

## Takayuki Ebata



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【Speciality】 Laser spectroscopy, Molecular cluster

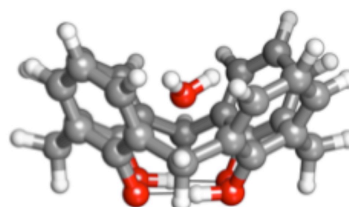
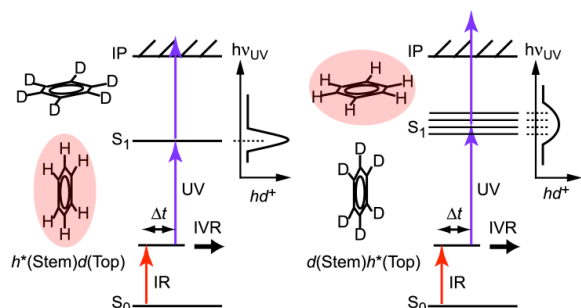
【Keywords】 Double resonance spectroscopy, Clusters, Functional molecules

### 【Research Subject】

Picosecond time-resolved IR-UV pump-probe spectroscopic study of the vibrational energy relaxation of benzene clusters

### Research Group Activity

- Study on IVR dynamics by time resolved IR-UV pump-probe spectroscopy
- Laser spectroscopy on functional molecules in supersonic jets



- IR photodissociation spectroscopy of ionic molecular cluster ions
- Development of laser desorption/ laser photoionization mass spectrometry for nonvolatile molecules

