

Program EVALPLOT
(Version 2021-1)

by

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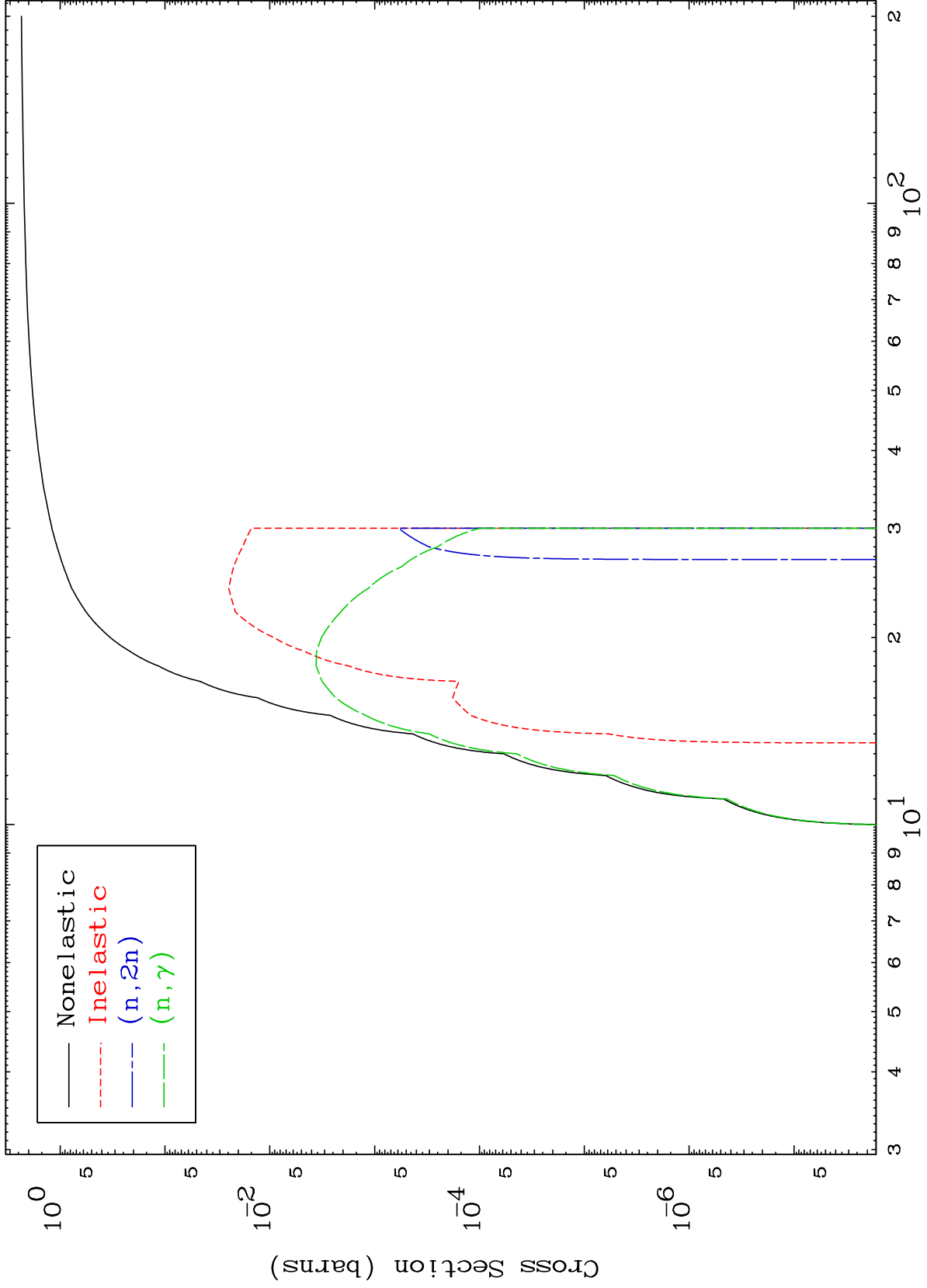
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6386

0 Kelvin Major
 α Major Cross Sections

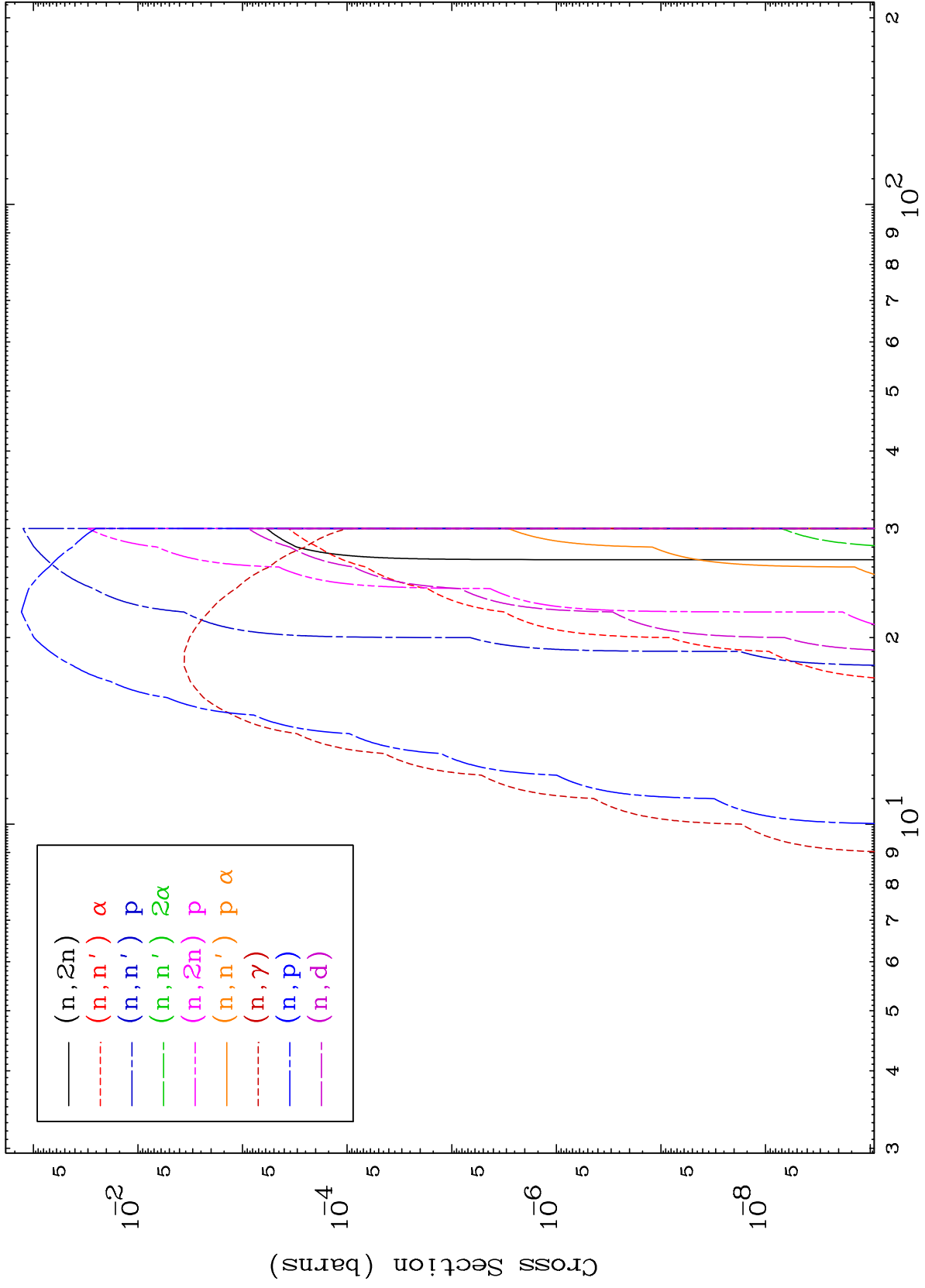
64-Gd-139



1

Incident Energy (MeV)

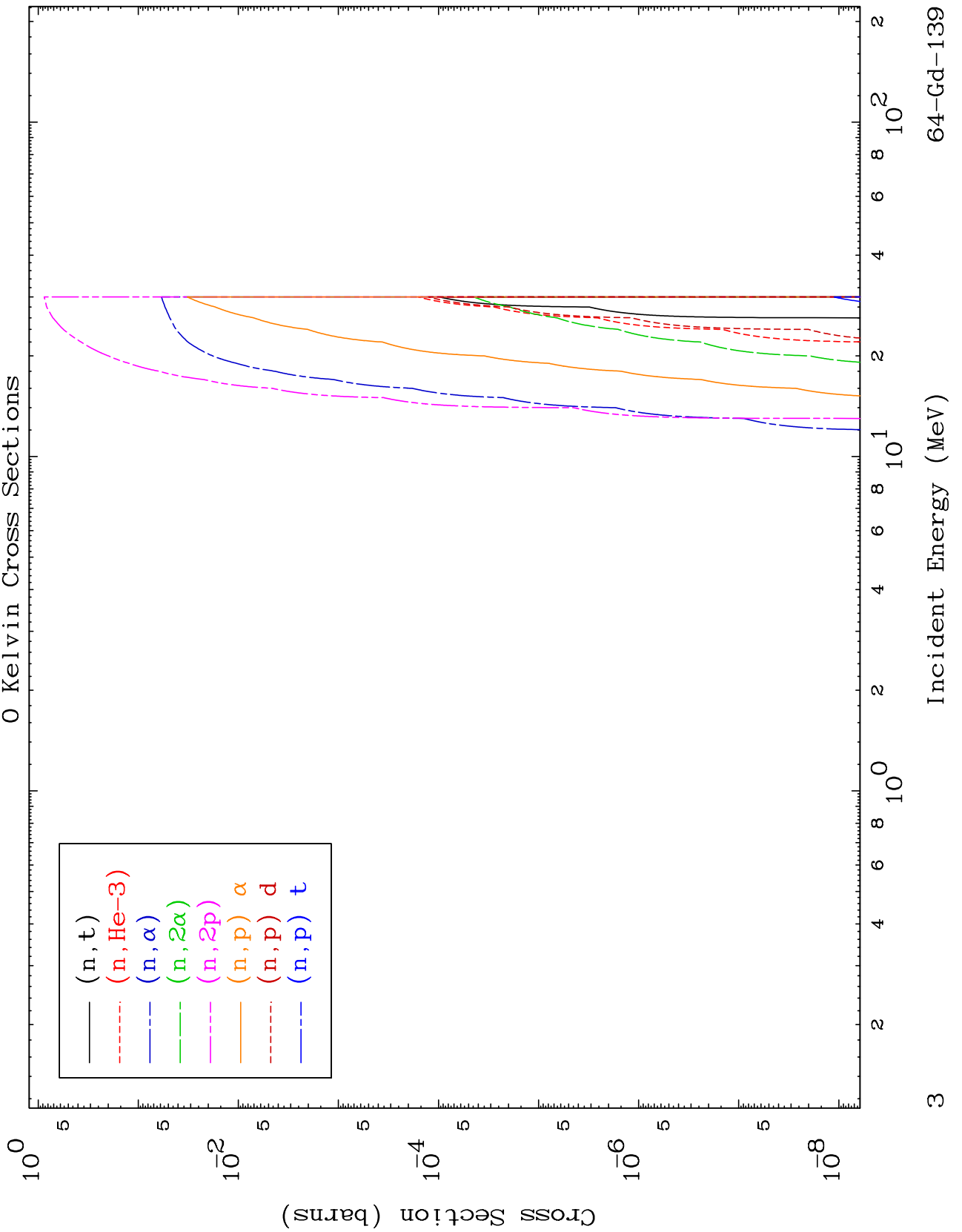
64-Gd-139



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α Neutron Absorption
0 Kelvin Cross Sections

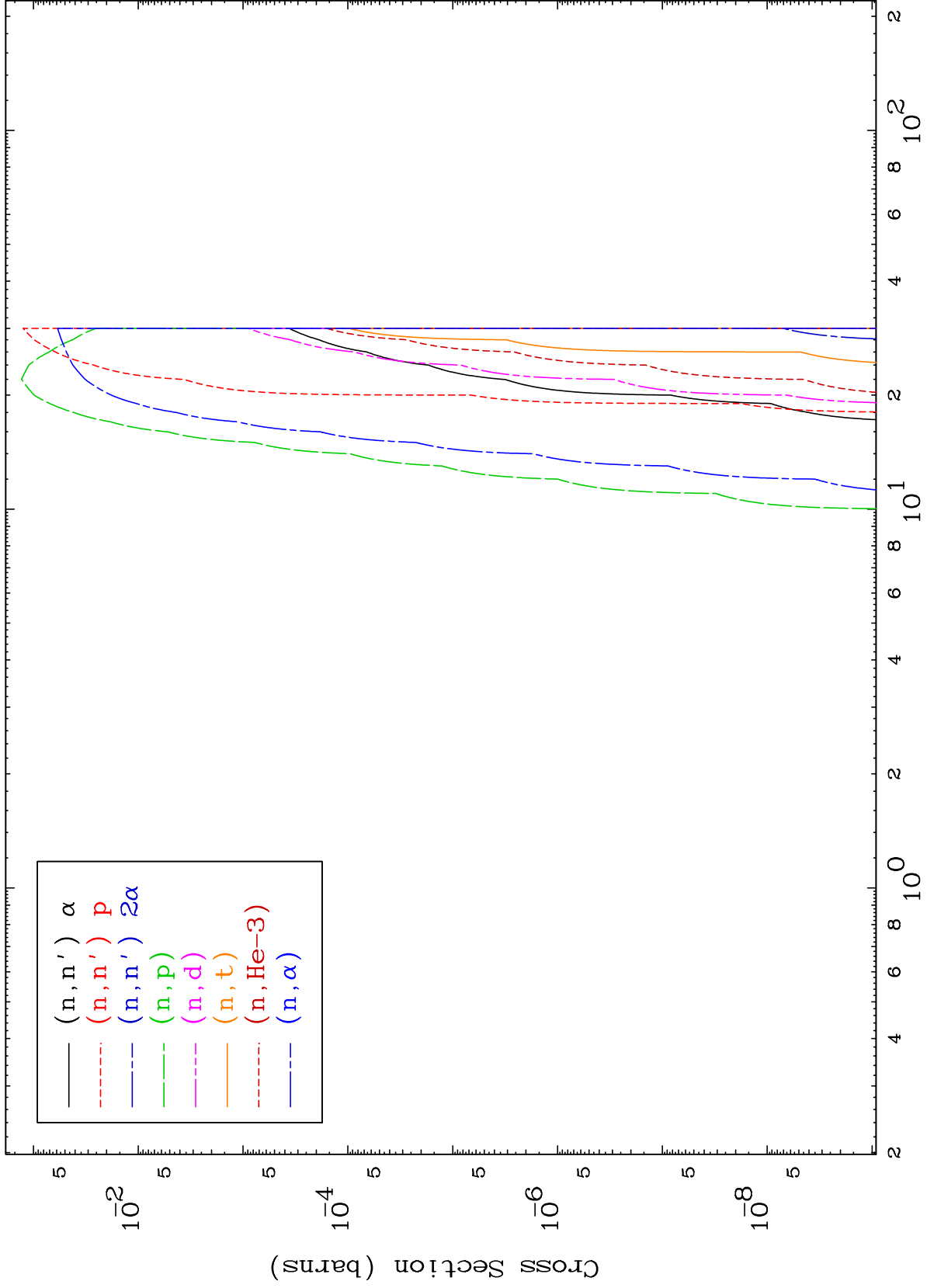
64-Gd-139

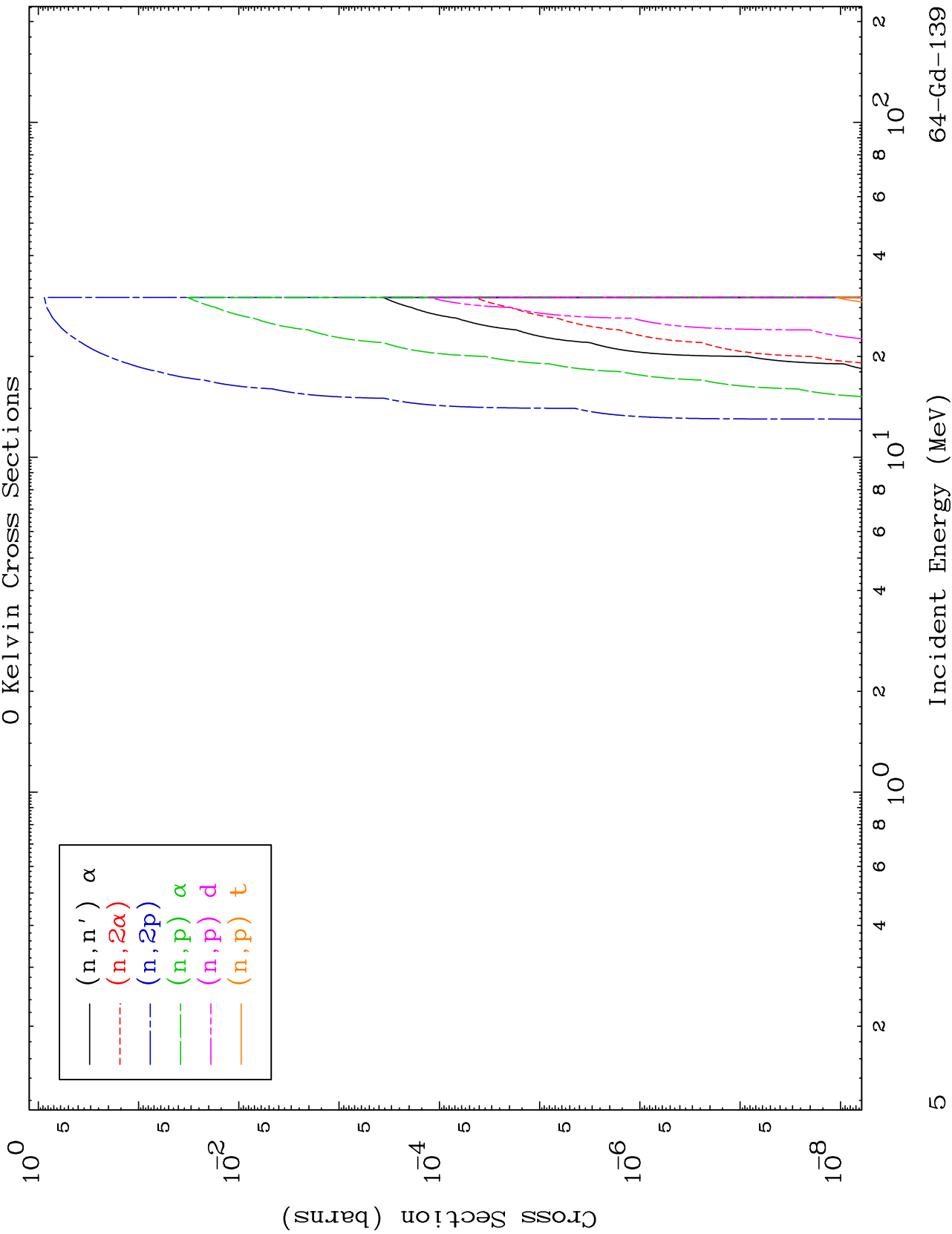


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α Charged Particle
0 Kelvin Cross Sections

64-Gd-139

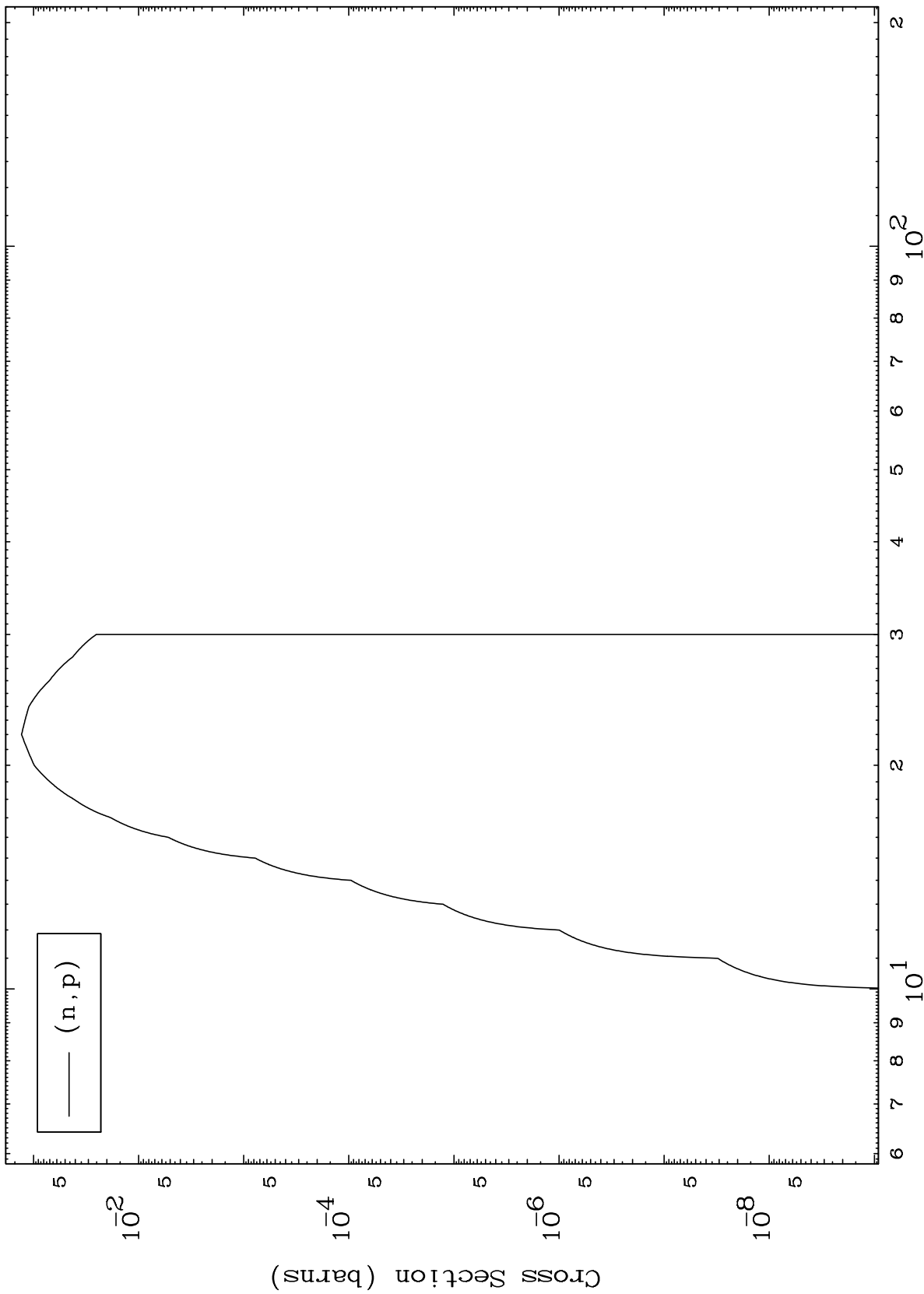




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64-Gd-139

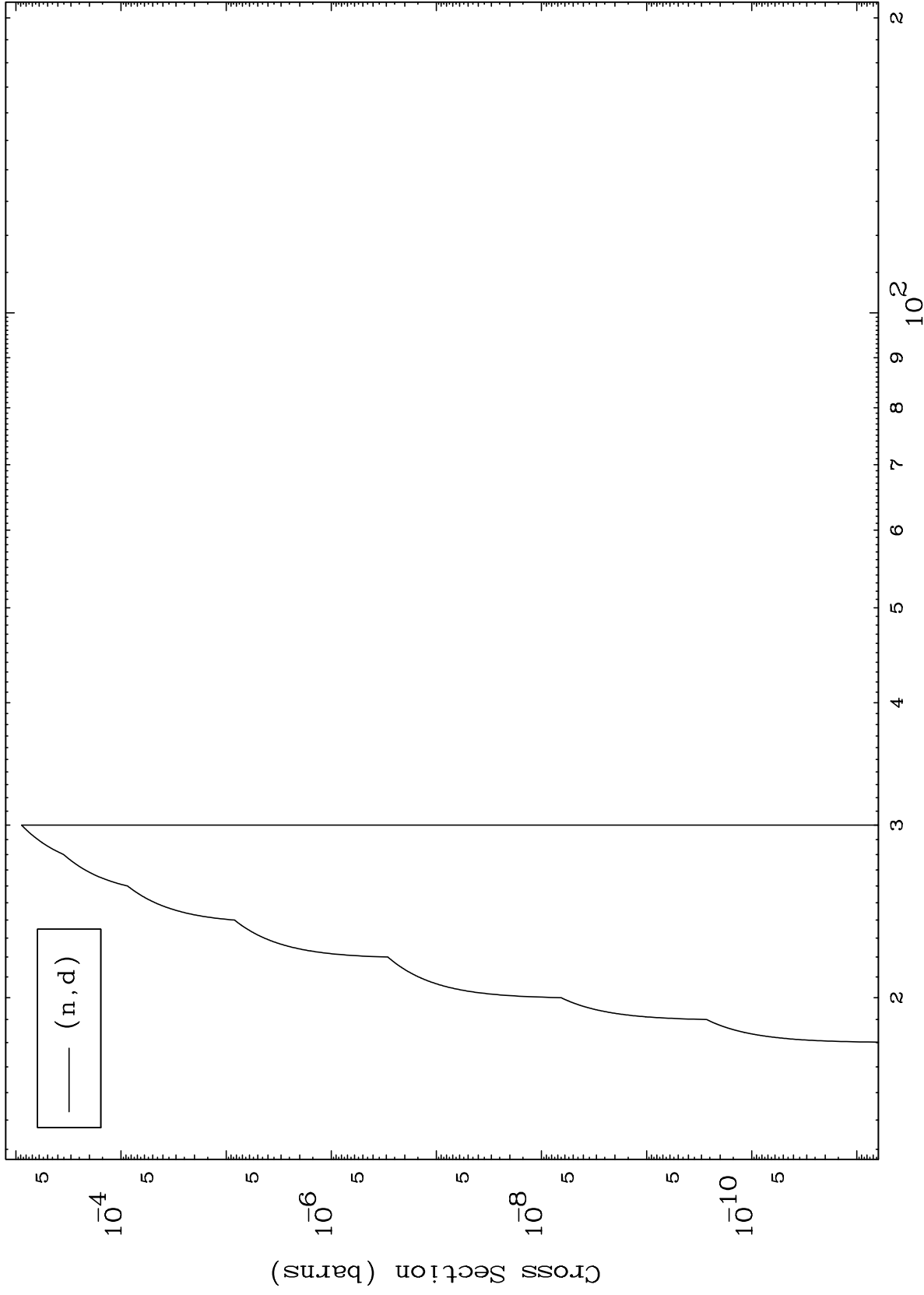
(α, p) Levels
0 Kelvin Cross Sections



64-Gd-139

Incident Energy (MeV)

6

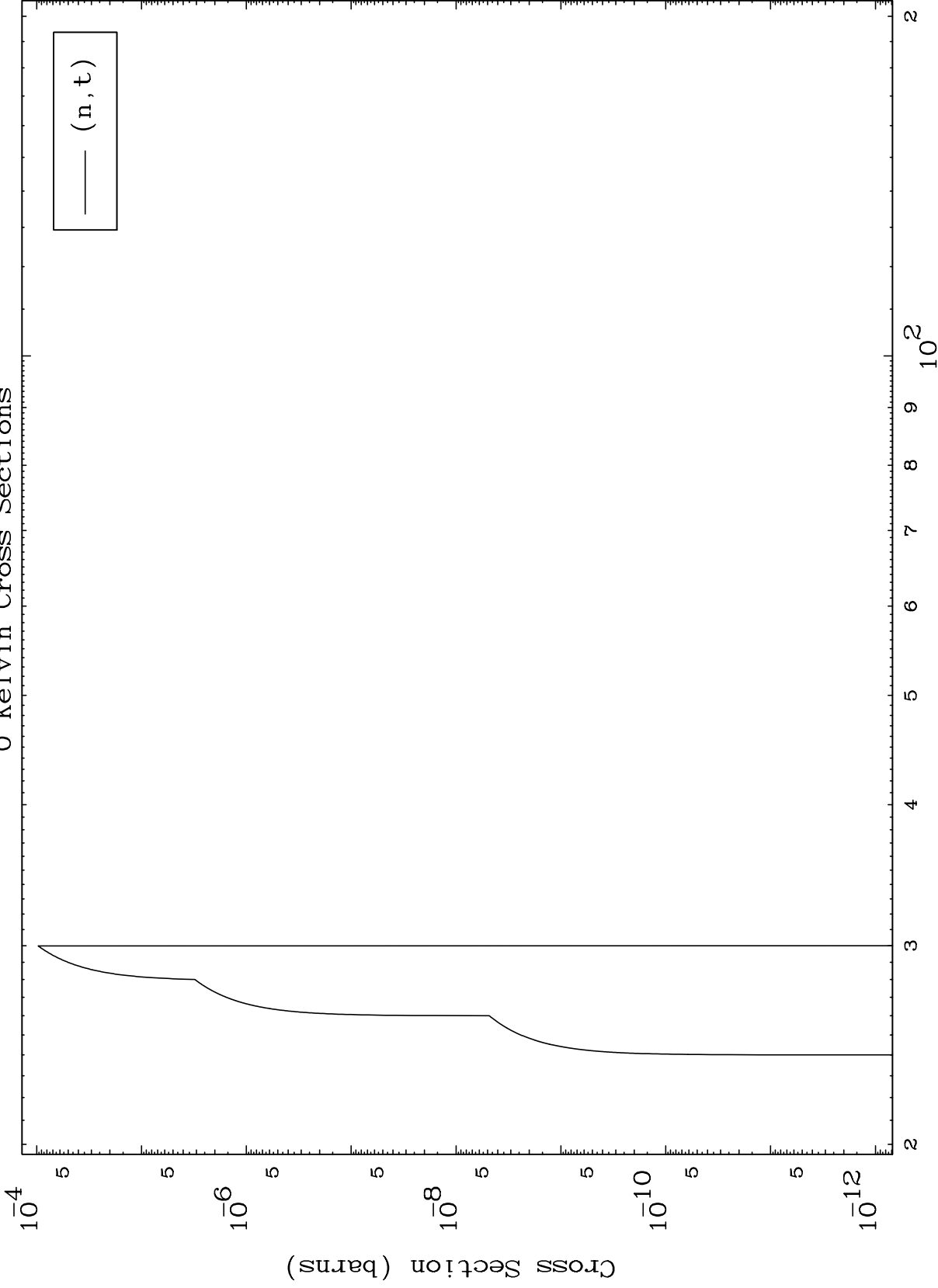


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(α, t) Levels

64-Gd-139

0 Kelvin Cross Sections



8

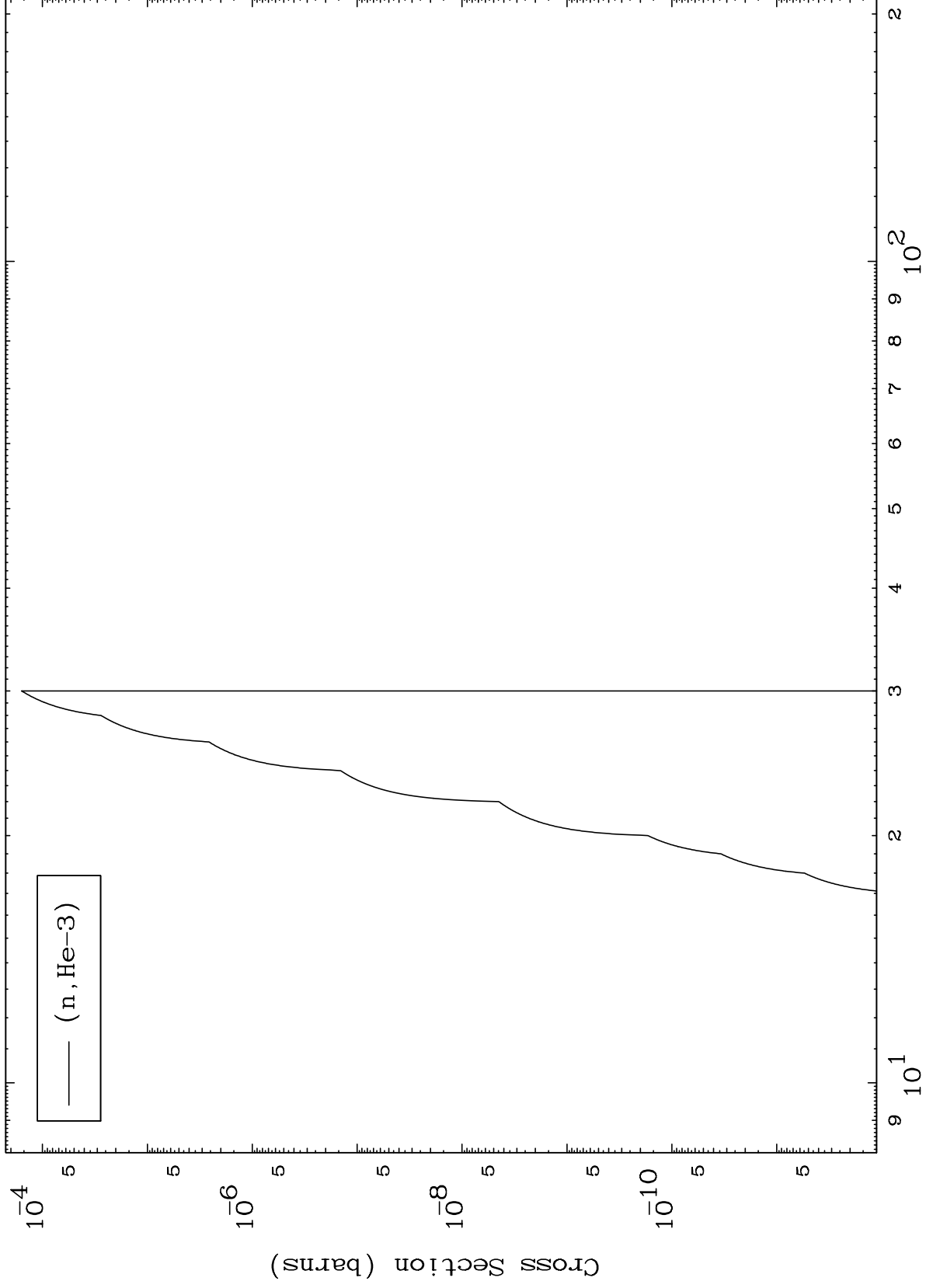
Incident Energy (MeV)

64-Gd-139

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

64-Gd-139



9

Incident Energy (MeV)

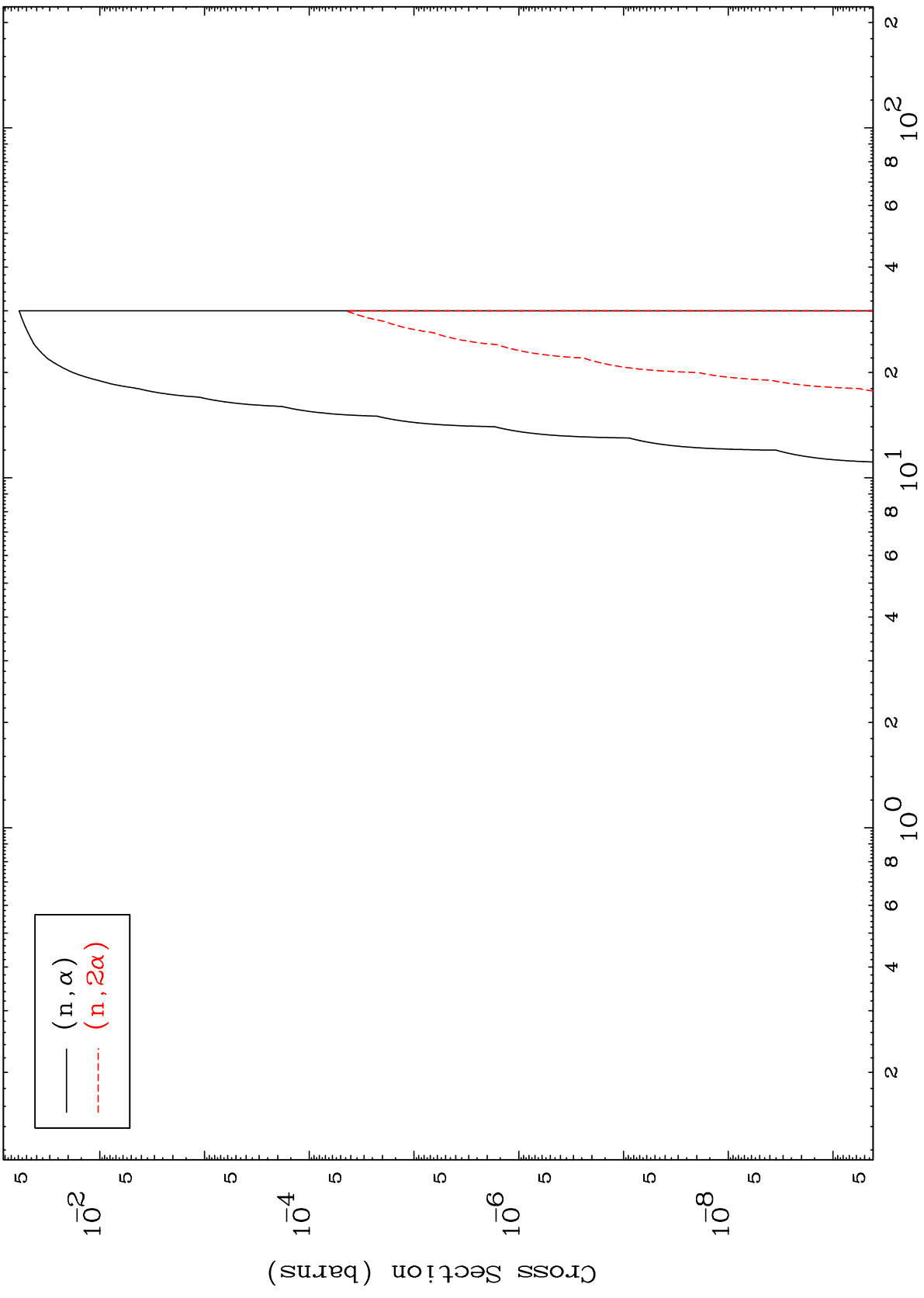
64-Gd-139

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(α, α) Levels

64-Gd-139

0 Kelvin Cross Sections



10

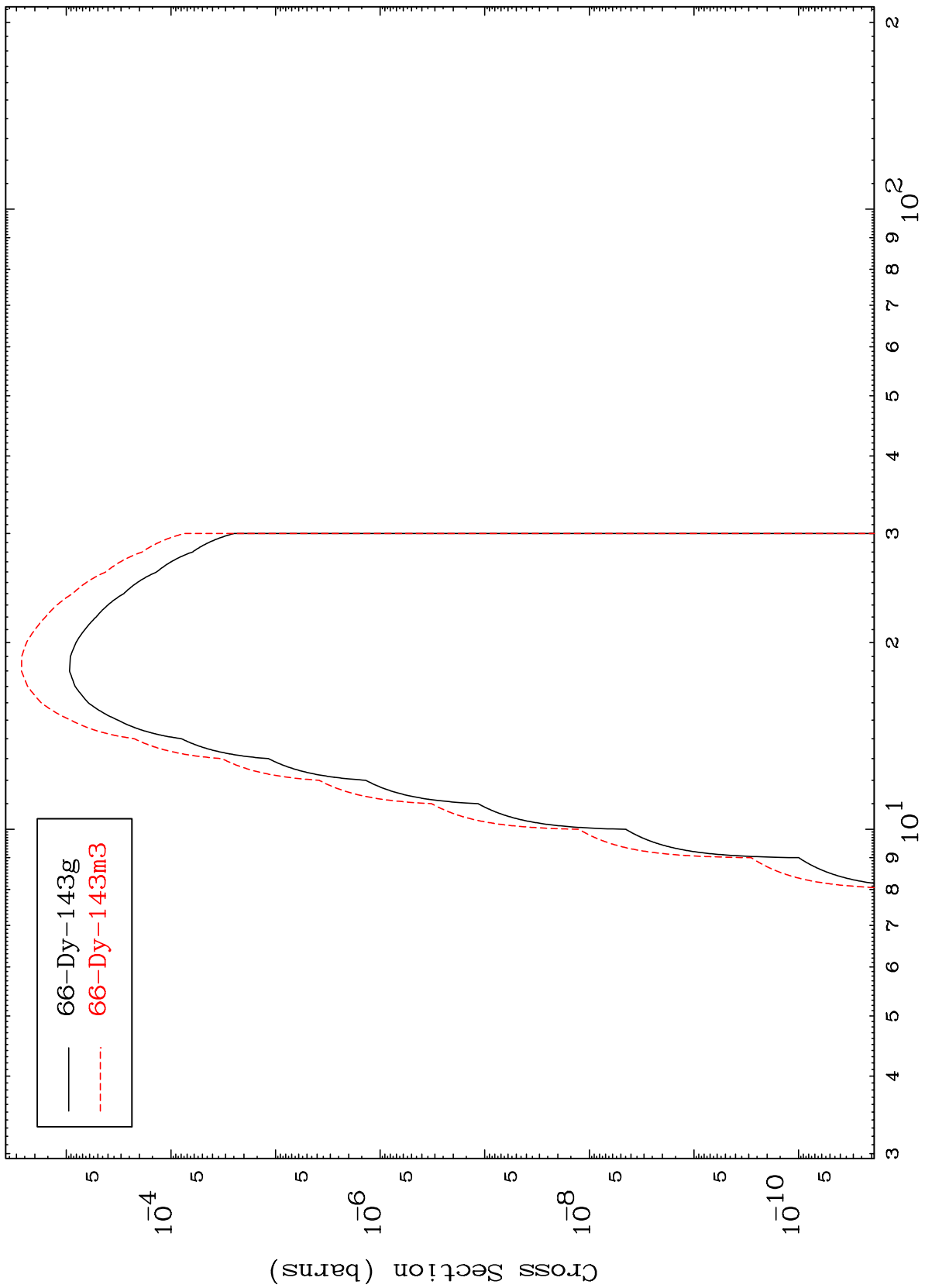
Incident Energy (MeV)

64-Gd-139

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64-Gd-139

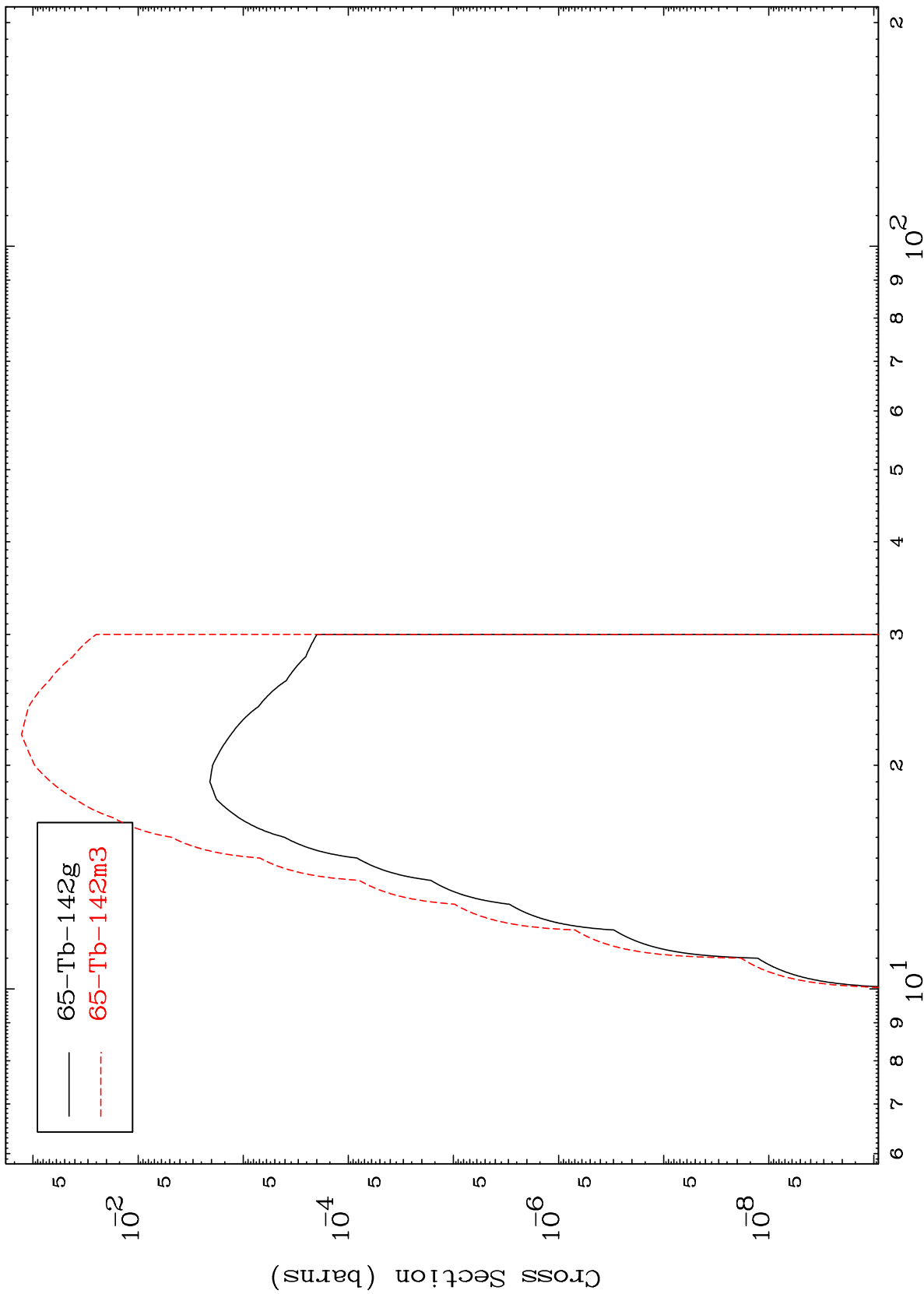
Radionuclide Production Cross Section
(n, γ)



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64-Gd-139

(n,p)
Radionuclide Production Cross Section



12

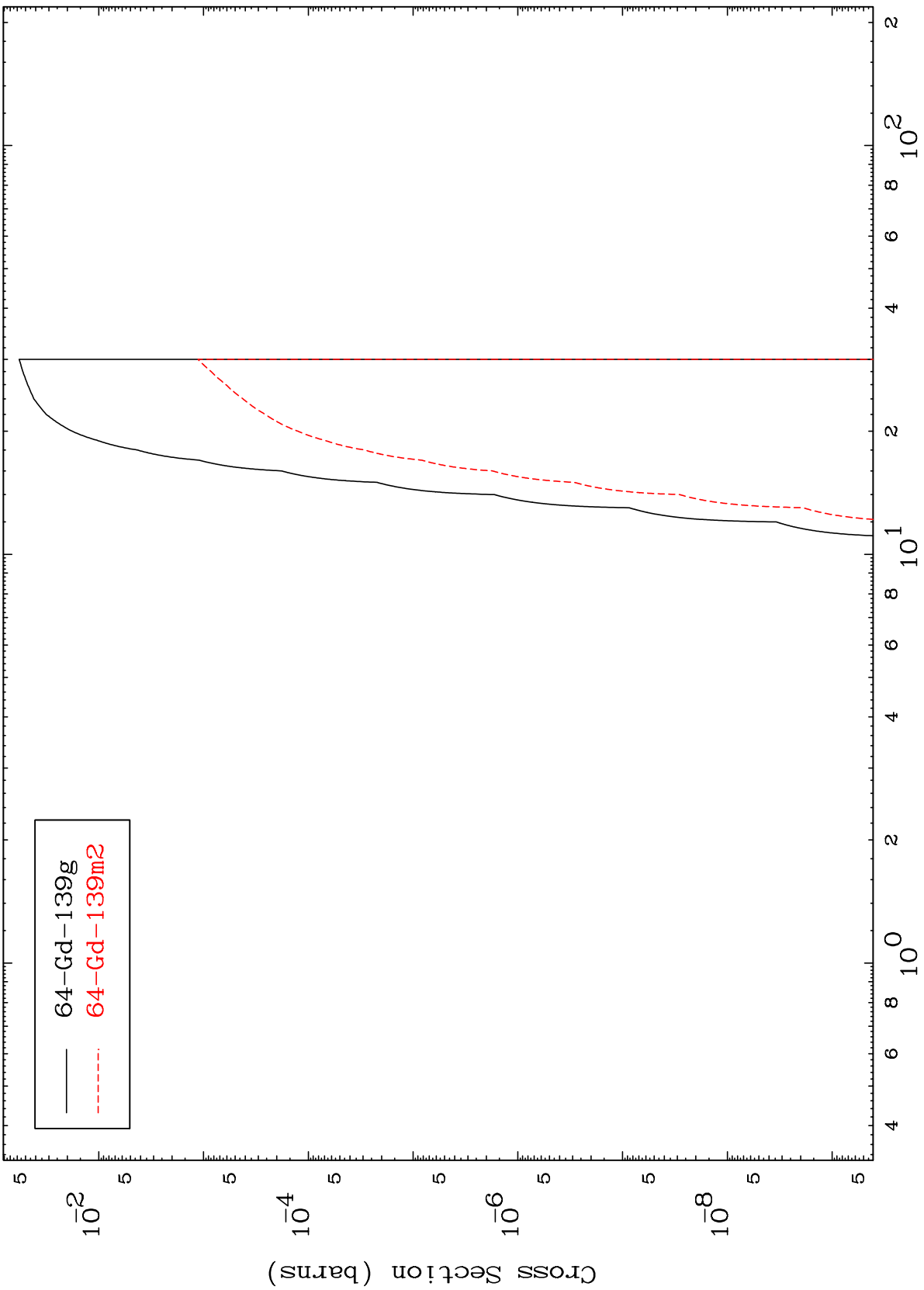
Incident Energy (MeV)

64-Gd-139

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64-Gd-139

Radionuclide Production Cross Section
(n, α)



64-Gd-139

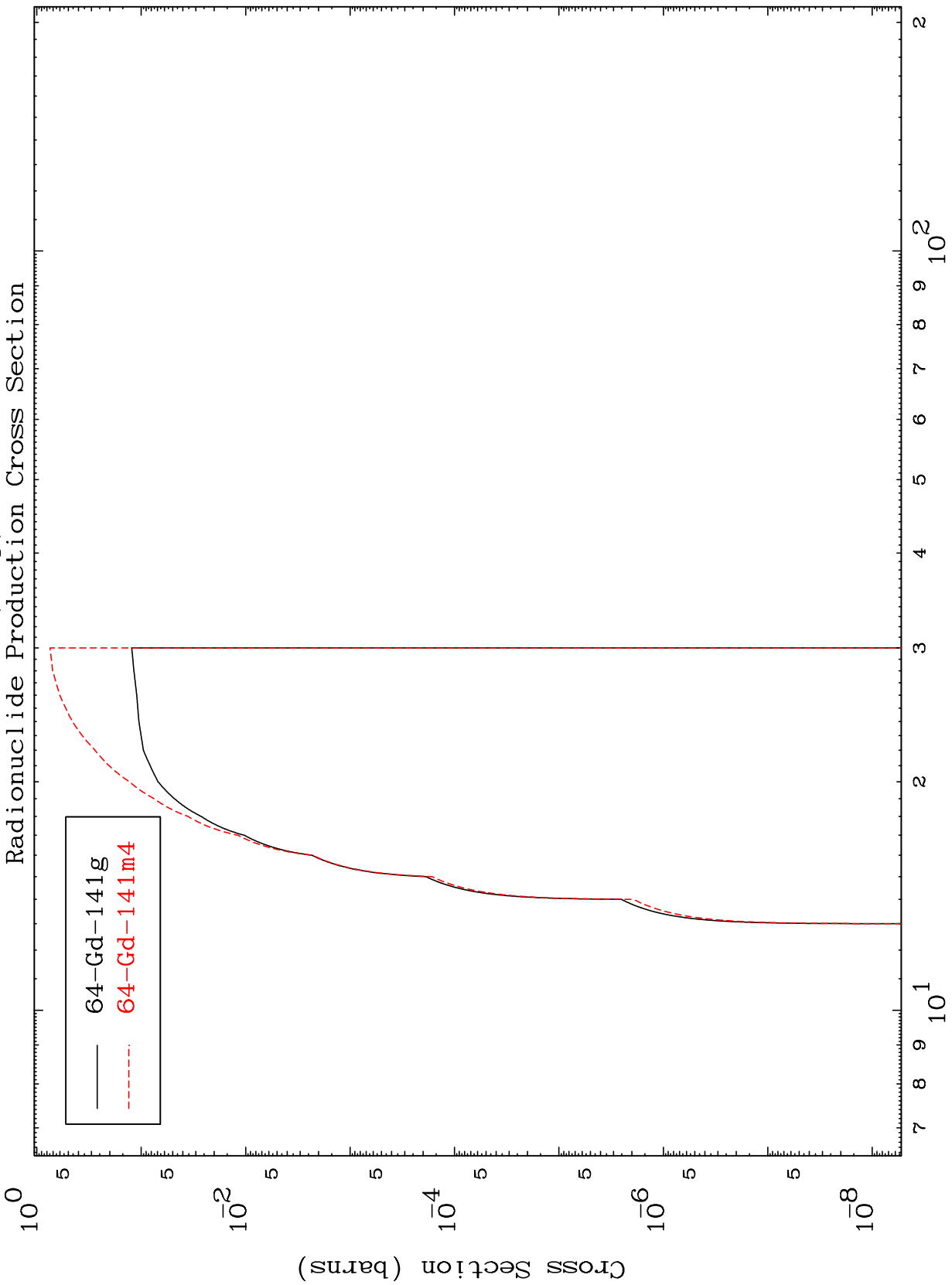
Incident Energy (MeV)

13

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64-Gd-139

(n,2p)
Radionuclide Production Cross Section



64-Gd-141g
64-Gd-141m4

64-Gd-139

Incident Energy (MeV)

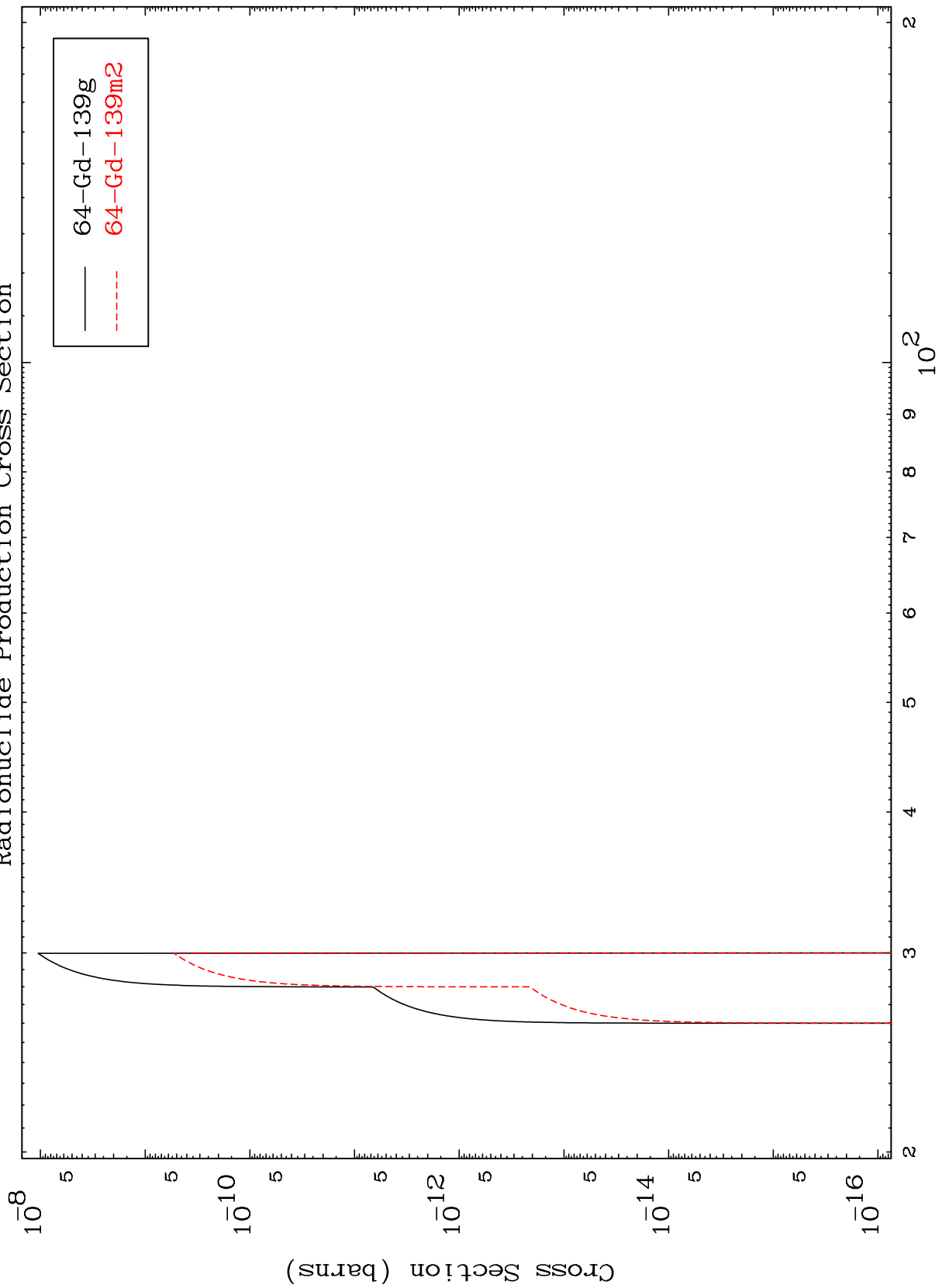
14

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(n,p) t

64-Gd-139

Radionuclide Production Cross Section



15

Incident Energy (MeV)

64-Gd-139