

Program EVALPLOT  
(Version 2021-1)

by

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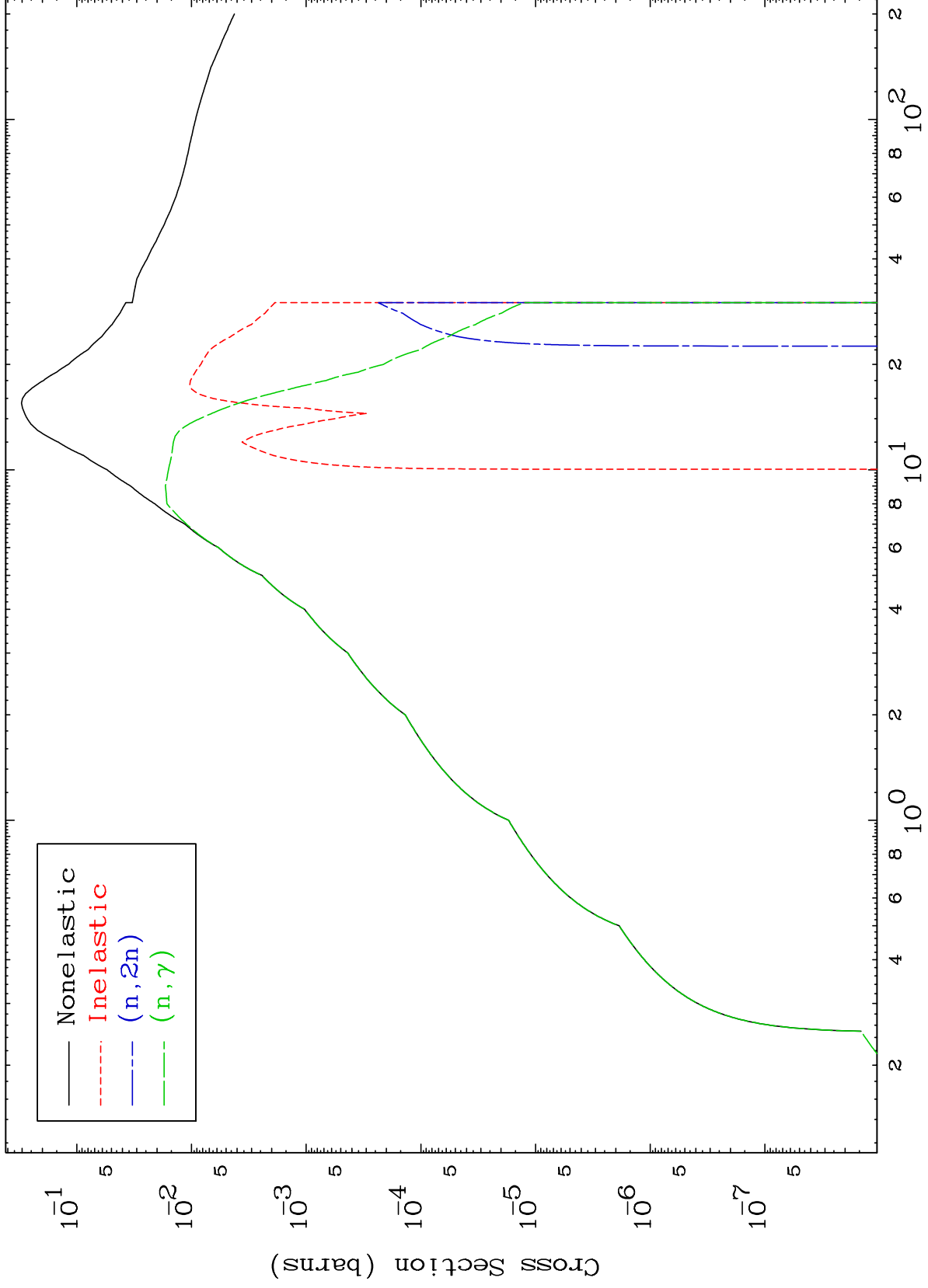
Web:redcullen1.net/HOMEPAGE.NEW

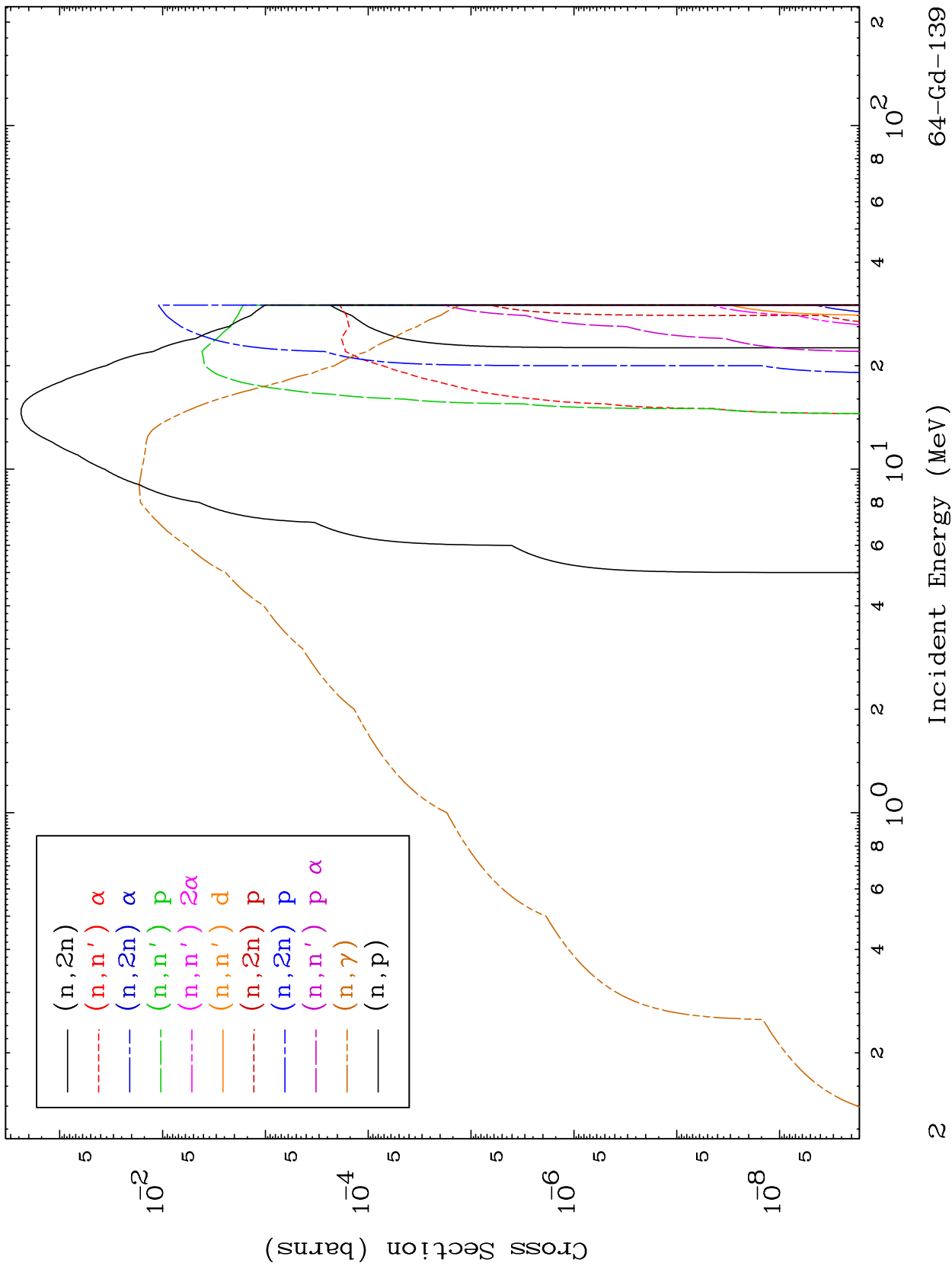
Press Mouse Button to Start

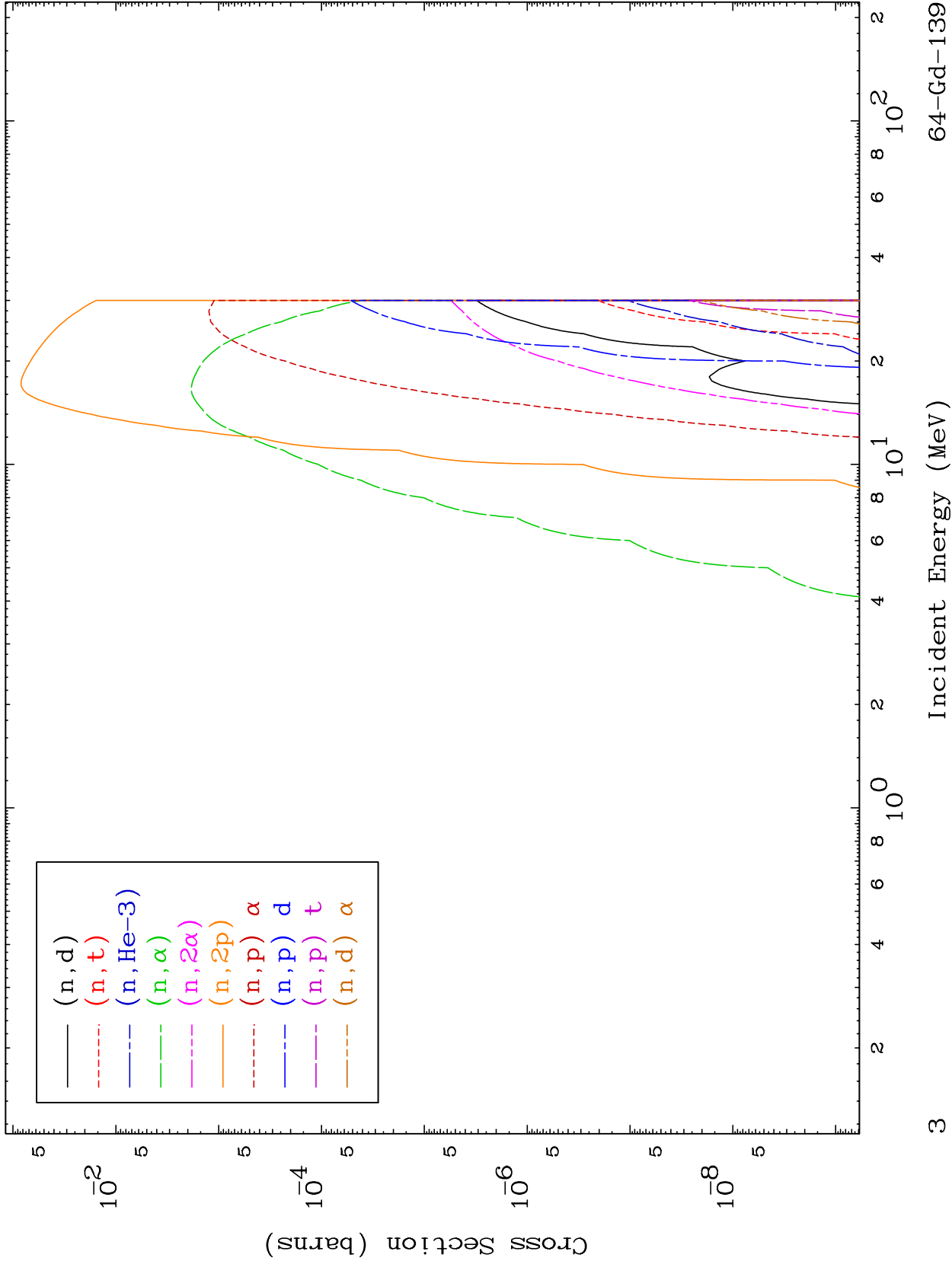
MAT 6386

Photon Major  
0 Kelvin Cross Sections

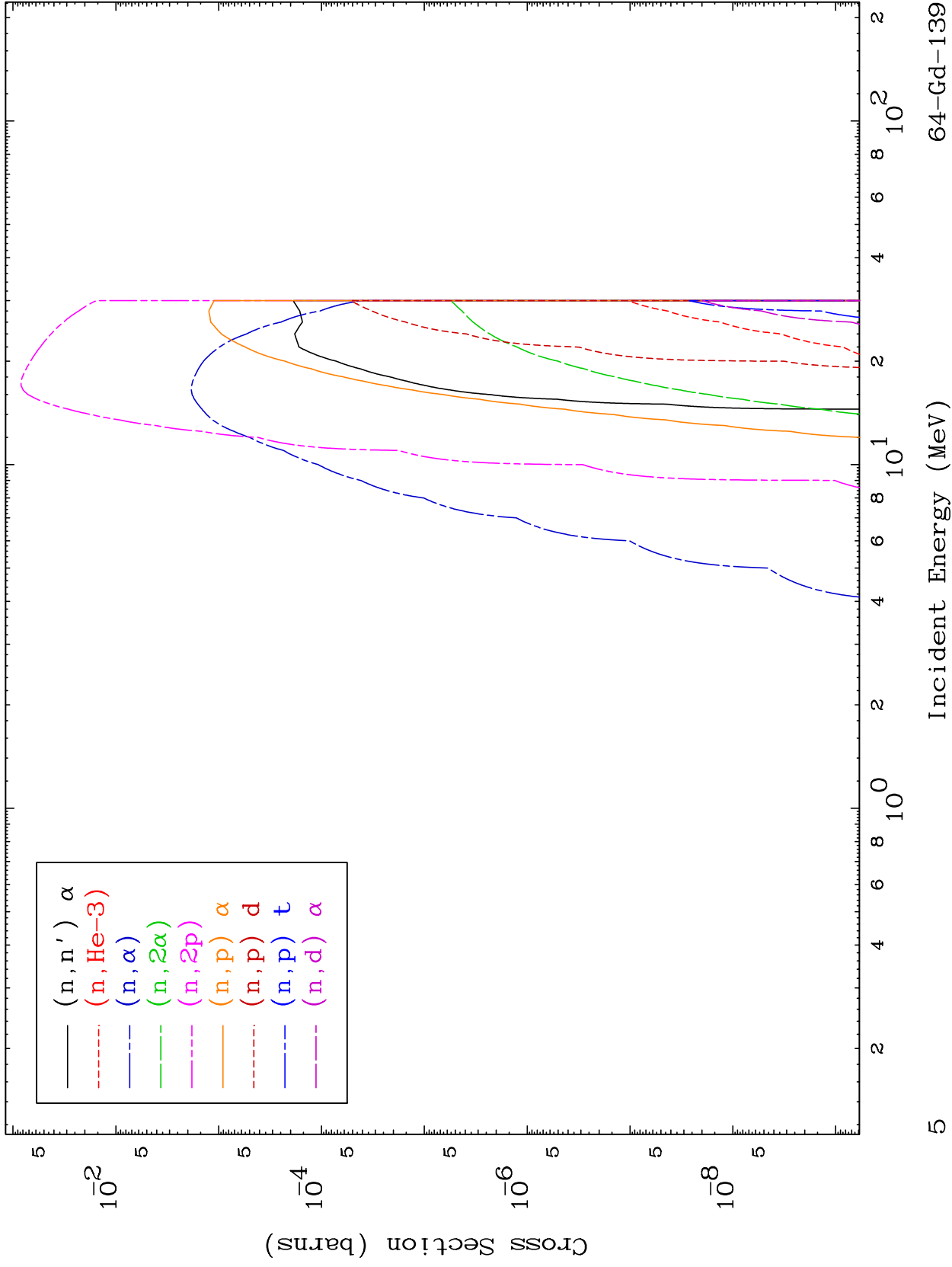
64-Gd-139







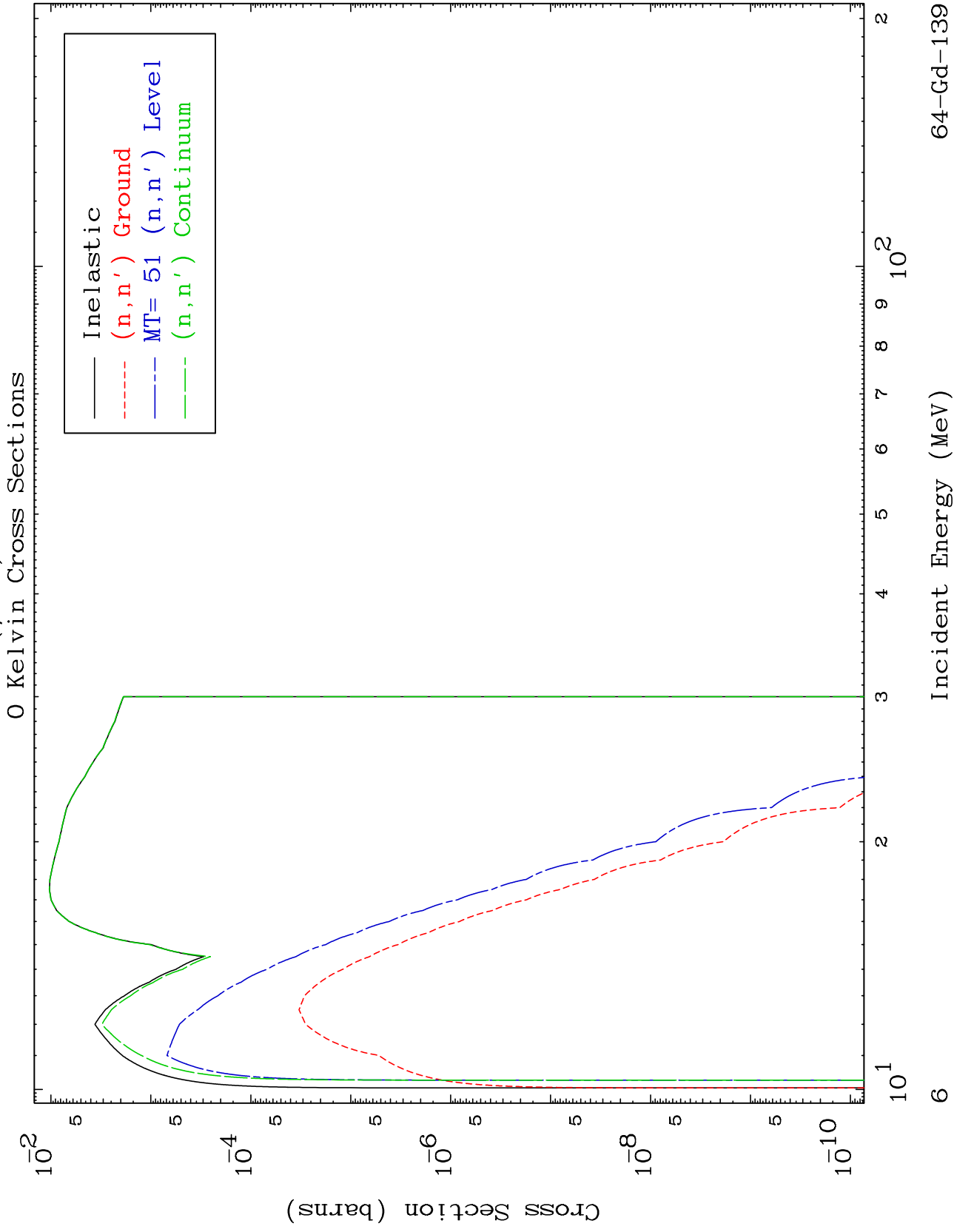




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( $\gamma, n'$ ) Levels

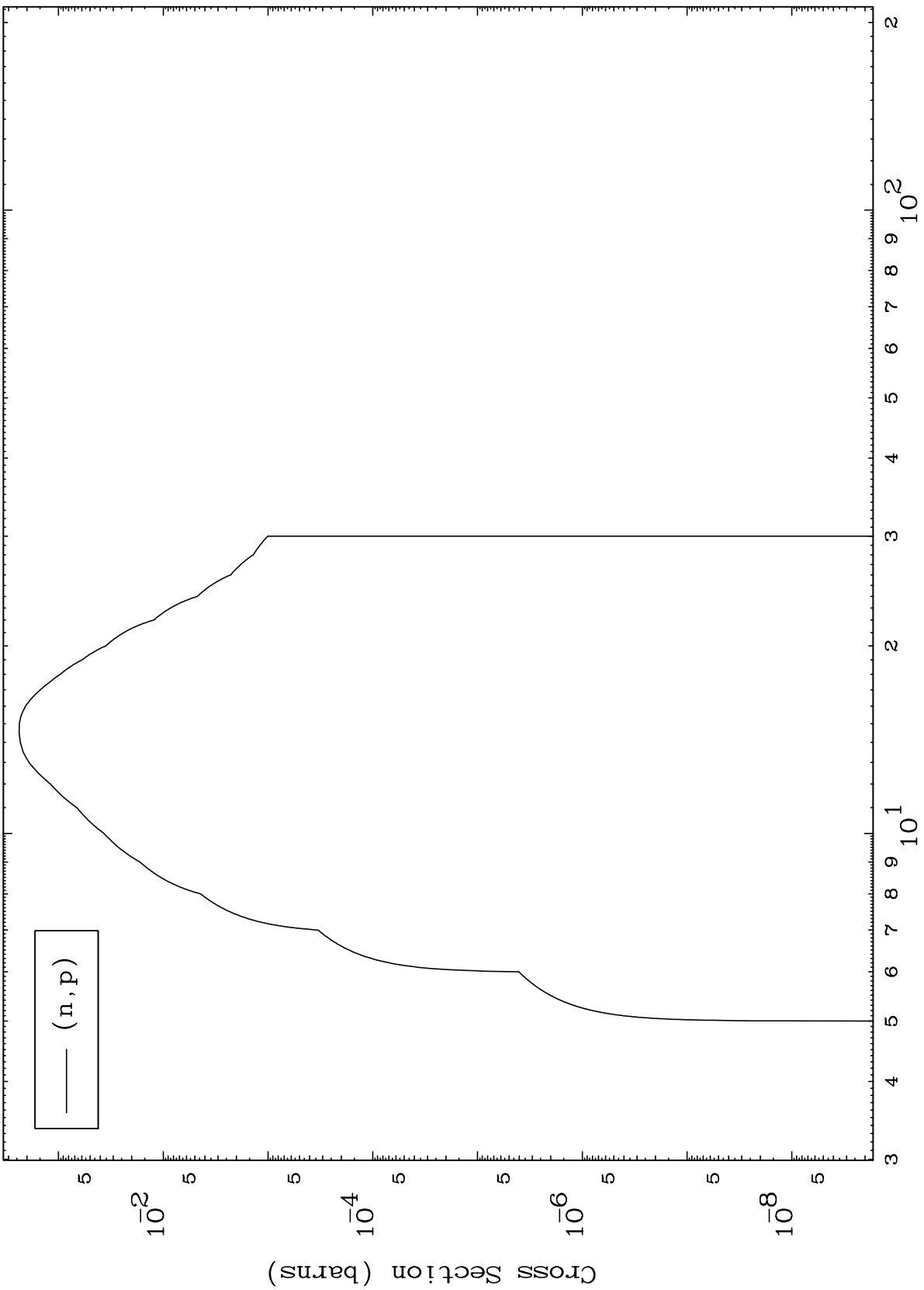
64-Gd-139



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64-Gd-139

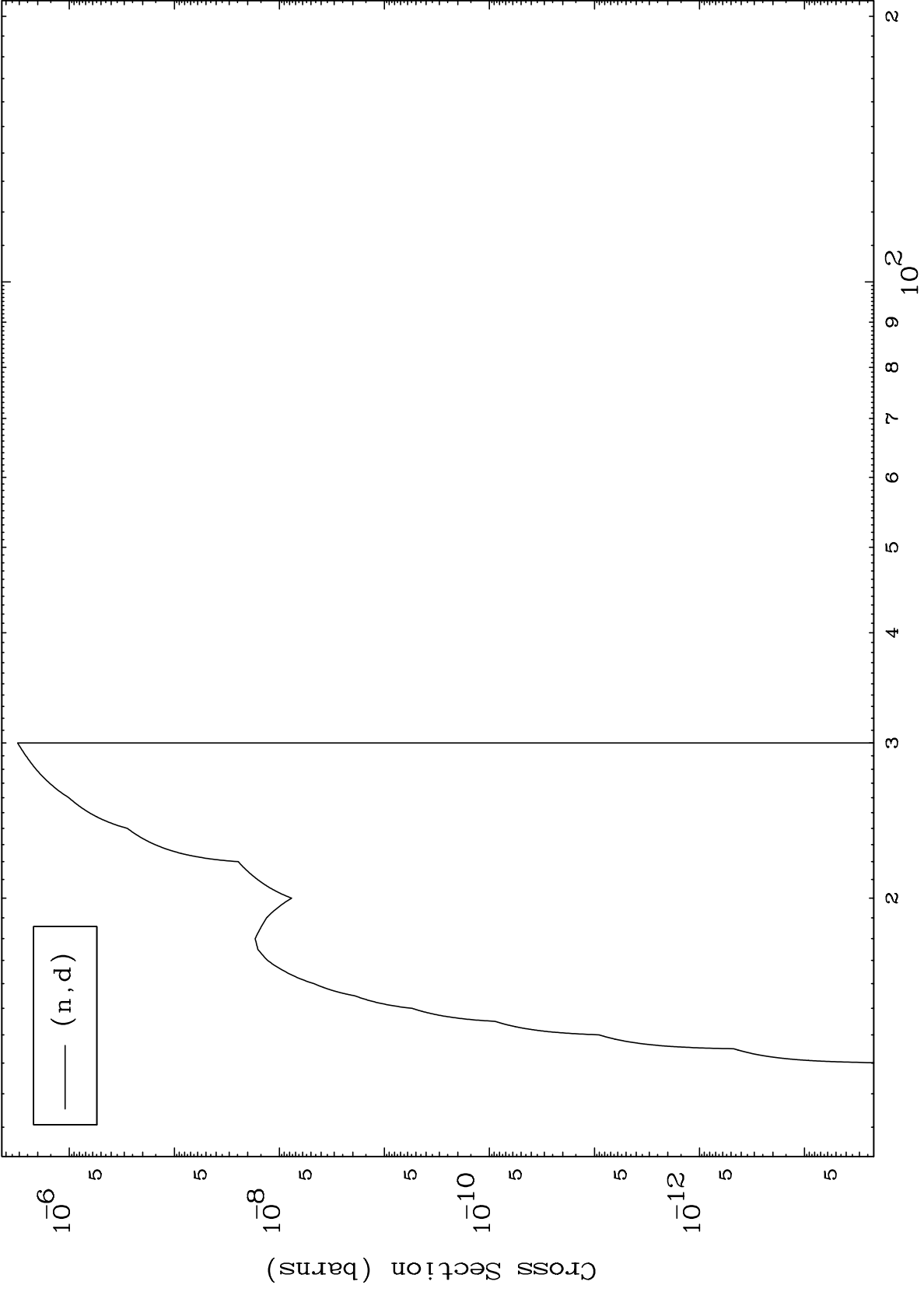
( $\gamma, p$ ) Levels  
0 Kelvin Cross Sections

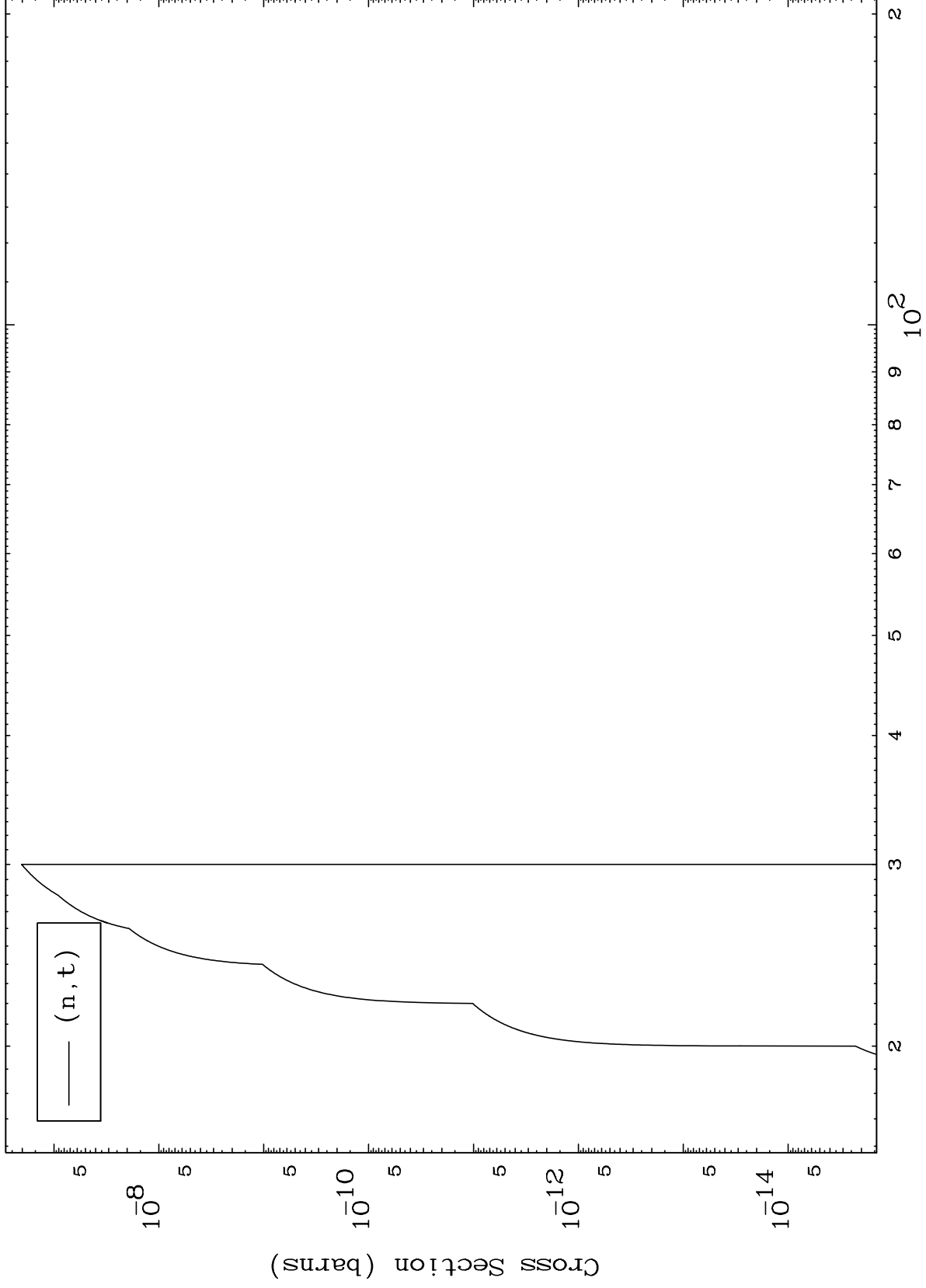


7

Incident Energy (MeV)

64-Gd-139

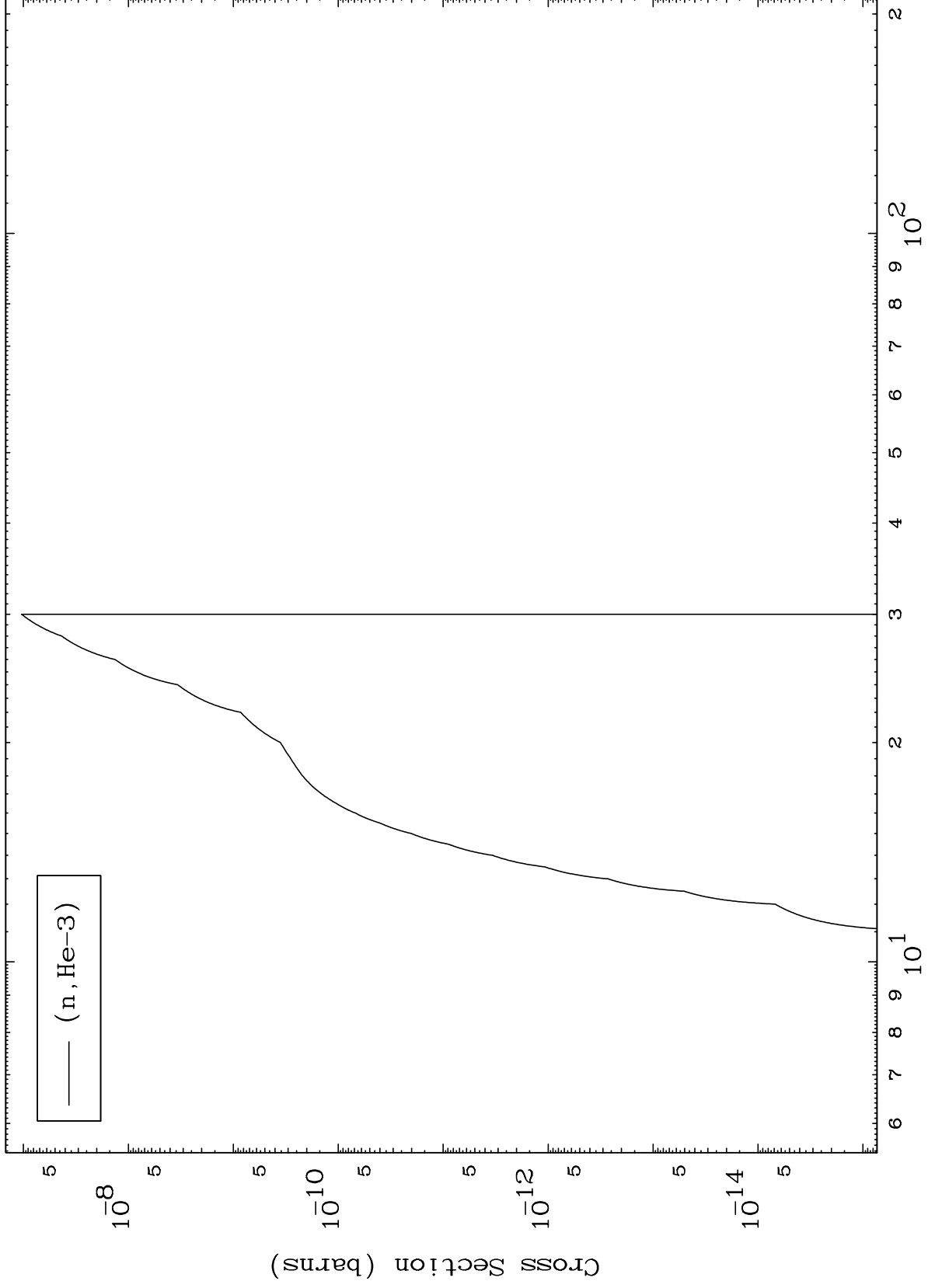




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( $\gamma, \text{He}3$ ) Levels  
0 Kelvin Cross Sections

64-Gd-139



10

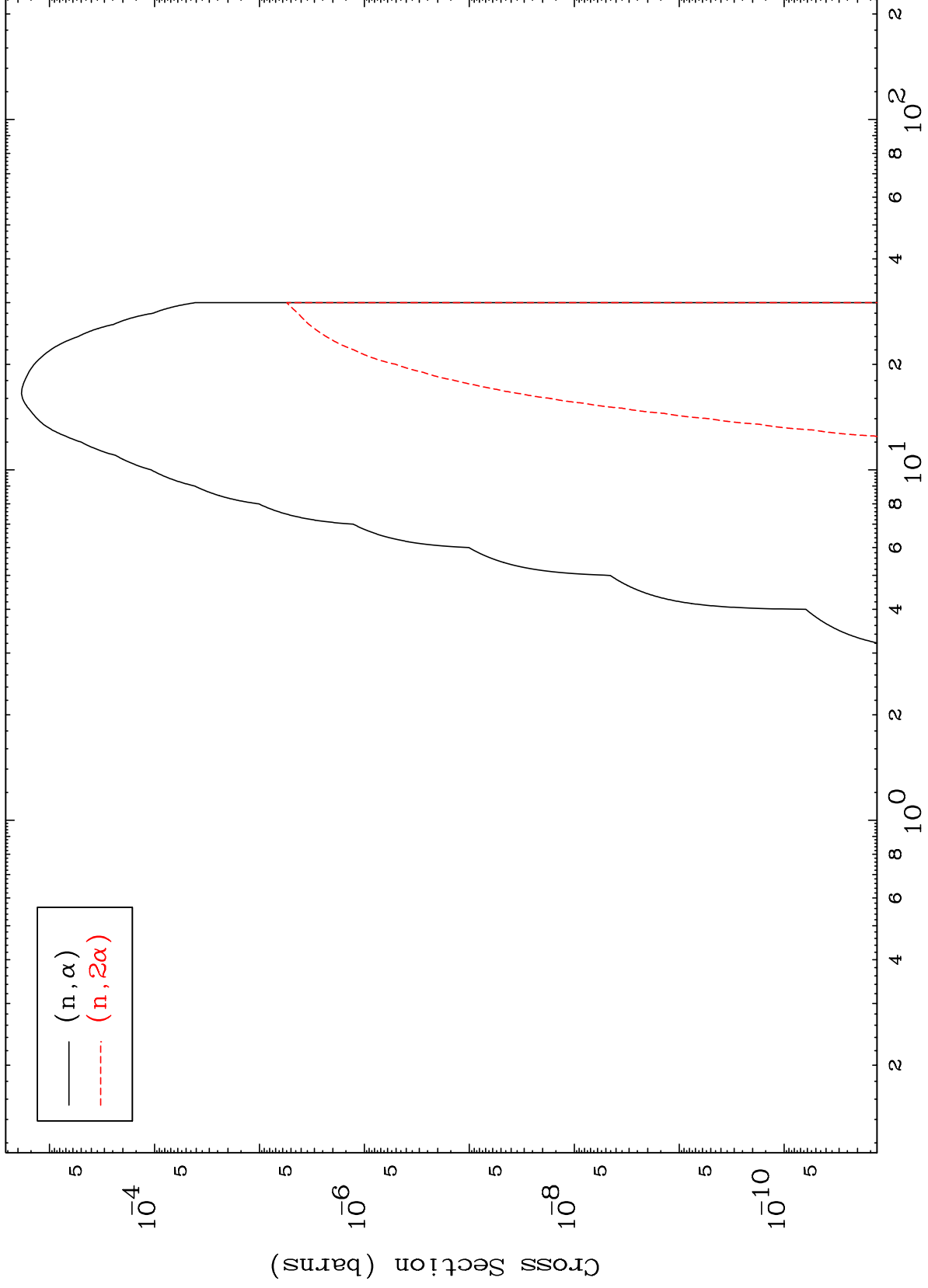
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139

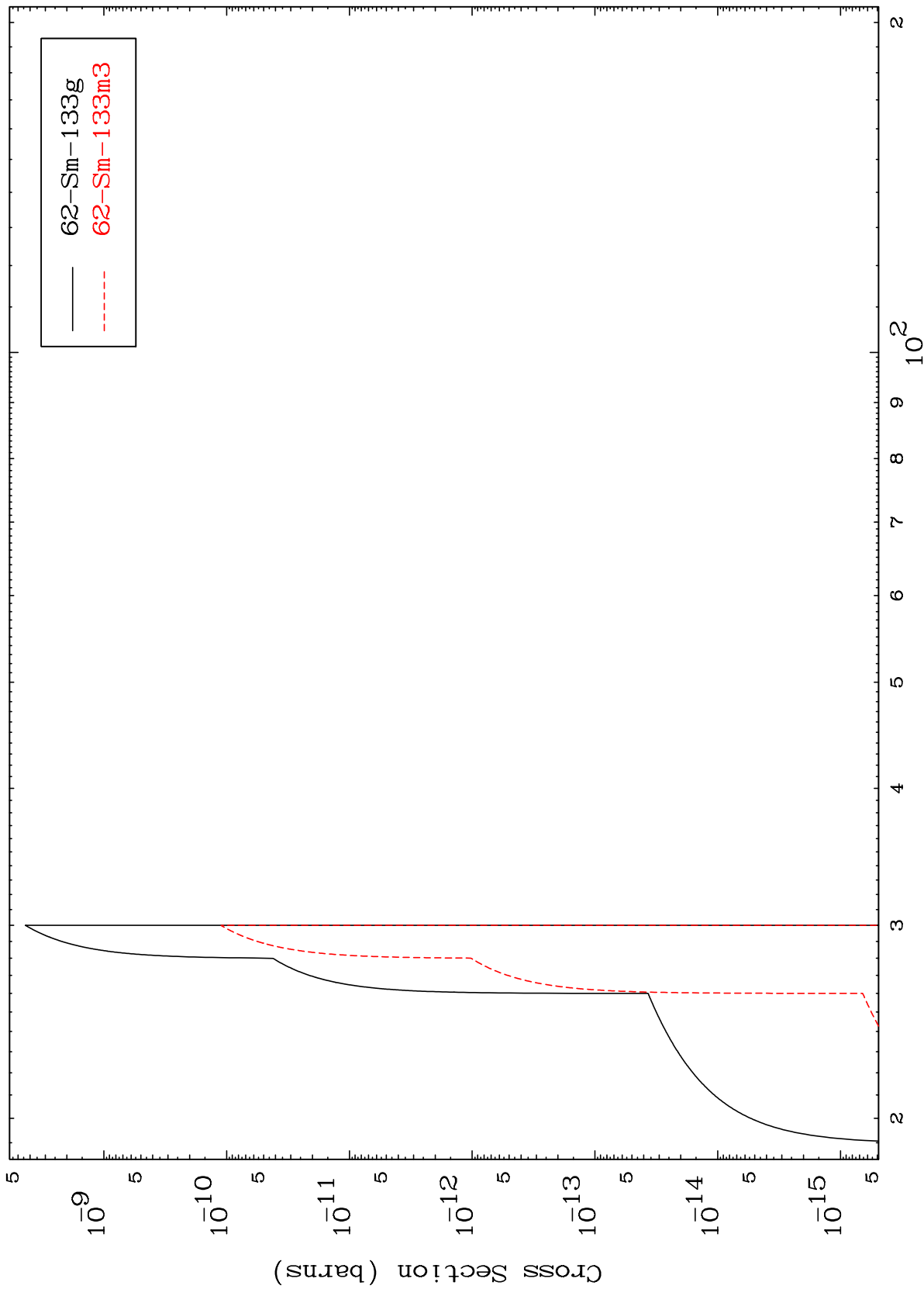


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(n,2n)  $\alpha$

64-Gd-139

Radionuclide Production Cross Section



12

Incident Energy (MeV)

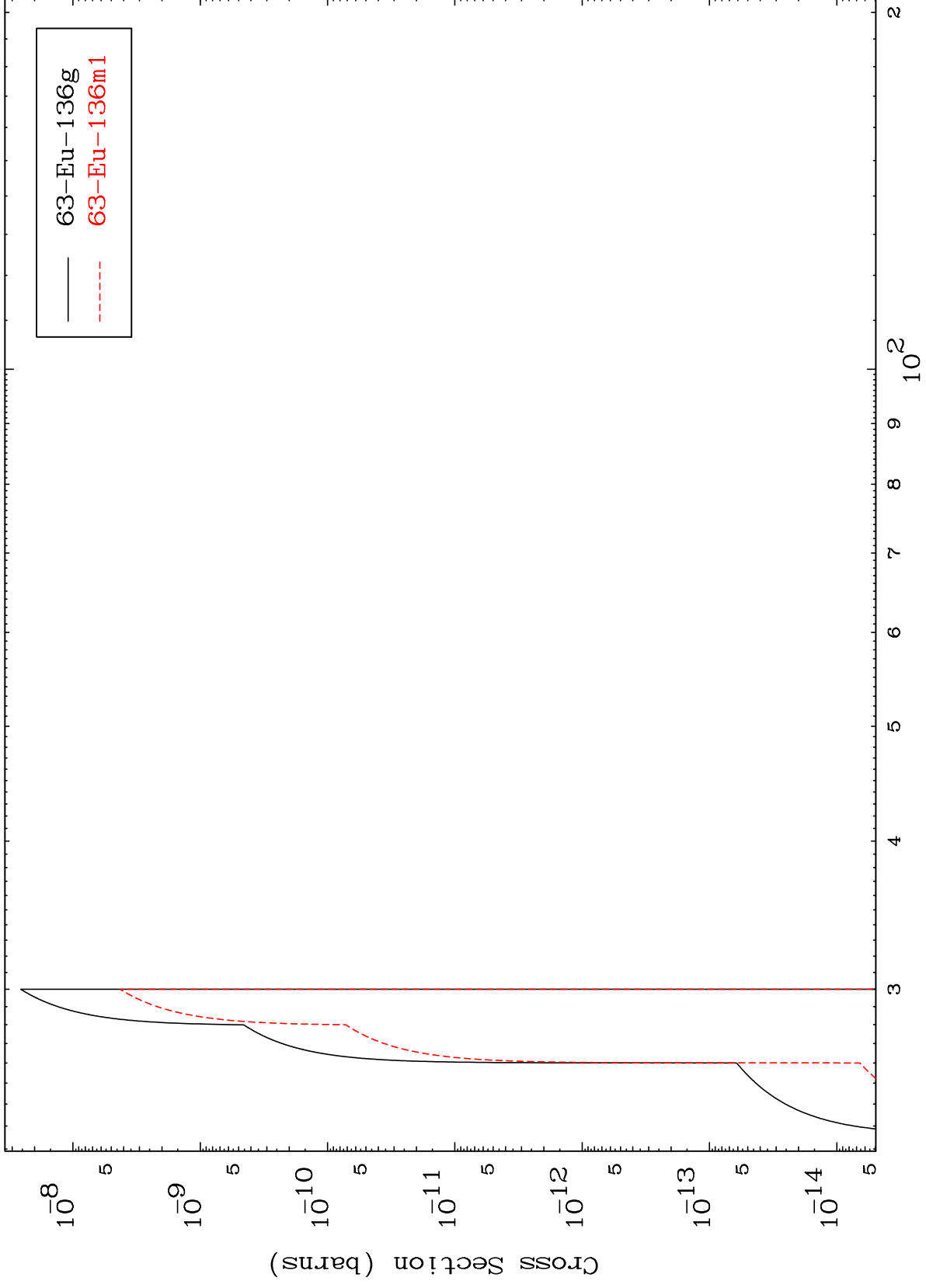
64-Gd-139

MAT 6386

(n,n') d

64-Gd-139

Radionuclide Production Cross Section



13

Incident Energy (MeV)

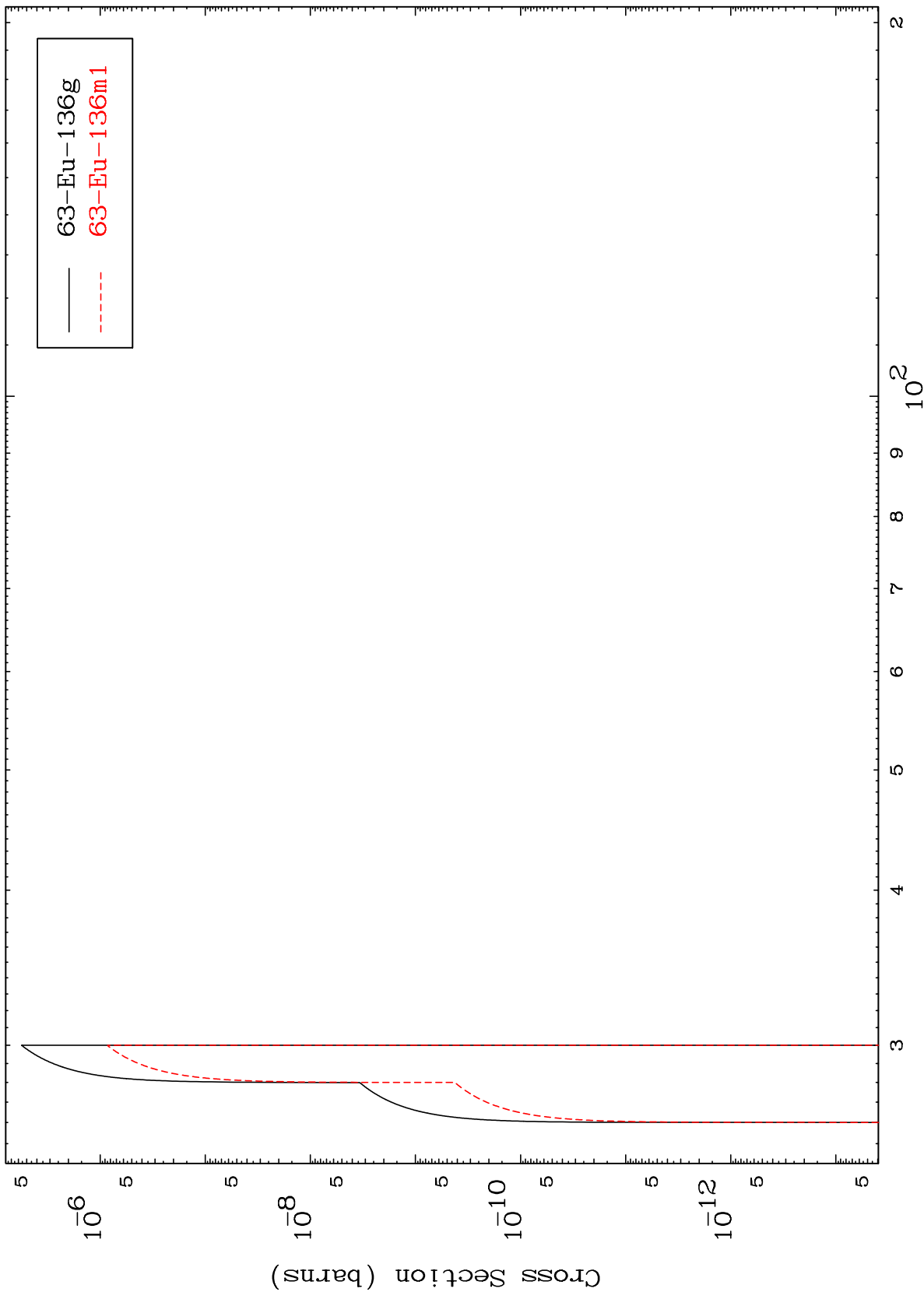
64-Gd-139

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(n,2n) p

64-Gd-139

Radionuclide Production Cross Section



14

Incident Energy (MeV)

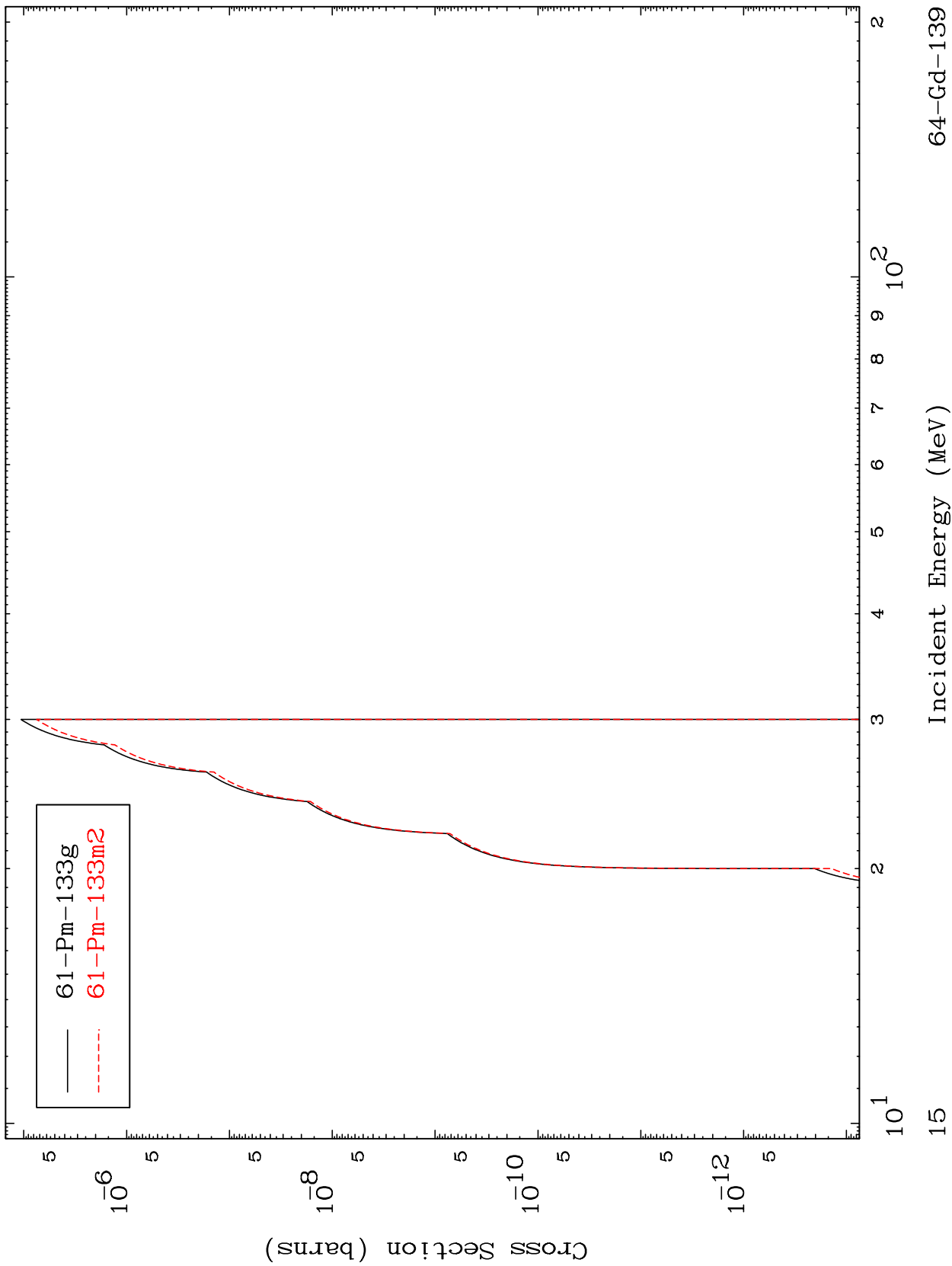
64-Gd-139

MAT 6386

(n,n') p  $\alpha$

64-Gd-139

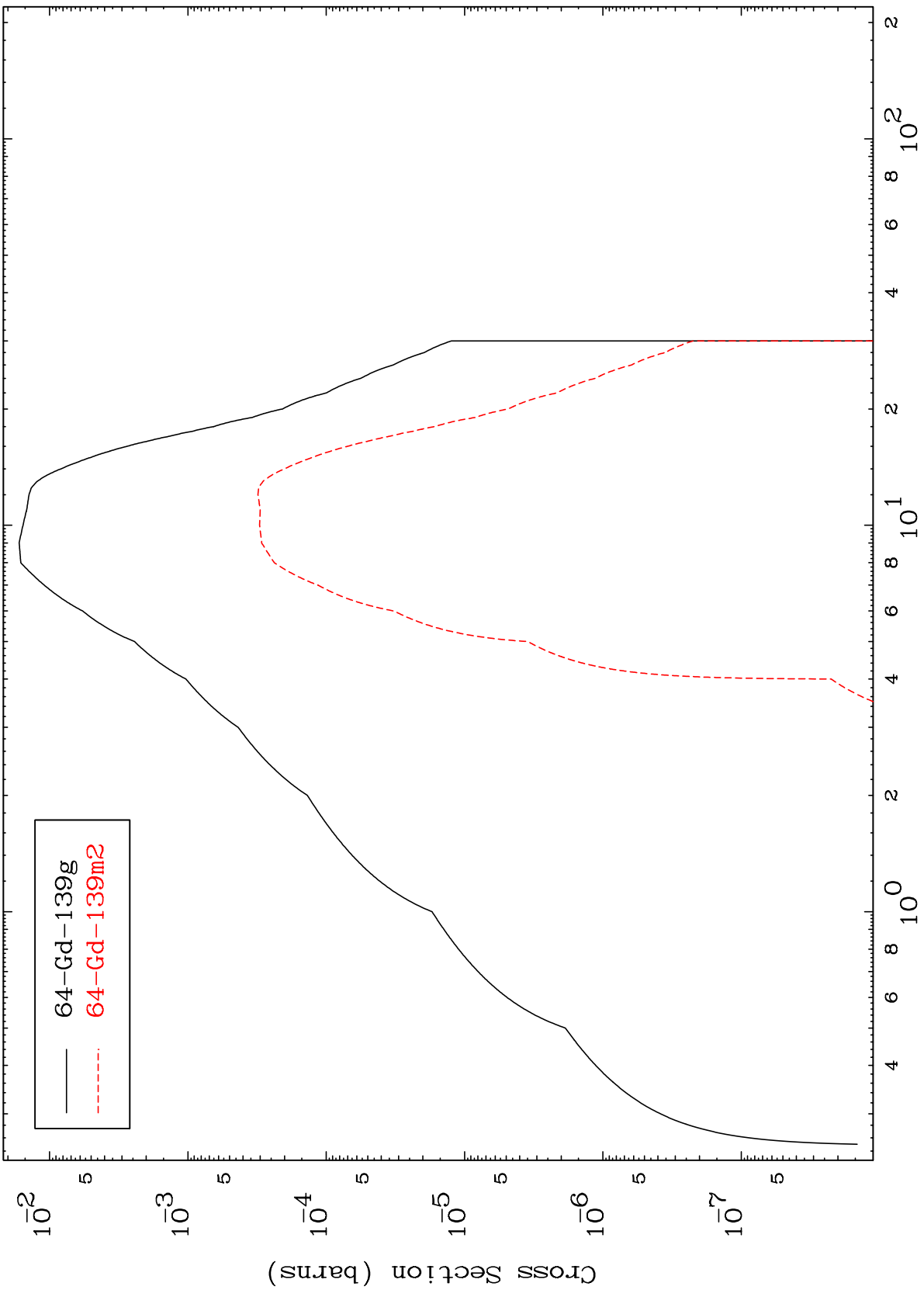
Radionuclide Production Cross Section



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64-Gd-139

(n,γ)  
Radionuclide Production Cross Section



16

Incident Energy (MeV)

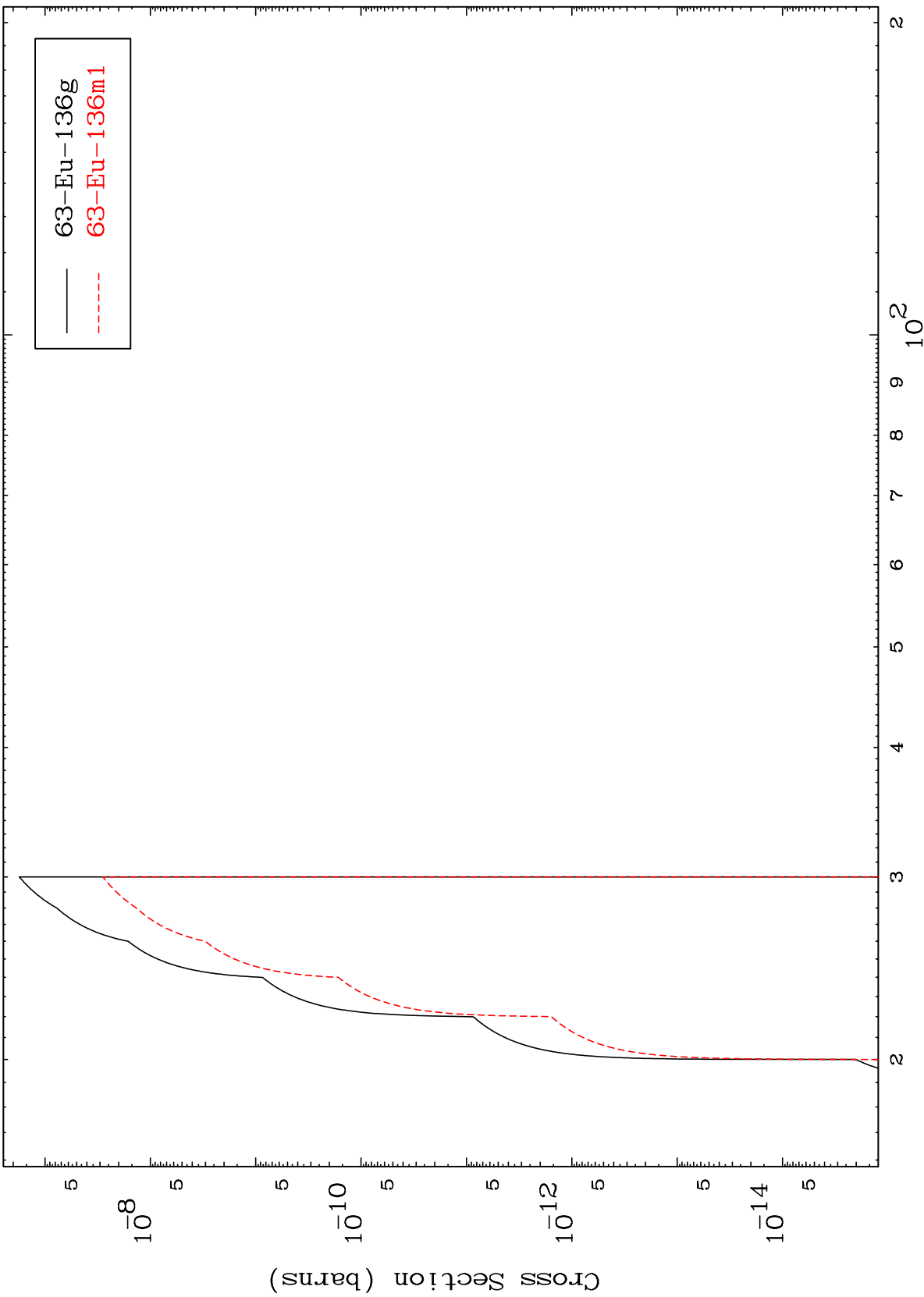
64-Gd-139

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(n, t)

64-Gd-139

Radionuclide Production Cross Section



17

Incident Energy (MeV)

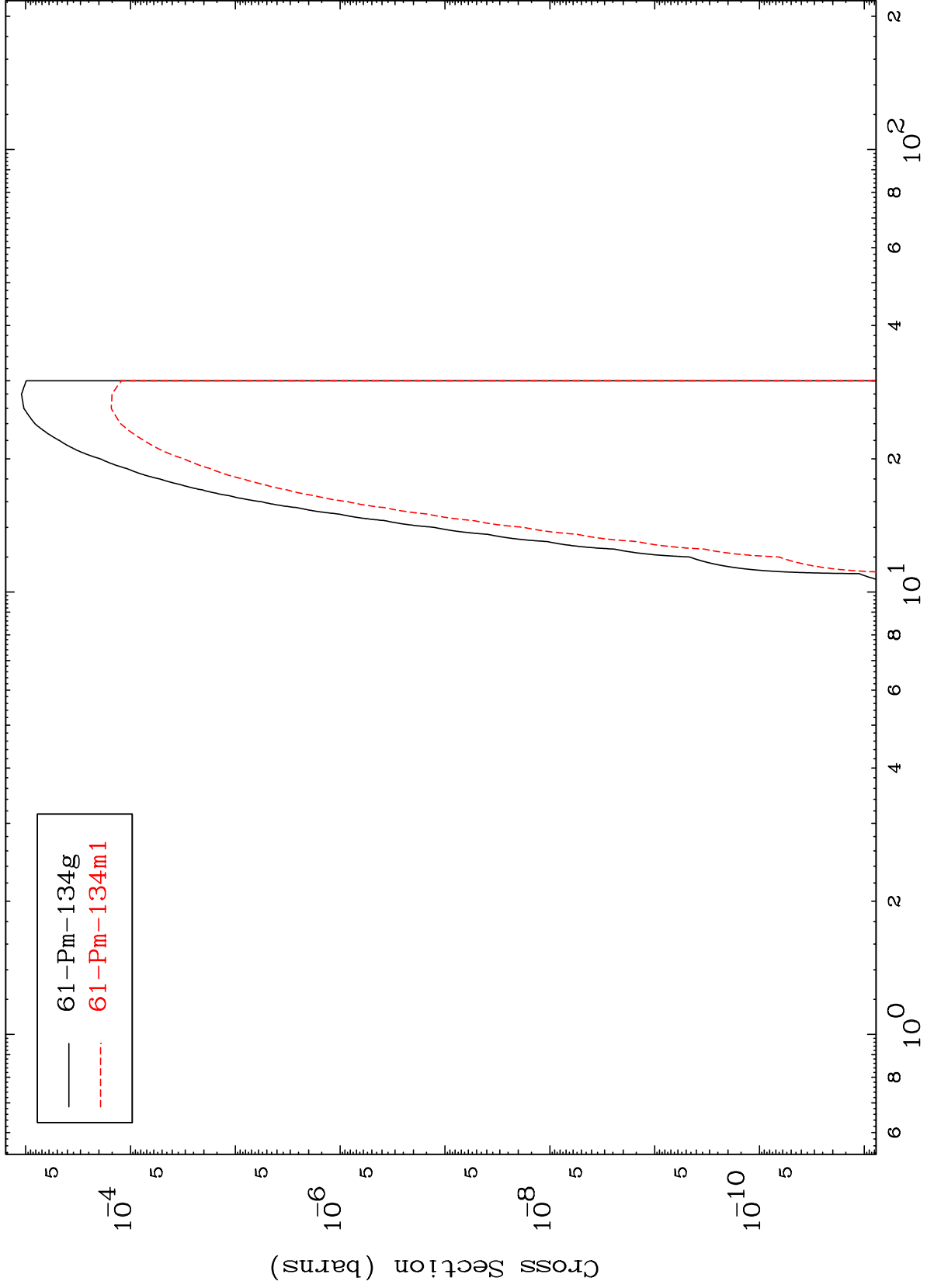
64-Gd-139

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(n,p)  $\alpha$

64-Gd-139

Radionuclide Production Cross Section



18

Incident Energy (MeV)

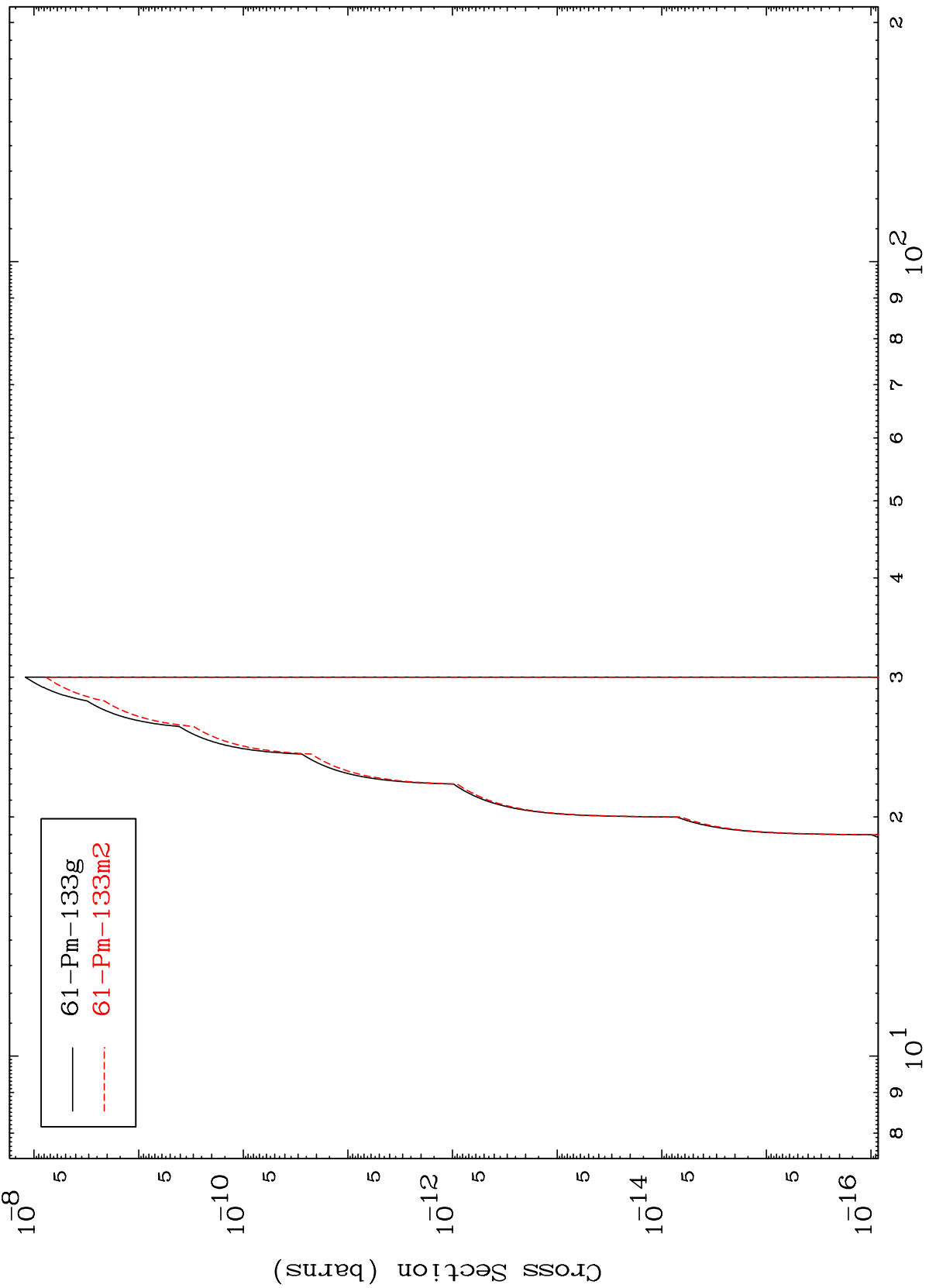
64-Gd-139

MAT 6386

(n,d)  $\alpha$

64-Gd-139

Radionuclide Production Cross Section



61-Pm-133g  
61-Pm-133m2

19

Incident Energy (MeV)

64-Gd-139