



Contribution ID: 111

Type: **Poster**

【535】 Electron Interactions with Doped Neon Clusters

Wednesday 23 August 2017 12:34 (1 minute)

The formation of positive and negative ions within doped clusters via electron ionization and electron attachment, respectively, opens a door to insights into cluster characteristics. For example, in case of electron attachment the stabilisation of the dopant anions by the cluster environment may occur. Furthermore, the understanding of the electron attachment process itself can be extended to the low temperature range. Here, a study of neon clusters doped with CO₂ is presented and compared to earlier results for pure CO₂ cluster beams and helium droplets doped with CO₂. All data was collected by means of mass spectrometry

Author: MEISSNER, Rebecca (Leopold-Franzens-Universität Innsbruck)

Co-authors: HOLZER, Georg Alexander; Dr NEUSTETTER, Michael (Leopold-Franzens-Universität Innsbruck); RIBAR, Anita (Leopold-Franzens-Universität Innsbruck); Prof. DENIFL, Stephan (Leopold-Franzens-Universität Innsbruck)

Presenter: MEISSNER, Rebecca (Leopold-Franzens-Universität Innsbruck)

Session Classification: Poster Session

Track Classification: Atomic Physics and Quantum Optics