

Abstract Submitted  
for the SES20 Meeting of  
The American Physical Society

**Neutron Ionization of Ge<sup>1</sup>** J P COLGAN, Los Alamos National Laboratory, M S PINDZOLA, Auburn University — Neutron-impact single and double ionization cross sections of the Ge atom are calculated. Cross sections for the single and double ionization of the 4p outer subshell are found for neutron incident energies ranging from 1.0 MeV to 4.0 MeV. The largest single and double ionization cross sections are found at 4.0 MeV with a double to single ratio of 0.021.

<sup>1</sup>DOE

Michael Pindzola  
Auburn University

Date submitted: 14 Oct 2020

Electronic form version 1.4