

Program EVALPLOT  
(Version 2021-1)

by

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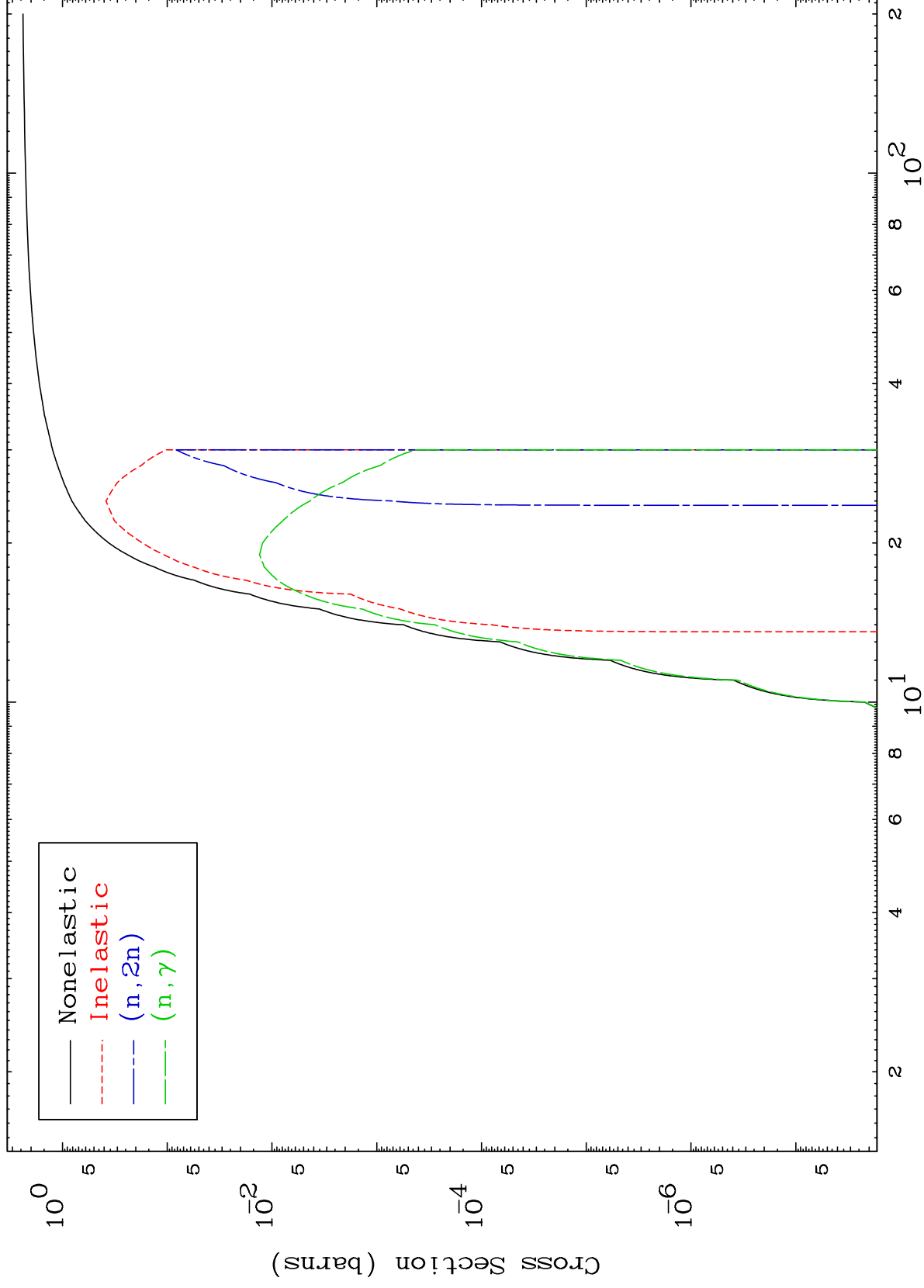
Press Mouse Button to Start

MAT 6401

$\alpha$  Major

64-Gd-144

0 Kelvin Cross Sections



1

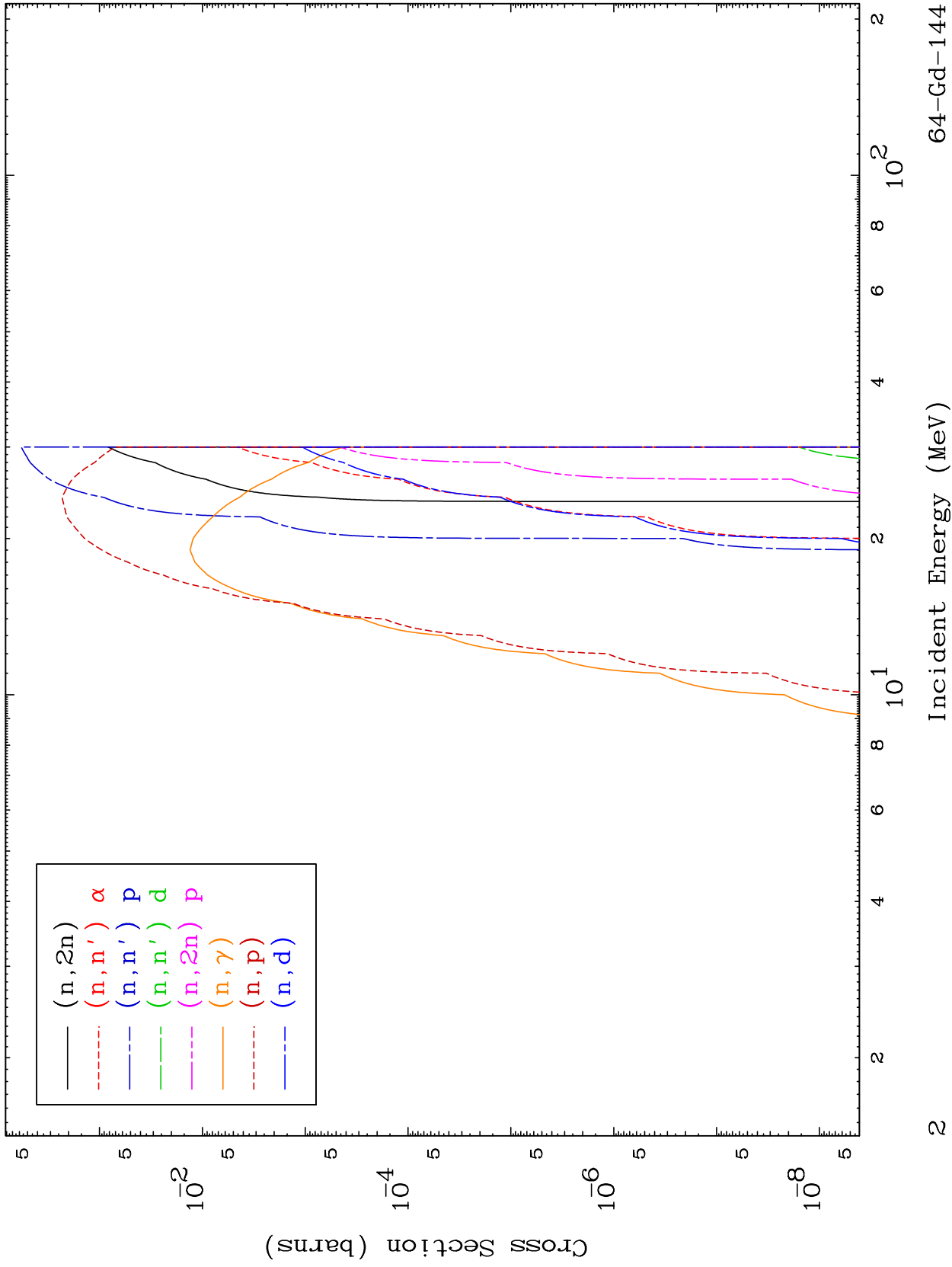
Incident Energy (MeV)

64-Gd-144

MAT 6401

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

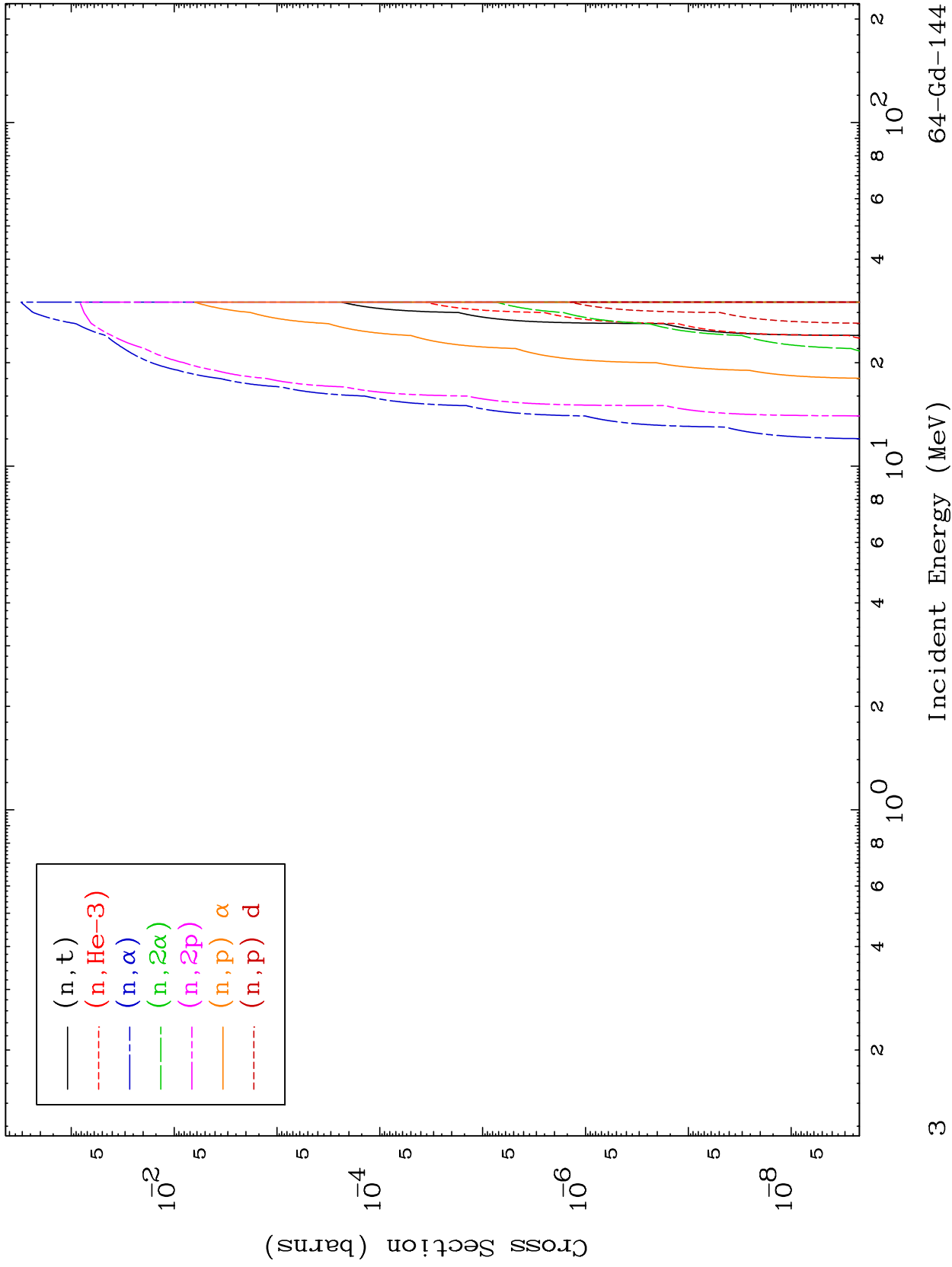
64-Gd-144

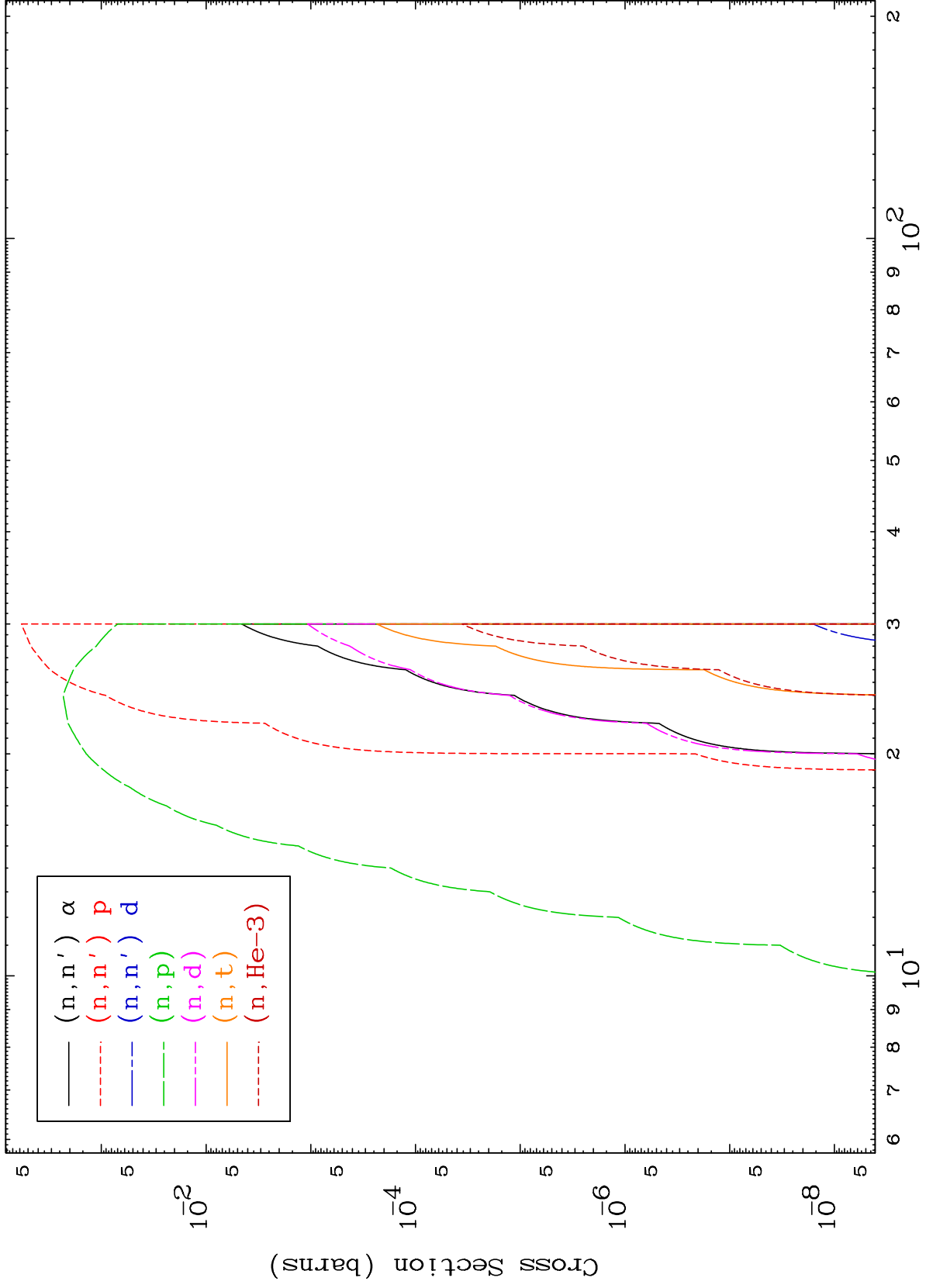


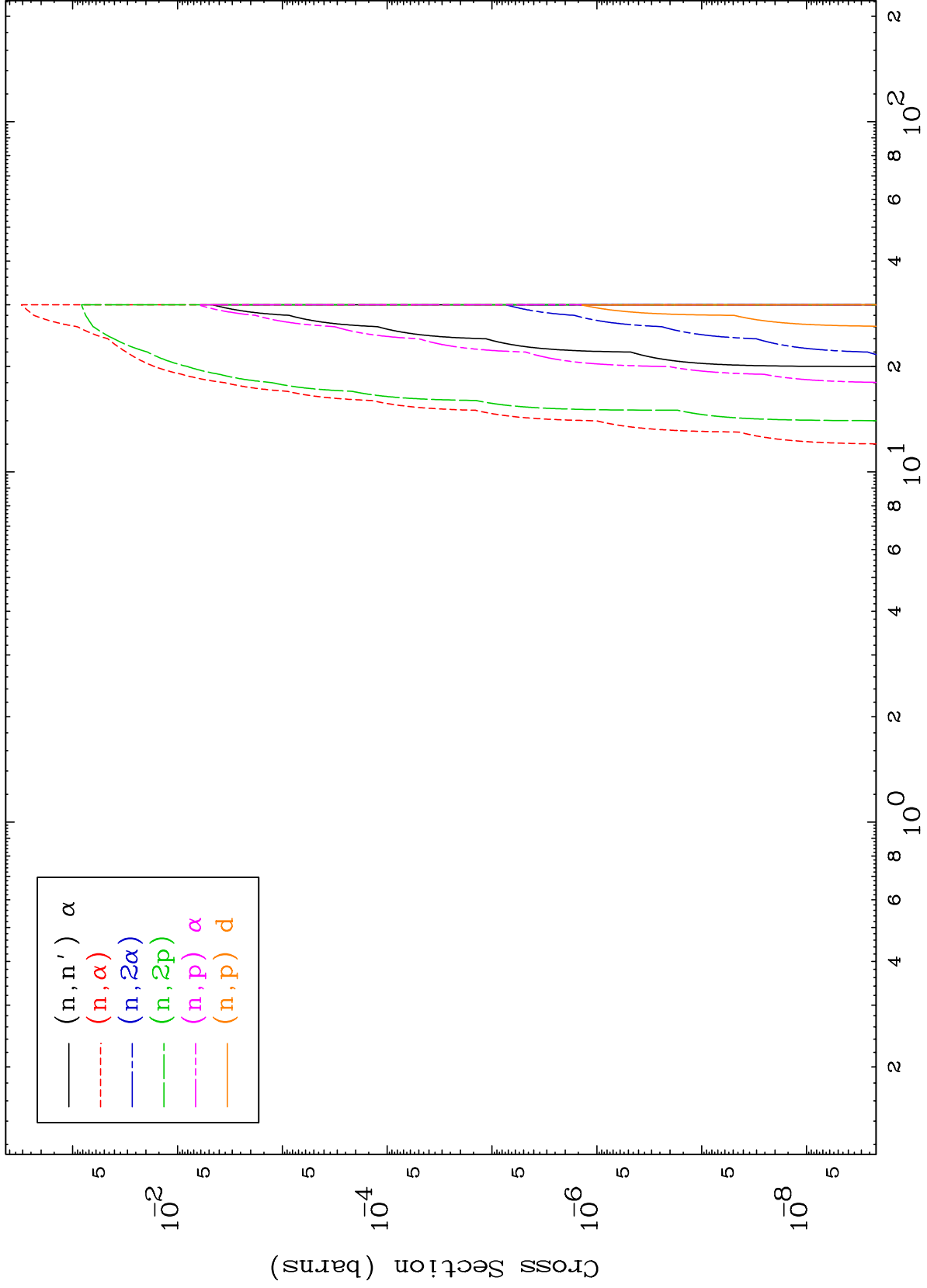
MAT 6401

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

64-Gd-144



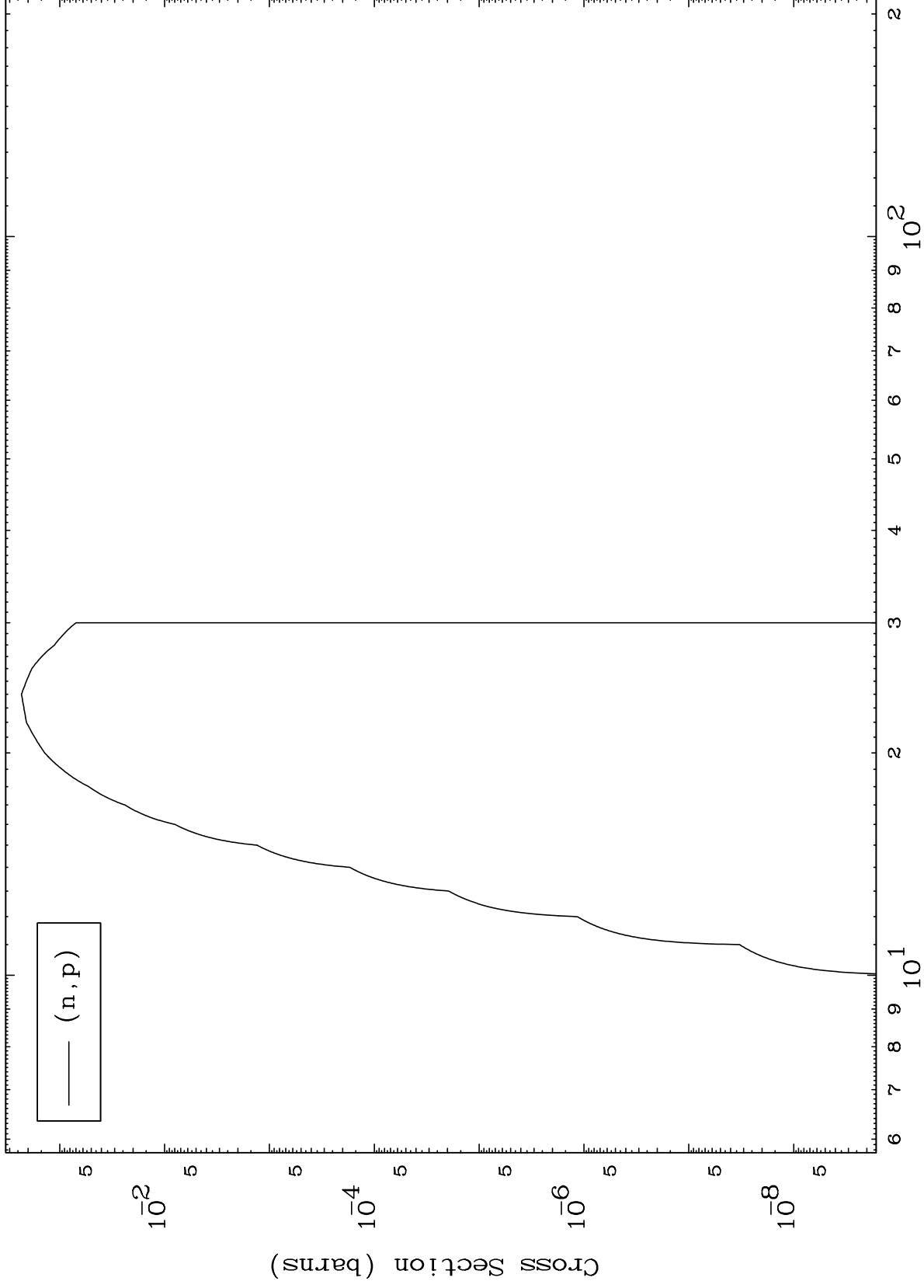




MAT 6401

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

64-Gd-144



(n, p)

6

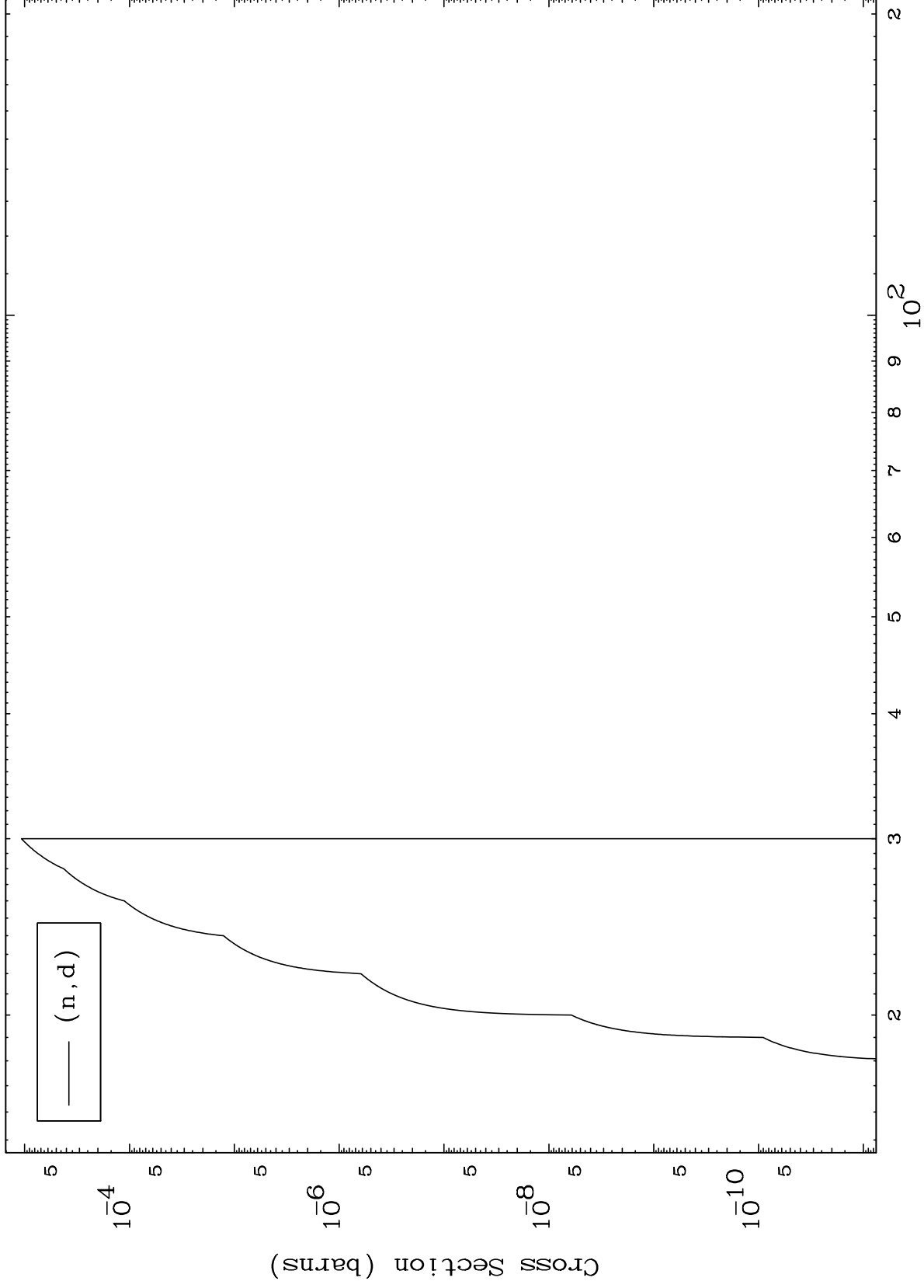
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



7

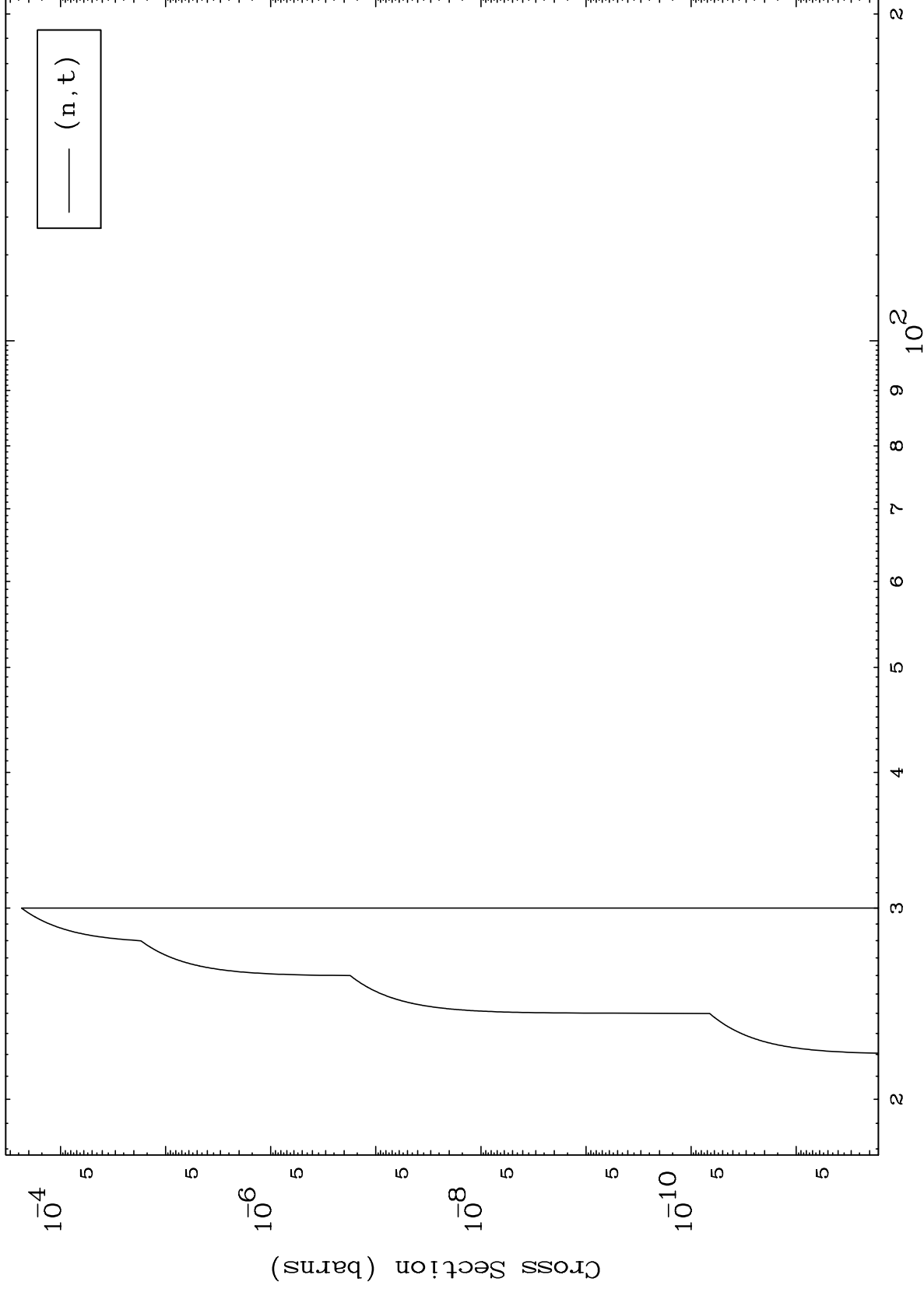
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144

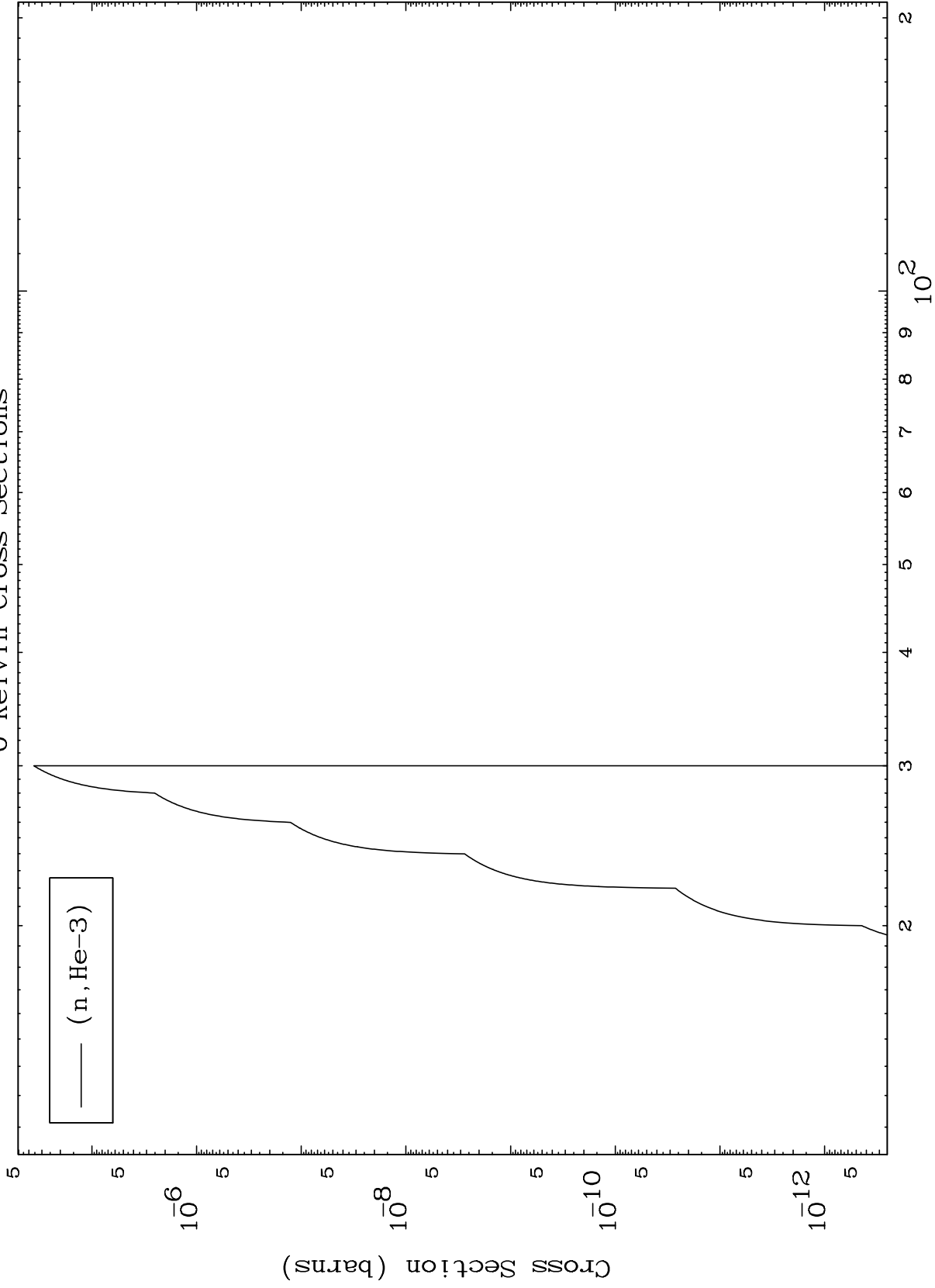


8

Incident Energy (MeV)

64-Gd-144

( $\alpha, \text{He}3$ ) Levels  
0 Kelvin Cross Sections

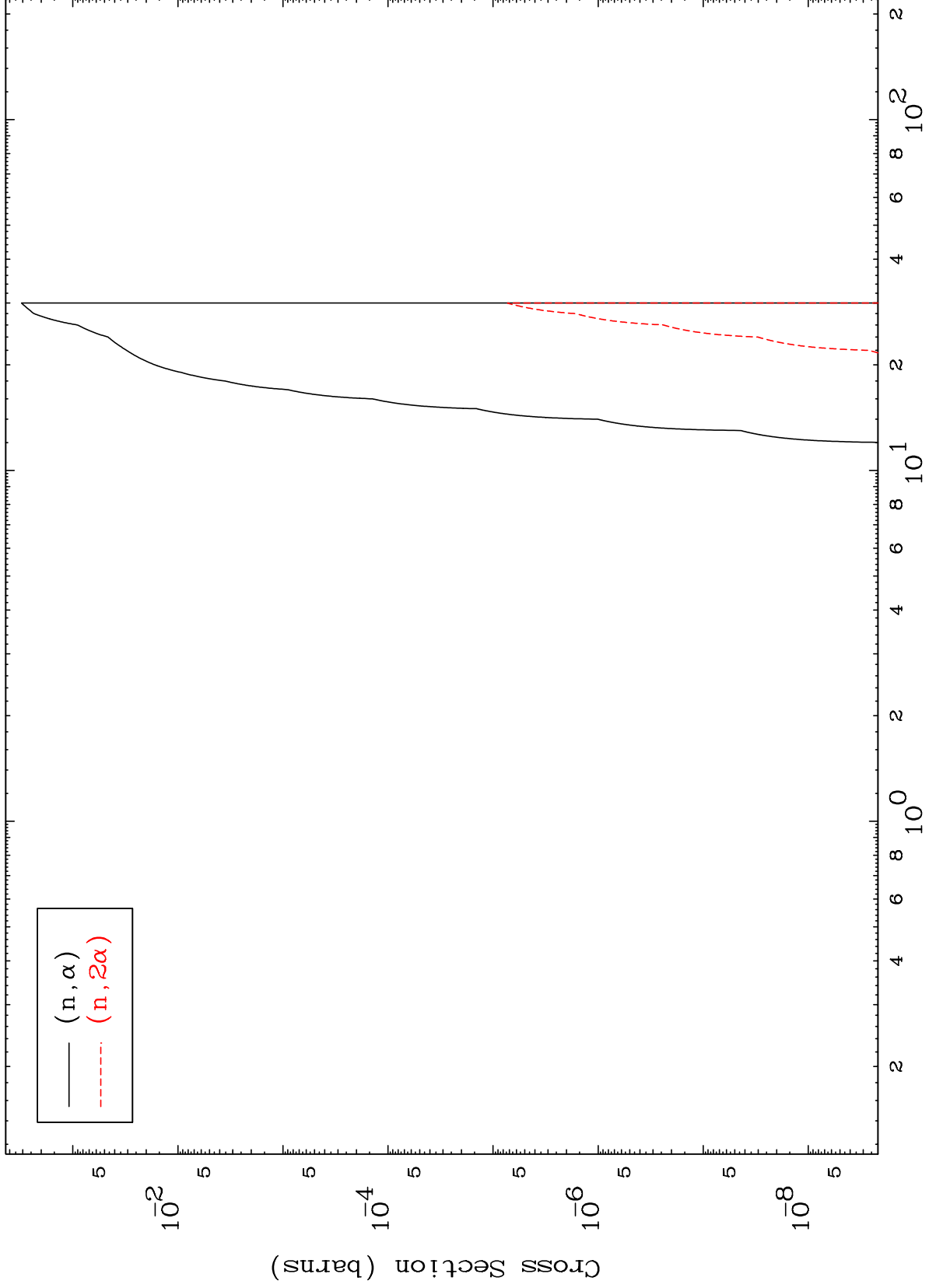


MAT 6401

( $\alpha, \alpha$ ) Levels

64-Gd-144

0 Kelvin Cross Sections



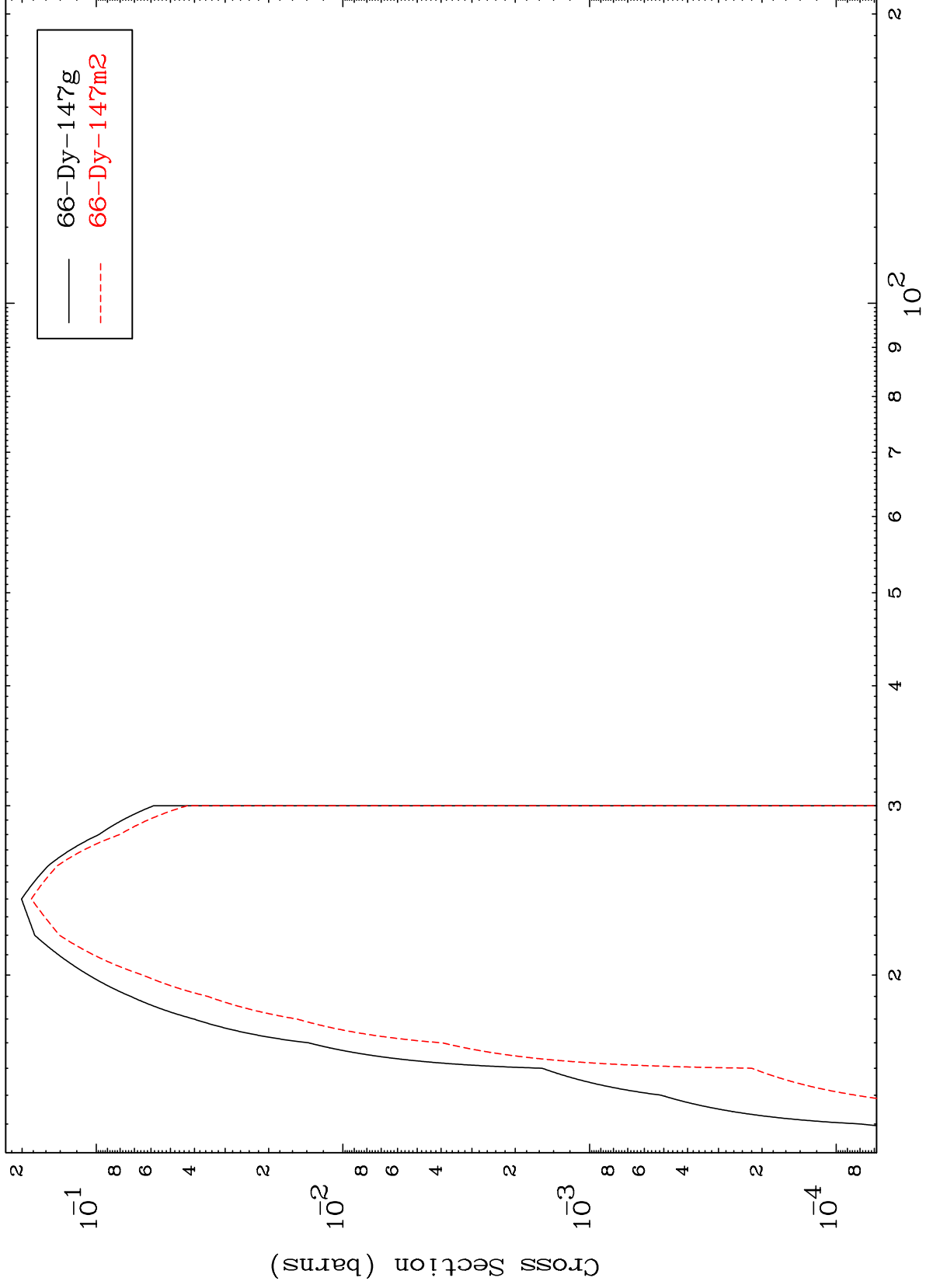
— ( $n, \alpha$ )  
- - - ( $n, 2\alpha$ )

10

Incident Energy (MeV)

64-Gd-144

Inelastic  
Radionuclide Production Cross Section

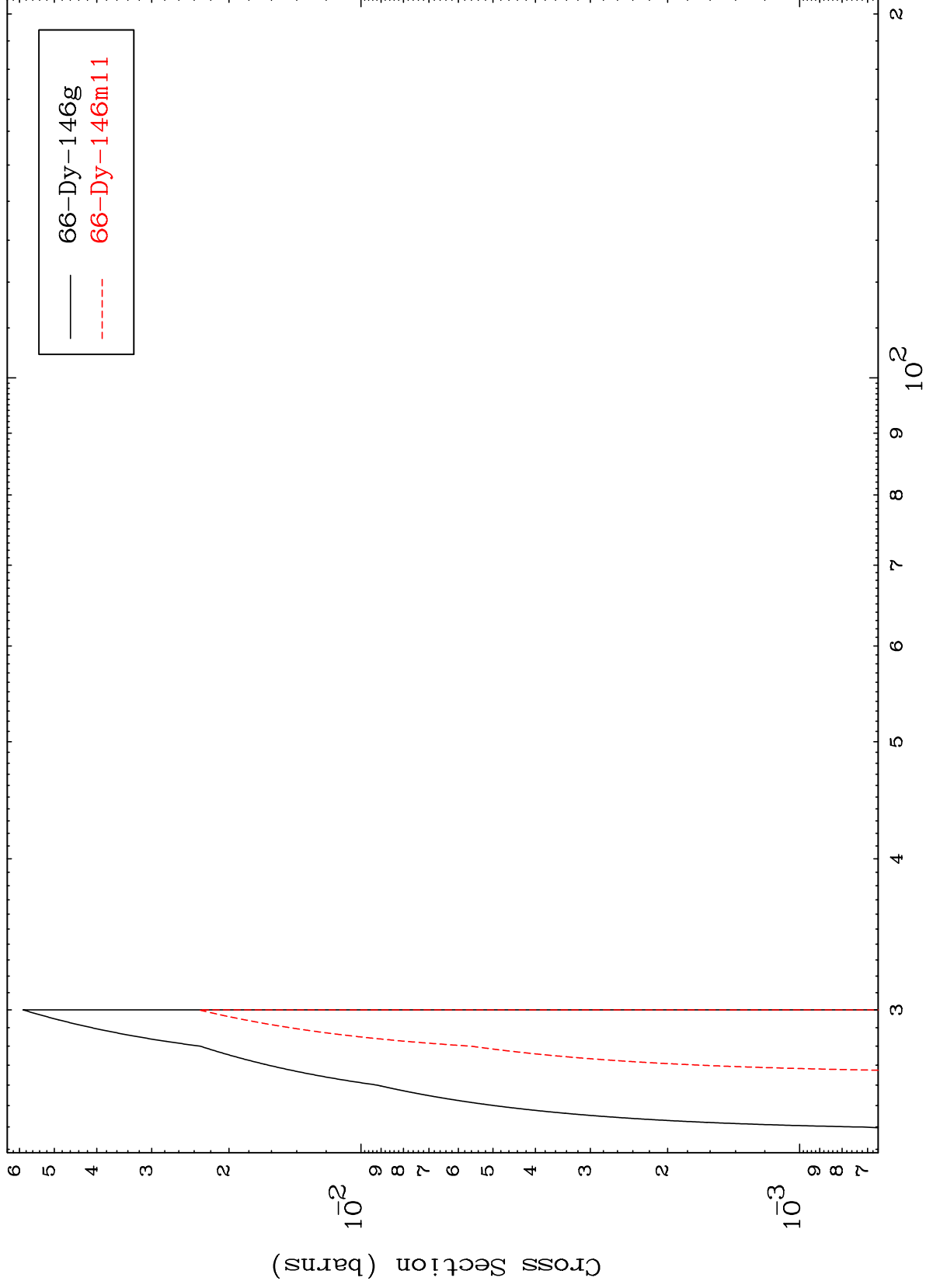


MAT 6401

(n,2n)

64-Gd-144

Radionuclide Production Cross Section



12

Incident Energy (MeV)

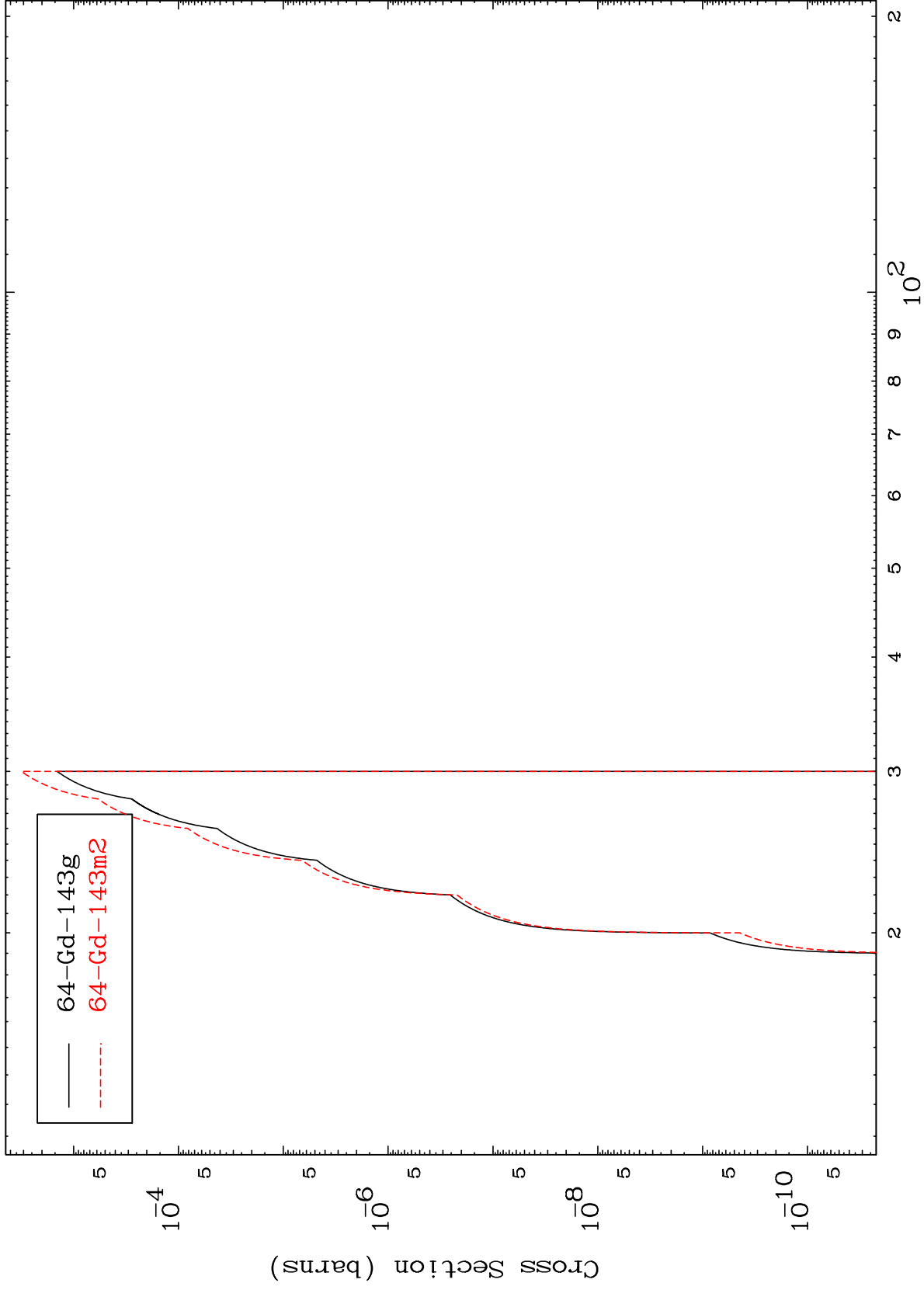
64-Gd-144

MAT 6401

(n,n')  $\alpha$

64-Gd-144

Radionuclide Production Cross Section



13

Incident Energy (MeV)

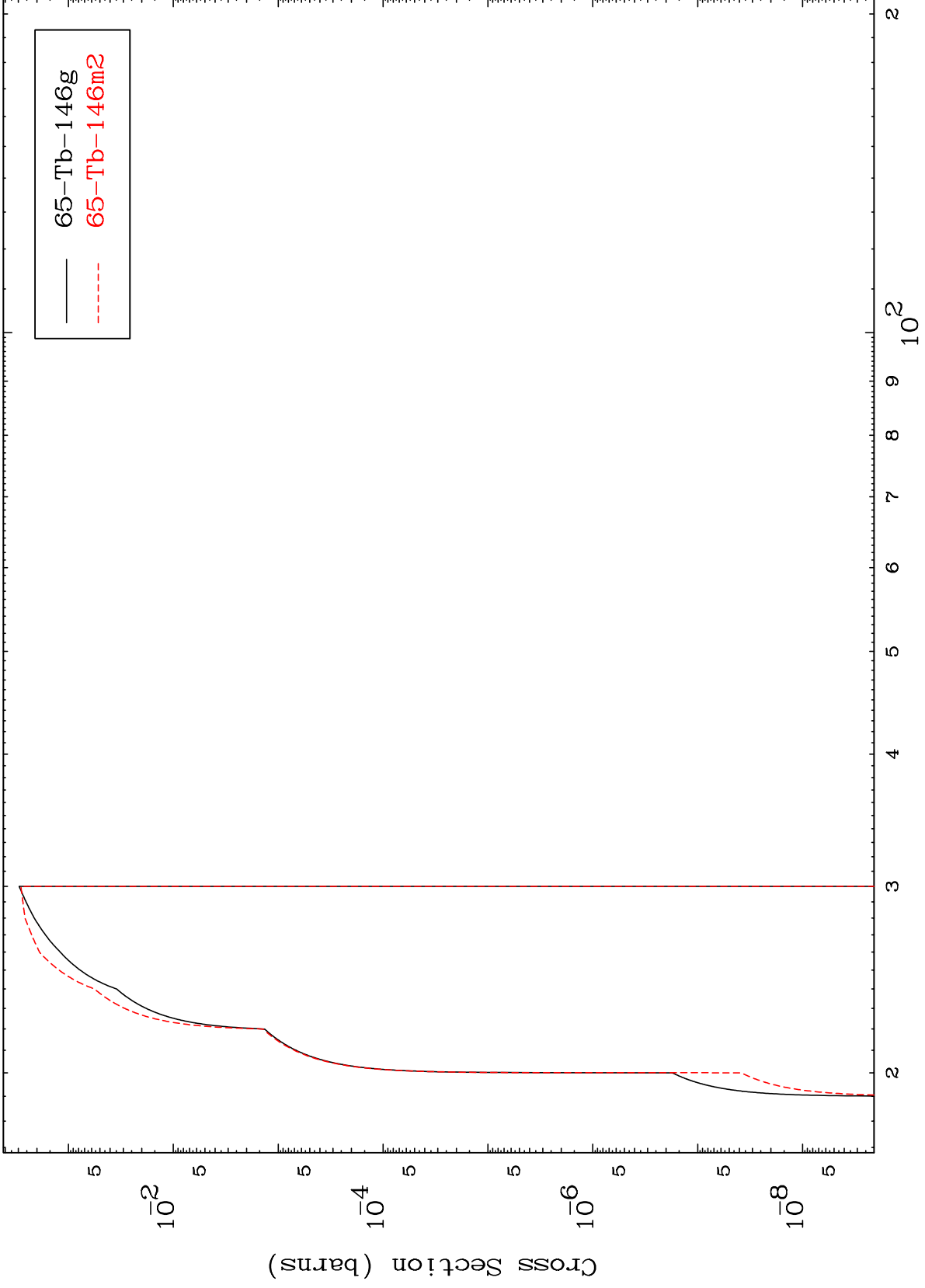
64-Gd-144

MAT 6401

$(n, n')$  p

64-Gd-144

Radionuclide Production Cross Section



14

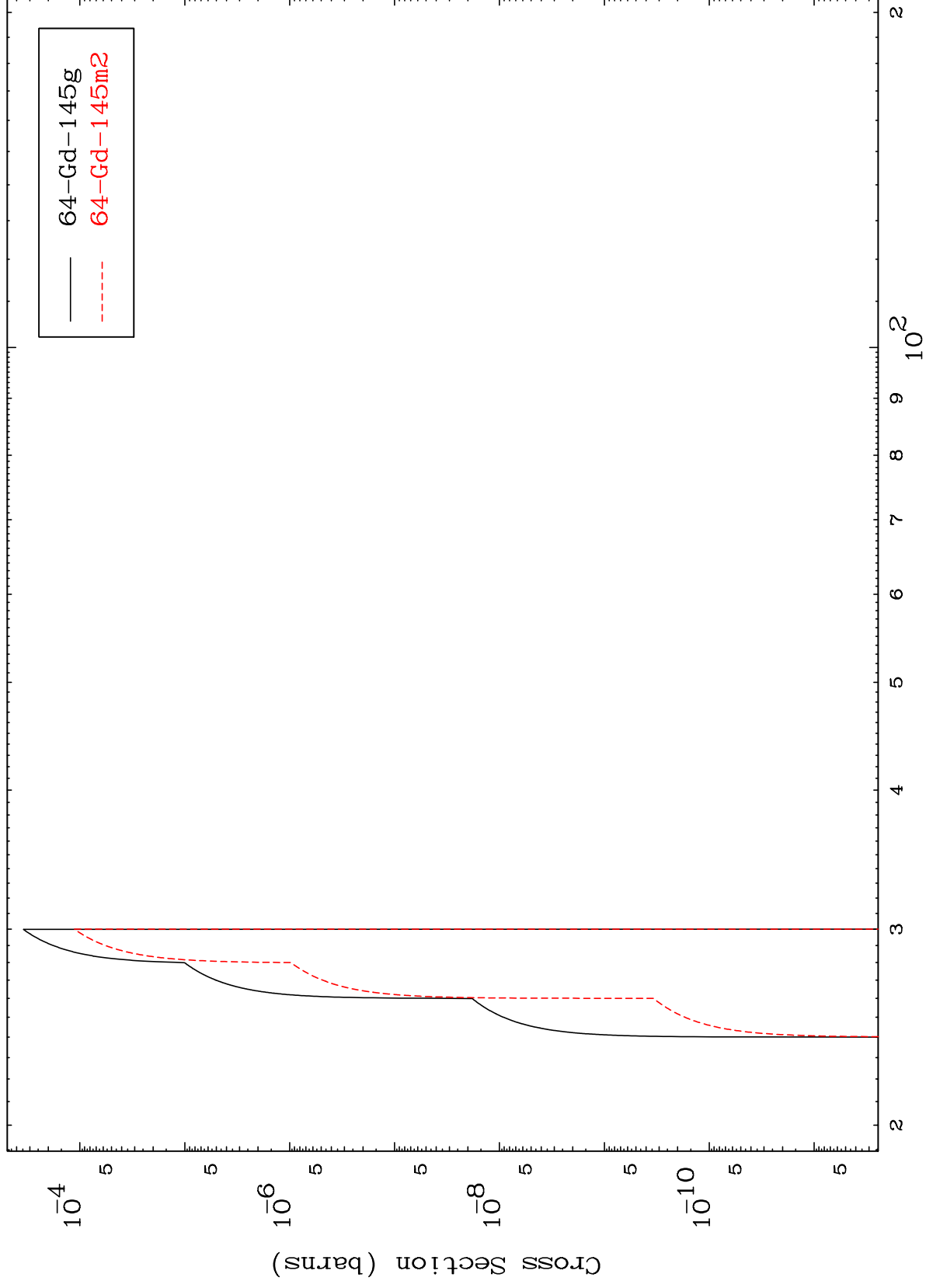
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

(n,2n) p  
Radionuclide Production Cross Section



64-Gd-144

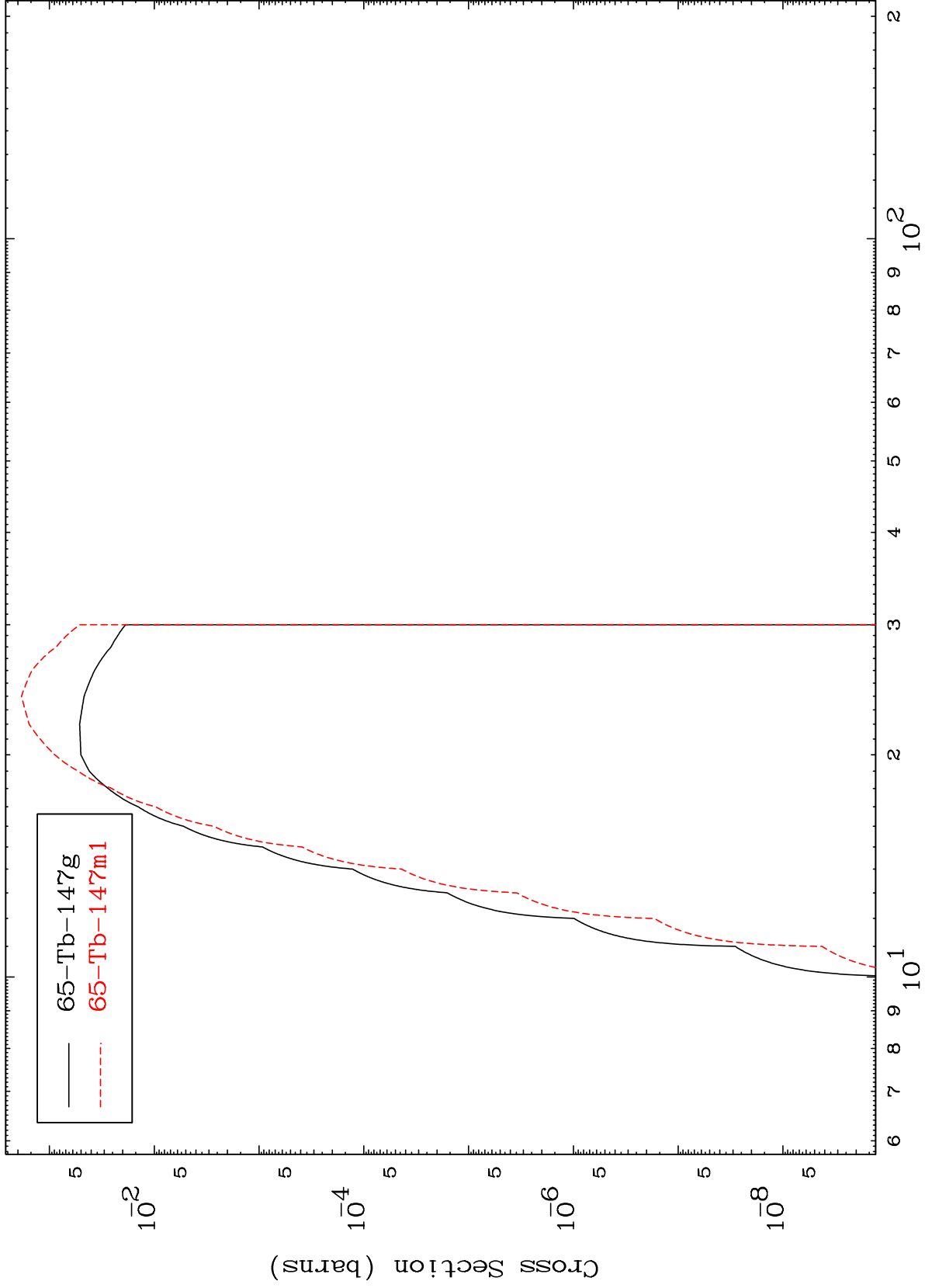
Incident Energy (MeV)

15

MAT 6401

64-Gd-144

(n,p)  
Radionuclide Production Cross Section

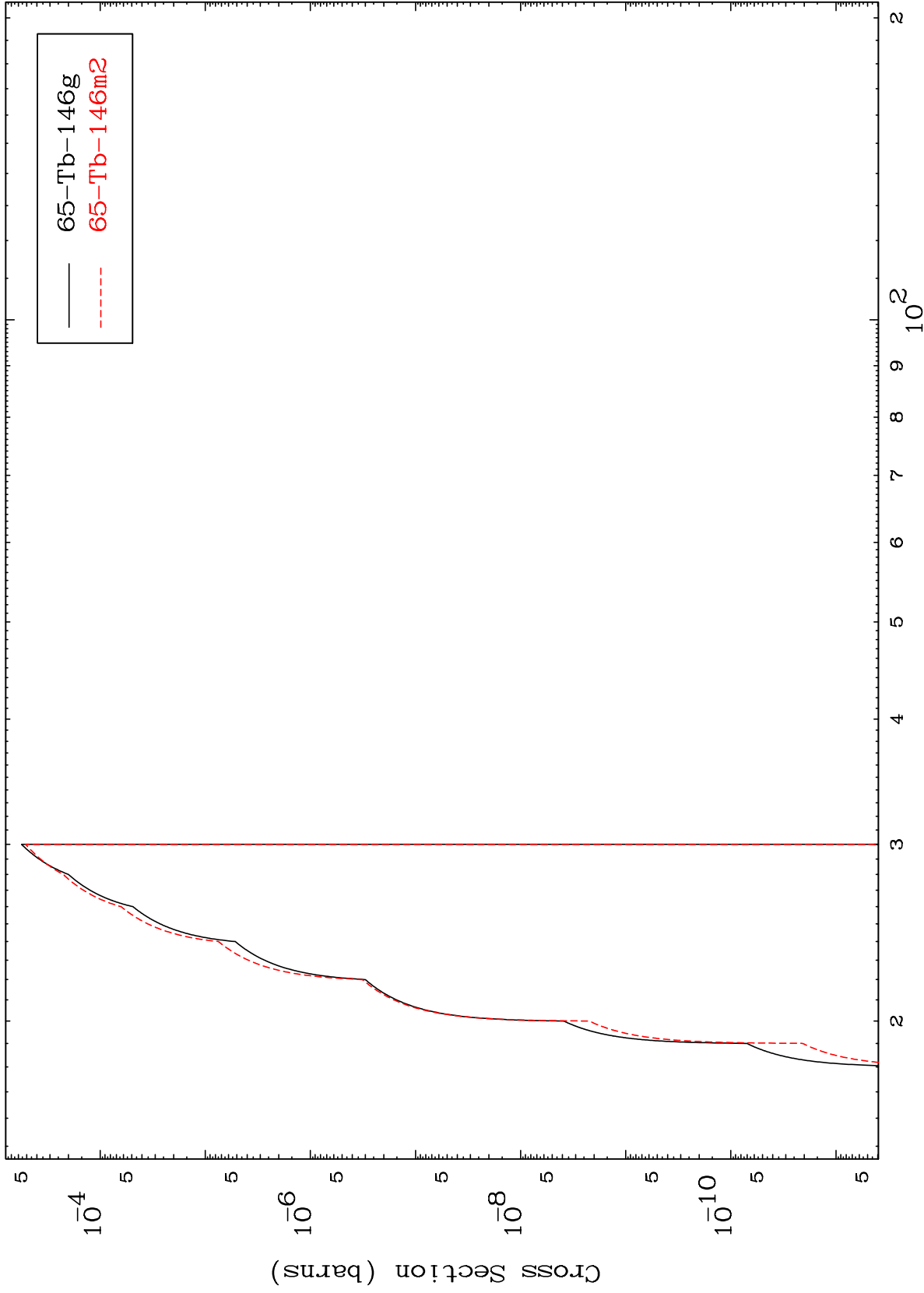


16

Incident Energy (MeV)

64-Gd-144

(n,d)  
Radionuclide Production Cross Section

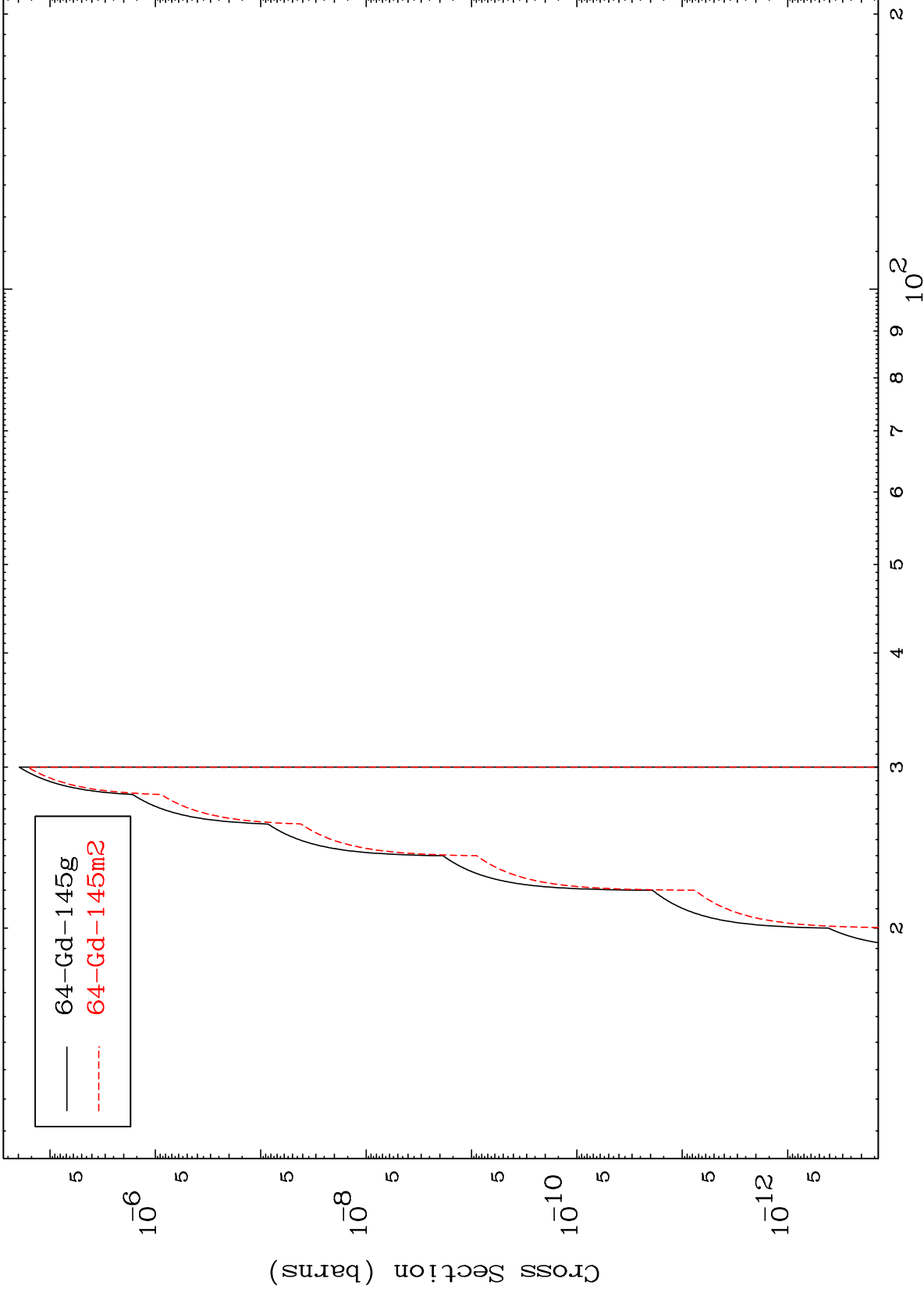


MAT 6401

(n,He-3)

64-Gd-144

Radionuclide Production Cross Section

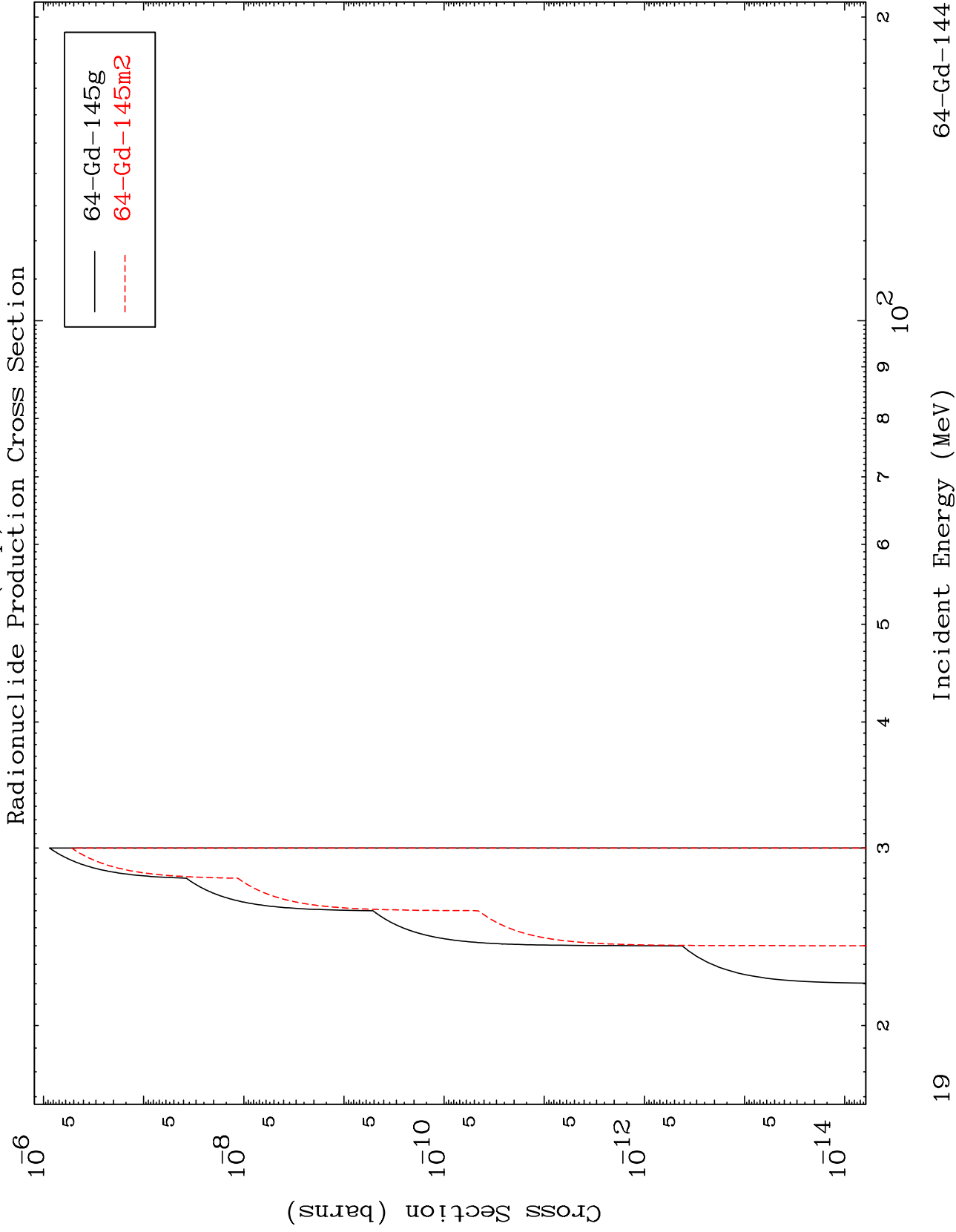


64-Gd-145g  
64-Gd-145m2

MAT 6401

(n,p) d

64-Gd-144



19

64-Gd-144