

Program EVALPLOT
(Version 2021-1)

by

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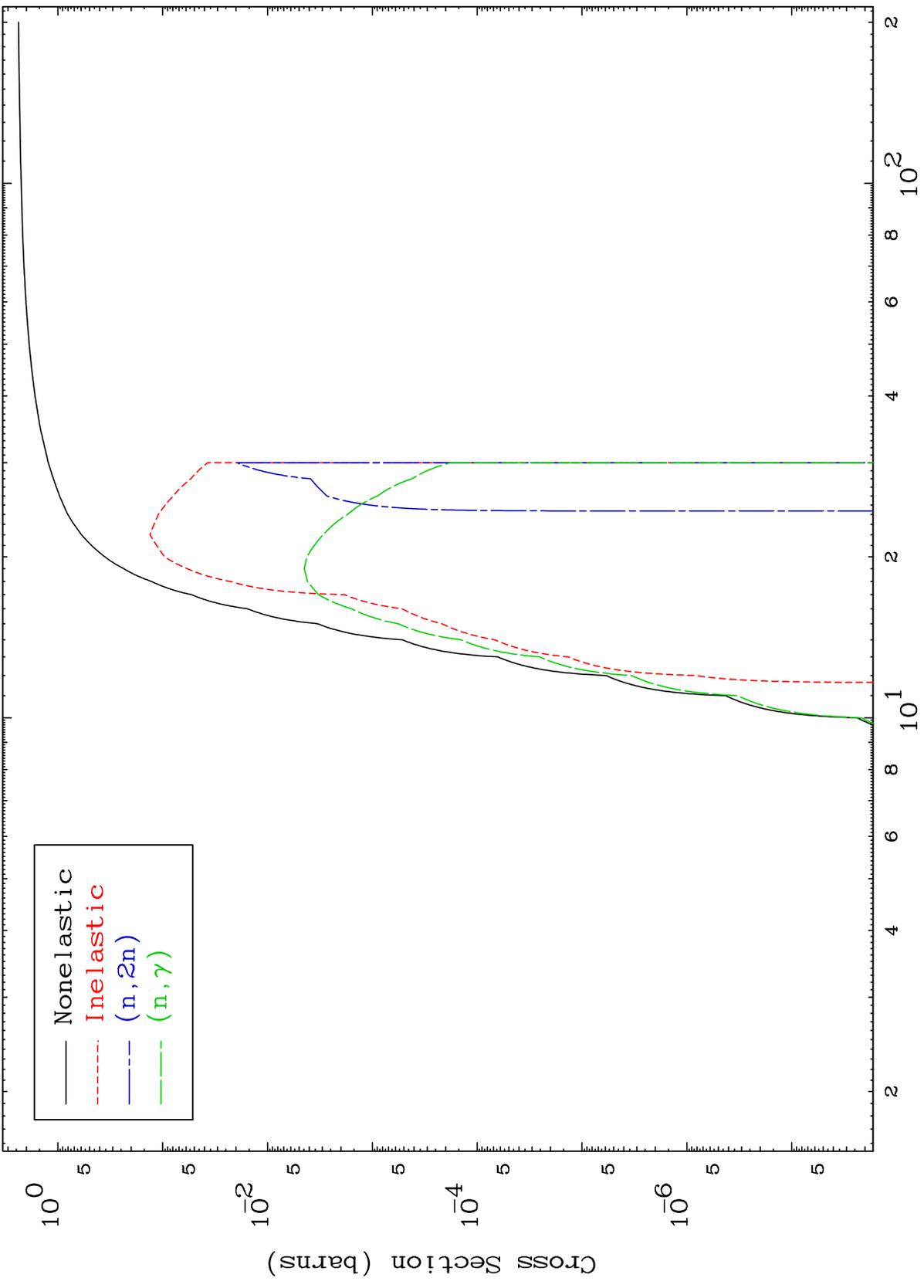
Press Mouse Button to Start

MAT 6398

α Major

64-Gd-143

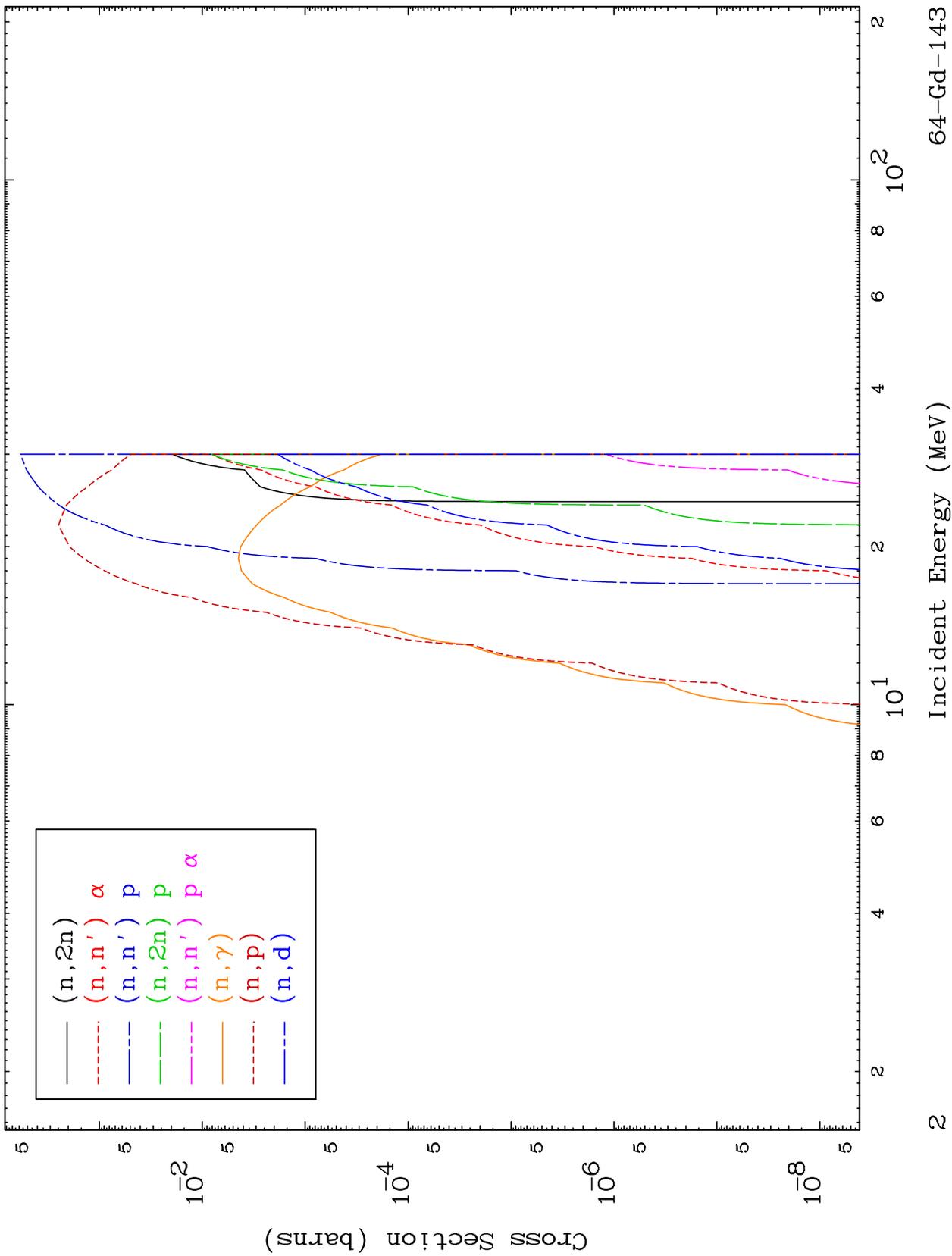
0 Kelvin Cross Sections



1

Incident Energy (MeV)

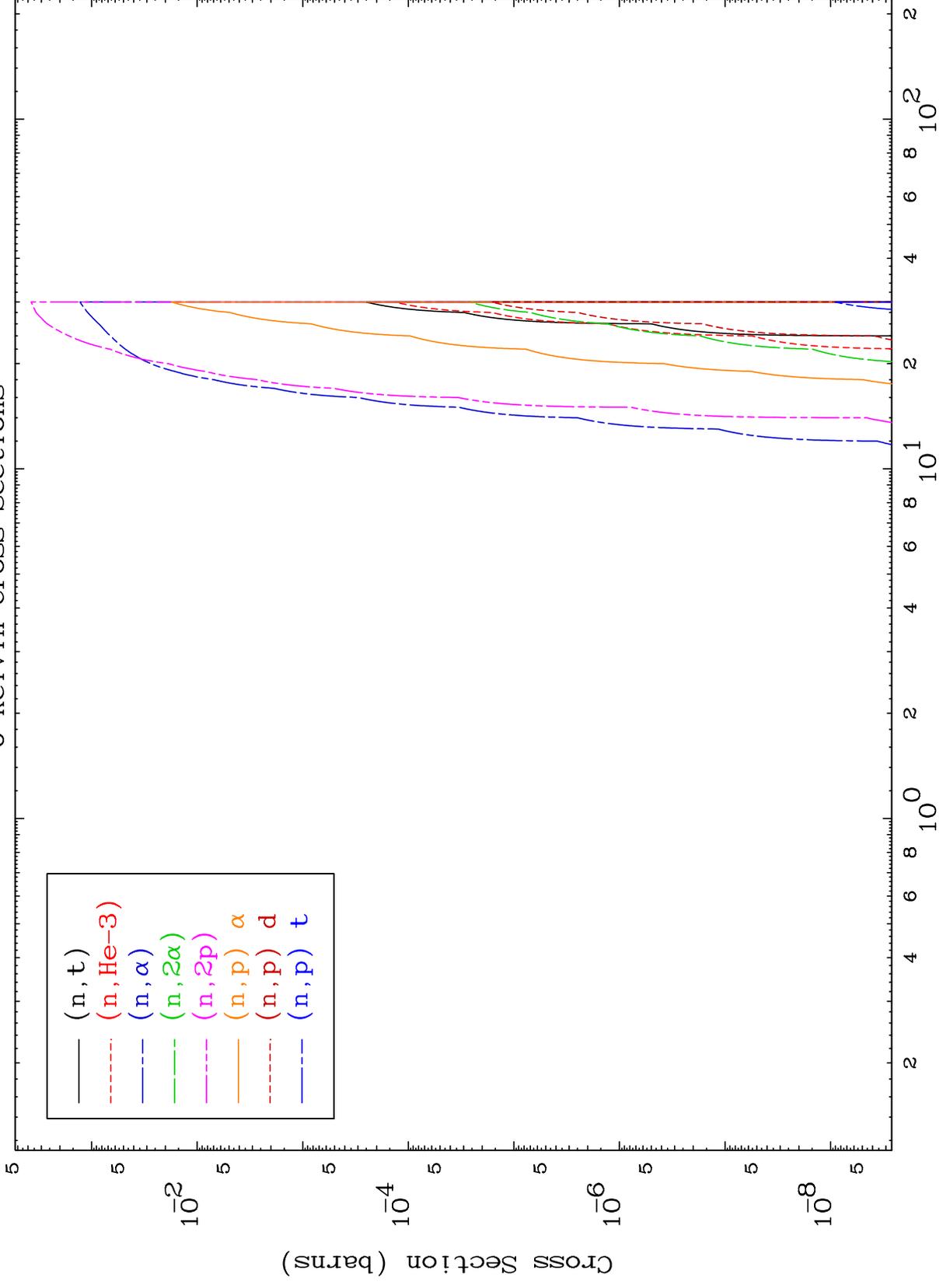
64-Gd-143



MAT 6398

α Neutron Absorption
0 Kelvin Cross Sections

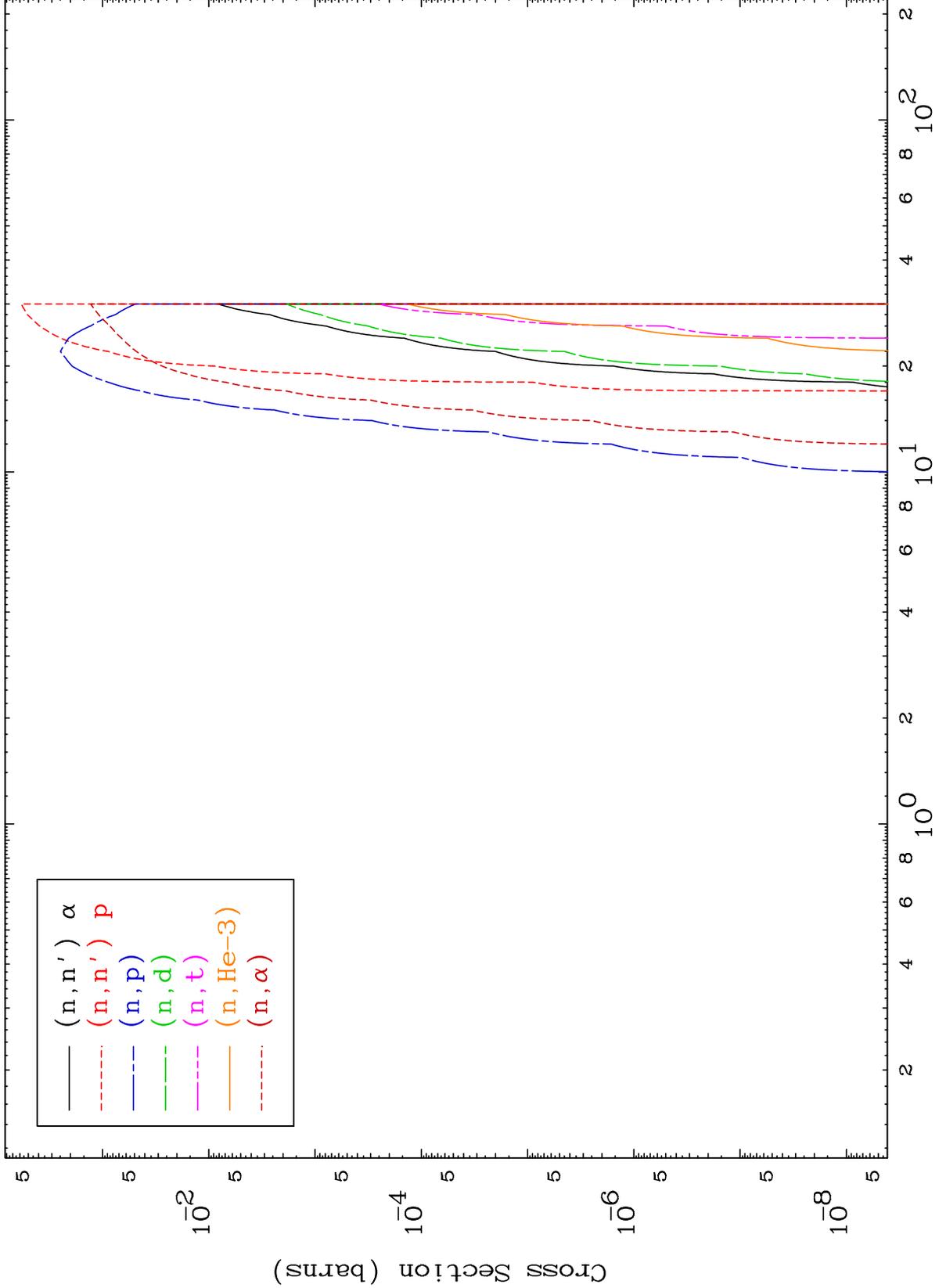
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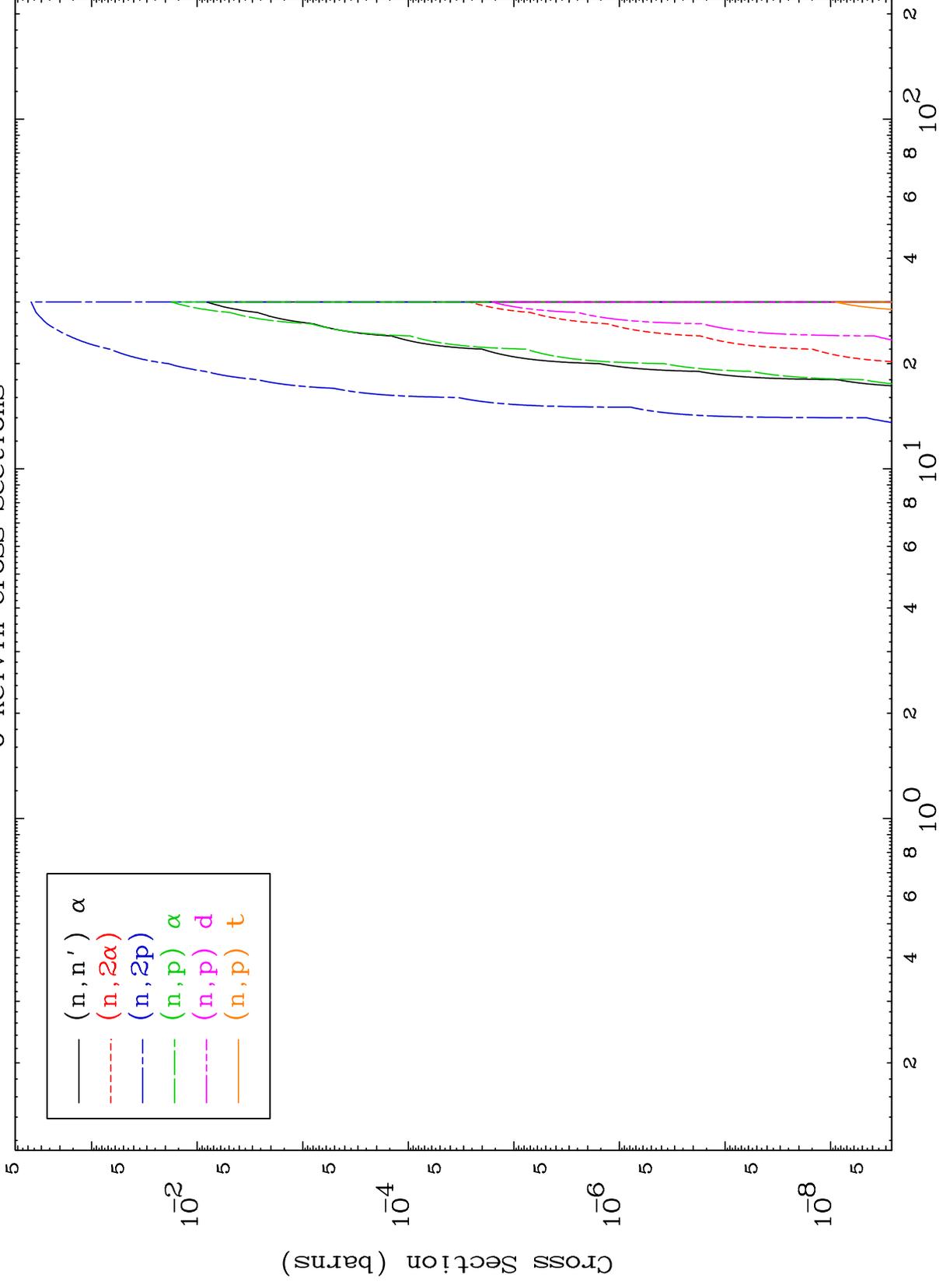


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α Charged Particle
0 Kelvin Cross Sections

64-Gd-143

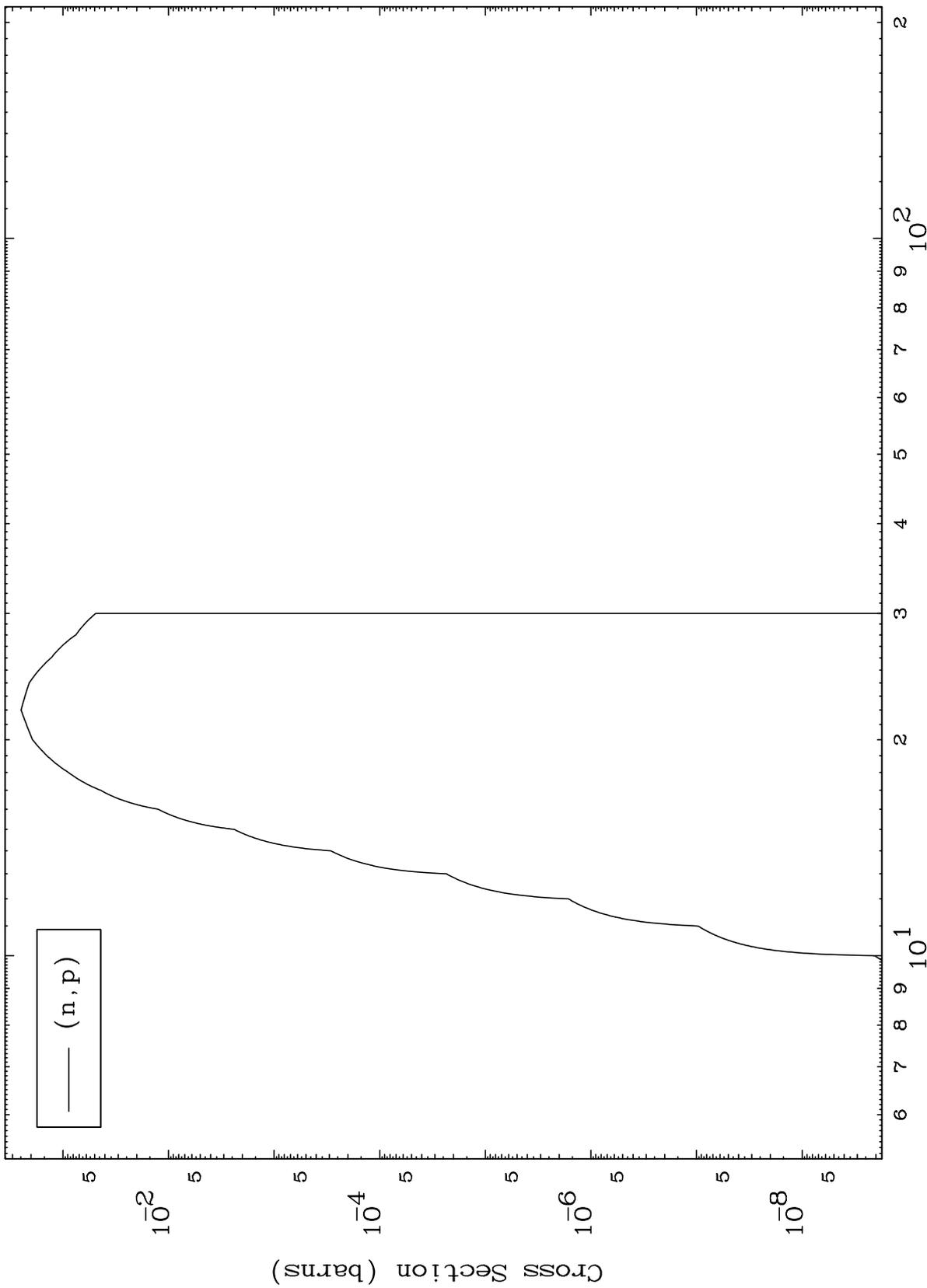




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64-Gd-143

(α, p) Levels
0 Kelvin Cross Sections



6

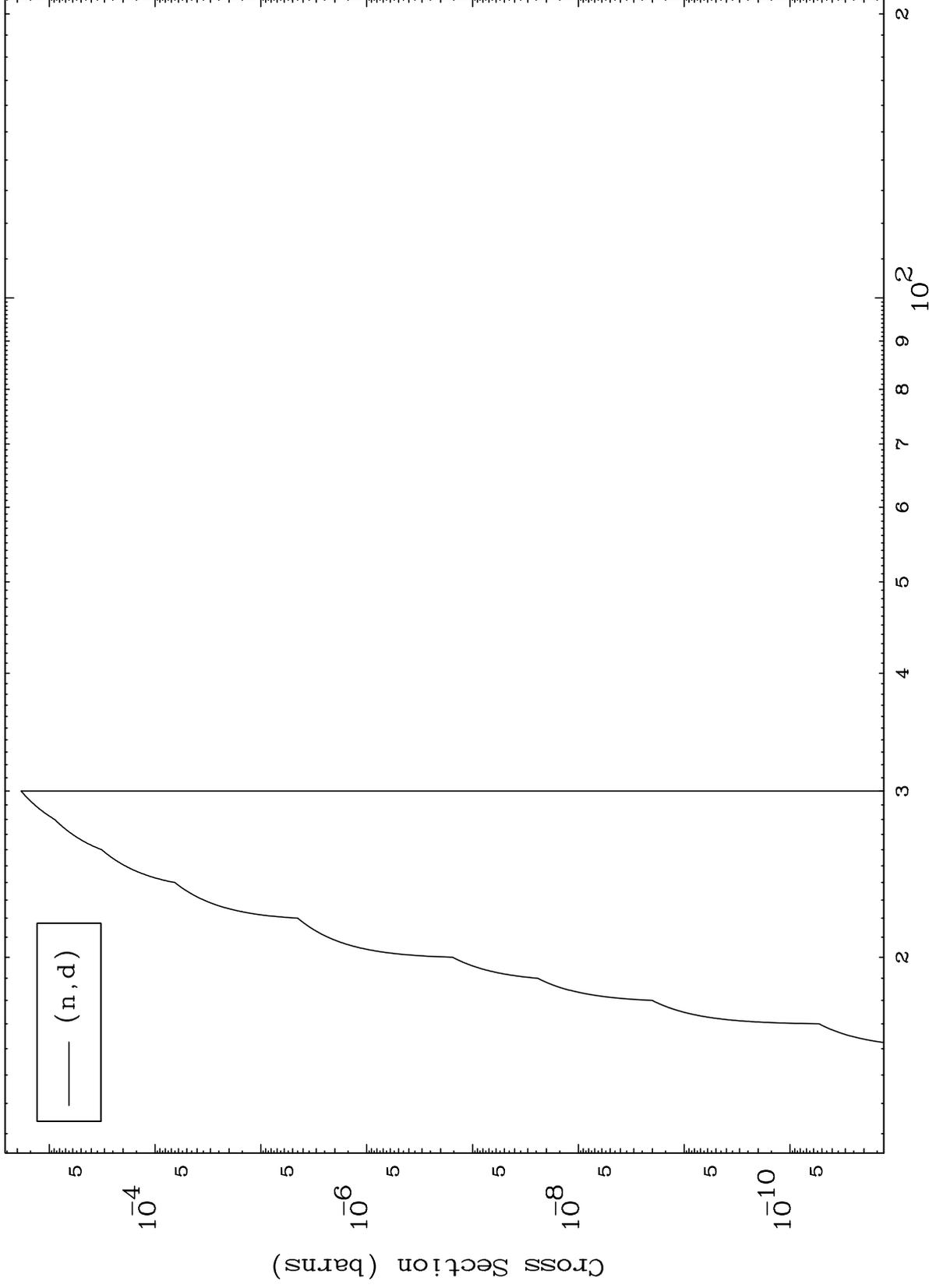
Incident Energy (MeV)

64-Gd-143

MAT 6398

(α, d) Levels
0 Kelvin Cross Sections

64-Gd-143



7

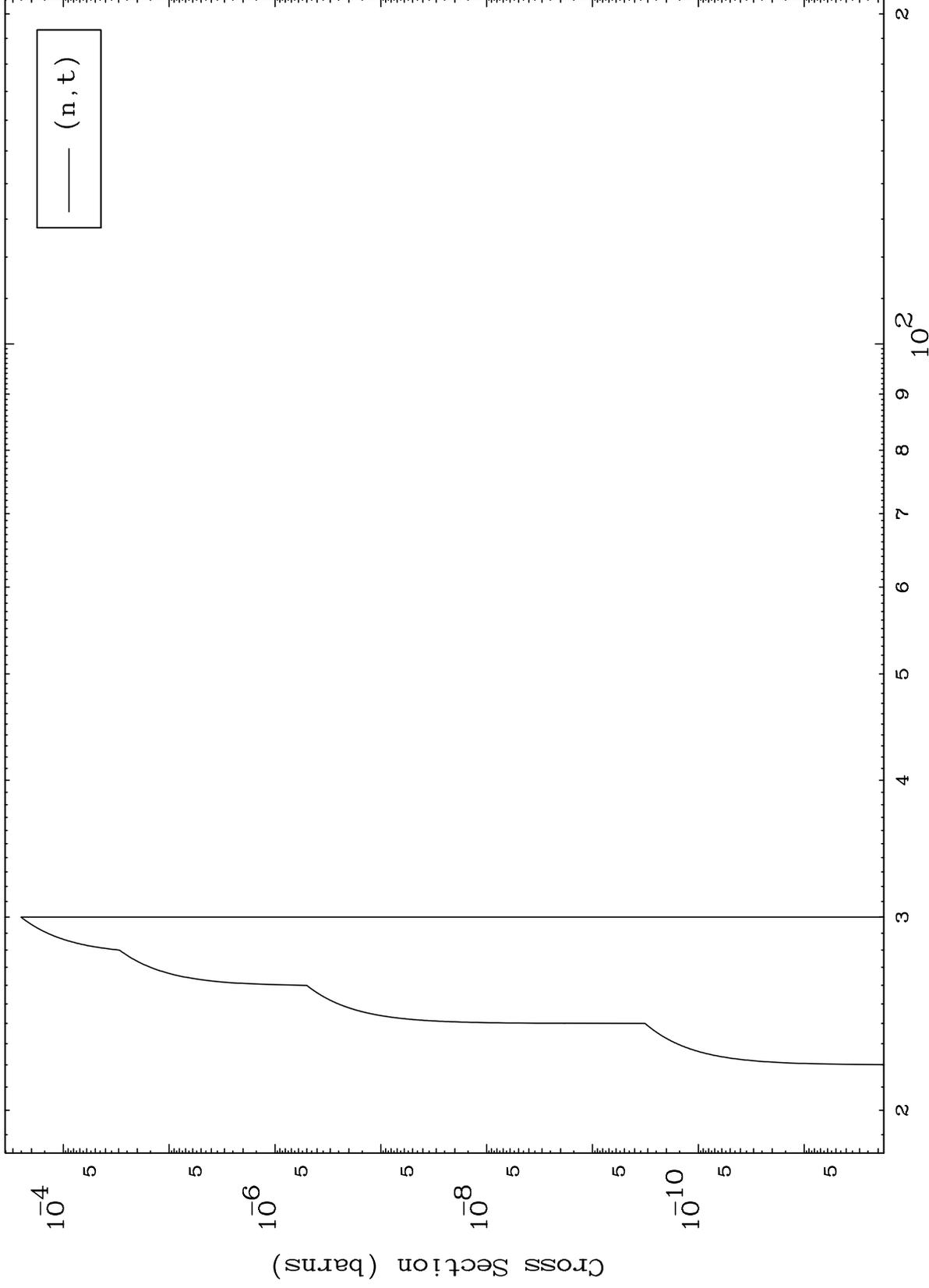
Incident Energy (MeV)

64-Gd-143

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(α, t) Levels
0 Kelvin Cross Sections

64-Gd-143



8

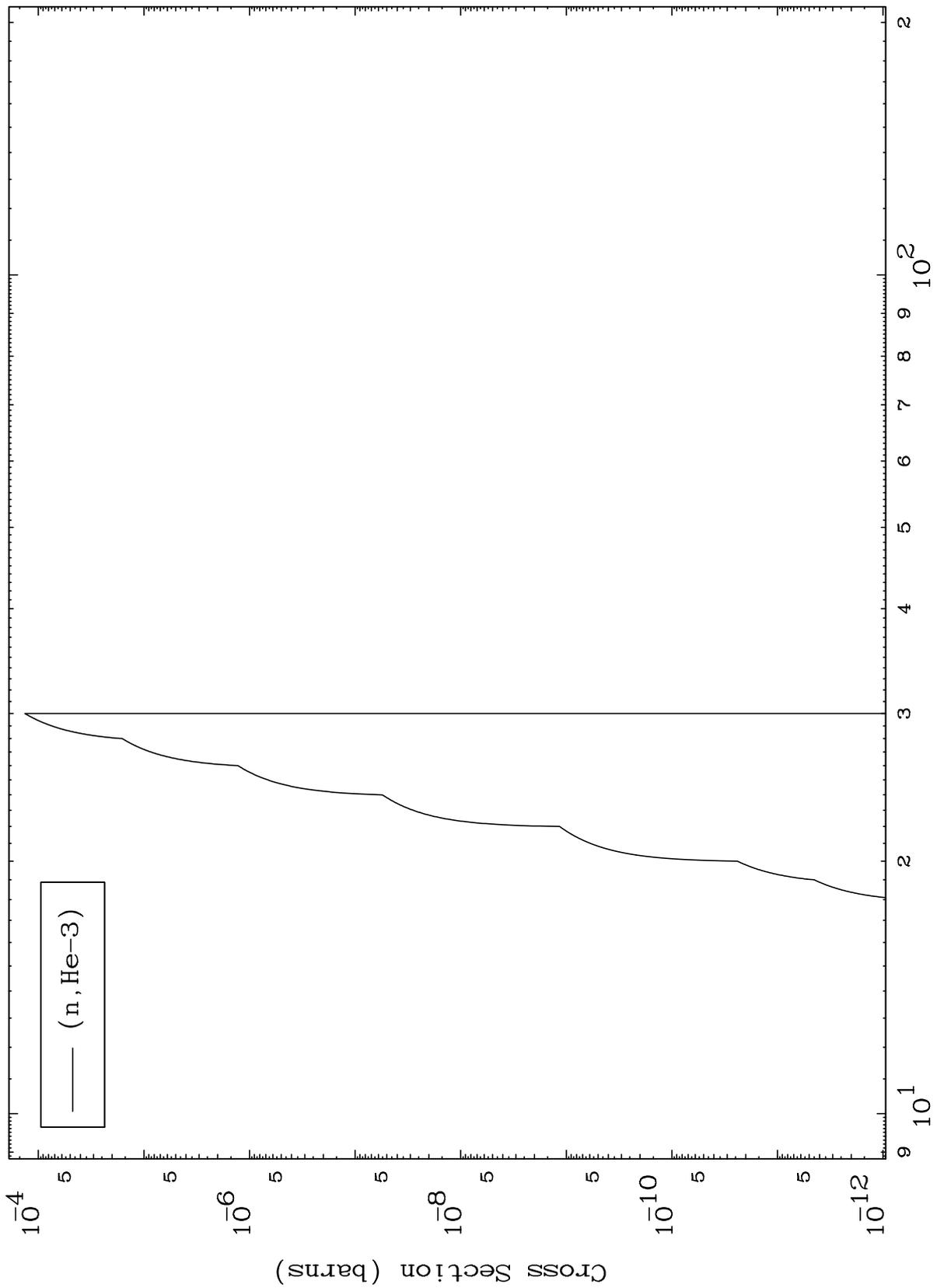
Incident Energy (MeV)

64-Gd-143

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64-Gd-143

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



64-Gd-143

Incident Energy (MeV)

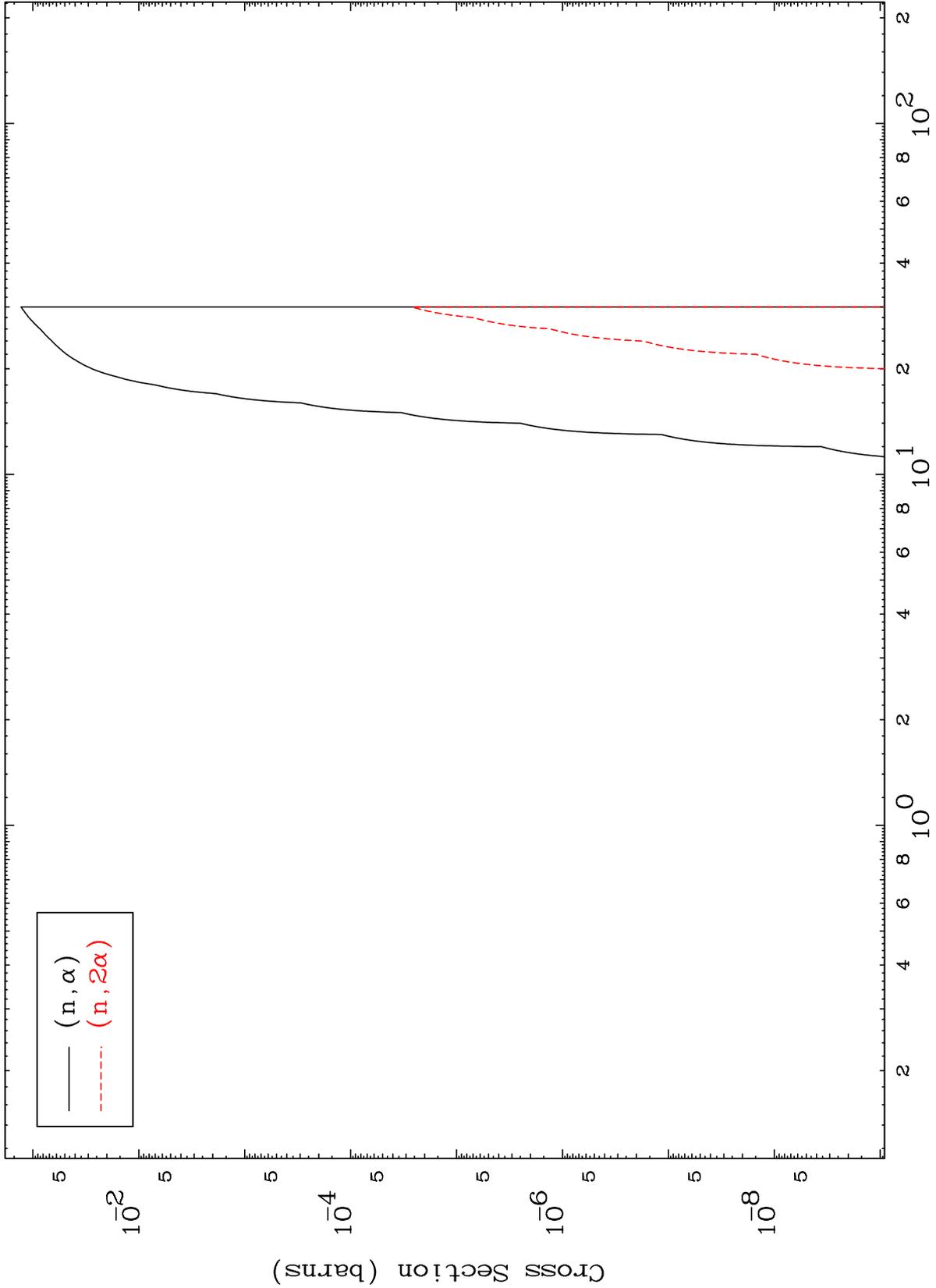
9

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(α, α) Levels

64-Gd-143

0 Kelvin Cross Sections

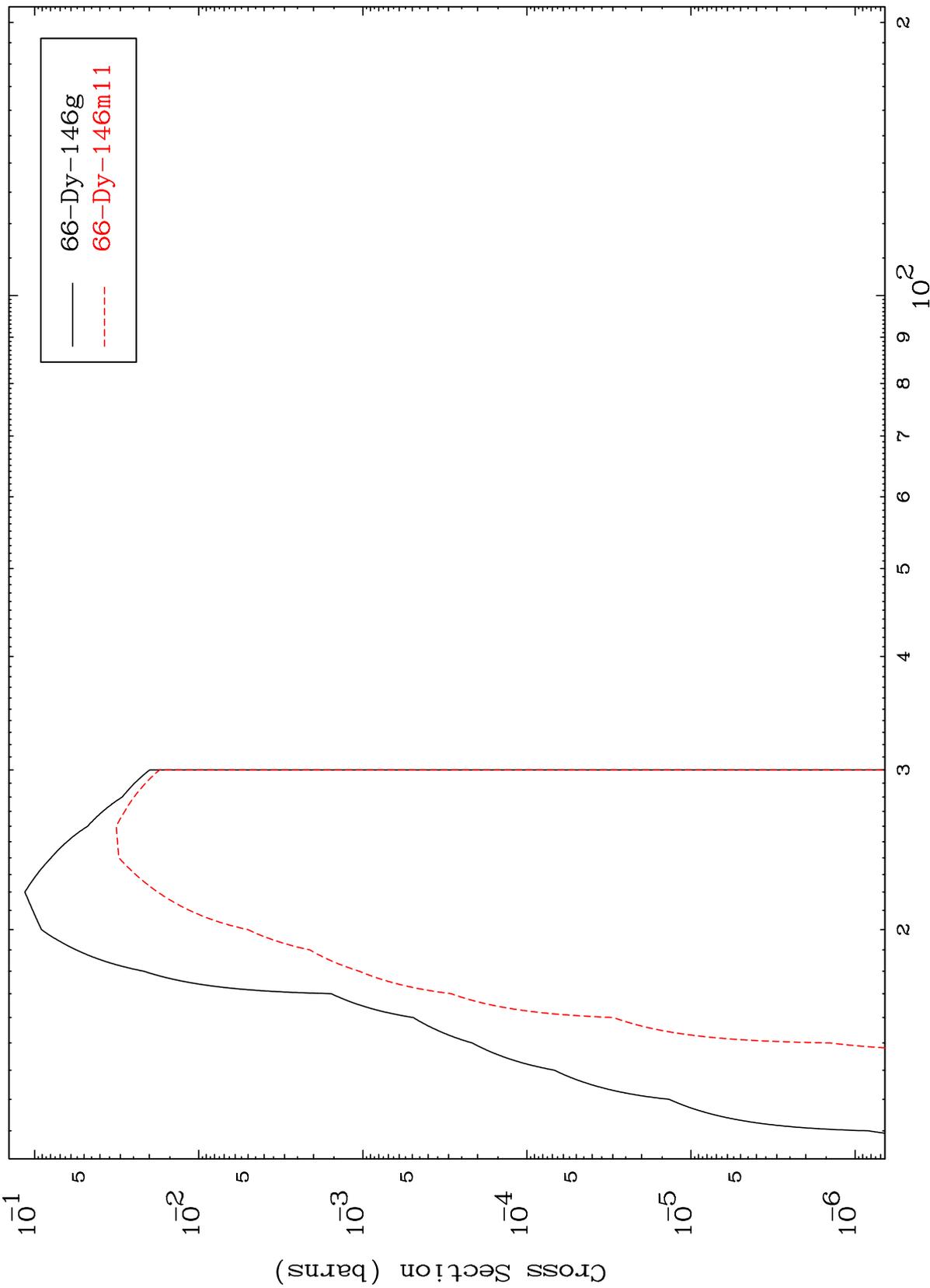


10

Incident Energy (MeV)

64-Gd-143

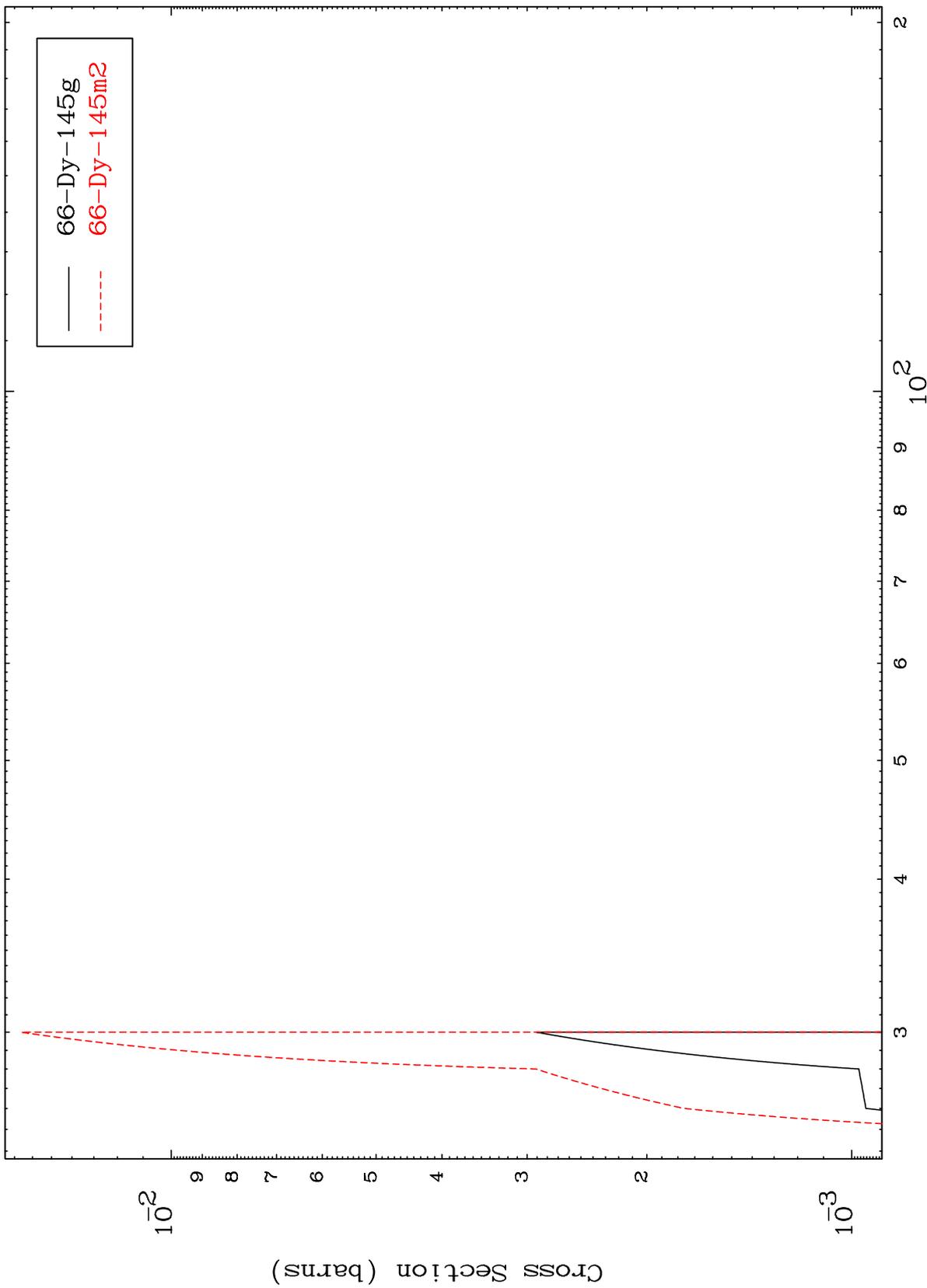
Inelastic
Radionuclide Production Cross Section



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64-Gd-143

(n,2n)
Radionuclide Production Cross Section



12

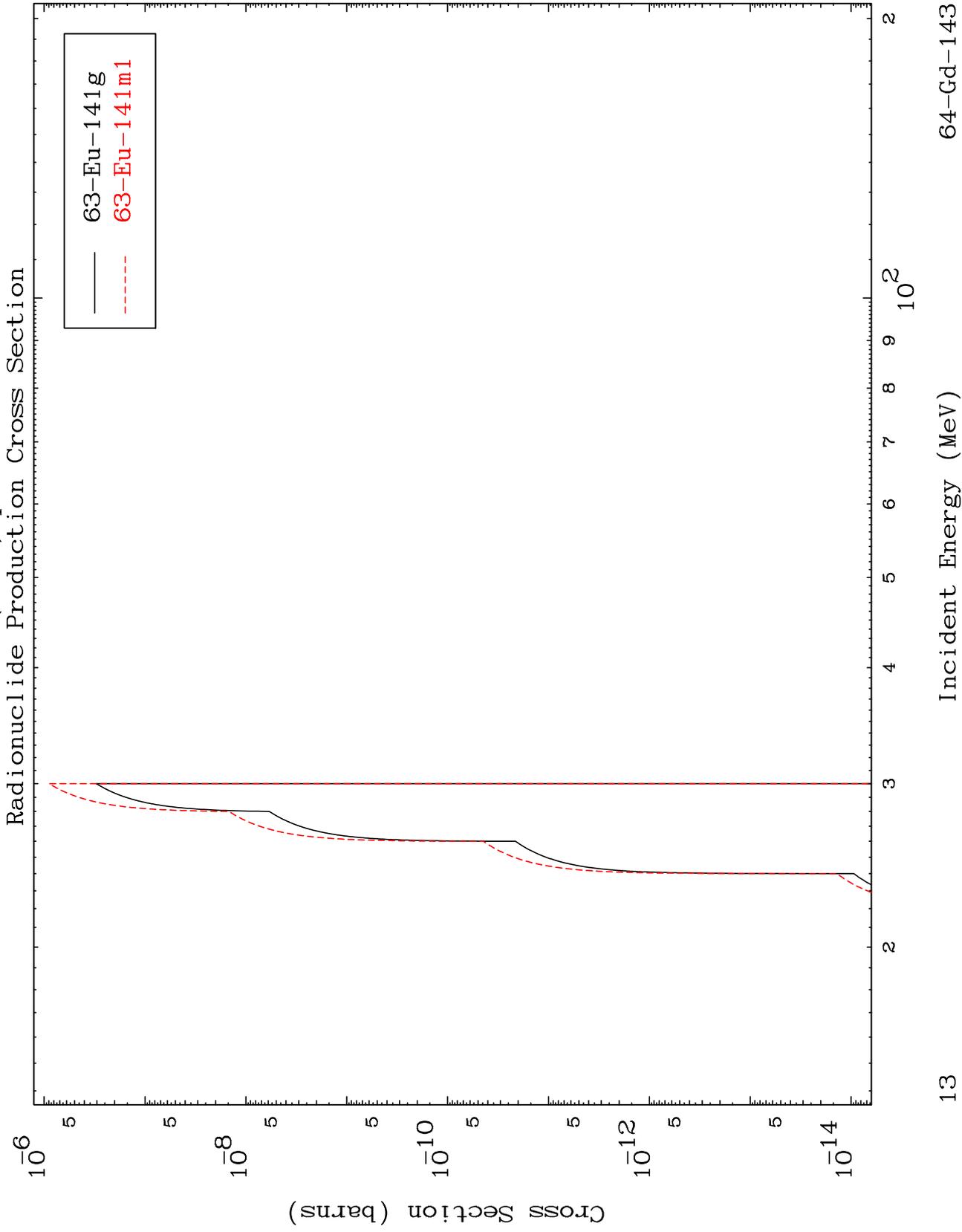
Incident Energy (MeV)

64-Gd-143

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(n,n') p α

64-Gd-143



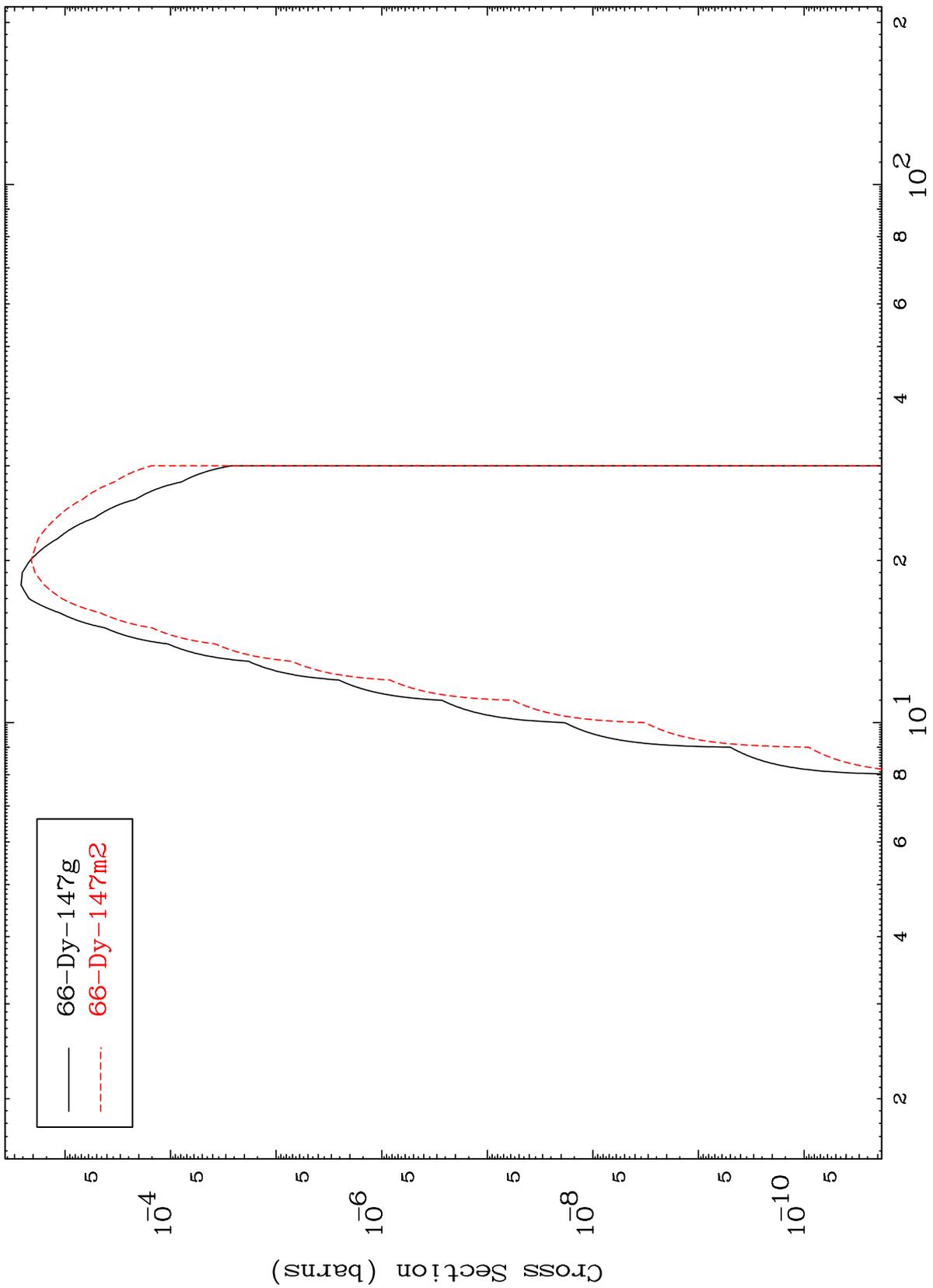
13

64-Gd-143

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64-Gd-143

(n,γ)
Radionuclide Production Cross Section



66-Dy-147g
66-Dy-147m2

14

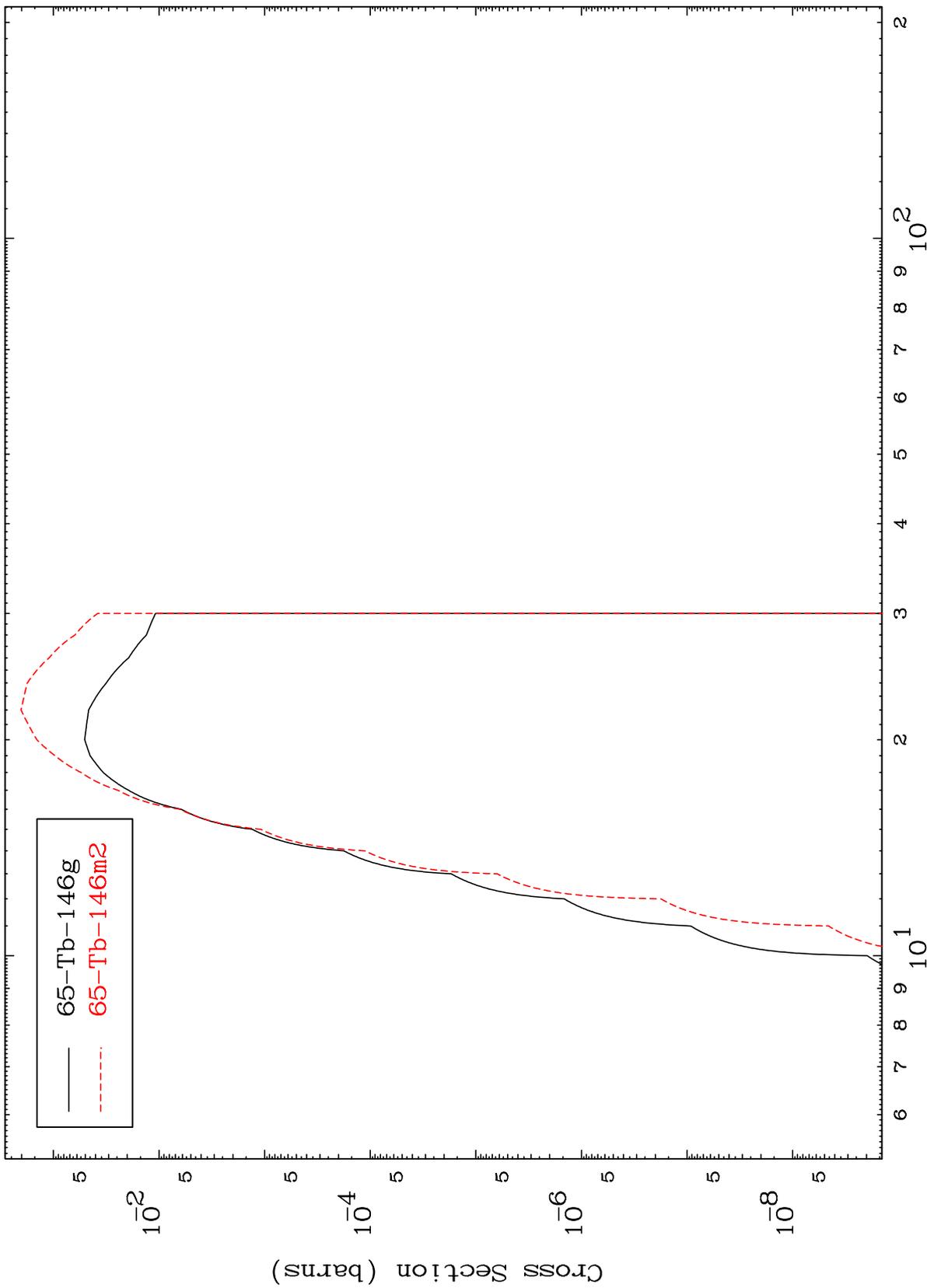
Incident Energy (MeV)

64-Gd-143

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64-Gd-143

(n,p)
Radionuclide Production Cross Section

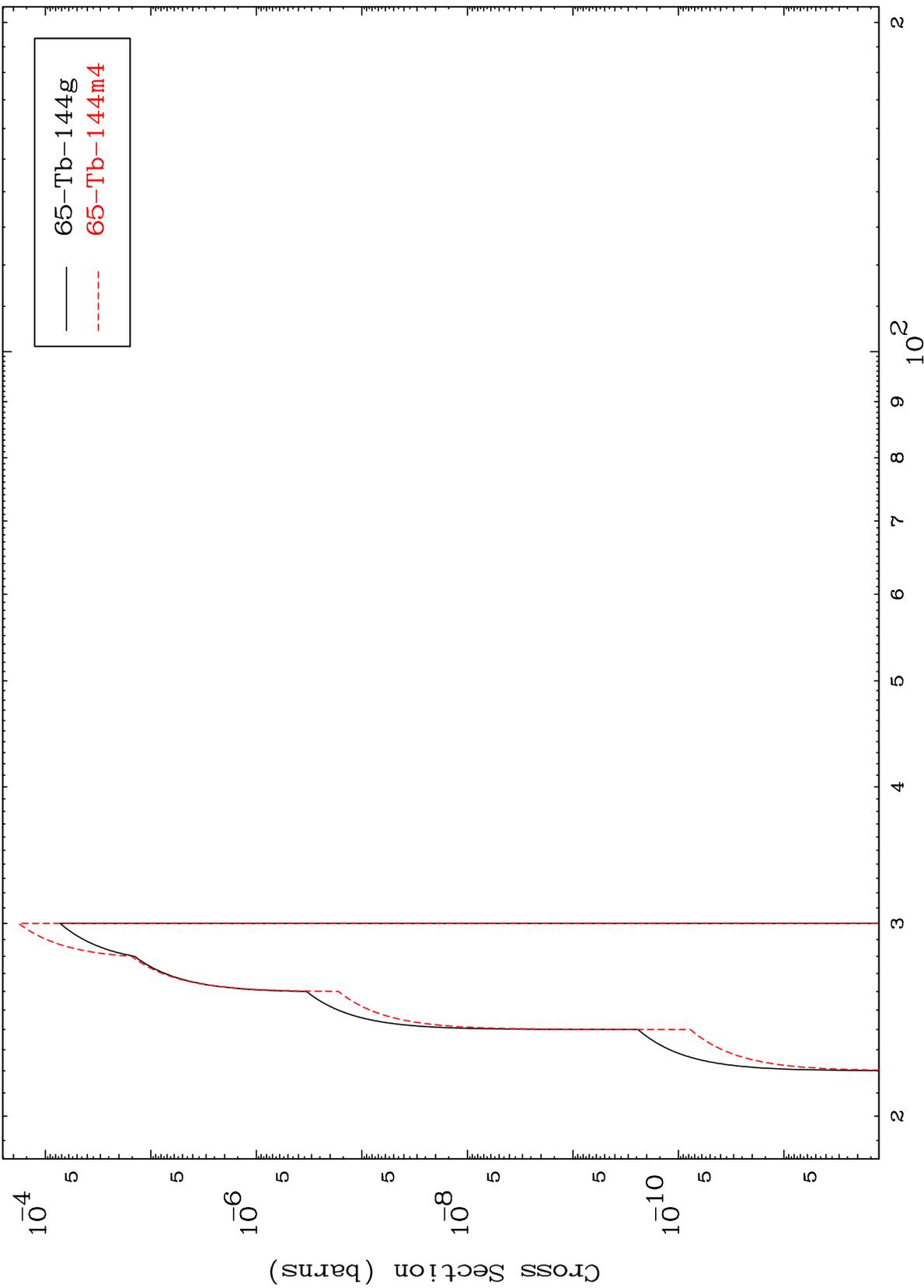


15

Incident Energy (MeV)

64-Gd-143

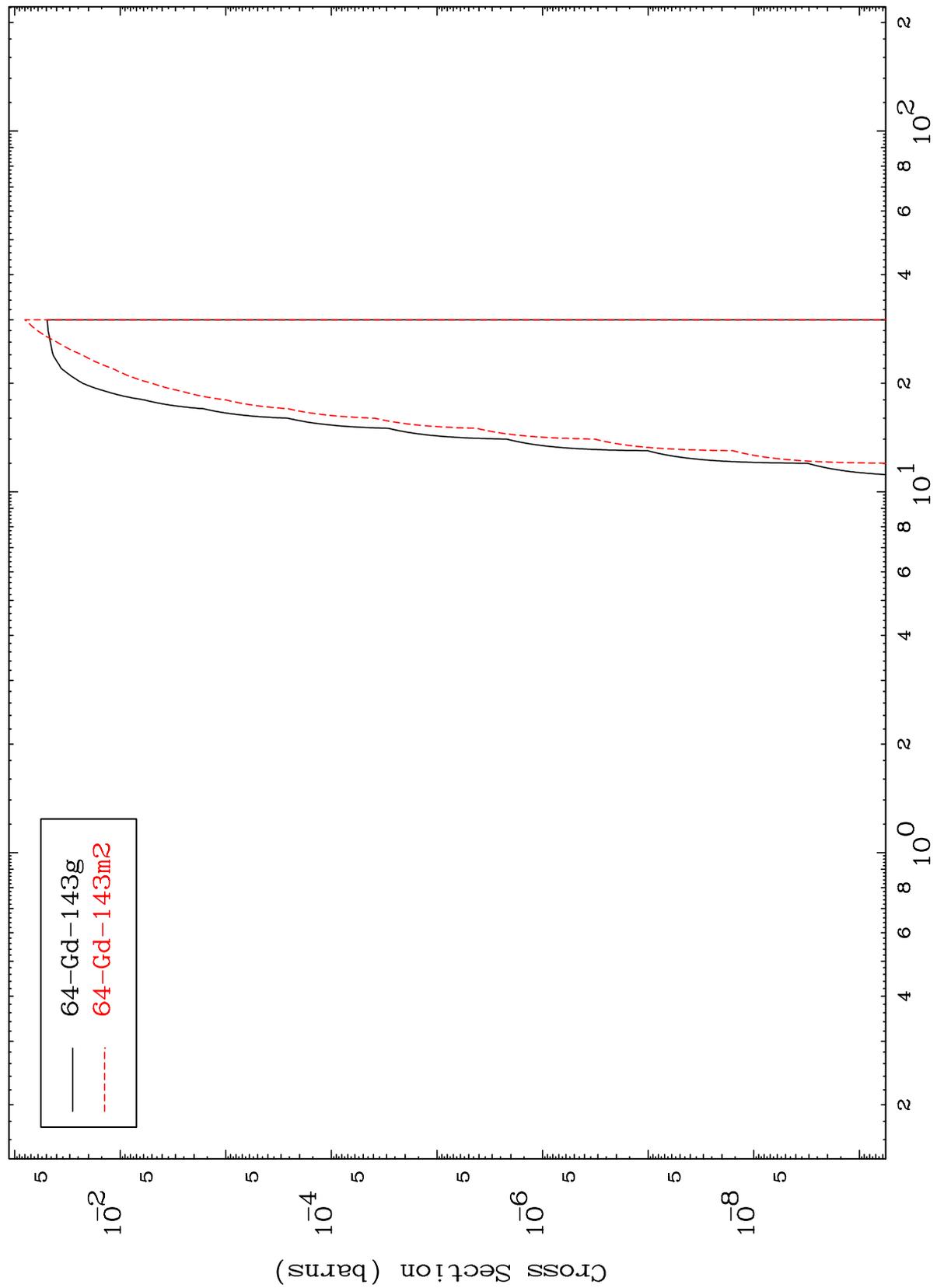
(n, t)
Radionuclide Production Cross Section



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64-Gd-143

(n, α)
Radionuclide Production Cross Section



17

64-Gd-143

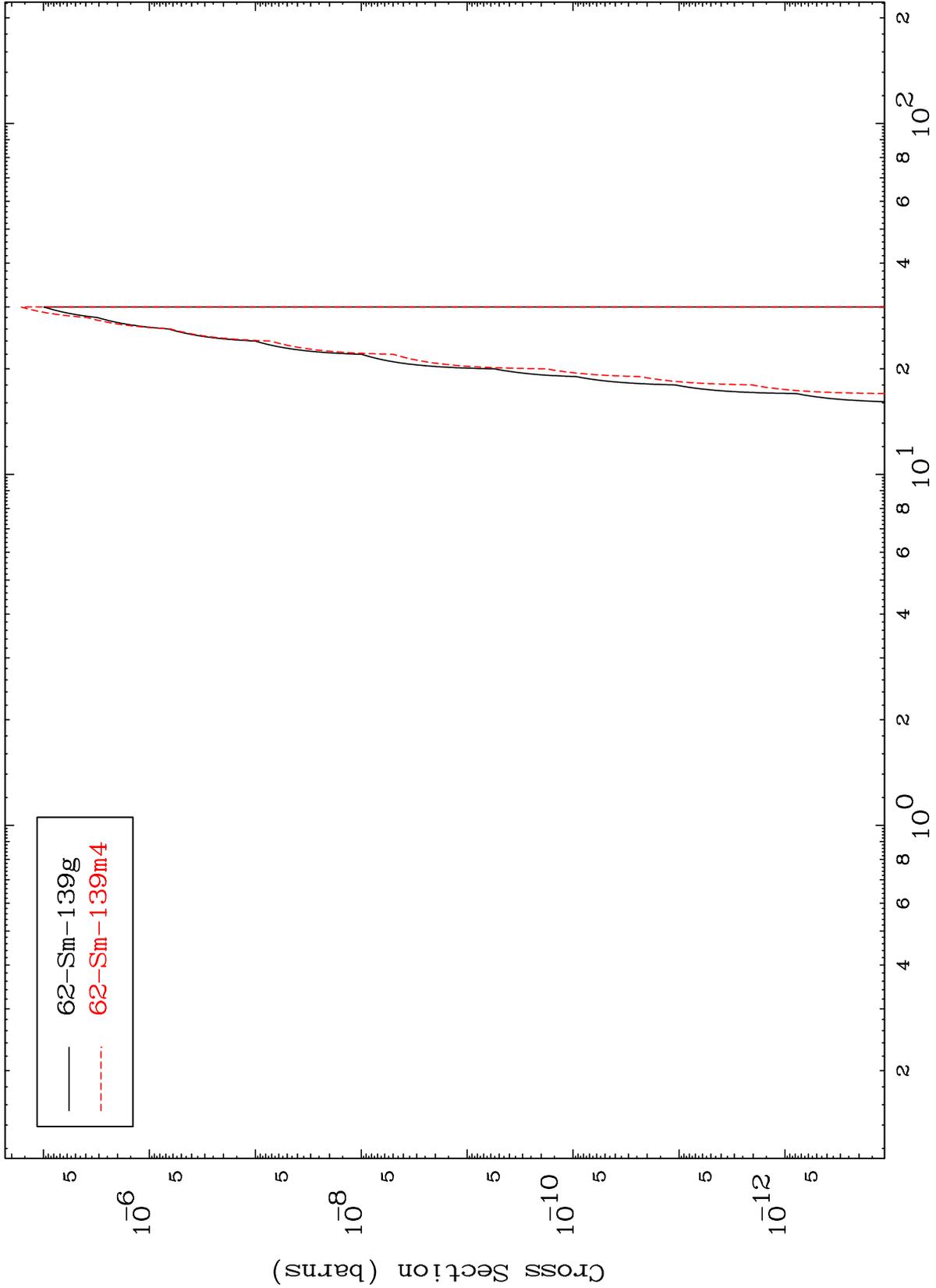
Incident Energy (MeV)

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(n,2α)

64-Gd-143

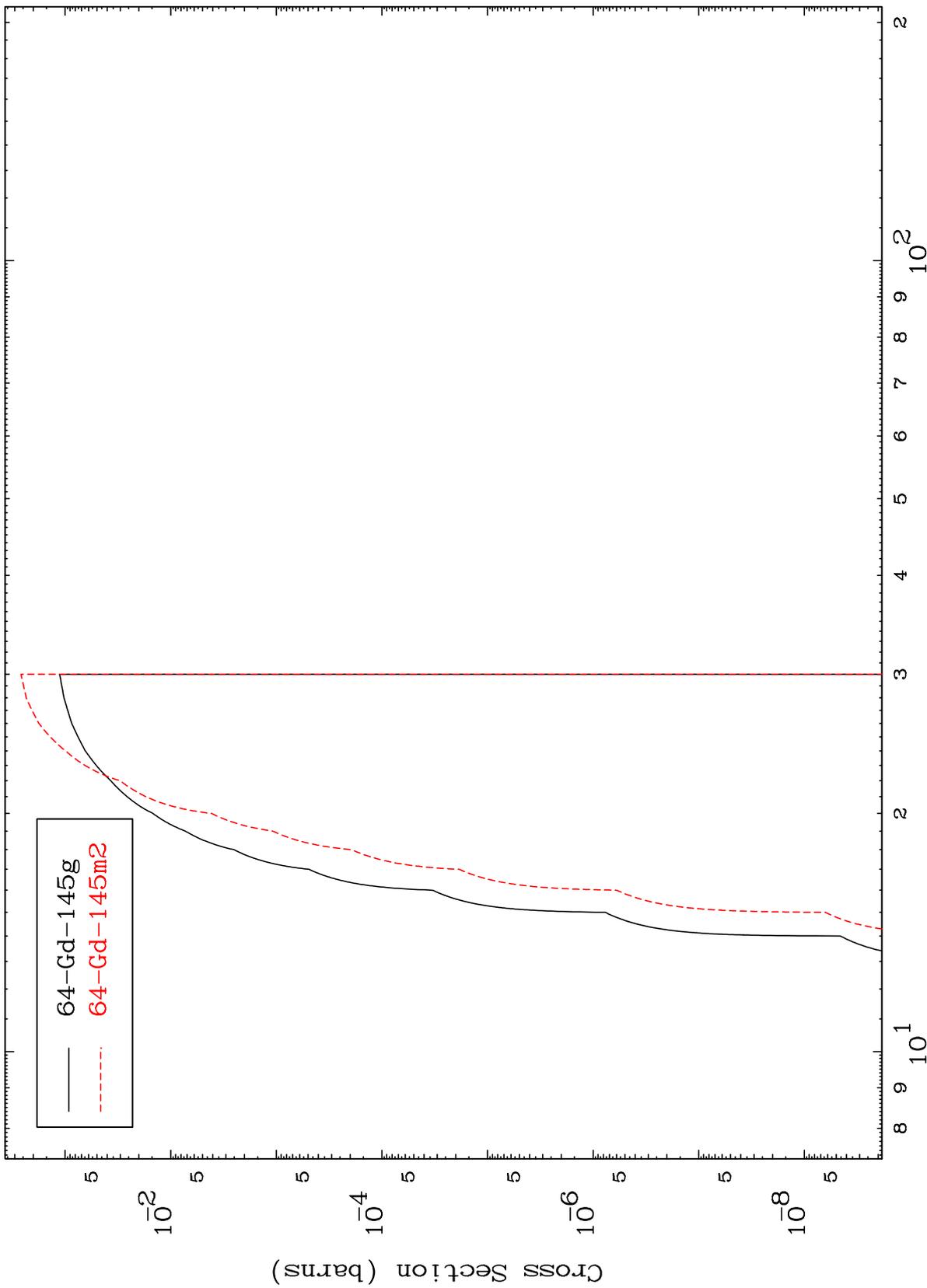
Radionuclide Production Cross Section



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64-Gd-143

(n,2p)
Radionuclide Production Cross Section



19

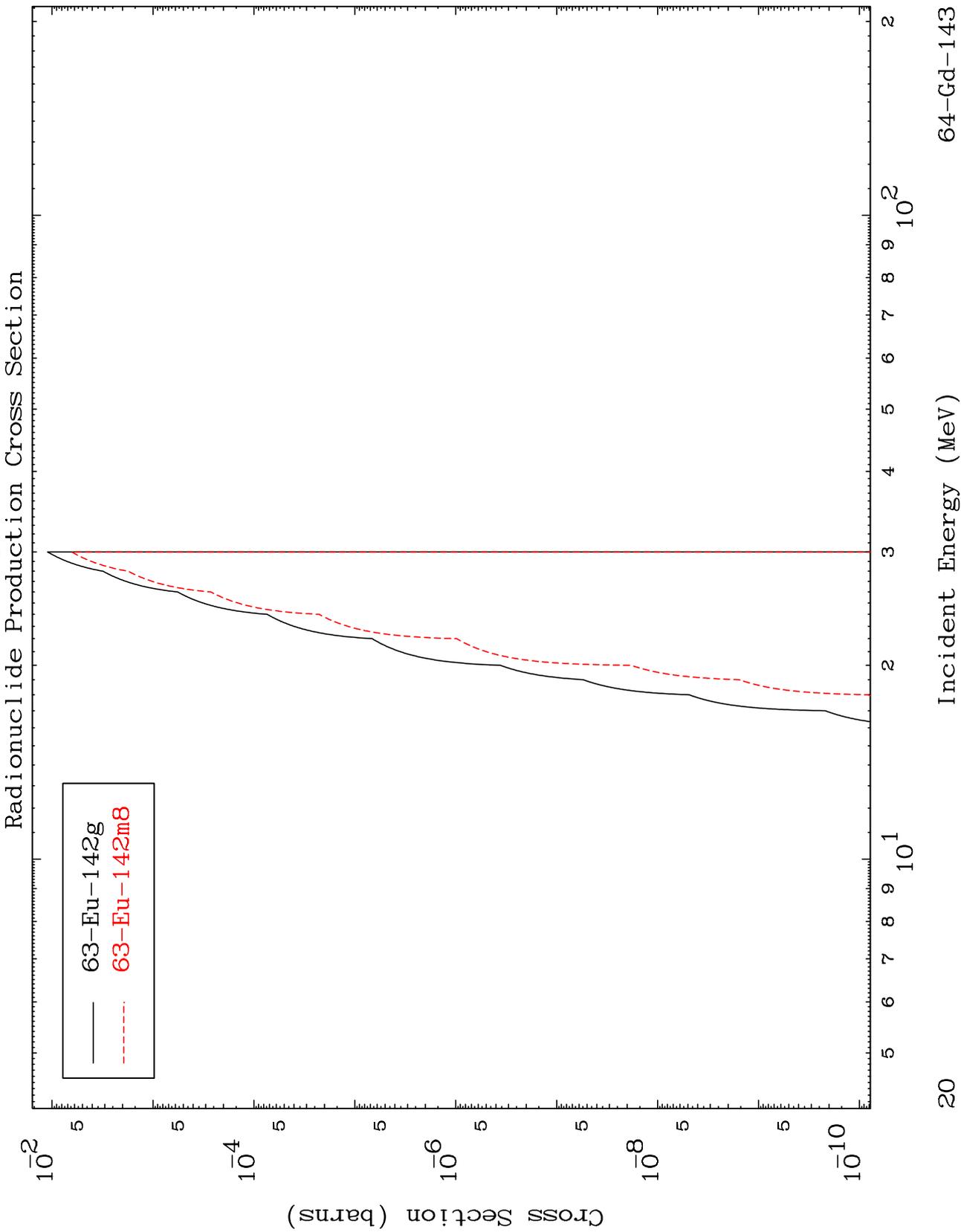
Incident Energy (MeV)

64-Gd-143

MAT 6398

(n,p) α

64-Gd-143



20

Incident Energy (MeV)

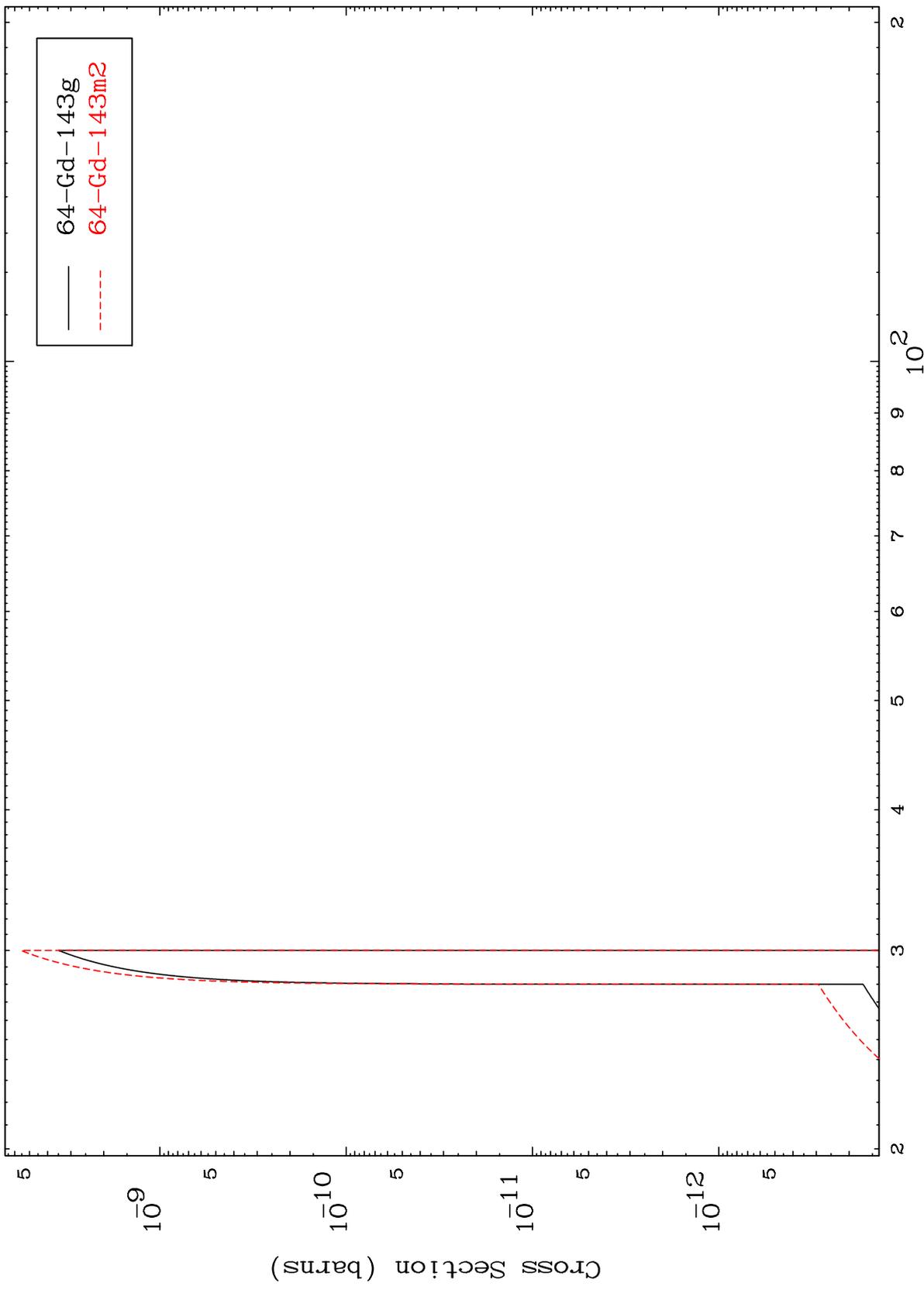
64-Gd-143

MAT 6398

(n,p) t

64-Gd-143

Radionuclide Production Cross Section



21

Incident Energy (MeV)

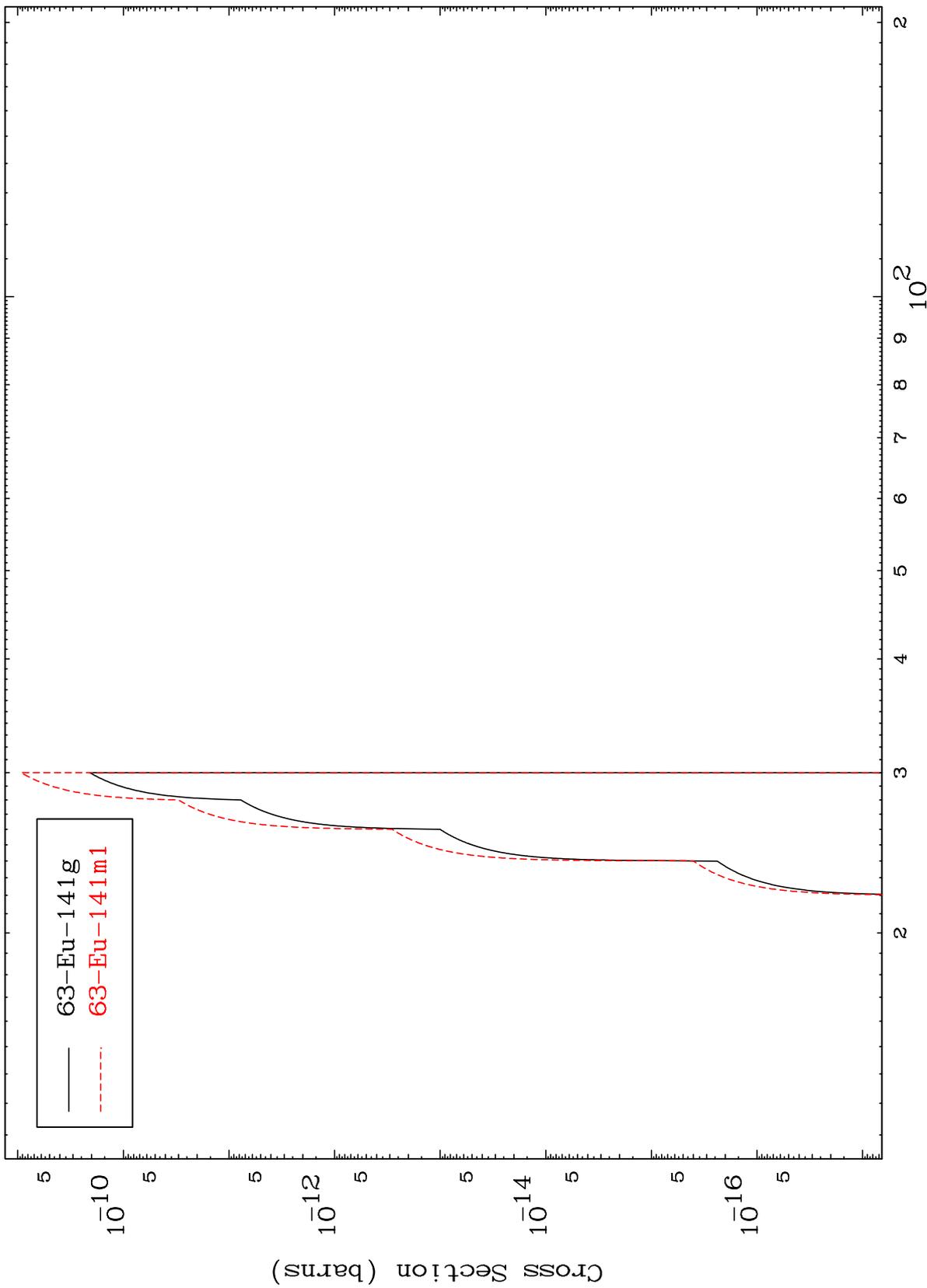
64-Gd-143

MAT 6398

(n,d) α

64-Gd-143

Radionuclide Production Cross Section



22

Incident Energy (MeV)

64-Gd-143