REMPI SPECTROSCOPY OF THE $3p\pi^2\Pi$ RYDBERG STATE OF HCO

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The (010), (020), (030), and (001) bands of the $3p\pi^2\Pi$ Rydberg state of the formyl radical have been observed by resonant (1+1) photon ionization spectroscopy from the $^2A'$ vibronic ground state. Subbands have been re-assigned considering the $D_{\infty h}$ symmetry of HCO in the $3p\pi$-state. Renner-Teller effect and Fermi resonances have been analyzed for different subbands.

Time required: 10 min
Session in which paper is recomended for presentation: 2
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