

Program EVALPLOT
(Version 2017-1)

by

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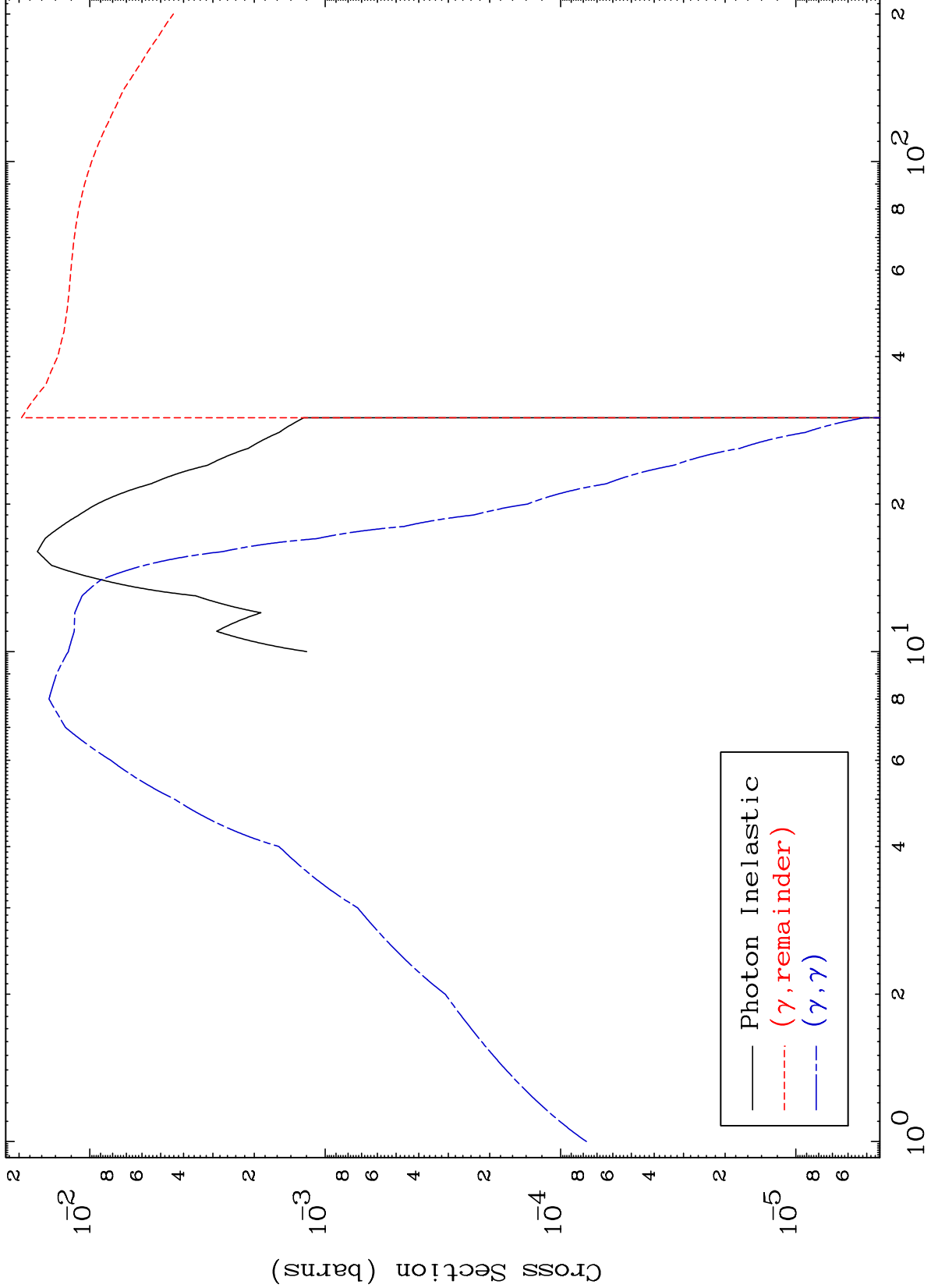
Press Mouse Button to Start

MAT 6387

Photon Major

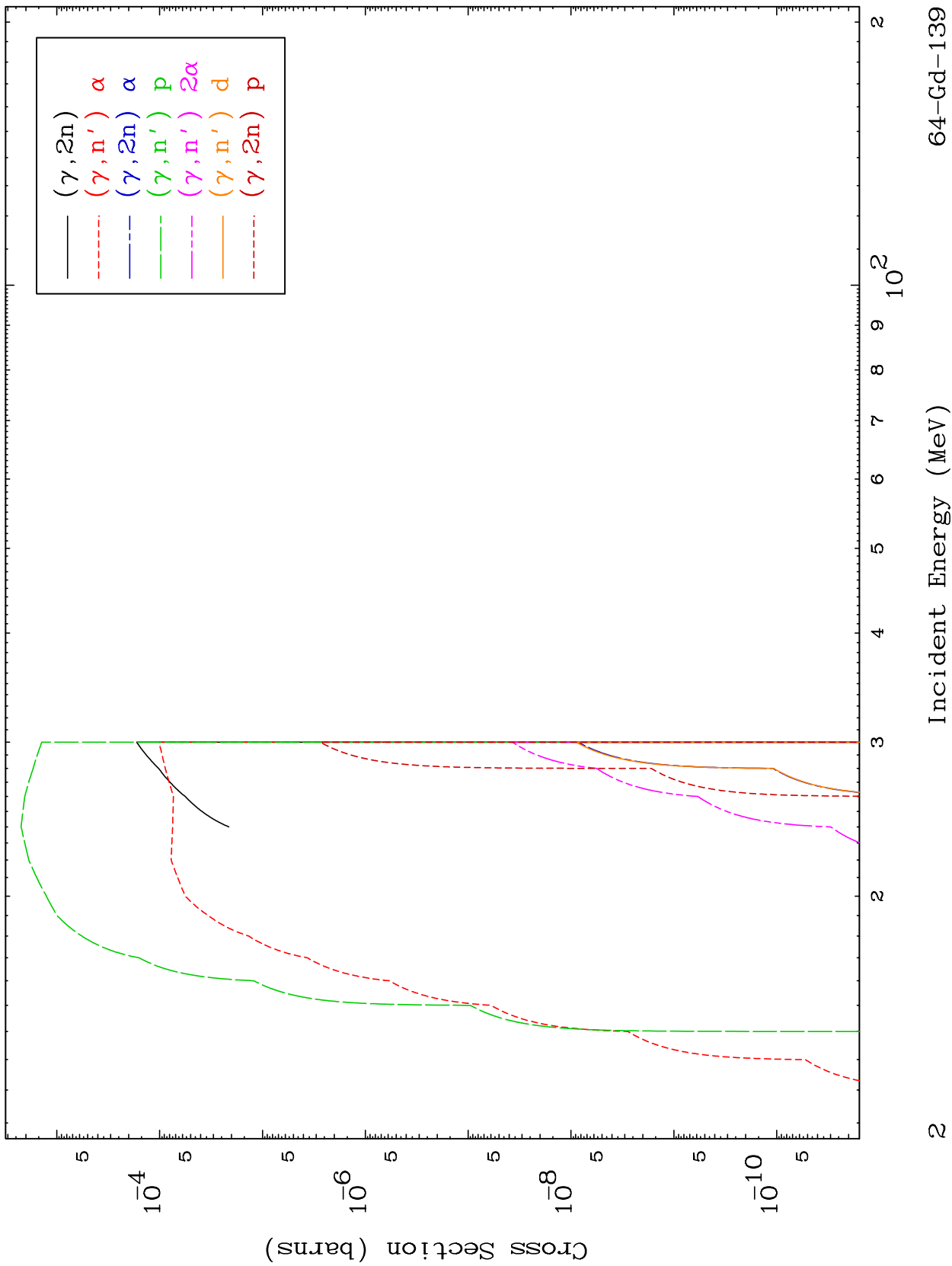
64-Gd-139

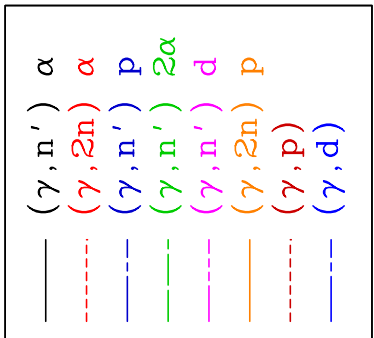
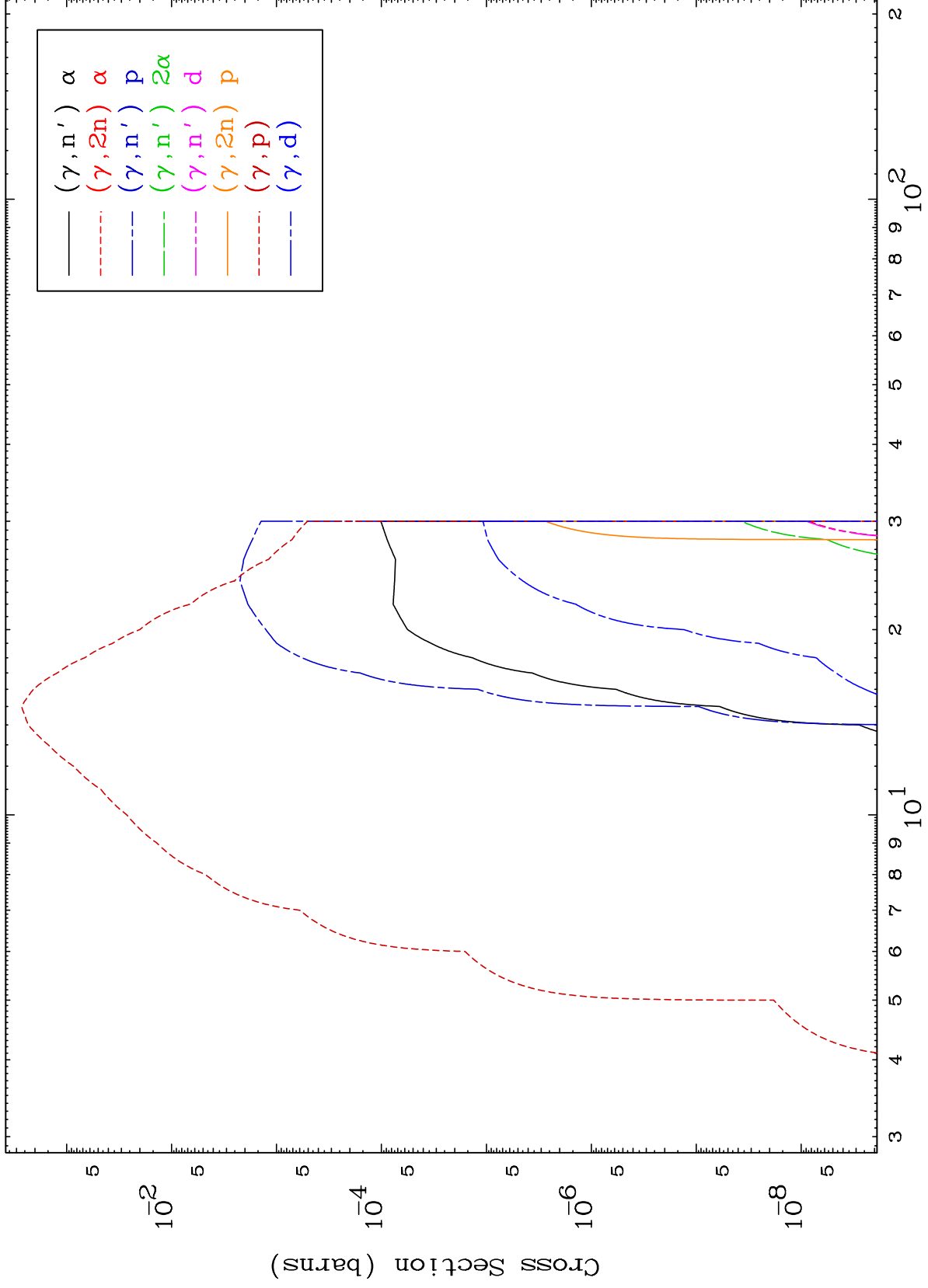
0 Kelvin Cross Sections



Incident Energy (MeV)

64-Gd-139

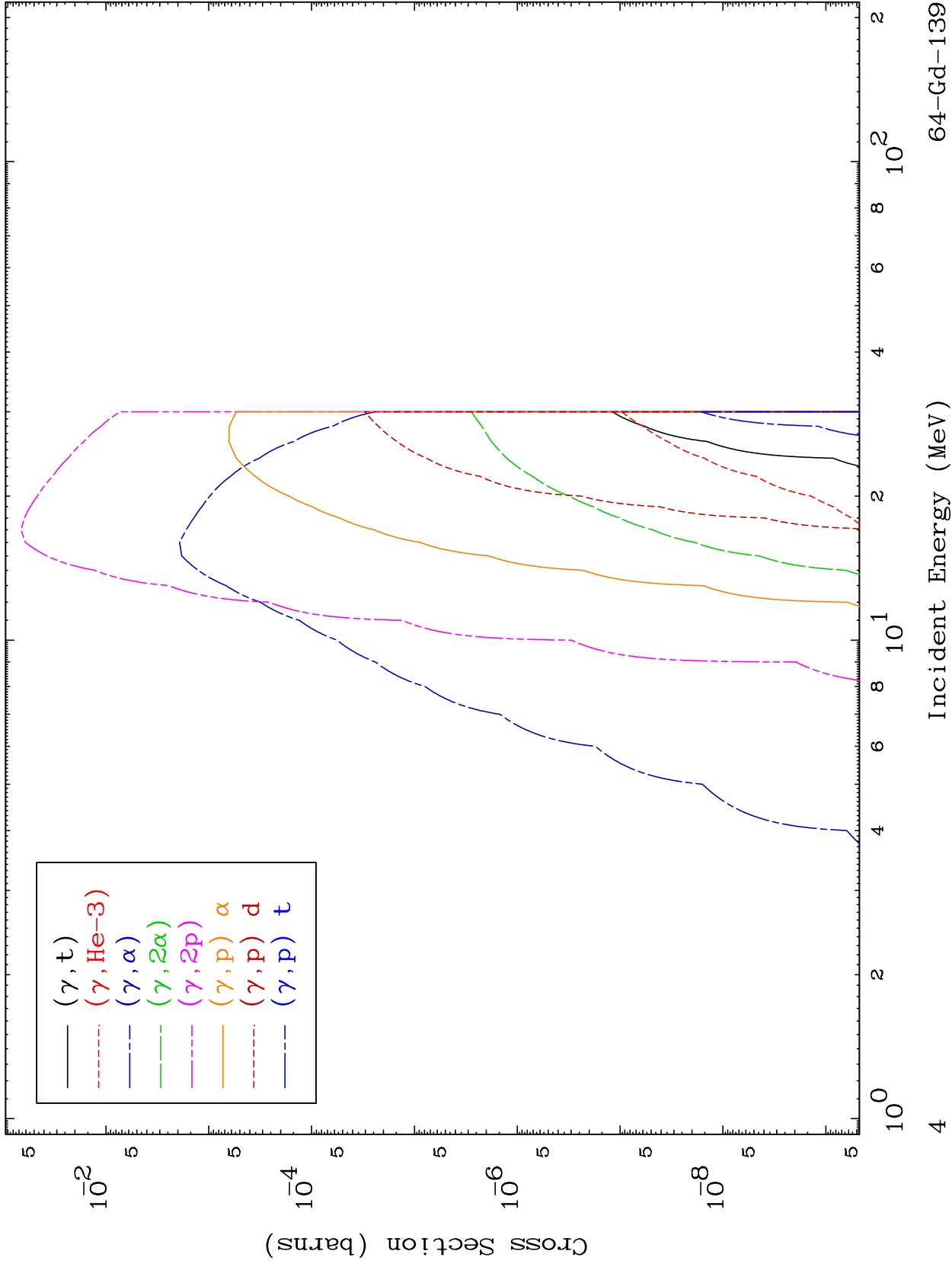




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Photon Charged Particle
0 Kelvin Cross Sections

64-Gd-139



64-Gd-139

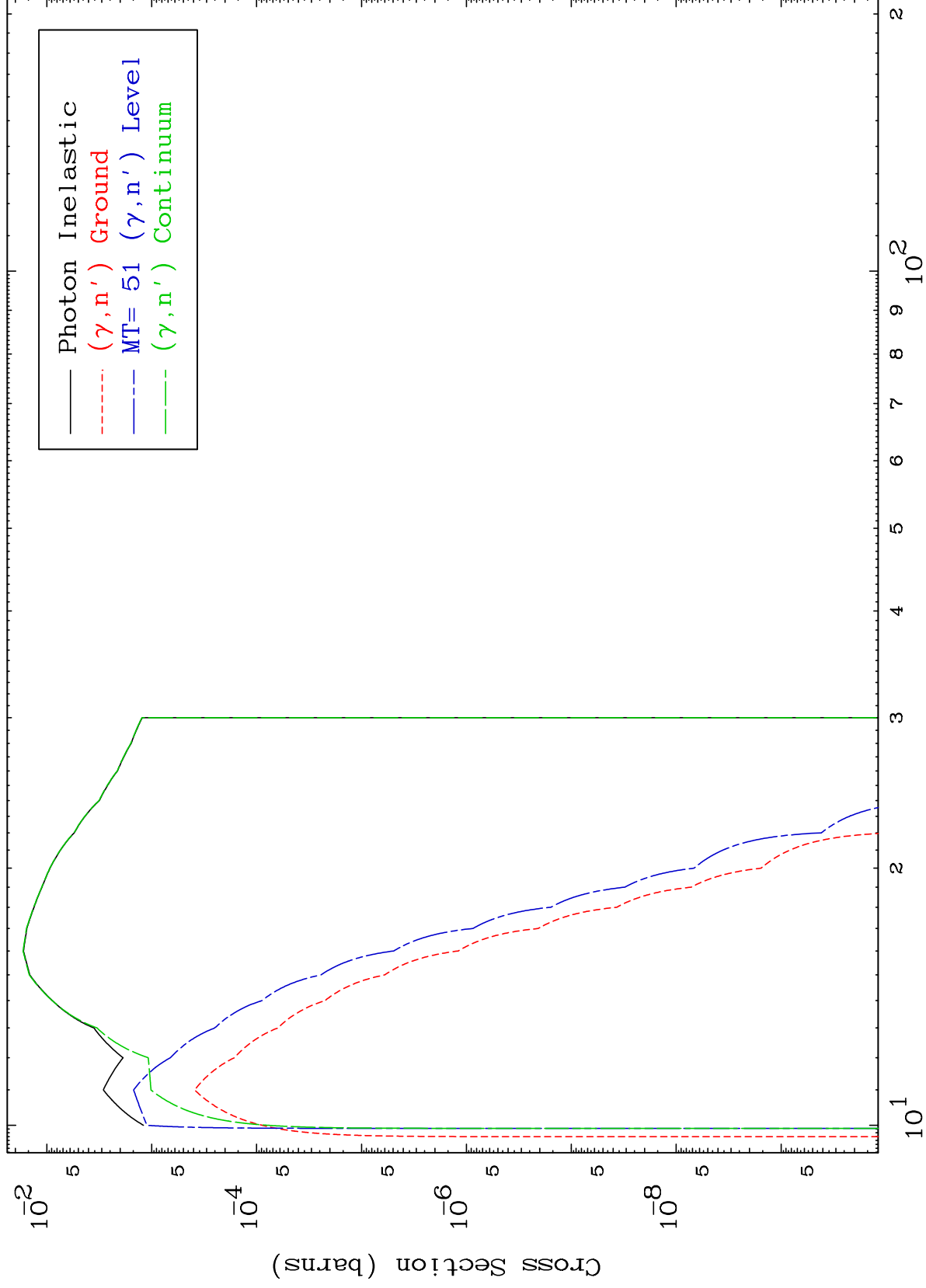
Incident Energy (MeV)

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(γ, n') Level

64-Gd-139

0 Kelvin Cross Sections



Incident Energy (MeV)

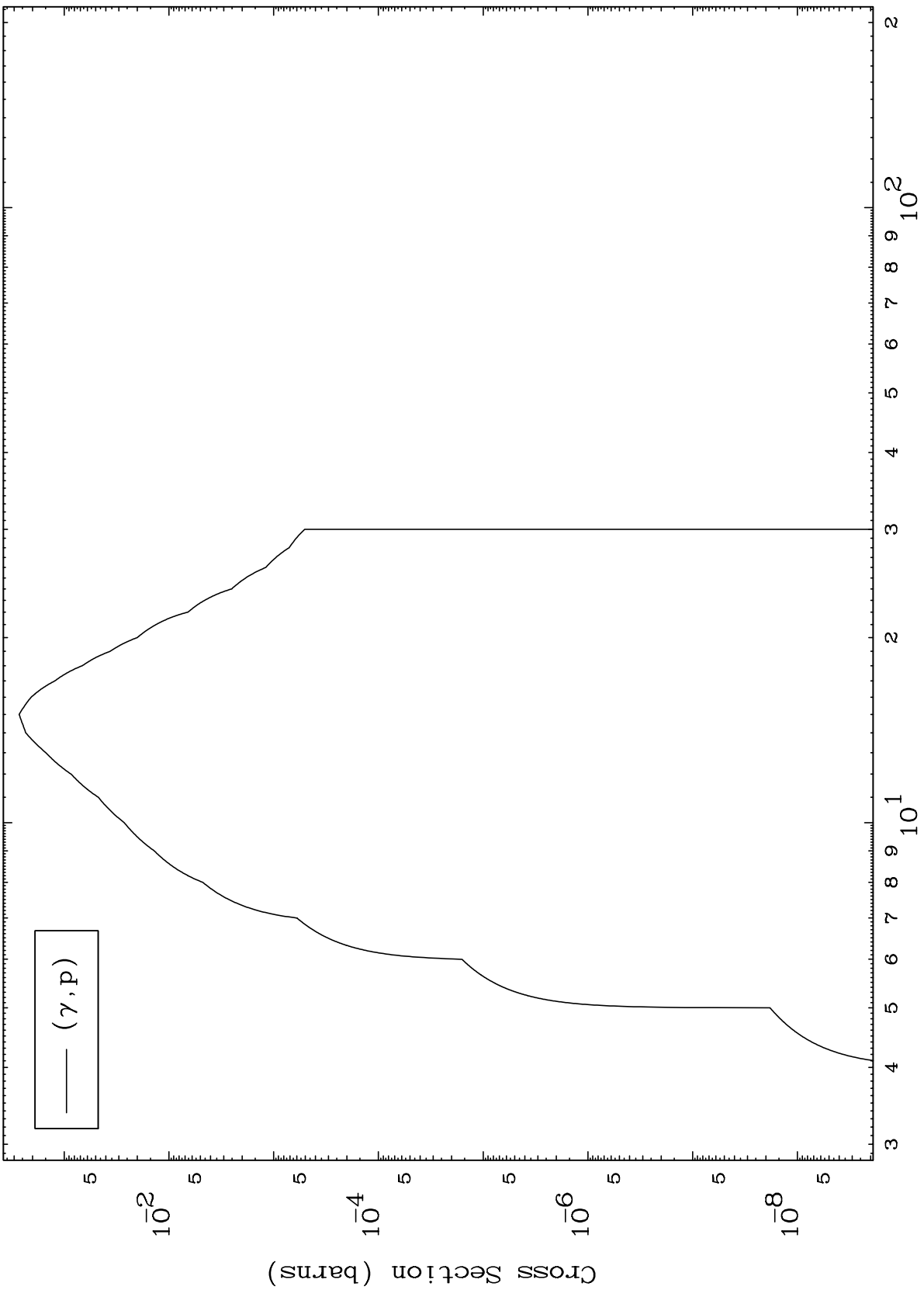
64-Gd-139

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(γ, p) Levels

64-Gd-139

0 Kelvin Cross Sections



6

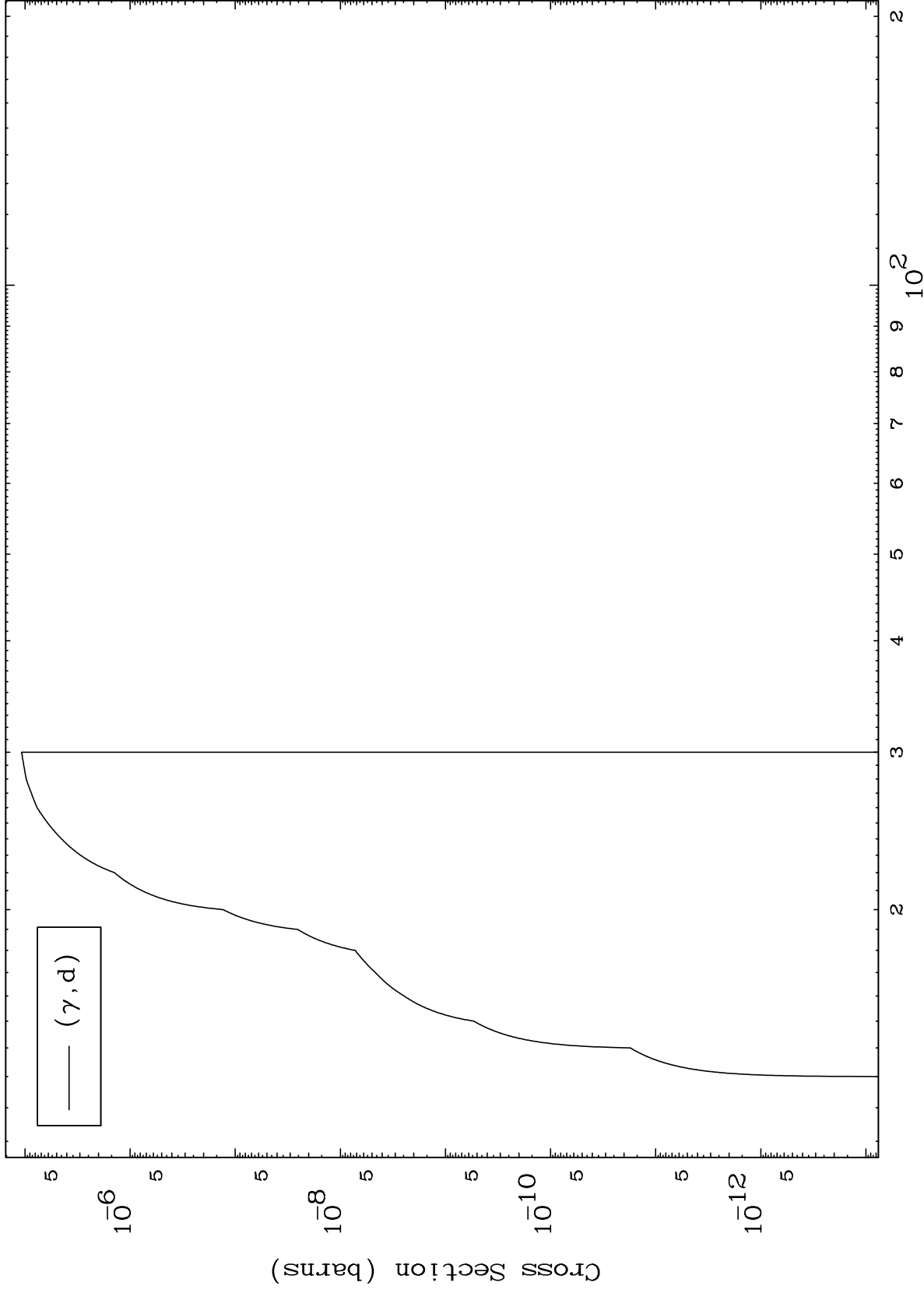
Incident Energy (MeV)

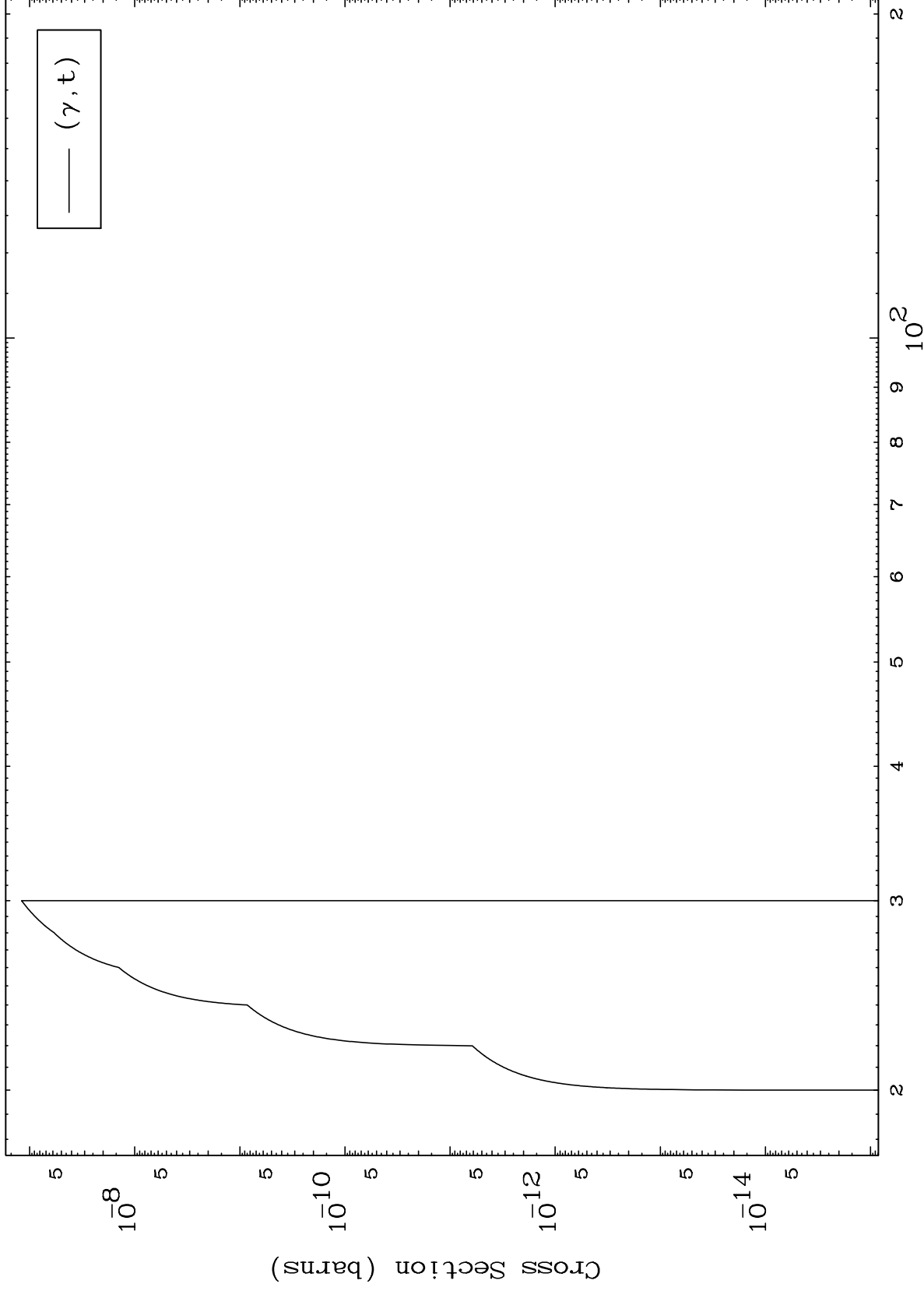
64-Gd-139

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(γ, d) Levels
0 Kelvin Cross Sections

64-Gd-139

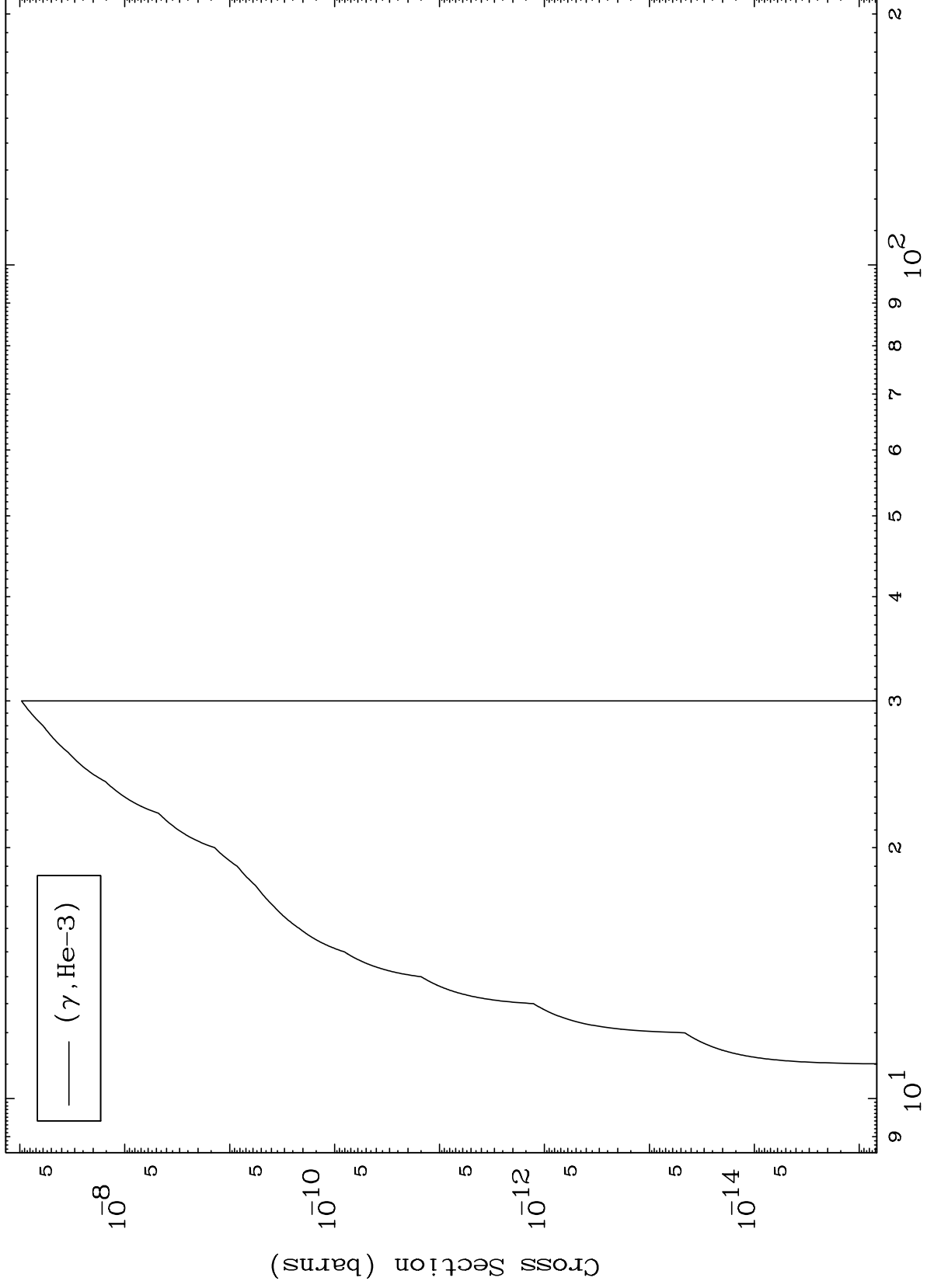




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($\gamma, \text{He}3$) Levels
0 Kelvin Cross Sections

64-Gd-139



9

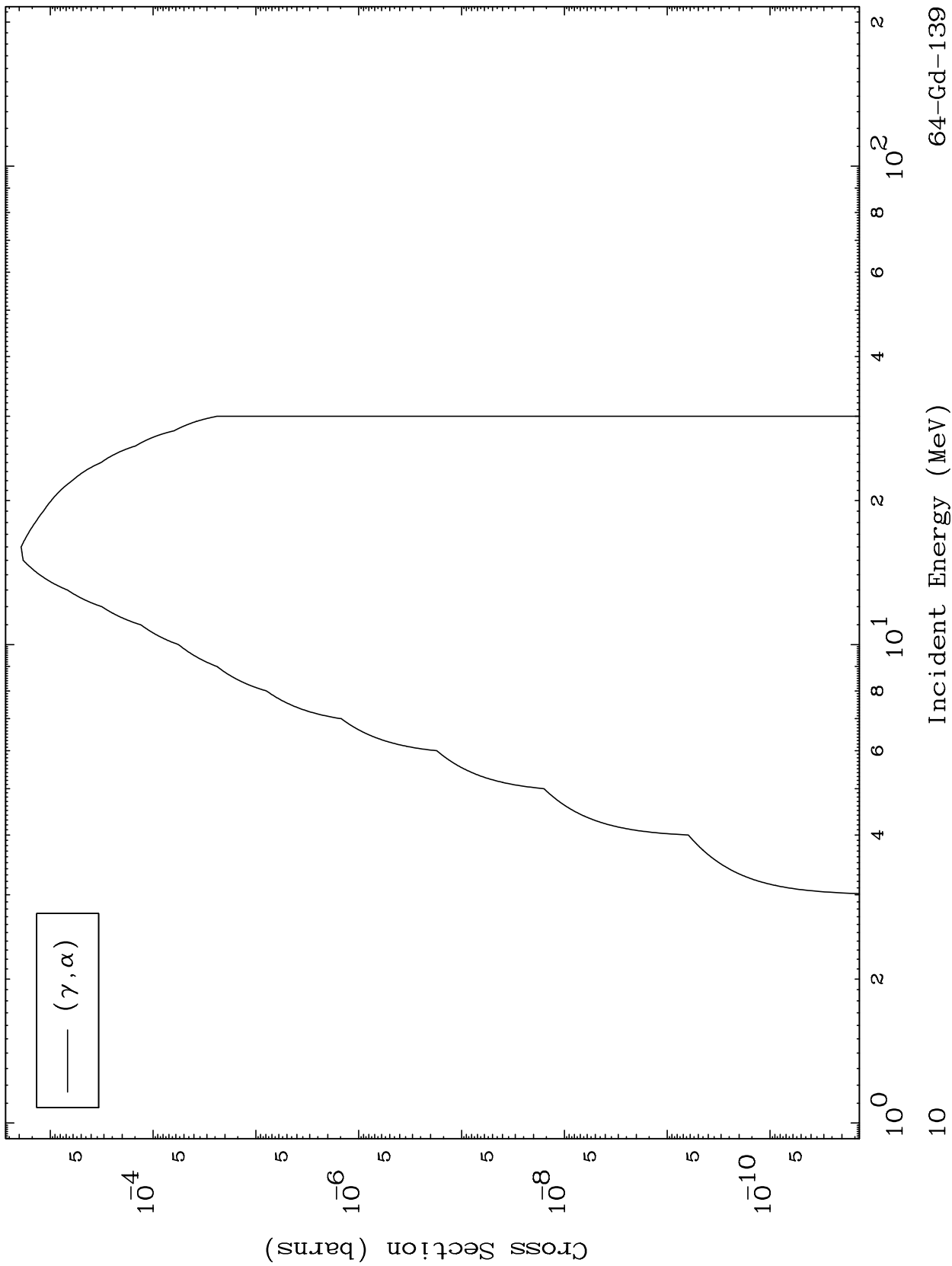
Incident Energy (MeV)

64-Gd-139

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64-Gd-139

(γ, α) Levels
0 Kelvin Cross Sections



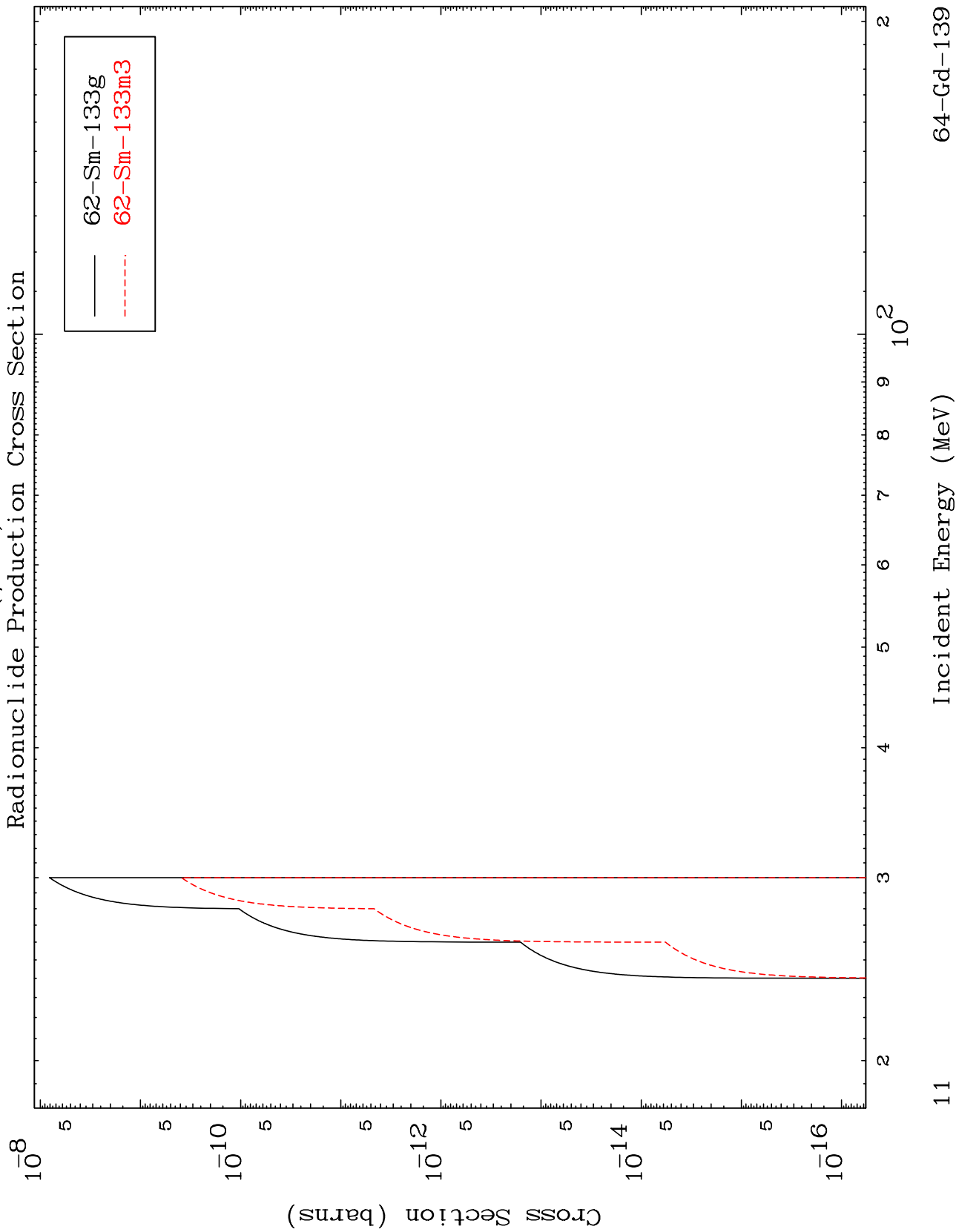
64-Gd-139

Incident Energy (MeV)

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$(\gamma, 2n) \alpha$

64-Gd-139



11

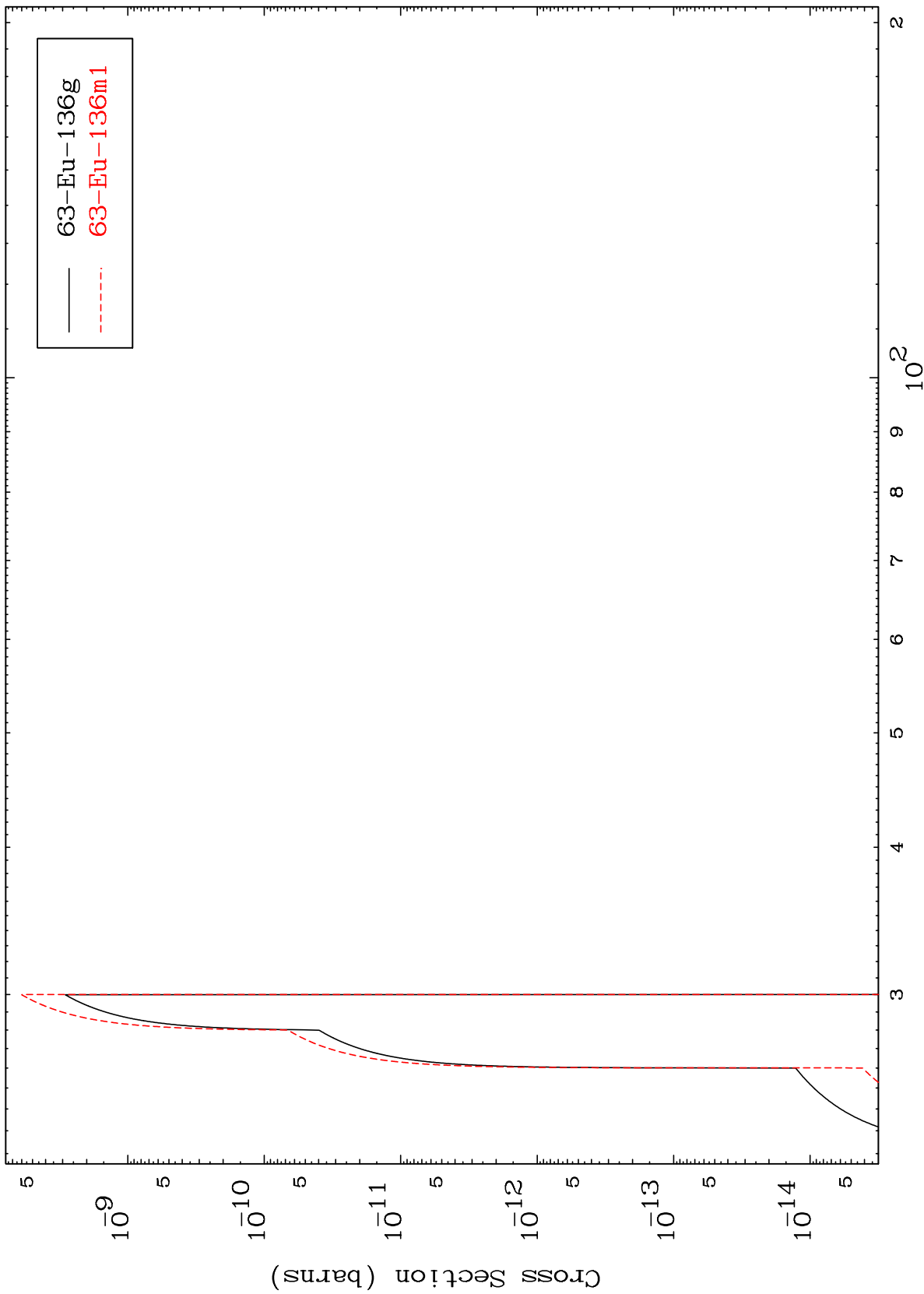
64-Gd-139

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(γ, n') d

64-Gd-139

Radionuclide Production Cross Section



12

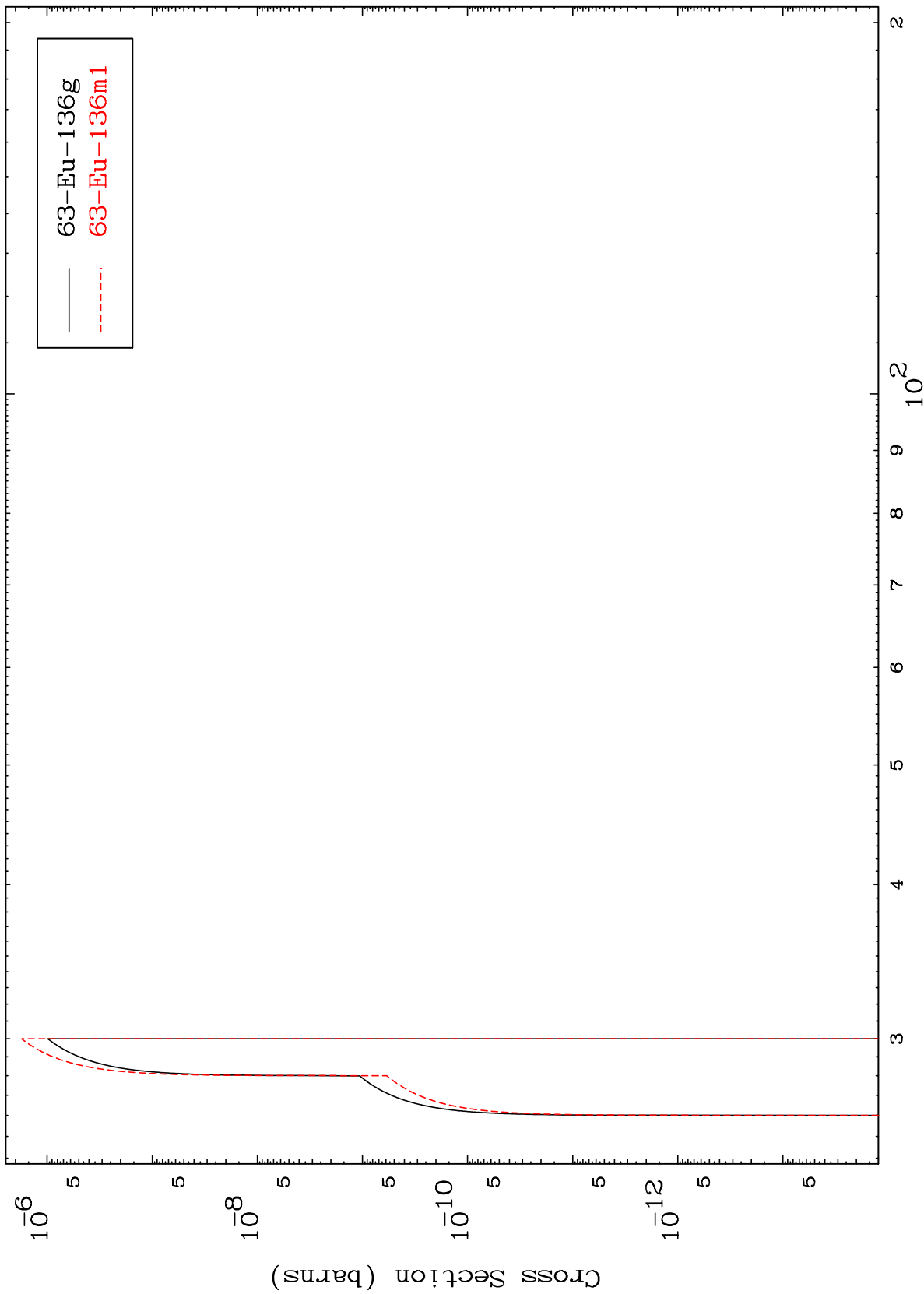
Incident Energy (MeV)

64-Gd-139

MAT 6387

64-Gd-139

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



13

64-Gd-139

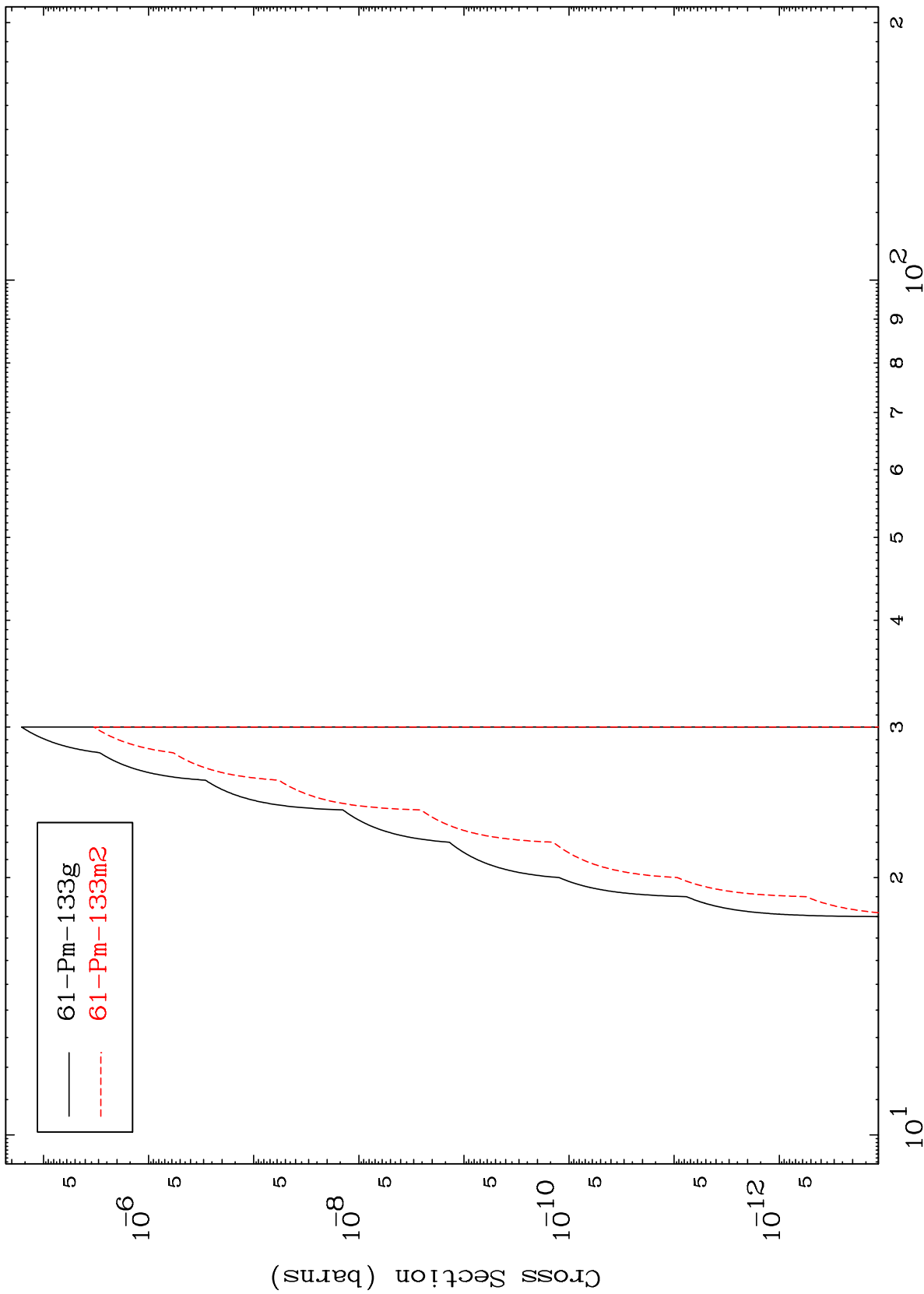
Incident Energy (MeV)

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(γ, n') p α

64-Gd-139

Radionuclide Production Cross Section



14

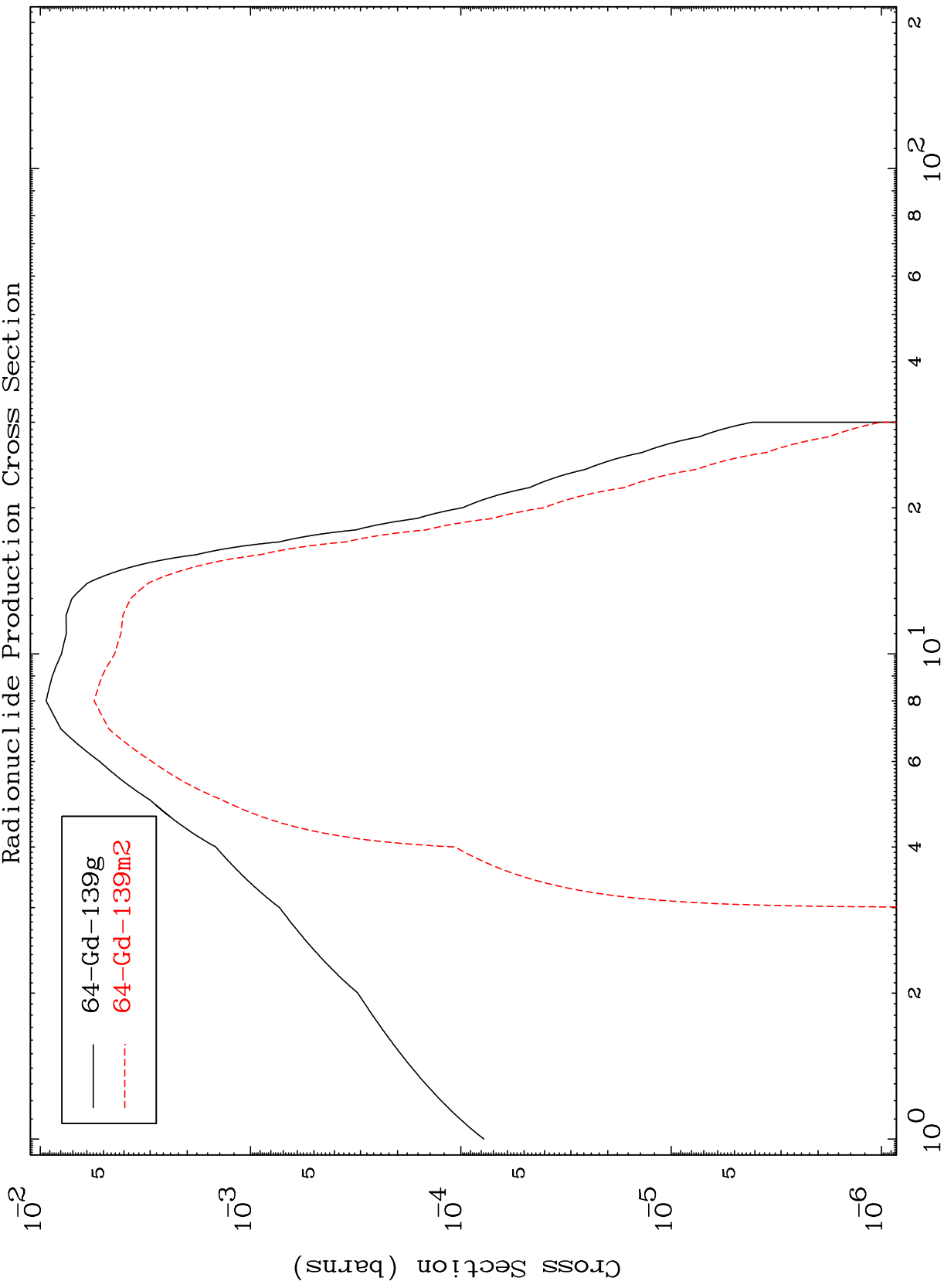
Incident Energy (MeV)

64-Gd-139

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64-Gd-139

Radionuclide Production Cross Section



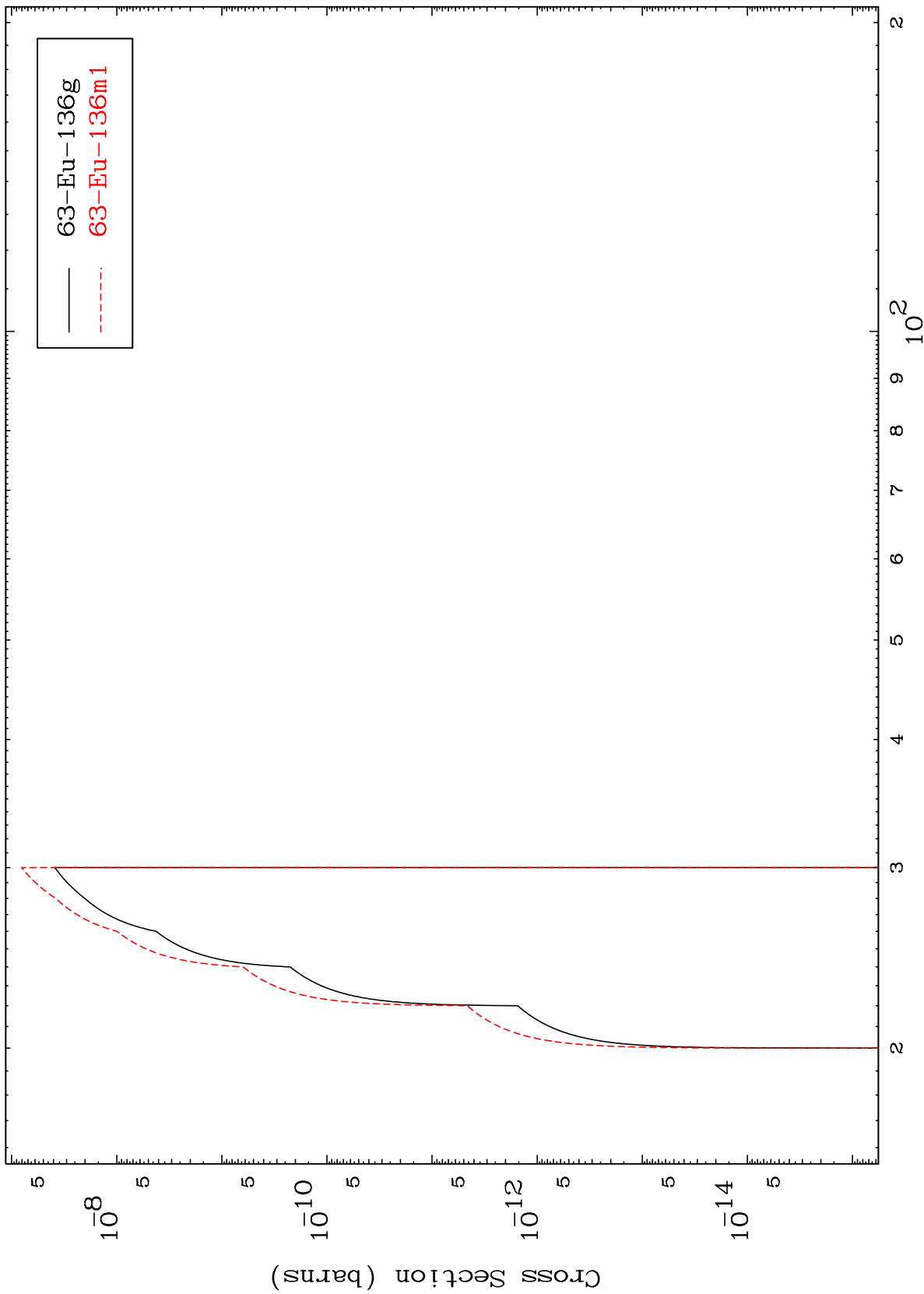
Incident Energy (MeV)

64-Gd-139

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64-Gd-139

(γ, t)
Radionuclide Production Cross Section



64-Gd-139

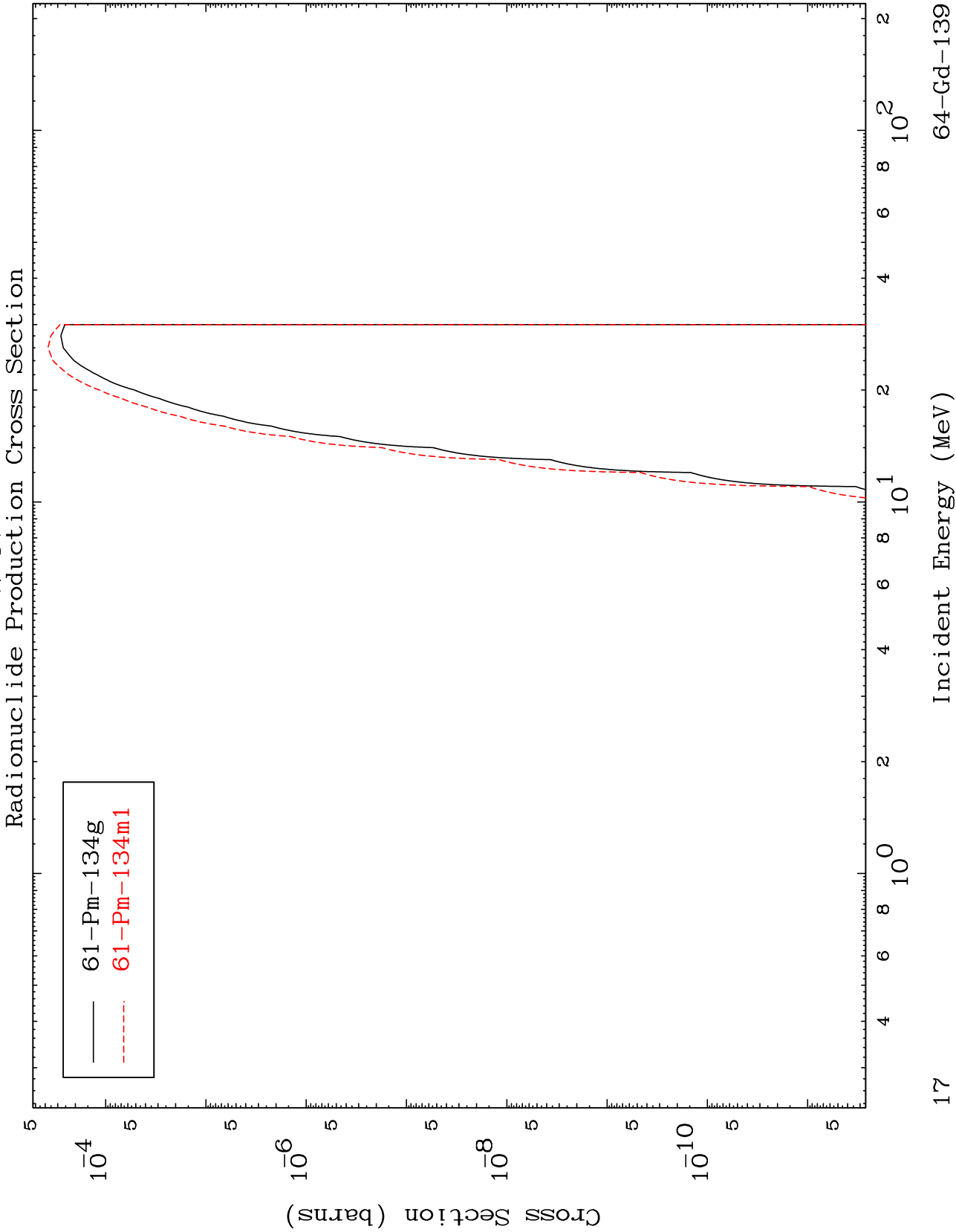
Incident Energy (MeV)

16

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(γ, p) α

64-Gd-139

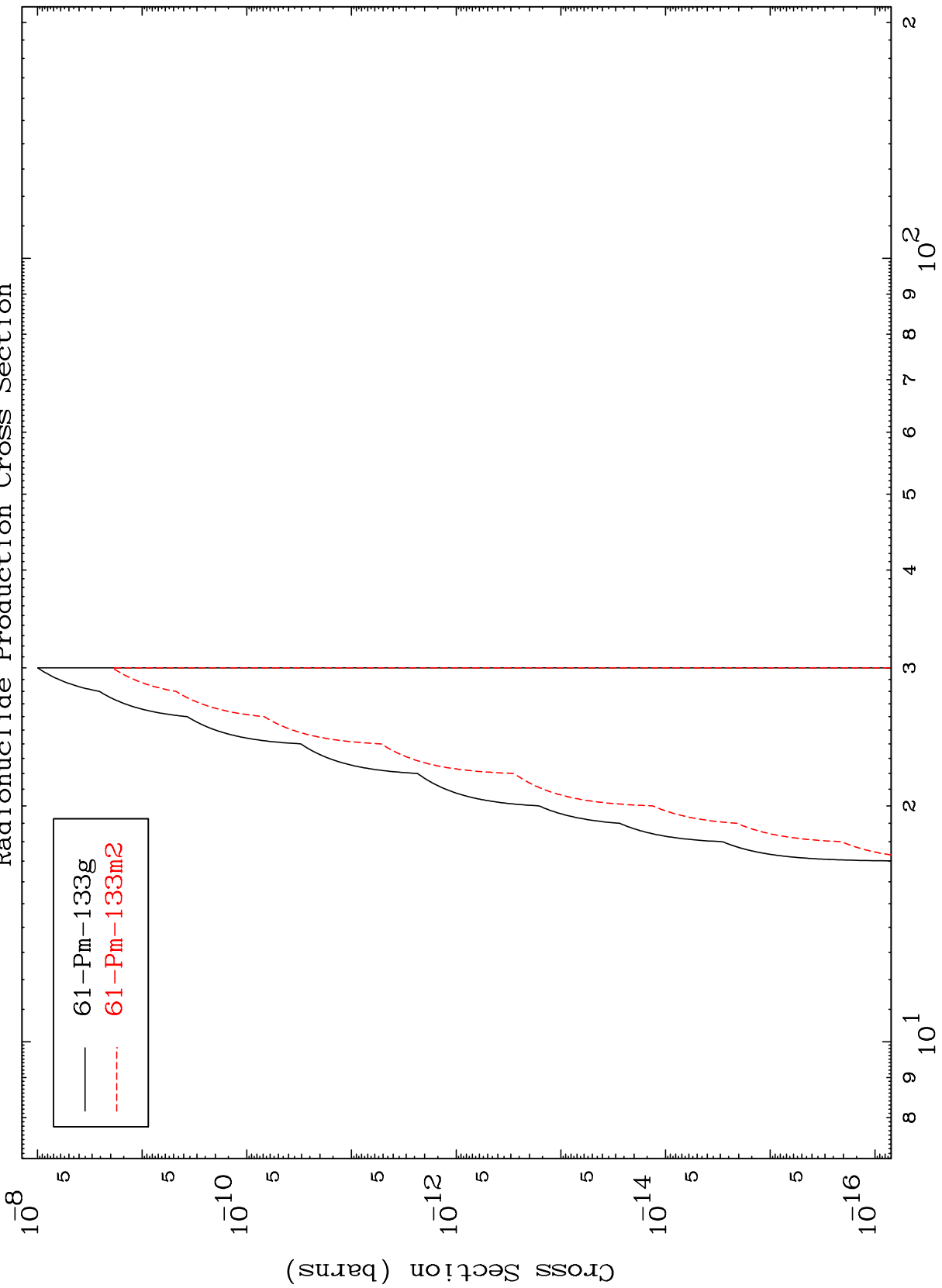


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(γ, d) α

64-Gd-139

Radionuclide Production Cross Section



18

Incident Energy (MeV)

64-Gd-139