

**Studies of electron collisions with  $\text{CN}^+$ ,  $\text{CN}^-$  and  $\text{HCN}^+/\text{HNC}^+$**   
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ALKHALILI A Dissociative recombination of  $(\text{HeH}^+)$ -He-3: comparison of spectra obtained with 100, 10 and 1 meV temperature electron beams HYPERFINE INTERACTIONS 114: 281 1998

ANDERSEN LH ELECTRON-IMPACT DETACHMENT OF D- - NEAR-THRESHOLD BEHAVIOR AND THE NONEXISTENCE OF D<sub>2</sub>- RESONANCES PHYSICAL REVIEW LETTERS 74: 892 1995

CHADWICK BM MOL SPECTROSCOPY 1: 1972

COTTON FA ADV INORGANIC CHEM: 1972

FORNEY D THE VIBRATIONAL-SPECTRA OF MOLECULAR-IONS ISOLATED IN SOLID NEON .9.  $\text{HCN}^+$ ,  $\text{HNC}^+$ , AND  $\text{CN}^-$  JOURNAL OF CHEMICAL PHYSICS 97 : 1664 1992

FRIDH C PHOTOELECTRON AND ELECTRON-IMPACT SPECTRUM OF HCN JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA 7: 119 1975

HA TK ABINITIO CI CALCULATION OF SPECTROSCOPIC CONSTANTS OF THE GROUND AND ELECTRONICALLY EXCITED-STATES OF  $\text{CN}^-$  MOLECULAR PHYSICS 40: 445 1980

HIRST DM EXCITED-STATES OF THE  $\text{CN}^+$  ION - AN AB-INITIO STUDY MOLECULAR PHYSICS 82: 359 1994

KEYSER CJ BEAM-SCANNING SYSTEM FOR DETERMINATION OF BEAM PROFILES AND FORM-FACTORS IN MERGED-BEAM EXPERIMENTS JOURNAL OF PHYSICS E-SCIENTIFIC INSTRUMENTS 12: 316 1979

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

LAVENDY H OSCILLATOR-STRENGTHS, RADIATIVE LIFETIMES, AND PHOTODISSOCIATION CROSS-SECTIONS FOR  $\text{CN}$  JOURNAL OF MOLECULAR SPECTROSCOPY 106: 395 1984

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

LEPADELLEC A The dissociative recombination of  $\text{CN}^+$  JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 31: 1725 1998

LEPADELLEC A Electron scattering on  $\text{CN}^-$  PHYSICA SCRIPTA 64: 467 2001

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

NEAU A Dissociative recombination of  $\text{D}_3\text{O}^+$  and  $\text{H}_3\text{O}^+$ : Absolute cross sections and branching ratios JOURNAL OF CHEMICAL PHYSICS 113: 1762 2000

PETERSON KA CONFIGURATION-INTERACTION SPECTROSCOPIC PROPERTIES OF  $\text{X}-2\text{-SIGMA}^+$   $\text{HNC}^+$  AND  $\text{X}-2\text{-PI}$   $\text{HCN}^+$  JOURNAL OF CHEMICAL PHYSICS 93: 4946 1990

PETRIE S EXPERIMENTAL-STUDY OF  $\text{HCN}^+$  AND  $\text{HNC}^+$  ION CHEMISTRY JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 112: 7121 1990

PETRIE S THE ION CHEMISTRY OF  $\text{HNC}^+/\text{HCN}^+$  ISOMERS - ASTROCHEMICAL IMPLICATIONS MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY 248: 272 1991

ROSEN S Recombination of simple molecular ions studied in storage ring: dissociative recombination of  $\text{H}_2\text{O}^+$  FARADAY DISCUSSIONS 115: 295 2000

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

SHEEHAN C Merged beam measurement of the dissociative recombination of  $\text{HCN}^+$  and  $\text{HNC}^+$  JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 32: 3347 1999

TALBI D Quantum chemical calculations for the dissociative recombination of  $\text{HCN}^+$  and  $\text{HNC}^+$  JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 33: 3631 2000

VEJBYCHRISTENSEN L Electron-impact detachment from negative ions PHYSICAL REVIEW A 53: 2371 1996

ZAJFMAN D MEASUREMENT OF BRANCHING RATIOS FOR THE DISSOCIATIVE RECOMBINATION OF COLD  $\text{HD}^+$  USING FRAGMENT IMAGING PHYSICAL REVIEW LETTERS 75: 814 1995