

Program EVALPLOT  
(Version 2021-1)

by

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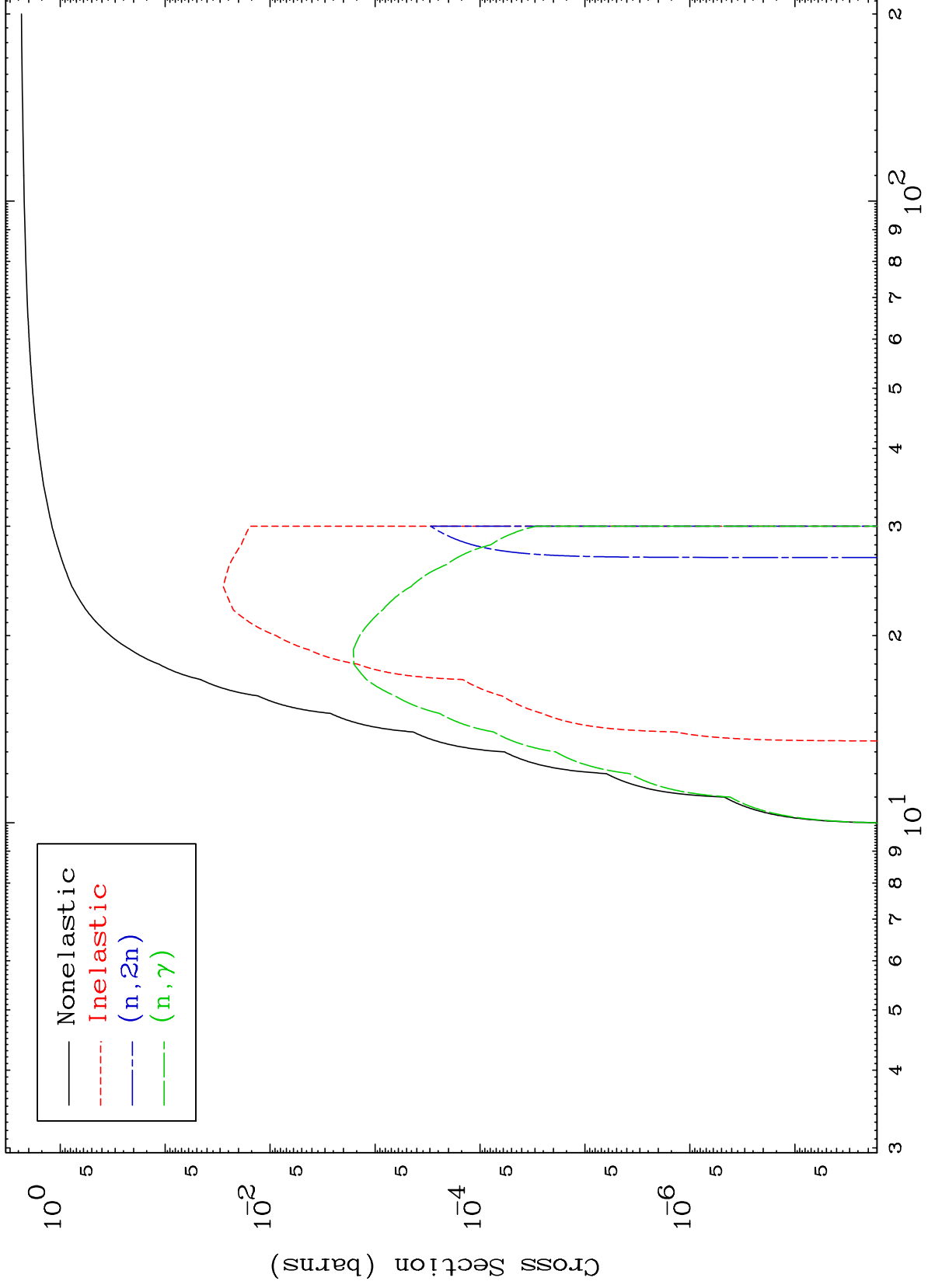
Web:redcullen1.net/HOMEPAGE.NEW

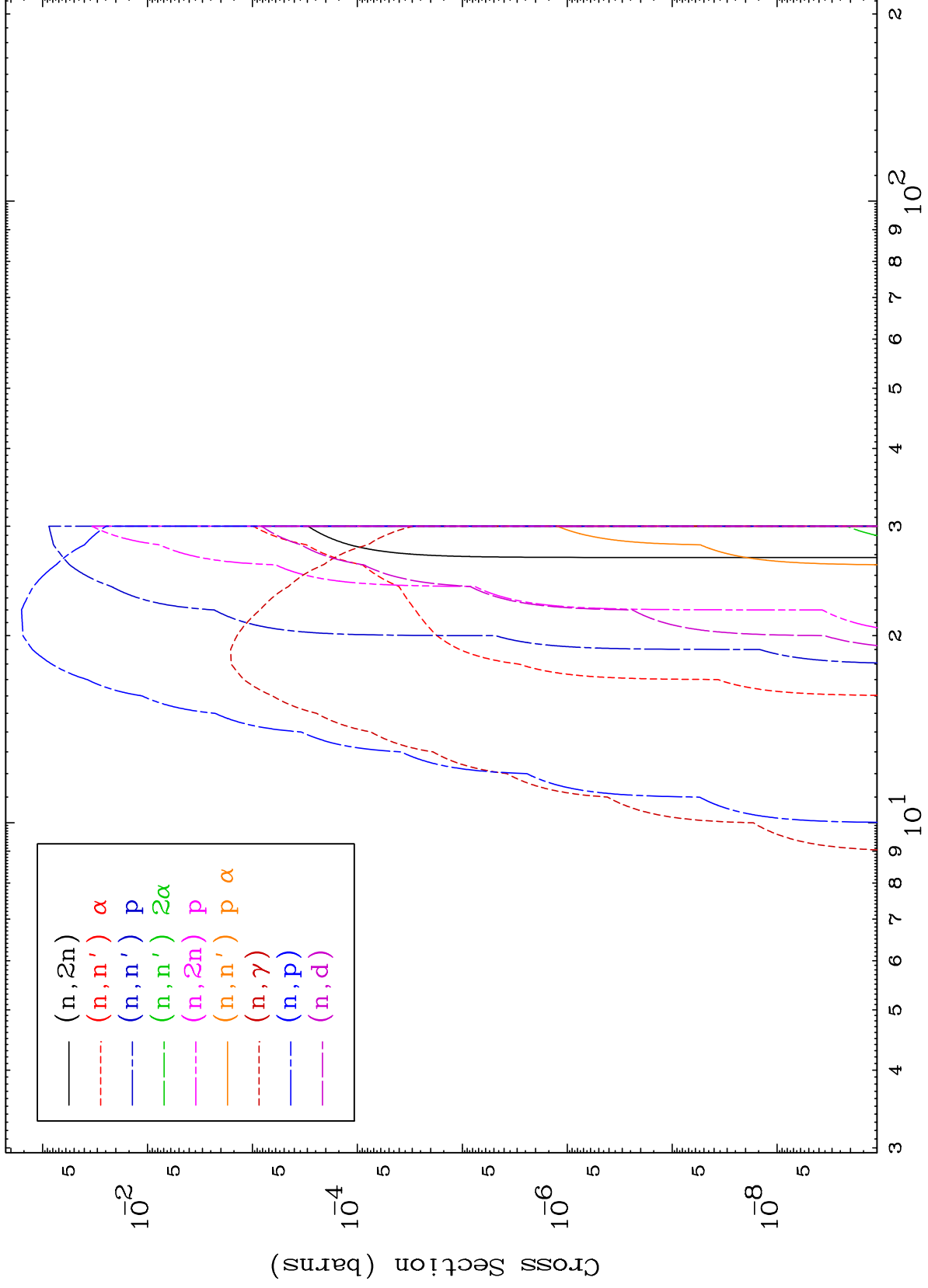
Press Mouse Button to Start

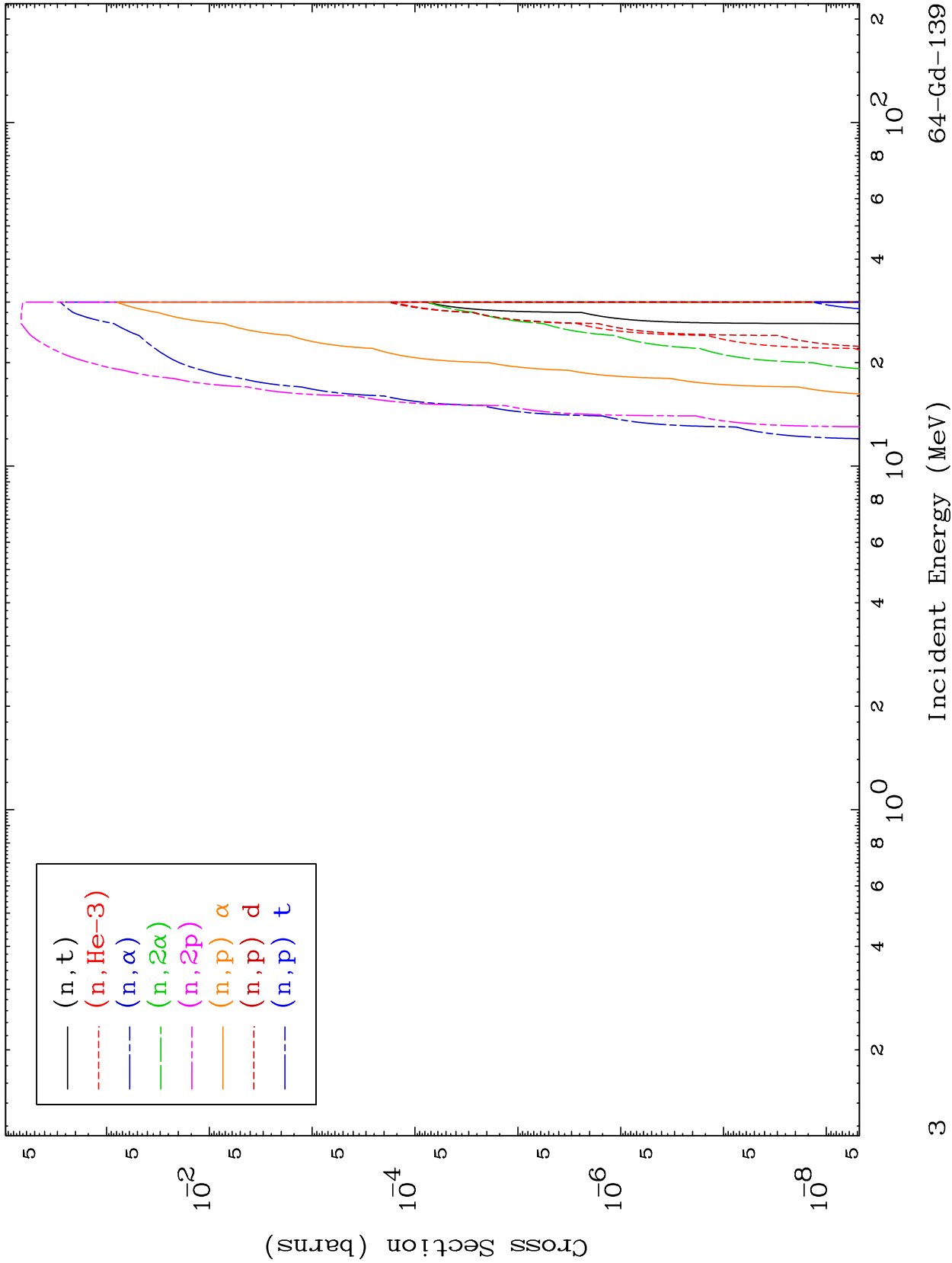
MAT 6386

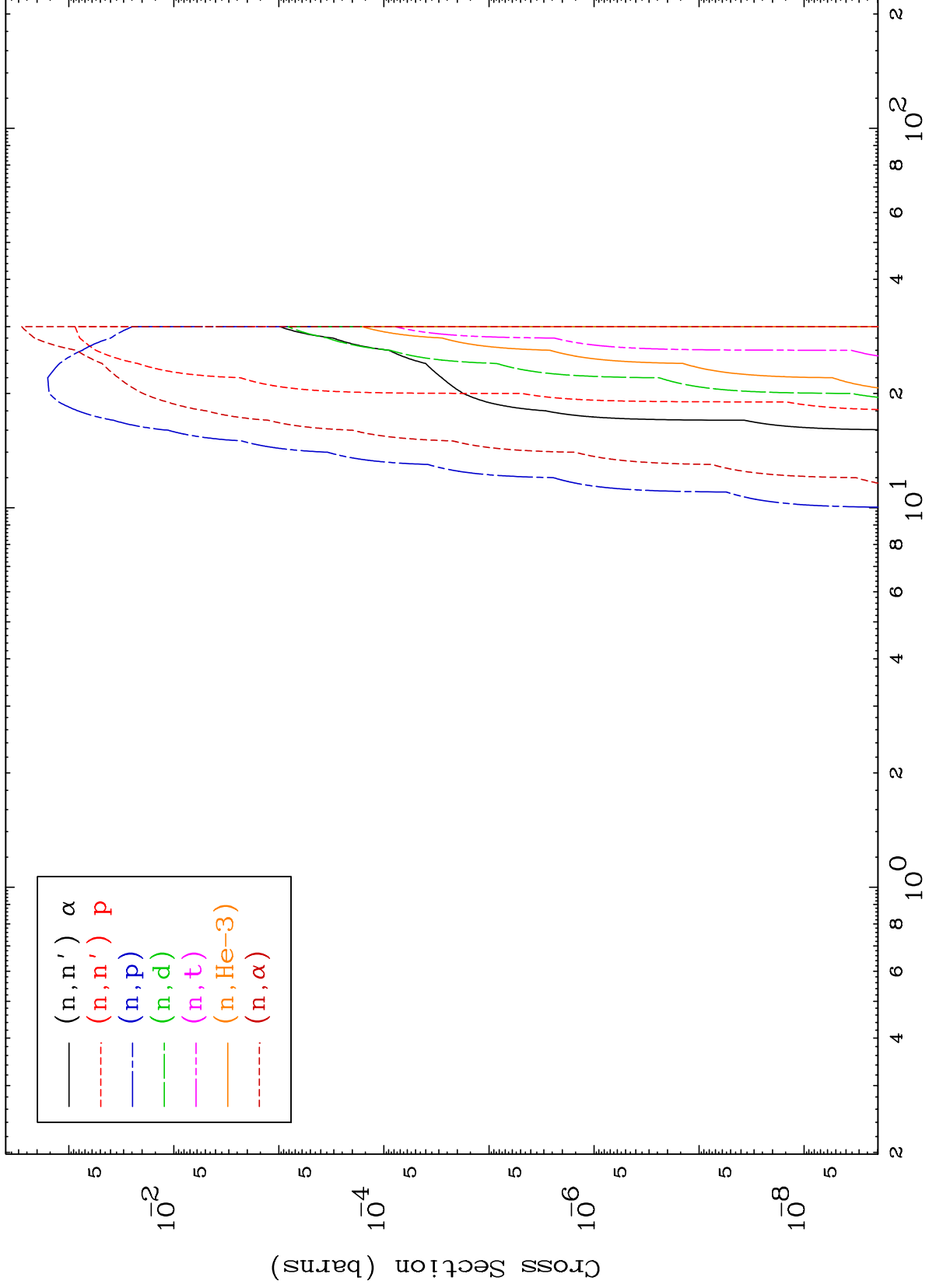
0 Kelvin  $\alpha$  Major Cross Sections

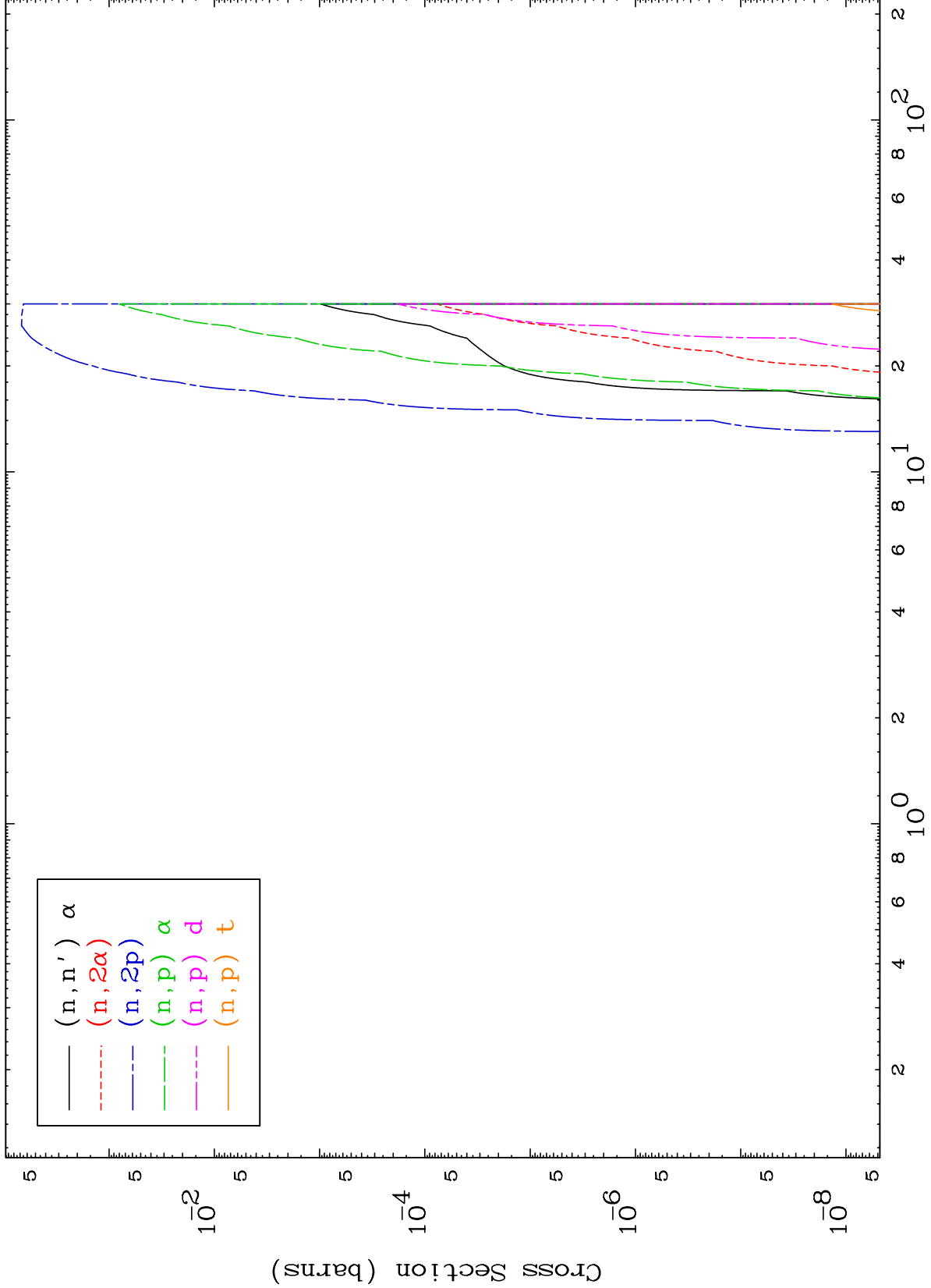
64-Gd-139







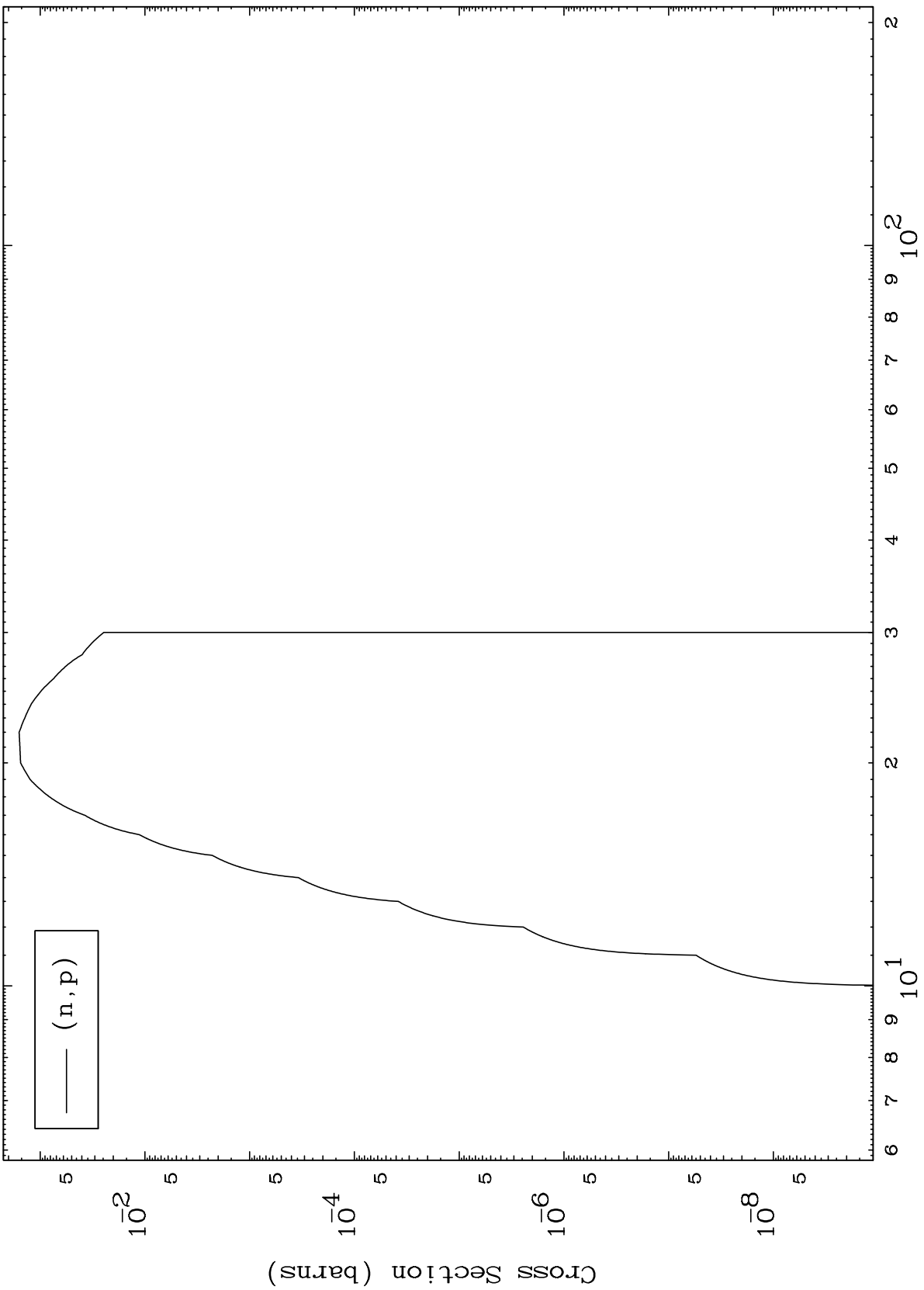




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64-Gd-139

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



64-Gd-139

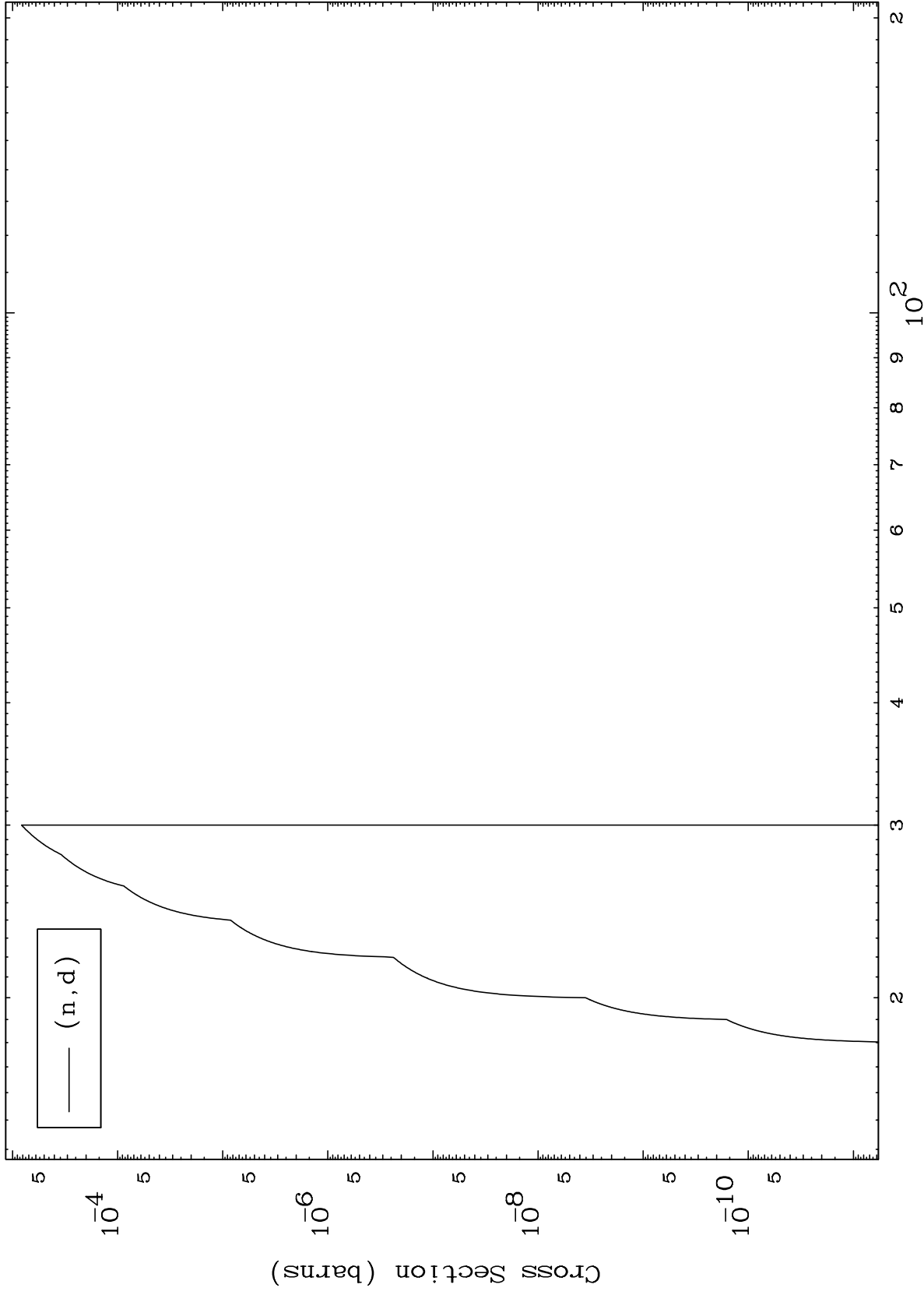
Incident Energy (MeV)

6

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

64-Gd-139



7

Incident Energy (MeV)

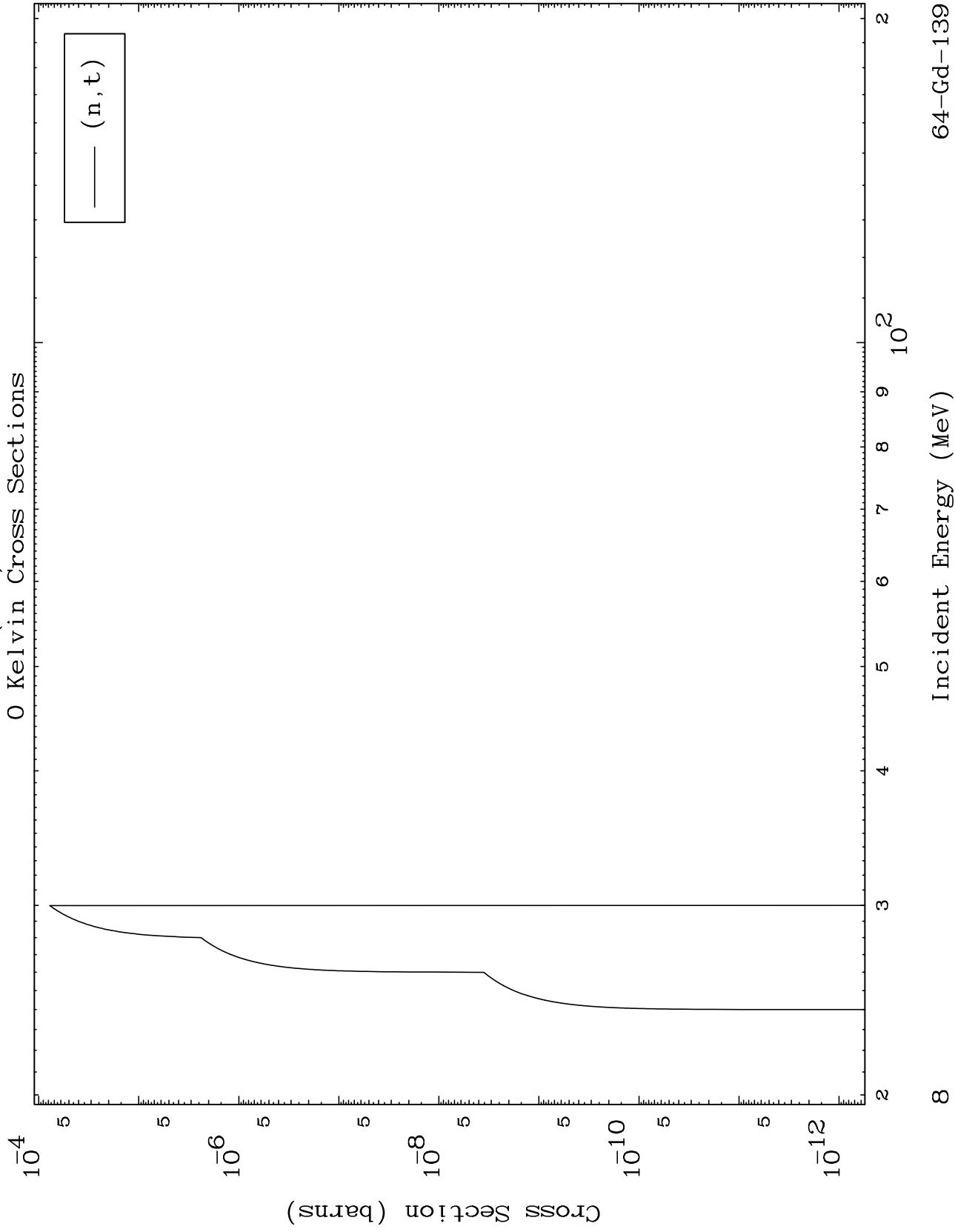
64-Gd-139



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( $\alpha, t$ ) Levels

64-Gd-139



Incident Energy (MeV)

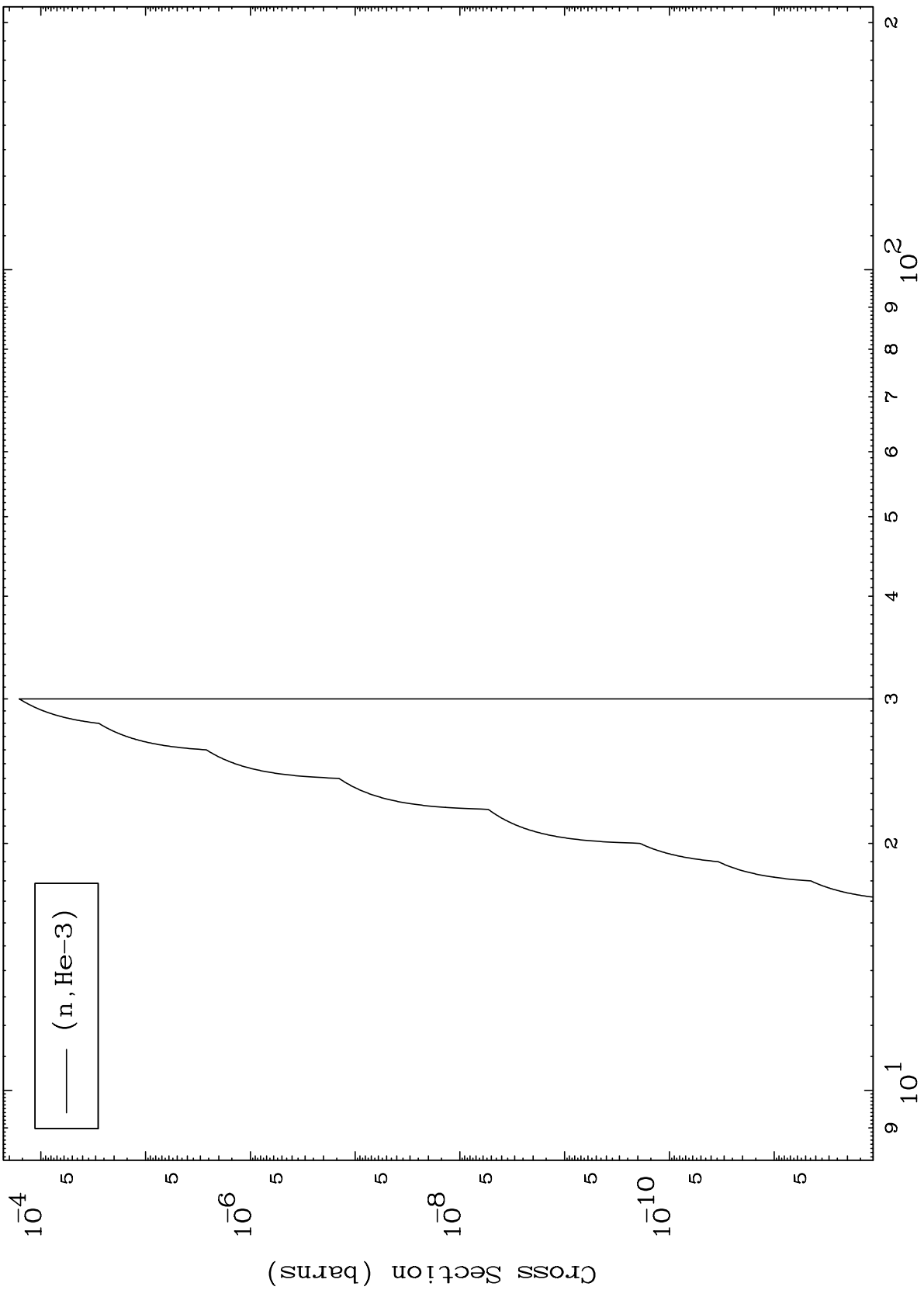
64-Gd-139

8

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64-Gd-139

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



9

Incident Energy (MeV)

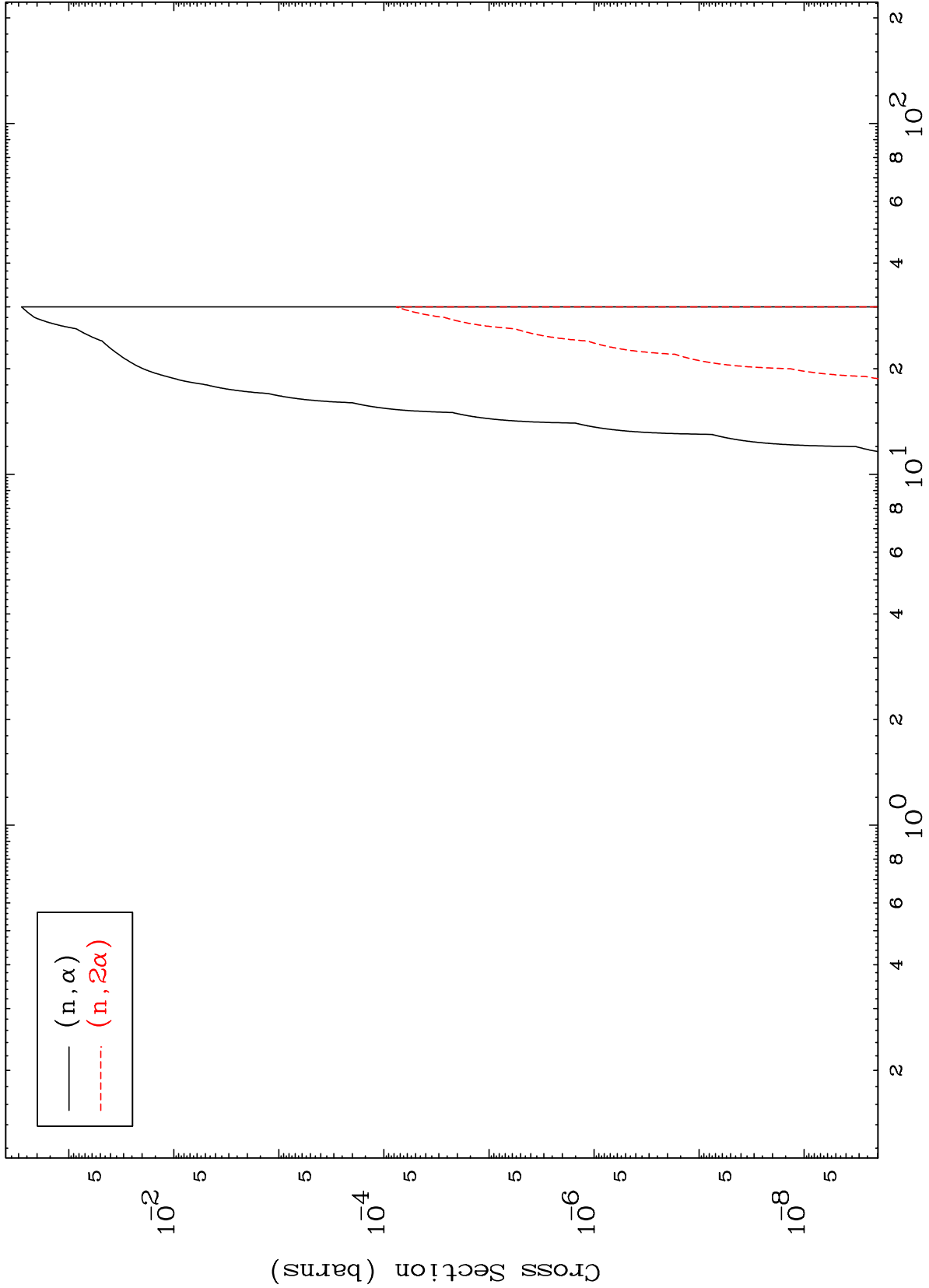
64-Gd-139

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( $\alpha, \alpha$ ) Levels

64-Gd-139

0 Kelvin Cross Sections



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

10

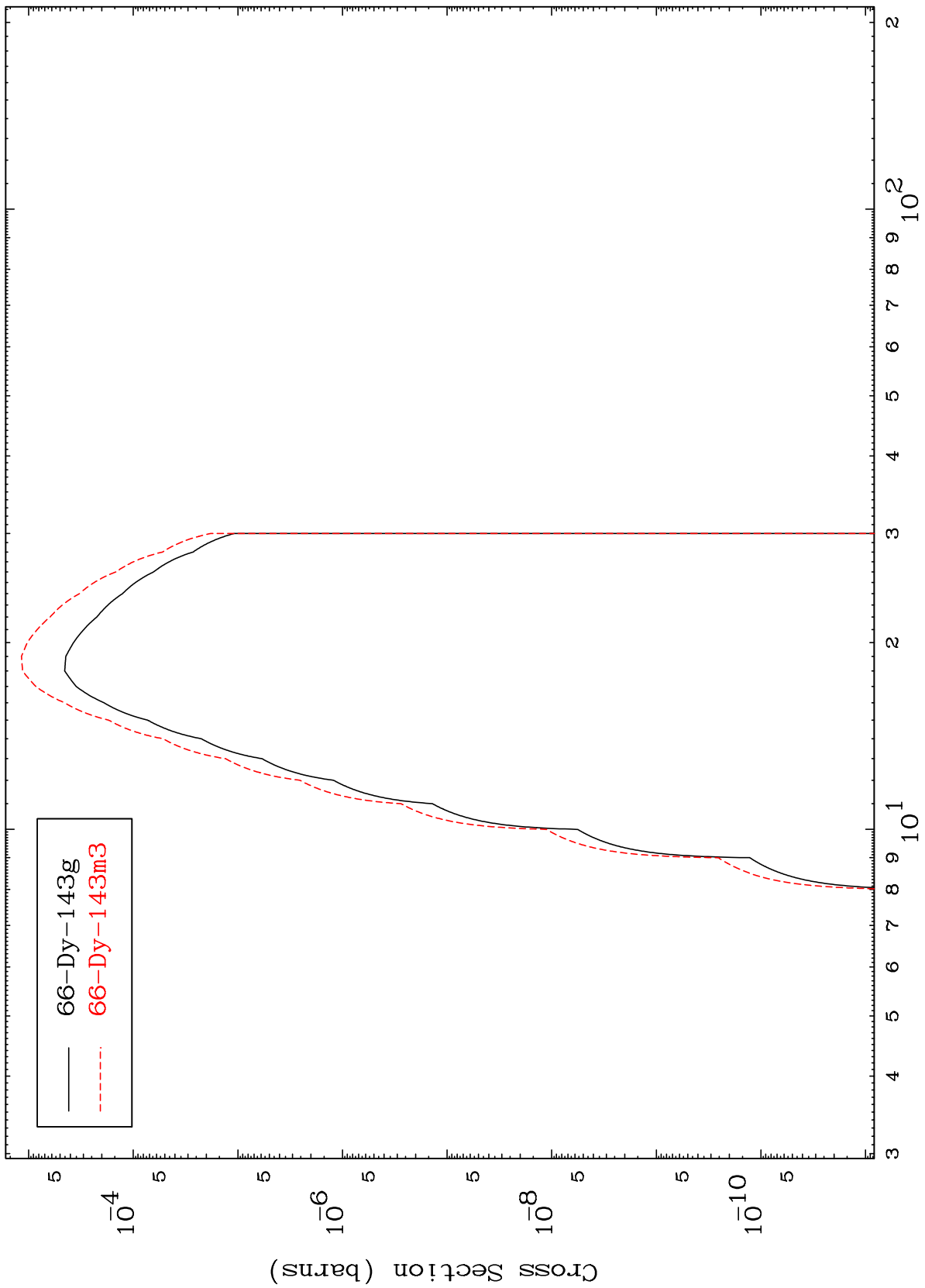
Incident Energy (MeV)

64-Gd-139

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64-Gd-139

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



11

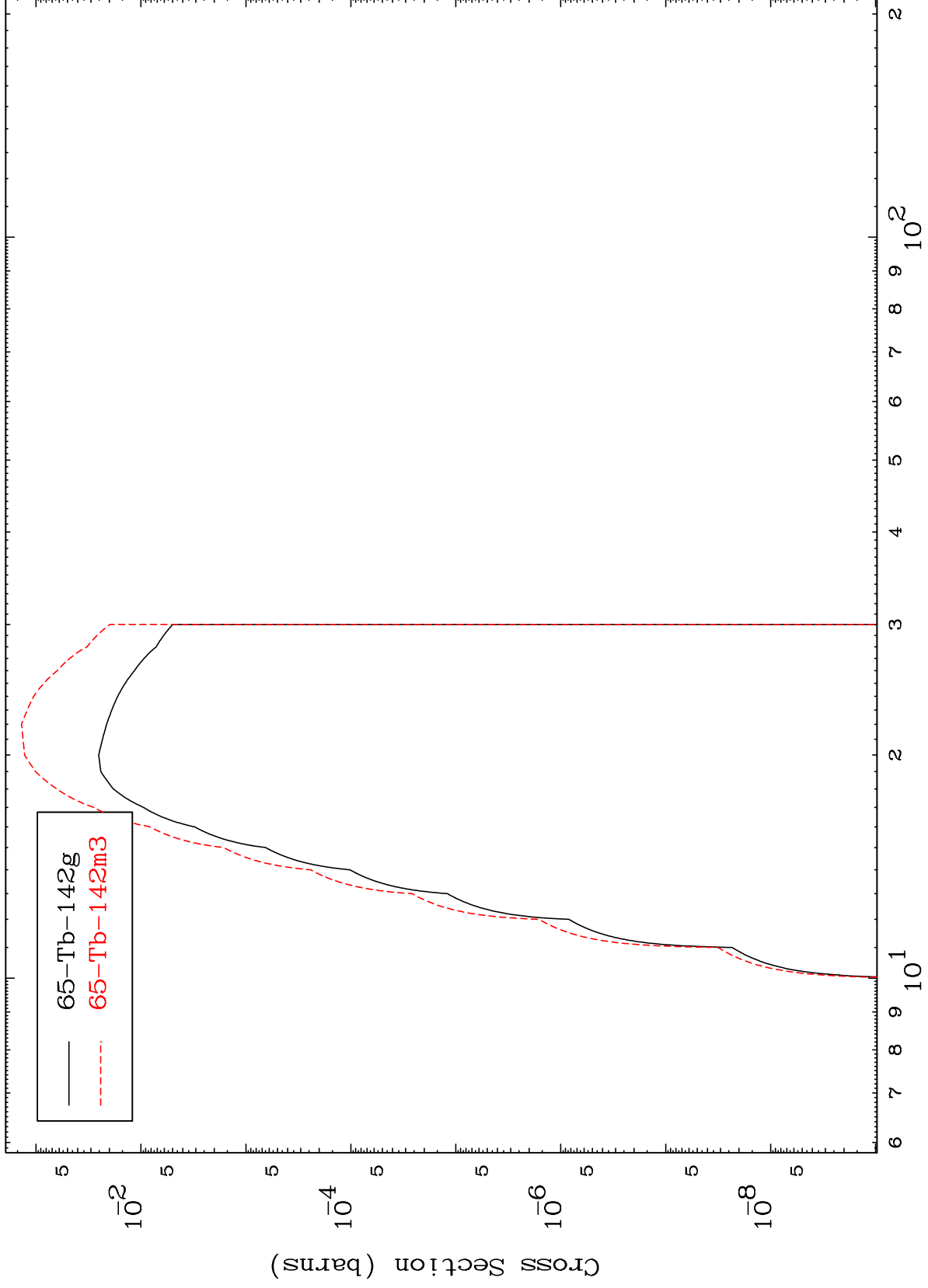
Incident Energy (MeV)

64-Gd-139

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64-Gd-139

(n,p)  
Radionuclide Production Cross Section



12

Incident Energy (MeV)

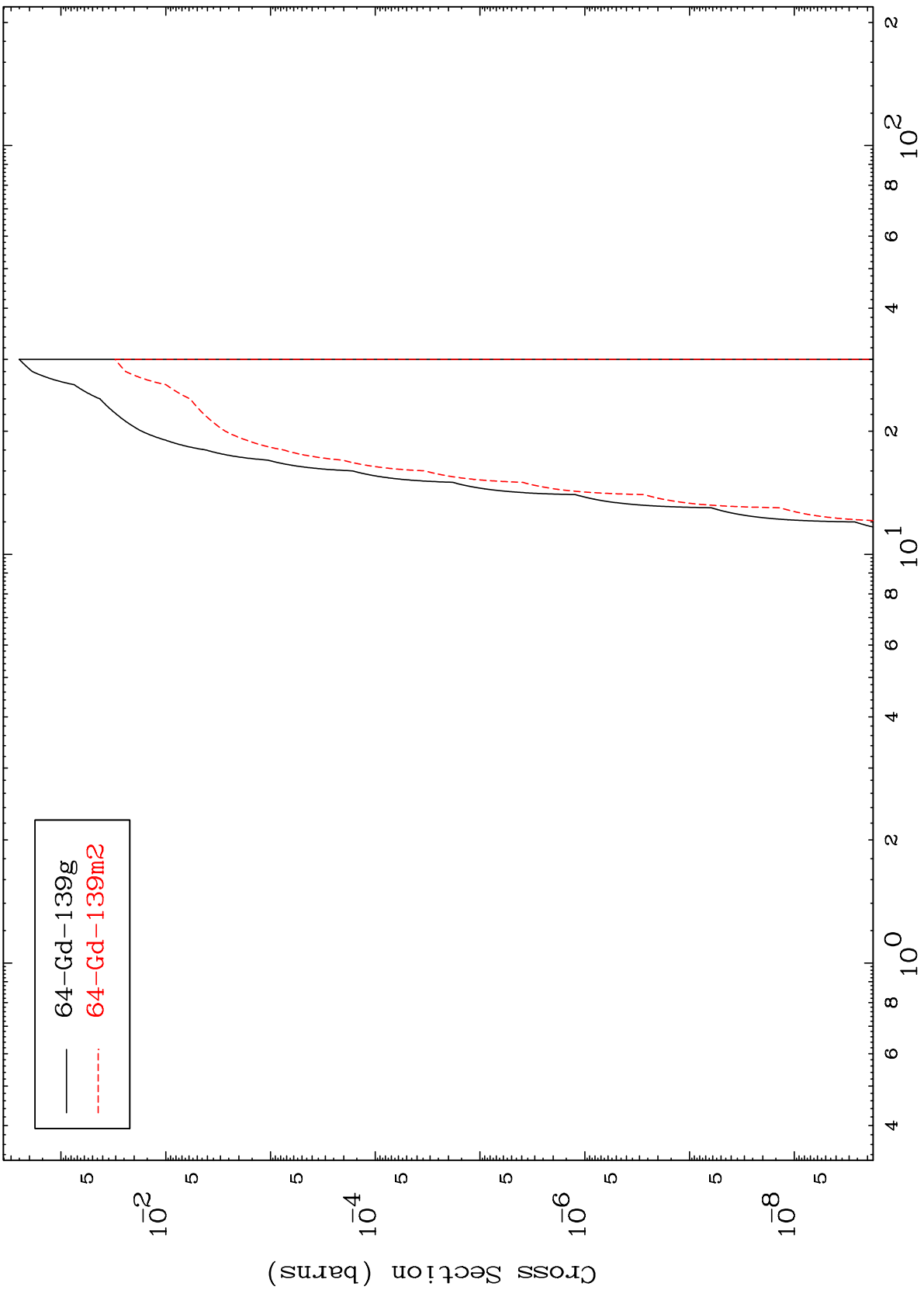
64-Gd-139

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(n,  $\alpha$ )

64-Gd-139

Radionuclide Production Cross Section



13

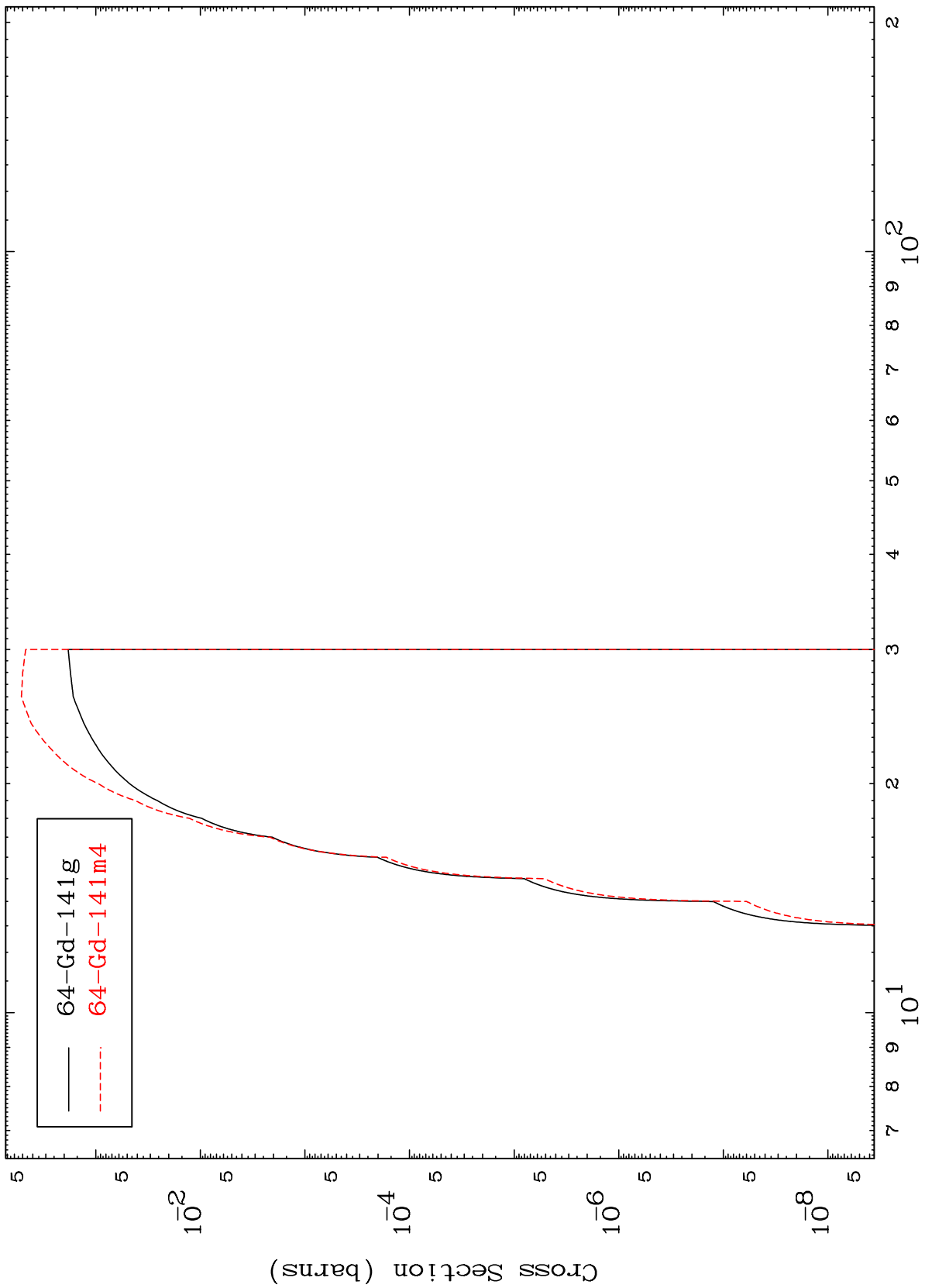
Incident Energy (MeV)

64-Gd-139

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64-Gd-139

(n,2p)  
Radionuclide Production Cross Section



14

Incident Energy (MeV)

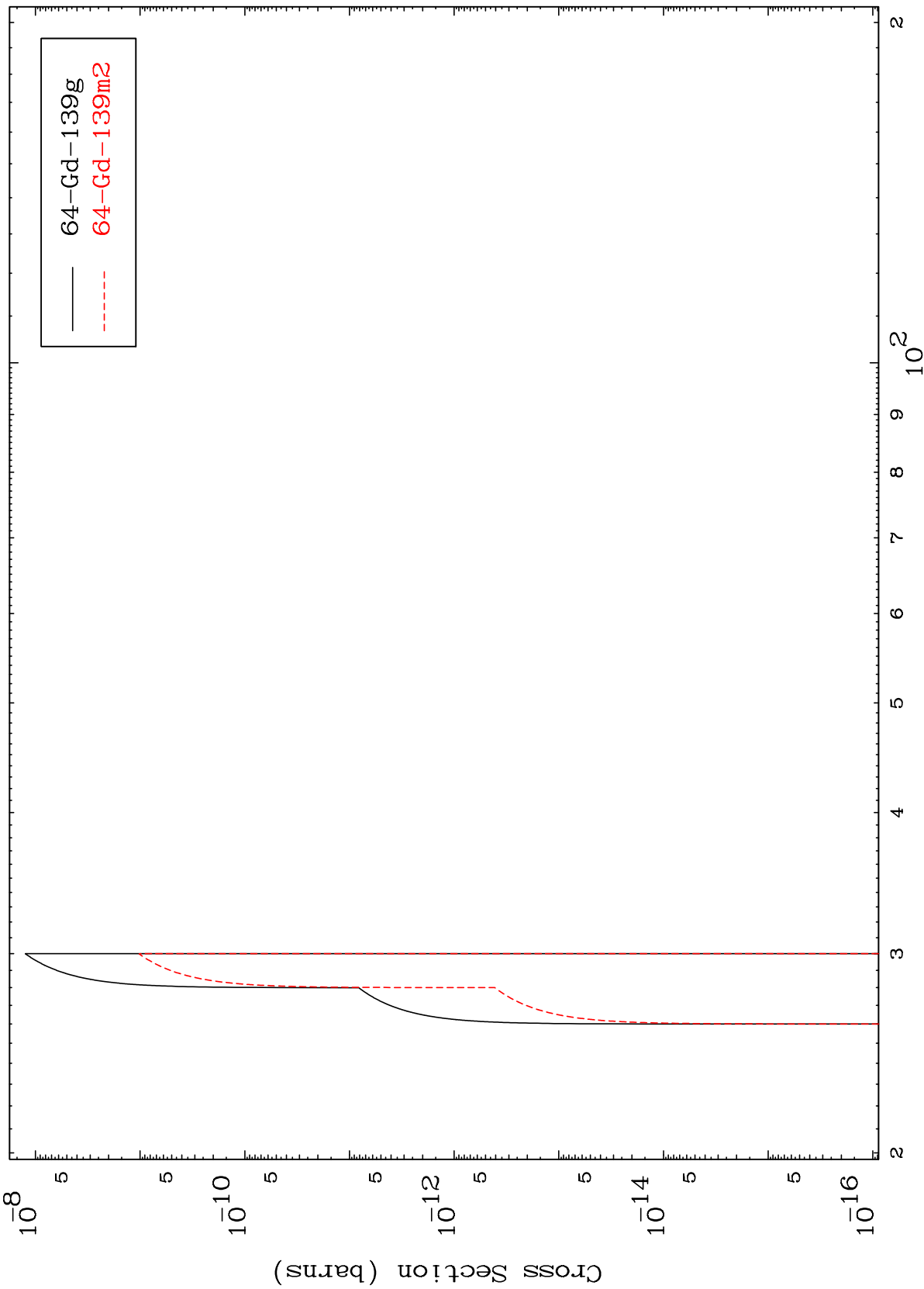
64-Gd-139

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(n,p) t

64-Gd-139

Radionuclide Production Cross Section



15

Incident Energy (MeV)

64-Gd-139