

Branching fractions in dissociative recombination of CH₂+
LARSON A, LE PADELLEC A, SEMANIAK J, et al.
ASTROPHYSICAL JOURNAL
505 (1): 459-465 Part 1, SEP 20 1998

ANDERSEN LH Production of water molecules from dissociative recombination of H₃O⁺ with electrons PHYSICAL REVIEW LETTERS 77 : 4891 1996

BATES DH PJ 306 : L45 1986

BATES DR DISSOCIATIVE RECOMBINATION PHYSICAL REVIEW 78 : 492 1950

BATES DR RECENT STUDIES ATOMI : 1 1987

DALGARNO A ATOMIC MOL OPTICAL P : 919 1996

DATZ S DISSOCIATIVE RECOMBINATION OF H₂D⁺ - CROSS-SECTIONS, BRANCHING FRACTIONS, AND ISOTOPE EFFECTS PHYSICAL REVIEW A 52 : 2901 1995

DATZ S BRANCHING-PROCESSES IN THE DISSOCIATIVE RECOMBINATION OF H-3(+) PHYSICAL REVIEW LETTERS 74 : 896 1995

DJURIC N SCI PROGRAM ABSTRACT 2 : 1997

DOUGLAS AE APJ 94 : 391 1941

GREDEL R THE ABUNDANCE OF CH⁺ IN TRANSLUCENT MOLECULAR CLOUDS - FURTHER TESTS OF SHOCK-MODELS ASTRONOMY AND ASTROPHYSICS 269 : 477 1993

GREEN S METASTABLE ISOMERS - NEW CLASS OF INTER-STELLAR MOLECULES ASTROPHYSICAL JOURNAL 229 : 121 1979

GUBERMAN SL PROG ASTRONAUT AERON 103 : 225 1986

HERBST E CHEMISTRY IN THE INTERSTELLAR-MEDIUM ANNUAL REVIEW OF PHYSICAL CHEMISTRY 46 : 27 1995

HERBST E WHAT ARE PRODUCTS OF POLYATOMIC ION-ELECTRON DISSOCIATIVE RECOMBINATION REACTIONS ASTROPHYSICAL JOURNAL 222 : 508 1978

HERBST E New dissociative recombination product branching fractions and their effect on calculated interstellar molecular abundances ASTROPHYSICAL JOURNAL 485 : 689 1997

LEPADELLEC A PHYS SCR 57 : 215 1998

LARSSON M Dissociative recombination with ion storage rings ANNUAL REVIEW OF PHYSICAL CHEMISTRY 48 : 151 1997

LARSSON M Dissociative recombination of H₂D⁺ and the cosmic abundance of deuterium ASTRONOMY AND ASTROPHYSICS 309 : L1 1996

LARSSON M DIRECT HIGH-ENERGY NEUTRAL-CHANNEL DISSOCIATIVE RECOMBINATION OF COLD H₃⁺ IN AN ION STORAGE RING PHYSICAL REVIEW LETTERS 70 : 430 1993

LE PADELLEC A A merged-beam study of the dissociative recombination of HCO⁺ JOURNAL OF PHYSICS B- ATOMIC MOLECULAR AND OPTICAL PHYSICS 30 : 319 1997

LIGHT JC STATISTICAL THEORY OF BIMOLECULAR EXCHANGE REACTIONS DISCUSSIONS OF THE FARADAY SOCIETY : 14 1967

MILLAR TJ THE SENSITIVITY OF GAS-PHASE MODELS OF DENSE INTERSTELLAR CLOUDS TO CHANGES IN DISSOCIATIVE RECOMBINATION BRANCHING RATIOS ASTRONOMY AND ASTROPHYSICS 194 : 250 1988

MILLAR TJ The UMIST database for astrochemistry 1995 ASTRONOMY & ASTROPHYSICS SUPPLEMENT SERIES 121 : 139 1997

MITCHELL JBA The recombination of electrons with complex molecular ions INTERNATIONAL REVIEWS IN PHYSICAL CHEMISTRY 16 : 201 1997

MITCHELL JBA THE DISSOCIATIVE RECOMBINATION OF MOLECULAR-IONS PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS 186 : 215 1990

MOWAT JR HIGH-RESOLUTION, LOW-ENERGY DISSOCIATIVE RECOMBINATION SPECTRUM OF (HEH+)-HE-3 PHYSICAL REVIEW LETTERS 74 : 50 1995

MUL PM MERGED ELECTRON-ION BEAM EXPERIMENTS .4. DISSOCIATIVE RECOMBINATION FOR THE METHANE GROUP CH₃+, ..., CH₅⁺ JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 14 : 1353 1981

OREL AE Resonance-enhanced dissociation of a molecular ion below its electronic excitation threshold PHYSICAL REVIEW A 54 : 4992 1996

OREL AE EFFECTS OF OPEN INELASTIC CHANNELS IN THE RESONANT DISSOCIATIVE RECOMBINATION OF HEH+ PHYSICAL REVIEW LETTERS 74 : 4807 1995

OREL AE RESONANT DISSOCIATIVE RECOMBINATION OF H-3+ PHYSICAL REVIEW LETTERS 71 : 4315 1993

PECHUKAS P ON DETAILED BALANCING AND STATISTICAL THEORIES OF CHEMICAL KINETICS JOURNAL OF CHEMICAL PHYSICS 42 : 3281 1965

ROUEFF E B SFP 109 : 7 1997

SEMANIAK J Dissociative recombination and excitation of CH₅⁺: Absolute cross sections and branching fractions ASTROPHYSICAL JOURNAL 498 : 886 1998

STERNBERG A CHEMISTRY IN DENSE PHOTON-DOMINATED REGIONS ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES 99 : 565 1995

STROMHOLM C Dissociative recombination and dissociative excitation of (HeH+)-He-4: Absolute cross sections and mechanisms PHYSICAL REVIEW A 54 : 3086 1996

VANDISHOECK E ASTROPHYS J S 62 : 109 1987

VEJBYCHRISTENSEN L Complete branching ratios for the dissociative recombination of H₂O+, H₃O+, and CH₃+ ASTROPHYSICAL JOURNAL 483 : 531 1997

WIGNER EP ON THE BEHAVIOR OF CROSS SECTIONS NEAR THRESHOLDS PHYSICAL REVIEW 73 : 1002 1948

WILLIAMS TL Production and loss of the water-related species H₃O+, H₂O and OH in dense interstellar clouds MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY 282 : 413 1996