

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

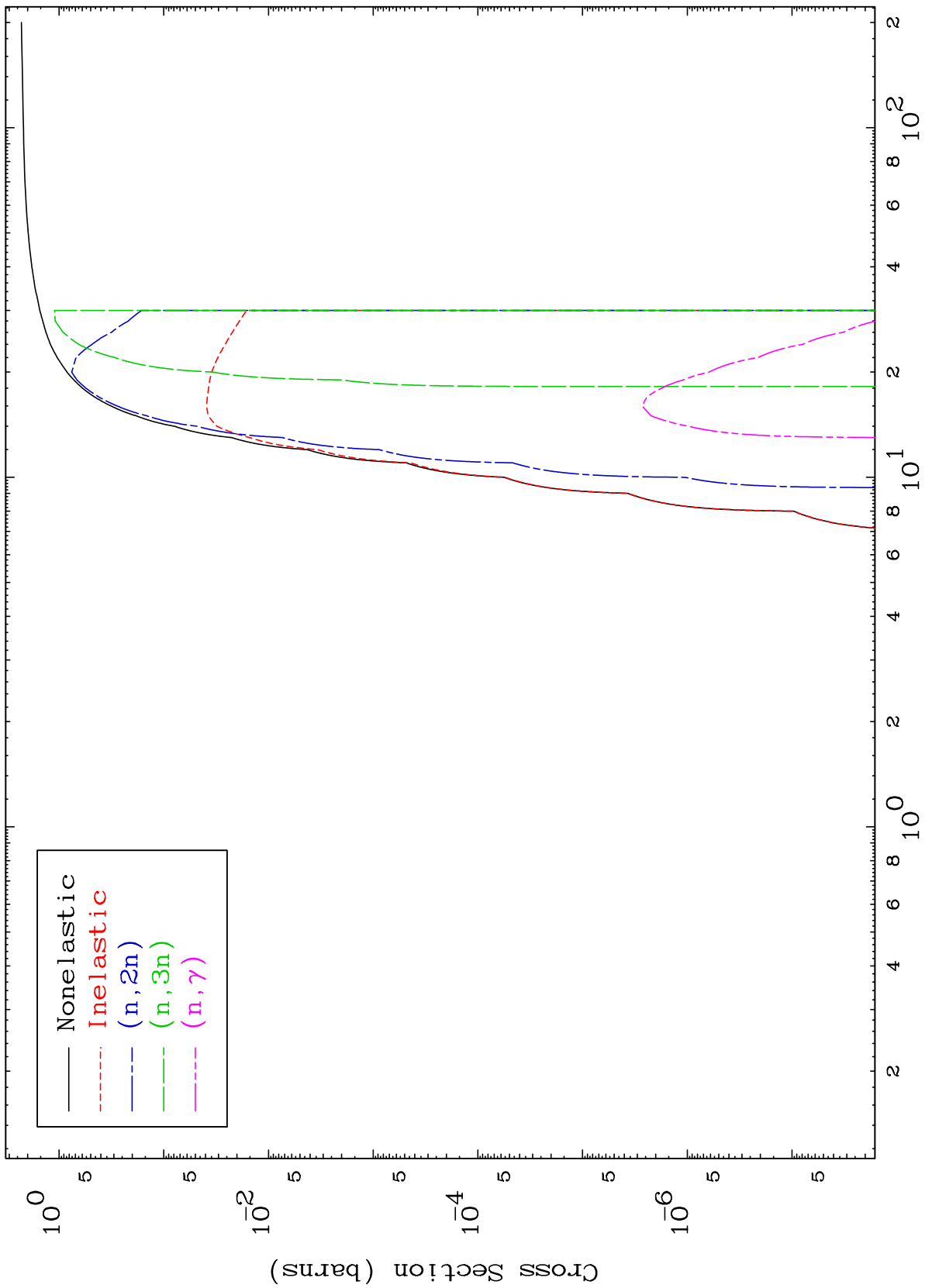
Press Mouse Button to Start

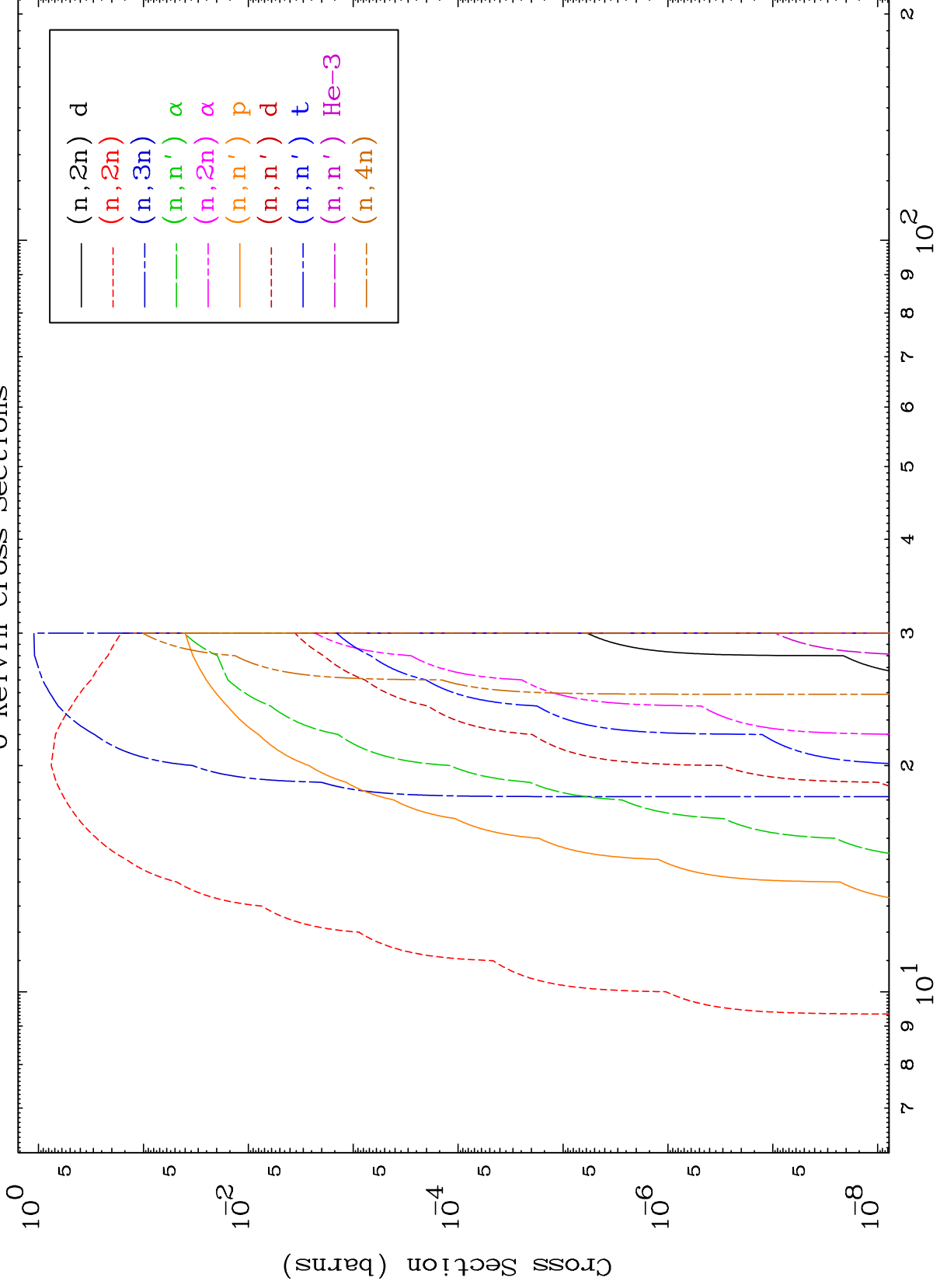
MAT 5150

$\alpha$  Major

51-Sb-129m

0 Kelvin Cross Sections

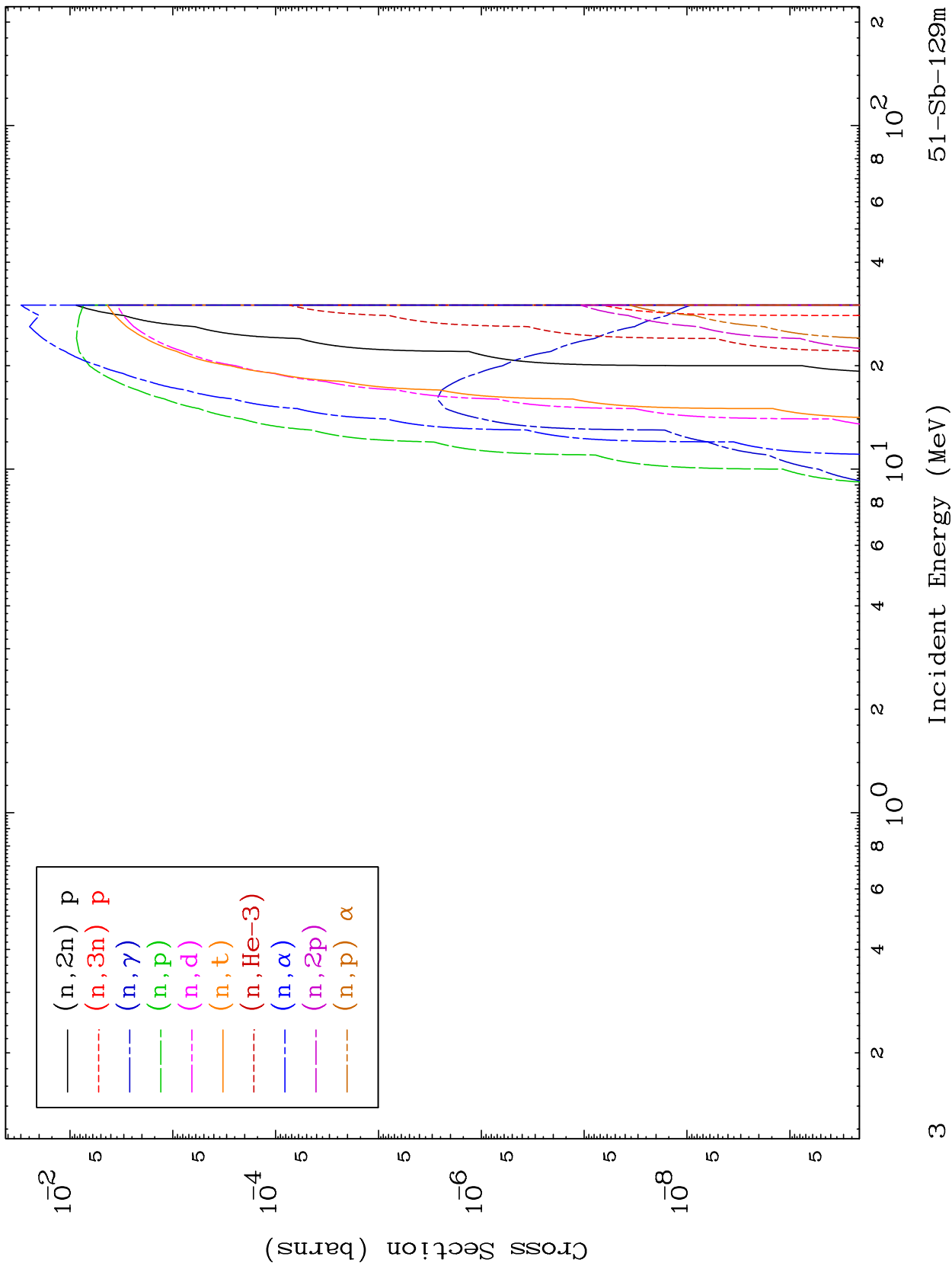




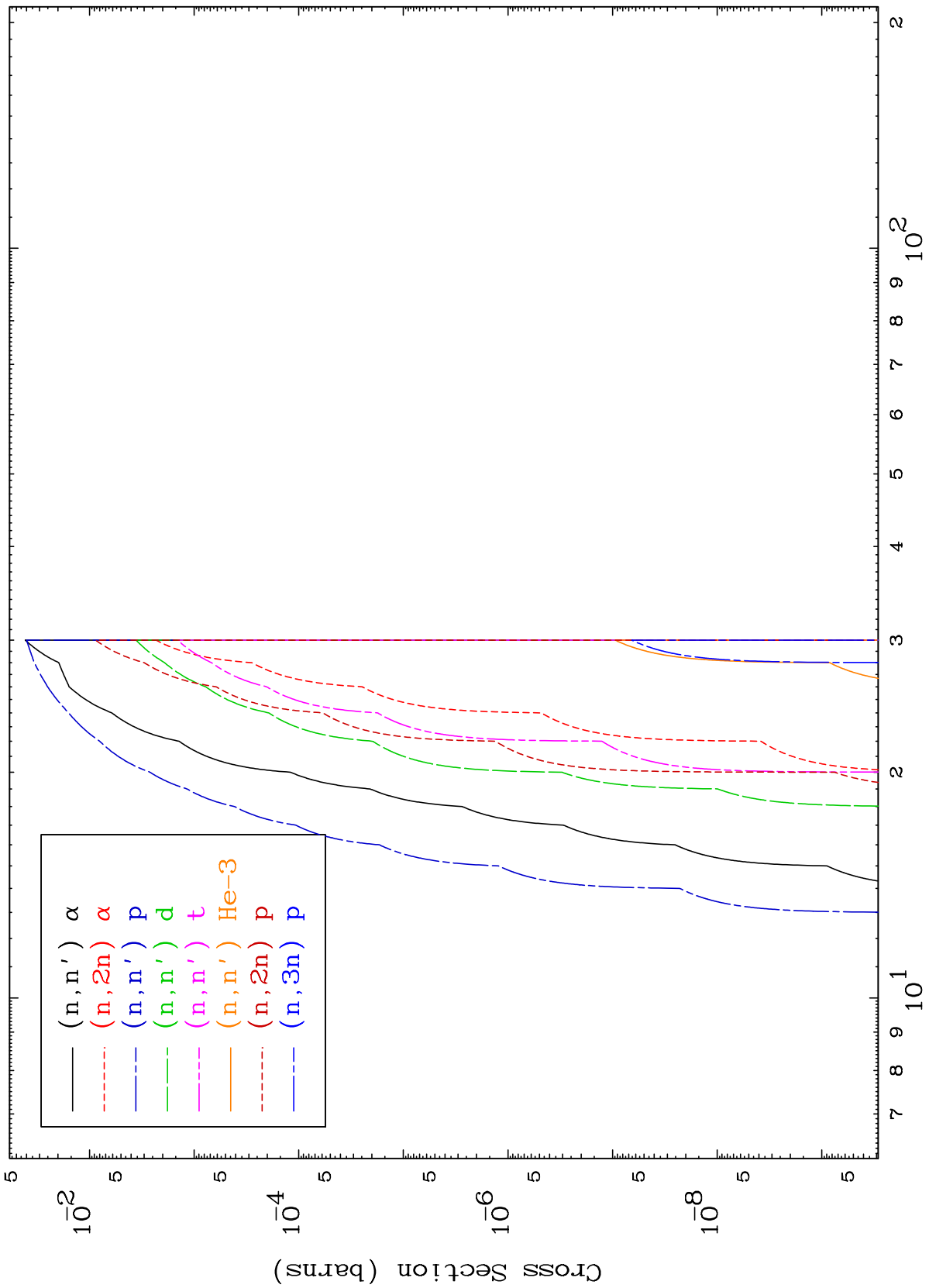
MAT 5150

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

51-Sb-129m



51-Sb-129m

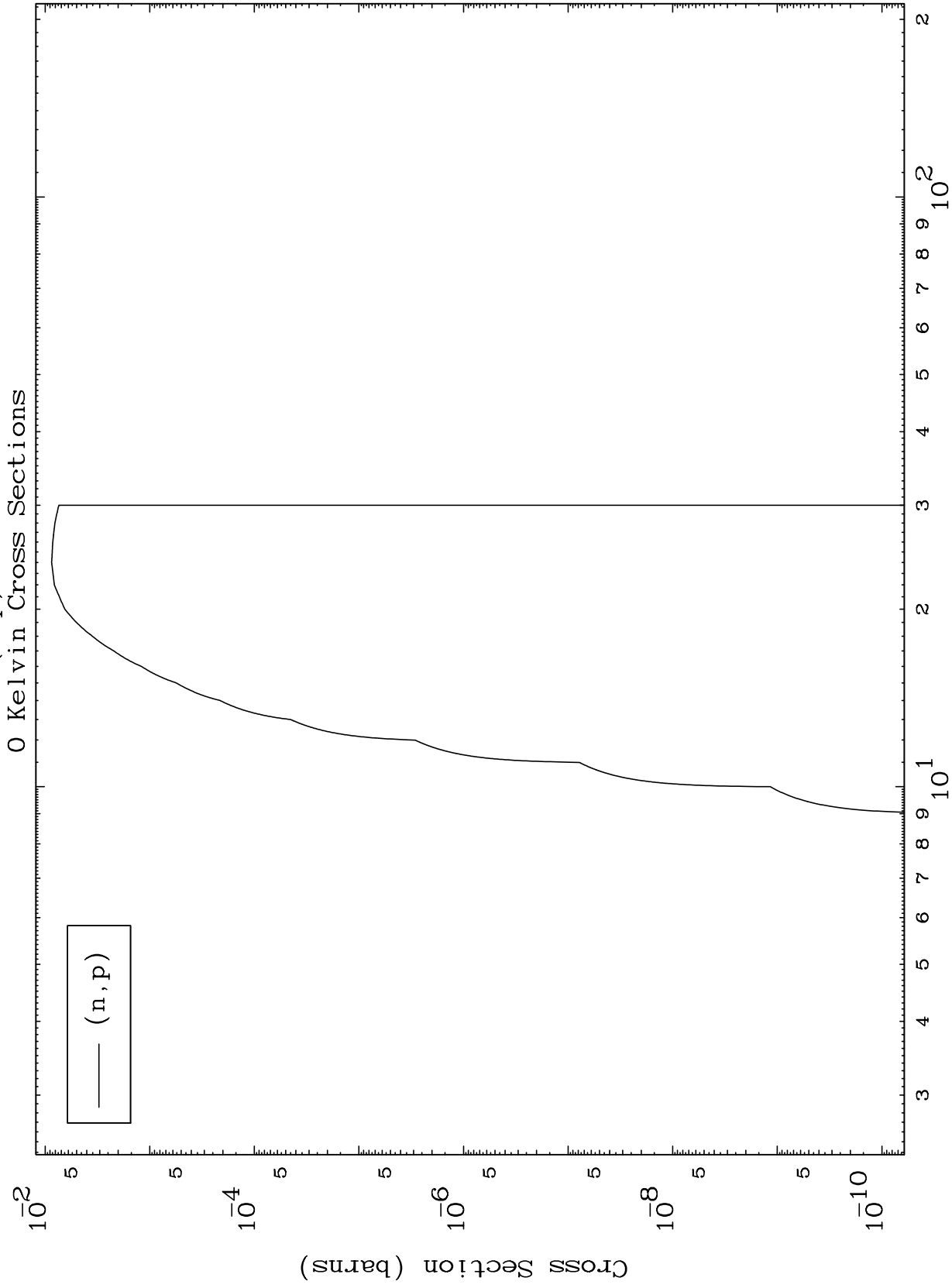




MAT 5150

( $\alpha, p$ ) Levels

51-Sb-129m



Incident Energy (MeV)

51-Sb-129m

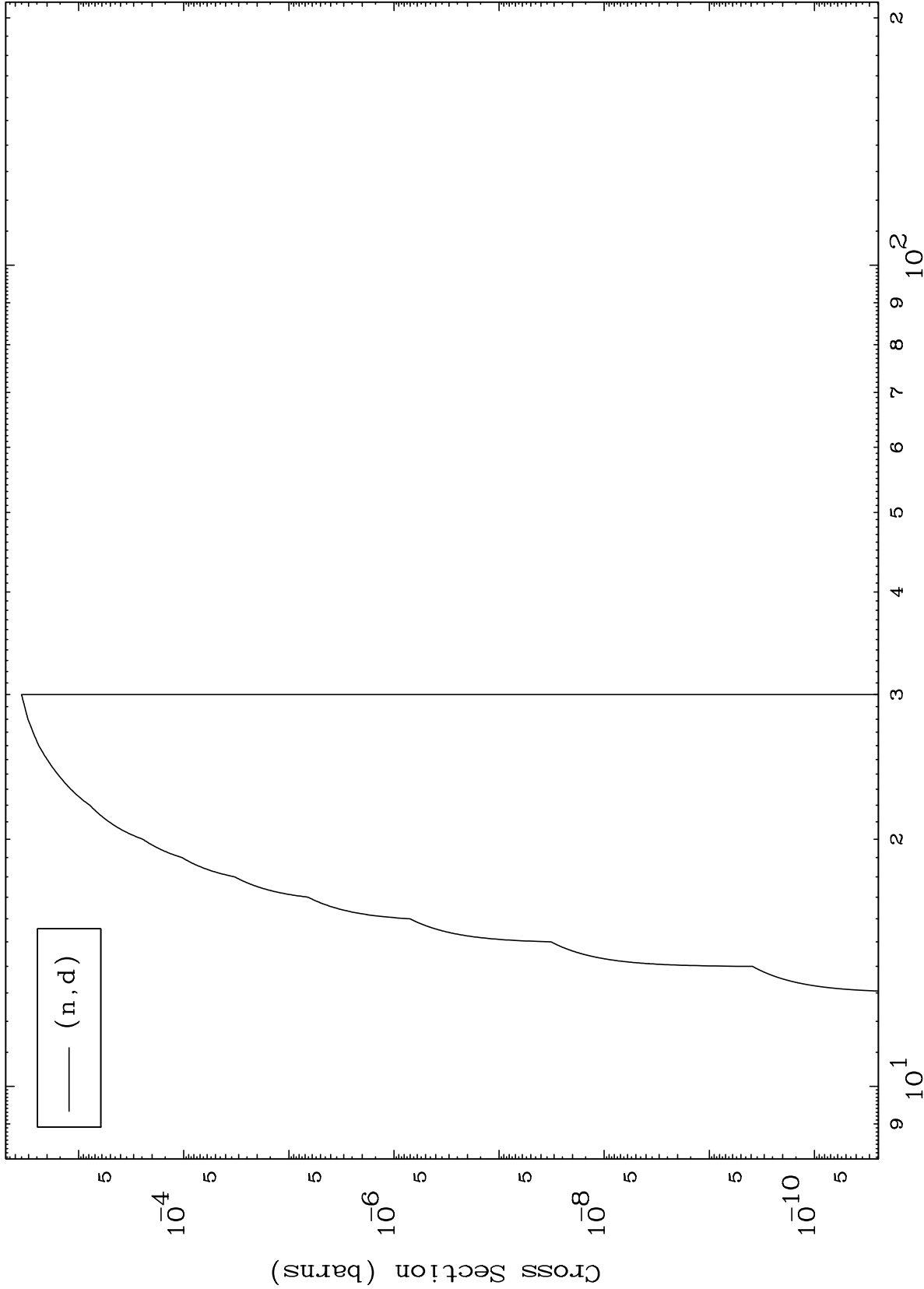
6

MAT 5150

( $\alpha, d$ ) Levels

51-Sb-129m

0 Kelvin Cross Sections



Incident Energy (MeV)

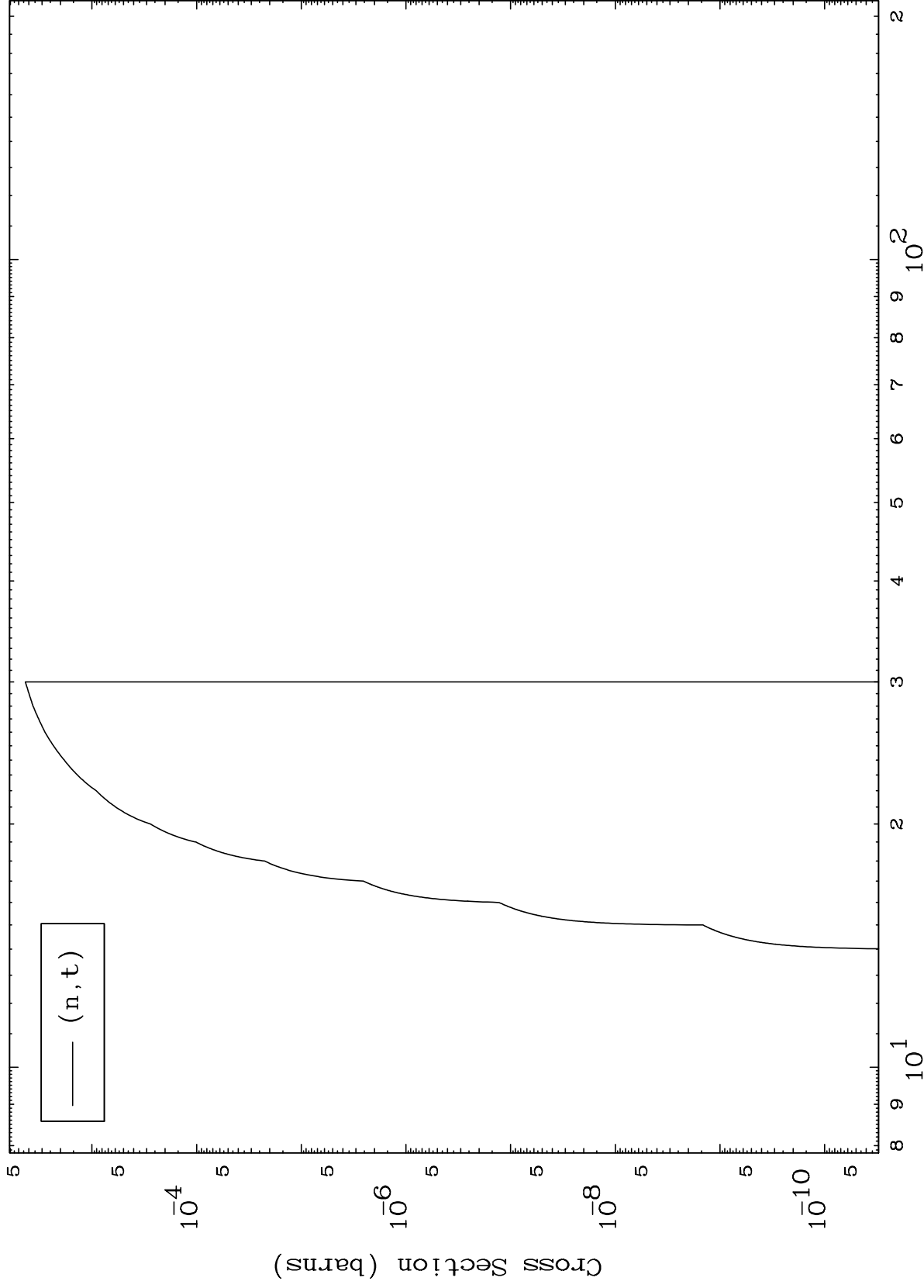
51-Sb-129m

7

MAT 5150

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

51-Sb-129m



Incident Energy (MeV)

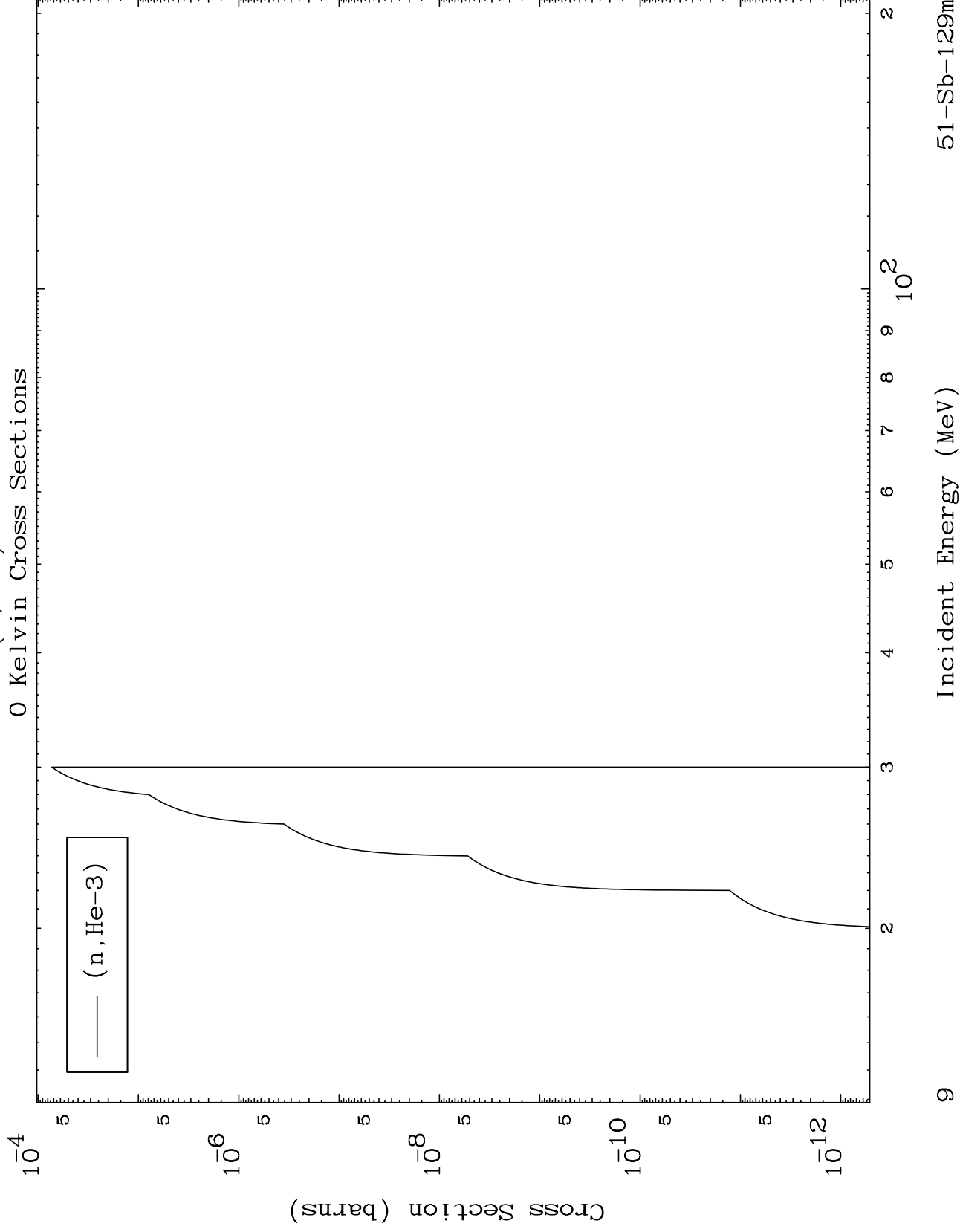
51-Sb-129m

8

MAT 5150

( $\alpha, \text{He3}$ ) Levels

51-Sb-129m

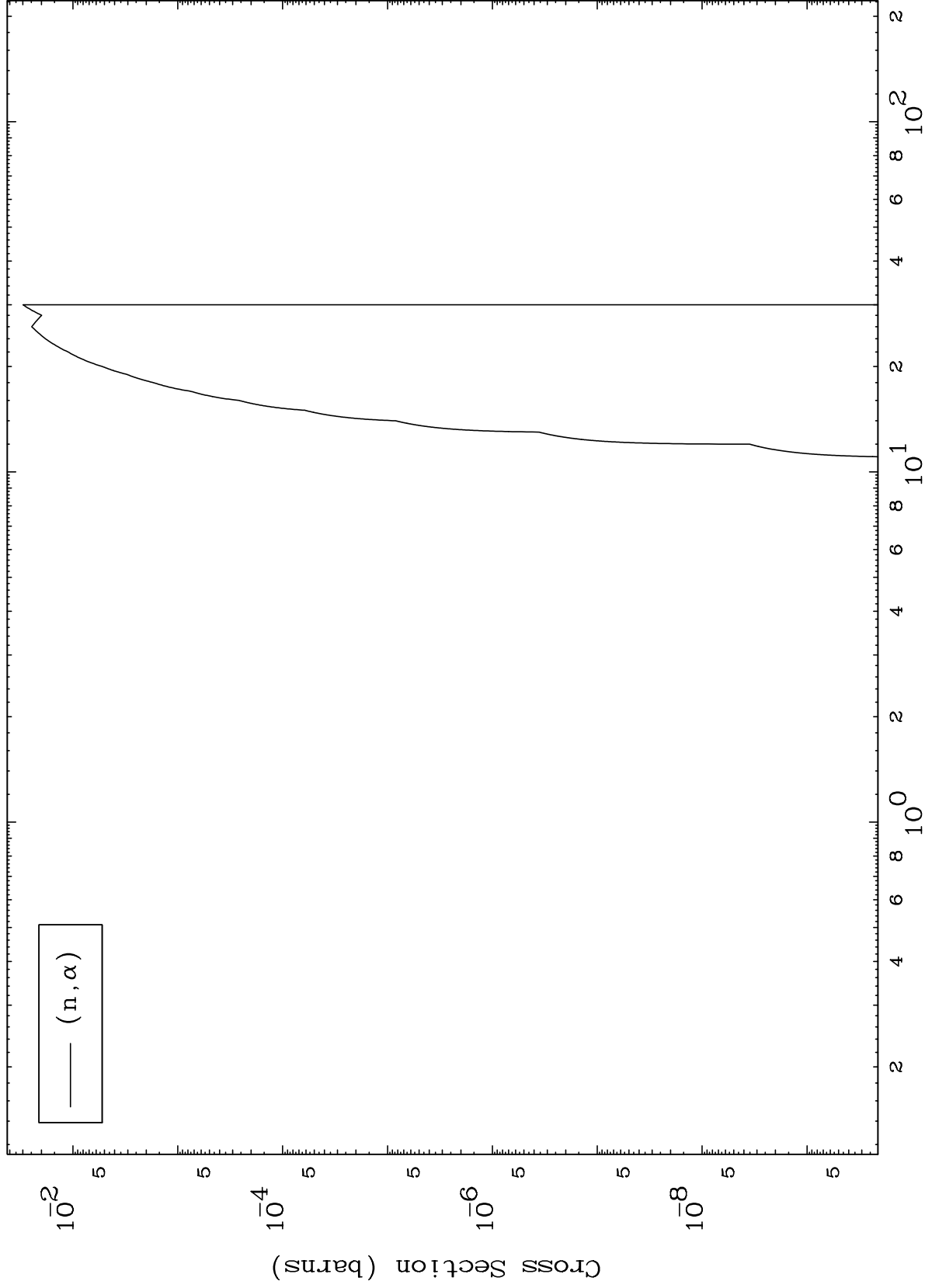


MAT 5150

( $\alpha, \alpha$ ) Levels

51-Sb-129m

0 Kelvin Cross Sections



10

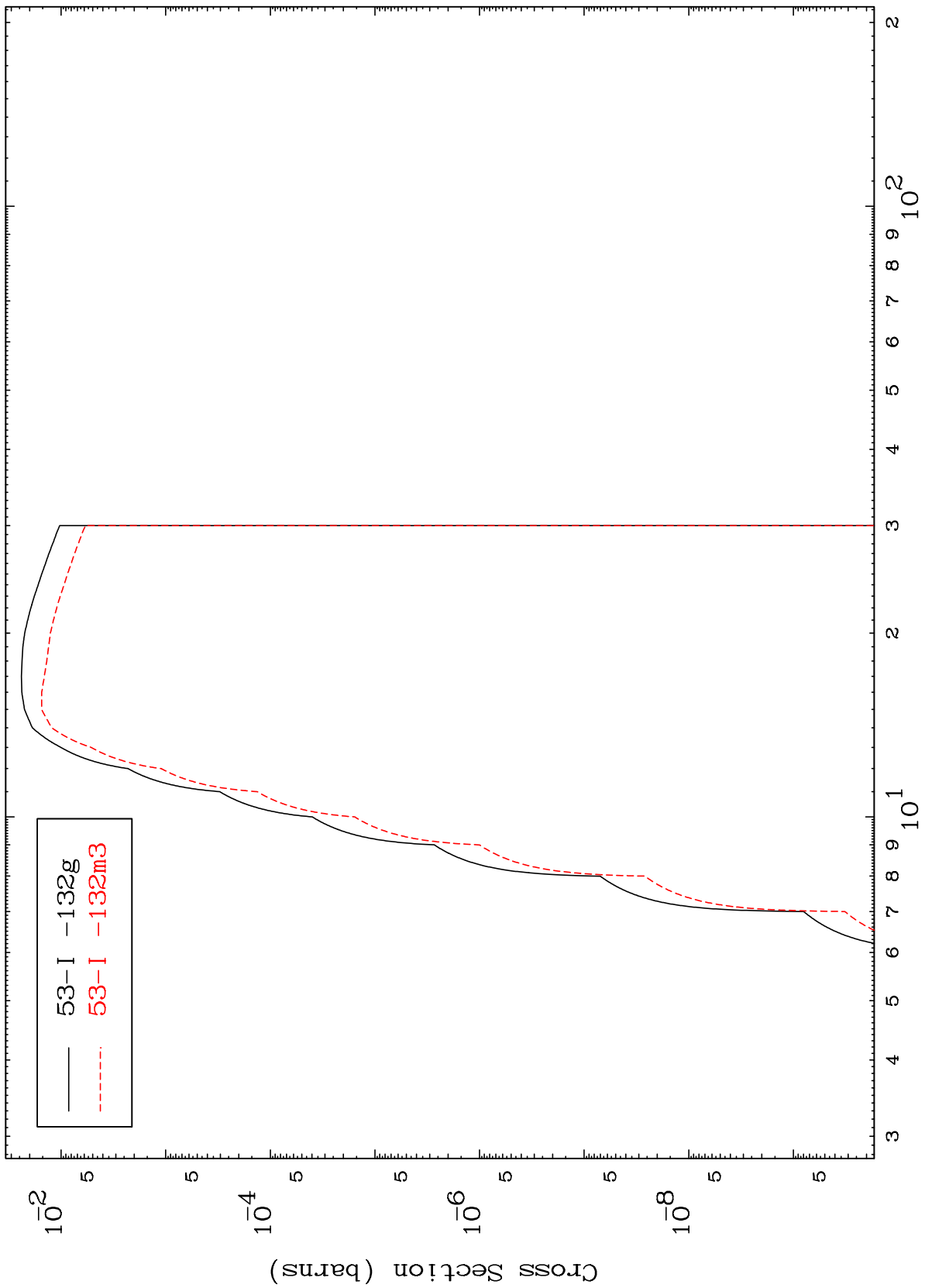
Incident Energy (MeV)

51-Sb-129m

MAT 5150

51-Sb-129m

### Radionuclide Production Cross Section



51-Sb-129m

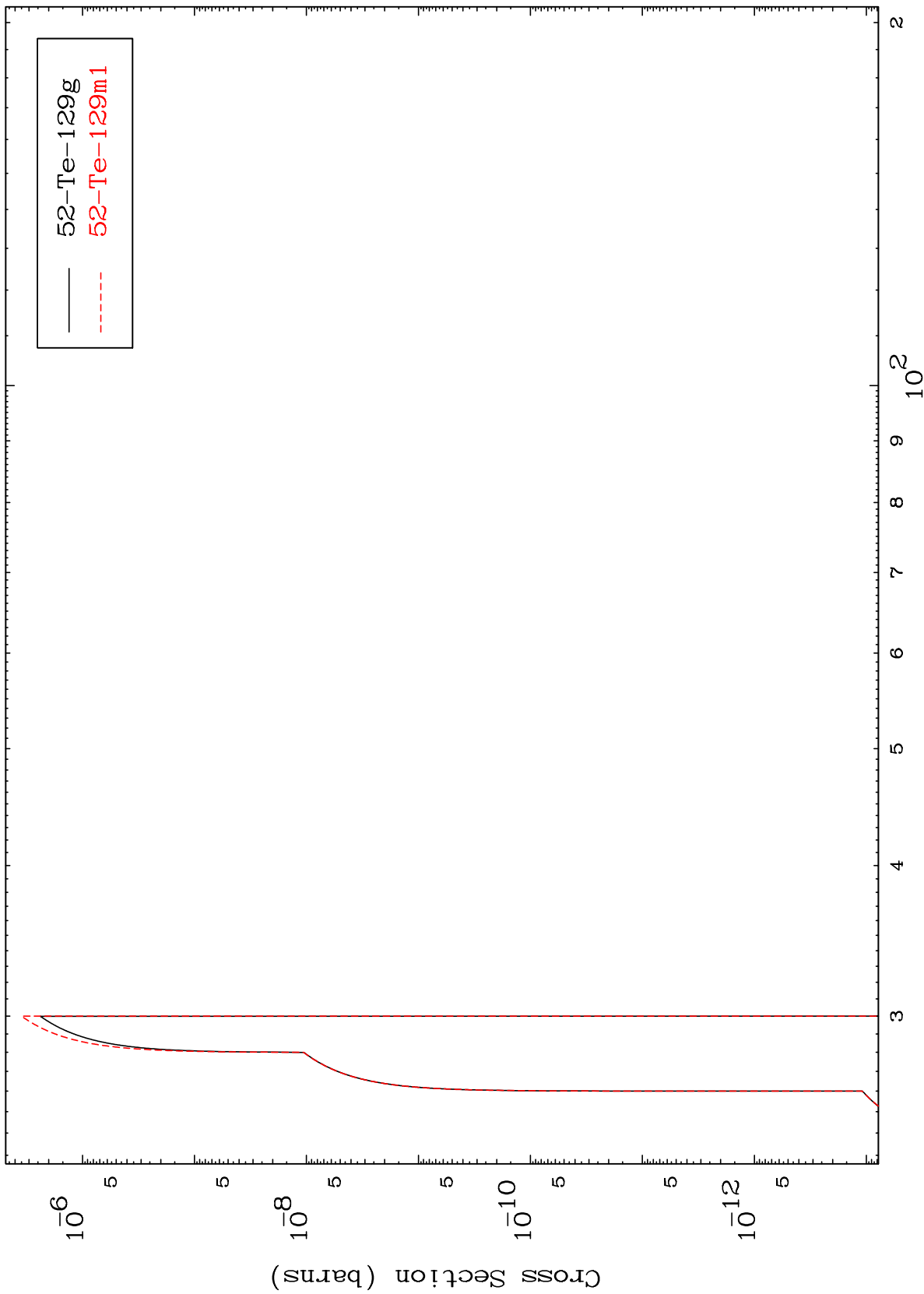
Incident Energy (MeV)

MAT 5150

(n,2n) d

51-Sb-129m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

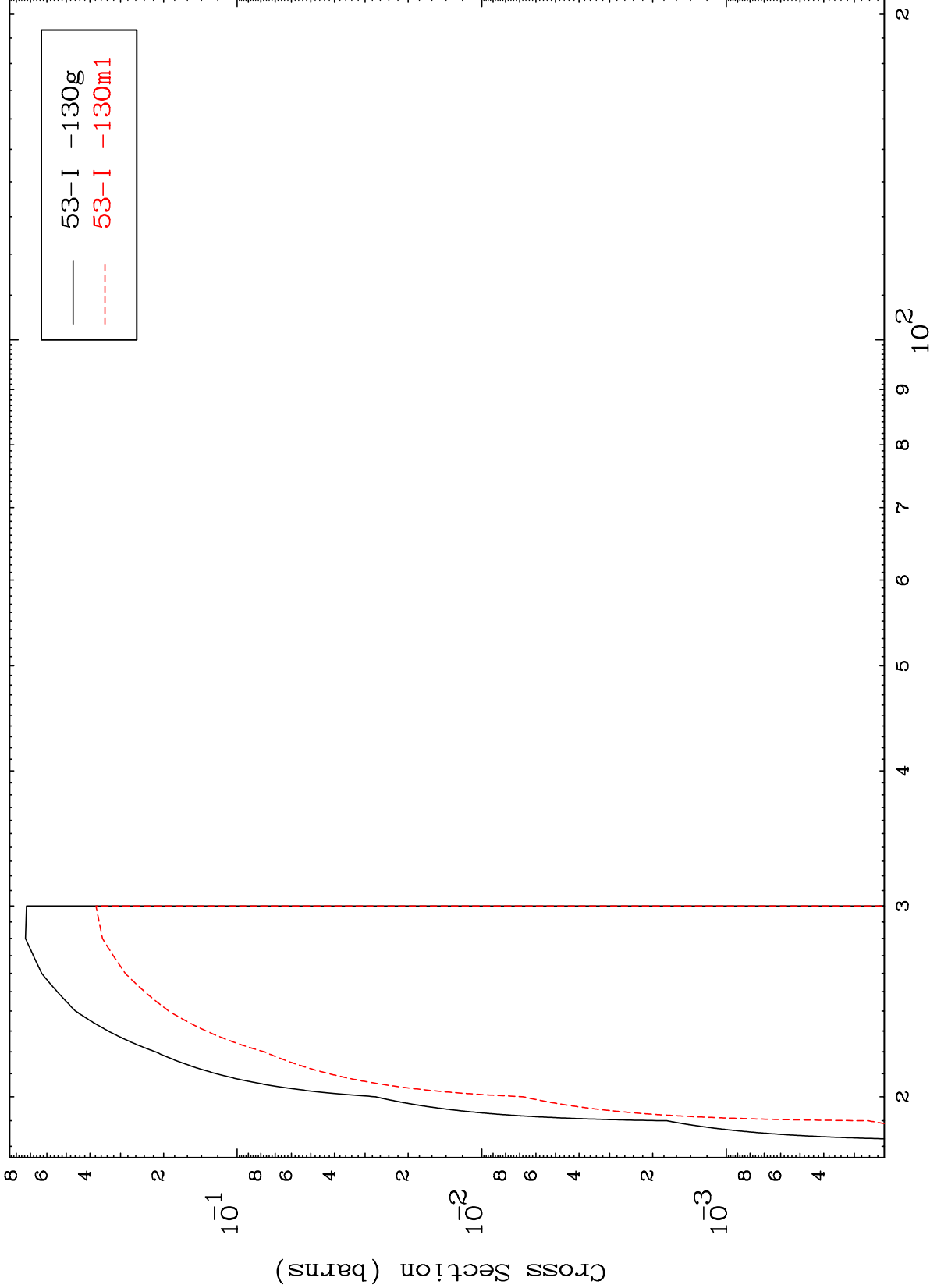
51-Sb-129m

MAT 5150

(n,3n)

51-Sb-129m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

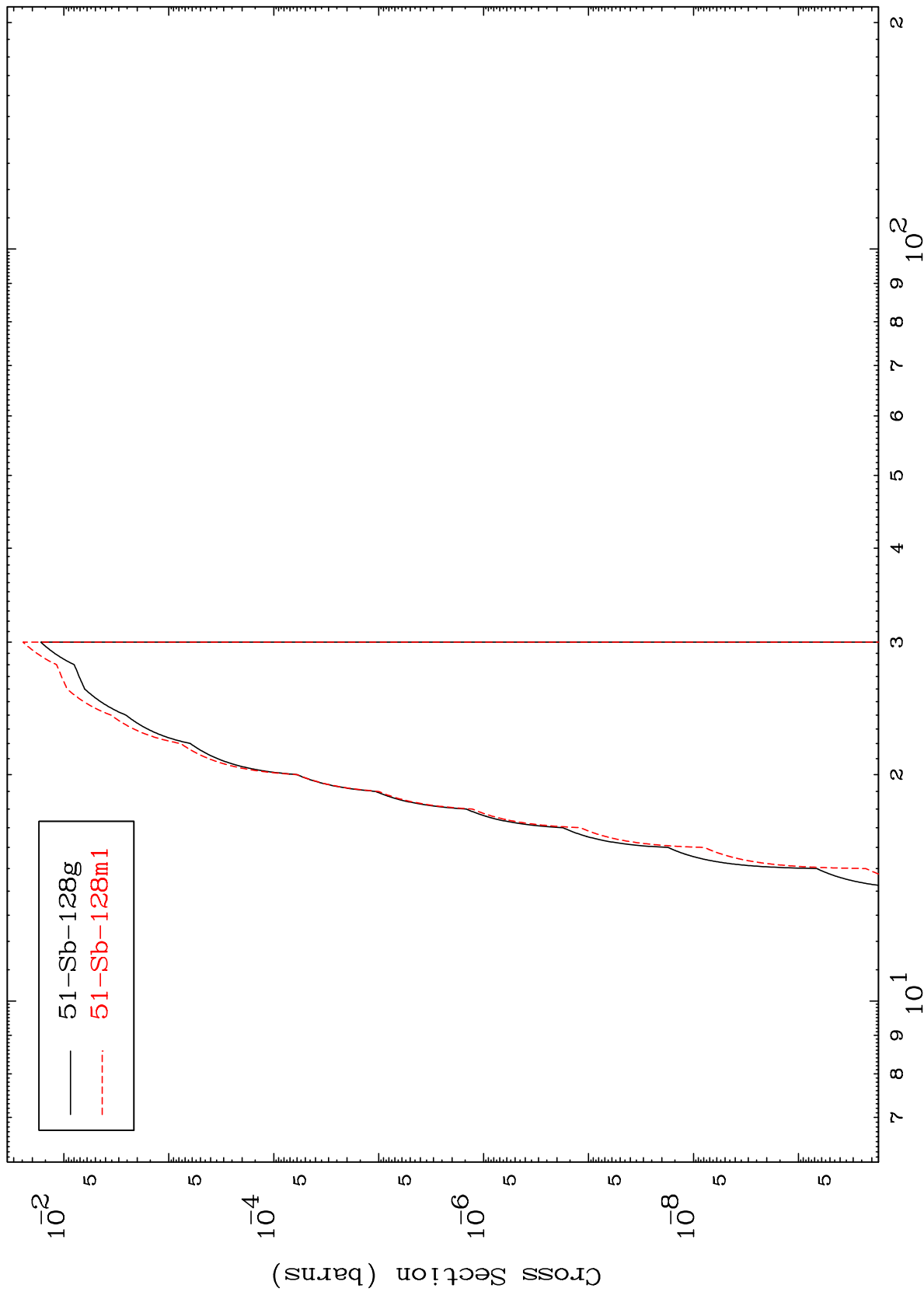
51-Sb-129m

MAT 5150

$(n, n') \alpha$

51-Sb-129m

Radionuclide Production Cross Section



14

Incident Energy (MeV)

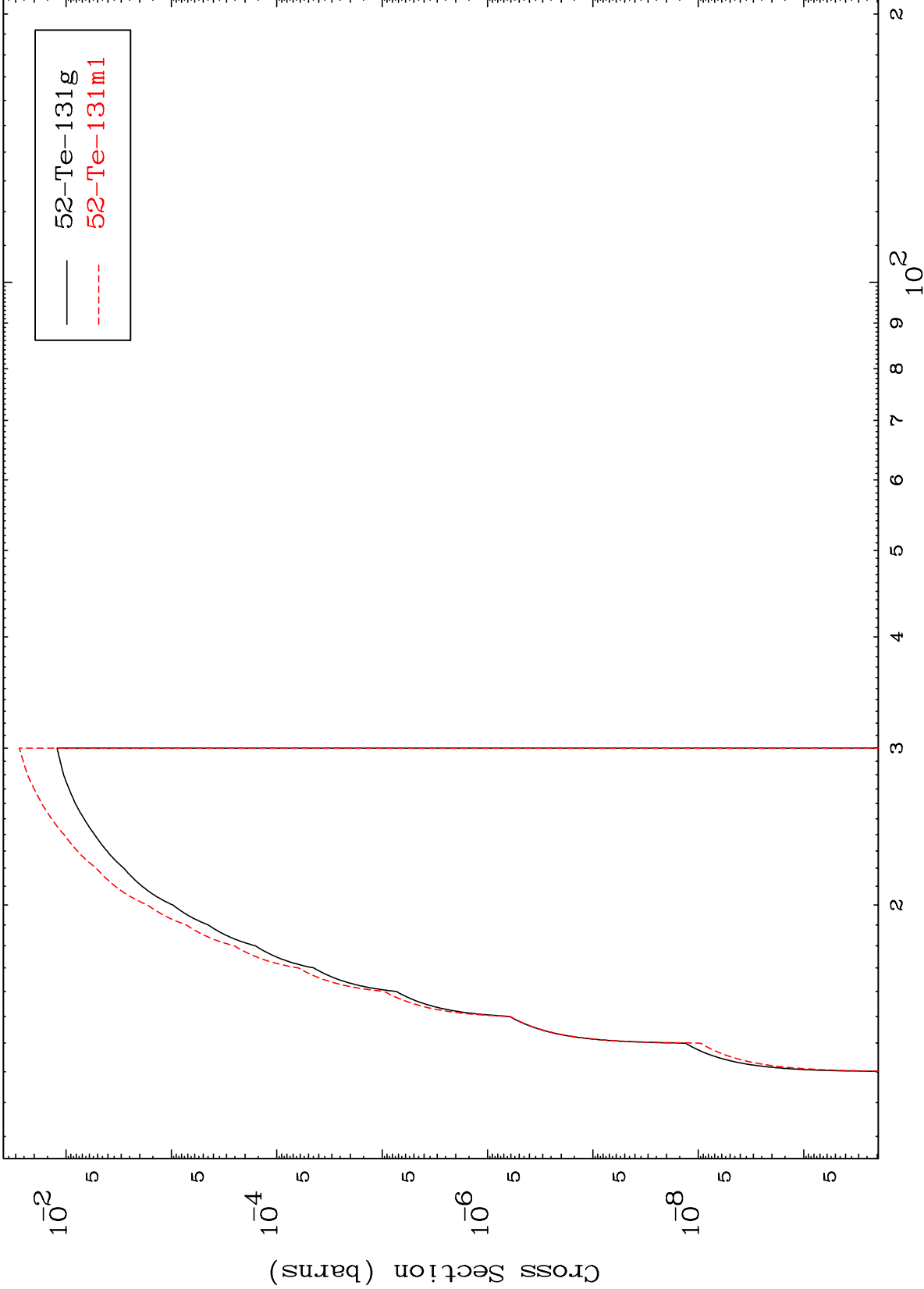
51-Sb-129m

MAT 5150

(n,n') p

51-Sb-129m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

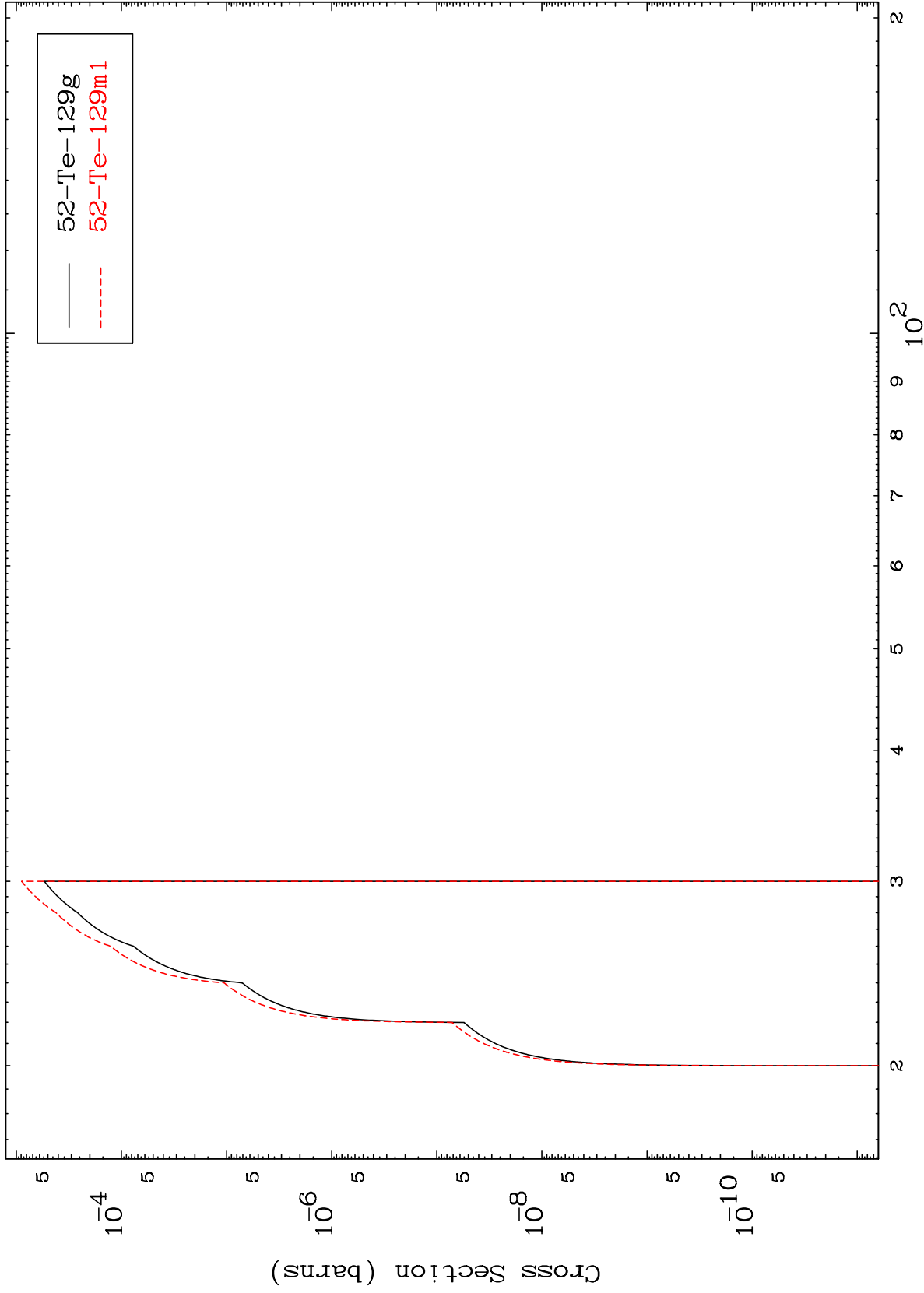
51-Sb-129m

MAT 5150

(n,n') t

51-Sb-129m

Radionuclide Production Cross Section



16

Incident Energy (MeV)

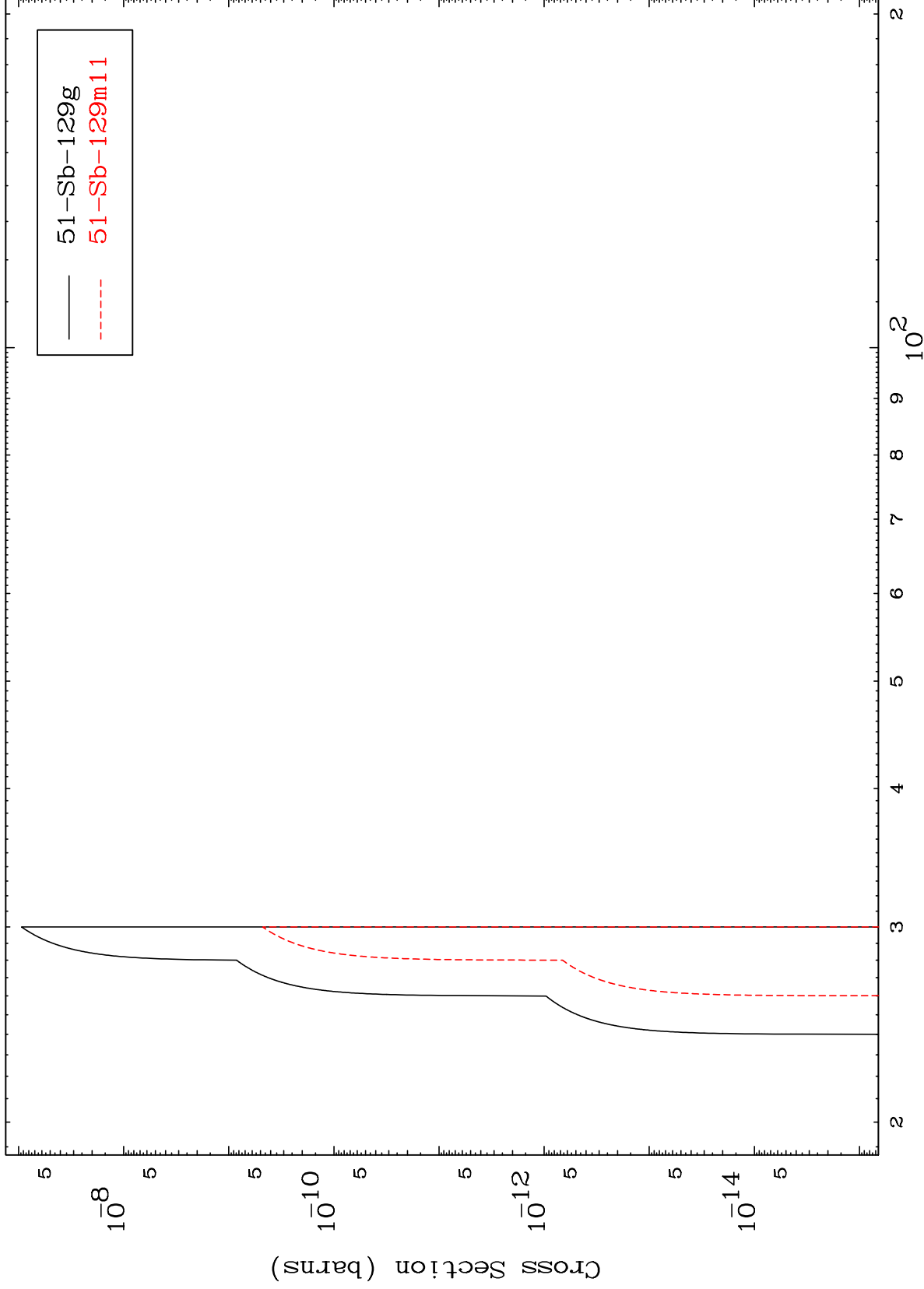
51-Sb-129m

MAT 5150

(n,n') He-3

51-Sb-129m

Radionuclide Production Cross Section



17

Incident Energy (MeV)

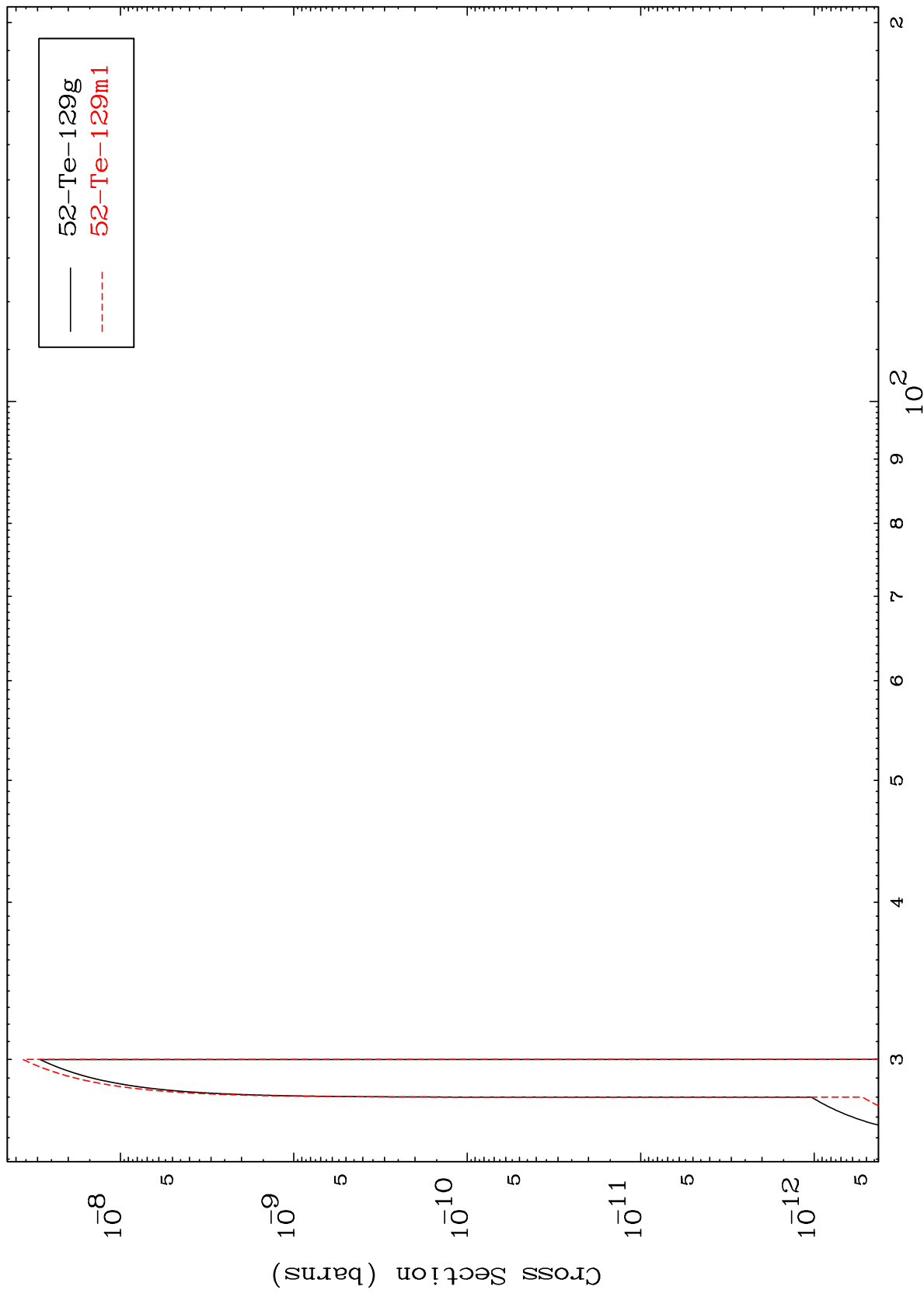
51-Sb-129m

MAT 5150

(n,3n) p

51-Sb-129m

Radionuclide Production Cross Section



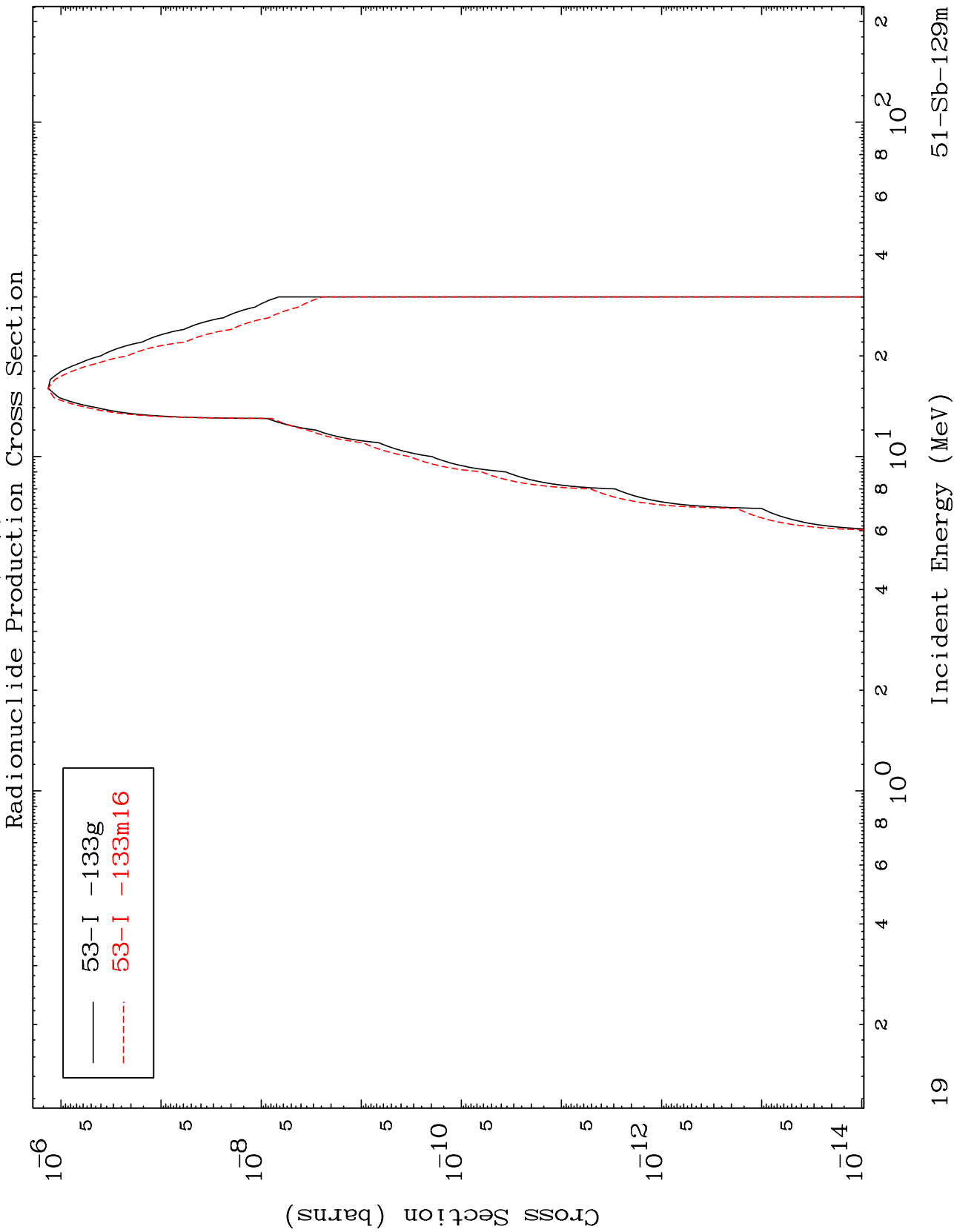
18

Incident Energy (MeV)

51-Sb-129m

MAT 5150

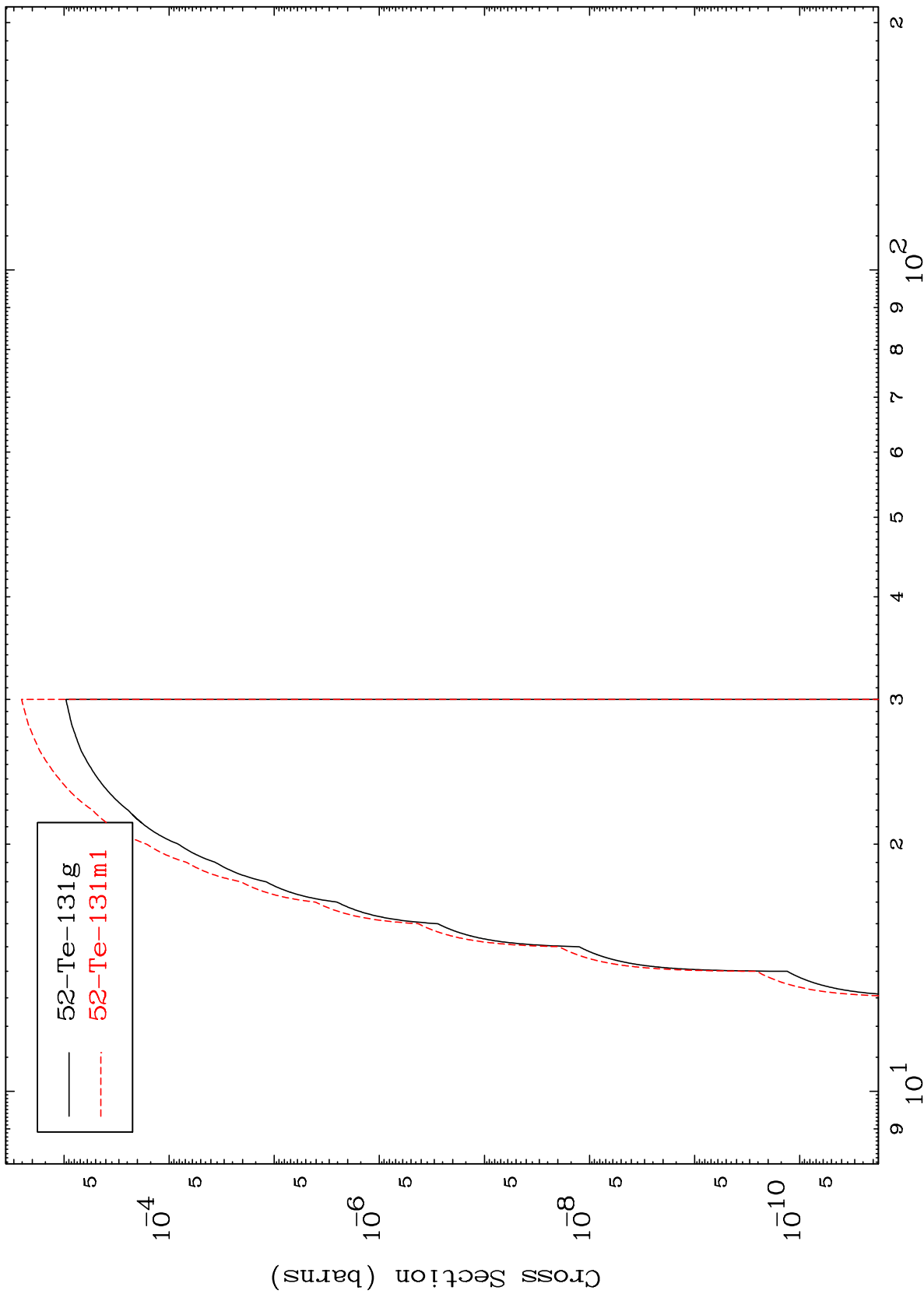
51-Sb-129m



MAT 5150

51-Sb-129m

(n,d)  
Radionuclide Production Cross Section



51-Sb-129m

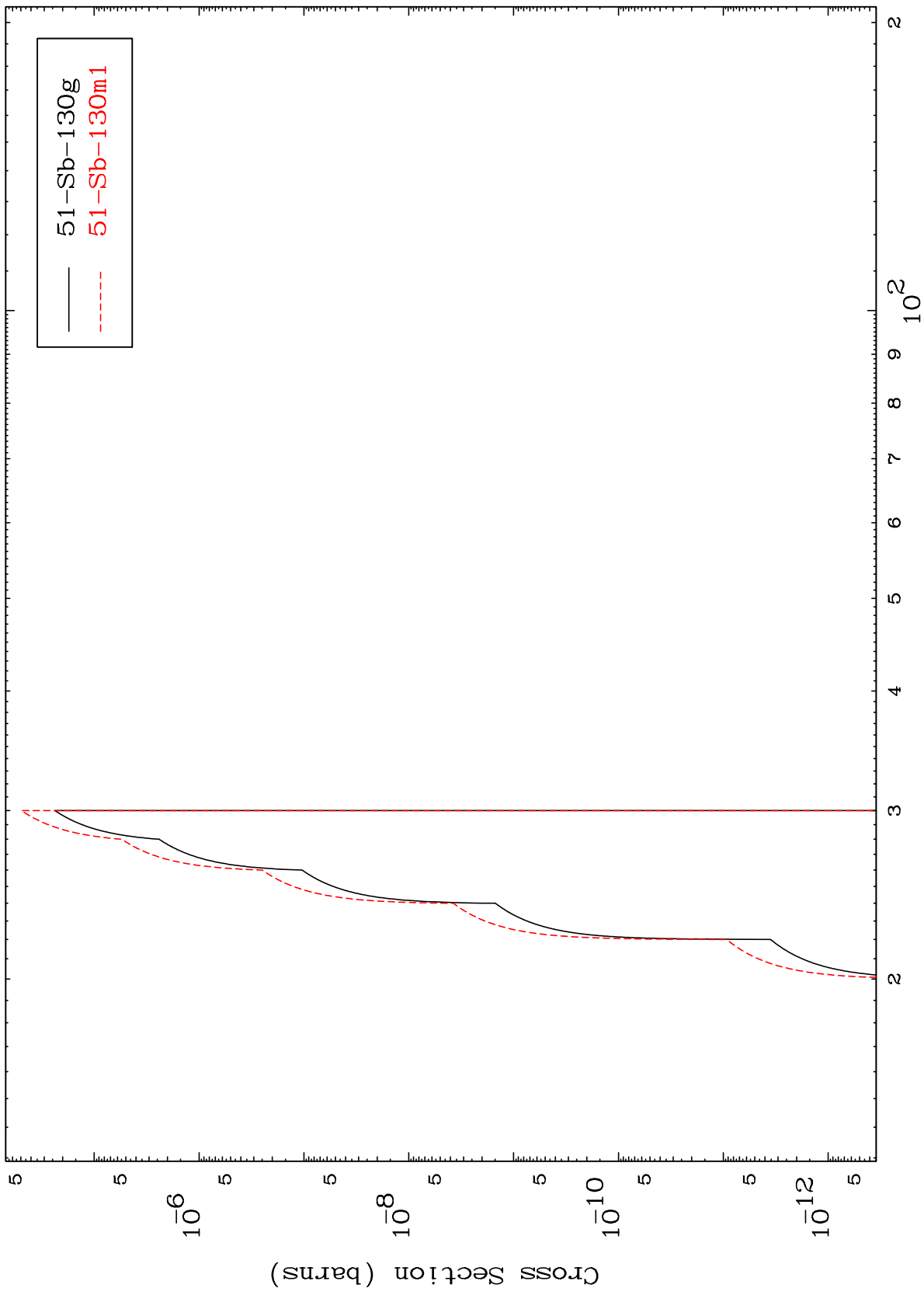
Incident Energy (MeV)

20

MAT 5150

51-Sb-129m

(n,He-3)  
Radionuclide Production Cross Section



21

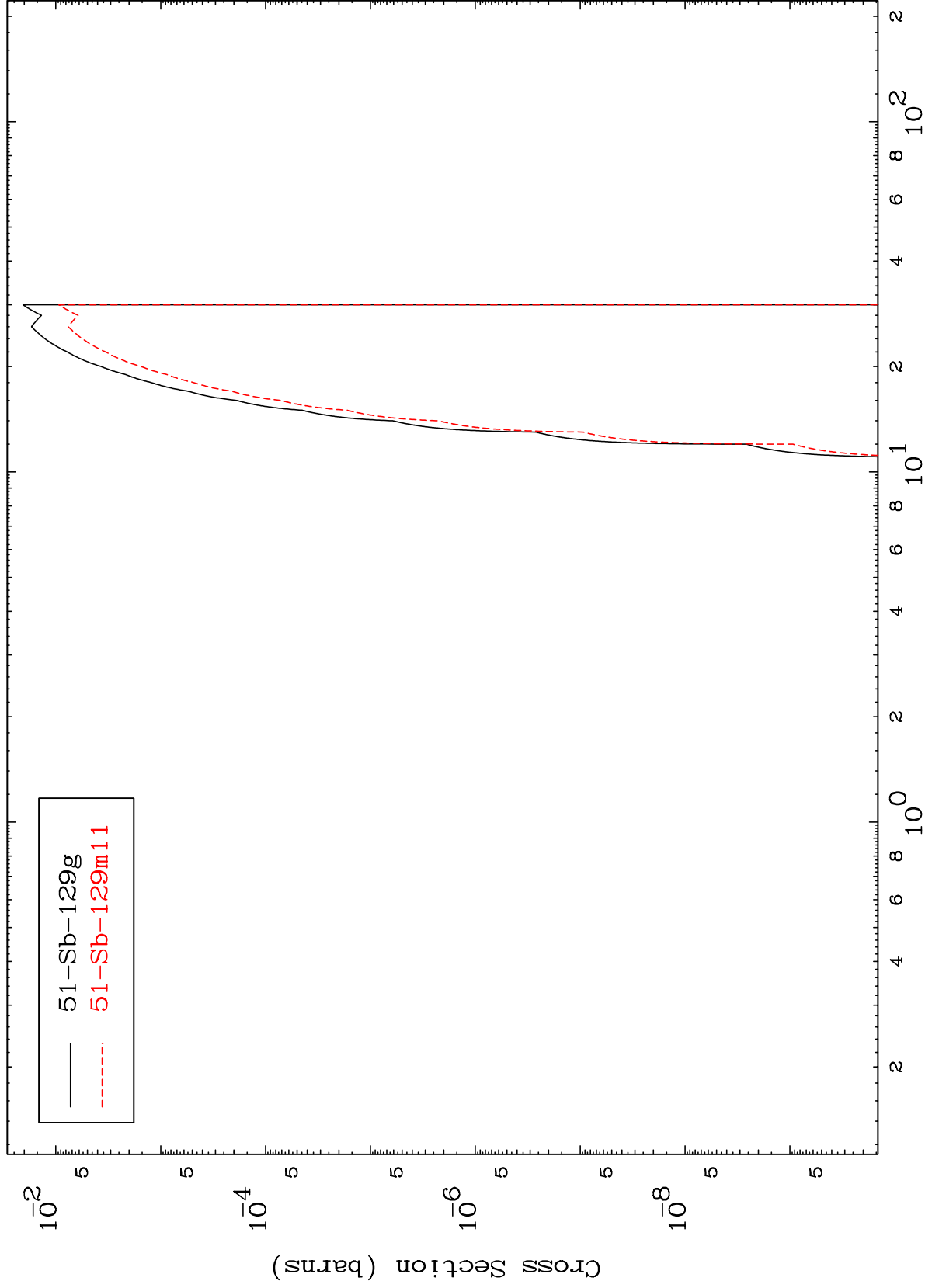
Incident Energy (MeV)

51-Sb-129m

MAT 5150

51-Sb-129m

Radionuclide Production Cross Section



22

51-Sb-129m

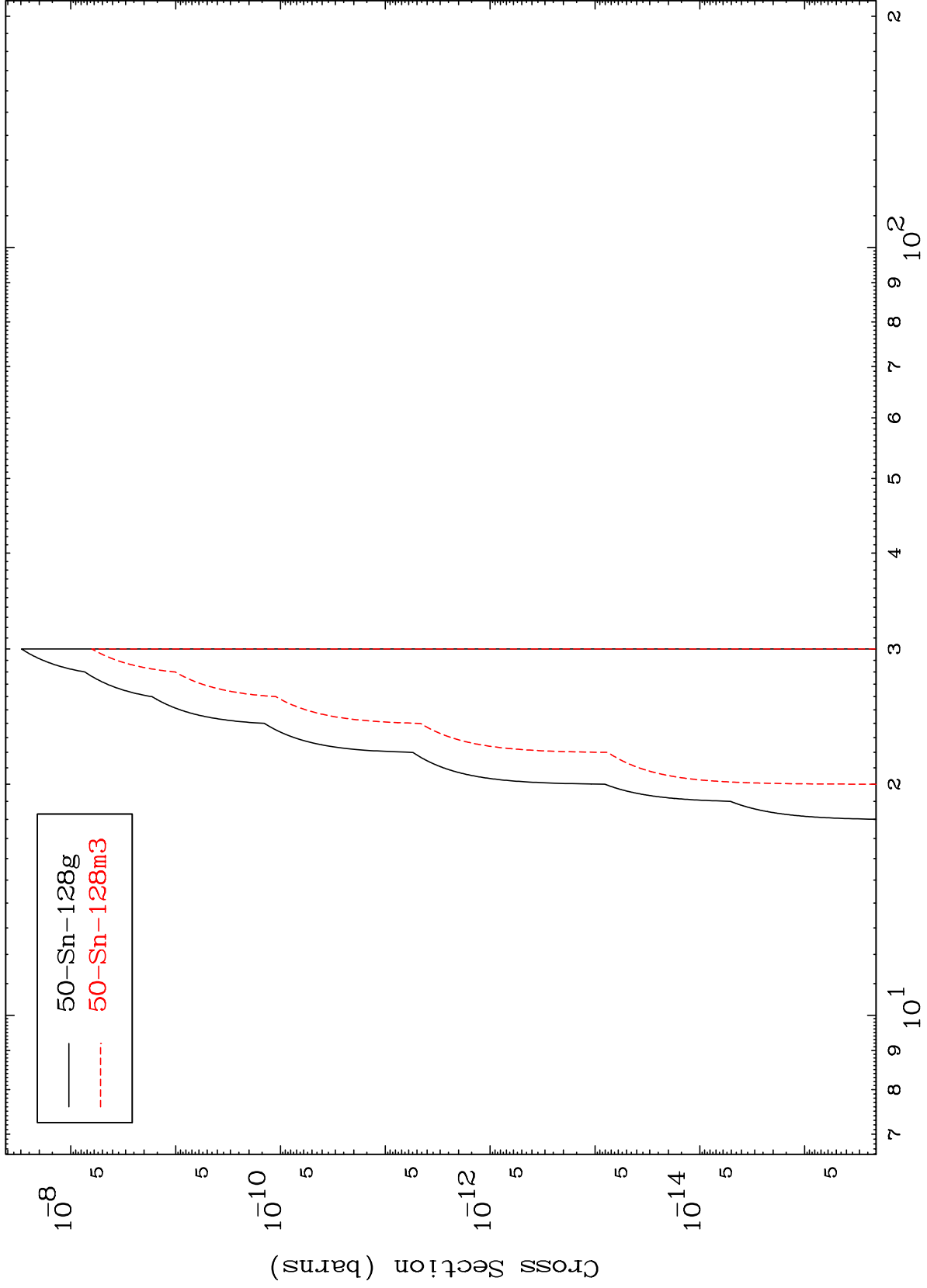
Incident Energy (MeV)

MAT 5150

(n,p)  $\alpha$

51-Sb-129m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

51-Sb-129m