

Program EVALPLOT
(Version 2021-1)

by

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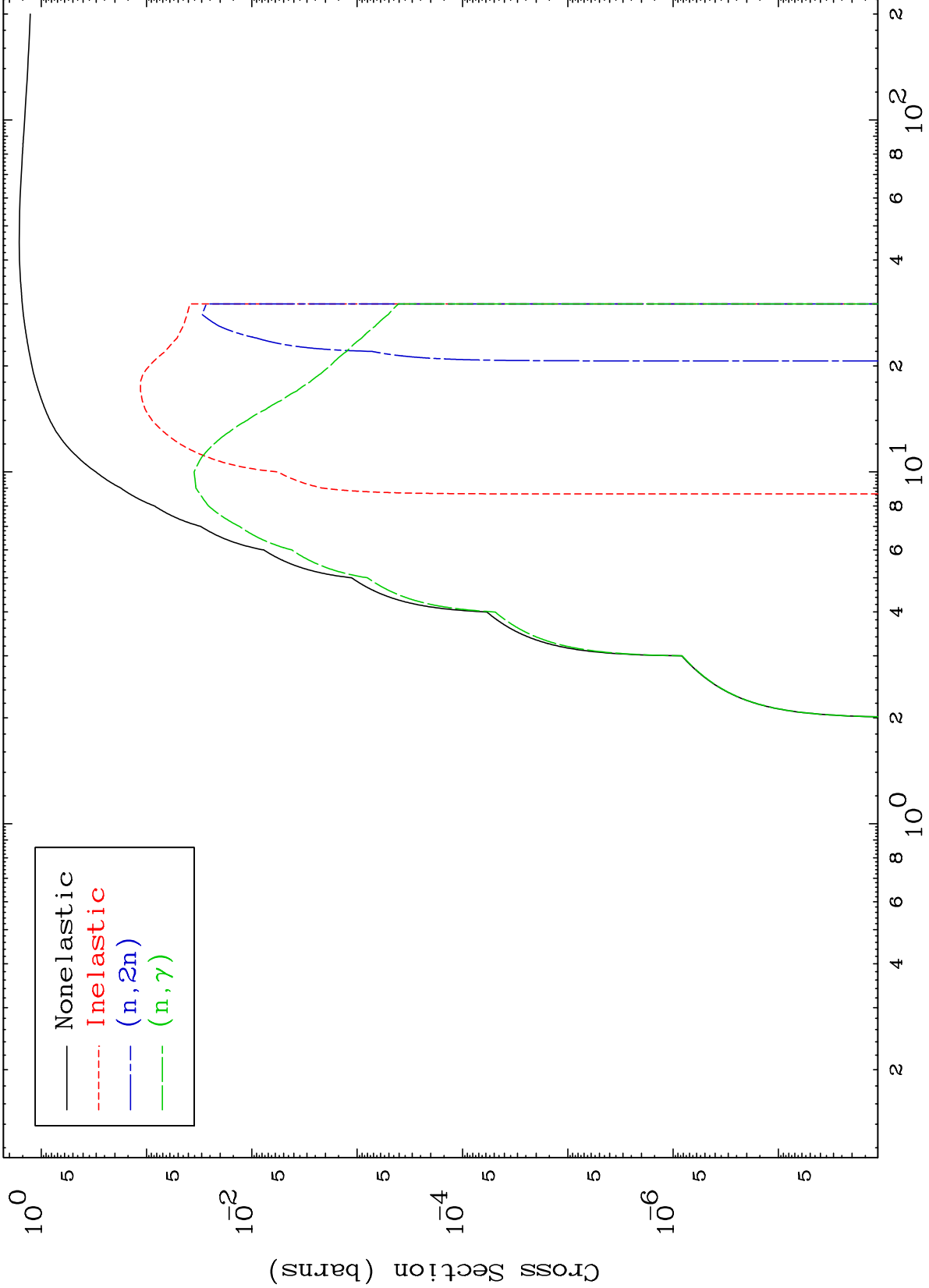
Press Mouse Button to Start

MAT 6398

Proton Major

64-Gd-143

0 Kelvin Cross Sections

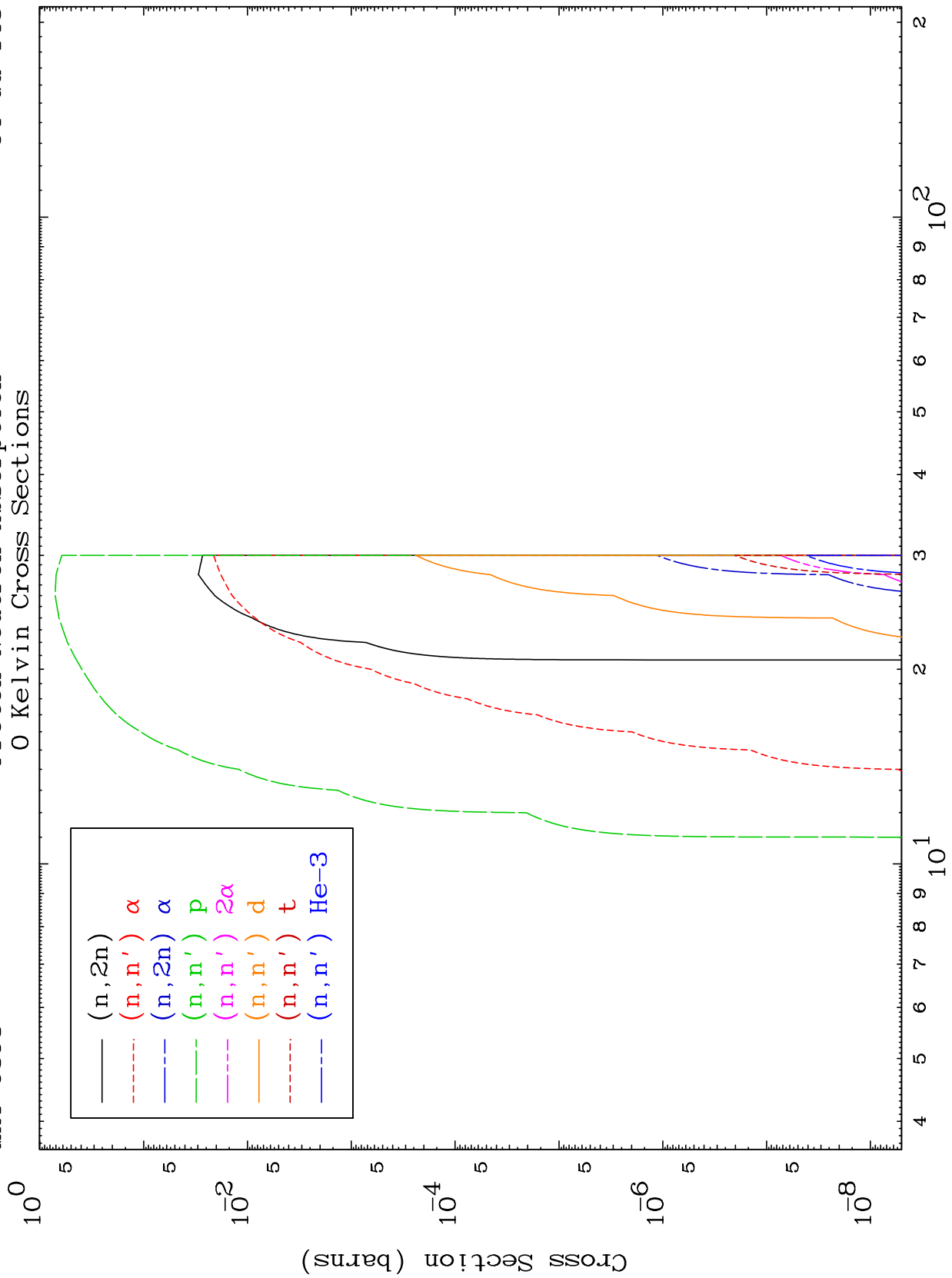


Legend:
— Nonelastic
- - - Inelastic
- - - (n, 2n)
- - - (n, γ)

MAT 6398

Proton Neutron Absorption
0 Kelvin Cross Sections

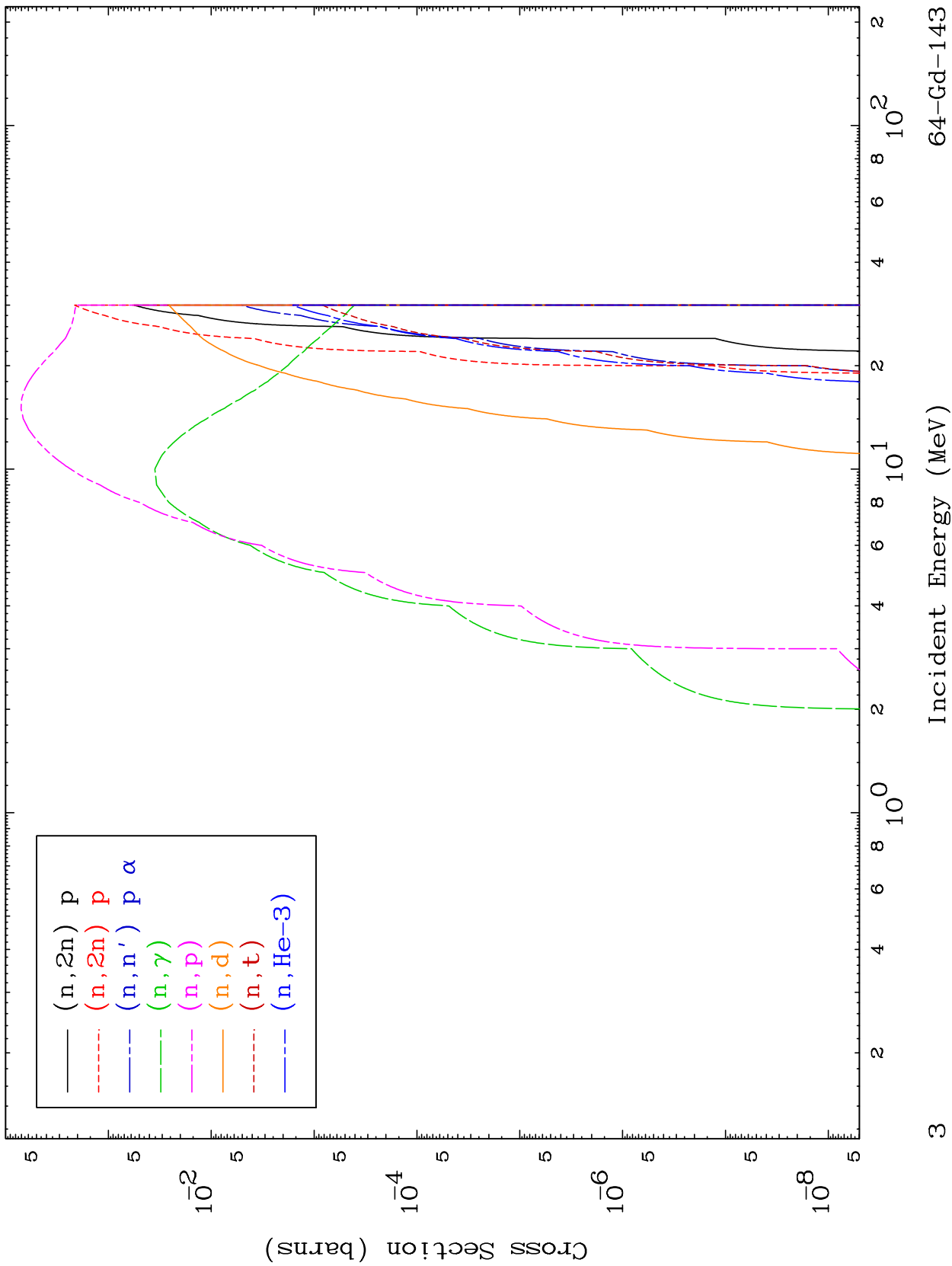
64-Gd-143

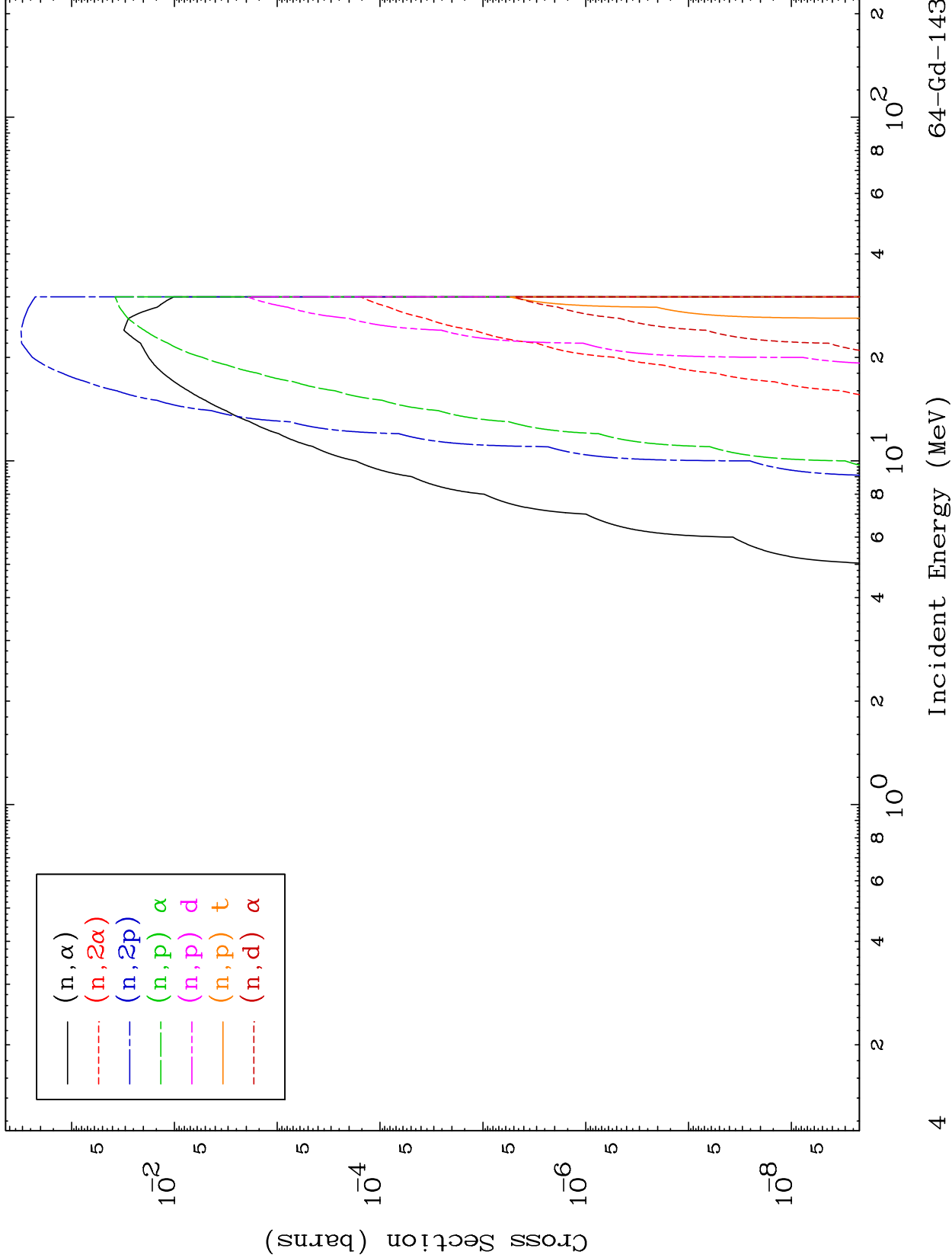


64-Gd-143

Incident Energy (MeV)

2

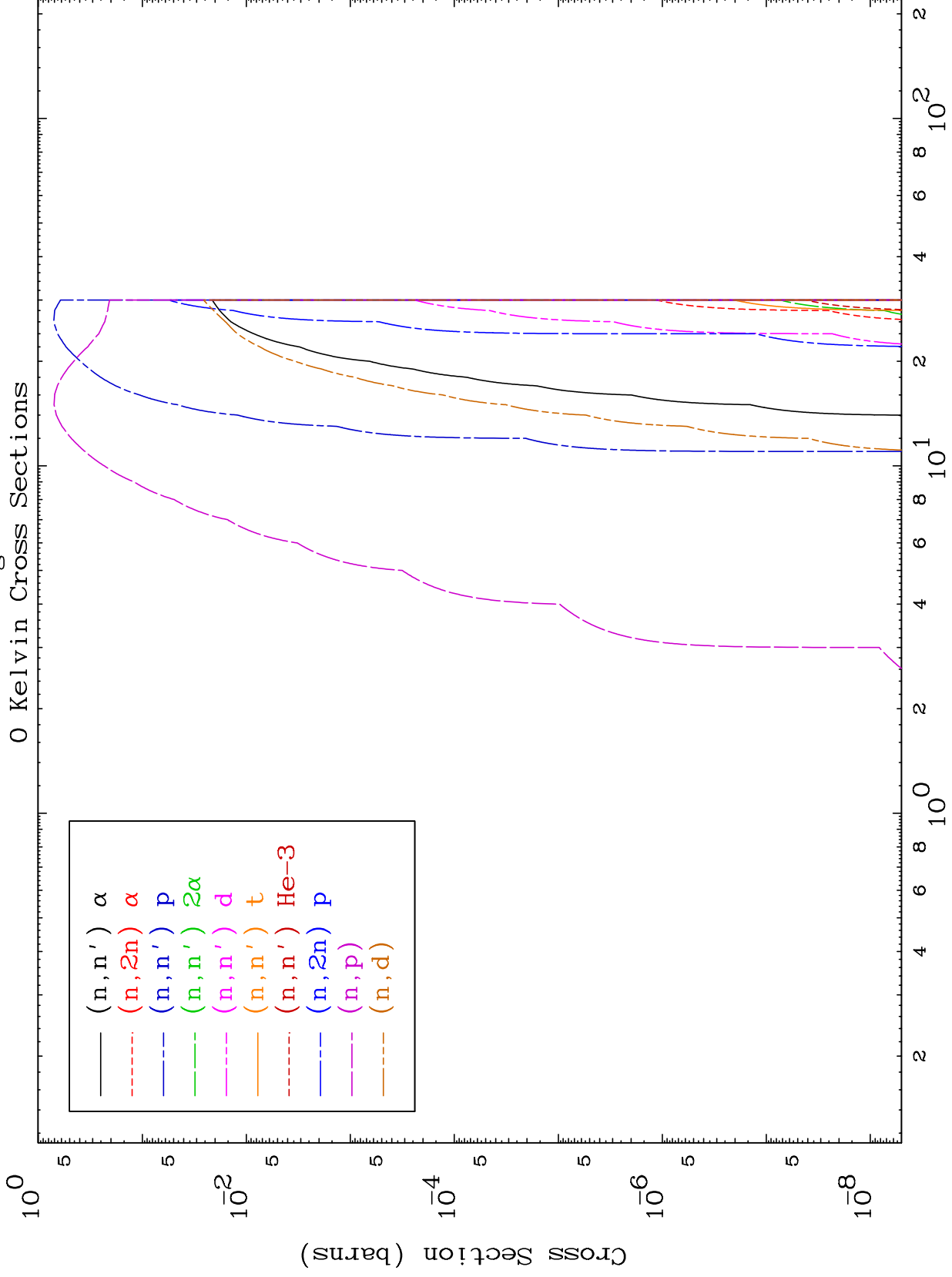


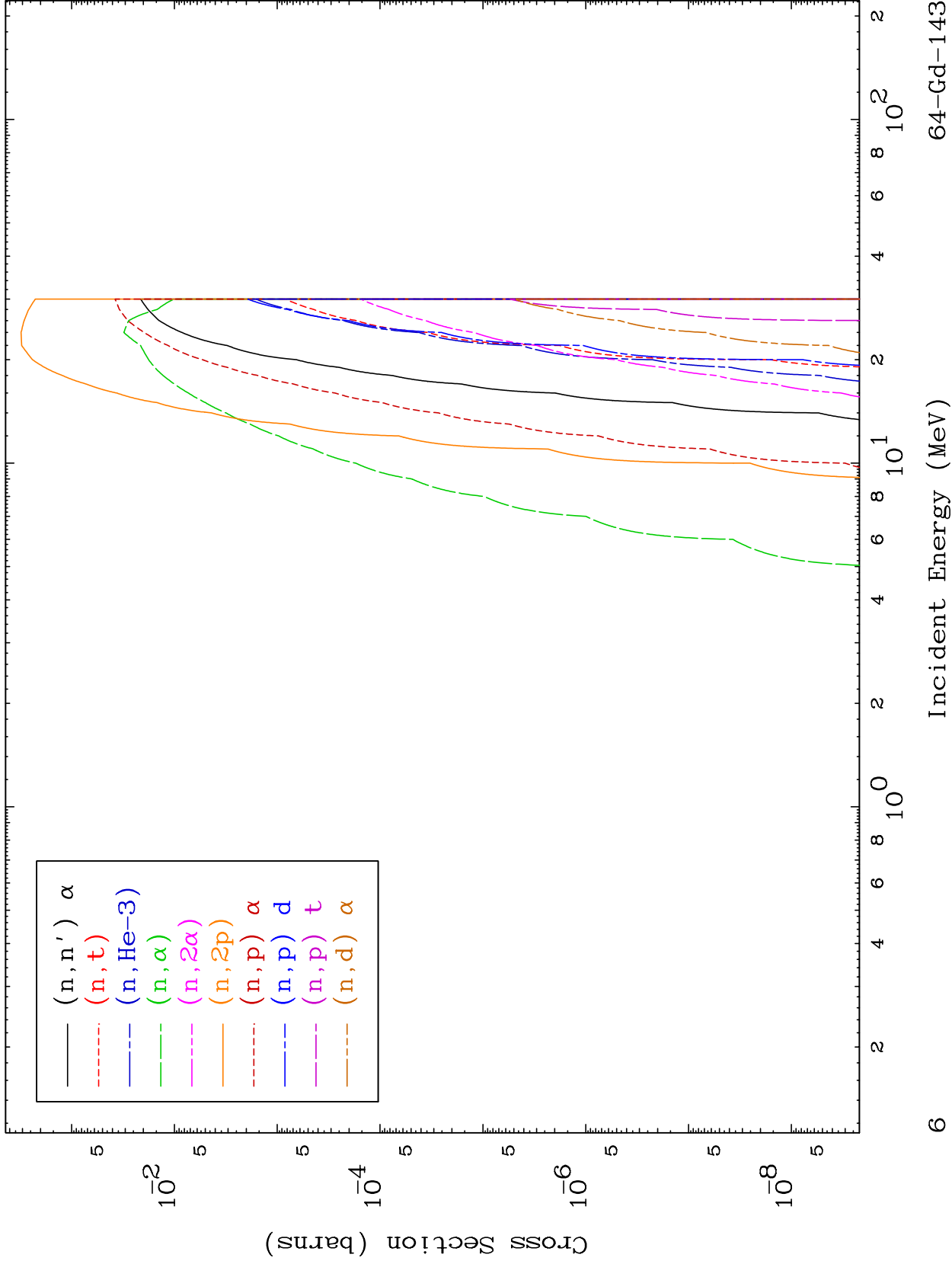


MAT 6398

Proton Charged Particle
0 Kelvin Cross Sections

64-Gd-143

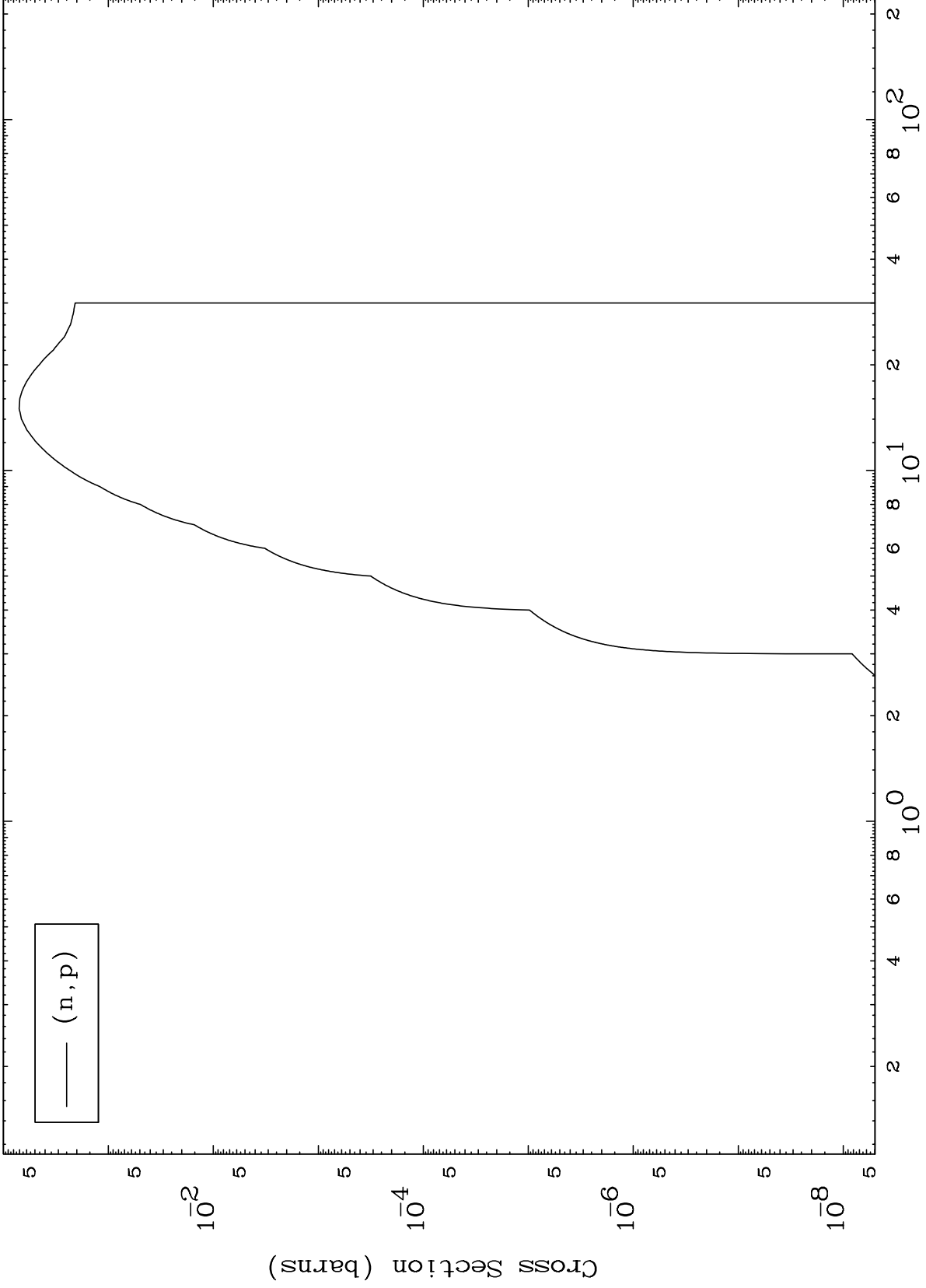




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64-Gd-143

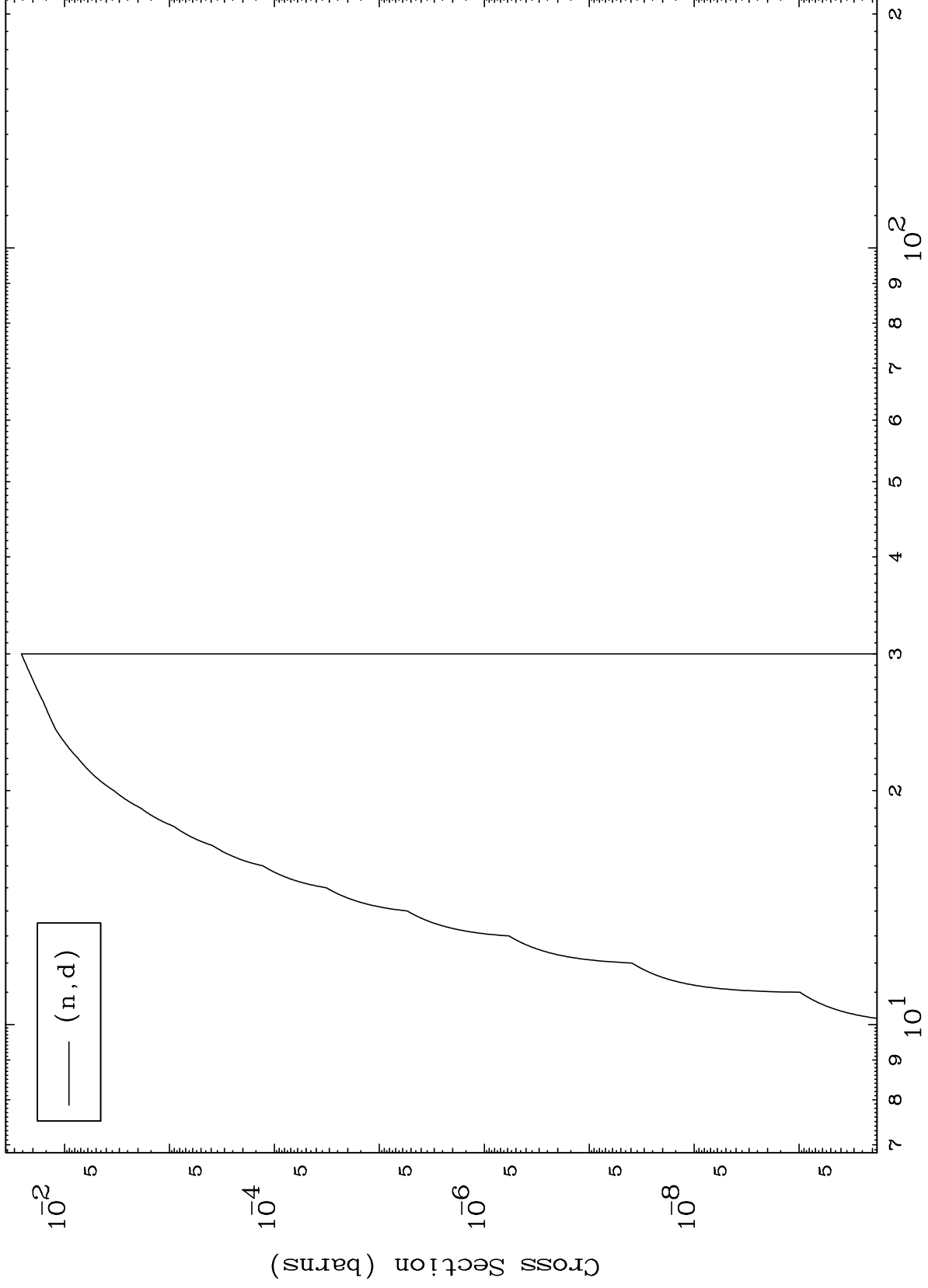
(p,p) Levels
0 Kelvin Cross Sections



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(p,d) Levels
0 Kelvin Cross Sections

64-Gd-143



8

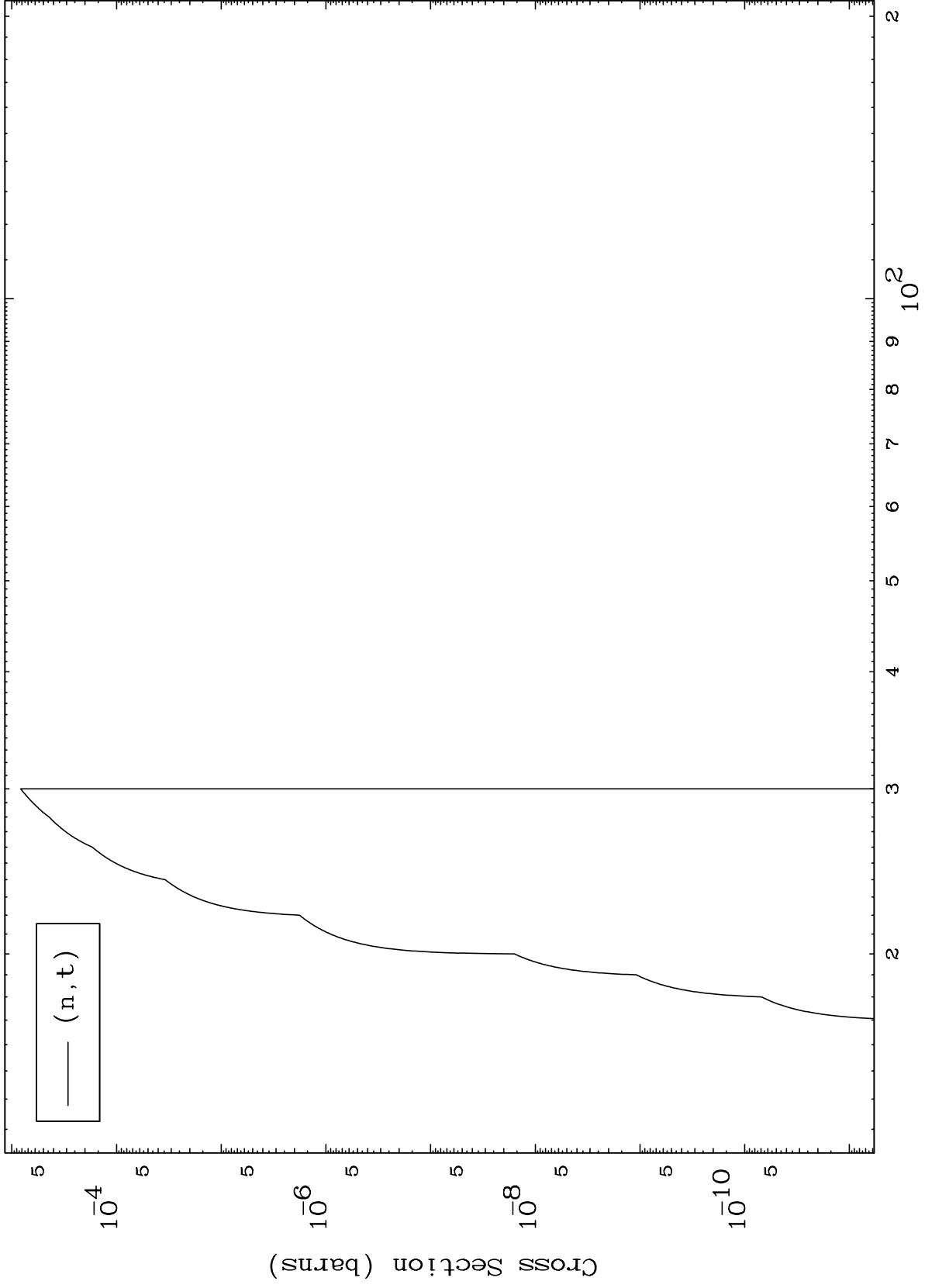
Incident Energy (MeV)

64-Gd-143

MAT 6398

(p, t) Levels
0 Kelvin Cross Sections

64-Gd-143



9

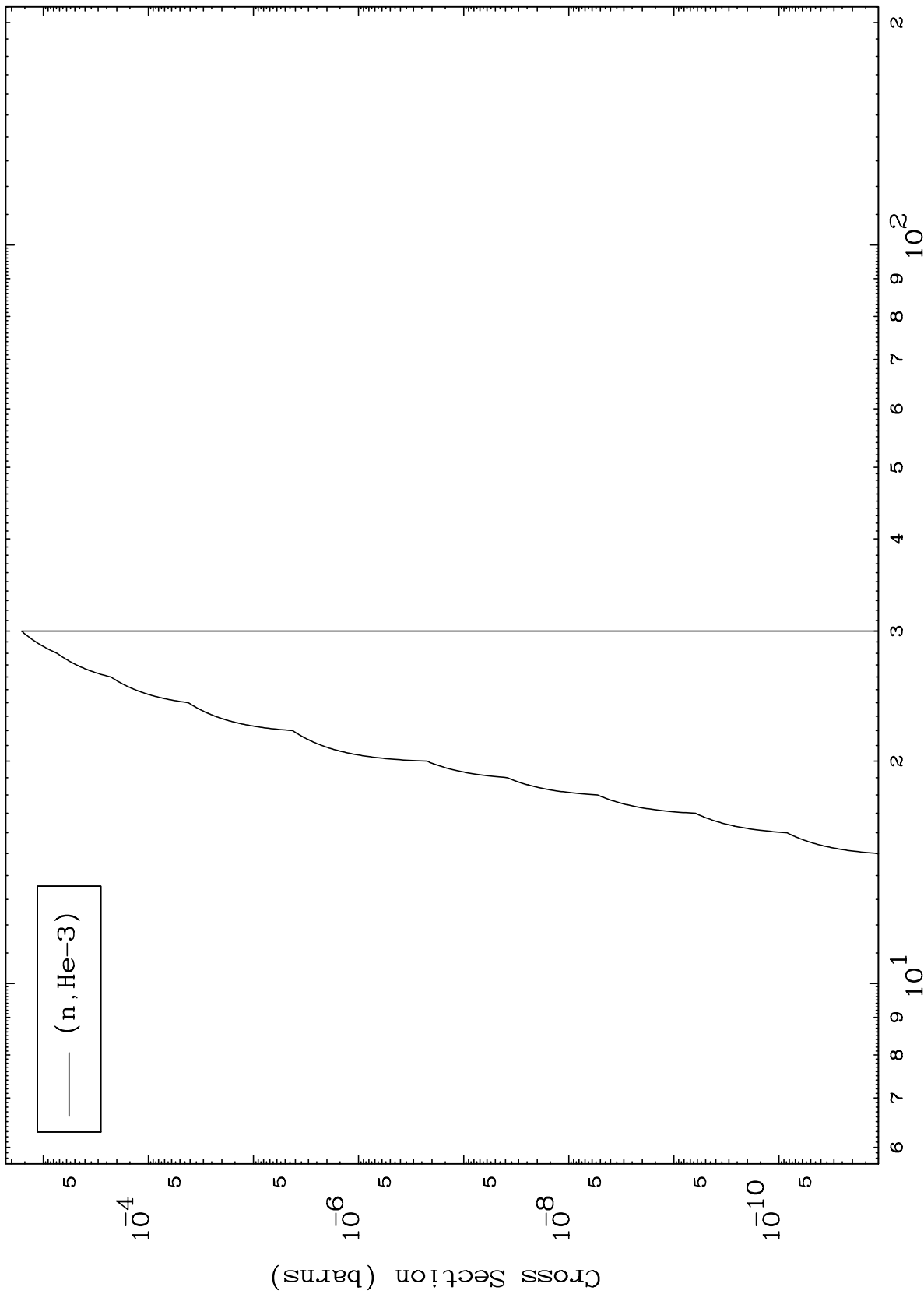
Incident Energy (MeV)

64-Gd-143

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64-Gd-143

(p,He3) Levels
0 Kelvin Cross Sections



64-Gd-143

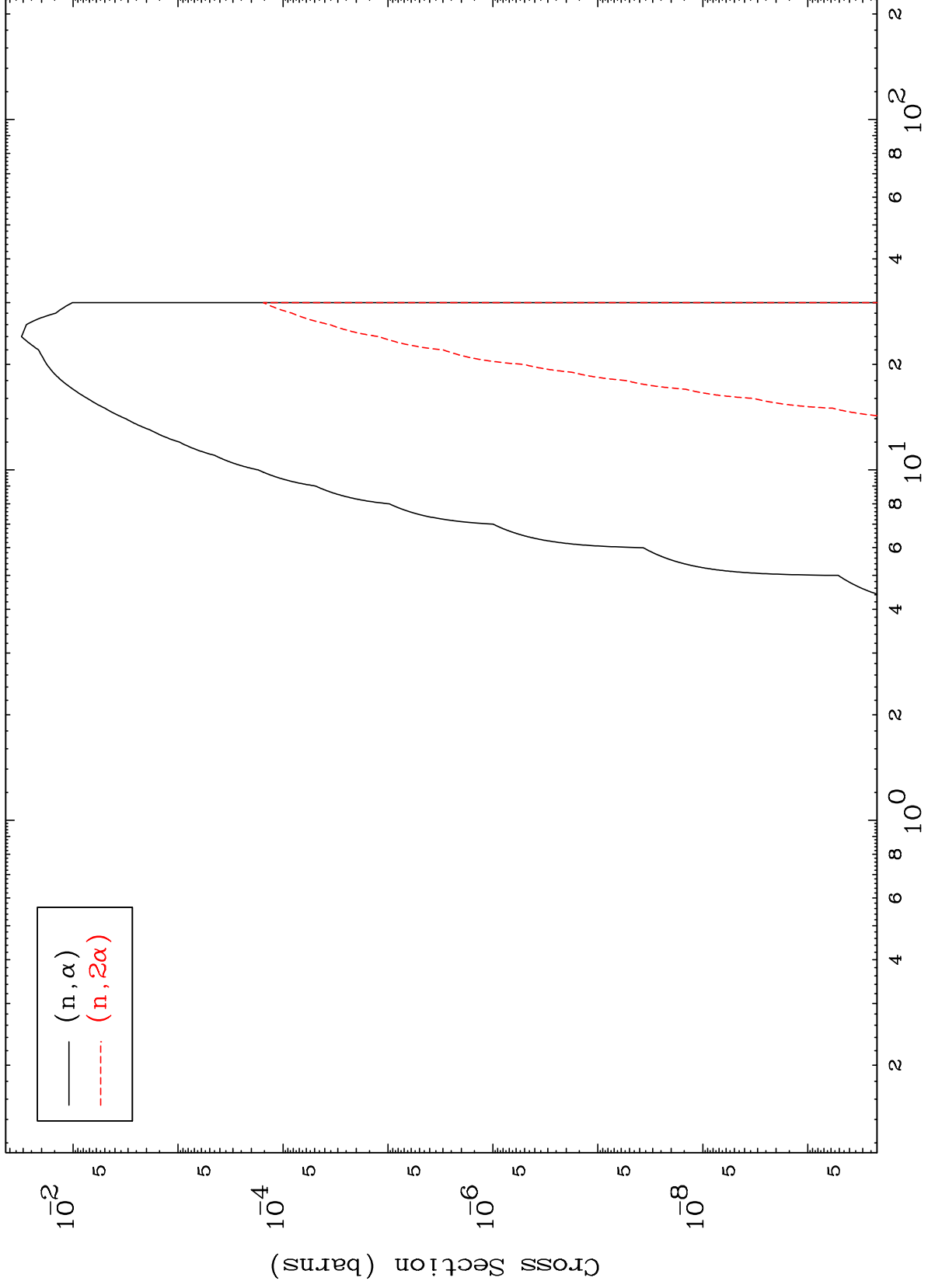
Incident Energy (MeV)

10

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(p, α) Levels
0 Kelvin Cross Sections

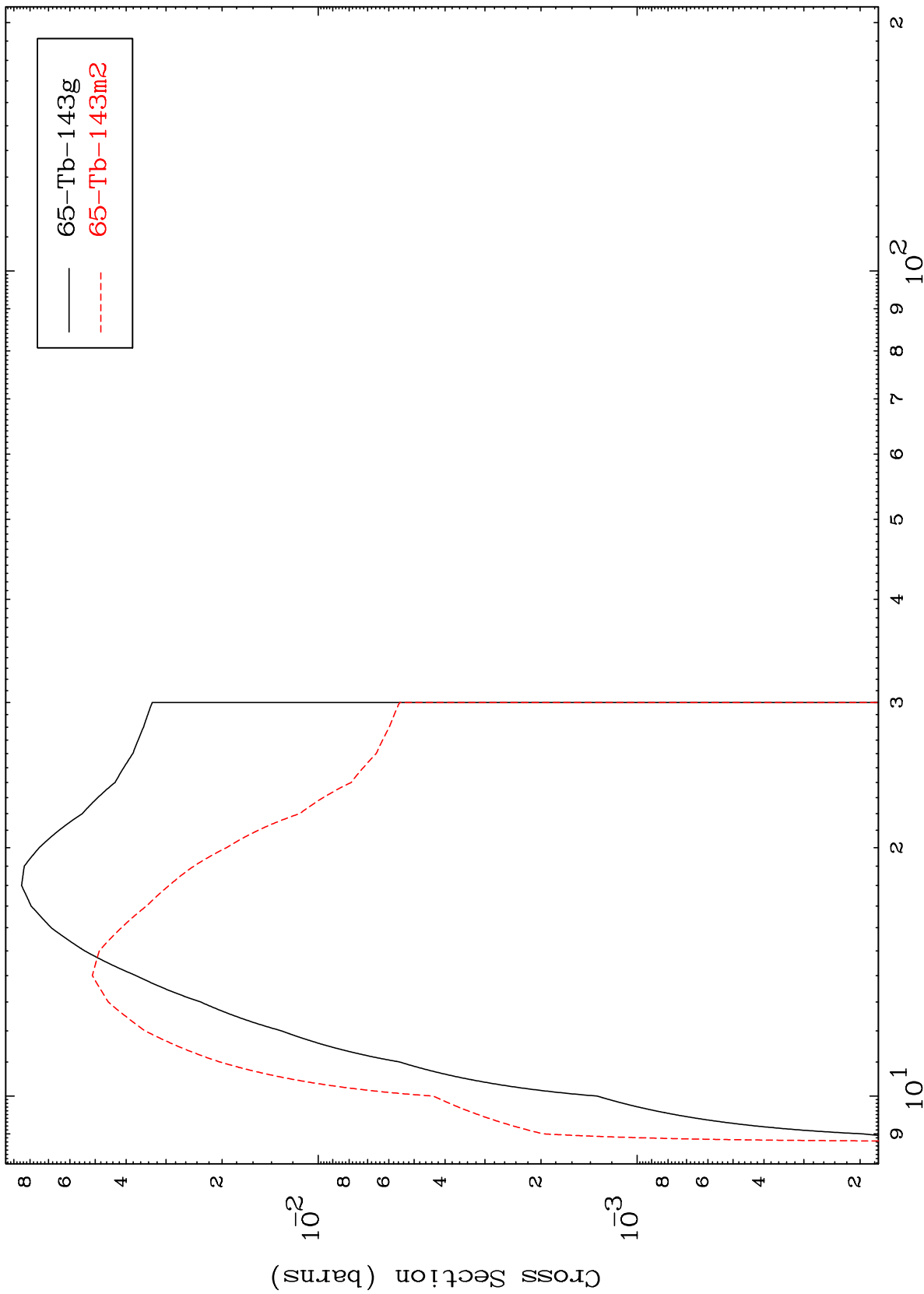
64-Gd-143



MAT 6398

64-Gd-143

Inelastic
Radionuclide Production Cross Section



64-Gd-143

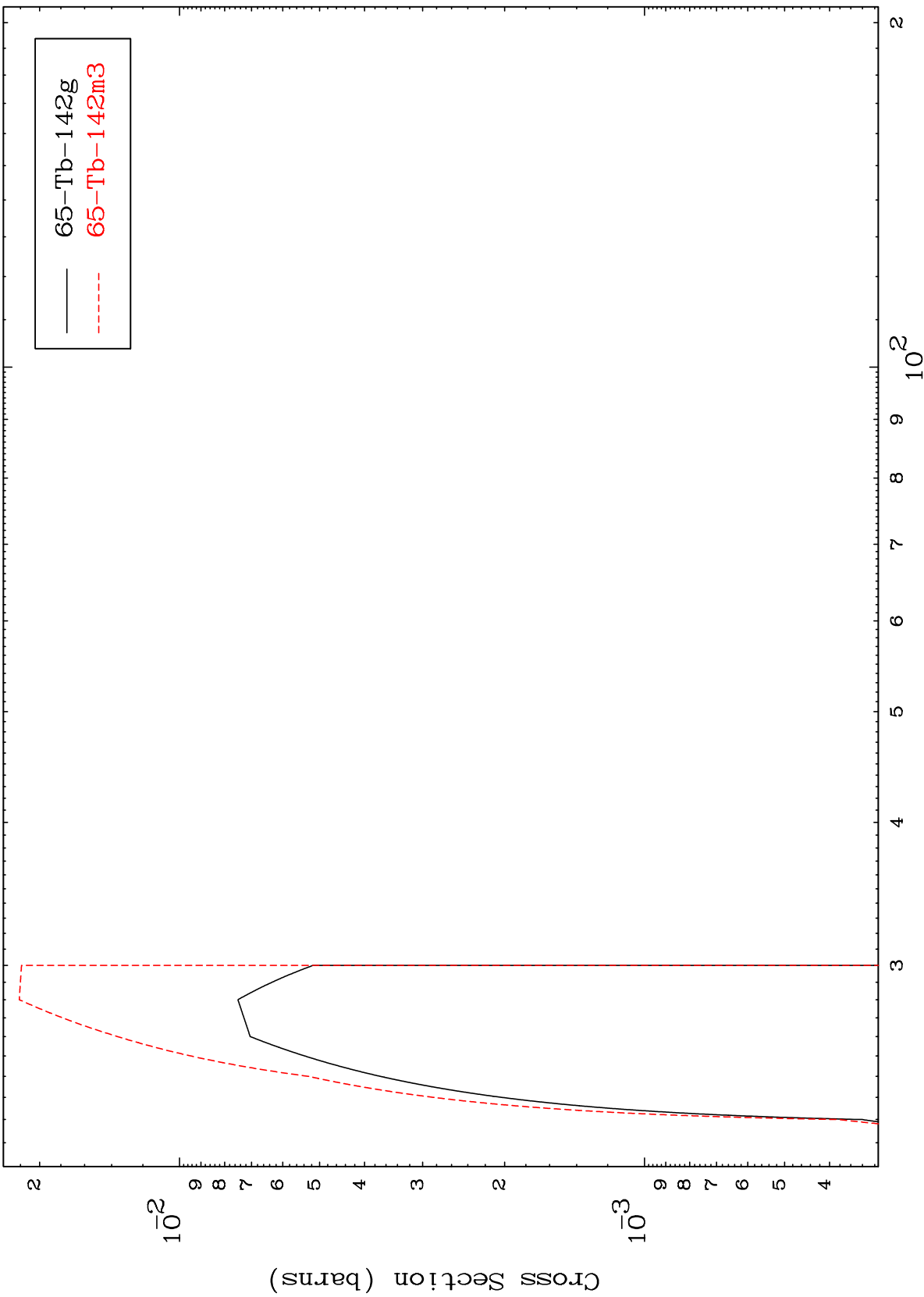
Incident Energy (MeV)

12

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64-Gd-143

(n,2n)
Radionuclide Production Cross Section



13

Incident Energy (MeV)

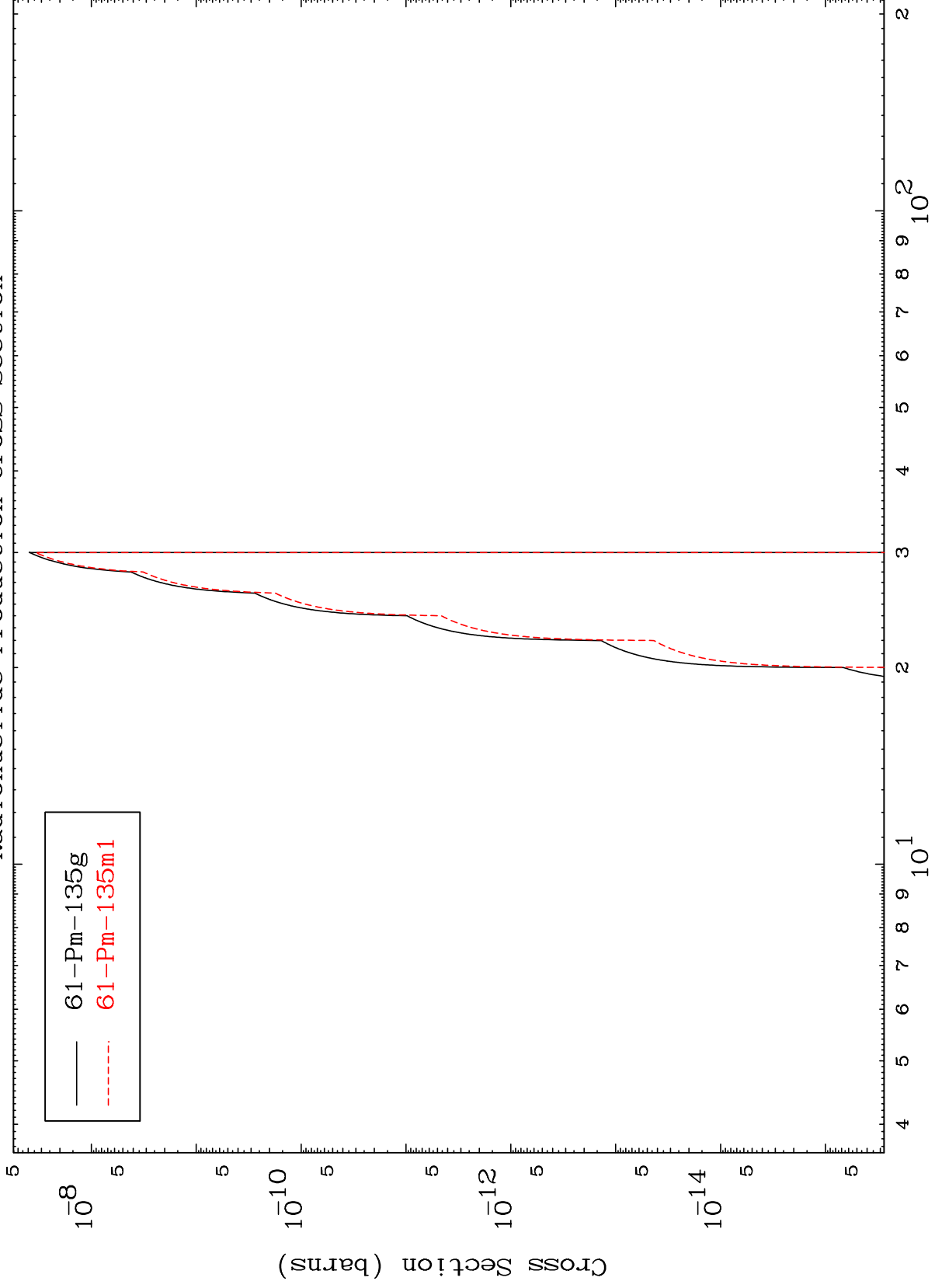
64-Gd-143

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(n,n') 2α

64-Gd-143

Radionuclide Production Cross Section



61-Pm-135g
61-Pm-135m1

14

Incident Energy (MeV)

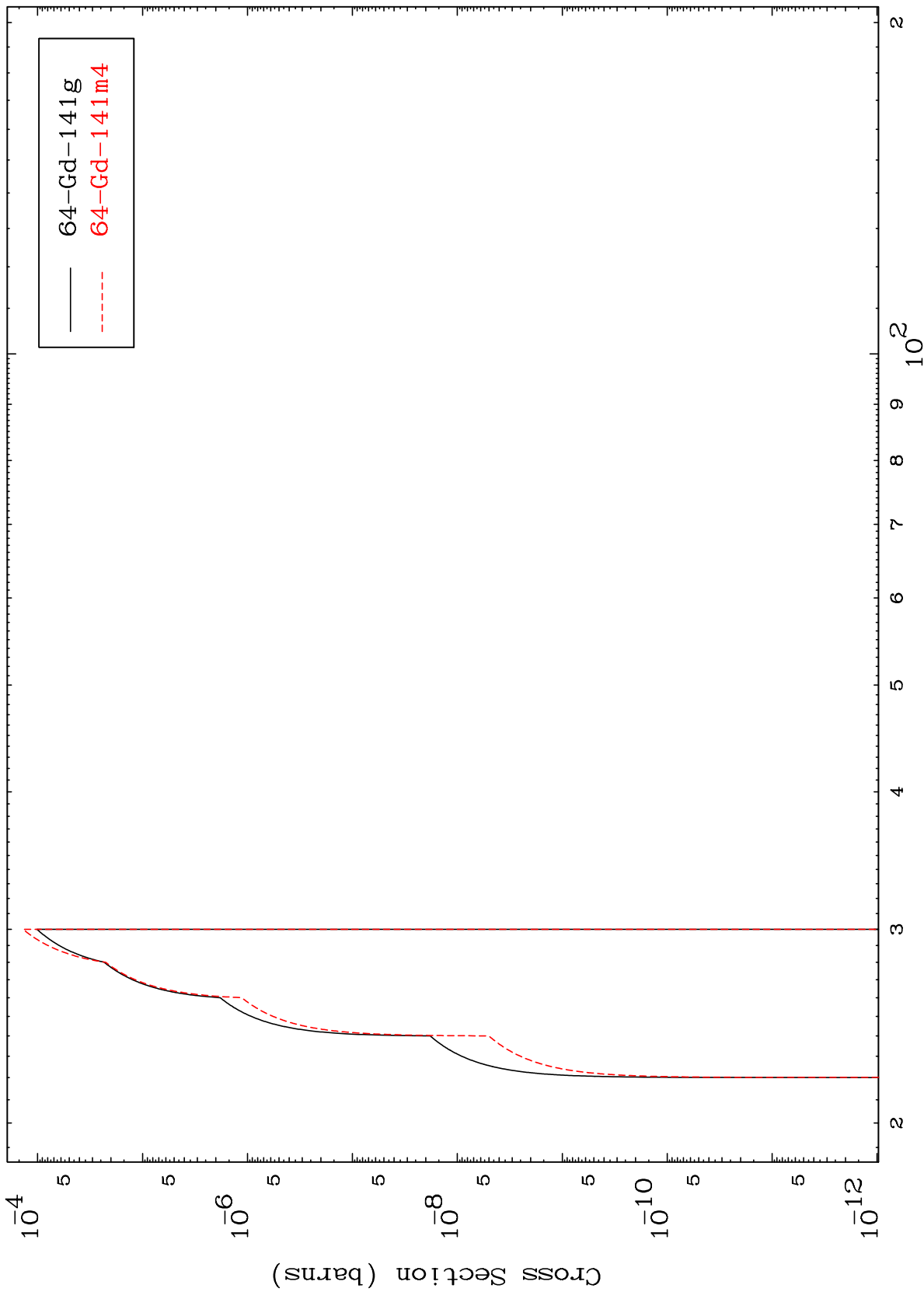
64-Gd-143

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(n,n') d

64-Gd-143

Radionuclide Production Cross Section



15

Incident Energy (MeV)

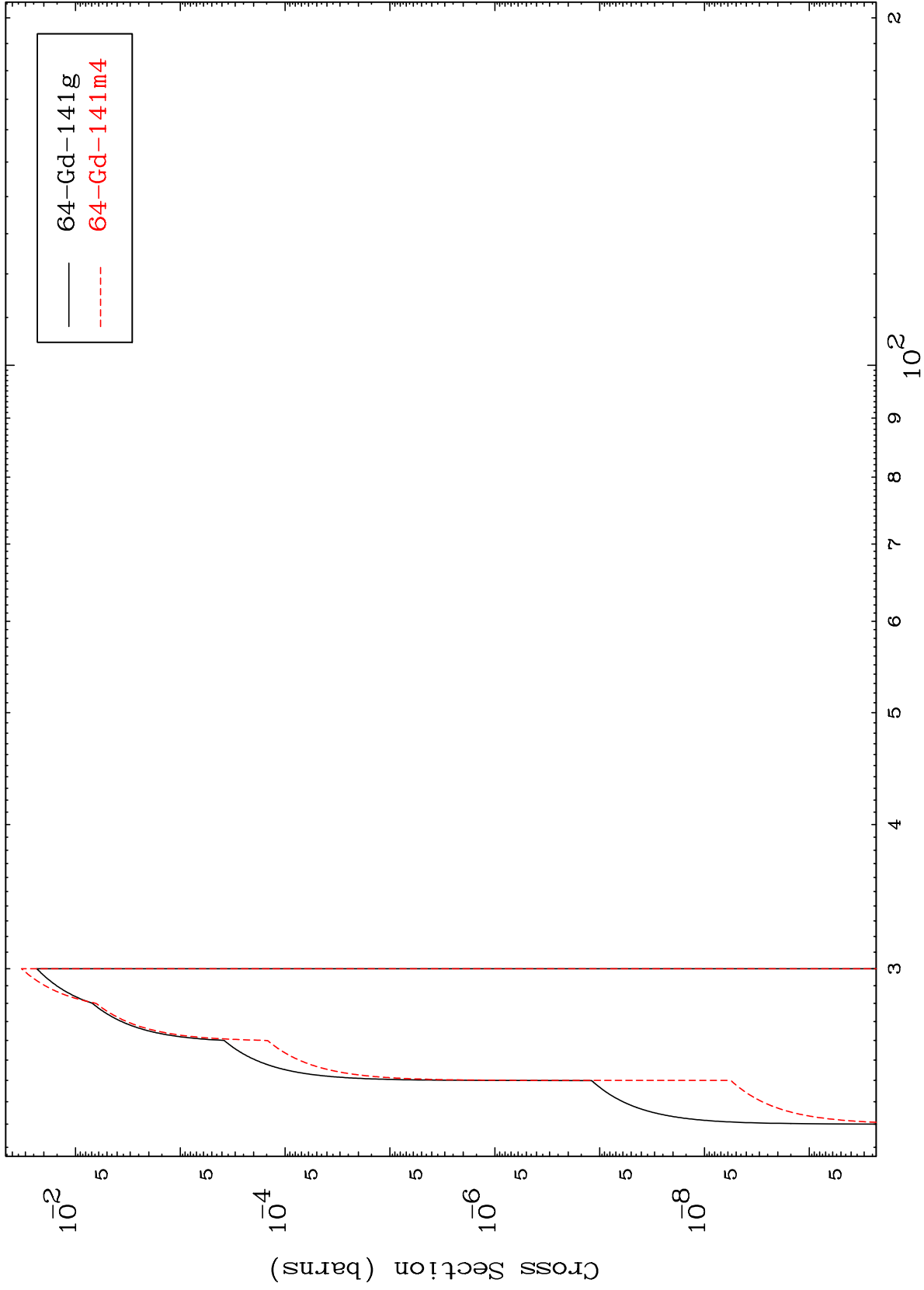
64-Gd-143

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(n,2n) p

64-Gd-143

Radionuclide Production Cross Section

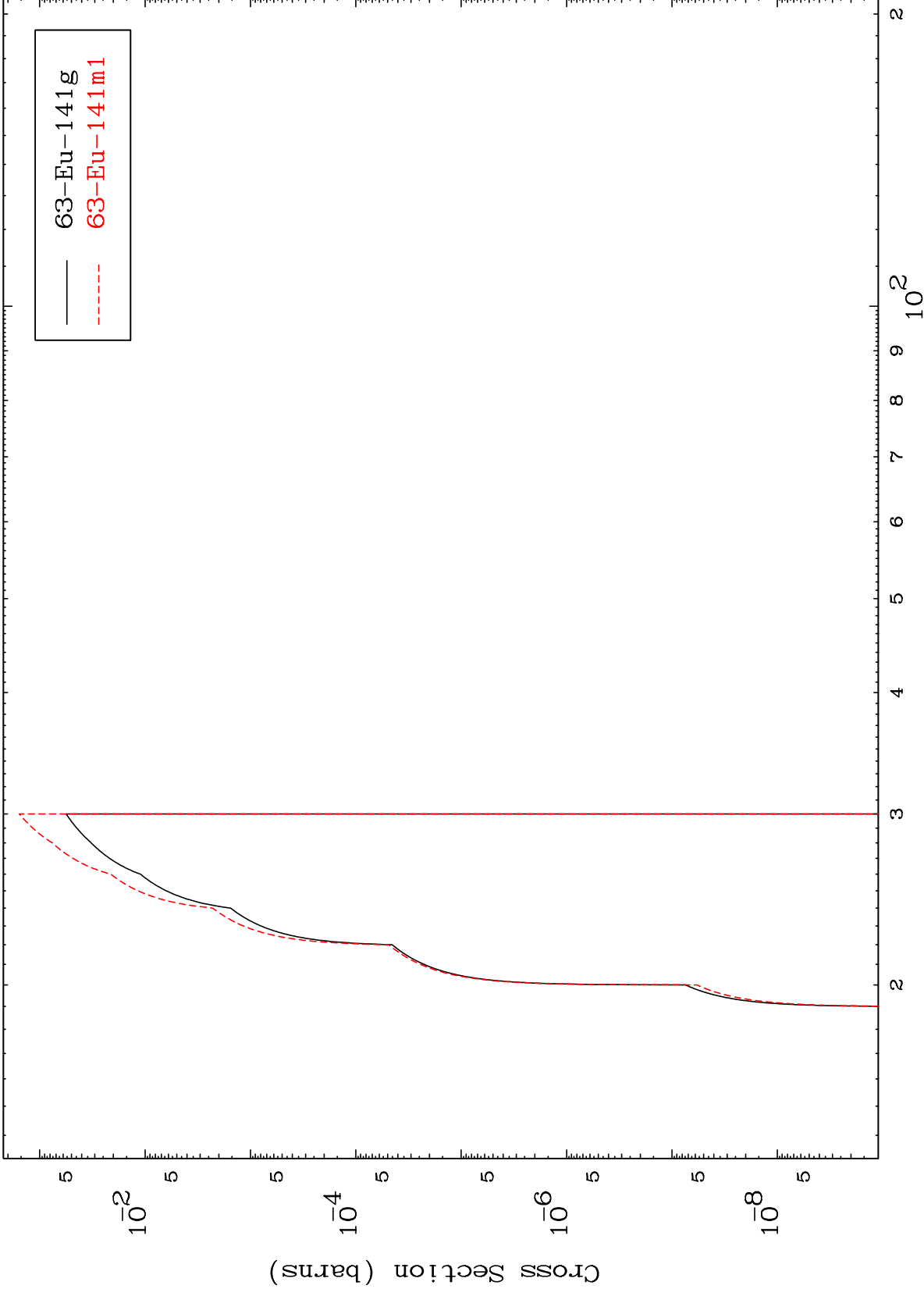


16

Incident Energy (MeV)

64-Gd-143

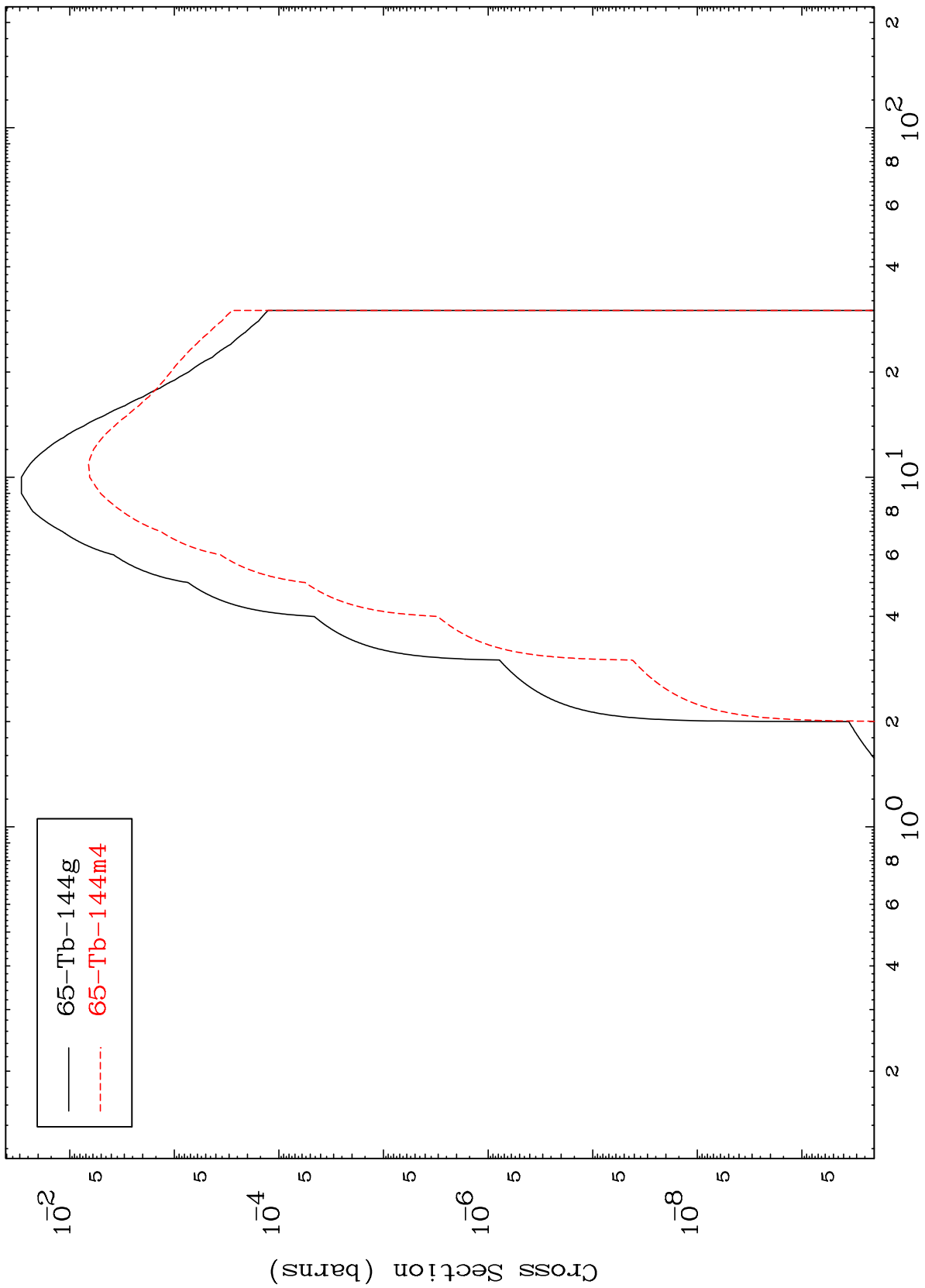
Radionuclide Production Cross Section



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64-Gd-143

(n, γ)
Radionuclide Production Cross Section



18

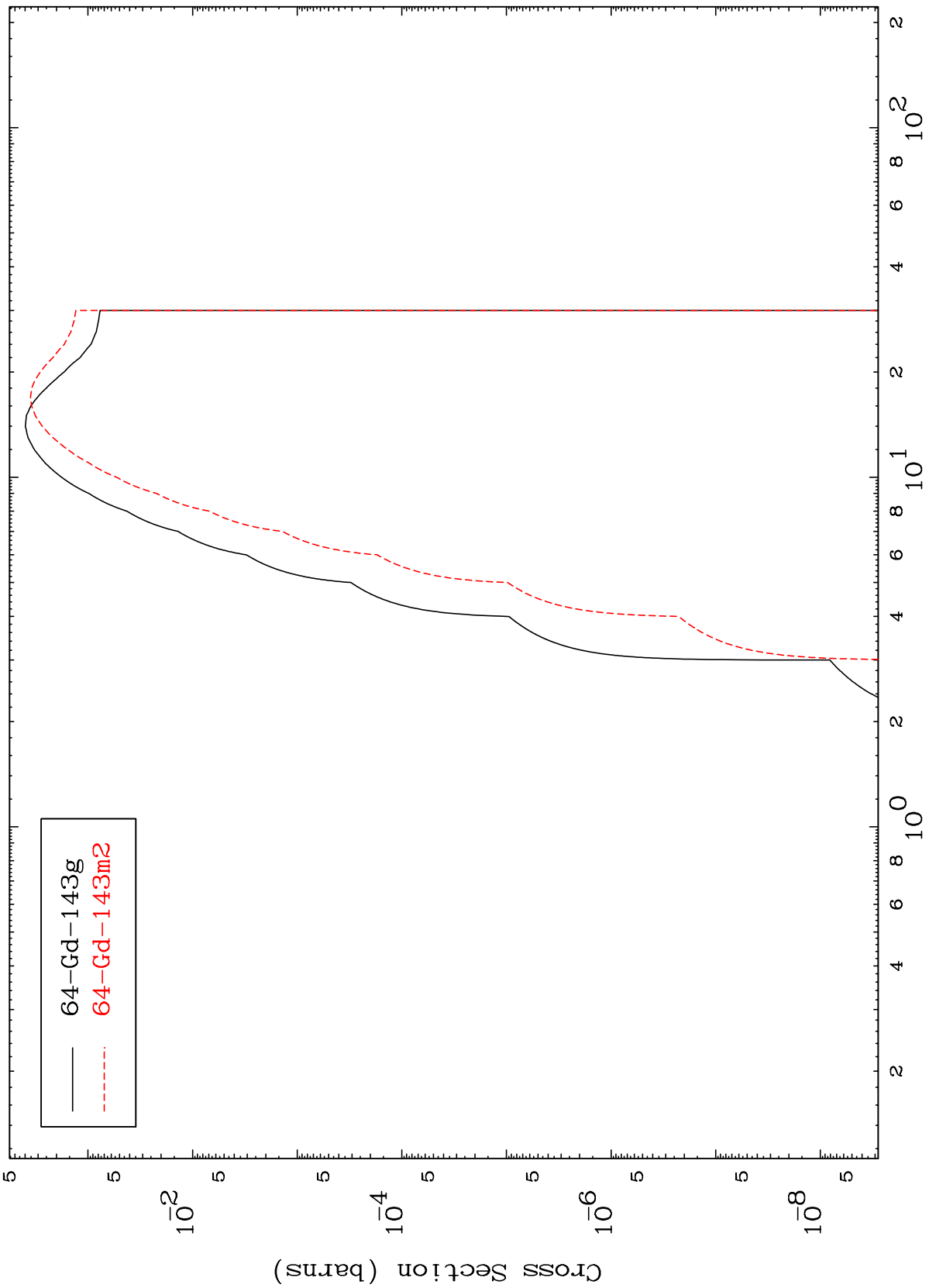
64-Gd-143

Incident Energy (MeV)

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64-Gd-143

(n,p)
Radionuclide Production Cross Section



64-Gd-143g
64-Gd-143m2

64-Gd-143

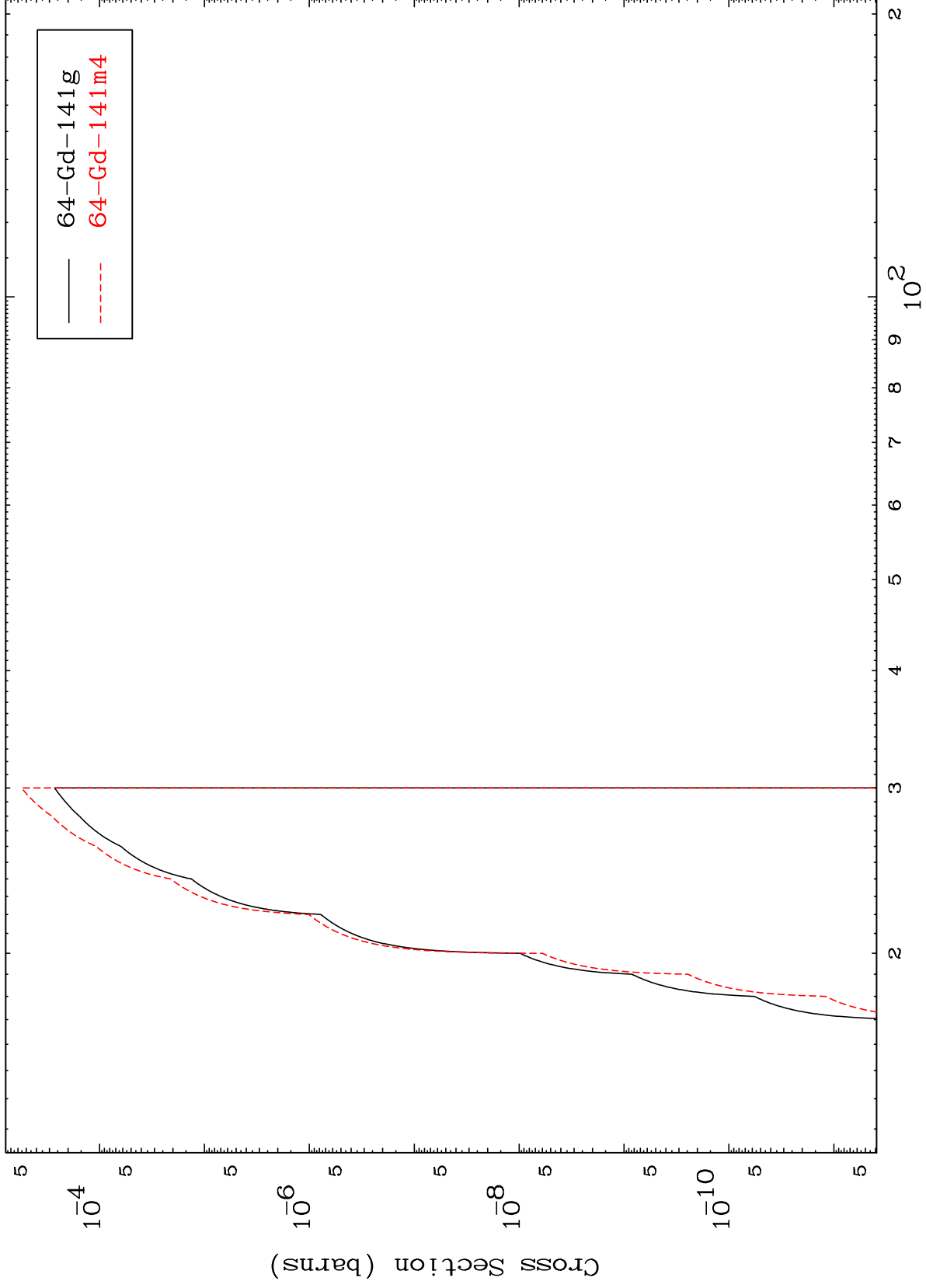
Incident Energy (MeV)

19

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64-Gd-143

(n,t)
Radionuclide Production Cross Section



64-Gd-143

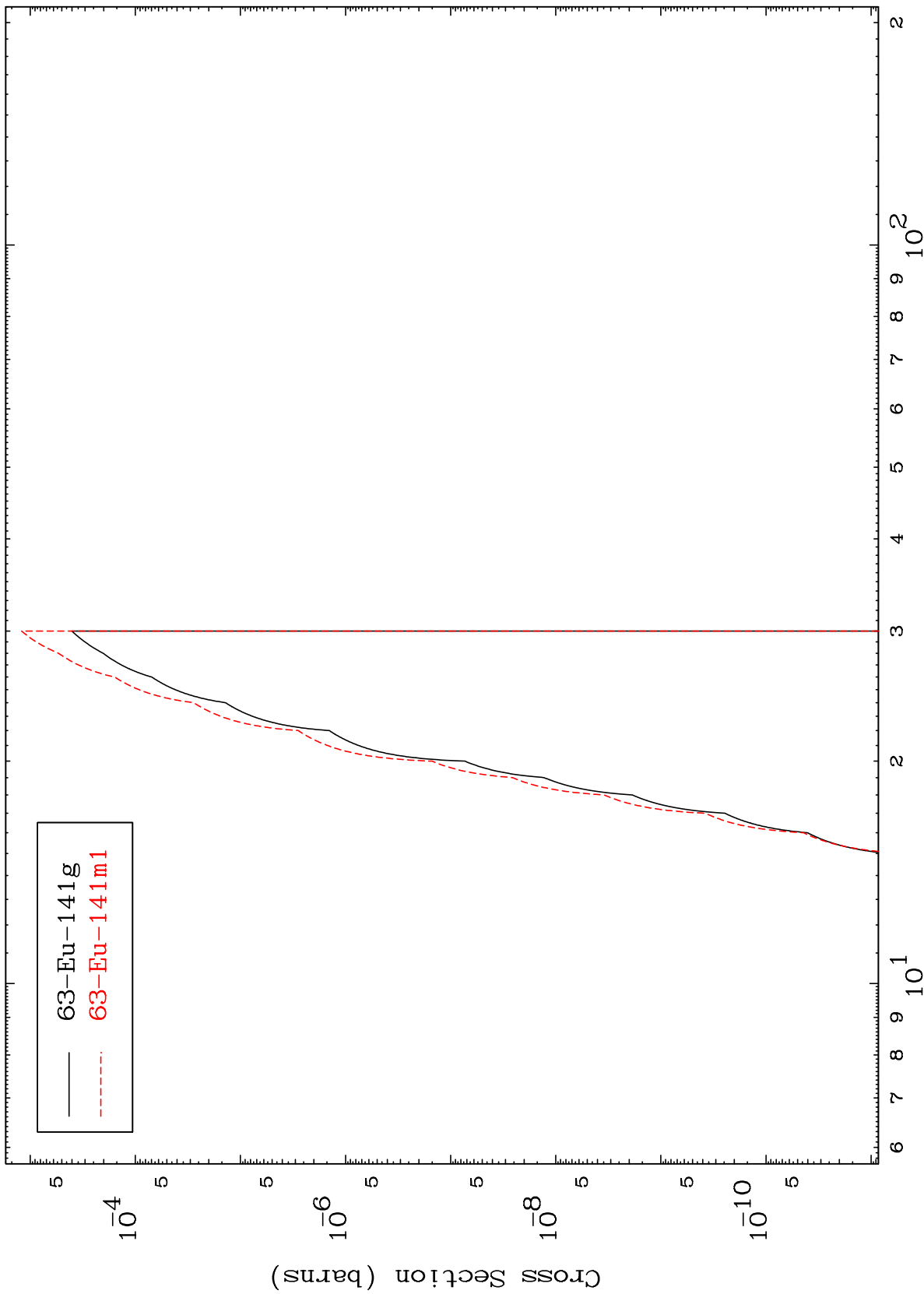
Incident Energy (MeV)

20

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64-Gd-143

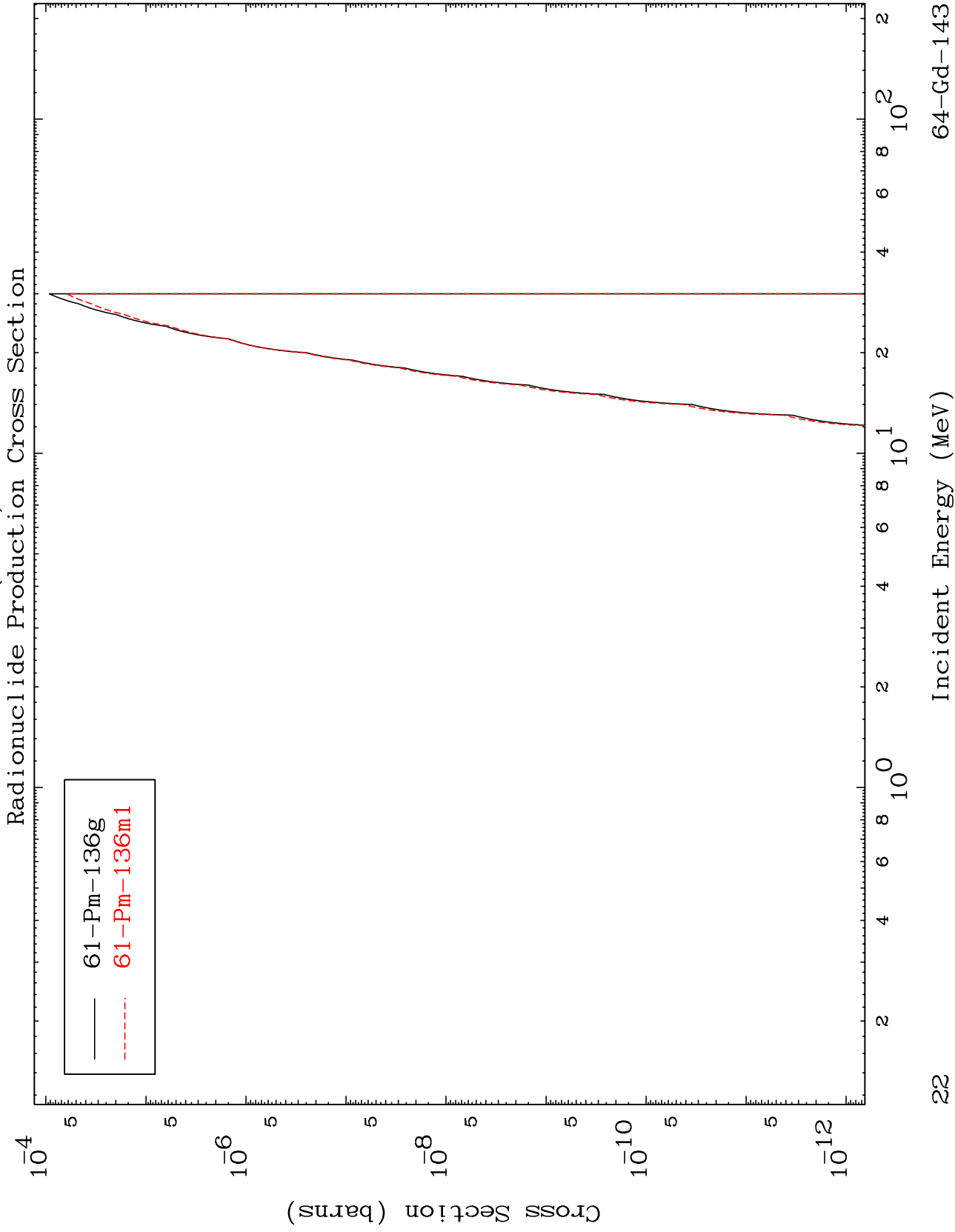
(n,He-3)
Radionuclide Production Cross Section



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(n,2α)

64-Gd-143



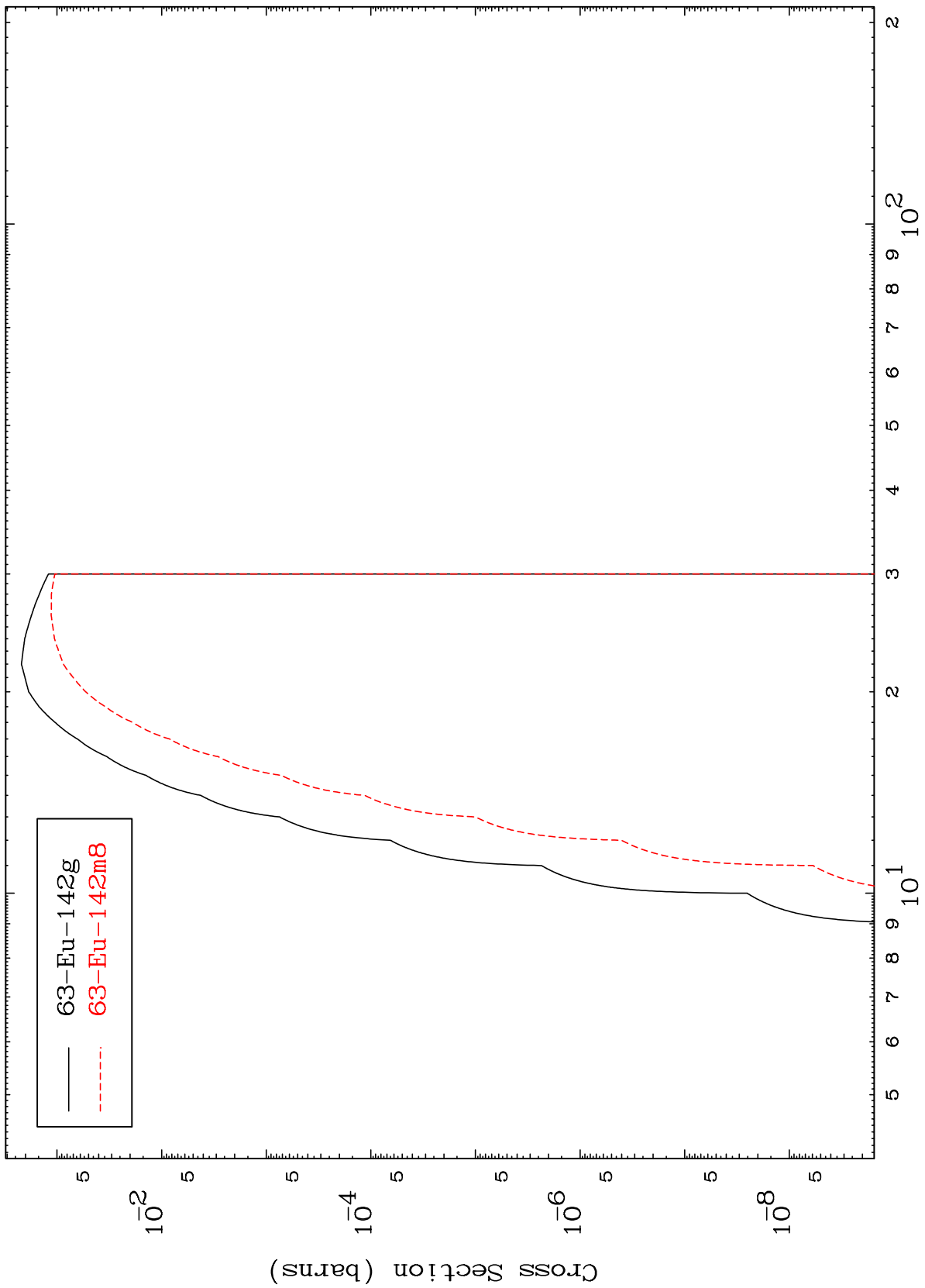
22

64-Gd-143

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64-Gd-143

Radionuclide Production Cross Section
(n,2p)



23

64-Gd-143

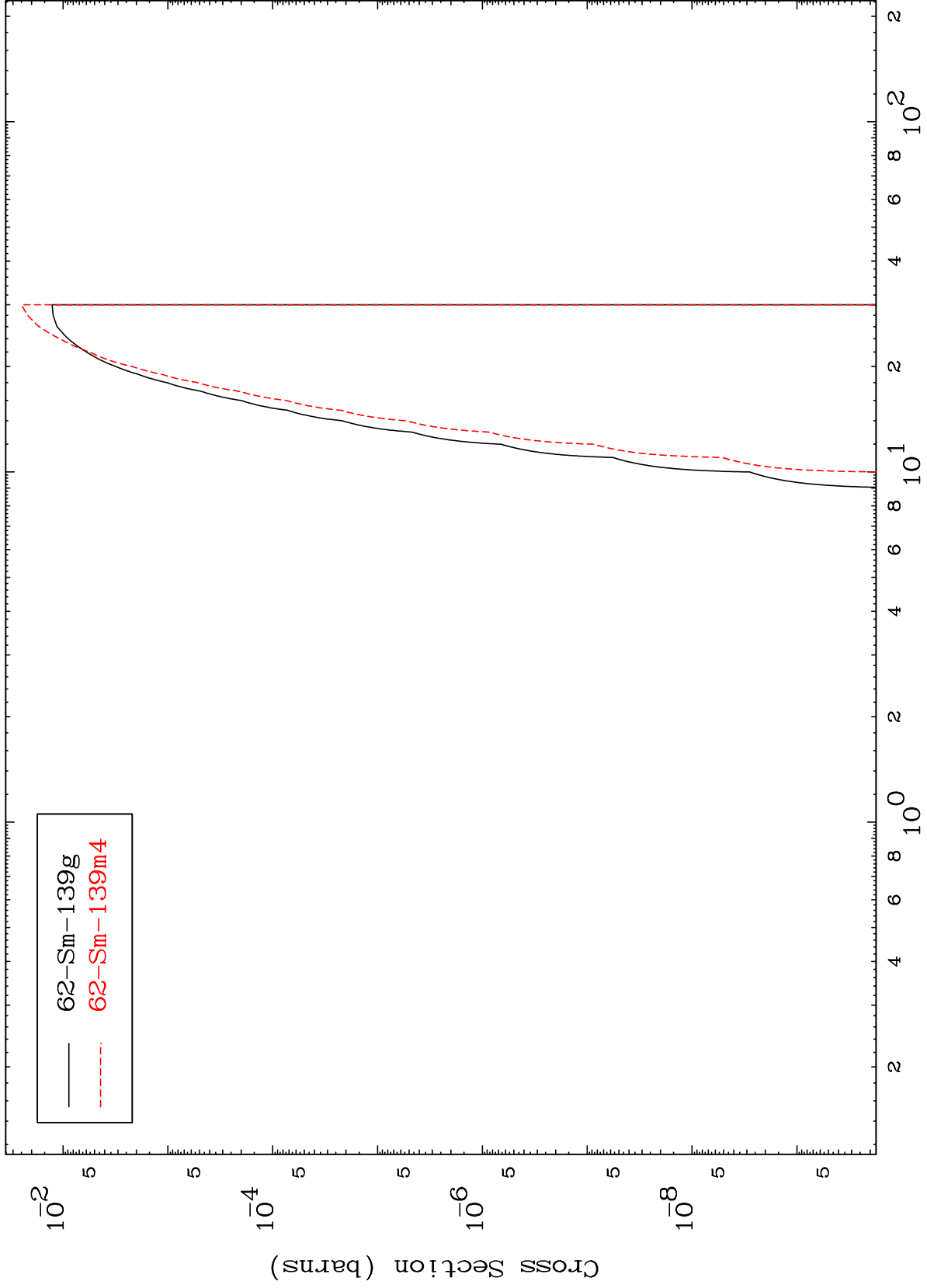
Incident Energy (MeV)

MAT 6398

(n,p) α

64-Gd-143

Radionuclide Production Cross Section



24

Incident Energy (MeV)

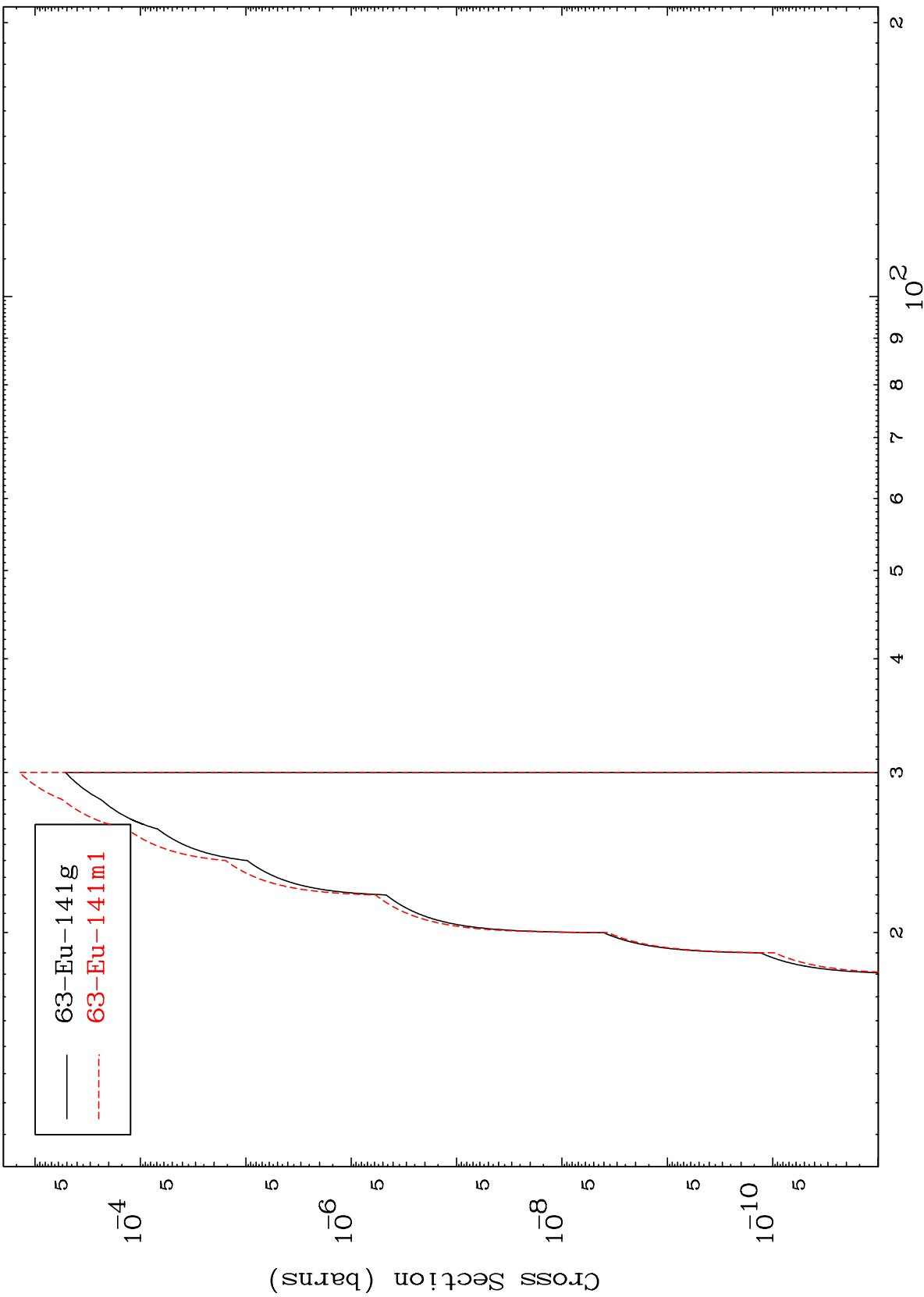
64-Gd-143

MAT 6398

(n,p) d

64-Gd-143

Radionuclide Production Cross Section



25

Incident Energy (MeV)

64-Gd-143