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U.S. DEPARTMENT OF COMMERCE / National Bureau of Standards

Data Index
for Energy Transfer Collisions
of Atoms and Molecules
1970-1979

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Data Index for Energy Transfer Collisions of Atoms and Molecules—1970-1979

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Foreword

The National Standard Reference Data System was established in 1963 for the purpose of promoting the critical evaluation and dissemination of numerical data of the physical sciences. The program is coordinated by the Office of Standard Reference Data of the National Bureau of Standards but involves the efforts of many groups in universities, government laboratories, and private industry. The primary aim of the program is to provide compilations of critically evaluated physical and chemical property data. These tables are published in the *Journal of Physical and Chemical Reference Data*, in the NSRDS-NBS series of the National Bureau of Standards, and through other appropriate channels.

The task of critical evaluation is carried out in various data centers, each with a well-defined technical scope. A necessary preliminary step to the critical evaluation process is the retrieval from the world scientific literature of all papers falling within the scope of the center. Each center, therefore, builds up a comprehensive well-indexed bibliographical file which forms the base for the evaluation task. Bibliographies derived from these files are published when they appear to be of value to research workers and others interested in the particular technical area.

Further information on NSRDS and the publications which form the primary output of the program may be obtained by writing to the Office of Standard Reference Data, National Bureau of Standards, Washington, DC 20234.

David R. Lide, Jr., Chief
Office of Standard Reference Data

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Data Index for Energy Transfer Collisions of Atoms and Molecules—1970–1979

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An index to sources of data describing processes which occur when atoms, molecules or ions collide with each other at energies between 0 and 10 keV and gain or lose internal energy or change charge state is presented. The index facilitates retrieval of cross sections and reaction rate data for specific processes involving atomic or molecular species. It includes data published during the years 1970 through 1979. A comprehensive author list is included.

Key words: Atom; charge transfer; chemi-ionization; collisional ionization; cross section; detachment; energy transfer; excitation; ion; molecule; reaction rate; relaxation.

Introduction

Microscopic processes occurring in gas discharges, lasers, plasmas, atmospheric, and astrophysical systems include collisions of atoms, molecules, and ions with each other and with free electrons as well as the interaction of these particles with radiation fields. Reaction rates and cross sections for these processes are required to formulate realistic descriptions or models of such systems from which their physical properties can be predicted. These data, if they exist, are reported in a large number of journals published throughout the world. The systems modeler and research scientist are faced with an immense task in maintaining awareness of existing data and commentary and in locating the data they need. This publication is one of a series produced by the JILA Information Center for the purpose of simplifying that task by providing an organized listing of data sources on specific processes [1-7]¹.

Background

This index results from a program which started nearly twenty years ago to collect and evaluate data on collisions of electrons and photons with atoms, simple molecules and their ions. In 1976, the program was expanded to identify data describing energy transfer collisions between atoms, molecules, and ions. A quarterly newsletter providing an index to currently published data on energy transfer collisions was initiated in April

1977 [4]. A retrospective search to identify data published in 1970 through 1975 was begun in the summer of 1978. A manual search was made of the journals in which most of the data appears. To cover the remaining journals, Physics Abstracts and Chemical Abstracts were searched by computer for articles bearing descriptors appropriate to the subject of energy transfer. The articles so identified were then reviewed to determine whether they contained data. This report combines the results of these efforts and gives a comprehensive listing of data on energy transfer collisions published in the decade beginning in 1970 and ending in 1979. Some data sources may not have been identified, particularly those published in the latter half of 1979, as these might not have been available at the time this report went to press. Data found in informal publications such as technical reports with limited circulation or private communications are excluded, but those reported in abstracts which contain numerical data with some description of technique are included.

Scope

This report provides an index to sources of numerical data describing processes which occur when atoms, molecules, or ions collide at energies between 0 and 10 keV. Prior to the collision, the energy of the system is distributed among the kinetic and potential energies of the two

¹ Figures in brackets indicate literature references.

colliding particles; after the collision, the energy may have been redistributed by one or more of several modes. The scope of this report includes numerical data relating to any of these modes of redistribution in which colliding particles gain or lose internal energy or change charge state. Although a rearrangement of chemical bonds implies a change in internal energy, this mode is excluded because the volume of data that has been reported is preponderant. (The exception to this rule is the inclusion of associative ionization in the chemi-ionization category; although associative ionization involves a rearrangement of chemical bonds, it frequently occurs in the same systems as Penning ionization.)

The energy transfer data typically gives a partial picture of the collision in that often the change of state of one, but not both, of the collision partners is observed, so the complimentary source or deposition of energy is not known. This report includes, and attempts to organize, these fragments of data in a constructive manner. Details of the organization are given below. The data are in the form of cross sections, reaction rates, transition probabilities or relaxation times. Sources which discuss these processes but do not include numerical data are included, but listed separately.

Papers dealing with elastic scattering, potential surfaces, dissociation, and dissociative charge transfer are excluded.

Organization

This report is divided into three major parts: a Data Index, a Bibliography, and an Author Index.

The Data Index lists sets of data characteristics followed by sources of data having those characteristics. Each data source is specified by the citation number, first author's name, and year of publication, and is assigned to one or more of these sets of data characteristics. By understanding the organization of the sets, the user should be able to easily locate entries containing data of interest to him.

The Bibliography gives complete references with an identifying citation number. The citation number is also used in the data and author indices as a shorthand identification of the reference.

In the Author Index, all authors are listed alphabetically by surname. After each author's name is a list of citation numbers indicating the references authored or co-authored.

Each set of data characteristics specifies the following three items which are further discussed below: Process, Method and Species.

Process

The specific processes fall primarily into broad categories of energy-loss, energy-gain, and change of

charge state. The energy-loss category includes Electronic, Vibrational, and Rotational Relaxation. In these processes a decrease in the internal energy of one of the collision partners is observed or calculated but the deposition of that energy is not necessarily specified. It is assumed to contribute to the internal or translational energy of the second particle. The energy-gain category includes Electronic, Vibrational, and Rotational Excitation; here an increase in the internal energy of one of the collision partners is observed or calculated. Its source is not always specified, but it is assumed to come from the internal or translational energy of the collision partner.

The change of charge state classification includes Collisional Ionization, Detachment, Chemi-ionization, and Charge Transfer. In Collisional Ionization and Detachment, the source of energy is assumed to be the relative translational energy of the colliding particles. In Chemi-ionization the source of energy is, instead, the internal energy of one of the colliding particles. In Charge Transfer, an electron is transferred from one to the other of the colliding particles which may be neutrals or positive or negative ions.

Two processes are exceptions to these broad categories: Miscellaneous Energy Transfer and Inelastic Collisions in a Radiation Field. Some very general discussions of two-particle energy transfer collisions do not clearly fit the energy-loss, energy-gain, or charge transfer categories. These are usually theoretical and are entered under the Miscellaneous Energy Transfer process.

The presence of a radiation field may significantly affect the transfer of energy (or charge) in a two-particle collision. Data and discussions of this effect are listed under the process Collisions in a Radiation Field.

Method

The method of obtaining the data is defined as Experimental if it results from observation and Theoretical if it results from calculations.

Species

The colliding atomic or molecular species (including degree of ionization) are listed in the form A+B. The indexing convention is that the particle which loses energy, A, is listed first; the particle which gains energy, B, is listed second. The one exception to this convention is detachment, where the negative ion, the species of primary interest, is listed first. The list of reactants is ordered by number of nuclei in reactant A and alphabetically for each number of nuclei. Electronically excited species are indicated by an asterisk.

Other References

Sources of original numerical data in the form of cross sections, reaction rates, transition probabilities or relaxation times are listed under the subheading of *Original Data*. Sources giving bounds on these quantities are also listed under this heading.

Although this report is primarily intended as a list of these sources of original data, two types of papers which do not satisfy the criteria for the Original Data category but which may be helpful to the user are also included. The same indexing system has been used as for Original Data. Entries under the subheading of *Reviews* refer to papers giving critical discussions of data or surveys of progress in relevant fields. Reviews often include data which have been previously published elsewhere, and are valuable as sources of data and evaluation of their reliability. Entries under the subheading *Miscellaneous Reference* refer to papers which contain either general theory, commentary on, or interpretation of processes occurring in an energy transfer system.

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I. Data Index

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			8887	Borkenhagen, 76
			14516	Borkenhagen, 79
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			11148	Loesch, 72
Ar	+	HCl	8011	Ding, 75
			11351	Van Kreveld, 71
			14759	Esche, 79
Ar	+	HF	8011	Ding, 75
			14759	Esche, 79
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			13921	Jeyes, 78
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			13582	Bergmann, 72
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			9225	Loesch, 76
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			11104	Hermann, 78
			12262	Schmidt, 78
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He	+	HCl	8011	Ding, 75
			11351	Van Kreveld, 71
He	+	HD	10199	Gentry, 77
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He	+	Li_2	12469	Ottinger, 71
			13921	Jeyes, 78
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ROTATIONAL EXCITATION EXPERIMENTAL

ORIGINAL DATA

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			13582	Bergmann, 72
			14786	Bergmann, 79
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He	+	S_2	14525	Caughey, 79
He	+	CO_2	13176	Meyer, 74
He	+	H_2CO	12608	Foreman, 74
K	+	CO	14527	Schepper, 79
K	+	N_2	14527	Schepper, 79
K	+	CO_2	15221	Beck, 70
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Kr	+	CsF	14516	Borkenhagen, 79
Kr	+	HCl	8011	Ding, 75
Kr	+	HF	14759	Esche, 79
Kr	+	LiF	9897	Reed, 77
Kr	+	Li_2	12469	Ottinger, 71
Kr	+	Na_2	13573	Bergmann, 72
Kr	+	CO_2	13176	Meyer, 74
Kr	+	CS_2	9228	Blais, 77
Li	+	Li_2	13055	Vidal, 78
Li ⁺¹	+	CO	8262	Bottner, 76
Li ⁺¹	+	H_2	14509	Eastes, 79
Li ⁺¹	+	N_2	7795	Faubel, 75
			10405	Lester Jr., 74
			14703	Itoh, 79
			15314	Van Den Bergh, 73
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			14844	Lowe, 71
Ne	+	CsF	7794	Borkenhagen, 75
			8887	Borkenhagen, 76
			14516	Borkenhagen, 79
Ne	+	HD	9205	Buck, 77
Ne	+	N_2^{+1}	13408	Bregman-Reisler, 74
Ne	+	Na_2	13573	Bergmann, 72
			13582	Bergmann, 72
Ne	+	CS_2	9228	Blais, 77
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Xe	+	CsI	7195	Armstrong, 75
Xe	+	HCl	14759	Esche, 79
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			13582	Bergmann, 72
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ORIGINAL DATA

ORIGINAL DATA

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Xe	+	S ₂	14525	Caughey,	79	NO	+	NO	12141	Poland,	71
Xe	+	CS ₂	9228	Blais,	77	Na ₂	+	Na ₂	10910	Sinha,	73
Zn*	+	NO	14277	Breckenridge,	79	O ₂	+	NH ₃	11979	Daly,	70
CN	+	Ar	11051	Duewer,	72	CO ₂	+	CsF	7794	Borkenhagen,	75
CO	+	CsF	7794	Borkenhagen,	75				8887	Borkenhagen,	76
			8887	Borkenhagen,	76				14516	Borkenhagen,	79
			14516	Borkenhagen,	79	CO ₂	+	H ₂	9097	Tsuchiya,	76
CO	+	D ₂	8484	Simpson,	76				12464	Behnen,	71
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HD	+	NH ₃	11979	Daly,	70	OCS	+	CH ₃ F	13976	Williams,	79
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H ₂	+	Na ₂	13573	Bergmann,	72	CHF ₃	+	CsF	7794	Borkenhagen,	75
			13582	Bergmann,	72				8887	Borkenhagen,	76
H ₂	+	Na ₂ *	14773	Wainger,	79				14516	Borkenhagen,	79
H ₂	+	OH	6638	German,	75	CHF ₃	+	H ₂ CO	12608	Foreman,	74
H ₂	+	CO ₂	13176	Meyer,	74	CH ₃ Br	+	CsF	14516	Borkenhagen,	79
			13428	Meyer,	74	CH ₃ Cl	+	CsF	14516	Borkenhagen,	79
H ₂	+	H ₂ CO	12608	Foreman,	74	CH ₄	+	CsF	14516	Borkenhagen,	79
H ₂	+	NH ₃	11979	Daly,	70	CH ₄	+	Na ₂	13573	Bergmann,	72
HI	+	HCl	8011	Ding,	75				13582	Bergmann,	72
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- -	9189	Toennies, 76
	14293	Dickinson, 79
	14879	Nikitin, 70
	15164	Amme, 75

ORIGINAL DATA

Ar	+	CO	13631	Saha, 74
Ar	+	CsF	10215	Fitz, 77
			11506	Dickinson, 78
Ar	+	F ₂	10878	Tsien, 73
Ar	+	HCl	8386	Buck, 76
			9175	Tarr, 77
			9750	Chapman, 77
			9862	Polanyi, 77
			10299	Verter, 74
			10571	Tait, 73
			11319	Pattengill, 78
			11425	Polanyi, 78
			12190	Green, 78
			13986	Band, 79
			14772	Green, 79
Ar	+	HF	10571	Tait, 73
Ar	+	H ₂	9233	Blais, 76
			12556	Young, 73
Ar	+	LiF	14292	Davies, 79
			14502	Tsou, 79
Ar	+	LiH	13961	Bhattacharyya, 79
Ar	+	Li ₂ *	10168	Poppe, 77
Ar	+	N ₂	7173	De Pristo, 75
			7287	Mehrotra, 75
			7288	Pattengill, 75

ORIGINAL DATA

F*	+	H ₂	9776	Rebentrost, 77	H ⁺¹	+	H ₂	13983	McCann, 79
			13969	Wyatt, 79	He	+	CO	7744	Green, 76
			14286	De Vries, 79				8210	Green, 76
			14501	Wyatt, 79				8816	Launay, 76
H	+	CO	8161	Procaccia, 76				9224	McKenzie, 77
			8210	Green, 76				9750	Chapman, 77
			10459	Goldflam, 77				9872	De Pristo, 77
			12602	Brumer, 74				10459	Goldflam, 77
			15015	Hoffman, 79				11887	Goldflam, 78
			15262	Chu, 75				12190	Green, 78
H	+	D ₂	7644	McGuire, 75				12598	Augustin, 74
			8817	Roberts, 76				12764	Green, 78
H	+	H ₂	7089	Choi, 75	He	+	DCl	8835	Collins, 76
			7236	McCann, 75	He	+	D ₂	8211	Alexander, 76
			7280	McCann, 75				10424	Heukels, 74
			7323	Choi, 74				11141	Heukels, 72
			7644	McGuire, 75	He	+	D ₂ ⁺¹	13054	Poppe, 78
			7767	Flannery, 75	He	+	DF	8835	Collins, 76
			7798	McCann, 75				14521	Top, 79
			7831	Kuppermann, 75	He	+	HCl	7609	Green, 75
			7834	Schatz, 75				8423	Vargin, 75
			7837	Choi, 75				8825	Procaccia, 76
			7993	Choi, 76				8835	Collins, 76
			8161	Procaccia, 76				9149	Monchick, 77
			8817	Roberts, 76	He	+	DF	9750	Chapman, 77
			9573	Pollak, 77				9872	De Pristo, 77
			9891	Pfeffer, 77	He	+	HCl	10186	Monchick, 77
			11057	Wolken Jr., 72				10459	Goldflam, 77
			11888	Choi, 78				10571	Tait, 73
			13396	Ioup, 73				11425	Polanyi, 78
			13722	Hayes, 71				11887	Goldflam, 78
			14085	Schatz, 79				12190	Green, 78
			14518	Green, 79	He	+	HD	12947	Monchick, 78
			14521	Top, 79				14521	Top, 79
			14702	Choi, 79				14772	Green, 79
			14772	Green, 79				15015	Hoffman, 79
			14836	Chu, 75					
			15235	Flannery, 73					
H	+	OH	9617	Kosloff, 77					
			14789	Shapiro, 79					
H	+	NH ₂	14776	Dixon, 79					
H ⁺¹	+	CN	7978	Jamieson, 76	He	+	HD	8369	Procaccia, 76
			8865	De Pristo, 76				8820	Procaccia, 76
			13650	Takayanagi, 78				10135	Varshalovich, 77
			13664	Jamieson, 75				11094	Gelb, 78
			14528	De Pristo, 79				12010	Sharma, 78
H ⁺¹	+	H ₂	8991	Choi, 76				12027	Miles, 70
			8992	McGuire, 76				14056	Liu, 79
			9179	McGuire, 77				14945	Itikawa, 72
			9199	Gianturco, 77				14950	Itikawa, 74
			9583	McGuire, 76				15002	Green, 74
			9775	Gianturco, 77	He	+	HD ⁺¹	12758	Ray, 78
			11509	Schinke, 78	He	+	HF	7224	Collins, 75
			12189	Schinke, 78				8825	Procaccia, 76
			13338	McCann, 78				8835	Collins, 76
			13621	Eckelt, 74					

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He	+	HF	9872	De Pristo, 77
			10571	Tait, 73
			14299	Mullaney, 79
			14521	Top, 79
He	+	H ₂	5617	Zarur, 73
			6713	McGuire, 75
			6718	Alexander, 75
			6933	Billing, 75
			7280	McCann, 75
			7347	Fisanick-Englot, 75
			7871	Alexander, 76
			7985	Alexander, 76
			8817	Roberts, 76
			8912	Shimoni, 76
			8989	Pattengill, 76
			9109	Shimoni, 77
			9116	Pattengill, 77
			9209	Bowman, 77
			9271	Alexander, 77
			9276	Schatz, 77
			9385	Leasure, 77
			9588	Shimoni, 76
			9589	Augustin, 77
			9628	Lin, 77
			9637	Clark, 77
			9864	Billing, 77
			9871	Eno, 77
			9891	Pfeffer, 77
			10226	Tarr, 78
			10269	McGuire, 75
			10309	Rabitz, 74
			10413	McGuire, 74
			10429	Nanbu, 74
			10652	Shimoni, 77
			11014	Eastes, 72
			11475	Schatz, 78
			11755	Eno, 78
			12240	Billing, 78
			12440	Tsien, 70
			12598	Augustin, 74
			12605	McGuire, 73
			13474	Gerber, 78
			13803	Cross Jr., 78
			13988	Lin, 79
			14242	Secrest, 79
			14292	Davies, 79
			14492	Eno, 79
			14772	Green, 79
			14779	Dove, 79
			14870	McGuire, 74
			15125	Augustin, 79
			15312	Miller, 73
He	+	H ₂ ⁺¹	10245	Sathyamurthy, 75
			13054	Poppe, 78
He	+	HT	10424	Heukels, 74
			11135	Van Montfort, 72
			11141	Heukels, 72

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He	+	HT	12027	Miles, 70
He	+	I ₂	9196	Bowman, 77
			10418	Rubinson, 74
He	+	I ₂ *	8840	Bowman, 76
			9209	Bowman, 77
He	+	Li ₂	12543	Poppe, 73
He	+	Li ₂ *	10168	Poppe, 77
He	+	N ₂	7088	Chu, 75
			7765	Dickinson, 76
			12432	Von Seggern, 70
			12440	Tsien, 70
He	+	N ₂ ⁺¹	14549	Kelley, 79
He	+	Na ₂	9115	Berbenni, 77
			12504	Bergmann, 72
			13634	Klar, 75
He	+	OH	10571	Tait, 73
He	+	TlF	6980	Saha, 75
He	+	CO ₂	8912	Shimoni, 76
			9125	Goldflam, 77
			9200	Pack, 77
			11095	Parker, 78
			11475	Schatz, 78
He	+	HCN	6258	Green, 74
			7777	McGuire, 76
			10135	Varshalovich, 77
			10459	Goldflam, 77
			12190	Green, 78
He	+	H ₂ O	14772	Green, 79
He	+	NCN	12602	Brumer, 74
He	+	N ₂ H ⁺¹	7666	Green, 75
			14528	De Prito, 79
			14772	Green, 79
He	+	H ₂ CO	8422	Garrison, 76
			9124	Garrison, 77
			12008	Green, 78
			14535	Green, 79
			14772	Green, 79
He	+	NH ₃	8142	Green, 76
			12246	Davis, 78
			14535	Green, 79
He	+	C ₂ HCN	12764	Green, 78
He*	+	H ₂	9234	Hickman, 77
K	+	HCl	12116	Truhlar, 71
K	+	N ₂	14704	Beck, 79
Kr	+	CsF	11506	Dickinson, 78
Kr	+	I ₂	10418	Rubinson, 74
			12049	Cohen, 70
Kr	+	Li ₂ *	10168	Poppe, 77
Kr	+	Na ₂	12504	Bergmann, 72
Kr	+	CO ₂	10224	Suzukawa Jr., 78

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ORIGINAL DATA

Li	+	CO	7765	Dickinson, 76	Ne	+	I ₂	10418	Rubinson, 74
			15367	Guerin, 74	Ne	+	Li ₂ *	10168	Poppe, 77
Li	+	H ₂	9570	Choi, 77	Ne	+	N ₂	7678	Bosanac, 75
			12949	Wagner, 78				7765	Dickinson, 76
Li	+	N ₂	7765	Dickinson, 76				9229	Dickinson, 77
			13514	Zaritsky, 78				12049	Cohen, 70
			15367	Guerin, 74				13628	Dickinson, 74
Li ⁺	+	CO	10137	Thomas, 77	Ne	+	Na ₂	12504	Bergmann, 72
			10786	Thomas, 77	Ne	+	CO ₂	10224	Suzukawa Jr., 78
			11091	Thomas, 78	Ne	+	HCN	10135	Varshalovich, 77
			11810	Thomas, 78	O	+	HCl	10571	Tait, 73
			14234	Micha, 79	O	+	HF	10571	Tait, 73
Li ⁺	+	D ₂	8902	Barg, 76	O	+	OH	10571	Tait, 73
			11370	La Budde, 71	O	+	H ₂ O	9197	Kolb, 77
Li ⁺	+	H ₂	6969	Schaefer, 75	O	+	NH ₃	9197	Kolb, 77
			7369	De Pristo, 75	Rb* +	CD ₄	12237	Lawley, 78	
			8114	Billing, 76	Rb* +	CH ₄	12237	Lawley, 78	
			8139	De Pristo, 76	Xe	+	CsF	11506	Dickinson, 78
			8161	Procaccia, 76	Xe	+	HCl	10299	Verter, 74
			8290	Dickinson, 76	Xe	+	HI	12049	Cohen, 70
			8902	Barg, 76	Xe	+	Li ₂ *	10168	Poppe, 77
			9872	De Pristo, 77	Xe	+	Na ₂	12504	Bergmann, 72
			9888	Barg, 77	Xe	+	HCN	10299	Verter, 74
			10411	Kouri, 74	Xe	+	OCS	10299	Verter, 74
			10439	Brown, 74	Zn* +	NO	14277	Breckenridge, 79	
			10577	Lester Jr., 73	CO	+	CO	8423	Vargin, 75
			10578	La Budde, 73	CO	+	H ₂	6217	Nelson, 73
			11370	La Budde, 71	CsCl	+	NO	11329	Sharma, 71
			12553	Schaefer, 73	DCI	+	DCI	13227	Rogovin, 74
			12575	Schaefer, 74	DCI	+	LiH	12448	Shin, 70
			12609	Kouri, 74				14519	Dagdilian, 79
			12669	Dubrovskii, 77				14609	Alexander, 79
			13056	Schinke, 78	D ₂	+	HD	11130	Van De Ree, 72
			13338	McCann, 78	D ₂	+	H ₂	11406	Brown, 78
			13983	McCann, 79	D ₂	+	HT	11130	Van De Ree, 72
			14868	McGuire, 74	D ₂	+	Na ₂	12504	Bergmann, 72
			14870	McGuire, 74	D ₂	+	NH ₃	10409	Prakash, 74
			15218	Kinnersly, 79	DF	+	CO ₂	5396	Dillon, 73
Li ⁺	+	N ₂	9119	Philipp, 77	HBr	+	HCl	14073	Turfa, 79
			9181	Eckelt, 77	HCl	+	HCl	8423	Vargin, 75
			10137	Thomas, 77				9576	Bhattacharyya, 77
			10786	Thomas, 77				10299	Verter, 74
			12241	Poppe, 78				11600	Bhattacharyya, 78
			13621	Eckelt, 74				12448	Shin, 70
			13977	Billing, 79				14073	Turfa, 79
								14544	Polanyi, 79
Na	+	N ₂	7200	Bottcher, 75	HCl	+	LiH	14519	Dagdilian, 79
			11472	Amaee, 78					
Na	+	Na ₂	9108	Gelb, 77					
Na*	+	N ₂	11472	Amaee, 78					
Ne	+	CO	13599	Saha, 73					
Ne	+	CsF	11506	Dickinson, 78					
Ne	+	HCl	13599	Saha, 73					
Ne	+	HD	9205	Buck, 77					

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HCl	+	LiH	14609	Alexander, 79
HCl	+	CO ₂	5396	Dillon, 73
HCl	+	OCS	10299	Verter, 74
HD	+	HD	14513	Gelb, 79
HD	+	H ₂	14513	Gelb, 79
HD	+	NH ₃	10409	Prakash, 74
HD ⁺¹	+	HD ⁺¹	9640	Bhattacharyya, 77
HF	+	HCl	14073	Turfa, 79
HF	+	HF	9107	De Pristo, 77
			10136	Wilkins, 77
			12971	Alper, 78
			14523	Alexander, 79
HF	+	CO ₂	5396	Dillon, 73
H ₂	+	F	9776	Rebentrost, 77
H ₂	+	He	7324	Alexander, 74
H ₂	+	CO	8210	Green, 76
			10459	Goldflam, 77
H ₂	+	CS	9750	Chapman, 77
			9872	De Pristo, 77
			10459	Goldflam, 77
			12190	Green, 78
			12764	Green, 78
			14772	Green, 79
H ₂	+	D ₂	11406	Brown, 78
H ₂	+	HCl	9177	Green, 77
			11592	Heil, 78
H ₂	+	HD	8820	Procaccia, 76
			10278	Chu, 75
			14513	Gelb, 79
H ₂	+	H ₂	6968	Green, 75
			8817	Roberts, 76
			8828	Heil, 76
			9210	Ramaswamy, 77
			10407	Zarur, 74
			11421	Ramaswamy, 78
			11592	Heil, 78
			11658	Green, 78
			12441	Crawford, 70
			14077	Gelb, 79
H ₂	+	N ₂	12981	Bergeron, 78
H ₂	+	Na ₂	12504	Bergmann, 72
H ₂	+	CO ₂	9212	Guha, 77
H ₂	+	HCN	8901	Ray, 76
H ₂	+	OCS	9750	Chapman, 77
			10459	Goldflam, 77
			12190	Green, 78
			12764	Green, 78
			14772	Green, 79
H ₂	+	H ₂ CO	10297	Augustin, 74
H ₂	+	NH ₃	10409	Prakash, 74

ORIGINAL DATA

HI	+	HCl	14073	Turfa, 79
I ₂	+	I ₂	12765	Jeyes, 78
I ₂ *	+	I ₂	11290	Kato, 78
LiH	+	HCl	14609	Alexander, 79
N ₂	+	N ₂	7629	Itikawa, 75
N ₂	+	Na ₂	12504	Bergmann, 72
N ₂	+	NH ₃	10409	Prakash, 74
O ₂	+	NH ₃	10409	Prakash, 74
CO ₂	+	H ₂	9097	Tsuchiya, 76
CO ₂	+	CH ₄	12237	Lawley, 78
DCN	+	DCN	11152	Prakash, 72
HCN	+	HCN	10299	Verter, 74
			11152	Prakash, 72
			11947	Rabitz, 70
ICN	+	ICN	11947	Rabitz, 70
OCS	+	Ar	10243	Liu, 75
OCS	+	He	10243	Liu, 75
OCS	+	H ₂	10243	Liu, 75
OCS	+	N ₂	10243	Liu, 75
OCS	+	CO ₂	10243	Liu, 75
OCS	+	OCS	10265	Mehrotra, 75
			10299	Verter, 74
			13654	Johri, 79
BCl ₃	+	DCl	10967	Poulsen, 73
BCl ₃	+	D ₂	10967	Poulsen, 73
BCl ₃	+	HCl	10967	Poulsen, 73
BCl ₃	+	HD	10967	Poulsen, 73
BCl ₃	+	H ₂	10967	Poulsen, 73
C ₂ D ₂	+	C ₂ D ₂	11186	Hung, 72
C ₂ H ₂	+	C ₂ H ₂	11186	Hung, 72
C ₂ N ₂	+	C ₂ N ₂	11186	Hung, 72
HDCO	+	HDCO	11152	Prakash, 72
H ₂ CO	+	H ₂ CO	11152	Prakash, 72
NH ₃	+	NH ₃	10299	Verter, 74
			10409	Prakash, 74
C ₂ H ₂ O	+	C ₂ H ₂ O	11152	Prakash, 72
CH ₄	+	Na ₂	12504	Bergmann, 72
Ar	+	CO ₂	14782	Rotzoll, 79
Ar*	+	D ₂	9227	Huo, 77
Ar*	+	HD	9227	Huo, 77
Ar*	+	H ₂	9227	Huo, 77
H	+	CH	15041	Dixon, 79
H	+	H ₂	14086	Choi, 79
H	+	OD	15041	Dixon, 79

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H + OH	15041	Dixon, 79
H ⁺¹ + CH	15041	Dixon, 79
H ⁺¹ + H ₂	13800	Dickinson, 78
H ⁺¹ + OD	15041	Dixon, 79
H ⁺¹ + OH	15041	Dixon, 79
He + CH	15041	Dixon, 79
He + H ₂	11522	Eno, 78
	12476	Eastes, 71
	14528	De Pristo, 79
	14862	Larson, 74
He + OD	15041	Dixon, 79
He + OH	15041	Dixon, 79
Li ⁺¹ + CO	7723	Philipp, 76
Li ⁺¹ + N ₂	14234	Micha, 79
H ₂ + CH	15041	Dixon, 79
H ₂ + OD	15041	Dixon, 79
H ₂ + OH	15041	Dixon, 79
H ₃ ⁺¹ + CH	15041	Dixon, 79
H ₃ ⁺¹ + OD	15041	Dixon, 79
H ₃ ⁺¹ + OH	15041	Dixon, 79
- -	6963	Curtiss, 75
	7044	Smith, 75
	7060	Choi, 75
	7362	Hunter, 75
	7757	Ficocelli Varracc, 75
	8311	Vitlina, 74
	9087	Bernstein, 76
	9218	Alexander, 77
	9236	Alexander, 77
	9277	Pack, 77
	9562	Kouri, 77
	9600	McCurdy, 77
	9761	De Vries, 77
	9915	Schrepp, 77
	9916	Chang, 77
	9990	Brandt, 73
	10082	Launay, 77
	10153	Curtiss, 77
	10241	Olmsted, 77
	10329	Stallcop, 75
	10330	Secrest, 75
	10331	Green, 75
	10335	Biolsi, 74
	10435	Pack, 74
	10436	Russell, 74
	10581	Russell, 73
	10588	Eastes, 73
	10903	St. Pierre, 73
	10975	Hunter, 73
	10976	Hunter, 73
	10997	Neilson, 73
	10999	O'Brien, 73
	11004	Dugan Jr., 73

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- -	11080	Curtiss, 72
	11120	Curtiss, 77
	11198	La Budde, 72
	11201	Rabitz, 72
	11380	Cross Jr., 71
	11393	Pattengill, 71
	11408	Sigmund, 78
	11917	Lin, 78
	11932	Levine, 70
	11946	Rabitz, 70
	11959	Kelley, 70
	12026	Curtiss, 70
	12037	Levine, 70
	12063	Curtiss, 70
	12065	Roberts, 70
	12078	Roberts, 70
	12088	Curtiss, 71
	12089	Hayes, 71
	12090	Levine, 71
	12110	Pattengill, 71
	12150	Miller, 71
	12433	Tsien, 70
	12449	Balint-Kurti, 70
	12470	Tsien, 71
	12511	Pack, 72
	12569	Pattengill, 73
	12852	Lebed, 77
	13060	Stechel, 78
	13418	Pollak, 74
	13435	Englot, 754
	13604	Klar, 73
	13715	Rotenberg, 71
	13727	Russek, 71
	14065	Pritchard, 79
	14235	Itikawa, 78
	14256	Bowman, 79
	14300	Tarr, 78
	14505	Shalom, 79
	14507	Wood, 79
	14705	Shimamura, 79
	14775	Dixon, 79
	14873	Stallcop, 74
	14874	Green, 75
	14875	Walker, 75
	14882	Takayanagi, 73
	15049	Goldflam, 79
	15073	Bhattacharyya, 79
	15083	Lester Jr., 75
	15112	Augustin, 78
	15213	Alexander, 79
	15355	Borman, 75

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H ⁺¹ + H ₂	14332	Teloy, 77
- -	10553	Lemont, 77

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			10950	Gait, 76	H^{+1}	+	H_2	9625	Schinke, 77
			15010	Bailey, 78				10792	Hermann, 77
			15156	Doering, 73				11104	Hermann, 78
			15164	Amme, 75				12123	Udseth, 71
			15450	Moore, 73				12262	Schmidt, 78
								13394	Udseth, 73
								13440	Gentry, 75
								13736	Herrero, 72
								14504	Krustein, 79
Ar	+	BaCl	9899	Edelstein, 77					
Ar	+	CO^{+1}	13734	Petty, 72	H^{+1}	+	N_2	13415	Moore Jr., 74
Ar	+	CsCl	7195	Armstrong, 75				14797	Krustein, 79
Ar	+	CsI	7195	Armstrong, 75	H^{+1}	+	NO	14797	Krustein, 79
			11148	Loesch, 72	H^{+1}	+	CO_2	9382	Krustein, 77
Ar	+	Li_2^*	6150	Ennen, 74	H^{+1}	+	CH_4	10790	Krustein, 77
Ar	+	N_2	6339	Bochkova, 74				7799	Udseth, 75
			9812	Krenos, 77				10790	Krustein, 77
			13263	Bochkova, 71					
Ar	+	N_2^{+1}	10822	Bearman, 77	He	+	HD	10984	Wartell, 73
			14957	Fayeton, 71	He	+	H_2	12079	Cosby, 70
Ar	+	NO	9616	Glanzer, 77	He	+	Li_2^*	6150	Ennen, 74
Ar	+	O_2^{+1}	12079	Cosby, 70	He	+	N_2^{+1}	13408	Bregman-Reisler, 74
Ar	+	H_2O	7908	Dunn, 75	He	+	NO^{+1}	14957	Fayeton, 71
Ar	+	SO_2	6927	Earl, 75	He	+	O_2^{+1}	12077	Cheng, 70
Ar*	+	N_2	10217	Sadeghi, 77	He	+	SO_2	6927	Earl, 75
			10661	Krenos, 77	He	+	N_2	6930	Govers, 75
			11580	Touzeau, 78	He^{+1}	+	CO_2	9384	Sim, 76
Ar ⁺¹	+	CO_2	9384	Sim, 76	He^{+1}	+	N_2	11586	Degani, 78
Br*	+	D_2	14508	Grimley, 79	Hg	+	HF	5791	Fushiki, 73
Br*	+	HBr	5969	Leone, 74	Hg*	+	CO	14498	Horiguchi, 79
Br*	+	HCl	5969	Leone, 74				15297	Callear, 71
			11312	Reisler, 78					
Br*	+	HD	14508	Grimley, 79	Hg*	+	NO	14817	Heydtmann, 71
Br*	+	HF	7870	Wodarczyk, 76	Hg*	+	N_2	8308	Horiguchi, 75
Br*	+	H_2	14508	Grimley, 79	Hg*	+	Cl	14498	Horiguchi, 79
Br*	+	HI	7337	Bergmann, 75	I*	+	CO	11320	Grimley, 78
Br*	+	CO_2	7697	Petersen, 75	I*	+	HBr	7156	Lin, 75
			11312	Reisler, 78	I*	+	HF	11320	Grimley, 78
			12950	Reisler, 78	I*	+	Cl	12931	Houston, 77
Br*	+	HCN	8418	Hariri, 76	I*	+	CO	12931	Houston, 77
Br*	+	H_2O	11292	Hariri, 78	I*	+	H_2	9275	Coombe, 77
Br*	+	N_2O	7697	Petersen, 75	I*	+	NO	11320	Grimley, 78
D ⁺¹	+	H_2	13440	Gentry, 75	K	+	CO	10787	Puhl, 77
			13736	Herrero, 72	K	+	D_2	12136	Dittner, 71
H ⁺¹	+	CO	9867	Krustein, 77	K	+	H_2	12136	Dittner, 71
			10790	Krustein, 77	K	+	N_2	10787	Puhl, 77
			13415	Moore Jr., 74	K ⁺¹	+	D_2	12136	Dittner, 71
H ⁺¹	+	D_2	13394	Udseth, 73	K ⁺¹	+	H_2	12136	Dittner, 71
H ⁺¹	+	HD	13394	Udseth, 73	Kr	+	Li_2^*	6150	Ennen, 74
H ⁺¹	+	H_2	8885	Schmidt, 76	Kr	+	SO_2	6927	Earl, 75

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Kr ⁺¹	+	CO ₂	9384	Sim,	76
Li ⁺¹	+	CO	10789	Kobayashi,	77
			14069	Kobayashi,	78
Li ⁺¹	+	D ₂	10789	Kobayashi,	77
			13999	Kobayashi,	79
Li ⁺¹	+	H ₂	10789	Kobayashi,	77
			12438	Held,	70
			12539	David,	73
			13999	Kobayashi,	79
Li ⁺¹	+	N ₂	10789	Kobayashi,	77
			13999	Kobayashi,	79
Li ⁺¹	+	O ₂	10789	Kobayashi,	77
			13999	Kobayashi,	79
Li ⁺¹	+	CO ₂	9075	Eastes,	77
			10789	Kobayashi,	77
			14069	Kobayashi,	78
Li ⁺¹	+	N ₂ O	9075	Eastes,	77
			14069	Kobayashi,	78
Li ⁺¹	+	CH ₄	13970	Eastes,	79
N ⁺¹	+	CO	13415	Moore Jr.,	74
Na	+	D ₂	12136	Dittner,	71
Na	+	H ₂	12136	Dittner,	71
Na*	+	CO	8438	Hsu,	76
			9176	Hertel,	77
Na*	+	D ₂	9176	Hertel,	77
Na*	+	H ₂	9176	Hertel,	77
Na*	+	N ₂	8160	Hertel,	76
			9112	Hertel,	77
			9176	Hertel,	77
Na*	+	NO	9586	Silver,	77
Na*	+	O ₂	9176	Hertel,	77
Na*	+	CO ₂	9176	Hertel,	77
Na*	+	N ₂ O	9176	Hertel,	77
Na*	+	C ₂ H ₄	9176	Hertel,	77
Na ⁺¹	+	D ₂	10419	Dimpfl,	74
			12136	Dittner,	71
Na ⁺¹	+	H ₂	12136	Dittner,	71
Ne	+	Li ₂ *	6150	Ennen,	74
Ne	+	N ₂ ⁺¹	13408	Bregman-Reisler,	74
Ne	+	SO ₂	6927	Earl,	75
Ne ⁺¹	+	CO ₂	9384	Sim,	76
O	+	CO	5962	Slanger,	74
			6389	Lin,	74
O	+	N ₂	5962	Slanger,	74
O	+	H ₂ O	7908	Dunn,	75
O*	+	CO	7156	Lin,	75
			8122	Shortridge,	76
O ⁺¹	+	O ₂	12079	Cosby,	70

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Tl*	+	N ₂	14068	Wade,	78
Xe	+	Csl	7195	Armstrong,	75
Xe	+	Li ₂ *	6150	Ennen,	74
Xe	+	N ₂ ⁺¹	14957	Fayeton,	71
Xe	+	SO ₂	6927	Earl,	75
Xe	+	Cl ₄	9403	Dixon,	77
Xe*	+	N ₂	6398	Nguyen,	74
Zn	+	NO	8832	Breckenridge,	76
Zn*	+	NO	14277	Breckenridge,	79
Br ₂	+	Cl ₄	9403	Dixon,	77
CO	+	CO	5509	Stephenson,	73
			5536	Sackett,	73
			5800	Smith,	73
			5929	Powell,	73
			6124	Stephenson,	74
			6324	Fushiki,	74
			6756	Liu,	75
			6764	Hancock,	74
			6777	Nachshon,	75
			7336	Gower,	75
			7645	Brechignac,	75
			9816	Thomas,	77
			10362	Brechignac,	77
			10920	Young,	73
			11013	Seery,	72
			11372	Wittig,	71
			12057	Yardley,	70
			12524	Wittig,	72
			13149	Brechignac,	78
			15088	Hanson,	71
CO	+	D ₂	8484	Simpson,	76
CO	+	HCl	9764	Doyennette,	77
CO	+	N ₂	7194	Seery,	75
CO	+	NO	8093	Mastrocinque,	76
CO	+	O ₂	9593	Nasser,	77
CO	+	CO ₂	6335	Stephenson,	74
CO	+	CS ₂	6243	Miller,	74
CO	+	N ₂ O	6712	Miller,	74
CO	+	OCS	7279	Starr,	75
CO	+	O ₃	6764	Hancock,	74
CO	+	SO ₂	6765	Richman,	74
CO	+	C ₂ N ₂	6664	Starr,	75
CO	+	C ₆ H ₆	6764	Hancock,	74
DBr	+	DBr	14607	Atkinson,	79
DCl	+	DCl	13339	Horwitz,	78
			13339	Horwitz,	78

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D ₂	+	CO	7334	Matsui, 75
D ₂	+	D ₂	9764	Doyennette, 77
D ₂	+	DF	10395	Bott, 74
D ₂	+	HCl	12132	Chen, 71
DF	+	DF	5968	Ernst, 73
			10490	Bott, 73
			12571	Bott, 73
DF	+	HBr	10395	Bott, 74
DF	+	HCl	10395	Bott, 74
DF	+	HF	6286	Lucht, 74
DF	+	N ₂	10395	Bott, 74
DF	+	NO	10395	Bott, 74
DF	+	O ₂	10395	Bott, 74
DF	+	CO ₂	10490	Bott, 73
			15336	Vasilev, 72
DF	+	HCN	9232	McGarvey Jr., 77
DF*	+	CO ₂	14819	Basov, 71
HBr	+	CO	11375	Chen, 71
HBr	+	DBr	11041	Chen, 72
HBr	+	D ₂	11375	Chen, 71
HBr	+	HBr	5419	Burak, 72
			10560	Noter, 73
			12537	Hopkins, 72
			13339	Horwitz, 78
HBr	+	HCl	11374	Chen, 71
			11375	Chen, 71
HBr	+	HI	11374	Chen, 71
HBr	+	N ₂	11375	Chen, 71
HBr	+	O ₂	11375	Chen, 71
HCl	+	CO	7194	Seery, 75
			12132	Chen, 71
HCl	+	DCl	12132	Chen, 71
HCl	+	D ₂	5926	Hopkins, 73
HCl	+	HBr	12132	Chen, 71
HCl	+	HCl	5409	Burak, 72
			5539	Leone, 73
			10560	Noter, 73
			11170	Hopkins, 72
			13339	Horwitz, 78
			14499	Horwitz, 79
HCl	+	HD	11156	Hopkins, 72
HCl	+	HI	12132	Chen, 71
HCl	+	N ₂	12132	Chen, 71
HCl	+	O ₂	9816	Thomas, 77
HCl	+	CO ₂	8126	Slobodskaya, 75
			13336	Doyennette, 78
HCl	+	N ₂ O	13336	Doyennette, 78
HCl	+	CH ₄	12132	Chen, 71

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HF	+	CO	5564	Bott, 73
HF	+	D ₂	5564	Bott, 73
HF	+	DF	5564	Bott, 73
			5642	Ahl, 73
			6286	Lucht, 74
HF	+	HBr	5564	Bott, 73
			5642	Ahl, 73
HF	+	HCl	5564	Bott, 73
			5642	Ahl, 73
HF	+	HF	6017	Osgood Jr., 74
			9417	Schmailzl, 77
			10390	Chen, 74
			11129	Bott, 72
			15146	Solomon, 71
HF	+	H ₂	5564	Bott, 73
HF	+	HI	5642	Ahl, 73
HF	+	N ₂	5564	Bott, 73
			5674	Sentman, 73
HF	+	NO	5564	Bott, 73
HF	+	O ₂	5564	Bott, 73
HF	+	CO ₂	5564	Bott, 73
			8486	Nikitin, 76
			15336	Vasilev, 72
HF	+	HCN	9232	McGarvey Jr., 77
H ₂	+	CO	7334	Matsui, 75
			9274	Miller, 77
H ₂	+	DBr	9274	Miller, 77
H ₂	+	DCl	9274	Miller, 77
H ₂	+	D ₂	8439	Pirkle, 76
			8859	Bott, 76
H ₂	+	HBr	9274	Miller, 77
H ₂	+	HCl	8439	Pirkle, 76
			8859	Bott, 76
			9274	Miller, 77
			14813	Rosen, 79
H ₂	+	HF	10390	Chen, 74
H ₂	+	H ₂	5885	Jennings, 73
H ₂	+	N ₂	8859	Bott, 76
H ₂	+	NO	9274	Miller, 77
H ₂	+	CO ₂	8859	Bott, 76
			9274	Miller, 77
H ₂	+	HCN	9232	McGarvey Jr., 77
H ₂	+	N ₂ O	9274	Miller, 77
H ₂	+ ¹	CO	13415	Moore Jr., 74
HI	+	HF	5642	Ahl, 73
HI	+	Cl ₄	9403	Dixon, 77
N ₂	+	CO	5862	Zittel, 72
			6124	Stephenson, 74
			11039	Von Rosenberg, 72

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N ₂	+	CO	11183	Young, 72	CO ₂	+	N ₂	7162	Inoue, 75
N ₂	+	N ₂	6767	Dreyer, 74				7171	Gueguen, 75
			8826	Ung, 76				8896	Vargin, 76
			10563	Hays, 73	CO ₂	+	N ₂	11015	Chang, 72
N ₂	+	CO ₂	7908	Dunn, 75				11024	Stephenson, 72
			10993	Bulthuis, 73	CO ₂	+	O ₂	9816	Thomas, 77
N ₂	+	H ₂ O	7908	Dunn, 75	CO ₂	+	CO ₂	6784	Doyennette, 75
N ₂	+	NH ₃	7908	Dunn, 75				7278	Slobodskaya, 75
N ₂ *	+	CO ₂	5394	McNeal, 72				7279	Starr, 75
N ₂ *	+	N ₂ O	5394	McNeal, 72				10268	Murray, 75
N ₂ *	+	OCS	12578	Bogey, 74				10993	Bulthuis, 73
NO	+	CO	15298	Billingsley, 71				11013	Seery, 72
NO	+	N ₂	15298	Billingsley, 71				11024	Stephenson, 72
NO	+	NO	5671	Stephenson, 73	CO ₂	+	H ₂ Se	11366	Seeber, 71
			9616	Glanzer, 77	CO ₂	+	N ₂ O	11963	Kamimoto, 70
			9816	Thomas, 77	CO ₂	+	NOF	14920	Burak, 73
			11247	Patel, 78	CO ₂	+	O ₃	11055	Stephenson, 72
			15022	Horiguchi, 79	CO ₂	+	O ₃	5578	Cool, 73
NO	+	O ₂	9816	Thomas, 77				5751	Von Rosenberg Jr., 73
O ₂	+	CO	9421	Thomas, 77	CO ₂	+	C ₂ D ₂	11055	Stephenson, 72
O ₂	+	DCl	9421	Thomas, 77	CO ₂	+	COF ₂	5578	Cool, 73
O ₂	+	HBr	8485	Braithwaite, 76	CO ₂	+	C ₂ H ₆	6391	Veerabhadra Rao, 7
O ₂	+	HCl	9421	Thomas, 77	CO ₂ *	+	CO	12094	Rosser Jr., 71
O ₂	+	NO	5880	Ogryzlo, 73	HCN	+	CO ₂	13925	Coulter, 78
			9421	Thomas, 77	HCN	+	HCN	9232	McGarvey Jr., 77
O ₂	+	O ₂	10579	Parker, 73	H ₂ O	+	H ₂ O	11292	Hariri, 78
O ₂	+	CO ₂	9421	Thomas, 77	H ₂ O	+	NH ₃	11582	Herlemont, 78
O ₂	+	D ₂ O	9421	Thomas, 77	N ₂ O	+	CO	5858	Margottin-Maclou, 72
O ₂	+	H ₂ O	9421	Thomas, 77				9102	Suitor, 77
			15377	Bass, 74	N ₂ O	+	HBr	14287	Seoudi, 79
O ₂	+	N ₂ O	9421	Thomas, 77	N ₂ O	+	HCl	13336	Doyennette, 78
O ₂	+	O ₃	11359	Baiamonte, 71	N ₂ O	+	N ₂	7171	Gueguen, 75
O ₂	+	C ₂ H ₂	9421	Thomas, 77				12928	Picard-Berselli 78
O ₂	+	NH ₃	9421	Thomas, 77	N ₂ O	+	O ₂	9816	Thomas, 77
O ₂ *	+	CO ₂	5534	Bass, 73	N ₂ O	+	N ₂ O	5931	Gueguen, 73
TF	+	CO ₂	8486	Nikitin, 76				6784	Doyennette, 75
CO ₂	+	CO	7162	Inoue, 75	OCS	+	N ₂	8898	Hui, 76
			8896	Vargin, 76	OCS	+	OCS	6764	Hancock, 74
			11013	Seery, 72	O ₃	+	OCS	8898	Hui, 76
			11024	Stephenson, 72	O ₃	+	SiF ₄	7189	Kaldor, 75
CO ₂	+	DBr	5863	Stephenson, 72	O ₃ *	+	SiF ₄	6336	Braun, 74
CO ₂	+	DCl	5863	Stephenson, 72	SO ₂	+	Ar	6569	Siebert, 75
CO ₂	+	DI	5863	Stephenson, 72	SO ₂	+	He	6569	Siebert, 75
CO ₂	+	HBr	5863	Stephenson, 72	SO ₂	+	Kr	6569	Siebert, 75
			14287	Seoudi, 79	SO ₂	+	Ne	6569	Siebert, 75
CO ₂	+	HCl	5863	Stephenson, 72	SO ₂	+	Xe	6569	Siebert, 75
			13336	Doyennette, 78					
CO ₂	+	HI	5863	Stephenson, 72					

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SO ₂	+	SO ₂	6569	Siebert, 75
			6927	Earl, 75
			11345	Shields, 71
BCl ₃	+	HCl	6531	Frankel, 74
CH ₃ Br	+	CH ₃ Br	8113	Earl, 76
CH ₃ Cl	+	CH ₃ Cl	10394	Grabiner, 74
CH ₃ F	+	NO ₂	7715	Lee, 75
CH ₃ F	+	CH ₃ F	5386	Karny, 72
			9408	Preses, 77
			9592	McNair, 77
			10569	Grabiner, 73
			12877	Sheorey, 78
			12933	Chesnokov, 77
CH ₃ F	+	CH ₄	12234	Chesnokov, 77
C ₂ H ₄	+	C ₂ H ₄	14071	Hager, 79
SF ₆	+	SF ₆	10919	Knudtson, 73
			11986	Bates Jr., 70
			11987	Burak, 70
C ₃ H ₆	+	C ₃ H ₆	15212	Fujimoto, 79
C ₆ D ₆ *	+	C ₆ H ₆	9154	Parmenter, 77

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O ₂	+	N ₂	14646	Jamshidi, 78
O ₂ *	+	HCl	9178	Madronich, 77
O ₂ *	+	HF	9178	Madronich, 77
O ₂ *	+	CO ₂	6064	Ogryzlo, 74
O ₂ *	+	H ₂ O	6064	Ogryzlo, 74
NO ₂	+	CO	11910	Hsu, 78
- -			15006	Callear, 78
			15165	Koski, 75

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- -			9189	Toennies, 76
			14293	Dickinson, 79
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Ar	+	Br ₂	14785	Bowman, 79
Ar	+	HCl	10571	Tait, 73
Ar	+	HF	10571	Tait, 73
Ar	+	H ₂	9233	Blais, 76
			10923	Wagner, 73
			11898	Blais, 78
			12556	Young, 73
			15122	Truhlar, 79
Ar	+	I ₂	10418	Rubinson, 74
Ar	+	Li ₂ *	8169	Procaccia, 75
Ar	+	N ₂	12444	Hunding, 70
Ar	+	OH	10571	Tait, 73
Ar	+	O ₂	12444	Hunding, 70
			12453	Shin, 70
			15301	Shin, 71
Ar	+	CO ₂	10224	Suzukawa Jr., 78
Ar	+	COCl ₂	15140	Yonezawa, 74
Ar	+	COF ₂	15140	Yonezawa, 74
Ar	+	H ₂ CO	15140	Yonezawa, 74
Ar*	+	N ₂ *	11175	Cosby, 72
Ar ⁺¹	+	O ₂	12426	Shin, 70
Br	+	HBr	10311	White, 74
Br	+	H ₂	14876	Zimmerman, 75
Cl	+	Cl ₂	8169	Procaccia, 75
Cl	+	H ₂	10430	Thompson, 74
Cl	+	DCl	11042	Thompson, 72
Cl	+	D ₂	14876	Zimmerman, 75
D	+	HBr	12107	Locker, 71
D	+	H ₂	9411	Smith, 77
D	+	DCl	14074	Jolicard, 79

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Ar	+	Li ₂	13921	Jeyes, 78
Ar*	+	N ₂	8444	Schweid, 76
			8907	Krenos, 76
			14262	Cutshall, 79
Br*	+	CO	6389	Lin, 74
Br*	+	NO	12931	Houston, 77
Br*	+	HCN	7697	Petersen, 75
Cl ⁻	+	H ₂	14742	Cheung, 79
D ⁺¹	+	CO ₂	14706	Bischof, 79
H ⁺¹	+	CO ₂	14706	Bischof, 79
H ⁺¹	+	CD ₄	7345	Gentry, 75
H ⁺¹	+	CH ₄	7345	Gentry, 75
Hg*	+	OH	7699	Vikis, 75
I*	+	CO	6389	Lin, 74
K	+	Br ₂	14712	Los, 79
K ⁺¹	+	D ₂	14990	Van Dop, 71
K ⁺¹	+	H ₂	14990	Van Dop, 71
Li ⁺¹	+	CO	8262	Bottner, 76
Li ⁺¹	+	N ₂	8262	Bottner, 76
Na*	+	CO	14750	Hsu, 76
Na*	+	Molecules	14526	Hertel, 79
CO	+	CO	14965	Charneau, 75
CO	+	N ₂	14965	Charneau, 75
ICl	+	CO	11910	Hsu, 78
I ₂	+	CO	11910	Hsu, 78
N ₂ *	+	CO	5401	Golde, 72

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D	+	HD	12107	Locker,	71
D	+	H ₂	10166	Gianturco,	77
			12439	Gianturco,	70
D	+	ND	11958	Locker,	70
D	+	NH	11958	Locker,	70
D	+	N ₂	12439	Gianturco,	70
F	+	H ₂	14876	Zimmerman,	75
H	+	Br ₂	6931	McKenzie,	75
H	+	Cl ₂	11354	Rankin,	71
H	+	D ₂	12107	Locker,	71
H	+	HBr	10311	White,	74
H	+	HCl	11042	Thompson,	72
H	+	HD	10398	Clarke,	74
H	+	H ₂	6754	Schinke,	75
			7832	Schatz,	75
			9411	Smith,	77
			10166	Gianturco,	77
			10891	Bowman,	73
			11031	Truhlar,	72
			11964	Wu,	70
			13396	Ioup,	73
			15446	Clark,	73
H	+	NH	11958	Locker,	70
H ⁻	+	O ₂	12481	Levine,	71
H ⁺¹	+	D ₂	13433	Giese,	74
H ⁺¹	+	HD	13433	Giese,	74
H ⁺¹	+	HD ⁺¹	14937	Watanabe,	70
H ⁺¹	+	H ₂	5060	Ritchie,	72
			8260	Collins,	76
			8990	Skodje,	76
			9273	Kruger,	77
			9625	Schinke,	77
			9861	Schinke,	77
			10962	Truhlar,	73
			11092	Top,	77
			12189	Schinke,	78
			12584	Collins,	74
			13360	Ritchie,	72
			13433	Giese,	74
			13443	Azziz,	75
			13621	Eckelt,	74
He	+	Br ₂	8852	Duff,	76
He	+	CO	9224	McKenzie,	77
			9634	Gianturco,	77
			10212	Ewing,	77
			12097	Thommarson,	71
He	+	D ₂	11162	Bergeron,	72
He	+	D ₂ ⁺¹	13054	Poppe,	78
He	+	HBr	8852	Duff,	76
			14490	Cross Jr.,	79
			15446	Clark,	73

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He	+	HCl	10571	Tait,	73
He	+	HF	10571	Tait,	73
He	+	H ₂	6754	Schinke,	75
			6929	Duff,	75
			6931	McKenzie,	75
			6933	Billing,	75
			7626	Duff,	75
			7769	Clark,	75
			8805	Gianturco,	76
			9070	Truhlar,	76
			9116	Patengill,	77
			9209	Bowman,	77
			9217	Augustin,	77
			9224	McKenzie,	77
			9385	Leasure,	77
			9569	Truhlar,	75
			9589	Augustin,	77
			9637	Clark,	77
			9907	Schatz,	77
			10101	Child,	77
			10226	Tarr,	78
			10269	McGuire,	75
			10309	Rabitz,	74
			10423	Alexander,	74
			11014	Eastes,	72
			11162	Bergeron,	72
			11185	Doll,	72
			11334	Morse,	71
			11365	Wartell,	71
			11755	Eno,	78
			11757	Schatz,	78
			11973	Lin,	70
			11985	Miller,	70
			12429	Wartell,	70
			12434	Micha,	70
			12444	Hunding,	70
			12506	Micha,	72
			13612	Drake,	74
			13656	Drake,	75
			13968	Lin,	79
			13988	Lin,	79
			14242	Secrest,	79
			14490	Cross Jr.,	79
			14492	Eno,	79
			14608	Nesbet,	79
			14779	Dove,	79
			15086	Miller,	71
			15125	Augustin,	79
			15312	Miller,	73
			15446	Clark,	73
He	+	H ₂ ⁺¹	8285	Chapman Jr.,	76
			9904	Cohen,	77
			10245	Sathyamurthy,	75
			10281	Chapman Jr.,	75
			13054	Poppe,	78
He	+	I ₂	9215	Nanbu,	77

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He	+	I ₂	10418	Rubinson, 74
			10923	Wagner, 73
He	+	N ₂	9224	McKenzie, 77
He	+	N ₂ ⁺¹	14549	Kelley, 79
He	+	OH	10571	Tait, 73
He	+	O ₂	10226	Tarr, 78
			10923	Wagner, 73
			11903	Gordon, 78
He	+	O ₂ ⁺¹	12495	Eckelt, 71
			12520	Eckelt, 72
He	+	CO ₂	11095	Parker, 78
He	+	NH ₃	11037	Fabris, 72
Hf*	+	CO ₂	13298	Gruzdev, 74
			15188	Mach, 72
Hg*	+	CO	11174	Gonzalez, 72
			15368	Wilson, 74
Hg*	+	HF	15368	Wilson, 74
I	+	H ₂	11042	Thompson, 72
I	+	I ₂	8169	Procaccia, 75
			10430	Thompson, 74
K*	+	N ₂	12573	Andreev, 73
K ⁺¹	+	HD ⁺¹	14937	Watanabe, 70
Kr	+	I ₂	10418	Rubinson, 74
Kr	+	CO ₂	10224	Suzukawa Jr., 78
			11238	Schatz, 78
Li	+	H ₂	9570	Choi, 77
			13511	Gianturco, 78
Li ⁺¹	+	CO	7723	Philipp, 76
			11810	Thomas, 78
			14234	Micha, 79
Li ⁺¹	+	HD ⁺¹	14937	Watanabe, 70
Li ⁺¹	+	H ₂	6969	Schaefer, 75
			7768	Sutherley, 75
			8114	Billing, 76
			10263	Gentry, 75
			10411	Kouri, 74
			10439	Brown, 74
			11153	White, 72
			12508	White, 72
			12553	Schaefer, 73
			12575	Schaefer, 74
			13056	Schinke, 78
			14051	Eastes, 79
			14866	Gianturco, 74
Li ⁺¹	+	N ₂	8201	Collins, 76
			9119	Philipp, 77
			12241	Poppe, 78
			12621	Korsch, 75
			13621	Eckelt, 74
			13977	Billing, 79
			14234	Micha, 79

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N	+	NO	11958	Locker, 70
Na	+	N ₂	8857	Barker, 76
Na	+	Na ₂	9108	Gelb, 77
Na*	+	H ₂	14739	McGuire, 79
Na*	+	N ₂	12573	Andreev, 73
Na ⁺¹	+	HD ⁺¹	14937	Watanabe, 70
Ne	+	H ₂ ⁺¹	9904	Cohen, 77
Ne	+	I ₂	10418	Rubinson, 74
Ne	+	CO ₂	10224	Suzukawa Jr., 78
O	+	CO	7712	Korsch, 76
O	+	HCl	13409	Bogan Jr., 74
O	+	HF	10571	Tait, 73
O	+	N ₂	9571	Delgado-Barrio, 77
			10360	Tully, 74
			11023	Shipsey, 72
			11958	Locker, 70
O	+	OH	10571	Tait, 73
O	+	CO ₂	6087	Bass, 74
O	+	NH ₃	6087	Bass, 74
O*	+	N ₂	14273	Villarreal, 79
Pb	+	D ₂	6714	Ewing, 74
Si	+	I ₂	14785	Bowman, 79
T	+	CN	11958	Locker, 70
T	+	ND	11958	Locker, 70
Te	+	H ₂	6714	Ewing, 74
Xe	+	I ₂	10418	Rubinson, 74
Zn*	+	NO	14277	Breckenridge, 79
Br ₂	+	Br ₂	8207	Bergeron, 76
CO	+	CO	5397	Dawson, 72
			5881	Stettler, 73
			6757	Liu, 75
			7168	Sharma, 75
			7427	Misra, 74
			7645	Brechignac, 75
			8169	Procaccia, 75
			8903	Chow Chiu, 76
			11363	Jeffers, 71
			12606	Lev-On, 74
			12615	Sharma, 75
			12633	Bergeron, 75
			13356	Dillon, 72
			14768	Shin, 79
			15153	Hess, 70
CO	+	CO ⁺¹	7184	Moran, 75
CO	+	Cl ₂	10095	Shin, 77
CO	+	DCl	7427	Misra, 74
CO	+	D ₂	10095	Shin, 77
			10401	Shin, 74

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CO	+	H ₂	11243	Stricker, 78	HF	+	HF	7196	Shin, 75
CO	+	N ₂	7427	Misra, 74				8147	Shin, 76
			8169	Procaccia, 75				10136	Wilkins, 77
			10095	Shin, 77				12589	Shin, 74
			10401	Shin, 74				12757	Billing, 78
			11325	Caledonia, 71	HF	+	H ₂	7427	Misra, 74
			14066	Chapuisat, 79	HF	+	CO ₂	5396	Dillon, 73
CO	+	NO	8169	Procaccia, 75				10428	Dillon, 74
			9764	Doyennette, 77				10974	Dillon, 73
			10401	Shin, 74	HF	+	H ₂ O	6948	Shin, 75
CO	+	O ₂	9764	Doyennette, 77	H ₂	+	Br ₂	14490	Cross Jr., 79
			10401	Shin, 74	H ₂	+	Cl ₂	15446	Clark, 73
CO	+	OCS	11165	Lev-On, 72	H ₂	+	D ₂	12439	Gianturco, 70
CO	+	O ₃	8898	Hui, 76				5407	Calvert, 72
CO ⁺	+	CO	7265	Slanger, 75				6334	Alexander, 74
CO ⁺	+	N ₂	7265	Slanger, 75				10302	Cohen, 74
CO ⁺¹	+	CO	7184	Moran, 75				11406	Brown, 78
Cl ₂	+	Cl	10270	Procaccia, 75				12587	Cohen, 74
Cl ₂	+	Cl ₂	8207	Bergeron, 76	H ₂	+	HBr	14066	Chapuisat, 79
			12633	Bergeron, 75	H ₂	+	HCl	12941	Eberhardt, 78
D ₂	+	CO	9764	Doyennette, 77	H ₂	+	H ₂	5407	Calvert, 72
D ₂	+	D ₂	5407	Calvert, 72				7230	Jolicard, 75
			9211	Skodje, 77				8713	Dwyer, 76
			10302	Cohen, 74				8847	Gordon, 76
			10889	Alexander, 73				8890	Billing, 76
D ₂	+	D ₂ ⁺¹	6917	Flannery, 75				9211	Skodje, 77
D ₂	+	HD	11952	Wilson, 70				11033	Morse, 72
D ₂	+	H ₂	5407	Calvert, 72				11146	Kiefer, 72
			11406	Brown, 78				11172	Shizgal, 72
D ₂ ⁺¹	+	D ₂	6917	Flannery, 75				11952	Wilson, 70
			7905	Stocker, 74				12633	Bergeron, 75
DF	+	DF	6778	Shin, 75	H ₂	+	H ₂ ⁺¹	14066	Chapuisat, 79
			9594	Shin, 76				14793	Shin, 79
			14070	Wilkins, 79				15304	Shin, 73
DF	+	CO ₂	5396	Dillon, 73	H ₂	+	N ₂	11033	Morse, 72
			10428	Dillon, 74	H ₂	+	O ₂	12439	Gianturco, 70
			10974	Dillon, 73	H ₂	+	NH ₃	11037	Fabris, 72
HBr	+	HBr	5881	Stettler, 73	H ₂	+	H	6917	Flannery, 75
			7427	Misra, 74	H ₂	+	H ₂	7184	Moran, 75
			10969	Sharma, 73				7905	Stocker, 74
HBr	+	H ₂	14066	Chapuisat, 79	I ₂	+	I ₂	15304	Shin, 73
HCl	+	HBr	7427	Misra, 74	N ₂	+	CO	7427	Misra, 74
HCl	+	HCl	5881	Stettler, 73				9764	Doyennette, 77
			10412	Shin, 74				10289	Shin, 74
			10969	Sharma, 73				10401	Shin, 74
			12576	Sharma, 74				11325	Caledonia, 71
HCl	+	CO ₂	5396	Dillon, 73				14066	Chapuisat, 79
HD	+	HD	11952	Wilson, 70	N ₂	+	HCl	5436	Berend, 72
			12633	Bergeron, 75	N ₂	+	H ₂	11033	Morse, 72
HF	+	HF	6778	Shin, 75	N ₂	+	N ₂	6931	McKenzie, 75

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N ₂	+	N ₂	7230	Jolicard,	75	Ar [.]	+	H ₂	9227	Huo,	77
			8847	Gordon,	76	Cs [.]	+	N ₂	14897	Meitlis,	72
			9907	Schatz,	77	F	+	H ₂	13016	Latham,	78
			12633	Bergeron,	75	He	+	H ₂	8014	Lin,	75
			14066	Chapuisat,	79				9276	Schatz,	77
			14490	Cross Jr.,	79				11522	Eno,	78
			15028	Billing,	79				14528	De Pristo,	79
			15153	Hess,	70	Kr	+	CO ₂	15128	Schatz,	79
			15446	Clark,	73	Li ⁺¹	+	H ₂	8902	Barg,	76
N ₂	+	N ₂ ⁺¹	7184	Moran,	75	Na [.]	+	Molecules	14765	Taylor,	79
N ₂	+	O ₂	5436	Berend,	72	Na ⁺¹	+	D ₂	14867	Faubel,	74
			10468	Chapuisat,	77	CO	+	CO	15126	Wassam Jr.,	79
			13781	Jolicard,	78	CO ⁺¹	+	CO	8997	Flannery,	76
			14066	Chapuisat,	79	HBr	+	Br ₂	15115	Jolicard,	78
N ₂	+	CO ₂	12941	Eberhardt,	78	HF	+	H	7061	Shin,	75
N ₂ ⁺¹	+	N ₂	7184	Moran,	75	H ₂	+	Br ₂	15115	Jolicard,	78
NO	+	N ₂	10401	Shin,	74	H ₂	+	Cl ₂	15115	Jolicard,	78
NO	+	NO ⁺¹	7184	Moran,	75	H ₂ ⁺¹	+	H ₂	9137	Moran,	77
NO ⁺¹	+	NO	7184	Moran,	75	N ₂	+	Br ₂	15115	Jolicard,	78
OD	+	CO ₂	5427	Basov,	72	N ₂	+	Cl ₂	15115	Jolicard,	78
O ₂	+	N ₂	10468	Chapuisat,	77	N ₂ ⁺¹	+	N ₂	8997	Flannery,	76
			13781	Jolicard,	78	NO ⁺¹	+	NO	8997	Flannery,	76
			14066	Chapuisat,	79	O ₂ [.]	+	Molecules	9815	Thomas,	77
O ₂	+	O ₂	8207	Bergeron,	76	O ₂ ⁺¹	+	O ₂	8997	Flannery,	76
			11146	Kiefer,	72	- -			6857	Clark,	75
			12776	Capitelli,	78				7199	Zimmerman,	75
			15153	Hess,	70				7226	Gentry,	75
O ₂	+	O ₂ ⁺¹	7184	Moran,	75				7229	Jolicard,	75
O ₂ ⁺¹	+	O ₂	7184	Moran,	75				7686	Jolicard,	76
CO ₂	+	DF	6962	Gait,	75				7757	Ficocelli Varracc,	7
CO ₂	+	HCl	6962	Gait,	75				7912	Atabek,	76
CO ₂	+	HF	6962	Gait,	75				8020	Sayasov,	75
CO ₂	+	Hl	6962	Gait,	75				8201	Collins,	76
CO ₂	+	N ₂	6716	Sharma,	75				8219	Pechukas,	76
			7162	Inoue,	75				8311	Vitlina,	74
			8903	Chow Chiu,	76				8445	Makowski,	76
			12498	Andreev,	71				8928	Stettler,	76
			14758	Billing,	79				8929	Gait,	76
CO ₂	+	CO ₂	8814	Fujimoto,	76				9088	Baxter,	77
			15104	Dupre,	75				9103	Makowski,	76
N ₂ O	+	N ₂	12928	Picard-Berselli,	78				9561	Nikitin,	76
O ₃	+	OCS	8898	Hui,	76				9564	Connor,	76
SO ₂	+	SO ₂	14233	Rao,	79				9565	Procaccia,	76
CH ₄	+	CH ₄	11510	Ulrich,	78				9568	Collins,	77
			14489	Cross Jr.,	79				9761	De Vries,	77
- -									9916	Chang,	77
									9981	Gavrikov,	76
									9990	Brandt,	73
Ar	+	HF	15306	Shin,	73				10149	Dougherty,	77
Ar [.]	+	D ₂	9227	Huo,	77				10241	Olmsted,	77
Ar [.]	+	HD	9227	Huo,	77				10329	Stallcop,	75

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Ar	+	HF	15306	Shin,	73
Ar [.]	+	D ₂	9227	Huo,	77
Ar [.]	+	HD	9227	Huo,	77

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- 10338 Sorensen, 74
 10342 Lin, 74
 10431 Liu, 74
 10434 Eastes, 74
 10438 Storm, 74
 10583 Shobatake, 73
 10586 Storm, 73
 10690 Chauvin, 76
 10849 Hickman, 77
 10862 Sayasov, 77
 10894 Hunter, 73
 10898 Storm, 73
 10931 Koppel, 73
 10970 Hanson, 73
 10975 Hunter, 73
 10976 Hunter, 73
 11003 Gordon, 73
 11069 Levine, 72
 11070 Roberts, 72
 11076 Stallcop, 72
 11077 Pechukas, 72
 11082 Kelley, 72
 11120 Curtiss, 77
 11123 Raczynski, 77
 11205 Roberts, 72
 11213 Wilson, 72
 11390 Thiele, 71
 11395 Chiu, 71
 11402 Wong, 71
 11408 Sigmund, 78
 11775 Miller, 78
 11911 Malins, 78
 11917 Lin, 78
 11948 Roberts, 70
 11959 Kelley, 70
 11970 Locker, 70
 12044 Diestler, 70
 12078 Roberts, 70
 12096 Roberts, 71
 12103 Hansen, 71
 12104 Miller, 71
 12126 Harris, 71
 12138 Yao, 71
 12145 Diestler, 71
 12427 Nyeland, 70
 12451 Levine, 70
 12452 Miller, 70
 12468 Levine, 71
 12514 Tam, 72
 12540 Shin, 73
 12544 Chang, 73
 12588 Alexander, 74
 12607 Bergeron, 74
 12617 Billing, 75
 12619 Manz, 75
 12626 Atabek, 75
 13407 Penner, 74
 13695 Clinton, 70

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 14249 Levine, 79
 14270 Gottdiener, 79
 14867 Faubel, 74
 14869 Clarke, 74
 15074 Gordon, 79
 15083 Lester Jr., 75
 15110 Sire, 78
 15120 Malik, 78
 15144 Jean, 75
 15252 Ovchinnikov, 72
 15369 Connor, 74

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- - -
 9537 Kempster, 76
 15156 Doering, 73
 15166 Kempster, 75

ORIGINAL DATA

- | | |
|-----------------------|------------------------|
| Al ⁺¹ + Kr | 10785 Dowek, 77 |
| Al ⁺¹ + Ne | 10785 Dowek, 77 |
| | 13434 Andersen, 74 |
| Ar + Xe | 10785 Dowek, 77 |
| Ar + Ar | 7281 Kempster, 75 |
| | 7679 Brenot, 75 |
| | 7951 Kempster, 75 |
| | 9635 Kempster, 76 |
| | 14266 Rothwell Jr., 79 |
| Ar + Ar ⁺¹ | 7953 Isler, 75 |
| Ar + Ba ⁺¹ | 15283 Shpenik, 74 |
| Ar + Ca ⁺¹ | 12235 Ovchinnikov, 77 |
| | 15283 Shpenik, 74 |
| Ar + Cd [.] | 10214 Gordeev, 77 |
| Ar + Cs [.] | 5859 Pimbert, 73 |
| Ar + Cs ⁺¹ | 13272 Zapesochnyi, 72 |
| Ar + H | 7787 Rousset, 75 |
| | 7931 Kleckner, 75 |
| | 7932 Suchannek, 75 |
| | 13426 Sauer, 74 |
| | 13610 Morgan, 74 |
| | 13733 Birely, 72 |
| | 15316 Orbeli, 70 |
| Ar + H ⁻ | 10458 Harnois, 77 |
| | 11845 Esaulov, 78 |
| Ar + H ⁺¹ | 7565 Kleckner, 74 |
| Ar + He ⁺¹ | 8454 Shah, 76 |
| | 13600 Gerber, 73 |
| Ar + Hg [.] | 15303 Madhavan, 73 |
| Ar + K | 10775 Martin, 77 |
| | 12013 Zehnle, 78 |
| | 12591 Duren, 74 |
| | 13611 Kempster, 74 |

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Ar	+	K	13632	Kempter, 74
			13658	Alber, 75
			15133	Andersen, 79
Ar	+	K^{+1}	7944	Bobashev, 75
			7950	Menendez, 75
			8138	Afrosimov, 76
			8829	Bobashev, 76
			13260	Pop, 71
			15168	Bobashev, 70
			15337	Afrosimov, 72
Ar	+	Mg^{+1}	8263	Fayeton, 76
			15075	Andersen, 79
			15283	Shpenik, 74
			15428	Ovchinnikov, 74
Ar	+	N^{+1}	13424	Moore Jr., 74
Ar	+	Na	10103	Mecklenbrauck, 77
			10776	Kempter, 77
			12763	Phillips, 78
			13973	Apt, 79
			14852	Niewitecka, 73
			15062	Andersen, 79
Ar	+	Na ⁺	9380	Gallagher, 77
Ar	+	Ne	9635	Kempter, 76
Ar	+	Rb	14746	Speller, 79
Ar	+	Rb^{+1}	8829	Bobashev, 76
Ar	+	S	14522	Black, 79
Ar	+	Sr^{+1}	7750	Zapesochnyi, 75
			12235	Ovchinnikov, 77
			15283	Shpenik, 74
Ar	+	Tl	13267	Chaika, 72
Ar	+	Tl ⁺	15078	Gelhaar, 73
Ar	+	Zn^{+1}	15133	Andersen, 79
Ar	+	H_2	6966	McNeely, 75
Ar	+	N_2	6966	McNeely, 75
			8838	Sanders, 76
			12147	Calo, 71
			12622	Golde, 75
			13263	Bochkova, 71
Ar	+	N_2^{+1}	13692	Liu, 70
			14957	Fayeton, 71
Ar	+	NO	6966	McNeely, 75
Ar	+	CD_2	11954	Eder, 70
Ar	+	CH_2	11954	Eder, 70
Ar ⁺	+	Cl	9072	King, 77
			9226	Clyne, 77
			14651	Setser, 78
Ar ⁺	+	H	11426	Clyne, 78
			14651	Setser, 78
			14751	Monkhouse, 76
Ar ⁺	+	Kr	5299	Gedanken, 72
			7285	Piper, 75

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Ar*	+	Kr	9785	Piper, 77
			13239	Bochkova, 70
			14651	Setser, 78
Ar ⁺	+	O	9072	King, 77
			12600	Piper, 74
			14651	Setser, 78
Ar ⁺	+	Xe	5299	Gedanken, 72
			9072	King, 77
			13239	Bochkova, 70
			14651	Setser, 78
Ar ⁺	+	D_2	10167	Yokoyama, 77
		H_2	10167	Yokoyama, 77
		H_2	10220	McKenney, 77
Ar ⁺	+	N_2	11043	Fink, 72
			7820	Martin, 75
			9584	Chen, 76
			9642	Touzeau, 77
			9766	Kolts, 77
			9812	Krenos, 77
			10320	Winicur, 74
			10918	Le Calve, 73
			12203	Parr, 78
			14651	Setser, 78
Ar ⁺¹	+	Ar	7953	Isler, 75
			13525	Barat, 70
			15000	Bierman, 73
Ar ⁺¹	+	SO_2	11792	Fukutome, 78
		Be ⁺¹	13434	Andersen, 74
		Ca ⁺¹	15339	Shpenik, 72
		Cd	15339	Shpenik, 72
		Cd ⁺	15339	Shpenik, 72
		Ca ⁺¹	15339	Shpenik, 72
		Mg ⁺¹	13268	Zavilopulo, 72
		Cd ⁺	15339	Shpenik, 72
		Sr ⁺¹	15339	Shpenik, 72
		NO	8837	Breckenridge, 76
		Cd ⁺	14959	Laniepce, 72
		Cs ⁺	15051	Kartasheva, 78
		N ₂	6280	Morozov, 73
		Cd	13265	Zavilopulo, 72
		Cs ⁺	5859	Pimbart, 73
		H	13355	Mathur, 72
		Mg ⁺¹	10216	Zavilopulo, 77
		Ar	5718	Cuvellier, 73
		Cs ⁺	11470	Yabuzaki, 78
		Cs ⁺	10100	Leslie, 77
		He	5718	Cuvellier, 73
		Kr	5718	Cuvellier, 73
		Ne	5718	Cuvellier, 73

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Cs ⁺	+	Xe	5718	Cuvellier,	73	He	+	Cd ⁺	10214	Gordeev,	77
Cs ⁺¹	+	K	8993	Aquilanti,	76	He	+	Cs [*]	5859	Pimbert,	73
D	+	N ₂	13423	Birely,	74	He	+	Cs ⁺¹	13272	Zapesochnyi,	72
			15099	Birely,	74	He	+	H	7787	Roussel,	75
D ⁺	+	D ₂	10246	Su,	75				13426	Sauers,	74
D ⁺¹	+	H	13427	Kondow,	74				13615	Flannery,	74
D ⁺¹	+	N ₂	13423	Birely,	74				13733	Birely,	72
Eu ⁺	+	Eu	10097	Karlov,	77	He	+	H ⁻	10458	Harnois,	77
H	+	H	13610	Morgan,	74	He	+	He	6964	Kempter,	75
			15070	Hill,	79				7679	Brenot,	75
H	+	CO	10363	Bearman,	78				9635	Kempter,	76
H	+	H ₂	8842	Lewis,	76				10104	Morgenstern,	77
H	+	N ₂	10363	Bearman,	78				12870	Bagaev,	77
			13423	Birely,	74				14681	Kimura,	79
			15099	Birely,	74				14854	Kalra,	73
H	+	CO ₂	10392	Haugh,	74	He	+	He ⁺¹	8454	Shah,	76
H ⁺	+	D	15048	Follmer,	79				13572	Barat,	72
H ⁺	+	D ₂	10246	Su,	75	He	+	Hg ⁺	14275	Bordenave-Montes,	79
			10884	Van Volkenburgh,	73				11789	Lukaszewski,	78
H ⁺	+	H ₂	12450	Chow,	70	He	+	K	15303	Madhavan,	73
H ⁺¹	+	Ar	13372	Crandall,	73				12013	Zehnle,	78
			13579	Abignoli,	72				12591	Duren,	74
H ⁺¹	+	H	9877	Chong,	77				13658	Alber,	75
			13162	Houver,	72	He	+	K [*]	15133	Anderesen,	79
			13427	Kondow,	74	He	+	K ⁺¹	15068	Cuvellier,	79
			13603	Morgan,	73	He	+		13260	Pop,	71
			13619	Houver,	74	He	+		15321	Pop,	70
			13687	Kauppila,	70	He	+	Kr	7627	Brenot,	75
H ⁺¹	+	He	13372	Crandall,	73	He	+	Li	13798	Nielsen,	78
H ⁺¹	+	Kr	13579	Abignoli,	72	He	+	Li ⁺¹	15222	Anderesen,	73
H ⁺¹	+	Li	15060	Myers,	79	He	+	Mg	7930	McCullough,	75
H ⁺¹	+	Mg	7930	McCullough,	75	He	+	Mg ⁺¹	14665	Bisgaard,	79
H ⁺¹	+	Xe	13579	Abignoli,	72				7669	Anderesen,	75
H ⁺¹	+	CO	12035	Moore Jr.,	70				7948	Anderesen,	75
H ⁺¹	+	N ₂	12035	Moore Jr.,	70				14665	Bisgaard,	79
			13423	Birely,	74				15075	Anderesen,	79
			14928	Moore Jr.,	72				15283	Shpenik,	74
			14982	De Heer,	70	He	+	N ⁺¹	15428	Ovchinnikov,	74
H ⁺¹	+	NO	8910	Bearman,	76	He	+	Na	14662	Okasaka,	79
H ⁺¹	+	O ₂	11350	Moore Jr.,	71				10103	Mecklenbrauck,	77
H ⁺¹	+	C ₂ H ₂	12035	Moore Jr.,	70				10776	Kempter,	77
H ⁺¹	+	C ₂ H ₄	12035	Moore Jr.,	70				10777	Anderesen,	77
He	+	Ar	7627	Brenot,	75	He	+	Na [*]	14852	Niewitecka,	73
			9635	Kempter,	76	He	+		15062	Anderesen,	79
He	+	Ba ⁺¹	15283	Shpenik,	74				9380	Gallagher,	77
He	+	Be ⁺¹	7282	Olsen,	75	He	+	Ne	7627	Brenot,	75
			7669	Anderesen,	75				9595	Klimentova,	75
			14196	Olsen,	79				9635	Kempter,	76
He	+	Ca ⁺¹	15283	Shpenik,	74	He	+	Ne [*]	10402	Arrathoon,	74
									13241	Desai,	70
									15066	Webster,	79

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He	+	O	12140	McConkey,	71
He	+	Rb	14746	Speller,	79
He	+	Rb ⁺	15317	Matveev,	70
He	+	S	14522	Black,	79
He	+	Sr ⁺	13017	Volovich,	78
			15283	Shpenik,	74
He	+	Tl	13267	Chaika,	72
He	+	Tl ⁺	15078	Gelhaar,	73
He	+	Xe	7627	Brenot,	75
He	+	Zn ⁺	10777	Andersen,	77
			15133	Andersen,	79
He	+	N ₂	10363	Bearman,	78
			13361	Hoffman,	73
He	+	N ₂ ⁺	11318	Kelley,	78
			13408	Bregman-Reisler,	74
			13692	Liu,	70
			14957	Fayeton,	71
He	+	O ₂	10363	Bearman,	78
He	+	CD ₂	11954	Eder,	70
He	+	CH ₂	11954	Eder,	70
He ⁺	+	Ar ⁺	13285	Bochkova,	74
He ⁺	+	He	5363	Jobe,	72
			8985	Wine,	76
			8996	Shaw,	76
			9121	Bagaev,	76
			10104	Morgenstern,	77
			13243	Bogdanova,	70
			13718	Miller,	71
			13801	Jordan,	78
			14681	Kimura,	79
He ⁺	+	Kr ⁺	13285	Bochkova,	74
He ⁺	+	Mg	7930	McCullough,	75
He ⁺	+	Ne	5379	Ionikh,	71
			5755	Ionikh,	73
			6096	Aubes,	74
			7753	Leasure,	76
			9418	Haberland,	77
			9519	Haberland,	76
			13244	Desai,	70
			13714	Arrathoon,	71
He ⁺	+	Rb ⁺	15397	Gudkov,	73
He ⁺	+	Xe	12568	Lantschner,	73
He ⁺	+	Xe ⁺	13285	Bochkova,	74
He ⁺	+	N ₂	13361	Hoffman,	73
He ⁺	+	Ar	9791	Sidis,	77
			13180	Isler,	70
			13421	Isler,	74
			13524	Baudon,	70
			13600	Gerber,	73
He ⁺	+	H	7766	Fayeton,	76

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He ⁺	+	H	7956	Fayeton,	75
			11048	Haugh,	72
			7177	Rahmat,	75
			8998	Vassilev,	76
			10104	Morgenstern,	77
			10802	Vassilev,	77
			13173	Vassilev,	75
			13194	Rahmat,	71
			13217	Barat,	73
			13572	Barat,	72
			13600	Gerber,	73
			13605	Brenot,	75
			13723	Rosenthal,	71
			14275	Bordenave-Montes,	79
			14681	Kimura,	79
			15354	Dashchenko,	75
			13524	Baudon,	70
			15060	Myers,	79
			7930	McCullough,	75
			10677	Pommier,	77
			13188	Tolk,	70
			13431	Isler,	74
			13524	Baudon,	70
			13524	Baudon,	70
			13361	Hoffman,	73
			14710	Gochitashvili,	79
			11350	Moore Jr.,	71
			10465	Cheron,	77
			13286	Bochkova,	74
			15407	Bochkova,	73
			11909	Duren,	78
			12574	Kempter,	74
			13616	Kempter,	74
			13411	Skonieczny,	74
			7716	Lecler,	76
			6280	Morozov,	73
			7241	Chernon,	74
			15117	Cremer,	78
			7716	Lecler,	76
			6678	Vienne-Casalta,	75
			14958	Cheron,	71
			7716	Lecler,	76
			13261	Bogdanova,	71
			14849	Czajkowski,	73
			7716	Lecler,	76
			12236	Wade,	78
			15132	Kraulinya,	79
			7716	Lecler,	76
			6280	Morozov,	73

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Hg*	+	Zn	8084	Czajkowski, 76	Kr	+	Hg*	15303	Madhavan, 73
			13240	Bochkova, 70	Kr	+	K	12013	Zehnle, 78
			15117	Cremer, 78				12591	Duren, 74
Hg*	+	CN	12554	Vikis, 73				13420	Vora, 74
			12565	Vikis, 73				13611	Kempter, 74
Hg*	+	HgCl	12554	Vikis, 73				13632	Kempter, 74
Hg*	+	HgH	12554	Vikis, 73	Kr	+	Kr	13658	Alber, 75
Hg*	+	NH	12554	Vikis, 73				7679	Brenot, 75
Hg*	+	N ₂	7716	Lecler, 76	Kr	+	Mg ⁺¹	14266	Rothwell Jr., 79
Hg*	+	NO	8886	Krause, 76				15283	Shpenik, 74
Hg*	+	OH	12554	Vikis, 73	Kr	+	N ⁺¹	15428	Ovchinnikov, 74
I ⁻	+	O ₂	15310	Derwent, 72	Kr	+	Na	13424	Moore Jr., 74
K ⁺	+	Ar	15315	Gersing, 73				10103	Mecklenbrauck, 77
K ⁺	+	Cs	13694	Pritchard, 70				10776	Kempter, 77
K ⁺	+	H	13355	Mathur, 72	Kr	+	Rb	13973	Apt, 79
K ⁺	+	He	15315	Gersing, 73	Kr	+	S	14852	Niewitecka, 73
K ⁺	+	K	12574	Kempter, 74	Kr	+	Sr ⁺¹	14746	Speller, 79
			12579	Kempter, 74				14522	Black, 79
			15315	Gersing, 73				7750	Zapesochnyi, 75
K ⁺	+	Kr	15315	Gersing, 73	Kr	+	Tl [*]	13017	Volovich, 78
K ⁺	+	Mg ⁺¹	10216	Zavilopulo, 77	Kr	+	N ₂ ⁺¹	15283	Shpenik, 74
K ⁺	+	Ne	15315	Gersing, 73	Kr*	+	Hg	13692	Liu, 70
K ⁺	+	Rb	13694	Pritchard, 70	Kr*	+	Xe	7983	Lee, 76
K ⁺	+	Xe	15315	Gersing, 73	Kr ⁺¹	+	Kr	5299	Gedanken, 72
K ⁺	+	Ar	14974	Lijnse, 74	Li ⁺	+	H	13525	Barat, 70
K ⁺	+	He	14974	Lijnse, 74	Li ⁺	+	Ne	13355	Mathur, 72
K ⁺	+	Rb	13675	Stacey, 70	Li ⁺¹	+	Ar	10049	Andersen, 77
K ⁺¹	+	Ar	7950	Menendez, 75	Li ⁺¹	+	He	13602	Barat, 73
			8138	Afrosimov, 76				13568	Lorentz, 72
			9092	Odom, 77				13569	Francois, 72
			15337	Afrosimov, 72				15222	Andersen, 73
K ⁺¹	+	He	15321	Pop, 70				15393	Latypov, 71
K ⁺¹	+	Hg	10808	Aquilanti, 77	Li ⁺¹	+	Hg	15396	Afrosimov, 72
			11103	Aquilanti, 78				10808	Aquilanti, 77
K ⁺¹	+	K	7987	Aquilanti, 76	Li ⁺¹	+	K	11103	Aquilanti, 78
K ⁺¹	+	Na	10283	Aquilanti, 74				8993	Aquilanti, 76
K ⁺¹	+	Ne	15317	Matveev, 70	Li ⁺¹	+	Kr	10283	Aquilanti, 74
			15324	Pop, 71	Li ⁺¹	+	Na	13602	Barat, 73
Kr	+	Al ⁺¹	10785	Dowek, 77	Li ⁺¹	+	Ne	10049	Andersen, 77
Kr	+	Ba ⁺¹	7942	Ovchinnikov, 75				13434	Andersen, 74
			15283	Shpenik, 74				13602	Barat, 73
Kr	+	Ca ⁺¹	13017	Volovich, 78	Li ⁺¹	+	Xe	13602	Barat, 73
			15283	Shpenik, 74	Mg ⁺¹	+	Cd	13268	Zavilopulo, 72
Kr	+	Cd [*]	10214	Gordeev, 77				15339	Shpenik, 72
Kr	+	Cs [*]	5859	Pimbert, 73	Mg ⁺¹	+	Cs	10216	Zavilopulo, 77
Kr	+	H	13733	Birely, 72				15399	Zavilopulo, 73
			15316	Orbeli, 70	Mg ⁺¹	+	He	9090	Andresen, 77
Kr	+	He ⁺¹	8454	Shah, 76	Mg ⁺¹	+	K	10216	Zavilopulo, 77

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Mg ⁺¹	+	Na	10216	Zavilopulo,	77
Mg ⁺¹	+	Ne	8263	Fayeton,	76
			13177	Andersen,	73
			13434	Andersen,	74
Mg ⁺¹	+	Rb	10216	Zavilopulo,	77
			15399	Zavilopulo,	73
N ⁺¹	+	He	14662	Okasaka,	79
N ⁺¹	+	Ne	13177	Andersen,	73
			13434	Andersen,	74
N ⁺¹	+	O ₂	13389	Moore Jr.,	73
Na	+	Ar	10103	Mecklenbrauck,	77
			10776	Kemper,	77
			11812	Biraben,	78
Na	+	Cs	13694	Pritchard,	70
Na	+	H	13355	Mathur,	72
Na	+	He	10103	Mecklenbrauck,	77
			10776	Kemper,	77
			11812	Biraben,	78
Na	+	K	12574	Kemper,	74
			12579	Kemper,	74
			13694	Pritchard,	70
Na	+	Kr	10103	Mecklenbrauck,	77
			10776	Kemper,	77
			11812	Biraben,	78
Na	+	Mg ⁺¹	10216	Zavilopulo,	77
Na	+	Na	8866	Allegrini,	76
Na	+	Ne	9635	Kemper,	76
			10049	Andersen,	77
			10103	Mecklenbrauck,	77
			10776	Kemper,	77
			11812	Biraben,	78
Na	+	Rb	13694	Pritchard,	70
Na	+	Xe	10103	Mecklenbrauck,	77
			10776	Kemper,	77
			11812	Biraben,	78
Na	+	NO ₂	12525	Kemper,	72
Na [*]	+	K	7165	Allegrini,	75
Na [*]	+	Na	6971	Chen,	75
			9885	Allegrini,	77
Na [*]	+	Rb	7822	Pritchard,	75
Na ⁺¹	+	He	15388	Bobashev,	70
Na ⁺¹	+	Hg	9410	Aquilanti,	77
			10808	Aquilanti,	77
			11103	Aquilanti,	78
Na ⁺¹	+	K	8993	Aquilanti,	76
			10283	Aquilanti,	74
Na ⁺¹	+	Ne	8864	Bydin,	76
			10049	Andersen,	77
			13167	Tolk,	73
			13177	Andersen,	73
			13434	Andersen,	74

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Na ⁺¹	+	Ne	14281	Olsen,	79
Ne	+	Al ⁺¹	10785	Dowek,	77
Ne	+	Ar	9635	Kemper,	76
Ne	+	Ba ⁺¹	12235	Ovchinnikov,	77
			15283	Shpenik,	74
Ne	+	Be ⁺¹	14196	Olsen,	79
			14203	Andersen,	79
Ne	+	C ⁺¹	10781	Dowek,	77
Ne	+	Ca ⁺¹	12235	Ovchinnikov,	77
			15283	Shpenik,	74
Ne	+	Cd [*]	10214	Gordeev,	77
Ne	+	Cs [*]	5859	Pimbert,	73
Ne	+	Cs ⁺¹	13272	Zapesochnyi,	72
			15317	Matveev,	70
Ne	+	H	13733	Birely,	72
			15316	Orbeli,	70
Ne	+	He	13241	Desai,	70
Ne	+	Hg [*]	15303	Madhavan,	73
Ne	+	K	12013	Zehnle,	78
			12591	Duren,	74
			13658	Alber,	75
			15133	Andersen,	79
Ne	+	K ⁺¹	13260	Pop,	71
			15317	Matveev,	70
			15324	Pop,	71
Ne	+	Mg ⁺¹	7947	Fayeton,	75
			7948	Andersen,	75
			8263	Fayeton,	76
			15075	Andersen,	79
			15283	Shpenik,	74
			15428	Ovchinnikov,	74
Ne	+	Na	10103	Mecklenbrauck,	77
			10776	Kemper,	77
			11756	Pedersen,	78
			13973	Apt,	79
			14852	Niewitecka,	73
			15062	Andersen,	79
Ne	+	Na [*]	9380	Gallagher,	77
Ne	+	Na ⁺¹	15357	Belik,	75
Ne	+	Ne	7281	Kemper,	75
			7679	Brenot,	75
			9635	Kemper,	76
			10783	Martin,	77
			13942	Martin,	78
Ne	+	Ne*	6567	Fukuda,	75
			14393	Prins,	77
			15210	Sierra,	79
Ne	+	Ne ⁺¹	7953	Isler,	75
			13600	Gerber,	73
Ne	+	Rb	14746	Speller,	79
Ne	+	Sr ⁺¹	13017	Volovich,	78

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Ne +	Sr ⁺¹	15283	Shpenik, 74	Xe +	H	13733	Birely, 72
Ne +	Tl [*]	15078	Gelhaar, 73			15316	Orbeli, 70
Ne +	Zn ⁺¹	15133	Andersen, 79	Xe +	H ⁻	10458	Harnois, 77
Ne +	N ₂ ⁺¹	13408	Bregman-Reisler, 74		K	12013	Zehnle, 78
		13692	Liu, 70			12591	Duren, 74
Ne [*] +	Ar ⁺¹	13285	Bochkova, 74			13611	Kemper, 74
Ne [*] +	Kr ⁺¹	13285	Bochkova, 74			13632	Kemper, 74
Ne [*] +	Ne	7709	Grandin, 75	Xe +	Mg ⁺¹	15283	Shpenik, 74
		9876	Pinard, 77			15428	Ovchinnikov, 74
Ne [*] +	Ne [*]	8904	Nakata, 76	Xe +	N ⁺¹	13424	Moore Jr., 74
Ne [*] +	Xe ⁺¹	11803	Kurov, 77	Xe +	Na	10103	Mecklenbrauck, 77
		13285	Bochkova, 74			10776	Kemper, 77
Ne ⁺¹ +	He	7943	Veje, 75	Xe +	Rb	14746	Speller, 79
		7945	Hasselkamp, 75	Xe +	S	14522	Black, 79
		9090	Andresen, 77	Xe +	Sr ⁺¹	7750	Zapesochnyi, 75
		13188	Tolk, 70			13017	Volovich, 78
		13524	Baudon, 70			15283	Shpenik, 74
Ne ⁺¹ +	Ne	7926	Schartner, 75	Xe +	Tl	13267	Chaika, 72
		7953	Isler, 75	Xe +	Tl [*]	15078	Gelhaar, 73
		13525	Barat, 70				
		13600	Gerber, 73	Xe +	CD ₂	11954	Eder, 70
		15000	Bierman, 73	Xe +	CH ₂	11954	Eder, 70
O +	Cs	13420	Vora, 74	Xe +	N ₂ ⁺¹	14957	Fayeton, 71
O +	K	13420	Vora, 74	Xe +	CD ₂	11954	Eder, 70
O +	Na	13420	Vora, 74	Xe +	CH ₂	11954	Eder, 70
O +	Rb	13420	Vora, 74	Xe +	N ₂	11597	Tracy, 78
O [*] +	Ar	11473	Windrich, 78	Zn +	NO	8832	Breckenridge, 76
O [*] +	Kr	11473	Windrich, 78	Zn [*] +	NO	14277	Breckenridge, 79
O [*] +	Xe	11473	Windrich, 78	Zn ⁺¹ +	Cd	15331	Shpenik, 71
O ⁺¹ +	O ₂	13352	Lee, 78	Zn ⁺¹ +	Zn	13245	Zapesochnyi, 70
O ⁺¹ +	Ne	13177	Andersen, 73	Ar ₂ [*] +	Kr	5299	Gedanken, 72
		13434	Andersen, 74	Ar ₂ [*] +	Xe	5299	Gedanken, 72
Rb +	H	13355	Mathur, 72			10574	Cheshnovsky, 73
Rb +	Mg ⁺¹	10216	Zavilopulo, 77	CN +	CN	10921	Coxon, 73
Rb +	Rb [*]	14860	Pace, 74			12866	Duric, 78
Rb [*] +	He	14974	Lijnse, 74	CO +	H	11030	Birely, 72
Rb ⁺¹ +	Ar	15340	Bobashev, 72			15097	Birely, 72
Rb ⁺¹ +	K	8993	Aquilanti, 76	CO +	Hg	12535	Van Itallie, 72
Sr ⁺¹ +	Cd	15339	Shpenik, 72			15303	Madhavan, 73
Tl [*] +	H ₂	8089	Gelhaar, 76	CO +	Hg [*]	12436	Kemper, 70
Tl [*] +	N ₂	8089	Gelhaar, 76	CO +	K	12437	Lacmann, 70
Xe +	Al ⁺¹	10785	Dowek, 77			12496	Kemper, 71
Xe +	Ba ⁺¹	15283	Shpenik, 74			12555	Kemper, 73
Xe +	Ca ⁺¹	13017	Volovich, 78			13616	Kemper, 74
		15283	Shpenik, 74			13956	Martin, 79
Xe +	Cd [*]	10214	Gordeev, 77			15315	Gersing, 73
Xe +	Cs [*]	5859	Pimbert, 73	CO +	Na	12496	Kemper, 71

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CO	+	Na ⁺	9641	Gallagher, 77
CO	+	CN	8848	Ochkin, 76
CO	+	N ₂ ⁺¹	13692	Liu, 70
CO ⁺	+	Hg	7983	Lee, 76
D ₂	+	Hg ⁺	15303	Madhavan, 73
D ₂	+	Na	5368	Krause, 72
D ₂	+	Rb ⁺	14848	Siara, 73
D ₂	+	N ₂ ⁺¹	13692	Liu, 70
HD	+	Rb ⁺	14848	Siara, 73
HF	+	Br	6662	Quigley, 75
			7870	Wodarczyk, 76
HF	+	I	9404	Wanner, 77
H ₂	+	Cs	5864	Rocchiccioli, 72
H ₂	+	H	7787	Roussel, 75
			11181	Hughes, 72
			13610	Morgan, 74
			15070	Hill, 79
			15097	Birely, 72
H ₂	+	He ⁺¹	8454	Shah, 76
H ₂	+	Hg ⁺	15303	Madhavan, 73
H ₂	+	Na	5368	Krause, 72
H ₂	+	Rb ⁺	14848	Siara, 73
H ₂	+	S	14522	Black, 79
H ₂	+	N ₂ ⁺¹	13692	Liu, 70
H ₂ ⁺¹	+	Li	15060	Myers, 79
H ₂ ⁺¹	+	CO	12035	Moore Jr., 70
H ₂ ⁺¹	+	N ₂	12035	Moore Jr., 70
H ₂ ⁺¹	+	O ₂	11350	Moore Jr., 71
H ₂ ⁺¹	+	C ₂ H ₂	12035	Moore Jr., 70
H ₂ ⁺¹	+	C ₂ H ₄	12035	Moore Jr., 70
He ₂	+	Xe ⁺¹	7016	Shuker, 75
He ₂ ⁺¹	+	Li	15060	Myers, 79
K ₂ ⁺	+	K	7823	Kraulinja, 75
			8125	Kopeikina, 75
Kr ₂ ⁺	+	Xe	5299	Gedanken, 72
			10574	Cheshnovsky, 73
LiF	+	He	10303	Dehmer, 74
LiF	+	Ne	10303	Dehmer, 74
LiF	+	Xe	10303	Dehmer, 74
LiF	+	D ₂	10303	Dehmer, 74
LiF	+	CH ₄	10303	Dehmer, 74
NF ⁺	+	Bi	13337	Capelle, 78
N ₂	+	Ar	6781	Lee, 75
N ₂	+	Gd ⁺	15063	Bulyshev, 79
N ₂	+	Cs	5864	Rocchiccioli, 72
			6753	Kielkopf, 75
N ₂	+	H	7931	Kleckner, 75

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N ₂	+	H	7932	Suchannek, 75
			11181	Hughes, 72
			14276	Sheridan, 79
			14927	Birely, 71
			15097	Birely, 72
N ₂	+	H ⁻	10458	Harnois, 77
N ₂	+	H ⁺¹	7565	Kleckner, 74
N ₂	+	He ⁺¹	8454	Shah, 76
			14710	Gochitashvili, 79
N ₂	+	Hg	10488	Duthler, 73
			13513	Oka, 78
N ₂	+	Hg ⁺	15303	Madhavan, 73
N ₂	+	K	10655	Loesch, 77
			10656	Kempter, 77
			12436	Kempter, 70
			12437	Lacmann, 70
			12496	Kempter, 71
			12555	Kempter, 73
			13956	Martin, 79
			15315	Gersing, 73
N ₂	+	Na	5368	Krause, 72
			9612	Eremin, 77
			12496	Kempter, 71
			13973	Apt, 79
N ₂	+	Na ⁺	9641	Gallagher, 77
N ₂	+	O	14713	Sheridan, 79
N ₂	+	Rb ⁺	14848	Siara, 73
N ₂	+	S	14522	Black, 79
N ₂	+	Zn	10488	Duthler, 73
N ₂	+	CO	6767	Dreyer, 74
N ₂	+	Hg ₂	13400	Phaneuf, 73
			13411	Skonieczny, 74
N ₂	+	N ₂	5384	Dreyer, 73
			8821	Burns, 76
			8826	Ung, 76
			10563	Hays, 73
			10885	Hays, 73
			15138	Cashin, 74
N ₂	+	N ₂ ⁺¹	13692	Liu, 70
N ₂	+	NO	6767	Dreyer, 74
			10259	Hikida, 75
N ₂	+	O ₂	6767	Dreyer, 74
N ₂	+	CH ₂	11954	Eder, 70
N ₂	+	CO ₂	6767	Dreyer, 74
N ₂	+	C ₂ H ₄	5384	Dreyer, 73
N ₂	+	C ₂ H ₆	5384	Dreyer, 73
N ₂	+	Hg	7983	Lee, 76
N ₂	+	CO	15261	Golde, 72
N ₂	+	N ₂ ⁺	12510	Hays, 72
N ₂	+	Ar	14957	Fayeton, 71

ORIGINAL DATA

N_2^{+1}	+	He	14957	Fayeton, 71
N_2^{+1}	+	Xe	14957	Fayeton, 71
NO	+	K	12436	Kempter, 70
			12437	Lacmann, 70
			12496	Kempter, 71
			12555	Kempter, 73
NO	+	Na	12496	Kempter, 71
NO	+	N_2^{+1}	13692	Liu, 70
NO [•]	+	NO	11331	Melton, 71
NaI	+	Rb	10250	Neoh, 75
Na_2^{\bullet}	+	Na	7823	Kraulinya, 75
O ₂	+	H	7931	Kleckner, 75
			14276	Sheridan, 79
			14927	Birely, 71
			15097	Birely, 72
O ₂	+	H ⁺¹	7565	Kleckner, 74
O ₂	+	He ⁺¹	8454	Shah, 76
O ₂	+	I	15310	Derwent, 72
O ₂	+	K	12436	Kempter, 70
			12437	Lacmann, 70
			12496	Kempter, 71
			12555	Kempter, 73
			13616	Kempter, 74
O ₂	+	Na	12496	Kempter, 71
O ₂	+	O	12140	McConkey, 71
O ₂	+	N_2^{+1}	13692	Liu, 70
O ₂ [•]	+	O ₂	11136	Jones, 72
O ₂ [•]	+	NO ₂	12478	O'Brien Jr., 71
CO ₂	+	H	7931	Kleckner, 75
			11030	Birely, 72
			15097	Birely, 72
CO ₂	+	H ⁺¹	7565	Kleckner, 74
CO ₂	+	K	12496	Kempter, 71
			12555	Kempter, 73
			13616	Kempter, 74
CO ₂	+	Na	12496	Kempter, 71
			13973	Apt, 79
CO ₂	+	N_2^{+1}	13692	Liu, 70
CS ₂	+	Na	12496	Kempter, 71
D ₂ O	+	Hg [•]	15303	Madhavan, 73
H ₂ O	+	Hg [•]	15303	Madhavan, 73
N ₂ O	+	N_2^{+1}	13692	Liu, 70
NO ₂	+	K	12496	Kempter, 71
			13616	Kempter, 74
NO ₂	+	Na	11352	Le Breton, 71
			12496	Kempter, 71
NO ₂	+	O ₂	5971	Jones, 73
NO ₂ [•]	+	O ₂	8424	Giachardi, 76
			10924	Frankiewicz, 73

ORIGINAL DATA

NO ₂ *	+	O ₂	12489	Jones, 71	
SO ₂	+	K	12496	Kempter, 71	
SO ₂	+	Na	11352	Le Breton, 71	
			12496	Kempter, 71	
NH ₃	+	H	11030	Birely, 72	
			15097	Birely, 72	
NH ₃	+	Xe [•]	11505	Smith, 78	
CD ₄	+	Rb [•]	14848	Siara, 73	
CF ₄	+	CD ₂	11954	Eder, 70	
CF ₄	+	CH ₂	11954	Eder, 70	
CH ₃ F	+	CH ₃ F	13170	Brewer, 74	
CH ₄	+	H	11030	Birely, 72	
			15097	Birely, 72	
CH ₄	+	Hg [•]	15303	Madhavan, 73	
CH ₄	+	Rb [•]	14848	Siara, 73	
CH ₄	+	N_2^{+1}	13692	Liu, 70	
C ₂ H ₄	+	K	12496	Kempter, 71	
			12555	Kempter, 73	
C ₂ H ₄	+	Na	12496	Kempter, 71	
C ₆ D ₆ [•]	+	C ₆ H ₆	9154	Parmenter, 77	
C ₆ H ₆	+	K	12555	Kempter, 73	
C ₆ H ₆	+	C ₂ H ₆ CO	10242	Loper, 75	
C ₆ H ₁₂	+	Hg [•]	15303	Madhavan, 73	
REFERENCE					
Ar	+	Cs	15052	Carlson, 79	
Ar	+	K	15039	Zehnle, 79	
Ar [•]	+	N ⁺¹	14679	Vujovic, 79	
Ar [•]	+	Kr	8899	Martin, 76	
Ar [•]	+	Xe	8899	Martin, 76	
Ar [•]	+	N_2	8907	Krenos, 76	
			14262	Cutshall, 79	
Ar ⁺¹	+	H ₂	14530	Brandt, 79	
Ar ⁺¹	+	NO	15155	Brandt, 73	
C	+	CO	12043	Appleton, 70	
C ⁺¹	+	NO	15155	Brandt, 73	
H	+	N_2	10668	Bearman, 77	
H ⁺¹	+	N_2	14976	Ghosh, 70	
H ⁺¹	+	H ₂ O	13003	Edmonson, 78	
He	+	Cs	15052	Carlson, 79	
He	+	He [•]	15177	Hollstein, 70	
He	+	K	14612	Zehnle, 78	
			15039	Zehnle, 79	
He	+	Na [•]	14841	Elbel, 70	
He	+	Ne	15177	Hollstein, 70	
He	+	Sr	12188	Fahey, 78	

REFERENCE

He	+	Sr ⁺¹	7750	Zapesochnyi,	75
He [*]	+	He	13647	Zhitnikov,	77
			15429	Latypov,	75
He [*]	+	Ne	8899	Martin,	76
			15177	Hollstein,	70
He [*]	+	H ₂	15177	Hollstein,	70
He ⁺¹	+	Ne	7763	Barat,	76
			15177	Hollstein,	70
Hg [*]	+	Cd	14967	Cheron,	75
K ⁺¹	+	Ar	7938	Bydin,	75
Kr	+	Cs	15052	Carlson,	79
Kr	+	K	15039	Zehnle,	79
Kr	+	CO	14650	Vikis,	78
Kr [*]	+	Br	6970	Persin,	75
Kr [*]	+	Xe	12867	Hugon,	78
Kr [*]	+	CO	11895	Vikis,	78
N ⁺¹	+	Ar	13581	Vujovic,	72
			14679	Vujovic,	79
N ⁺¹	+	NO	15155	Brandt,	73
Na [*]	+	Na [*]	12864	Kopystynska,	78
Na ⁺¹	+	Ar	7938	Bydin,	75
Na ⁺¹	+	Ne	15385	Bobashev,	70
Ne	+	He ⁺¹	7763	Barat,	76
Ne	+	K	15039	Zehnle,	79
Ne	+	Sr ⁺¹	7750	Zapesochnyi,	75
O	+	CO	12043	Appleton,	70
O ⁺¹	+	N ₂	7929	Harris,	75
O ⁺¹	+	NO	15155	Brandt,	73
Xe	+	K	15039	Zehnle,	79
Xe [*]	+	CO	8374	Watadani,	76
CO	+	Cs	15052	Carlson,	79
Cl ₂	+	Li	13151	Roeder,	78
HF	+	NF	14037	Macdonald,	79
H ₂	+	He [*]	15177	Hollstein,	70
H ₂ ⁺¹	+	H ₂ O	13003	Edmonson,	78
N ₂	+	Cs	15052	Carlson,	79
N ₂	+	He [*]	15177	Hollstein,	70
N ₂	+	N ₂	6722	Ravodina,	75
N ₂ [*]	+	Bi	9151	Capelle,	77
N ₂ [*]	+	Cd	14795	Fahey,	79
N ₂ [*]	+	Sr	14795	Fahey,	79
N ₂ [*]	+	Zn	14795	Fahey,	79
N ₂ [*]	+	CO	5401	Golde,	72
Na ₂ [*]	+	K	9120	Kopeikina,	76
Na ₂ [*]	+	Na	9120	Kopeikina,	76

REFERENCE

O ₂ [*]	+	HNO	14053	Ishiwata,	78
SF ₆	+	Li	13151	Roeder,	78
- -	-	-	10203	Baylis,	77
			10247	Opila,	75
			15006	Callear,	78
			15165	Koski,	75

ELECTRONIC EXCITATION THEORETICAL

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Ar	+	Ar	7679	Brenot,	75
Ar	+	Ar ⁺¹	13528	Johnson,	70
Ar	+	B	9636	Malvern,	77
Ar	+	Cs	12462	Nikitin,	71
			13295	Petraschen,	75
			13296	Petraschen,	75
Ar	+	H	13673	Levy II,	70
			15335	Vinogradov,	71
			15420	Vinogradov,	72
Ar	+	He	13543	Levy II,	70
Ar	+	K	12590	Andresen,	74
Ar	+	Na	9522	Gersten,	76
			9784	Saxon,	77
			13539	Masnou-Seeuws,	70
Ar	+	Na [*]	9117	Olson,	77
Ar	+	Rb	13295	Petraschen,	75
			13296	Petraschen,	75
Ar	+	Rb [*]	13562	Hidalgo,	72
			14731	Matsuzawa,	79
Ar	+	Sr ⁺¹	10807	Bobashev,	77
Ar ⁺¹	+	Ar	13633	Sidis,	75
Br	+	H ₂	10288	Zimmerman,	74
C ⁺¹	+	H	9093	Launay,	77
Cl	+	Xe	14642	Becker,	79
Cs	+	H	15420	Vinogradov,	72
Cs	+	H ⁺¹	8007	Olson,	76
Cs [*]	+	Ar	8988	Pascale,	76
Cs [*]	+	Cs	12472	Zembkov,	71
Cs [*]	+	He	8988	Pascale,	76
Cs [*]	+	Xe	8988	Pascale,	76
D [*]	+	H	9517	Gay,	77
			13953	Harel,	79
F	+	Ar	14642	Becker,	79
F	+	Xe	14642	Becker,	79
F	+	H ₂	10288	Zimmerman,	74
H	+	C	9207	Launay,	77

ORIGINAL DATA

ORIGINAL DATA

H + C ⁺¹	7667	Bazet, 75	H ⁺¹ + H	13721	Franco, 71
	7844	Harel, 75		13739	Rapp, 72
	10230	Harel, 78		13752	Delos, 72
	10276	Chu, 75		14834	Ellis, 73
	13713	Weisheit, 71		14837	Knudson, 70
H + Cs	15420	Vinogradov, 72		15026	Crothers, 79
H + D	9002	Kohmoto, 76		15031	Crothers, 79
H + H	13201	Flannery, 70		15137	Ponce, 79
H + H	13205	Flannery, 70		15185	Tripathi, 71
	13403	Shields, 74	H ⁺¹ + H [*]	15198	Felden, 75
	13414	Flannery, 74		9525	Toshima, 77
	13545	Bottcher, 70		9819	Toshima, 77
	13563	Flannery, 72	H ⁺¹ + He	8942	Shevelko, 76
	13703	Ritchie, 71		12668	Issa, 77
	15235	Flannery, 73		13607	Mathur, 73
H + H [*]	14061	Flannery, 79	H ⁺¹ + He ⁺¹	14810	Ojha, 79
H + H ⁺¹	15137	Ponce, 79		15130	Potter, 79
H + K	15420	Vinogradov, 72	H ⁺¹ + Li	15350	Demkov, 74
H + O	9207	Launay, 77	H ⁺¹ + Na	15180	Mathur, 71
H + Rb	15420	Vinogradov, 72	H ⁺¹ + Ne	5906	Albat, 74
H [*] + D	9517	Gay, 77		6460	Seddon, 74
H [*] + H	6319	Capitelli, 74	H ⁺¹ + Ni ⁺¹⁴	9155	Faucher, 77
	13259	Smirnov, 71	He + B	9636	Malvern, 77
	13953	Harel, 79	He + Be ⁺¹	7952	Nielsen, 75
H [*] + He	13290	Smirnov, 74		9769	Nielsen, 77
	13593	Bell, 73		10778	Nielsen, 77
H ⁺¹ + Ar	6698	Albat, 75	He + C ⁺¹	7621	Toshima, 75
H ⁺¹ + Be	6373	Banyard, 74	He + Cs	12462	Nikitin, 71
H ⁺¹ + Ca ⁺¹⁴	9155	Faucher, 77	He + Cs ⁺¹	15330	Devdariani, 71
H ⁺¹ + Cs	15180	Mathur, 71	He + H	13417	Peacher, 74
H ⁺¹ + F	10425	Preston, 74		13594	Bell, 73
H ⁺¹ + Fe ⁺¹¹	11777	Landman, 78		13617	Bell, 74
H ⁺¹ + Fe ⁺¹²	13663	Faucher, 75	He + H [*]	15235	Flannery, 73
	14406	Flower, 73		11327	Slocomb, 71
H ⁺¹ + Fe ⁺²⁰	9155	Faucher, 77	He + He	6965	Olson, 75
H ⁺¹ + H	7161	Sil, 75		7202	Banyard, 75
	7893	Lodge, 76		8900	Gauyacq, 76
	11184	Rapp, 72		13543	Levy II, 70
	12485	Bates, 71	He + He [*]	8009	Cohen, 76
	13195	Rosenthal, 71		13728	Evans, 71
	13206	Gaussorgues, 70	He + He ⁺¹	9180	Bell, 77
	13222	Chen, 72		13235	Roueff, 75
	13380	Chen, 73	He + K	7952	Nielsen, 75
	13383	Storm, 73		10464	Reid, 78
	13518	Gaussorgues, 75	He + Li	10778	Nielsen, 77
	13523	Catlow, 70		13798	Nielsen, 78
	13541	Bates, 70	He + Mg	13662	Bottcher, 75
	13552	Gaussorgues, 71		9769	Nielsen, 77
	13553	Ghosh, 71	He + Mg ⁺¹	13662	Bottcher, 75
	13618	Flannery, 74		9522	Gersten, 76
	13657	Kubach, 75	He + Na		
	13659	Shakeshaft, 75			

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He	+	Na	12435	Reid, 70
			13235	Roueff, 75
			13539	Masnou-Seeuws, 70
			13601	Reid, 73
He	+	Na [*]	9117	Olson, 77
He	+	Ne	14615	Babamov, 78
He	+	O ⁺¹	10958	Augustin, 73
He	+	Rb	13235	Roueff, 75
He	+	Rb [*]	13562	Hidalgo, 72
			14731	Matsuzawa, 79
He	+	H ₂	10652	Shimoni, 77
He	+	N ₂ ⁺¹	9787	Kelley, 77
			14549	Kelley, 79
He [*]	+	He	7264	Shipsey, 75
			7266	Steets, 75
			8009	Cohen, 76
			13422	Hickman, 74
			13801	Jordan, 78
			15163	Kodaira, 71
He [*]	+	Ne	10685	Oesterlin, 77
			14656	Haberland, 79
He ⁺¹	+	D	7725	Aubert, 76
He ⁺¹	+	H	7766	Fayeton, 76
			7956	Fayeton, 75
			13558	McCarroll, 71
			13618	Flannery, 74
			13738	Chen, 72
			15131	Franco, 79
He ⁺¹	+	He	7955	Stern, 75
			9095	Piacentini, 77
			9614	Stern, 77
			11117	Stern, 78
			12976	Ojha, 78
			13381	Evans, 73
			13747	Olson, 72
			15033	Ojha, 79
He ⁺¹	+	Ne	8831	Cho, 76
			9882	Laing, 77
			10315	Cho, 74
			13367	Eu, 73
			13371	Penner, 73
			13404	Guerin, 74
			13559	Sidis, 71
			13587	Gaussorgues, 73
			13751	Nikitin, 72
			15328	Ovchinnikova, 71
			15345	Elisenkov, 73
He ⁺²	+	H	7874	Gaussorgues, 75
			10927	Rapp, 73
			13606	Msezane, 73
He ⁺²	+	He	13926	Koike, 78
			14737	Koike, 79
K	+	H	15420	Vinogradov, 72

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K	+	He	9094	Roueff, 77
		K	13626	Kruger, 74
		K [*]	11793	Evers, 78
		K ⁺	14898	Andreev, 72
		Rb	10408	Chow Chiu, 74
Kr	+	Cs	13295	Petraschen, 75
			13296	Petraschen, 75
Kr	+	H	13673	Levy II, 70
			15420	Vinogradov, 72
Kr	+	He	13543	Levy II, 70
Kr	+	Na	13539	Masnou-Seeuws, 70
Kr	+	Rb	13295	Petraschen, 75
			13296	Petraschen, 75
Kr	+	Rb [*]	13562	Hidalgo, 72
Li ⁺¹	+	Ar	13602	Barat, 73
Li ⁺¹	+	He	9790	Sidis, 77
			13570	McCarroll, 72
			13602	Barat, 73
Li ⁺¹	+	Li [*]	10562	Chang, 73
Li ⁺¹	+	Na	8159	Habitz, 75
			13429	Melius, 74
Li ⁺¹	+	Ne	13602	Barat, 73
Mg ⁺¹²	+	Mg ⁺¹¹	12253	Skobelev, 78
Na	+	Ar	10665	Saxon, 77
Na	+	Cs	13691	Chang, 70
Na	+	H	15420	Vinogradov, 72
Na	+	Ne	15029	Courbin-Gaussorg, 79
Na	+	Rb	14838	Dashevskaya, 70
Na [*]	+	He	8988	Pascale, 76
			9629	Gaussorgues, 77
Na [*]	+	Kr	9629	Gaussorgues, 77
Na ⁺¹	+	Li	13429	Melius, 74
Na ⁺¹	+	Ne	9911	Bobashev, 76
			10805	Bobashev, 77
			15333	Ankudinov, 71
Ne	+	B	9636	Malvern, 77
Ne	+	Be ⁺¹	7952	Nielsen, 75
			9769	Nielsen, 77
			14196	Olsen, 79
			14203	Andersen, 79
Ne	+	H	13673	Levy II, 70
			15420	Vinogradov, 72
Ne	+	He	13543	Levy II, 70
Ne	+	Li	7952	Nielsen, 75
Ne	+	Mg ⁺¹	9769	Nielsen, 77
Ne	+	Na	8995	Bottcher, 76
			11756	Pedersen, 78
			13539	Masnou-Seeuws, 70

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Ne	+	Na	15029	Courbin-Gaussorg,	79
Ne	+	Na ⁺	9117	Olson,	77
Ne	+	Ne	7679	Brenot,	75
			10222	Gauyacq,	78
		Ne	10784	Gauyacq,	77
			11245	Fritsch,	78
Ne	+	Ne ⁺	7242	Kruglevsky,	74
Ne	+	Ne ⁺¹	14358	Fritsch,	78
			14667	Yagisawa,	79
Ne	+	Rb ⁺	13562	Hidalgo,	72
Ne ⁺	+	Ne	13442	Cohen,	75
Ne ⁺¹	+	N	15000	Bierman,	73
O	+	C	13409	Bogan Jr.,	74
O	+	O	12546	Olson,	73
			13409	Bogan Jr.,	74
O ⁺	+	O	7640	Krauss,	75
Rb	+	H	15420	Vinogradov,	72
Rb ⁺	+	Ar	8988	Pascale,	76
Rb ⁺	+	He	8988	Pascale,	76
Rb ⁺	+	Xe	8988	Pascale,	76
T ⁺	+	H	13953	Harel,	79
Xe	+	Cs	12462	Nikitin,	71
			13295	Petraschen,	75
			13296	Petraschen,	75
Xe	+	F	10425	Preston,	74
Xe	+	H	15420	Vinogradov,	72
Xe	+	Na	13539	Masnou-Seeuws,	70
Xe	+	Rb	13295	Petraschen,	75
			13296	Petraschen,	75
Xe ⁺	+	H ₂ O	13354	Matsuzawa,	78
Xe ⁺	+	SO ₂	13354	Matsuzawa,	78
Zn ⁺	+	NO	14277	Breckenridge,	79
CO	+	Na ⁺	9641	Gallagher,	77
Cs ₂	+	Cs ₂	13540	Dickinson,	70
HCl	+	Xe ⁺	14731	Matsuzawa,	79
			15057	Matsuzawa,	79
H ₂	+	Br	7986	Laing,	75
H ₂	+	C ⁺¹	7621	Toshima,	75
			9279	Flower,	77
			10276	Chu,	75
			10460	Flower,	77
			10666	Riera,	77
H ₂	+	F	7986	Laing,	75
			9776	Rebentrost,	77
H ₂	+	H ₂ CO	7665	Evans II,	75
K ₂	+	K ₂	13540	Dickinson,	70
N ₂	+	K	15109	Andreev,	74
N ₂	+	Na ⁺	9641	Gallagher,	77

ORIGINAL DATA

N ₂	+	N ₂	9527	Ravodina,	76
N ₂	+	N ₂ ⁺¹	9613	Anketell,	77
N ₂ ⁺	+	CO	14812	Deperasinska,	79
NO ⁺	+	NO	11332	Gordon,	71
Na ₂	+	Na ₂	13540	Dickinson,	70
RbCs	+	RbCs	13540	Dickinson,	70
Rb ₂	+	Rb ₂	13540	Dickinson,	70
H ₂ O	+	Xe ⁺	15057	Matsuzawa,	79
H ₂ S	+	Xe ⁺	15057	Matsuzawa,	79
NH ₃	+	Xe ⁺	14729	Rundel,	79
			15057	Matsuzawa,	79
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H	+	H	13397	Flannery,	73
H ⁺¹	+	H	13382	Storm,	73
			13384	Storm,	73
			13385	Storm,	73
			13397	Flannery,	73
H ⁺¹	+	He	13924	Sur,	78
			14652	Mukherjee,	79
He ⁺	+	He	15360	Kereselidze,	75
Hg ⁺	+	Cd	14966	Cheron,	75
K	+	K	12230	Nikitin,	77
Na	+	K	12230	Nikitin,	77
Na ⁺¹	+	Ne	14666	Lavrov,	79
-	-		7998	Simons,	76
			8019	Macek,	71
			8191	Thomas,	76
			9183	Gurevich,	76
			9216	Laing,	77
			9549	McCarroll,	74
			9761	De Vries,	77
			9821	Takayanagi,	77
			9990	Brandt,	73
			9993	Lasaga,	77
			10172	Gislason,	77
			10382	Miller,	77
			10470	Omont,	77
			10846	Nielsen,	77
			11078	Miller,	72
			11515	Rabitz,	78
			11820	Arora,	78
			12491	Volzt,	71
			12630	Baer,	75
			13353	Ostrovskii,	78
			13517	Flannery,	70
			13555	Percival,	71
			13556	Percival,	71
			14322	Gauyacq,	77
			14323	Bobashev,	77
			14427	Taulbjerg,	77
			14503	Kunc,	79
			14800	Son,	78

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- -	14880	Bates,	71
	14887	Massey,	72
	14979	Russek,	70
	15183	Sheldon,	71
	15253	Bogdanov,	72
	15257	Bates,	70
	15358	Gurevich,	76
	15365	Nakamura,	73

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- -	14880	Bates,	71
	14887	Massey,	72
	14979	Russek,	70
	15183	Sheldon,	71
	15253	Bogdanov,	72
	15257	Bates,	70
	15358	Gurevich,	76
	15365	Nakamura,	73

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HCl	+	SF ₆	14038	Roodhart,	79
Molecules			14035	Quack,	77
- -			9189	Toennies,	76
			10950	Gait,	76
			15273	Weitz,	74

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Ar	+	Na ₂	13582	Bergmann,	72
He	+	Na ₂	13582	Bergmann,	72
Kr	+	Na ₂	13582	Bergmann,	72
Ne	+	Na ₂	13582	Bergmann,	72
Xe	+	Na ₂	13582	Bergmann,	72
BaO	+	Ar	12033	Sakurai,	70
BaO	+	He	12033	Sakurai,	70
BaO	+	N ₂	12033	Sakurai,	70
BrF	+	He	12967	Clyne,	78
CN	+	Ar	10921	Coxon,	73
			11051	Duewer,	72
CO	+	Ar	10249	Slanger,	75
			10905	Slanger,	73
CO	+	He	10905	Slanger,	73
			11900	Vikis,	78
CO	+	CO	10249	Slanger,	75
			11900	Vikis,	78
			11939	Malinauskas,	70
			12855	Yagi,	78
			14981	Kistemaker,	70

CsF	+	Ar	14516	Borkenhagen,	79
CsF	+	He	14516	Borkenhagen,	79
CsF	+	Kr	14516	Borkenhagen,	79
CsF	+	Ne	14516	Borkenhagen,	79
CsF	+	Xe	14516	Borkenhagen,	79
CsF	+	CO	14516	Borkenhagen,	79
CsF	+	N ₂	14516	Borkenhagen,	79
CsF	+	CO ₂	14516	Borkenhagen,	79
CsF	+	N ₂ O	14516	Borkenhagen,	79
CsF	+	CBrF ₃	14516	Borkenhagen,	79
CsF	+	CF ₄	14516	Borkenhagen,	79
CsF	+	CHF ₃	14516	Borkenhagen,	79
CsF	+	CH ₃ Br	14516	Borkenhagen,	79
CsF	+	CH ₃ Cl	14516	Borkenhagen,	79
CsF	+	CH ₄	14516	Borkenhagen,	79
CsF	+	SF ₆	14516	Borkenhagen,	79
CsF	+	C ₂ H ₆	14516	Borkenhagen,	79
D ₂	+	Na ₂	13582	Bergmann,	72
F ₂	+	F ₂	9627	Horne,	77
HCl	+	Ar	8011	Ding,	75
HCl	+	He	8011	Ding,	75
HCl	+	Kr	8011	Ding,	75
HCl	+	HBr	8011	Ding,	75
HCl	+	HCl	8011	Ding,	75
HCl	+	HF	8011	Ding,	75
HCl	+	H ₁	8011	Ding,	75
HCl	+	H ₂ S	8011	Ding,	75
HD	+	He	12031	Akins,	70
			14983	Prangsma,	70
HD	+	Ne	12031	Akins,	70
HD	+	D ₂	12031	Akins,	70
HD	+	HD	12031	Akins,	70
HD	+	Na ₂	13582	Bergmann,	72
HF	+	Ar	8011	Ding,	75
HF	+	Xe	8895	Gurev,	76
HF	+	CO	8895	Gurev,	76
HF	+	D ₂	8895	Gurev,	76
HF	+	F ₂	8895	Gurev,	76
HF	+	HF	6364	Peterson,	74
			8815	Hinchen,	76
			8895	Gurev,	76
			9623	Sentman,	77
			9903	Krogh,	77
			10390	Chen,	74
HF	+	H ₂	8895	Gurev,	76
HF	+	O ₂	8895	Gurev,	76
HF	+	CO ₂	8895	Gurev,	76
HF	+	CS ₂	8895	Gurev,	76
HF	+	CCl ₄	8895	Gurev,	76
H ₂	+	Li ⁺¹	10405	Lester Jr.,	74
H ₂	+	H ₂	10421	Gallagher,	74
			11038	Yoder,	72

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H ₂	+	H ₂	15404	Boitnott,	71
H ₂	+	Na ₂	13582	Bergmann,	72
H ₂ ⁺	+	H ₂	14995	Prangsma,	72
He ₂	+	He	5406	Collins,	72
			8119	Gauthier,	76
			9620	Nakata,	77
			10139	Delpach,	77
He ₂	+	He ₂	15295	Callear,	70
He ₂ ⁺	+	He	11189	Collins,	72
I ₂	+	He	11058	Kurzel,	72
I ₂	+	Ne	11058	Kurzel,	72
I ₂	+	H ₂	11058	Kurzel,	72
I ₂	+	I ₂	6394	Paisner,	74
			12765	Jeyes,	78
I ₂ ⁺	+	Ar	11980	Kurzel,	70
I ₂ ⁺	+	He	11364	Kurzel,	71
			11980	Kurzel,	70
I ₂ ⁺	+	Kr	11980	Kurzel,	70
I ₂ ⁺	+	Ne	11364	Kurzel,	71
			11980	Kurzel,	70
I ₂ ⁺	+	Xe	11980	Kurzel,	70
I ₂ ⁺	+	H ₂	11364	Kurzel,	71
			11980	Kurzel,	70
I ₂ ⁺	+	I ₂	11364	Kurzel,	71
			11980	Kurzel,	70
I ₂ ⁺	+	CO ₂	11980	Kurzel,	70
LiF	+	Ar	10304	Dehmer,	74
LiF	+	D ₂	10304	Dehmer,	74
LiF	+	CH ₄	10304	Dehmer,	74
LiH	+	Ar	9870	Wilcomb,	77
LiH	+	DCI	14519	Dagdigian,	79
LiH	+	HCl	14519	Dagdigian,	79
Li ₂	+	Ar	12034	Ottinger,	70
			13921	Jeyes,	78
Li ₂	+	He	13921	Jeyes,	78
Li ₂	+	Li	13055	Vidal,	78
N ₂	+	Ar	6624	Kistemaker,	75
			11051	Duewer,	72
			11813	Kozhukhov,	77
			11936	Setser,	70
N ₂	+	He	6624	Kistemaker,	75
N ₂	+	Kr	6624	Kistemaker,	75
N ₂	+	Ne	6624	Kistemaker,	75
N ₂	+	Xe	6624	Kistemaker,	75
N ₂	+	N ₂	10393	Butherus,	74
			11939	Malinauskas,	70
			14981	Kistemaker,	70
N ₂	+	Na ₂	13582	Bergmann,	72

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N ₂ ⁺¹	+	CO	11183	Young,	72
NO	+	NO	5619	Bass,	73
Na ₂	+	Ar	10872	Drullinger,	73
			13630	Bergmann,	74
Na ₂	+	He	10872	Drullinger,	73
			13630	Bergmann,	74
Na ₂	+	Kr	10872	Drullinger,	73
			13630	Bergmann,	74
Na ₂	+	Ne	10872	Drullinger,	73
			13630	Bergmann,	74
Na ₂	+	Xe	10872	Drullinger,	73
			13630	Bergmann,	74
Na ₂	+	D ₂	10872	Drullinger,	73
			13630	Bergmann,	74
Na ₂	+	H ₂	10872	Drullinger,	73
			13630	Bergmann,	74
Na ₂	+	N ₂	10872	Drullinger,	73
			13630	Bergmann,	74
Na ₂	+	Na ₂	10910	Sinha,	73
Na ₂	+	CH ₄	10872	Drullinger,	73
			13630	Bergmann,	74
Na ₂ ⁺	+	He	14773	Wainger,	79
Na ₂ ⁺	+	Xe	12762	Brunner,	78
			14265	Brunner,	79
Na ₂ ⁺	+	H ₂	14773	Wainger,	79
Na ₂ ⁺	+	N ₂	14773	Wainger,	79
Na ₂ ⁺	+	CH ₄	14773	Wainger,	79
Na ₂ ⁺	+	He	9767	Lengel,	77
OH ⁺	+	Ar	9767	Lengel,	77
OH ⁺	+	H ₂	9767	Lengel,	77
OH ⁺	+	N ₂	9767	Lengel,	77
O ₂	+	O ₂	11939	Malinauskas,	70
S ₂	+	Ar	14525	Caughey,	79
S ₂	+	He	14525	Caughey,	79
S ₂	+	Xe	14525	Caughey,	79
S ₂ ⁺	+	Ar	12946	Caughey,	78
S ₂ ⁺	+	He	12946	Caughey,	78
S ₂ ⁺	+	Kr	12946	Caughey,	78
S ₂ ⁺	+	Ne	12946	Caughey,	78
S ₂ ⁺	+	Xe	12946	Caughey,	78
S ₂ ⁺	+	H ₂	12946	Caughey,	78
S ₂ ⁺	+	N ₂	12946	Caughey,	78
CO ₂	+	He	6069	Jacobs,	74
			7729	Simpson,	76
CO ₂	+	D ₂	7729	Simpson,	76
CO ₂	+	HD	7729	Simpson,	76
CO ₂	+	H ₂	7729	Simpson,	76
CO ₂	+	N ₂	6069	Jacobs,	74

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CO ₂	+	CO ₂	6069	Jacobs, 74
			6937	Lecuyer, 75
			11939	Malinauskas, 70
HCN	+	Ar	10907	Cohen, 73
HCN	+	He	10907	Cohen, 73
HCN	+	Xe	10907	Cohen, 73
HCN	+	HCN	10907	Cohen, 73
H ₂ O	+	Ar	9005	Keeton, 76
H ₂ O	+	H ₂ O	9005	Keeton, 76
H ₂ O	+	NH ₃	11582	Herlemont, 78
H ₂ S	+	H ₂ O	14978	Bauer, 70
ICN	+	ICN	10908	Cohen, 73
NH ₂	+	H	14776	Dixon, 79
NH ₂	+	H ₂	10244	Kroll, 75
N ₂ O	+	N ₂ O	6937	Lecuyer, 75
NO ₂	+	Ar	14524	Donnelly, 79
NO ₂	+	He	14524	Donnelly, 79
NO ₂	+	D ₂	14524	Donnelly, 79
NO ₂	+	H ₂	14524	Donnelly, 79
NO ₂	+	N ₂	14524	Donnelly, 79
NO ₂	+	O ₂	14524	Donnelly, 79
NO ₂	+	CO ₂	14524	Donnelly, 79
NO ₂	+	D ₂ O	14524	Donnelly, 79
NO ₂	+	H ₂ O	14524	Donnelly, 79
NO ₂	+	NO ₂	14524	Donnelly, 79
NO ₂	+	ND ₃	14524	Donnelly, 79
NO ₂	+	NH ₃	14524	Donnelly, 79
NO ₂	+	SF ₆	14524	Donnelly, 79
OCS	+	He	7655	Casleton, 75
			8883	Retallack, 76
			10280	Mader, 75
			10877	Wang, 73
OCS	+	HCl	7655	Casleton, 75
OCS	+	H ₂	8883	Retallack, 76
OCS	+	N ₂	7655	Casleton, 75
			10877	Wang, 73
OCS	+	OCS	7655	Casleton, 75
			7680	Coy, 75
			8883	Retallack, 76
			10280	Mader, 75
			10307	Kukolich, 74
			10406	Brown, 74
			10877	Wang, 73
			10992	Brittain, 73
OCS	+	NH ₃	7655	Casleton, 75
			10877	Wang, 73
OCS	+	CHF ₃	7655	Casleton, 75
			10877	Wang, 73

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OCS	+	CH ₃ F	7655	Casleton, 75
			10280	Mader, 75
			10877	Wang, 73
OCS	+	CH ₃ OH	8883	Retallack, 76
			12084	Bass, 71
SO ₂	+	SO ₂	12599	Raw, 74
BF ₃	+	BF ₃	6849	Foreman, 75
H ₂ CO	+	Ar	6849	Foreman, 75
H ₂ CO	+	He	6849	Foreman, 75
H ₂ CO	+	HCl	6849	Foreman, 75
H ₂ CO	+	H ₂	6849	Foreman, 75
H ₂ CO	+	N ₂	6849	Foreman, 75
H ₂ CO	+	CO ₂	6849	Foreman, 75
H ₂ CO	+	NH ₃	6849	Foreman, 75
H ₂ CO	+	CHF ₃	6849	Foreman, 75
NH ₃	+	He	10877	Wang, 73
			11405	Morita, 78
NH ₃	+	Xe	11505	Smith, 78
NH ₃	+	H ₂	11405	Morita, 78
NH ₃	+	N ₂	10877	Wang, 73
NH ₃	+	OCS	10877	Wang, 73
NH ₃	+	NH ₃	5768	Levy, 73
			10877	Wang, 73
NH ₃	+	CHF ₃	10992	Brittain, 73
			11044	Bass, 72
			12580	Kano, 74
NH ₃	+	CH ₃ F	10877	Wang, 73
CD ₄	+	Ar	7333	Kistemaker, 74
CD ₄	+	He	7333	Kistemaker, 74
CD ₄	+	Ne	7333	Kistemaker, 74
CD ₄	+	Xe	7333	Kistemaker, 74
CD ₄	+	CD ₄	7333	Kistemaker, 74
			10403	Siebert, 74
			12503	Cukrowski, 72
CF ₄	+	CF ₄	12503	Cukrowski, 72
			12599	Raw, 74
CH ₃ Cl	+	CH ₃ Cl	13708	Frenkel, 71
CH ₄	+	Ar	12503	Cukrowski, 72
CH ₄	+	He	12503	Cukrowski, 72
CH ₄	+	Xe	12503	Cukrowski, 72
CH ₄	+	Na ₂	13582	Bergmann, 72
CH ₄	+	CH ₄	12503	Cukrowski, 72
CH ₄	+	Ar	14994	Kistemaker, 72
CH ₄	+	He	14994	Kistemaker, 72

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CH ₄ ⁺	+	Xe	14994	Kistemaker,	72
CH ₄ ⁺	+	CH ₄	14994	Kistemaker,	72
SiF ₄	+	SiF ₄	12599	Raw,	74
C ₂ H ₂ F ₂	+	C ₂ H ₂ F ₂	10908	Cohen,	73
CH ₃ OH	+	He	6721	Lees,	74
CH ₃ OH	+	H ₂	6721	Lees,	74
CH ₃ OH	+	CH ₃ OH	6721	Lees,	74
CHOCHO	+	CHOCHO	10219	Rordorf,	78
SF ₆	+	SF ₆	12503	Cukrowski,	72
			12599	Raw,	74
C ₂ H ₅ OH	+	He	11139	Seibt,	72
C ₂ H ₅ OH	+	C ₂ H ₅ OH	11139	Seibt,	72
C ₆ H ₆	+	Ar	11919	Coveleskie,	78
C ₆ H ₆	+	C ₆ H ₆	11919	Coveleskie,	78

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HCl	+	HCl	14038	Roodhart,	79
HF	+	He	8151	Vasilev,	76
HF	+	Xe	8151	Vasilev,	76
HF	+	D ₂	8151	Vasilev,	76
HF	+	H ₂	8151	Vasilev,	76
I ₂	+	Ar	14546	McClelland,	79
I ₂	+	He	14546	McClelland,	79
I ₂	+	Ne	14546	McClelland,	79
I ₂	+	CO	14546	McClelland,	79
I ₂	+	D ₂	14546	McClelland,	79
I ₂	+	H ₂	14546	McClelland,	79
I ₂	+	I ₂	8841	Sakurai,	76
I ₂	+	N ₂	14546	McClelland,	79
I ₂	+	CF ₄	14546	McClelland,	79
I ₂	+	CH ₄	14546	McClelland,	79
I ₂	+	C ₂ F ₆	14546	McClelland,	79
I ₂	+	C ₂ H ₆	14546	McClelland,	79
I ₂	+	C ₃ H ₈	14546	McClelland,	79
CO ₂	+	Ne	8307	Bischel,	76
CO ₂	+	H ₂	8307	Bischel,	76
CO ₂	+	CO ₂	8307	Bischel,	76
CO ₂	+	CH ₂ F	8307	Bischel,	76
CO ₂	+	NH ₃	8307	Bischel,	76
OCS	+	Ar	13147	Meerts,	78
NH ₃	+	NH ₃	9078	Morita,	77
CHOCHO	+	CHOCHO	14240	Ten Brink,	79
- -			9545	Bischel,	76
			11066	Brown,	72
			11202	Bauer,	72
			12868	Krishnaji	78

REFERENCE

- -	15006	Callear,	78
	15276	Stepanov,	71

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- -	14293	Dickinson,	79
	15272	Secrest,	73

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Ar	+	HCl	12190	Green,	78
H ⁺¹	+	HD ⁺¹	14937	Watanabe,	70
He	+	D ₂	11141	Heukels,	72
He	+	HCl	12190	Green,	78
He	+	H ₂	9589	Augustin,	77
			10309	Rabitz,	74
			14291	Balint-Kurti,	79
			15125	Augustin,	79
He	+	HT	11141	Heukels,	72
He	+	Li ₂	12543	Poppe,	73
He	+	HCN	12190	Green,	78
K ⁺¹	+	HD ⁺¹	14937	Watanabe,	70
Li ⁺¹	+	HD ⁺¹	14937	Watanabe,	70
Na ⁺¹	+	HD ⁺¹	14937	Watanabe,	70
Xe ⁺	+	H ₂ O	13354	Matsuza, wa,	78
Xe ⁺	+	SO ₂	13354	Matsuza, wa,	78
CO	+	H	15015	Hoffman,	79
CO	+	He	12764	Green,	78
			14072	Thomas,	79
			14248	Bowman,	79
CO	+	CO	8423	Vargin,	75
			12146	Annis,	71
CS	+	H ₂	12764	Green,	78
Cl ₂	+	Cl ₂	12239	Nyeland,	78
CsF	+	Ar	10215	Fitz,	77
			11506	Dickinson,	78
CsF	+	Kr	11506	Dickinson,	78
CsF	+	Ne	11506	Dickinson,	78
CsF	+	Xe	11506	Dickinson,	78
DCI	+	DCI	10313	Agrawal,	74
			10688	Verter,	73
			11931	Zeleznik,	70
			12144	Zeleznik,	71
DCI	+	HCl	10688	Verter,	73
D ₂	+	Ar	6657	Agrawal,	75
			6814	Agrawal,	75
D ₂	+	He	6657	Agrawal,	75
			6814	Agrawal,	75
D ₂	+	Ne	8819	Alexander,	76
			6657	Agrawal,	75

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D ₂	+	Ne	6814	Agrawal, 75
D ₂	+	D ₂	9071	Billing, 77
			9230	Ramaswamy, 77
			14993	Moraal, 72
D ₂ ⁺¹	+	He	13054	Poppe, 78
DF	+	DF	11931	Zeleznik, 70
			14070	Wilkins, 79
HBr	+	HBr	10313	Agrawal, 74
			10688	Verter, 73
			11931	Zeleznik, 70
HCl	+	Ar	9175	Tarr, 77
			9862	Polanyi, 77
			10299	Verter, 74
			10982	Neilsen, 73
			11187	Sorensen, 72
			11425	Polanyi, 78
HCl	+	He	8423	Vargin, 75
			10186	Monchick, 77
			11425	Polanyi, 78
			12748	De Pristo, 78
			12947	Monchick, 78
			15015	Hoffman, 79
HCl	+	Xe	10299	Verter, 74
HCl	+	DCl	10688	Verter, 73
HCl	+	HBr	14073	Turfa, 79
HCl	+	HCl	8423	Vargin, 75
			10299	Verter, 74
			10313	Agrawal, 74
			10688	Verter, 73
			11600	Bhattacharyya, 78
			11931	Zeleznik, 70
			12144	Zeleznik, 71
			14073	Turfa, 79
			14544	Polanyi, 79
			14617	Koura, 79
HCl	+	HF	14073	Turfa, 79
HCl	+	H ₂	7166	Procaccia, 75
			8421	Koura, 76
			11026	Polanyi, 72
HCl	+	HI	14073	Turfa, 79
HCl	+	LiH	14609	Alexander, 79
HD	+	Ar	8259	Agrawal, 76
HD	+	He	8259	Agrawal, 76
			11161	Gelb, 72
			14945	Itikawa, 72
HD	+	Ne	8259	Agrawal, 76
			11161	Gelb, 72
HD	+	D ₂	11130	Van De Ree, 72
HD	+	HD	14513	Gelb, 79
			14993	Moraal, 72
HD	+	H ₂	14513	Gelb, 79

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HD ⁺¹	+	He	12758	Ray, 78
HD ⁺¹	+	HD ⁺¹	9640	Bhattacharyya, 77
HF	+	Ar	8090	Lebed, 75
HF	+	He	8090	Lebed, 75
			11161	Gelb, 72
HF	+	Kr	12748	De Pristo, 78
HF	+	Xe	8090	Lebed, 75
			12748	De Pristo, 78
HF	+	F ₂	11610	Vasilev, 76
HF	+	HF	9107	De Pristo, 77
			10136	Wilkins, 77
			10313	Agrawal, 74
			10688	Verter, 73
			11610	Vasilev, 76
			11931	Zeleznik, 70
			14617	Koura, 79
HF	+	H ₂	8090	Lebed, 75
			11610	Vasilev, 76
H ₂	+	Ar	6657	Agrawal, 75
			6814	Agrawal, 75
			12497	Pedersen, 71
H ₂	+	F	9079	De Vries, 77
H ₂	+	F'	9776	Rebentrost, 77
H ₂	+	H	7236	McCann, 75
			7798	McCann, 75
			9891	Pfeffer, 77
			14085	Schatz, 79
			14702	Choi, 79
H ₂	+	He	6657	Agrawal, 75
			6718	Alexander, 75
			6814	Agrawal, 75
			7324	Alexander, 74
			7761	Gelb, 76
			7871	Alexander, 76
			8368	Gerber, 76
			8819	Alexander, 76
			8888	Alper, 76
			9080	Goldflam, 77
			9271	Alexander, 77
			10226	Tarr, 78
			10227	Tarr, 78
			10264	Rabitz, 75
			10990	Shafer, 73
			11161	Gelb, 72
			11187	Sorensen, 72
			13529	Barua, 70
			13968	Lin, 79
			13988	Lin, 79
			14492	Eno, 79
			14779	Dove, 79
H ₂	+	Li ⁺¹	8114	Billing, 76
H ₂	+	Ne	6657	Agrawal, 75
			6814	Agrawal, 75

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H ₂	+	Ne	11161	Gelb,	72
H ₂	+	HD	14513	Gelb,	79
H ₂	+	H ₂	7190	Rabitz,	75
			7370	Alper,	75
			9071	Billing,	77
			9210	Ramaswamy,	77
			9230	Ramaswamy,	77
			10407	Zarur,	74
			10420	Gallagher,	74
			11592	Heil,	78
			12620	Gelb,	75
			13529	Barua,	70
			14993	Moraal,	72
H ₂	+	N ₂	13529	Barua,	70
H ₂	+	CO ₂	13529	Barua,	70
H ₂ ⁺¹	+	He	13054	Poppe,	78
HT	+	D ₂	11130	Van De Ree,	
I ₂	+	He	9196	Bowman,	77
			10418	Rubinson,	74
I ₂	+	Kr	10418	Rubinson,	74
I ₂	+	Ne	10418	Rubinson,	74
I ₂	+	I ₂	12765	Jeyes,	78
I ₂ ⁺	+	He	9209	Bowman,	77
I ₂ ⁺	+	I ₂	11290	Kato,	78
LiH	+	Ar	13961	Bhattacharyya,	7
LiH	+	DCI	14519	Dagdigian,	79
			14609	Alexander,	79
LiH	+	HCl	14519	Dagdigian,	79
			14609	Alexander,	79
N ₂	+	Ar	7287	Mehrotra,	75
			7288	Pattengill,	75
			8991	Choi,	76
			9200	Pack,	77
			9272	Pattengill,	77
			11158	Olmsted,	72
			11159	Russell,	72
			11371	Pattengill,	71
			12534	Gelb,	72
			13148	Eno,	78
			14748	Nyeland,	79
			15202	Sanctuary,	79
N ₂	+	Li	13514	Zaritsky,	78
N ₂	+	Li ⁺¹	13977	Billing,	79
N ₂	+	N ₂	7629	Itikawa,	75
			8013	Gerasimov,	75
			9859	Li,	77
			12020	Brau,	70
			12146	Annis,	71
			12239	Nyeland,	78
			13529	Barua,	70
			15226	Lukyanov,	72
			15403	Deiwert,	75

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N ₂	+	N ₂	15406	Lordi,	70
N ₂	+	CO ₂	13529	Barua,	70
N ₂ ⁺	+	Ar	7988	Garetz,	76
N ₂ ⁺	+	He	7988	Garetz,	76
N ₂ ⁺	+	SF ₆	7988	Garetz,	76
N ₂ ⁺¹	+	N ₂	14893	Mnatsakanyan,	70
NO	+	CO	13529	Barua,	70
Na ₂	+	Ar	12504	Bergmann,	72
Na ₂	+	He	12504	Bergmann,	72
Na ₂	+	Kr	12504	Bergmann,	72
Na ₂	+	Ne	12504	Bergmann,	72
Na ₂	+	Xe	12504	Bergmann,	72
			14106	Ramaswamy,	79
Na ₂	+	D ₂	12504	Bergmann,	72
Na ₂	+	H ₂	12504	Bergmann,	72
Na ₂	+	N ₂	12504	Bergmann,	72
Na ₂	+	CH ₄	12504	Bergmann,	72
O ₂	+	Ar	11187	Sorensen,	72
			15225	Ivanov,	71
O ₂	+	O ₂	10420	Gallagher,	74
			12020	Brau,	70
			12146	Annis,	71
			13529	Barua,	70
			15406	Lordi,	70
BrCN	+	BrCN	10688	Verter,	73
CO ₂	+	Ar	9081	Preston,	77
			12260	Preston,	78
			13529	Barua,	70
CO ₂	+	He	9200	Pack,	77
			12260	Preston,	78
CO ₂	+	CO ₂	9859	Li,	77
			10420	Gallagher,	74
			12146	Annis,	71
			14921	Jacobs,	74
CICN	+	CICN	10688	Verter,	73
DCN	+	DCN	11152	Prakash,	72
D ₂ O	+	D ₂ O	11931	Zelesnik,	70
HCN	+	Ar	10299	Verter,	74
HCN	+	Xe	10299	Verter,	74
HCN	+	HCN	10299	Verter,	74
			10688	Verter,	73
			11152	Prakash,	72
			11931	Zelesnik,	70
			11947	Rabitz,	70
H ₂ O	+	H ₂ O	10313	Agrawal,	74
			11931	Zelesnik,	70
H ₂ S	+	H ₂ S	10313	Agrawal,	74
			11931	Zelesnik,	70
ICN	+	ICN	11947	Rabitz,	70

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NH ₂	+	H	14776	Dixon, 79	- -	8129	Nyeland, 76
N ₂ H ⁺¹	+	He	7666	Green, 75		8130	Hopf, 76
OCS	+	Ar	10243	Liu, 75		8133	Bartis, 76
			10299	Verter, 74		8827	Pilling, 76
			13923	Green, 78		8931	Ficocelli Varracc7
OCS	+	He	10243	Liu, 75		9601	Yau, 77
			13923	Green, 78		9915	Schrepp, 77
OCS	+	Xe	10299	Verter, 74		10153	Curtiss, 77
OCS	+	HCl	10299	Verter, 74		10321	Liu, 75
OCS	+	H ₂	12764	Green, 78		10334	Pickett, 74
OCS	+	OCS	10265	Mehrotra, 75		10435	Pack, 74
			10299	Verter, 74		10588	Eastes, 73
			10688	Verter, 73		10903	St. Pierre, 73
SO ₂	+	SO ₂	11931	Zelevnik, 70		10997	Neilsen, 73
HDCO	+	HDCO	11152	Prakash, 72		11067	Fowler, 72
H ₂ CO	+	He	7012	Garrison, 75		11211	St. Pierre, 72
			8422	Garrison, 76		11380	Cross Jr., 71
			12008	Green, 78		11392	Olmsted, 71
H ₂ CO	+	HCl	6849	Foreman, 75		11393	Pattengill, 71
H ₂ CO	+	H ₂	6849	Foreman, 75		11946	Rabitz, 70
H ₂ CO	+	N ₂	6849	Foreman, 75		11959	Kelley, 70
H ₂ CO	+	CO ₂	6849	Foreman, 75		12065	Roberts, 70
H ₂ CO	+	H ₂ CO	11152	Prakash, 72		12089	Hayes, 71
H ₂ CO	+	NH ₃	6849	Foreman, 75		12511	Pack, 72
H ₂ CO	+	CHF ₃	6849	Foreman, 75		12628	Bottcher, 75
H ₂ CO	+	CH ₃ F	6849	Foreman, 75		12852	Lebed, 77
ND ₃	+	ND ₃	11931	Zelevnik, 70		12853	Herrick, 78
NH ₃	+	Xe	14729	Rundel, 79		12862	Borman, 77
NH ₃	+	D ₂	10409	Prakash, 74		13435	Englot, 74
NH ₃	+	HD	10409	Prakash, 74		14065	Pritchard, 79
NH ₃	+	H ₂	10409	Prakash, 74		14235	Itikawa, 78
NH ₃	+	N ₂	10409	Prakash, 74		14300	Tarr, 78
NH ₃	+	O ₂	10409	Prakash, 74		14775	Dixon, 79
NH ₃	+	NH ₃	10313	Agrawal, 74		14804	Feldmann, 79
			10409	Prakash, 74		14964	Gay, 74
			11931	Zelevnik, 70		14985	Bjerre, 71
						15073	Bhattacharyya, 79
C ₂ HCN	+	He	12764	Green, 78		15232	Cukrowski, 75
C ₂ H ₂ O	+	C ₂ H ₂ O	11152	Prakash, 72		15234	Cukrowski, 73
CHCl ₃	+	CHCl ₃	11931	Zelevnik, 70		15338	Podlubnyi, 72
CH ₃ Cl	+	CH ₃ Cl	11931	Zelevnik, 70		15437	Lester Jr., 70
CH ₄	+	CH ₄	10420	Gallagher, 74			
CH ₃ OH	+	CH ₃ OH	11931	Zelevnik, 70			
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			CO	+	O	8128	Smith, 76
			CO			15162	Taylor, 74
			DCI			14032	Smith, 77
			DCI	+	Br	8128	Smith, 76
			DCI	+	Cl	8128	Smith, 76
			DCI	+	O	8128	Smith, 76
			DF			14032	Smith, 77
			DF	+	Cl	8128	Smith, 76
			DF	+	F	8128	Smith, 76
REFERENCE							
HBr	+	Ne	14899	Safaryan, 72			
- -			7363	Bernstein, 75			
			8021	Penner, 75			
			8094	Gerasimov, 75			

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HBr		14032	Smith,	77	BaO	+	Ar	12033	Sakurai,	70	
HCl		14032	Smith,	77	BaO	+	He	12033	Sakurai,	70	
HCl	+	Br	8128	Smith,	76	BaO	+	N ₂	12033	Sakurai,	70
HCl	+	Cl	8128	Smith,	76	Br ₂	+	Ar	10926	Clarke,	73
HCl	+	O	8128	Smith,	76				15320	Generalov,	70
HF		14032	Smith,	77	Br ₂	+	He	10926	Clarke,	73	
HF	+	Cl	8128	Smith,	76				15320	Generalov,	70
HF	+	F	8128	Smith,	76	Br ₂	+	Ne	15320	Generalov,	70
HF	+	O	8128	Smith,	76	Br ₂	+	Xe	10926	Clarke,	73
H ₂		14032	Smith,	77				15320	Generalov,	70	
N ₂	+	He	5622	Taylor,	69	Br ₂	+	Br ₂	7740	McAfee Jr.,	76
N ₂	+	O	8128	Smith,	76	BrF	+	BrF	12967	Clyne,	78
N ₂	+	H ₂	5622	Taylor,	69	CN	+	Ar	7335	Washida,	75
N ₂	+	O ₂	5622	Taylor,	69	CN ⁺	+	Ar	8149	Tereshchenko,	75
N ₂	+	H ₂ O	5622	Taylor,	69	CN ⁺	+	He	8149	Tereshchenko,	75
N ₂		15162	Taylor,	74	CN ⁺	+	Ne	8149	Tereshchenko,	75	
NO		15162	Taylor,	74	CN ⁺	+	CO	8149	Tereshchenko,	75	
OH		15162	Taylor,	74	CN ⁺	+	H ₂	8149	Tereshchenko,	75	
O ₂	+	O	8128	Smith,	76	CN ⁺	+	N ₂	8149	Tereshchenko,	75
O ₂	+	N ₂	5622	Taylor,	69	CN ⁺	+	CH ₄	8149	Tereshchenko,	75
O ₂		15162	Taylor,	74	CO	+	Ar	5566	Center,	73	
CO ₂	+	He	5622	Taylor,	69				5854	Comes,	72
CO ₂	+	H ₂	5622	Taylor,	69				6060	Fink,	74
CO ₂	+	N ₂	5622	Taylor,	69				6088	Green,	73
CO ₂	+	CO ₂	5622	Taylor,	69				6640	Melton,	75
CO ₂	+	H ₂ O	5622	Taylor,	69				8206	Melton,	76
CO ₂		10210	Losev,	76				10888	Fontijn,	73	
		15162	Taylor,	74				10905	Slanger,	73	
H ₂ O	+	H ₂ O	5622	Taylor,	69				10963	Slanger,	73
H ₂ O		15162	Taylor,	74				11342	Just,	71	
O ₃		15162	Taylor,	74				11353	Young,	71	
Molecules		14035	Quack,	77	CO	+	Fe	12100	Von Rosenberg,	71	
- -		8001	Ormonde,	75	CO	+	H	12109	Von Rosenberg,	71	
		9189	Toennies,	76	CO	+	He	5382	Djeu,	72	
		10950	Gait,	76				5430	Berend,	73	
		15010	Bailey,	78				5854	Comes,	72	
		15164	Amme,	75				6060	Fink,	74	
		15273	Weitz,	74				6088	Green,	73	
		15450	Moore,	73				6124	Stephenson,	74	

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Ar	+	Na ₂	13582	Bergmann,	72	8206	Melton,	76
He	+	Na ₂	13582	Bergmann,	72	8292	Drozdoski,	76
Kr	+	Na ₂	13582	Bergmann,	72	10888	Fontijn,	73
Na	+	N ₂	9612	Eremin,	77	10905	Slaenger,	73
Ne	+	Na ₂	13582	Bergmann,	72	10963	Slaenger,	73
BaO	+	Ar	9771	Edelstein,	77	11353	Young,	71
						11982	Miller,	70
						12009	Grimbert,	78
						12459	Hancock,	71

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CO	+	He	14754	Allen, 79
			14820	Hancock, 71
CO	+	Kr	5854	Comes, 72
			6060	Fink, 74
			6640	Melton, 75
			8206	Melton, 76
			12009	Grimbert, 78
CO	+	Ne	5854	Comes, 72
			6060	Fink, 74
			6640	Melton, 75
			8206	Melton, 76
			15289	Borrell, 73
CO	+	O	5566	Center, 73
			5762	Eckstrom, 73
			12250	Lewittes, 78
CO	+	Xe	6640	Melton, 75
CO	+	Br ₂	8893	Davis, 76
CO	+	CN	8848	Ochkin, 76
CO	+	CO	5509	Stephenson, 73
			5536	Sackett, 73
			5618	Chackerian Jr., 73
			5800	Smith, 73
			5886	Slanger, 73
			5929	Powell, 73
			6124	Stephenson, 74
			6324	Fushiki, 74
			6352	Chackerian Jr., 73
			6640	Melton, 75
			6756	Liu, 75
			6764	Hancock, 74
			6777	Nachshon, 75
			6961	Powell, 75
			7336	Gower, 75
			7645	Brechignac, 75
			9816	Thomas, 77
			10362	Brechignac, 77
			10871	Dotchin, 73
			10920	Young, 73
			10963	Slanger, 73
			11013	Seery, 72
			11353	Young, 71
			11372	Wittig, 71
			12057	Yardley, 70
			12060	Brau, 70
			12109	Von Rosenberg, 71
			12459	Hancock, 71
			12524	Wittig, 72
			13149	Brechignac, 78
			14818	Margottin-Maclou, 71
			14820	Hancock, 71
CO	+	Cl ₂	6088	Green, 73
CO	+	DBr	8427	Braithwaite, 76
			10959	Zittel, 73
CO	+	DCl	8427	Braithwaite, 76

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CO	+	DCl	10959	Zittel, 73
CO	+	D ₂	5854	Comes, 72
			6088	Green, 73
			6640	Melton, 75
			8206	Melton, 76
			8292	Drozdoski, 76
			8484	Simpson, 76
			9414	Allen, 77
			9764	Doyennette, 77
			14754	Allen, 79
CO	+	DI	10959	Zittel, 73
CO	+	HBr	8427	Braithwaite, 76
CO	+	HCl	11375	Chen, 71
CO	+	HD	8427	Braithwaite, 76
			8292	Drozdoski, 76
			8440	Andrews, 76
			9414	Allen, 77
			14754	Allen, 79
CO	+	H ₂	5854	Comes, 72
			6088	Green, 73
			6124	Stephenson, 74
			6640	Melton, 75
			7334	Matsui, 75
			7647	Andrews, 75
			8206	Melton, 76
			8440	Andrews, 76
			9414	Allen, 77
			10963	Slanger, 73
			11982	Miller, 70
			14754	Allen, 79
CO	+	N ₂	5854	Comes, 72
			6088	Green, 73
			6124	Stephenson, 74
			7647	Andrews, 75
			8093	Mastrocinque, 76
			9593	Nasser, 77
			10888	Fontijn, 73
			10959	Zittel, 73
			10963	Slanger, 73
			14820	Hancock, 71
CO	+	NO	6088	Green, 73
			6335	Stephenson, 74
			9764	Doyennette, 77
			11353	Young, 71
			14820	Hancock, 71
CO	+	O ₂	5566	Center, 73
			6088	Green, 73
			6243	Miller, 74
			9764	Doyennette, 77
			11099	Fisher, 78
			12198	Price, 78
			12459	Hancock, 71
			14820	Hancock, 71
CO	+	CO ₂	5508	Kovacs, 73
			6712	Miller, 74
			7279	Starr, 75

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CO	+	CO ₂	12479	Lawrence,	71	CS	+	He	15296	Morley,	71
			14820	Hancock,	71	CS	+	D ₂	15296	Morley,	71
CO	+	CS ₂	5508	Kovacs,	73	CS	+	HD	15296	Morley,	71
			6764	Hancock,	74	CS	+	H ₂	15296	Morley,	71
			6765	Richman,	74	CS	+	CO ₂	15296	Morley,	71
CO	+	D ₂ O	6124	Stephenson,	74	CS	+	D ₂ O	15296	Morley,	71
CO	+	H ₂ O	6124	Stephenson,	74	CS	+	D ₂ S	15296	Morley,	71
CO	+	H ₂ S	6124	Stephenson,	74	CS	+	H ₂ O	15296	Morley,	71
CO	+	N ₂ O	6764	Hancock,	74	CS	+	H ₂ S	15296	Morley,	71
			14820	Hancock,	71	CS	+	N ₂ O	15296	Morley,	71
CO	+	NO ₂	6335	Stephenson,	74	CIF	+	Ar	12200	Santoro,	78
CO	+	OCS	5508	Kovacs,	73	Cs ₂	+	Cs	12113	Gordon,	71
			6764	Hancock,	74	CsF	+	Ar	11508	Bennewitz,	78
			12459	Hancock,	71	CsF	+	Kr	11508	Bennewitz,	78
			14820	Hancock,	71	CsF	+	Xe	11508	Bennewitz,	78
CO	+	O ₃	8898	Hui,	76	CsF	+	N ₂	11508	Bennewitz,	78
CO	+	SO ₂	5508	Kovacs,	73	CsF	+	CO ₂	11508	Bennewitz,	78
			8426	Braithwaite,	76	CsF	+	N ₂ O	11508	Bennewitz,	78
CO	+	C ₂ N ₂	6764	Hancock,	74	CsF	+	NH ₃	11508	Bennewitz,	78
			8426	Braithwaite,	76	DBr	+	DBr	11041	Chen,	72
CO	+	CBrF ₃	14362	Macke,	78				12024	Breshears,	70
CO	+	CD ₄	10959	Zittel,	73				13339	Horwitz,	78
CO	+	CF ₄	6088	Green,	73	DBr	+	DCl	10959	Zittel,	73
			7082	Richman,	75	DCl	+	Ar	6287	Steele Jr.,	74
			8426	Braithwaite,	76	DCl	+	Br	10959	Zittel,	73
CO	+	CH ₄	5508	Kovacs,	73	DCl	+	Cl	8360	Brown,	76
			6088	Green,	73	DCl	+	D	8986	Macdonald,	76
			6124	Stephenson,	74	DCl	+	H	7159	Brown,	75
			7082	Richman,	75	DCl	+	He	8088	Brown,	75
			8426	Braithwaite,	76	DCl	+	Ne	8986	Macdonald,	76
CO	+	HCO ₂ H	6124	Stephenson,	74	DCl	+	O	6287	Steele Jr.,	74
CO	+	C ₂ H ₄	6124	Stephenson,	74	DCl	+	CO	10959	Zittel,	73
CO	+	CH ₃ OH	6124	Stephenson,	74	DCl	+	DBr	7734	Bott,	76
CO	+	N ₂ O ₄	6335	Stephenson,	74	DCl	+	DCl	7734	Bott,	76
CO	+	CH ₃ CHO	6124	Stephenson,	74	DCl	+	He	6287	Steele Jr.,	74
CO	+	SF ₆	6088	Green,	73	DCl	+	Ne	10959	Zittel,	73
			6640	Melton,	75	DCl	+	O	6287	Steele Jr.,	74
			7082	Richman,	75	DCl	+	CO	10959	Zittel,	73
			8426	Braithwaite,	76	DCl	+	DBr	6677	Borrell,	75
CO	+	C ₂ H ₆	6124	Stephenson,	74	DCl	+	DCl	10959	Zittel,	73
CO	+	CH ₃ CO ₂ H	6124	Stephenson,	74	DCl	+	DI	10248	Bergmann,	75
CO	+	C ₂ H ₅ OH	6124	Stephenson,	74	DCl	+	D	11151	Thompson,	72
CO	+	C ₆ H ₆	12259	Frisbee,	78	DCl	+	H	12024	Breshears,	70
CO	+	C ₄ H ₁₀	6124	Stephenson,	74	DCl	+	He	12131	Chen,	71
CO ⁺	+	CO ₂	12094	Rosser Jr.,	71	DCl	+	Ne	13339	Horwitz,	78
CO ⁺	+	He	9772	Miller,	77	DCl	+	O	10959	Zittel,	73
			12951	Bondybey,	78	DCl	+	CO	10248	Bergmann,	75
CO ⁺	+	CO ⁺	10871	Dotchin,	73	DCl	+	DBr	11151	Thompson,	72
CS	+	Ar	14961	Couchouron,	73	DCl	+	DCl	12024	Breshears,	70
						DCl	+	DI	12131	Chen,	71
									13339	Horwitz,	78
									10959	Zittel,	73
									10248	Bergmann,	75

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DCI	+	HCl	12131	Chen, 71		DF	+	D ₂	14264	Bott, 79
DCI	+	HD	10959	Zittel, 73		DF	+	DF	5642	Ahl, 73
DCI	+	H ₂	10959	Zittel, 73					5860	Stephens, 72
DCI	+	N ₂	10959	Zittel, 73					5968	Errst, 73
DCI	+	CD ₄	5535	Zittel, 73					6286	Lucht, 74
DCI	+	CH ₄	5535	Zittel, 73					6361	Vasilev, 73
D ₂	+	Ar	5970	Lukasik, 74					6365	Bott, 74
			11951	Poulsen, 70					7157	Hancock, 75
D ₂	+	He	5378	Hopkins, 73					8286	Hancock, 76
			5426	Bird, 72					10489	Hinchen, 73
			5970	Lukasik, 74					10490	Bott, 73
			8909	Lukasik, 76					10568	Hinchen, 73
D ₂	+	CO	7334	Matsui, 75					10916	Bott, 73
D ₂	+	D ₂	5970	Lukasik, 74		DF	+	HBr	10395	Bott, 74
			6088	Green, 73		DF	+	HCl	10395	Bott, 74
			6242	Lukasik, 74		DF	+	HF	5642	Ahl, 73
			7334	Matsui, 75					6286	Lucht, 74
			8292	Drozdoski, 76					6976	Kwok, 75
			9764	Doyennette, 77					7223	Lucht, 75
			11156	Hopkins, 72					10195	Poole, 77
			11951	Poulsen, 70					10489	Hinchen, 73
D ₂	+	DF	10395	Bott, 74					10568	Hinchen, 73
			10489	Hinchen, 73					11144	Airey, 72
D ₂	+	HCl	6919	Bott, 75		DF	+	H ₂	14264	Bott, 79
			12132	Chen, 71					6763	Bott, 74
D ₂	+	HD	5970	Lukasik, 74					10489	Hinchen, 73
			11156	Hopkins, 72					10916	Bott, 73
D ₂	+	H ₂	5970	Lukasik, 74		DF	+	N ₂	14264	Bott, 79
			6242	Lukasik, 74					10194	Poole, 77
			11156	Hopkins, 72					10395	Bott, 74
			11951	Poulsen, 70					10489	Hinchen, 73
D ₂	+	Na ₂	13582	Bergmann, 72					10916	Bott, 73
D ₂	+	CO ₂	14274	Grimley, 79					14264	Bott, 79
DF	+	Ar	6361	Vasilev, 73		DF	+	NO	10395	Bott, 74
			7083	Bott, 75					11157	Blauer, 72
			8286	Hancock, 76		DF	+	O ₂	8141	Vasilev, 75
			10489	Hinchen, 73					10395	Bott, 74
			10490	Bott, 73		DF	+	CO ₂	5860	Stephens, 72
			10916	Bott, 73					6276	Lucht, 74
			15147	Blauer, 72					6770	Hinchen, 75
DF	+	F	10916	Bott, 73					7223	Lucht, 75
DF	+	He	7083	Bott, 75					10194	Poole, 77
			7157	Hancock, 75					10490	Bott, 73
			8141	Vasilev, 75					11144	Airey, 72
			10489	Hinchen, 73					14264	Bott, 79
DF	+	CO	10194	Poole, 77					14424	Brown, 79
			10395	Bott, 74					15336	Vasilev, 72
DF	+	DBr	10395	Bott, 74		DF	+	D ₂ O	10194	Poole, 77
DF	+	D ₂	6763	Bott, 74		DF	+	HCN	9232	McGarvey Jr., 77
			6976	Kwok, 75					10194	Poole, 77
			10489	Hinchen, 73		DI	+	DCl	10959	Zittel, 73

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DI	+	DI	12024	Breshears,	70
			12118	Breshears,	71
DI	+	N ₂	12118	Breshears,	71
F ₂	+	Ar	10426	Diebold,	74
F ₂	+	He	10261	Diebold,	75
F ₂	+	F ₂	10426	Diebold,	74
HBr	+	Ar	11374	Chen,	71
			15293	Donovan,	70
HBr	+	Br	8115	Karny,	76
			8986	Macdonald,	76
			15143	Donovan,	70
			15293	Donovan,	70
HBr	+	He	5670	Hopkins,	73
			11374	Chen,	71
			15293	Donovan,	70
HBr	+	Ne	11374	Chen,	71
HBr	+	Br ₂	8115	Karny,	76
			15293	Donovan,	70
HBr	+	CO	6677	Borrell,	75
			11375	Chen,	71
			15293	Donovan,	70
HBr	+	DBr	11041	Chen,	72
HBr	+	D ₂	11375	Chen,	71
HBr	+	HBr	5419	Burak,	72
			5642	Ahl,	73
			5949	Zittel,	73
			10560	Noter,	73
			11041	Chen,	72
			11374	Chen,	71
			12024	Breshears,	70
			12537	Hopkins,	72
			13339	Horwitz,	78
			15293	Donovan,	70
HBr	+	HCl	11374	Chen,	71
			15143	Donovan,	70
			15293	Donovan,	70
HBr	+	HD	5670	Hopkins,	73
HBr	+	HF	5642	Ahl,	73
HBr	+	H ₂	11374	Chen,	71
			15293	Donovan,	70
HBr	+	HI	11374	Chen,	71
HBr	+	N ₂	11375	Chen,	71
			15293	Donovan,	70
HBr	+	O ₂	11375	Chen,	71
HBr	+	H ₂ O	5670	Hopkins,	73
HBr	+	CD ₄	5670	Hopkins,	73
HBr	+	CH ₄	5670	Hopkins,	73
			15293	Donovan,	70
HBr	+	SF ₆	15293	Donovan,	70
HCl	+	Ar	5443	Seery,	73

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HCl	+	Ar	6287	Steele Jr.,	74
			12131	Chen,	71
HCl	+	Br	7312	Leone,	75
			7747	Karny,	76
			8360	Brown,	76
HCl	+	Cl	6636	Macdonald,	75
			7159	Brown,	75
			7747	Karny,	76
			8088	Brown,	75
			12475	Ridley,	71
HCl	+	D	7734	Bott,	76
HCl	+	H	7734	Bott,	76
HCl	+	He	5443	Seery,	73
			5926	Hopkins,	73
			6287	Steele Jr.,	74
			10959	Zittel,	73
			11170	Hopkins,	72
			12131	Chen,	71
HCl	+	Kr	5443	Seery,	73
			11170	Hopkins,	72
HCl	+	Ne	5443	Seery,	73
			6287	Steele Jr.,	74
			11170	Hopkins,	72
HCl	+	O	6656	Brown,	75
			7159	Brown,	75
			10225	Macdonald,	78
			12629	Karny,	75
HCl	+	Br ₂	7312	Leone,	75
HCl	+	CO	6444	Allee,	74
			6677	Borrell,	75
			7194	Seery,	75
			12132	Chen,	71
HCl	+	Cl ₂	6919	Bott,	75
HCl	+	DCl	12132	Chen,	71
HCl	+	D ₂	5926	Hopkins,	73
			6444	Allee,	74
			6919	Bott,	75
			11156	Hopkins,	72
HCl	+	DF	10395	Bott,	74
HCl	+	HBr	6919	Bott,	75
			12132	Chen,	71
HCl	+	HCl	5409	Burak,	72
			5539	Leone,	73
			5642	Ahl,	73
			5926	Hopkins,	73
			5949	Zittel,	73
			6918	Menard-Bourcin,	75
			8126	Slobodskaya,	75
			10560	Noter,	73
			11151	Thompson,	72
			11170	Hopkins,	72
			12024	Breshears,	70

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HCl	+	HCl	12131	Chen, 71	HF	+	Ar	6361	Vasilev, 73
			12505	Ambartsumian, 72				10489	Hinchen, 73
			13339	Horwitz, 78				11034	Hancock, 72
			14499	Horwitz, 79				11182	Hancock, 72
			14818	Margottin-Maclou, 71				11360	Bott, 71
HCl	+	HD	11156	Hopkins, 72				12458	Airey, 71
HCl	+	HF	5642	Ahl, 73	HF	+	Br	15092	Arutunov, 72
			6919	Bott, 75				7870	Wodarczyk, 76
HCl	+	H ₂	6042	Menard-Bourcin, 74	HF	+	Cl	7332	Quigley, 75
			6918	Menard-Bourcin, 75	HF	+	F	5793	Blair, 73
			6919	Bott, 75				6399	Quigley, 74
			12131	Chen, 71				7332	Quigley, 75
			14813	Rosen, 79				10390	Chen, 74
HCl	+	Hl	12132	Chen, 71				11343	Hess, 71
HCl	+	N ₂	6444	Allee, 74				11367	Bott, 71
			6919	Bott, 75	HF	+	H	15146	Solomon, 71
HCl	+	O ₂	9816	Thomas, 77				6399	Quigley, 74
			10959	Zittel, 73				7154	Heidner III, 75
HCl	+	CO ₂	8126	Slobodskaya, 75				9193	Bott, 77
			13336	Doyennette, 78				9405	Heidner III, 77
			14425	Bartoszek, 79				10390	Chen, 74
HCl	+	H ₂ O	12131	Chen, 71	HF	+	He	11096	Bott, 78
HCl	+	H ₂ S	7164	Coombe, 75				11343	Hess, 71
HCl	+	H ₂ Se	7164	Coombe, 75				6434	Bott, 74
HCl	+	N ₂ O	13336	Doyennette, 78				8141	Vasilev, 75
HCl	+	NOCl	12977	Doyennette, 78	HF	+	I	10489	Hinchen, 73
HCl	+	SOCl ₂	7164	Coombe, 75	HF	+	O	11343	Hess, 71
HCl	+	CD ₄	5535	Zittel, 73				6399	Quigley, 74
HCl	+	CH ₄	5535	Zittel, 73	HF	+	CO	7332	Quigley, 75
			12132	Chen, 71				5564	Bott, 73
HCl	+	HNO ₃	7164	Coombe, 75	HF	+	Cl ₂	10194	Poole, 77
HCl	+	NO ₃ Cl	7164	Coombe, 75	HF	+	ClF	15147	Blauer, 72
HCl	+	SiHCl ₃	7164	Coombe, 75	HF	+	DBr	6434	Bott, 74
HCl	+	SiH ₂ Cl ₂	7164	Coombe, 75	HF	+	D ₂	6434	Bott, 74
HCl	+	C ₂ H ₂ Cl ₂	7164	Coombe, 75				5564	Bott, 73
HCl	+	CF ₃ OCl	7164	Coombe, 75				10195	Poole, 77
HCl	+	PF ₃ H ₂	7164	Coombe, 75				11034	Hancock, 72
HCl	+	HCl	14822	Gorshkov, 71	HF	+	DF	11182	Hancock, 72
HD	+	Ar	6921	Simpson, 75				11360	Bott, 71
HD	+	Cl	7332	Quigley, 75				13963	Douglas, 79
HD	+	F	7332	Quigley, 75				5564	Bott, 73
HD	+	He	11016	Fink, 72				5642	Ahl, 73
HD	+	Ne	11016	Fink, 72				6286	Lucht, 74
HD	+	O	7332	Quigley, 75	HF	+	F ₂	7157	Hancock, 75
HD	+	HD	11156	Hopkins, 72				7223	Lucht, 75
HD	+	CO ₂	14274	Grimley, 79				8286	Hancock, 76
HF	+	Ar	5793	Blair, 73				10489	Hinchen, 73
								6149	Hancock, 73
								10390	Chen, 74
								11343	Hess, 71
								12458	Airey, 71

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HF	+	F ₂	14919	Fried, 73
HF	+	HBr	5564	Bott, 73
			5642	Ahl, 73
HF	+	HCl	5564	Bott, 73
			5642	Ahl, 73
			8861	Bott, 76
			11157	Blauer, 72
HF	+	HD	10195	Poole, 77
HF	+	HF	5642	Ahl, 73
			5793	Blair, 73
			5860	Stephens, 72
			6017	Osgood Jr., 74
			6149	Hancock, 73
			6278	Kwok, 74
			6286	Lucht, 74
			6361	Vasilev, 73
			6365	Bott, 74
			6976	Kwok, 75
			7157	Hancock, 75
			8815	Hinchen, 76
			9098	Rityn, 76
			9417	Schmailzl, 77
			10195	Poole, 77
			10390	Chen, 74
			10489	Hinchen, 73
			10568	Hinchen, 73
			11034	Hancock, 72
			11129	Bott, 72
			11144	Airey, 72
			11151	Thompson, 72
			11182	Hancock, 72
			11343	Hess, 71
			11360	Bott, 71
			11894	Douglas, 78
			12458	Airey, 71
			14826	Osgood Jr., 72
			14919	Fried, 73
			15092	Arutyunov, 72
			15146	Solomon, 71
			15147	Blauer, 72
HF	+	H ₂	5564	Bott, 73
			6149	Hancock, 73
			6278	Kwok, 74
			6763	Bott, 74
			8861	Bott, 76
			10195	Poole, 77
			10390	Chen, 74
			10489	Hinchen, 73
			11034	Hancock, 72
			11182	Hancock, 72
			11343	Hess, 71
			13963	Douglas, 79
			15092	Arutyunov, 72
HF	+	HI	5642	Ahl, 73
HF	+	N ₂	5564	Bott, 73
			5674	Sentman, 73

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HF	+	N ₂	8861	Bott, 76
			10194	Poole, 77
			11034	Hancock, 72
			11182	Hancock, 72
			11360	Bott, 71
			12458	Airey, 71
			14919	Fried, 73
			15092	Arutyunov, 72
			15147	Blauer, 72
HF	+	NO	5564	Bott, 73
			11157	Blauer, 72
HF	+	O ₂	5564	Bott, 73
			8141	Vasilev, 75
			8861	Bott, 76
			10194	Poole, 77
			15147	Blauer, 72
HF	+	CO ₂	5564	Bott, 73
			5860	Stephens, 72
			6276	Lucht, 74
			6478	Kwok, 74
			7223	Lucht, 75
			8486	Nikitin, 76
			10194	Poole, 77
			11034	Hancock, 72
			11144	Airey, 72
			11182	Hancock, 72
			13963	Douglas, 79
			14052	Arnold, 78
			14424	Brown, 79
			15336	Vasilev, 72
HF	+	D ₂ O	10194	Poole, 77
			11157	Blauer, 72
			11182	Hancock, 72
HF	+	HCN	9232	McGarvey Jr., 77
			10194	Poole, 77
HF	+	H ₂ O	10194	Poole, 77
			11157	Blauer, 72
			11182	Hancock, 72
HF	+	H ₂ S	6434	Bott, 74
			6478	Kwok, 74
HF	+	N ₂ O	6434	Bott, 74
			6478	Kwok, 74
			10194	Poole, 77
HF	+	SO ₂	6434	Bott, 74
HF	+	BF ₃	6434	Bott, 74
HF	+	C ₂ H ₂	5621	Anlauf, 73
HF	+	COF ₂	6434	Bott, 74
HF	+	ClF ₃	6149	Hancock, 73
HF	+	NF ₃	6149	Hancock, 73
			6434	Bott, 74
HF	+	NH ₃	10194	Poole, 77
HF	+	CBrF ₃	6434	Bott, 74
HF	+	CF ₄	6149	Hancock, 73

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HF	+	CF ₄	6434	Bott, 74
			6478	Kwok, 74
			14052	Arnold, 78
HF	+	CH ₄	5621	Anlauf, 73
			6149	Hancock, 73
			6478	Kwok, 74
			10194	Poole, 77
			14052	Arnold, 78
HF	+	SO ₂ F ₂	6434	Bott, 74
HF	+	SiF ₄	6434	Bott, 74
HF	+	C ₂ HF ₃	14052	Arnold, 78
HF	+	C ₂ H ₂ F ₂	14052	Arnold, 78
HF	+	C ₂ H ₃ F	14052	Arnold, 78
HF	+	C ₂ H ₄	5621	Anlauf, 73
			14052	Arnold, 78
HF	+	PF ₅	6434	Bott, 74
HF	+	SF ₆	6149	Hancock, 73
			6434	Bott, 74
			6478	Kwok, 74
			10194	Poole, 77
			14919	Fried, 73
HF	+	C ₂ F ₆	6434	Bott, 74
HF	+	C ₂ H ₆	5621	Anlauf, 73
			6149	Hancock, 73
			14052	Arnold, 78
HF	+	C ₃ H ₆	6149	Hancock, 73
HF	+	C ₃ H ₈	5621	Anlauf, 73
			6149	Hancock, 73
HF	+	C ₄ F ₈	6434	Bott, 74
HF	+	C ₄ H ₁₀	6149	Hancock, 73
HF [*]	+	H ₂	12130	Perona, 71
HF [*]	+	OF ₂	12130	Perona, 71
H ₂	+	Ar	6495	Dove, 74
H ₂	+	H	12515	Heidner III, 72
H ₂	+	He	6395	Audibert, 74
			6495	Dove, 74
			6752	McGuire, 75
			7672	Audibert, 76
H ₂	+	Kr	6495	Dove, 74
H ₂	+	Ne	6495	Dove, 74
H ₂	+	CO	7334	Matsui, 75
			9274	Miller, 77
			14760	Miller, 76
H ₂	+	DBr	9274	Miller, 77
			14760	Miller, 76
H ₂	+	DCl	9274	Miller, 77
			14760	Miller, 76
H ₂	+	D ₂	8439	Pirkle, 76
			8859	Bott, 76
			11951	Poulsen, 70

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H ₂	+	HBr	9274	Miller, 77
			14760	Miller, 76
H ₂	+	HCl	8439	Pirkle, 76
			8859	Bott, 76
			9274	Miller, 77
			14760	Miller, 76
H ₂	+	HF	10489	Hinchin, 73
			11034	Hancock, 72
			11182	Hancock, 72
H ₂	+	H ₂	5885	Jennings, 73
			6061	Audibert, 74
			6495	Dove, 74
			6601	Audibert, 75
			7334	Matsui, 75
			9786	Delalande, 77
			11951	Poulsen, 70
H ₂	+	N ₂	8859	Bott, 76
H ₂	+	NO	9274	Miller, 77
			14760	Miller, 76
H ₂	+	Na ₂	13582	Bergmann, 72
H ₂	+	CO ₂	8859	Bott, 76
			9274	Miller, 77
			14274	Grimley, 79
			14760	Miller, 76
H ₂	+	HCN	9232	McGarvey Jr., 77
H ₂	+	N ₂ O	9274	Miller, 77
			14760	Miller, 76
H ₂	+	Ar	5432	Audibert, 73
H ₂	+	He	5432	Audibert, 73
H ₂	⁺	He	10414	Theard, 74
H ₂	⁺	Kr	13164	Herrero, 72
H ₂	⁺	H ₂	13164	Herrero, 72
HI	+	CO	6677	Borrell, 75
HI	+	HF	5642	Ahl, 73
HI	+	HI	5642	Ahl, 73
			12024	Breshears, 70
			12118	Breshears, 71
HI	+	N ₂	12118	Breshears, 71
He ₂	+	He ₂	15295	Callear, 70
I ₂	+	Ar	6852	Tachibana, 74
I ₂	+	He	14546	McClelland, 79
I ₂	+	He	14546	McClelland, 79
I ₂	+	CO	14563	Sharfin, 79
I ₂	+	D ₂	14546	McClelland, 79
I ₂	+	H ₂	14546	McClelland, 79
I ₂	+	I ₂	14546	McClelland, 79
I ₂	+	N ₂	14546	McClelland, 79

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I ₂	+	CO ₂	14546	McClelland,	79
I ₂	+	CF ₄	14546	McClelland,	79
I ₂	+	CH ₄	14546	McClelland,	79
I ₂	+	C ₂ F ₆	14546	McClelland,	79
I ₂	+	C ₂ H ₆	14546	McClelland,	79
I ₂	+	C ₃ H ₈	14546	McClelland,	79
I ₂	+	Ar	6660	Bugrim,	74
			11980	Kurzel,	70
			11981	Steinfeld,	70
I ₂	+	He	6660	Bugrim,	74
			11980	Kurzel,	70
			11981	Steinfeld,	70
I ₂	+	Kr	6660	Bugrim,	74
			11980	Kurzel,	70
			11981	Steinfeld,	70
I ₂	+	Ne	6660	Bugrim,	74
			11027	Kurzel,	72
			11980	Kurzel,	70
			11981	Steinfeld,	70
I ₂	+	Xe	11980	Kurzel,	70
			11981	Steinfeld,	70
I ₂	+	CO	6660	Bugrim,	74
I ₂	+	H ₂	6660	Bugrim,	74
			11980	Kurzel,	70
I ₂	+	I ₂	11027	Kurzel,	72
			11980	Kurzel,	70
			11981	Steinfeld,	70
I ₂	+	N ₂	6660	Bugrim,	74
I ₂	+	O ₂	6660	Bugrim,	74
I ₂	+	CO ₂	6660	Bugrim,	74
			11980	Kurzel,	70
KBr	+	Ar	9379	Crim,	73
			12551	Chou,	73
KBr	+	Ne	9379	Crim,	73
KBr	+	CO	9379	Crim,	73
KBr	+	N ₂	9379	Crim,	73
KBr	+	CO ₂	9379	Crim,	73
			12551	Chou,	73
LiF	+	Ar	7325	Mariella Jr.,	74
			9810	Mariella Jr.,	77
			11508	Bennewitz,	78
LiF	+	Xe	7325	Mariella Jr.,	74
LiF	+	CO	7325	Mariella Jr.,	74
LiF	+	HCl	7325	Mariella Jr.,	74
LiF	+	HF	7325	Mariella Jr.,	74
LiF	+	N ₂	7325	Mariella Jr.,	74
			11508	Bennewitz,	78
LiF	+	NO	7325	Mariella Jr.,	74
LiF	+	O ₂	7325	Mariella Jr.,	74

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LiF	+	CO ₂	7325	Mariella Jr.,	74
			11508	Bennewitz,	78
LiF	+	H ₂ O	7325	Mariella Jr.,	74
LiF	+	ND ₃	7325	Mariella Jr.,	74
			9810	Mariella Jr.,	77
LiF	+	NH ₃	7325	Mariella Jr.,	74
			9810	Mariella Jr.,	77
LiF	+	CHFCl ₂	7325	Mariella Jr.,	74
LiF	+	SF ₆	7325	Mariella Jr.,	74
			9810	Mariella Jr.,	77
			10971	Mariella Jr.,	73
			11508	Bennewitz,	78
Li ₂	+	Ar	6150	Ennen,	74
Li ₂	+	He	6150	Ennen,	74
Li ₂	+	Kr	6150	Ennen,	74
Li ₂	+	Ne	6150	Ennen,	74
Li ₂	+	Xe	6150	Ennen,	74
N ₂	+	Ar	7084	Roy,	75
			11580	Touzeau,	78
			12062	Brown,	70
N ₂	+	Cs	6291	Benson,	74
N ₂	+	He	7084	Roy,	75
			15299	Callear,	71
N ₂	+	K	6291	Benson,	74
N ₂	+	Kr	7084	Roy,	75
N ₂	+	Li	6291	Benson,	74
N ₂	+	Na	6291	Benson,	74
N ₂	+	Ne	7084	Roy,	75
N ₂	+	O	6279	McNeal,	74
N ₂	+	Xe	7084	Roy,	75
N ₂	+	CO	5762	Eckstrom,	73
			5862	Zittel,	72
			11039	Von Rosenberg,	72
			11183	Young,	72
N ₂	+	Dl	12118	Breshears,	71
N ₂	+	HBr	11375	Chen,	71
N ₂	+	HI	12118	Breshears,	71
N ₂	+	N ₂	6767	Dreyer,	74
			10556	Kewley,	73
			10871	Dotchin,	73
			10996	Simpson,	73
			11132	Carlson,	72
			11945	Mitchell,	70
			11971	Hanson,	70
			12054	Miyama,	70
			12062	Brown,	70
			13278	Lyutui,	73
N ₂	+	NO	6335	Stephenson,	74
			9083	Whitson Jr.,	77

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N ₂	+	Na ₂	13582	Bergmann, 72
N ₂	+	O ₂	5762	Eckstrom, 73
			11945	Mitchell, 70
N ₂	+	CO ₂	10993	Bulthuis, 73
			11028	Oettinger, 72
			15157	Schmalz, 74
N ₂	+	H ₂ O	9083	Whitson Jr., 77
			11039	Von Rosenberg, 72
			11313	Center, 78
			15157	Schmalz, 74
			15373	Evans, 72
N ₂	+	O ₃	5762	Eckstrom, 73
N ₂	+	SO ₂	11098	Whitson Jr., 78
N ₂	+	O	5393	McNeal, 72
N ₂	+	CO	12119	Horn, 71
N ₂	+	N ₂	12098	Calo, 71
			12592	Brennen, 74
N ₂	+	NO	12119	Horn, 71
N ₂	+	CO ₂	5394	McNeal, 72
N ₂	+	N ₂ O	5394	McNeal, 72
N ₂	+	OCS	12578	Bogey, 74
N ₂ ⁺¹	+	N ₂ ⁺¹	10871	Dotchin, 73
NO	+	Ar	5671	Stephenson, 73
			7328	Glanzer, 75
			9415	Glanzer, 77
			9616	Glanzer, 77
			11962	Kamimoto, 70
			13247	Slobodskaya, 70
NO	+	Cl	7328	Glanzer, 75
NO	+	He	5671	Stephenson, 73
			6335	Stephenson, 74
NO	+	I	8905	Glanzer, 76
NO	+	O	7328	Glanzer, 75
NO	+	CO	5671	Stephenson, 73
			6290	Weeks, 74
			13247	Slobodskaya, 70
			15298	Billingsley, 71
NO	+	DCl	10959	Zittel, 73
NO	+	HCl	10959	Zittel, 73
NO	+	H ₂	5671	Stephenson, 73
NO	+	N ₂	5671	Stephenson, 73
			7107	Murphy, 75
			13247	Slobodskaya, 70
			15298	Billingsley, 71
NO	+	NO	5507	Amme, 73
			5619	Bass, 73
			5671	Stephenson, 73
			6290	Weeks, 74
			6335	Stephenson, 74
			7328	Glanzer, 75
			9415	Glanzer, 77

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NO	+	NO	9616	Glanzer, 77
			9816	Thomas, 77
			10292	Nachshon, 74
			10561	Melton, 73
			11247	Patel, 78
			11962	Kamimoto, 70
			13247	Slobodskaya, 70
			15022	Horiguchi, 79
NO	+	O ₂	7107	Murphy, 75
			9407	Stephenson, 76
			9816	Thomas, 77
NO	+	CO ₂	5671	Stephenson, 73
			13247	Slobodskaya, 70
NO	+	D ₂ O	6335	Stephenson, 74
NO	+	H ₂ O	6335	Stephenson, 74
NO	+	NO ₂	6335	Stephenson, 74
			7328	Glanzer, 75
NO	+	O ₃	12856	Bar-Ziv, 78
NO	+	CH ₄	6335	Stephenson, 74
NO	+	C ₂ H ₄	6335	Stephenson, 74
NO	+	CF ₃ NO	11999	Roellig, 78
NO	+	C ₂ H ₆	6335	Stephenson, 74
NO	+	C ₄ H ₁₀	6335	Stephenson, 74
NO ⁺¹	+	N ₂	12242	Bien, 78
NO ⁺¹	+	NO	12242	Bien, 78
OD	+	H ₂	8121	German, 76
OD	+	N ₂	8121	German, 76
OD	+	O ₂	8121	German, 76
OH	+	Ar	6661	Hogan, 75
			7659	Streit, 76
			14610	Lengel, 78
OH	+	He	6661	Hogan, 75
			14610	Lengel, 78
OH	+	D ₂	7659	Streit, 76
			14610	Lengel, 78
OH	+	H ₂	6661	Hogan, 75
			7659	Streit, 76
			8121	German, 76
OH	+	N ₂	6661	Hogan, 75
			7659	Streit, 76
			8121	German, 76
			14610	Lengel, 78
OH	+	O ₂	7659	Streit, 76
			8121	German, 76
OH ⁺	+	Ar	6950	Lengel, 75
			11930	Welge, 70
OH ⁺	+	He	6950	Lengel, 75
OH ⁺	+	D ₂	6950	Lengel, 75
OH ⁺	+	H ₂	6950	Lengel, 75

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OH ⁺	+	N ₂	6950	Lengel,	75	CO ₂	+	Ar	9414	Allen,	77
			11930	Welge,	70				11249	Vasilev,	77
OH ⁺	+	O ₂	11344	Worley,	71				11963	Kamimoto,	70
O ₂	+	He	6623	Parker,	75				12120	Stephenson,	71
			11056	Parker,	72				14988	Cannemeijer,	71
O ₂	+	O	5620	Breen,	73	CO ₂	+	Cl	6641	Buchwald,	75
			5861	Webster III,	72	CO ₂	+	Cs	6291	Benson,	74
O ₂	+	DCl	10959	Zittel,	73	CO ₂	+	D	6641	Buchwald,	75
O ₂	+	HCl	10959	Zittel,	73	CO ₂	+	F	6641	Buchwald,	75
O ₂	+	H ₂	11056	Parker,	72	CO ₂	+	H	6641	Buchwald,	75
O ₂	+	O ₂	10298	Parker,	74	CO ₂	+	He	5438	Rosser Jr.,	72
			10564	Cleaver,	73				5804	Reid,	73
			10906	Parker,	73				6016	Cannemeijer,	73
			10924	Frankiewicz,	73				6628	Huetz-Aubert,	74
			11021	Anderson,	72				6673	Biryukov,	74
			15239	Ismailov,	70				6934	Inoue,	75
			15372	Parker,	72				7729	Simpson,	76
			15376	Dean,	73				7730	Simpson,	76
O ₂	+	CO ₂	10882	Parker,	73				12120	Stephenson.	71
O ₂	+	H ₂ O	9004	Bass,	76				12538	Rao,	72
			15376	Dean,	73				12627	Aung,	75
			15377	Bass,	74				13438	Jacobs,	75
O ₂	+	O ₃	10191	Parker,	77				14988	Cannemeijer,	71
			10882	Parker,	73				15278	Biryukov,	72
O ₂ ⁺	+	O	11169	Webster III,	72	CO ₂	+	K	6291	Benson.	74
O ₂ ⁺	+	O ₂	15081	Schurath,	75	CO ₂	+	Kr	5499	Cannemeijer,	73
O ₂ ⁺	+	CO ₂	5534	Bass,	73				6016	Cannemeijer,	73
S ₂ ⁺	+	Ar	12946	Caughey,	78				6628	Huetz-Aubert,	74
S ₂ ⁺	+	He	12946	Caughey,	78				12120	Stephenson,	71
S ₂ ⁺	+	Kr	12946	Caughey,	78	CO ₂	+	Li	6291	Benson,	74
S ₂ ⁺	+	Ne	12946	Caughey,	78	CO ₂	+	N	6641	Buchwald,	75
S ₂ ⁺	+	Xe	12946	Caughey,	78	CO ₂	+	Na	6291	Benson,	74
S ₂ ⁺	+	H ₂	12946	Caughey,	78	CO ₂	+	Ne	7155	Benson,	75
S ₂ ⁺	+	N ₂	12946	Caughey,	78				5499	Cannemeijer,	73
TF	+	CO ₂	8486	Nikitin,	76				6016	Cannemeijer,	73
Xe ₂ ⁺	+	Kr	12616	Fink,	75				6628	Huetz-Aubert,	74
Xe ₂ ⁺	+	Xe	12616	Fink,	75				6934	Inoue,	75
CF ₂ ⁺	+	He	14798	Akins,	79	CO ₂	+	O	12120	Stephenson,	71
CF ₂ ⁺	+	Ne	14798	Akins,	79				5795	Center,	73
CF ₂ ⁺	+	N ₂	14798	Akins,	79				5965	Cramp,	73
CF ₂ ⁺	+	SF ₆	14798	Akins,	79	CO ₂	+	Xe	6641	Buchwald,	75
CH ₂	+	CF ₄	12500	Hase,	71				5438	Rosser Jr.,	72
CO ₂	+	Ar	5458	Matsui,	73				5499	Cannemeijer,	73
			5499	Cannemeijer,	73				6016	Cannemeijer,	73
			5795	Center,	73				6628	Huetz-Aubert,	74
			6016	Cannemeijer,	73				12120	Stephenson,	71
			6628	Huetz-Aubert,	74	CO ₂	+	Br ₂	8893	Davis,	76
			6934	Inoue,	75				10098	Hariri,	77
			9114	Allen,	77	CO ₂	+	CO	5869	Borrell,	72
									7068	Chakroun,	75
									7162	Inoue,	75

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CO ₂	+	CO	8146	Vargin, 75
			8858	Taine, 76
			8896	Vargin, 76
			11013	Seery, 72
			11024	Stephenson, 72
			11818	Huetz-Aubert, 78
			12962	Taine, 78
			14948	Sato, 72
CO ₂	+	DBr	5863	Stephenson, 72
CO ₂	+	DCl	5863	Stephenson, 72
CO ₂	+	D ₂	7729	Simpson, 76
			7730	Simpson, 76
			9097	Tsuchiya, 76
			11024	Stephenson, 72
			14274	Grimley, 79
			15258	Simpson, 70
CO ₂	+	DF	5860	Stephens, 72
			6276	Lucht, 74
			6770	Hinchen, 75
			10490	Bott, 73
			11015	Chang, 72
CO ₂	+	DI	5863	Stephenson, 72
CO ₂	+	F ₂	11249	Vasilev, 77
CO ₂	+	HBr	5863	Stephenson, 72
			14287	Seoudi, 79
CO ₂	+	HCl	5863	Stephenson, 72
			8126	Slobodskaya, 75
			13336	Doyennette, 78
CO ₂	+	HD	7729	Simpson, 76
			7730	Simpson, 76
			12120	Stephenson, 71
			14274	Grimley, 79
CO ₂	+	HF	5860	Stephens, 72
			6276	Lucht, 74
			7223	Lucht, 75
			11015	Chang, 72
			11034	Hancock, 72
			11182	Hancock, 72
CO ₂	+	H ₂	7729	Simpson, 76
			9097	Tsuchiya, 76
			12120	Stephenson, 71
			12464	Behnen, 71
			14274	Grimley, 79
			14534	Bass, 79
			15258	Simpson, 70
			15259	Simpson, 71
CO ₂	+	HI	5863	Stephenson, 72
CO ₂	+	N ₂	4773	Domnin, 72
			5438	Rosser Jr., 72
			6337	Cannemeijer, 74
			6673	Biryukov, 74
			7162	Inoue, 75
			7171	Gueguen, 75
			8896	Vargin, 76

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CO ₂	+	N ₂	10138	Bass, 77
			10973	Shields, 73
			11015	Chang, 72
			11024	Stephenson, 72
			11028	Oettinger, 72
			11818	Huetz-Aubert, 78
			12538	Rao, 72
			12627	Aung, 75
			12962	Taine, 78
			13438	Jacobs, 75
			14948	Sato, 72
			15258	Simpson, 70
			15277	Yushchenkova, 72
			15278	Biryukov, 72
			15327	Biryukov, 71
CO ₂	+	O ₂	4773	Domnin, 72
			5795	Center, 73
			6337	Cannemeijer, 74
			8146	Vargin, 75
			9174	Simpson, 77
			9816	Thomas, 77
			10886	Rosen, 73
			11024	Stephenson, 72
			12962	Taine, 78
CO ₂	+	CO ₂	4773	Domnin, 72
			5438	Rosser Jr., 72
			5499	Cannemeijer, 73
			5756	Slobodskaya, 73
			5804	Reid, 73
			5805	Stark Jr., 73
			5853	Eckstrom, 72
			5856	Huetz-Aubert, 72
			6016	Cannemeijer, 73
			6575	Sepucha, 75
			6628	Huetz-Aubert, 74
			6673	Biryukov, 74
			6719	Huetz-Aubert, 74
			6784	Doyennette, 75
			6974	Finzi, 75
			7278	Slobodskaya, 75
			7291	Vargin, 75
			7730	Simpson, 76
			8858	Taine, 76
			9114	Allen, 77
			9414	Allen, 77
			9574	Lepoutre, 77
			10138	Bass, 77
			10268	Murray, 75
			10397	Doyennette, 74
			10973	Shields, 73
			10993	Bulthuis, 73
			11366	Seeber, 71
			11960	Eckstrom, 70
			11963	Kamimoto, 70
			12045	Stephenson, 70
			12538	Rao, 72
			12557	Bulthuis, 73

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CO ₂	+	CO ₂	12627	Aung,	75
			13438	Jacobs,	75
			14362	Macke,	78
			14426	Foster,	79
			14818	Margottin-Maclou,	71
			14920	Burak,	73
			14988	Cannemeijer,	71
			15250	Lavercomb,	71
			15258	Simpson,	70
			15278	Biryukov,	72
			15327	Biryukov,	71
CO ₂	+	CS ₂	11055	Stephenson,	72
CO ₂	+	D ₂ O	10993	Bulthuis,	73
			12025	Heller,	70
			12512	Bulthuis,	72
CO ₂	+	HCN	11055	Stephenson,	72
CO ₂	+	HDO	12025	Heller,	70
CO ₂	+	H ₂ O	5438	Rosser Jr.,	72
			7291	Vargin,	75
			10993	Bulthuis,	73
			12025	Heller,	70
			12512	Bulthuis,	72
			15184	Bulthuis,	71
			15238	Bashlachev,	72
			15327	Biryukov,	71
CO ₂	+	H ₂ Se	11055	Stephenson,	72
CO ₂	+	N ₂ O	5869	Borrell,	72
			11024	Stephenson,	72
CO ₂	+	NOF	5578	Cool,	73
CO ₂	+	NO ₂	5578	Cool,	73
CO ₂	+	OCS	5869	Borrell,	72
			11055	Stephenson,	72
CO ₂	+	O ₃	5578	Cool,	73
			5751	Von Rosenberg,	73
			5795	Center,	73
CO ₂	+	BCl ₃	6603	Oettinger,	75
			12045	Stephenson,	70
CO ₂	+	C ₂ D ₂	11055	Stephenson,	72
CO ₂	+	C ₂ N ₂	11055	Stephenson,	72
CO ₂	+	COF ₂	5578	Cool,	73
CO ₂	+	CBrF ₃	14362	Macke,	78
CO ₂	+	CD ₃ Cl	11055	Stephenson,	72
CO ₂	+	CD ₄	5797	Walsh,	73
			11055	Stephenson,	72
			13350	Mehl,	78
CO ₂	+	CD ₃ H	13350	Mehl,	78
CO ₂	+	CD ₃ I	11055	Stephenson,	72
CO ₂	+	CF ₃ I	14362	Macke,	78
CO ₂	+	CH ₂ D ₂	11055	Stephenson,	72
			13350	Mehl,	78
CO ₂	+	CH ₃ Br	12045	Stephenson,	70

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CO ₂	+	CH ₃ Cl	12045	Stephenson,	70
CO ₂	+	CH ₃ D	13350	Mehl,	78
CO ₂	+	CH ₃ F	5797	Walsh,	73
			12045	Stephenson,	70
CO ₂	+	CH ₄	5797	Walsh,	73
			12045	Stephenson,	70
			13350	Mehl,	78
			15237	Laidahon,	73
CO ₂	+	CH ₃ I	12045	Stephenson,	70
CO ₂	+	C ₂ D ₄	11055	Stephenson,	72
CO ₂	+	C ₂ H ₄	11656	Rao,	78
			12045	Stephenson,	70
CO ₂	+	CHDCHD	11055	Stephenson,	72
CO ₂	+	CH ₃ CN	11055	Stephenson,	72
CO ₂	+	PF ₅	6603	Oettinger,	75
CO ₂	+	SF ₆	6603	Oettinger,	75
			11024	Stephenson,	72
			12045	Stephenson,	70
CO ₂	+	C ₂ F ₅ Br	14362	Macke,	78
CO ₂	+	C ₂ F ₅ I	14362	Macke,	78
CO ₂	+	C ₂ H ₆	6391	Veerabhadra Rao,	74
			11055	Stephenson,	72
			11656	Rao,	78
CO ₂	+	C ₂ N ₄ H ₂	14628	Coulter,	78
CO ₂	+	C ₃ H ₈	11055	Stephenson,	72
CO ₂	+	CO	12094	Rosser Jr.,	71
CO ₂	+	Cl ₂	12134	Rosser Jr.,	71
CO ₂	+	H ₂	12134	Rosser Jr.,	71
CO ₂	+	NO	12134	Rosser Jr.,	71
CO ₂	+	O ₂	5534	Bass,	73
CO ₂	+	CO ₂	5534	Bass,	73
			11054	Seery,	72
			12134	Rosser Jr.,	71
CO ₂	+	D ₂ O	15302	Buchwald,	72
CO ₂	+	H ₂ O	15302	Buchwald,	72
CS ₂	+	Br ₂	10098	Hariri,	77
CS ₂	+	CS ₂	6764	Hancock,	74
D ₂ O	+	O ₂	9816	Thomas,	77
D ₂ O	+	D ₂ O	12247	Grimley,	78
HCN	+	Ar	8418	Hariri,	76
			9232	McGarvey Jr.,	77
HCN	+	He	9232	McGarvey Jr.,	77
HCN	+	Br ₂	8418	Hariri,	76
HCN	+	DF	9232	McGarvey Jr.,	77
HCN	+	HF	9232	McGarvey Jr.,	77
HCN	+	N ₂	9232	McGarvey Jr.,	77
HCN	+	CO ₂	13925	Coulter,	78
			14628	Coulter,	78

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HCN	+	HCN	8418	Hariri, 76	N ₂ O	+	N ₂ O	7365	Kung, 75
			9232	McGarvey Jr., 77				10397	Doyennette, 74
HCN	+	C ₂ N ₄ H ₂	13925	Coulter, 78				14426	Foster, 79
			14628	Coulter, 78				14818	Margottin-Maclou, 71
HCO	+	H ₂ CO	14360	Reilly, 78	N ₂ O	+	CD ₄	15378	Arditi, 70
			14625	Reilly, 78				13350	Mehl, 78
H ₂ O	+	Ar	6602	Kung, 75	N ₂ O	+	CD ₃ H	13350	Mehl, 78
			9004	Bass, 76				13350	Mehl, 78
			9005	Keeton, 76	N ₂ O	+	CH ₂ D ₂	13350	Mehl, 78
			9895	Finzi, 77				13350	Mehl, 78
H ₂ O	+	He	6602	Kung, 75	N ₂ O	+	CH ₃ D	13350	Mehl, 78
			11292	Hariri, 78				13350	Mehl, 78
H ₂ O	+	N ₂	6602	Kung, 75	NO ₂	+	Ar	9782	Hartford Jr., 77
			9004	Bass, 76				9782	Hartford Jr., 77
			9005	Keeton, 76	NO ₂	+	NOCl	14524	Donnelly, 79
			9895	Finzi, 77				10189	Donnelly, 77
H ₂ O	+	O ₂	9004	Bass, 76	NO ₂	+	He	14524	Donnelly, 79
			9816	Thomas, 77				14524	Donnelly, 79
			9895	Finzi, 77	NO ₂	+	N ₂	14524	Donnelly, 79
			15376	Dean, 73				14524	Donnelly, 79
H ₂ O	+	H ₂ O	6602	Kung, 75	NO ₂	+	O ₂	14524	Donnelly, 79
			6850	Bass, 74				14524	Donnelly, 79
			9004	Bass, 76	NO ₂	+	CO ₂	14524	Donnelly, 79
			9005	Keeton, 76				14524	Donnelly, 79
			9895	Finzi, 77	NO ₂	+	D ₂ O	14524	Donnelly, 79
			11292	Hariri, 78				14524	Donnelly, 79
			12247	Grimley, 78	NO ₂	+	H ₂ O	14524	Donnelly, 79
			15376	Dean, 73				10189	Donnelly, 77
			15377	Bass, 74	NO ₂	+	NO ₂	14524	Donnelly, 79
								14524	Donnelly, 79
H ₂ S	+	H ₂ O	14978	Bauer, 70	NO ₂	+	ND ₃	14524	Donnelly, 79
H ₂ S ⁺¹	+	H ₂ S	7649	Mohlmann, 75	NO ₂	+	NH ₃	14524	Donnelly, 79
N ₂ O	+	Ar	6664	Starr, 75				12080	Keyser, 71
			7366	Kung, 75	OCS	+	Ar	8202	Siebert, 76
N ₂ O	+	CO	5858	Margottin-Maclou, 72				8898	Hui, 76
			6664	Starr, 75				10098	Hariri, 77
			9102	Suitor, 77	OCS	+	He	10558	Hopkins, 73
N ₂ O	+	HBr	14287	Seoudi, 79				8202	Siebert, 76
N ₂ O	+	HCl	13336	Doyennette, 78				8425	Simpson, 76
N ₂ O	+	N ₂	7171	Gueguen, 75	OCS	+	Kr	10558	Hopkins, 73
			7366	Kung, 75				8202	Siebert, 76
			12928	Picard-Berselli, 78	OCS	+	Ne	8202	Siebert, 76
								10558	Hopkins, 73
N ₂ O	+	NO	7366	Kung, 75	OCS	+	Xe	8202	Siebert, 76
N ₂ O	+	O ₂	9816	Thomas, 77				14351	Kligler, 78
N ₂ O	+	H ₂ O	7366	Kung, 75	OCS	+	Br ₂	10098	Hariri, 77
N ₂ O	+	N ₂ O	5849	Chakroun, 73				8425	Simpson, 76
			5856	Huetz-Aubert, 72	OCS	+	D ₂	10558	Hopkins, 73
			5931	Gueguen, 73				10558	Hopkins, 73
			6490	Slobodskaya, 74	OCS	+	HBr	10558	Hopkins, 73
			6664	Starr, 75				10558	Hopkins, 73
			6719	Huetz-Aubert, 74	OCS	+	HCl	8425	Simpson, 76
			6784	Doyennette, 75				8425	Simpson, 76
			6974	Finzi, 75	OCS	+	HD	10558	Hopkins, 73
								8898	Hui, 76
					OCS	+	H ₂	8898	Hui, 76

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OCS	+	OCS	8202	Siebert, 76	O ₃	+	SF ₆	6522	Rosen, 75
			8425	Simpson, 76				7189	Kaldor, 75
			8898	Hui, 76	O ₃ [*]	+	Ar	6241	Kurylo, 74
			10098	Hariri, 77	O ₃ [*]	+	He	6241	Kurylo, 74
			10558	Hopkins, 73				12561	Gordon, 73
			14351	Kligler, 78	O ₃ [*]	+	H ₂	6241	Kurylo, 74
O ₃	+	Ar	6522	Rosen, 75	O ₃ [*]	+	N ₂	6241	Kurylo, 74
			6659	Hui, 75	O ₃ [*]	+	O ₂	6241	Kurylo, 74
			7189	Kaldor, 75				10258	Von Rosenberg, 75
			7981	Gordon, 76	O ₃ [*]	+	CO ₂	6241	Kurylo, 74
			10886	Rosen, 73	O ₃ [*]	+	H ₂ O	6241	Kurylo, 74
O ₃	+	He	6522	Rosen, 75	O ₃ [*]	+	SO ₂	6241	Kurylo, 74
			7189	Kaldor, 75	O ₃ [*]	+	CH ₄	6241	Kurylo, 74
			7981	Gordon, 76	O ₃ [*]	+	SiF ₄	6336	Braun, 74
			10886	Rosen, 73	O ₃ [*]	+	SF ₆	6241	Kurylo, 74
O ₃	+	D ₂	6522	Rosen, 75	SO ₂	+	Ar	6569	Siebert, 75
			7981	Gordon, 76				6927	Earl, 75
O ₃	+	HCl	12945	Gordon, 78	SO ₂	+	He	6569	Siebert, 75
O ₃	+	H ₂	6522	Rosen, 75				6927	Earl, 75
			7189	Kaldor, 75	SO ₂	+	Kr	6569	Siebert, 75
			7981	Gordon, 76				6927	Earl, 75
			10886	Rosen, 73	SO ₂	+	Ne	6569	Siebert, 75
			12985	Mao, 78				6927	Earl, 75
O ₃	+	N ₂	6522	Rosen, 75	SO ₂	+	O	10187	West, 77
			7189	Kaldor, 75	SO ₂	+	Xe	6569	Siebert, 75
			7981	Gordon, 76				6927	Earl, 75
			10886	Rosen, 73	SO ₂	+	O ₂	10187	West, 77
O ₃	+	NO	11108	Hui, 78				11021	Anderson, 72
O ₃	+	O ₂	6522	Rosen, 75	SO ₂	+	SO ₂	6569	Siebert, 75
			7189	Kaldor, 75				6927	Earl, 75
			7981	Gordon, 76	SO ₂	+	CH ₂ F ₂	10187	West, 77
			10287	Von Rosenberg, 74	BCl ₃	+	Ar	11021	Anderson, 72
			10566	Von Rosenberg, 73				12084	Bass, 71
			10886	Rosen, 73	BCl ₃	+	He	12536	Hui, 72
O ₃	+	CO ₂	6522	Rosen, 75				15294	Lambert, 70
			7189	Kaldor, 75	BCl ₃	+	Ne	10966	Houston, 73
			7981	Gordon, 76				15089	Houston, 74
			10886	Rosen, 73	BCl ₃	+	Xe	10966	Houston, 73
O ₃	+	H ₂ O	7189	Kaldor, 75	BCl ₃	+	DCI	15089	Houston, 74
O ₃	+	N ₂ O	7981	Gordon, 76				10966	Houston, 73
O ₃	+	NO ₂	7981	Gordon, 76	BCl ₃	+	Ar	15089	Houston, 74
O ₃	+	OCS	8898	Hui, 76				10966	Houston, 73
O ₃	+	O ₃	6522	Rosen, 75	BCl ₃	+	He	15089	Houston, 74
			6659	Hui, 75				10966	Houston, 73
			10886	Rosen, 73	BCl ₃	+	Kr	15089	Houston, 74
O ₃	+	SO ₂	7189	Kaldor, 75				10966	Houston, 73
O ₃	+	CH ₂ Cl ₂	6522	Rosen, 75	BCl ₃	+	Ne	15089	Houston, 74
O ₃	+	CH ₃ Cl	6522	Rosen, 75				10966	Houston, 73
O ₃	+	CH ₄	6522	Rosen, 75	BCl ₃	+	Xe	15089	Houston, 74
			7189	Kaldor, 75				10966	Houston, 73
			10886	Rosen, 73	BCl ₃	+	DCI	15089	Houston, 74
O ₃	+	SiF ₄	7189	Kaldor, 75				10966	Houston, 73

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BCl_3	+	D_2	10966	Houston,	73	NH_3	+	N_2	13481	Hovis,	78
			15089	Houston,	74	NH_3	+	O_2	9816	Thomas,	77
BCl_3	+	HCl	6531	Frankel,	74				13481	Hovis,	78
			10966	Houston,	73				15359	Ambartzumian,	76
			15089	Houston,	74	NH_3	+	H_2O	10171	Williams,	77
BCl_3	+	HD	10966	Houston,	73	NH_3	+	N_2O	12552	Kuklich,	73
			15089	Houston,	74	NH_3	+	ND_3	10171	Williams,	77
BCl_3	+	H_2	10966	Houston,	73	NH_3	+	NH_3	10171	Williams,	77
			15089	Houston,	74				10255	Hoke,	75
BCl_3	+	N_2	10966	Houston,	73				11044	Bass,	72
			15089	Houston,	74				12523	Ambartzumian,	72
BCl_3	+	BCl_3	10966	Houston,	73				12552	Kuklich,	73
			15089	Houston,	74				13481	Hovis,	78
			15398	Murzin,	73				15359	Ambartzumian,	76
BCl_3	+	CHCl_3	10966	Houston,	73	NH_3	+	CHF_3	12552	Kuklich,	73
			15089	Houston,	74	NH_3	+	CH_3F	12552	Kuklich,	73
BCl_3	+	CH_3F	10966	Houston,	73	NH_3	+	CH_3CN	12552	Kuklich,	73
			15089	Houston,	74	CD_3Br	+	Ar	8362	Lin,	76
BF_3	+	Ar	10105	Kadibelban,	77	CD_3Br	+	He	8362	Lin,	76
BF_3	+	He	10105	Kadibelban,	77	CD_3Br	+	Kr	8362	Lin,	76
BF_3	+	Kr	10105	Kadibelban,	77	CD_3Br	+	Ne	8362	Lin,	76
BF_3	+	Ne	10105	Kadibelban,	77	CD_3Br	+	Xe	8362	Lin,	76
BF_3	+	Xe	10105	Kadibelban,	77	CD_3Br	+	CD_3Br	8362	Lin,	76
BF_3	+	D_2	10105	Kadibelban,	77	CD_3Cl	+	Ar	8891	Gamss,	76
BF_3	+	BF_3	10105	Kadibelban,	77	CD_3Cl	+	He	8891	Gamss,	76
C_2H_2	+	O_2	9816	Thomas,	77	CD_3Cl	+	Kr	8891	Gamss,	76
C_2H_2	+	C_2H_2	10892	Wang,	73	CD_3Cl	+	Ne	8891	Gamss,	76
C_2N_2	+	C_2N_2	6764	Hancock,	74	CD_3Cl	+	Xe	8891	Gamss,	76
			15294	Lambert,	70	CD_3Cl	+	CD_3Cl	8891	Gamss,	76
D_2CO	+	D_2CO	13649	Weisshaar,	78	CD_4	+	Ar	5535	Zittel,	73
			14548	Shibuya,	79				9283	De Vasconcelos,	76
HDCO	+	HDCO	14548	Shibuya,	79				9866	De Vasconcelos,	77
H_2CO	+	Ar	11899	Shibuya,	78	CD_4	+	He	5535	Zittel,	73
H_2CO	+	CO	11899	Shibuya,	78				9283	De Vasconcelos,	76
H_2CO	+	N_2	11899	Shibuya,	78				9866	De Vasconcelos,	77
H_2CO	+	NO	11899	Shibuya,	78	CD_4	+	Kr	9283	De Vasconcelos,	76
H_2CO	+	O_2	11899	Shibuya,	78				9866	De Vasconcelos,	77
H_2CO	+	H_2CO	11899	Shibuya,	78	CD_4	+	Ne	5535	Zittel,	73
			13649	Weisshaar,	78				9283	De Vasconcelos,	76
									9866	De Vasconcelos,	77
H_2CO	+	CH_2F_2	11899	Shibuya,	78	CD_4	+	DCI	5535	Zittel,	73
NH_3	+	Ar	12552	Kuklich,	73	CD_4	+	HCl	5535	Zittel,	73
			13481	Hovis,	78	CD_4	+	H_2	5535	Zittel,	73
			15359	Ambartzumian,	76	CD_4	+	CD_4	5535	Zittel,	73
NH_3	+	He	12552	Kuklich,	73				9283	De Vasconcelos,	76
			13481	Hovis,	78				9866	De Vasconcelos,	77
NH_3	+	Xe	15359	Ambartzumian,	76	CD_4	+	CH_4	5535	Zittel,	73
NH_3	+	HCl	10171	Williams,	77	CD_3F	+	Ar	8498	Gamss,	76
NH_3	+	N_2	12552	Kuklich,	73	CD_3F	+	He	8498	Gamss,	76

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CD ₃ F	+	Kr	8498	Gamss,	76	CH ₂ F ₂	+	Ne	6926	Gamss,	75
CD ₃ F	+	Ne	8498	Gamss,	76	CH ₂ F ₂	+	Xe	6926	Gamss,	75
CD ₃ F	+	Xe	8498	Gamss,	76	CH ₂ F ₂	+	CH ₂ F ₂	6926	Gamss,	75
CD ₃ F	+	CD ₃ F	8498	Gamss,	76	CH ₃ Br	+	Ar	8113	Earl,	76
CD ₃ H	+	Ar	9590	Drozdoski,	77	CH ₃ Br	+	He	8113	Earl,	76
CD ₃ H	+	He	9590	Drozdoski,	77	CH ₃ Br	+	Kr	8113	Earl,	76
CD ₃ H	+	Kr	9590	Drozdoski,	77	CH ₃ Br	+	Ne	8113	Earl,	76
CD ₃ H	+	Ne	9590	Drozdoski,	77	CH ₃ Br	+	Xe	8113	Earl,	76
CD ₃ H	+	Xe	9590	Drozdoski,	77	CH ₃ Br	+	CH ₃ Br	8113	Earl,	76
CD ₃ H	+	CD ₃ H	9590	Drozdoski,	77	CH ₃ Cl	+	Ar	10956	Knudtson,	73
			12006	Drozdoski,	78	CH ₃ Cl	+	He	10956	Knudtson,	73
CD ₃ H	+	CF ₄	12006	Drozdoski,	78	CH ₃ Cl	+	Kr	10956	Knudtson,	73
CD ₃ H	+	SiF ₄	12006	Drozdoski,	78	CH ₃ Cl	+	Ne	10956	Knudtson,	73
CD ₃ H	+	SF ₆	12006	Drozdoski,	78	CH ₃ Cl	+	Xe	10956	Knudtson,	73
CD ₃ I	+	Ar	8361	Langsam,	76	CH ₃ Cl	+	D ₂	10956	Knudtson,	73
CD ₃ I	+	He	8361	Langsam,	76	CH ₃ Cl	+	H ₂	10956	Knudtson,	73
CD ₃ I	+	Kr	8361	Langsam,	76	CH ₃ Cl	+	CH ₃ Cl	10394	Grabiner,	74
CD ₃ I	+	Ne	8361	Langsam,	76				10956	Knudtson,	73
CD ₃ I	+	Xe	8361	Langsam,	76				12531	Grabiner,	72
CD ₃ I	+	CD ₃ I	8361	Langsam,	76	CH ₃ Cl	+	CH ₄	10956	Knudtson,	73
CF ₄	+	Ar	7163	Klein,	75	CH ₃ F	+	Ar	10569	Grabiner,	73
CF ₄	+	He	7163	Klein,	75				10955	Weitz,	73
CF ₄	+	Kr	7163	Klein,	75				12531	Grabiner,	72
CF ₄	+	Ne	7163	Klein,	75				12562	Lee,	73
CF ₄	+	Xe	7163	Klein,	75				15047	Chesnokov,	78
CF ₄	+	D ₂	7163	Klein,	75	CH ₃ F	+	He	9526	Fujimoto,	76
CF ₄	+	H ₂	7163	Klein,	75				10569	Grabiner,	73
CF ₄	+	CF ₄	7163	Klein,	75				10955	Weitz,	73
			11905	Ahrens-Botzong,	78	CH ₃ F	+	Kr	9526	Fujimoto,	76
CHF ₃	+	Ar	9074	Frank,	76				10569	Grabiner,	73
CHF ₃	+	Kr	9074	Frank,	76				10955	Weitz,	73
CHF ₃	+	Xe	9074	Frank,	76	CH ₃ F	+	Ne	10569	Grabiner,	73
CHF ₃	+	D ₂	9074	Frank,	76				10955	Weitz,	73
CHF ₃	+	H ₂	9074	Frank,	76	CH ₃ F	+	O	11109	Kneba,	77
CHF ₃	+	CHF ₃	9074	Frank,	76				10569	Grabiner,	73
			11905	Ahrens-Botzong,	78	CH ₃ F	+	Xe	10955	Weitz,	73
CH ₂ D ₂	+	Ar	12984	Apkarian,	78	CH ₃ F	+	CO	6322	Lee,	74
CH ₂ D ₂	+	He	12984	Apkarian,	78	CH ₃ F	+	D ₂	10955	Weitz,	73
CH ₂ D ₂	+	Kr	12984	Apkarian,	78	CH ₃ F	+	H ₂	10955	Weitz,	73
CH ₂ D ₂	+	Ne	12984	Apkarian,	78	CH ₃ F	+	N ₂	10955	Weitz,	73
CH ₂ D ₂	+	Xe	12984	Apkarian,	78	CH ₃ F	+	NO	6322	Lee,	74
CH ₂ D ₂	+	CH ₂ D ₂	12984	Apkarian,	78	CH ₃ F	+	O ₂	10955	Weitz,	73
CH ₂ F ₂	+	Ar	6926	Gamss,	75	CH ₃ F	+	NO ₂	7715	Lee,	75
CH ₂ F ₂	+	He	6926	Gamss,	75	CH ₃ F	+	CH ₃ Cl	10403	Siebert,	74
CH ₂ F ₂	+	Kr	6926	Gamss,	75						

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CH ₃ F	+	CH ₃ Cl	12562	Lee, 73	CH ₄	+	D ₂	15251	Baumgartner, 74	
CH ₃ F	+	CH ₃ F	5386	Karny, 72	CH ₄	+	HCl	5535	Zittel, 73	
			9408	Preses, 77				6719	Huetz-Aubert, 74	
			9910	Huddleston, 77	CH ₄	+	HD	6719	Huetz-Aubert, 74	
			10403	Siebert, 74				8415	Hess, 76	
			10569	Grabiner, 73	CH ₄	+	H ₂	12029	Yardley, 70	
			10955	Weitz, 73				15251	Baumgartner, 74	
			10957	Weitz, 73	CH ₄	+	N ₂	6719	Huetz-Aubert, 74	
			11060	Weitz, 72				7163	Klein, 75	
			12531	Grabiner, 72	CH ₄	+	NO	8415	Hess, 76	
			12877	Sheorey, 78				12029	Yardley, 70	
			12933	Chesnokov, 77	CH ₄	+	O ₂	15251	Baumgartner, 74	
CH ₃ F	+	CH ₄	12234	Chesnokov, 77	CH ₄	+	H ₂ S	6719	Huetz-Aubert, 74	
CH ₄	+	Ar	6719	Huetz-Aubert, 74	CH ₄	+	CH ₄	12029	Yardley, 70	
			7163	Klein, 75				6322	Lee, 74	
			8415	Hess, 76	CH ₄	+	He	6719	Huetz-Aubert, 74	
			9266	Huetz-Aubert, 77				12029	Yardley, 70	
			9283	De Vasconcelos, 76	CH ₄	+	C ₂ H ₆	14977	Bauer, 70	
			9524	De Vasconcelos, 77	CH ₄	+	Ar	5535	Zittel, 73	
			12029	Yardley, 70	CH ₃ I	+	Ar	6719	Huetz-Aubert, 74	
CH ₄	+	He	6719	Huetz-Aubert, 74	CH ₃ I	+	He	7163	Klein, 75	
			7163	Klein, 75	CH ₃ I	+	Kr	8415	Hess, 76	
			8415	Hess, 76	CH ₃ I	+	Ne	9266	Huetz-Aubert, 77	
			9266	Huetz-Aubert, 77	CH ₃ I	+	Xe	9283	De Vasconcelos, 76	
			9283	De Vasconcelos, 76	CH ₃ I	+	CH ₃ I	9524	De Vasconcelos, 77	
			9524	De Vasconcelos, 77	OsO ₄	+	OsO ₄	10892	Wang, 73	
			12029	Yardley, 70	SiF ₄	+	Ar	12029	Yardley, 70	
			15251	Baumgartner, 74	SiF ₄	+	He	15372	Parker, 72	
CH ₄	+	Kr	6719	Huetz-Aubert, 74	SiF ₄	+	N ₂	6719	Huetz-Aubert, 74	
			7163	Klein, 75	SiF ₄	+	O ₂	12029	Yardley, 70	
			8415	Hess, 76	SiF ₄	+	CO ₂	8117	Langsam, 76	
			9266	Huetz-Aubert, 77	SiF ₄	+	O ₃	8117	Langsam, 76	
			9283	De Vasconcelos, 76	SiF ₄	+	CH ₄	8117	Langsam, 76	
			9524	De Vasconcelos, 77	SiH ₄	+	He	15245	Bazarov, 74	
			12029	Yardley, 70	SiH ₄	+	D ₂	12563	Hallsworth, 73	
CH ₄	+	Ne	6719	Huetz-Aubert, 74	SiH ₄	+	H ₂	SiF ₄	+	He
			7163	Klein, 75	SiH ₄	+	CH ₄	12563	Hallsworth, 73	
			8415	Hess, 76	SiH ₄	+	N ₂	6336	Braun, 74	
			9266	Huetz-Aubert, 77	SiH ₄	+	O ₂	7189	Kaldor, 75	
			9283	De Vasconcelos, 76	SiH ₄	+	CO ₂	12563	Hallsworth, 73	
			9524	De Vasconcelos, 77	SiH ₄	+	O ₃	7189	Kaldor, 75	
			12029	Yardley, 70	SiH ₄	+	SiH ₄	12563	Hallsworth, 73	
CH ₄	+	Xe	6719	Huetz-Aubert, 74				12563	Hallsworth, 73	
			7163	Klein, 75				9073	Janiesch, 76	
			8415	Hess, 76				9073	Janiesch, 76	
			9266	Huetz-Aubert, 77				9073	Janiesch, 76	
			12029	Yardley, 70				9073	Janiesch, 76	
CH ₄	+	CO	6322	Lee, 74				9073	Janiesch, 76	
			6719	Huetz-Aubert, 74				9073	Janiesch, 76	
			12029	Yardley, 70				9073	Janiesch, 76	
CH ₄	+	DCI	5535	Zittel, 73				9073	Janiesch, 76	
			6719	Huetz-Aubert, 74				9073	Janiesch, 76	
CH ₄	+	D ₂	6719	Huetz-Aubert, 74				9073	Janiesch, 76	
			7163	Klein, 75				9073	Janiesch, 76	
			12029	Yardley, 70				9073	Janiesch, 76	

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C ₃ H ₂ O	+	CH ₃ CN	10273	Thayer, 75
C ₂ H ₂ Cl ₂	+	Ar	11047	Molina, 72
C ₂ H ₄	+	Ar	10887	Yuan, 73
			10913	Yuan, 73
			14071	Hager, 79
C ₂ H ₄	+	He	10887	Yuan, 73
			10913	Yuan, 73
			14071	Hager, 79
C ₂ H ₄	+	Kr	10887	Yuan, 73
			10913	Yuan, 73
			14071	Hager, 79
C ₂ H ₄	+	Ne	10887	Yuan, 73
			10913	Yuan, 73
			14071	Hager, 79
C ₂ H ₄	+	Xe	10887	Yuan, 73
			10913	Yuan, 73
			14071	Hager, 79
C ₂ H ₄	+	D ₂	10887	Yuan, 73
			10913	Yuan, 73
C ₂ H ₄	+	H ₂	10887	Yuan, 73
			10913	Yuan, 73
C ₂ H ₄	+	N ₂	10913	Yuan, 73
C ₂ H ₄	+	O ₂	10913	Yuan, 73
C ₂ H ₄	+	CH ₄	10913	Yuan, 73
			11138	Yuan, 72
C ₂ H ₄	+	C ₂ H ₄	10887	Yuan, 73
			10892	Wang, 73
			10913	Yuan, 73
			11138	Yuan, 72
			12531	Grabiner, 72
			14071	Hager, 79
C ₂ H ₄	+	C ₂ H ₆	11138	Yuan, 72
CF ₃ CN	+	CF ₃ CN	15294	Lambert, 70
CF ₃ NO ⁺	+	SF ₆	11774	Spears, 78
CHOCHO	+	CHOCHO	12570	Frad, 73
SF ₆	+	Ar	10883	Breshears, 73
			10919	Knudtson, 73
			14423	Rutkovskii, 78
SF ₆	+	He	10919	Knudtson, 73
			11178	Bates Jr., 72
SF ₆	+	Kr	10919	Knudtson, 73
			11178	Bates Jr., 72
SF ₆	+	Xe	10919	Knudtson, 73
			14423	Rutkovskii, 78
SF ₆	+	DCl	10959	Zittel, 73
SF ₆	+	HCl	10959	Zittel, 73
SF ₆	+	CH ₃ F	14423	Rutkovskii, 78
SF ₆	+	SF ₆	10883	Breshears, 73
			10919	Knudtson, 73
			11050	Wang, 72
			11178	Bates Jr., 72

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SF ₆	+	SF ₆	11914	Akhmanov, 77
			11986	Bates Jr., 70
			11987	Burak, 70
			12460	Bates Jr., 71
UF ₆	+	Ar	13478	Ambartzumian, 78
			14794	Cravens, 79
UF ₆	+	N ₂	14794	Cravens, 79
			9624	Bass, 77
			13478	Ambartzumian, 78
			14794	Cravens, 79
CH ₃ CF ₃	+	Ar	10466	Marcoux, 78
CH ₃ CF ₃	+	He	10466	Marcoux, 78
CH ₃ CF ₃	+	Kr	10466	Marcoux, 78
CH ₃ CF ₃	+	Ne	10466	Marcoux, 78
CH ₃ CF ₃	+	Xe	10466	Marcoux, 78
CH ₃ CF ₃	+	D ₂	10466	Marcoux, 78
CH ₃ CF ₃	+	H ₂	10466	Marcoux, 78
CH ₃ CF ₃	+	N ₂	10466	Marcoux, 78
CH ₃ CF ₃	+	CO ₂	10466	Marcoux, 78
CH ₃ CF ₃	+	CF ₄	10466	Marcoux, 78
CH ₃ CF ₃	+	CH ₃ Cl	10466	Marcoux, 78
CH ₃ CF ₃	+	CH ₄	10466	Marcoux, 78
CH ₃ CF ₃	+	SF ₆	10466	Marcoux, 78
CH ₃ CF ₃	+	C ₂ F ₆	10466	Marcoux, 78
C ₃ H ₆	+	Ar	11955	Welsh, 70
			15212	Fujimoto, 79
G ₃ H ₆	+	He	11955	Welsh, 70
			15212	Fujimoto, 79
C ₃ H ₆	+	Kr	15212	Fujimoto, 79
C ₃ H ₆	+	Ne	11955	Welsh, 70
			15212	Fujimoto, 79
C ₃ H ₆	+	Xe	15212	Fujimoto, 79
C ₃ H ₆	+	C ₃ H ₆	10892	Wang, 73
			11955	Welsh, 70
C ₆ D ₆	+	C ₆ D ₆	11032	Abramson, 72
C ₆ H ₄ F ₂	+	C ₆ H ₄ F ₂	13652	Steer, 78
C ₆ H ₅ F	+	H ₂	11935	Nakamura, 70
C ₆ H ₅ F	+	CH ₄	11935	Nakamura, 70
C ₆ H ₅ F	+	C ₂ H ₆	11935	Nakamura, 70
C ₆ H ₅ F	+	C ₆ H ₅ F	11032	Abramson, 72
C ₆ H ₅ F	+	C ₄ H ₁₀	11935	Nakamura, 70
C ₆ H ₆	+	He	10218	Parmenter, 78
C ₆ H ₆	+	CO	10218	Parmenter, 78
			14607	Atkinson, 79
C ₆ H ₆	+	N ₂	10218	Parmenter, 78
C ₆ H ₆	+	CO ₂	10218	Parmenter, 78
C ₆ H ₆	+	OCS	10218	Parmenter, 78

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C ₆ H ₆	+	OCS	14607	Atkinson, 79
C ₆ H ₆	+	SF ₆	10218	Parmenter, 78
C ₆ H ₆	+	C ₆ H ₆	11977	Kemper, 70
C ₆ H ₆ ⁺	+	C ₆ H ₆	12014	Nishikawa, 70

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CO	+	Ar	12749	Bender, 78
CO	+	CO	14965	Charneau, 75
CO	+	N ₂	14965	Charneau, 75
D ₂	+	D ₂	9798	Shirley, 77
DF	+	D	6947	Heidner III, 75
DF	+	H	6947	Heidner III, 75
HF	+	D	6947	Heidner III, 75
HF	+	H	6947	Heidner III, 75
HF	+	NF	14037	Macdonald, 79

H₂ + H₂ 9798 Shirley, 77

I₂ + He 14075 Tusa, 79

I₂ + I₂ 8841 Sakurai, 76

I₂⁺ + Ar 5758 Bugrim, 73

I₂⁺ + He 5758 Bugrim, 73

I₂⁺ + N₂ 5758 Bugrim, 73

KBr + CH₃NO₂ 6981 Crim, 74

KBr + C₂H₅OH 6981 Crim, 74

KBr + C₃H₈ 6981 Crim, 74

N₂ + N₂ 6400 Anketell, 74

N₂ + N₂O 6856 Bogey, 75

N₂ + OCS 6856 Bogey, 75

N₂ 15004 Anketell, 70

CO₂ + N₂ 9174 Simpson, 77

CO₂ + CO₂ 5296 De Temple, 73

CO₂ + N₂O 14426 Foster, 79

N₂O + N₂⁺ 12634 Picard-Berselli, 75

N₂O + CO₂ 14426 Foster, 79

SO₂ + He 6482 Caton, 74

SO₂ + N₂ 6482 Caton, 74

SO₂ + CO₂ 6482 Caton, 74

SO₂ + SO₂ 6482 Caton, 74

SO₂ + SF₆ 6482 Caton, 74

CCl₂F₂ + CCl₂F₂ 11926 Slezak, 78

CHOCHO + CHOCHO 14240 Ten Brink, 79

SF₆ + Ar 13985 Woodroffe, 78

SF₆ + He 13985 Woodroffe, 78

SF₆ + Xe 14637 Quigley, 78

SF₆ + H₂ 14637 Quigley, 78

SF₆ + SF₆ 14421 Gordienko, 78

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- -	- -	12265	Devir, 78
- -	- -	14645	Zinovev, 77
- -	- -	15006	Callear, 78
- -	- -	15091	Povarnitsyn, 70
- -	- -	15093	Rich, 70

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Molecules	11529	Earl, 78
- -	8001	Ormonde, 75
- -	9189	Toennies, 76
- -	14032	Smith, 77
- -	14293	Dickinson, 79
- -	14879	Nikitin, 70
- -	15272	Secrest, 73
- -	15281	Gordiets, 73

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Cl + Cl ₂	10257	Levine, 75
D + D ₂	9411	Smith, 77
H + HBr	10257	Levine, 75
H + HF	10257	Levine, 75
H + H ₂	9411	Smith, 77
He + D ₂	13474	Gerber, 78
He + H ₂	8853	Billing, 76
He + T ₂	13474	Gerber, 78
Br ₂ + Ar	9597	Jolly, 77
Br ₂ + Ar	10188	Nordholm, 77
Br ₂ + He	14785	Bowman, 79
Br ₂ + He	15338	Podlubnyi, 72
Br ₂ + H	14785	Bowman, 79
Br ₂ + Ne	15338	Podlubnyi, 72
Br ₂ + Br ₂	8207	Bergeron, 76
Br ₂ + Br ₂	10991	Wagner, 73
CO + Ar	7770	McKenzie, 76
CO + Ar	15338	Podlubnyi, 72
CO + Ar	7770	McKenzie, 76
CO + Ar	8465	Sutherley, 76
CO + Ar	10290	Lifshitz, 74
CO + Ar	11168	Center, 72
CO + Ar	12009	Grimbert, 78
CO + Fe	14618	Akulintsev, 77
CO + Fe	14823	Center, 71
CO + He	15308	Nikitin, 72
CO + He	6757	Liu, 75
CO + He	7770	McKenzie, 76
CO + He	8140	Verter, 76
CO + He	8143	Wassam Jr., 76

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CO + He	8465 Sutherley, 76 9110 Wassam Jr., 77 9202 Price, 77 9634 Gianturco, 77 10290 Lifshitz, 74 11369 Shin, 71 11984 Hansen, 70 12009 Grimbert, 78 14048 Ramaswamy, 79 14246 Ewing, 79	CS + Ar Cl ₂ + Cl Cl ₂ + Cl ₂ Cl ₂ + DCI Cl ₂ + HCl	5714 Gauthier, 72 8169 Procaccia, 75 10430 Thompson, 74 8207 Bergeron, 76 10991 Wagner, 73 11140 Shin, 72 12633 Bergeron, 75 9082 Bass, 77 9082 Bass, 77
CO + Kr	12009 Grimbert, 78	DCI + Br	9598 Smith, 77
CO + O	9076 Kelley, 77	DCI + Cl	7160 Smith, 75
CO + CO	5397 Dawson, 72 5881 Stettler, 73 6757 Liu, 75 7168 Sharma, 75 7427 Misra, 74 7645 Brechignac, 75 8169 Procaccia, 75 8903 Chow Chiu, 76 10290 Lifshitz, 74 11140 Shin, 72 11168 Center, 72 11363 Jeffers, 71 11984 Hansen, 70 12606 Lev-On, 74 12615 Sharma, 75 13356 Dillon, 72 14768 Shin, 79 14823 Center, 71	DCI + DCI D ₂ + D D ₂ + H D ₂ + He	5435 Sentman, 73 9082 Bass, 77 12448 Shin, 70 12930 Ovchinnikova, 77 12930 Ovchinnikova, 77 8008 Cady, 76 8211 Alexander, 76 10193 Cady, 77 12240 Billing, 78 9764 Doyennette, 77 5407 Calvert, 72 9152 Alexander, 77 9211 Skodje, 77 10302 Cohen, 74 10889 Alexander, 73 14872 Sorensen, 74
CO + Cl ₂	10095 Shin, 77	D ₂ + HD	11952 Wilson, 70
CO + DCI	7427 Misra, 74	D ₂ + H ₂	5407 Calvert, 72
CO + D ₂	10095 Shin, 77 10401 Shin, 74	D ₂ ⁺¹ + He	13054 Poppe, 78
CO + H ₂	6217 Nelson, 73 10290 Lifshitz, 74 11243 Stricker, 78 11329 Sharma, 71 11984 Hansen, 70	D ₂ ⁺¹ + D ₂ DF + D DF + F	6917 Flannery, 75 7905 Stocker, 74 11177 Thompson, 72 8169 Procaccia, 75 9156 Shin, 77
CO + N ₂	7427 Misra, 74 8169 Procaccia, 75 10095 Shin, 77 10401 Shin, 74 11168 Center, 72 11325 Caledonia, 71 14066 Chapuisat, 79 14823 Center, 71	DF + H DF + DF	10557 Wilkins, 73 11176 Thompson, 72 11177 Thompson, 72 5435 Sentman, 73 6778 Shin, 75 9594 Shin, 76 9749 Shin, 77 10964 Berend, 73 12482 Shin, 71 14070 Wilkins, 79 14857 Tam, 74
CO + NO	8169 Procaccia, 75 9764 Doyennette, 77 10401 Shin, 74	DF + HF	5435 Sentman, 73 13974 Poulsen, 79
CO + O ₂	9764 Doyennette, 77 10401 Shin, 74	DF + N ₂	5435 Sentman, 73
CO + OCS	11165 Lev-On, 72	DF + NO	5435 Sentman, 73
CO + O ₃	8898 Hui, 76		

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DF	+	CO ₂	5396	Dillon, 73
			10428	Dillon, 74
			10974	Dillon, 73
DF			8143	Wassam Jr., 76
DI	+	DI	5435	Sentman, 73
DI	+	N ₂	5435	Sentman, 73
F ₂	+	Ar	8008	Cady, 76
			10193	Cady, 77
F ₂	+	He	8008	Cady, 76
			10193	Cady, 77
F ₂	+	F ₂	10290	Lifshitz, 74
HBr	+	Br	10311	White, 74
HBr	+	H	10311	White, 74
HBr	+	He	14752	King, 79
HBr	+	HBr	5435	Sentman, 73
			5881	Stettler, 73
			7427	Misra, 74
			10969	Sharma, 73
HBr	+	H ₂	14066	Chapuisat, 79
HCl	+	Ar	8143	Wassam Jr., 76
			11187	Sorensen, 72
HCl	+	Br	9406	Smith, 77
			9598	Smith, 77
HCl	+	Cl	6769	Wilkins, 75
			7160	Smith, 75
			7180	Wilkins, 75
			8087	Smith, 75
			11042	Thompson, 72
			11925	Shin, 78
HCl	+	H	6769	Wilkins, 75
			7180	Wilkins, 75
HCl	+	He	8143	Wassam Jr., 76
HCl	+	HBr	7427	Misra, 74
HCl	+	HCl	5435	Sentman, 73
			5881	Stettler, 73
			9082	Bass, 77
			10412	Shin, 74
			10969	Sharma, 73
			11423	Ewing, 78
			12448	Shin, 70
			12576	Sharma, 74
HCl	+	CO ₂	5396	Dillon, 73
HD	+	D	12930	Ovchinnikova, 77
HD	+	H	12930	Ovchinnikova, 77
HD	+	HD	11952	Wilson, 70
			12633	Bergeron, 75
HF	+	Ar	10391	Shin, 74
			10968	Berend, 73
HF	+	D	11177	Thompson, 72
HF	+	F	8169	Procaccia, 75

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HF	+	F	8836	Shin, 76
			10557	Wilkins, 73
			11176	Thompson, 72
HF	+	H	10961	Wilkins, 73
			11177	Thompson, 72
HF	+	He	10294	Smith, 74
			14246	Ewing, 79
HF	+	D ₂	5435	Sentman, 73
			6778	Shin, 75
			7196	Shin, 75
			7696	Cohen, 76
			8147	Shin, 76
			9521	Steinfeld, 77
			10136	Wilkins, 77
			10559	Shin, 73
			10964	Berend, 73
			11423	Ewing, 78
			11924	Poulsen, 78
			12482	Shin, 71
			12589	Shin, 74
			12757	Billing, 78
			13922	Tabor, 79
			13965	Wilkins, 79
			14857	Tam, 74
HF	+	H ₂	7427	Misra, 74
			5435	Sentman, 73
HF	+	NO	5435	Sentman, 73
HF	+	O ₂	5435	Sentman, 73
HF	+	CO ₂	5396	Dillon, 73
			10428	Dillon, 74
			10974	Dillon, 73
HF	+	H ₂ O	6948	Shin, 75
H ₂	+	Ar	9233	Blais, 76
			10211	Dove, 77
			11335	Dove, 71
			15096	Wengle, 75
			15122	Truhlar, 79
H ₂	+	Br	7986	Laing, 75
			10288	Zimmerman, 74
H ₂	+	Cl	11042	Thompson, 72
H ₂	+	D	12930	Ovchinnikova, 77
H ₂	+	H	6754	Schinke, 75
			12930	Ovchinnikova, 77
			14752	King, 79
H ₂	+	He	6713	McGuire, 75
			6718	Alexander, 75
			6754	Schinke, 75
			7207	Novak, 75
			7324	Alexander, 74
			7770	McKenzie, 76
			7871	Alexander, 76

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H ₂	+	He	7985	Alexander, 76
			8008	Cady, 76
			8010	Shin, 76
			8137	Alexander, 76
			8143	Wassam Jr., 76
			8203	Alexander, 76
			8368	Gerber, 76
			8805	Gianturco, 76
			9152	Alexander, 77
			9217	Augustin, 77
			9271	Alexander, 77
			9871	Eno, 77
			10193	Cady, 77
			10227	Tarr, 78
			10264	Rabitz, 75
			10423	Alexander, 74
			11187	Sorensen, 72
			12240	Billing, 78
			12263	Raczkowski, 78
			13988	Lin, 79
			14492	Eno, 79
			14542	Dove, 79
			14779	Dove, 79
			15256	Child, 70
H ₂	+	I	11042	Thompson, 72
H ₂	+	Li ⁺¹	8114	Billing, 76
			8819	Alexander, 76
			10310	Raczkowski, 74
H ₂	+	D ₂	5407	Calvert, 72
			6334	Alexander, 74
			10302	Cohen, 74
			12587	Cohen, 74
H ₂	+	HBr	14066	Chapuisat, 79
H ₂	+	HCl	12941	Eberhardt, 78
H ₂	+	H ₂	5407	Calvert, 72
			7230	Jolicard, 75
			8713	Dwyer, 76
			8890	Billing, 76
			9071	Billing, 77
			9152	Alexander, 77
			9210	Ramaswamy, 77
			9211	Skodje, 77
			11033	Morse, 72
			11172	Shizgal, 72
			11335	Dove, 71
H ₂	+	H ₂	11423	Ewing, 78
			11952	Wilson, 70
			12633	Bergeron, 75
			13667	Kewley, 75
			14066	Chapuisat, 79
			14793	Shin, 79
			14872	Sorensen, 74
H ₂	+	N ₂	11033	Morse, 72
H ₂ ⁺¹	+	He	13054	Poppe, 78
H ₂ ⁺¹	+	H ₂	6917	Flannery, 75

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H ₂ ⁺¹	+	H ₂	7905	Stocker, 74
H I	+	H I	5435	Sentman, 73
H I	+	N ₂	5435	Sentman, 73
I ₂	+	Ar	10418	Rubinson, 74
I ₂	+	H	14752	King, 79
I ₂	+	He	10266	Billing, 75
I ₂	+	I	10418	Rubinson, 74
I ₂	+	Kr	7687	Procaccia, 75
I ₂	+	Ne	8169	Procaccia, 75
I ₂	+	Si	10430	Thompson, 74
I ₂	+	Xe	10418	Rubinson, 74
I ₂ [*]	+	I ₂	11143	Poulsen, 72
KBr	+	Ar	11290	Kato, 78
KBr	+	N ₂	8496	Crim, 76
KBr	+	CO ₂	9223	Matzen, 77
Li ₂	+	Ar	8496	Crim, 76
Li ₂ [*]	+	Ar	9912	Kafri, 77
N ₂	+	Al	8169	Procaccia, 75
N ₂	+	Ar	12443	Fisher, 70
N ₂	+	He	10266	Billing, 75
N ₂	+	K	11587	Altick, 78
N ₂	+	Li	14618	Akulintsev, 77
N ₂	+	Cs	12443	Fisher, 70
N ₂	+	O	12573	Andreev, 73
N ₂	+	Na	14824	Fisher, 71
N ₂	+	Li ⁺¹	9119	Philipp, 77
N ₂	+	Na	8857	Barker, 76
N ₂	+	O	12443	Fisher, 70
N ₂	+	Rb	12573	Andreev, 73
N ₂	+	O	14824	Fisher, 71
N ₂	+	He	10570	Delos, 73
N ₂	+	He	11147	Fisher, 72
N ₂	+	Rb	12443	Fisher, 70
N ₂	+	Rb	12573	Andreev, 73

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N ₂	+	Rb	14824	Fisher, 71
N ₂	+	CO	7427	Misra, 74
			9764	Doyennette, 77
			10289	Shin, 74
			10401	Shin, 74
			11325	Caledonia, 71
			14066	Chapuisat, 79
			14618	Akulintsev, 77
N ₂	+	DI	5435	Sentman, 73
N ₂	+	HCl	5436	Berend, 72
N ₂	+	HI	5435	Sentman, 73
N ₂	+	N ₂	7230	Jolicard, 75
			8847	Gordon, 76
			10290	Lifshitz, 74
			11059	Hsu, 72
			11140	Shin, 72
			11423	Ewing, 78
			11984	Hansen, 70
			12038	Hsu, 70
			12633	Bergeron, 75
			12973	Likalter, 78
			13667	Kewley, 75
			14066	Chapuisat, 79
			14618	Akulintsev, 77
			15028	Billing, 79
			15381	Meolans, 73
N ₂	+	O ₂	5436	Berend, 72
			13781	Jolicard, 78
			14066	Chapuisat, 79
			14618	Akulintsev, 77
N ₂	+	CO ₂	12941	Eberhardt, 78
N ₂	+	H ₂ O	14055	Nagel, 79
NO	+	Ar	5434	Andreev, 73
			15308	Nikitin, 72
NO	+	Br	9402	Quack, 77
NO	+	Cl	9402	Quack, 77
NO	+	F	9402	Quack, 77
NO	+	H	9402	Quack, 77
NO	+	I	9402	Quack, 77
NO	+	O	9402	Quack, 77
NO	+	N ₂	10401	Shin, 74
NO	+	NO	11423	Ewing, 78
NO ⁺¹	+	N ₂	12948	Ruderman, 78
OD	+	CO ₂	5427	Basov, 72
OH	+	H	9402	Quack, 77
OH ⁺	+	Ar	12517	Smith, 72
OH ⁺	+	N ₂	12233	Llewellyn, 78
O ₂	+	Ar	8465	Sutherley, 76
			10290	Lifshitz, 74
			11187	Sorensen, 72
			11984	Hansen, 70

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O ₂	+	Ar	14618	Akulintsev, 77
			15096	Wengle, 75
O ₂	+	He	8465	Sutherley, 76
			8847	Gordon, 76
			10147	Gordon, 77
			10290	Lifshitz, 74
			11984	Hansen, 70
O ₂	+	O	9402	Quack, 77
			15308	Nikitin, 72
O ₂	+	H ₂	10290	Lifshitz, 74
			11984	Hansen, 70
O ₂	+	N ₂	13781	Jolicard, 78
			14066	Chapuisat, 79
O ₂	+	O ₂	8207	Bergeron, 76
			10290	Lifshitz, 74
			10991	Wagner, 73
			11140	Shin, 72
			11423	Ewing, 78
			11984	Hansen, 70
			12776	Capitelli, 78
O ₂	+	O ₂	15374	Parker, 72
CO ₂	+	Ar	5946	Andreev, 73
			6520	Rityn, 74
			8370	Jolicard, 76
			11376	Huetz-Aubert, 71
			14939	Sato, 71
CO ₂	+	He	15229	Andreev, 73
			5946	Andreev, 73
			6520	Rityn, 74
			8370	Jolicard, 76
			11376	Huetz-Aubert, 71
CO ₂	+	Kr	8370	Jolicard, 76
			11901	Bowman, 78
CO ₂	+	Ne	8208	Shin, 76
			8370	Jolicard, 76
			11376	Huetz-Aubert, 71
CO ₂	+	Xe	6520	Rityn, 74
			8370	Jolicard, 76
			11376	Huetz-Aubert, 71
CO ₂	+	D ₂	7775	Stricker, 76
			9077	Sathyamurthy, 77
			9973	Shin, 77
			12560	Simpson, 73
CO ₂	+	DF	6277	Shin, 74
			6962	Gait, 75
			11163	Shin, 72
CO ₂	+	HCl	6962	Gait, 75
			12560	Simpson, 73
CO ₂	+	HD	6277	Shin, 74
			6962	Gait, 75
			11163	Shin, 72
CO ₂	+	HF	6277	Shin, 74
			6962	Gait, 75
			11163	Shin, 72
CO ₂	+	H ₂	7775	Stricker, 76

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CO_2	+	H_2	9077	Sathyamurthy, 77	NH_3	+	He	11037	Fabris, 72
			9097	Tsuchiya, 76	NH_3	+	H_2	11037	Fabris, 72
			9973	Shin, 77	NH_3	+	NH_3	6639	Starr, 75
			12487	Kolker, 71	CF_4	+	CF_4	9412	Kadibelban, 77
			12560	Simpson, 73	CH_2D_2	+	Ar	12984	Apkarian, 78
CO_2	+	HI	6962	Gait, 75	CH_2D_2	+	He	12984	Apkarian, 78
CO_2	+	N_2	6716	Sharma, 75	CH_2D_2	+	Kr	12984	Apkarian, 78
			7162	Inoue, 75	CH_2D_2	+	Ne	12984	Apkarian, 78
			8903	Chow Chiu, 76	CH_2D_2	+	Xe	12984	Apkarian, 78
			11376	Huetz-Aubert, 71	CH_2D_2	+	CH_2D_2	12984	Apkarian, 78
			12498	Andreev, 71	CH_3Br	+	Ar	11892	Miklavl, 78
			14758	Billing, 79	CH_3Br	+	He	11892	Zygan-Maus, 79
CO_2	+	CO_2	5946	Andreev, 73	CH_3Br	+	Kr	11892	Miklavl, 78
			8208	Shin, 76	CH_3Br	+	Ne	11892	Zygan-Maus, 79
			8814	Fujimoto, 76	CH_3Br	+	Xe	11892	Miklavl, 78
			11376	Huetz-Aubert, 71	CH_3Cl	+	Ar	8846	Miklavl, 76
			12052	Tripodi, 70	CH_3Cl	+	He	11892	Miklavl, 78
			12112	Huetz-Aubert, 71	CH_3Cl	+	Kr	11892	Miklavl, 78
			14895	Eletskii, 71	CH_3Cl	+	Ne	11892	Zygan-Maus, 79
			14939	Sato, 71	CH_3Cl	+	Xe	11892	Miklavl, 78
			15090	Babiano, 75	CH_3F	+	Ar	11892	Zygan-Maus, 79
			15104	Dupre, 75	CH_3F	+	He	11892	Miklavl, 78
CO_2	+	H_2O	12086	Sharma, 71	CH_3F	+	Kr	11892	Zygan-Maus, 79
CO_2	+	BCl_3	12045	Stephenson, 70	CH_3F	+	Ne	11892	Miklavl, 78
CO_2	+	CH_3Br	12045	Stephenson, 70	CH_3F	+	Xe	11892	Zygan-Maus, 79
CO_2	+	CH_3Cl	12045	Stephenson, 70	CH_3I	+	Ar	8846	Miklavl, 76
CO_2	+	CH_3F	12045	Stephenson, 70	CH_3I	+	He	11892	Miklavl, 78
CO_2	+	CH_4	12237	Lawley, 78	CH_3I	+	Kr	11892	Zygan-Maus, 79
CO_2	+	CH_3I	12045	Stephenson, 70	CH_3I	+	Ne	8846	Miklavl, 76
CO_2	+	C_2H_4	12045	Stephenson, 70	CH_3I	+	Xe	11892	Miklavl, 78
CO_2	+	SF_6	12045	Stephenson, 70	CH_3Cl	+	Ar	8846	Zygan-Maus, 79
CO_2	+	N_2	12428	Sato, 70	CH_3Cl	+	He	11892	Miklavl, 78
D_2O	+	D_2O	13994	Kim, 79	CH_3Cl	+	Kr	11892	Zygan-Maus, 79
H_2O	+	H_2O	9622	Shin, 77	CH_3Cl	+	Ne	8846	Miklavl, 76
			12011	Ship, 78	CH_3Cl	+	Xe	11892	Miklavl, 78
N_2O	+	N_2	12928	Picard-Berselli, 78	CH_3F	+	Ar	11892	Zygan-Maus, 79
OCS	+	D_2	12560	Simpson, 73	CH_3F	+	He	11892	Miklavl, 78
OCS	+	HD	12560	Simpson, 73	CH_3F	+	Kr	11892	Zygan-Maus, 79
OCS	+	H_2	12560	Simpson, 73	CH_3F	+	Ne	11892	Miklavl, 78
O_3	+	O	8834	West, 76	CH_3F	+	Xe	11892	Zygan-Maus, 79
O_3	+	OCS	8898	Hui, 76	CH_4	+	Ar	9524	De Vasconcelos, 77
SO_2	+	SO_2	14233	Rao, 79	CH_4	+	He	9524	De Vasconcelos, 77
SO_2	+	CH_4	12237	Lawley, 78	CH_4	+	Kr	9524	De Vasconcelos, 77
BCl_3	+	DCl	10967	Poulsen, 73	CH_4	+	Ne	9524	De Vasconcelos, 77
BCl_3	+	D_2	10967	Poulsen, 73	CH_4	+	Xe	11892	Miklavl, 78
BCl_3	+	HCl	10967	Poulsen, 73	CH_4	+	Ar	9524	Zygan-Maus, 79
BCl_3	+	HD	10967	Poulsen, 73	CH_4	+	He	9524	De Vasconcelos, 77
BCl_3	+	H_2	10967	Poulsen, 73	CH_4	+	Kr	9524	De Vasconcelos, 77
ND_3	+	ND_3	6639	Starr, 75	CH_4	+	Ne	9524	De Vasconcelos, 77

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CH ₄	+	CH ₄	9073	Janiesch, 76
			9524	De Vasconcelos, 77
			11510	Ulrich, 78
			14613	Ulrich, 79
CH ₃ I	+	Ar	15023	Zygan-Maus, 79
CH ₃ I	+	He	15023	Zygan-Maus, 79
CH ₃ I	+	Kr	15023	Zygan-Maus, 79
CH ₃ I	+	Ne	15023	Zygan-Maus, 79
CH ₃ I	+	Xe	15023	Zygan-Maus, 79
SiH ₄	+	SiH ₄	9073	Janiesch, 76
CD ₃ OD	+	CD ₃ OD	14807	Chalapati Rao, 79
CD ₃ OH	+	CD ₃ OH	14807	Chalapati Rao, 79
CH ₃ CN	+	CH ₃ CN	10874	Bunker, 73
CH ₃ OD	+	CH ₃ OD	14807	Chalapati Rao, 79
CH ₃ OH	+	CH ₃ OH	14807	Chalapati Rao, 79
MoF ₆	+	MoF ₆	15375	Doi, 73
SF ₆	+	SF ₆	15375	Doi, 73
UF ₆	+	UF ₆	15375	Doi, 73
WF ₆	+	WF ₆	15375	Doi, 73
C ₃ H ₆	+	Ar	15212	Fujimoto, 79
C ₃ H ₆	+	He	15212	Fujimoto, 79
C ₃ H ₆	+	Kr	15212	Fujimoto, 79
C ₃ H ₆	+	Ne	15212	Fujimoto, 79
C ₃ H ₆	+	Xe	15212	Fujimoto, 79
- -			13802	Sire, 78

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CO ₂	+	H ₂ O	8235	Andreev, 76
N ₂ O	+	- -	13991	Alamichel, 78
- -			7226	Gentry, 75
			7295	Sazonov, 75
			7633	Ovchinnikova, 75
			7686	Jolicard, 76
			7690	Nanbu, 75
			8021	Penner, 75
			8101	Fleming, 75
			8130	Hopf, 76
			8827	Pilling, 76
			8928	Stettler, 76
			8929	Gait, 76
			8931	Ficocelli Varracc, 76
			9103	Makowski, 76
			9290	Schatz, 77
			9561	Nikitin, 76
			9564	Connor, 76
			9565	Procaccia, 76
			9601	Yau, 77
			9762	Lam, 77
			9981	Gavrikov, 76
			10149	Dougherty, 77
			10155	Zheleznyak, 76
			10238	Oref, 77
			10337	Kutz, 74
			10340	Kay, 74
			10344	Nordholm, 74
			10347	Cady, 74
			10432	Nordholm, 74
			10433	Keizer, 74
			10434	Eastes, 74
			10441	Lahmani, 74
			10894	Hunter, 73
			10902	Weare, 73
			11063	Davis, 72
			11067	Fowler, 72
			11071	Secrest, 72
			11075	Lin, 72
			11081	Chiu, 72
			11082	Kelley, 72
			11124	Paerschke, 77
			11126	Muhle, 77
			11210	Bauer, 72
			11213	Wilson, 72
			11381	Morawitz, 71
			11391	Clarke, 71
			11395	Chiu, 71
			11402	Wong, 71
			11409	Jolicard, 78
			11523	Naidis, 76
			11911	Malins, 78
			11927	Rand, 70
			11959	Kelley, 70
			11965	Hsu, 70
			11992	Kelley, 70
			12019	Attermeyer, 70
			12073	Gelbart, 70

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CO	+	He	7755	Shizgal, 76
CO	+	CO	13544	Bray, 70
			15126	Wassam Jr., 79
DCI	+	D	14245	Weston Jr., 79
DCI	+	H	14245	Weston Jr., 79
HBr	+	Br	6632	Shin, 75
HCl	+	Cl	6632	Shin, 75
HCl	+	D	14245	Weston Jr., 79
HCl	+	H	14245	Weston Jr., 79
HF	+	F	6632	Shin, 75
HF	+	H	7061	Shin, 75
HF	+	HF	10332	Procaccia, 75
HI	+	Cl	6632	Shin, 75
N ₂	+	CO ₂	5425	Brunet, 72
N ₂			15004	Anketell, 70
CO ₂	+	Ar	8246	Gulyaeva, 75
CO ₂	+	Ne	8246	Gulyaeva, 75
CO ₂	+	N ₂	5425	Brunet, 72
			8246	Gulyaeva, 75
CO ₂	+	CO ₂	8246	Gulyaeva, 75

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- -	12145	Diestler, 71	Ar	+	Ar
	12191	Novikova, 76			6573 Dunn, 75
	12197	Lizengovich, 78			10271 Liu, 75
	12514	Tam, 72	Ar	+	He
	12533	Kiefer, 72	Ar	+	Kr
	12540	Shin, 73	Ar	+	
	12549	Breshears, 73			5764 Piper, 73
	12597	Shin, 74	Ar	+	Ne
	12607	Bergeron, 74	Ar	+	Xe
	12619	Manz, 75	Ar	+	CO
	12851	Ben-Shaul, 78			5764 Piper, 73
	12853	Herrick, 78			6573 Dunn, 75
	12881	Jensen, 78	Ar	+	Cl ₂
	12966	Zheleznyak, 76	Ar	+	D ₂
	12968	Kalanov, 76	Ar	+	HBr
	12969	Nikitin, 78	Ar	+	HCl
	13220	Caledonia, 72	Ar	+	H ₂
	13416	Ben-Aryeh, 74	Ar	+	
	14249	Levine, 79			5764 Piper, 73
	14253	Wassam Jr., 79			6573 Dunn, 75
	14611	Shamah, 78	Ar	+	Hl
	14644	Avramides, 79	Ar	+	N ₂
	14645	Zinovev, 77			5764 Piper, 73
	14804	Feldmann, 79			6339 Bochkova, 74
	14847	Tam, 72			6573 Dunn, 75
	14869	Clarke, 74			6781 Lee, 75
	14881	Nikitin, 73			8838 Sanders, 76
	14963	Huetz-Aubert, 74			9572 Le Calve, 77
	14992	Brau, 72			13263 Bochkova, 71
	15006	Callear, 78	Ar	+	NO
	15074	Gordon, 79			5764 Piper, 73
	15084	Safaryan, 70	Ar	+	O ₂
	15093	Rich, 70			6573 Dunn, 75
	15103	Scott, 74	Ar	+	BrCN
	15193	Rogovin, 73			5764 Piper, 73
	15227	Safaryan, 72	Ar	+	CO ₂
	15228	Gordiets, 74	Ar	+	CS ₂
	15230	Dashevskaya, 70	Ar	+	HCN
	15371	Shields, 70	Ar	+	N ₂ O
	15380	Huetz-Aubert, 73	Ar	+	OCS
	15419	Ender, 71			5764 Piper, 73

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Ar [.]	14034	Golde, 77	Ar	+	CF ₄
He [.]	14034	Golde, 77	Ar	+	CHF ₃
Kr [.]	14034	Golde, 77	Ar	+	CH ₄
Ne [.]	14034	Golde, 77	Ar	+	C ₂ H ₄
O [.]	14428	Schofield, 78	Ar	+	SF ₆
Xe [.]	14034	Golde, 77	Ar	+	
- -	10000	King, 76	Ar	+	C ₂ H ₆
	10553	Lemont, 77	Ar	+	C ₃ H ₈
	15156	Doering, 73	Ar	+	C ₄ H ₁₀
			Ar [.]	+	Ar
					7073 Bourrene, 75

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Ar*	+	Ar	7431	Copley, 75
			11916	Kolts, 78
			12769	King, 77
			13009	Nguyen, 78
			13018	Chang, 78
			13346	Catherinot, 78
			14960	Grandin, 73
Ar*	+	Cl	7197	King, 75
			9072	King, 77
			14651	Setser, 78
Ar*	+	H	11426	Clyne, 78
			14651	Setser, 78
			14751	Monkhouse, 76
Ar*	+	He	14960	Grandin, 73
Ar*	+	Kr	5418	Bourene, 73
			7285	Piper, 75
			14108	Velazco, 78
			14651	Setser, 78
			14960	Grandin, 73
Ar*	+	Ne	5796	Gersh, 73
			14960	Grandin, 73
Ar*	+	O	9072	King, 77
			12600	Piper, 74
			14651	Setser, 78
Ar*	+	Xe	5418	Bourene, 73
			6390	Klots, 74
			9072	King, 77
			12223	Chen, 78
			14108	Velazco, 78
			14651	Setser, 78
Ar*	+	Br ₂	8897	Velazco, 76
Ar*	+	CO	5418	Bourene, 73
			7073	Bourene, 75
			7243	Boxall, 75
			12581	De Jong, 74
			15309	Piper, 72
Ar*	+	Cl ₂	14108	Velazco, 78
Ar*	+	D ₂	5418	Bourene, 73
			14108	Velazco, 78
			15309	Piper, 72
Ar*	+	F ₂	8897	Velazco, 76
			12223	Chen, 78
			14108	Velazco, 78
Ar*	+	HBr	7318	Fraites, 76
			14108	Velazco, 78
Ar*	+	HCl	8897	Velazco, 76
			15309	Piper, 72
Ar*	+	H ₂	5418	Bourene, 73
			7073	Bourene, 75
			7243	Boxall, 75
			10220	McKenney, 77
			11043	Fink, 72
			14108	Velazco, 78

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Ar*	+	H ₂	15045	Bochkova, 78
			15309	Piper, 72
Ar*	+	HI	8897	Velazco, 76
			14108	Velazco, 78
Ar*	+	ICl	8897	Velazco, 76
Ar*	+	N ₂	5418	Bourene, 73
			7243	Boxall, 75
			7820	Martin, 75
			9766	Kolts, 77
			10320	Winicur, 74
			10661	Krenos, 77
			10918	Le Calve, 73
			12203	Parr, 78
Ar*	+	He	12581	De Jong, 74
Ar*	+	Kr	12944	Firestone, 78
			14050	Bennett, 78
			14108	Velazco, 78
			14651	Setser, 78
			15309	Piper, 72
Ar*	+	Ne	5418	Bourene, 73
			7243	Boxall, 75
			11008	Klots, 72
Ar*	+	O	5418	Bourene, 73
			5796	Gersh, 73
			7243	Boxall, 75
Ar*	+	Xe	5418	Bourene, 73
			6390	Klots, 74
			9072	King, 77
			12223	Chen, 78
			14108	Velazco, 78
			14651	Setser, 78
Ar*	+	Br ₂	8897	Velazco, 76
Ar*	+	CO	5418	Bourene, 73
			7073	Bourene, 75
			7243	Boxall, 75
			12581	De Jong, 74
			15309	Piper, 72
Ar*	+	Cl ₂	5418	Bourene, 73
Ar*	+	D ₂	5418	Bourene, 73
			11008	Klots, 72
			13756	Moseley, 72
Ar*	+	F ₂	5418	Bourene, 73
			14108	Velazco, 78
Ar*	+	HBr	5418	Bourene, 73
			11008	Klots, 72
			13756	Moseley, 72
Ar*	+	HCl	5418	Bourene, 73
			14108	Velazco, 78
Ar*	+	H ₂	5418	Bourene, 73
			7073	Bourene, 75
			7243	Boxall, 75
			10220	McKenney, 77
			11043	Fink, 72
			14108	Velazco, 78
Ar*	+	NO	5418	Bourene, 73
Ar*	+	O ₂	5418	Bourene, 73
			5796	Gersh, 73
			7243	Boxall, 75
Ar*	+	BrCN	8897	Velazco, 76
Ar*	+	CO ₂	5418	Bourene, 73
			12229	Fraites, 78
Ar*	+	CS ₂	5418	Bourene, 73
Ar*	+	D ₂ O	11907	Sheldon, 78
Ar*	+	H ₂ O	5418	Bourene, 73
			11907	Sheldon, 78
			12581	De Jong, 74
Ar*	+	H ₂ S	5418	Bourene, 73
			14108	Velazco, 78
Ar*	+	N ₂ O	5418	Bourene, 73
Ar*	+	NOCl	8897	Velazco, 76
Ar*	+	OCS	5418	Bourene, 73
Ar*	+	OF ₂	8897	Velazco, 76
Ar*	+	SO ₂	5418	Bourene, 73
Ar*	+	C ₂ H ₂	5418	Bourene, 73
			11008	Klots, 72
			13756	Moseley, 72
Ar*	+	COCl ₂	14108	Velazco, 78
Ar*	+	ND ₃	5418	Bourene, 73
Ar*	+	NF ₃	8897	Velazco, 76
			14108	Velazco, 78
Ar*	+	NH ₃	5418	Bourene, 73
Ar*	+	PCl ₃	8897	Velazco, 76
Ar*	+	SOCl ₂	14108	Velazco, 78

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Ar [.]	+	S ₂ Cl ₂	14108	Velazco,	78
Ar [.]	+	CBrF ₃	14108	Velazco,	78
Ar [.]	+	CCl ₄	5418	Bourene,	73
Ar [.]	+	CCl ₃ F	14108	Velazco,	78
Ar [.]	+	CD ₄	5418	Bourene,	73
Ar [.]	+	CF ₃ Cl	14108	Velazco,	78
Ar [.]	+	CF ₃ I	14108	Velazco,	78
Ar [.]	+	CHCl ₃	5418	Bourene,	73
Ar [.]	+	CH ₂ Cl ₂	5418	Bourene,	73
Ar [.]	+	CH ₃ Br	5418	Bourene,	73
Ar [.]	+	CH ₃ Cl	5418	Bourene,	73
Ar [.]	+	CH ₃ F	5418	Bourene,	73
			14108	Velazco,	78
Ar [.]	+	CH ₄	5418	Bourene,	73
			12581	De Jong,	74
Ar [.]	+	CH ₃ I	5418	Bourene,	73
Ar [.]	+	SF ₄	14108	Velazco,	78
Ar [.]	+	SO ₂ F ₂	8897	Velazco,	76
			14108	Velazco,	78
Ar [.]	+	C ₂ H ₄	5418	Bourene,	73
			11008	Klots,	72
			14108	Velazco,	78
Ar [.]	+	CF ₂ Cl ₃	14108	Velazco,	78
Ar [.]	+	CH ₃ CN	5418	Bourene,	73
Ar [.]	+	N ₂ F ₄	8897	Velazco,	76
Ar [.]	+	SF ₆	5418	Bourene,	73
			14108	Velazco,	78
Ar [.]	+	SeF ₆	8897	Velazco,	76
Ar [.]	+	TeF ₆	8897	Velazco,	76
Ar [.]	+	C ₂ H ₆	5418	Bourene,	73
			12581	De Jong,	74
Ar [.]	+	C ₃ H ₆	11008	Klots,	72
Ar [.]	+	C ₃ H ₈	5418	Bourene,	73
			12581	De Jong,	74
Ar [.]	+	C ₆ H ₄ Cl ₂	12581	De Jong,	74
Ar [.]	+	C ₆ H ₅ Cl	12581	De Jong,	74
Ar [.]	+	C ₆ H ₆	5418	Bourene,	73
			12581	De Jong,	74
Ar [.]	+	C ₄ H ₁₀	5418	Bourene,	73
			12581	De Jong,	74
Ar ⁺¹	+	Ar	10399	Liu,	74
As [.]	+	He	15151	Bevan,	75
As [.]	+	Xe	15151	Bevan,	75
As [.]	+	Cl ₂	14540	Husain,	77
As [.]	+	D ₂	15151	Bevan,	75

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As [.]	+	NO	14540	Husain,	77
			15151	Bevan,	75
As [.]	+	O ₂	14540	Husain,	77
			15151	Bevan,	75
As [.]	+	CO ₂	15151	Bevan,	75
As [.]	+	N ₂ O	14540	Husain,	77
			15151	Bevan,	75
As [.]	+	AsCl ₃	14540	Husain,	77
As [.]	+	C ₂ H ₂	14540	Husain,	77
As [.]	+	CH ₄	15151	Bevan,	75
As [.]	+	C ₂ H ₄	14540	Husain,	77
			15151	Bevan,	75
B	+	Ar	9113	Hannaford,	77
B	+	Kr	9113	Hannaford,	77
B	+	Ne	9113	Hannaford,	77
B	+	Xe	9113	Hannaford,	77
Ba [.]	+	CO	14493	Eversole,	79
Ba [.]	+	D ₂	14493	Eversole,	79
Ba [.]	+	H ₂	14493	Eversole,	79
Ba [.]	+	N ₂	14493	Eversole,	79
Ba ⁺¹	+	Ar	10148	Buttler,	78
Ba ⁺¹	+	Ba	14078	Kelly,	78
Ba ⁺¹	+	He	10148	Buttler,	78
Ba ⁺¹	+	Kr	10148	Buttler,	78
Ba ⁺¹	+	Ne	10148	Buttler,	78
Ba ⁺¹	+	Xe	10148	Buttler,	78
Bi	+	Ar	9626	Trainor,	77
Bi	+	Kr	9626	Trainor,	77
Bi	+	CO	9626	Trainor,	77
Bi	+	D ₂	9626	Trainor,	77
Bi	+	H ₂	9626	Trainor,	77
Bi	+	N ₂	9626	Trainor,	77
Bi	+	CO ₂	9626	Trainor,	77
Bi	+	SF ₆	9626	Trainor,	77
Bi [*]	+	Ar	9194	Trainor,	77
Bi [*]	+	He	8428	Bevan,	76
Bi [*]	+	Xe	8428	Bevan,	76
			9194	Trainor,	77
Bi [*]	+	CO	8428	Bevan,	76
			9194	Trainor,	77
Bi [*]	+	D ₂	8428	Bevan,	76
			9194	Trainor,	77
Bi [*]	+	H ₂	8428	Bevan,	76
			9194	Trainor,	77
Bi [*]	+	N ₂	8428	Bevan,	76

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Bi*	+	N ₂	9194	Trainor, 77
Bi*	+	O ₂	8428	Bevan, 76
			9194	Trainor, 77
Bi*	+	CO ₂	8428	Bevan, 76
			9194	Trainor, 77
Bi*	+	N ₂ O	8428	Bevan, 76
Bi*	+	C ₂ H ₄	8428	Bevan, 76
Bi*	+	SF ₆	9194	Trainor, 77
Br*	+	Br ₂	8418	Hariri, 76
			10098	Hariri, 77
			11292	Hariri, 78
Br*	+	D ₂	8291	Wiesenfeld, 76
			14508	Grimley, 79
Br*	+	HBr	5969	Leone, 74
Br*	+	HCl	5969	Leone, 74
			11312	Reisler, 78
Br*	+	HD	8291	Wiesenfeld, 76
			14508	Grimley, 79
Br*	+	HF	7870	Wodarczyk, 76
Br*	+	H ₂	8291	Wiesenfeld, 76
			14508	Grimley, 79
Br*	+	HI	7337	Bergmann, 75
Br*	+	CO ₂	7697	Petersen, 75
			10098	Hariri, 77
			11312	Reisler, 78
			12950	Reisler, 78
Br*	+	CS ₂	10098	Hariri, 77
Br*	+	HCN	8418	Hariri, 76
Br*	+	H ₂ O	11292	Hariri, 78
Br*	+	N ₂ O	7697	Petersen, 75
Br*	+	OCS	10098	Hariri, 77
C*	+	Ar	11040	Tschukow-Roux, 72
Ca	+	Ar	9099	Kosasa, 77
Cd	+	Ar	11467	Laniepce, 77
			13262	Aleksandrov, 71
Cd	+	He	11467	Laniepce, 77
			13262	Aleksandrov, 71
Cd	+	Kr	11467	Laniepce, 77
Cd	+	Ne	11467	Laniepce, 77
			13262	Aleksandrov, 71
Cd	+	Xe	11467	Laniepce, 77
			13262	Aleksandrov, 71
Cd	+	N ₂	11467	Laniepce, 77
Cd	+	NO	8837	Breckenridge, 76
Cd*	+	Ar	6446	Breckenridge, 74
			14054	Breckenridge, 78
			14956	Laniepce, 70
Cd*	+	Cd	12205	Alipieva, 77

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Cd*	+	Cs	14959	Laniepce, 72
Cd*	+	Cs	15051	Kartasheva, 78
Cd*	+	He	6043	Tibilov, 73
			6446	Breckenridge, 74
			14054	Breckenridge, 78
			14956	Laniepce, 70
Cd*	+	Kr	14956	Laniepce, 70
Cd*	+	Ne	12205	Alipieva, 77
			14956	Laniepce, 70
Cd*	+	Xe	14956	Laniepce, 70
Cd*	+	CO	14054	Breckenridge, 78
			14231	Breckenridge, 79
Cd*	+	D ₂	6446	Breckenridge, 74
			14054	Breckenridge, 78
Cd*	+	H ₂	6446	Breckenridge, 74
			14054	Breckenridge, 78
Cd*	+	HD	6446	Breckenridge, 74
			14054	Breckenridge, 78
Cd*	+	N ₂	6446	Breckenridge, 74
			14054	Breckenridge, 78
Cd*	+	CO ₂	14231	Breckenridge, 79
			14864	Czajkowski, 74
			14956	Laniepce, 70
Cd*	+	NO	14959	Laniepce, 72
			15024	Umemoto, 79
Cd*	+	CF ₄	15063	Bulyshev, 79
Cd*	+	CH ₄	14054	Breckenridge, 78
Cd*	+	C ₂ H ₄	6446	Breckenridge, 74
Cd*	+	SF ₆	6446	Breckenridge, 74
			14054	Breckenridge, 78
Cd ⁺¹	+	He	15409	Hamel, 74
Cl*	+	Ar	11089	Fletcher, 78
Cl*	+	He	9773	Fletcher, 77
			11089	Fletcher, 78
Cl*	+	Kr	11089	Fletcher, 78
Cl*	+	Ne	11089	Fletcher, 78
Cl*	+	Xe	11089	Fletcher, 78
Cl*	+	Cl ₂	9773	Fletcher, 77
Cl*	+	O ₂	9773	Fletcher, 77

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Cl ⁺	+	CCl ₄	9773	Fletcher, 77
Cs	+	Ar	7019	Cuvellier, 75
			10461	Dmitrieva, 77
			13717	Beverini, 71
Cs	+	Cs	9908	Pendrill, 77
			13717	Beverini, 71
Cs	+	He	7019	Cuvellier, 75
			10461	Dmitrieva, 77
			10662	Franz, 77
			13717	Beverini, 71
Cs	+	Kr	7019	Cuvellier, 75
Cs	+	Ne	7019	Cuvellier, 75
			10662	Franz, 77
			13717	Beverini, 71
Cs	+	Xe	7019	Cuvellier, 75
			10461	Dmitrieva, 77
Cs	+	H ₂	8212	Lukaszewicz, 75
			10461	Dmitrieva, 77
Cs	+	N ₂	6753	Kielkopf, 75
			10461	Dmitrieva, 77
			13717	Beverini, 71
Cs ⁺	+	Ar	5718	Cuvellier, 73
			13252	Altman, 70
			14858	Siara, 74
Cs ⁺	+	Cs	9381	Deech, 77
			11470	Yabuzaki, 78
			12192	Tam, 78
Cs ⁺	+	He	5718	Cuvellier, 73
			11937	Dashevskaya, 70
			14858	Siara, 74
Cs ⁺	+	Kr	5718	Cuvellier, 73
			14858	Siara, 74
Cs ⁺	+	Ne	5718	Cuvellier, 73
			9643	Legowski, 77
			14858	Siara, 74
Cs ⁺	+	Xe	5718	Cuvellier, 73
			14858	Siara, 74
Cs ⁺	+	D ₂	14856	Walentynowicz, 74
Cs ⁺	+	HD	14856	Walentynowicz, 74
Cs ⁺	+	H ₂	5921	Lijnse, 73
			7843	Krause, 75
			14856	Walentynowicz, 74
Cs ⁺	+	N ₂	5921	Lijnse, 73
			7843	Krause, 75
			13437	Franz, 75
Cs ⁺	+	O ₂	5921	Lijnse, 73
Cs ⁺	+	H ₂ O	5921	Lijnse, 73
Cs ⁺	+	CD ₄	7843	Krause, 75
			14855	Walentynowicz, 74
Cs ⁺	+	CD ₃ H	14855	Walentynowicz, 74
Cs ⁺	+	CH ₂ D ₂	14855	Walentynowicz, 74

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Cs ⁺	+	CH ₃ D	14855	Walentynowicz, 74
Cs ⁺	+	CH ₄	7843	Krause, 75
			14855	Walentynowicz, 74
Cs ⁺	+	C ₂ H ₆	14856	Walentynowicz, 74
Cs ⁺	+	C ₃ H ₈	14856	Walentynowicz, 74
Cu ⁺	+	Ar	8123	Trainor, 76
Cu ⁺	+	He	8123	Trainor, 76
Cu ⁺	+	Xe	8123	Trainor, 76
Cu ⁺	+	CO	8123	Trainor, 76
Cu ⁺	+	N ₂	8123	Trainor, 76
Cu ⁺	+	O ₂	8123	Trainor, 76
Cu ⁺	+	CO ₂	8123	Trainor, 76
Cu ⁺	+	SF ₆	8123	Trainor, 76
D ⁺	+	Xe	12046	Wood, 70
D ⁺	+	DCl	12046	Wood, 70
D ⁺	+	H ₂	13208	Dose, 71
D ⁺	+	N ₂	14734	Koch, 79
D ⁺	+	CO ₂	12046	Wood, 70
D ⁺	+	CF ₄	12046	Wood, 70
Eu ⁺	+	Ar	9581	Sahm, 77
Eu ⁺	+	He	9581	Sahm, 77
Eu ⁺	+	Kr	9581	Sahm, 77
Eu ⁺	+	Ne	9581	Sahm, 77
Eu ⁺	+	Xe	9581	Sahm, 77
Eu ⁺	+	Eu	10097	Karlov, 77
Ge ⁺	+	He	8509	Brown, 76
Ge ⁺	+	Xe	8509	Brown, 76
Ge ⁺	+	CO	8509	Brown, 76
Ge ⁺	+	NO	8509	Brown, 76
Ge ⁺	+	O ₂	8509	Brown, 76
Ge ⁺	+	GeBr ₄	8509	Brown, 76
Ge ⁺	+	Xe	11090	Chowdhury, 77
Ge ⁺	+	CO	11090	Chowdhury, 77
Ge ⁺	+	D ₂	11090	Chowdhury, 77
Ge ⁺	+	H ₂	11090	Chowdhury, 77
Ge ⁺	+	N ₂	11090	Chowdhury, 77
Ge ⁺	+	NO	11090	Chowdhury, 77
Ge ⁺	+	O ₂	11090	Chowdhury, 77
Ge ⁺	+	CO ₂	11090	Chowdhury, 77
Ge ⁺	+	N ₂ O	11090	Chowdhury, 77
Ge ⁺	+	C ₂ H ₂	11090	Chowdhury, 77
Ge ⁺	+	CF ₄	11090	Chowdhury, 77
Ge ⁺	+	CHF ₃	11090	Chowdhury, 77

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Ge ⁺	+	CH ₄	11090	Chowdhury, 77
Ge ⁺	+	C ₂ H ₄	11090	Chowdhury, 77
Ge ⁺	+	SF ₆	11090	Chowdhury, 77
H ⁺	+	Ar	9865	Roussel, 77
H ⁺	+	He	9865	Roussel, 77
H ⁺	+	Kr	9865	Roussel, 77
H ⁺	+	Ne	9865	Roussel, 77
H ⁺	+	Xe	9865	Roussel, 77
H ⁺	+	H ₂	8842	Lewis, 76
			9865	Roussel, 77
			13008	Dubreuil, 78
H ⁺	+	C ₂ D ₄	15344	Gordon, 73
H ⁺	+	C ₂ H ₄	15344	Gordon, 73
H ⁺	+	C ₃ H ₆	15344	Gordon, 73
H ⁺	+	Ar	5365	Kass, 73
			7185	Dose, 75
			7821	Roussel, 75
			9893	Ryan, 77
			13184	Byron Jr., 70
			13629	Gilbody, 74
			13746	Krotkov, 72
			14289	McKee, 79
H ⁺	+	Cs	13425	Pradel, 74
H ⁺	+	D	15048	Follmer, 79
H ⁺	+	He	5365	Kass, 73
			7185	Dose, 75
			7821	Roussel, 75
			9893	Ryan, 77
			11968	Braun, 70
			13184	Byron Jr., 70
			13199	Kass, 71
			13223	Dose, 74
			13629	Gilbody, 74
			13746	Krotkov, 72
			14289	McKee, 79
H ⁺	+	Kr	5365	Kass, 73
			9111	Roussel, 77
			9893	Ryan, 77
			13629	Gilbody, 74
			14289	McKee, 79
H ⁺	+	Ne	9111	Roussel, 77
			9893	Ryan, 77
			13184	Byron Jr., 70
			14289	McKee, 79
H ⁺	+	Xe	9111	Roussel, 77
			9893	Ryan, 77
H ⁺	+	D ₂	11968	Braun, 70
H ⁺	+	H ₂	7821	Roussel, 75
			9111	Roussel, 77
			9893	Ryan, 77

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H*	+	H ₂	11968	Braun, 70
			13144	Catherinot, 78
			13184	Byron Jr., 70
			13234	Dose, 74
			13629	Gilbody, 74
			14289	McKee, 79
H*	+	N ₂	9893	Ryan, 77
			11968	Braun, 70
			12047	Shukla, 70
			13184	Byron Jr., 70
			13629	Gilbody, 74
H*	+	O ₂	12047	Shukla, 70
			12047	Shukla, 70
			14510	Quickenden, 79
H*	+	NH ₃	9893	Ryan, 77
H*	+	CH ₃ OH	9893	Ryan, 77
He ⁺	+	He	10871	Dotchin, 73
			13246	Vasilenko, 70
He ⁺	+	Ne	10402	Arrathoon, 74
He ⁺	+	N ₂	8838	Sanders, 76
He ⁺	+	Ar	5754	Bogdanova, 73
			6368	Lindinger, 74
			8908	Nayefeh, 76
			8987	Lee, 76
			9383	Brutschy, 76
			10686	Tolmachev, 77
			11105	Pitchford, 78
			11978	Schmeltekopf, 70
			12228	McCullough, 78
			13660	Maio, 75
			13756	Moseley, 72
			14724	Yokoyama, 79
			14732	Hitachi, 79
He ⁺	+	H	15197	Pradel, 74
He ⁺	+	He	5865	Krause Jr., 72
			6915	Kvater, 75
			7360	Thompson, 75
			8985	Wine, 76
			8996	Shaw, 76
			9000	Gauthier, 76
			9121	Bagaev, 76
			10231	Ogintz, 77
			10681	Miller, 77
			10917	Hunter Jr., 73
			11188	Collins, 72
			11194	Wellenstein, 72
			12228	McCullough, 78
			13198	Dupont-Roc, 71
			13243	Bogdanova, 70
			13276	Pavlovskaya, 73
			13283	Kvater, 73
			13345	Bagaev, 78
			13390	Morgenstern, 73
			13391	Lenamon, 73
			13392	Olson, 73

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He*	+	He	13745	Rosner,	72
			13801	Jordan,	78
			14496	Lawler,	79
			14655	Fukuda,	79
			14732	Hitachi,	79
			14859	Pinard,	74
He*	+	Kr	8908	Nayfeh,	76
			11978	Schmeltekopf,	70
			13660	Maio,	75
			14105	Collins,	79
			14724	Yokoyama,	79
			14732	Hitachi,	79
He*	+	Ne	5379	Ionikh,	71
			5755	Ionikh,	73
			6096	Aubes,	74
			6368	Lindinger,	74
			7753	Leasure,	76
			8908	Nayfeh,	76
			8987	Lee,	76
			11978	Schmeltekopf,	70
			13660	Maio,	75
			14732	Hitachi,	79
He*	+	Rb ⁺¹	15397	Gudkov,	73
He*	+	Xe	5754	Bogdanova,	73
			6368	Lindinger,	74
			8908	Nayfeh,	76
			11978	Schmeltekopf,	70
			13660	Maio,	75
			14105	Collins,	79
			14724	Yokoyama,	79
			14732	Hitachi,	79
He*	+	CO	8987	Lee,	76
			11978	Schmeltekopf,	70
			14724	Yokoyama,	79
He*	+	D ₂	11978	Schmeltekopf,	70
			14724	Yokoyama,	79
He*	+	HBr	14105	Collins,	79
He*	+	HCl	14105	Collins,	79
He*	+	H ₂	6368	Lindinger,	74
			11978	Schmeltekopf,	70
			12228	McCullough,	78
			14105	Collins,	79
			14724	Yokoyama,	79
He*	+	N ₂	6368	Lindinger,	74
			8987	Lee,	76
			9777	Myers,	77
			11978	Schmeltekopf,	70
			12228	McCullough,	78
			13756	Moseley,	72
He*	+	NO	11978	Schmeltekopf,	70
			14105	Collins,	79
			14724	Yokoyama,	79
He*	+	O ₂	6368	Lindinger,	74
			9777	Myers,	77

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He*	+	O ₂	11978	Schmeltekopf,	70
			14105	Collins,	79
			14724	Yokoyama,	79
He*	+	CO ₂	6368	Lindinger,	74
			8987	Lee,	76
			11978	Schmeltekopf,	70
He*	+	H ₂ O	14105	Collins,	79
			14724	Yokoyama,	79
He*	+	N ₂ O	11978	Schmeltekopf,	70
			14105	Collins,	79
			14724	Yokoyama,	79
He*	+	NO ₂	14105	Collins,	79
He*	+	SO ₂	14724	Yokoyama,	79
He*	+	C ₂ H ₂	13756	Moseley,	72
He*	+	NH ₃	6368	Lindinger,	74
			11978	Schmeltekopf,	70
			14105	Collins,	79
			14724	Yokoyama,	79
He*	+	CCl ₄	14724	Yokoyama,	79
He*	+	CCl ₃ F	14105	Collins,	79
He*	+	CCl ₂ F ₂	14105	Collins,	79
He*	+	CH ₄	8987	Lee,	76
			11978	Schmeltekopf,	70
			14724	Yokoyama,	79
He*	+	SF ₆	11978	Schmeltekopf,	70
			14724	Yokoyama,	79
He*	+	C ₂ H ₆	11978	Schmeltekopf,	70
			14105	Collins,	79
He*	+	C ₃ H ₈	11978	Schmeltekopf,	70
			14105	Collins,	79
He*	+	C ₄ H ₁₀	11978	Schmeltekopf,	70
He*	+	Ar	6396	Prior,	74
He*	+	He	6396	Prior,	74
He*	+	Kr	6396	Prior,	74
He*	+	Xe	6396	Prior,	74
He*	+	H ₂	6396	Prior,	74
He*	+	N ₂	6396	Prior,	74
He*	+	O ₂	6396	Prior,	74
He*	+	CO ₂	6396	Prior,	74
He*	+	H ₂ O	6396	Prior,	74
He*	+	NH ₃	6396	Prior,	74
He*	+	CCl ₄	6396	Prior,	74
Hg	+	Cd	10465	Cheron,	77
Hg	+	Hg	9789	Stock,	77
			13286	Bochkova,	74
			15407	Bochkova,	73
Hg	+	CO	6477	Burnham,	74

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Hg	+	CO	8818	Liu, 76
			11045	Van Itallie, 72
			12455	Callear, 70
Hg	+	D ₂	8818	Liu, 76
Hg	+	H ₂	8818	Liu, 76
Hg	+	N ₂	6477	Burnham, 74
			8818	Liu, 76
			10141	Phillips, 76
			11586	Degani, 78
Hg	+	NO	8818	Liu, 76
Hg	+	O ₂	8818	Liu, 76
			12455	Callear, 70
Hg	+	CO ₂	11045	Van Itallie, 72
Hg	+	D ₂ O	11045	Van Itallie, 72
Hg	+	H ₂ O	11045	Van Itallie, 72
Hg	+	ND ₃	11045	Van Itallie, 72
Hg	+	NH ₃	8818	Liu, 76
			11045	Van Itallie, 72
Hg	+	CH ₄	8818	Liu, 76
Hg	+	C ₂ H ₆	8818	Liu, 76
			11045	Van Itallie, 72
Hg	+	C ₃ H ₆	11045	Van Itallie, 72
Hg	+	C ₃ D ₈	11045	Van Itallie, 72
Hg	+	C ₃ H ₆ D ₂	11045	Van Itallie, 72
Hg	+	C ₃ H ₈	11045	Van Itallie, 72
Hg	+	C ₄ H ₁₀	11045	Van Itallie, 72
Hg [*]	+	Ar	7716	Lecler, 76
			14851	Phaneuf, 73
			14962	Lahaye, 74
Hg [*]	+	Cd	6280	Morozov, 73
			7241	Chernon, 74
			14864	Czajkowski, 74
			15117	Cremer, 78
Hg [*]	+	He	7716	Lecler, 76
			11045	Van Itallie, 72
			11789	Lukaszewski, 78
			14851	Phaneuf, 73
			14962	Lahaye, 74
Hg [*]	+	Hg	6678	Vienne-Casalta, 75
			10134	Jacobson, 77
			11993	Waddell, 70
			12446	Freeman, 70
			13179	Dodsworth, 70
			14958	Cheron, 71
			14962	Lahaye, 74
Hg [*]	+	I	13249	Kraulinya, 70
Hg [*]	+	Kr	7716	Lecler, 76
			14851	Phaneuf, 73
			14962	Lahaye, 74
Hg [*]	+	Na	13261	Bogdanova, 71

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Hg [*]	+	Na	14849	Czajkowski, 73
Hg [*]	+	Ne	7716	Lecler, 76
			14851	Phaneuf, 73
			14962	Lahaye, 74
Hg [*]	+	Tl	11101	Kraulinya, 77
			12236	Wade, 78
Hg [*]	+	Xe	7716	Lecler, 76
			9068	Phillips, 77
			11045	Van Itallie, 72
Hg [*]	+	Zn	6280	Morozov, 73
			8084	Czajkowski, 76
			15117	Cremer, 78
Hg [*]	+	CN	12554	Vikis, 73
			12565	Vikis, 73
Hg [*]	+	CO	5791	Fushiki, 73
			6106	Michael, 74
			9068	Phillips, 77
			9515	Costello, 77
			10140	Rockwood, 77
Hg [*]	+	Cl ₂	14498	Horiguchi, 79
			14845	Deech, 71
			15139	Horiguchi, 71
			15141	Horiguchi, 74
			15297	Callear, 71
Hg [*]	+	Cl ₂	12623	Krause, 75
Hg [*]	+	D ₂	5301	Krause, 73
			11045	Van Itallie, 72
			11942	Vikis, 70
			14845	Deech, 71
Hg [*]	+	HD	11045	Van Itallie, 72
Hg [*]	+	HF	14817	Heydtmann, 71
Hg [*]	+	H ₂	5301	Krause, 73
			6106	Michael, 74
			9068	Phillips, 77
			11045	Van Itallie, 72
			11942	Vikis, 70
			11975	Michael, 70
Hg [*]	+	HgCl	12442	Callear, 70
			12455	Callear, 70
			14845	Deech, 71
			14922	Nishikawa, 71
			15141	Horiguchi, 74
Hg [*]	+	HgH	12554	Vikis, 73
Hg [*]	+	NH	12554	Vikis, 73
Hg [*]	+	N ₂	5301	Krause, 73
			5362	Pitre, 72
			6493	Laniepce, 74
			7716	Lecler, 76

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Hg [*]	+	N ₂	8308	Horiguchi, 75
			9515	Costello, 77
			11045	Van Itallie, 72
			12258	Barrat-Rambosso, 78
			12623	Krause, 75
			13513	Oka, 78
			14845	Deeche, 71
			14851	Phaneuf, 73
			15139	Horiguchi, 71
Hg [*]	+	NO	5301	Krause, 73
			6106	Michael, 74
			8886	Krause, 76
			9068	Phillips, 77
			11045	Van Itallie, 72
			12442	Callear, 70
			12455	Callear, 70
			14498	Horiguchi, 79
			15139	Horiguchi, 71
			15141	Horiguchi, 74
Hg [*]	+	OH	12554	Vikis, 73
Hg [*]	+	O ₂	6106	Michael, 74
			9068	Phillips, 77
			11045	Van Itallie, 72
			14845	Deeche, 71
			15141	Horiguchi, 74
Hg [*]	+	CO ₂	9068	Phillips, 77
			9515	Costello, 77
			12442	Callear, 70
			12455	Callear, 70
			14845	Deeche, 71
Hg [*]	+	D ₂ O	9068	Phillips, 77
Hg [*]	+	H ₂ O	9068	Phillips, 77
Hg [*]	+	N ₂ O	6106	Michael, 74
			9068	Phillips, 77
			12455	Callear, 70
			15141	Horiguchi, 74
Hg [*]	+	C ₂ H ₂	15141	Horiguchi, 74
Hg [*]	+	NH ₃	9068	Phillips, 77
			12430	Freeman, 70
			12455	Callear, 70
Hg [*]	+	CCl ₄	12623	Krause, 75
Hg [*]	+	CD ₄	11045	Van Itallie, 72
Hg [*]	+	CHCl ₃	12623	Krause, 75
Hg [*]	+	CH ₂ Cl ₂	12623	Krause, 75
Hg [*]	+	CH ₃ Cl	12623	Krause, 75
Hg [*]	+	CH ₄	5301	Krause, 73
			9068	Phillips, 77
			11045	Van Itallie, 72
			11942	Vikis, 70
			12455	Callear, 70
Hg [*]	+	C ₂ H ₄	6106	Michael, 74
			9068	Phillips, 77
			11045	Van Itallie, 72

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Hg [*]	+	C ₂ H ₄	11942	Vikis, 70
			12455	Callear, 70
			15141	Horiguchi, 74
Hg [*]	+	C ₂ D ₆	11045	Van Itallie, 72
Hg [*]	+	C ₂ F ₆	11045	Van Itallie, 72
Hg [*]	+	C ₂ H ₆	11942	Vikis, 70
			12455	Callear, 70
Hg [*]	+	C ₃ H ₆	6106	Michael, 74
			11942	Vikis, 70
			15141	Horiguchi, 74
Hg [*]	+	C ₃ H ₆ D ₂	11942	Vikis, 70
Hg [*]	+	C ₃ H ₈	11942	Vikis, 70
			12455	Callear, 70
			15141	Horiguchi, 74
Hg [*]	+	C ₆ H ₆	11045	Van Itallie, 72
Hg [*]	+	C ₄ H ₈	6106	Michael, 74
			11045	Van Itallie, 72
Hg [*]	+	C ₄ D ₁₀	11045	Van Itallie, 72
Hg [*]	+	C ₄ H ₁₀	11942	Vikis, 70
			15141	Horiguchi, 74
I	+	DBr	9585	Wiesenfeld, 77
I	+	HBr	9585	Wiesenfeld, 77
I	+	CD ₃ H	10286	Donovan, 74
I	+	CH ₄	9585	Wiesenfeld, 77
I	+	CH ₃ I	10286	Donovan, 74
I	+	C ₂ H ₅ F	8830	Comes, 76
			9896	Husain, 77
I	+	C ₃ H ₈	9585	Wiesenfeld, 77
I'	+	Cl	11320	Grimley, 78
I'	+	Br ₂	11886	Hofmann, 78
I'	+	BrCl	11886	Hofmann, 78
I'	+	CO	7156	Lin, 75
I'	+	Cl ₂	11886	Hofmann, 78
I'	+	DBr	9069	Donovan, 76
I'	+	DCl	9069	Donovan, 76
I'	+	D ₂	14274	Grimley, 79
			15254	Deakin, 72
I'	+	DI	9069	Donovan, 76
			8419	Pritt Jr., 76
			9069	Donovan, 76
			11320	Grimley, 78
			11778	Fotakis, 78
			12931	Houston, 77
			12932	Pritt Jr., 77
I'	+	HCl	8419	Pritt Jr., 76
			9069	Donovan, 76
I'	+	H ₂	12931	Houston, 77
			12932	Pritt Jr., 77
I'	+	HD	6487	Butcher, 74

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I ⁺	+	HD	14274	Grimley, 79
I ⁺	+	HF	8419	Pritt Jr., 76
			9275	Coombe, 77
			12932	Pritt Jr., 77
I ⁺	+	H ₂	14274	Grimley, 79
			15254	Deakin, 72
I ⁺	+	HI	8419	Pritt Jr., 76
			9069	Donovan, 76
			12932	Pritt Jr., 77
I ⁺	+	IBr	11886	Hofmann, 78
I ⁺	+	ICI	11886	Hofmann, 78
I ⁺	+	I ₂	6630	Burde, 75
			7182	Burde, 75
			7313	Arnold, 75
			7726	Burde, 76
			10046	Kartazaev, 77
			10659	Penkin, 77
			11886	Hofmann, 78
I ⁺	+	N ₂	15254	Deakin, 72
I ⁺	+	NO	11320	Grimley, 78
			15254	Deakin, 72
I ⁺	+	O ₂	5767	Harshbarger, 73
			7726	Burde, 76
			12483	Deakin, 71
			15254	Deakin, 72
			15310	Derwent, 72
I ⁺	+	CO ₂	7726	Burde, 76
I ⁺	+	D ₂ O	7726	Burde, 76
			9069	Donovan, 76
			12247	Grimley, 78
I ⁺	+	HCN	14093	Fotakis, 79
I ⁺	+	HDO	12247	Grimley, 78
I ⁺	+	H ₂ O	7726	Burde, 76
			9069	Donovan, 76
			12247	Grimley, 78
			15254	Deakin, 72
I ⁺	+	HgI ₂	13937	Hofmann, 78
I ⁺	+	OCS	14093	Fotakis, 79
I ⁺	+	C ₂ H ₂	15254	Deakin, 72
I ⁺	+	CH ₃	7774	Palmer, 76
I ⁺	+	H ₂ O ₂	7726	Burde, 76
I ⁺	+	NH ₃	14093	Fotakis, 79
I ⁺	+	CD ₄	5669	Strain, 73
I ⁺	+	CD ₃ I	11093	Donovan, 77
			14067	Fotakis, 78
			14422	Dobychin, 78
I ⁺	+	CF ₃ I	14422	Dobychin, 78
I ⁺	+	CH ₄	15254	Deakin, 72
I ⁺	+	CH ₃ I	7774	Palmer, 76
			14067	Fotakis, 78

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I ⁺	+	C ₂ D ₄	11093	Donovan, 77
I ⁺	+	C ₂ H ₄	15254	Deakin, 72
I ⁺	+	C ₂ F ₅ I	14422	Dobychin, 78
I ⁺	+	C ₂ H ₆	15254	Deakin, 72
I ⁺	+	C ₃ D ₆	11093	Donovan, 77
I ⁺	+	C ₃ F ₇ I	14422	Dobychin, 78
I ⁺	+	C ₃ H ₈	5669	Strain, 73
			15254	Deakin, 72
I ⁺	+	C ₆ D ₆	11902	Donovan, 78
I ⁺	+	C ₆ H ₆	11902	Donovan, 78
K ⁺	+	Ar	8430	Gounand, 76
			9788	Lewis, 77
			14746	Speller, 79
			14850	Niewitecka, 73
K ⁺	+	Cd	15063	Bulyshev, 79
K ⁺	+	He	8430	Gounand, 76
			9788	Lewis, 77
			14654	Cuvellier, 79
			14746	Speller, 79
			14850	Niewitecka, 73
K ⁺	+	K	8430	Gounand, 76
K ⁺	+	Kr	9788	Lewis, 77
			14746	Speller, 79
K ⁺	+	Ne	9788	Lewis, 77
			14746	Speller, 79
			14850	Niewitecka, 73
K ⁺	+	Xe	8430	Gounand, 76
			9788	Lewis, 77
			14746	Speller, 79
K ⁺	+	DCl	6323	Earl, 74
K ⁺	+	D ₂	6323	Earl, 74
K ⁺	+	HCl	6323	Earl, 74
K ⁺	+	H ₂	6293	Lijnse, 74
			6323	Earl, 74
			14850	Niewitecka, 73
K ⁺	+	I ₂	6323	Earl, 74
K ⁺	+	N ₂	6293	Lijnse, 74
			6323	Earl, 74
			15063	Bulyshev, 79
K ⁺	+	O ₂	6293	Lijnse, 74
K ⁺	+	D ₂ O	6323	Earl, 74
K ⁺	+	H ₂ O	5966	Earl, 73
			6293	Lijnse, 74
			6323	Earl, 74
K ⁺	+	SO ₂	6323	Earl, 74
K ⁺	+	CD ₄	6323	Earl, 74
			14850	Niewitecka, 73
K ⁺	+	CF ₃ Cl	6323	Earl, 74
K ⁺	+	CF ₄	5966	Earl, 73

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K ⁺	+	CF ₄	6323	Earl.	74
K ⁺	+	CH ₄	5966	Earl.	73
			6323	Earl.	74
			14850	Niewitecka,	73
K ⁺	+	C ₂ D ₄	6323	Earl.	74
K ⁺	+	C ₂ H ₄	6323	Earl.	74
K ⁺	+	CH ₃ OH	6323	Earl.	74
K ⁺	+	C ₂ D ₆	6323	Earl.	74
K ⁺	+	C ₂ H ₆	6323	Earl.	74
Kr ⁺	+	Ar	11821	Brechignac,	78
			11916	Kolts,	78
Kr ⁺	+	He	11821	Brechignac,	78
Kr ⁺	+	Hg	7983	Lee,	76
			14108	Velazco,	78
Kr ⁺	+	Kr	9630	Lefevre-Seguin,	77
Kr ⁺	+	Xe	8301	Damaschini,	76
Kr ⁺	+	Br ₂	14108	Velazco,	78
Kr ⁺	+	CO	14108	Velazco,	78
Kr ⁺	+	Cl ₂	8897	Velazco,	76
			14108	Velazco,	78
Kr ⁺	+	ClF	14108	Velazco,	78
Kr ⁺	+	D ₂	14108	Velazco,	78
Kr ⁺	+	F ₂	8897	Velazco,	76
			14108	Velazco,	78
Kr ⁺	+	H ₂	14108	Velazco,	78
Kr ⁺	+	I ⁻ Br	14108	Velazco,	78
Kr ⁺	+	I ⁻ Cl	14108	Velazco,	78
Kr ⁺	+	N ₂	14108	Velazco,	78
Kr ⁺	+	NO	14108	Velazco,	78
Kr ⁺	+	O ₂	5796	Gersh,	73
			14108	Velazco,	78
Kr ⁺	+	CO ₂	14108	Velazco,	78
Kr ⁺	+	CS ₂	14108	Velazco,	78
Kr ⁺	+	D ₂ O	11907	Sheldon,	78
Kr ⁺	+	H ₂ O	11907	Sheldon,	78
Kr ⁺	+	N ₂ O	14108	Velazco,	78
Kr ⁺	+	NOF	8897	Velazco,	76
Kr ⁺	+	OF ₂	8897	Velazco,	76
			14108	Velazco,	78
Kr ⁺	+	SO ₂	14108	Velazco,	78
Kr ⁺	+	BF ₃	14108	Velazco,	78
Kr ⁺	+	C ₂ N ₂	14108	Velazco,	78
Kr ⁺	+	COCl ₂	14108	Velazco,	78
Kr ⁺	+	NF ₃	8897	Velazco,	76
			14108	Velazco,	78

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Kr ⁺	+	NH ₃	14108	Velazco,	78
Kr ⁺	+	PH ₃	14108	Velazco,	78
Kr ⁺	+	SOCl ₂	14108	Velazco,	78
Kr ⁺	+	S ₂ Cl ₂	14108	Velazco,	78
Kr ⁺	+	CBrF ₃	14108	Velazco,	78
Kr ⁺	+	CCl ₄	14108	Velazco,	78
Kr ⁺	+	CF ₃ Cl	14108	Velazco,	78
Kr ⁺	+	CF ₄	14108	Velazco,	78
Kr ⁺	+	CF ₃ I	14108	Velazco,	78
Kr ⁺	+	CHF ₃	14108	Velazco,	78
Kr ⁺	+	CH ₂ F ₂	14108	Velazco,	78
Kr ⁺	+	CH ₃ F	14108	Velazco,	78
Kr ⁺	+	CH ₄	14108	Velazco,	78
Kr ⁺	+	SiCl ₄	14108	Velazco,	78
Kr ⁺	+	SiF ₄	14108	Velazco,	78
Kr ⁺	+	N ₂ F ₄	8897	Velazco,	76
Kr ⁺	+	SF ₆	14108	Velazco,	78
Kr ⁺	+	C ₂ H ₆	14108	Velazco,	78
Kr ⁺	+	Kr	7320	Donnelly,	75
Li ⁺	+	Ar	14746	Speller,	79
Li ⁺	+	He	14746	Speller,	79
Li ⁺	+	Kr	14746	Speller,	79
Li ⁺	+	Ne	14746	Speller,	79
Li ⁺	+	Xe	14746	Speller,	79
Li ⁺	+	CO	8289	Lin,	76
Li ⁺	+	D ₂	8289	Lin,	76
Li ⁺	+	H ₂	8289	Lin,	76
Li ⁺	+	I ₂	8289	Lin,	76
Li ⁺	+	N ₂	8289	Lin,	76
Li ⁺	+	CO ₂	8289	Lin,	76
Li ⁺	+	C ₂ H ₄	8289	Lin,	76
Li ⁺	+	C ₂ F ₆	8289	Lin,	76
Li ⁺	+	C ₂ H ₆	8289	Lin,	76
Mg ⁺	+	CO	8833	Taieb,	76
Mg ⁺	+	H ₂	8833	Taieb,	76
Mg ⁺	+	N ₂	8833	Taieb,	76
Mg ⁺	+	O ₂	8833	Taieb,	76
Mg ⁺	+	CO ₂	8833	Taieb,	76
Mg ⁺	+	N ₂ O	8833	Taieb,	76
Mg ⁺	+	C ₂ H ₂	8833	Taieb,	76

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Mg ⁺	+	He	7191	Blickensderfer,	75
Mg ⁺	+	CO	7191	Blickensderfer,	75
Mg ⁺	+	H ₂	7191	Blickensderfer,	75
Mg ⁺	+	N ₂	7191	Blickensderfer,	75
Mg ⁺	+	C ₂ H ₂	7191	Blickensderfer,	75
Mg ⁺	+	CH ₄	7191	Blickensderfer,	75
Mg ⁺	+	C ₆ H ₆	7191	Blickensderfer,	75
N ⁺	+	Ar	11361	Lin,	71
N ⁺	+	He	11361	Lin,	71
N ⁺	+	N	6779	Young,	75
			14770	Taghipour,	79
N ⁺	+	O	6779	Young,	75
			8213	Davenport,	76
N ⁺	+	CO	6779	Young,	75
			15292	Husain,	74
N ⁺	+	H ₂	6779	Young,	75
			15292	Husain,	74
			15311	Husain,	72
N ⁺	+	N ₂	8205	Slanger,	76
			11361	Lin,	71
			15056	Catherinot,	79
			15292	Husain,	74
			15311	Husain,	72
N ⁺	+	NO	6779	Young,	75
			11361	Lin,	71
			15292	Husain,	74
			15311	Husain,	72
N ⁺	+	O ₂	6779	Young,	75
			11361	Lin.	71
			15292	Husain,	74
			15311	Husain,	72
N ⁺	+	CO ₂	11361	Lin,	71
			15292	Husain,	74
N ⁺	+	H ₂ O	8205	Slanger,	76
N ⁺	+	N ₂ O	6779	Young,	75
			11361	Lin,	71
			15292	Husain,	74
			15311	Husain,	72
N ⁺¹	+	Ar	13389	Moore Jr.,	73
N ⁺¹	+	He	13389	Moore Jr.,	73
N ⁺¹	+	Ne	13389	Moore Jr.,	73
N ⁺¹	+	O ₂	13389	Moore Jr.,	73
Na ⁺	+	Ar	10657	Phillips,	77
			11812	Biraben,	78
			15001	Elbel,	73
Na ⁺	+	He	11812	Biraben,	78
			13258	Dashevskaya,	71
			15001	Elbel,	73
			15223	Soboll,	73

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Na ⁺	+	Kr	10657	Phillips,	77
			11812	Biraben,	78
			15001	Elbel,	73
Na ⁺	+	Na	8866	Allegrini,	76
Na ⁺	+	Ne	10657	Phillips,	77
			11812	Biraben,	78
			15001	Elbel,	73
Na ⁺	+	Xe	11812	Biraben,	78
			15001	Elbel,	73
Na ⁺	+	D ₂	15223	Soboll,	73
Na ⁺	+	H ₂	15223	Soboll,	73
Na ⁺	+	I ₂	6758	Bersohn,	75
Na ⁺	+	N ₂	12069	Milne,	70
			13012	Humphrey,	78
			14853	Czajkowski,	73
Na ⁺	+	Ar	9142	Phillips,	77
			12747	Flusberg,	78
			14285	Biraben,	79
			14354	Flusberg,	79
			14746	Speller,	79
			14749	Gallagher,	79
			14863	Niewitecka,	74
			15003	Elbel,	74
Na ⁺	+	He	12747	Flusberg,	78
			14285	Biraben,	79
			14354	Flusberg,	79
			14746	Speller,	79
			14749	Gallagher,	79
			14863	Niewitecka,	74
			15003	Elbel,	74
Na ⁺	+	I	12036	Brus,	70
Na ⁺	+	K	7165	Allegrini,	75
Na ⁺	+	Kr	9142	Phillips,	77
			14285	Biraben,	79
			14746	Speller,	79
			14863	Niewitecka,	74
			15003	Elbel,	74
Na ⁺	+	He	12747	Flusberg,	78
			14285	Biraben,	79
			14354	Flusberg,	79
			14746	Speller,	79
			14749	Gallagher,	79
			14863	Niewitecka,	74
			15003	Elbel,	74
Na ⁺	+	I	12036	Brus,	70
Na ⁺	+	K	7165	Allegrini,	75
Na ⁺	+	Kr	9142	Phillips,	77
			14285	Biraben,	79
			14746	Speller,	79
			14863	Niewitecka,	74
			15003	Elbel,	74
Na ⁺	+	He	12747	Flusberg,	78
			14285	Biraben,	79
			14354	Flusberg,	79
			14746	Speller,	79
			14749	Gallagher,	79
			14863	Niewitecka,	74
			15003	Elbel,	74
Na ⁺	+	Na	6971	Chen,	75
Na ⁺	+	Na	11239	Gallagher,	78
Na ⁺	+	Na	6971	Chen,	75
Na ⁺	+	Na	11239	Gallagher,	78
Na ⁺	+	Ne	6943	Biraben,	75
			9142	Phillips,	77
			14285	Biraben,	79
			14354	Flusberg,	79
			14746	Speller,	79
			14863	Niewitecka,	74
			15003	Elbel,	74
Na ⁺	+	Rb	7822	Pritchard,	75
Na ⁺	+	Xe	14285	Biraben,	79
			14746	Speller,	79
			14749	Gallagher,	79
			14863	Niewitecka,	74
			15003	Elbel,	74
Na ⁺	+	Br ₂	6323	Earl,	74

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Na [*]	+	Br ₂	12036	Brus, 70	Ne	+	Ne	13340	Graubner, 78
Na [*]	+	CO	8288	Barker, 76				13571	Carrington, 72
			8438	Hsu, 76	Ne [*]	+	Ar	11657	Brom Jr., 78
			9176	Hertel, 77				13756	Moseley, 72
			10658	Hertel, 77				14724	Yokoyama, 79
			14526	Hertel, 79	Ne [*]	+	He	7707	Leichner, 75
Na [*]	+	D ₂	6323	Earl, 74				9267	Hennecart, 77
			8288	Barker, 76				13256	Kotlikov, 71
			9176	Hertel, 77				13719	Arrathoon, 71
			10658	Hertel, 77				15066	Webster, 79
Na [*]	+	H ₂	5568	Lijnse, 73	Ne [*]	+	Kr	11657	Brom Jr., 78
			6323	Earl, 74	Ne [*]	+	Ne	6260	Phelps, 59
			8288	Barker, 76				7707	Leichner, 75
			9176	Hertel, 77				7709	Grandin, 75
			10658	Hertel, 77				9876	Pinard, 77
Na [*]	+	I ₂	4765	Earl, 72				10462	Monteil, 77
			12036	Brus, 70				13256	Kotlikov, 71
Na [*]	+	N ₂	5371	Lijnse, 72				14393	Prins, 77
			5457	Barker, 73				15210	Sierra, 79
			8160	Hertel, 76	Ne [*]	+	Ne [*]	15410	Yamagishi, 74
			8288	Barker, 76	Ne [*]	+	Xe	8904	Nakata, 76
			9112	Hertel, 77	Ne [*]	+	CO	11657	Brom Jr., 78
			9176	Hertel, 77	Ne [*]	+	Cl ₂	11657	Brom Jr., 78
			10361	Gallagher, 78	Ne [*]	+	F ₂	11657	Brom Jr., 78
			10658	Hertel, 77	Ne [*]	+	HCl	11657	Brom Jr., 78
			12484	Mintz, 71	Ne [*]	+	H ₂	11657	Brom Jr., 78
			14526	Hertel, 79	Ne [*]	+	N ₂	11657	Brom Jr., 78
Na [*]	+	Na ₂	11407	Lam, 78	Ne [*]	+	N ₂ O	11657	Brom Jr., 78
Na [*]	+	O ₂	5568	Lijnse, 73	Ne [*]	+	NF ₃	14724	Yokoyama, 79
			9176	Hertel, 77	Ne [*]	+	N ₂ F ₄	11657	Brom Jr., 78
Na [*]	+	CO ₂	4765	Earl, 72	Ne [*]	+	SF ₆	14724	Yokoyama, 79
			8288	Barker, 76	No [*]	+	N ₂ [*]	11956	Fontijn, 70
			9176	Hertel, 77	O	+	Ar	5429	Atkinson, 72
Na [*]	+	D ₂ O	6323	Earl, 74				10275	Stief, 75
Na [*]	+	H ₂ O	5371	Lijnse, 72	O	+	He	10275	Stief, 75
			6323	Earl, 74				7284	Davidson, 76
Na [*]	+	N ₂ O	9176	Hertel, 77	O	+	Ne	5962	Slanger, 74
Na [*]	+	SO ₂	4765	Earl, 72				6389	Lin, 74
Na [*]	+	CF ₃ Cl	4765	Earl, 72	O	+	CO	7284	Davidson, 76
Na [*]	+	CF ₄	6323	Earl, 74				5429	Atkinson, 72
Na [*]	+	CH ₄	6323	Earl, 74	O	+	H ₂	7284	Davidson, 76
Na [*]	+	C ₂ H ₄	4765	Earl, 72	O	+	N ₂	5429	Atkinson, 72
			8288	Barker, 76				5962	Slanger, 74
			9176	Hertel, 77	O	+	D ₂	7284	Davidson, 76
Na [*]	+	CH ₃ CN	4765	Earl, 72	O	+	HCl	7284	Davidson, 76
Na [*]	+	CH ₃ OH	6323	Earl, 74	O	+	O ₂	7284	Davidson, 76
Na [*]	+	C ₂ H ₆	6323	Earl, 74	O	+	O ₂	5429	Atkinson, 72
Na [*]	+	C ₆ H ₆	4765	Earl, 72				7284	Davidson, 76
Ne	+	He	13014	Hennecart, 78				5429	Atkinson, 72
			13340	Graubner, 78				7284	Davidson, 76
			13571	Carrington, 72					
Ne	+	Ne	13014	Hennecart, 78					

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O	+	CO ₂	5429	Atkinson, 72
			7284	Davidson, 76
			11010	Loucks, 72
			11145	Loucks, 72
O	+	H ₂ O	7284	Davidson, 76
O	+	N ₂ O	7284	Davidson, 76
O	+	O ₃	7284	Davidson, 76
O	+	NH ₃	7284	Davidson, 76
O	+	CH ₄	7284	Davidson, 76
O ⁻	+	Ar	10965	Marx, 73
O ⁻	+	N ₂ O	10965	Marx, 73
O ⁺	+	Ar	5647	Roth, 73
			10314	Cunningham, 74
			11922	Davidson, 78
			12017	Filseth, 70
			15149	Heidner III, 74
O ⁺	+	He	5376	Heidner III, 72
			5647	Roth, 73
			12017	Filseth, 70
			12102	Scott, 71
			15149	Heidner III, 74
O ⁺	+	Kr	11922	Davidson, 78
			12017	Filseth, 70
			12447	Donovan, 70
			15149	Heidner III, 74
O ⁺	+	N	5855	Felder, 72
O ⁺	+	Ne	5647	Roth, 73
			12017	Filseth, 70
			15149	Heidner III, 74
O ⁺	+	O	5855	Felder, 72
			8136	Slanger, 76
O ⁺	+	Xe	10314	Cunningham, 74
			11922	Davidson, 78
			12017	Filseth, 70
			12076	Biedenkapp, 70
			12102	Scott, 71
			12128	Paraskevopoulos, 71
			12447	Donovan, 70
			15149	Heidner III, 74
O ⁺	+	CO	5647	Roth, 73
			5799	Heidner III, 73
			7156	Lin, 75
			8122	Shortridge, 76
			11137	Clark, 72
			11920	Davidson, 78
			12017	Filseth, 70
			12039	Noxon, 70
			15142	Heidner III, 73
O ⁺	+	D ₂	15148	Heidner III, 73
O ⁺	+	H ₂	5647	Roth, 73
			12017	Filseth, 70
			12447	Donovan, 70
			15148	Heidner III, 73

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O ⁺	+	N ₂	5647	Roth, 73
			5799	Heidner III, 73
			11137	Clark, 72
			11972	Webster III, 70
			12017	Filseth, 70
			12039	Noxon, 70
			12076	Biedenkapp, 70
			12108	Slanger, 71
			12111	Loewenstein, 71
			12137	Gauthier, 71
			12447	Donovan, 70
			12480	Paraskevopoulos, 71
			14713	Sheridan, 79
			14929	Sipler, 72
			15142	Heidner III, 73
O ⁺	+	NO	5647	Roth, 73
			11106	Slanger, 78
			12017	Filseth, 70
			15148	Heidner III, 73
O ⁺	+	O ₂	5388	Slanger, 72
			5640	Koroleva, 72
			5647	Roth, 73
			5799	Heidner III, 73
			10683	Nowak, 77
			11107	Slanger, 78
			11137	Clark, 72
			11328	Gilpin, 71
			11972	Webster III, 70
			12017	Filseth, 70
			12039	Noxon, 70
			12061	DeMore, 70
			12076	Biedenkapp, 70
			12102	Scott, 71
			12111	Loewenstein, 71
			12128	Paraskevopoulos, 71
			12137	Gauthier, 71
			12466	McCullough, 71
			12480	Paraskevopoulos, 71
			13281	Koroleva, 73
			13352	Lee, 78
			15142	Heidner III, 73
O ⁺	+	CO ₂	5647	Roth, 73
			5799	Heidner III, 73
			11106	Slanger, 78
			11137	Clark, 72
			12017	Filseth, 70
			12039	Noxon, 70
			12102	Scott, 71
			12108	Slanger, 71
			12111	Loewenstein, 71
			12128	Paraskevopoulos, 71
			12447	Donovan, 70
			12480	Paraskevopoulos, 71
			12631	Shortridge, 75
			15142	Heidner III, 73
O ⁺	+	H ₂ O	5647	Roth, 73

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O* +	H ₂ O	5799	Heidner III,	73
		8417	Bingham,	76
		11106	Slanger,	78
		12017	Filseth,	70
		12480	Paraskevopoulos,	71
		14510	Quickenden,	79
		15142	Heidner III,	73
O* +	N ₂ O	5647	Roth,	73
		8420	Slanger,	76
		11106	Slanger,	78
		12017	Filseth,	70
		12128	Paraskevopoulos,	71
		12447	Donovan,	70
		15148	Heidner III,	73
O* +	NO ₂	12017	Filseth,	70
		12128	Paraskevopoulos,	71
		15148	Heidner III,	73
O* +	O ₃	5376	Heidner III,	72
		5799	Heidner III,	73
		12039	Noxon,	70
		12961	Amimoto,	78
		15142	Heidner III,	73
O* +	SO ₂	5647	Roth,	73
O* +	COCl ₂	14107	Fletcher,	78
O* +	COFCl	14107	Fletcher,	78
O* +	COF ₂	14107	Fletcher,	78
O* +	H ₂ O ₂	9003	Fletcher,	76
O* +	NH ₃	9003	Fletcher,	76
		12017	Filseth,	70
O* +	SO ₃	5647	Roth,	73
O* +	C ₃ O ₂	15148	Heidner III,	73
O* +	CCl ₂ F ₂	8298	Fletcher,	76
O* +	CH ₄	12017	Filseth,	70
		12447	Donovan,	70
		15148	Heidner III,	73
O* +	C ₂ H ₄	12017	Filseth,	70
O* +	SF ₆	12017	Filseth,	70
		12102	Scott,	71
		12128	Paraskevopoulos,	71
O* +	C ₂ H ₆	9003	Fletcher,	76
		12017	Filseth,	70
O* +	C ₃ H ₈	9003	Fletcher,	76
O ⁺¹ +	O	10133	Orsini,	77
		11086	Torr,	77
		13019	Torr,	78
O ⁺¹ +	CO	13512	Glosik,	78
O ⁺¹ +	N ₂	13512	Glosik,	78
O ⁺¹ +	NO	13512	Glosik,	78
O ⁺¹ +	O ₂	13512	Glosik,	78
P +	Ar	10989	Acuna,	73

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P +	Kr	10989	Acuna,	73
P +	Xe	10989	Acuna,	73
P +	CO	10989	Acuna,	73
P +	H ₂	10909	Acuna,	73
P +	N ₂	10989	Acuna,	73
P +	NO	10989	Acuna,	73
P +	O ₂	10909	Acuna,	73
P +	CO ₂	10989	Acuna,	73
P +	N ₂ O	10989	Acuna,	73
P +	PCl ₃	10909	Acuna,	73
		10989	Acuna,	73
P +	CH ₄	10989	Acuna,	73
P +	C ₂ H ₄	10989	Acuna,	73
P* +	Cl ₂	15288	Acuna,	73
P* +	HCl	15288	Acuna,	73
P* +	C ₂ H ₂	15288	Acuna,	73
P* +	CF ₃ Cl	15288	Acuna,	73
P* +	CF ₄	15288	Acuna,	73
P* +	CHF ₃	15288	Acuna,	73
P* +	SF ₆	15288	Acuna,	73
P* +	C ₂ H ₆	15288	Acuna,	73
Pb +	Ar	7331	Ewing,	74
Pb +	Xe	7331	Ewing,	74
Pb +	D ₂	7331	Ewing,	74
Pb +	H ₂	7331	Ewing,	74
Pb +	N ₂	7331	Ewing,	74
Pb +	O ₂	7331	Ewing,	74
Pb* +	Ar	8299	Mandl,	76
		13748	Gibbs,	72
		15065	Bolshov,	79
		15150	Husain,	74
Pb* +	H	11896	Brady,	78
Pb* +	He	12522	Husain,	72
		13748	Gibbs,	72
		15065	Bolshov,	79
		15150	Husain,	74
		15287	Husain,	72
Pb* +	K	15065	Bolshov,	79
Pb* +	Kr	8299	Mandl,	76
Pb* +	Ne	8299	Mandl,	76
		13748	Gibbs,	72
		15065	Bolshov,	79
Pb* +	Xe	8299	Mandl,	76
		12522	Husain,	72
		13748	Gibbs,	72
		15287	Husain,	72
Pb* +	CO	5801	Husain,	73

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Pb*	+	CO	8299	Mandl,	76
			15150	Husain,	74
			15287	Husain,	72
Pb*	+	D ₂	8299	Mandl,	76
			13748	Gibbs,	72
			15150	Husain,	74
Pb*	+	H ₂	8299	Mandl,	76
			12522	Husain,	72
			13748	Gibbs,	72
			15065	Bolshov,	79
			15150	Husain,	74
			15287	Husain,	72
Pb*	+	N ₂	5801	Husain,	73
			8299	Mandl,	76
			13748	Gibbs,	72
			15065	Bolshov,	79
			15150	Husain,	74
			15287	Husain,	72
Pb*	+	NO	5801	Husain,	73
			15150	Husain,	74
			15287	Husain,	72
Pb*	+	O ₂	12522	Husain,	72
			15150	Husain,	74
			15287	Husain,	72
Pb*	+	CO ₂	5801	Husain,	73
			8299	Mandl,	76
			15065	Bolshov,	79
			15150	Husain,	74
			15287	Husain,	72
Pb*	+	H ₂ O	15065	Bolshov,	79
Pb*	+	N ₂ O	5801	Husain,	73
			15150	Husain,	74
			15287	Husain,	72
Pb*	+	C ₂ H ₂	5801	Husain,	73
			15150	Husain,	74
			15287	Husain,	72
Pb*	+	NH ₃	15065	Bolshov,	79
Pb*	+	CF ₄	5801	Husain,	73
			8299	Mandl,	76
			15150	Husain,	74
			15287	Husain,	72
Pb*	+	CH ₄	5801	Husain,	73
			8299	Mandl,	76
			15065	Bolshov,	79
			15150	Husain,	74
			15287	Husain,	72
Pb*	+	C ₂ H ₄	5801	Husain,	73
			15150	Husain,	74
			15287	Husain,	72
Pb*	+	SF ₆	5801	Husain,	73
			8299	Mandl,	76
			15150	Husain,	74
			15287	Husain,	72

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Rb	+	Ar	7240	Bouchiat,	75
			9578	Gounand,	77
			13289	Yakobson,	74
			13743	Papp,	72
Rb	+	He	9182	Doebler,	77
			9578	Gounand,	77
			13258	Dashevskaya,	71
			13743	Papp,	72
Rb	+	Kr	9182	Doebler,	77
			13289	Yakobson,	74
Rb	+	Ne	9578	Gounand,	77
			13289	Yakobson,	74
Rb	+	Rb	9578	Gounand,	77
			13289	Yakobson,	74
Rb	+	Xe	9182	Doebler,	77
			13289	Yakobson,	74
Rb	+	N ₂	13289	Yakobson,	74
Rb*	+	Ar	6768	Kamke,	75
			10653	Gounand,	77
			11046	Bouchiat,	72
			11937	Dashevskaya,	70
			14728	Hugon,	79
			14746	Speller,	79
			14809	Hugon,	79
			14846	Siara,	72
Rb*	+	He	6768	Kamke,	75
			9631	Brouillaud,	77
			10653	Gounand,	77
			11937	Dashevskaya,	70
			14727	Hugon,	79
			14728	Hugon,	79
			14746	Speller,	79
			14809	Hugon,	79
			14846	Siara,	72
Rb*	+	Kr	6768	Kamke,	75
			11046	Bouchiat,	72
			14746	Speller,	79
			14846	Siara,	72
Rb*	+	Ne	6768	Kamke,	75
			10653	Gounand,	77
			14746	Speller,	79
			14846	Siara,	72
Rb*	+	Rb	10653	Gounand,	77
			14726	Gounand,	79
			14728	Hugon,	79
			14846	Siara,	72
Rb*	+	Xe	6768	Kamke,	75
			9631	Brouillaud,	77
			11046	Bouchiat,	72
			11937	Dashevskaya,	70
			14728	Hugon,	79
			14746	Speller,	79
			14809	Hugon,	79
			14846	Siara,	72

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Rb ⁺	+	D ₂	14839	Hrycshyn,	70
			14848	Siara,	73
Rb ⁺	+	HD	14848	Siara,	73
Rb ⁺	+	H ₂	14839	Hrycshyn,	70
			14848	Siara,	73
			14972	Lijnse,	73
Rb ⁺	+	N ₂	14839	Hrycshyn,	70
			14848	Siara,	73
			14972	Lijnse,	73
Rb ⁺	+	O ₂	14972	Lijnse,	73
Rb ⁺	+	H ₂ O	14972	Lijnse,	73
Rb ⁺	+	CD ₄	14839	Hrycshyn,	70
			14848	Siara,	73
Rb ⁺	+	CH ₄	14839	Hrycshyn,	70
			14848	Siara,	73
Rb ⁺	+	C ₂ H ₄	14839	Hrycshyn,	70
Rb ⁺	+	C ₂ H ₆	14839	Hrycshyn,	70
S	+	Ar	5763	Dunn,	73
S	+	CO	5763	Dunn,	73
S	+	H ₂	5763	Dunn,	73
S	+	NO	5763	Dunn,	73
S	+	O ₂	5763	Dunn,	73
S	+	CO ₂	5763	Dunn,	73
S	+	CS ₂	5763	Dunn,	73
S	+	H ₂ S	5763	Dunn,	73
S	+	N ₂ O	5763	Dunn,	73
S	+	NO ₂	5763	Dunn,	73
S	+	OCS	5763	Dunn,	73
S	+	SO ₂	5763	Dunn,	73
S	+	C ₂ H ₂	5763	Dunn,	73
S	+	CH ₄	5763	Dunn,	73
S	+	C ₂ H ₄	5763	Dunn,	73
S	+	C ₂ H ₆	5763	Dunn,	73
S ⁺	+	Xe	11944	Breckenridge,	70
S ⁺	+	CO	11944	Breckenridge,	70
S ⁺	+	CO ₂	11944	Breckenridge,	70
S ⁺	+	CS ₂	11944	Breckenridge,	70
S ⁺	+	N ₂ O	11944	Breckenridge,	70
S ⁺	+	OCS	11944	Breckenridge,	70
S ⁺	+	SF ₆	11944	Breckenridge,	70
S ⁺¹	+	H ₂	14241	Tichy,	79
S ⁺¹	+	NO	14241	Tichy,	79
S ⁺¹	+	O ₂	14241	Tichy,	79
S ⁺¹	+	CO ₂	14241	Tichy,	79
S ⁺¹	+	H ₂ O	14241	Tichy,	79
S ⁺¹	+	NH ₃	14241	Tichy,	79

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S ⁺¹	+	CH ₄	14241	Tichy,	79
Se ⁺	+	Ar	11581	Donovan,	78
Se ⁺	+	He	11581	Donovan,	78
Se ⁺	+	Kr	11581	Donovan,	78
Se ⁺	+	Ne	11581	Donovan,	78
Se ⁺	+	Xe	11581	Donovan,	78
Si ⁺	+	He	9906	Husain,	77
			11504	Husain,	78
			12964	Husain,	78
Si ⁺	+	Kr	12964	Husain,	78
Si ⁺	+	Xe	12964	Husain,	78
Si ⁺	+	CO	11504	Husain,	78
Si ⁺	+	Cl ₂	11504	Husain,	78
Si ⁺	+	H ₂	11504	Husain,	78
Si ⁺	+	N ₂	11504	Husain,	78
Si ⁺	+	NO	11504	Husain,	78
Si ⁺	+	O ₂	9906	Husain,	77
			11504	Husain,	78
Si ⁺	+	CO ₂	11504	Husain,	78
Si ⁺	+	N ₂ O	9906	Husain,	77
			11504	Husain,	78
Si ⁺	+	C ₂ H ₂	11504	Husain,	78
Si ⁺	+	CF ₄	11504	Husain,	78
Si ⁺	+	CH ₄	11504	Husain,	78
Si ⁺	+	SiCl ₄	9906	Husain,	77
			11504	Husain,	78
Si ⁺	+	C ₂ H ₄	11504	Husain,	78
Sn ⁺	+	Ar	6658	Foo,	75
			7746	Foo,	76
Sn ⁺	+	Kr	7746	Foo,	76
Sn ⁺	+	Xe	7746	Foo,	76
Sn ⁺	+	CO	7746	Foo,	76
			15152	Brown,	75
			15291	Brown,	75
Sn ⁺	+	D ₂	6658	Foo,	75
			7746	Foo,	76
			15291	Brown,	75
Sn ⁺	+	HD	7746	Foo,	76
Sn ⁺	+	H ₂	6658	Foo,	75
			7746	Foo,	76
Sn ⁺	+	N ₂	7746	Foo,	76
			15152	Brown,	75
Sn ⁺	+	NO	7746	Foo,	76
			15291	Brown,	75
Sn ⁺	+	O ₂	6658	Foo,	75
			7746	Foo,	76
Sn ⁺	+	CO ₂	7746	Foo,	76

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Sn ⁺	+	CO ₂	15152	Brown,	75	Tl ⁺	+	Kr	13978	Aleksandrov,	78
			15291	Brown,	75	Tl ⁺	+	Ne	11983	Bellisio,	70
Sn ⁺	+	N ₂ O	15152	Brown,	75	Tl ⁺	+	Tl	13978	Aleksandrov,	78
			15291	Brown,	75	Tl ⁺	+	Xe	13978	Aleksandrov,	78
Sn ⁺	+	C ₂ D ₂	7746	Foo,	76	Tl ⁺	+	CO	11983	Bellisio,	70
Sn ⁺	+	C ₂ H ₂	7746	Foo,	76				12559	Wiesenfeld,	73
			15152	Brown,	75	Tl ⁺	+	D ₂	12559	Wiesenfeld,	73
			15291	Brown,	75	Tl ⁺	+	H ₂	8089	Gelbhaar,	76
Sn ⁺	+	CF ₄	7746	Foo,	76				11983	Bellisio,	70
			15291	Brown,	75	Tl ⁺	+	I ₂	12036	Brus,	70
Sn ⁺	+	CHF ₃	7746	Foo,	76				8089	Gelbhaar,	76
			15291	Brown,	75	Tl ⁺	+	N ₂	11983	Bellisio,	70
Sn ⁺	+	CH ₄	7746	Foo,	76				13978	Aleksandrov,	78
			15152	Brown,	75				14068	Wade,	78
			15291	Brown,	75	Tl ⁺	+	NO	11983	Bellisio,	70
Sn ⁺	+	C ₂ D ₄	7746	Foo,	76	Tl ⁺	+	O ₂	11983	Bellisio,	70
Sn ⁺	+	C ₂ H ₄	7746	Foo,	76				12559	Wiesenfeld,	73
			15152	Brown,	75	Tl ⁺	+	TlBr	11983	Bellisio,	70
Sr ⁺	+	CO	9147	Jansen,	77	Tl ⁺	+	TlCl	11983	Bellisio,	70
			14971	Hollander,	73	Tl ⁺	+	TlI	11983	Bellisio,	70
Sr ⁺	+	H ₂	14970	Hollander,	72	Tl ⁺	+	CO ₂	11983	Bellisio,	70
Sr ⁺	+	N ₂	9147	Jansen,	77	Tl ⁺	+	CF ₄	15307	Foo,	75
			14970	Hollander,	72	Tl ⁺	+	CHF ₃	15307	Foo,	75
Sr ⁺	+	O ₂	9147	Jansen,	77	Tl ⁺	+	CH ₄	11983	Bellisio,	70
			14970	Hollander,	72	Tl ⁺	+	C ₂ H ₄	11983	Bellisio,	70
Sr ⁺	+	CO ₂	9147	Jansen,	77	Tl ⁺	+	C ₂ H ₆	12559	Wiesenfeld,	73
			14971	Hollander,	73	Tl ⁺	+	C ₃ H ₆	11983	Bellisio,	70
Sr ⁺	+	H ₂ O	14970	Hollander,	72	Tl ⁺	+	C ₃ H ₈	11983	Bellisio,	70
Tl ⁺	+	Ar	13182	Gibbs,	70	Tl ⁺	+	He	9860	Suzuki,	77
			13273	Rebane,	72	Xe	+	Xe	9860	Suzuki,	77
			15224	Gelbhaar,	75	Xe ⁺	+	Ar	6445	Atzman,	74
Tl ⁺	+	He	13182	Gibbs,	70				9201	Gleason,	77
			13273	Rebane,	72				11763	Chenevier,	78
			15224	Gelbhaar,	75				11916	Kolts,	78
Tl ⁺	+	Kr	13182	Gibbs,	70	Xe ⁺	+	Hg	14108	Velazco,	78
			13273	Rebane,	72	Xe ⁺	+	Xe	8075	Leichner,	76
			15224	Gelbhaar,	75				9630	Lefevre-Seguin,	7
Tl ⁺	+	Ne	13182	Gibbs,	70				10144	Sadeghi,	77
			13273	Rebane,	72				11597	Tracy,	78
			15224	Gelbhaar,	75	Xe ⁺	+	Br ₂	13287	Zhitnikov,	74
Tl ⁺	+	Xe	13182	Gibbs,	70				8897	Velazco,	76
			13273	Rebane,	72	Xe ⁺	+	CO	14108	Velazco,	78
			15224	Gelbhaar,	75	Xe ⁺	+	Cl ₂	6059	Velazco,	74
Tl ⁺	+	H ₂	13242	Rityn,	70				6059	Velazco,	74
Tl ⁺	+	I ₂	11368	Gedeon,	71						
Tl ⁺	+	N ₂	13242	Rityn,	70						
Tl ⁺	+	Ar	11983	Bellisio,	70						
			13978	Aleksandrov,	78						
Tl ⁺	+	He	11983	Bellisio,	70						
			13978	Aleksandrov,	78						

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Xe*	+	Cl ₂	8897	Velazco,	76
			14108	Velazco,	78
Xe ⁺	+	ClF	14108	Velazco,	78
Xe ⁺	+	F ₂	8897	Velazco,	76
			14108	Velazco,	78
Xe ⁺	+	HBr	6059	Velazco,	74
			8897	Velazco,	76
Xe ⁺	+	HCl	6059	Velazco,	74
			8897	Velazco,	76
Xe ⁺	+	H ₂	6059	Velazco,	74
			15045	Bochkova,	78
Xe ⁺	+	ICl	8897	Velazco,	76
Xe ⁺	+	N ₂	6059	Velazco,	74
			6398	Nguyen,	74
			11597	Tracy,	78
Xe ⁺	+	NO	6059	Velazco,	74
			14108	Velazco,	78
Xe ⁺	+	O ₂	6059	Velazco,	74
Xe ⁺	+	CO ₂	6059	Velazco,	74
Xe ⁺	+	H ₂ S	14108	Velazco,	78
Xe ⁺	+	N ₂ O	6059	Velazco,	74
Xe ⁺	+	NOCl	8897	Velazco,	76
Xe ⁺	+	NOF	8897	Velazco,	76
			14108	Velazco,	78
Xe ⁺	+	OF ₂	8897	Velazco,	76
Xe ⁺	+	C ₂ H ₂	7181	Velazco,	75
			14108	Velazco,	78
Xe ⁺	+	NF ₃	8897	Velazco,	76
Xe ⁺	+	NH ₃	14730	Kellert,	79
Xe ⁺	+	SOCl ₂	14108	Velazco,	78
Xe ⁺	+	S ₂ Cl ₂	14108	Velazco,	78
Xe ⁺	+	CBrF ₃	14108	Velazco,	78
Xe ⁺	+	CF ₄	7181	Velazco,	75
			14108	Velazco,	78
Xe ⁺	+	CF ₃ I	8897	Velazco,	76
Xe ⁺	+	CHF ₃	7181	Velazco,	75
			14108	Velazco,	78
Xe ⁺	+	CH ₂ F ₂	7181	Velazco,	75
			14108	Velazco,	78
Xe ⁺	+	CH ₃ F	7181	Velazco,	75
			14108	Velazco,	78
Xe ⁺	+	CH ₄	6059	Velazco,	74
			7181	Velazco,	75
Xe ⁺	+	C ₂ H ₄	7181	Velazco,	75
			14108	Velazco,	78
Xe ⁺	+	SF ₆	6059	Velazco,	74
			14108	Velazco,	78
Xe ⁺	+	SeF ₆	8897	Velazco,	76

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Xe ⁺	+	TeF ₆	8897	Velazco,	76
Xe ⁺	+	C ₂ H ₆	6059	Velazco,	74
			7181	Velazco,	75
Xe ⁺	+	C ₃ H ₈	14108	Velazco,	78
Xe ⁺²	+	He	14778	Johnsen,	79
Xe ⁺²	+	Ne	14778	Johnsen,	79
Yb ⁺¹	+	Ar	10148	Buttler,	78
Yb ⁺¹	+	He	10148	Buttler,	78
Yb ⁺¹	+	Kr	10148	Buttler,	78
Yb ⁺¹	+	Ne	10148	Buttler,	78
Yb ⁺¹	+	Xe	10148	Buttler,	78
Zn	+	Ar	11467	Laniepce,	77
Zn	+	Cd	13255	Penkin,	71
Zn	+	He	11467	Laniepce,	77
Zn	+	Hg	13255	Penkin,	71
Zn	+	Kr	11467	Laniepce,	77
Zn	+	Ne	11467	Laniepce,	77
Zn	+	Xe	11467	Laniepce,	77
Zn	+	Zn	13255	Penkin,	71
Zn	+	N ₂	11467	Laniepce,	77
Zn ⁺	+	CO	14536	Breckenridge,	79
Zn ⁺	+	D ₂	14536	Breckenridge,	79
Zn ⁺	+	HD	14536	Breckenridge,	79
Zn ⁺	+	H ₂	14536	Breckenridge,	79
Zn ⁺	+	N ₂	8084	Czajkowski,	76
Zn ⁺	+	NO	8832	Breckenridge,	76
Zn ⁺	+	CH ₄	14536	Breckenridge,	79
Zn ⁺	+	C ₂ H ₆	14536	Breckenridge,	79
Zn ⁺	+	C ₃ H ₈	14536	Breckenridge,	79
Zn ⁺	+	C ₄ H ₁₀	14536	Breckenridge,	79
Ar ₂ ⁺	+	Xe	10574	Cheshnovsky,	73
Ar ₂ ⁺	+	N ₂	14047	Chen,	79
ArF ⁺	+	Ar	10197	Rokni,	77
			12202	Chen,	78
ArF ⁺	+	F ₂	10197	Rokni,	77
			12202	Chen,	78
BaCl	+	Ar	9899	Edelstein,	77
			10667	Edelstein,	77
			13987	Edelstein,	79
BaCl	+	He	13987	Edelstein,	79
BaCl	+	N ₂	13987	Edelstein,	79
BaCl ⁺	+	Ar	14081	Edelstein,	79
BaCl ⁺	+	He	14081	Edelstein,	79
BaCl ⁺	+	N ₂	14081	Edelstein,	79
BaO	+	Ar	9898	Felder,	77

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BaO	+	He	9898	Felder,	77
			11009	Johnson,	72
BaO	+	N ₂	9898	Felder,	77
BaO	+	O ₂	9898	Felder,	77
BaO	+	N ₂ O	9898	Felder,	77
Br ₂ [•]	+	Ar	8242	Bugrim,	75
Br ₂ [•]	+	He	8242	Bugrim,	75
Br ₂ [•]	+	Kr	8242	Bugrim,	75
Br ₂ [•]	+	Ne	8242	Bugrim,	75
Br ₂ [•]	+	Br ₂	8242	Bugrim,	75
Br ₂ [•]	+	N ₂	8242	Bugrim,	75
Br ₂ [•]	+	O ₂	8242	Bugrim,	75
Br ₂ [•]	+	CO ₂	8242	Bugrim,	75
BrF	+	He	9902	Clyne,	77
BrF	+	Br ₂	9902	Clyne,	77
BrF	+	BrF	9902	Clyne,	77
CN	+	Ar	11007	Jackson,	72
			14815	Katayama,	79
CN	+	Kr	11007	Jackson,	72
CN	+	Ne	11007	Jackson,	72
CN	+	CN	10921	Coxon,	73
CN	+	H ₂	11007	Jackson,	72
CN	+	ICN	11007	Jackson,	72
CN	+	CH ₄	11007	Jackson,	72
CN [•]	+	Ar	7622	Tereshchenko,	75
			9774	Tereshchenko,	77
CN [•]	+	He	7622	Tereshchenko,	75
			9774	Tereshchenko,	77
CN [•]	+	Ne	7622	Tereshchenko,	75
			9774	Tereshchenko,	77
CN [•]	+	CO	7622	Tereshchenko,	75
CN [•]	+	H ₂	7622	Tereshchenko,	75
			9774	Tereshchenko,	77
CN [•]	+	N ₂	7622	Tereshchenko,	75
			9774	Tereshchenko,	77
CN [•]	+	CH ₄	7622	Tereshchenko,	75
CO	+	Ar	6640	Melton,	75
			10905	Slanger,	73
CO	+	He	6640	Melton,	75
			10905	Slanger,	73
CO	+	Hg	12535	Van Itallie,	72
CO	+	Kr	6640	Melton,	75
CO	+	Ne	6640	Melton,	75
CO	+	O	5868	Felder,	72
CO	+	Xe	6640	Melton,	75
CO	+	CO	5563	Taylor,	73
			6640	Melton,	75

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CO	+	CO	6715	Clark,	75
			11339	Slanger,	71
CO	+	D ₂	5563	Taylor,	73
			6640	Melton,	75
			6715	Clark,	75
CO	+	H ₂	5563	Taylor,	73
			6640	Melton,	75
			6715	Clark,	75
			11339	Slanger,	71
CO	+	N ₂	5563	Taylor,	73
			6572	Young,	75
CO	+	NO	5563	Taylor,	73
			11339	Slanger,	71
CO	+	O ₂	5563	Taylor,	73
			5868	Felder,	72
			6715	Clark,	75
			11339	Slanger,	71
CO	+	CO ₂	5563	Taylor,	73
			11339	Slanger,	71
CO	+	CS ₂	5563	Taylor,	73
CO	+	OCS	5563	Taylor,	73
CO	+	SO ₂	5563	Taylor,	73
CO	+	C ₂ H ₂	5563	Taylor,	73
			6715	Clark,	75
CO	+	C ₂ N ₂	5563	Taylor,	73
CO	+	NH ₃	5563	Taylor,	73
CO	+	CH ₄	5563	Taylor,	73
			6715	Clark,	75
CO	+	C ₂ H ₄	5563	Taylor,	73
			6715	Clark,	75
CO	+	SF ₆	5563	Taylor,	73
			6640	Melton,	75
CO	+	C ₂ F ₆	5563	Taylor,	73
CO	+	C ₂ H ₆	5563	Taylor,	73
CO [•]	+	Ar	5646	Comes,	73
			11900	Vikis,	78
CO [•]	+	He	5646	Comes,	73
			11011	Wauchop,	72
			11900	Vikis,	78
CO [•]	+	Hg	7983	Lee,	76
CO [•]	+	Ne	5646	Comes,	73
CO [•]	+	Xe	11900	Vikis,	78
CO [•]	+	CO	11900	Vikis,	78
			12125	Fontijn,	71
CO [•]	+	D ₂	5646	Comes,	73
			11900	Vikis,	78
CO [•]	+	H ₂	5646	Comes,	73
			11900	Vikis,	78
CO [•]	+	N ₂	11011	Wauchop,	72
			11900	Vikis,	78

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CO ⁺	+	N ₂ ⁺	11956	Fontijn,	70
CO ⁺	+	NO	11011	Wauchop,	72
CO ⁺	+	O ₂	11900	Vikis,	78
CO ⁺	+	CO ₂	6488	Ghosh,	72
			11011	Wauchop,	72
			11900	Vikis,	78
CO ⁺¹	+	CO	5405	Comes,	72
			8849	Ryan,	76
CS	+	CO	9222	Black,	77
CS	+	H ₂	9222	Black,	77
CS	+	N ₂	9222	Black,	77
CS	+	NO	9222	Black,	77
CS	+	O ₂	9222	Black,	77
CS	+	CO ₂	9222	Black,	77
CS	+	CS ₂	9222	Black,	77
CS ⁺	+	CO	15121	Hynes,	79
CS ⁺	+	O ₂	15121	Hynes,	79
Cl ₂	+	Ar	8911	Huie,	76
Cl ₂	+	Cl ₂	8911	Huie,	76
DF ⁺	+	He	7158	Wendelken,	75
DF ⁺	+	DF	7158	Wendelken,	75
DF ⁺	+	CO ₂	14819	Basov,	71
GeF	+	He	12767	Anderson,	78
GeF	+	N ₂	12767	Anderson,	78
GeF	+	SF ₆	12767	Anderson,	78
HF ⁺	+	He	7158	Wendelken,	75
H ₂ ⁺	+	H ₂	12122	Center,	71
He ₂	+	He	5406	Collins,	72
			7741	Collins,	76
			8119	Gauthier,	76
			9620	Nakata,	77
He ₂ ⁺	+	Ar	9811	Lee,	77
			11105	Pitchford,	78
He ₂ ⁺	+	Ne	9811	Lee,	77
He ₂ ⁺	+	CO	9811	Lee,	77
He ₂ ⁺	+	He ₂ ⁺	9777	Myers,	77
He ₂ ⁺	+	N ₂	9777	Myers,	77
			9811	Lee,	77
He ₂ ⁺	+	O ₂	9777	Myers,	77
He ₂ ⁺	+	CO ₂	9811	Lee,	77
He ₂ ⁺	+	CH ₄	9811	Lee,	77
HgBr ⁺	+	Ar	14001	Eden,	79
HgBr ⁺	+	He	14001	Eden,	79
HgBr ⁺	+	Hg	14001	Eden,	79
HgBr ⁺	+	Ne	14001	Eden,	79
HgBr ⁺	+	Xe	14001	Eden,	79
HgBr ⁺	+	Br ₂	14001	Eden,	79

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HgBr ⁺	+	HgBr	14001	Eden,	79
HgBr ⁺	+	N ₂	14001	Eden,	79
HgBr ⁺	+	HgBr ₂	14001	Eden,	79
HgBr ⁺	+	CCl ₂ Br ₂	14001	Eden,	79
HgBr ⁺	+	CH ₃ Br	14001	Eden,	79
HgCl ⁺	+	Xe	12754	Mandl,	78
HgCl ⁺	+	Cl ₂	12754	Mandl,	78
HgCl ⁺	+	HCl	12754	Mandl,	78
HgCl ⁺	+	CCl ₄	12754	Mandl,	78
Hg ₂	+	Hg	13411	Skonieczny,	74
Hg ₂	+	N ₂	13400	Phaneuf,	73
			13411	Skonieczny,	74
ICl	+	Ar	14269	Harris,	79
ICl	+	Ne	14269	Harris,	79
ICl	+	Xe	14269	Harris,	79
ICl	+	Cl ₂	14269	Harris,	79
ICl	+	D ₂	14269	Harris,	79
ICl	+	HCl	14269	Harris,	79
ICl	+	H ₂	14269	Harris,	79
ICl	+	ICl	9902	Clyne,	77
			14269	Harris,	79
I ₂	+	I	10915	Schweid,	73
I ₂ ⁺	+	Ar	5565	Capelle,	73
			6660	Bugrim,	74
			8892	Callear,	76
I ₂ ⁺	+	He	5565	Capelle,	73
			6660	Bugrim,	74
I ₂ ⁺	+	Kr	5565	Capelle,	73
			6660	Bugrim,	74
I ₂ ⁺	+	Ne	5565	Capelle,	73
			6660	Bugrim,	74
I ₂ ⁺	+	Xe	5565	Capelle,	73
I ₂ ⁺	+	Br ₂	5565	Capelle,	73
I ₂ ⁺	+	CO	6660	Bugrim,	74
I ₂ ⁺	+	H ₂	5565	Capelle,	73
			6660	Bugrim,	74
I ₂ ⁺	+	I ₂	5565	Capelle,	73
			8841	Sakurai,	76
			11785	Clark,	78
			12095	Sakurai,	71
I ₂ ⁺	+	N ₂	5565	Capelle,	73
I ₂ ⁺	+	NO	5565	Capelle,	73
I ₂ ⁺	+	O ₂	5565	Capelle,	73

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I_2^*	+	O ₂	6660	Bugrim,	74
			8892	Callear,	76
I_2^*	+	CO ₂	5565	Capelle,	73
			6660	Bugrim,	74
			8892	Callear,	76
I_2^*	+	CF ₄	8892	Callear,	76
I_2^*	+	SF ₆	5565	Capelle,	73
I_2^*	+	C ₃ H ₈	8892	Callear,	76
K ₂	+	He	10467	Grushevskii,	77
K ₂	+	K	10467	Grushevskii,	77
K ₂	+	Xe	10467	Grushevskii,	77
K_2^*	+	K	7823	Kraulinya,	75
			8125	Kopeikina,	75
			8204	Kraulinya,	76
			9270	Lemont,	77
KrF	+	Ar	11805	Eden,	78
KrF	+	Kr	11805	Eden,	78
KrF	+	F ₂	11805	Eden,	78
KrF [*]	+	Ar	10197	Rokni,	77
KrF [*]	+	Kr	10197	Rokni,	77
KrF [*]	+	F ₂	10197	Rokni,	77
			11294	Quigley,	78
			12872	Jacob,	78
Kr ₂ [*]	+	Xe	10574	Cheshnovsky,	73
Kr ₂ [*]	+	F ₂	11295	Quigley,	78
ND	+	Ar	8906	Gelernt,	76
ND	+	He	8906	Gelernt,	76
ND	+	H ₂	8906	Gelernt,	76
ND	+	N ₂	8906	Gelernt,	76
ND	+	ND ₃	8906	Gelernt,	76
ND [*]	+	D ₂	9195	Zetzsche,	77
ND [*]	+	HD	9195	Zetzsche,	77
ND [*]	+	D ₂ O	9195	Zetzsche,	77
ND [*]	+	C ₂ D ₂	9195	Zetzsche,	77
ND [*]	+	CD ₄	9195	Zetzsche,	77
ND [*]	+	C ₂ D ₄	9195	Zetzsche,	77
NF	+	N ₂	12445	Clyne,	70
NF [*]	+	Bi	13337	Capelle,	78
NH	+	Ar	6775	Zetzsche,	75
			7646	Gelernt,	75
			8906	Gelernt,	76
NH	+	He	8906	Gelernt,	76
NH	+	N	8906	Gelernt,	76
NH	+	O	8906	Gelernt,	76
NH	+	CO	7646	Gelernt,	75
NH	+	H ₂	8906	Gelernt,	76
NH	+	N ₂	8906	Gelernt,	76

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NH	+	O ₂	7646	Gelernt,	75
NH	+	NH ₃	6775	Zetzsche,	75
			7646	Gelernt,	75
NH	+	CH ₄	7646	Gelernt,	75
NH [*]	+	D ₂	9195	Zetzsche,	77
NH [*]	+	HD	9195	Zetzsche,	77
NH [*]	+	D ₂ O	9195	Zetzsche,	77
NH [*]	+	C ₂ D ₂	9195	Zetzsche,	77
NH [*]	+	CD ₄	9195	Zetzsche,	77
NH [*]	+	C ₂ D ₄	9195	Zetzsche,	77
N ₂	+	Ar	7675	Heidner III,	76
			11936	Setser,	70
N ₂	+	Hg	15299	Callear,	71
N ₂	+	N	8510	Vidaud,	76
N ₂	+	Ar ₂	9642	Touzeau,	77
N ₂	+	CO	6767	Dreyer,	74
			15299	Callear,	71
N ₂	+	H ₂	15299	Callear,	71
N ₂	+	I ₂	9869	Mandl,	77
N ₂	+	N ₂	5384	Dreyer,	73
			6767	Dreyer,	74
			7675	Heidner III,	76
			8394	Shemansky,	76
			8510	Vidaud,	76
			8821	Burns,	76
			10563	Hays,	73
			10885	Hays,	73
			11945	Mitchell,	70
N ₂	+	NO	6767	Dreyer,	74
			9869	Mandl,	77
			15299	Callear,	71
N ₂	+	O ₂	6654	Albugues,	74
			6767	Dreyer,	74
			11945	Mitchell,	70
			15299	Callear,	71
N ₂	+	CO ₂	6654	Albugues,	74
			6767	Dreyer,	74
N ₂	+	H ₂ O	6654	Albugues,	74
			6767	Dreyer,	74
N ₂	+	N ₂ O	15299	Callear,	71
			15299	Callear,	71
N ₂	+	C ₂ H ₂	15299	Callear,	71
			15299	Callear,	71
N ₂	+	NH ₃	6767	Dreyer,	74
			15299	Callear,	71
N ₂	+	CH ₄	6654	Albugues,	74
			6767	Dreyer,	74
N ₂	+	C ₂ H ₄	5384	Dreyer,	73
			15299	Callear,	71
N ₂	+	SF ₆	7675	Heidner III,	76
			11241	Sutton,	78
N ₂	+	C ₂ H ₆	5384	Dreyer,	73
			15299	Callear,	71
N ₂	+	C ₃ H ₈	15299	Callear,	71

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N_2^+	+	C_4H_{10}	15299	Callear, 71	N_2^+	+	C_4H_8	11337	Meyer, 71
N_2^+	+	Ar	12248	Levron, 78	N_2^{+1}	+	Ar	5648	Tellinghuisen, 72
N_2^+	+	H	8085	Dunn, 76	N_2^{+1}	+	He	6354	Freeman, 74
N_2^+	+	He	10142	Carr, 77	N_2^{+1}	+	Ne	5648	Tellinghuisen, 72
N_2^+	+	Hg	7983	Lee, 76	N_2^{+1}	+	Xe	6354	Freeman, 74
			12425	Callear, 70	N_2^{+1}	+	CO	11754	Sheridan, 78
N_2^+	+	N	8085	Dunn, 76	N_2^{+1}	+	H_2	5648	Tellinghuisen, 72
			11022	Flagan, 72	N_2^{+1}	+	N_2	12501	Dreyer, 71
N_2^+	+	O	8085	Dunn, 76	N_2^{+1}	+	NO	5648	Tellinghuisen, 72
N_2^+	+	CO	5403	Krisch, 68	N_2^{+1}	+	NO	6354	Freeman, 74
			11337	Meyer, 71	N_2^{+1}	+	NO	12501	Dreyer, 71
			12125	Fontijn, 71	N_2^{+1}	+	NO	5648	Tellinghuisen, 72
			12526	Gann, 72	N_2^{+1}	+	NO	6354	Freeman, 74
			15261	Golde, 72	N_2^{+1}	+	NO	11754	Sheridan, 78
N_2^+	+	H_2	5403	Krisch, 68	N_2^{+1}	+	NO	12501	Dreyer, 71
			11337	Meyer, 71	N_2^{+1}	+	NO	14241	Tichy, 79
			12248	Levron, 78	N_2^{+1}	+	N_2	5405	Comes, 72
N_2^+	+	N_2	5383	Dreyer, 72	N_2^{+1}	+	N_2	5648	Tellinghuisen, 72
			5403	Krisch, 68	N_2^{+1}	+	N_2	6330	Cartwright, 74
			9399	Ravodina, 76	N_2^{+1}	+	N_2	6354	Freeman, 74
			10142	Carr, 77	N_2^{+1}	+	N_2	8849	Ryan, 76
			12098	Calo, 71	N_2^{+1}	+	N_2	11022	Flagan, 72
			12248	Levron, 78	N_2^{+1}	+	N_2	11754	Sheridan, 78
			13143	Vedenov, 76	N_2^{+1}	+	N_2^{+1}	15160	MacKay, 71
			15114	Prasad, 78	N_2^{+1}	+	N_2^{+1}	11179	Gray, 72
			15201	Carlson, 79	N_2^{+1}	+	NO	5648	Tellinghuisen, 72
			15394	Kalinin, 71	N_2^{+1}	+	NO	6354	Freeman, 74
N_2^+	+	NO	12425	Callear, 70	N_2^{+1}	+	NO	12501	Dreyer, 71
			15114	Prasad, 78	N_2^{+1}	+	NO	14241	Tichy, 79
N_2^+	+	O_2	5403	Krisch, 68	N_2^{+1}	+	O_2	15114	Prasad, 78
			8085	Dunn, 76	N_2^{+1}	+	O_2	15160	MacKay, 71
			11337	Meyer, 71	N_2^{+1}	+	O_2	5648	Tellinghuisen, 72
			13143	Vedenov, 76	N_2^{+1}	+	O_2	6354	Freeman, 74
			15114	Prasad, 78	N_2^{+1}	+	O_2	12501	Dreyer, 71
N_2^+	+	CO_2	5403	Krisch, 68	N_2^{+1}	+	CO_2	14241	Tichy, 79
			11337	Meyer, 71	N_2^{+1}	+	CO_2	5648	Tellinghuisen, 72
			12526	Gann, 72	N_2^{+1}	+	CO_2	6354	Freeman, 74
N_2^+	+	H_2O	13143	Vedenov, 76	N_2^{+1}	+	H_2O	14241	Tichy, 79
N_2^+	+	N_2O	11337	Meyer, 71	N_2^{+1}	+	N_2O	5648	Tellinghuisen, 72
N_2^+	+	SO_2	11337	Meyer, 71	N_2^{+1}	+	N_2O	6354	Freeman, 74
N_2^+	+	C_2H_2	11337	Meyer, 71	N_2^{+1}	+	C_2H_2	12501	Dreyer, 71
N_2^+	+	C_2N_2	11337	Meyer, 71	N_2^{+1}	+	NH_3	12501	Dreyer, 71
N_2^+	+	NH_3	11337	Meyer, 71	N_2^{+1}	+	NH_3	14241	Tichy, 79
			12526	Gann, 72	N_2^{+1}	+	CH_4	5648	Tellinghuisen, 72
N_2^+	+	C_2H_4	11337	Meyer, 71	N_2^{+1}	+	CH_4	6354	Freeman, 74
N_2^+	+	CH_6	11337	Meyer, 71	N_2^{+1}	+	SF_6	12501	Dreyer, 71
N_2^+	+	C_2H_6	11337	Meyer, 71	N_2^{+1}	+	C_2H_6	14241	Tichy, 79
N_2^+	+	C_3H_6	11337	Meyer, 71	N_2^{+1}	+	C_2H_6	5648	Tellinghuisen, 72
N_2^+	+	C_4H_6	11337	Meyer, 71	NO	+	He	6354	Freeman, 74
N_2^+	+	C_6H_6	11337	Meyer, 71	NO	+	CO	10259	Hikida, 75
					NO	+	CO	11890	Hikida, 78
					NO	+	CO	10259	Hikida, 75

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NO	+	CO	11890	Hikida,	78
NO	+	H ₂	11890	Hikida,	78
NO	+	N ₂	10259	Hikida,	75
			11890	Hikida,	78
NO	+	NO	8837	Breckenridge,	76
			10561	Melton,	73
			11890	Hikida,	78
NO	+	CO ₂	11890	Hikida,	78
NO	+	CCl ₄	14991	Stolte,	72
NO	+	CF ₄	11890	Hikida,	78
NO ⁺	+	Ar	13475	Tereshchenko,	78
			14762	Black,	76
NO ⁺	+	He	8287	Hikida,	76
			14762	Black,	76
NO ⁺	+	Ne	13475	Tereshchenko,	78
NO ⁺	+	CO	8287	Hikida,	76
			13475	Tereshchenko,	78
			14762	Black,	76
NO ⁺	+	H ₂	8287	Hikida,	76
			13475	Tereshchenko,	78
			14762	Black,	76
NO ⁺	+	N ₂	8287	Hikida,	76
			13475	Tereshchenko,	78
			14762	Black,	76
NO ⁺	+	NO	6893	Benoist D'Azy,	75
			8287	Hikida,	76
			9837	Mohlmann,	77
			11331	Melton,	71
			14453	Nutt,	79
			15114	Prasad,	78
NO ⁺	+	O ₂	5395	Melton,	72
			14762	Black,	76
NO ⁺	+	CO ₂	8287	Hikida,	76
			14762	Black,	76
NO ⁺	+	N ₂ O	14762	Black,	76
NO ⁺	+	NH ₃	14762	Black,	76
NO ⁺	+	CF ₄	8287	Hikida,	76
NO ⁺	+	CH ₄	14762	Black,	76
NO ⁺	+	C ₂ H ₄	14762	Black,	76
NO ⁺¹	+	Ar	13512	Glosik,	78
NO ⁺¹	+	CO	13512	Glosik,	78
NO ⁺¹	+	H ₂	13512	Glosik,	78
NO ⁺¹	+	N ₂	13512	Glosik,	78
NO ⁺¹	+	O ₂	13512	Glosik,	78
Na ₂	+	Ar	9269	Feinberg,	77
Na ₂ ⁻	+	K	8204	Kraulinya,	76
Na ₂ ⁻	+	Na	7823	Kraulinya,	75
			8204	Kraulinya,	76
OD	+	H ₂	8121	German,	76

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OD	+	N ₂	8121	German,	76
OD	+	O ₂	8121	German,	76
OH	+	Ar	6661	Hogan,	75
			12583	Becker,	74
OH	+	H	7039	Becker,	74
			12583	Becker,	74
OH	+	He	6661	Hogan,	75
OH	+	H ₂	6661	Hogan,	75
			8121	German,	76
			12583	Becker,	74
OH	+	N ₂	6661	Hogan,	75
			8121	German,	76
OH	+	O ₂	8121	German,	76
OH	+	H ₂ O	14361	Quickenden,	78
OH ⁺	+	CO	14515	Clyne,	79
OH ⁺	+	H ₂ O	13894	Vinogradov,	78
OH ⁺	+	CCl ₄	14515	Clyne,	79
OH ⁺	+	CCl ₃ F	14515	Clyne,	79
OH ⁺	+	CCl ₂ F ₂	14515	Clyne,	79
OH ⁺	+	CF ₂ BrCl	14515	Clyne,	79
OH ⁺	+	CF ₄	14515	Clyne,	79
OH ⁺	+	CHFCl ₂	14515	Clyne,	79
OH ⁺	+	CHF ₂ Cl	14515	Clyne,	79
OH ⁺	+	CHF ₃	14515	Clyne,	79
OH ⁺	+	CH ₂ F ₂	14515	Clyne,	79
OH ⁺	+	CF ₃ CF ₂ H	14515	Clyne,	79
OH ⁺	+	CF ₃ CFH ₂	14515	Clyne,	79
OH ⁺	+	CF ₃ CHCl ₂	14515	Clyne,	79
OH ⁺	+	CF ₃ CH ₂ Cl	14515	Clyne,	79
OH ⁺	+	CF ₂ HCF ₂ H	14515	Clyne,	79
OH ⁺	+	CF ₂ HCFH ₂	14515	Clyne,	79
OH ⁺	+	CH ₃ CCl ₃	14515	Clyne,	79
OH ⁺	+	CH ₃ CF ₂ Cl	14515	Clyne,	79
OH ⁺	+	CH ₃ CF ₃	14515	Clyne,	79
OH ⁺	+	CH ₃ CHF ₂	14515	Clyne,	79
O ₂	+	CO	9421	Thomas,	77
O ₂	+	DCl	9421	Thomas,	77
O ₂	+	HBr	8485	Braithwaite,	76
O ₂	+	HCl	9421	Thomas,	77
O ₂	+	H ₂	9067	Braithwaite,	76
O ₂	+	NO	5880	Ogryzlo,	73
			9421	Thomas,	77
O ₂	+	O ₂	10298	Parker,	74
O ₂	+	CO ₂	9421	Thomas,	77
O ₂	+	D ₂ O	9421	Thomas,	77

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O ₂	+	H ₂ O	9421	Thomas,	77
O ₂	+	N ₂ O	9421	Thomas,	77
O ₂	+	C ₂ H ₂	9421	Thomas,	77
O ₂	+	NH ₃	9421	Thomas,	77
O ₂ [.]	+	Ar	5645	Collins,	73
			11324	Findlay,	71
			11990	O'Brien Jr.,	70
			12071	Filseth,	70
			12463	Becker,	71
O ₂ [.]	+	He	5645	Collins,	73
			11324	Findlay,	71
			11990	O'Brien Jr.,	70
			12071	Filseth,	70
			12463	Becker,	71
O ₂ [.]	+	Kr	5645	Collins,	73
			12071	Filseth,	70
O ₂ [.]	+	Ne	12071	Filseth,	70
O ₂ [.]	+	O	14271	Slanger,	79
O ₂ [.]	+	Xe	5645	Collins,	73
			12071	Filseth,	70
O ₂ [.]	+	CO	5645	Collins,	73
			9817	Thomas,	77
			12039	Noxon,	70
			12071	Filseth,	70
O ₂ [.]	+	DCI	9817	Thomas,	77
O ₂ [.]	+	D ₂	11990	O'Brien Jr.,	70
			14648	Kohse-Hoinghaus,	78
O ₂ [.]	+	HCl	9817	Thomas,	77
O ₂ [.]	+	HD	11990	O'Brien Jr.,	70
O ₂ [.]	+	H ₂	5645	Collins,	73
			6679	Thomas,	75
			11324	Findlay,	71
			11990	O'Brien Jr.,	70
			12071	Filseth,	70
			12463	Becker,	71
			14648	Kohse-Hoinghaus,	78
O ₂ [.]	+	N ₂	5645	Collins,	73
			8884	Martin,	76
			11990	O'Brien Jr.,	70
			12039	Noxon,	70
			12071	Filseth,	70
			12463	Becker,	71
			15209	Borrell,	79
O ₂ [.]	+	NO	7661	Yaron,	76
			8424	Giachardi,	76
			9817	Thomas,	77
			11990	O'Brien Jr.,	70
			12071	Filseth,	70
			12463	Becker,	71
O ₂ [.]	+	O ₂	6679	Thomas,	75
			8884	Martin,	76

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O ₂ [.]	+	O ₂	9203	Lawton,	77
			9880	Borrell,	77
			10191	Parker,	77
			11136	Jones,	72
			11990	O'Brien Jr.,	70
			12039	Noxon,	70
			12071	Filseth,	70
			12092	Washida,	71
			12463	Becker,	71
			13352	Lee,	78
			15209	Borrell,	79
O ₂ [.]	+	CO ₂	7661	Yaron,	76
			11324	Findlay,	71
			11990	O'Brien Jr.,	70
			12039	Noxon,	70
			12071	Filseth,	70
			12463	Becker,	71
O ₂ [.]	+	D ₂ O	9817	Thomas,	77
			11990	O'Brien Jr.,	70
O ₂ [.]	+	H ₂ O	6679	Thomas,	75
			11324	Findlay,	71
			11990	O'Brien Jr.,	70
			12071	Filseth,	70
			12463	Becker,	71
O ₂ [.]	+	N ₂ O	9817	Thomas,	77
			11324	Findlay,	71
			12071	Filseth,	70
			12463	Becker,	71
O ₂ [.]	+	NO ₂	10924	Frankiewicz,	73
			11990	O'Brien Jr.,	70
O ₂ [.]	+	NO ₂	12071	Filseth,	70
			12463	Becker,	71
O ₂ [.]	+	O ₃	5645	Collins,	73
			10191	Parker,	77
			12463	Becker,	71
			14271	Slanger,	79
O ₂ [.]	+	SO ₂	11990	O'Brien Jr.,	70
			9817	Thomas,	77
O ₂ [.]	+	C ₂ H ₂	12431	Stuhl,	70
			12463	Becker,	71
O ₂ [.]	+	NH ₃	9817	Thomas,	77
			11990	O'Brien Jr.,	70
			12071	Filseth,	70
			12463	Becker,	71
O ₂ [.]	+	CCl ₄	11990	O'Brien Jr.,	70
			12463	Becker,	71
O ₂ [.]	+	CCl ₂ F ₂	12030	Ackerman,	70
			12071	Filseth,	70
O ₂ [.]	+	CH ₃ Cl	12463	Becker,	71
			11990	O'Brien Jr.,	70
O ₂ [.]	+	CH ₄	12071	Filseth,	70
			12463	Becker,	71
O ₂ [.]	+	CH ₃ I	11990	O'Brien Jr.,	70
			12030	Ackerman,	70
O ₂ [.]	+	C ₂ H ₄	12071	Filseth,	70
			12431	Stuhl,	70

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O ₂ *	+	C ₂ H ₄	12463	Becker, 71
O ₂ *	+	CH ₃ OH	11990	O'Brien Jr., 70
O ₂ *	+	CHOCHO	13655	Hippler, 78
O ₂ *	+	SF ₆	11324	Findlay, 71
			12071	Filseth, 70
			12463	Becker, 71
O ₂ *	+	C ₂ H ₆	12071	Filseth, 70
O ₂ *	+	C ₃ H ₆	12030	Ackerman, 70
			12431	Stuhl, 70
			12463	Becker, 71
O ₂ *	+	C ₂ H ₅ OH	11990	O'Brien Jr., 70
O ₂ *	+	C ₂ H ₆ CO	11990	O'Brien Jr., 70
O ₂ *	+	C ₃ H ₈	9817	Thomas, 77
			12463	Becker, 71
O ₂ *	+	C ₆ H ₆	11990	O'Brien Jr., 70
O ₂ *	+	C ₄ H ₈	12030	Ackerman, 70
			12431	Stuhl, 70
O ₂ ⁺¹	+	Ar	10279	Lindinger, 75
			13512	Glosik, 78
O ₂ ⁺¹	+	CO	10279	Lindinger, 75
			13512	Glosik, 78
O ₂ ⁺¹	+	H ₂	10279	Lindinger, 75
			13512	Glosik, 78
O ₂ ⁺¹	+	N ₂	10279	Lindinger, 75
			13512	Glosik, 78
O ₂ ⁺¹	+	NO	13512	Glosik, 78
O ₂ ⁺¹	+	O ₂	5405	Comes, 72
			10279	Lindinger, 75
			13512	Glosik, 78
O ₂ ⁺¹	+	CO ₂	10279	Lindinger, 75
O ₂ ⁺¹	+	CH ₄	13966	Lindinger, 79
PH	+	PH ₃	11897	Xuan, 78
PH*	+	CO	14297	Lenzi, 79
PH*	+	H ₂	14297	Lenzi, 79
PH*	+	N ₂	14297	Lenzi, 79
PH*	+	NO	14297	Lenzi, 79
SD	+	H	7039	Becker, 74
S ₂	+	Ar	11097	McGee, 78
S ₂	+	He	11097	McGee, 78
S ₂	+	Xe	11097	McGee, 78
S ₂	+	N ₂	11097	McGee, 78
S ₂	+	CH ₄	11097	McGee, 78
S ₂	+	C ₂ F ₆	11097	McGee, 78
SiF	+	He	12767	Anderson, 78
XeF*	+	Ar	9206	Rokni, 77
			9409	Brashears Jr., 77
			12972	Brashears Jr., 78
			13476	Eden, 78

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XeF*	+	He	11776	Eden, 78
			12249	Fisher, 78
			12972	Brashears Jr., 78
XeF*	+	Kr	12972	Brashears Jr., 78
XeF*	+	Ne	11116	Rokni, 78
			12249	Fisher, 78
			12972	Brashears Jr., 78
			13476	Eden, 78
XeF*	+	Xe	9409	Brashears Jr., 77
			11776	Eden, 78
			12249	Fisher, 78
XeF*	+	F ₂	9409	Brashears Jr., 77
			11776	Eden, 78
			12249	Fisher, 78
XeF*	+	N ₂	9409	Brashears Jr., 77
			12972	Brashears Jr., 78
XeF*	+	CO ₂	9409	Brashears Jr., 77
XeF*	+	XeF ₂	13476	Eden, 78
XeF*	+	NF ₃	9409	Brashears Jr., 77
			12249	Fisher, 78
XeF*	+	NH ₃	11776	Eden, 78
XeF*	+	CF ₃ Cl	12972	Brashears Jr., 78
XeF*	+	CH ₃ F	12972	Brashears Jr., 78
XeF*	+	CH ₄	12972	Brashears Jr., 78
XeF*	+	SF ₆	12972	Brashears Jr., 78
XeO*	+	O ₂	6289	Tisone, 74
XeO*	+	CO ₂	6289	Tisone, 74
Xe ₂	+	Xe	5540	Wallace, 73
Xe ₂ *	+	Xe	10565	Johnson, 73
ZnHg	+	Hg	11804	Eden, 78
Ar ₂ F*	+	F ₂	12202	Chen, 78
C ₃ *	+	He	13982	Becker, 79
CCl ₂	+	O ₂	10053	Huie, 77
CFCl	+	N ₂	10053	Huie, 77
CFCl	+	O ₂	10053	Huie, 77
CH ₂	+	Ar	12067	Braun, 70
CH ₂	+	He	12067	Braun, 70
CH ₂	+	H ₂	12067	Braun, 70
CH ₂	+	N ₂	12067	Braun, 70
CH ₂	+	CH ₄	12067	Braun, 70
CO ₂ ⁺¹	+	Ar	5648	Tellinghuisen, 72
			6354	Freeman, 74
CO ₂ ⁺¹	+	He	5648	Tellinghuisen, 72
			6354	Freeman, 74
CO ₂ ⁺¹	+	Ne	5648	Tellinghuisen, 72

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CO_2^{+1}	+	CO	5648	Tellinghuisen, 72
			6354	Freeman, 74
CO_2^{+1}	+	H ₂	5648	Tellinghuisen, 72
			6354	Freeman, 74
CO_2^{+1}	+	N ₂	5648	Tellinghuisen, 72
			6354	Freeman, 74
CO_2^{+1}	+	NO	5648	Tellinghuisen, 72
CO_2^{+1}	+	NO	6354	Freeman, 74
CO_2^{+1}	+	O ₂	5648	Tellinghuisen, 72
			6354	Freeman, 74
CO_2^{+1}	+	CO ₂	5648	Tellinghuisen, 72
			6354	Freeman, 74
			10981	Alderson, 73
CO_2^{+1}	+	N ₂ O	5648	Tellinghuisen, 72
			6354	Freeman, 74
CO_2^{+1}	+	C ₂ H ₆	5648	Tellinghuisen, 72
			6354	Freeman, 74
H ₂ O [•]	+	H ₂ O	13143	Vedenov, 76
			14825	Sarjeant, 72
HNO [•]	+	N ₂	14002	Yamada, 79
Kr ₂ F [•]	+	Kr	11295	Quigley, 78
Kr ₂ F [•]	+	F ₂	11295	Quigley, 78
NH ₂	+	Ar	5857	Lenzi, 72
NH ₂	+	He	5857	Lenzi, 72
NH ₂	+	Kr	5857	Lenzi, 72
NH ₂	+	Ne	5857	Lenzi, 72
NH ₂	+	Xe	5857	Lenzi, 72
NH ₂	+	H ₂	5857	Lenzi, 72
NH ₂	+	NH ₃	5857	Lenzi, 72
NH ₂	+	CH ₄	5857	Lenzi, 72
NH ₂ [•]	+	Ar	7307	Halpern, 75
NH ₂ [•]	+	He	7307	Halpern, 75
NH ₂ [•]	+	CO	7307	Halpern, 75
NH ₂ [•]	+	H ₂	7307	Halpern, 75
NH ₂ [•]	+	N ₂	7307	Halpern, 75
NH ₂ [•]	+	NO	7206	Hancock, 75
NH ₂ [•]	+	NH ₃	7307	Halpern, 75
			15034	Donnelly, 79
NH ₂ [•]	+	CH ₄	7307	Halpern, 75
N ₂ O ⁺¹	+	Ar	5648	Tellinghuisen, 72
			6354	Freeman, 74
N ₂ O ⁺¹	+	He	5648	Tellinghuisen, 72
			6354	Freeman, 74
N ₂ O ⁺¹	+	Ne	5648	Tellinghuisen, 72
N ₂ O ⁺¹	+	CO	5648	Tellinghuisen, 72
			6354	Freeman, 74
N ₂ O ⁺¹	+	H ₂	5648	Tellinghuisen, 72
			6354	Freeman, 74

ORIGINAL DATA

N ₂ O ⁺¹	+	N ₂	5648	Tellinghuisen, 72
			6354	Freeman, 74
N ₂ O ⁺¹	+	NO	5648	Tellinghuisen, 72
			6354	Freeman, 74
N ₂ O ⁺¹	+	O ₂	5648	Tellinghuisen, 72
			6354	Freeman, 74
N ₂ O ⁺¹	+	CO ₂	5648	Tellinghuisen, 72
			6354	Freeman, 74
N ₂ O ⁺¹	+	N ₂ O	5648	Tellinghuisen, 72
			6354	Freeman, 74
N ₂ O ⁺¹	+	C ₂ H ₆	5648	Tellinghuisen, 72
			6354	Freeman, 74
NO ₂	+	NO ₂	11989	Sakurai, 70
NO ₂ [•]	+	Ar	14649	Nokes, 78
NO ₂ [•]	+	O ₂	8424	Giachardi, 76
			10924	Frankiewicz, 73
			14649	Nokes, 78
NO ₂ [•]	+	NO ₂	12080	Keyser, 71
			14649	Nokes, 78
O ₃ [•]	+	O ₂	10258	Von Rosenberg J75
SO ₂	+	SO ₂	9514	Su, 77
			10387	Brus, 74
			12859	Strickler, 78
SO ₂ [•]	+	CH ₄	12244	Wampler, 78
SO ₂ [•]	+	C ₂ H ₆	12244	Wampler, 78
SO ₂ [•]	+	C ₃ H ₈	12244	Wampler, 78
CH ₃ [•]	+	Ar	12548	Rice, 73
CH ₃ [•]	+	He	12548	Rice, 73
CH ₃ [•]	+	N ₂	12548	Rice, 73
CH ₃ [•]	+	O ₂	12548	Rice, 73
CH ₃ [•]	+	CH ₃ I	12548	Rice, 73
Cl ₂ CS	+	Cl ₂ CS	9905	Oka, 77
D ₂ CO	+	Ar	14756	Skubnevskaya, 78
D ₂ CO	+	N ₂ O	14756	Skubnevskaya, 78
D ₂ CO	+	H ₂ CO	14756	Skubnevskaya, 78
D ₂ CO	+	CCl ₄	14756	Skubnevskaya, 78
D ₂ CO	+	CH ₃ CN	14756	Skubnevskaya, 78
D ₂ CO	+	SF ₆	14756	Skubnevskaya, 78
D ₂ CO	+	C ₆ H ₆	14756	Skubnevskaya, 78
H ₂ CO	+	H ₂ CO	12101	Sakurai, 71
H ₂ CO [•]	+	Ar	11899	Shibuya, 78
H ₂ CO [•]	+	CO	11899	Shibuya, 78
H ₂ CO [•]	+	N ₂	11899	Shibuya, 78
H ₂ CO [•]	+	NO	11899	Shibuya, 78
H ₂ CO [•]	+	O ₂	11899	Shibuya, 78
H ₂ CO [•]	+	H ₂ CO	11899	Shibuya, 78

ORIGINAL DATA

H ₂ CO ⁺	+	CH ₂ F ₂	11899	Shibuya,	78
NH ₃	+	OCS	6533	Chien,	75
NH ₃	+	NH ₃	6533	Chien,	75
NH ₃	+	CHF ₃	6533	Chien,	75
NH ₃	+	CH ₃ F	6533	Chien,	75
CD ₄	+	Cs	13168	Baylis,	73
CD ₃ H	+	Cs	13168	Baylis,	73
CH ₂ D ₂	+	Cs	13168	Baylis,	73
CH ₃ D	+	Cs	13168	Baylis,	73
CH ₄	+	Cs	13168	Baylis,	73
C ₃ H ₂ O	+	Ar	11173	Thayer,	72
C ₃ H ₂ O	+	He	11173	Thayer,	72
C ₃ H ₂ O	+	Kr	11173	Thayer,	72
C ₃ H ₂ O	+	Ne	11173	Thayer,	72
C ₃ H ₂ O	+	Xe	11173	Thayer,	72
C ₃ H ₂ O	+	CO	11173	Thayer,	72
C ₃ H ₂ O	+	H ₂	11173	Thayer,	72
C ₃ H ₂ O	+	O ₂	11173	Thayer,	72
C ₃ H ₂ O	+	SO ₂	11173	Thayer,	72
C ₃ H ₂ O	+	NH ₃	11173	Thayer,	72
C ₃ H ₂ O	+	CCl ₄	11173	Thayer,	72
C ₃ H ₂ O	+	CHBr ₃	11173	Thayer,	72
C ₃ H ₂ O	+	CHCl ₃	11173	Thayer,	72
C ₃ H ₂ O	+	CH ₃ Br	11173	Thayer,	72
C ₃ H ₂ O	+	CH ₃ Cl	11173	Thayer,	72
C ₃ H ₂ O	+	CH ₃ F	11173	Thayer,	72
C ₃ H ₂ O	+	CH ₄	11173	Thayer,	72
C ₃ H ₂ O	+	C ₃ H ₂ O	11173	Thayer,	72
C ₃ H ₂ O	+	CH ₃ CN	11173	Thayer,	72
CHOCHO	+	Ar	10277	Beyer,	75
CHOCHO	+	He	10277	Beyer,	75
CHOCHO	+	Ne	10277	Beyer,	75
CHOCHO	+	Xe	10277	Beyer,	75
CHOCHO	+	CO	10277	Beyer,	75
CHOCHO	+	D ₂	10277	Beyer,	75
CHOCHO	+	H ₂	10277	Beyer,	75
CHOCHO	+	N ₂	10277	Beyer,	75
CHOCHO	+	NO	11062	Yardley,	72
CHOCHO	+	O ₂	10277	Beyer,	75
			11062	Yardley,	72
CHOCHO	+	N ₂ O	10277	Beyer,	75
CHOCHO	+	CCl ₄	10277	Beyer,	75
CHOCHO	+	CH ₃ Cl	10277	Beyer,	75
CHOCHO	+	CH ₃ F	10277	Beyer,	75
CHOCHO	+	CH ₄	10277	Beyer,	75

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CHOCHO	+	C ₂ Cl ₄	10277	Beyer,	75
CHOCHO	+	C ₂ H ₄	10277	Beyer,	75
CHOCHO	+	CH ₃ CN	10277	Beyer,	75
CHOCHO	+	CH ₃ OH	10277	Beyer,	75
CHOCHO	+	CHOCHO	10277	Beyer,	75
			11062	Yardley,	72
			12570	Frad,	73
CHOCHO	+	CH ₃ NO ₂	10277	Beyer,	75
CHOCHO	+	C ₂ H ₆	10277	Beyer,	75
CHOCHO	+	C ₂ H ₅ OH	10277	Beyer,	75
CHOCHO	+	C ₆ H ₅ Cl	10277	Beyer,	75
CHOCHO	+	C ₆ H ₅ F	10277	Beyer,	75
CHOCHO	+	C ₆ H ₆	10277	Beyer,	75
		SF ₆ ⁻	12850	Odom,	75
		UF ₆	9887	Andreoni,	77
		UF ₆	11585	Wampler,	78
UF ₆	+	Ar	11583	Wampler,	78
UF ₆	+	N ₂	11583	Wampler,	78
UF ₆	+	O ₂	11583	Wampler,	78
UF ₆	+	C ₂ H ₂	11584	Wampler,	78
UF ₆	+	CH ₄	11584	Wampler,	78
UF ₆	+	C ₂ H ₄	11584	Wampler,	78
UF ₆	+	C ₂ F ₆	11584	Wampler,	78
UF ₆	+	C ₂ H ₆	11584	Wampler,	78
C ₂ H ₅ Br	+	Ar	7101	Goans,	75
C ₂ H ₅ Br	+	N ₂	7101	Goans,	75
C ₆ D ₆	+	C ₆ H ₆	9154	Parmenter,	77
C ₆ H ₅ Br ⁺¹	+	CO ₂	14537	Kim,	79
C ₆ H ₅ Br ⁺¹	+	CH ₄	14537	Kim,	79
C ₆ H ₅ Br ⁺¹	+	SF ₆	14537	Kim,	79
C ₆ H ₅ Br ⁺¹	+	C ₃ H ₈	14537	Kim,	79
C ₆ H ₅ Br ⁺¹	+	C ₆ D ₆	14537	Kim,	79
C ₆ H ₅ Br ⁺¹	+	C ₆ H ₅ Br	14537	Kim,	79
C ₆ H ₅ Br ⁺¹	+	C ₆ H ₅ F	14537	Kim,	79
C ₆ H ₅ Br ⁺¹	+	C ₆ H ₆	14537	Kim,	79
C ₆ H ₆	+	O ₂	12050	Morikawa,	70
C ₆ H ₆	+	C ₆ H ₆	12014	Nishikawa,	70

REFERENCE

Ar ⁺	+	Kr	8899	Martin,	76
Ar ⁺	+	Xe	8899	Martin,	76
Ar ⁺	+	N ₂	8444	Schweid,	76
			14262	Cutshall,	79
Ar ⁺			15249	Setser,	74

REFERENCE

Cs ⁺	+	He	12746	Gousset,	78
Cs ⁺	+	Xe	8999	Marek,	76
He [.]	+	He	12878	Dubreuil,	78
			13647	Zhitnikov,	77
			15064	Bagaev,	79
			15429	Latypov,	75
He [.]	+	Ne	8899	Martin,	76
Hg [.]	+	Hg	15408	Saintout,	73
Hg [.]	+	Cd	14967	Cheron,	75
Hg [.]	+	OH	7699	Vikis,	75
I [.]	+	Ar	13480	Ershov,	78
I [.]	+	Xe	13480	Ershov,	78
I [.]	+	SF ₆	13480	Ershov,	78
Kr [.]	+	Br	6970	Persin,	75
Kr [.]	+	Xe	12867	Hugon,	78
Kr [.]	+	CO	11895	Vikis,	78
N ⁺¹	+	Ar	13581	Vujovic,	72
			14679	Vujovic,	79
Na [.]	+	CO	14750	Hsu,	76
Na [.]	+	D ₂	14526	Hertel,	79
Na [.]	+	H ₂	14526	Hertel,	79
Nd [.]	+	Nd	14643	Chen,	78
O [.]	+	N ₂	12979	Sobral,	78
O [.]	+	O ₂	12979	Sobral,	78
O [.]	+	N ₂ O	13964	Davidson,	79
Xe [.]	+	Xe	12867	Hugon,	78
Xe [.]	+	CO	8374	Watadani,	76
Xe [.]			15249	Setser,	74
HBr [.]	+	Xe	14767	Helvajian,	79
HBr [.]	+	Br ₂	14767	Helvajian,	79
HBr [.]	+	CO	14767	Helvajian,	79
HBr [.]	+	H ₂	14767	Helvajian,	79
HBr [.]	+	N ₂	14767	Helvajian,	79
HBr [.]	+	O ₂	14767	Helvajian,	79
HBr [.]	+	CO ₂	14767	Helvajian,	79
HgCl [.]	+	Ar	12754	Mandl,	78
HgCl [.]	+	He	12754	Mandl,	78
HgCl [.]	+	N ₂	12754	Mandl,	78
ICl [.]	+	CO	11910	Hsu,	78
I ₂ [.]	+	CO	11910	Hsu,	78
I ₂ [.]	+	Ar	5758	Bugrim,	73
I ₂ [.]	+	He	5758	Bugrim,	73
I ₂ [.]	+	N ₂	5758	Bugrim,	73
KrF [.]	+	He	13479	Eden,	78

REFERENCE

KrF	+	Ne	13479	Eden,	78
KrF	+	Xe	13479	Eden,	78
KrF	+	NF ₃	13479	Eden,	78
KrF [*]	+	F	12872	Jacob,	78
N ₂	+	Ar	15204	Ochkin,	78
N ₂	+	N ₂	15204	Ochkin,	78
N ₂			15004	Anketell,	70
N ₂ [.]	+	Ar	14538	Casassa,	79
N ₂ [.]	+	Bi	9151	Capelle,	77
N ₂ [.]	+	O	12423	Cartwright,	78
N ₂ [.]	+	CO	5401	Golde,	72
N ₂ [.]	+	N ₂	12423	Cartwright,	78
N ₂ [.]	+	NO	7819	Haydon,	75
N ₂ [.]	+	O ₂	12423	Cartwright,	78
Na ₂ [.]	+	K	7823	Kraulinya,	75
Na ₂ [.]	+	Na	9120	Kopeikina,	76
Na ₂ [.]	+	OH	6521	Wang,	75
Na ₂ [.]	+	H ₂ O	6521	Wang,	75
O ₂ [.]	+	HF	9178	Madronich,	77
O ₂ [.]	+	CO ₂	6064	Ogryzlo,	74
O ₂ [.]	+	H ₂ O	6064	Ogryzlo,	74
O ₂ [.]	+	HNO	14053	Ishiwata,	78
O ₂ ⁺¹	+	N ₂	15161	MacKay,	72
O ₂ ⁺¹	+	O ₂	15161	MacKay,	72
NO ₂	+	CO	11910	Hsu,	78
SO ₂	+	N ₂	12859	Strickler,	78
SO ₂	+	O ₂	9924	Su,	77
SO ₂	+	CO ₂	12859	Strickler,	78
SO ₂	+	SO ₂	5765	Brus,	73
Molecules			10254	Burke,	75
- -			13007	Homaidan,	78
- -			14329	Stebbins,	77
- -			15006	Callear,	78

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Ar [.]	14034	Golde,	77
He [.]	14034	Golde,	77
Kr [.]	14034	Golde,	77
Ne [.]	14034	Golde,	77
Xe [.]	14034	Golde,	77

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Ag ⁺	+	Ag	13288	Rebane, 74
Ar ⁺	+	Ar ⁺¹	13528	Johnson, 70
Ar ⁺	+	D ₂	9227	Huo, 77
Ar ⁺	+	HD	9227	Huo, 77
Ar ⁺	+	H ₂	9227	Huo, 77
Ar ⁺	+	N ₂ ⁺	11175	Cosby, 72
Au ⁺	+	Au	13288	Rebane, 74
Br ⁺	+	D ₂	8086	Zimmerman, 75
Br ⁺	+	HD	8086	Zimmerman, 75
Br ⁺	+	H ₂	8086	Zimmerman, 75
Cd ⁺	+	N ₂	7244	Phillips, 75
Cl ⁺	+	D ₂	8086	Zimmerman, 75
Cl ⁺	+	HD	8086	Zimmerman, 75
Cl ⁺	+	H ₂	8086	Zimmerman, 75
Cl ⁺	+	H ₂	11966	Snider, 70
Cs ⁺	+	Ar	13277	Rebane, 73
Cs ⁺	+	Cs	7714	Meunier, 76
Cs ⁺	+	He	7654	Olson, 75
			13277	Rebane, 73
Cs ⁺	+	Kr	13277	Rebane, 73
Cs ⁺	+	Ne	13277	Rebane, 73
Cs ⁺	+	Xe	13277	Rebane, 73
Cs ⁺	+	N ₂	13437	Franz, 75
Cs ⁺	+	CO	14824	Fisher, 71
Cs ⁺	+	N ₂	14824	Fisher, 71
			14973	Lijnse, 74
Cu ⁺	+	Cu	13288	Rebane, 74
D ⁺	+	Ar	10682	Olson, 77
D ⁺	+	H	13953	Harel, 79
F ⁺	+	H ⁺¹	14267	McCurdy, 79
F ⁺	+	Xe	14267	McCurdy, 79
F ⁺	+	D ₂	8086	Zimmerman, 75
			12199	Rebentrost, 78
F ⁺	+	HD	8086	Zimmerman, 75
F ⁺	+	H ₂	8086	Zimmerman, 75
			8894	De Vries, 76
			9079	De Vries, 77
			10416	Tully, 74
			13349	Thomas, 78
F ⁺	+	H ⁺¹	14657	Meyer, 79
F ⁺	+	H ₂	8124	Rebentrost, 76
			9776	Rebentrost, 77
			13969	Wyatt, 79
			14286	De Vries, 79
			14501	Wyatt, 79
			14791	Meyer, 79
H ⁺	+	D	9002	Kohmoto, 76

ORIGINAL DATA

H ⁺	+	H [*]	14781	Shirai, 79
H ⁺	+	H ₂	15235	Flannery, 73
H [*]	+	Ar	5408	Byron Jr., 73
			7821	Roussel, 75
			10682	Olson, 77
			13710	Levy II, 71
H [*]	+	Cs	8007	Olson, 76
H [*]	+	H	6319	Capitelli, 74
			13953	Harel, 79
			14987	Flannery, 71
			15038	Janev, 79
H [*]	+	H [*]	14252	Shirai, 79
H [*]	+	He	5408	Byron Jr., 73
			7821	Roussel, 75
			13184	Byron Jr., 70
			13593	Bell, 73
			13702	Byron Jr., 71
			13710	Levy II, 71
H [*]	+	Kr	5408	Byron Jr., 73
			13710	Levy II, 71
H [*]	+	Ne	5408	Byron Jr., 73
			13699	Baragiola, 71
			13710	Levy II, 71
H [*]	+	H ₂	7821	Roussel, 75
H [*]	+	N ₂	6680	Dose, 74
H [*]	+	CO ₂	6680	Dose, 74
H [*]	+	CCl ₄	6680	Dose, 74
H [*]	+	CH ₃ I	6680	Dose, 74
He [*]	+	He	7264	Shipsey, 75
			8009	Cohen, 76
			11018	Wellenstein, 72
			13198	Dupont-Roc, 71
			13801	Jordan, 78
			15163	Kodaira, 71
He [*]	+	Ne	14656	Haberland, 79
He ⁺¹	+	Ar	9204	Zhdanov, 76
He ⁺¹	+	He	9180	Bell, 77
			9204	Zhdanov, 76
He ⁺¹	+	Kr	9204	Zhdanov, 76
He ⁺¹	+	Xe	9204	Zhdanov, 76
Hf [*]	+	CO ₂	13298	Gruzdev, 74
			15188	Mach, 72
Hg ⁺	+	D ₂	9615	French, 77
Hg ⁺	+	HD	9615	French, 77
Hg ⁺	+	H ₂	9615	French, 77
Hg ⁺	+	CO	11174	Gonzalez, 72
			15199	Sibata, 79
Hg ⁺	+	H ₂	15199	Sibata, 79
Hg ⁺	+	N ₂	15199	Sibata, 79
Hg ⁺	+	NO	15199	Sibata, 79

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Hg ⁺	+	CO ₂	15199	Sibata, 79		Na ⁺	+	N ₂	8857	Barker, 76			
Hg ⁺	+	NH ₃	15199	Sibata, 79		Na ⁺	+	Ar	8148	Pascale, 76			
Hg ⁺	+	CH ₄	15199	Sibata, 79					12261	Pascale, 78			
Hg ⁺	+	C ₂ H ₄	15199	Sibata, 79					14284	Grynberg, 79			
Hg ⁺	+	C ₂ H ₆	15199	Sibata, 79					14824	Fisher, 71			
Hg ⁺	+	C ₃ H ₈	15199	Sibata, 79					15061	De Prunelle, 79			
I ⁻	+	D ₂	7845	French, 75		Na ⁺	+	He	8148	Pascale, 76			
			9615	French, 77					9629	Gaussorgues, 77			
I ⁻	+	HD	7845	French, 75					12261	Pascale, 78			
			9615	French, 77					12530	Masnou-Seeuws, 72			
I ⁻	+	H ₂	7845	French, 75					12550	Dashevskaya, 73			
			9615	French, 77					13750	Lewis, 72			
K ⁺	+	Ar	7654	Olson, 75					14279	Derouard, 78			
K ⁺	+	He	7654	Olson, 75					14284	Grynberg, 79			
K ⁺	+	Ne	7654	Olson, 75		Na ⁺	+	Kr	14824	Fisher, 71			
K ⁺	+	Ar	13257	Gordeev, 71					15061	De Prunelle, 79			
K ⁺	+	He	13257	Gordeev, 71					15136	Matsuzawa, 79			
K ⁺	+	K	13288	Rebane, 74					8148	Pascale, 76			
K ⁺	+	Kr	13257	Gordeev, 71					9629	Gaussorgues, 77			
K ⁺	+	Ne	13257	Gordeev, 71					12261	Pascale, 78			
K ⁺	+	Xe	13257	Gordeev, 71		Na ⁺	+	Ne	14284	Grynberg, 79			
K ⁺	+	CO	14824	Fisher, 71					14824	Fisher, 71			
K ⁺	+	H ₂	9792	Bottcher, 77					15061	De Prunelle, 79			
K ⁺	+	N ₂	9792	Bottcher, 77					15136	Matsuzawa, 79			
			12573	Andreev, 73					8148	Pascale, 76			
			14824	Fisher, 71					10664	Pascale, 77			
			14898	Andreev, 72					12261	Pascale, 78			
			14973	Lijnse, 74		Na ⁺	+	Xe	14279	Derouard, 78			
Li ⁺	+	He	13665	Reid, 75					14284	Grynberg, 79			
Li ⁺	+	CO	14761	Barker, 76					14824	Fisher, 71			
			14824	Fisher, 71					15061	De Prunelle, 79			
Li ⁺	+	D ₂	14761	Barker, 76		Na ⁺	+	CO	14761	Barker, 76			
Li ⁺	+	H ₂	9792	Bottcher, 77					14824	Fisher, 71			
			14761	Barker, 76		Na ⁺	+	D ₂	14761	Barker, 76			
Li ⁺	+	I ₂	14761	Barker, 76					Na ⁺	+	H ₂	9792	Bottcher, 77
Li ⁺	+	N ₂	9792	Bottcher, 77					14739	McGuire, 79			
			14761	Barker, 76					14761	Barker, 76			
			14824	Fisher, 71		Na ⁺	+	I ₂	14761	Barker, 76			
Li ⁺	+	CO ₂	14761	Barker, 76					Na ⁺	+	N ₂	5370	Lijnse, 73
Li ⁺	+	C ₂ H ₄	14761	Barker, 76						9792	Bottcher, 77		
N ⁺	+	N ₂	14762	Black, 76						12573	Andreev, 73		
Na ⁺	+	Ar	7654	Olson, 75						14761	Barker, 76		
Na ⁺	+	He	7654	Olson, 75						14824	Fisher, 71		
			9875	Lewis, 77						14973	Lijnse, 74		
Na ⁺	+	Na	7714	Meunier, 76		Na ⁺	+	CO ₂	14761	De Prunelle, 79			
Na ⁺	+	Ne	7654	Olson, 75						14761	Barker, 76		
Na ⁺	+	N ₂	7200	Bottcher, 75		Na ⁺	+	C ₂ H ₄	14761	Barker, 76			
						Ne ⁺	+	He	13554	Carrington, 71			

ORIGINAL DATA

Ne ⁺	+	Ne	7242	Kruglevsky, 74
			11761	Cohen, 78
			13554	Carrington, 71
			15246	Schneider, 74
O	+	O	12546	Olson, 73
O	+	CO	10267	Tully, 75
O	+	N ₂	9571	Delgado-Barrio, 77
			10232	Gordeev, 77
O	+	N ₂	10262	Zahr, 75
			10360	Tully, 74
			10570	Delos, 73
O ⁺	+	Ar	10366	Julienne, 78
			11511	Kinnersly, 78
O ⁺	+	Ar ⁺¹	10366	Julienne, 78
O ⁺	+	He	10366	Julienne, 78
			11511	Kinnersly, 78
O ⁺	+	Kr	10366	Julienne, 78
			11511	Kinnersly, 78
O ⁺	+	Kr ⁺¹	10366	Julienne, 78
O ⁺	+	Ne	10366	Julienne, 78
			11511	Kinnersly, 78
O ⁺	+	O	7640	Krauss, 75
O ⁺	+	Xe	10366	Julienne, 78
			11511	Kinnersly, 78
O ⁺	+	Xe ⁺¹	10366	Julienne, 78
O ⁺	+	CO	15059	Kinnersly, 79
O ⁺	+	N ₂	14273	Villarreal, 79
Pb	+	D ₂	6714	Ewing, 74
			9615	French, 77
Pb	+	HD	9615	French, 77
Pb	+	H ₂	9615	French, 77
Rb	+	Ar	7654	Olson, 75
			9578	Gounand, 77
			13277	Rebane, 73
			13743	Papp, 72
Rb	+	He	7654	Olson, 75
			9182	Doebler, 77
			9578	Gounand, 77
			13277	Rebane, 73
			13743	Papp, 72
Rb	+	Kr	9182	Doebler, 77
			13277	Rebane, 73
Rb	+	Ne	7654	Olson, 75
			9578	Gounand, 77
			9875	Lewis, 77
			13277	Rebane, 73
			13620	Wilson, 74
			13743	Papp, 72
			14878	Shimoni, 75
Rb	+	Rb	7714	Meunier, 76
			9578	Gounand, 77

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Rb	+	Xe	9182	Doebler, 77
			13277	Rebane, 73
Rb ⁺	+	Ar	14725	De Prunelle, 79
			15061	De Prunelle, 79
			15136	Matsuzawa, 79
Rb ⁺	+	He	10663	Brouillaud, 77
			14725	De Prunelle, 79
			15061	De Prunelle, 79
			15136	Matsuzawa, 79
Rb ⁺	+	Kr	15061	De Prunelle, 79
			15061	De Prunelle, 79
Rb ⁺	+	Rb	13288	Rebane, 74
			10663	Brouillaud, 77
			14725	De Prunelle, 79
			15061	De Prunelle, 79
			15136	Matsuzawa, 79
Rb ⁺	+	CO	14824	Fisher, 71
			14824	Fisher, 71
			14973	Lijnse, 74
Rb ⁺	+	N ₂	12237	Lawley, 78
			12237	Lawley, 78
Rb ⁺	+	CD ₄	12237	Lawley, 78
			12237	Lawley, 78
Rb ⁺	+	CH ₄	10366	Julienne, 78
			10366	Julienne, 78
S ⁺	+	Ar	10366	Julienne, 78
			10366	Julienne, 78
S ⁺	+	He	10366	Julienne, 78
			10366	Julienne, 78
S ⁺	+	Kr	10366	Julienne, 78
			10366	Julienne, 78
S ⁺	+	Ne	10366	Julienne, 78
			10366	Julienne, 78
S ⁺	+	Xe	10366	Julienne, 78
			10366	Julienne, 78
Se ⁺	+	Ar	10366	Julienne, 78
			10366	Julienne, 78
Se ⁺	+	He	10366	Julienne, 78
			10366	Julienne, 78
Se ⁺	+	Kr	10366	Julienne, 78
			10366	Julienne, 78
Se ⁺	+	Ne	10366	Julienne, 78
			10366	Julienne, 78
Se ⁺	+	Xe	10366	Julienne, 78
			10366	Julienne, 78
Se ⁺	+	Ar	10366	Julienne, 78
			10366	Julienne, 78
Se ⁺	+	He	10366	Julienne, 78
			10366	Julienne, 78
Se ⁺	+	Kr	10366	Julienne, 78
			10366	Julienne, 78
Se ⁺	+	Ne	10366	Julienne, 78
			10366	Julienne, 78
Se ⁺	+	Xe	10366	Julienne, 78
			10366	Julienne, 78
T [*]	+	H	13953	Harel, 79
			9615	French, 77
Te ⁺	+	D ₂	6714	Ewing, 74
			7845	French, 75
			9615	French, 77
Te ⁺	+	HD	7845	French, 75
			9615	French, 77
Te ⁺	+	H ₂	6714	Ewing, 74
			7845	French, 75
			9615	French, 77
Tl ⁺	+	Ar	13277	Rebane, 73
			13277	Rebane, 73
Tl ⁺	+	He	13277	Rebane, 73
			13277	Rebane, 73
Tl ⁺	+	Kr	13277	Rebane, 73
			13277	Rebane, 73
Tl ⁺	+	Ne	13277	Rebane, 73
			13277	Rebane, 73
Tl ⁺	+	Xe	13277	Rebane, 73
			13277	Rebane, 73
Tl ⁺	+	D ₂	7845	French, 75
			9615	French, 77
Tl ⁺	+	HD	7845	French, 75
			9615	French, 77
Tl ⁺	+	H ₂	7845	French, 75

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Tl	+	H ₂	9615	French,	77
Tl ⁺	+	CO	14824	Fisher,	71
Tl ⁺	+	N ₂	14824	Fisher,	71
Tl ⁺	+	NO	14824	Fisher,	71
Tl ⁺	+	O ₂	14824	Fisher,	71
Ar ₂ ⁺	+	Kr	14261	Oka,	79
Ar ₂ ⁺	+	Xe	14261	Oka,	79
CO ⁺	+	CO	7265	Slanger,	75
CO ⁺	+	N ₂	7265	Slanger,	75
HCl	+	Xe ⁺	14731	Matsuzawa,	79
H ₂ ⁺	+	Ar	9208	Huo,	77
N ₂	+	N ₂	9527	Ravodina,	76
N ₂ ⁺	+	CO	14812	Deperasinska,	79
OH	+	C ⁺¹	12775	Bouloy,	77
OH	+	H ⁺¹	12775	Bouloy,	77
O ₂	+	D ₂	8324	Braithwaite,	76
O ₂	+	HBr	8485	Braithwaite,	76
O ₂	+	H ₂	9067	Braithwaite,	76
O ₂ ⁺	+	CO	8324	Braithwaite,	76
O ₂ ⁺	+		9420	Braithwaite,	77
O ₂ ⁺	+	D ₂	9420	Braithwaite,	77
O ₂ ⁺	+	HBr	8324	Braithwaite,	76
O ₂ ⁺	+		9420	Braithwaite,	77
O ₂ ⁺	+	HCl	8324	Braithwaite,	76
O ₂ ⁺	+	HD	8324	Braithwaite,	76
O ₂ ⁺	+		9420	Braithwaite,	77
O ₂ ⁺	+	H ₂	8324	Braithwaite,	76
O ₂ ⁺	+		9420	Braithwaite,	77
O ₂ ⁺	+	N ₂	8324	Braithwaite,	76
O ₂ ⁺	+	NO	8324	Braithwaite,	76
O ₂ ⁺	+		9420	Braithwaite,	77
O ₂ ⁺	+	O ₂	8324	Braithwaite,	76
CD ₂	+	Ar	8839	Kulander,	76
CD ₂	+	He	8839	Kulander,	76
CD ₂	+	Kr	8839	Kulander,	76
CD ₂	+	Ne	8839	Kulander,	76
CH ₂	+	Ar	8839	Kulander,	76
CH ₂	+		12467	Chu,	71
CH ₂	+	He	8839	Kulander,	76
CH ₂	+		12467	Chu,	71
CH ₂	+	Kr	8839	Kulander,	76
CH ₂	+	Ne	8839	Kulander,	76
CH ₂	+	Xe	12467	Chu,	71
NO ₂ Cl	+	Ar	10169	Nordholm,	77
NO ₂ Cl	+	He	10169	Nordholm,	77
NO ₂ Cl	+	Kr	10169	Nordholm,	77

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NO ₂ Cl	+	Ne	10169	Nordholm,	77
NO ₂ Cl	+	Xe	10169	Nordholm,	77
NO ₂ Cl	+	H ₂	10169	Nordholm,	77
NO ₂ Cl	+	N ₂	10169	Nordholm,	77
NO ₂ Cl	+	CO ₂	10169	Nordholm,	77
CD ₄	+	Cs	13168	Baylis,	73
CD ₃ H	+	Cs	13168	Baylis,	73
CH ₂ D ₂	+	Cs	13168	Baylis,	73
CH ₃ D	+	Cs	13168	Baylis,	73
CH ₄	+	Cs	13168	Baylis,	73
CH ₃ CN	+	Ar	10169	Nordholm,	77
CH ₃ CN	+	He	10169	Nordholm,	77
CH ₃ CN	+	Kr	10169	Nordholm,	77
CH ₃ CN	+	Ne	10169	Nordholm,	77
CH ₃ CN	+	Xe	10169	Nordholm,	77
CH ₃ CN	+	H ₂	10169	Nordholm,	77
CH ₃ CN	+	N ₂	10169	Nordholm,	77
CH ₃ CN	+	CO ₂	10169	Nordholm,	77
CH ₃ CN	+	HCN	10169	Nordholm,	77
C ₆ D ₆	+	C ₆ D ₆	11961	Selinger,	70
C ₆ H ₆	+	C ₆ H ₆	11961	Selinger,	70
REFERENCE					
Ar ⁺	+	H ₂	9208	Huo,	77
Cd	+	Ar	13284	Petraschen,	73
			15413	Tudorache,	73
Cd	+	He	13284	Petraschen,	73
			15413	Tudorache,	73
Cd	+	Kr	13284	Petraschen,	73
			15413	Tudorache,	73
Cd	+	Ne	13284	Petraschen,	73
			15413	Tudorache,	73
Cd	+	Xe	13284	Petraschen,	73
			15413	Tudorache,	73
Cd*			15414	Tudorache,	74
Cs*			12207	Series,	78
Cs*	+	Cs	15076	Dashevskaya,	79
Cs*	+	N ₂	14897	Meitlis,	72
He ⁺	+	He	15044	Bagaev,	78
			15360	Kereslidze,	75
Hg	+	Ar	13284	Petraschen,	73
Hg	+	He	13284	Petraschen,	73
Hg	+	Hg	15408	Saintout,	73
Hg	+	Kr	13284	Petraschen,	73
Hg	+	Ne	13284	Petraschen,	73
Hg ⁺	+	Cd	14966	Cheron,	75

REFERENCE

Hg ⁺	+	Hg	7255	Barrat, 75
I ⁻	+	D ₂	8086	Zimmerman, 75
I ⁻	+	HD	8086	Zimmerman, 75
I ⁻	+	H ₂	8086	Zimmerman, 75
K ⁺	+	K	15076	Dashevskaya, 79
Na ⁺	+	Na	15076	Dashevskaya, 79
Na ⁺	+	Molecules	14765	Taylor, 79
Pb ⁺	+	Ar	13284	Petraschen, 73
Pb ⁺	+	He	13284	Petraschen, 73
Pb ⁺	+	Kr	13284	Petraschen, 73
Pb ⁺	+	Ne	13284	Petraschen, 73
Pb ⁺	+	Xe	13284	Petraschen, 73
Rb ⁺	+	Rb	15076	Dashevskaya, 79
N ₂			15004	Anketell, 70
O ₂ ⁺	+	Molecules	9815	Thomas, 77
C ₅ H ₉ ⁺¹	+	CO ₂	14616	Forst, 79
C ₅ H ₉ ⁺¹	+	SO ₂	14616	Forst, 79
C ₅ H ₉ ⁺¹	+	CD ₄	14616	Forst, 79
C ₅ H ₉ ⁺¹	+	CF ₄	14616	Forst, 79
C ₅ H ₉ ⁺¹	+	CH ₂ F ₂	14616	Forst, 79
C ₅ H ₉ ⁺¹	+	CH ₃ F	14616	Forst, 79
C ₅ H ₉ ⁺¹	+	CH ₄	14616	Forst, 79
C ₅ H ₉ ⁺¹	+	C ₂ H ₆	14616	Forst, 79
Molecules			13152	Solc, 78
- -			8234	Lin, 75
			8364	Vdovin, 75
			8445	Makowski, 76
			8827	Pilling, 76
			9563	Tudorache, 77
			10190	Feuillade, 77
			10339	Freed, 74
			10382	Miller, 77
			10440	Nitzan, 74
			10470	Omont, 77
			10896	Lin, 73
			11078	Miller, 72
			11775	Miller, 78
			11820	Arora, 78
			12490	Dashevskaya, 71
			12513	Gelbart, 72
			12630	Baer, 75
			12853	Herrick, 78
			12883	Mavroyannis, 78
			13271	Rebane, 72
			13282	Duman, 73
			13292	Rebane, 74
			13297	Dashevskaya, 75
			13585	Carrington, 73
			14253	Wassam Jr., 79
			14842	Elbel, 70
			14887	Massey, 72

REFERENCE

- -			15233	Kaminski, 72
			15382	Ermatchenko, 73
CHEMI-IONIZATION EXPERIMENTAL				
REVIEW				
He ⁺	+	Ar	14328	Manus, 77
He ⁺	+	H	14328	Manus, 77
He ⁺	+	H ₂	14328	Manus, 77
- -			7999	Manus, 76
			8409	Niehaus, 71
			9538	Morgenstern, 76
			15154	Niehaus, 73
			15158	Wexler, 73
			15248	Hotop, 74
			15280	Leonas, 77
ORIGINAL DATA				
Ar	+	He ⁺	13163	Howard, 72
Ar	+	Rb	15392	Bydin, 71
Ar ⁺	+	Ar	15011	Radler, 79
			15440	Holcombe, 72
Ar ⁺	+	Ca	14638	Winn, 78
Ar ⁺	+	Cd	13388	Riseberg, 73
			15182	Riseberg, 71
Ar ⁺	+	H	7963	Morgner, 75
Ar ⁺	+	Hg	6605	Illenberger, 75
Ar ⁺	+	Na	9450	Neynaber, 77
Ar ⁺	+	Zn	13388	Riseberg, 73
			15182	Riseberg, 71
Ar ⁺	+	CO	14903	Jones, 70
			15440	Holcombe, 72
Ar ⁺	+	N ₂	14903	Jones, 70
			15440	Holcombe, 72
Ar ⁺	+	NO	6780	West, 75
			11020	Holcombe, 72
			15362	Clark, 72
Ar ⁺	+	O ₂	15362	Clark, 72
Ar ⁺	+	CO ₂	14903	Jones, 70
Ar ⁺	+	CS ₂	10192	Foreman, 77
Ar ⁺	+	H ₂ O	14391	Leonhardt, 77
Ar ⁺	+	C ₂ H ₂	11020	Holcombe, 72
			14903	Jones, 70
Ar ⁺	+	CH ₃	14903	Jones, 70
Ar ⁺	+	CH ₃ Cl	14903	Jones, 70
Ar ⁺	+	C ₂ H ₂ Cl ₂	13967	Martin, 79

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Ar ⁺	+	C ₂ H ₄	14903	Jones, 70
Ar ⁺	+	C ₃ H ₆	14903	Jones, 70
Ar ⁺	+	C ₃ H ₈	14391	Leonhardt, 77
Ar ⁺	+	C ₆ H ₄ Cl ₂	13967	Martin, 79
Ba ⁺	+	OH	6571	Cohen, 75
Ca ⁺	+	OH	6571	Cohen, 75
Ce ⁺	+	O ₂	8660	Young, 76
Cs ⁺	+	Cs	7294	Dobrolizh, 75
			9452	Korchevoi, 76
			9453	Korchevoi, 76
			15106	Klyucharev, 71
Cs ⁺	+	Cs ⁺	10865	Klyucharev, 77
Cs ⁺¹	+	Cs	14745	Korchevoi, 78
D ⁺¹	+	D ⁻	14722	Poulaert, 79
F ⁺	+	Xe	13644	Huestis, 78
Gd ⁺	+	O	15108	Lo, 74
H ⁺¹	+	H ⁻	14005	Poulaert, 78
He ⁺	+	Ar	10402	Arrathoon, 74
He ⁺	+	CO	10920	Young, 73
He ⁺	+	Ar	6368	Lindinger, 74
			6605	Illenberger, 75
			6653	Pesnelle, 75
			6681	Kubota, 75
			6761	Kubota, 75
			6780	West, 75
			7959	Pesnelle, 75
			9383	Brutschy, 76
			10296	Chen, 74
			10410	Leu, 74
			12547	Coleman, 73
			12943	Woodard, 78
			13204	Dunning, 70
			13444	Micha, 75
			13520	Bolden, 70
			14732	Hitachi, 79
			14755	Tuffin, 79
			15178	Sinda, 70
			15300	De Corpo, 70
			15441	Kramer, 72
			15448	Riola, 74
He ⁺	+	Ba	8635	Gerard, 76
He ⁺	+	Ca	11915	Butterfield, 78
He ⁺	+	Cd	12032	Schearer, 70
			13388	Riseberg, 73
			14259	Kartazaev, 78
			15021	Bochkova, 79
			15085	Cermak, 71
			15182	Riseberg, 71
He ⁺	+	Ce	8635	Gerard, 76
He ⁺	+	Cs	11404	Johnson, 78
			13378	Bergman, 73

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He ⁺	+	D	6733	Neynaber, 75
			7961	Fort, 75
			8017	Fort, 76
			13484	Neynaber, 78
			13515	Borodin, 78
			15434	Magnuson, 74
He ⁺	+	H	8477	Fort, 76
			10669	Fort, 77
			12461	Shaw, 71
			12486	Hotop, 71
			13218	Howard, 73
			13293	Aleksandrov, 74
			14491	Morgner, 79
			14541	Fort, 78
			15434	Magnuson, 74
He ⁺	+	He	8996	Shaw, 76
			13058	Kolokolov, 78
			14732	Hitachi, 79
			15267	Robben, 72
			15438	Wellenstein, 72
He ⁺	+	He ⁺	10573	Garrison, 73
			11336	LoDato, 71
			12152	Neynaber, 78
			13058	Kolokolov, 78
			13718	Miller, 71
			15179	Schearer, 70
He ⁺	+	Hg	6605	Illenberger, 75
			11085	Kartazaev, 77
			15021	Bochkova, 79
He ⁺	+	K	11404	Johnson, 78
			15220	Hotop, 70
He ⁺	+	Kr	6605	Illenberger, 75
			6681	Kubota, 75
			6761	Kubota, 75
			6780	West, 75
			12943	Woodard, 78
			13204	Dunning, 70
			13520	Bolden, 70
			14732	Hitachi, 79
			15178	Sinda, 70
			15441	Kramer, 72
			15448	Riola, 74
He ⁺	+	N	8042	Neynaber, 76
He ⁺	+	Na	11404	Johnson, 78
			15220	Hotop, 70
He ⁺	+	Ne	6368	Lindinger, 74
			6681	Kubota, 75
			6761	Kubota, 75
			10296	Chen, 74
			14732	Hitachi, 79
He ⁺	+	Ne ⁺	7102	Neynaber, 75
			10145	Neynaber, 77
He ⁺	+	O	8042	Neynaber, 76
			14931	Cook, 74

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He ⁺	+	Rb	11404	Johnson, 78
He ⁺	+	Sr	11915	Butterfield, 78
He ⁺	+	Xe	6368	Lindinger, 74
			6605	Illenberger, 75
			6681	Kubota, 75
			6761	Kubota, 75
			6780	West, 75
			12547	Coleman, 73
			12568	Lantschner, 73
			12943	Woodard, 78
			13204	Dunning, 70
			13520	Bolden, 70
			14732	Hitachi, 79
			15407	Bochkova, 73
			15448	Riola, 74
He ⁺	+	Xe ⁺	13269	Bochkova, 72
			15407	Bochkova, 73
He ⁺	+	Y	8635	Gerard, 76
He ⁺	+	Zn	13388	Riseberg, 73
			15021	Bochkova, 79
			15182	Riseberg, 71
He ⁺	+	CO	4538	Hotop, 70
			5867	Hurt, 72
			6326	Leu, 74
			6780	West, 75
			7257	Yee, 75
			10925	Richardson, 73
			13204	Dunning, 70
			13519	Bolden, 70
			13520	Bolden, 70
			14723	Parr, 79
			15448	Riola, 74
He ⁺	+	Cl ₂	10925	Richardson, 73
He ⁺	+	D ₂	6897	Specht, 75
He ⁺	+	HBr	9997	Brion, 77
			10482	Haugh, 73
			10925	Richardson, 73
			10979	Bush, 73
			12502	Richardson, 71
He ⁺	+	HCl	9997	Brion, 77
			10042	Hotop, 77
			10925	Richardson, 73
			10979	Bush, 73
			12502	Richardson, 71
			14723	Parr, 79
He ⁺	+	HD	6897	Specht, 75
He ⁺	+	HF	9997	Brion, 77
			10671	Brion, 77
He ⁺	+	H ₂	4538	Hotop, 70
			6326	Leu, 74
			6368	Lindinger, 74
			6780	West, 75
			6897	Specht, 75
			7257	Yee, 75

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He ⁺	+	H ₂	9998	Mentall, 77
			10673	Fort, 77
			11912	Zhitnikov, 77
			13204	Dunning, 70
			13218	Howard, 73
			13520	Bolden, 70
			14247	Fort, 78
			14802	Tiffin, 79
			15178	Sinda, 70
			15431	Neynaber, 72
He ⁺	+	Hl	9997	Brion, 77
			10671	Brion, 77
He ⁺	+	N ₂	4538	Hotop, 70
			6326	Leu, 74
			6368	Lindinger, 74
			6605	Illenberger, 75
			6780	West, 75
			7257	Yee, 75
			8229	Ueno, 76
			10042	Hotop, 77
			10674	Penkin, 77
			10925	Richardson, 73
			12099	Kassal, 71
			13204	Dunning, 70
			13274	Bochkova, 72
			13520	Bolden, 70
			13724	Mark, 71
			14724	Yokoyama, 79
			15448	Riola, 74
He ⁺	+	NO	4809	Brion, 72
			6625	Coxon, 75
			6780	West, 75
			7257	Yee, 75
			13204	Dunning, 70
			13519	Bolden, 70
			13520	Bolden, 70
			15448	Riola, 74
He ⁺	+	O ₂	6326	Leu, 74
			6368	Lindinger, 74
			6405	West, 74
			6780	West, 75
			7257	Yee, 75
			10042	Hotop, 77
			10925	Richardson, 73
			12502	Richardson, 71
			13204	Dunning, 70
			13520	Bolden, 70
			15448	Riola, 74
He ⁺	+	CO ₂	6368	Lindinger, 74
			6780	West, 75
			13520	Bolden, 70
			14969	Wauchop, 72
			15448	Riola, 74
He ⁺	+	D ₂ O	9587	Sanders, 77
			10043	Cermak, 77
He ⁺	+	H ₂ O	9587	Sanders, 77

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He*	+	H ₂ O	10043	Cermak,	77
He	+	H ₂ S	10043	Cermak,	77
He	+	N ₂ O	6780	West,	75
			15448	Riola,	74
He	+	SO ₂	10043	Cermak,	77
			6368	Lindinger,	74
			13520	Bolden,	70
He	+	CH ₄	13519	Bolden,	70
			13520	Bolden,	70
			15448	Riola,	74
He	+	C ₂ H ₂ Cl ₂	13967	Martin,	79
He	+	C ₆ H ₄ Cl ₂	13967	Martin,	79
Hg	+	Cs	5462	Brodskii,	70
			14894	Brodskii,	70
K	+	Br ₂	9591	Dispert,	77
K	+	Cl ₂	9591	Dispert,	77
K	+	IBr	15105	Auerbach,	73
K	+	ICl	15105	Auerbach,	73
K'	+	K	7252	Kupriyanov,	7
			9286	Klyucharev,	7
K'	+	K'	9937	Klyucharev,	7
			10865	Klyucharev,	7
			15416	Paslen,	74
Kr	+	Cd	13388	Riseberg,	73
			15182	Riseberg,	71
Kr	+	Zn	13388	Riseberg,	73
			15182	Riseberg,	71
Kr	+	NO	6780	West,	75
Kr	+	C ₂ H ₂	14903	Jones,	70
Kr	+	C ₂ H ₄	14903	Jones,	70
Kr	+	C ₃ H ₄	14903	Jones,	70
Kr	+	C ₃ H ₆	14903	Jones,	70
Li	+	IBr	15105	Auerbach,	73
Li	+	ICl	15105	Auerbach,	73
N	+	O	10863	Gentry,	77
N'	+	O	14741	Ringer,	79
Na	+	IBr	15105	Auerbach,	73
Na	+	ICl	15105	Auerbach,	73
Na	+	Na ⁺	9937	Klyucharev,	7
			10865	Klyucharev,	7
			15032	De Jong,	79
Ne	+	Ar	15236	Pfau,	70
Ne	+	H	15236	Pfau,	70
Ne	+	Hg	15236	Pfau,	70
Ne	+	Kr	15236	Pfau,	70
Ne	+	N	15236	Pfau,	70
Ne	+	Xe	15236	Pfau,	70

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Ne	+	Ar	6565	Neynaber, 75
			6780	West, 75
			11012	Tang, 72
			14391	Leonhardt, 77
			15178	Sinda, 70
			15441	Kramer, 72
Ne	+	Cd	13388	Riseberg, 73
			15085	Cermak, 71
			15182	Riseberg, 71
Ne	+	Hg	6605	Illenberger, 75
Ne	+	Kr	6605	Illenberger, 75
			6780	West, 75
			8489	Neynaber, 76
			10670	Hotop, 77
			11012	Tang, 72
			15178	Sinda, 70
			15441	Kramer, 72
Ne	+	Xe	6780	West, 75
			11012	Tang, 72
			12547	Coleman, 73
			13644	Huestis, 78
			14268	Neynaber, 79
Ne	+	Zn	13388	Riseberg, 73
			14352	Kartazaev, 78
			15182	Riseberg, 71
Ne	+	CO	4538	Hotop, 70
			6780	West, 75
Ne	+	H ₂	4538	Hotop, 70
			6780	West, 75
			14391	Leonhardt, 77
			15178	Sinda, 70
Ne	+	N ₂	4538	Hotop, 70
			6780	West, 75
			12099	Kassal, 71
Ne	+	NO	6780	West, 75
Ne	+	O ₂	6780	West, 75
			10670	Hotop, 77
			13519	Bolden, 70
Ne	+	CO ₂	6780	West, 75
Ne	+	D ₂ O	9587	Sanders, 77
Ne	+	H ₂ O	9587	Sanders, 77
Ne	+	H ₂ S	10043	Cermak, 77
Ne	+	N ₂ O	6730	West, 75
Ne	+	C ₂ H ₂ Cl ₂	13967	Martin, 79
Ne	+	C ₆ H ₄ Cl ₂	13967	Martin, 79
Rb	+	Rb ⁺	8244	Borodin, 75
			8636	Klyucharev, 76
			10865	Klyucharev, 77
Sr	+	OH	6571	Cohen, 75
Th	+	O	15108	Lo, 74
Th	+	O ₂	15108	Lo, 74

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Th	+	O ₃	12920	Patterson,	78
Ti	+	O	15108	Lo,	74
U	+	O	15435	Fite,	74
U	+	O ₂	7657	Young,	76
			15435	Fite,	74
Xe ⁺	+	He ⁺	13266	Bochkova,	72
Xe ⁺	+	Xe	6390	Klots,	74
Zr	+	O	15108	Lo,	74
N ₂	+	K	6627	Schmidt,	74
N ₂	+	Na	6627	Schmidt,	74
N ₂ ⁺	+	C ₂ H ₂	14903	Jones,	70
N ₂ ⁺	+	CH ₃ Cl	14903	Jones,	70
N ₂ ⁺	+	C ₂ D ₄	14903	Jones,	70
N ₂ ⁺	+	C ₃ H ₄	14903	Jones,	70
N ₂ ⁺	+	C ₃ H ₆	14903	Jones,	70
SO ₂	+	Ar	9516	Wu,	77
SO ₂	+	He	9516	Wu,	77

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Ar ⁺	+	Kr ⁺	14721	Neynaber,	79
Cs ⁺	+	Cs	15433	Ono,	70
Eu ⁺¹	+	Ar	15443	Coburn,	76
He ⁺	+	CH ₃ OH	12869	Sharp,	78
He ⁺	+	Ar	6295	Ebding,	74
			6863	Keliher,	75
			7958	Kalinin,	75
			7962	Niehaus,	75
			15173	Schearer,	70
			15176	Dunning,	70
He ⁺	+	Ca	14488	Hultsch,	79
He ⁺	+	Cd	6691	Bogdanova,	75
			15411	Hamel,	74
He ⁺	+	D	14541	Fort,	78
He ⁺	+	He	7915	Payne,	75
He ⁺	+	He ⁺	7283	Shuker,	75
He ⁺	+	Hg	6295	Ebding,	74
			7962	Niehaus,	75
He ⁺	+	Kr	6295	Ebding,	74
He ⁺	+	N	7960	Magnuson,	75
He ⁺	+	O	7960	Magnuson,	75
He ⁺	+	Sr	15016	Fahay,	79
He ⁺	+	Xe	6295	Ebding,	74
			7283	Shuker,	75
He ⁺	+	CO	6295	Ebding,	74
			6863	Keliher,	75
He ⁺	+	HBr	8657	Cermak,	76
He ⁺	+	HCl	7067	Hotop,	75
			8657	Cermak,	76

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He ⁺	+	H ₂	6863	Keliher,	75
He ⁺	+	N ₂	6295	Ebding,	74
			6863	Keliher,	75
			15181	Schearer,	71
He ⁺	+	BrCN	8656	Yee,	76
He ⁺	+	CO ₂	6863	Keliher,	75
			14717	Tsuji,	79
He ⁺	+	CS ₂	14716	Yencha,	79
He ⁺	+	CICN	8760	Cermak,	76
He ⁺	+	HCN	8656	Yee,	76
He ⁺	+	H ₂ O	8655	Yee,	76
He ⁺	+	ICN	8656	Yee,	76
He ⁺	+	N ₂ O	6863	Keliher,	75
He ⁺	+	SO ₂	13053	Tsuji,	78
He ⁺	+	C ₂ N ₂	8656	Yee,	76
			8760	Cermak,	76
He ⁺	+	H ₂ CO	8632	Yee,	76
He ⁺	+	HCO ₂ H	8632	Yee,	76
He ⁺	+	C ₂ H ₄	7261	Yee,	75
He ⁺	+	CH ₃ CN	8656	Yee,	76
			8760	Cermak,	76
He ⁺	+	CH ₃ OH	8655	Yee,	76
He ⁺	+	CH ₃ CHO	8632	Yee,	76
He ⁺	+	CH ₃ CO ₂ H	8632	Yee,	76
He ⁺	+	CH ₃ COCH ₃	8632	Yee,	76
He ⁺	+	C ₃ H ₈	14917	Lehrle,	74
He ⁺¹	+	Ba	13169	Arrathoon,	73
He ⁺¹	+	Ca	10815	Hultsch,	77
			13169	Arrathoon,	73
He ⁺¹	+	Cd	14924	Collins,	73
He ⁺¹	+	Ce	13169	Arrathoon,	73
He ⁺¹	+	La	13231	Littlewood,	74
He ⁺¹	+	Mg	13169	Arrathoon,	73
He ⁺¹	+	Pb	13169	Arrathoon,	73
He ⁺¹	+	Sn	13169	Arrathoon,	73
He ⁺¹	+	Sr	13169	Arrathoon,	73
He ⁺¹	+	Y	13169	Arrathoon,	73
			13231	Littlewood,	74
He ⁺¹	+	Yb	13169	Arrathoon,	73
He ⁺¹	+	Zn	14924	Collins,	73
He ⁺²	+	Hg	12255	Niehaus,	78
Hg ⁺	+	Hg	15199	Sibata,	79
K ⁺	+	CO	10235	Kupriyanov,	77
K ⁺	+	D ₂	10235	Kupriyanov,	77
K ⁺	+	N ₂	10235	Kupriyanov,	77

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K ⁺	+	NO	10235	Kupriyanov, 77
K ⁺	+	O ₂	10235	Kupriyanov, 77
K ⁺	+	CO ₂	10235	Kupriyanov, 77
K ⁺	+	H ₂ O	10235	Kupriyanov, 77
K ⁺	+	H ₂ S	10235	Kupriyanov, 77
K ⁺	+	N ₂ O	10235	Kupriyanov, 77
K ⁺	+	C ₂ D ₂	10235	Kupriyanov, 77
K ⁺	+	NH ₃	10235	Kupriyanov, 77
K ⁺	+	C ₂ D ₄	10235	Kupriyanov, 77
Na ⁺	+	Na ⁺	13140	Bearman, 78
Ne ⁺	+	H	14738	Morgner, 79
Ne ⁺	+	H ₂	15432	Rebick, 71
Ne ⁺	+	CS ₂	14716	Yencha, 79
Ne ⁺	+	ClCN	8760	Cermak, 76
Ne ⁺	+	DCN	8629	Cermak, 76
Ne ⁺	+	HCN	8629	Cermak, 76
Ne ⁺	+	C ₂ N ₂	8760	Cermak, 76
Ne ⁺	+	C ₂ H ₄	14766	Munakata, 79
Ne ⁺	+	CH ₃ CN	8760	Cermak, 76
Ne ⁺	+	C ₂ H ₆	14766	Munakata, 79
Ne ⁺	+	C ₆ H ₅ CN	8760	Cermak, 76
Sr ⁺	+	Sr	13448	Worden, 78
Th ⁺	+	O ₂	15439	Zavitsanos, 73
U ⁺	+	O	15442	Fite, 72
U ⁺	+	O ₂	11779	Vasu, 78
			15439	Zavitsanos, 73
			15442	Fite, 72
U ⁺	+	O ₃	12920	Patterson, 78
He ₂ ⁺	+	Xe	7283	Shuker, 75
K ₂ ⁺	+	Br ₂	15370	Lin, 74
- - -			4910	Dutton, 71
			14889	Shaw, 74
			15009	Gentry, 79
			15159	Muschlitz Jr., 73

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He ⁺	+	Ar	14328	Manus, 77
He ⁺	+	H	14328	Manus, 77
He ⁺	+	H ₂	14328	Manus, 77
- - -			7999	Manus, 76
			15154	Niehaus, 73
			15247	Berry, 74
			15248	Hotop, 74

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Ca ⁺	+	Ca	14049	Liu, 78
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H ⁺	+	H	15265	Koike, 72
			15268	Nielsen, 71
H ⁺¹	+	Ne	5608	Saxon, 73
He ⁺	+	Ar	6653	Pesnelle, 75
			6911	Kvlividze, 74
			7695	Nakamura, 75
			8050	Nakamura, 76
			8457	Hickman, 76
			10698	Kohmoto, 77
			13011	Bellum, 78
			13757	Olson, 72
			15072	Hoffmann, 79
He ⁺	+	D	10196	Hickman, 77
He ⁺	+	H	10146	Huo, 77
			10196	Hickman, 77
			11941	Miller, 70
			12194	Bieniek, 78
			12488	Cohen, 71
			13219	Cohen, 73
			13226	Bieniek, 74
			13537	Bell, 70
			14491	Morgner, 79
			14494	Isaacson, 79
			14936	Fujii, 70
			15266	Nakamura, 71
He ⁺	+	He	6911	Kvlividze, 74
			8009	Cohen, 76
			11025	Miller, 72
He ⁺	+	He	12048	Matsuzawa, 70
			13369	Johnson, 73
He ⁺	+	Kr	6911	Kvlividze, 74
He ⁺	+	Ne	6911	Kvlividze, 74
He ⁺	+	Xe	6911	Kvlividze, 74
He ⁺	+	H ₂	8305	Preston, 76
			9234	Hickman, 77
			10672	Cohen, 77
He ⁺¹	+	Ar	9204	Zhdanov, 76
He ⁺¹	+	H	6936	Kvlividze, 74
He ⁺¹	+	He	9204	Zhdanov, 76
He ⁺¹	+	Kr	9204	Zhdanov, 76
He ⁺¹	+	Mg	13623	Kulander, 75
He ⁺¹	+	Xe	9204	Zhdanov, 76
N ⁺	+	O	14740	Nielsen, 79
Ne ⁺	+	Ar	12471	Micha, 71
			12507	Olson, 72
Ne ⁺	+	Kr	12471	Micha, 71
Ne ⁺	+	Xe	12471	Micha, 71
Ne ⁺	+	H ₂	5608	Saxon, 73
CH ⁺	+	O	15447	MacGregor, 73

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He ⁺	+	Ar	14720	Hoffmann, 79
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He ⁺	+	H	14236	Isaacson, 79
He ⁺	+	He	14647	Obedkov, 78
			15269	Cohen, 76
He ⁺	+	H ₂	9085	Cohen, 77
He ⁺²	+	Hg	10819	Niehaus, 77
N	+	O	10864	Dahler, 77
U	+	O ₂	7657	Young, 76
- -			8040	Dalidchik, 76
			9049	Goble, 77
			10382	Miller, 77
			11119	Morgner, 78
			12053	Miller, 70
			14788	Andreev, 78
			14889	Shaw, 74
			15190	Drukarev, 72
			15280	Leonas, 77
			15329	Smirnov, 71

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- -			9538	Morgenstern, 76
			14885	Gilbody, 70
			15158	Wexler, 73
			15240	Gilbody, 71

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Ar	+	Ar	7020	Eriksen, 75
			10221	Hegerberg, 78
			11356	Hammond, 71
			12064	Haugsjaa, 70
			13357	Berry, 72
			13586	Gerber, 73
			15389	Leonas, 70
Ar	+	H	7788	Thomas, 75
			9280	Van Zyl, 77
			14763	Aberle, 79
Ar	+	H ⁺	13567	Dose, 72
Ar	+	He	7627	Brenot, 75
Ar ⁺¹	+	Ar	13357	Berry, 72
			13586	Gerber, 73
C ⁺	+	Xe	10654	Hiraishi, 77
C ⁺	+	H ₂ O	10654	Hiraishi, 77
C ⁺	+	C ₂ H ₂	10654	Hiraishi, 77
C ⁺	+	SF ₆	10654	Hiraishi, 77
C ⁺	+	C ₆ H ₆	10654	Hiraishi, 77
C ⁺¹	+	He	14238	Latypov, 78
C ⁺¹	+	Ne	14238	Latypov, 78
Cs	+	Ar	15260	Kelly, 72
Cs	+	CO	15260	Kelly, 72
Cs	+	H ₂	15260	Kelly, 72
Cs	+	N ₂	15260	Kelly, 72
Cs	+	CO ₂	15260	Kelly, 72
Cs	+	H ₂ O	15260	Kelly, 72
Cs	+	CD ₃ NO ₂	11752	Compton, 78
Cs	+	CH ₃ NO ₂	11752	Compton, 78
Cs	+	SF ₆	10308	Leffert, 74
D	+	N ₂	15099	Birely, 74
D ⁺¹	+	N ₂	15099	Birely, 74
H	+	Ar	9280	Van Zyl, 77
			9865	Roussel, 77
			11759	Aberle, 78
			13754	Spiess, 72
			14763	Aberle, 79
H	+	H	15069	Hill, 79
H	+	H ⁺	15069	Hill, 79
H	+	He	9865	Roussel, 77
H	+	Kr	9865	Roussel, 77
			11759	Aberle, 78
			13754	Spiess, 72
			14763	Aberle, 79
H	+	Ne	9865	Roussel, 77
			11759	Aberle, 78
			13754	Spiess, 72
			14763	Aberle, 79
H	+	Xe	9865	Roussel, 77
			11759	Aberle, 78
			13754	Spiess, 72
H	+	CO	11969	McNeal, 70
			15349	Afrosimov, 74
H	+	H ₂	9865	Roussel, 77
			13754	Spiess, 72
			15342	Afrosimov, 72
H	+	HI	13754	Spiess, 72
H	+	N ₂	10363	Bearman, 78
			13344	Van Zyl, 78
			13754	Spiess, 72
			15099	Birely, 74
H	+	O ₂	10363	Bearman, 78
			11759	Aberle, 78
			13344	Van Zyl, 78
			13439	Birely, 75
H	+	CO ₂	11969	McNeal, 70
			14934	Moore Jr., 75
H	+	N ₂ O	14934	Moore Jr., 75
H	+	NH ₃	11969	McNeal, 70
H	+	CH ₄	11969	McNeal, 70
H ⁺	+	Ar	9865	Roussel, 77
H ⁺	+	He	9865	Roussel, 77
H ⁺	+	Kr	9865	Roussel, 77
H ⁺	+	Ne	9865	Roussel, 77

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Cs	+	N ₂	15260	Kelly, 72
Cs	+	CO ₂	15260	Kelly, 72
Cs	+	H ₂ O	15260	Kelly, 72
Cs	+	CD ₃ NO ₂	11752	Compton, 78
Cs	+	CH ₃ NO ₂	11752	Compton, 78
Cs	+	SF ₆	10308	Leffert, 74
D	+	N ₂	15099	Birely, 74
D ⁺¹	+	N ₂	15099	Birely, 74
H	+	Ar	9280	Van Zyl, 77
			9865	Roussel, 77
			11759	Aberle, 78
			13754	Spiess, 72
			14763	Aberle, 79
H	+	He	9865	Roussel, 77
			13754	Spiess, 72
			14763	Aberle, 79
H	+	Kr	9865	Roussel, 77
			11759	Aberle, 78
			13754	Spiess, 72
			14763	Aberle, 79
H	+	Ne	9865	Roussel, 77
			11759	Aberle, 78
			13754	Spiess, 72
			14763	Aberle, 79
H	+	Xe	9865	Roussel, 77
			11759	Aberle, 78
			13754	Spiess, 72
			14763	Aberle, 79
H	+	CO	11969	McNeal, 70
			15349	Afrosimov, 74
H	+	H ₂	9865	Roussel, 77
			13754	Spiess, 72
			14763	Aberle, 79
H	+	HI	13754	Spiess, 72
H	+	N ₂	10363	Bearman, 78
			13344	Van Zyl, 78
			13754	Spiess, 72
			15099	Birely, 74
H	+	O ₂	10363	Bearman, 78
			11759	Aberle, 78
			13344	Van Zyl, 78
			13439	Birely, 75
H	+	CO ₂	11969	McNeal, 70
			14934	Moore Jr., 75
H	+	N ₂ O	14934	Moore Jr., 75
H	+	NH ₃	11969	McNeal, 70
H	+	CH ₄	11969	McNeal, 70
H ⁺	+	Ar	9865	Roussel, 77
H ⁺	+	He	9865	Roussel, 77
H ⁺	+	Kr	9865	Roussel, 77
H ⁺	+	Ne	9865	Roussel, 77

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H ⁺	+	Xe	9865	Roussel,	77
			10654	Hiraishi,	77
H ⁺	+	H ₂	9865	Roussel,	77
H ⁺	+	H ₂ O	10654	Hiraishi,	77
H ⁺	+	C ₂ H ₂	10654	Hiraishi,	77
H ⁺	+	SF ₆	10654	Hiraishi,	77
H ⁺	+	C ₆ H ₆	10654	Hiraishi,	77
H ⁺¹	+	He	13674	Keever,	70
			15400	Latypov,	73
H ⁺¹	+	He ⁺¹	9779	Peart,	77
H ⁺¹	+	Mg ⁺¹	9778	Peart,	77
H ⁺¹	+	Ne	15400	Latypov,	73
H ⁺¹	+	CO	11969	McNeal,	70
			15349	Afrosimov,	74
H ⁺¹	+	H ₂	15020	Rudd,	79
H ⁺¹	+	N ₂	4428	Sheridan,	71
			15020	Rudd,	79
			15099	Birely,	74
H ⁺¹	+	O ₂	13439	Birely,	75
H ⁺¹	+	CO ₂	11969	McNeal,	70
			14934	Moore Jr.,	75
H ⁺¹	+	N ₂ O	14934	Moore Jr.,	75
H ⁺¹	+	NH ₃	11969	McNeal,	70
H ⁺¹	+	CH ₄	11969	McNeal,	70
H ⁺¹	+	CH ₃ OH	9813	Mach,	77
He	+	Ar	13574	Gerber,	72
He	+	H	7478	Smith,	75
			13426	Sauers,	74
He	+	He	7679	Brenot,	75
			11356	Hammond,	71
			13370	Savola Jr.,	73
			13586	Gerber,	73
			13592	Barat,	73
			15389	Leonas,	70
			15405	Kalra,	71
He	+	He ⁺¹	13600	Gerber,	73
He	+	Kr	13574	Gerber,	72
He	+	Ne	13574	Gerber,	72
He	+	O	5628	Edwards,	73
He	+	Xe	13574	Gerber,	72
He	+	CO	10363	Bearman,	78
			13531	Browning,	70
He	+	H ₂	5614	Veatch,	73
			13531	Browning,	70
He	+	N ₂	8838	Sanders,	76
			10363	Bearman,	78
			13531	Browning,	70
He	+	O ₂	10363	Bearman,	78
			13531	Browning,	70

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He	+	CO ₂	13531	Browning,	70
He	+	CH ₄	13531	Browning,	70
He [*]	+	He	10104	Morgenstern,	77
			13230	Gillen,	74
He [*]	+	Xe	10654	Hiraishi,	77
He [*]	+	H ₂	10312	Neynaber,	74
He [*]	+	H ₂ O	10654	Hiraishi,	77
He [*]	+	C ₂ H ₂	10654	Hiraishi,	77
He [*]	+	SF ₆	10654	Hiraishi,	77
He [*]	+	C ₆ H ₆	10654	Hiraishi,	77
He ⁺¹	+	Ar	13574	Gerber,	72
			15135	Sataka,	79
He ⁺¹	+	Ba	11809	Zhukov,	77
He ⁺¹	+	Ca	11809	Zhukov,	77
He ⁺¹	+	He	7941	Benoit-Cattin,	75
			11112	Kessel,	78
			13572	Barat,	72
			13586	Gerber,	73
			13600	Gerber,	73
He ⁺¹	+	Kr	13574	Gerber,	72
			13737	Maier II,	72
He ⁺¹	+	Mg	11809	Zhukov,	77
He ⁺¹	+	Ne	13228	Gerber,	73
			13574	Gerber,	72
			13600	Gerber,	73
He ⁺¹	+	Sr	11809	Zhukov,	77
He ⁺¹	+	Xe	13574	Gerber,	72
			13737	Maier II,	72
He ⁺²	+	He	7628	Afrosimov,	75
			K	+	Ar
			K	+	Br ₂
			K	+	CO
			K	+	H ₂
			K	+	N ₂
			K	+	CO ₂
			K	+	H ₂ O
			K	+	CH ₃ NO ₂
			K ⁺¹	+	Ar
			7950	Menendez,	75
			13260	Pop,	71
			15390	Afrosimov,	70
			K ⁺¹	+	Ne
			K ⁺¹	+	Xe
			Kr	+	H
			Kr	+	He
			Kr	+	Kr
			Kr ⁺¹	+	Kr
			Li	+	Ar

ORIGINAL DATA

Li	+	CO	15260	Kelly,	72
Li	+	H ₂	15260	Kelly,	72
Li	+	N ₂	15260	Kelly,	72
Li	+	CO ₂	15260	Kelly,	72
Li	+	H ₂ O	15260	Kelly,	72
Li ⁺¹	+	He	11110	Yagishita,	78
			14238	Latypov,	78
			14698	Yagishita,	79
			15222	Andersen,	73
			15400	Latypov,	73
Li ⁺¹	+	Ne	10048	Latypov,	76
			14238	Latypov,	78
			15400	Latypov,	73
Mg ⁺¹	+	He	14238	Latypov,	78
Mg ⁺¹	+	Ne	14238	Latypov,	78
			14239	Latypov,	78
N ⁺¹	+	He	14238	Latypov,	78
N ⁺¹	+	Ne	14238	Latypov,	78
Na	+	Ar	15260	Kelly,	72
Na	+	CO	15260	Kelly,	72
Na	+	H ₂	15260	Kelly,	72
Na	+	N ₂	15260	Kelly,	72
Na	+	CO ₂	15260	Kelly,	72
Na	+	H ₂ O	15260	Kelly,	72
Na	+	CBrF ₃	11752	Compton,	78
Na	+	CF ₃ I	11752	Compton,	78
Na ⁺¹	+	He	14238	Latypov,	78
Na ⁺¹	+	Ne	8854	Latypov,	76
			14238	Latypov,	78
			14239	Latypov,	78
			15357	Belik,	75
			15401	Bydin,	73
Ne	+	H	14763	Aberle,	79
Ne	+	He	7627	Brenot,	75
Ne	+	He ⁺¹	13600	Gerber,	73
Ne	+	Ne	7679	Brenot,	75
			13586	Gerber,	73
			14430	Andersen,	78
			15389	Leonas,	70
Ne	+	Ne ⁺¹	13600	Gerber,	73
Ne	+	N ₂	10102	Millet,	77
Ne ⁺¹	+	Ba	11809	Zhukov,	77
Ne ⁺¹	+	Ca	11809	Zhukov,	77
Ne ⁺¹	+	He	14238	Latypov,	78
Ne ⁺¹	+	Kr	13737	Maier II,	72
Ne ⁺¹	+	Ne	13586	Gerber,	73
			14238	Latypov,	78
			14430	Andersen,	78
Ne ⁺¹	+	Sr	11809	Zhukov,	77

ORIGINAL DATA

Ne ⁺¹	+	Xe	13737	Maier II,	72
Ne ⁺²	+	Ne	14430	Andersen,	78
Rb	+	Ar	15260	Kelly,	72
Rb	+	CO	15260	Kelly,	72
Rb	+	H ₂	15260	Kelly,	72
Rb	+	N ₂	15260	Kelly,	72
Rb	+	CO ₂	15260	Kelly,	72
Rb	+	H ₂ O	15260	Kelly,	72
Sc	+	SF ₆	5884	Compton,	73
Sc	+	TeF ₆	5884	Compton,	73
Tl	+	Ar	15260	Kelly,	72
Tl	+	CO	15260	Kelly,	72
Tl	+	H ₂	15260	Kelly,	72
Tl	+	N ₂	15260	Kelly,	72
Tl	+	CO ₂	15260	Kelly,	72
Tl	+	H ₂ O	15260	Kelly,	72
Xe	+	H	14763	Aberle,	79
Xe	+	He	7627	Brenot,	75
Xe [*]	+	CCl ₄	9765	Foltz,	77
Xe [*]	+	CCl ₃ F	9765	Foltz,	77
Xe [*]	+	SF ₆	9765	Foltz,	77
Br ₂	+	K	10165	Aten,	77
			14986	Baede,	71
Br ₂	+	Li	14986	Baede,	71
Br ₂	+	Na	14986	Baede,	71
CO	+	H	7478	Smith,	75
CO	+	K	12437	Lacmann,	70
			13741	Cuderman,	72
CO	+	Na ⁺¹	13608	Graham,	73
CO	+	Ne	13608	Graham,	73
CO	+	Ne ⁺¹	13608	Graham,	73
CO	+	CO	11606	Utterback,	78
CO	+	N ₂	11606	Utterback,	78
Cl ₂	+	K	10165	Aten,	77
			12437	Lacmann,	70
			14986	Baede,	71
Cl ₂	+	Li	14986	Baede,	71
Cl ₂	+	Li [*]	14263	Mariella Jr.,	7
Cl ₂	+	Na	14986	Baede,	71
D ₂	+	D ₂	13379	Peterson,	73
F ₂	+	Li [*]	14263	Mariella Jr.,	7
HCl	+	K	12437	Lacmann,	70
HCl	+	Kr [*]	9794	Matsuzawa,	77
HF	+	Kr [*]	9794	Matsuzawa,	77
H ₂	+	Cs	14157	Ashton,	73
H ₂	+	H	7478	Smith,	75

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H ₂	+	H	15069	Hill, 79
H ₂	+	H [·]	13567	Dose, 72
			15069	Hill, 79
H ₂	+	He ⁺¹	7789	Shah, 75
H ₂	+	K	13741	Cuderman, 72
			14157	Ashton, 73
H ₂	+	Li	14157	Ashton, 73
H ₂	+	Na	14157	Ashton, 73
H ₂	+	Na ⁺¹	13608	Graham, 73
H ₂	+	Ne	13608	Graham, 73
H ₂	+	Ne ⁺¹	13608	Graham, 73
H ₂	+	Rb	14157	Ashton, 73
H ₂	+	H ₂	9863	Noda, 77
			13192	Morgan, 71
			13379	Peterson, 73
			13740	Morgan, 72
H ₂	+	H ₂ [·]	13740	Morgan, 72
H ₂ ⁺¹	+	Ar	15135	Sataka, 79
H ₂ ⁺¹	+	H ₂	13192	Morgan, 71
H ₂ ⁺¹	+	CH ₃ OH	9813	Mach, 77
I ⁻ Br	+	K	10165	Aten, 77
I ⁻ Cl	+	K	10165	Aten, 77
I ₂	+	K	10165	Aten, 77
			14986	Baede, 71
I ₂	+	Li	14986	Baede, 71
I ₂	+	Na	14986	Baede, 71
N ₂	+	Cs	14157	Ashton, 73
N ₂	+	D [·]	14734	Koch, 79
			14777	Koch, 79
N ₂	+	H	7478	Smith, 75
			13344	Van Zyl, 78
N ₂	+	H [·]	13567	Dose, 72
N ₂	+	K	6292	Haug, 74
			12437	Lacmann, 70
			13741	Cuderman, 72
			14157	Ashton, 73
N ₂	+	Li	14157	Ashton, 73
N ₂	+	Na	6292	Haug, 74
			14157	Ashton, 73
N ₂	+	Na ⁺¹	13608	Graham, 73
N ₂	+	Ne	13608	Graham, 73
N ₂	+	Ne ⁺¹	13608	Graham, 73
N ₂	+	Rb	14157	Ashton, 73
N ₂	+	CO	11606	Utterback, 78
N ₂	+	H ₂	9863	Noda, 77
N ₂	+	N ₂	12099	Kassal, 71
			15389	Leonas, 70
N ₂	+	NO	11606	Utterback, 78

ORIGINAL DATA

N ₂	+	CO ₂	11606	Utterback, 78
N ₂	+	CH ₄	11606	Utterback, 78
		NO	12437	Lacmann, 70
O ₂	+	K	14157	Ashton, 73
O ₂	+	H	7478	Smith, 75
			13344	Van Zyl, 78
O ₂	+	H [·]	13567	Dose, 72
O ₂	+	K	12437	Lacmann, 70
			13741	Cuderman, 72
O ₂	+	Li	14157	Ashton, 73
O ₂	+	Na	14157	Ashton, 73
O ₂	+	Na [·]	9892	Rothe, 77
O ₂	+	Na ⁺¹	13608	Graham, 73
O ₂	+	Ne	13608	Graham, 73
O ₂	+	Ne ⁺¹	13608	Graham, 73
O ₂	+	Rb	14157	Ashton, 73
CO ₂	+	H	7478	Smith, 75
D ₂ O	+	Cs	11244	Warmack, 78
D ₂ O	+	K	11244	Warmack, 78
H ₃ ⁺¹	+	CH ₃ OH	9813	Mach, 77
H ₂ O	+	Ar [·]	14733	Hiraishi, 79
H ₂ O	+	H	15379	Baribaud, 71
H ₂ O	+	D ₂ [·]	14511	Hiraishi, 79
H ₂ O	+	H ₂ [·]	14511	Hiraishi, 79
			14733	Hiraishi, 79
NO ₂	+	Li [·]	14263	Mariella Jr., 79
SO ₂	+	Na [·]	9892	Rothe, 77
NH ₃	+	Xe [·]	11505	Smith, 78
			14730	Kellert, 79
CH ₃ Br	+	Xe [·]	11113	Hildebrandt, 78
CH ₄	+	H	7478	Smith, 75
CH ₃ I	+	Xe [·]	11113	Hildebrandt, 78
C ₆ F ₆	+	Xe [·]	11113	Hildebrandt, 78

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Cs	+	He	15318	Ogurtsov, 70
Cs	+	Ne	15318	Ogurtsov, 70
H	+	N ₂	10668	Bearman, 77
H ⁺¹	+	N ₂	14968	Desesquelles, 75
He [·]	+	N ₂	15177	Hollstein, 70
He ⁺¹	+	Ba	10815	Hultsch, 77
He ⁺¹	+	He	10813	Thielmann, 77
			14543	Morgenstern, 79
			15017	Kessel, 79
			15216	Morgenstern, 79
He ⁺¹	+	Mg	15395	Latush, 72

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He^{+1}	+	Ne	9118	Olsen, 77
			14543	Morgenstern, 79
He^{+1}	+	NH_3	10282	Lindinger, 75
He^{+2}	+	He	15319	Latypov, 70
He^{+2}	+	Kr	14719	Johnsen, 79
He^{+2}	+	Xe	14719	Johnsen, 79
K	+	He	15318	Ogurtsov, 70
K	+	Ne	15318	Ogurtsov, 70
K^{+1}	+	Ar	15337	Afrosimov, 72
K^{+1}	+	N_2	14968	Desesquelle, 75
Kr^{+1}	+	Kr	14701	Afrosimov, 79
Li^*	+	Li	14602	Koch, 79
Li^{+1}	+	He	10814	Oomoto, 77
			15427	Latypov, 73
Li^{+1}	+	Ne	9118	Olsen, 77
			14699	Yagishita, 79
			15427	Latypov, 73
Li^{+1}	+	N_2	14968	Desesquelle, 75
Mg^{+1}	+	Ne	9118	Olsen, 77
Na	+	He	15318	Ogurtsov, 70
Na	+	Ne	15318	Ogurtsov, 70
Na^{+1}	+	Ne	9118	Olsen, 77
Na^{+1}	+	N_2	14968	Desesquelle, 75
Ne^{+1}	+	He	9118	Olsen, 77
Ne^{+1}	+	Ne	14543	Morgenstern, 79
Ne^{+1}	+	N_2	14968	Desesquelle, 75
Rb	+	He	15318	Ogurtsov, 70
Rb	+	Ne	15318	Ogurtsov, 70
CO_2	+	Cs	7104	Compton, 75
SF_6	+	H_2^+	14511	Hiraishi, 79
Ions			14319	Dolder, 77
- -			14329	Stebbins, 77

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ORIGINAL DATA

D^{+1}	+	Xe	14935	Tripathi, 70
H	+	Ar	14926	Green, 71
H	+	H	13205	Flannery, 70
			13959	Olson, 79
			15235	Flannery, 73
H	+	H^+	13563	Flannery, 72
			13683	Omidvar, 70
			14781	Shirai, 79
H	+	He	14926	Green, 71
			15235	Flannery, 73
H	+	Kr	14926	Green, 71
H	+	Ne	14926	Green, 71
H	+	Xe	14926	Green, 71
H^+	+	Cs	8007	Olson, 76
H^+	+	H^+	11471	Shirai, 78
			14252	Shirai, 79
			14780	Flannery, 79
H^{+1}	+	Ar	11171	Roy, 72
			13203	Kingston, 70
			14926	Green, 71
			14935	Tripathi, 70
H^{+1}	+	H	6900	Golden, 75
			13546	Flannery, 70
			14834	Ellis, 73
			15077	Dose, 75
H^{+1}	+	He	11171	Roy, 72
			14926	Green, 71
			14935	Tripathi, 70
H^{+1}	+	Kr	11171	Roy, 72
			13203	Kingston, 70
			14926	Green, 71
			14935	Tripathi, 70
H^{+1}	+	Ne	11171	Roy, 72
			14926	Green, 71
			14935	Tripathi, 70
H^{+1}	+	Xe	11171	Roy, 72
			14935	Tripathi, 70
H^{+1}	+	H_2^+	13365	Tripathi, 73
H^{+1}	+	CH_3OH	9814	Mach, 77
He	+	B	13596	Nikolaev, 73
He	+	Be	13596	Nikolaev, 73
He	+	C	13596	Nikolaev, 73
He	+	H	13398	Flannery, 73
			13596	Nikolaev, 73
			14926	Green, 71
He	+	H^+	13593	Bell, 73
He	+	He	10047	Komarov, 76
He	+	He	15191	Drawin, 73
He	+	Li	13596	Nikolaev, 73
He	+	Ne	10047	Komarov, 76

ORIGINAL DATA

Ar	+	Ar	10047	Komarov, 76
			12042	Merilo, 70
			15191	Drawin, 73
Ar	+	H	9281	Neumann, 77
			13398	Flannery, 73
			14926	Green, 71
Ar^{+1}	+	Ar	14975	Russek, 70
C^{+6}	+	H	9884	Salop, 77
D^{+1}	+	Ar	14935	Tripathi, 70
D^{+1}	+	He	14935	Tripathi, 70
D^{+1}	+	Kr	14935	Tripathi, 70
D^{+1}	+	Ne	14935	Tripathi, 70

ORIGINAL DATA

He ⁺	+	Ar	14083	Lam,	78
He ⁺¹	+	Ar	14935	Tripathi,	70
He ⁺¹	+	He	9180	Bell,	77
			13521	Bell,	70
			13591	Sidis,	73
			14935	Tripathi,	70
He ⁺¹	+	Kr	14935	Tripathi,	70
He ⁺¹	+	Mg	7681	Kulander,	75
He ⁺¹	+	Ne	14935	Tripathi,	70
He ⁺¹	+	Xe	14935	Tripathi,	70
He ⁺²	+	H	9886	Olson,	77
			13606	Msezane,	73
He ⁺²	+	Li	13972	Shipsey,	78
K ⁺¹	+	Ar	10806	Bydin,	77
Kr	+	H	13398	Flannery,	73
			14926	Green,	71
Kr	+	Kr	10047	Komarov,	76
			12042	Merilo,	70
			15191	Drawin,	73
Kr	+	Xe	10047	Komarov,	76
N ⁺¹	+	Ar	13696	Hayden,	71
Ne	+	H	13398	Flannery,	73
			14926	Green,	71
Ne	+	Ne	10047	Komarov,	76
			12042	Merilo,	70
			15191	Drawin,	73
Ne	+	Xe	10047	Komarov,	76
O ⁺¹	+	Kr	13696	Hayden,	71
Xe	+	H	13398	Flannery,	73
			14926	Green,	71
Xe	+	Xe	10047	Komarov,	76
			12042	Merilo,	70
			15191	Drawin,	73
HF	+	H ⁺	9794	Matsuzawa,	77
H ₂	+	H	13578	Mathur,	72
			15186	Mathur,	71
H ₂ ⁺¹	+	CH ₃ OH	9814	Mach,	77
N ₂	+	H	13578	Mathur,	72
			15186	Mathur,	71
O ₂	+	H	13578	Mathur,	72
			15186	Mathur,	71
H ₃ ⁺¹	+	CH ₃ OH	9814	Mach,	77
H ₂ O	+	Ar ⁺	11346	Matsuzawa,	71
H ₂ O	+	He ⁺	11346	Matsuzawa,	71
H ₂ O	+	Ne ⁺	11346	Matsuzawa,	71
SO ₂	+	Ar ⁺	11346	Matsuzawa,	71
SO ₂	+	He ⁺	11346	Matsuzawa,	71
SO ₂	+	Ne ⁺	11346	Matsuzawa,	71

ORIGINAL DATA

NH ₃	+	Ar ⁺	11346	Matsuzawa,	71
NH ₃	+	He ⁺	11346	Matsuzawa,	71
NH ₃	+	Ne ⁺	11346	Matsuzawa,	71

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H	+	Ar	13680	Olson,	70
H	+	He	13680	Olson,	70
H	+	Kr	13680	Olson,	70
H	+	Ne	13680	Olson,	70
H	+	H ₂	13680	Olson,	70
H	+	N ₂	13680	Olson,	70
H	+	O ₂	13680	Olson,	70
H			14685	Duman,	79
			15174	Senashenko,	70
H ⁺	+	H ⁺	10811	Nakamura,	77
H ⁺¹	+	H	13720	Lebeda,	71
			15264	Mukherjee,	73
			15174	Senashenko,	70
-	-		7998	Simons,	76
			8433	Pradhan,	76
			9796	Dappen,	77
			11067	Fowler,	72
			11122	Kruglova,	78
			12216	Nakamura,	78
			12857	Devdariani,	77
			13294	Dalidchik,	75
			13395	McGuire,	73
			13744	Fleischmann,	72
			14080	Rankin,	78
			14296	Reading,	79
			14330	Percival,	77
			14503	Kunc,	79
			14532	Olson,	79
			15187	Nikolaev,	71
			15274	Dalidchik,	70

DETACHMENT EXPERIMENTAL

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H ⁻			15080	Tawara,	73
			15418	Fedorenko,	71

ORIGINAL DATA

Ar	+	Cl ⁻	11477	Fayeton,	78
Ar	+	H ⁻	11845	Esaulov,	78
Br ⁻	+	Ar	12766	Smith,	78
Br ⁻	+	He	12766	Smith,	78
Br ⁻	+	Kr	12766	Smith,	78
Br ⁻	+	Ne	12766	Smith,	78
Br ⁻	+	O ₂	5917	Tiernan,	71
C ⁻	+	Mg	7793	Ilin,	75

DETACHMENT EXPERIMENTAL

DETACHMENT EXPERIMENTAL

ORIGINAL DATA

Cl ⁻	+	Ar	7724	Champion, 76
			7792	Champion, 75
			10832	Fayeton, 77
			12766	Smith, 78
Cl ⁻	+	He	5872	Cunningham, 73
			12766	Smith, 78
Cl ⁻	+	Kr	7724	Champion, 76
			12766	Smith, 78
Cl ⁻	+	Ne	7724	Champion, 76
			12766	Smith, 78
Cl ⁻	+	Xe	7724	Champion, 76
Cl ⁻	+	H ₂	5872	Cunningham, 73
Cl ⁻	+	O ₂	5917	Tiernan, 71
D ⁻	+	Ar	7994	Champion, 76
D ⁻	+	Cs	14673	Schlachter, 79
D ⁻	+	He	7994	Champion, 76
			13412	Lam, 74
D ⁻	+	Ne	7994	Champion, 76
D ⁻	+	N ₂	7994	Champion, 76
D ⁻	+	O ₂	5917	Tiernan, 71
F ⁻	+	Ar	11571	Mandl, 70
			11638	Mandl, 70
F ⁻	+	Cs ⁺¹	11571	Mandl, 70
			11638	Mandl, 70
F ⁻	+	He	13405	Edwards, 74
F ⁻	+	CO	11191	Mandl, 72
F ⁻	+	H ₂	11191	Mandl, 72
F ⁻	+	N ₂	12133	Mandl, 71
H ⁻	+	Ar	7790	Risley, 75
			7994	Champion, 76
			10831	Greenland, 77
			13406	Risley, 74
			13419	Risley, 74
			13580	Simpson, 72
			14694	Risley, 79
H ⁻	+	Cs	15172	Spiess, 70
H ⁻	+	H	13580	Simpson, 72
			14691	Esaulov, 79
			15098	Janev, 74
H ⁻	+	He	7790	Risley, 75
			7791	Harnois, 75
			7994	Champion, 76
			10831	Greenland, 77
			13161	McCaughhey, 72
			13165	Risley, 72
			13406	Risley, 74
			13412	Lam, 74
			13419	Risley, 74
			13580	Simpson, 72
			14694	Risley, 79
H ⁻	+	Kr	14694	Risley, 79

ORIGINAL DATA

H ⁻	+	Na	14695	Esaulov, 79
H ⁻	+	Ne	7994	Champion, 76
			14694	Risley, 79
H ⁻	+	Xe	14694	Risley, 79
H ⁻	+	H ₂	10831	Greenland, 77
			13406	Risley, 74
			13419	Risley, 74
H ⁻	+	N ₂	7989	Dose, 75
			7994	Champion, 76
			10831	Greenland, 77
			13419	Risley, 74
H ⁻	+	O ₂	7989	Dose, 75
He	+	D ⁻	12015	Bailey, 70
He	+	H ⁻	13419	Risley, 74
He ⁻	+	Ar	13580	Simpson, 72
He ⁻	+	H	13580	Simpson, 72
He ⁻	+	He	13580	Simpson, 72
I ⁻	+	Ne	14696	De Vreugd, 79
I ⁻	+	O ₂	5917	Tiernan, 71
Kr	+	Cl ⁻	11477	Fayeton, 78
Ne	+	Cl ⁻	11477	Fayeton, 78
Ne	+	H ⁻	11845	Esaulov, 78
O ⁻	+	Ar	12016	Wynn, 70
			13700	Edwards, 71
O ⁻	+	He	5628	Edwards, 73
			12016	Wynn, 70
			13432	Comer, 74
			13700	Edwards, 71
O ⁻	+	Ne	12016	Wynn, 70
O ⁻	+	CO	13225	Comer, 74
			13432	Comer, 74
O ⁻	+	H ₂	13225	Comer, 74
			13432	Comer, 74
O ⁻	+	N ₂	11928	Compton, 70
			13432	Comer, 74
O ⁻	+	NO	13432	Comer, 74
O ⁻	+	O ₂	5917	Tiernan, 71
			12015	Bailey, 70
			13225	Comer, 74
			13366	Mauer, 73
			13432	Comer, 74
O ⁻	+	CO ₂	13432	Comer, 74
O ⁻	+	O ₃	15444	Lifshitz, 77
O ⁻	+	C ₂ H ₂	13432	Comer, 74

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O ⁻	+	CH ₄	13432	Comer,	74
S ⁻	+	CO	13432	Comer,	74
S ⁻	+	O ₂	5917	Tiernan,	71
			13432	Comer,	74
S ⁻	+	H ₂ O	13432	Comer,	74
S ⁻	+	O ₃	15444	Lifshitz,	77
Xe	+	Cl ⁻	11477	Fayeton,	78
NO ⁻	+	He	5175	McFarland,	72
NO ⁻	+	Ne	5175	McFarland,	72
NO ⁻	+	CO	5175	McFarland,	72
NO ⁻	+	H ₂	5175	McFarland,	72
NO ⁻	+	NO	5175	McFarland,	72
NO ⁻	+	CO ₂	5175	McFarland,	72
NO ⁻	+	N ₂ O	5175	McFarland,	72
NO ⁻	+	NH ₃	5175	McFarland,	72
OH ⁻	+	He	12016	Wynn,	70
OH ⁻	+	O ₂	12015	Bailey,	70
O ₂ ⁻	+	He	12016	Wynn,	70
O ₂ ⁻	+	O ₂	12015	Bailey,	70
SH ⁻	+	O ₂	5917	Tiernan,	71
CF ₃ ⁻	+	CF ₄	15100	Suleebka,	74
UF ₆ ⁻	+	Ar	14697	Champion,	79

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Cl ⁻	+	H ₂	10834	Cheung,	77
H ⁻	+	Ar	7578	Risley,	75
			14606	Risley,	79
H ⁻	+	H	7578	Risley,	75
			14692	Geddes,	79
H ⁻	+	He	14606	Risley,	79
H ⁻	+	Xe	14606	Risley,	79
H ⁻	+	N ₂	7937	Risley,	75
			14606	Risley,	79
I ⁻	+	He	6095	Cunningham,	74
I ⁻	+	Ne	14808	De Vreugd,	79
Ions			14319	Dolder,	77
-	-		8410	Craggs,	71

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Br ⁻	+	He	15058	Olson,	79
C ⁻	+	Ca [.]	13706	Blaney,	71
C ⁻	+	He [.]	13706	Blaney,	71
Cl ⁻	+	He [.]	13706	Blaney,	71
F ⁻	+	Ar	10876	Shui,	73
F ⁻	+	CO	10876	Shui,	73

ORIGINAL DATA

F ⁻	+	N ₂	10876	Shui,	73
H	+	He	13436	Risley,	74
H ⁻	+	Ca [.]	13706	Blaney,	71
H ⁻	+	Cs	8007	Olson,	76
H ⁻	+	H	13510	Bell,	78
			13549	Janev,	71
			13725	Mizuno,	71
			13995	Bieniek,	79
H ⁻	+	H [*]	13706	Blaney,	71
H ⁻	+	H ⁺¹	13589	Gayet,	73
			14290	Bell,	78
H ⁻	+	He	13510	Bell,	78
			14693	Gaujacq,	79
			15036	Herzenberg,	79
			15426	Devdariani,	73
H ⁻	+	He [.]	13706	Blaney,	71
H ⁻	+	Ne	15426	Devdariani,	73
H ⁻	+	Ar	13214	Snyder,	73
H ⁻	+	He	13214	Snyder,	73
He ⁻	+	H ₂	13214	Snyder,	73
O ⁻	+	Ca [.]	13706	Blaney,	71
O ⁻	+	He [.]	13706	Blaney,	71
O ⁻	+	O	13549	Janev,	71
O ⁻	+	N ₂	5766	Rebentrost,	73
			13955	Aleksandrov,	78
O ⁻	+	O ₂	4920	Eccles,	70
			5766	Rebentrost,	73
			13955	Aleksandrov,	78
NO ⁻	+	H ₂	15043	Aleksandrov,	79
NO ⁻	+	CO ₂	15043	Aleksandrov,	79
NO ⁻	+	N ₂ O	6536	Dutton,	75
O ₂ ⁻	+	N ₂	13955	Aleksandrov,	78
O ₂ ⁻	+	O ₂	13955	Aleksandrov,	78
O ₃ ⁻	+	O ₂	4920	Eccles,	70

REFERENCE

H ⁻			15323	Drukarev,	70
O ⁻	+	O ₂	4947	Wagner,	71
-	-		10870	Borodin,	77
			13294	Dalidchik,	75
			14304	Herzenberg,	77
			15351	Dalidchik,	74

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Ar ⁺¹	+	Ar	8173	Salzborn,	76
Ar ⁺²	+	Ar	8173	Salzborn,	76

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H		15080	Tawara,	73	Ar	+	D ₂ ⁻	11242	Schnitzer,	78	
		15418	Fedorenko,	71	Ar ⁺	+	I ₂	11918	Gillen,	78	
H ⁺	+	H ⁻	7578	Risley,	75	Ar ⁺	+	CH ₃ NO ₂	10427	Stockdale,	74
H ⁺			15080	Tawara,	73	Ar ⁺¹	+	Ar	10295	Kaiser,	74
			15418	Fedorenko,	71				10779	Nose,	77
Ne ⁺¹	+	Ar	8173	Salzborn,	76				11019	Sen Sharma,	72
O ⁺¹	+	O	13141	Torr,	78				11800	Vestal,	78
O ⁺¹	+	N ₂	13141	Torr,	78				14904	Jones,	70
O ⁺¹	+	NO	13141	Torr,	78				14911	Rosenberg,	73
O ⁺¹	+	O ₂	13141	Torr,	78				14942	Hishinuma,	72
O ⁺²	+	O	13141	Torr,	78				14955	Kobayashi,	75
N ₂ ⁺¹	+	O	13141	Torr,	78				15079	Lavigne,	72
-	-		7228	Franklin,	74	Ar ⁺¹	+	Ca	13625	Green,	74
			7246	Ferguson,	75	Ar ⁺¹	+	Cd	7814	Soskida,	75
			7577	Bayfield,	75				15402	Soskida,	75
			8248	Moseley,	75	Ar ⁺¹	+	Hg	13386	Johnsen,	73
			12978	Watson,	78	Ar ⁺¹	+	Kr	7372	Huber,	75
			14334	Los,	77				10780	Kikiani,	77
			14885	Gilbody,	70				10820	Kaneko,	77
			15156	Doering,	73				11798	Johnsen,	78
			15158	Wexler,	73				12940	Maier II,	78
			15167	Baede,	75				15145	Smith,	71
			15240	Gilbody,	71						

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Al	+	O ₂	12545	Cohen,	73		Ar ⁺	+	Xe	10780	Kikiani,	77
Al ⁺	+	Kr	10785	Dowek,	77					12940	Maier II,	78
Al ⁺	+	Ne	10785	Dowek,	77		Ar ⁺	+	Zn	15145	Smith,	71
Al ⁺	+	Xe	10785	Dowek,	77		Ar ⁺	+	CO	15402	Soskida,	75
Al ⁺	+	N ₂	7853	Rutherford,	75					9138	Hedrick,	77
Al ⁺	+	O ₂	7853	Rutherford,	75					9145	Latimer,	77
Ar	+	Ar ⁺	10221	Hegerberg,	78					9596	Kobayashi,	77
Ar	+	Ar ⁺²	9909	Suk,	77					10306	Laudenslager,	74
Ar	+	Cs	13413	Meyer,	74					10796	Goldberger,	77
Ar	+	H	9865	Roussel,	77					13561	Birkinshaw,	71
			10679	Roussel,	77					13689	Haugh,	70
			10680	Pradel,	77					13692	Liu,	70
			14763	Aberle,	79					13997	Rakshit,	78
Ar	+	H ⁻	7869	Edwards,	75					14906	Derrick,	71
			10458	Harnois,	77					14951	Kobayashi,	74
Ar	+	H ⁺	9865	Roussel,	77					15145	Smith,	71
			10679	Roussel,	77		Ar ⁺	+	Cs ₂	15286	Hyatt,	72
			10680	Pradel,	77		Ar ⁺	+	D ₂	15334	Gusev,	71
			13575	Dose,	72					15386	Polyakova,	70
Ar	+	He	7787	Roussel,	75					9632	Tsuji,	77
Ar	+	He ⁺¹	9791	Sidis,	77							
Ar	+	Li	13010	Bouliou,	78					10400	Rayborn,	74
Ar	+	N ⁺¹	10051	Vujovic,	77					11019	Sen Sharma,	7
Ar	+	O ⁻	7869	Edwards,	75		Ar ⁺	+	HBr	11061	Tomcho,	72
										13689	Haugh,	70
							Ar ⁺	+	HCl	10482	Haugh,	73
										11061	Tomcho,	72
										13689	Haugh,	70
							Ar ⁺	+	H ₂	9138	Hedrick,	77

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Ar^{+1}	+	H_2	9145 Latimer, 77 10400 Rayborn, 74 10873 Ryan, 73 11019 Sen Sharma, 72 11594 Rothwell Jr., 78 14399 Lindinger, 77 15145 Smith, 71	Ar^{+1}	+	H_2O	10818 Marx, 77 11503 Mauclaire, 78 12986 Karpas, 78 13363 Lindinger, 73
Ar^{+1}	+	N_2	7192 Fernandez, 75 9138 Hedrick, 77 9145 Latimer, 77 10295 Kaiser, 74 10306 Laudenslager, 74 10795 Hodge Jr., 77 11006 Moran, 72 11229 Howorka, 78 13561 Birkinshaw, 71 13692 Liu, 70 13997 Rakshit, 78 14901 Fromont, 70 14911 Rosenberg, 73 15145 Smith, 71 15286 Hyatt, 72	Ar^{+1}	+	N_2O	7169 Harland, 75 9144 Bearman, 77 10306 Laudenslager, 74 11131 Ryan, 72 13689 Haugh, 70 13692 Liu, 70
Ar^{+1}	+	NO	7674 Herman, 76 8844 Collin, 76 9138 Hedrick, 77 9596 Kobayashi, 77 10306 Laudenslager, 74 13561 Birkinshaw, 71 14951 Kobayashi, 74 15145 Smith, 71 15286 Hyatt, 72	Ar^{+1}	+	C_2H_2	7234 Lehrle, 75 11142 Lifshitz, 72 14905 Jones, 71 15145 Smith, 71
Ar^{+1}	+	O_2	9138 Hedrick, 77 9145 Latimer, 77 9596 Kobayashi, 77 10306 Laudenslager, 74 10825 Lindinger, 77 11229 Howorka, 78 11616 Smith, 70 12041 Adams, 70 13561 Birkinshaw, 71 13997 Rakshit, 78 14951 Kobayashi, 74 15145 Smith, 71 15286 Hyatt, 72	Ar^{+1}	+	NH_3	13519 Bolden, 70 14232 Jowko, 79
Ar^{+1}	+	CO_2	6984 Bregman-Reisler, 75 7169 Harland, 75 7727 Hedrick, 76 9384 Sim, 76 10306 Laudenslager, 74 10400 Rayborn, 74 10825 Lindinger, 77 13692 Liu, 70 13997 Rakshit, 78 14399 Lindinger, 77 15145 Smith, 71	Ar^{+1}	+	CD_4	12527 Bowers, 72
Ar^{+1}	+	CS_2	13689 Haugh, 70	Ar^{+1}	+	CF_4	11340 Smith, 71 15145 Smith, 71
				Ar^{+1}	+	CH_3Cl	14905 Jones, 71
				Ar^{+1}	+	CH_3F	14905 Jones, 71
				Ar^{+1}	+	CH_4	7727 Hedrick, 76 10306 Laudenslager, 74 12527 Bowers, 72 12528 Gagehofer, 72 12613 Ausloos, 75 13150 Li, 78
				Ar^{+1}	+	SiH_4	12527 Bowers, 72 12613 Ausloos, 75
				Ar^{+1}	+	C_2D_4	14905 Jones, 71
				Ar^{+1}	+	$\text{C}_2\text{H}_2\text{Cl}_2$	10960 Su, 73
				Ar^{+1}	+	$\text{C}_2\text{H}_2\text{Fl}_2$	11053 Bowers, 72
				Ar^{+1}	+	C_2H_4	7727 Hedrick, 76 14902 Smith, 70 14905 Jones, 71 15145 Smith, 71
				Ar^{+1}	+	CH_3OH	11142 Lifshitz, 72
				Ar^{+1}	+	C_2F_6	11340 Smith, 71 15145 Smith, 71
				Ar^{+1}	+	C_2H_6	7727 Hedrick, 76 12527 Bowers, 72 14905 Jones, 71 15145 Smith, 71
				Ar^{+1}	+	C_3H_6	15145 Smith, 71
				Ar^{+1}	+	C_3H_8	12527 Bowers, 72 15145 Smith, 71
				Ar^{+1}	+	$\text{C}_6\text{H}_4\text{F}_2$	10960 Su, 73

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Ar^{+1}	+	C_6H_6	14787	Tedder,	79
Ar^{+1}	+	C_4H_{10}	15145	Smith,	71
Ar^{+2}	+	Ar	7610	Ast,	75
			9518	Klinger,	76
			9748	Howorka,	77
			11164	Cosby,	72
			11601	Maier II,	78
			12752	Johnsen,	78
			14689	Okuno,	79
			14690	Bliman,	79
			14778	Johnsen,	79
			14784	Smith,	79
Ar^{+2}	+	He	7610	Ast,	75
			8863	Muller,	76
			11601	Maier II,	78
			12752	Johnsen,	78
			14719	Johnsen,	79
			14778	Johnsen,	79
			14784	Smith,	79
Ar^{+2}	+	Kr	7610	Ast,	75
			9518	Klinger,	76
			11601	Maier II,	78
			14778	Johnsen,	79
Ar^{+2}	+	N ₂	14664	Matsumoto,	79
Ar^{+2}	+	Ne	7610	Ast,	75
			11601	Maier II,	78
			13196	Maher,	71
			14778	Johnsen,	79
Ar^{+2}	+	Xe	7610	Ast,	75
			14778	Johnsen,	79
			14784	Smith,	79
Ar^{+2}	+	D ₂	13196	Maher,	71
Ar^{+2}	+	N ₂	9518	Klinger,	76
			11229	Howorka,	78
			15025	Neuschafer,	79
Ar^{+2}	+	O ₂	10823	Lindinger,	77
			11229	Howorka,	78
Ar^{+2}	+	CO ₂	10823	Lindinger,	77
			14399	Lindinger,	77
Ar^{+2}	+	CH ₄	14784	Smith,	79
Ar^{+3}	+	Ar	9518	Klinger,	76
			14690	Bliman,	79
Ar^{+3}	+	He	8863	Muller,	76
			11601	Maier II,	78
			11913	Afrosimov,	77
Ar^{+3}	+	Kr	9518	Klinger,	76
Ar^{+3}	+	N ₂	9518	Klinger,	76
Ar^{+4}	+	Ar	9123	Crandall,	77
			9518	Klinger,	76
Ar^{+4}	+	He	8863	Muller,	76
			11913	Afrosimov,	77
Ar^{+4}	+	Kr	9518	Klinger,	76

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Ar^{+4}	+	N ₂	9518	Klinger,	76
Ar^{+5}	+	Ar	9123	Crandall,	77
			9518	Klinger,	76
Ar^{+5}	+	He	8863	Muller,	76
			11913	Afrosimov,	77
Ar^{+5}	+	Kr	9518	Klinger,	76
Ar^{+5}	+	N ₂	9518	Klinger,	76
Ar^{+6}	+	He	8863	Muller,	76
			11913	Afrosimov,	77
Ar^{+7}	+	He	8863	Muller,	76
			11913	Afrosimov,	77
Ar^{+8}	+	He	8863	Muller,	76
B^{+1}	+	CD ₃ OH	11142	Lifshitz,	72
B^{+2}	+	H	14250	Crandall,	79
			14688	Nutt,	79
B^{+2}	+	H ₂	14250	Crandall,	79
			14688	Nutt,	79
B^{+3}	+	H	14250	Crandall,	79
B^{+3}	+	H ₂	14250	Crandall,	79
Ba	+	O ₂	12545	Cohen,	73
Ba^{+1}	+	Ar	12235	Ovchinnikov,	77
Ba^{+1}	+	Ba	7613	Panев,	75
			15452	Gaev,	74
Ba^{+2}	+	H	14688	Nutt,	79
Ba^{+2}	+	H ₂	14688	Nutt,	79
			15217	McCullough,	79
Be ⁺¹	+	He	7282	Olsen,	75
			14196	Olsen,	79
Be ⁺¹	+	Ne	14196	Olsen,	79
Be ⁺³	+	He	13732	Zwally,	71
Br ⁻	+	O ₂	10044	Vogt,	77
C	+	C ⁺⁴	9580	Dixon,	77
C	+	C ⁺⁵	9580	Dixon,	77
C	+	C ⁺⁶	9580	Dixon,	77
C	+	Cs	14282	Nagata,	79
C	+	K	14282	Nagata,	79
C	+	Na	14282	Nagata,	79
C	+	O ₂	12612	Konnen,	75
C^{+1}	+	Ar	11802	Moran,	78
C^{+1}	+	Cs	14282	Nagata,	79
C^{+1}	+	H	13952	Nutt,	79
C^{+1}	+	K	14282	Nagata,	79
C^{+1}	+	Kr	9633	Lehmann,	76
C^{+1}	+	Na	14282	Nagata,	79
C^{+1}	+	Ne	10781	Dowek,	77

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C ⁺¹	+	CO	11373	Maher, 71	Cs	+	Br	14039	Burdett, 79
C ⁺¹	+	CO	11802	Moran, 78	Cs	+	Cl	14039	Burdett, 79
			14906	Derrick, 71	Cs	+	Cs ⁺¹	10045	Oluwole, 77
C ⁺¹	+	H ₂	11802	Moran, 78	Cs	+	D ⁺¹	10797	Schlachter, 77
			12753	Lockwood, 78	Cs	+	H ⁻	13716	Leslie, 71
C ⁺¹	+	N ₂	11427	Ottinger, 78	Cs	+	H ⁺¹	10836	Van Wassenhove, 77
			11802	Moran, 78	Cs	+	He ⁺¹	9621	Schuessler, 77
			12753	Lockwood, 78	Cs	+	I	14039	Burdett, 79
C ⁺¹	+	O ₂	11802	Moran, 78	Cs	+	Mg ⁺¹	10216	Zavilopulo, 77
			13997	Rakshit, 78	Cs	+	O	13420	Vora, 74
C ⁺¹	+	CO ₂	11802	Moran, 78	Cs	+	Br ₂	9523	Hubers, 76
			13997	Rakshit, 78				10388	Kashihira, 74
C ⁺¹	+	N ₂ O	15013	Sunner, 79				10994	Leffert, 73
C ⁺¹	+	C ₂ H ₂	11133	Lindemann, 72	Cs	+	Cl ₂	9523	Hubers, 76
C ⁺¹	+	CH ₃ F	11938	Wilson, 70	Cs	+	HCl	10828	Kleyn, 77
C ⁺¹	+	CH ₄	12068	Wilson, 70	Cs	+	HI	10828	Kleyn, 77
C ⁺¹	+	C ₂ H ₄	11133	Lindemann, 72	Cs	+	ICl	9523	Hubers, 76
C ⁺¹	+	C ₂ H ₆	11133	Lindemann, 72	Cs	+	I ₂	9523	Hubers, 76
C ⁺¹	+	CH ₃ COCH ₃	14806	Freeman, 79				9619	Aten, 77
C ⁺²	+	Ar	13551	Hasted, 71	Cs	+	NO	5883	Nalley, 73
			14769	Viggiano, 79	Cs	+	O ₂	5883	Nalley, 73
C ⁺²	+	H	11403	Nutt, 78				6663	Rothe, 75
C ⁺²	+	He	8209	Makhdis, 76				10828	Kleyn, 77
			13551	Hasted, 71				12477	Nalley, 71
C ⁺²	+	Ne	8209	Makhdis, 76				13052	Kleyn, 78
			13551	Hasted, 71	Cs	+	CO ₂	10293	Tang, 74
			14769	Viggiano, 79	Cs	+	CS ₂	10293	Tang, 74
C ⁺²	+	Xe	14769	Viggiano, 79	Cs	+	D ₃ ⁻	10801	Cisneros, 77
C ⁺²	+	H ₂	11403	Nutt, 78	Cs	+	D ₂ O	10830	Warmack, 77
C ⁺³	+	H ₂	9123	Crandall, 77	Cs	+	N ₂ O	5883	Nalley, 73
C ⁺⁴	+	Ar	13693	Zwally, 70	Cs	+	NO ₂	5883	Nalley, 73
C ⁺⁴	+	He	8162	Crandall, 76				6663	Rothe, 75
			13693	Zwally, 70				10994	Leffert, 73
C ⁺⁴	+	Ne	13693	Zwally, 70	Cs	+	OCS	10293	Tang, 74
C ⁺⁴	+	H ₂	9123	Crandall, 77	Cs	+	O ₃	6663	Rothe, 75
Ca ⁺¹	+	Ca	7613	Paney, 75	Cs	+	SO ₂	6663	Rothe, 75
			11154	Rutherford, 72	Cs	+	PCl ₃	8974	Mathur, 76
			15452	Gaev, 74	Cs	+	SO ₃	6663	Rothe, 75
Ca ⁺¹	+	Kr	12235	Ovchinnikov, 77	Cs	+	CF ₃ I	7771	Tang, 76
Ca ⁺²	+	NO	11035	Spears, 72	Cs	+	CH ₃ I	10828	Kleyn, 77
Ca ⁺²	+	NO ₂	11035	Spears, 72	Cs	+	SeF ₆	11293	Compton, 78
Cd ⁺²	+	H	14688	Nutt, 79	Cs	+	UF ₆	9296	Compton, 77
			15217	McCullough, 79				10826	Annis, 77
Cd ⁺²	+	H ₂	14688	Nutt, 79				12245	Annis, 78
			15217	McCullough, 79	Cs	+	C ₄ H ₂ O ₃	10415	Compton, 74
Cl ⁻	+	O ₂	10044	Vogt, 77	Cs ⁺¹	+	Cs	11248	Anton, 78
Cl ⁺¹	+	N ₂ O	15013	Sunner, 79				12934	Nienstadt, 78

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Ca^{+1}	+	Cs	13677	Perel, 70	H	+	H	10678	Claeys, 77
Cs^{+2}	+	H_2	14687	Huber, 79				10679	Roussel, 77
Cs^{+3}	+	H_2	14687	Huber, 79				15069	Hill, 79
Cs^{+4}	+	H_2	14687	Huber, 79	H	+	H^-	14691	Esaulov, 79
Cs^{+5}	+	H_2	14687	Huber, 79	H	+	H^*	10679	Roussel, 77
Cu^{+1}	+	Kr	13530	Cobic, 70				15069	Hill, 79
Cu^{+1}	+	Ne	13530	Cobic, 70	H	+	He^{+1}	9877	Chong, 77
Cu^{+1}	+	N_2	13530	Cobic, 70	H	+	He	7787	Roussel, 75
D	+	Cs	14673	Schlachter, 79				7991	Thomas, 75
D	+	Xe	8466	Morgan, 76	H	+	He^{+1}	12974	Kudryavtsev, 77
D	+	Cs_2	12114	Lee, 71	H	+	He^{+2}	9886	Olson, 77
D	+	K_2	12114	Lee, 71				9886	Olson, 77
D	+	Rb_2	12114	Lee, 71	H	+	K	10223	Shah, 78
D^{+1}	+	Ar	13401	Dawson, 74	H	+	Kr	14668	Nagata, 79
D^{+1}	+	Ba	14278	Morgan, 79				10987	Dehmel, 73
D^{+1}	+	Cs	7722	Meyer, 75	H	+	Rb	11759	Aberle, 78
			7805	Anderson, 75	H	+	Xe	14668	Nagata, 79
			13425	Pradel, 74				10987	Dehmel, 73
			14892	Gruebler, 70	H	+		11759	Aberle, 78
D^{+1}	+	H	13427	Kondow, 74	H	+	CO	10987	Dehmel, 73
D^{+1}	+	He	13401	Dawson, 74				11969	McNeal, 70
D^{+1}	+	K	14892	Gruebler, 70	H	+	Cs_2	15349	Afrosimov, 74
D^{+1}	+	Kr	13401	Dawson, 74	H	+	H_2	12114	Lee, 71
D^{+1}	+	Li	14892	Gruebler, 70				7787	Roussel, 75
D^{+1}	+	Mg	14278	Morgan, 79	H	+	K_2	7991	Thomas, 75
D^{+1}	+	Na	14892	Gruebler, 70	H	+	N_2	12114	Lee, 71
D^{+1}	+	Xe	8466	Morgan, 76				10987	Kudryavtsev, 77
D^{+1}	+	D_2	12091	Holliday, 71	H	+		13344	Van Zyl, 78
D^{+1}	+	H_2	13441	Loyd, 75	H	+	O_2	13754	Spiess, 72
			14707	Peterson, 79				11759	Aberle, 78
					H	+		13344	Van Zyl, 78
D^{+1}	+	N_2	13441	Loyd, 75	H	+	Rb_2	12114	Lee, 71
D^{+1}	+	O_2	13441	Loyd, 75	H	+	CO_2	10987	Dehmel, 73
F^{+1}	+	CO	14906	Derrick, 71				11969	McNeal, 70
F^{+1}	+	N_2O	15013	Sunner, 79	H	+	NH_3	11969	McNeal, 70
Fe^{+1}	+	Kr	13530	Cobic, 70	H	+	CH_4	10987	Dehmel, 73
Fe^{+1}	+	Ne	13530	Cobic, 70				11969	McNeal, 70
Fe^{+1}	+	N_2	13530	Cobic, 70	H	+	N_2	10198	Risley, 77
Ga	+	Br	14039	Burdett, 79	H^*	+	Ar	15067	Hill, 79
Ga	+	Cl	14039	Burdett, 79	H^*	+	He	15067	Hill, 79
Ga	+	I	14039	Burdett, 79	H^*	+	He^{+2}	9795	Burniaux, 77
H	+	Ar	7991	Thomas, 75				10675	Szucs, 77
			9280	Van Zyl, 77	H^*	+	Kr	15067	Hill, 79
			10987	Dehmel, 73	H^*	+	Ne	15067	Hill, 79
			11759	Aberle, 78	H^*	+	N_2	13754	Spiess, 72
H	+	Cs	14668	Nagata, 79	H^{+1}	+	Ar	7671	Monnom, 75
			14672	Pradel, 79				7788	Thomas, 75
			15172	Spiess, 70					

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H^{+1}	+	Ar	7803	Risley, 75
			7932	Suchannek, 75
			7991	Thomas, 75
			8387	Suchannek, 75
			9122	Dawson, 77
			10812	Rodbro, 77
			11102	Latypov, 76
			11795	Risley, 78
			12221	Doughty, 78
			13181	Jaecks, 70
			13213	Durup, 72
			13372	Crandall, 73
			13401	Dawson, 74
			13446	Suchannek, 75
			13579	Abignoli, 72
			13603	Morgan, 73
			13688	Teubner, 70
			13704	Fitzwilson, 71
			13730	Crandall, 71
			13731	McKnight, 71
			14278	Morgan, 79
			14357	King, 79
			14659	Risley, 79

H^{+1}	+	Ba	10798	Morgan, 77
			13690	McFarland, 70
			14278	Morgan, 79

H^{+1}	+	Cs	14743	Morgan, 79
			7722	Meyer, 75
			7805	Anderson, 75
			11296	Haueisen, 78
			13410	Tuan, 74
			13425	Pradel, 74
			13754	Spiess, 72
			14294	Pradel, 79
			14512	Nagata, 79
			14668	Nagata, 79
			14671	Pradel, 79
			14892	Gruebler, 70
			15172	Spiess, 70
			15241	Vu Ngoc Tuan, 74

H^{+1}	+	Fe	11155	Rutherford, 72
H^{+1}	+	H	13174	Koch, 75

H^{+1}	+	H	13174	Koch, 75
			13187	Bayfield, 70
			13427	Kondow, 74
			13603	Morgan, 73
			13619	Houwer, 74
			14497	Hill, 79

H^{+1}	+	H ⁻	8822	Pearl, 76
			10810	Brouillard, 77
			13185	Moseley, 70
			13202	Gaily, 70
			13709	Peterson, 71
			14364	Brouillard, 79

H^{+1}	+	H'	14883	Malaviya, 70
H^{+1}	+	He	7565	Kleckner, 74

H^{+1}	+	He	7565	Kleckner, 74
			7803	Risley, 75

H^{+1}	+	He	7931	Kleckner, 75
			7991	Thomas, 75
			9122	Dawson, 77
			10812	Rodbro, 77
			11102	Latypov, 76

H^{+1}	+	K	11795	Risley, 78
			12221	Doughty, 78
			13181	Jaecks, 70
			13213	Durup, 72
			13372	Crandall, 73

H^{+1}	+	K	13401	Dawson, 74
			13579	Abignoli, 72
			13674	Keever, 70
			13688	Teubner, 70
			13704	Fitzwilson, 71

H^{+1}	+	Kr	13730	Crandall, 71
			13731	McKnight, 71
			13759	Fitzwilson, 72
			14357	King, 79
			14659	Risley, 79

H^{+1}	+	Kr	15400	Latypov, 73
			8144	Nagata, 76
			13690	McFarland, 70
			14512	Nagata, 79
			14668	Nagata, 79

H^{+1}	+	Kr	14892	Gruebler, 70
			7811	Benoit, 75
			9122	Dawson, 77
			9599	Benoit, 77
			9633	Lehmann, 76

H^{+1}	+	Kr	10365	Doughty, 78
			11102	Latypov, 76
			12221	Doughty, 78
			12521	Johnson, 72
			13401	Dawson, 74

H^{+1}	+	Kr	13579	Abignoli, 72
			13737	Maier II, 72
			14357	King, 79
			14659	Risley, 79

H^{+1}	+	Li	14892	Gruebler, 70
			15060	Myers, 79
			15421	Dyachkov, 72

H^{+1}	+	Mg	11791	Morgan, 78
			13690	McFarland, 70
			14278	Morgan, 79
			14743	Morgan, 79
			15421	Dyachkov, 72

H^{+1}	+	Na	11296	Haueisen, 78
			14512	Nagata, 79
			14892	Gruebler, 70
			15421	Dyachkov, 72

H^{+1}	+	Ne	7671	Monnom, 75
			10812	Rodbro, 77
			11102	Latypov, 76
			12221	Doughty, 78
			13213	Durup, 72

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H^{+1}	+	Ne	13393	Martin, 73
			13527	Janev, 70
			13579	Abignoli, 72
			13688	Teubner, 70
			14357	King, 79
			14659	Risley, 79
			15400	Latypov, 73
H^{+1}	+	O	10291	Rutherford, 74
			11036	Fehsenfeld, 72
H^{+1}	+	Rb	14512	Nagata, 79
			14668	Nagata, 79
H^{+1}	+	Tl	13690	McFarland, 70
H^{+1}	+	Xe	7809	Morgan, 75
			7810	Kubach, 75
			7813	Martin, 75
			8466	Morgan, 76
			8867	Kubach, 76
			10365	Doughty, 78
			12221	Doughty, 78
			12940	Maier II, 78
			13579	Ahignoli, 72
			13737	Maier II, 72
			14357	King, 79
			14659	Risley, 79
H^{+1}	+	CO	11030	Birely, 72
			11969	McNeal, 70
			14258	Loyd, 79
			15349	Afrosimov, 74
H^{+1}	+	D ₂	10404	Krenos, 74
			12091	Holliday, 71
			12117	Maier II, 71
H^{+1}	+	H ₂	7991	Thomas, 75
			9122	Dawson, 77
			10812	Rodbro, 77
			12091	Holliday, 71
			13213	Durup, 72
			13441	Loyd, 75
			14357	King, 79
			14497	Hill, 79
			15189	Hess, 72
			15445	Fournier, 72
H^{+1}	+	N ₂	7565	Kleckner, 74
			7671	Monnom, 75
			7931	Kleckner, 75
			7932	Suchannek, 75
			7991	Thomas, 75
			8387	Suchannek, 75
			9122	Dawson, 77
			9268	Eliot, 77
			13361	Hoffman, 73
			13376	Wehrenberg, 73
			13441	Loyd, 75
			13446	Suchannek, 75
			13584	Appell, 73
			13704	Fitzwilson, 71

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H^{+1}	+	N ₂	14357	King, 79	
			14927	Birely, 71	
			14968	Desesquelles, 75	
H^{+1}	+	NO	11036	Fehsenfeld, 72	
			13584	Appell, 73	
H^{+1}	+	O ₂	7565	Kleckner, 74	
			7931	Kleckner, 75	
			9122	Dawson, 77	
			13439	Birely, 75	
			13441	Loyd, 75	
			13584	Appell, 73	
			13704	Fitzwilson, 71	
H^{+1}	+	CO ₂	7565	Kleckner, 74	
			7931	Kleckner, 75	
			10392	Haugh, 74	
			11030	Birely, 72	
			11969	McNeal, 70	
			12059	Coplan, 70	
			14258	Loyd, 79	
H^{+1}	+	H ₂ O	12059	Coplan, 70	
			13536	Dagnac, 70	
H^{+1}	+	N ₂ O	9144	Bearman, 77	
			13613	Appell, 74	
			14258	Loyd, 79	
			15013	Sunner, 79	
H^{+1}	+	C ₂ H ₂	13613	Appell, 74	
			13613	Appell, 74	
H^{+1}	+	NH ₃	11030	Birely, 72	
			11969	McNeal, 70	
			12059	Coplan, 70	
H^{+1}	+	CH ₄	7808	Eliot, 75	
			9268	Eliot, 77	
			11030	Birely, 72	
			11969	McNeal, 70	
			13613	Appell, 74	
H^{+1}	+	C ₂ H ₄	13613	Appell, 74	
			13613	Appell, 74	
H^{+1}	+	CH ₃ OH	13613	Appell, 74	
			9268	Eliot, 77	
H^{+1}	+	C ₂ H ₆	13613	Appell, 74	
			9268	Eliot, 77	
H^{+1}	+	C ₃ H ₈	9268	Eliot, 77	
			13613	Appell, 74	
H^{+1}	+	C ₆ H ₆	13613	Appell, 74	
			9268	Eliot, 77	
H^{+1}	+	C ₄ H ₁₀	9268	Eliot, 77	
			7221	Bayfield, 75	
H^{+2}	+	H	He	+	
			Ar	7787	Roussel, 75
			B ⁺³	9878	Crandall, 77
			C ⁺⁴	9878	Crandall, 77
			H	7787	Roussel, 75
				9865	Roussel, 77
				10679	Roussel, 77
				10680	Pradel, 77

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He	+	H ⁻	10458	Harnois, 77	He ⁺¹	+	H ⁻	8823	Peart, 76
He	+	H ⁻	9865	Roussel, 77				13535	Gaily, 70
			10679	Roussel, 77	He ⁺¹	+	H ⁺¹	9779	Peart, 77
			10680	Pradel, 77	He ⁺¹	+	He	8325	Eisele, 76
He	+	He ⁺¹	10052	Helm, 77				10816	Helm, 77
			10221	Hegerberg, 78				10817	Rundel, 77
He	+	Li	13010	Bouliou, 78				11150	Conrads, 72
He	+	N ⁺¹	10051	Vujovic, 77				11801	Vestal, 78
He	+	N ⁺⁵	9878	Crandall, 77				12225	Hinds, 78
He	+	O ⁺⁶	9878	Crandall, 77				12595	Smith, 74
He	+	Tl	15279	Ivanov, 73				13175	Jaecks, 75
He	+	CO	10274	Piper, 75				13605	Brenot, 75
He	+	D ₂ ⁻	11242	Schnitzer, 78				13670	MacVicar-Whelan, 70
He	+	N ₂	10274	Piper, 75				13701	Shelton, 71
He ⁺¹	+	Ag	13625	Green, 74				13723	Rosenthal, 71
He ⁺¹	+	Ar	9153	Eisele, 77				13749	Eriksen, 72
			10780	Kikiani, 77				14614	Rundel, 79
			10972	Moran, 73				14916	Milner, 74
			12940	Maier II, 78				14954	Matsuoka, 74
			13180	Isler, 70				14980	Muller, 70
			13186	Lipeles, 70				15270	Nagy, 71
			13386	Johnsen, 73				15384	Latypov, 70
			13421	Isler, 74	He ⁺¹	+	Hg	15424	Latypov, 72
			13600	Gerber, 73				15430	Kikiani, 75
			13682	Smith, 70					
			13711	Lipeles, 71	He ⁺¹	+	I	6916	Bogdanova, 74
			14662	Okasaka, 79				11794	Kartazaev, 77
			14799	Kikiani, 78				13270	Aleinikov, 72
			14811	Jones, 79				13386	Johnsen, 73
			14980	Muller, 70				14257	Littlewood, 79
			15145	Smith, 71				14830	Kano, 75
He ⁺¹	+	Ba	11809	Zhukov, 77	He ⁺¹	+	Kr	13275	Tolmachev, 72
			14488	Hultzsch, 79				14828	Shay, 75
He ⁺¹	+	Ca	11809	Zhukov, 77				12093	Salop, 71
			14488	Hultzsch, 79	He ⁺¹	+	Kr	12228	McCullough, 78
He ⁺¹	+	Cd	8120	Auciello, 76				7372	Huber, 75
			11115	Ranjbar, 77				10780	Kikiani, 77
			13270	Aleinikov, 72				13737	Maier II, 72
			13583	Turner-Smith, 73				14980	Muller, 70
			14257	Littlewood, 79	He ⁺¹	+	Li	15145	Smith, 71
			14259	Kartazaev, 78					
			15282	Soskida, 74	He ⁺¹	+	Mg	8120	Auciello, 76
			15402	Soskida, 75				15060	Myers, 79
He ⁺¹	+	Cs	7722	Meyer, 75	He ⁺¹	+	Na	7222	Baragiola, 75
			12228	McCullough, 78				11809	Zhukov, 77
			13378	Bergman, 73	He ⁺¹	+	Ne	12193	Myers, 78
			15192	Montmagnon, 73					
			15196	Meyer, 74	He ⁺¹	+	Na	10677	Pommier, 77
He ⁺¹	+	Ga	13625	Green, 74				12228	McCullough, 78
He ⁺¹	+	Ge	13625	Green, 74	He ⁺¹	+	Ne	7763	Barat, 76
He ⁺¹	+	H	7766	Fayeton, 76				9153	Eisele, 77
			7956	Fayeton, 75				10780	Kikiani, 77
								12752	Johnsen, 78
								12940	Maier II, 78
								13188	Tolk, 70
								13386	Johnsen, 73
								13600	Gerber, 73
								14799	Kikiani, 78

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He ⁺¹	+	Ne	14980	Muller, 70
			15270	Nagy, 71
He ⁺¹	+	Ne ⁻	13971	Tang, 78
He ⁺¹	+	Pb	7222	Baragiola, 75
He ⁺¹	+	Rb	12093	Salop, 71
He ⁺¹	+	Se	13583	Turner-Smith, 73
He ⁺¹	+	Sr	11809	Zhukov, 77
He ⁺¹	+	Te	13270	Aleinikov, 72
He ⁺¹	+	Tl	13625	Green, 74
He ⁺¹	+	Xe	9091	Jones, 77
			10780	Kikiani, 77
			13233	Benoit, 74
			13737	Maier II, 72
			14799	Kikiani, 78
			14980	Muller, 70
			15145	Smith, 71
He ⁺¹	+	Zn	12193	Myers, 78
			13270	Aleinikov, 72
			13583	Turner-Smith, 73
			13595	Green, 73
			14257	Littlewood, 79
			15402	Soskida, 75
He ⁺¹	+	CO	10274	Piper, 75
			10284	Coplan, 74
			10306	Laudenslager, 74
			10972	Moran, 73
			13997	Rakshit, 78
			14906	Derrick, 71
			15145	Smith, 71
			15334	Gusev, 71
			15386	Polyakova, 70
He ⁺¹	+	Cs ₂	9632	Tsuji, 77
He ⁺¹	+	D ₂	10285	Johnsen, 74
He ⁺¹	+	HBr	10482	Haugh, 73
			11048	Haugh, 72
He ⁺¹	+	HCl	10482	Haugh, 73
He ⁺¹	+	H ₂	7789	Shah, 75
			7946	Bray, 75
			9579	Bray, 77
			10285	Johnsen, 74
			10794	Afrosimov, 77
			10972	Moran, 73
			11760	Eriksen, 78
			13248	Polyakova, 70
			13758	Isler, 72
He ⁺¹	+	N ₂	6924	Leventhal, 75
			6930	Govers, 75
			7642	Kemper, 75
			7698	Marx, 75
			9419	Govers, 77
			10274	Piper, 75
			10306	Laudenslager, 74
			10824	Giese, 77

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He ⁺¹	+	N ₂	10875	Kemper, 73
			10972	Moran, 73
			11006	Moran, 72
			11330	Holland, 71
			12586	Govers, 74
			13200	Fernandez, 71
			13519	Bolden, 70
			14710	Gochitashvili, 79
			15145	Smith, 71
He ⁺¹	+	NO	10306	Laudenslager, 74
			10972	Moran, 73
			15145	Smith, 71
He ⁺¹	+	O ₂	10306	Laudenslager, 74
			10972	Moran, 73
			12610	Harris, 74
			13997	Rakshit, 78
			15145	Smith, 71
He ⁺¹	+	CO ₂	6984	Bregman-Reisler,
			9384	Sim, 76
			10306	Laudenslager, 74
			10392	Haugh, 74
			10972	Moran, 73
			10986	Coplan, 73
			11049	Coplan, 72
			12593	Bregman-Reisler
			15145	Smith, 71
He ⁺¹	+	D ₂ O	9419	Govers, 77
He ⁺¹	+	H ₂ O	9419	Govers, 77
			10818	Marx, 77
			11503	Mauclaire, 78
He ⁺¹	+	N ₂ O	9144	Bearman, 77
			10306	Laudenslager, 74
			13997	Rakshit, 78
			15013	Sunner, 79
He ⁺¹	+	C ₂ H ₂	15145	Smith, 71
He ⁺¹	+	NH ₃	9096	Parker, 77
He ⁺¹	+	CD ₄	12527	Bowers, 72
He ⁺¹	+	CF ₄	11340	Smith, 71
			15145	Smith, 71
He ⁺¹	+	CH ₄	6928	Milner, 75
			10306	Laudenslager, 7
			10972	Moran, 73
			11503	Mauclaire, 78
			12527	Bowers, 72
			12528	Gaugehofer, 72
			15145	Smith, 71
He ⁺¹	+	SiH ₄	12527	Bowers, 72
He ⁺¹	+	C ₂ H ₂ Cl ₂	10960	Su, 73
He ⁺¹	+	C ₂ H ₂ Fl ₂	11053	Bowers, 72
He ⁺¹	+	C ₂ H ₄	10972	Moran, 73
			14902	Smith, 70
			15145	Smith, 71
He ⁺¹	+	C ₂ F ₆	11340	Smith, 71

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He ⁺¹	+	C ₂ F ₆	15145	Smith, 71
He ⁺¹	+	C ₂ H ₆	10972	Moran, 73
			12527	Bowers, 72
			15145	Smith, 71
He ⁺¹	+	C ₃ H ₆	15145	Smith, 71
He ⁺¹	+	C ₃ H ₈	12527	Bowers, 72
			15145	Smith, 71
He ⁺¹	+	C ₆ H ₄ F ₂	10960	Su, 73
He ⁺¹	+	C ₄ H ₁₀	15145	Smith, 71
He ⁺²	+	Ar	7017	Schrey, 75
			7066	Khayrallah, 75
			7610	Ast, 75
			7623	Austin, 75
			8454	Shah, 76
			13159	Siegel, 72
			14686	Afrosimov, 79
He ⁺²	+	H	8454	Shah, 76
			10793	Shah, 77
			11796	Nutt, 78
			13614	Shah, 74
He ⁺²	+	He	7017	Schrey, 75
			7066	Khayrallah, 75
			7176	Chen, 75
			7610	Ast, 75
			7628	Afrosimov, 75
			7816	Afrosimov, 75
			8454	Shah, 76
			12752	Johnsen, 78
			13159	Siegel, 72
			13979	Afrosimov, 78
			14719	Johnsen, 79
			14778	Johnsen, 79
He ⁺²	+	He ⁺¹	13347	Jognaux, 78
			15211	Peart, 79
He ⁺²	+	K	8454	Shah, 76
He ⁺²	+	Kr	7610	Ast, 75
			7623	Austin, 75
			8454	Shah, 76
			14686	Afrosimov, 79
He ⁺²	+	Mg	12193	Myers, 78
He ⁺²	+	Ne	7610	Ast, 75
			7623	Austin, 75
			11601	Maier II, 78
			13159	Siegel, 72
			14686	Afrosimov, 79
			14719	Johnsen, 79
			14778	Johnsen, 79
He ⁺²	+	Xe	7610	Ast, 75
			14686	Afrosimov, 79
He ⁺²	+	Zn	12193	Myers, 78
He ⁺²	+	CO	13232	Graham, 74
He ⁺²	+	H ₂	7066	Khayrallah, 75

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He ⁺²	+	H ₂	8454	Shah, 76
			11796	Nutt, 78
			13232	Graham, 74
He ⁺²	+	N ₂	7066	Khayrallah, 75
He ⁺²	+	O ₂	8454	Shah, 76
Hg ⁺¹	+	Cs	8454	Shah, 76
Hg ⁺¹	+	N ₂ O	13712	Perel, 71
Hg ⁺¹	+	C ₂ H ₆ CO	15013	Sunner, 79
Hg ⁺¹	+	C ₃ H ₈ O	11142	Lifshitz, 72
Hg ⁺¹	+	C ₃ H ₇ OH	11142	Lifshitz, 72
I ⁻	+	O ₂	10044	Vogt, 77
I ⁻	+	SO ₂	9520	Refaey, 76
In	+	Br	14039	Burdett, 79
In	+	Cl	14039	Burdett, 79
In	+	I	14039	Burdett, 79
K	+	Br	14039	Burdett, 79
K	+	Cl	14039	Burdett, 79
K	+	Li ⁺¹	10228	Wijnandts, 77
K	+	Mg ⁺¹	10216	Zavilopulo, 77
K	+	Na ⁺¹	10228	Wijnandts, 77
K	+	O	13420	Vora, 74
K	+	Br ₂	9523	Hubers, 76
			10388	Kashihira, 74
			14997	Baede, 73
			15107	Delvigne, 72
K	+	Cl ₂	9523	Hubers, 76
			10388	Kashihira, 74
K	+	ICl	9523	Hubers, 76
K	+	I ₂	9523	Hubers, 76
			9619	Aten, 77
			14989	Moutinho, 71
			14997	Baede, 73
			15107	Delvigne, 72
K	+	O ₂	10388	Kashihira, 74
			13052	Kleyn, 78
			14984	Moutinho, 71
K	+	NO ₂	14753	Okada, 79
K	+	CCl ₄	12970	Dispert, 78
K	+	CCl ₃ F	7934	Laemann, 75
			12970	Dispert, 78
K	+	CCl ₂ F ₂	12970	Dispert, 78
K	+	CH ₃ I	14871	Moutinho, 74
K	+	SF ₆	11293	Compton, 78
K	+	UF ₆	9296	Compton, 77
K ⁺¹	+	Ar	8138	Afrosimov, 76
			9092	Odom, 77

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K^{+1}	+	K	8261	Riggin, 75
			9100	Wijnendaerts, 77
K^{+1}	+	Na	10283	Aquilanti, 74
K^{+1}	+	N ₂	12099	Kassal, 71
			14968	Desesquelles, 75
Kr	+	Ar ⁺²	9909	Suk, 77
Kr	+	H	9865	Roussel, 77
			10679	Roussel, 77
			10680	Pradel, 77
Kr	+	H [*]	9865	Roussel, 77
			10679	Roussel, 77
			10680	Pradel, 77
Kr	+	Li	13010	Bouliou, 78
Kr	+	N ⁺¹	10051	Vujovic, 77
Kr [*]	+	CH ₃ NO ₂	10427	Stockdale, 74
Kr [*]	+	SF ₆	9794	Matsuzawa, 77
Kr ⁺¹	+	Ar	12940	Maier II, 78
			15145	Smith, 71
Kr ⁺¹	+	Cs	6923	Meyer, 75
Kr ⁺¹	+	Hg	13386	Johnsen, 73
Kr ⁺¹	+	Kr	10295	Kaiser, 74
			14689	Okuno, 79
			14904	Jones, 70
			14911	Rosenberg, 73
			14940	Hishinuma, 71
			14941	Kimura, 71
			14942	Hishinuma, 72
			14949	Kobayashi, 73
			15145	Smith, 71
			15430	Kikiani, 75
Kr ⁺¹	+	Xe	10780	Kikiani, 77
			12940	Maier II, 78
			15145	Smith, 71
Kr ⁺¹	+	CO	9145	Latimer, 77
			10306	Laudenslager, 74
			14266	Rothwell Jr., 79
			14906	Derrick, 71
			14949	Kobayashi, 73
			15145	Smith, 71
Kr ⁺¹	+	HBr	11061	Tomcho, 72
			13689	Haugh, 70
Kr ⁺¹	+	H ₂	9145	Latimer, 77
			12624	Smith, 75
Kr ⁺¹	+	N ₂	9145	Latimer, 77
			11006	Moran, 72
			15145	Smith, 71
Kr ⁺¹	+	NO	8844	Collin, 76
			9596	Kobayashi, 77
			10306	Laudenslager, 74
			14951	Kobayashi, 74
			15145	Smith, 71
Kr ⁺¹	+	O ₂	9145	Latimer, 77

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Kr ⁺¹	+	O ₂	9596	Kobayashi, 77
			10306	Laudenslager, 74
			14909	Adams, 72
			14951	Kobayashi, 74
			15145	Smith, 71
Kr ⁺¹	+	CO ₂	7169	Harland, 75
			9384	Sim, 76
			10306	Laudenslager, 74
			15145	Smith, 71
Kr ⁺¹	+	H ₂ S	14232	Jowko, 79
Kr ⁺¹	+	N ₂ O	7169	Harland, 75
			10306	Laudenslager, 74
			15013	Sunner, 79
Kr ⁺¹	+	C ₂ H ₂	8845	Lehrle, 76
			11142	Lifshitz, 72
			14905	Jones, 71
			15145	Smith, 71
Kr ⁺¹	+	NH ₃	14232	Jowko, 79
Kr ⁺¹	+	CD ₄	12527	Bowers, 72
Kr ⁺¹	+	CF ₄	11340	Smith, 71
Kr ⁺¹	+	CH ₄	10306	Laudenslager, 74
			12527	Bowers, 72
			12528	Gaugehofer, 72
			12613	Ausloos, 75
			13150	Li, 78
			14905	Jones, 71
			15145	Smith, 71
Kr ⁺¹	+	SiH ₄	12527	Bowers, 72
			12613	Ausloos, 75
Kr ⁺¹	+	C ₂ H ₂ Cl ₂	10960	Su, 73
Kr ⁺¹	+	C ₂ H ₂ Fl ₂	11053	Bowers, 72
Kr ⁺¹	+	C ₂ H ₄	14902	Smith, 70
			14905	Jones, 71
			15145	Smith, 71
Kr ⁺¹	+	CD ₃ OH	11142	Lifshitz, 72
Kr ⁺¹	+	CH ₃ OH	11142	Lifshitz, 72
Kr ⁺¹	+	C ₂ F ₆	11340	Smith, 71
			15145	Smith, 71
Kr ⁺¹	+	C ₂ H ₆	12527	Bowers, 72
			14905	Jones, 71
			15145	Smith, 71
Kr ⁺¹	+	C ₃ H ₆	15145	Smith, 71
Kr ⁺¹	+	C ₃ H ₈	12527	Bowers, 72
			14917	Lehrle, 74
			15145	Smith, 71
Kr ⁺¹	+	C ₆ H ₄ F ₂	10960	Su, 73
Kr ⁺¹	+	C ₄ H ₁₀	15145	Smith, 71
Kr ⁺²	+	Ar	7610	Ast, 75
			14769	Viggiano, 79
			14778	Johnsen, 79
Kr ⁺²	+	H	14688	Nutt, 79

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Kr^{+2}	+	H	15217	McCullough, 79	Li^{+1}	+	He	15222	Andersen, 73
Kr^{+2}	+	He	7610	Ast, 75				15393	Latypov, 71
			14778	Johnsen, 79				15400	Latypov, 73
Kr^{+2}	+	Kr	7610	Ast, 75	Li^{+1}	+	K	15423	Latypov, 72
			11790	Okuno, 78				10283	Aquilanti, 74
			12752	Johnsen, 78				13712	Perel, 71
			14689	Okuno, 79	Li^{+1}	+	Kr	13602	Barat, 73
			14769	Viggiano, 79	Li^{+1}	+	Li	9100	Wijaendts, 77
			14778	Johnsen, 79				14660	Shimakura, 79
Kr^{+2}	+	Ne	7610	Ast, 75				14736	Kita, 79
			10422	Maier II, 74	Li^{+1}	+	Na	7170	Von Busch, 75
			14718	Koizumi, 79				10283	Aquilanti, 74
			14769	Viggiano, 79				11424	Wijaendts, 78
Kr^{+2}	+	Xe	7610	Ast, 75	Li^{+1}	+	Ne	13602	Barat, 73
			14769	Viggiano, 79				15400	Latypov, 73
			14778	Johnsen, 79	Li^{+1}	+	Rb	13712	Perel, 71
Kr^{+2}	+	H_2	14687	Huber, 79	Li^{+1}	+	Xe	13602	Barat, 73
			14688	Nutt, 79	Li^{+1}	+	H_2	8487	Odom, 76
			15217	McCullough, 79	Li^{+1}	+	N_2	14968	Desesquelles, 75
Kr^{+2}	+	N_2O	15013	Sunner, 79	Mg^{+1}	+	Ar	8263	Fayeton, 76
Kr^{+3}	+	Kr	14689	Okuno, 79				15428	Ovchinnikov, 74
Kr^{+3}	+	H_2	14687	Huber, 79	Mg^{+1}	+	Cd	13268	Zavilopulo, 72
Kr^{+4}	+	H_2	14687	Huber, 79				15339	Shpenik, 72
Kr^{+5}	+	H_2	14687	Huber, 79	Mg^{+1}	+	Cs	12187	Panев, 76
Kr^{+6}	+	H_2	14687	Huber, 79				15399	Zavilopulo, 73
Kr^{+7}	+	H_2	14687	Huber, 79	Mg^{+1}	+	H^{+1}	9778	Peart, 77
Li	+	Br	14039	Burdett, 79	Mg^{+1}	+	He	15428	Ovchinnikov, 74
Li	+	Cl	14039	Burdett, 79	Mg^{+1}	+	K	12187	Panев, 76
Li	+	I	14039	Burdett, 79	Mg^{+1}	+	Kr	13530	Cobic, 70
Li	+	Br_2	9883	Kimura, 77				15428	Ovchinnikov, 74
			10389	Young, 74	Mg^{+1}	+	Mg	7613	Panев, 75
			10829	Kimura, 77				11362	Rutherford, 71
			14997	Baede, 73				12936	Pedersen, 78
			15107	Delvigne, 72	Mg^{+1}	+	Mg	15275	Palyukh, 70
Li	+	Cl_2	9883	Kimura, 77	Mg^{+1}	+	Na	12187	Panев, 76
			10389	Young, 74	Mg^{+1}	+	Ne	7947	Fayeton, 75
Li	+	HBr	10389	Young, 74				8263	Fayeton, 76
Li	+	HCl	10389	Young, 74				13434	Andersen, 74
Li	+	I_2	14989	Moutinho, 71	Mg^{+1}	+	Rb	13530	Cobic, 70
			14997	Baede, 73				15428	Ovchinnikov, 74
Li	+	O_2	10389	Young, 74	Mg^{+1}	+	Xe	15428	Ovchinnikov, 74
			14984	Moutinho, 71	Mg^{+1}	+	N_2	13530	Cobic, 70
Li	+	CH_3I	14871	Moutinho, 74	Mg^{+1}	+	H	14688	Nutt, 79
Li	+	SF_6	10389	Young, 74	Mg^{+2}	+		15217	McCullough, 79
Li^{+1}	+	Ar	13602	Barat, 73	Mg^{+2}	+	Mg	12936	Pedersen, 78
Li^{+1}	+	Cs	13712	Perel, 71	Mg^{+2}	+	Xe	11035	Spears, 72
Li^{+1}	+	He	13568	Lorentz, 72	Mg^{+2}	+	CO	11035	Spears, 72
			13569	Francois, 72	Mg^{+2}	+	H_2	14688	Nutt, 79
			14661	Tsurubuchi, 79					

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Mg ⁺²	+	H ₂	15217	McCullough,	79
Mg ⁺²	+	NO	11035	Spears,	72
Mg ⁺²	+	O ₂	11035	Spears,	72
Mg ⁺²	+	CO ₂	11035	Spears,	72
Mg ⁺²	+	N ₂ O	11035	Spears,	72
Mg ⁺²	+	NO ₂	11035	Spears,	72
Mg ⁺²	+	SO ₂	11035	Spears,	72
Mg ⁺²	+	NH ₃	11035	Spears,	72
N ⁺¹	+	Ar	14082	Moran,	79
N ⁺¹	+	Ca	11154	Rutherford,	72
N ⁺¹	+	Fe	11155	Rutherford,	72
N ⁺¹	+	H	9609	Phaneuf,	77
			13952	Nutt,	79
N ⁺¹	+	Kr	8429	Rutherford,	75
			9633	Lehmann,	76
N ⁺¹	+	Mg	11362	Rutherford,	71
N ⁺¹	+	Na	11052	Rutherford,	72
N ⁺¹	+	Ne	13434	Andersen,	74
			14677	Thielmann,	79
N ⁺¹	+	O	10291	Rutherford,	74
N ⁺¹	+	O ⁻	13669	Aberth,	70
			13709	Peterson,	71
N ⁺¹	+	Th	11891	Rutherford,	78
N ⁺¹	+	U	11891	Rutherford,	78
N ⁺¹	+	CO	8429	Rutherford,	75
			11612	Frobin,	77
			12875	Smith,	78
			13560	Kosmider,	75
			14082	Moran,	79
N ⁺¹	+	H ₂	12753	Lockwood,	78
			13952	Nutt,	79
			14082	Moran,	79
N ⁺¹	+	N ₂	7192	Fernandez,	75
			11341	Maier II,	71
			11427	Ottinger,	78
			12457	Murad,	70
			12753	Lockwood,	78
			13560	Kosmider,	75
			14082	Moran,	79
N ⁺¹	+	NO	13560	Kosmider,	75
			14082	Moran,	79
N ⁺¹	+	O ₂	10893	McFarland,	73
			12066	Johnsen,	70
			12875	Smith,	78
			13560	Kosmider,	75
			13561	Birkinshaw,	71
			13997	Rakshit,	78
			14082	Moran,	79
N ⁺¹	+	CO ₂	12875	Smith,	78
			14082	Moran,	79

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N ⁺¹	+	H ₂ O	10316	Howorka,	74
			12875	Smith,	78
N ⁺¹	+	H ₂ S	12875	Smith,	78
			15013	Sunner,	79
N ⁺¹	+	N ₂ O	12875	Smith,	78
			12875	Smith,	78
N ⁺¹	+	OCS	12875	Smith,	78
			12875	Smith,	78
N ⁺¹	+	H ₂ CO	12875	Smith,	78
			12875	Smith,	78
N ⁺¹	+	NH ₃	12875	Smith,	78
			12875	Smith,	78
N ⁺¹	+	CH ₄	12875	Smith,	78
			12875	Smith,	78
N ⁺¹	+	CH ₃ OH	12875	Smith,	78
			12875	Smith,	78
N ⁺¹	+	CH ₃ NH ₂	12875	Smith,	78
			13551	Hasted,	71
N ⁺²	+	Ar	13551	Hasted,	71
			11601	Maier II,	78
			13551	Hasted,	71
			14251	Sato,	79
N ⁺²	+	Ne	13551	Hasted,	71
			14251	Sato,	79
N ⁺³	+	H	9609	Phaneuf,	77
			7818	Crandall,	75
			9123	Crandall,	77
N ⁺³	+	H ₂	9123	Crandall,	77
N ⁺⁴	+	H	9609	Phaneuf,	77
			9123	Crandall,	77
N ⁺⁴	+	H ₂	9123	Crandall,	77
N ⁺⁵	+	H	9609	Phaneuf,	77
			9123	Crandall,	77
N ⁺⁵	+	H ₂	9123	Crandall,	77
Na	+	Br	14039	Burdett,	79
Na	+	Cl	14039	Burdett,	79
Na	+	H ⁻	14695	Esaulov,	79
Na	+	I	14039	Burdett,	79
			14999	Delvigne,	73
Na	+	Mg ⁺¹	10216	Zavilopulo,	77
Na	+	O	13420	Vora,	74
Na	+	Br ₂	9523	Hubers,	76
			14997	Baede,	73
Na	+	Cl ₂	9523	Hubers,	76
Na	+	ICl	9523	Hubers,	76
Na	+	I ₂	9523	Hubers,	76
			9619	Aten,	77
			14989	Moutinho,	71
			14997	Baede,	73
Na	+	O ₂	13052	Kleyn,	78
			14984	Moutinho,	71
Na	+	CH ₃ I	14871	Moutinho,	74
Na	+	IrF ₆	11293	Compton,	78
Na	+	MoF ₆	11293	Compton,	78
Na	+	PtF ₆	11293	Compton,	78
Na	+	ReF ₆	11293	Compton,	78
Na	+	SeF ₆	11293	Compton,	78

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Na +	UF ₆	9296	Compton, 77	Ne ⁺¹ +	Mg	15244	Latush, 73
Na +	WF ₆	11293	Compton, 78	Ne ⁺¹ +	Ne	14904	Jones, 70
Na ⁺¹ +	Hg	9410	Aquilanti, 77			15079	Lavigne, 72
Na ⁺¹ +	K	10283	Aquilanti, 74			15430	Kikiani, 75
		11248	Anton, 78	Ne ⁺¹ +	Sr	11809	Zhukov, 77
Na ⁺¹ +	Li	11424	Wijnnaendts, 78	Ne ⁺¹ +	Tl	15279	Ivanov, 73
Na ⁺¹ +	Na	9100	Wijnnaendts, 77	Ne ⁺¹ +	Xe	10780	Kikiani, 77
		10803	Moruzzi, 77			11798	Johnsen, 78
		11052	Rutherford, 72			13737	Maier II, 72
		11248	Anton, 78			15145	Smith, 71
		13160	Dewangan, 72	Ne ⁺¹ +	Zn	14352	Kartazaev, 78
Na ⁺¹ +	Ne	8854	Latypov, 76			14923	Collins, 71
		13167	Tolk, 73			15402	Soskida, 75
		13434	Andersen, 74	Ne ⁺¹ +	CO	10306	Laudenslager, 74
		14281	Olsen, 79			13981	Rakshit, 79
Na ⁺¹ +	O ⁻	13183	Weiner, 70			14906	Derrick, 71
		13726	Weiner, 71			15145	Smith, 71
Na ⁺¹ +	CO	8468	Odom, 76			15334	Gusev, 71
Na ⁺¹ +	N ₂	8468	Odom, 76	Ne ⁺¹ +	HBr	15386	Polyakova, 70
		14968	Desesquelles, 75			10482	Haugh, 73
Na ⁺¹ +	O ₂	8468	Odom, 76	Ne ⁺¹ +	HCl	10482	Haugh, 73
Ne +	Ar ⁺²	9909	Suk, 77	Ne ⁺¹ +	N ₂	10306	Laudenslager, 74
Ne +	H	9865	Roussel, 77			10980	Albritton, 73
		10679	Roussel, 77			11134	Saban, 72
		10680	Pradel, 77			11797	Chen, 77
Ne +	H [*]	9865	Roussel, 77			13981	Rakshit, 79
		10679	Roussel, 77			14968	Desesquelles, 75
		10680	Pradel, 77	Ne ⁺¹ +	NO	15145	Smith, 71
Ne +	Li	13010	Bouliou, 78			10306	Laudenslager, 74
Ne +	N ⁺¹	10051	Vujovic, 77			13981	Rakshit, 79
Ne ⁺¹ +	Ar	10780	Kikiani, 77	Ne ⁺¹ +	O ₂	15145	Smith, 71
		10820	Kaneko, 77			10306	Laudenslager, 74
		12752	Johnsen, 78			13981	Rakshit, 79
		12940	Maier II, 78			14909	Adams, 72
		14811	Jones, 79	Ne ⁺¹ +	CO ₂	15145	Smith, 71
		15145	Smith, 71			6984	Bregman-Reisler, 75
Ne ⁺¹ +	Ba	11809	Zhukov, 77			9384	Sim, 76
Ne ⁺¹ +	Ca	11809	Zhukov, 77			10306	Laudenslager, 74
Ne ⁺¹ +	Cd	15402	Soskida, 75			10392	Haugh, 74
Ne ⁺¹ +	Cs	13413	Meyer, 74	Ne ⁺¹ +	H ₂ O	13981	Rakshit, 79
Ne ⁺¹ +	He	12940	Maier II, 78			15145	Smith, 71
		13188	Tolk, 70			10818	Marx, 77
Ne ⁺¹ +	Hg	13386	Johnsen, 73	Ne ⁺¹ +	N ₂ O	11503	Maclaire, 78
Ne ⁺¹ +	Kr	7372	Huber, 75			13981	Rakshit, 79
		10780	Kikiani, 77			9144	Bearman, 77
		10820	Kaneko, 77			10306	Laudenslager, 74
		11798	Johnsen, 78			13962	Myers, 79
		13737	Maier II, 72			13981	Rakshit, 79
		15145	Smith, 71			15013	Sunner, 79
Ne ⁺¹ +	Mg	13583	Turner-Smith, 73	Ne ⁺¹ +	OCS	13981	Rakshit, 79
				Ne ⁺¹ +	SO ₂	13981	Rakshit, 79
				Ne ⁺¹ +	C ₂ D ₂	14905	Jones, 71

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Ne ⁺¹	+	C ₂ H ₂	8845	Lehrle, 76
			14905	Jones, 71
			15145	Smith, 71
Ne ⁺¹	+	NH ₃	13981	Rakshit, 79
Ne ⁺¹	+	CD ₄	12527	Bowers, 72
Ne ⁺¹	+	CF ₄	11340	Smith, 71
			15145	Smith, 71
Ne ⁺¹	+	CH ₃ Cl	13981	Rakshit, 79
Ne ⁺¹	+	CH ₄	10306	Laudenslager, 74
			12527	Bowers, 72
			12528	Gaugehofer, 72
			12613	Ausloos, 75
			13981	Rakshit, 79
			14905	Jones, 71
			15145	Smith, 71
Ne ⁺¹	+	SiH ₄	12527	Bowers, 72
Ne ⁺¹	+	C ₂ H ₂ Cl ₂	10960	Su, 73
Ne ⁺¹	+	C ₂ H ₂ Fl ₂	11053	Bowers, 72
Ne ⁺¹	+	C ₂ H ₄	13981	Rakshit, 79
			14902	Smith, 70
			15145	Smith, 71
Ne ⁺¹	+	C ₂ F ₆	11340	Smith, 71
			15145	Smith, 71
Ne ⁺¹	+	C ₂ H ₆	12527	Bowers, 72
			15145	Smith, 71
Ne ⁺¹	+	C ₃ H ₆	15145	Smith, 71
Ne ⁺¹	+	C ₃ H ₈	12527	Bowers, 72
			15145	Smith, 71
Ne ⁺¹	+	C ₆ H ₄ F ₂	10960	Su, 73
Ne ⁺¹	+	C ₄ H ₁₀	15145	Smith, 71
Ne ⁺²	+	Ar	7610	Ast, 75
			11601	Maier II, 78
			14719	Johnsen, 79
			14778	Johnsen, 79
Ne ⁺²	+	He	7610	Ast, 75
			11601	Maier II, 78
			12752	Johnsen, 78
			14719	Johnsen, 79
Ne ⁺²	+	Kr	7610	Ast, 75
			10422	Maier II, 74
Ne ⁺²	+	Ne	7610	Ast, 75
			11601	Maier II, 78
			12752	Johnsen, 78
Ne ⁺²	+	Xe	7610	Ast, 75
O	+	Ar ⁺¹	9823	Gaucherel, 77
O	+	Cs	14282	Nagata, 79
O	+	K	14282	Nagata, 79
O	+	Na	14282	Nagata, 79
O	+	O ⁻	10291	Rutherford, 74
O	+	O ₂ ⁻	10291	Rutherford, 74

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O	+	C ₂ H ₂ ⁻	10253	Lindinger, 75
O ⁺¹	+	Ar	10800	Matic, 77
			11355	Hughes, 71
			12204	Moran, 78
			14678	Matic, 79
O ⁺¹	+	Ca	11154	Rutherford, 72
O ⁺¹	+	Cs	14282	Nagata, 79
O ⁺¹	+	Fe	11155	Rutherford, 72
O ⁺¹	+	H	10949	Phaneuf, 77
O ⁺¹	+	K	14282	Nagata, 79
O ⁺¹	+	Kr	9633	Lehmann, 76
			11355	Hughes, 71
			13207	Vujovic, 71
			14678	Matic, 79
O ⁺¹	+	N	15207	Torr, 79
O ⁺¹	+	Na	11052	Rutherford, 72
			14282	Nagata, 79
O ⁺¹	+	Ne	13434	Andersen, 74
O ⁺¹	+	O	9141	Carlson, 77
			10291	Rutherford, 74
O ⁺¹	+	O ⁻	13709	Peterson, 71
O ⁺¹	+	Th	11891	Rutherford, 78
O ⁺¹	+	U	11891	Rutherford, 78
O ⁺¹	+	Xe	14678	Matic, 79
O ⁺¹	+	CO	10983	Murad, 73
			11355	Hughes, 71
			12204	Moran, 78
			12529	Murad, 72
			13512	Glosik, 78
			13560	Kosmider, 75
			14906	Derrick, 71
O ⁺¹	+	H ₂	10949	Phaneuf, 77
			12204	Moran, 78
			12753	Lockwood, 78
			13952	Nutt, 79
O ⁺¹	+	N ₂	10800	Matic, 77
			10893	McFarland, 73
			11086	Torr, 77
			11355	Hughes, 71
			11400	Rutherford, 71
			11427	Ottinger, 78
			12204	Moran, 78
			12753	Lockwood, 78
			13019	Torr, 78
			13512	Glosik, 78
			14952	Kaneko, 74
O ⁺¹	+	NO	12204	Moran, 78
			13512	Glosik, 78
			13560	Kosmider, 75
			14932	Graham IV,
O ⁺¹	+	O ₂	10575	Johnsen, 73

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O^{+1}	+	O_2	10893	McFarland,	73	S	+	K	14282	Nagata,	79
			12204	Moran,	78	S	+	Na	14282	Nagata,	79
			12264	Chen,	78	S^{+1}	+	Cs	14282	Nagata,	79
			12875	Smith,	78	S^{+1}	+	K	14282	Nagata,	79
			13512	Glosik,	78	S^{+1}	+	Kr	9633	Lehmann,	76
			13560	Kosmider,	75	S^{+1}	+	Na	14282	Nagata,	79
			13681	Varney,	70	S^{+1}	+	NO	14783	Dotan,	79
			13997	Rakshit,	78						
			14243	Mauclaire,	79						
O^{+1}	+	CO_2	7852	Vroom,	75	S^{+1}	+	H_2S	8868	Liddy,	75
			11355	Hughes,	71	S^{+1}	+	NH_3	8868	Liddy,	75
			11929	Mosesman,	70	Sc	+	SF_6	5884	Compton,	73
			12066	Johnsen,	70	Sc	+	TeF_6	5884	Compton,	73
			12074	Schildcrout,	70	Sr^{+1}	+	Ar	7750	Zapesochnyi,	75
			12204	Moran,	78				12235	Ovchinnikov,	77
O^{+1}	+	H_2O	12875	Smith,	78	Sr^{+1}	+	Kr	7750	Zapesochnyi,	75
O^{+1}	+	H_2S	8868	Liddy,	75				12235	Ovchinnikov,	77
			12875	Smith,	78						
O^{+1}	+	N_2O	11131	Ryan,	72	Sr^{+1}	+	Sr	7613	Panев,	75
			15013	Sunner,	79				15452	Gaev,	74
O^{+1}	+	OCS	12875	Smith,	78	Sr^{+1}	+	Xe	7750	Zapesochnyi,	75
O^{+1}	+	H_2CO	12875	Smith,	78	Ti	+	O_2	12545	Cohen,	73
O^{+1}	+	NH_3	12875	Smith,	78	Ti^{+2}	+	H	11403	Nutt,	78
O^{+1}	+	CH_4	12875	Smith,	78	Ti^{+2}	+	H_2	14688	Nutt,	79
O^{+1}	+	CH_3OH	12875	Smith,	78	Tl	+	Br	11403	Nutt,	78
O^{+1}	+	CH_3NH_2	12875	Smith,	78	Tl	+	Cl	14688	Nutt,	79
O^{+2}	+	H	10949	Phaneuf,	77	Tl	+	I	14039	Burdett,	79
O^{+2}	+	He	8209	Makhdis,	76	Tl^{+2}	+	H	14039	Burdett,	79
			11601	Maier II,	78	Tl^{+2}	+	H_2	15217	McCullough,	79
O^{+2}	+	H_2	10949	Phaneuf,	77	Tl^{+2}	+	H	15217	McCullough,	79
O^{+2}	+	N_2	12963	Johnsen,	78	U	+	O_2	7657	Young,	76
O^{+2}	+	O_2	12963	Johnsen,	78	Xe	+	D	8466	Morgan,	76
O^{+3}	+	H	10949	Phaneuf,	77	Xe	+	D^-	8466	Morgan,	76
O^{+3}	+	H_2	9123	Crandall,	77	Xe	+	H	8466	Morgan,	76
			10949	Phaneuf,	77				9865	Roussel,	77
O^{+4}	+	H	10949	Phaneuf,	77				10679	Roussel,	77
O^{+4}	+	H_2	9123	Crandall,	77				10680	Pradel,	77
			10949	Phaneuf,	77	Xe	+	H^-	8466	Morgan,	76
O^{+5}	+	H	10949	Phaneuf,	77				10458	Harnois,	77
O^{+5}	+	H_2	9123	Crandall,	77	Xe	+	H^*	9865	Roussel,	77
			10949	Phaneuf,	77				10679	Roussel,	77
O^{+6}	+	H_2	9123	Crandall,	77				10680	Pradel,	77
Rb	+	Br	14039	Burdett,	79	Xe	+	Li	13010	Bouliou,	78
Rb	+	Cl	14039	Burdett,	79	Xe	+	N^{+1}	10051	Vujovic,	77
Rb	+	D^{+1}	10213	Girnus,	77	Xe^{+1}	+	SF_6	9765	Foltz,	77
Rb	+	I	14039	Burdett,	79	Xe^{+1}	+	Ar	15145	Smith,	71
Rb	+	Mg^{+1}	10216	Zavilopulo,	77	Xe^{+1}	+	Ca	11915	Butterfield,	78
Rb	+	O	13420	Vora,	74	Xe^{+1}	+	Cs	6923	Meyer,	75
S	+	Cs	14282	Nagata,	79	Xe^{+1}	+	Hg	13386	Johnsen,	73

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Xe ⁺¹	+	Kr	15145	Smith, 71
Xe ⁺¹	+	Sr	11915	Butterfield, 78
Xe ⁺¹	+	Xe	8860	Squires, 76
			14689	Okuno, 79
			14940	Hishinuma, 71
			14941	Kimura, 71
			14942	Hishinuma, 72
			14944	Hishinuma, 72
			15145	Smith, 71
			15430	Kikiani, 75
Xe ⁺¹	+	CO	9145	Latimer, 77
			15145	Smith, 71
Xe ⁺¹	+	H ₂	9145	Latimer, 77
Xe ⁺¹	+	N ₂	9145	Latimer, 77
			11006	Moran, 72
			12099	Kassal, 71
			15145	Smith, 71
Xe ⁺¹	+	NO	10306	Laudenslager, 74
			15145	Smith, 71
Xe ⁺¹	+	O ₂	8856	Ajello, 76
			9145	Latimer, 77
			10306	Laudenslager, 74
			14909	Adams, 72
			14944	Hishinuma, 72
			15145	Smith, 71
Xe ⁺¹	+	CO ₂	15145	Smith, 71
Xe ⁺¹	+	H ₂ S	14232	Jowko, 79
Xe ⁺¹	+	N ₂ O	10306	Laudenslager, 74
			15013	Sunner, 79
Xe ⁺¹	+	C ₂ H ₂	8845	Lehrle, 76
			11142	Lifshitz, 72
			15145	Smith, 71
Xe ⁺¹	+	NH ₃	14232	Jowko, 79
Xe ⁺¹	+	CD ₄	12527	Bowers, 72
Xe ⁺¹	+	CH ₄	10306	Laudenslager, 74
			12527	Bowers, 72
			15145	Smith, 71
Xe ⁺¹	+	SiH ₄	12527	Bowers, 72
			12613	Ausloos, 75
Xe ⁺¹	+	C ₂ H ₂ Cl ₂	10960	Su, 73
Xe ⁺¹	+	C ₂ H ₂ Fl ₂	11053	Bowers, 72
Xe ⁺¹	+	C ₂ H ₄	14902	Smith, 70
			15145	Smith, 71
Xe ⁺¹	+	CH ₃ OH	11142	Lifshitz, 72
Xe ⁺¹	+	C ₂ F ₆	11340	Smith, 71
			15145	Smith, 71
Xe ⁺¹	+	C ₂ H ₆	10295	Kaiser, 74
			12527	Bowers, 72
			15145	Smith, 71
Xe ⁺¹	+	C ₃ H ₆	15145	Smith, 71
Xe ⁺¹	+	C ₂ H ₆ CO	11142	Lifshitz, 72

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Xe ⁺¹	+	C ₃ H ₈	12527	Bowers, 72
			14917	Lehrle, 74
			15145	Smith, 71
Xe ⁺¹	+	C ₆ H ₄ F ₂	10960	Su, 73
Xe ⁺¹	+	C ₄ H ₁₀	15145	Smith, 71
Xe ⁺²	+	Ar	7610	Ast, 75
			13954	Adams, 79
			14769	Viggiano, 79
			14778	Johnsen, 79
Xe ⁺²	+	Kr	7610	Ast, 75
			14769	Viggiano, 79
			14778	Johnsen, 79
Xe ⁺²	+	Ne	14769	Viggiano, 79
			14778	Johnsen, 79
Xe ⁺²	+	Xe	7610	Ast, 75
			11790	Okuno, 78
			12752	Johnsen, 78
			13954	Adams, 79
			14689	Okuno, 79
			14769	Viggiano, 79
			14778	Johnsen, 79
Xe ⁺²	+	CO	14906	Derrick, 71
Xe ⁺²	+	H ₂	13954	Adams, 79
Xe ⁺²	+	N ₂	13954	Adams, 79
Xe ⁺²	+	O ₂	13954	Adams, 79
Xe ⁺²	+	CO ₂	13954	Adams, 79
Xe ⁺²	+	N ₂ O	15013	Sunner, 79
Zn ⁺¹	+	Cd	13253	Shpenik, 70
			15331	Shpenik, 71
Zn ⁺¹	+	Na	13253	Shpenik, 70
Zn ⁺¹	+	Zn	13253	Shpenik, 70
Zn ⁺²	+	H	14688	Nutt, 79
			15217	McCullough, 79
Zn ⁺²	+	H ₂	14688	Nutt, 79
			15217	McCullough, 79
Ar ₂ ⁺¹	+	Xe	7233	Maier II, 75
Br ₂	+	Br ⁻	5794	Hughes, 73
			11347	Chupka, 71
Br ₂	+	I ⁻	5794	Hughes, 73
			11347	Chupka, 71
Br ₂	+	K	13482	Kimura, 78
Br ₂	+	Cl ₂ ⁻	5794	Hughes, 73
CN ⁺¹	+	C ₆ H ₆	14787	Tedder, 79
CO	+	Ar	10099	Anicich, 77
CO	+	He ⁺¹	9874	Chen, 77
CO	+	I ⁻	8150	Refaey, 76
CO ⁺¹	+	Ar	15145	Smith, 71
CO ⁺¹	+	D	14792	Karpas, 79
CO ⁺¹	+	Kr	14949	Kobayashi, 73

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CO ⁺¹	+	Kr	15145	Smith, 71
CO ⁺¹	+	O	11036	Fehsenfeld, 72
CO ⁺¹	+	Xe	15145	Smith, 71
CO ⁺¹	+	CO	6972	Chiu, 75
			10295	Kaiser, 74
			10880	Flannery, 73
			11606	Utterback, 78
			14911	Rosenberg, 73
			14955	Kobayashi, 75
			15145	Smith, 71
CO ⁺¹	+	H ₂	15145	Smith, 71
CO ⁺¹	+	NO	11036	Fehsenfeld, 72
			14953	Kobayashi, 74
			15145	Smith, 71
CO ⁺¹	+	O ₂	12074	Schildcrout, 70
			14953	Kobayashi, 74
			15145	Smith, 71
CO ⁺¹	+	CO ₂	10295	Kaiser, 74
			12074	Schildcrout, 70
			15145	Smith, 71
CO ⁺¹	+	H ₂ O	12986	Karpas, 78
CO ⁺¹	+	H ₂ S	8868	Liddy, 75
			14232	Jowko, 79
CO ⁺¹	+	N ₂ O	15013	Sunner, 79
CO ⁺¹	+	SO ₂	8868	Liddy, 75
CO ⁺¹	+	C ₂ H ₂	15145	Smith, 71
CO ⁺¹	+	NH ₃	14232	Jowko, 79
CO ⁺¹	+	CF ₄	15145	Smith, 71
CO ⁺¹	+	CH ₄	11606	Utterback, 78
			12528	Gaugehofer, 72
			15145	Smith, 71
CO ⁺¹	+	SiH ₄	12527	Bowers, 72
			12613	Ausloos, 75
CO ⁺¹	+	C ₂ F ₆	11340	Smith, 71
			15145	Smith, 71
CO ⁺¹	+	C ₃ H ₈	14917	Lehrle, 74
CO ⁺¹	+	C ₆ H ₆	14787	Tedder, 79
CS	+	Br ₂	10260	Tang, 75
CS	+	Cl ₂	10260	Tang, 75
CS	+	I ₂	10260	Tang, 75
CS ⁺¹	+	C ₆ H ₆	14787	Tedder, 79
Cl ₂	+	Br ⁻	11347	Chupka, 71
			15422	Dimov, 72
Cl ₂	+	Cl ⁻	5794	Hughes, 73
			15422	Dimov, 72
Cl ₂	+	I ⁻	5794	Hughes, 73
			11347	Chupka, 71
			15422	Dimov, 72
Cl ₂	+	K	9781	Mochizuki, 77

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Cl ₂	+	K	13482	Kimura, 78
Cl ₂	+	Cl ₂ ⁻	15422	Dimov, 72
Cl ₂	+	I ₂ ⁻	5794	Hughes, 73
Cl ₂	+	SH ⁻	5794	Hughes, 73
			12516	Dunkin, 72
Cl ₂	+	NO ₂ ⁻	5794	Hughes, 73
			12516	Dunkin, 72
Cl ₂ ⁻	+	I ₂ ⁻	15422	Dimov, 72
D ₂ ⁺¹	+	Ar	11019	Sen Sharma, 72
D ₂ ⁺¹	+	Cs	6922	Meyer, 75
			7805	Anderson, 75
D ₂ ⁺¹	+	Xe	8466	Morgan, 76
			8467	Graham, 76
D ₂ ⁺¹	+	D ₂	10300	Rothwell Jr., 74
			11019	Sen Sharma, 72
F ₂	+	Br ⁻	11347	Chupka, 71
F ₂	+	F ⁻	11347	Chupka, 71
HCl ⁺¹	+	C ₆ H ₆	14787	Tedder, 79
HD ⁺¹	+	D	10404	Krenos, 74
H ₂	+	Ar ⁺¹	9889	Hierl, 77
			10143	Hodge Jr., 77
H ₂	+	H	7787	Roussel, 75
			9865	Roussel, 77
			10679	Roussel, 77
			10680	Pradel, 77
			15069	Hill, 79
H ₂	+	H [.]	9865	Roussel, 77
			10679	Roussel, 77
			10680	Pradel, 77
			15069	Hill, 79
H ₂	+	He ⁺¹	9886	Olson, 77
			10143	Hodge Jr., 77
H ₂	+	He ⁺²	9886	Olson, 77
			10223	Shah, 78
H ₂	+	D ₂ ⁻	11242	Schnitzer, 78
H ₂ ⁺¹	+	Ar	11019	Sen Sharma, 72
			14916	Milner, 74
			15145	Smith, 71
H ₂ ⁺¹	+	Cs	7722	Meyer, 75
			7805	Anderson, 75
H ₂ ⁺¹	+	Kr	14916	Milner, 74
			15145	Smith, 71
H ₂ ⁺¹	+	Mg	13740	Morgan, 72
H ₂ ⁺¹	+	Ne	14916	Milner, 74
H ₂ ⁺¹	+	Xe	8466	Morgan, 76
			8467	Graham, 76
			14916	Milner, 74
			15145	Smith, 71
H ₂ ⁺¹	+	CO	12196	Parker, 78
			15145	Smith, 71

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H_2^{+1}	+	H_2	8467	Graham, 76
			11019	Sen Sharma, 72
			14916	Milner, 74
			15145	Smith, 71
			15189	Hess, 72
H_2^{+1}	+	N_2	14916	Milner, 74
			15145	Smith, 71
H_2^{+1}	+	NO	15145	Smith, 71
H_2^{+1}	+	O_2	15145	Smith, 71
H_2^{+1}	+	CO_2	6984	Bregman-Reisler, 75
			12059	Coplan, 70
			12593	Bregman-Reisler, 74
			15145	Smith, 71
H_2^{+1}	+	H_2O	12059	Coplan, 70
			13536	Dagnac, 70
			13996	Parker, 79
H_2^{+1}	+	N_2O	9144	Bearman, 77
H_2^{+1}	+	C_2H_2	15145	Smith, 71
H_2^{+1}	+	NH_3	9096	Parker, 77
			12059	Coplan, 70
H_2^{+1}	+	CF_4	15145	Smith, 71
H_2^{+1}	+	CH_4	6928	Milner, 75
			15145	Smith, 71
H_2^{+1}	+	C_2H_4	15145	Smith, 71
H_2^{+1}	+	C_2F_6	11340	Smith, 71
			15145	Smith, 71
He_2^+	+	Ar	11468	Lee, 78
He_2^{+1}	+	Ar	7233	Maier II, 75
			8416	Lee, 76
			11240	Collins, 78
He_2^{+1}	+	Cd	11115	Ranjbar, 77
He_2^{+1}	+	He	12219	Myers, 78
He_2^{+1}	+	Kr	7233	Maier II, 75
			11240	Collins, 78
He_2^{+1}	+	Ne	7233	Maier II, 75
			8416	Lee, 76
			12219	Myers, 78
He_2^{+1}	+	Xe	7233	Maier II, 75
He_2^{+1}	+	CO	8118	Bearman, 76
			8416	Lee, 76
			10274	Piper, 75
He_2^{+1}	+	HBr	11240	Collins, 78
He_2^{+1}	+	HCl	11240	Collins, 78
He_2^{+1}	+	H_2	11240	Collins, 78
			12219	Myers, 78
He_2^{+1}	+	N_2	6924	Leventhal, 75
			8118	Bearman, 76
			8416	Lee, 76
			10274	Piper, 75
He_2^{+1}	+	NO	8118	Bearman, 76

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He_2^{+1}	+	NO	11240	Collins, 78
He_2^{+1}	+	O_2	8118	Bearman, 76
			11240	Collins, 78
			12219	Myers, 78
He_2^{+1}	+	CO_2	7907	Bearman, 76
			8416	Lee, 76
He_2^{+1}	+	H_2O	11240	Collins, 78
He_2^{+1}	+	N_2O	11240	Collins, 78
He_2^{+1}	+	NO_2	11240	Collins, 78
He_2^{+1}	+	NH_3	11240	Collins, 78
He_2^{+1}	+	CCl_2F_2	11240	Collins, 78
He_2^{+1}	+	CH_4	8416	Lee, 76
He_2^{+1}	+	C_3H_8	11240	Collins, 78
HgI^+	+	Ar	14001	Eden, 79
HgI^+	+	Hg	14001	Eden, 79
HgI^+	+	Xe	14001	Eden, 79
HgI^+	+	HgI	14001	Eden, 79
HgI^+	+	N_2	14001	Eden, 79
HgI^+	+	HgI_2	14001	Eden, 79
HgI^+	+	CF_3I	14001	Eden, 79
I_2	+	Br^-	5794	Hughes, 73
			11347	Chupka, 71
			15422	Dimov, 72
I_2	+	Cl^-	5794	Hughes, 73
			15422	Dimov, 72
I_2	+	Cs	9611	Aten, 77
I_2	+	I^-	5794	Hughes, 73
			11347	Chupka, 71
			15422	Dimov, 72
I_2	+	K	9611	Aten, 77
I_2	+	Na	9611	Aten, 77
I_2	+	Br_2^-	15422	Dimov, 72
I_2	+	Cl_2^-	5794	Hughes, 73
			15422	Dimov, 72
I_2	+	I_2^-	15422	Dimov, 72
I_2	+	SH^-	5794	Hughes, 73
K_2	+	I	14989	Moutinho, 71
K_2	+	I_2	14989	Moutinho, 71
Li_2	+	I	14989	Moutinho, 71
Li_2	+	I_2	14989	Moutinho, 71
N_2	+	Ar^{+1}	9823	Gaucherel, 77
			10099	Anicich, 77
			10143	Hodge Jr., 77
			11318	Kelley, 78
N_2	+	H^-	10458	Harnois, 77
			10833	Risley, 77
N_2	+	H^*	13575	Dose, 72
N_2	+	H^{+1}	10132	Hughes, 77

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N ₂	+	He ⁺¹	9793	Bowers, 77
			9873	Govers, 77
			9874	Chen, 77
			10096	Johnsen, 77
			10099	Anicich, 77
			10143	Hodge Jr., 77
N ₂	+	He ₂ ⁺¹	9874	Chen, 77
N ₂	+	NO	14953	Kobayashi, 74
N ₂ ⁺¹	+	Ar	10295	Kaiser, 74
			14901	Fromont, 70
			14911	Rosenberg, 73
			15145	Smith, 71
N ₂ ⁺¹	+	Ca	11154	Rutherford, 72
N ₂ ⁺¹	+	D	14792	Karpas, 79
N ₂ ⁺¹	+	Fe	11155	Rutherford, 72
N ₂ ⁺¹	+	K	12093	Salop, 71
N ₂ ⁺¹	+	Kr	13692	Liu, 70
			15145	Smith, 71
N ₂ ⁺¹	+	Mg	11362	Rutherford, 71
N ₂ ⁺¹	+	N	13724	Mark, 71
N ₂ ⁺¹	+	Na	11052	Rutherford, 72
N ₂ ⁺¹	+	O	10291	Rutherford, 74
N ₂ ⁺¹	+	Th	11891	Rutherford, 78
N ₂ ⁺¹	+	U	11891	Rutherford, 78
N ₂ ⁺¹	+	Xe	15145	Smith, 71
N ₂ ⁺¹	+	CO	12875	Smith, 78
			13692	Liu, 70
			14953	Kobayashi, 74
N ₂ ⁺¹	+	H ₂	15145	Smith, 71
N ₂ ⁺¹	+	N ₂	6972	Chiu, 75
			10295	Kaiser, 74
			10880	Flannery, 73
			11338	Huntress Jr., 71
			11606	Utterback, 78
			11953	Tiernan, 70
			12085	Dunbar, 71
			14901	Fromont, 70
			14911	Rosenberg, 73
			14955	Kobayashi, 75
			15079	Lavigne, 72
			15145	Smith, 71
N ₂ ⁺¹	+	NO	11953	Tiernan, 70
N ₂ ⁺¹	+	O ₂	10821	Hasted, 77
			10893	McFarland, 73
			12066	Johnsen, 70
			12875	Smith, 78
			14953	Kobayashi, 74
			15145	Smith, 71
N ₂ ⁺¹	+	O ₂ ⁻	13669	Aberth, 70
			13709	Peterson, 71
N ₂ ⁺¹	+	CO ₂	6984	Bregman-Reisler, 75

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ORIGINAL DATA

N ₂	+	CO ₂	7169	Harland, 75
			12875	Smith, 78
			13692	Liu, 70
			15145	Smith, 71
N ₂ ⁺¹	+	H ₂ O	10316	Howorka, 74
			12875	Smith, 78
			12986	Karpas, 78
N ₂ ⁺¹	+	H ₂ S	12875	Smith, 78
			14232	Jowko, 79
N ₂ ⁺¹	+	N ₂ O	7169	Harland, 75
			11131	Ryan, 72
			13692	Liu, 70
N ₂ ⁺¹	+	OCS	12875	Smith, 78
			15145	Smith, 71
N ₂ ⁺¹	+	C ₂ H ₂	12875	Smith, 78
			12875	Smith, 78
N ₂ ⁺¹	+	H ₂ CO	7316	Lindinger, 75
			12875	Smith, 78
N ₂ ⁺¹	+	H ₂ O ₂	14232	Jowko, 79
			12875	Smith, 78
N ₂ ⁺¹	+	NH ₃	13150	Li, 78
			11340	Smith, 71
N ₂ ⁺¹	+	CD ₄	15145	Smith, 71
			11606	Utterback, 78
N ₂ ⁺¹	+	CF ₄	12528	Gaugehofer, 72
			12613	Ausloos, 75
N ₂ ⁺¹	+	CH ₄	15145	Smith, 71
			12527	Bowers, 72
N ₂ ⁺¹	+	SiH ₄	12613	Ausloos, 75
			12875	Smith, 78
N ₂ ⁺¹	+	CH ₃ OH	12875	Smith, 78
			12875	Smith, 78
N ₂ ⁺¹	+	CH ₃ NH ₂	11340	Smith, 71
			11953	Tiernan, 70
N ₂ ⁺¹	+	C ₂ F ₆	14787	Tedder, 79
			10099	Anicich, 77
N ₂ ⁺¹	+	C ₆ H ₆	11348	Berkowitz, 71
			6972	Chiu, 75
NO	+	Ar	11953	Tiernan, 70
NO	+	I ⁻	13512	Glosik, 78
NO	+	NO ⁻	14910	Thean, 73
NO ⁺¹	+	Ar	11154	Rutherford, 72
NO ⁺¹	+	Br ⁻	11246	Burdett, 78
NO ⁺¹	+	Ca	11246	Burdett, 78
NO ⁺¹	+	Cl ⁻	11246	Burdett, 78
NO ⁺¹	+	Fe	11155	Rutherford, 72
NO ⁺¹	+	I ⁻	11246	Burdett, 78
NO ⁺¹	+	Kr	14910	Thean, 73
NO ⁺¹	+	Mg	11362	Rutherford, 71
NO ⁺¹	+	Na	11052	Rutherford, 72
NO ⁺¹	+	Ne	14910	Thean, 73
NO ⁺¹	+	Xe	14910	Thean, 73
NO ⁺¹	+	CO	13512	Glosik, 78

CHARGE TRANSFER EXPERIMENTAL

CHARGE TRANSFER EXPERIMENTAL

ORIGINAL DATA

NO ⁺¹	+	CO	13560	Kosmider, 75
NO ⁺¹	+	H ₂	13512	Glosik, 78
NO ⁺¹	+	N ₂	13512	Glosik, 78
NO ⁺¹	+	NO	8860	Squires, 76
			10318	Moran, 74
			14910	Thean, 73
			14911	Rosenberg, 73
			15079	Lavigne, 72
			15145	Smith, 71
NO ⁺¹	+	O ₂	13512	Glosik, 78
			13560	Kosmider, 75
			15145	Smith, 71
NO ⁺¹	+	NO ₂ ⁻	13709	Peterson, 71
NO ⁺¹	+	C ₂ H ₂	15145	Smith, 71
NO ⁺¹	+	CH ₄	15145	Smith, 71
NO ⁺¹	+	C ₂ H ₄	15145	Smith, 71
NO ⁺¹	+	+CH ₃ NH ₂	12875	Smith, 78
NO ⁺¹	+	+C ₆ H ₅ Br	10879	Bregman-Reisler, 73
NO ⁺¹	+	+C ₆ H ₅ Cl	10879	Bregman-Reisler, 73
NO ⁺¹	+	+C ₆ H ₅ F	10879	Bregman-Reisler, 73
NO ⁺¹	+	C ₆ H ₆	10879	Bregman-Reisler, 73
			14787	Tedder, 79
NO ⁺¹	+	C ₆ H ₅ I	10879	Bregman-Reisler, 73
Na ₂	+	I	14989	Moutinho, 71
Na ₂	+	I ₂	14989	Moutinho, 71
Ne ₂ ⁺¹	+	N ₂	11797	Chen, 77
OH	+	O ₃ ⁻	15444	Lifshitz, 77
OH ⁺¹	+	NO	12987	Karpas, 78
OH ⁺¹	+	O ₂	12987	Karpas, 78
OH ⁺¹	+	H ₂ O	12075	Ryan, 70
OH ⁺¹	+	H ₂ S	12987	Karpas, 78
OH ⁺¹	+	N ₂ O	12987	Karpas, 78
OH ⁺¹	+	H ₂ CO	12987	Karpas, 78
OH ⁺¹	+	CD ₄	12987	Karpas, 78
OH ⁺¹	+	CD ₃ OH	11142	Lifshitz, 72
OH ⁺¹	+	C ₂ H ₆	11142	Lifshitz, 72
OH ⁺¹	+	+C ₂ H ₆ CO	11142	Lifshitz, 72
OH ⁺¹	+	C ₆ H ₆	14787	Tedder, 79
O ₂	+	Ar	10099	Anicich, 77
O ₂	+	Ar ⁺¹	9823	Gaucherel, 77
			9894	Lindinger, 77
O ₂	+	Ar ⁺²	9894	Lindinger, 77
O ₂	+	Br ⁻	15422	Dimov, 72
O ₂	+	C ⁻	12070	Paulson, 70

ORIGINAL DATA

O ₂	+	Cl ⁻	7733	Vogt, 75
			15422	Dimov, 72
O ₂	+	D ⁻	15219	Vogt, 70
O ₂	+	H ⁻	11934	Dunkin, 70
			12015	Bailey, 70
			15219	Vogt, 70
O ₂	+	H [.]	13575	Dose, 72
O ₂	+	H ⁺¹	11318	Kelley, 78
O ₂	+	He ⁺¹	10096	Johnsen, 77
			8150	Refaey, 76
			11348	Berkowitz, 71
			15422	Dimov, 72
O ₂	+	O ⁻	5227	Kinsman, 70
			7733	Vogt, 75
			9136	Vogt, 77
			10305	Mathis, 74
			12015	Bailey, 70
			13681	Varney, 70
			13685	McKnight, 70
			13698	Snuggs, 71
			15422	Dimov, 72
O ₂	+	OH ⁻	12015	Bailey, 70
O ₂	+	O ₂ ⁻	6972	Chiu, 75
			12015	Bailey, 70
			13681	Varney, 70
O ₂	+	SO ⁻	15219	Vogt, 70
O ₂ ⁺¹	+	Ar	10279	Lindinger, 75
			12577	Cosby, 74
			13229	Fehsenfeld, 73
			13512	Glosik, 78
			14915	Thean, 74
			15145	Smith, 71
O ₂ ⁺¹	+	Ca	11154	Rutherford, 72
O ₂ ⁺¹	+	Fe	11155	Rutherford, 72
O ₂ ⁺¹	+	Kr	14915	Thean, 74
			15145	Smith, 71
O ₂ ⁺¹	+	Mg	11362	Rutherford, 71
O ₂ ⁺¹	+	Na	11052	Rutherford, 72
O ₂ ⁺¹	+	Ne	14915	Thean, 74
O ₂ ⁺¹	+	Xe	8856	Ajello, 76
			14915	Thean, 74
			15145	Smith, 71
O ₂ ⁺¹	+	CO	10279	Lindinger, 75
			13512	Glosik, 78
			15145	Smith, 71
O ₂ ⁺¹	+	H ₂	13512	Glosik, 78
O ₂ ⁺¹	+	N ₂	10279	Lindinger, 75
			13512	Glosik, 78
			15145	Smith, 71
O ₂ ⁺¹	+	NO	12066	Johnsen, 70
			13512	Glosik, 78

CHARGE TRANSFER EXPERIMENTAL

ORIGINAL DATA

O ₂ ⁺¹	+	NO	14933	Lindinger, 75
			14953	Kobayashi, 74
			15145	Smith, 71
O ₂ ⁺¹	+	O ₂	6972	Chiu, 75
			10318	Moran, 74
			11923	Baer, 78
			13512	Glosik, 78
			13681	Varney, 70
			14915	Thean, 74
			14955	Kobayashi, 75
			15079	Lavigne, 72
			15145	Smith, 71
O ₂ ⁺¹	+	O ₂ ⁻	13669	Aberth, 70
			13709	Peterson, 71
O ₂ ⁺¹	+	CO ₂	10279	Lindinger, 75
			15145	Smith, 71
O ₂ ⁺¹	+	H ₂ S	8868	Liddy, 75
			12875	Smith, 78
O ₂ ⁺¹	+	N ₂ O	15013	Sunner, 79
O ₂ ⁺¹	+	NO ₂ ⁻	13709	Peterson, 71
O ₂ ⁺¹	+	OCS	12875	Smith, 78
O ₂ ⁺¹	+	C ₂ H ₂	15145	Smith, 71
O ₂ ⁺¹	+	H ₂ CO	12875	Smith, 78
O ₂ ⁺¹	+	H ₂ O ₂	7316	Lindinger, 75
O ₂ ⁺¹	+	NH ₃	12875	Smith, 78
O ₂ ⁺¹	+	CF ₄	11340	Smith, 71
			15145	Smith, 71
O ₂ ⁺¹	+	CH ₄	12528	Gaugehofer, 72
			12613	Ausloos, 75
			13966	Lindinger, 79
			15145	Smith, 71
O ₂ ⁺¹	+	C ₂ H ₄	15145	Smith, 71
O ₂ ⁺¹	+	CH ₃ OH	12875	Smith, 78
O ₂ ⁺¹	+	CH ₃ NH ₂	12875	Smith, 78
O ₂ ⁺¹	+	C ₂ F ₆	15145	Smith, 71
			15145	Smith, 71
O ₂ ⁺¹	+	C ₆ H ₆	14787	Tedder, 79
O ₂ ⁺²	+	CO	13512	Glosik, 78
O ₂ ⁺²	+	N ₂	13512	Glosik, 78
SO ⁺¹	+	NH ₃	8868	Liddy, 75
SO ⁺¹	+	C ₆ H ₆	14787	Tedder, 79
CO ₂	+	Ar	10099	Anichich, 77
CO ₂	+	Ar ⁺¹	9894	Lindinger, 77
CO ₂	+	Ar ⁺²	9894	Lindinger, 77
CO ₂	+	Br ⁻	15422	Dimov, 72
CO ₂	+	Cl ⁻	15422	Dimov, 72
CO ₂	+	He ⁺¹	9780	Parker, 77
			9874	Chen, 77
CO ₂	+	I ⁻	15422	Dimov, 72

CHARGE TRANSFER EXPERIMENTAL

ORIGINAL DATA

CO ₂	+	O ⁻	12023	Paulson, 70
CO ₂	+	H ₂ ⁺¹	9780	Parker, 77
CO ₂	+	NO ⁻	12023	Paulson, 70
CO ₂	+	O ₂ ⁻	12023	Paulson, 70
CO ₂ ⁺¹	+	Ar	9610	Muller, 77
			15145	Smith, 71
CO ₂ ⁺¹	+	He	9610	Muller, 77
CO ₂ ⁺¹	+	Kr	9610	Muller, 77
			15145	Smith, 71
CO ₂ ⁺¹	+	Ne	9610	Muller, 77
CO ₂ ⁺¹	+	Th	11891	Rutherford, 78
CO ₂ ⁺¹	+	U	11891	Rutherford, 78
CO ₂ ⁺¹	+	Xe	9610	Muller, 77
			15145	Smith, 71
CO ₂ ⁺¹	+	CO	15145	Smith, 71
CO ₂ ⁺¹	+	H ₂	9610	Muller, 77
CO ₂ ⁺¹	+	N ₂	9610	Muller, 77
CO ₂ ⁺¹	+	NO	15145	Smith, 71
CO ₂ ⁺¹	+	O ₂	9610	Muller, 77
CO ₂ ⁺¹	+	CO ₂	9610	Muller, 77
			10295	Kaiser, 74
			11338	Huntress Jr., 71
			15079	Lavigne, 72
			15145	Smith, 71
CO ₂ ⁺¹	+	H ₂ S	14232	Jowko, 79
CO ₂ ⁺¹	+	N ₂ O	15013	Sunner, 79
CO ₂ ⁺¹	+	C ₂ H ₂	15145	Smith, 71
CO ₂ ⁺¹	+	NH ₃	14232	Jowko, 79
CO ₂ ⁺¹	+	CF ₄	11340	Smith, 71
			15145	Smith, 71
CO ₂ ⁺¹	+	CH ₄	9610	Muller, 77
			12528	Gaugehofer, 72
			12613	Ausloos, 75
			15145	Smith, 71
CO ₂ ⁺¹	+	SiH ₄	12527	Bowers, 72
			12613	Ausloos, 75
CO ₂ ⁺¹	+	C ₂ H ₄	15145	Smith, 71
CO ₂ ⁺¹	+	C ₂ F ₆	11340	Smith, 71
			15145	Smith, 71
CO ₂ ⁺¹	+	C ₂ H ₆	9610	Muller, 77
CO ₂ ⁺¹	+	C ₆ H ₆	12528	Gaugehofer, 72
			12613	Ausloos, 75
			15145	Smith, 71
CO ₂ ⁺¹	+	Cl ⁻	5794	Hughes, 73
CS ₂	+	O ⁻	5794	Hughes, 73
CS ₂	+	NO ⁻	5794	Hughes, 73

CHARGE TRANSFER EXPERIMENTAL

CHARGE TRANSFER EXPERIMENTAL

ORIGINAL DATA

CS_2^{+1}	+	C_6H_6	14787	Tedder, 79
D_3^{+1}	+	Cs	7722	Meyer, 75
			7805	Anderson, 75
HCN^{+1}	+	D	14792	Karpas, 79
HCN^{+1}	+	C_6H_6	14787	Tedder, 79
H_3^{+1}	+	H_3	11338	Huntress Jr., 71
H_3^{+1}	+	H_2O	13536	Dagnac, 70
H_3^{+1}	+	N_2O	9144	Bearman, 77
H_2O^{+1}	+	Ca	11154	Rutherford, 72
H_2O^{+1}	+	Fe	11155	Rutherford, 72
H_2O^{+1}	+	Mg	11362	Rutherford, 71
H_2O^{+1}	+	Na	11052	Rutherford, 72
H_2O^{+1}	+	H_2S	14232	Jowko, 79
H_2O^{+1}	+	NH_3	14232	Jowko, 79
H_2O^{+1}	+	CD_3OH	11142	Lifshitz, 72
H_2O^{+1}	+	C_2H_6	11142	Lifshitz, 72
H_2O^{+1}	+	$\text{C}_2\text{H}_5\text{OH}$	11142	Lifshitz, 72
H_2O^{+1}	+	$\text{C}_2\text{H}_6\text{CO}$	11142	Lifshitz, 72
H_2O^{+1}	+	C_3H_8	11142	Lifshitz, 72
H_2O^{+1}	+	C_6H_6	14787	Tedder, 79
H_2S	+	He^{+1}	9874	Chen, 77
H_2S^{+1}	+	CD_3OH	11142	Lifshitz, 72
H_2S^{+1}	+	$\text{C}_2\text{H}_5\text{OH}$	11142	Lifshitz, 72
H_2S^{+1}	+	$\text{C}_2\text{H}_6\text{CO}$	11142	Lifshitz, 72
H_2S^{+1}	+	C_6H_6	14787	Tedder, 79
H_2S^{+1}	+	$\text{C}_3\text{H}_8\text{O}$	11142	Lifshitz, 72
H_2S^{+1}	+	$\text{C}_3\text{H}_7\text{OH}$	11142	Lifshitz, 72
H_2S^{+1}	+	C_4H_{10}	11142	Lifshitz, 72
NH_2^{+1}	+	NH_3	11991	Ryan, 70
			12087	Huntress Jr., 71
N_2H^{+1}	+	CO_2	13997	Rakshit, 78
N_3^{+1}	+	H_2S	12875	Smith, 78
N_3^{+1}	+	NH_2	12875	Smith, 78
N_3^{+1}	+	OCS	12875	Smith, 78
N_3^{+1}	+	H_2CO	12875	Smith, 78
N_3^{+1}	+	CH_3OH	12875	Smith, 78
N_3^{+1}	+	CH_3NH_2	12875	Smith, 78
N_2O	+	Ar	10099	Anicich, 77
N_2O	+	O^-	10965	Marx, 73
			12022	Paulson, 70

ORIGINAL DATA

N_2O	+	NO^-	10965	Marx, 73
N_2O^{+1}	+	Ca	12022	Paulson, 70
N_2O^{+1}	+	Mg	11154	Rutherford, 72
N_2O^{+1}	+	Na	11362	Rutherford, 71
N_2O^{+1}	+	H_2S	11052	Rutherford, 72
N_2O^{+1}	+	N_2O	14232	Jowko, 79
N_2O^{+1}	+	NH_3	14232	Jowko, 79
N_2O^{+1}	+	SiH_4	12527	Bowers, 72
			12613	Ausloos, 75
N_2O^{+1}	+	C_2H_6	11142	Lifshitz, 72
N_2O^{+1}	+	C_6H_6	14787	Tedder, 79
NO_2	+	Br^-	5794	Hughes, 73
			12454	Lifshitz, 70
			12876	Lifshitz, 78
NO_2	+	Cl^-	7733	Vogt, 75
			12454	Lifshitz, 70
NO_2	+	D^-	5794	Hughes, 73
			15219	Vogt, 70
NO_2	+	F ⁻	5794	Hughes, 73
			15219	Vogt, 70
NO_2	+	H ⁻	5794	Hughes, 73
			11348	Berkowitz, 71
NO_2	+	I ⁻	5794	Hughes, 73
			7733	Vogt, 75
NO_2	+	O ⁻	5794	Hughes, 73
			7733	Vogt, 75
NO_2	+		10572	Lifshitz, 73
			14058	Dotan, 79
			14914	Lifshitz, 73
NO_2	+	S ⁻	5794	Hughes, 73
			12516	Dunkin, 72
NO_2	+	SH ⁻	5794	Hughes, 73
			12516	Dunkin, 72
NO_2	+	CS ₂ ⁻	5794	Hughes, 73
			5794	Hughes, 73
NO_2	+	NO_2^-	10988	Rutherford, 73
			12876	Lifshitz, 78
NO_2	+	O_3^-	5794	Hughes, 73
			5794	Hughes, 73
NO_2	+	SO_2^-	10572	Lifshitz, 73
			10572	Lifshitz, 73
NO_2	+	CF_3^-	5794	Hughes, 73
			10572	Lifshitz, 73
NO_2	+	SiCl_4^-	5794	Hughes, 73
			10572	Lifshitz, 73
NO_2	+	SF_5^-	5794	Hughes, 73
			10572	Lifshitz, 73
NO_2	+	C_2F_5^-	5794	Hughes, 73
			10572	Lifshitz, 73
NO_2	+	SF_6^-	5794	Hughes, 73
			10572	Lifshitz, 73
NO_2	+	C_4F_8^-	5794	Hughes, 73
			10572	Lifshitz, 73
NO_2^{+1}	+	C_6H_6	14787	Tedder, 79
OCS^{+1}	+	H_2S	14232	Jowko, 79
OCS^{+1}	+	NH_3	14232	Jowko, 79

CHARGE TRANSFER EXPERIMENTAL

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ORIGINAL DATA

O ₃	+	Br ⁻	12876	Lifshitz, 78
O ₃	+	Cl ⁻	10988	Rutherford, 73
O ₃	+	F ⁻	10988	Rutherford, 73
			12876	Lifshitz, 78
O ₃	+	I ⁻	11348	Berkowitz, 71
			12876	Lifshitz, 78
O ₃	+	O ⁻	10988	Rutherford, 73
			12876	Lifshitz, 78
			15444	Lifshitz, 77
O ₃	+	S ⁻	12876	Lifshitz, 78
			15444	Lifshitz, 77
O ₃	+	Cl ₂ ⁻	12876	Lifshitz, 78
O ₃	+	OH ⁻	10988	Rutherford, 73
			12876	Lifshitz, 78
O ₃	+	O ₂ ⁻	10988	Rutherford, 73
O ₃	+	SH ⁻	12876	Lifshitz, 78
			15444	Lifshitz, 77
O ₃	+	C ₂ H ⁻	12876	Lifshitz, 78
O ₃	+	NO ₂ ⁻	10988	Rutherford, 73
			12876	Lifshitz, 78
SO ₂	+	Cl ⁻	5794	Hughes, 73
			7733	Vogt, 75
SO ₂	+	D ⁻	5794	Hughes, 73
SO ₂	+	I ⁻	5794	Hughes, 73
			9520	Refaey, 76
SO ₂	+	O ⁻	7733	Vogt, 75
			10253	Lindinger, 75
SO ₂	+	S ⁻	5794	Hughes, 73
SO ₂	+	SO ⁻	14058	Dotan, 79
SO ₂ ⁺¹	+	C ₆ H ₆	14787	Tedder, 79
C ₂ H ₂	+	Ar ⁺²	9894	Lindinger, 77
C ₂ H ₂ ⁺¹	+	Ar	14901	Fromont, 70
C ₂ H ₂ ⁺¹	+	Kr	14901	Fromont, 70
C ₂ H ₂ ⁺¹	+	Xe	14901	Fromont, 70
C ₂ H ₂ ⁺¹	+	H ₂ S	14232	Jowko, 79
C ₂ H ₂ ⁺¹	+	C ₂ H ₂	15145	Smith, 71
C ₂ H ₂ ⁺¹	+	NH ₃	14232	Jowko, 79
C ₂ H ₂ ⁺¹	+	CF ₄	11340	Smith, 71
			15145	Smith, 71
C ₂ H ₂ ⁺¹	+	CH ₄	15145	Smith, 71
C ₂ H ₂ ⁺¹	+	C ₂ H ₄	15145	Smith, 71
C ₂ H ₂ ⁺¹	+	C ₂ H ₆	14901	Fromont, 70
C ₂ H ₂ ⁺¹	+	C ₂ H ₅ OH	11142	Lifshitz, 72
C ₂ H ₂ ⁺¹	+	C ₂ H ₆ CO	11142	Lifshitz, 72
C ₂ H ₂ ⁺¹	+	C ₃ H ₈	14901	Fromont, 70

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C ₂ H ₂ ⁺¹	+	C ₆ H ₆	14787	Tedder, 79
C ₂ H ₂ ⁺¹	+	C ₃ H ₈ O	11142	Lifshitz, 72
C ₂ H ₂ ⁺¹	+	C ₃ H ₇ OH	11142	Lifshitz, 72
C ₂ H ₂ ⁺¹	+	C ₄ H ₁₀	11142	Lifshitz, 72
CH ₃ ⁺¹	+	CD ₄	8127	Ardelean, 76
CH ₃ ⁺¹	+	CH ₂ D ₂	8127	Ardelean, 76
CH ₃ ⁺¹	+	CH ₃ D	8127	Ardelean, 76
CH ₃ ⁺¹	+	CH ₄	8127	Ardelean, 76
CH ₃ ⁺¹	+	C ₆ H ₆	14787	Tedder, 79
H ₃ O ⁺¹	+	Ca	11154	Rutherford, 72
H ₃ O ⁺¹	+	Na	11052	Rutherford, 72
H ₂ O ₂ ⁺¹	+	NO	7316	Lindinger, 75
NF ₃	+	Kr ⁺¹	10229	Shaw, 77
NH ₃	+	Ar ⁺¹	9582	Chau, 76
NH ₃	+	He ⁺¹	9582	Chau, 76
NH ₃	+	Kr ⁺¹	9582	Chau, 76
NH ₃	+	Ne ⁺¹	9582	Chau, 76
NH ₃	+	Xe ⁺¹	9582	Chau, 76
NH ₃	+	CO ⁺¹	9582	Chau, 76
NH ₃	+	CO ₂ ⁺¹	9582	Chau, 76
NH ₃	+	H ₂ O ⁺¹	10170	Anicich, 77
NH ₃ ⁺¹	+	NH ₃	12087	Huntress Jr., 71
NH ₃ ⁺¹	+	C ₆ H ₆	14787	Tedder, 79
N ₄ ⁺¹	+	CO	12875	Smith, 78
N ₄ ⁺¹	+	O ₂	12875	Smith, 78
N ₄ ⁺¹	+	CO ₂	12875	Smith, 78
N ₄ ⁺¹	+	H ₂ O	12875	Smith, 78
N ₄ ⁺¹	+	H ₂ S	12875	Smith, 78
N ₄ ⁺¹	+	OCS	12875	Smith, 78
N ₄ ⁺¹	+	H ₂ CO	12875	Smith, 78
N ₄ ⁺¹	+	NH ₃	12875	Smith, 78
N ₄ ⁺¹	+	CH ₄	12875	Smith, 78
N ₄ ⁺¹	+	CH ₃ OH	12875	Smith, 78
N ₄ ⁺¹	+	CH ₃ NH ₂	12875	Smith, 78
NO ₃	+	I ⁻	11348	Berkowitz, 71
PH ₃	+	Ar ⁺¹	9582	Chau, 76
PH ₃	+	He ⁺¹	9582	Chau, 76

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PH ₃	+	Kr ⁺¹	9582	Chau,	76
PH ₃	+	Ne ⁺¹	9582	Chau,	76
PH ₃	+	Xe ⁺¹	9582	Chau,	76
PH ₃	+	CO ⁺¹	9582	Chau,	76
PH ₃	+	CO ₂ ⁺¹	9582	Chau,	76
CCl ₄	+	I ⁻	15422	Dimov,	72
CH ₃ Cl ⁺¹	+	C ₆ H ₆	14787	Tedder,	79
CH ₄ ⁺¹	+	CH ₄	12085	Dunbar,	71
			14908	Thean,	72
			15145	Smith,	71
CH ₄ ⁺¹	+	CD ₃ OH	11142	Lifshitz,	72
CH ₄ ⁺¹	+	C ₂ H ₆	11142	Lifshitz,	72
CH ₄ ⁺¹	+	C ₂ H ₆ CO	11142	Lifshitz,	72
CH ₄ ⁺¹	+	C ₆ H ₆	14787	Tedder,	79
C ₂ H ₄	+	O ⁻	10253	Lindinger,	75
C ₂ H ₄ ⁺¹	+	Ar	14901	Fromont,	70
C ₂ H ₄ ⁺¹	+	Kr	14901	Fromont,	70
			15145	Smith,	71
C ₂ H ₄ ⁺¹	+	Xe	14901	Fromont,	70
			15145	Smith,	71
C ₂ H ₄ ⁺¹	+	NO	15145	Smith,	71
C ₂ H ₄ ⁺¹	+	C ₂ H ₄	15145	Smith,	71
C ₂ H ₄ ⁺¹	+	C ₂ H ₆	14901	Fromont,	70
C ₂ H ₄ ⁺¹	+	C ₃ H ₈	14901	Fromont,	70
C ₂ H ₄ ⁺¹	+	C ₆ H ₆	14787	Tedder,	79
CH ₃ OH	+	H ⁺¹	9813	Mach,	77
CH ₃ OH	+	H ₂ ⁺¹	9813	Mach,	77
CH ₃ OH	+	H ₃ ⁺¹	9813	Mach,	77
CH ₃ OH ⁺¹	+	C ₂ H ₅ OH	11142	Lifshitz,	72
CH ₃ OH ⁺¹	+	C ₂ H ₆ CO	11142	Lifshitz,	72
CH ₃ OH ⁺¹	+	C ₆ H ₆	14787	Tedder,	79
CH ₃ OH ⁺¹	+	C ₃ H ₈ O	11142	Lifshitz,	72
CH ₃ OH ⁺¹	+	C ₃ H ₇ OH	11142	Lifshitz,	72
CH ₃ OH ⁺¹	+	C ₄ H ₁₀	11142	Lifshitz,	72
SF ₆	+	Br ⁻	10572	Lifshitz,	73
			15422	Dimov,	72
SF ₆	+	Cl ⁻	10572	Lifshitz,	73
			12454	Lifshitz,	70
			15422	Dimov,	72
SF ₆	+	D ⁻	10572	Lifshitz,	73
SF ₆	+	I ⁻	10572	Lifshitz,	73
			15422	Dimov,	72

SF ₆	+	K	7619	Hubers,	75
SF ₆	+	Li	7619	Hubers,	75
SF ₆	+	Na	7619	Hubers,	75
SF ₆	+	O ⁻	10572	Lifshitz,	73
SF ₆	+	S ⁻	10572	Lifshitz,	73
SF ₆	+	NO ⁻	10572	Lifshitz,	73
SF ₆	+	OH ⁻	10572	Lifshitz,	73
SF ₆	+	O ₂ ⁻	10572	Lifshitz,	73
SF ₆	+	SO ₂ ⁻	10572	Lifshitz,	73
SF ₆	+	C ₂ H ₂ ⁻	10572	Lifshitz,	73
SF ₆	+	SF ₆ ⁻	10572	Lifshitz,	73
SeF ₆	+	SF ₆ ⁻	11943	Stockdale,	70
TeF ₆	+	SF ₆ ⁻	11943	Stockdale,	70
UF ₆	+	UF ₅ ⁻	11943	Stockdale,	70
UF ₆	+	SF ₆ ⁻	11943	Stockdale,	70
C ₂ H ₆ ⁺¹	+	Ar	14901	Fromont,	70
C ₂ H ₆ ⁺¹	+	Kr	14901	Fromont,	70
C ₂ H ₆ ⁺¹	+	Xe	14901	Fromont,	70
C ₂ H ₆ ⁺¹	+	C ₂ H ₆	14901	Fromont,	70
C ₂ H ₆ ⁺¹	+	C ₂ H ₅ OH	11142	Lifshitz,	72
C ₂ H ₆ ⁺¹	+	C ₂ H ₆ CO	11142	Lifshitz,	72
C ₂ H ₆ ⁺¹	+	C ₃ H ₈	11142	Lifshitz,	72
			14901	Fromont,	70
C ₂ H ₆ ⁺¹	+	C ₃ H ₈ O	11142	Lifshitz,	72
C ₂ H ₆ ⁺¹	+	C ₃ H ₇ OH	11142	Lifshitz,	72
C ₂ H ₆ ⁺¹	+	C ₄ H ₁₀	11142	Lifshitz,	72
C ₃ H ₈ ⁺¹	+	C ₂ H ₅ OH	11142	Lifshitz,	72
C ₃ H ₈ ⁺¹	+	C ₂ H ₆ CO	11142	Lifshitz,	72
C ₃ H ₈ ⁺¹	+	C ₃ H ₈ O	11142	Lifshitz,	72
C ₃ H ₈ ⁺¹	+	C ₃ H ₇ OH	11142	Lifshitz,	72
C ₆ F ₆	+	Br ⁻	15422	Dimov,	72
C ₆ F ₆	+	I ⁻	10572	Lifshitz,	73
			15422	Dimov,	72
C ₆ F ₆	+	S ⁻	10572	Lifshitz,	73
C ₆ H ₅ Br ⁺¹	+	C ₆ H ₅ Br	10879	Bregman-Reisler,	73
C ₆ H ₅ Cl ⁺¹	+	C ₆ H ₅ Cl	10879	Bregman-Reisler,	73
C ₆ H ₅ F ⁺¹	+	C ₆ H ₅ F	10879	Bregman-Reisler,	73
C ₆ H ₆ ⁺¹	+	C ₆ H ₅ Br	10879	Bregman-Reisler,	73
C ₆ H ₆ ⁺¹	+	C ₆ H ₅ Cl	10879	Bregman-Reisler,	73

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C ₆ H ₆ ⁺¹	+	C ₆ H ₅ F	10879	Bregman-Reisler,	73
C ₆ H ₆ ⁺¹	+	C ₆ H ₆	10879	Bregman-Reisler,	73
C ₆ H ₆ ⁺¹	+	C ₆ H ₅ I	10879	Bregman-Reisler,	73
C ₆ H ₅ I ⁺¹	+	C ₆ H ₅ I	10879	Bregman-Reisler,	73
C ₄ H ₁₀ ⁺¹	+	C ₂ H ₆ CO	11142	Lifshitz,	72

REFERENCE

Ar	+	He	13992	Piper,	78
Ar ⁺¹	+	Ar	14676	Matsuo,	79
Ar ⁺¹	+	Mg	9135	Beth,	77
Ar ⁺¹	+	Na	13343	Dutta,	79
Ar ⁺¹	+	CO	15155	Brandt,	73
Ar ⁺¹	+	D ₂	7692	Budzynski,	75
Ar ⁺¹	+	H ₂	7692	Budzynski,	75
			14530	Brandt,	79
Ar ⁺¹	+	N ₂	7692	Budzynski,	75
			14709	Lavrov,	79
			15155	Brandt,	73
Ar ⁺¹	+	NO	7692	Budzynski,	75
Ar ⁺¹	+	O ₂	7692	Budzynski,	75
			15116	Mauclaire,	79
Br ⁺¹	+	Ar	14918	Keough,	75
Br ⁺¹	+	Kr	14918	Keough,	75
Br ⁺¹	+	Xe	14918	Keough,	75
C ⁺¹	+	NO	15155	Brandt,	73
Cl ⁺¹	+	Ar	14918	Keough,	75
Cl ⁺¹	+	Kr	14918	Keough,	75
Cl ⁺¹	+	Xe	14918	Keough,	75
Cs	+	CO ₂	7104	Compton,	75
D ⁺¹	+	Na	13343	Dutta,	79
H	+	H ⁻	15284	Prelac,	73
H ⁺¹	+	Cs	9146	Brouillard,	77
H ⁺¹	+	Na	13343	Dutta,	79
H ⁺¹	+	Xe	15383	Fournier,	74
H ⁺¹	+	D ₂	15170	Clement,	70
H ⁺¹	+	H ₂	15170	Clement,	70
H ⁺¹	+	N ₂	14709	Lavrov,	79
			14976	Ghosh,	70
H ⁺¹	+	C ₂ H ₄	7708	Benoit,	75
He ⁺¹	+	Ar	15300	De Corpo,	70
He ⁺¹	+	Ba	10815	Hultsch,	77
He ⁺¹	+	Ca	13624	Melius,	74
He ⁺¹	+	Cd	14924	Collins,	73
He ⁺¹	+	Cs	14674	Reynaud,	79
			14774	Reynaud,	79
He ⁺¹	+	He	14520	Jaecks,	79

REFERENCE

He ⁺¹	+	He	15429	Latypov,	75
He ⁺¹	+	K	12220	Bearman,	78
			14674	Reynaud,	79
			14774	Reynaud,	79
He ⁺¹	+	Kr	15270	Nagy,	71
He ⁺¹	+	La	13231	Littlewood,	74
He ⁺¹	+	Mg	15395	Latush,	72
He ⁺¹	+	Na	12220	Bearman,	78
			13343	Dutta,	79
			14674	Reynaud,	79
			14774	Reynaud,	79
He ⁺¹	+	Rb	14674	Reynaud,	79
			14774	Reynaud,	79
He ⁺¹	+	Y	13231	Littlewood,	74
He ⁺¹	+	Zn	13624	Melius,	74
			14924	Collins,	73
He ⁺¹	+	CO	12196	Parker,	78
He ⁺¹	+	H ₂	14520	Jaecks,	79
			15177	Hollstein,	70
He ⁺¹	+	N ₂	14708	Schmidt,	79
			14709	Lavrov,	79
He ⁺¹	+	O ₂	15071	Lister,	79
He ⁺¹	+	NH ₃	10282	Lindinger,	75
He ⁺²	+	Ar	14778	Johnsen,	79
He ⁺²	+	He	15319	Latypov,	70
He ⁺²	+	Hg	12255	Niehaus,	78
He ⁺²	+	Kr	14719	Johnsen,	79
			14778	Johnsen,	79
He ⁺²	+	Xe	14719	Johnsen,	79
			14778	Johnsen,	79
He ⁺²	+	N ₂	12227	Rogers,	78
I ⁺¹	+	Ar	14918	Keough,	75
I ⁺¹	+	Kr	14918	Keough,	75
I ⁺¹	+	Xe	14918	Keough,	75
K	+	NO	14714	Okada,	79
K	+	CS ₂	7104	Compton,	75
K	+	NO ₂	14715	Kimura,	79
K	+	SF ₆	14714	Okada,	79
K ⁺	+	K	6570	Fontijn,	75
K ⁺¹	+	Ar	7949	Makita,	75
Kr ⁺¹	+	Na	13343	Dutta,	79
Kr ⁺¹	+	NO	7692	Budzynski,	75
Li ⁺¹	+	He	15427	Latypov,	73
Li ⁺¹	+	Ne	15427	Latypov,	73
N ⁺¹	+	Ar	13581	Vujovic,	72
N ⁺¹	+	N ₂	14709	Lavrov,	79
N ⁺¹	+	O ₂	12106	Tully,	71

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N ⁺¹	+CH ₃ COCH ₃	14806	Freeman,	79
N ⁺²	+ Ar	13957	Sharma,	79
N ⁺²	+ He	13957	Sharma,	79
		14663	Hasted,	79
		14680	Sato,	79
N ⁺²	+ Ne	13957	Sharma,	79
		14663	Hasted,	79
Na	+ OCS	7104	Compton,	75
Na ⁺¹	+ K	8261	Riggin,	75
Na ⁺¹	+ Ne	15385	Bobashev,	70
Ne ⁺¹	+ Fe	14280	Johansson,	78
Ne ⁺¹	+ He	14700	Morgenstern,	79
Ne ⁺¹	+ Na	13343	Dutta,	79
Ne ⁺¹	+ Te	14827	Silfvast,	72
Ne ⁺¹	+ CO	15155	Brandt,	73
Ne ⁺¹	+ N ₂	7692	Budzynski,	75
		12012	Govers,	78
		14709	Lavrov,	79
		14909	Adams,	72
		14913	Adams,	73
		15155	Brandt,	73
Ne ⁺¹	+ O ₂	7692	Budzynski,	75
Ne ⁺²	+ He	14700	Morgenstern,	79
Ne ⁺²	+ Kr	14778	Johnsen,	79
Ne ⁺²	+ Xe	14778	Johnsen,	79
Ne ⁺³	+ He	14700	Morgenstern,	79
Ne ⁺³	+ H ₂	14700	Morgenstern,	79
O ⁺¹	+ N ₂	7929	Harris,	75
		14709	Lavrov,	79
O ⁺¹	+CH ₃ COCH ₃	14806	Freeman,	79
Xe ⁺¹	+ Ca	14925	Chubb,	75
Xe ⁺¹	+ Mg	9135	Beth,	77
CN ⁺¹	+CH ₃ COCH ₃	14806	Freeman,	79
H ₂ ⁺¹	+ Ar	12750	Vogler,	78
H ₂ ⁺¹	+ He	12750	Vogler,	78
H ₂ ⁺¹	+ H ₂	12750	Vogler,	78
H ₂ ⁺¹	+ N ₂	14709	Lavrov,	79
		14805	Dagdigian,	79
H ₂ ⁺¹	+ CH ₂ D ₂	7235	Ardelean,	75
H ₂ ⁺¹	+ CH ₃ D	7235	Ardelean,	75
He ₂ ⁺¹	+ CO	14829	Waller,	75
He ₂ ⁺¹	+ N ₂	7935	Cunningham,	75
N ₂	+ H ⁻	7937	Risley,	75
N ₂ ⁺¹	+ Ne	14909	Adams,	72
N ₂ ⁺¹	+CH ₃ COCH ₃	14806	Freeman,	79
NO ⁺¹	+ NO ₂ ⁻	14355	Smith,	78
O ₂	+ K	7933	Lacmann,	75

REFERENCE

O ₂ ⁺¹	+ N ₂	15161	MacKay,	72
O ₂ ⁺¹	+ O ₂	15161	MacKay,	72
C ₂ N ₂ ⁺¹	+CH ₃ COCH ₃	14806	Freeman,	79
CH ₄ ⁺¹	+ CH ₂ D ₂	7235	Ardelean,	75
CH ₄ ⁺¹	+ CH ₃ D	7235	Ardelean,	75
TeF ₆	+ Cs	14500	Stockdale,	79
UF ₆	+ Cs	14500	Stockdale,	79
Ions		14319	Dolder,	77
- -		10378	Panov,	76
		14060	Jensen,	78
		14333	Herman,	77
		14390	Muller,	77
		14886	Massey,	72
		15009	Gentry,	79
		15200	Karmohapatro,	78

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Ar ⁺¹	+ Ar	8173	Salzborn,	76
Ar ⁺²	+ Ar	8173	Salzborn,	76
H	+ H	7577	Bayfield,	75
H ⁺¹	+ H	7577	Bayfield,	75
		13651	Basu,	78
H ⁺¹	+ H ⁻	7577	Bayfield,	75
		7578	Risley,	75
		13651	Basu,	78
H ⁺¹	+ He	7577	Bayfield,	75
He ⁺¹	+ H	13651	Basu,	78
He ⁺¹	+ He	13651	Basu,	78
He ⁺²	+ H	7577	Bayfield,	75
He ⁺²	+ He	7577	Bayfield,	75
		13651	Basu,	78
- -		7577	Bayfield,	75
		8248	Moseley,	75
		10115	Moiseiwitsch,	77
		13651	Basu,	78
		14334	Los,	77
		14890	Day,	70
		15005	Bransden,	72
		15167	Baede,	75

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Ag ⁺¹	+ Ag	8302	Duman,	74
		14000	Nikitin,	78
Al ⁺¹	+ Al	8302	Duman,	74
		14000	Nikitin,	78
Ar [*]	+ SF ₆	14943	Matsuzawa,	72
Ar ⁺¹	+ Ar	7762	Hodgkinson,	76
		8302	Duman,	74

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ORIGINAL DATA

Ar ⁺¹	+	Ar	13264	Duman,	72
			13528	Johnson,	70
			14000	Nikitin,	78
			14946	Johnson,	72
			15206	Robinson,	79
Ar ⁺¹	+	Cs	7009	Ice,	75
			7064	Herrick,	75
Ar ⁺¹	+	K	7009	Ice,	75
			7064	Herrick,	75
Ar ⁺¹	+	Rb	7009	Ice,	75
			7064	Herrick,	75
Ar ⁺¹	+	D ₂	9401	Micha,	77
Ar ⁺¹	+	H ₂	9138	Hedrick,	77
			10396	Chapman,	74
Ar ⁺¹	+	N ₂	12148	Fullerton,	71
Ar ⁺¹	+	C ₂ H ₂ Cl ₂	10960	Su,	73
Ar ⁺¹	+	C ₂ H ₂ F ₂	12558	Dugan Jr.,	73
Ar ⁺¹	+	C ₆ H ₄ F ₂	10960	Su,	73
			12558	Dugan Jr.,	73
Ar ⁺⁶	+	Ar	11819	Grozdanov,	78
Ar ⁺⁶	+	He	11819	Grozdanov,	78
			14683	Opradolce,	79
Ar ⁺⁷	+	Ar	11819	Grozdanov,	78
Ar ⁺¹⁸	+	H	8170	Salop,	76
			9278	Bottcher,	77
As ⁺¹	+	As	8302	Duman,	74
Au ⁺¹	+	Au	8302	Duman,	74
			14000	Nikitin,	78
B ⁺¹	+	B	8302	Duman,	74
B ⁺³	+	H	11100	Olson,	78
B ⁺³	+	He	7807	Olson,	75
			9577	Shipsey,	77
B ⁺⁵	+	B ⁺⁴	9377	Zhdanov,	76
B ⁺⁵	+	H	9278	Bottcher,	77
			14254	Salop,	79
			14353	Ryufuku,	79
Ba ⁺¹	+	Ba	8302	Duman,	74
			14000	Nikitin,	78
			15231	Duman,	70
Be ⁺¹	+	Be	8302	Duman,	74
			15231	Duman,	70
Be ⁺²	+	H	13735	Penner,	72
Be ⁺³	+	He	8634	Malaviya,	73
Be ⁺⁴	+	Be ⁺³	9377	Zhdanov,	76
Be ⁺⁴	+	H	9140	Msezane,	77
			9278	Bottcher,	77
			14353	Ryufuku,	79
Be ⁺⁵	+	H	9140	Msezane,	77
Bi ⁺¹	+	Bi	8302	Duman,	74

ORIGINAL DATA

Br ⁺¹	+	Br	8302	Duman,	74
			14000	Nikitin,	78
C ⁺¹	+	C	8302	Duman,	74
			14000	Nikitin,	78
C ⁺¹	+	C*	15417	Duman,	70
C ⁺¹	+	H	14835	Steigman,	75
C ⁺¹	+	N ₂	14907	Fullerton,	72
C ⁺¹	+	O ₂	14907	Fullerton,	72
C ⁺²	+	H	14835	Steigman,	75
C ⁺²	+	He	8209	Makhdis,	76
C ⁺²	+	Ne	8209	Makhdis,	76
C ⁺³	+	H	8092	Blint,	76
C ⁺⁴	+	H	8470	Olson,	76
C ⁺⁴	+	He	9577	Shipsey,	77
C ⁺⁴	+	H ₂	8470	Olson,	76
C ⁺⁵	+	H	8470	Olson,	76
C ⁺⁶	+	C ⁺⁵	9377	Zhdanov,	76
C ⁺⁶	+	H	7806	Salop,	75
			8170	Salop,	76
			8470	Olson,	76
			9278	Bottcher,	77
			11507	Greenland,	78
			13975	Abramov,	78
			14254	Salop,	79
			14353	Ryufuku,	79
C ⁺⁶	+	H*	7806	Salop,	75
Ca ⁺¹	+	Ca	8300	Sinha,	76
			8302	Duman,	74
			14000	Nikitin,	78
			14049	Liu,	78
			15231	Duman,	70
Ca ⁺²⁰	+	H	15054	Ryufuku,	79
Cd ⁺¹	+	Cd	8302	Duman,	74
			14000	Nikitin,	78
			15231	Duman,	70
Cl ⁺¹	+	Cl	8302	Duman,	74
			14000	Nikitin,	78
Co ⁺¹	+	Co	8302	Duman,	74
Cr ⁺¹	+	Cr	8302	Duman,	74
			14000	Nikitin,	78
Cs	+	Cl	9001	Arora,	76
Cs	+	D	10809	Janev,	77
Cs	+	F	9001	Arora,	76
Cs	+	O	12051	Van Den Bos,	70
Cs	+	I ₂	14884	Van Den Bos,	74
			9618	Evers,	77

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Cs	+	I ₂	9619	Aten, 77
Cs ⁺¹	+	Cs	7268	Bardsley, 75
			7676	Montes, 75
			7762	Hodgkinson, 76
			8300	Sinha, 76
			8302	Duman, 74
			11974	Heiche, 70
			12149	Nebenzahl, 71
			13178	Dewangan, 70
			14000	Nikitin, 78
			15326	Smirnov, 71
Cs ⁺¹	+	D ⁻	11474	Janev, 78
Cs ⁺¹	+	H	11111	Bottcher, 78
Cs ⁺¹	+	H ⁻	8007	Olson, 76
			10809	Janev, 77
			11474	Janev, 78
Cs ⁺¹	+	Hg	11111	Bottcher, 78
Cs ⁺¹	+	Rb	14670	Valance, 79
Cu ⁺¹	+	Cu	8302	Duman, 74
			14000	Nikitin, 78
D	+	Cs	11474	Janev, 78
D	+	H ⁺¹	10233	Hunter, 77
D	+	K	11474	Janev, 78
D	+	Li	11474	Janev, 78
D	+	Na	11474	Janev, 78
D	+	Rb	11474	Janev, 78
D ⁺¹	+	H	13627	Msezane, 74
F ⁺¹	+	F	8302	Duman, 74
			14000	Nikitin, 78
F ⁺⁹	+	H	9278	Bottcher, 77
Fe ⁺¹	+	Fe	8302	Duman, 74
			14000	Nikitin, 78
Ga ⁺¹	+	Ga	8302	Duman, 74
Ge ⁺¹	+	Ge	8302	Duman, 74
H	+	Ar	14926	Green, 71
H	+	B ⁺⁵	10050	Harel, 77
H	+	Be ⁺⁴	10050	Harel, 77
H	+	C ⁺²	9783	Butler, 77
H	+	C ⁺³	9783	Butler, 77
H	+	C ⁺⁶	9768	Vaabben, 77
			9884	Salop, 77
H	+	Cs	8007	Olson, 76
			12759	Hiskes, 78
H	+	D ⁺¹	10233	Hunter, 77
H	+	H	13209	Janev, 71
			13684	Ritchie, 70
			13959	Olson, 79
H	+	H ⁻	13725	Mizuno, 71
H	+	H ⁺¹	9770	Hunter, 77

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H	+	H ⁺¹	9879	Glembocki, 77
			10233	Hunter, 77
H	+	He	14926	Green, 71
H	+	He ⁺²	9886	Olson, 77
H	+	Kr	14926	Green, 71
H	+	N ⁺²	9783	Butler, 77
H	+	Ne	14926	Green, 71
H	+	O ⁺⁸	10050	Harel, 77
H	+	Xe	14926	Green, 71
H ⁻	+	N ₂	10198	Risley, 77
H [.]	+	Ar	15242	Olson, 75
H [.]	+	He ⁺²	10676	Salin, 77
H [.]	+	Kr	15242	Olson, 75
H [.]	+	Ne	13699	Baragiola, 71
H [.]	+	Xe	15242	Olson, 75
H ⁺¹	+	Ar	9599	Benoit, 77
			12238	Shevelko, 78
			13577	Sidis, 72
			14926	Green, 71
			15335	Vinogradov, 71
H ⁺¹	+	Ba	14278	Morgan, 79
H ⁺¹	+	Be ⁺¹	13348	Crothers, 78
H ⁺¹	+	C ⁺¹	8882	Fujiwara, 76
H ⁺¹	+	C ⁺²	8882	Fujiwara, 76
H ⁺¹	+	C ⁺³	8882	Fujiwara, 76
H ⁺¹	+	C ⁺⁴	8882	Fujiwara, 76
H ⁺¹	+	C ⁺⁵	8882	Fujiwara, 76
H ⁺¹	+	Cd	12238	Shevelko, 78
H ⁺¹	+	Cs	7804	Valance, 75
			8007	Olson, 76
			12238	Shevelko, 78
			12256	Sidis, 78
			14288	Valance, 79
			14294	Pradel, 79
			14669	Valance, 79
			14671	Pradel, 79
			15391	Presnyakov, 71
H ⁺¹	+	D	12208	Watson, 78
			12745	Davis, 78
H ⁺¹	+	Eu	13919	Boerner, 78
H ⁺¹	+	Fe ⁺⁷	8882	Fujiwara, 76
H ⁺¹	+	Fe ⁺¹⁵	8882	Fujiwara, 76
H ⁺¹	+	Fe ⁺²³	8882	Fujiwara, 76
H ⁺¹	+	H	7161	Sil, 75
			7172	Omidvar, 75
			7802	Sil, 75
			8145	Matveenko, 76
			8302	Duman, 74
			8862	Demkov, 76

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H^{+1}	+	H	9140	Msezane, 77
9416			Storm, 76	
9639			Saha, 76	
11114			Banks, 77	
11184			Rapp, 72	
11469			Tripathy, 78	
12745			Davis, 78	
13171			Storm, 74	
13195			Rosenthal, 71	
13216			Dewangan, 73	
13222			Chen, 72	
13224			Anderson, 74	
13374			Chaudhuri, 73	
13380			Chen, 73	
13518			Gaussorgues, 75	
13522			McCarroll, 70	
13533			Cheshire, 70	
13538			McCarroll, 70	
13557			Corrigall, 71	
13627			Msezane, 74	
13659			Shakeshaft, 75	
13739			Rapp, 72	
13980			Ryufuku, 78	
14000			Nikitin, 78	
14084			Halpern, 78	
14653			Sil, 79	
14834			Ellis, 73	
14837			Knudson, 70	
15031			Crothers, 79	
15046			Maruhn-Rezwani, 79	
15050			Crothers, 79	
15077			Dose, 75	
15137			Ponce, 79	
15175			Dewangan, 70	
15425			Latypov, 73	
H^{+1}	+	H^-	13362	Roy, 73
14744			Chibisov, 78	
14896			Radtsig, 72	
15332			Radtsig, 71	
H^{+1}	+	H^*	13542	Malaviya, 70
14283			Toshima, 79	
14735			Toshima, 79	
H^{+1}	+	He	7267	Bhadra, 75
7368			Bhadra, 75	
8469			Bhadra, 76	
9282			Biswas, 77	
9599			Benoit, 77	
9638			Bhadra, 76	
10799			Crothers, 77	
13191			Ritchie, 71	
14926			Green, 71	
H^{+1}	+	K	15101	Inoue, 72
15415			Presnyakov, 74	
H^{+1}	+	Kr	9599	Benoit, 77
13375			Shakeshaft, 73	
14926			Green, 71	

H^{+1}	+	Mg	7364	Olson, 75	
14278			Morgan, 79		
15415			Presnyakov, 74		
H^{+1}	+	Mo^{+13}	8882	Fujiwara, 76	
H^{+1}	+	Mo^{+31}	8882	Fujiwara, 76	
H^{+1}	+	N	14832	Steigman, 71	
H^{+1}	+	Ne	9599	Benoit, 77	
			14926	Green, 71	
			15415	Presnyakov, 74	
H^{+1}	+	O^{+1}	8882	Fujiwara, 76	
H^{+1}	+	O^{+2}	8882	Fujiwara, 76	
H^{+1}	+	O^{+3}	8882	Fujiwara, 76	
H^{+1}	+	O^{+4}	8882	Fujiwara, 76	
H^{+1}	+	O^{+5}	8882	Fujiwara, 76	
H^{+1}	+	O^{+6}	8882	Fujiwara, 76	
H^{+1}	+	O^{+7}	8882	Fujiwara, 76	
H^{+1}	+	Xe	7812	Le Sech, 75	
			8867	Kubach, 76	
			9599	Benoit, 77	
			13197	Macek, 71	
			13359	Shakeshaft, 72	
			13375	Shakeshaft, 73	
			13566	Shakeshaft, 72	
			14926	Green, 71	
H^{+1}	+	CS	10251	Valance, 75	
15046			11326	Tully, 71	
15050			11092	Top, 77	
15077			11806	Piacentini, 78	
15137			12603	Top, 74	
15175			13547	Lin, 75	
H^{+1}	+	N_2	9268	Eliot, 77	
15332			13536	Dagnac, 70	
15332			9268	Eliot, 77	
15332			9268	Eliot, 77	
H^{+1}	+	H_2	10804	Demkov, 77	
15425			10131	Hughes, 77	
H^{+1}	+	H^{+1}	9790	Sidis, 77	
14744			7954	Sidis, 75	
14896			9139	Albat, 77	
14896			13373	Olson, 73	
14896			14675	Sidis, 79	
H^{+1}	+	D	7725	Aubert, 76	
14283			He + F ⁻	10382	Miller, 77
14735			He + H	7766	Fayeton, 76
H^{+1}	+	Li ⁺¹	7956	Fayeton, 75	
14735			13558	McCarroll, 71	
H^{+1}	+	Ar	14896	Radtsig, 72	
14735			7292	Bhattacharyya, 75	
H^{+1}	+	Cs	7762	Hodgkinson, 76	
14735					
H^{+1}	+	D			
14735					
H^{+1}	+	F ⁻			
14735					
H^{+1}	+	H			
14735					
H^{+1}	+	H ⁻			
14735					
H^{+1}	+	He			
14735					

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He^{+1}	+	He	8302	Duman, 74	K	+	I	13341	Andresen, 78
			9095	Piacentini, 77				13342	Andresen, 78
			9413	Rai Dastidar, 76	K	+	Li^{+1}	10228	Wijnendaalts, 77
			11974	Heiche, 70	K	+	Na^{+1}	10228	Wijnendaalts, 77
			12149	Nebenzahl, 71	K	+	O	12051	Van Den Bos, 70
			13404	Guerin, 74	K	+	Br_2	11793	Evers, 78
			13676	Chen, 70				12582	Havemann, 74
			14000	Nikitin, 78				14076	Moutinho, 79
			15425	Latypov, 73				15027	Havemann, 79
He^{+1}	+	K	13373	Olson, 73					
He^{+1}	+	Mg	7681	Kulander, 75	K	+	I_2	9401	Micha, 77
			13623	Kulander, 75				9618	Evers, 77
He^{+1}	+	Ne^*	13971	Tang, 78				9619	Aten, 77
He^{+1}	+	Rb	13373	Olson, 73	K	+	O_2	10827	Dalidchik, 77
He^{+1}	+	N_2	12148	Fullerton, 71	K	+	CH_3Br	6912	Ivanov, 74
He^{+1}	+	$\text{C}_2\text{H}_2\text{Cl}_2$	10960	Su, 73	K	+	CH_3I	14076	Moutinho, 79
He^{+1}	+	$\text{C}_2\text{H}_2\text{F}_2$	12558	Dugan Jr., 73	K^{+1}	+	Cs	14076	Moutinho, 79
He^{+1}	+	$\text{C}_6\text{H}_4\text{F}_2$	10960	Su, 73	K^{+1}	+	D^-	11111	Bottcher, 78
			12558	Dugan Jr., 73	K^{+1}	+	H	11474	Janev, 78
He^{+2}	+	H	9575	Piacentini, 77	K^{+1}	+		11111	Bottcher, 78
			10364	Winter, 78				13627	Msezane, 74
			10835	Winter, 77	K^{+1}	+	H^-	11474	Janev, 78
			10927	Rapp, 73	K^{+1}	+	Hg	11111	Bottcher, 78
			13606	Msezane, 73	K^{+1}	+	K	7290	Cavaliere, 75
			13622	Piacentini, 74				7762	Hodgkinson, 76
			13980	Ryufuku, 78				8300	Sinha, 76
			14684	Vaaben, 79				8302	Duman, 74
			15030	Hatton, 79				9100	Wijnendaalts, 77
He^{+2}	+	He	7176	Chen, 75				12149	Nebenzahl, 71
			9184	Chibisov, 76				13178	Dewangan, 70
			12254	Lopez, 78				14000	Nikitin, 78
			12751	Cohen, 78				14900	Dewangan, 74
			13926	Koike, 78	K^{+1}	+	Rb	11111	Bottcher, 78
			14495	Bardsley, 79				13358	Olson, 72
			15055	Rivarola, 79					
He^{+2}	+	He^{+1}	9377	Zhdanov, 76	Kr^*	+	CCl_4	14947	Matsuzawa, 72
			13347	Jognaux, 78	Kr^{+1}	+	Cs	7009	Ice, 75
			15129	Dickinson, 79				7064	Herrick, 75
He^{+2}	+	Li	13972	Shipsey, 78	Kr^{+1}	+	K	7009	Ice, 75
Hf^{+1}	+	Hf	8302	Duman, 74				7064	Herrick, 75
Hg^{+1}	+	Hg	7762	Hodgkinson, 76	Kr^{+1}	+	Kr	7762	Hodgkinson, 76
			8302	Duman, 74				8300	Sinha, 76
			12149	Nebenzahl, 71				8302	Duman, 74
			14000	Nikitin, 78				10514	Smith, 73
			15231	Duman, 70				13264	Duman, 72
I^{+1}	+	I	8302	Duman, 74				14000	Nikitin, 78
In^{+1}	+	In	8302	Duman, 74	Kr^{+1}	+	Rb	14946	Johnson, 72
			14000	Nikitin, 78					
Ir^{+1}	+	Ir	8302	Duman, 74	Kr^{+1}	+	CO	7004	Vitlina, 74
K	+	Cl	9001	Arora, 76				10514	Smith, 73
			12929	Olson, 77	Kr^{+1}	+	N_2	12148	Fullerton, 71
K	+	F	9001	Arora, 76	Kr^{+1}	+	$\text{C}_2\text{H}_2\text{Cl}_2$	10960	Su, 73

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Kr^{+1} + $\text{C}_2\text{H}_2\text{F}_2$	12558	Dugan Jr., 73	Mo^{+1} +	Mo	8302	Duman, 74
Kr^{+1} + $\text{C}_6\text{H}_4\text{F}_2$	10960	Su, 73	N^{+1} +	Ar	10782	Sidis, 77
	12558	Dugan Jr., 73	N^{+1} +	H	14832	Steigman, 71
Kr^{+3} + Ne	15243	Presnyakov, 75			15208	Constantinides, 79
Li	9513	Demkov, 76	N^{+1} +	He	10782	Sidis, 77
Li + I	6920	Faist, 75	N^{+1} +	N	8302	Duman, 74
Li* + K	11111	Bottcher, 78			9101	Capitelli, 77
Li ⁺¹ + Cs	11111	Bottcher, 78	N^{+1} +	N ⁻	14000	Nikitin, 78
Li ⁺¹ + D ⁻	11474	Janev, 78	N^{+1} +	N [*]	14896	Radtsig, 72
Li ⁺¹ + H	11111	Bottcher, 78	N^{+1} +	O	15417	Duman, 70
Li ⁺¹ + H ⁻	11474	Janev, 78	N^{+3} +	H	15208	Constantinides, 79
Li ⁺¹ + He	13215	Le Sech, 73			9378	Christensen, 77
	13430	Junker, 74			9609	Phaneuf, 77
					14517	Watson, 79
Li ⁺¹ + Hg	11111	Bottcher, 78	N^{+4} +	H	8470	Olson, 76
Li ⁺¹ + K	11111	Bottcher, 78			9609	Phaneuf, 77
	13358	Olson, 72	N^{+4} +	H ₂	8470	Olson, 76
Li ⁺¹ + Li	7268	Bardsley, 75	N^{+5} +	H	8470	Olson, 76
	7762	Hodgkinson, 76			9609	Phaneuf, 77
	8300	Sinha, 76	N^{+6} +	H	8470	Olson, 76
	8302	Duman, 74			9609	Phaneuf, 77
	9100	Wijnendts, 77	N^{+7} +	H	8170	Salop, 76
	11940	Storm, 70			8470	Olson, 76
	12494	Bottcher, 71			9278	Bottcher, 77
	13671	Perel, 70			9609	Phaneuf, 77
	13742	Dewangan, 72	N^{+7} +	N ⁺⁶	9377	Zhdanov, 76
	14000	Nikitin, 78	Na +	Cl	9001	Arora, 76
	14660	Shimakura, 79			12929	Olson, 77
	14736	Kita, 79	Na +	F	9001	Arora, 76
	14900	Dewangan, 74			6920	Faist, 75
Li ⁺¹ + Na	8159	Habit, 75	Na +	I	12051	Van Den Bos, 70
	8862	Demkov, 76			9618	Evers, 77
	9148	Dinterman, 77	Na +	O	9619	Aten, 77
	11111	Bottcher, 78	Na +	I ₂	9513	Demkov, 76
	11811	Grosser, 78			11111	Bottcher, 78
	11940	Storm, 70	Na ⁺¹		11474	Janev, 78
	13166	Melius, 72	Na ⁺¹ +	Cs	11111	Bottcher, 78
	13358	Olson, 72	Na ⁺¹ +	D ⁻	11474	Janev, 78
	13429	Melius, 74	Na ⁺¹ +	H	11111	Bottcher, 78
	13564	Bottcher, 72	Na ⁺¹ +	H ⁻	11474	Janev, 78
Li ⁺¹ + Rb	11111	Bottcher, 78	Na ⁺¹ +	He	15333	Ankudinov, 71
Li ⁺³ + H	9140	Msezane, 77	Na ⁺¹ +	Hg	11111	Bottcher, 78
	9278	Bottcher, 77			8106	Chesnavich, 76
	14353	Ryufuku, 79	Na ⁺¹ +	K	11111	Bottcher, 78
Li ⁺³ + Li ⁺²	9377	Zhdanov, 76	Na ⁺¹ +	Li	7815	Demkov, 75
Mg ⁺¹ + Mg	8302	Duman, 74			12518	Melius, 72
	12936	Pedersen, 78	Na ⁺¹ +		13166	Melius, 72
	14000	Nikitin, 78			13358	Olson, 72
	15231	Duman, 70	Na ⁺¹ +		13429	Melius, 74
Mg ⁺² + Mg	12936	Pedersen, 78			13564	Bottcher, 72
Mg ⁺¹² + H	9278	Bottcher, 77	Na ⁺¹ +		14816	Schmalz, 79
Mn ⁺¹ + Mn	8302	Duman, 74			7268	Bardsley, 75
			Na ⁺¹ +	Na		

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Na ⁺¹	+	Na	7290	Cavaliere, 75
			8300	Sinha, 76
			8302	Duman, 74
			9100	Wijnendts, 77
			12494	Bottcher, 71
			14000	Nikitin, 78
			14900	Dewangan, 74
Na ⁺¹	+	Ne	15387	Latypov, 70
Na ⁺¹	+	Rb	11111	Bottcher, 78
Nb ⁺¹	+	Nb	8302	Duman, 74
Ne ⁺¹	+	Ne	7762	Hodgkinson, 76
			8302	Duman, 74
			13264	Duman, 72
			13442	Cohen, 75
			14000	Nikitin, 78
			15087	Hackam, 72
Ne ⁺¹	+	N ₂	11192	Lowe, 72
			11193	Saban, 72
			12148	Fullerton, 71
Ne ⁺¹	+	C ₂ H ₂ Cl ₂	10960	Su, 73
Ne ⁺¹	+	C ₂ H ₂ F ₂	12558	Dugan Jr., 73
Ne ⁺¹	+	C ₆ H ₄ F ₂	10960	Su, 73
			12558	Dugan Jr., 73
Ne ⁺¹⁰	+	H	8170	Salop, 76
			9278	Bottcher, 77
			15054	Ryufuku, 79
Ni ⁺¹	+	Ni	8302	Duman, 74
O	+	Cs	15436	Van Den Bos, 73
O	+	K	15436	Van Den Bos, 73
O	+	Na	15436	Van Den Bos, 73
O	+	O ⁻	15095	Tancic, 70
O	+	Rb	15436	Van Den Bos, 73
O ⁺¹	+	H	14831	Field, 71
			15094	Brown, 72
O ⁺¹	+	O	8302	Duman, 74
			14000	Nikitin, 78
O ⁺¹	+	O ⁻	14896	Radtsig, 72
O ⁺¹	+	O [*]	15417	Duman, 70
O ⁺²	+	H	14298	Butler, 79
O ⁺²	+	He	8209	Makhdis, 76
O ⁺⁴	+	H	8470	Olson, 76
			12760	Isler, 78
O ⁺⁴	+	H ₂	8470	Olson, 76
O ⁺⁵	+	H	8470	Olson, 76
			12760	Isler, 78
O ⁺⁶	+	H	8470	Olson, 76
			12760	Isler, 78
O ⁺⁷	+	H	8470	Olson, 76
			12760	Isler, 78
O ⁺⁸	+	H	8170	Salop, 76

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O ⁺⁸	+	H	8470	Olson, 76
			9278	Bottcher, 77
			13975	Abramov, 78
			13980	Ryufuku, 78
			14254	Salop, 79
			14640	Salop, 79
O ⁺⁸	+	O ⁺	9377	Zhdanov, 76
Os ⁺¹	+	Os	8302	Duman, 74
P ⁺¹	+	P	8302	Duman, 74
			14000	Nikitin, 78
Pb ⁺¹	+	Pb	8302	Duman, 74
			14000	Nikitin, 78
Po ⁺¹	+	Po	8302	Duman, 74
Pt ⁺¹	+	Pt	8302	Duman, 74
Rb	+	Cl	9001	Arora, 76
Rb	+	F	9001	Arora, 76
Rb	+	O	12051	Van Den Bos, 76
Rb ⁺¹	+	Cs	11111	Bottcher, 78
Rb ⁺¹	+	D ⁻	11474	Janev, 78
Rb ⁺¹	+	H	11111	Bottcher, 78
Rb ⁺¹	+	H ⁻	11474	Janev, 78
Rb ⁺¹	+	Hg	11111	Bottcher, 78
Rb ⁺¹	+	K	13358	Olson, 72
Rb ⁺¹	+	Rb	7268	Bardsley, 75
			7676	Montes, 75
			7762	Hodgkinson, 76
			8300	Sinha, 76
			8302	Duman, 74
			14764	Ferrante, 79
Re ⁺¹	+	Re	8302	Duman, 74
Rh ⁺¹	+	Rh	8302	Duman, 74
Ru ⁺¹	+	Ru	8302	Duman, 74
S ⁺¹	+	S	8302	Duman, 74
			14000	Nikitin, 78
S ⁺¹⁶	+	H	9278	Bottcher, 77
Sb ⁺¹	+	Sb	8302	Duman, 74
Sc ⁺¹	+	Sc	8302	Duman, 74
Se ⁺¹	+	Se	8302	Duman, 74
Si ⁺¹	+	Si	8302	Duman, 74
			14000	Nikitin, 78
Si ⁺²	+	H	8843	McCarroll, 76
Si ⁺¹⁴	+	H	8170	Salop, 76
			9278	Bottcher, 77
			15054	Ryufuku, 79
Sn ⁺¹	+	Sn	8302	Duman, 74
Sr ⁺¹	+	Sr	8302	Duman, 74
			15231	Duman, 70
T ⁺¹	+	T	15425	Latypov, 73

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Ta ⁺¹	+	Ta	8302	Duman, 74
Te ⁺¹	+	Te	8302	Duman, 74
Ti ⁺¹	+	Ti	8302	Duman, 74
Tl ⁺¹	+	Tl	8302	Duman, 74
			14000	Nikitin, 78
U ⁺¹	+	U	8300	Sinha, 76
V ⁺¹	+	V	8302	Duman, 74
W ⁺¹	+	W	8302	Duman, 74
Xe ⁺¹	+	Cs	7009	Ice, 75
			7064	Herrick, 75
Xe ⁺¹	+	K	7009	Ice, 75
			7064	Herrick, 75
Xe ⁺¹	+	Rb	7009	Ice, 75
			7064	Herrick, 75
Xe ⁺¹	+	Xe	7762	Hodgkinson, 76
			8300	Sinha, 76
			8302	Duman, 74
			13264	Duman, 72
			14000	Nikitin, 78
			14946	Johnson, 72
Xe ⁺¹	+	C ₂ H ₂ Cl ₂	10960	Su, 73
Xe ⁺¹	+	C ₆ H ₄ F ₂	10960	Su, 73
Y ⁺¹	+	Y	8302	Duman, 74
Zn ⁺¹	+	Zn	8302	Duman, 74
			15231	Duman, 70
Zr ⁺¹	+	Zr	8302	Duman, 74
Br ₂	+	K	8851	Yuan, 76
CO ⁺¹	+	Kr	10514	Smith, 73
CO ⁺¹	+	CO	7286	McCann, 75
			10317	Cosby, 74
			10514	Smith, 73
			10880	Flannery, 73
			12594	Flannery, 74
			14711	Evseev, 79
			15325	Bylkin, 71
D ₂ ⁺¹	+	H	10576	Preston, 73
D ₂ ⁺¹	+	D ₂	6985	Moran, 75
			7905	Stocker, 74
			10301	Stocker, 74
DT ⁺¹	+	DT	8824	Moran, 76
HD ⁺¹	+	HD	8824	Moran, 76
H ₂ ⁺¹	+	H ₂	6717	Flannery, 75
			6985	Moran, 75
			7286	McCann, 75
			7905	Stocker, 74
			14711	Evseev, 79
			15325	Bylkin, 71
H ₂ ⁺¹	+	H ₂ O	13536	Dagnac, 70
HT ⁺¹	+	HT	8824	Moran, 76
I ₂	+	Cs	9611	Aten, 77

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I ₂	+	K	8851	Yuan, 76
			9611	Aten, 77
I ₂	+	Na	9611	Aten, 77
N ₂ ⁺¹	+	N ₂	7286	McCann, 75
			10880	Flannery, 73
			12594	Flannery, 74
			14711	Evseev, 79
			15325	Bylkin, 71
NO	+	I ⁻	11349	Chantry, 71
NO ⁺¹	+	NO	7286	McCann, 75
			10318	Moran, 74
			12594	Flannery, 74
			15325	Bylkin, 71
OH ⁺¹	+	OH	15325	Bylkin, 71
O ₂	+	H ⁻	12481	Levine, 71
O ₂	+	I ⁻	11349	Chantry, 71
O ₂	+	O ⁻	11349	Chantry, 71
			11357	Woo, 71
			14912	Rebentrost, 73
O ₂ ⁺¹	+	O ₂	7286	McCann, 75
			10318	Moran, 74
			12594	Flannery, 74
			14711	Evseev, 79
			15325	Bylkin, 71
T ₂ ⁺¹	+	T ₂	8131	Flannery, 76
			8824	Moran, 76
H ₃ ⁺¹	+	H ₂ O	13536	Dagnac, 70
C ₂ H ₂	+	H ⁻	15118	Su, 78
CH ₃ OH	+	H ⁺¹	9814	Mach, 77
CH ₃ OH	+	H ₂ ⁺¹	9814	Mach, 77
CH ₃ OH	+	H ₃ ⁺¹	9814	Mach, 77
		H	15113	Greenland, 78
		H ⁻	10804	Demkov, 77
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C ⁺²	+	He	7013	Steigman, 75
H	+	O ⁺⁸	13059	Abramov, 78
H			14685	Duman, 79
H*			15322	Vitilina, 70
H ⁺¹	+	D	12218	Thorson, 78
H ⁺¹	+	H	10852	Obedkov, 77
			10856	Crothers, 77
			13236	Dewangan, 75
			13661	Anderson, 75
			14255	Chatterjee, 78
			14877	Dubrovskii, 75
			15263	Das, 72
H ⁺¹	+	He	10324	Alvarez-Rizzatti, 75
H ⁺¹	+	C ₂ H ₄	7708	Benoit, 75
He ⁺¹	+	He	15035	Rai Dastidar, 79

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He ⁺²	+	Hg	10819	Niehaus,	77
Li ⁺¹	+	He	10324	Alvarez-Rizzatti,	75
N ⁺²	+	H	15127	Butler,	79
N ⁺³	+	H	15127	Butler,	79
Ne ⁺²	+	H	14298	Butler,	79
CO ⁺¹	+	CO	8997	Flannery,	76
H ₂ ⁺¹	+	H ₂	9137	Moran,	77
N ₂ ⁺¹	+	N ₂	8997	Flannery,	76
NO ⁺¹	+	NO	8997	Flannery,	76
O ₂	+	O ⁻	4947	Wagner,	71
O ₂ ⁺¹	+	O ₂	8997	Flannery,	76
- -			6977	Matsuzawa,	75
			7058	Steigman,	75
			7203	Bass,	75
			7268	Bardsley,	75
			7718	Aquilanti,	75
			8019	Macek,	71
			8433	Pradhan,	76
			8930	Tyufuku,	76
			9166	Shipsey,	77
			9549	McCarroll,	74
			9602	Msezane,	77
			9796	Dappen,	77
			9920	Briggs,	77
			10998	Schmidt,	73
			11121	Shipsey,	78
			11209	Storm,	72
			11386	Leventhal,	71
			11484	Shakeshaft,	78
			11820	Arora,	78
			12206	Dalgarno,	78
			13210	Coleman,	72
			13211	Urata,	72
			13254	Bylkin,	70
			13280	Mikhailov,	73
			13387	Mittleman,	73
			13517	Flannery,	70
			13597	Tai,	73
			13598	Duren,	73
			13609	Gallaher,	74
			13958	Crothers,	79
			14321	Presnyakov,	77
			14356	Light,	79
			14682	Presnyakov,	79
			14816	Schmalz,	79
			14821	Olson,	71
			14865	Band,	75
			14886	Massey,	72
			15008	Weglein,	79
			15040	Duman,	79
			15124	Spruch,	78
			15214	Chibisov,	79
			15255	Horwitz,	73
			15347	Vitlina,	73

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- -			15363	Bandrauk,	72
			15412	Brandus,	71
	H		15037	Duman,	79
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Ar	+	Ar	15012	Vehmeyer,	79
Ar	+	Kr	15012	Vehmeyer,	79
Ar	+	Ne	15012	Vehmeyer,	79
Ar	+	CsI	11148	Loesch,	72
Ar	+	N ₂	12124	Anlauf,	71
Ar	+	H ₂ O	13238	Bickes Jr.,	74
Ar	+	C ₂ H ₂	7371	Nenner,	75
Ar	+	CH ₄	7371	Nenner,	75
Ar	+	C ₂ H ₄	7371	Nenner,	75
Ar	+	C ₃ H ₄	7371	Nenner,	75
Ar	+	C ₂ H ₆	7371	Nenner,	75
Ar	+	C ₃ H ₆	7371	Nenner,	75
Ar	+	C ₃ H ₈	7371	Nenner,	75
Ar ⁺¹	+	N ₂	7192	Fernandez,	75
Ar ⁺¹	+	NH ₃	13519	Bolden,	70
Ca ⁺	+	Na	15171	Steudel,	70
D	+	Ar	7922	Cantini,	75
H	+	Ar	7922	Cantini,	75
H ⁺¹	+	C ₅ H ₆ N	11029	Doering,	72
He	+	Ar	7919	Grace,	75
He	+	He	5870	Gabriel,	58
He	+	Ne	7919	Grace,	75
He	+	HD	7742	Lang,	76
He [*]	+	N	14327	Haberland,	77
He [*]			14325	Gillen,	77
He ⁺¹	+	Ar	13519	Bolden,	70
He ⁺¹	+	He	7430	De Rijk,	74
He ⁺¹	+	Kr	13519	Bolden,	70
He ⁺¹	+	Pb	12861	Zartner,	78
He ⁺¹	+	Xe	13519	Bolden,	70
He ⁺¹	+	CO	13519	Bolden,	70
He ⁺¹	+	H ₂	13519	Bolden,	70
He ⁺¹	+	N ₂	7192	Fernandez,	75
			13519	Bolden,	70
He ⁺¹	+	NO	13519	Bolden,	70
He ⁺¹	+	O ₂	13519	Bolden,	70
He ⁺¹	+	CO ₂	13519	Bolden,	70
He ⁺¹	+	NH ₃	13519	Bolden,	70
He ⁺¹	+	CH ₄	13519	Bolden,	70
He ⁺¹	+	C ₅ H ₆ N	11029	Doering,	72

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He ⁺²	+	N ₂	12227	Rogers, 78
Hg ⁺	+	He	12880	Lukaszewski, 78
Hg ⁺	+	Xe	12880	Lukaszewski, 78
K ⁺	+	K	15449	Geittner, 74
K ⁺¹	+	Ar	10911	Powers, 73
K ⁺¹	+	He	7921	Gislason, 75
			10911	Powers, 73
K ⁺¹	+	Kr	10911	Powers, 73
K ⁺¹	+	Ne	10911	Powers, 73
K ⁺¹	+	Xe	10911	Powers, 73
Kr	+	Ar	15012	Vehmeyer, 79
Kr	+	Ne	15012	Vehmeyer, 79
Li ⁺	+	CO	10985	Dehmer, 73
Li ⁺	+	D ₂	10985	Dehmer, 73
Li ⁺	+	N ₂	10985	Dehmer, 73
Li ⁺	+	CO ₂	10985	Dehmer, 73
Li ⁺	+	CH ₄	10985	Dehmer, 73
Li ⁺	+	SF ₆	10985	Dehmer, 73
Na ⁺	+	He	14814	Mossberg, 79
Na ⁺	+	Rb	12871	loli, 78
Na ⁺	+	CO	13998	Ray, 79
Na ⁺	+	NO	13998	Ray, 79
Na ⁺	+	CO ₂	13998	Ray, 79
Na ⁺	+	CH ₄	13998	Ray, 79
Na ⁺	+	C ₂ H ₄	13998	Ray, 79
Na ⁺	+	Hg	12224	Duren, 78
			14326	Duren, 77
Na ⁺¹	+	Ar	10911	Powers, 73
Na ⁺¹	+	He	10911	Powers, 73
Na ⁺¹	+	Kr	10911	Powers, 73
Na ⁺¹	+	Ne	10911	Powers, 73
Na ⁺¹	+	Xe	10911	Powers, 73
Ne ⁺	+	Ar	15012	Vehmeyer, 79
Ne ⁺	+	Kr	15012	Vehmeyer, 79
Ne ⁺	+	H ₂ O	7918	Rulis, 75
			13238	Bickes Jr., 74
Ne ⁺	+	Ne ⁺	15203	Demidov, 78
Ne ⁺	+		14325	Gillen, 77
Ne ⁺¹	+	D ₂	11180	Mahan, 72
			12865	Andersen, 78
Ne ⁺¹	+	H ₂	11180	Mahan, 72
Ne ⁺¹	+	O ₂	13519	Bolden, 70
O ⁺	+	O ₃	12139	London, 71
O ⁺¹	+	D ₂	12564	Gillen, 73
O ⁺¹	+	HD	12564	Gillen, 73

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-	O ⁺¹	+	H ₂	12564	Gillen, 73
-	Ar ₂	+	Ar	15012	Vehmeyer, 79
-	Ar ₂	+	Kr	15012	Vehmeyer, 79
-	Ar ₂	+	Ne	15012	Vehmeyer, 79
-	CN	+	Ar	10928	Luk, 73
-	CN	+	He	10928	Luk, 73
-	CN	+	CO	10928	Luk, 73
-	CN	+	D ₂	10928	Luk, 73
-	CN	+	H ₂	10928	Luk, 73
-	CN	+	N ₂	10928	Luk, 73
-	CN	+	O ₂	10928	Luk, 73
-	CN	+	CF ₄	10928	Luk, 73
-	CN	+	CH ₄	10928	Luk, 73
-	CO	+	Ar	12863	Carlson, 78
-	CO	+	He	12863	Carlson, 78
-	CO	+	CO	12863	Carlson, 78
-	CO*	+	CO	12151	Calo, 71
-	CsF	+	Ar	15111	McGinnis, 78
-	CsI	+	Ar	9231	Greene, 77
-	CsI	+	Xe	9231	Greene, 77
-	D ₂	+	He	7742	Lang, 76
-	HF	+	HF	14363	Koura, 78
-	H ₂	+	Ar	7693	Moerkerken, 75
-	H ₂	+	Kr	7693	Moerkerken, 75
-	H ₂	+	Ne	15169	Valignat, 70
-	H ₂	+	Xe	7693	Moerkerken, 75
-	H ₂	+	N ₂	7693	Moerkerken, 75
-	H ₂	+	CO ₂	7693	Moerkerken, 75
-	H ₂	+	H ₂ O	13238	Bickes Jr., 74
-	H ₂	+	SF ₆	7693	Moerkerken, 75
-	H ₂	+		14331	Reuss, 77
-	KBr	+	Ar	15111	McGinnis, 78
-	KBr	+	CH ₃ OH	11149	Donohue, 72
-	Kr ₂	+	Ar	15012	Vehmeyer, 79
-	Kr ₂	+	Ne	15012	Vehmeyer, 79
-	LiF	+	Ar	11933	Richman, 70
-	LiF	+	He	12858	Menotti, 78
-	LiF	+	Kr	11933	Richman, 70
-	LiF	+	Ne	12858	Menotti, 78
-	LiF	+	Xe	12858	Menotti, 78
-	LiF	+	N ₂	11933	Richman, 70
-	N ₂	+	N ₂	10995	Millet, 73

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N ₂ ⁺	+	O ₂	10995	Millet, 73
N ₂ ⁺¹	+	N ₂	10914	Buttrill Jr., 73
NO			14331	Reuss, 77
Ne ₂	+	Ar	15012	Vehmeyer, 79
Ne ₂	+	Kr	15012	Vehmeyer, 79
O ₂	+	O ₂	10567	Morrow, 73
CO ₂	+	CO ₂	12195	Agam, 78
CO ₂ ⁺	+	CO ₂	12151	Calo, 71
H ₂ O	+	H ₂ O	10922	Snow, 73
			13238	Bickes Jr., 74
NO ₂	+	NO ₂	10256	Haas, 75
CH ₂ F ⁺¹	+	CH ₃ F	10914	Buttrill Jr., 73
D ₂ CO	+	Ar	10978	Yeung, 73
D ₂ CO	+	He	10978	Yeung, 73
D ₂ CO	+	Ne	10978	Yeung, 73
D ₂ CO	+	Xe	10978	Yeung, 73
D ₂ CO	+	D ₂ CO	10978	Yeung, 73
HDCO	+	HDCO	10978	Yeung, 73
H ₂ CO	+	H ₂ CO	10978	Yeung, 73
H ₃ S ⁺¹	+	H ₂ S	10914	Buttrill Jr., 73
NH ₃	+	NH ₃	8227	Kano, 76
NH ₃	+	NH ₃	11261	Lemaire, 78
CH ₅ ⁺¹	+	CH ₄	10914	Buttrill Jr., 73
C ₂ H ₄ Cl ₂	+	Ar	11167	Setser, 72
C ₂ H ₄ Cl ₂	+	Kr	11167	Setser, 72
C ₂ H ₄ Cl ₂	+	Xe	11167	Setser, 72
C ₂ H ₄ Cl ₂	+	SF ₆	11167	Setser, 72
- -			7999	Manus, 76
			8168	Bernstein, 75
			10333	Russ, 75
			12056	McDaniel, 70
			12567	Cooks, 73
			13648	Raczyński, 78
			13729	Cohen, 71
			14324	Champion, 77
			15009	Gentry, 79
			15285	Sauers, 74
			15313	Pauly, 73

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Ar	+	Ar	15012	Vehmeyer, 79
			15206	Robinson, 79
Ar	+	Kr	15012	Vehmeyer, 79
Ar	+	Ne	15012	Vehmeyer, 79
Ar	+	TlF	12083	Van De Ree, 71
			12121	Van De Ree, 71
Ar	+	D ₂ O	15119	Stace, 78
C ⁺¹	+	H ₂	10881	Mahan, 73

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D	+	Hg	7220	Stwalley, 75
F	+	H ₂	12007	Schnabel, 78
H	+	D	10684	Harel, 77
H	+	H	10684	Harel, 77
			13590	Harberger, 73
H	+	Hg	7220	Stwalley, 75
			7924	Stwalley, 75
H	+	T	10684	Harel, 77
H ⁺¹	+	H	13590	Harberger, 73
He	+	CO	10212	Ewing, 77
He	+	He	7924	Stwalley, 75
He ⁺¹	+	H	12252	Falcon, 78
K	+	Br ₂	11502	Evers, 78
Kr	+	Ar	15012	Vehmeyer, 79
Kr	+	Kr	15206	Robinson, 79
Kr	+	Ne	15012	Vehmeyer, 79
Li ⁺¹	+	CO	14051	Eastes, 79
Li ⁺¹	+	N ₂	14051	Eastes, 79
Li ⁺¹	+	CO ₂	14051	Eastes, 79
Li ⁺¹	+	N ₂ O	14051	Eastes, 79
Na	+	He	7700	Wilson, 75
Na	+	CO	13998	Ray, 79
Na	+	NO	13998	Ray, 79
Na	+	Na ₂	8116	Gelb, 76
Na	+	CO ₂	13998	Ray, 79
Na	+	CH ₄	13998	Ray, 79
Na	+	C ₂ H ₄	13998	Ray, 79
Na	+	He	12980	Hickman, 78
Na	+	Hg	12224	Duren, 78
Na ⁺¹	+	Ne	7732	Tolk, 75
Ne	+	Ar	15012	Vehmeyer, 79
Ne	+	Kr	15012	Vehmeyer, 79
O ⁺¹	+	D ₂	10890	Gillen, 73
O ⁺¹	+	HD	10890	Gillen, 73
O ⁺¹	+	N ₂	14930	Van Zandt, 7
T	+	HT	12614	Wright, 75
Xe	+	Xe	15206	Robinson, 79
Ar ₂	+	Ar	15012	Vehmeyer, 79
Ar ₂	+	Kr	15012	Vehmeyer, 79
Ar ₂	+	Ne	15012	Vehmeyer, 79
Br ₂	+	Ar ₂	13013	Freasier, 78
CO	+	He	10322	Monchick, 75
CsCl	+	SbCl ₃	8002	Gislason, 76
H ₂	+	He	12186	Schatz, 78
H ₂			10860	Micha, 77

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Kr ₂	+	Ar	15012	Vehmeyer, 79
Kr ₂	+	Ne	15012	Vehmeyer, 79
N ₂	+	CO ₂	13984	Billing, 78
N ₂	+	NH ₃	11333	Shane, 71
Ne ₂	+	Ar	15012	Vehmeyer, 79
Ne ₂	+	Kr	15012	Vehmeyer, 79
CO ₂	+	He	12618	Kistemaker, 75
CO ₂	+	Kr	12186	Schatz, 78
CO ₂	+	Xe	12618	Kistemaker, 75
H ₂ O	+	Ar	11321	Stace, 78
H ₂ O	+	H ₂ O	14938	Rai Dastidar, 71
O ₃	+	Ar	11321	Stace, 78
O ₃	+	He	11321	Stace, 78
O ₃	+	Xe	11321	Stace, 78
NH ₃	+	H ₂ O	14938	Rai Dastidar, 71
C ₂ D ₄ Cl ₂	+	He	11166	Setser, 72
C ₂ D ₄ Cl ₂	+	Ne	11166	Setser, 72
C ₂ D ₄ Cl ₂	+	CO	11166	Setser, 72
C ₂ D ₄ Cl ₂	+	CD ₃ Cl	11166	Setser, 72
C ₂ H ₄ Cl ₂	+	He	11166	Setser, 72
C ₂ H ₄ Cl ₂	+	Ne	11166	Setser, 72
C ₂ H ₄ Cl ₂	+	CO	11166	Setser, 72
C ₂ H ₄ Cl ₂	+	CH ₃ Cl	11166	Setser, 72
Molecules			15364	Connor, 73
			15366	Connor, 73
			15451	Nikitin, 74
- -			4433	Kim, 71
			5790	Percival, 73
			6502	Gerjuoy, 74
			7231	Coombe, 75
			7300	Garrett, 75
			7670	Micha, 75
			7754	Payne, 76
			7756	Strelakov, 75
			7916	Flannery, 75
			8002	Gislason, 76
			8168	Bernstein, 75
			8188	Davies, 76
			9031	Bernstein, 76
			9035	Bransden, 72
			9150	Shimoni, 77
			9157	Heller, 77
			9158	Alexander, 77
			9159	Ficocelli Varracc, 77
			9160	Micha, 77
			9161	Parker, 77
			9165	Dinterman, 77
			9310	Ficocelli Varracc, 77
			9567	Biolsi, 76
			9603	Wong, 77

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- -			9604	Eu, 77
			9646	McGuire, 77
			9797	Strek, 77
			9800	Augustin, 77
			9918	Piacentini, 77
			9919	Lin, 77
			9923	Melieres-Marechal, 77
			9925	Truhlar, 77
			9927	Khare, 77
			10115	Moiseiwitsch, 77
			10151	Sayasov, 77
			10152	Hansel, 77
			10206	Alhassid, 77
			10236	Buck, 77
			10240	Ficocelli Varracc, 77
			10323	Rabitz, 75
			10325	Sharma, 75
			10326	Cady, 75
			10327	Riera, 75
			10328	Fisanick-Englot, 75
			10336	Kreek, 74
			10341	Hunter, 74
			10343	Conn, 74
			10345	Hunter, 74
			10346	Hunter, 74
			10348	Kreek, 74
			10349	Pai, 74
			10350	Lin, 74
			10386	Duff, 77
			10437	Shipsey, 74
			10580	Snider, 73
			10582	McCourt, 73
			10861	Micha, 77
			10895	Adams, 73
			10897	Eu, 73
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COLLISIONS IN A RAD. FIELD EXPERIMENTAL

Al ⁺¹² +	Al	12927	Beigman, 76
Ar +	Ar	11844	Barocchi, 78
		12874	Frommhold, 78
		13190	Gersten, 70
Ba +	Ar	14658	Ueda, 79
Ba +	Kr	14641	Fujimoto, 79
		14658	Ueda, 79
Ba +	Xe	14658	Ueda, 79
Ba +	Ba	12937	White, 78
Ca +	Sr	9430	Falcone, 77
Ca ⁺¹ +	Sr	14531	Green, 79
Cs +	Ar	9441	Su, 76
Cs +	He	9441	Su, 76
Eu +	Sr	12882	Cahuzac, 78
He +	He	12938	Barocchi, 78
He +	Kr	11195	Bar-Ziv, 72
He +	Ne	9436	Siebeneck, 76
He +	Xe	11195	Bar-Ziv, 72
He +	N ₂	11196	Bar-Ziv, 72
He +	CO ₂	11196	Bar-Ziv, 72
He +	C ₂ H ₂	11196	Bar-Ziv, 72
He +	CH ₄	11196	Bar-Ziv, 72
Kr +	Kr	12873	Frommhold, 78
		13190	Gersten, 70
Li +	Li	11485	Hellfeld, 78
Mg ⁺¹¹ +	Mg	12927	Beigman, 76
Na +	Na	12222	Eichhorn, 78
Na +	Na	8279	Lucatorto, 76
Ne +	He	13943	Kaniewska, 78
Ne +	Ne	9436	Siebeneck, 76
		13943	Kaniewska, 78
P ⁺¹⁴ +	P	12927	Beigman, 76
Si ⁺¹⁵ +	Si	12927	Beigman, 76
Sr +	Ar	9434	Carlsten, 77

COLLISIONS IN A RAD. FIELD EXPERIMENTAL

Sr +	Ar	13477	Szoke, 78
Sr +	Ca	14365	Green, 79
Tl +	Ar	11517	Raymer, 77
Xe +	Xe	12873	Frommhold, 78
N ₂ +	N ₂	11398	Sheng, 71
CO ₂ +	He	8994	Burak, 76
CO ₂ +	CO ₂	11383	Ho, 71
		11384	Birnbaum, 71
CF ₄ +	CF ₄	10469	Barocchi, 77
CH ₄ +	CH ₄	7069	Barocchi, 75
		10469	Barocchi, 77
- -		12081	Bar-Ziv, 71
		14638	Winn, 78

COLLISIONS IN A RAD. FIELD THEORETICAL

Ar +	Ar	12632	Shin, 75
Ar +	Ar	13190	Gersten, 70
		13707	McTague, 71
Br +	H ₂	9431	Yuan, 77
		9432	Zimmerman, 77
		9438	George, 77
Cs +	Cs	12761	Ostroukhova, 77
Cs +	Ne	9929	Bonch-Bruevich, 76
Eu +	Sr	12768	Harris, 77
F +	Xe	11514	De Vries, 78
F +	H ₂	14529	Yuan, 79
H ⁺ +	Ar	12201	Bellum, 78
H ⁺¹ +	H	14757	Ferrante, 79
He +	Ar	11199	Miller, 72
		13445	Sharma, 75
He +	Ne	12596	Sharma, 74
K +	K	12761	Ostroukhova, 77
Kr +	Kr	13190	Gersten, 70
		13707	McTague, 71
Li +	H	12292	Lau, 77
Li +	Li	13920	Shlyapnikov, 78
Na +	Kr	14272	Czuchaj, 79
Na +	Na	9928	Geltman, 77
		12761	Ostroukhova, 77
Rb +	Cs	15194	Goodzenko, 74
Rb +	Ne	9929	Bonch-Bruevich, 76
Rb +	Rb	9929	Bonch-Bruevich, 76
		12761	Ostroukhova, 77
Sr +	Ar	12975	Light, 78
Sr +	Ca	9006	Geltman, 76
		12768	Harris, 77
Xe +	Xe	13707	McTague, 71
CO ₂ +	He	8994	Burak, 76

COLLISIONS IN A RAD. FIELD THEORETICAL

CO ₂	+	CO ₂	11383	Ho, 71
CH ₄	+	CH ₄	12028	Ozier, 70
- -			7612	Oraevskii, 75
			8220	Vetchinkin, 76
			9429	Knight, 77
			9433	Milonni, 77
			9435	Nienhuis, 77
			9439	Knight, 77
			9440	Copeland, 77
			9644	Lau, 77
			9645	Umanskii, 76
			9736	Akulina, 76
			10157	Gallagher, 77
			10373	Bellum, 78
			10383	Nienhuis, 77
			10471	Acharya, 77
			10584	Stone, 73
			10585	Goodman, 73
			10701	Lau, 77
			10703	Light, 77
			11300	Balucani, 78
			11379	Gray, 71
			11396	Freedhoff, 71
			11817	Berard, 78
			11921	Brandi, 78
			12243	Lee, 78
			12251	De Vries, 78
			12296	Copeland, 77
			12297	Payne, 77
			12298	Lam, 77
			12604	Weiss, 73
			12611	Lewis, 74
			12743	Mohan, 78
			12935	De Vries, 78
			12942	Copeland, 78
			12983	Bulanin, 78
			13001	Nayfeh, 78
			13139	Cooper, 78
			13189	Chang, 70
			13291	Matskevich, 74
			13447	Lewis, 70
			13485	Zhukova, 78
			13646	Bonch-Bruevich, 78
			13668	Watson, 70
			13679	Mollow, 70
			14040	Vartanyan, 78
			14045	Ferrante, 78
			14057	Nienhuis, 78
			14187	Cavaliere, 79
			14295	Robinson, 79
			14514	Lee, 79
			14533	Yeh, 79
			14747	Medvedev, 79
			14790	Mohan, 79
			14803	Yeh, 79
			14843	Brenner, 71
			14891	Kuhlke, 75

COLLISIONS IN A RAD. FIELD THEORETICAL

- -		15018	Payne, 79
		15042	Zhukova, 79
		15215	Andreev, 79
		15290	Fleming, 74
		15341	Gudzenko, 72
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han, J. M.	15118					Broida, H. P.	5565	5885	8833	8841	9203
	8840	9196	9209	9385	10891		10488	11011	12033	12095	12101
	11901	14248	14256	14785			12105	12141	13692	14969	
l, M. J.	7243					Brom Jr., J. M.	11657				
skii, K. K.	12205					Brophy, J. H.	15121				
, L. H.	10133					Brossel, J.	7240	11046			
,	11796					Brouillard, F.	9146	9795	10675	10678	10810
,	11896						10836	13347	14005	14364	14722
nwaite, M.	8324	8426	8427	8485	9067	Brouillaud, B.	9631	10663			
	9420					Brown, A.	8509	15152	15291		
li, H. S.	11921					Brown, H. L.	12066				
lon, F. L.	10365					Brown, N. J.	10439	11406			
lt, D.	14530	15155				Brown, R. D. H.	6656	7159	8088	8360	14424
lt, M. A.	9990						14425				
lus, L.	15412					Brown, R. L.	12062	14833	15094		
en, E.	14825					Brown, S. R.	10406	11066			
den, B. H.	9035	15005				Brown, T. J.	11920	11922			
ears, H. C.	9409	9766	12972			Browne, J. C.	6965	7264	7763	7807	8007
C. A.	12020	12060	14992				8162	9577	11100	13391	13392
	5885	6241	6336	7189	11968	Browning, R.	13430	13972			
	12067					Bruev, A. S.	13232	13531	13608		
A. B.	7020					Brumer, P.	12862	15355			
A. V.	7192	7946	9579			Brunet, H.	9603	10386	12602		
C. W.	10365					Brunner, T. A.	5425	6654	10102	10995	
K. N. C.	11039	13544				Brunner, W.	12762	14065	14265	14773	
signac, C.	11821					Brus, L. E.	14643				
signac, P.	7645	10362	13149			Brutschy, B.	5765	10387	12036		
lenridge, W. H.	6446	7191	8832	8837	11944	Brutto, P.	9383				
	14054	14231	14277	14536		Buchwald, M. I.	12945				
	5620					Buck, U.	6641	15302			
nan-Reisler, H.	6984	10879	12593	13408	14911	Buckel, W.	8386	9205	10236	14199	14539
n, B.	11759					Budenholzer, F. E.	10148				
nen, W.	11333	12592	14770			Budzynski, T. L.	7921				
her, S. L.	14843					Buess, G.	7692				
ot, J. C.	7627	7679	7763	7954	9791		11508				

Bugrim, E. D.	5758	6660	8242		Carion, A.	10397				
Bukstich, V. S.	15354				Carleton, N. P.	4428				
Bulanin, M. O.	12983				Carlone, C.	11968				
Bulthuis, K.	10993	12512	12557	15184	Carlson, C. E.	12521				
Bulyshev, A. E.	15063				Carlson, H. C.	9141				
Bunker, D. L.	10874				Carlson, L. A.	11132				
Burak, I.	5409	5419	8994	10560	Carlson, T. A.	12863	15052	15201		
	12195	14920			Carlsten, J. L.	9434	11517			
Burde, D. H.	6630	7182	7726		Carmona, R.	14270				
Burdett, N. A.	11246	14039			Carr Jr., R. W.	11954				
Burgos, A.	11926				Carr, T. W.	10142				
Burke, J. M.	10254				Carrington, C. G.	13554	13571	13585		
Burnham, R.	6477	11805	13479		Carrington, T.	7646	8906	10884	11968	
Burniaux, M.	9795	10675			Carroll, M. A.	12971				
Burns, D. J.	8821				Carter, G. M.	13694				
Burns, G.	10926	11161			Carter, R.	10132				
Burtsev, A. P.	9098				Cartwright, D. C.	6330	12423			
Bush, Y. A.	10979	10980			Casassa, M. P.	14538				
Butcher, R. J.	6487				Casavecchia, P.	7987	8993	9410	10808	111
Butherus, T. F.	10393					14642				
Butler, S. E.	9783	12206	14298	15127	Cashin, K. D.	15138				
Butterfield, K. B.	11915				Casleton, K. H.	7655				
Buttler, W.	10148				Cassidy, J. C.	11296				
Buttrill Jr., S. E.	10914				Castleton, K. H.	6533				
Bydin, Yu. F.	7938	8864	10806	14666	Catchen, G. L.	12184				
	15392	15401			Catherinot, A.	12878	13008	13144	13346	150
Bylkin, V. I.	13254	15325			Catlow, G. W.	13523				
Byron Jr., F. W.	5408	13184	13702	13746	Caton, R. B.	6482				
Caballero, J.	11926				Caughey, T. A.	12946	14525			
Cabello, A.	13649				Causey, J.	14534				
Cable, P. G.	13732				Cavaliere, P.	7290	7676	14187		
Caddick, J.	8487	9092	11485		Cazes, D.	12513				
Cady, W. A.	8008	10193	10326	10347	Cazzoli, G.	12854				
Cagnac, B.	6943				Center, R. E.	5566	5795	6602	11168	11
Cahen, J.	8301					11325	12060	12122	12249	13
Cahuzac, P.	12882					14823				
Cakmak, A. S.	11515				Cermak, V.	8629	8657	8760	10043	15
Caledonia, G. E.	11168	11325	12060	13220	14823	Cernosek, R. W.	10365	12221		
Callear, A. B.	8892	12425	12442	12455	15006	Chackerian Jr., C.	5618	6352		
	15295	15297	15298	15299		Chaika, M. P.	13242	13256	13267	
Calo, J. M.	12098	12147	12151		Chaikin, A. M.	15092				
Calvert, J. B.	5407				Chakroun, A.	5849	5931	6784	7068	7
Calvert, J. G.	9514	9924				8093	9764	13336	14287	
Caminati, W.	12854				Chalapati Rao, Y.	6391	14807			
Campos, D.	11128				Chamoun, E.	13007				
Cannemeijer, F.	5499	6016	6337	14988	Champion, R. L.	7724	7792	7994	9100	10
Cantini, P.	7922					11424	12766	13412	14324	14
Capelle, G. A.	5565	7039	9151	11989	12095	Chan, C.	15015			
	12101	12105	13337		Chan-Tung, N.	14690				
Capitelli, M.	6319	9101	12776		Chand, P.	12743	14790			
					Chandler, T. R. D.	15258				

ang, A. M.	14301		Chevalier, P.	5856	12112
ang, C. K.	13691		Chevrenak, J. G.	10922	
ang, C.-M.	10562		Chiang, M. H.	12077	
ang, C.-N.	13189		Chibisov, M. I.	9184	14744 15214
ang, D. T.	12544		Chien, K.-R.	6533	6849 7655 12608
ang, E. S.	9916		Chigin, V. I.	15275	
ang, R. S. F.	11015	13018	Child, M. S.	8219	10101 11814 15256
anin, L. M.	13378		Chintapalli, P. S.	15138	
antepie, M.	11467		Chiu, Y.-N.	6972	11081 11332 11395
antry, P. J.	11349		Cho, U.-l.	8831	10315
aplik, A. V.	8311	15322 15356	Choi, B. H.	7060	7089 7323 7837 7993
apman Jr., F. M.	8285	10281		8991	9570 11888 11889 14086
apman, C. J.	7243			14702	
apman, G. D.	11017		Choi, C. W.	12297	
apman, S.	9750	10396 12007 12764	Chong, Y. P.	9877	13427
apusat, X.	8207	10468 11162 12607 12633	Chou, M. S.	9379	11149 12551
arneau, R.	14066	15144	Chow Chiu, L.-Y.	8903	10408
atterjee, G.	14965		Chow, K. W.	12450	
au, M.	14255		Chowdhury, M. A.	11090	
audhuri, J.	9582		Chowdhury, S. M. M.	15264	
auvin, A.	7161	7802 9639 13374	Christensen, R. B.	8092	9378 12208 14517
ebotaev, V. P.	10690		Christophorou, L.	7101	
ekalin, N. V.	13246		Chu, F. Y.	13694	
en, A.	12505		Chu, M. Y.	12467	
en, C. H.	12264		Chu, S.-I.	7088	10276 10278 14836 15262
en, C. H.	7915	8908 9584 9874 10296	Chubb, D. L.	14925	
en, F. M.	11797	12202 12223	Chupka, W. A.	9794	11347 11348
en, H.-L.	11197		Chupp, E. L.	10871	
en, M. Y.-D.	5378	5670 5926 6971 8299	Churakov, V. V.	15276	
en, M.-C.	10390	10558 10969 11041 11156	Church, M. J.	14355	
en, Y. H.	11170	11374 11375 12131 12132	Churchill, G. G.	13182	
enevier, M.	12537	14643	Cisneros, C.	10801	
eng, M. H.	13222	13380 13676 13725 13738	Claeys, W.	9146	10678 10810 10836 14005
eng, T. C.	11041			14364	14722
erenkovskii, V.	12944	14047	Claridge, R. F. C.	12430	12446
ernon, B.	7176	13159	Clark, A. P.	6857	7769 9637 10326 15446
ernysheva, N. V.	11763		Clark, I. D.	11137	15362
eron, B.	12077		Clark, J. D.	15210	
errington, B. E.	10308		Clark, J. H.	10256	14360 14625
eshire, I. M.	13242	13267 13273	Clark, K. C.	7931	10314 13376
eshnovsky, O.	13523	13533	Clark, R.	11785	
esnavich, W. J.	6445	10574	Clark, W. G.	6715	
esnokov, E. N.	7203	8106	Clarke, A. G.	10926	
eung, J. T. K.	12234	12933 15047	Clarke, J. H.	10398	11391 14869
evaleyre, J.	10834	14742	Clary, D. C.	14608	
	10462		Cleaver, J. W.	9593	10564
			Clemens, E.	10656	10775 12013 13956 14612
			Clement, M.	15170	
			Clendening, C.	7158	

Clinton, W. L.	13695					Cool, T. A.	5578	5642	5860	6276	6
Clyne, M. A. A.	6625	7285	9226	9902	11426		6522	6659	7223	8439	8
	12445	12967	14515	14751			9232	10886	11108		
Cobic, B.	10051	10800	13207	13530	13581	Coolen, F. C. M.	14393				
	14678	14679				Coombe, D. A.	7231				
Coburn, J. W.	15443					Coombe, R. D.	7164	8419	9275	12932	
Cocke, C. L.	11756	15062	15075			Cooper, C. D.	5884	7104	10415	11293	11
Cohen, A. O.	12049					Cooper, J.	13139	13585			
Cohen, A.	9904					Copeland, D. A.	9440	11296	12296	12942	
Cohen, J. B.	10907	10908				Coplan, M. A.	10284	10986	11049	12059	
Cohen, J. S.	8009	8305	9085	10672	11761	Copley, G. H.	7431				
	12488	12751	13219	13442	13728	Copley, J.	15052				
	13729	14495	15246	15269		Corney, A.	13554	13571			
Cohen, N.	5564	6434	6478	6919	7696	Corno, D.	10673	14247			
	10490	10916	11360	11367		Corr, J. L.	13629				
Cohen, R. B.	6571	7657	8660	8884	12545	Corrigall, B.	13557				
Cohen, S. C.	10302	12587				Cosby, P. C.	10317	10318	10880	11164	11
Coleman, J. P.	9035	13210					12079	12577	12594		
Coleman, M. L.	12547					Cosgrove, C. M.	13695				
Coleman, P. D.	5296	6777	10292	11372		Costello, J.	9515				
Collin, J. E.	8844					Couchouron, M.	14961				
Collins, C. B.	5406	7741	7935	8416	8987	Coughlin, J.	14813				
	9811	11188	11189	11240	11468	Coulter, D.	13925	14628			
	14105	14602	14829			Courbin-Gaussorgues, C.	14281	15029			
Collins, F. S.	8260	12584				Coveleskie, R. A.	10247	11919			
Collins, G. J.	11915	13595	14828	14830	14923	Coxon, J. A.	6625	10921	11051	11936	
	14924					Coy, S. L.	7680				
Collins, J. G.	12074					Craggs, J. D.	4920	8410	15100		
Collins, L. A.	7224	8835	11761			Cramp, J. H. W.	5965				
Collins, M. A.	8201	9568				Crandall, D. H.	7818	8162	9123	9878	10
Collins, R. J.	5645						13181	13372	13730	14250	
Coltharp, R. N.	11344					Cravens, D.	14794				
Comer, J.	13225	13432				Crawford, O. H.	12441				
Comes, F. J.	5405	5646	5854	6060	7313	Creaser, R. P.	7195	10929			
	8830	12616				Cremer, G.	7241	10465	14959	15117	
Compton, R. N.	5883	5884	7104	9296	10415	Crim, F. F.	6981	8496	9379	12551	
	10427	10830	11244	11293	11752	Crosley, D. R.	6950	9767	12946	14525	14
	11928	11943	12477	13420	14500	Cross Jr., R. J.	8260	10576	10911	11001	11
Conklin, G. M.	13568						11380	12072	12142	12429	12
Conley, R. J.	7195						13803	14489	14490		
Conn, R. W.	10149	10212	10343	13364	14246	Cross, J. B.	7797	9228			
Connor, J. N. L.	9564	11401	12585	14303	15364	Crothers, D. S. F.	10131	10799	10856	13348	13
	15366	15369					15026	15031	15050	15257	
Conrads, R. J.	10972	11150				Crow, I. G.	10564				
Constantinides, E.	15208					Crowder, L.	12151				
Conway, D. C.	10271	10399				Crowe, A.	10295				
Conway, J. G.	13448					Crowley, M. G.	12610				
Cook, G. R.	5393	5394	6279			Crowley, P.	9997	10671			
Cook, J. D.	7707	8075				Crowther, M. E.	6921				
Cook, T. B.	6405	6780	14931			Cruickshank, F. R.	15010				
Cooke, W. E.	9641	10361	11239	13012	14749	Crume, E. C.	12760				
Cooks, R. G.	7610	12567	14918								

peddu, R.	9887		Davies, C.	6681	6761	14732					
derman, J. F.	13741		Davies, D. W.	14292							
krowski, A. S.	12503	15232	15234	Davis Jr., L. I.	6521						
nningham, A. J.	7935	9777	14829	15210	Davis, C. C.	8893					
nningham, D. L.	5628	5872	6095	10314	13405	Davis, D. D.	12250	14362			
el Jr., R. F.	9441			Davis, F. J.	6661						
ry, S. M.	11470	12192		Davis, J. P.	10427						
tiss, C. F.	6963	10153	10241	10436	10581	Davis, P. K.	11063				
	10894	10975	10976	11080	11120	Davis, S. J.	12767				
	11158	11159	11371	11382	11392	Davis, S. L.	12246				
	11393	12026	12063	12088	12110	Dawson, H. R.	9122				
	14507			Dawson, P. H.	5397	13401	13441	14258			
shall, E. R.	12869	14262		Day, P.	14890						
ellier, J.	5718	7019	8430	14654	15068	De Boer, P. C. T.	13678				
stanovic, R. J.	11010	11145	12050	12102	12128	De Corpo, J. J.	15300				
	12480	13513		De Heer, F. J.	6930	7649	7790	7803	9837		
jkowski, M.	8084	12236	14068	14849	14853	De Jong, A.	11795				
	14864			De Jong, H. J.	11807	14980	14982				
achaj, E.	14272			De Mesmay, J.	14654	15068					
uchlewski, S. J.	9893			De Palmas, H.	15192						
gdigian, P. J.	9218	9236	9870	14519	14805	De Paz, M.	7922				
gnac, R.	13536	14275		De Pristo, A. E.	7173	7369	8139	8865	9107		
al, P.	14196			De Prunele, E.	9158	9218	9872	12748	14106		
aler, J. S.	7681	7952	8839	9769	10778	De Rijk, W.	14523	14528			
	10846	10864	12027	12467	13623	De Silvestri, S.	14725	15061			
	13798	14203	14740			De Temple, T. A.	7430	13175			
ey, H. L.	13677	13712		De Vasconcelos, M.	5296						
garno, A.	7088	9783	10276	12206	12435	De Vreugd, C.	5499	6016	6337	6624	7333
	12494	13662	13664	13995	14298	De Vries, A. E.	9524	9619	11502	12612	12618
idchik, F. I.	8040	10827	13279	13294	15274	De Vries, P. L.	13341	14981	14988		
	15351			De More, W. B.	8894	9079	9216	9761	11514		
y, P. W.	11979			Deakin, J. J.	12243	12251	12298	12935	14286		
maschini, R.	8301			Deal Jr., W. J.	12061						
mon, E. K.	9514	9924		Dean, A. G.	12483	15254					
ach, F. F.	15354			Dean, E. A.	13672						
open, W.	9796			Decius, J. C.	7218	11616	14909	14913			
Gupta, A.	13529			Deeck, J. S.	15376						
J. N.	15263			Defrance, P.	6639						
shchenko, A. I.	15354			Degani, J.	14722						
hevskaya, E. I.	11937	12490	12550	13258	13297	Degenkolb, E. O.	11586				
	14838	15076	15230			Dehmel, R. C.	11027				
	12136	12245	12623	14742		Dehmer, P. M.	10987	13744			
	5301	8886	10388	10826	10834	Deissler, R. J.	7657	8660	10303	10304	10985
	8213			Deiwert, G. S.	12208						
enport, J. E.	11930			Delalande, C.	15403						
enport, J.	11467				9786						
id, D.	12539										
id, R.	11368	11983									
idovits, P.	7284	8324	8485	9067	9420						
idson, J. A.	11920	11922	13964	14769							
vies, A. R.	10294										
vies, B.	8188										

Delgado-Barrio, G.	9571	14273		Djeu, N.	5382	6477	14493
Delle Donne, M.	8817			Dmitriev, S. P.	15357		
Deloche, R.	11105	11468		Dmitrieva, L. M.	10461		
Delos, J. B.	9148	9165	10570	12217	12218	Do Cao, G.	14968
	13412	13752	13753			Dobrolizh, B. V.	7294
Delpach, J.-F.	8119	9000	10139			Dobychin, S. L.	10461
Delvigne, G. A. L.	14999	15107				Docken, K. K.	14422
Demidov, V. I.	15203					Dodonova, N. Ya.	13662
Demkov, Yu. N.	7815	8862	9513	10804	15350	Dodsworth, B.	7622
Demonchy, A. R.	12510					Doebler, H.	9182
Demtroder, W.	13573	13582	13630			Doemeny, L. J.	11045
Deperasinska, I.	14812					Doering, J. P.	6984
Derai, R.	10818	11503	14243	15116			11029
Derouard, J.	14279						12035
Derrick, P. J.	14906						12593
Derwent, R. G.	15310						130
Desai, S. K.	13241	13244					13164
Desesquelles, J.	14968						13408
Desmarteau, D.	9409						13736
Detrich, J.	10149						14805
Devdariani, A. Z.	10674	10865	12857	15330	15426	Dondi, M. G.	151
Devir, A. D.	12265						15211
Devos, F.	9000	10139					15320
Dewangan, D. P.	13160	13178	13216	13236	13742	Donnelly, K. E.	1543
	14900	15175					15424
Dhuicq, D.	7627	7679	7763	10832	11477	Donnelly, V. M.	15034
	11845	13569	13572	13592	13602	Donohue, T.	15143
	13605	13633				Donovan, R. J.	15149
Di Stefano, G.	11897	14297					15223
Dickinson, A. S.	7765	7769	8290	9229	10326	Dose, V.	15234
	11506	13628	13800	13961	14293	Dotan, I.	15251
	15073	15129	15446			Dotchin, L. W.	15367
Dickinson, H. O.	13540					Dougherty, E.	15377
Diebold, A. C.	8008	10193				Doughty, B. M.	14058
Diebold, G. J.	10261	10426	12200			Douglas, D. J.	14769
Diercksen, G. H. F.	11091	11810				Downing, F. A.	14783
Diestler, D. J.	11070	11205	12044	12145		Dousson, S.	11894
Dillon, M. A.	9208					Dove, J. E.	13963
Dillon, T. A.	5396	10428	10974	13356		Doverspike, L. D.	14424
Dilonardo, M.	12776					Dowek, D.	11895
Dimov, G. I.	15422					Dowell, J. T.	10211
Dimpfl, W. L.	10419					Downing, F. A.	11335
Ding, A. M. G.	8011					Dows, D.	14542
Dinterman, T. R.	9148	9165				Doyennette, L.	10981
Dinwiddie, D.	11184	13739				Dreake, G. W. F.	10922
Dispert, H.	7934	9591	12970			Drawin, H. W.	10981
Dittner, P. F.	12136					Dreiling, T. D.	10922
Dixit, S. D.	15114					Dreizler, H.	10981
Dixon, D. A.	9403					Drevet, W.	10922
Dixon, R. H.	9580					Dreyer, J. W.	10981
Dixon, R. N.	14775	14776	15041			Dreyer, G. W. F.	10981

Eriksen, F. J.	7020	7192	10798	11760	11791	Fee, D. C.	9091
	13175	13200	13370	13749	14278	Fehsenfeld, F. C.	5175
	14520	14743					6368
Erko, V. F.	13248	15334	15386				7316
Erman, P.	12863	12866	15052	15201			10252
Ermatchenko, V.	15382						10253
Ernst, K.	5968					Fehsenfeld, G. C.	11035
Ershov, L. S.	13480					Feinberg, R.	9269
Esaulov, V. A.	11845	14691	14695			Feld, M. S.	9592
Esche, B. A.	14759					Felden, M.	15198
Esposti, C. D.	12854					Felder, W.	5855
Este, G. O.	13238					Feldman, B. J.	5868
Eu, B. C.	8831	9604	9859	10315	10897		9898
	11072	11204	11260	11399	11430	Feldmann, T.	14804
	12040	12055	12082	12532	13367	Fenistein, S.	7698
	13404	15367				Fenn, J. B.	14243
Evans II, N. J.	7665						15116
Evans, E. W.	11571	11638				Fennelly, P. F.	7371
Evans, L. B.	12084	15373				Fenstermaker, R. W.	10420
Evans, S. A.	13381	13728	13729				10421
Evdokimov, Yu. V.	13252					Ferber, R. S.	6570
Everhart, E.	13674					Ferguson, E. E.	12143
Evers, C. W. A.	9618	9619	11502	11793			10467
Eversole, J. D.	14493					Ferguson, H. I. S.	5175
Evseev, A. V.	14711					Fernandez, S. M.	7246
Ewing, G. E.	11398	11423				Ferrante, G.	7316
Ewing, J. J.	6714	7331	9869			Ferray, M.	10252
Ewing, T. F.	10212	14246				Fertig, M. N.	10253
Eyler, J. R.	12613					Feuer, P.	10254
Eyring, H.	8234	9919				Feuillade, C.	10255
Fabris, A. R.	11037					Fiamengo, N. A.	10256
Faenov, A. Ya.	12927					Ficocelli Varracchio, E	10257
Fahey, D. W.	12188	14795	15016			Field, D.	13749
Faist, M. B.	6920	9031				Field, G. B.	1527
Fakhr, A.	9590					Filseth, S. V.	7290
Falcon, C.	12252						14045
Falcone, R. W.	9430					Findlay, F. D.	14757
Falconer, W. E.	10295					Fink, E. H.	14766
Falk, R. A.	10458	10831				Field, D.	14775
Fanchi, J. R.	5507					Filseth, S. V.	15041
Faris, J. L.	11007					Finn, J.	14831
Farrow, L. A.	13188					Fink, E. H.	5763
Faubel, M.	7795	12539	14867	15314		Finzi, J.	7646
Faucher, P.	9155	13663				Firestone, R. F.	8906
Favero, P. G.	12854					Fisanick-Englot, G.	11930
Fayeton, J.	7766	7947	7956	8263	10781	Fischer, S. F.	12099
	10785	10832	11477	13162	13579	Fischer-Hjalmars,	12249
	13619	14957				Fireburne, E. S.	8846
Fedorenko, N. V.	15342	15384	15418			Fisher, C. H.	8890
Fedorov, A. A.	9929					Fisher, E. R.	11099
Fedorov, V. L.	14894						11147
							12443
							148
							15028
							14897
							12551
							9386
							9379
							11
							12920
							13

e, W. L.	13687	13688	15108	15435	15442	Fowler, G. N.	11067
tz, D. E.	9175	10215	11904			Fowler, R. G.	7360
zPatrick, J.	8832	8837	14277			Fox, K.	12028
zsimmons, W. A.	14496					Frad, A.	12570
zwilson, R. L.	13704	13759				Fraites, J. L.	7318 10320 12229
agan, R. C.	11022					Franco, V.	8191 13193 13721 14801 15019
aks, I. P.	15319	15384				Francois, R.	15131
annery, M. R.	6717	6917	6985	7184	7236	Frank, K.	13569 13572 13592 13602
	7280	7286	7767	7798	7916	Frankel, D.	9074
	8131	8824	8997	9137	9138	Franken, L. P. L.	6531
	10317	10318	10880	12577	12594	Frankiewicz, T. C.	14970 14971
	13201	13205	13338	13397	13398	Franklin, J. L.	10924
	13414	13517	13532	13545	13546	Franz, F. A.	7228 8150 9520 11019 12074
	13563	13615	13618	13983	14061	Freasier, B. C.	10662 13182 13437 13743
	14780	14987	15235			Freed, K. F.	9597 10169 10188 13013 13061
eischmann, H. H.	10987	13682	13744			Freedhoff, H. S.	8101 10339 12073 12541 13172
eming, G. R.	8101	15290				French, N. P. D.	15123
etcher, I. S.	8298	9003	9773	11089	14107	Frenkel, L.	7845 9615
nt, J.	14050					Freund, S. M.	13708
ower, D. R.	9279	10460	14406			Frey, H. M.	9407
uendy, M. A. D.	8444	9515				Fricke, J.	15007
nsberg, A.	12747	14354	14814			Fricke, U.	5368 10683 11473
gare, W. H.	10255	10280				Fried, S. F.	13151
nn, G. W.	5386	6569	6927	8202	8498	Fried, S. S.	6971 12458
	8834	9270	9408	9592	10187	Friedman, L.	14919
	10394	10403	10553	10569	10887	Friedman, N. E.	12091
	10913	10919	10955	10956	10957	Frisbee, R. H.	9232
	11060	11138	11178	11986	12460	Frisch, S. E.	12259
	12531	12877	14611	15273		Fritsch, W.	13285 15407
gel, Ya. M.	15334	15386				Frobin, W.	11245 14358
kanov, V. P.	14422					Frohlich, D.	11612
ley, H. M.	12948					Fromhold, L.	13343
llmer, K.	15048					Fromont, M. J.	12873 12874
itz, G. W.	9765	14730				Fueno, T.	14901
ntijn, A.	6570	9898	10888	11956	12125	Fujii, H.	15140
o, P. D.	6658	7746	15307			Fujii-e, Y.	14936
rce, A. P.	12961					Fujimoto, G. T.	14922
rd, A. L.	14296					Fujimoto, T.	8814 9526 15212
reman, P. B.	6533	6849	7655	10192	12608	Fujiwara, K.	11407 14641 14658
mari, L.	14520					Fukuda, K.	8882
rst, W.	8021	11808	14616			Fukutome, H.	6567 6852 8904 9620 14641
rster, H.	15221					Fukuyama, T.	14655 14658 14662
rt, J.	7961	8017	8477	10669	10673	Fulghum, S. F.	9632 11792 13053
rys, M.	14232					Fullerton, D. C.	8899 14511 14733
ster, K. D.	6897					Fushiki, Y.	9592
ster, M. G.	14426						11006 12148 14907
takis, C.	9069	10286	11778	14067	14093		5791 6324
urnier, J.	7265	12586					
urnier, P. G.	12586	15445					
urnier, P. R.	5718	7019	8430	9578	10653		
urnier, P.	14726	14727	14728	14809			
	13213	13229	13584	13613	14957		
	15383						

Fuson, R. E.	11939				Geballe, R.	13419	13436	13700		
Futch Jr., A. H.	13690				Gedanken, A.	5299				
Futrell, J. H.	7674	10099	10514	11800	11801	Geddes, J.	13603	13610	14289	14497
	12595	12624	12850	14769		15067	15069	15070	146	
Fyfe, W.	10390				Gedeon, A.	11368				
Gabriel, A. H.	5870				Gee, D. M.	9778				
Gaev, G. S.	15452				Geindre, J.-P.	8119				
Gaily, T. D.	11918	13202	13535		Geis, M. W.	7478	10817	14614		
Gait, P. D.	6962	7729	7730	8425	8929	Geittner, P.	15449			
	9174	10950	12560		Gelb, A.	7370	7761	8116	8888	
Galante, J. J.	7921					11094	11161	12534	91	
Galatry, L.	7229				Gelbart, W. M.	12073	12513	12541		
Gale, G. M.	9786				Gelhaar, B.	8089	15078	15224		
Galitskii, V. M.	8364				Geldon, F. M.	14832				
Gallagher, A. C.	10157	11407			Gelernt, B.	7646	8906			
Gallagher, R. J.	10420	10421			Geltman, S.	9006	9928	13562		
Gallagher, T. F.	9641	9771	9899	10361	10667	Generalov, N. A.	15320			
	11239	13012	14749		Gentry, W. R.	7226	7345	7799	8990	
Gallagher, T. I.	9380					9868	10199	10263	10417	
Gallaher, D. F.	13533	13606	13609	13627		10863	12123	13394	13433	
Galliardt, D. W.	8821				George, T. F.	14741	15009			
Galochkin, V. T.	14819					7199	7986	8086	8894	
Galy, J.	6654	10102	10995			9216	9431	9432	9438	
Gamarts, E.	13286					9882	10288	10342	10350	
Gammon, K.	12497					11078	11079	11514	12201	
Gamss, L. A.	6926	8498	8891	8994	11529		12251	12298	12935	
Gand, M.	13144				Gerard, K.	14286	14514	14529	14876	
Gangadharan, A. R.	6482				Gerard, M.	8635				
Ganina, N. A.	8423				Gerardo, J. B.	9419	9873	10818		
Gann, R. G.	12526				Gerasimov, G. A.	10565	13369			
Garcia, R.	10801				Gerasimov, G. Ya.	15245				
Garetz, B. A.	7988	10418			Gerber, G.	8013	8094			
Garrett, W. R.	7300				Gerber, R. B.	13228	13574	13586	13600	
Garrison, B. J.	7012	8422	9124	10573	12008	Gerjuoy, E.	8368	11000	13474	13514
Garside, B. K.	5804				German, K. R.	6502				
Gatland, I. R.	13698				Gerratt, J.	6638	8121			
Gautherel, P.	9823				Gerry, E. T.	14505				
Gaugehofer, J.	12528				Gersh, M. E.	5438	12094	12134		
Gaussorgues, C.	7874	9629	11756	13206	13518	Gersing, E.	5796			
	13552	13587	13635		Gersten, J. I.	15315				
Gautherin, G.	13410	15241			Gerstenberger, D.	5408	9522	13190	13702	
Gauthier, E.	5714				Gerts, V. E.	11915				
Gauthier, J.-C.	8119	9000	10139		Ghosh, A. S.	13143				
Gauthier, M.	12137				Ghosh, S. N.	7161	7267	13374	13553	
Gaujacq, J. P.	7627	7679	7955	8900	10222	Giachardi, D. J.	6488	14976	15114	
	10784	11117	11845	14322	14693	Giacobino, E.	8424			
Gavrikov, V. F.	9981				Gianturco, F. A.	11812	14284	14285		
Gawlik, D.	12934				Gibbs, H. M.	8805	9199	9634	9775	
Gay, J. C.	9517	14964			Giese, C. F.	12439	13511	14866		
Gayet, R.	9631	10663	13589			13182	13748			
Geballe, R.	7791	10458	10831	13165	13406		7226	7345	7799	8990
						9868	10199	10263	10417	
						12123	13394	13433	13440	

eman, O. L. J.	8101	15290		Gordeev, Yu. S.	8138	13207	13581	14701	15337		
F. B.	13660			Gordienko, V. M.	15390	15396					
ert, R. G.	8201	9568		Gordiets, B. F.	11914	14421					
ody, H. B.	7789	7930	8454	10223	10793	Gordon, E. B.	15228	15281			
	11403	11796	12228	13232	13531	Gordon, R. G.	15344				
	13580	13603	13608	13610	13614	Gordon, R. J.	10982	10990	10997	11332	11946
	13629	13952	14289	14497	14688		11947				
	14692	14885	15067	15069	15070						
	15217	15240									
en, K. T.	10890	11073	11918	12564	13230	Gorshkov, V. I.	7981	8847	10147	11003	11903
	14325					Gorshunov, N. M.	12113	12114	12561	12856	12945
spie, H. M.	11093	11902				Gotschall, R. E.	12985	15074			
in, R.	11328	12139				Gottdiener, L.					
ger, R.	9270					Gould, R. K.	9898				
ius, R. J.	10213	13427	13687	13688		Gounand, F.	5718	7019	8430	9578	10653
ason, E. A.	7921	8002	10172	11394	12077		14726	14727	14728	14809	
etti, D.	7165					Gousset, G.					
zer, K.	7328	8905	9415	9616		Govers, T. R.	6930	9419	9795	9873	10675
er, C. L.	9142	10657				Gower, M. C.	10818	10980	12012	12586	
s, G. P.	5620	6656	7159	8088		Grabiner, F. R.	10394	10403	10569	12195	12531
son, R. E.	9201					Grable, W. C.	5867				
es, A.	7941					Grace, R. S.	7919				
abocki, O.	9879					Graham IV, E.	14932				
abockis, I. I.	11521					Graham, I. G.	10873				
z, R. E.	8985					Graham, W. G.	8466	8467	13232	13608	
ik, J.	13512					Grandin, J. P.	7709	13015	14960		
t, M. L.	10365	12221				Grant, K. R.	15209				
is, R. E.	7101					Graubner, F.	13340				
e, J. H.	9049					Gray, C. G.	11379				
itashvili, M.	10780	14709	14710	14799		Gray, D. D.	11179				
akov, S. S.	7938	8864	10806	14666		Green, A. E. S.	14926				
lard III, W. A.	12518	13166	13429			Green, J. M.	13583	13595	13625		
e, T. V.	7930	12228	14692			Green, S.	6258	6968	7012	7609	7666
okhiya, V. V.	7291	8146	8896				7744	8142	8210	9149	9177
berger, A. L.	10143	10795	10796				9230	9750	9901	10322	10331
berger, A.	14520						10459	11421	11592	11658	11887
e, M. F.	5401	9069	12622	14034	14538		12008	12190	12764	13923	14518
	15261						14535	14772	14874	15002	
en, D. E.	8821					Green, T. A.	13399				
en, J. E.	6900					Green, W. H.	6088	6149	6764	7157	11034
flam, R.	9080	9125	9901	10459	11887		11182				
	15049					Green, W. R.	9430	14365	14531		
smith, G. J.	10261	10426				Greene, E. F.	7195	9231	11356	15111	
ukova, S. N.	9774					Greenland, G. B.	10831				
alez, M. A.	11174					Greenland, P. T.	11507	15113			
h Jr., J. W.	11939					Gregor, R. W.	8899				
all, C. V.	11616					Grey, R.	8822	8823	9779		
man, M. F.	10584	10585				Grice, R.	15370				
zenko, L. I.	15194					Grief, D.	13954	14784			
eev, E. P.	10232	13257				Grimbert, D.	12009				
eev, S. V.	10214										

Grimley, A. J.	11320	12247	12931	14274	14508	Hallsworth, R. S.	12563
Gromov, V. V.	14822					Halpern, A. M.	9879 14084
Grosser, J.	11759	11811	14763	14998		Halpern, J. B.	7307
Grossi, G.	8993	10808	11103			Hamel, J.	15409 15411
Groth, W.	7335	12463				Hammond, K.	5362 14851
Grouard, J. P.	15192					Hammond, R. H.	11356
Grozdanov, T. P.	11819					Hammond, R.	12547
Gruebler, W.	14892					Hamnett, A.	8655
Gruen, N.	5906	6698				Hancock, G.	7206 7307 12459 14820
Grun, N.	15046					Hancock, J. K.	6088 6149 6664 6764 715
Grushevskii, V. B.	10467						7279 8286 8292 9274 1103
Gruzdev, P. F.	13298						11182 14760
Grynpberg, G.	6943	11812	14284	14285		Hanko, L.	12767
Grzeta, B.	10660					Hanle, W.	8089
Guberman, S. L.	9783					Hanna, M. M.	7333 14994
Gudkov, A. A.	15397					Hannaford, P.	9113
Gudzenko, L. I.	15341					Hansel, K. D.	10152
Gueguen, H.	5849	5858	5931	6784	7068	Hansen, C. F.	11984 12103
	7171	8093	9764	10397	15378	Hanson, M. P.	10970
Guerin, H. G.	13404	15367				Hanson, R. K.	11358 11971 15088
Guha, E.	6980	9212	13599	13631	14938	Hanson, W. B.	15207
Guidini, J.	7671	7808				Hanson-Parr, D.	14723
Guidotti, C.	6319	9101				Happer, W.	11470 12192
Guilbaud, A.	9909					Haque, S. S.	6721 7906
Gulyaeva, T. M.	8246					Hara, S.	13926 14737
Gundel, L.	10274					Harada, Y.	14766
Gunz, R.	13567	13575				Harberger, J. H.	13590
Gupta, S. K.	6488	12047				Hardie, D. J. W.	15129
Gurev, V. I.	8895					Harel, C.	7667 7844 10050 10230 106
Gurevich, A. I.	9183	15358					10684 13953
Gurevich, D. B.	13293					Haring, A.	12612
Gusev, Y. A.	15334					Hariri, A.	8418 10098 11292
Gutchek, R. A.	9572					Harland, P. W.	7169 7228 14806
Gutman, D.	11347	11348				Harnois, M.	7791 10458 10831
Gutowski, R. V.	12592					Harper, R. M.	9141
Gutteridge, R.	6677					Harris, F. M.	6536
Guyon, P. M.	9998					Harris, G. W.	8424
Haaks, D.	7039	12583	14199			Harris, H. H.	6924 7907 7929 8118 89
Haartz, J. C.	15444						9144 9787 10668 10822 111
Haas, Y.	10256						11318 12610 14549
Haberland, H.	9383	9418	9519	10296	10685	Harris, R. M.	12126
	14327	14656				Harris, S. E.	9430 12768 12937 14365 14
Habitz, P.	8159					Harris, S. J.	14269
Hackam, R.	15087					Harrison, A. G.	13150 14903 14904 14905
Haddad, R. Y.	12196					Harrison, M. F. A.	13202 13535
Hager, J.	14071					Harriss, J. E.	7991
Hahn, Y.	13799					Harshbarger, W. R.	5767
Hajduk, J.-C. J.	15122					Hart, A. M.	7107
Hall, R. B.	7195	9231				Hart, R. R.	7168 10325 12010 12596 13
Hall, R. J.	9798					Hartford Jr., A.	9782
						Hartman, D. C.	9049

man, P. L.	11296	13343	Hemsworth, R. S.	12461	13519	13520					
mann, S. R.	12747	14354	Henc-Bartolic, V.	6970							
shorn, L. G.	11359		Henderson, G. A.	13695							
er, R.	13919		Henis, J. M. S.	11356							
e, W. L.	10874	12500	Hennecart, D.	7709	9267	13014					
kuni, M.	8374		Henry, L.	5858	6784	6918	7068	7171			
selkamp, D.	7945			8093	9764	10397	13336	14287			
aler, J. C.	11372			14818							
ed, J. B.	8209	10821	Herbst, E.	14697							
	13957	14663	Herce, J. A.	15441							
uno, Y.	8229	10167	Herlemont, F.	11261	11582						
on, G. J.	15030		Herm, R. R.	4765	5966	6323	7634				
enbuhler, D. A.	11364		Herman, J. A.	5621							
eisen, D. C.	11296		Herman, Z.	7674	9889	12106	14333				
ffe, B.	15219		Hermann, G.	13340							
g, R.	6292	6627	Hermann, J.	13942							
gh, M. J.	9384	10392	10482	11048	11061	Hermann, V.	8885	9179	9625	10791	10792
gsjaa, P. O.	13689			11104	12262	14706					
emann, U.	12064		Herrero, F. A.	13164	13443	13736					
ikawa, S.	12582	15027	Herrick, D. R.	7064	12853						
len, H. C.	7949	10779	Herschbach, D. R.	7220	7325	8002	9403	9810			
lon, S. C.	13696			10250	10971	11148	12113	12114			
s, E. F.	7819	14453	Hertel, I. V.	12126	12436	12437	14546				
es, M.	8285	10281	11153	12089	12493	Herzenberg, A.	8160	9112	9176	10658	14526
urst, A. N.	12508	13722	Hess, L. D.	14304	15036						
, G. N.	14643		Hess, P.	11343							
wood, S.	11246	14039	14157	7163	8415	9073	9074	9412			
on, M.	10563	10885	12510	9895	10105	11510	11905	14613			
gaard, P.	14430	15133	Hess, W. R.	15153	15251						
ges, R. E. M.	15295		Hessel, M. M.	15170	15189						
ick, A. F.	7727	9138	Hesser, J. E.	9789	11407						
nskerk, J. P. J.	14983		Hett, W.	11956							
er, U.	14786		Heukels, W. F.	7185	7821	13208	13223	13234			
rberg, R.	10221		Heydtmann, H.	10424	11135	11141					
ne, G.	11974		Hickman, A. P.	14817							
ner III, R. F.	5376	5799	6947	7154	7675	Hidalgo, M. B.	8457	9234	10196	10849	12980
	7734	9193	9405	11096	11241	Hierl, P. M.	13422				
	12515	15142	15148	15149		Higashi, K.	9889	11019			
rich, F. E.	12127		Hikida, T.	15375							
T. G.	8828	11592	11893	Hildebrandt, G. F.	8287	10259	11890	12855			
nd, W.	12861		Hill, G. L.	9765	11113						
W.-D.	12438		Hill, J.	5619							
r, D. F.	9157	10339	12025	Hill, R. M.	14497	14692	15067	15069	15070		
r, E. J.	12566		Hinchen, J. J.	9380	9641	13644					
eld, A. V.	11485		Hinds, E. A.	6770	7677	8815	10489	10568			
eld, H.	14362		Hippler, H.	12225							
, H.	10052	10816	Hippler, R.	13655							
, P.	10823	10825	Hiraishi, H.	7926							
ajian, H.	14767		Hird, B.	10654	14511	14733					
				9909							

Hishinuma, N.	14940	14942	14944				Hou, M.	11470	12192				
Hiske, J. R.	12759						Hougen, J. T.	11083					
Hitachi, A.	14732						Houston, P. L.	10256	10966	10967	11320	1198	
Hnat, J. G.	15146							11999	12247	12931	14274	1450	
Ho, W.	11383	11384					Houtte, V.	15089					
Hoag, E.	5438						Houver, J. C.	14460					
Hobbs, R. H.	6770	8815					Hovis, F. E.	7766	7956	13162	13525	135	
Hodge Jr., W. L.	10143	10795					13619						
Hodgkinson, D. P.	7762						Howard, C. J.	9895	13481				
Hodgson, R. T.	5540						Howard, J. S.	7284	7316	11920	11922	139	
Hoffman, D. K.	15015						Howorka, F.	13163	13218	15448			
Hoffman, J. H.	15207	15208						9748	10316	11229	14769	150	
Hoffman, J. M.	12753	13361					Hozack, R. S.	7740					
Hoffman, M. Z.	15303						Hrycyshyn, E. S.	14839	14846				
Hoffmann, V.	14720	15072					Hsu, C. T.	11059	11965	12038			
Hofmann, H.	8160	9112	9176	10658	11886		Hsu, D. S. Y.	8438	11910	14750			
	13937	14526					Huber, B.	7017	7372	14687			
Hogan, P.	6661						Hubers, M. M.	7619	9523	10828	13052	151	
Hoke, W.	10255	10280					Hubler, G.	7067	10042				
Helcombe, N. T.	11020	15440					Huddleston, R. K.	9910					
Holland, R. F.	11330						Huestis, D. L.	7044	13644	13987			
Hollander, T.	9147	14970	14971				Huetz-Aubert, M.	5856	6628	6719	9266	113	
Holliday, M. G.	12091						Hughes, B. M.	11818	12112	14963	15380		
Hollstein, M.	13756	15177					12454	5794	5917	9091	10572	113	
Holstein, T.	7268	10157					Hughes, D. B.	6536					
Holt, A. R.	13656						Hughes, J. G.	10131	10799	10856	15026	150	
Holt, P. M.	14515						Hughes, P. E.	15050	11114				
Holtermann, D. L.	14548						Hughes, R. H.	10132	11181				
Holzmann, P.	10825						Hughes, W. M.	11294	11295				
Homaidan, N.	13007						Hugon, M.	12867	14726	14727	14728	14	
Hong, K. H.	12873	12874					Hui, K.-K.	6659	8898	11108			
Hopf, F. A.	8130						Hui, M.-H.	12536					
Hopkins, B. M.	5378	5670	5926	10558	11156		Huie, R. E.	8911	10053				
	11170	12537					Huisken, F.	9205	14539				
Hoppe, H.-O.	12224						Hulse, J. E.	12614					
Hordvik, A.	5536						Hultsch, W.	10815	14488				
Horiguchi, H.	8308	14498	15022	15139	15141		Humphrey, L. M.	13012					
	15199						Humphris, R. R.	7176					
Hormes, J.	7170						Hunding, A.	12427	12444				
Horn, K. P.	11028	11183	12119				Hung, N. C.	11186					
Horne, J. M.	9627						Hunt, P. M.	10101					
Hornman, J. C.	6293						Hunter Jr., W. W.	10917					
Hornstein, J. V.	6717	7286	12577				Hunter, G.	9770	10233				
Horsley, J. A.	7708						Hunter, L. W.	7362	10341	10345	10346	10	
Horwitz, A. B.	13339	14499						10975	10976				
Horwitz, H.	6758						Hunter, T. F.	14644					
Horwitz, J.	15255						Huntress Jr., W. T.	10099	10170	10306	10414	11	
Hoskins, D.	12497							11929	12087	12986	12987	14	
Hotop, H.	4538	7067	8635	10042	10670		Hunziker, H. E.	13655					
Hottman, S. D.	10138												

o, W. M.	9208	9227	10146		Ivanov, G. K.	6912	13279	13294	15274		
rst, G. S.	6966	7321	7915	9584	11190	Ivanov, I. G.	15279				
	11993					Ivanova, L. A.	15045				
rt, W. B.	5867					Iwai, T.	14661	14664	14681		
sain, D.	5376	5645	5799	5801	6658	Jackson, W. M.	10994	11007			
	7746	8298	8428	8509	9003	Jacob, J. H.	9206	10197	11116	12872	
	9773	9896	9906	10909	10989	Jacobs, R. R.	6069	13438	14921		
	11089	11090	11504	12447	12483	Jacobson, E.	10134				
	12522	12964	14107	14540	15142	Jacquot, B.	14690				
	15143	15148	15149	15150	15151	Jaecks, D. H.	7813	8019	11760	13175	13181
	15152	15254	15287	15288	15291		13372	13393	13730	13731	14520
sain, J.	15292	15293	15311								
	12184					Jain, S. K.	12047				
sson, X.	7709	13015				Jakubassa, D. H.	15134				
elplund, P.	10051					James, P. B.	8910	12219			
att, D.	15286					Jamieson, M. J.	7978	13664			
nes, A. J.	15121					Jamshidi, E.	14646				
G. E.	7009					Janev, R. K.	10809	11474	11819	13209	13527
imura, T.	8287	10259					13548	13549	13589	15038	15098
shin, V. I.	5427	14819	14822				15190				
chi, K.	10811	11471				Janiesch, W.	9073	10105			
, R. N.	7793					Janin, J.	10462	15169			
nberger, E.	6605	12486				Jansen, B. J.	9147	14970	14971		
imura, M.	14261					Janson, M. L.	7823	8204			
e, A. I.	15354					Javan, A.	5968	6017	14826		
ba, H.	15410					Jaye, F. C.	15146				
, Y.	11040					Jean, Y.	15144				
kuti, M.	4433					Jeffers, W. Q.	11363				
ue, G.	6934	7162	9097			Jennings, D. A.	5885	7284			
ue, N.	15101					Jensen, C. C.	12881				
uye, H.	14660	14736				Jensen, D. E.	14060				
ansen, A. A.	13478					Jensen, K.	7669	7943	7948	9090	15222
N.	12871					Jepsen, J.	7669				
h, Yu. Z.	10674					Jeyes, S. R.	12765	13921			
kh, Yu. Z.	5379	5755				Jitschin, W.	13919				
o, J. W.	13396					Joachain, C. J.	13738				
al, S. M.	13551					Jobe, J. D.	5363				
n, J. A.	14361	14510				Joffrin, C.	5432	6061	6395		
ng, P.	15435	15442				Jognaux, A.	9795	10675	13347		
cson, A. D.	9234	14236	14494			Johansson, S.	14280				
or, N. R.	12563					Johnsen, R. H.	14901	14908	14910	14915	
hara, T.	13222	13380				Johnsen, R.	10096	10285	10575	11798	12066
wata, T.	14002	14053					12264	12752	12963	13386	14243
, R. C.	7953	12760	13180	13421	13431		14719	14778	14932		
	13758					Johnson, A. W.	8417	10565	13369		
ailov, I.	15239					Johnson, B. R.	6920	12037	12451	12468	12509
, M. R.	12668					Johnson, B. W.	5406	7741	11188	11189	
awa, Y.	7629	13926	14235	14737	14945	Johnson, C. E.	11404				
, Y.	14950					Johnson, D. L.	7919				
ov, A. V.	10789	13999	14069	14703		Johnson, K. E.	14563				
ov, B. I.	15225					Johnson, P. A.	15099				
	15344					Johnson, R. E.	7176	12227	12521	13528	13590

apter, V.	15166		Kirtman, B.	13377
dall, G. M.	8902		Kiselev, A. A.	13534
kre, V. M.	11262		Kistemaker, P. G.	6624 7333 12618 14981 14994
ugh, T.	14918		Kita, S.	14660 14736
eselidze, T. M.	10780	14799 15360	Kivel, B.	11571 11638 13985
imov, A.	15238		Klar, H.	12504 13604 13634
kdiжk, C. B.	7790	7803 11795 11807	Klar, M.	13634
n, C. W.	11329		Kleber, M.	14359
nahan, J. A.	12140		Kleckner, E. W.	7565 7931
sel, Q. C.	11112	15017	Klein, F. S.	14058
o, J. W.	9201		Klein, M. B.	14827
an, L.	11340	12528 14902 15145	Klein, R.	7163
vley, D. J.	10556	13667	Klementev, G. V.	11912 13647
ser, L. F.	12080		Klemm, R. B.	10275
archenko, V. A.	9911	10805 10807 12235 13353	Klemperer, W.	5395 7325 9810 10561 10971 11331
re, A.	8433		Klemp, W.	10803 11248
re, V.	9927	10236 11815 14429	Kleppner, D.	9142 10657 13694
tyrallah, G. A.	7066	7221 15195	Kley, D.	7335
rsonsky, V. K.	10135		Kleyn, A. W.	9523 10828 13052 14076 14712
iko, I. N.	9452	9453	Kligler, D. J.	14351
darkovskii, M.	14422		Klimentova, T. M.	9595
omov, V. V.	9929	13646	Klinger, H.	9518
abchandani, P. G.	9001		Klosterboer, D. H.	11337
orostovskaya, L.	5640	13281	Klots, C. E.	6390 10427 11008
k, M.	12591		Klyucharev, A. N.	7294 8244 8636 9286 9937 10461 10865 15106
fer, J. H.	11146	12533 15122	Knaap, H. F. P.	14983 14995
l, D. G.	14524		Kneba, M.	11109
lkopf, J. F.	6753		Knewstubb, P. F.	15286
iani, B. I.	10780	14709 14710 14799 15430	Knight, A. E. W.	10219
a, J. K.	10170		Knight, A. R.	9905
a, K. C.	12567		Knight, P. L.	9429 9439
t, M. S.	14537		Knowlton, K. B.	10132
i, Y. H.	8147	13994	Knudson, S. K.	13377 13752 14837
i, Y. K.	4433		Knudtson, J. T.	10919 10956 11178 11986 12460
bell, G. H.	14052		Knystautas, E. J.	13696
aura, M.	9883	10829 13482 14681 14715	Kobayashi, N.	9596 10789 10820 13999 14069 14676 14703 14949 14951 14952 14953 14955
dlmann, P. J.	14941	7320	Kobzeba, E. A.	13258
g, D. L.	7197	9072 10000 12769	Koch, M. E.	14602
g, D. S.	14798		Koch, P. M.	13174 14734 14777
g, F. W.	14752		Koch, W.	12574 12579 13616
g, R. F.	14357		Kocher, D. C.	9123
g, T. A.	6681	6761 14732	Kodaira, M.	15163
gston, A. E.	9180	13203 13510 13521 13593	Kodama, S.	11040
	13594	13617 14290	Kodera, K.	14714
mersly, S. R.	11511	15059 15218	Kogoma, M.	14261
sey, J. L.	7742	10929 11389 12465 12763	Kohlmaier, G. H.	13802 15110
sman, P. R.	5227			
k, A. W.	11040			
sch, L. J.	12447	15311		

dryavtsev, A. M.	12974		Lamanna, U. T.	12439	13511	14866
hlke, D.	14891		Lambert, J. D.	5965	15294	
kolich, S. G.	5768	6533	6849	7655	10171	Lampe, F. W.
	10307	10877	12552	12572	12608	Landais, J.
	13976		Landman, D. A.	11467		
aksenko, B. V.	15225		Lane, N. F.	11777		
lakov, L. V.	14819		Lang, N. C.	7224	7266	8835
lander, K. C.	7681	8839	13623	10835	11761	9085
likovsky, A. A.	9612		Lange, W.	13422	12488	10364
lyasov, V. N.	13978		Langelaar, J.	13713	13219	13381
makhov, M. A.	10047		Langsam, Y.	13422	13728	15030
mar, A.	10652		Laniepce, B.	6493	7716	11467
nc, J.	14503		Lanting, G. E. H.	14956	14959	
ng, R. T. V.	6602	7365	7366	9742	9900	11389
ppermann, A.	7831	7832	7834	8713	10891	Lantschner, G.
	11003	11031	13341	13342	14085	Larson, S. Y.
priyanov, S. E.	7252	10235	Larsson, M.	12863	12866	15052
ranov, A. L.	5755		Lasaga, A. C.	15201		
riyan, M.	9770	10233	Laterrasse, J.	9993		
rov, V. S.	11803		Latham, S. L.	14963	15380	
rylo, M. J.	6241	6336	7189	13016		
rzel, R. B.	11027	11058	11364	11980	Latimer, C. J.	
sunoki, I.	9751	10788	Latush, E. L.	9145	9765	13232
tina, R. E.	14759		Latypov, Z. Z.	14357	13531	13608
tz, H. D.	10337		Lau, A. M. F.	11809	15244	15395
ater, G. S.	6915	9121	13283	8854	10048	11102
lividze, V. A.	6911	6936	Lauagne, J. J.	15319	14238	14239
ei, G. H.	7797	9228	9586	15423	15384	15393
ok, M. A.	6278	6478	Laudenslager, J. B.	15424	15425	15400
ong, H. S.	14858		Launay, J.-M.	15427	15429	
le, H. L.	13683		Lavercomb, B. L.	9644	10701	12292
Budde, R. A.	10578	11198	11370	11371	Lavigne, J. M.	
Brecque, R. J.	11334		Lavollee, M.	7961	8017	8477
mann, K.	7933	7934	9591	9781	Laudenslager, J. B.	
	10829	12437	12970	13482	Launay, J.-M.	
ana, A.	7718		Lavrik, N. L.	8856	10099	10669
aye, B.	14962		Lavrov, V. M.	8816	10306	14541
mani, F.	10441		Lavercomb, B. L.	10082	9093	14541
dabon, C. S.	15237		Lavigne, J. M.	15079	9094	9207
ller, K. J.	12614		Lavollee, M.	12009	9207	9279
ng, J. R.	7986	9216	9431	9438	Lavrik, N. L.	
	13172		Lawton, S. A.	14756	10806	14709
tionov, N. V.	6911		Le Breton, P. R.	15337	14666	14710
ta, K.	11656		Le Calve, J.	15390	15396	
emand, P.	11817		Le Coz, G.	14496		
pe, F.	13198		Le Roy, D. J.	7845	9515	9615
a, K.-S.	12201	12298	14083	14755	14802	
a, L. K.	11407		Le Sech, C.	12484	12554	12565
a, S. H.	7190	9762	Le, T. Q.	7725	7812	13215
a, S. K.	7994	13412	Leasure, E. L.	13635	13518	13592
nanna, U. T.	6319	8805	9101	9634	10166	Leasure, S. C.
			Leatherwood, L. A.	7788	9280	13344
				7991	9385	11901

Lebed, I. V.	8090	10232	12852		Leroi, G. E.	11364						
Lebeda, C. F.	13720	14840			Leslie, S. G.	10100						
Lecler, D.	7241	7709	7716	11789	12880	Leslie, T. E.	13716					
	15408				Lester Jr., W. A.	6969	7012	8124	8290	842		
Lecuyer, A.	6937					9124	9776	10405	10577	1200		
Leduc, M.	9630	9876	13198			12263	12553	12575	13349	1464		
Lee, C. S.	7431					15083	15437					
Lee, E. K. C.	10242	11899	14548		Letokhov, V. S.	12505	12523	15359				
Lee, E. T. P.	7107				Leu, M. T.	6326	10410	13386				
Lee, F. W.	8416	8987	9811	11240	11468	Lev-On, M.	11165	12606				
	14105					Leventhal, J. J.	6924	7907	7929	8118	891	
Lee, H. W.	12243	14514				9144	9787	10363	10668	1082		
Lee, J. S.	13003					11115	11318	11373	12193	1221		
Lee, K.-T.	14248					12220	12610	13140	13196	1396		
Lee, L. C.	13352				Leventhal, L.	15060						
Lee, S. K.	13744				Levine, R. D.	11386						
Lee, S. M.	6322	7715	8117	8361	12562	6920	7166	7687	8143	816		
Lee, W.	6781	7820	7983			8169	8369	8820	8825	911		
Lee, Y. T.	10296	10583	12113	12114	14642	9565	9617	10206	10257	1027		
Lees, R. M.	6721	7906	8883	11291	13653		10332	11068	11069	11200	1193	
Lefebure, P.	15192				Levine, S. Z.		12037	12090	12449	12451	1246	
Lefebvre, P.	9614				Levron, D.		12481	12509	12601	12881	1341	
Lefebvre, R.	7912	12626			Levy II, H.		13922	13989	14249	15368		
Lefebvre-Brion, H.	13559				Levy, D. H.		12080					
Lefevre-Seguin, V.	9630				Levy, J. M.		12248					
Leffert, C. B.	10260	10308	10994		Lewis, E. L.		13201	13543	13673	13710	1372	
Leforestier, C.	8207	12633	12981		Lewis, J. C.		13563					
Legay, F.	7645	14965			Lewis, J. W. L.		9386					
Legay-Sommaire, N.	14965				Lewis, P.		5768					
Legowski, S.	9643				Lewittes, M. E.		9788	9875	13750			
Lehmann, B.	9633				Lezdin, A. E.		12611	13447				
Lehrle, R. S.	7234	8845	14917		Li, K. C.		10390					
Leichner, P. K.	7707	8075			Li, K.-W.		12250					
Leiko, G. A.	7628	7816	10794	11913	13979	Li, Y.-H.		11101	15132			
	14686	15342	15349		Lias, S. G.		7924					
Leinhardt, T. E.	10917				Lichten, W.		9859					
Lemaire, J.	11261	11582			Lichtin, N. N.		13150					
Lemont, S.	9270	10553			Liddy, J. P.		12613					
Lempter, V.	13956				Liepa, S. Ya.		8868					
Lenamon, L.	13391	13392			Liesen, H. D.		15132					
Lengel, R. K.	6950	9767	14610		Lifshitz, A.		7170					
Lenormand, R.	6719				Lifshitz, C.		10290					
Lenzi, M.	5857	7206	7307	11897	14297		5794	5917	10572	11142	124	
Leonas, V. B.	7958	15280	15389	15394			12876	14914	15444			
Leone, C.	14045	14187	14757	14764			10703	12104	12975	13060	143	
Leone, S. R.	5539	5969	7312	7337	7697	Lightman, A. J.	14816	14875				
	11886	13339	13937	14499		Lijnse, P. L.	11099					
Leonhardt, J. W.	14391						5370	5371	5568	5921	62	
Leontev, V. G.	9595						14970	14971	14972	14973	149	
Lepoutre, F.	6628	9266	9574	12962		Lilenfeld, H. V.	11389					

a, C. S.	9628	11917	13612	13968	13988	Lombardi, M.	9923	14279
	14242					London, G.	12139	
a, C.-L.	11361					Long, B. H.	12233	
a, J.-L.	8014	10931	11973			Long, N. J. T.	8911	10053
a, M. C.	6389	7156	7981	8122	8438	Longmire, M. S.	13186	
	11910	12561	12631	14750		Loper, G. L.	10242	
a, S. H.	8101	8234	9919	10896	11075	Lopez, V.	10230	10666 12254
	15290					Lopez-Delgado, R.	6893	
a, S. M.	15370					Lordi, J. A.	15406	
a, S. T.	8362					Lorek, J.	12525	12555
a, S.-M.	4765	8289	14761			Lorentz, D. C.	9791	11918 12093 13230 13390
a, Y.-W.	7986	10342	10350	13547		Los, J.	13392	13568 13644 13756 15177
ndemann, E.	11133					Losev, S. A.	7619	9100 9523 9611 9619
ader, F.	8885	9179	9382	9625	9867	Loucks, L. F.	10165	10228 10828 11424 11502
	10790	10791	10792	11104	12262	Louis, G.	13052	14076 14334 14696 14712
	14504	14706	14708	14797		Lowe, R. M.	14808	14871 14984 14986 14989
adinger, W.	6368	7316	9894	10252	10253	Lowe, R. P.	14990	14996 14997 14999 15105
	10279	10282	10316	10823	10825	Lowenstein, A.	15107	
	13363	13966	14399	14933	15025	Loyd, D. H.	10210	15225
ndquist, G. H.	6364					Lozingot, J.	11010	11145
ieberger, W. C.	10277					Lubbert, A.	9266	9574 11818 12962
as De Barros, H.	11921					Lucatorto, T. B.	11192	14844
eeles, M.	13186	13711				Lucht, R. A.	5751	
uornik, D. J.	12043					Ludwig, P. K.	9122	13401 13441 14258
itsa, V. S.	13059	13975	15353			Luerman, S. J.	12746	
itsyn, V. N.	13246					Luk, C. K.	5751	
ter, D. G.	14241	14811	15071			Lukashenko, S. N.	9122	14782
tle, D. J.	11581					Lukashenko, V. I.	9452	
ile, W. L.	11915					Lukasik, J.	5970	6242 6601 7672 8909
ller, J. G. F.	5801	12522	15150	15287		Lukaszewicz, M.	14365	
tlewood, I. M.	13169	13231	13992	14257		Lukaszewski, M.	8279	
zen, U.	14280					Lukovnikov, A. I.	12014	
,	9784	10665	10682	14049	15058	Lukyanov, G. A.	7707	
,	13692					Luyapaert, R.	10928	
,	8818					Lyszyk, M.	9381	
,	10271	10399				Lyutui, A. I.	11582	
,	10431					MacGregor, M.	13278	
,	10243	10321	14056			MacKay, G. I.	15447	
,	6756	6757				MacVicar-Whelan, P.	15226	
engevich, A. I.	12197					Macdonald, J. A.	15160	15161
wellyn, E. J.	12233					Macdonald, J.	13670	
Cascio, L.	14757	14764				Macdonald, R. G.	10096	
H. H.	11779	15108	15435			Macek, J.	11798	
Dato, V. A.	11336					Mach, H.	6636	7312 8986 10225 14037
ker, D. J.	11213	11958	11970	12018	12107		8019	13175 13197 13221 13359
kwood, G. J.	12753	13361					13375	15130
ge, J. G.	7893							
sch, H. J.	7796	9225	10655	11148				
wenstein, M.	12111							
, L. C.-H.	7634							
man, T.	15307							

Mach, R.	9813	9814		Manus, C.	6653	7959	7999	14328			
Macias, A.	12254			Manz, J.	10257	12619	15361				
Macke, E. T.	14362			Manzanares, E. R.	12960						
Madden, P. J.	13510	14290		Mao, C.-R.	12985						
Mader, H.	9915	10280		Marantz, H.	13708						
Madhavan, V.	15303			March, R. E.	15160	15161	15383				
Madronich, S.	9178			Marcotte, R. E.	11953						
Maes, S.	12578			Marcoux, P. J.	10466						
Magee, J. L.	11004			Marcus, A. B.	11012						
Magnuson, G. D.	6565	6733	7102	7960	8042	Marcus, R. A.	10243	10321	10336	10348	1090
	8489	9450	10312	12152	15431		10901	11064	11074	11212	1140
	15434						11402	11964	12019	12049	1212
Mahadevan, P.	12015						12456	12519	14073	14547	
Mahan, B. H.	10419	10881	10890	11073	11180	Marek, J.	8999				
	12077	12564				Margani, A.	11897	14297			
Maher, K. E.	11373	13196				Margerie, J.	15411				
Mahlab, M. S.	11514					Margottin-Maclou, M.	5849	5858	5931	6444	678
Mahr, H.	11296	13343					7068	7171	8093	9764	1039
Maier II, W. B.	7233	10422	11330	11341	11601	Mariani, D.	10798				
	12117	12457	12940	13737		Mariella Jr., R. P.	7325	9810	10971	14263	
Maillie, F. H.	12038					Mark, T. D.	13724				
Maio, A.	13660					Markin, E. P.	14822				
Majeres, P.	6571					Marmier, P.	14892				
Makarov, E. F.	6361	8141	8151	11249	11610	Marous, R. A.	9175				
	15336					Marshall, T. R.	10662	13182			
Makarov, G. N.	12505	12523	15359			Martin, D. W.	8899	13698			
Makarov, V. N.	8013	8094				Martin, E. P.	14819				
Makhdis, Y. Y.	8209					Martin, J. D.	12016				
Makita, T.	7949	10779				Martin, L. R.	8884				
Makowski, A. J.	8445	9103				Martin, P. J.	7813	10656	10775	10783	120
Makrenko, S. N.	5758	6660	8242				13393	13942	13956	14612	150
Maksimenko, V. A.	15320					Martin, R. M.	6781	7820	7983	10192	110
Maksimov, L. A.	12862	15355					12203	12535	13967	14723	
Malaviya, V.	8634	13542	14883			Maruhn-Rezwani, V.	15046				
Malik, D. J.	15120					Marusin, V. D.	5754	6691	6916	13243	132
Malinauskas, A. P.	11939	12146				Maruyama, Y.	9099				
Malins, R. J.	11911	14244				Marx, R.	7698	9419	9873	10818	109
Malkin, V. G.	15063					Masnou-Seeuws, F.	7766	7812	7956	9629	125
Mallory, M. L.	9123						13518	13539	13635		
Malmin, O. K.	14231					Mason, E. A.	10324	11974			
Malt, R. B.	7168					Mason, R. S.	7234	8845			
Malthan, H.	7794	8887	14516			Massey, H.	14886	14887	14888		
Malvern, A. R.	9636					Masson, A. J.	15362				
Mamaev, Yu. A.	7628	15342	15349			Mastrocinque, G.	8093	9764			
Mamedov, S. S.	15228					Masuda, T.	14661				
Manceau, H.	6719	9574				Mates, R. E.	15406				
Mandl, A.	8299	9869	11191	11571	11638	Mathis, R. F.	10305	11052	11154	11362	
	12133	12754				Mathur, B. P.	7771	8974	9892		
Mangano, J. A.	9206	10197	11116	12872		Mathur, D.	13957	14663			
Manna, A.	13529					Mathur, K. C.	13355	13365	13578	13607	151
Manor, P. J.	10992										

Medvedev, E. S.	14747		Mikkelsen, J. V.	12936		
Meerts, W. L.	13147		Miklavec, A.	8846	11892	
Meger, R.	10987		Mikuni, H.	15199		
Mehl, R.	13350		Miles, J. R. N.	12027		
Mehrotra, S. C.	7287	10265	13654	Millar, W. S.	10100	
Meisel, G.	13919		Miller, D. J.	6243	6712	11165 11982
Meitlis, V. P.	14897		Miller, D. R.	9627		
Mele, A.	5857	11897	Miller, G. H.	12753	13361	
Meli, J.	14975		Miller, G.	12104		
Melieres-Marechal, M.	9923		Miller, M. S.	11199		
Melius, C. F.	12518	13166	13429	13624	Miller, P. A.	13718
Melnikov, L. D.	13278		Miller, R. G.	9274	14760	
Melskens, J.	7669		Miller, T. A.	9772	12951	14815
Melton, L. A.	5395	6640	8206	10561	11331	Miller, T. M.
Melzer, J. E.	11241		Miller, W. H.	10681	12875	
Menard, J.	6042	6444	6918	7012	7044	8422 9234 9600
Menard-Bourcin, F.	6042	6918	12977	10262	10297	10310 10382 10425
Mendez-Placido, R.	13443		10573	10849	10958	11025 11057
Menendez, M. G.	7950		11065	11078	11079	11185 11327
Menotti, F. R.	12858		11354	11775	11799	11941 11950
Menshikov, L. I.	15037	15040	11985	12008	12021	12053 12150
Menshykov, L. G.	14685		12263	12452	12499	12598 13483
Mentall, J. E.	9998	10986	14236	14260	14267	14657 14791
Menzinger, M.	12436	12496	15086	15312		
Meolans, J. G.	10690	15381	Millet, P.	6654	10102	10995
Mercea, V.	7235	8127	Millikan, R. C.	6243	6712	6765 7082 11165
Merchez, H.	7941		11982	12259	12606	
Mercier, E.	15192		Millward, G. E.	5869	15289	
Merilo, M.	12042		Milne, E. L.	12069		
Merlo, T. A.	11754		Milner, R. G.	6928	9096	9780 13996 14916
Mestdagh, J. M.	14654	15068	Milonni, P. W.	9433		
Metcalfe, M. P.	8892		Mims, C. A.	4765		
Meucci, M.	12871		Minglegrin, U.	13474	13514	
Meunier, G.	7714		Minguzzi, P.	13717		
Meyer, C.	15104		Mintz, K. J.	12484		
Meyer, F. W.	6922	6923	7722	7805	9609	Miranda, L. C. M.
	9886	10949	13413	14250	15196	11921
Meyer, F.	15104		Mischke, J.	9136	10044	
Meyer, H. D.	14260	14267	14657	14791		Mishin, V. A.
Meyer, J. A.	11337		Misra, D.	10097		
Meyer, T. W.	13176	13428	Mitchell, K. B.	7427		
Micha, D. A.	7670	8851	9160	9401	10860	Mitchner, M.
	10861	11203	12434	12471	12506	10268
	13011	13444	14234	14237	15082	12749
Michael, J. V.	6106	11975	Mitra, S. K.	15292		
Mikhailov, A. A.	13259	13280	15038	Mittleman, M. H.	13387	13402 13755
Mikhailov, A. B.	13293		Miyama, H.	12054		
Mikhailova, Yu. V.	15343		Mizuno, J.	13725		
Mikheenko, A. V.	11914	14421	Mnatsakanyan, A. K.	14893		
Mikheev, L. D.	14422		Mochizuki, T.	7933	9781	
			Moerkerken, H.	7693		
			Mohan, M.	10471	12743	14790
			Mohlmann, G. R.	7649	9837	
			Moi, L.	7165	8866	9885
			Moiseiwitsch, B. L.	10115	13550	
			Mokhova, N. A.	12550		

olina, D.	13536		Morrow, W.	5868	6572		
olina, M. J.	11047		Morse, R. I.	11033	11206	11334	12135
llow, B. R.	13679		Moruzzi, G.	10803	11248		
nchick, L.	7609	9149	10186	10322	11887	Mosburg Jr., E. R.	6124
onge, A. A.	12947	14796				Moseley, J. T.	8248
onkhouse, P. B.	11426	14751				Moser, H. C.	11942
onnom, G.	7671					Moser, M. D.	11238
onte, J.	15379					Mosesman, M. M.	11929
nteil, A.	10462					Mossberg, T.	12747
entes, B. M.	7290	7676				Moutinho, A. M. C.	14076
entmagnon, J. L.	15192					Moy, J.-P.	8119
oore Jr., J. H.	11029	11350	12035	13389	13415	Moy, J.	12856
oore, C. B.	13424	14251	14680	14928	14934	Mrugala, F.	14079
oore, D. S.	5535	5539	5862	5863	5949	Msezane, A.	9140
ora, P.	6287	6636	6974	7312	7337	Muckerman, J. T.	12091
raal, H.	8415	8986	9895	10225	10248	Mueller, C. R.	7753
rack, J. L.	10256	10959	10978	11016	11024	Muhle, S.	11126
ran, K. A.	11043	11055	11894	12025	12029	Mukamel, S.	7912
ran, T. F.	12031	12045	12120	12131	12132	Mukherjee, D. K.	13160
ran, T. I.	13481	13649	13963	14269	14360	Mukherjee, D.	13742
orawitz, H.	14625	15450				Mukherjee, S. C.	7044
organ, E. J.	7191					Mukhopadhyay, P.	13362
organ, J.	7240					Mullaney, N. A.	13651
organ, T. J.	10582	11197	12474	14993		Mullen, J. M.	13924
rgenstern, R.	11179					Muller, A.	14652
rgner, H.	12140					Muller, B.	15264
ori, M.	6717	6917	6985	7184	7286	Muller, L. W.	112091
ori, Y.	7727	8131	8824	8997	9137	Mulloney, T.	14299
orokuma, K.	9138	10317	10318	10880	10972	Munakata, T.	15128
orozov, E. N.	11006	11134	11150	11164	11175	Murad, E.	14766
orrow, D. P.	11193	11802	12079	12148	12204	Muravev, I. I.	10983
orrow, D. P.	12473	12577	12594	13734	14082	Murphy, R. E.	11803
orrow, D. P.	14907					Murray, E. R.	7107
orrow, D. P.	12858					Murray, L. E.	10268
orrow, D. P.	11381					Murray, P. T.	7953
orrow, D. P.	12042					Murrell, J. N.	11923
orrow, D. P.	9627					Murzin, S. N.	9088
orrow, D. P.	7809	8466	10798	11791	13192	Muschlitz Jr., E.	11321
orrow, D. P.	13603	13610	13740	14278	14743	Muszhuk, S. N.	11511
orrow, D. P.	9538	10104	10813	11112	13390	Naboko, I. M.	15398
orrow, D. P.	13392	13574	13586	14543	14700	Nachshon, Y.	5796
orrow, D. P.	15017	15216				Nagata, T.	6897
orrow, D. P.	7963	8457	10196	10382	11119	Nagel, J.	8444
orrow, D. P.	12486	14491	14720	14738	15072	Nagy, S. W.	8838
orrow, D. P.	14936					Naidis, G. V.	9587
orrow, D. P.	8287	10259	11890	12092	12855	Nakao, T.	14262
orikawa, A.	12050					Nachshon, Y.	15159
orita, N.	9078	11405				Nagata, T.	12471
oritz, G.	11909					Nagel, J.	12869
orley, C.	15296					Nagy, S. W.	14055
orokuma, K.	13547					Naidis, G. V.	14512
orozov, E. N.	6280					Nakao, T.	14668
orrow, D. P.	10567					Nakao, T.	8325
orrow, D. P.						Nakao, T.	9153
orrow, D. P.						Nakao, T.	15270
orrow, D. P.						Nakao, T.	10155
orrow, D. P.						Nakao, T.	11523
orrow, D. P.						Nakao, T.	12966
orrow, D. P.						Nakao, T.	12973

Nakai, Y.	10811	11471	12216	14252	14781	Nienhuis, G.	9435	10383	14057
Nakajima, S.	8287	10259				Nienstadt, H.	12934		
Nakamura, H.	7695	8050	10811	11471	12216	Nier, A. O.	10133		
	13444	13926	14252	14737	14781	Niewitecka, B.	14841	14850	14852 14863
	14936	15265	15266	15365		Niki, H.	12431		
Nakamura, K.	11935					Nikitin, A. I.	8486	14819	
Nakano, H. H.	13644					Nikitin, E. E.	8090	9561	11937 12230 12462
Nakata, R.	6567	8904	9620			Nikolaev, B. I.	12472	12582	12852 12969 13257
Nakumura, H.	14667					Nikolaev, V. S.	13751	14000	14838 14879 14881
Nalley, S. J.	5883	12477				Nikolaeva, L. P.	15027	15308	15451
Namiki, M.	10820	14667				Nikulin, V. K.	12862		
Nanbu, K.	7690	9215	10429			Nip, W. S.	11122	13596	15174 15187
Napolitano, L.	13350					Nishikawa, M.	12014	14922	
Nasser, A. E. M.	9593					Nishimura, Y.	9632	11792	13053 14717
Nathan, R. D.	13180	13758				Nitz, D. E.	10817	14614	
Natzle, W. C.	14269					Nitzan, A.	8814	10440	12009
Naumov, V. G.	13143					Noda, N.	12149		
Naveed-Ullah, K.	10821					Noetzel, J.	7732	13167	
Nayfeh, M. H.	7754	7915	8908	12297	13001	Nokes, C. J.	10982	10997	
Nebenzahl, I.						Noma, A.	9793		
Neff, S. H.						Nordholm, K. S. J.	6217		
Neilsen, W. B.						Nordholm, S.	7371		
Neilson, P. V.						9597	10169	10188	10344 13013
Nelson, C. I.						13061			
Nenner, T.						Norris, P. E.	9810	10250	
Neoh, S. K.						Nose, N.	12879	14608	
Nesbet, R. K.						Noter, Y.	14618		
Neshchimenko, Yu.						Notkin, G. E.	13151	15219	
Neuert, H.						Novak, E.	10803	11248	
Neugart, R.						Novak, P.	7640		
Neumann, D.						Novick, R.	9280	9281 10301 13344	
Neumann, H.						Novick, S. E.	15025		
Neuschaefer, D.						Novikova, T. I.	7946	9579 10796	
Newman, D. S.						Nowak, A. V.	11313		
Newton, J. F.						Nowak, G.	6565	6733 7102 7960 8042	
Neynaber, R. H.						Nowak, J. F.	8489	9450 10145 10312 12152	
						15434	13484	13971 14268 14721 15431	
						Nutt, G. F.	6398	10217 13009	
Nguyen, T. D.						Nutt, W. L.	14670		
Nguyen-Tuan, Q.						Nuttall, J.	15004		
Nicholls, R. W.						Nyeland, C.	4538	6295 6605 7220 7962	
Niehaus, A.						O'Brien Jr., R. J.	7963	8409 10813 10815 10819	
						O'Brien, T. J. P.	11112	12255 12486 12568 13228	
						O'Malley, T. F.	13574	13586 13600 14488 14491	
						O'Neill, B. C.	14700	15017 15154 15216 15220	
Nielsen, A. K.	13177	13434				O'Neill, M. R.	13177		
Nielsen, O.	15222					Oates, D. E.	7952	9769 10778 10846 10864	
Nielsen, S. E.	13798	14203	14740	15268		Oba, D.	8999		
Niemax, K.						Obase, H.			

edkov, V. D.	10852	14647	15190		Ono, Y.	15433					
i, K.	14002				Oomoto, H.	10814	11110				
raztsov, Yu. N.	7278				Oparin, V. A.	7793					
hkin, V. N.	8848	15204			Opiela, K. H.	7733					
a, N.	15135				Opila, R. L.	10247					
om, R. W.	11242	12850			Oppenheim, I.	10337	11063	15103			
om, R.	8468	8487	9092		Oppenheimer, M.	13564					
sterlin, P.	9418	9519	10685	14656	Opradolce, L.	12252	14683				
ttinger, P. E.	6603	11028	12119		Oraevskii, A. N.	5427	7612	8486	14819	14822	
ilvie, K. W.	10284	11049	12059		Orbeli, A. L.	15316					
inets, O. V.	6915	9121	10231	12870	13283	Oref, I.	10238				
	13345	15044	15064		Oriov, L. N.	9595					
ryzlo, E. A.	5880	6064	8324	8485	9067	Orlov, V. K.	9981				
	9420					Ormonde, S.	8001	10294			
uinetz, O. V.	10686					Orriols, G.	8866	9885			
urtsov, V. I.	15318	15340	15392	15401		Orsini, N.	10133	11086	13019		
tani, S.	14664					Osgood Jr., R. M.	5968	6017	14826		
ia, P.	15036					Osharov, V. I.	14747				
ia, S. P.	12976	14810	15033			Osipov, A. I.	12191	15281			
a, K.	13513					Osipov, B. D.	15398				
a, T.	9905	11037	11979	14261		Oskam, H. J.	5614	10563	10885	11597	12510
ada, S.	14714	14753					13724				
amoto, T.	14660					Ostapchenko, E. P.	9595				
asaka, R.	14662					Ostroukhova, I. I.	12761				
el, J. G. R.	12083					Ostrovskaia, V. N.	7815	8862	12857	13057	13353
syuk, A. A.	15334						15350				
u, S.	14655					Otten, E.-W.	10803	11248			
unevich, A. I.	13287					Ottinger, C.	6150	11427	12034	12469	14530
uno, K.	11790	14664	14689	14718	14954		15025	15155			
uniyi, H. B.	10045					Ovchinnikov, A. A.	15252				
lenberg, O.	4428					Ovchinnikov, V. L.	7750	7942	12235	13017	15283
lenborg, R. C.	11583	11584	11585	12244		Ovchinnikova, M. Y.	7633	12930	13257	15328	15346
nsted, R. D.	10241	11080	11158	11392		Owens, T. W.	11157	15147			
sen, D. P.	11908					Ozier, I.	12028				
sen, J. O.	7282	9118	10049	10777	11756	Pacak, V.	7674	9889			
	13798	14196	14203	14281	14430	Pace, P. W.	14860	14861			
sen, K. J.	13177	13434				Pack, R. T.	9081	9125	9161	9200	9277
son, J. R.	5507	6850					10272	10435	10878	11095	12260
son, J.	10860						12433	12440	12470	12511	12517
son, R. E.	6965	7009	7185	7264	7364	Padley, P. J.	15260				
	7654	7763	7806	7807	7821	Padovani, F. A.	12032				
	8007	8148	8162	8248	8470	Padrick, T. D.	7774				
	9117	9577	9609	9641	9784	Paerschke, H.	11124				
	9884	9886	10665	10682	11100	Pagnon, D.	9642	11580			
	12507	12546	12929	13230	13358	Pahl, M.	9894	10823	10825		
	13373	13390	13391	13392	13404	Pai, T. G.	10349				
	13680	13747	13757	13959	13972	Paisner, J. A.	6394	13448			
	14049	14532	14640	14642	14821	Palke, W. E.	12606				
	15058	15242				Palkina, L. A.	15325				
awole, A. F.	10045					Palmer, K. F.	8075				
aidvar, K.	7172	13683									
mont, A.	10470	12775	13179								

Palmer, R. E.	7774					Peatman, W. B.	13183	13726				
Palyukh, B. M.	15275					Pebay-Peyroula, J.	6398	11763				
Pan, Y.-K.	6972					Pechukas, P.	8219	10930	11077			
Panchenko, V. Ya.	11914	14421				Pedersen, E. H.	11756	12936	14203	15062	1507	
Panev, G. S.	7613	10216	12187	15399		Pedersen, L.	12497					
Panfilov, V. N.	9895	12234	12933	15047		Pedley, M. D.	9880	15209				
Panov, M. N.	7628	7816	10378	10794	11913	Pegg, D. J.	10871					
	13979	14686	15342	15349		Pendrill, L. R.	9381	9908				
Papakin, V. F.	15397					Penkin, N. P.	5379	5755	10046	10659	1067	
Paphitis, A. C. C.	14977	14978					13255					
Papin, V. G.	6361	8141	11249	15336		Penner, A. P.	8021	13371	13407	13735		
Papp, J. F.	13182	13743				Penselin, S.	13919					
Paraskevopoulos, G.	12128	12480				Percival, I. C.	5790	6857	7893	11114	1352	
Parcell, L. A.	13576						13555	13556	14330			
Parker, G. A.	9161	10878	11095			Perel, J.	13671	13677	13712			
Parker, J. E.	6928	9096	9780	12196	13996	Perel, V. I.	15333					
	14916	14917				Peresse, J.	14755	14802				
Parker, J. G.	6623	10191	10298	10579	10882	Perminov, A. P.	15344					
	10906	11056	15372	15374		Perner, D.	5383	5384	5647	6767	708	
Parker, J. W.	14496						12501					
Parks, J. E.	11190					Pernot, A.	14957					
Parks, J. H.	12754					Perona, M. J.	12130					
Parks, W. F.	13388	14795	15016			Perov, A. A.	7252	10235				
Parks-Smith, D. G.	15294					Perrin, M. Y.	14654	15068				
Parmenter, C. S.	9154	10218	10219	11919	14607	Perry, B. E.	9771	9899	10667			
Parr, T. P.	10192	12203	13967	14723		Persin, A.	6970					
Parrish, D. D.	7634					Pesic, S. S.	13527					
Parson, J. M.	8818					Pesnelle, A.	6653	7959	7961	8017	847	
Pascale, J.	7019	8148	8988	10664	12261		10669	14247	14328	14541		
	14725	15061				Petersen, A. B.	7697	8418				
Paslen, V. N.	15416					Petersen, N. B.	9090					
Pasyukova, L. M.	7291	8146	8896			Peterson, J. R.	8248	12093	13185	13230	1339	
Patel, C. K. N.	11247						13669	13709	13756	15177		
Pattengill, M. D.	7288	7289	8989	9116	9272	Peterson, L. M.	6364					
	11319	11371	11393	12110	12569	Peterson, R. K.	13379					
	14545					Peterson, R. S.	14707					
Patterson, T. A.	12920					Petrashen, A. G.	13284	13292	13295	13296		
Paulson, J. F.	12022	12023	12070			Pettipiece, K. J.	6069	13438	14921			
Pauly, H.	9205	12591	15012	15313	15315	Petty, F.	12473	13734				
Pavlii, M. A.	15421					Pfau, S.	15236					
Pavlov, A. B.	14422					Pfeffer, G.	9891					
Pavlovskaya, E. N.	13276					Phaneuf, R. A.	9609	9886	10949	13168	1340	
Payne, M. G.	6966	7321	7754	7915	8908		14250	14851	14855	14856		
	9584	9874	11797	12202	12223	Phelps, A. V.	6260	9203	12248			
	12297	13001	15018			Philip, V.	7712	7723	9119	12621	1362	
Payne, W. A.	10275					Phillips, D.	13652					
Peacher, J. L.	13403	13417				Phillips, L. F.	5648	6354	7244	9068	1014	
Peacock, J. R.	14548						11896	12430	12446	14649		
Pearson, P. K.	10958					Phillips, R. J.	12500					
Pearson, W. E.	11984	12103				Phillips, W. D.	9142	10657	12763			
Pearl, B.	8822	8823	9778	9779	15211	Piacentini, R. D.	7874	9095	9575	9918	1068	

acentini, R. D.	11806	12252	12254	13206	13522	Poole, P. R.	10194	10195				
	13538	13558	13570	13572	13622	Pop, S. S.	13260	13272	15321	15324		
	13953	15055				Pope, W. M.	7919					
ard, R. H.	6716	7168				Popova, T. N.	6722	9399	9527			
ard-Bersellini, A.	12634	12928	13991			Popp, P.	14391					
kett, H. M.	10334					Poppe, D.	10168	12241	12469	12543	13054	
per, R. J.	8118					Portal, L. M.	13350					
uz, S. A.	12927					Porter, R. N.	10895					
ipovich, D.	7164					Postan, A.	13416					
ling, M.	8827	12067				Posudin, Yu. I.	15245					
nbert, M.	5859					Potter, A. E.	11344					
nentel, G. C.	9903	11047	14360	14625		Potter, J. E.	15130					
ard, M.	9876	14859				Pottier, L. C.	7240	11046				
neau des Forets, G.	14406					Poulaert, G.	14005	14364	14722			
nteck, S.	7313	8830				Poulsen, L. L.	6531	7988	10902	10967	11143	
trovskii, Yu. A.	11085	11794	14352				11924	11951	12757	13974		
er, J. A.	13992	14257				Povarnitsyn, M. S.	15091					
er, L. G.	5764	7285	9072	9785	10274	Powell, H. T.	5929	6961				
kin, F. M.	13745					Powell, J. M.	4910					
kle, R. J.	8439					Powers, T. R.	10911					
kunov, A. K.	9981					Pradel, P.	7185	7787	7821	9111	9865	
chford, L. C.	11105	11468					10679	10680	13425	13754	14294	
re, J.	5362	14845	14851				14671	14672	15172	15197		
s Jr., J. N.	12030					Pradhan, T.	8433					
cidet, P.	13346					Prakash, V.	10409	11152	12868			
mb, I. C.	7819					Pramatarov, P. M.	13058					
o, L. G.	7657	8660				Prangsma, G. J.	14983	14995				
ius, A. V.	10273					Prasad, J.	15114					
llubnyi, L. I.	14893	15338				Pratt, N. H.	11039					
Imoshenskii, I.	13276	13293				Preist, T. W.	11067					
Iolske, J.	15307					Prelac, K.	15284					
, R. T.	9570	11888	11889	14086	14702	Preobrazhenskii, I.	13298					
and, H. M.	12141					Preobrazhenskii, N.	15063					
anyi, J. C.	8011	9862	9900	11026	11425	Preses, J. M.	9408	10887				
	14424	14425	14544	14759	14817	Presnyakov, L. P.	14321	14682	15243	15391	15415	
l, J. D.	11199	14862				Preston, K. F.	12128					
lack, E.	7020	7192	7627	7679	7946	Preston, R. K.	8305	9081	9125	10262	10396	
	9579	10143	10795	10796	12865		10404	10425	10576	10672	11326	
	13200	13233	13370	13749	14707		12260	12584				
	15270					Price, T. C.	12198					
ack, M. I.	8891					Price, T. J.	6921	8484	9114	9202	9414	
ak, E.	9573	13418					14754					
yakova, G. N.	13248	15334	15386			Prilezhaeva, N. A.	9527					
herance, W.	11150					Prins, M.	14393					
nmier, J.	7627	7679	7763	7810	7811	Prior, M. H.	6396					
	7954	8867	9599	9791	10677	Pritchard, D. E.	7822	12762	12763	13694	13973	
	10832	11756	13217	13233	13605		14065	14265	14301	14773		
	14281	14674	14774			Pritchard, H. O.	9601					
ce, V. H.	13222	13380	15137			Pritt Jr., A. T.	7164	8419	9275	12932		
omarev, A. N.	15344					Procaccia, I.	7166	7687	8161	8169	8369	
omarev, L. I.	8145						8820	8825	9565	10270	10332	
sen, G. J.	12512	12557	15184			Proch, D.	9417					

beiro, J. P.	13660		Rodriguez, J. M.	12769
card, A.	9642		Rodwell, W. R.	11511
ce, J. K.	8417	12548	Roeder, M.	13151
ce, S. A.	10344	10432	Roellig, M. P.	11999
	12536	14075	Rogers, W. T.	12227
ce, W. W.	11583	11584	Rogovin, D.	8130
ch, J. W.	15093	15102	Rokni, M.	9206
chards, D.	7765	7893	Ronn, A. M.	5386
	13526	13555		7715
		13556		8498
		13588		8891
		13628		10569
	13800	13961		10887
chardson, W. C.	10925	12502		11060
chman, D. C.	6765	7082	11178	
chman, E.	11933	11165	Roodhart, L. P.	11529
chmond, B. L.	13398		Rordorf, B. F.	14038
dley, B. A.	12475		Rosch, N.	10219
ecke, G.	9635	10783	Rosen, D. I.	10152
eper, R. G.	11132	13942	Rosen, D.	6522
era, A.	7667	7844	Rosen, H.	6659
	12254	10230	Rosenberg, A.	10886
		10327	Rosenfeld, E.	11384
ggin, M.	8261	10666	Rosenthal, H.	14911
ley, M. E.	13368	13399	Roslyakov, G. V.	11586
nger, G.	10863	14741	Rosner, S. D.	13195
ola, J. P.	13163	13218	Ross, J.	13723
onn, A. M.	5409	15448	Ross, U.	15422
seberg, L. A.	13388	15179	Rosser Jr., W. A.	9290
sley, J. S.	7578	15181	Rossetti, C.	14704
	7790	15182	Rost, K. A.	13970
	10198	10458	Rost, K. J.	14509
	13406	10833	Rotenberg, M.	14527
	13419	11795	Roth, E.-P.	12065
	13436	11807	Roth, P.	12078
tchie, B.	13165	13700	Roth, K. A.	8160
tke, D. N.	14606	14694	Rothwell Jr., H. L.	11386
	13191	13684	Rotzoll, G.	12434
	10298	13703	Roueff, E.	12506
	10579	10882	Roussel, F.	13715
	15372	10906	Roth, E. W.	5647
tyn, E. N.	15374	11056	Roth, P.	6663
tyn, E.	6520	9098	Rothe, E. W.	11342
varola, R. D.	13242		10293	
obb, J. C.	15055		Rothwell Jr., H. L.	7771
obben, F.	7234		10308	
oberts, R. E.	15267		Rothwell Jr., H. L.	8974
	6217	11070	10300	
	8817	11205	Roueff, E.	9892
	11948	11949	12464	
	12065	12078	Roussel, F.	10260
oberts, T. D.	11377	12096	Rothwell Jr., H. L.	14266
obertson, A. M.	11179		Rothwell Jr., H. L.	14782
obertson, W. W.	9780		Roueff, E.	9094
	11018	11194	Roussel, F.	9207
	15438		Rothwell Jr., H. L.	12530
obin, M. B.			Roueff, E.	13235
obinson, E. J.	5767		Roussel, F.	9067
obinson, H. G.	14295		Rothwell Jr., H. L.	10680
obinson, R. S.	11404		Rothwell Jr., H. L.	13425
obrish, P.	15206		Rothwell Jr., H. L.	15197
ocard, J.-M.	10256		Roueff, E.	9823
occhiccioli, J. L.	6096		Roueff, E.	12765
ockwood, A. L.	5864		Roueff, E.	13645
odbro, M.	10140		Roueff, E.	13921
odd, N. R.	10812		Roueff, E.	15014
	13348		Roueff, E.	11133
			Roueff, E.	11938
			Roueff, E.	12068
			Roueff, E.	9269
			Roueff, E.	10418
			Roueff, E.	15020
			Roueff, E.	9643

Ruderman, M. A.	12948						Salin, A.	14302						
Rudge, M. R. H.	13540	13607					Saliya, Z. E.	10780	14799	15430				
Rudolph, K.	7795	8850	8992				Salop, A.	7806	8170	8470	9609	988		
Rudolph, R. N.	12859						Salvatelli, E. R.	7222	13699					
Ruegg, T.	14071						Salzborn, E.	8173	8863	9518	9610	1439		
Ruf, M. W.	10815	10819	12255	14488			Samokhin, A. N.	14647						
Rulis, A. M.	7918	14759					Sams, W. N.	11385	12058					
Rundel, R. D.	6405	6780	6863	7478	10817		Samson, A. V.	10674						
	11505	13163	13218	14614	14729		Sanctuary, B. C.	7231	9859	15202				
	14730	14931	15448				Sanders, R. A.	8838	9587					
Russ, C.	10333						Sangster, D. F.	14361	14510					
Russek, A.	10801	12865	13396	13727	14281		Santoro, R. J.	10261	10426	12200				
Russell, D.	10436	10581					Sarjeant, W. J.	14825						
Russell, J. D.	11159						Sarret, M.	13010						
Rutherford, J. A.	7852	7853	8429	10291	10988		Sartakov, B. G.	9736						
	11052	11154	11155	11362	11400		Sarver, K. P.	13716						
	11891						Sasaki, T.	14940						
Rutkovskii, K. S.	14423						Sataka, M.	15135						
Rutscher, A.	15236						Satarov, L. M.	15358						
Ryabenko, A. G.	8151	11610					Sathyamurthy, N.	9077	9862	10245	11425	1454		
Ryan, K. R.	7169	8849	10873	11131	11991		Sato, H.	13926	14737					
	12075						Sato, S.	15024						
Ryan, S. R.	9893						Sato, Y.	12428	14251	14660	14680	1493		
Ryazanov, N. S.	15106						Sauers, I.	14948						
Ryufuku, H.	13980	14353	15054				Saunders Jr., A. W.	13426	15285					
Saban, G. H.	11134	11193					Savchin, L. S.	8286						
Sabbagh, J.	10144	14397					Savinov, S. Yu.	15275						
Sachs, J. G.	10172	13990					Savola Jr., W. J.	15204						
Sackett, P. B.	5536	6017	7870	14826			Savukynas, A. J.	13370						
Sadeghi, N.	6398	10144	10217	11763	13009		Saxon, R. P.	11521						
	14397						Sayarov, Yu. S.	5608	9784	10665				
Sadowski, C. M.	7284						Sayer, B.	8020	10151	10862				
Sadziuviene, S. D.	11521						Sazonov, I. E.	12746						
Saenger, K. L.	14546						Schade, E.	7295						
Safaryan, M. N.	14899	15084	15227				Schadlich, E.	10104						
Saha, B. C.	14653						Schaefer III, H. F.	15315						
Saha, H. P.	7802	9639	13960				Schaefer, J.	10573	10958	11025	11327	1194		
Saha, S.	6980	8901	9212	9576	11600		Scharmann, A.	6969	10405	10577	12553	1257		
	12758	12860	13599	13631			Schartner, K.-H.	7945						
Sahai, Y.	14976						Schatz, G. C.	7926	7945					
Sahm, A.	9581						Schatz, J. F.	7831	7832	7834	9276	929		
Saintout, L.	7241	14958	15408				Schauble, W.	9907	11238	11475	11757	1218		
Saksena, M. P.	6657	6814	8259	10313			Schawlow, A. L.	12982	14085	14752	15128			
Saktreger, R.	11522	11755					Schearer, L. D.	8884						
Sakurai, K.	8841	11989	12033	12095	12101		Scheid, W.	12013	14612	15039				
	12105						Schepper, W.	9269						
Salamero, Y.	10995						Schiff, H. I.	12032	12188	13388	14795	1501		
Salem, L.	15144						Scheide, W.	15173	15179	15181	15182			
Salin, A.	7874	9575	9918	10050	10327		Scheppe, W.	10546						
	10676	11588	11806	13206	13209		Schiff, H. I.	10787	14527	14704	14771			
	13522	13552	13572	13589	13622		Schiff, H. I.	7284	8485	9067	11328	1192		

Shaporenko, A. A.	15319	15384	15387	15393	15400	Shirai, T.	10811	11471	12216	14252	1478
Sharfin, W.	14563					Shirley, J. A.	9798				
Sharma, R. D.	5926	6531	6716	7168	10325	Shizgal, B.	7755	11172			
	10969	11329	12010	12086	12094	Shlyakhtenko, N. V.	7278				
	12576	12596	12615	13445		Shlyapnikov, G. V.	12761	13920			
Sharma, S.	13957	14663				Shmatov, I. P.	13920				
Sharp, R. C.	12869	12943				Shmit, O. A.	10467				
Sharp, T. E.	13739					Shobatake, K.	10583				
Sharpless, R. L.	9222	14522	14762			Shoemaker, R. L.	13170				
Shastry, C. S.	13686	13697				Sholeen, C. M.	7634				
Shaw, M. J.	8996	10229	11188	12461	13519	Shortridge, R. G.	6389	7156	8122	12631	
	13520	14889	15066			Shotton, K. C.	11017				
Shay, T.	11915	14828	14830			Shpenik, O. B.	7613	7750	7942	10216	122
Shcheglov, V. A.	7612						13245	13253	13265	13268	152
Shchemelinin, S. G.	15390						15331	15339	15399	15428	154
Shcherbinina, V. N.	15047					Shui, V. H.	10876				
Sheldon, J. W.	11907	15183				Shuker, R.	7016	7283			
Shelepin, L. A.	9736	15281				Shukhtin, A. M.	6043				
Shelton, D. P.	10469					Shukla, R. V.	12047				
Shelton, W. N.	13701					Shushin, A. I.	11906	12230			
Shemansky, D. E.	8394					Siara, I. N.	7843	14846	14848	14858	
Sheng, D. T.	11398					Sibata, A.	15199				
Sheorey, R. S.	12877					Sidis, V.	7627	7679	7763	7810	78
Shergin, A. P.	14701						7954	7955	8867	9599	97
Sheridan, J. R.	7932	8387	11754	13446	13709		9791	10781	10782	11117	117
	14276	14713					12256	13559	13577	13591	136
Sheridan, W. F.	4428						13633	13657	14281	14294	146
Shevelko, V. P.	8942	12238	14682	15335	15391	Siebeneck, H. J.	9436				
	15415	15420				Siebert, D. R.	6569	8202	10403	12006	125
Shevera, V. S.	7814	15282	15402			Sieck, L. W.	6390				
Shevtsov, M. K.	6043	10214				Siedler, D.	8468				
Shibuya, K.	11899	14548				Siefert, E. E.	11166	11167			
Shields, F. D.	9624	10973	11021	11210	11345	Siegel, M. W.	7176	12920	13159		
	14794	15371	15377			Sierra, R. A.	15210				
Shields, R. H.	13403	13417				Sigmund, P.	11408				
Shimakura, N.	14660					Sil, N. C.	7161	7267	7802	8469	96
Shimamura, I.	13926	14705	14737				13374	13553	13924	13960	146
Shimizu, T.	8227	9078	11405	12580		Silbey, R. J.	10440				
Shimoda, K.	9860					Silfvast, W. T.	14827				
Shimoni, Y.	7166	7700	8912	9109	9150	Silver, D. M.	11406				
	9562	9565	9588	10652	13620	Silver, J. A.	9586				
Shin, H. K.	6277	6632	6778	6948	7061	Sim, W.	9384				
	7196	8010	8147	8208	8836	Simmie, J. M.	7729	7730	8425	9174	125
	9156	9594	9622	9749	9973		15259				
	10095	10289	10391	10401	10412	Simonis, J.	11427	15155			
	10559	11140	11163	11369	11587	Simons, J. W.	12500				
	11925	12011	12426	12448	12453	Simons, J.	7998				
	12482	12540	12556	12589	12597	Simpson, C. J. S.	6921	7647	7729	7730	84
	12632	13994	14768	14793	15301		8440	8484	9114	9174	92
	15304	15305	15306				9414	10996	12198	12560	144
Shipsey, E. J.	6965	7264	7763	7807	8007	Simpson, F. R.	7930	13580			
	8162	9166	9577	10437	10899		14754	15258	15259		
	11023	11100	11121	13972							

anoglu, O.	7064		Smith, D.	14241	14355	14784	14909	14913
da, T.	15178		Smith, E. W.	9789				
ha, M. P.	10910		Smith, F. J.	13677				
ha, S.	7268	8300	Smith, F. T.	7044	9791	10849	13373	13682
ler, D. P.	14929			14821				
azetdinov, V. S.	15392		Smith, G. K.	12443	14824			
e, E. O.	13802	15110	Smith, I. W. M.	5800	6636	6656	7159	7160
ka, P. E.	6326	8899	10410	13801	8087	8088	8128	8360
alinski, T.	14863			8427	9406	9411	9598	10194
alko, O. A.	15399			10195	11144	12459	12475	12524
ardis, G. M.	14849	14853	Smith, K. A.	14032	14820	15296		
nner, G. T.	7908			7478	9765	10817	11113	11505
ubelev, I. Yu.	12253		Smith, K. M.	14614	14730			
adje, R. T.	8990	9211	Smith, K.	7918	13238			
sfronick, J. G.	7919	10567	Smith, N.	10294				
nieczny, J.	13400	13411	Smith, R. D.	12762	14065	14265	14773	
rodumov, A. V.	12669		Smith, R. L.	12595	12624			
ibnevskaya, G. I.	14756		Smith, W. D.	9990				
dra, A. Ya.	15132		Smith, W. H.	12517				
use, B. M.	11799		Smits, R. M. M.	11956				
nger, T. G.	5388	5886	5962	7265	8136	Snelling, D. R.	14393	
	8205	8213	8420	9222	10249	Snider, N. S.	15183	
	10905	10963	11106	11107	11339	Snider, R. F.	11324	12137
	12108	13352	14271	14762			10580	11966
er, N. K. H.	9896					Snow, W. R.	7231	10341
er, R. C.	12877					1324	10345	10346
vik, V. N.	7252	10235	Snuggs, R. M.	12474		10922		11197
vin, J.	13173		Snyder, R.	13698				
ek, V.	11926		Sobolev, N. N.	13214				
an, J. J.	14037		Soboll, H.	8848				
ane, C.	10425		Sobral, J. H. A.	15204				
ane, T. M.	10881		Sokolov, A. P.	12979				
odskaya, P. V.	5756	6490	7278	8126	9098	Sokolov, V. P.	13262	
	13247		Solc, M.	15042				
comb, C. A.	11025	11327	Soldo, D.	13152				
him, V. Z.	10827		Solheim, B. H.	6970				
sher, R. E.	13190		Solomon, W. C.	12233				
ters, T.	15284		Solovyev, E. A.	5674	11157	15146	15147	
eyers, Y. G.	14273		Solovyev, T. N.	10804	15350			
rnov, B. M.	8302	12761	13264	14000	14685	Soltysik, E. A.	14663	
	14711	14788	14895	14896	15037	Son, E. E.	5865	
	15325	15326	15329	15332	15417	Sondergaard, N. A.	14800	
rnov, V. A.	13259	13290	15205			Sooriamoothi, C.	9231	
rnov, V. B.	6915	9121	10231	10686	12870	Sorensen, B. V.	13437	
	13283	13345	15044	15064		Sorensen, G. B.	14665	
th, A. C. H.	13204	15176				Sorensen, G. B.	10338	10904
th, A. L.	12450		Sorokin, A. F.	11187		Sorokin, A. F.	14872	
th, B. T.	12766		Sorokin, N. I.	12974		Sorokin, N. I.	7814	15282
th, D. L.	10514	11340	12624	12850	14902	Sosinskii, M. L.	14756	15402
	15145					Soskida, M.-T. I.	6280	
th, D.	7218	11616	12875	13512	13954	Souter, V. V.	7942	
						Spangenberg, H.-J.	9813	9814

R. T. M.	9441		Takahashi, Y.	9097
T.	7203	10960	Takahasi, M.	15199
ba Rao, V.	6391		Takao, S.	14724
hannek, R. G.	7932	8387	Takayanagi, K.	9821 13650
hard, S. N.	7675	13446	Takayanagi, T.	14698 14699
mitsu, M.	6567	8904	Talroze, V. L.	6361 8151 11610
ss, G. N.	6106		Tam, A. C.	15336 15344
re, D. R.	5296		Tam, W. G.	11470 12192
ta, T.	14922		Tamanis, M. Ya.	5397 12514 14847
or, J. W.	9102		Tamir, M.	14857
, H. C.	9909		Tan, G.	10467
hareva, L. K.	7278		Tanaka, I.	8163
umar, C. V.	9792		Tancic, A. R.	12614
eebka, K. P.	15100		Tang, C. L.	12092 14002
ces, M.	14075		Tang, K. T.	14053 15433
ivan, T.	13708		Tang, K. Y.	13549 15095
g, C. C.	12941		Tang, S. Y.	9440 11296 12296
ner, J.	15013			13343
S. K.	13924	14652		7060 7089 7323
al, D. P.	13651			7837 7993
ko, C. M.	13190		Tarasenko, V. V.	8991 9570 11888
se, K.-E.	11124	11126	Tardy, D. C.	11889 14086
Sherley, T. A.	7768	8465	Tarr, S. M.	
Ser, D.	9915		Tassa, R.	15205
Son, D. G.	7675	9151 11241	Tatarczyk, T.	11911 14244
Sakawa Jr., H. H.	10224	11987	Tatarinov, M. A.	9175 10226 10227
Saki, H.	10814	11110 14698	Taube, H.	14300
Saki, T.	9860	14699	Taulbjerg, K.	
Sala, R. A.	11931		Tawara, H.	14914
Sain, P. A.	6911	6936	Taylor, A. J.	7039 12583
Sat, R. D.	13186		Taylor, G. K.	13982
Sards, M. D.	13652		Taylor, G. W.	5462
S. A.	15056		Taylor, H. S.	11944
Sio, I.	14906	15013	Taylor, J. E.	12936 14427 14684
Ste, A.	5299	5409 5419	Taylor, R. L.	14765
	9434	7016		5563 15309
	12975	10560 10703	Teare, J. D.	11955
Ss, S.	9795	10969 12629	Tedder, J. M.	5622 10390 12109
Ster, B. J.	7202	13347	Teets, R. E.	14813 14919
Tsz, G. C.	10469		Teitelbaum, H.	15162
Tor, M.	13922		Tellinghuisen, J.	12109
Tachi, D.	11388		Teloy, E.	14787
Tsubana, K.	6852		Ten Brink, H. M.	6495 10211 14779
Talipour, A.	14770		Tennyson, P. D.	5648
Tauer, E.	12861		Ter Horst, G.	11612 14332
Tuchi, R. T.	14817		Tereshchenko, E. N.	14240
T. H.	13387	13597	Terwilliger, D. T.	14694
Tb, G.	7645	8833 8841	Teubner, P. J. O.	13147
Tie, J.	8858	14965	Teyssier, J. L.	7622 8149 9774
T. K. S.	10571	11160	Thaddeus, P.	13475
				7610 12876
				13687 13688
				6654 10102 10995
				6258 8210

Thayer, C. A.	10273	11173				Tom, A.	14981	14994
Thean, J. E.	14908	14910	14915			Tomcho, L.	11061	
Theard, L. P.	10414					Tommasini, F.	7922	
Thiele, E.	10584	10585	10586	10898	11390	Top, Z. H.	11092	12603
	11391	14869				Torello, F.	7922	14521
Thielmann, U.	10813	11112	14677			Torr, D. G.	10133	11086
Thieneman, M.	8075					Torr, M. R.	10133	13141
Thomas, B. K.	6502	8191	13721			Torres, B. W.	10294	
Thomas, E. W.	7788	7991	13426	13704	13759	Toschek, P. E.	12882	
	15285					Toshima, N.	7621	9525
Thomas, L. D.	9881	10137	10786	11091	11810	Touzeau, M.	9819	14283
	13349	14072				Tracy, C. J.	11597	12510
Thomas, R. G. O.	6679	9421	9815	9816	9817	Trainer, M.	10104	14093
Thomas, S. J.	6069	13438	14921			Trainor, D. W.	7331	8123
Thommanson, R. L.	5430	5436	9076	10964	10968	Tramer, A.	10287	9194
	12097					Treanor, C. E.	9626	10566
Thompson, D. L.	9082	10224	10311	10430	11042	Trekhov, E. S.	6893	12009
	11151	11176	11177			Tric, C.	7908	12570
Thompson, R. T.	7360					Trinh Duc, K.	15278	15327
Thorsell, D. L.	9514	9924				Tripathi, A. N.	10441	13355
Thorson, W. R.	12217	12218	12745	13720	13752	Tripathi, D. N.	9180	15123
	13753	14080	14837	14840		Tripathy, D. N.	15185	13365
Thrush, B. A.	5401	5880	6064	6679	8911	Tripodi, R.	11171	13578
	9421	9815	9816	9817	10053	Tritella, P.	11469	15186
	15261	15310				Trobs, V.	1176	14935
Tibilov, A. S.	6043					Troe, J.	7328	12052
Tichy, M.	14241	15071				Trotskii, Yu. V.	9199	12112
Tien, H.	7371					Trotman, S. M.	15352	
Tiernan, T. O.	5794	5917	9091	10572	11142	Trubacheev, E. A.	14510	
	11355	11953	12454	12876	15444	Truby, F. K.	8848	
Till, S. J.	14292					Truhlar, D. G.	12548	
Tipton, C. A.	11404					Troitskii, Yu. V.	6929	7626
Tisone, G. C.	6289					Trotman, S. M.	9569	8852
Tiwari, P.	12976	14810	15033			Trubacheev, E. A.	11898	9070
Tjon, J. A.	12611					Trubacheev, E. A.	12116	9990
Tkach, R.	13343					Truhlar, D. G.	11898	10962
Tkachenko, N. F.	13247					Tsao, C. W.	11898	110
Todorov, G.	13256					Tschaikow-Roux, E.	12116	14518
Toennies, J. P.	6752	6754	7794	7795	8262	Tsien, T. P.	12077	15
	8850	8887	8902	8992	9075	Tsikora, I. L.	10878	12433
	9189	9888	12432	12438	12539	Tsiple, M. Yu.	13367	12440
	13970	14051	14234	14509	14516	Tsou, L.-Y.	5758	12470
	14785	14867	15314			Tsuchiya, S.	6660	12470
Togreas, J. B.	7924					Tsuji, K.	14502	
Tognetti, V.	11300					Tsuji, M.	5791	14498
Togun, E. A.	10045					Tsunashima, S.	6324	14939
Tokhadze, K. G.	14423					Tsunematsu, T.	9097	15022
Tolk, N. H.	7732	13167	13188			Tsurubuchi, S.	6934	15139
Tolmachev, Yu. A.	6339	6915	9121	10046	10231	Tuan, V. N.	13053	15141
	10659	10686	11085	11794	12870	Tsunashima, S.	9162	15199
	13266	13269	13274	13275	13286	Tsunematsu, T.	14937	
	13345	14259	14352	15021	15044	Tsurubuchi, S.	14661	14664
	15064	15407				Tuan, V. N.	10677	14717
Tolstolutskaya, G.	15386					Tuan, V. N.	13410	

dorache, S. S.	9563						Van	De	Runstraat,	C.	A.	6930
dorache, S.	15413	15414					Van	Den	Bergh,	H.		15314
ffin, F.	14755	14802					Van	Den	Bos,	J.	12051	14884 15436
lly, J. C.	7732	10267	10360	10404	10416		Van	Den	Meijdenberg,	C.	14995	
	11326	12106					Van	Der	Elsken,	J.	11351	
rchetti, G.	12185						Van	Der	Linde,	J.	8883	14859
rfa, A. F.	14073						Van	Der	Maas,	Cj.	5568	
rkenburg, W. C.	15000						Van	Der	Merwe,	S.	8360	
rner, B. R.	10988	11052	11154	11362			Van	Der	Valk,	F.	15032	
rner, G. S.	12473						Van	Dop,	H.		14990	14996
rner, J. E.	9001	11820	13420	15018			Van	Helvoort,	H.		9147	
rner-Smith, A. R.	13583						Van	Itallie,	F. J.		11045	12535
sa, J.	14075						Van	Kranendonk,	J.		13447	
ddy, N. D.	12461	13512	13519	13520	13981		Van	Kreveld,	M. E.		11351	
	13997	14241	14811	15071			Van	Montfort,	J. T		10424	11135
ufuku, H.	8930						Van	Schaik,	N.		14393	
seth, H.	7345	7799	10417	10824	12123		Van	Volkenburgh,	G.		10884	11353 11968
da, K.	14641	14658					Van	Wassenhove,	G.		9146	10678 10810 10836 14005
da, Y.	9078						Van	Zandt,	T. E.		14364	
matsu, M.	14733						Van	Zyl,	B.		14930	
no, T.	8229	10167	14724				Van				9280	9281 10300 11594 11606
antsev, A. D.	15243						Vanpee,	M.			13344	14266
ich, H.	9073	11510	14613				Vargin,	A. N.			15138	
aanskii, I. M.	8220	9645					Varney,	R. N.			7291	8146 8423 8896
ianskii, S. Ya.	5434	5946	7242	10232	12852						9894	10316 10823 10825 13681
	14881	15229	15308				Varshalovich,	D. A.			14399	
hemoto, H.	15024										10135	
g, A. Y.-M.	8826						Vartanyan,	T. A.			14040	
akawa, J.	15135						Vasilenko,	L. S.			13246	
ano, Y.	9099						Vasilev,	G. K.			6361	8141 8151 8895 11249
ata, N.	13211						Vassilev,	G.			11610	15336
nov, A. M.	8942	13250	15335								7177	8998 9614 10802 13173
su, D.	8127						Vasu,	P.			13194	
, G.	10985						Vaughn,	C.			11779	
nakov, V. V.	13270						Vdovin,	Yu. A.			11757	
erback, N. G.	11606						Veatch,	G. E.			8364	
aben, J.	9768	12936	14684				Vedder,	M.			5614	
ssade, A.	14968						Vedel,	K.			10143	10795 10796 12865 14707
ance, A.	7804	10251	13425	13754	14288		Vedenov,	A. A.			13143	
	14669	14670	15172	15197			Veerabhadra Rao,	I.			6391	
busa, U.	7922						Vehmeyer,	H.			15012	
ckx, F. P. G.	7671	7808					Veith,	F.			6964	7281 7951 9635
entine, N. A.	11114						Veje,	E.			7669	7943 9090 15222
entini, J. J.	14546						Velasco,	R.			12034	
ignat, S.	15169						Velazco,	J. E.			5764	6059 7181 8897 10274
iron, P.	8843	14683									14108	15249
lauri, R.	11300						Verdeyen,	J. T.			10100	13718
Aalst, R. M.	11351						Verter,	M. R.			8140	10299 10688
De Ree, J.	10424	11130	11135	11141	12083		Vestal,	M. L.			11800	11801
	12121						Vetchinkin,	S. I.			8220	9645

Vetter, R.	8301	11821	12867						Wahnon, P.	10230	10666	11756	15029
Vidal, C. R.	13055								Wainger, M.	14773			
Vidaud, P. H.	7661	8510	14787						Wakeham, W. A.	7768	8465		
Vidaud, P.	15138								Wakiya, K.	10814	11110	14698	14699
Vidmar, R. J.	14276								Walentynowicz, E.	13168	14855	14856	
Vienne, J. F.	7709								Walker, J. C. G.	10133			
Vienne-Casalta, D.	6678	7255							Walker, R. B.	13060	13969	14356	14875
Viggiano, A. A.	14769								Walker, R. E.	6291	7155		
Vikis, A. C.	7699	11895	11900	11942	12554				Walker, R. H.	13691			
	12565	14650							Wallace, R.	13371	13407	13557	13735
Vilallonga, E.	14234								Wallace, S. C.	5540			
Vilaseca, R.	6601	7672							Wallach, D.	11043			
Vilessov, F. I.	13894								Wallenstein, R.	6394			
Villarreal, P.	14273								Waller, R. A.	8416	14829		
Vinogradov, A. V.	8942	12253	13250	15335	15420				Walsh, P. M.	5797			
Vinogradov, I. P.	13894								Walsh, R.	15007			
Violino, P.	12871								Walters, G. K.	6863	9201		
Vishwamittar	12226								Walther, H.	14071	15171		
Vitlina, R. Z.	7004	8311	15322	15347	15356				Wampler, F. B.	9924	11583	11584	11585
Vitshas, A. F.	13143								Wang, C. C.	6521			
Vogl, G.	13630								Wang, C. H.	11050			
Vogler, M.	12750								Wang, C.-S.	13676			
Vogt, D.	7733	9136	10044	15219					Wang, E. C.	6396			
Volovich, P. N.	7942	12235	13017						Wang, J. C. F.	10892			
Volpyas, V. A.	7938	15401							Wang, J. H. S.	5768	10307	10877	12552
Voltz, R.	12491								Wanner, J.	9404	9900		
Volz, D. J.	13698								Warder Jr., R. C.	15404			
Von Busch, F.	7170								Ware, W. R.	11961			
Von Engel, A.	7661	8510							Wareing, D. P.	13997			
Von Rosenberg Jr., C.	5751	10258	10287	10566	11039				Warf, C. C.	10973			
	12100	12109							Warmack, R. J.	10830	11244	14500	
Von Seggern, M.	12432								Wartell, M. A.	7207	10984	11365	11908
Vonderschen, M.	15315								12429				
Vora, R. B.	13420								Washida, N.	7335	10259	12092	
Voronchev, A. T.	5462	14894							Wassam Jr., W. A.	8143	9110	14253	15126
Vorontin, A. I.	14838								Watadani, K.	8374			
Vroom, D. A.	7852	7853	8429	10291	10988				Watanabe, T.	8930	9002	9596	10698
	11052	11154	11155	11362	11400				13980	14261	14353	14937	149
	11891								15054	15163			
Vu Ngoc Tuan	14674	14695	14774	15241					Watel, G.	6653	7959	7961	8017
Vuinovich, V.	9286	9937	10865						10669	14328	14541		
Vuiovich, M.	15349								Watson, K. M.	13222	13380	13676	13738
Vujovic, M.	10051	10800	13207	13530	13581				Watson, P. J. S.	11174			
	14678	14679							Watson, W. D.	8092	9378	12208	12978
	11993								14517				
Waddell, B. V.	12236	14068							Wauchop, T. S.	11011	14969		
Wade, M. K.	14495								Way, K. R.	7924	12763		
Wadehra, J. M.	10923	10991	12949						Waynant, R. W.	11776	11805	13476	13479
Wagner, A. F.	6966	7321	7915						Wayne, R. P.	7243	8424	8510	15362
Wagner, E. B.	4947								Weare, J. H.	10902	11391	15120	
Wagner, K. H.	12949								Weaver, L.	9646			

ob, C. E.	13169	13231	13583	13595	13625	Wiesemann, K.	14687
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, W. P.	6405	6780	9765	14931			
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