

Supplementary Information

High resolution vibronic state-specific dissociation of NO_2^+ in the 10.0-15.5 eV energy range by synchrotron double imaging photoelectron photoion coincidences

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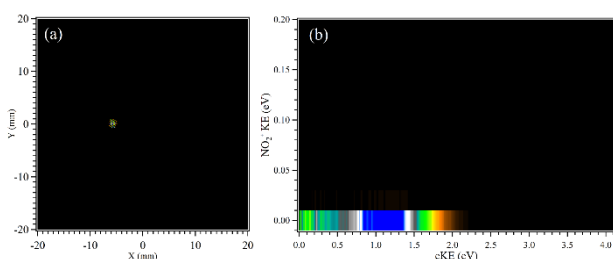


Fig. S1. (a) The ion image of NO_2^+ and (b) its mass-tagged electron and ion kinetic energy correlation diagram obtained at $h\nu=12.5$ eV.

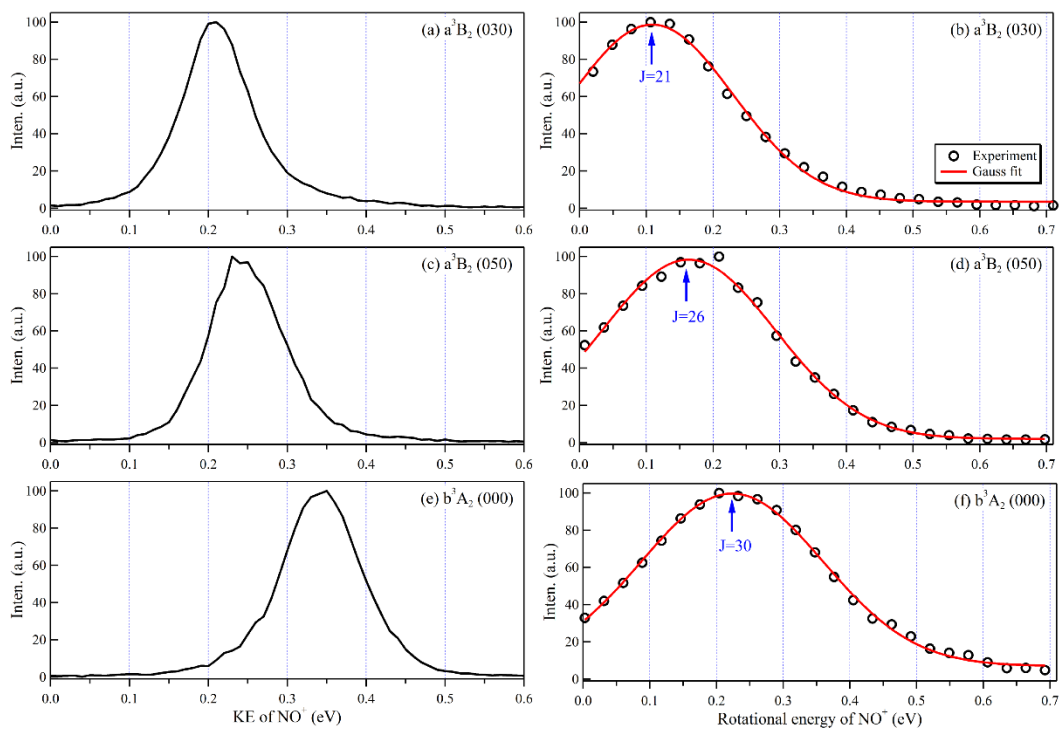


Fig. S2. The kinetic energy distribution (left) and the rotational energy distribution (right) of the NO^+ fragment ions dissociated from vibronic state-selected NO_2^+ ions.