

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)

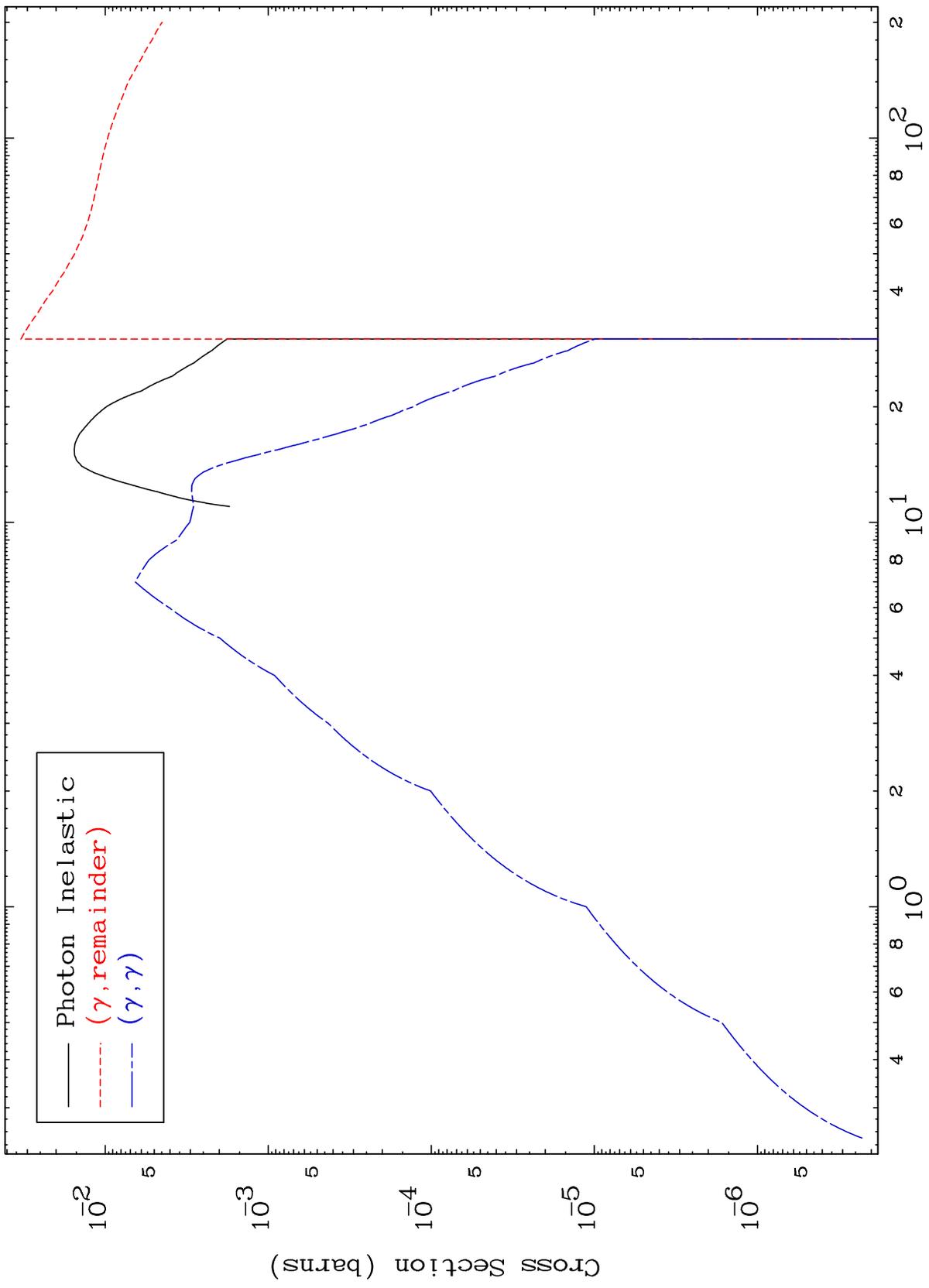
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

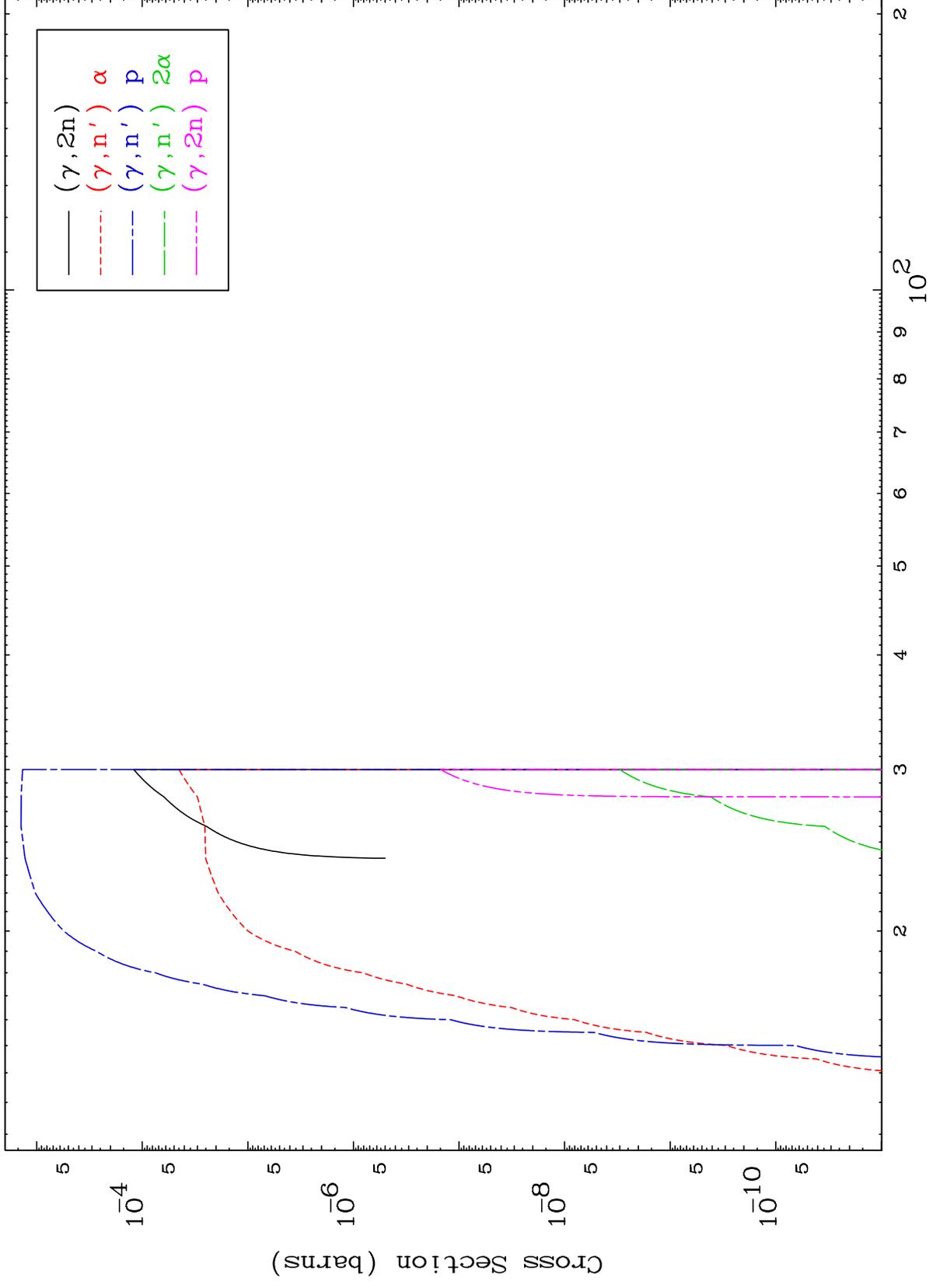
Press Mouse Button to Start

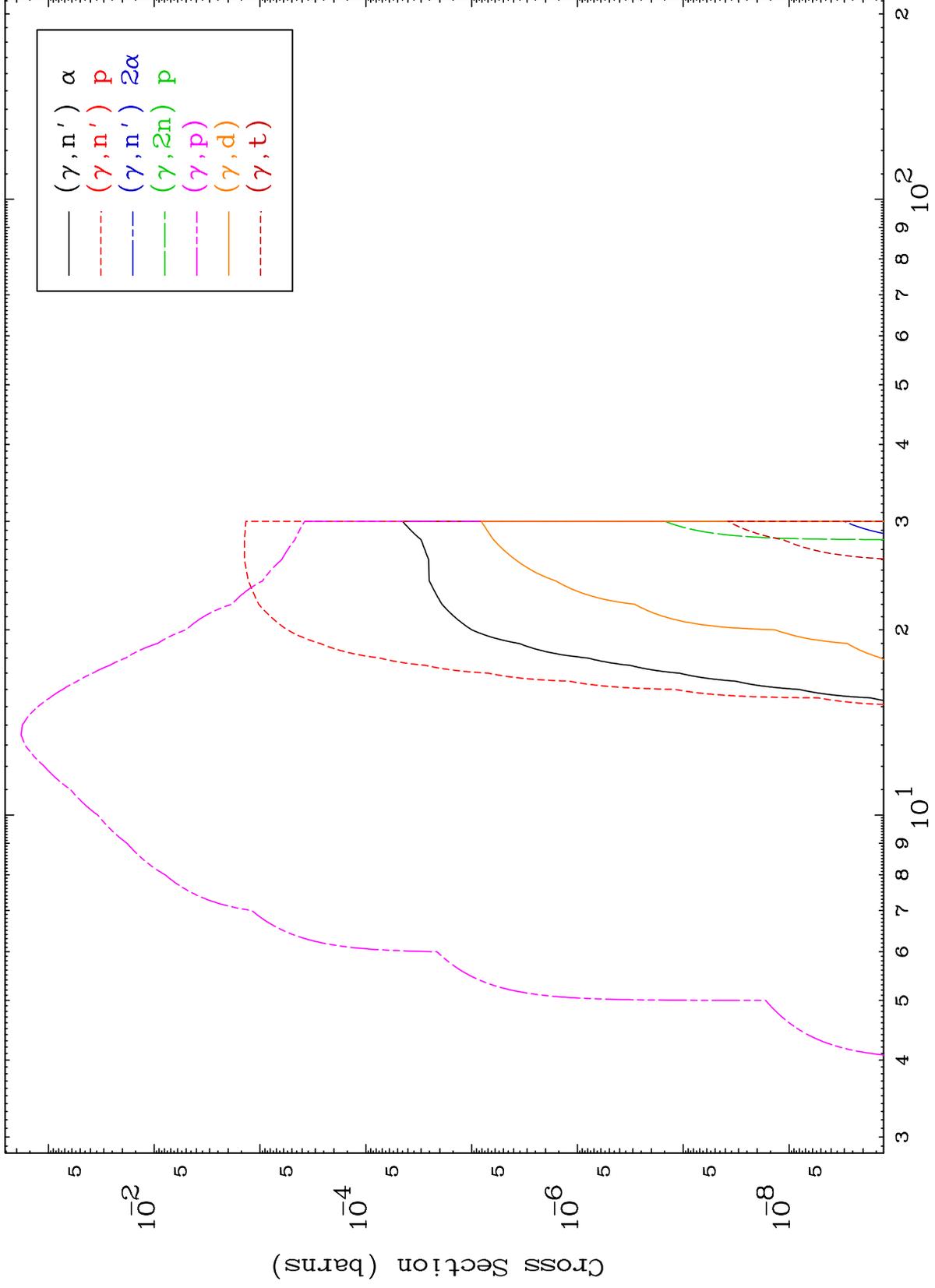
MAT 6780

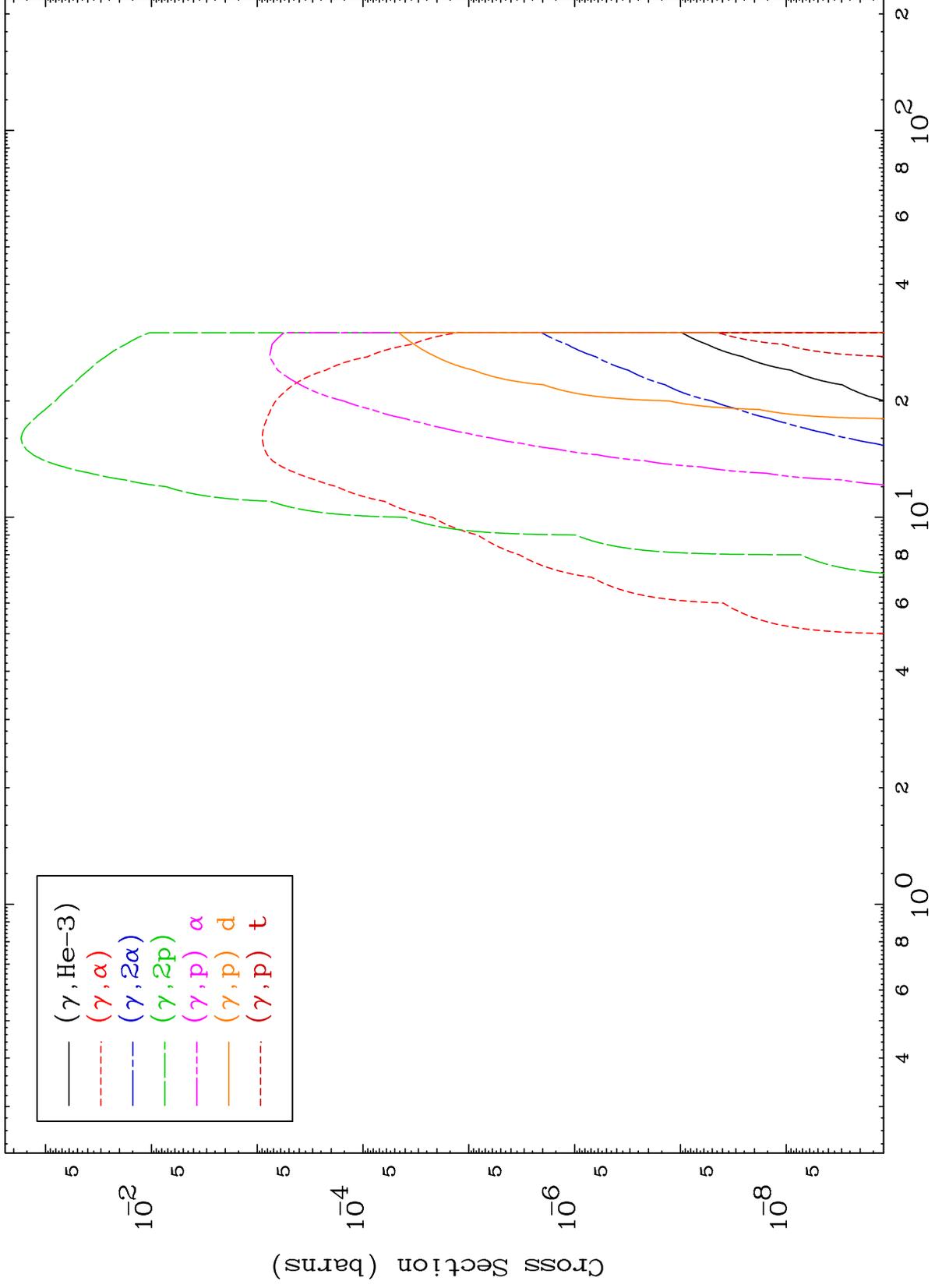
Photon Major  
0 Kelvin Cross Sections

68-Er-147







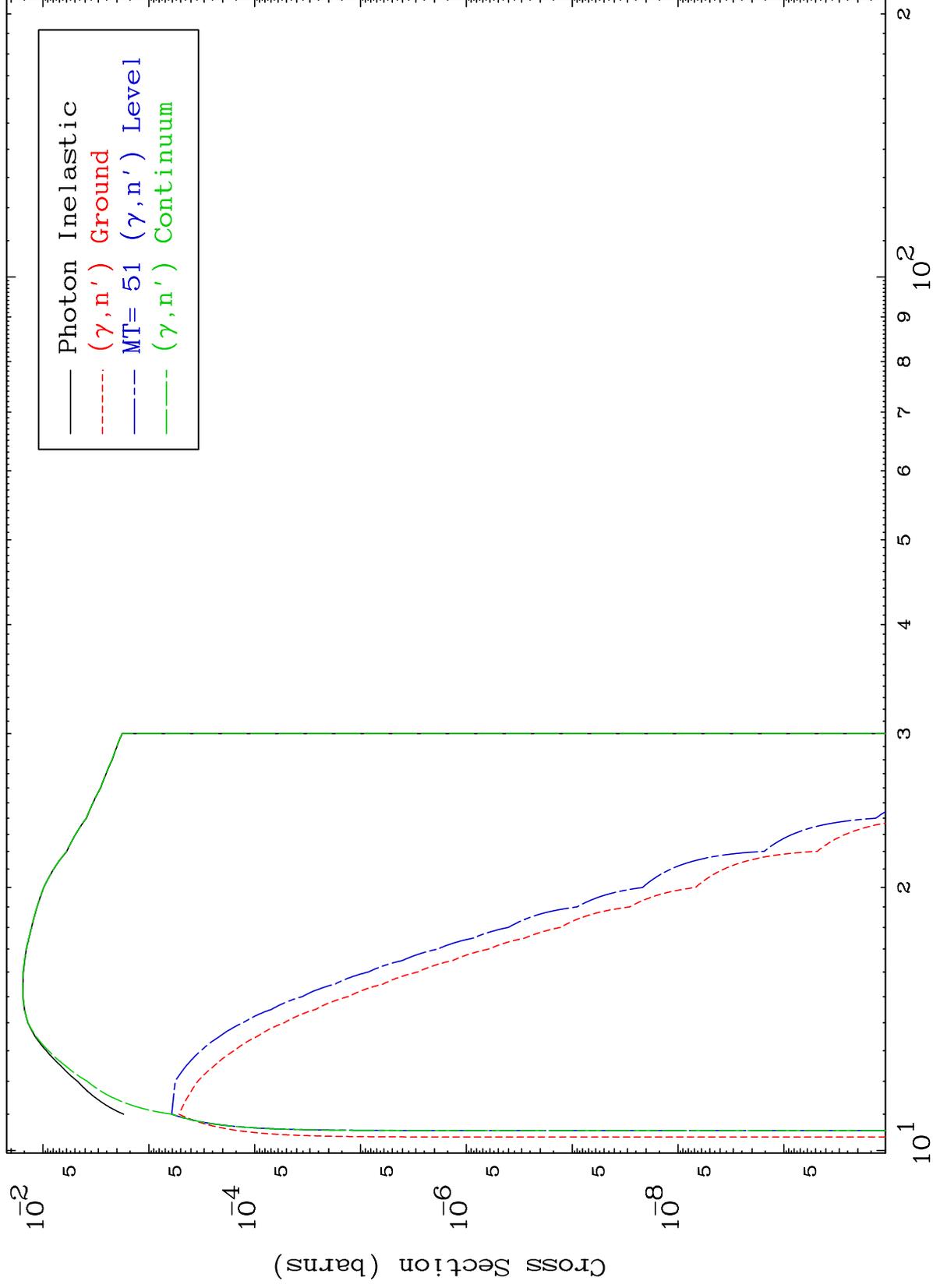


MAT 6780

$(\gamma, n')$  Level

68-Er-147

0 Kelvin Cross Sections



Incident Energy (MeV)

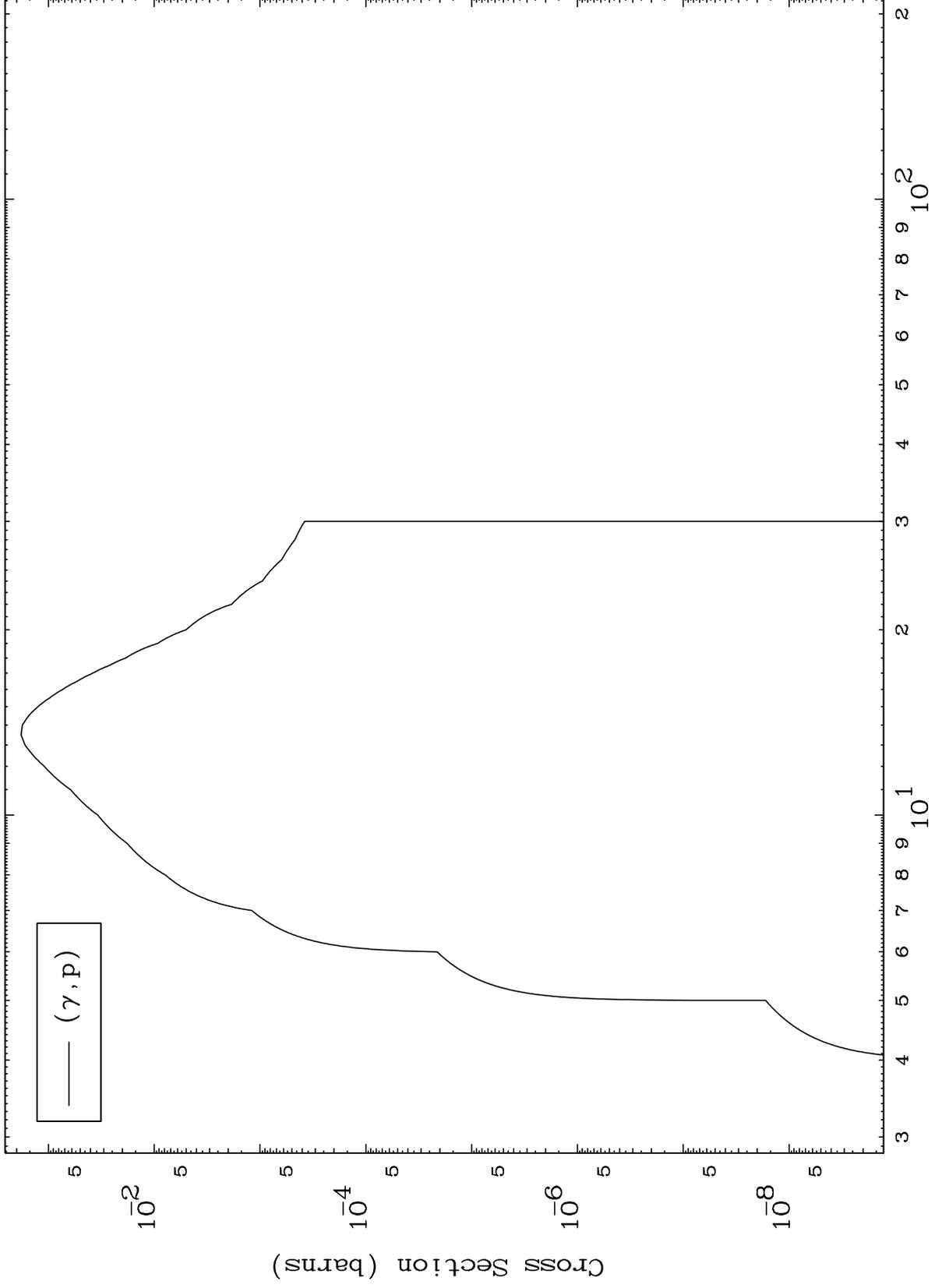
68-Er-147

MAT 6780

( $\gamma, p$ ) Levels

68-Er-147

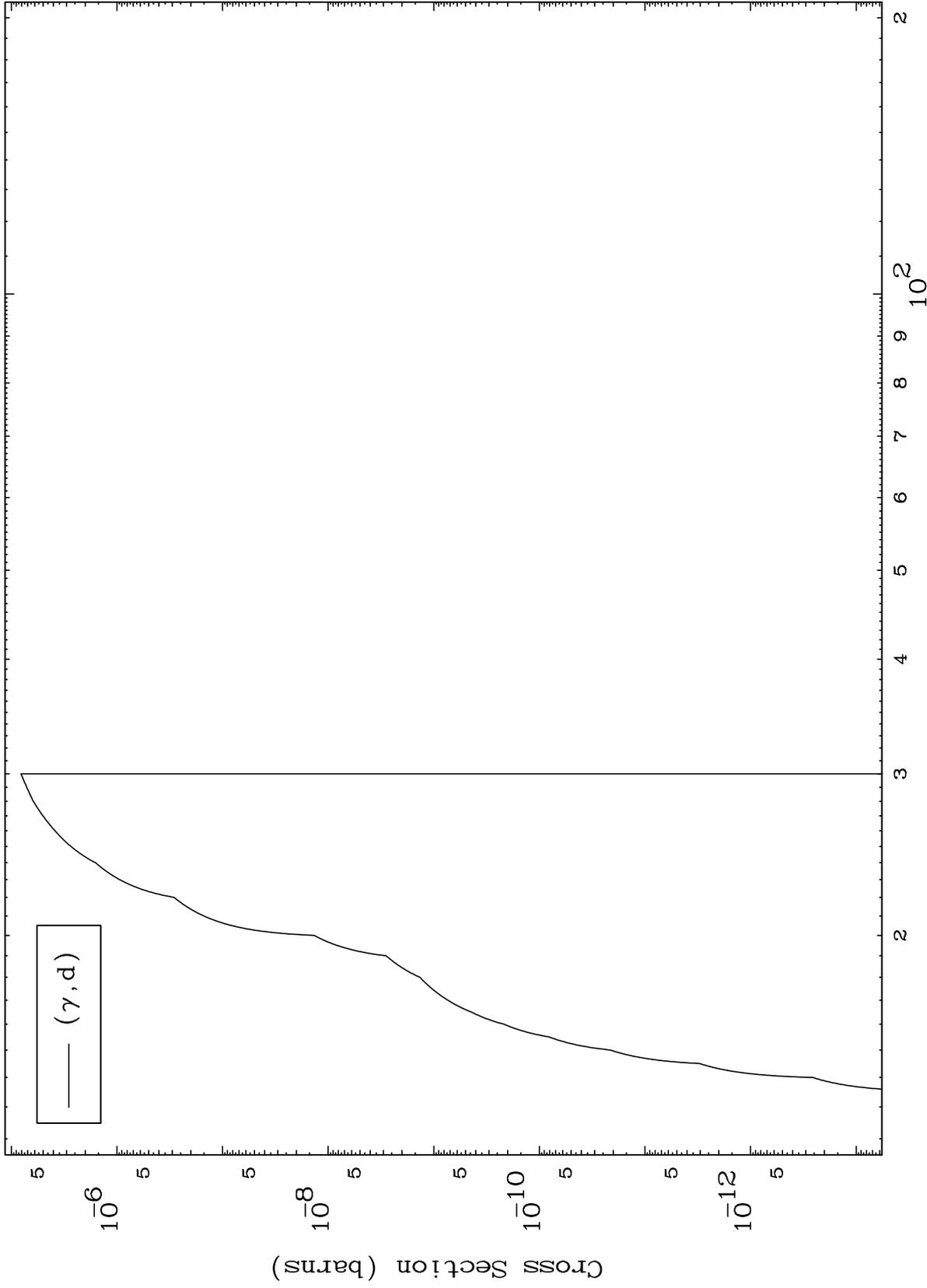
0 Kelvin Cross Sections



6

Incident Energy (MeV)

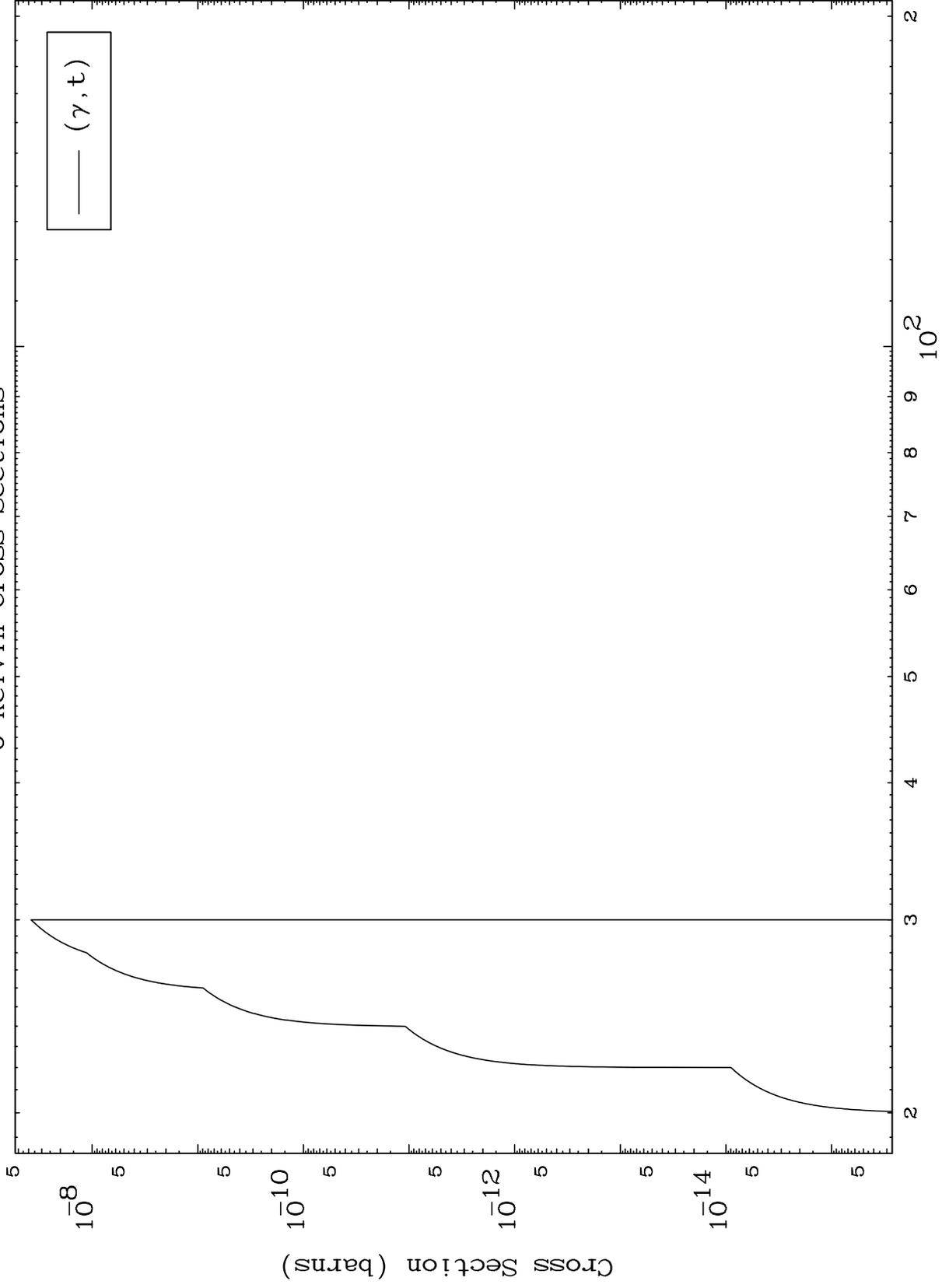
68-Er-147



MAT 6780

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

68-Er-147



8

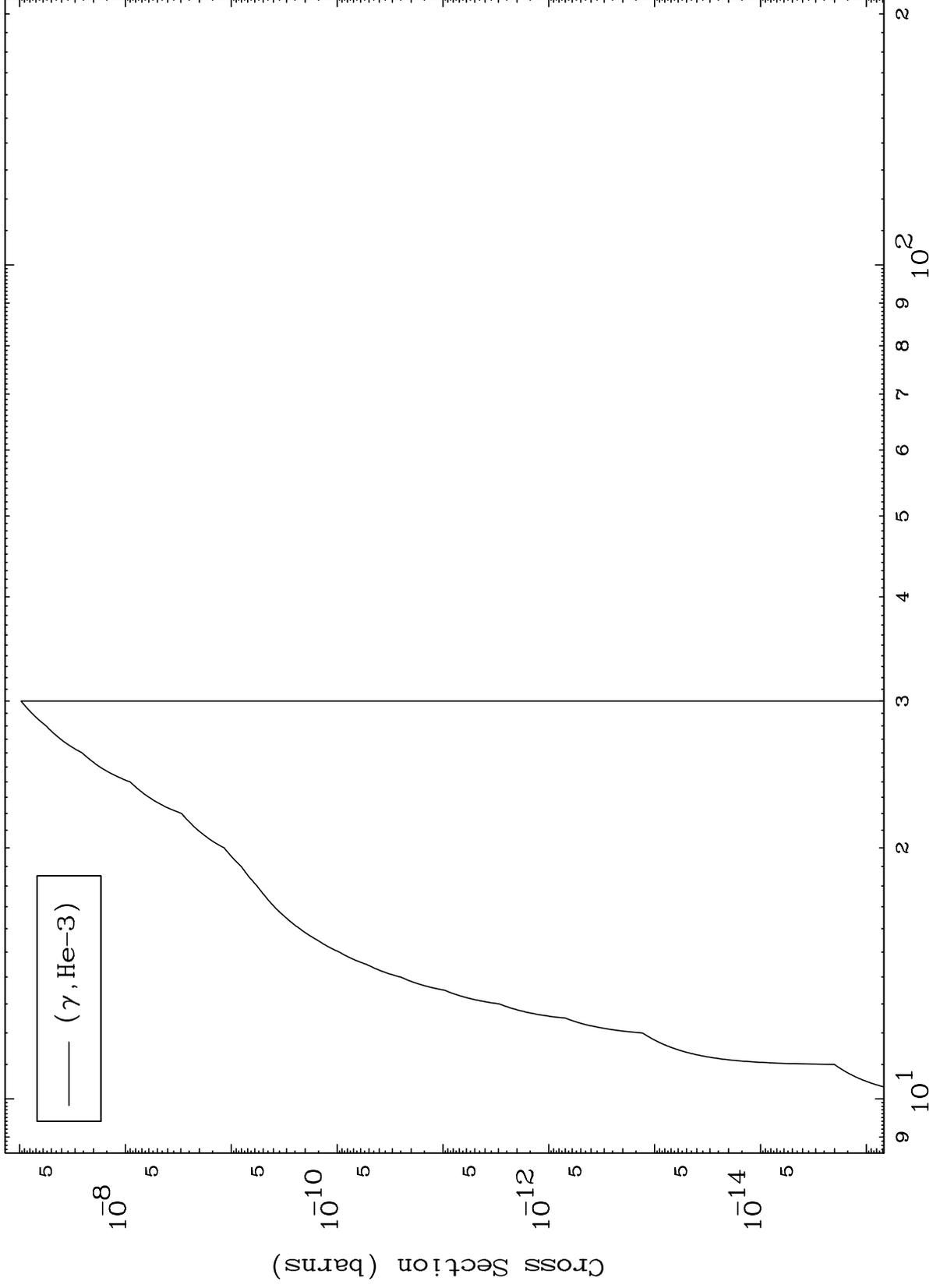
Incident Energy (MeV)

68-Er-147

MAT 6780

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

68-Er-147



Incident Energy (MeV)

68-Er-147

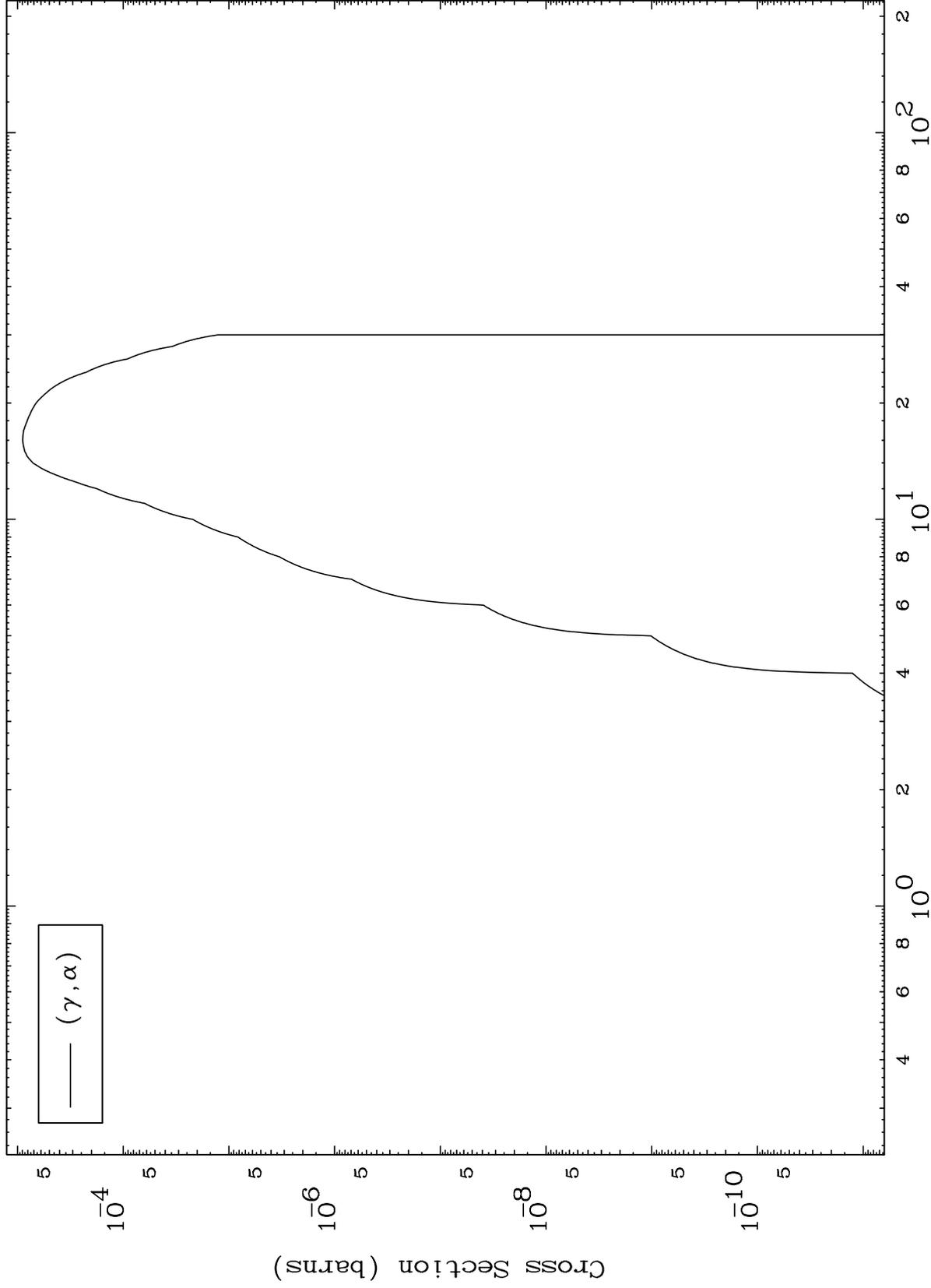
9

MAT 6780

( $\gamma, \alpha$ ) Levels

68-Er-147

0 Kelvin Cross Sections



10

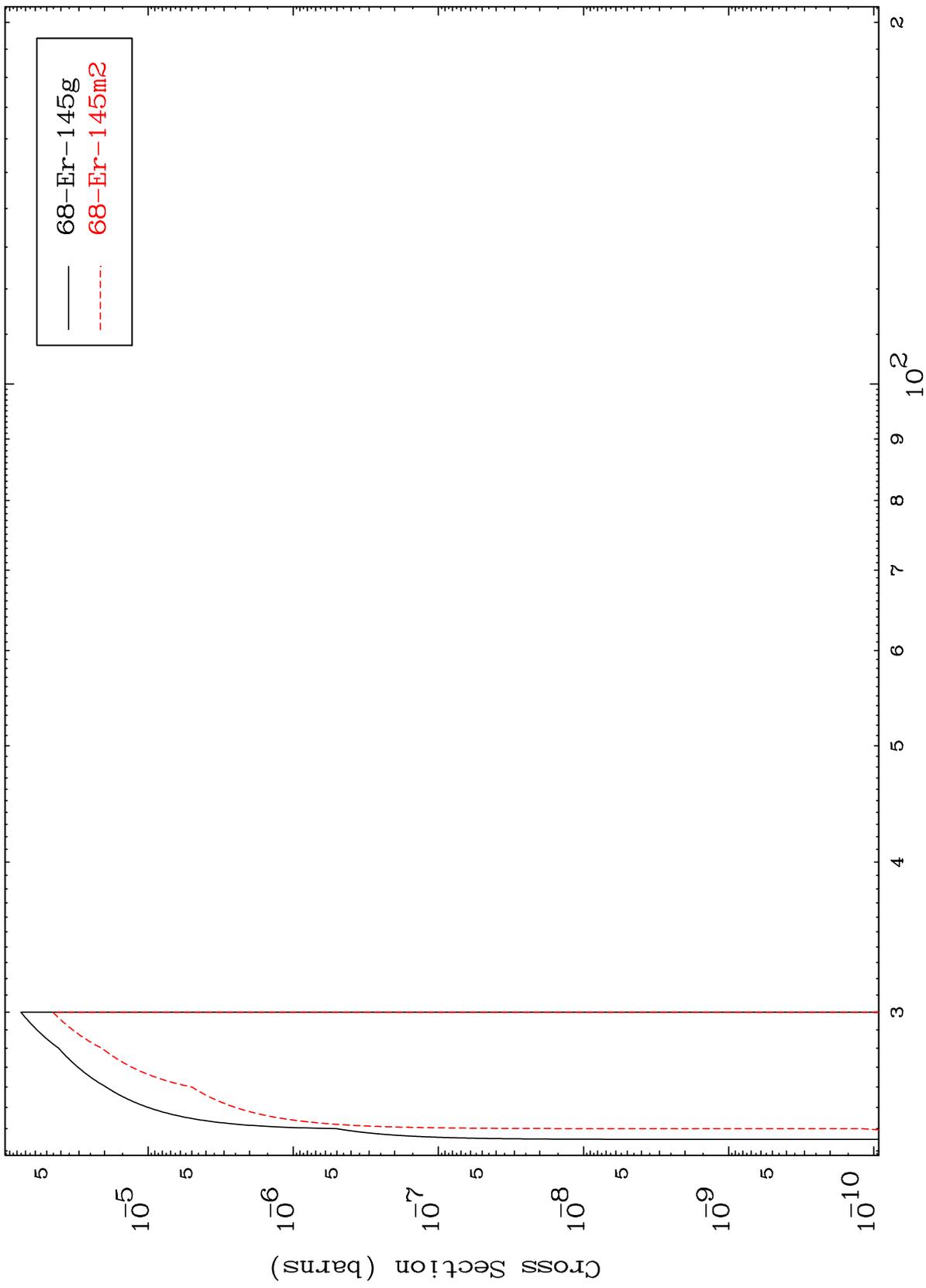
Incident Energy (MeV)

68-Er-147

MAT 6780

68-Er-147

( $\gamma, 2n$ )  
Radionuclide Production Cross Section



11

Incident Energy (MeV)

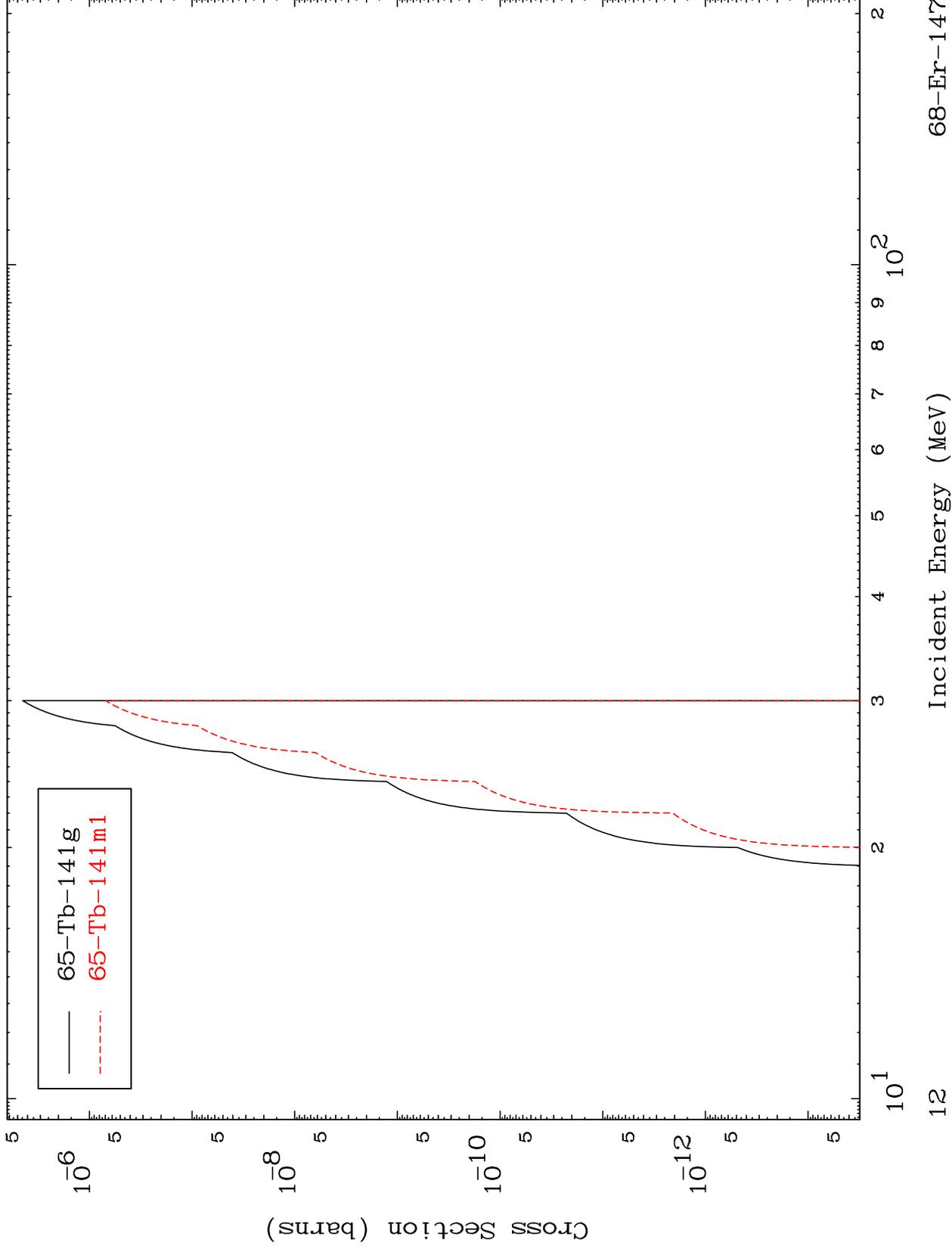
68-Er-147

MAT 6780

( $\gamma, n'$ ) p  $\alpha$

68-Er-147

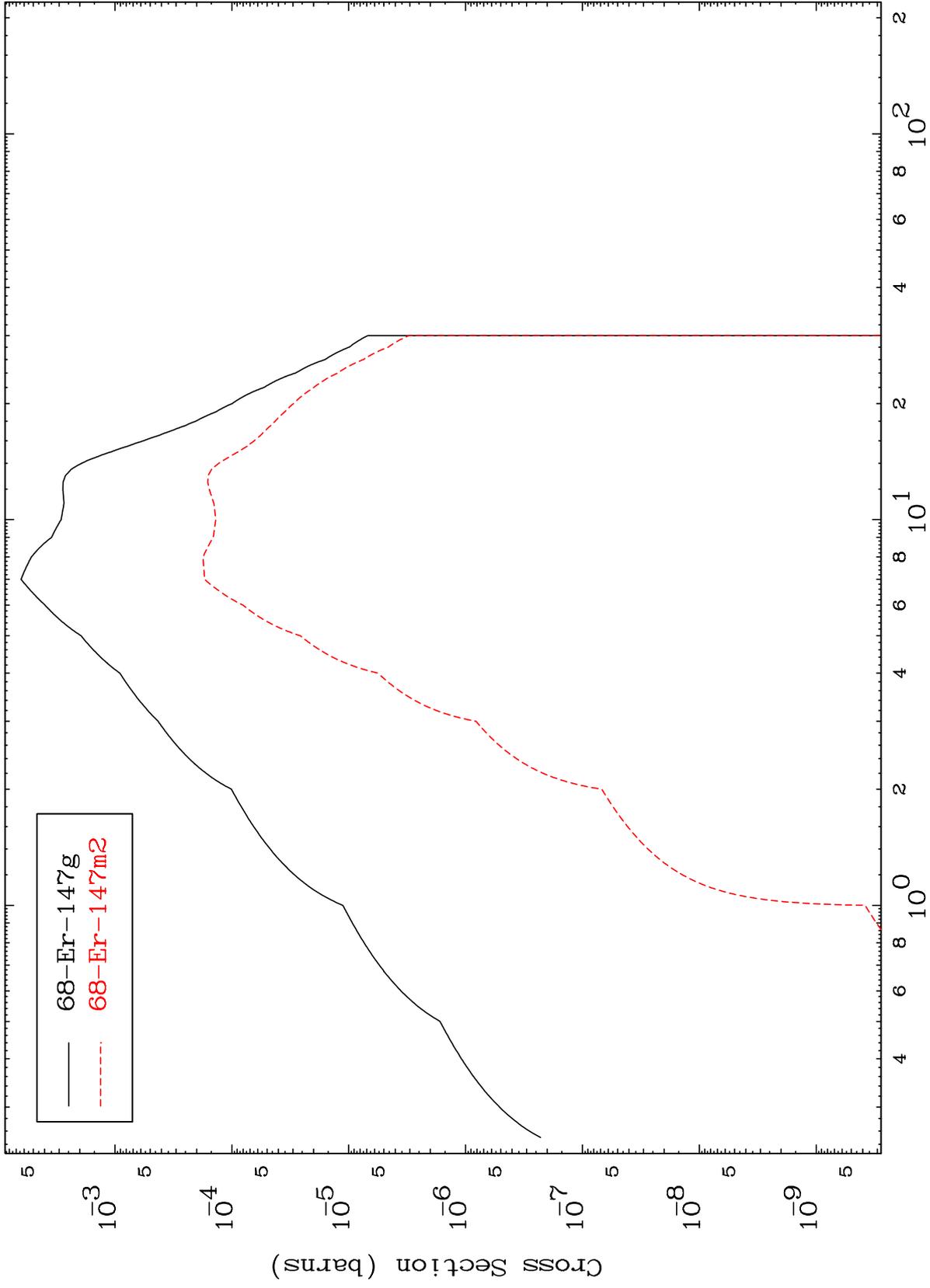
Radionuclide Production Cross Section



MAT 6780

68-Er-147

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



13

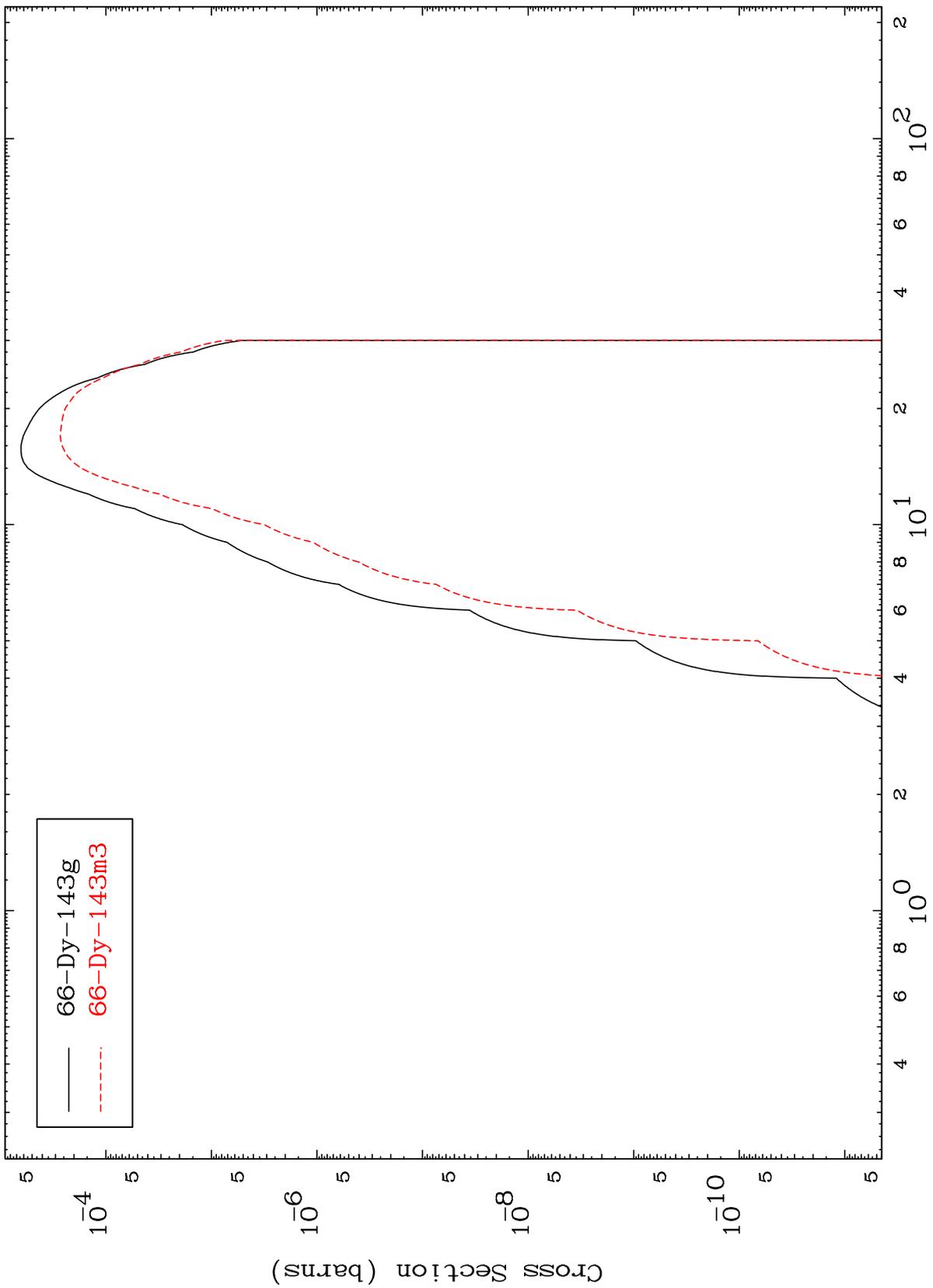
Incident Energy (MeV)

68-Er-147

MAT 6780

68-Er-147

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



68-Er-147

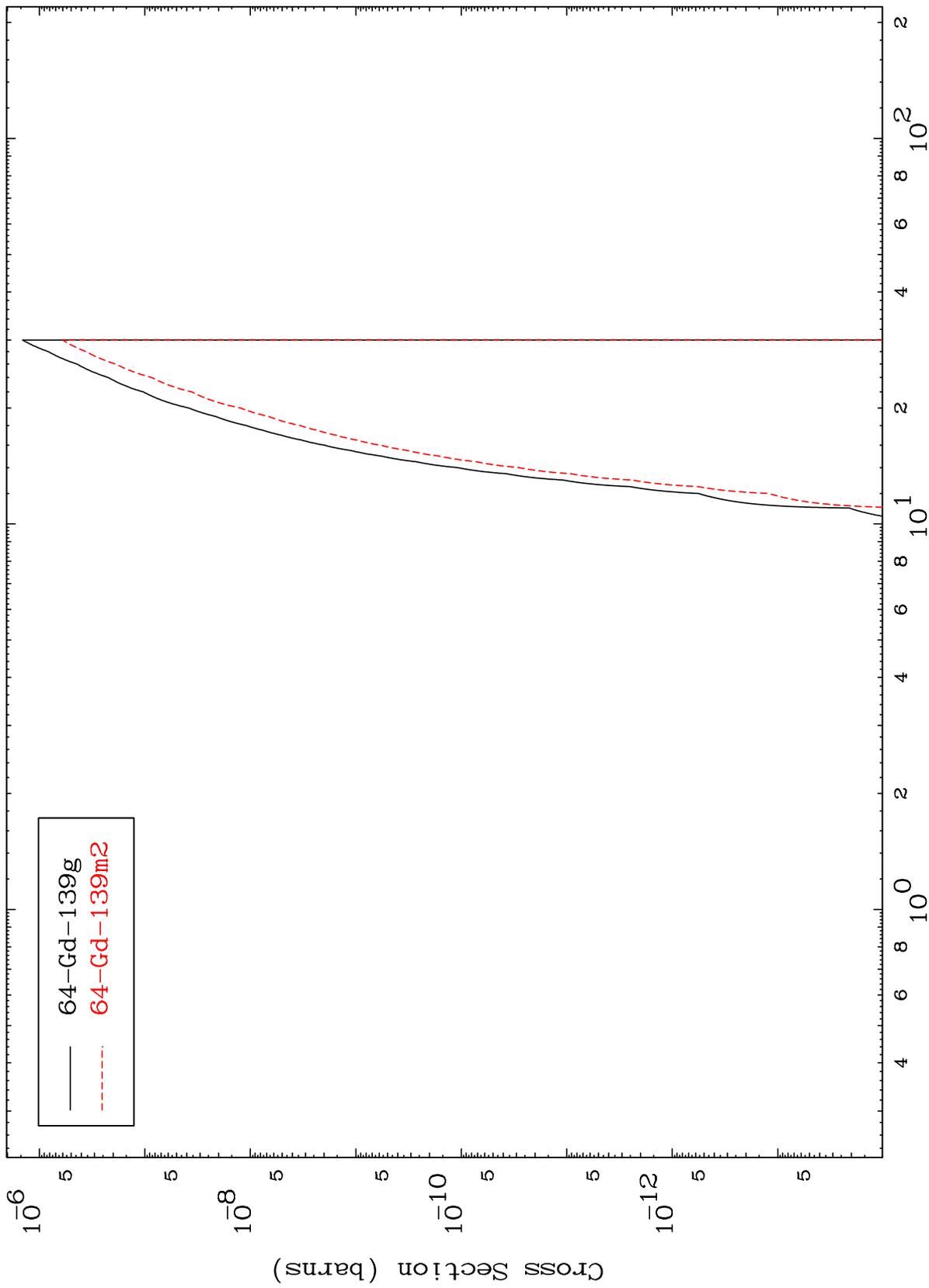
Incident Energy (MeV)

14

MAT 6780

68-Er-147

Radionuclide Production Cross Section  
( $\gamma, 2\alpha$ )



68-Er-147

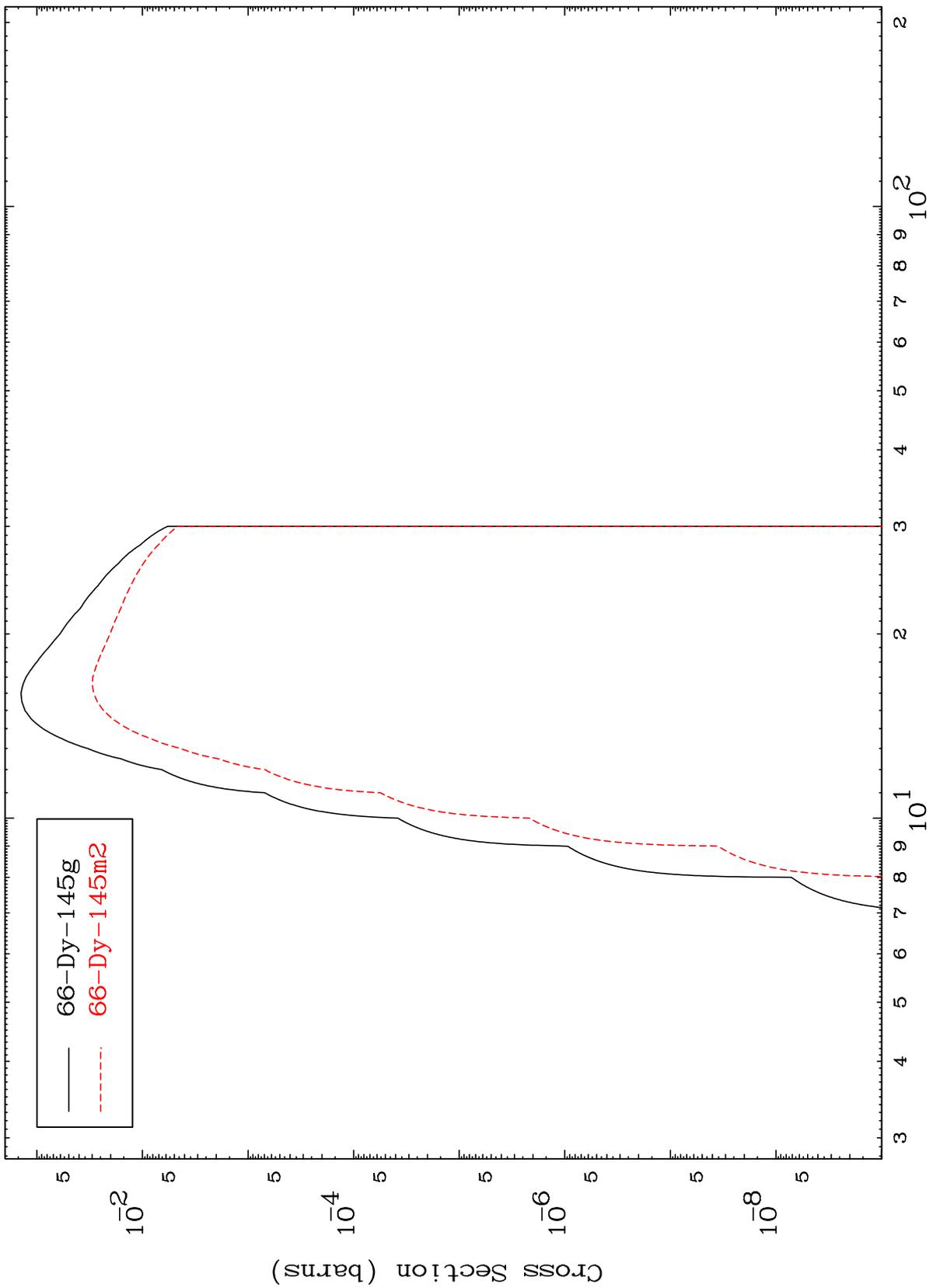
Incident Energy (MeV)

15

MAT 6780

68-Er-147

Radionuclide Production Cross Section  
( $\gamma, 2p$ )



16

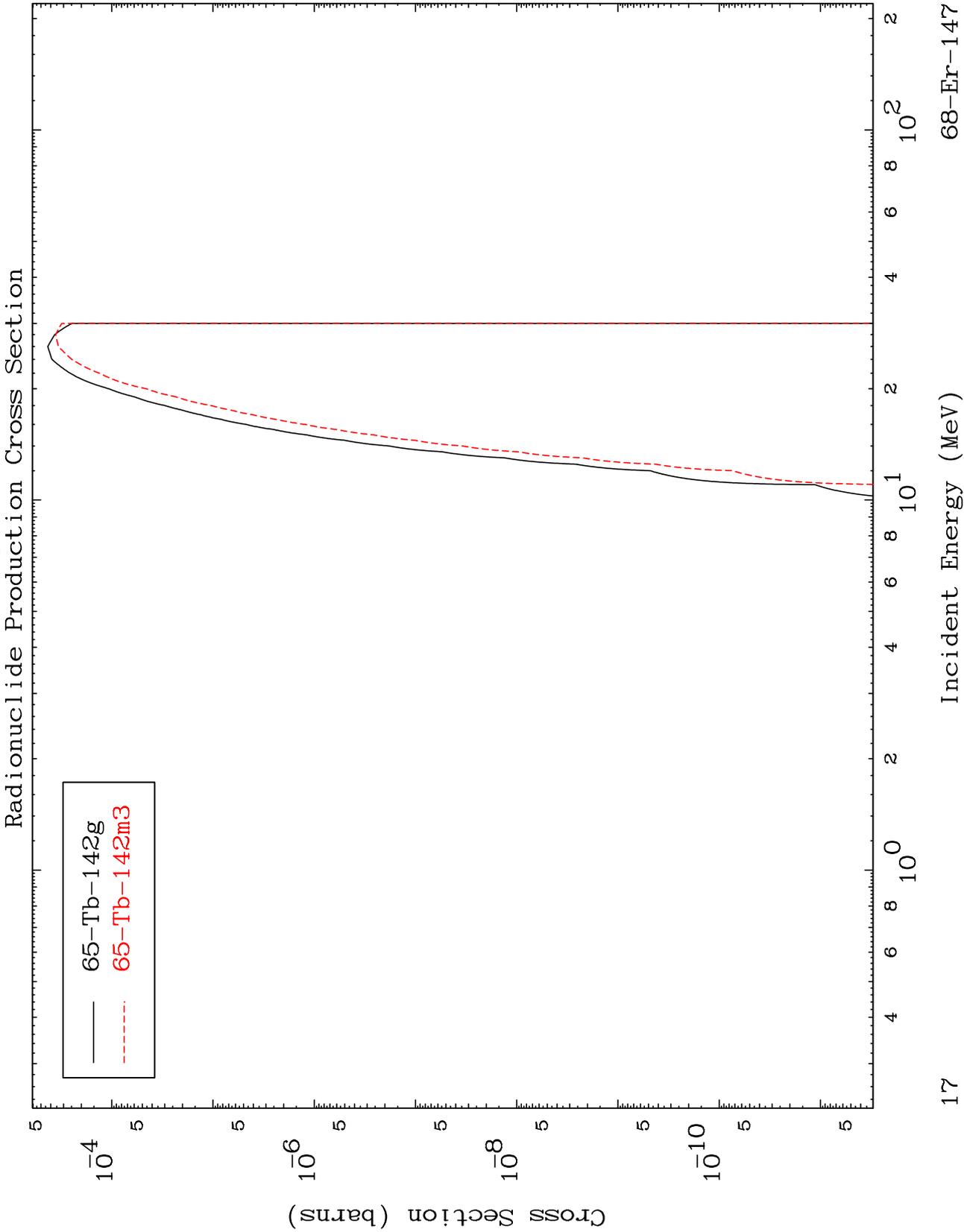
Incident Energy (MeV)

68-Er-147

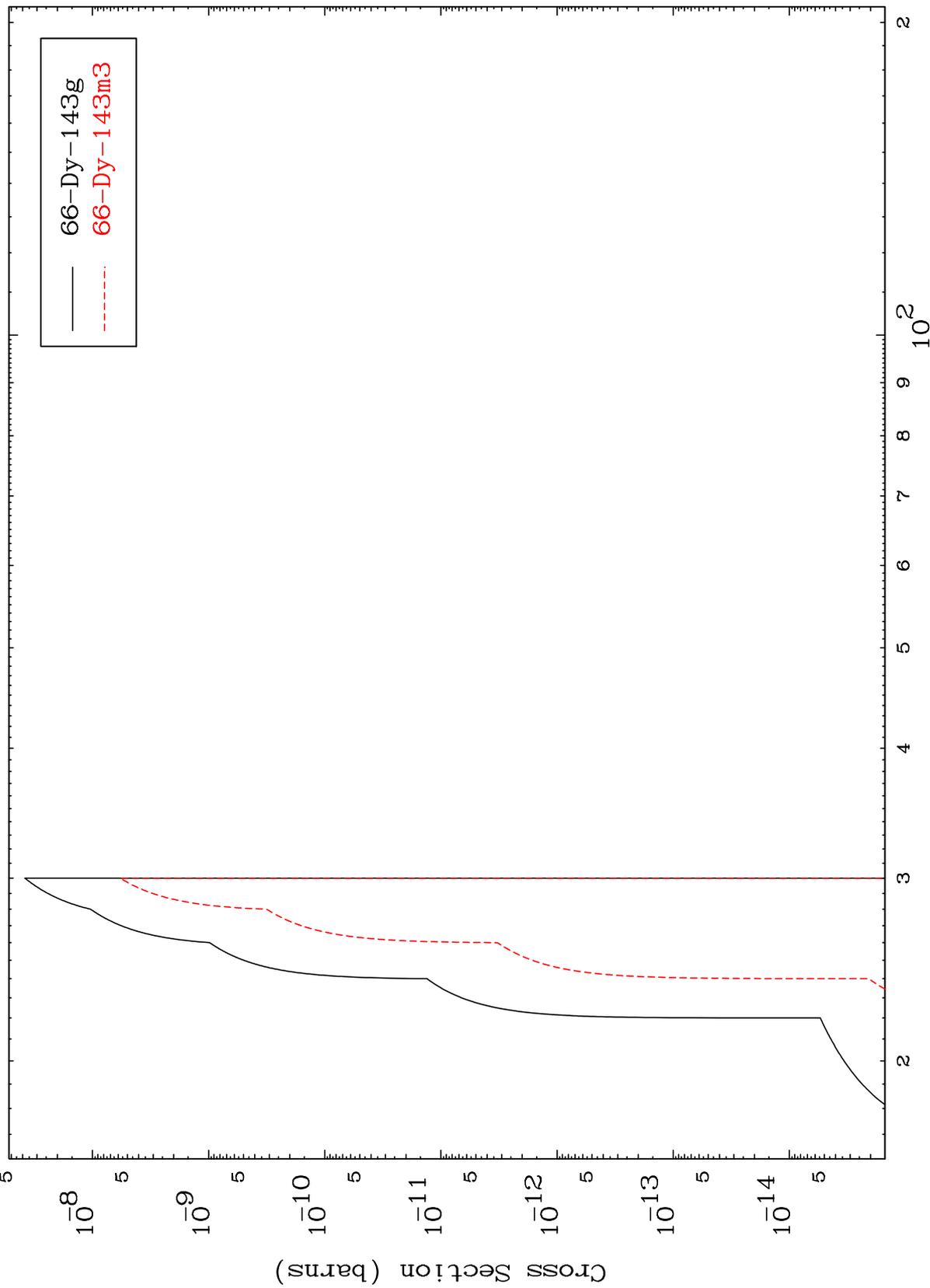
MAT 6780

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

68-Er-147



Radionuclide Production Cross Section

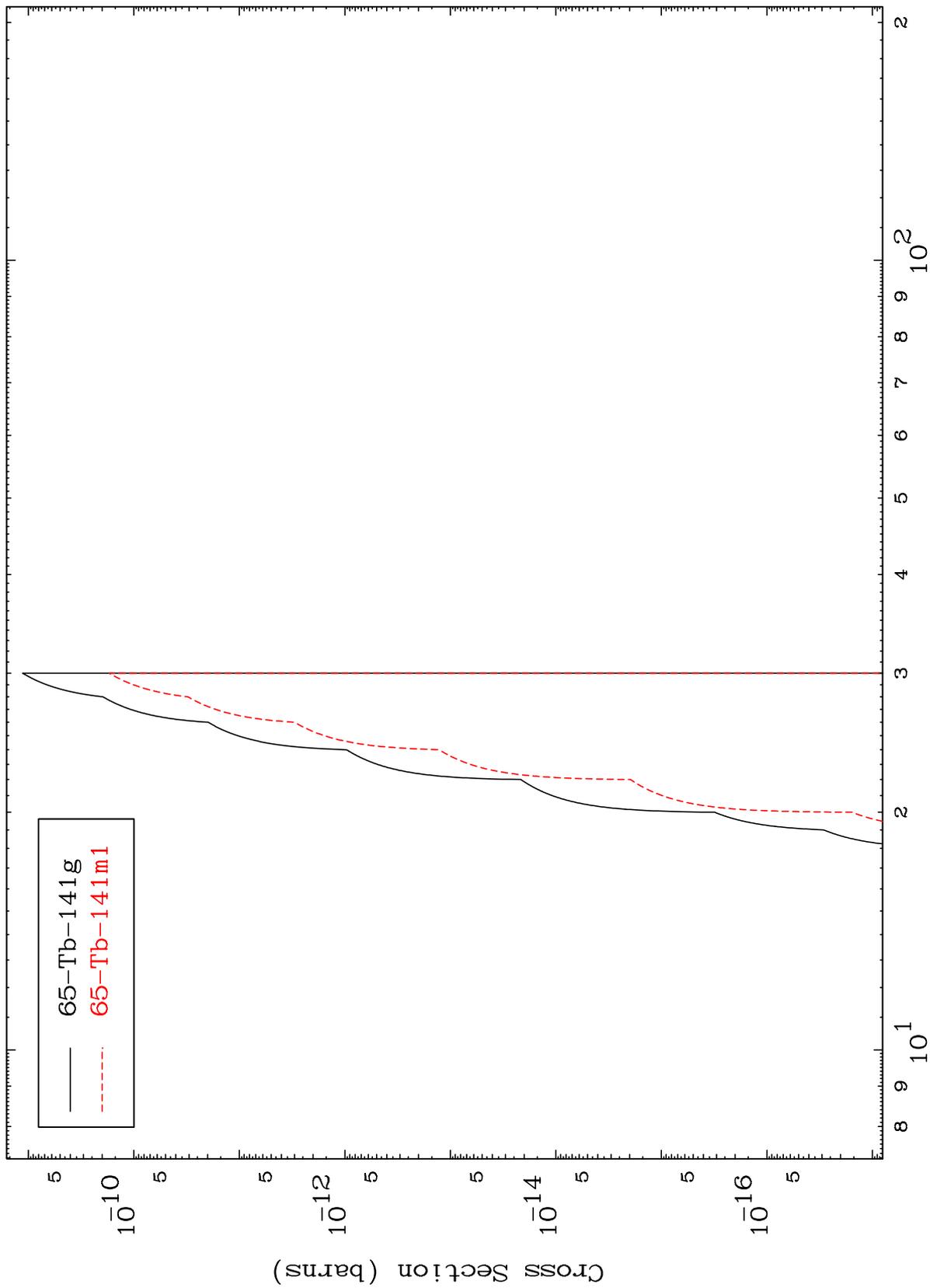


MAT 6780

( $\gamma, d$ )  $\alpha$

68-Er-147

Radionuclide Production Cross Section



19

Incident Energy (MeV)

68-Er-147