

Abstract Submitted
for the GEC12 Meeting of
The American Physical Society

Low energy studies (e,2e) studies from Ammonia (NH₃)¹ HARI CHALUVADI, DON MADISON, Missouri University of Science and Technology, K.L. NIXON, ANDREW J. MURRAY, University of Manchester, CHUANGANG NING, Tsinghua University, JAMES COLGAN, Los Alamos National Laboratory — Experimental and theoretical Triply Differential Cross Sections (TDCS) will be presented for electron-impact ionization of Ammonia (NH₃) for highest occupied molecular orbital (HOMO), next highest occupied molecular orbital (NHOMO) and next next highest occupied molecular orbital (N²HOMO). M3DW (molecular 3-body distorted wave) results will be compared with experiment for coplanar geometry. The final state electron energies and observation angles are symmetric.

¹Work supported by NSF under grant number PHY-1068237.

Hari Chaluvadi
Missouri University of Science and Technology

Date submitted: 18 Jun 2012

Electronic form version 1.4