

Program EVALPLOT  
(Version 2021-1)

by

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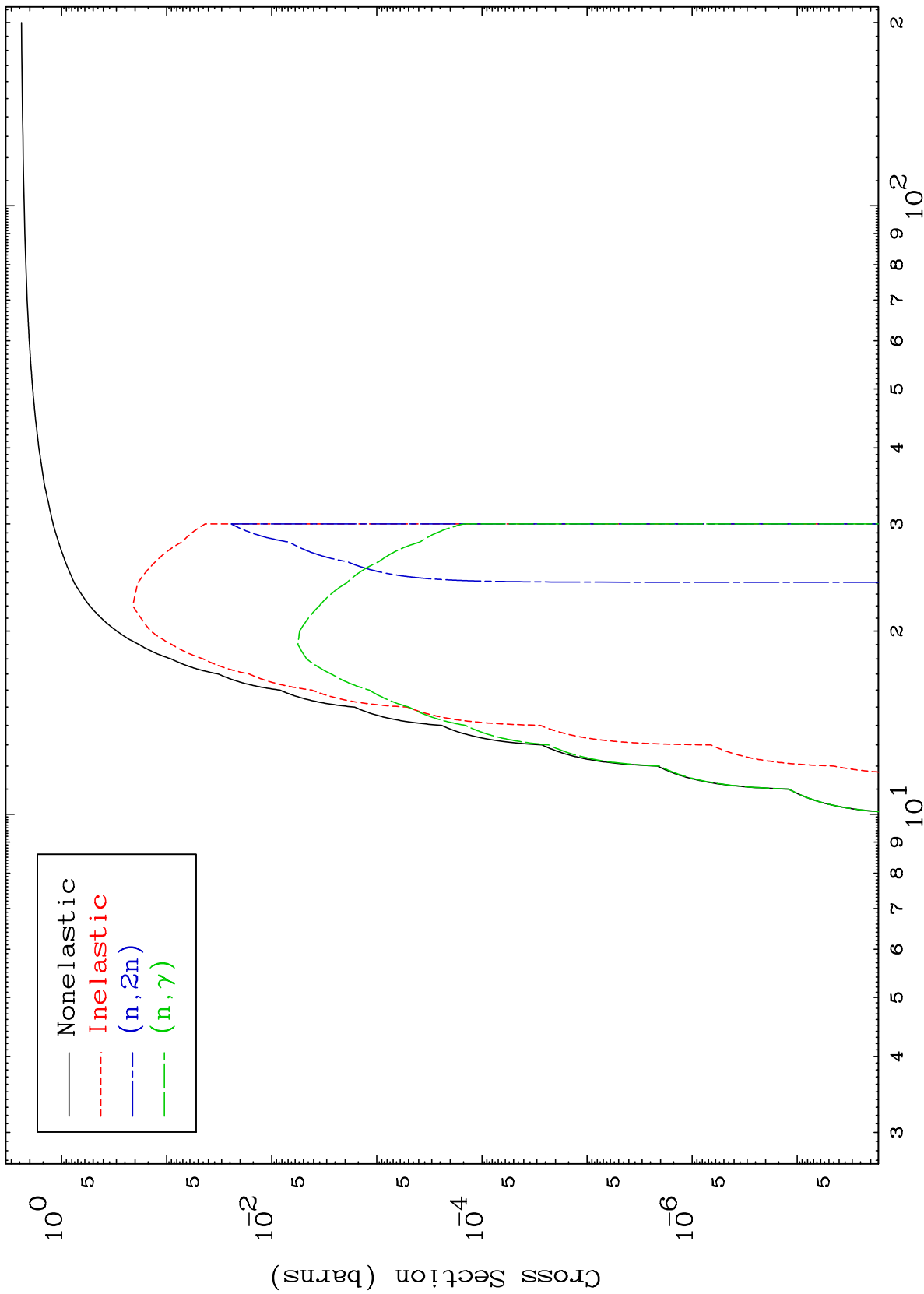
Press Mouse Button to Start

MAT 6599

$\alpha$  Major

66-Dy-147m

0 Kelvin Cross Sections

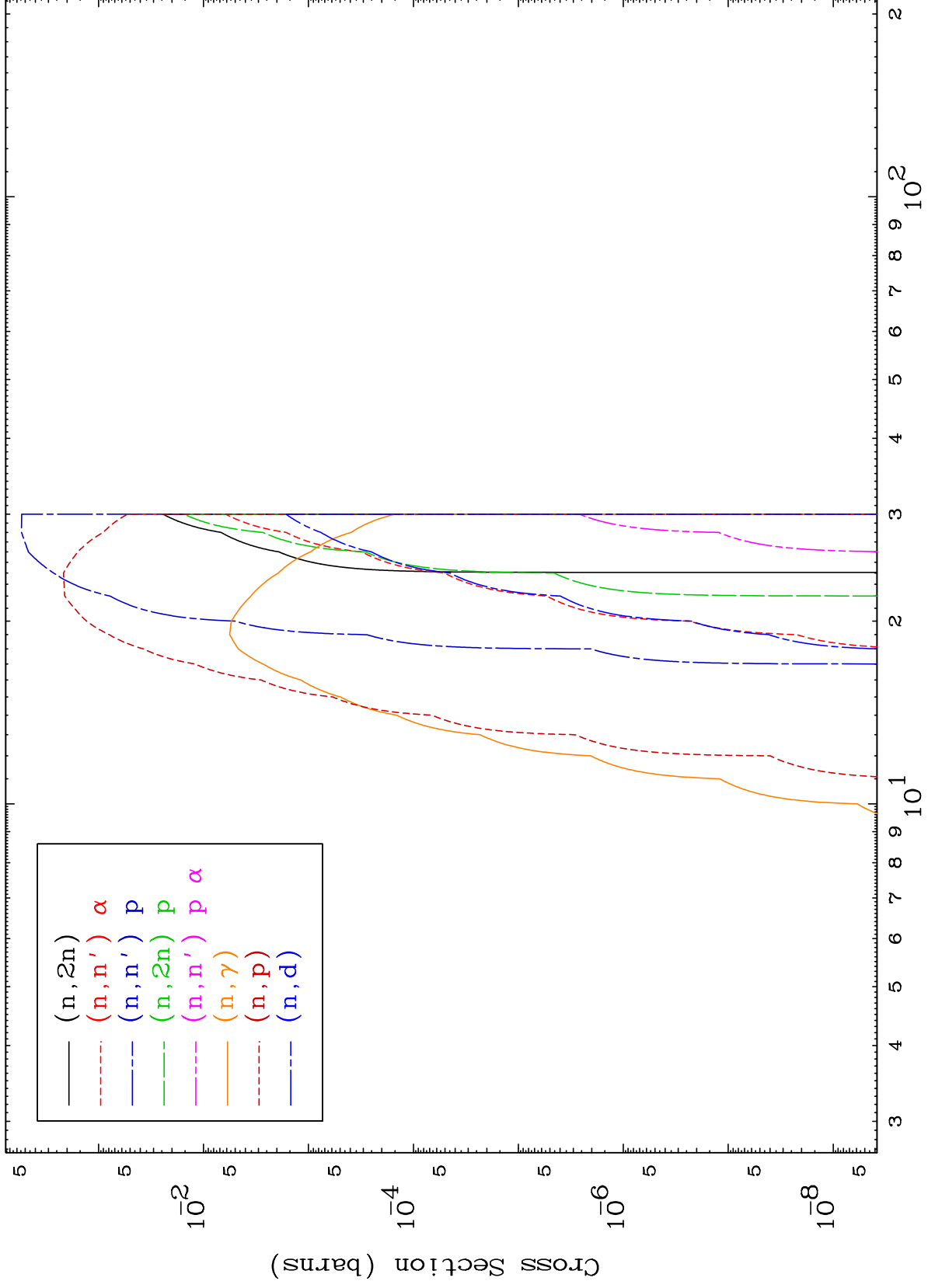


Legend:  
— Nonelastic  
- - - Inelastic  
- - - (n, 2n)  
- - - (n,  $\gamma$ )

66-Dy-147m

Incident Energy (MeV)

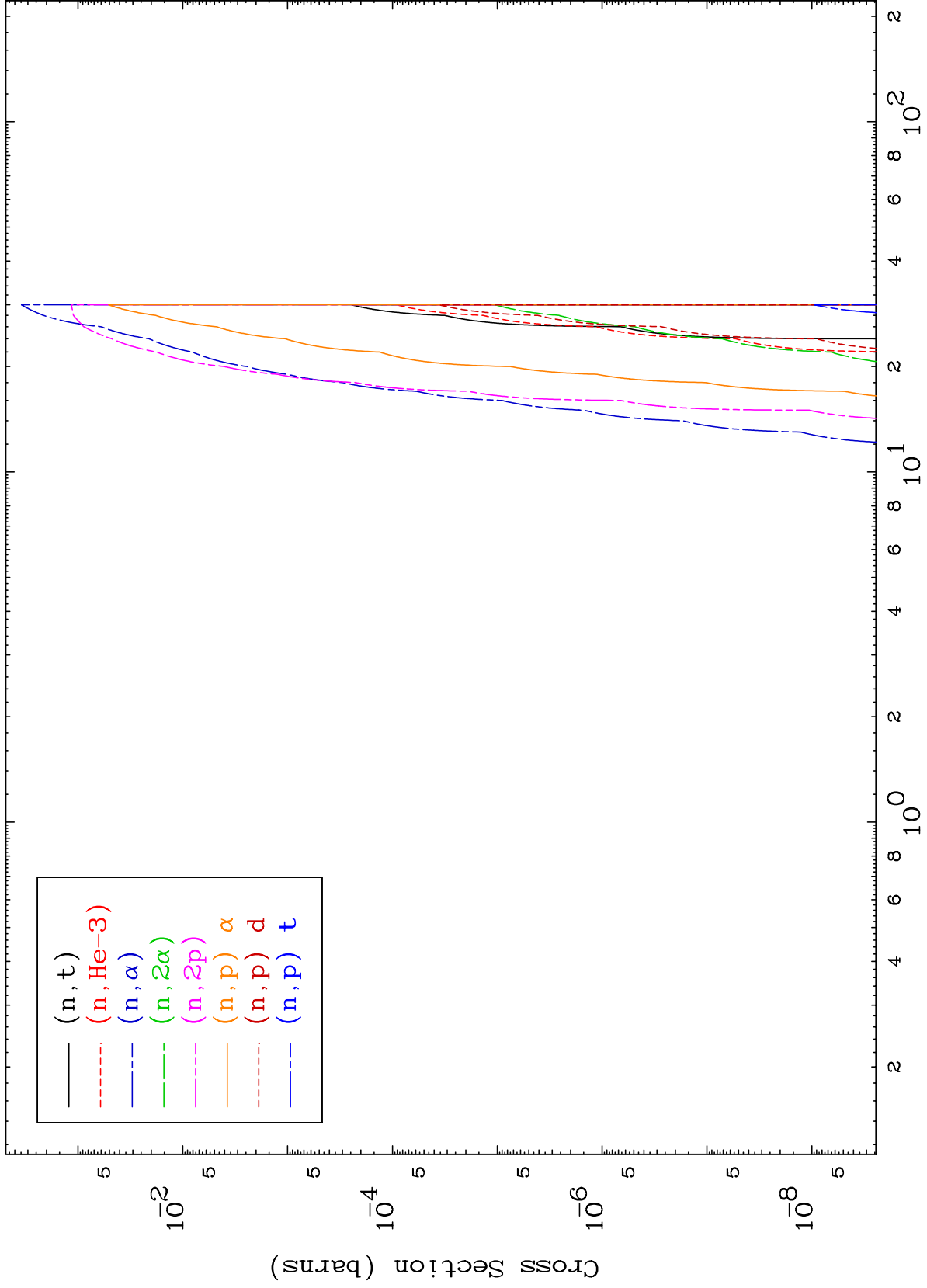
1



MAT 6599

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

66-Dy-147m

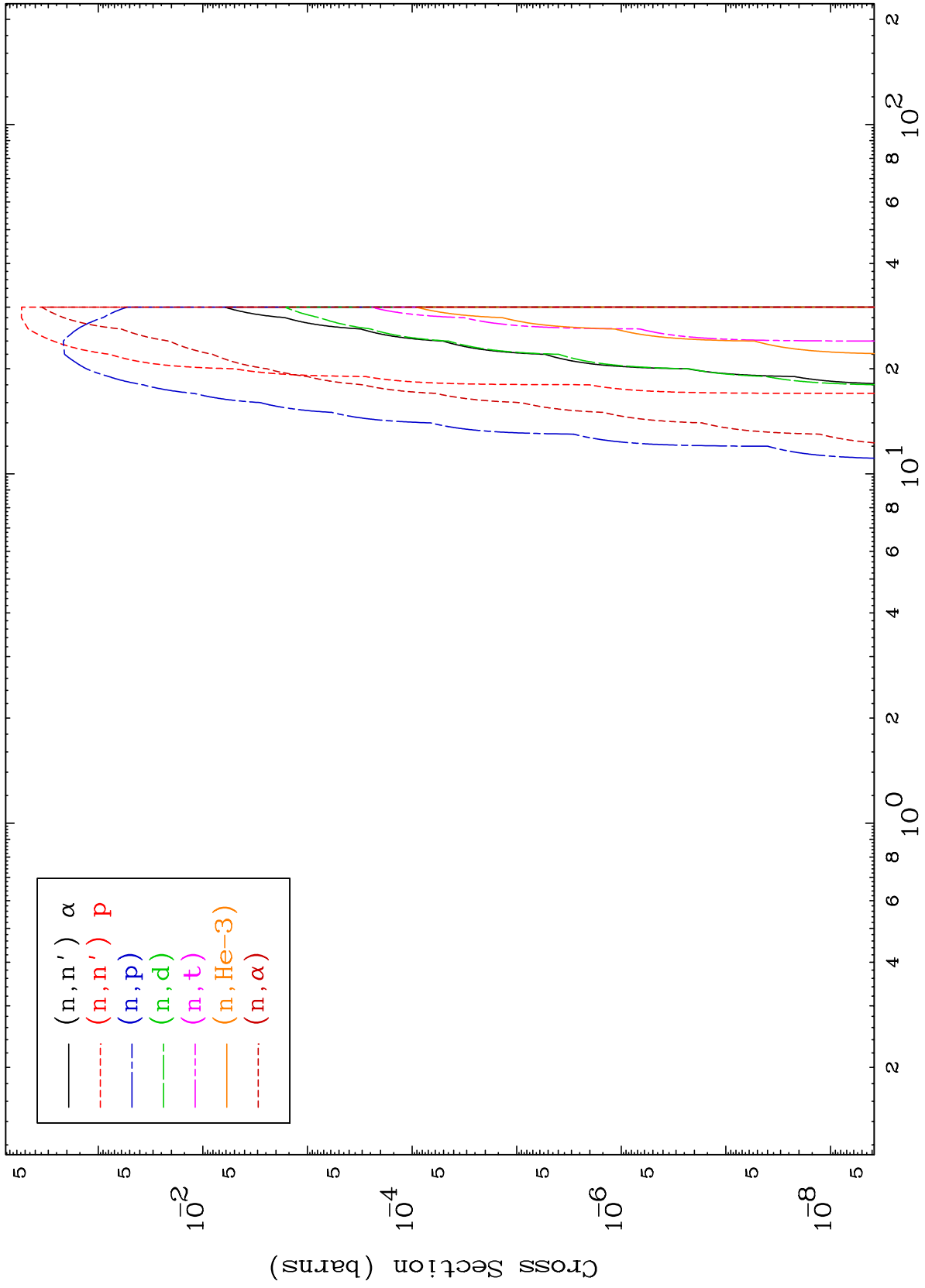


MAT 6599

$\alpha$  Charged Particle

66-Dy-147m

0 Kelvin Cross Sections

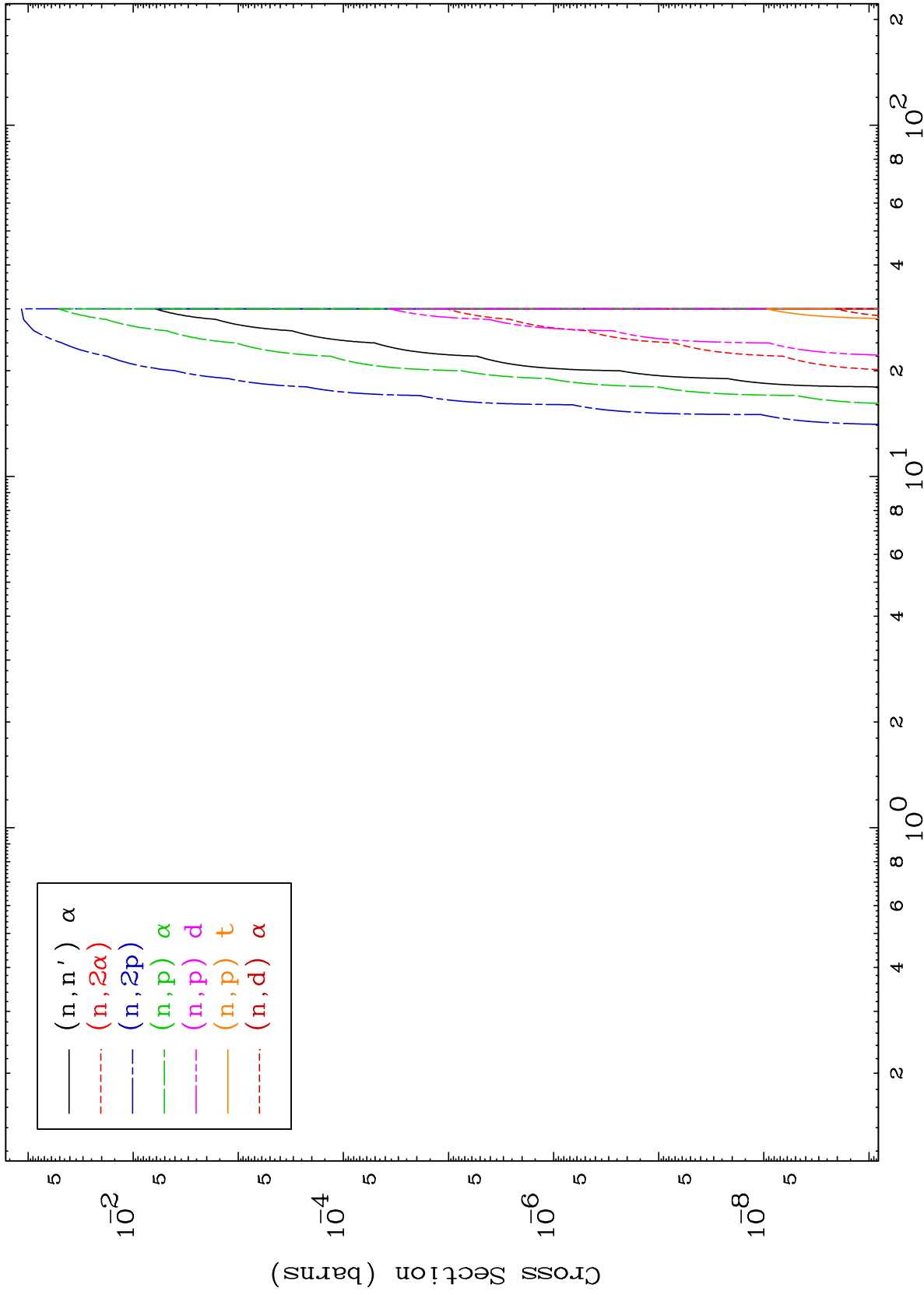


MAT 6599

$\alpha$  Charged Particle

66-Dy-147m

0 Kelvin Cross Sections

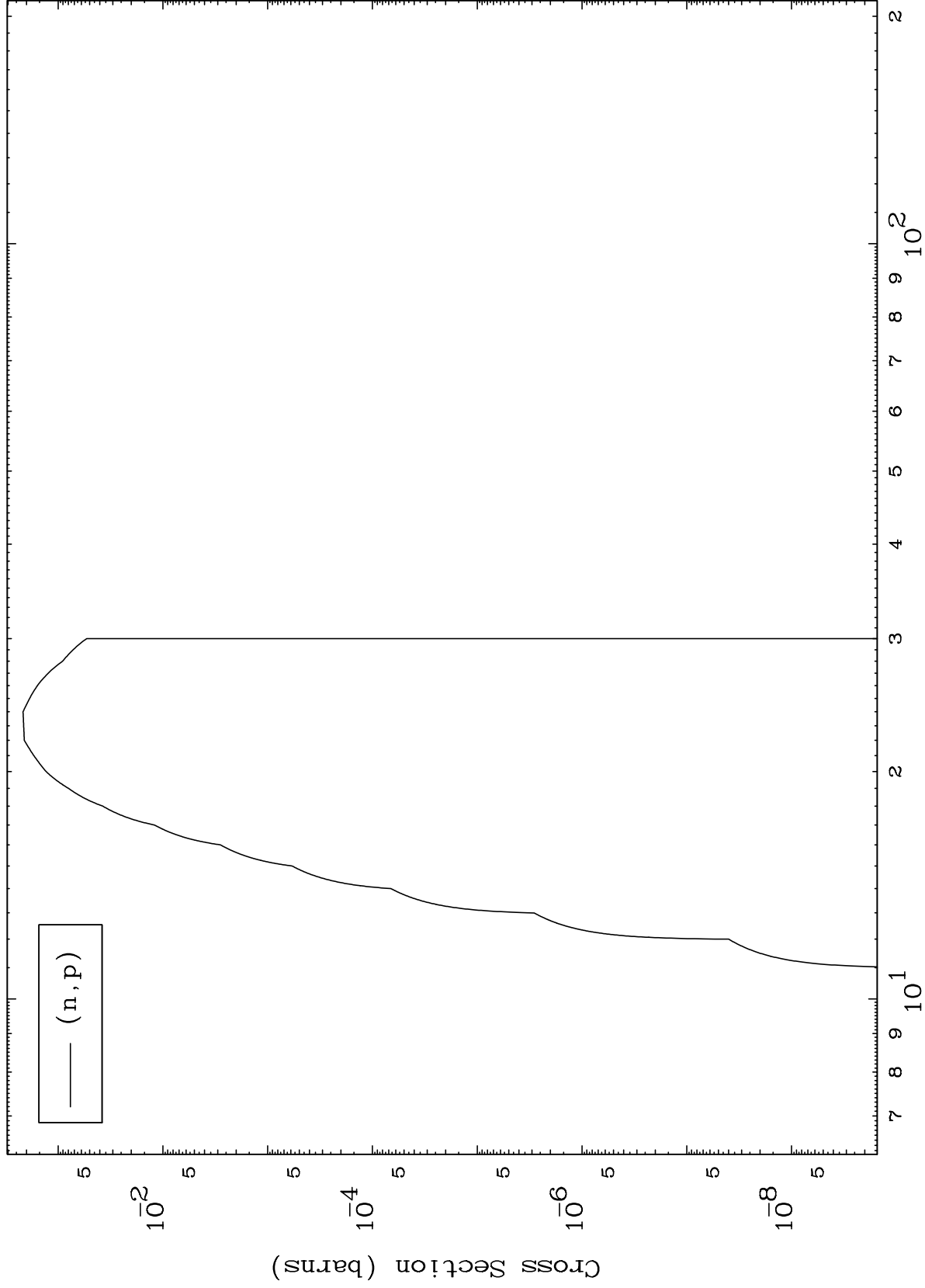


MAT 6599

( $\alpha, p$ ) Levels

66-Dy-147m

0 Kelvin Cross Sections



6

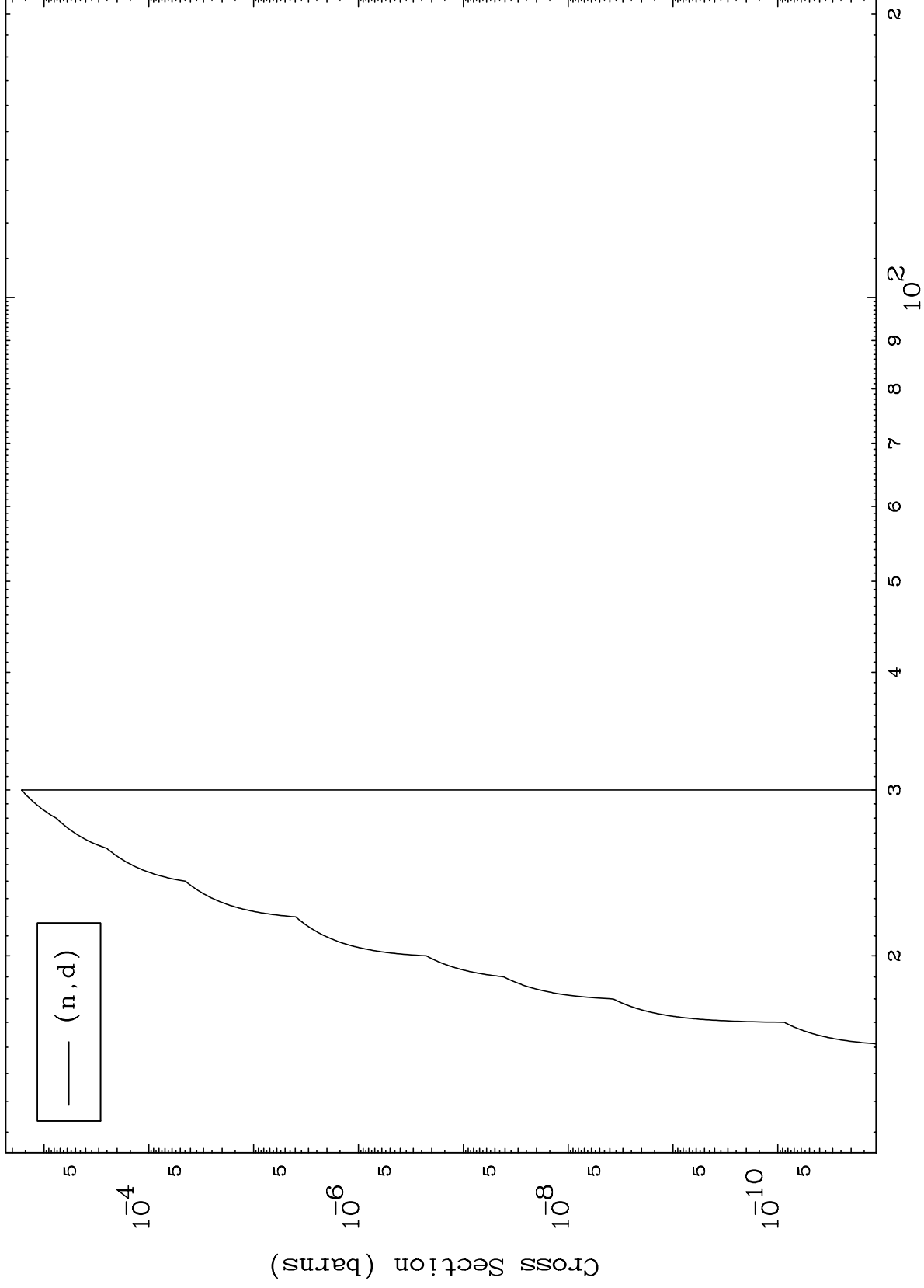
Incident Energy (MeV)

66-Dy-147m

MAT 6599

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

66-Dy-147m



7

Incident Energy (MeV)

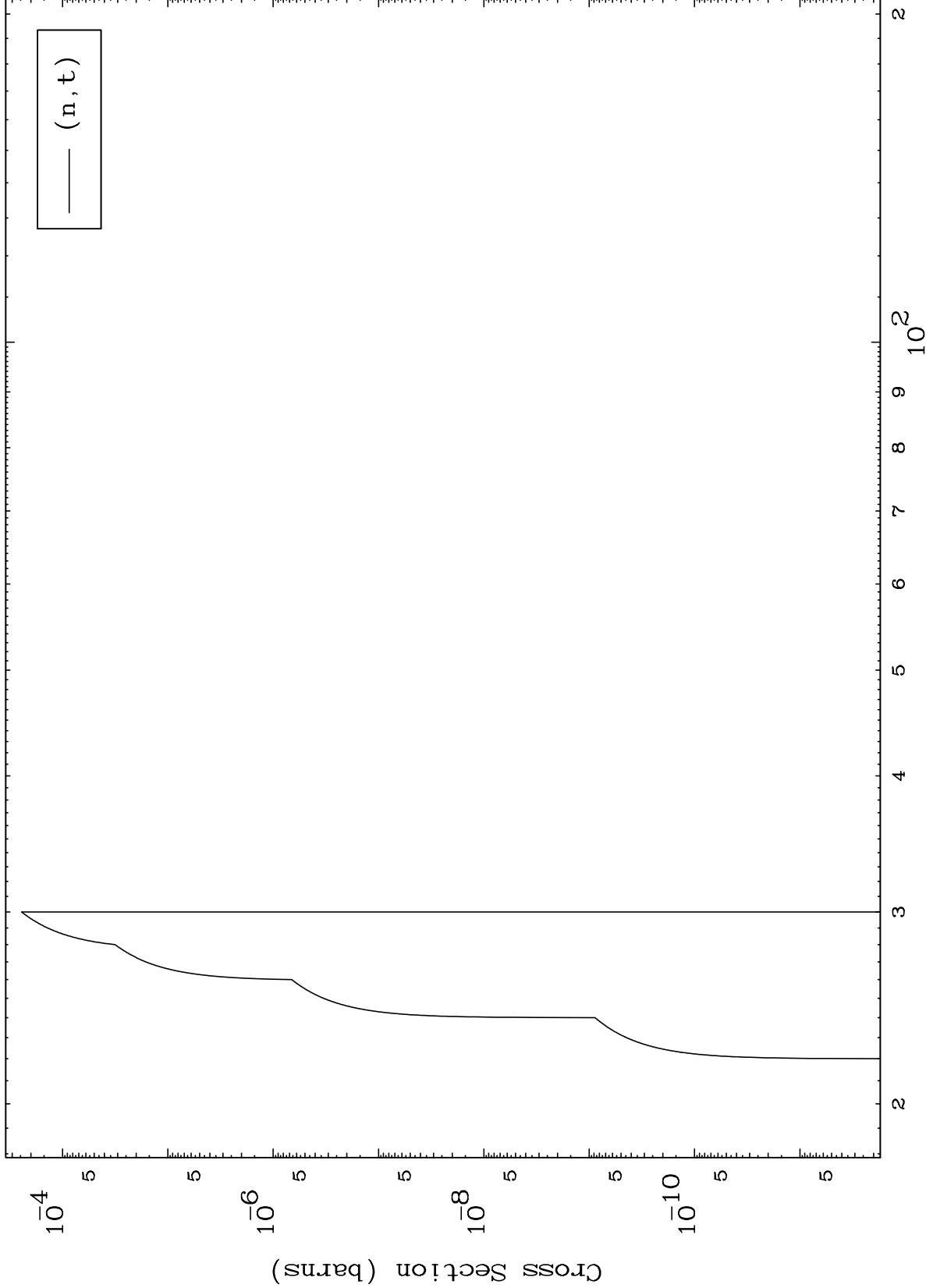
66-Dy-147m



MAT 6599

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

66-Dy-147m



8

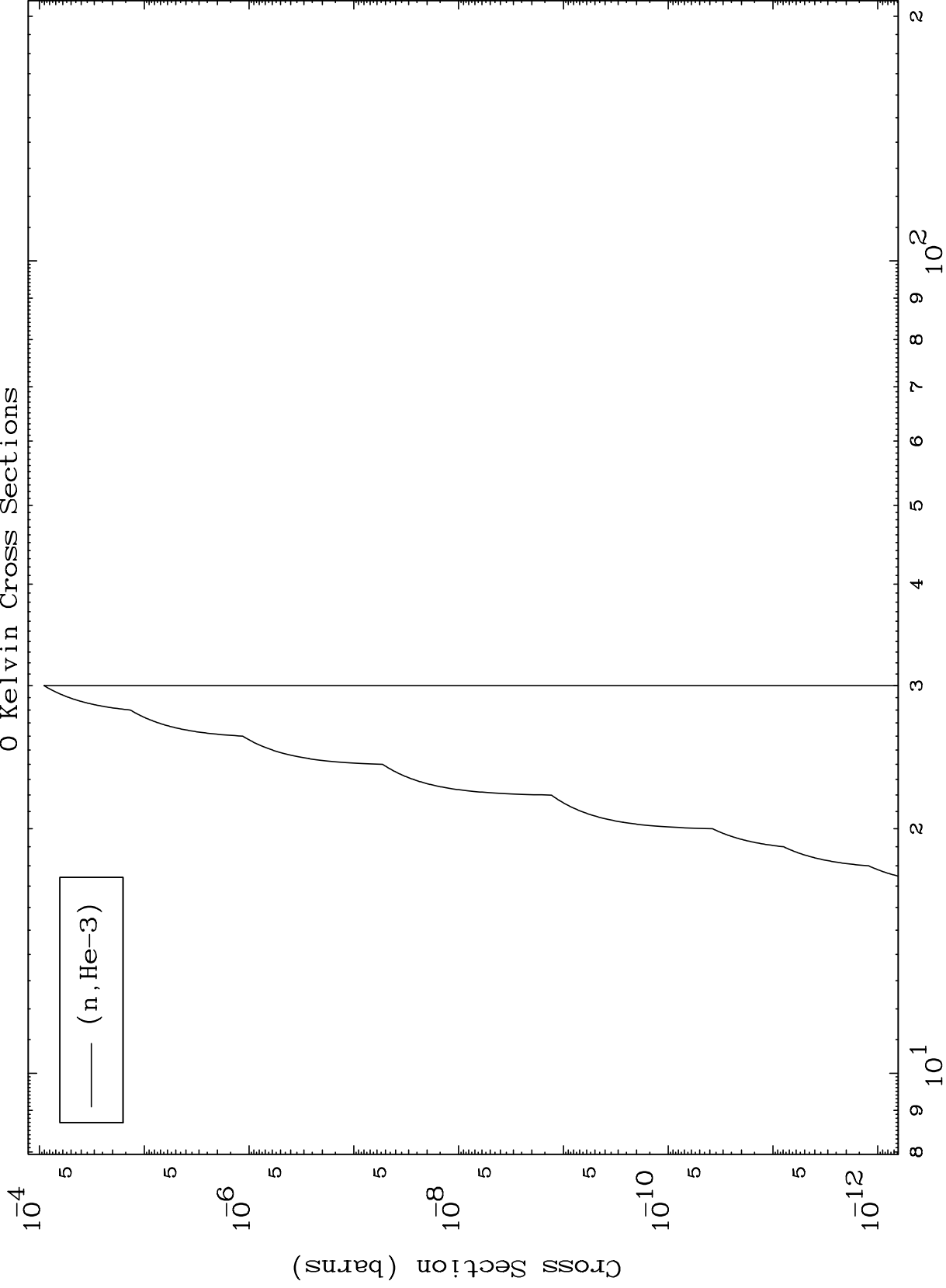
Incident Energy (MeV)

66-Dy-147m

MAT 6599

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

66-Dy-147m



9

Incident Energy (MeV)

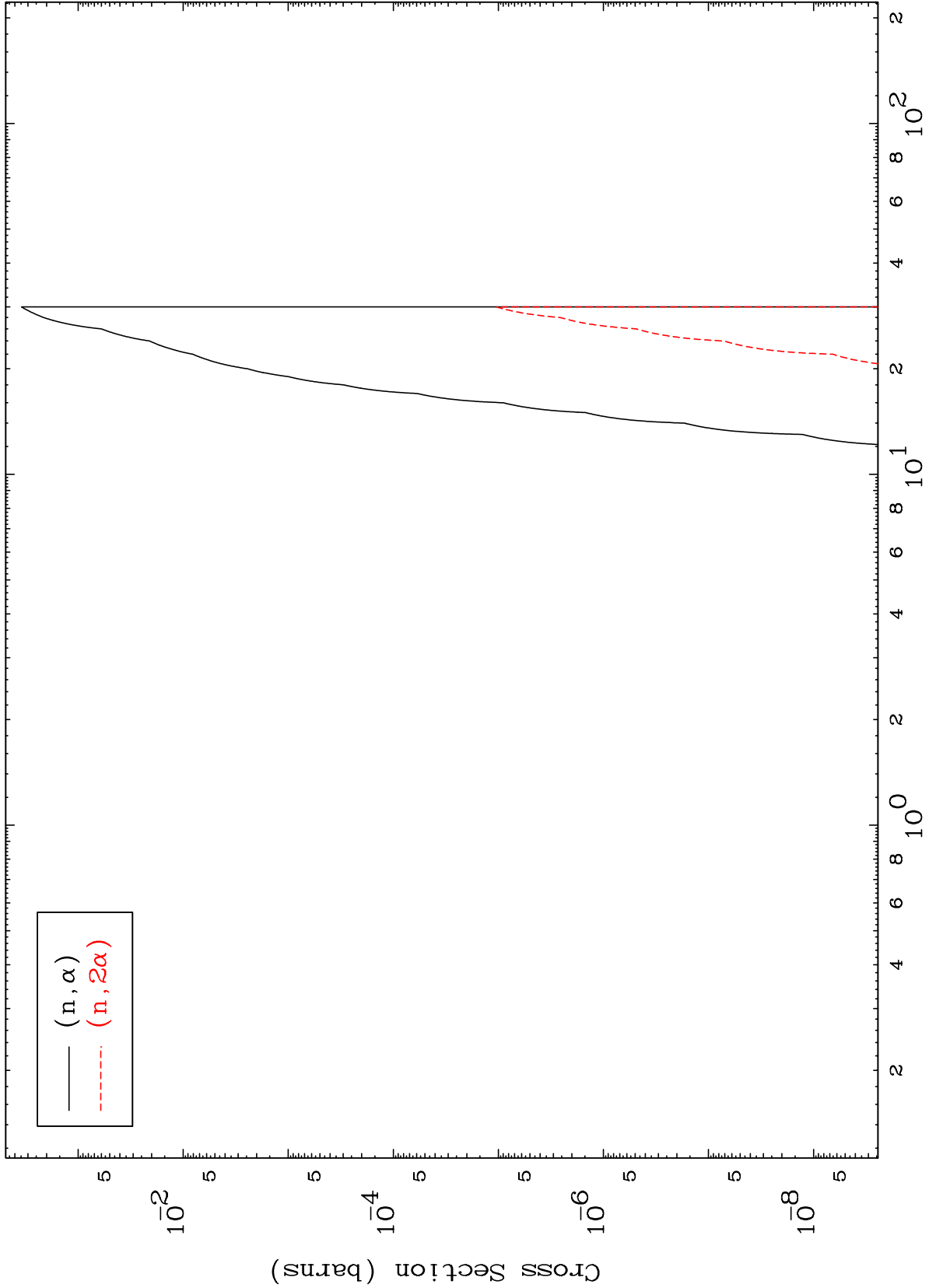
66-Dy-147m

MAT 6599

( $\alpha, \alpha$ ) Levels

66-Dy-147m

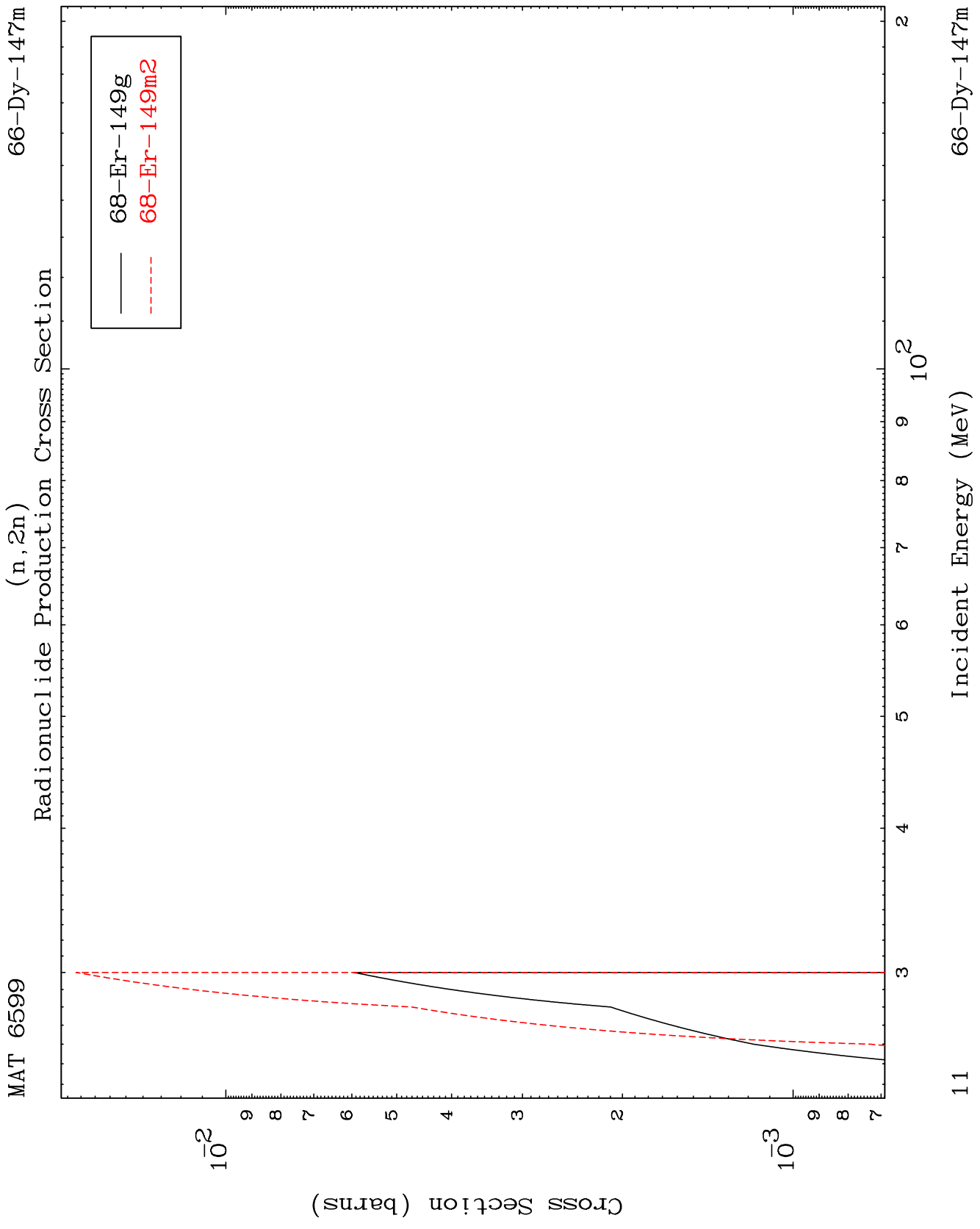
0 Kelvin Cross Sections



10

Incident Energy (MeV)

66-Dy-147m

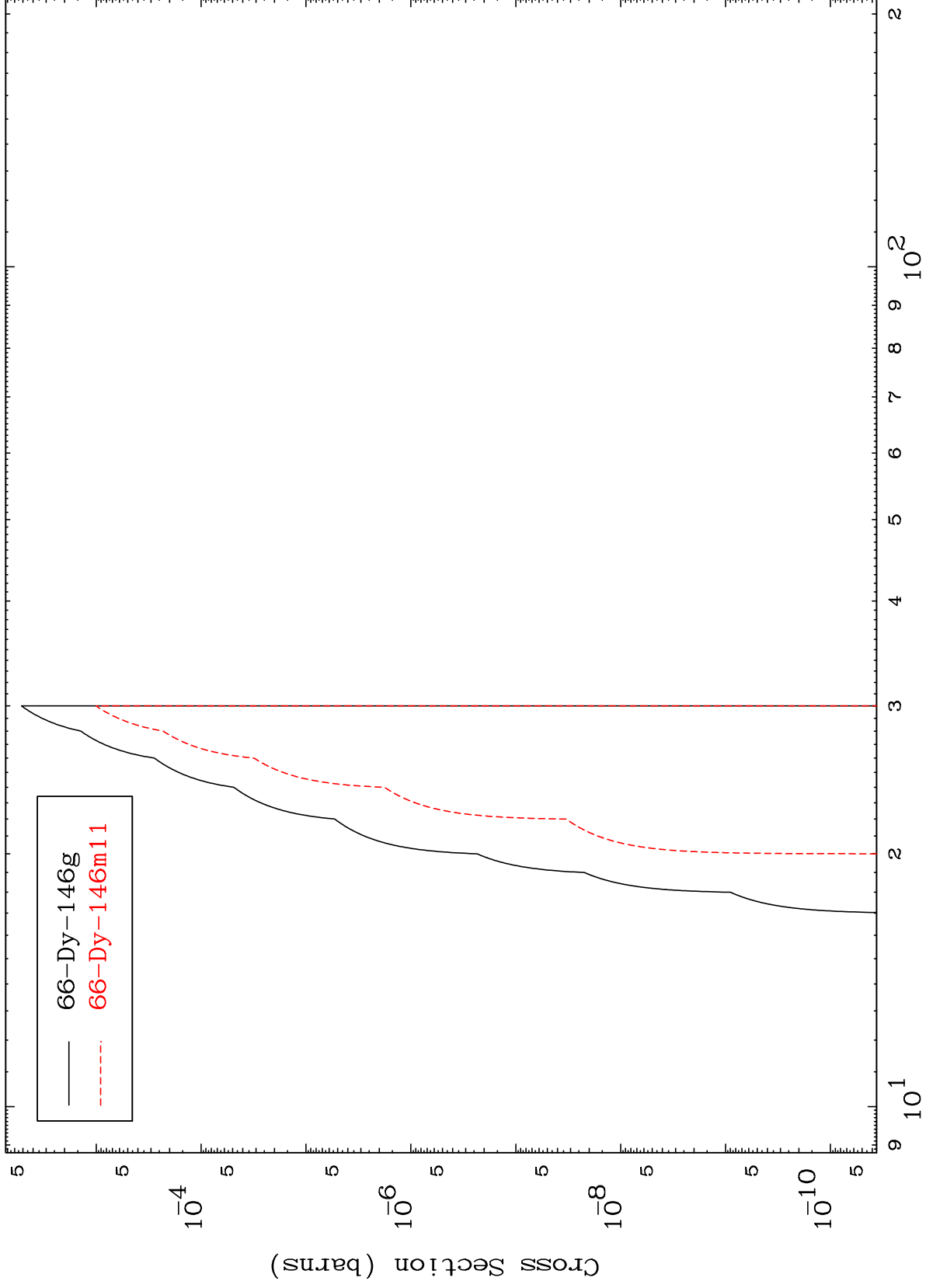


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(n,n')  $\alpha$

66-Dy-147m

Radionuclide Production Cross Section



Incident Energy (MeV)

66-Dy-147m

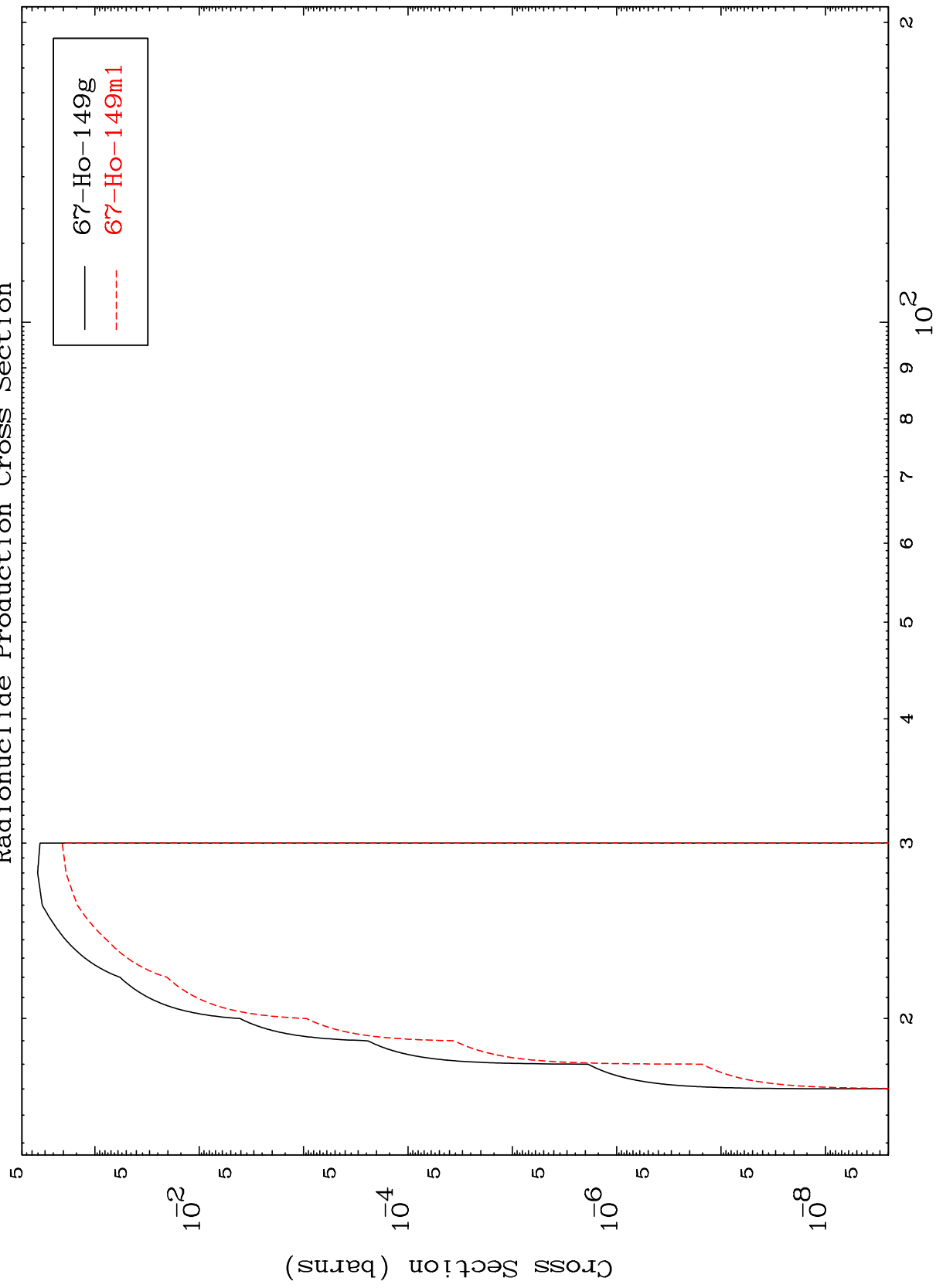
12

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(n,n') p

66-Dy-147m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

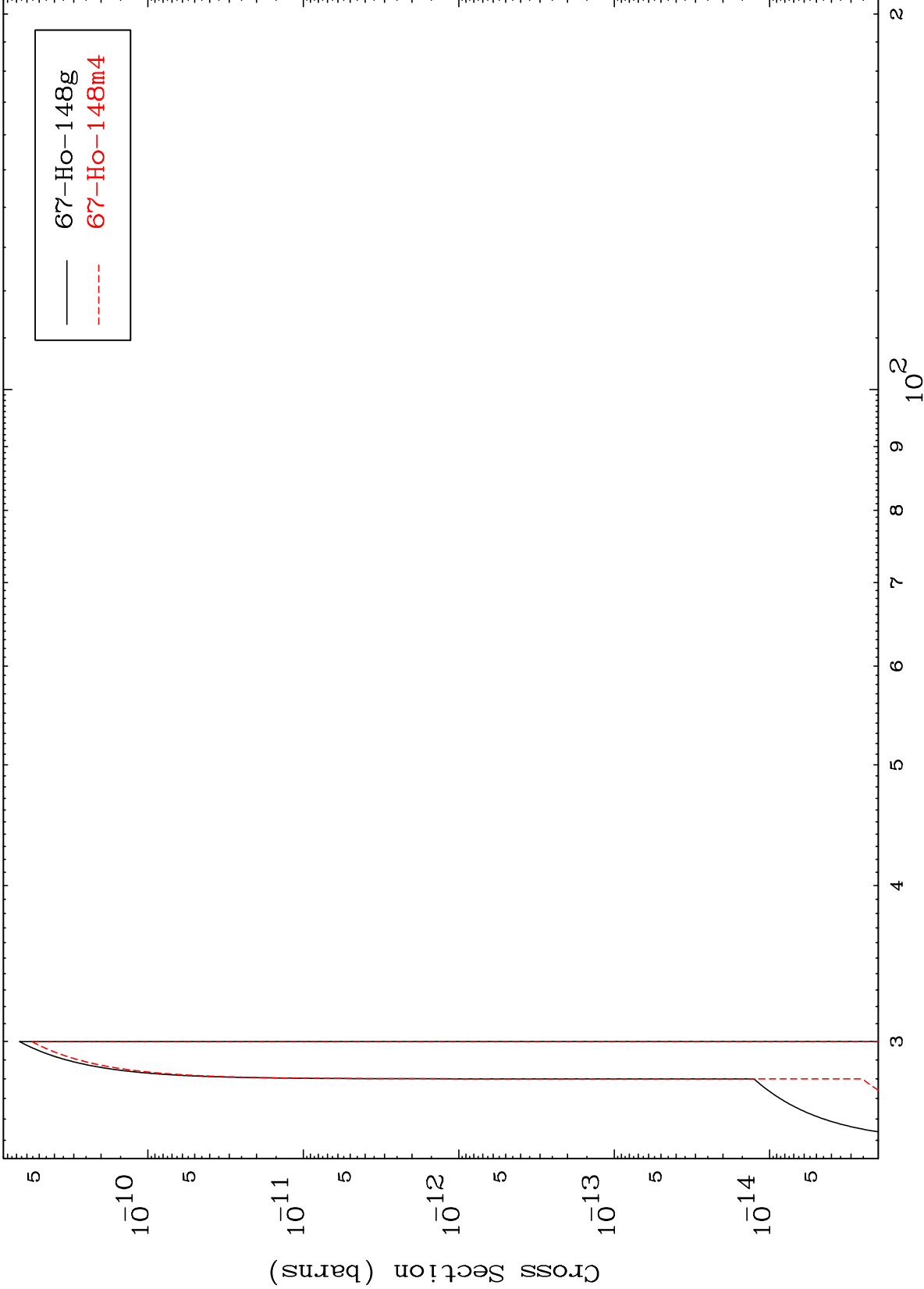
66-Dy-147m

MAT 6599

(n,n') d

66-Dy-147m

Radionuclide Production Cross Section



14

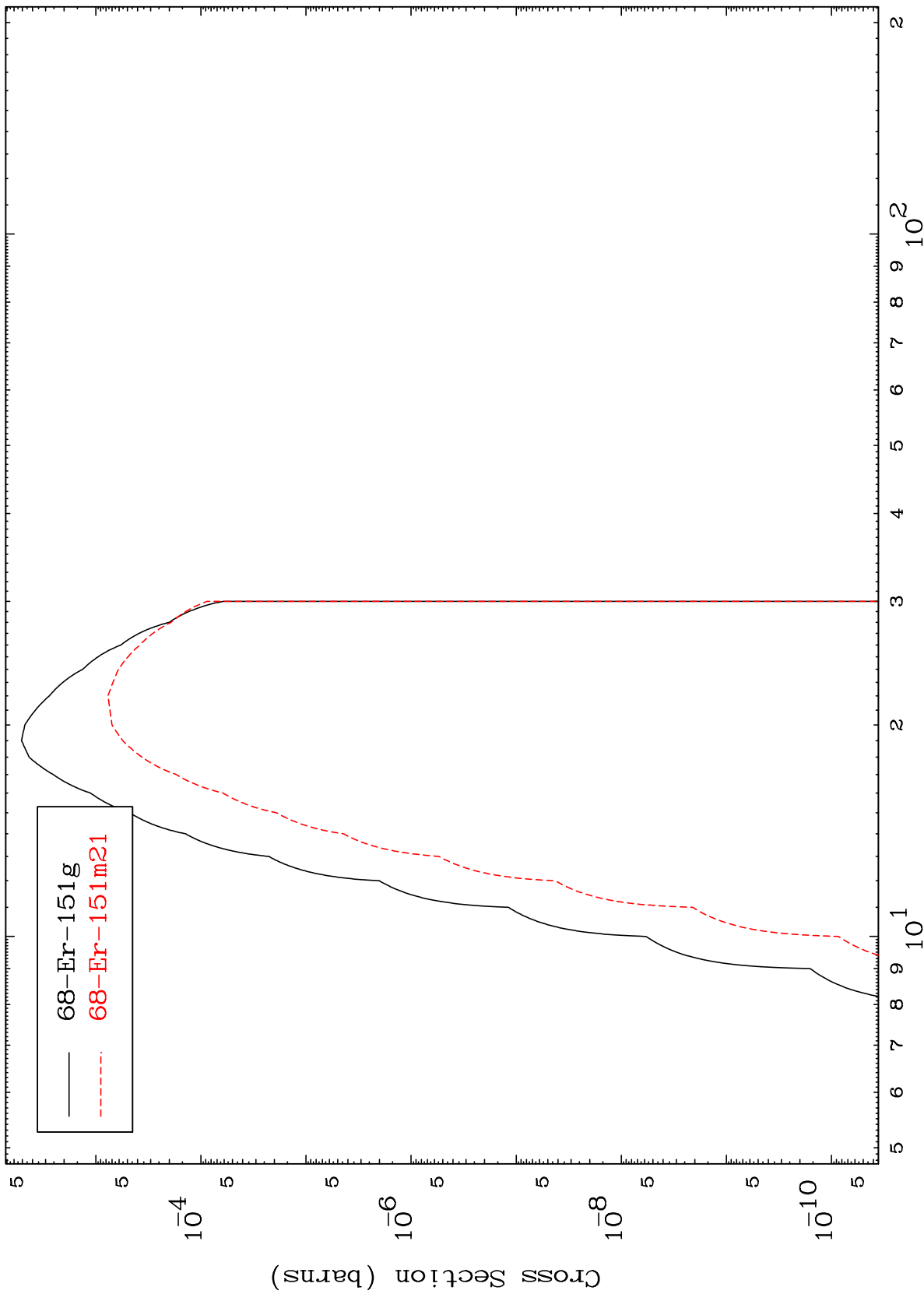
Incident Energy (MeV)

66-Dy-147m

MAT 6599

66-Dy-147m

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



66-Dy-147m

Incident Energy (MeV)

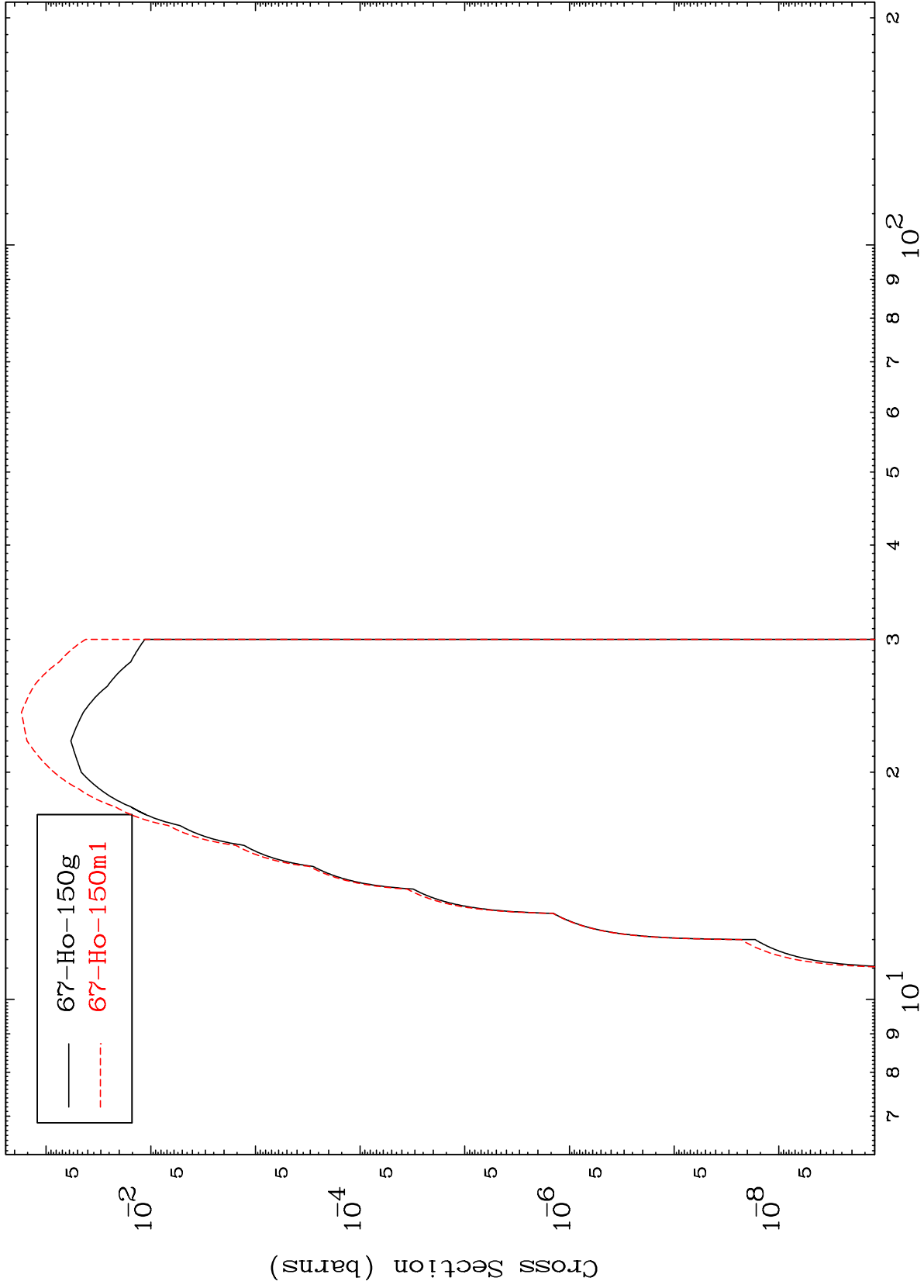
15



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66-Dy-147m

(n,p)  
Radionuclide Production Cross Section



16

Incident Energy (MeV)

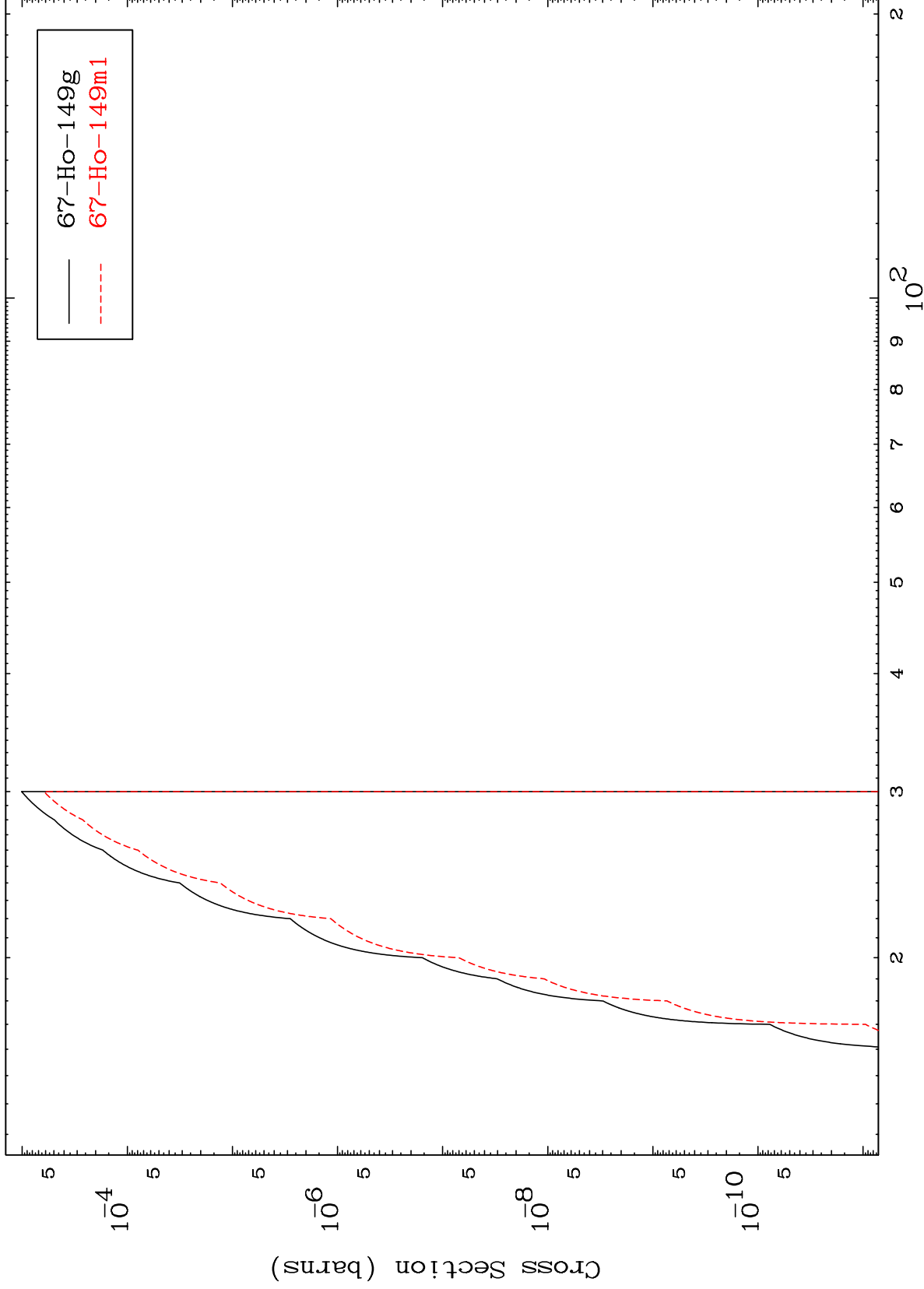
66-Dy-147m

MAT 6599

(n,d)

66-Dy-147m

Radionuclide Production Cross Section



17

Incident Energy (MeV)

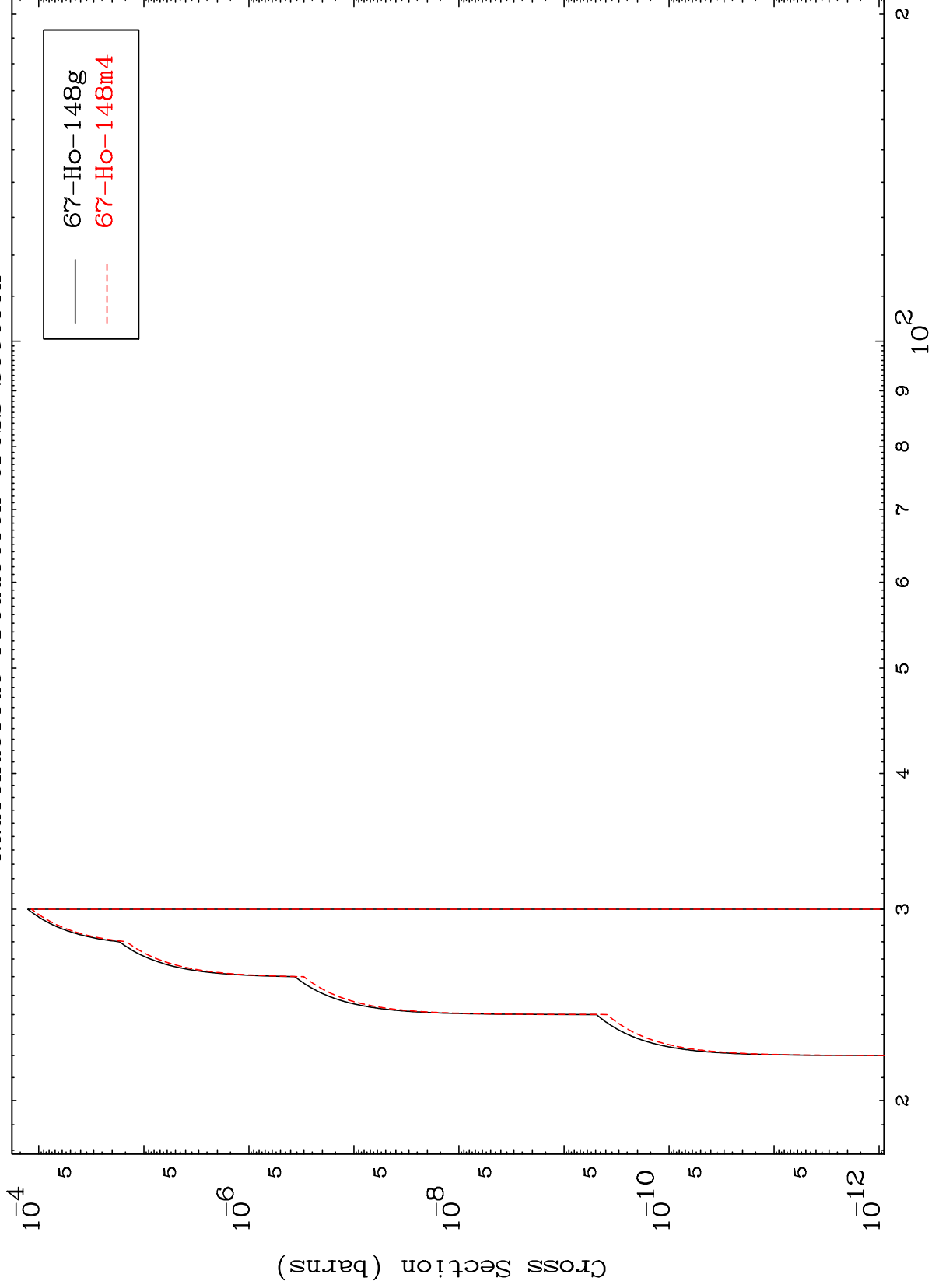
66-Dy-147m

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(n, t)

66-Dy-147m

Radionuclide Production Cross Section



18

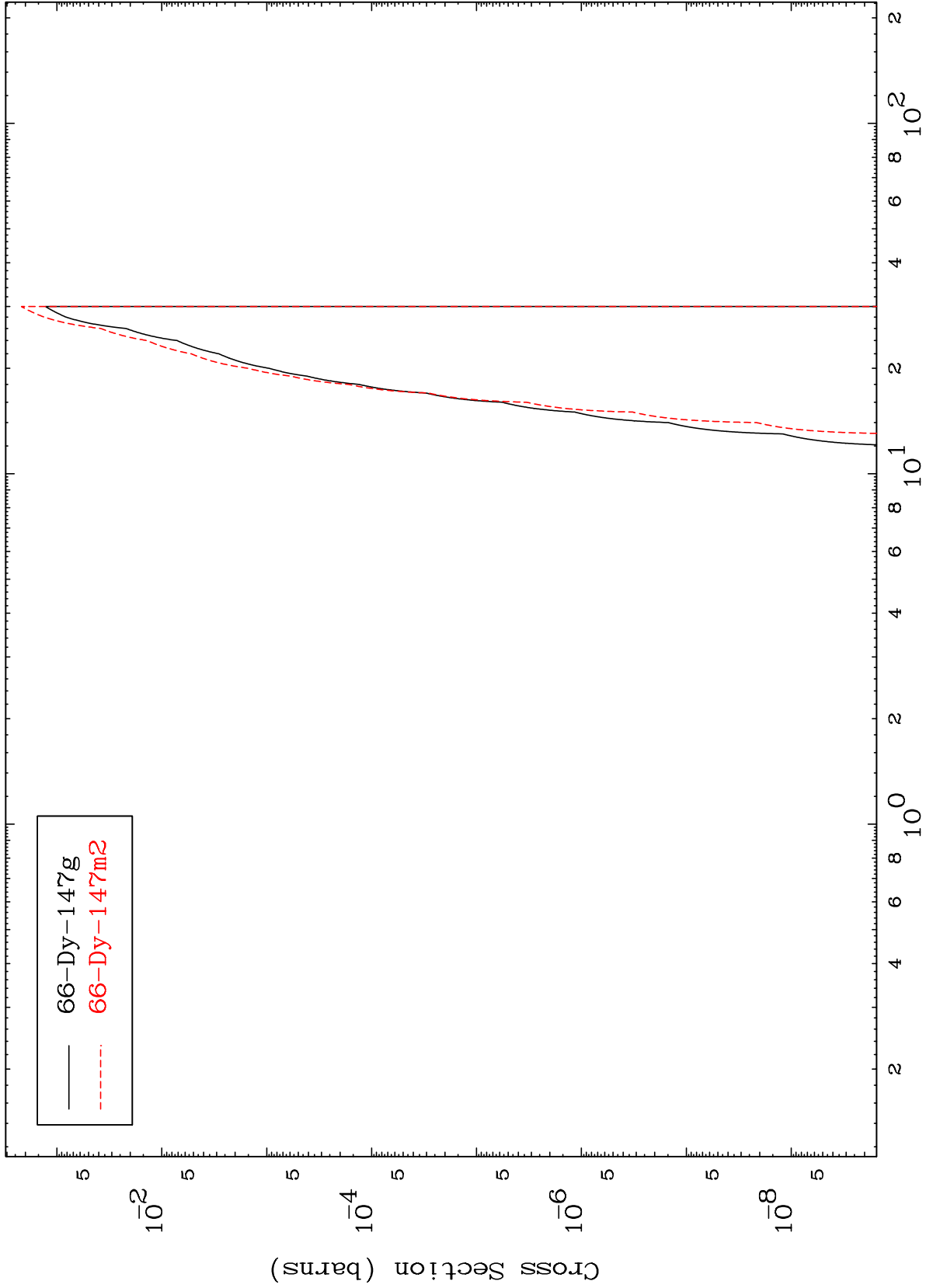
Incident Energy (MeV)

66-Dy-147m

MAT 6599

66-Dy-147m

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

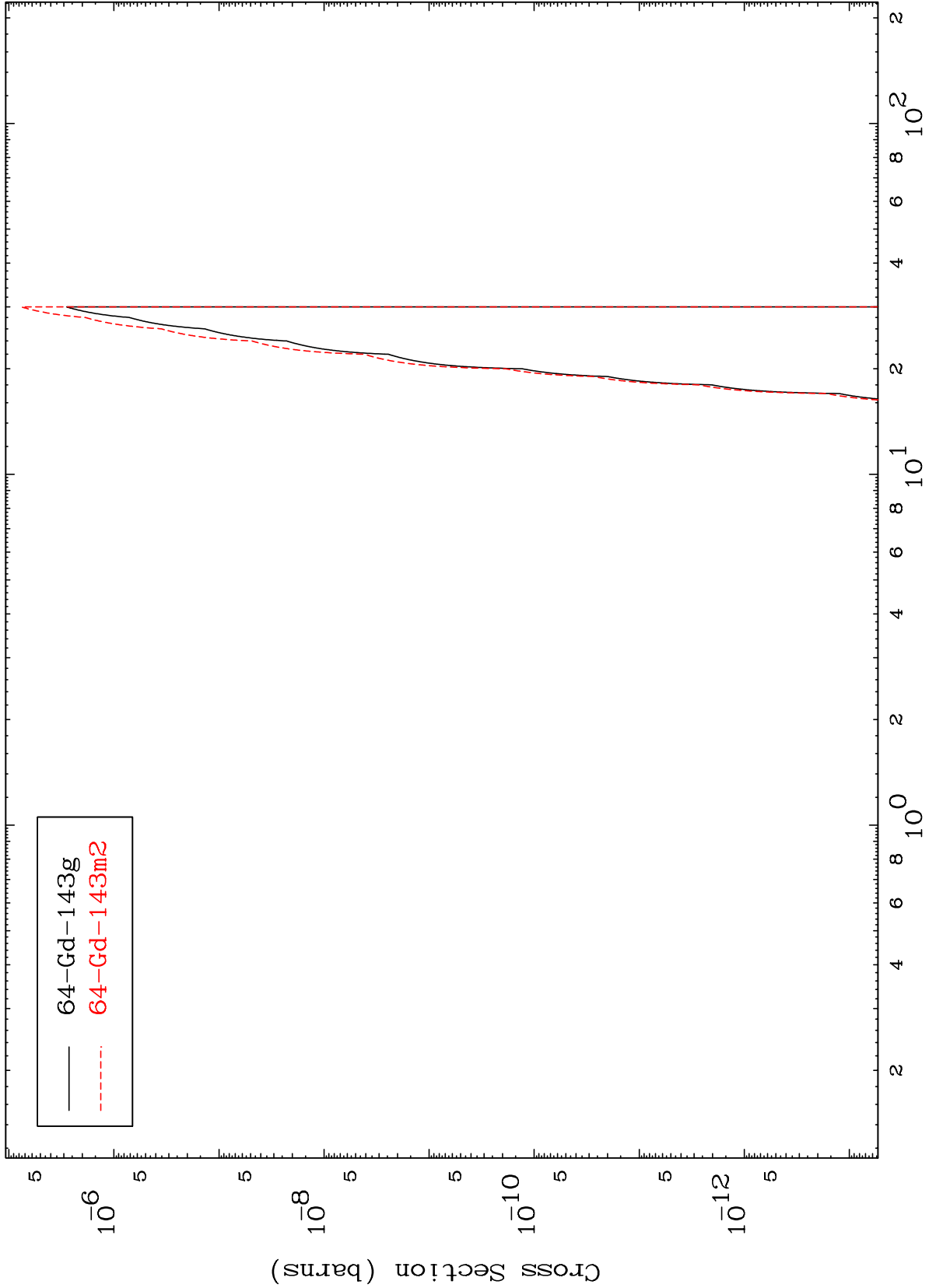


MAT 6599

(n,2α)

66-Dy-147m

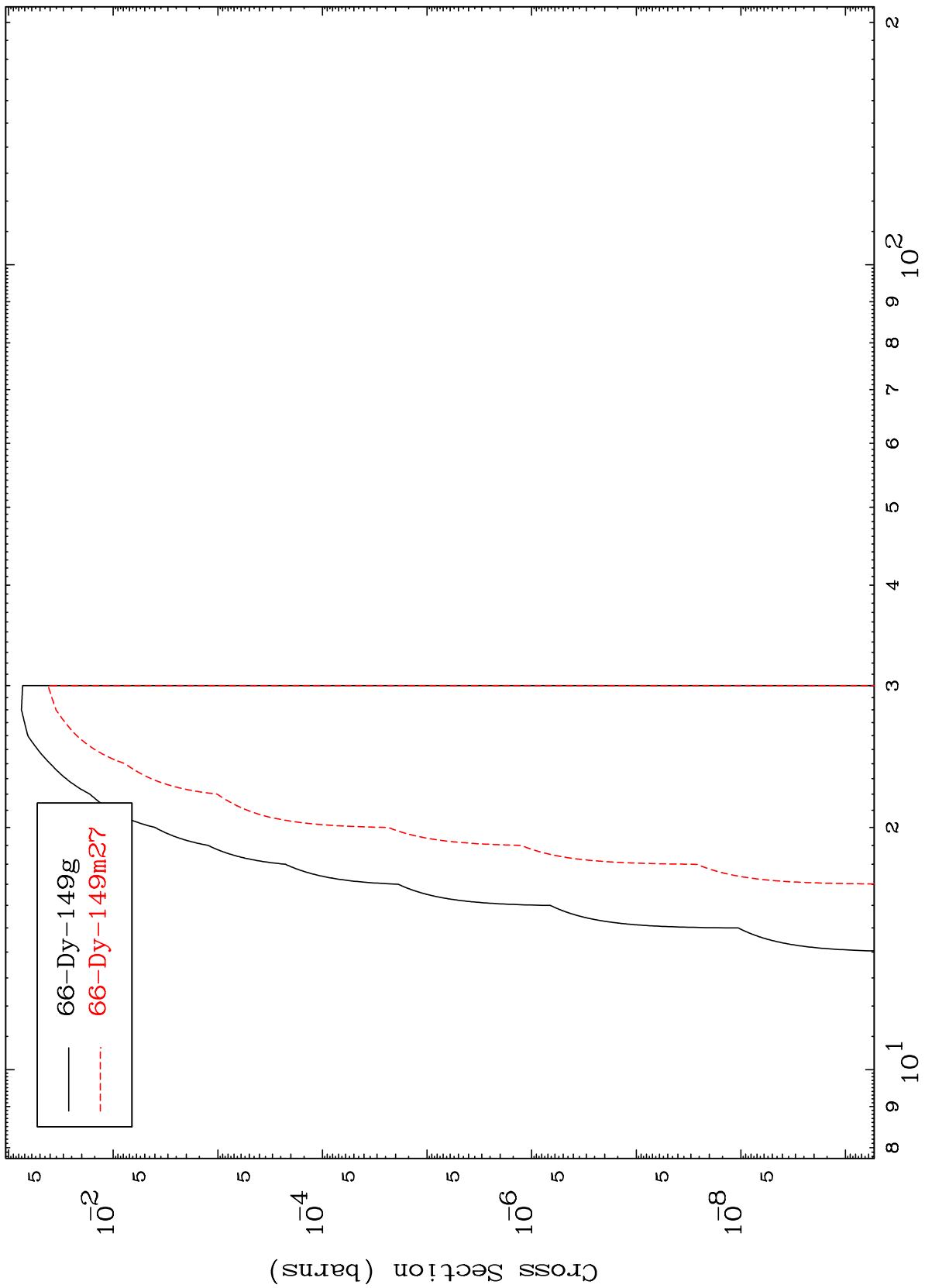
Radionuclide Production Cross Section



MAT 6599

66-Dy-147m

Radionuclide Production Cross Section  
(n,2p)



21

Incident Energy (MeV)

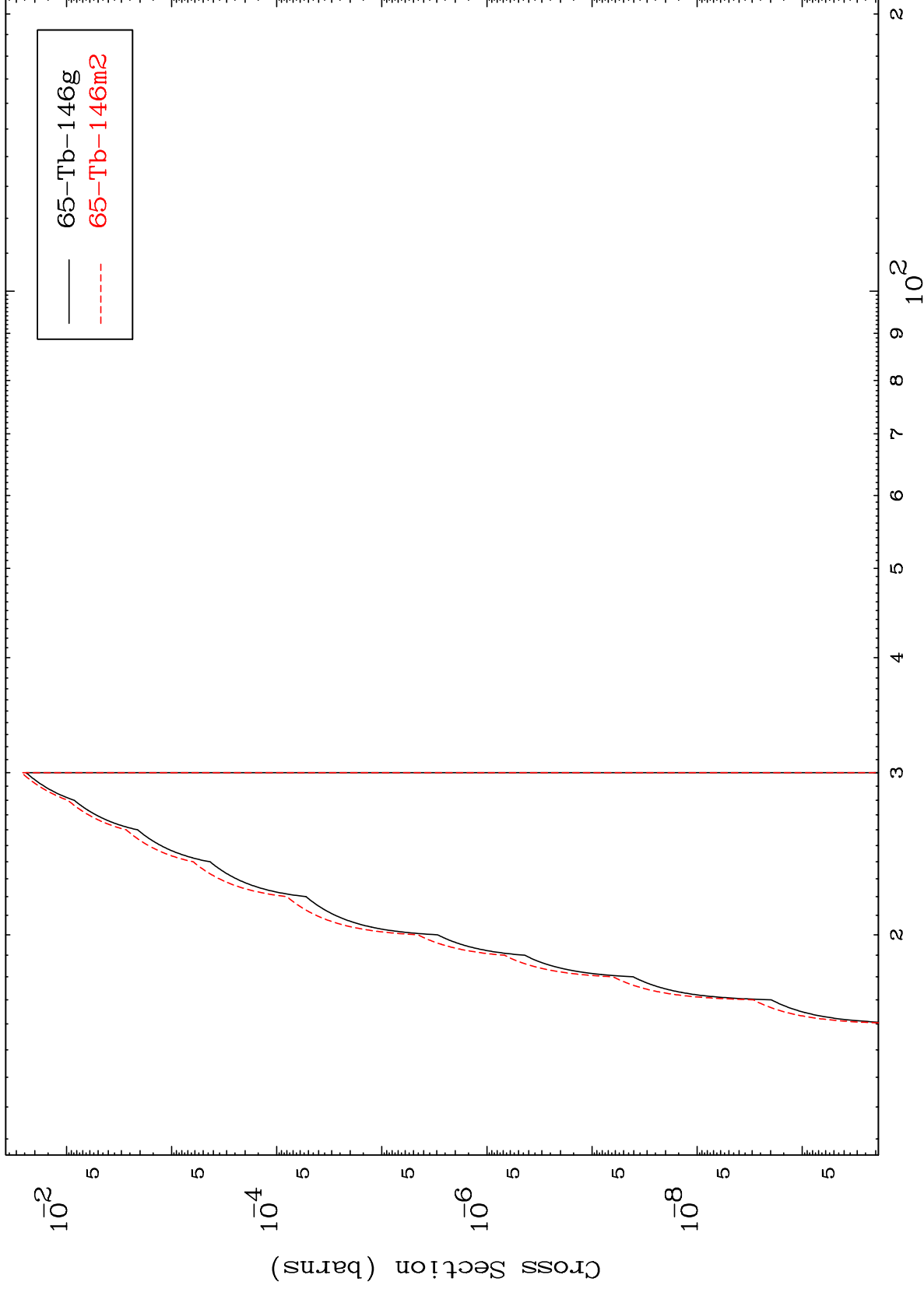
66-Dy-147m

MAT 6599

(n,p)  $\alpha$

66-Dy-147m

Radionuclide Production Cross Section



22

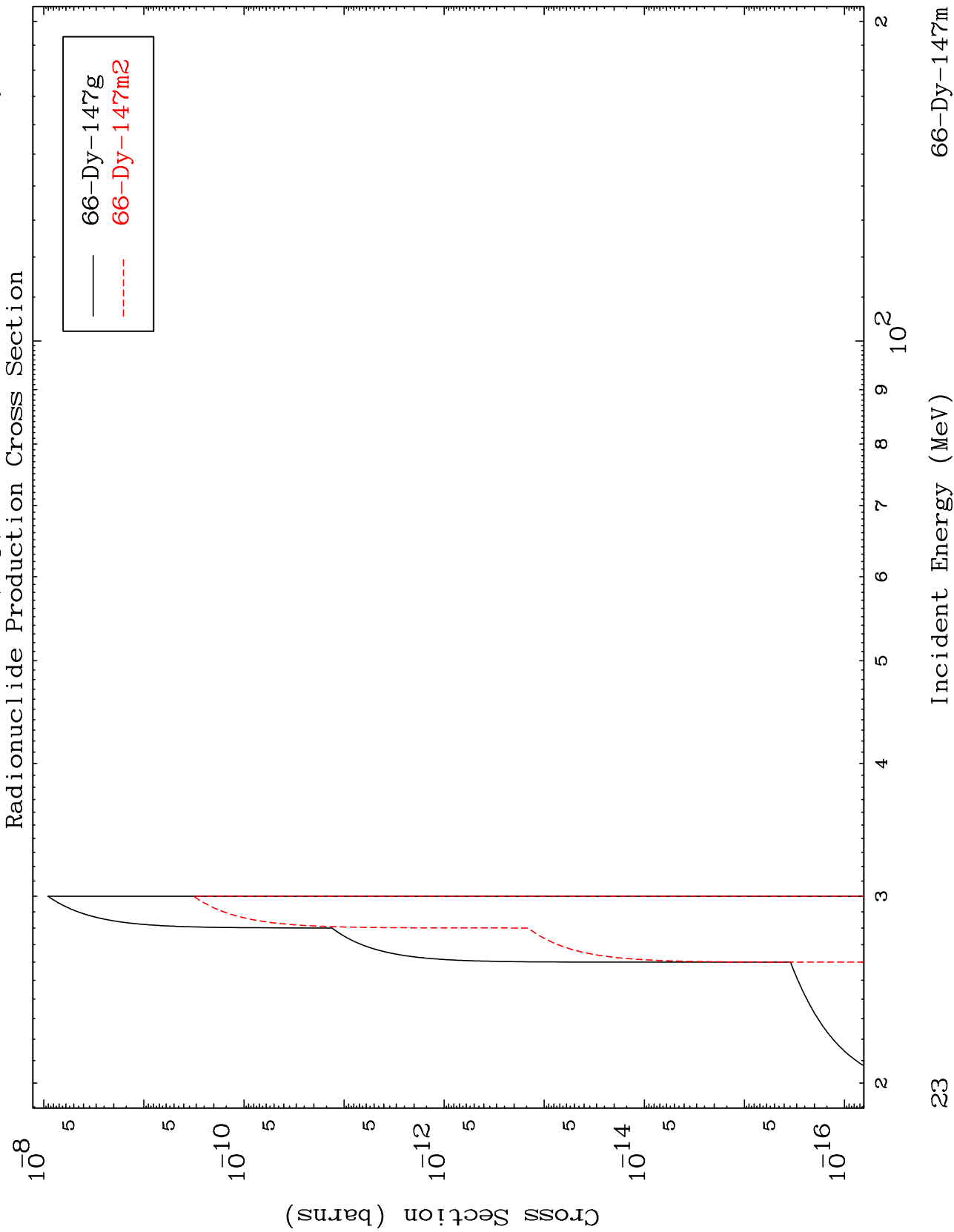
Incident Energy (MeV)

66-Dy-147m

MAT 6599

(n,p) t

66-Dy-147m



23

Incident Energy (MeV)

66-Dy-147m