

Abstract Submitted  
for the DNP08 Meeting of  
The American Physical Society

**Discovery of Isotopes** A. SCHUH, Gustavus Adolphus College, A. SHORE, Smith College, A. BURY, A. FRITSCH, J.Q. GINEPRO, M. HEIM, J. SNYDER, M. THOENNESSEN, NSCL/MSU — We started a project to document the discovery of all known isotopes. The information for the isotopes are summarized for each element, including the discoverers, the laboratory and year in which it was first observed, the production method and the method of mass assignment used. Only refereed publications were considered, but unpublished reports and other various discrepancies pertaining to the discovery of individual isotopes are also discussed. The project began only recently and we will present the discoveries of the first elements summarized: arsenic, barium, cerium, einsteinium, gold, iron, krypton, silver, and vanadium.

Anna Schuh  
Gustavus Adolphus College

Date submitted: 01 Aug 2008

Electronic form version 1.4