

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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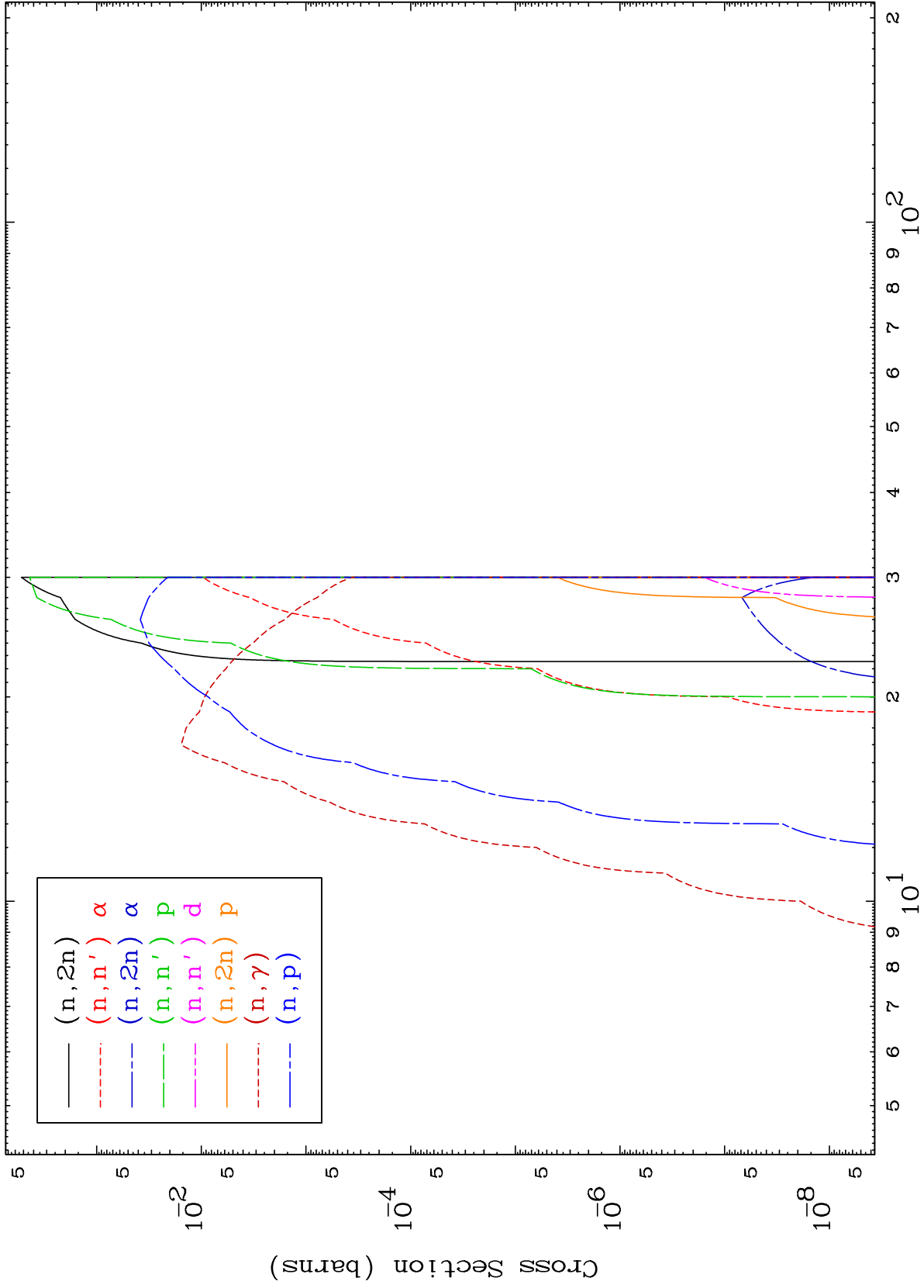
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Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

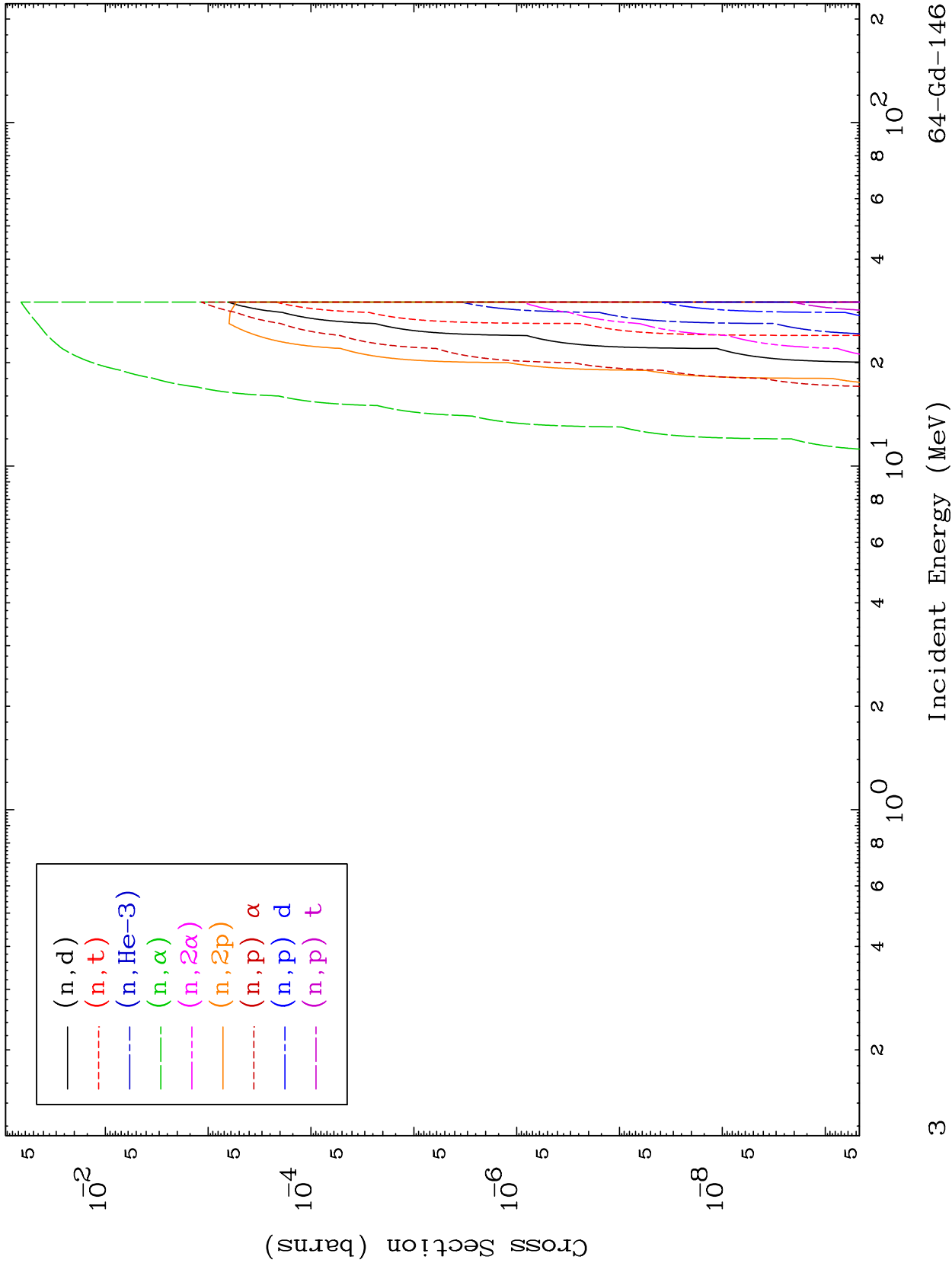




MAT 6407

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

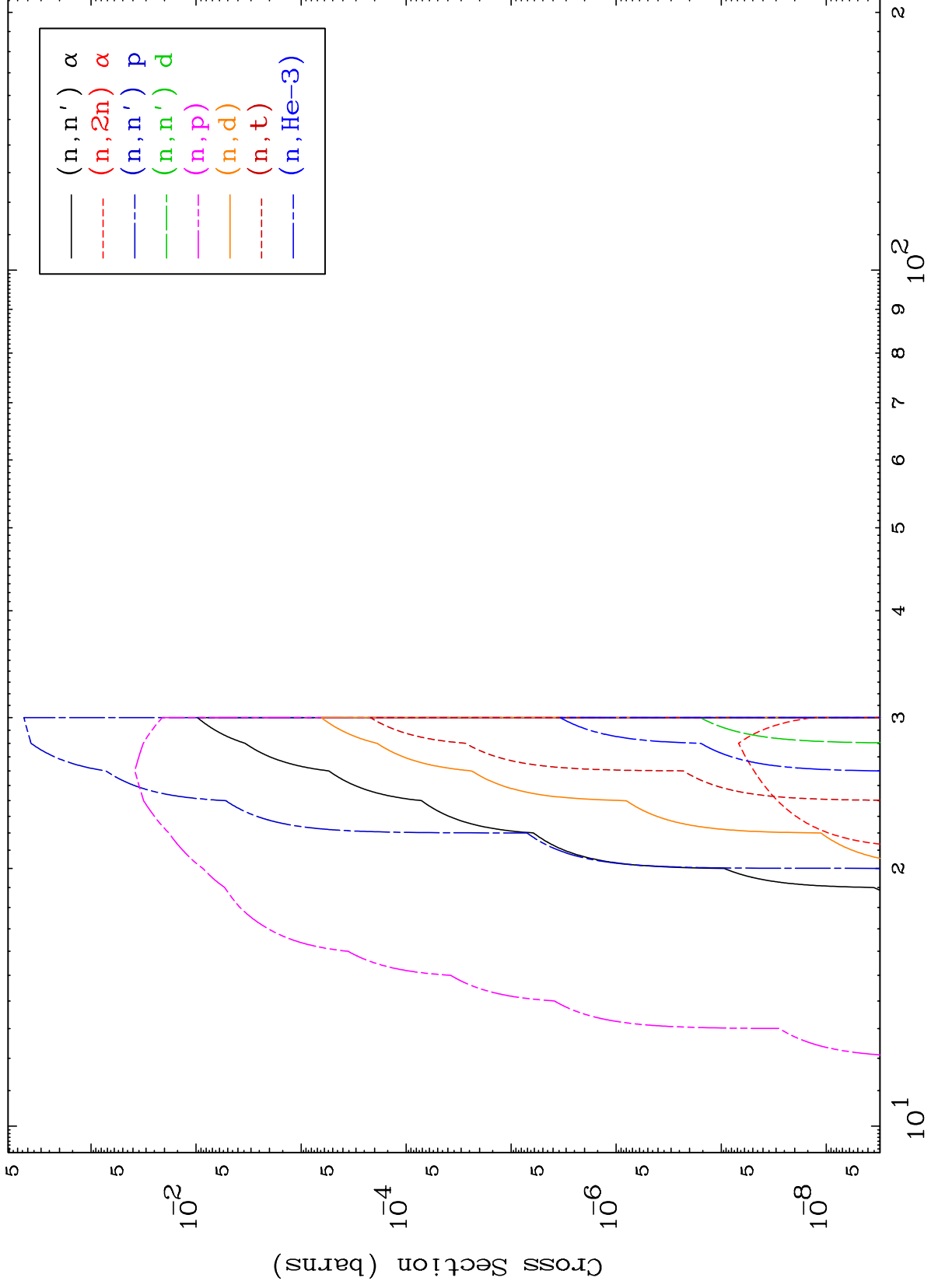
64-Gd-146



MAT 6407

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

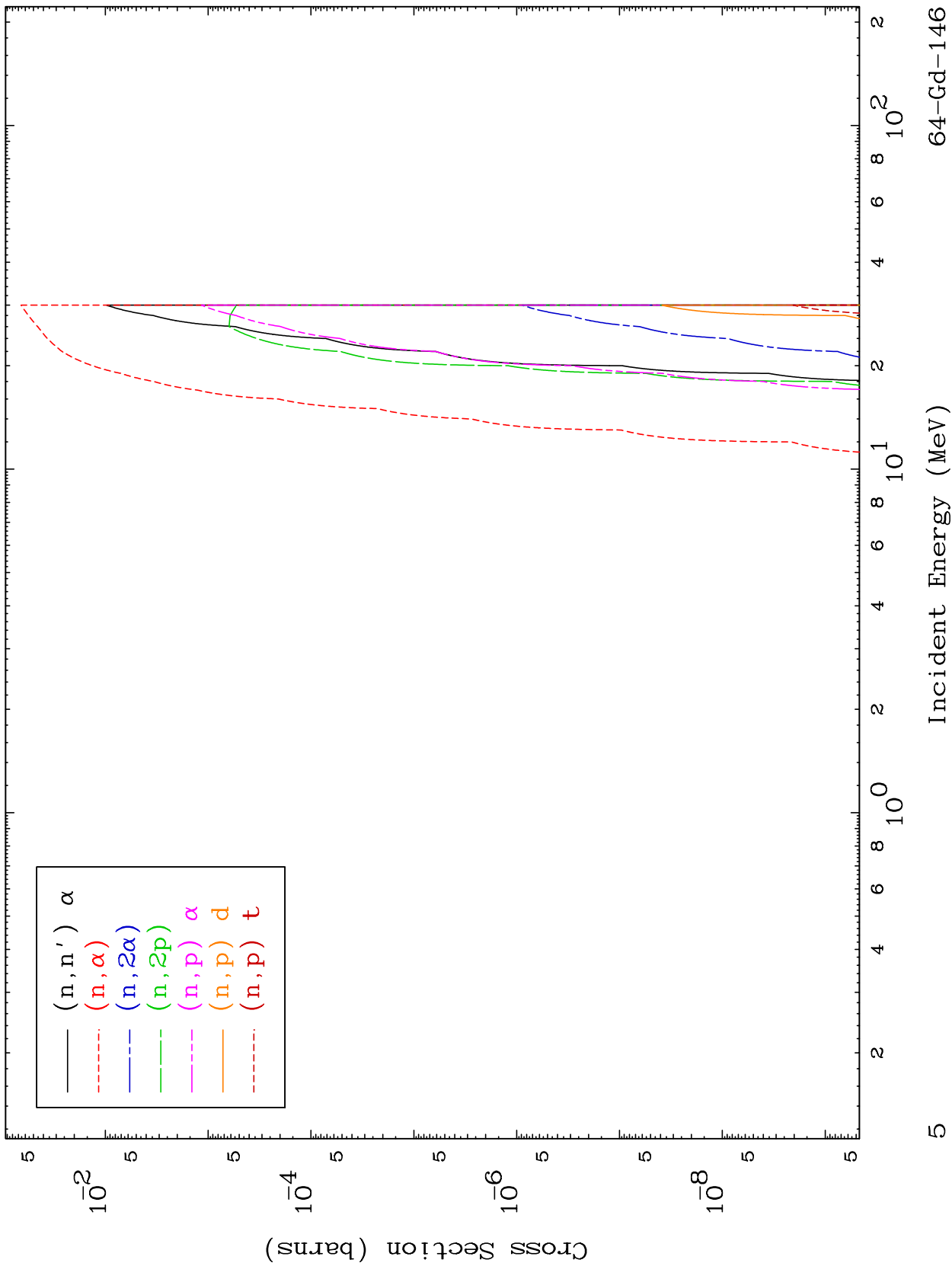
64-Gd-146



64-Gd-146

Incident Energy (MeV)

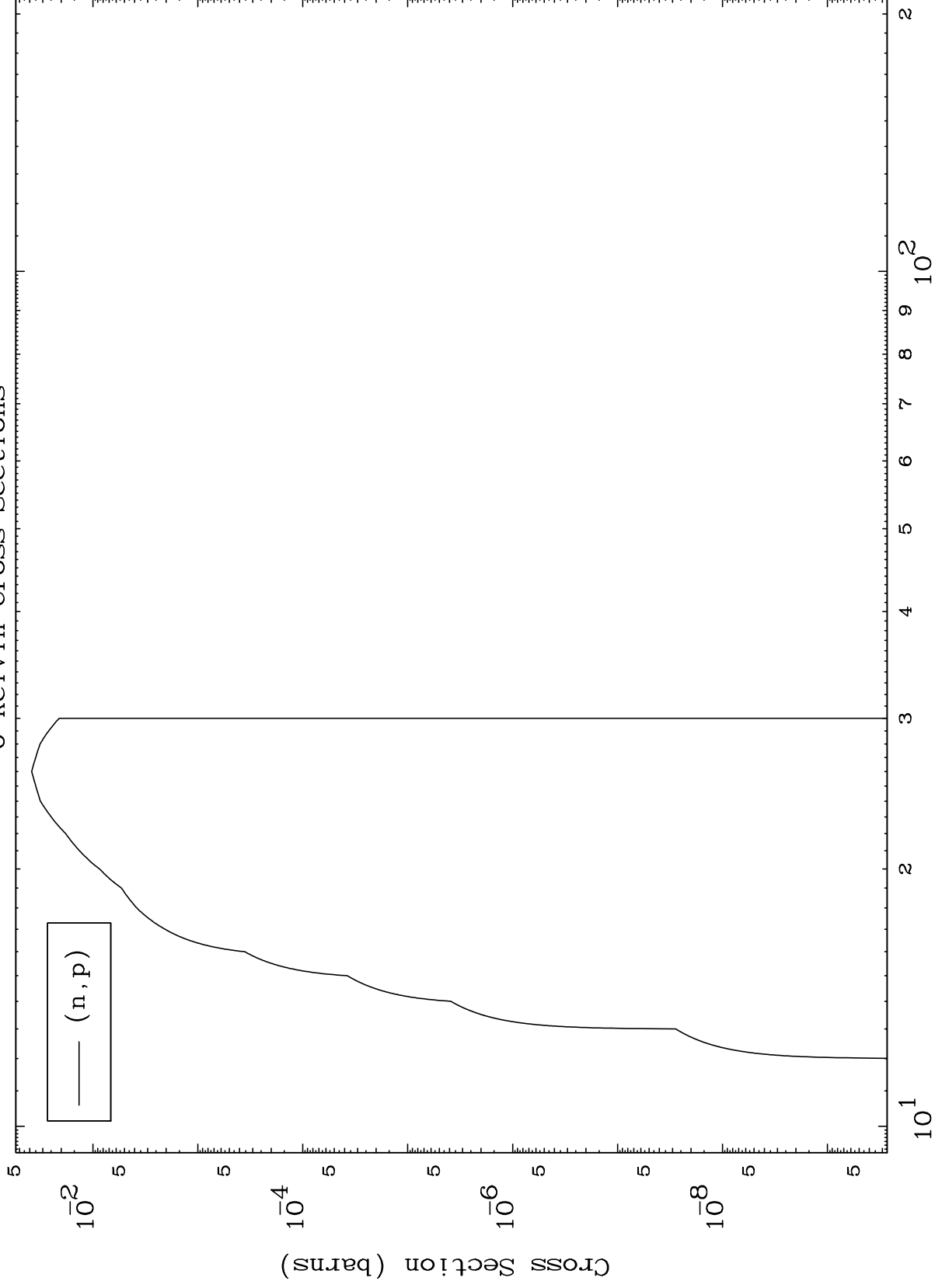
4



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

64-Gd-146



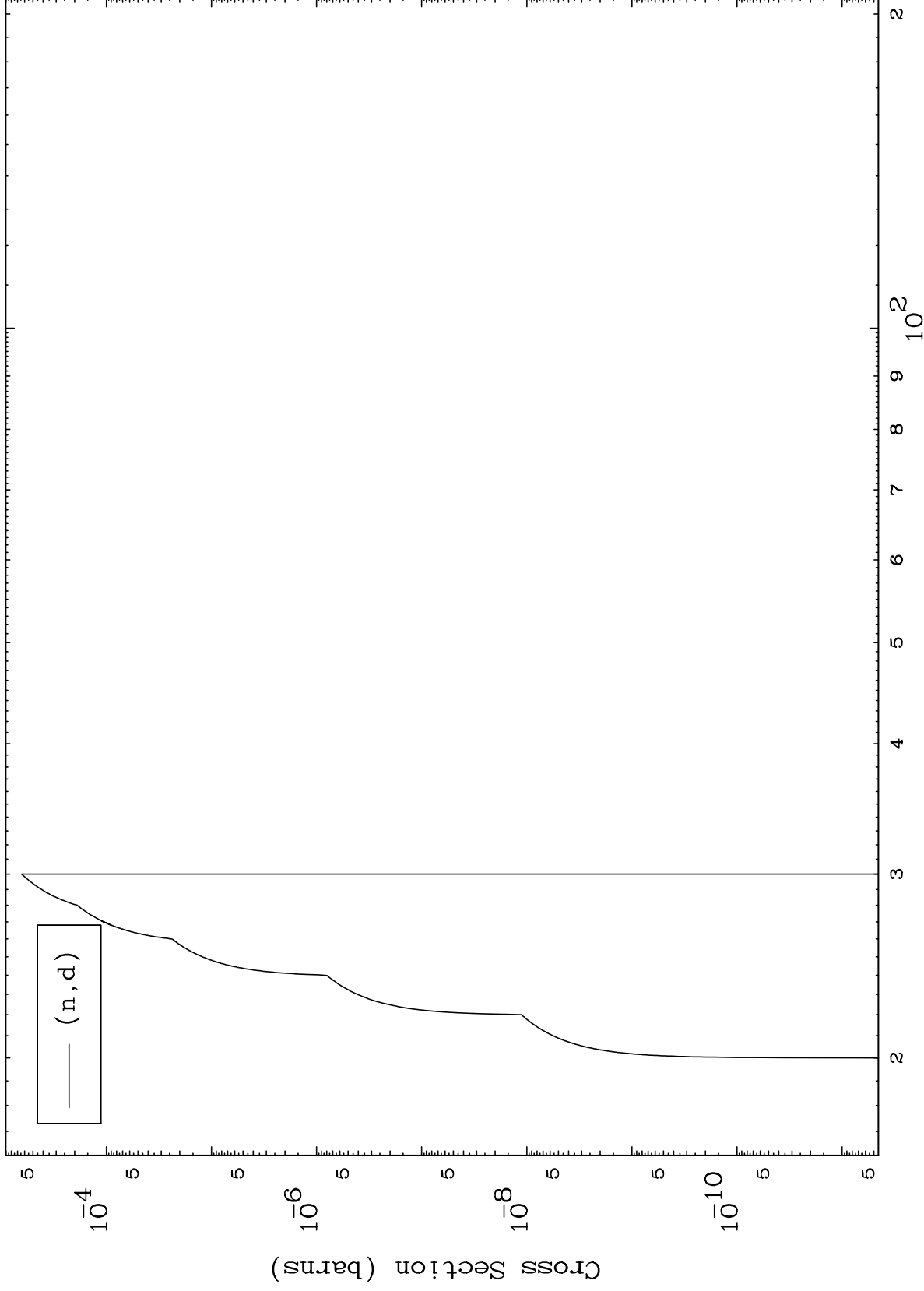
Incident Energy (MeV)

64-Gd-146

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

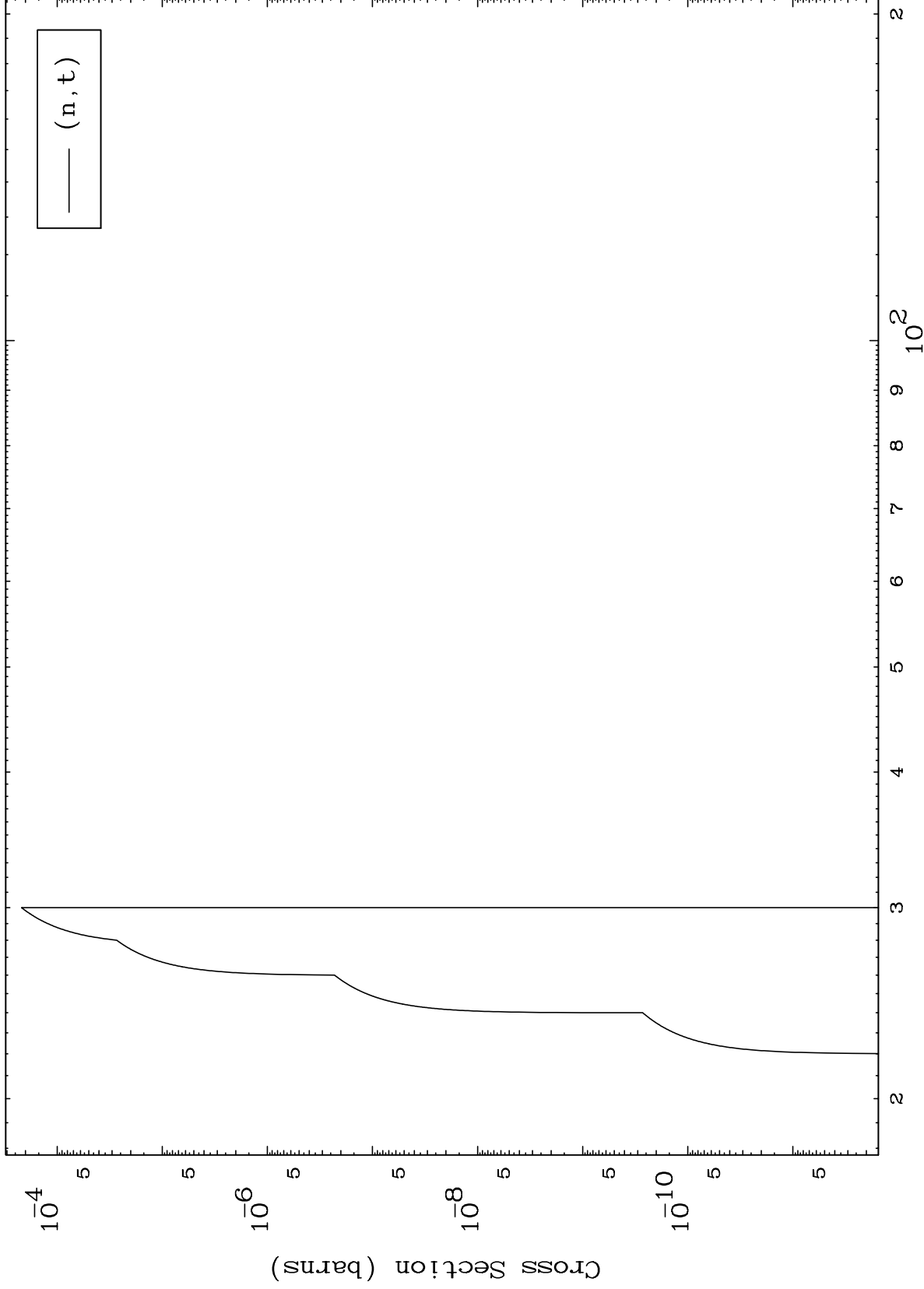
64-Gd-146



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

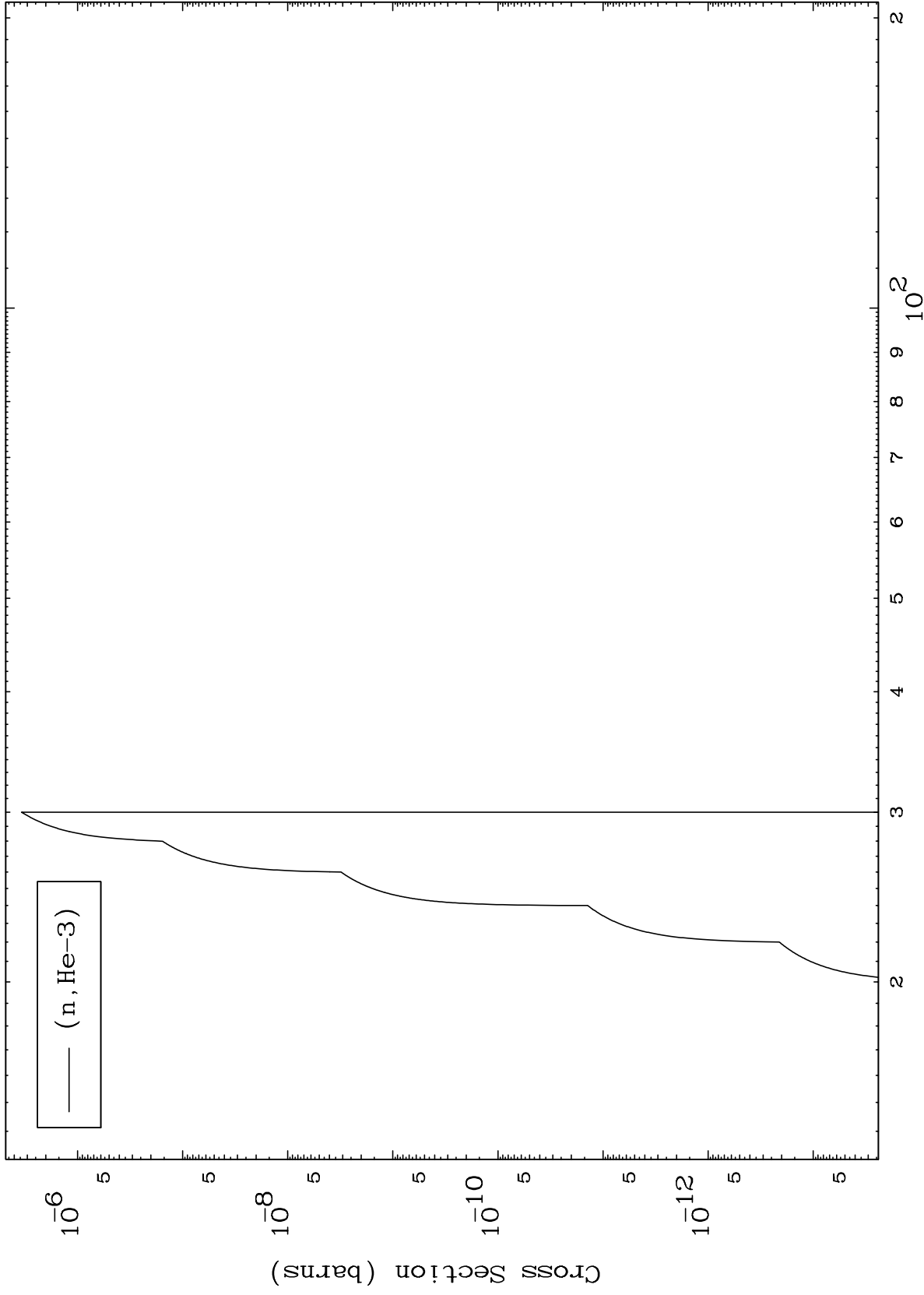
64-Gd-146



8

Incident Energy (MeV)

64-Gd-146

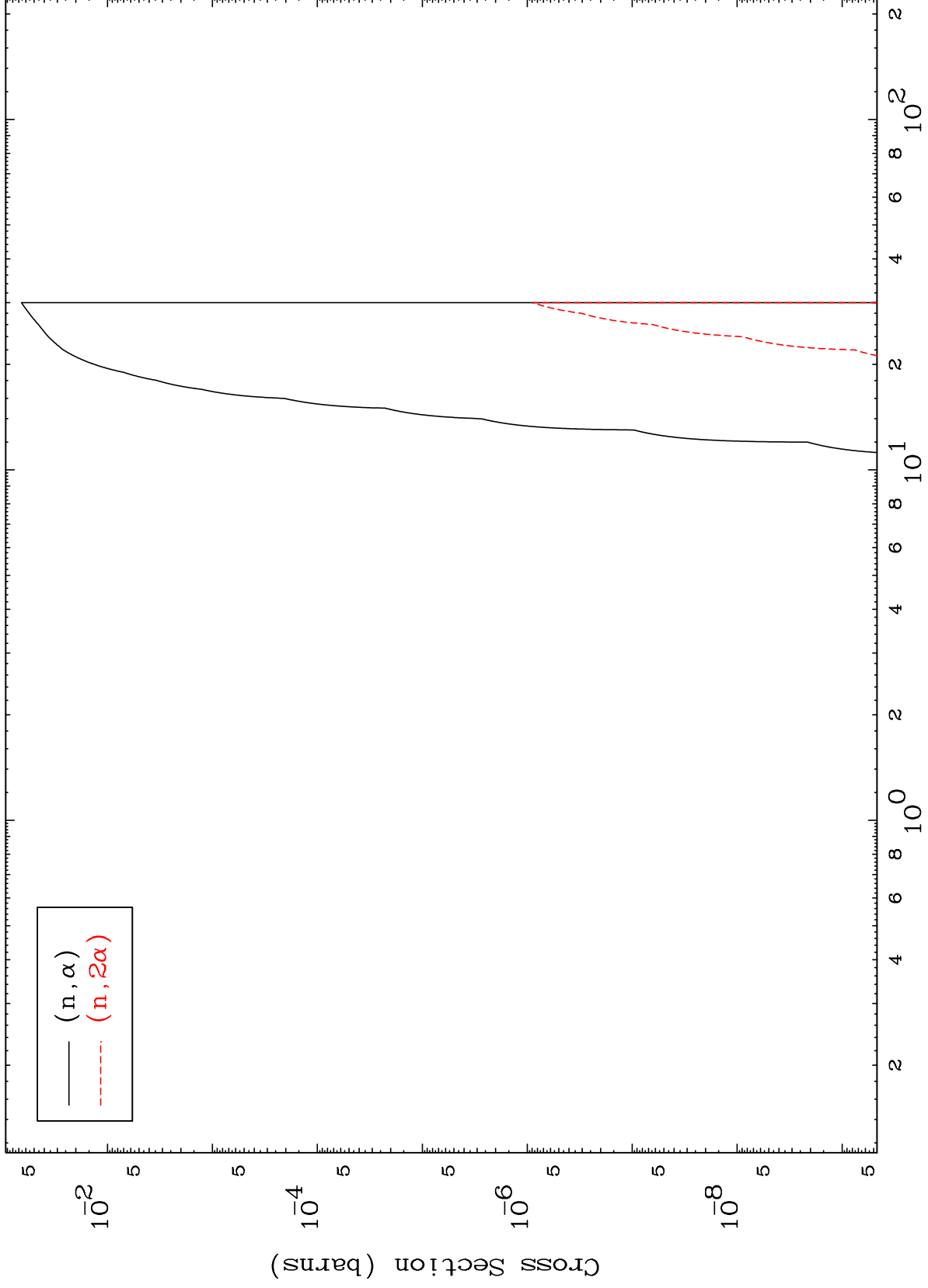


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( $\alpha, \alpha$ ) Levels

64-Gd-146

0 Kelvin Cross Sections



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

10

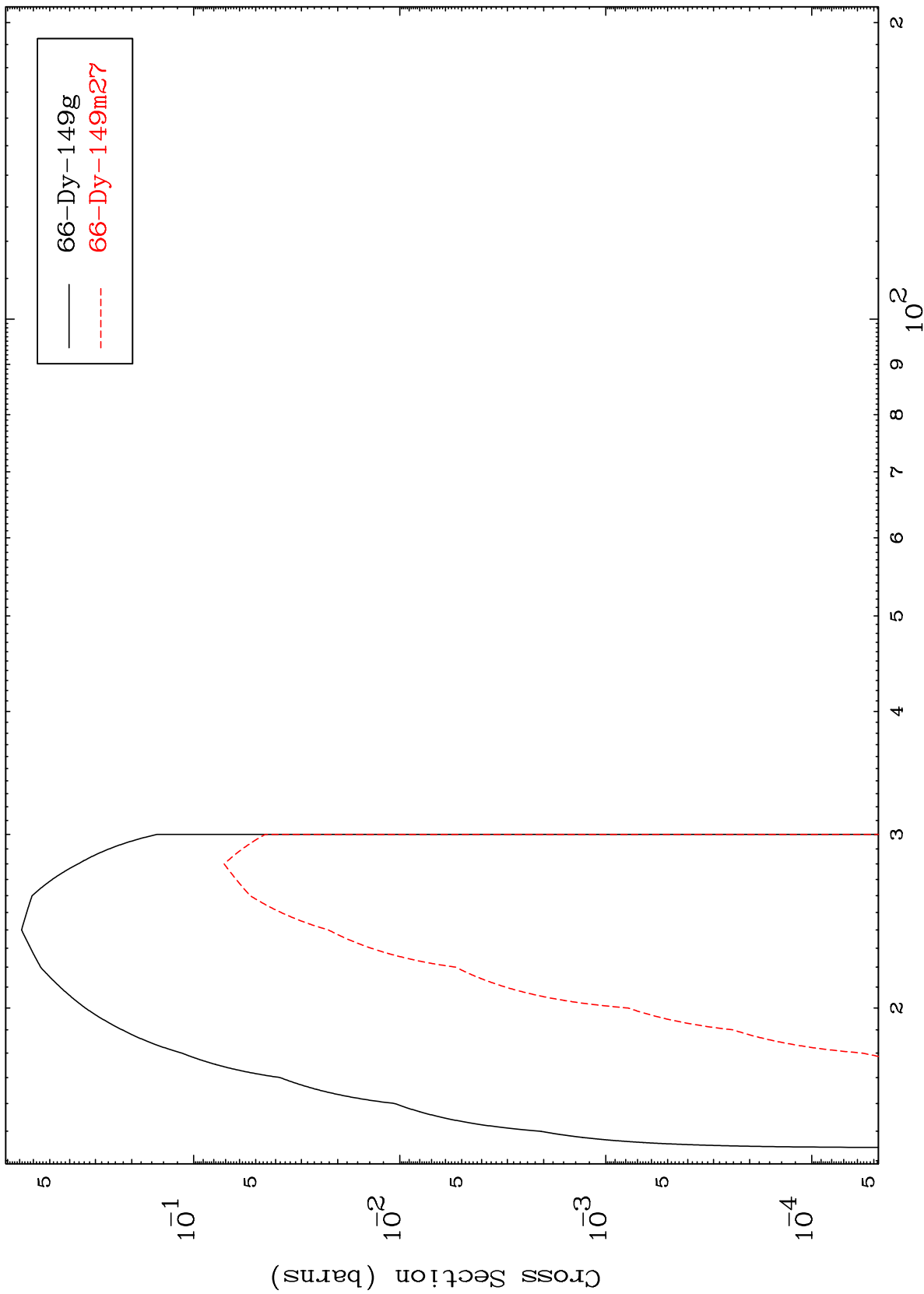
Incident Energy (MeV)

64-Gd-146

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64-Gd-146

Inelastic  
Radionuclide Production Cross Section

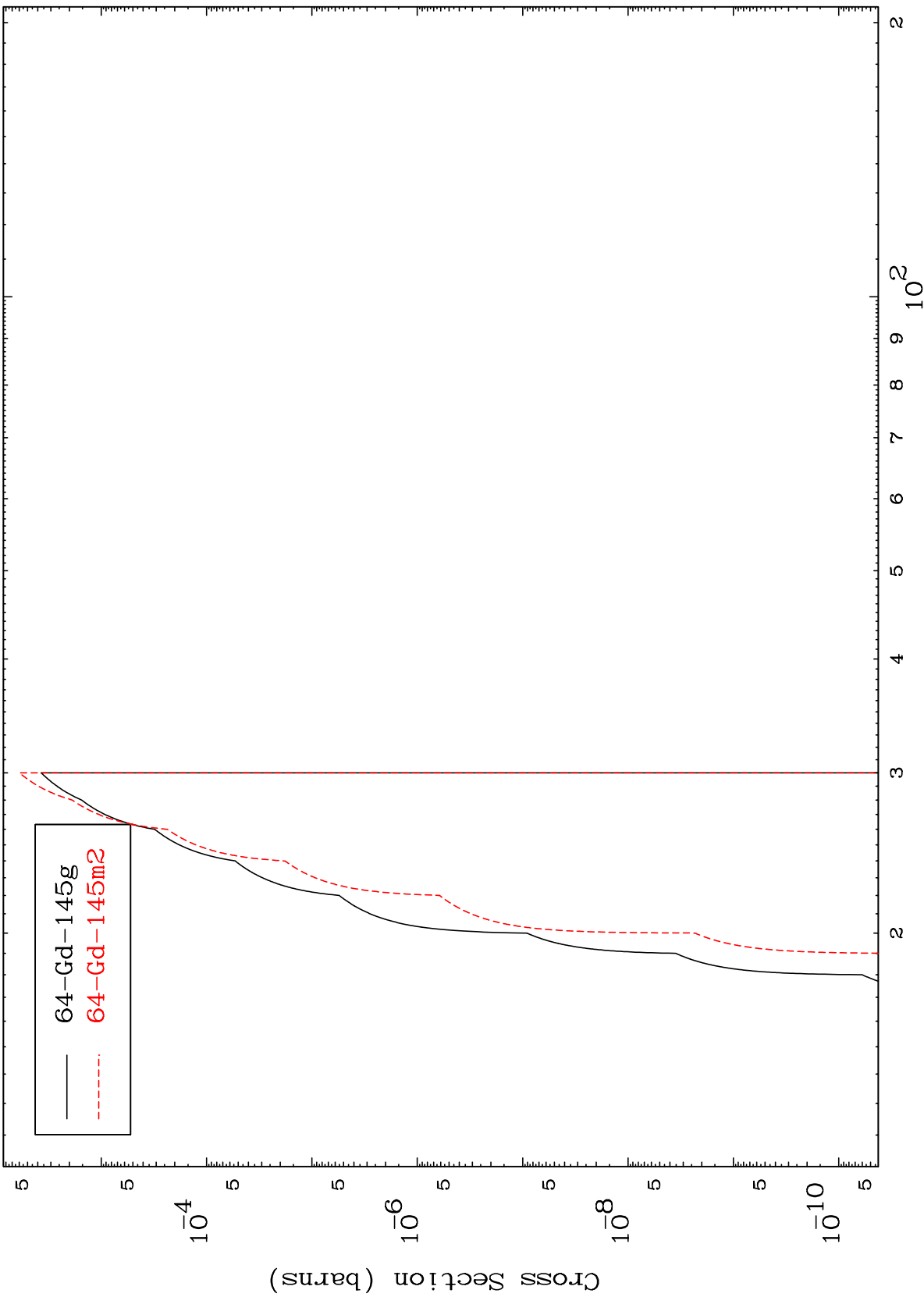


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(n,n')  $\alpha$

64-Gd-146

Radionuclide Production Cross Section



12

Incident Energy (MeV)

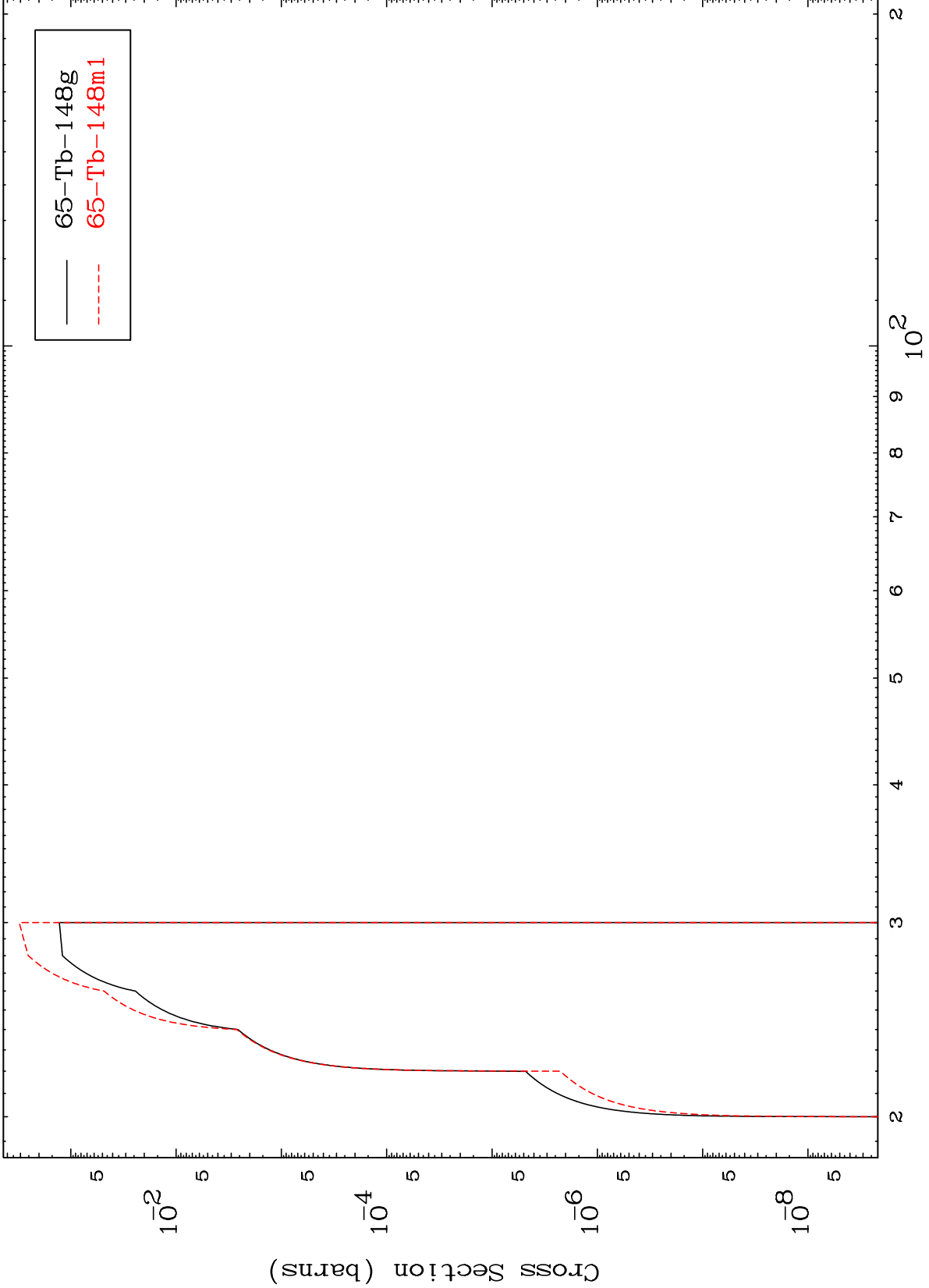
64-Gd-146

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(n,n') p

64-Gd-146

Radionuclide Production Cross Section



13

Incident Energy (MeV)

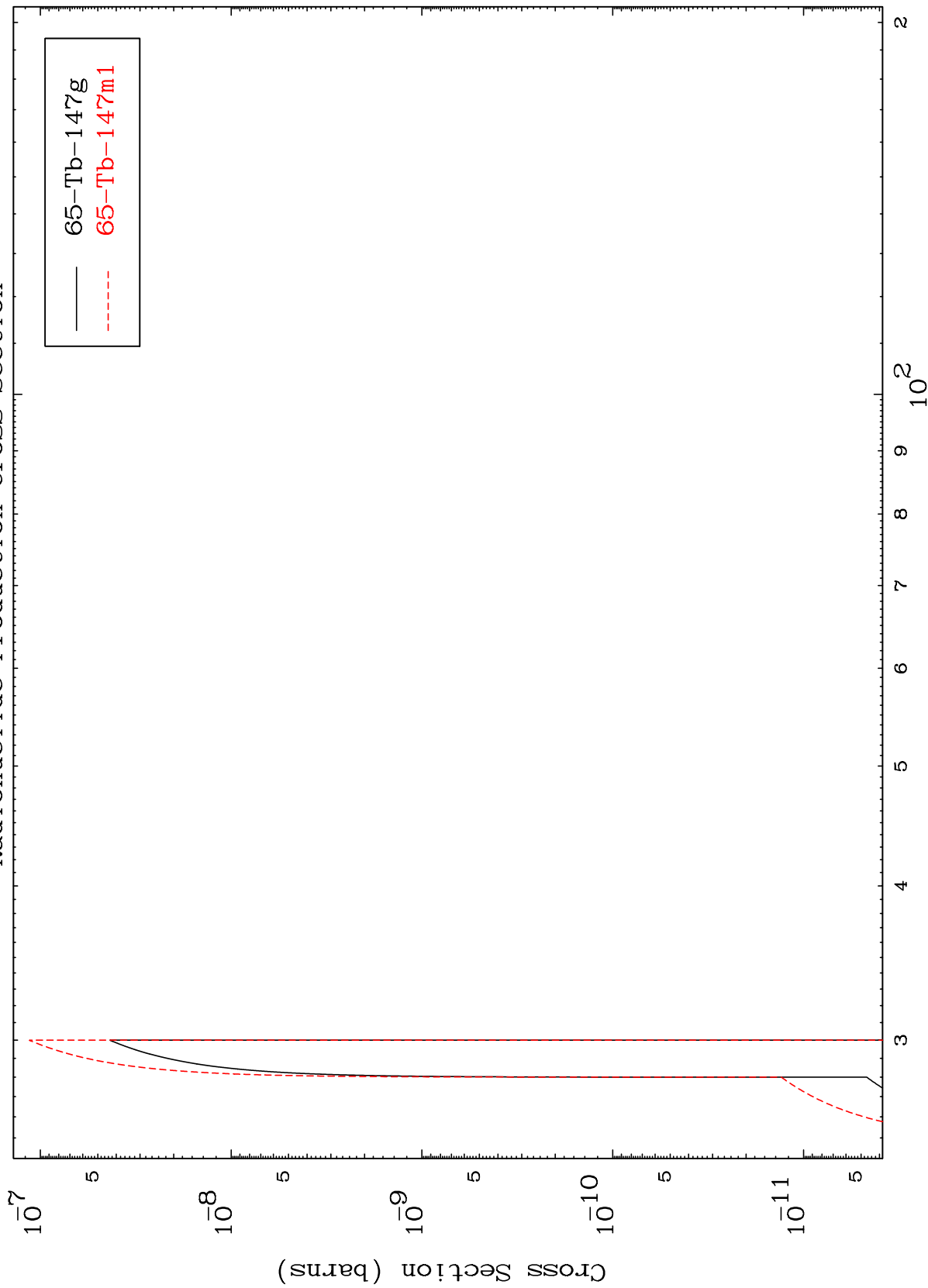
64-Gd-146

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(n,n') d

64-Gd-146

Radionuclide Production Cross Section



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

14

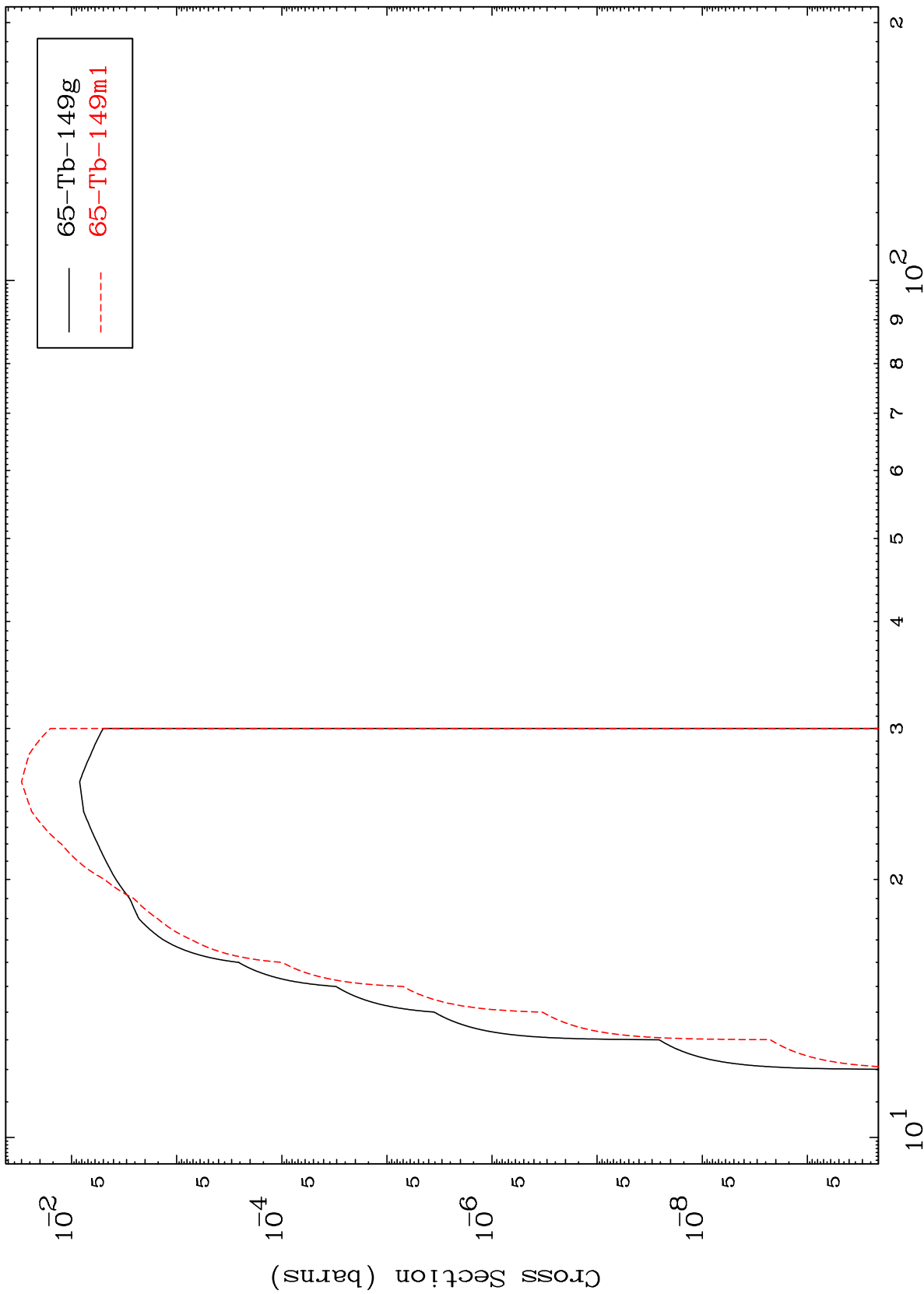
Incident Energy (MeV)

64-Gd-146

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64-Gd-146

(n,p)  
Radionuclide Production Cross Section



65-Tb-149g  
65-Tb-149m1

64-Gd-146

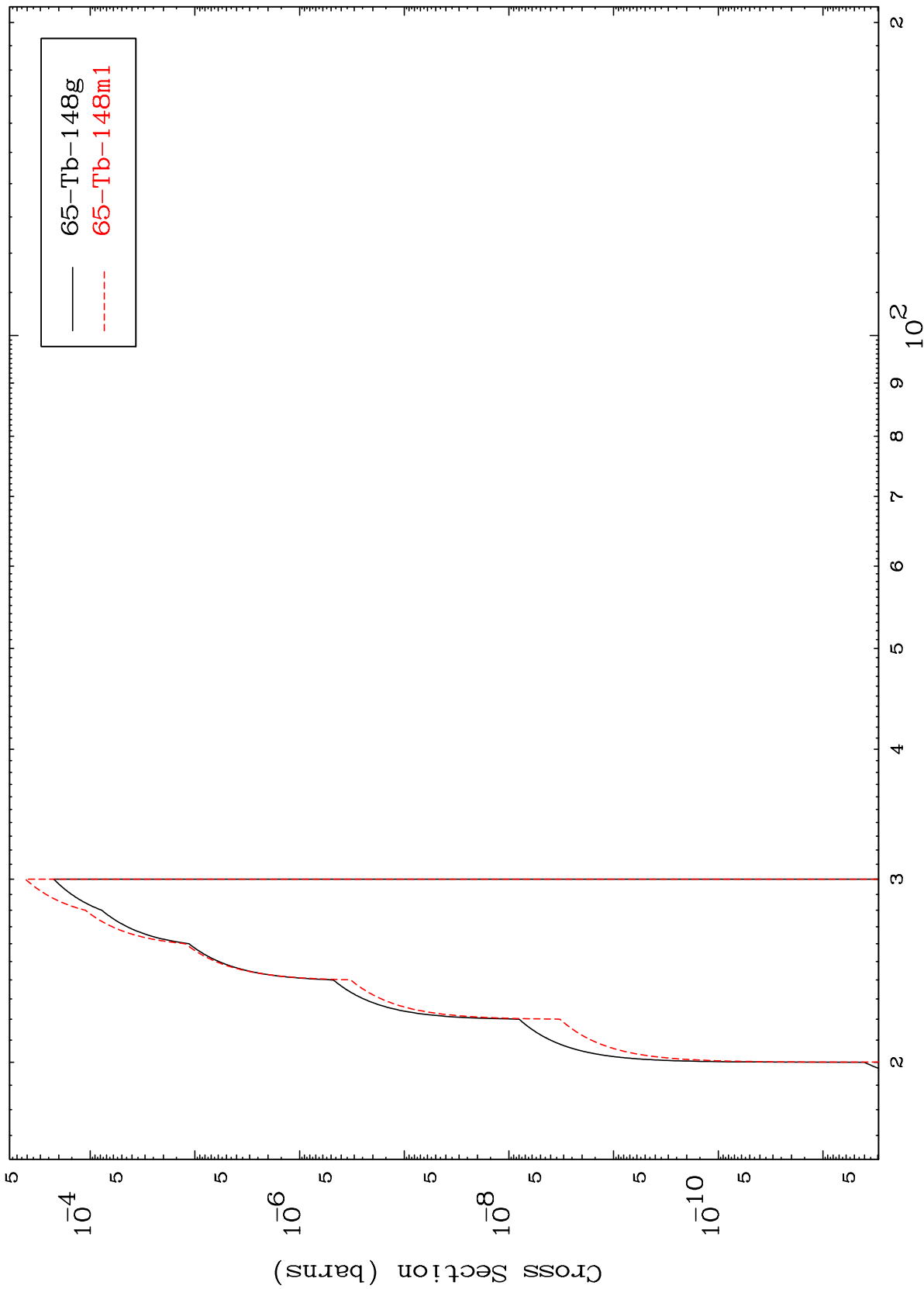
Incident Energy (MeV)

15

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64-Gd-146

(n,d)  
Radionuclide Production Cross Section



16

64-Gd-146

Incident Energy (MeV)

(n, t)  
Radionuclide Production Cross Section

