

Program EVALPLOT  
(Version 2021-1)

by

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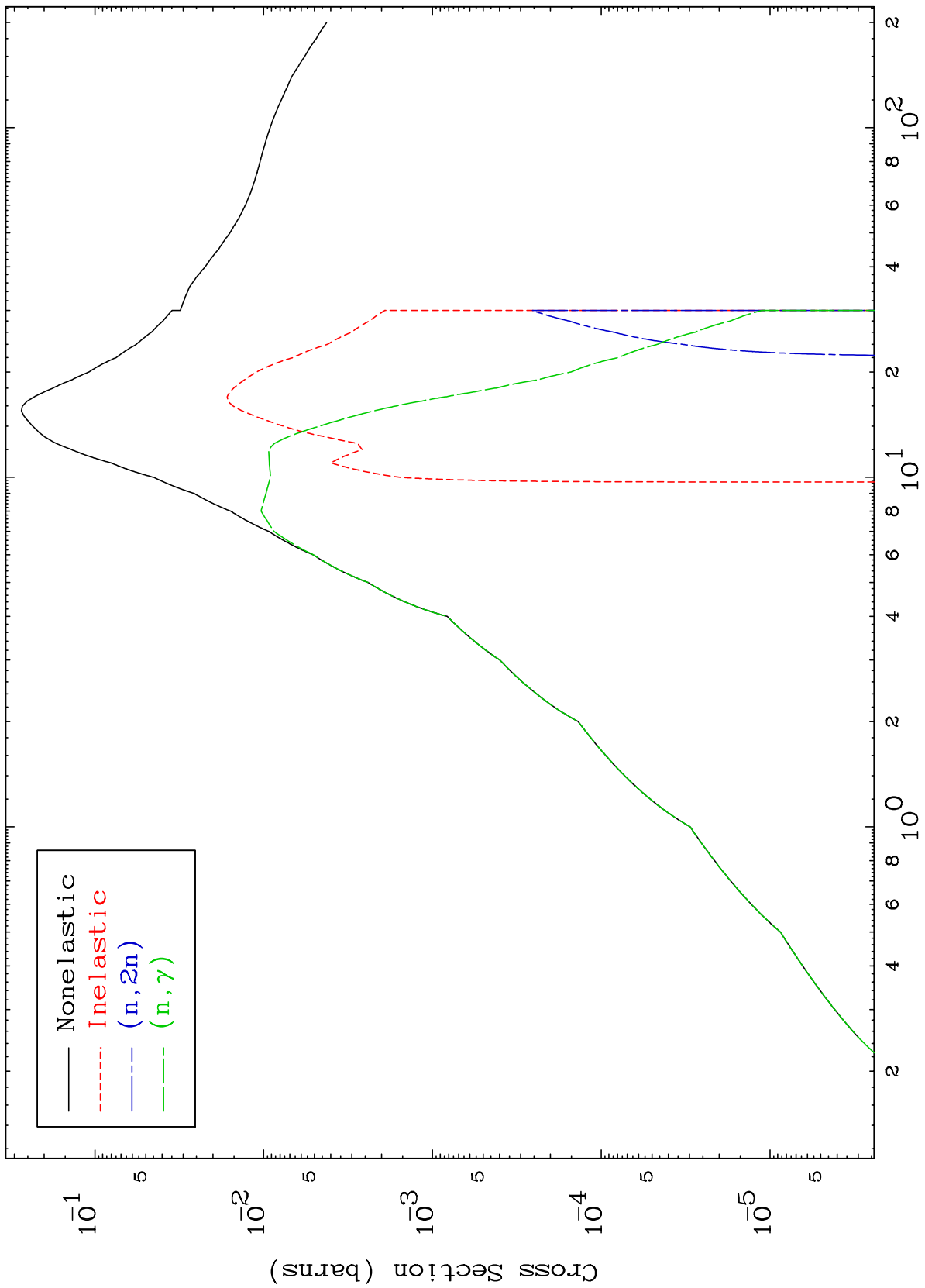
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6387

Photon Major  
0 Kelvin Cross Sections

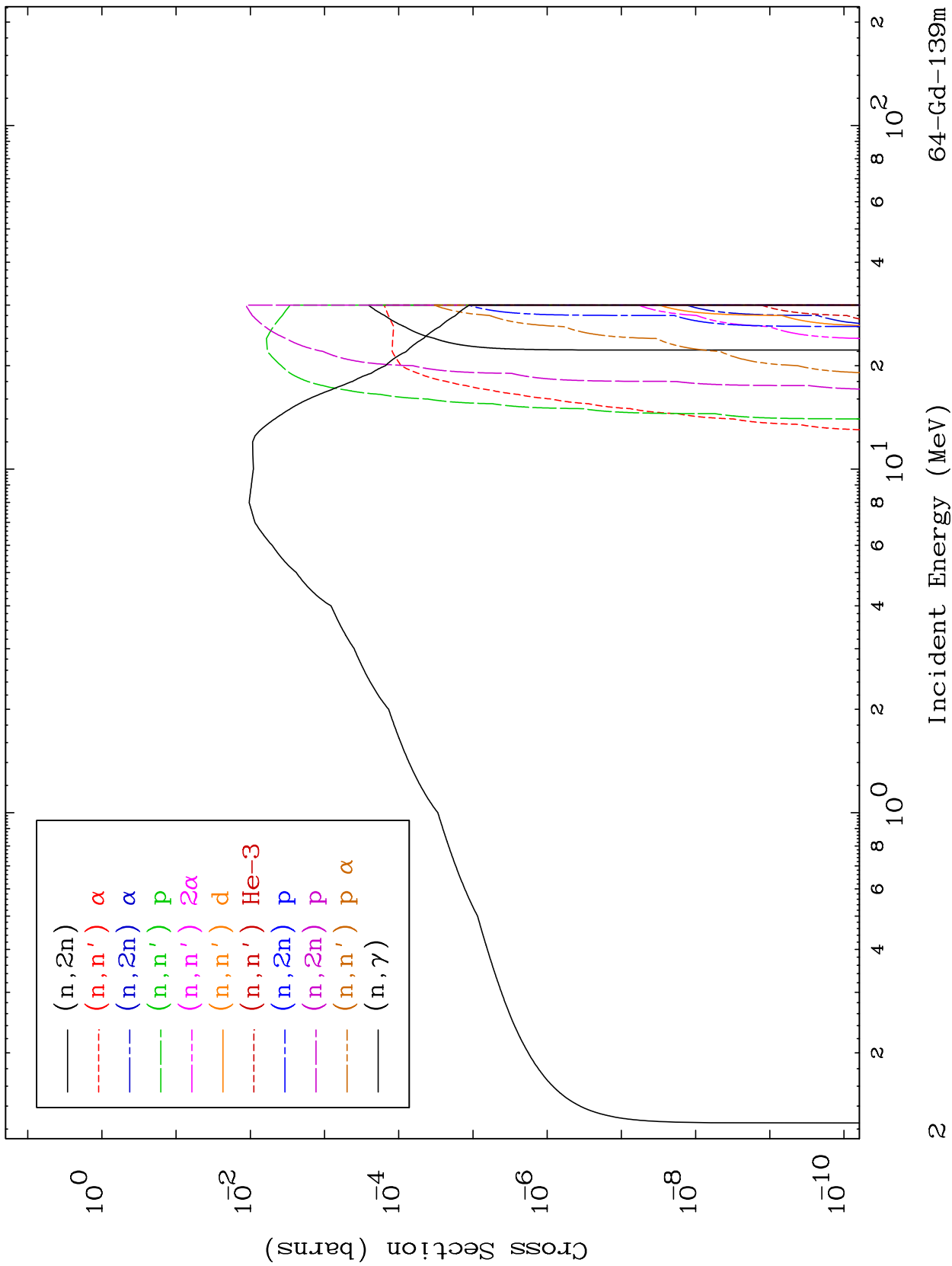
64-Gd-139m

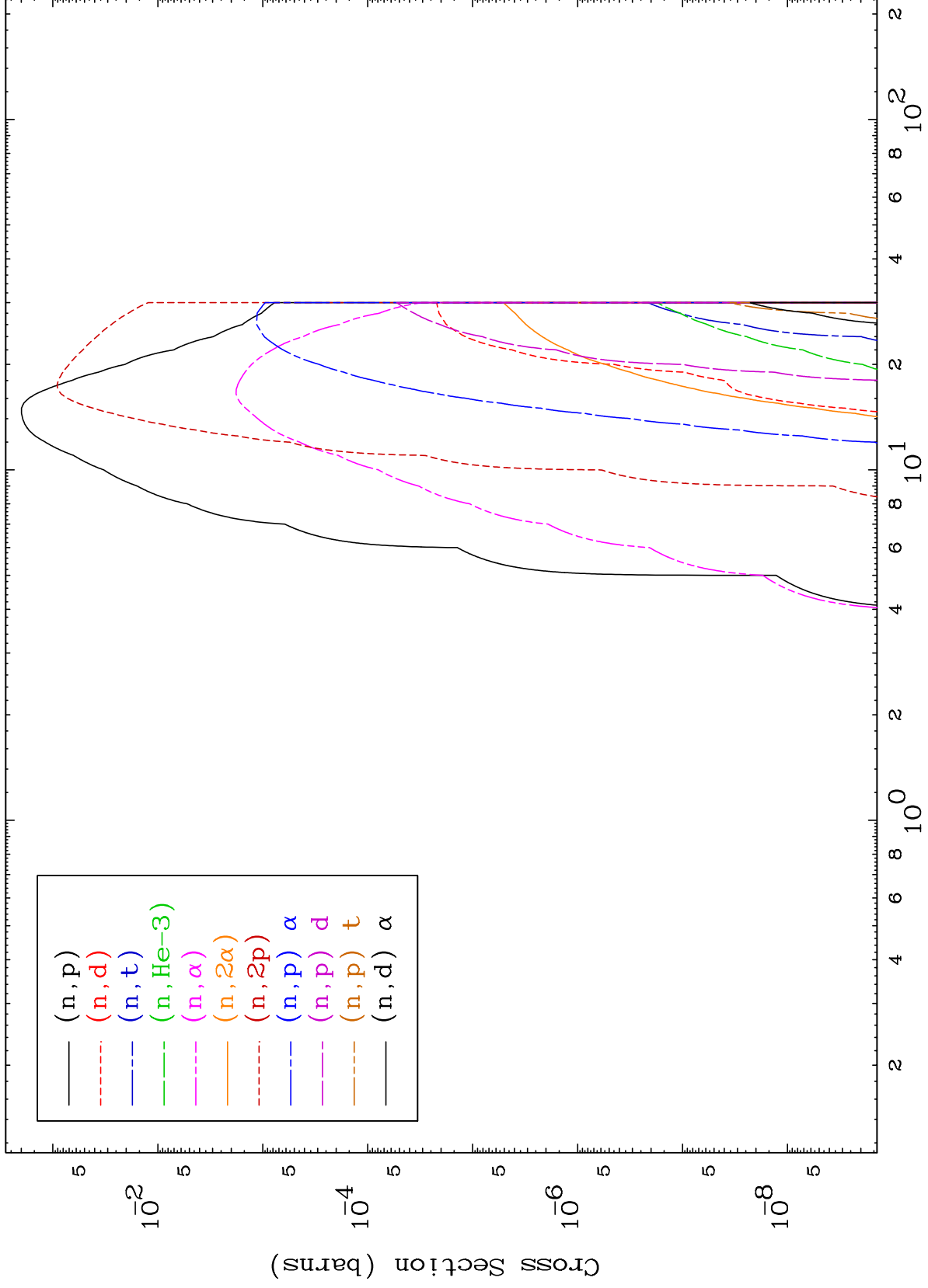


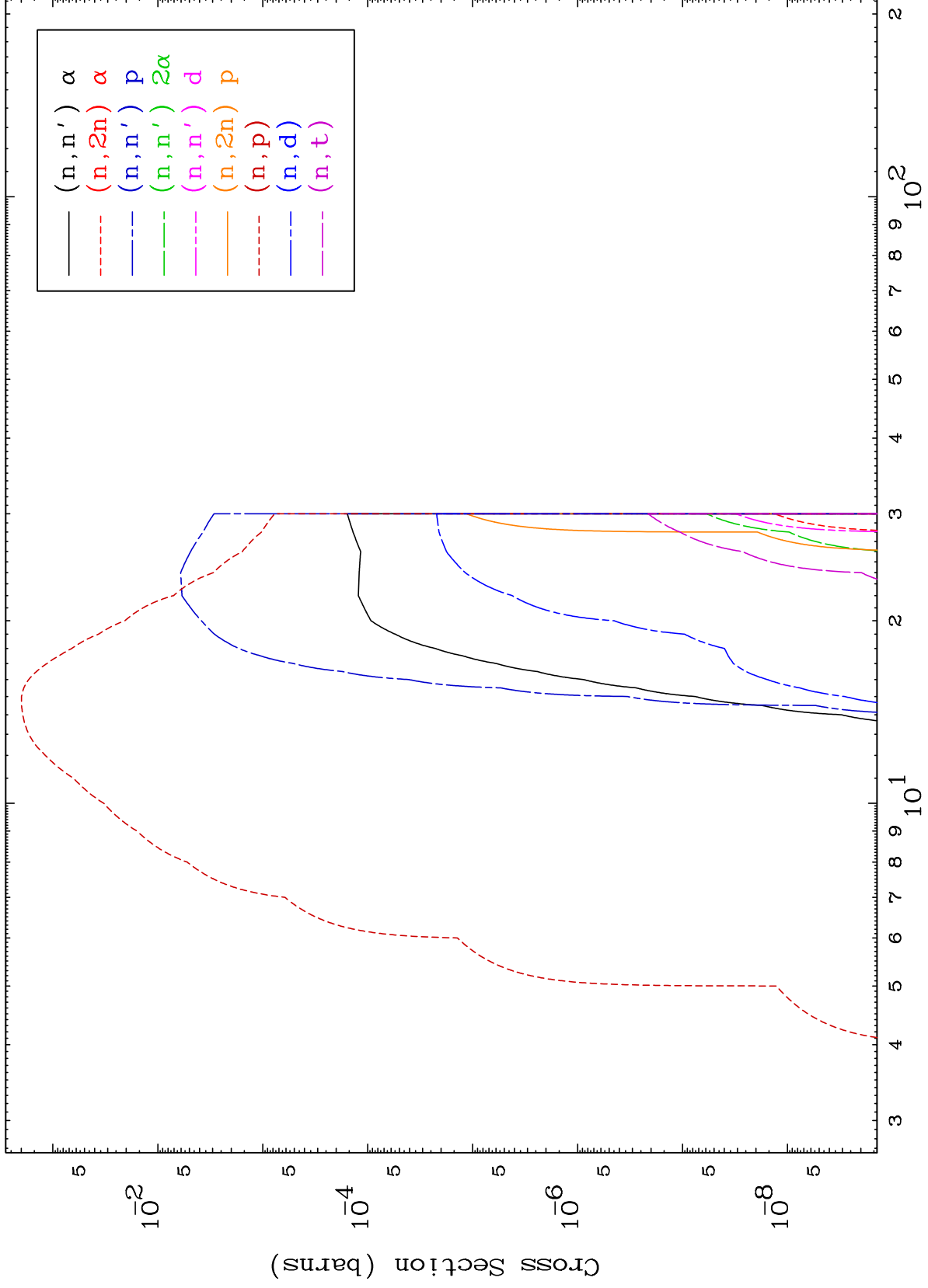
MAT 6387

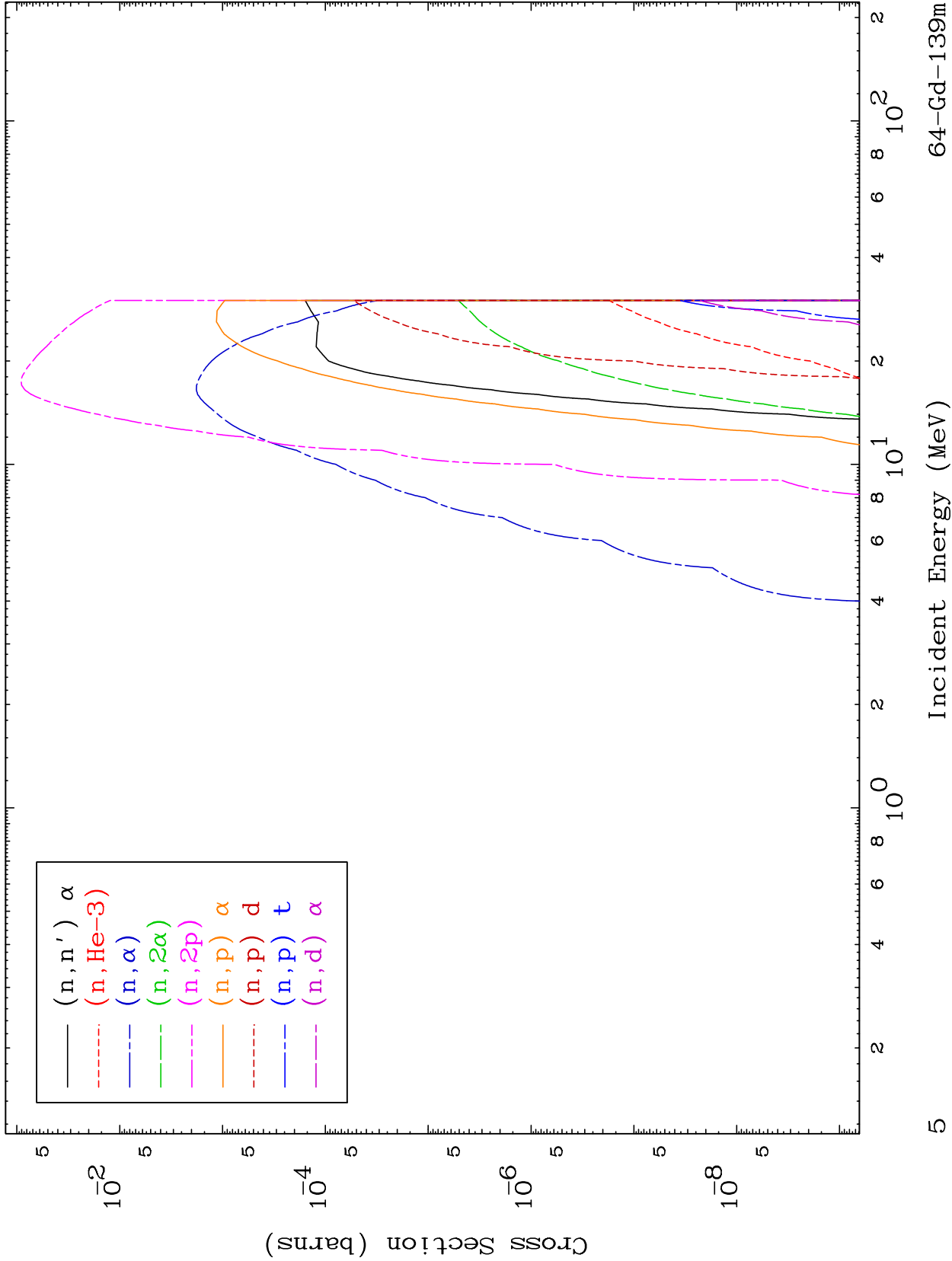
Photon Neutron Absorption  
0 Kelvin Cross Sections

64-Gd-139m







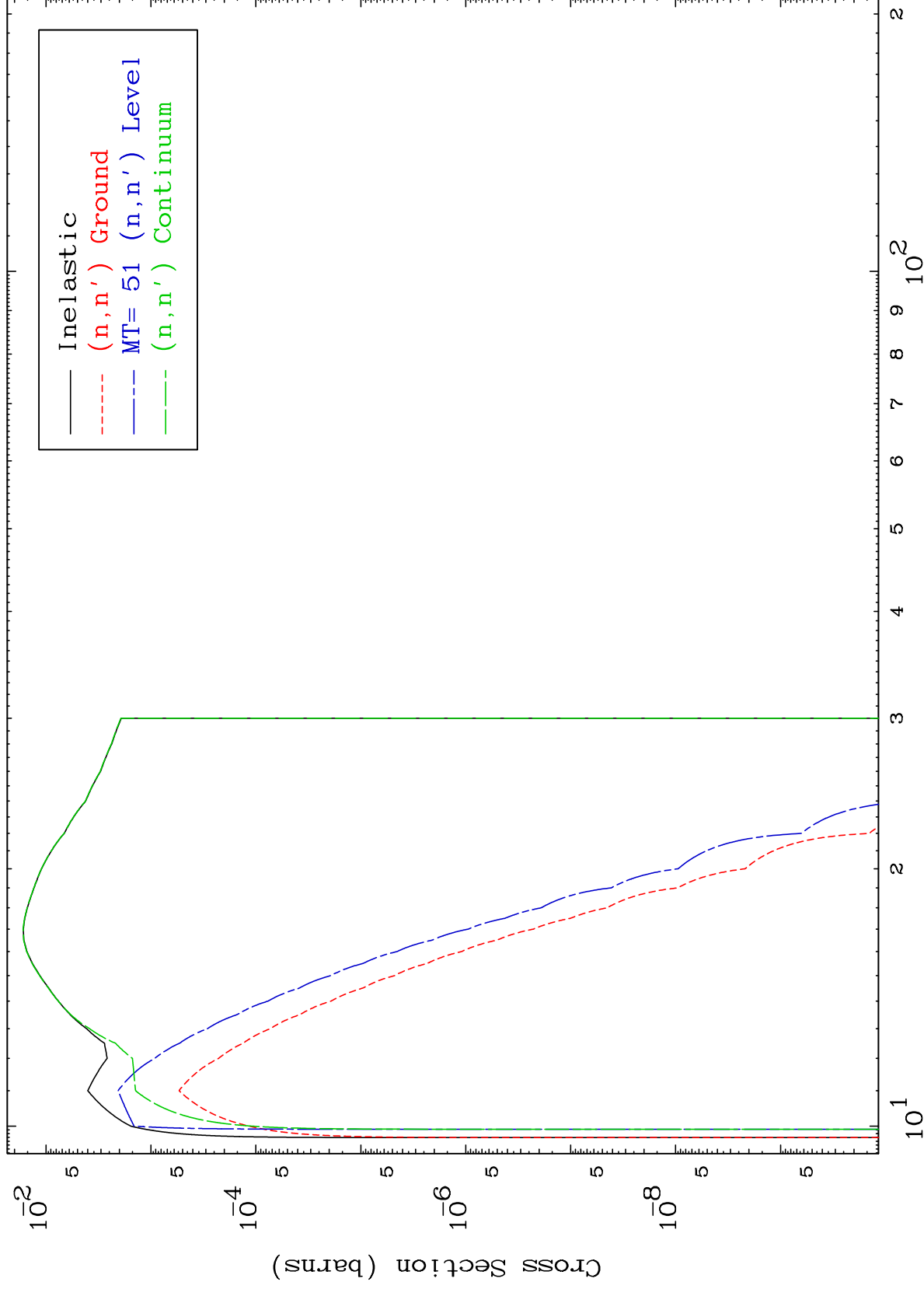


MAT 6387

( $\gamma, n'$ ) Levels

64-Gd-139m

0 Kelvin Cross Sections



Incident Energy (MeV)

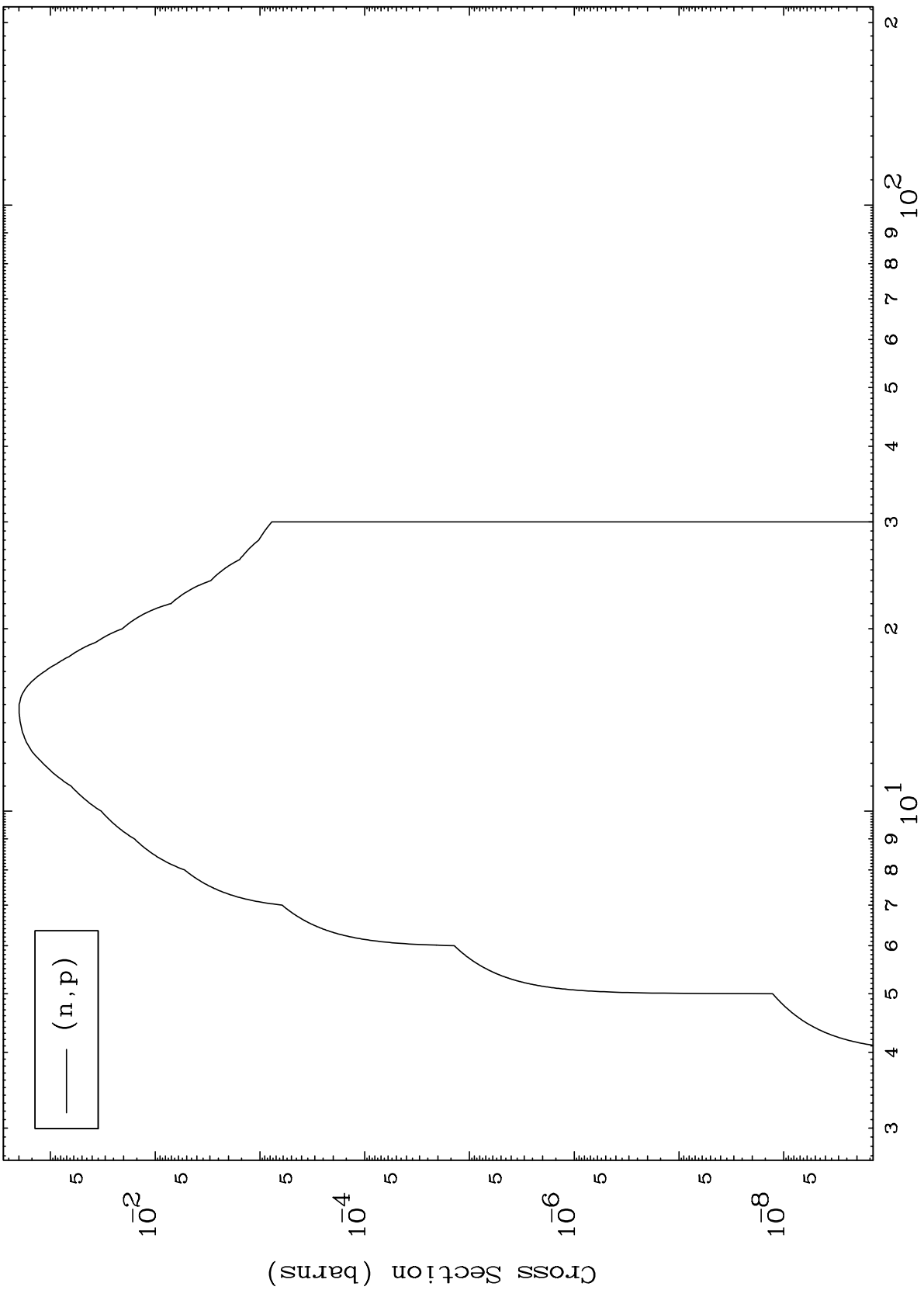
64-Gd-139m

MAT 6387

( $\gamma, p$ ) Levels

64-Gd-139m

0 Kelvin Cross Sections



(n, p)

64-Gd-139m

Incident Energy (MeV)

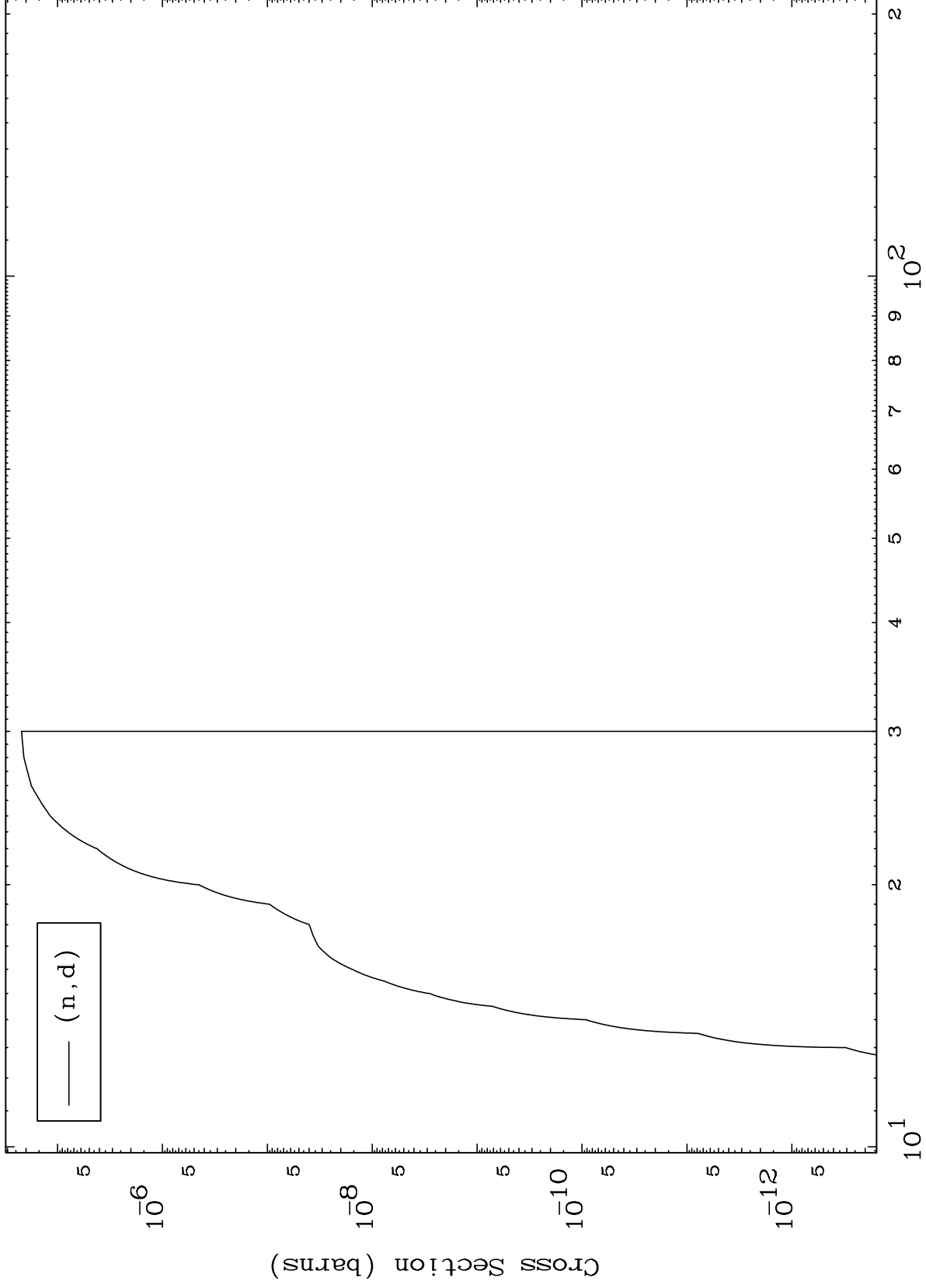
7



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

64-Gd-139m



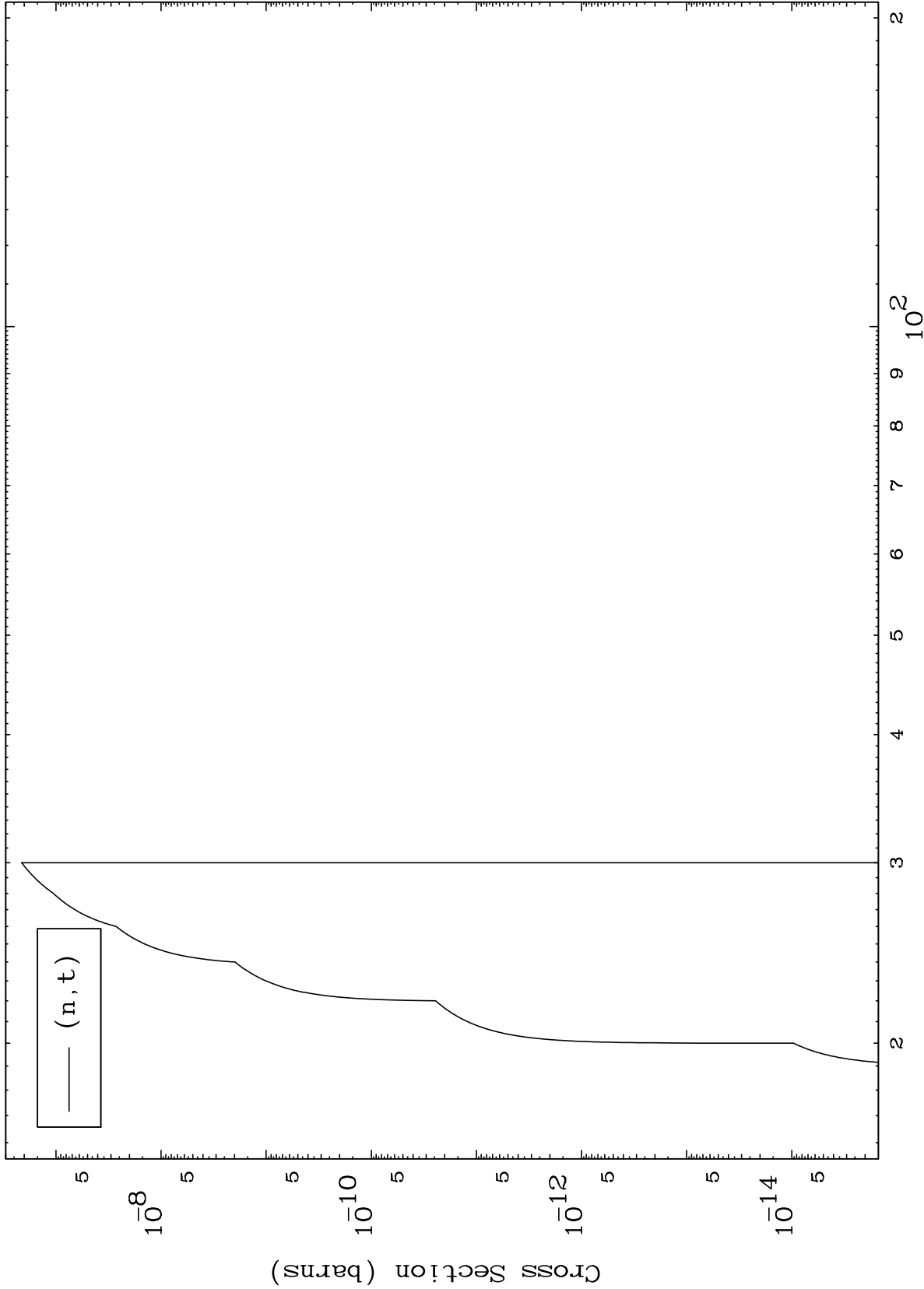
Incident Energy (MeV)

64-Gd-139m

MAT 6387

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

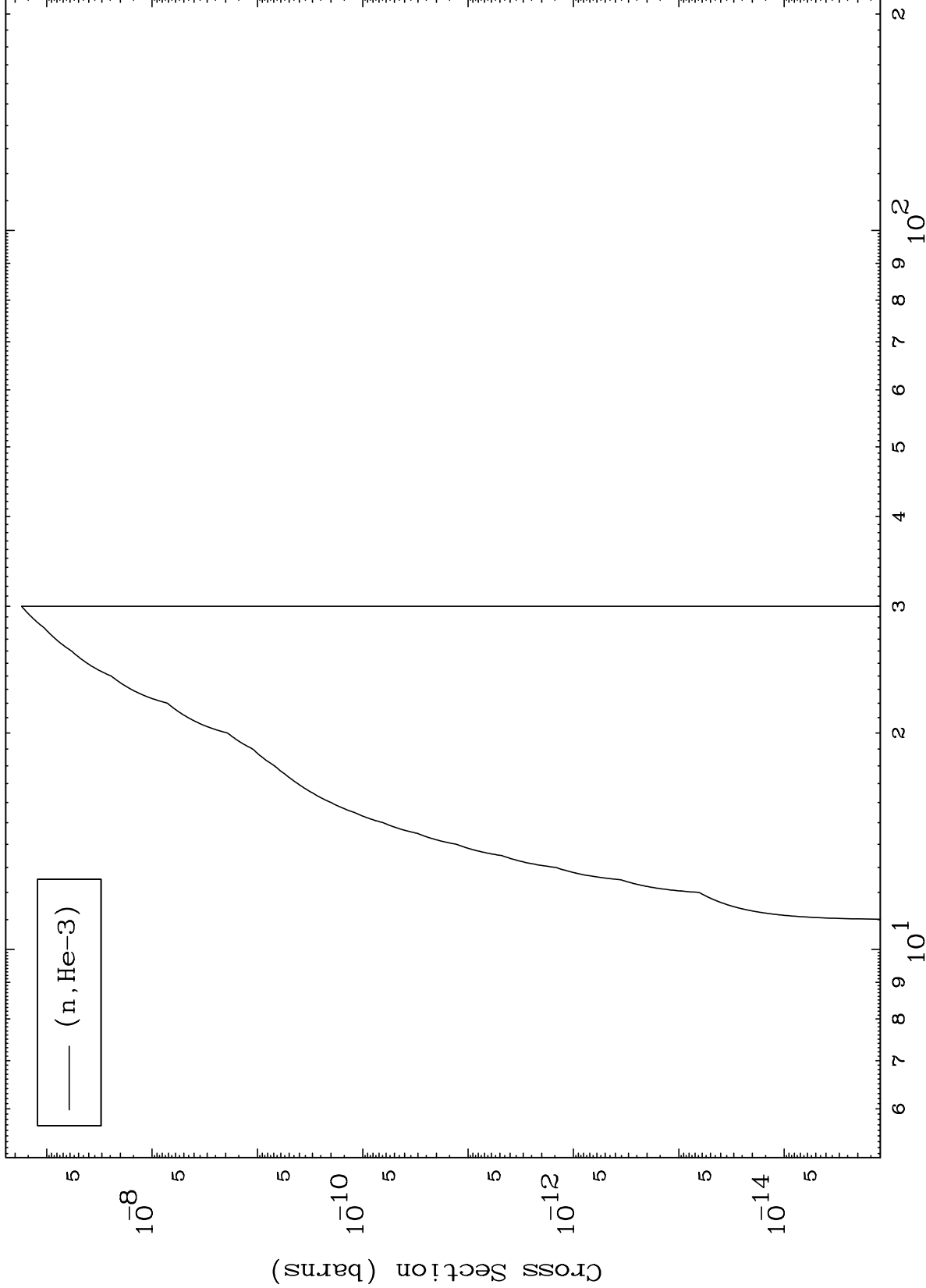
64-Gd-139m



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

64-Gd-139m



(n, He-3)

10

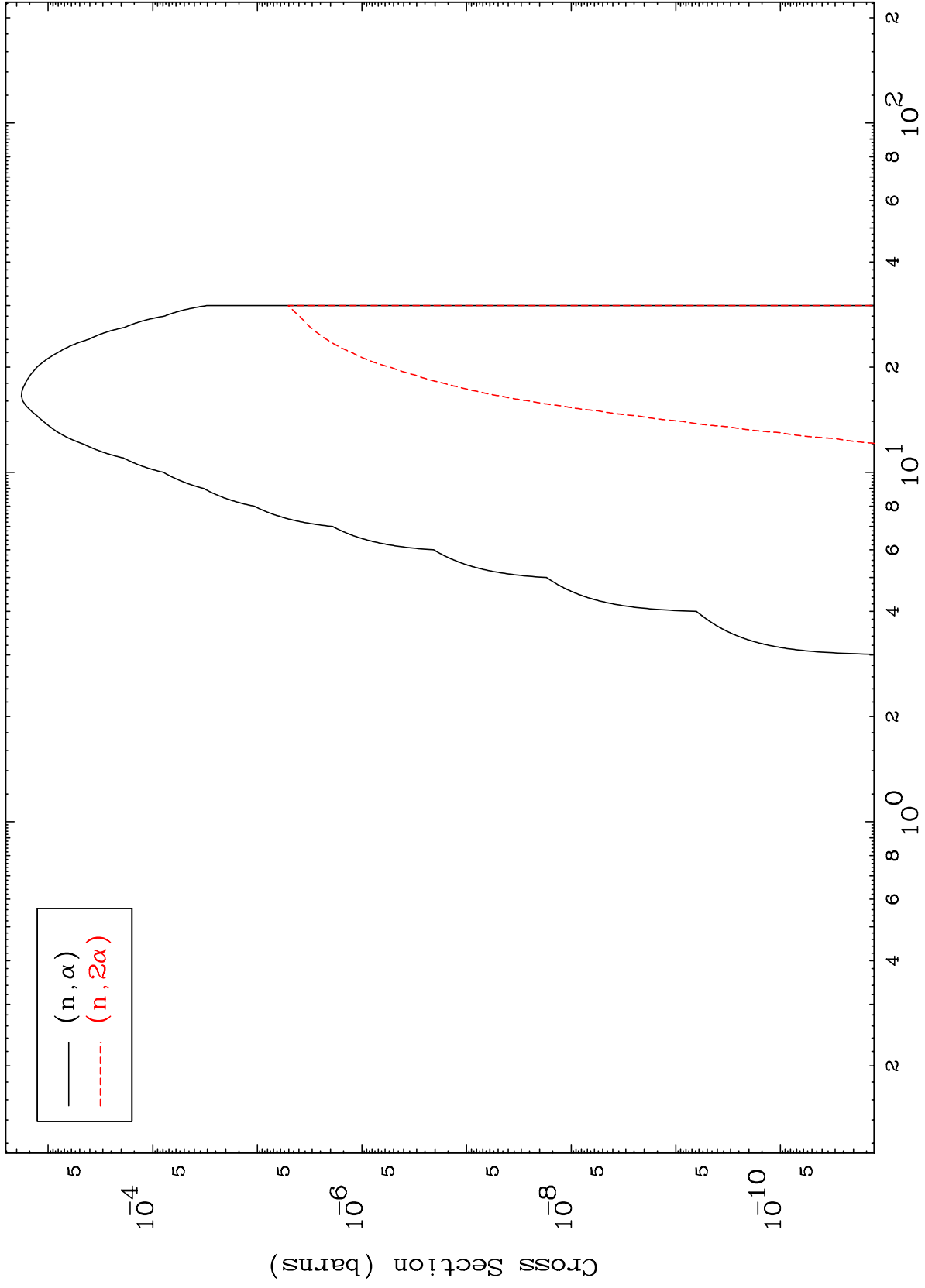
Incident Energy (MeV)

64-Gd-139m

MAT 6387

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

64-Gd-139m

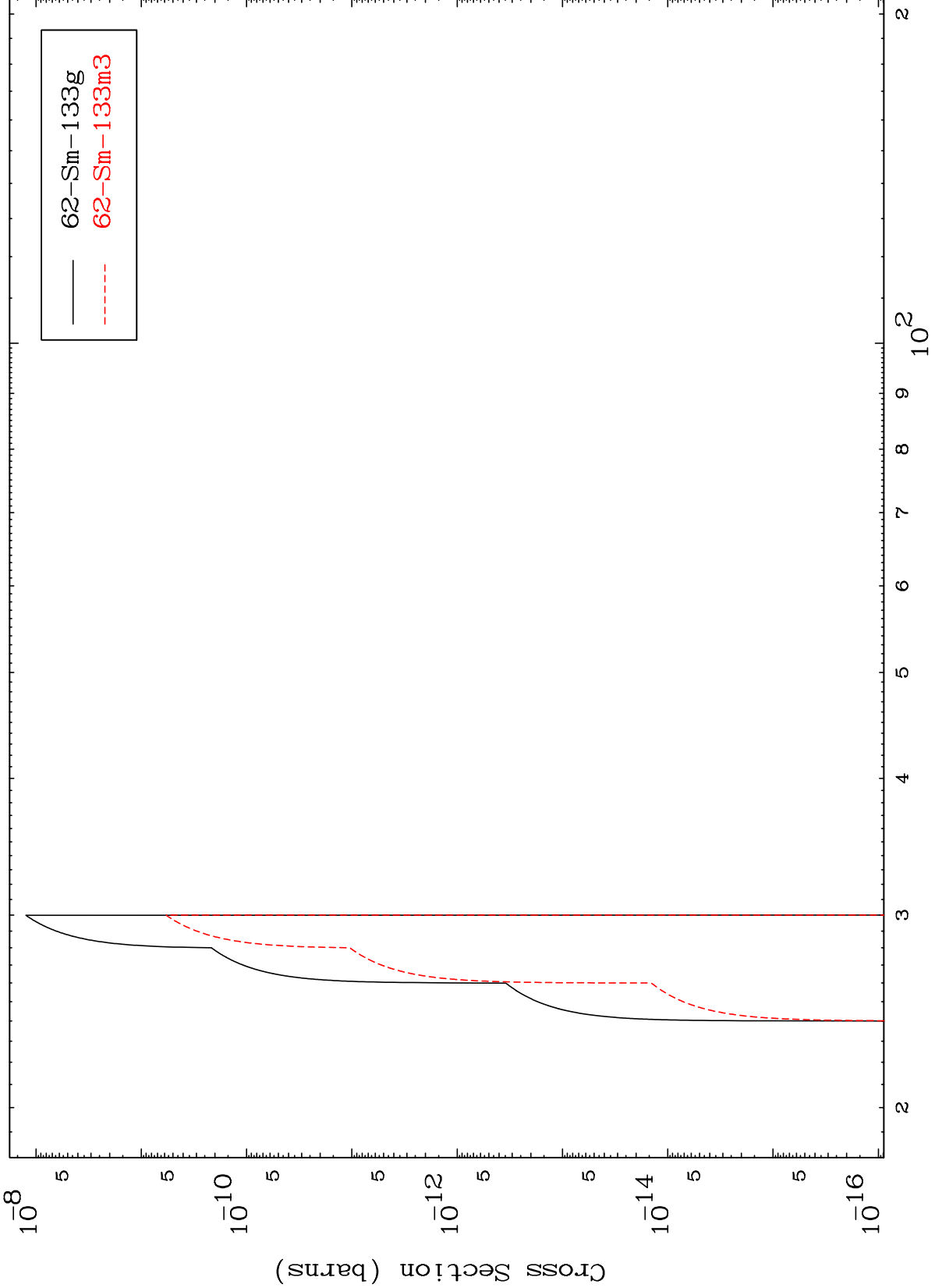


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(n,2n)  $\alpha$

64-Gd-139m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

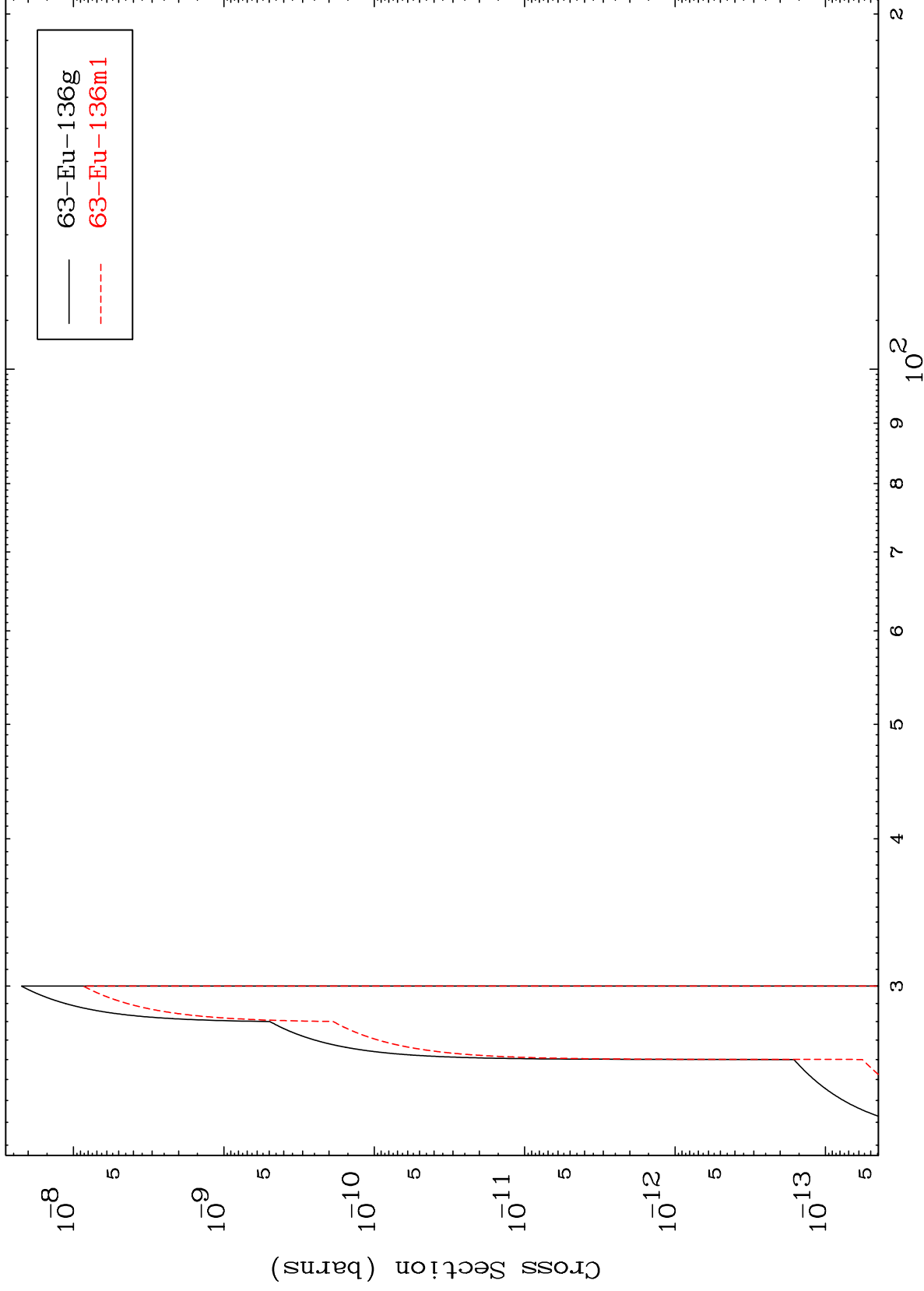
64-Gd-139m

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(n,n') d

64-Gd-139m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

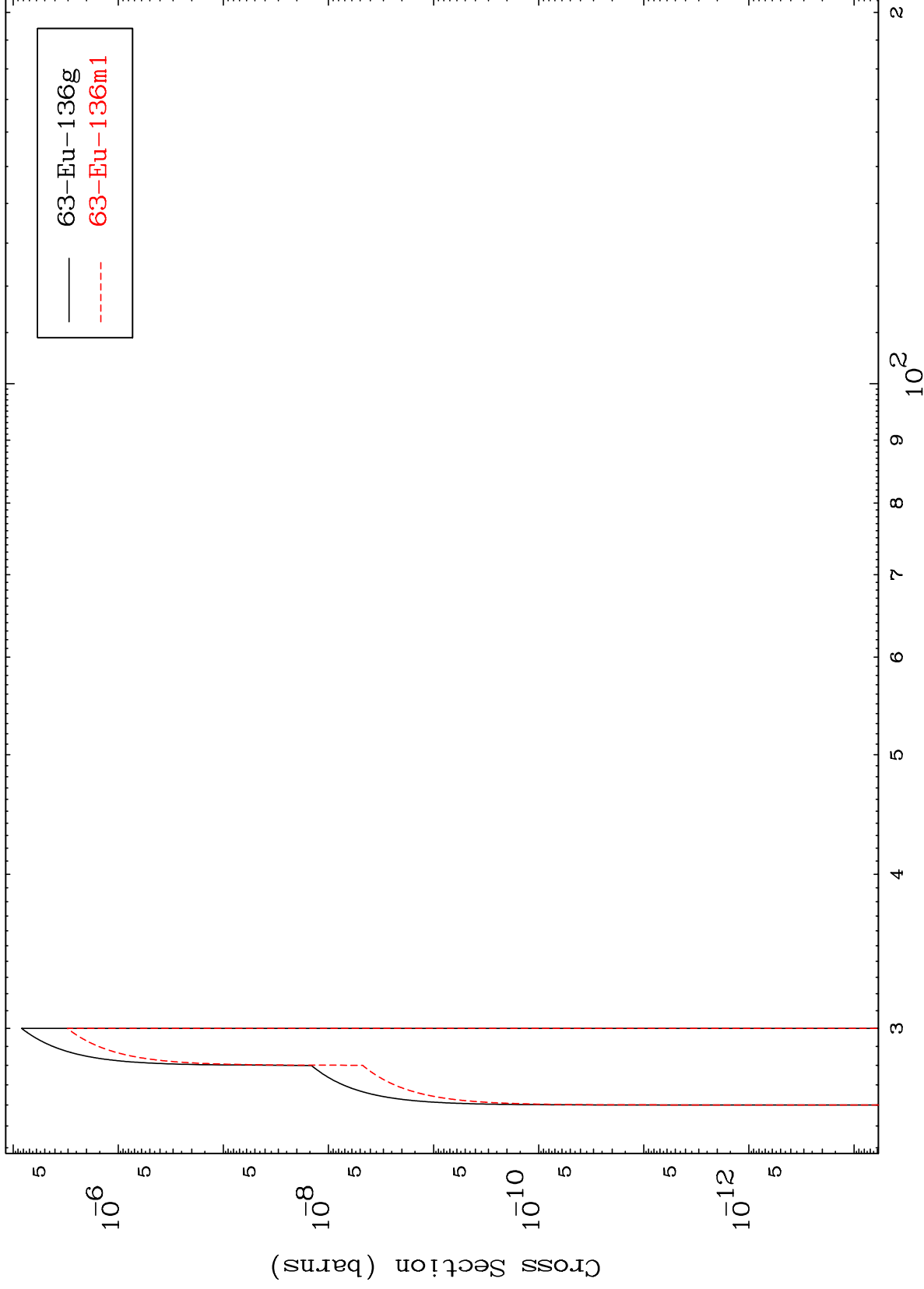
64-Gd-139m

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(n,2n) p

64-Gd-139m

Radionuclide Production Cross Section



14

Incident Energy (MeV)

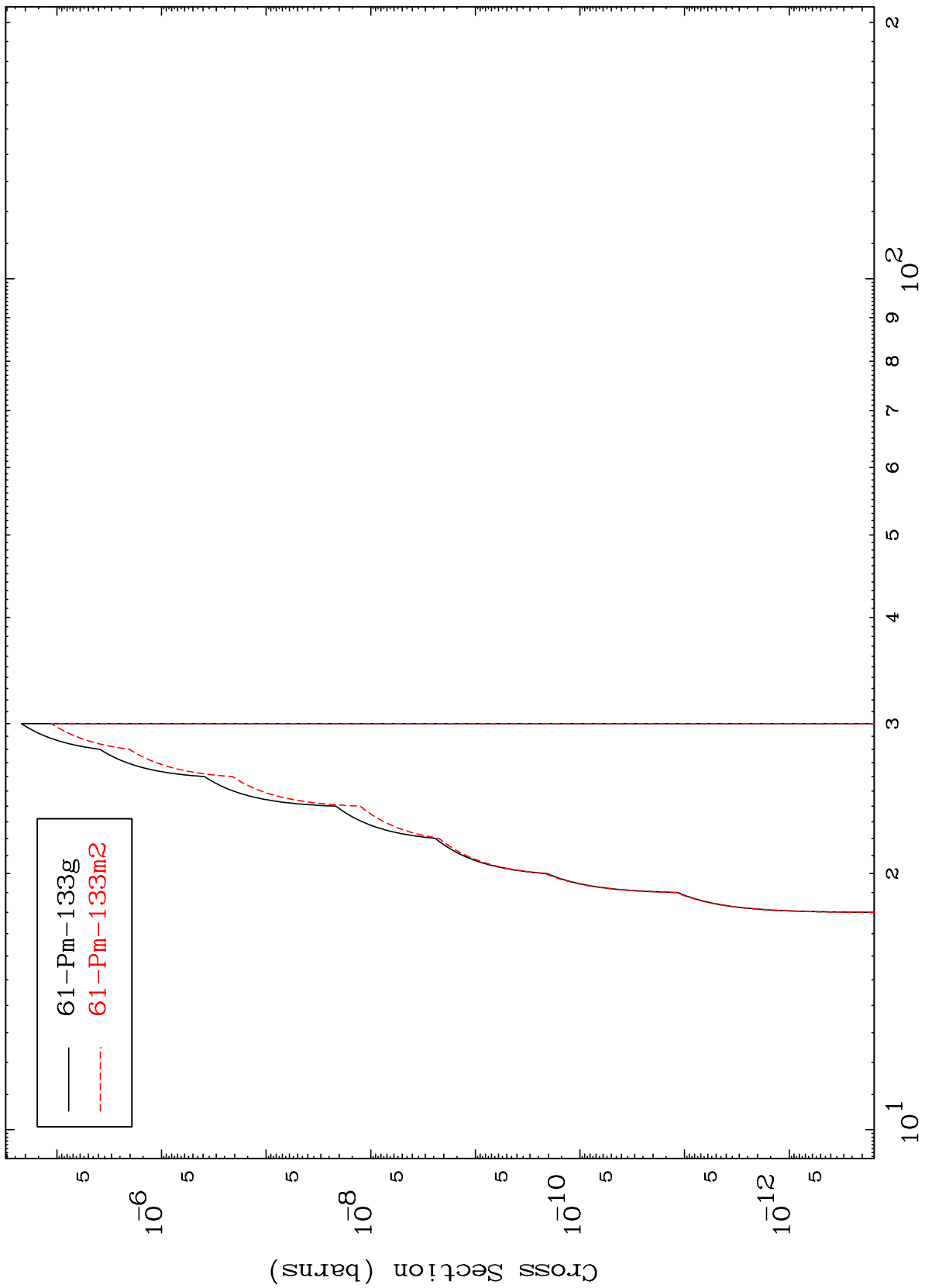
64-Gd-139m

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(n,n') p  $\alpha$

64-Gd-139m

Radionuclide Production Cross Section



Incident Energy (MeV)

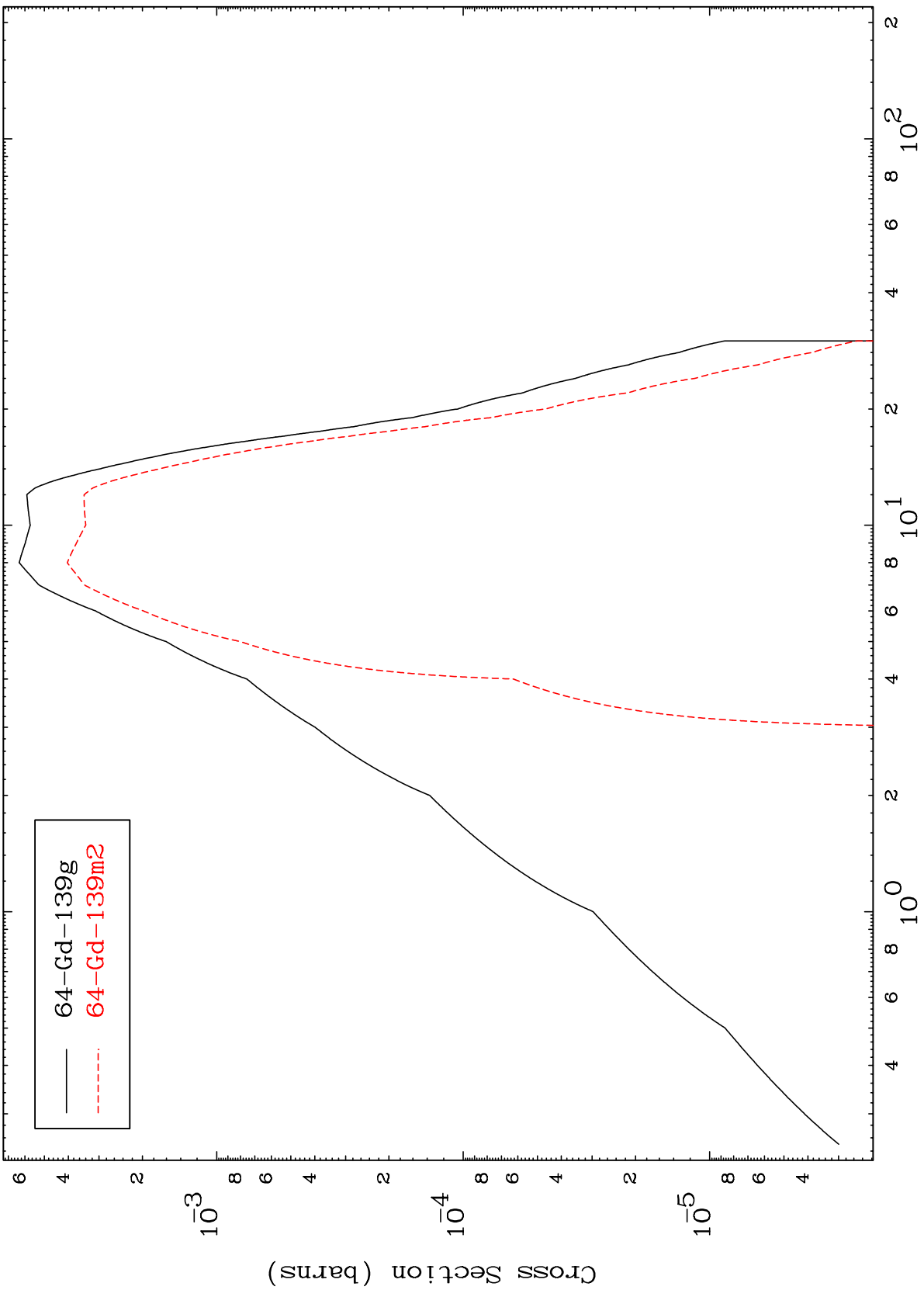
64-Gd-139m



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64-Gd-139m

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



64-Gd-139g  
64-Gd-139m2

64-Gd-139m

Incident Energy (MeV)

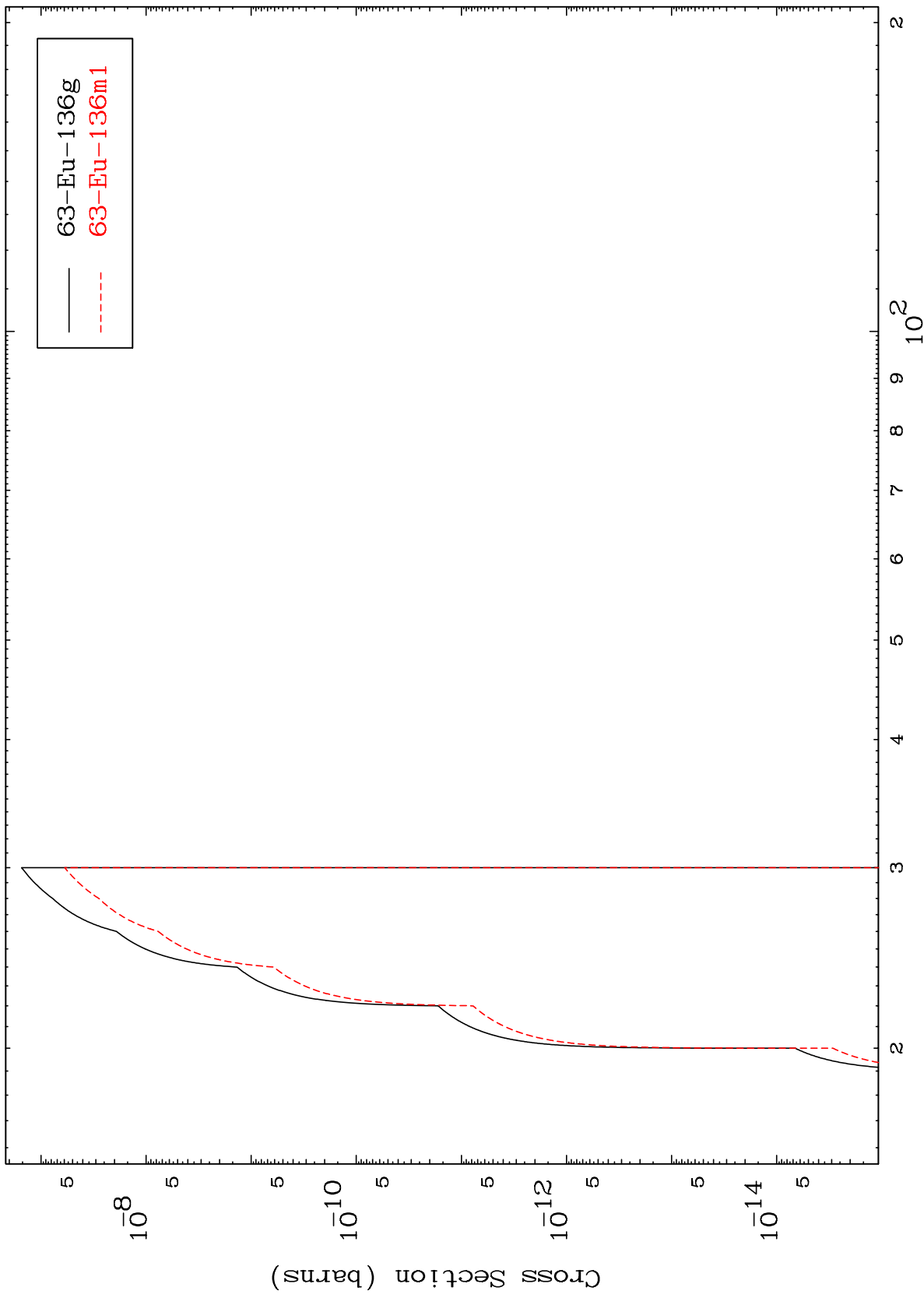
16

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(n, t)

64-Gd-139m

Radionuclide Production Cross Section



17

Incident Energy (MeV)

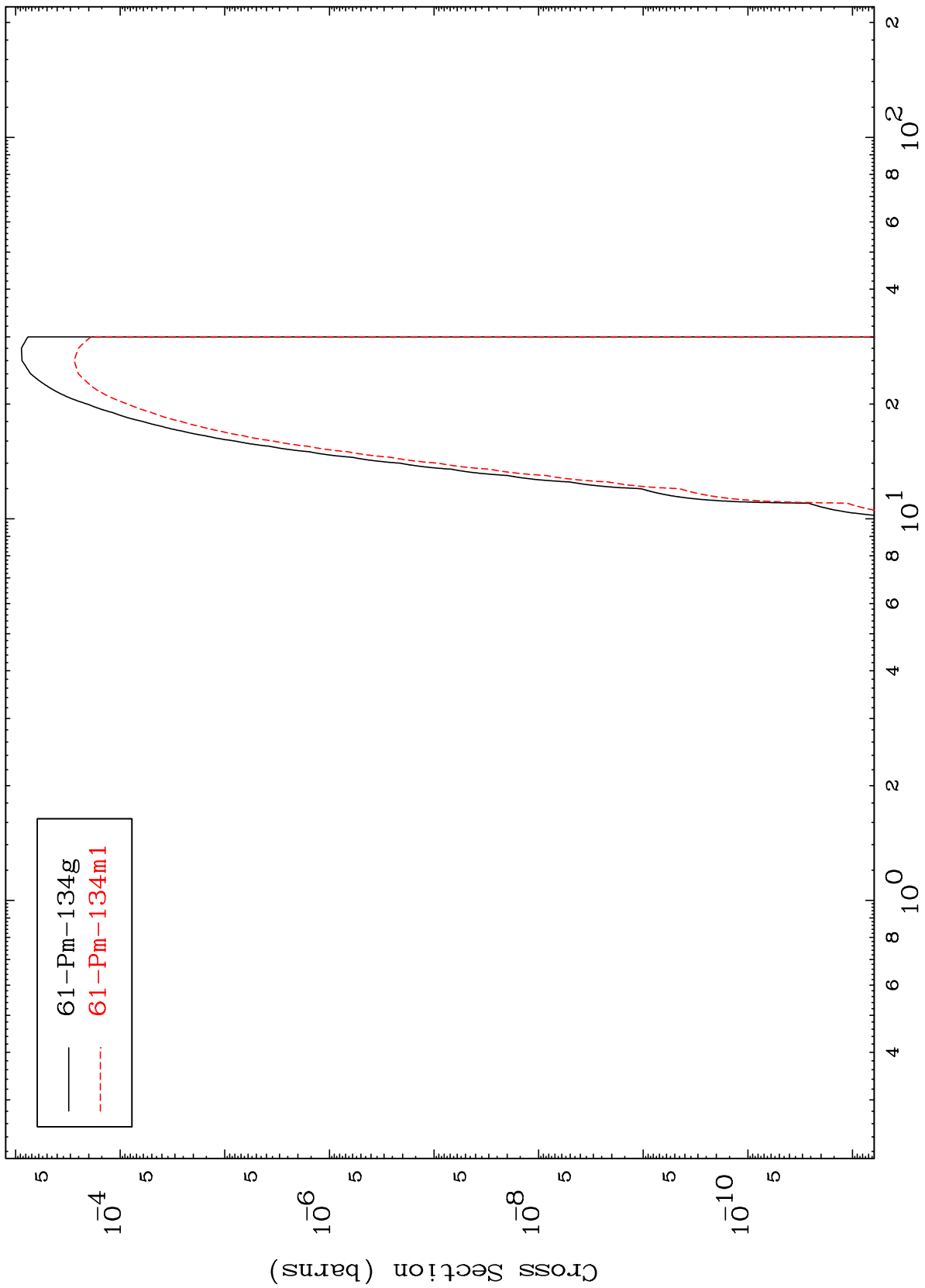
64-Gd-139m

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(n,p)  $\alpha$

64-Gd-139m

Radionuclide Production Cross Section

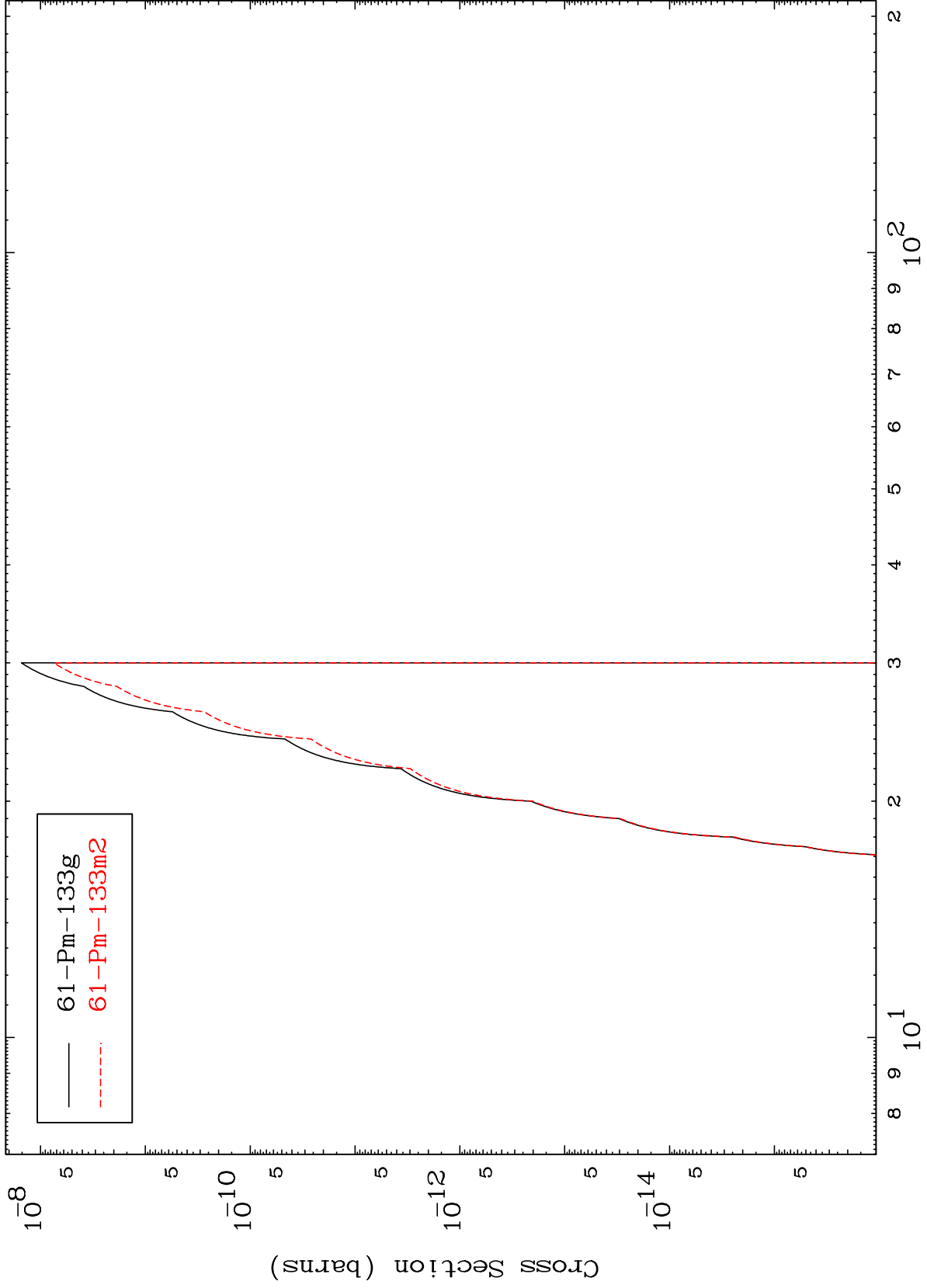


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(n,d)  $\alpha$

64-Gd-139m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

64-Gd-139m