

Program EVALPLOT  
(Version 2018-1)

by

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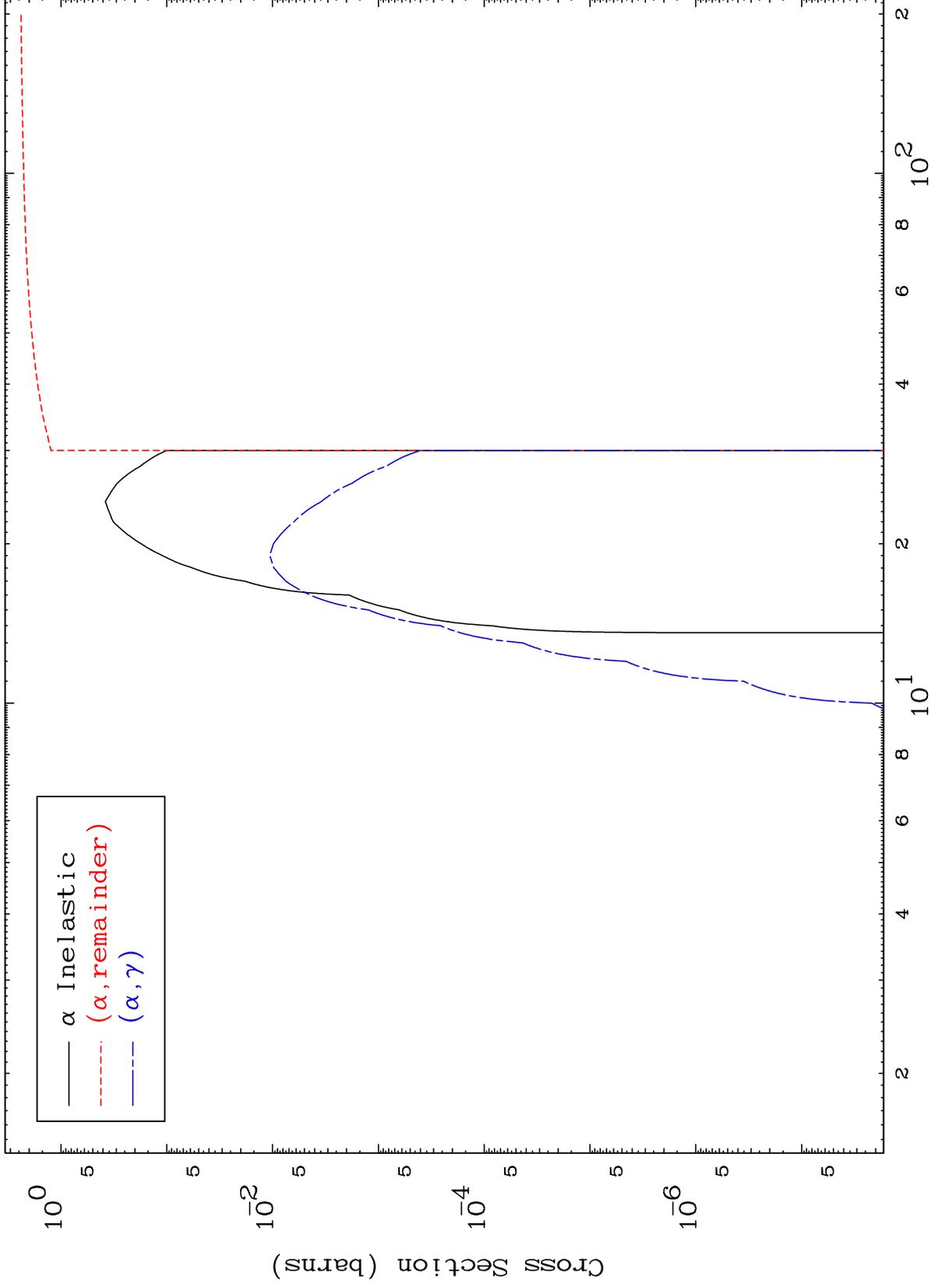
Press Mouse Button to Start

MAT 6401

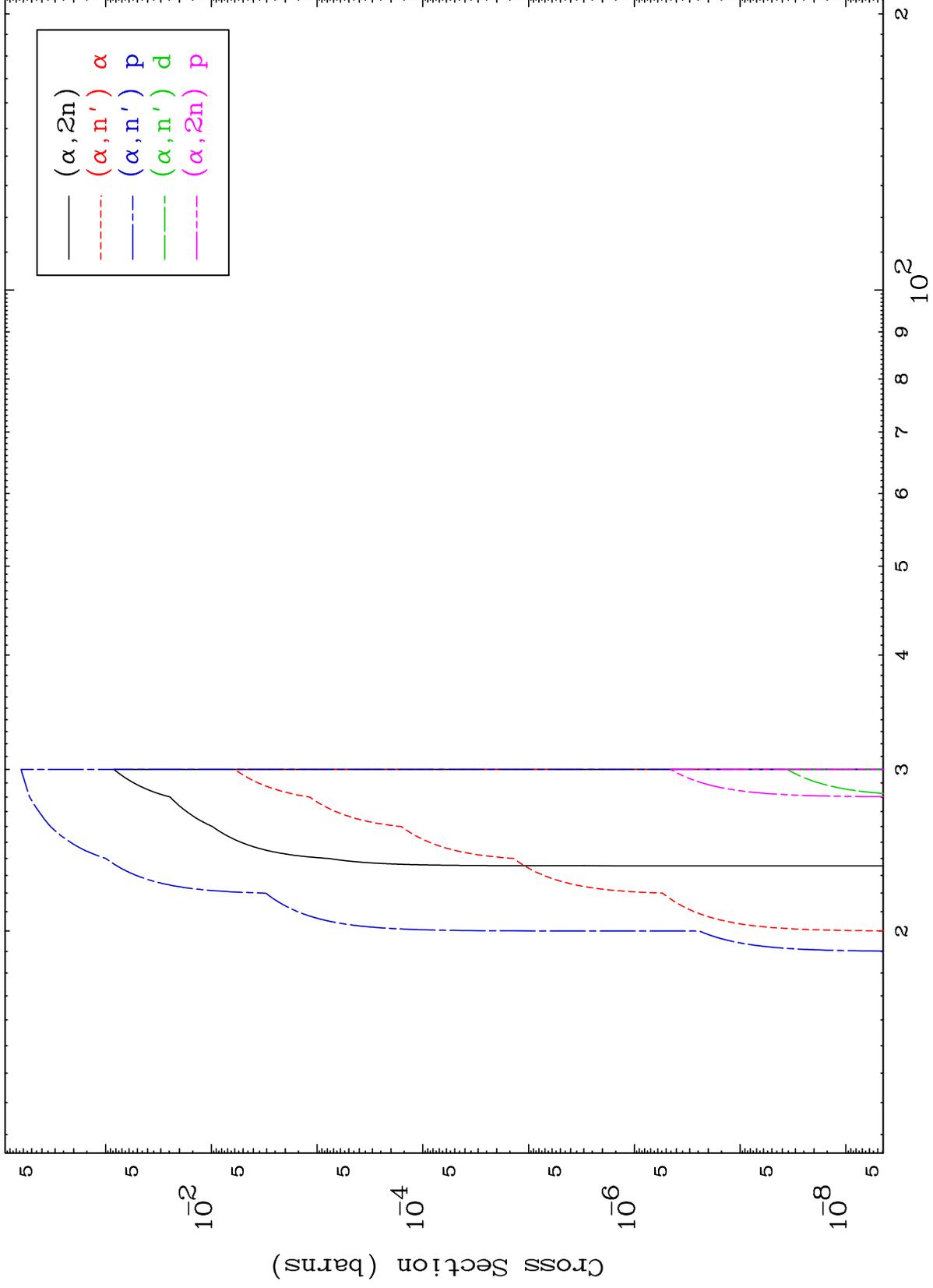
$\alpha$  Major

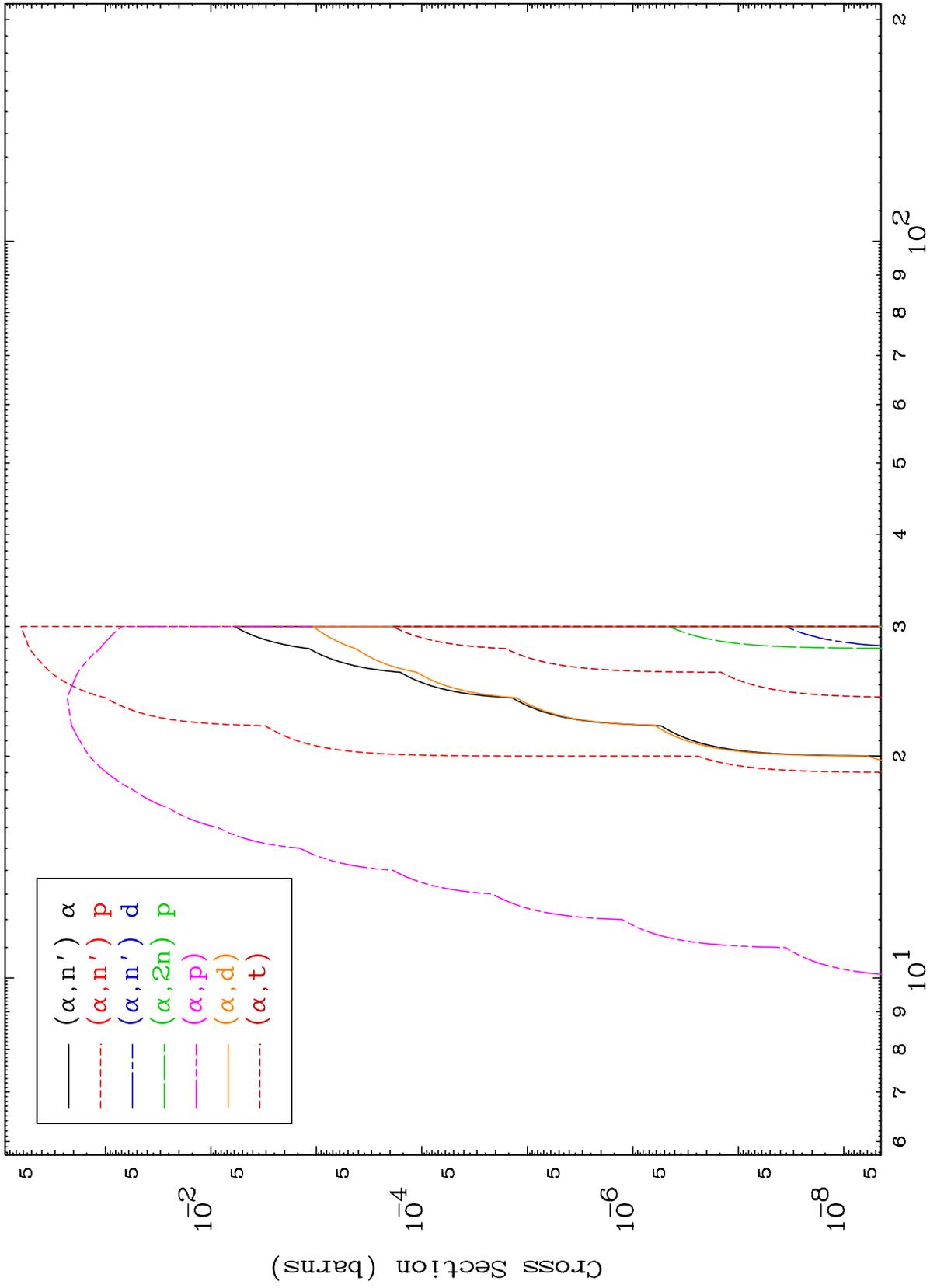
64-Gd-144

0 Kelvin Cross Sections



$\alpha$  Inelastic  
 $(\alpha, \text{remainder})$   
 $(\alpha, \gamma)$

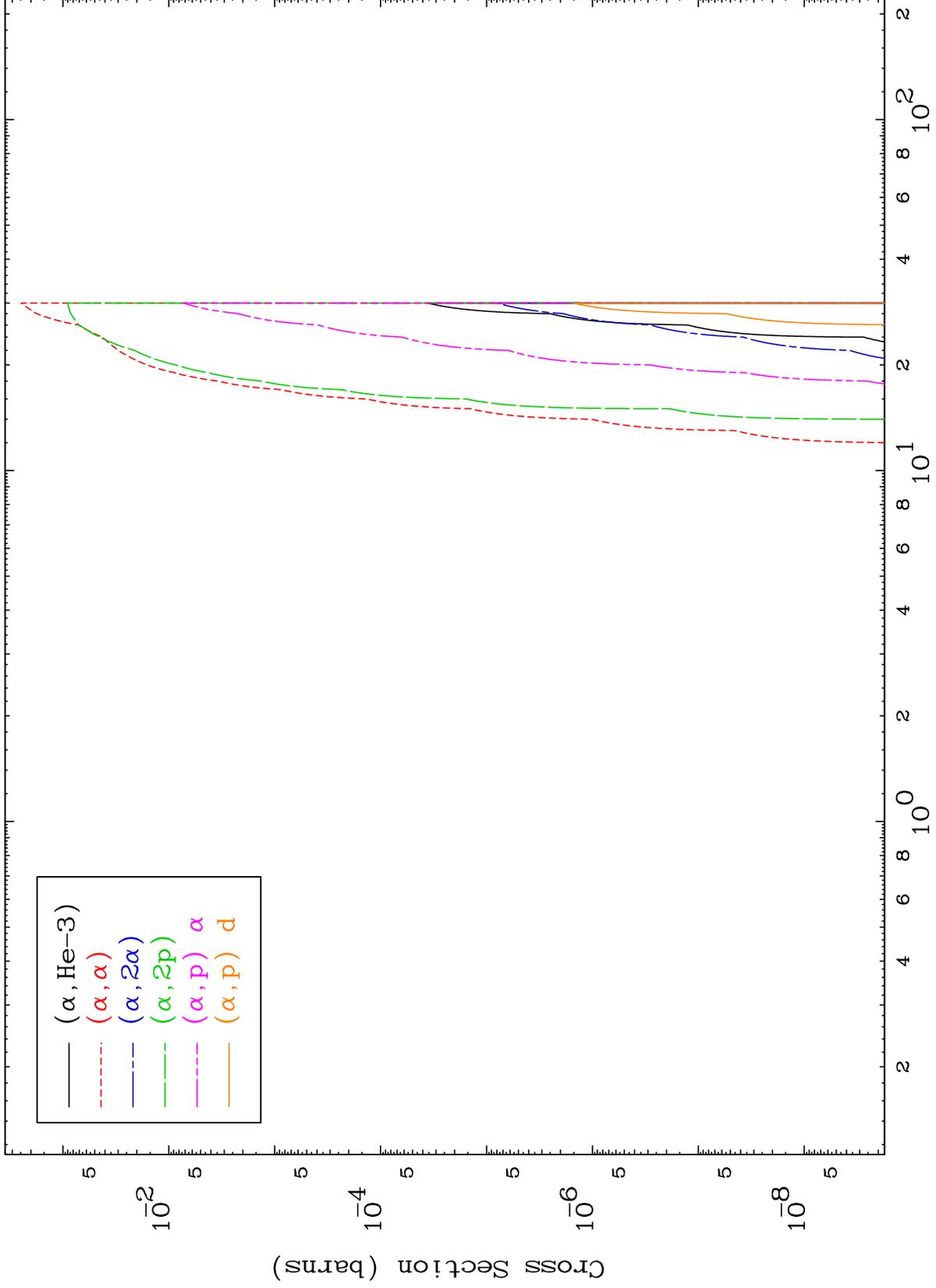




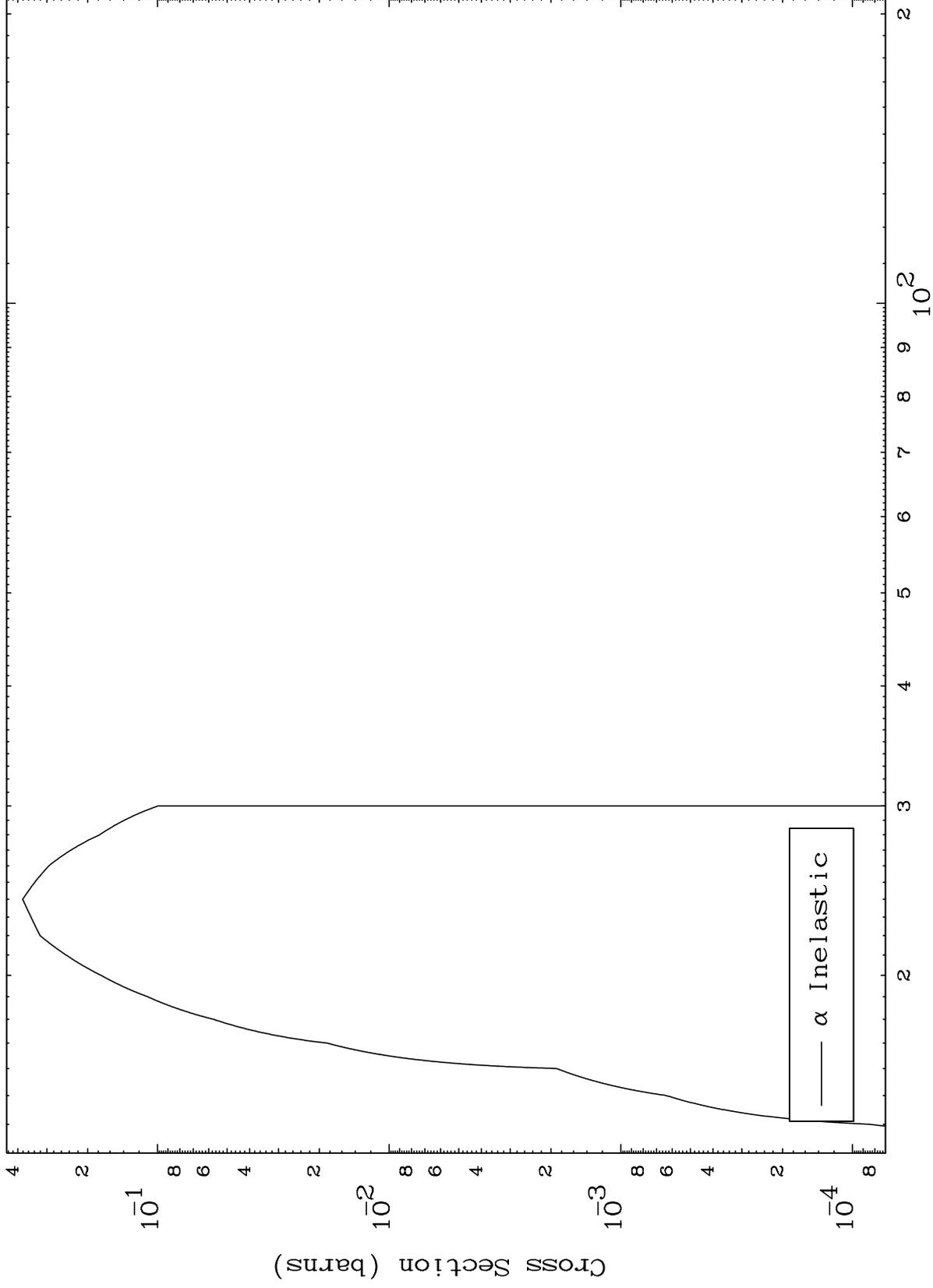
MAT 6401

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

64-Gd-144



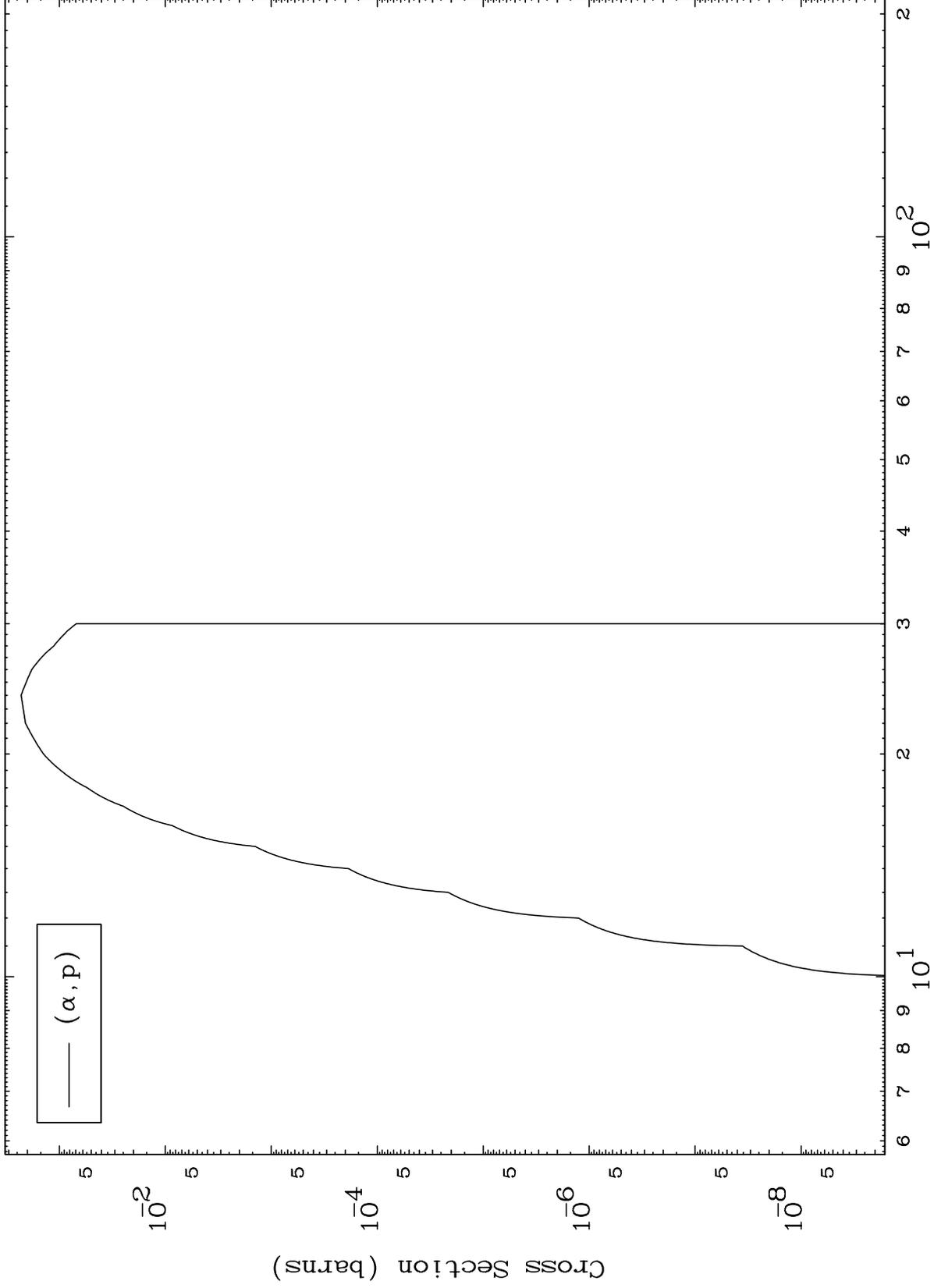
0 Kelvin Cross Sections



MAT 6401

64-Gd-144

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



6

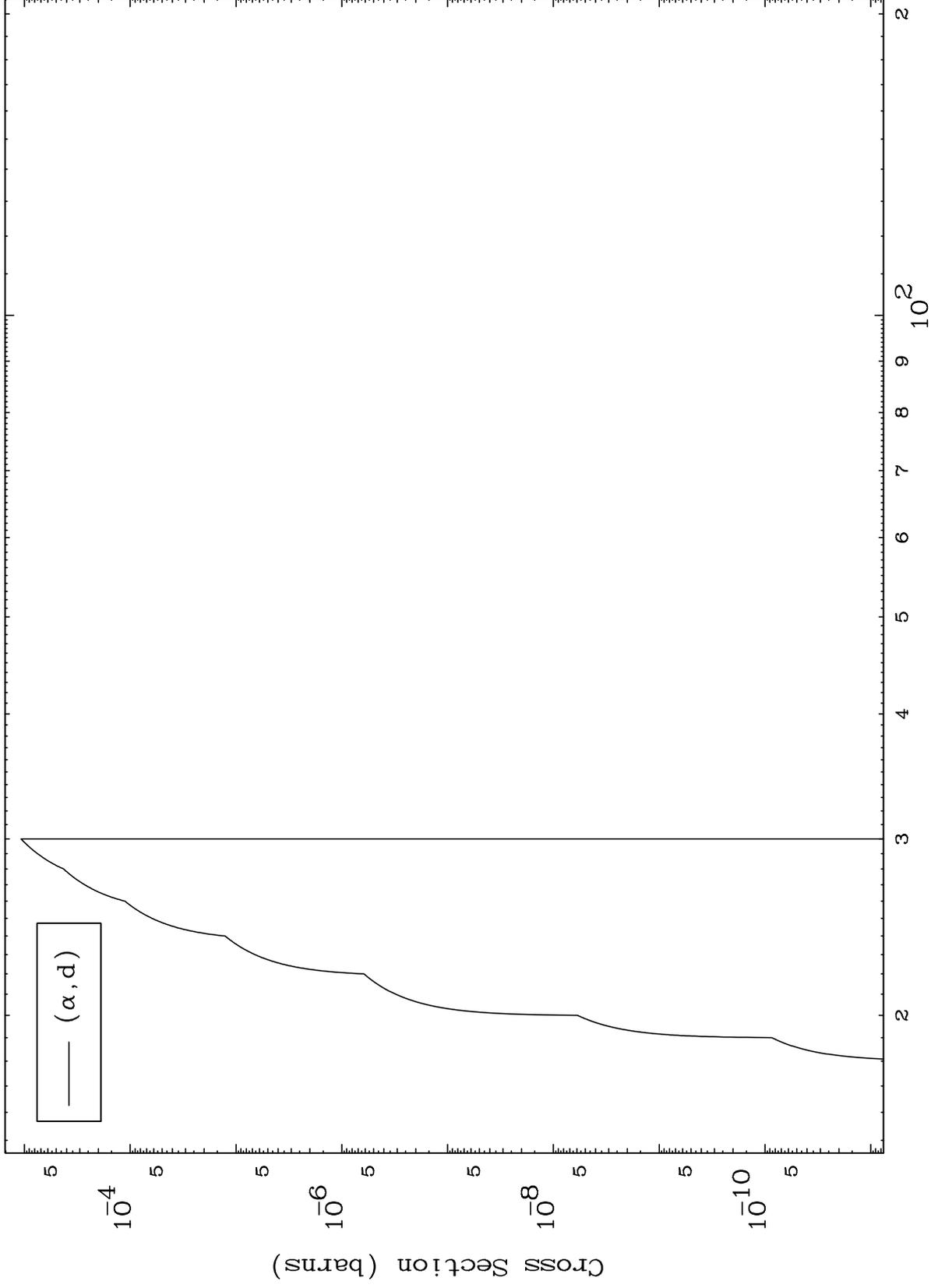
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



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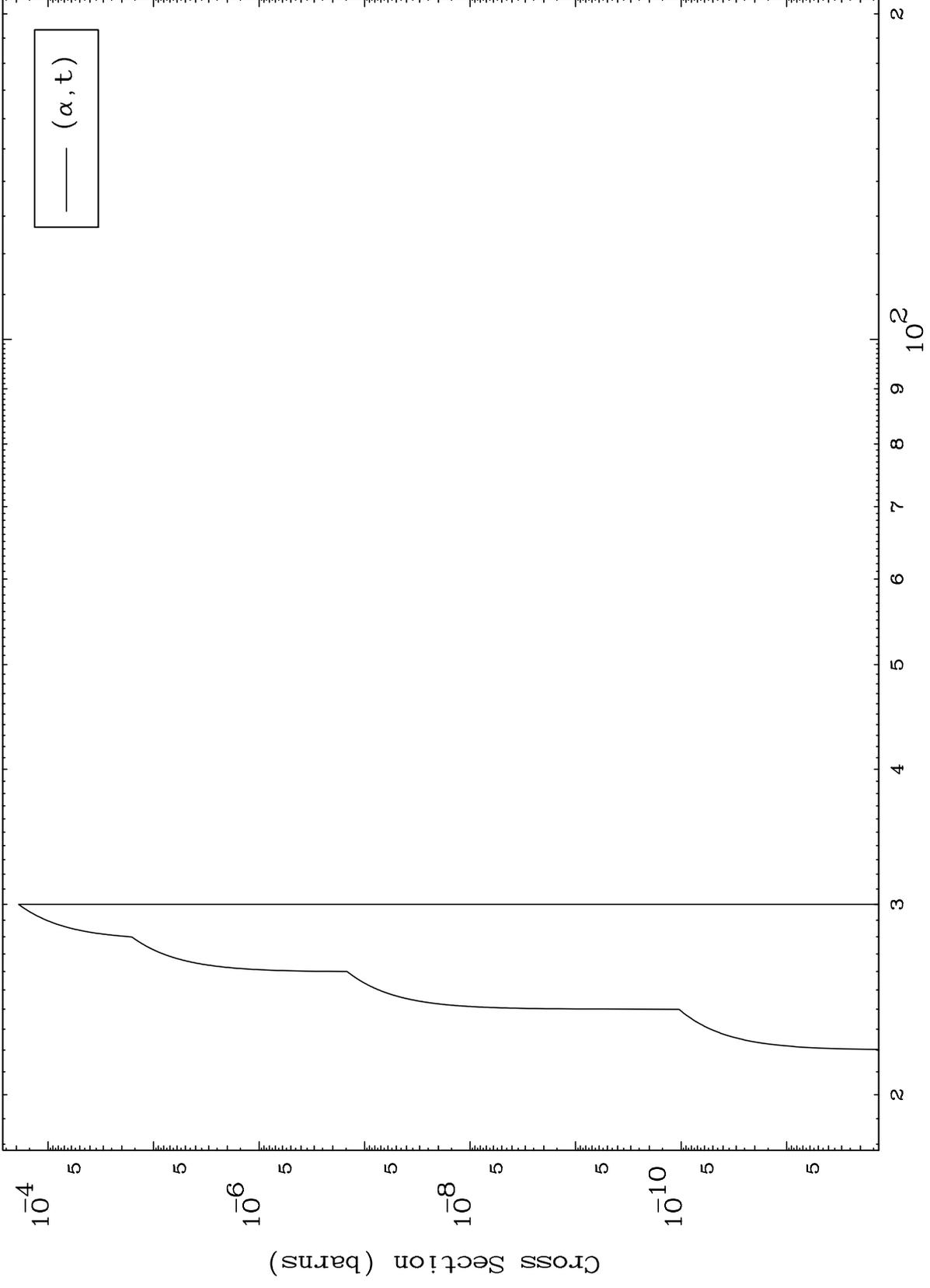
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144

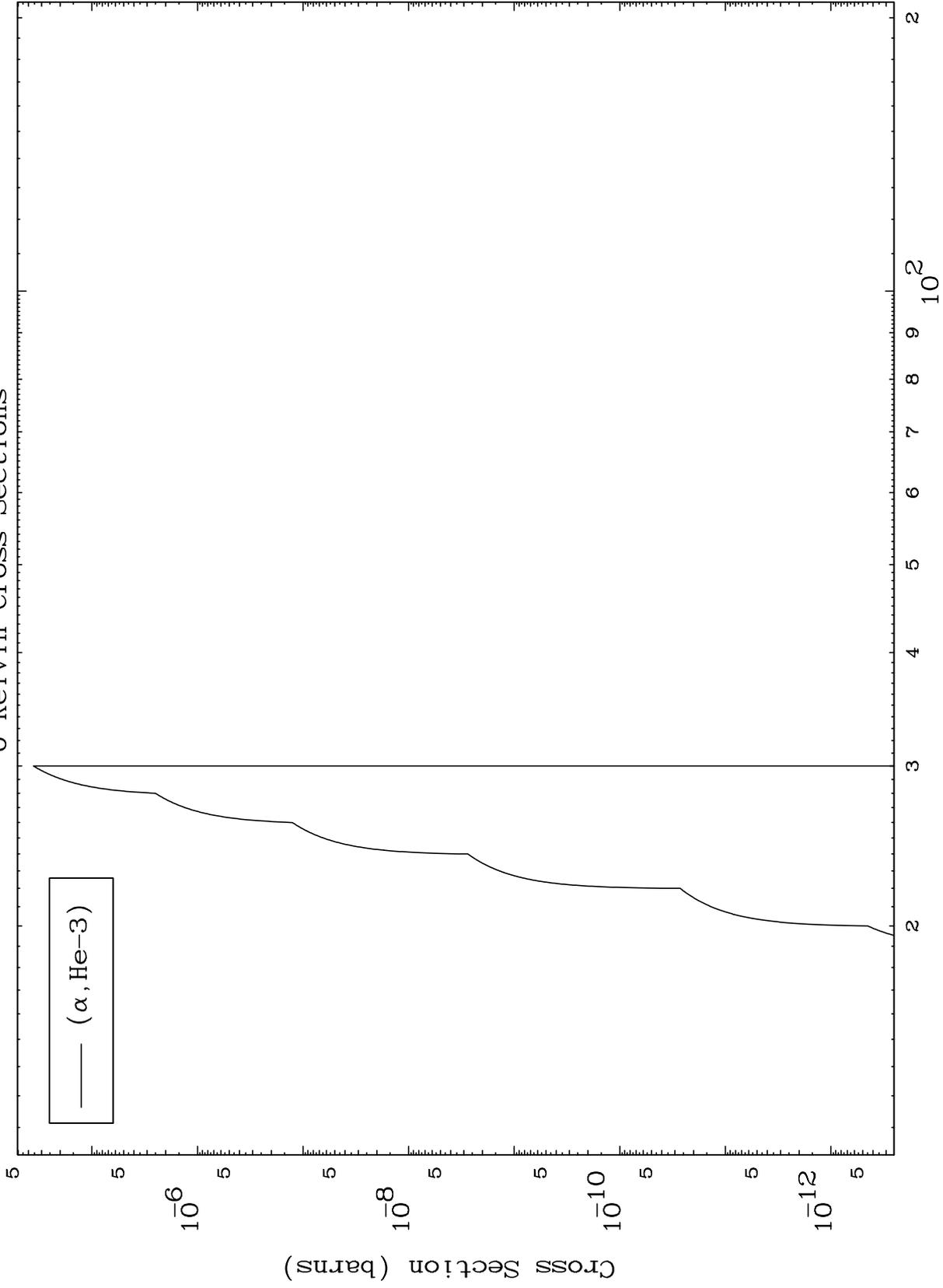


8

Incident Energy (MeV)

64-Gd-144

( $\alpha$ ,He3) Levels  
0 Kelvin Cross Sections

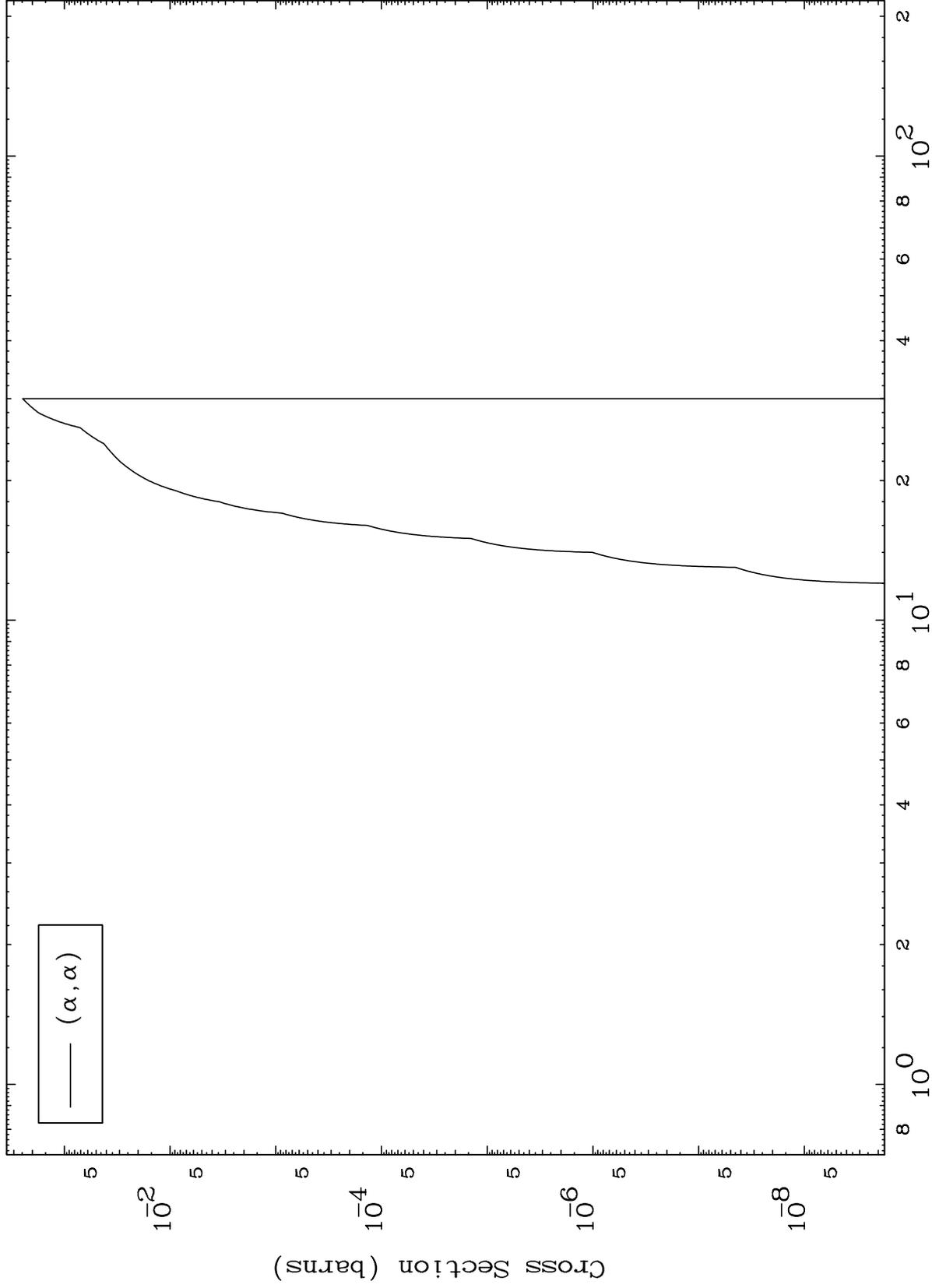


MAT 6401

( $\alpha, \alpha$ ) Levels

64-Gd-144

0 Kelvin Cross Sections

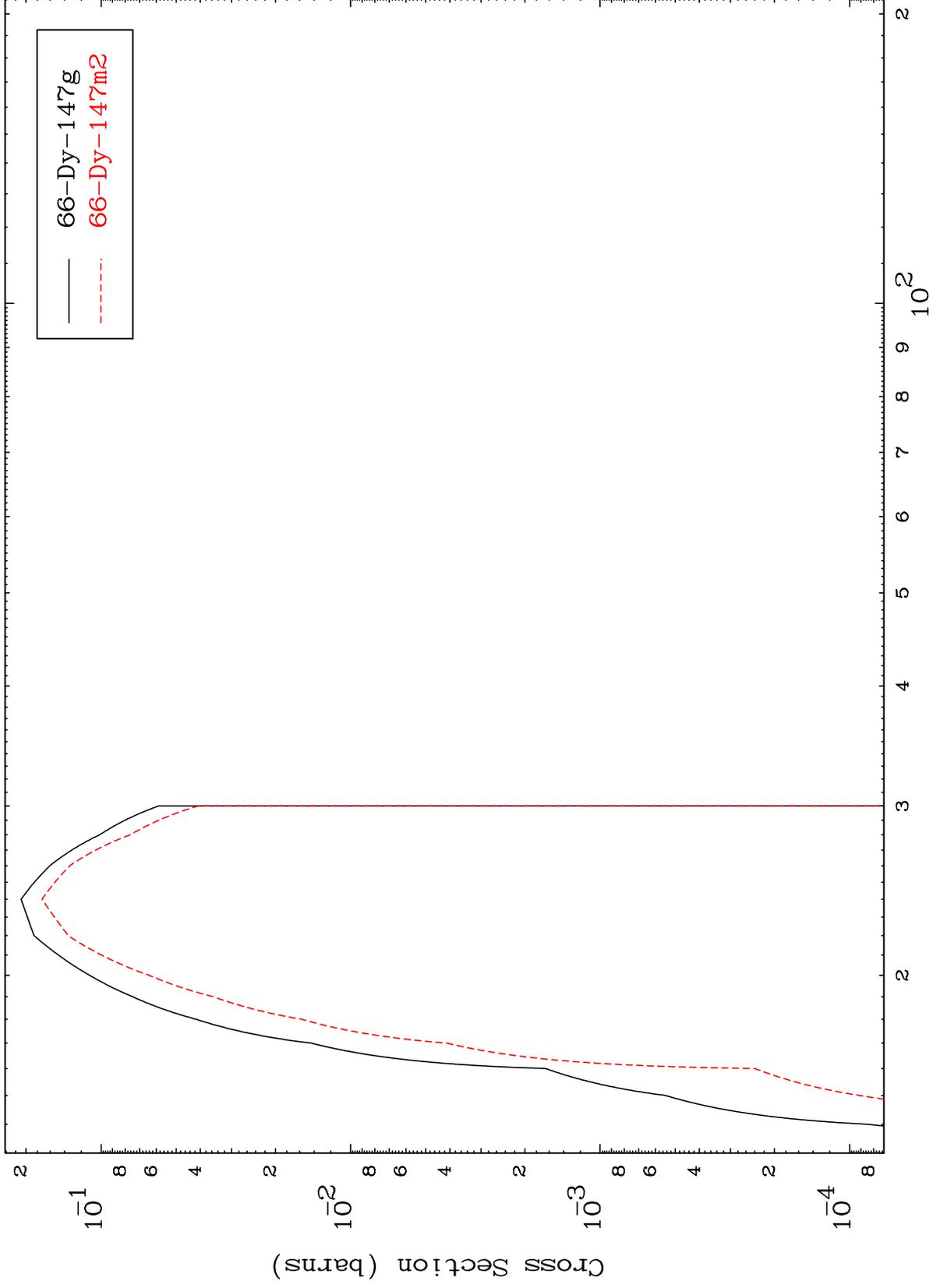


10

Incident Energy (MeV)

64-Gd-144

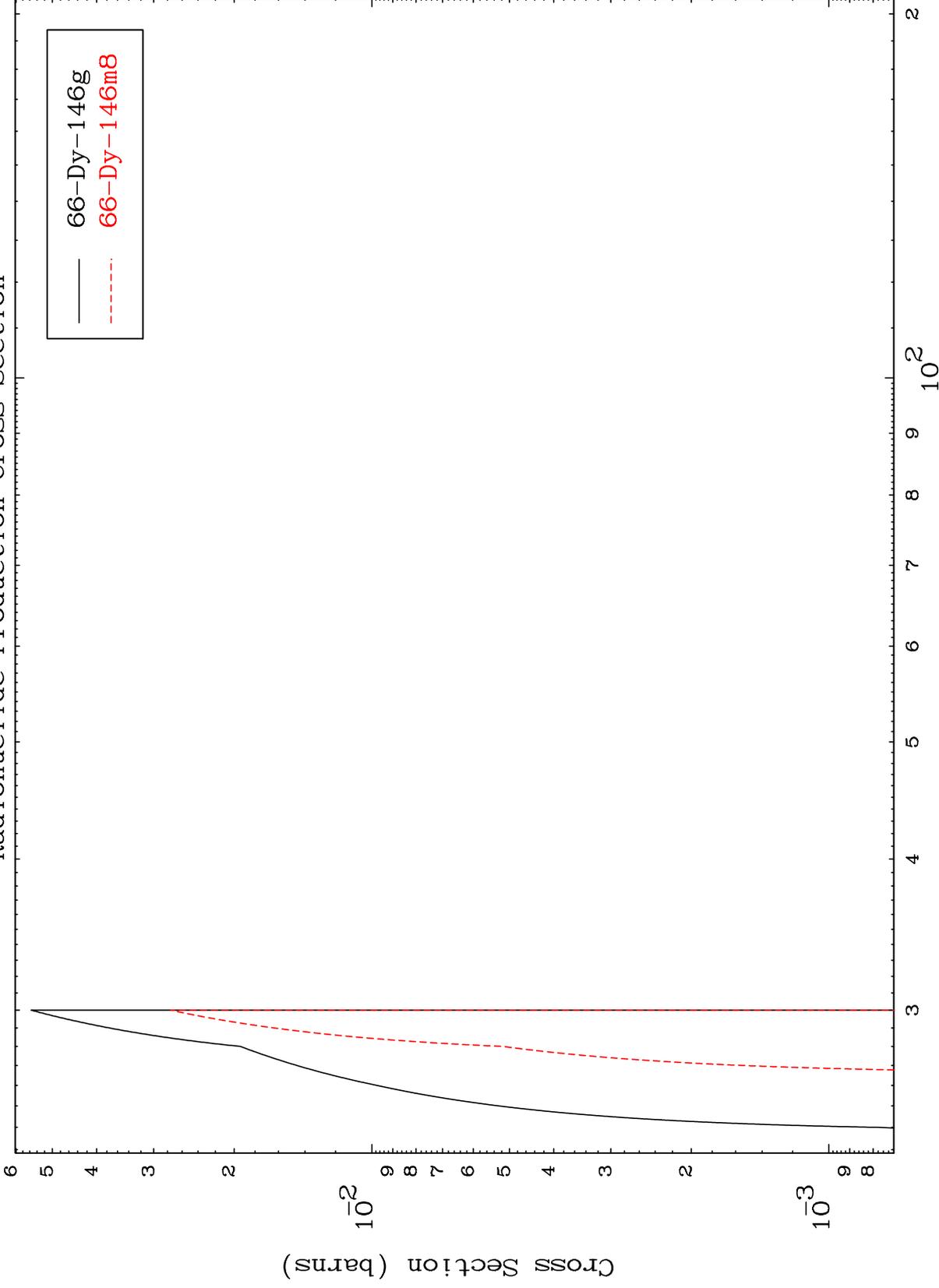
Radionuclide Production Cross Section  
 $\alpha$  Inelastic



MAT 6401

64-Gd-144

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



12

64-Gd-144

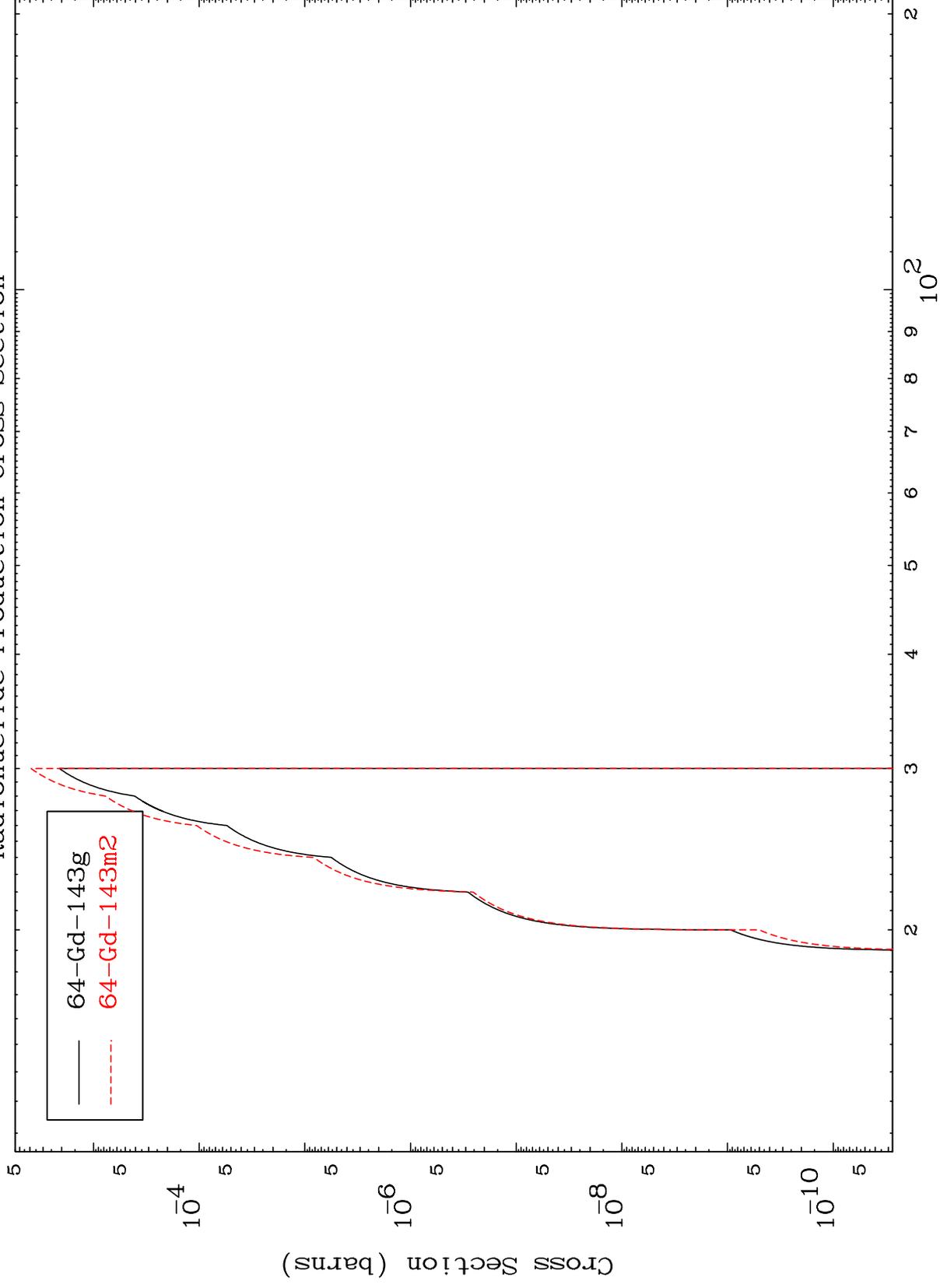
Incident Energy (MeV)

MAT 6401

64-Gd-144

$(\alpha, n')$   $\alpha$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

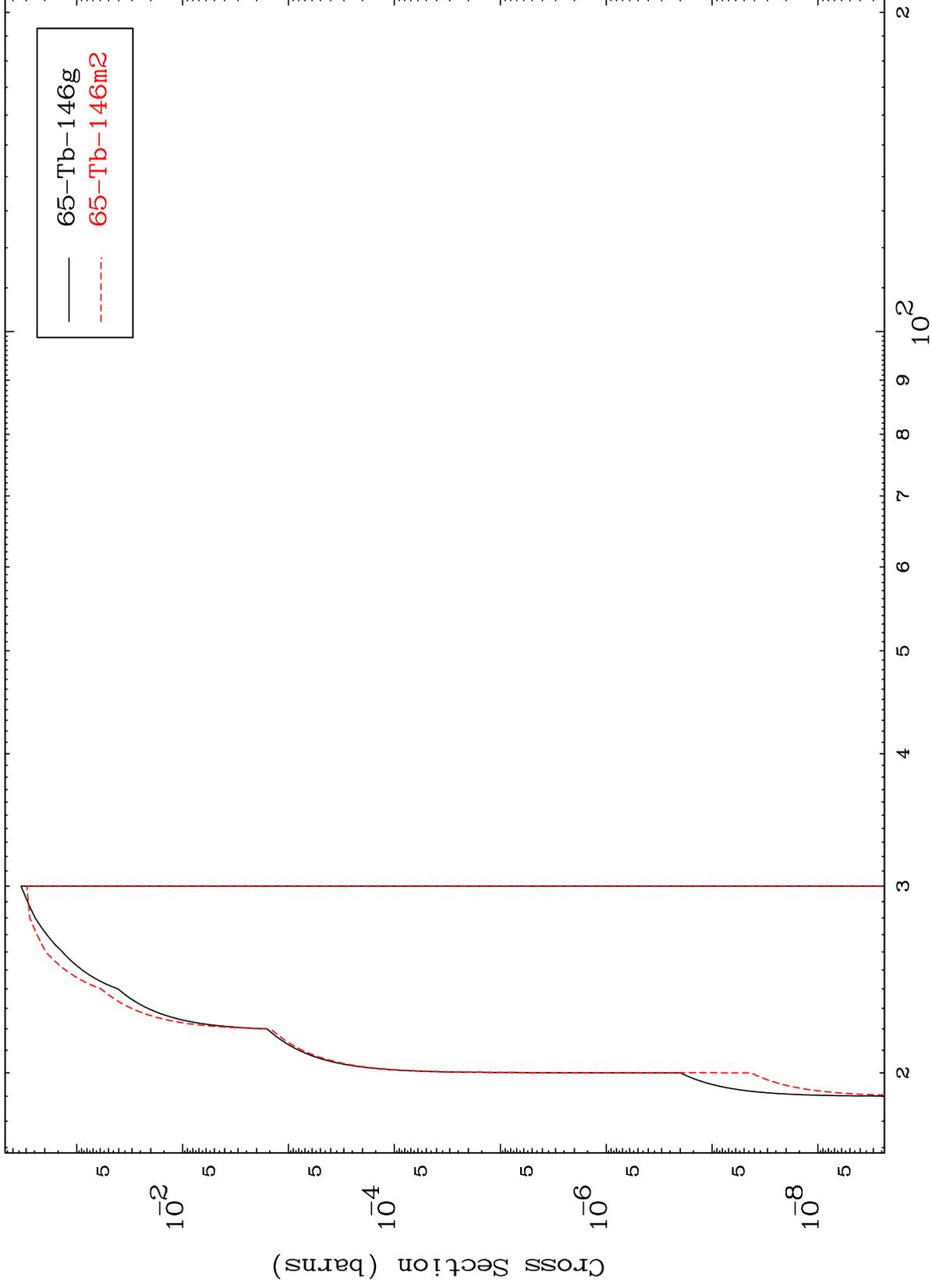
64-Gd-144

MAT 6401

$(\alpha, n')$  p

64-Gd-144

Radionuclide Production Cross Section



14

Incident Energy (MeV)

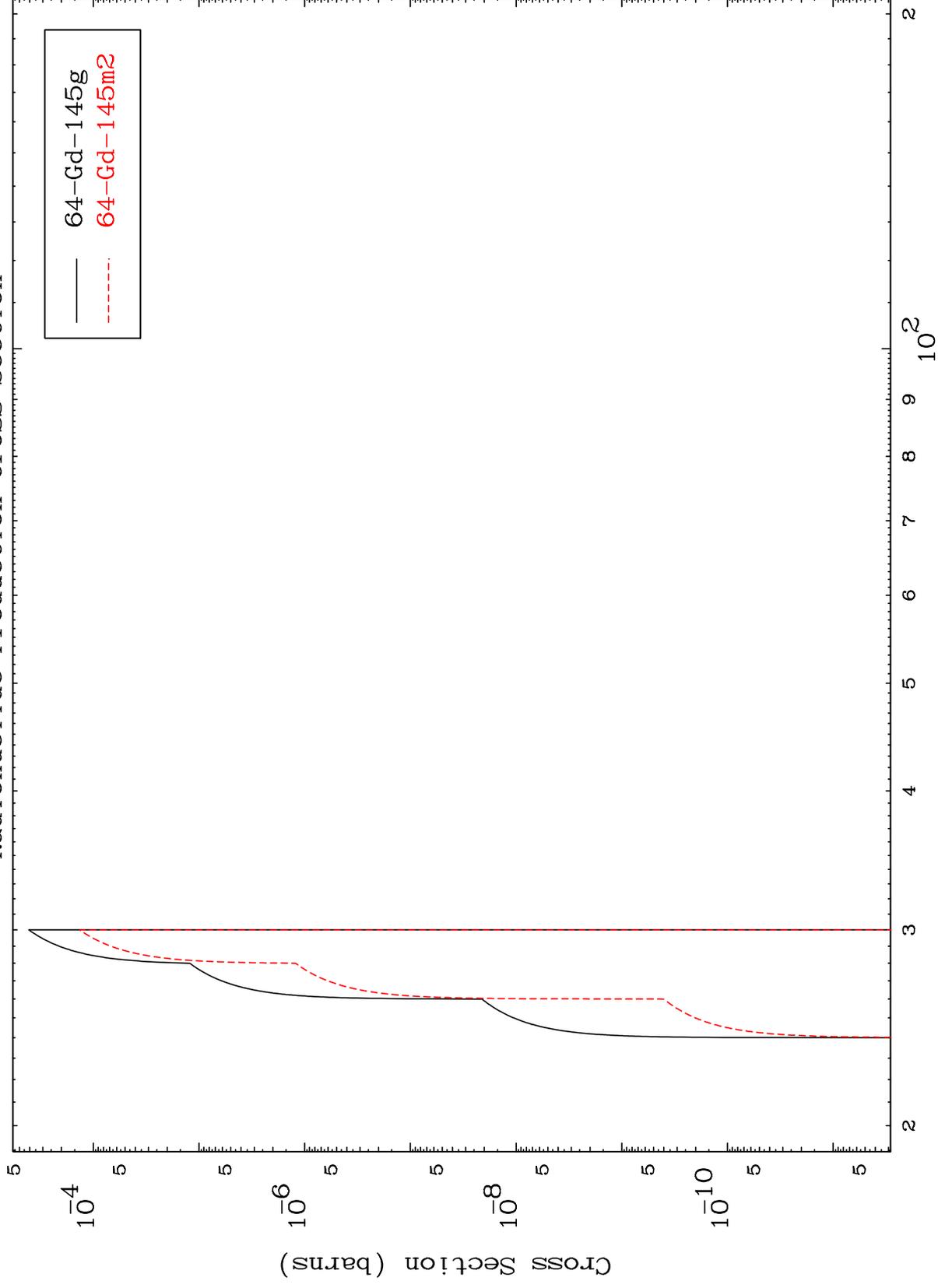
64-Gd-144

MAT 6401

$(\alpha, 2n)$  p

64-Gd-144

Radionuclide Production Cross Section



15

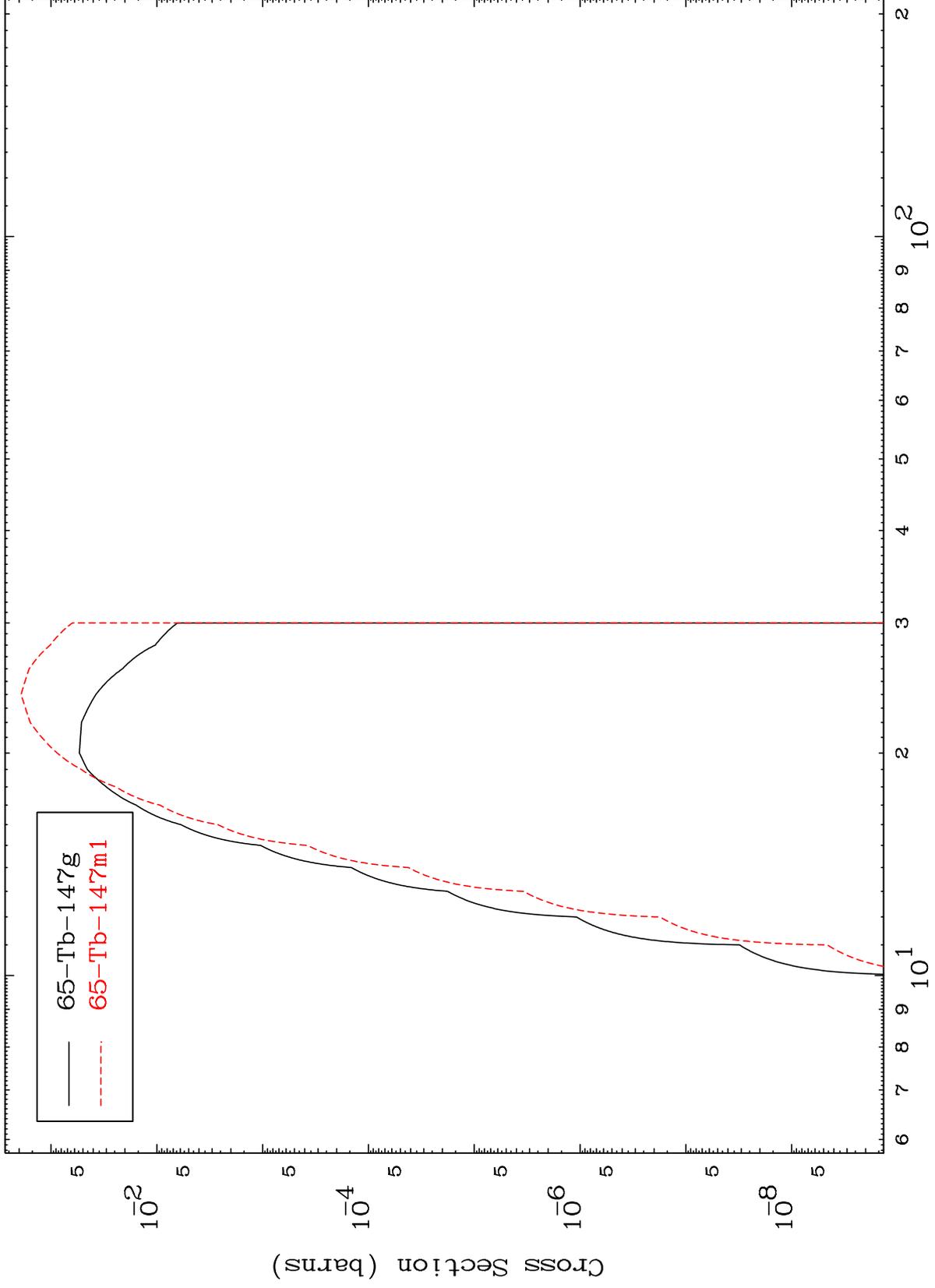
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

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



16

Incident Energy (MeV)

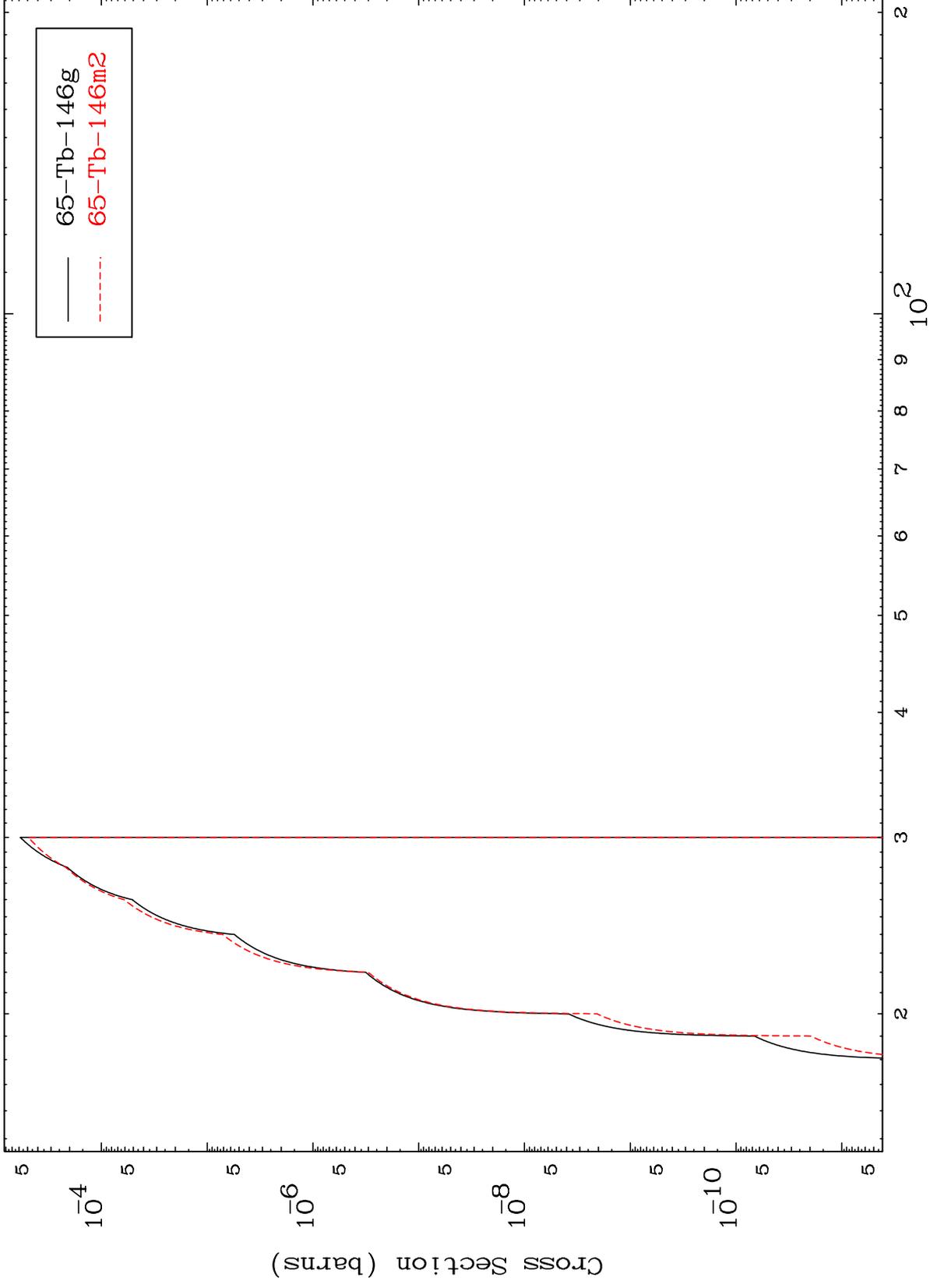
64-Gd-144

MAT 6401

( $\alpha, d$ )

64-Gd-144

Radionuclide Production Cross Section



17

Incident Energy (MeV)

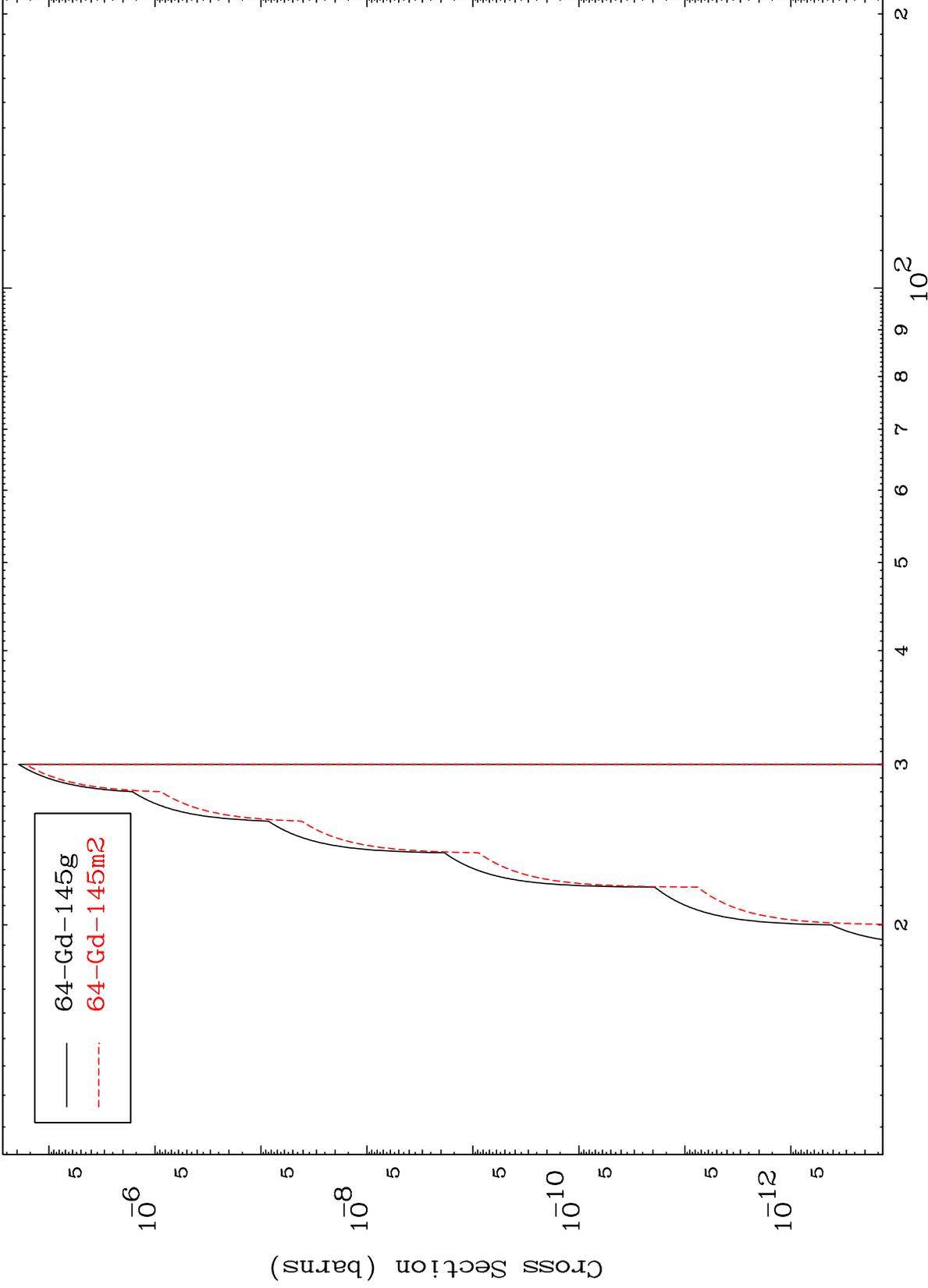
64-Gd-144

MAT 6401

( $\alpha, \text{He-3}$ )

64-Gd-144

Radionuclide Production Cross Section



18

Incident Energy (MeV)

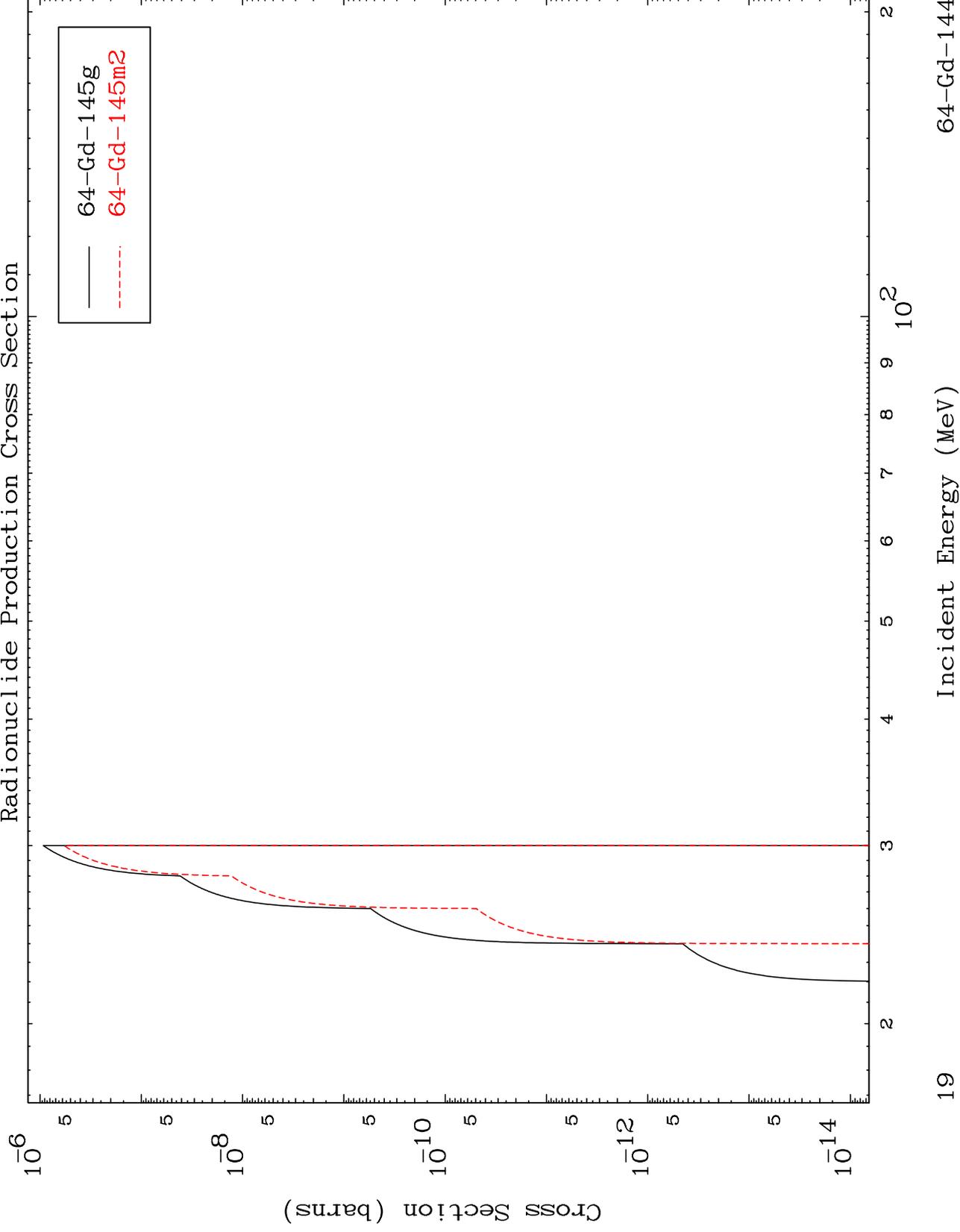
64-Gd-144

MAT 6401

( $\alpha, p$ ) d

64-Gd-144

Radionuclide Production Cross Section



19

Incident Energy (MeV)

64-Gd-144