

Program EVALPLOT  
(Version 2018-1)

by

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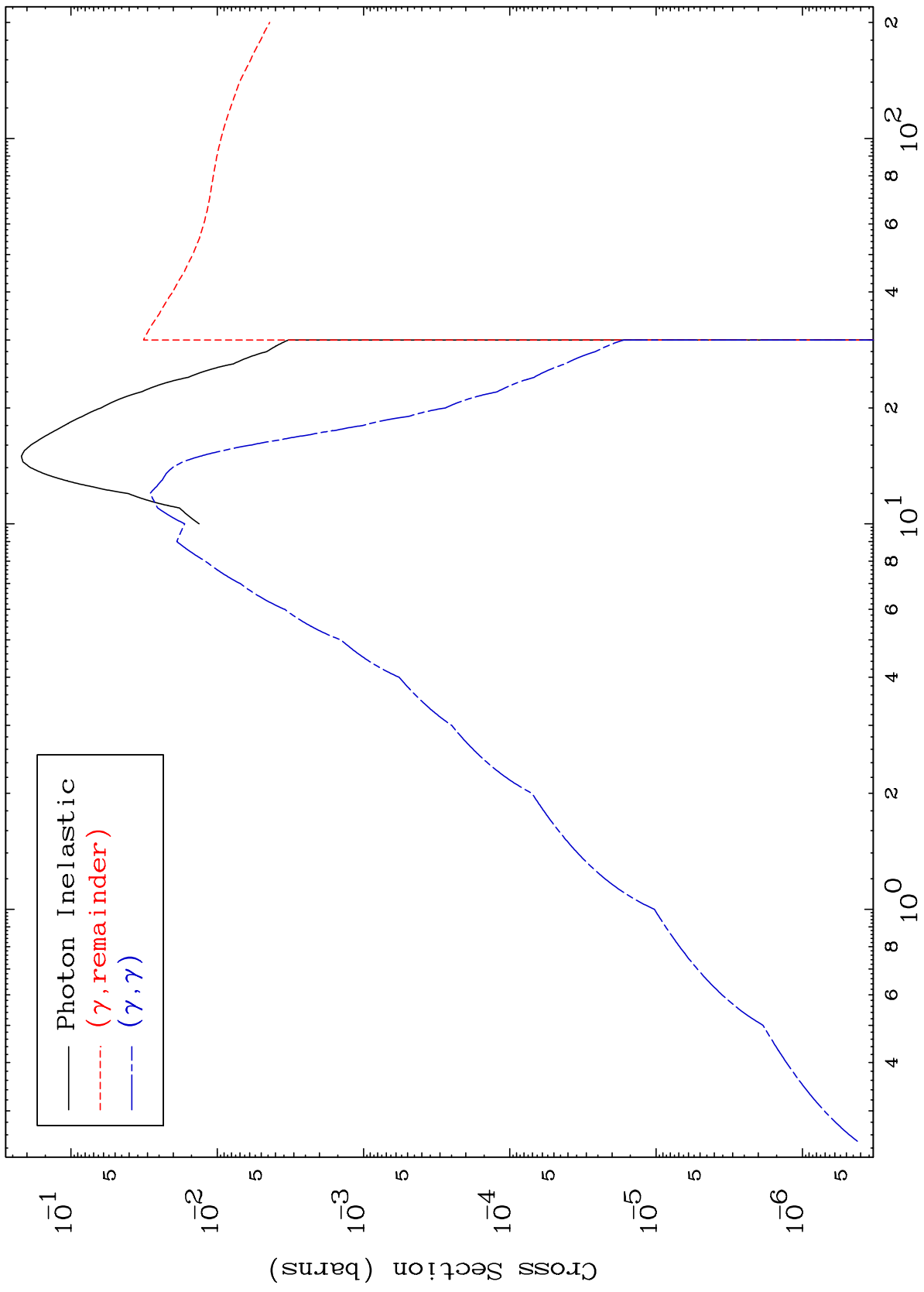
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6404

Photon Major  
0 Kelvin Cross Sections

64-Gd-145

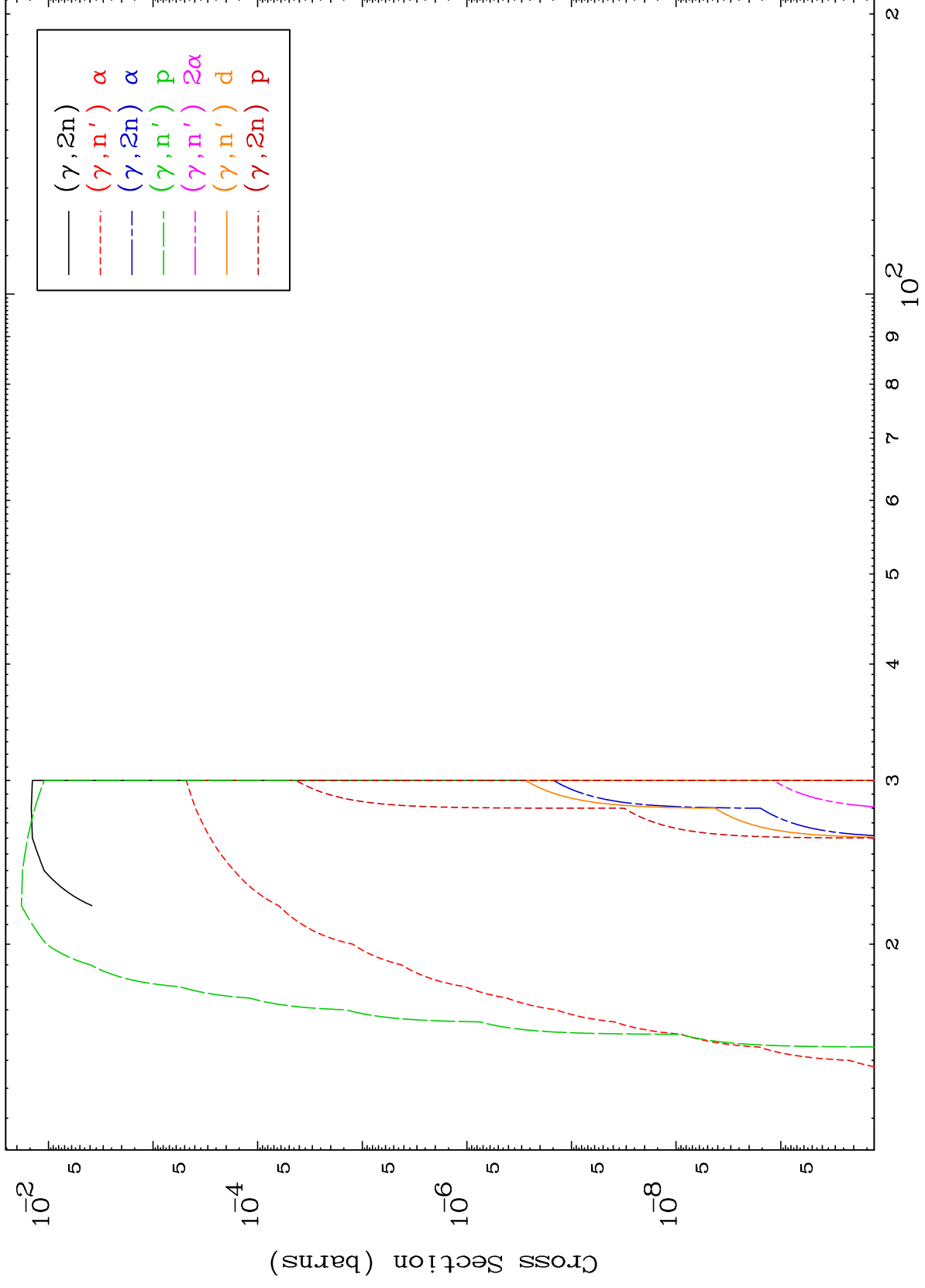


— Photon Inelastic  
- - - ( $\gamma$ , remainder)  
- · - ( $\gamma$ ,  $\gamma$ )

1

Incident Energy (MeV)

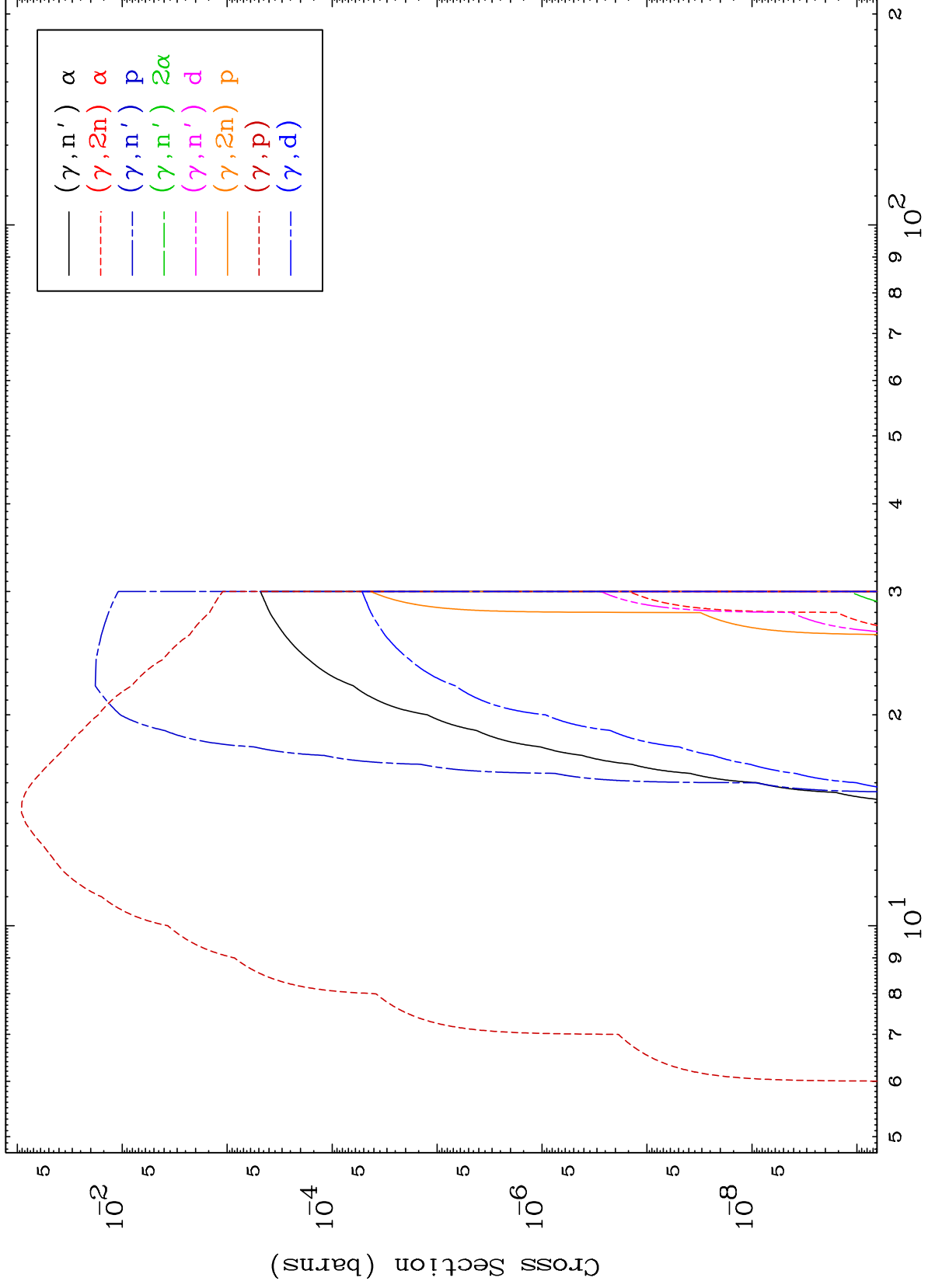
64-Gd-145



MAT 6404

Photon Charged Particle  
0 Kelvin Cross Sections

64-Gd-145



64-Gd-145

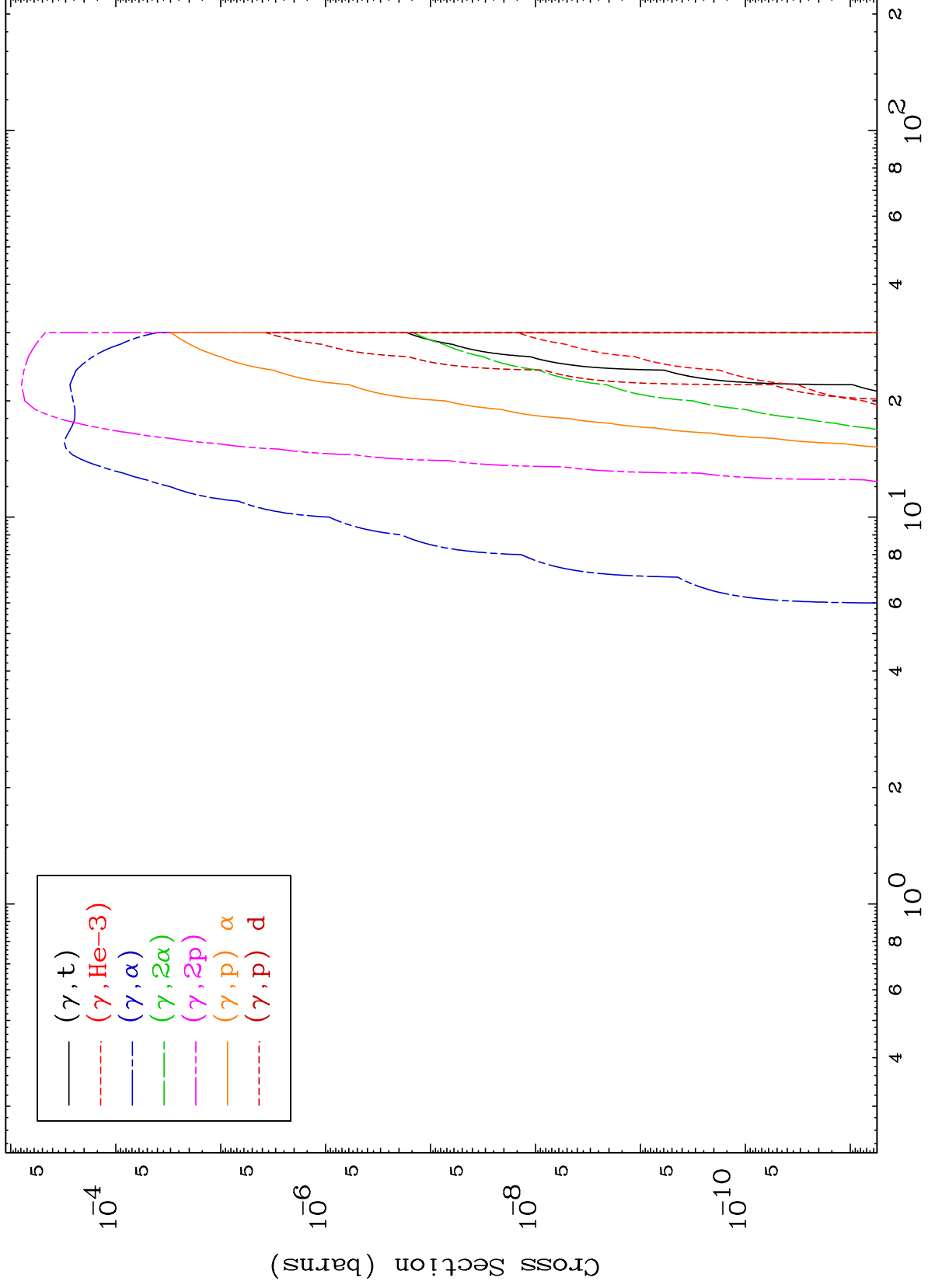
Incident Energy (MeV)

3

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Photon Charged Particle  
0 Kelvin Cross Sections

64-Gd-145

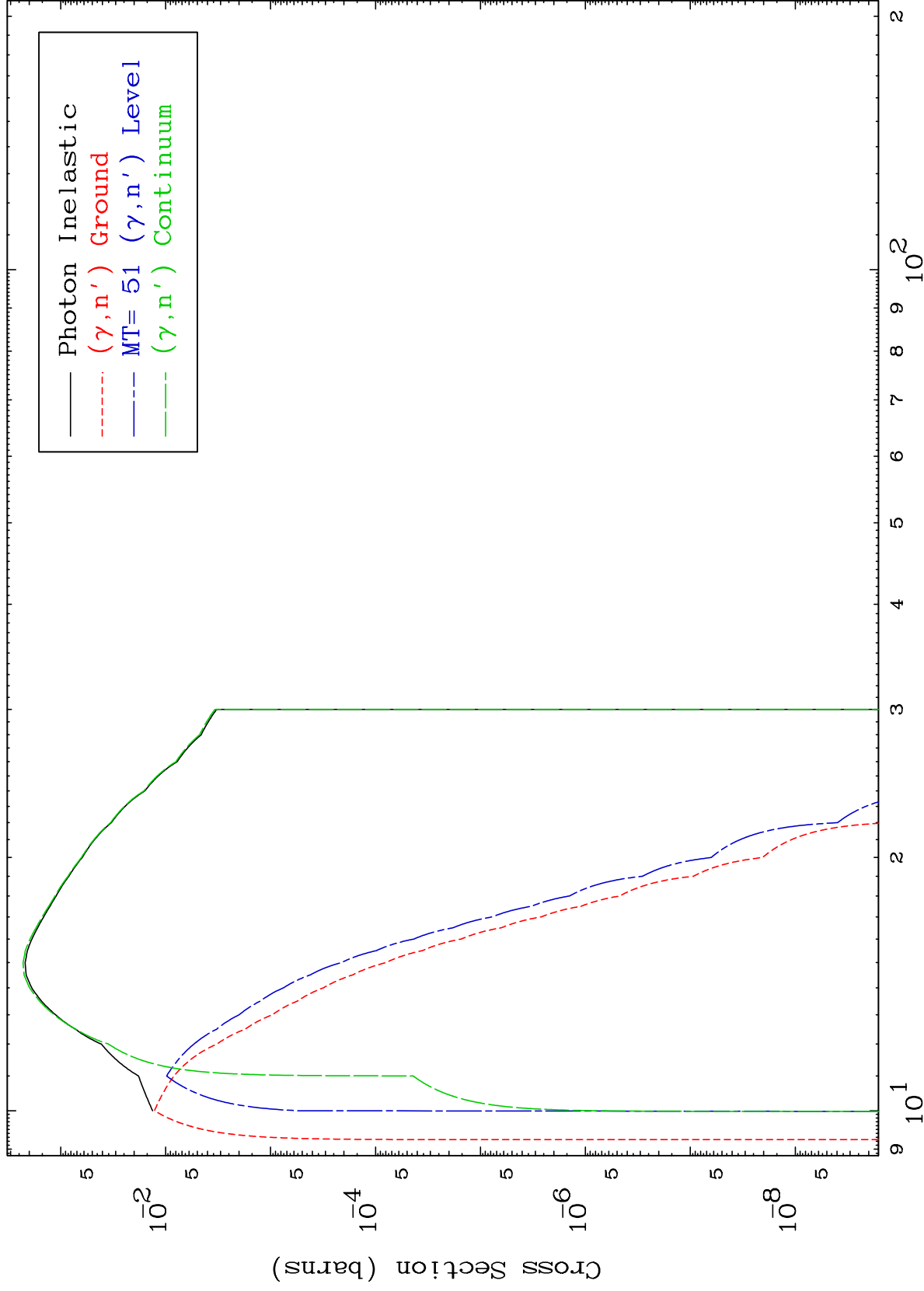


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$(\gamma, n')$  Level

64-Gd-145

0 Kelvin Cross Sections



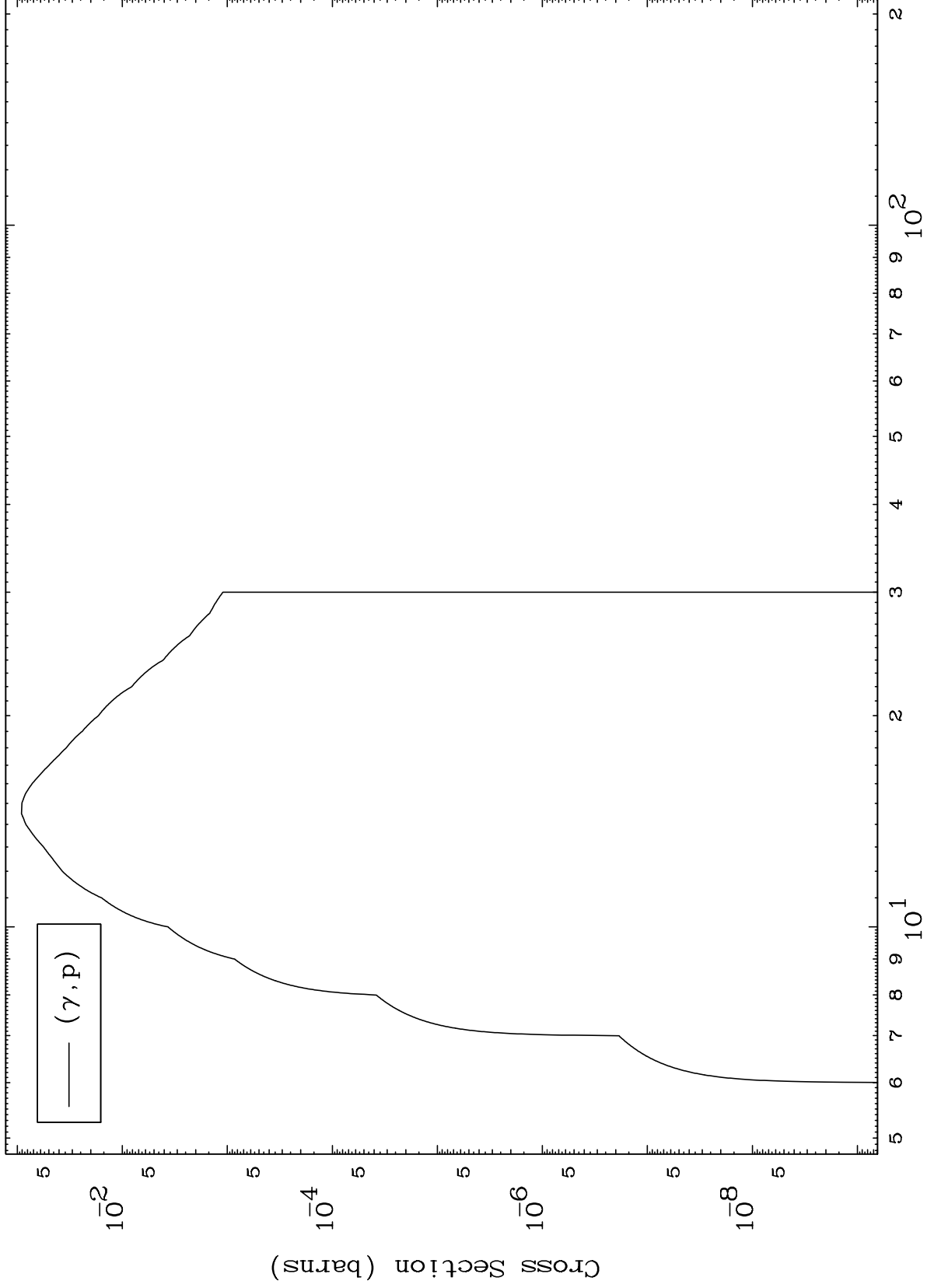
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



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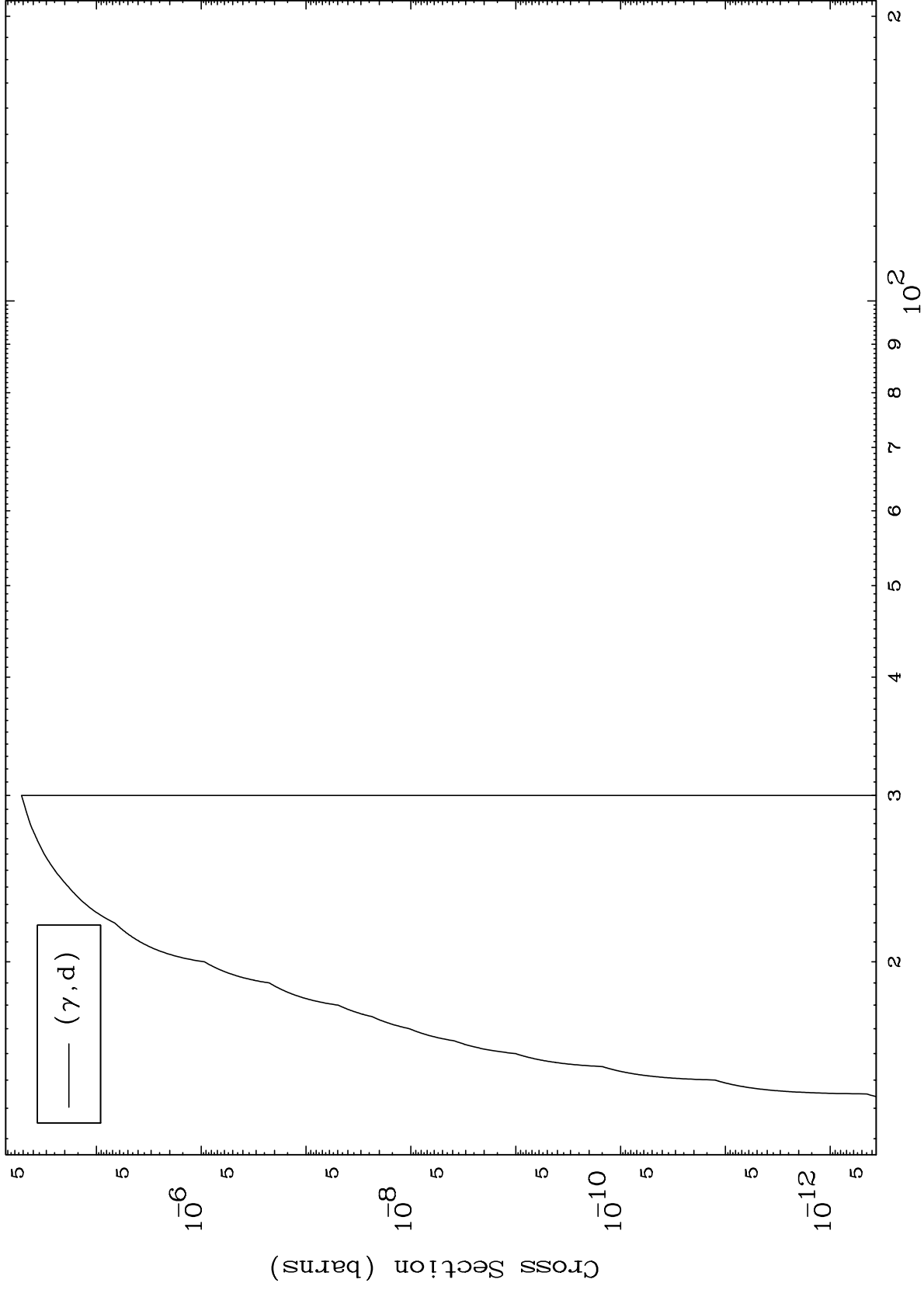
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



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Incident Energy (MeV)

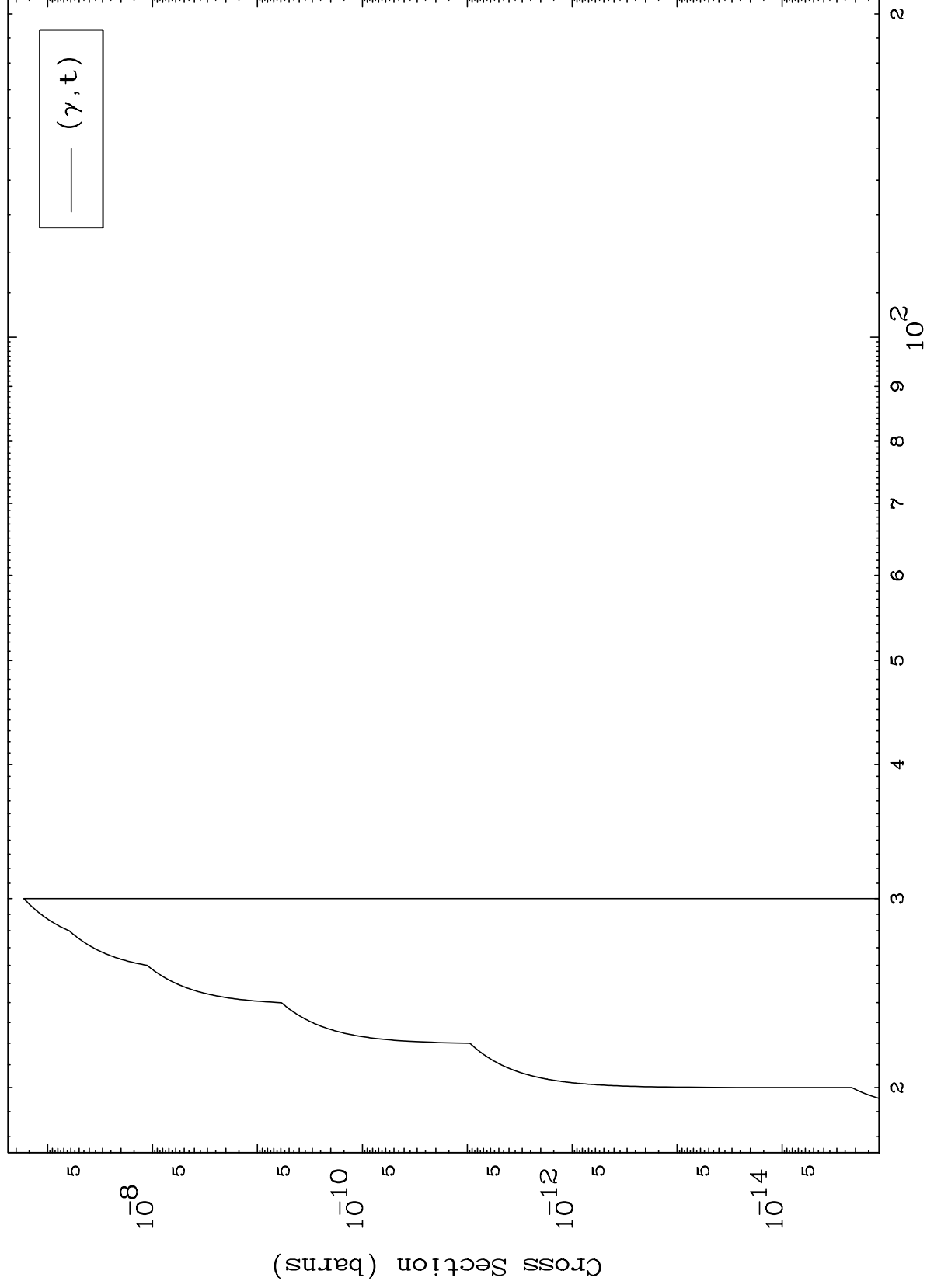
64-Gd-145



MAT 6404

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

64-Gd-145

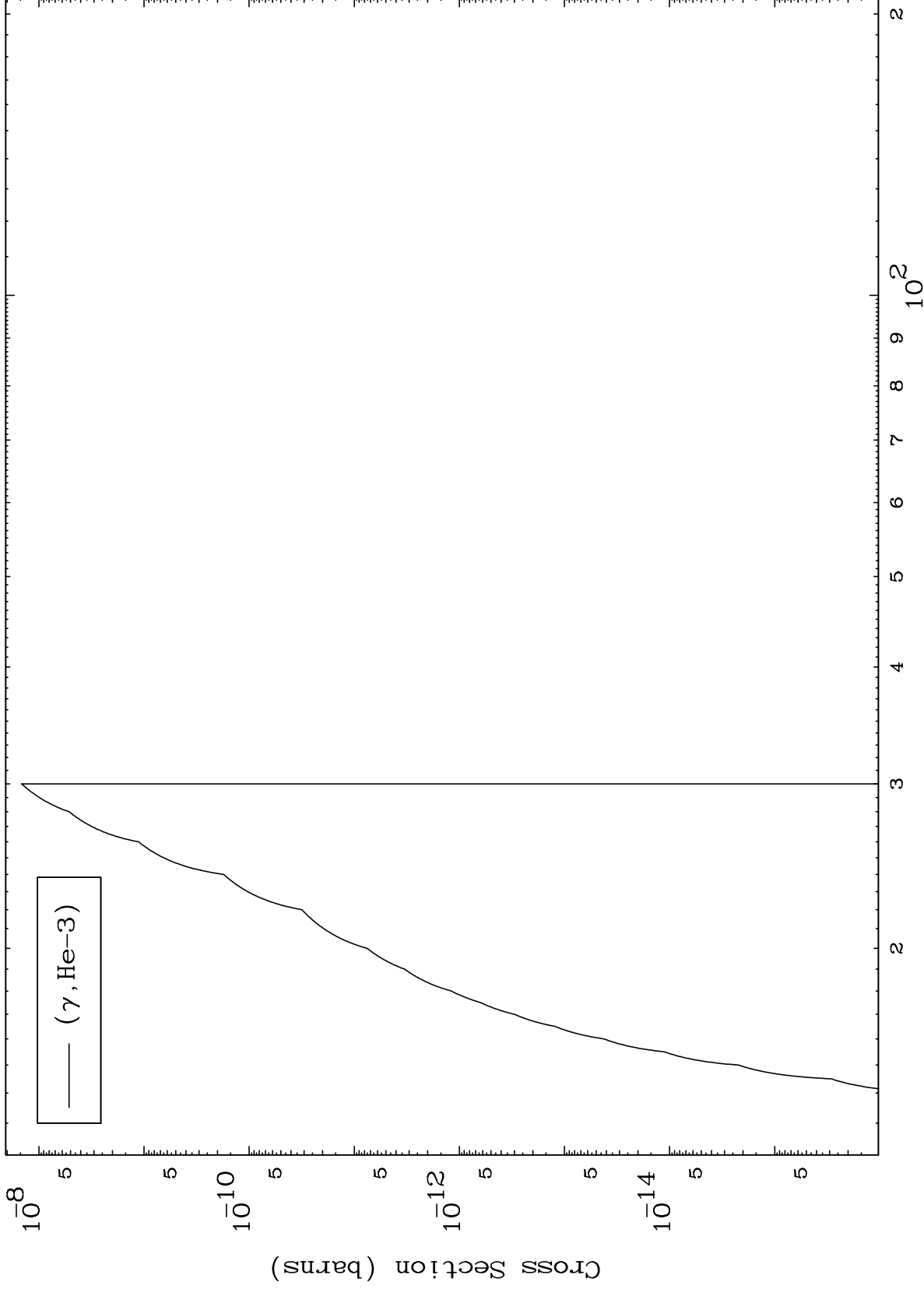


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Incident Energy (MeV)

64-Gd-145

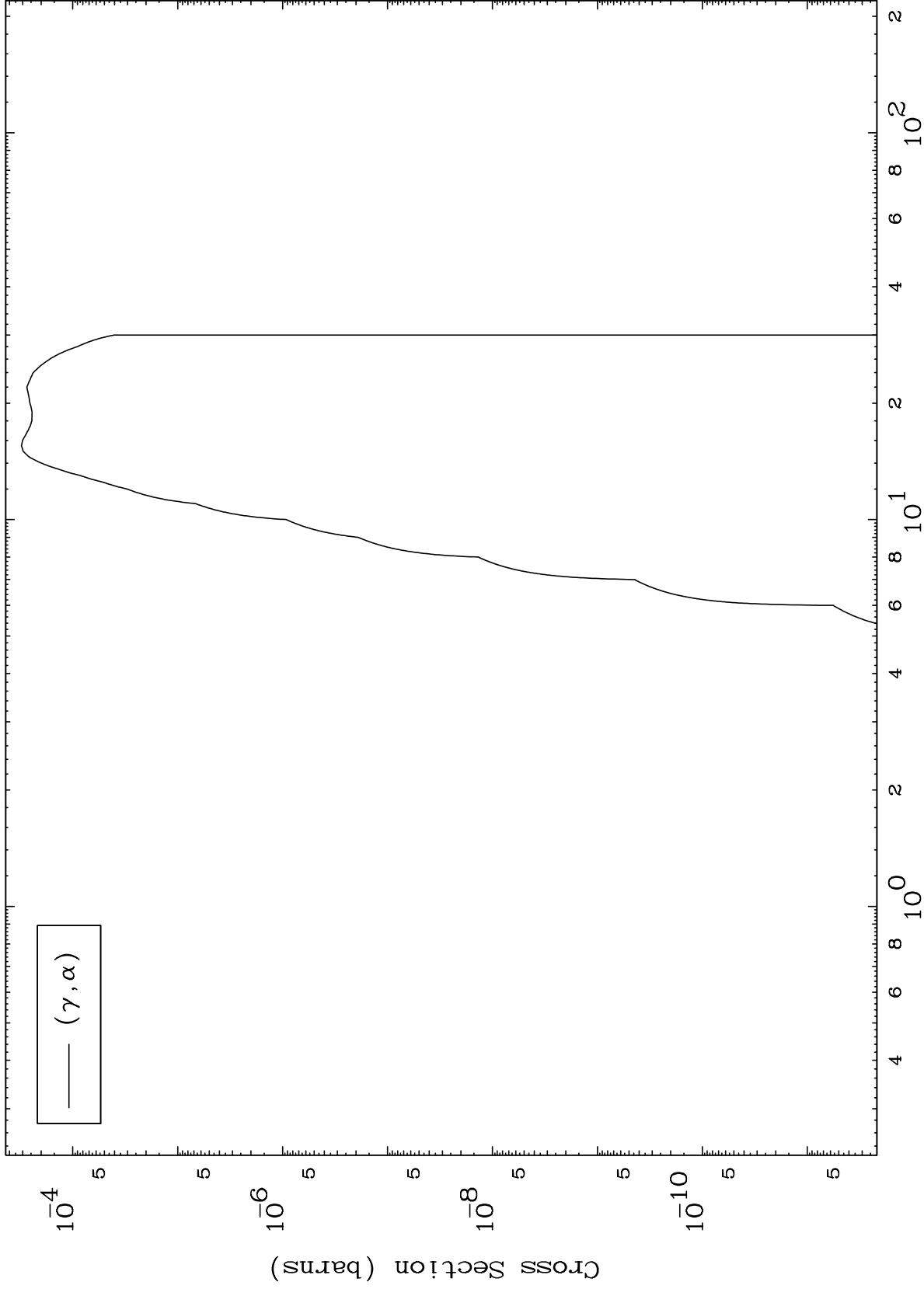
0 Kelvin Cross Sections



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

64-Gd-145



10

Incident Energy (MeV)

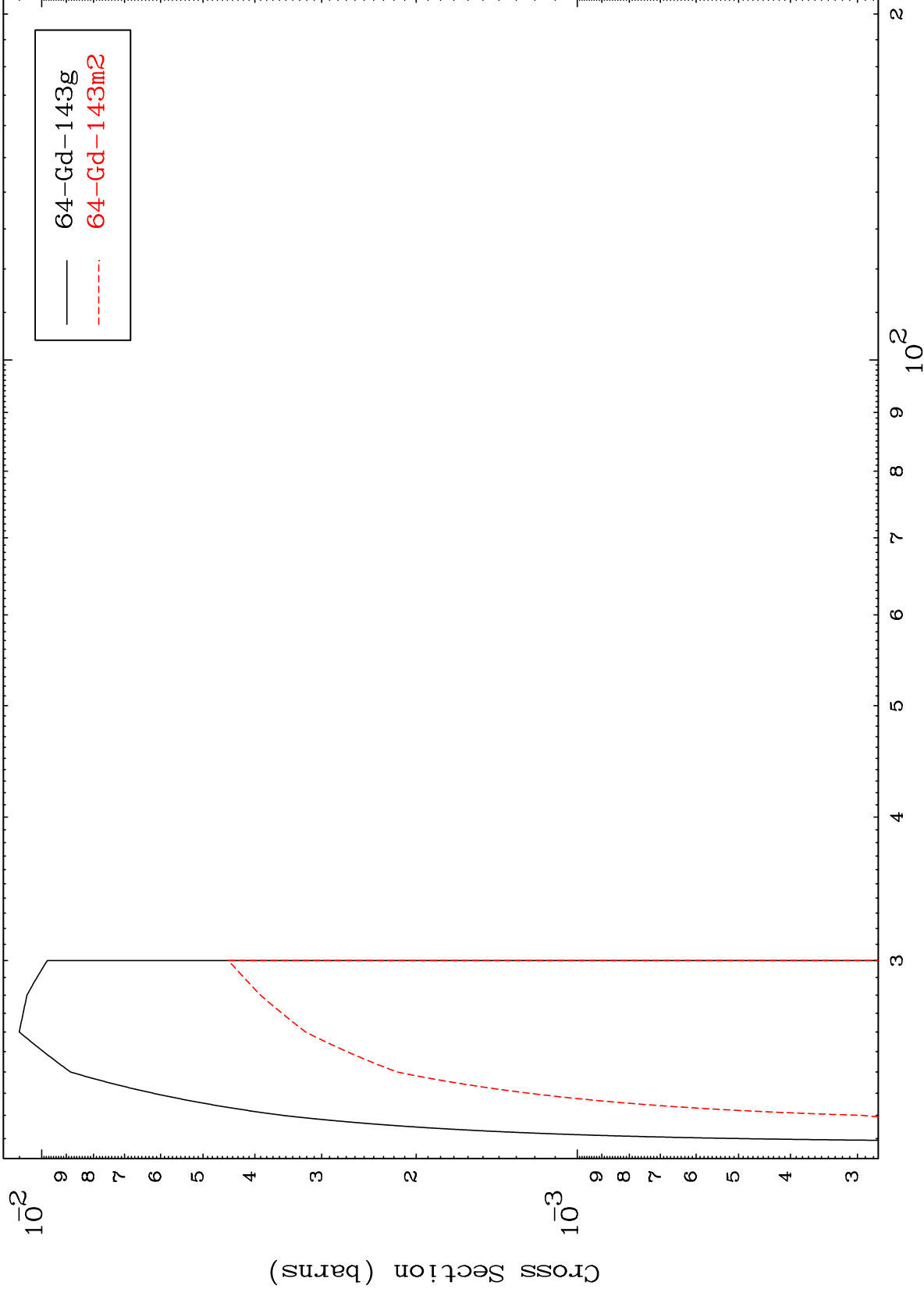
64-Gd-145

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( $\gamma, 2n$ )

64-Gd-145

Radionuclide Production Cross Section



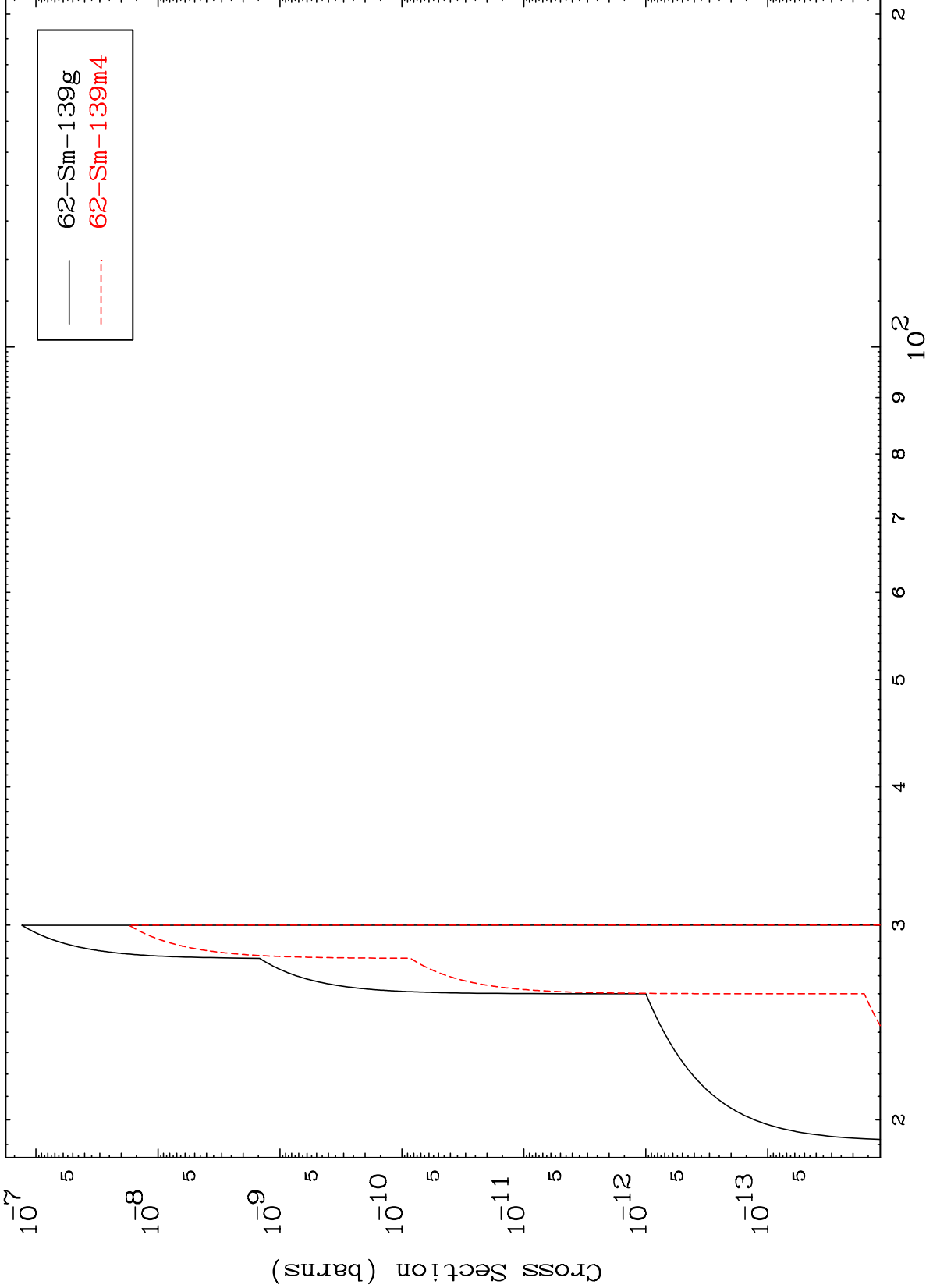
64-Gd-143g  
64-Gd-143m2

MAT 6404

$(\gamma, 2n) \alpha$

64-Gd-145

Radionuclide Production Cross Section

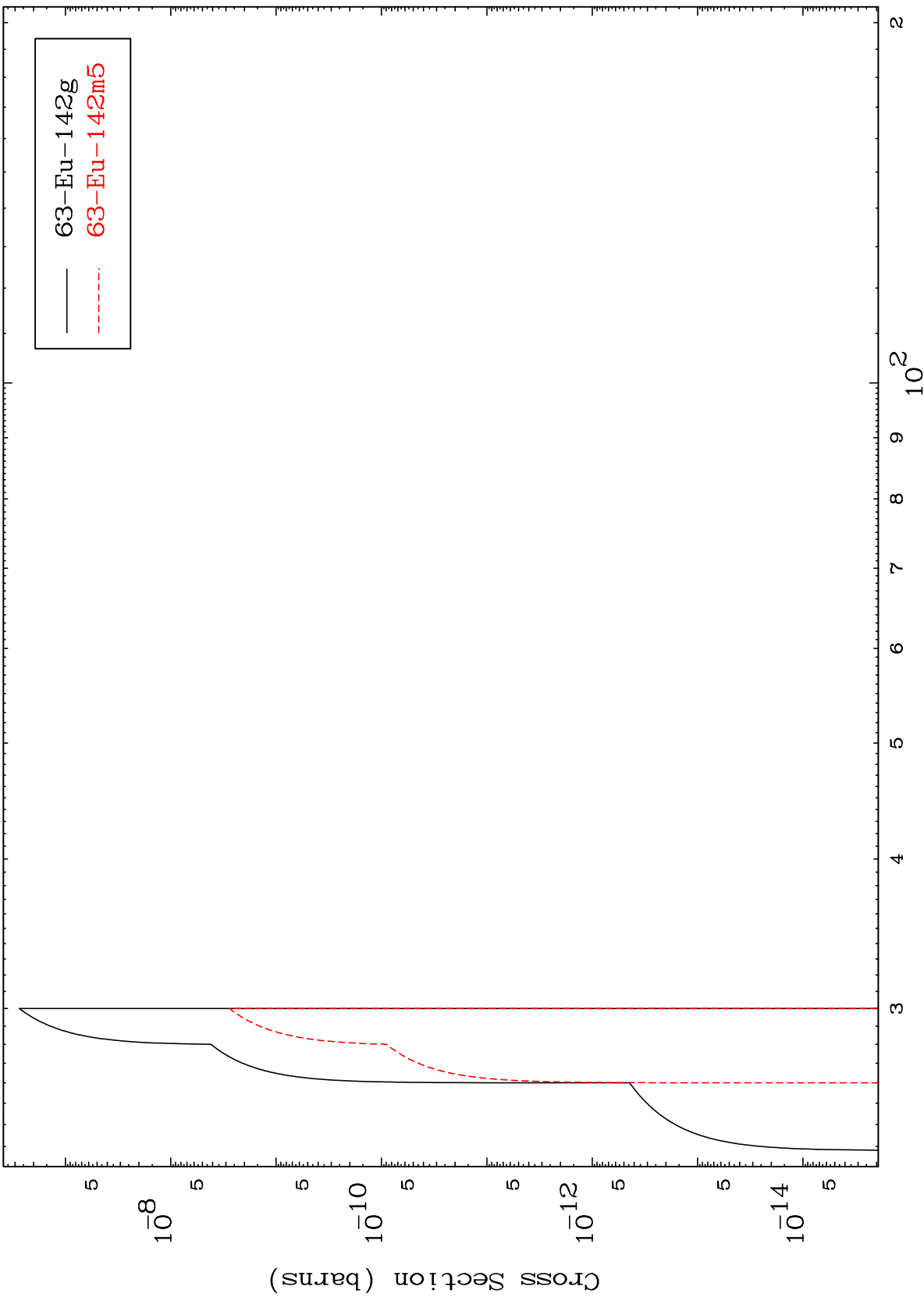


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Incident Energy (MeV)

64-Gd-145

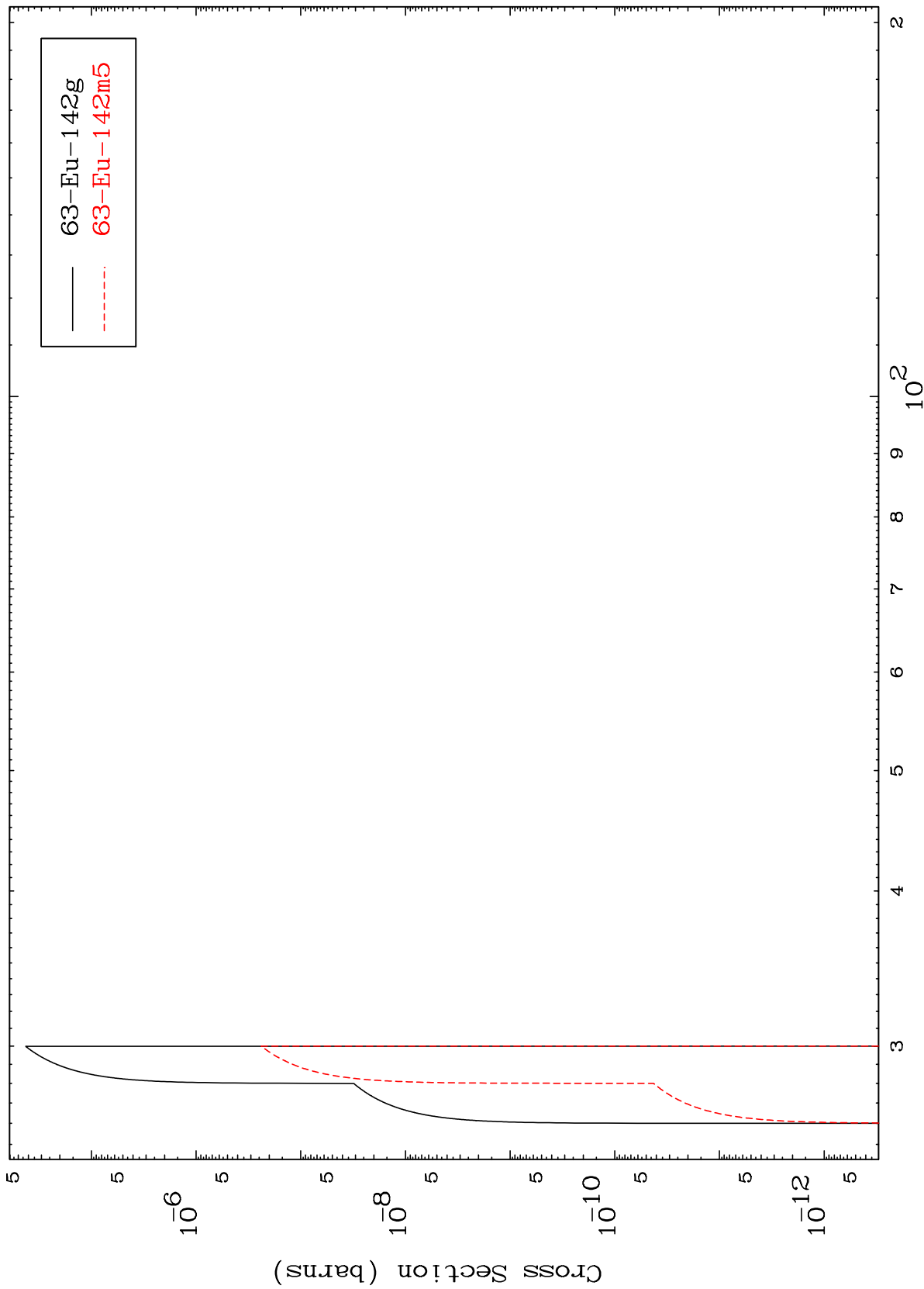
Radionuclide Production Cross Section



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64-Gd-145

$(\gamma, 2n)$  p  
Radionuclide Production Cross Section



63-Eu-142g  
63-Eu-142m5

64-Gd-145

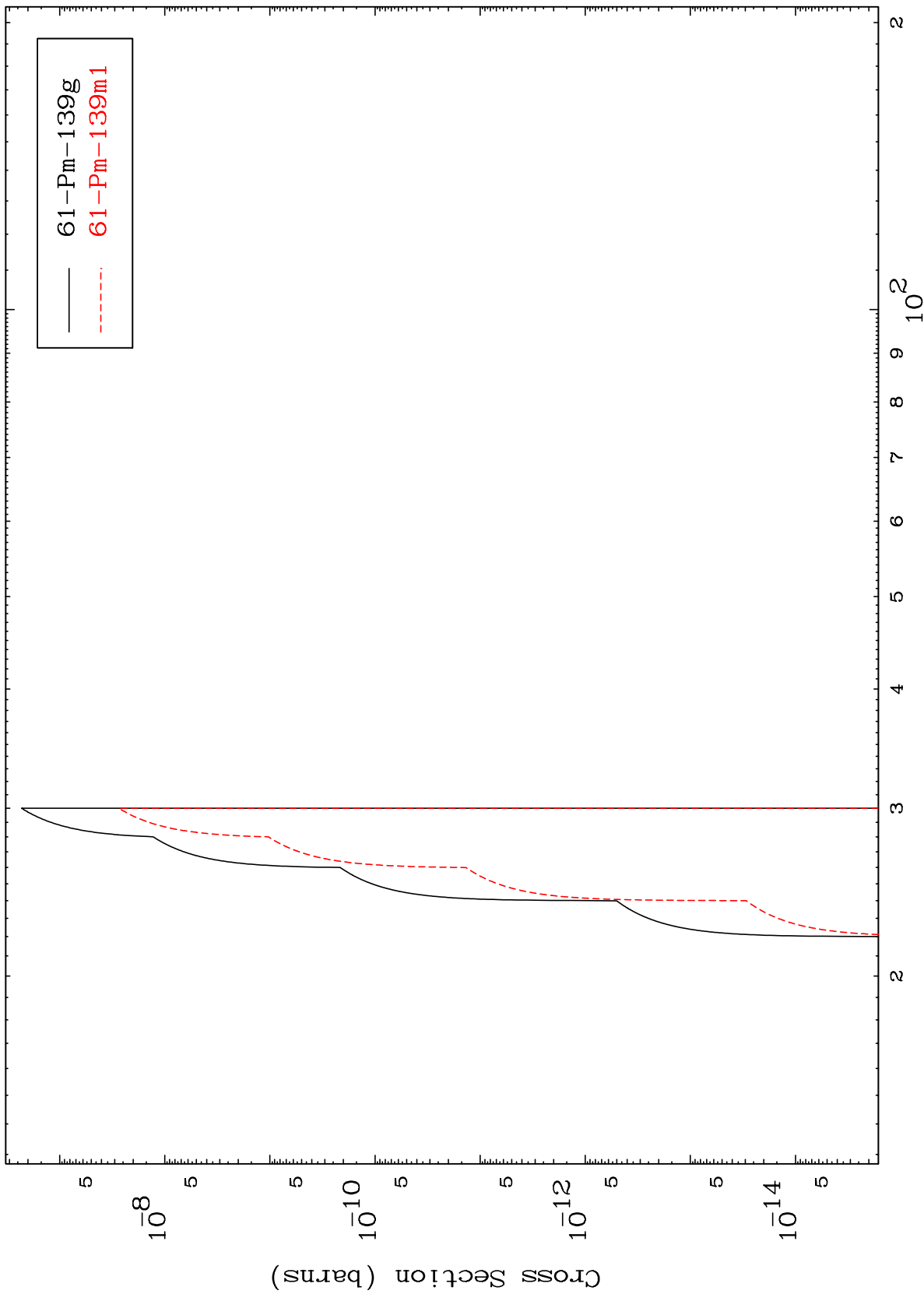
Incident Energy (MeV)

14

MAT 6404

64-Gd-145

$(\gamma, n')$  p  $\alpha$   
Radionuclide Production Cross Section



15

64-Gd-145

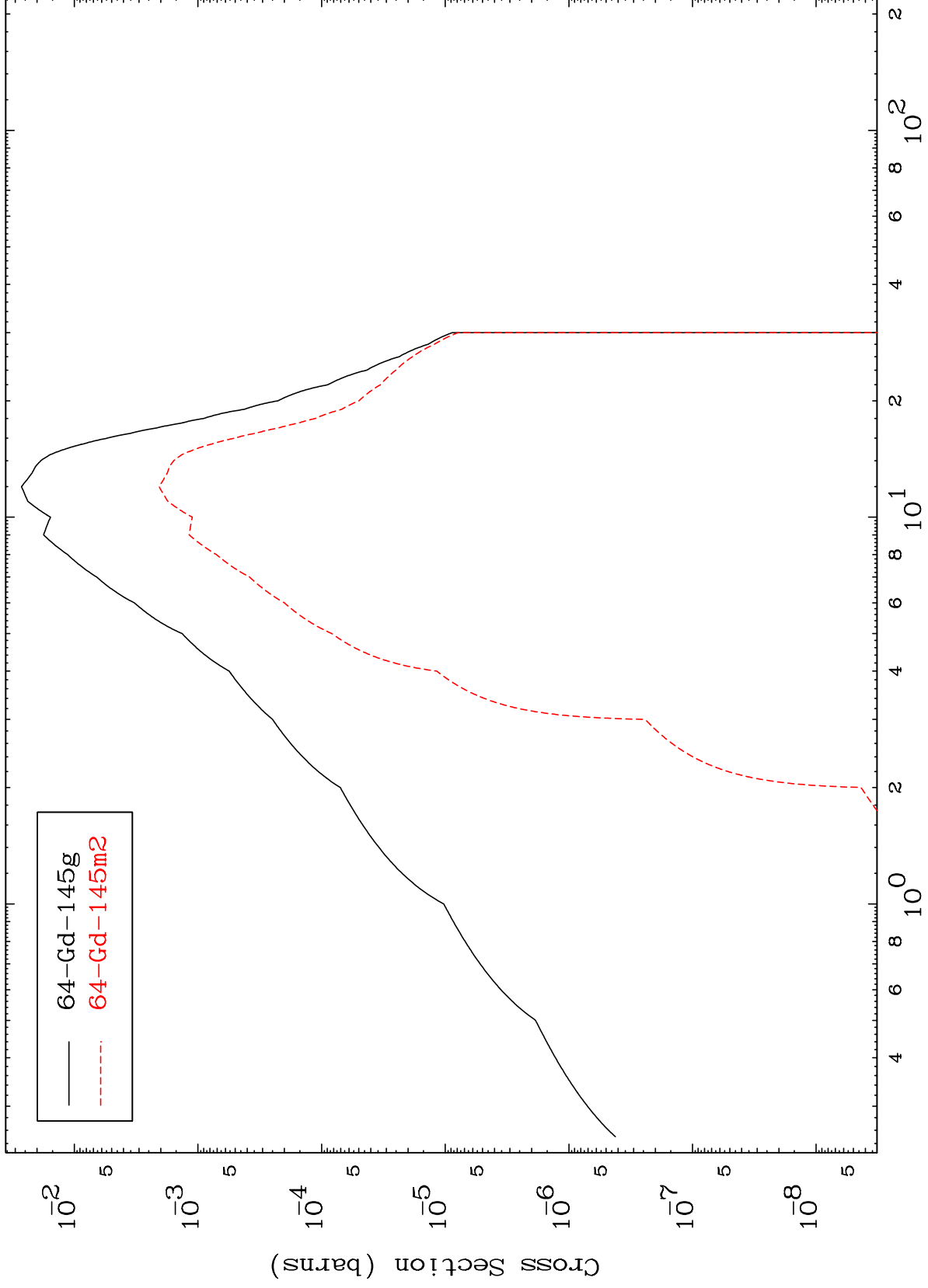
Incident Energy (MeV)



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64-Gd-145

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



— 64-Gd-145g  
- - - 64-Gd-145m2

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64-Gd-145

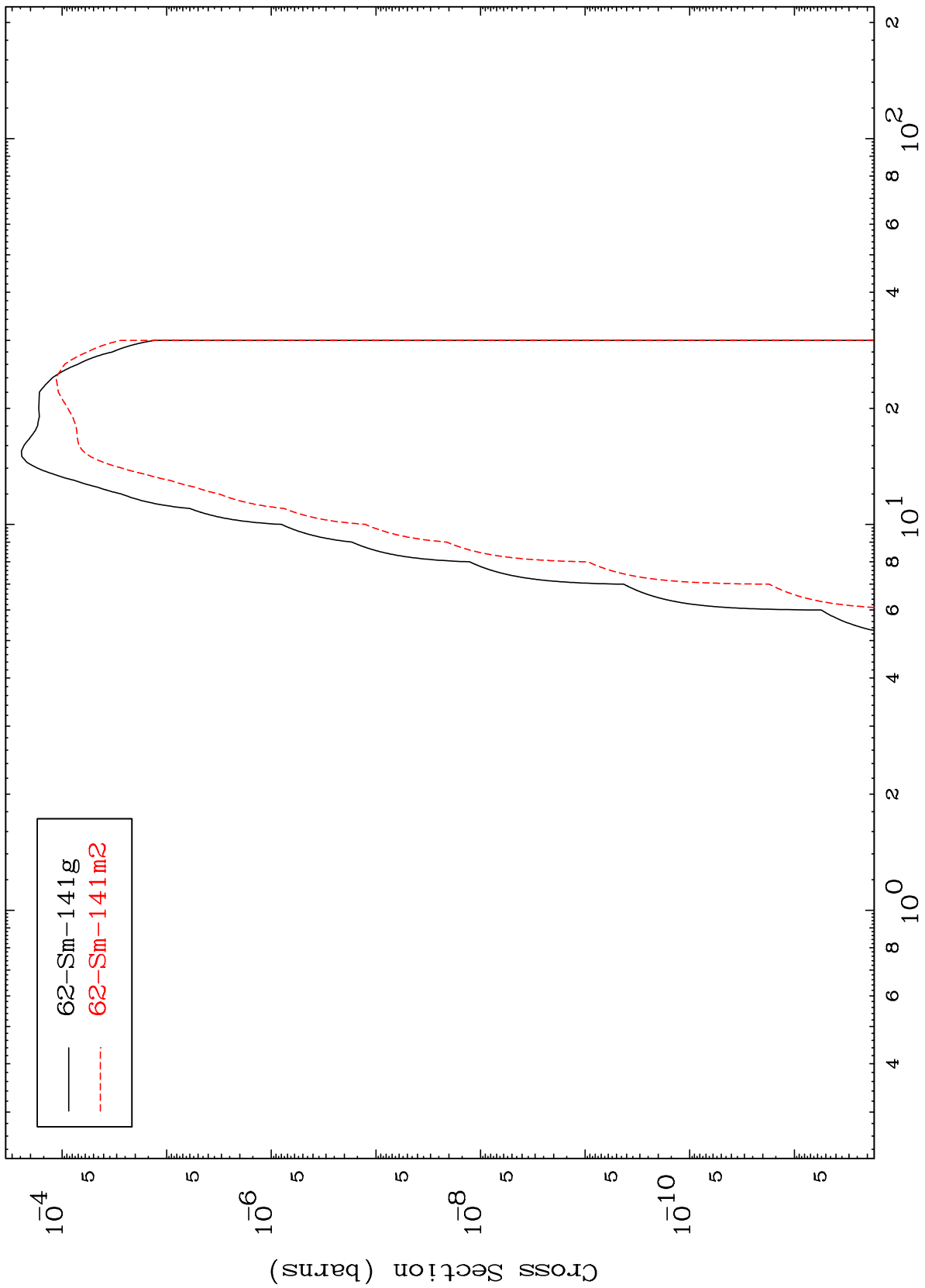
Incident Energy (MeV)



MAT 6404

64-Gd-145

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



— 62-Sm-141g  
- - - 62-Sm-141m2

64-Gd-145

Incident Energy (MeV)

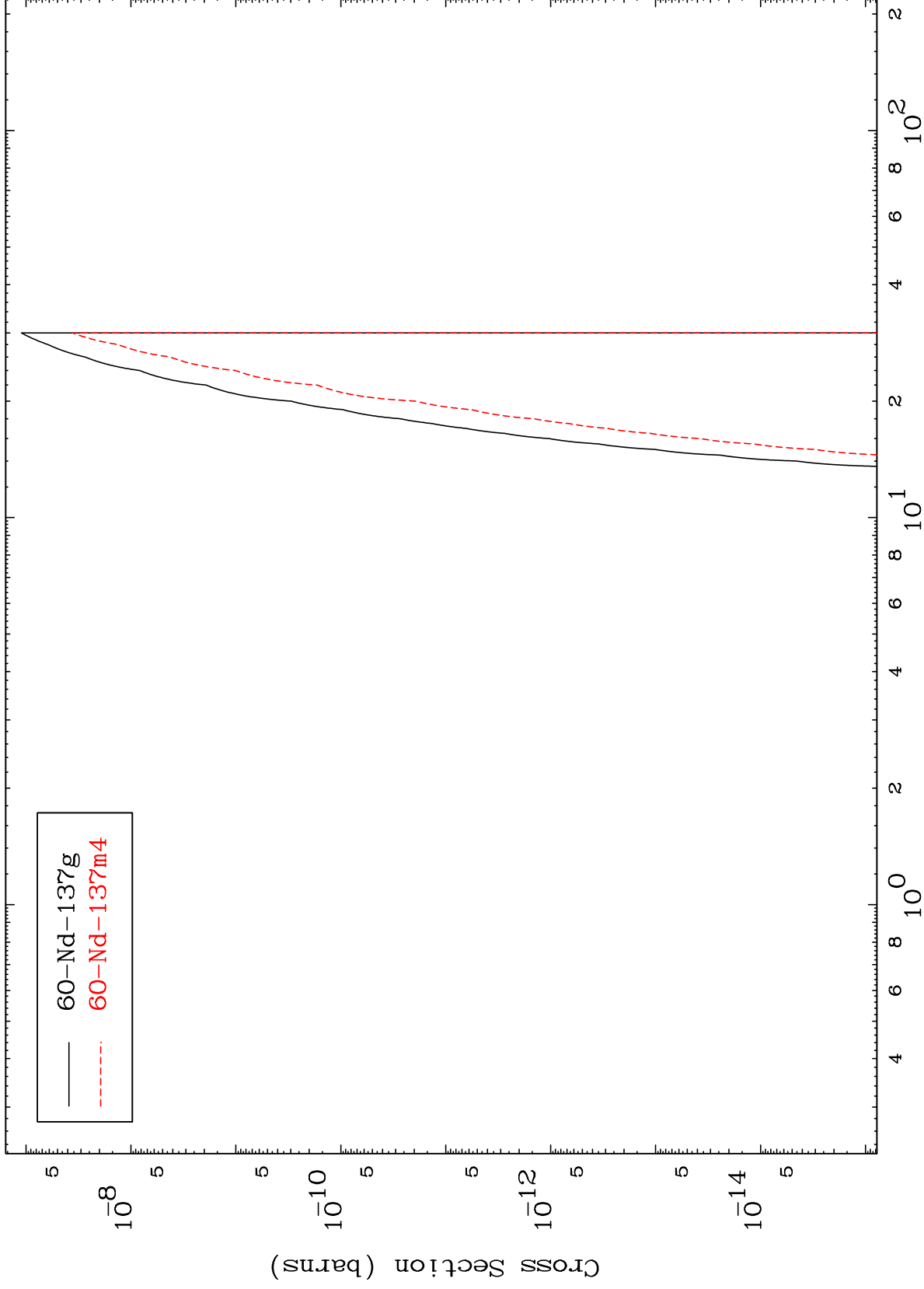
18

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( $\gamma, 2\alpha$ )

64-Gd-145

Radionuclide Production Cross Section



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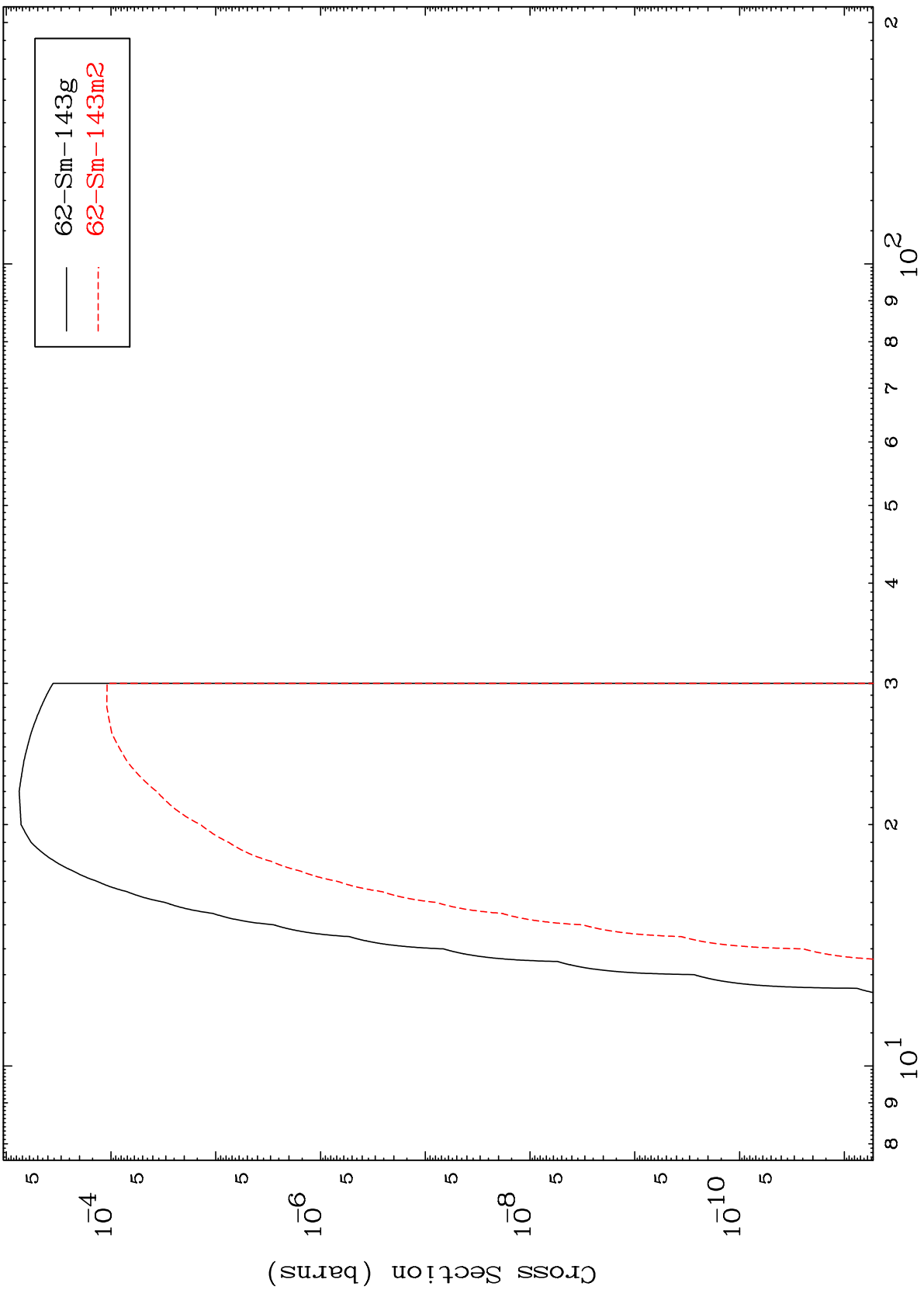
Incident Energy (MeV)

64-Gd-145

MAT 6404

64-Gd-145

( $\gamma, 2p$ )  
Radionuclide Production Cross Section



62-Sm-143g  
62-Sm-143m2

64-Gd-145

Incident Energy (MeV)

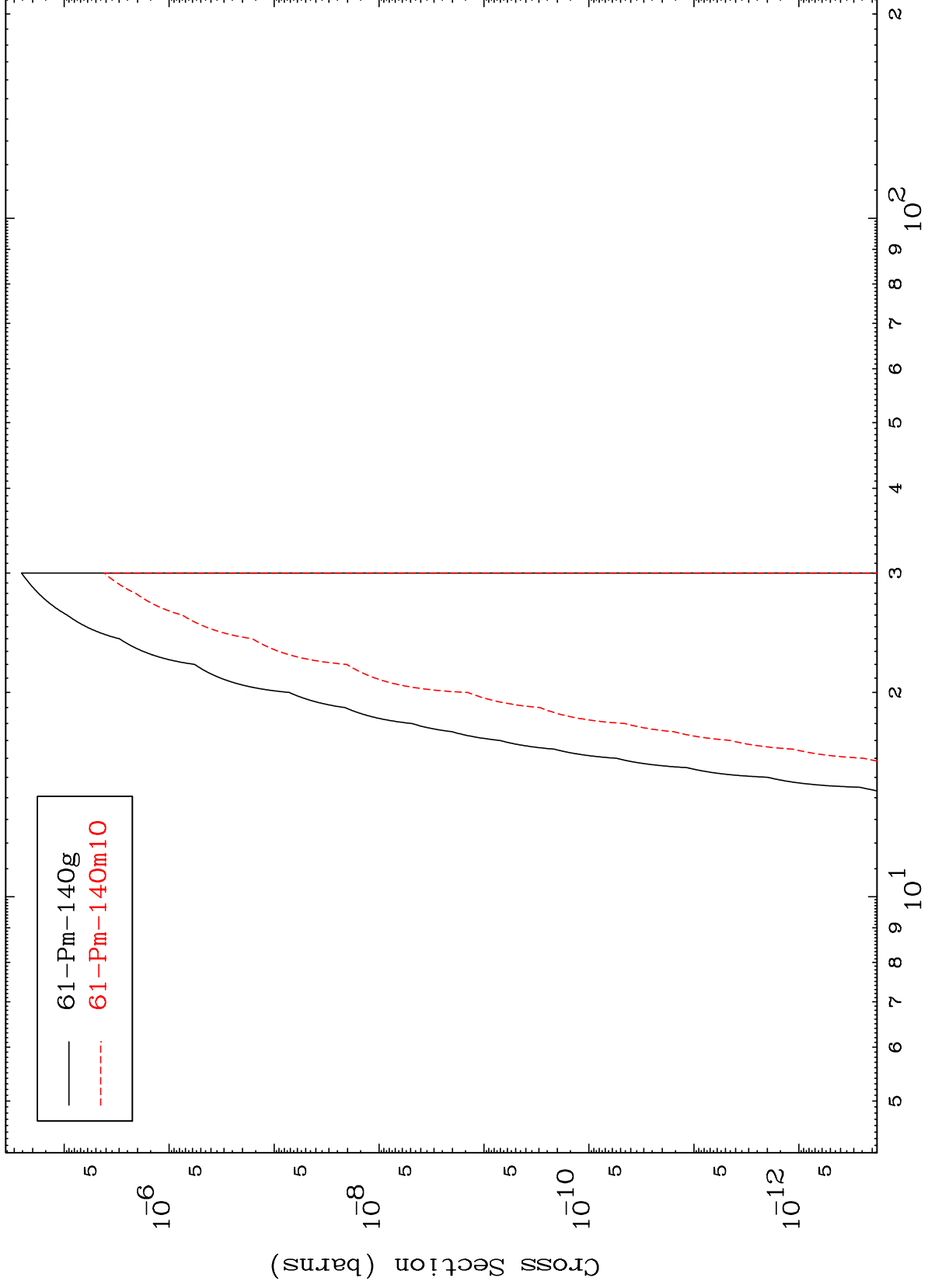
20

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$(\gamma, p) \alpha$

64-Gd-145

Radionuclide Production Cross Section



21

Incident Energy (MeV)

64-Gd-145