

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  
Web:redcullen1.net/HOMEPAGE.NEW

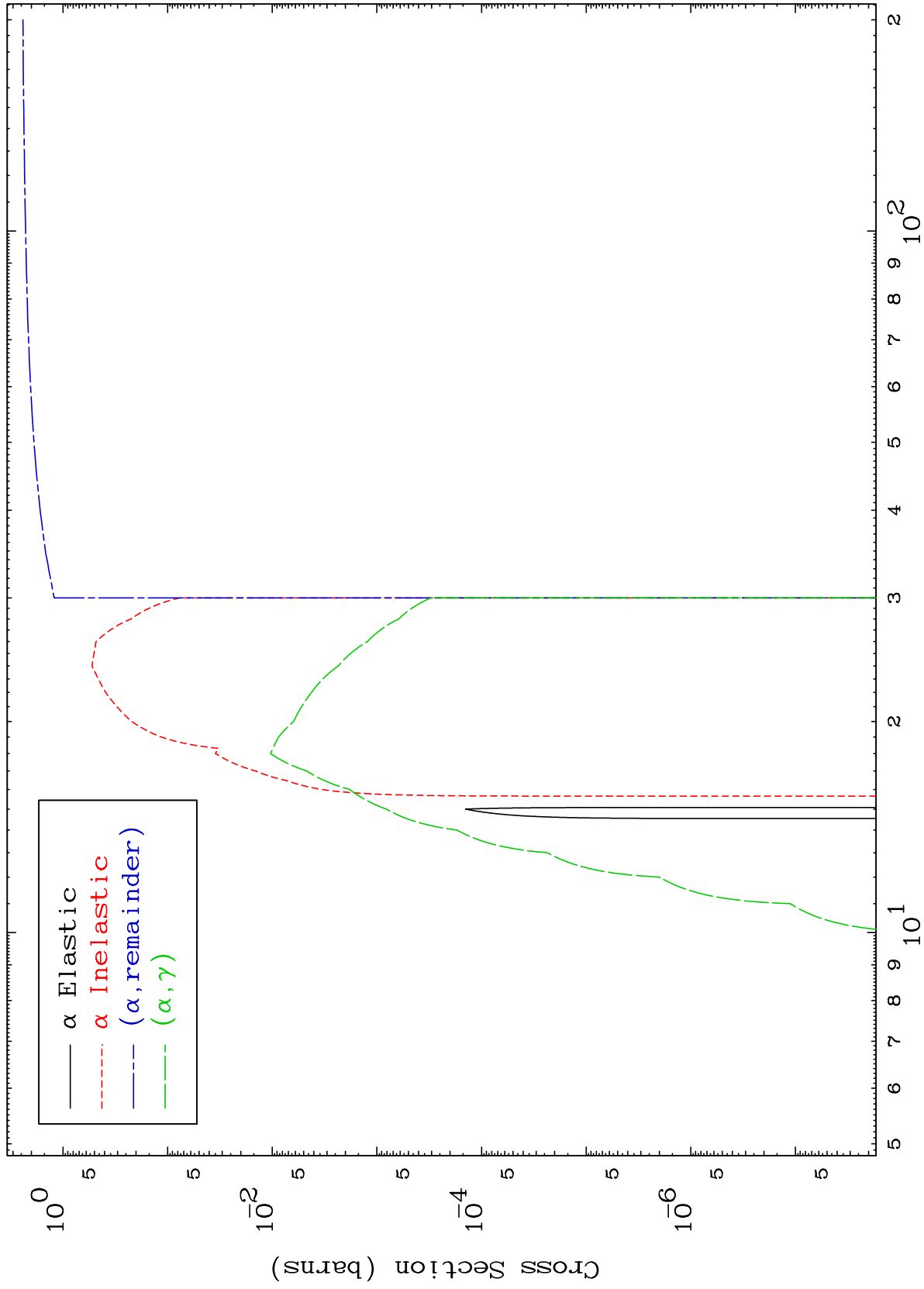
Press Mouse Button to Start

MAT 6601

$\alpha$  Major

66-Dy-148

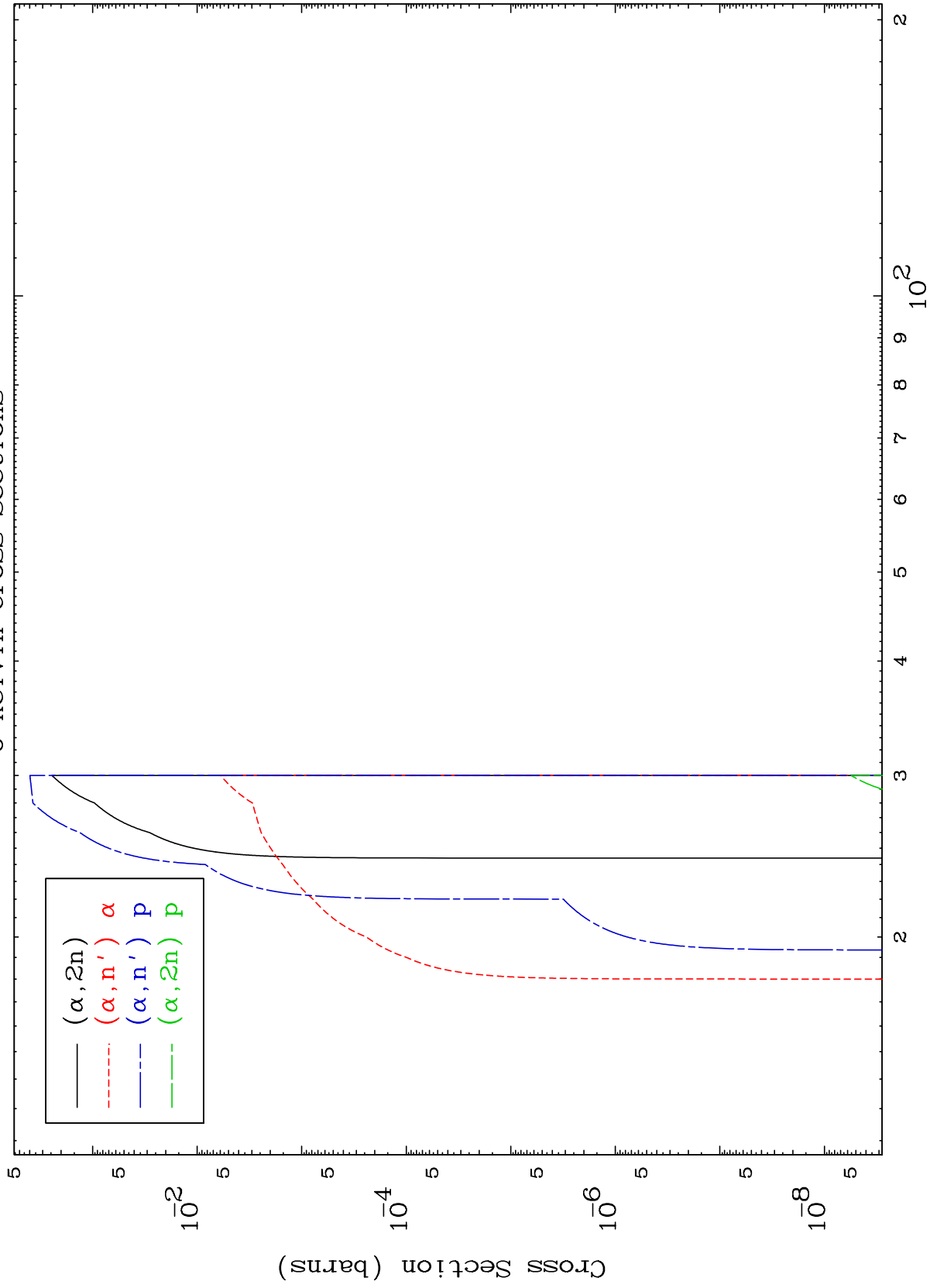
0 Kelvin Cross Sections



1

Incident Energy (MeV)

66-Dy-148

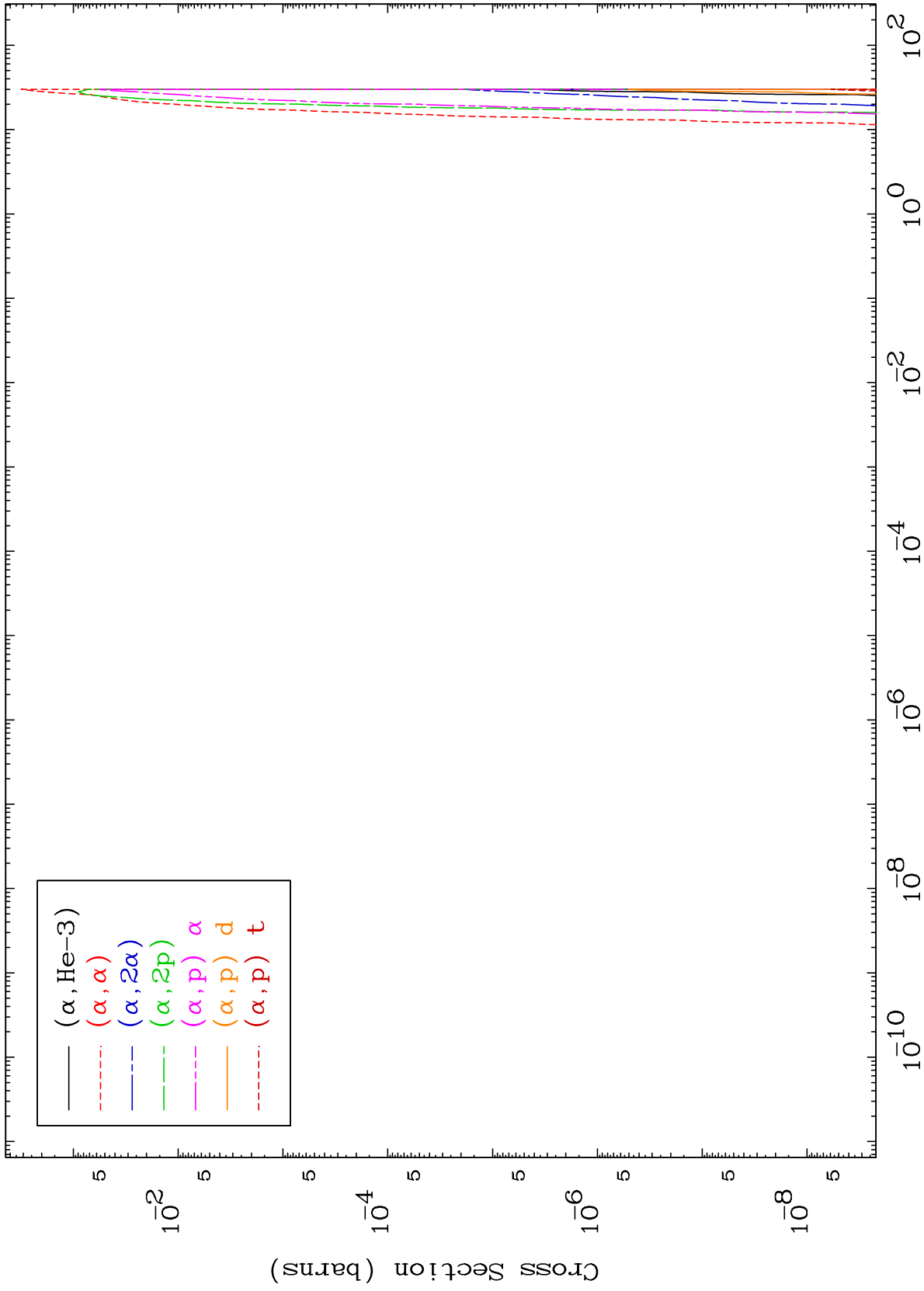




MAT 6601

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

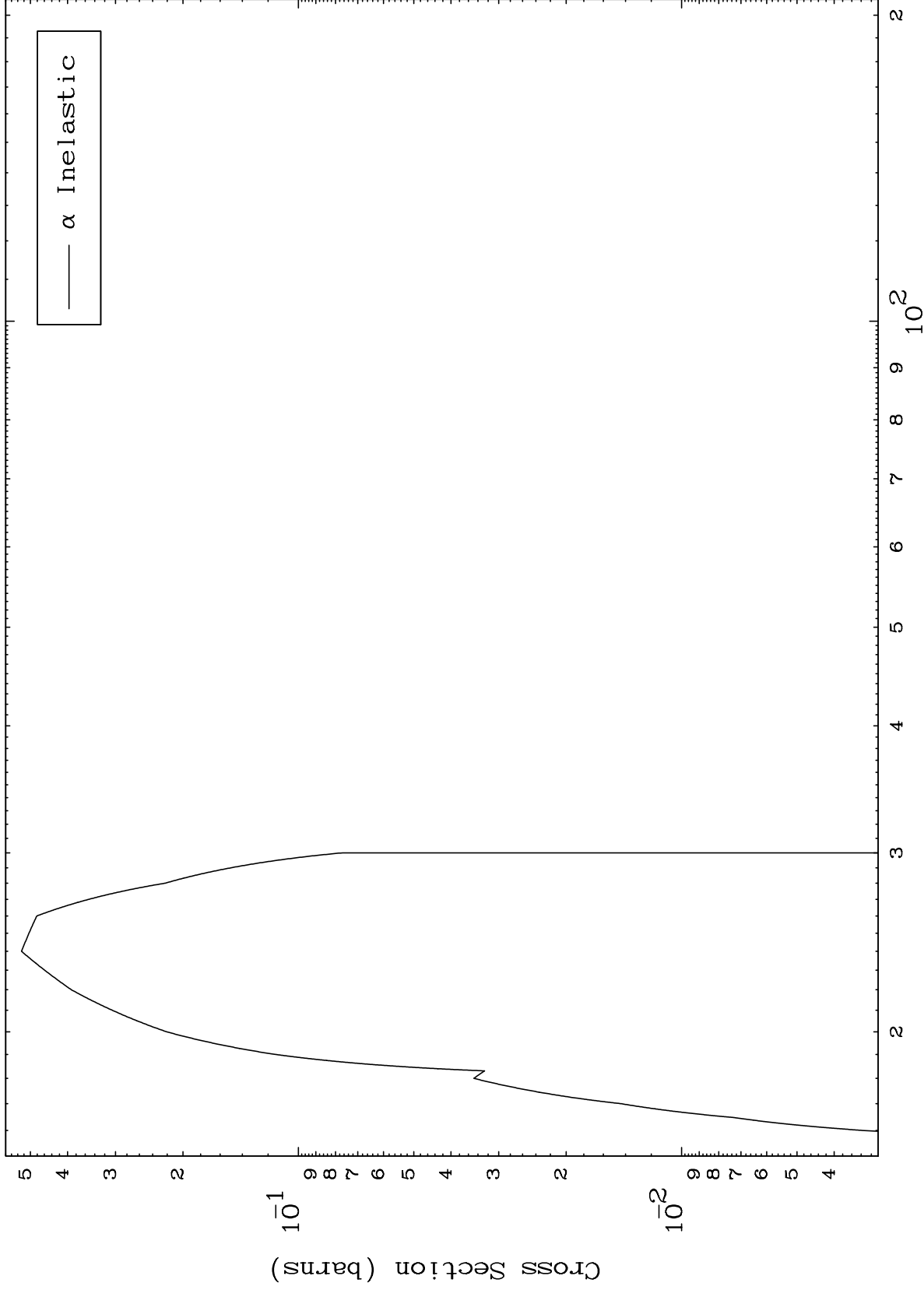
66-Dy-148



MAT 6601

( $\alpha, n'$ ) Level  
0 Kelvin Cross Sections

66-Dy-148



5

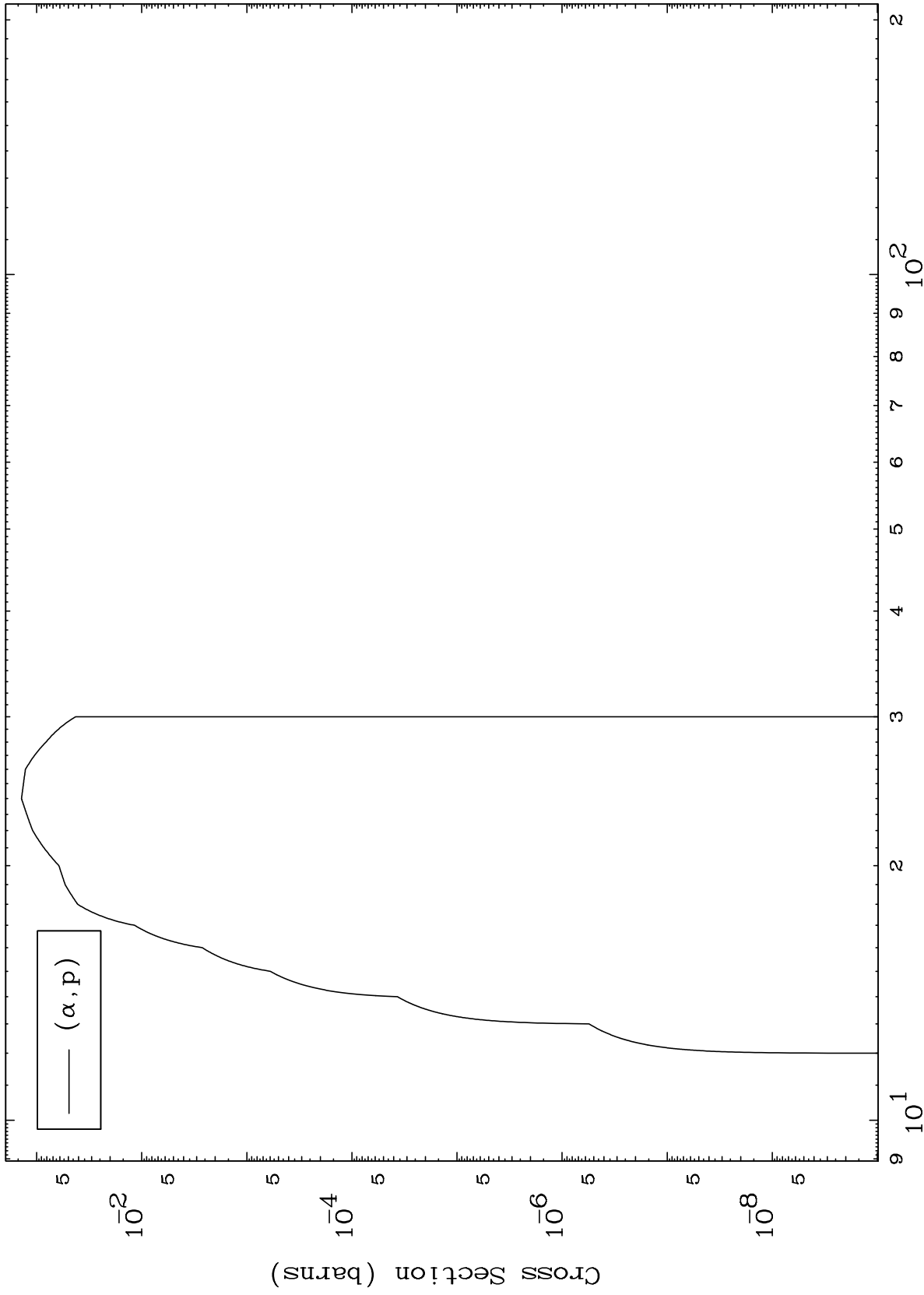
Incident Energy (MeV)

66-Dy-148

MAT 6601

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

66-Dy-148



6

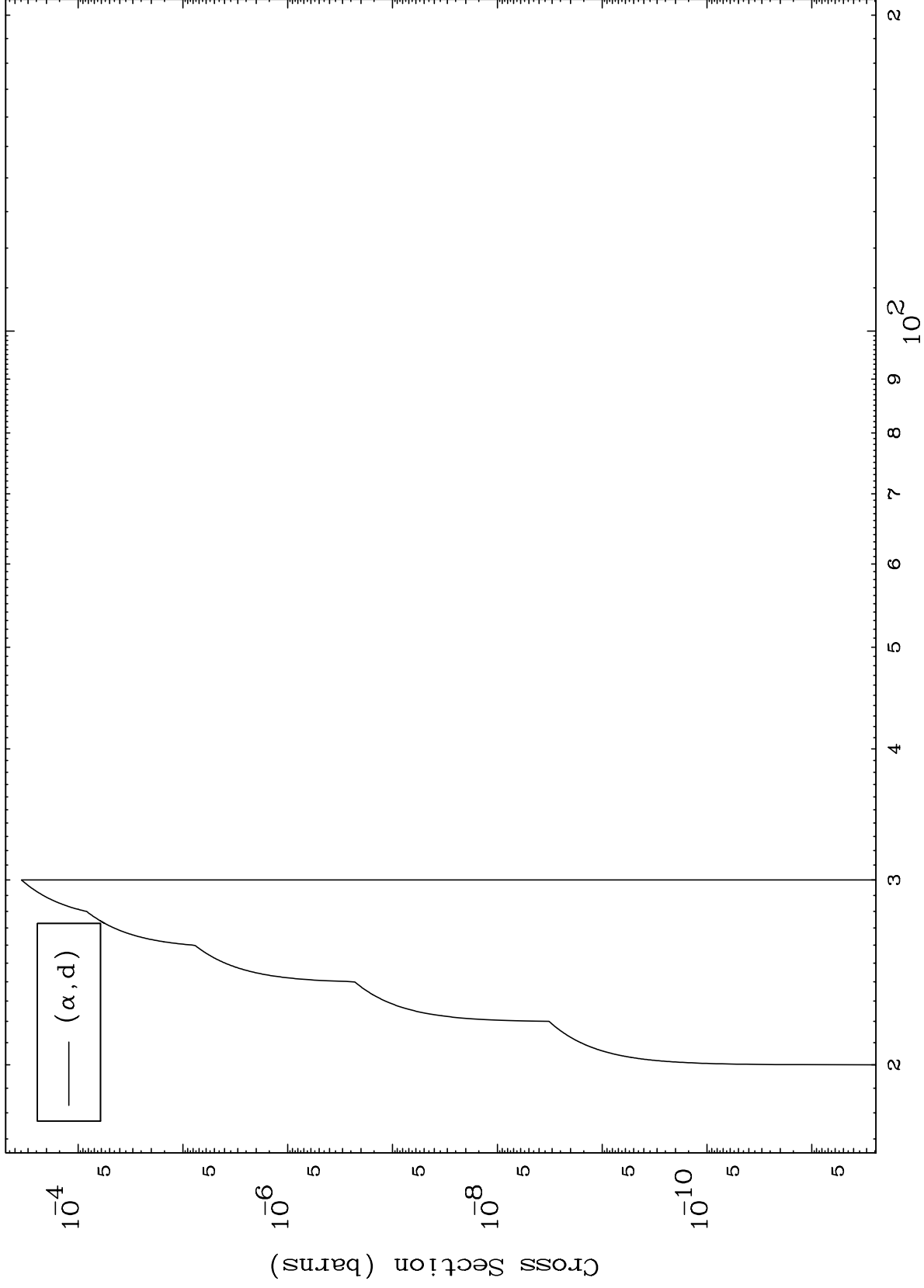
Incident Energy (MeV)

66-Dy-148

MAT 6601

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

66-Dy-148



7

Incident Energy (MeV)

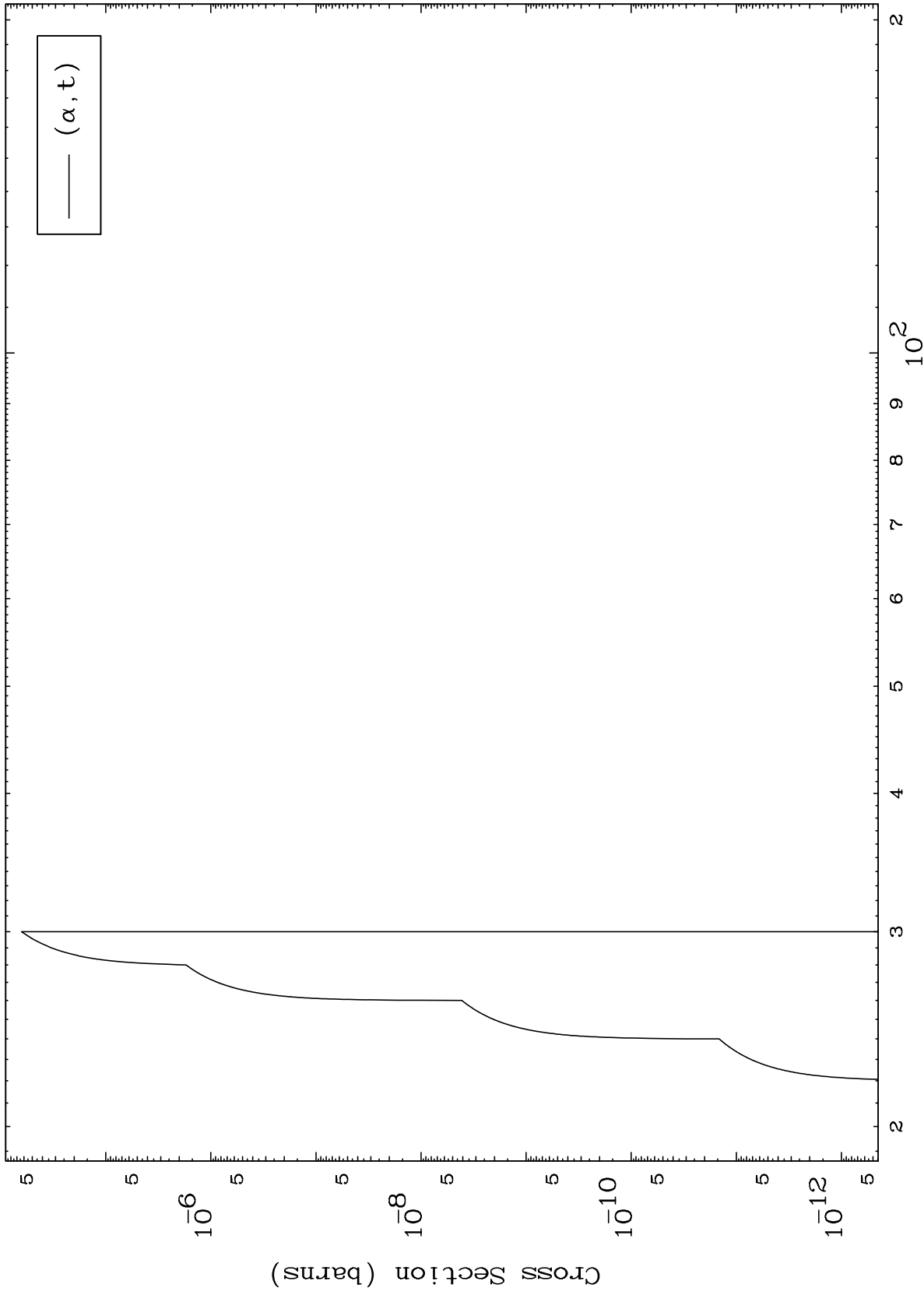
66-Dy-148



MAT 6601

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

66-Dy-148



8

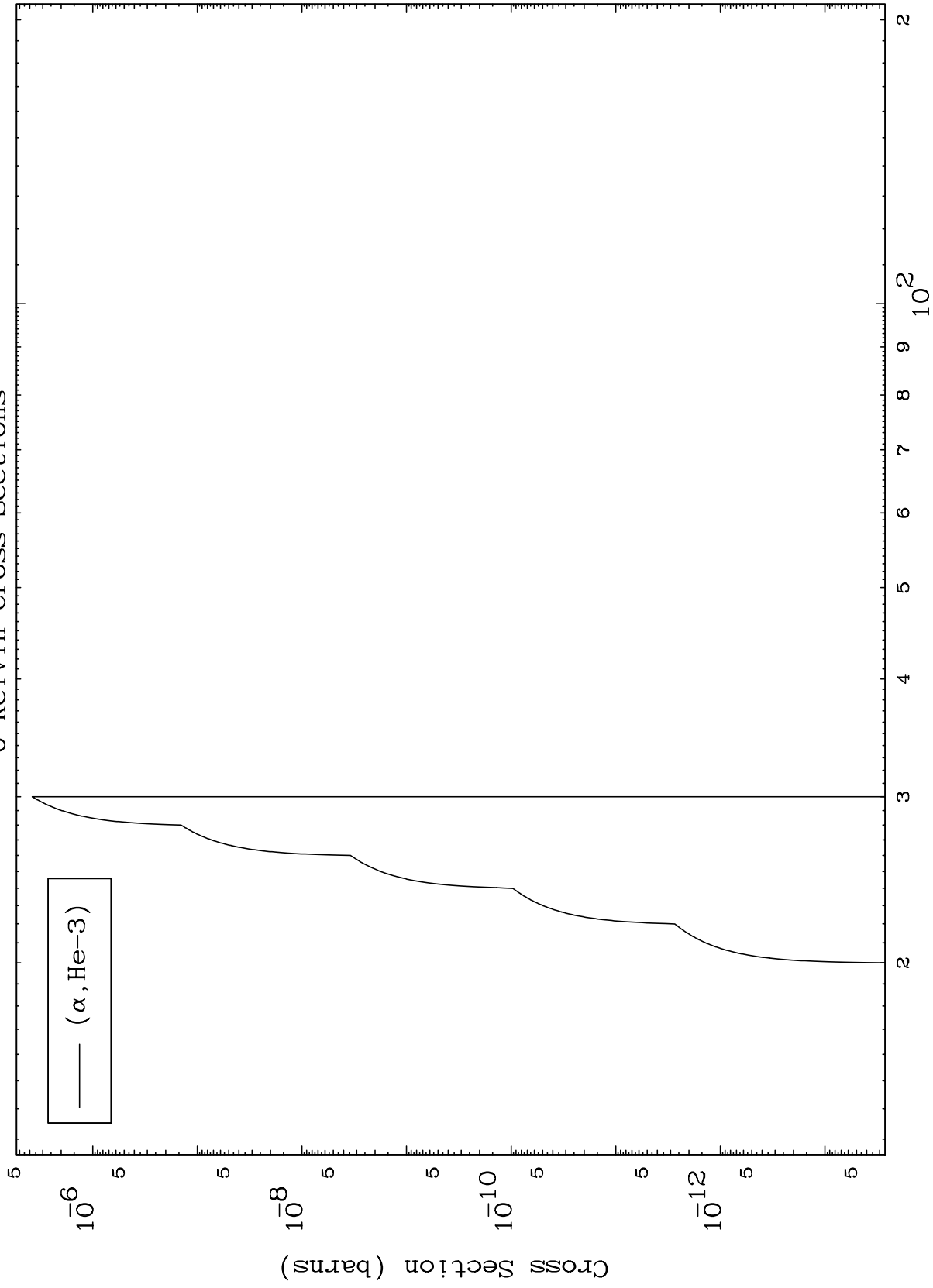
Incident Energy (MeV)

66-Dy-148

MAT 6601

( $\alpha$ ,He3) Levels  
0 Kelvin Cross Sections

66-Dy-148



9

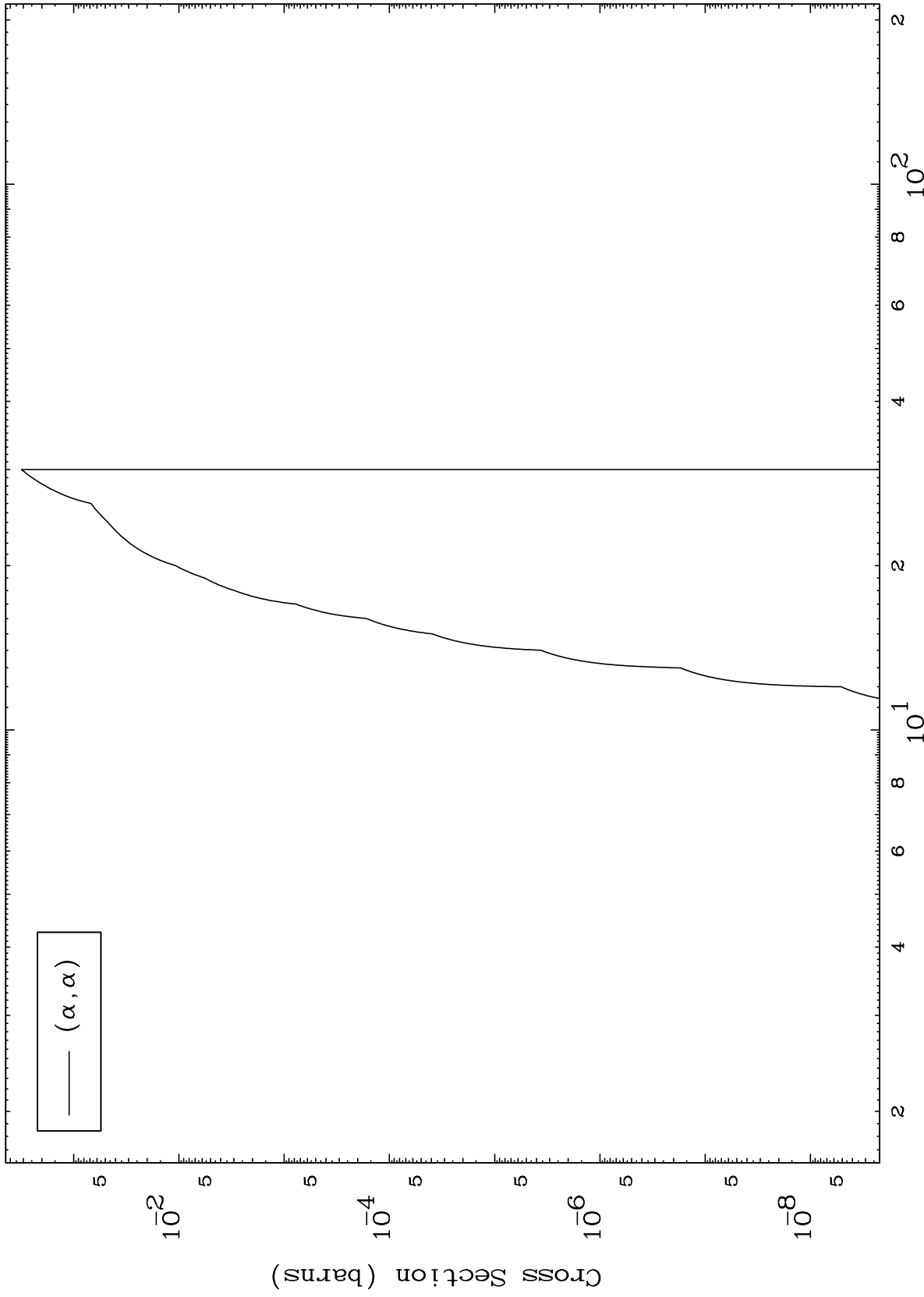
Incident Energy (MeV)

66-Dy-148

MAT 6601

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

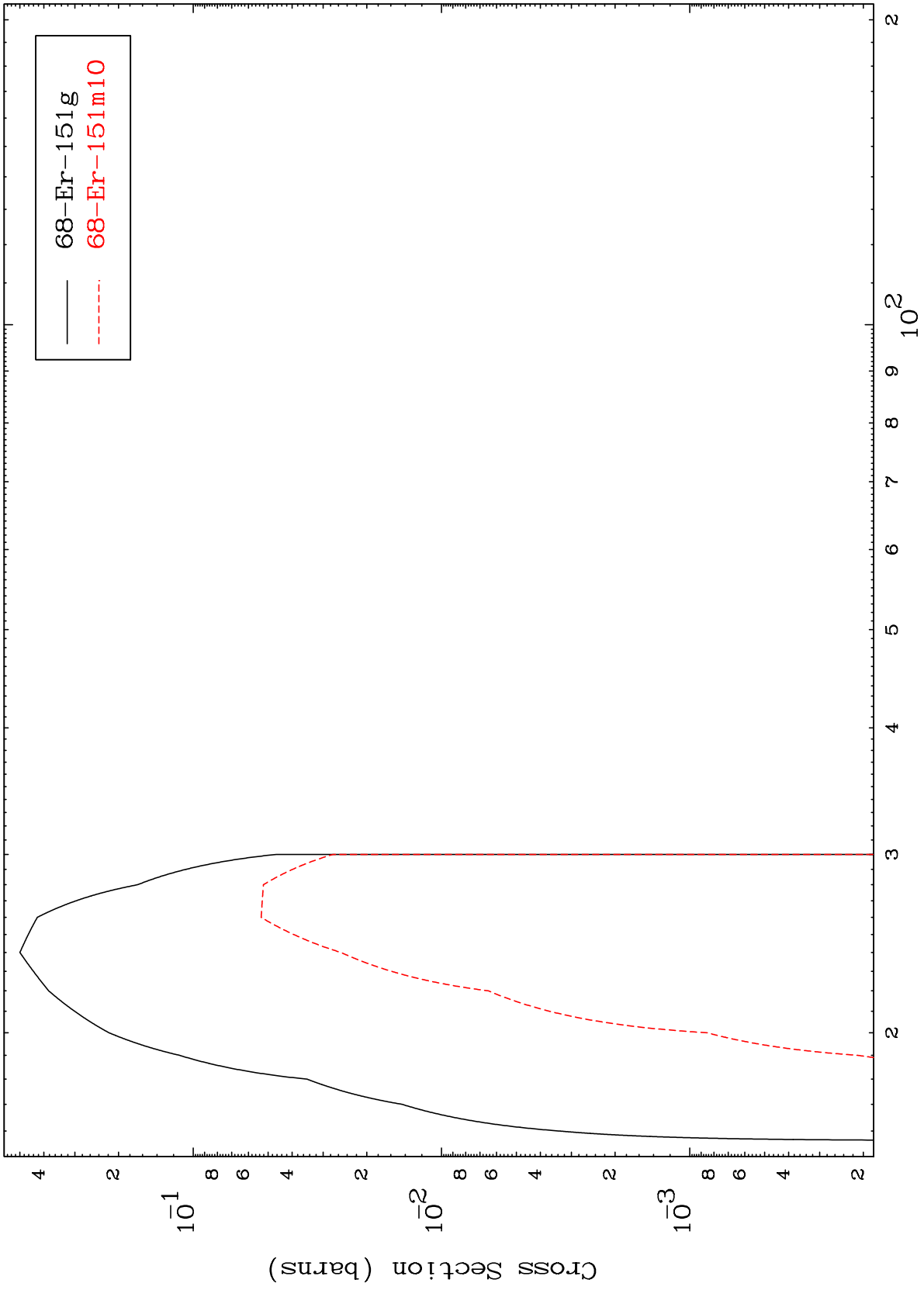
66-Dy-148



10

Incident Energy (MeV)

66-Dy-148

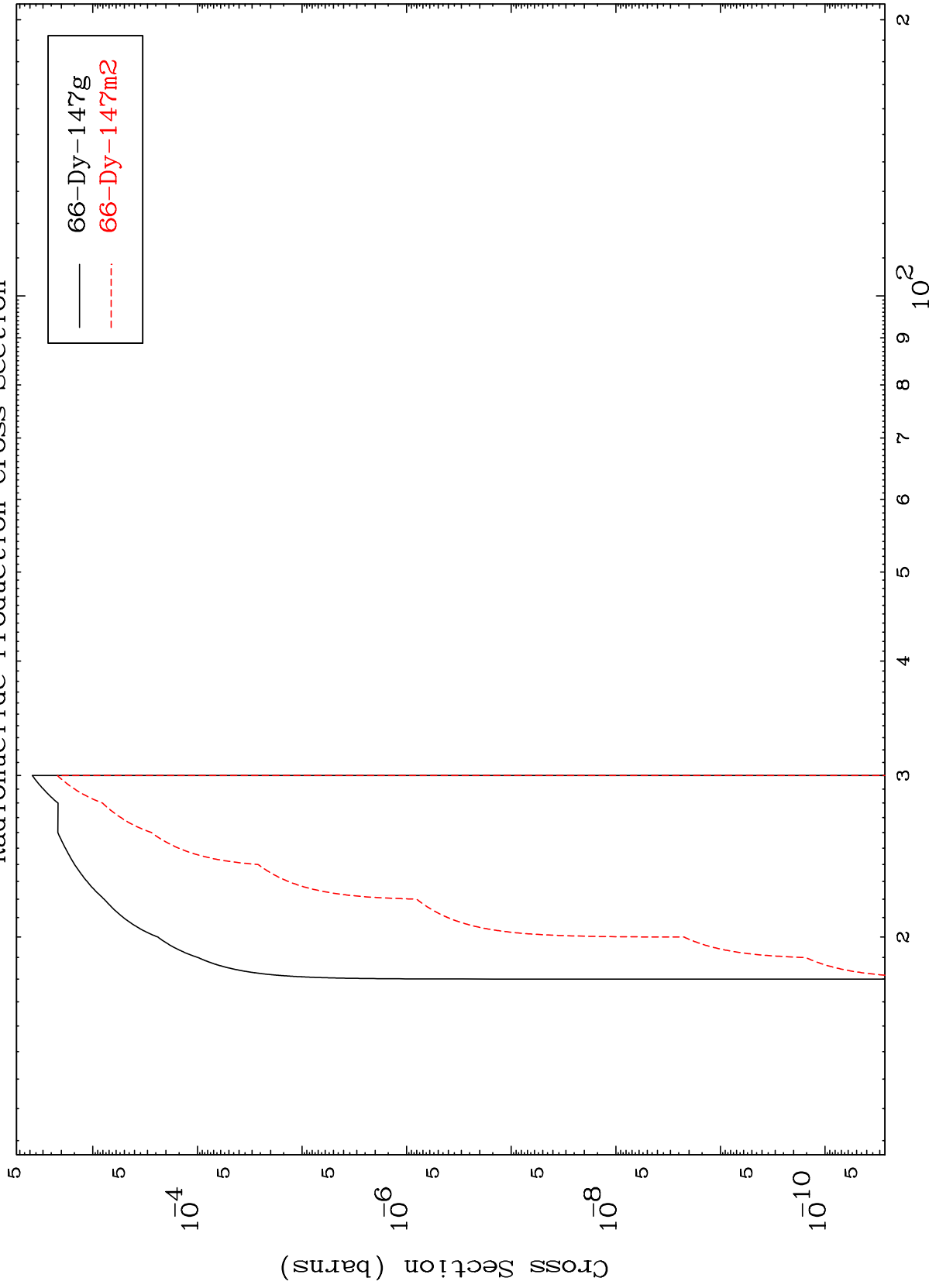


MAT 6601

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

66-Dy-148

Radionuclide Production Cross Section



12

Incident Energy (MeV)

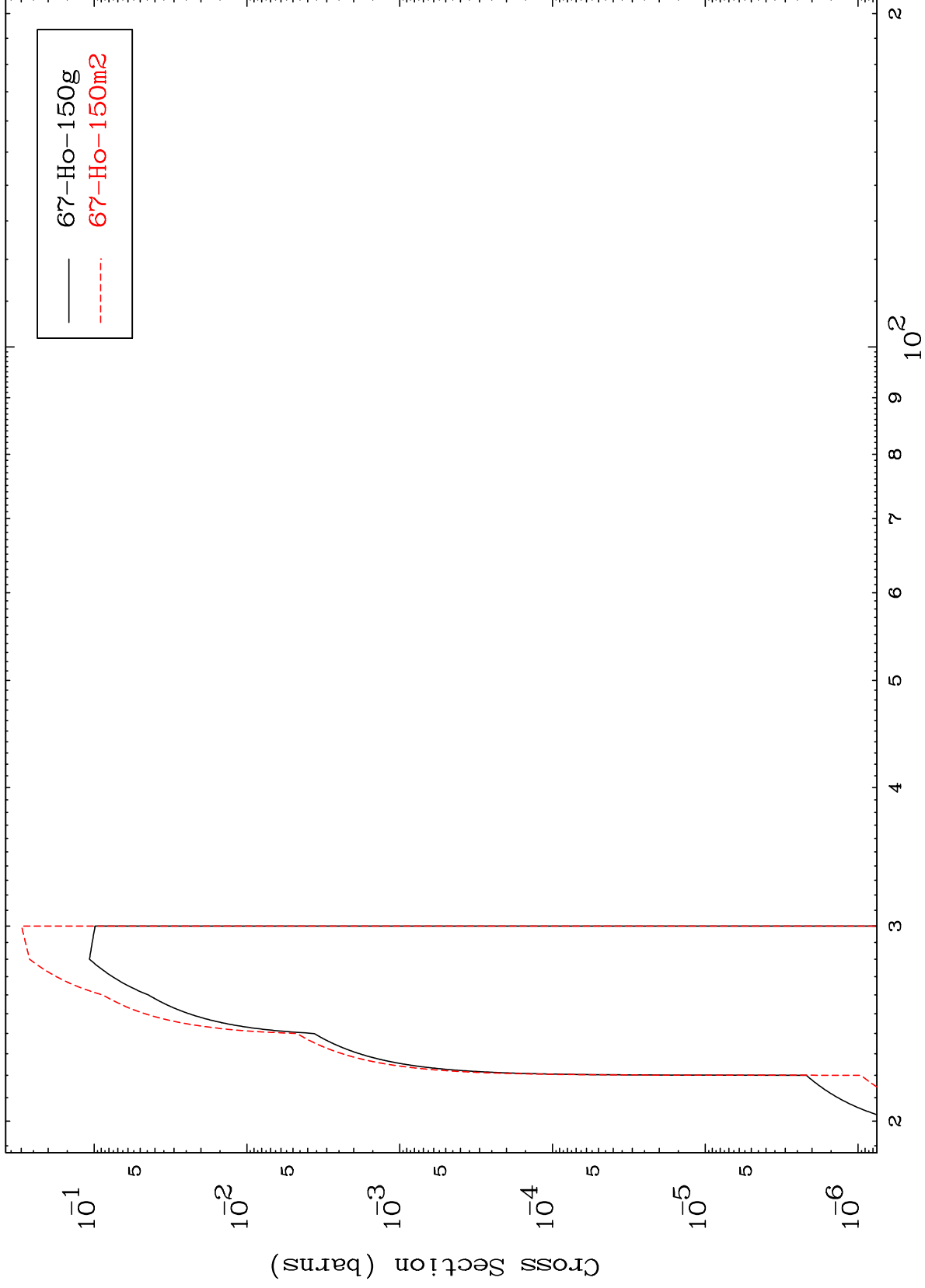
66-Dy-148

MAT 6601

$(\alpha, n')$  p

66-Dy-148

Radionuclide Production Cross Section



13

Incident Energy (MeV)

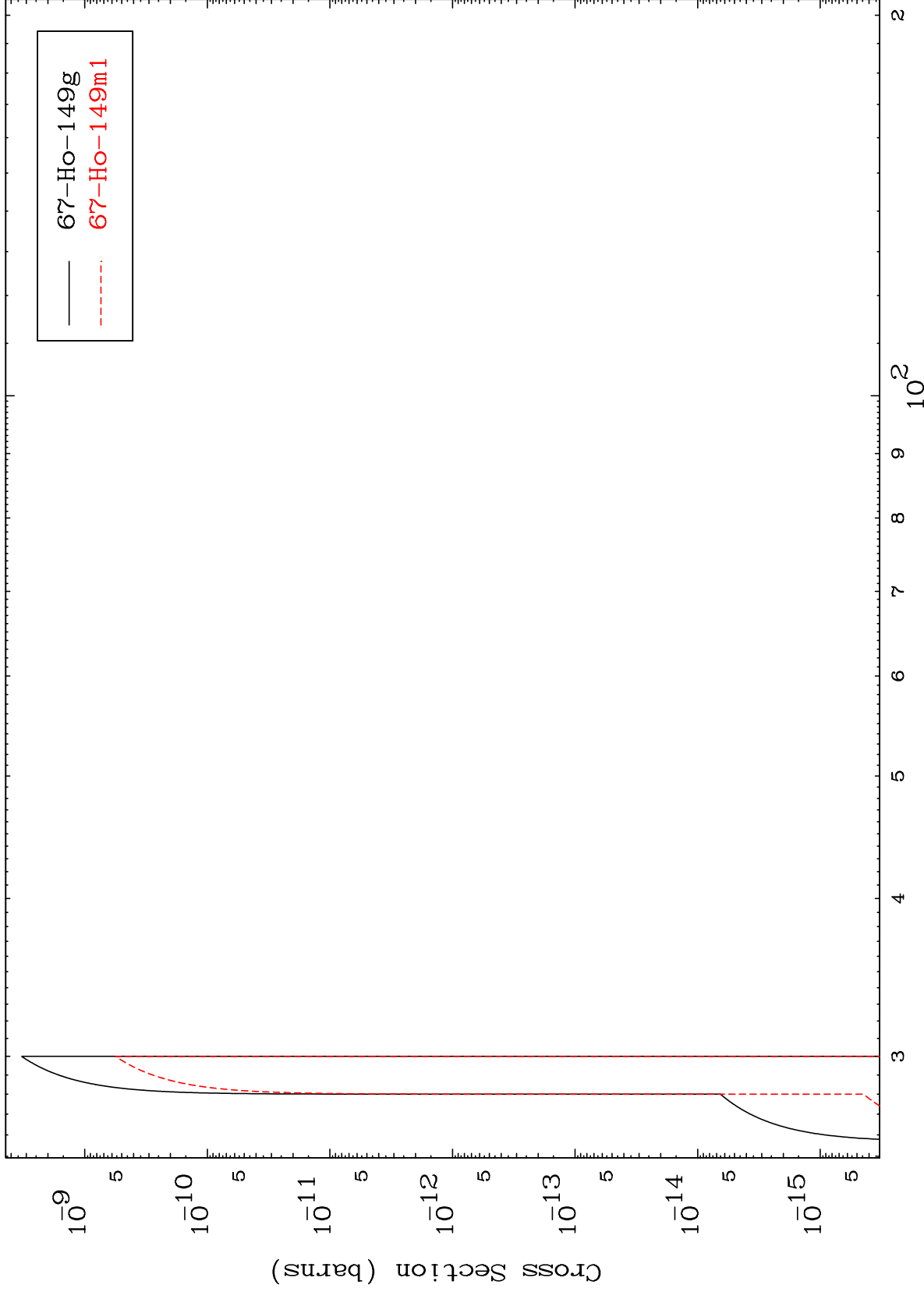
66-Dy-148

MAT 6601

( $\alpha, n'$ ) d

66-Dy-148

Radionuclide Production Cross Section



14

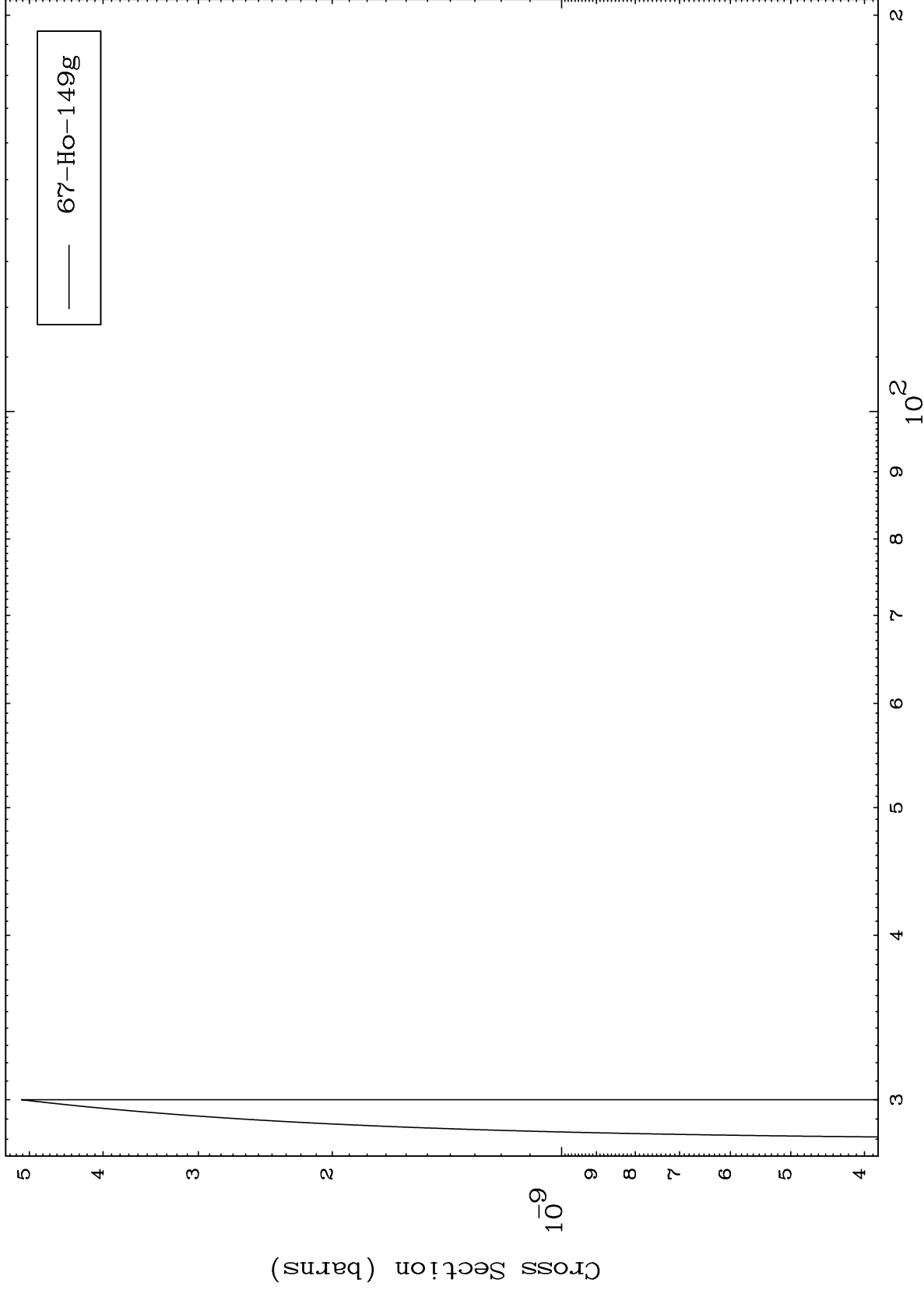
Incident Energy (MeV)

66-Dy-148

MAT 6601

66-Dy-148

( $\alpha, 2n$ ) p  
Radionuclide Production Cross Section



15

Incident Energy (MeV)

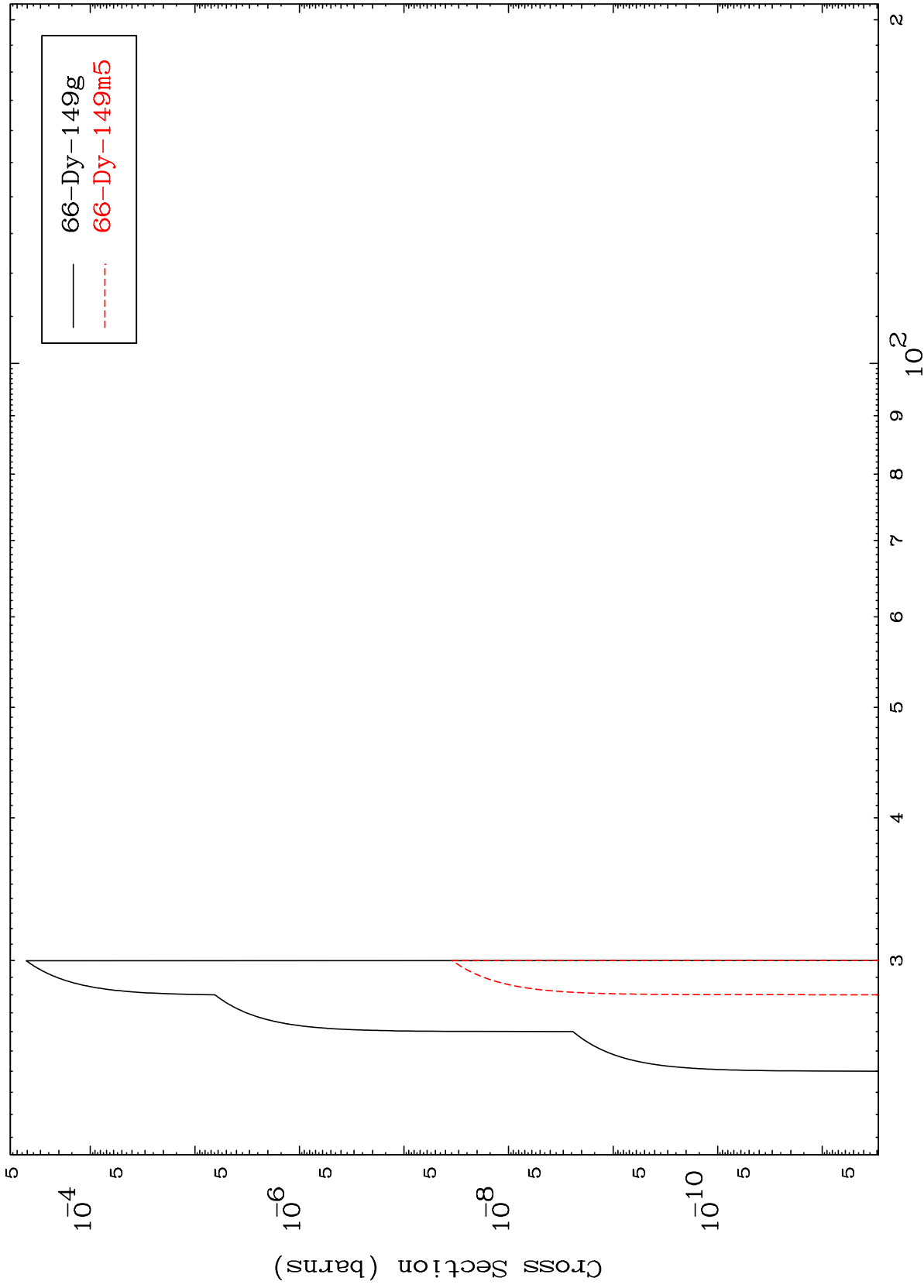
66-Dy-148



MAT 6601

66-Dy-148

$(\alpha, 2n)$  p  
Radionuclide Production Cross Section



16

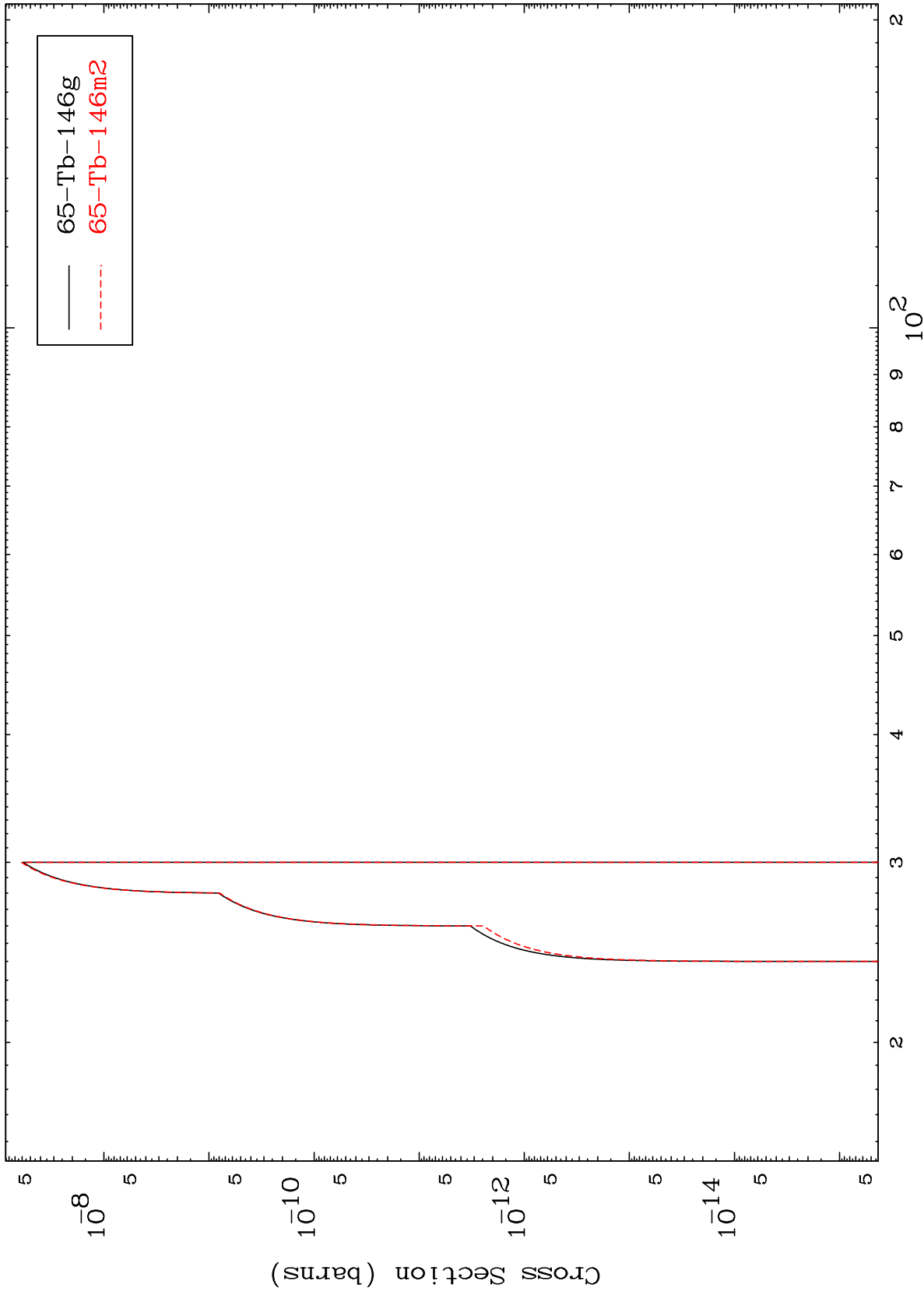
66-Dy-148

Incident Energy (MeV)

MAT 6601

66-Dy-148

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



17

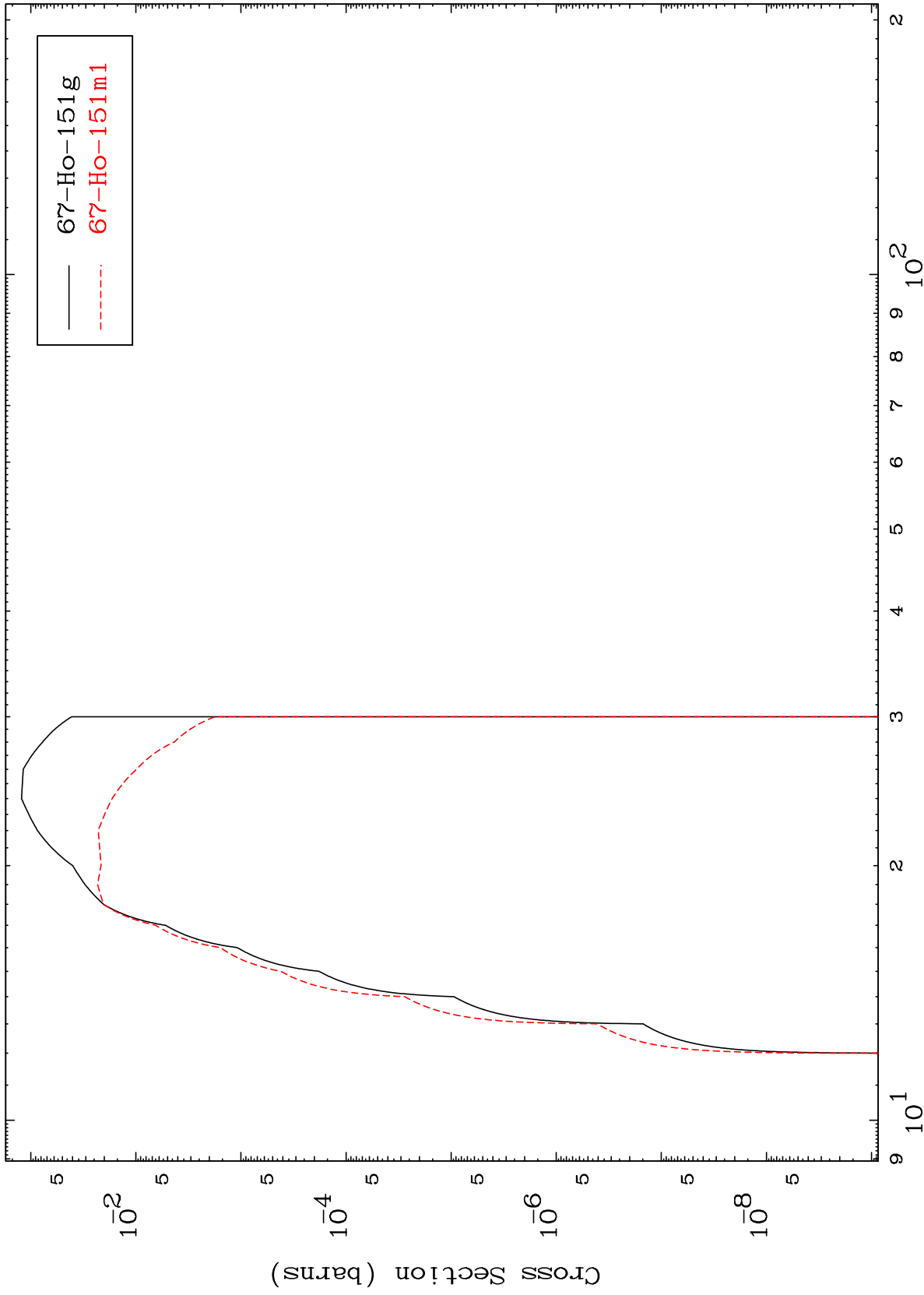
Incident Energy (MeV)

66-Dy-148

MAT 6601

66-Dy-148

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



18

Incident Energy (MeV)

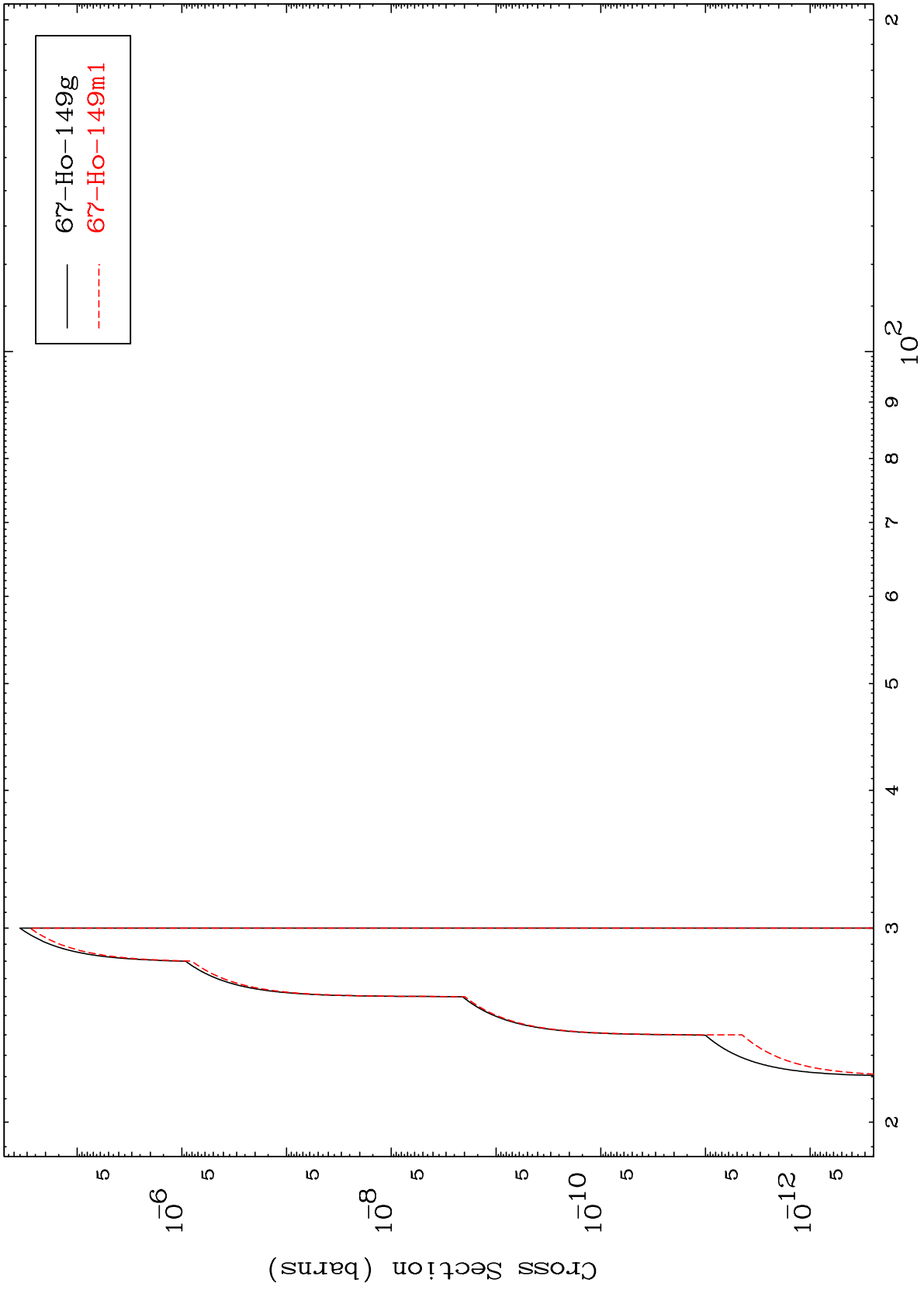
66-Dy-148



MAT 6601

66-Dy-148

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



20

Incident Energy (MeV)

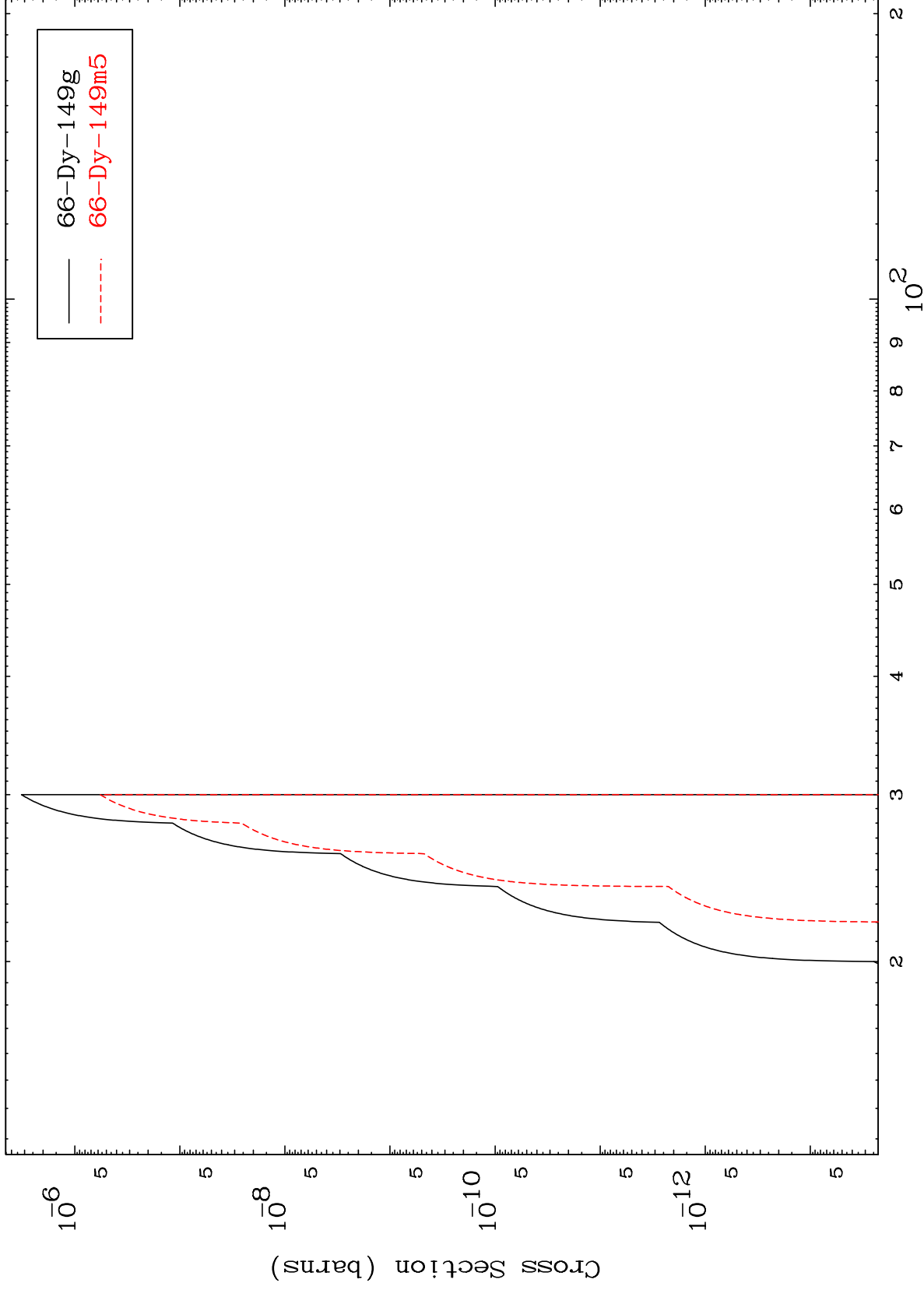
66-Dy-148

MAT 6601

( $\alpha, \text{He-3}$ )

66-Dy-148

Radionuclide Production Cross Section



21

Incident Energy (MeV)

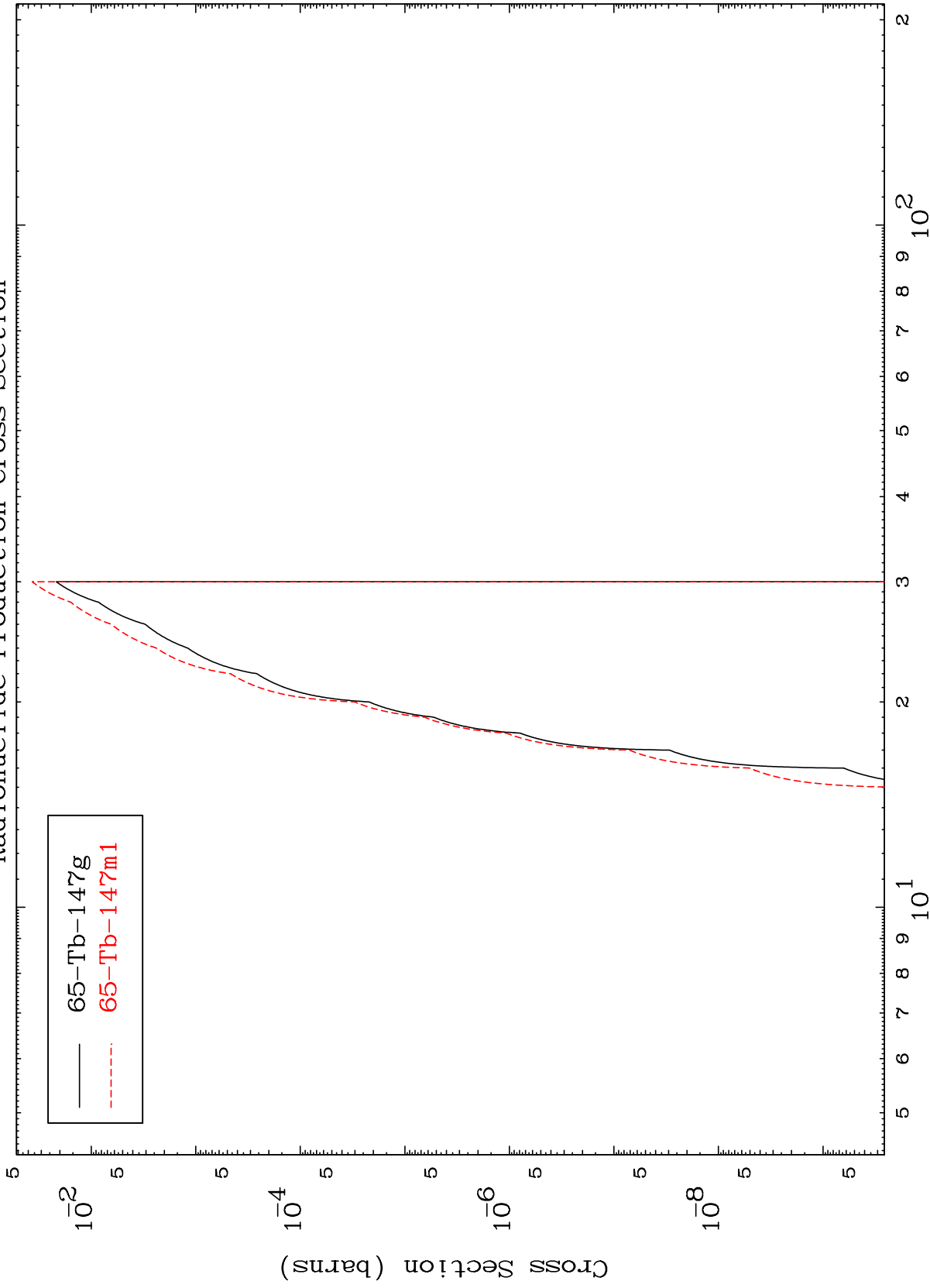
66-Dy-148

MAT 6601

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

66-Dy-148

Radionuclide Production Cross Section



65-Tb-147g  
65-Tb-147m1

22

Incident Energy (MeV)

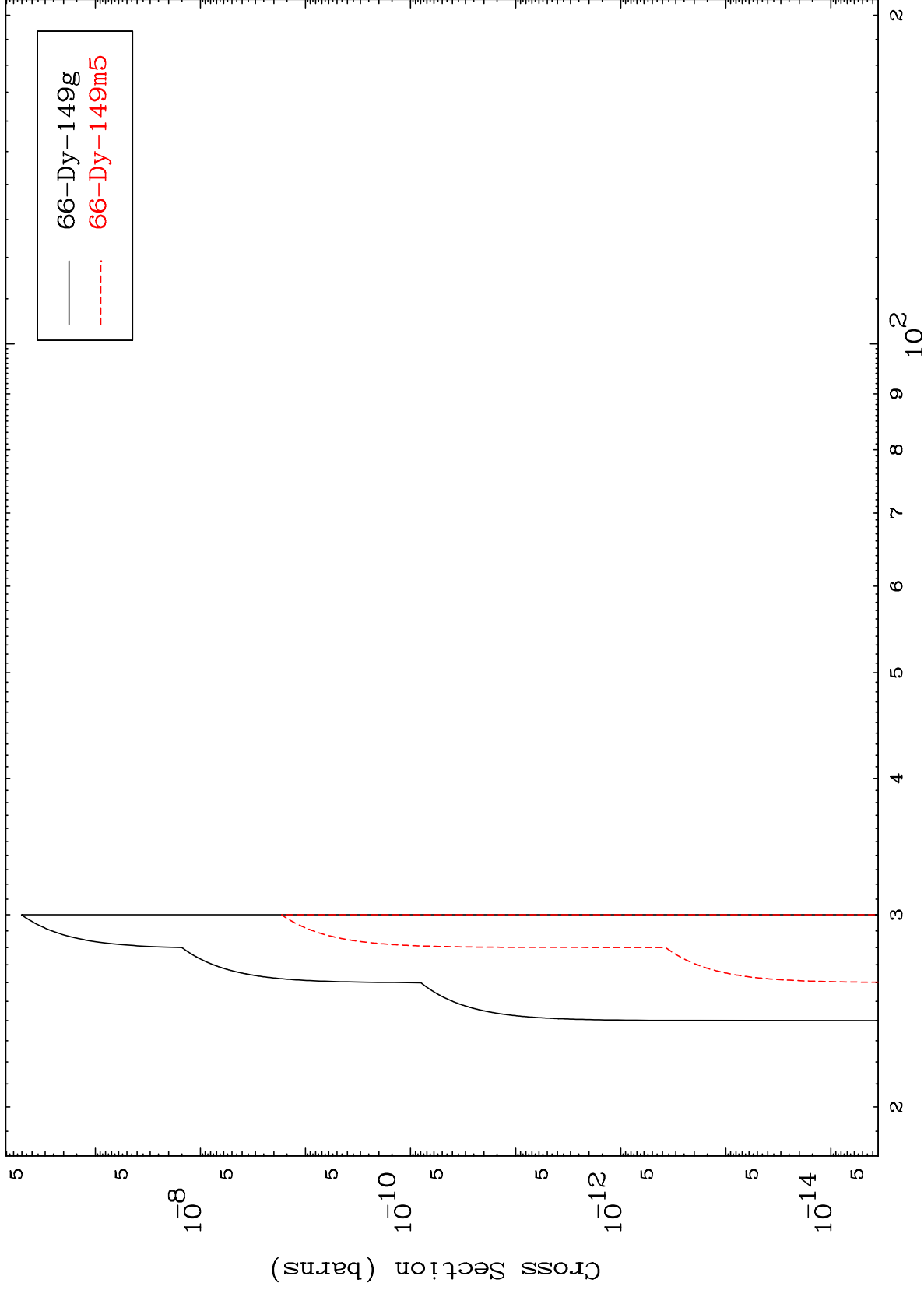
66-Dy-148

MAT 6601

( $\alpha, p$ ) d

66-Dy-148

Radionuclide Production Cross Section



23

Incident Energy (MeV)

66-Dy-148