

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

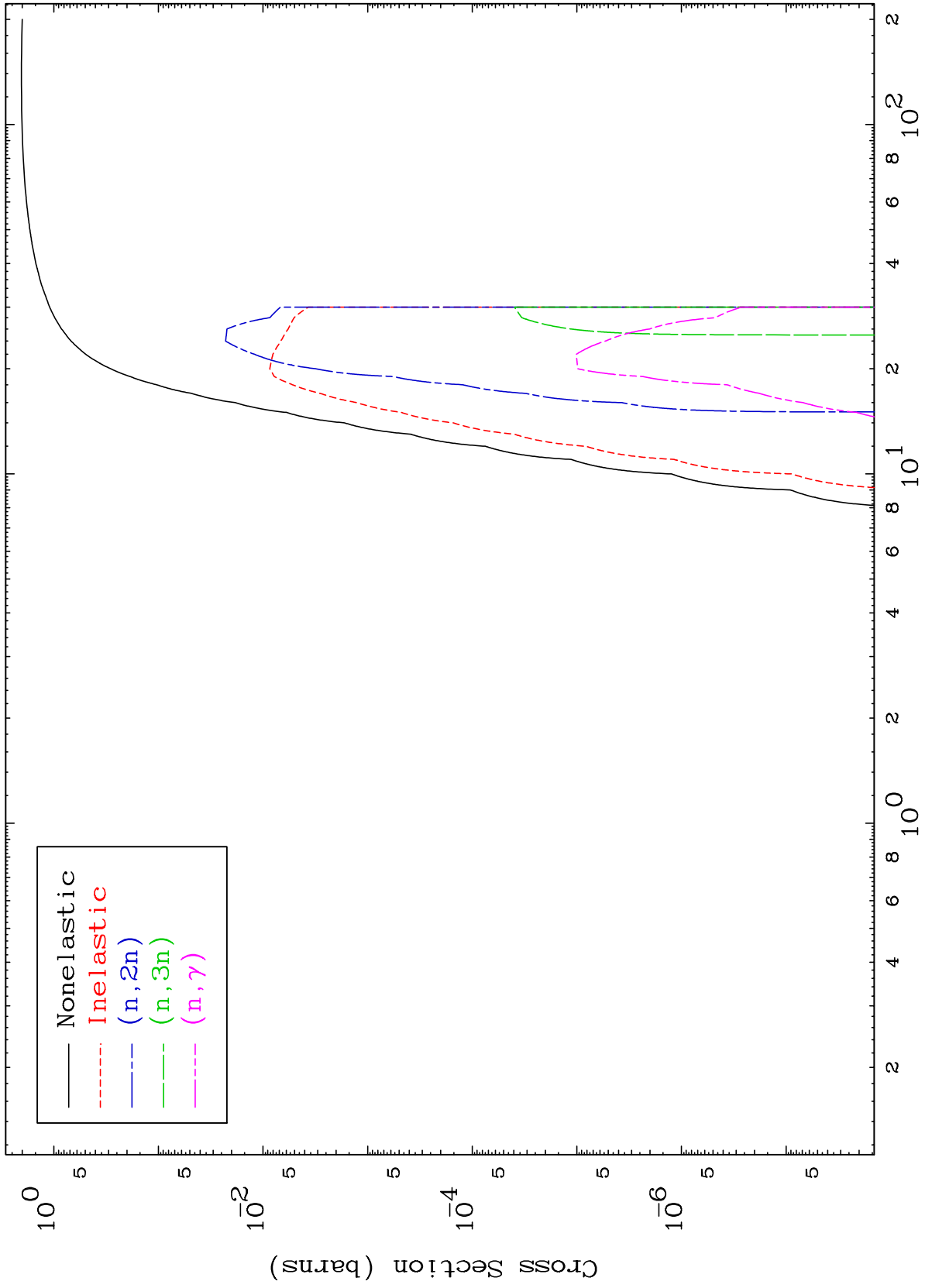
Press Mouse Button to Start

MAT 6401

He-3 Major

64-Gd-144

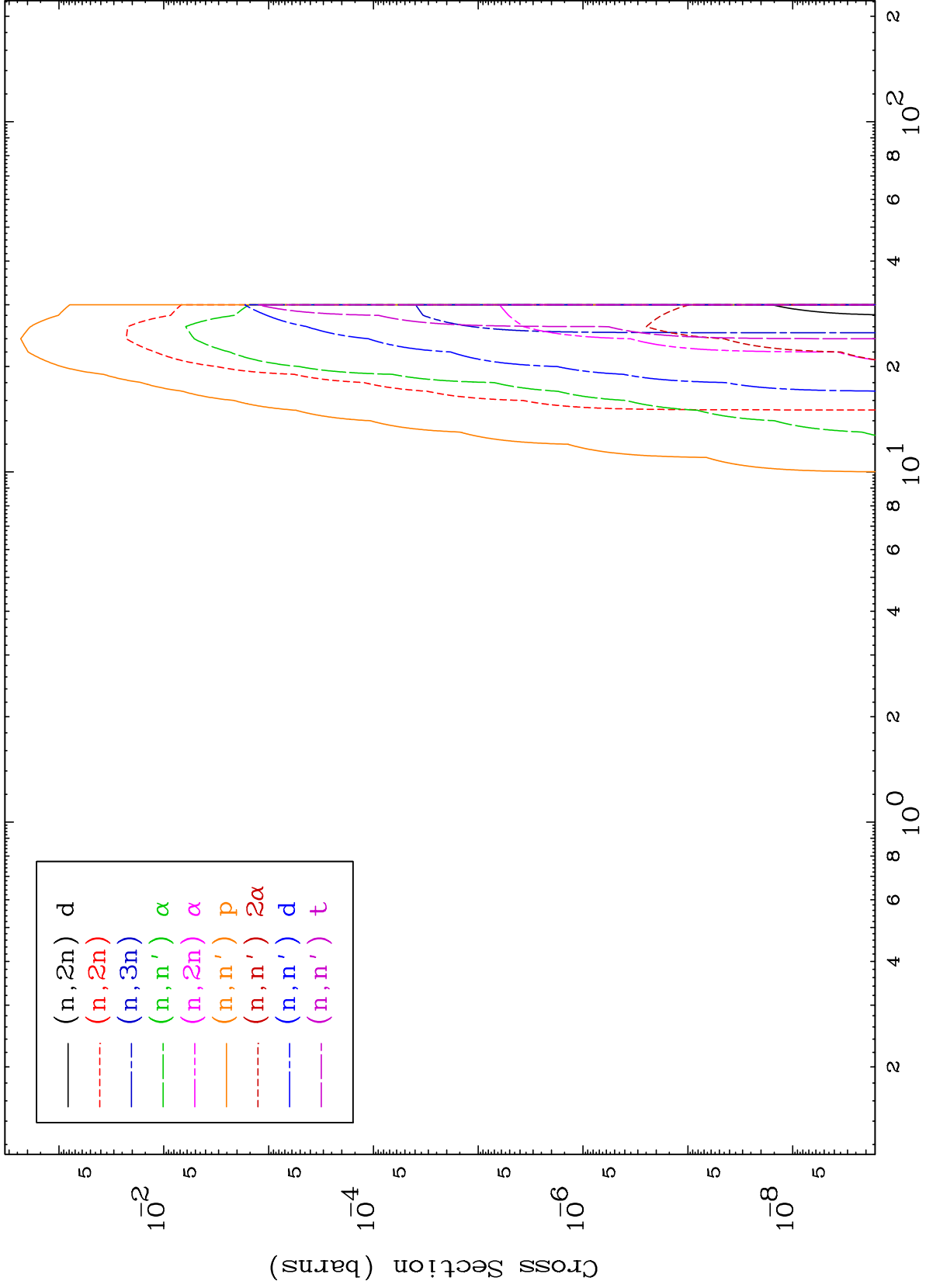
0 Kelvin Cross Sections



MAT 6401

He-3 Neutron Absorption  
0 Kelvin Cross Sections

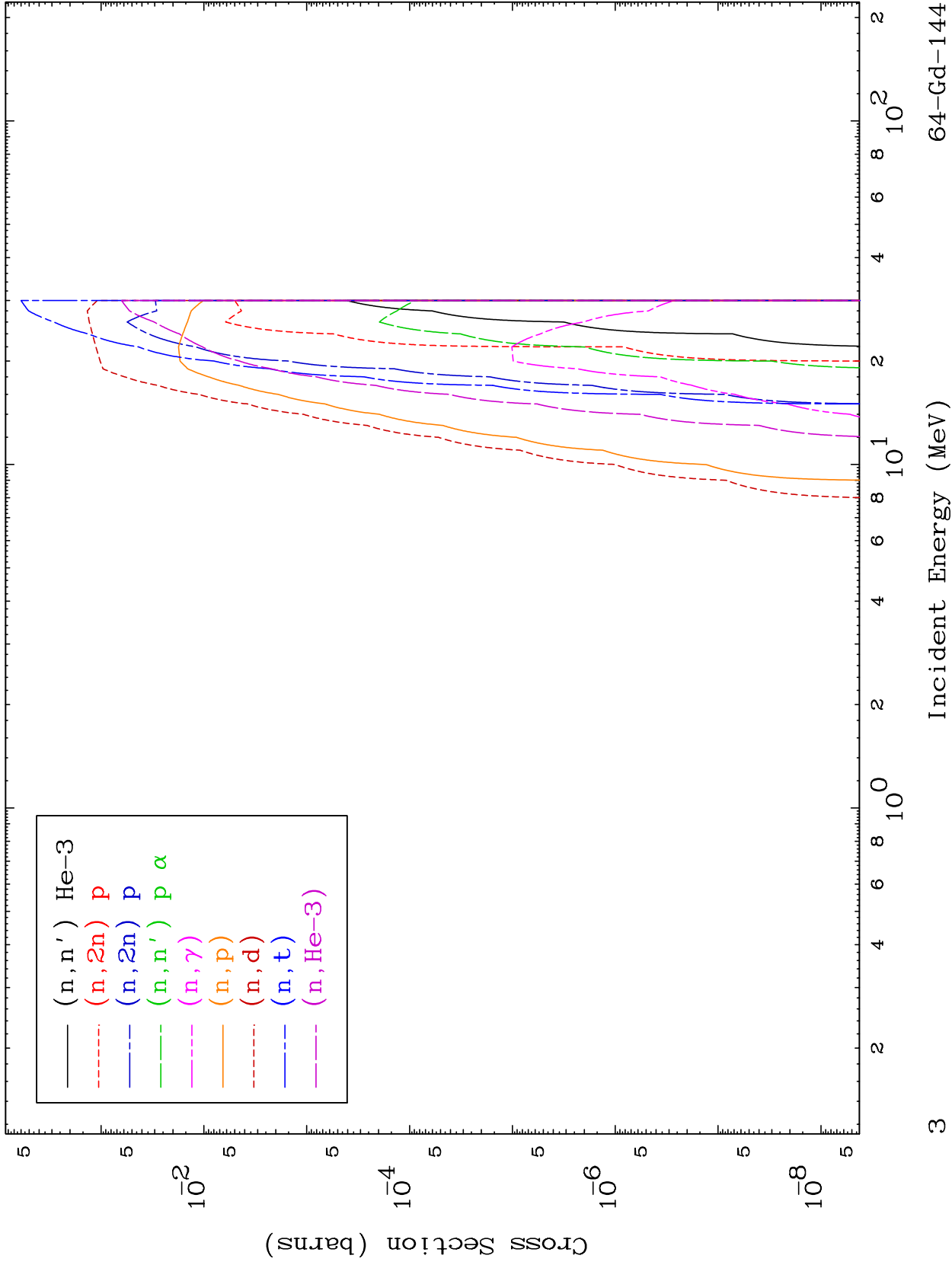
64-Gd-144



MAT 6401

He-3 Neutron Absorption  
0 Kelvin Cross Sections

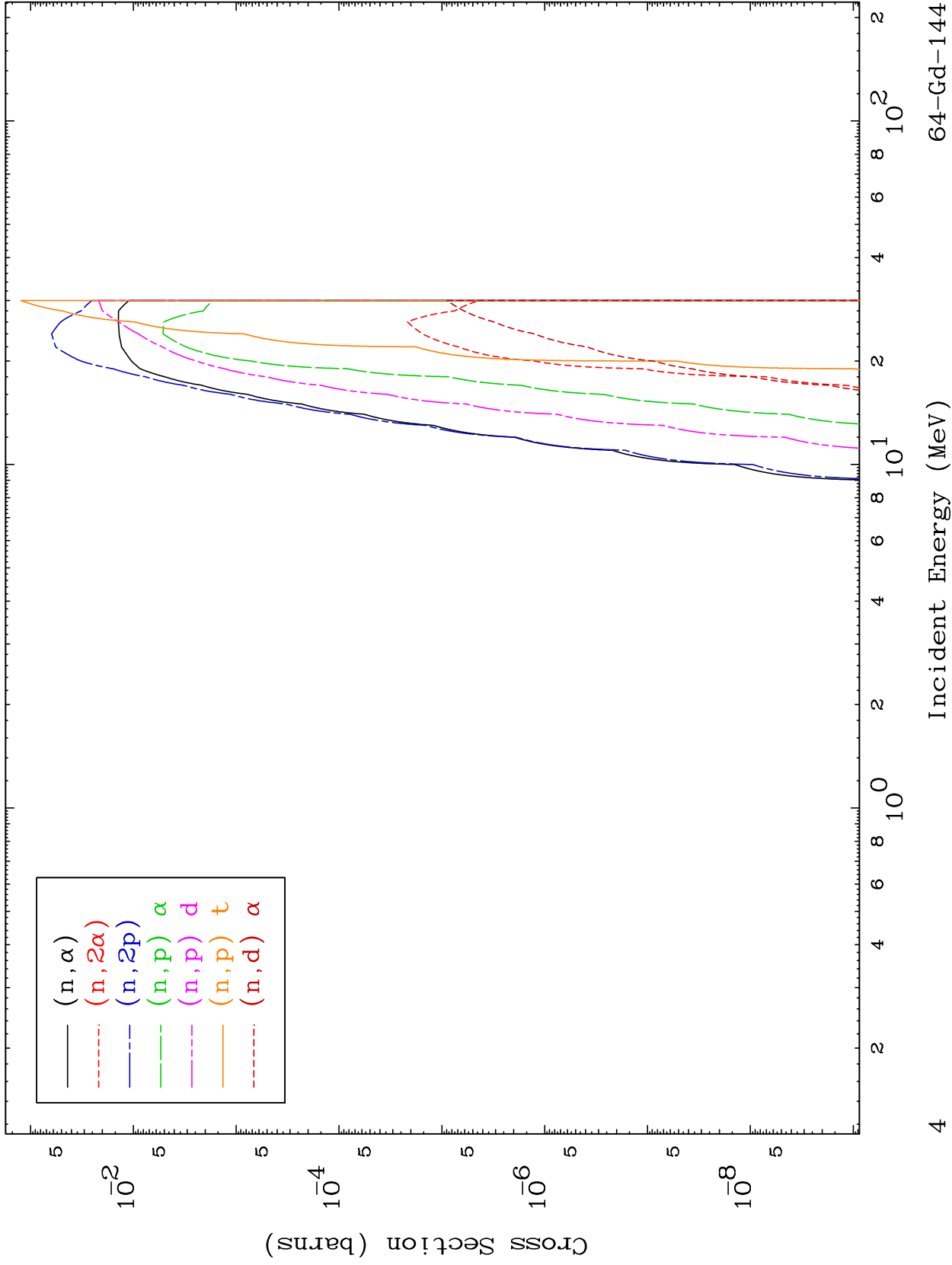
64-Gd-144



MAT 6401

He-3 Neutron Absorption  
0 Kelvin Cross Sections

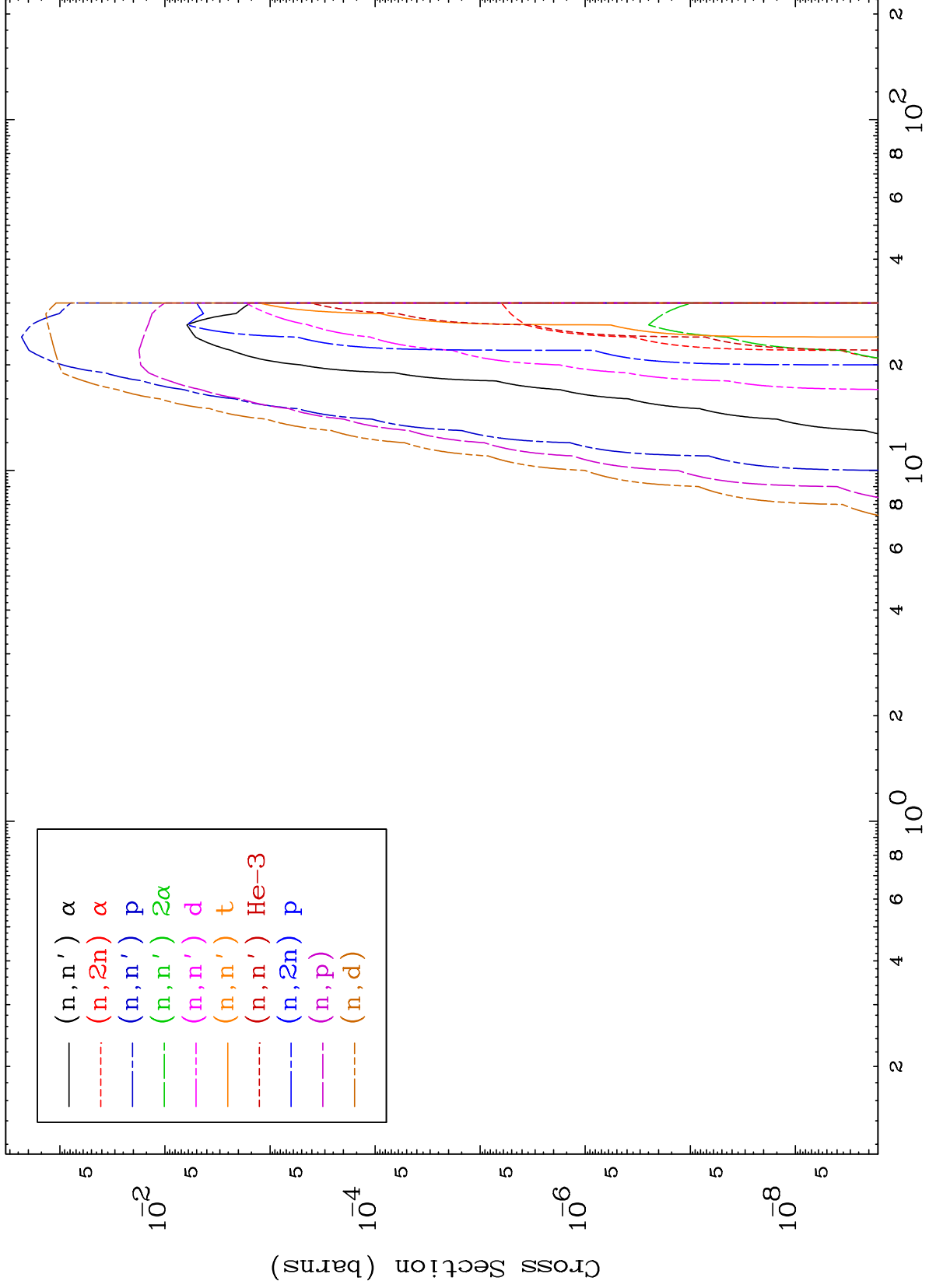
64-Gd-144



MAT 6401

He-3 Charged Particle  
0 Kelvin Cross Sections

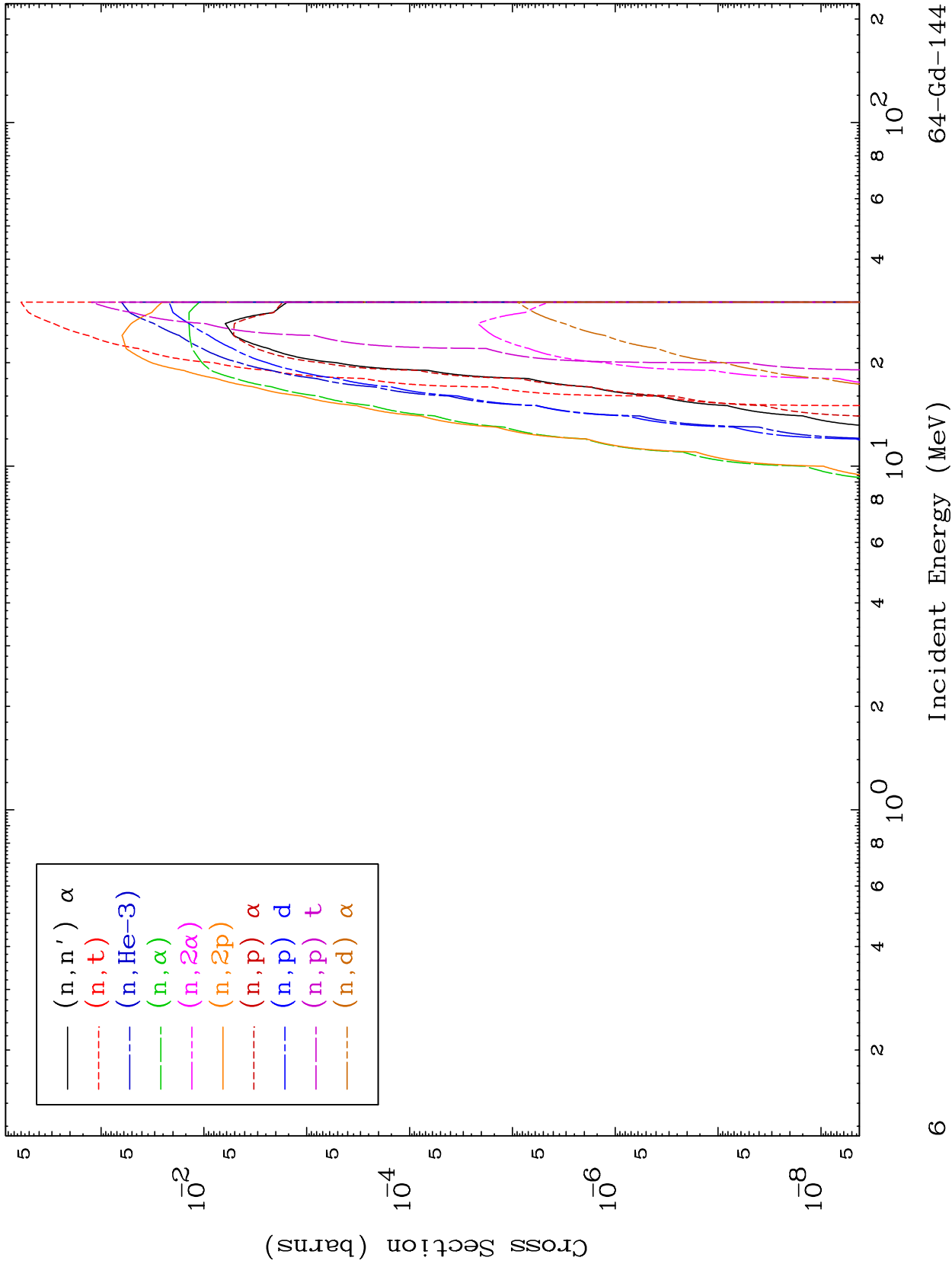
64-Gd-144



MAT 6401

He-3 Charged Particle  
0 Kelvin Cross Sections

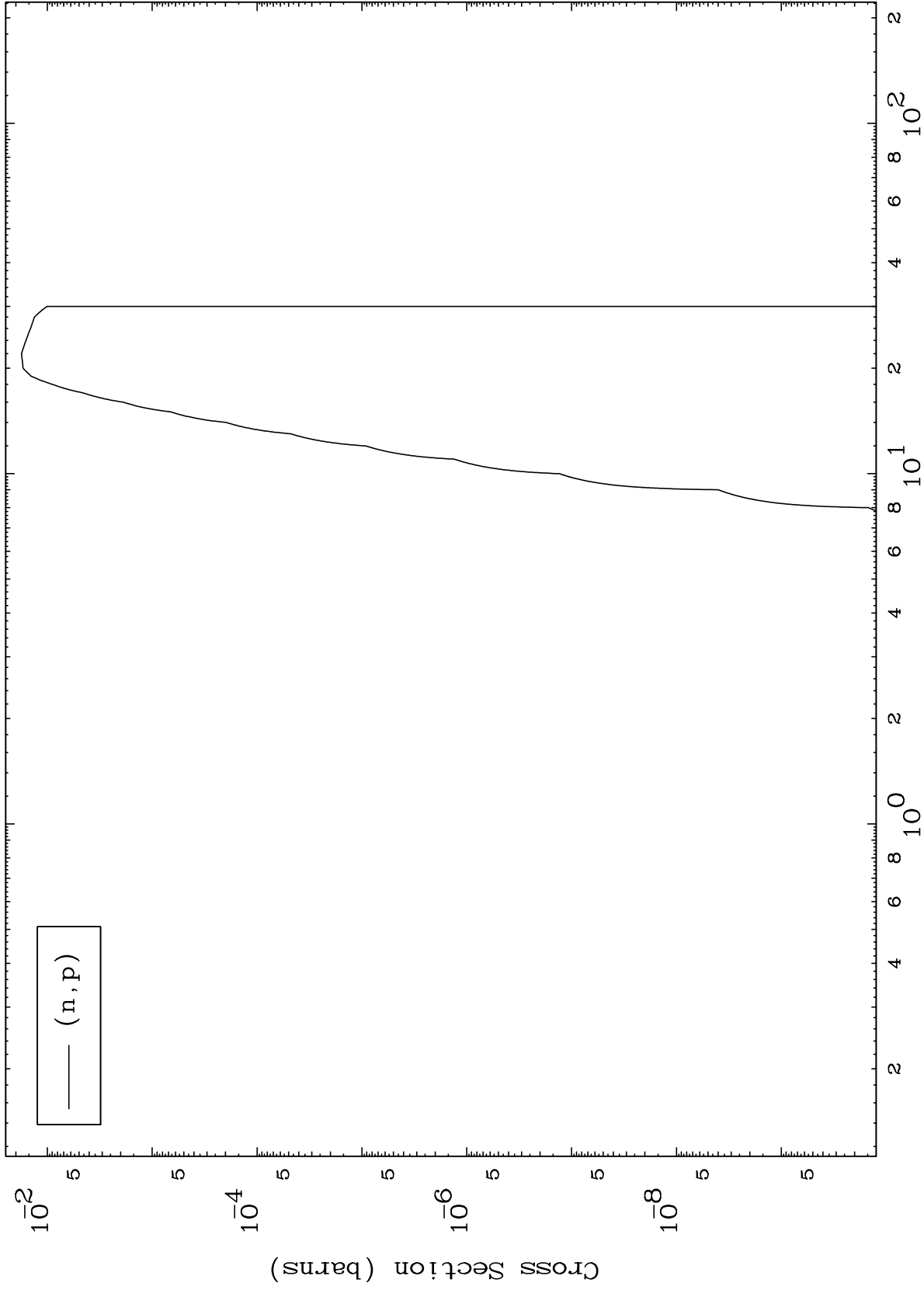
64-Gd-144



MAT 6401

64-Gd-144

(He-3,p) Levels  
0 Kelvin Cross Sections



64-Gd-144

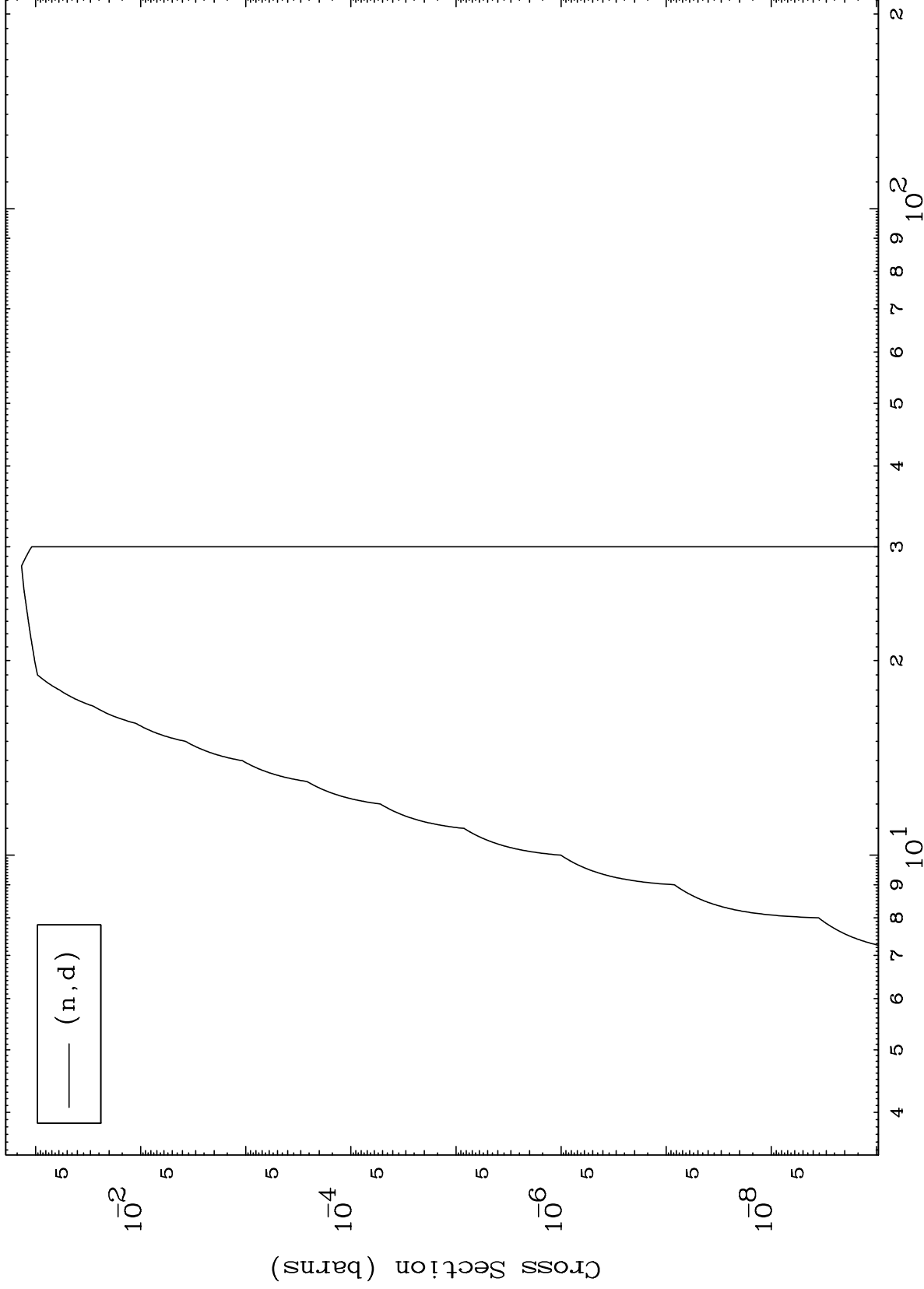
Incident Energy (MeV)

7

MAT 6401

(He-3,d) Levels  
0 Kelvin Cross Sections

64-Gd-144



8

Incident Energy (MeV)

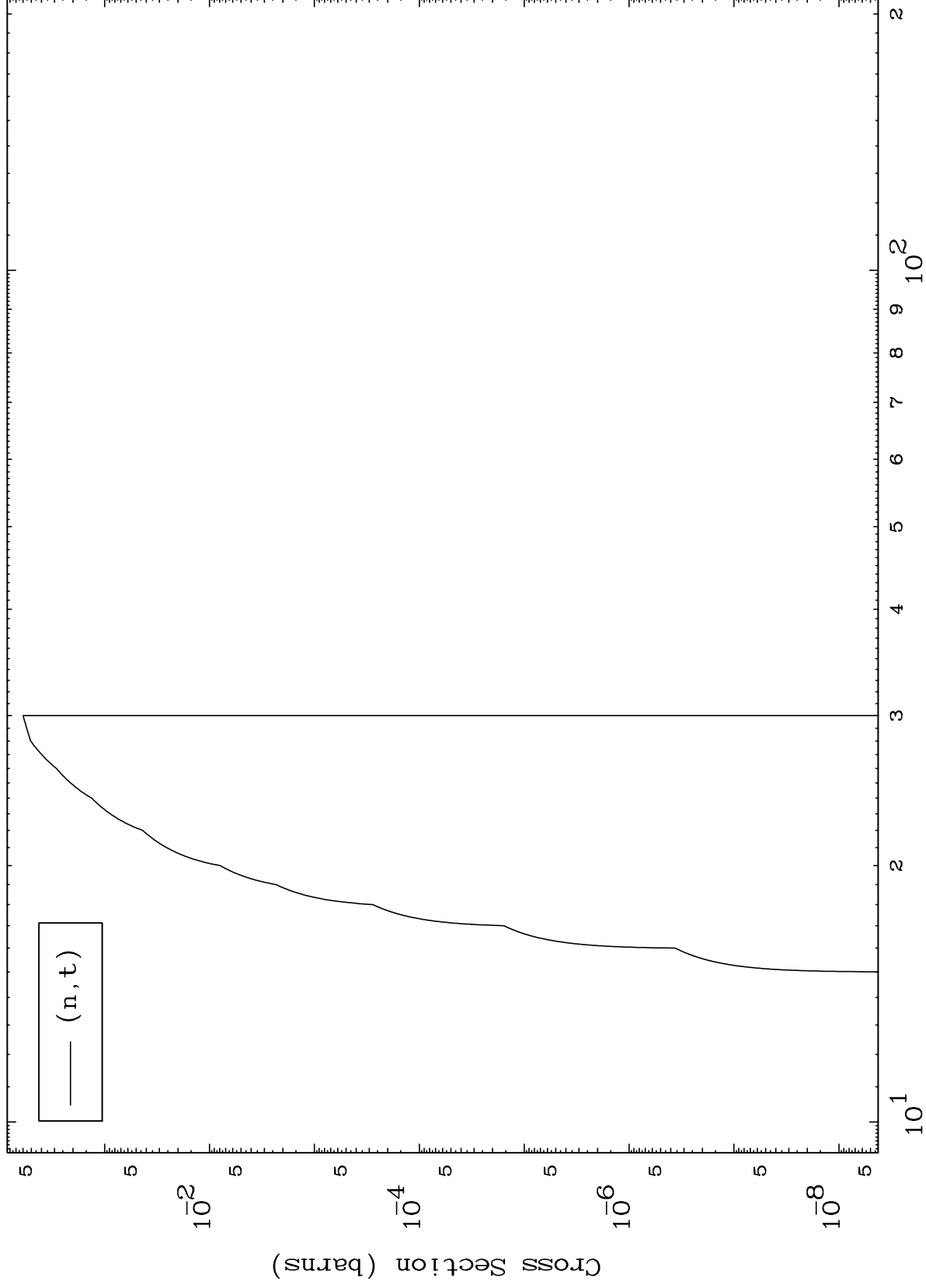
64-Gd-144

MAT 6401

(He-3,t) Levels

64-Gd-144

0 Kelvin Cross Sections



Incident Energy (MeV)

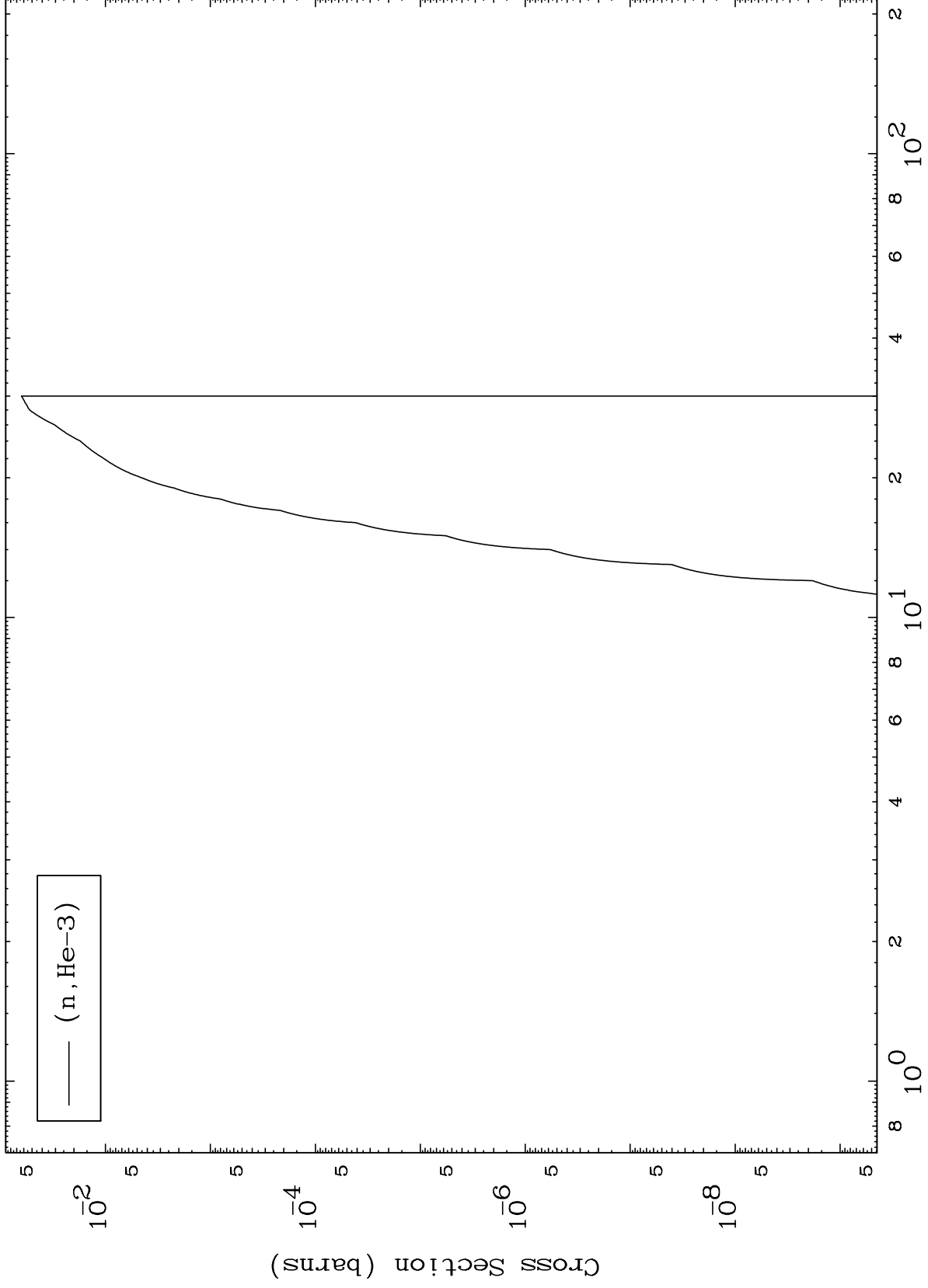
64-Gd-144

MAT 6401

(He-3, He3) Levels

64-Gd-144

0 Kelvin Cross Sections



10

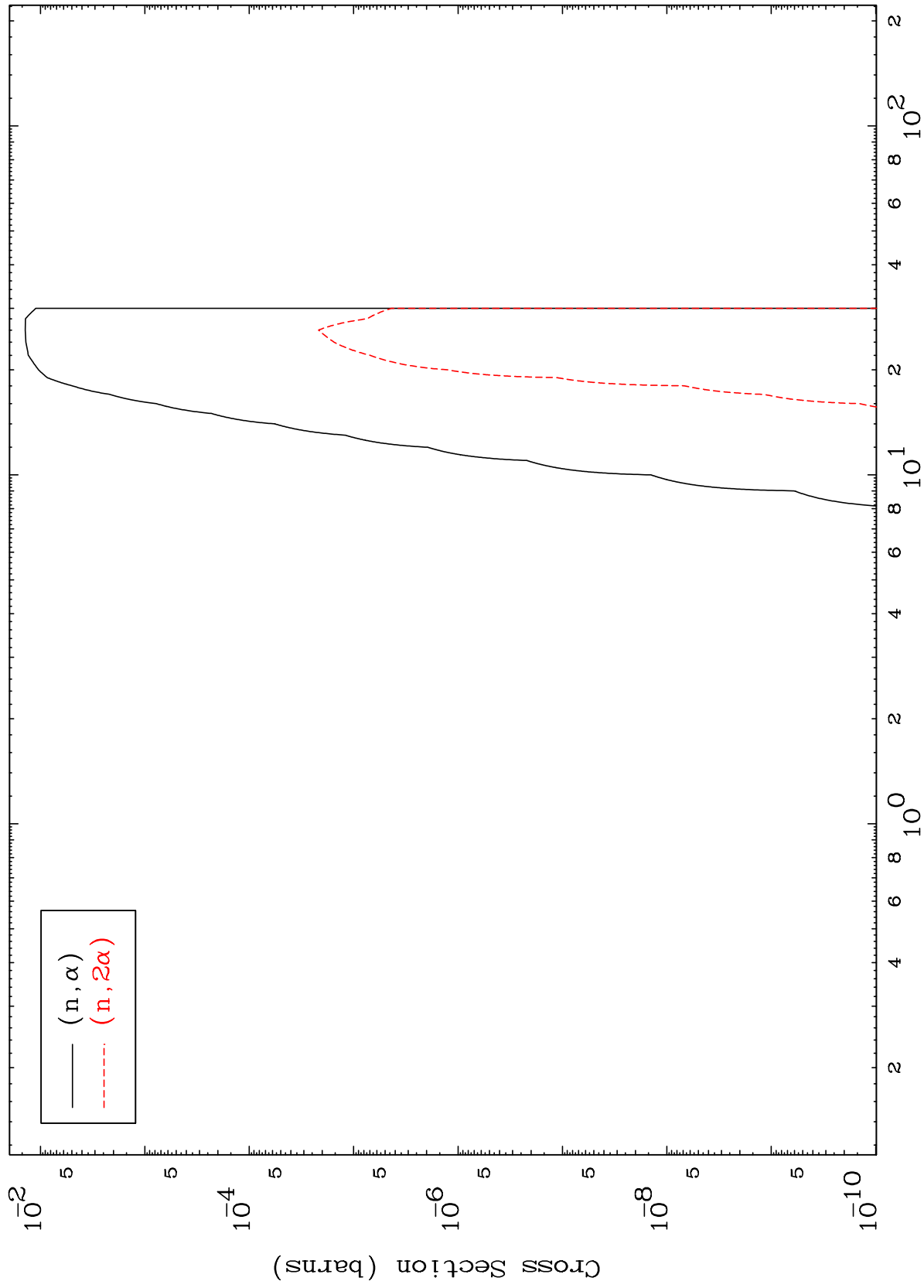
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

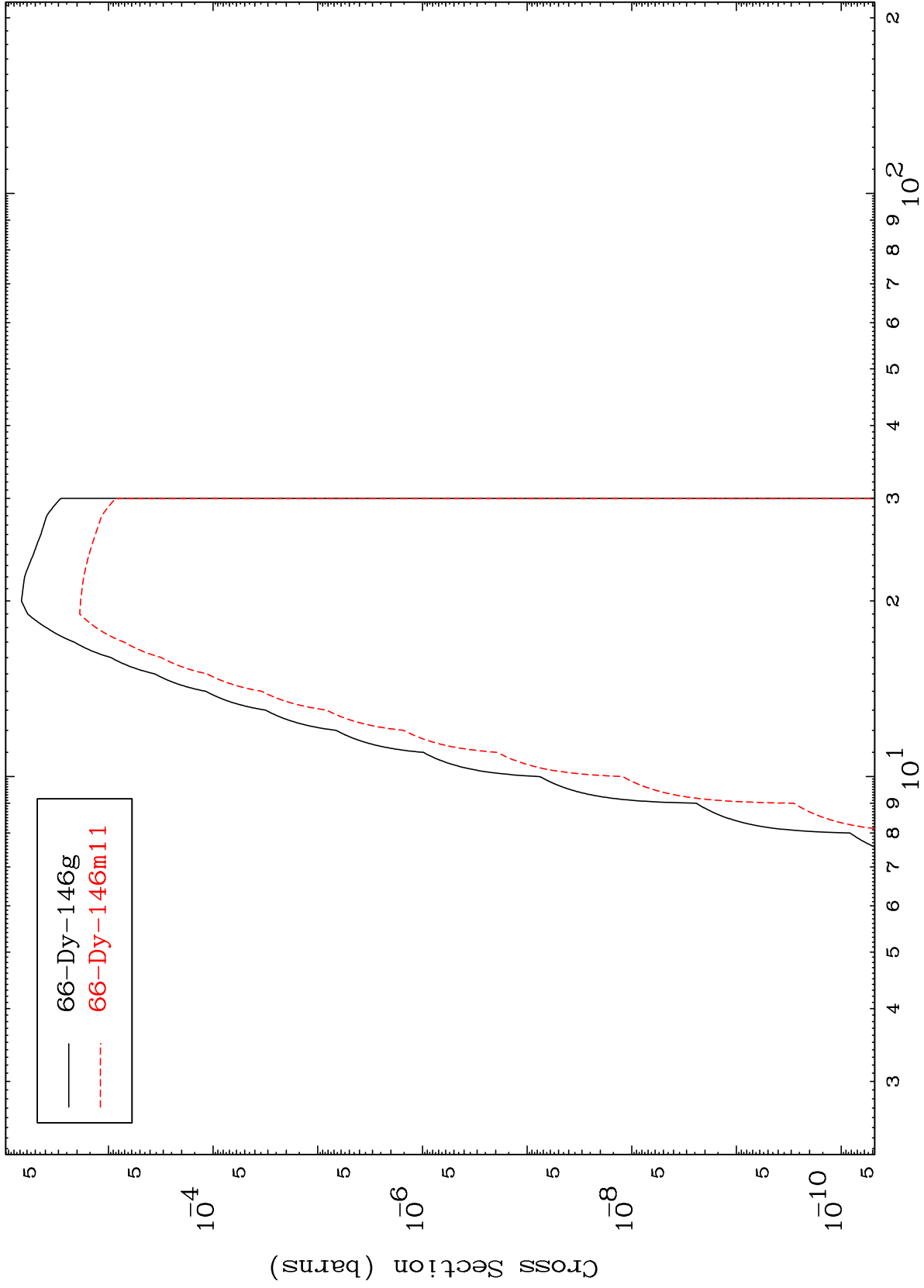
(He-3,  $\alpha$ ) Levels  
0 Kelvin Cross Sections



MAT 6401

64-Gd-144

Radionuclide Production Cross Section



12

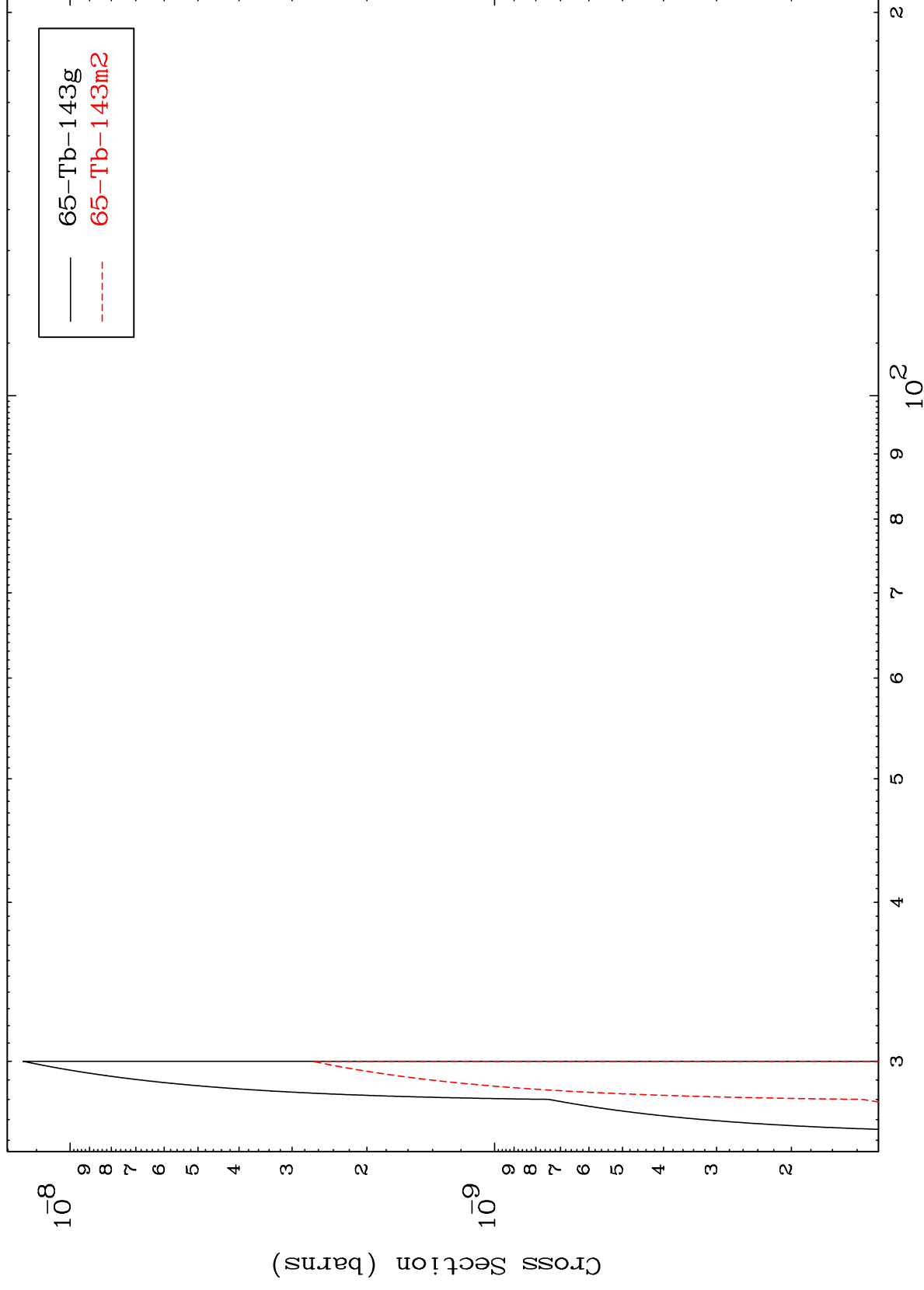
64-Gd-144

MAT 6401

(n,2n) d

64-Gd-144

Radionuclide Production Cross Section



13

Incident Energy (MeV)

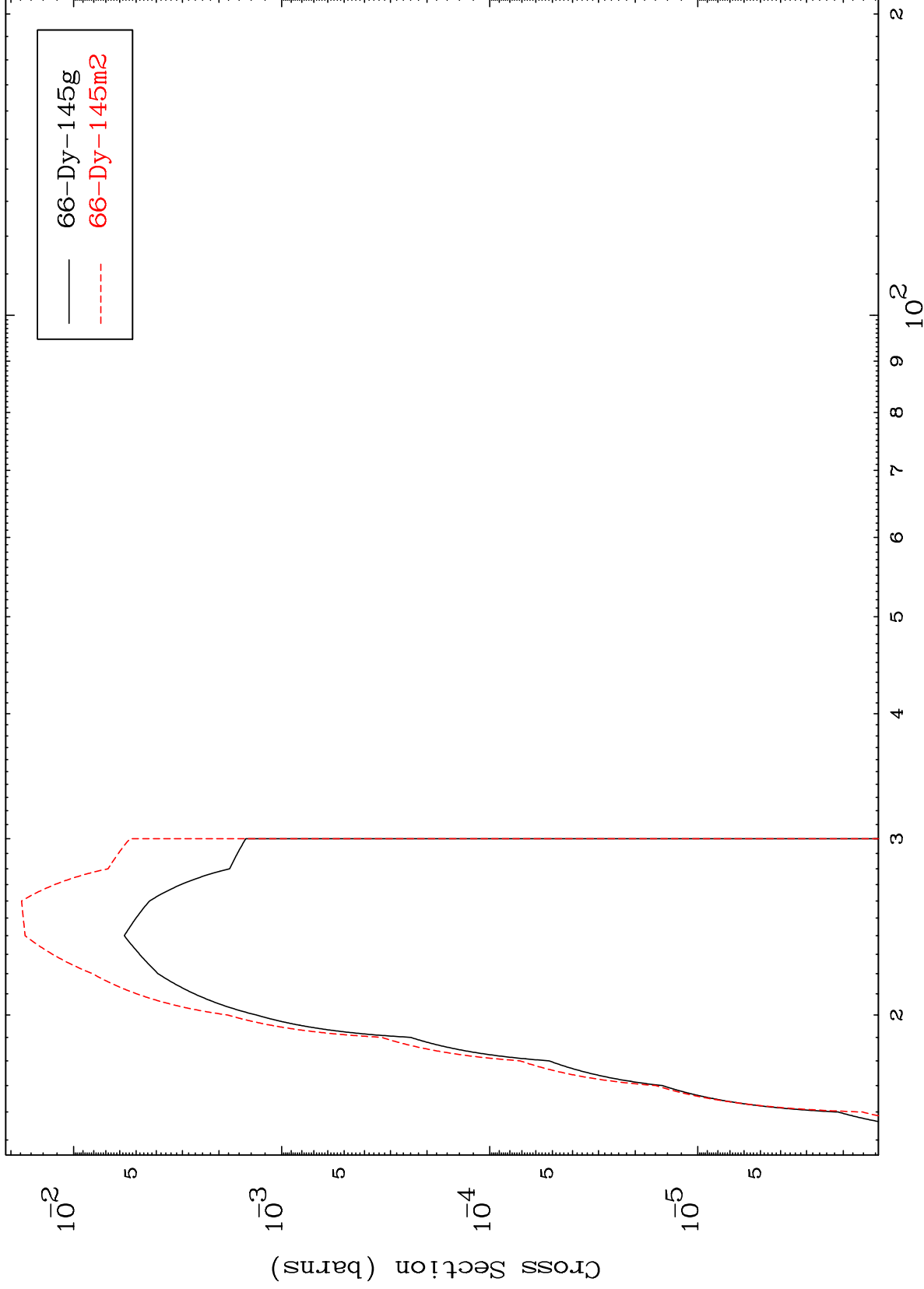
64-Gd-144

MAT 6401

(n,2n)

64-Gd-144

Radionuclide Production Cross Section



14

Incident Energy (MeV)

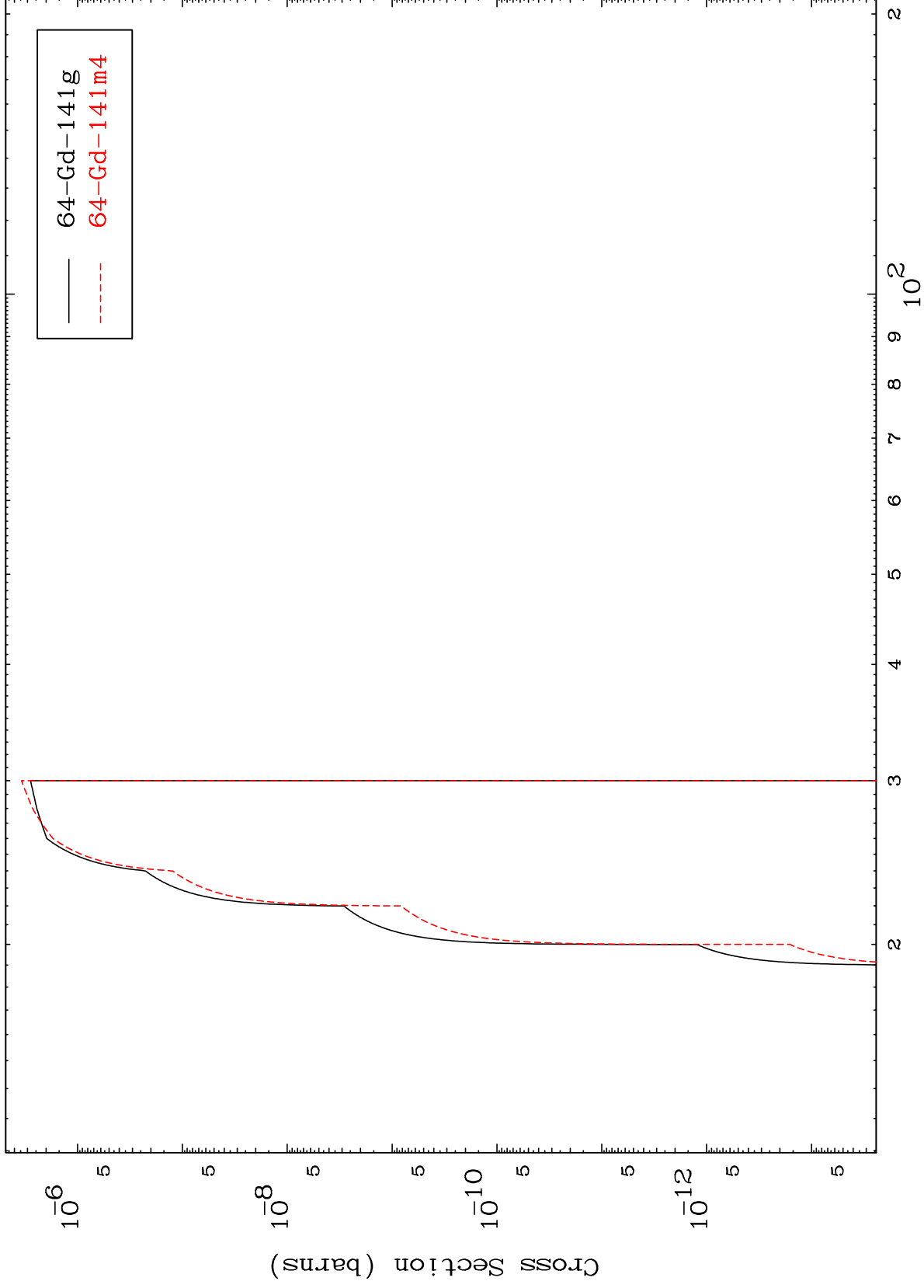
64-Gd-144

MAT 6401

(n,2n)  $\alpha$

64-Gd-144

Radionuclide Production Cross Section



15

Incident Energy (MeV)

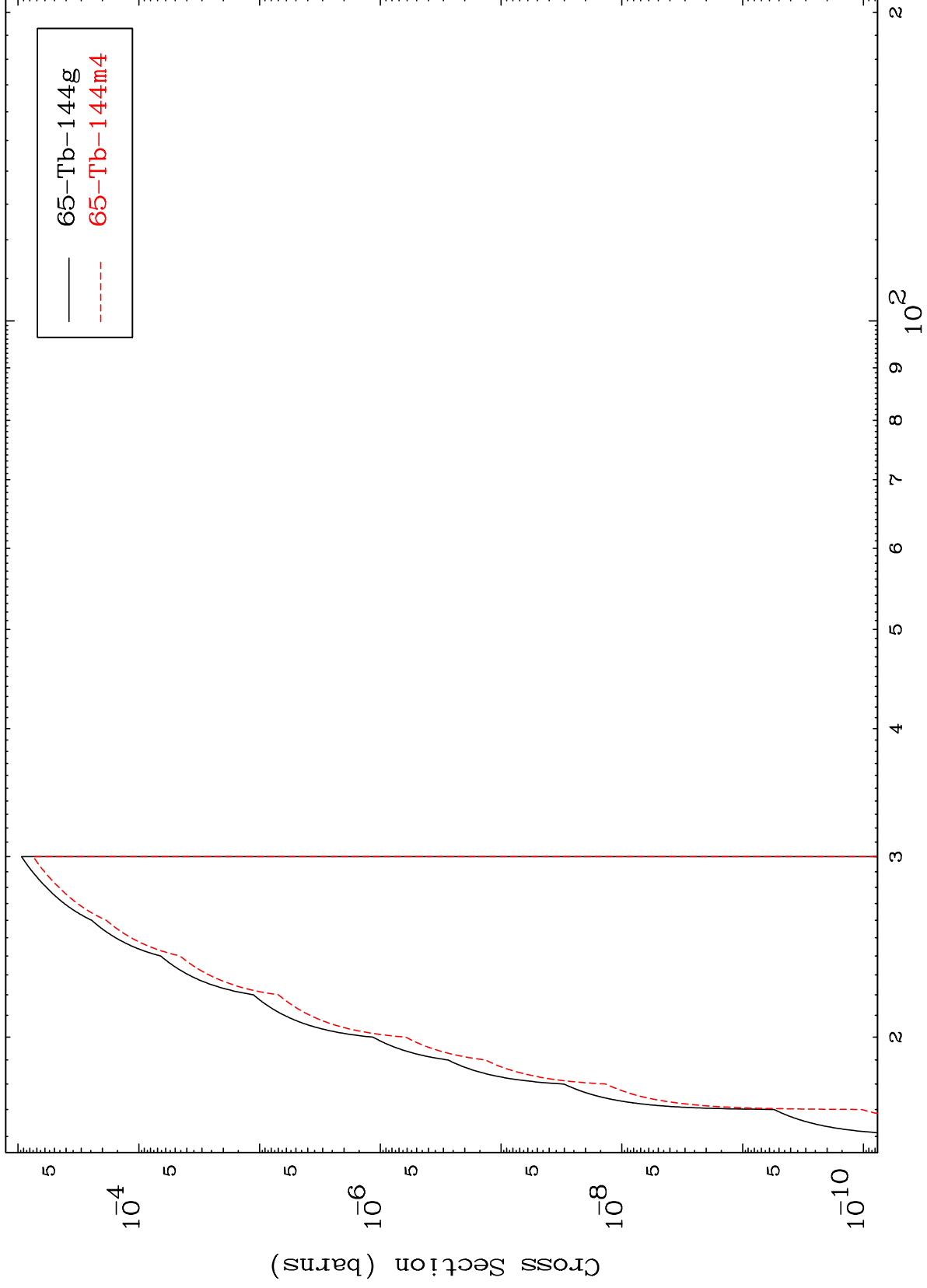
64-Gd-144

MAT 6401

(n,n') d

64-Gd-144

Radionuclide Production Cross Section



16

Incident Energy (MeV)

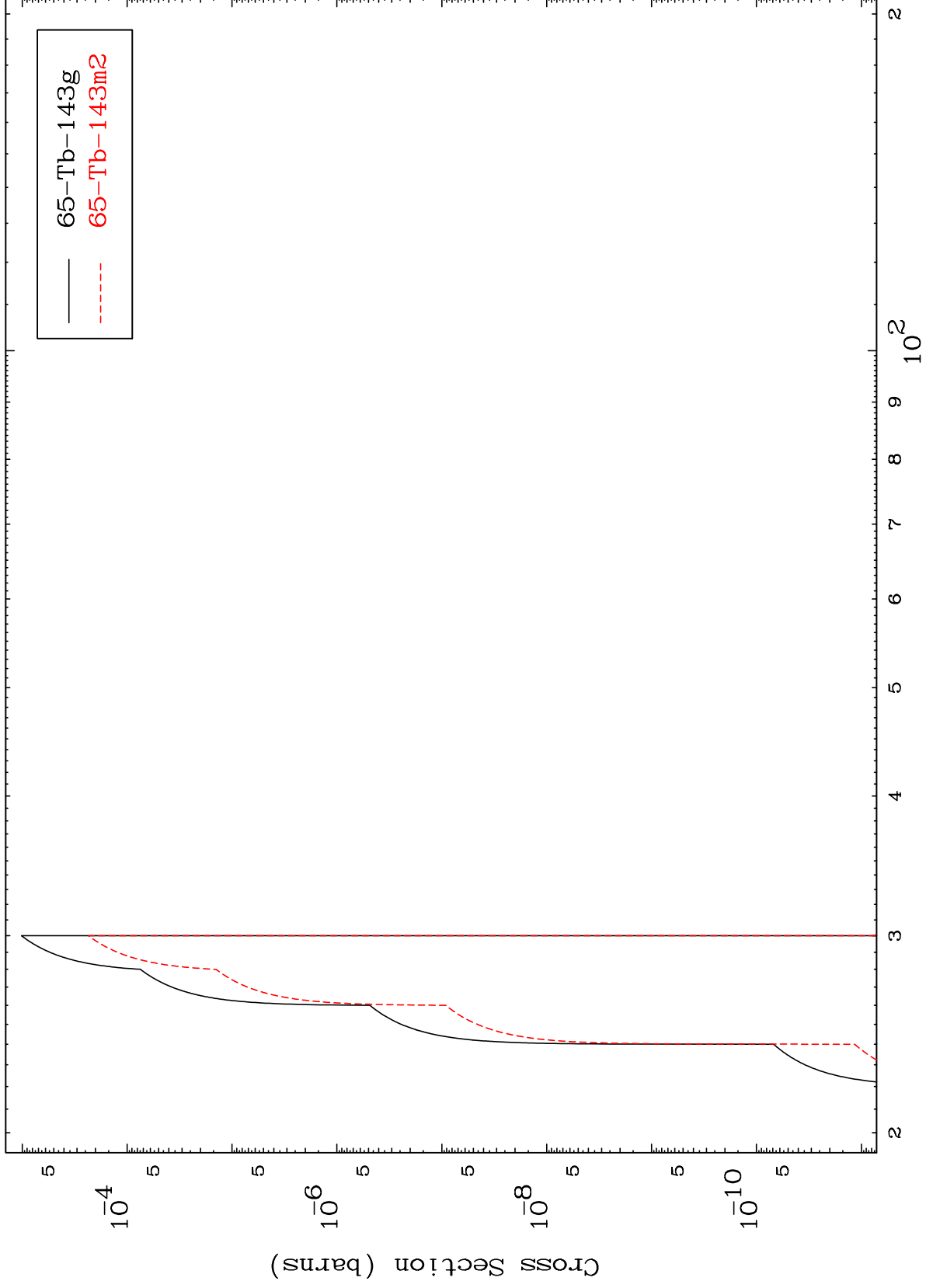
64-Gd-144

MAT 6401

(n,n') t

64-Gd-144

Radionuclide Production Cross Section



17

Incident Energy (MeV)

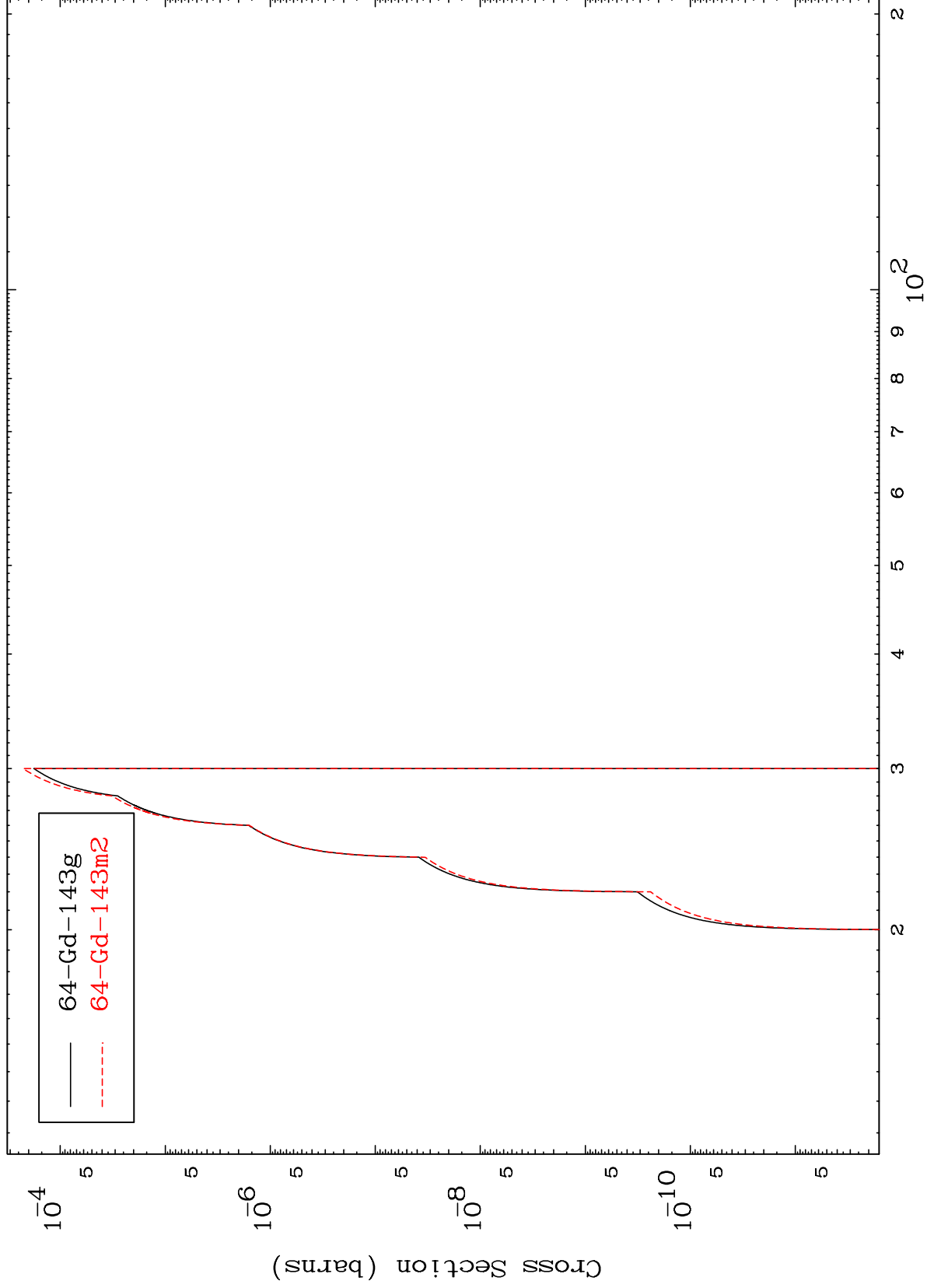
64-Gd-144

MAT 6401

(n,n') He-3

64-Gd-144

Radionuclide Production Cross Section



18

Incident Energy (MeV)

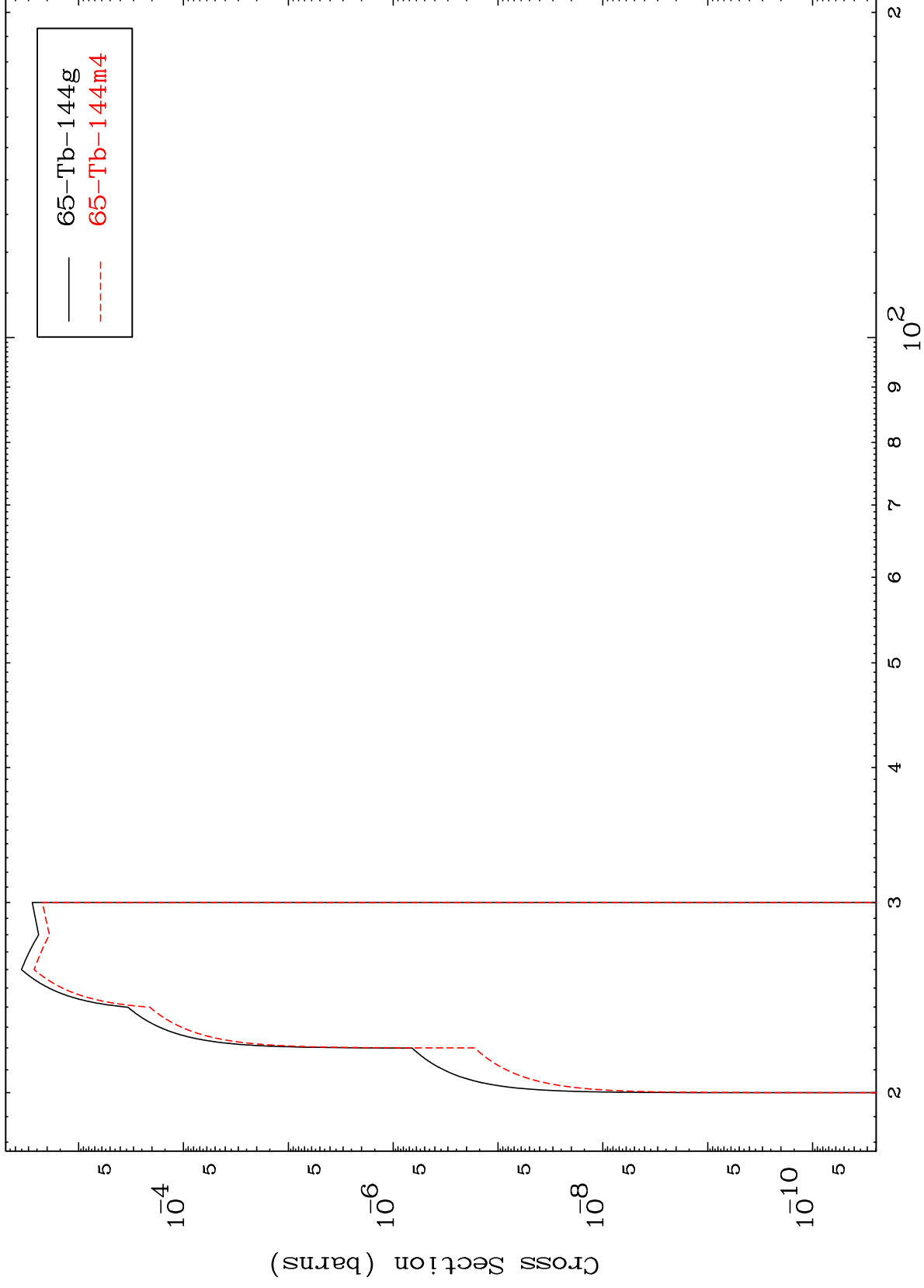
64-Gd-144

MAT 6401

(n,2n) p

64-Gd-144

Radionuclide Production Cross Section



19

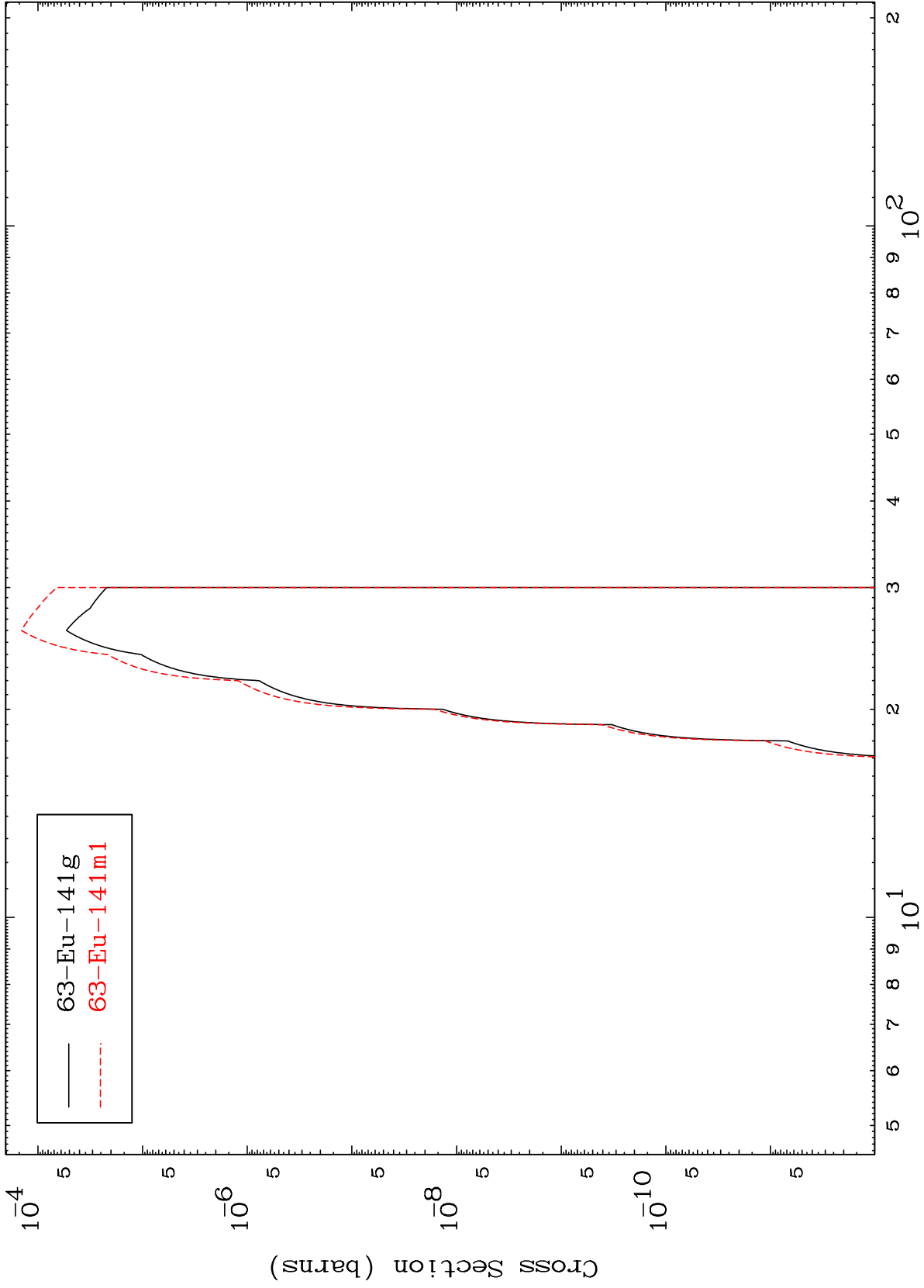
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

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



64-Gd-144

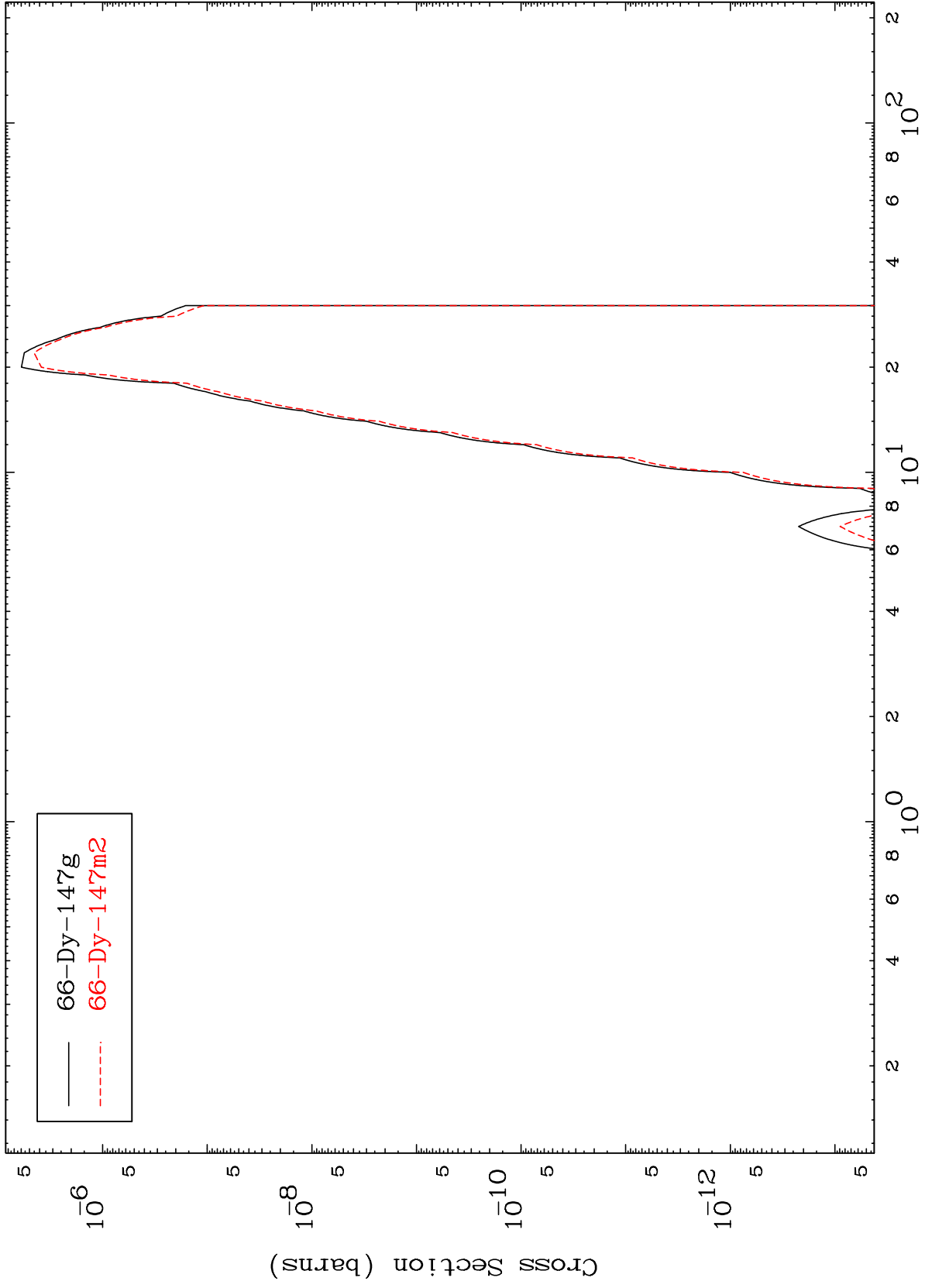
Incident Energy (MeV)

20

MAT 6401

64-Gd-144

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



21

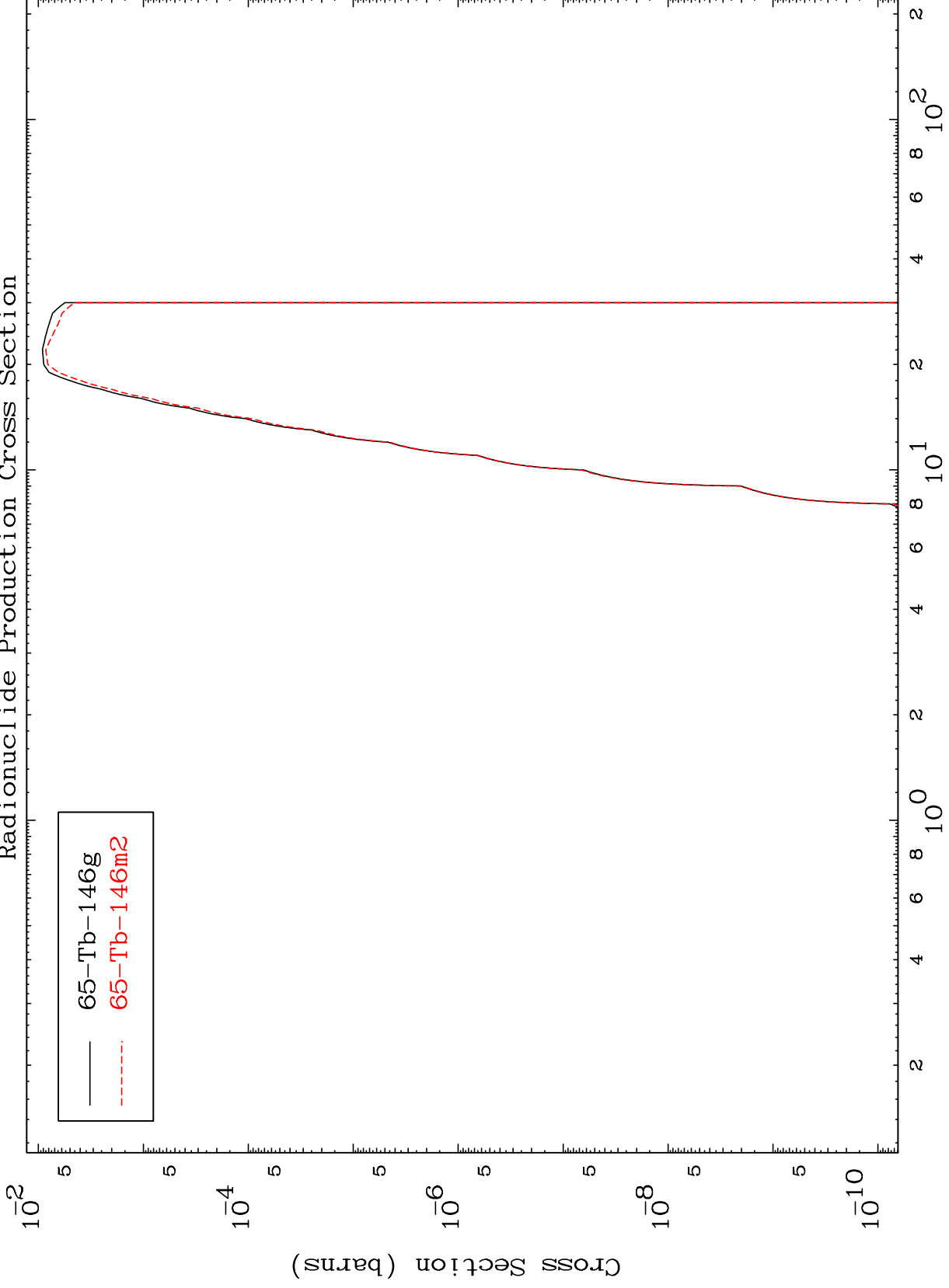
64-Gd-144

Incident Energy (MeV)

MAT 6401

64-Gd-144

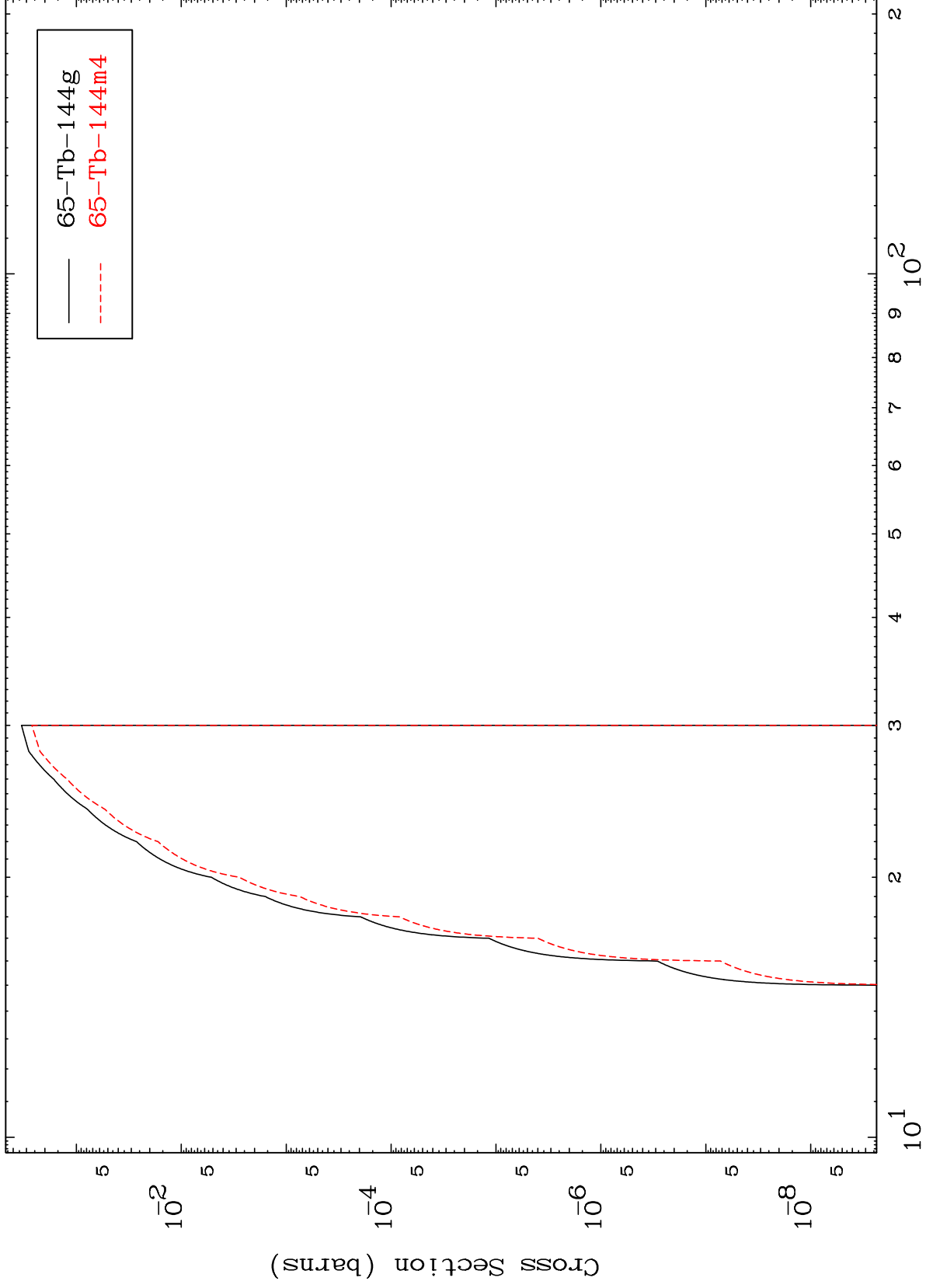
(n,p)  
Radionuclide Production Cross Section



MAT 6401

64-Gd-144

(n, t)  
Radionuclide Production Cross Section



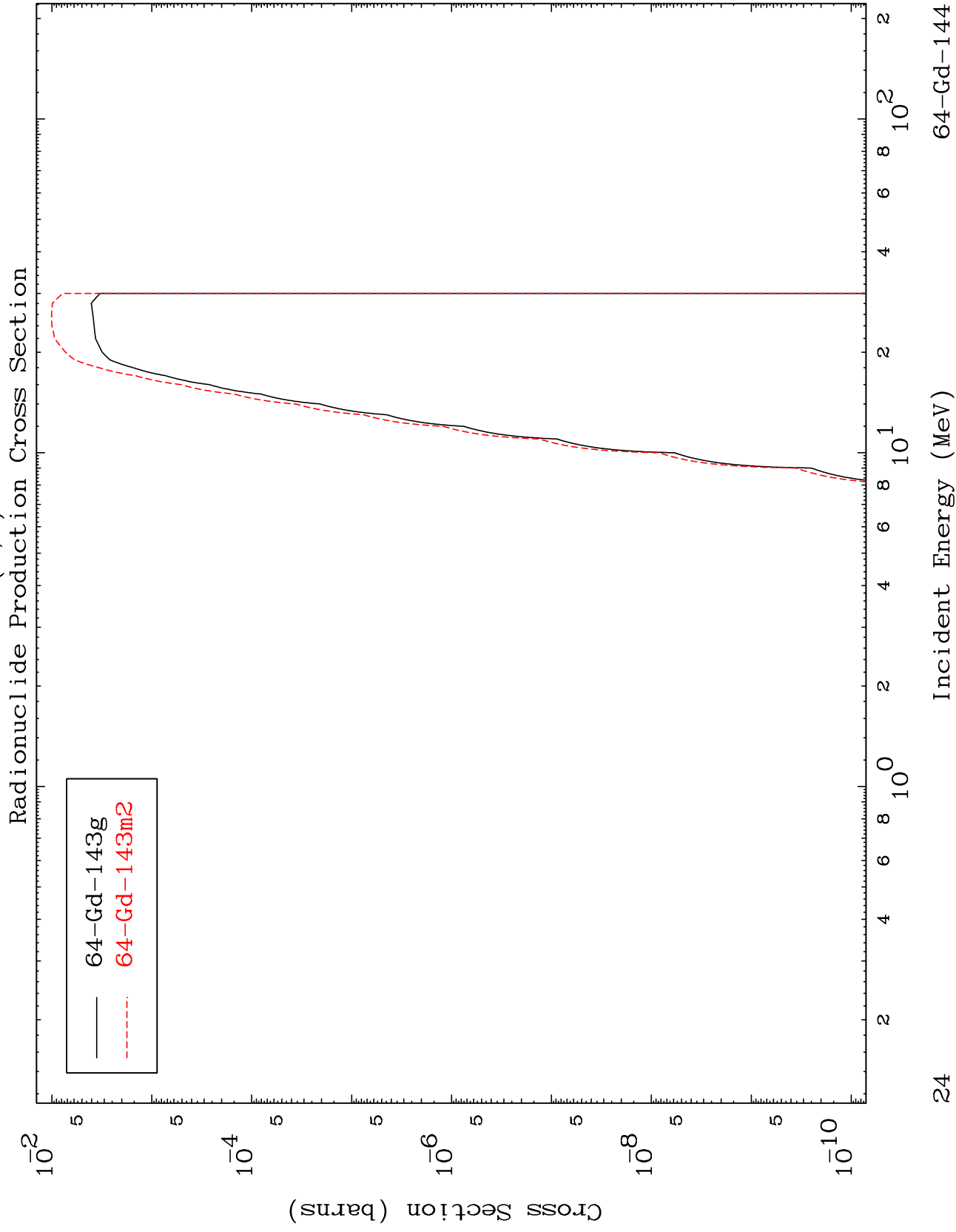
64-Gd-144

Incident Energy (MeV)

23

MAT 6401

64-Gd-144



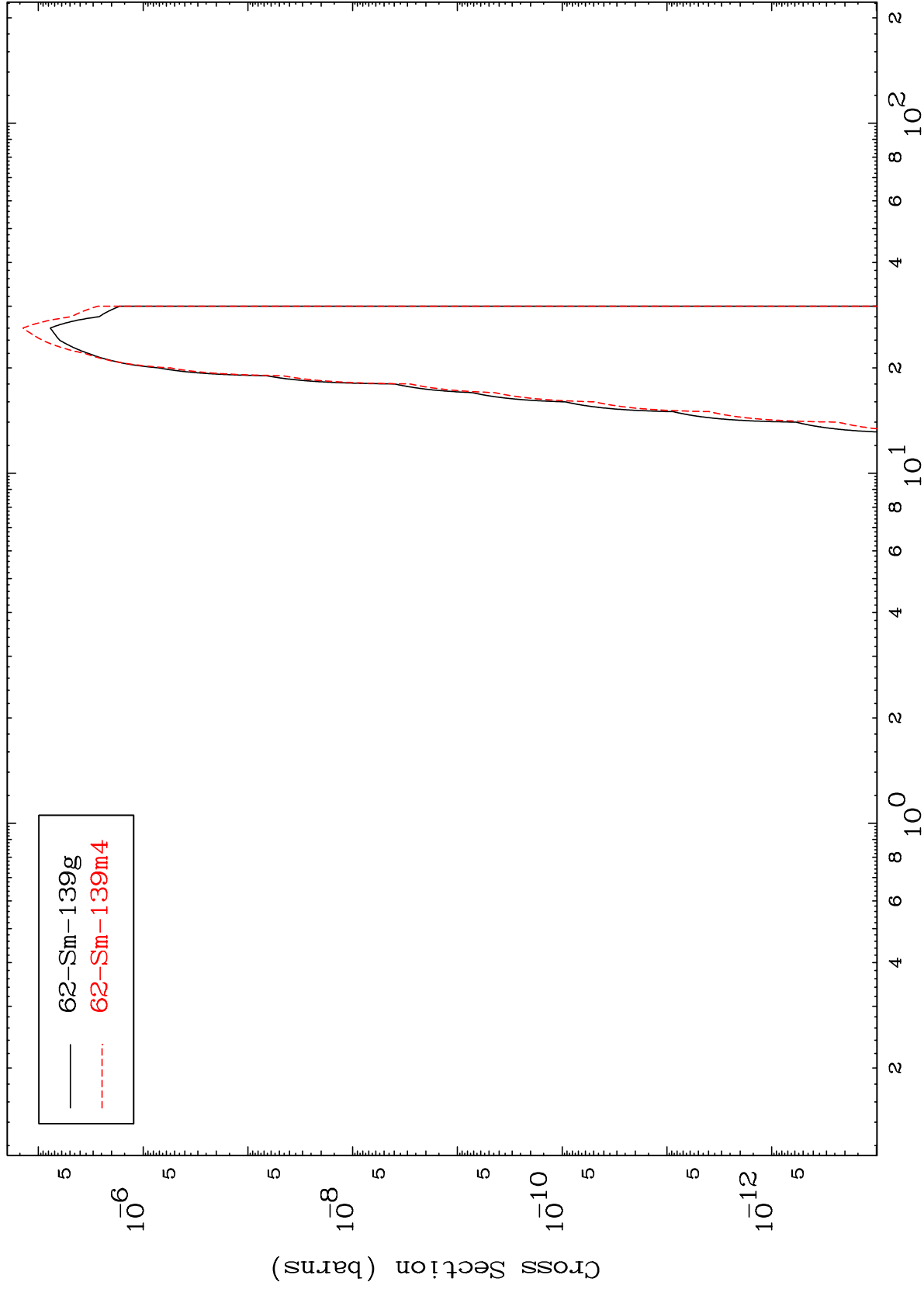
64-Gd-143g  
64-Gd-143m2

MAT 6401

(n,2α)

64-Gd-144

Radionuclide Production Cross Section



25

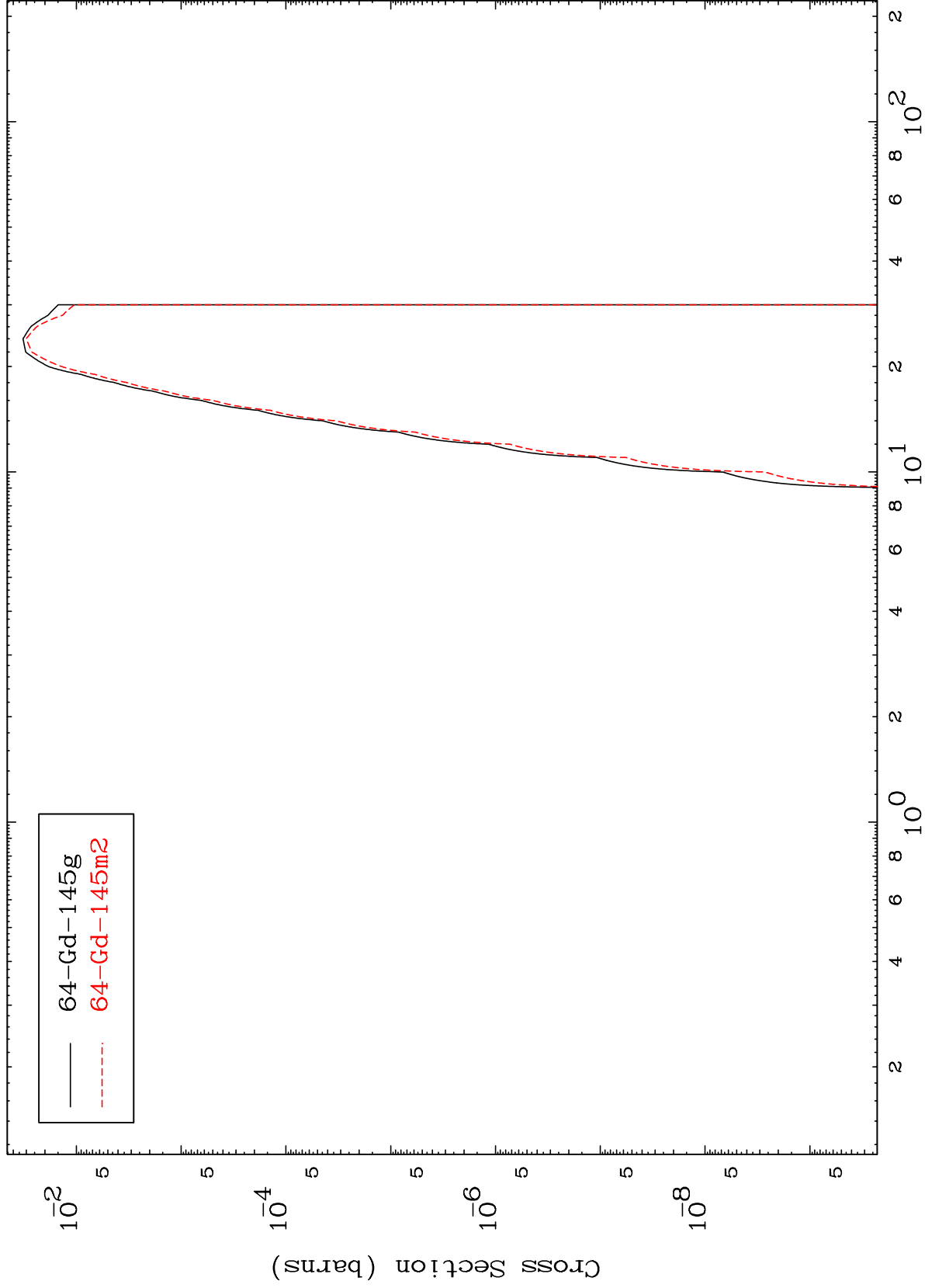
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

(n,2p)  
Radionuclide Production Cross Section



26

64-Gd-144

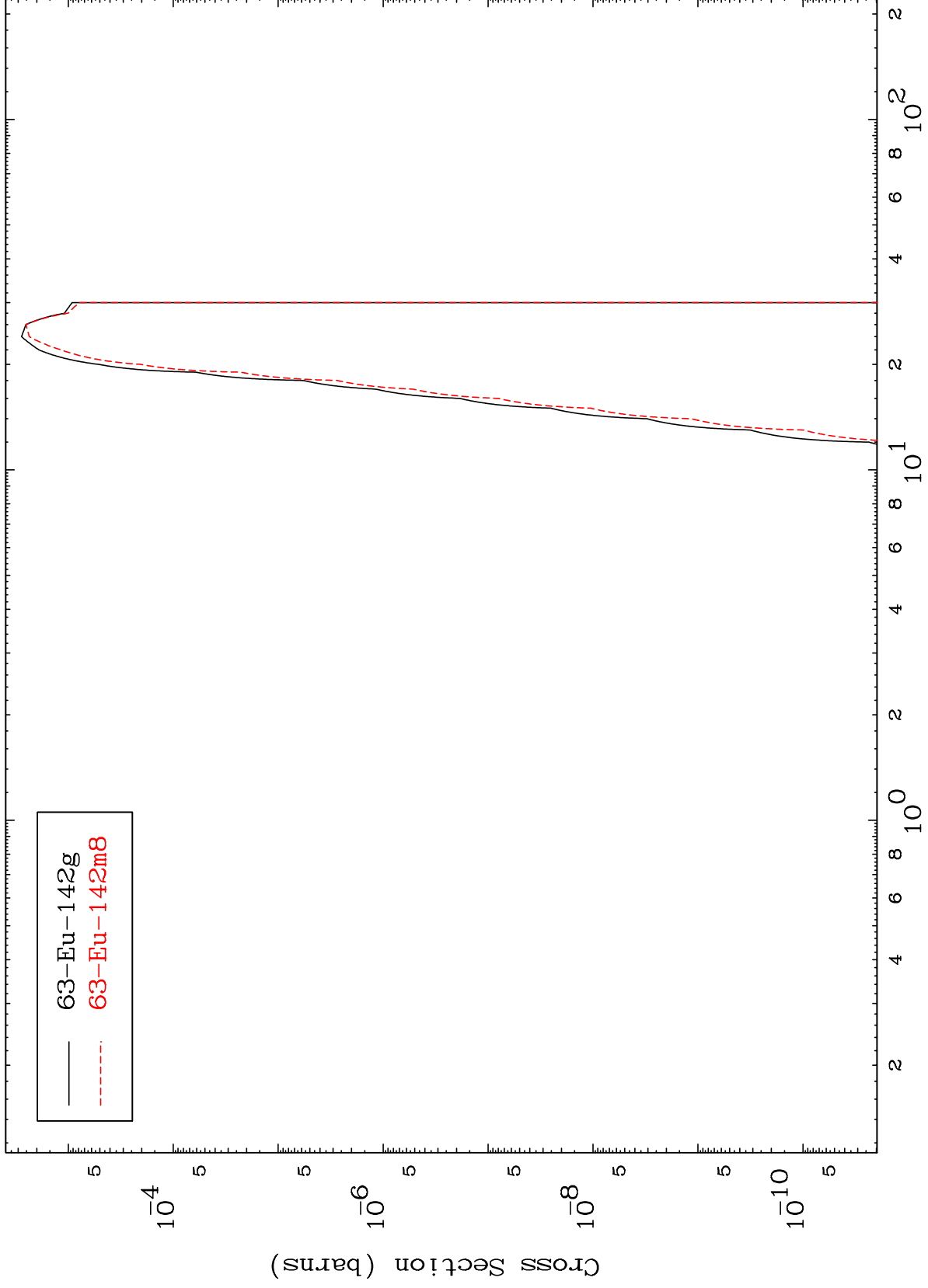
Incident Energy (MeV)

MAT 6401

(n,p)  $\alpha$

64-Gd-144

Radionuclide Production Cross Section

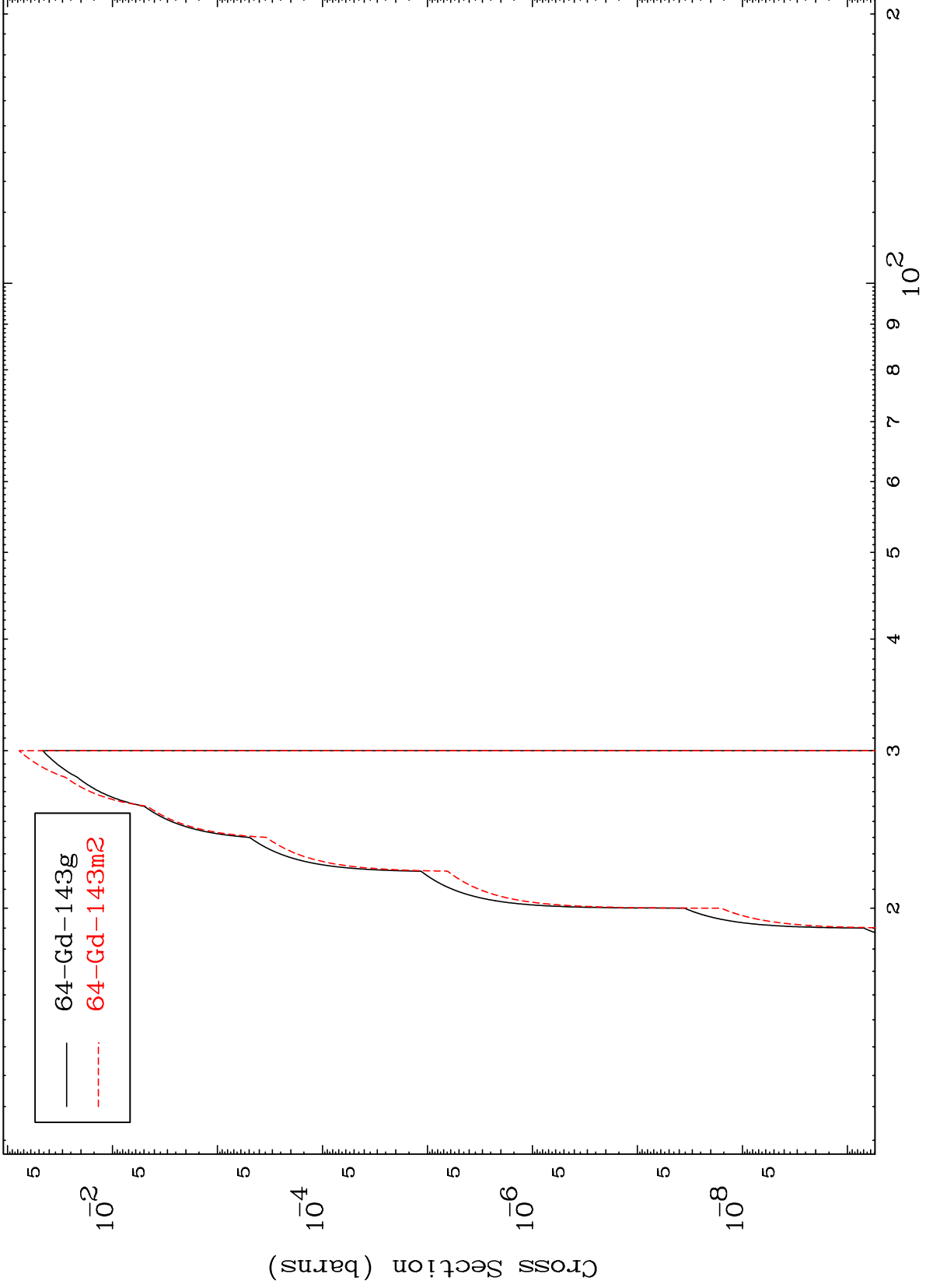


MAT 6401

(n,p) t

64-Gd-144

Radionuclide Production Cross Section



28

Incident Energy (MeV)

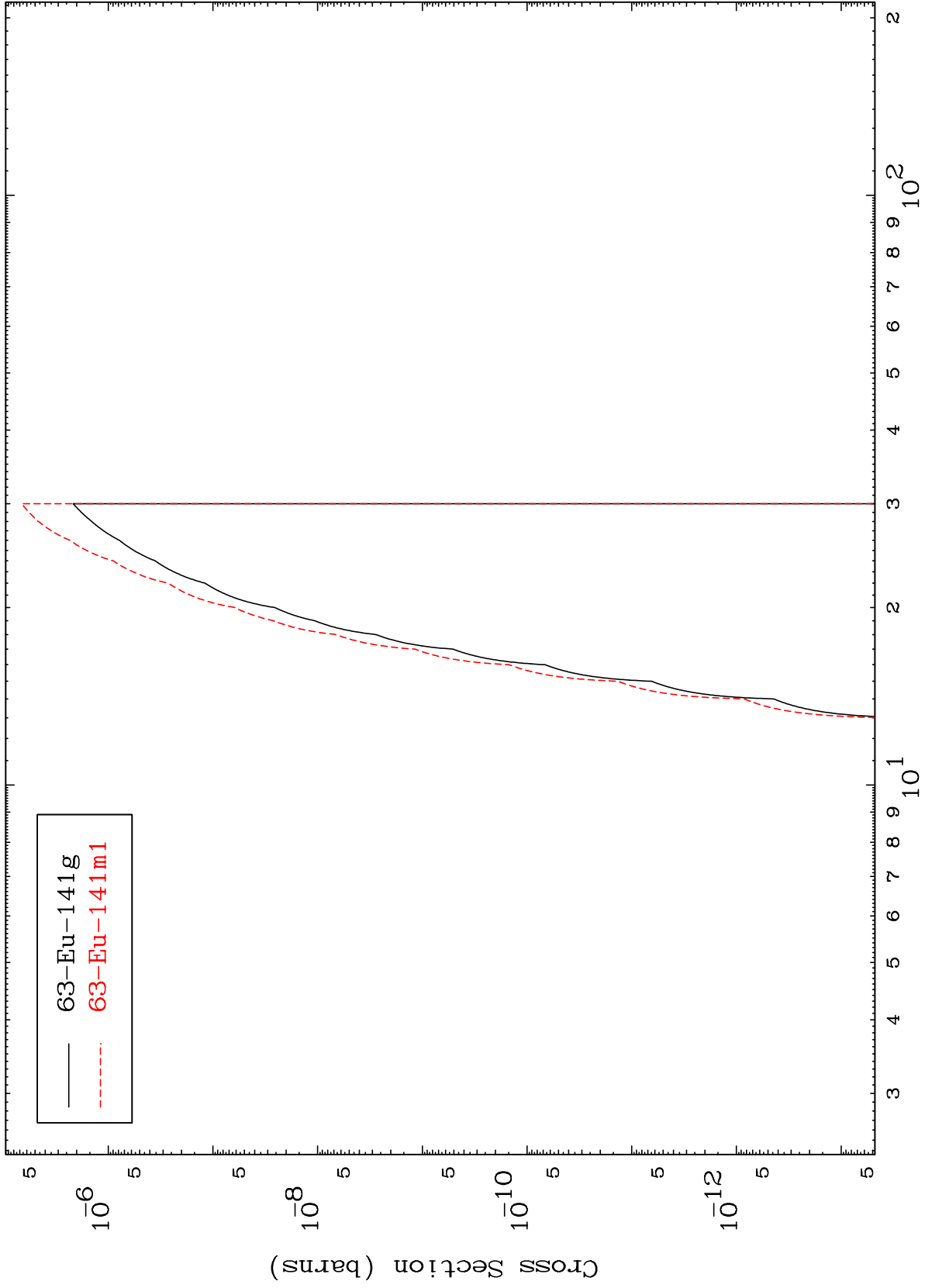
64-Gd-144

MAT 6401

(n,d)  $\alpha$

64-Gd-144

Radionuclide Production Cross Section



29

Incident Energy (MeV)

64-Gd-144