

Program EVALPLOT
(Version 2018-1)

by

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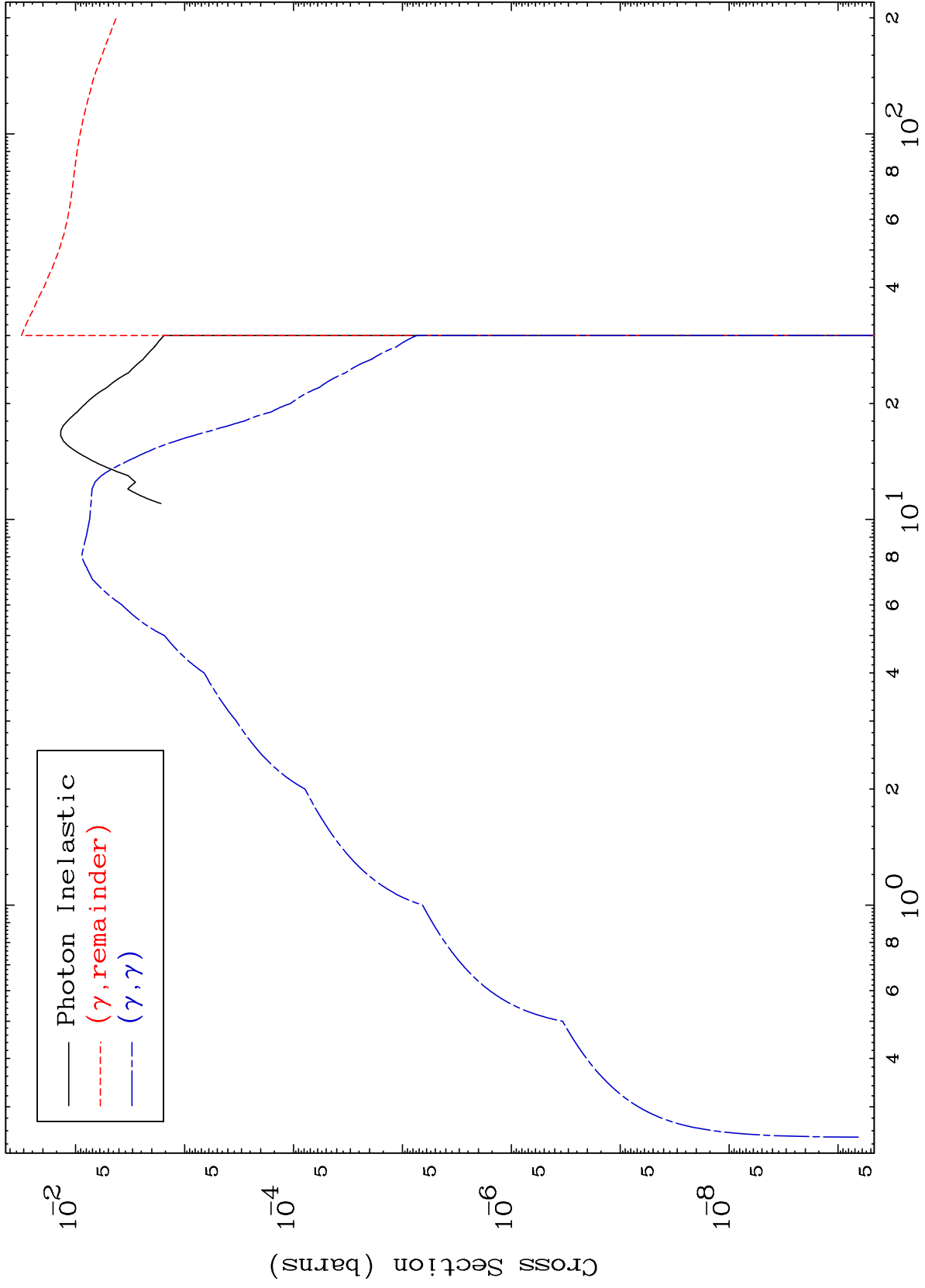
Press Mouse Button to Start

MAT 6386

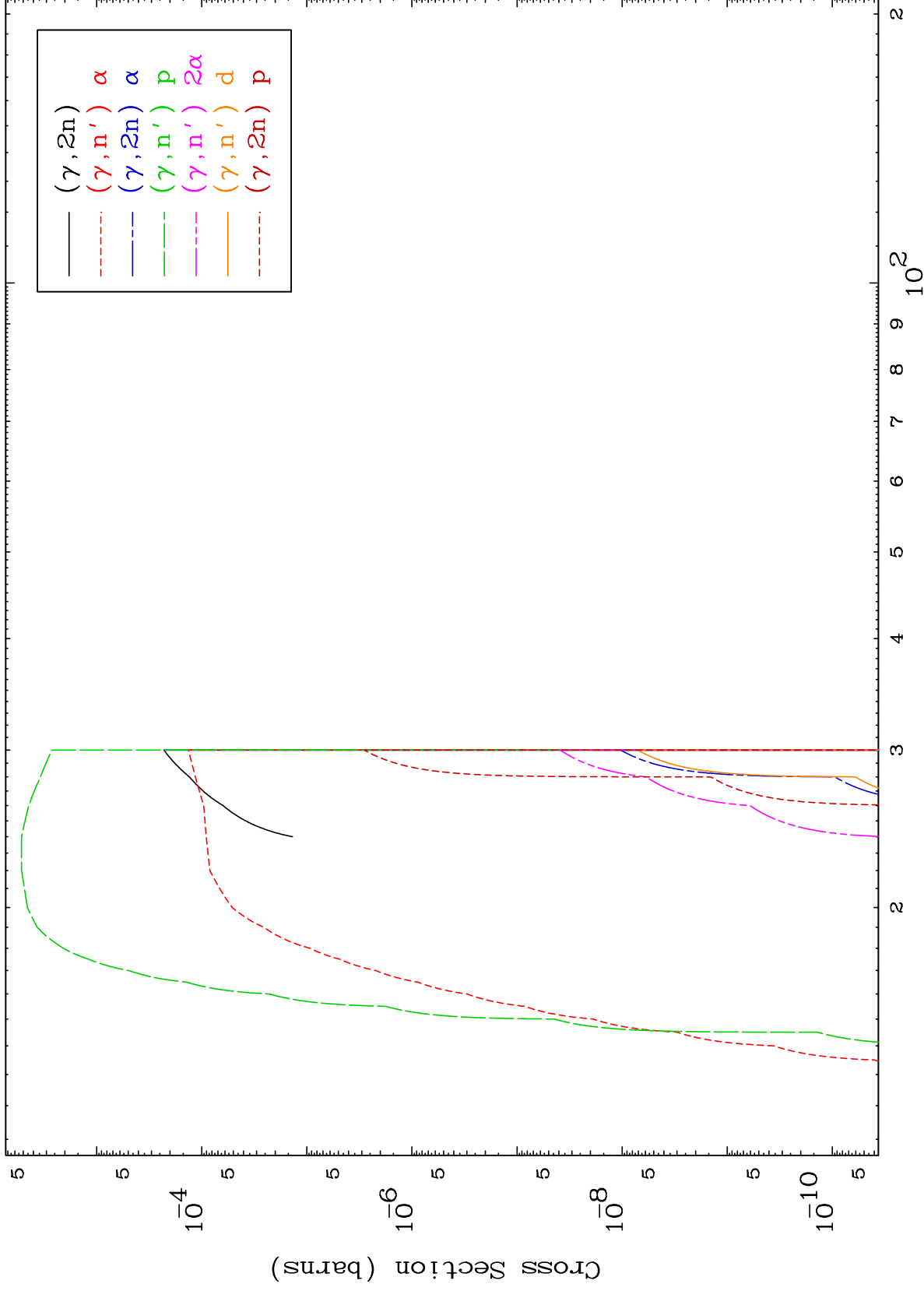
Photon Major

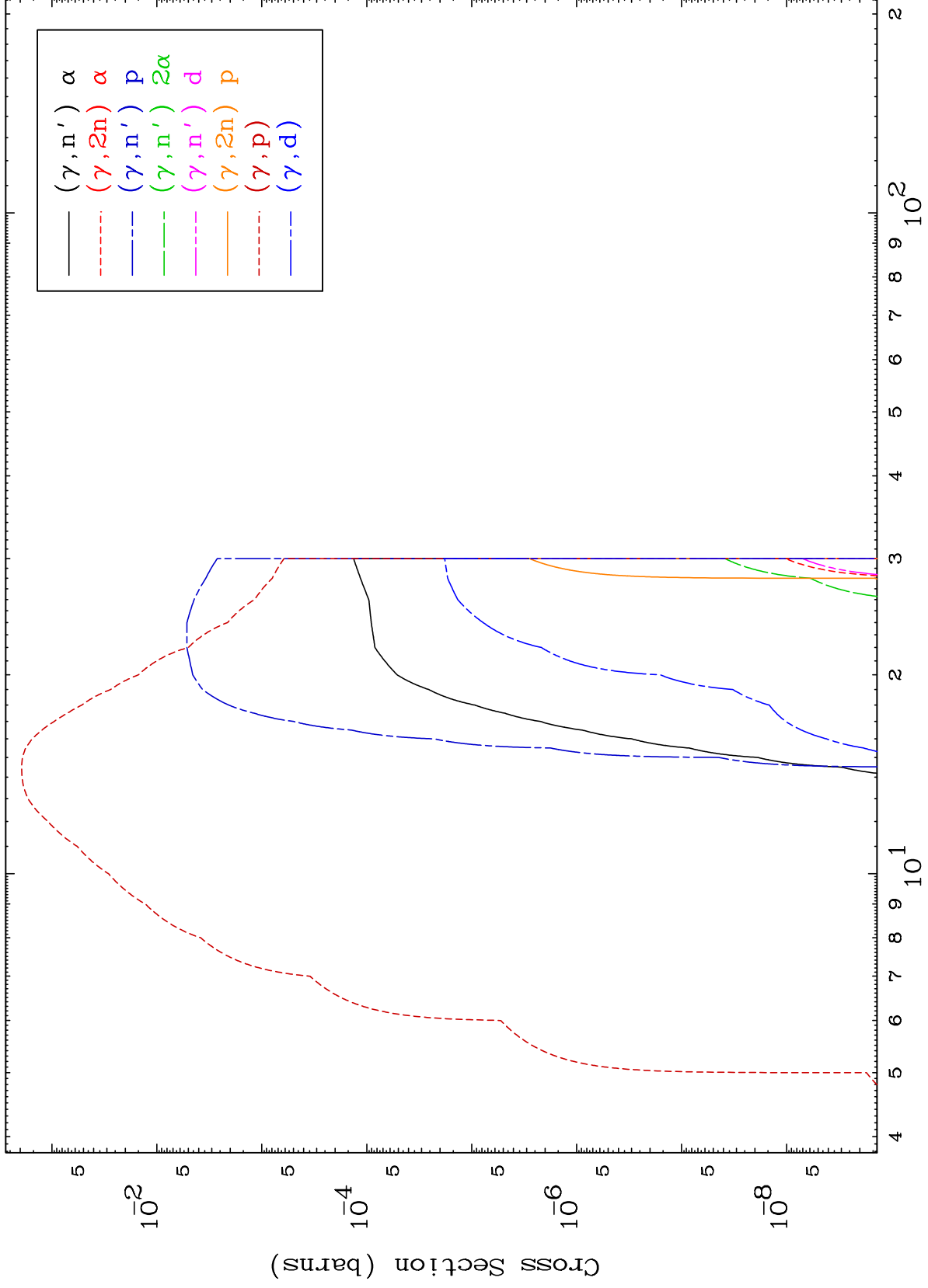
64-Gd-139

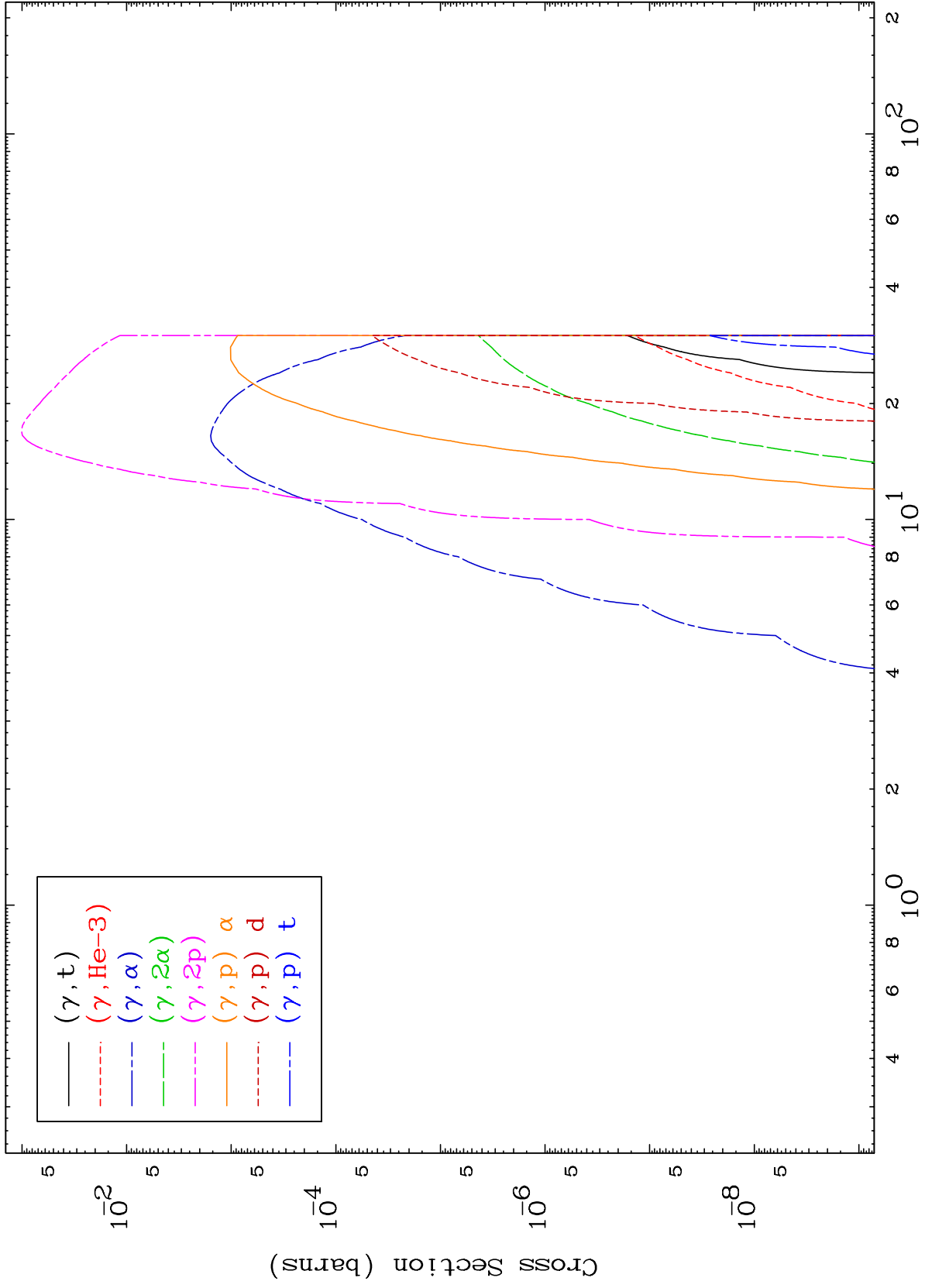
0 Kelvin Cross Sections



— Photon Inelastic
- - - $(\gamma, \text{remainder})$
- - - (γ, γ)





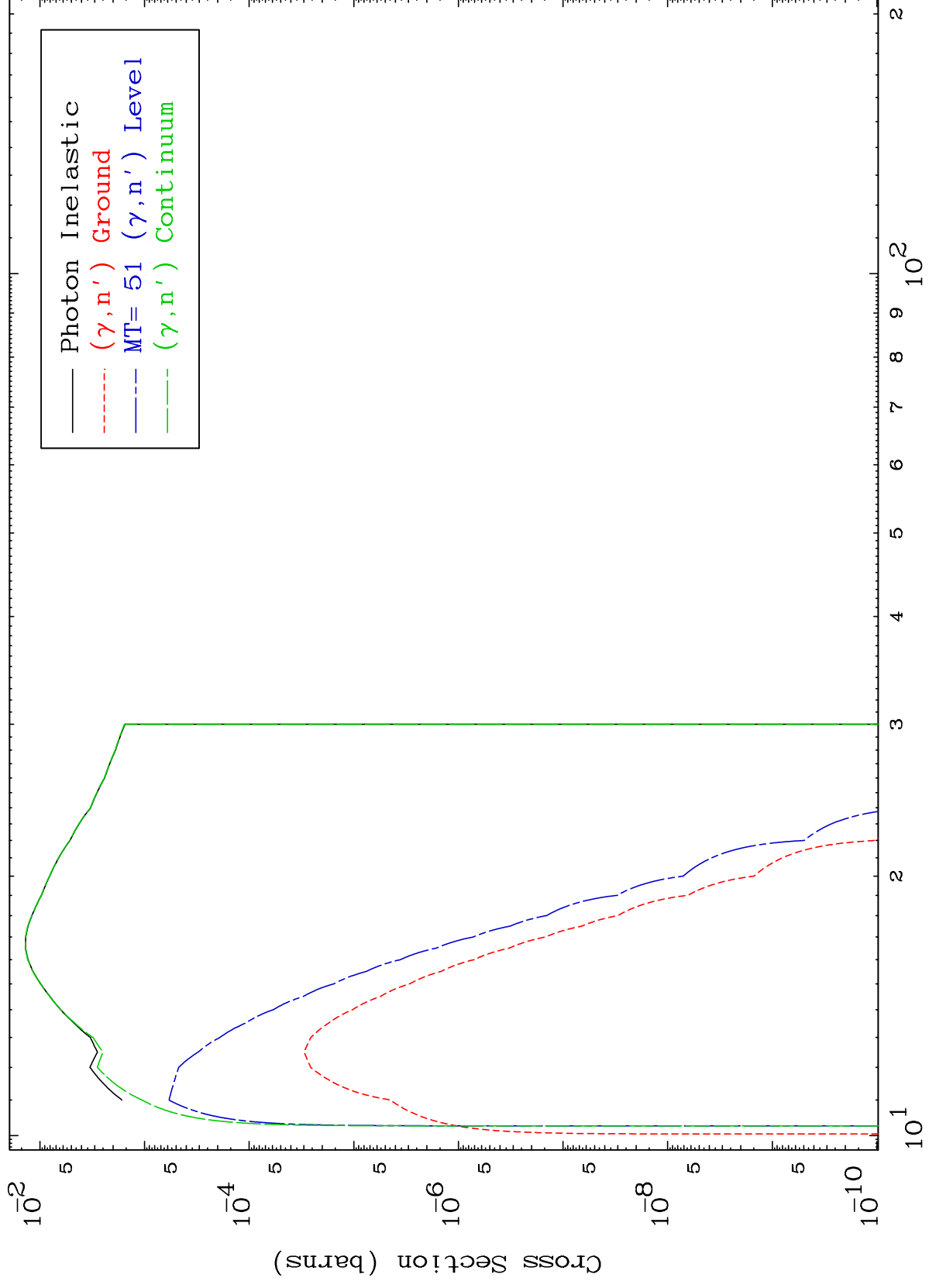


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(γ, n') Level

64-Gd-139

0 Kelvin Cross Sections



Incident Energy (MeV)

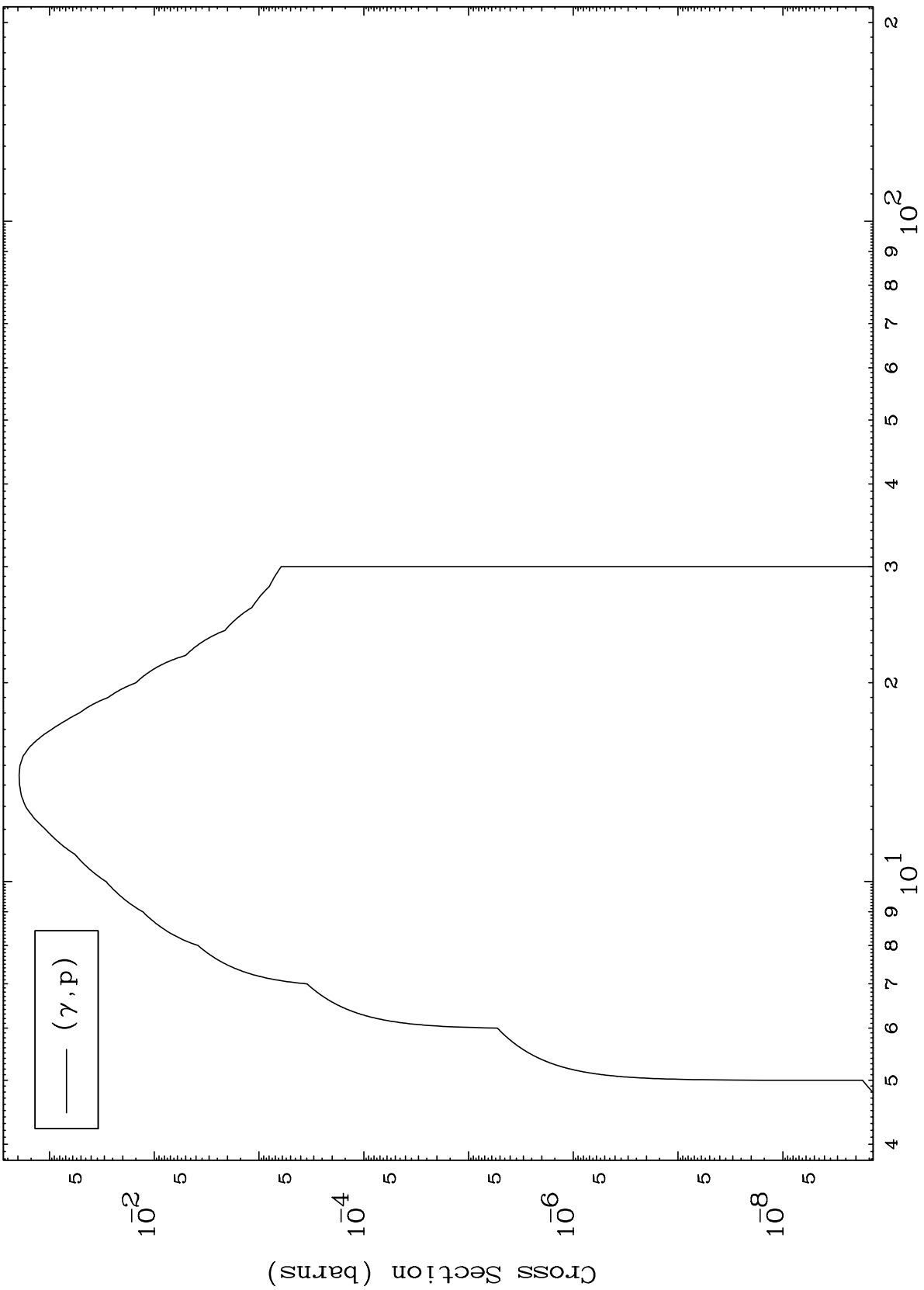
64-Gd-139

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(γ, p) Levels

64-Gd-139

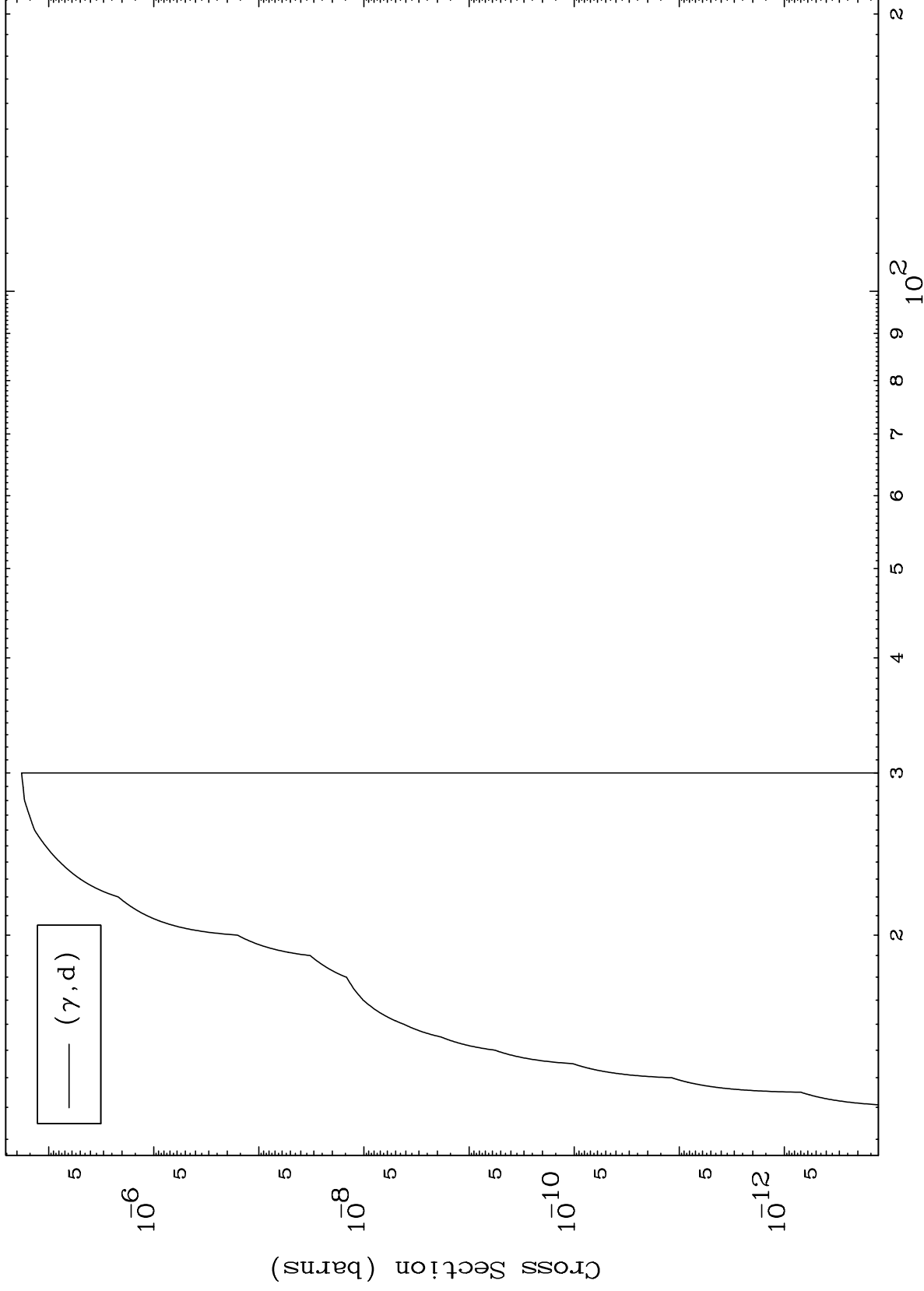
0 Kelvin Cross Sections



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Incident Energy (MeV)

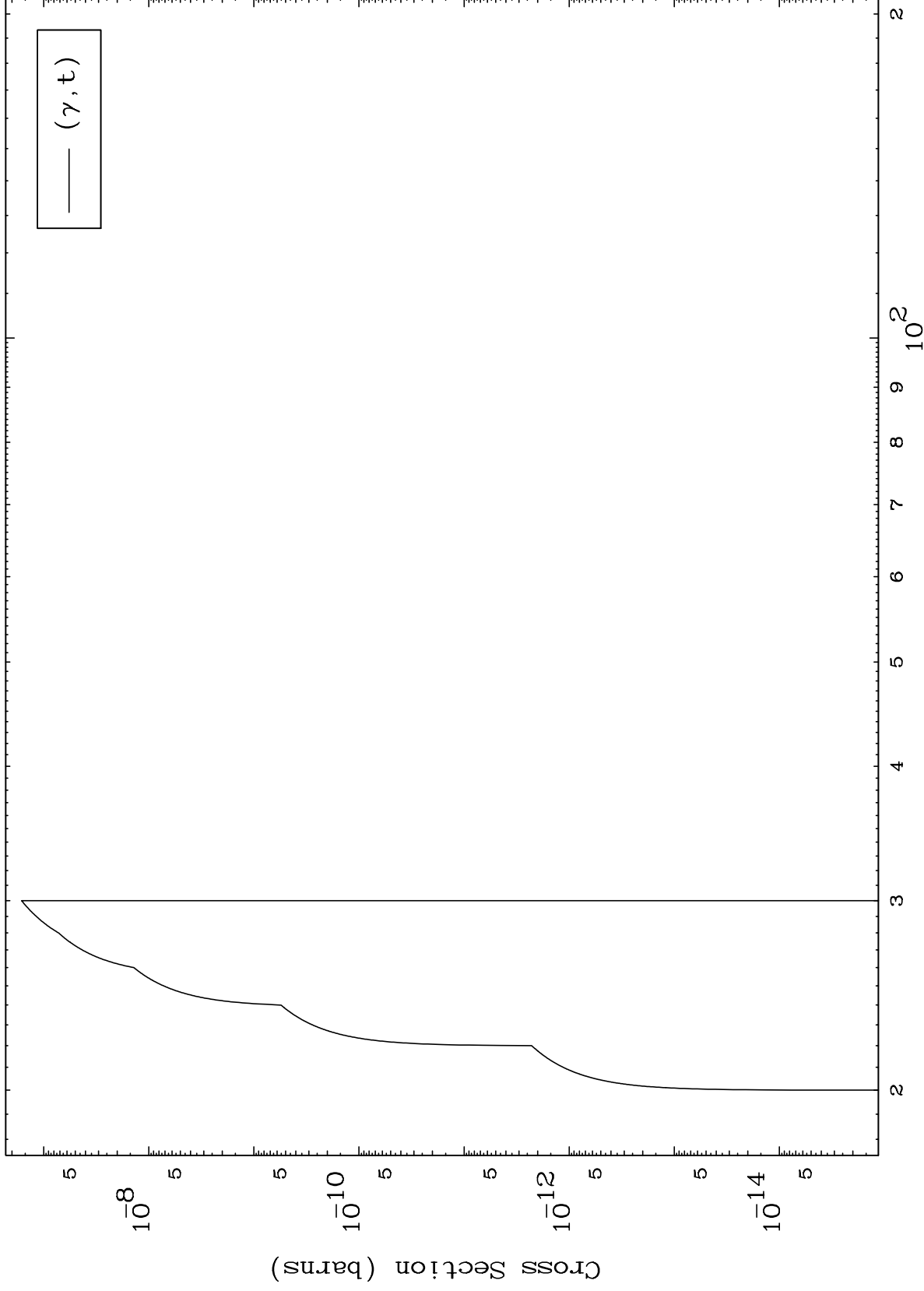
64-Gd-139



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(γ, t) Levels
0 Kelvin Cross Sections

64-Gd-139



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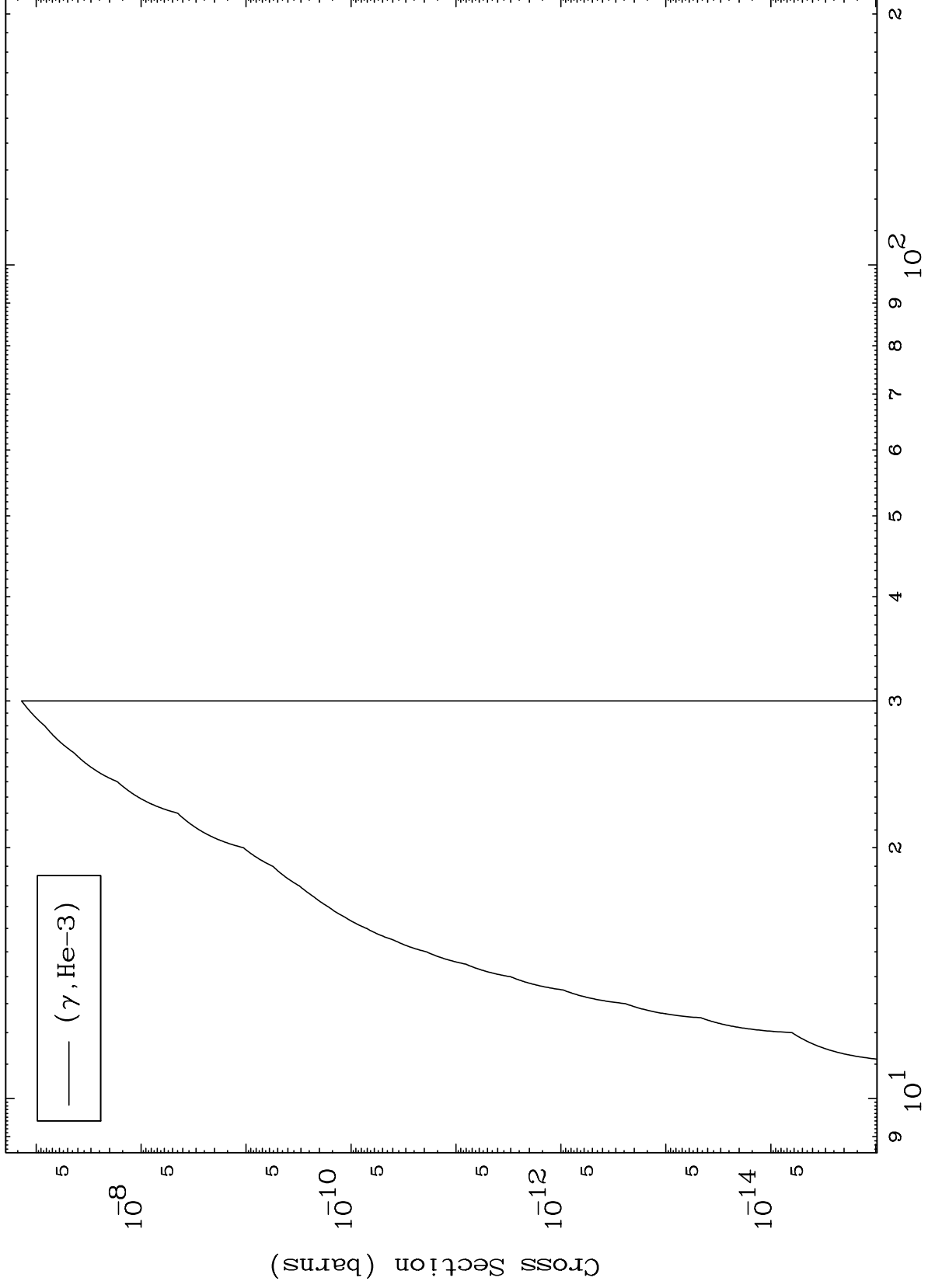
Incident Energy (MeV)

64-Gd-139

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

64-Gd-139



Incident Energy (MeV)

64-Gd-139

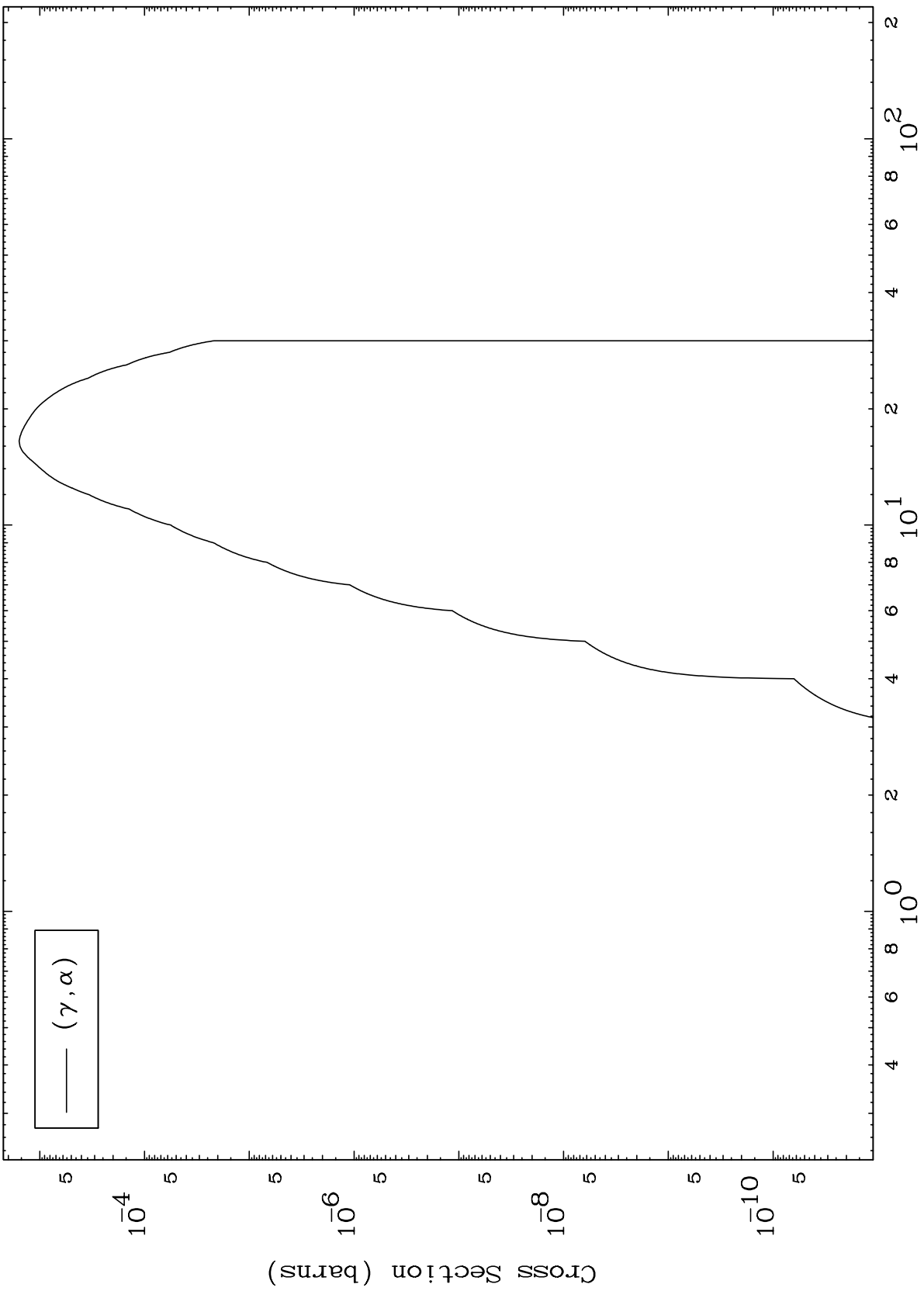
9

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(γ, α) Levels

64-Gd-139

0 Kelvin Cross Sections



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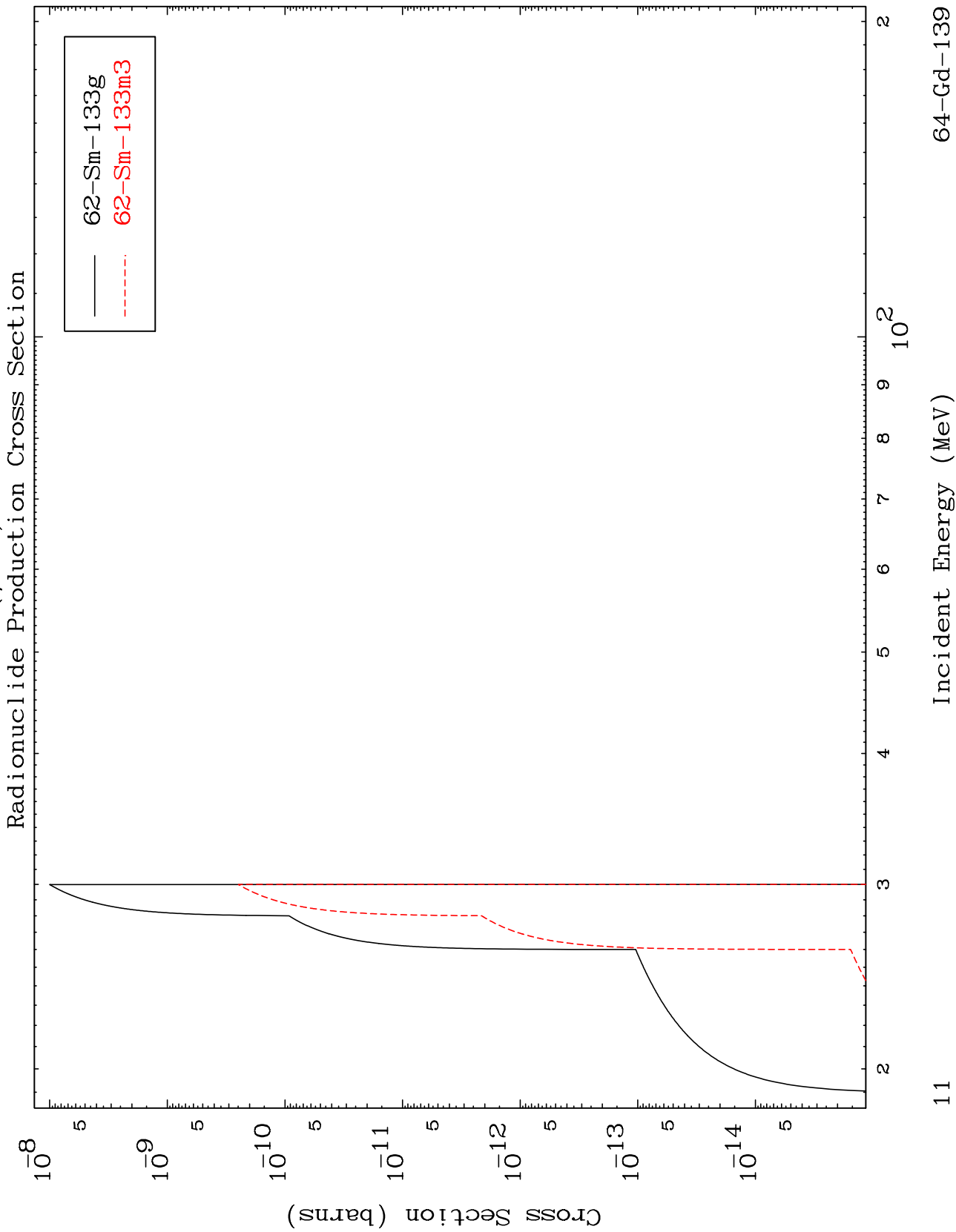
Incident Energy (MeV)

64-Gd-139

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$(\gamma, 2n) \alpha$

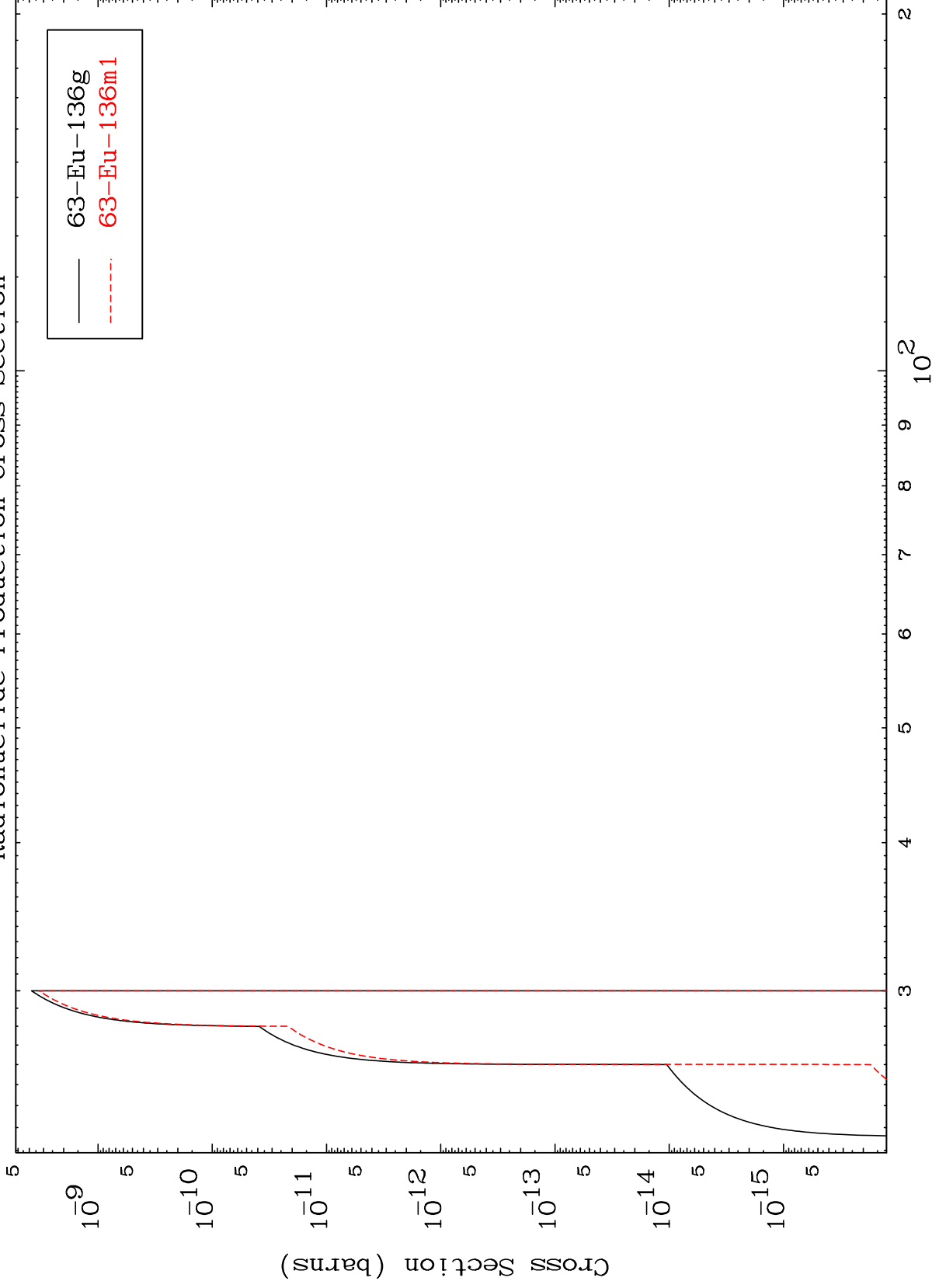
64-Gd-139



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64-Gd-139

Radionuclide Production Cross Section

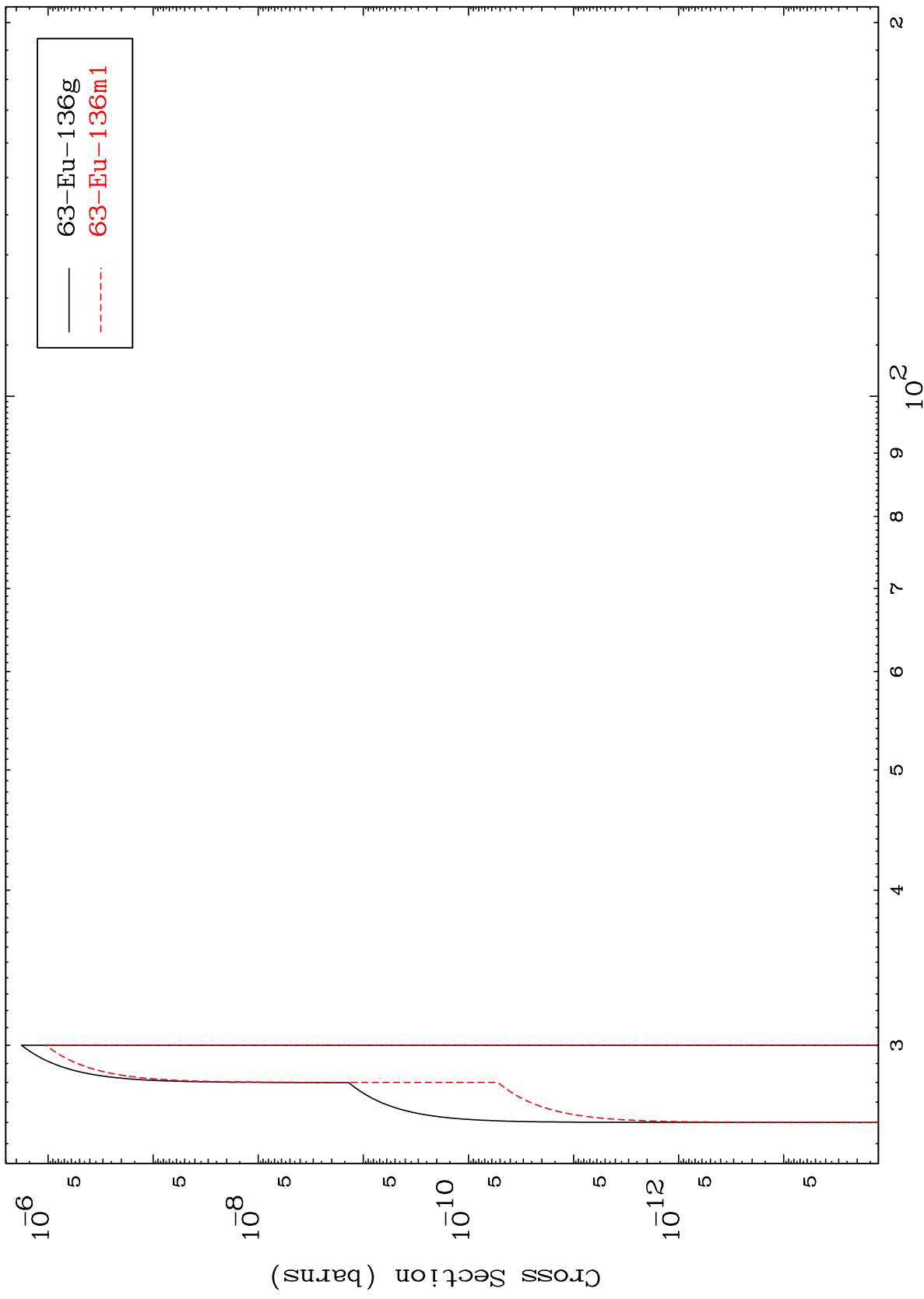


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$(\gamma, 2n)$ p

64-Gd-139

Radionuclide Production Cross Section



13

Incident Energy (MeV)

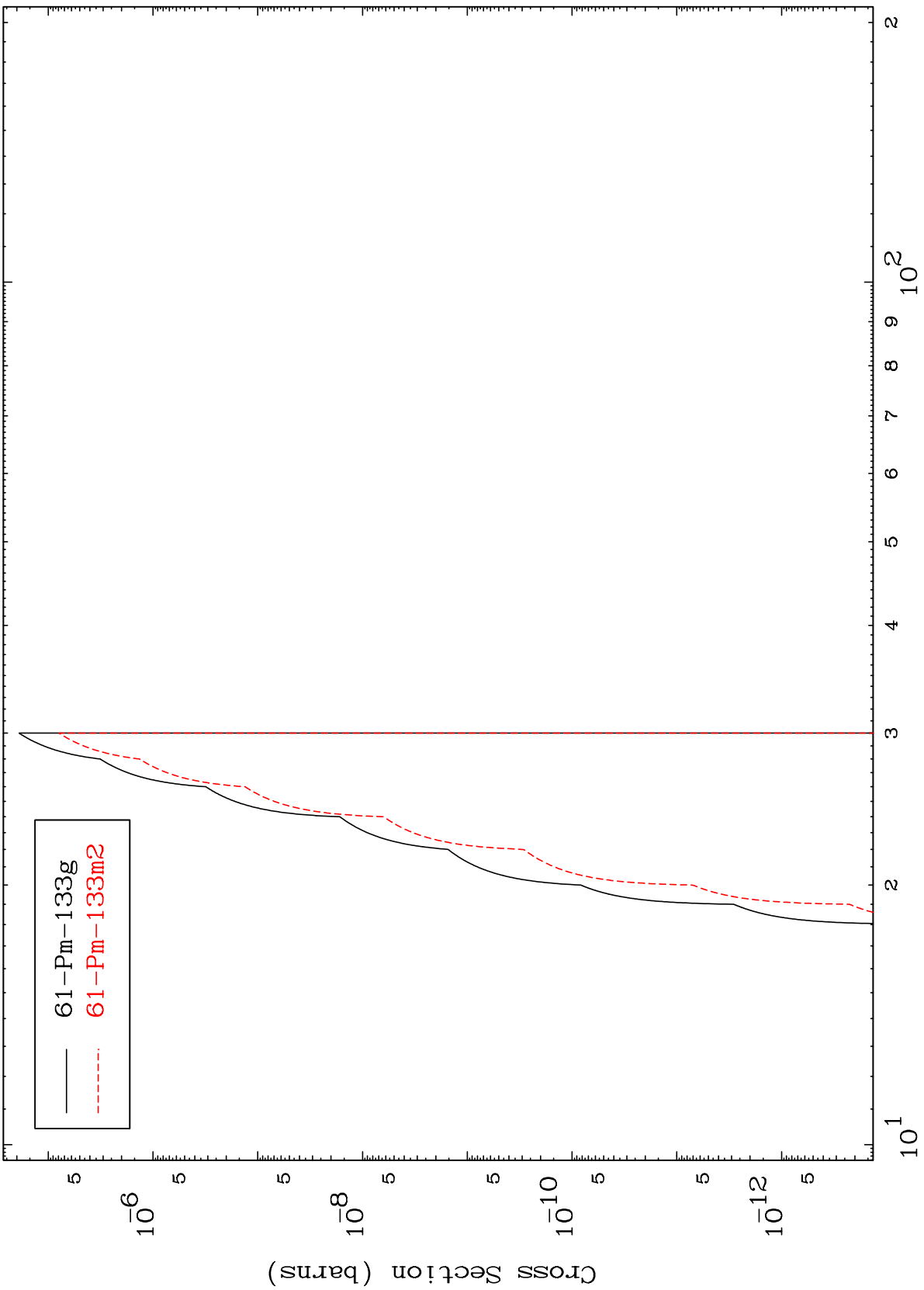
64-Gd-139

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(γ, n') p α

64-Gd-139

Radionuclide Production Cross Section



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

Incident Energy (MeV)

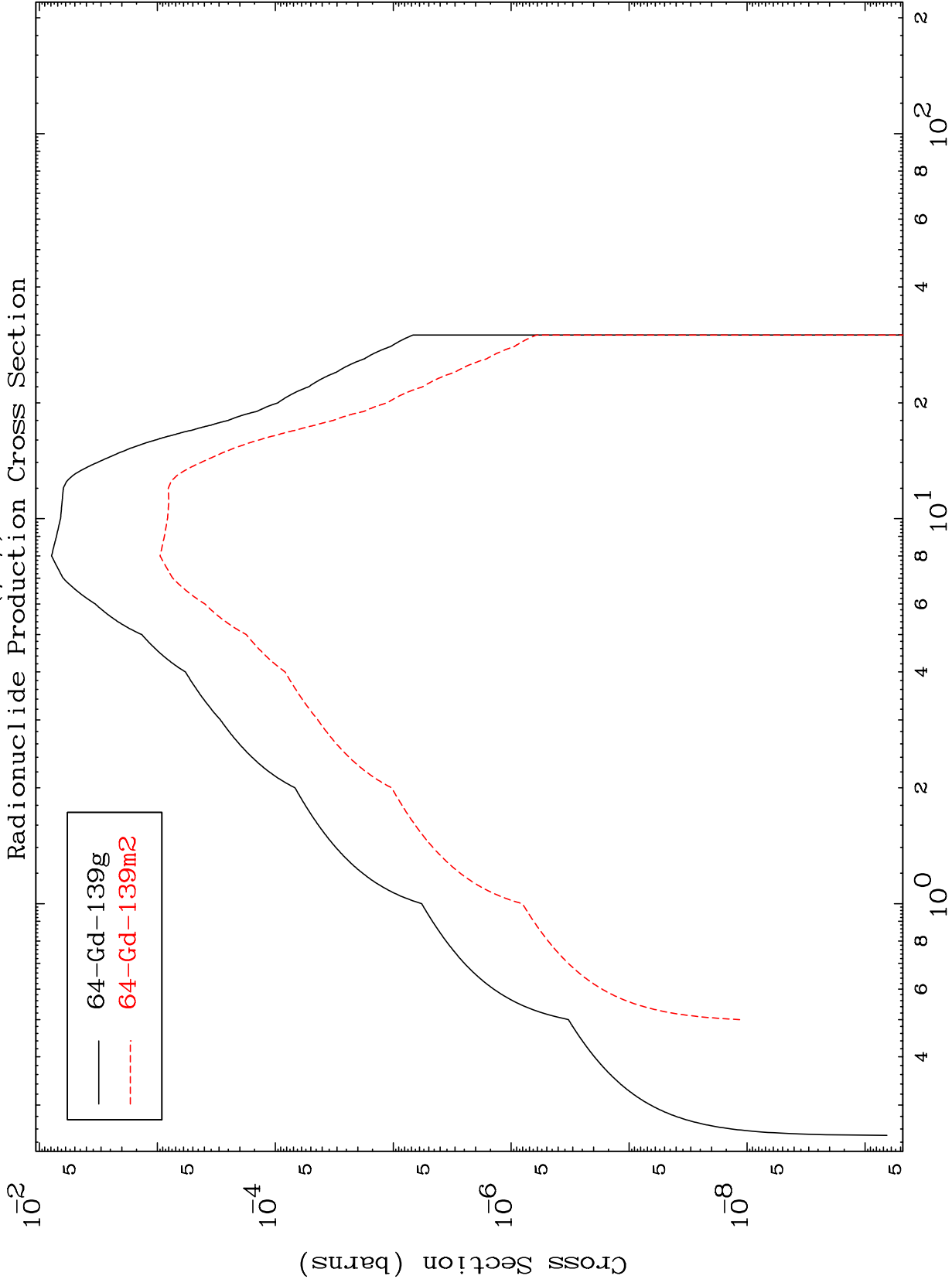
64-Gd-139

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64-Gd-139

Radionuclide Production Cross Section
(γ, γ)



15

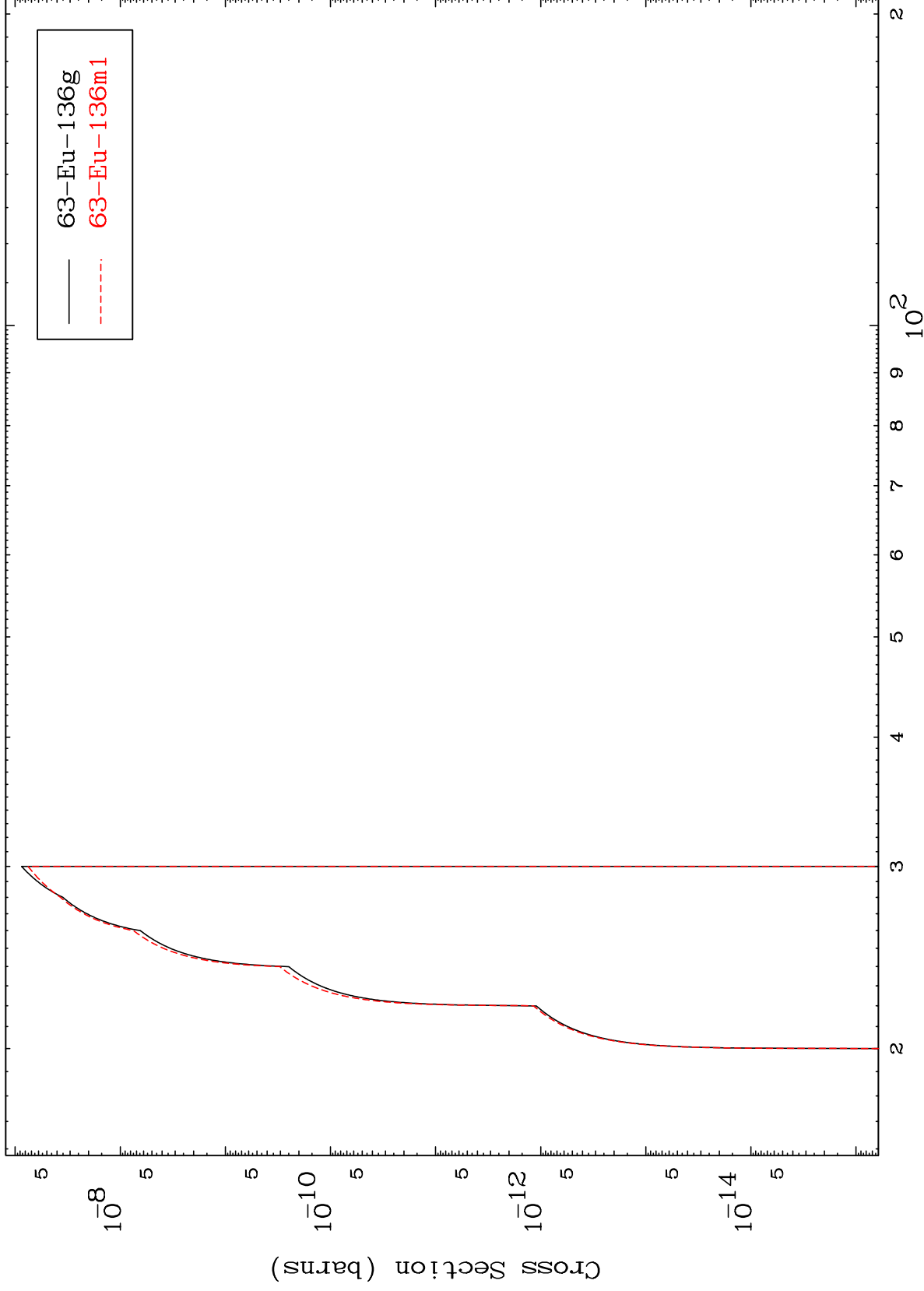
Incident Energy (MeV)

64-Gd-139

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64-Gd-139

(γ, t)
Radionuclide Production Cross Section



16

64-Gd-139

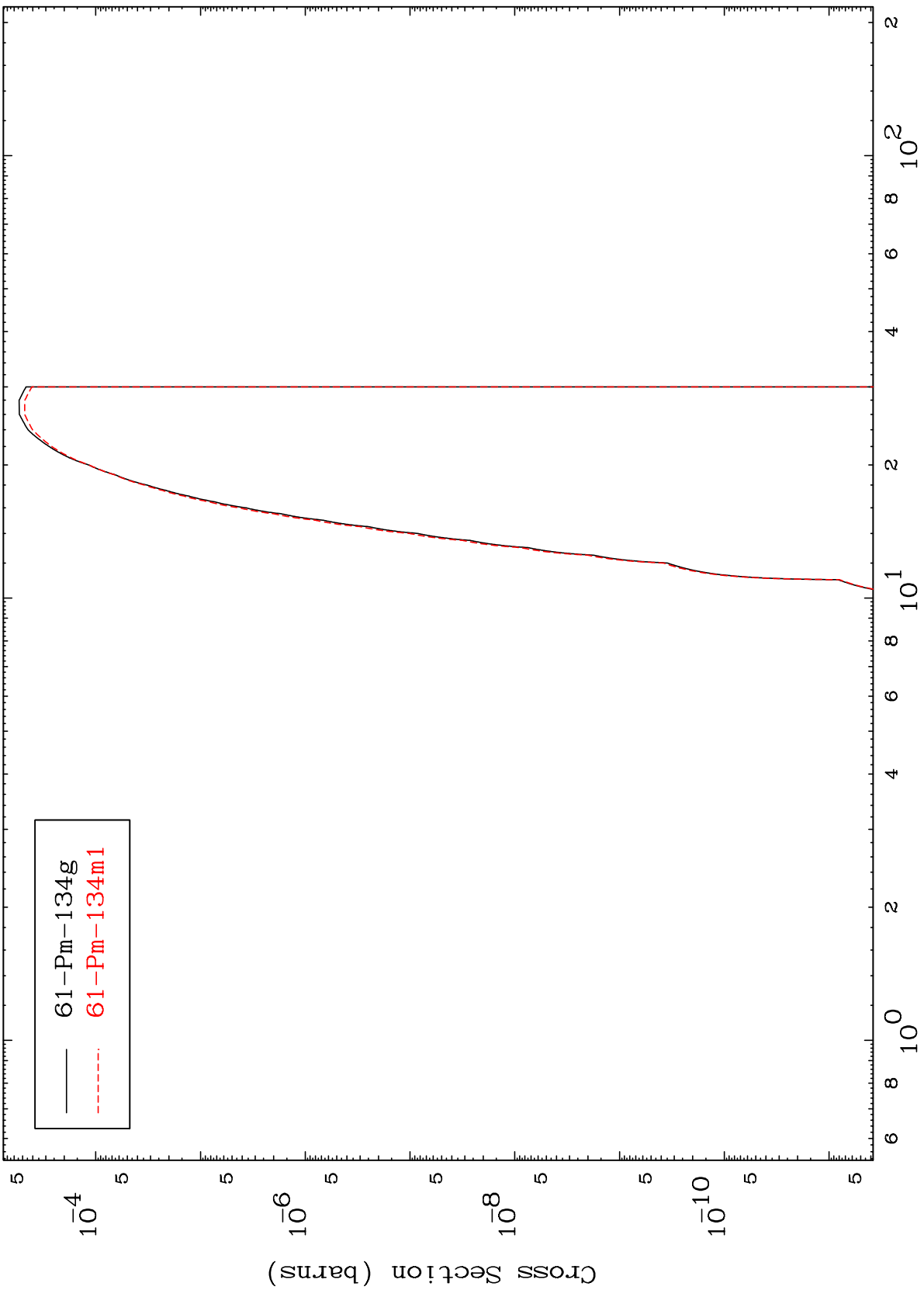
Incident Energy (MeV)

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(γ, p) α

64-Gd-139

Radionuclide Production Cross Section



61-Pm-134g
61-Pm-134m1

17

Incident Energy (MeV)

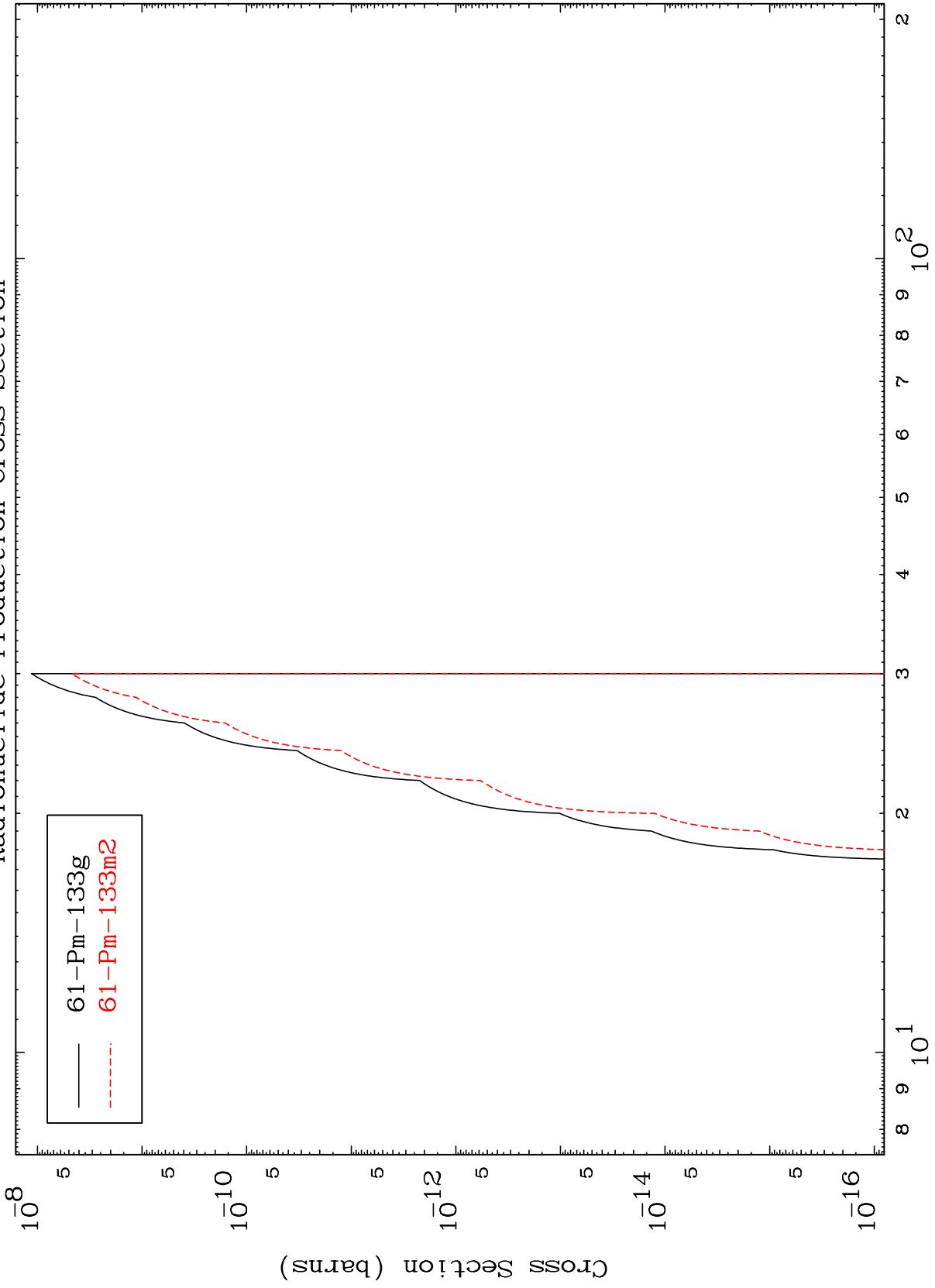
64-Gd-139

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(γ, d) α

64-Gd-139

Radionuclide Production Cross Section



18

Incident Energy (MeV)

64-Gd-139