

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

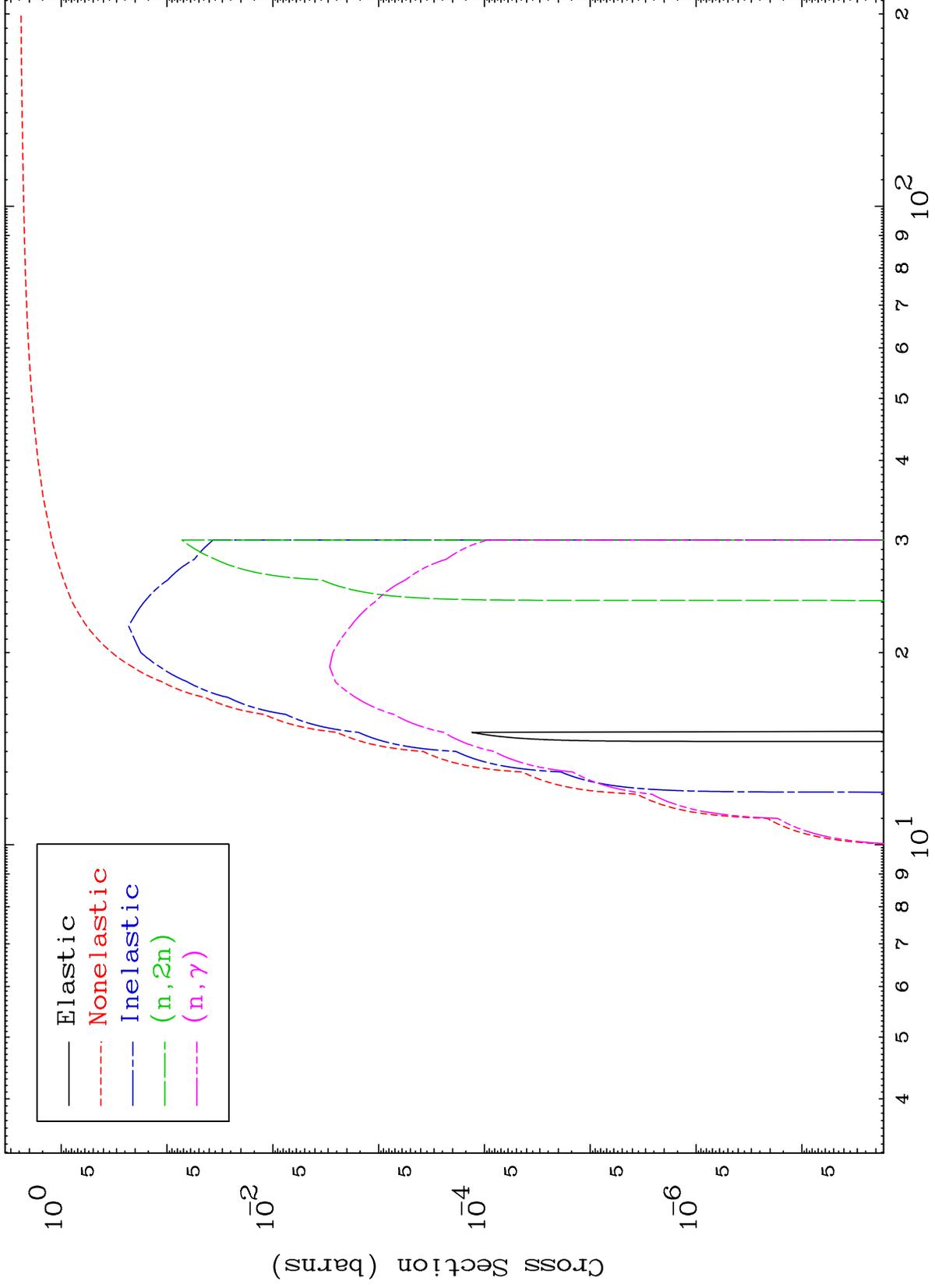
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

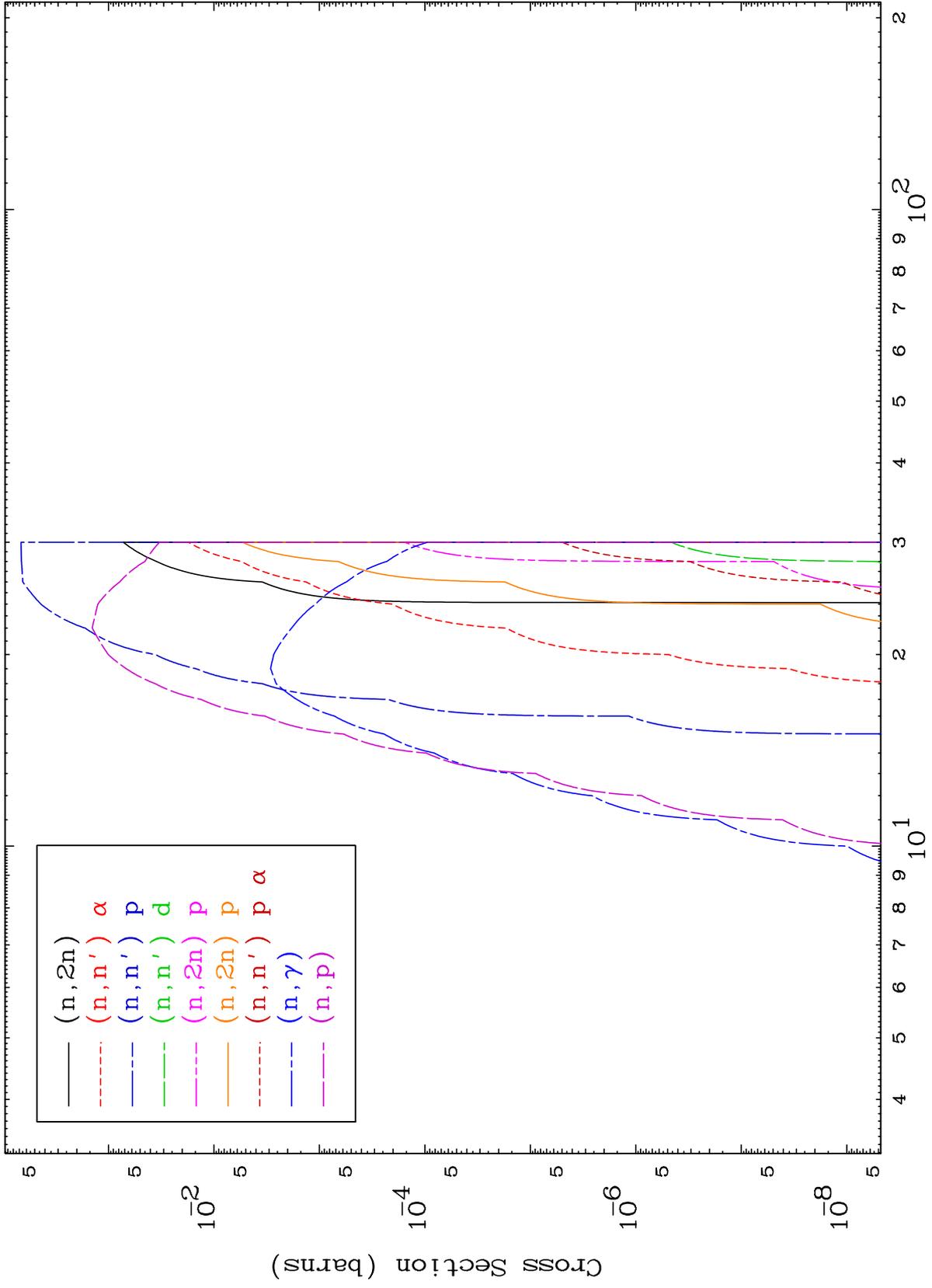
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

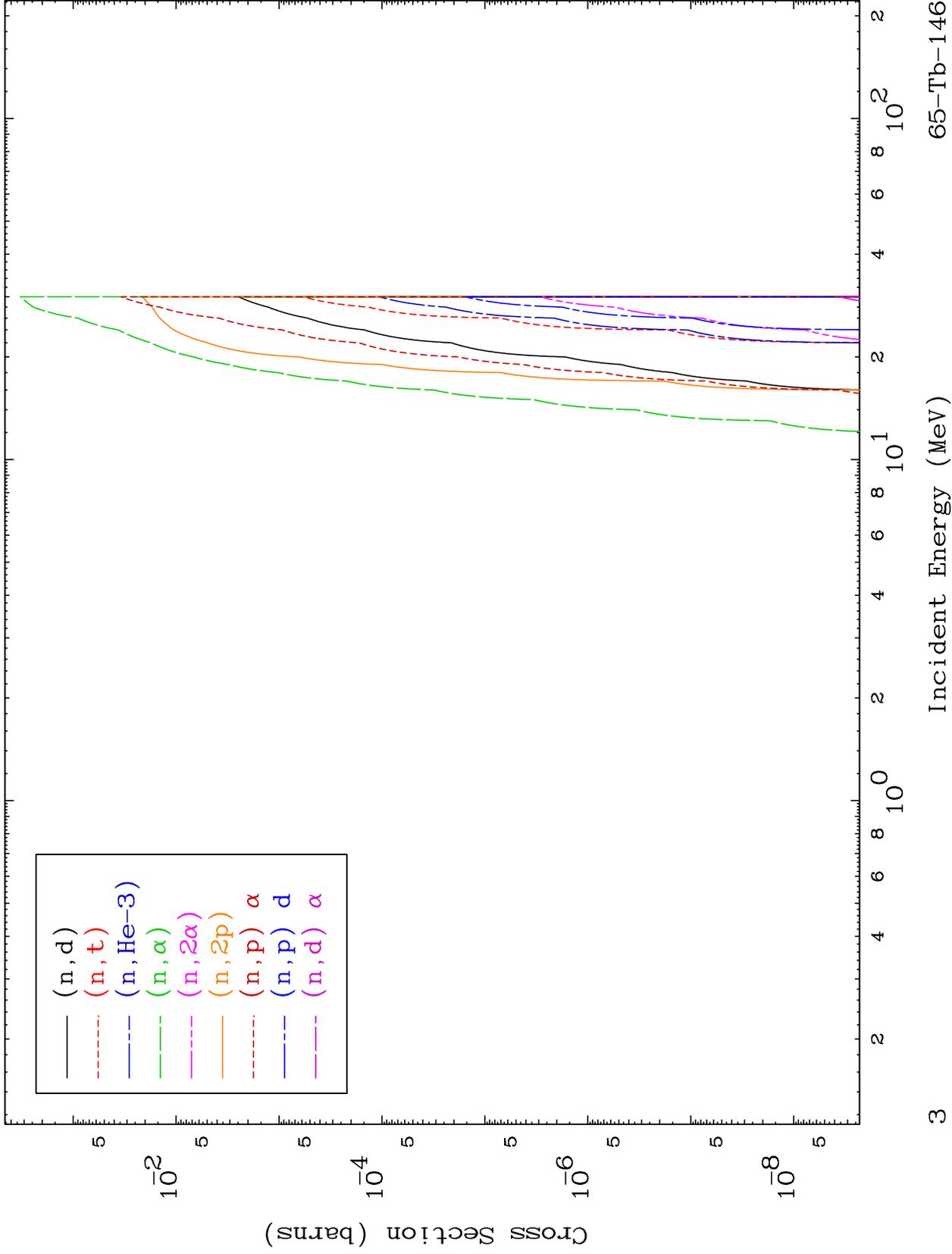


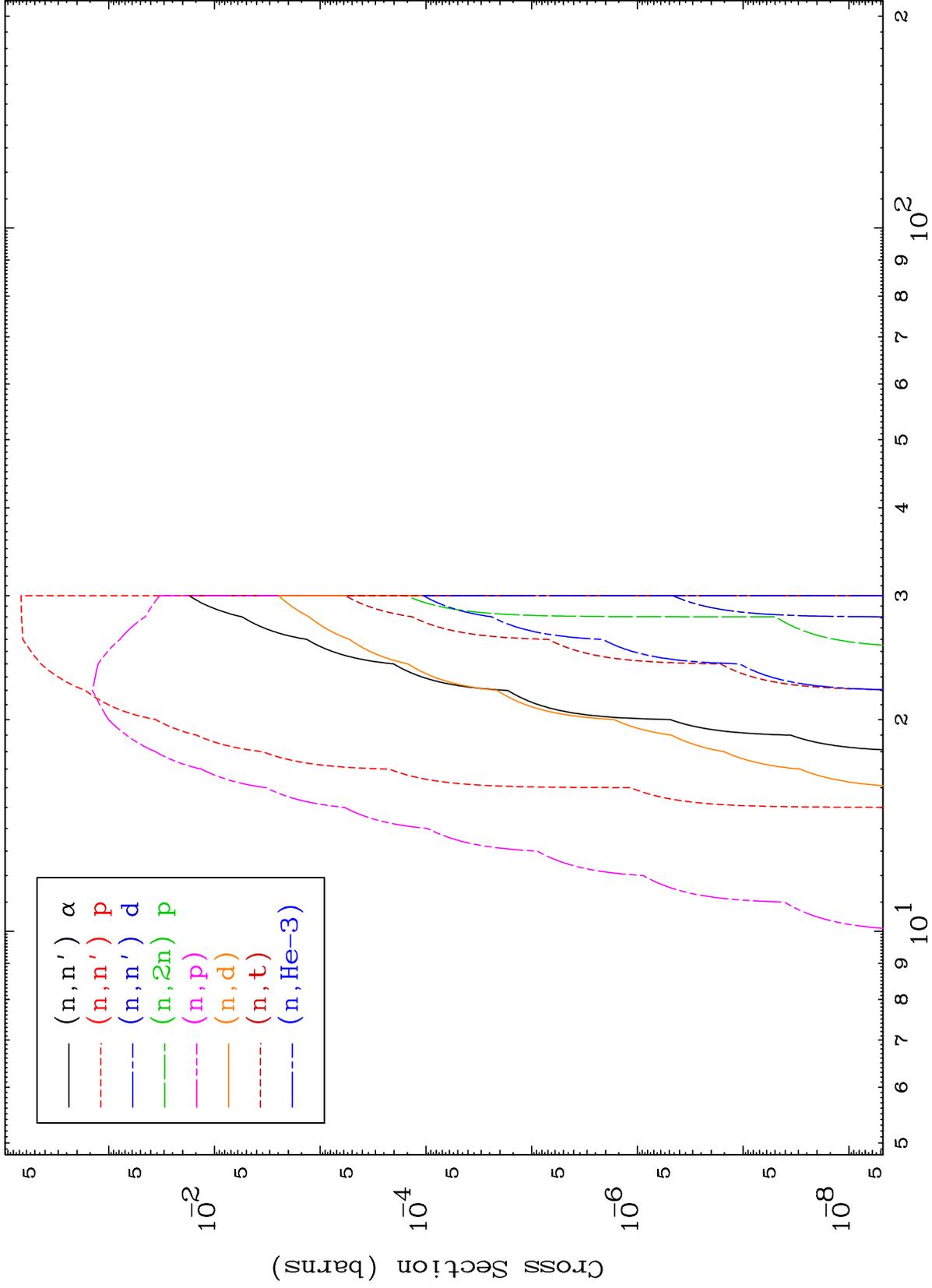


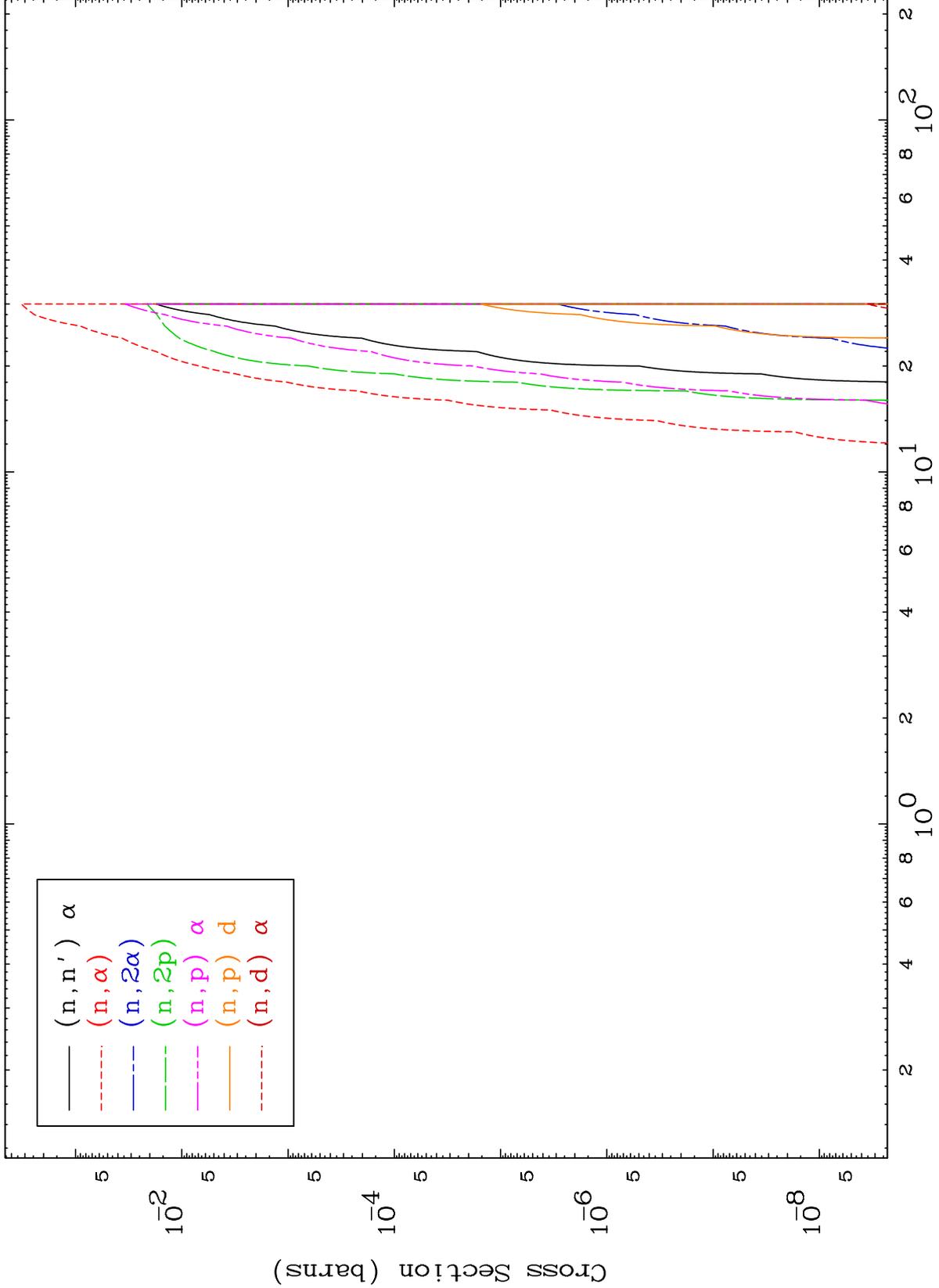
MAT 6486

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

65-Tb-146



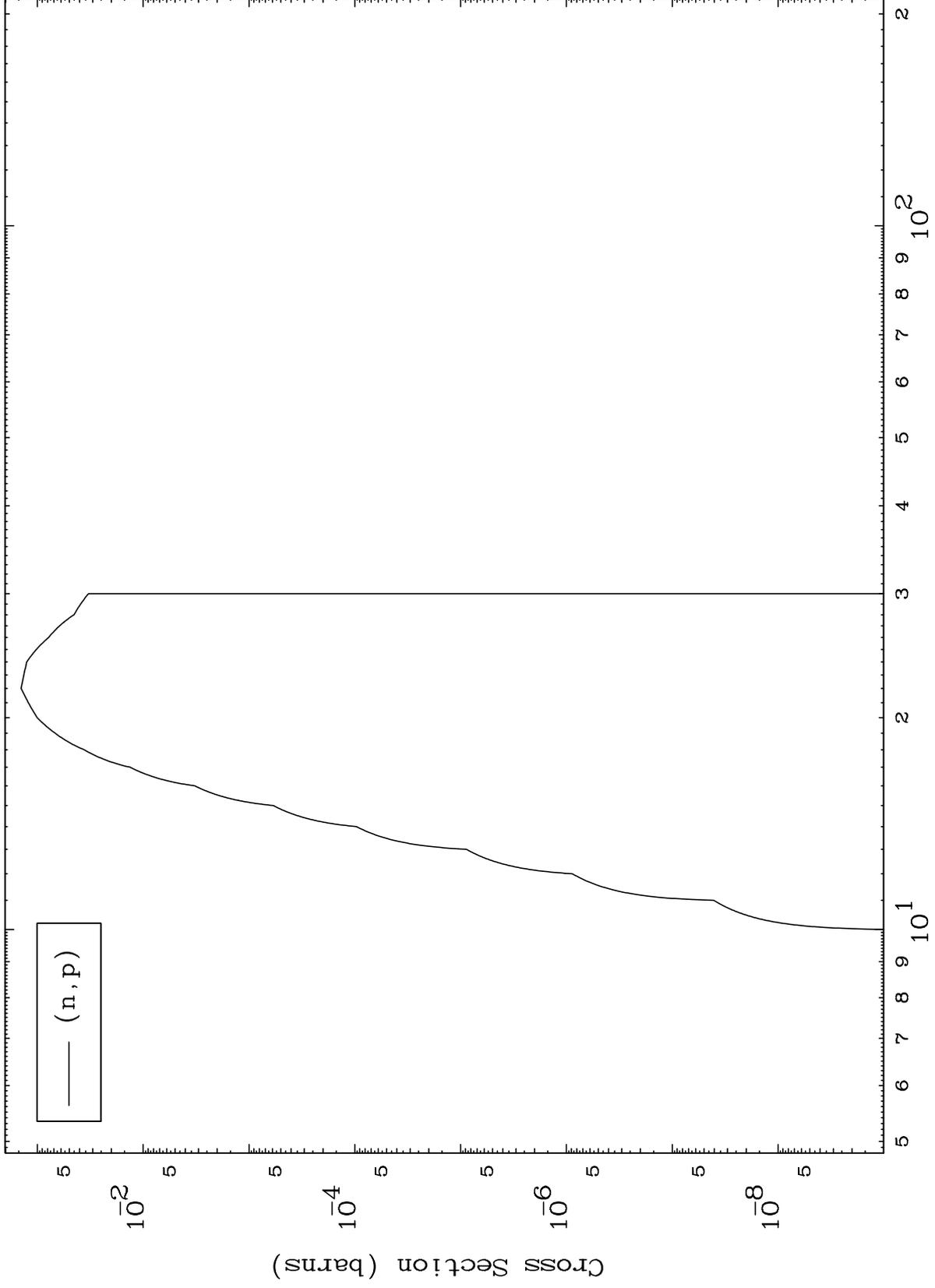




MAT 6486

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

65-Tb-146



6

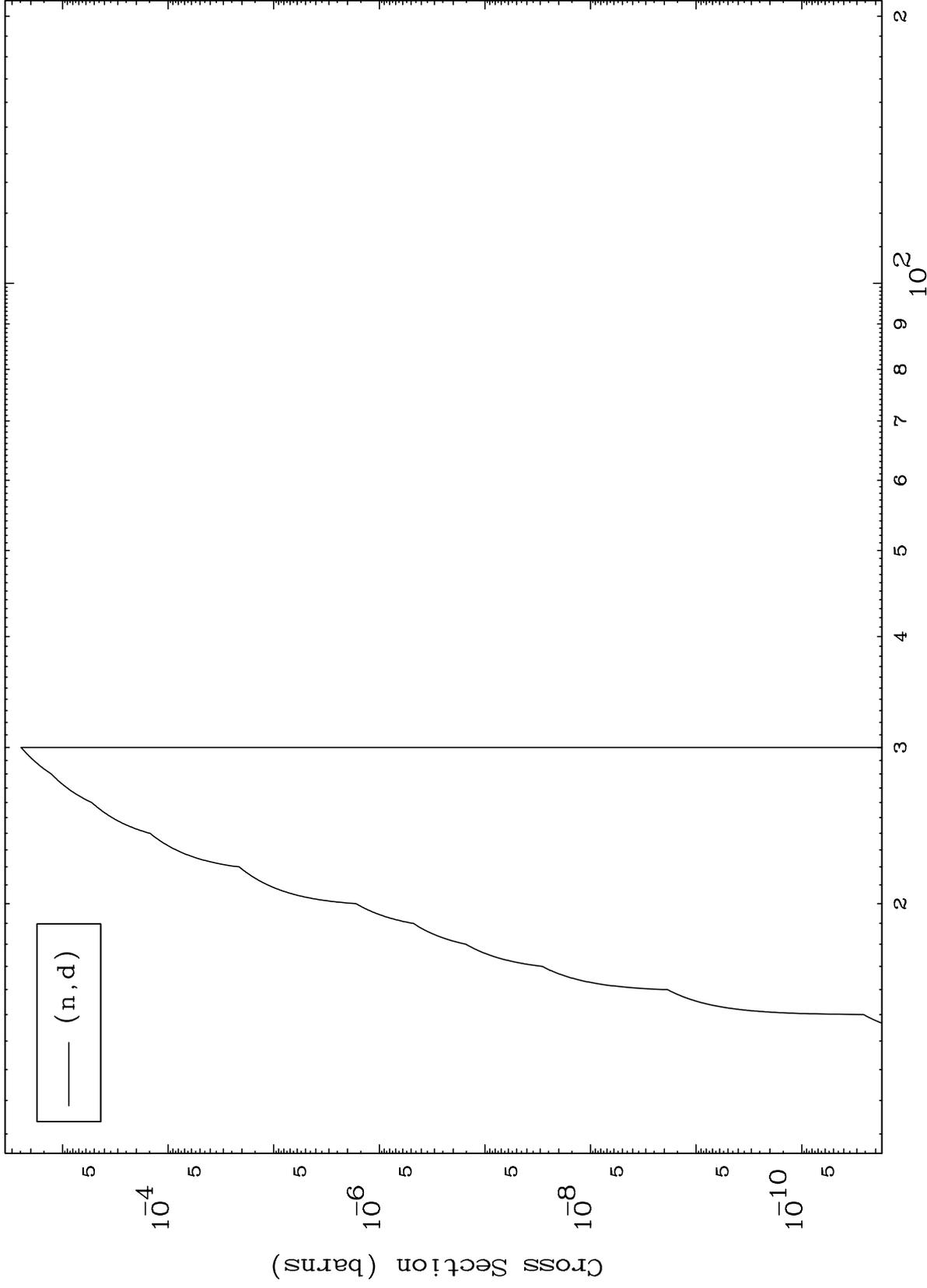
Incident Energy (MeV)

65-Tb-146

MAT 6486

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

65-Tb-146



7

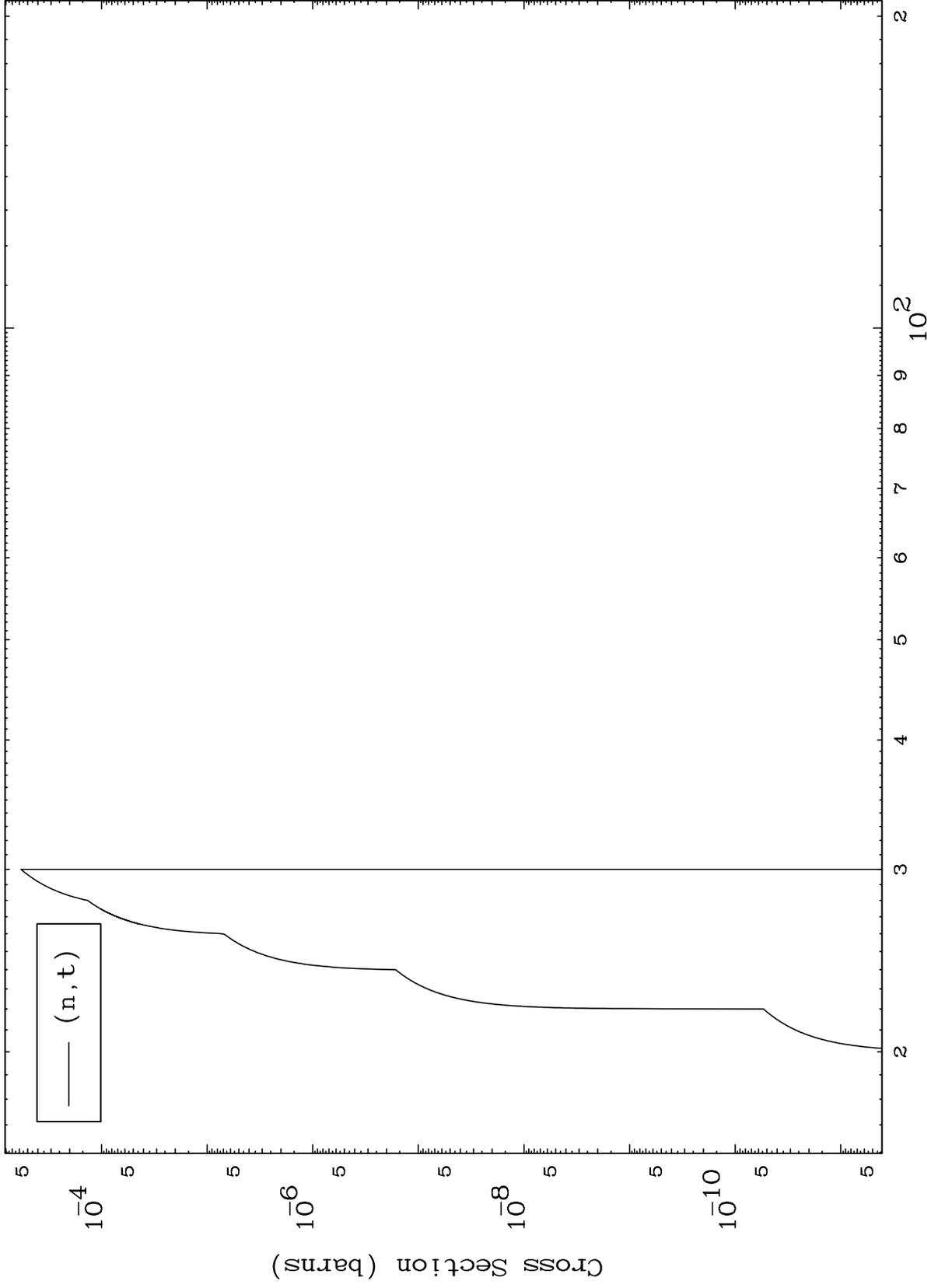
Incident Energy (MeV)

65-Tb-146

MAT 6486

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

65-Tb-146



8

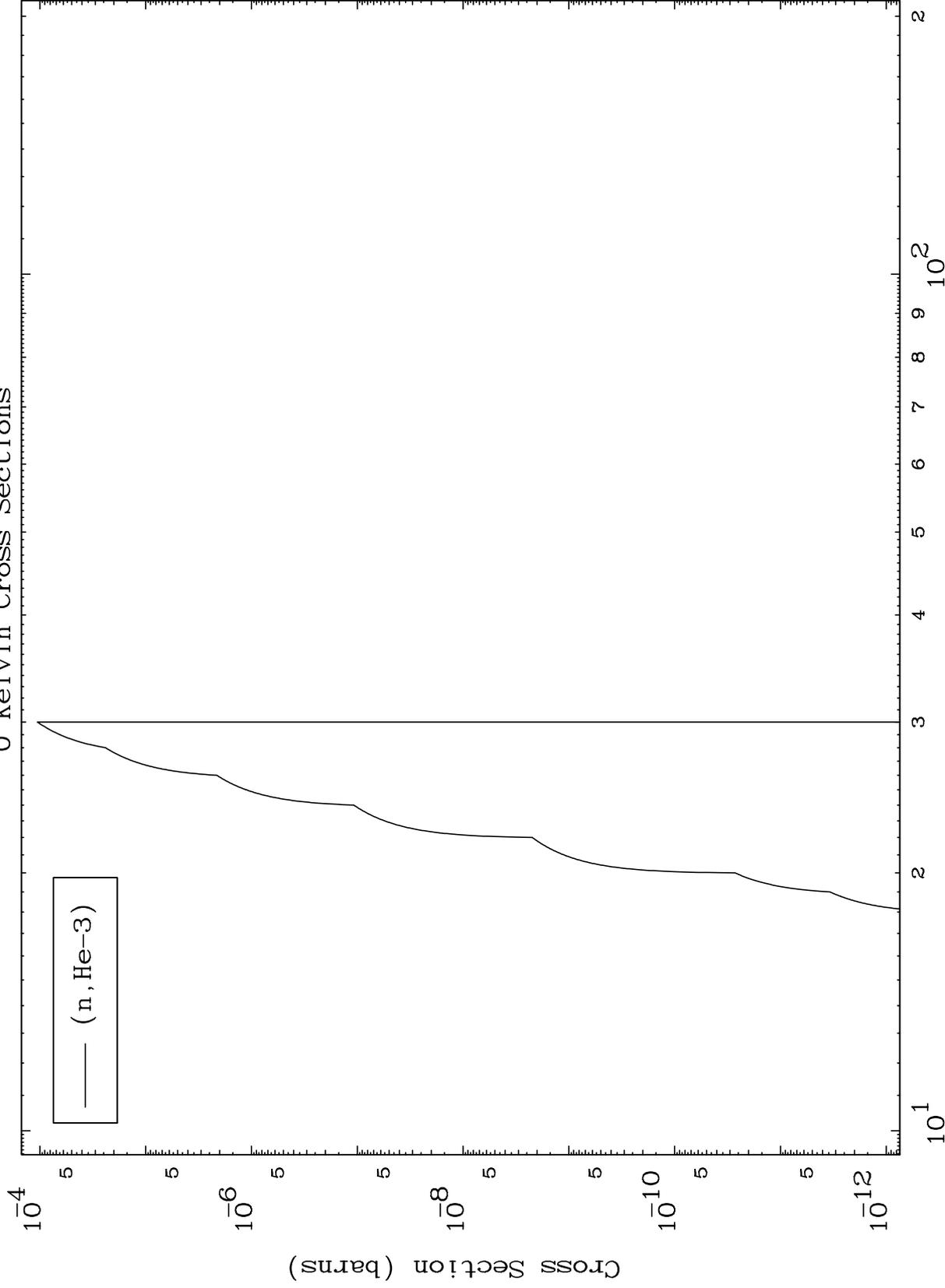
Incident Energy (MeV)

65-Tb-146

MAT 6486

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

65-Tb-146



Incident Energy (MeV)

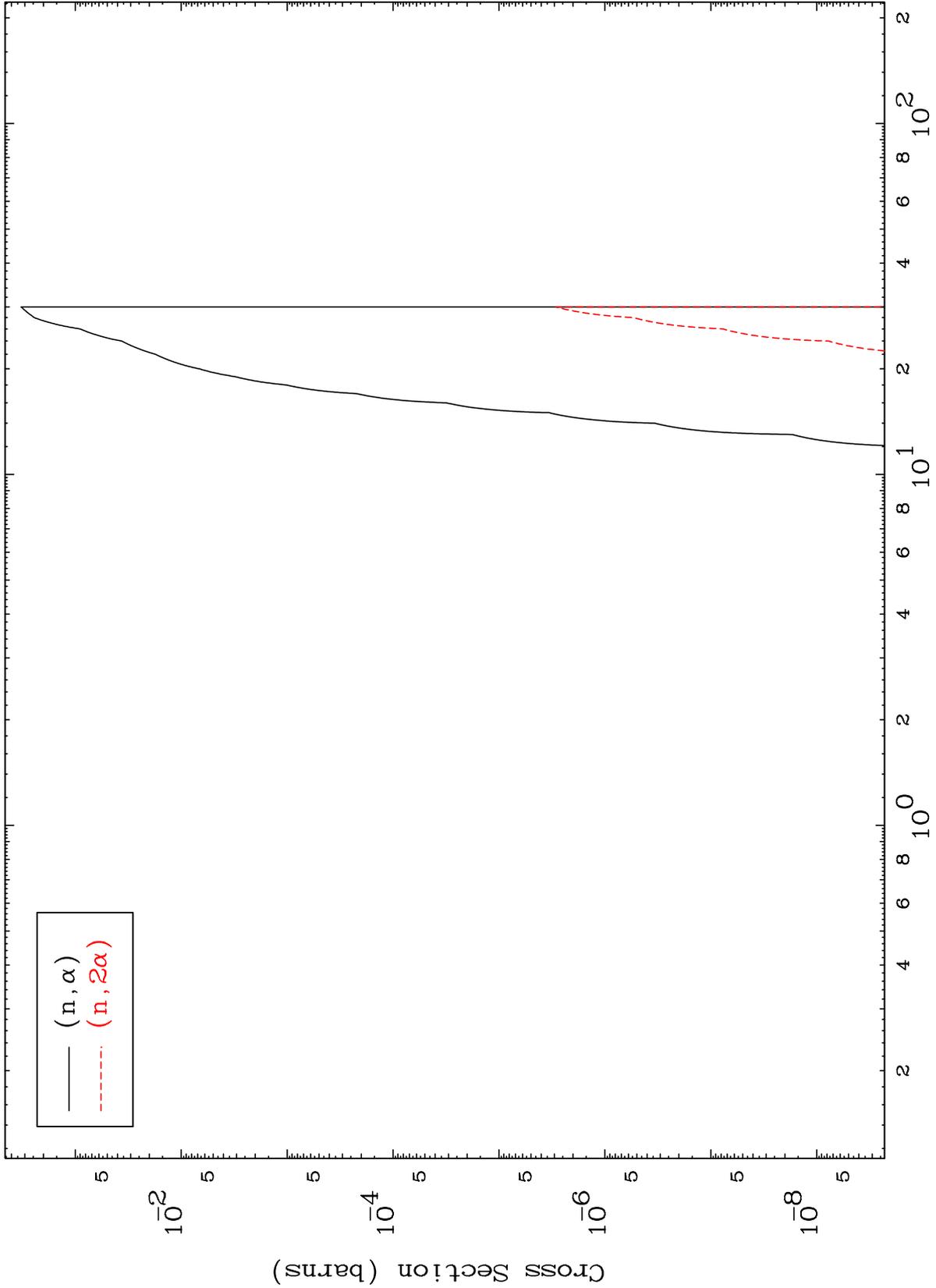
65-Tb-146

MAT 6486

( $\alpha, \alpha$ ) Levels

65-Tb-146

0 Kelvin Cross Sections



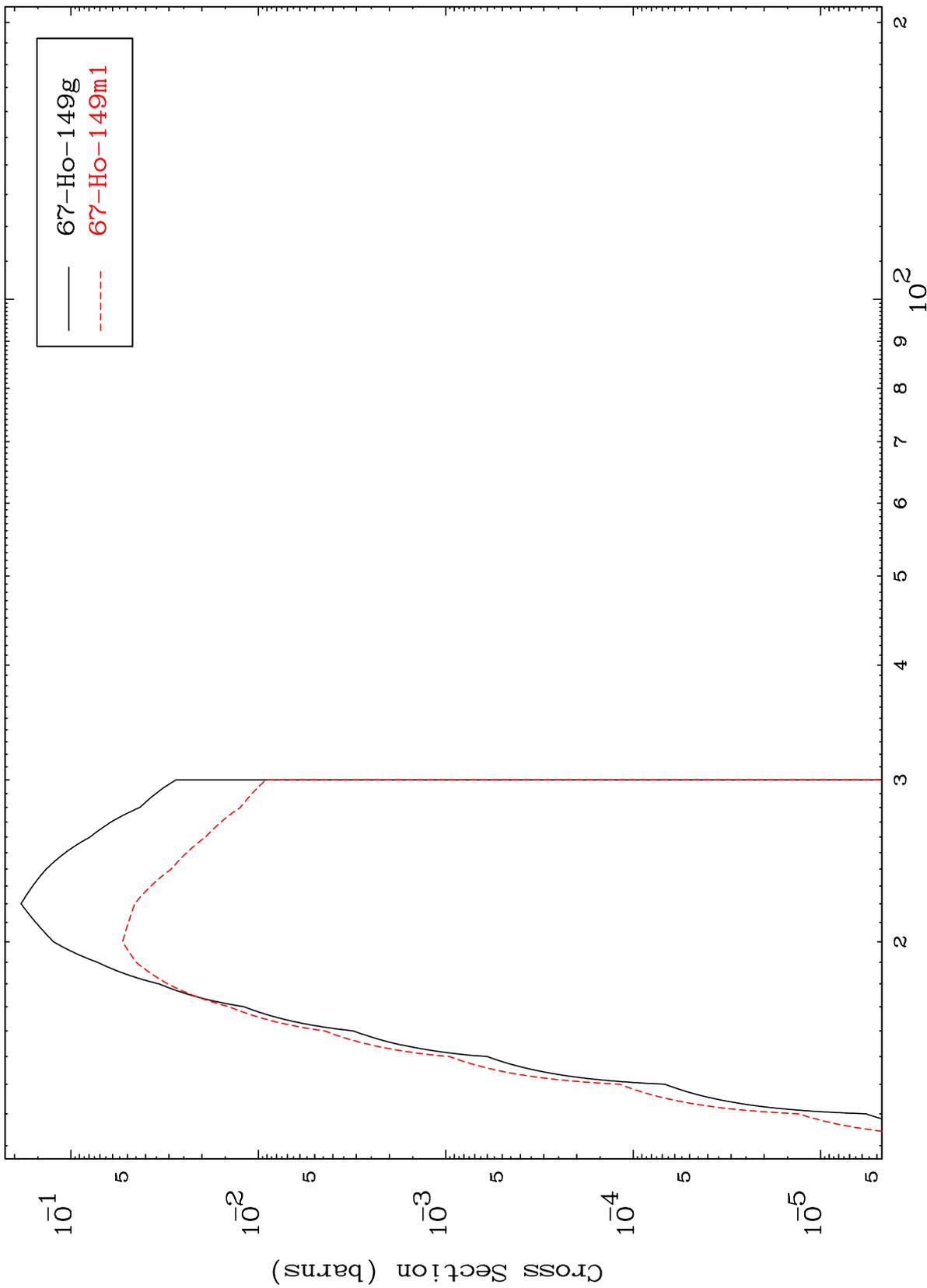
— (n,  $\alpha$ )  
- - - (n,  $2\alpha$ )

10

Incident Energy (MeV)

65-Tb-146

Inelastic  
Radionuclide Production Cross Section

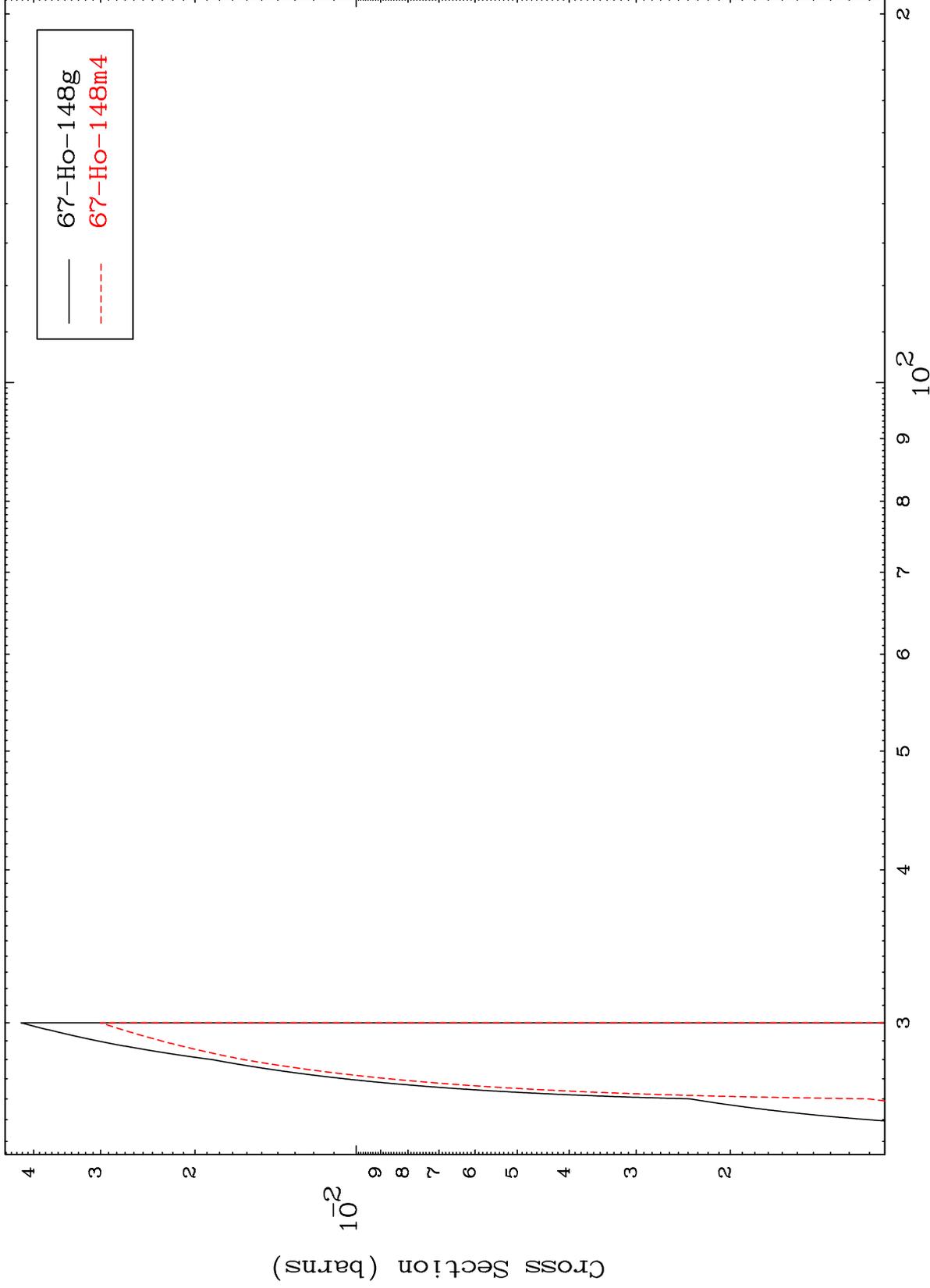


MAT 6486

(n,2n)

65-Tb-146

Radionuclide Production Cross Section

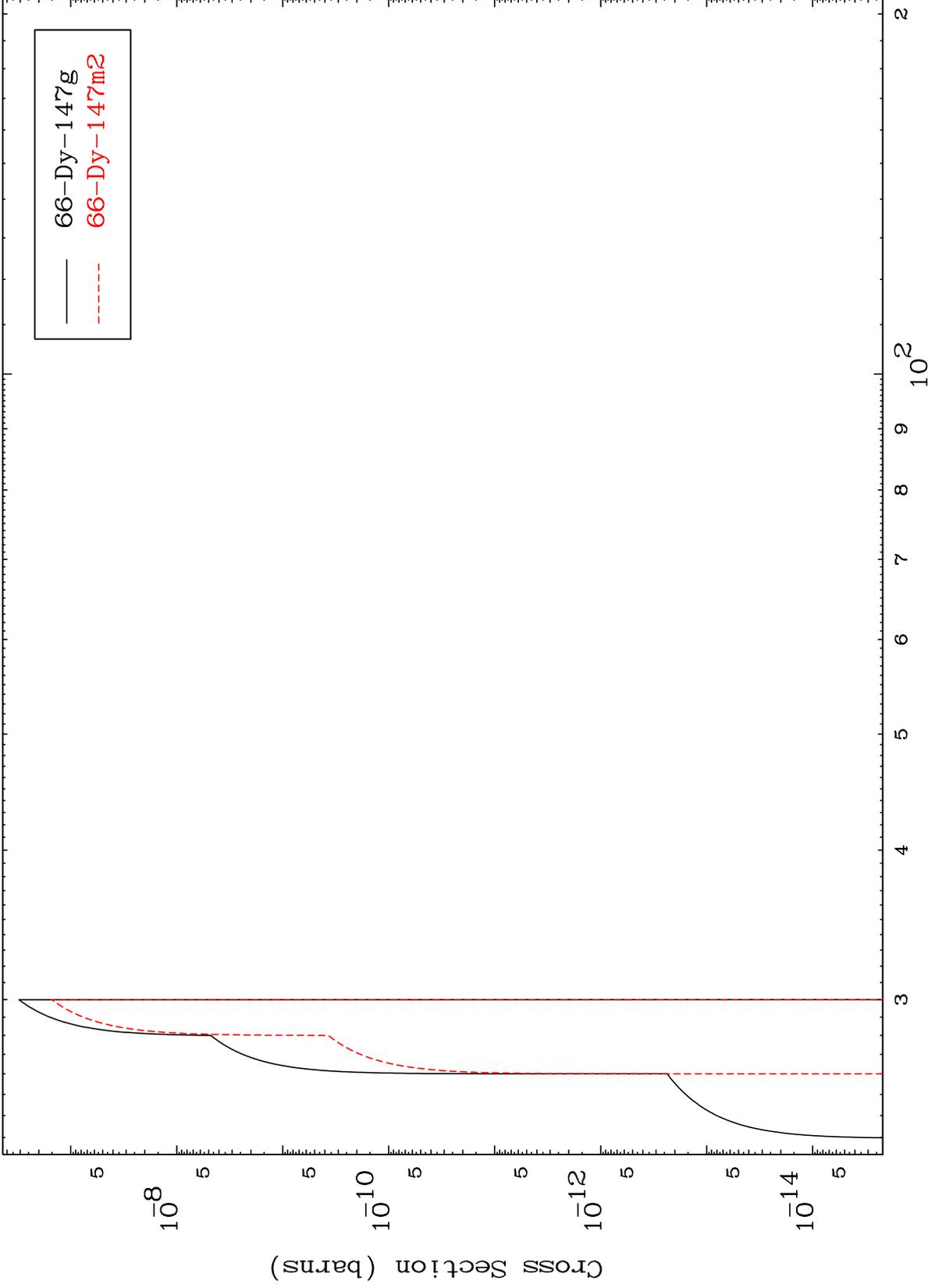


12

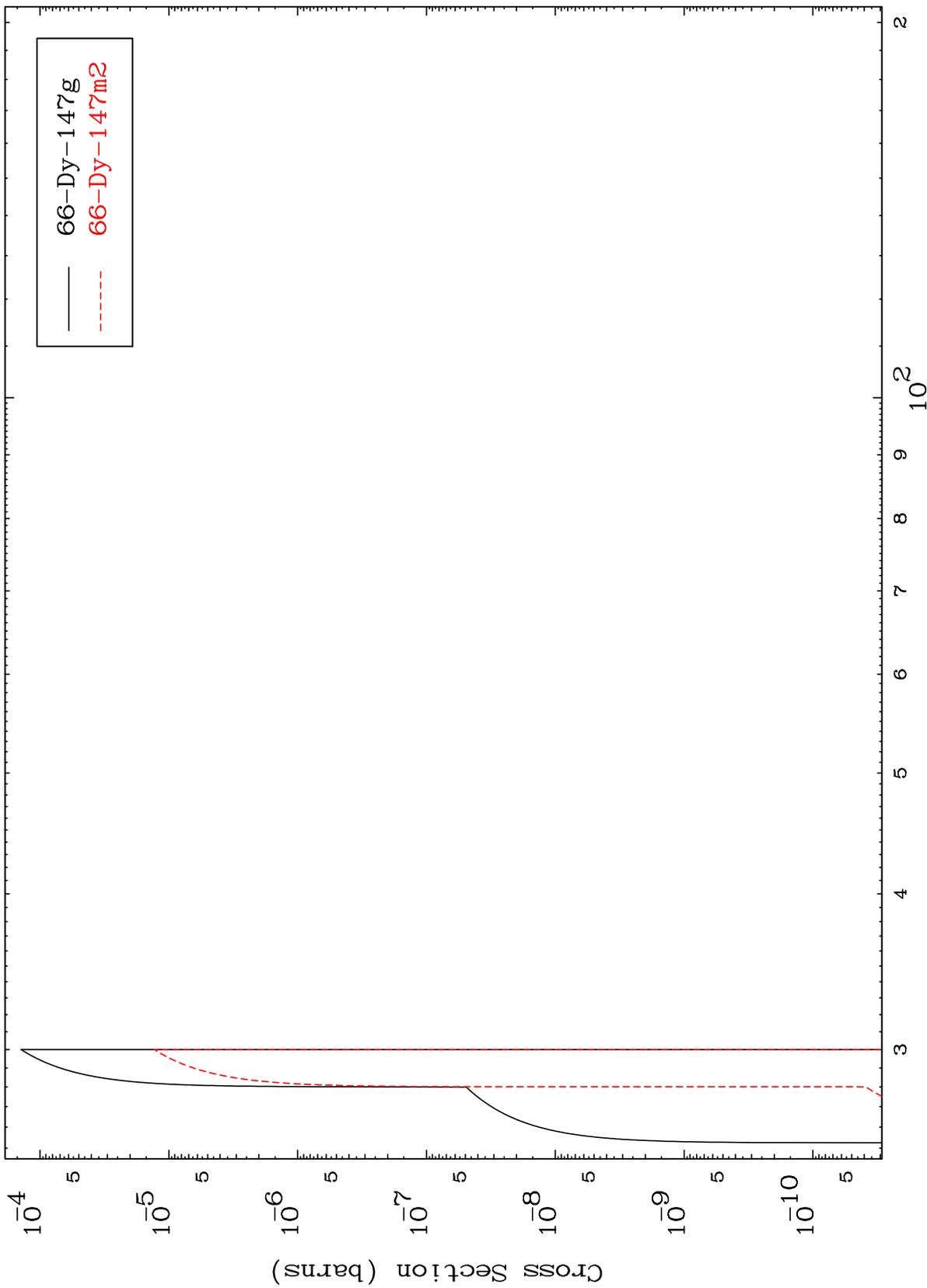
Incident Energy (MeV)

65-Tb-146

Radionuclide Production Cross Section



Radionuclide Production Cross Section

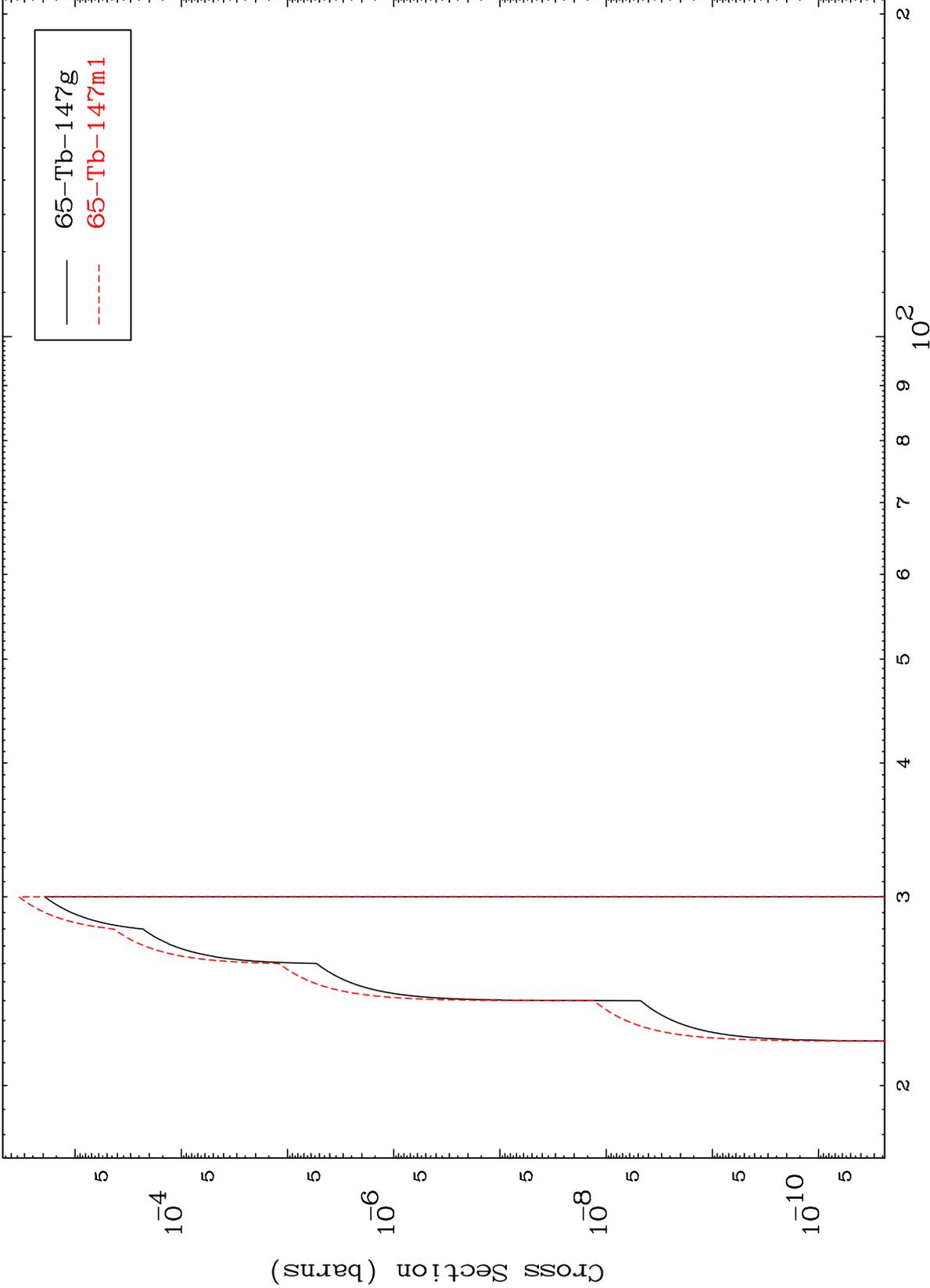


MAT 6486

(n,2n) p

65-Tb-146

Radionuclide Production Cross Section



15

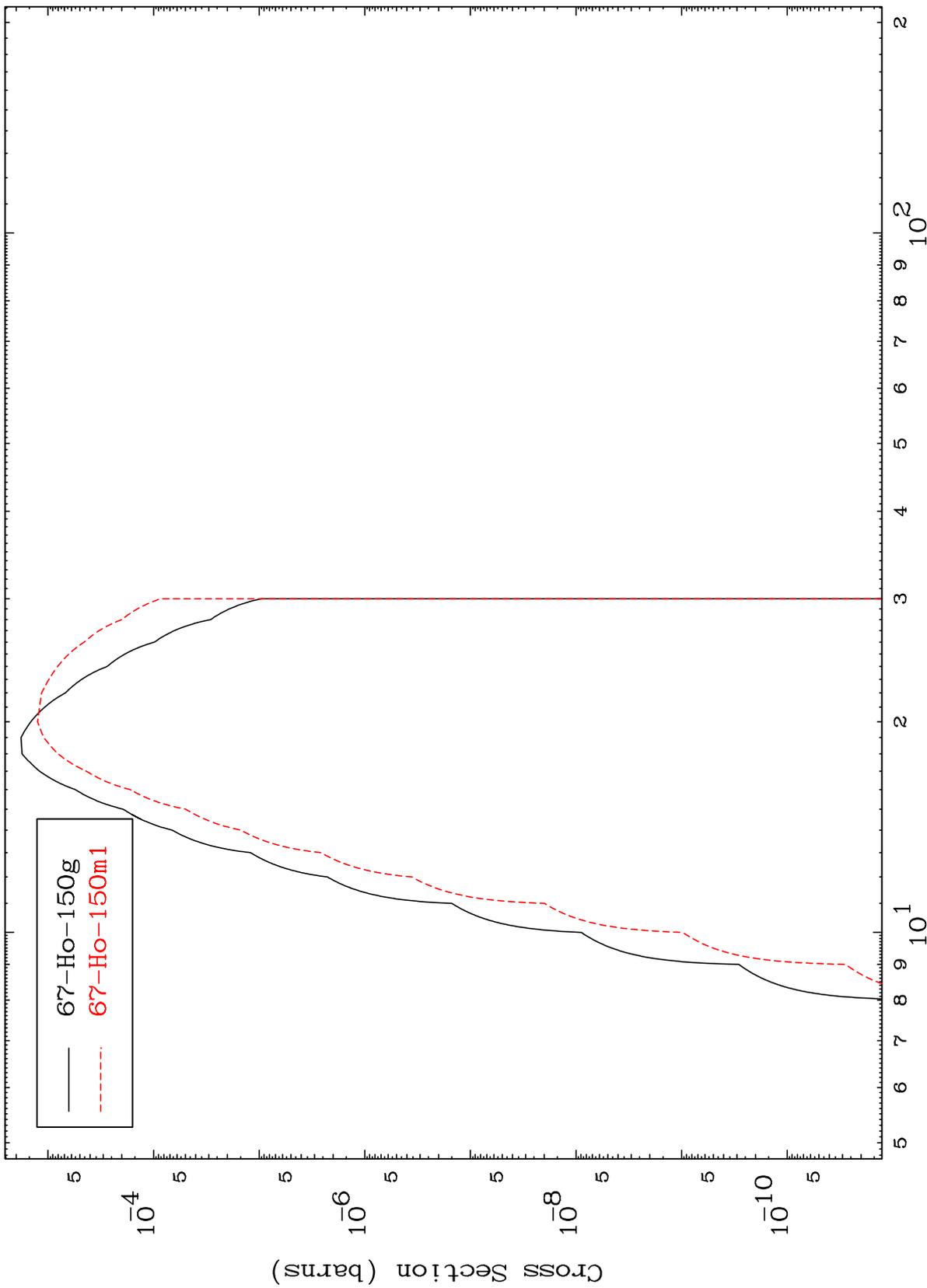
Incident Energy (MeV)

65-Tb-146

MAT 6486

65-Tb-146

(n,γ)  
Radionuclide Production Cross Section



67-Ho-150g  
67-Ho-150m1

65-Tb-146

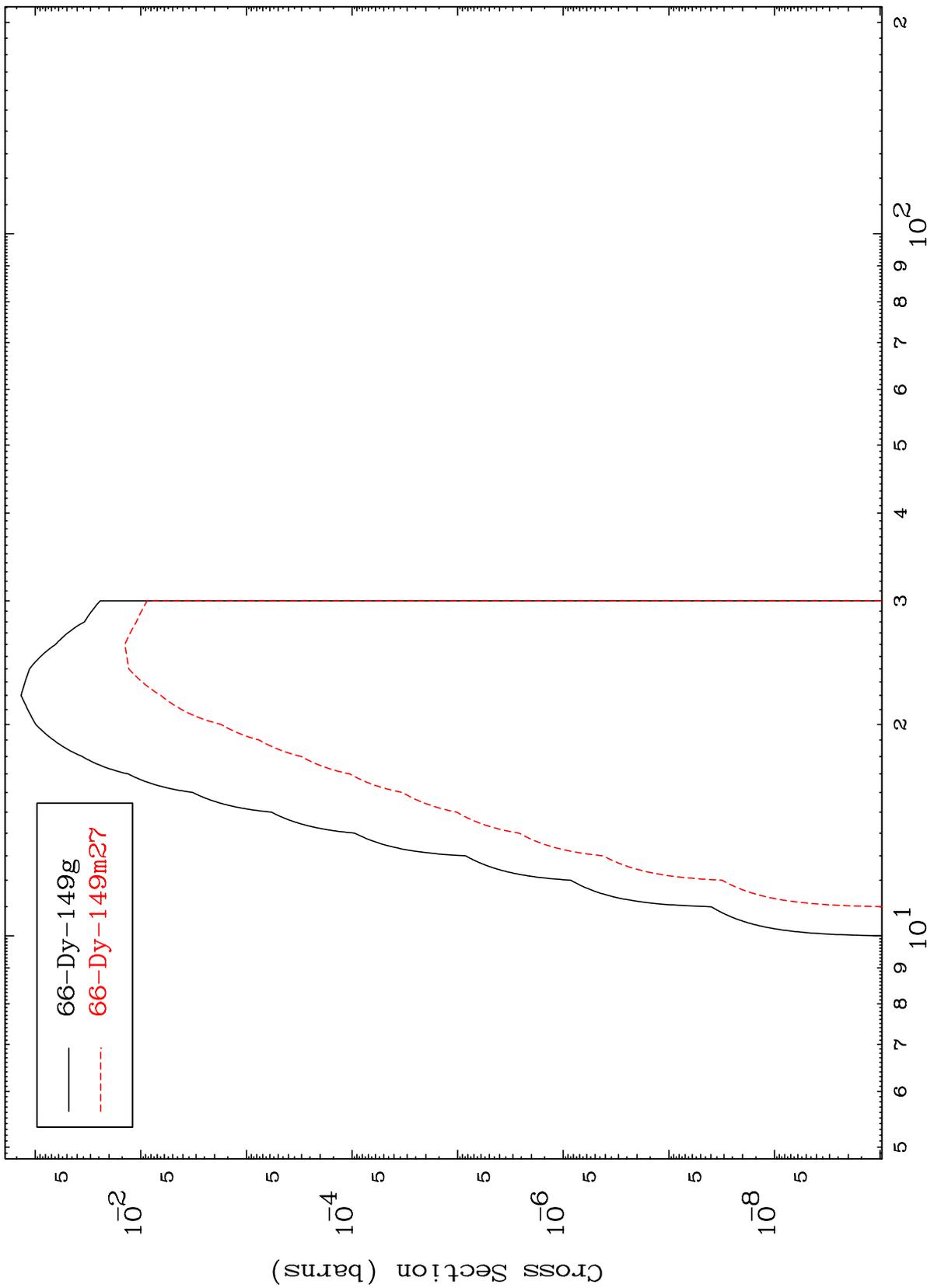
Incident Energy (MeV)

16

MAT 6486

65-Tb-146

(n,p)  
Radionuclide Production Cross Section



— 66-Dy-149g  
- - - 66-Dy-149m27

65-Tb-146

Incident Energy (MeV)

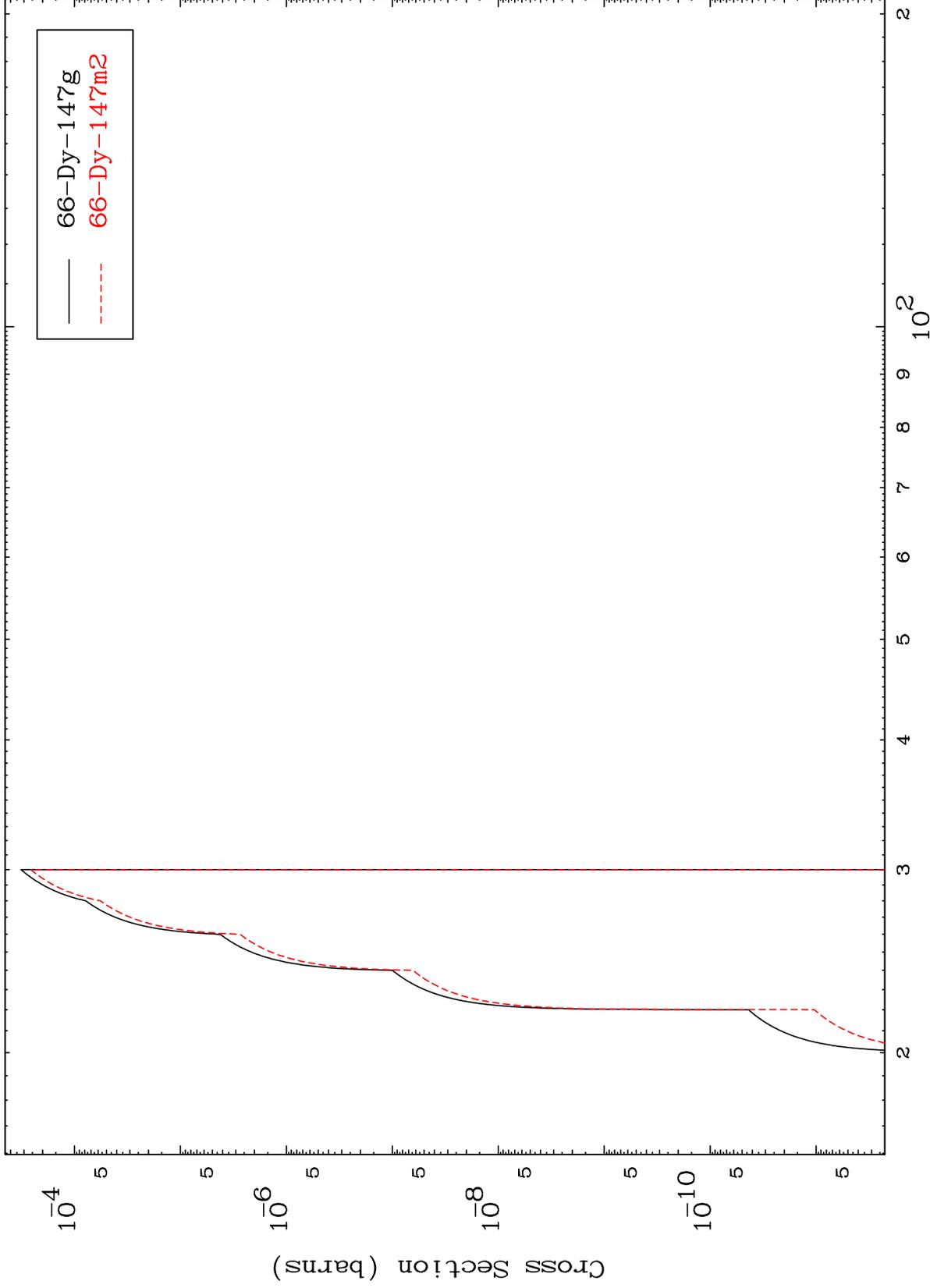
17

MAT 6486

(n, t)

65-Tb-146

Radionuclide Production Cross Section



18

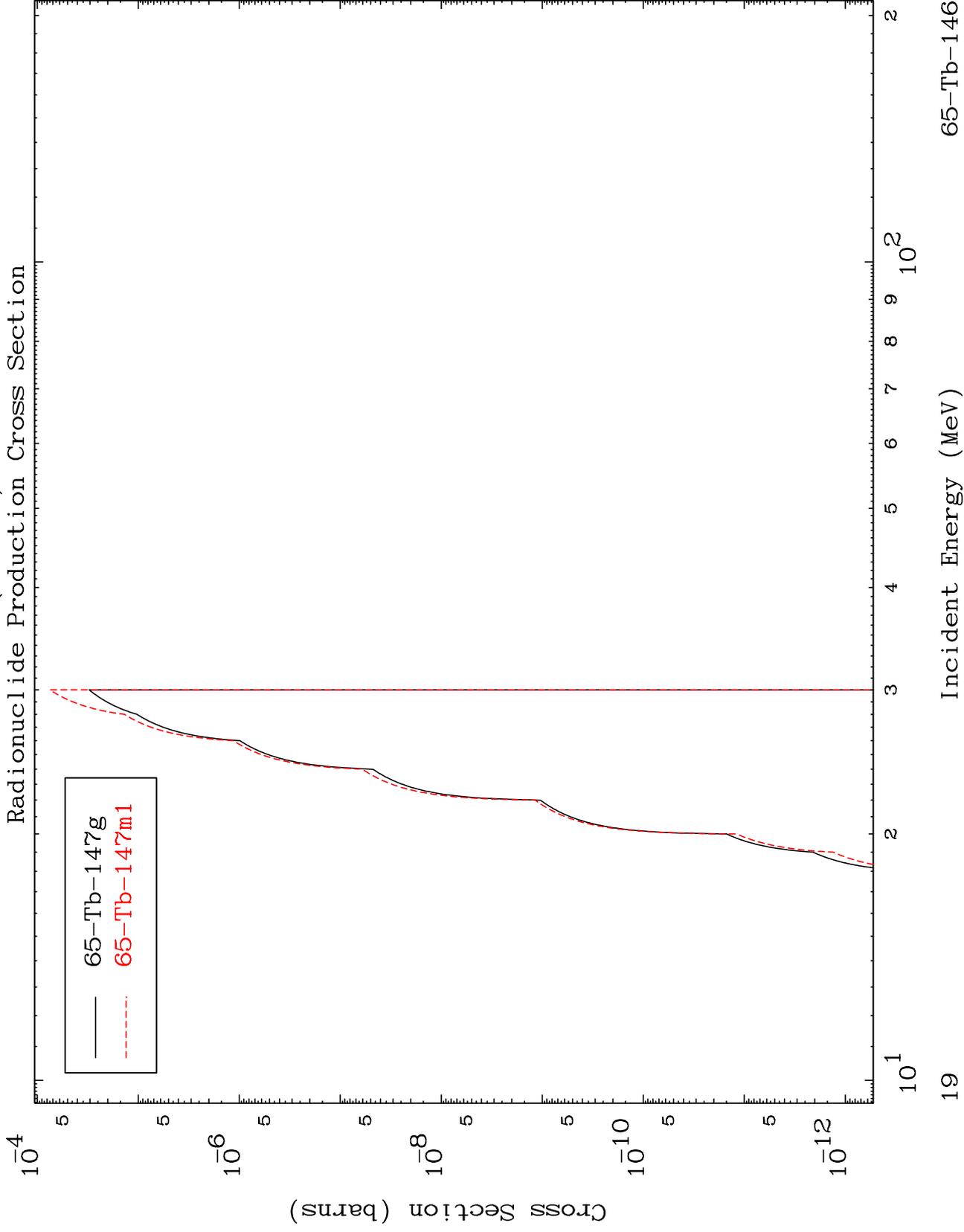
Incident Energy (MeV)

65-Tb-146

MAT 6486

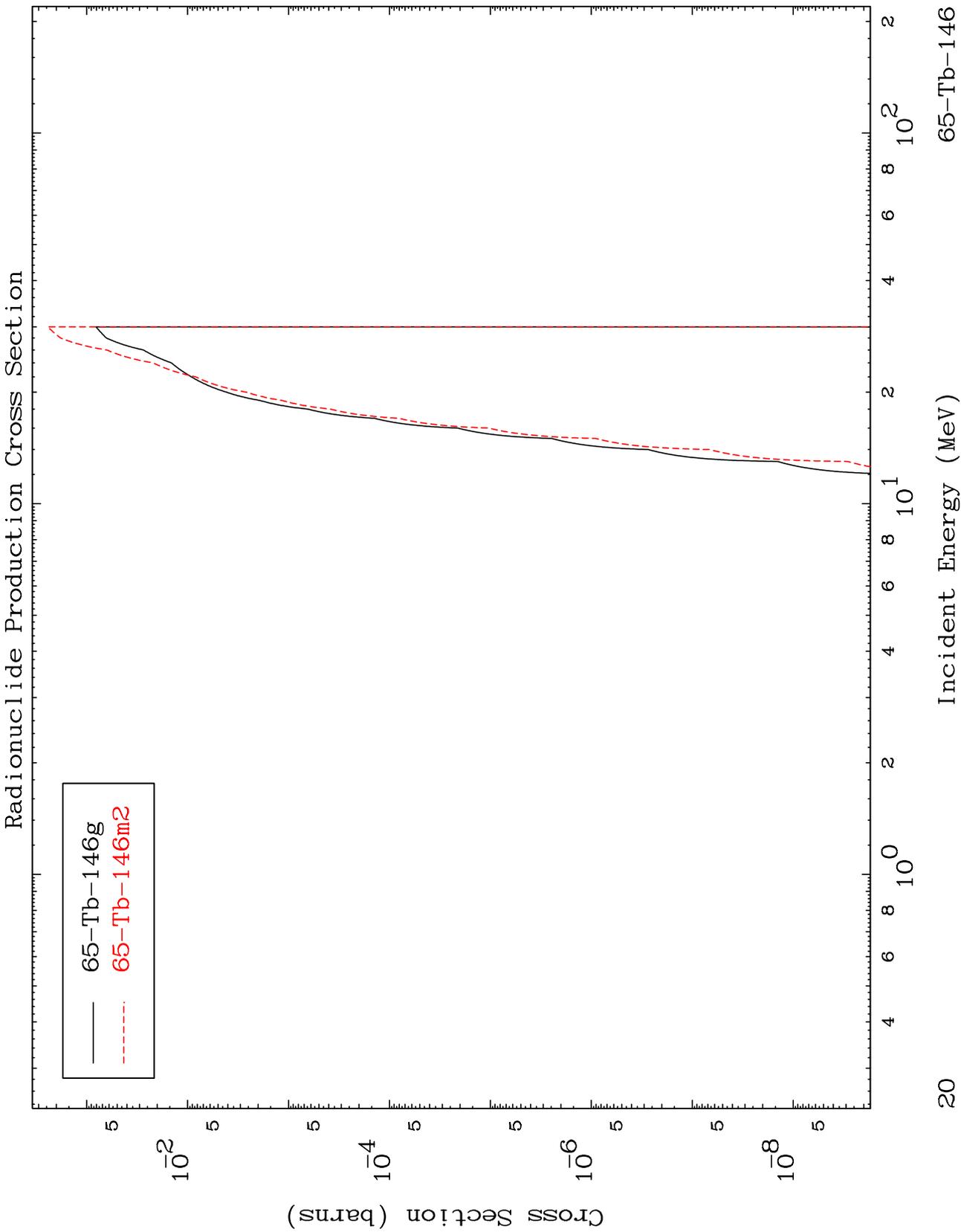
(n,He-3)

65-Tb-146



MAT 6486

<sup>65</sup>Tb-146



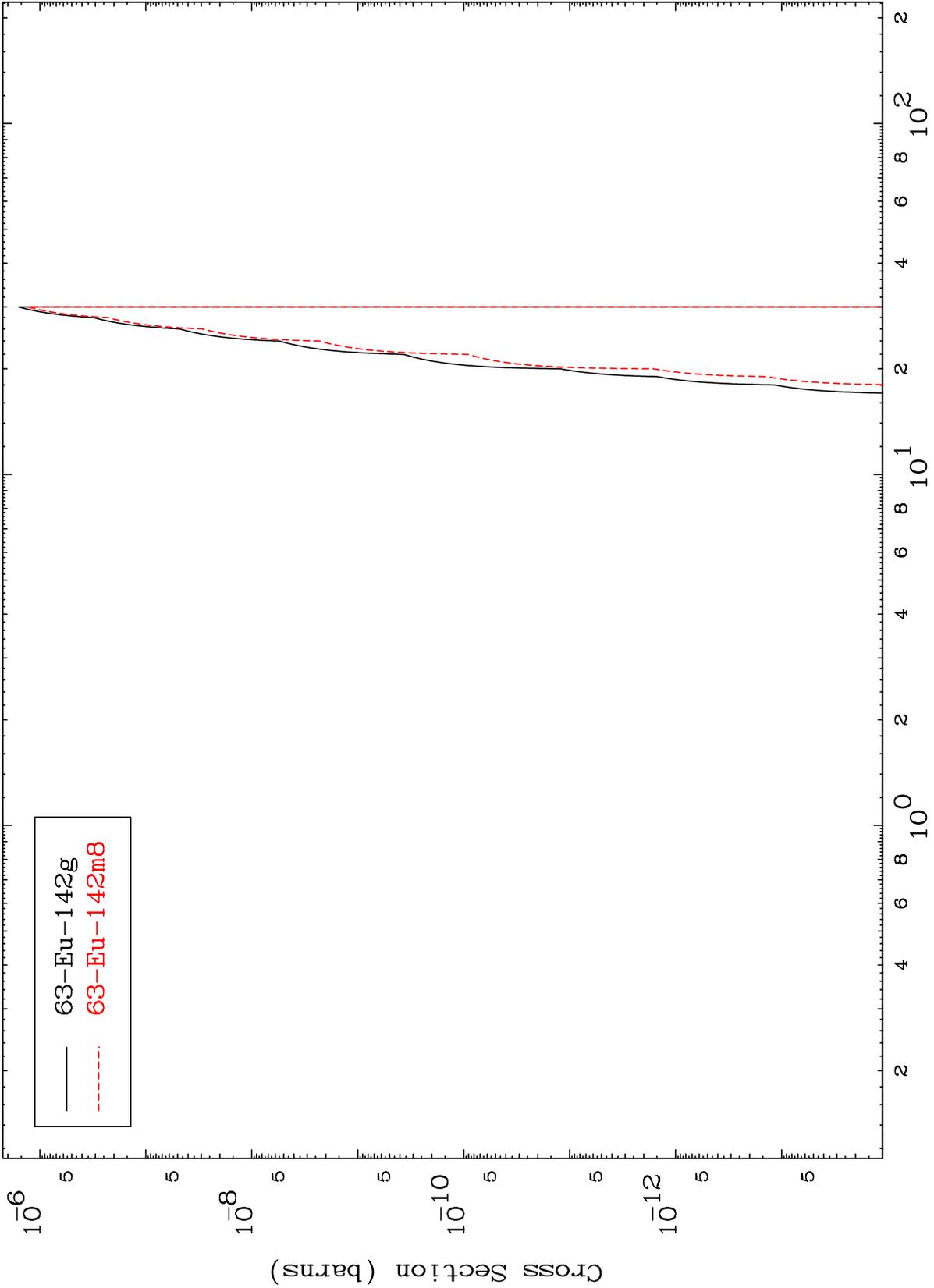
65-Tb-146g  
65-Tb-146m2

MAT 6486

(n,2α)

65-Tb-146

Radionuclide Production Cross Section

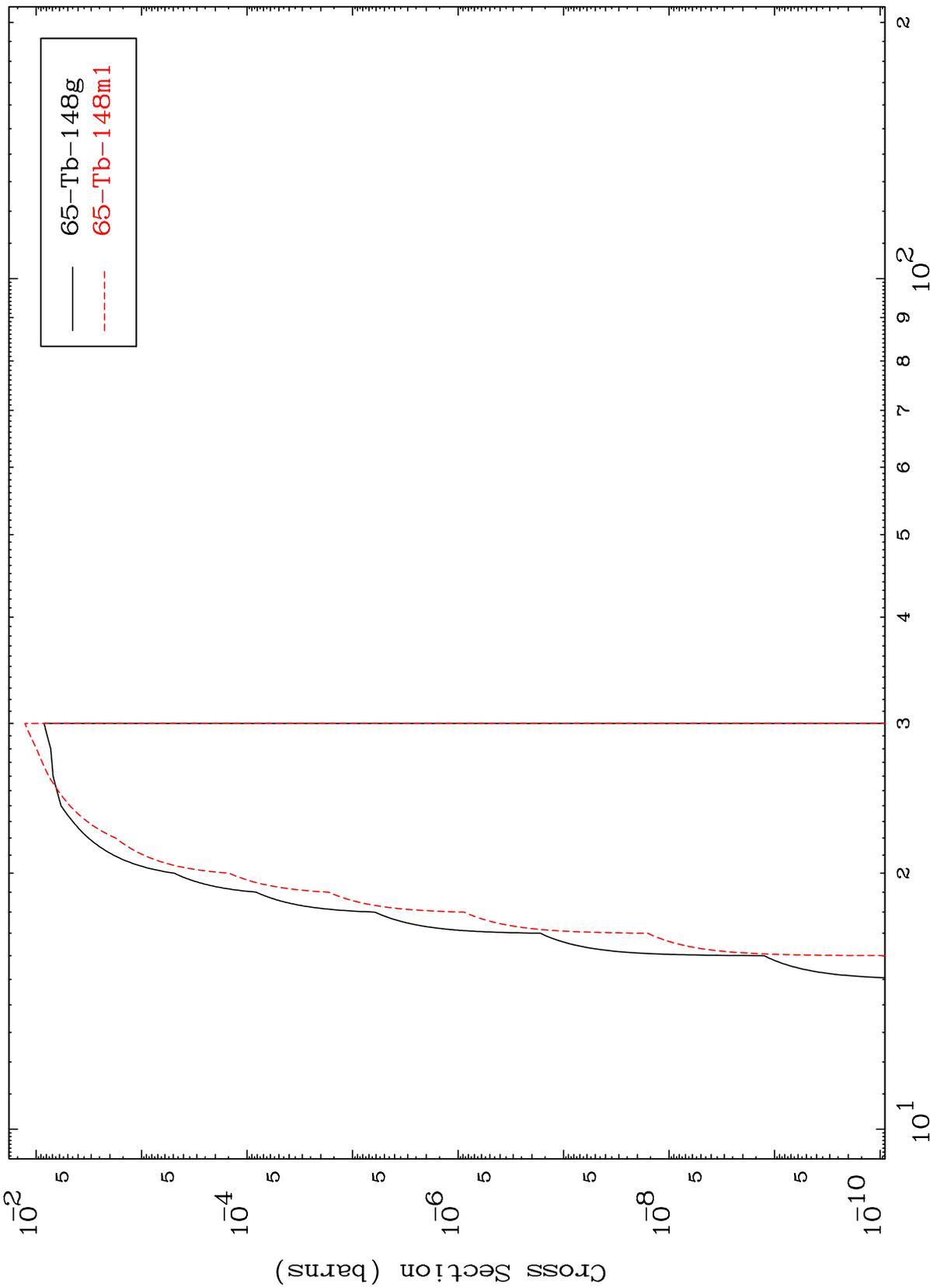


63-Eu-142g  
63-Eu-142m8

MAT 6486

65-Tb-146

(n,2p)  
Radionuclide Production Cross Section



65-Tb-146

Incident Energy (MeV)

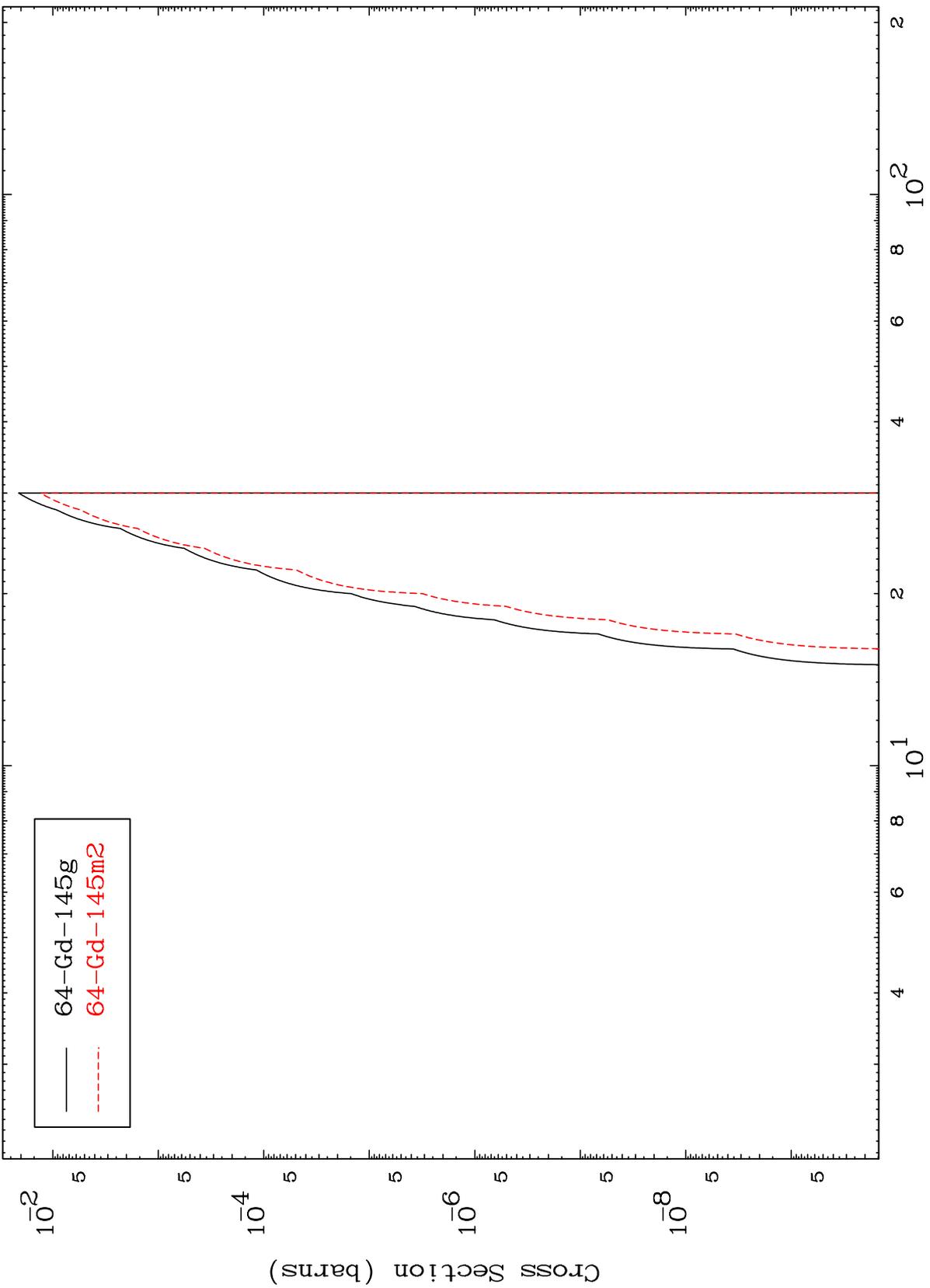
22

MAT 6486

(n,p)  $\alpha$

<sup>65</sup>Tb-146

Radionuclide Production Cross Section

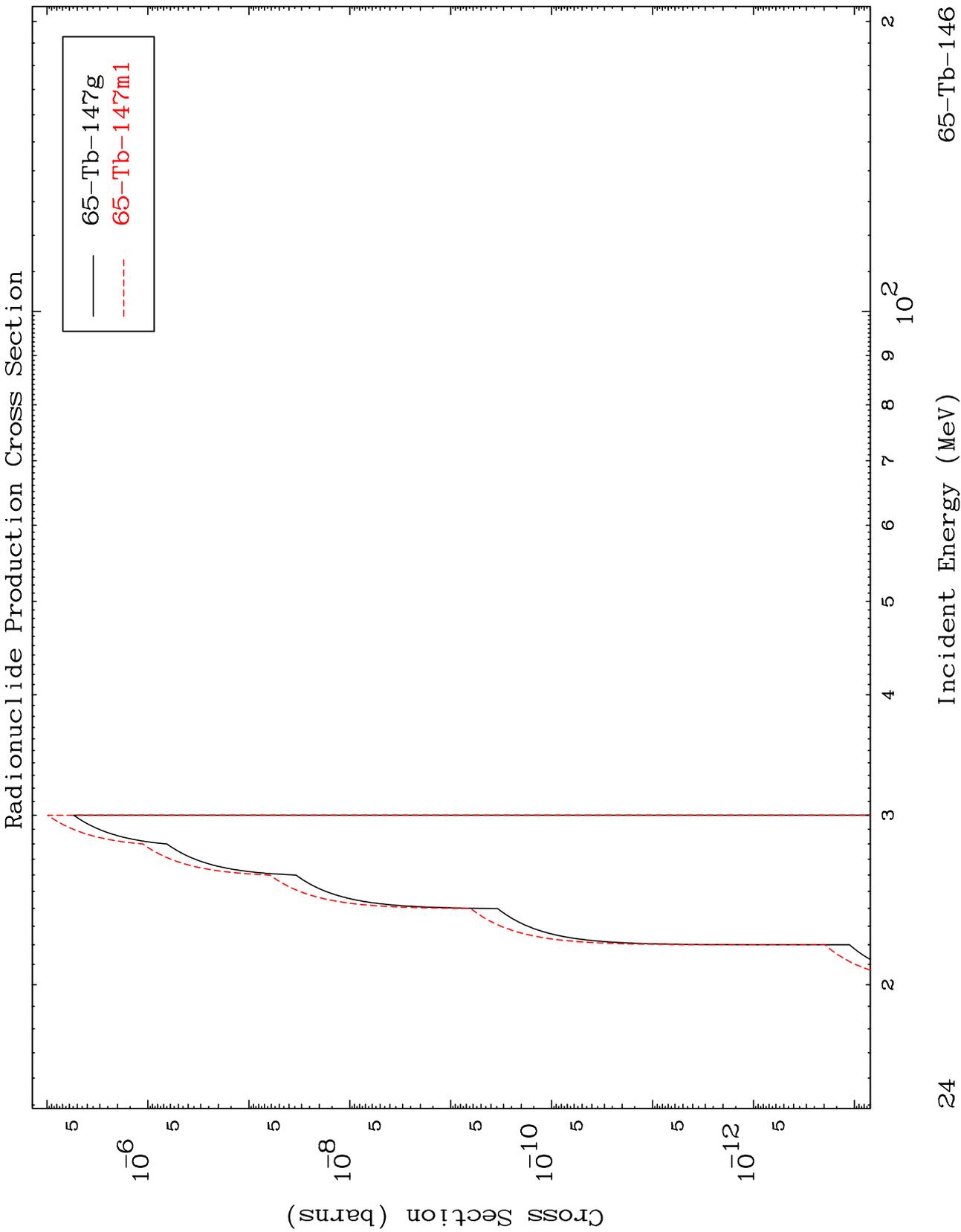


64-Gd-145g  
64-Gd-145m2

MAT 6486

(n,p) d

65-Tb-146



24

Incident Energy (MeV)

65-Tb-146