

List of Publications

- "Kinetic energy distributions and signature of target excitation in N_2 fragmentation on collisions with Ar^{9+} ions" ... **Jyoti Rajput**, Sankar De, A. Roy and C. P. Safvan, Phys. Rev. A, **74**, 032701 (2006).
- "Formation of H_3^+ due to intramolecular bond rearrangement in doubly charged methanol" ... Sankar De, **Jyoti Rajput**, A. Roy, P. N. Ghosh and C. P. Safvan, Phys. Rev. Letts. **97**, 213201 (2006)
- "Kinetic energy distributions in ion-induced CO fragmentation: Signature of shallow states in multiply charged CO" ... **Jyoti Rajput** and C. P. Safvan (accepted for publication in Phys. Rev. A **75** (2007))
- "Dissociation of Methanol and Acetylene by slow Highly Charged Ion Collision" ... Sankar De, **Jyoti Rajput**, A. Roy, R. Ahuja, P. N. Ghosh and C.P. Safvan (accepted for publication in Journal of Physics : Conference Series)
- "Butterfly structure : Signature of vibrational flopping in dissociative acetylene" ... Sankar De, **Jyoti Rajput**, P. N. Ghosh, A. Roy and C. P. Safvan (in preparation)

Conference Contributions

- Poster presentation on " Design and Development of an Electrostatic Deceleration Lens for Multiply Charged Ions" in the XV National Conference on Atomic and Molecular Physics, December 2004, Physical Research Laboratory, Ahmedabad, India

- Poster presentation on " *Study of dissociation of N_2 by Ar^{q+}* " in the 2nd International Conference on Current Developments in Atomic Molecular and Optical Physics, March 2006, University of Delhi, Delhi, India
- Poster presentation on " *Study of dissociation of N_2 by Ar^{9+}* " in the 7th Asian International Conference on Atomic and Molecular Physics, December 2006, Indian Institute of Technology Madras, Chennai, India
- Poster presentation on " *Kinetic energy distributions and signature of target excitation in N_2 fragmentation on collisions with Ar^{9+} ions* " in the XVI National Conference on Atomic and Molecular Physics, January 2007, Tata Institute of Fundamental Research, Mumbai, India