

Program EVALPLOT  
(Version 2021-1)

by

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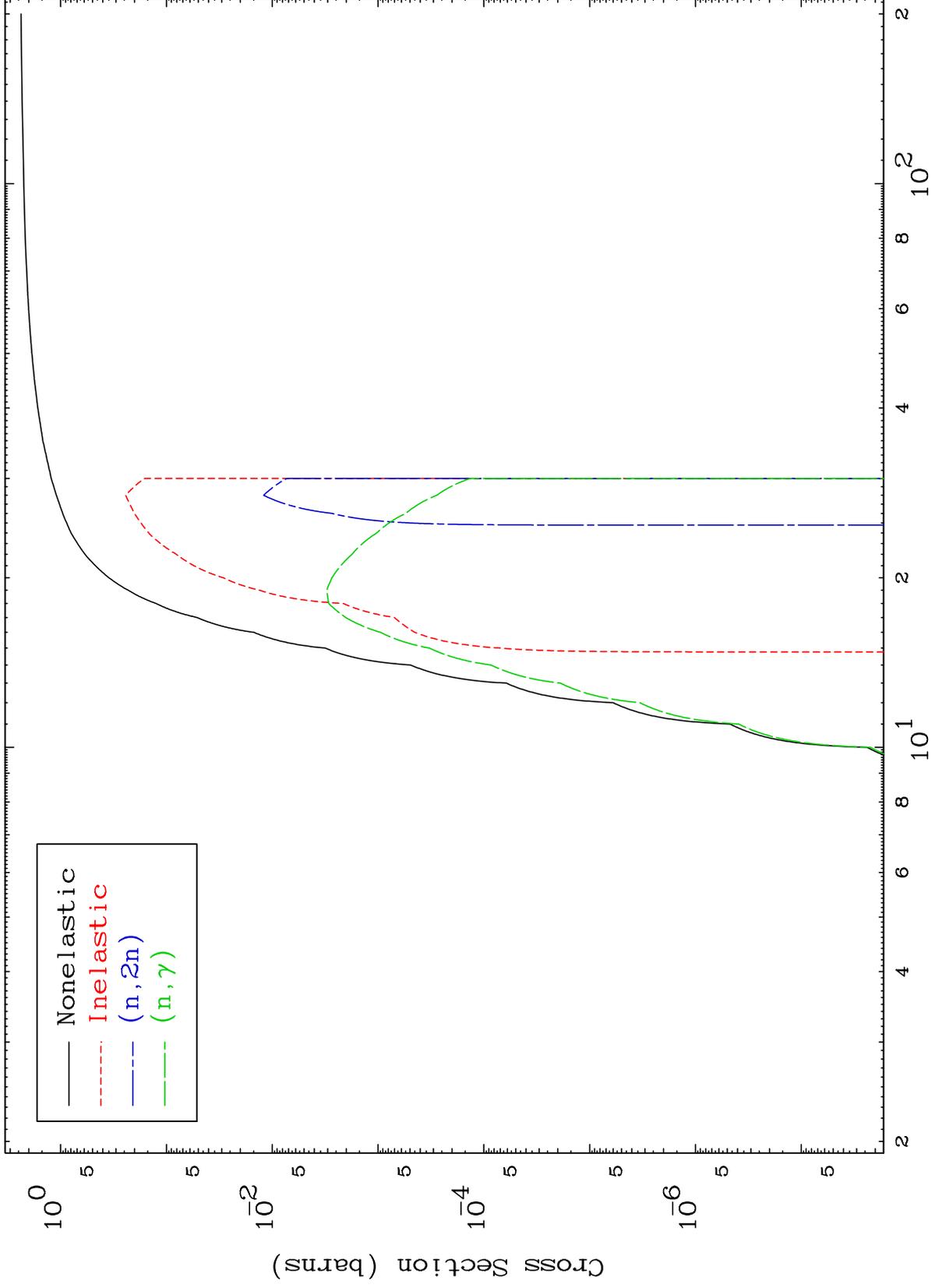
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Press Mouse Button to Start

MAT 6395

0 Kelvin Major  
 $\alpha$  Cross Sections

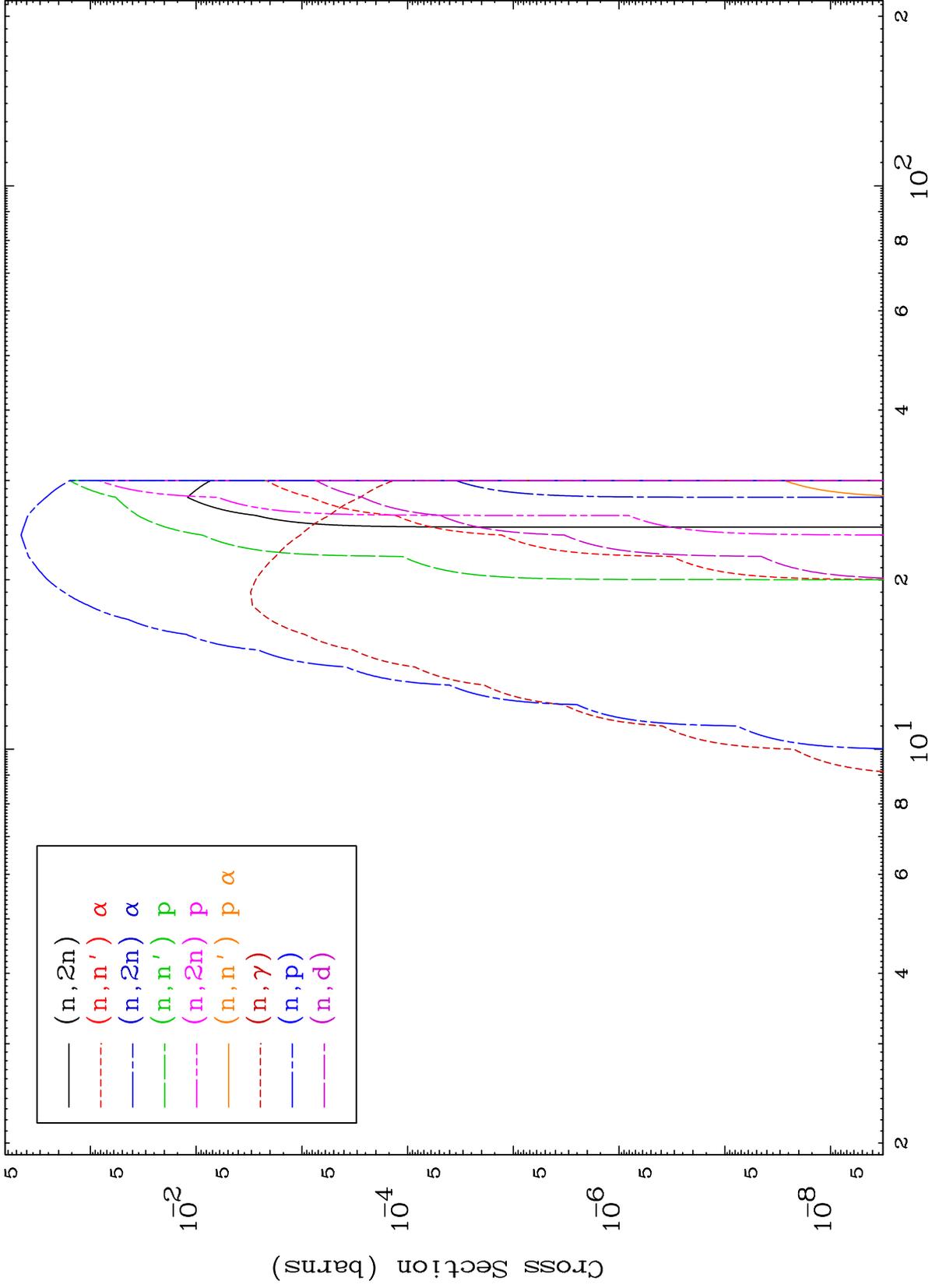
64-Gd-142



1

Incident Energy (MeV)

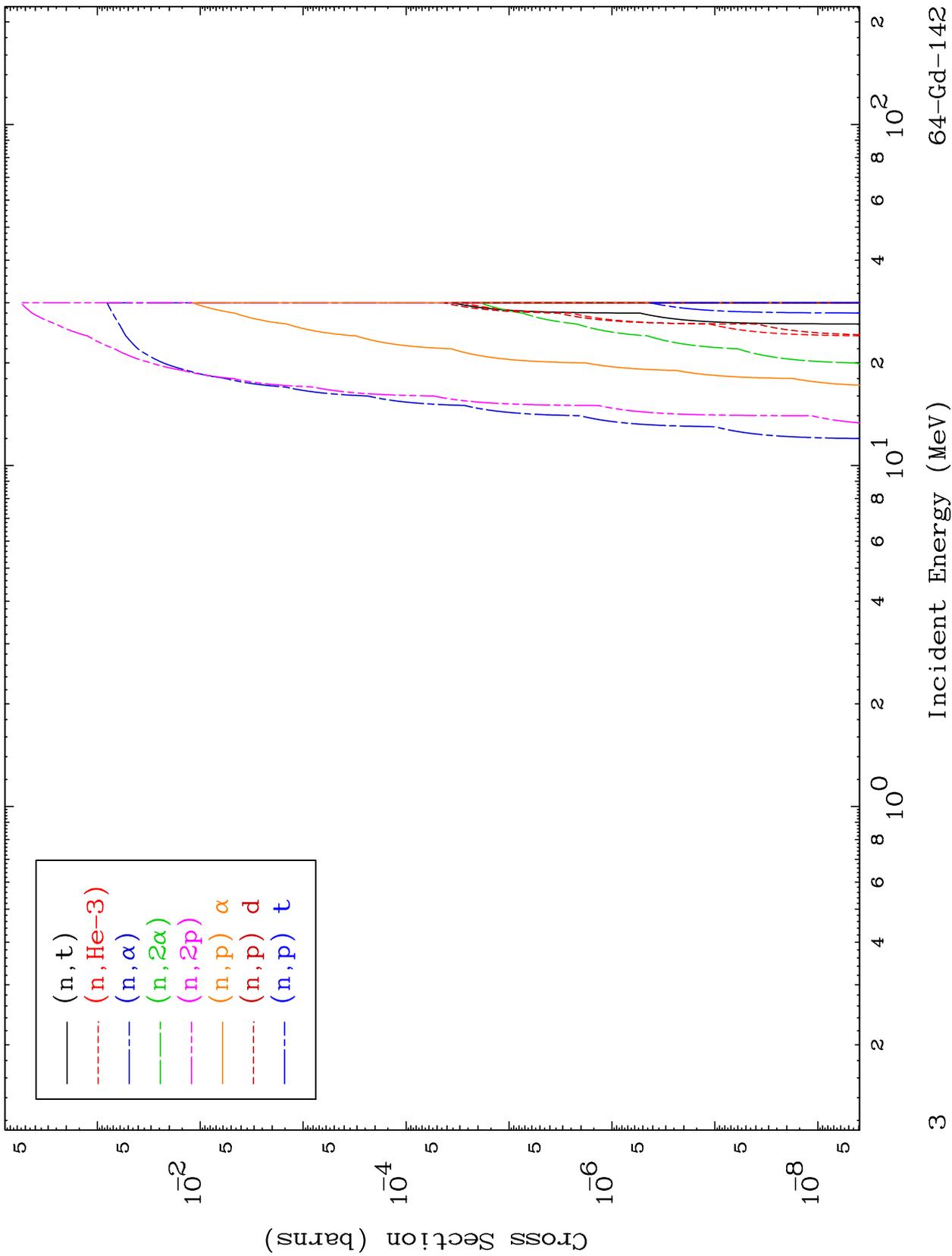
64-Gd-142



MAT 6395

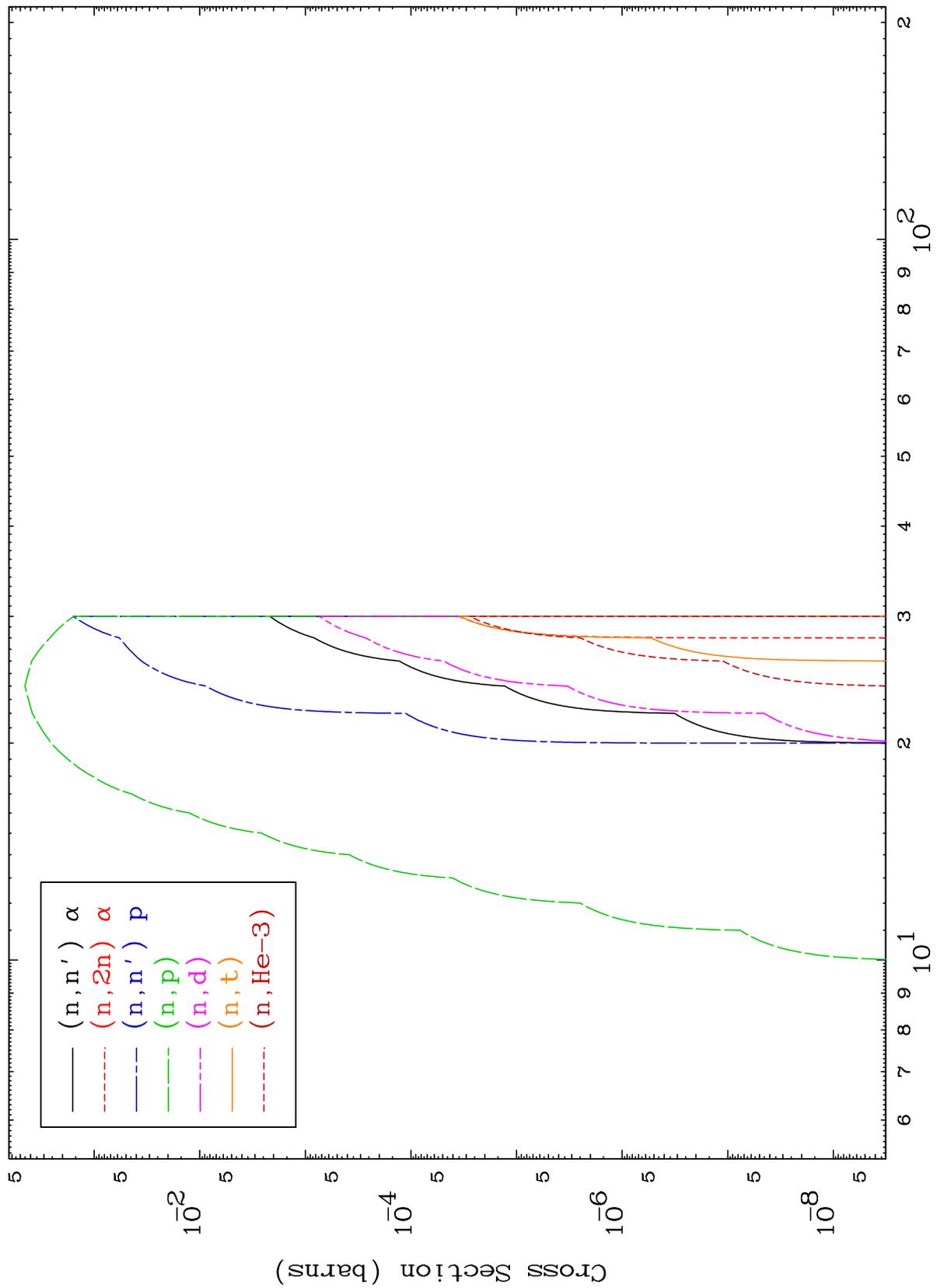
$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

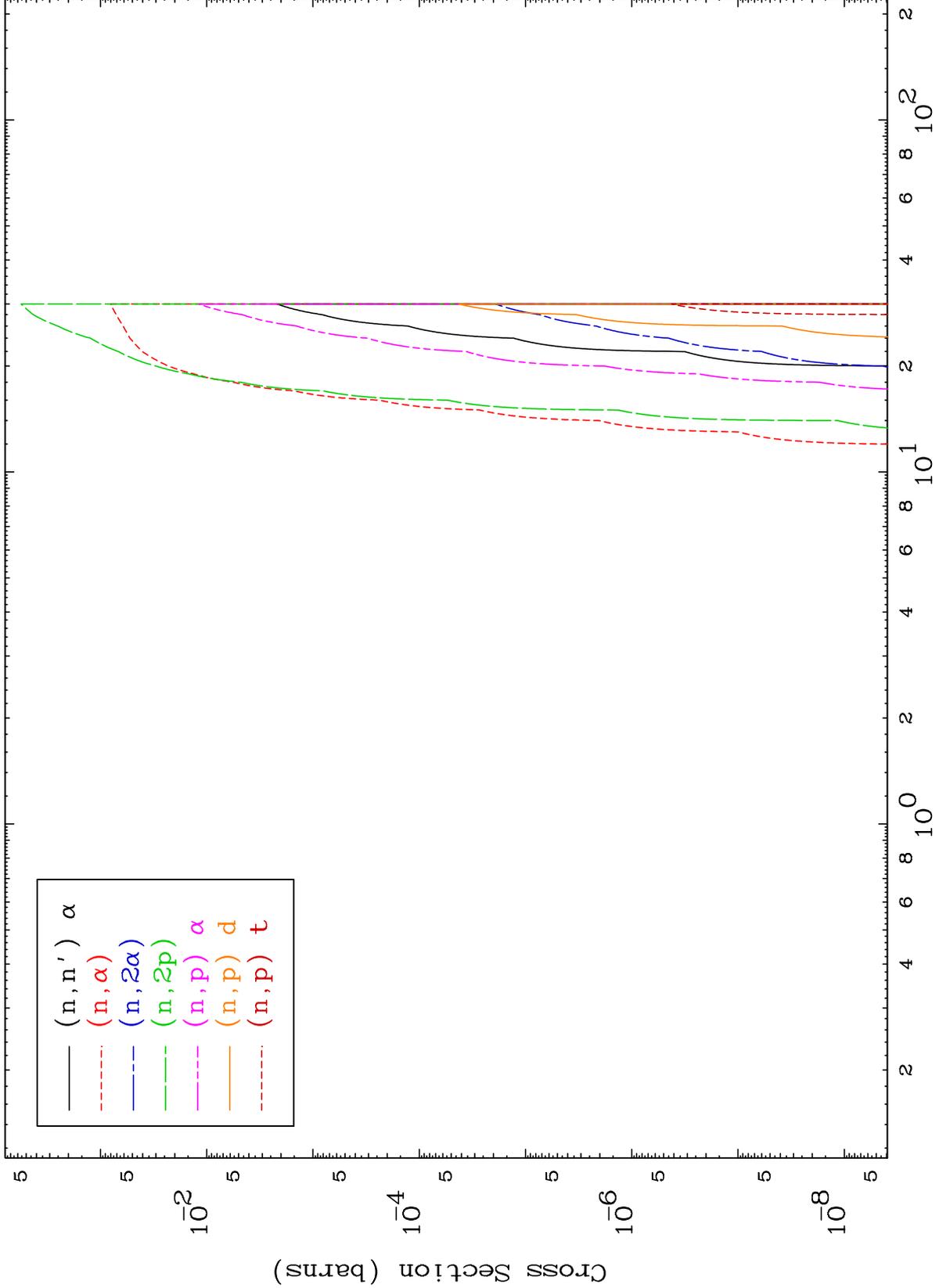
64-Gd-142



64-Gd-142

Incident Energy (MeV)



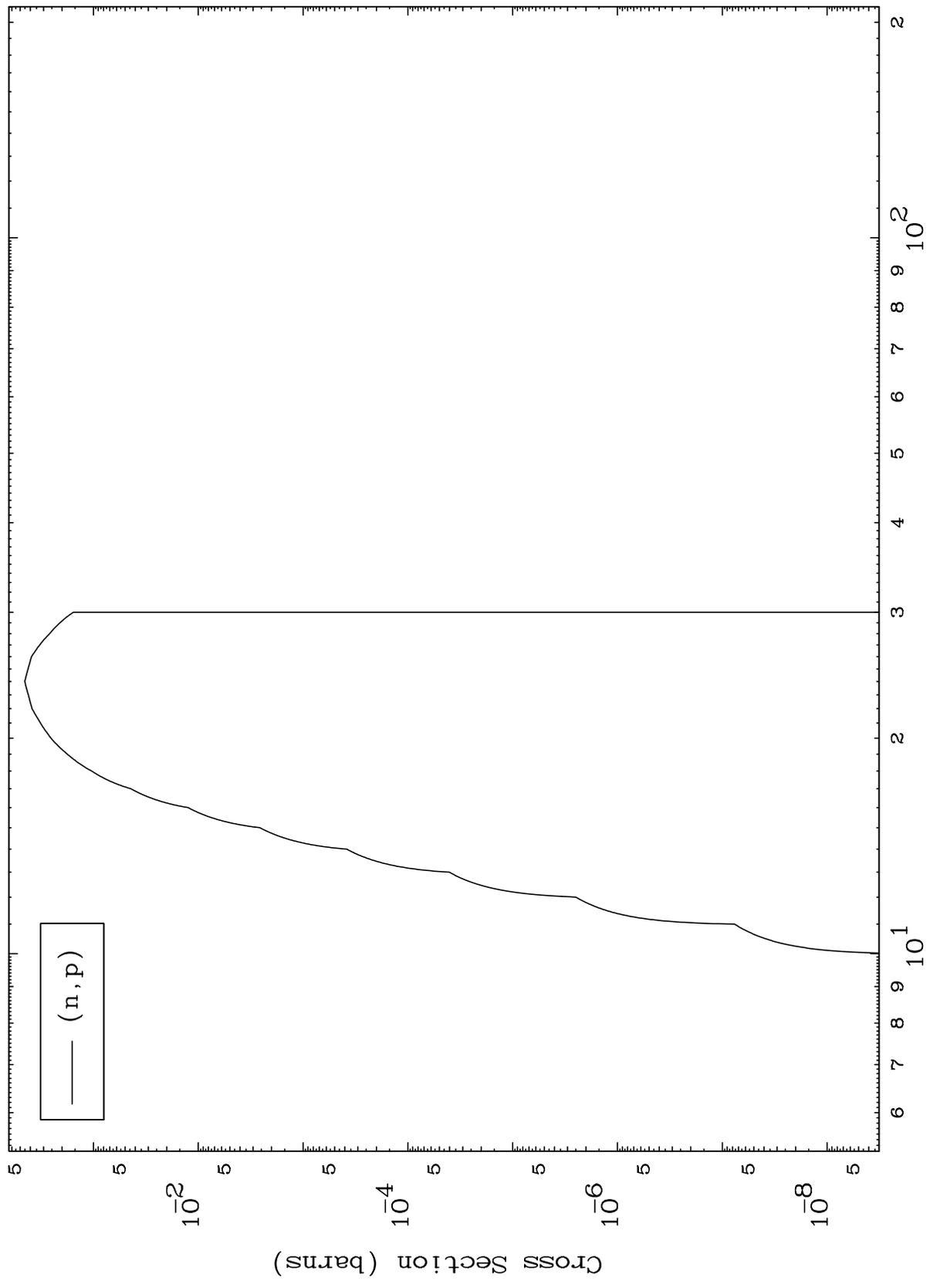


MAT 6395

( $\alpha, p$ ) Levels

64-Gd-142

0 Kelvin Cross Sections



6

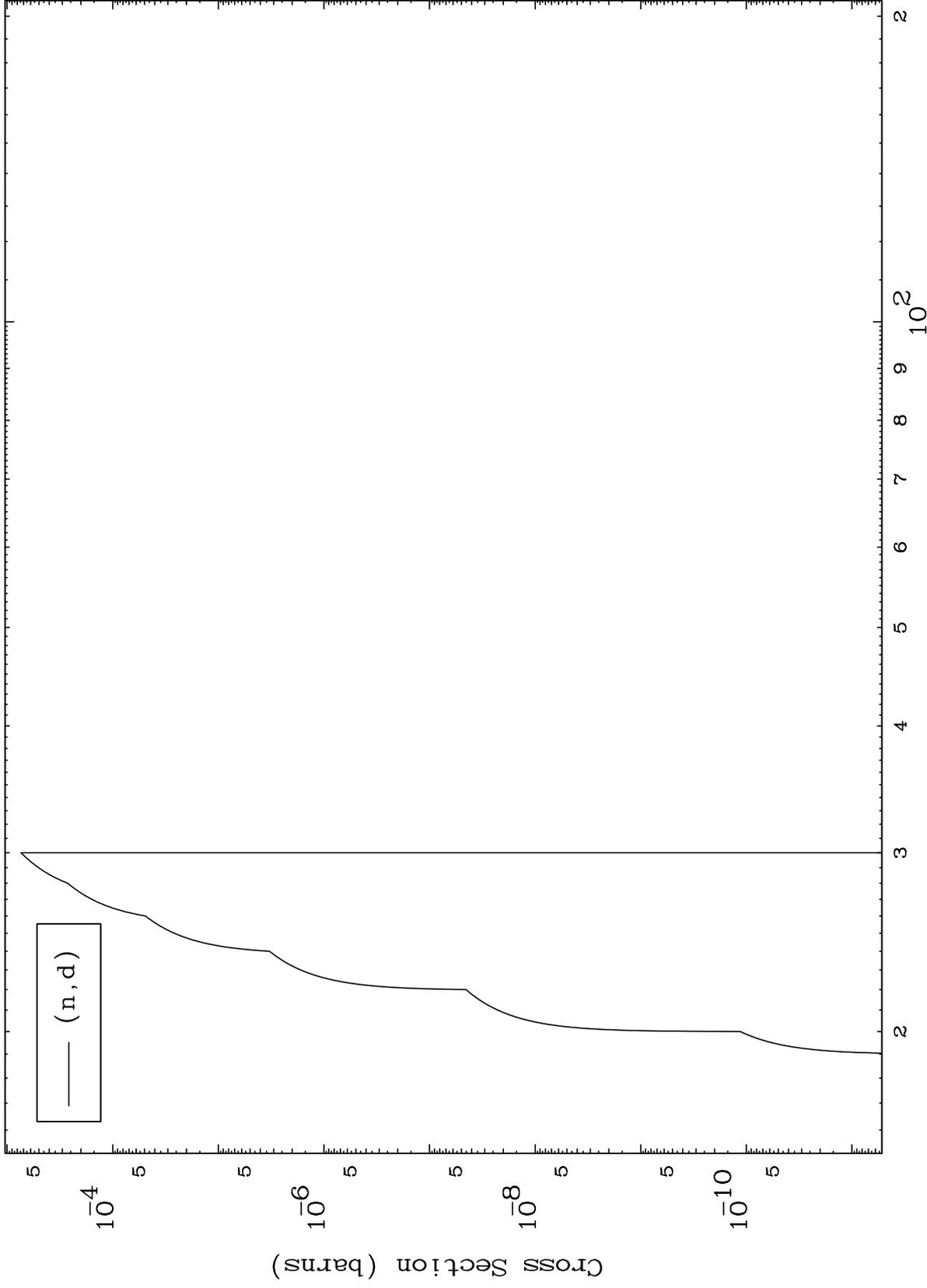
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



7

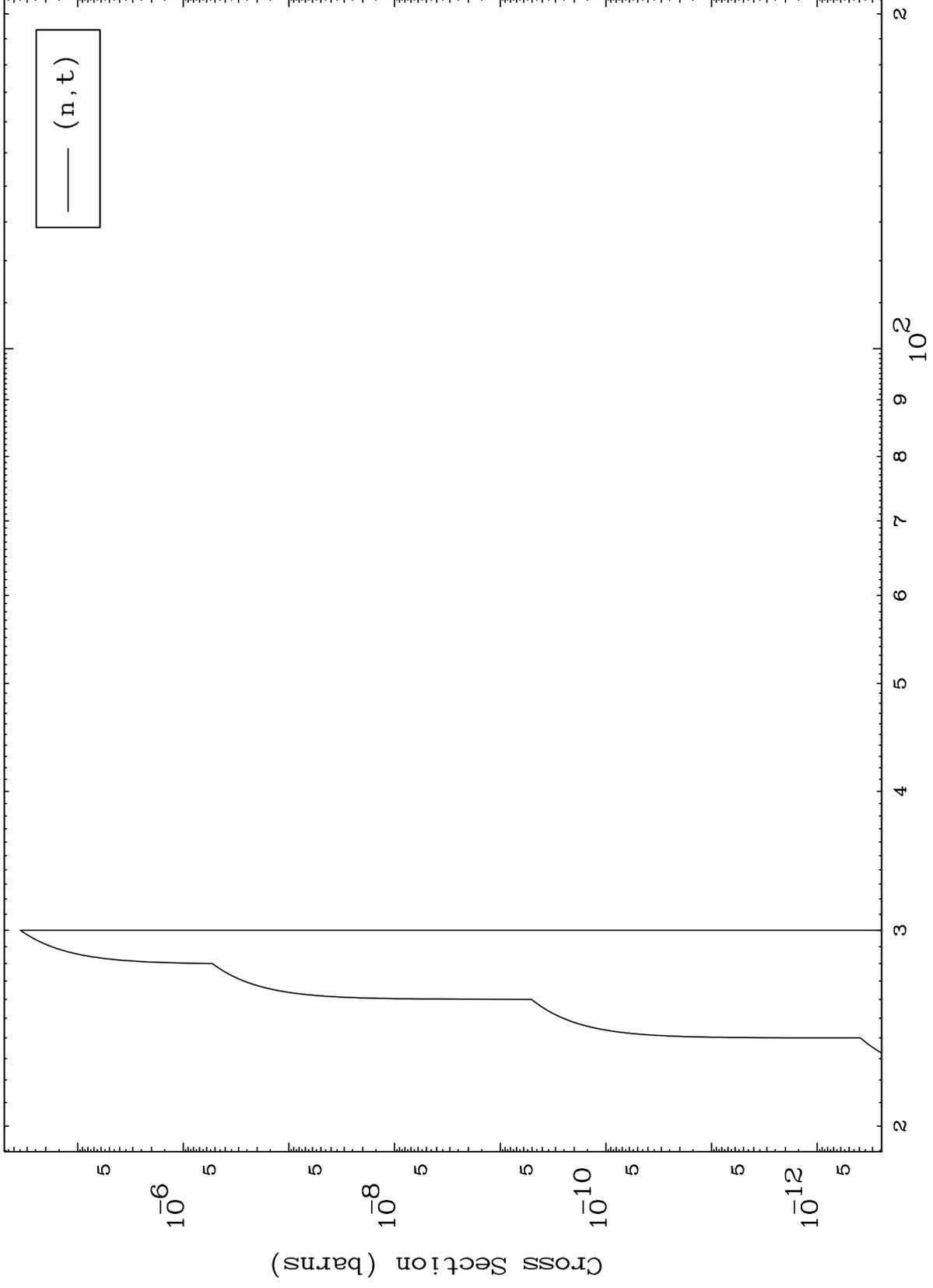
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

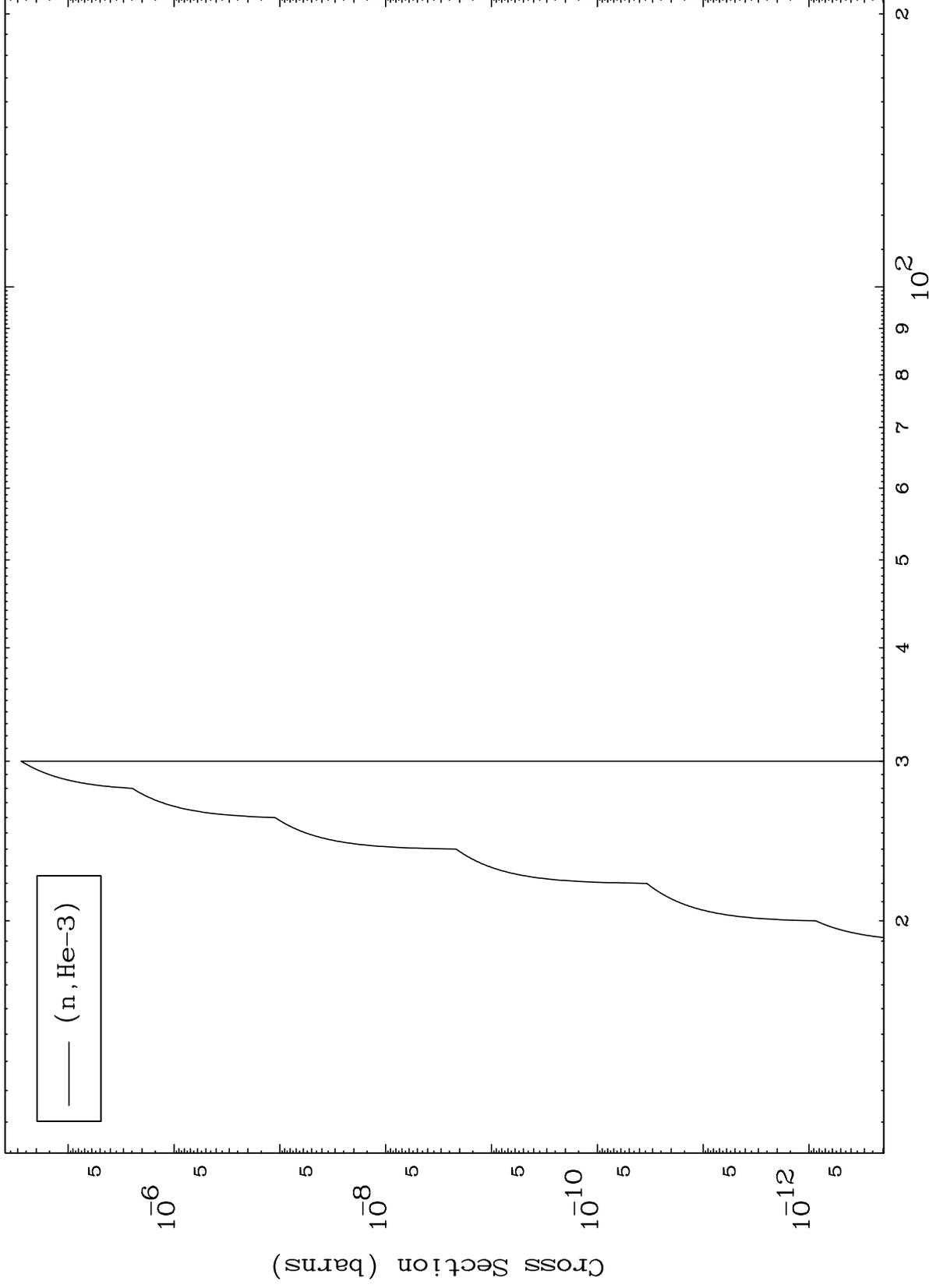
64-Gd-142



8

Incident Energy (MeV)

64-Gd-142

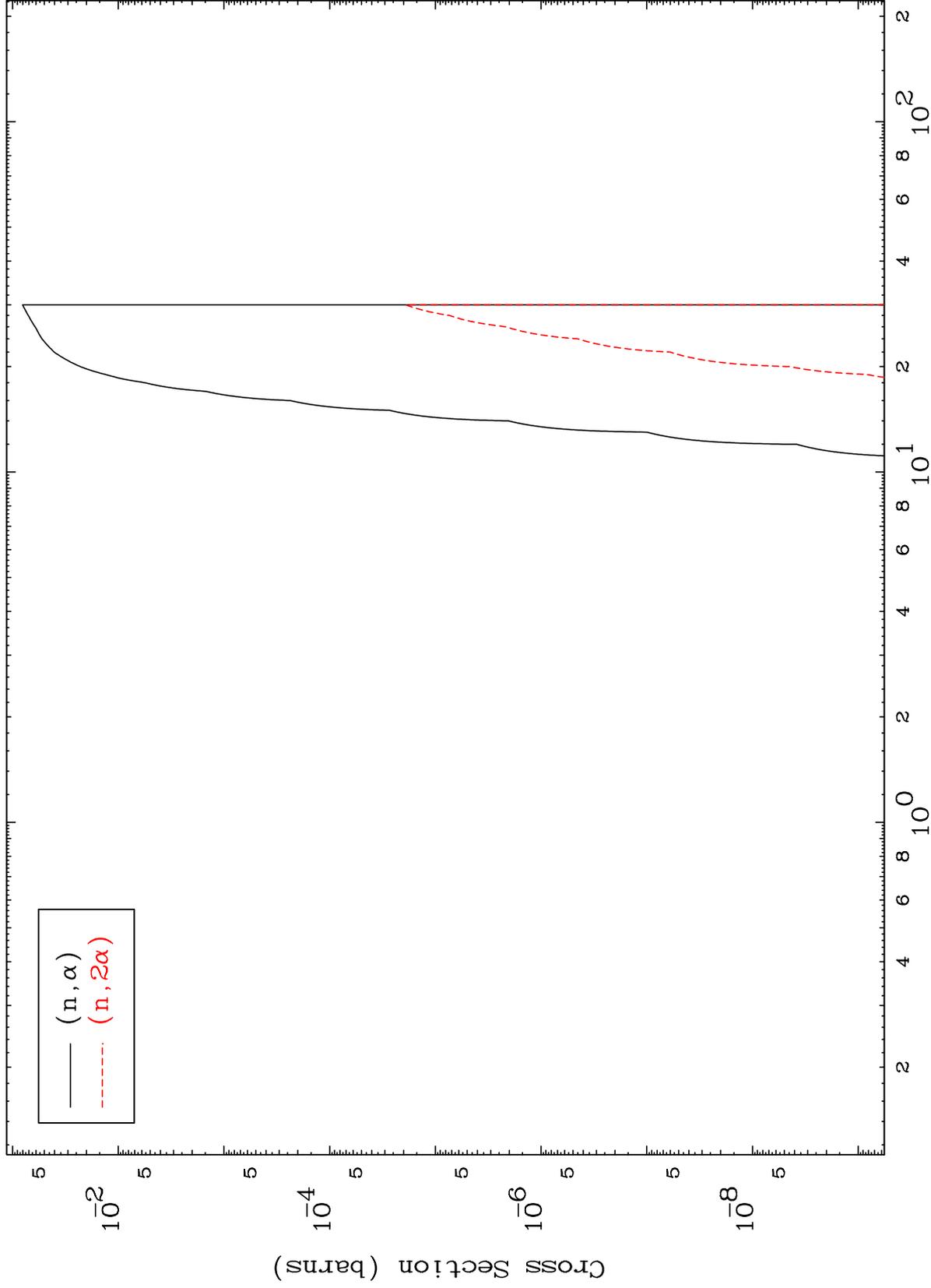


MAT 6395

( $\alpha, \alpha$ ) Levels

64-Gd-142

0 Kelvin Cross Sections



10

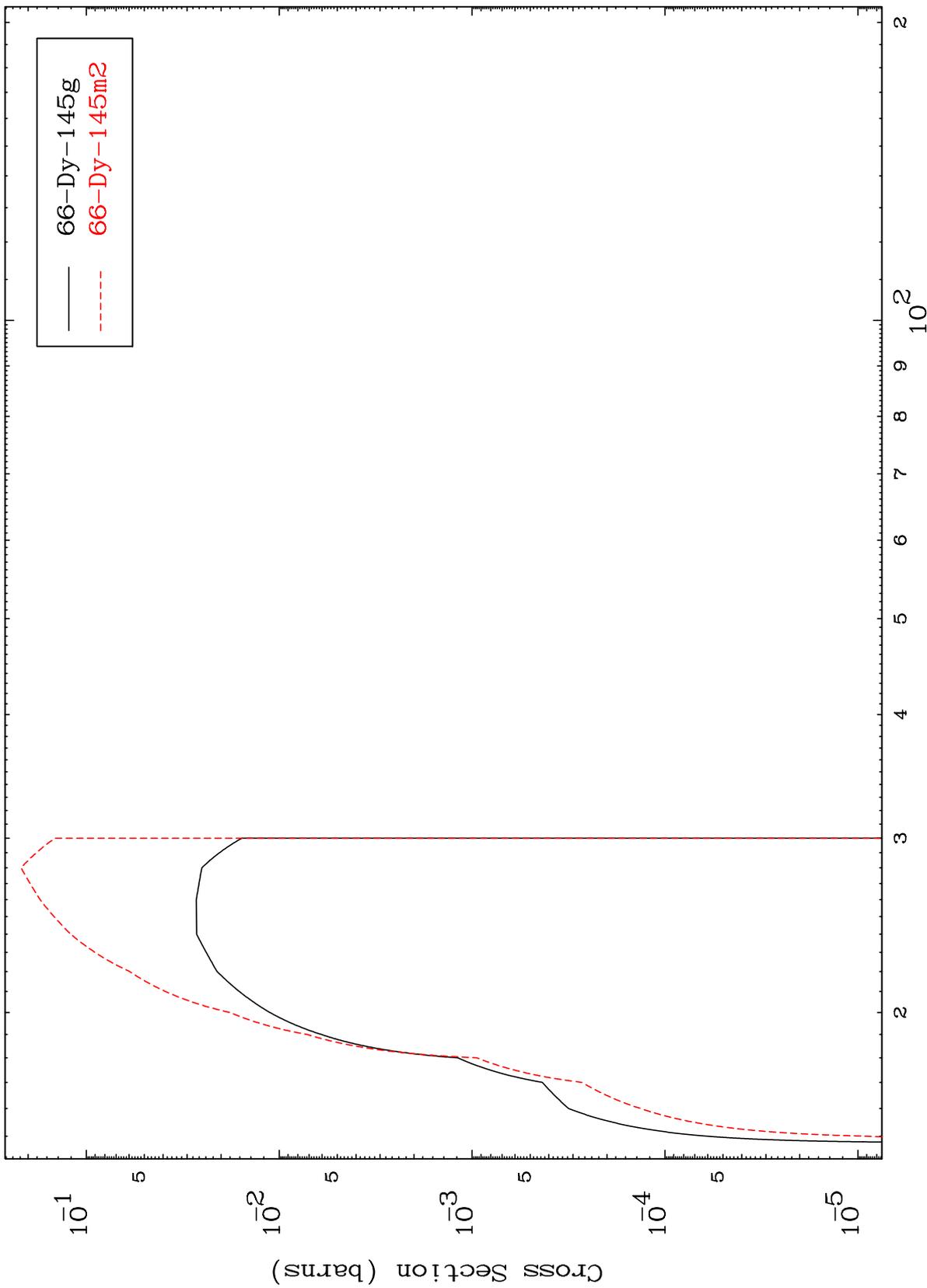
Incident Energy (MeV)

64-Gd-142

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64-Gd-142

Inelastic  
Radionuclide Production Cross Section



11

64-Gd-142

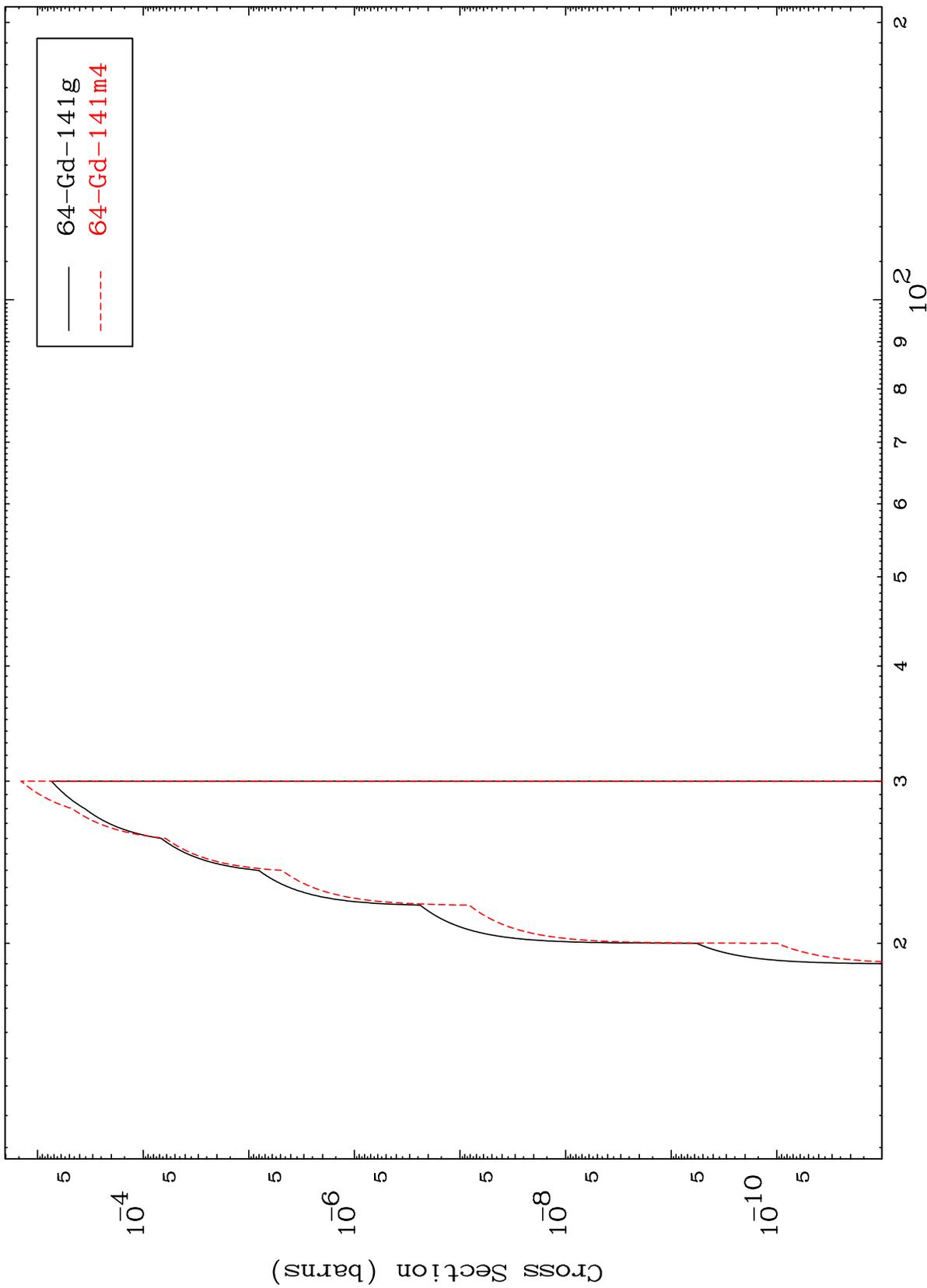
Incident Energy (MeV)

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$(n, n') \alpha$

64-Gd-142

Radionuclide Production Cross Section

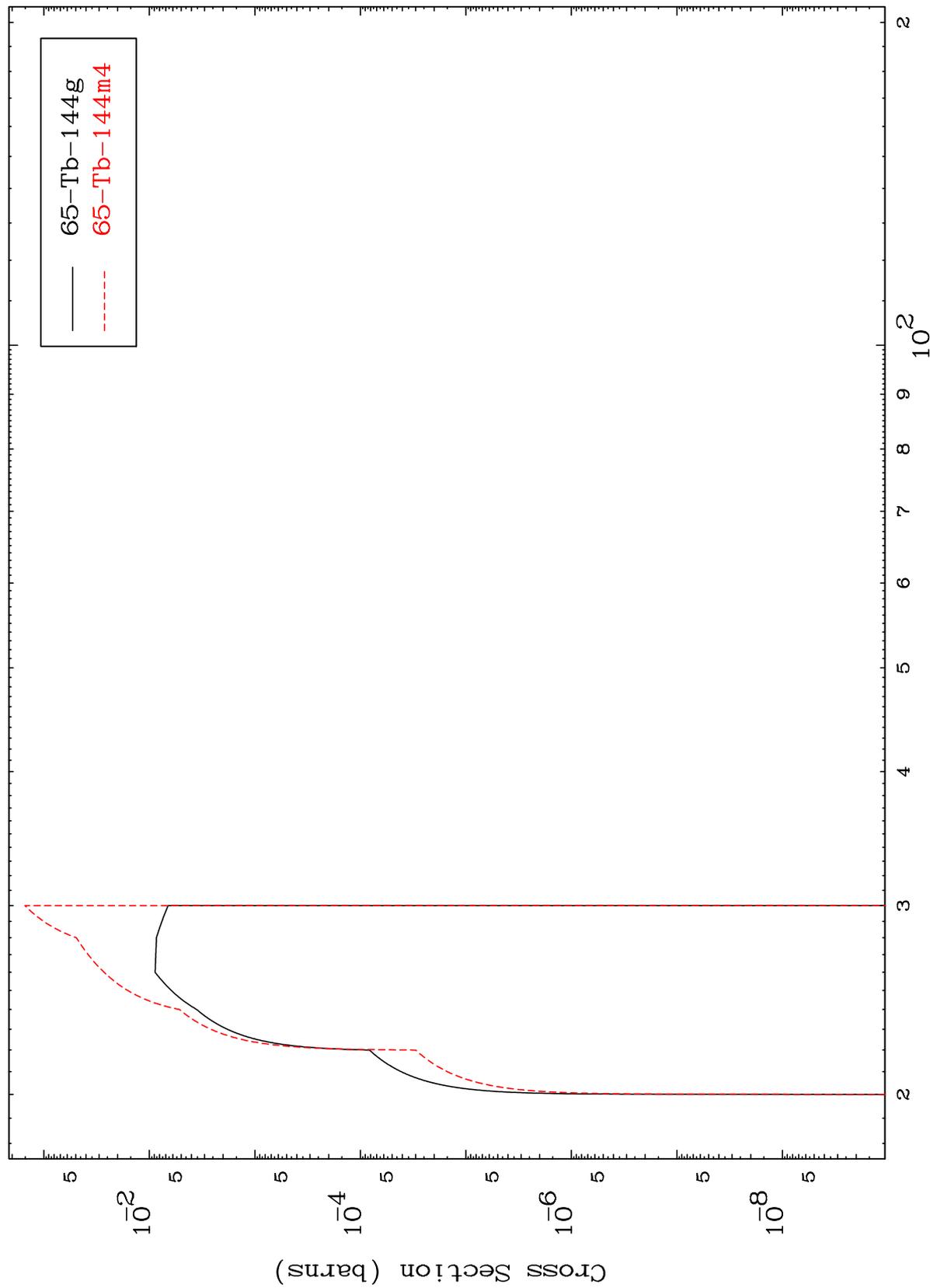


12

Incident Energy (MeV)

64-Gd-142

Radionuclide Production Cross Section

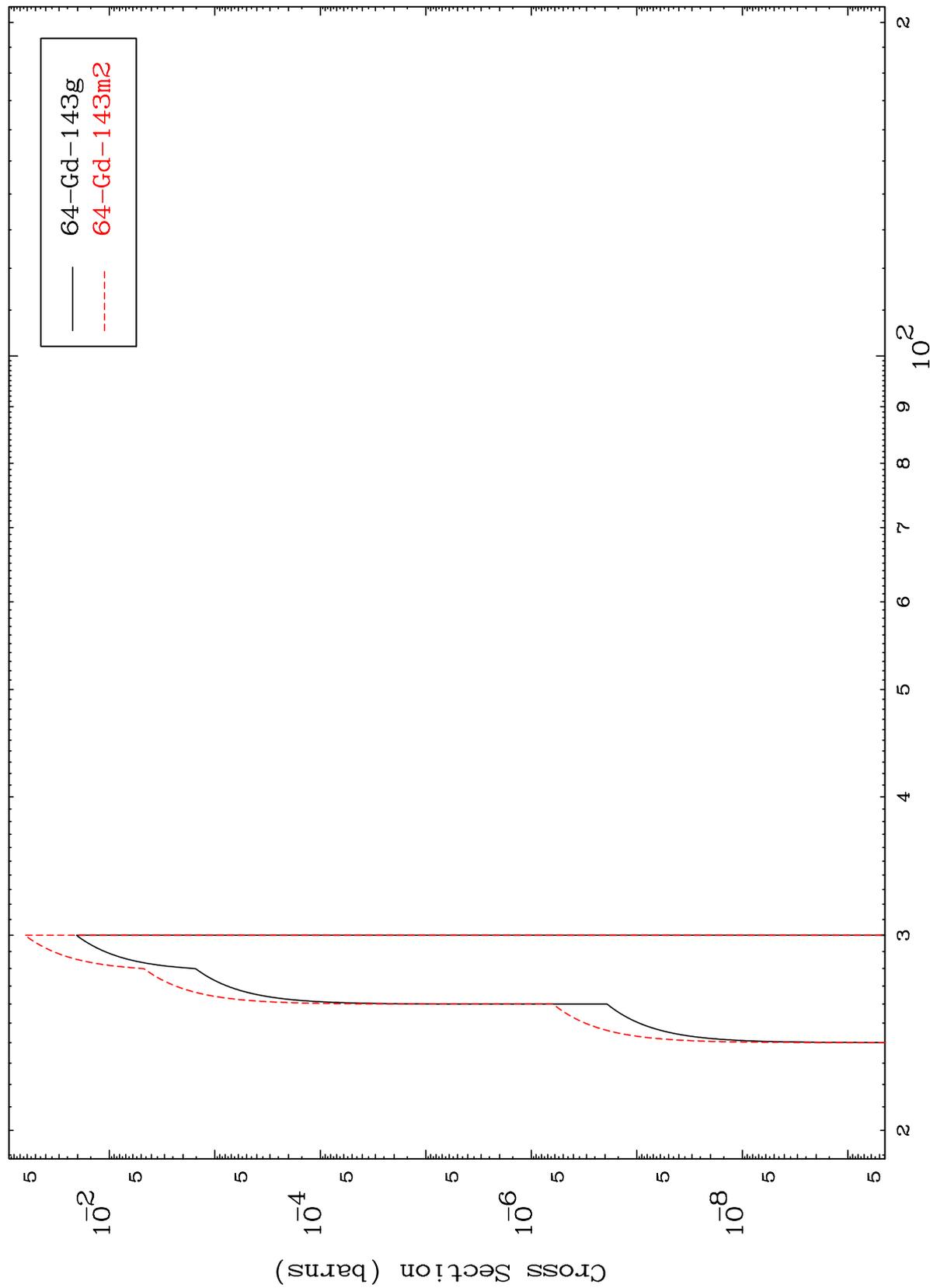


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(n,2n) p

64-Gd-142

Radionuclide Production Cross Section



14

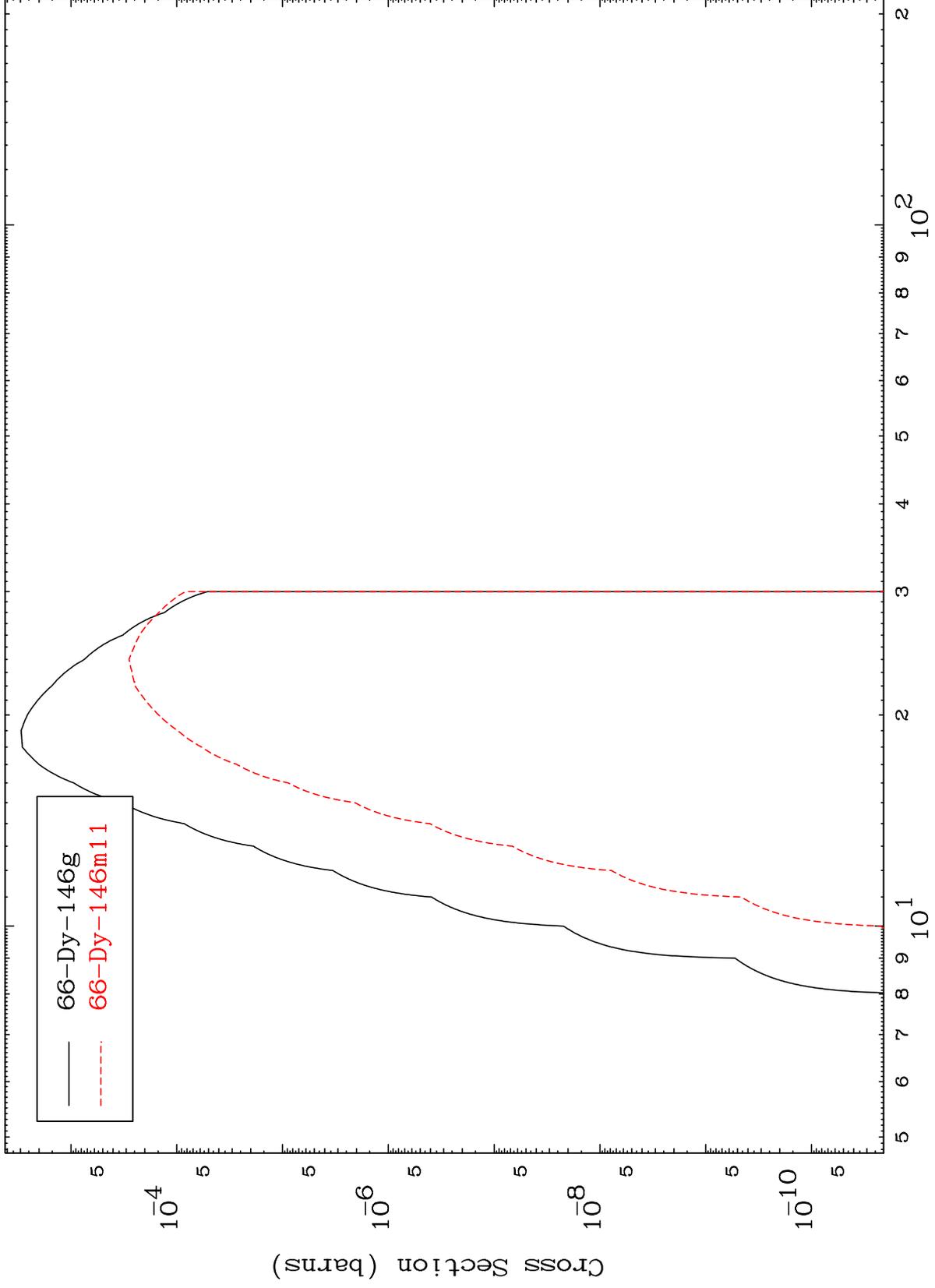
Incident Energy (MeV)

64-Gd-142

MAT 6395

64-Gd-142

(n,γ)  
Radionuclide Production Cross Section

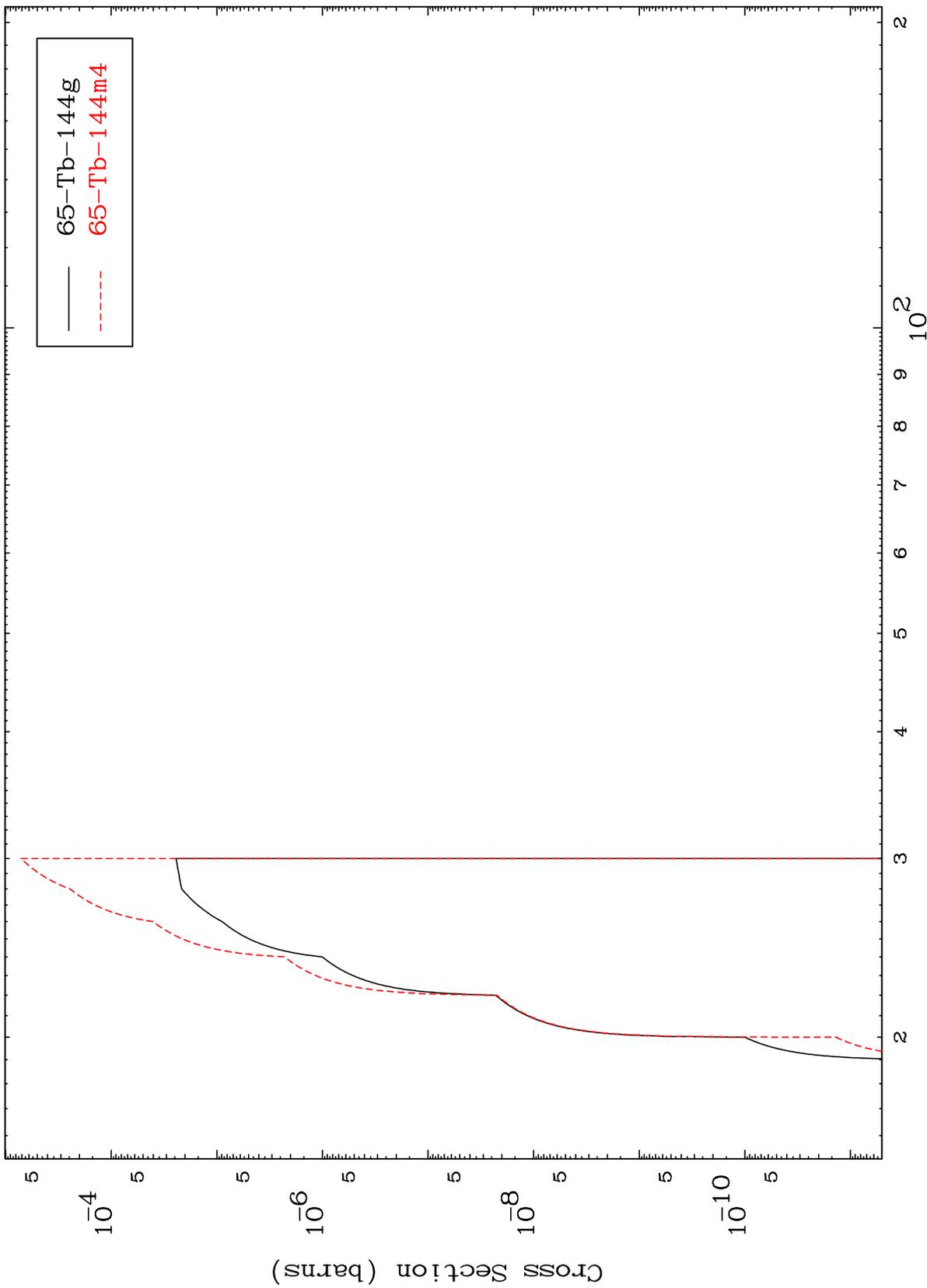


15

Incident Energy (MeV)

64-Gd-142

(n,d)  
Radionuclide Production Cross Section

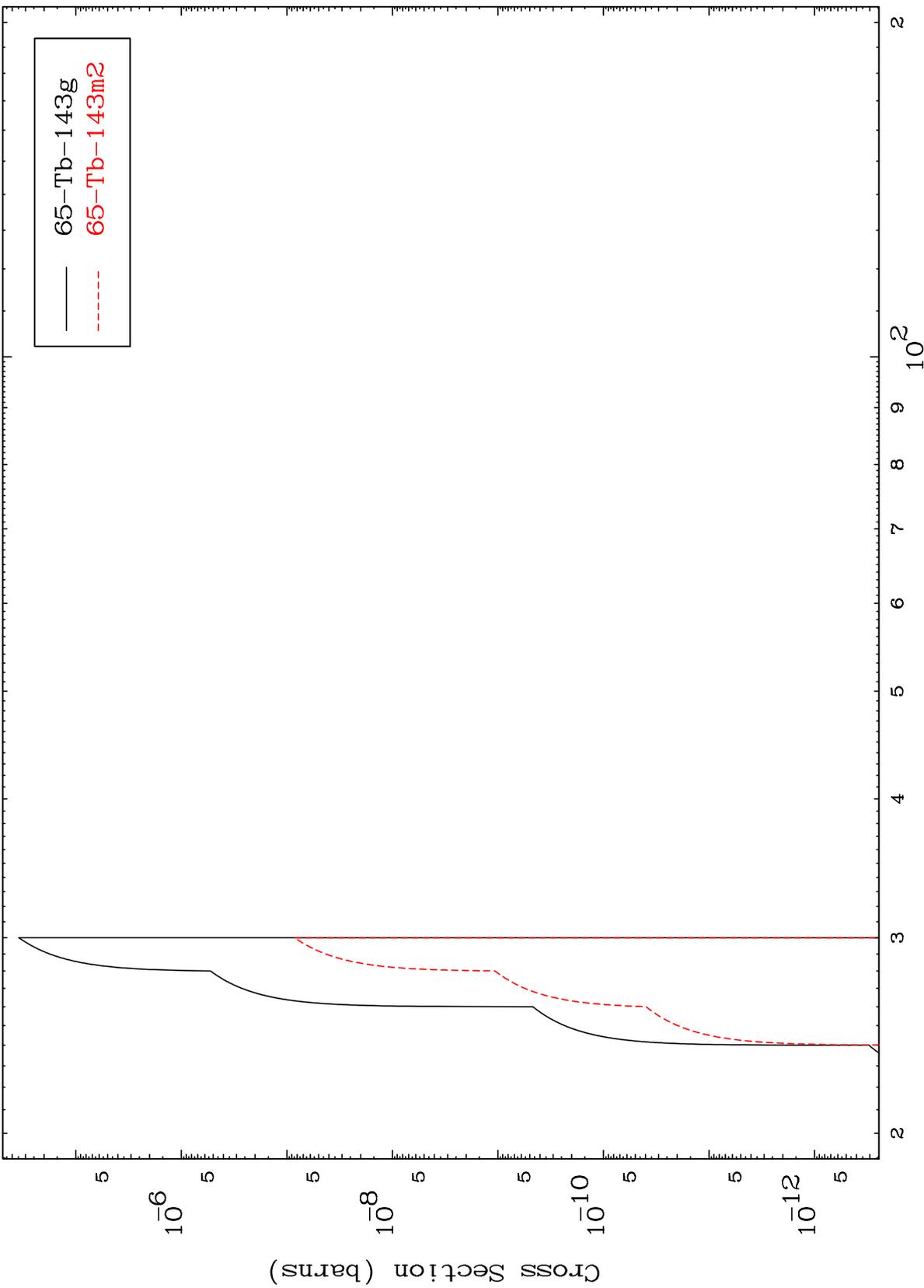


MAT 6395

(n, t)

64-Gd-142

Radionuclide Production Cross Section



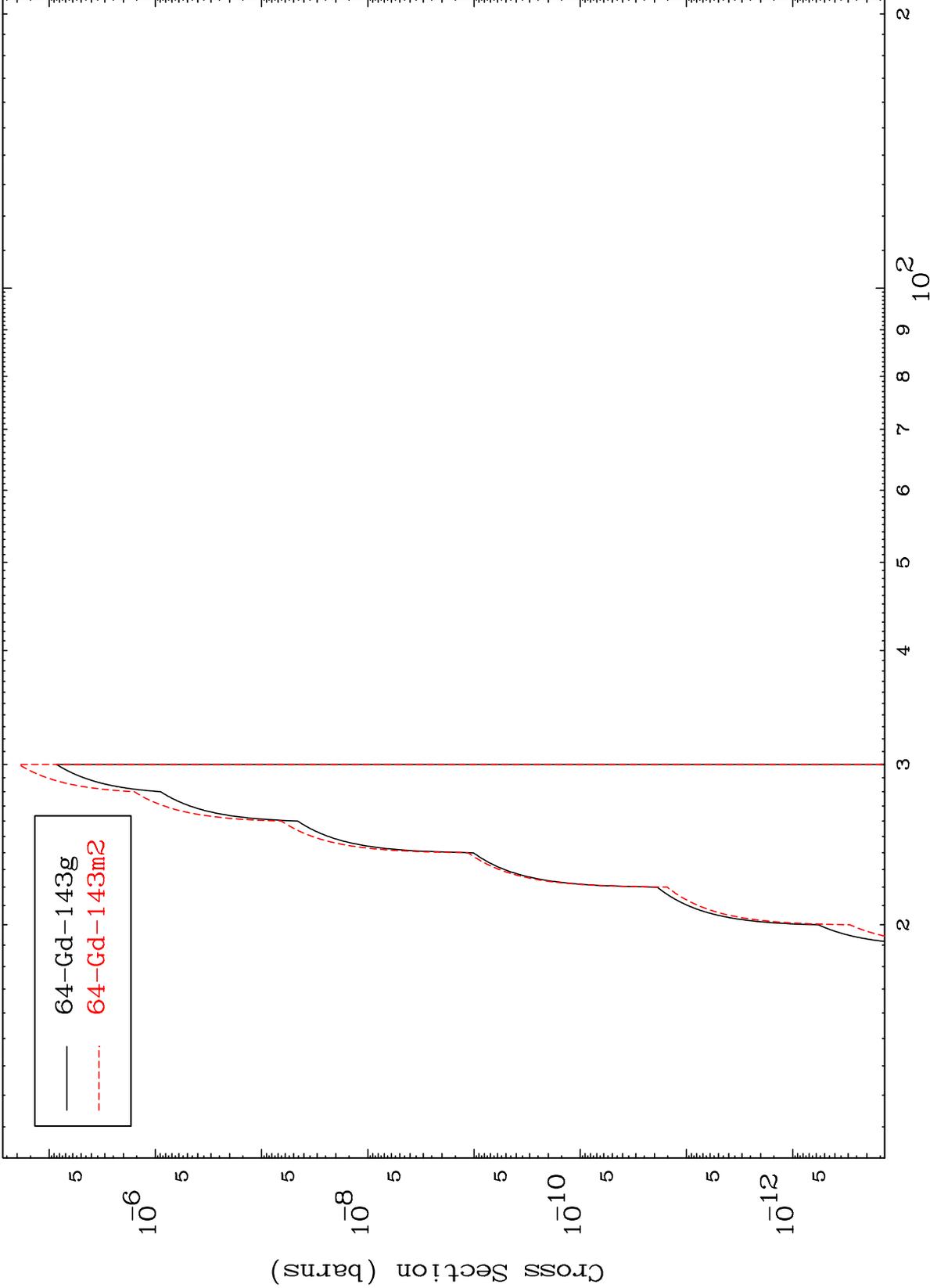
65-Tb-143g  
65-Tb-143m2

17

Incident Energy (MeV)

64-Gd-142

Radionuclide Production Cross Section

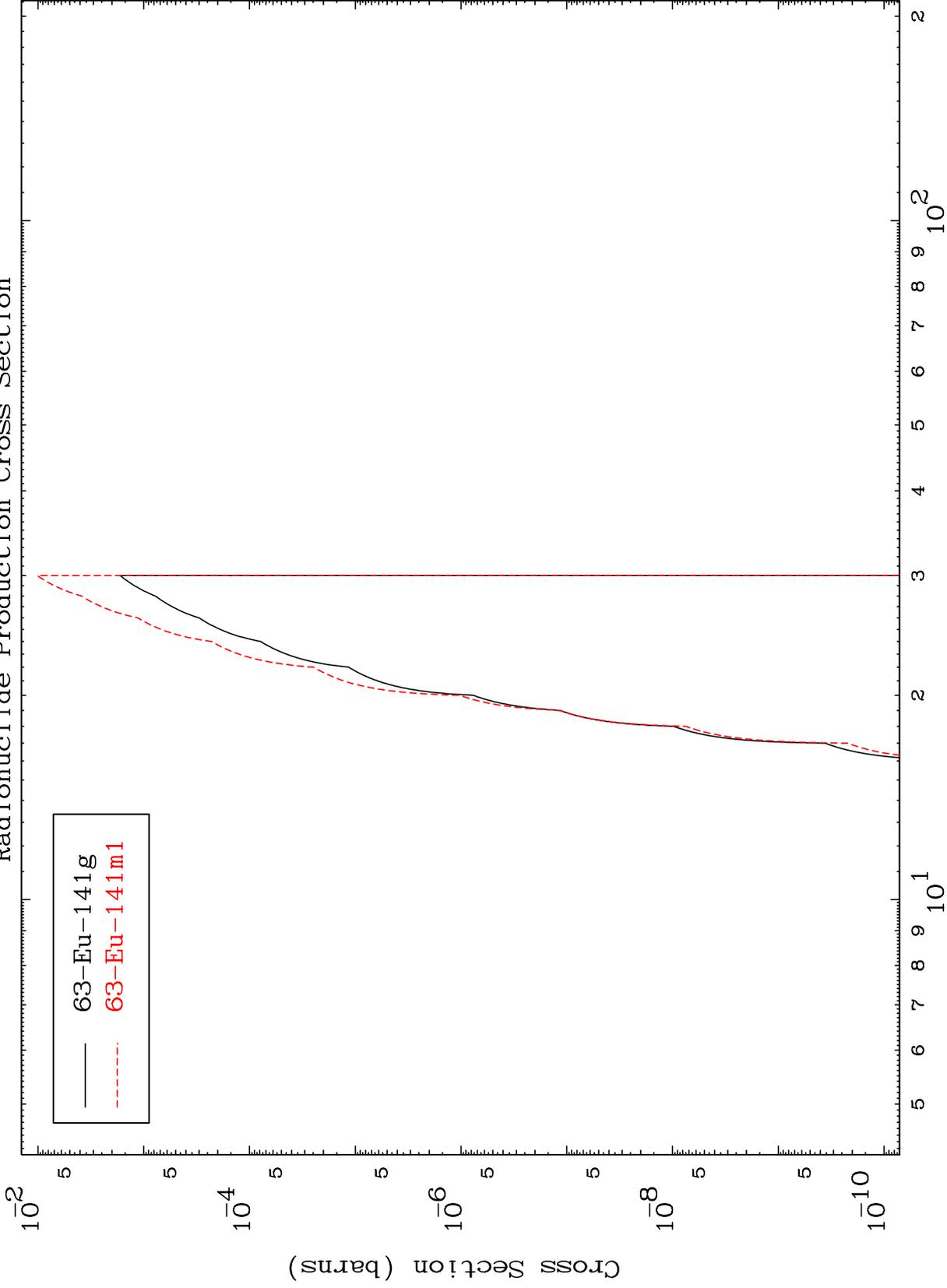


MAT 6395

(n,p)  $\alpha$

64-Gd-142

Radionuclide Production Cross Section



19

Incident Energy (MeV)

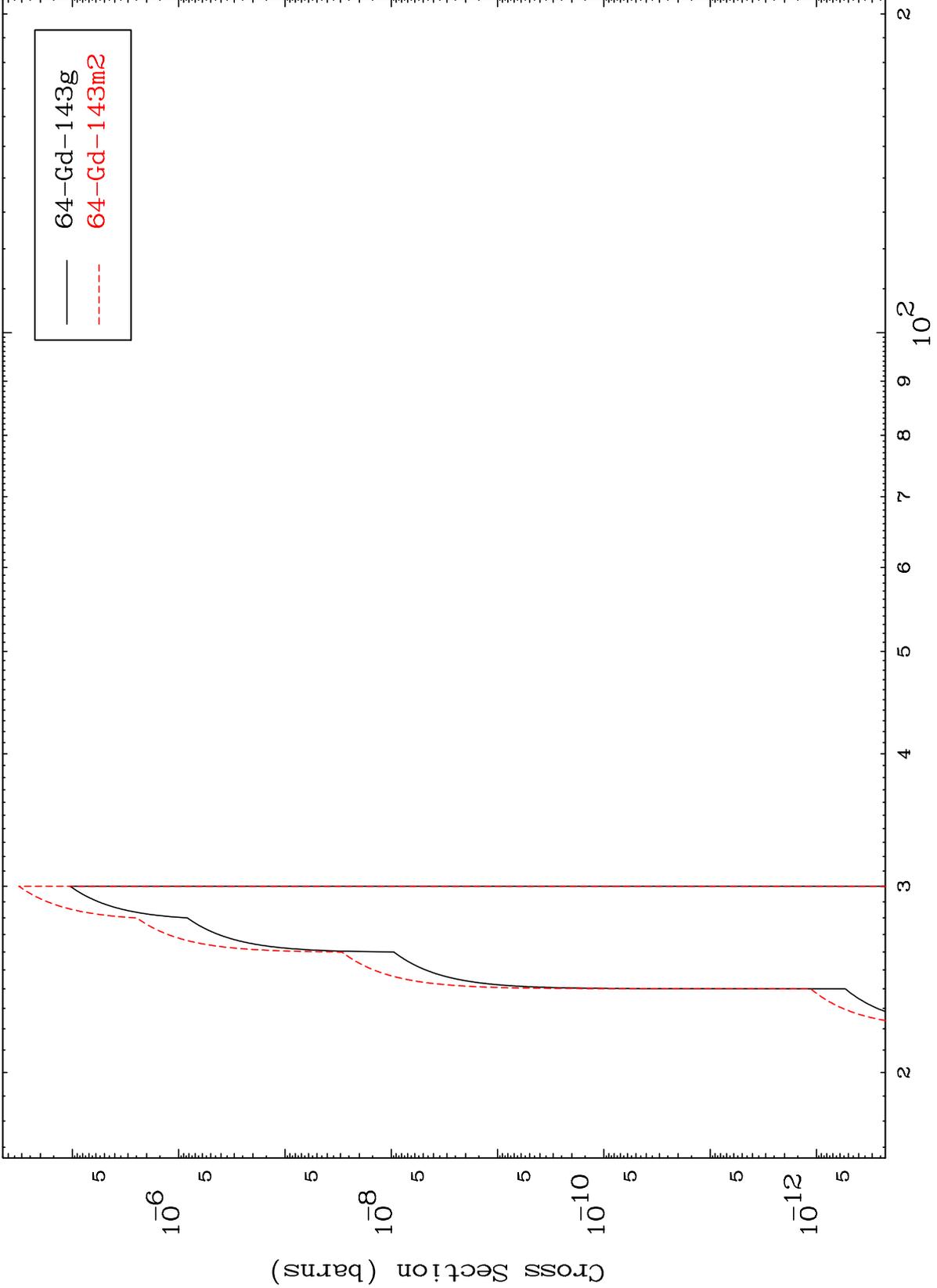
64-Gd-142

MAT 6395

(n,p) d

64-Gd-142

Radionuclide Production Cross Section



20

Incident Energy (MeV)

64-Gd-142