

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

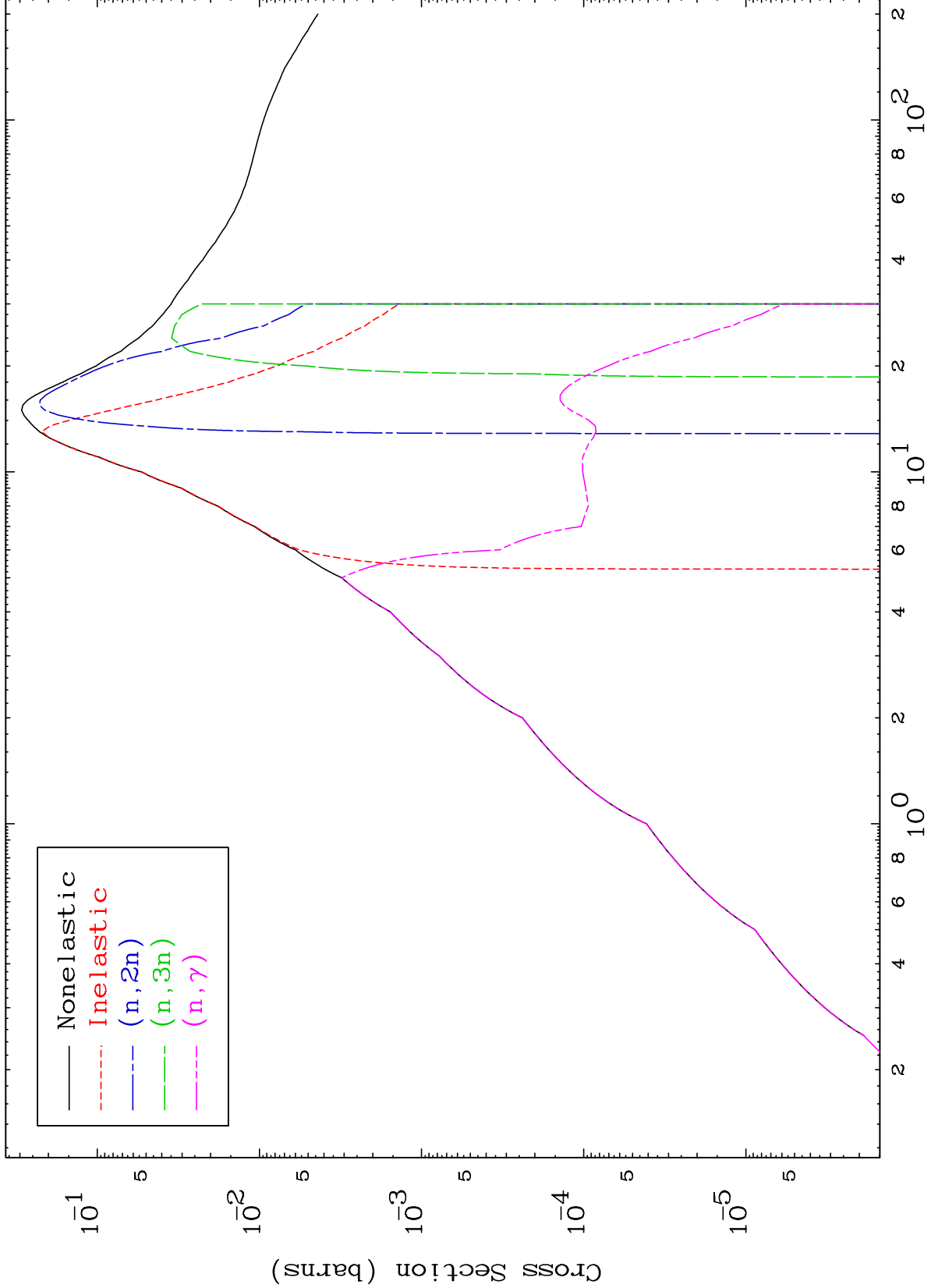
Press Mouse Button to Start

MAT 6040

Photon Major

60-Nd-147

0 Kelvin Cross Sections

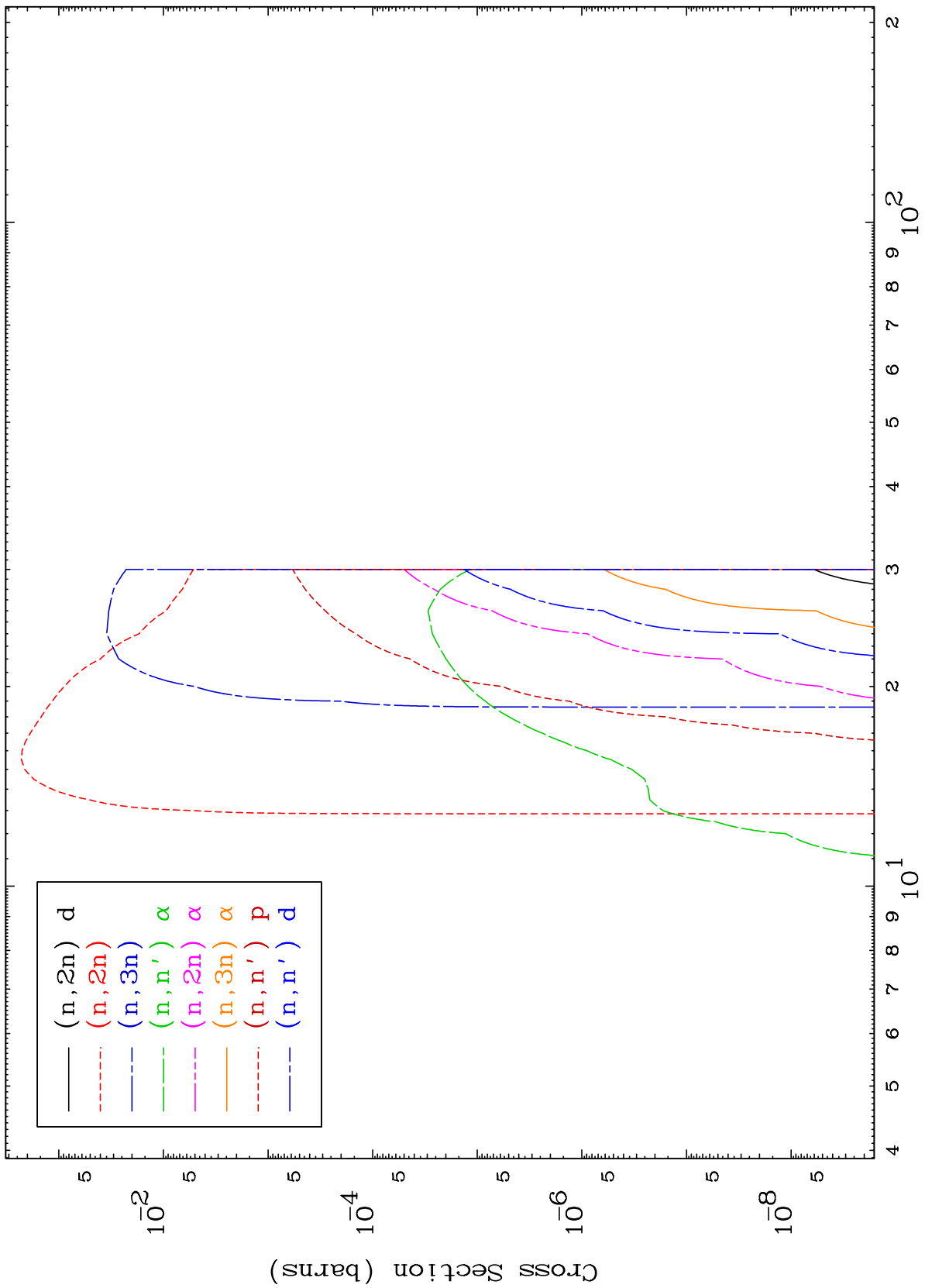


Legend:
— Nonelastic
- - - Inelastic
- . - (n, 2n)
- - - (n, 3n)
- - - (n, γ)

MAT 6040

Photon Neutron Absorption
0 Kelvin Cross Sections

60-Nd-147



2

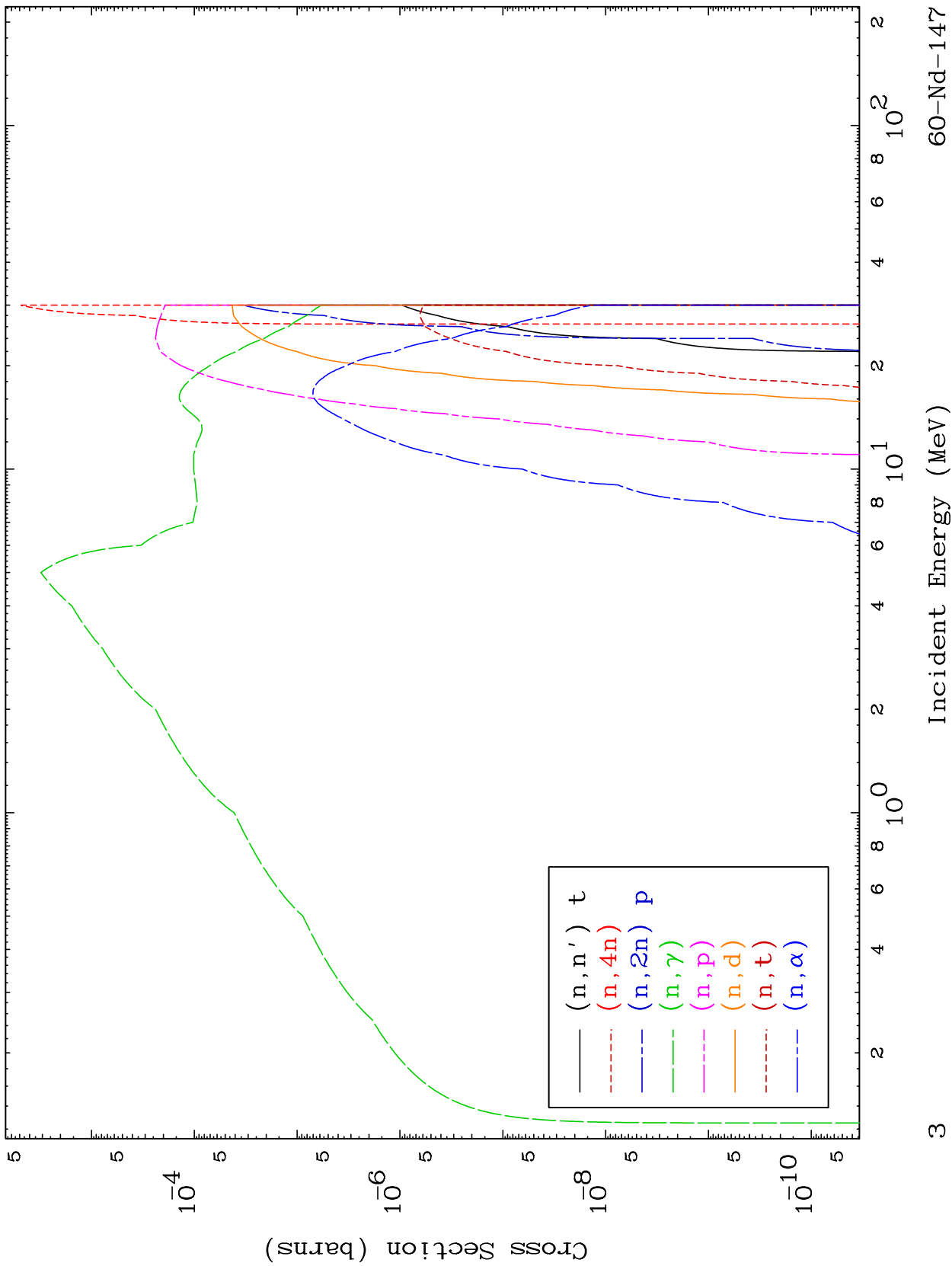
Incident Energy (MeV)

60-Nd-147

MAT 6040

Photon Neutron Absorption
0 Kelvin Cross Sections

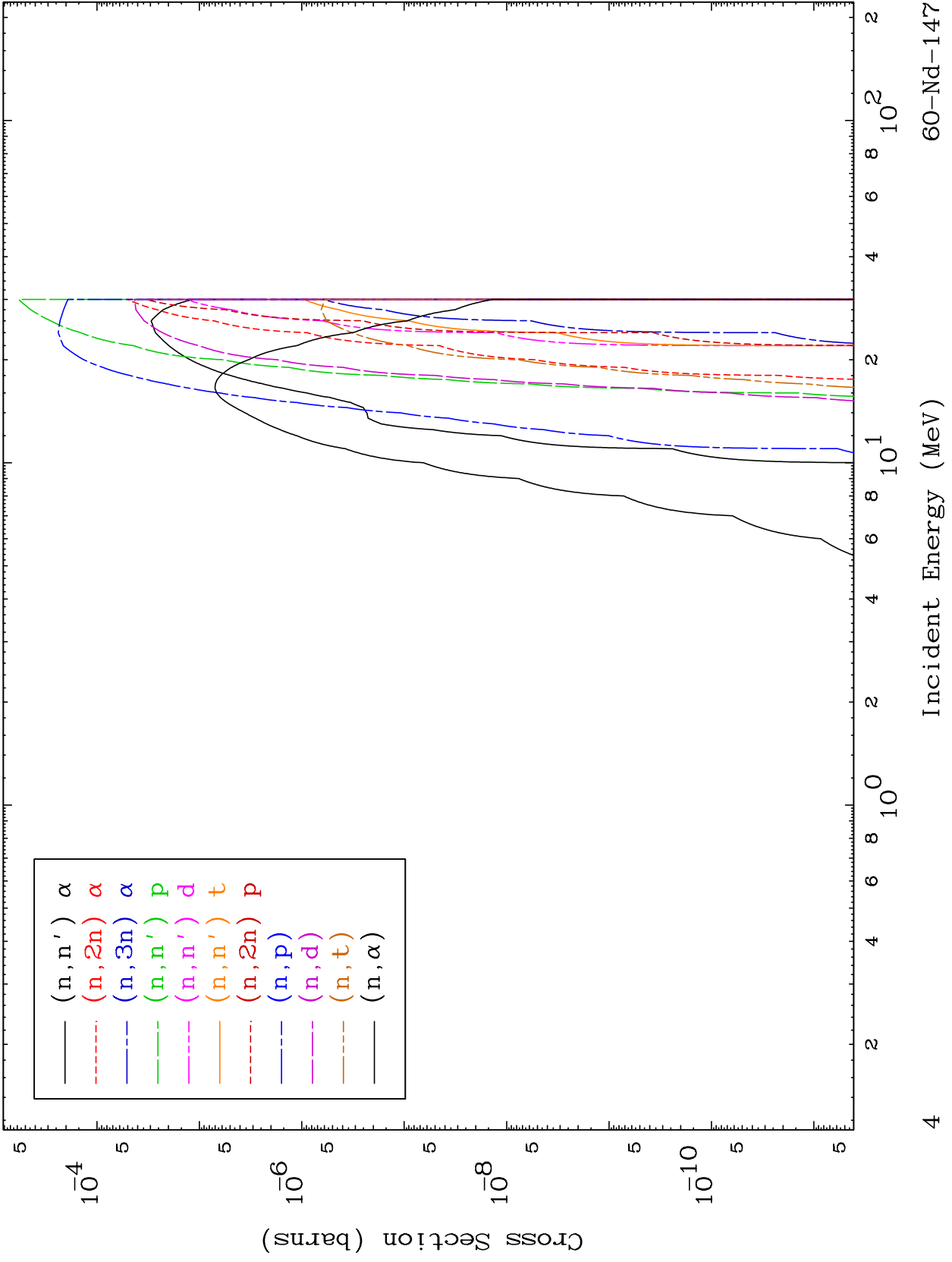
60-Nd-147



MAT 6040

Photon Charged Particle
0 Kelvin Cross Sections

60-Nd-147

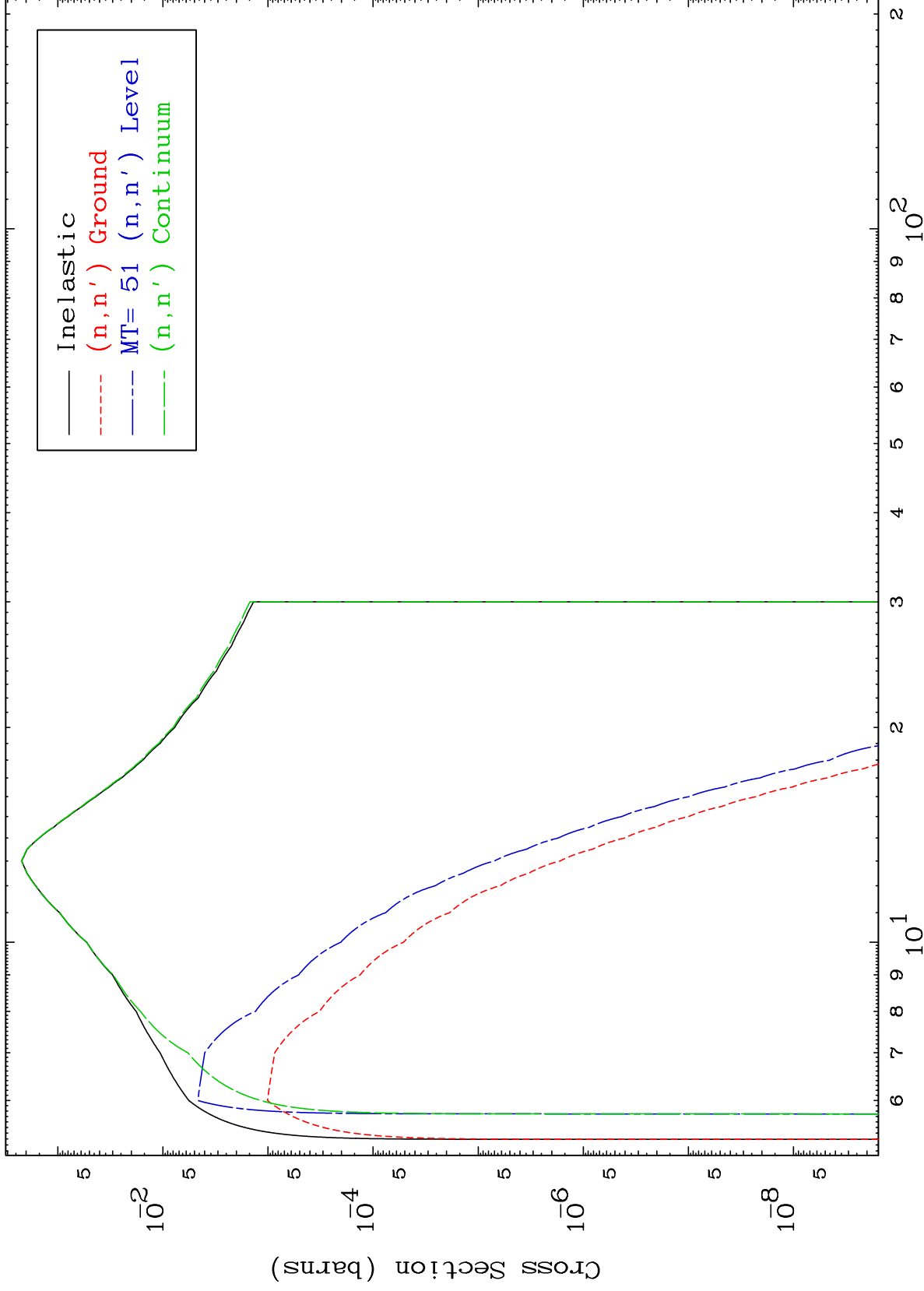


MAT 6040

(γ, n') Levels

60-Nd-147

0 Kelvin Cross Sections



5

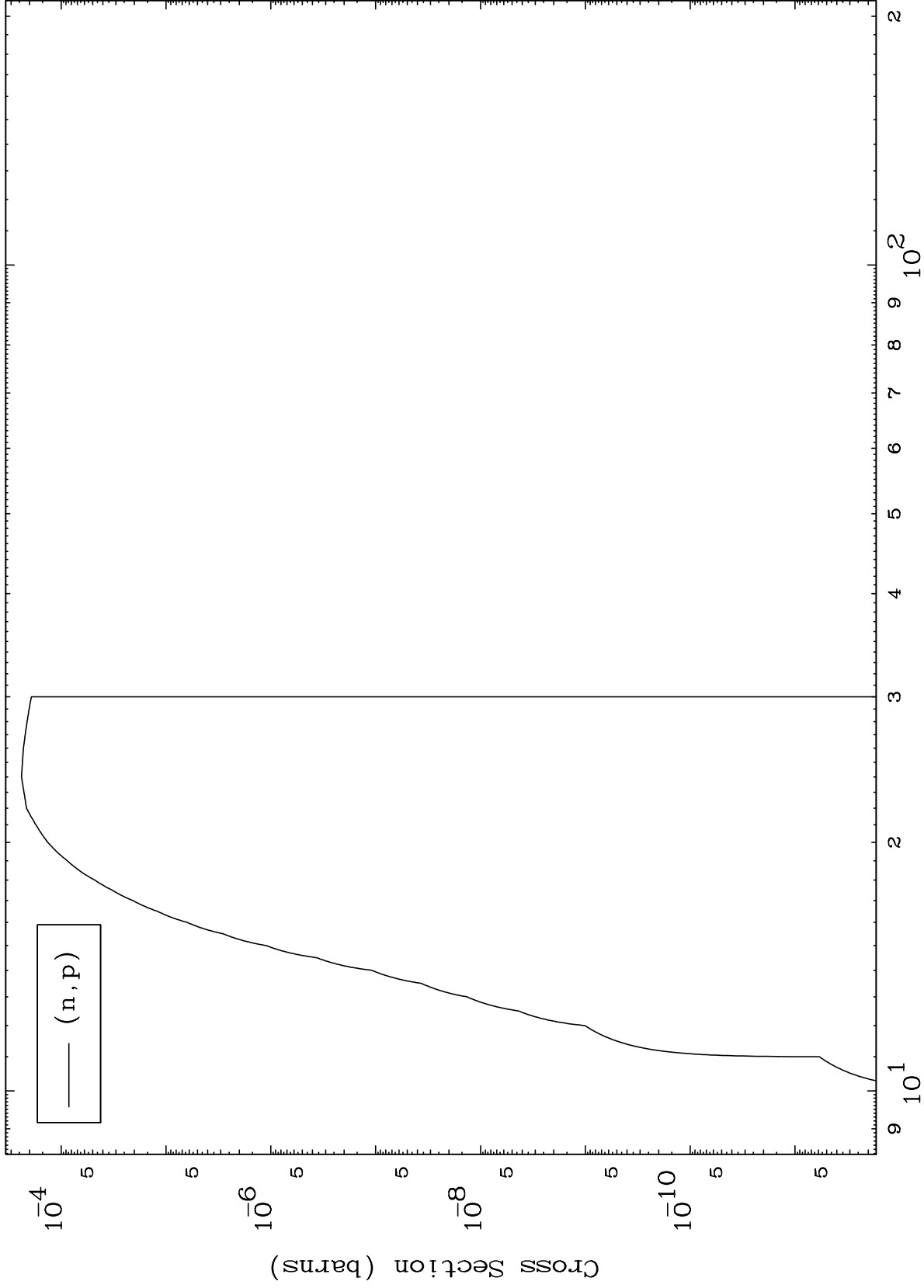
Incident Energy (MeV)

60-Nd-147

MAT 6040

(γ, p) Levels
0 Kelvin Cross Sections

60-Nd-147



60-Nd-147

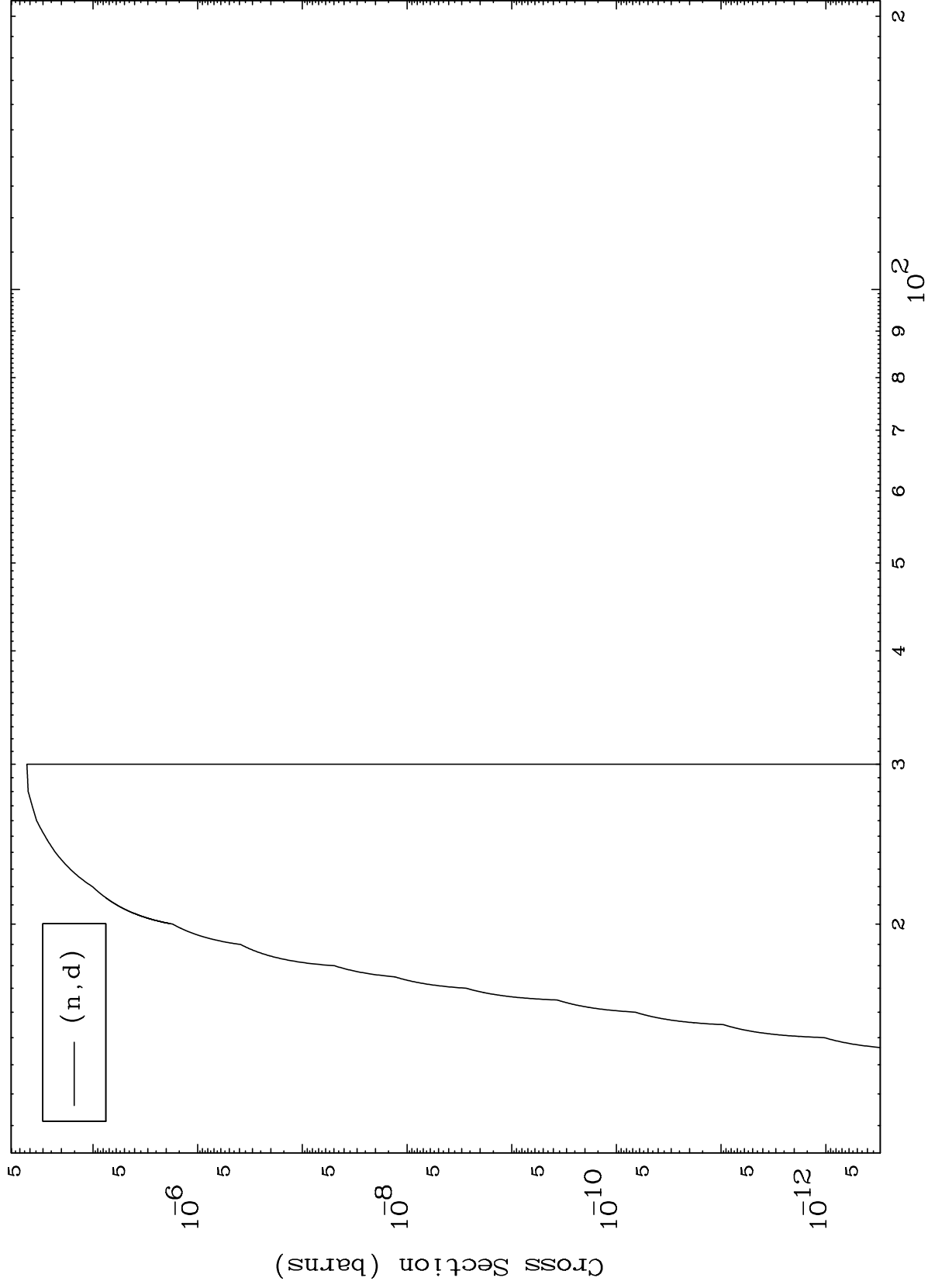
Incident Energy (MeV)

6

MAT 6040

(γ, d) Levels
0 Kelvin Cross Sections

60-Nd-147



7

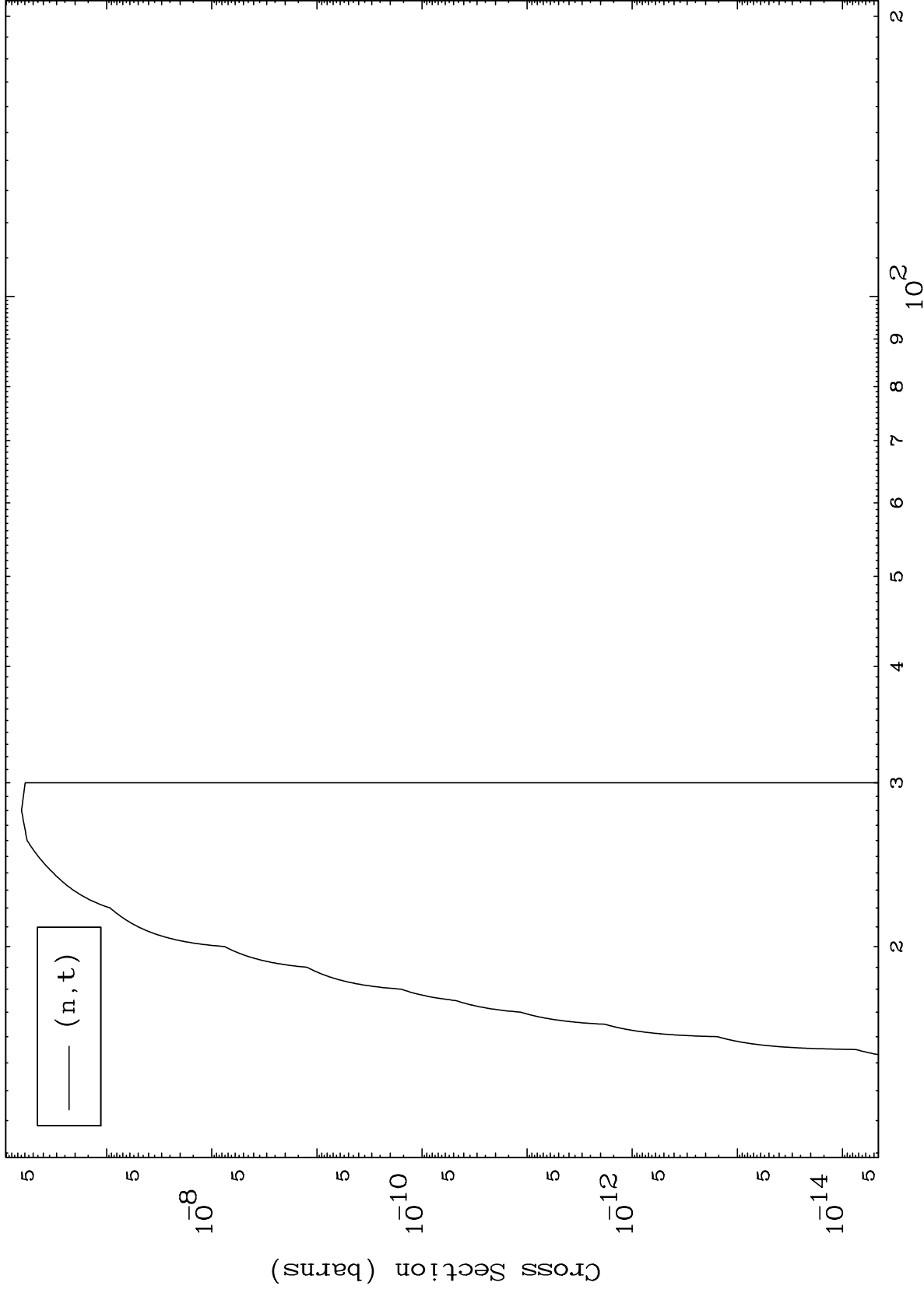
Incident Energy (MeV)

60-Nd-147

MAT 6040

(γ, t) Levels
0 Kelvin Cross Sections

60-Nd-147



8

Incident Energy (MeV)

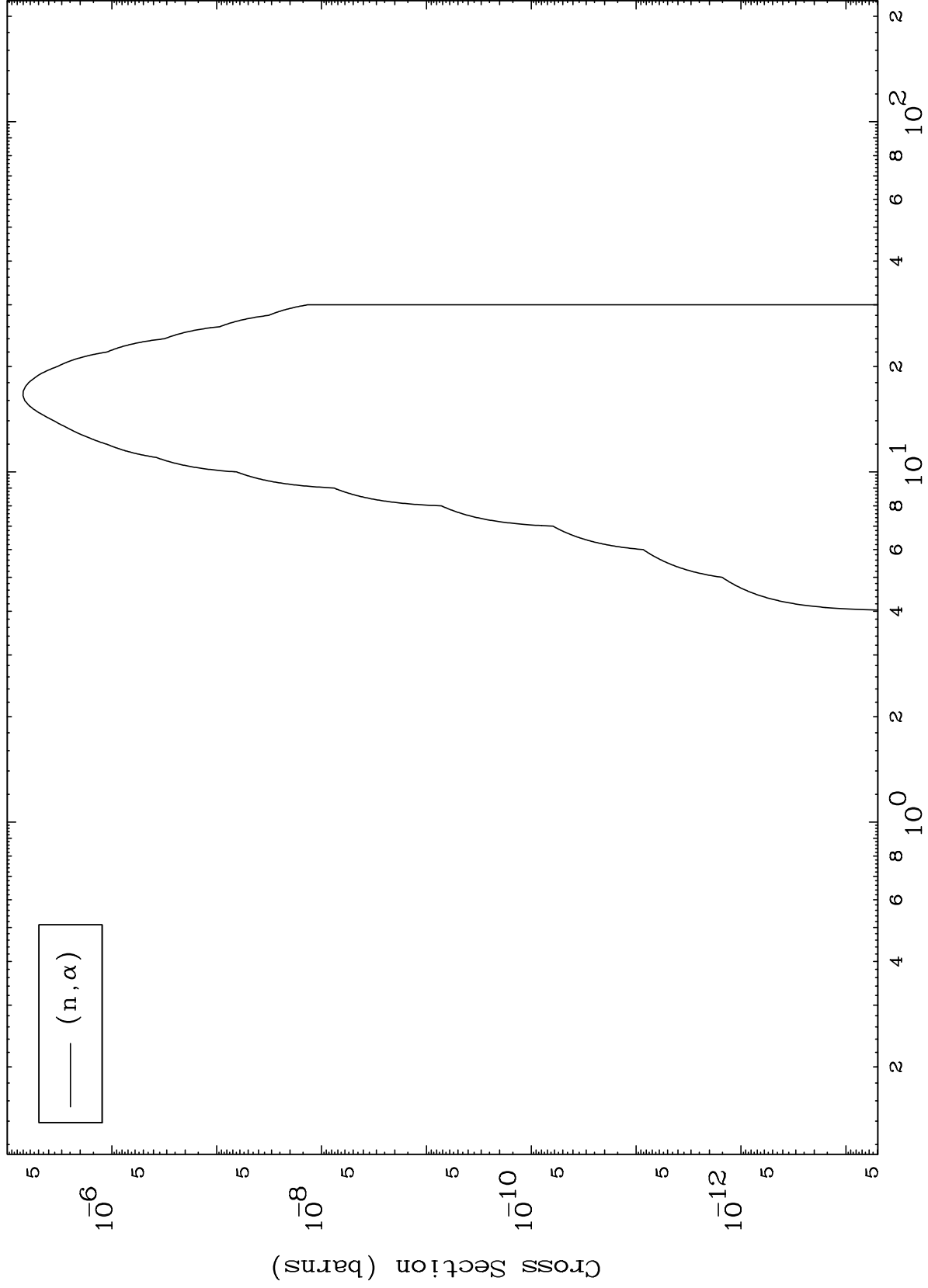
60-Nd-147

MAT 6040

(γ, α) Levels

60-Nd-147

0 Kelvin Cross Sections

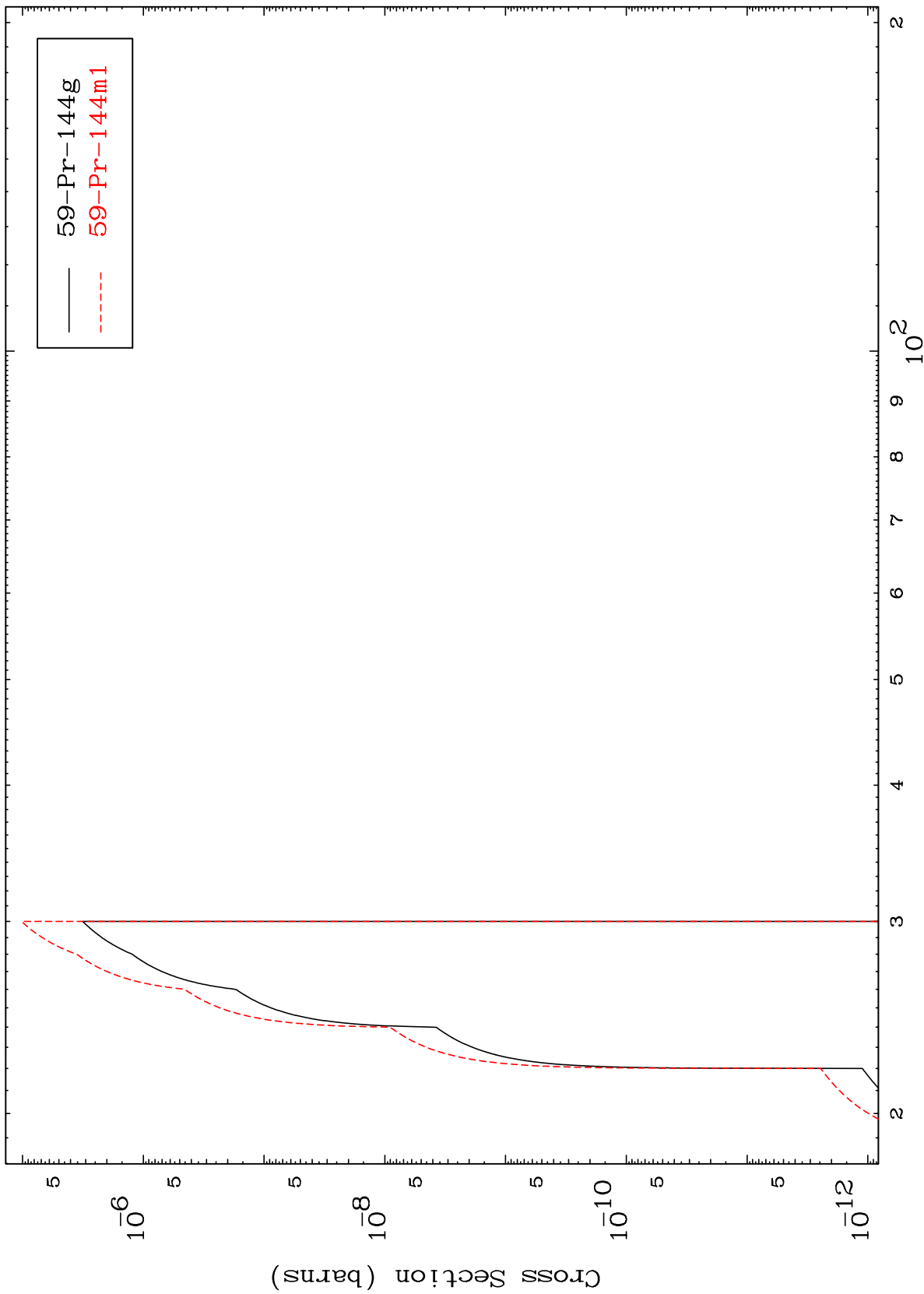


MAT 6040

(n,n') d

60-Nd-147

Radionuclide Production Cross Section



10

Incident Energy (MeV)

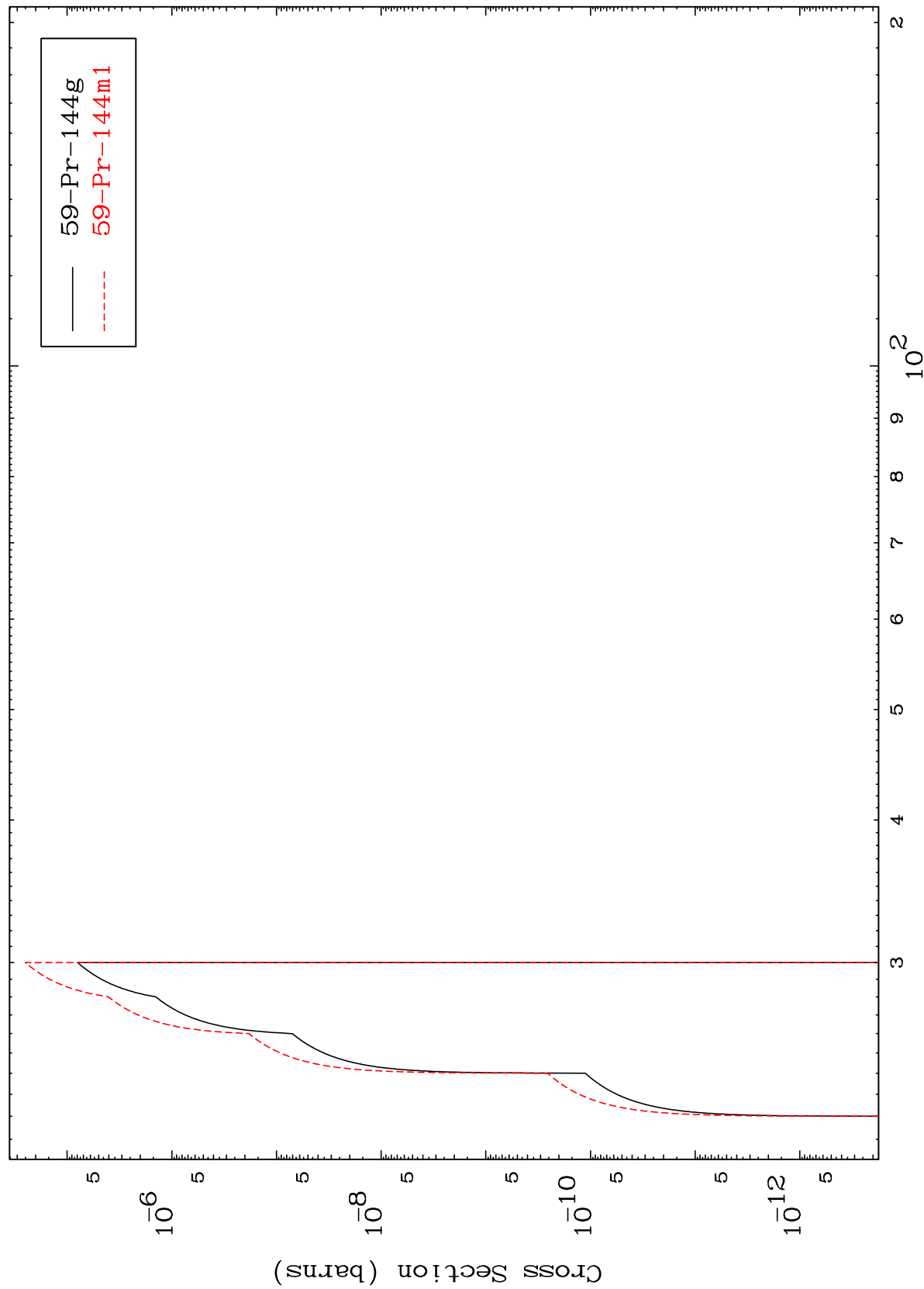
60-Nd-147

MAT 6040

(n,2n) p

60-Nd-147

Radionuclide Production Cross Section



11

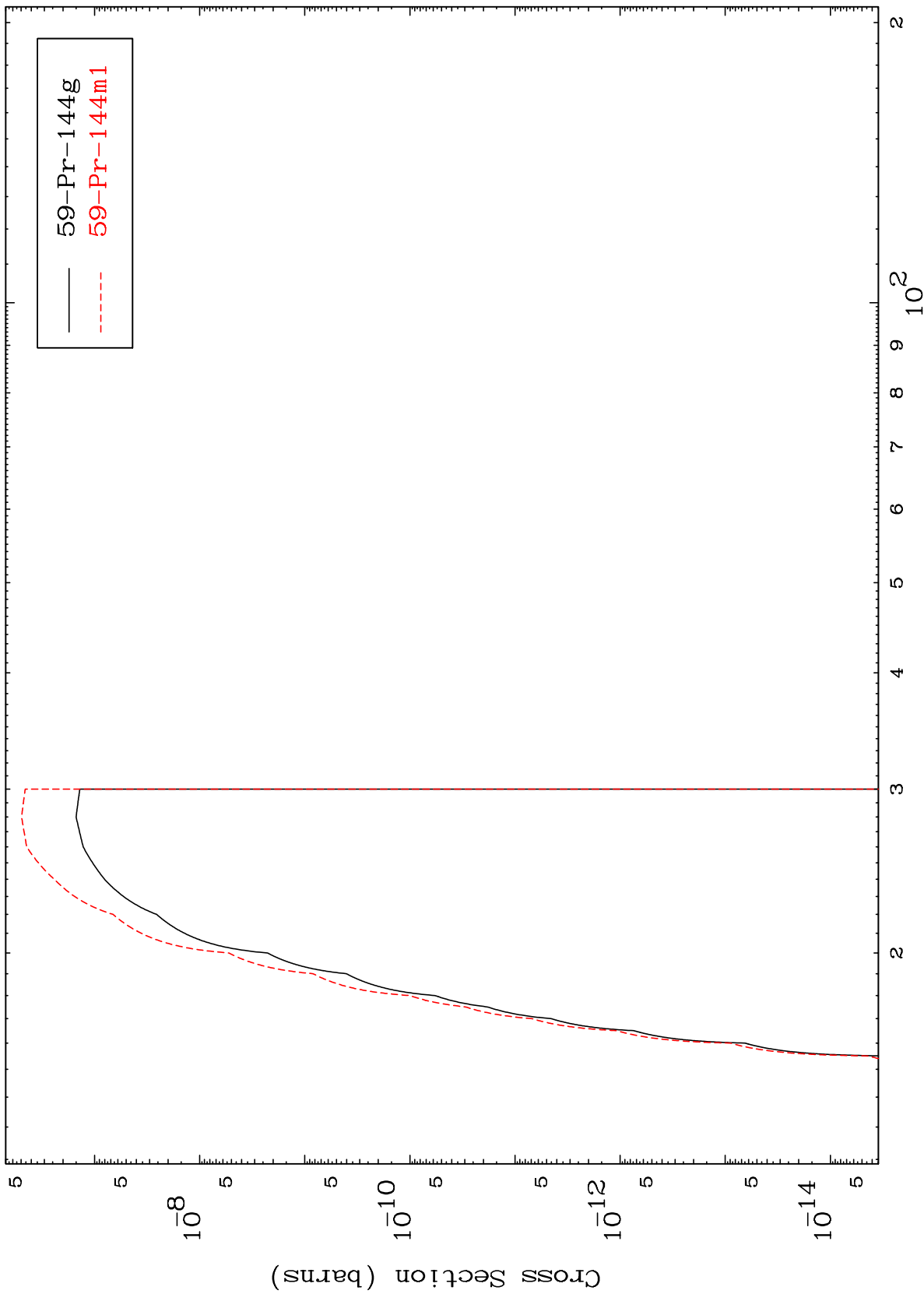
Incident Energy (MeV)

60-Nd-147

MAT 6040

60-Nd-147

(n, t)
Radionuclide Production Cross Section



59-Pr-144g
59-Pr-144m1

12

Incident Energy (MeV)

60-Nd-147