Photofragment Spectroscopy of HI Photodissociation.
1. Doppler Spectroscopy of the Hydrogen Fragment

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The photodissociation of HI has been investigated at various photolysis wavelengths in the first continuum. The dynamic of the process was probed by Doppler spectroscopy at the Lyman α transition of the H atom products. The β-parameters and the branching ratio of the two product channels have been measured at 8 photolysis wavelengths across the first continuum of HI.