

Program EVALPLOT  
(Version 2018-1)

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](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

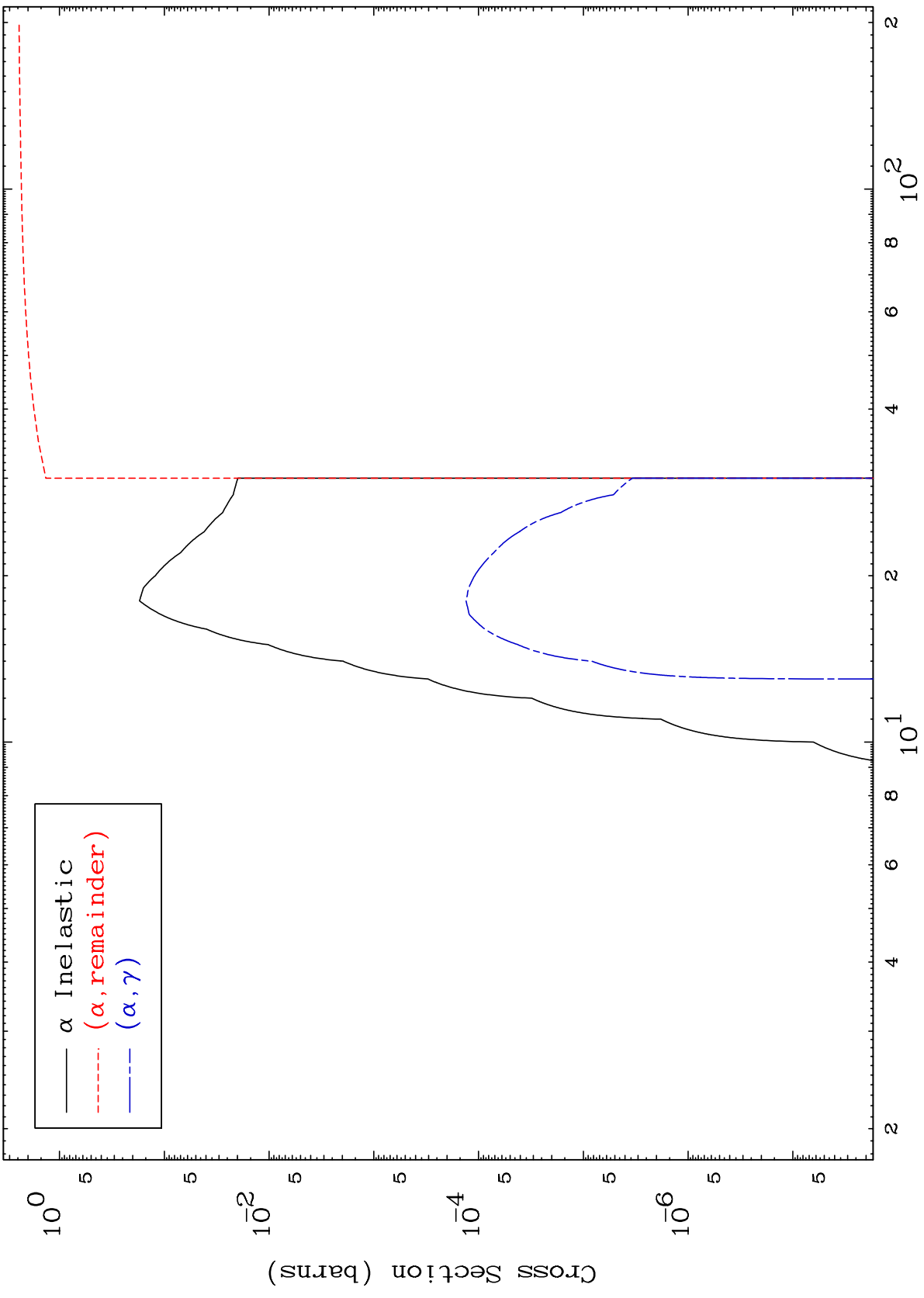
Press Mouse Button to Start

MAT 6240

$\alpha$  Major

62-Sm-149

0 Kelvin Cross Sections



1

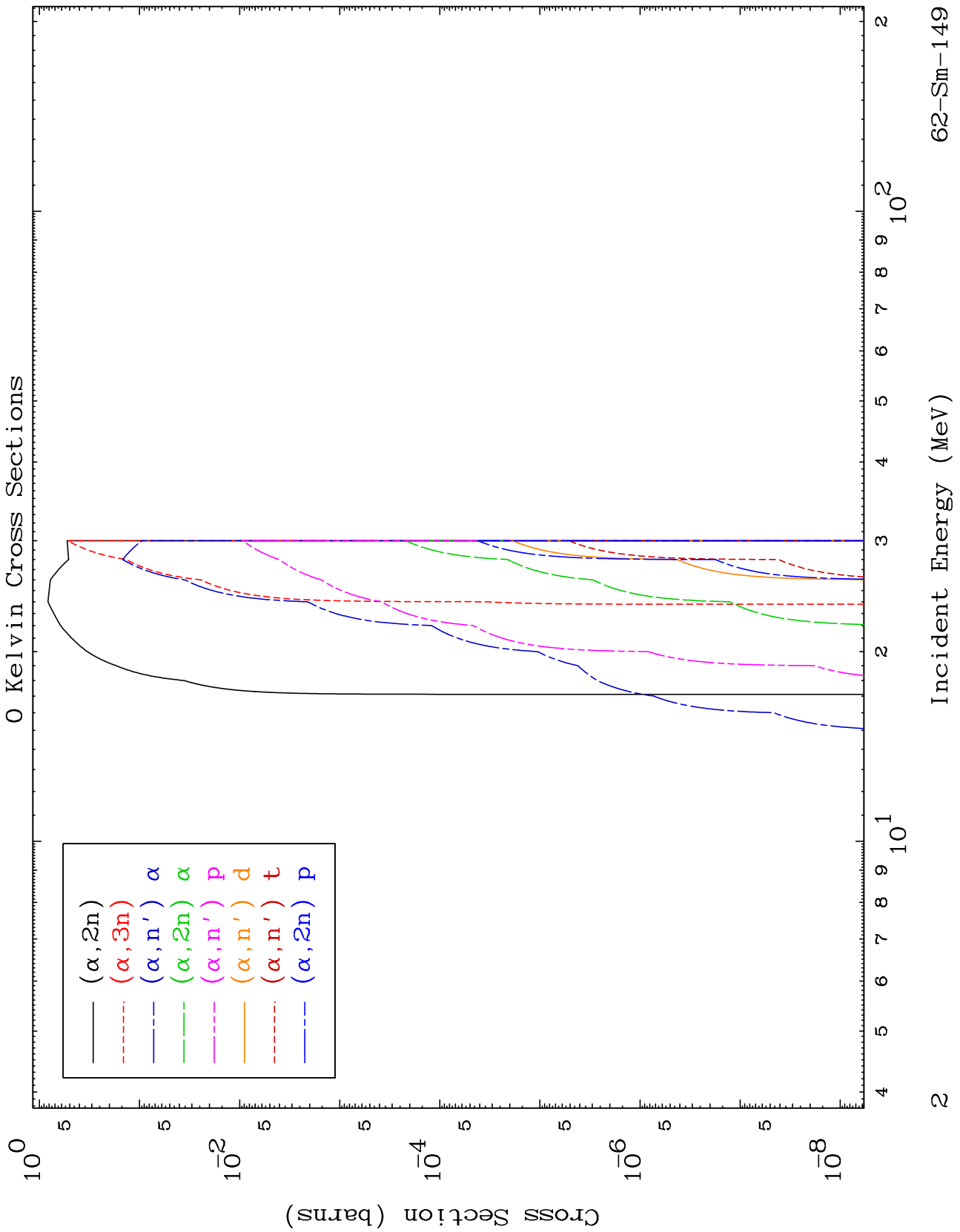
Incident Energy (MeV)

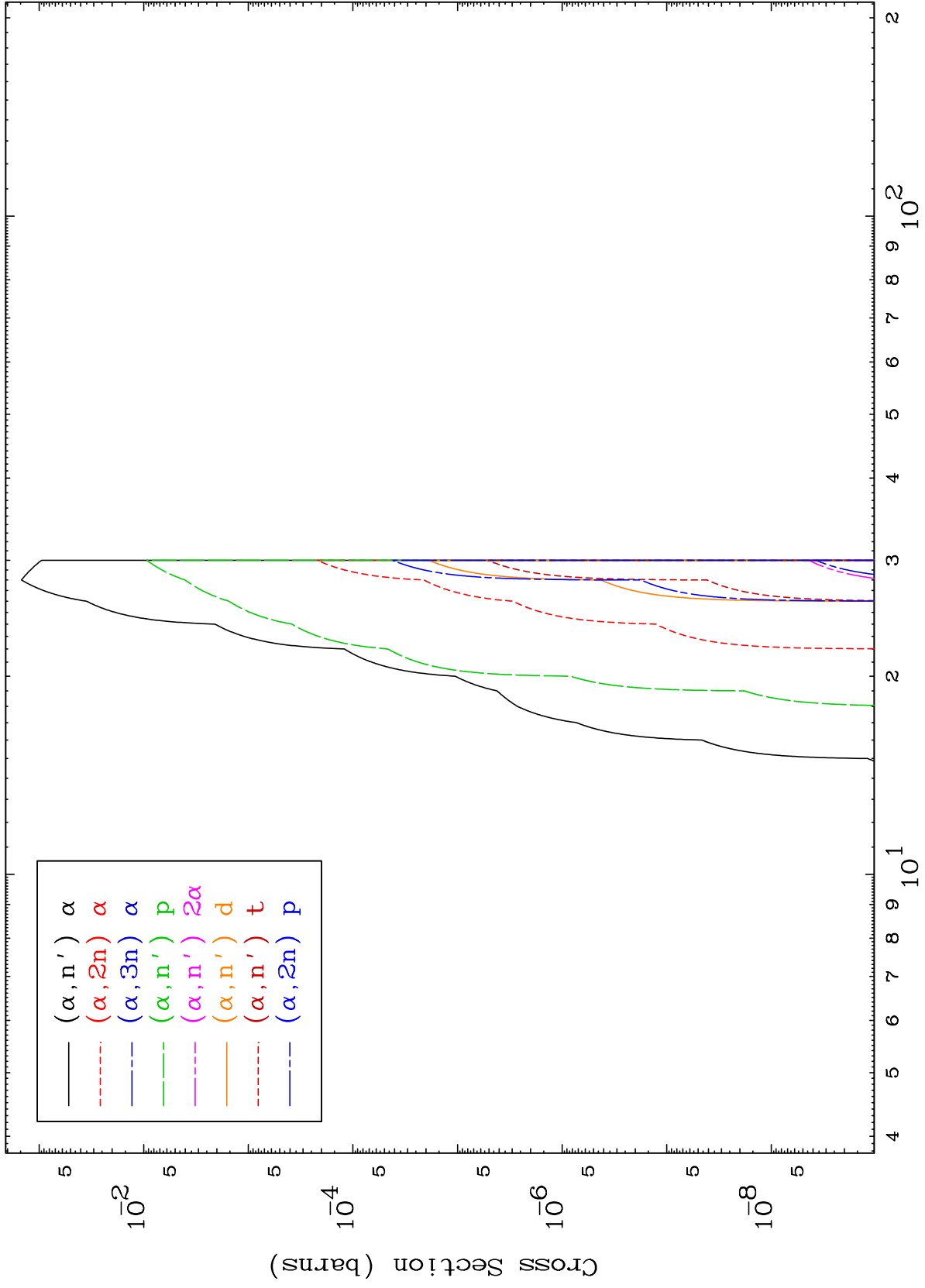
62-Sm-149

MAT 6240

$\alpha$  Neutron Production

62-Sm-149

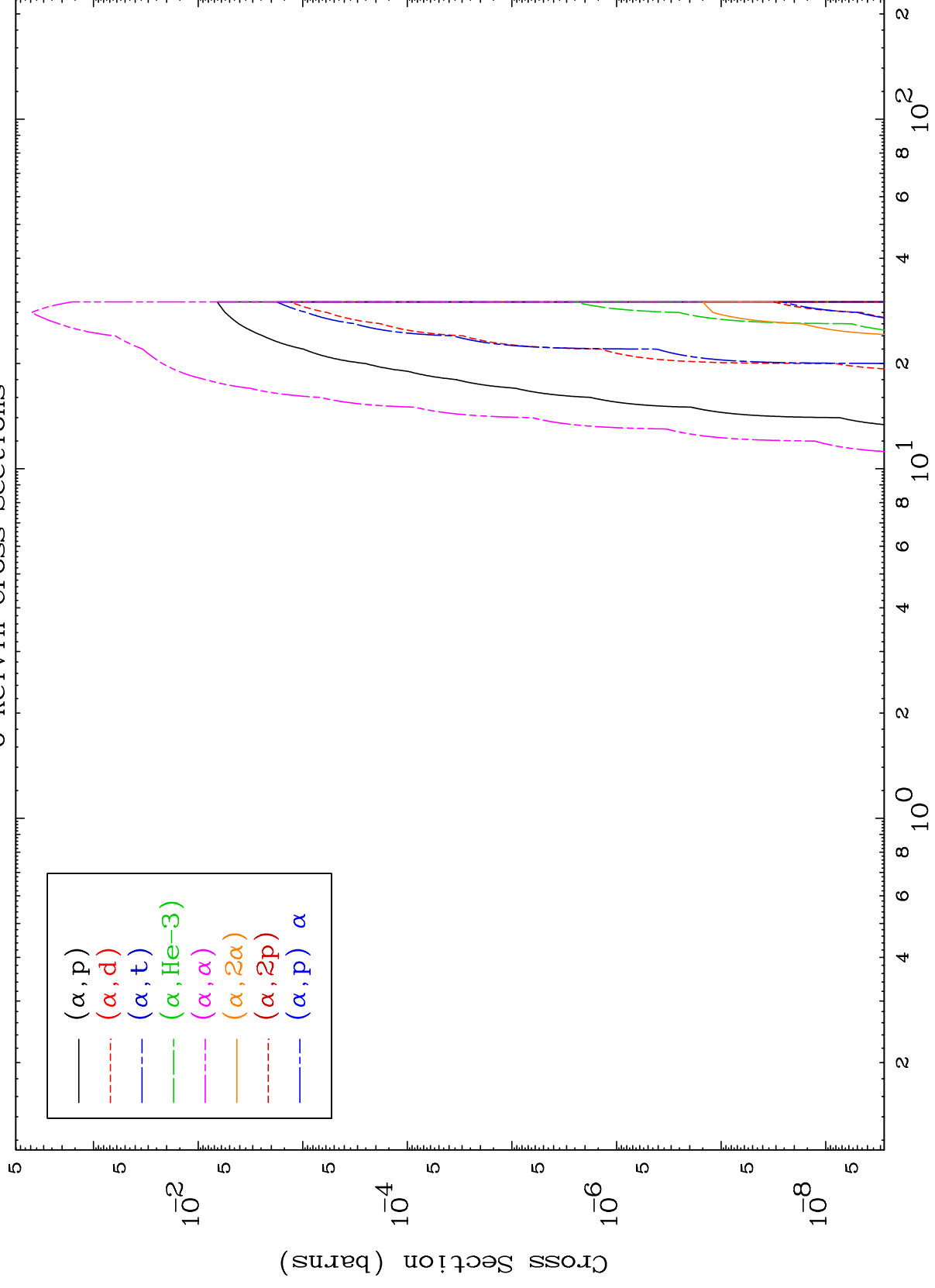




MAT 6240

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

62-Sm-149



Incident Energy (MeV)

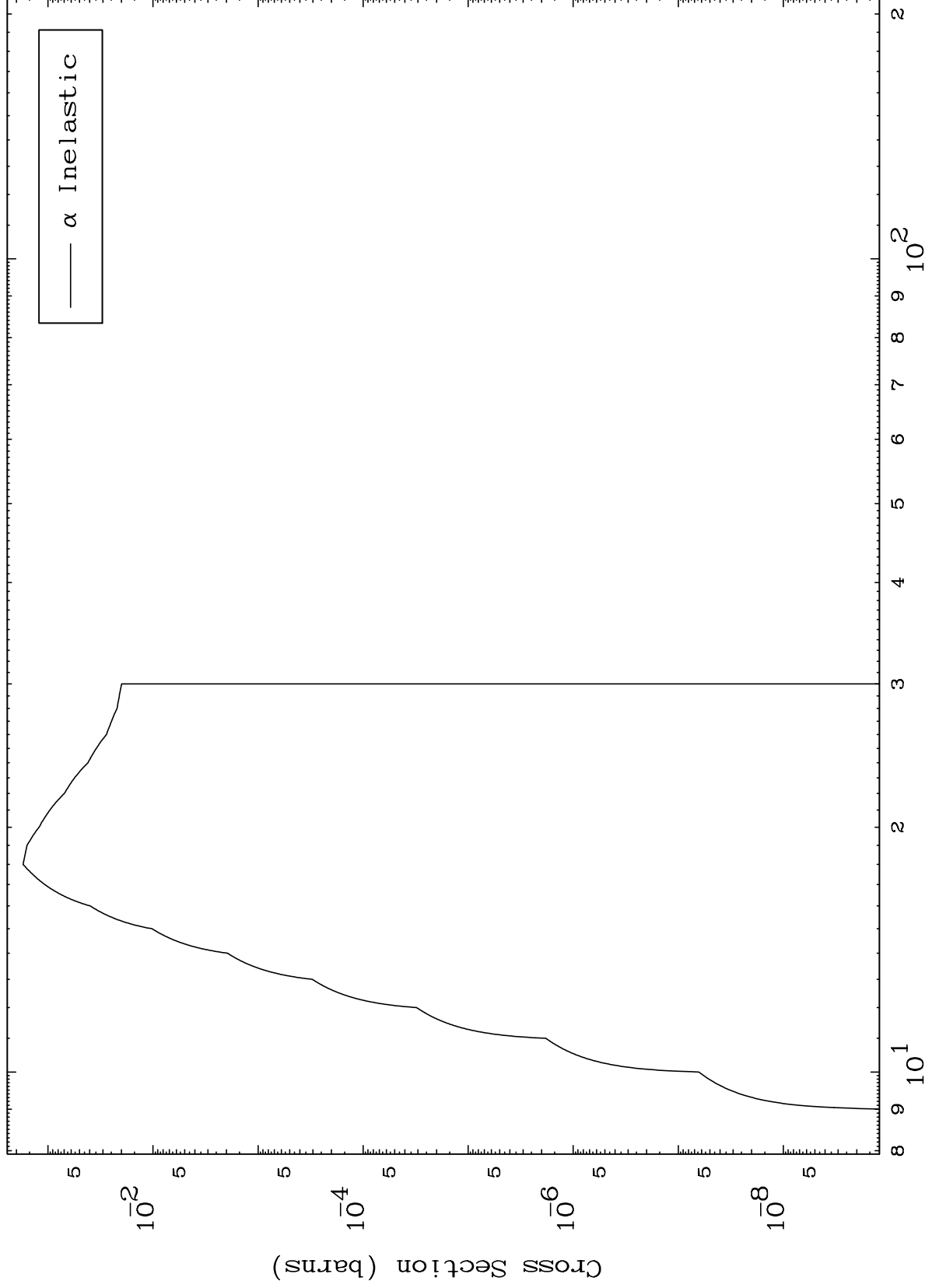
62-Sm-149

MAT 6240

( $\alpha, n'$ ) Level

62-Sm-149

0 Kelvin Cross Sections



Incident Energy (MeV)

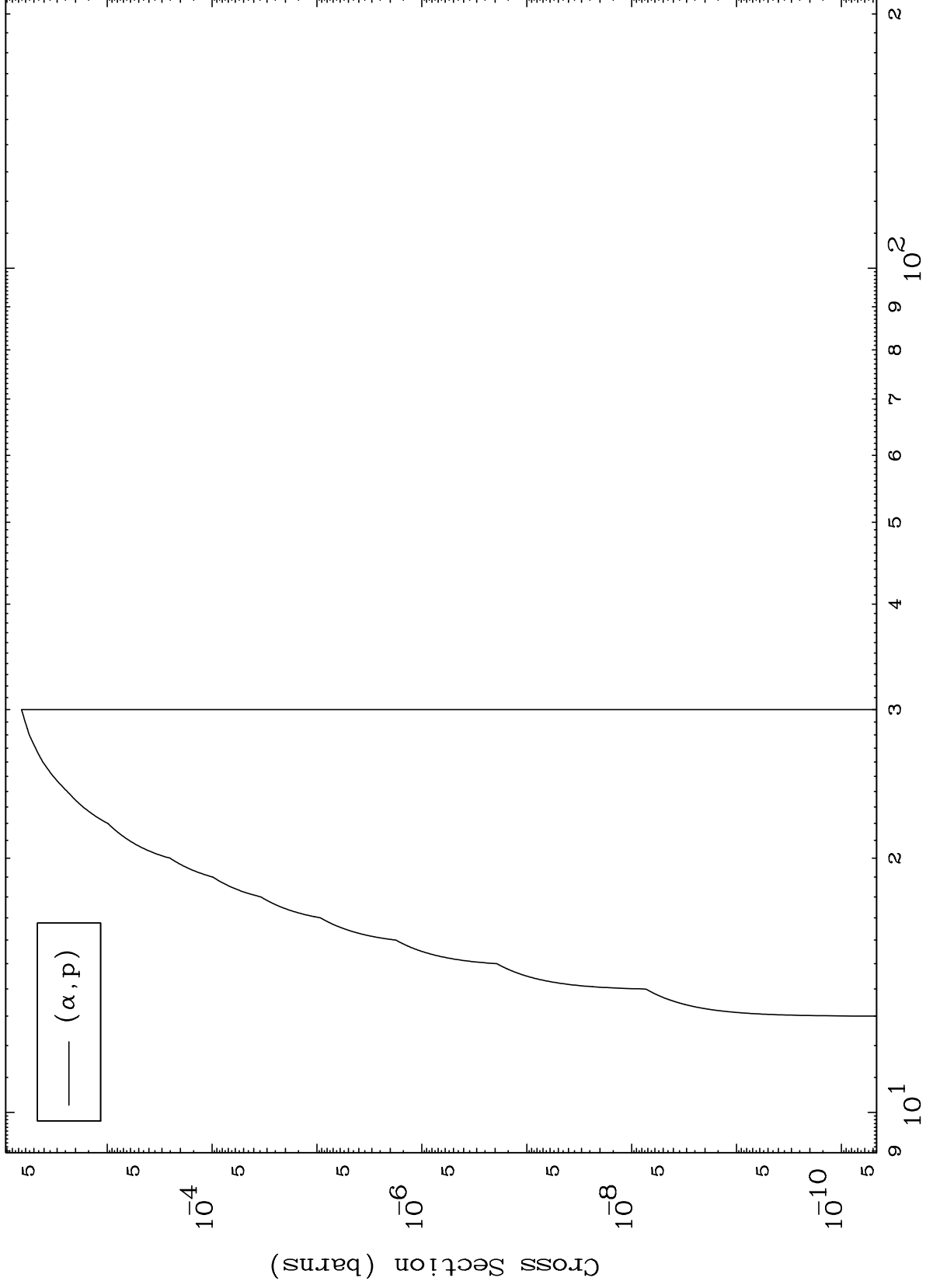
62-Sm-149

5

MAT 6240

( $\alpha, p$ ) Levels  
0 Kelvin Cross Sections

62-Sm-149



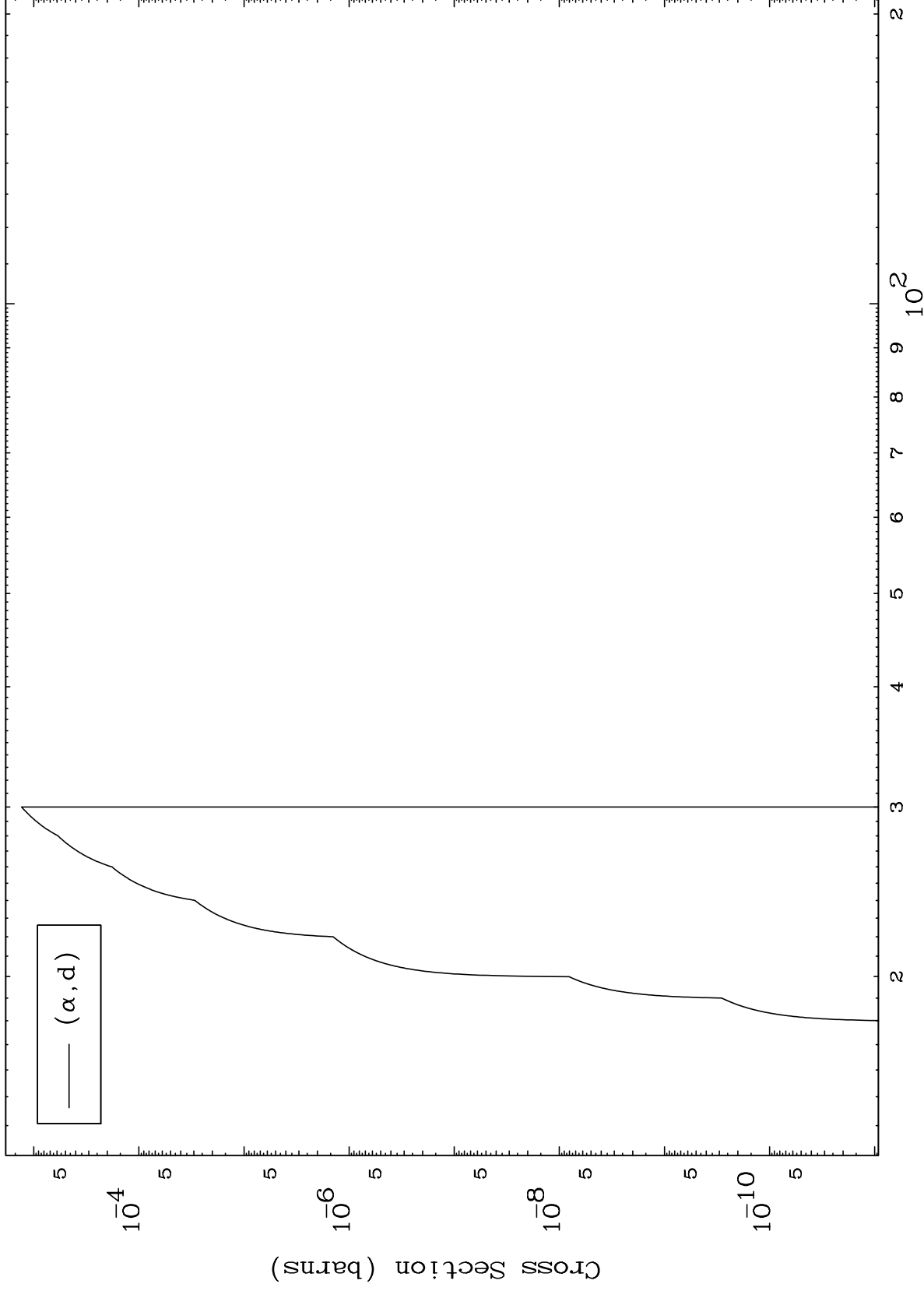
Incident Energy (MeV)

62-Sm-149

MAT 6240

( $\alpha, d$ ) Levels  
0 Kelvin Cross Sections

62-Sm-149

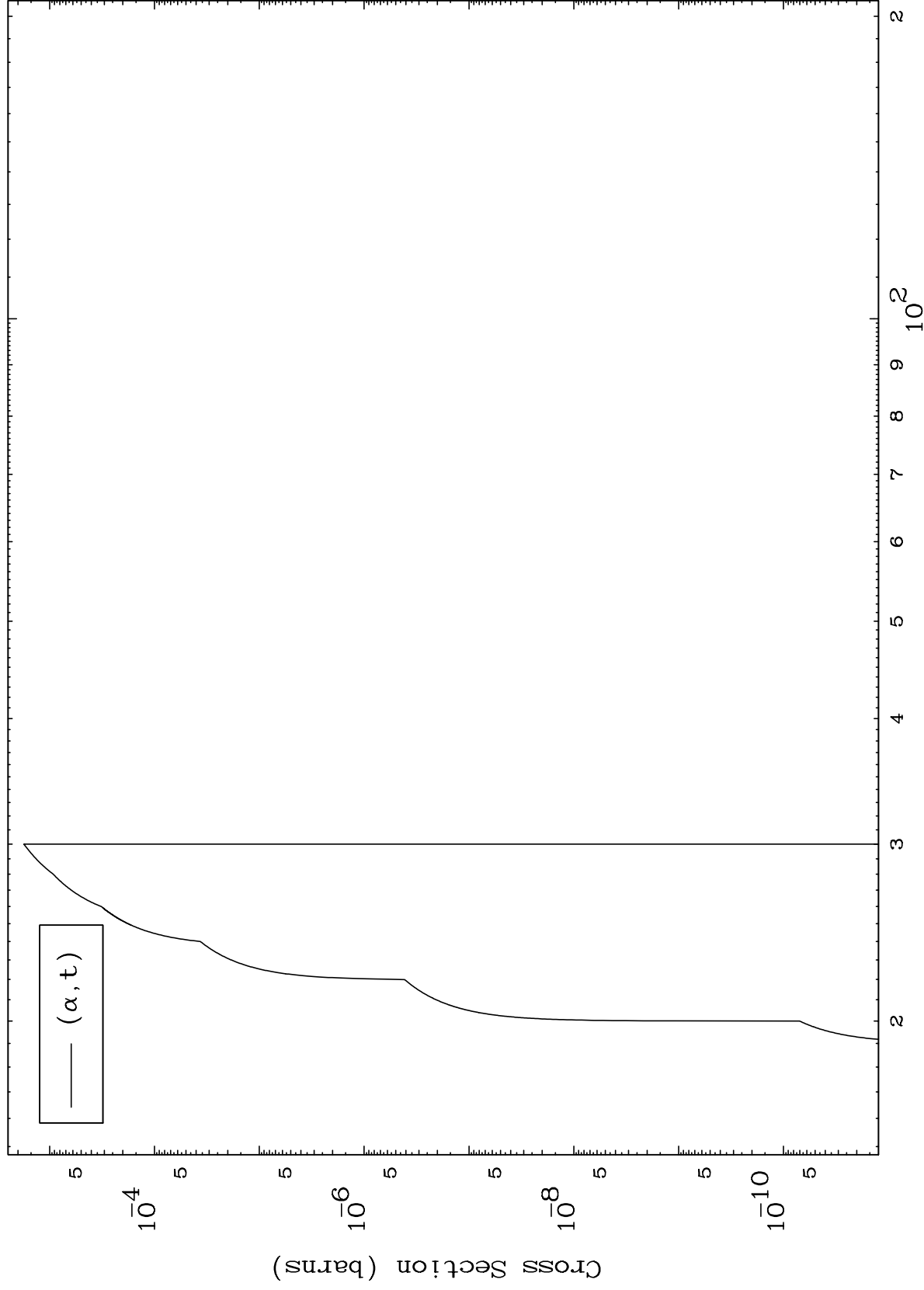




MAT 6240

( $\alpha, t$ ) Levels  
0 Kelvin Cross Sections

62-Sm-149



8

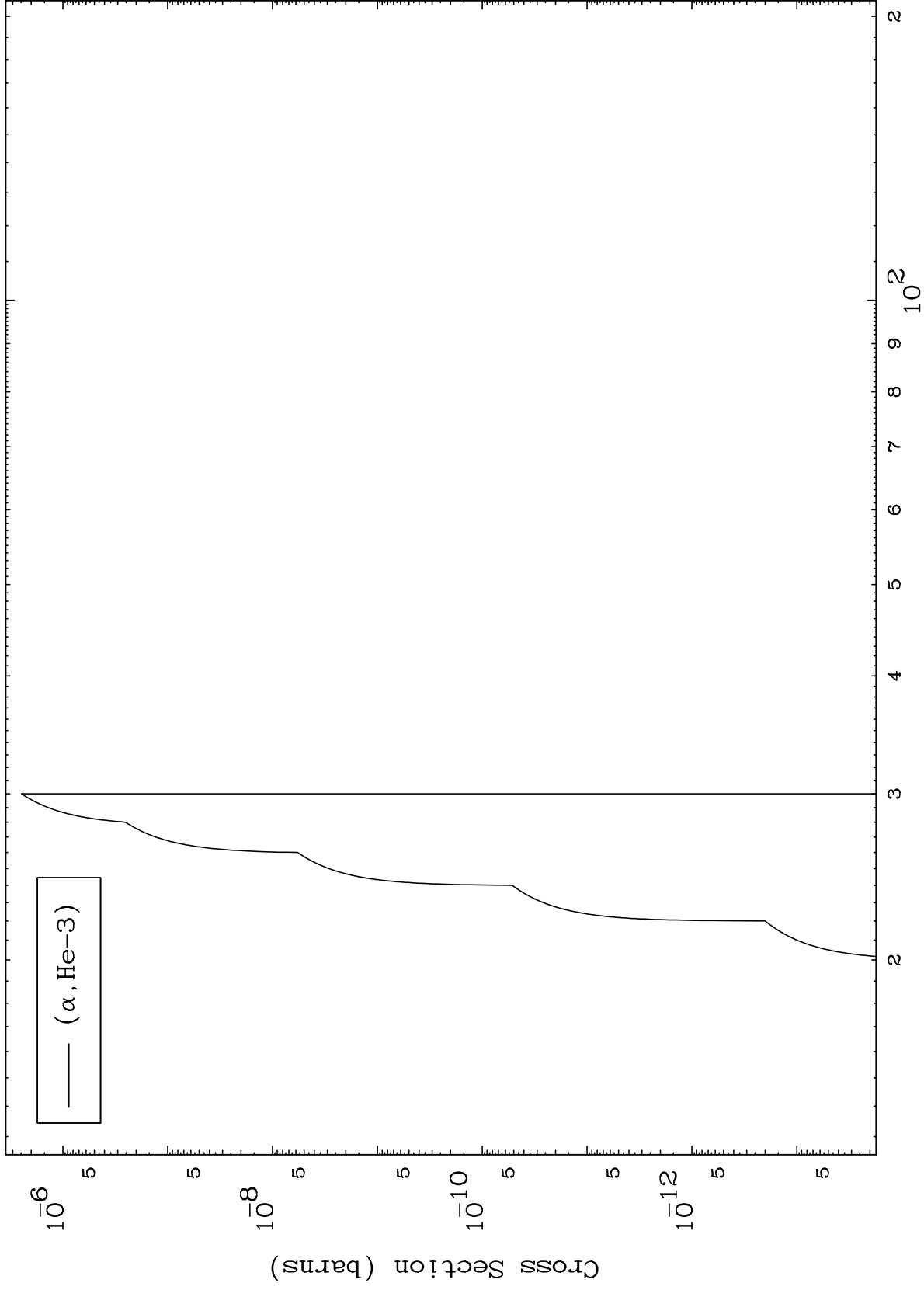
Incident Energy (MeV)

62-Sm-149

MAT 6240

( $\alpha$ ,He3) Levels  
0 Kelvin Cross Sections

62-Sm-149

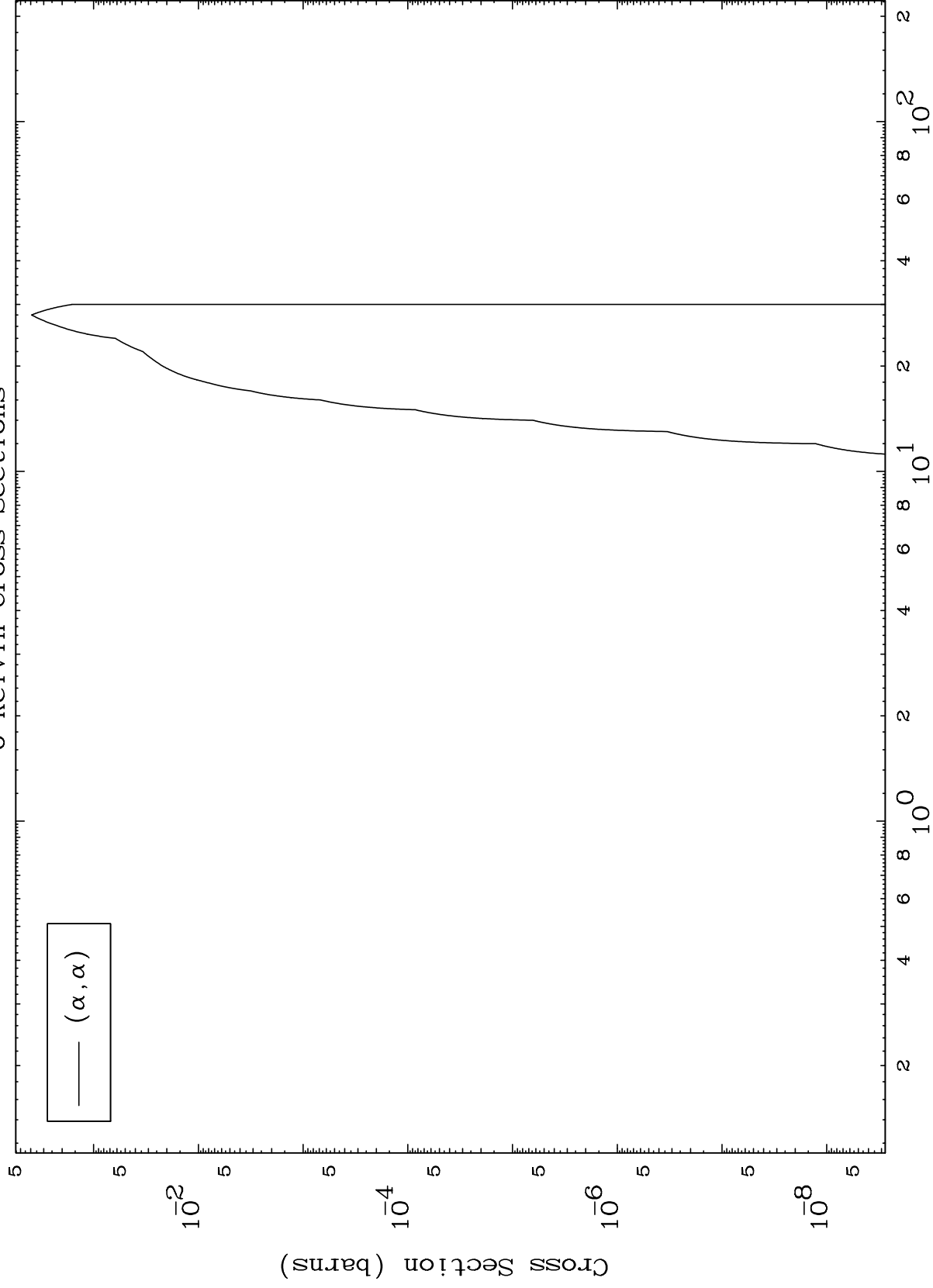


MAT 6240

( $\alpha, \alpha$ ) Levels

62-Sm-149

0 Kelvin Cross Sections



10

Incident Energy (MeV)

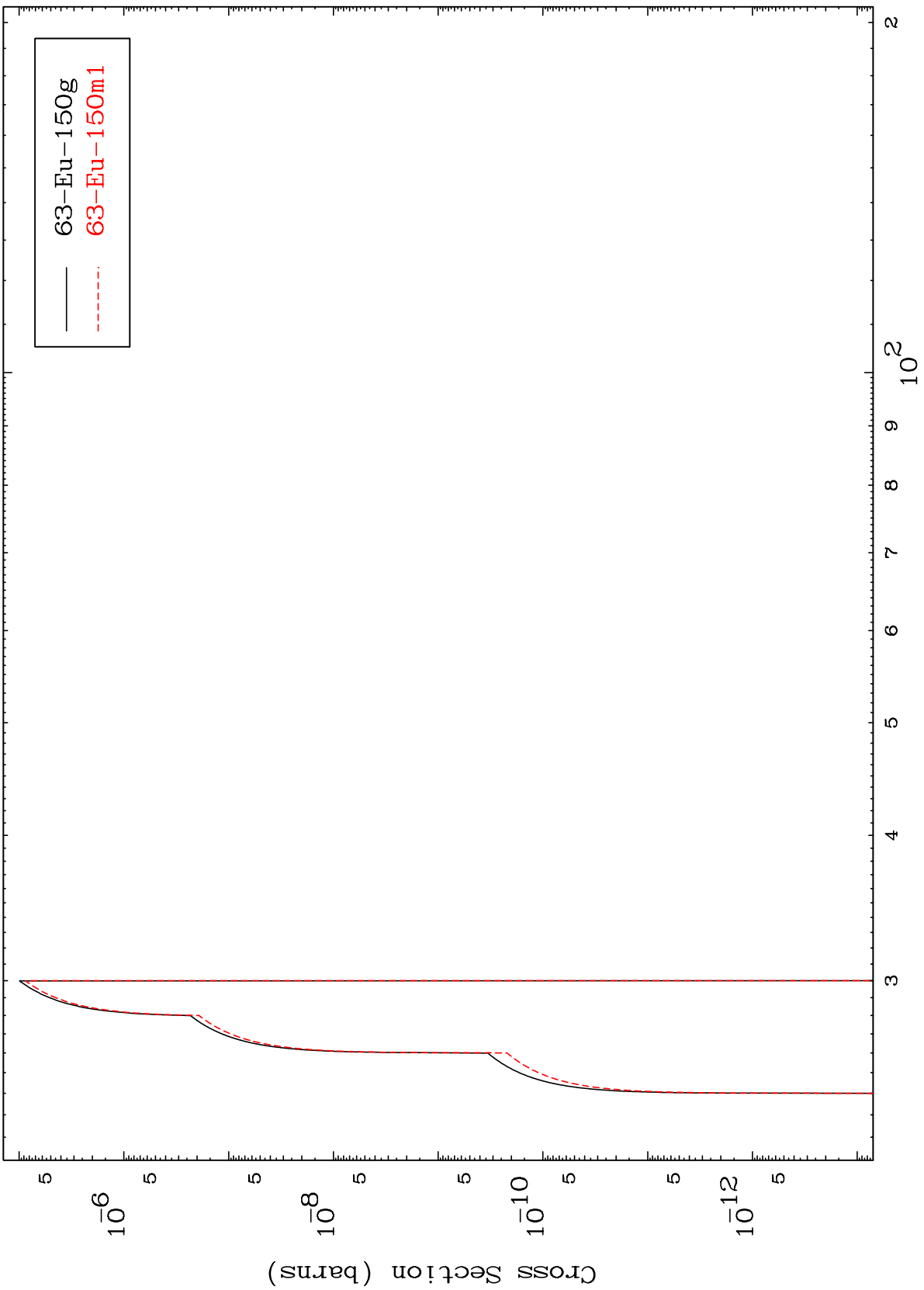
62-Sm-149

MAT 6240

$(\alpha, n')$  d

62-Sm-149

Radionuclide Production Cross Section



11

Incident Energy (MeV)

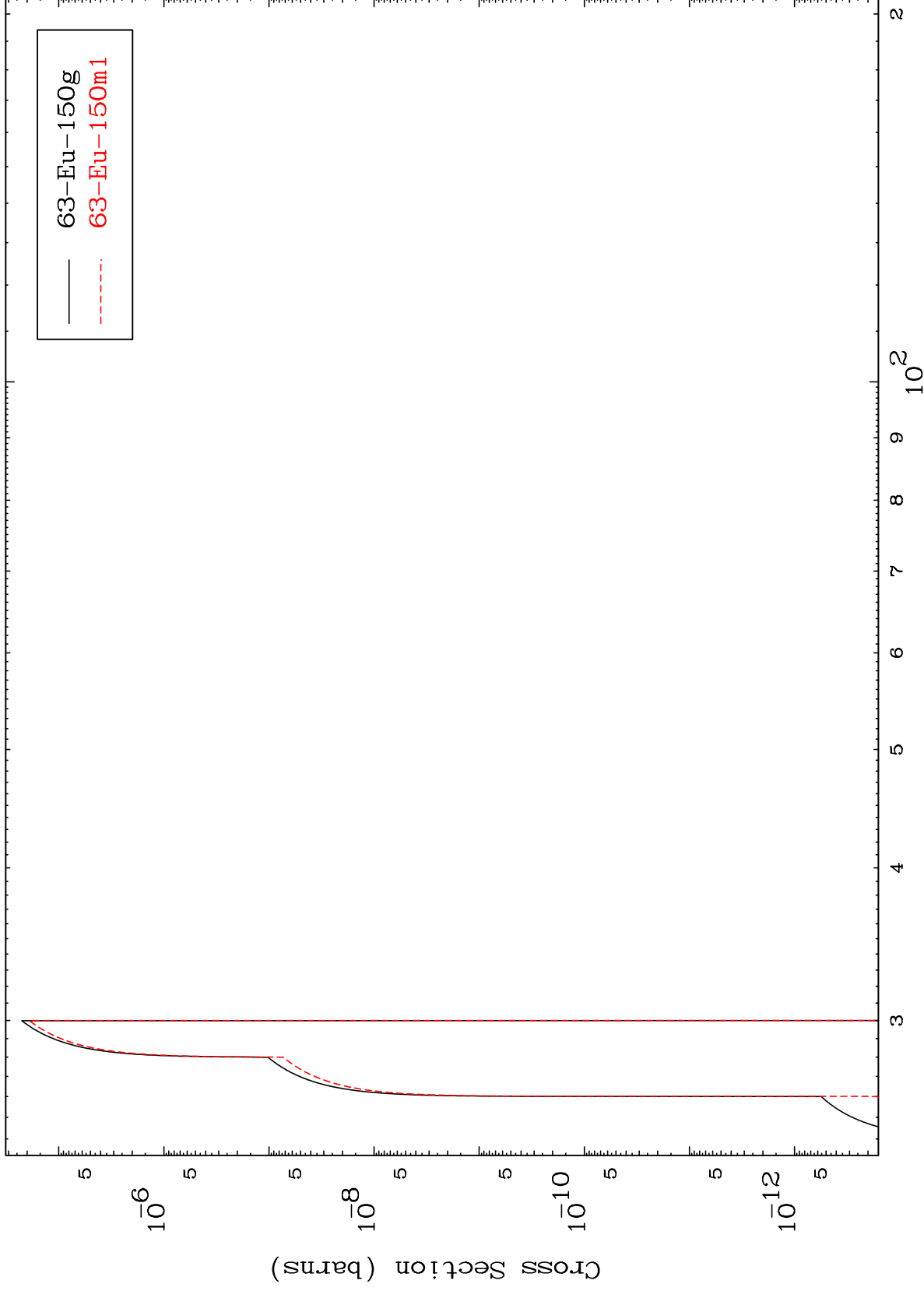
62-Sm-149

MAT 6240

$(\alpha, 2n)$  p

62-Sm-149

Radionuclide Production Cross Section



12

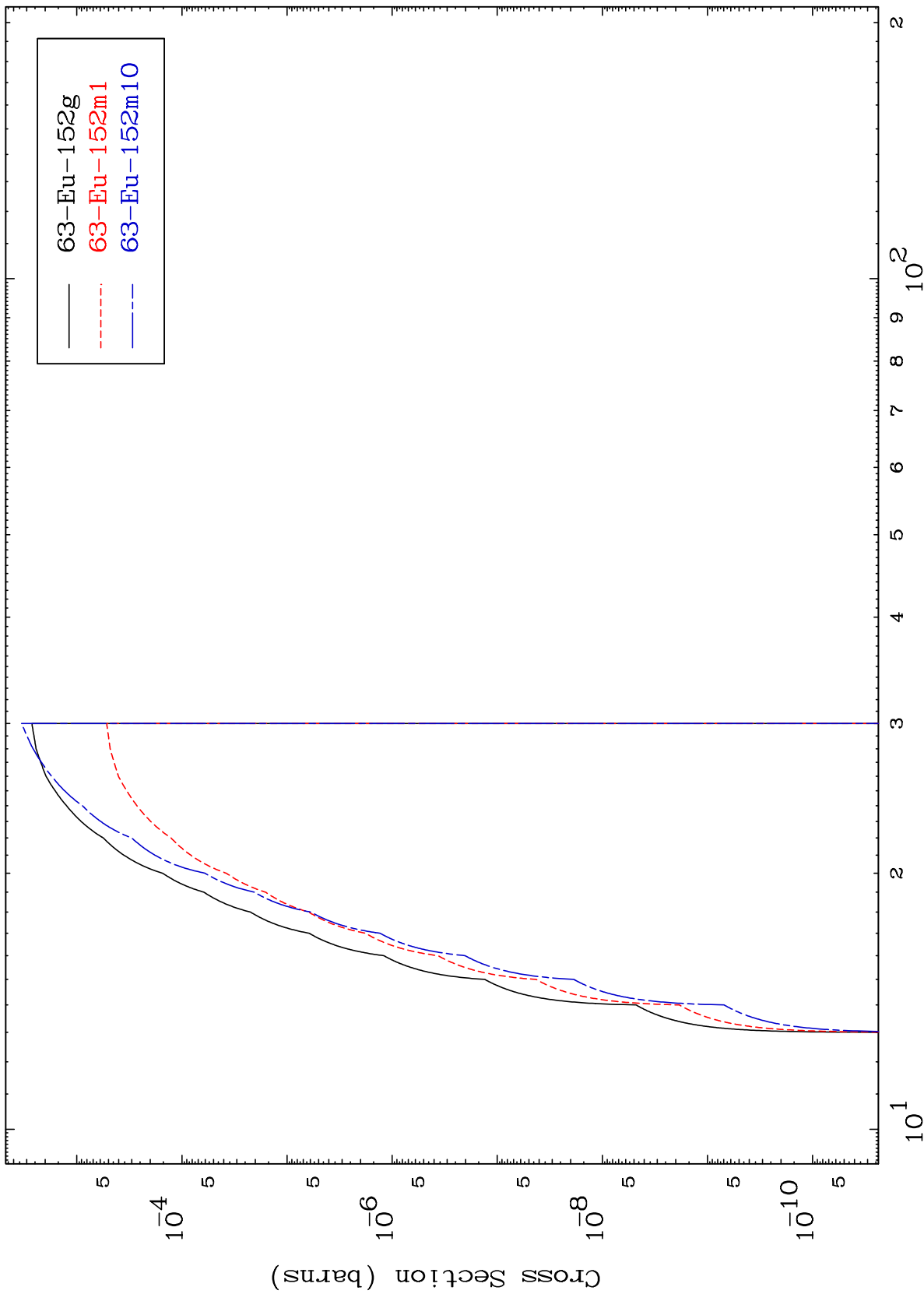
Incident Energy (MeV)

62-Sm-149

MAT 6240

62-Sm-149

( $\alpha, p$ )  
Radionuclide Production Cross Section



62-Sm-149

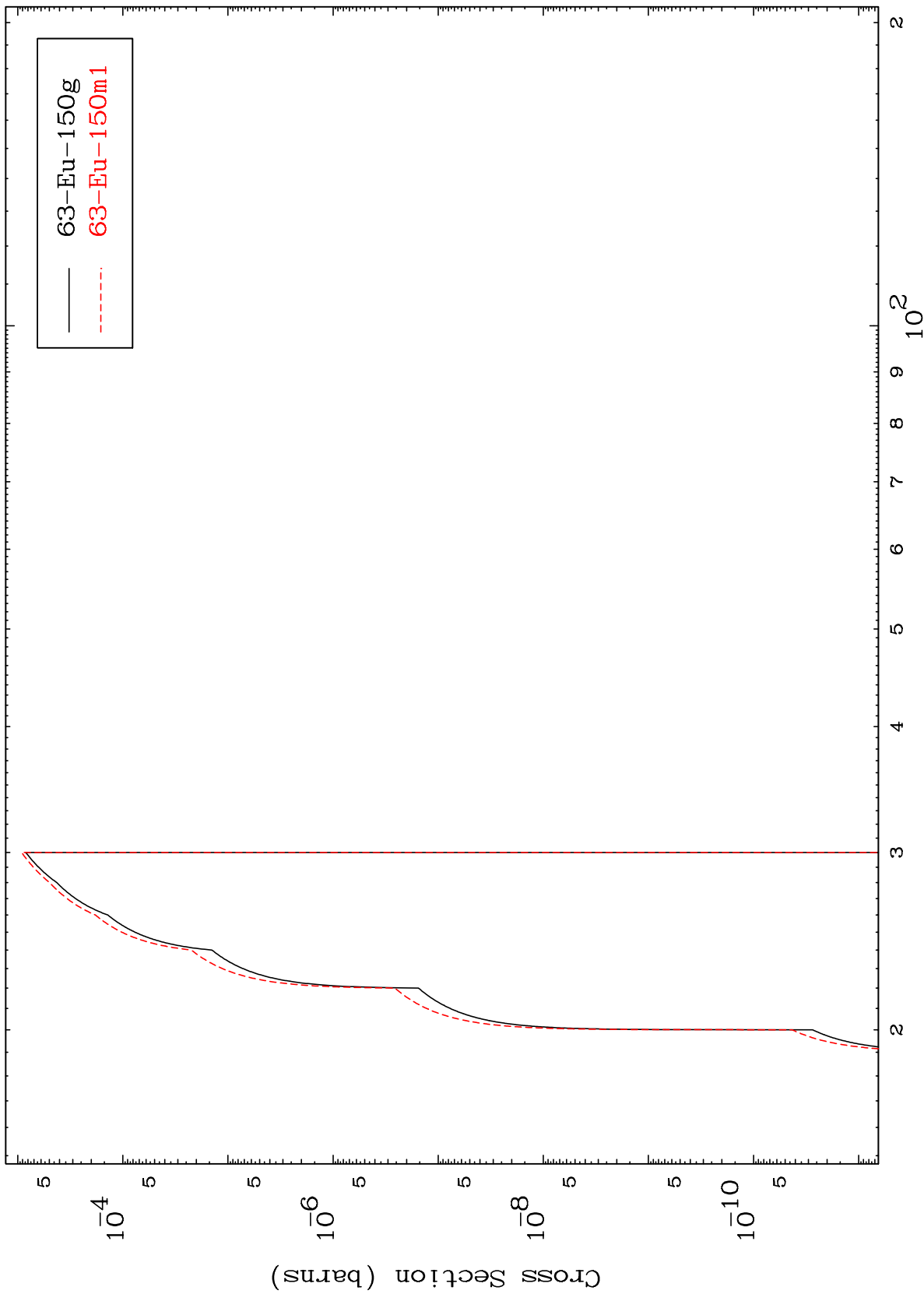
Incident Energy (MeV)

13

MAT 6240

62-Sm-149

( $\alpha, t$ )  
Radionuclide Production Cross Section



14

62-Sm-149

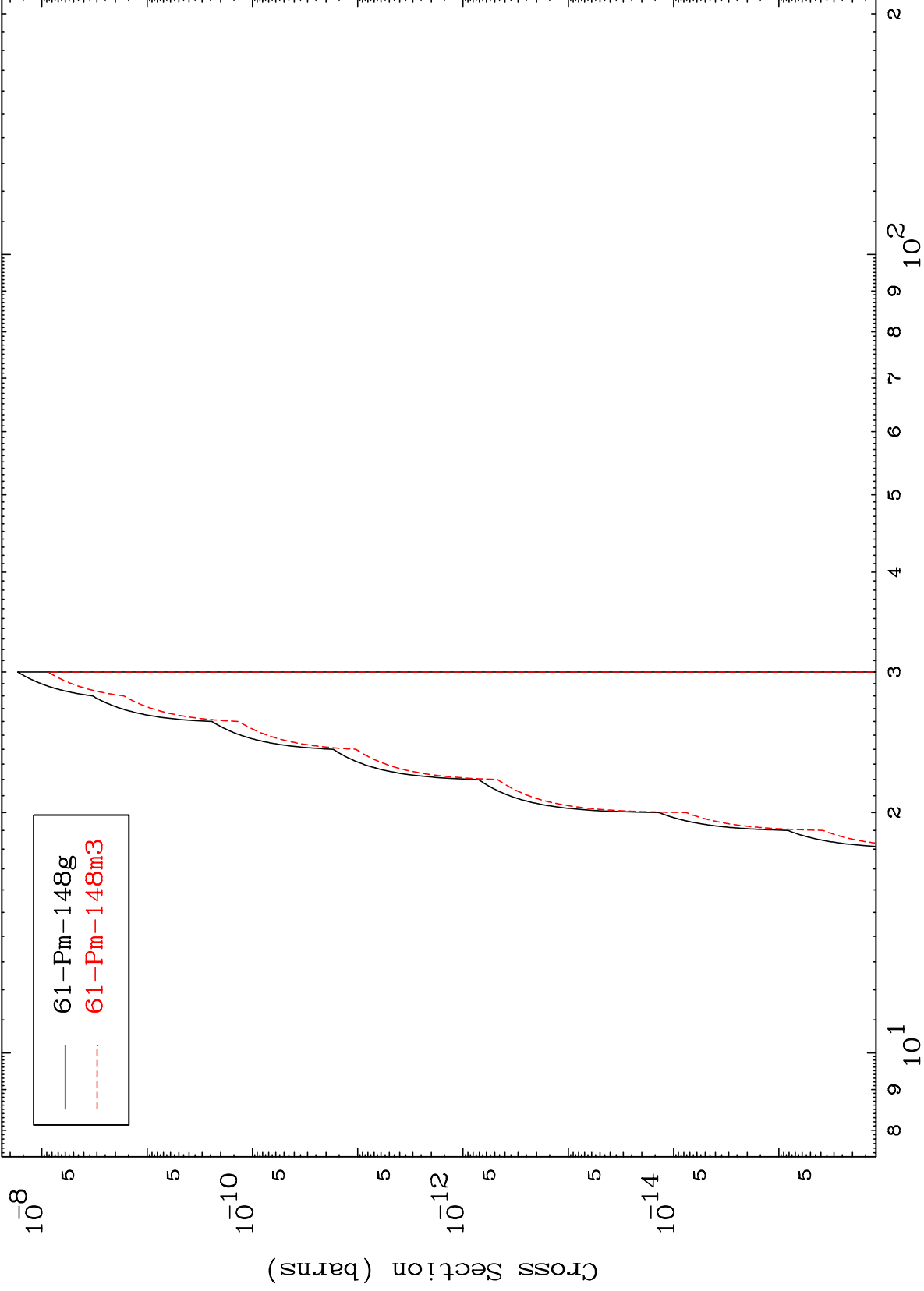
Incident Energy (MeV)

MAT 6240

( $\alpha, p$ )  $\alpha$

62-Sm-149

Radionuclide Production Cross Section



15

Incident Energy (MeV)

62-Sm-149