

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](mailto:redcullen1@comcast.net)

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

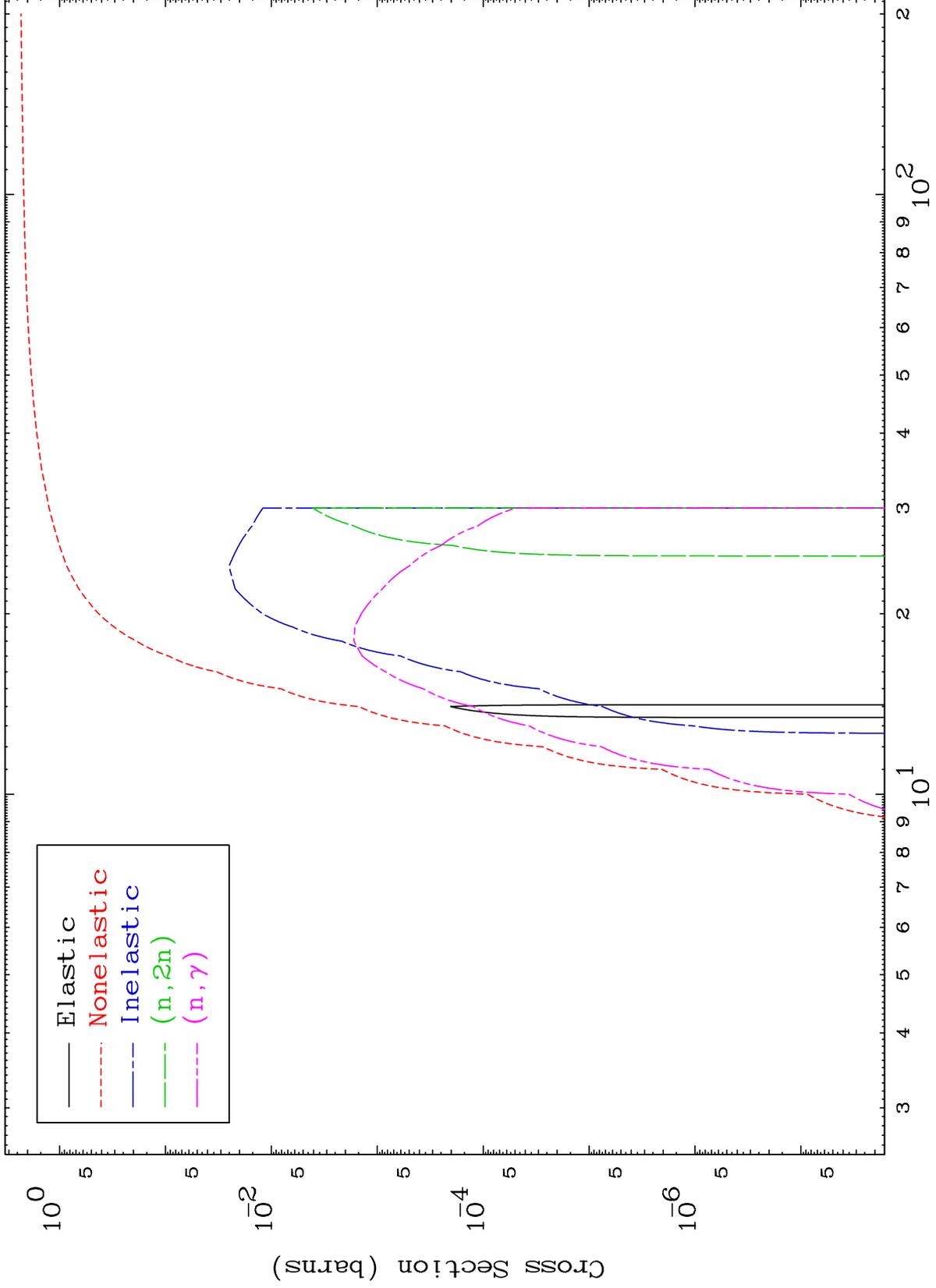
Press Mouse Button to Start

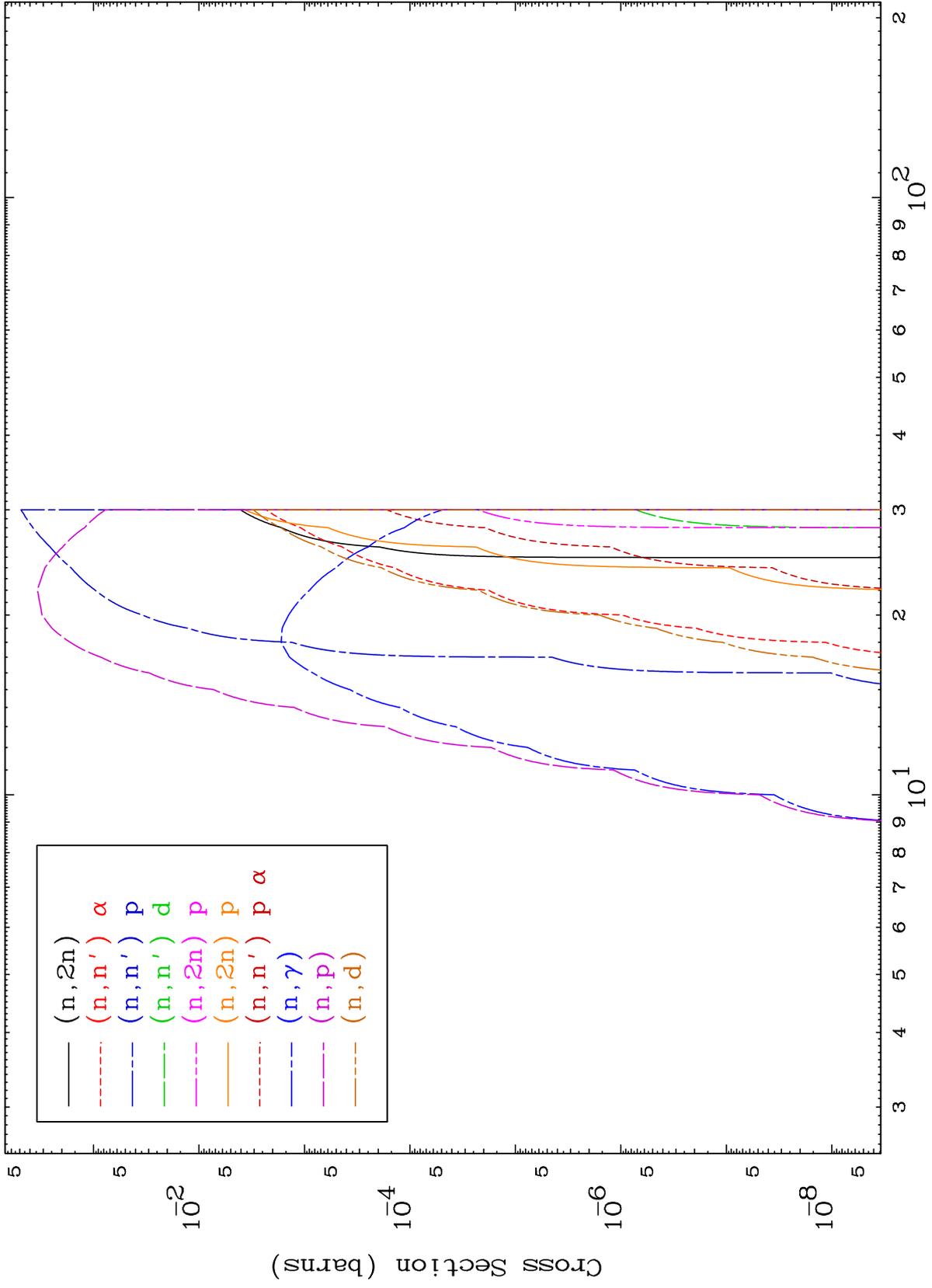
MAT 6110

0 Kelvin

$\alpha$  Major Cross Sections

61-Pm-134

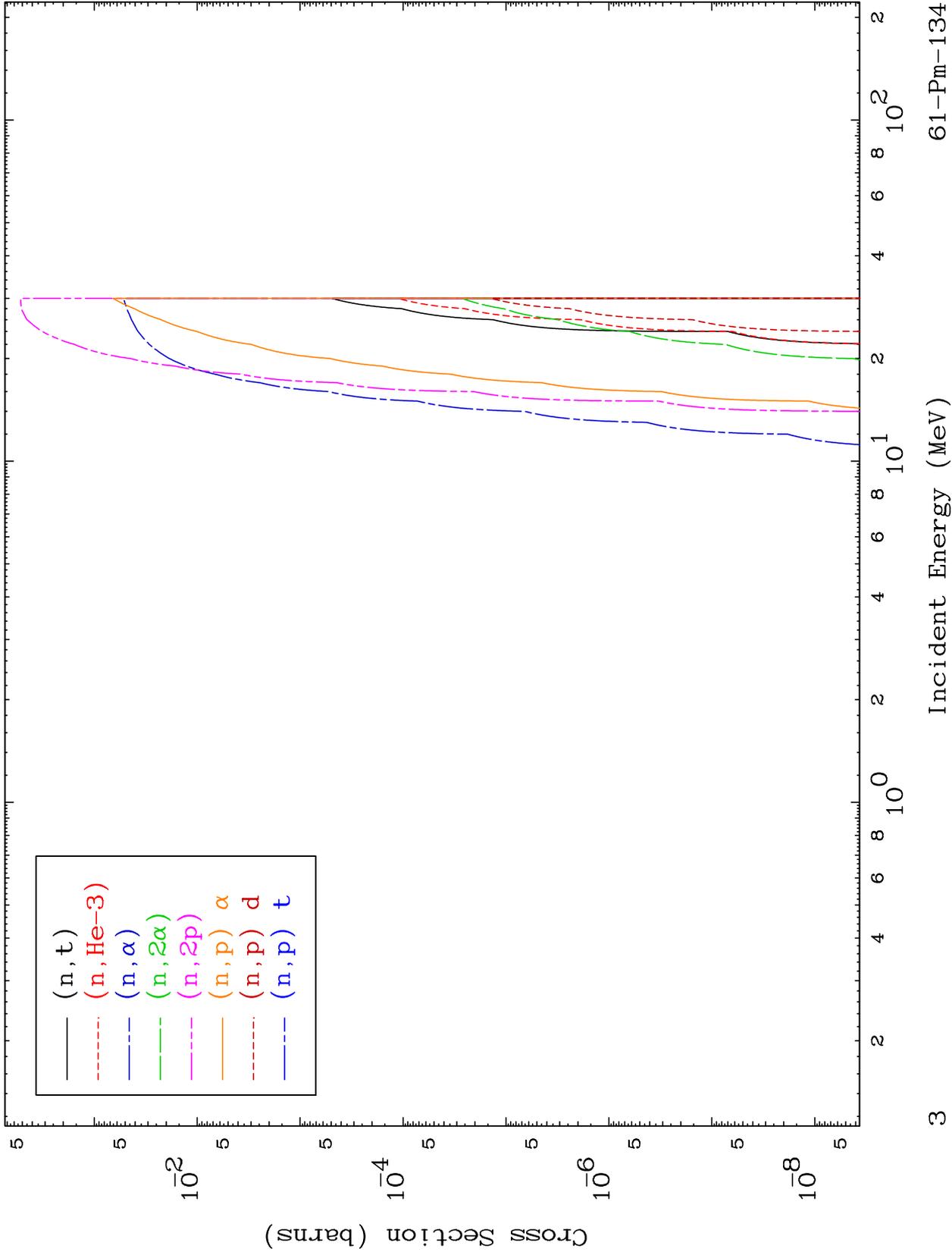




MAT 6110

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

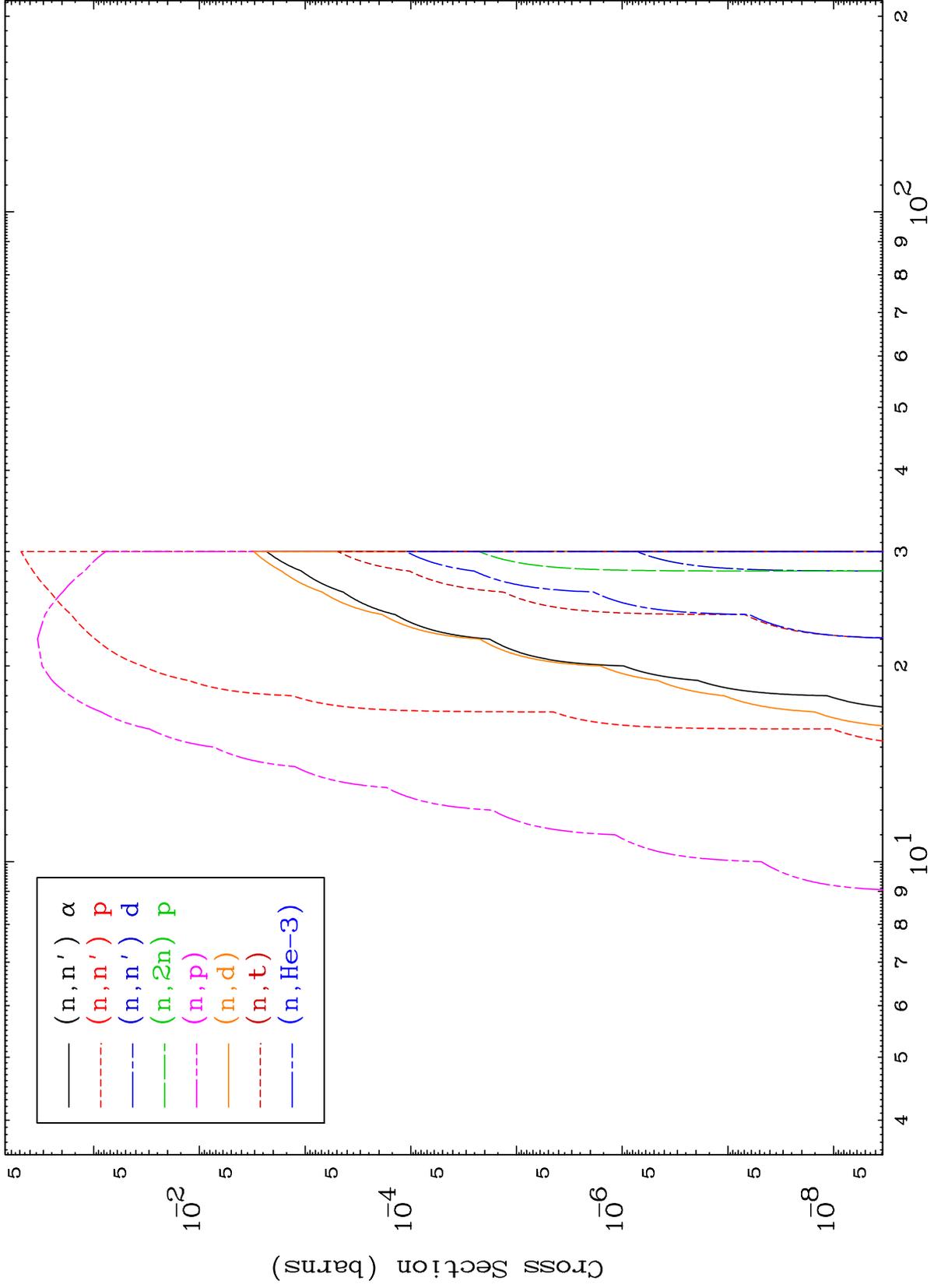
61-Pm-134



MAT 6110

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

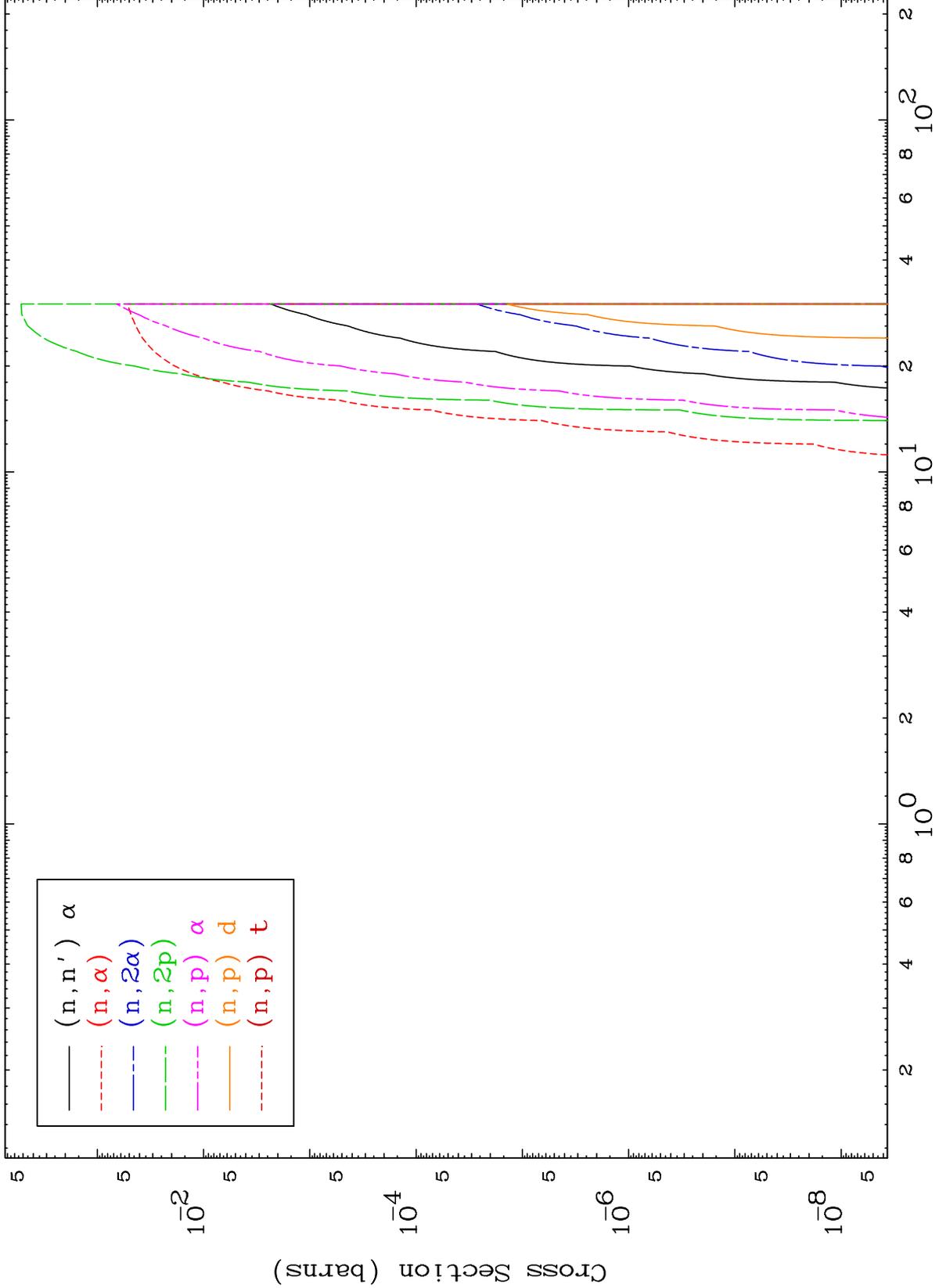
61-Pm-134



4

Incident Energy (MeV)

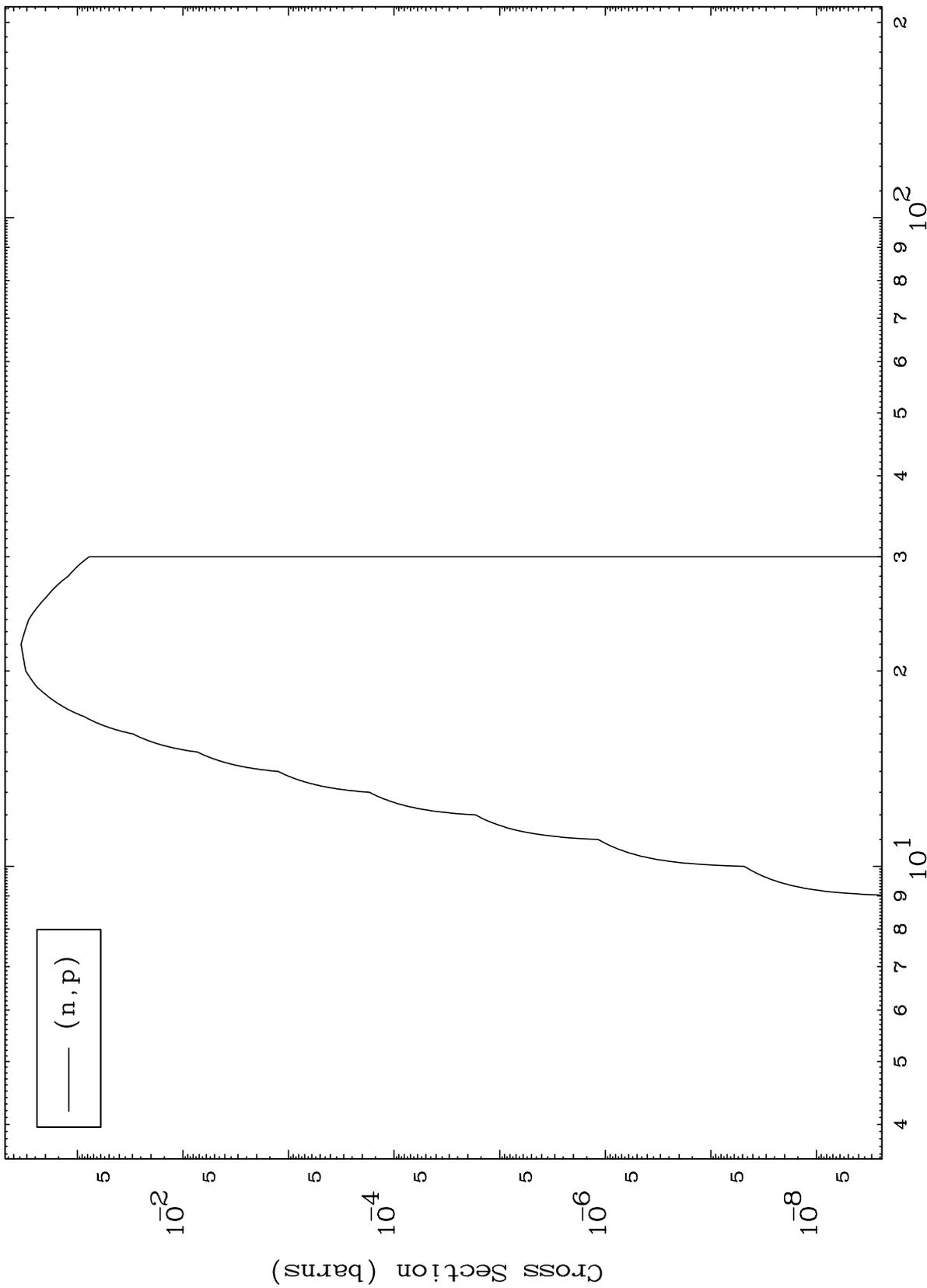
61-Pm-134



MAT 6110

61-Pm-134

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



61-Pm-134

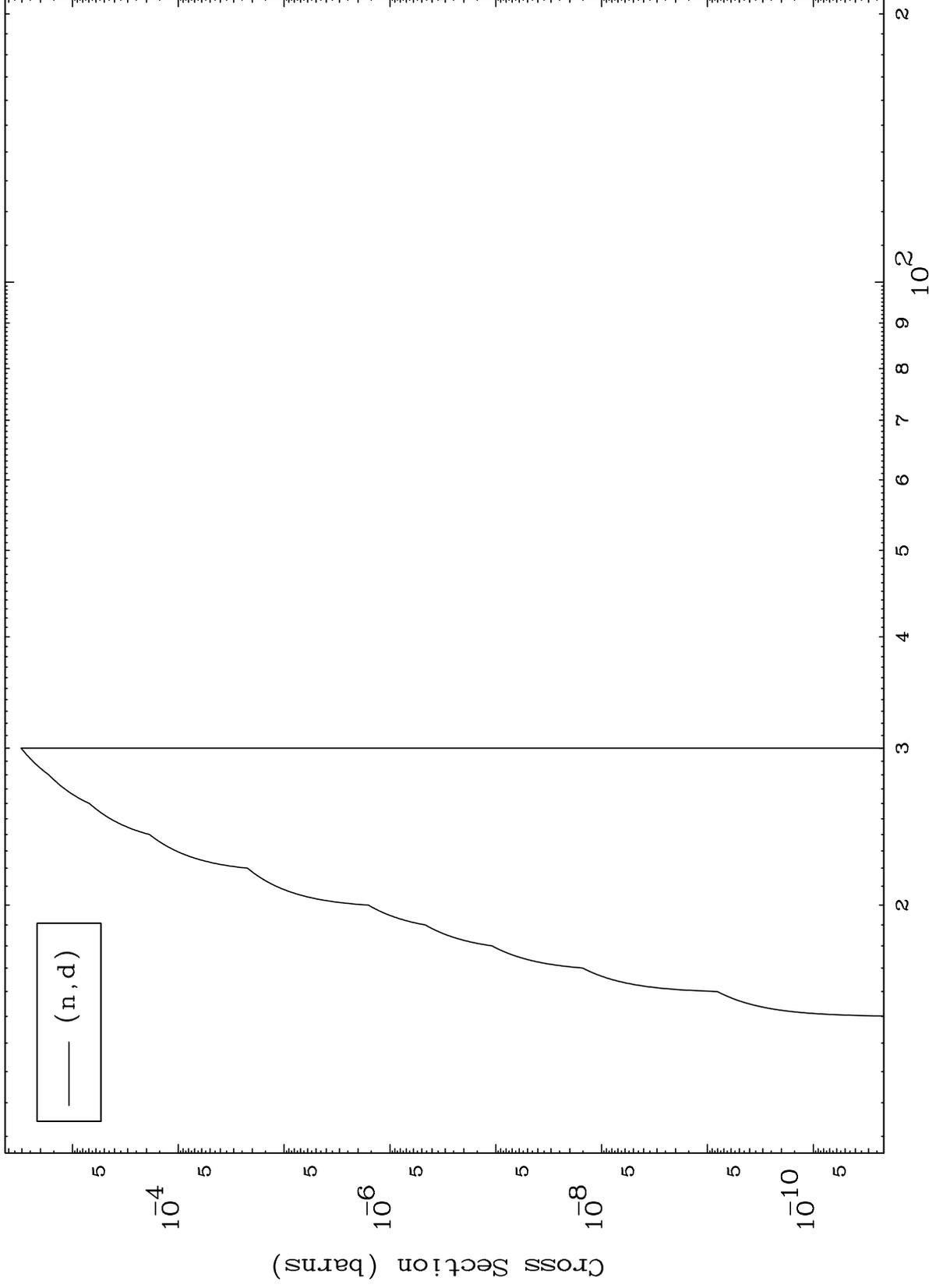
Incident Energy (MeV)

6

MAT 6110

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

61-Pm-134



7

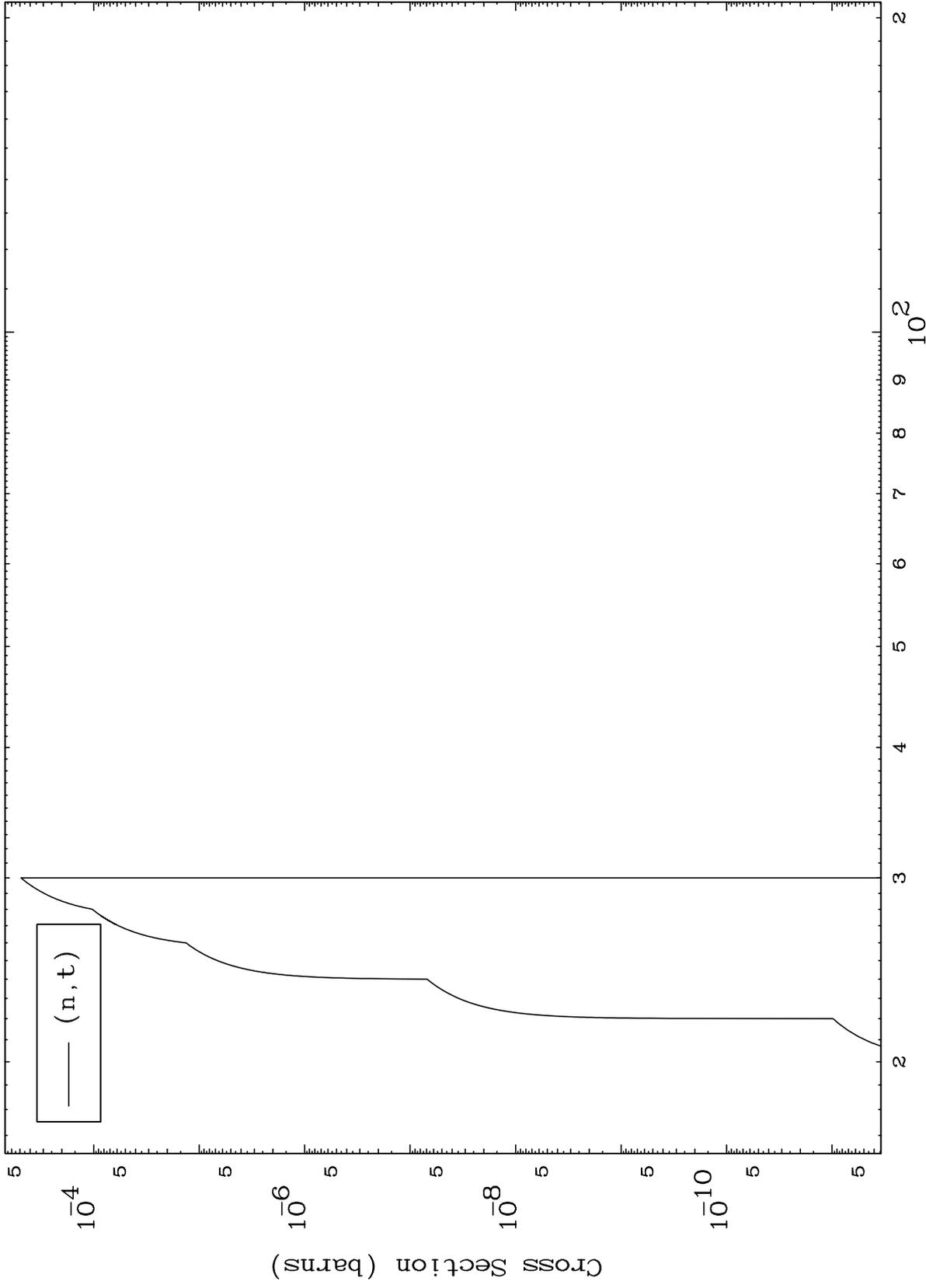
Incident Energy (MeV)

61-Pm-134

MAT 6110

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

61-Pm-134



8

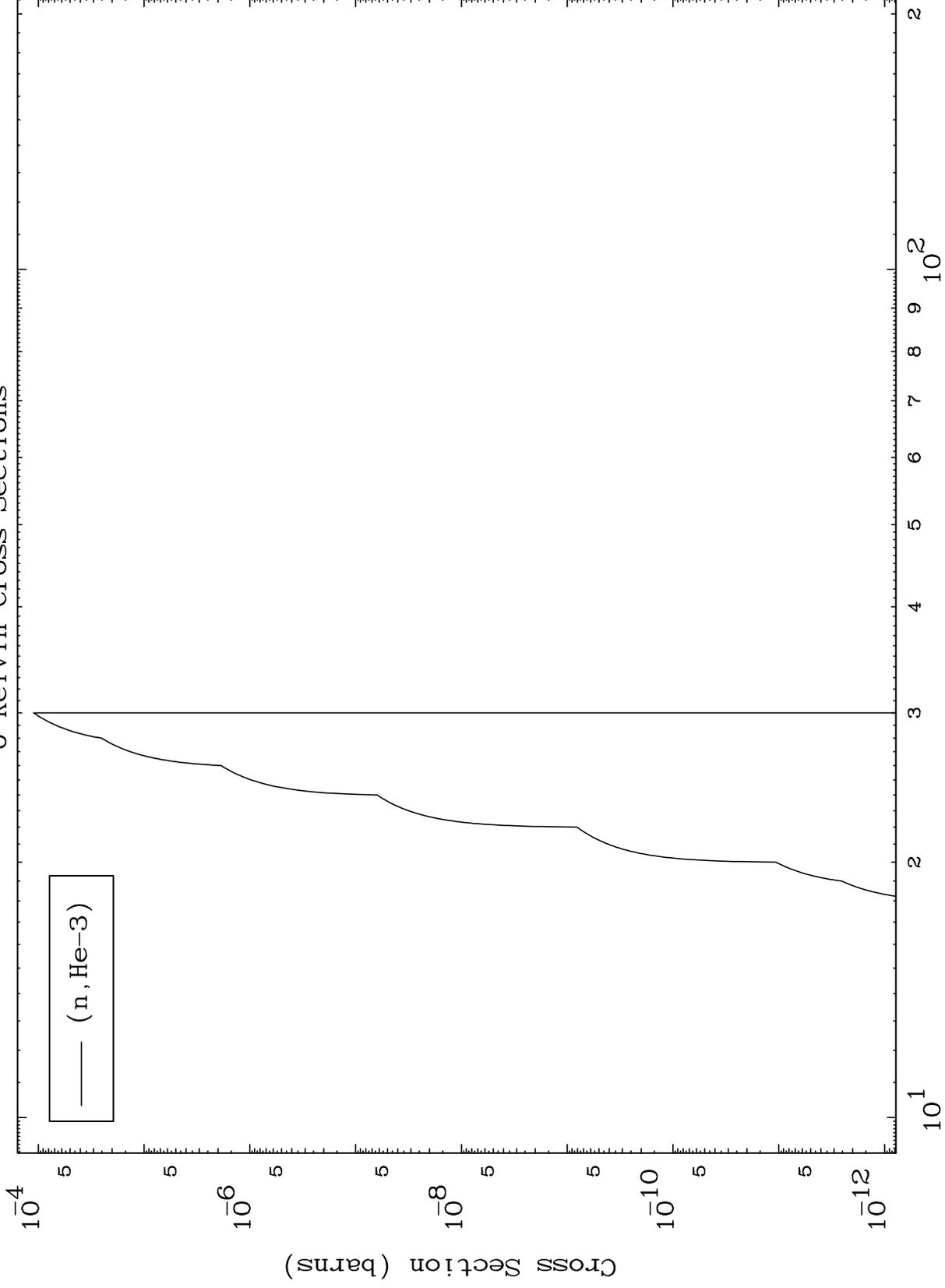
Incident Energy (MeV)

61-Pm-134

MAT 6110

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

61-Pm-134



Incident Energy (MeV)

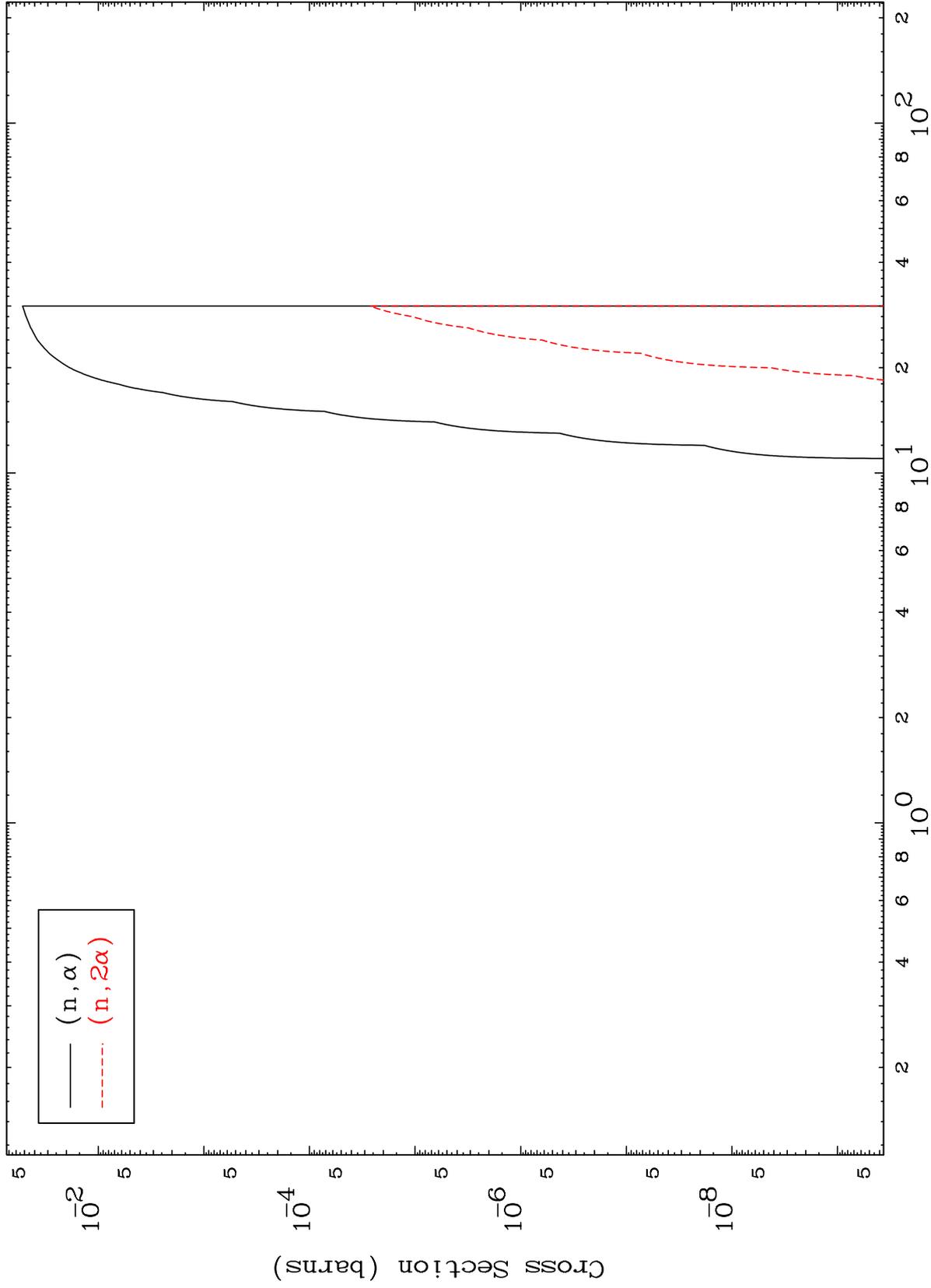
61-Pm-134

MAT 6110

( $\alpha, \alpha$ ) Levels

61-Pm-134

0 Kelvin Cross Sections



10

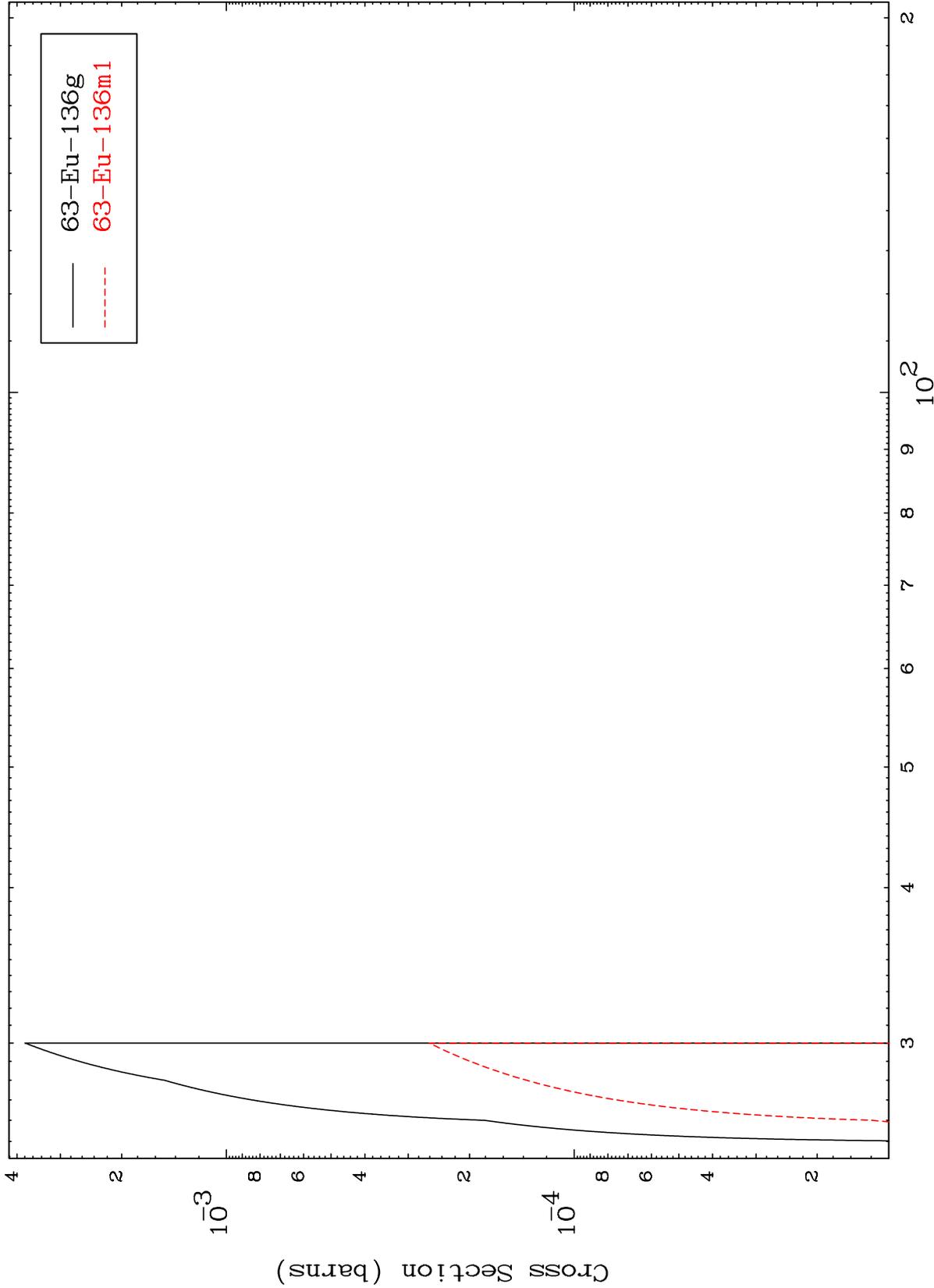
Incident Energy (MeV)

61-Pm-134

MAT 6110

61-Pm-134

(n,2n)  
Radionuclide Production Cross Section



63-Eu-136g  
63-Eu-136m1

11

61-Pm-134

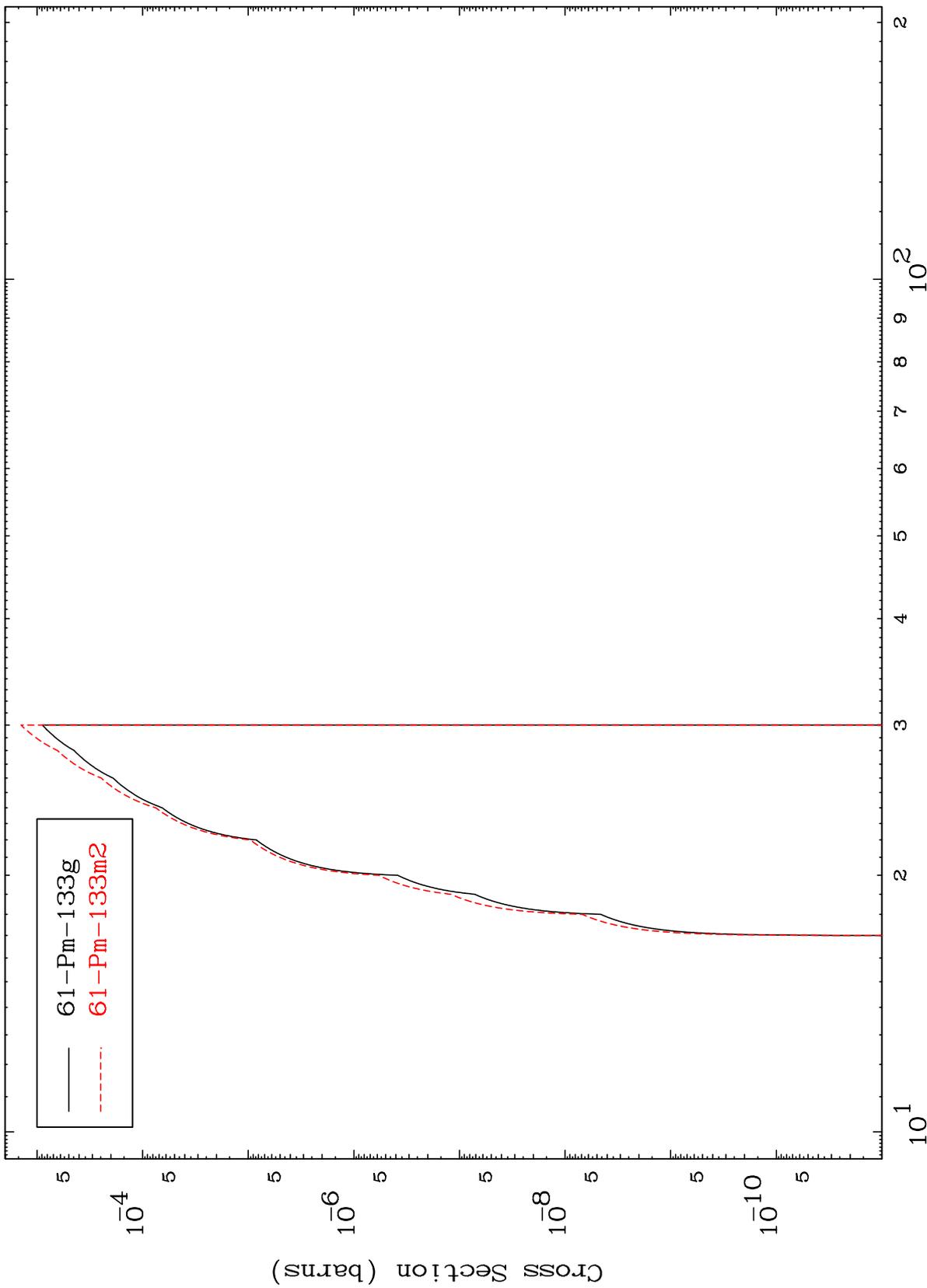
Incident Energy (MeV)

MAT 6110

$(n, n') \alpha$

61-Pm-134

Radionuclide Production Cross Section

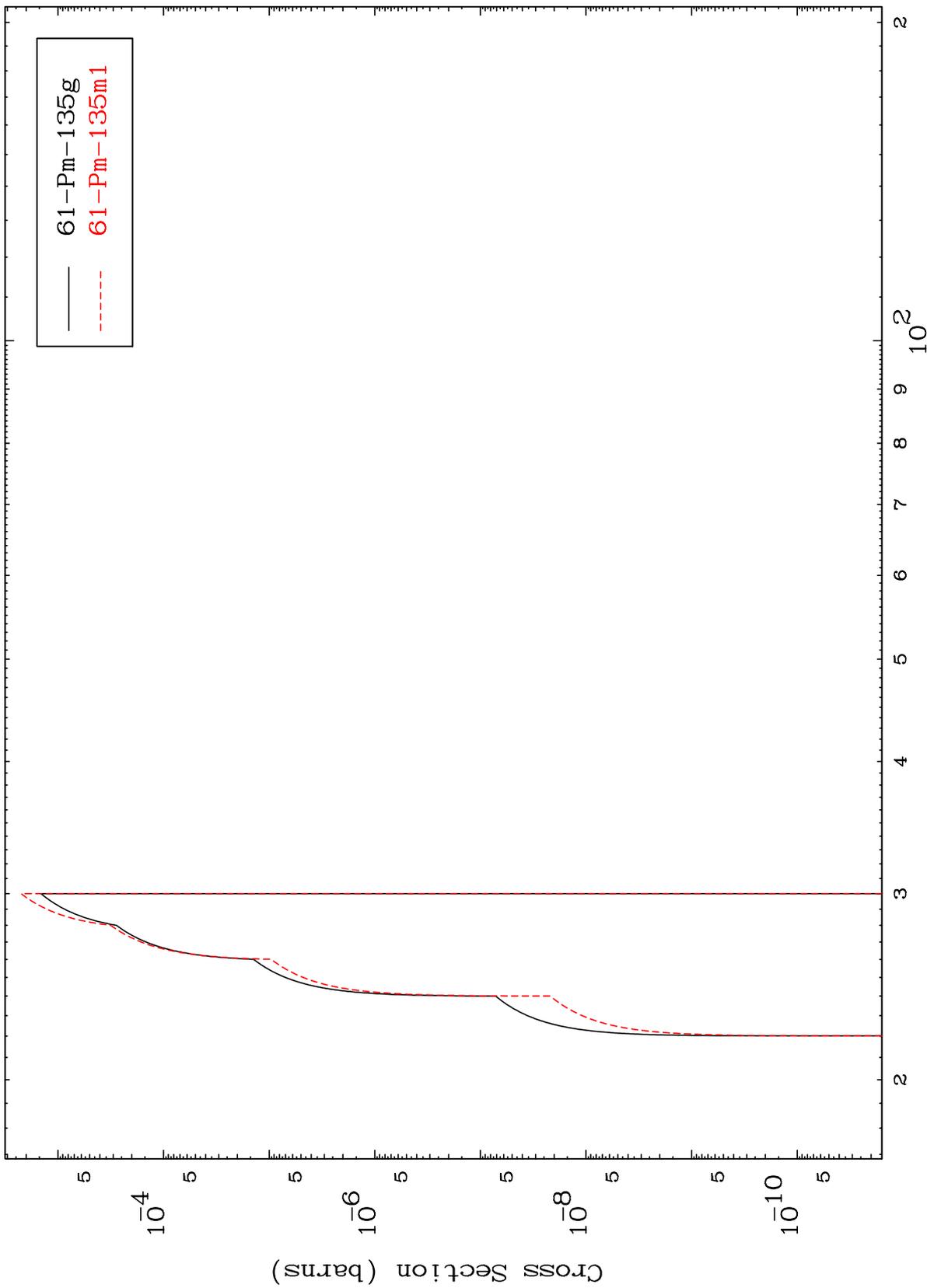


12

Incident Energy (MeV)

61-Pm-134

Radionuclide Production Cross Section

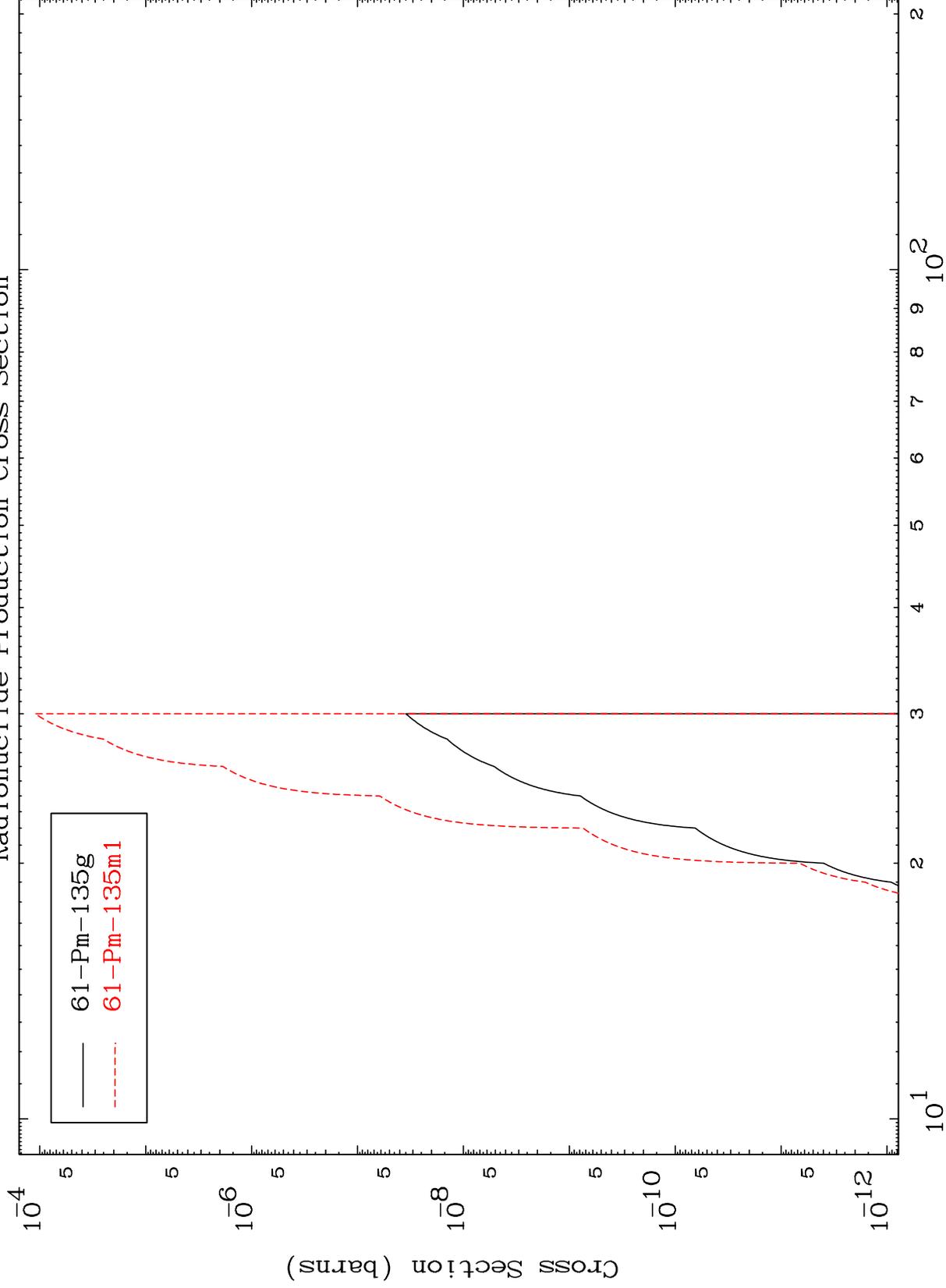


MAT 6110

(n,He-3)

61-Pm-134

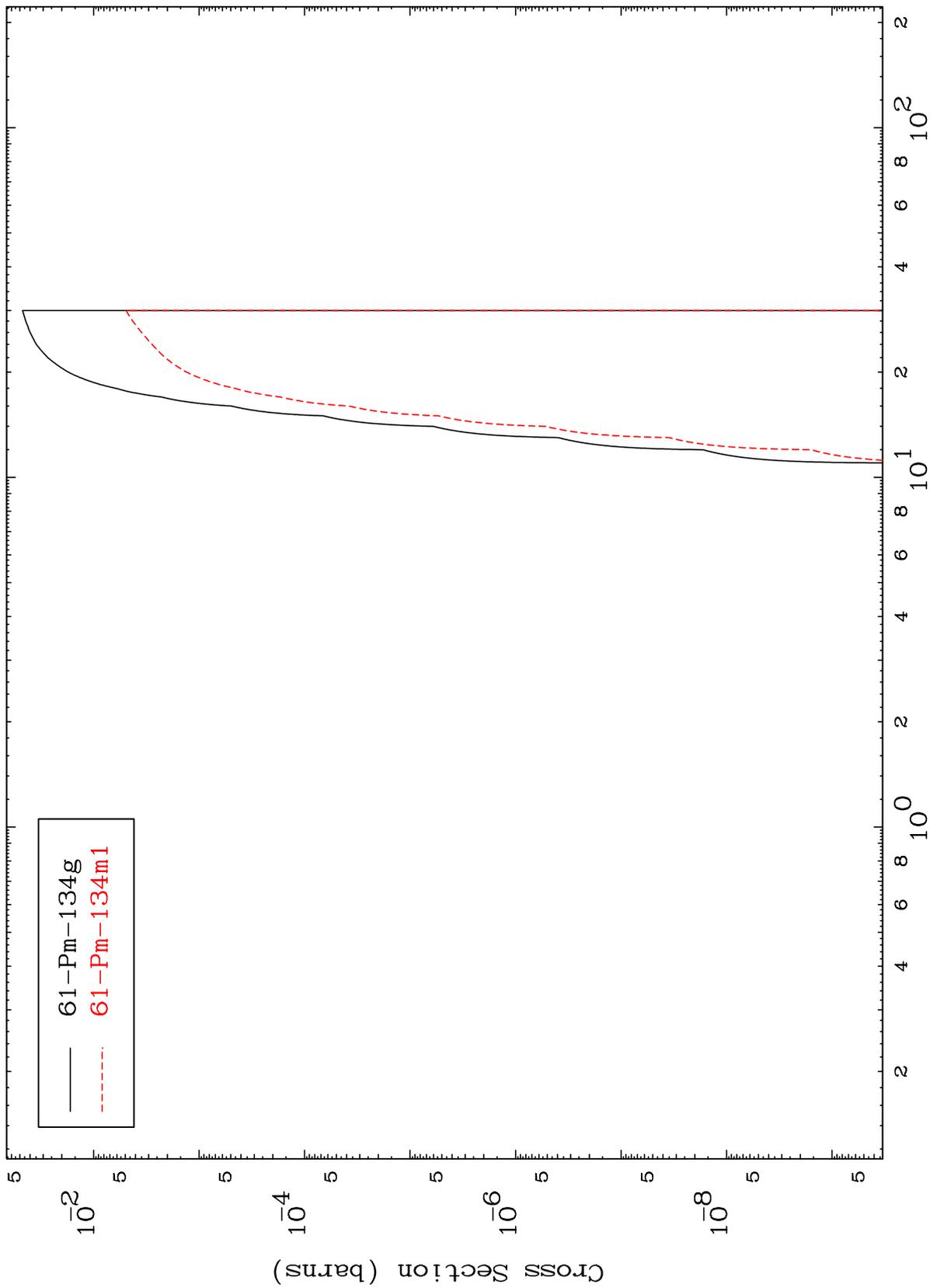
Radionuclide Production Cross Section



MAT 6110

61-Pm-134

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



61-Pm-134

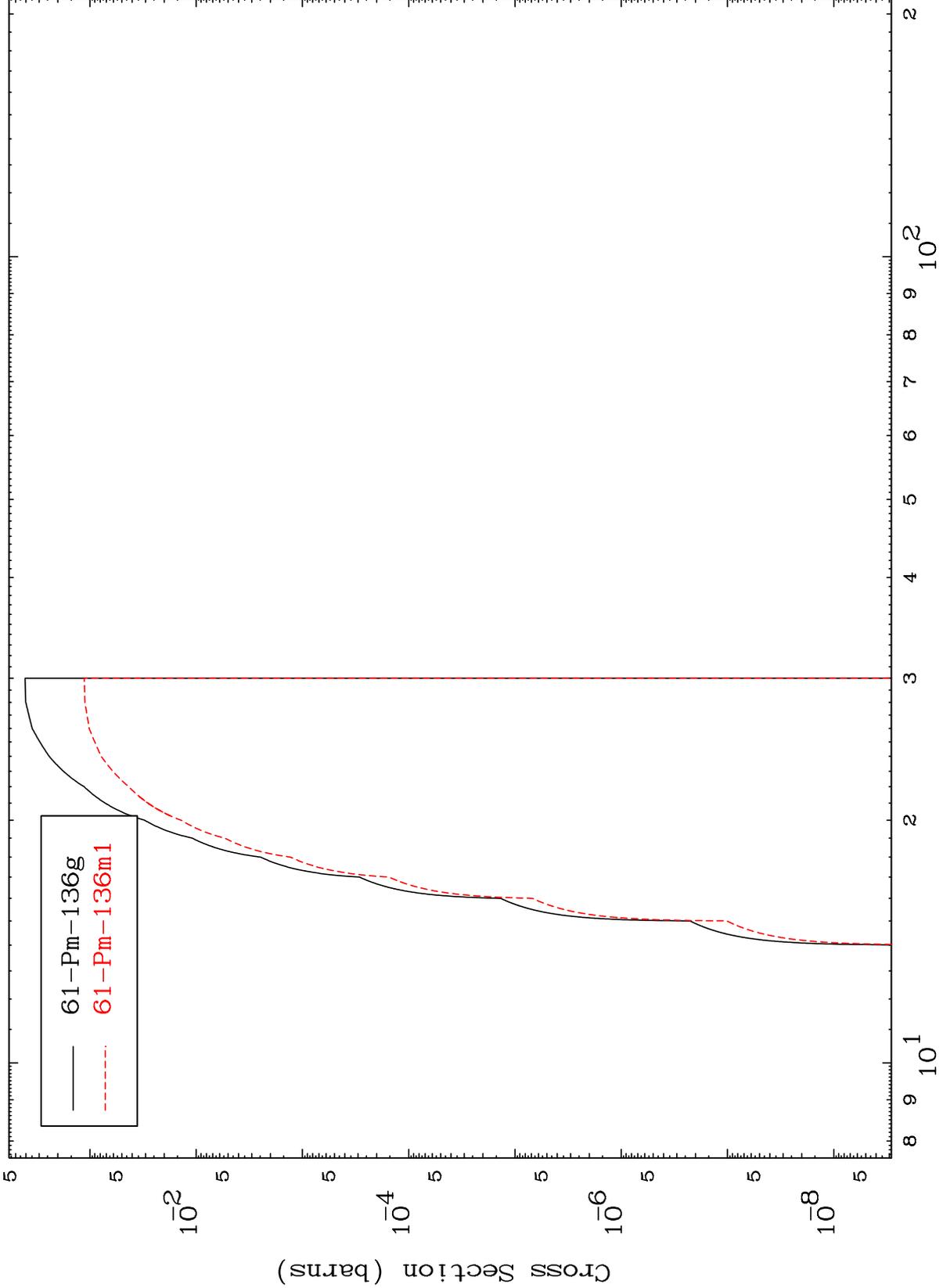
Incident Energy (MeV)

15

MAT 6110

61-Pm-134

(n,2p)  
Radionuclide Production Cross Section



61-Pm-136g  
61-Pm-136m1

16

Incident Energy (MeV)

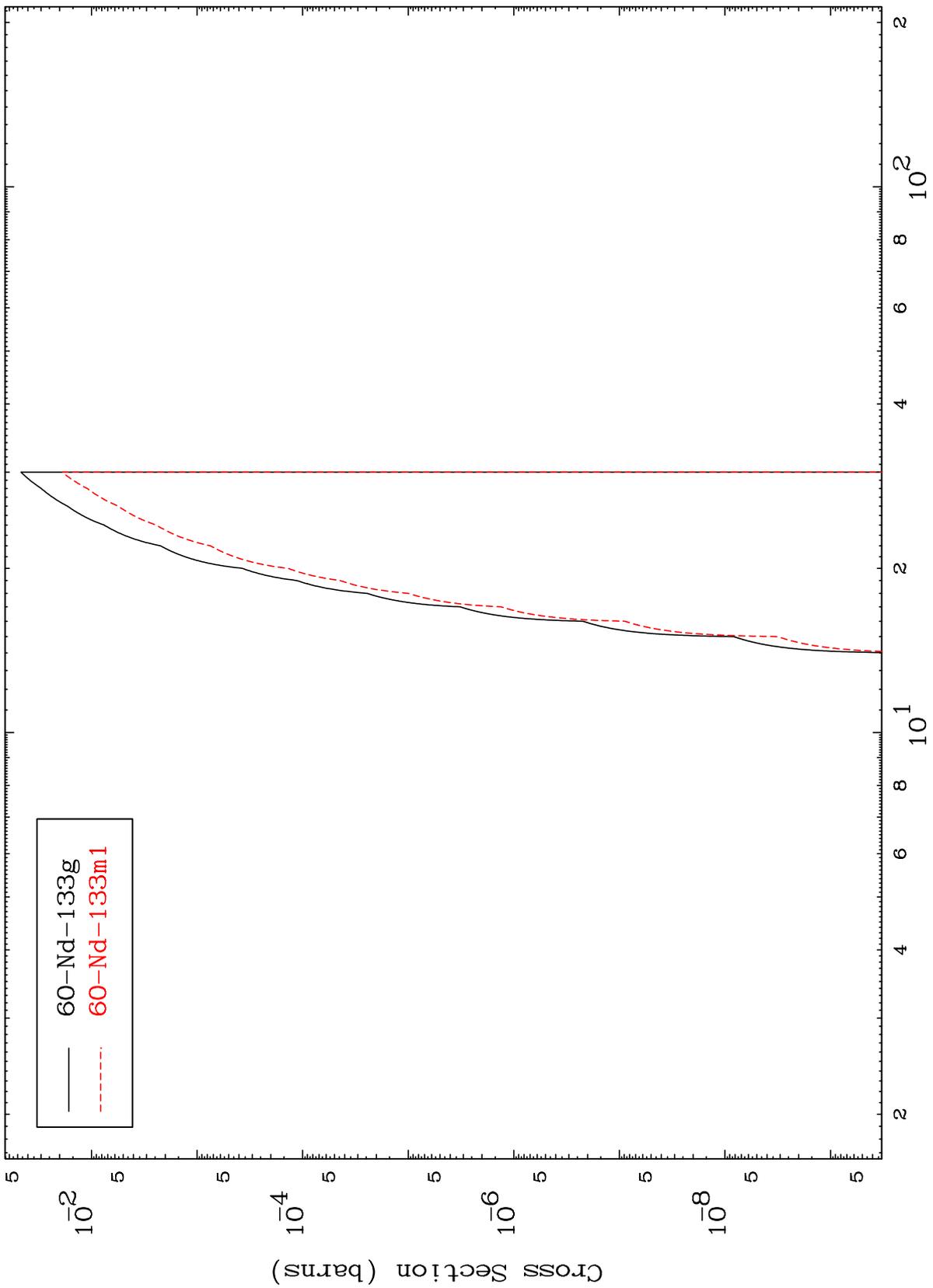
61-Pm-134

MAT 6110

(n,p)  $\alpha$

61-Pm-134

Radionuclide Production Cross Section



17

Incident Energy (MeV)

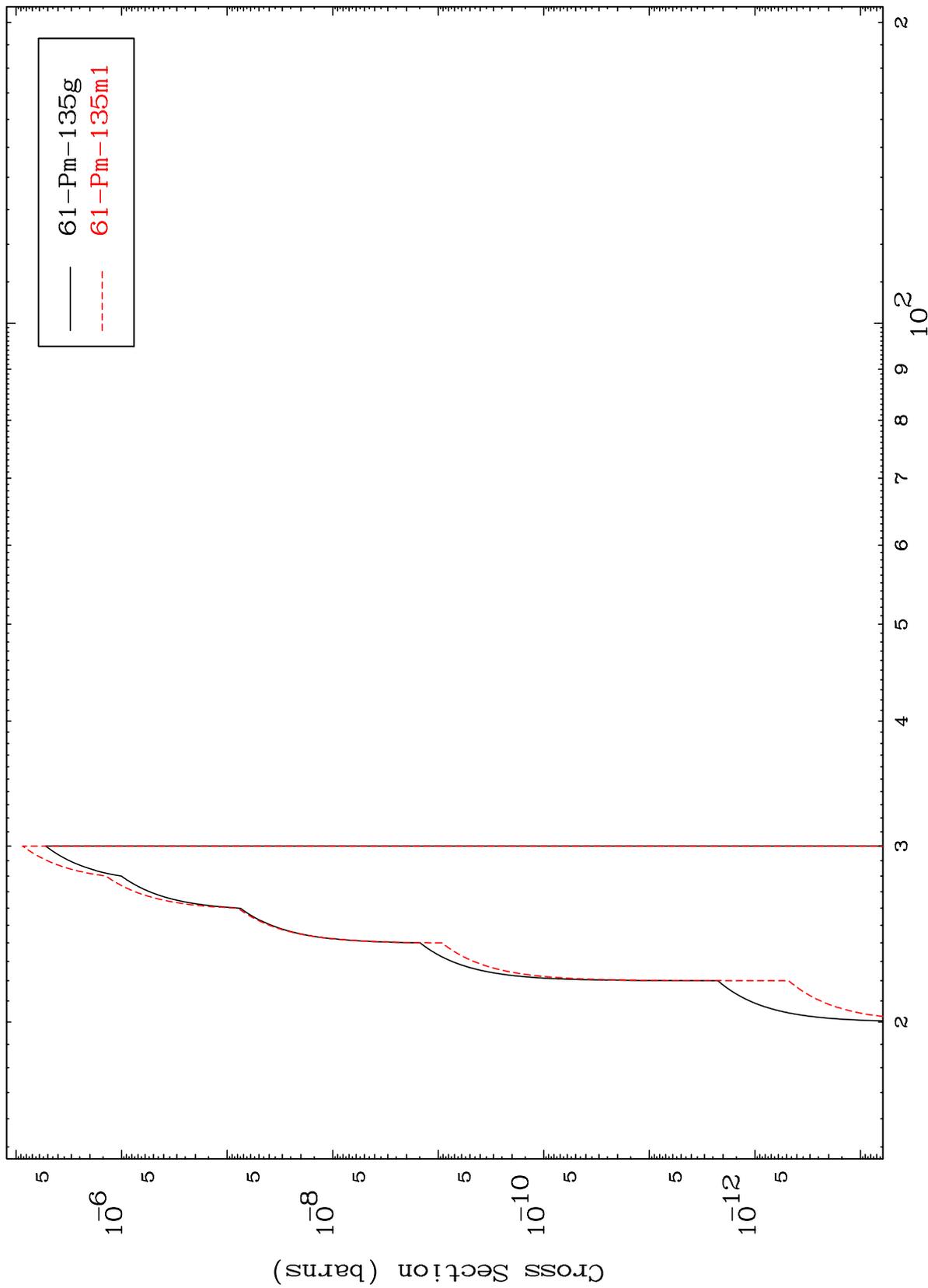
61-Pm-134

MAT 6110

(n,p) d

61-Pm-134

Radionuclide Production Cross Section



18

Incident Energy (MeV)

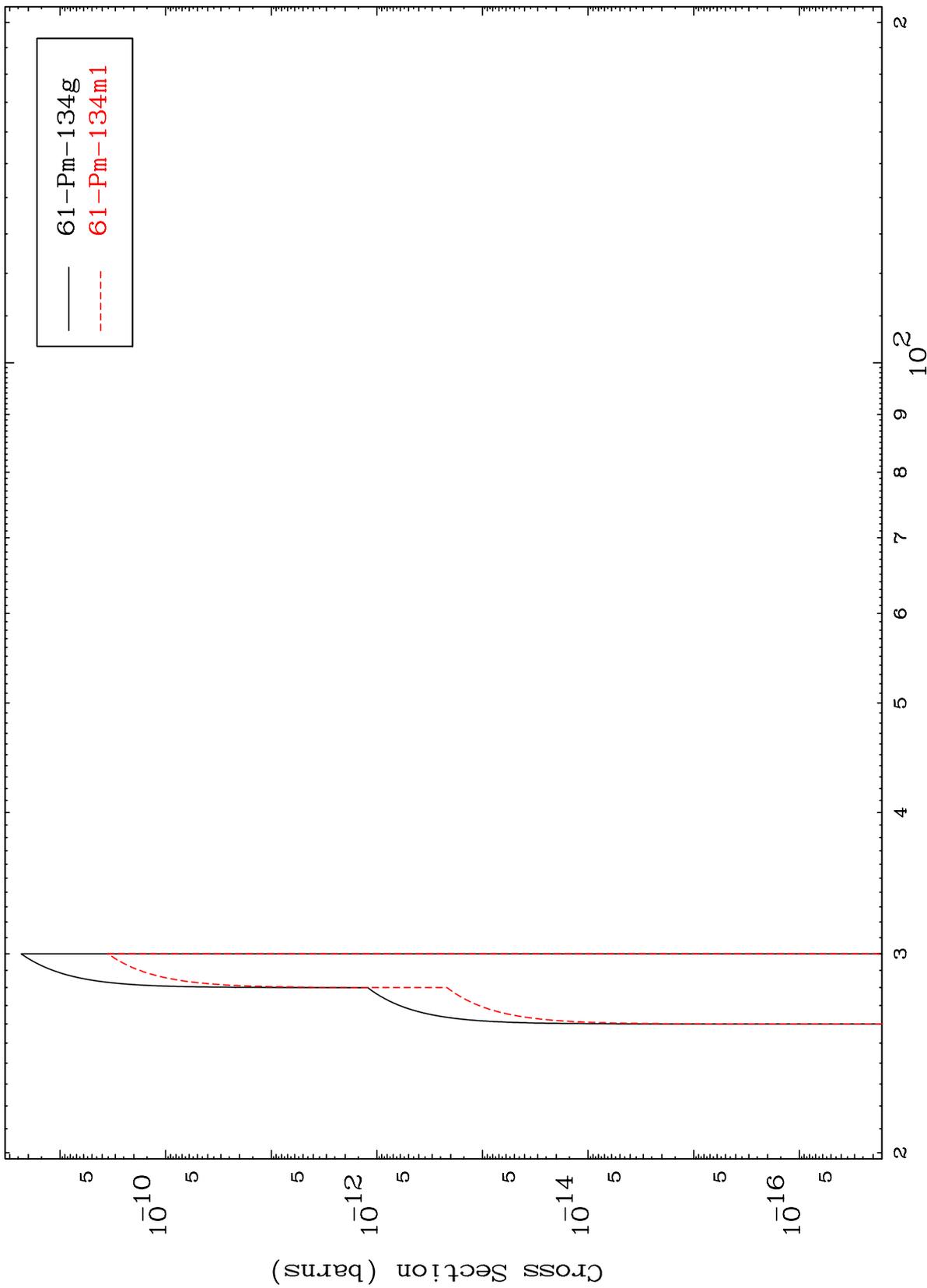
61-Pm-134

MAT 6110

(n,p) t

61-Pm-134

Radionuclide Production Cross Section



19

Incident Energy (MeV)

61-Pm-134