

Program EVALPLOT
(Version 2021-1)

by

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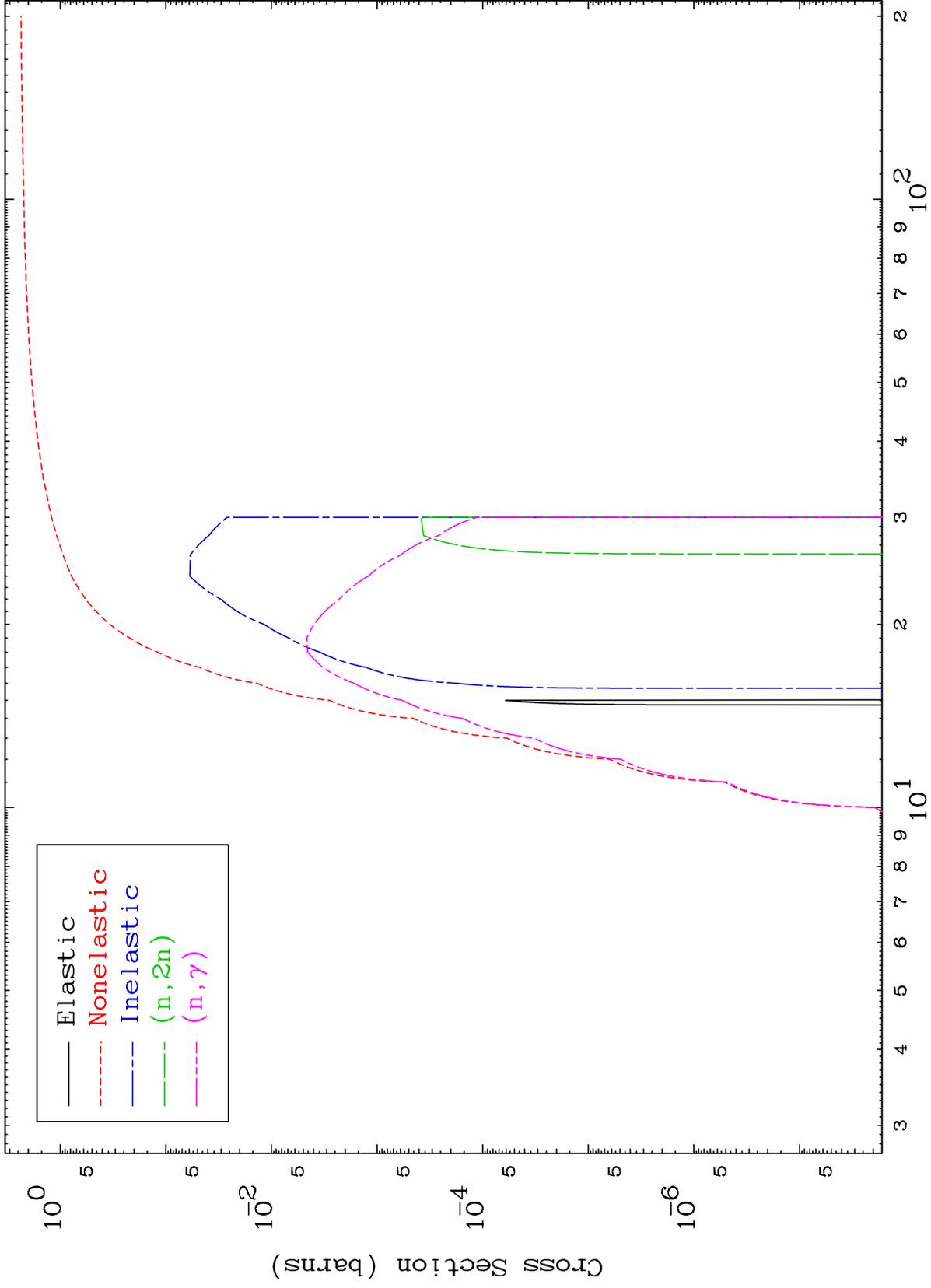
Press Mouse Button to Start

MAT 6389

0 Kelvin Cross Sections

α Major

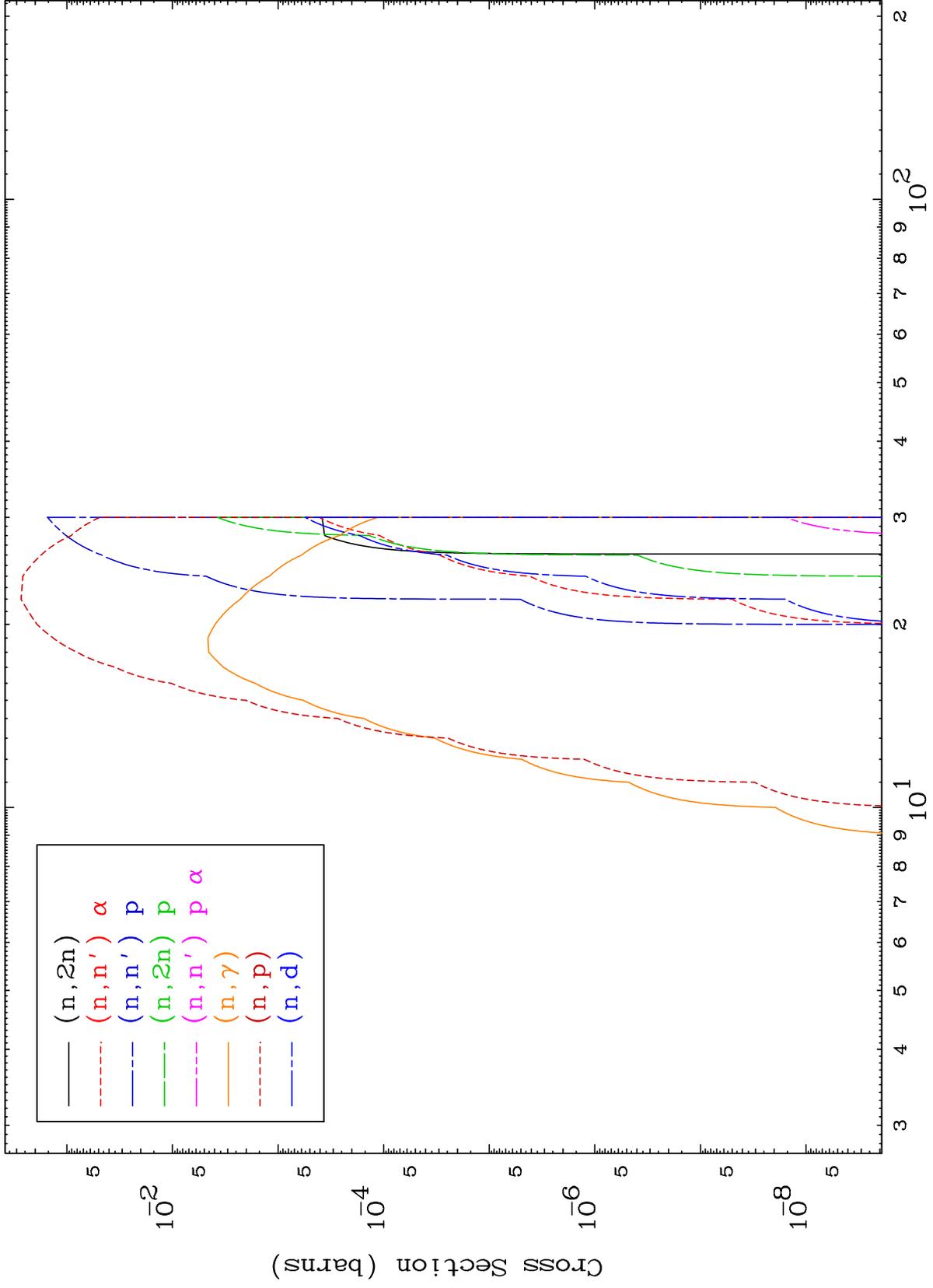
64-Gd-140



MAT 6389

α Neutron Absorption
0 Kelvin Cross Sections

64-Gd-140



2

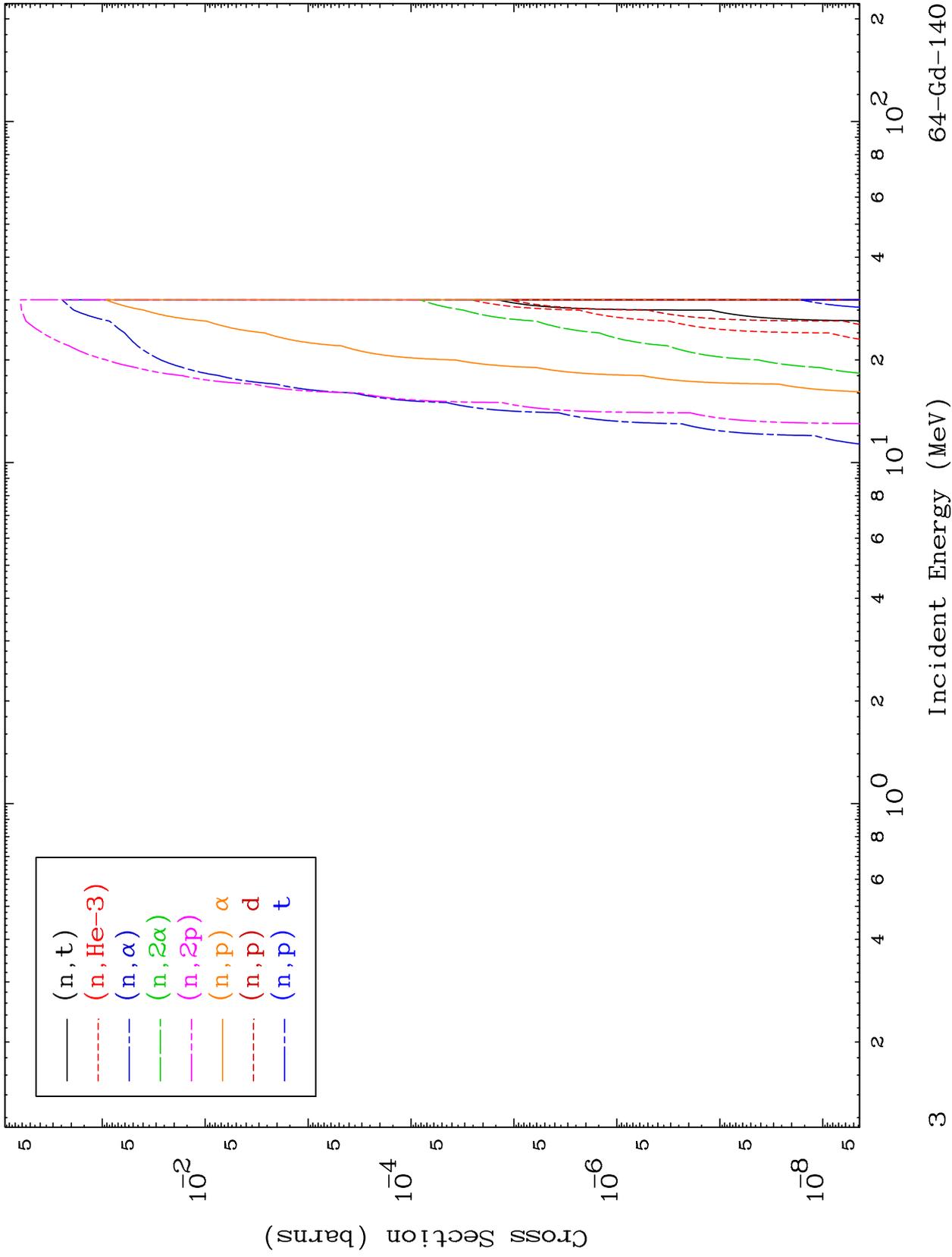
Incident Energy (MeV)

64-Gd-140

MAT 6389

α Neutron Absorption
0 Kelvin Cross Sections

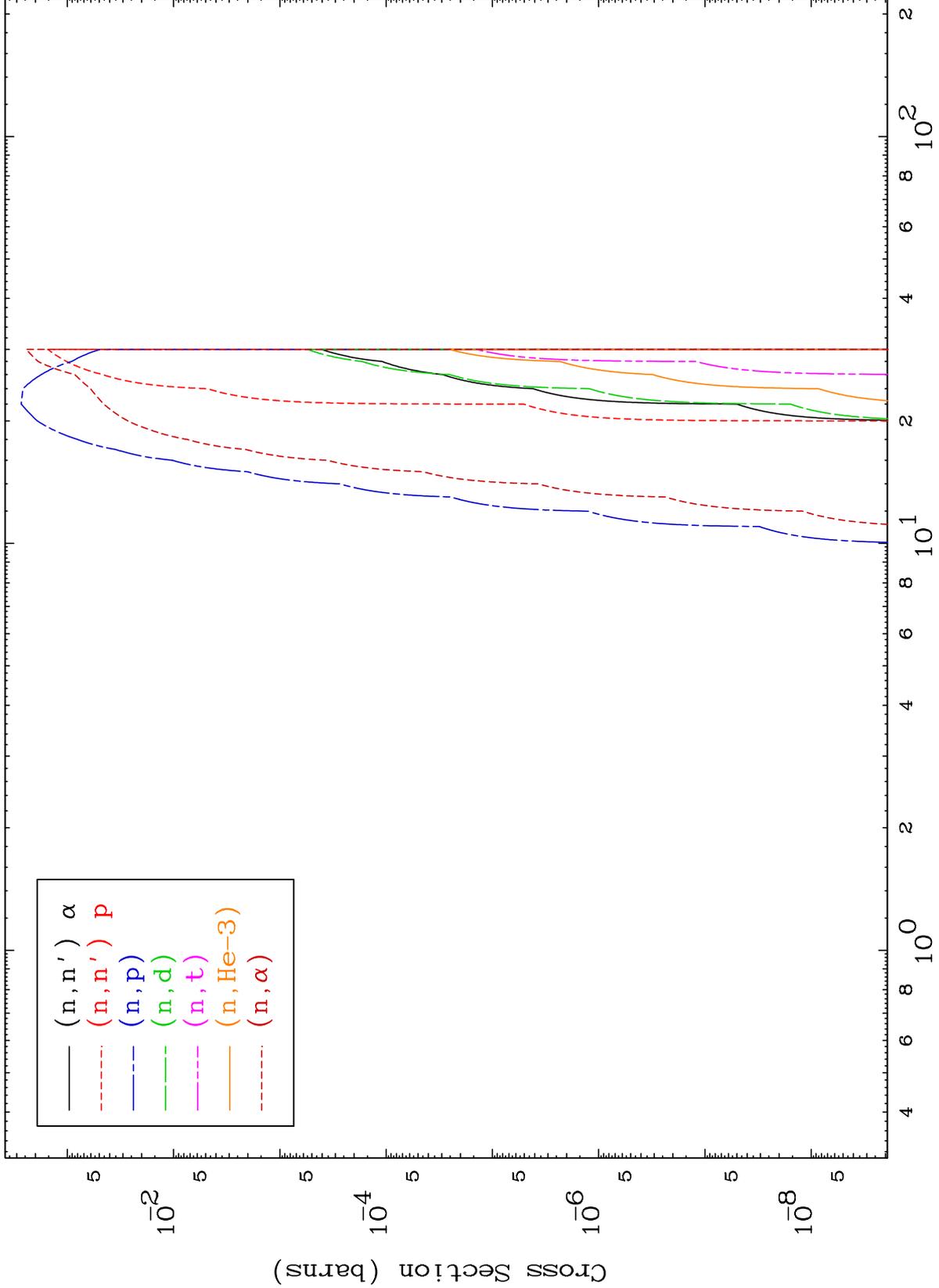
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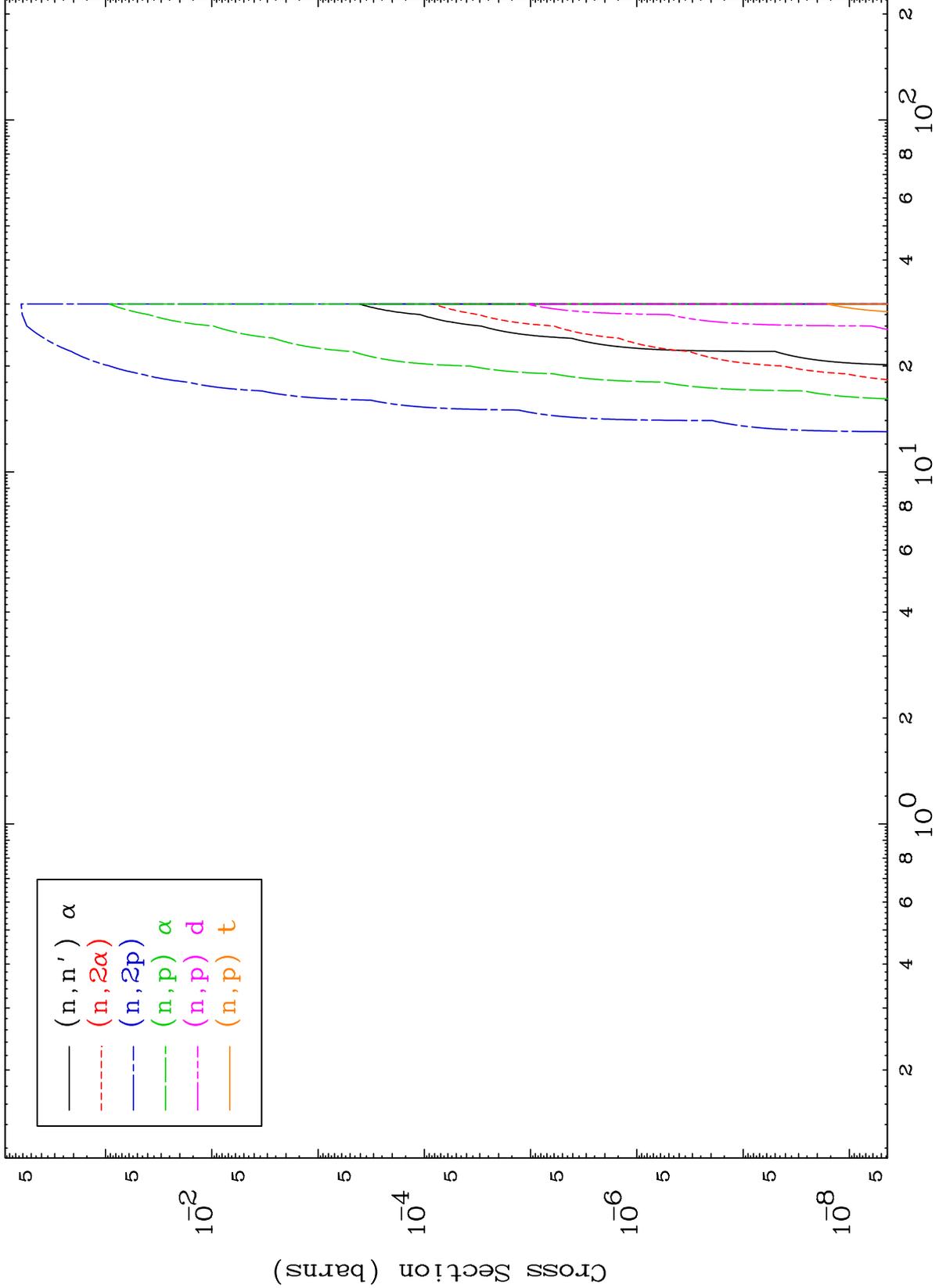


MAT 6389

α Charged Particle
0 Kelvin Cross Sections

64-Gd-140

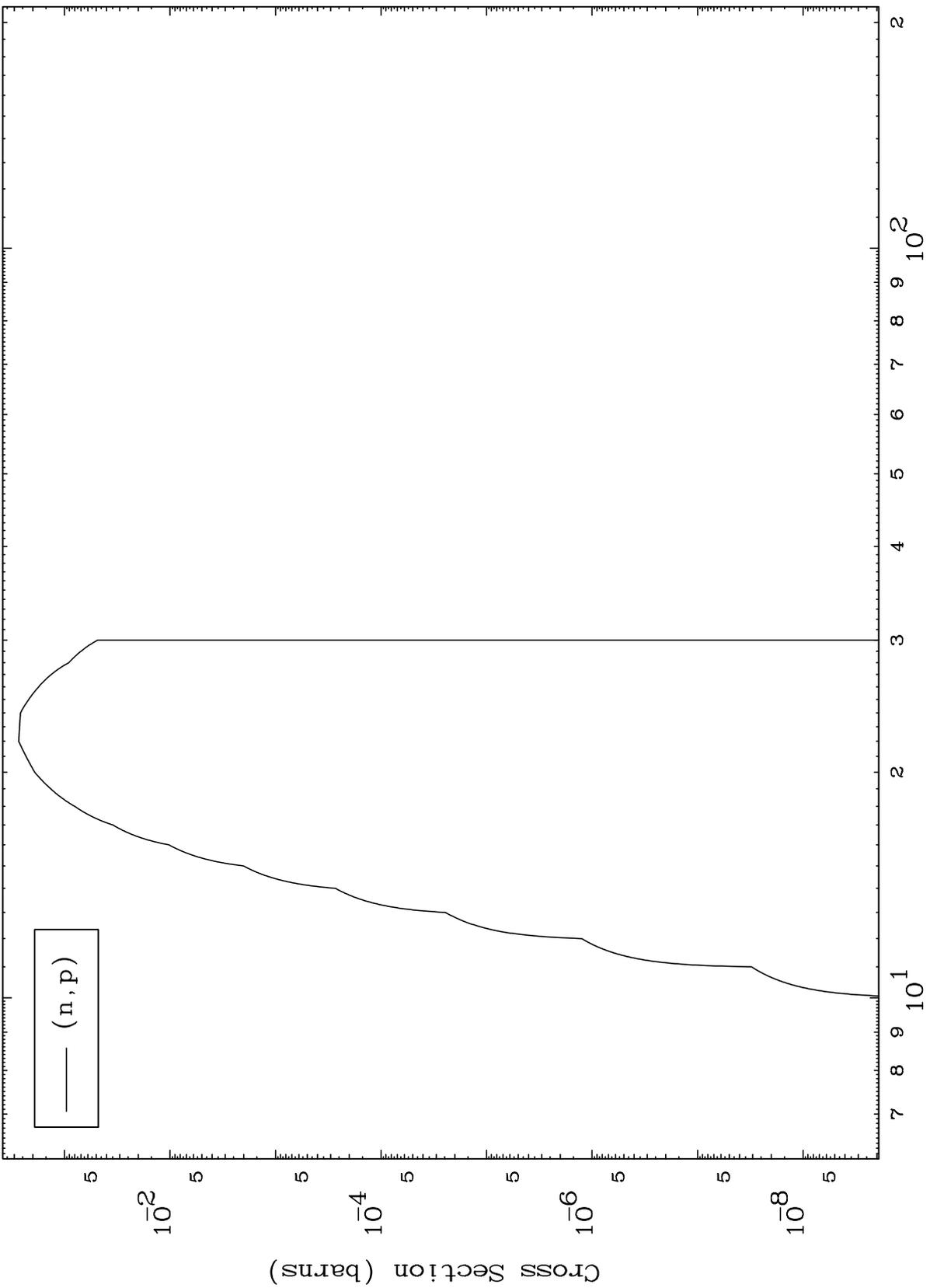




MAT 6389

64-Gd-140

(α, p) Levels
0 Kelvin Cross Sections



64-Gd-140

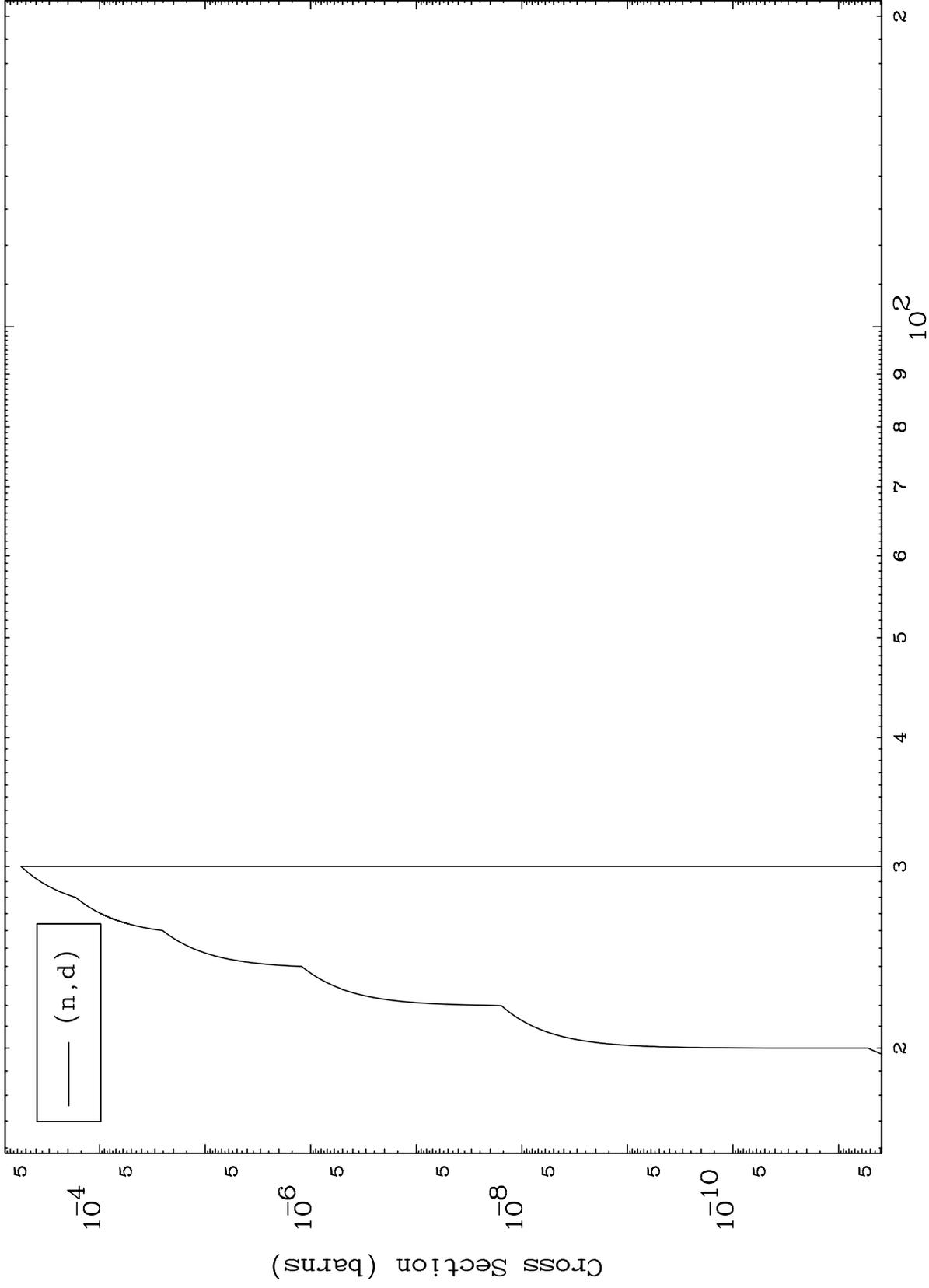
Incident Energy (MeV)

6

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(α, d) Levels
0 Kelvin Cross Sections

64-Gd-140



7

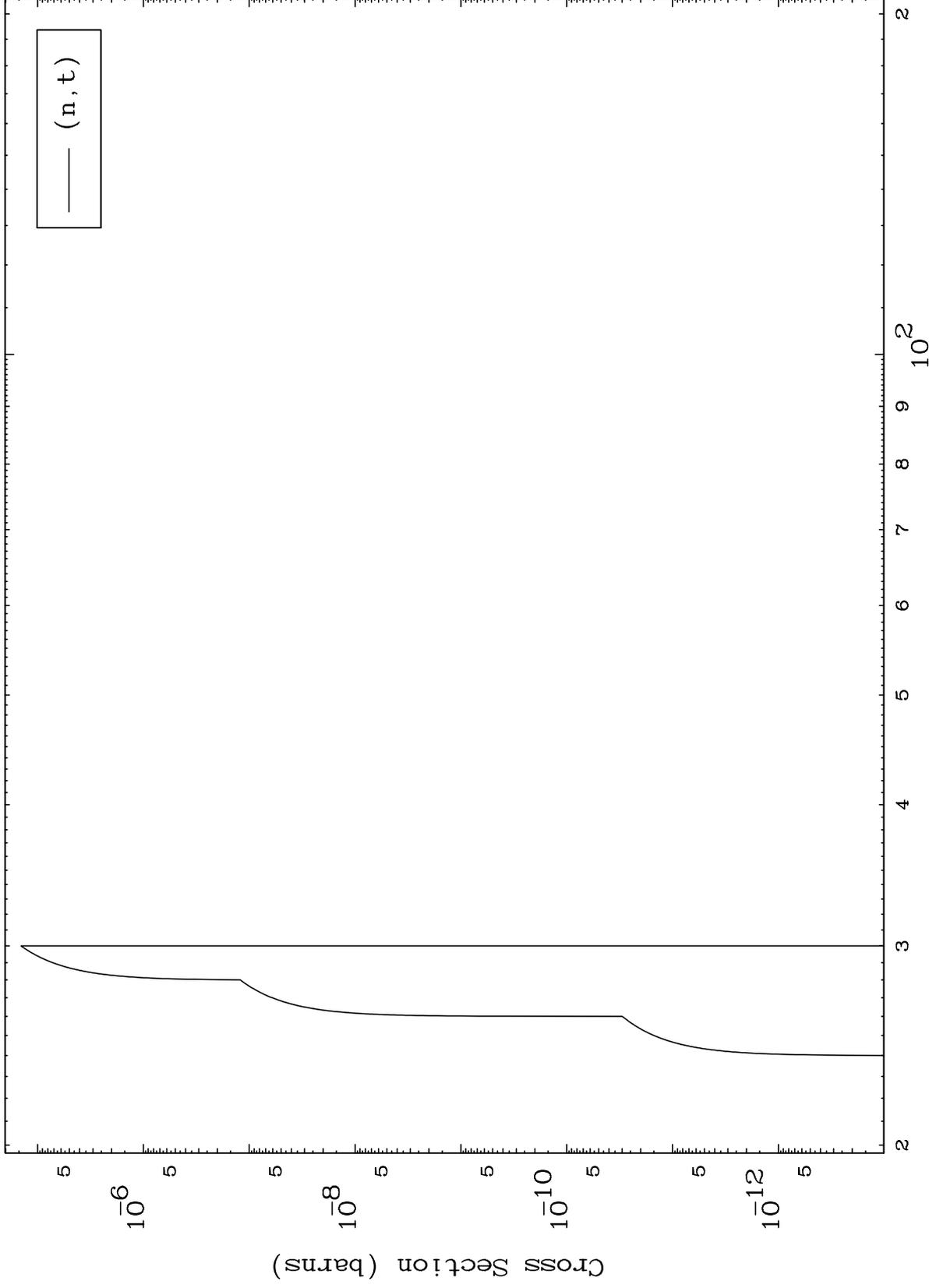
Incident Energy (MeV)

64-Gd-140

MAT 6389

(α, t) Levels
0 Kelvin Cross Sections

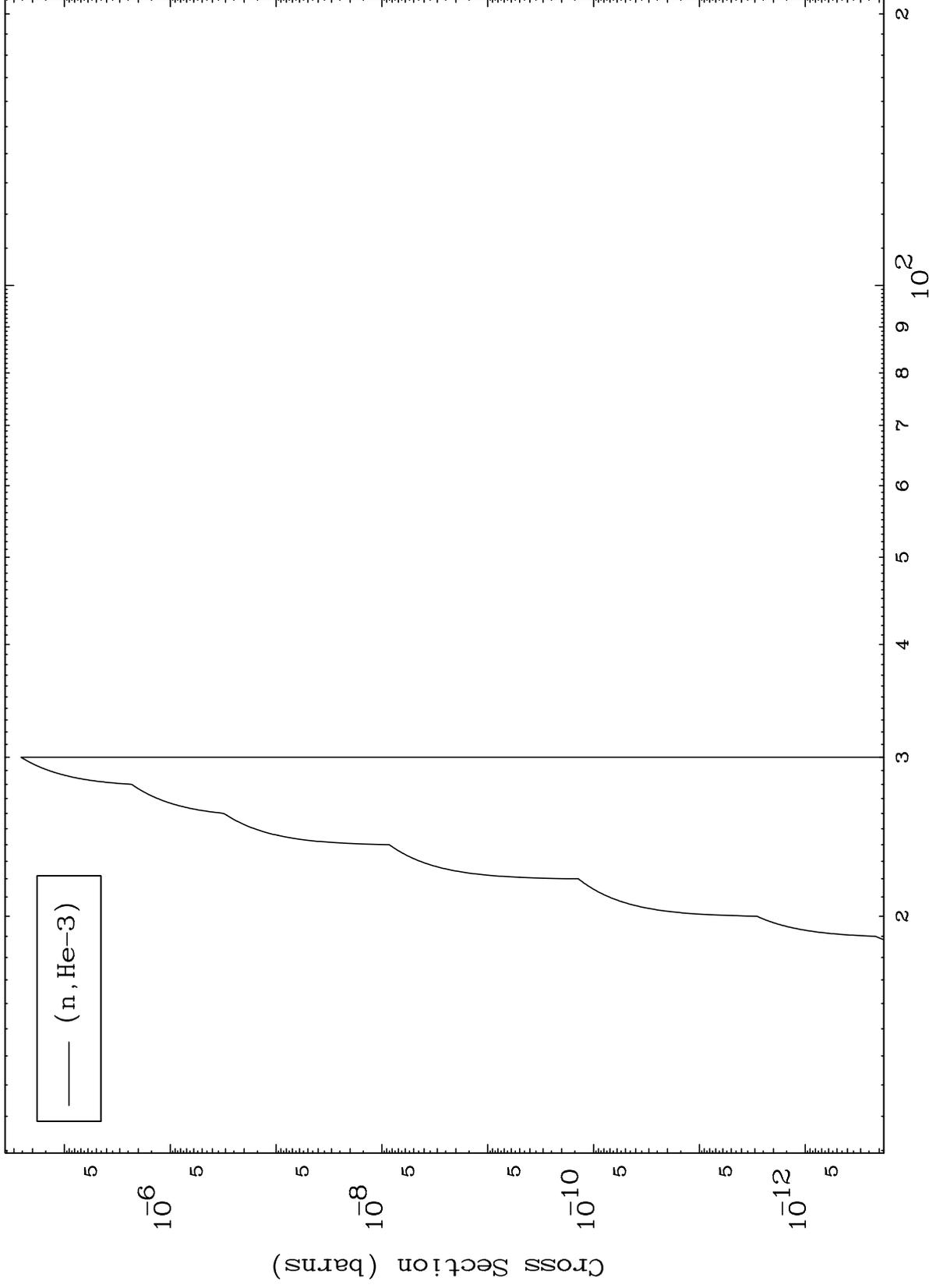
64-Gd-140



8

Incident Energy (MeV)

64-Gd-140

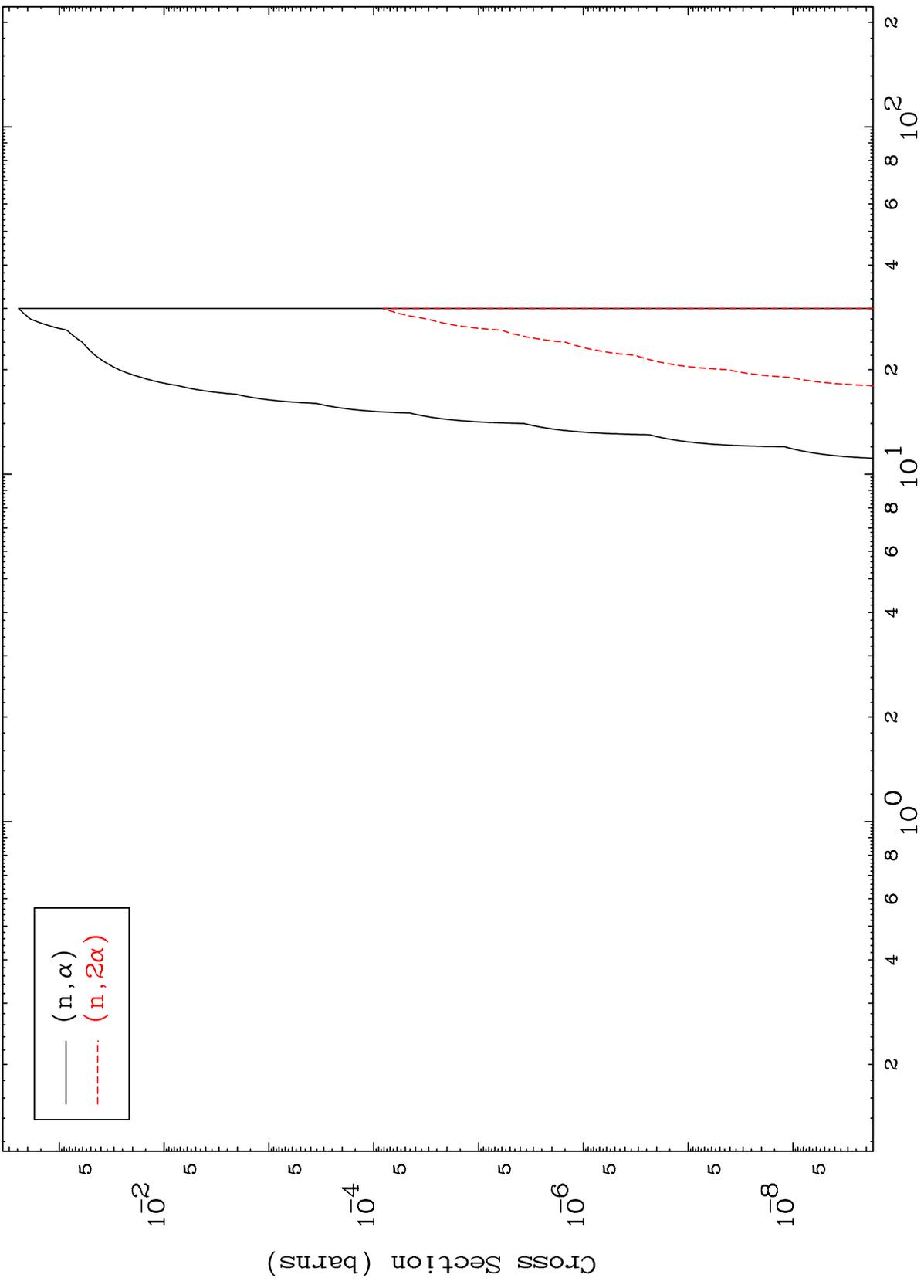


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(α, α) Levels

64-Gd-140

0 Kelvin Cross Sections



— (n, α)
- - - ($n, 2\alpha$)

10

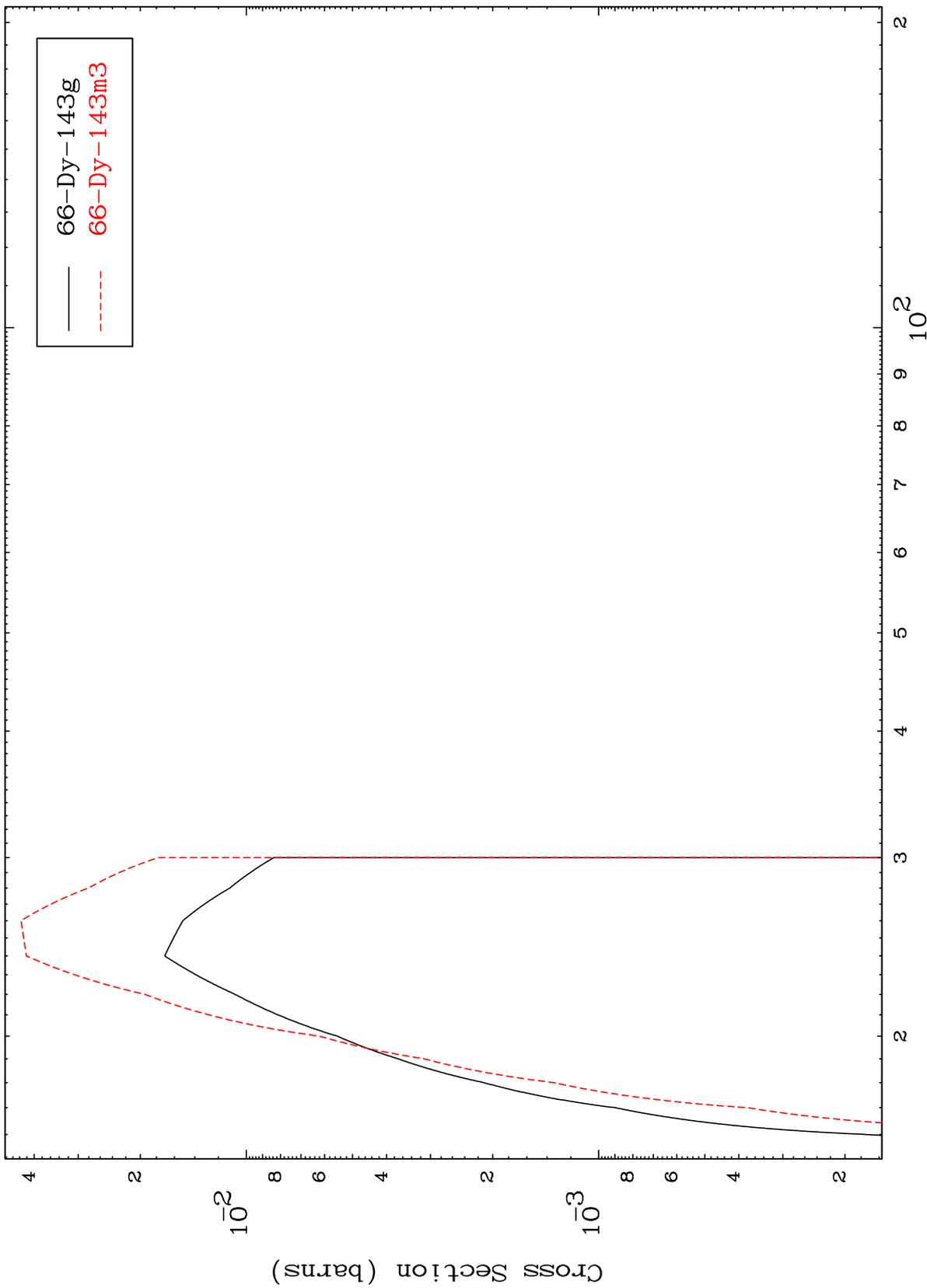
Incident Energy (MeV)

64-Gd-140

MAT 6389

64-Gd-140

Inelastic
Radionuclide Production Cross Section



11

64-Gd-140

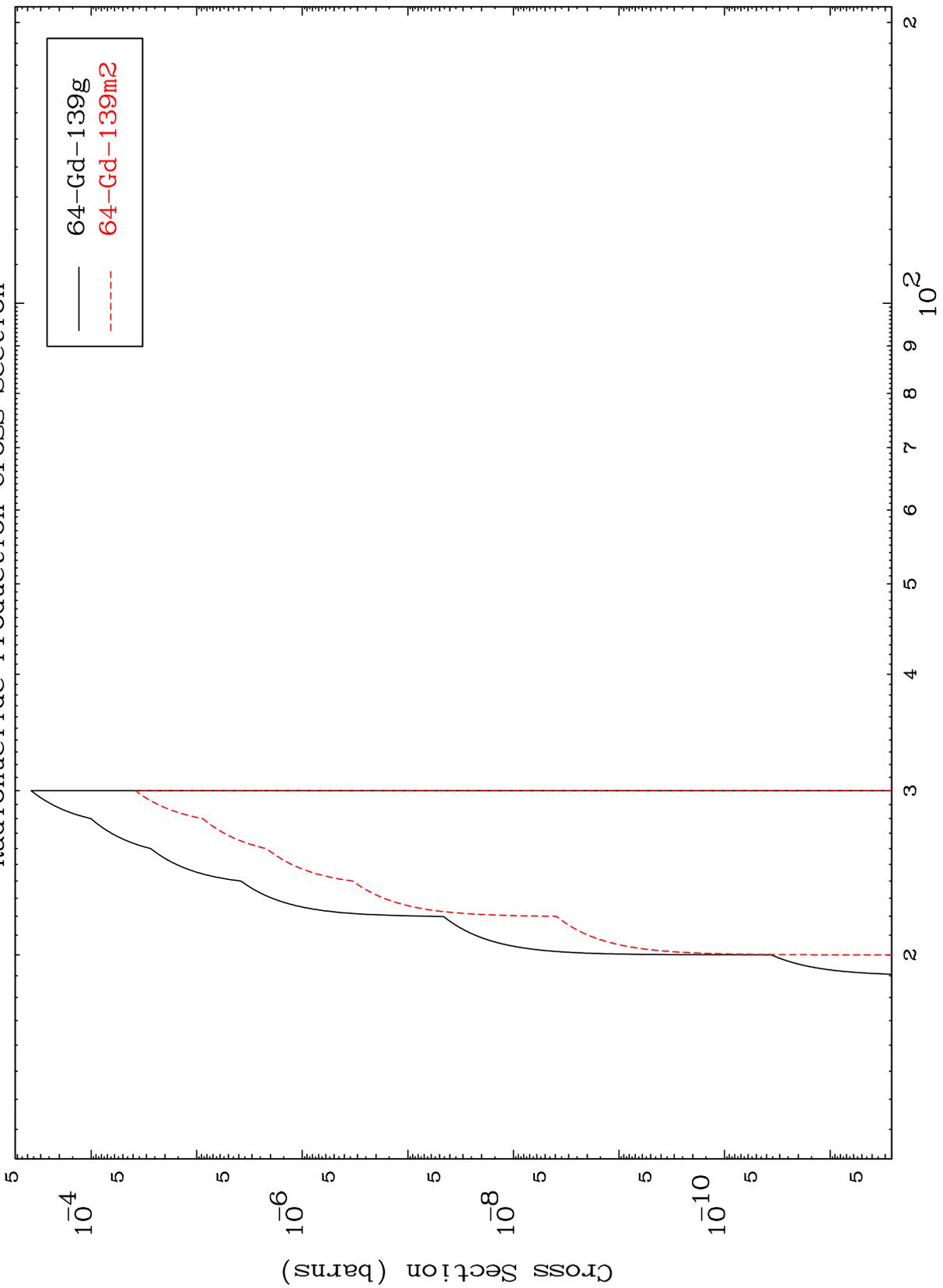
Incident Energy (MeV)

MAT 6389

$(n, n') \alpha$

64-Gd-140

Radionuclide Production Cross Section



12

Incident Energy (MeV)

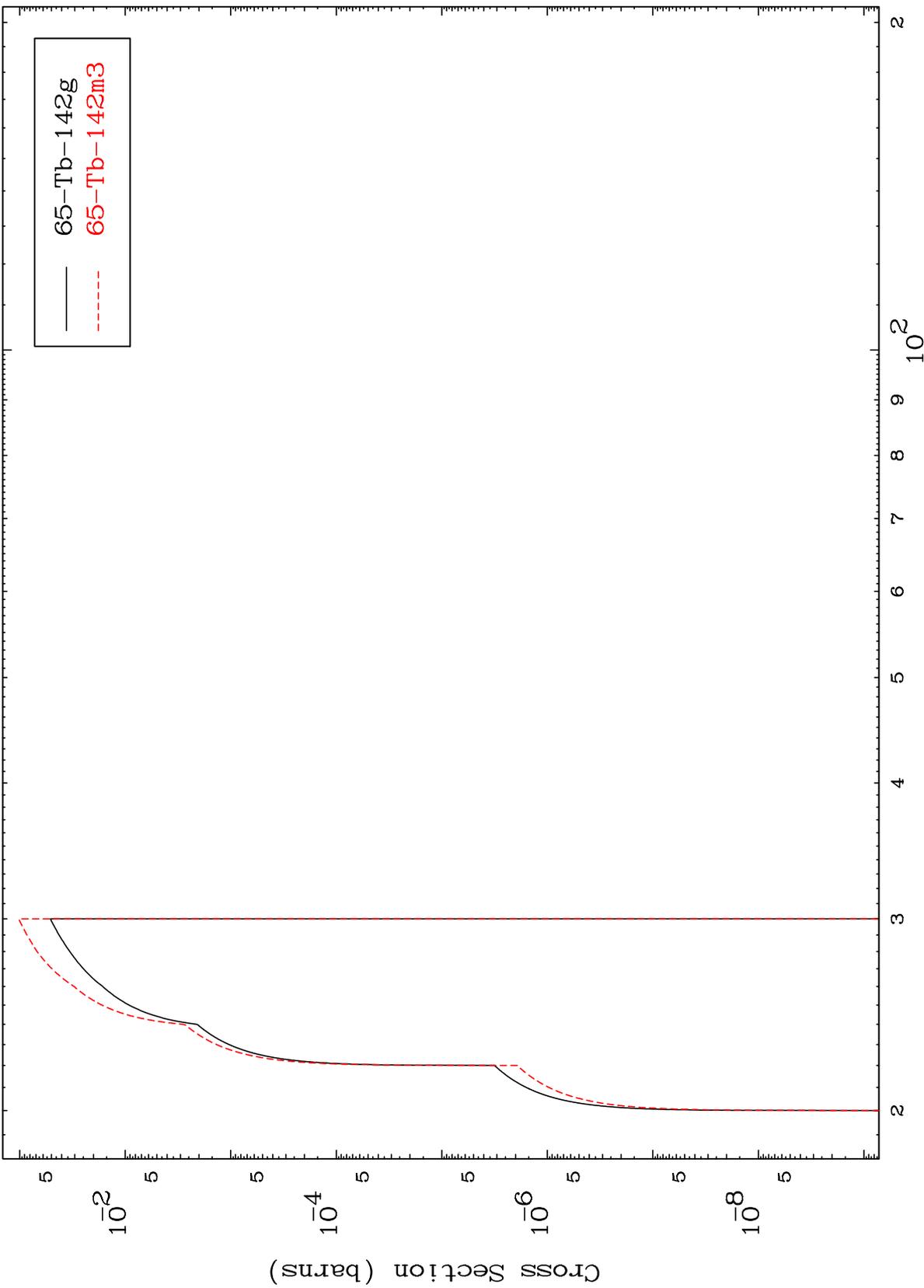
64-Gd-140

MAT 6389

(n,n') p

64-Gd-140

Radionuclide Production Cross Section



13

Incident Energy (MeV)

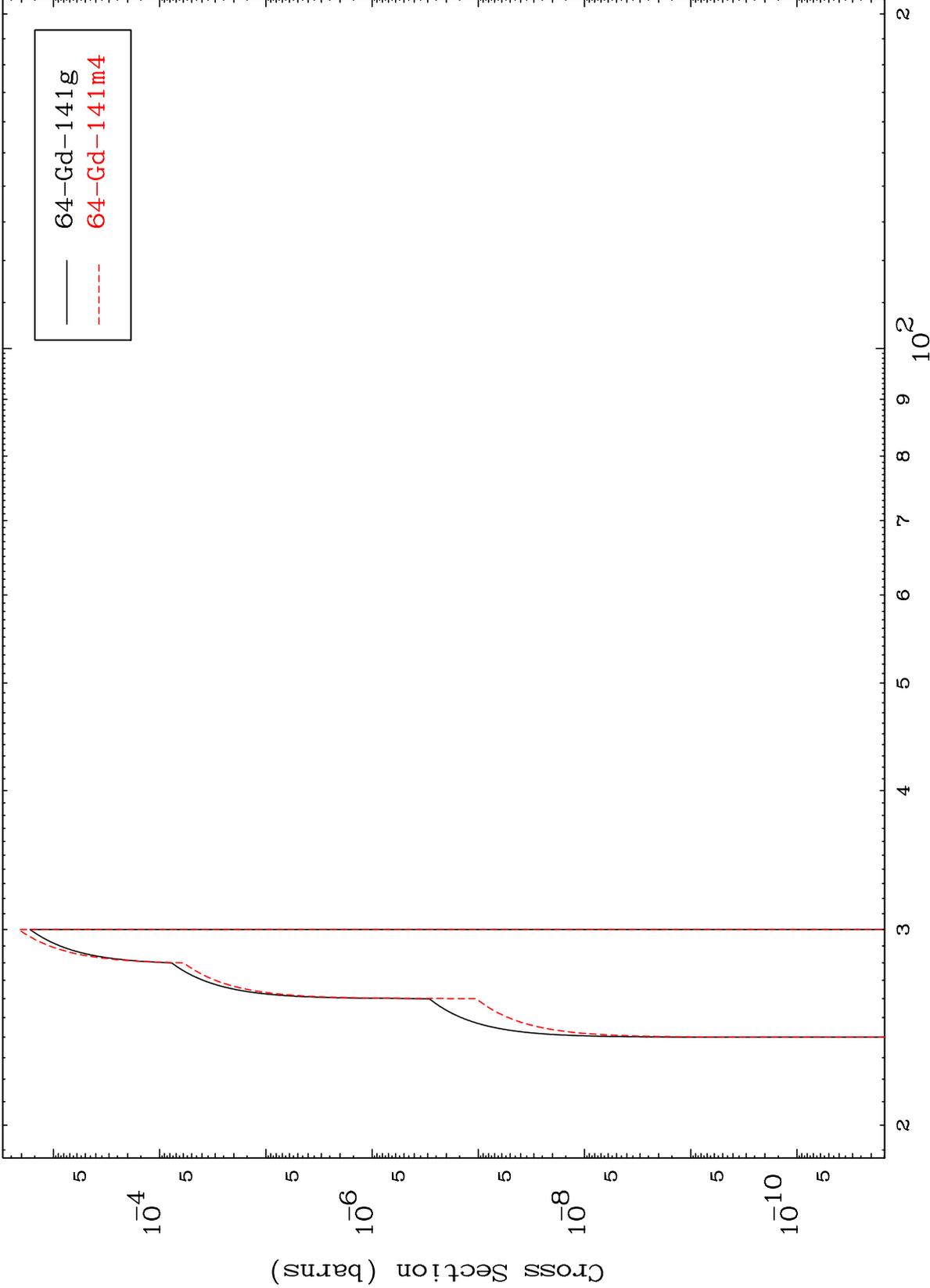
64-Gd-140

MAT 6389

(n,2n) p

64-Gd-140

Radionuclide Production Cross Section



14

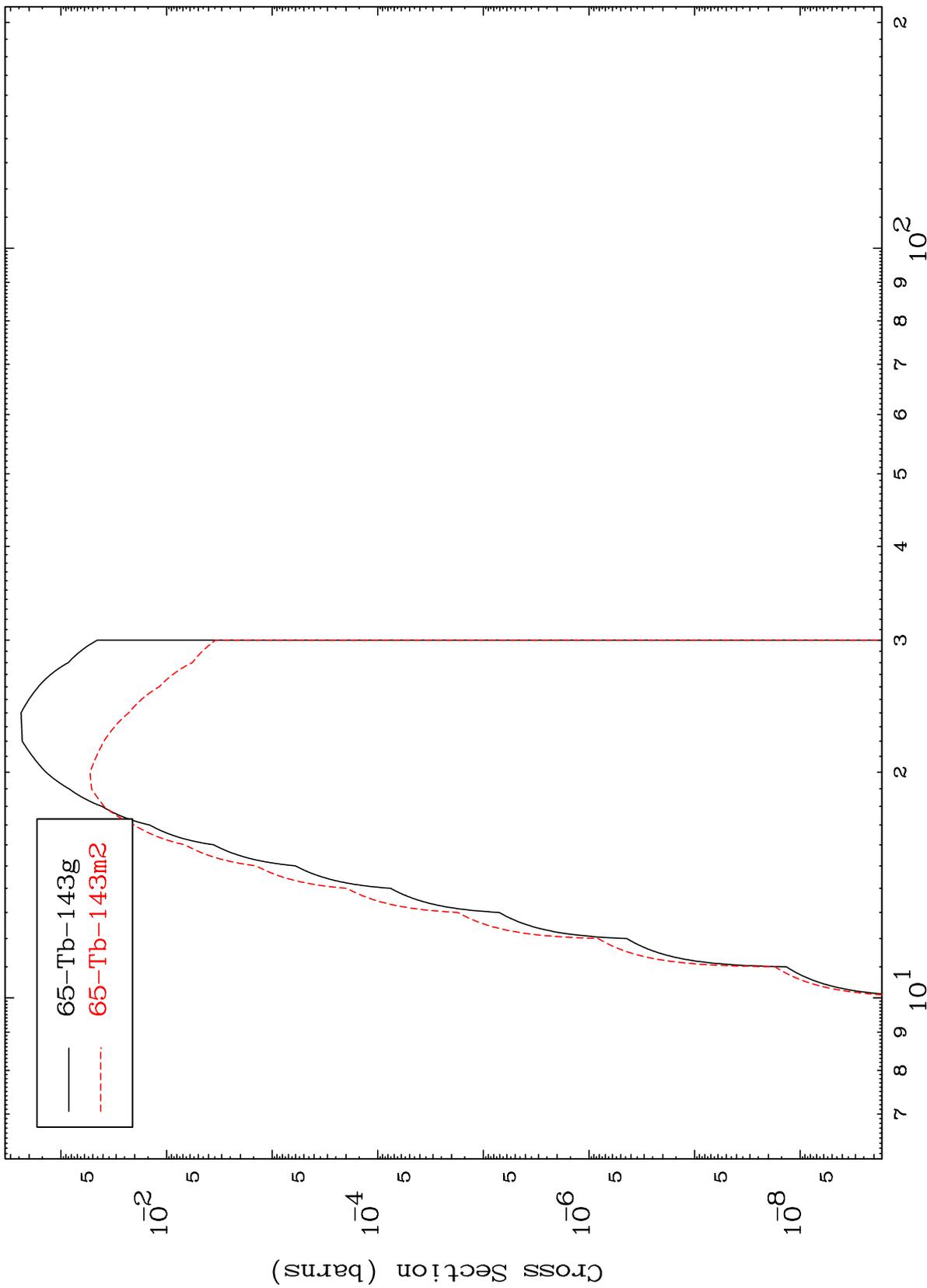
Incident Energy (MeV)

64-Gd-140

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64-Gd-140

(n,p)
Radionuclide Production Cross Section



15

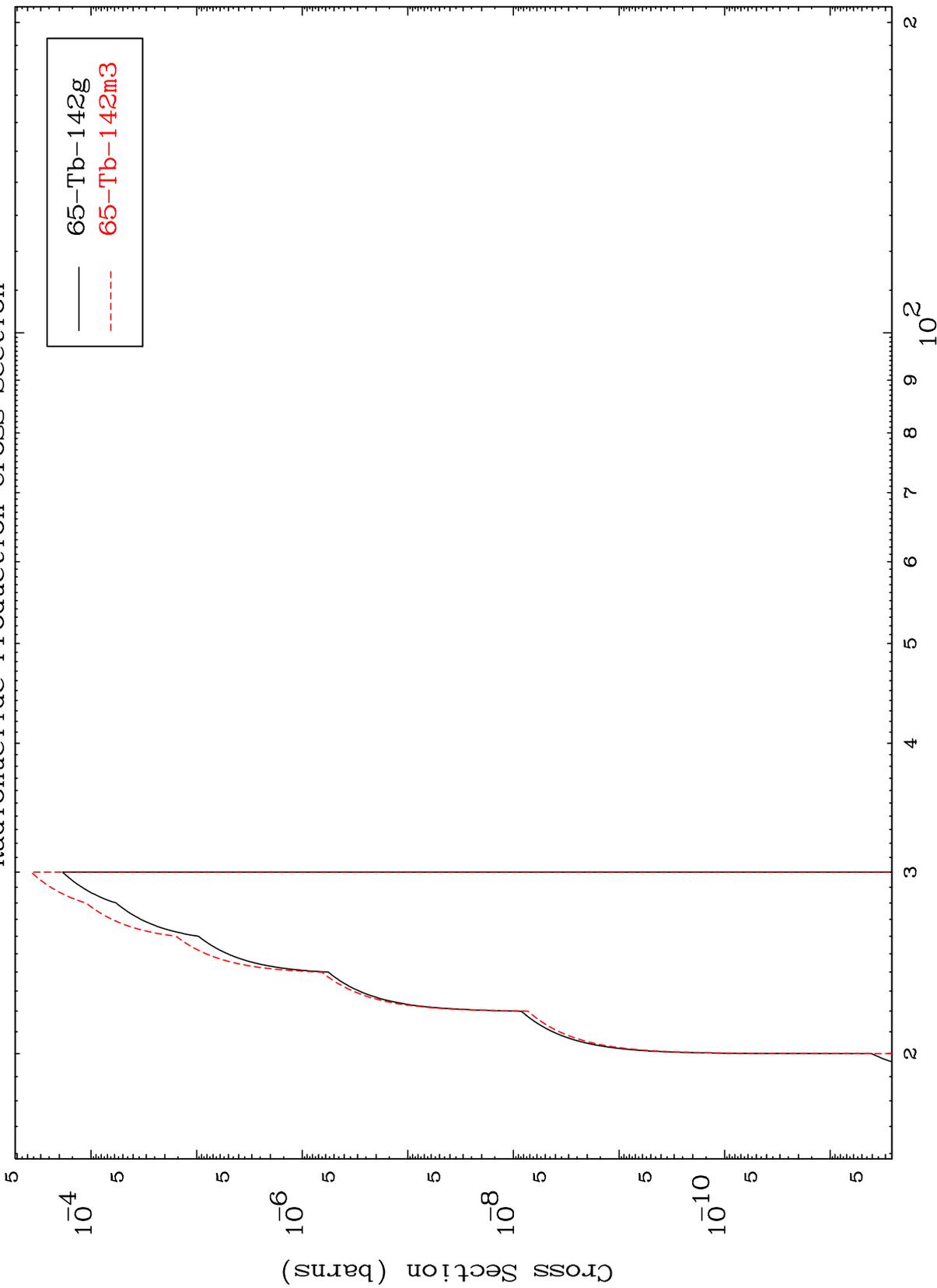
Incident Energy (MeV)

64-Gd-140

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64-Gd-140

(n,d)
Radionuclide Production Cross Section



65-Tb-142g
65-Tb-142m3

64-Gd-140

Incident Energy (MeV)

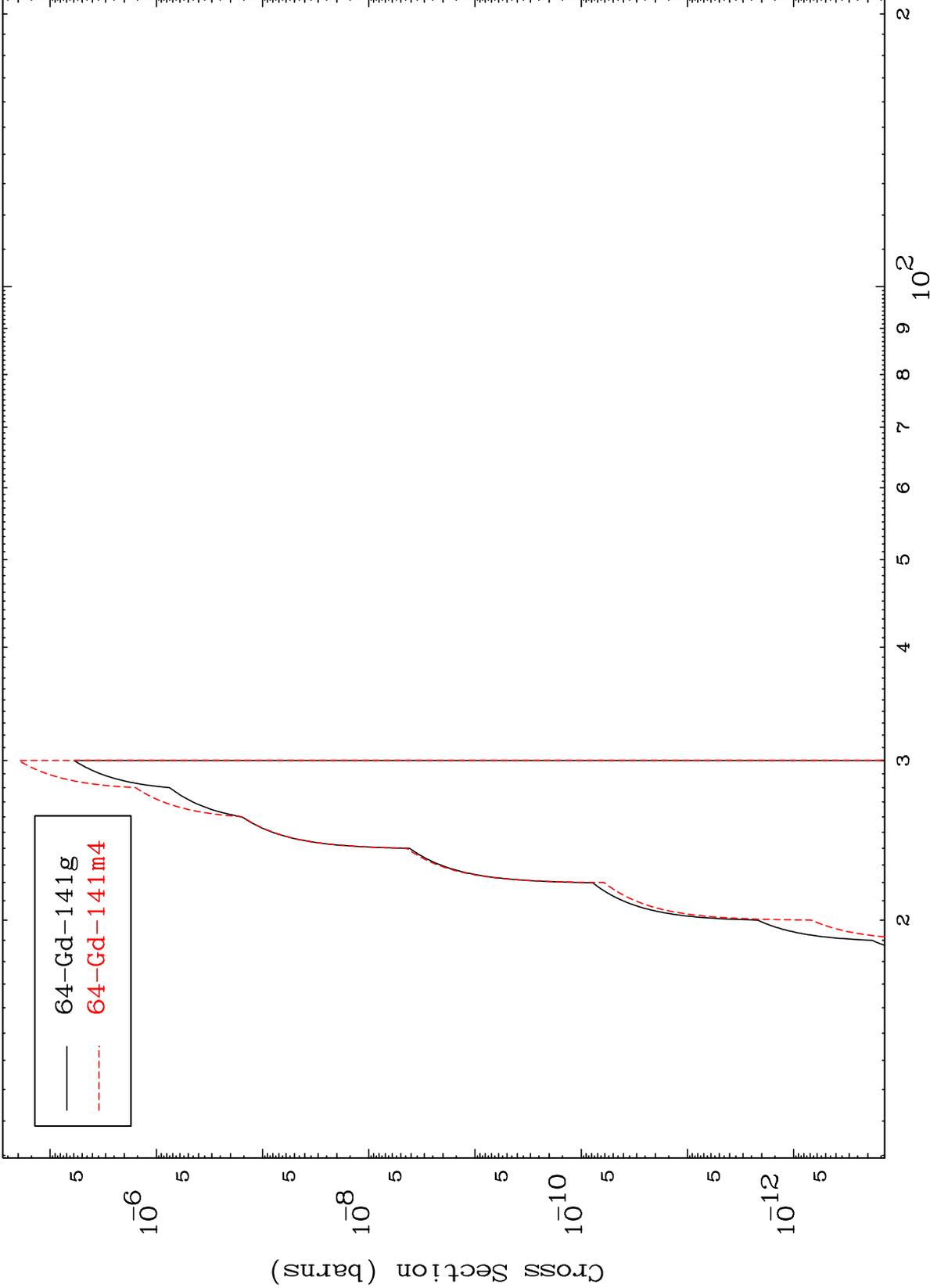
16

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(n,He-3)

64-Gd-140

Radionuclide Production Cross Section



17

Incident Energy (MeV)

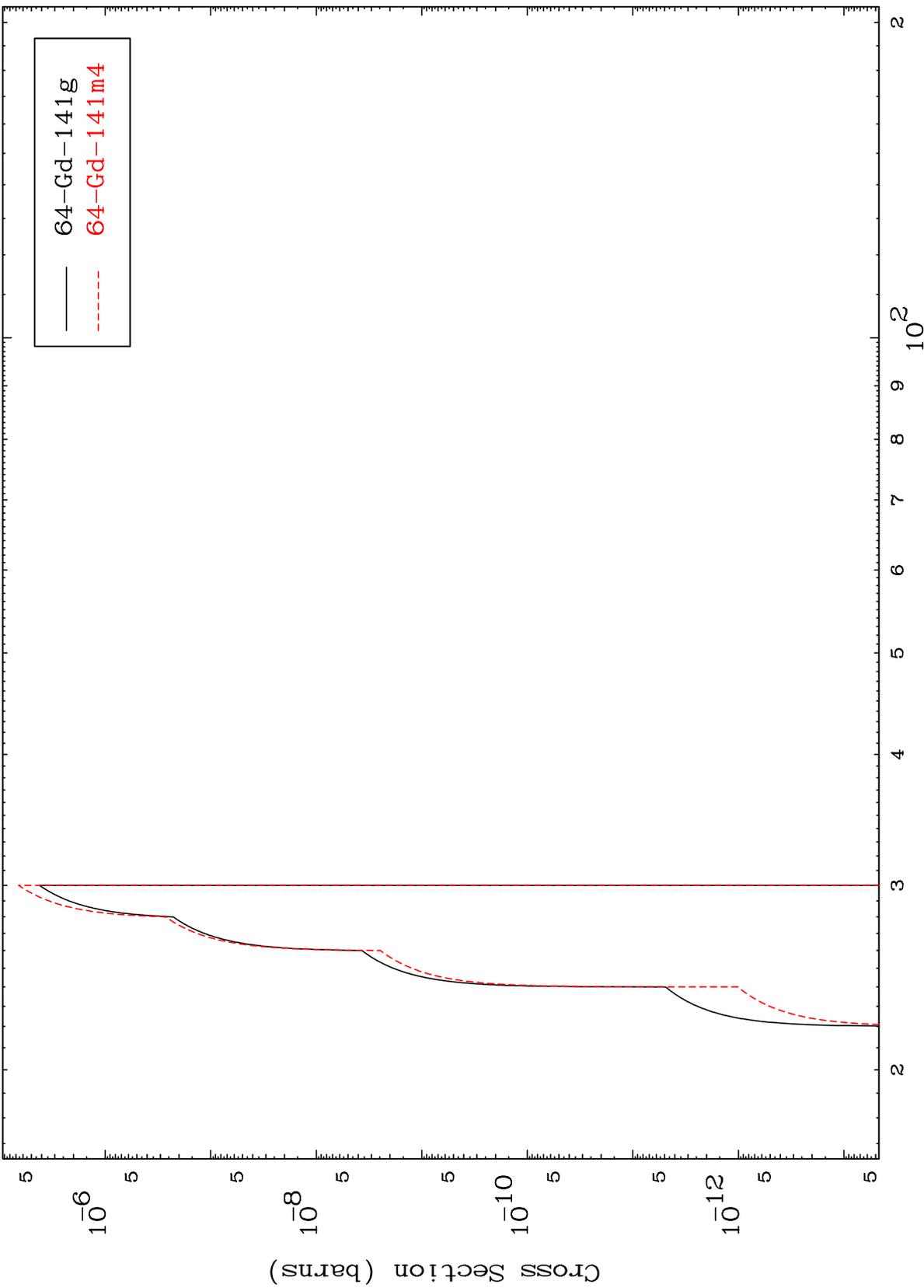
64-Gd-140

MAT 6389

(n,p) d

64-Gd-140

Radionuclide Production Cross Section



18

Incident Energy (MeV)

64-Gd-140