Weak-field coherent control of photodissociation in polyatomic molecules†

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Supplementary Information
Fig. S1 Behavior of different observables with the time delay $\Delta t$ between the two excitation pulses of the laser field of Eq (3) for the vibrational state $v' = 1$ of the CH$_3$ fragment. (a) Final populations in the I* and I dissociation channels. (b) Branching ratio $I^*/I$ between the final populations in the I* and I dissociation channels. (c) Anisotropy parameter $\beta$ associated with the angular distribution produced by dissociation through the I* channel. (d) Same as panel (c) for the I channel.
Fig. S2 Behavior of different observables with the time delay $\Delta t$ between the two excitation pulses of the laser field of Eq (3) for the vibrational state $v' = 2$ of the CH$_3$ fragment. (a) Final populations in the I* and I dissociation channels. (b) Branching ratio I*/I between the final populations in the I* and I dissociation channels. (c) Anisotropy parameter $\beta$ associated with the angular distribution produced by dissociation through the I* channel. (d) Same as panel (c) for the I channel.