

Recent Publications

1. B. Martínez-Haya, P. Quintana, L. Bañares P. Samartzis, D. J. Smith, and T. N. Kitsopoulos, **The photodissociation of CH₃SCH₃ and CD₃SCD₃ at 220–231 nm investigated by velocity map ion imaging**, *J. Chem. Phys.* **114**, 4450 (2001).
2. D.H. Parker, B.L.G. Bakker, P.C. Samartzis, and T.N. Kitsopoulos, **A study of Rydberg states of Cl₂ and low lying electronic states of Cl₂⁺ through a dissociative continuum**, *J. Chem. Phys.* **115**, 1205 (2001).
3. T.P. Rakitzis, P.C. Samartzis, and T.N. Kitsopoulos, **Complete Measurement of S(¹D₂) Photofragment Alignment from Abel-invertable Ion Images**, *Phys. Rev. Lett.* **87**, 123001 (2001).
4. C.R. Gebhardt, T. P. Rakitzis, P.C. Samartzis, V. Ladopoulos and T. N. Kitsopoulos, **Slice Imaging: A New Approach to Ion Imaging and Velocity Mapping**, *Rev. Sci. Instrum.* (2001) **72**, 3848.
5. T. N. Kitsopoulos C.R. Gebhardt, and T. P. Rakitzis, **Photodissociation Study of CS₂ at 193 nm using Slice Imaging**, *J. Chem. Phys.* **115** 9727 (2001).
6. T. P. Rakitzis and T. N. Kitsopoulos, **Measuring the Cl and Br photofragment alignment using Slice Imaging**, *J. Chem. Phys.* (2002).
7. Alrik J. van den Brom, T. Peter Rakitzis, Jeroen van Heyst, Theofanis N. Kitsopoulos, Sebastian R. Jezowski, and Maurice H. M. Janssen, **State-to-state photodissociation of OCS (v=2,1|J/M). I. The angular recoil distribution of CO (X ¹Σ⁺, v=0/J)**, *J. Chem. Phys.* **117**, 4255 (2002).
8. T.P. Rakitzis, P.C. Samartzis, R. Toomes, L. Tsigaridas, M. Coriou, D. Chestakov, A.T.J.B. Eppink, D. H. Parker and T.N. Kitsopoulos **Photofragment alignment from the photodissociation of HCl and HBr**, *Chem. Phys. Lett.* **364**, 115 (2002)
9. R.L. Toomes, and T.N. Kitsopoulos **Rotationally resolved reaction product imaging using crossed molecular beams** *PCCP* (2003) in press
10. M.J. Bass, M. Brouard, C. Vallance, T.N. Kitsopoulos, P.C. Samartzis, and R.L. Toomes, **The dynamics of the Cl + C₂H₆ → HCl(v', j') + C₂H₅ reaction at 0.24 eV: is ethyl a spectator?**, *J. Chem. Phys.* (2003) submitted