

385. Title:THz spectra of formyl fluoride, HFCO

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Abstract:Formyl fluoride, HFCO, has been observed as an impurity in the terahertz spectrum of COF<sub>2</sub>. Ground state and  $\nu_5$  HFCO features were initially assigned based on the work of Wong et al. [M. Wong, J.W.C. Johns, A.R.W. McKellar, J. Mol. Spectrosc. 94 (1982) 79] and Xu et al. [Yunjie Xu, J.W.C. Johns, A.R.W. McKellar, J. Mol. Spectrosc. 168 (1994) 147.] A combined fit of the data reported in these references with the new rotational data reported in this work has resulted in a more extensive set of parameters for the ground and  $\nu_5$  states.