

**Resonant ion-pair formation and dissociative recombination in electron collisions with
ground-state HF⁺ ions**

DJURIC N, DUNN GH, AL-KHALILI A, et al.

PHYSICAL REVIEW A

64 (2): Art. No. 022713 AUG 2001

ABRAHAMSSON K CRYRING - A SYNCHROTRON, COOLER AND STORAGE-RING NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS 79 : 269 1993

ALKHALILI A THESIS STOCKHOLM U S : 2000

AMITAY Z Dissociative recombination of CH⁺: Cross section and final states PHYSICAL REVIEW A 54 : 4032 1996

AMITAY Z Dissociative recombination of cold OH⁺: Evidence for indirect recombination through excited core Rydberg states PHYSICAL REVIEW A 53 : R644 1996

BERKOWITZ J PHOTOIONIZATION MASS SPECTROMETRIC STUDY OF F₂, HF, AND DF JOURNAL OF CHEMICAL PHYSICS 54 : 5165 1971

CARATA L Core-excited resonances in the dissociative recombination of CH⁺ and CD⁺ PHYSICAL REVIEW A 62 : Art. No. 052711 2000

DANARED H ELECTRON COOLING WITH AN ULTRACOLD ELECTRON-BEAM PHYSICAL REVIEW LETTERS 72 : 3775 1994

DEWITT DR ABSOLUTE DIELECTRONIC RECOMBINATION CROSS-SECTIONS OF HYDROGENLIKE HELIUM PHYSICAL REVIEW A 50 : 1257 1994

DUBROVSKI GV 5 INT C PHYS EL AT C : 342 1965

DUBROVSKII GV THEO EXP CHEM 2 : 715 1966

DUNN GH NOVEL ASPECTS ELECT : 241 1998

GUBERMAN SL DISSOCIATIVE RECOMBI : 45 1989

GUBERMAN SL THE DISSOCIATIVE RECOMBINATION OF OH⁺ JOURNAL OF CHEMICAL PHYSICS 102 : 1699 1995

GUYON PM THRESHOLD PHOTOELECTRON-SPECTRA OF HF, DF, AND F₂ JOURNAL OF CHEMICAL PHYSICS 65 : 1650 1976

HOSHINO T Etching process of SiO₂ by HF molecules JOURNAL OF CHEMICAL PHYSICS 111 : 2109 1999

KILGUS G HIGH-RESOLUTION MEASUREMENT OF DIELECTRONIC RECOMBINATION OF LITHIUM-LIKE CU²⁶⁺ PHYSICAL REVIEW A 46 : 5730 1992

LAMPERT A High-resolution measurement of the dielectronic recombination of fluorinelike selenium ions PHYSICAL REVIEW A 53 : 1413 1996

LARSON A Resonant ion-pair formation in electron collisions with HD⁺ and OH⁺ PHYSICAL REVIEW A 62 : Art. No. 042707 2000

LARSON A Dissociative recombination of HeH⁺: Product distributions and ion-pair formation PHYSICAL REVIEW A 59 : 3601 1999

LARSSON M ADV SER PHYS CHEM 10 : 693 2000

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

LARSSON M DISSOCIATIVE RECOMBI 4 : 2000

LE PADELLEC A Storage ring measurements of the dissociative recombination and excitation of the cyanogen ion $CN+(X-1 \text{ Sigma}(+) \text{ and a } (3)P_i, \nu=0)$ JOURNAL OF CHEMICAL PHYSICS 110 : 890 1999

MALLARD WG NIST CHEM WEBBOOK : 2000

MANK A THRESHOLD PHOTOELECTRON-SPECTROSCOPY OF HF CHEMICAL PHYSICS LETTERS 219 : 169 1994

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

PEART B MEASURED CROSS-SECTIONS FOR THE FORMATION OF H^- BY COLLISIONS BETWEEN H_3^+ IONS AND ELECTRONS JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 12 : 3441 1979

PEART B COLLISIONS BETWEEN ELECTRONS AND H_2^+ IONS .6. MEASUREMENTS OF CROSS-SECTIONS FOR SIMULTANEOUS PRODUCTION OF H^+ AND H^- JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 8 : 1570 1975

PETERSON JR Dissociative recombination and excitation of $N-2(+)$: Cross sections and product branching ratios JOURNAL OF CHEMICAL PHYSICS 108 : 1978 1998

ROSEN S Absolute cross sections and final-state distributions for dissociative recombination and excitation of $CO^+(v=0)$ using an ion storage ring PHYSICAL REVIEW A 57 : 4462 1998

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

VEJBYCHRISTENSEN L Dissociative recombination of NO^+ PHYSICAL REVIEW A 57 : 3627 1998

WERNER HJ PNO-CEPA AND MCSCF-SCEP CALCULATIONS OF TRANSITION-PROBABILITIES IN OH , HF^+ , AND HCL^+ JOURNAL OF CHEMICAL PHYSICS 80 : 831 1984

YENCHA AJ ION-PAIR FORMATION IN THE PHOTODISSOCIATION OF HF AND DF JOURNAL OF CHEMICAL PHYSICS 103 : 2882 1995

YENCHA AJ Threshold photoelectron spectroscopy of HF and DF in the outer valence ionization region JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 32 : 2539 1999

YOUSIF FB ION-PAIR FORMATION IN THE DISSOCIATIVE RECOMBINATION OF $H-3(+)$ JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 26 : 4249 1993

ZAJFMAN D DISSOCIATIVE RECOMBI 3 : 1996

ZONG W Resonant ion pair formation in electron collisions with ground state molecular ions PHYSICAL REVIEW LETTERS 83 : 951 1999