Electronic Supplementary Material for Faraday Discussions

Quantum resonances and roaming dynamics in formaldehyde photodissociation

Casey Foley, $^{+,a}$ Changjian Xie b,c,* Hua Guo^c and Arthur G. Suits a,*

Contents

Fig. S1 Photofragment excitation spectra for 2¹4¹, 2²4³ and 2¹5¹ bands.

Fig. S2 DC sliced velocity map images from which translational energy distributions were obtained.

^{a.} Department of Chemistry, University of Missouri, Columbia MO 65211 USA

^{b.} Institute of Modern Physics, Shaanxi Key Laboratory for Theoretical Physics Frontiers, Northwest University, Xian, Shaanxi 710127, China

^c Department of Chemistry and Chemical Biology, University of New Mexico, Albuquerque, New Mexico 87131, USA † Current address:

^{*}xcjscu@126.com, *suitsa@missouri.edu

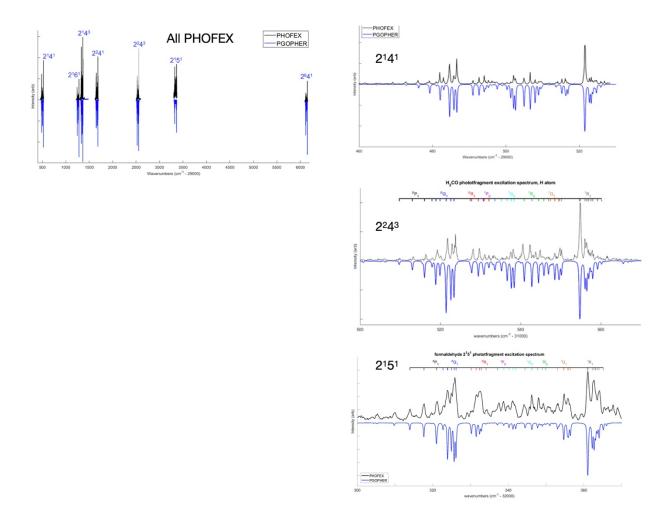


Fig. S1. Photofragment excitation spectra obtained on indicated vibrational band and probed species.

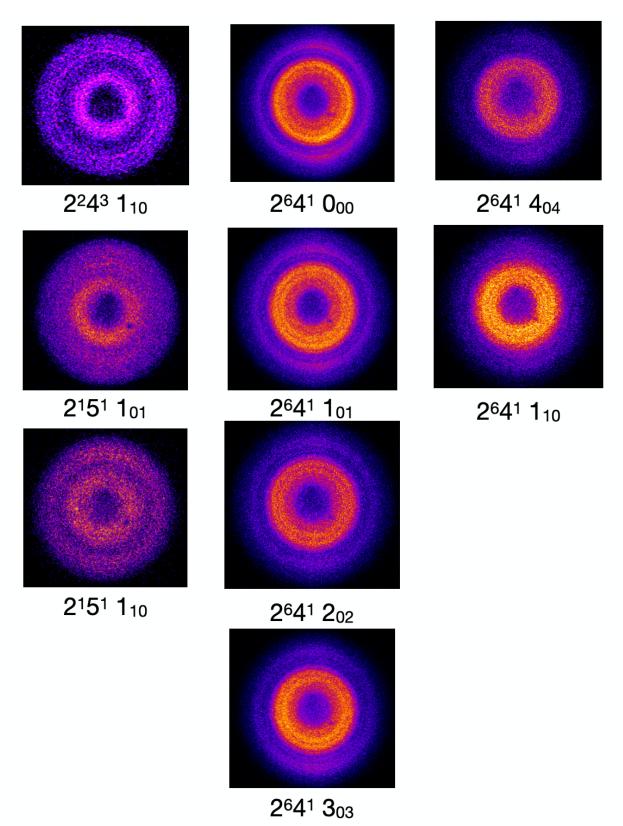


Fig. S2. DC sliced velocity map images from which TEDs were obtained.