

Program EVALPLOT
(Version 2021-1)

by

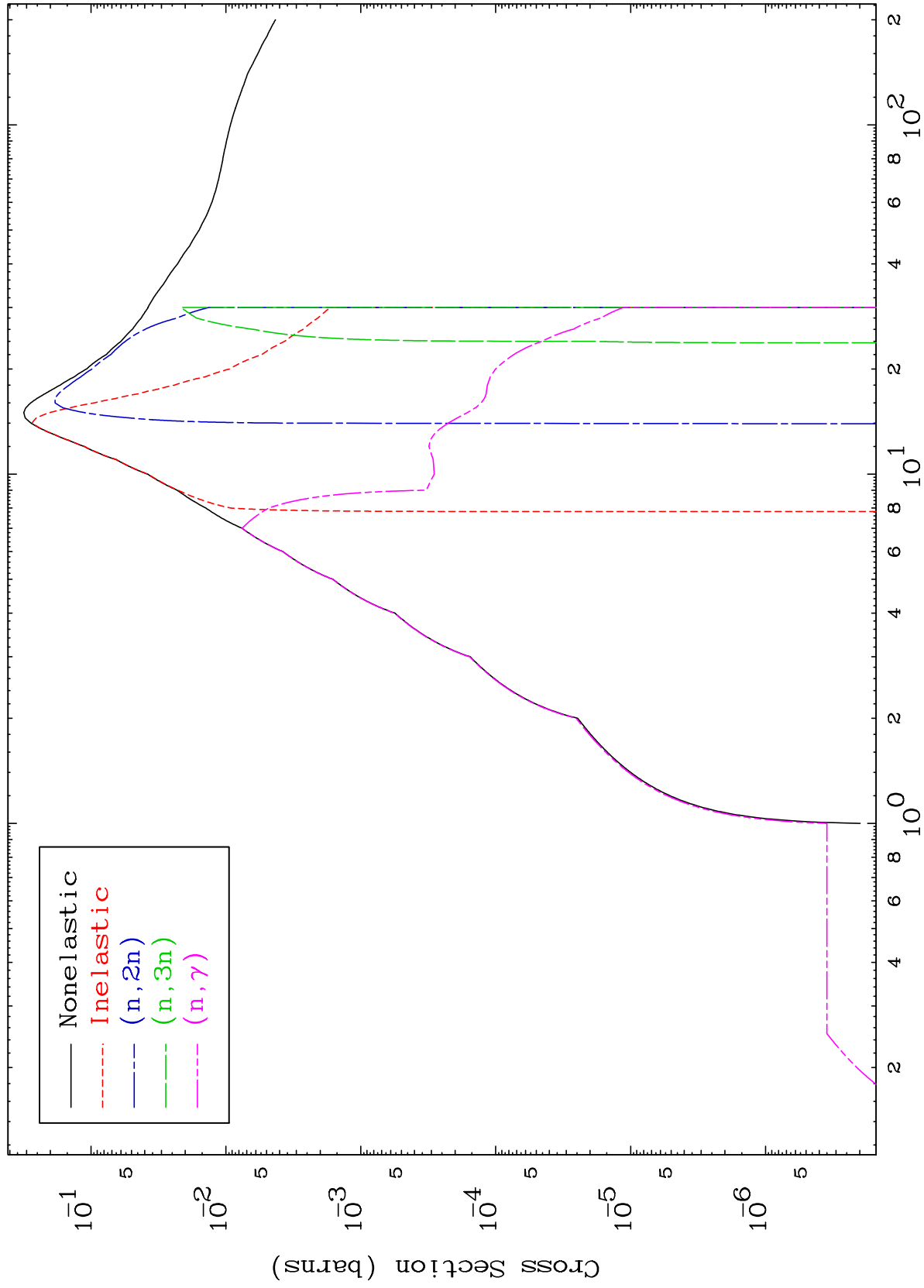
Dermott E. Cullen
(Present Contact Information)

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

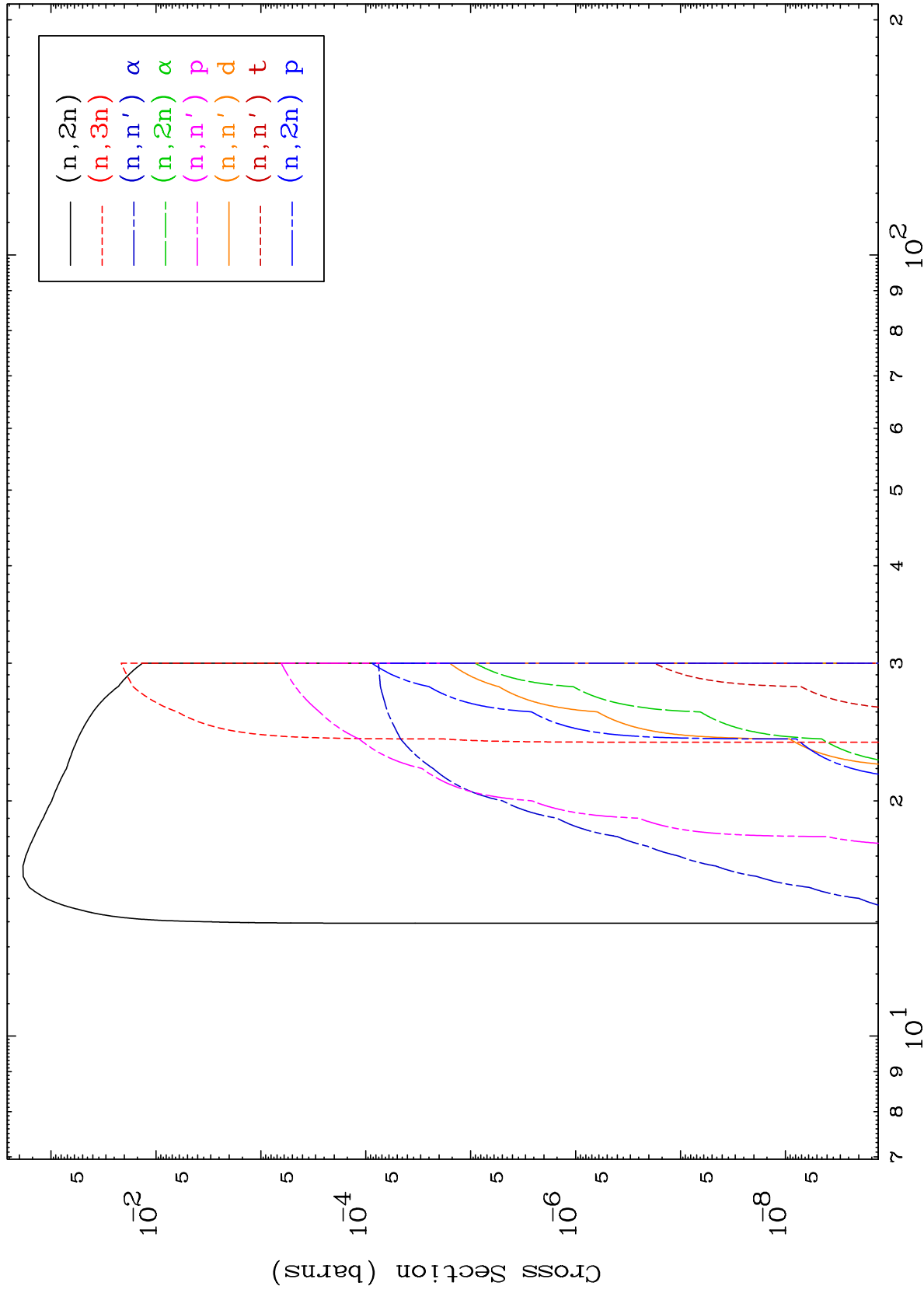
Press Mouse Button to Start



MAT 6031

Photon Neutron Absorption
0 Kelvin Cross Sections

60-Nd-144



2

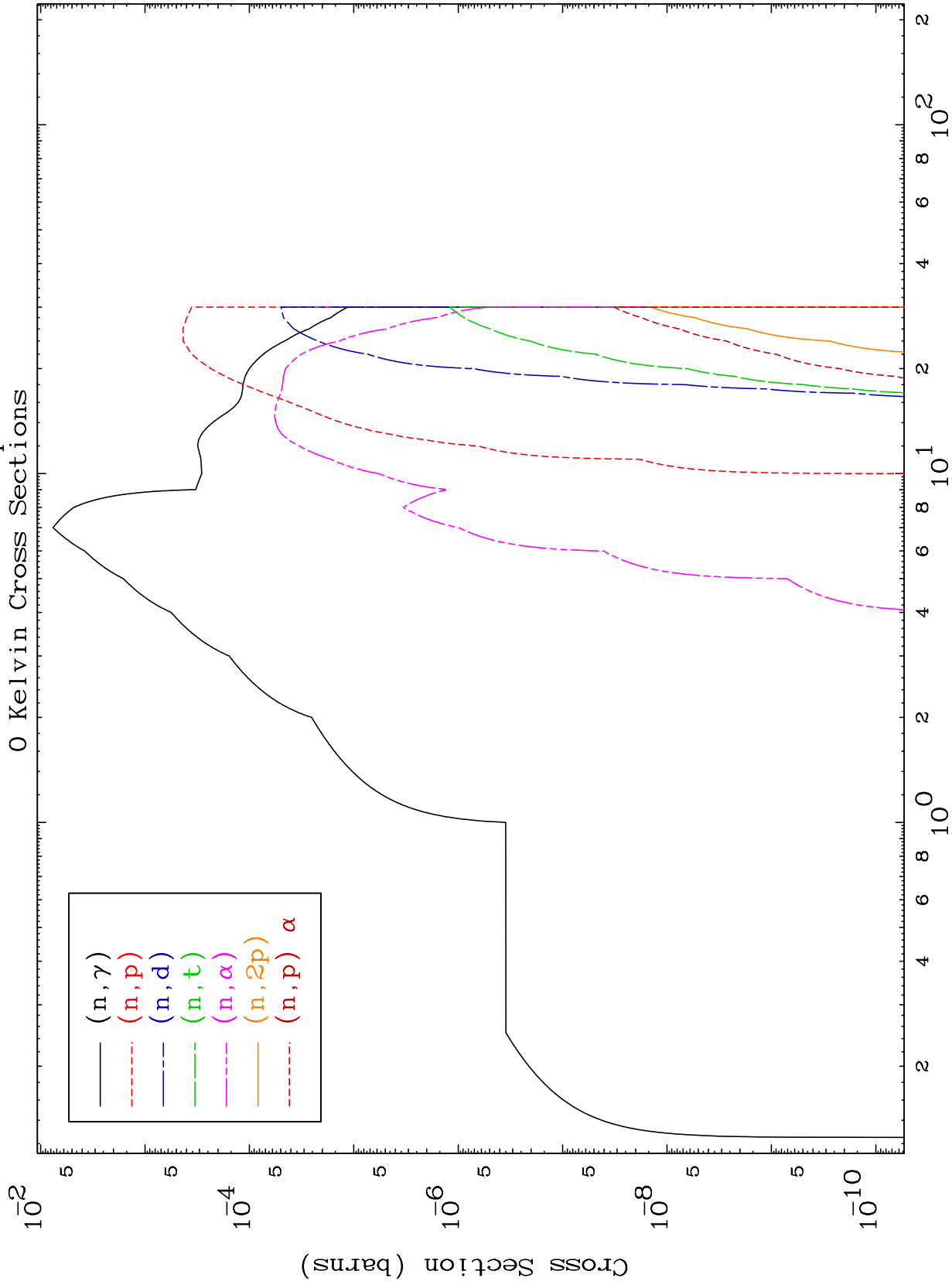
Incident Energy (MeV)

60-Nd-144

MAT 6031

Photon Neutron Absorption
0 Kelvin Cross Sections

60-Nd-144



3

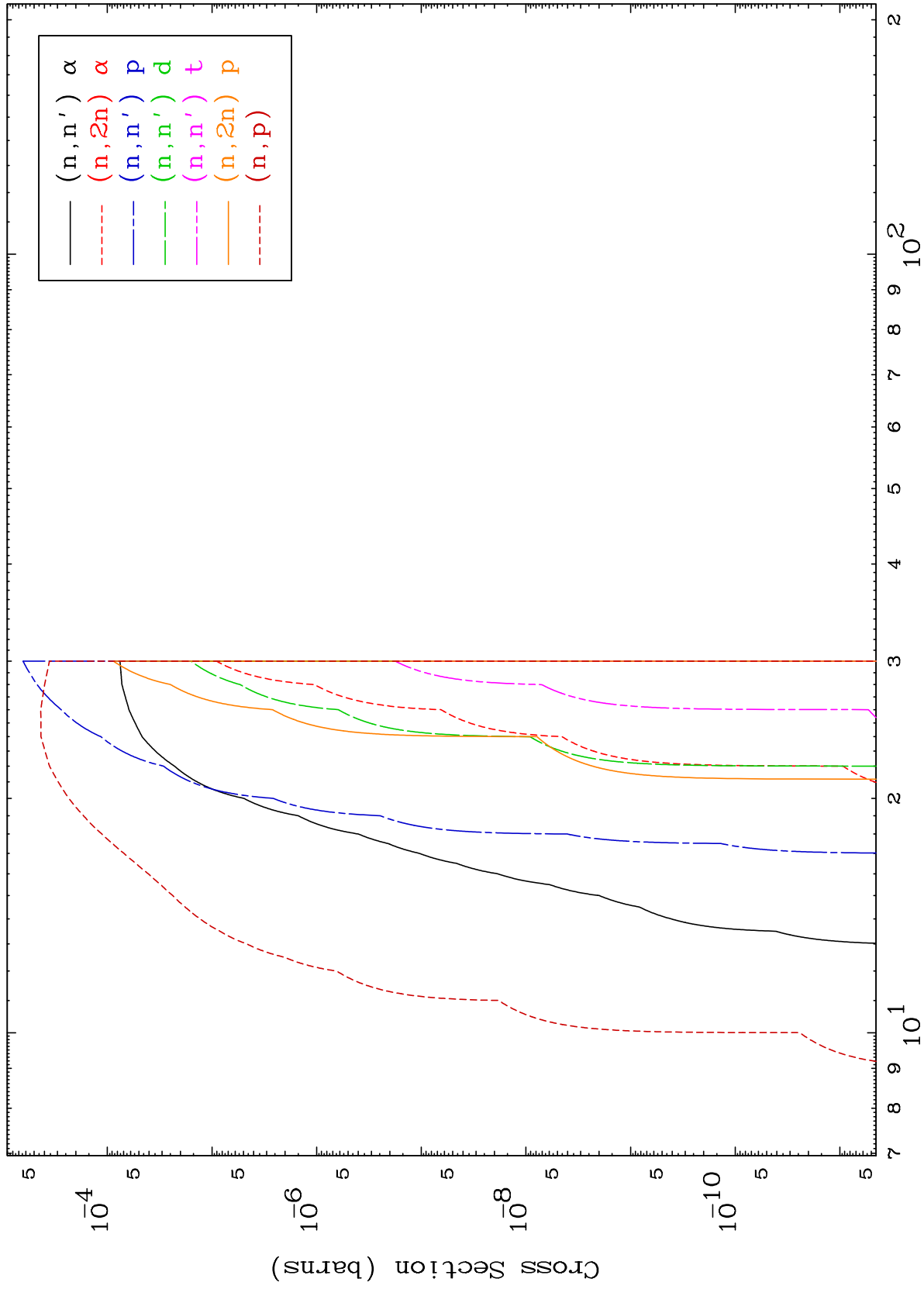
Incident Energy (MeV)

60-Nd-144

MAT 6031

Photon Charged Particle
0 Kelvin Cross Sections

60-Nd-144



4

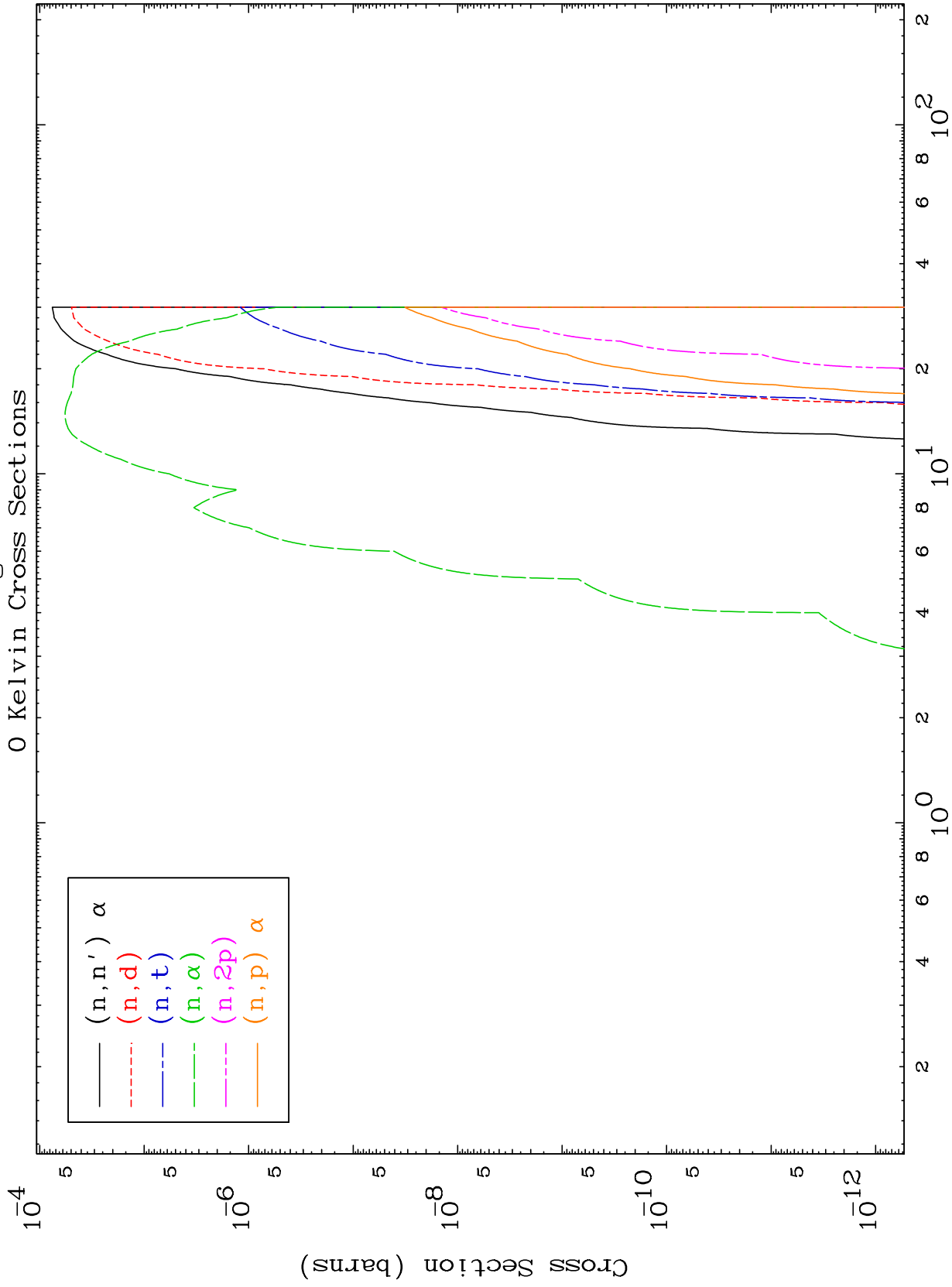
Incident Energy (MeV)

60-Nd-144

MAT 6031

Photon Charged Particle
0 Kelvin Cross Sections

60-Nd-144



5

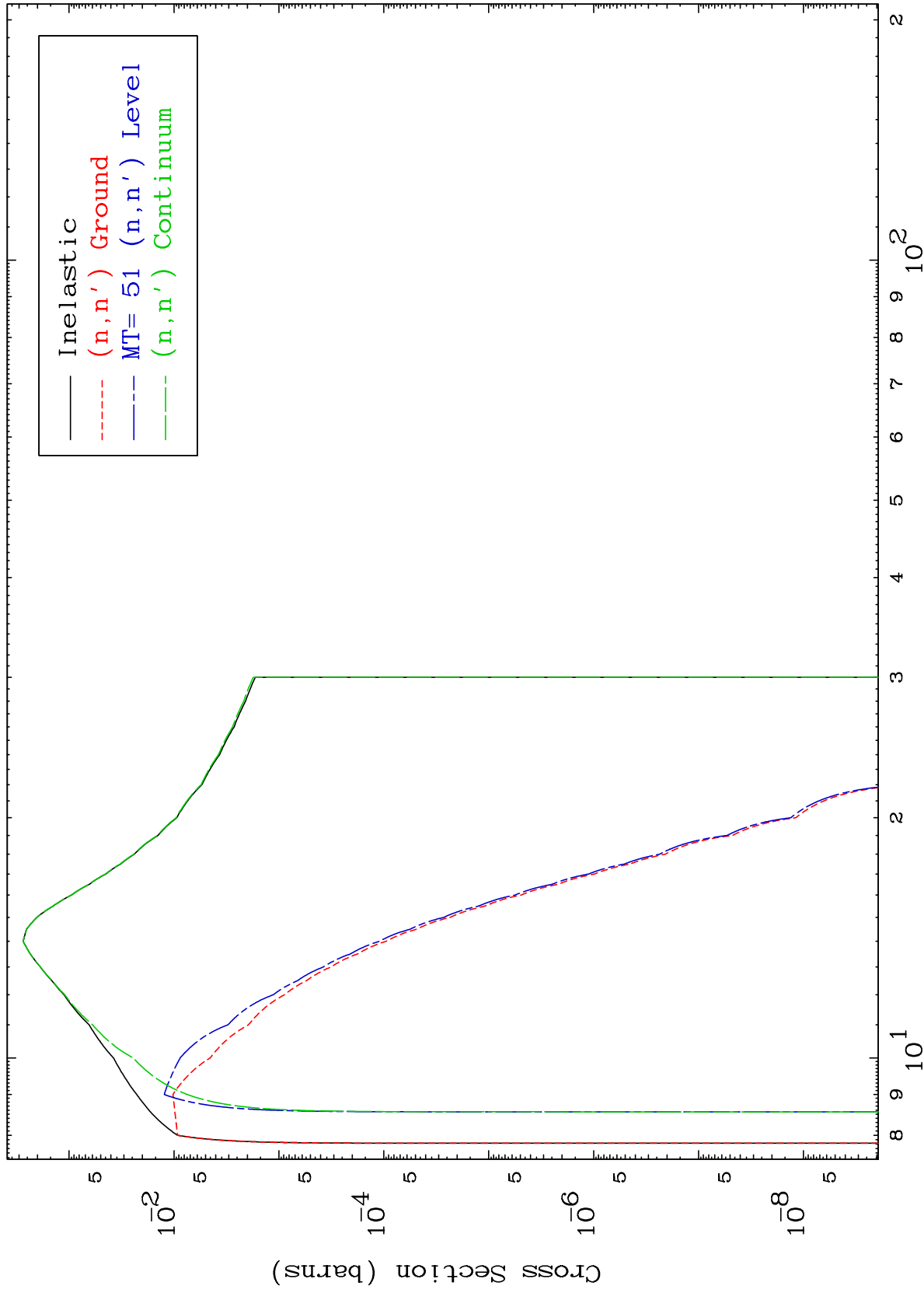
Incident Energy (MeV)

60-Nd-144

MAT 6031

60-Nd-144

(γ, n') Levels
0 Kelvin Cross Sections



6

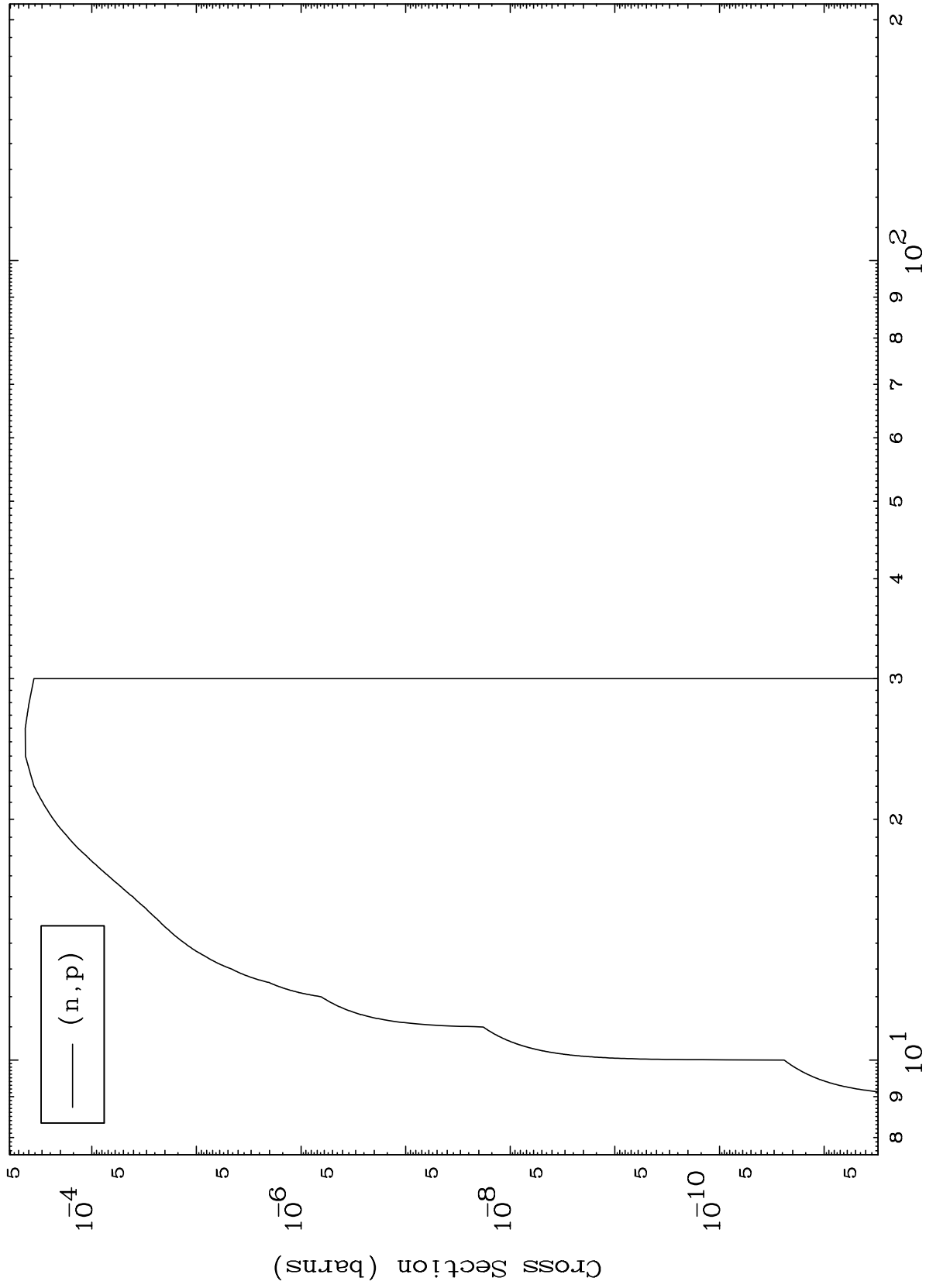
Incident Energy (MeV)

60-Nd-144

MAT 6031

(γ, p) Levels
0 Kelvin Cross Sections

60-Nd-144



7

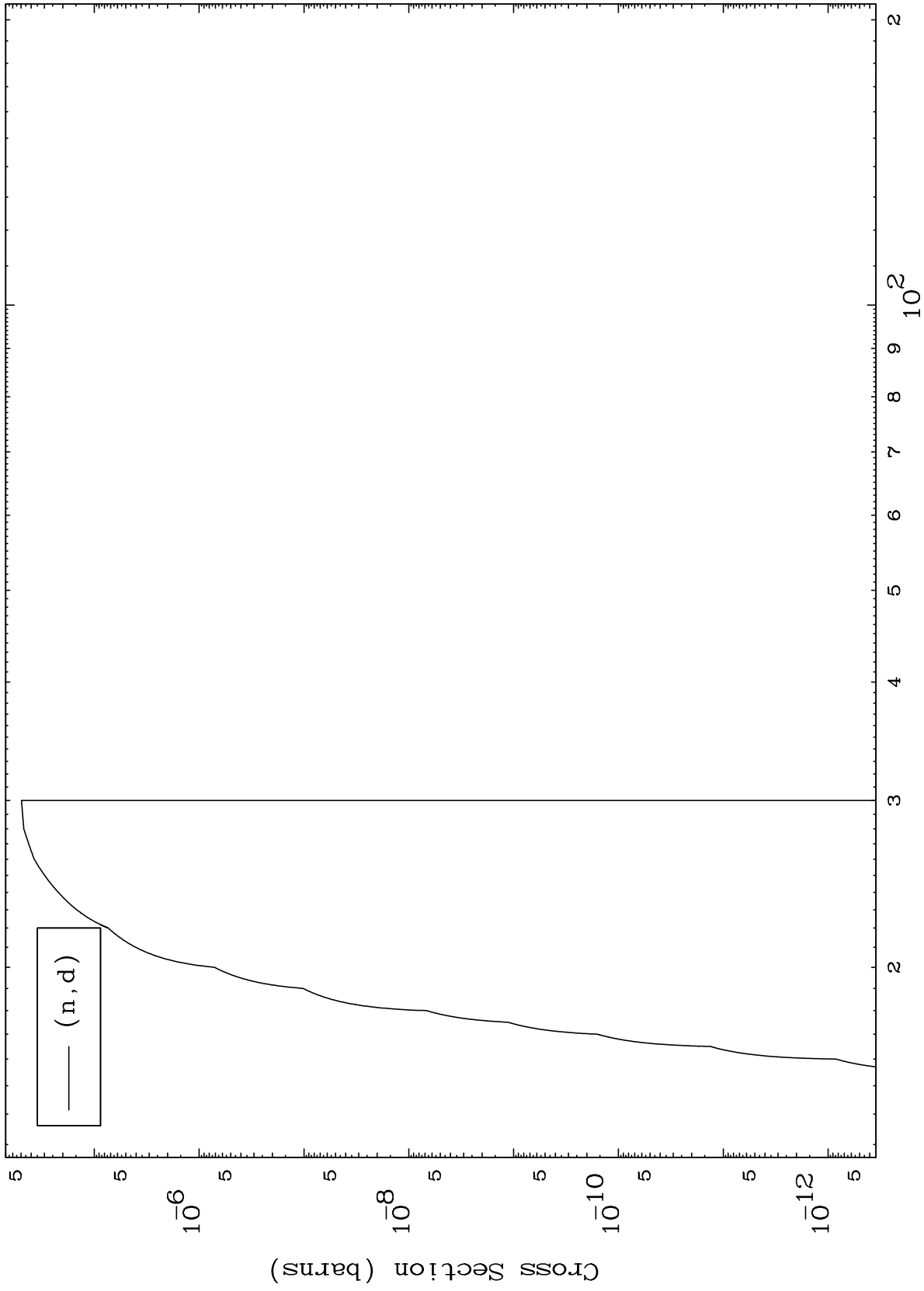
Incident Energy (MeV)

60-Nd-144

MAT 6031

(γ, d) Levels
0 Kelvin Cross Sections

60-Nd-144



8

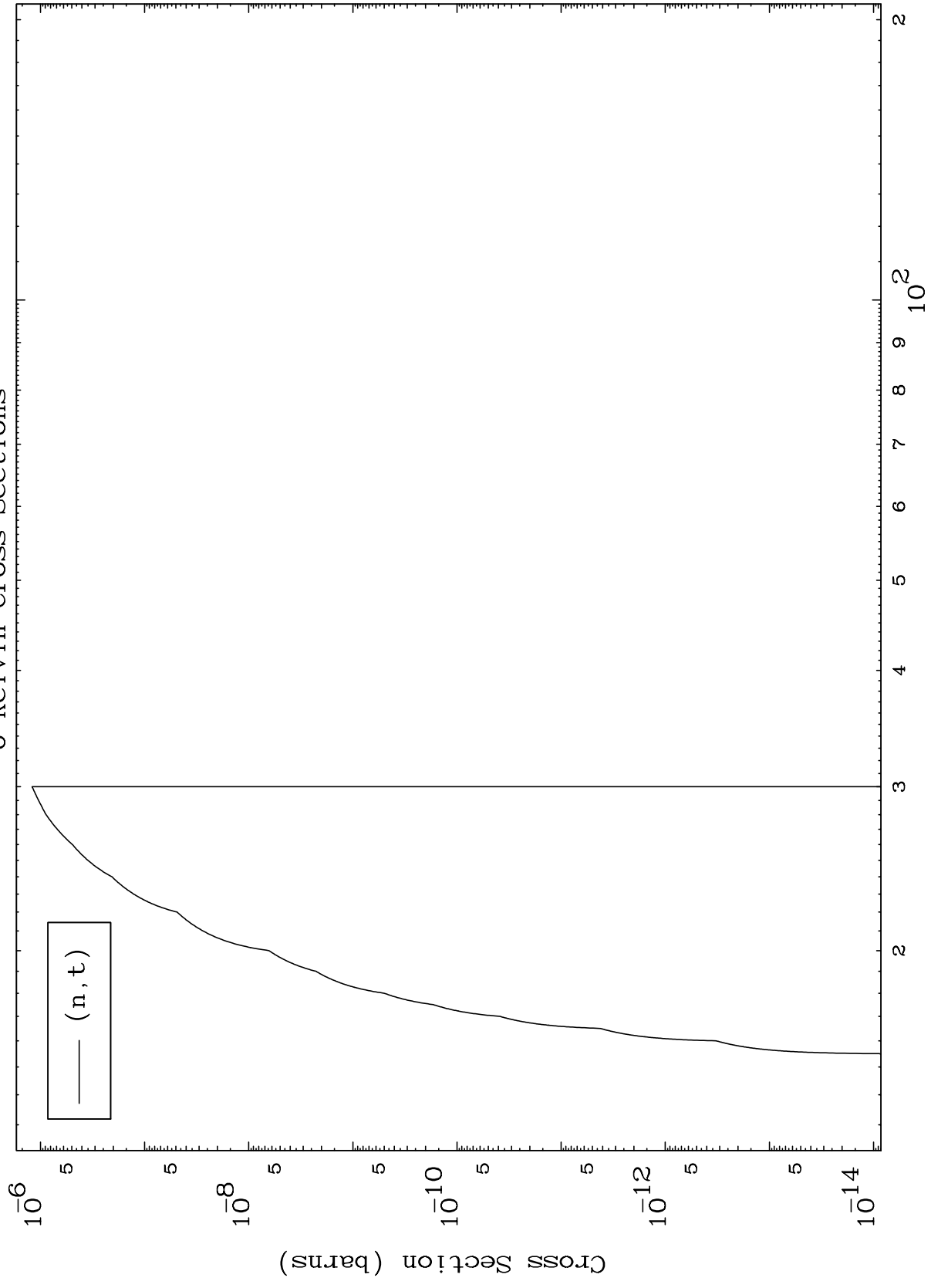
Incident Energy (MeV)

60-Nd-144

MAT 6031

(γ, t) Levels
0 Kelvin Cross Sections

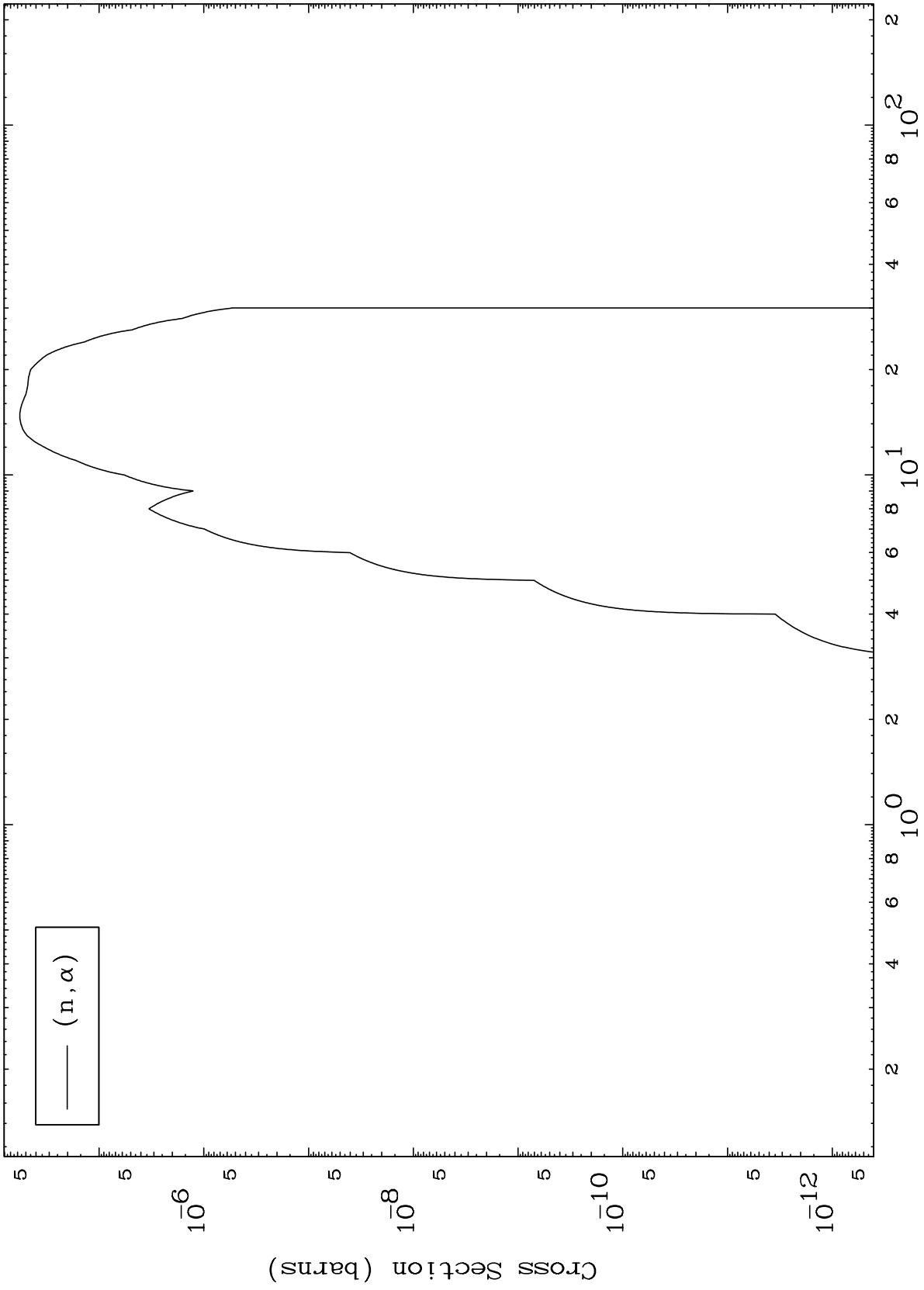
60-Nd-144



MAT 6031

(γ, α) Levels
0 Kelvin Cross Sections

60-Nd-144



10

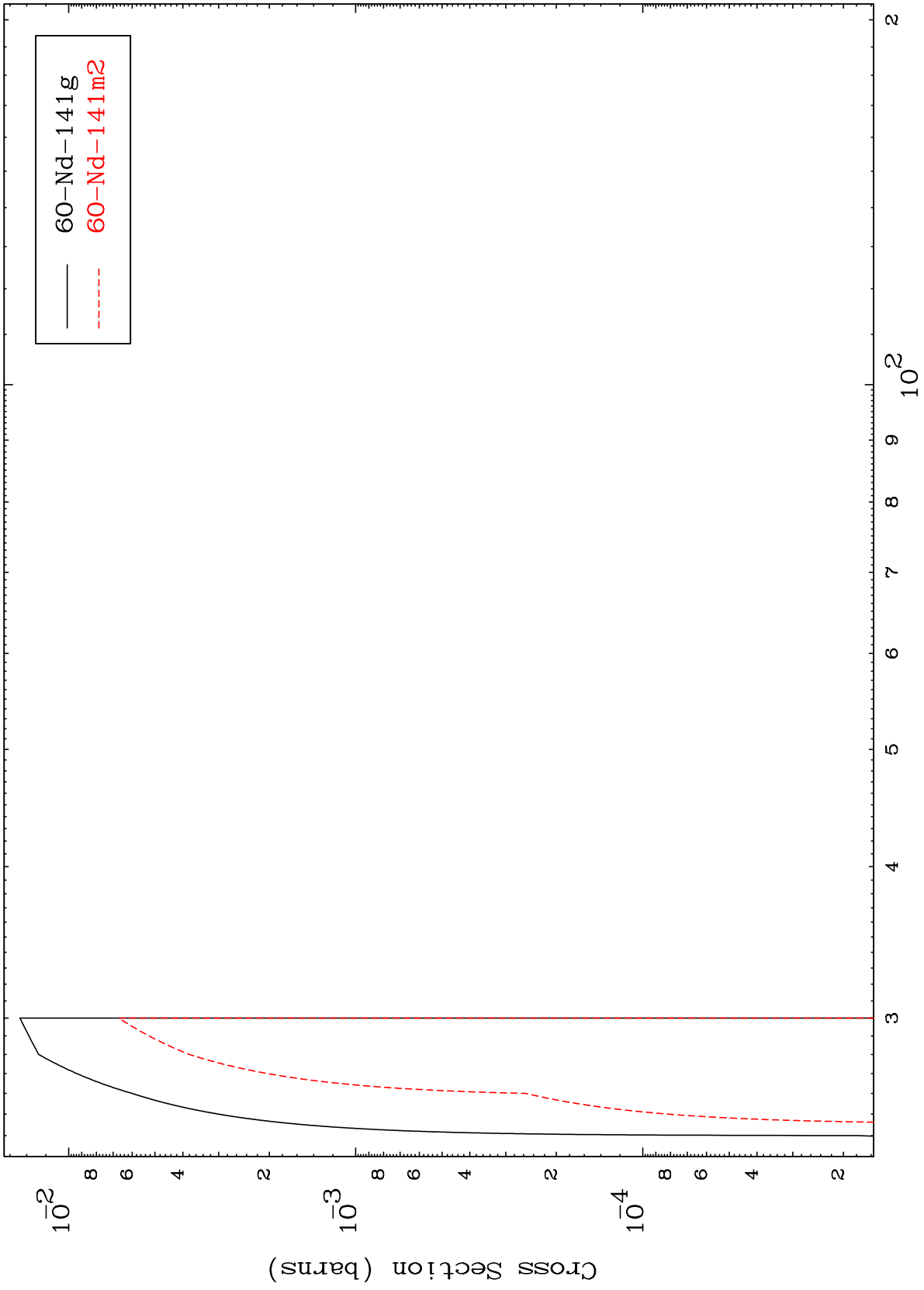
Incident Energy (MeV)

60-Nd-144

MAT 6031

60-Nd-144

(n,3n)
Radionuclide Production Cross Section



11

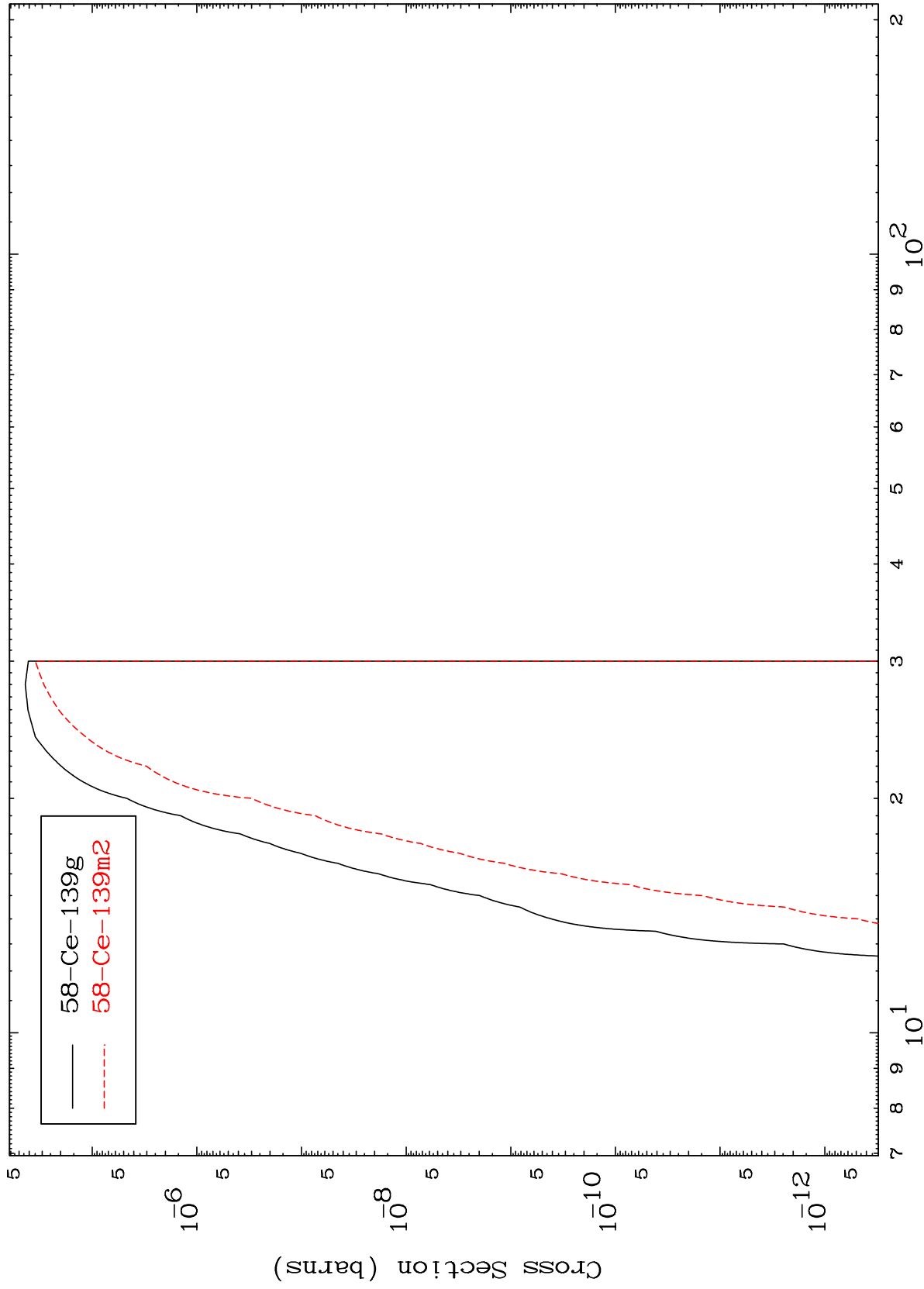
60-Nd-144

MAT 6031

(n,n') α

60-Nd-144

Radionuclide Production Cross Section



12

Incident Energy (MeV)

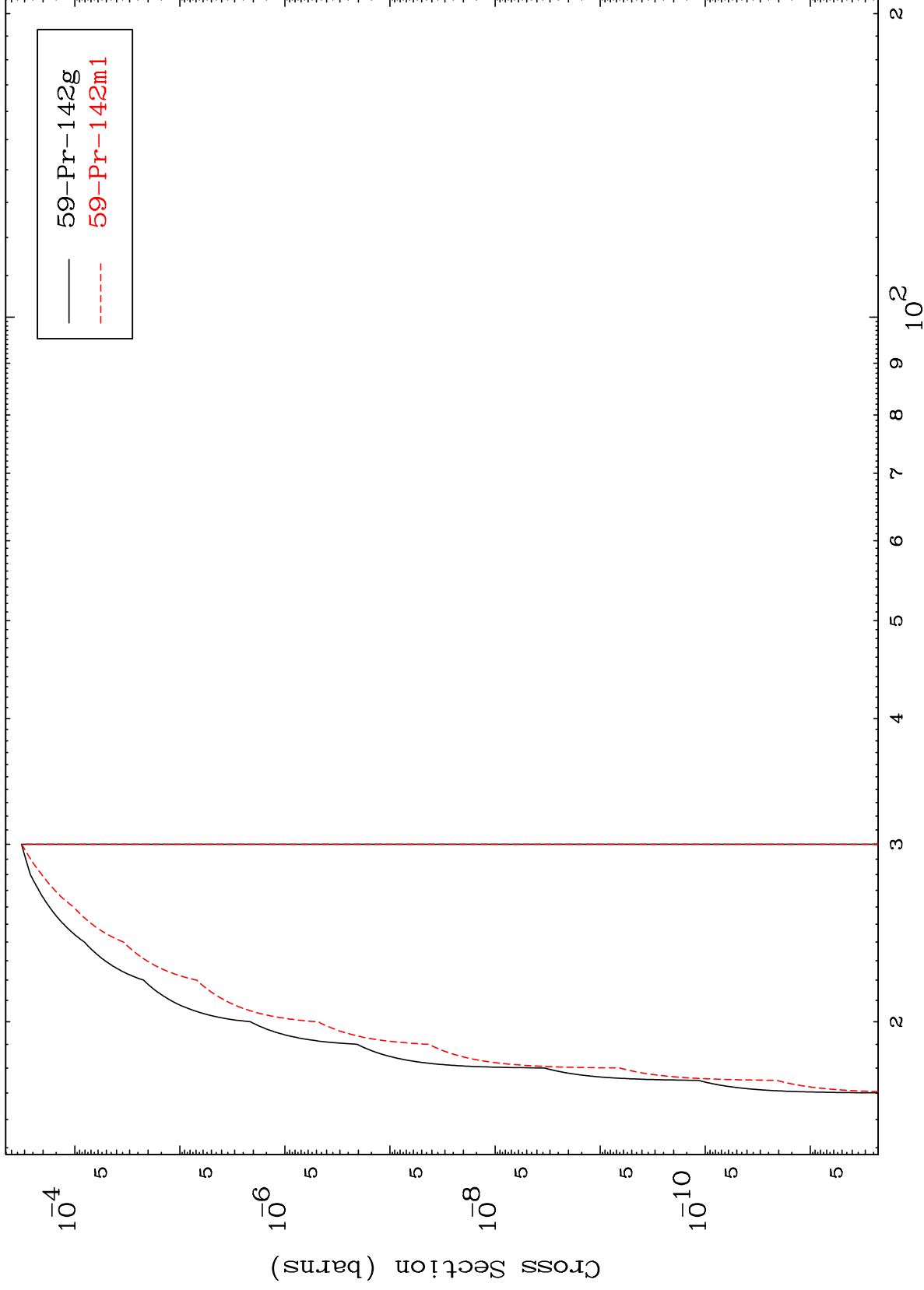
60-Nd-144

MAT 6031

(n,n') p

⁶⁰Nd-144

Radionuclide Production Cross Section



13

Incident Energy (MeV)

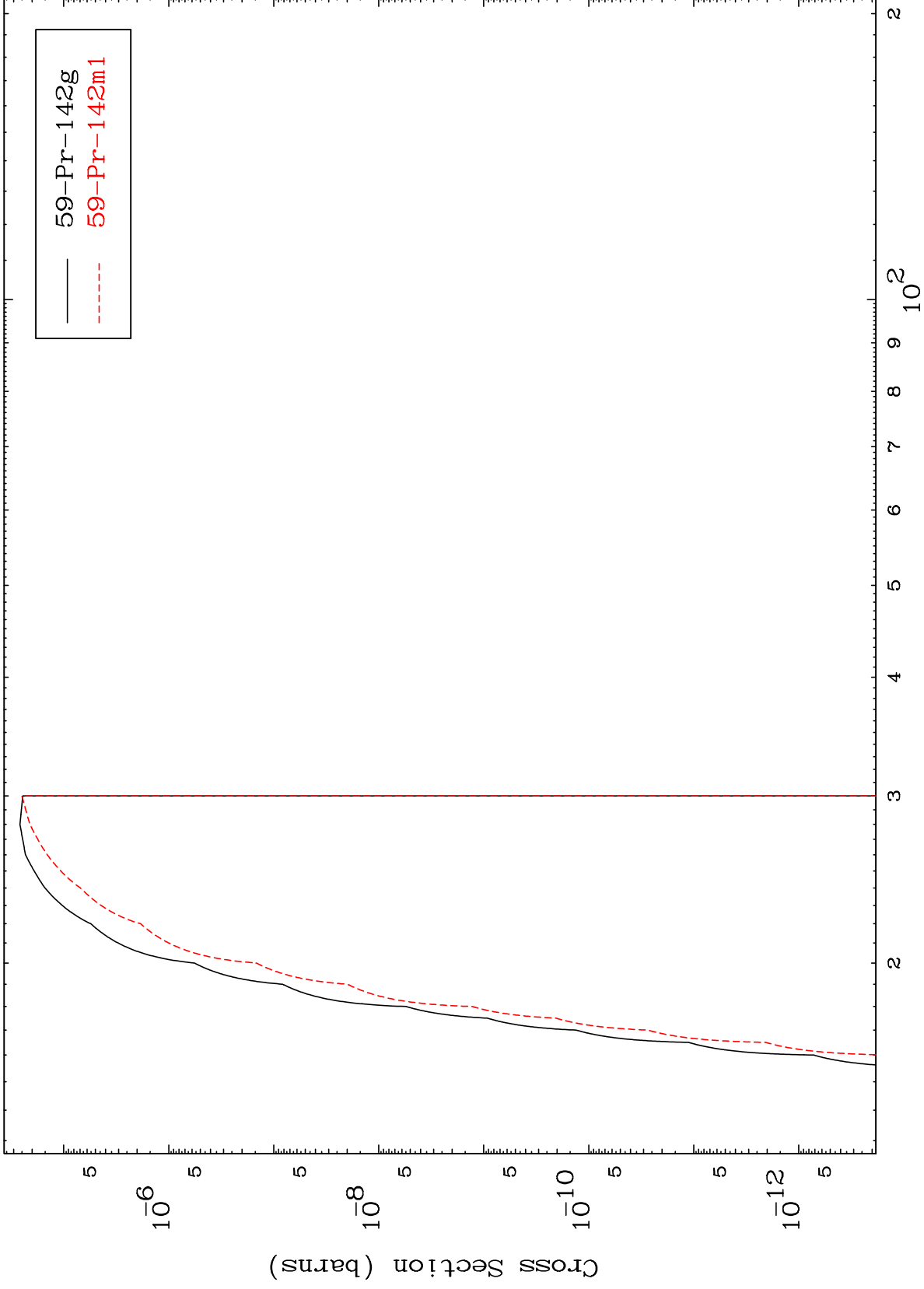
⁶⁰Nd-144

MAT 6031

(n,d)

60-Nd-144

Radionuclide Production Cross Section



14

Incident Energy (MeV)

60-Nd-144