

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

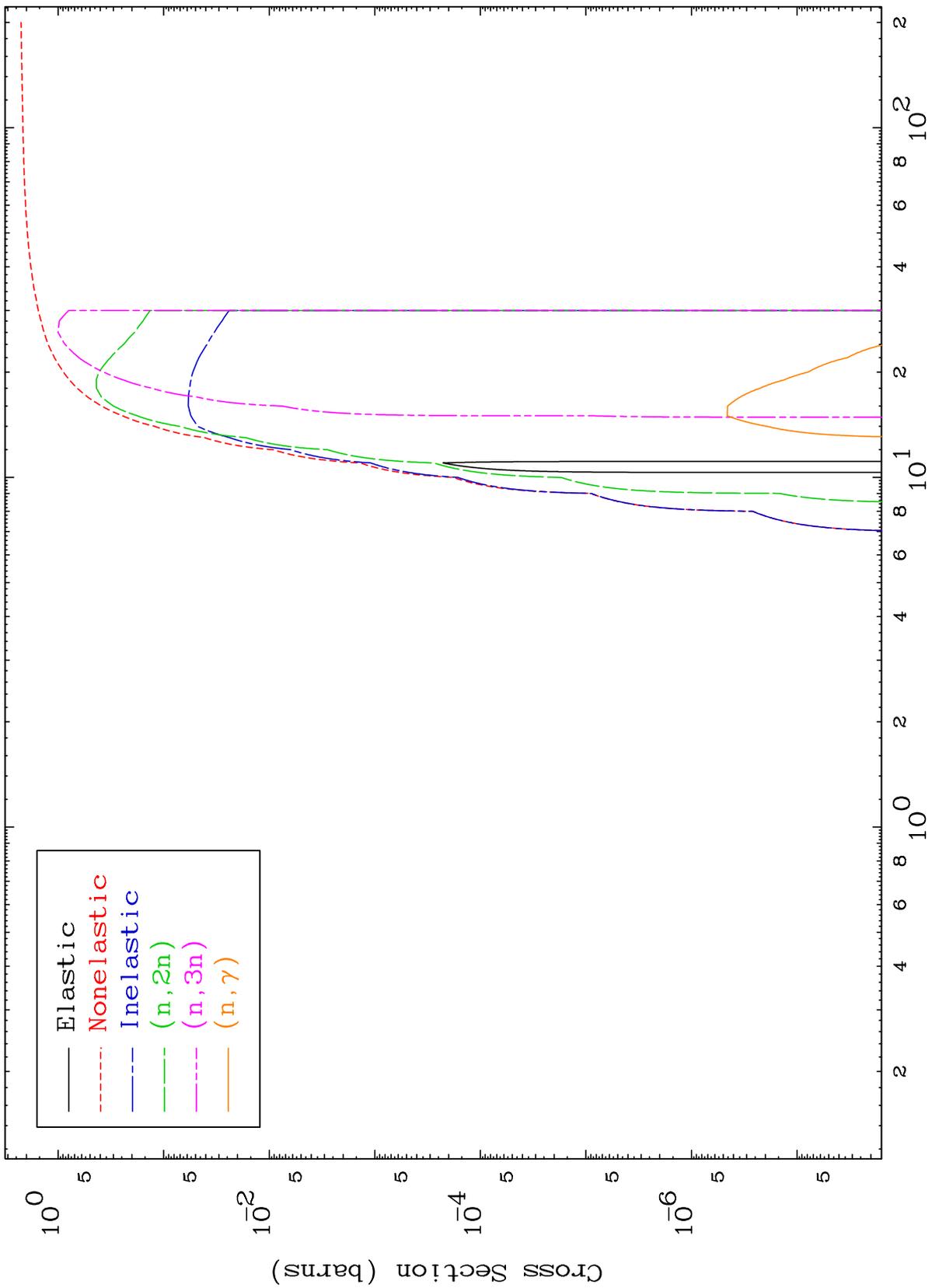
Press Mouse Button to Start

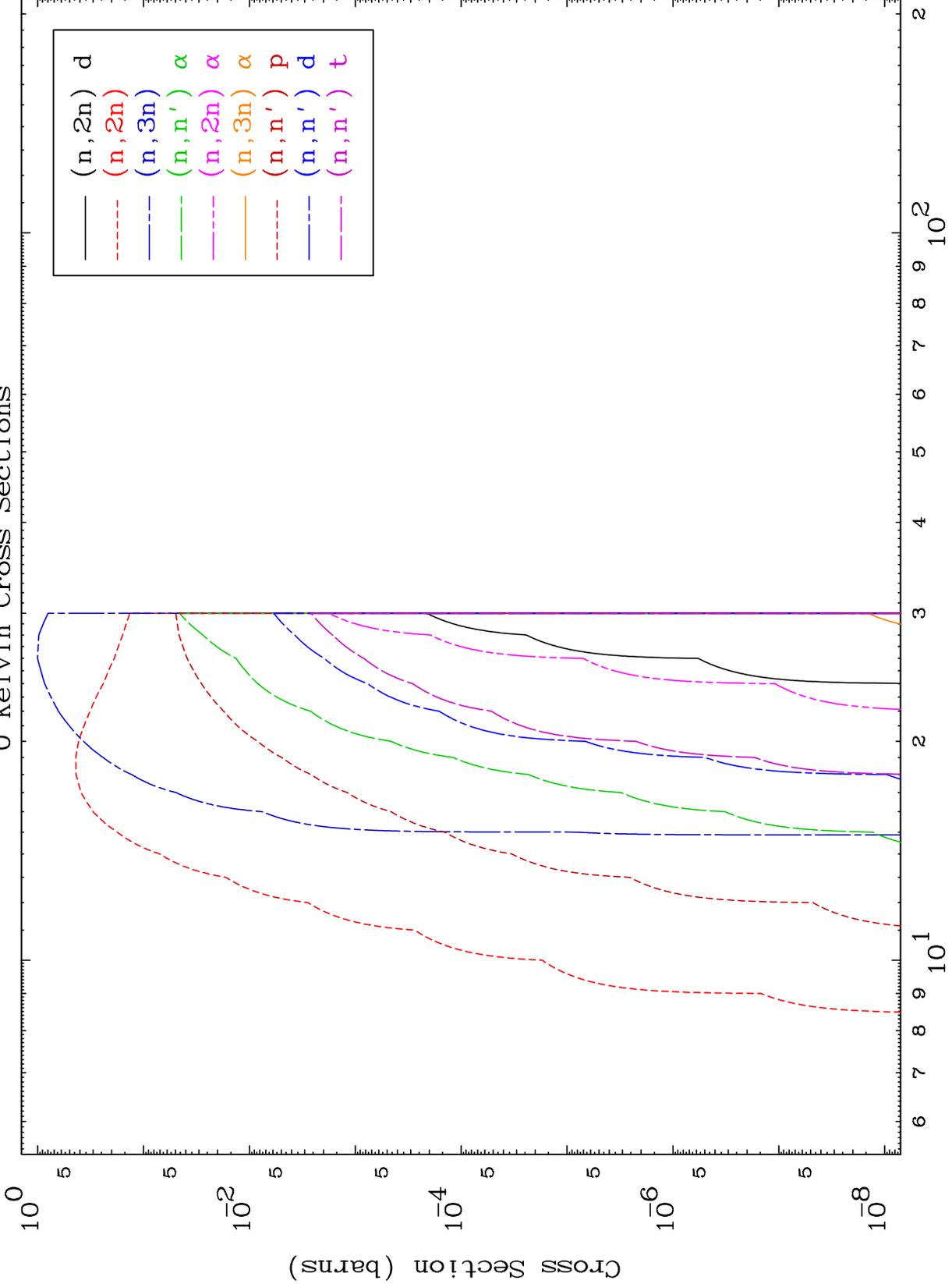
MAT 4958

$\alpha$  Major

49-In-124

0 Kelvin Cross Sections

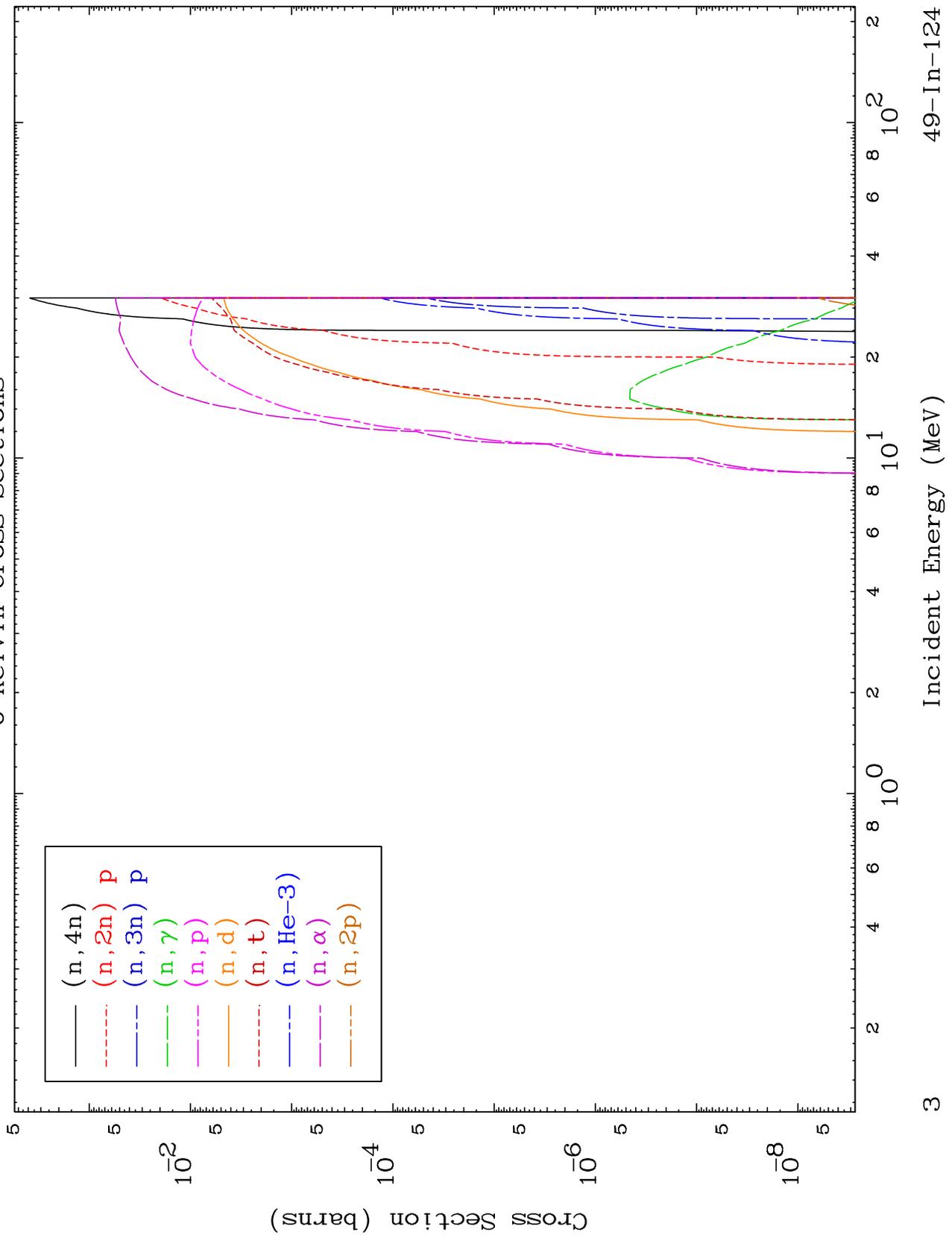


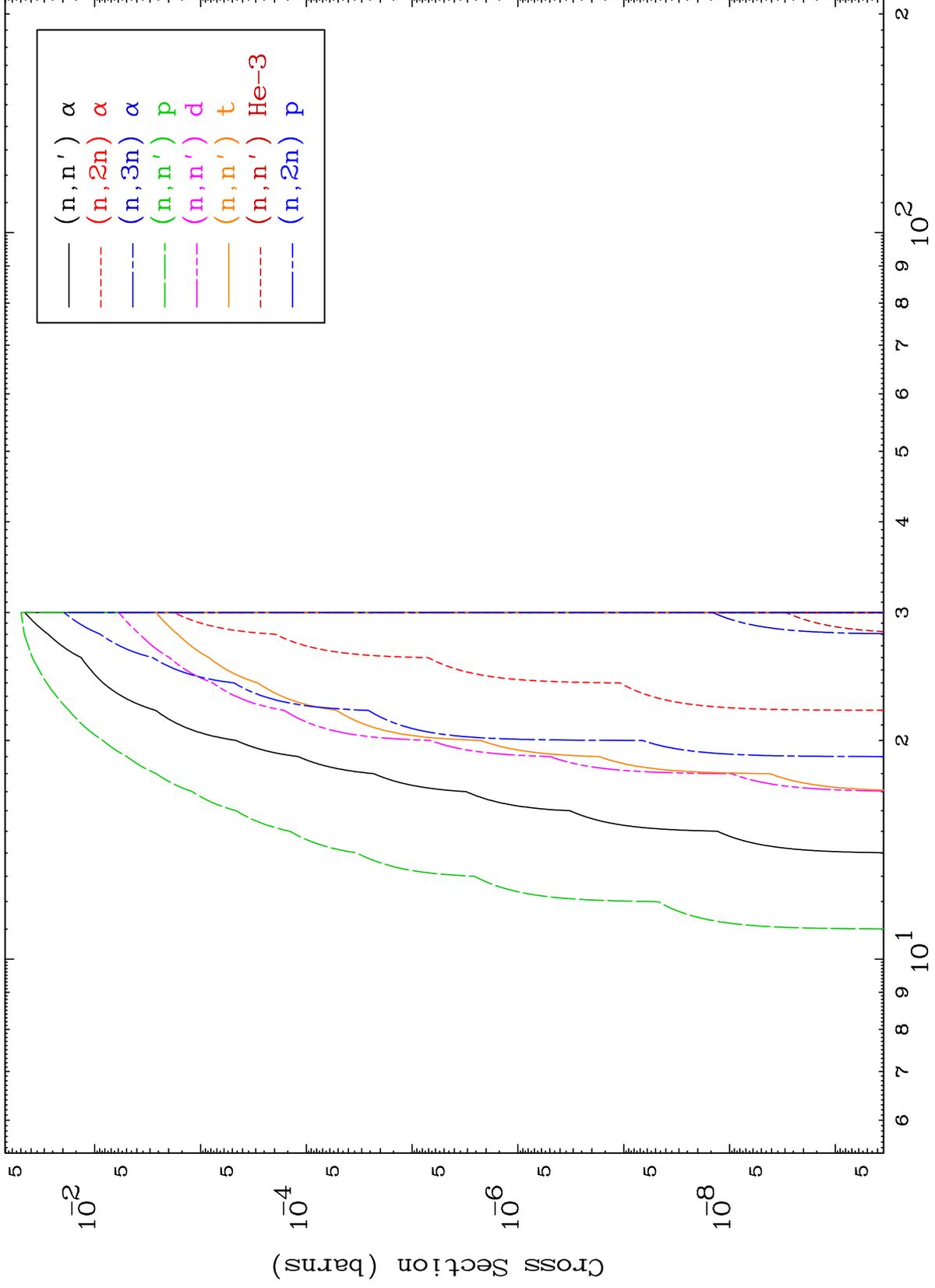


MAT 4958

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

49-In-124



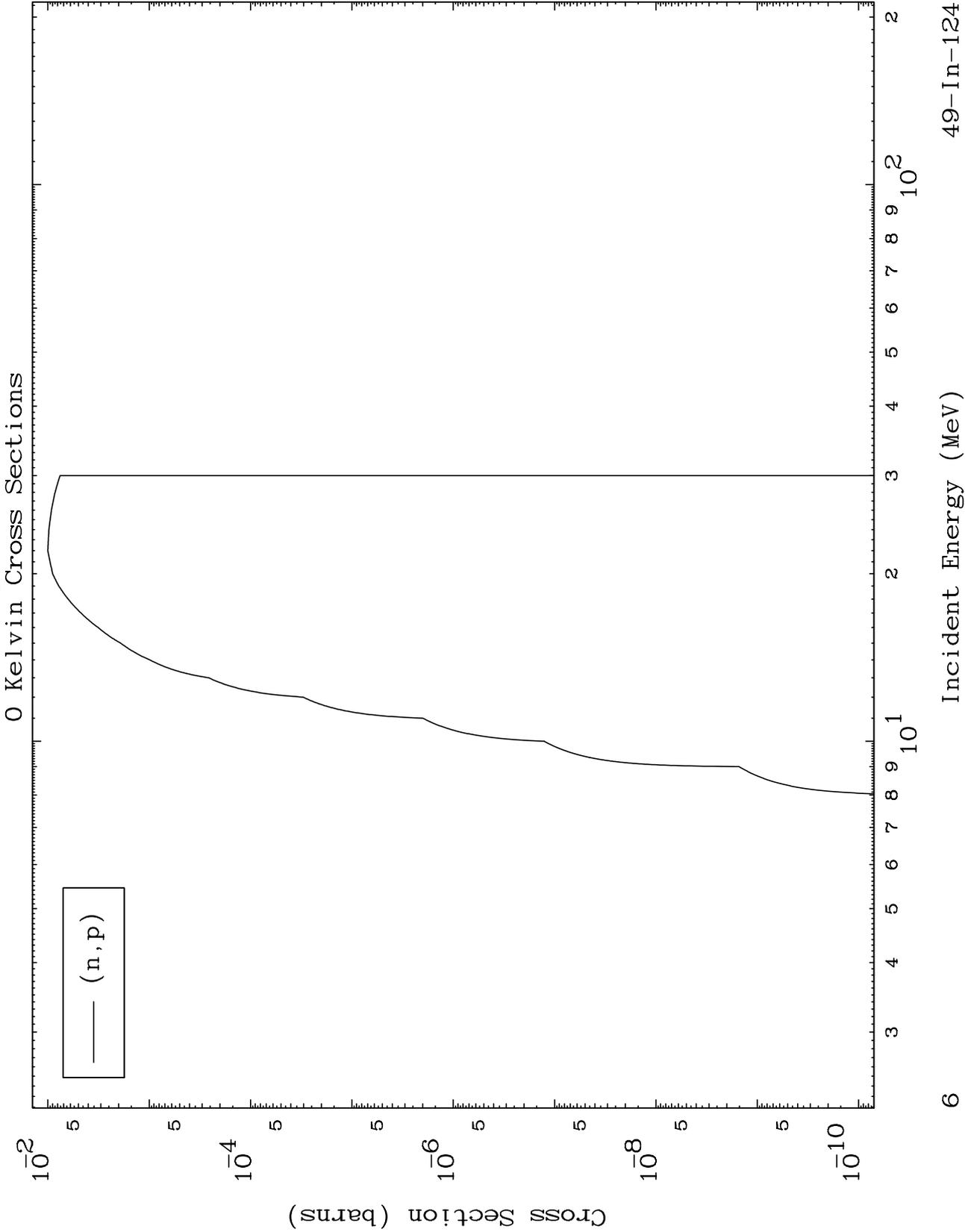




MAT 4958

( $\alpha, p$ ) Levels

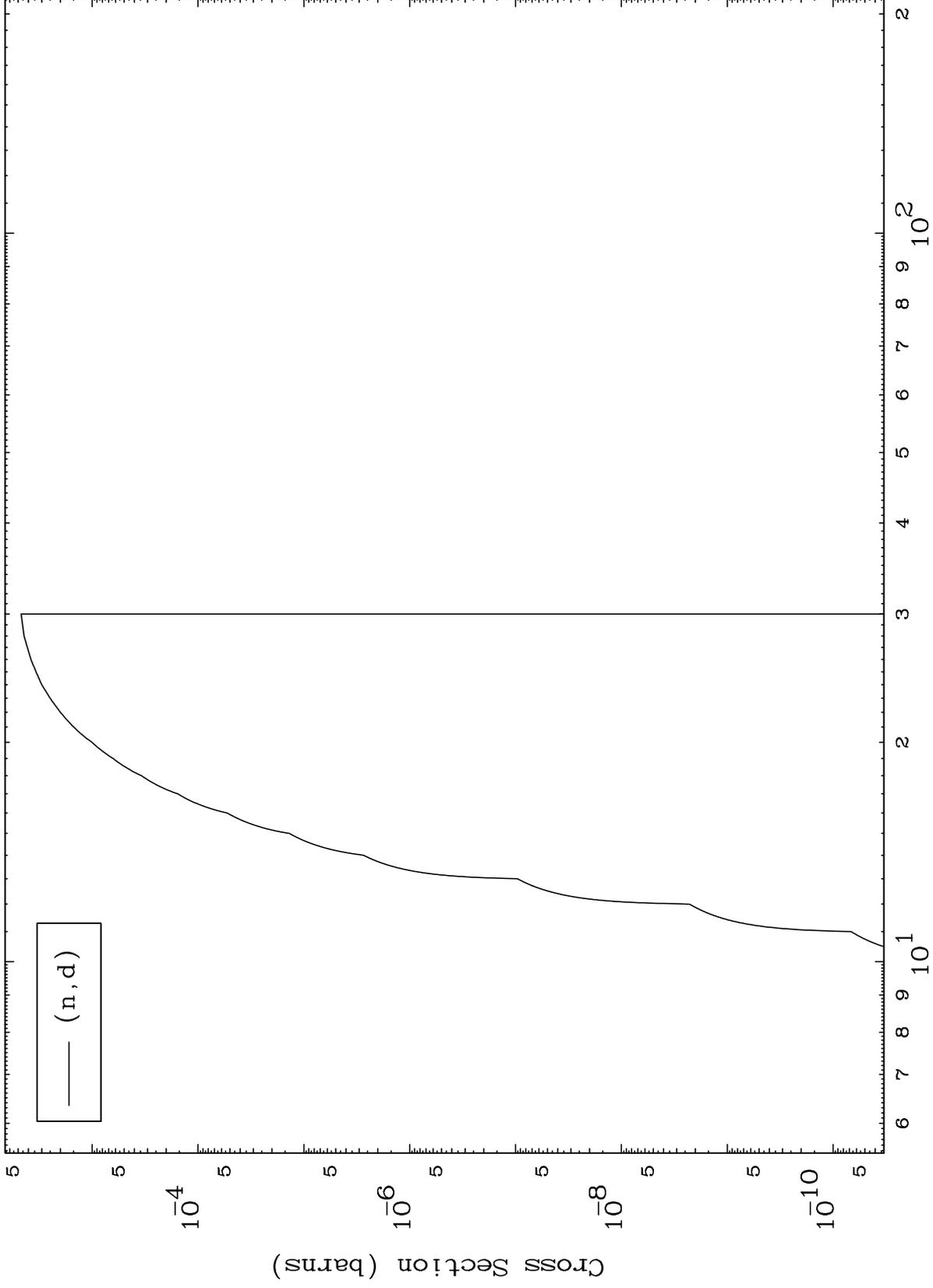
49-In-124



MAT 4958

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

49-In-124



7

Incident Energy (MeV)

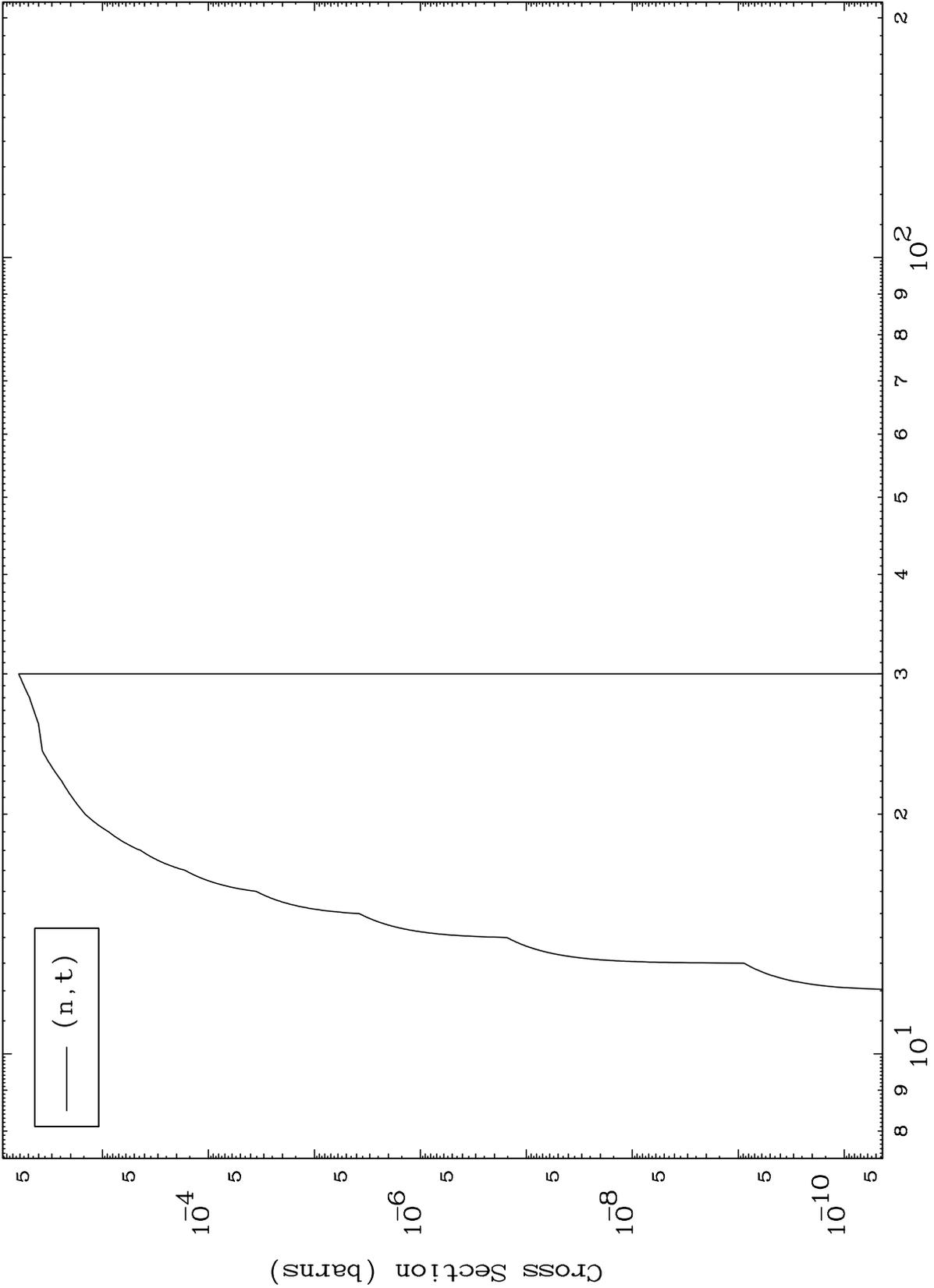
49-In-124

MAT 4958

( $\alpha, t$ ) Levels

49-In-124

0 Kelvin Cross Sections

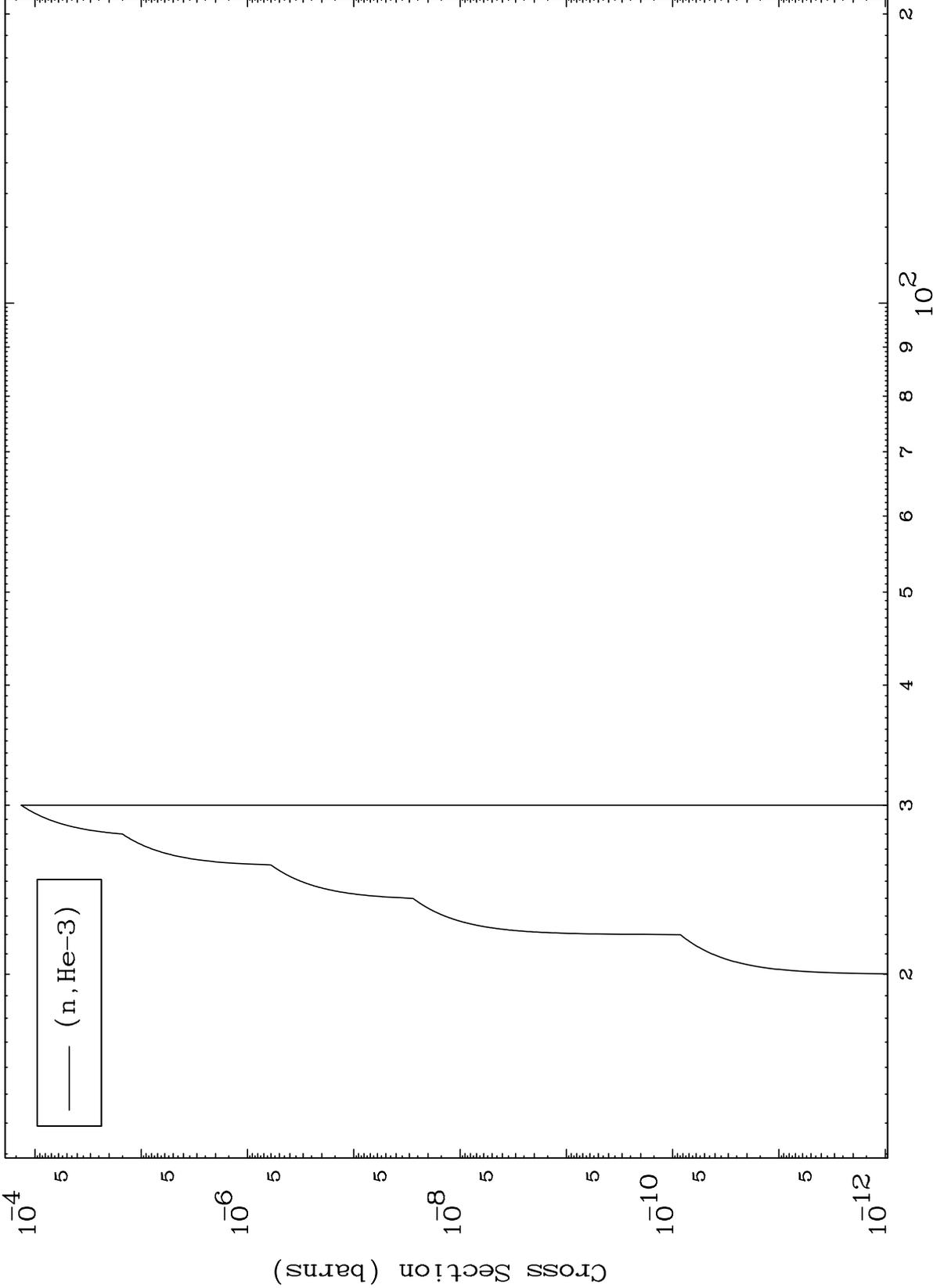


8

Incident Energy (MeV)

49-In-124

0 Kelvin Cross Sections



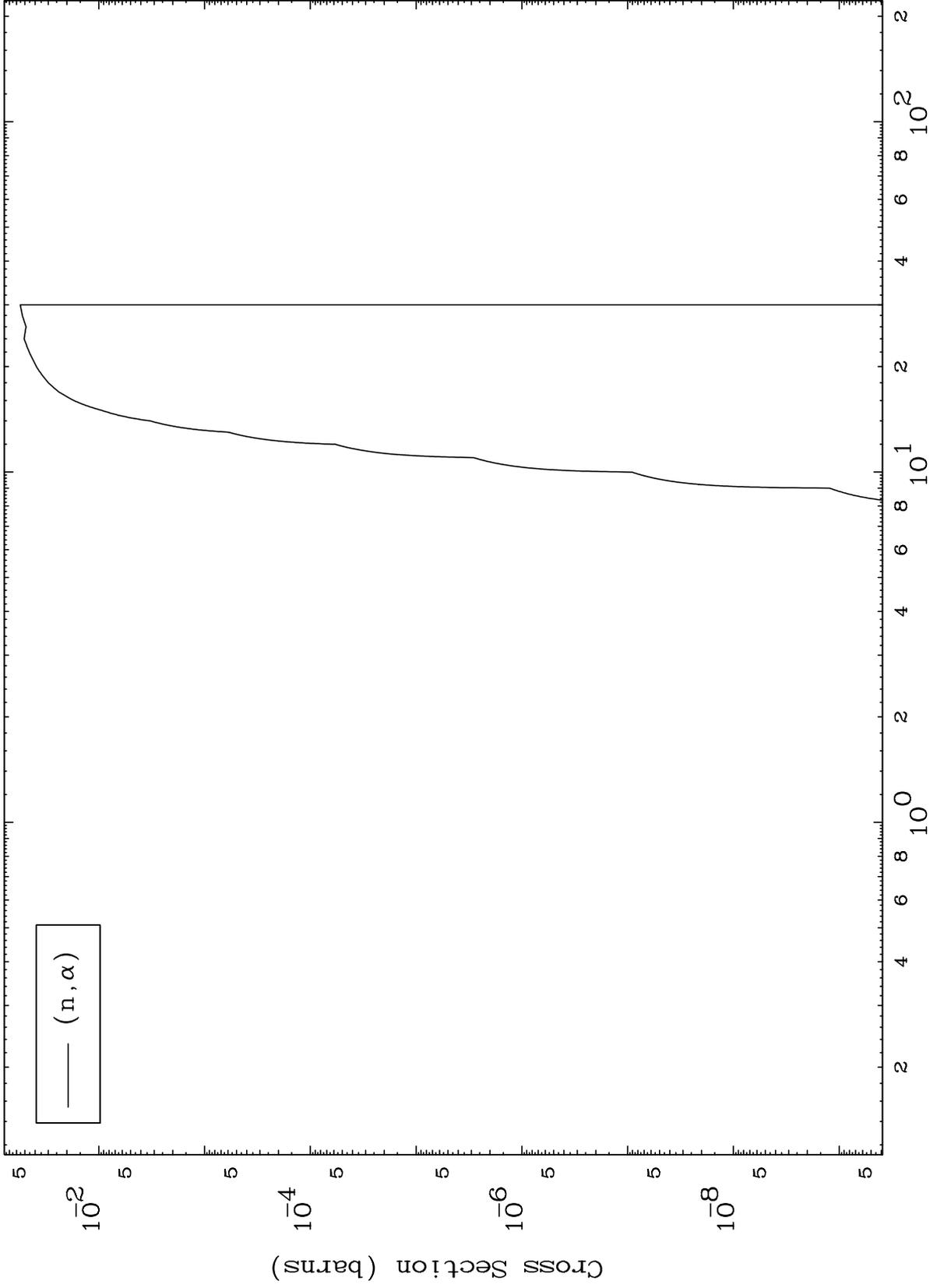
(n, He-3)

MAT 4958

( $\alpha, \alpha$ ) Levels

49-In-124

0 Kelvin Cross Sections



10

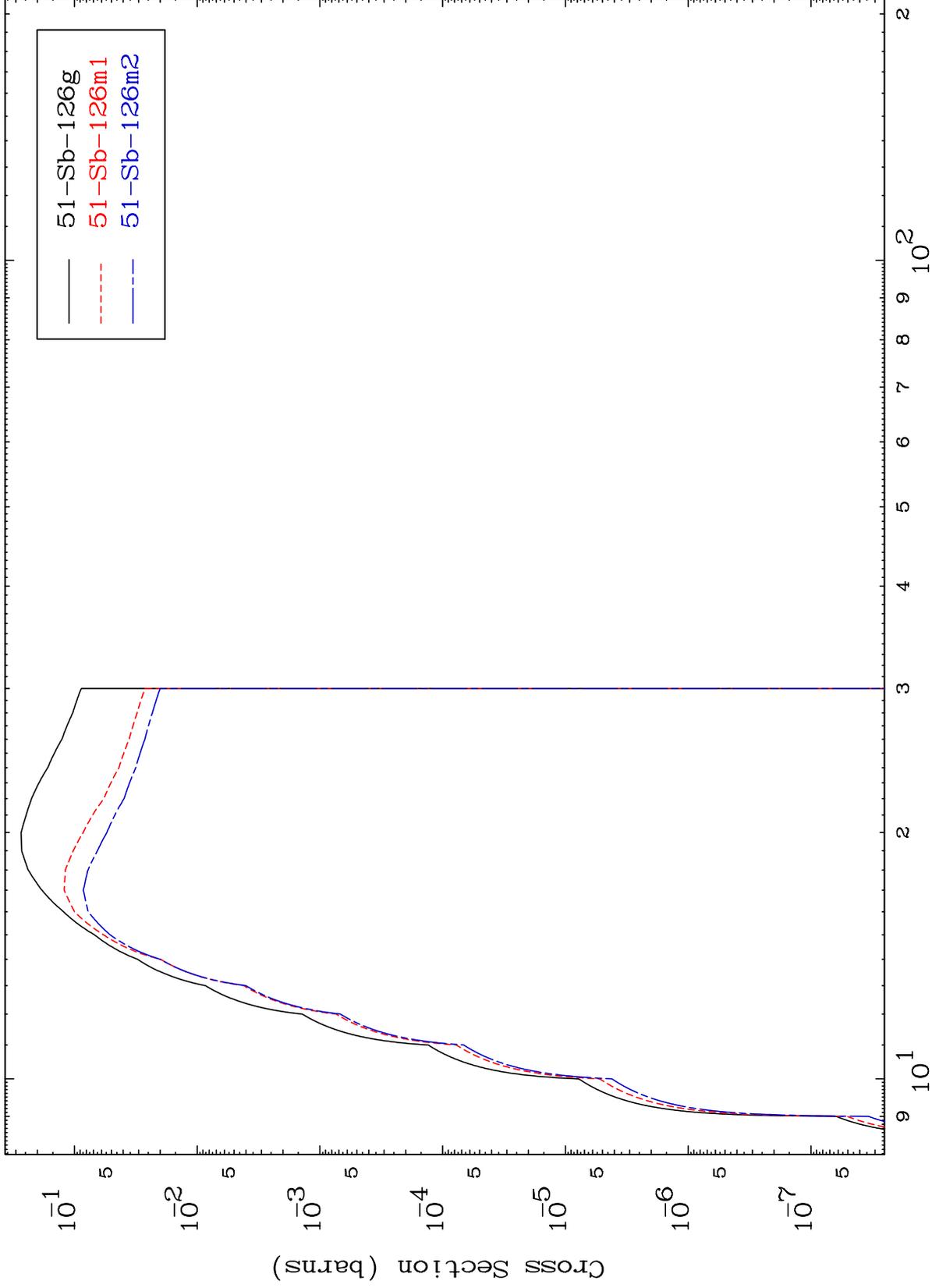
Incident Energy (MeV)

49-In-124

MAT 4958

49-In-124

(n,2n)  
Radionuclide Production Cross Section



11

Incident Energy (MeV)

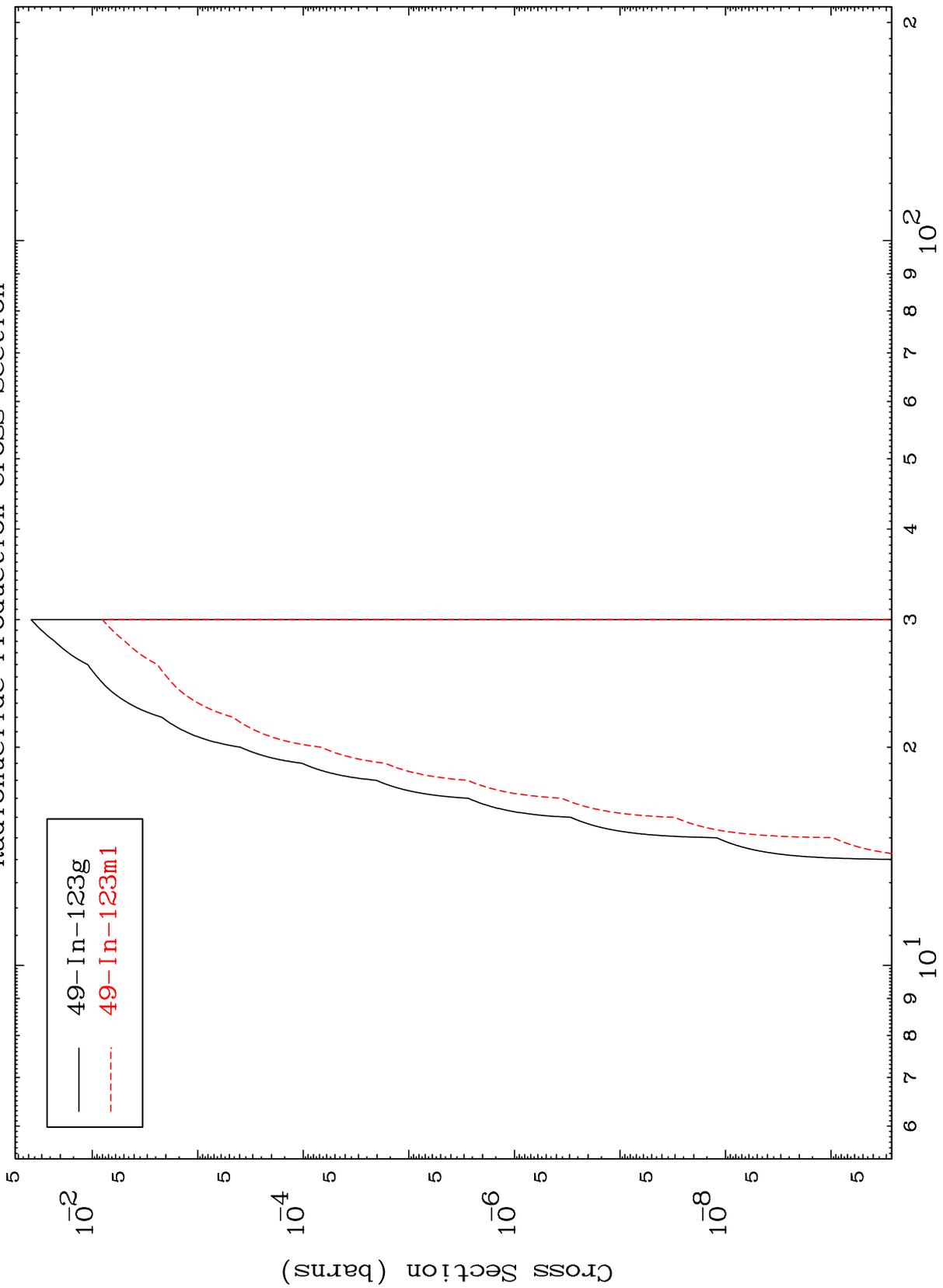
49-In-124

MAT 4958

(n,n')  $\alpha$

49-In-124

Radionuclide Production Cross Section



Legend:  
— 49-In-123g  
- - - 49-In-123m1

12

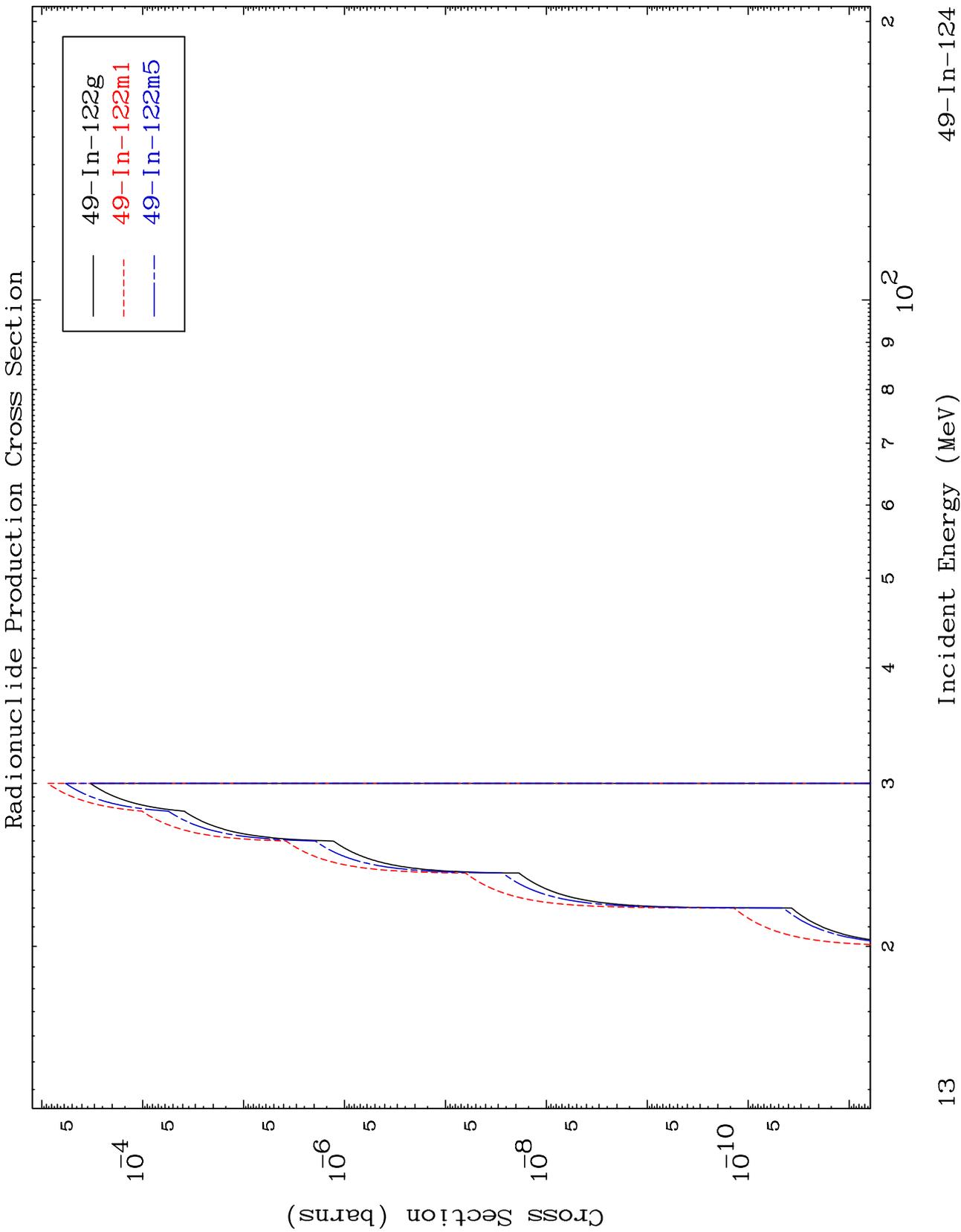
Incident Energy (MeV)

49-In-124

MAT 4958

(n,2n)  $\alpha$

49-In-124

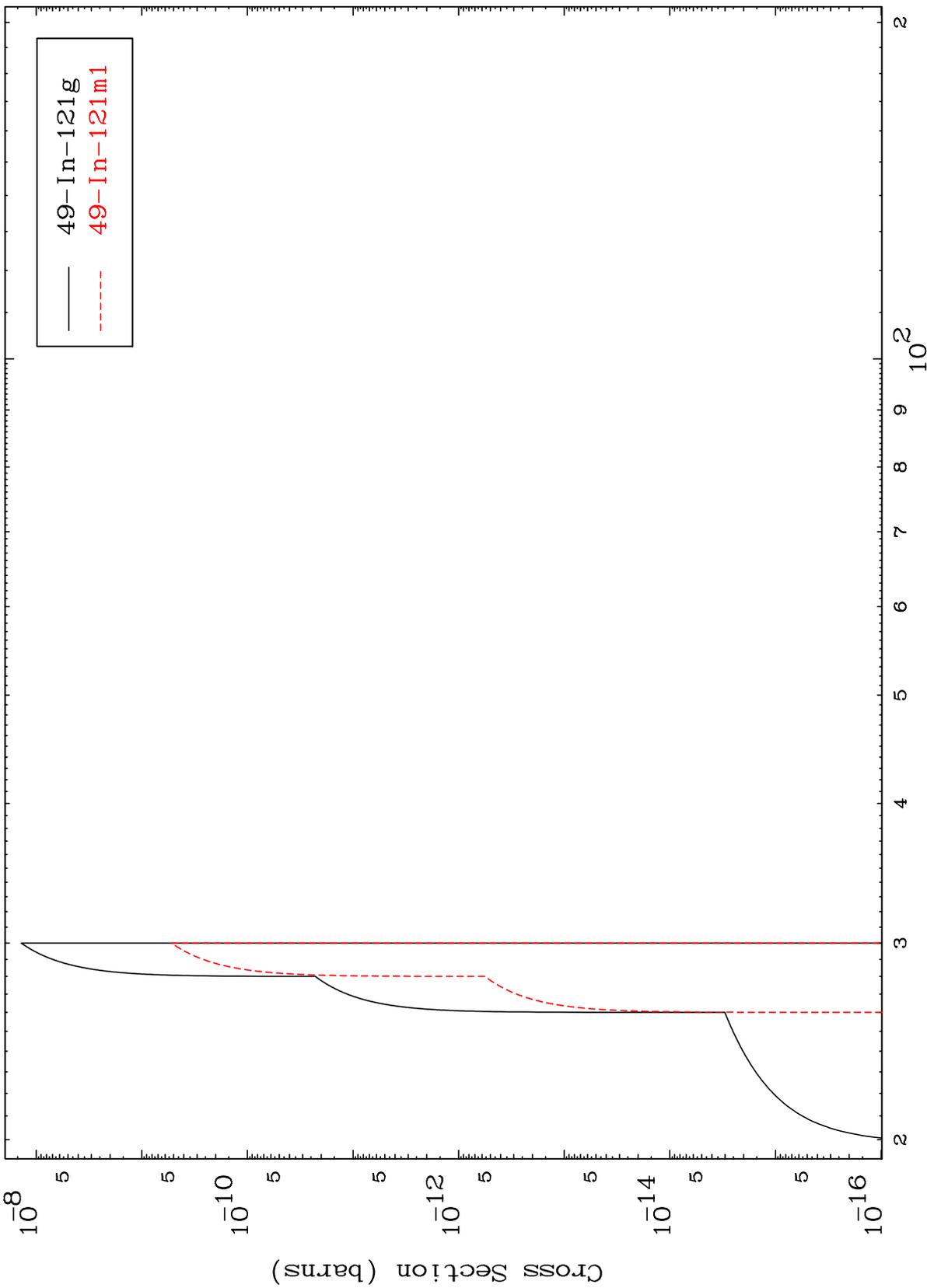


MAT 4958

(n,3n)  $\alpha$

49-In-124

Radionuclide Production Cross Section



14

Incident Energy (MeV)

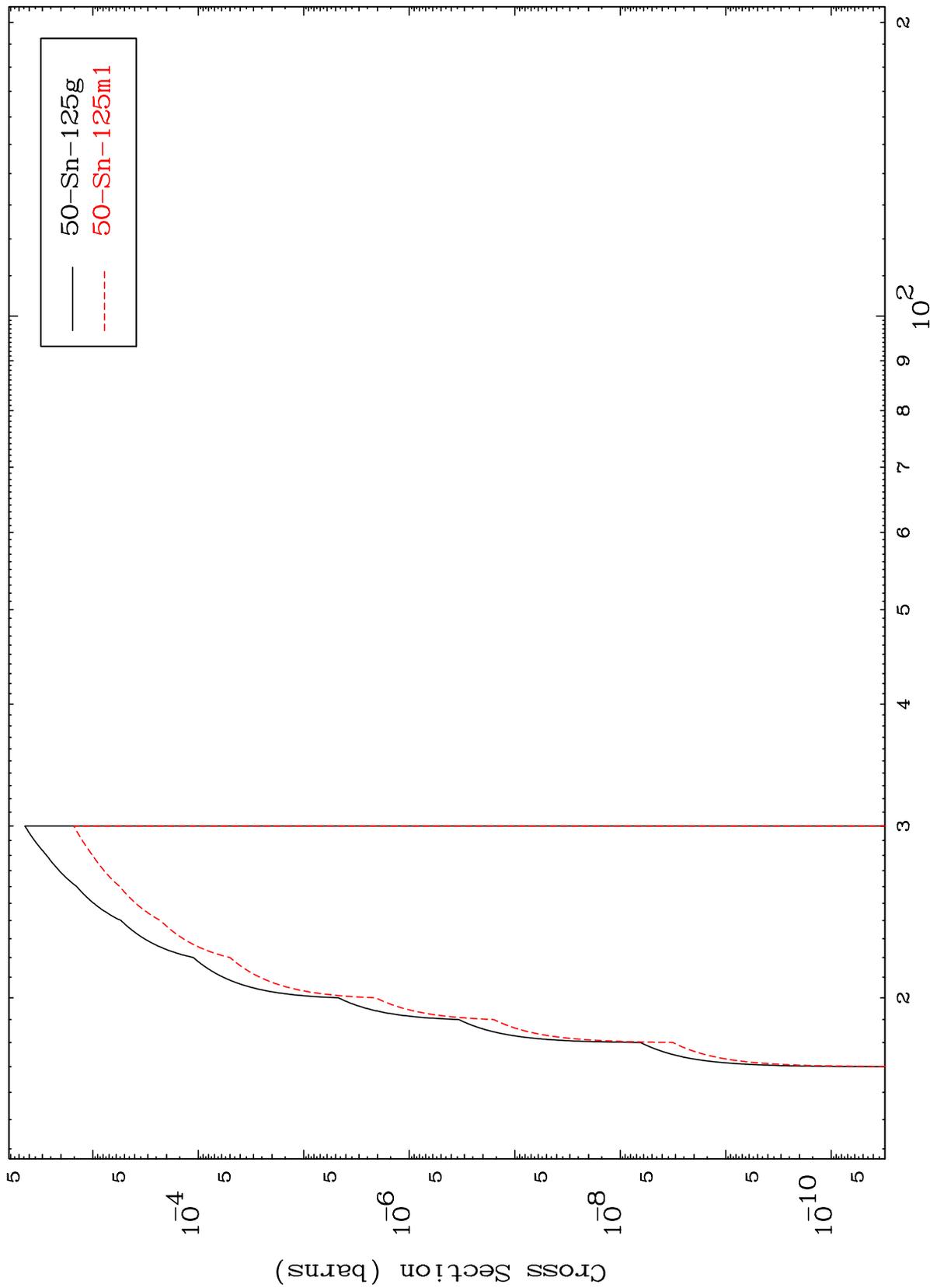
49-In-124

MAT 4958

(n,n') d

49-In-124

Radionuclide Production Cross Section



15

Incident Energy (MeV)

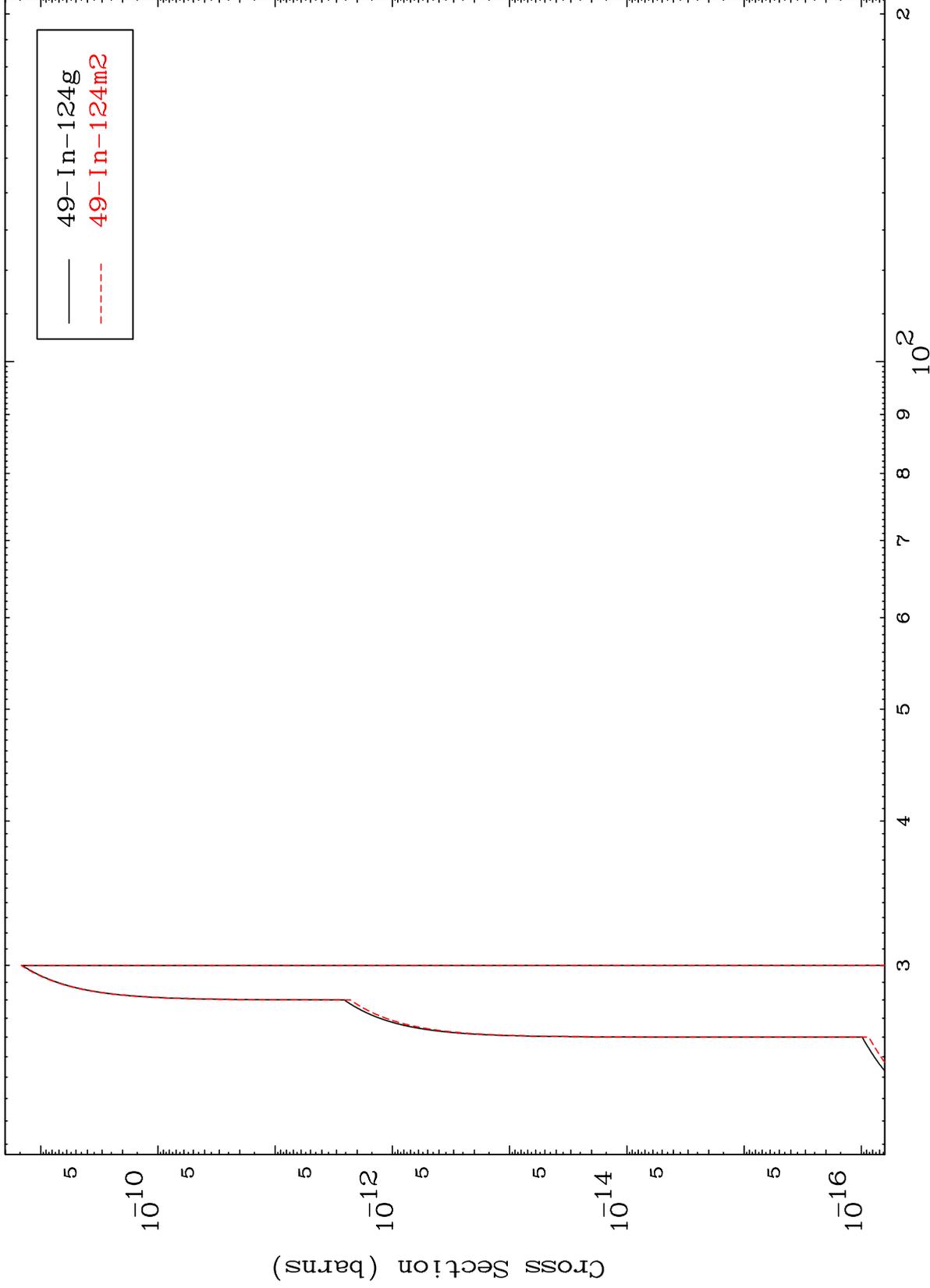
49-In-124

MAT 4958

(n,n') He-3

49-In-124

Radionuclide Production Cross Section

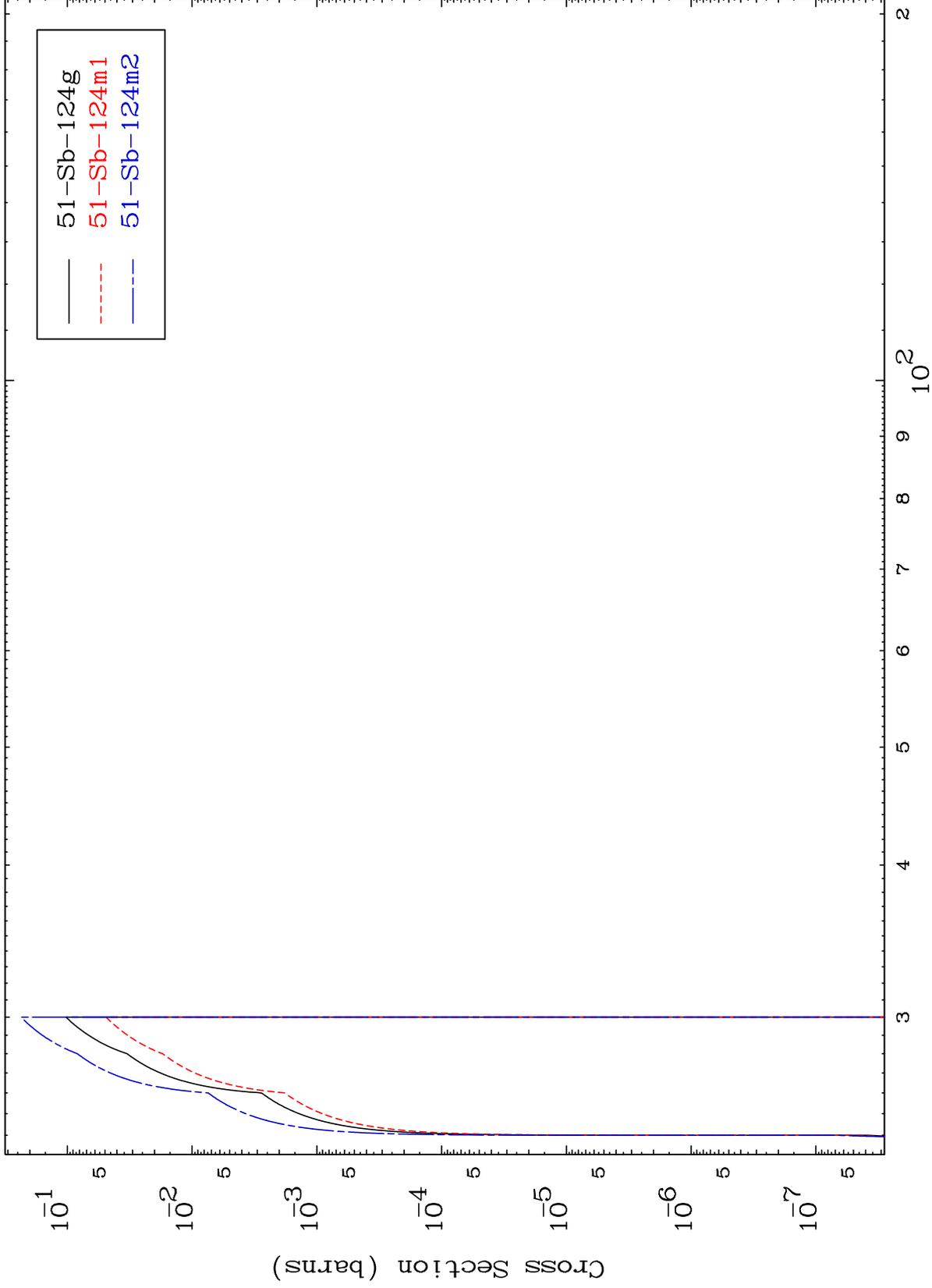


16

Incident Energy (MeV)

49-In-124

Radionuclide Production Cross Section

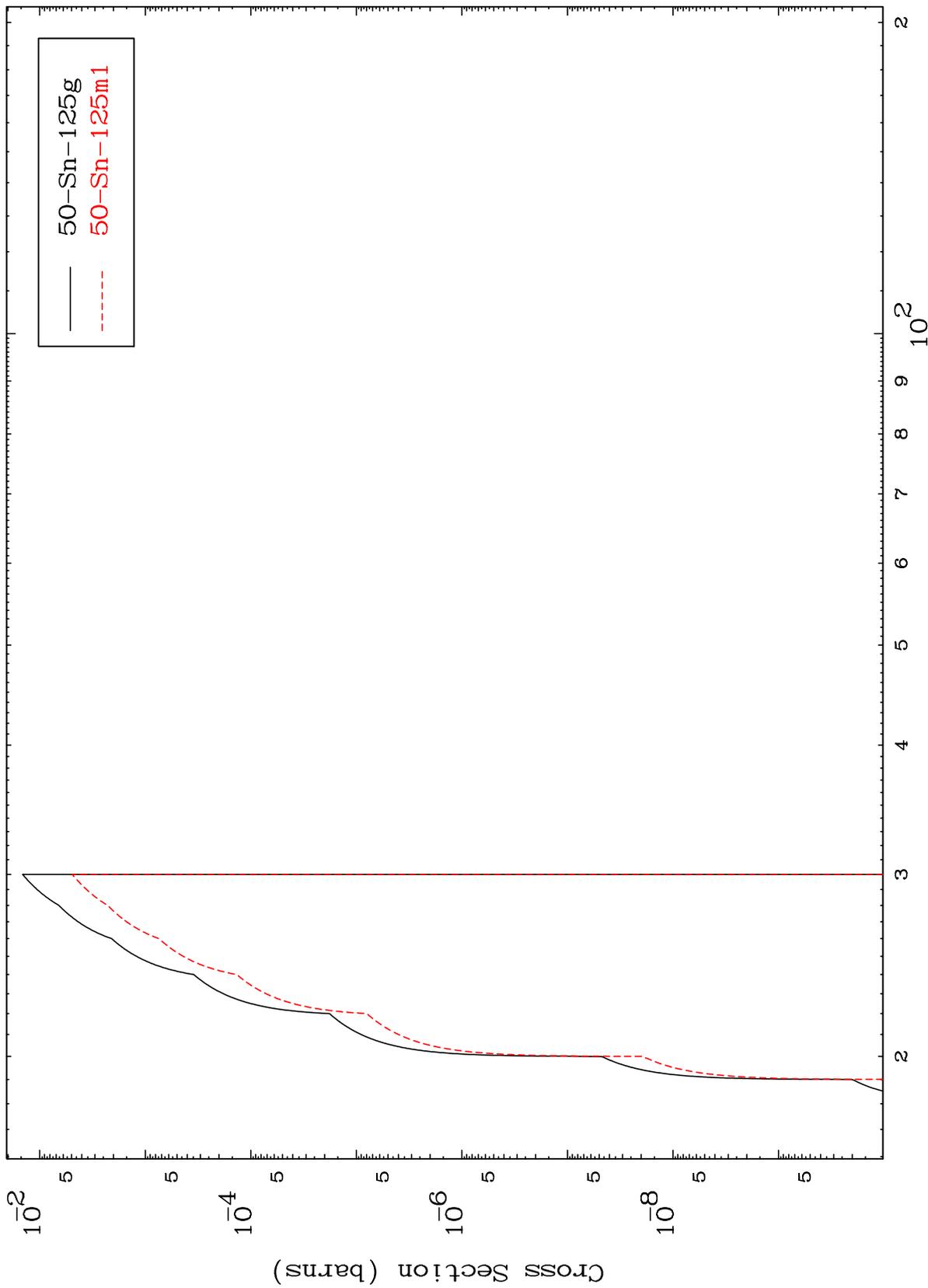


MAT 4958

(n,2n) p

49-In-124

Radionuclide Production Cross Section



18

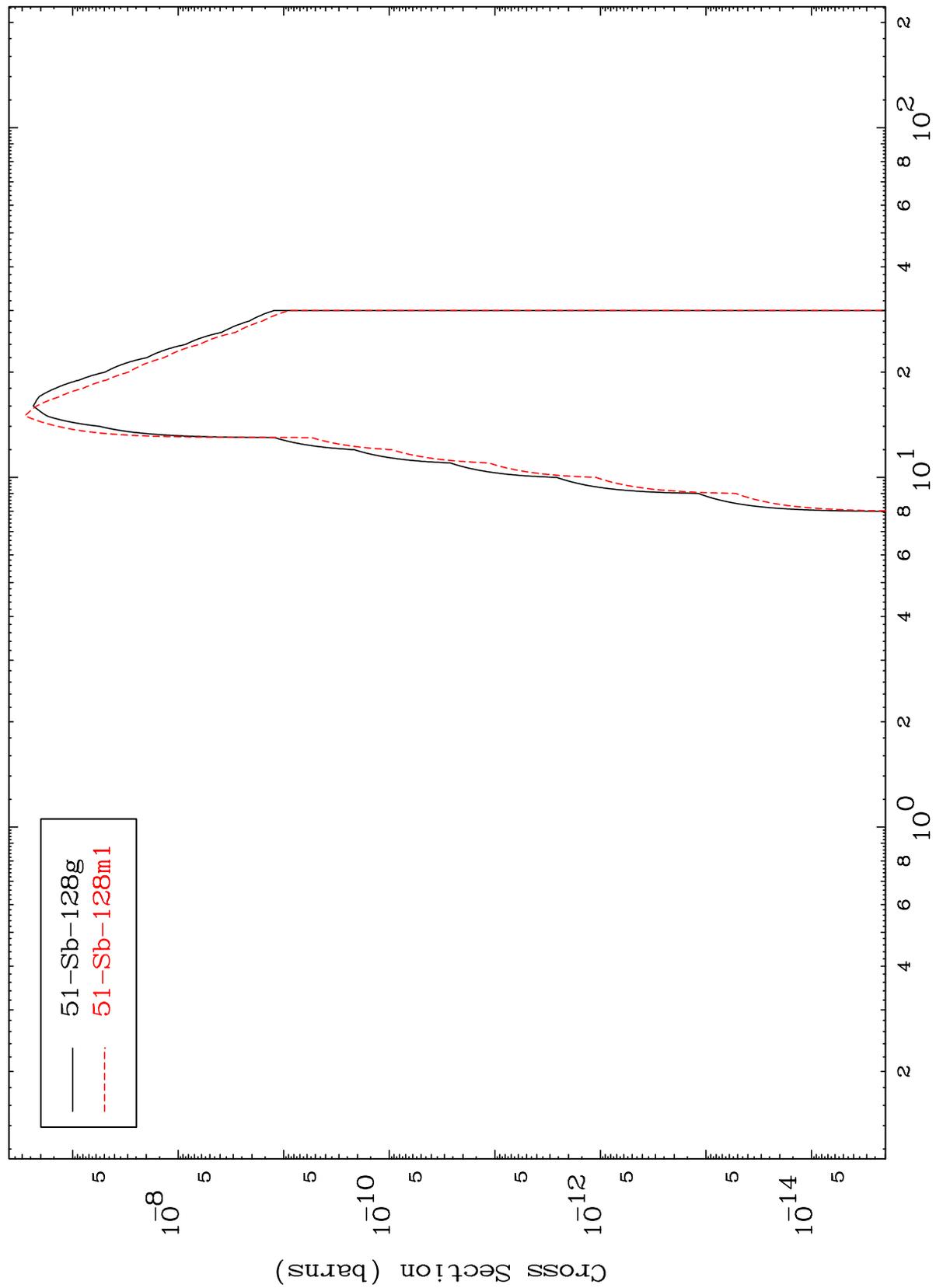
Incident Energy (MeV)

49-In-124

MAT 4958

49-In-124

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



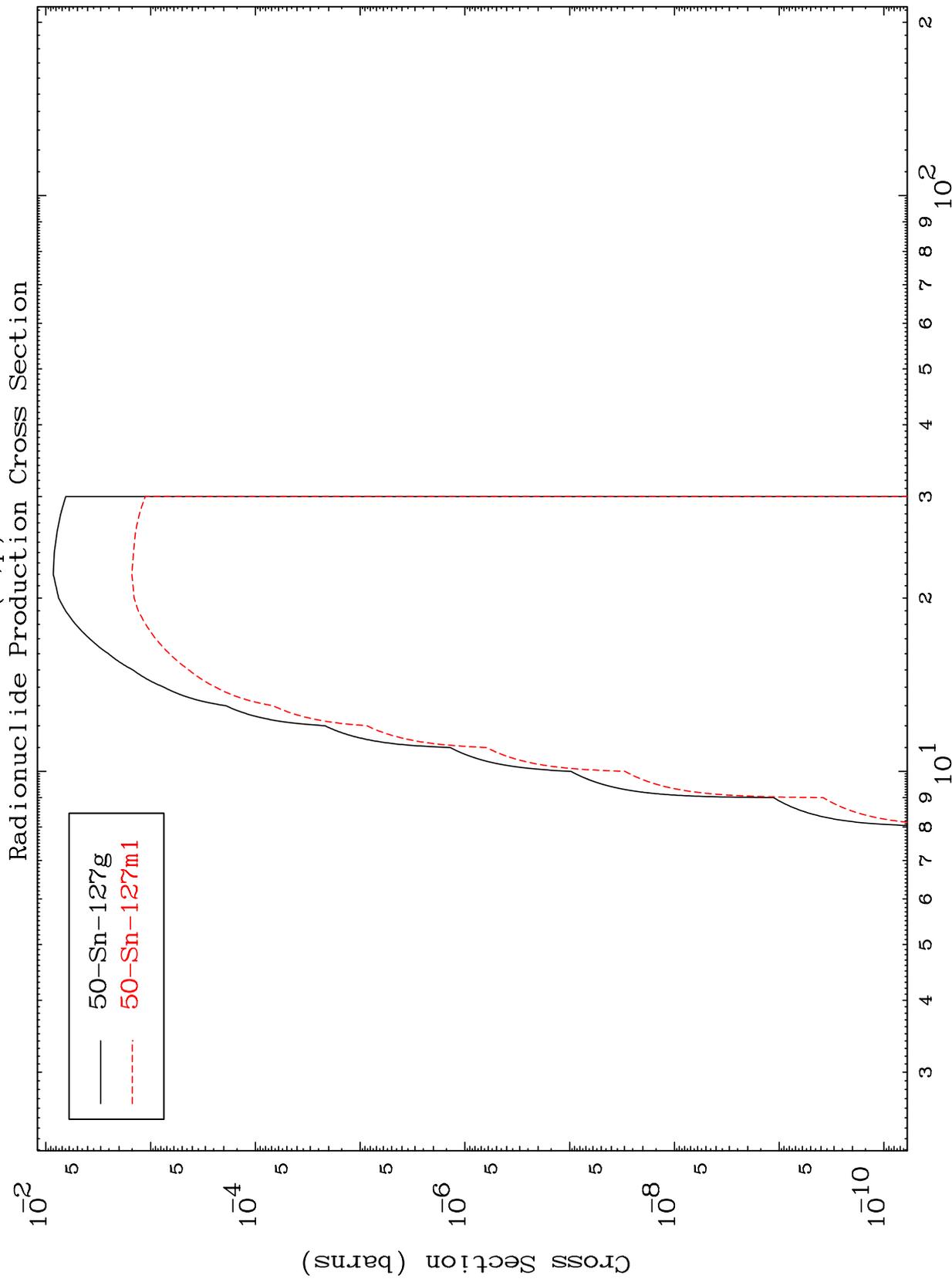
51-Sb-128g  
51-Sb-128m1

MAT 4958

49-In-124

Radionuclide Production Cross Section

(n,p)



— 50-Sn-127g  
- - - 50-Sn-127m1

Incident Energy (MeV)

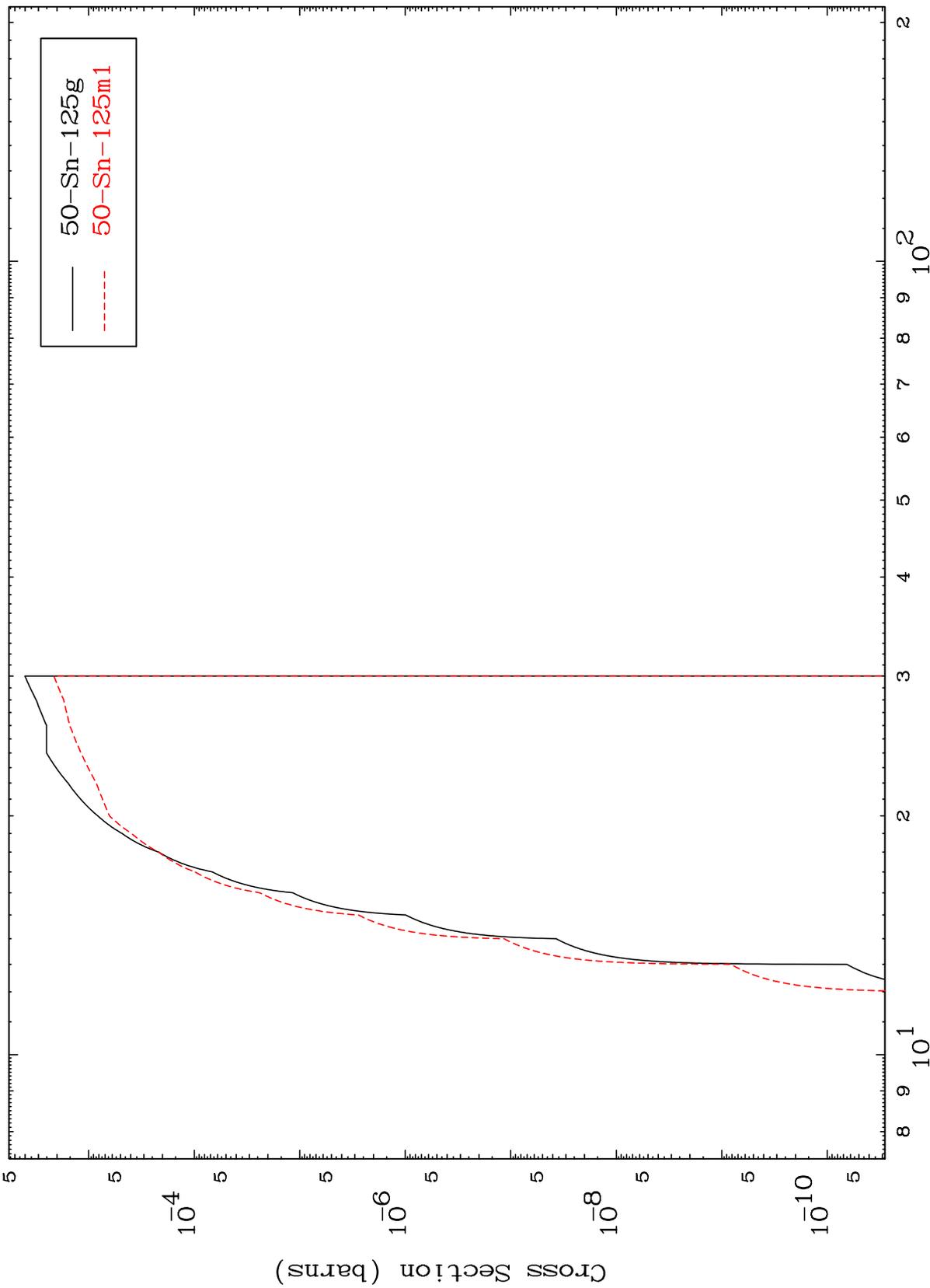
49-In-124

20

MAT 4958

49-In-124

(n, t)  
Radionuclide Production Cross Section



49-In-124

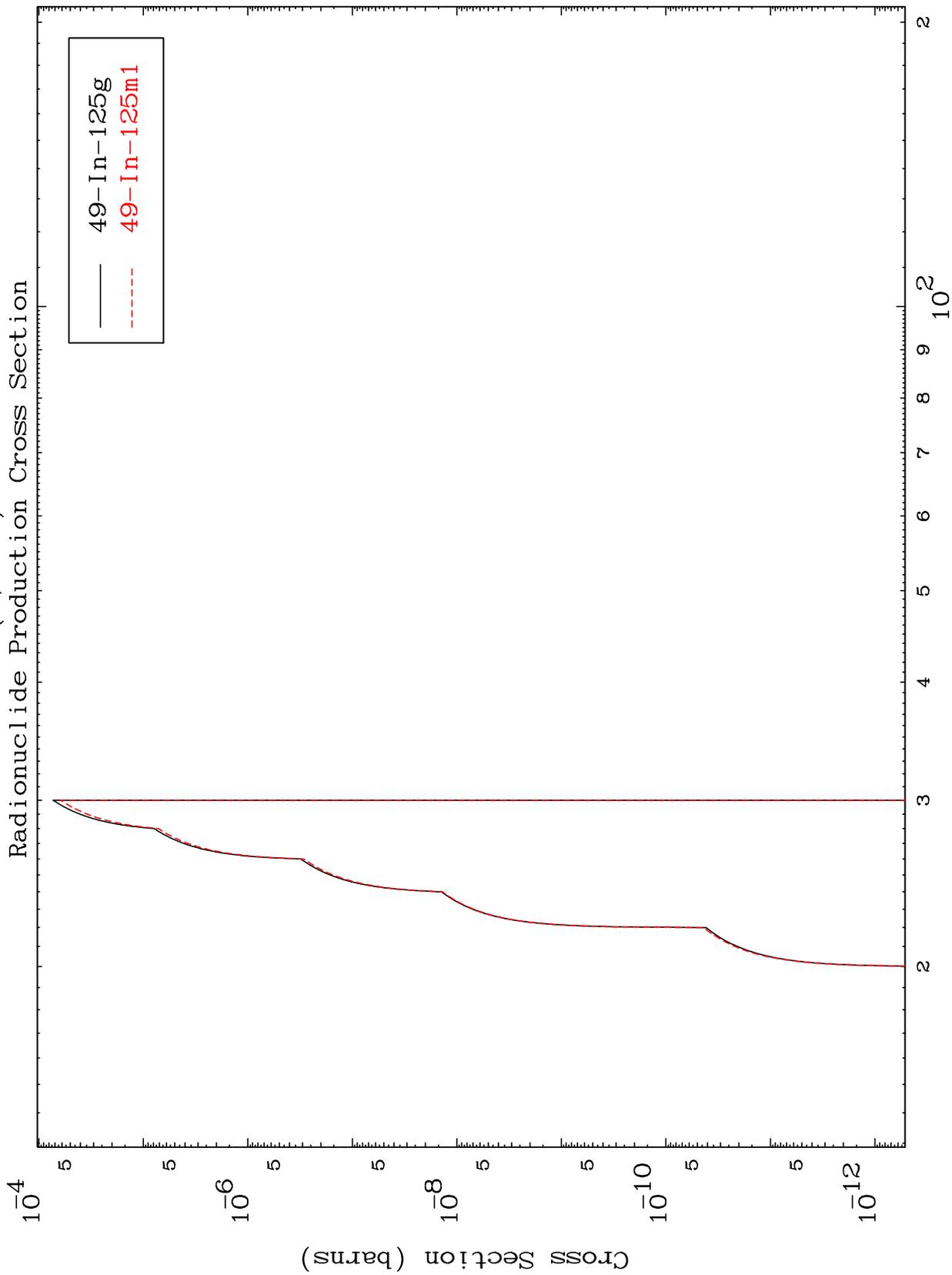
Incident Energy (MeV)

21

MAT 4958

49-In-124

(n,He-3)  
Radionuclide Production Cross Section

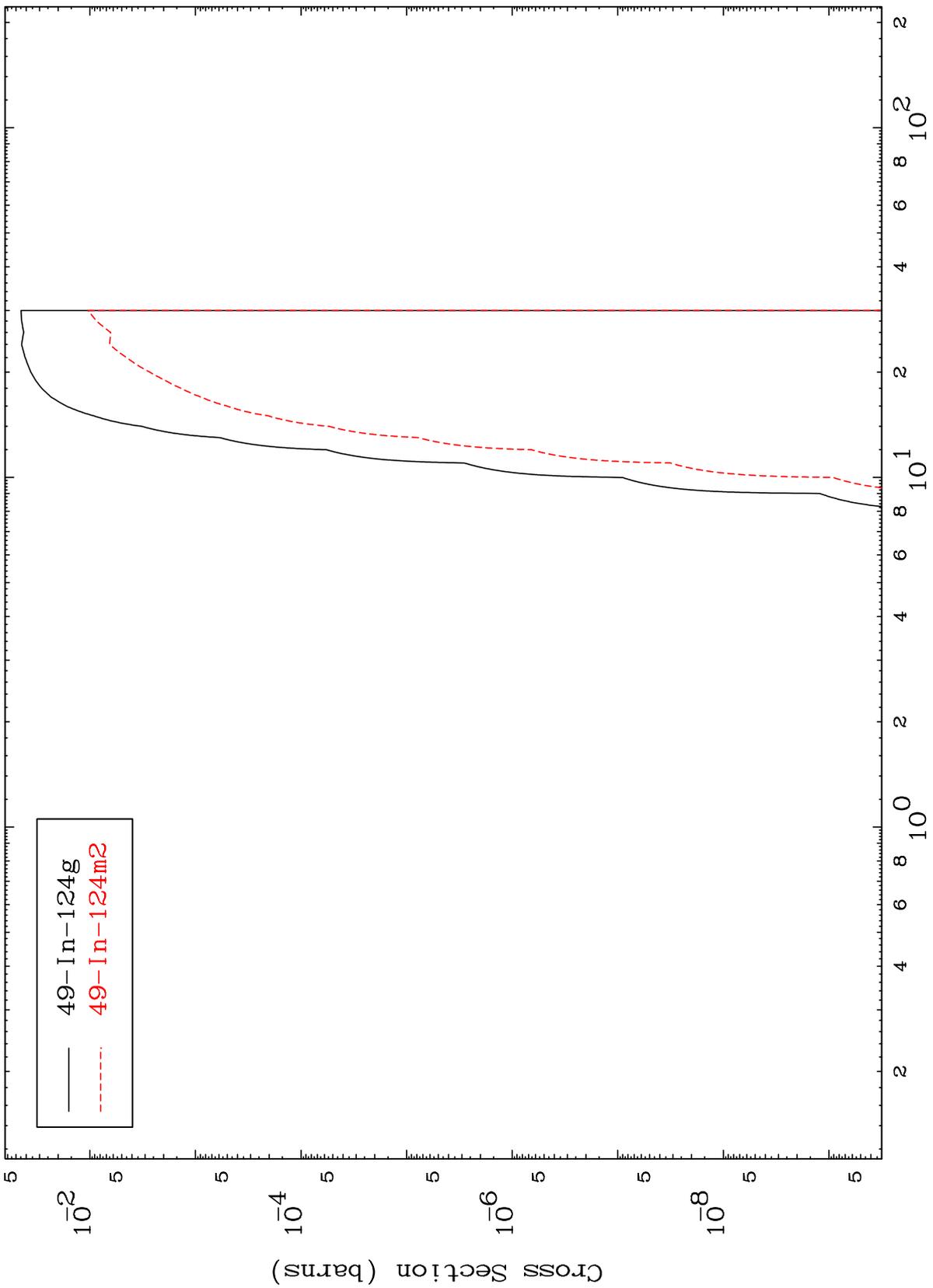


MAT 4958

49-In-124

(n,  $\alpha$ )

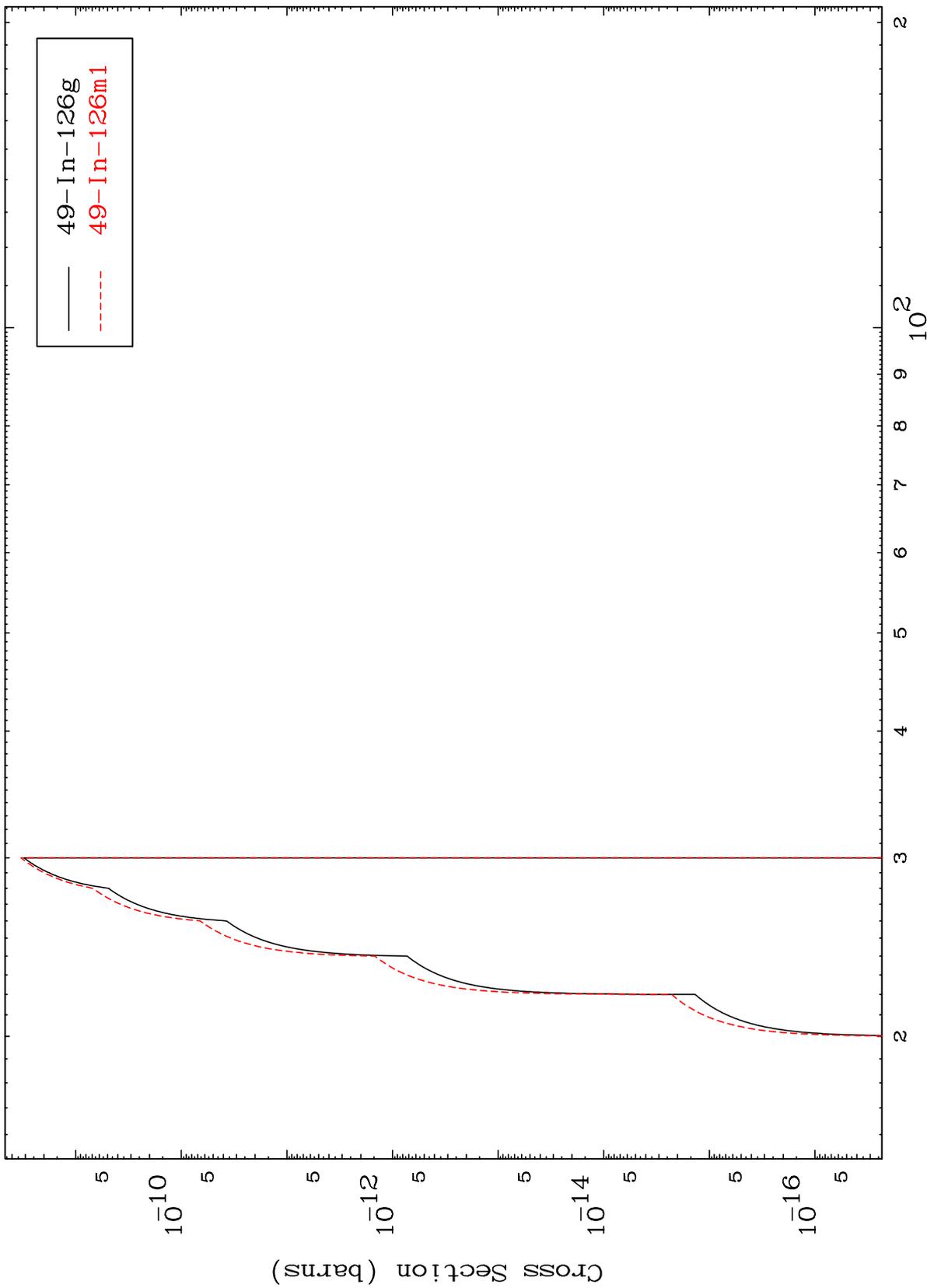
Radionuclide Production Cross Section



MAT 4958

49-In-124

(n,2p)  
Radionuclide Production Cross Section



24

49-In-124

Incident Energy (MeV)