

Program EVALPLOT
(Version 2021-1)

by

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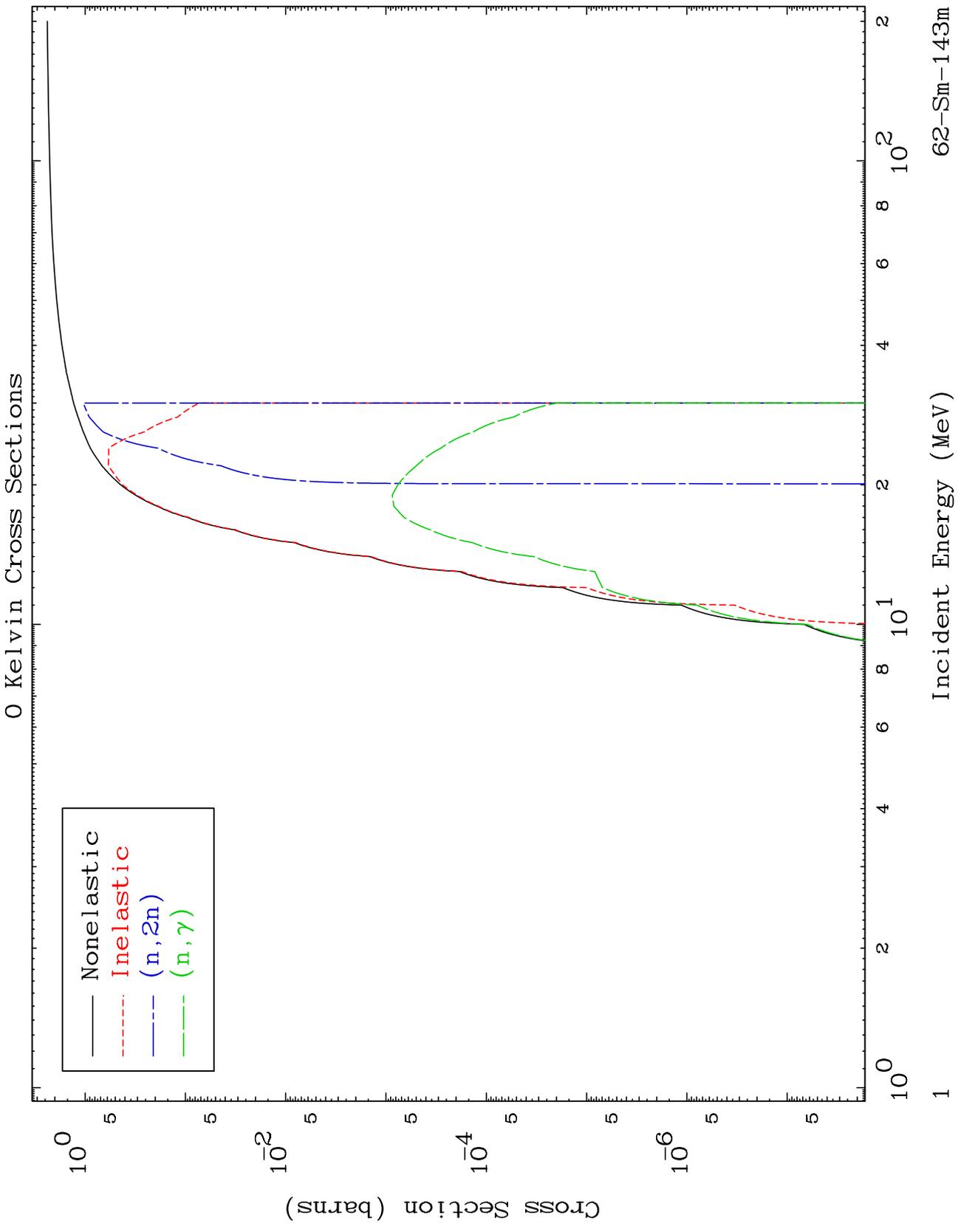
Press Mouse Button to Start

MAT 6223

0 Kelvin

Major

62-Sm-143m



Legend:
— Nonelastic
- - - Inelastic
- - - (n, 2n)
- - - (n, γ)

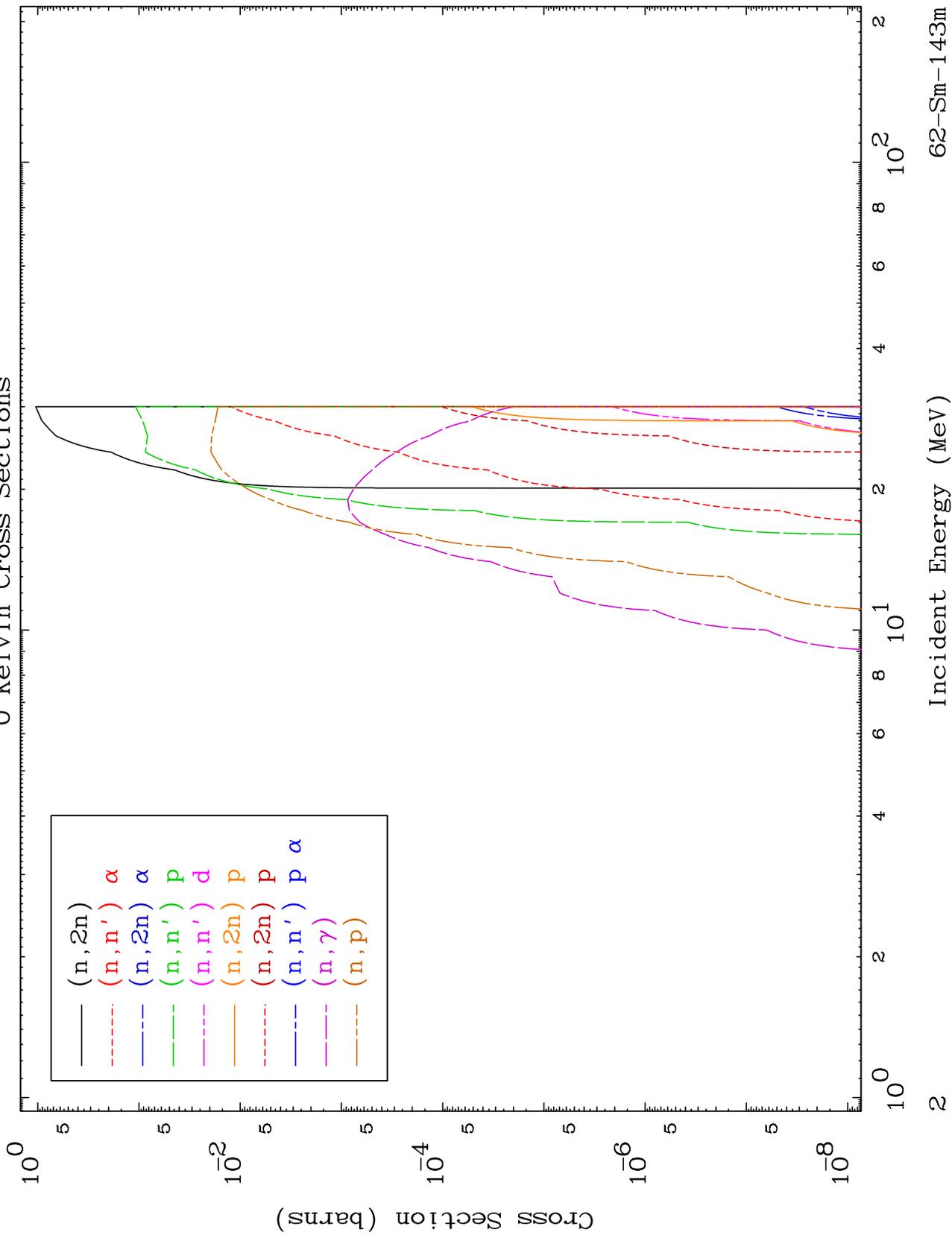
62-Sm-143m

Incident Energy (MeV)

MAT 6223

α Neutron Absorption
0 Kelvin Cross Sections

62-Sm-143m



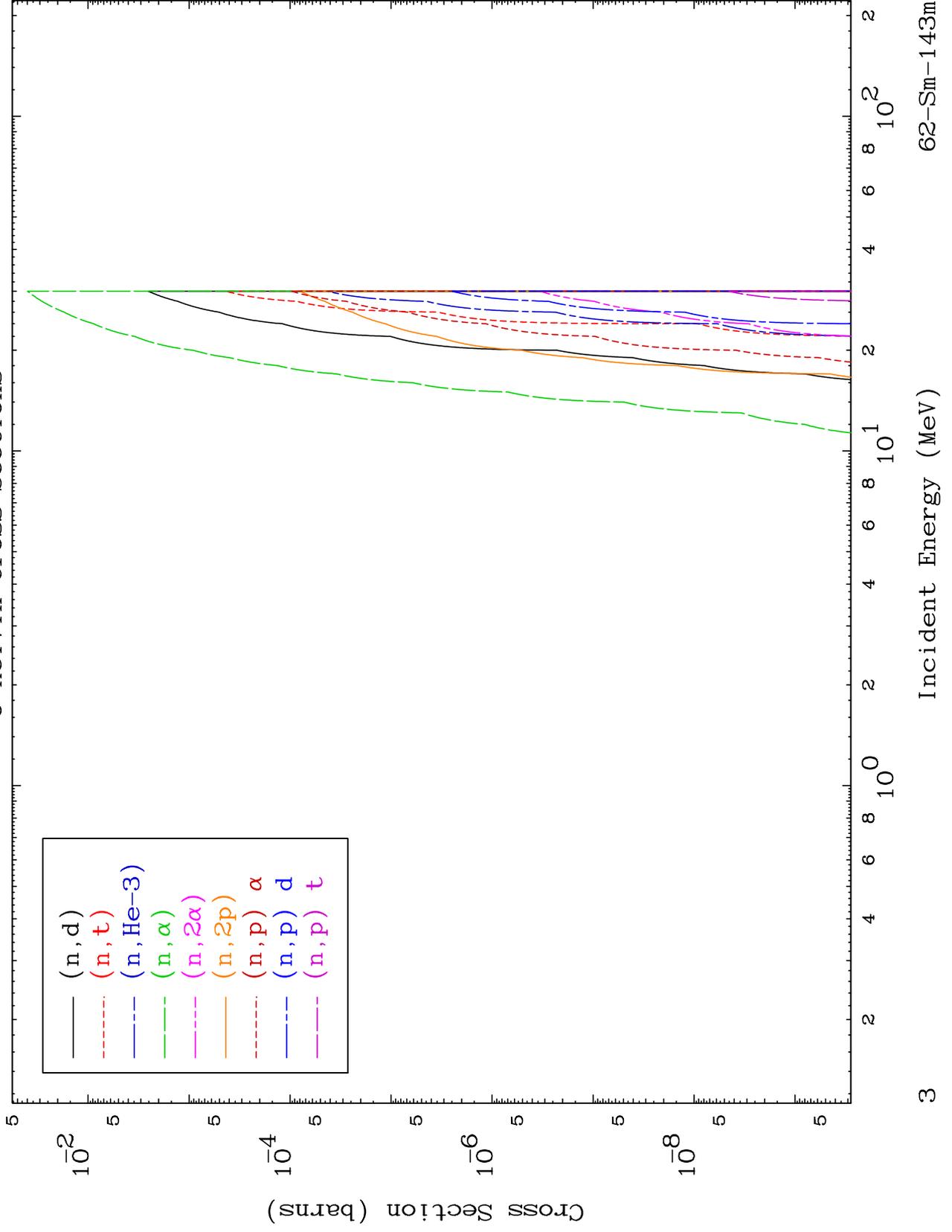
Incident Energy (MeV)

62-Sm-143m

MAT 6223

α Neutron Absorption
0 Kelvin Cross Sections

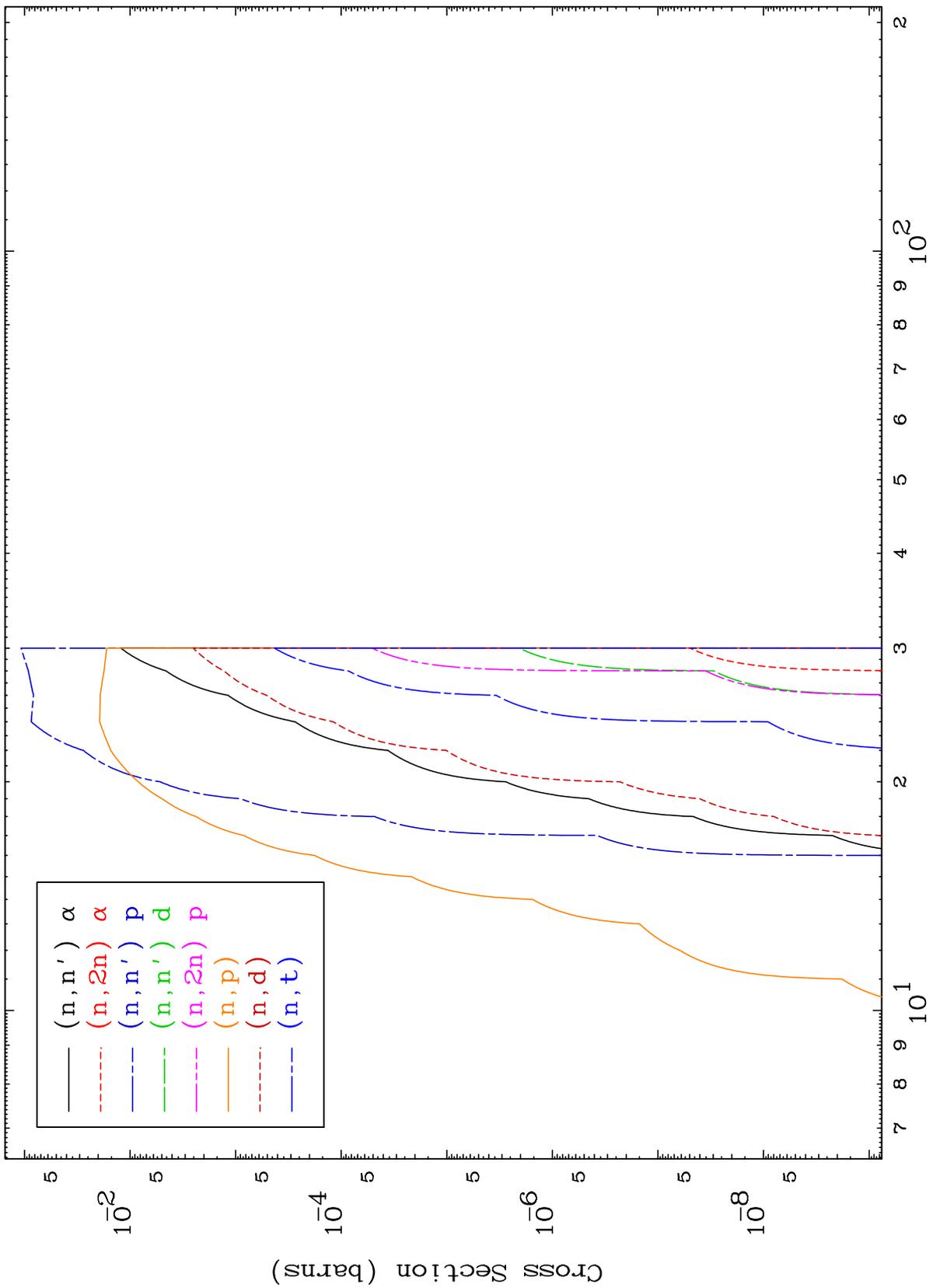
62-Sm-143m

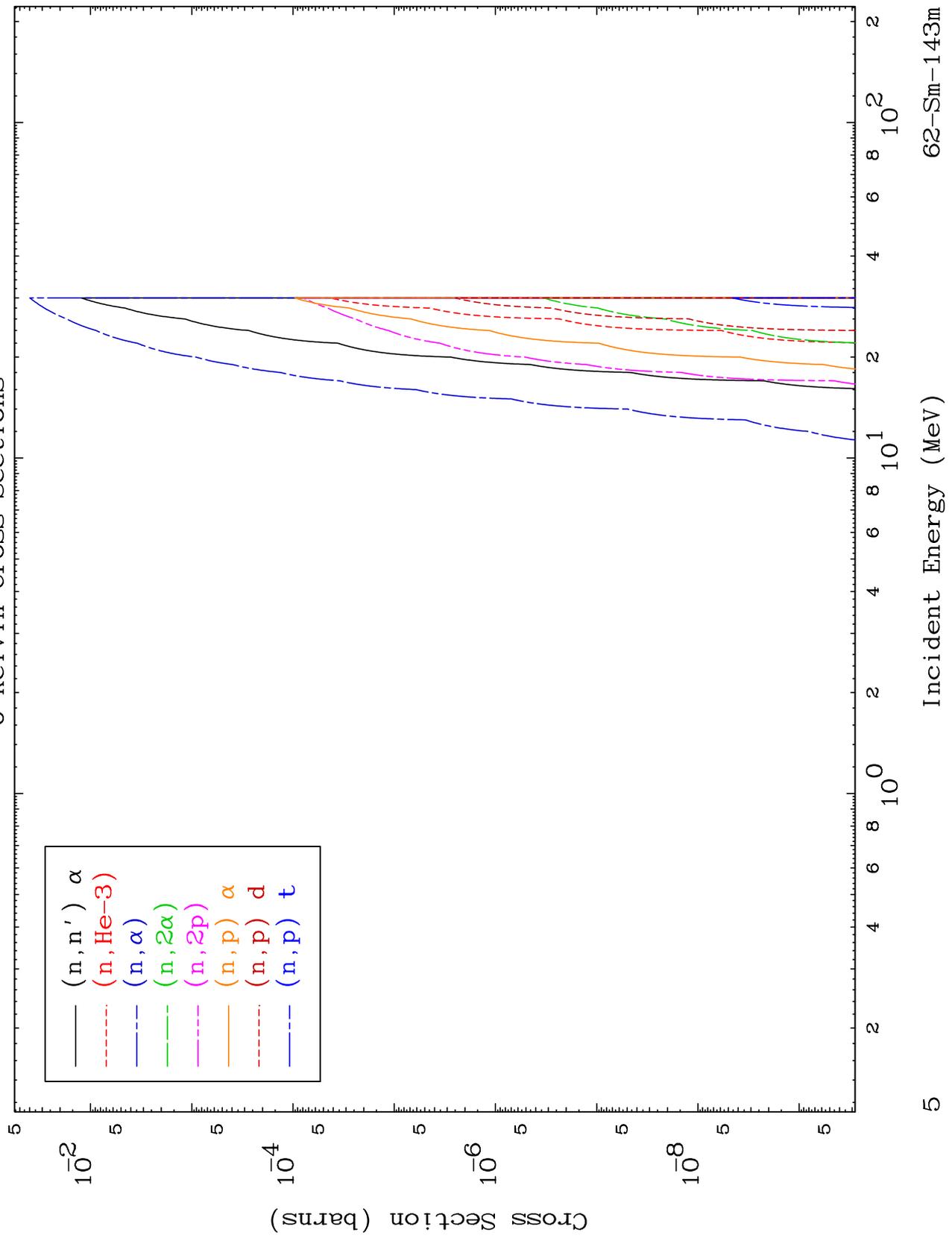


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α Charged Particle
0 Kelvin Cross Sections

62-Sm-143m

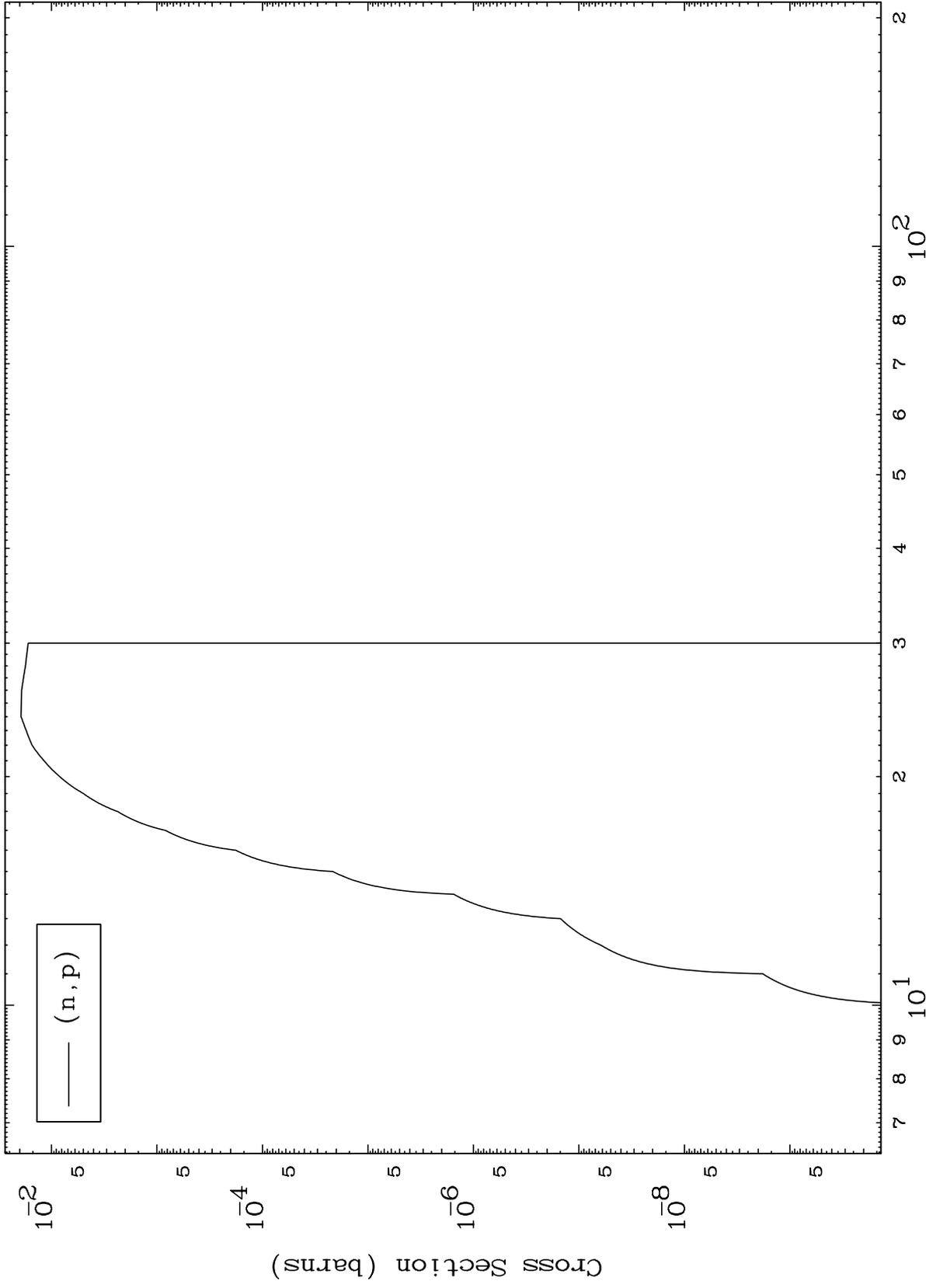




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(α, p) Levels
0 Kelvin Cross Sections

62-Sm-143m



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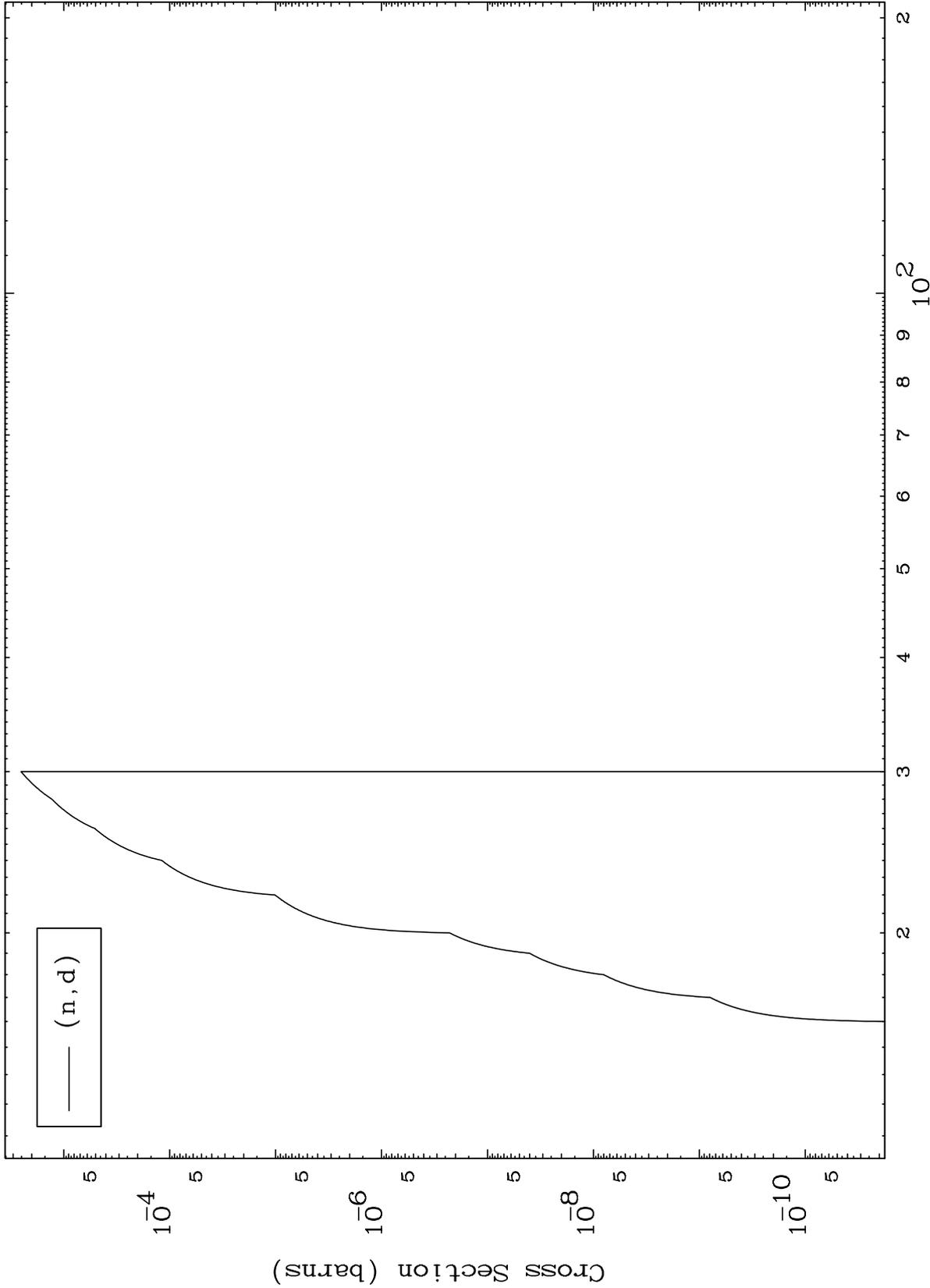
Incident Energy (MeV)

62-Sm-143m

MAT 6223

(α, d) Levels
0 Kelvin Cross Sections

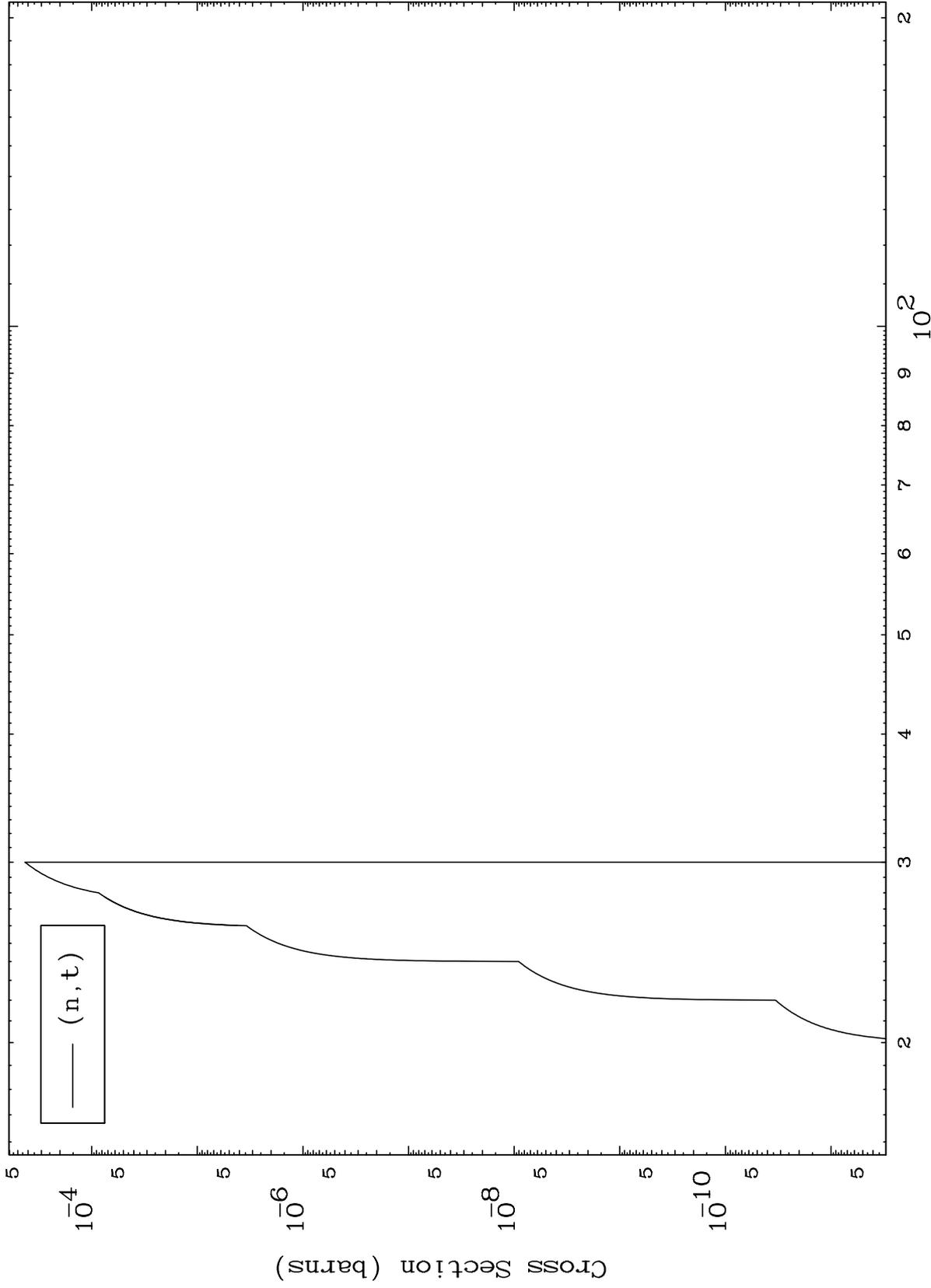
62-Sm-143m



MAT 6223

(α, t) Levels
0 Kelvin Cross Sections

62-Sm-143m



8

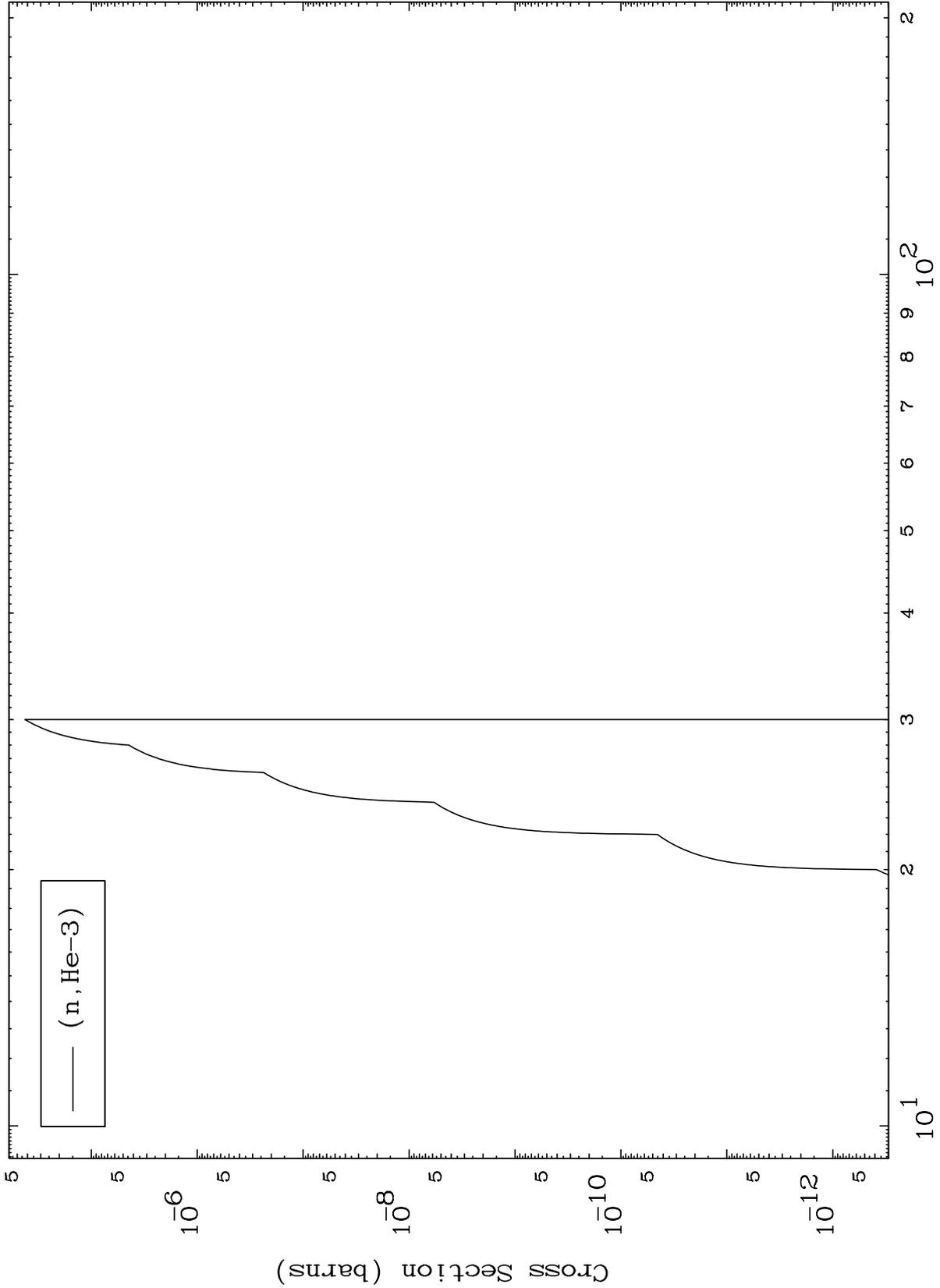
Incident Energy (MeV)

62-Sm-143m

MAT 6223

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

62-Sm-143m



Incident Energy (MeV)

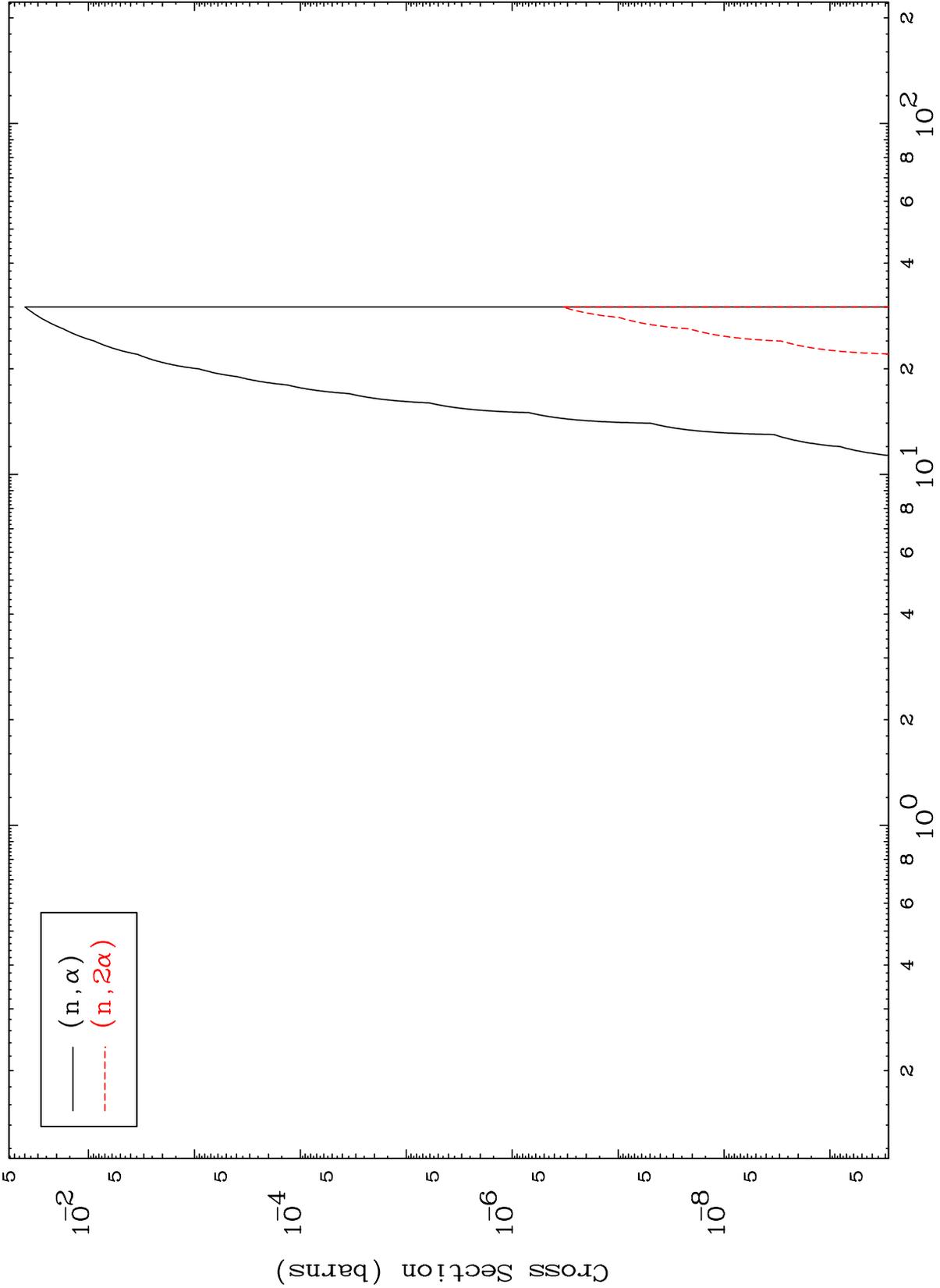
62-Sm-143m

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(α, α) Levels

62-Sm-143m

0 Kelvin Cross Sections



— (n, α)
- - - ($n, 2\alpha$)

10

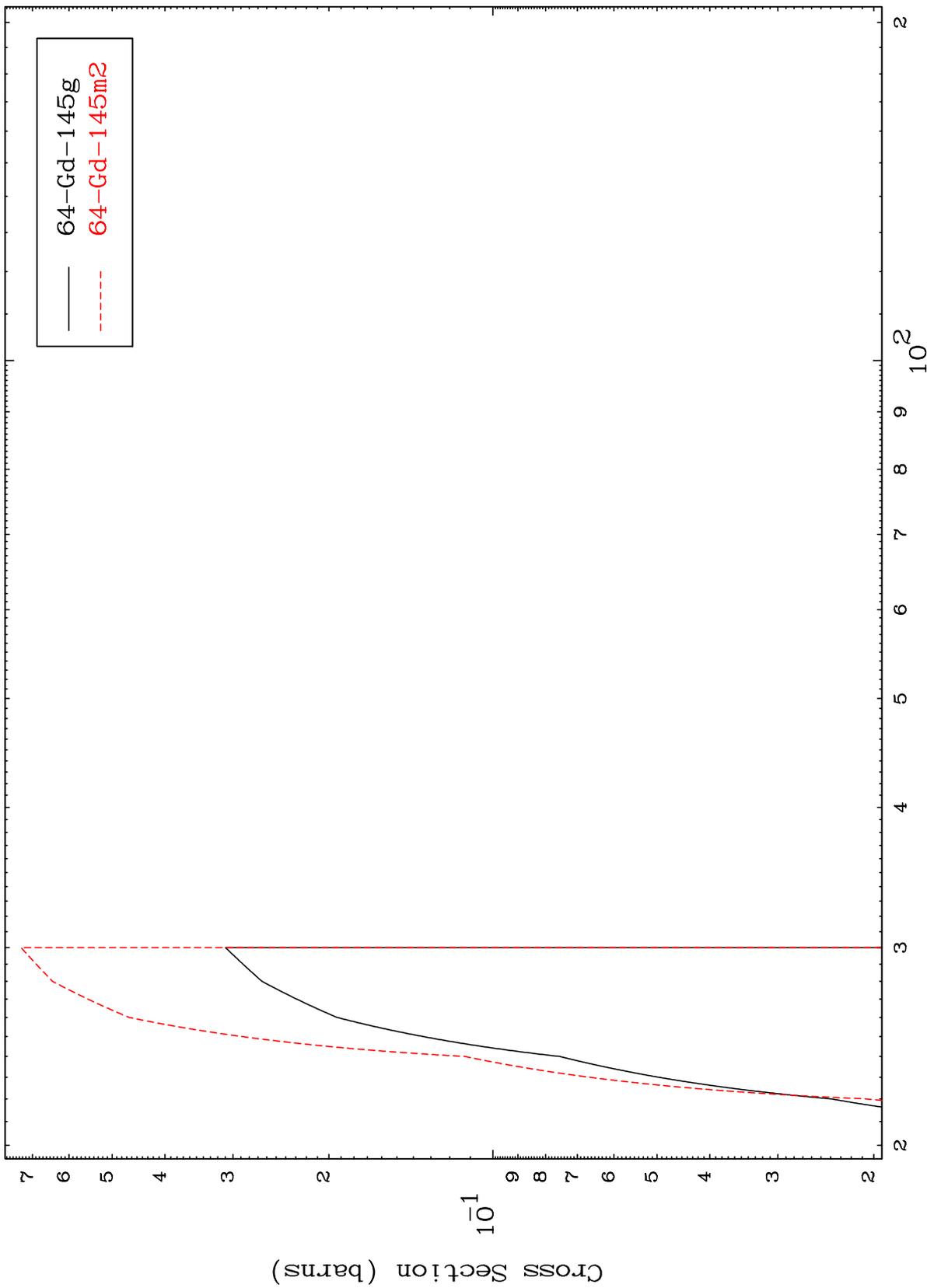
Incident Energy (MeV)

62-Sm-143m

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62-Sm-143m

(n,2n)
Radionuclide Production Cross Section



64-Gd-145g
64-Gd-145m2

62-Sm-143m

Incident Energy (MeV)

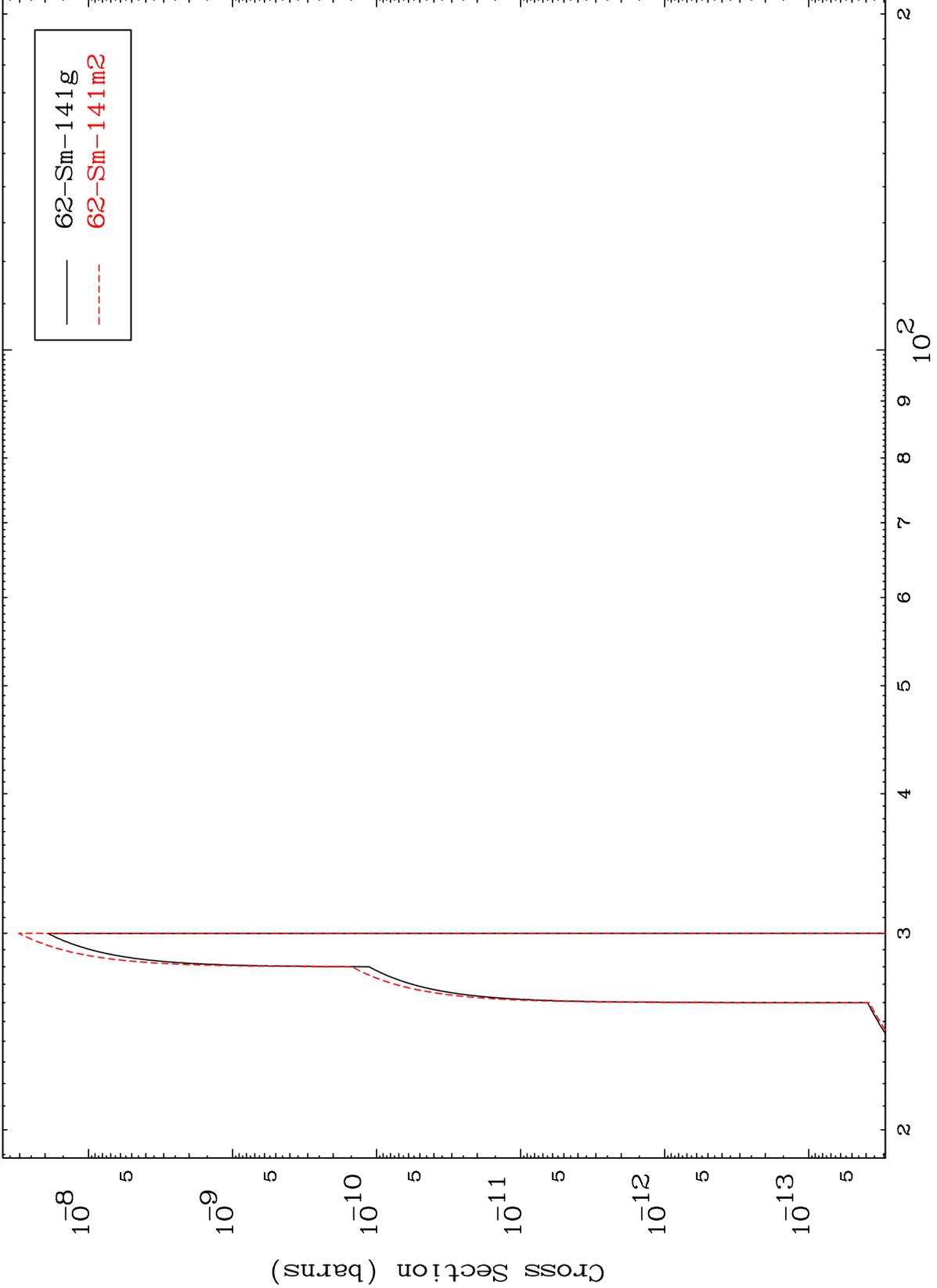
11

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$(n,2n) \alpha$

62-Sm-143m

Radionuclide Production Cross Section



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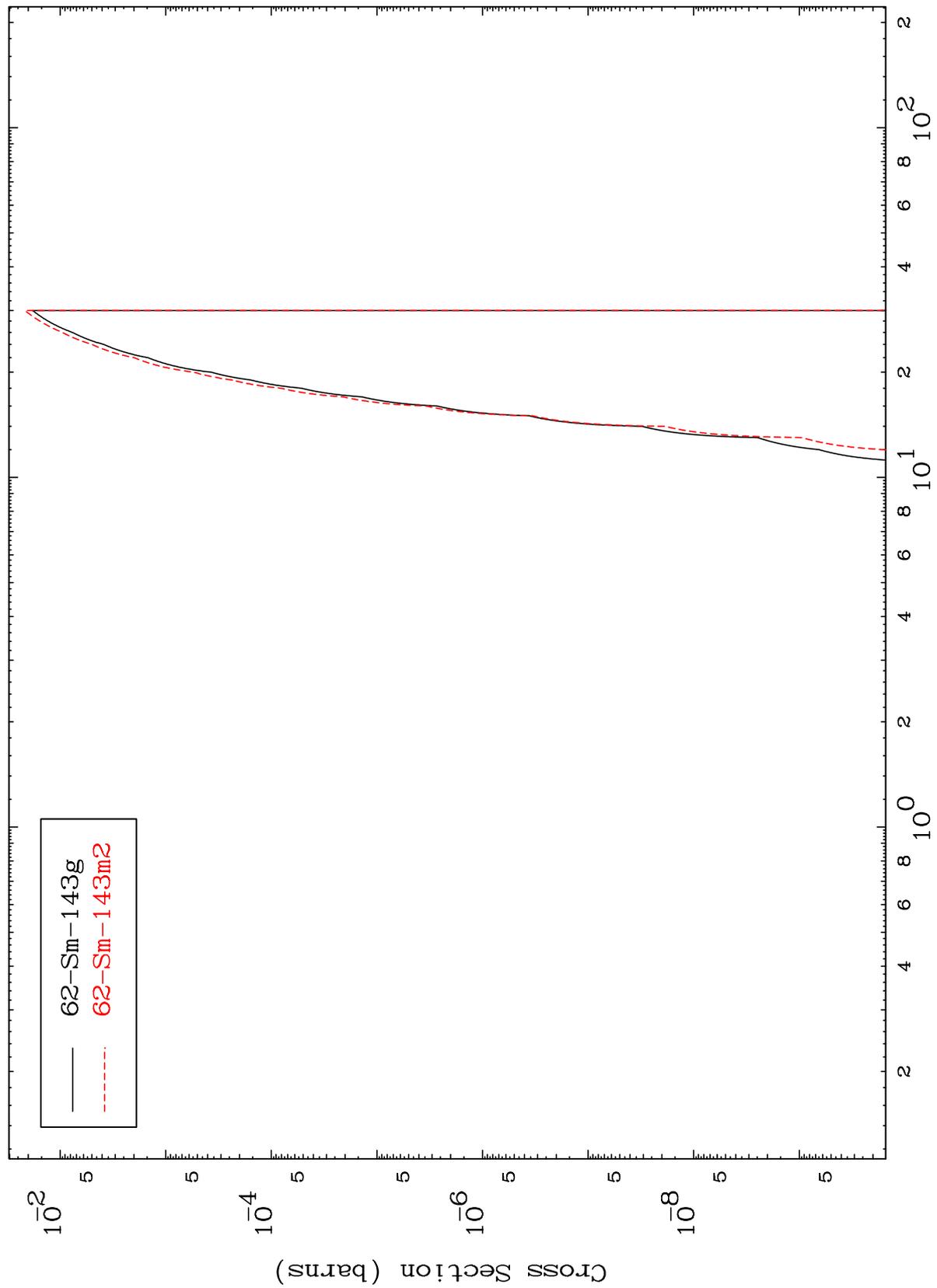
Incident Energy (MeV)

62-Sm-143m

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62-Sm-143m

Radionuclide Production Cross Section
(n, α)



62-Sm-143m

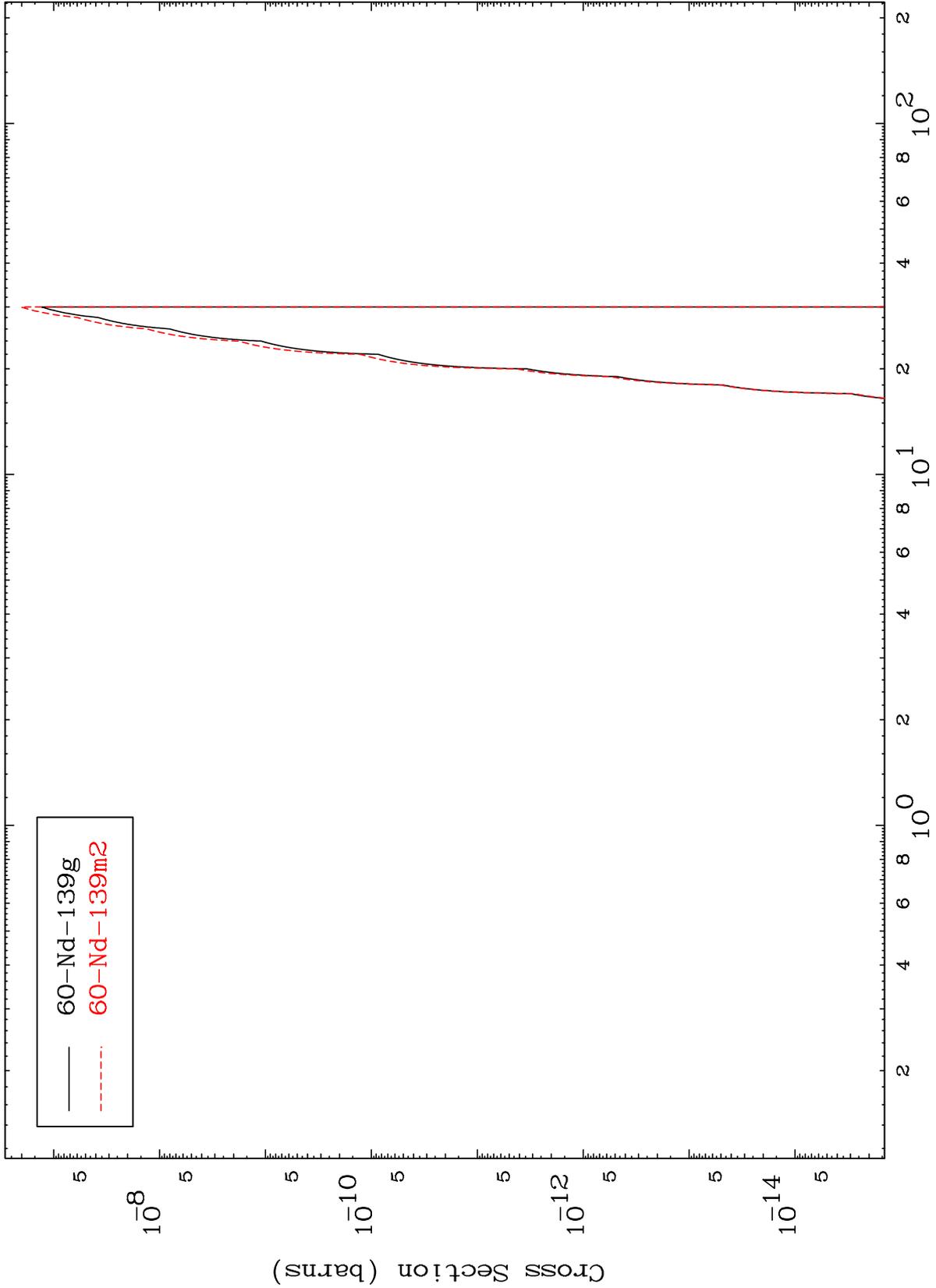
Incident Energy (MeV)

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(n,2α)

62-Sm-143m

Radionuclide Production Cross Section

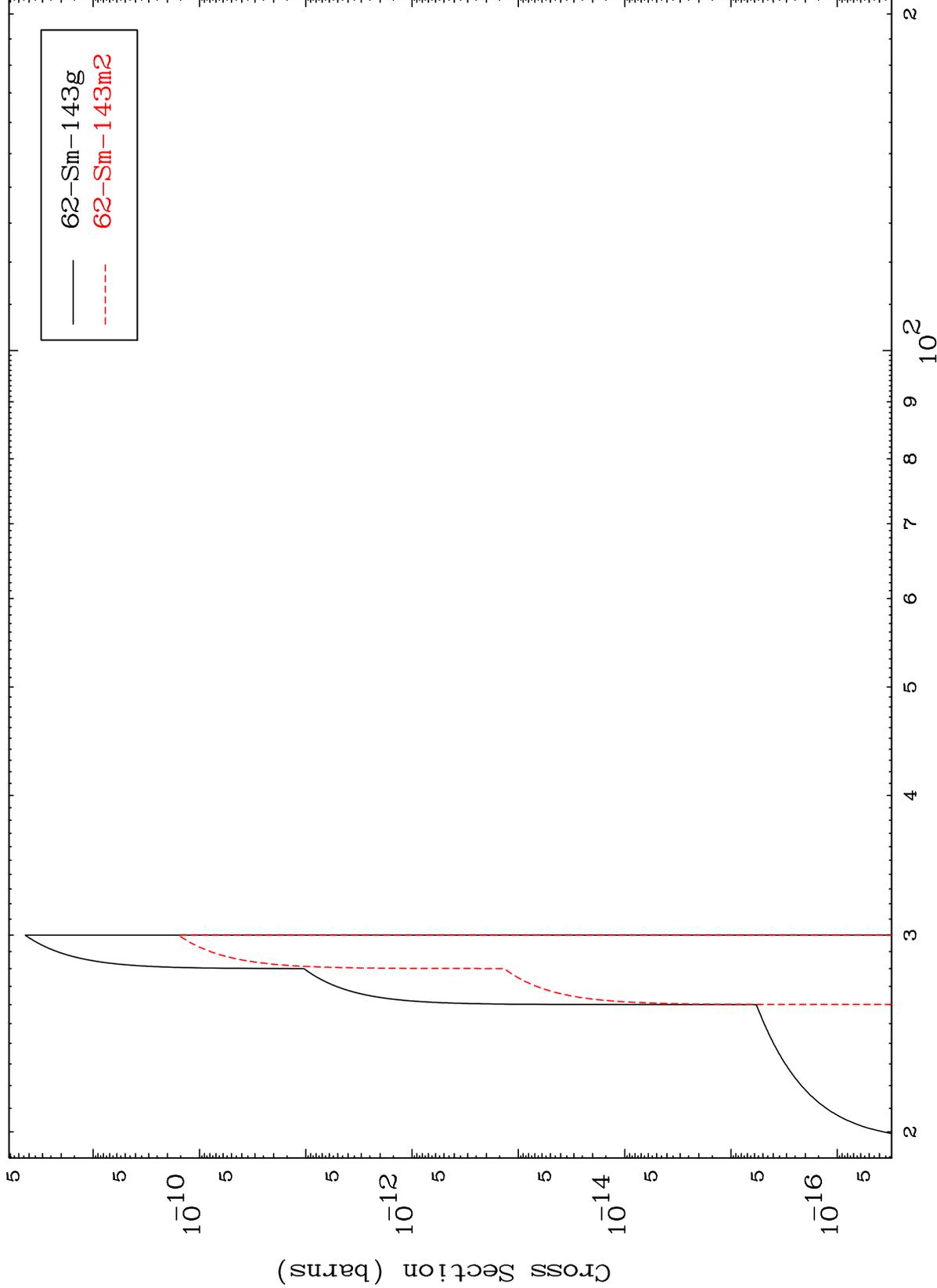


MAT 6223

(n,p) t

62-Sm-143m

Radionuclide Production Cross Section



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

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Incident Energy (MeV)

62-Sm-143m