Photoionization and photoelectron spectroscopy of doped helium nanodroplets DANIEL NEUMARK, University of California, Berkeley — Photoionization and photoelectron spectra for helium nanodroplets doped with rare gas atoms and SF$_6$ will be reported. The experiments were conducted using tunable synchrotron radiation at the Advanced Light Source in the photon energy range of 14-26 eV. Time-of-flight mass spectra will be presented, along with photoion and photoelectron images. The results will be compared to previous electron impact ionization data.

Daniel Neumark
University of California, Berkeley

Date submitted: 29 Nov 2005 Electronic form version 1.4