

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

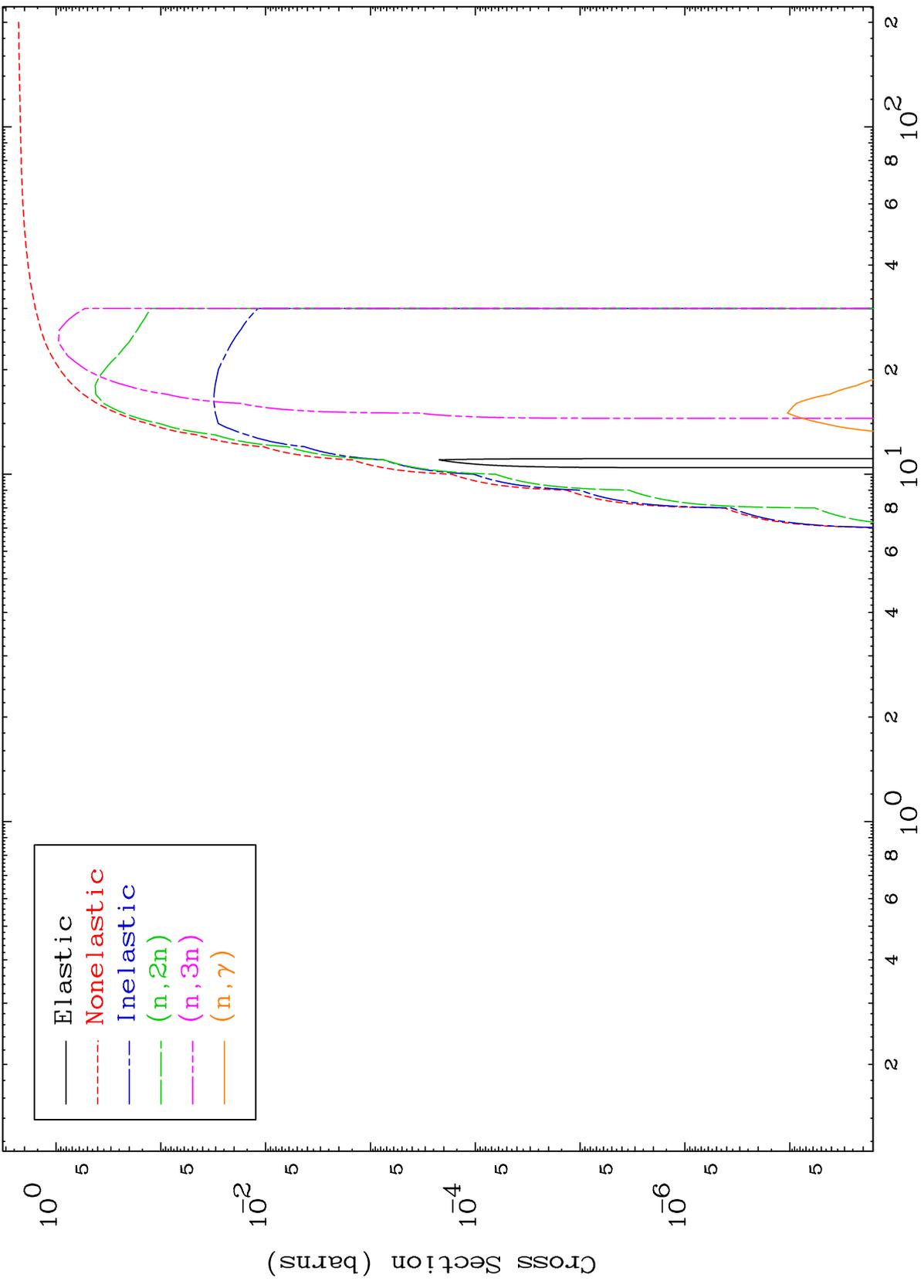
Press Mouse Button to Start

MAT 4967

$\alpha$  Major

49-In-127

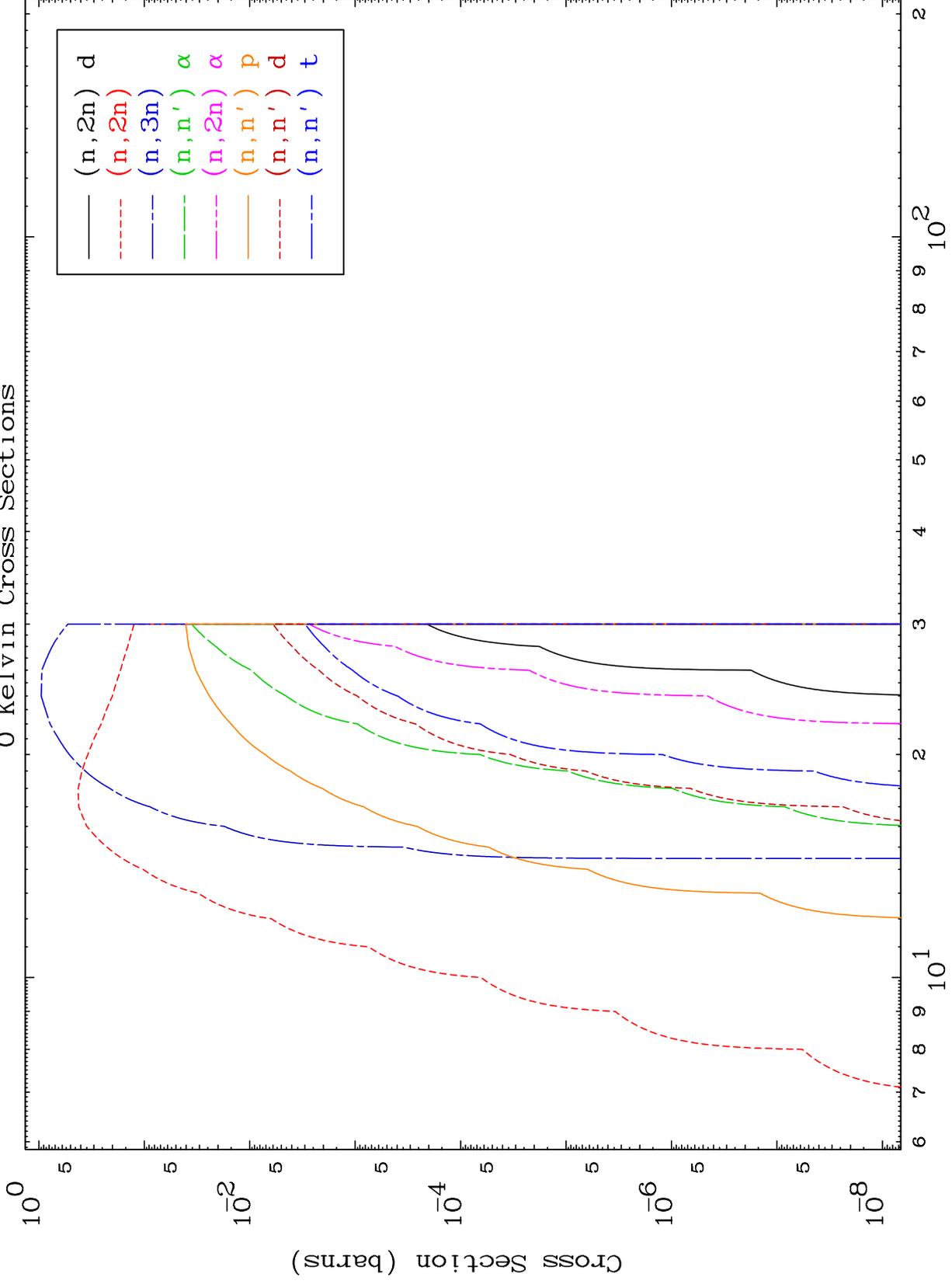
0 Kelvin Cross Sections



MAT 4967

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

49-In-127



2

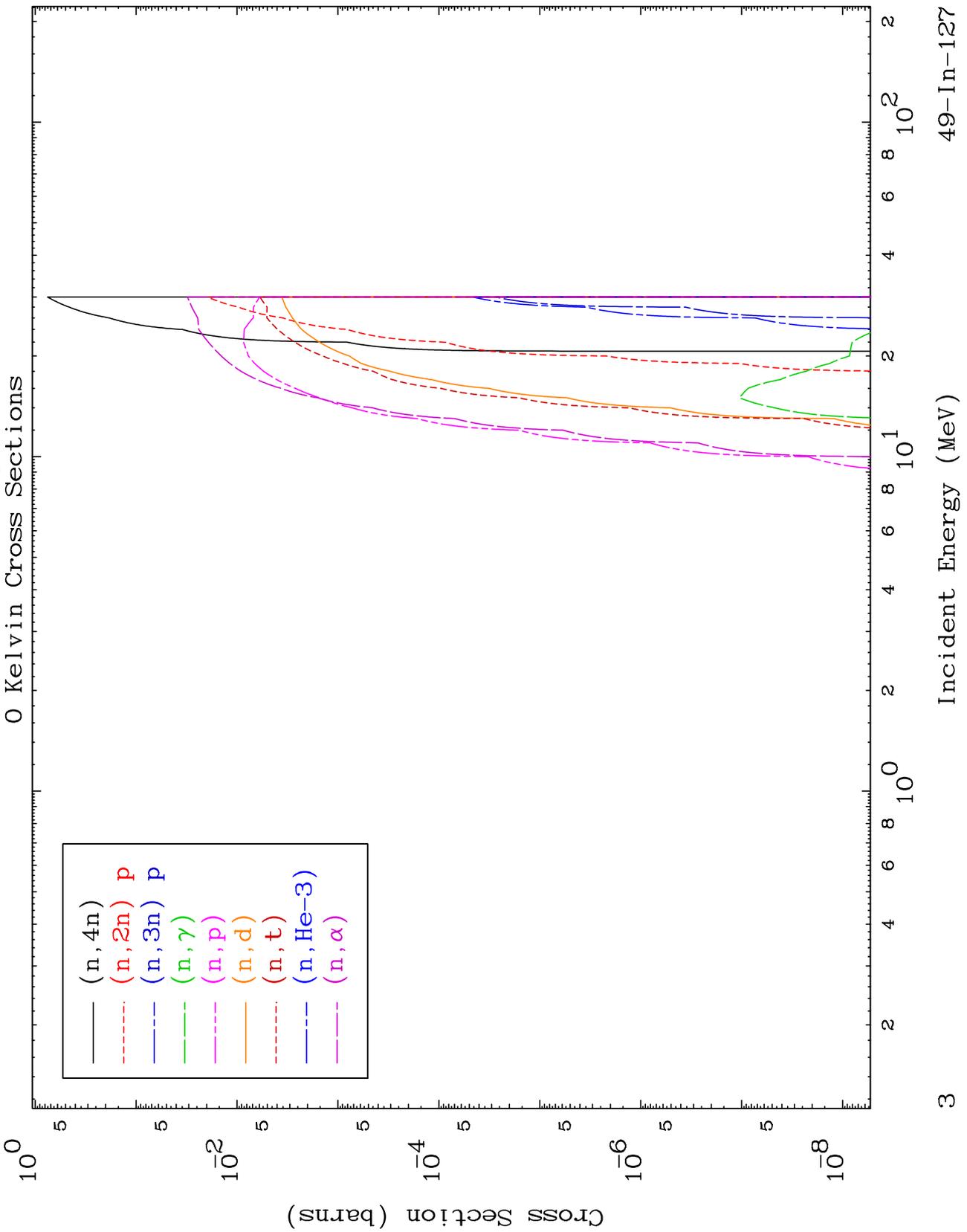
Incident Energy (MeV)

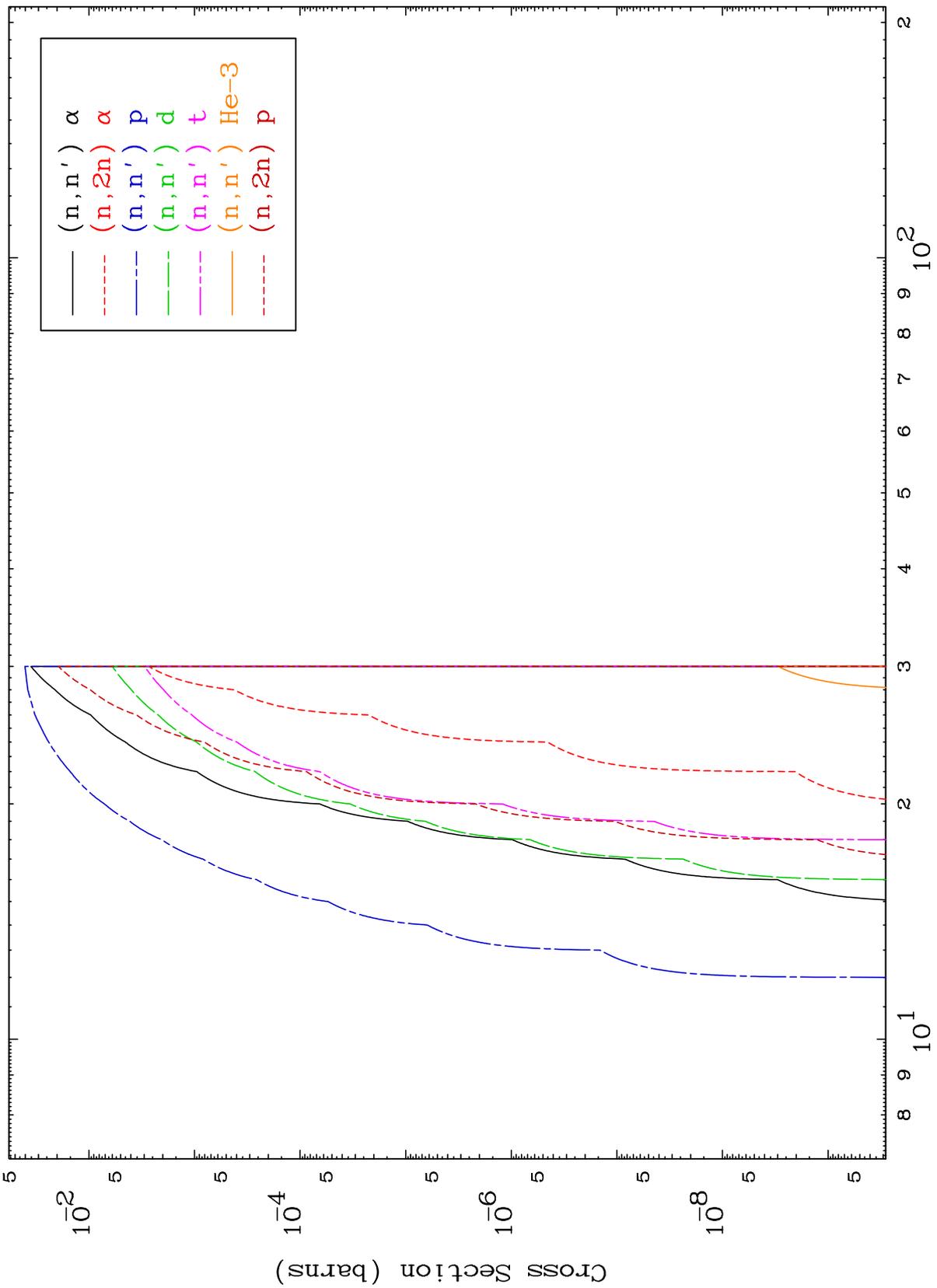
49-In-127

MAT 4967

$\alpha$  Neutron Absorption

49-In-127



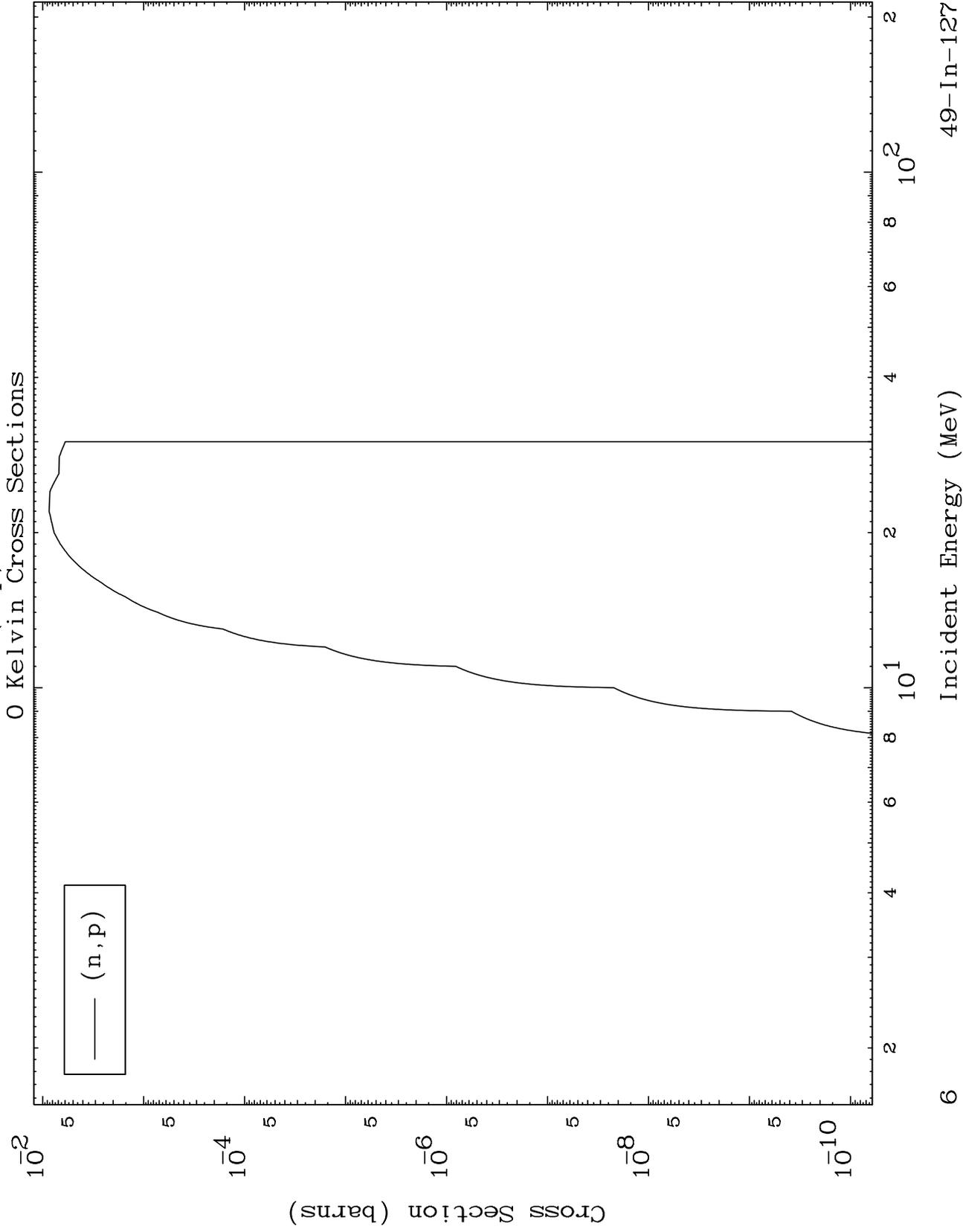




MAT 4967

( $\alpha, p$ ) Levels

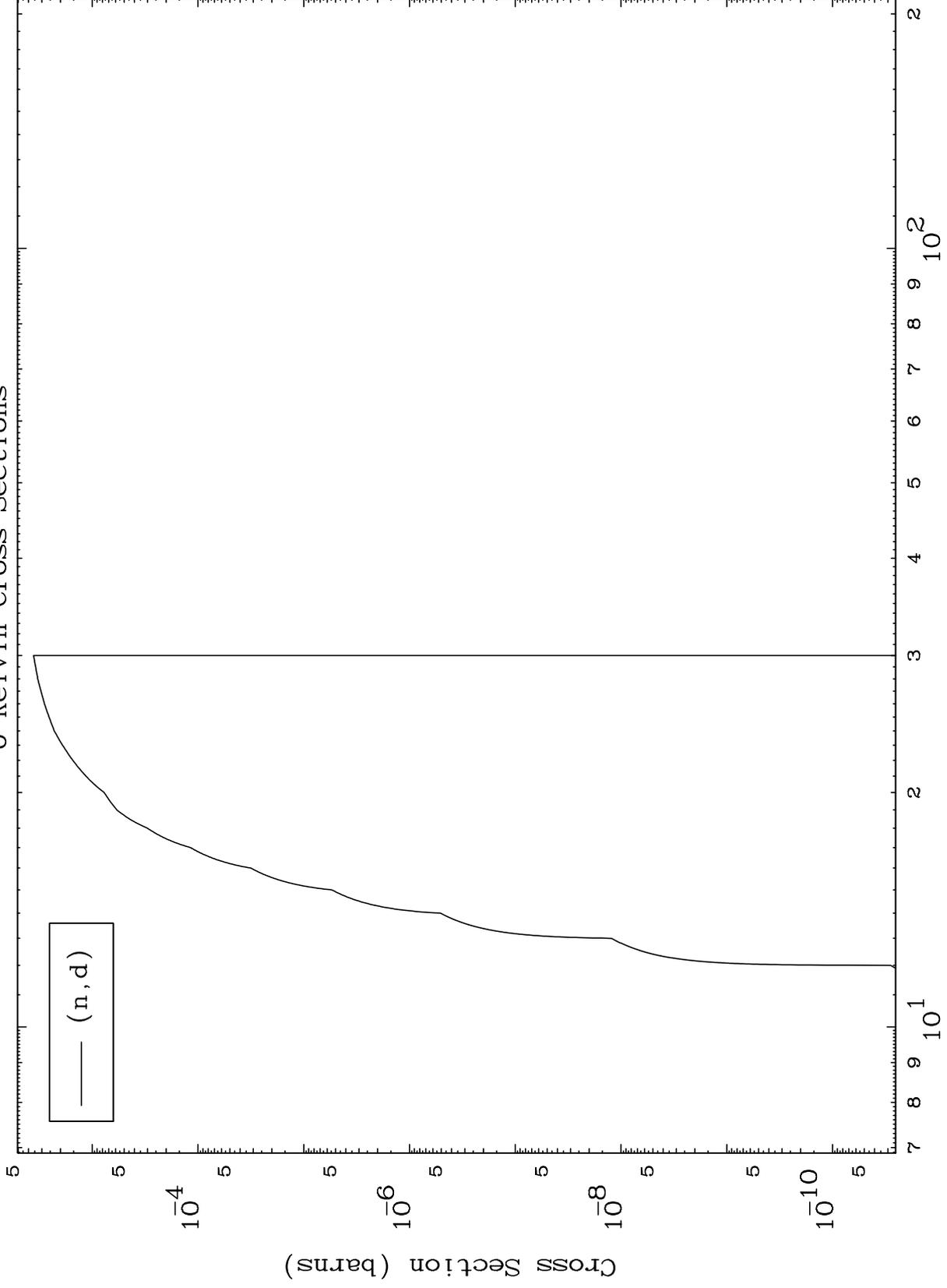
49-In-127



MAT 4967

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

49-In-127



Incident Energy (MeV)

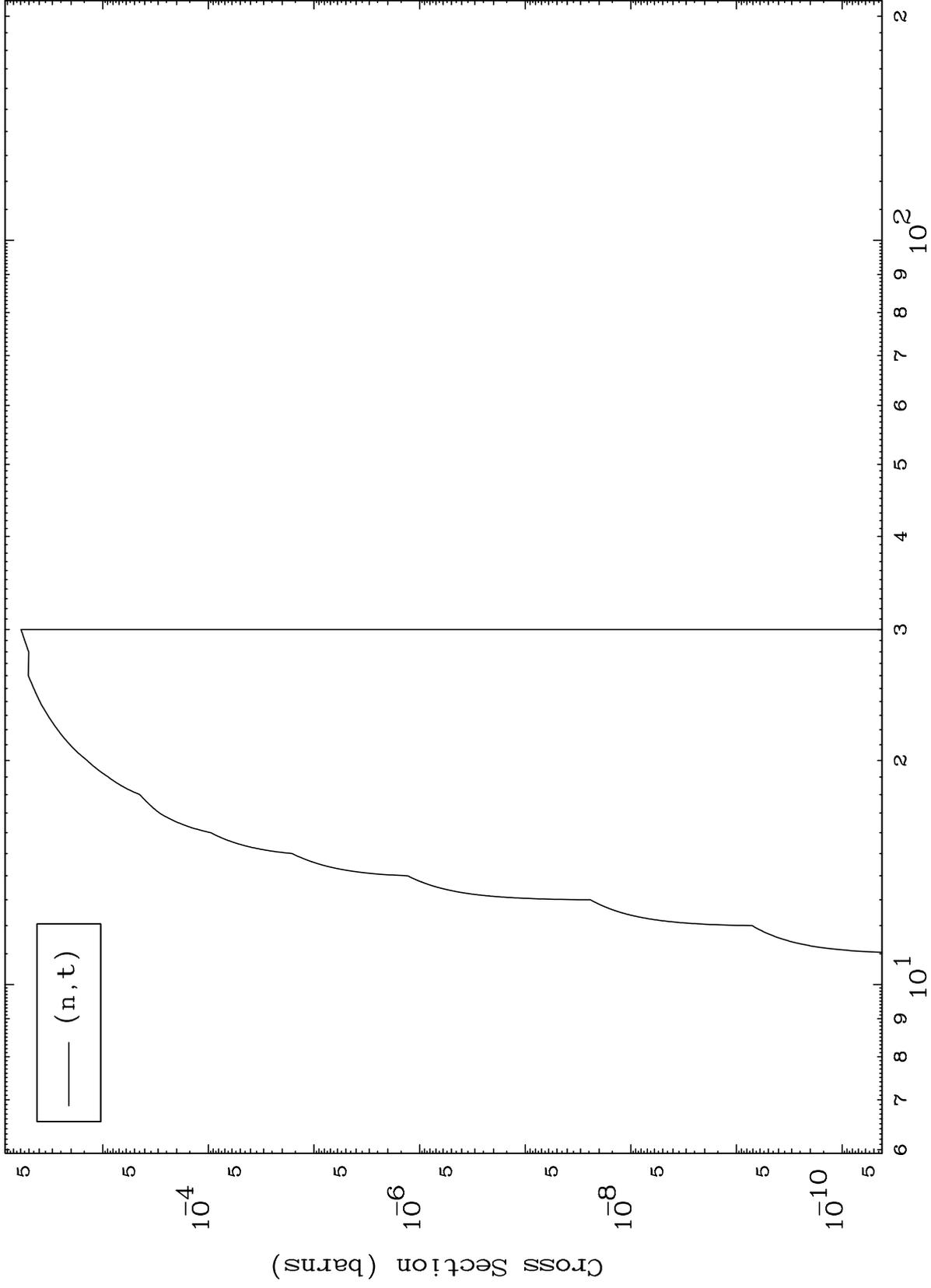
49-In-127

7

MAT 4967

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

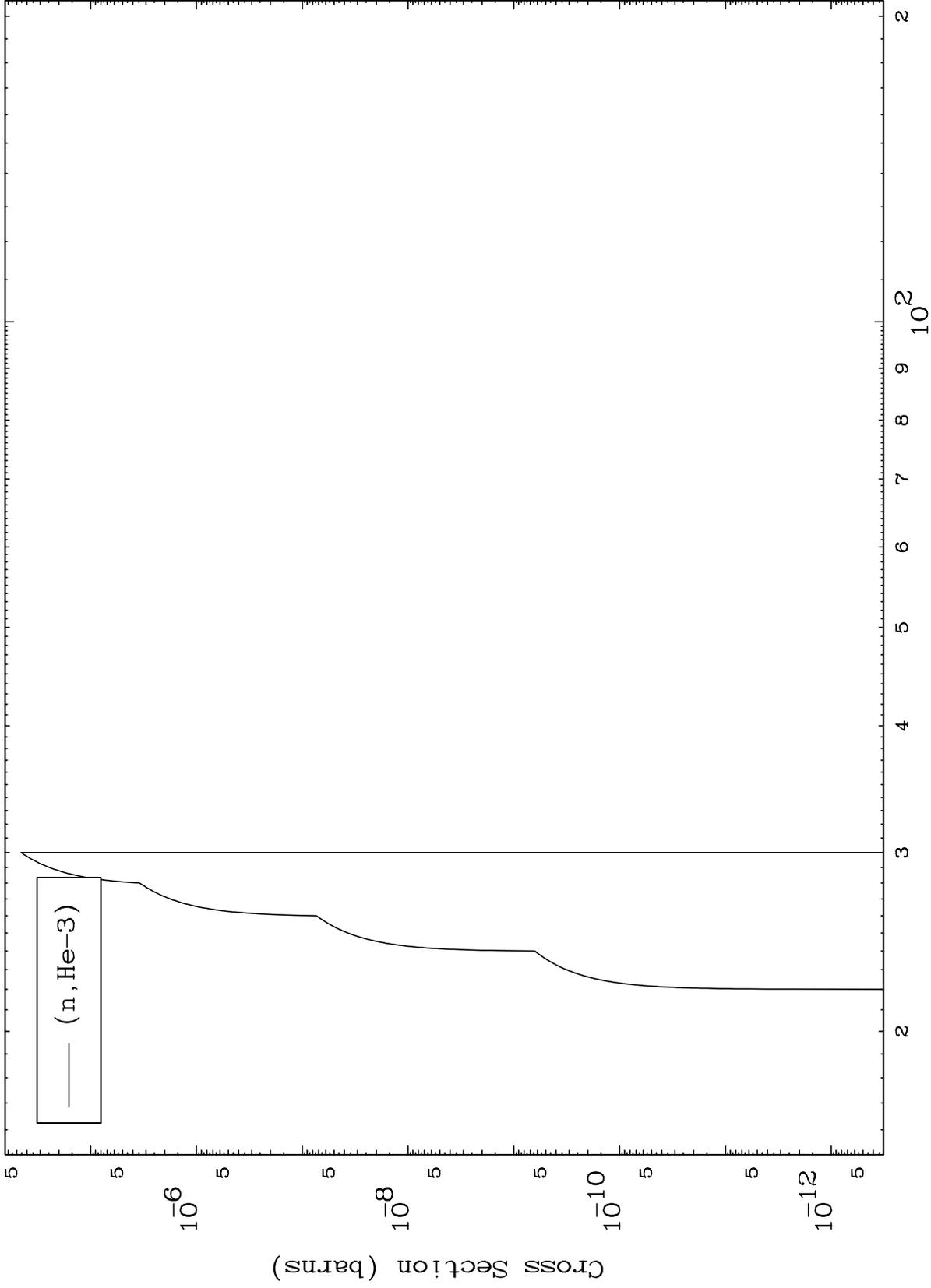
49-In-127



8

Incident Energy (MeV)

49-In-127

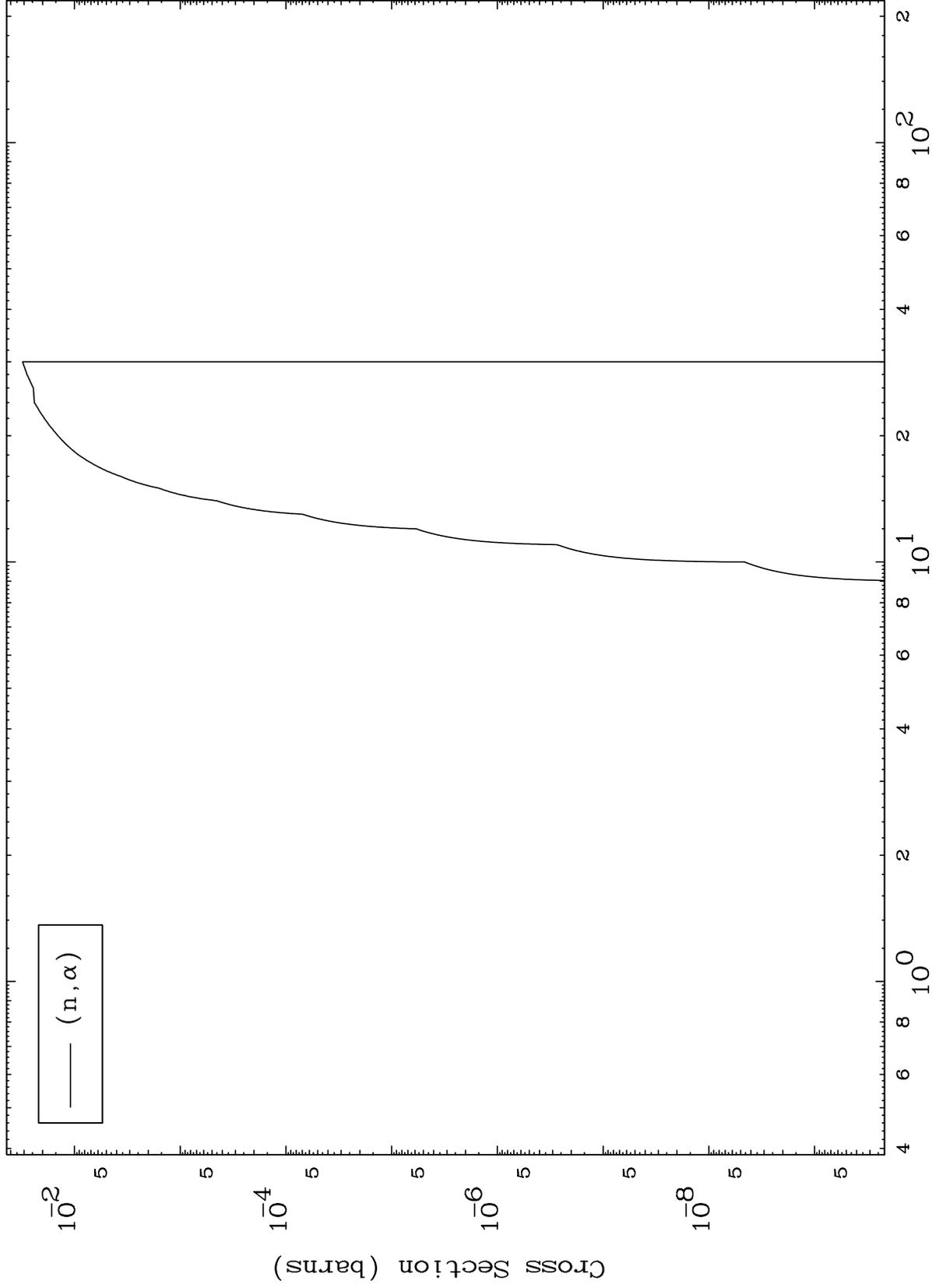


MAT 4967

( $\alpha, \alpha$ ) Levels

49-In-127

0 Kelvin Cross Sections



(n,  $\alpha$ )

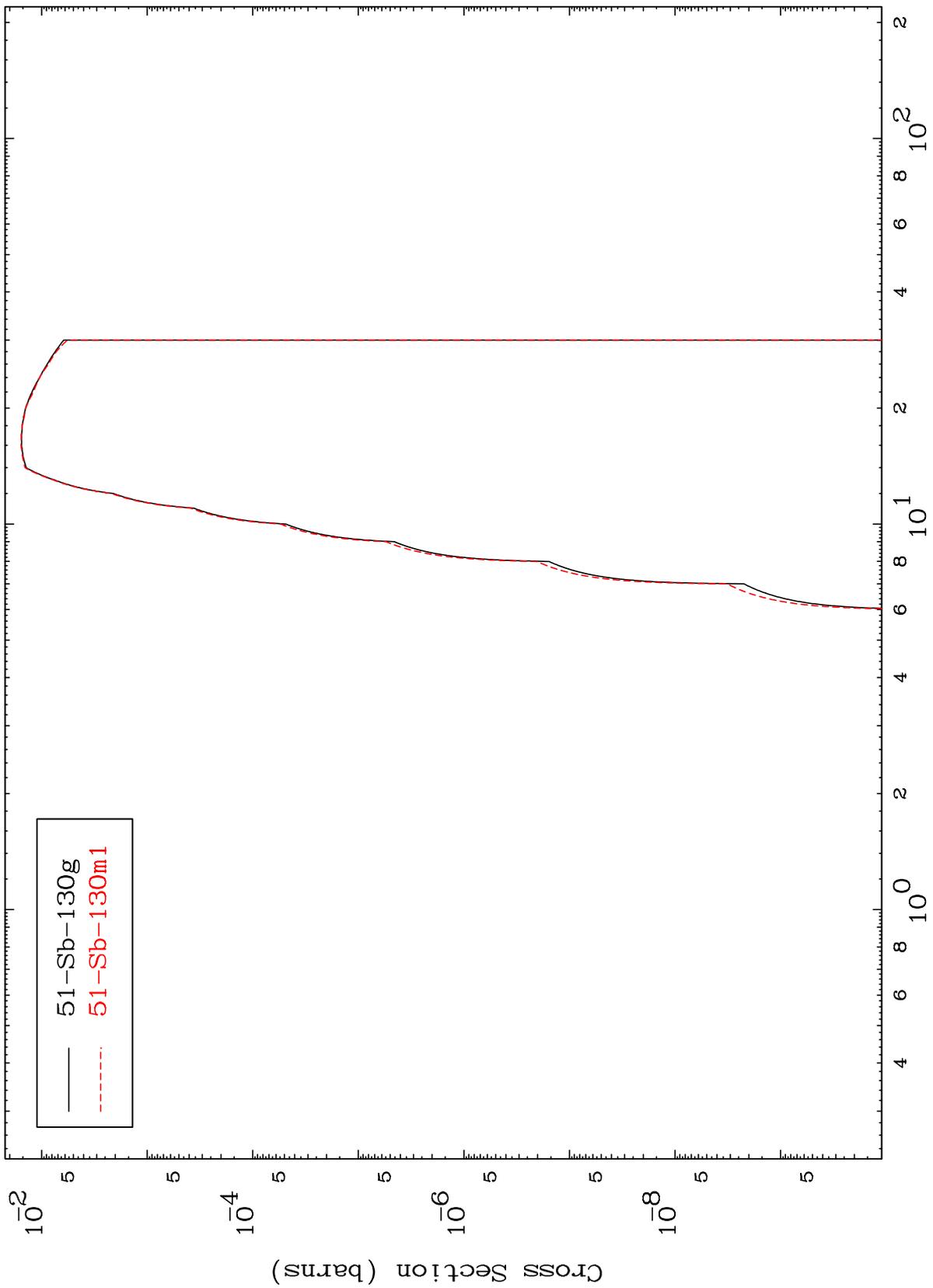
Incident Energy (MeV)

49-In-127

MAT 4967

49-In-127

Inelastic  
Radionuclide Production Cross Section



51-Sb-130g  
51-Sb-130m1

49-In-127

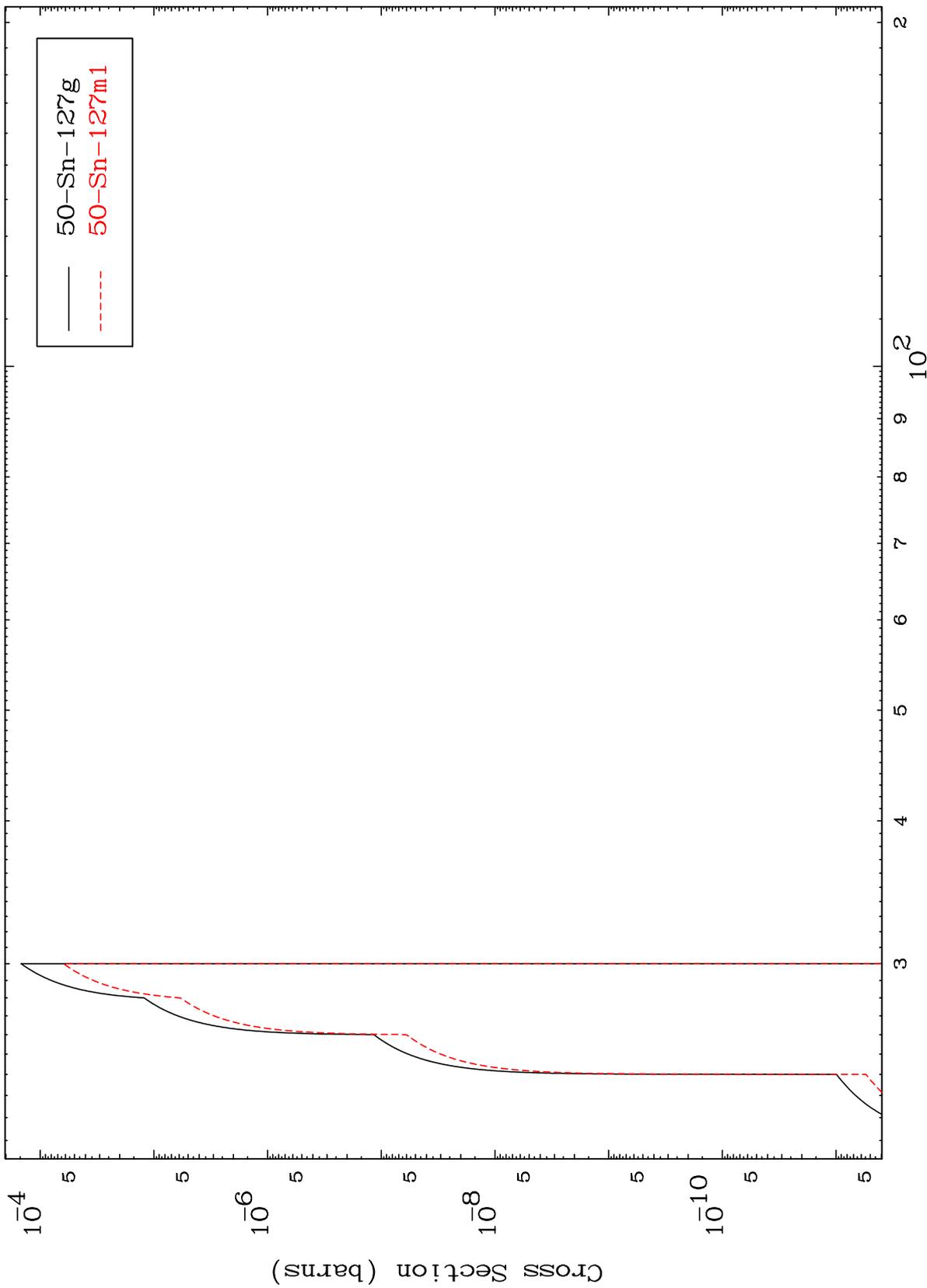
Incident Energy (MeV)

MAT 4967

(n,2n) d

49-In-127

Radionuclide Production Cross Section



12

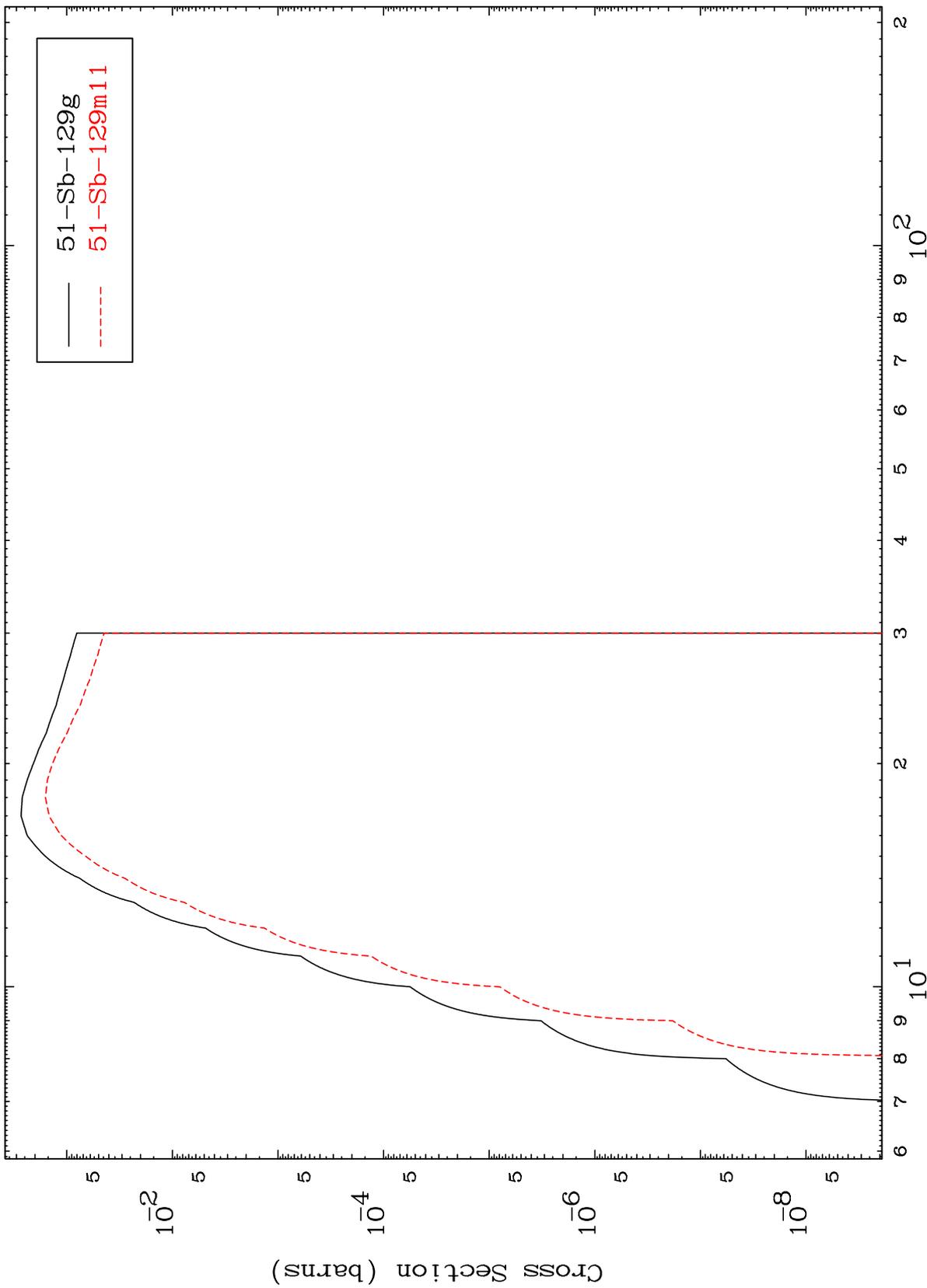
Incident Energy (MeV)

49-In-127

MAT 4967

49-In-127

Radionuclide Production Cross Section



49-In-127

Incident Energy (MeV)

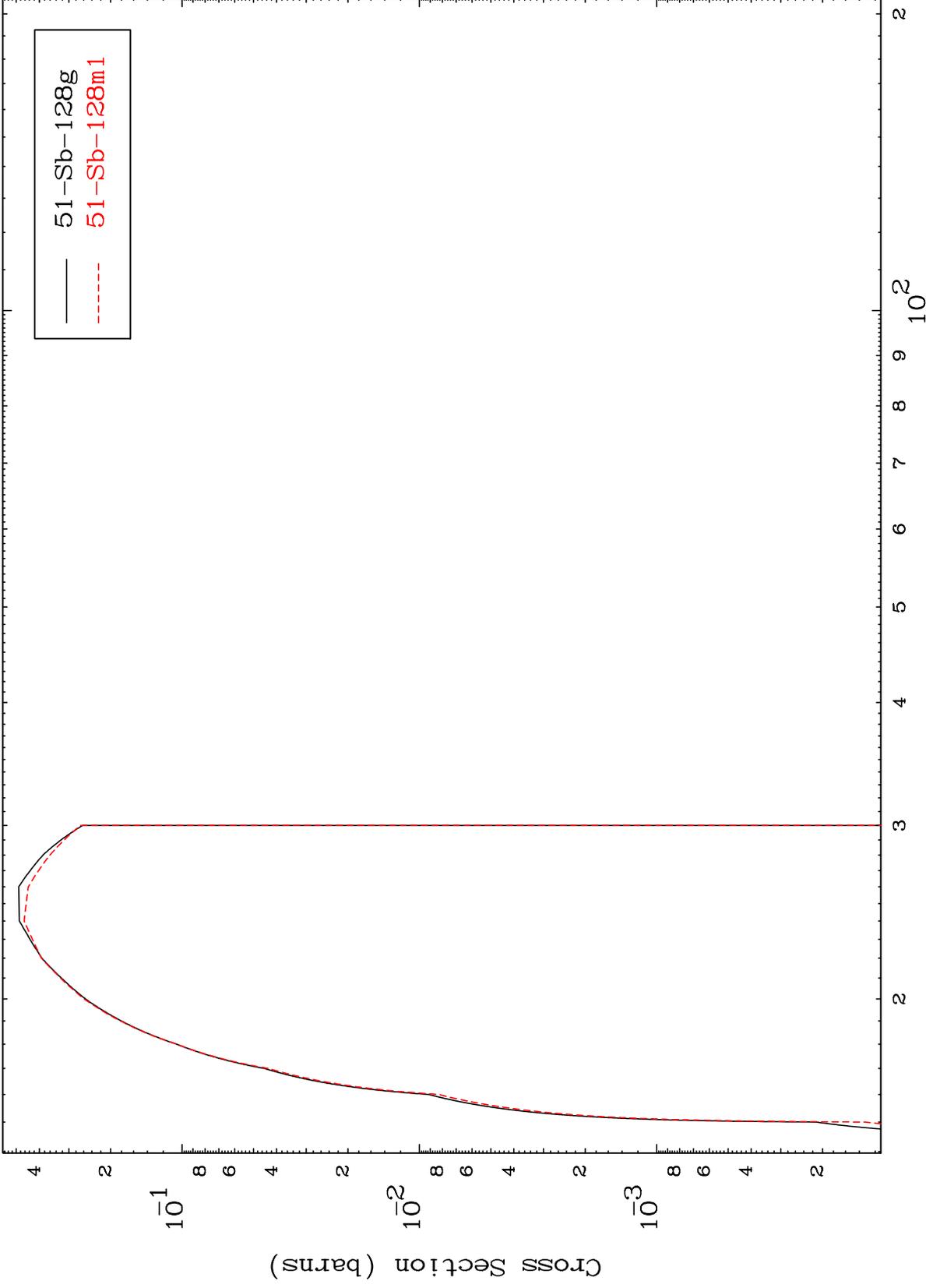
13

MAT 4967

(n,3n)

49-In-127

Radionuclide Production Cross Section



14

Incident Energy (MeV)

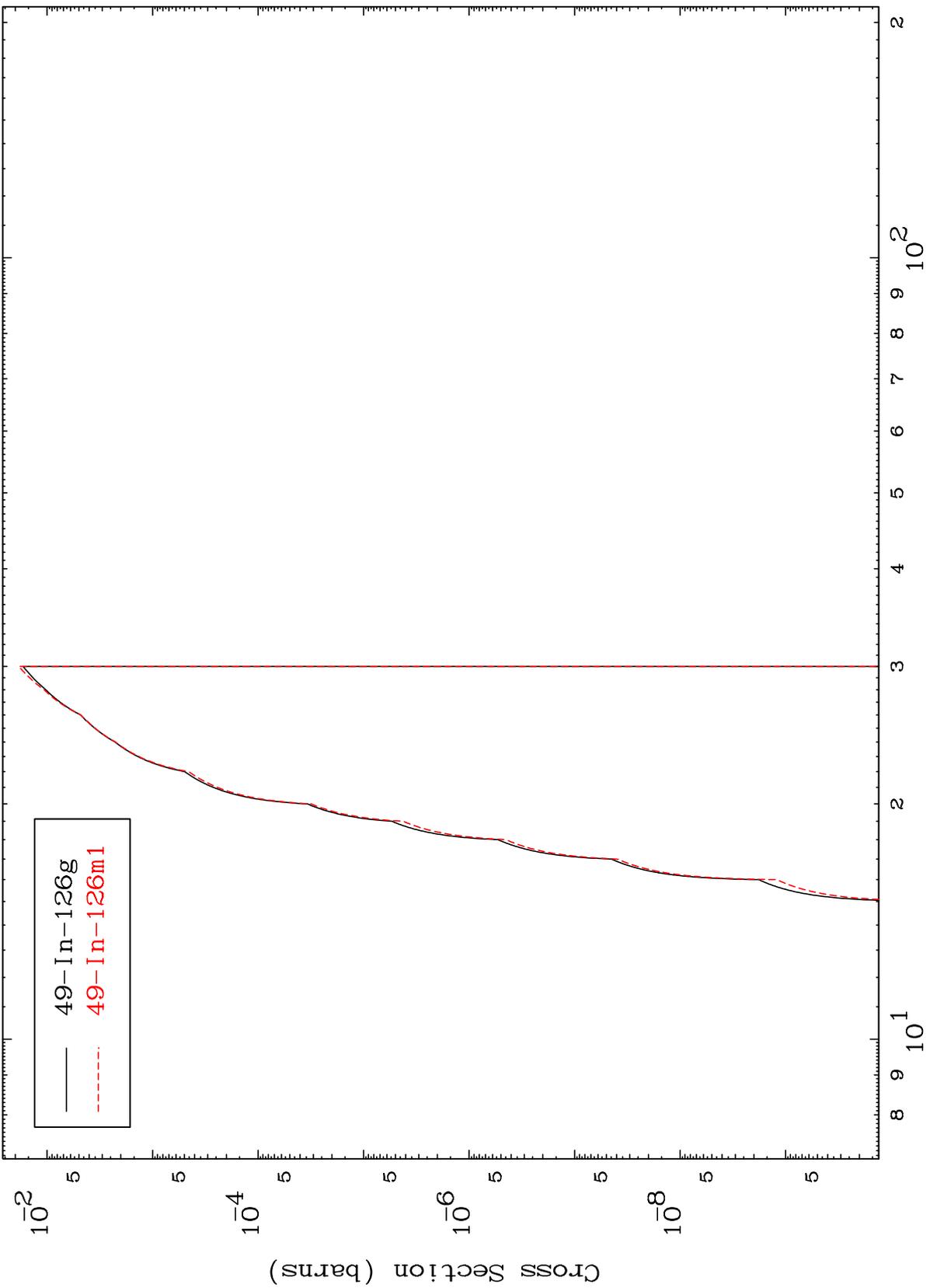
49-In-127

MAT 4967

(n,n')  $\alpha$

49-In-127

Radionuclide Production Cross Section



49-In-126g  
49-In-126m1

15

Incident Energy (MeV)

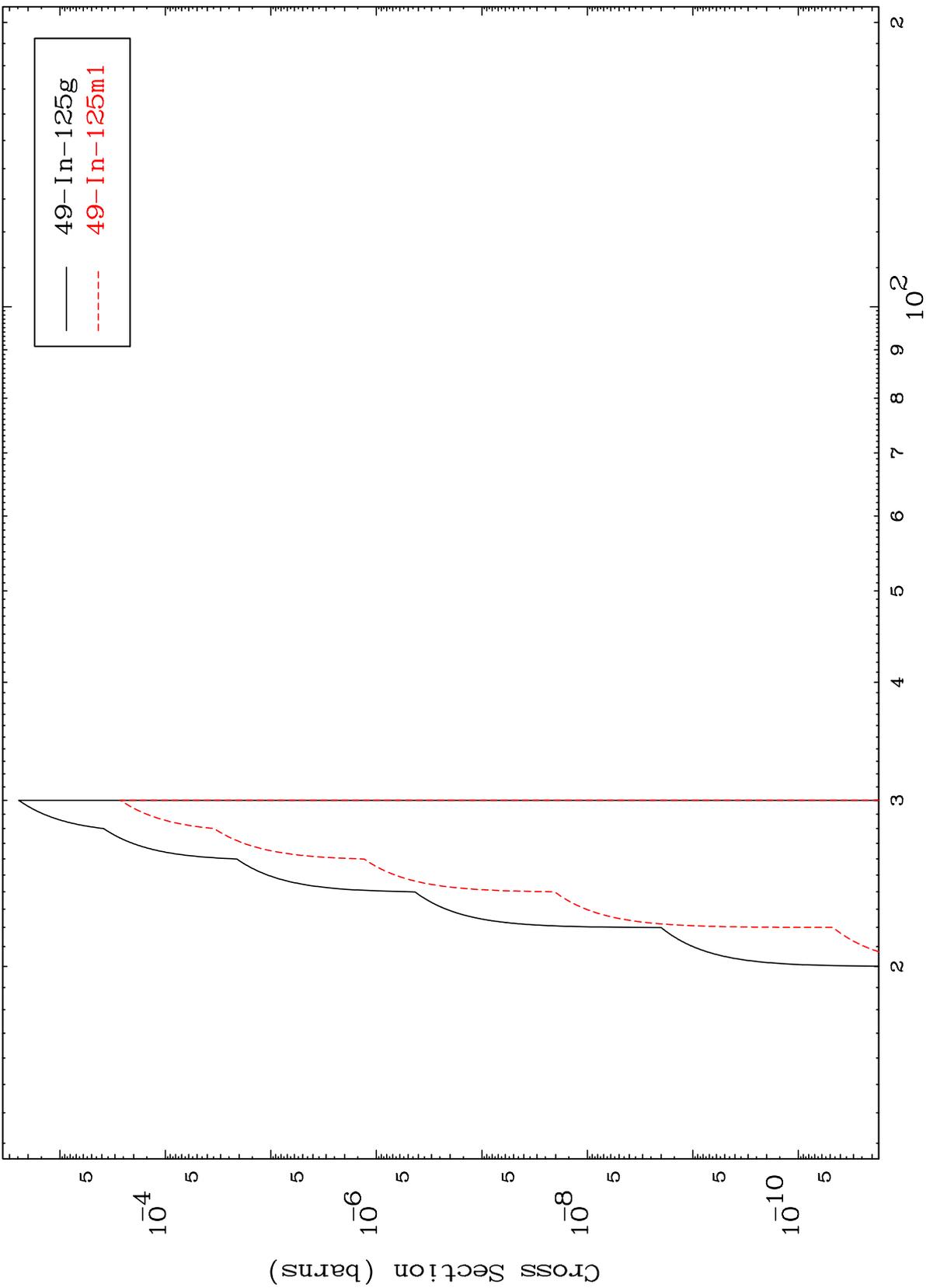
49-In-127

MAT 4967

(n,2n)  $\alpha$

49-In-127

Radionuclide Production Cross Section



49-In-125g  
49-In-125m1

16

Incident Energy (MeV)

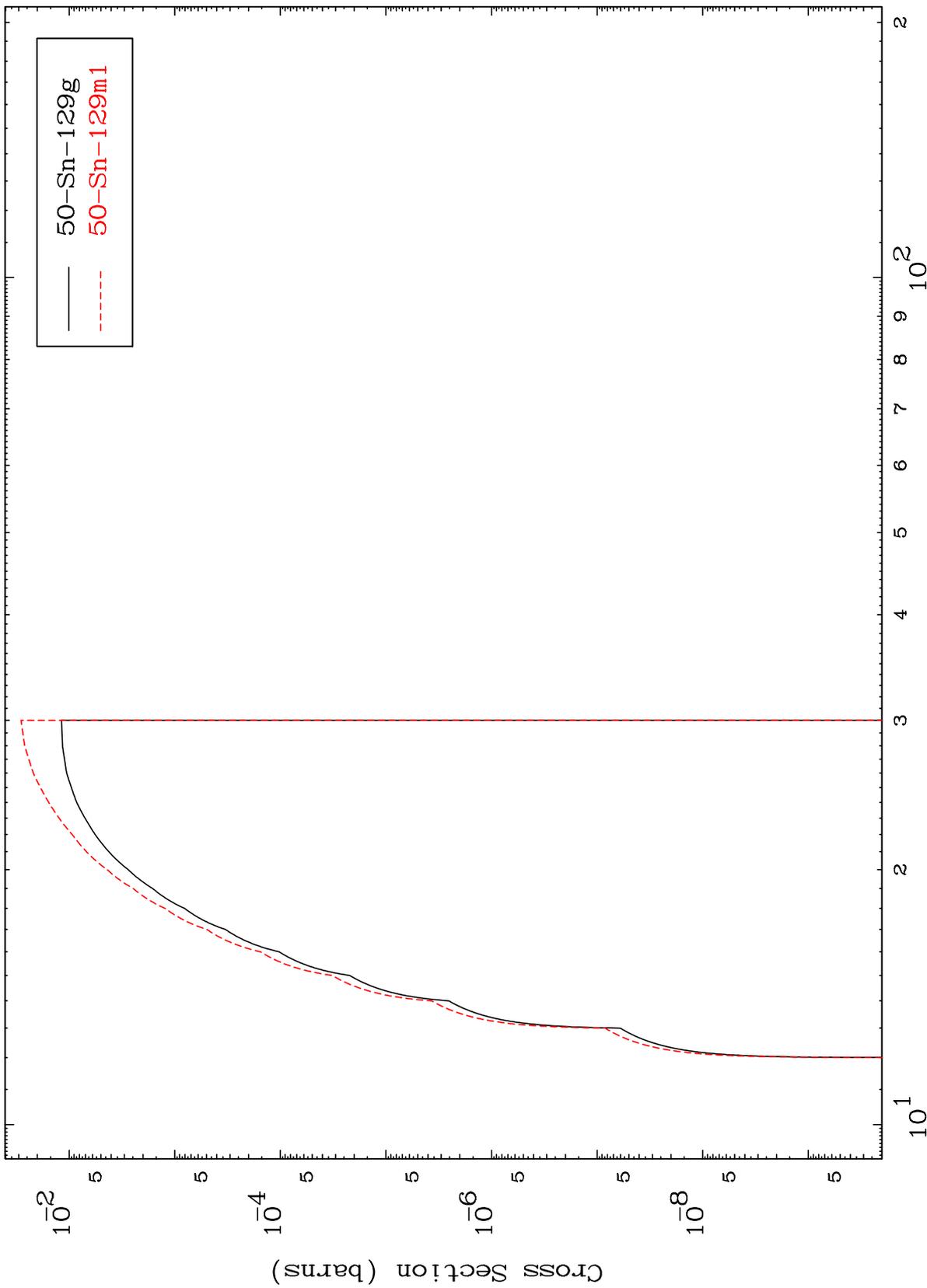
49-In-127

MAT 4967

(n,n') p

49-In-127

Radionuclide Production Cross Section



17

Incident Energy (MeV)

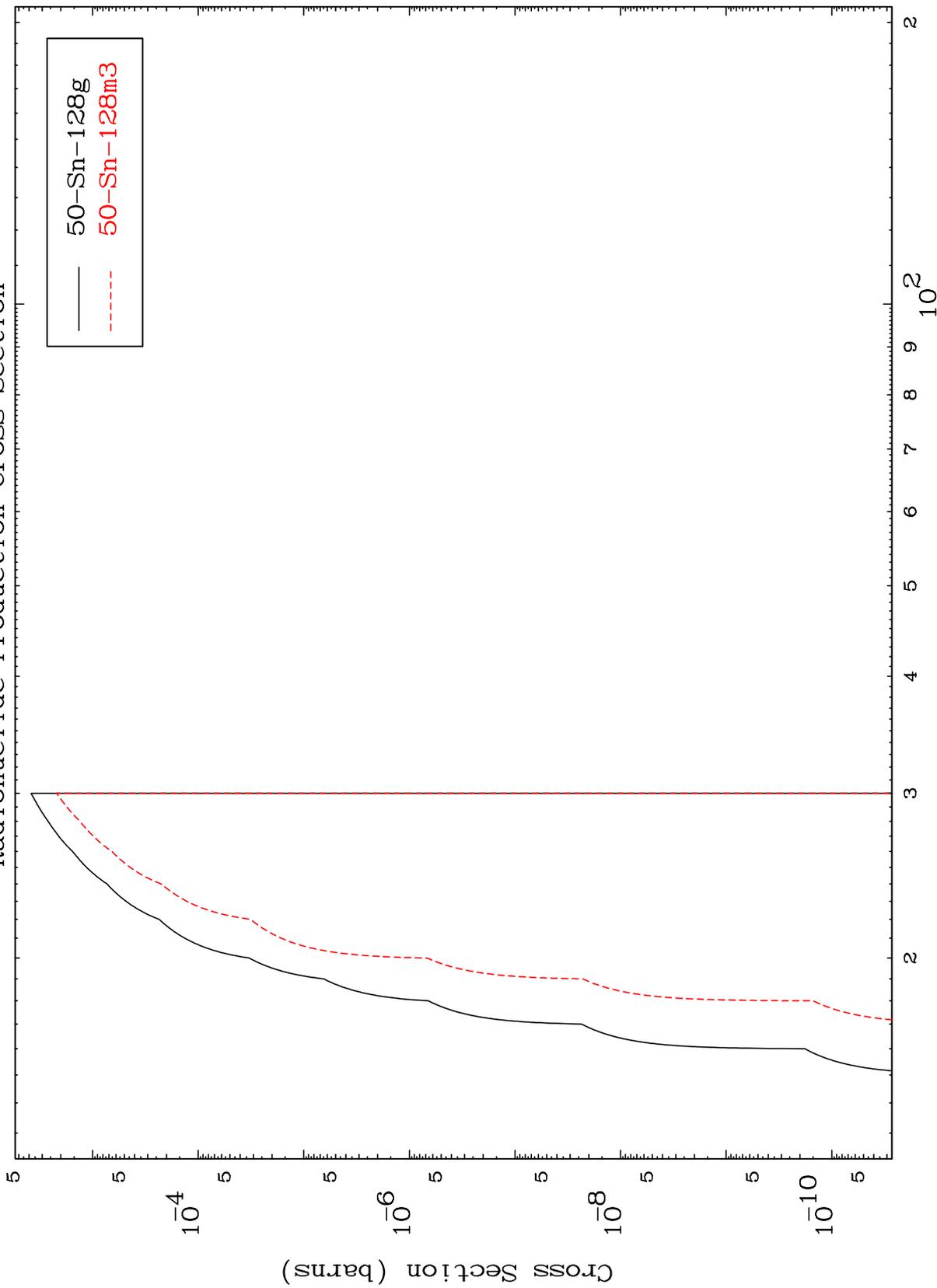
49-In-127

MAT 4967

(n,n') d

49-In-127

Radionuclide Production Cross Section



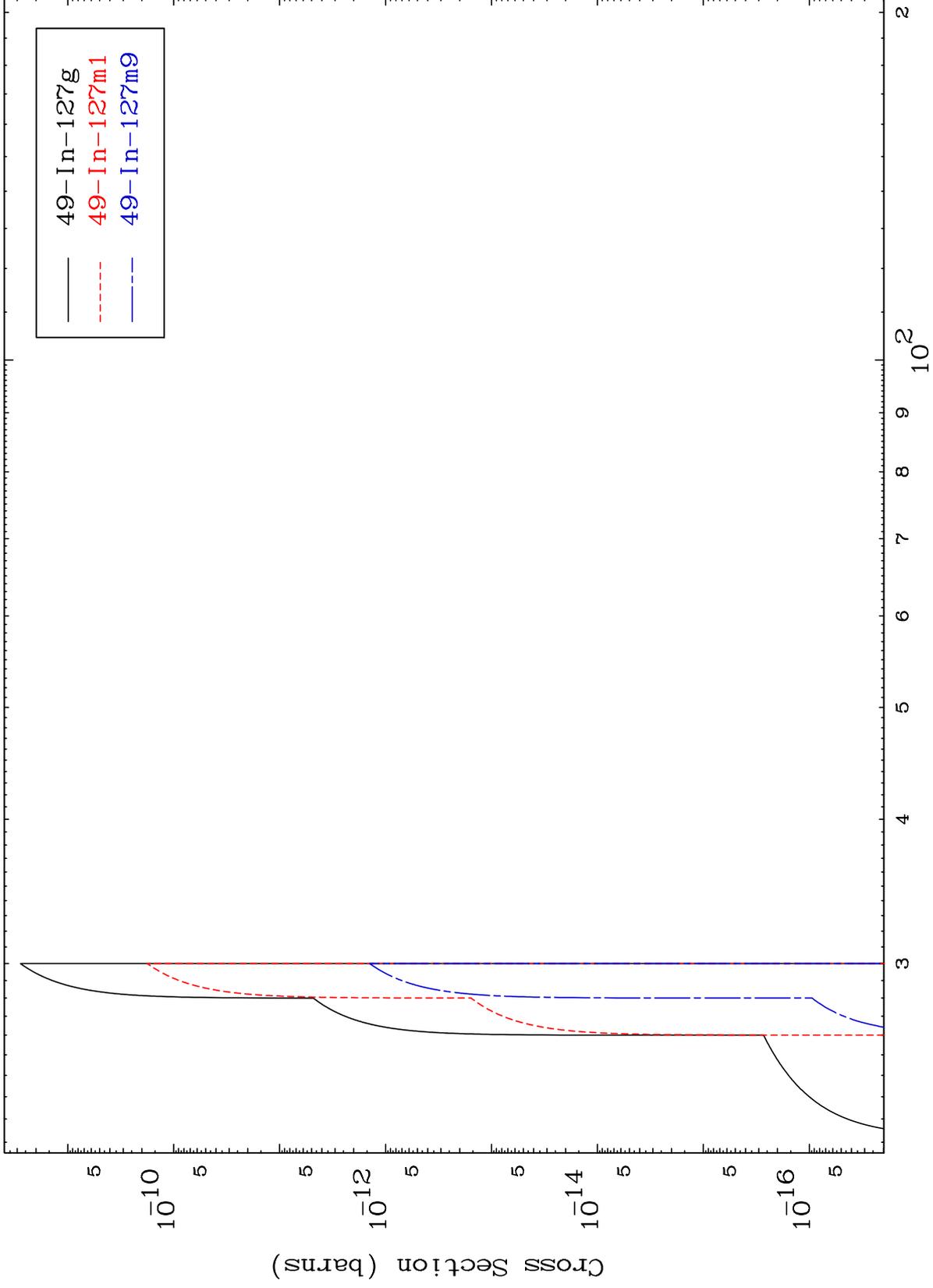
18

Incident Energy (MeV)

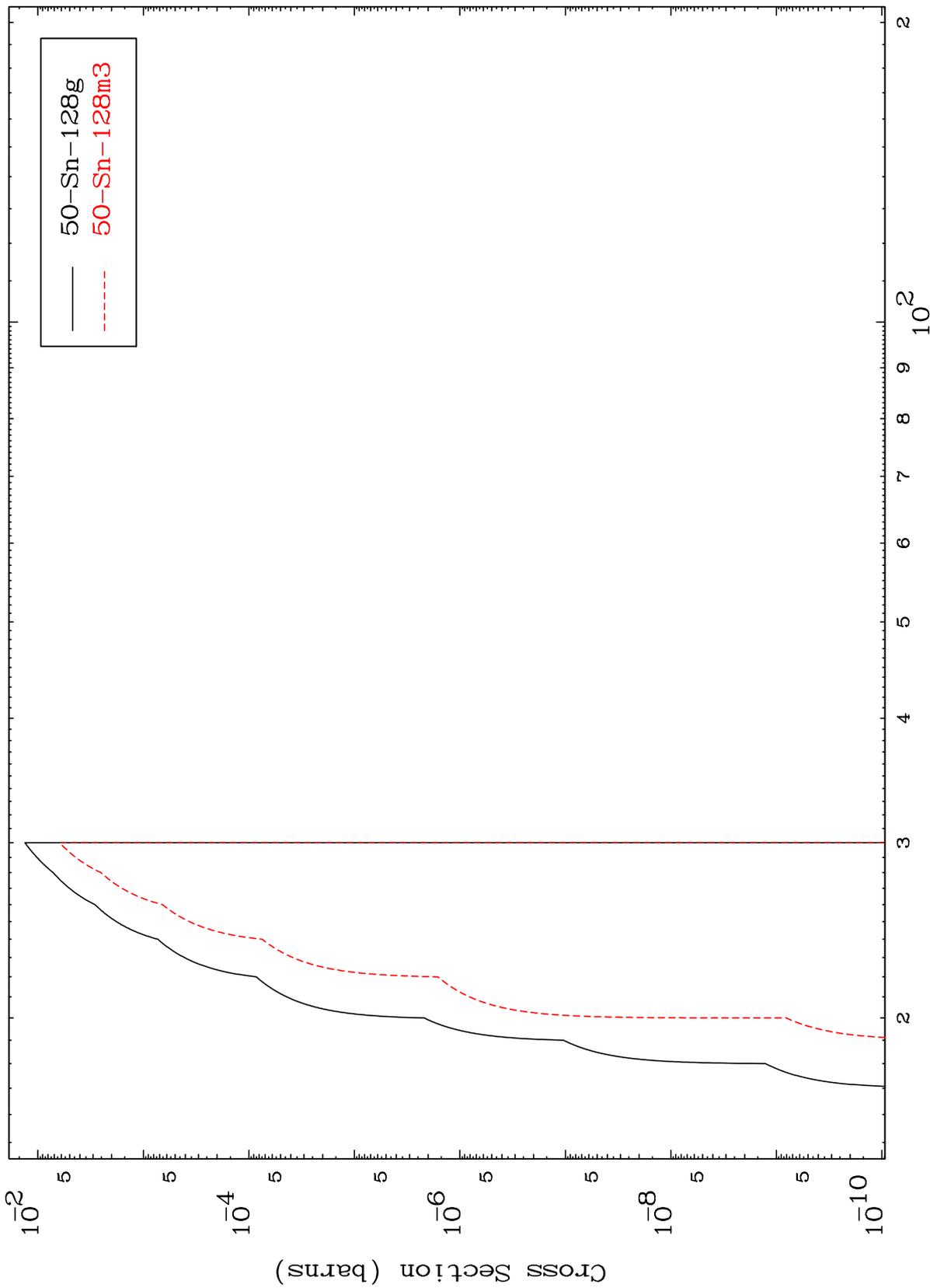
49-In-127



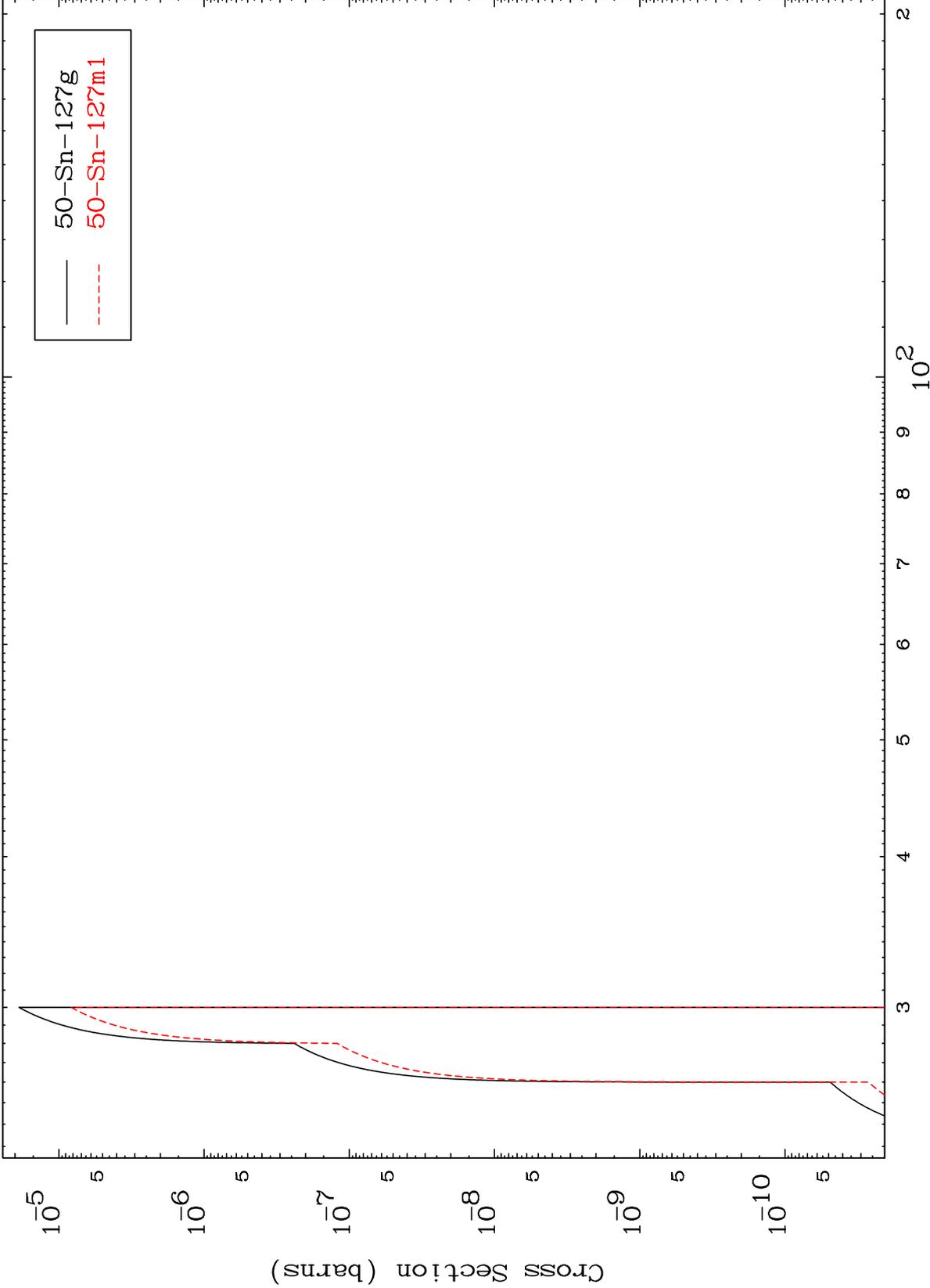
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

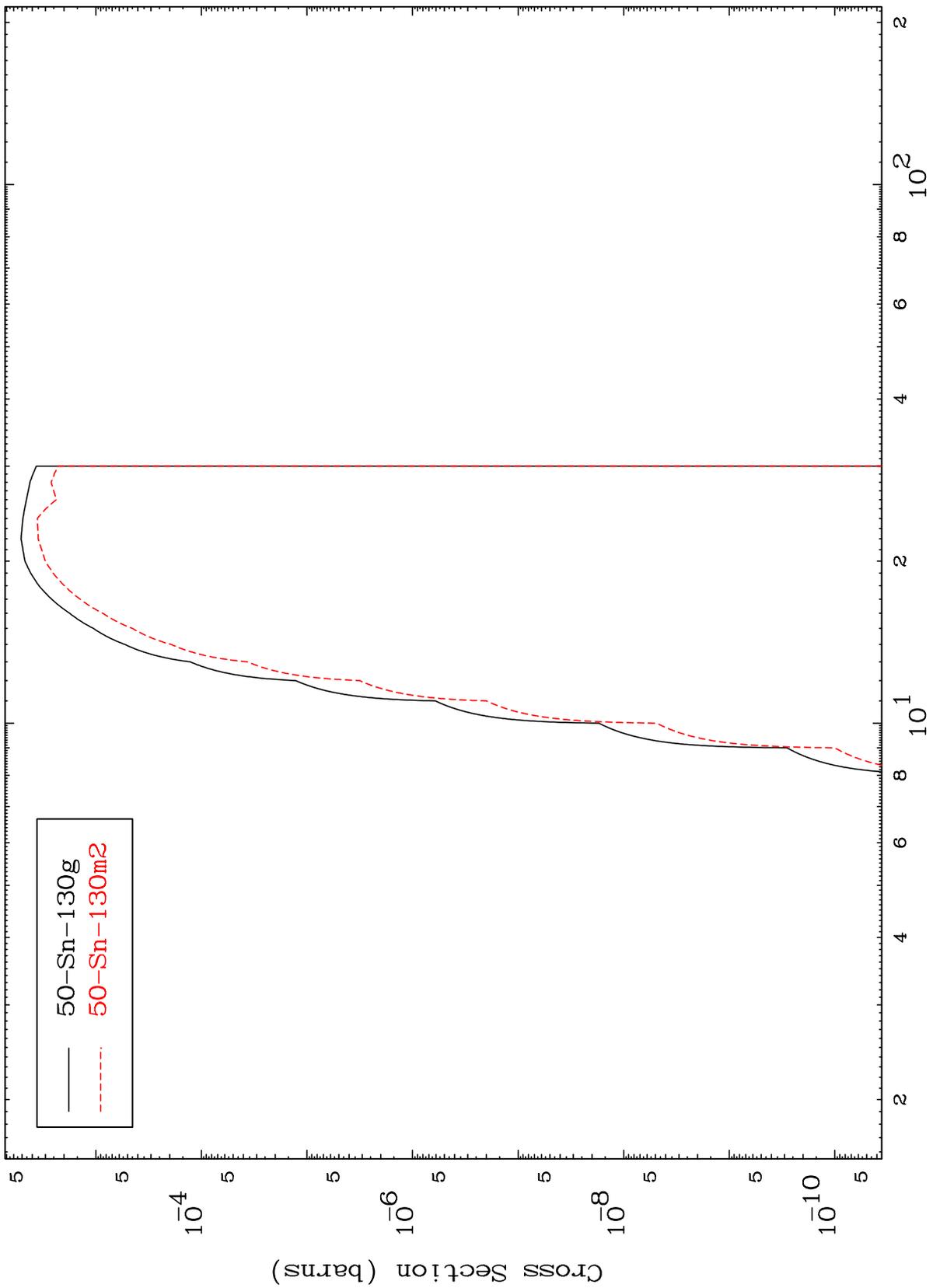


50-Sn-127g  
50-Sn-127m1

MAT 4967

49-In-127

(n,p)  
Radionuclide Production Cross Section



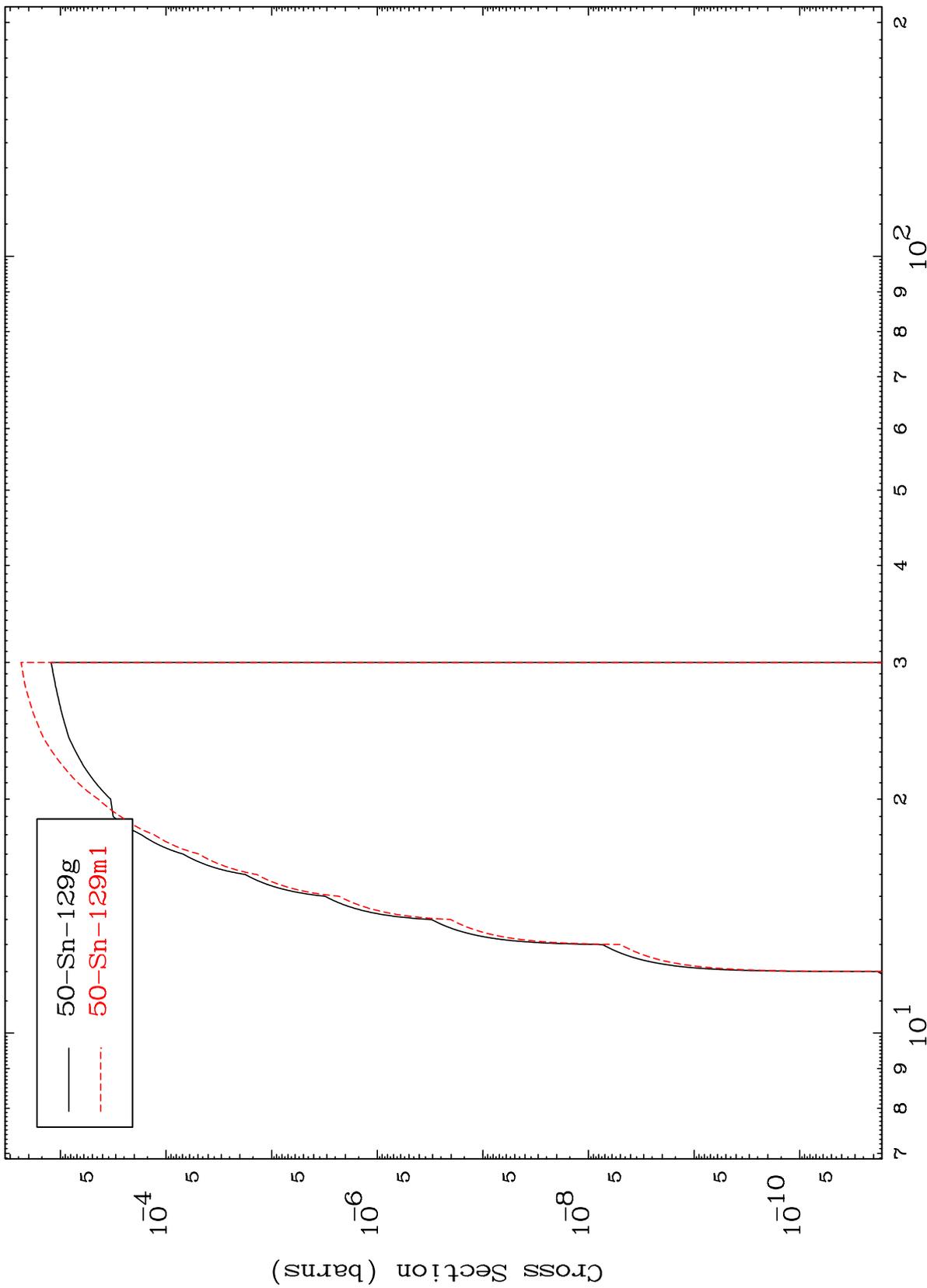
23

49-In-127

MAT 4967

49-In-127

(n,d)  
Radionuclide Production Cross Section



24

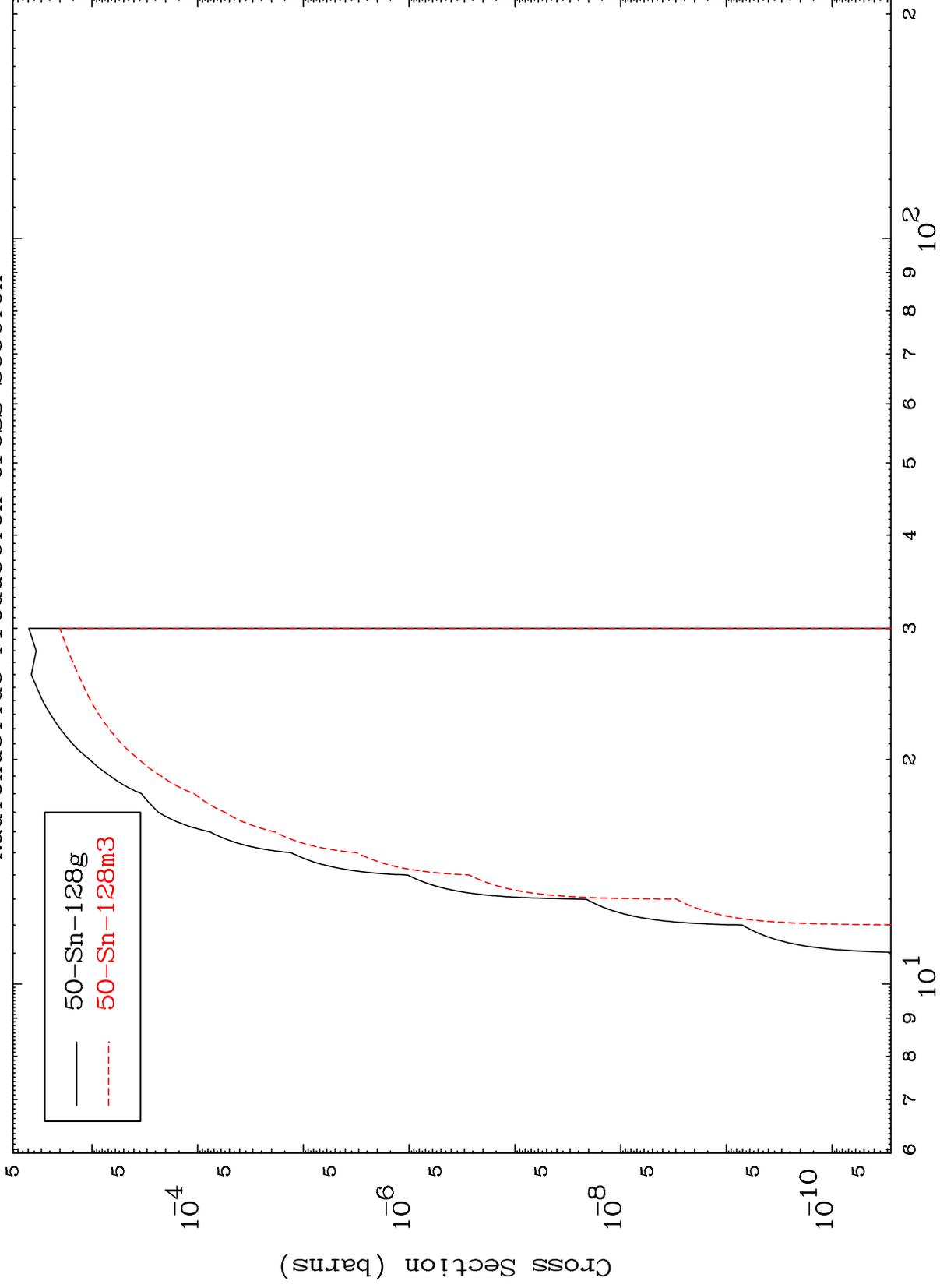
Incident Energy (MeV)

49-In-127

MAT 4967

49-In-127

Radionuclide Production Cross Section



25

Incident Energy (MeV)

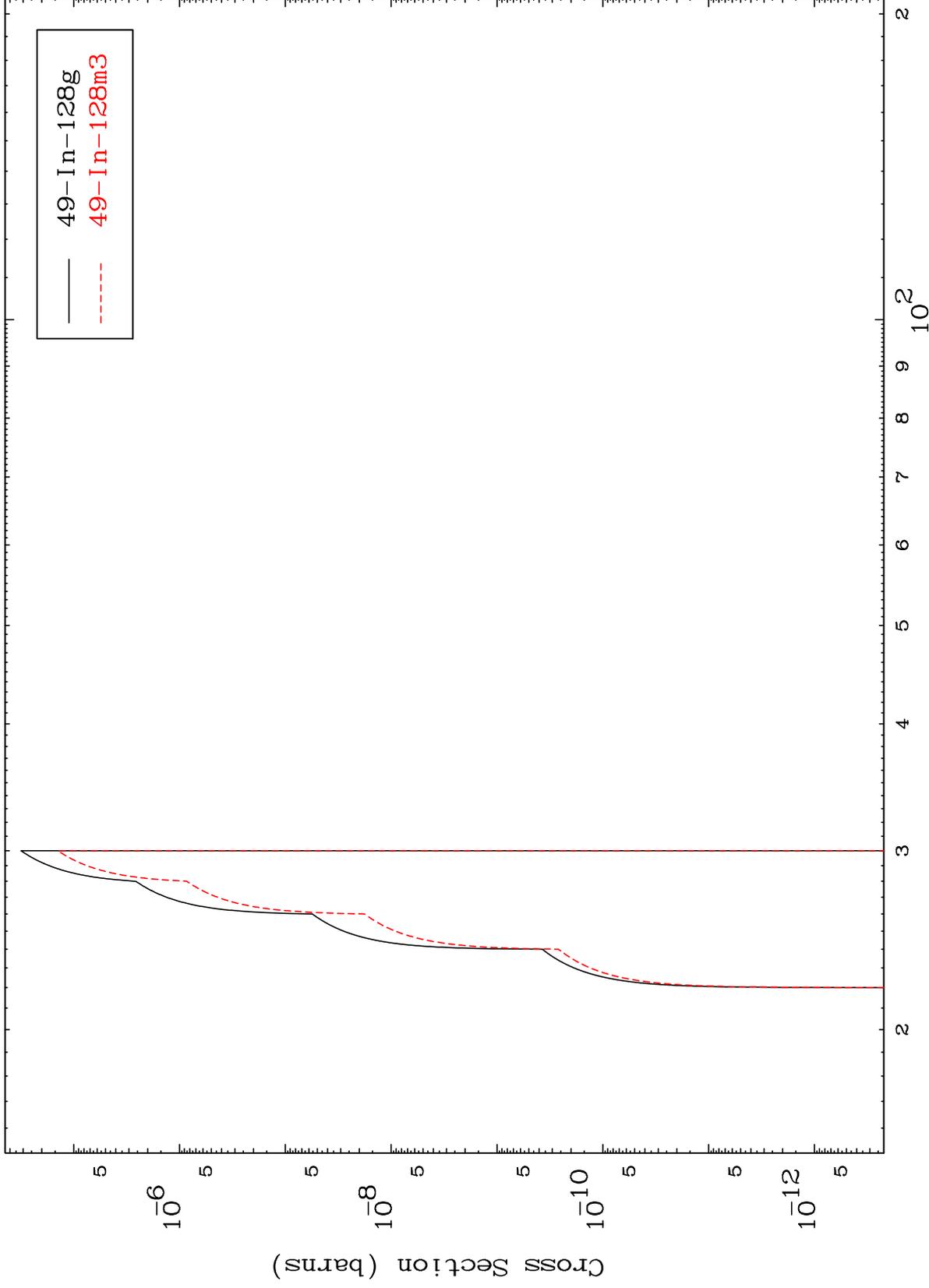
49-In-127

MAT 4967

(n,He-3)

49-In-127

Radionuclide Production Cross Section



26

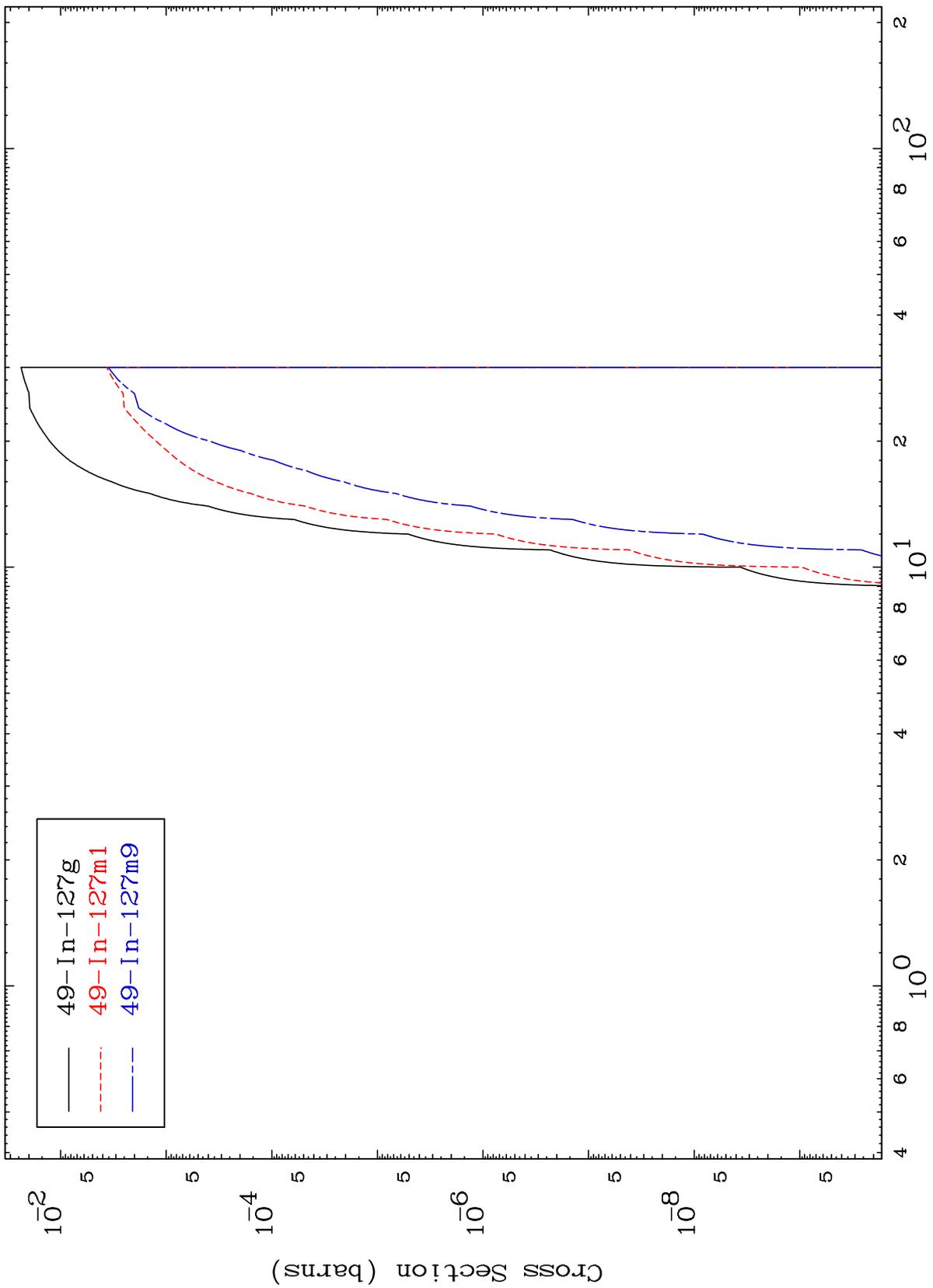
Incident Energy (MeV)

49-In-127

MAT 4967

49-In-127

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



27

49-In-127

Incident Energy (MeV)