

Program EVALPLOT  
(Version 2021-1)

by

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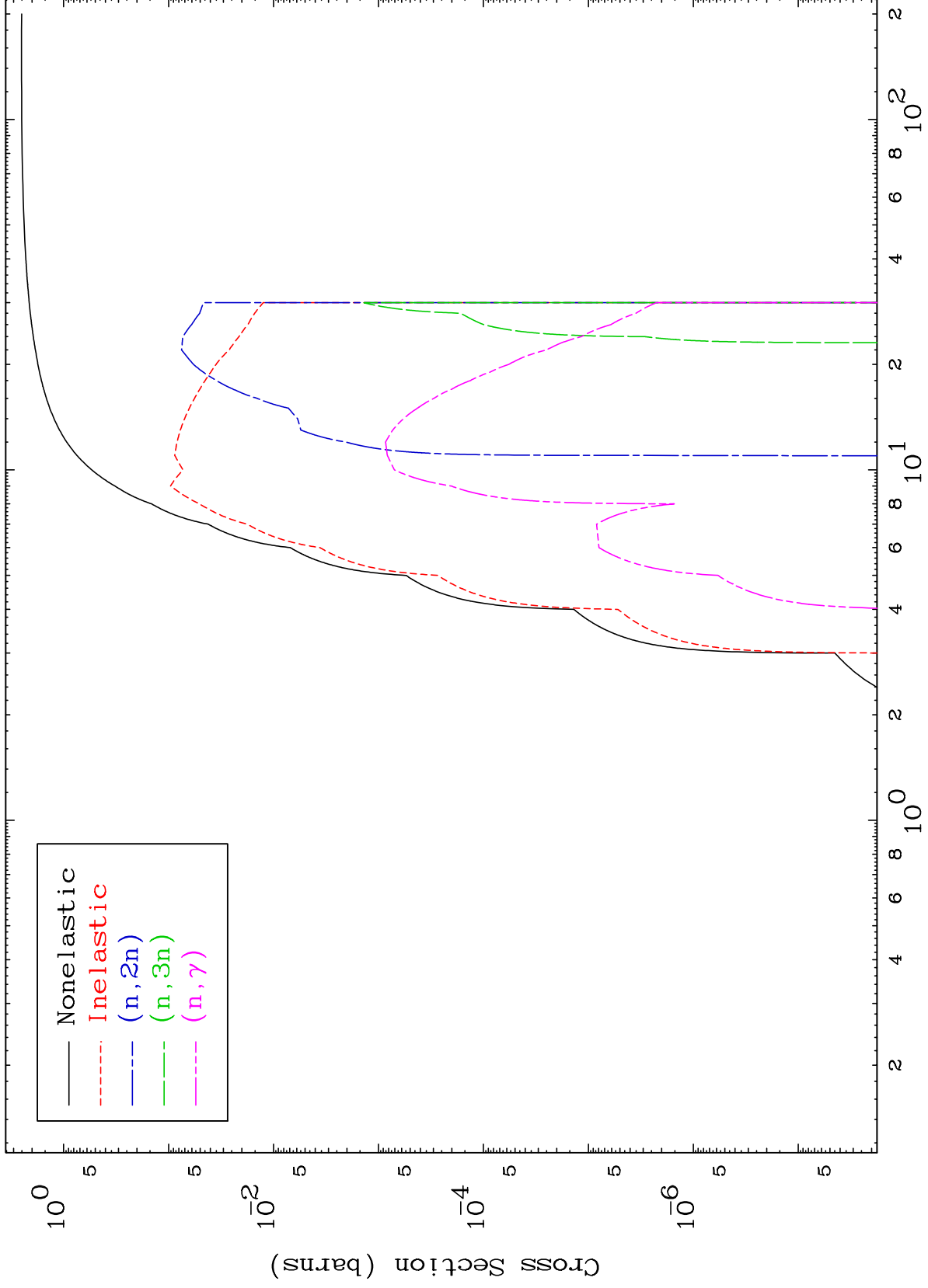
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6398

Deuteron Major  
0 Kelvin Cross Sections

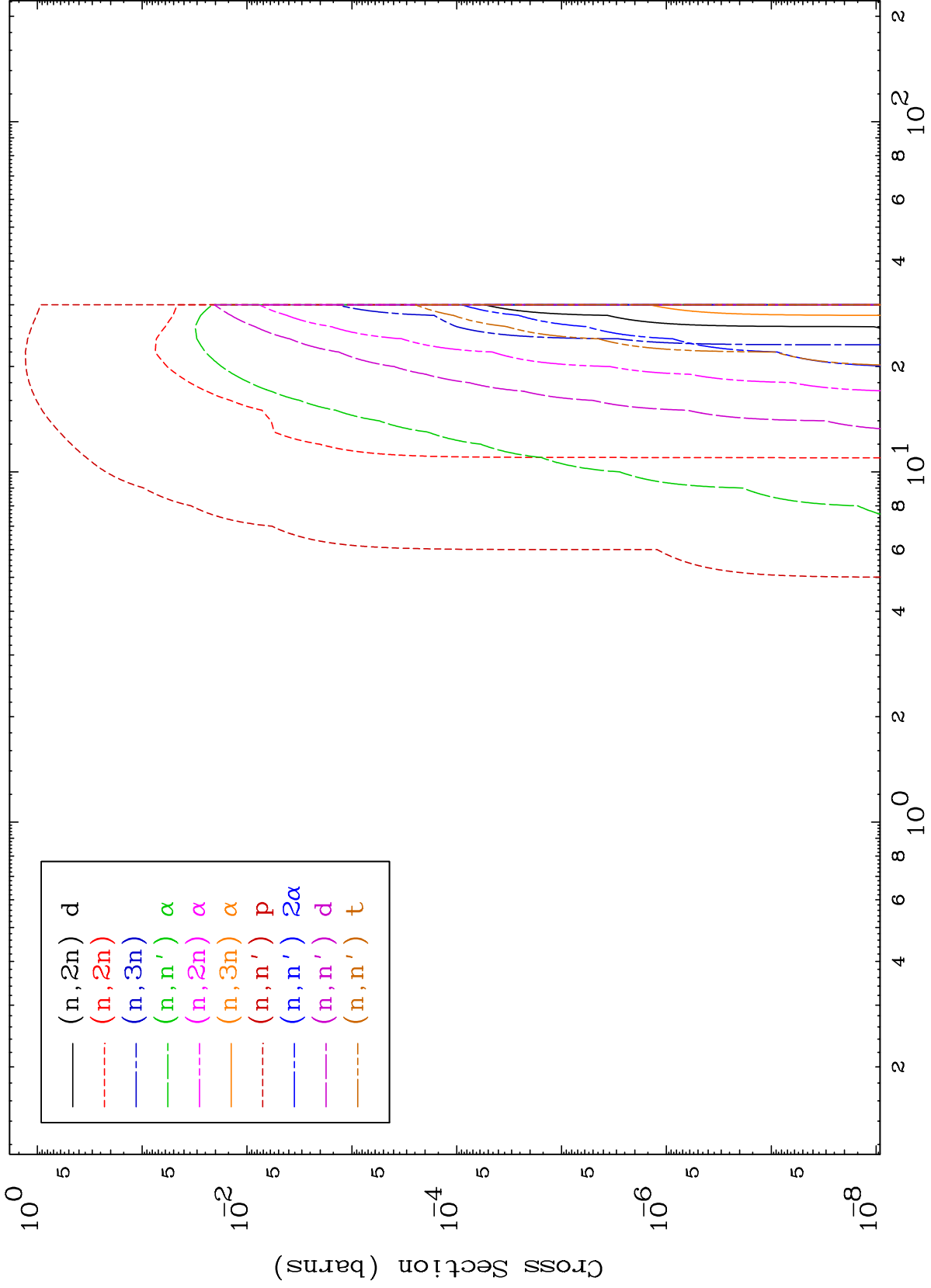
64-Gd-143

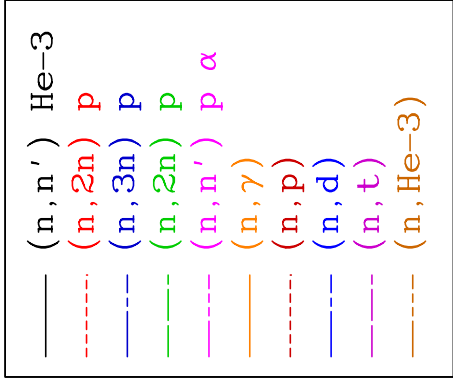
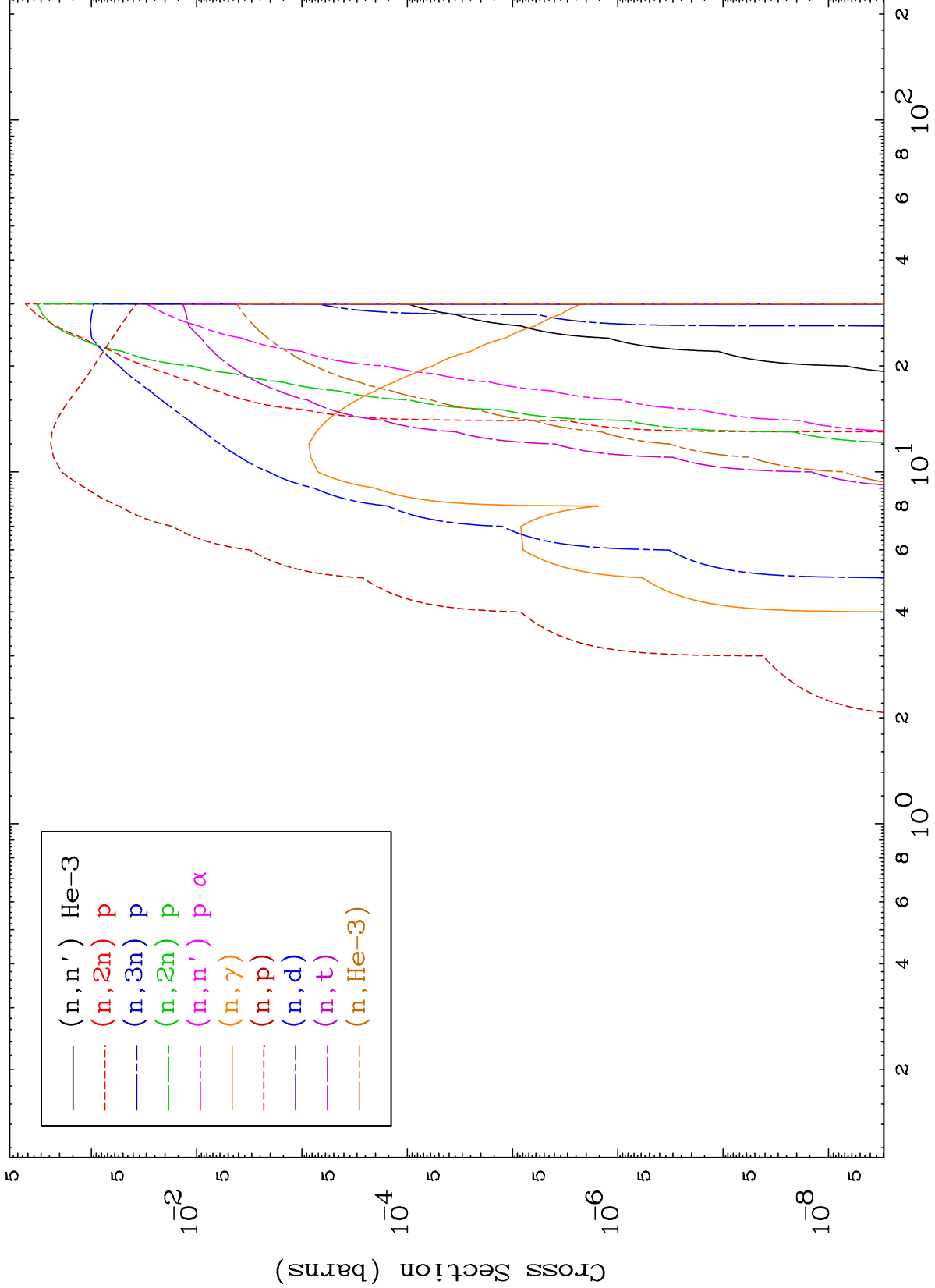


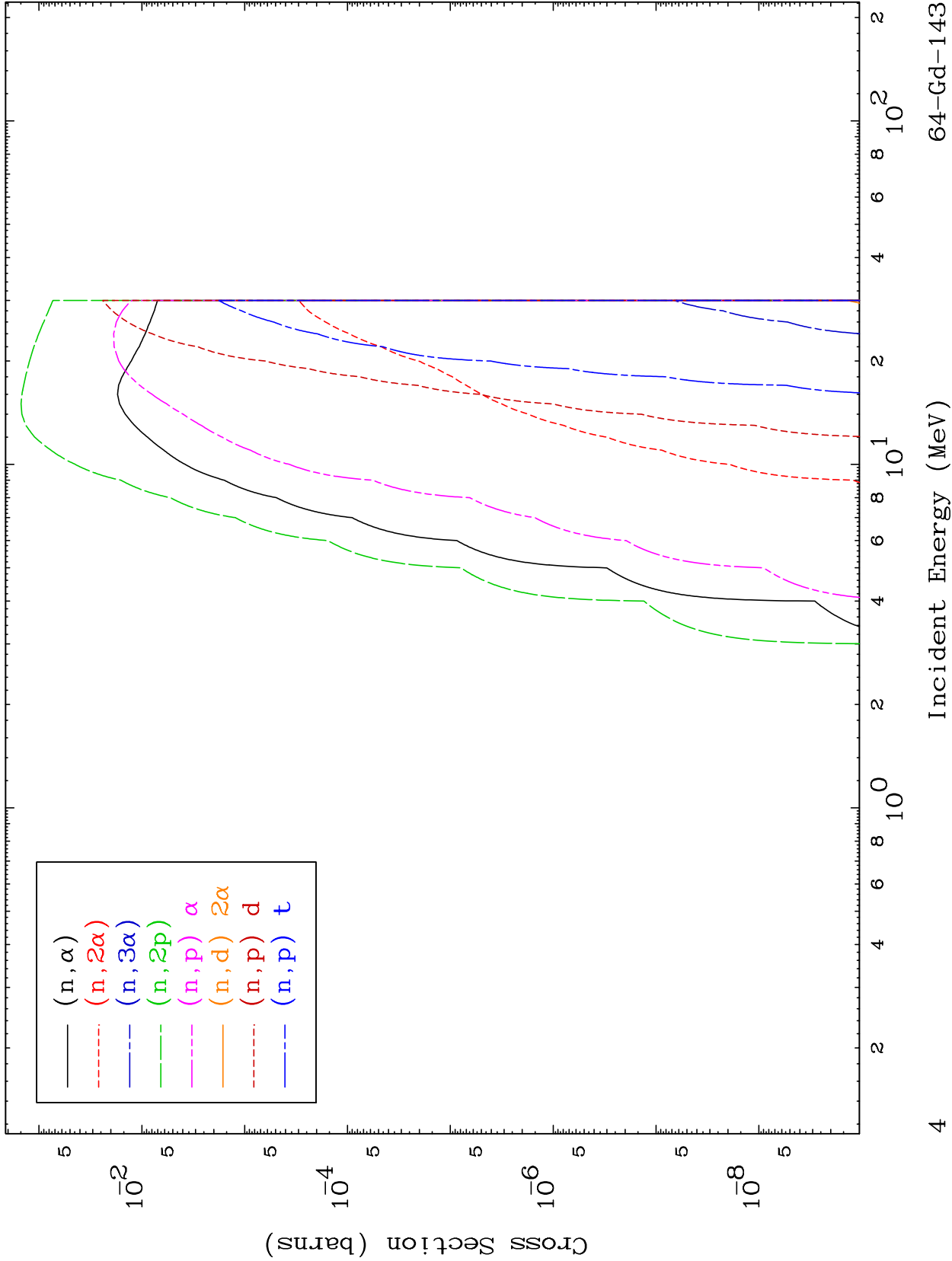
MAT 6398

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

64-Gd-143



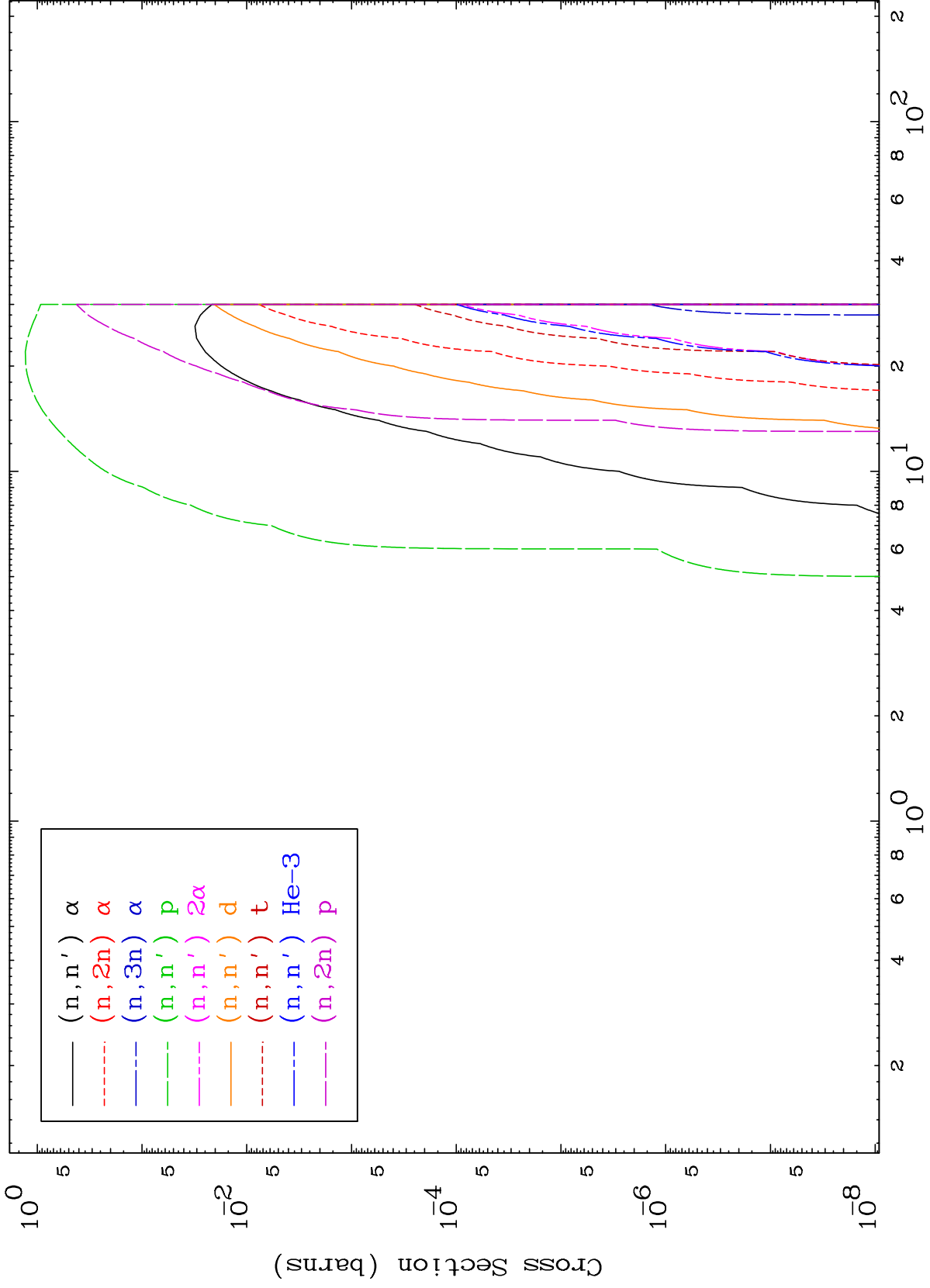


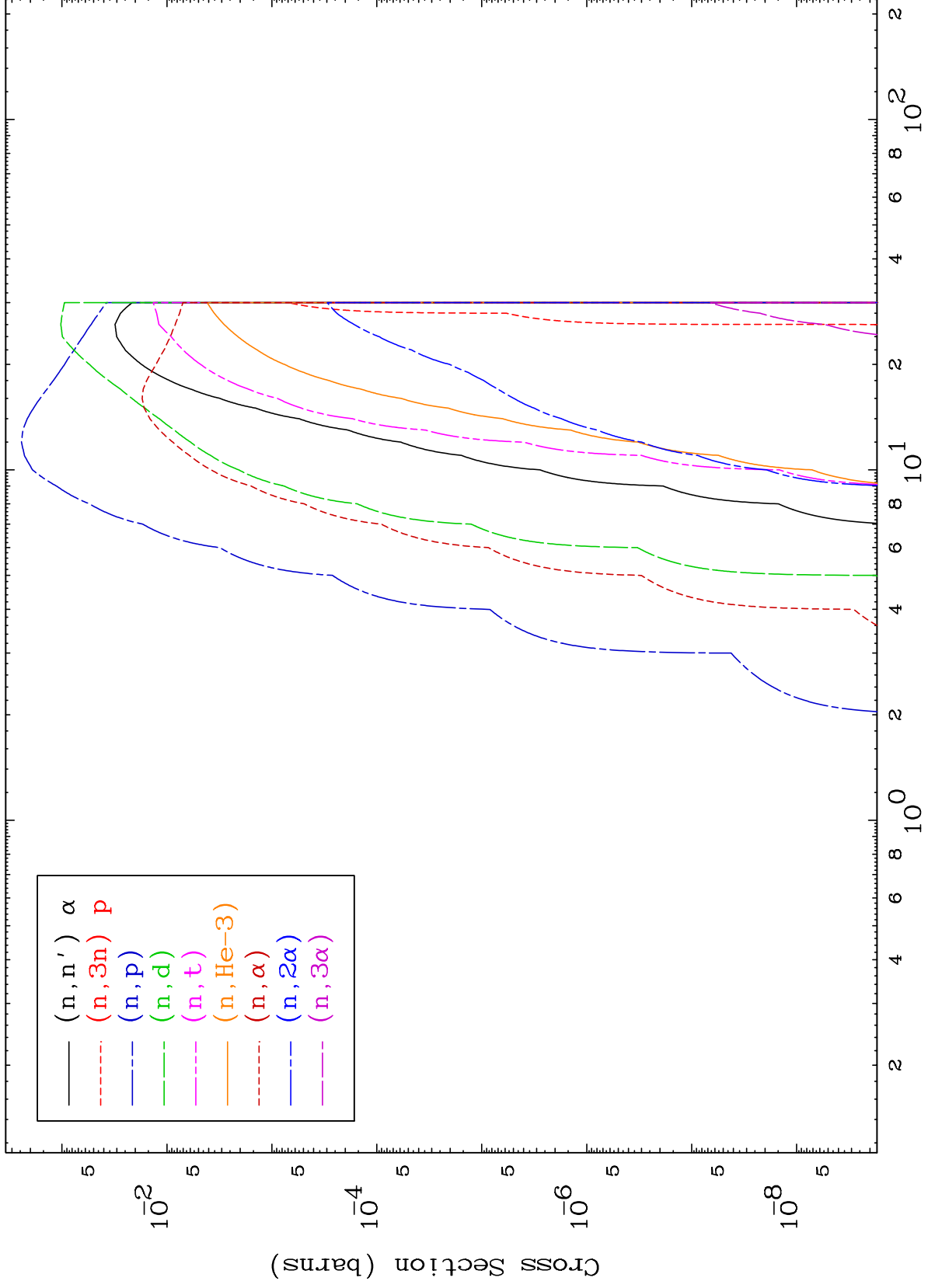


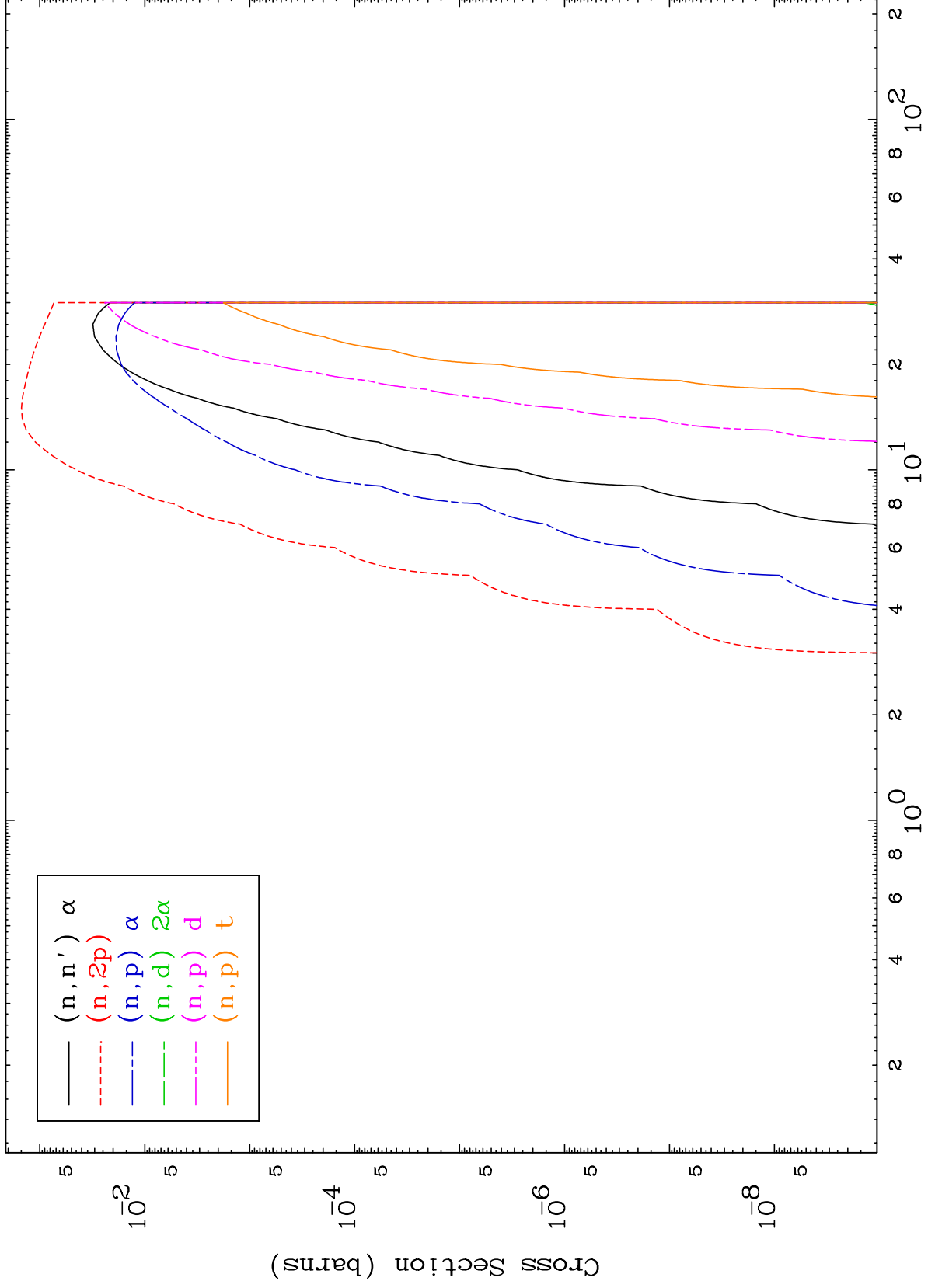
MAT 6398

Deuteron Charged Particle  
0 Kelvin Cross Sections

64-Gd-143



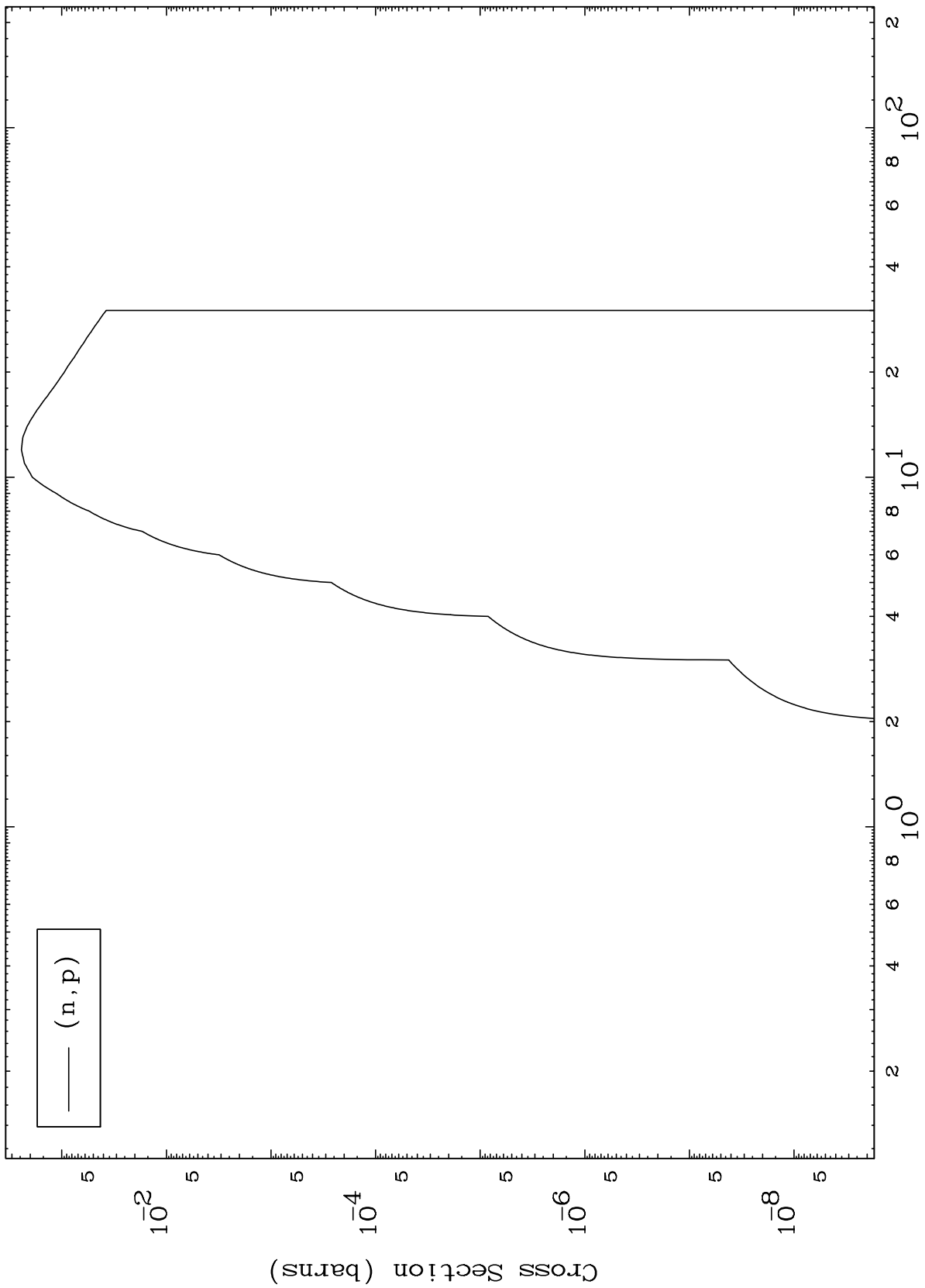




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64-Gd-143

(d,p) Levels  
0 Kelvin Cross Sections

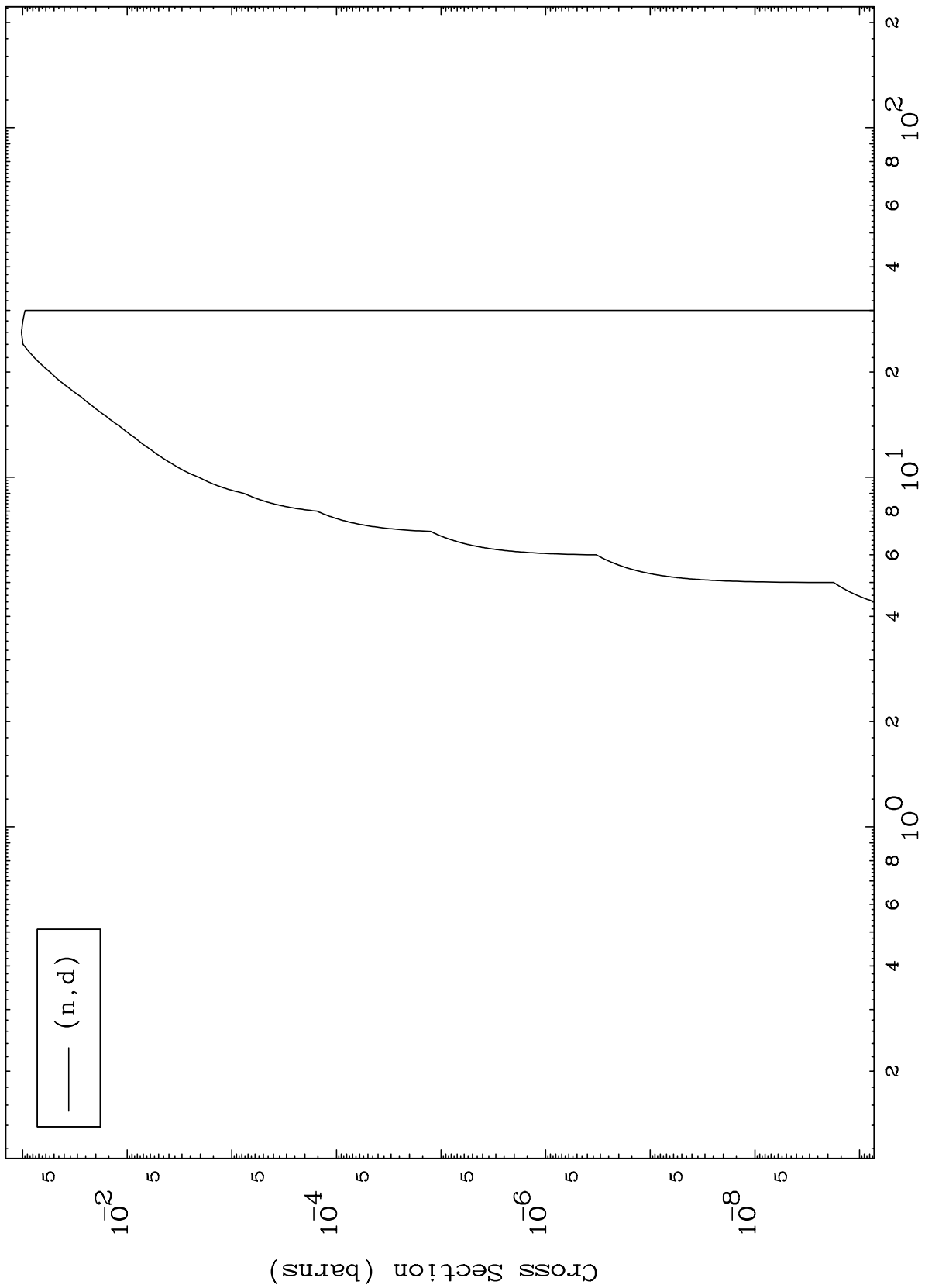


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(d,d) Levels

64-Gd-143

0 Kelvin Cross Sections

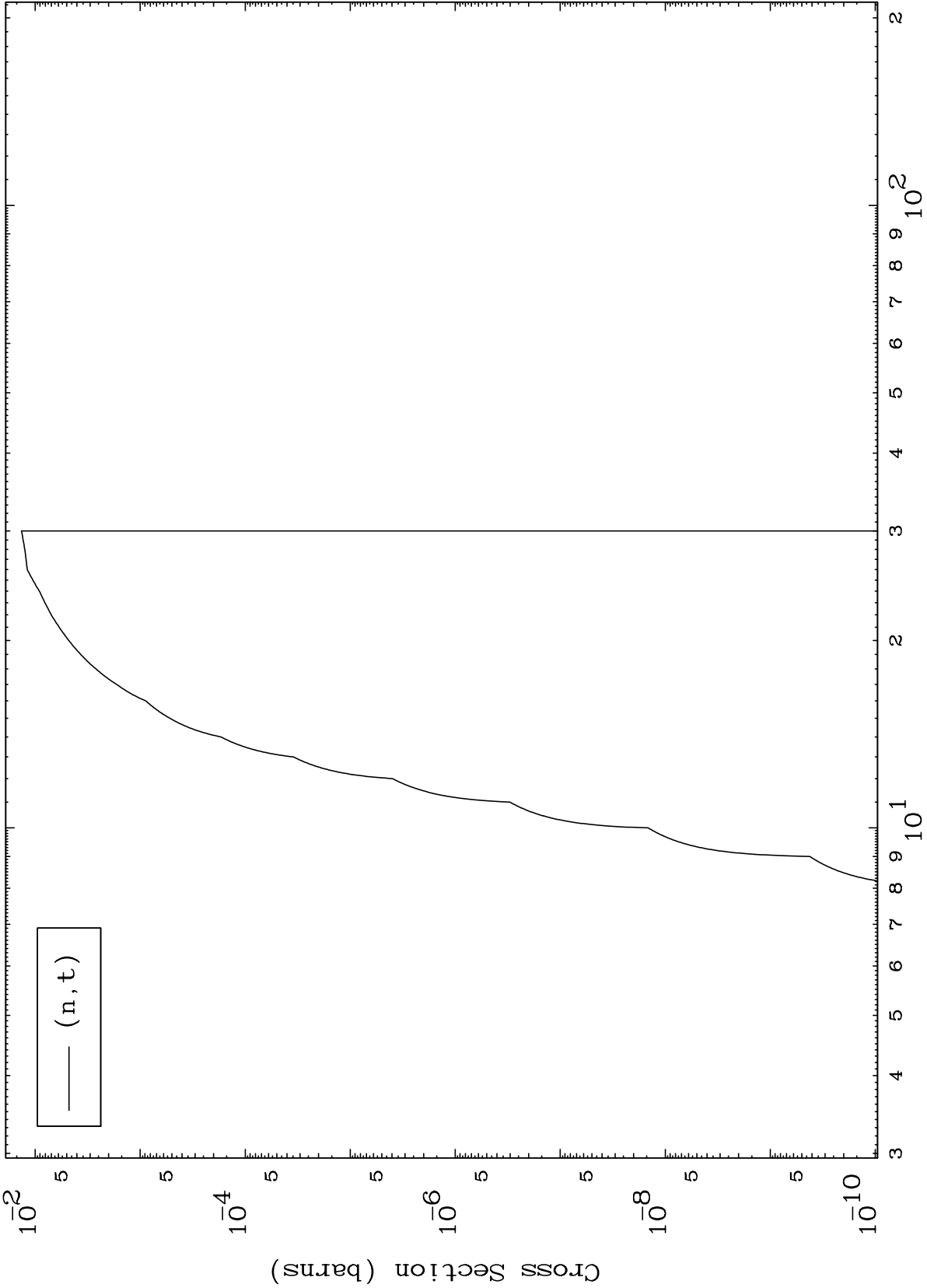


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(d,t) Levels

64-Gd-143

0 Kelvin Cross Sections



Incident Energy (MeV)

64-Gd-143

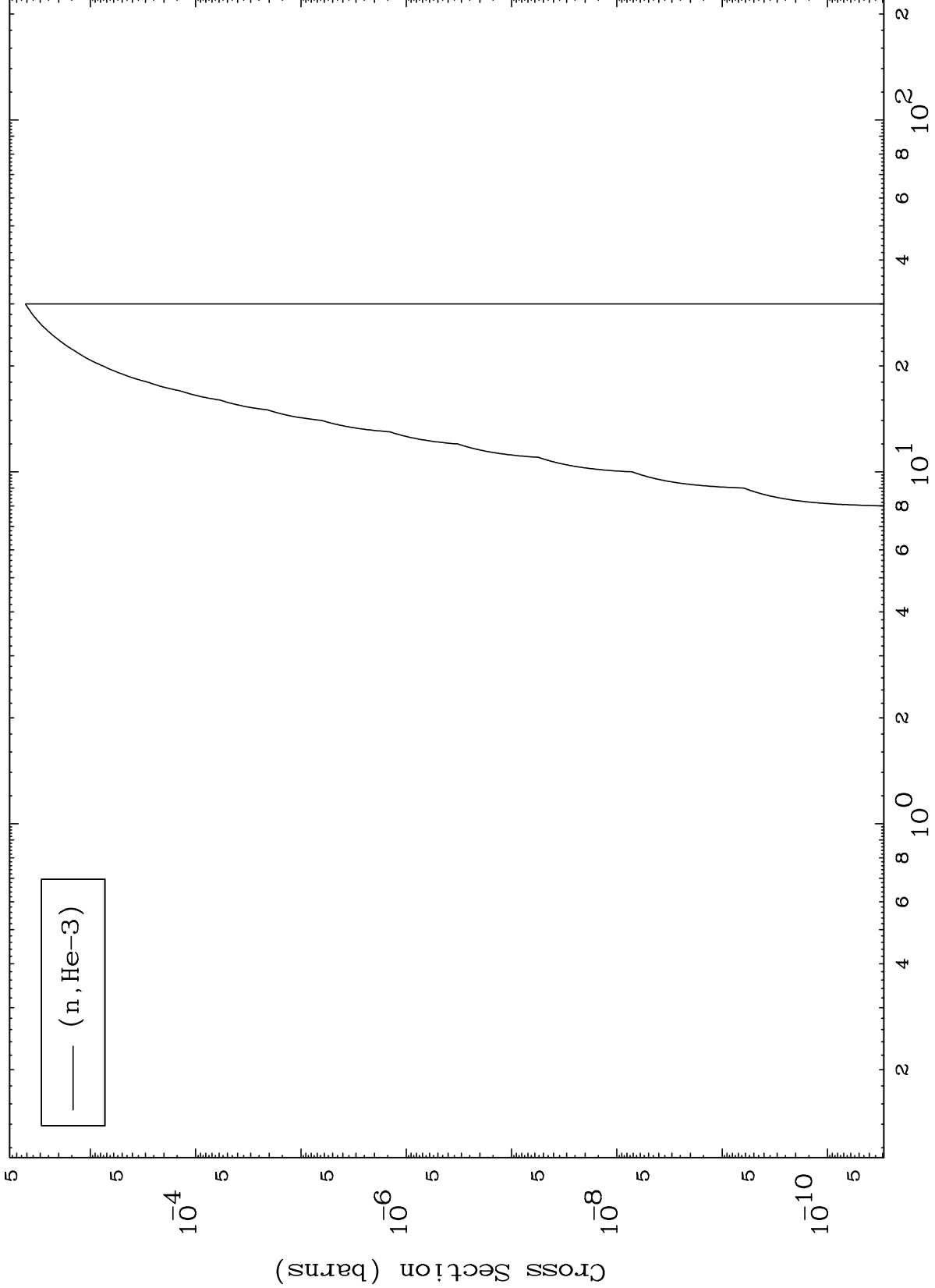
10

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(d,He3) Levels

64-Gd-143

0 Kelvin Cross Sections

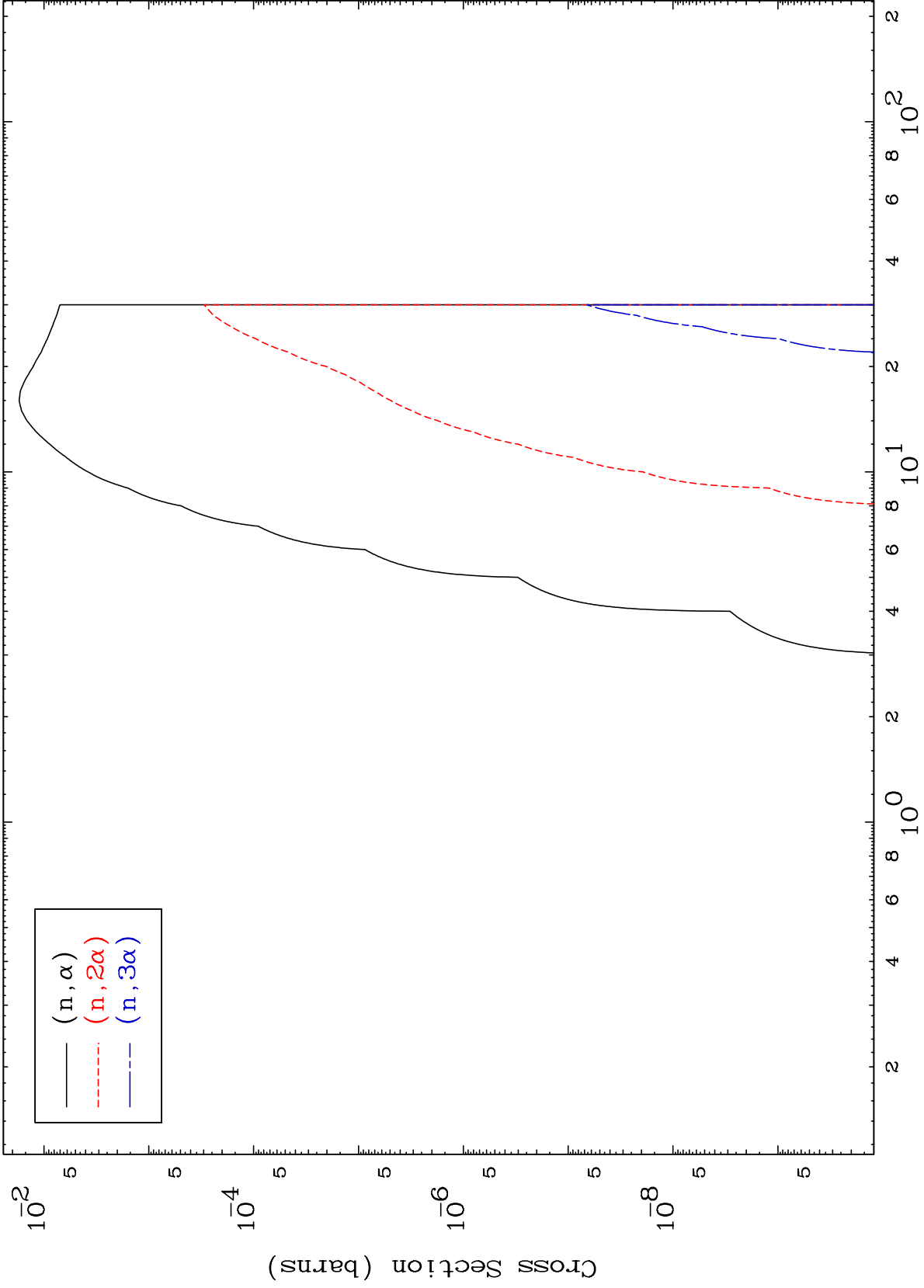


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(d,  $\alpha$ ) Levels

64-Gd-143

0 Kelvin Cross Sections



12

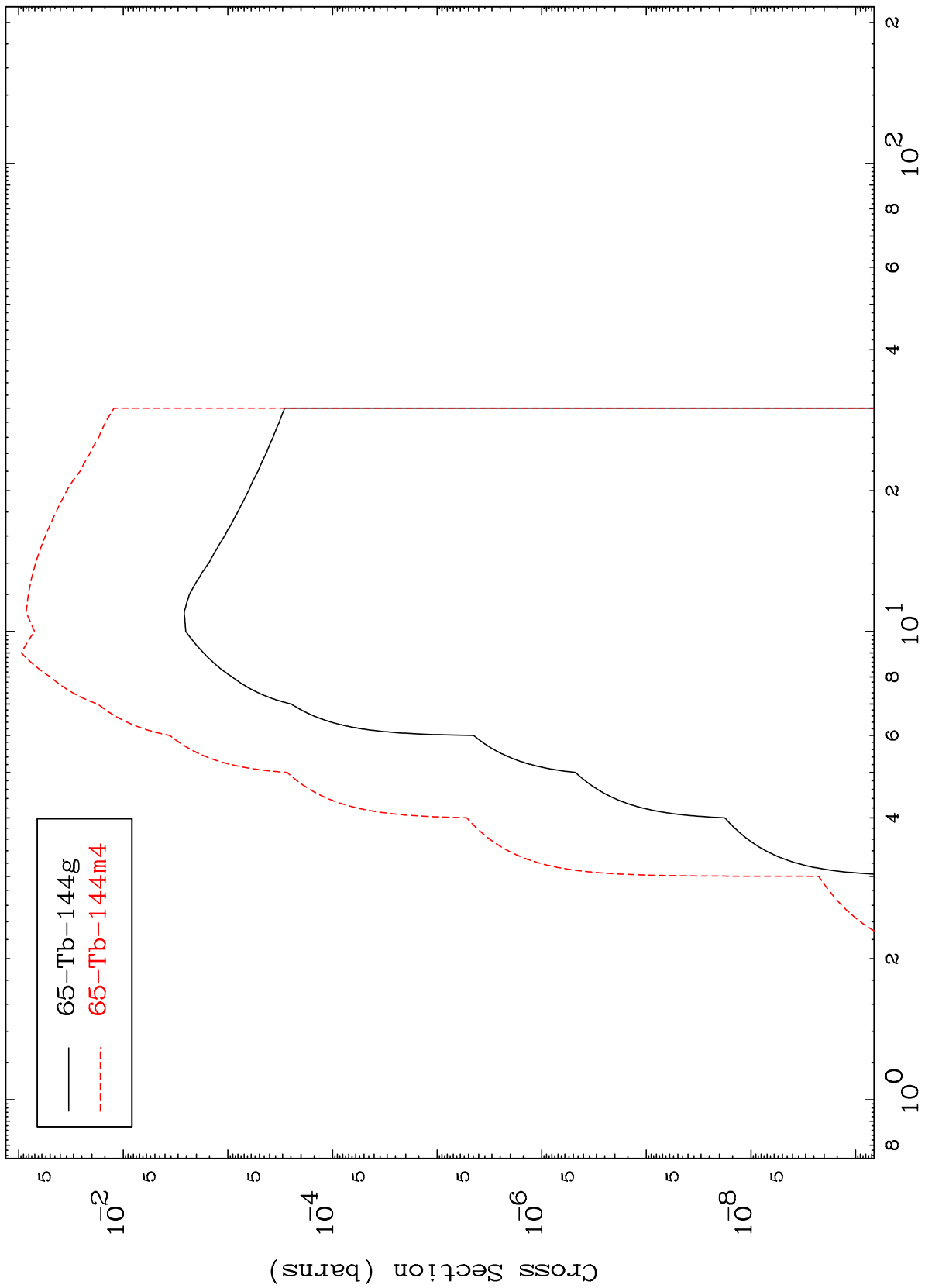
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

Inelastic  
Radionuclide Production Cross Section



13

Incident Energy (MeV)

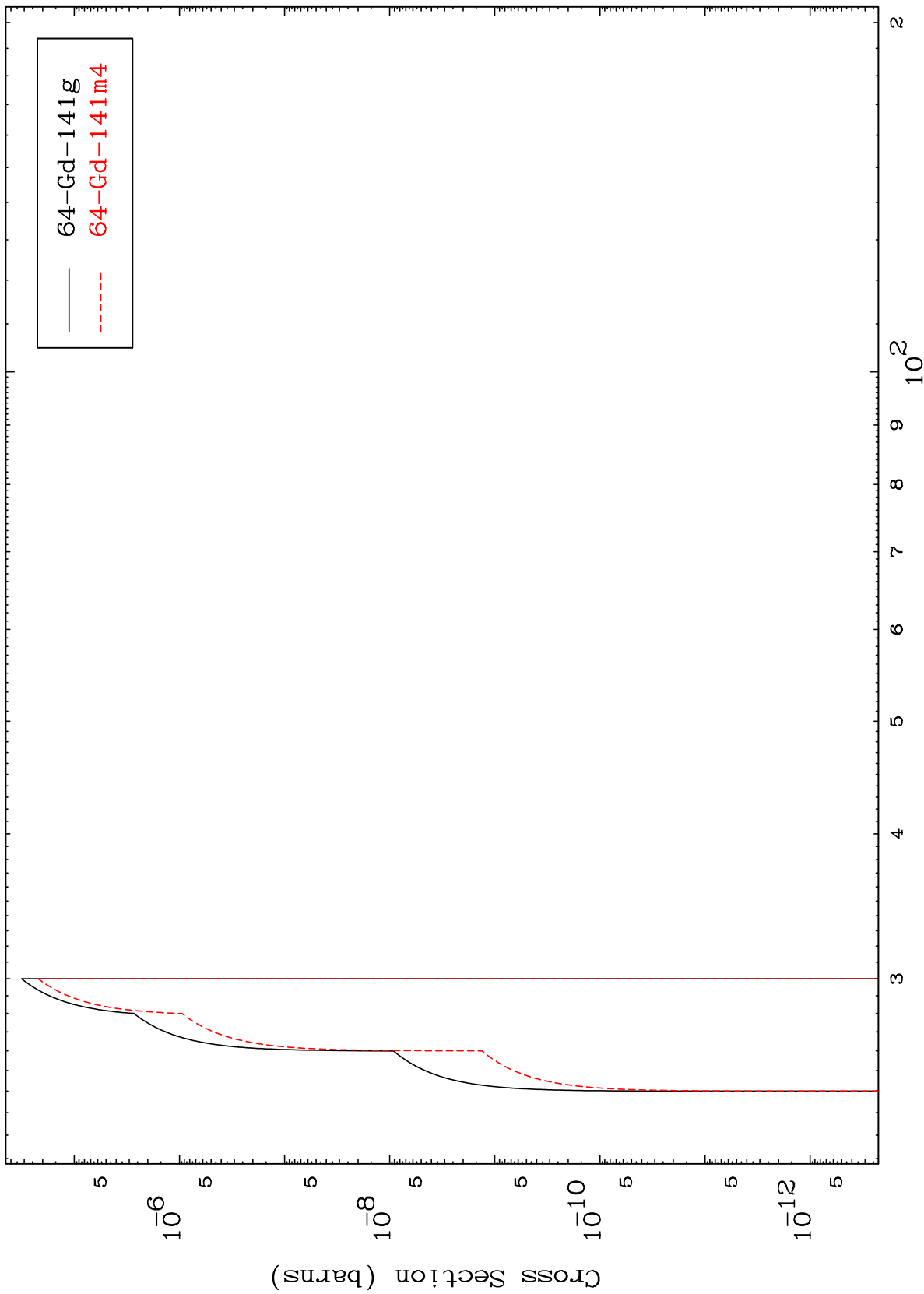
64-Gd-143

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(n,2n) d

64-Gd-143

Radionuclide Production Cross Section



14

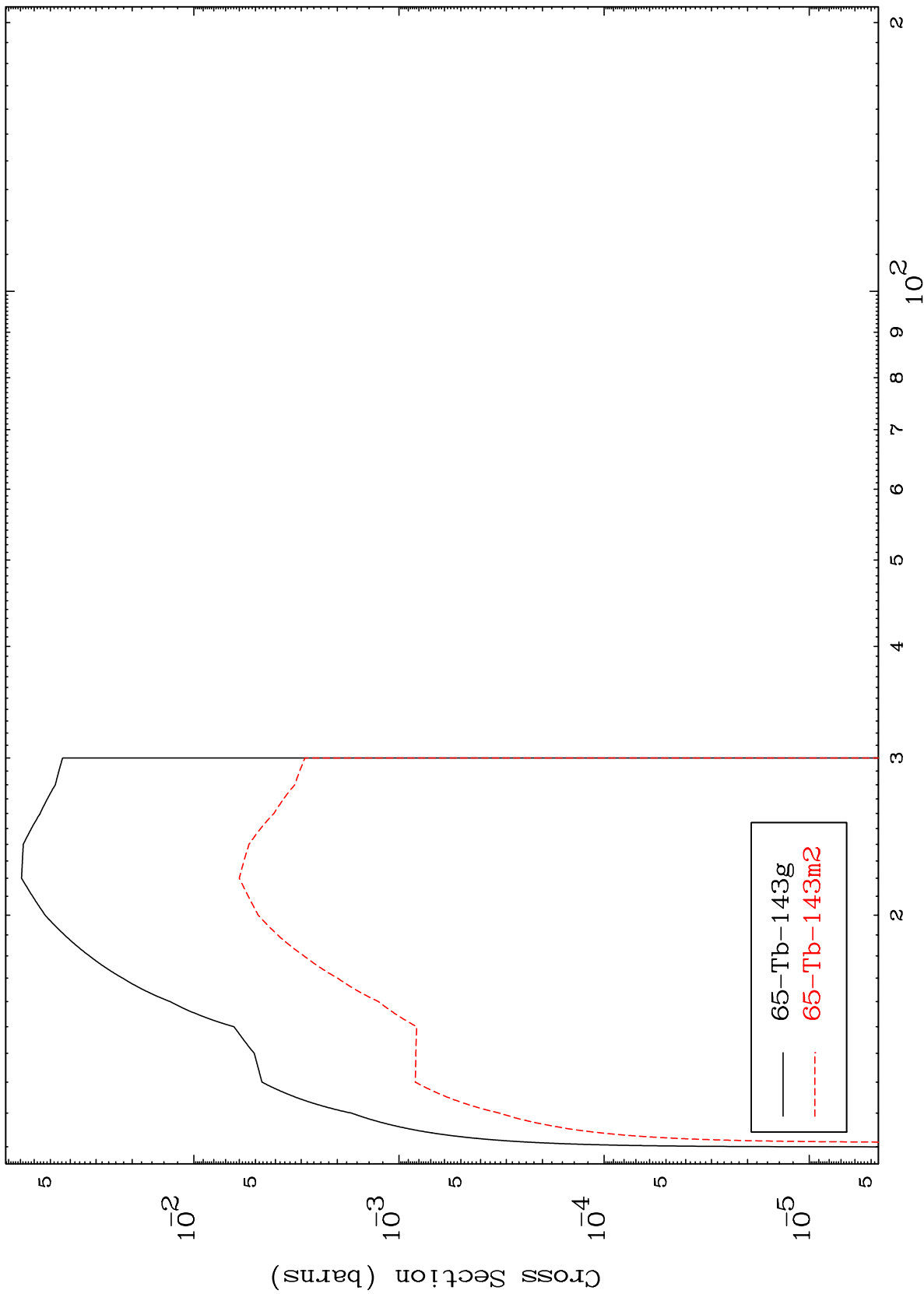
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

(n,2n)  
Radionuclide Production Cross Section



15

Incident Energy (MeV)

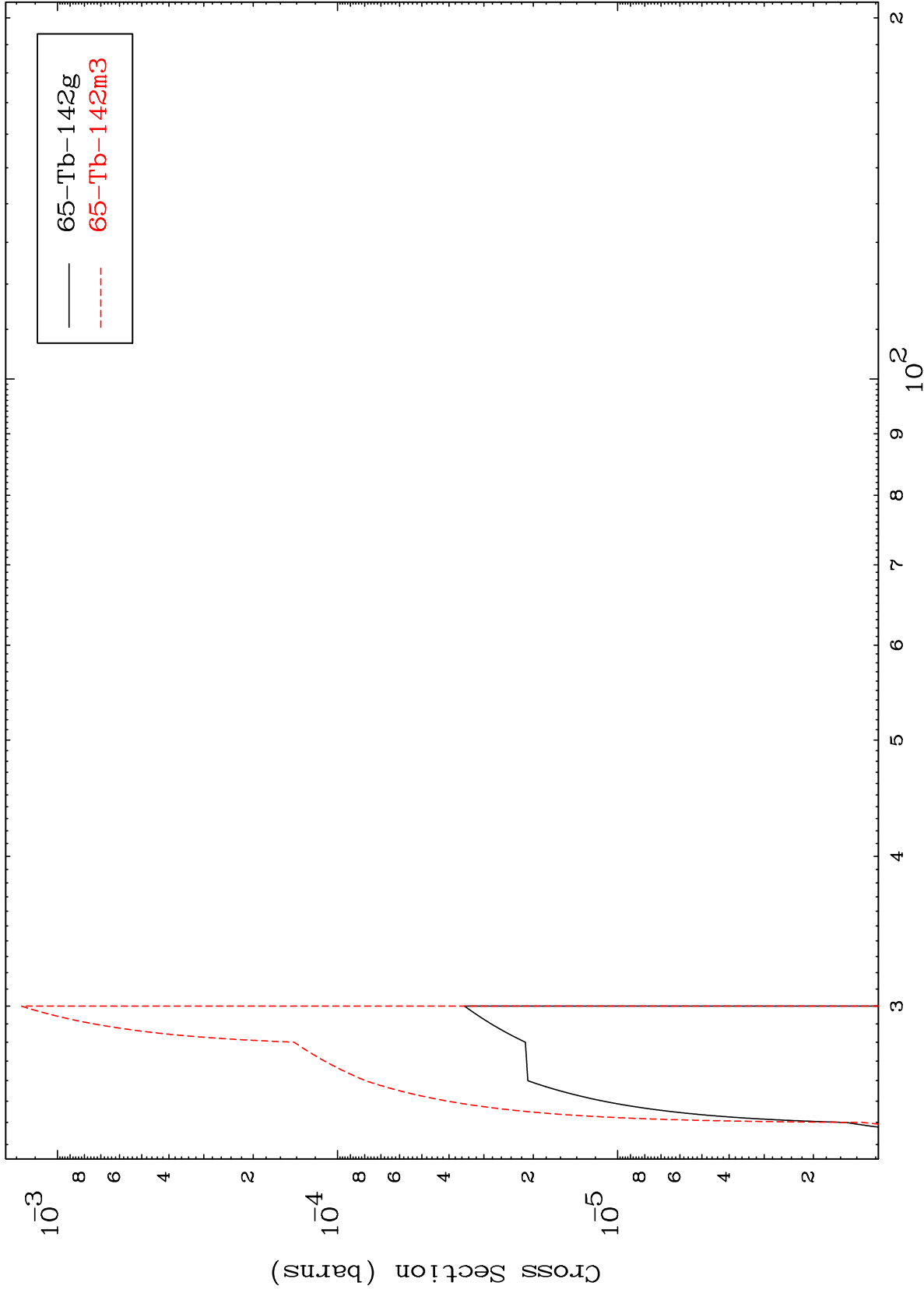
64-Gd-143

MAT 6398

(n,3n)

64-Gd-143

Radionuclide Production Cross Section



16

Incident Energy (MeV)

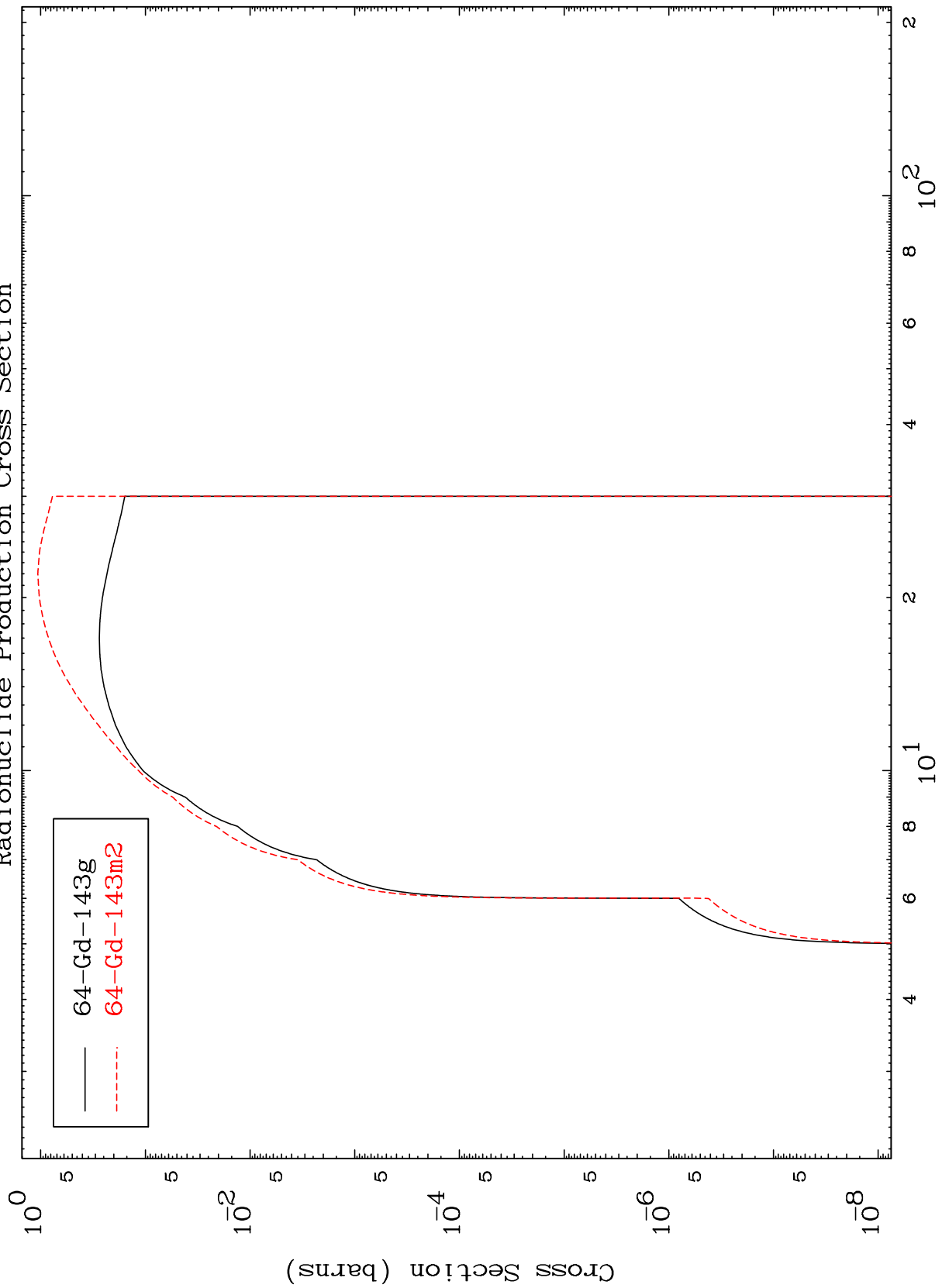
64-Gd-143

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(n,n') p

64-Gd-143

Radionuclide Production Cross Section

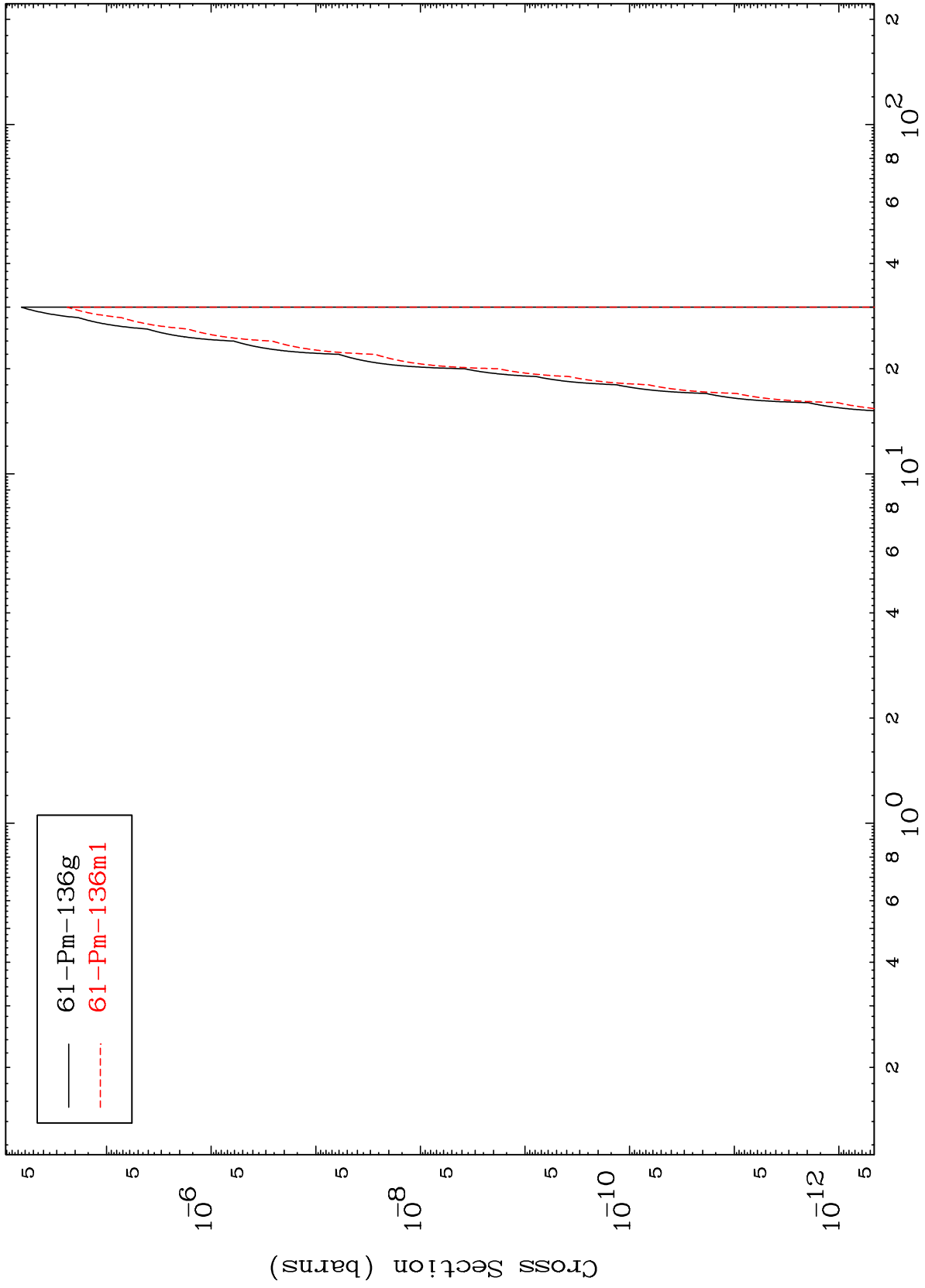


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(n,n') 2α

64-Gd-143

Radionuclide Production Cross Section



18

Incident Energy (MeV)

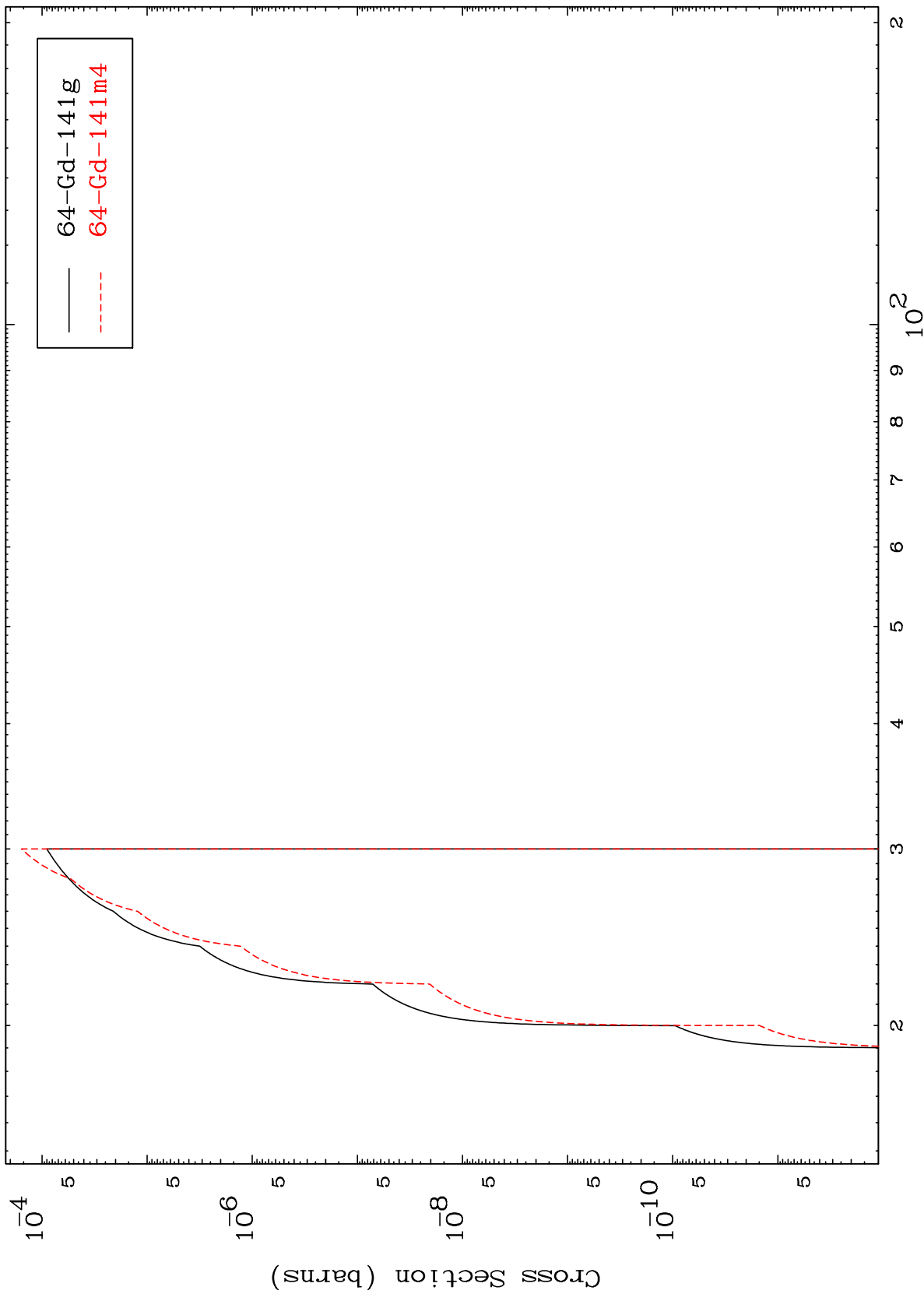
64-Gd-143

MAT 6398

(n,n') t

64-Gd-143

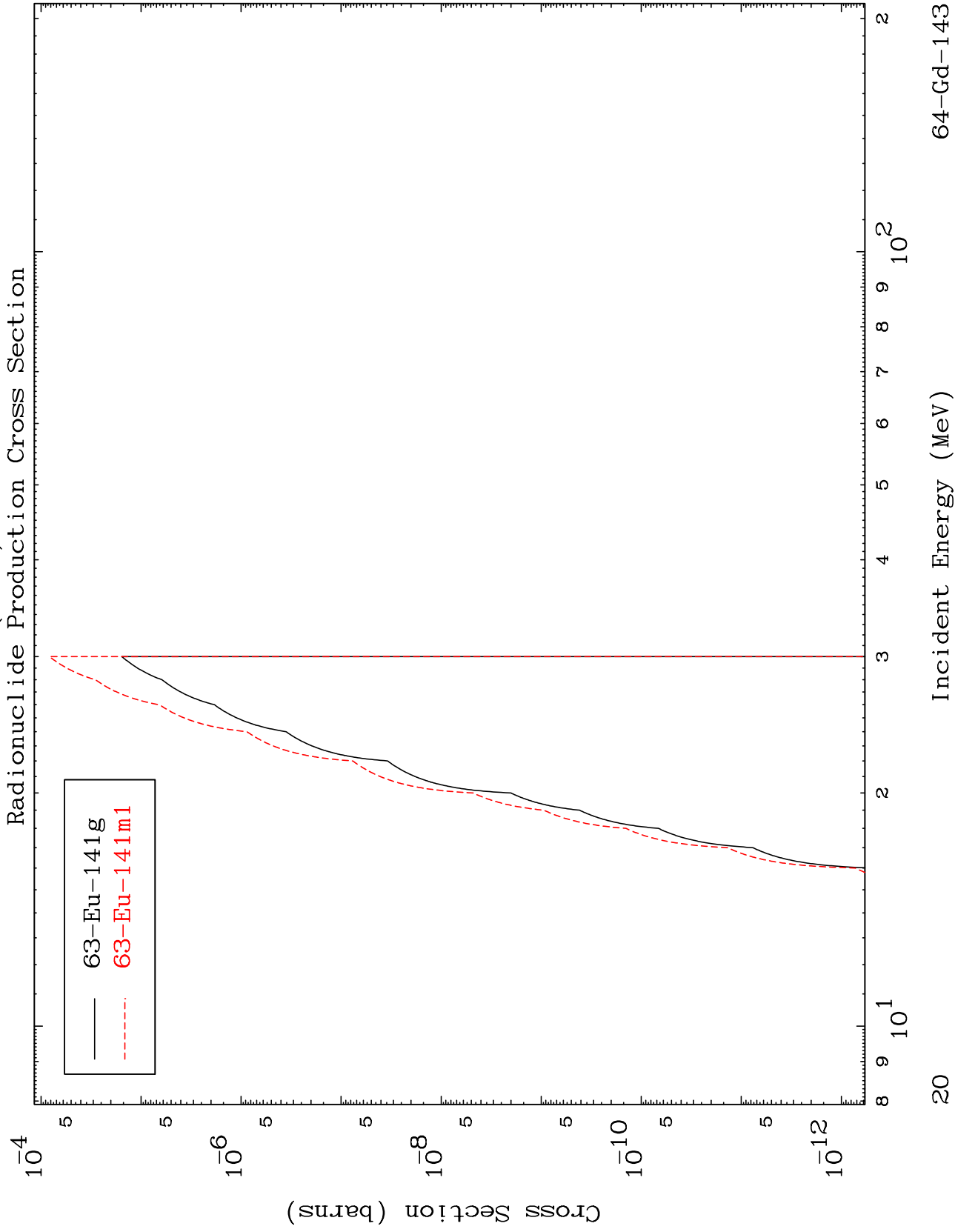
Radionuclide Production Cross Section



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(n,n') He-3

64-Gd-143



20

Incident Energy (MeV)

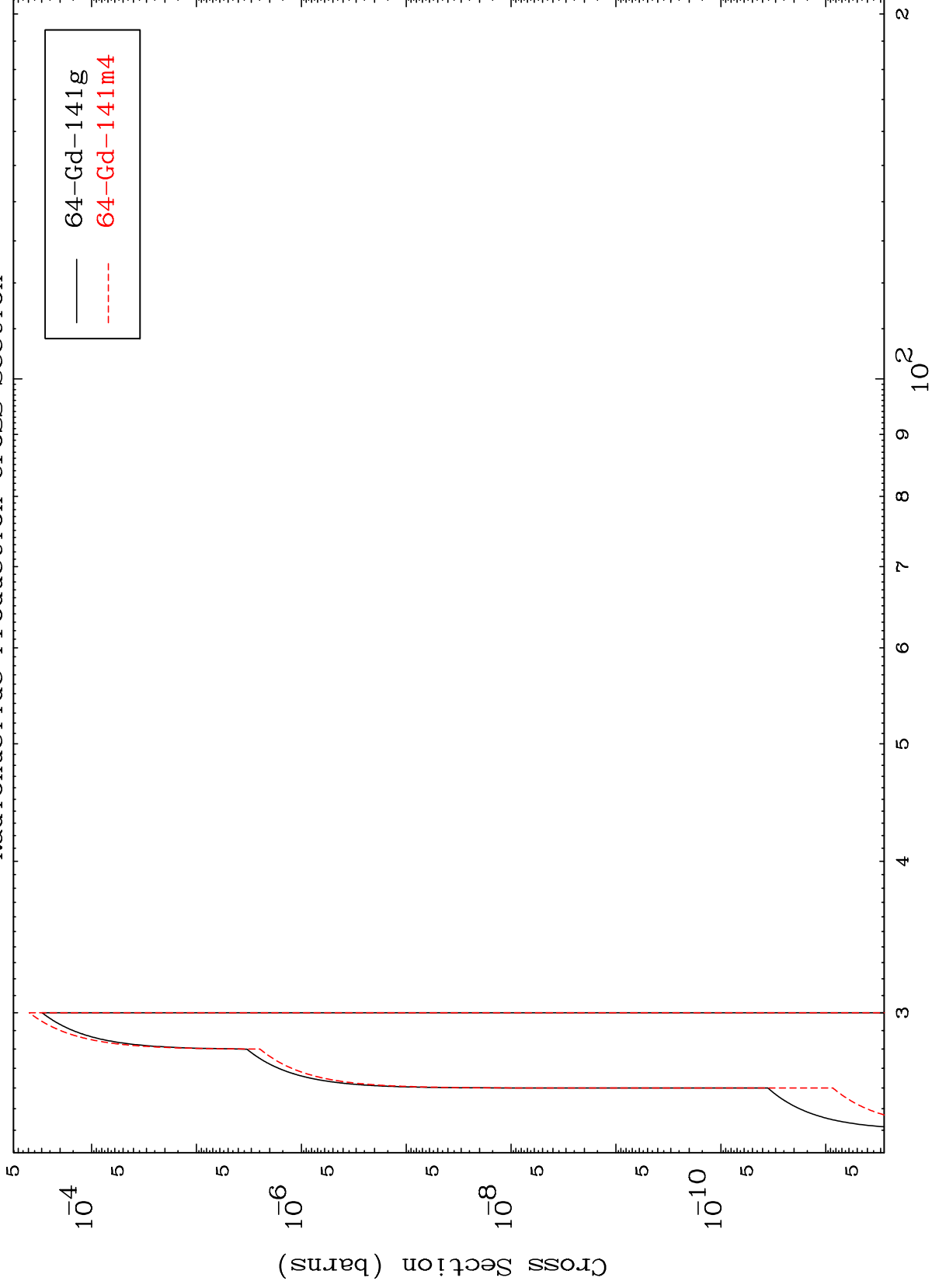
64-Gd-143

MAT 6398

(n,3n) p

64-Gd-143

Radionuclide Production Cross Section



21

Incident Energy (MeV)

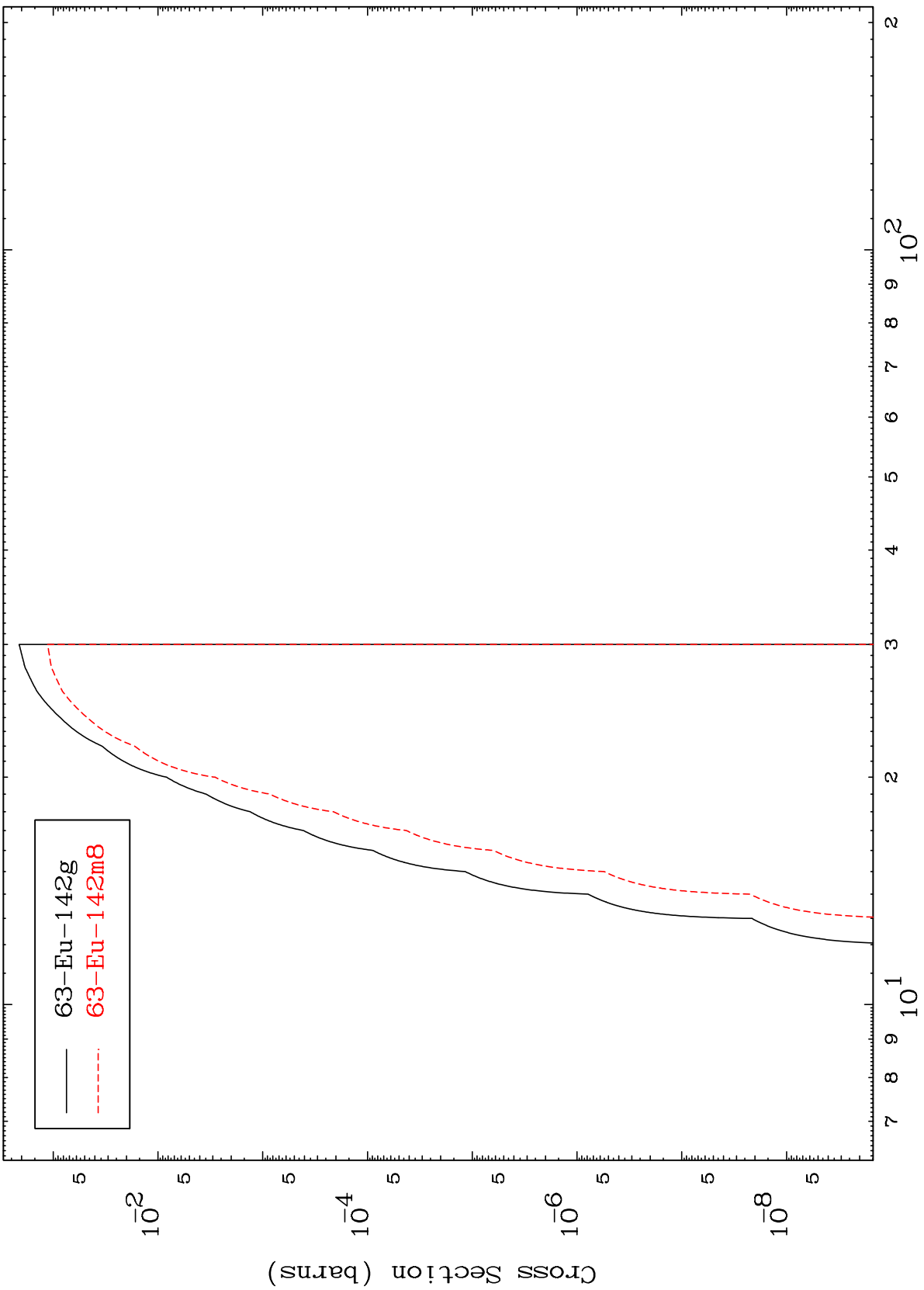
64-Gd-143

MAT 6398

(n,2n) p

64-Gd-143

Radionuclide Production Cross Section



22

Incident Energy (MeV)

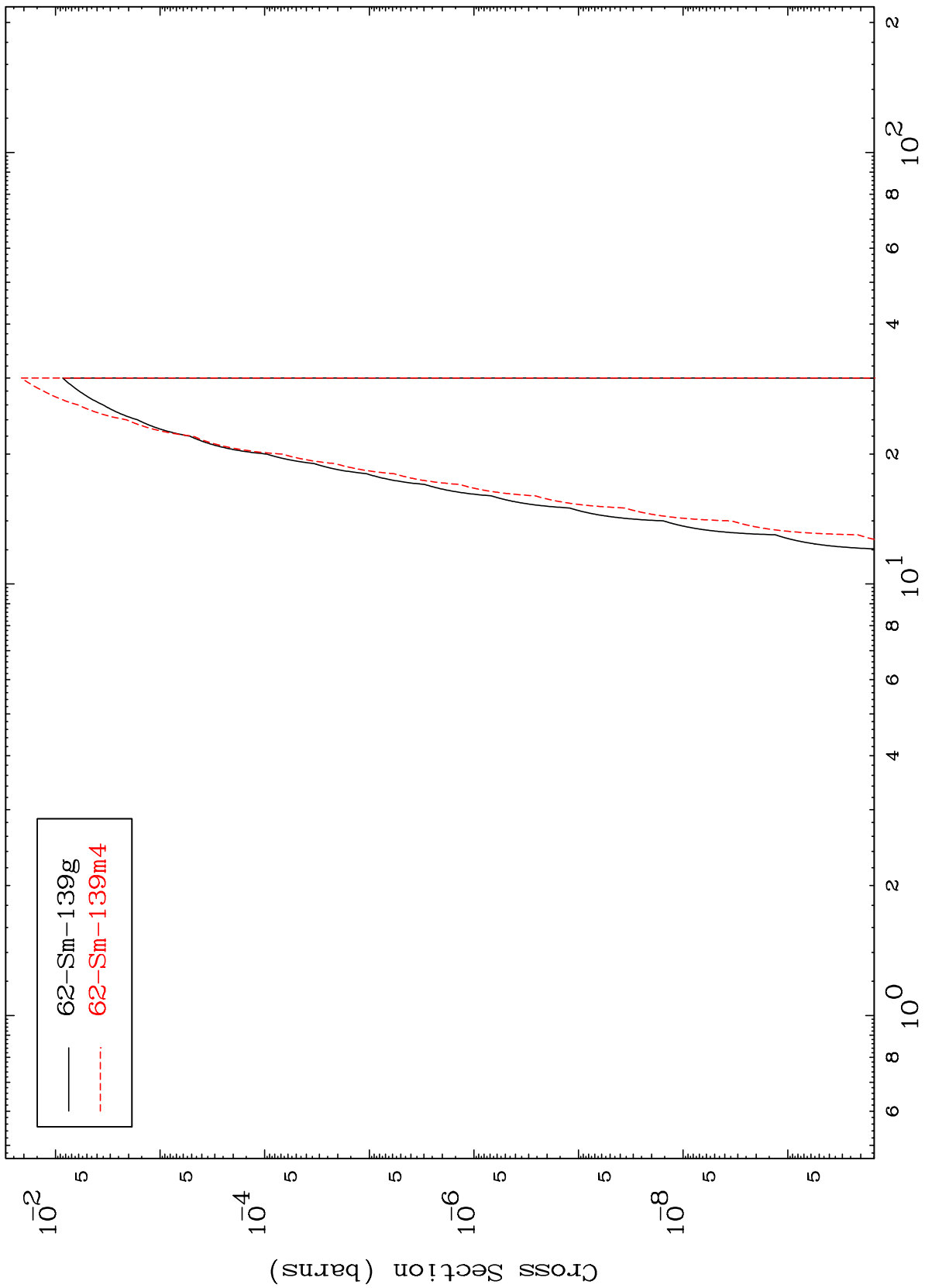
64-Gd-143

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(n,n') p  $\alpha$

64-Gd-143

Radionuclide Production Cross Section



62-Sm-139g  
62-Sm-139m4

23

Incident Energy (MeV)

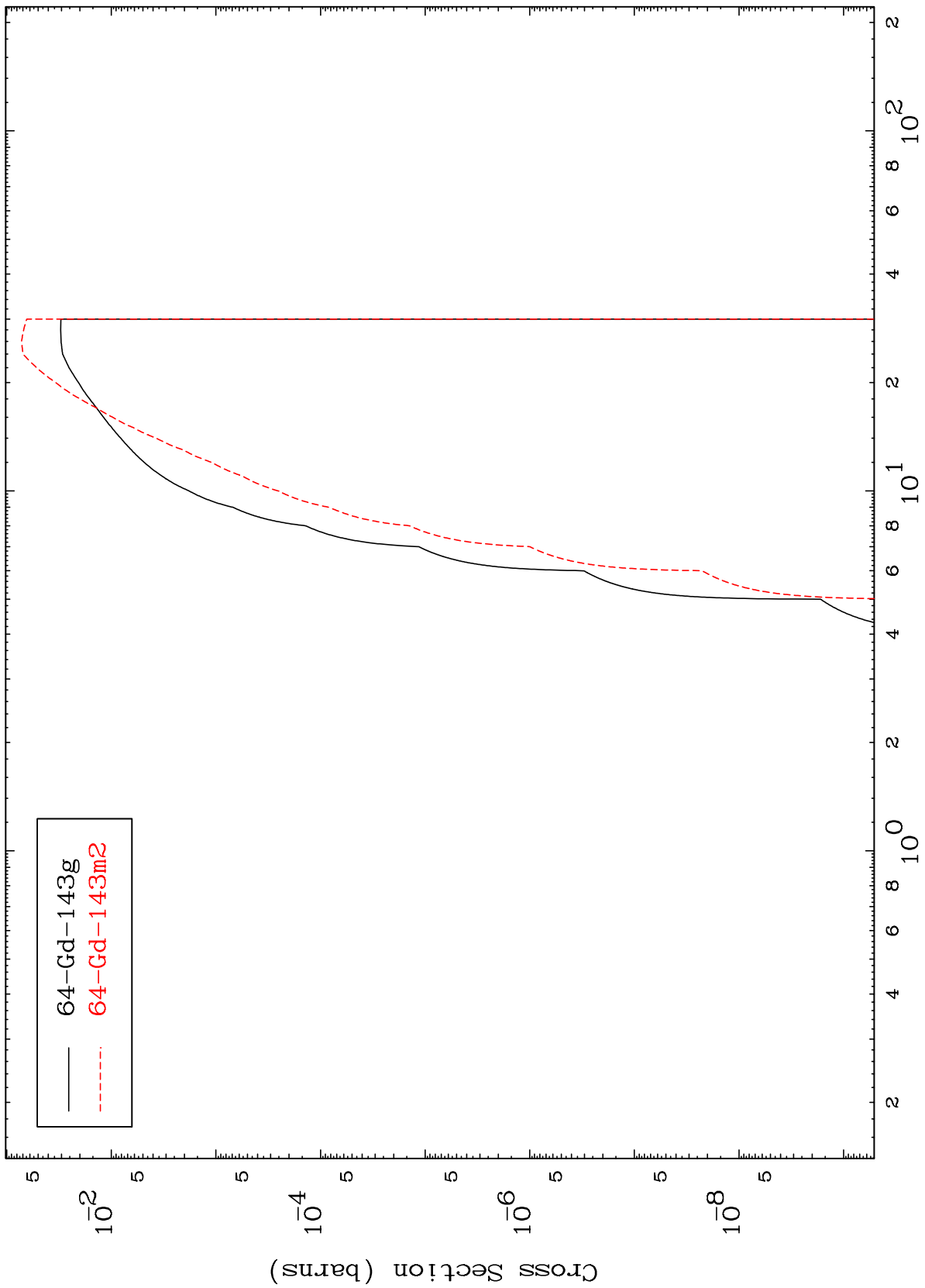
64-Gd-143

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(n,d)

64-Gd-143

Radionuclide Production Cross Section



24

Incident Energy (MeV)

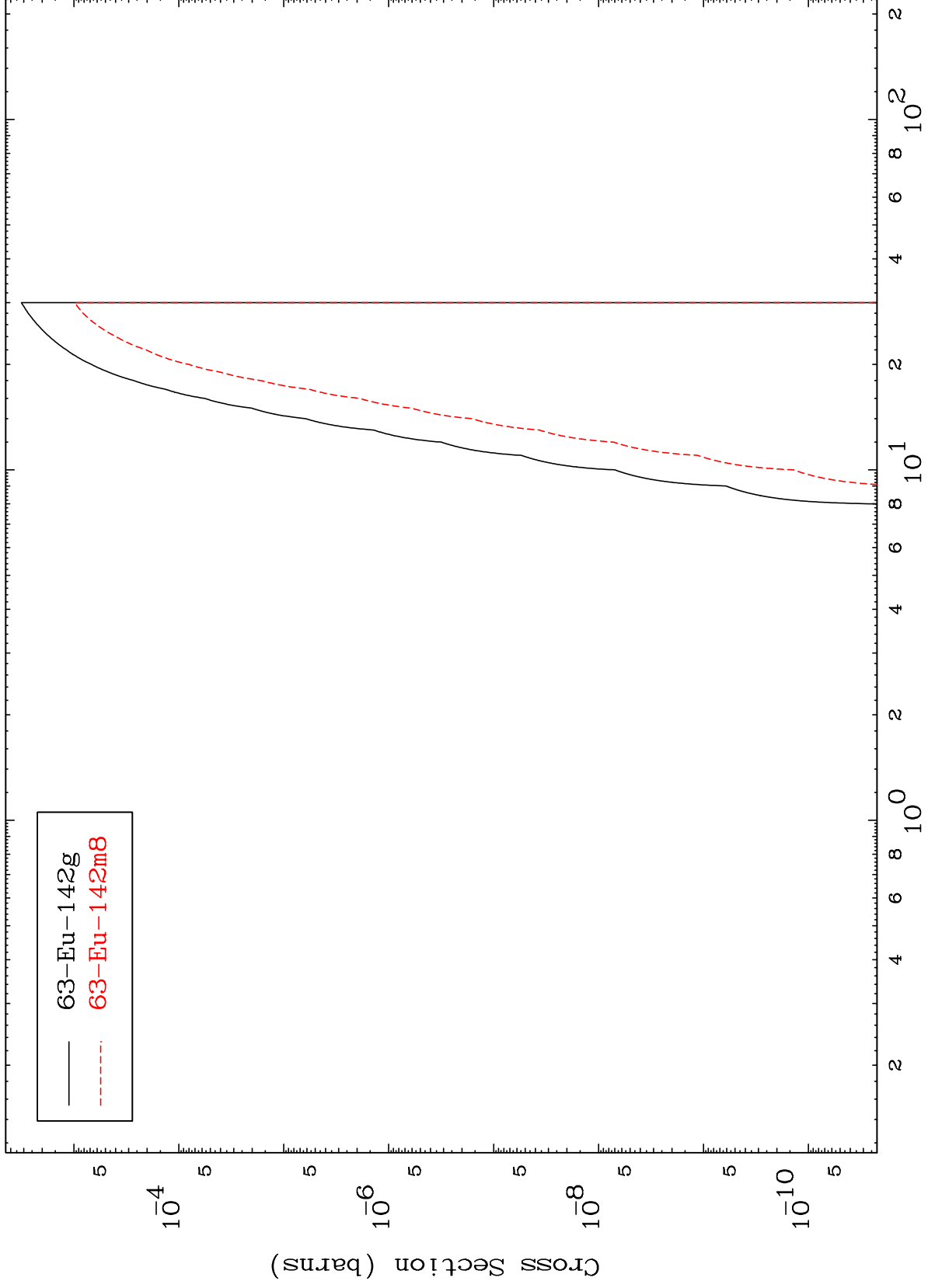
64-Gd-143

MAT 6398

(n,He-3)

64-Gd-143

Radionuclide Production Cross Section



25

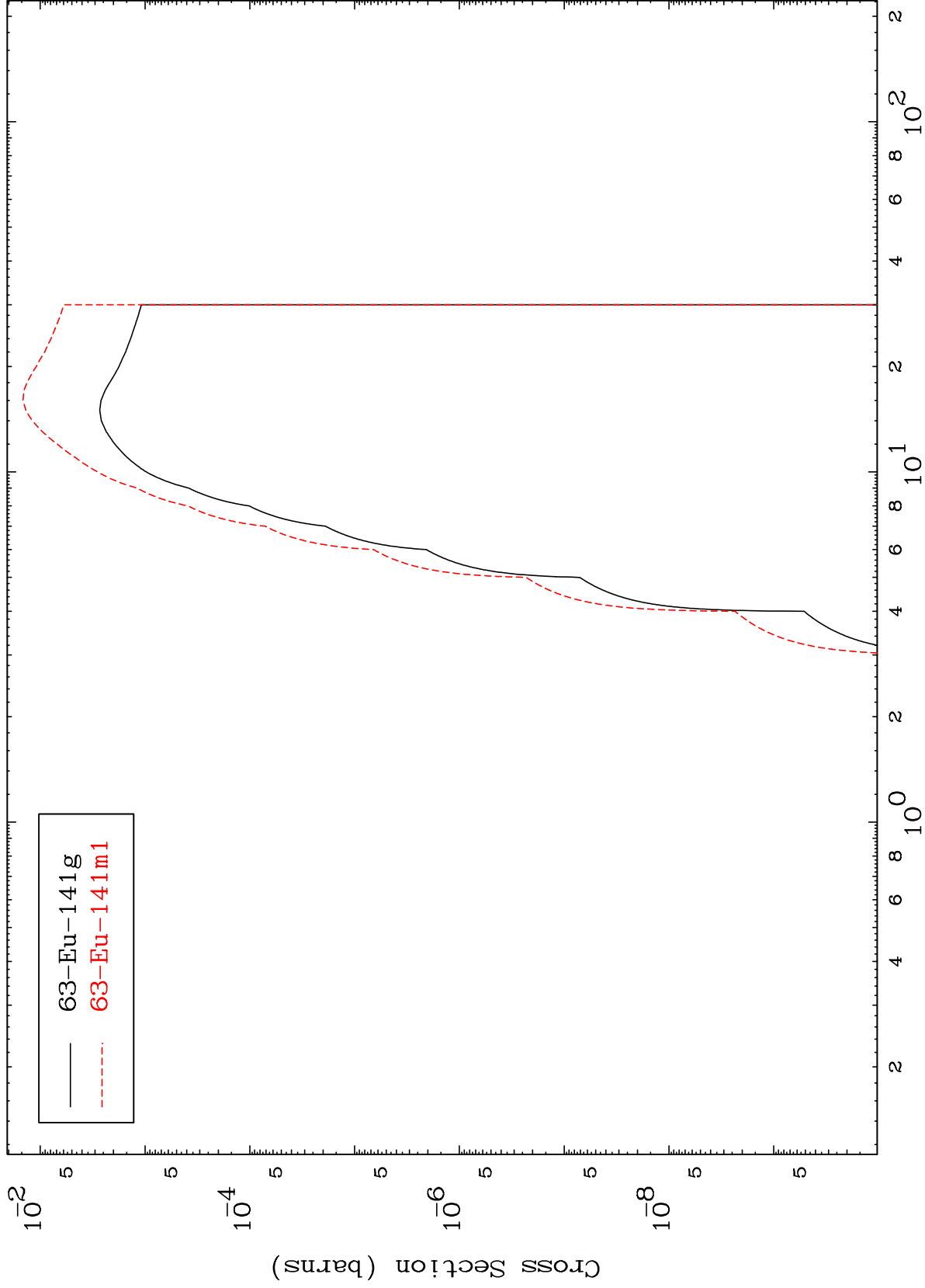
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

(n,  $\alpha$ )  
Radionuclide Production Cross Section



26

64-Gd-143

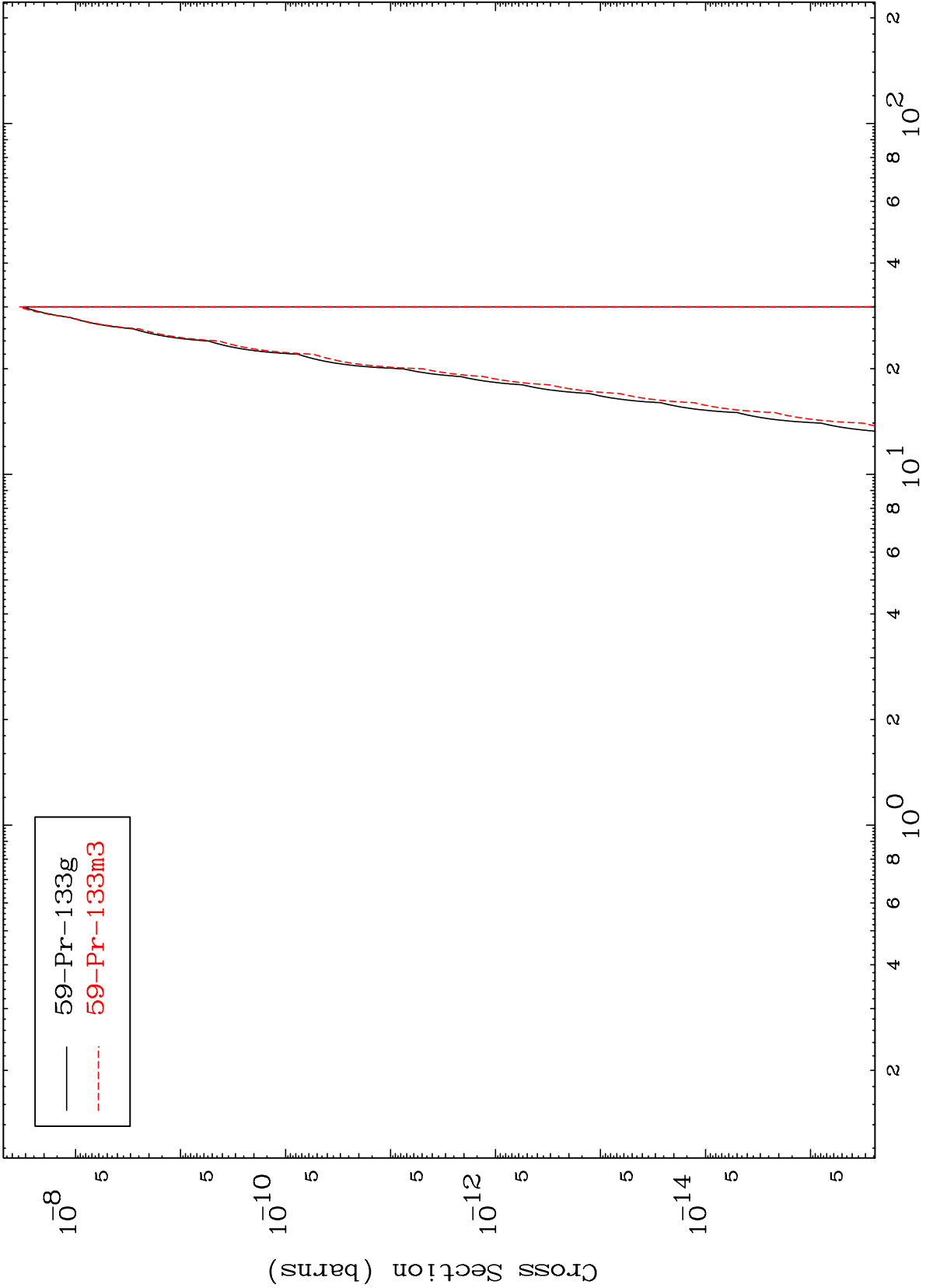
Incident Energy (MeV)

MAT 6398

(n, 3α)

64-Gd-143

Radionuclide Production Cross Section

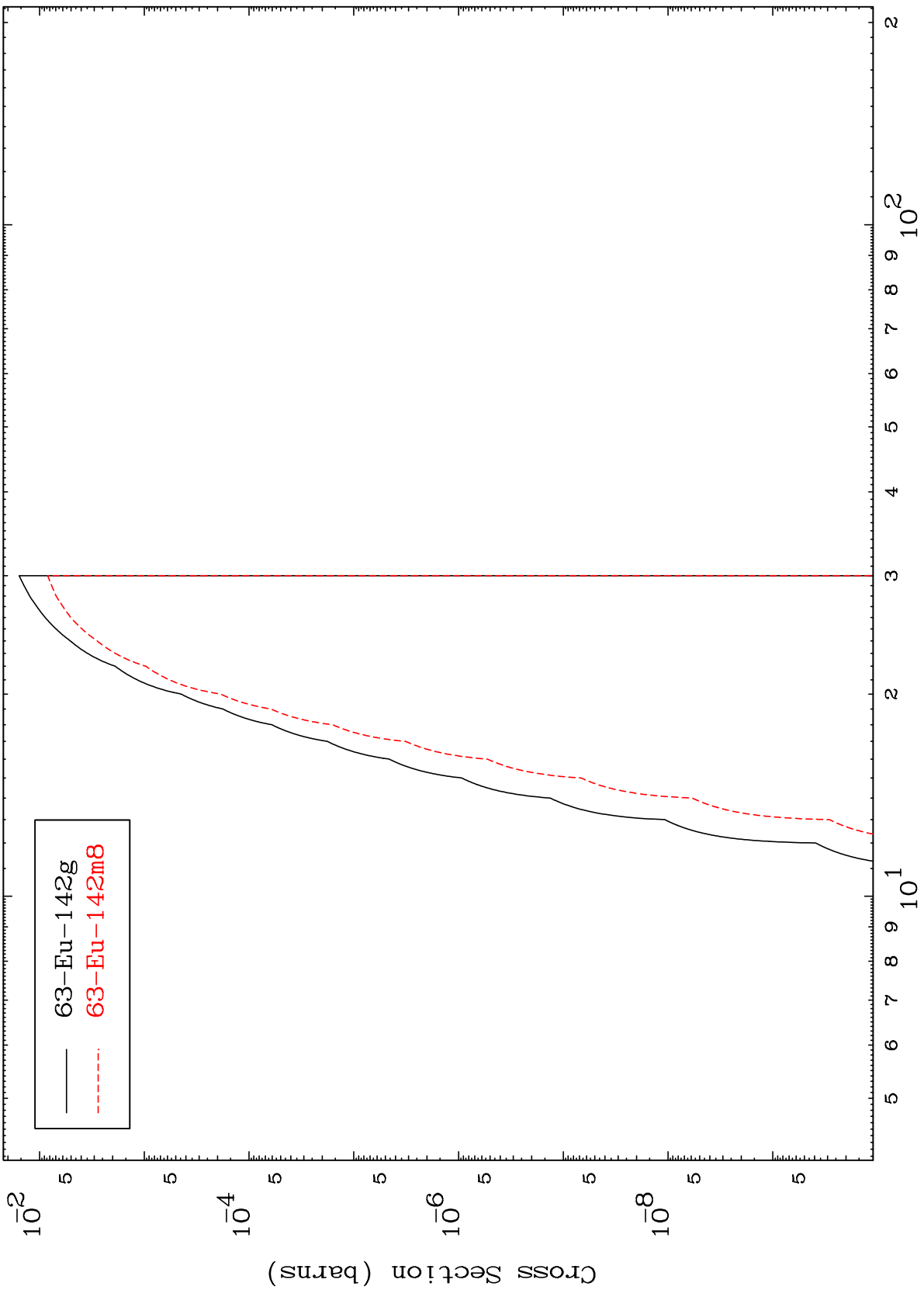


MAT 6398

(n,p) d

64-Gd-143

Radionuclide Production Cross Section



28

Incident Energy (MeV)

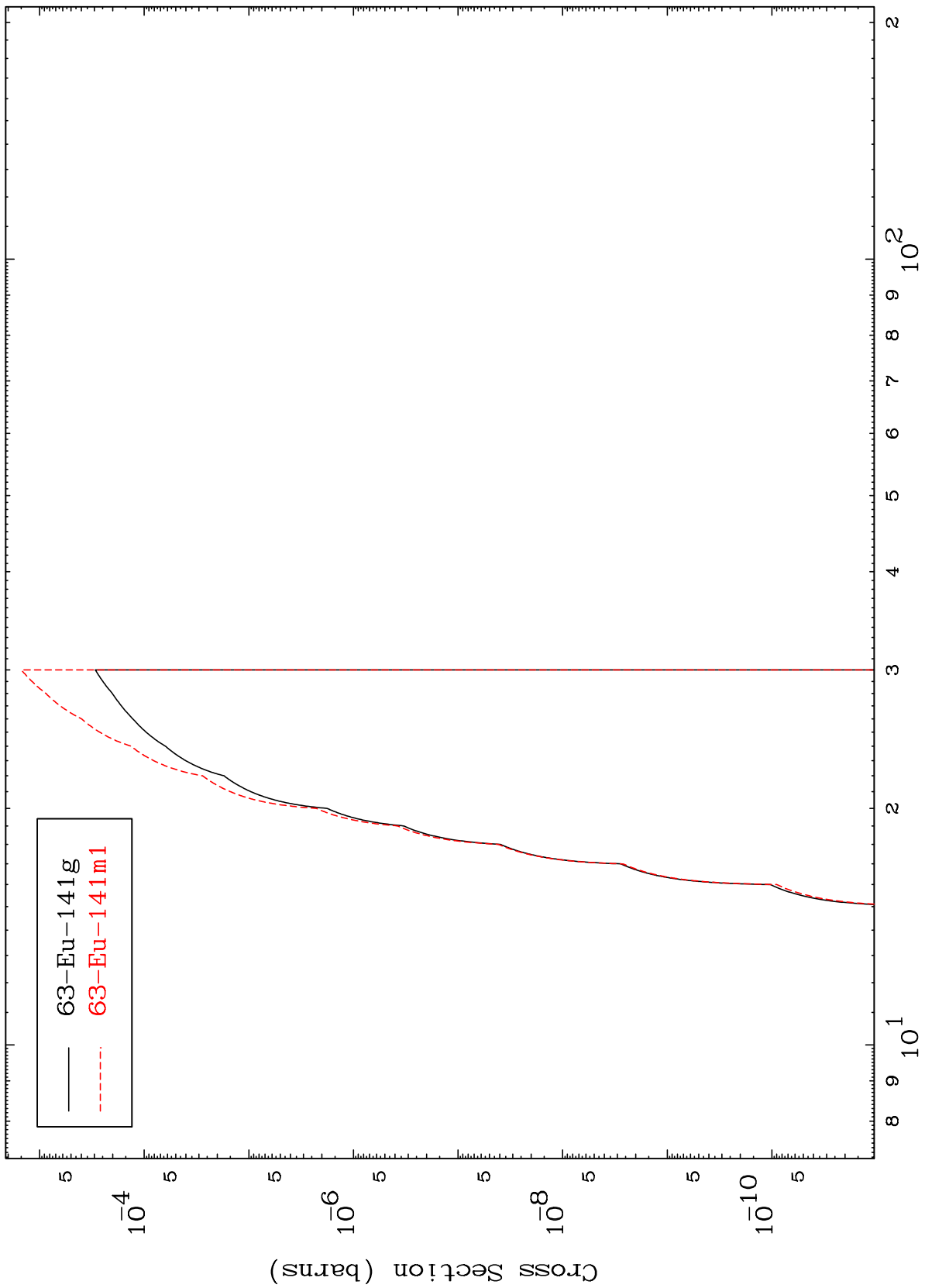
64-Gd-143

MAT 6398

(n,p) t

64-Gd-143

Radionuclide Production Cross Section



29

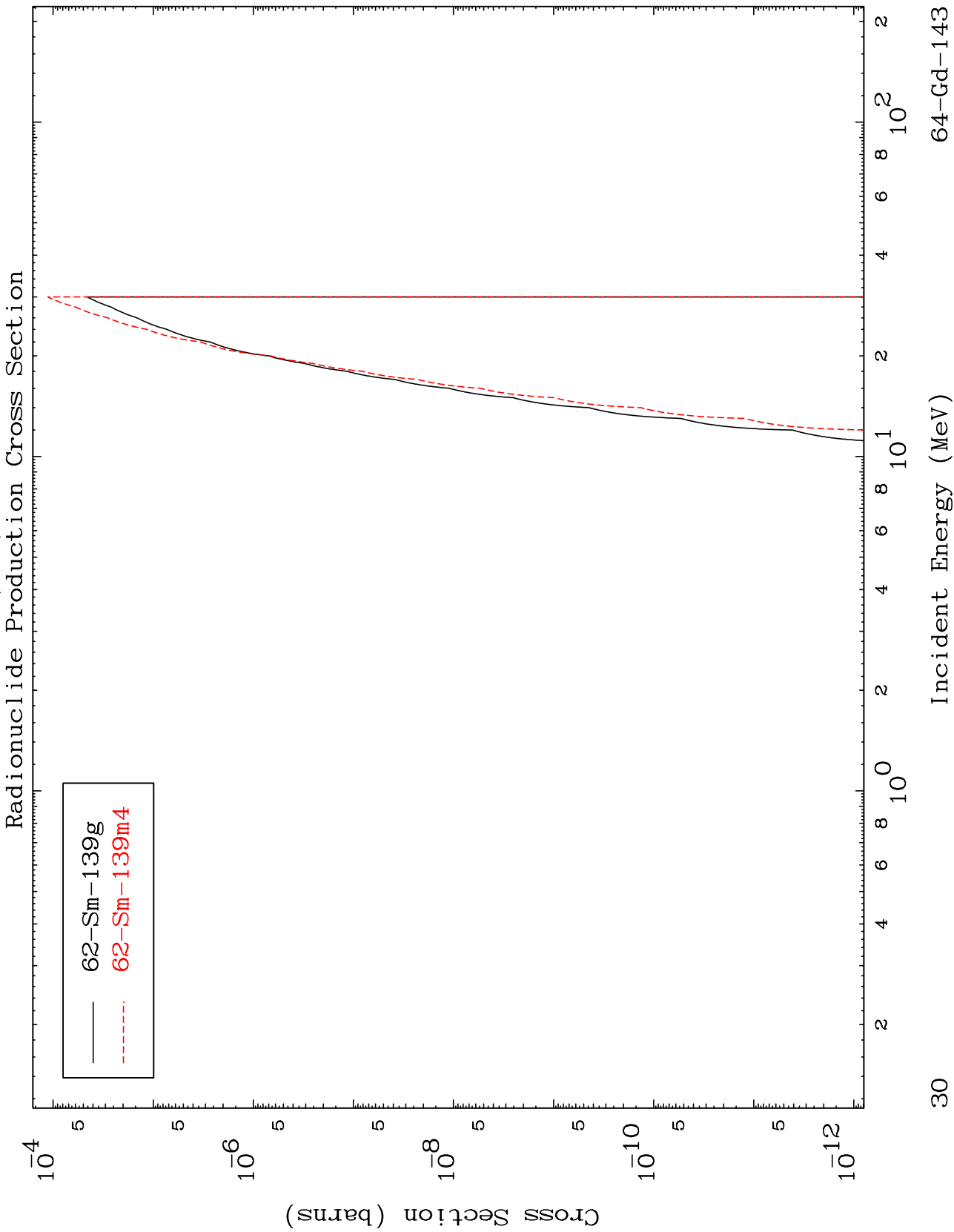
Incident Energy (MeV)

64-Gd-143

MAT 6398

(n,d)  $\alpha$

64-Gd-143



30

64-Gd-143