

Program EVALPLOT  
(Version 2018-1)

by

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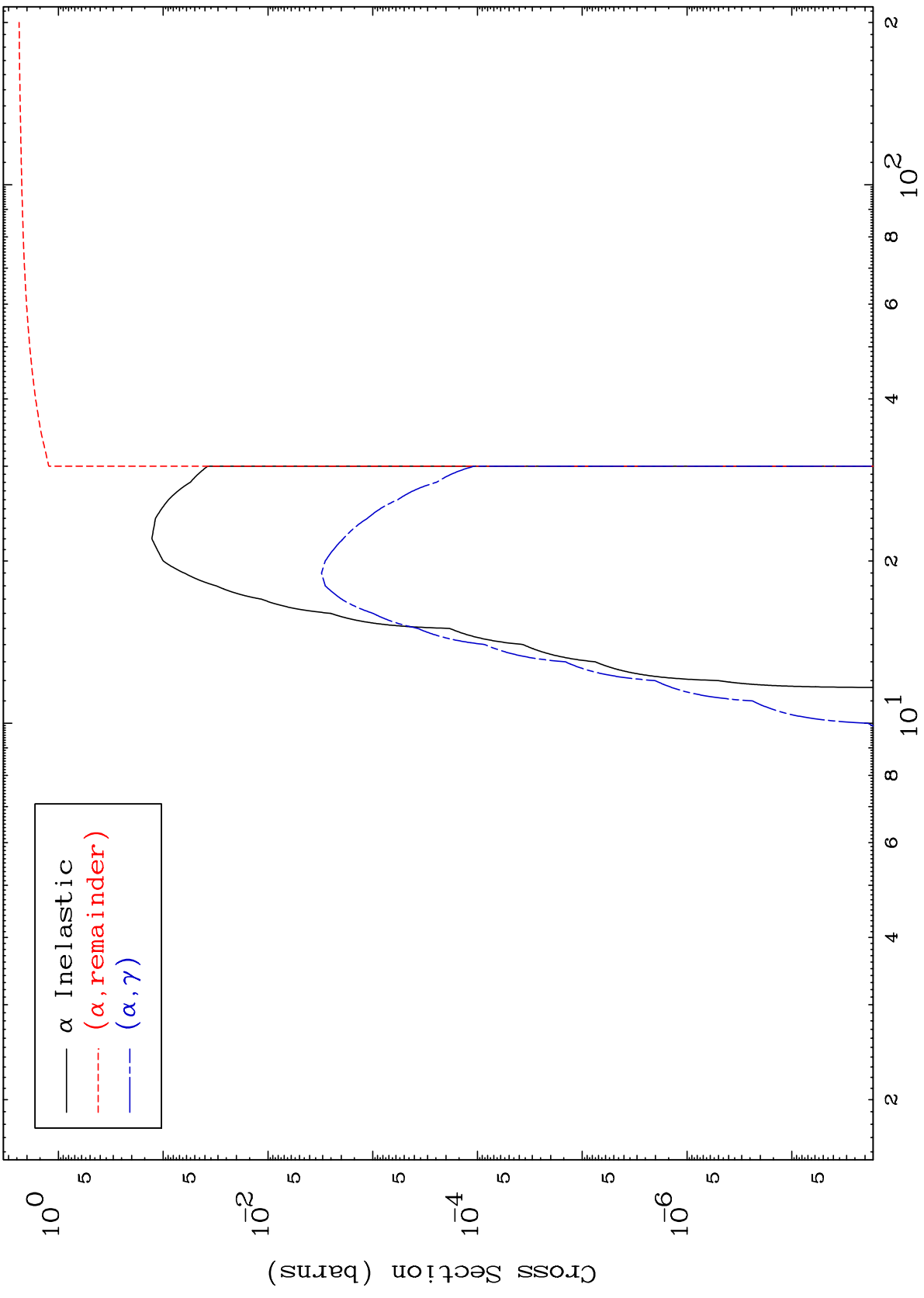
Press Mouse Button to Start

MAT 6398

$\alpha$  Major

64-Gd-143

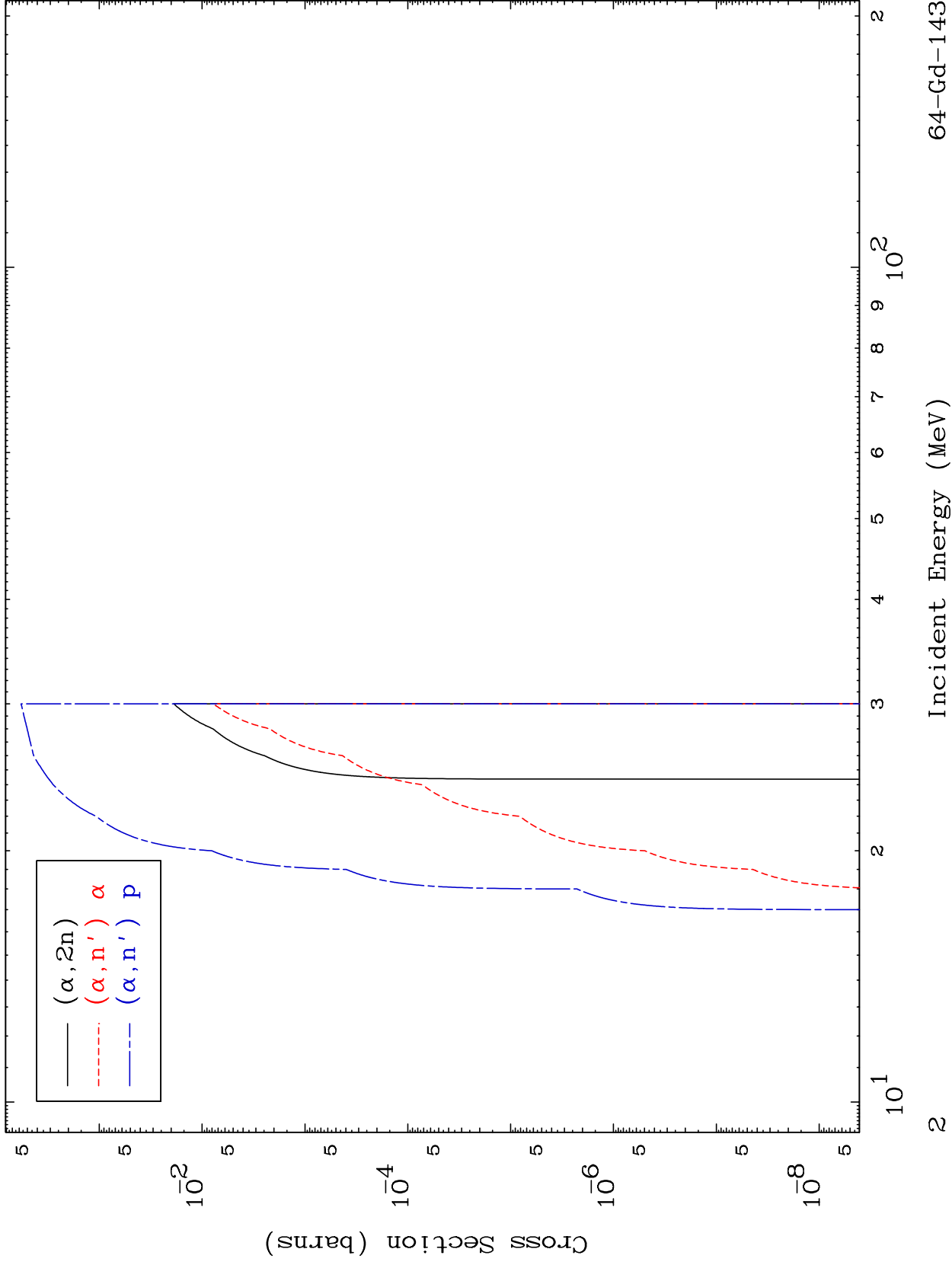
0 Kelvin Cross Sections



MAT 6398

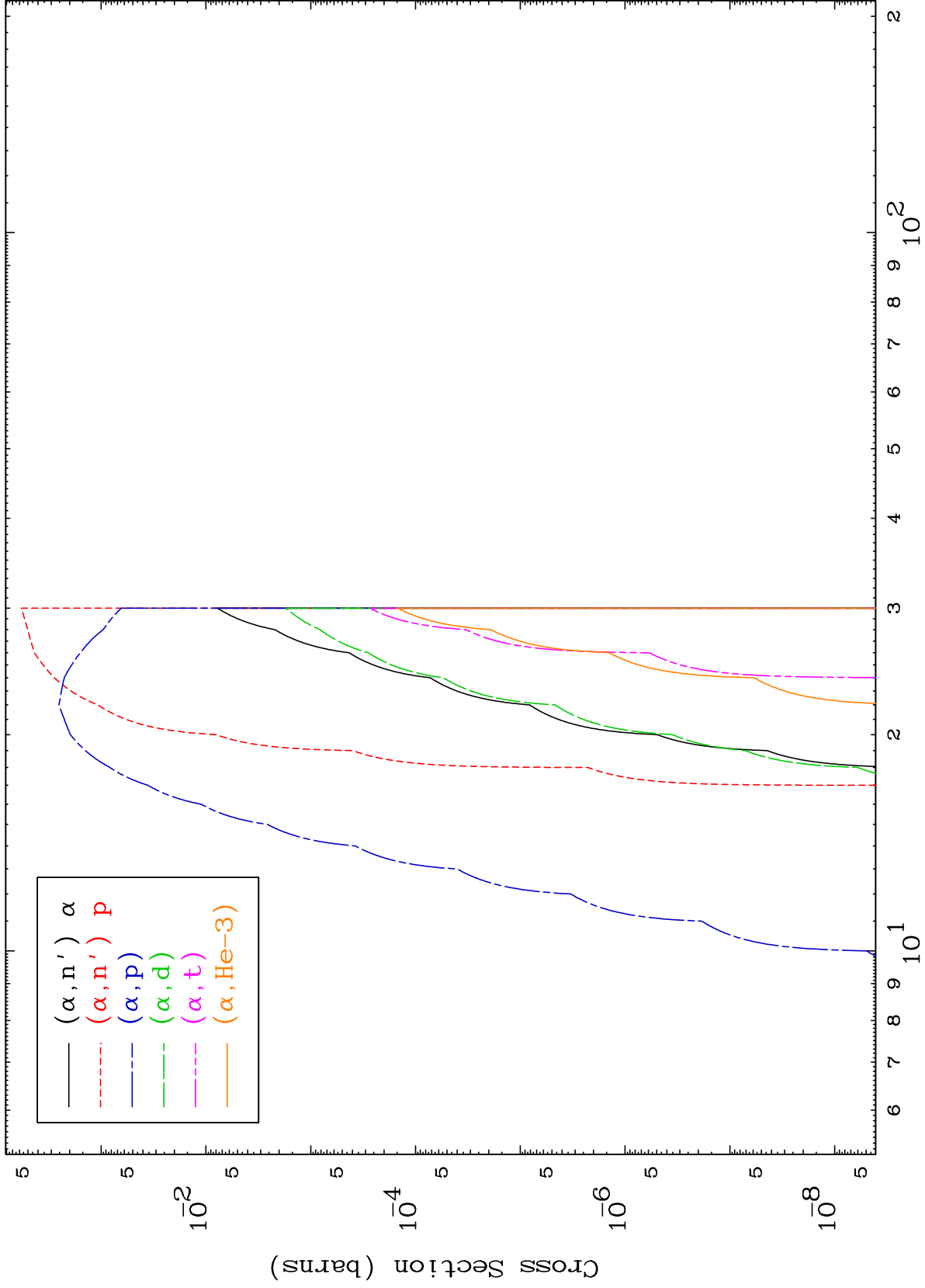
$\alpha$  Neutron Production  
0 Kelvin Cross Sections

64-Gd-143



64-Gd-143

Incident Energy (MeV)

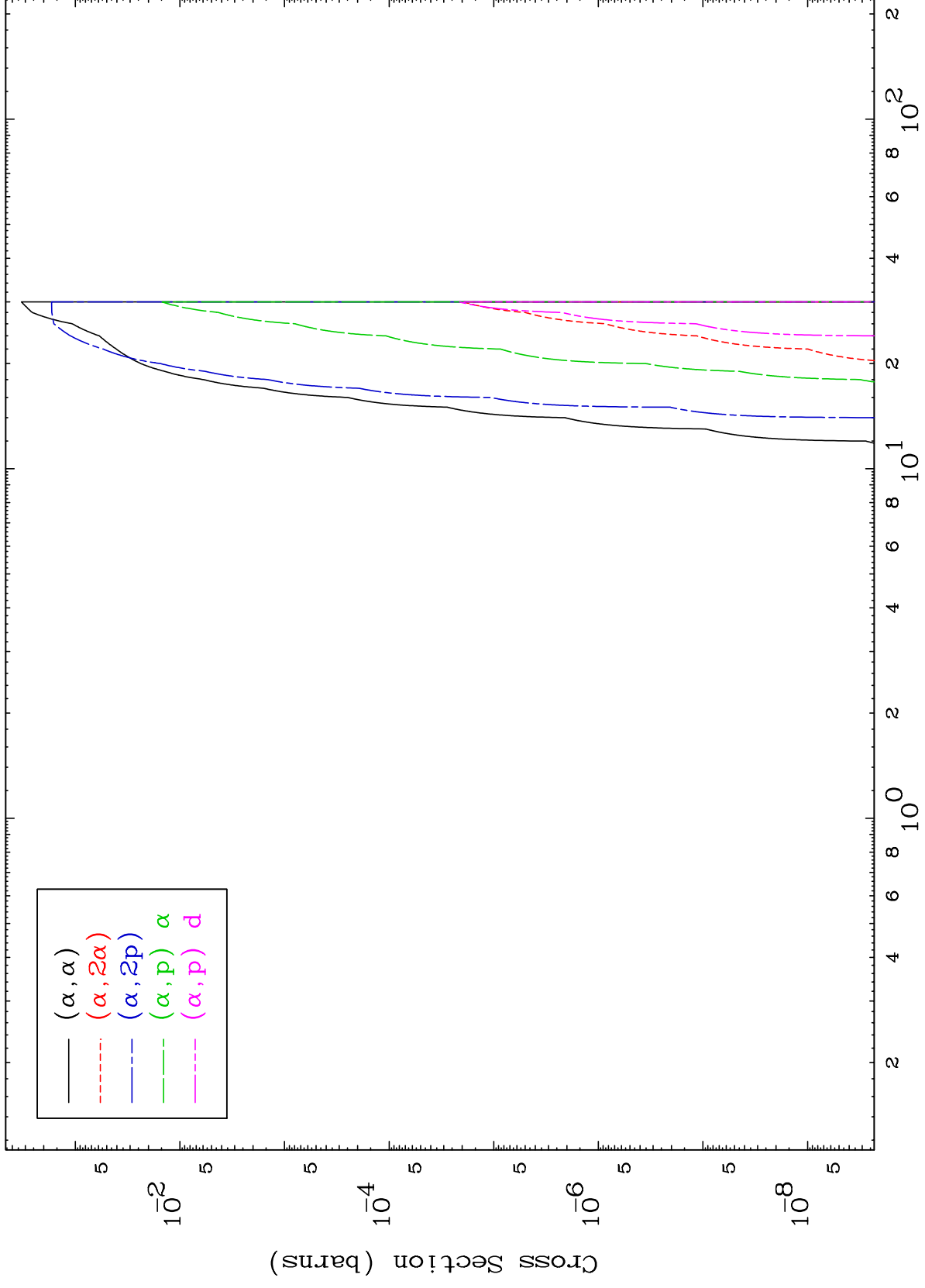


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$\alpha$  Charged Particle

64-Gd-143

0 Kelvin Cross Sections

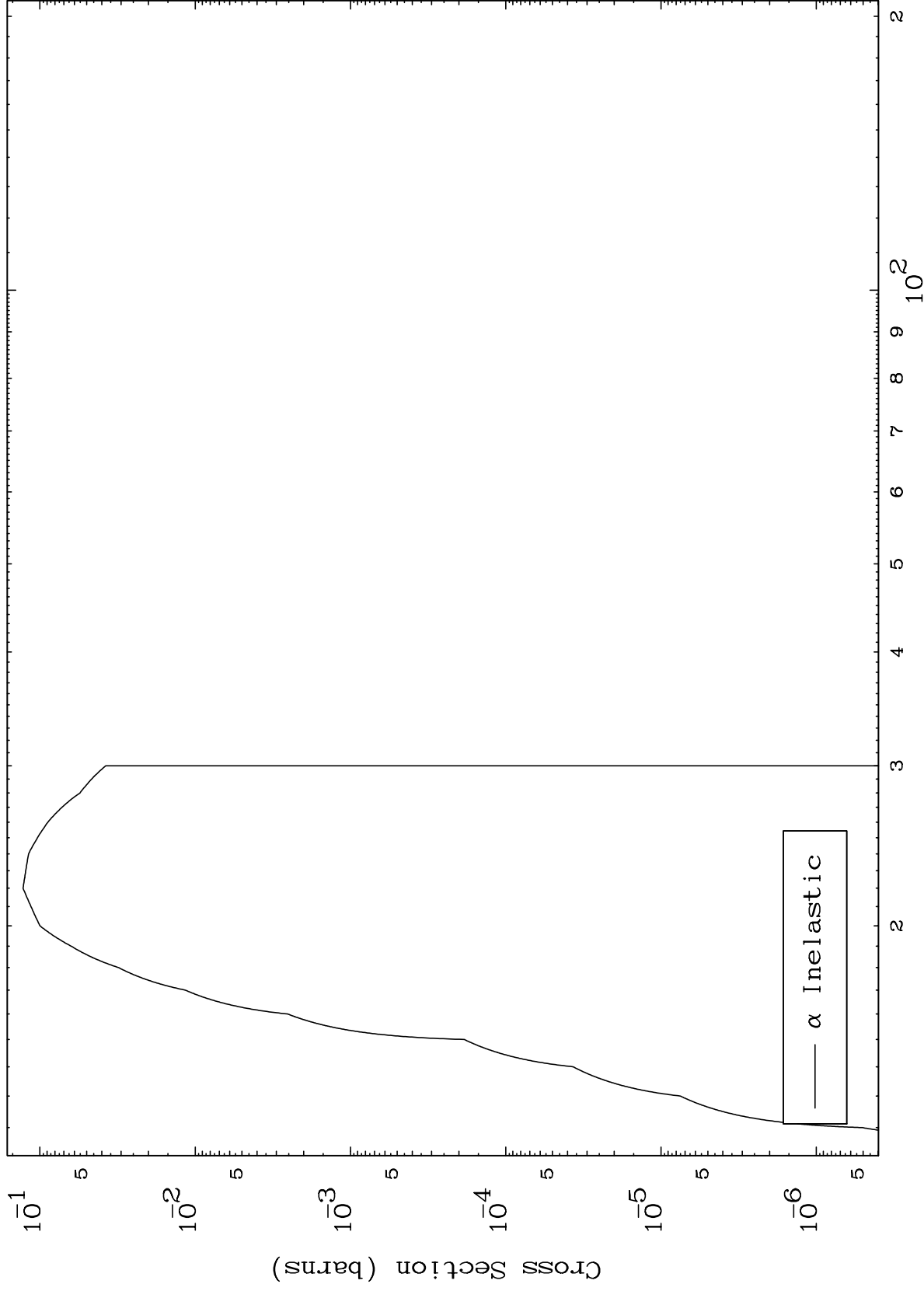


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( $\alpha, n'$ ) Level

64-Gd-143

0 Kelvin Cross Sections



Incident Energy (MeV)

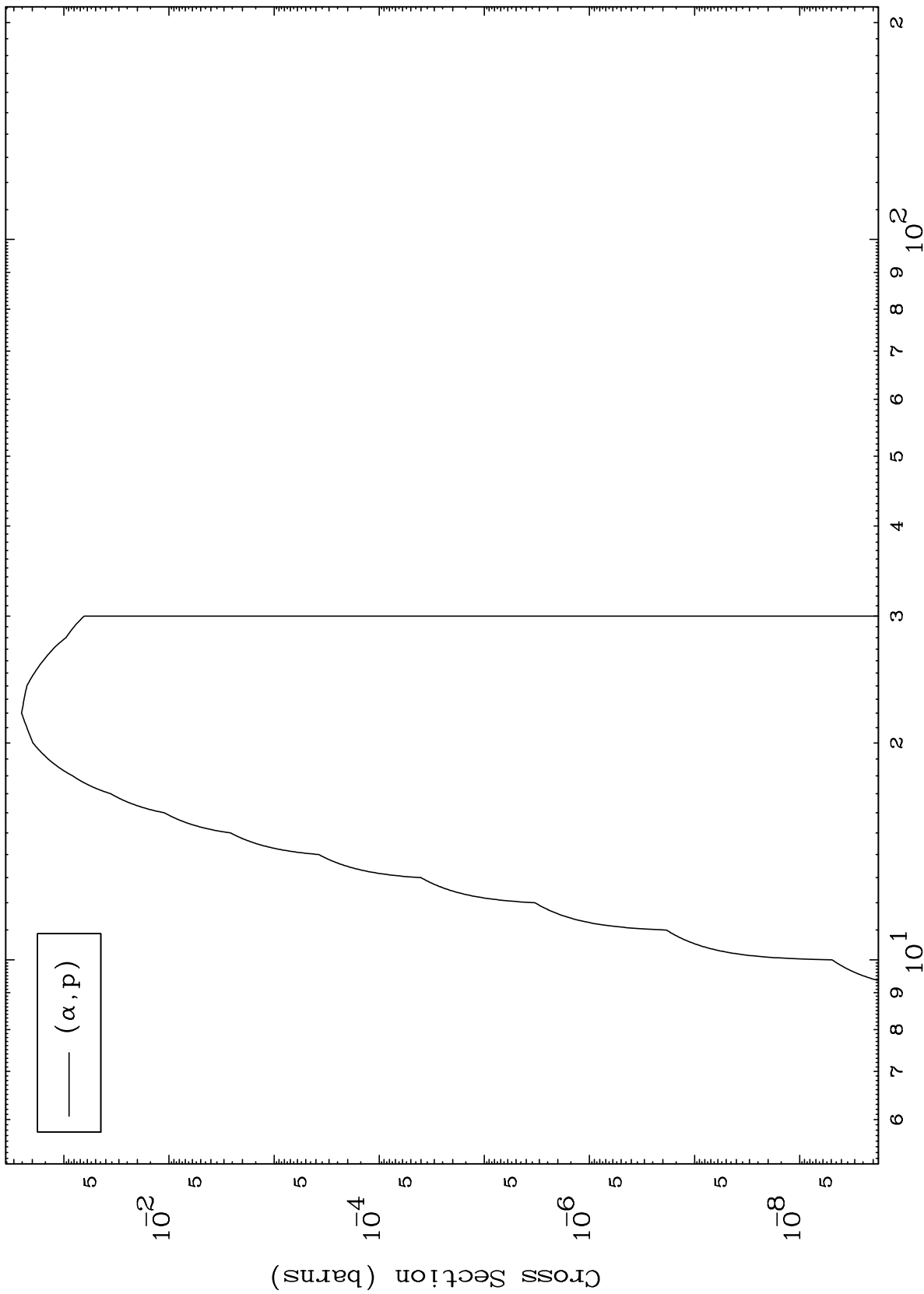
64-Gd-143

5

MAT 6398

64-Gd-143

( $\alpha, p$ ) Levels  
0 Kelvin Cross Sections



64-Gd-143

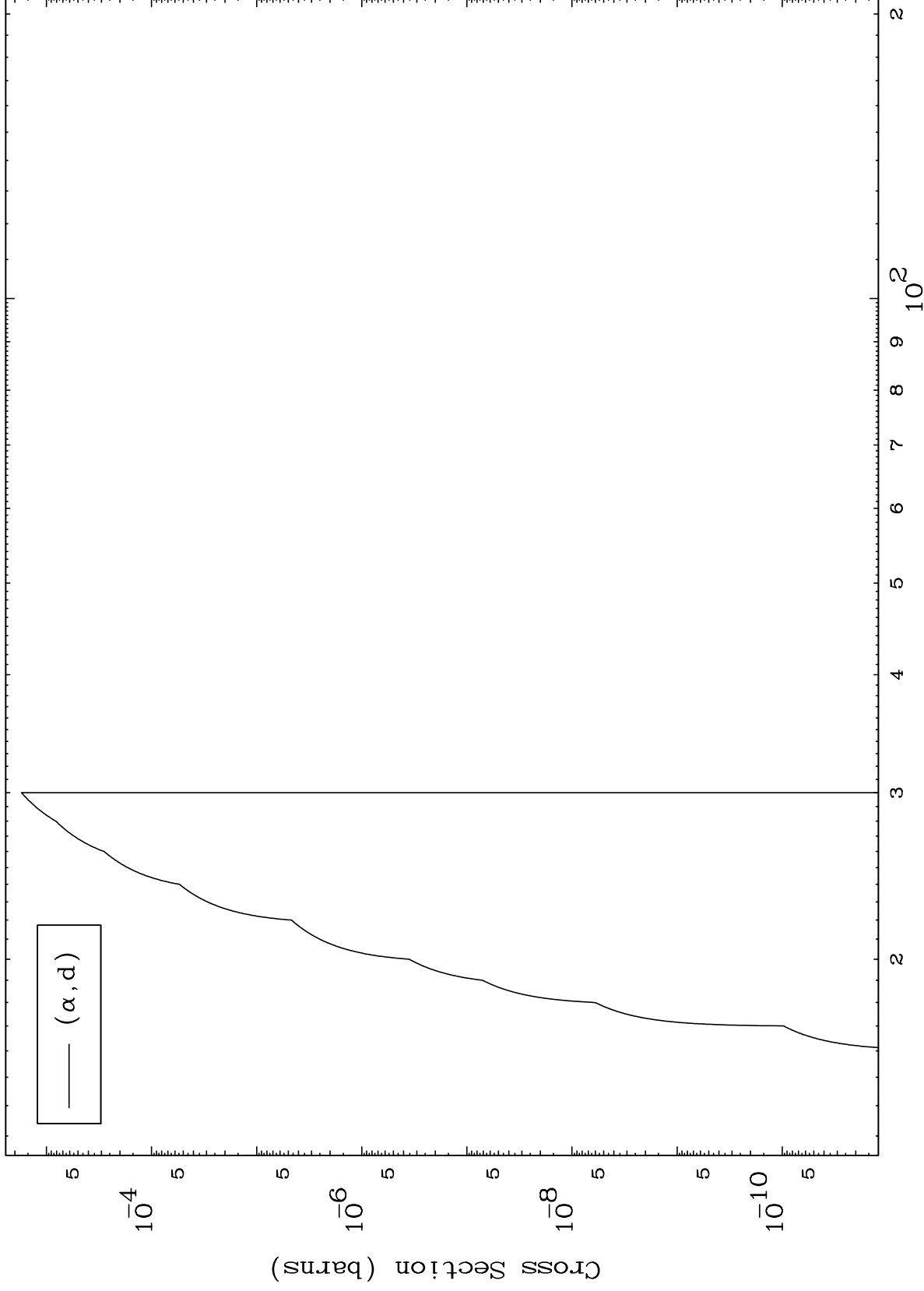
Incident Energy (MeV)

6

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( $\alpha, d$ ) Levels  
0 Kelvin Cross Sections

64-Gd-143



7

Incident Energy (MeV)

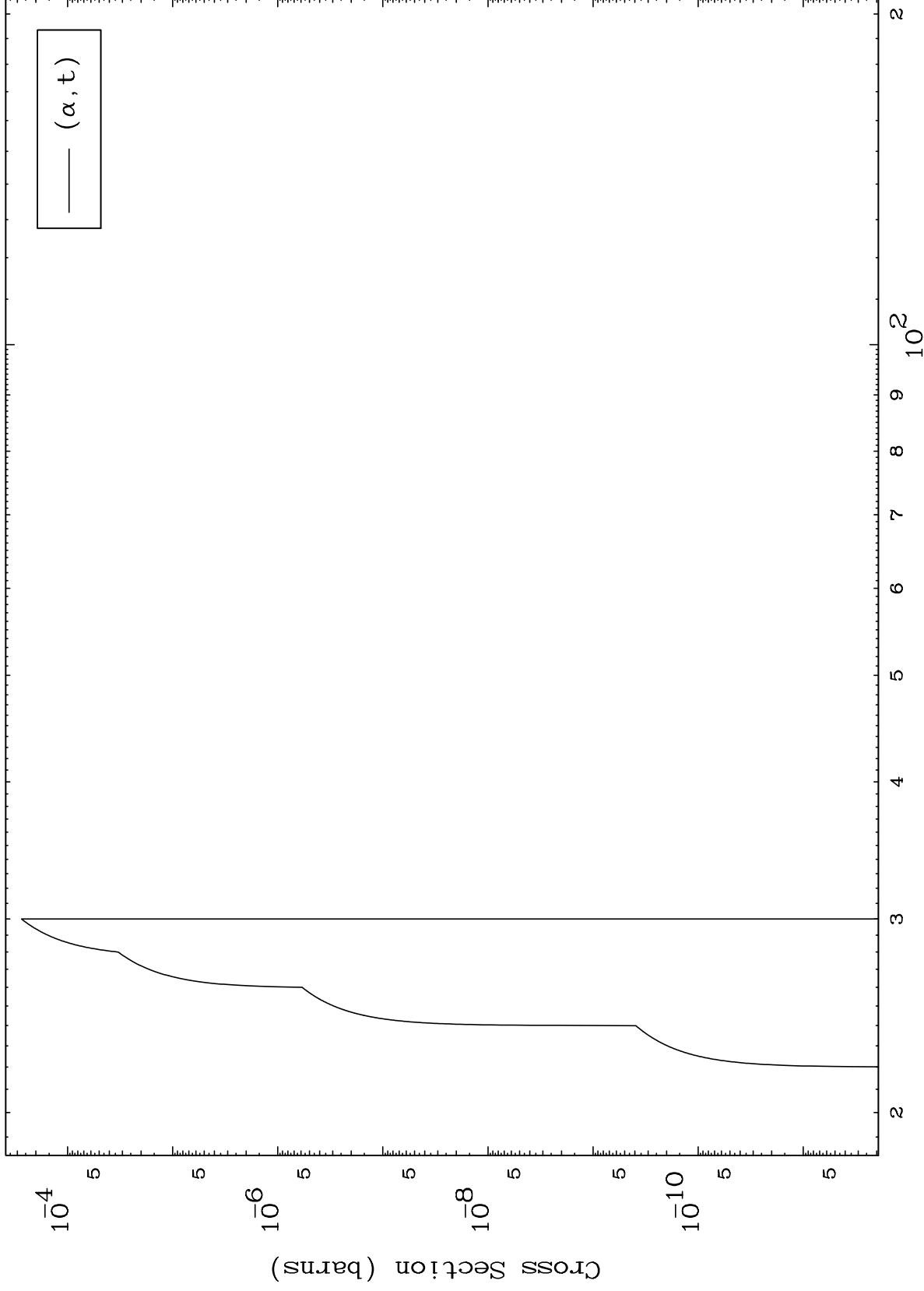
64-Gd-143



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( $\alpha, t$ ) Levels  
0 Kelvin Cross Sections

64-Gd-143



8

Incident Energy (MeV)

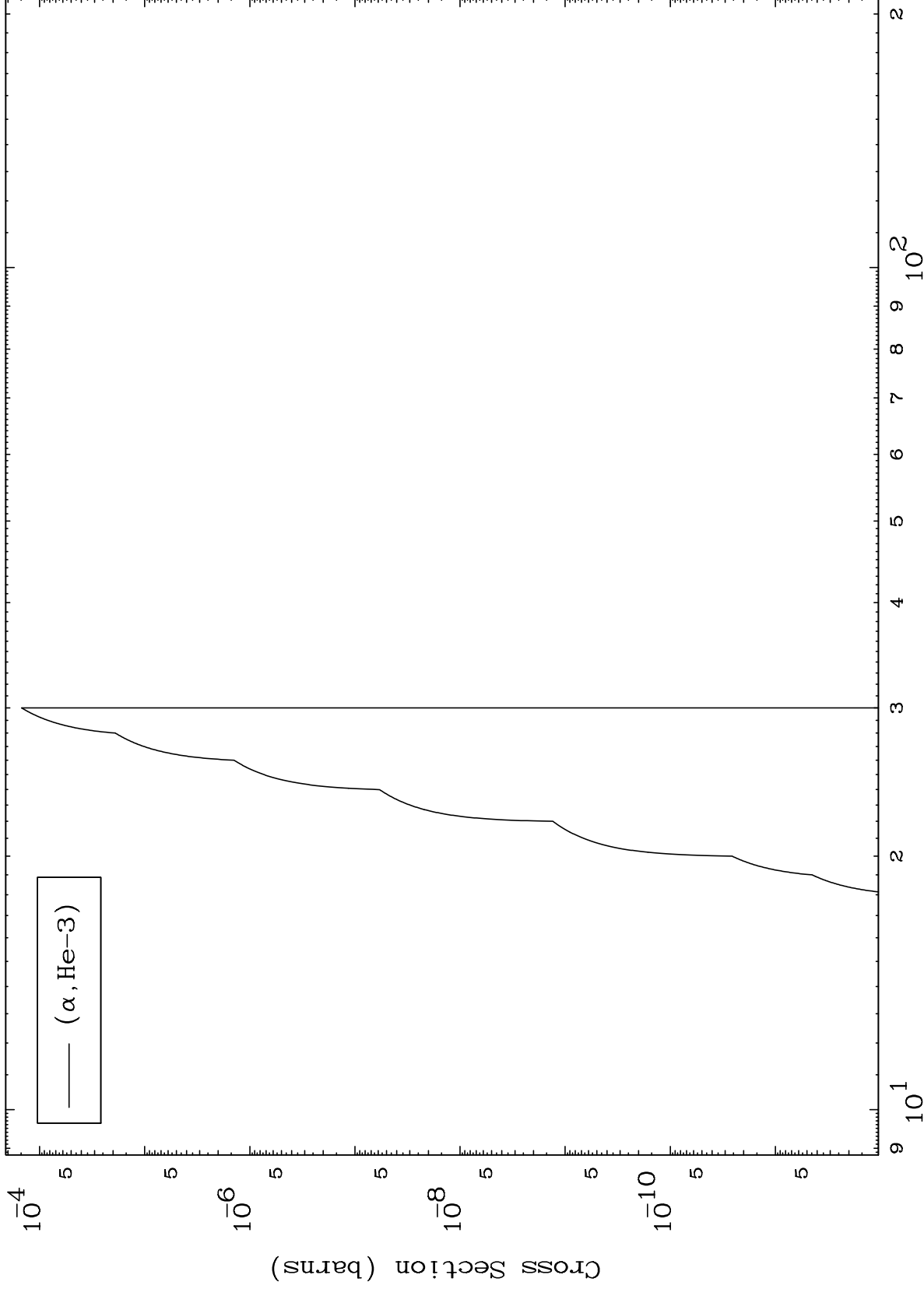
64-Gd-143

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( $\alpha$ , He3) Levels

64-Gd-143

0 Kelvin Cross Sections



Incident Energy (MeV)

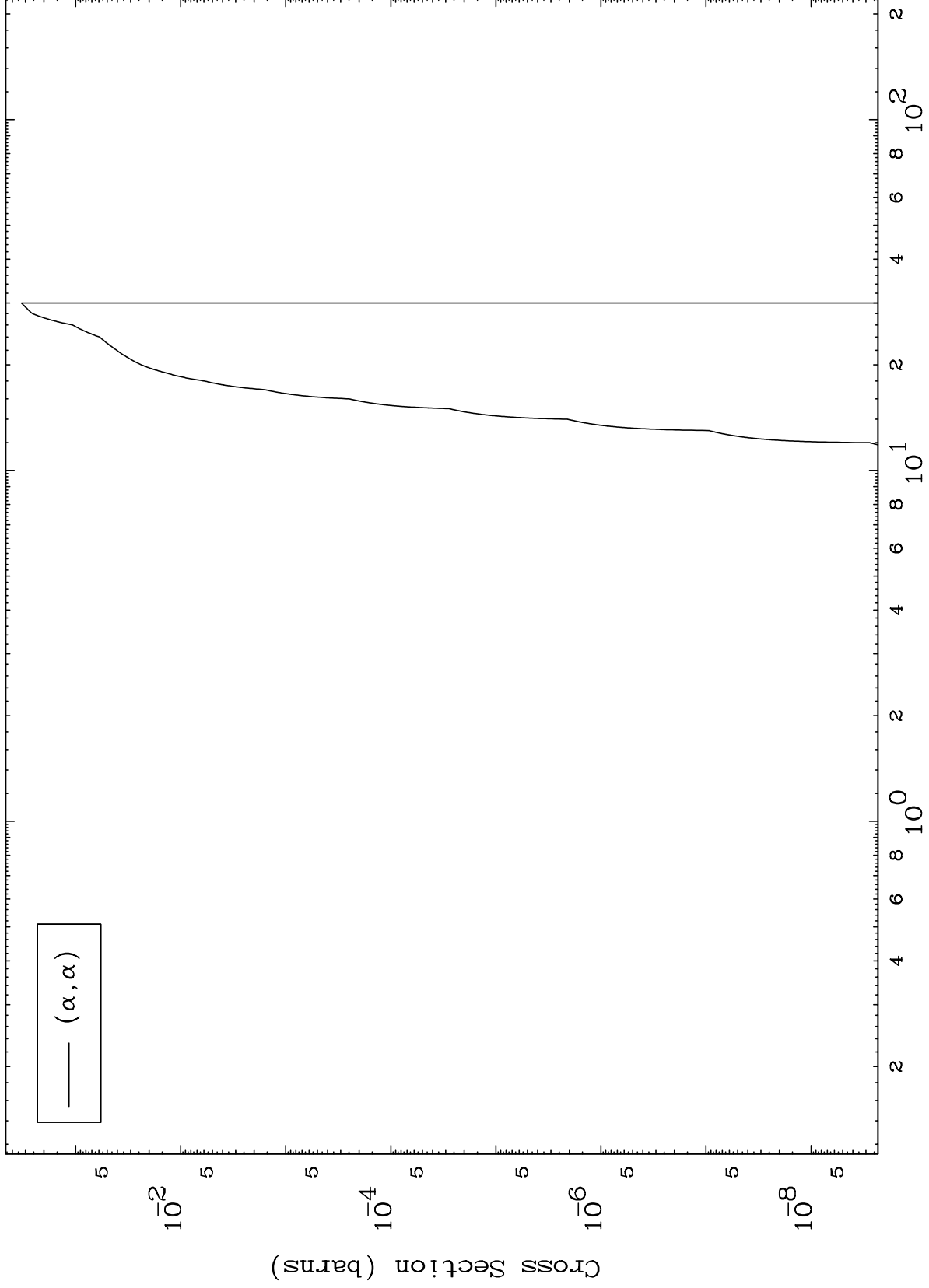
64-Gd-143

MAT 6398

( $\alpha, \alpha$ ) Levels

64-Gd-143

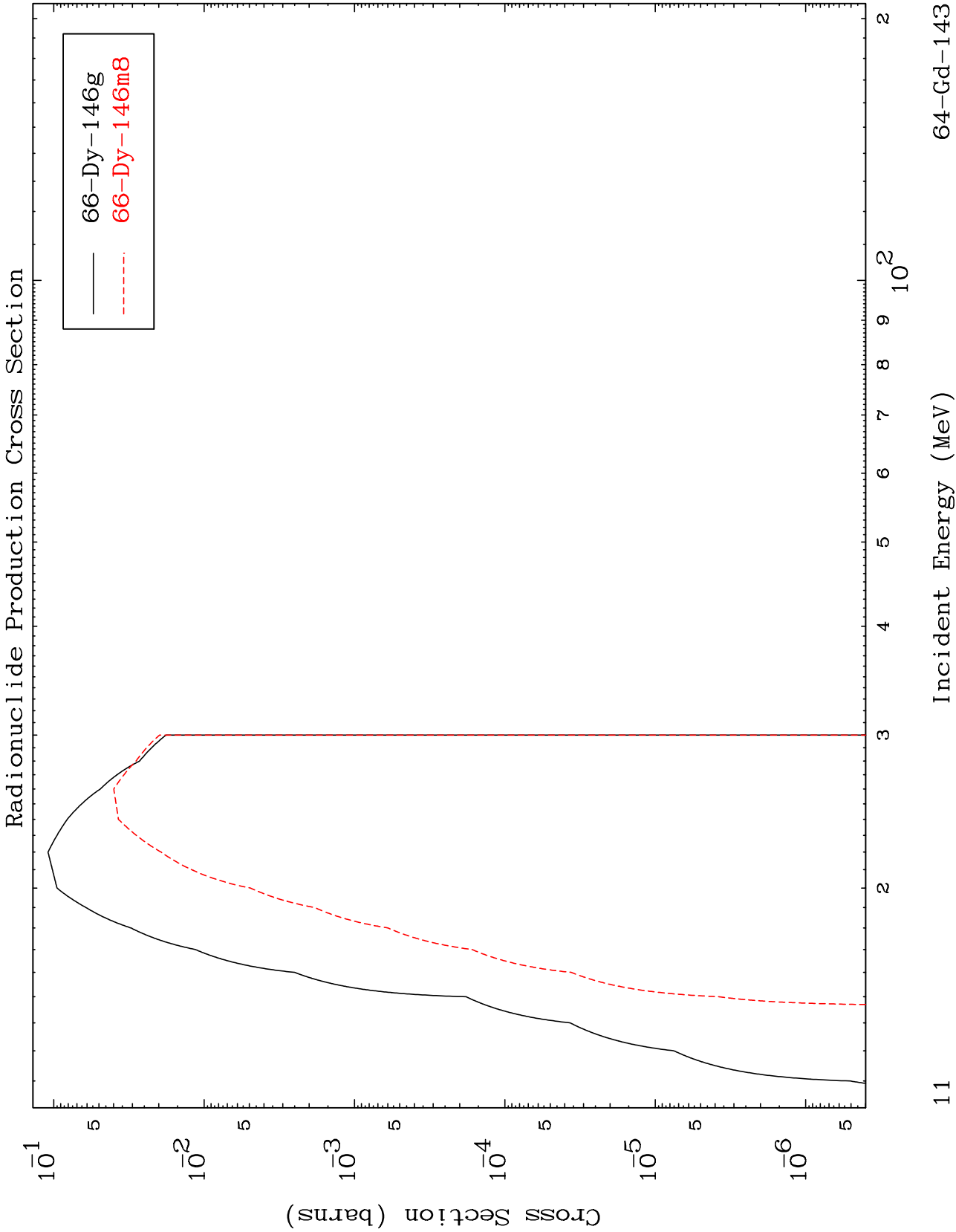
0 Kelvin Cross Sections



10

Incident Energy (MeV)

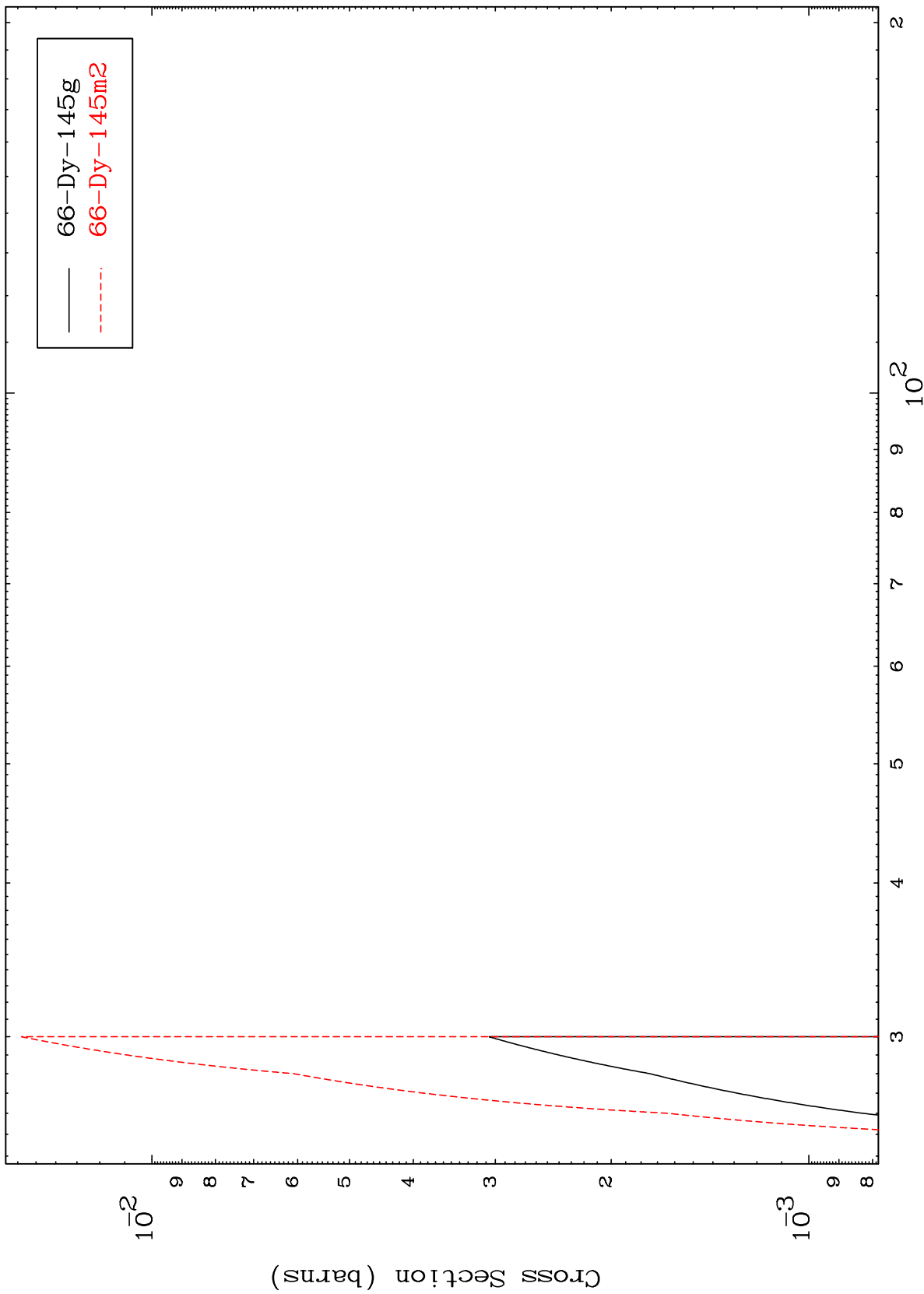
64-Gd-143



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64-Gd-143

$(\alpha, 2n)$   
Radionuclide Production Cross Section

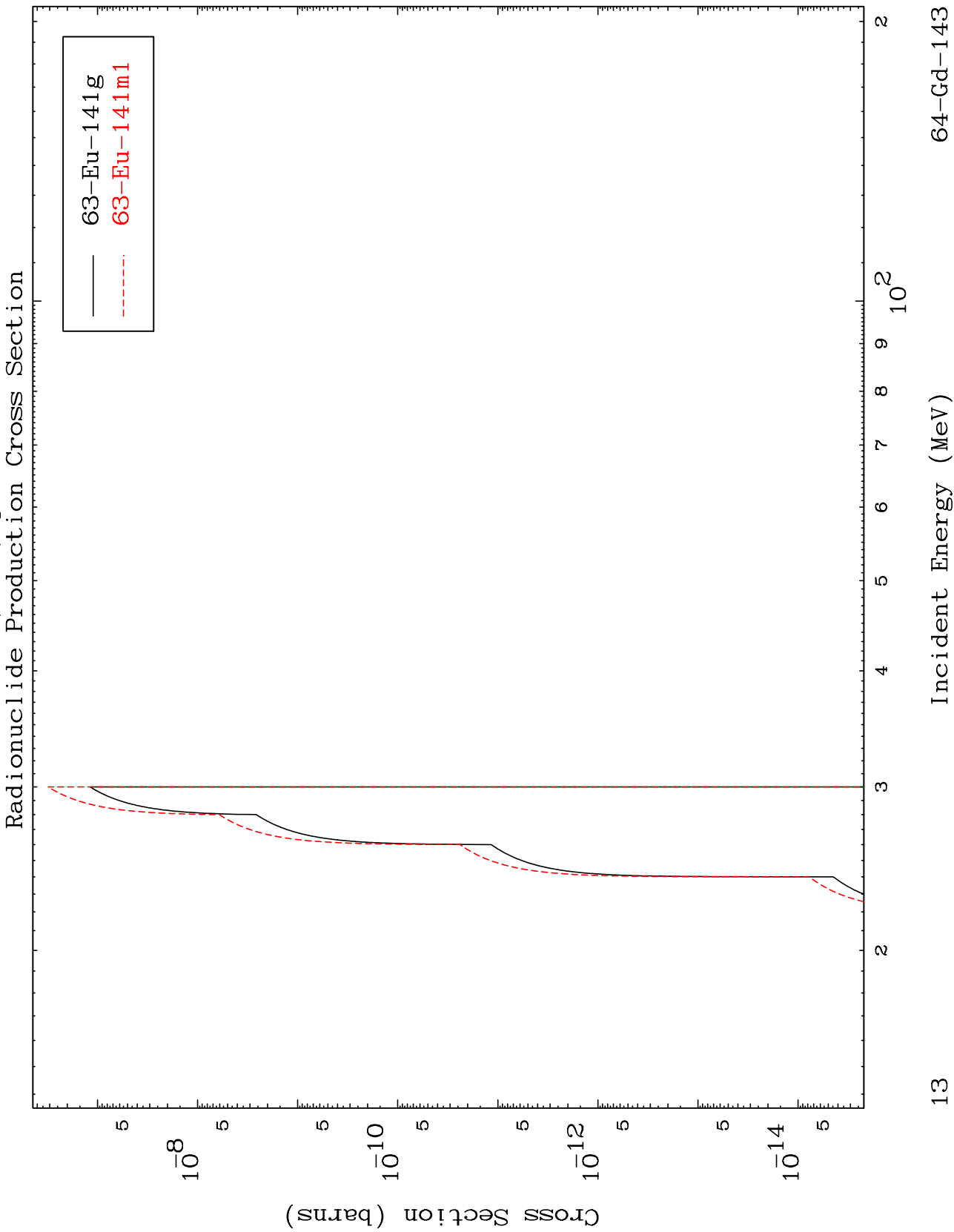


66-Dy-145g  
66-Dy-145m2

12

Incident Energy (MeV)

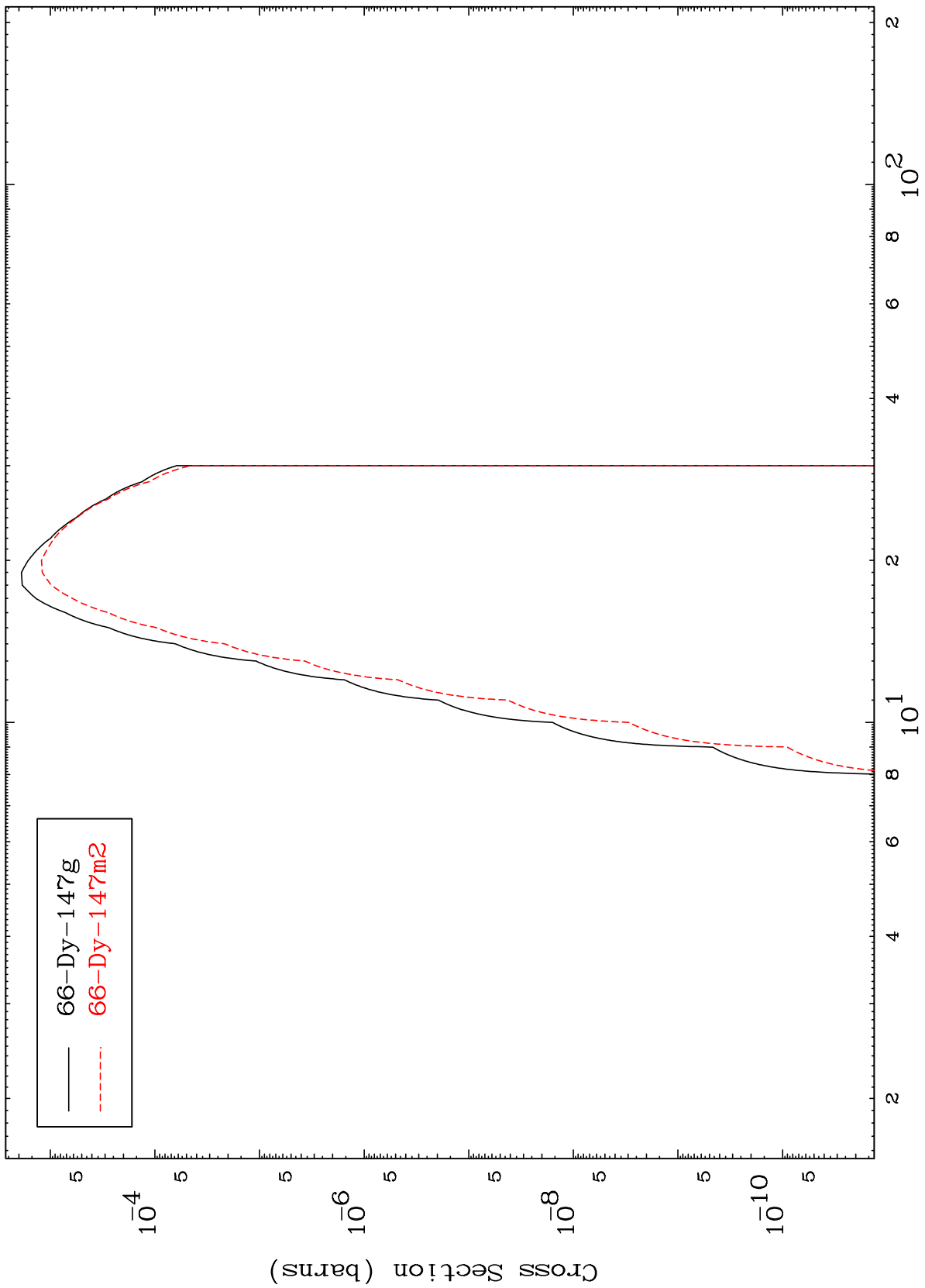
64-Gd-143



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64-Gd-143

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



14

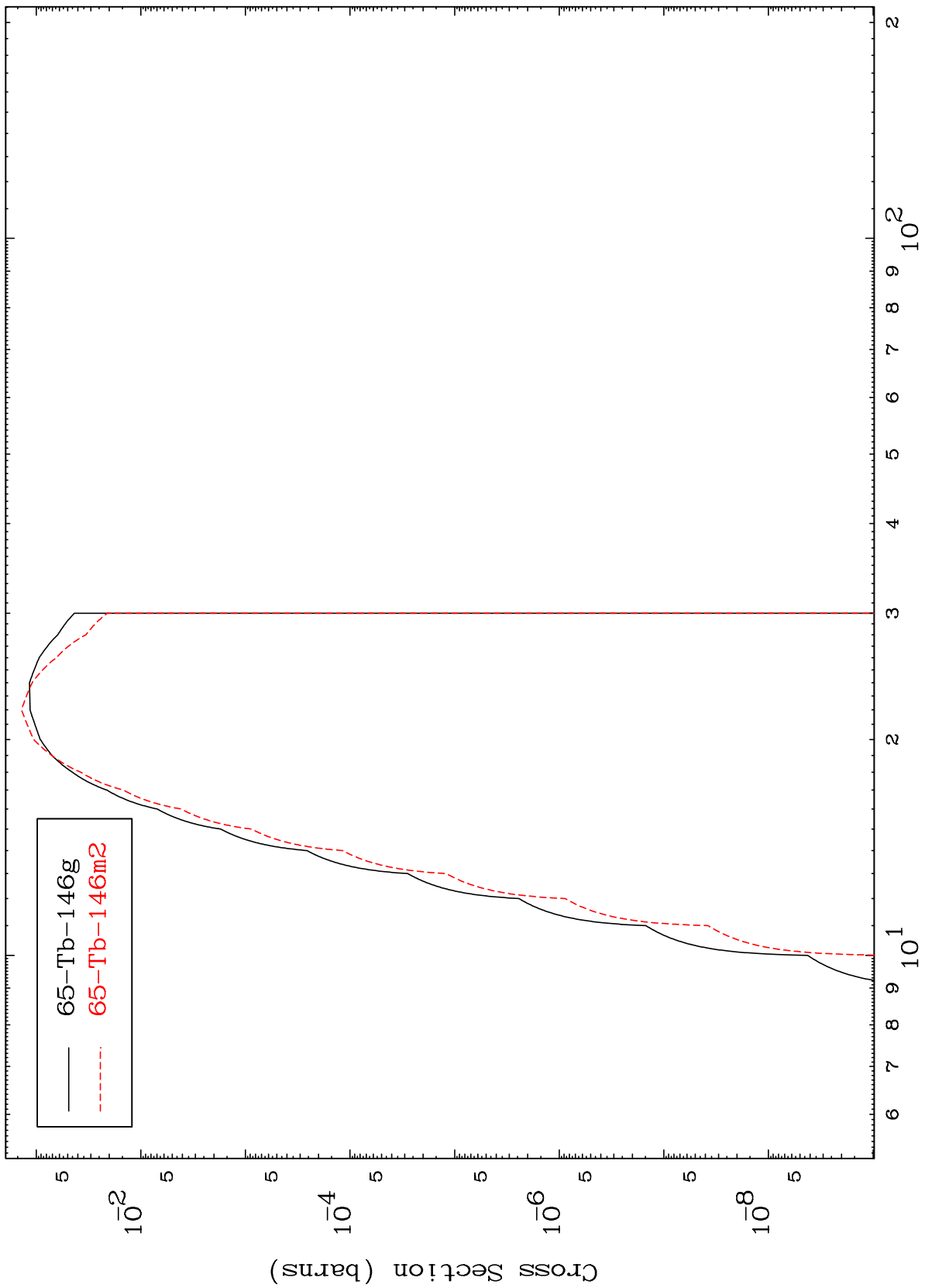
64-Gd-143

Incident Energy (MeV)

MAT 6398

64-Gd-143

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



15

Incident Energy (MeV)

64-Gd-143

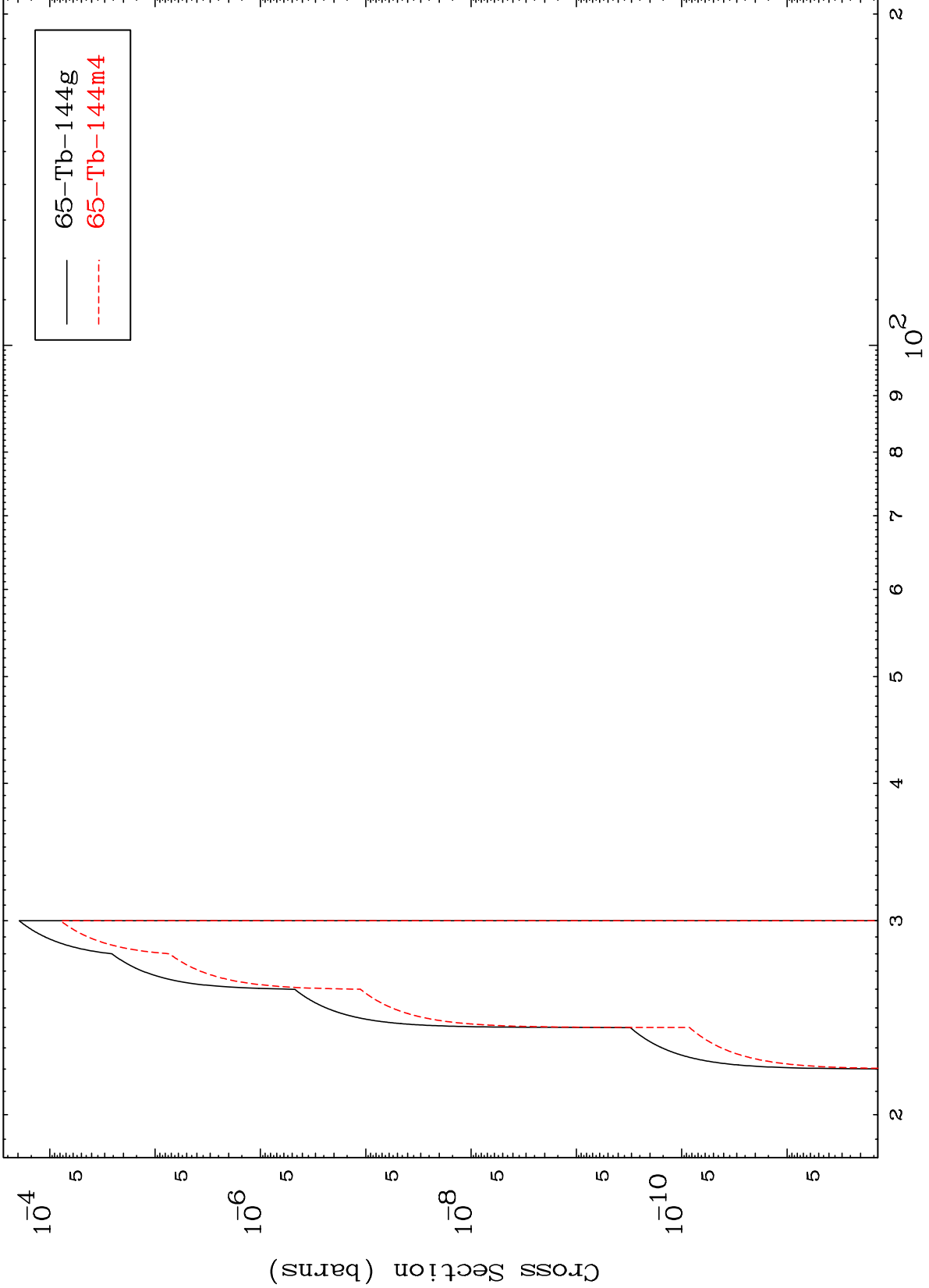


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( $\alpha, t$ )

64-Gd-143

Radionuclide Production Cross Section



16

Incident Energy (MeV)

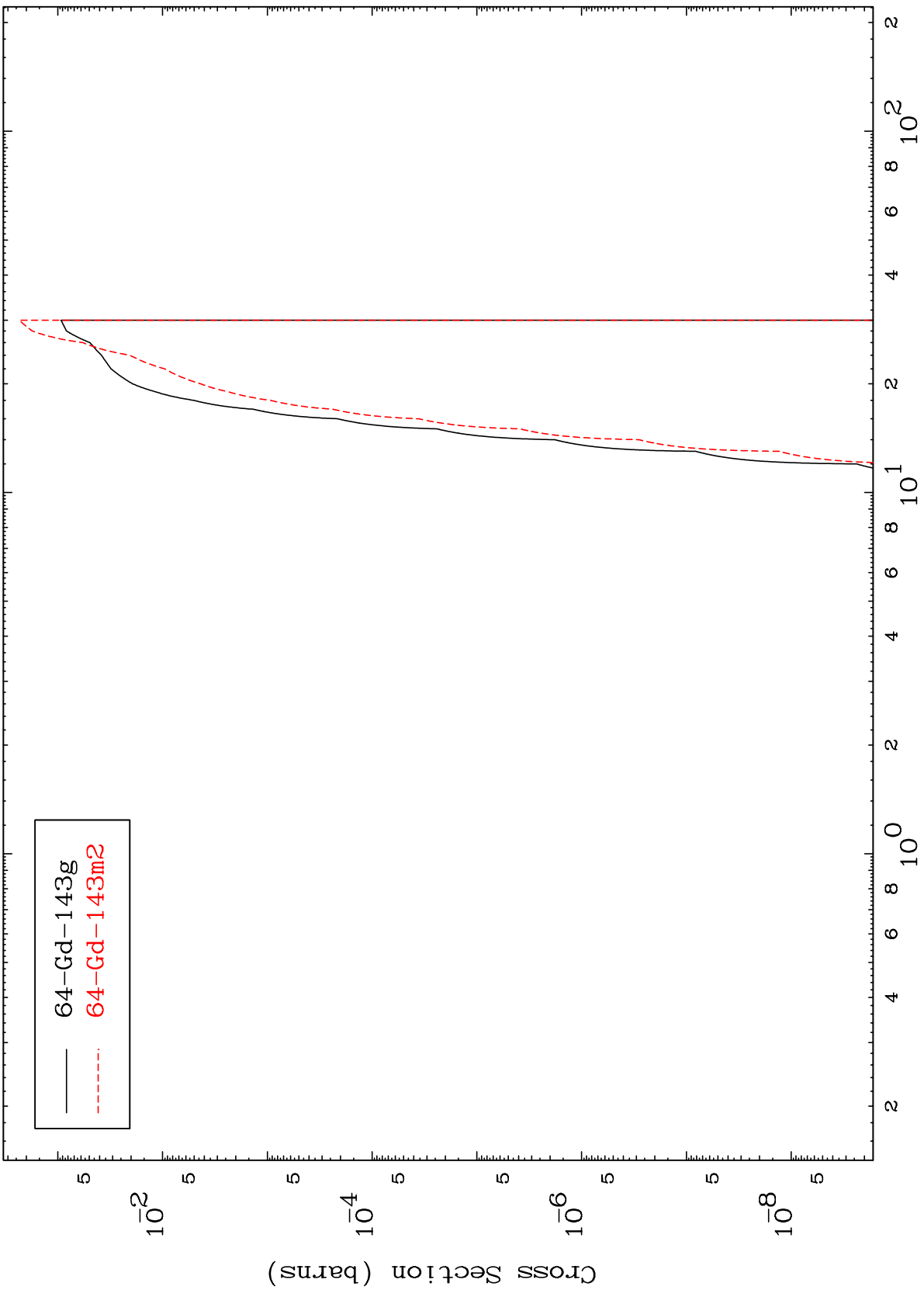
64-Gd-143

MAT 6398

( $\alpha, \alpha$ )

64-Gd-143

Radionuclide Production Cross Section



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

17

Incident Energy (MeV)

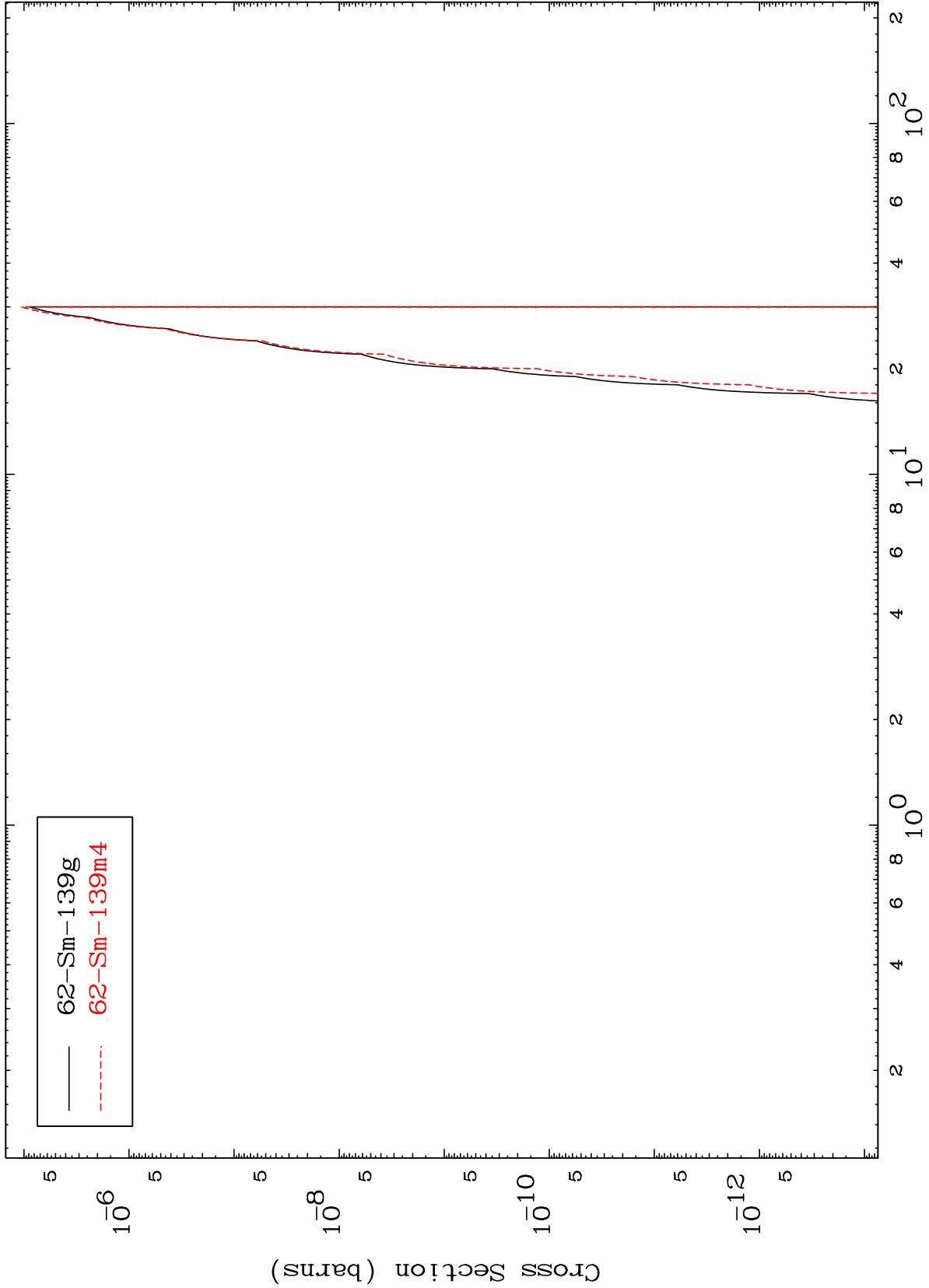
64-Gd-143

MAT 6398

( $\alpha, 2\alpha$ )

64-Gd-143

Radionuclide Production Cross Section

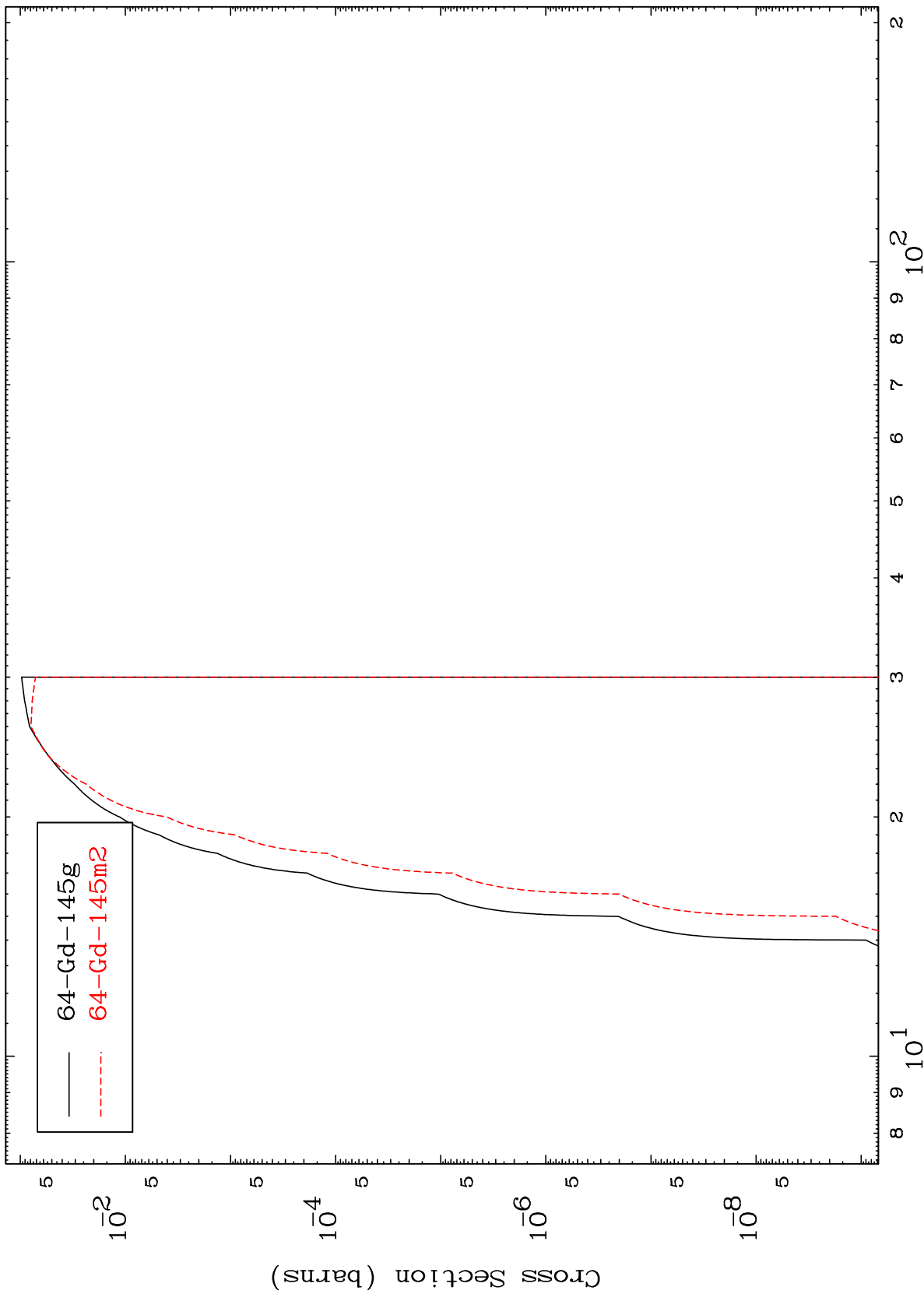


62-Sm-139g  
62-Sm-139m4

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64-Gd-143

( $\alpha, 2p$ )  
Radionuclide Production Cross Section



19

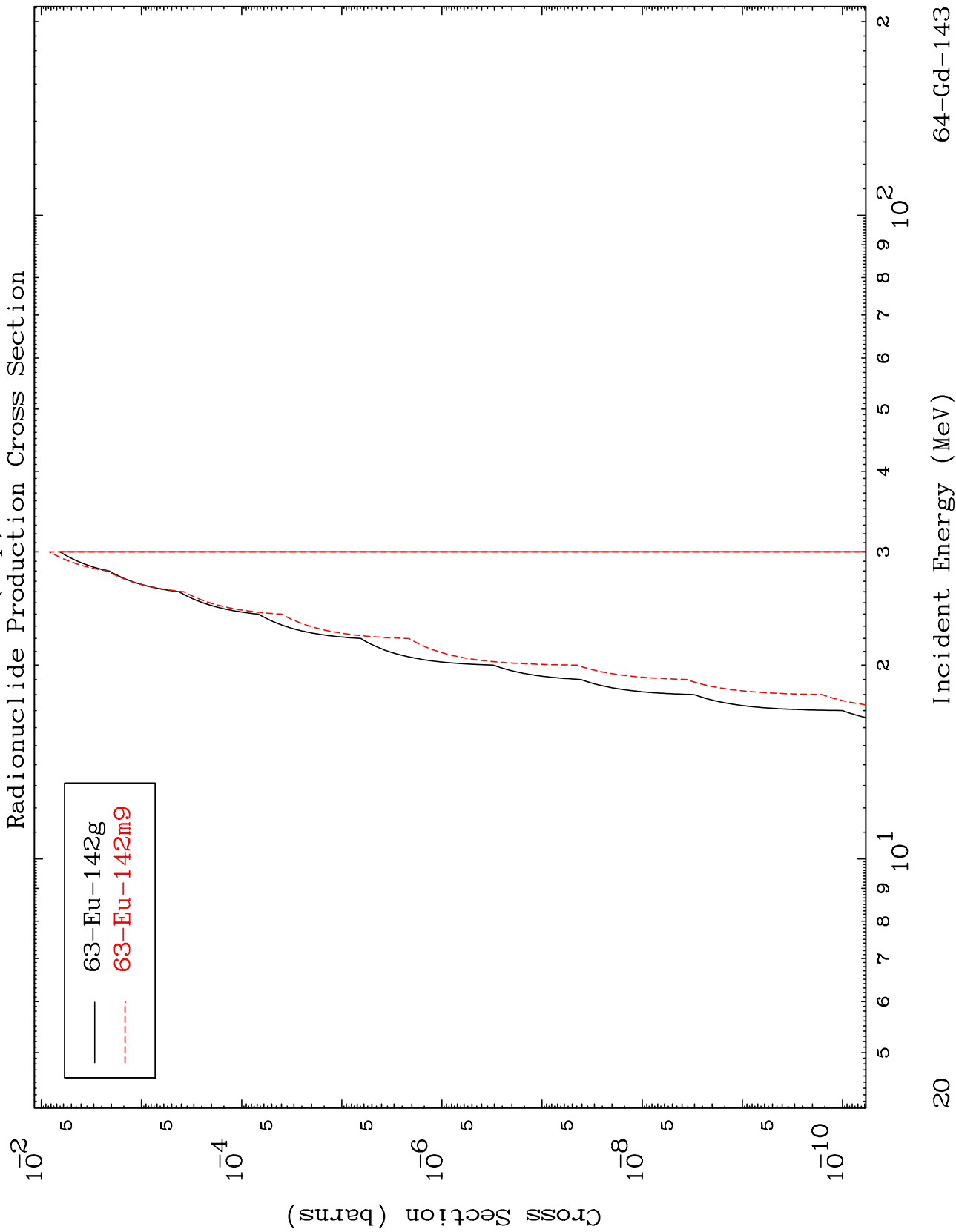
Incident Energy (MeV)

64-Gd-143

MAT 6398

( $\alpha, p$ )  $\alpha$

64-Gd-143



20

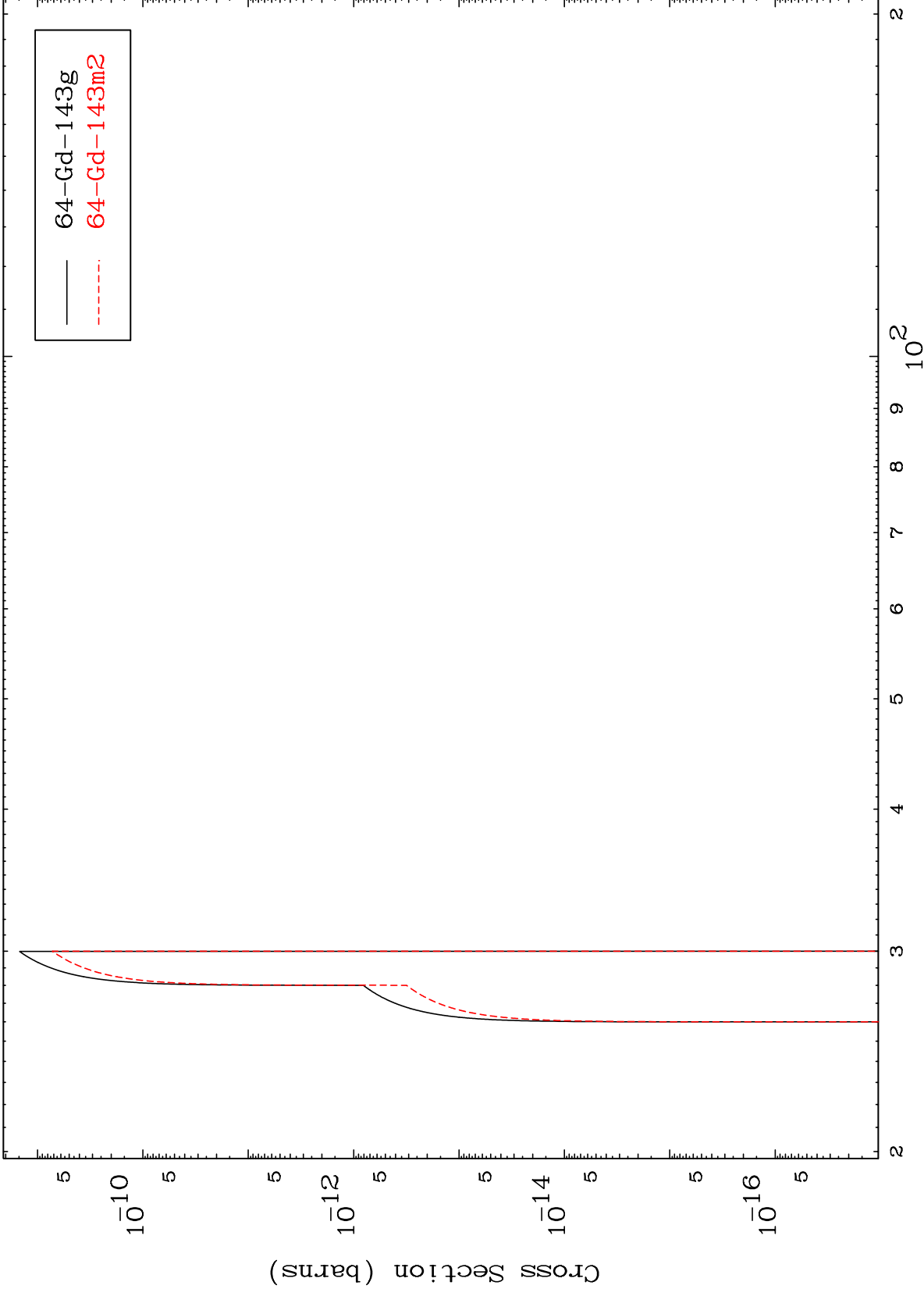
64-Gd-143

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( $\alpha, p$ ) t

64-Gd-143

Radionuclide Production Cross Section



21

Incident Energy (MeV)

64-Gd-143