

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

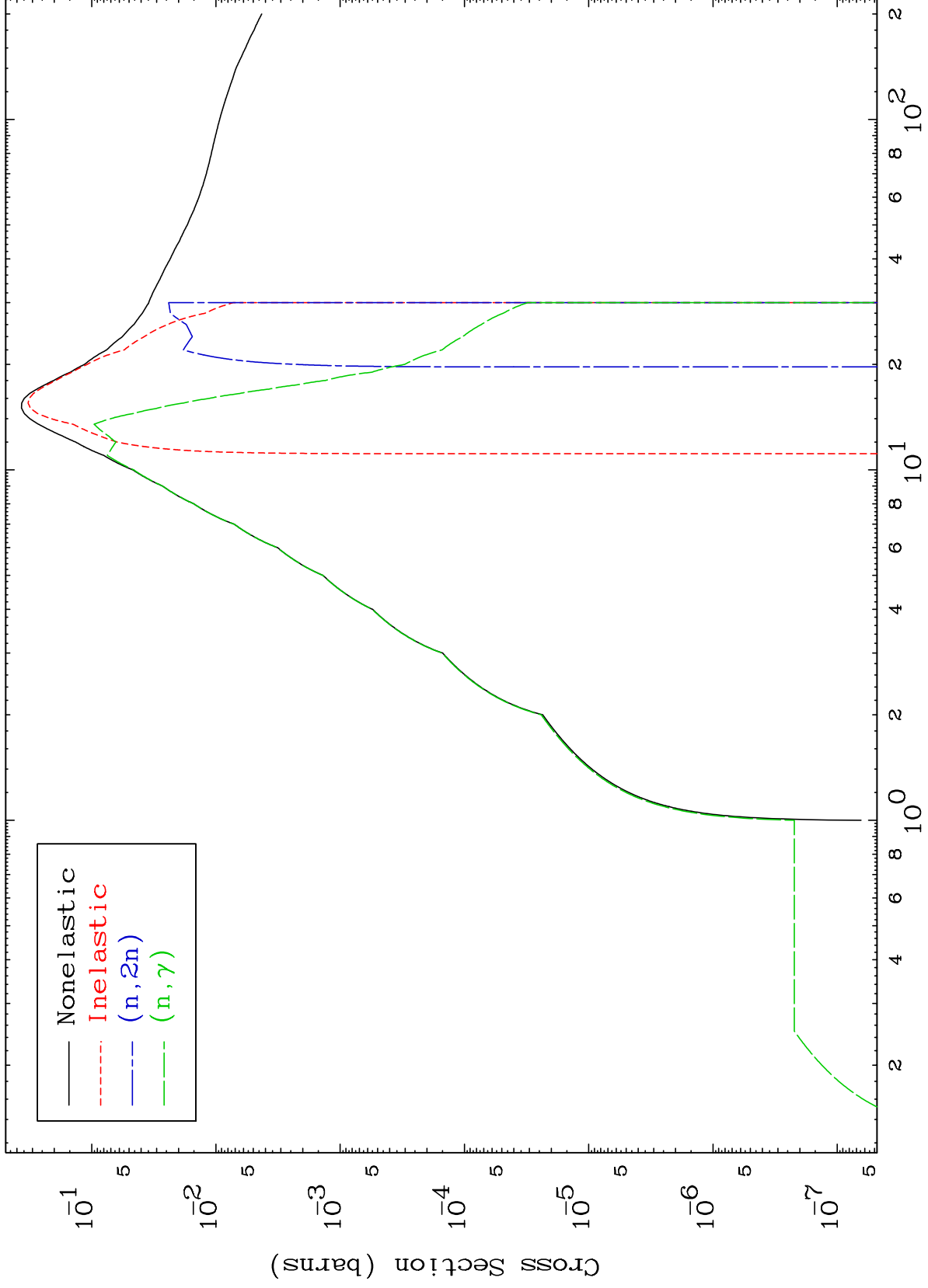
Press Mouse Button to Start

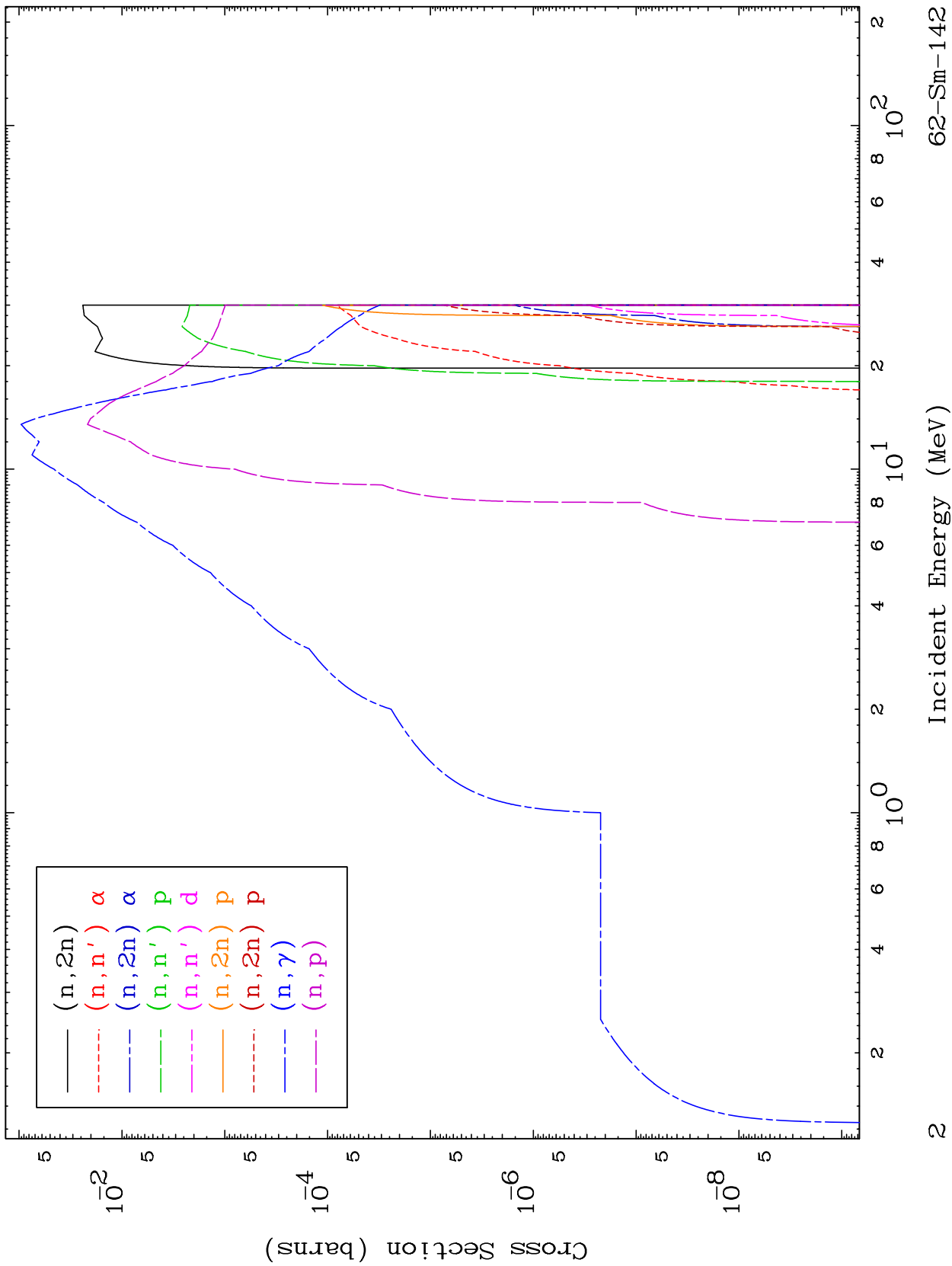
MAT 6219

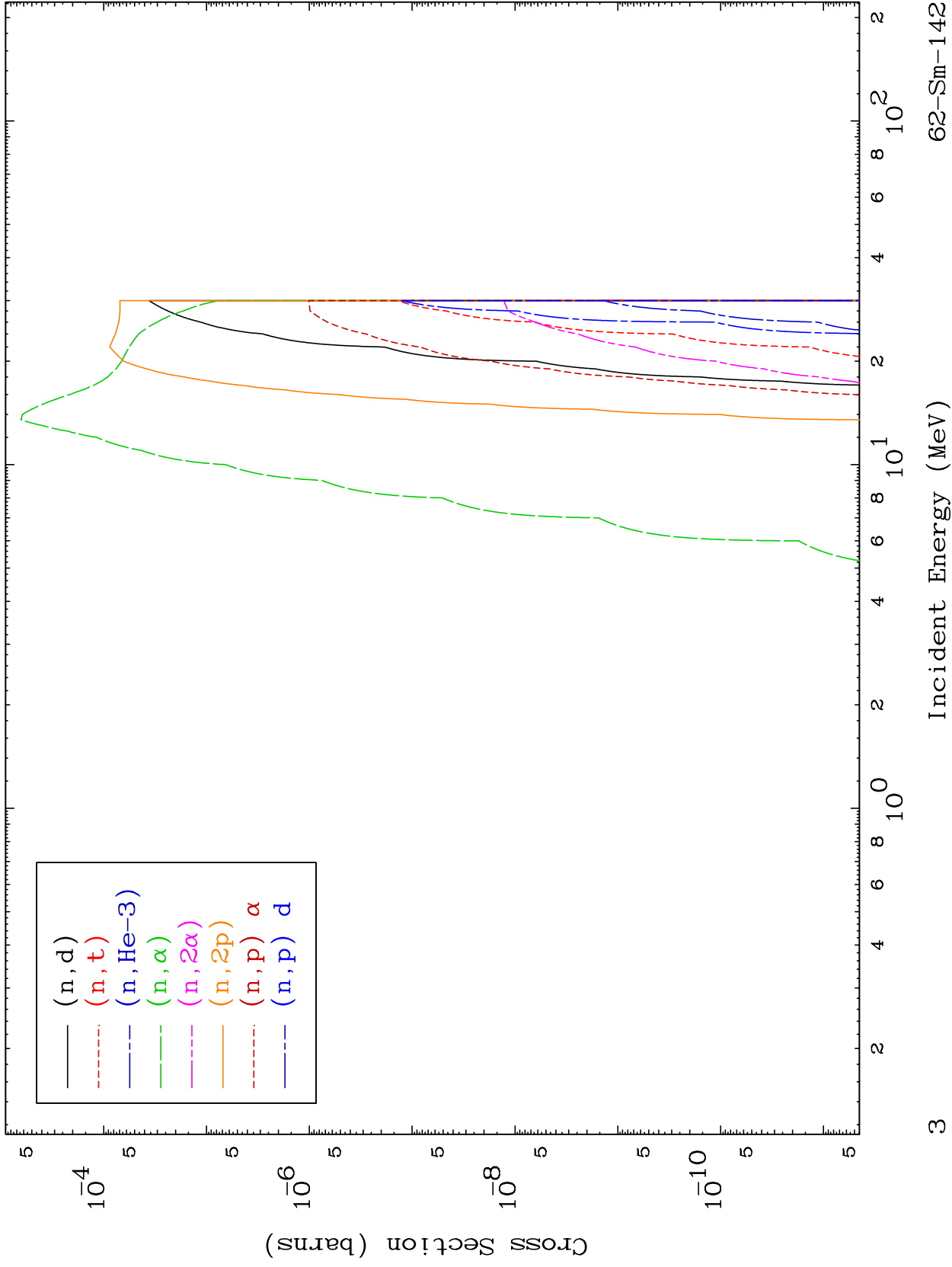
Photon Major

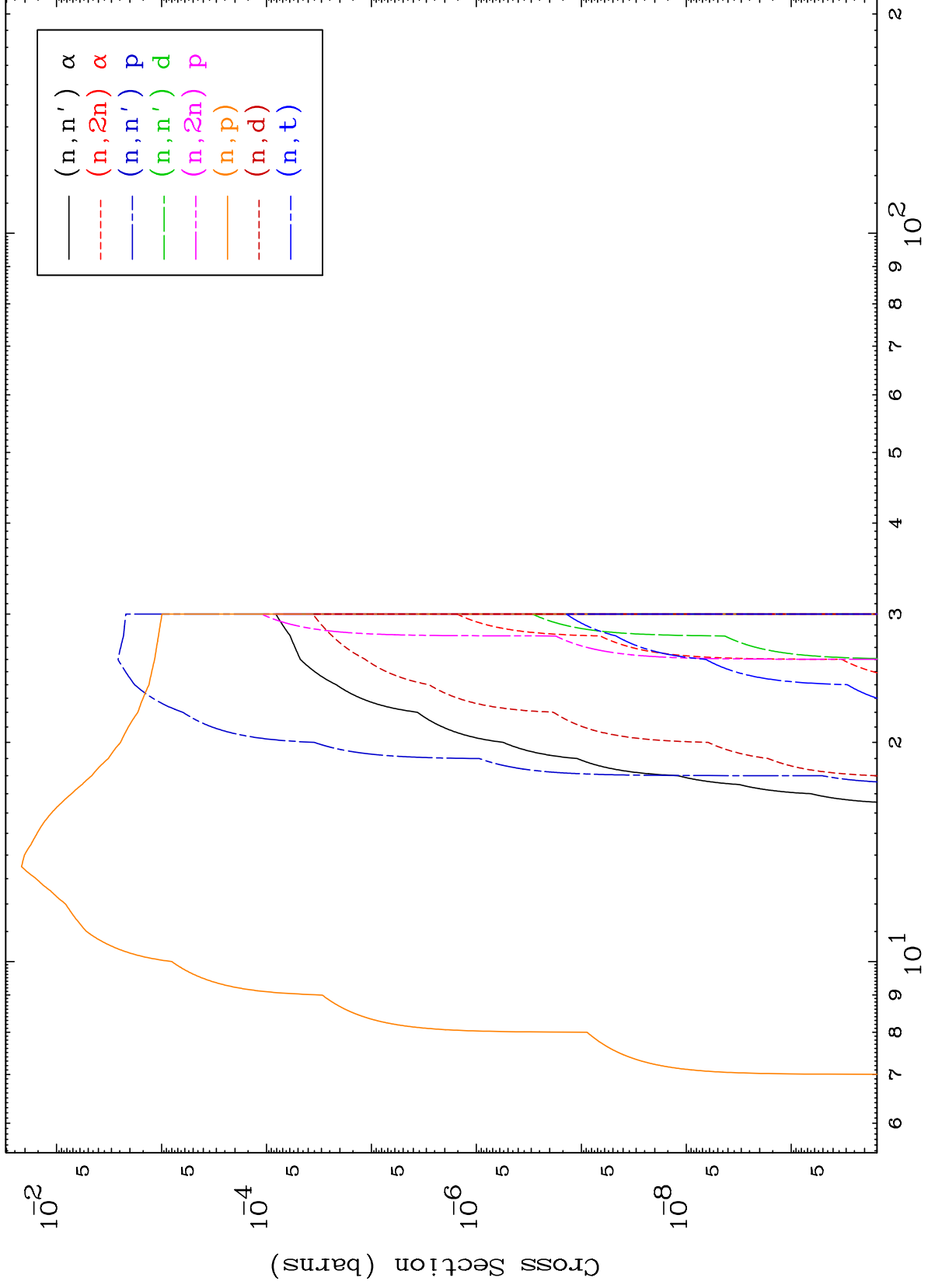
62-Sm-142

0 Kelvin Cross Sections





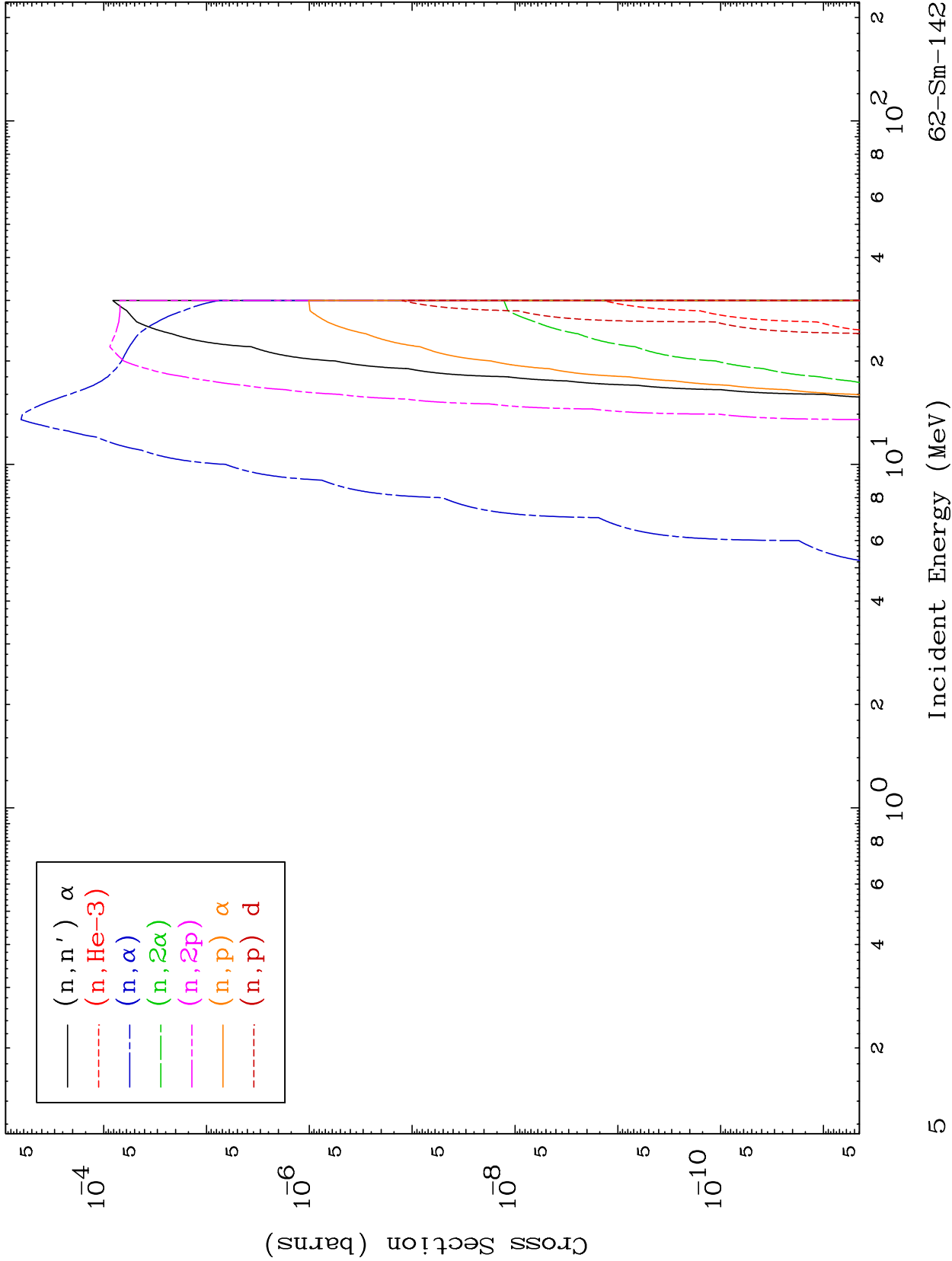




MAT 6219

Photon Charged Particle
0 Kelvin Cross Sections

62-Sm-142

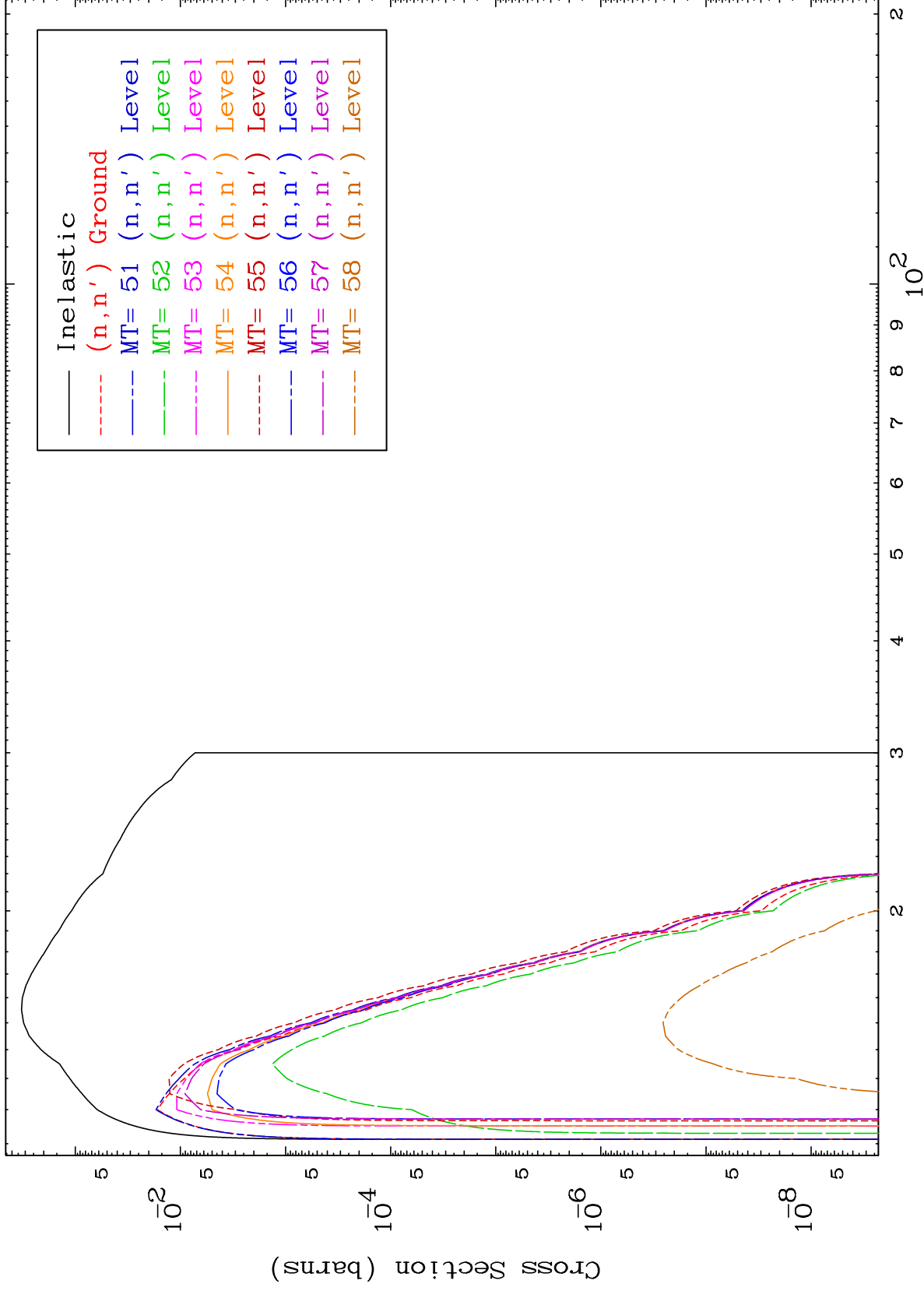


MAT 6219

(γ, n') Levels

62-Sm-142

0 Kelvin Cross Sections

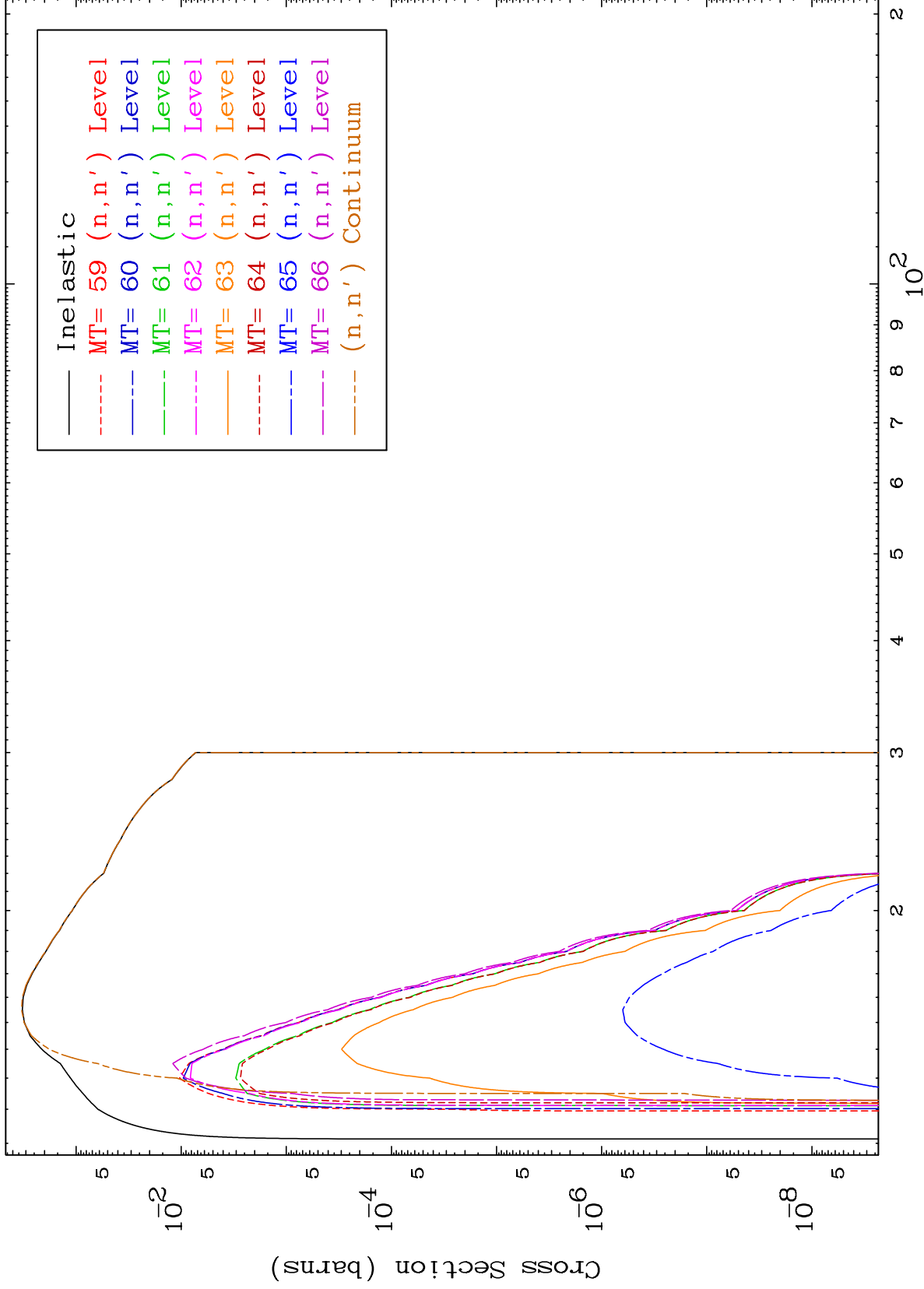


Incident Energy (MeV)

62-Sm-142

6

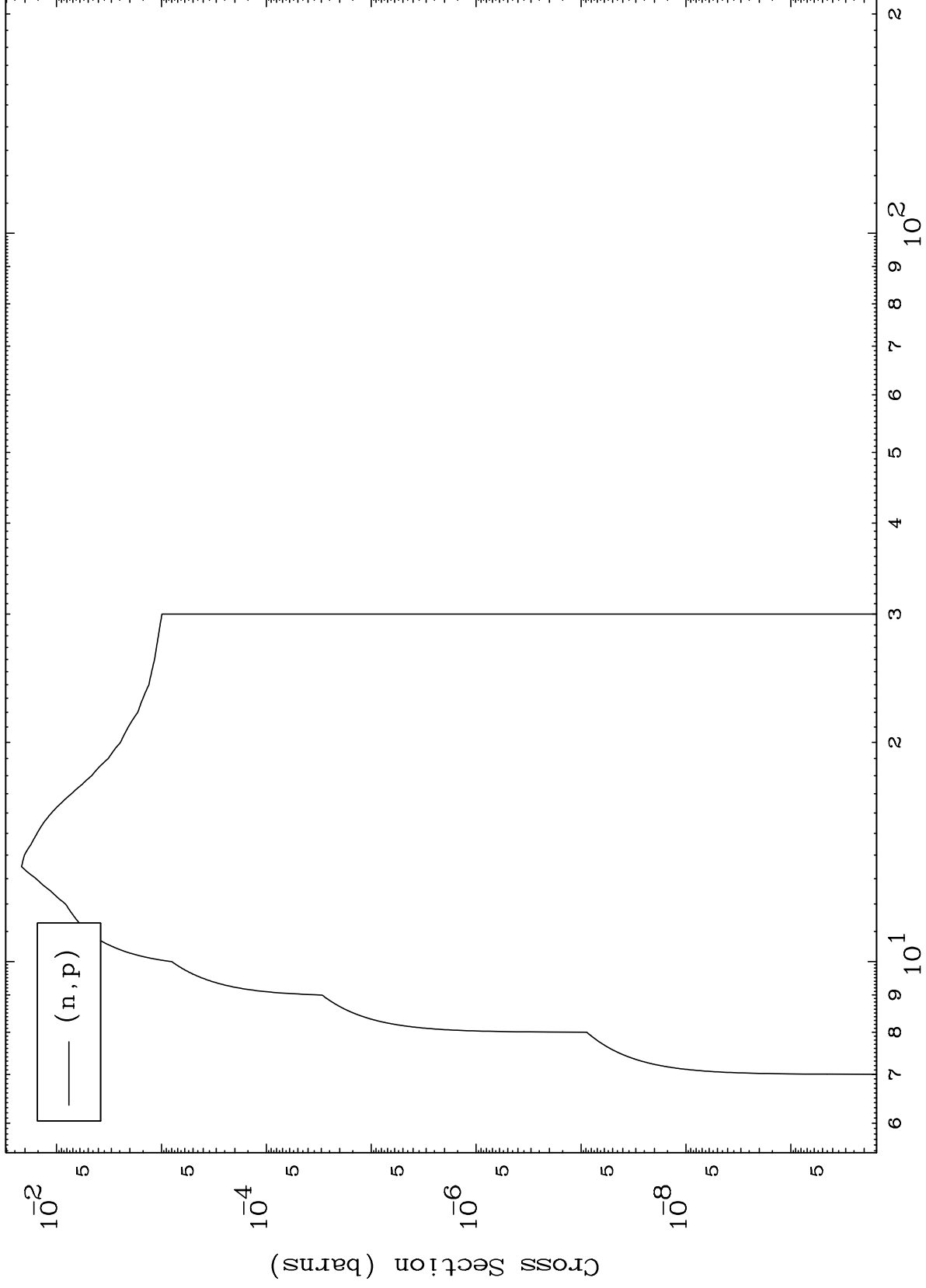
0 Kelvin Cross Sections



MAT 6219

(γ, p) Levels
0 Kelvin Cross Sections

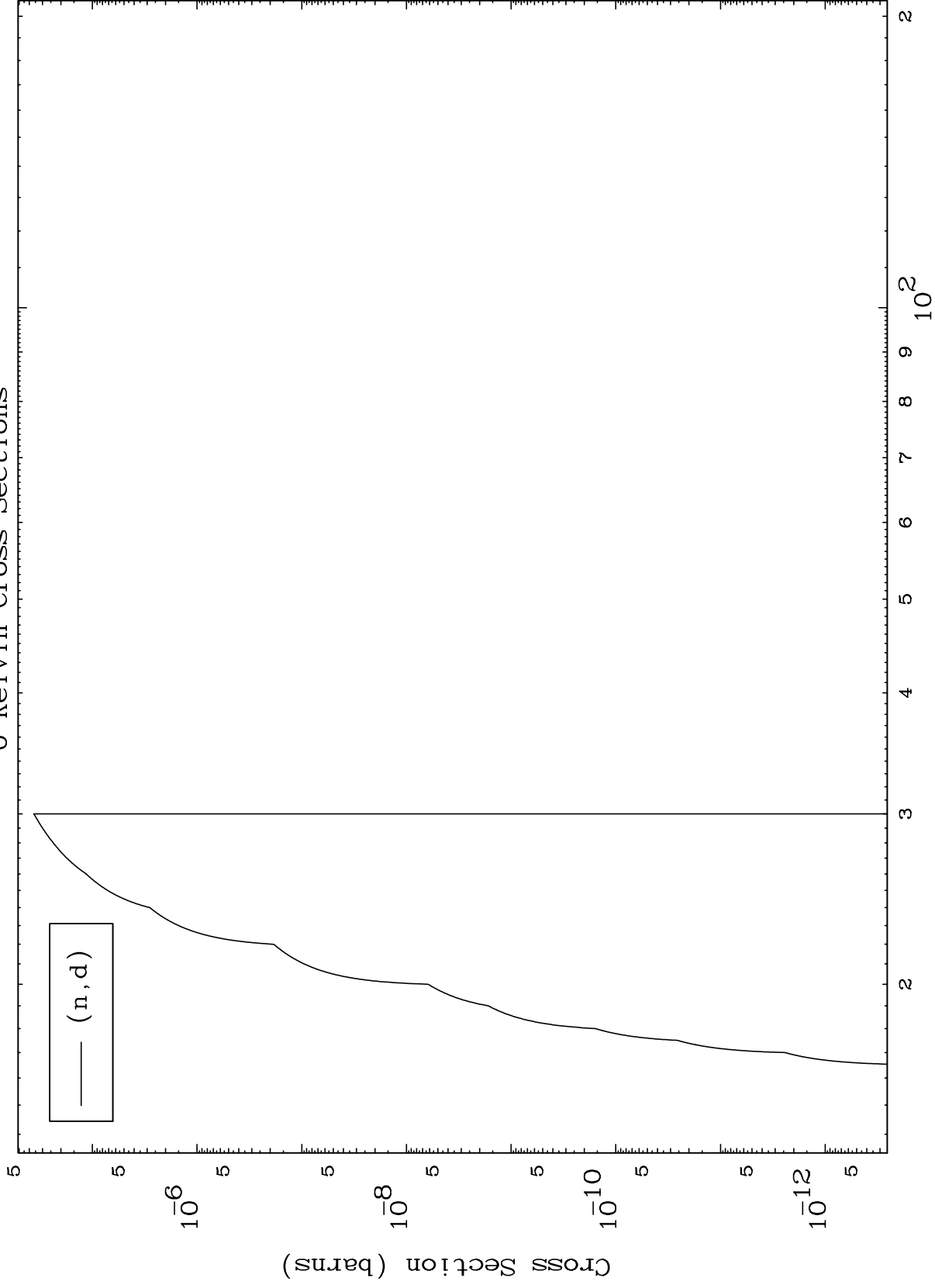
62-Sm-142



8

Incident Energy (MeV)

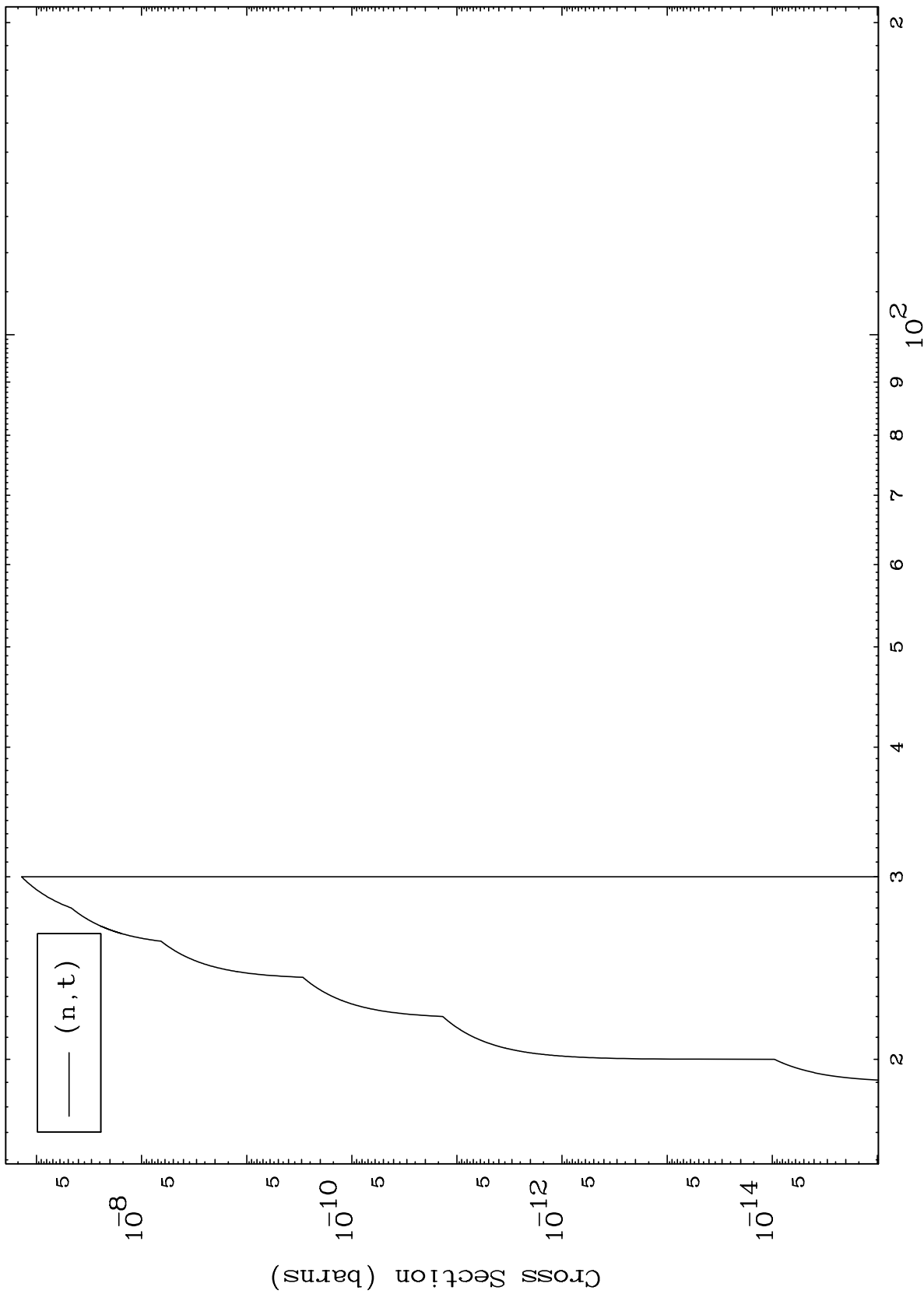
62-Sm-142



MAT 6219

62-Sm-142

(γ, t) Levels
0 Kelvin Cross Sections

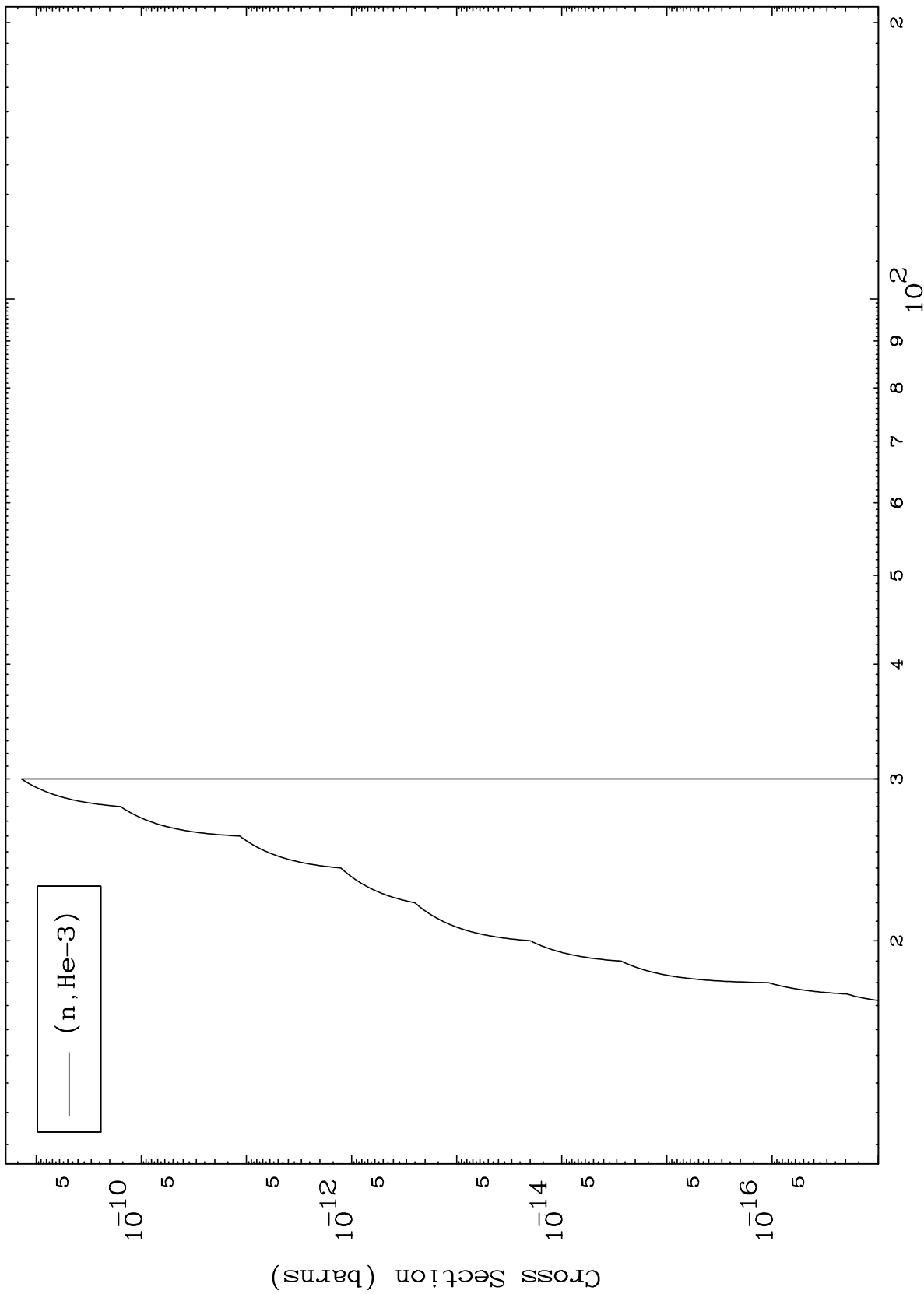


10

62-Sm-142

Incident Energy (MeV)

($\gamma, \text{He}3$) Levels
0 Kelvin Cross Sections

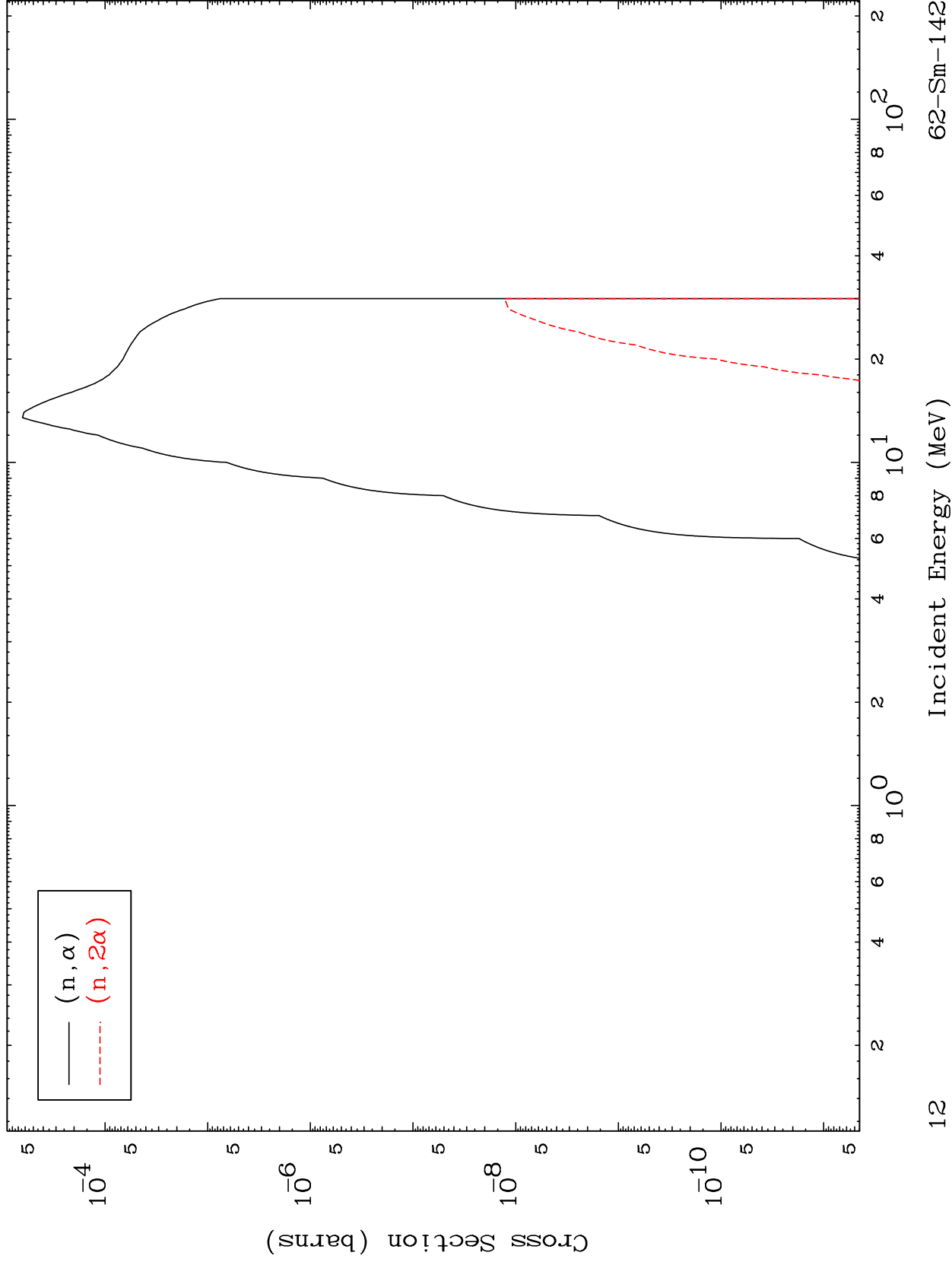


MAT 6219

(γ, α) Levels

62-Sm-142

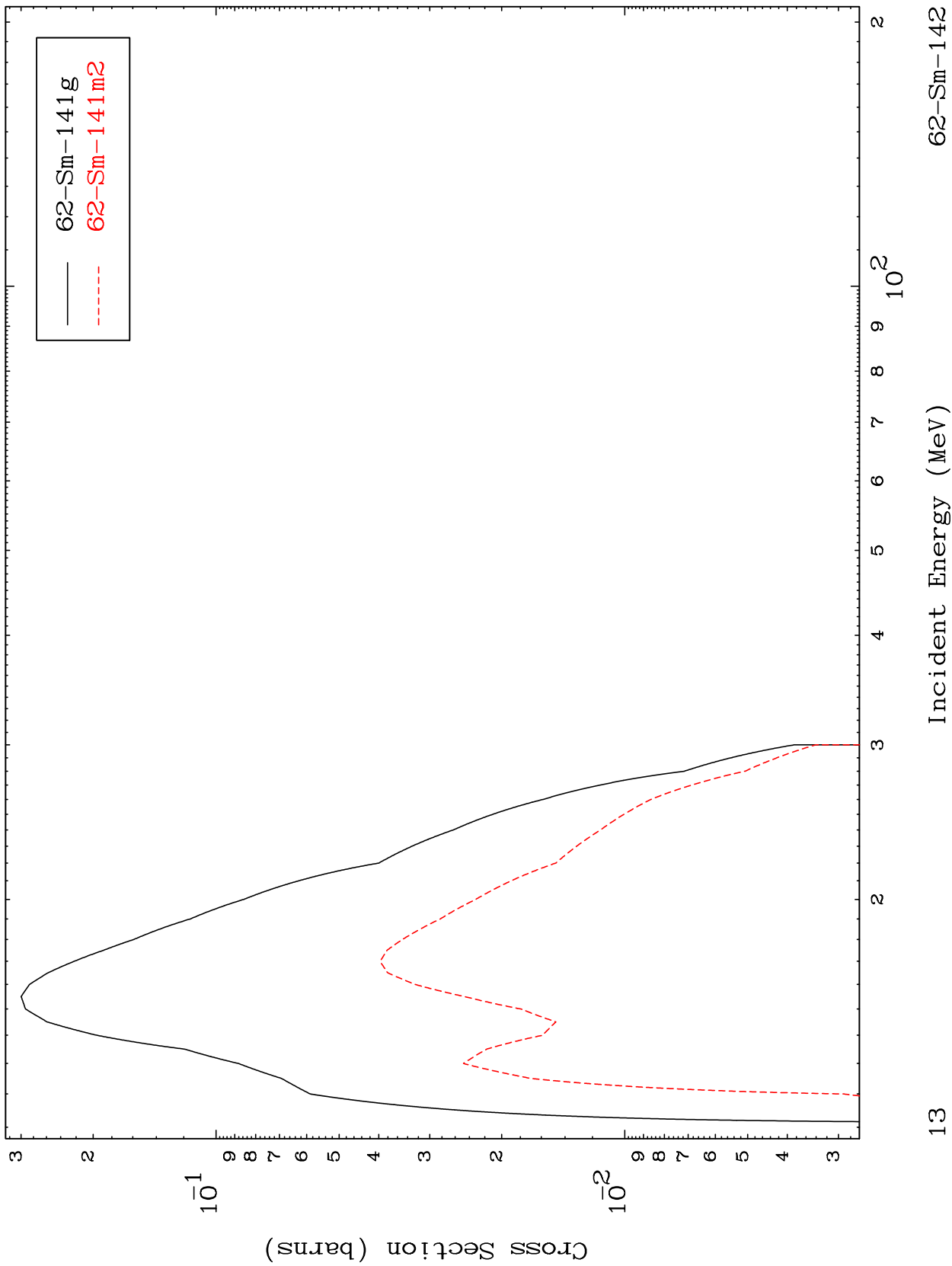
0 Kelvin Cross Sections



MAT 6219

62-Sm-142

Inelastic
Radionuclide Production Cross Section



13

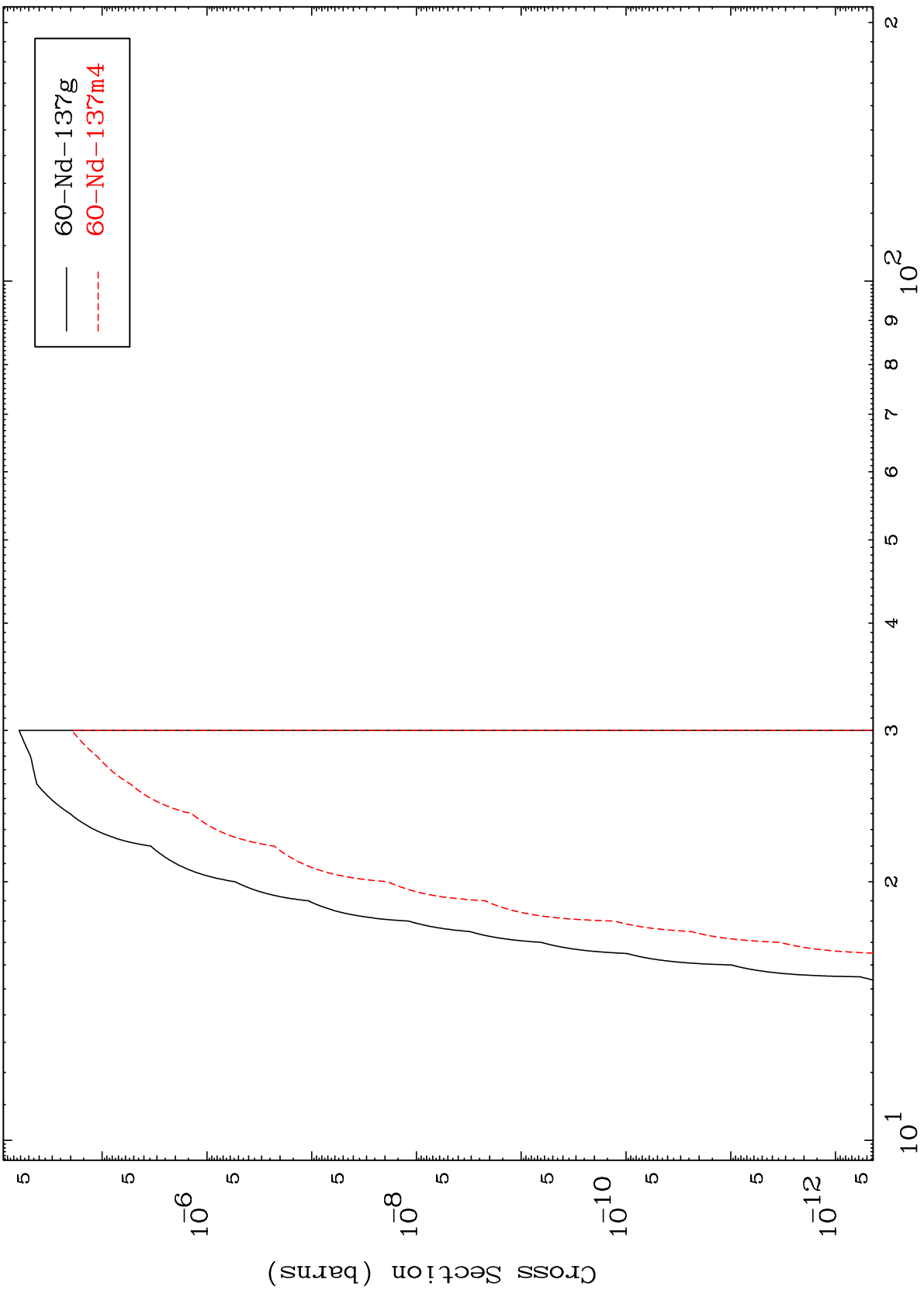
62-Sm-142

MAT 6219

$(n, n') \alpha$

62-Sm-142

Radionuclide Production Cross Section

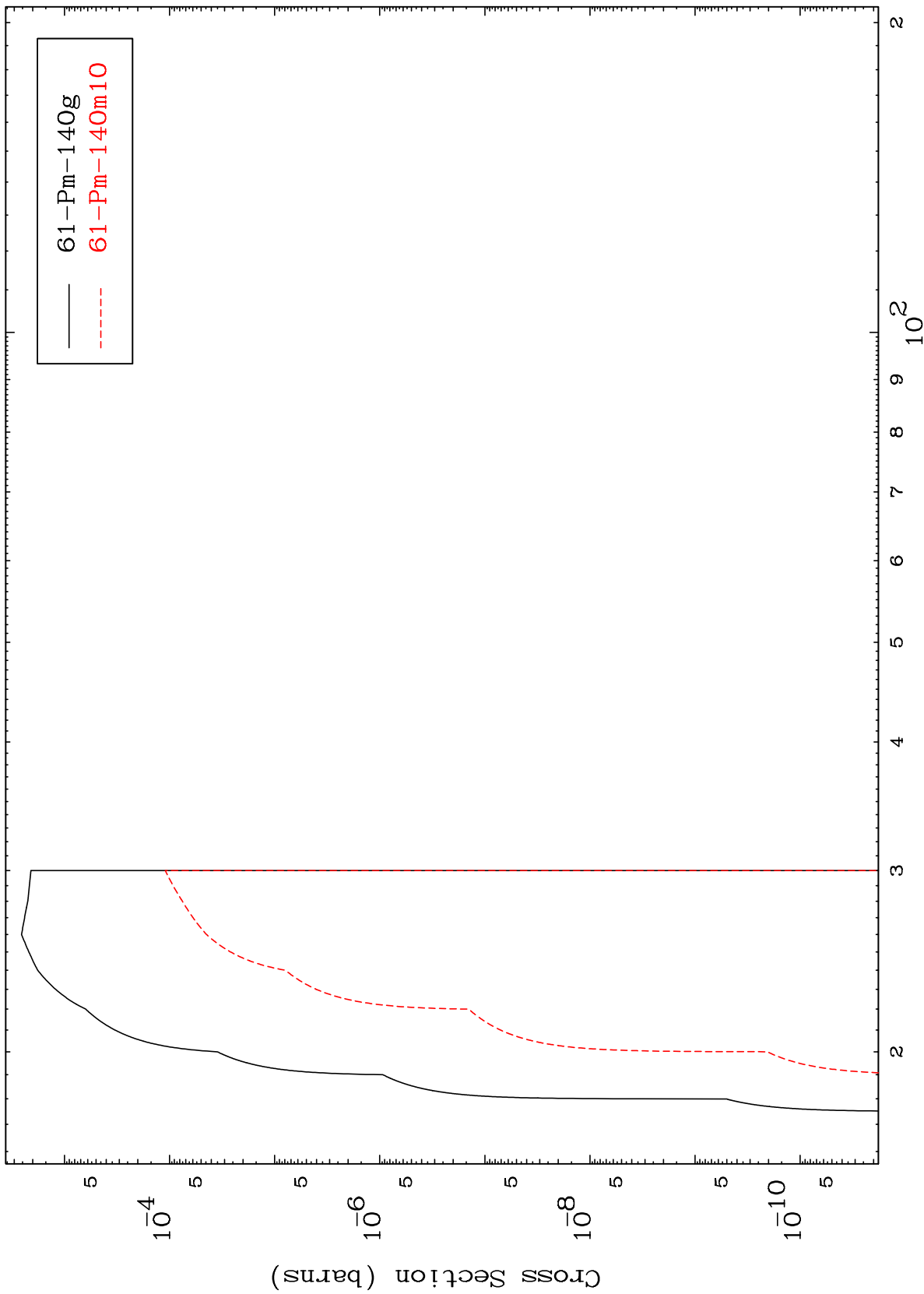


14

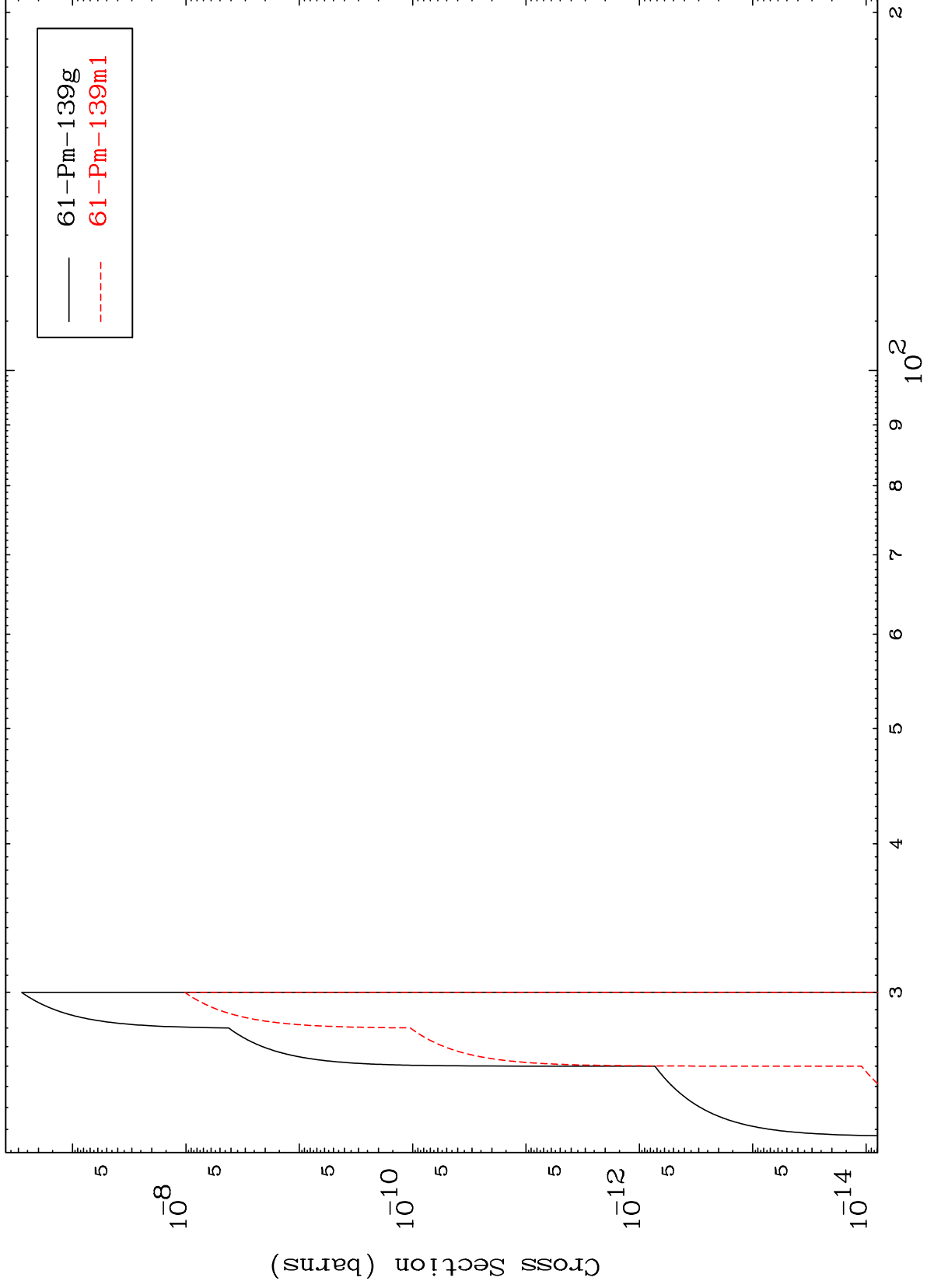
Incident Energy (MeV)

62-Sm-142

Radionuclide Production Cross Section



Radionuclide Production Cross Section

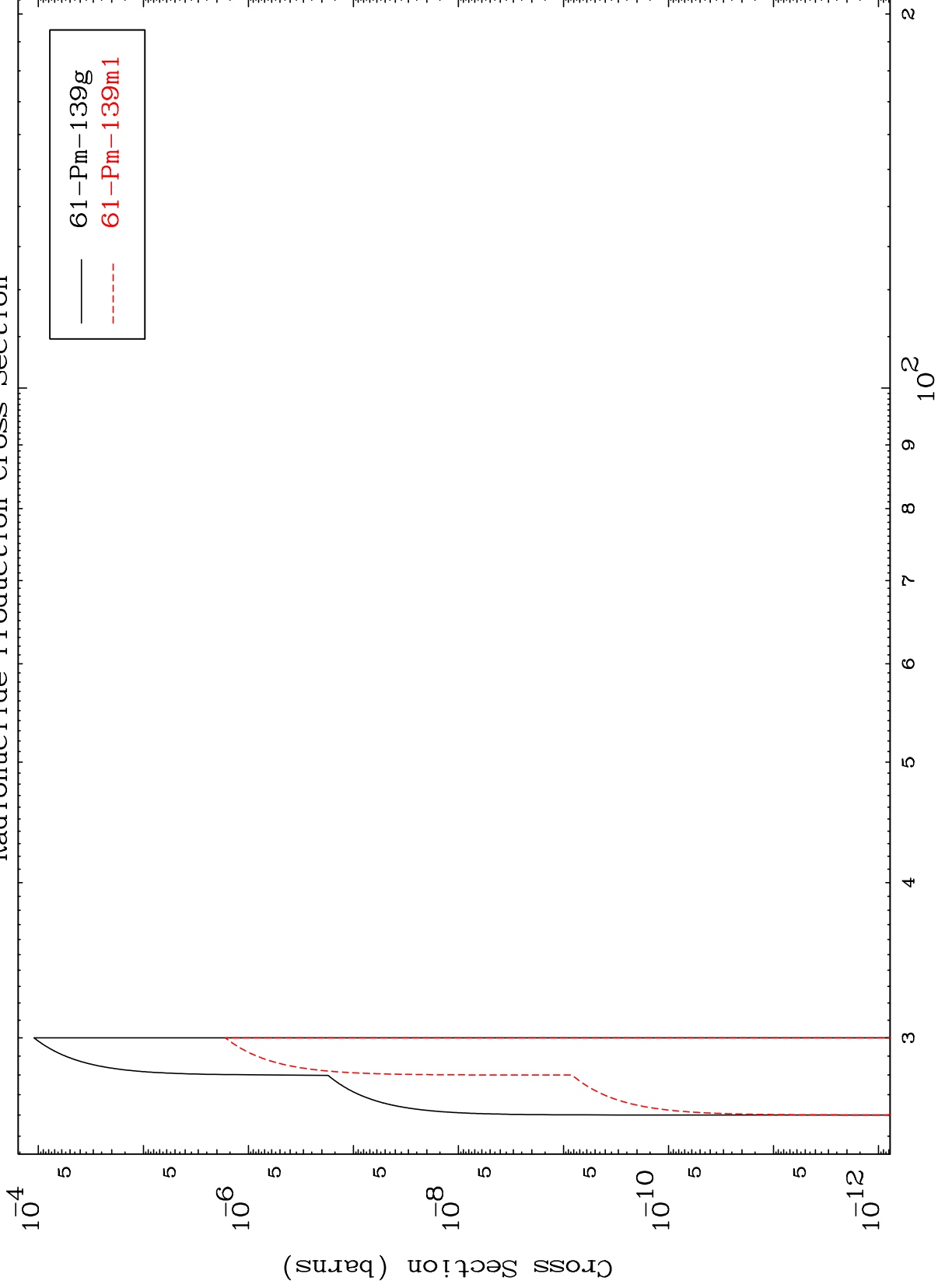


MAT 6219

(n,2n) p

62-Sm-142

Radionuclide Production Cross Section



17

Incident Energy (MeV)

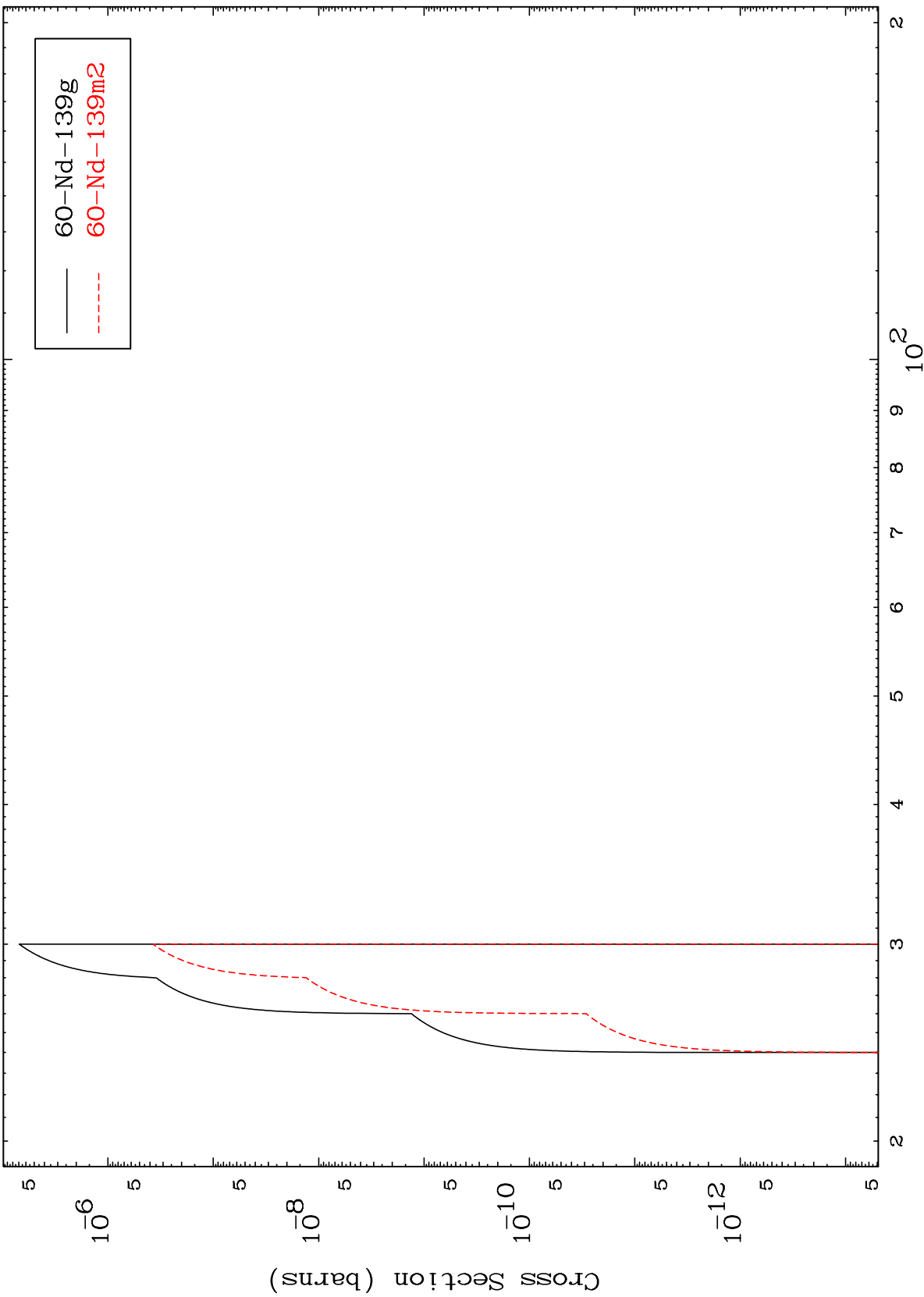
62-Sm-142

MAT 6219

(n,2n) p

62-Sm-142

Radionuclide Production Cross Section



18

Incident Energy (MeV)

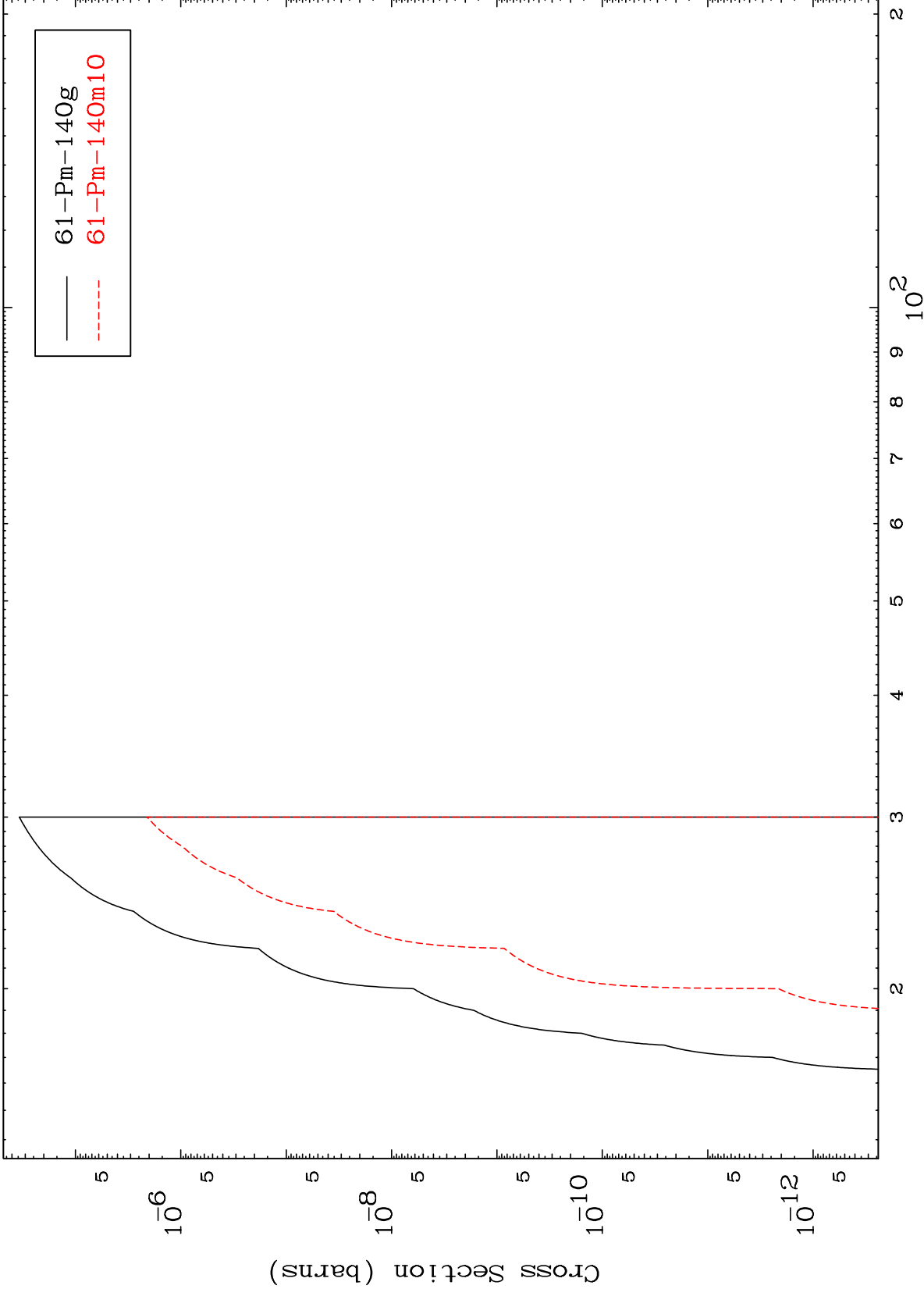
62-Sm-142

MAT 6219

(n,d)

62-Sm-142

Radionuclide Production Cross Section



19

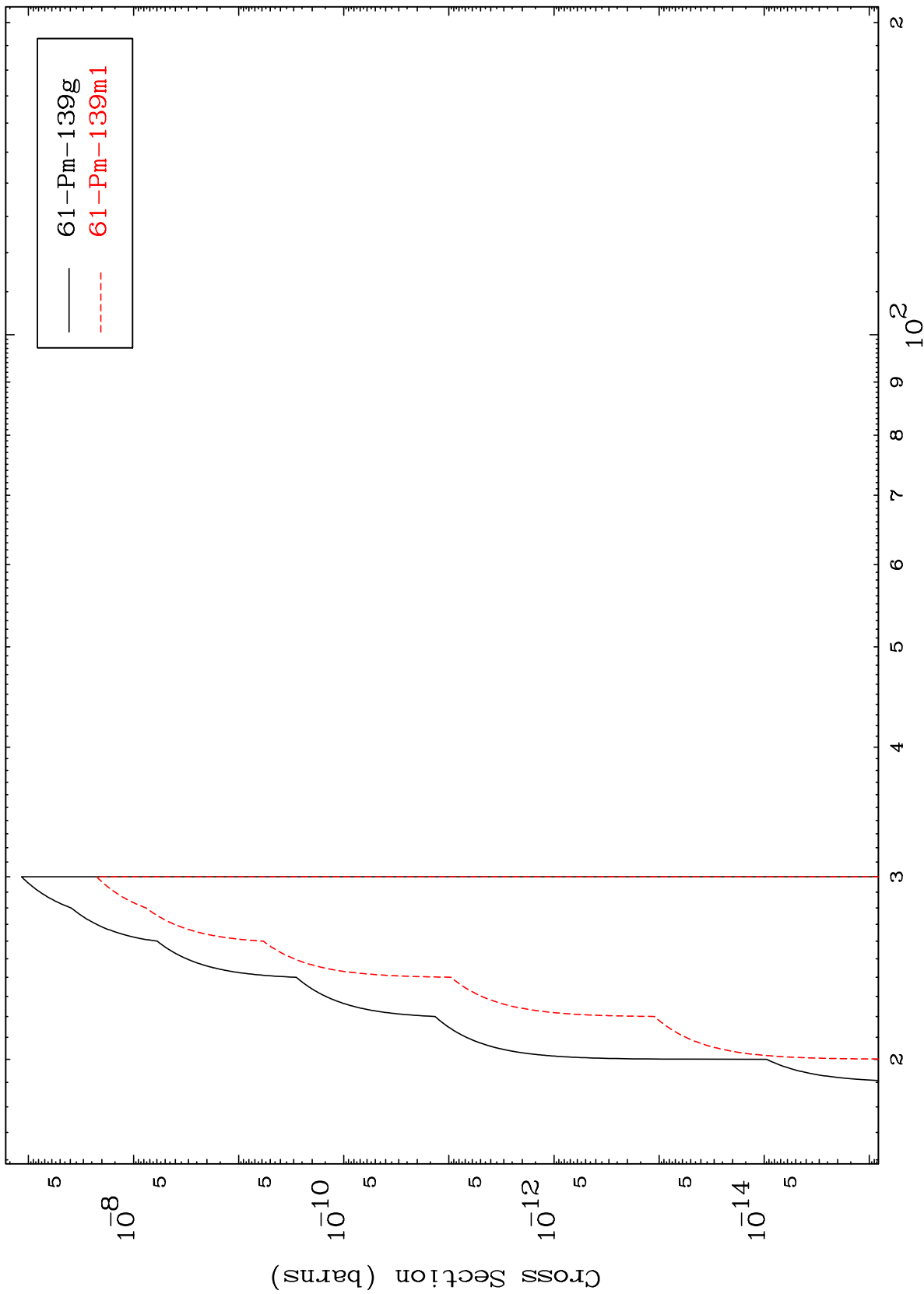
Incident Energy (MeV)

62-Sm-142

MAT 6219

62-Sm-142

(n,t)
Radionuclide Production Cross Section



20

Incident Energy (MeV)

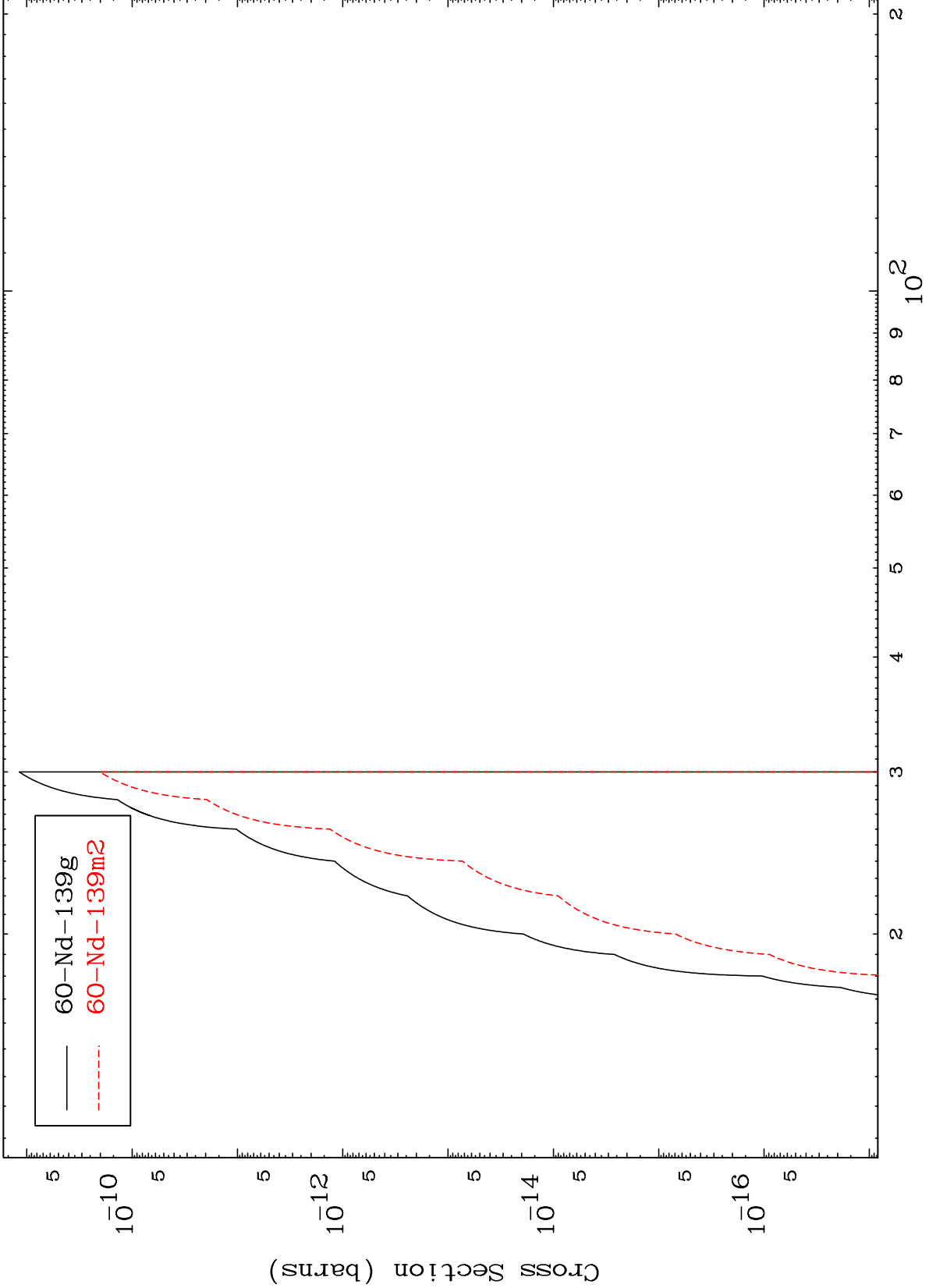
62-Sm-142

MAT 6219

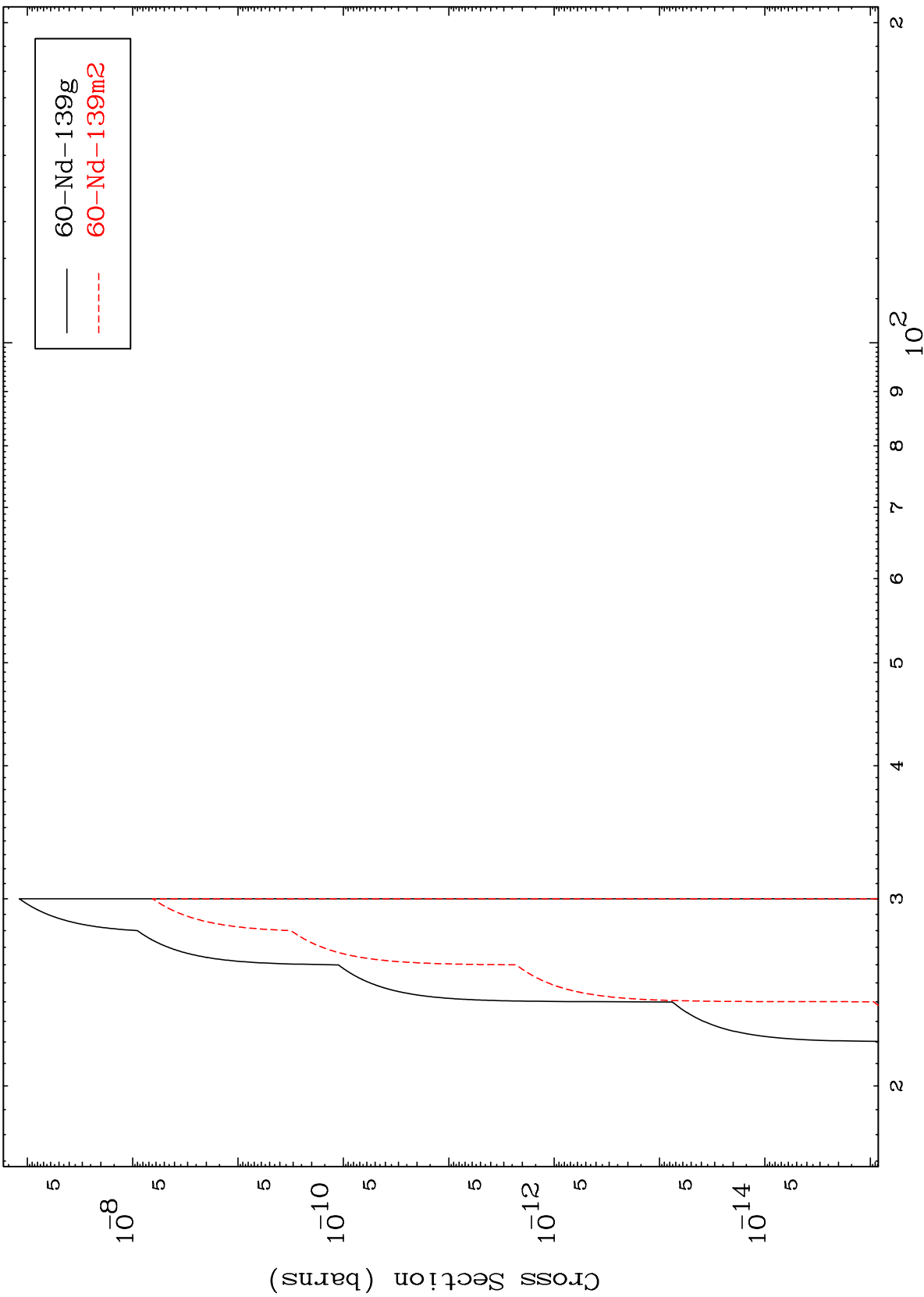
(n,He-3)

62-Sm-142

Radionuclide Production Cross Section



Radionuclide Production Cross Section



60-Nd-139g
60-Nd-139m2