

AU Le Padellec, A, Sheehan, C, Talbi, D, Mitchell, JBA

TI A merged-beam study of the dissociative recombination of HCO<sup>+</sup>

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AB Cross sections for the dissociative recombination of HCO<sup>+</sup> ions have been measured in the energy range from 0.01-1.0 eV. The large values measured for low-energy electrons are supported by an earlier extensive quantum mechanical study by Talbi and co-workers which is reviewed. A broad maximum has been found in the region from 0.3-0.8 eV and this is attributed to the opening up of a second product channel leading to CH + O.

C1 UNIV WESTERN ONTARIO, DEPT ANAT, DEPT PHYS & ASTRON,LONDON, ON N6A  
3K7, CANADA. ENS, EQUIPE ASTROCHIM QUANT, LAB RADIOASTRON, F-75005 PARIS,  
FRANCE.

RP Le Padellec, A, UNIV RENNES 1, PALMS, CNRS, UMR 1203, F-35042 RENNES, FRANCE.

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PA DIRAC HOUSE, TEMPLE BACK, BRISTOL, ENGLAND BS1 6BE

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