

Program EVALPLOT
(Version 2021-1)

by

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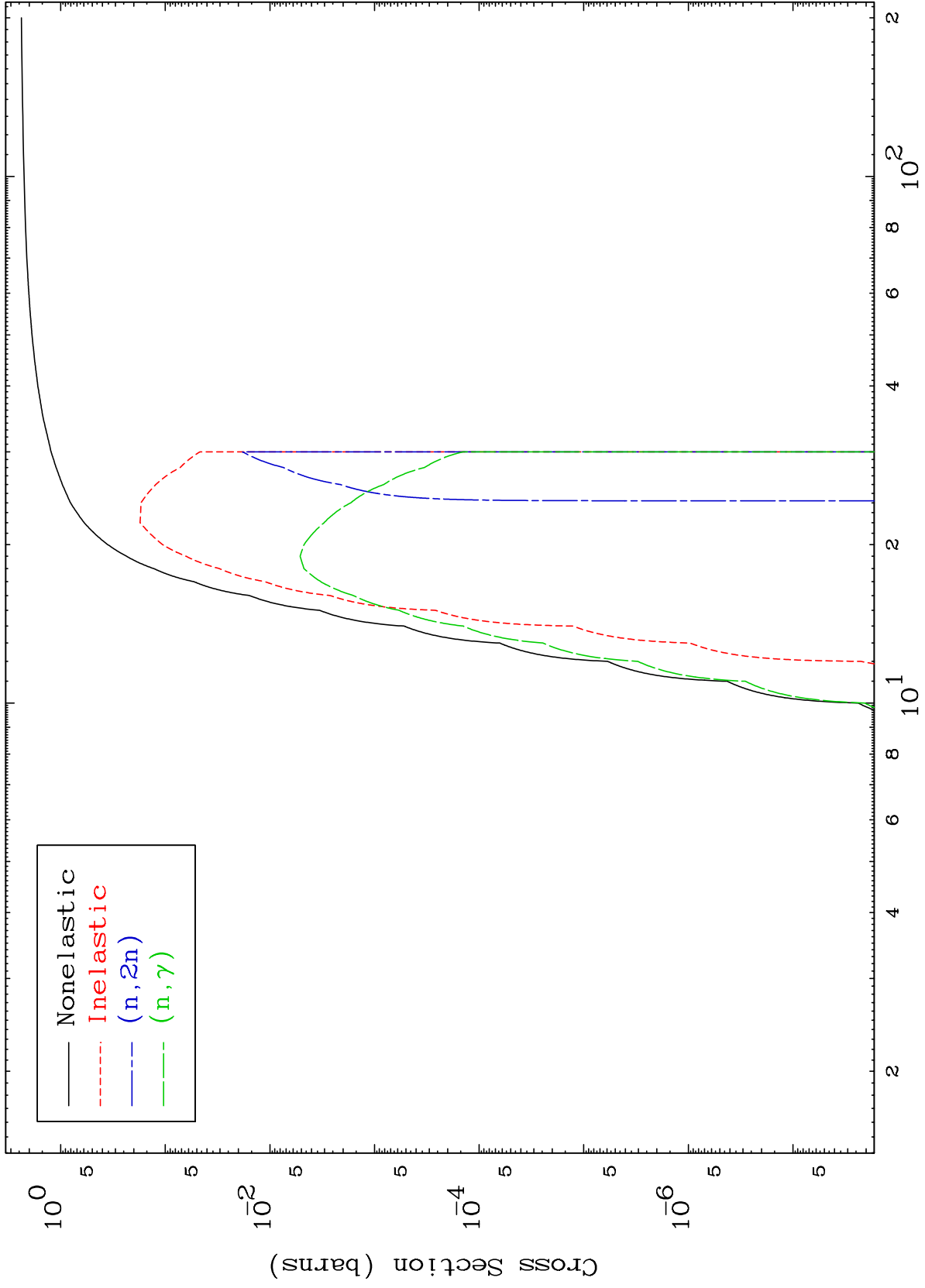
Press Mouse Button to Start

MAT 6399

0 Kelvin Cross Sections

α Major

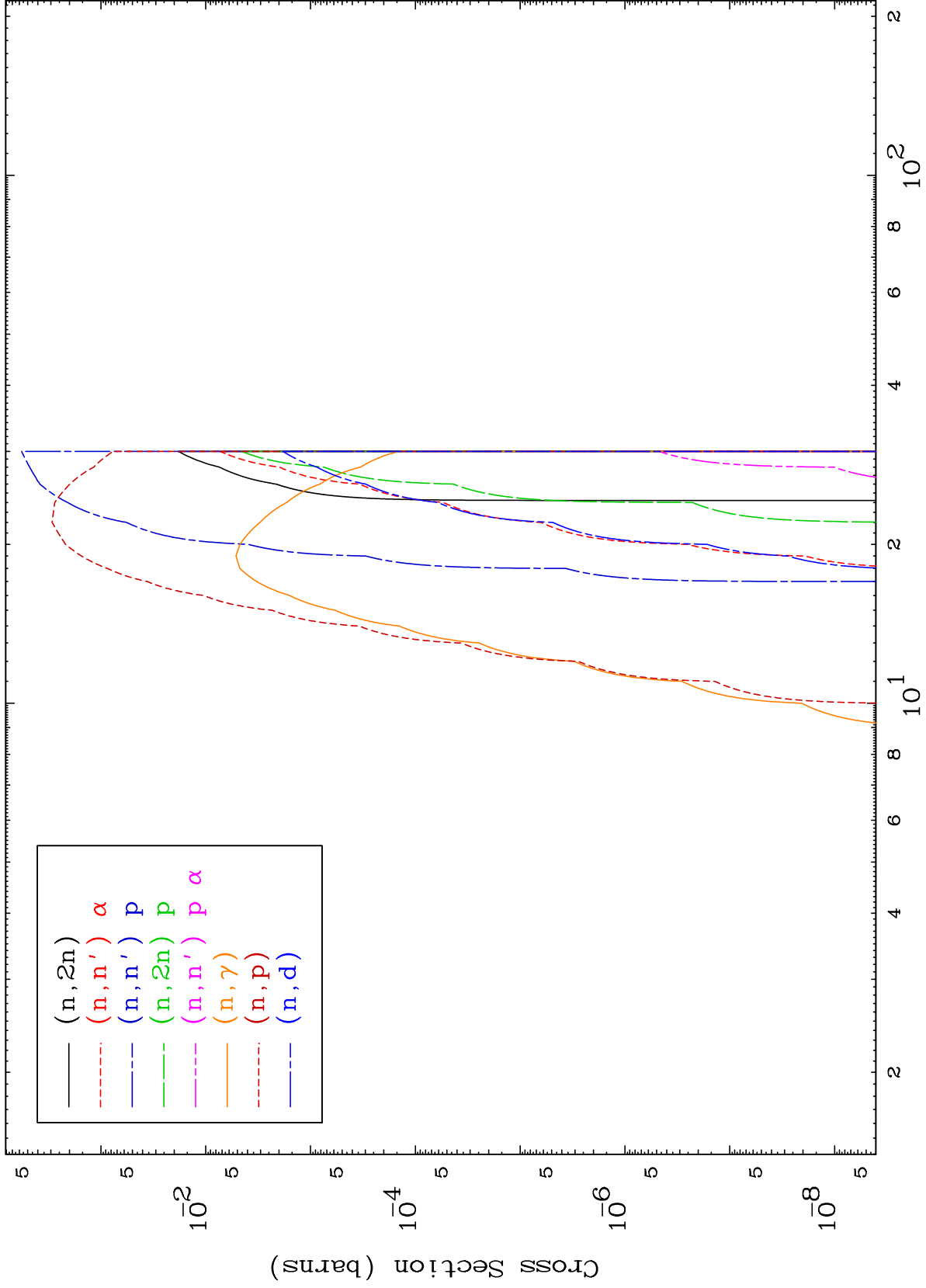
64-Gd-143m



MAT 6399

α Neutron Absorption
0 Kelvin Cross Sections

64-Gd-143m



2

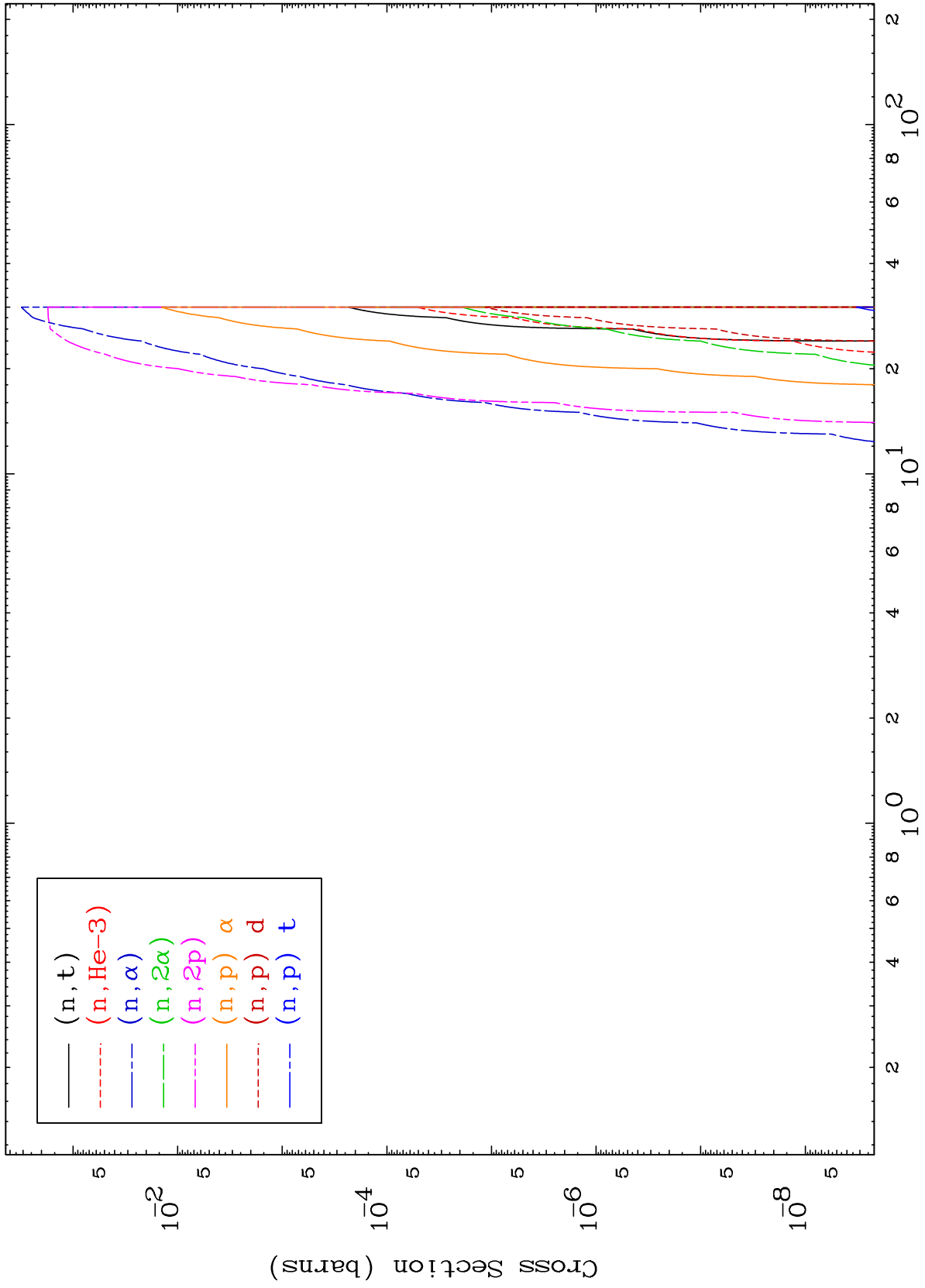
Incident Energy (MeV)

64-Gd-143m

MAT 6399

α Neutron Absorption
0 Kelvin Cross Sections

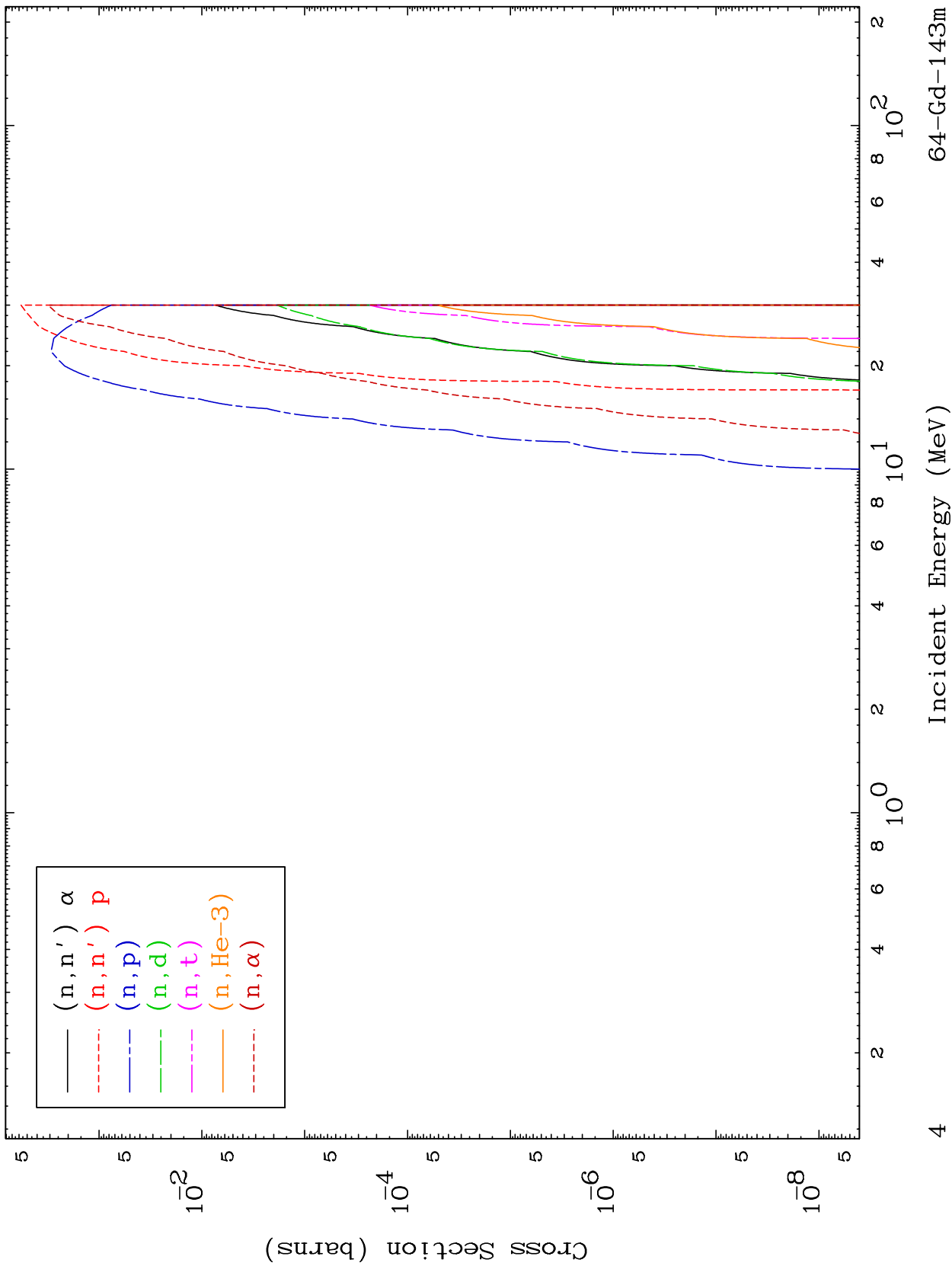
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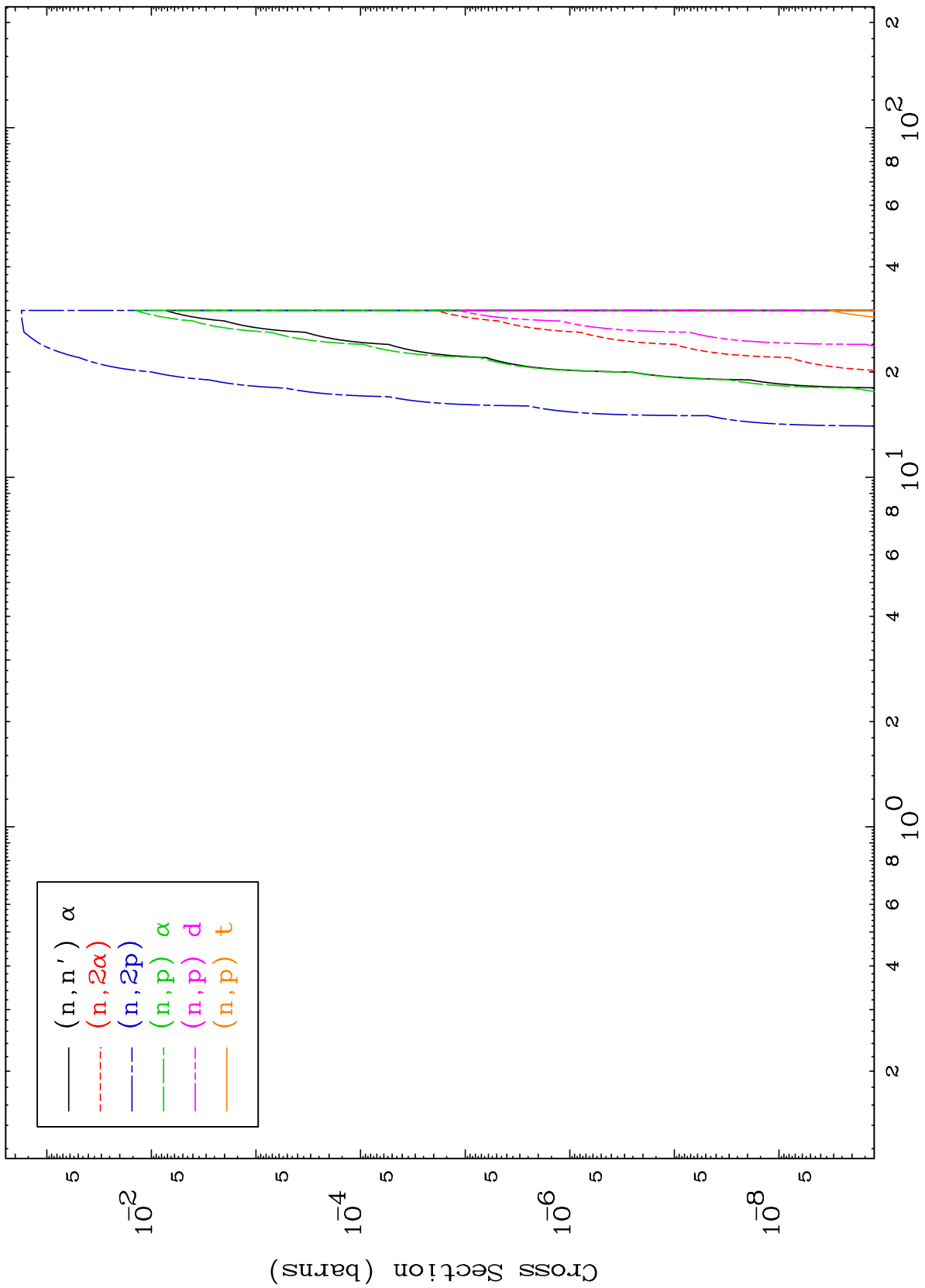


MAT 6399

α Charged Particle
0 Kelvin Cross Sections

64-Gd-143m



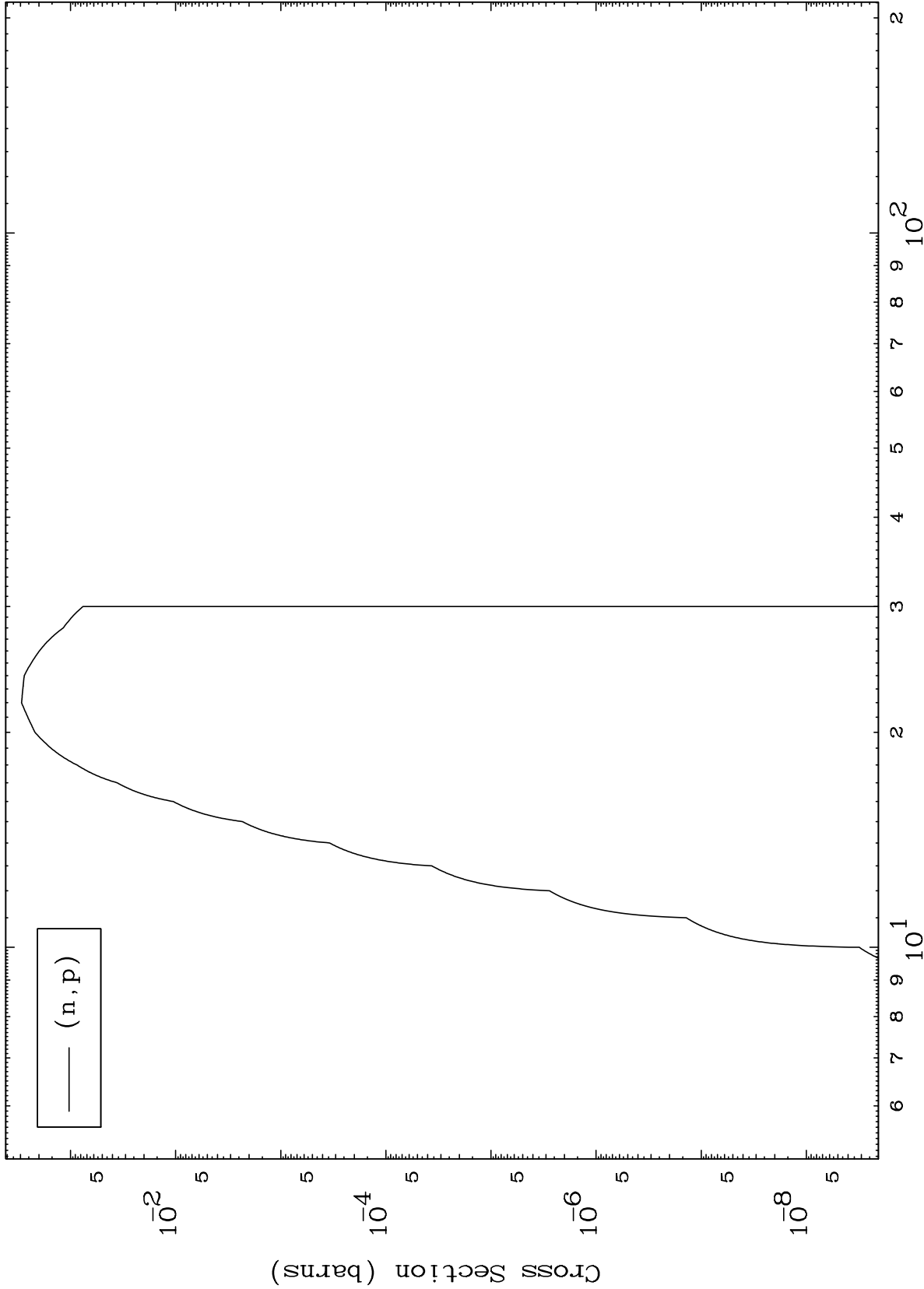


MAT 6399

(α, p) Levels

64-Gd-143m

0 Kelvin Cross Sections



6

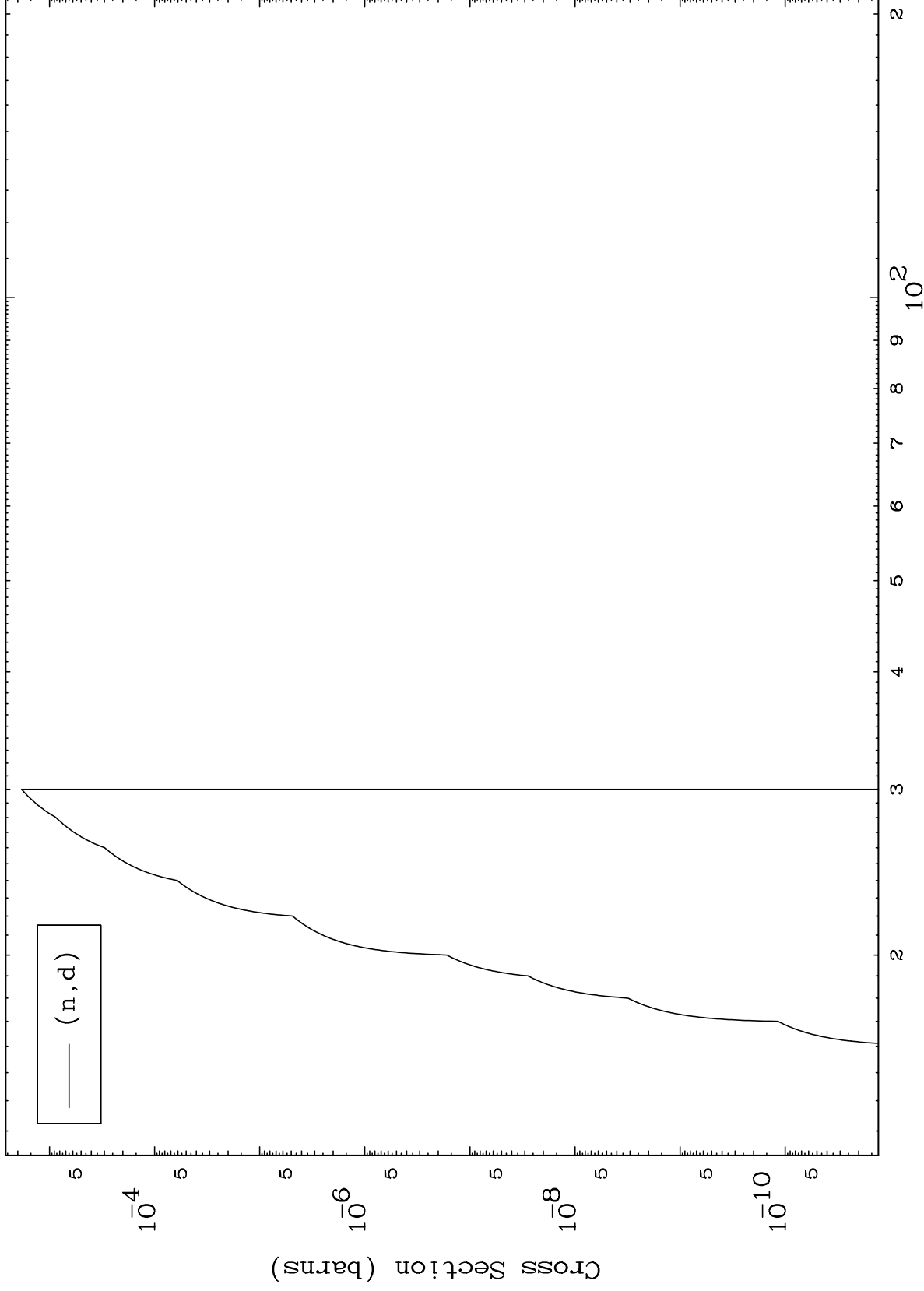
Incident Energy (MeV)

64-Gd-143m

MAT 6399

(α, d) Levels
0 Kelvin Cross Sections

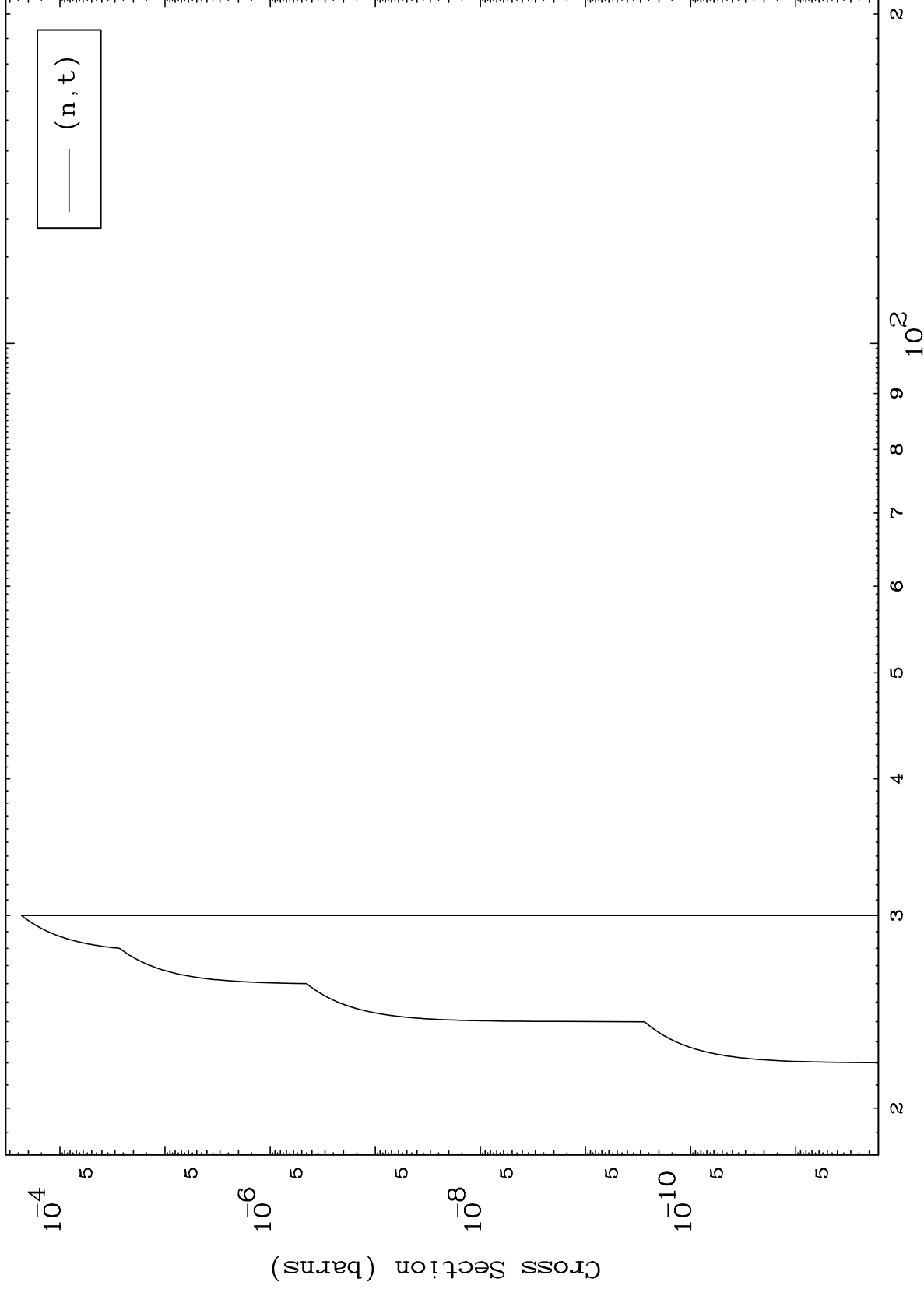
64-Gd-143m



MAT 6399

(α, t) Levels
0 Kelvin Cross Sections

64-Gd-143m



8

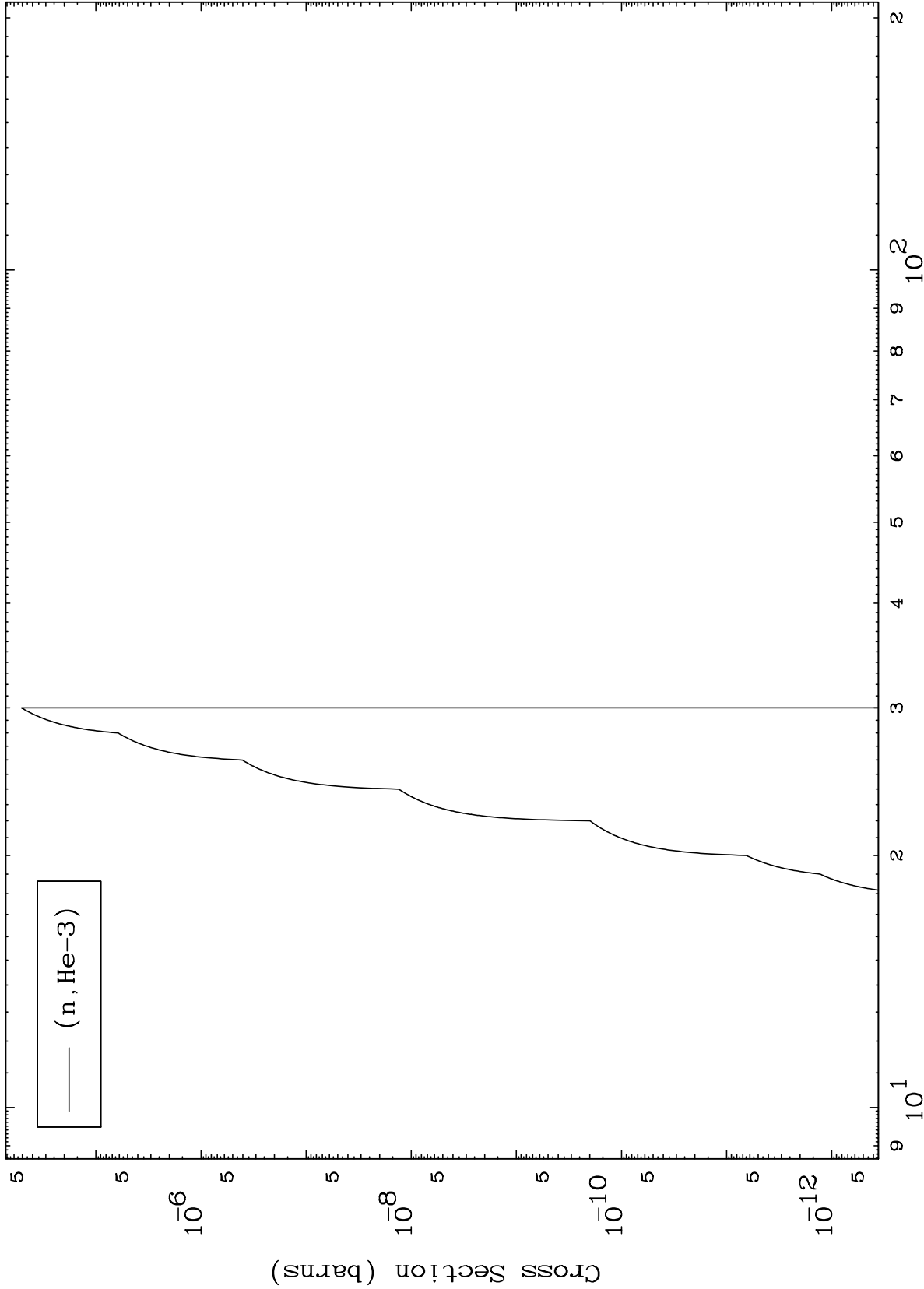
Incident Energy (MeV)

64-Gd-143m

MAT 6399

(α , He3) Levels
0 Kelvin Cross Sections

64-Gd-143m



9

Incident Energy (MeV)

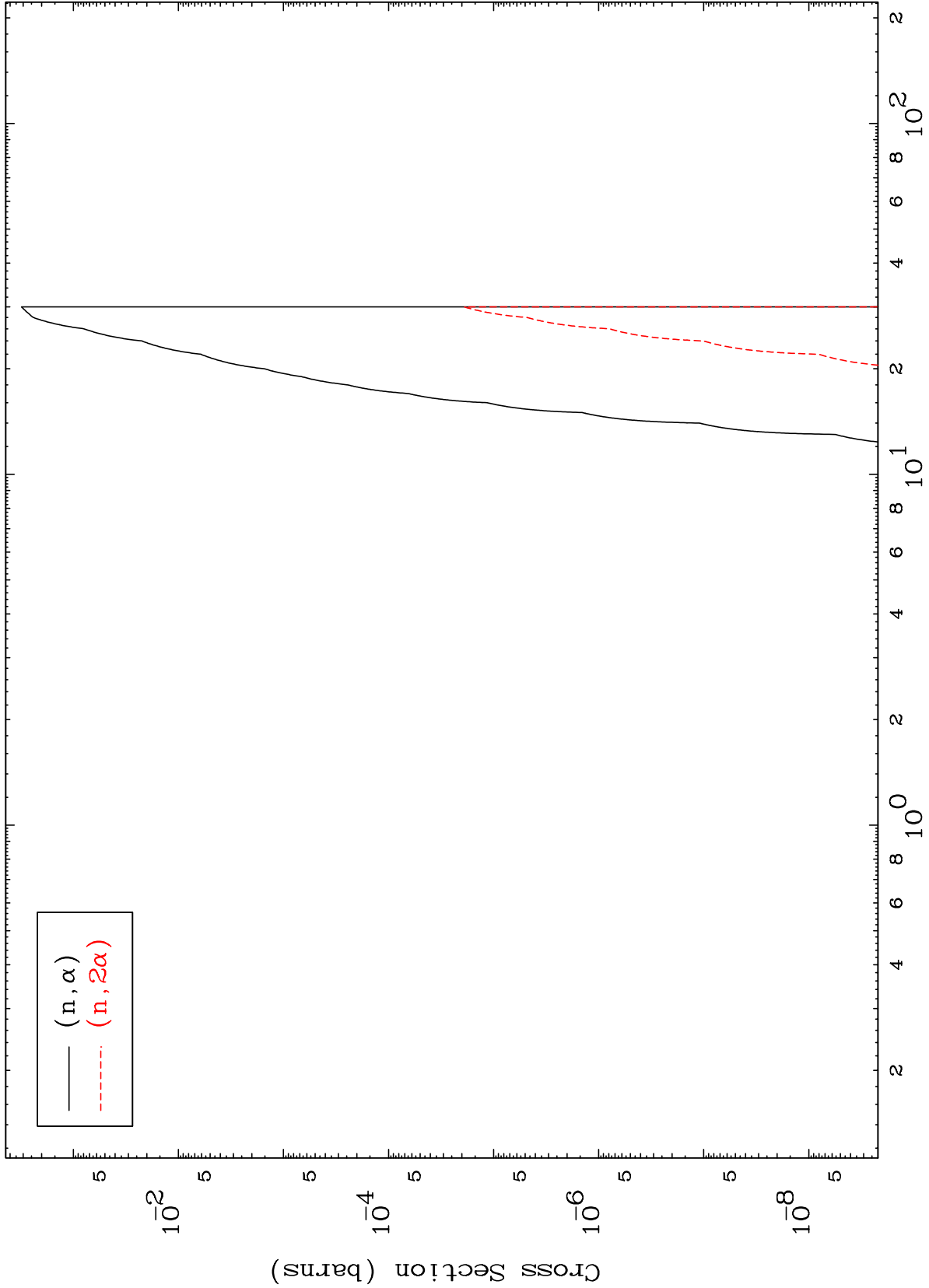
64-Gd-143m

MAT 6399

(α, α) Levels

64-Gd-143m

0 Kelvin Cross Sections



— (n, α)
- - - ($n, 2\alpha$)

10

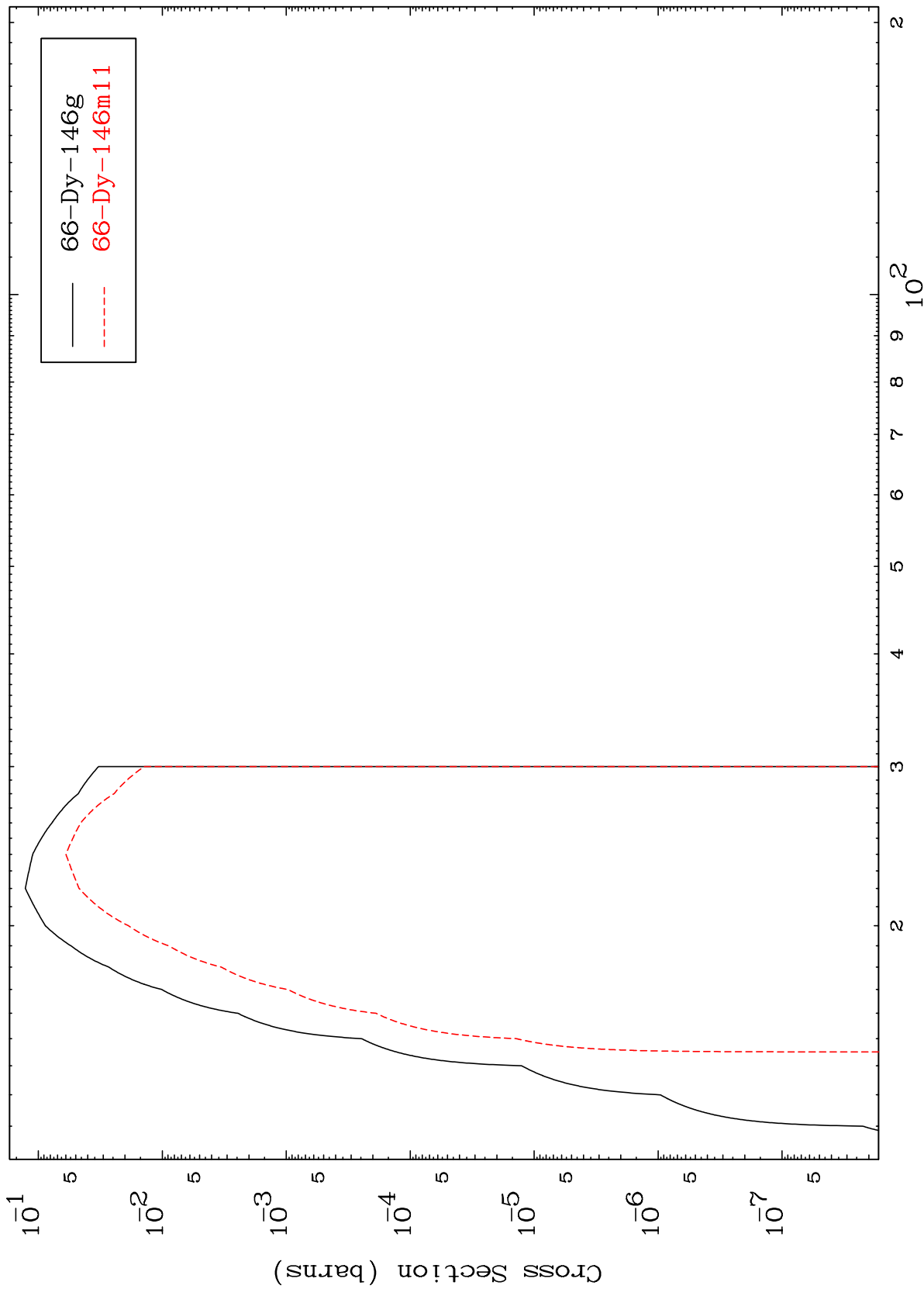
Incident Energy (MeV)

64-Gd-143m

MAT 6399

64-Gd-143m

Inelastic
Radionuclide Production Cross Section



11

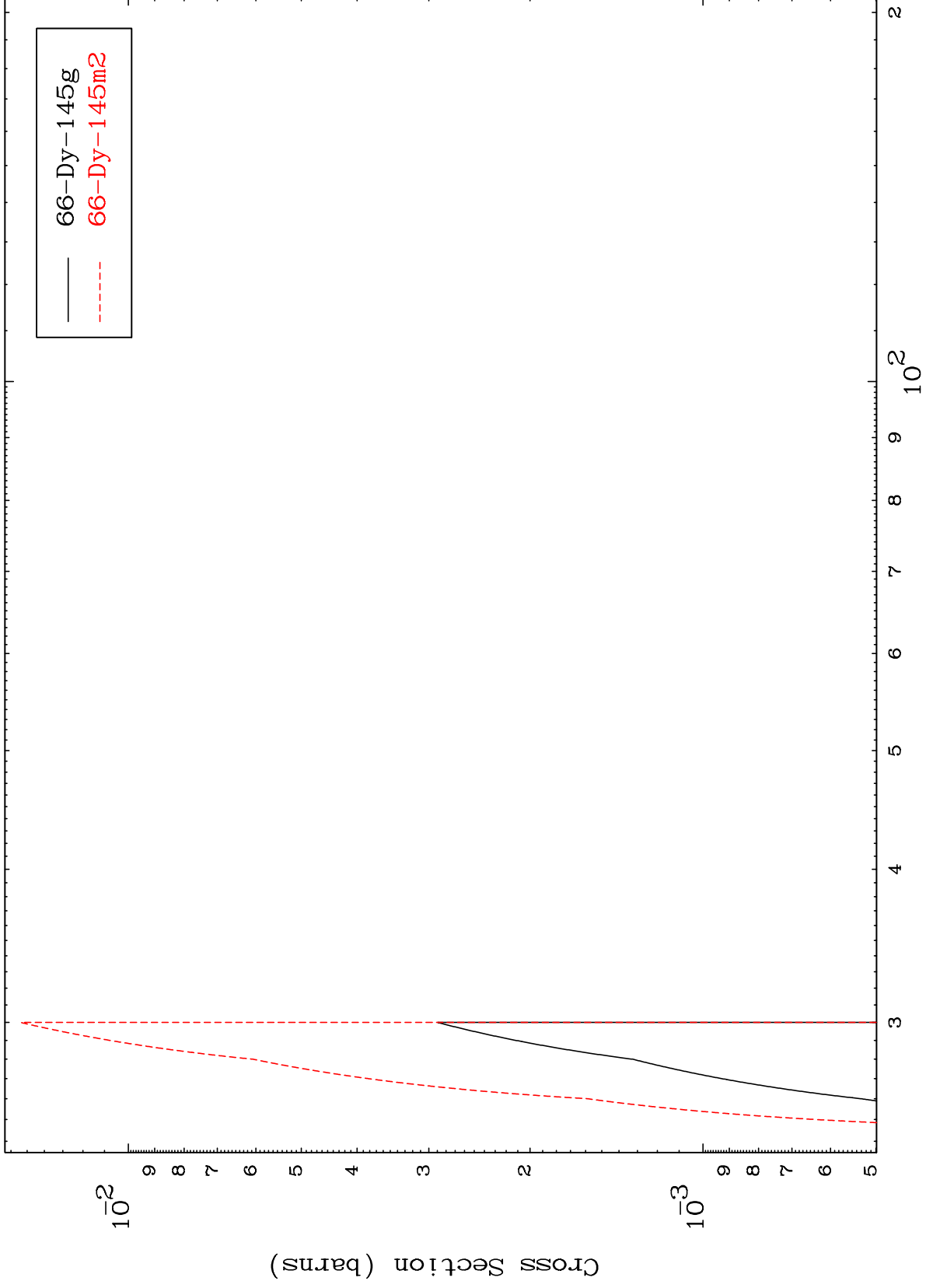
Incident Energy (MeV)

64-Gd-143m

MAT 6399

64-Gd-143m

(n,2n)
Radionuclide Production Cross Section



12

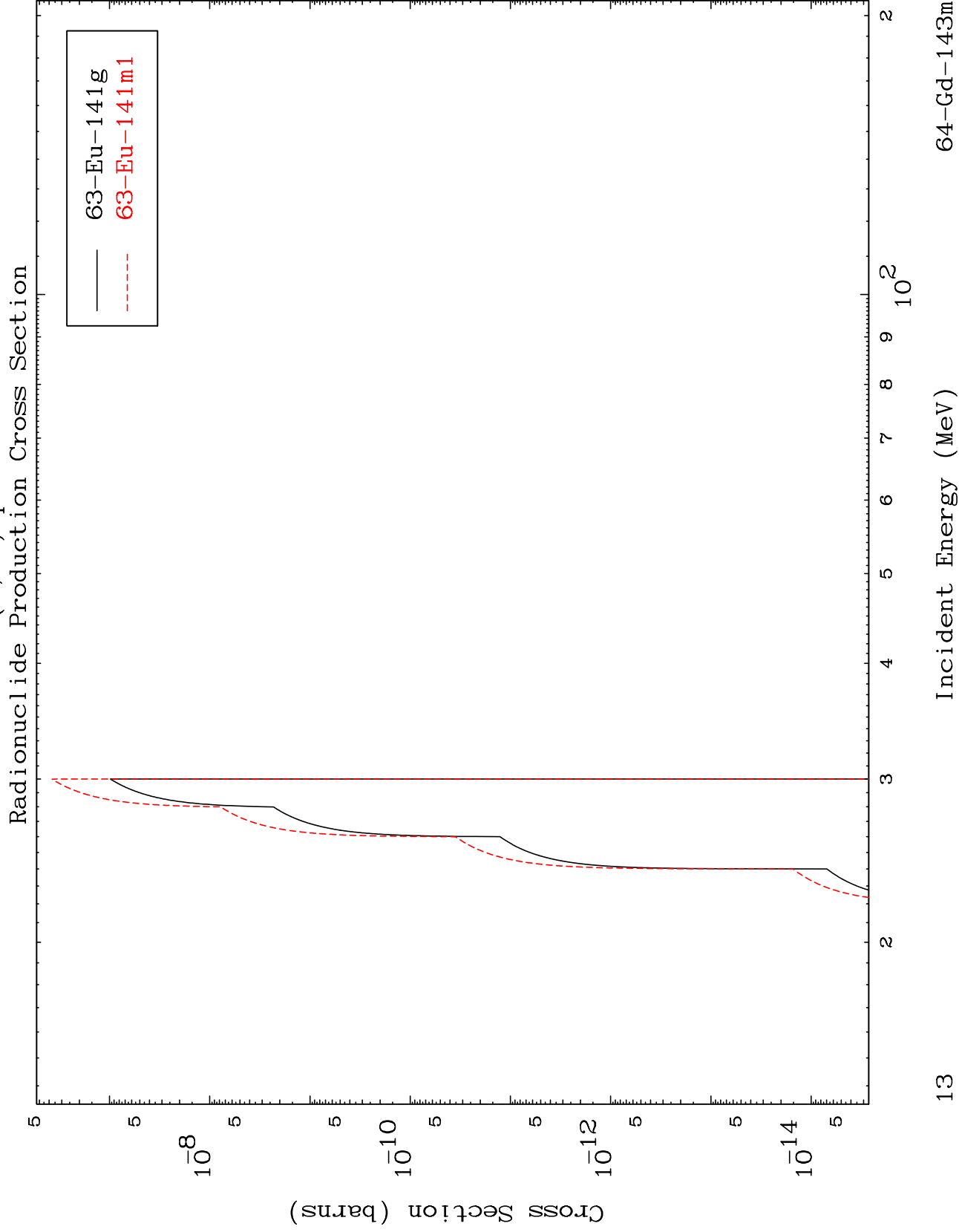
Incident Energy (MeV)

64-Gd-143m

MAT 6399

(n,n') p α

64-Gd-143m



13

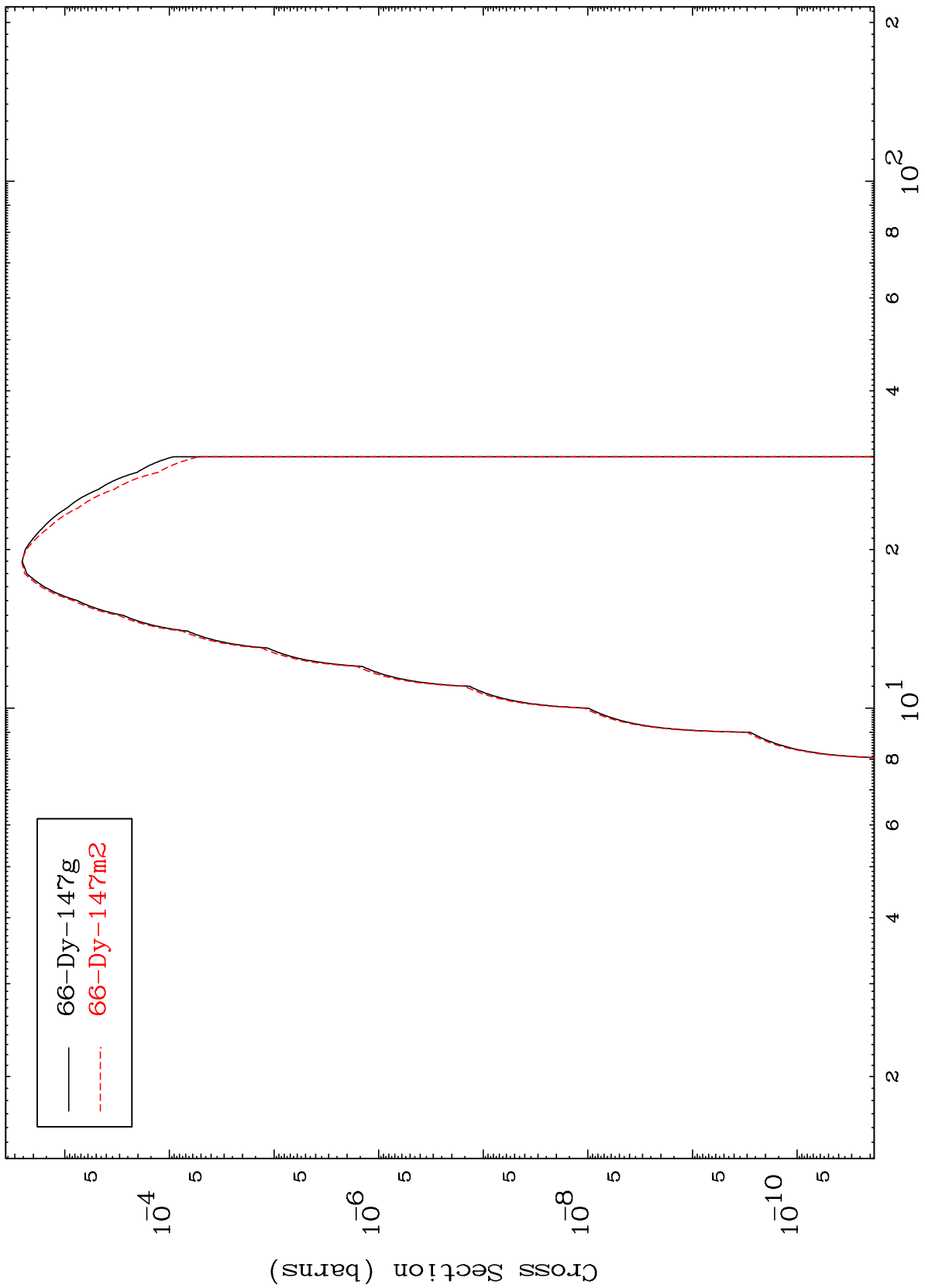
Incident Energy (MeV)

64-Gd-143m

MAT 6399

64-Gd-143m

(n, γ)
Radionuclide Production Cross Section



— 66-Dy-147g
- - - 66-Dy-147m2

14

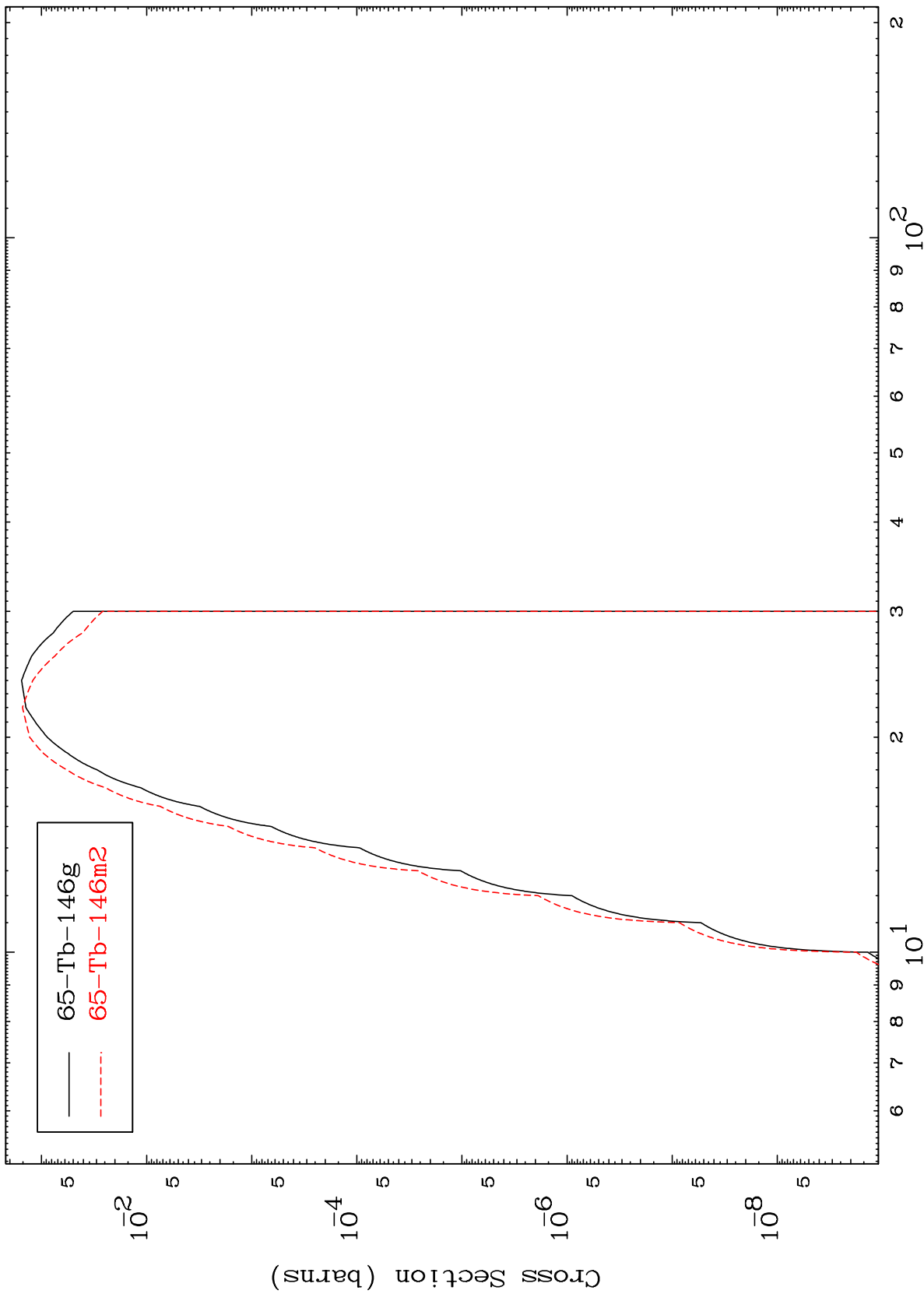
Incident Energy (MeV)

64-Gd-143m

MAT 6399

64-Gd-143m

(n,p)
Radionuclide Production Cross Section



15

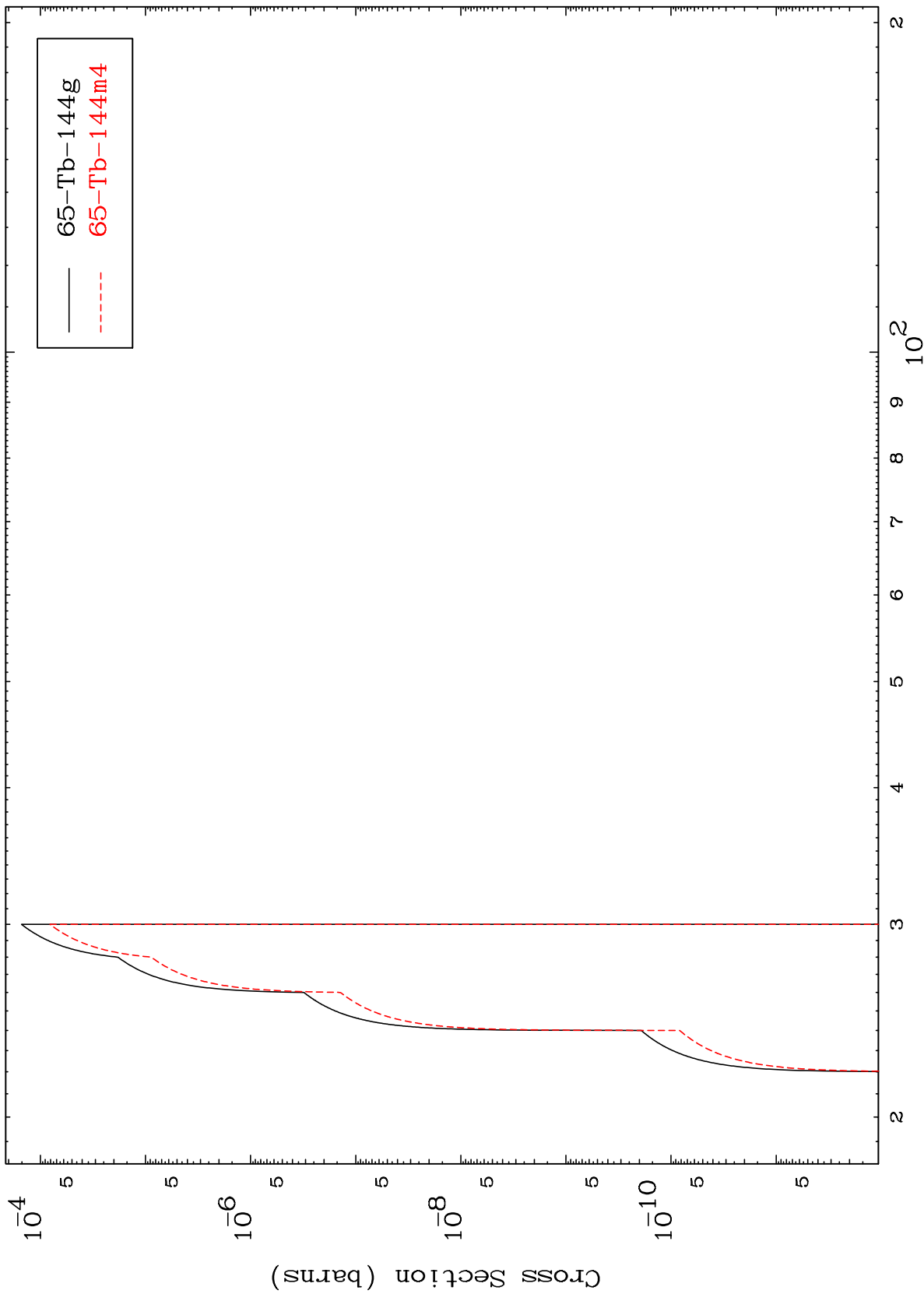
Incident Energy (MeV)

64-Gd-143m

MAT 6399

64-Gd-143m

(n, t)
Radionuclide Production Cross Section



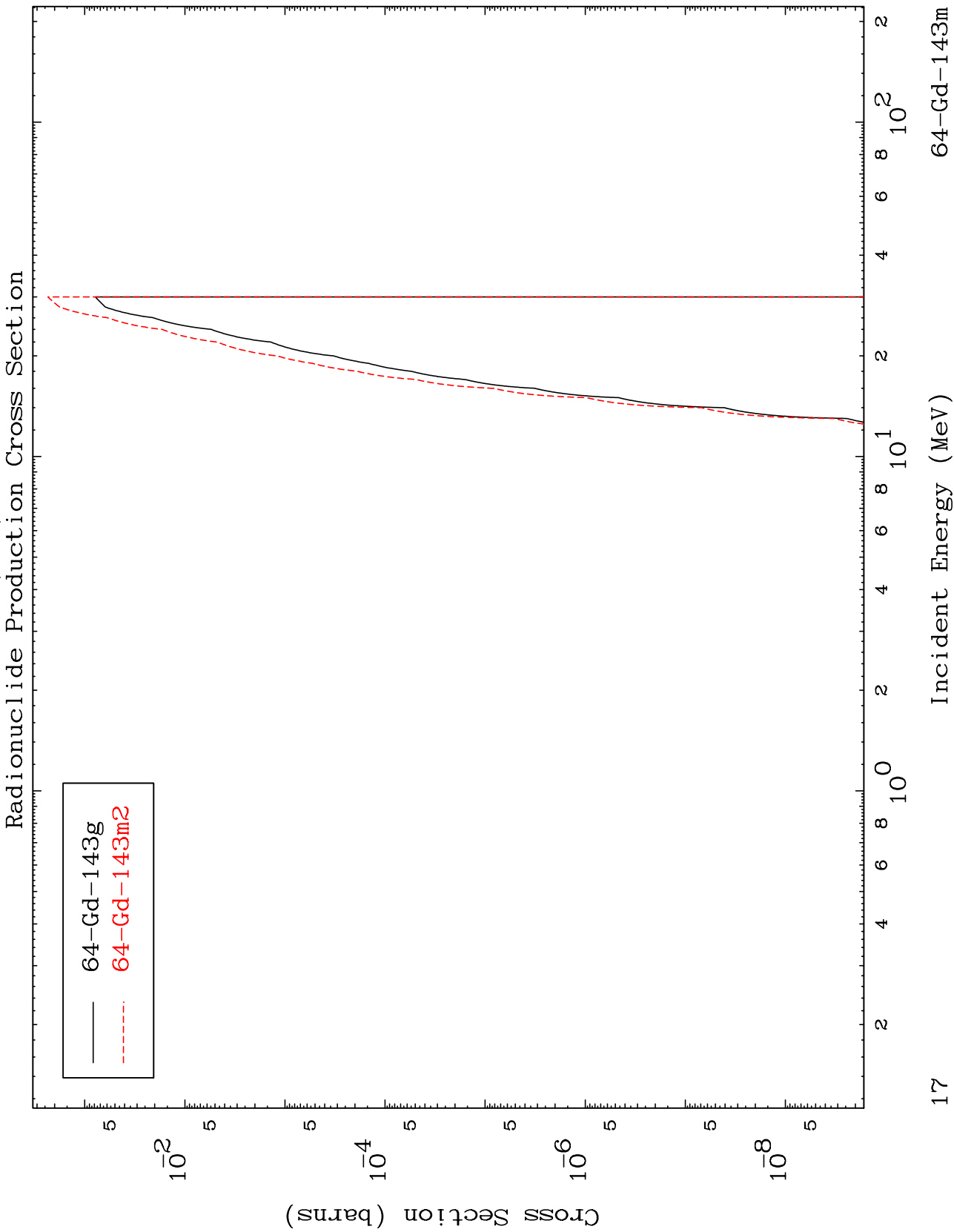
16

Incident Energy (MeV)

64-Gd-143m

MAT 6399

64-Gd-143m

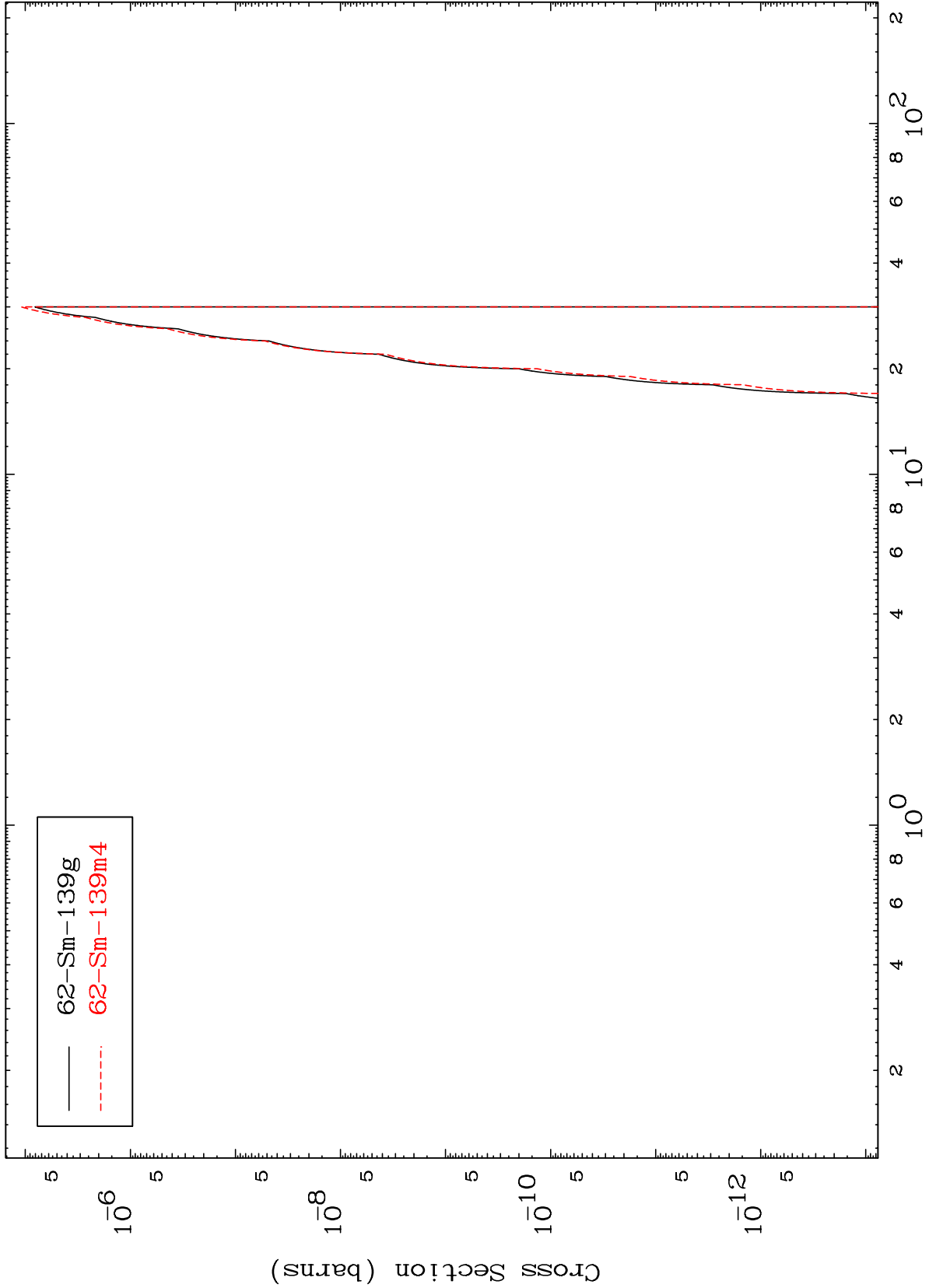


MAT 6399

(n,2α)

64-Gd-143m

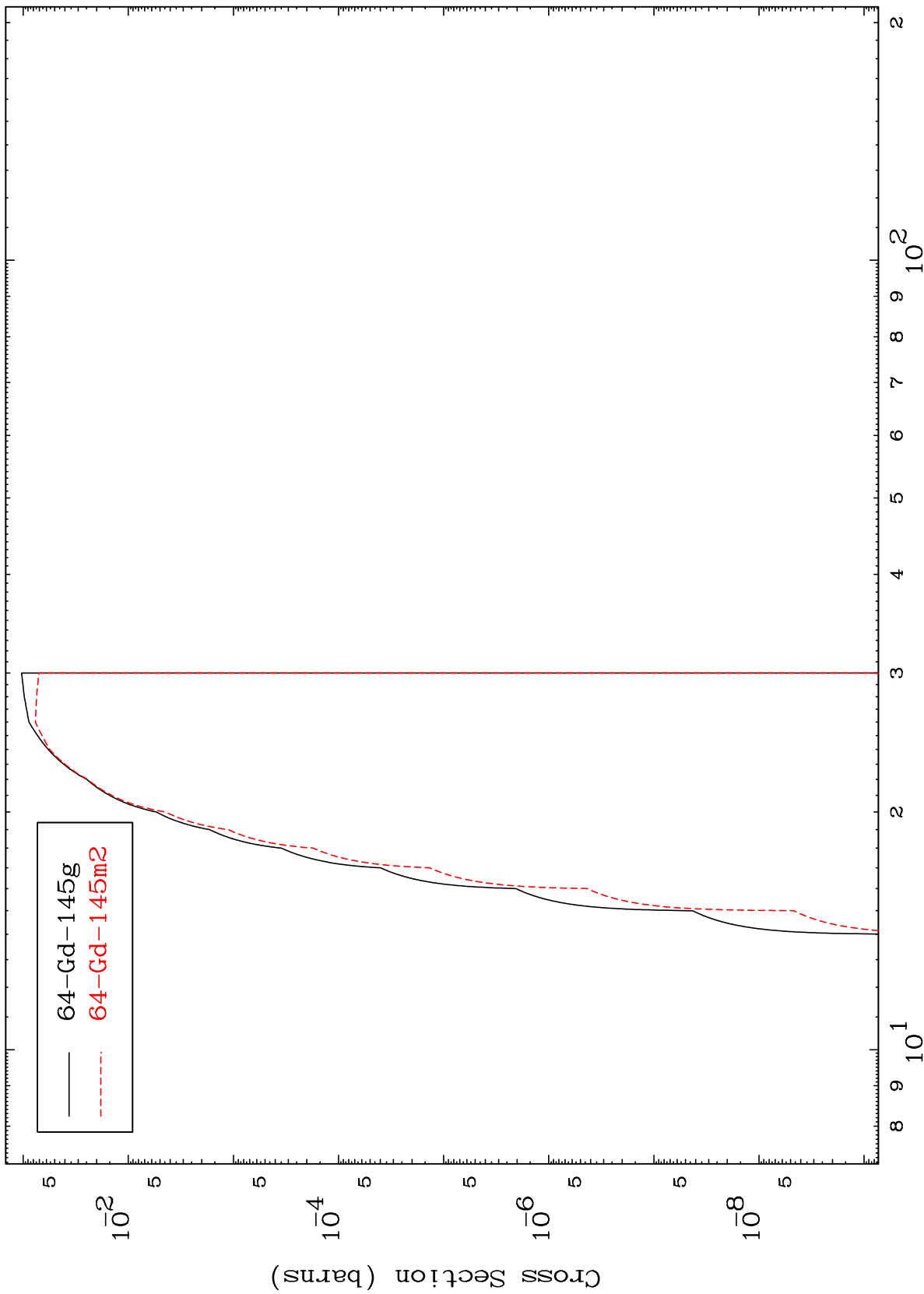
Radionuclide Production Cross Section



MAT 6399

64-Gd-143m

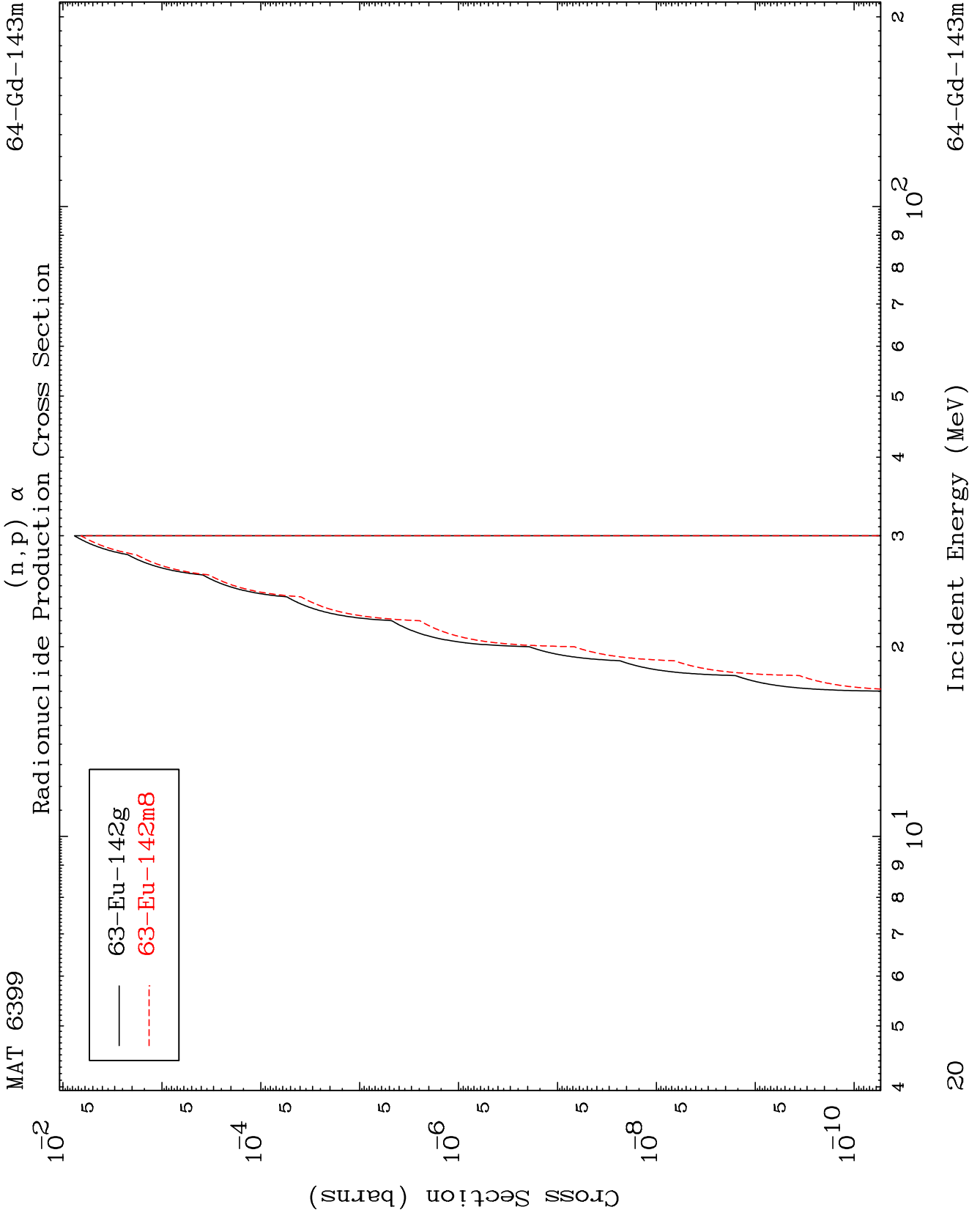
(n,2p)
Radionuclide Production Cross Section



19

Incident Energy (MeV)

64-Gd-143m

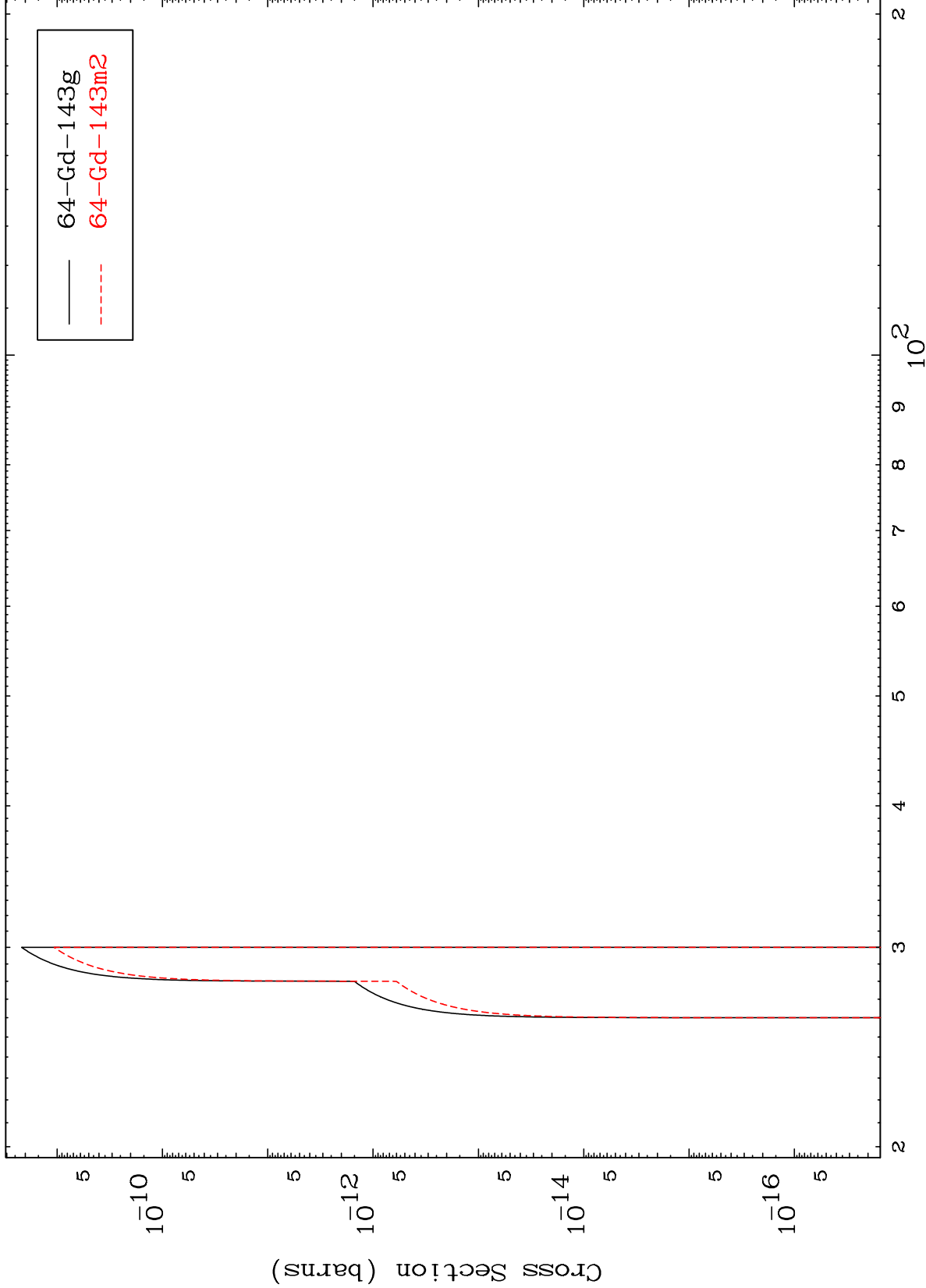


MAT 6399

(n,p) t

64-Gd-143m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

64-Gd-143m