Excitation Dynamics Involving Homogeneous Multistate Interactions: 
One and Two Color VMI and REMPI of HBr

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Supporting information

Content: page:

Fig. S1. Angular distributions; Anisotropy parameters ($\beta_2$) extracted from $H^+$ 
images for the various channels (as labelled), by a “single step analysis” of 
the angular distributions as a function of $J'/J''$ for one-color excitations.
a) – for the resonance excited ion-pair state $V^1\Sigma^+(v' = m + 7)$………………… 2  
b) – for the resonance excited Rydberg state $H^1\Sigma^+(v' = 0)$………………… 2  
c) – for the resonance excited ion-pair state $V^1\Sigma^-(v' = m + 8)$………………… 3  
d) – for the resonance excited Rydberg state $E^1\Sigma^+(v' = 1)$………………… 3
Fig. S1 a

Fig. S1 b
Fig. S1 c

Fig. S1 d