

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

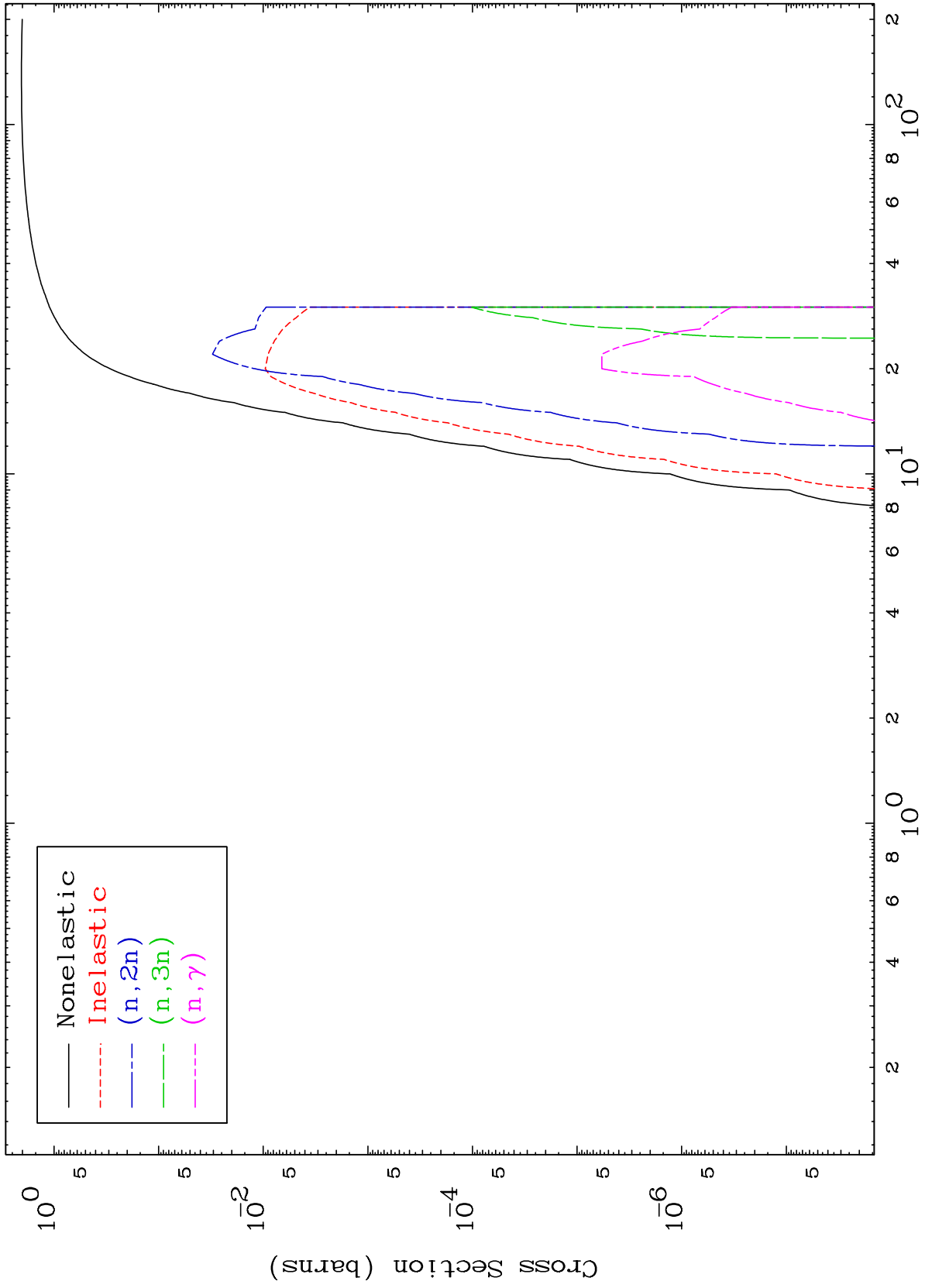
Press Mouse Button to Start

MAT 6404

He-3 Major

64-Gd-145

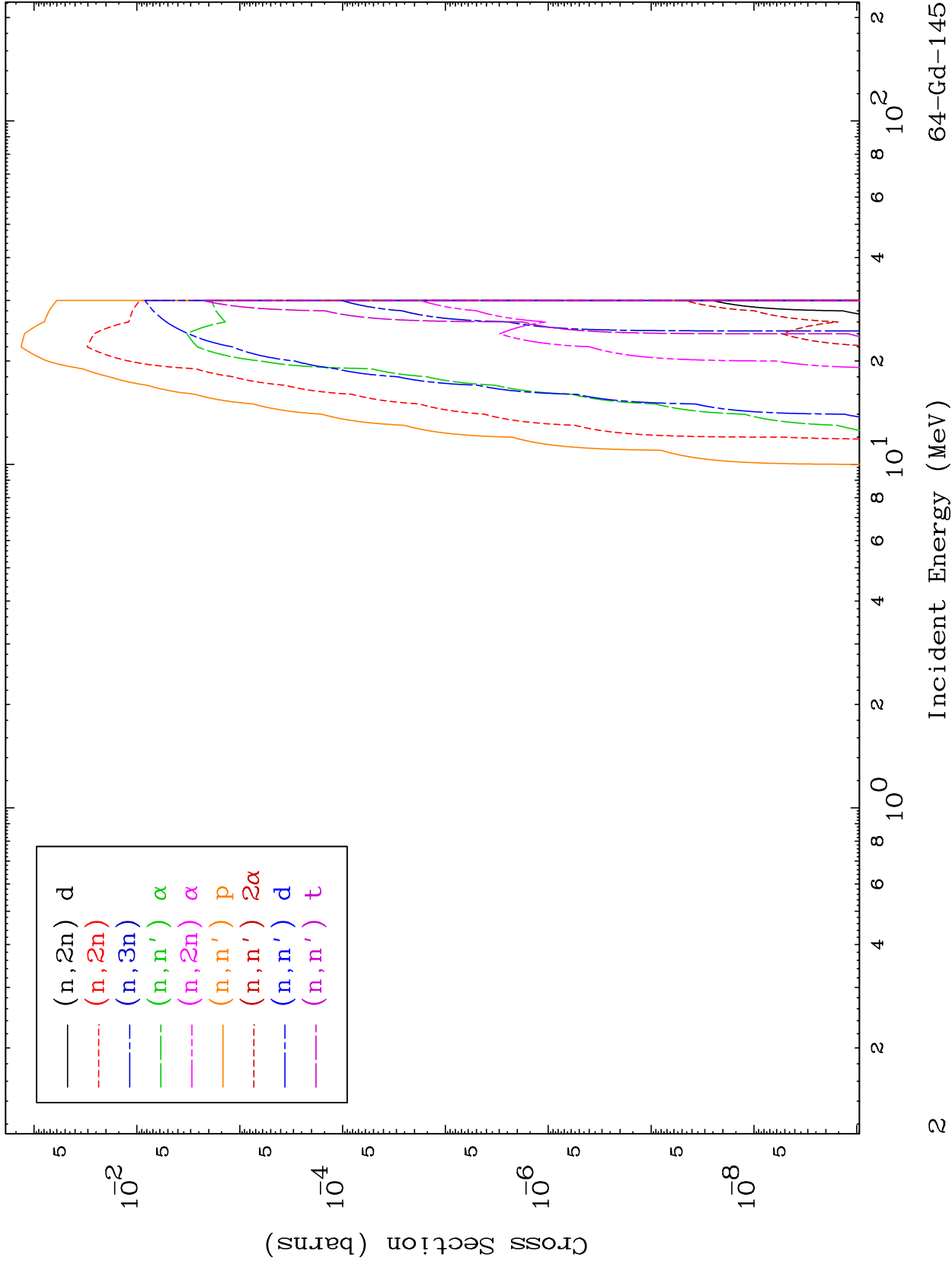
0 Kelvin Cross Sections



MAT 6404

He-3 Neutron Absorption  
0 Kelvin Cross Sections

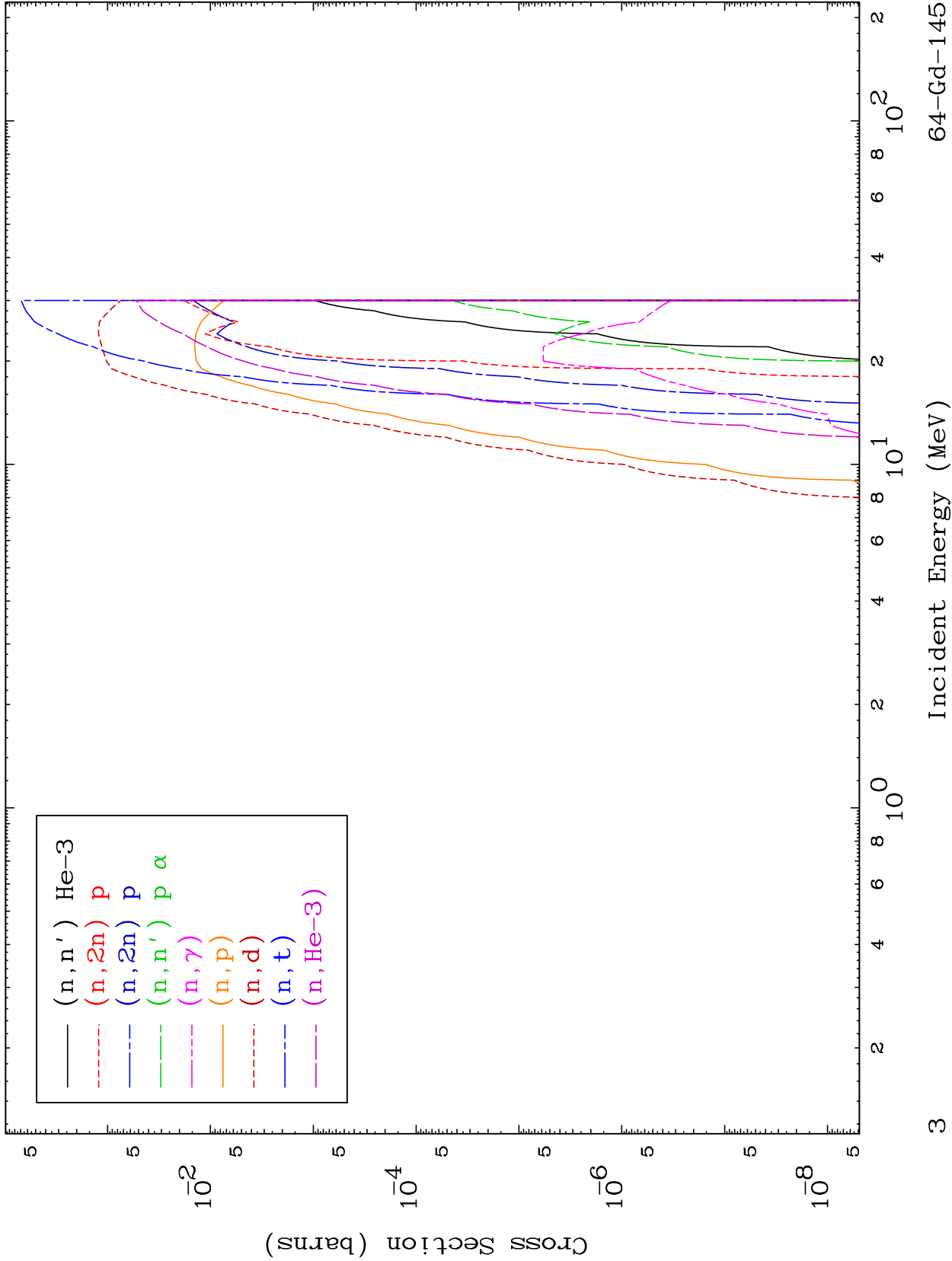
64-Gd-145



MAT 6404

He-3 Neutron Absorption  
0 Kelvin Cross Sections

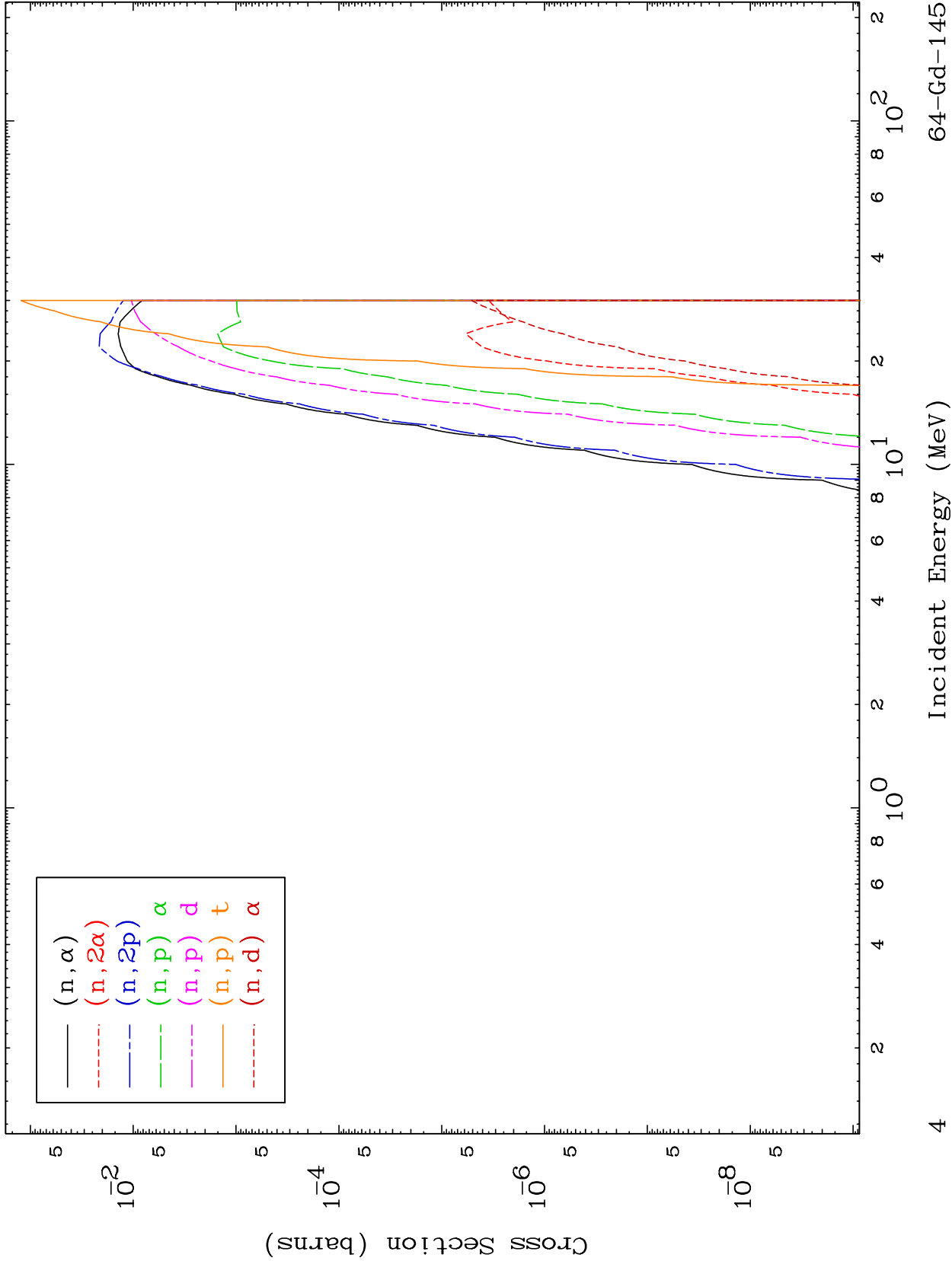
64-Gd-145



MAT 6404

He-3 Neutron Absorption  
0 Kelvin Cross Sections

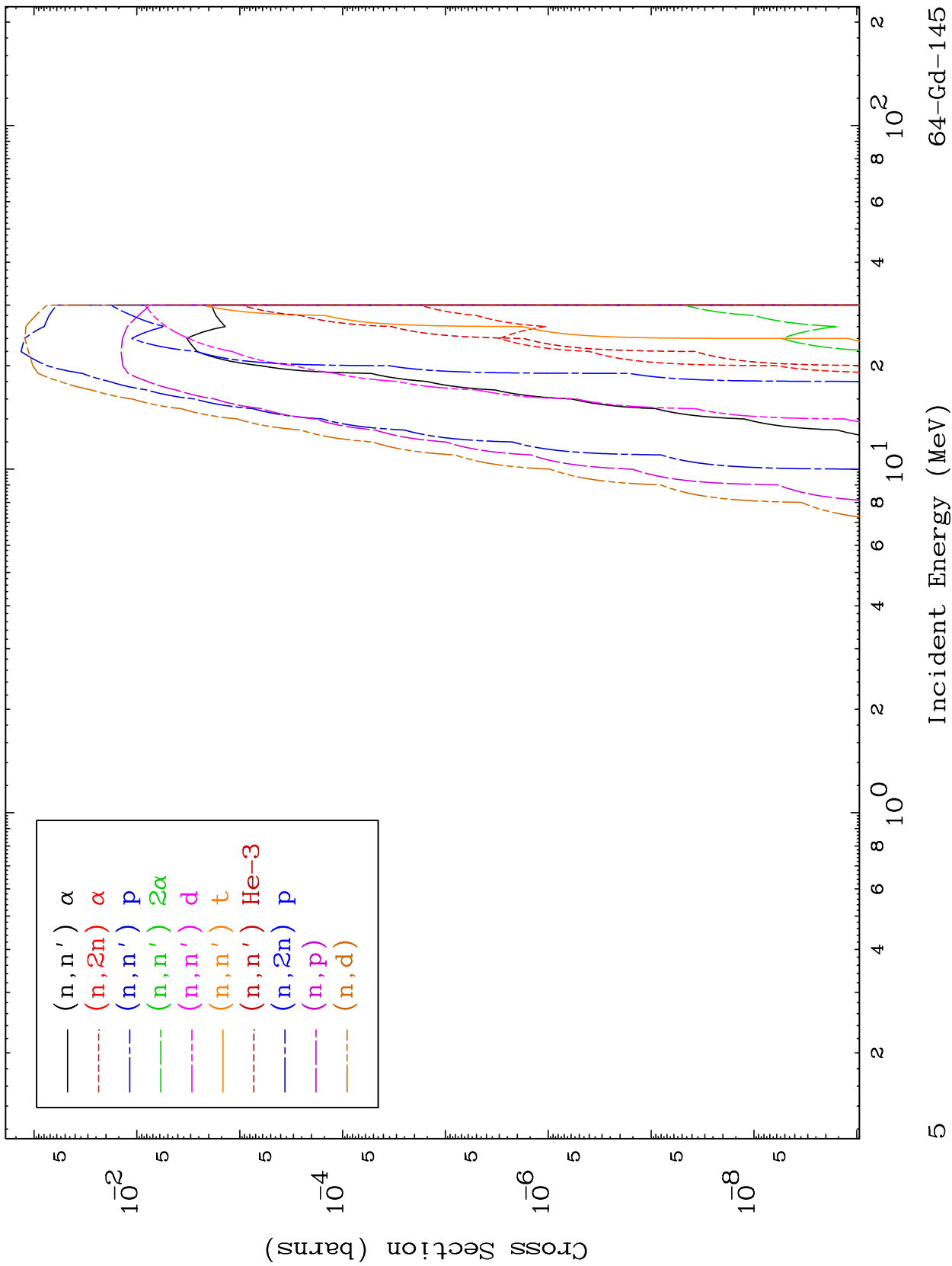
64-Gd-145



MAT 6404

He-3 Charged Particle  
0 Kelvin Cross Sections

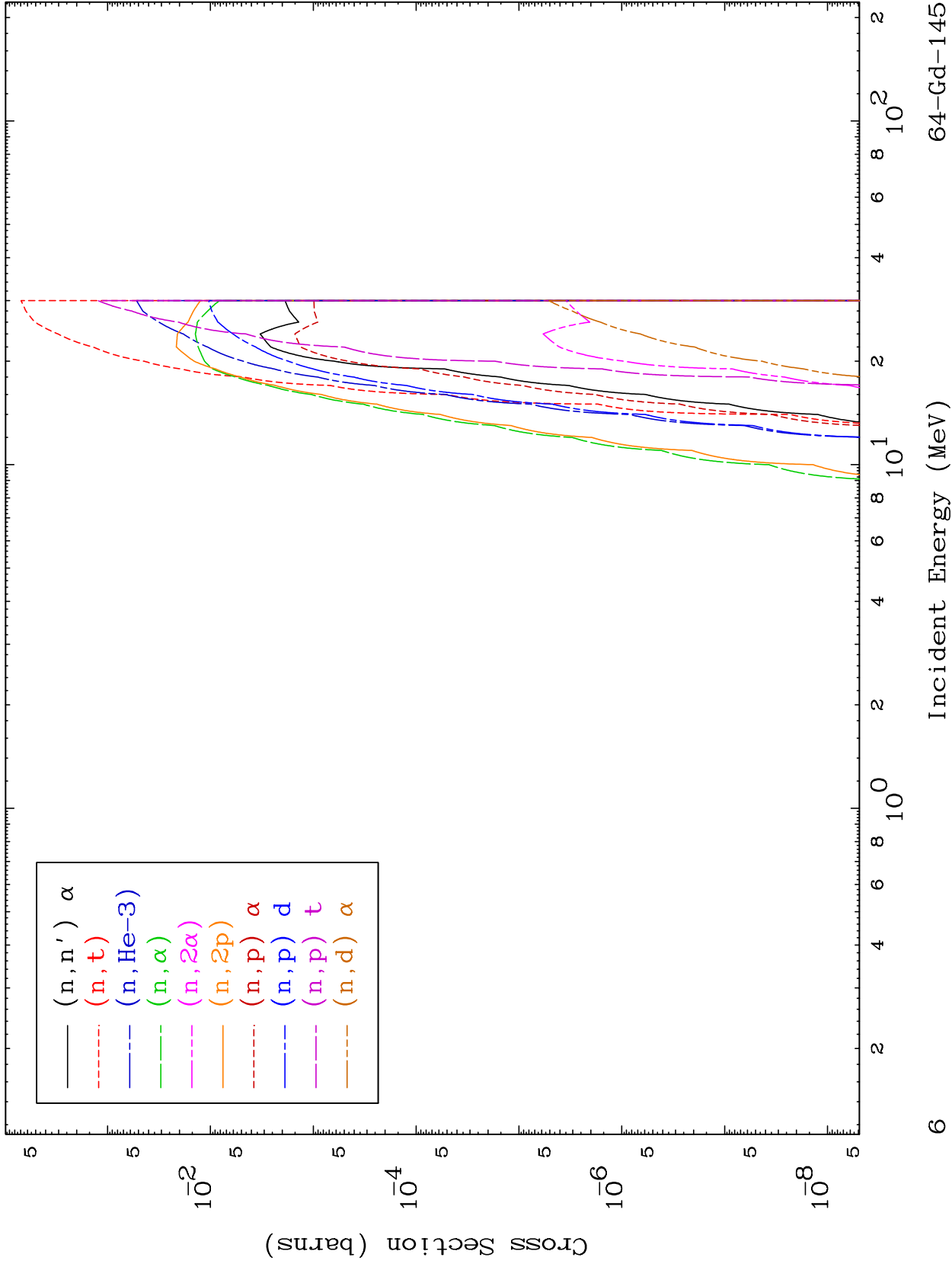
64-Gd-145



MAT 6404

He-3 Charged Particle  
0 Kelvin Cross Sections

64-Gd-145

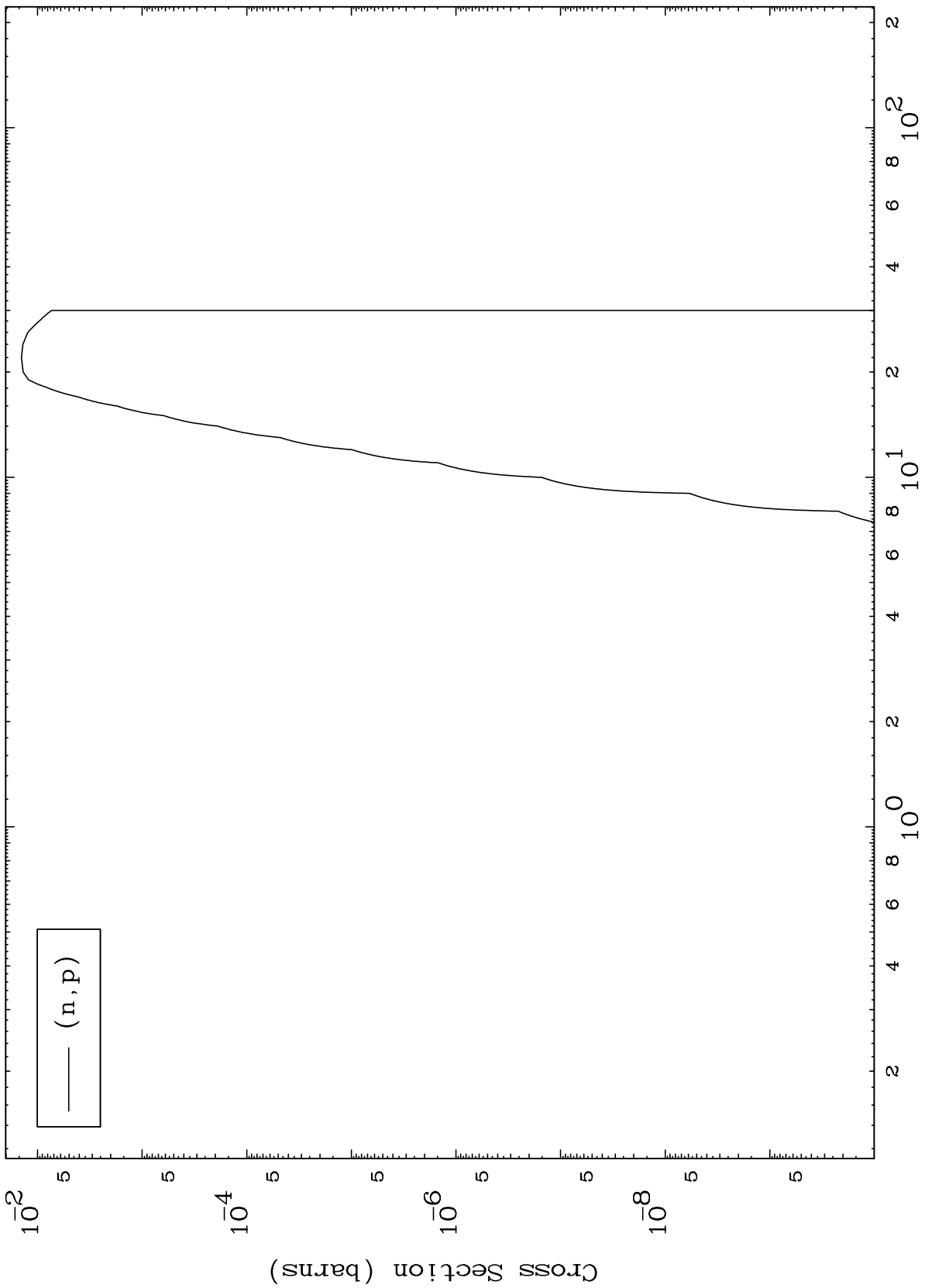


MAT 6404

(He-3,p) Levels

64-Gd-145

0 Kelvin Cross Sections

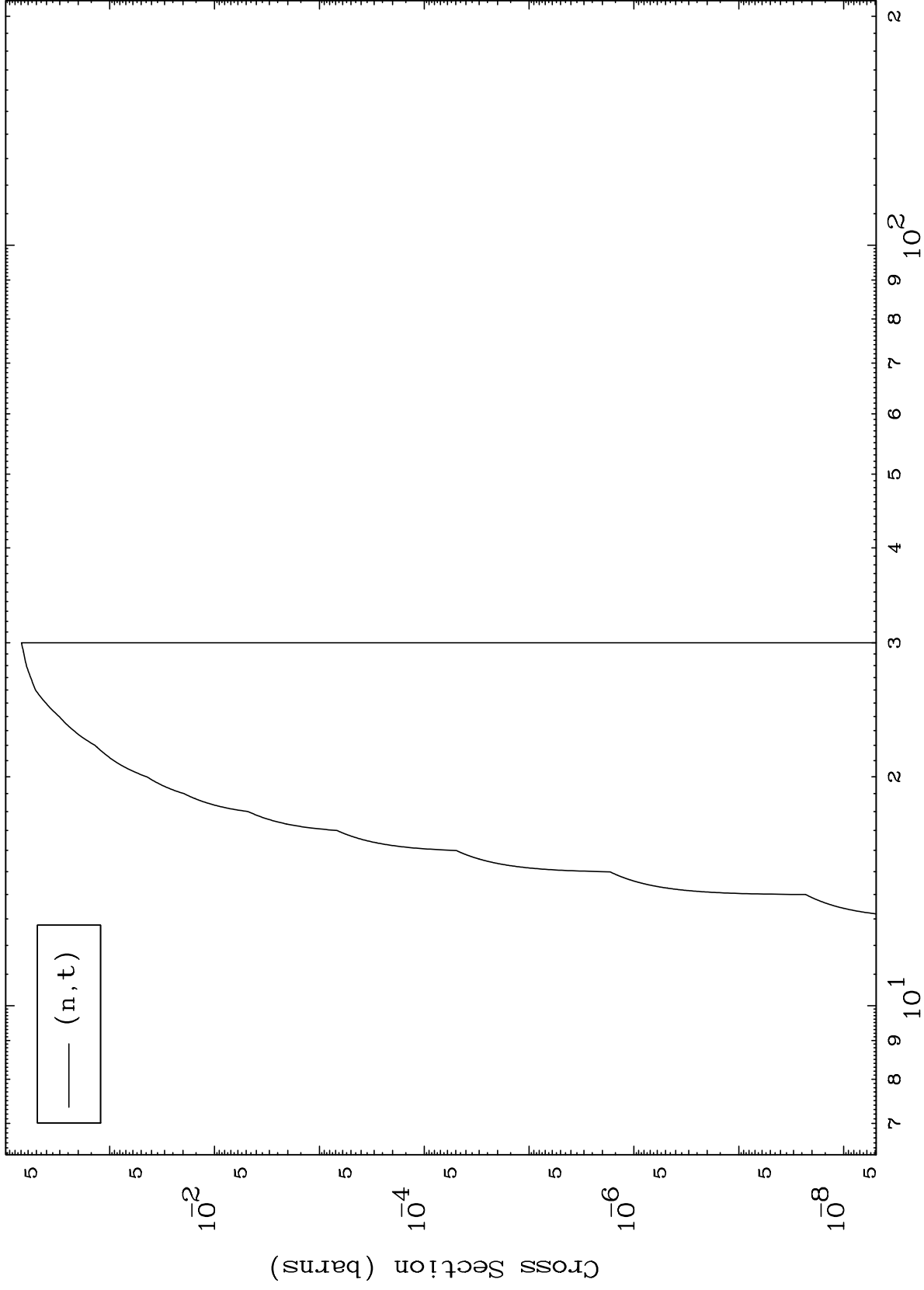




MAT 6404

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

64-Gd-145



9

Incident Energy (MeV)

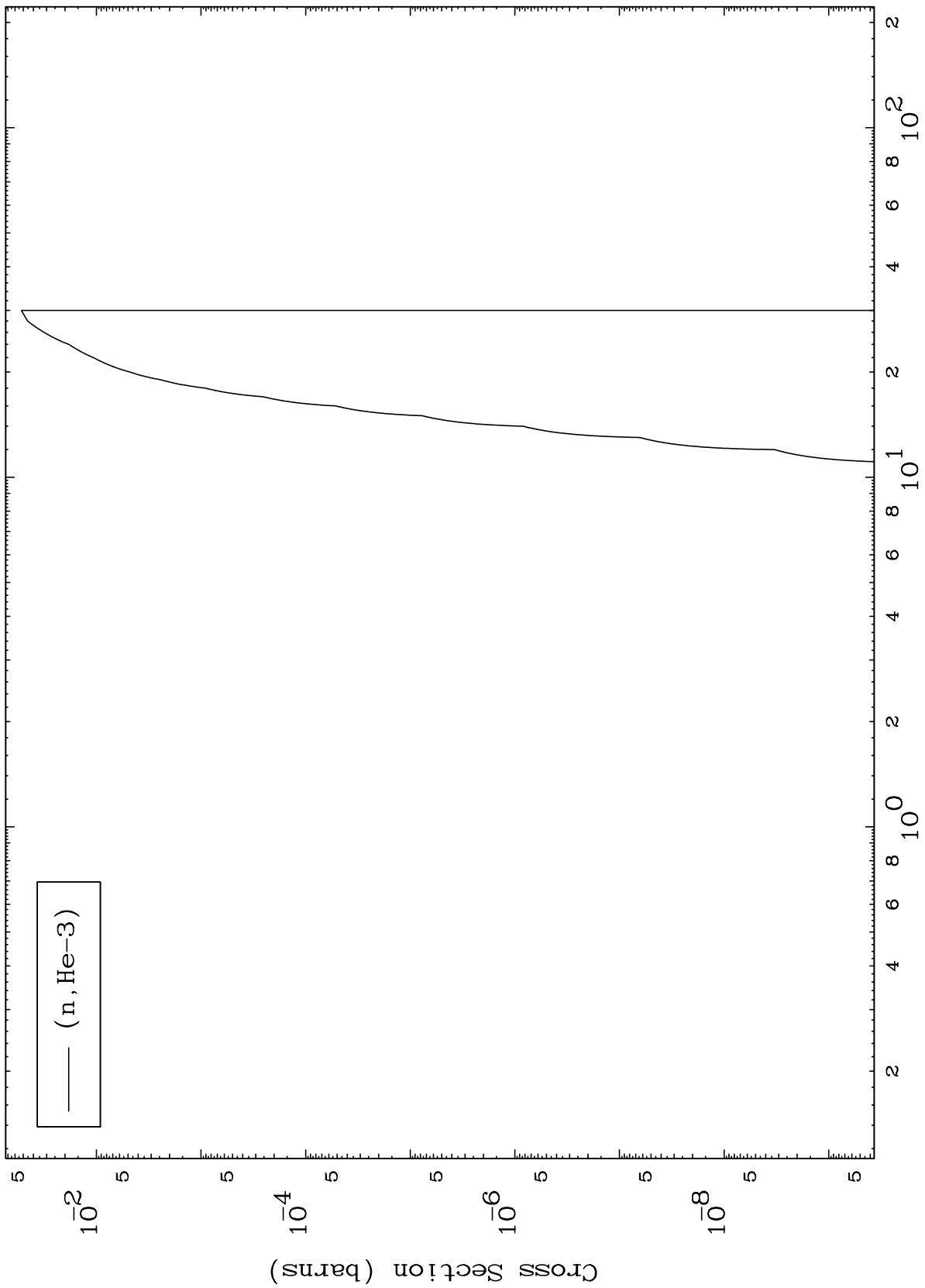
64-Gd-145

MAT 6404

(He-3, He3) Levels

64-Gd-145

0 Kelvin Cross Sections



10

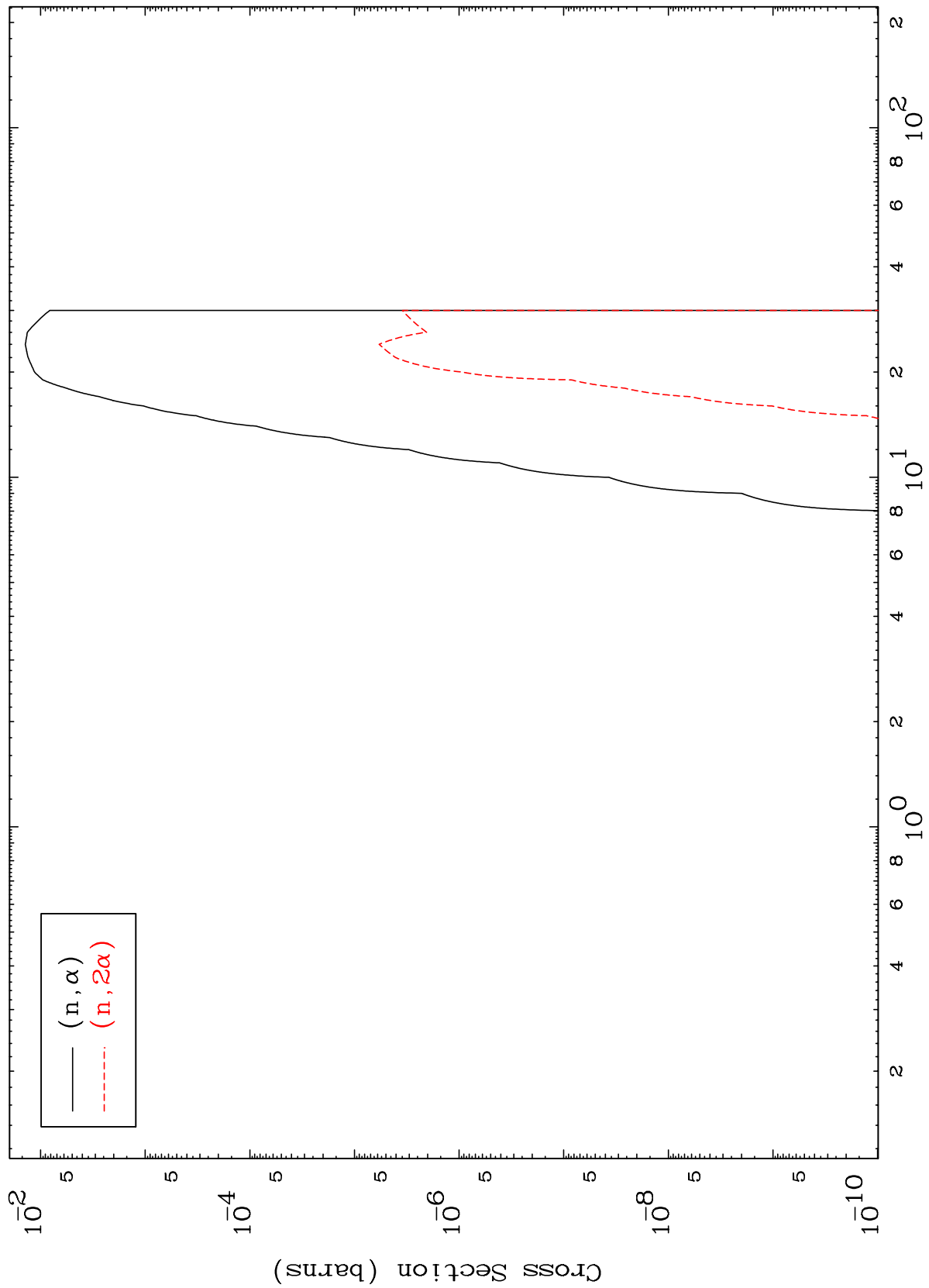
Incident Energy (MeV)

64-Gd-145

MAT 6404

64-Gd-145

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

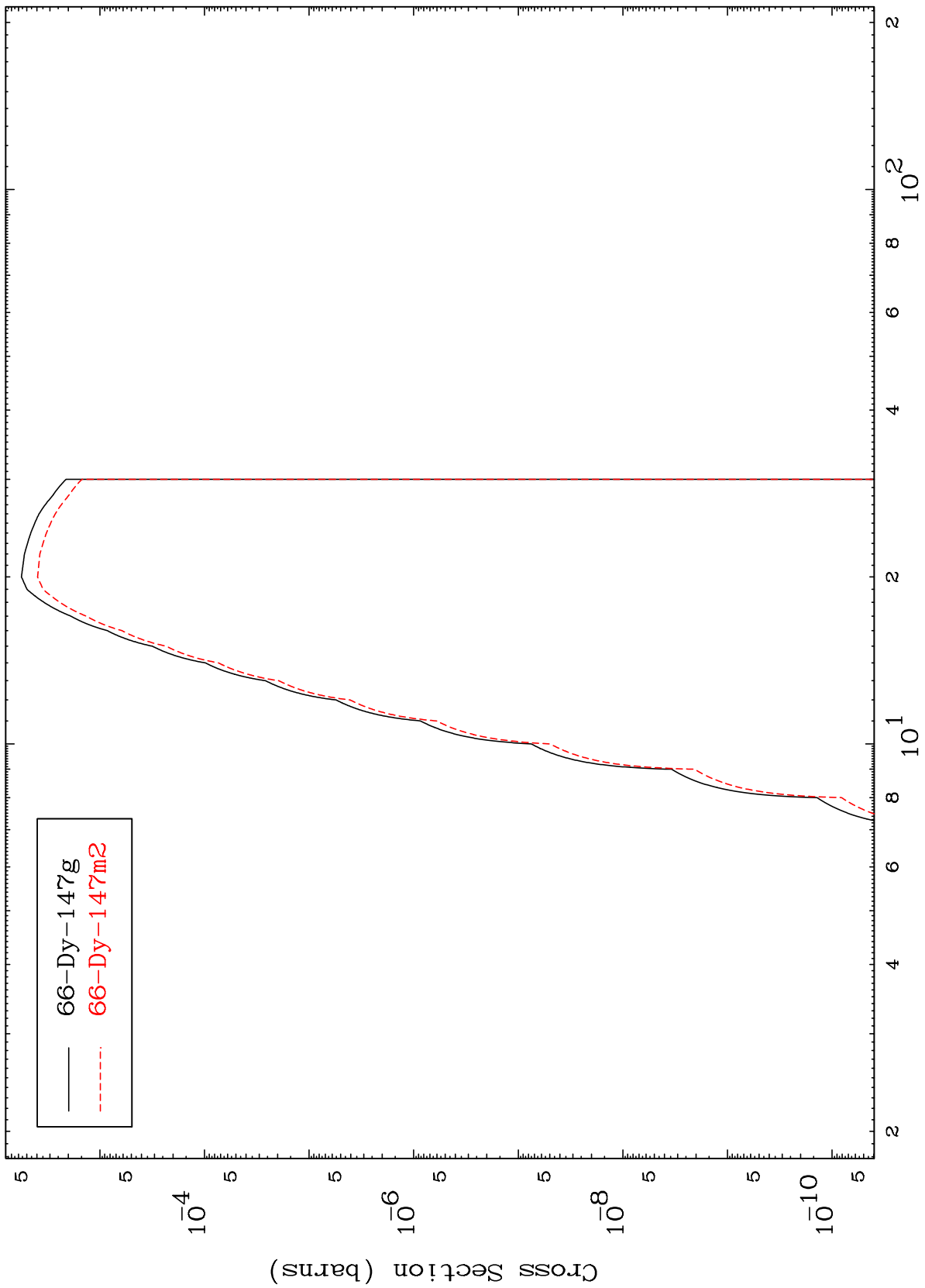


MAT 6404

64-Gd-145

### Radionuclide Production Cross Section

Inelastic

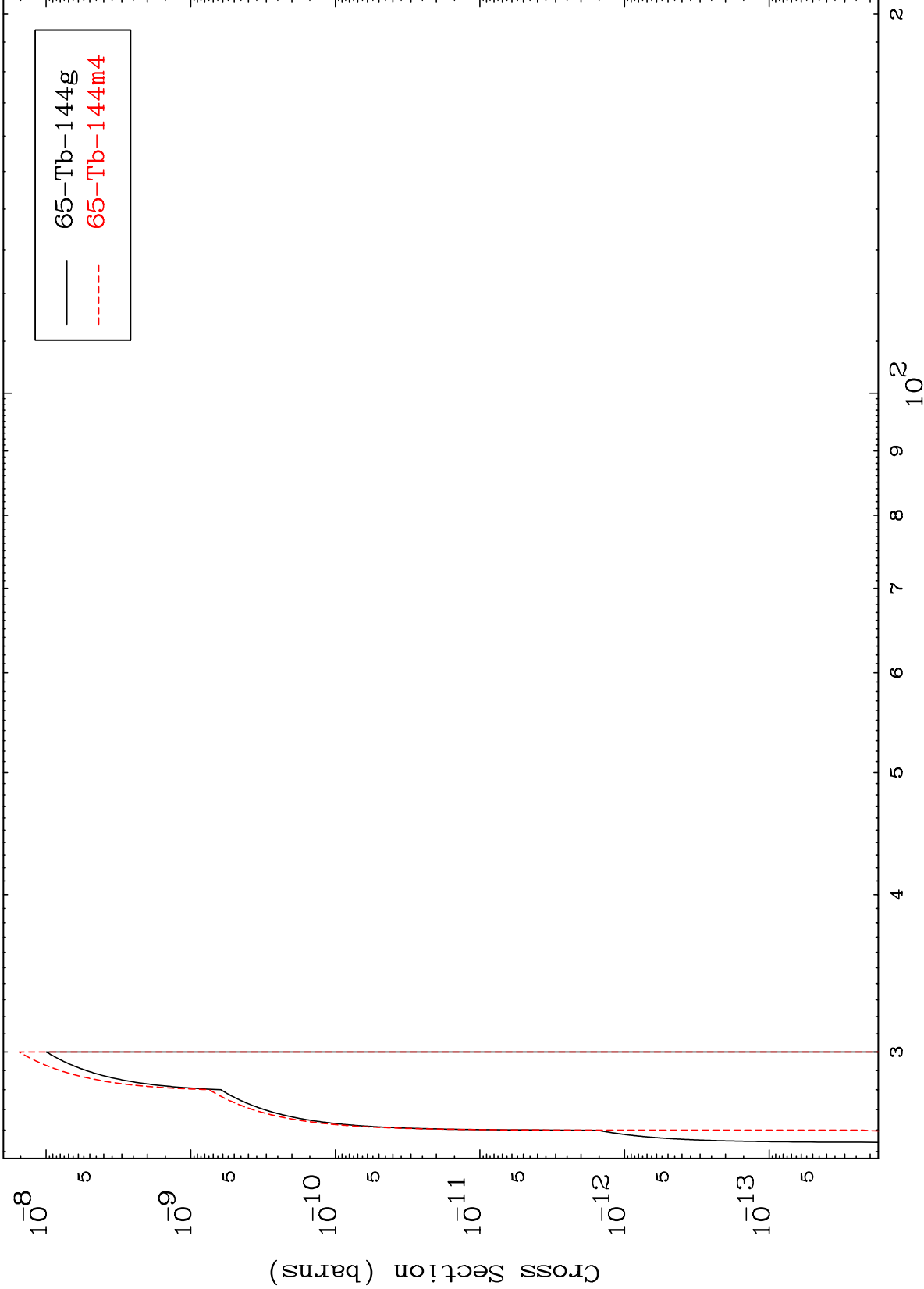


64-Gd-145

Incident Energy (MeV)

12

Radionuclide Production Cross Section

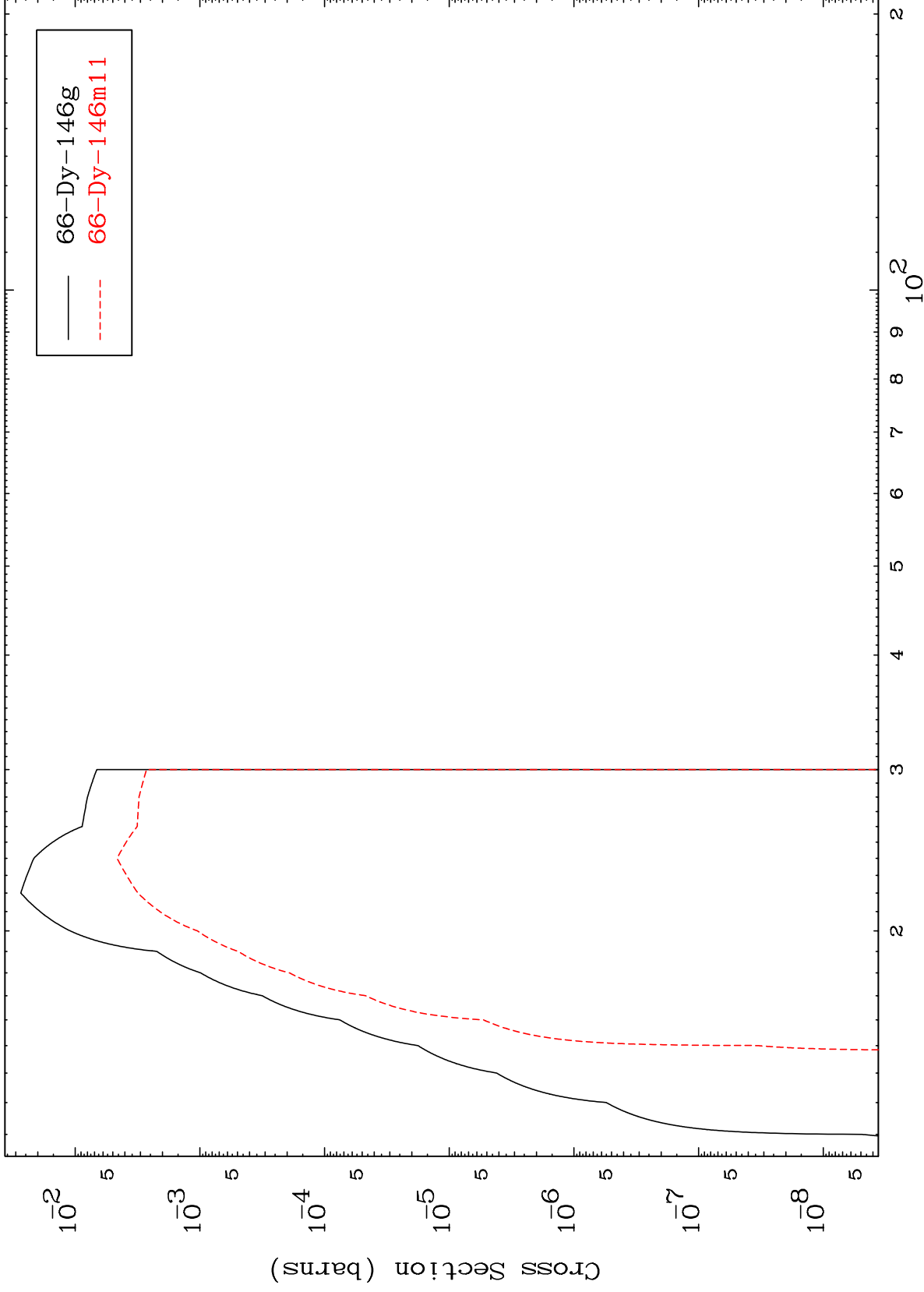


MAT 6404

(n,2n)

64-Gd-145

Radionuclide Production Cross Section



14

Incident Energy (MeV)

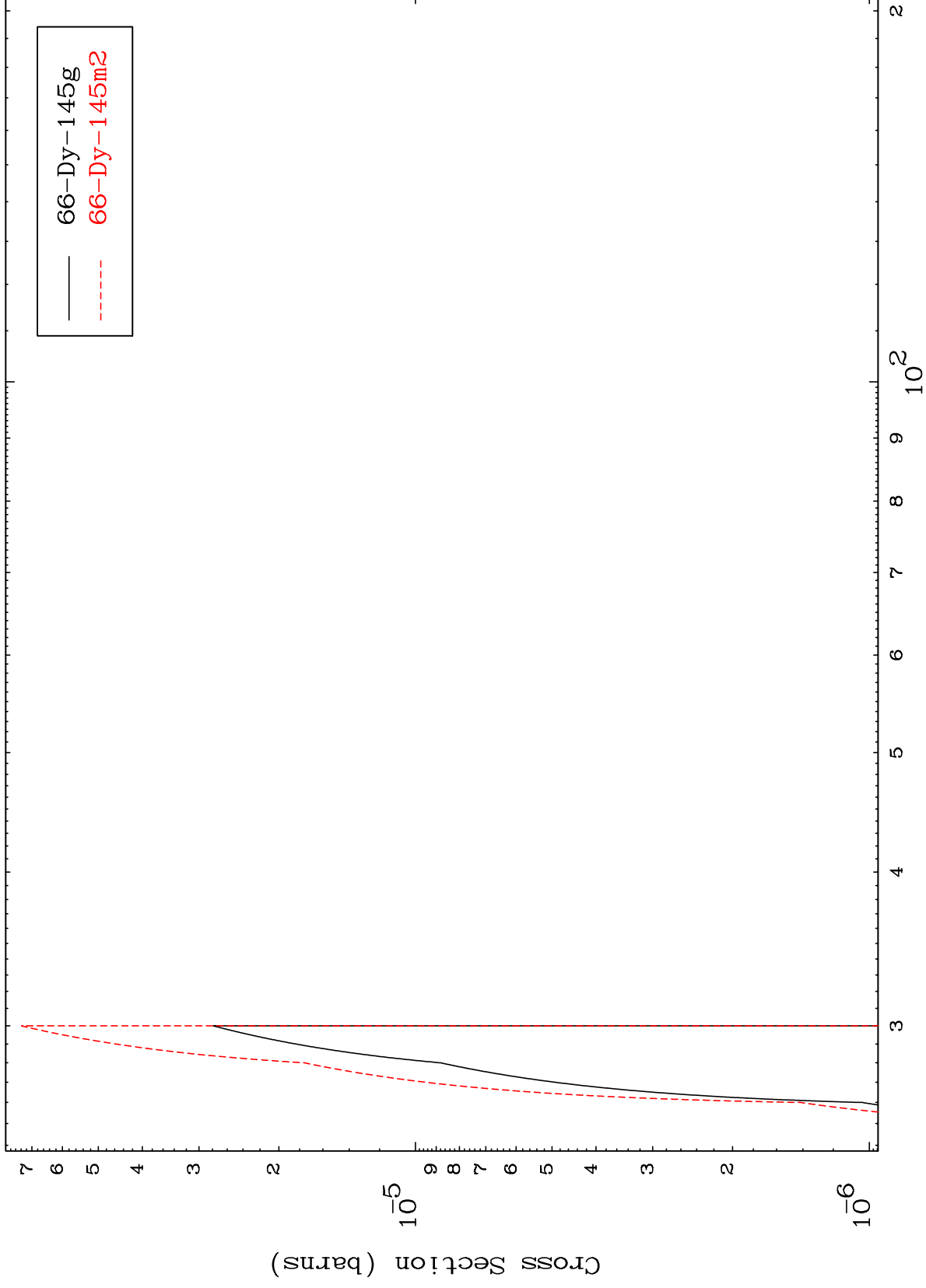
64-Gd-145

MAT 6404

(n,3n)

64-Gd-145

Radionuclide Production Cross Section



15

Incident Energy (MeV)

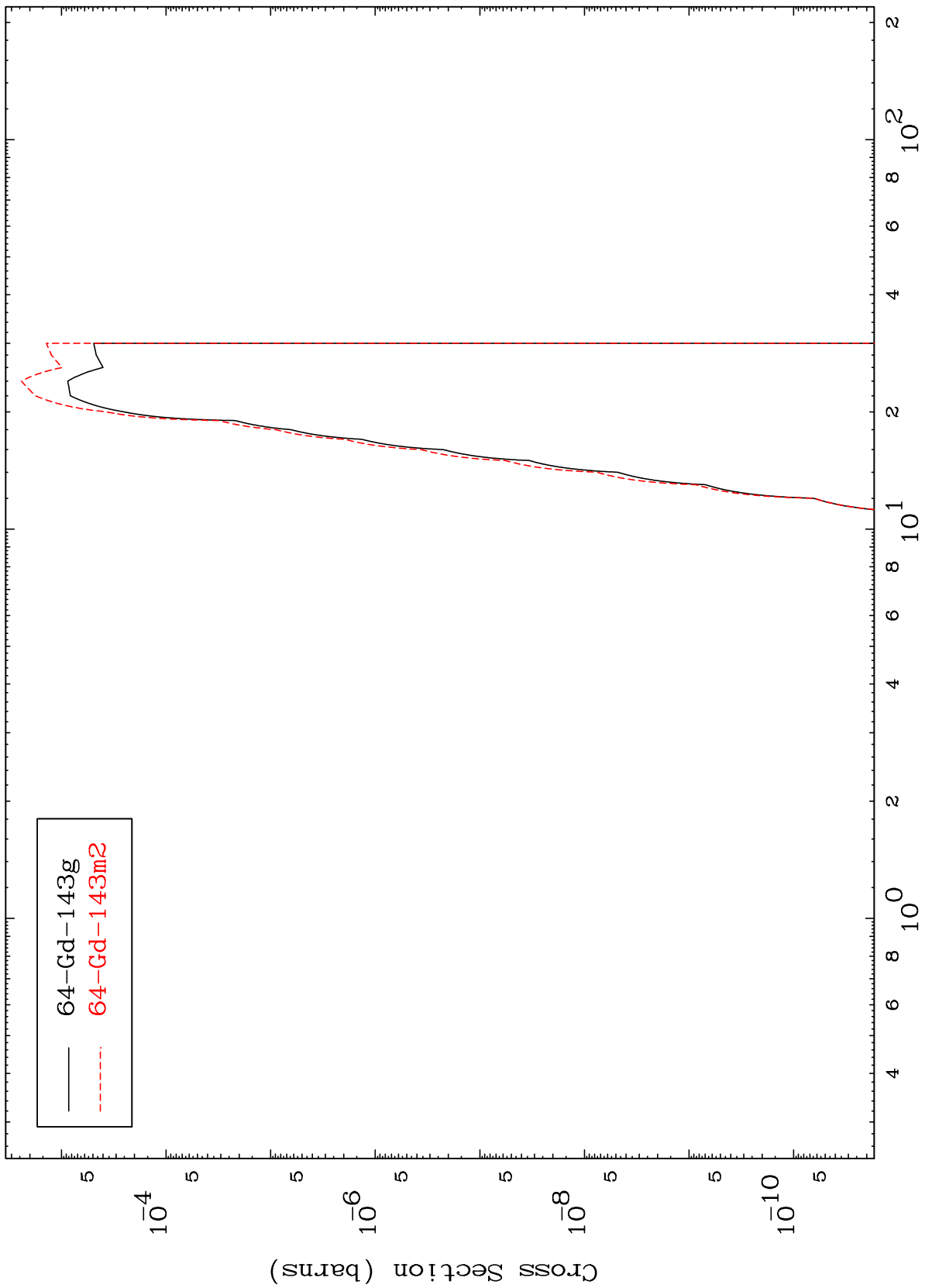
64-Gd-145

MAT 6404

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

64-Gd-145

Radionuclide Production Cross Section



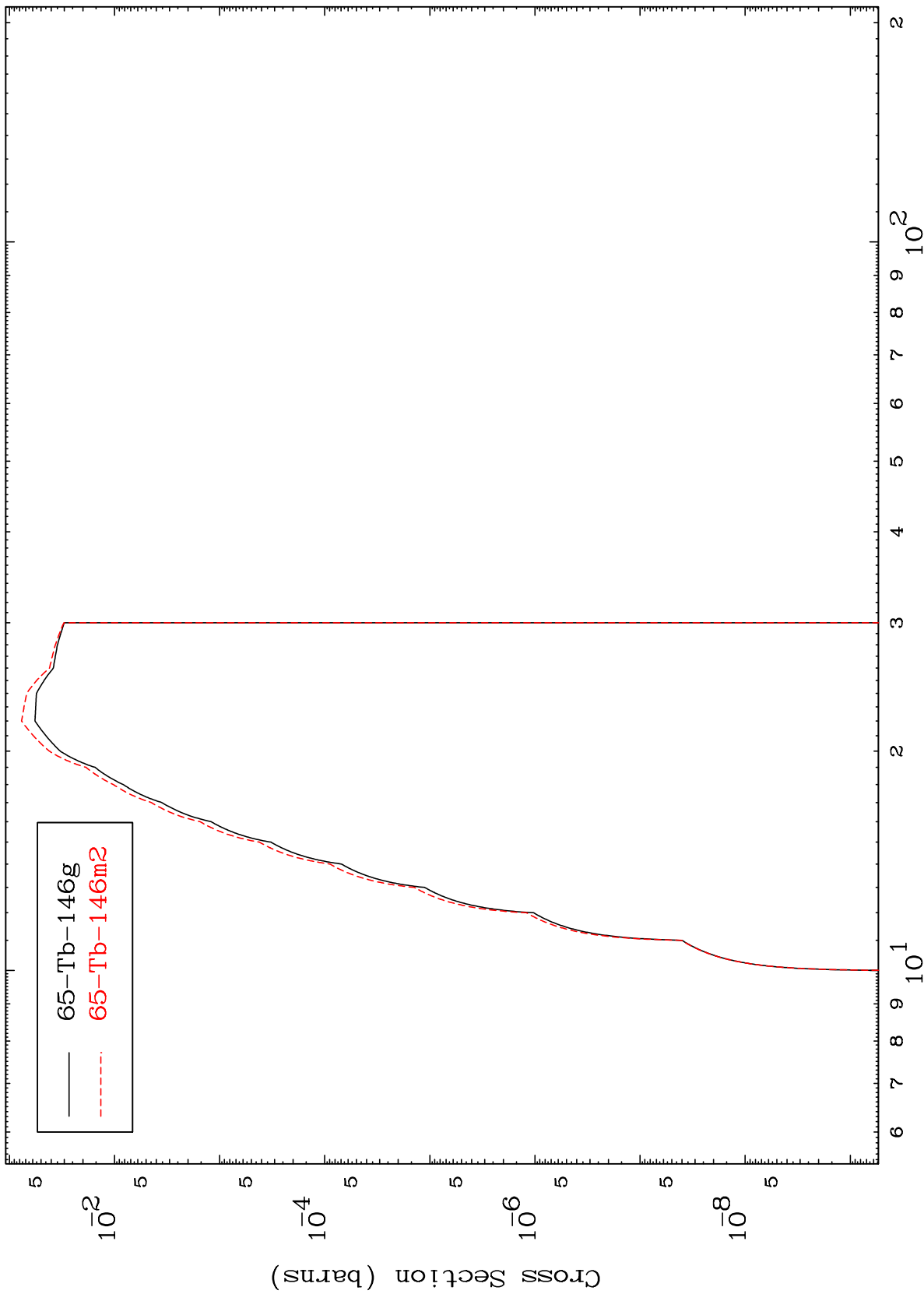
64-Gd-143g  
64-Gd-143m2

MAT 6404

(n,n') p

64-Gd-145

Radionuclide Production Cross Section



17

Incident Energy (MeV)

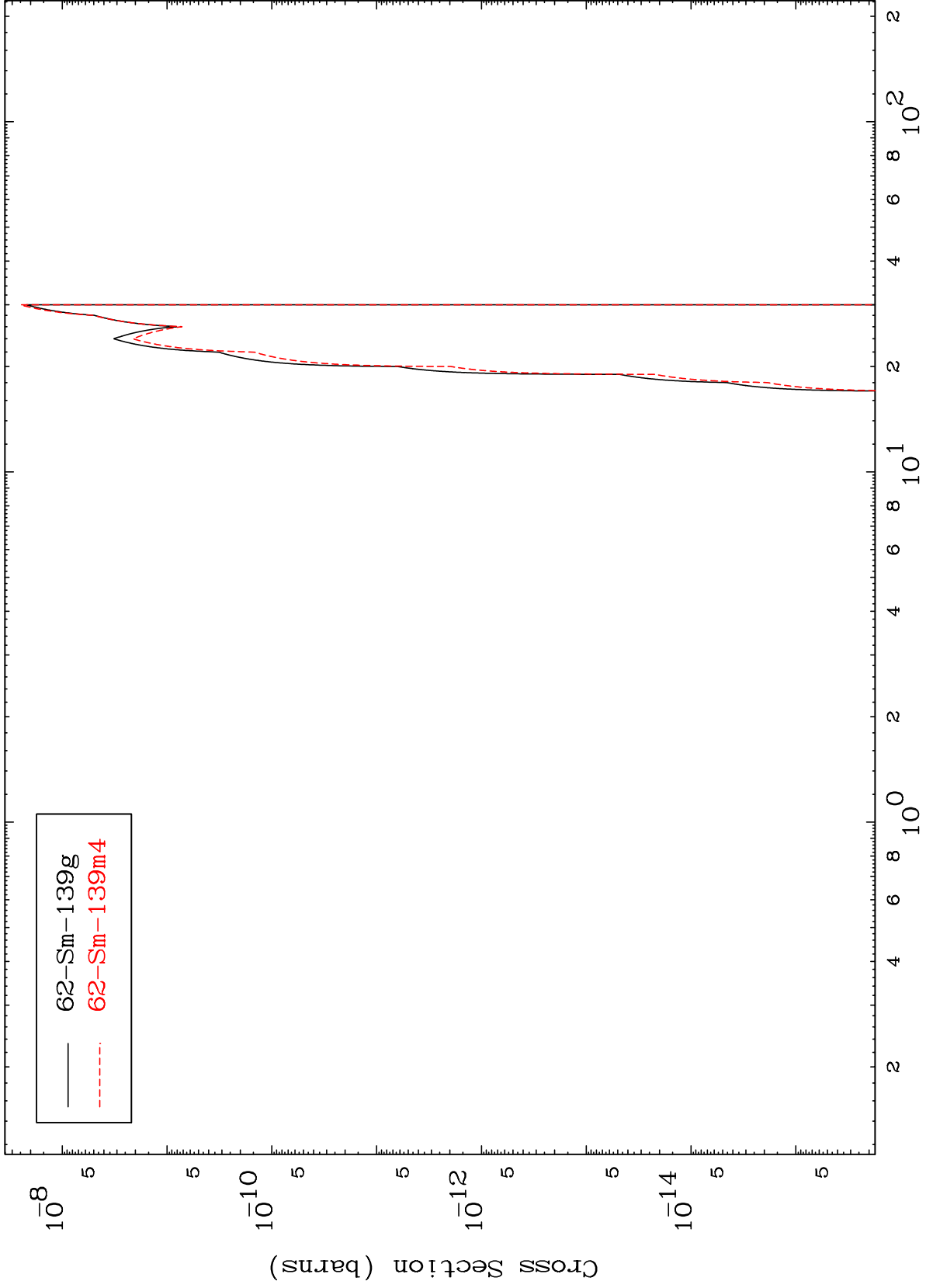
64-Gd-145

MAT 6404

(n,n') 2α

64-Gd-145

Radionuclide Production Cross Section



18

Incident Energy (MeV)

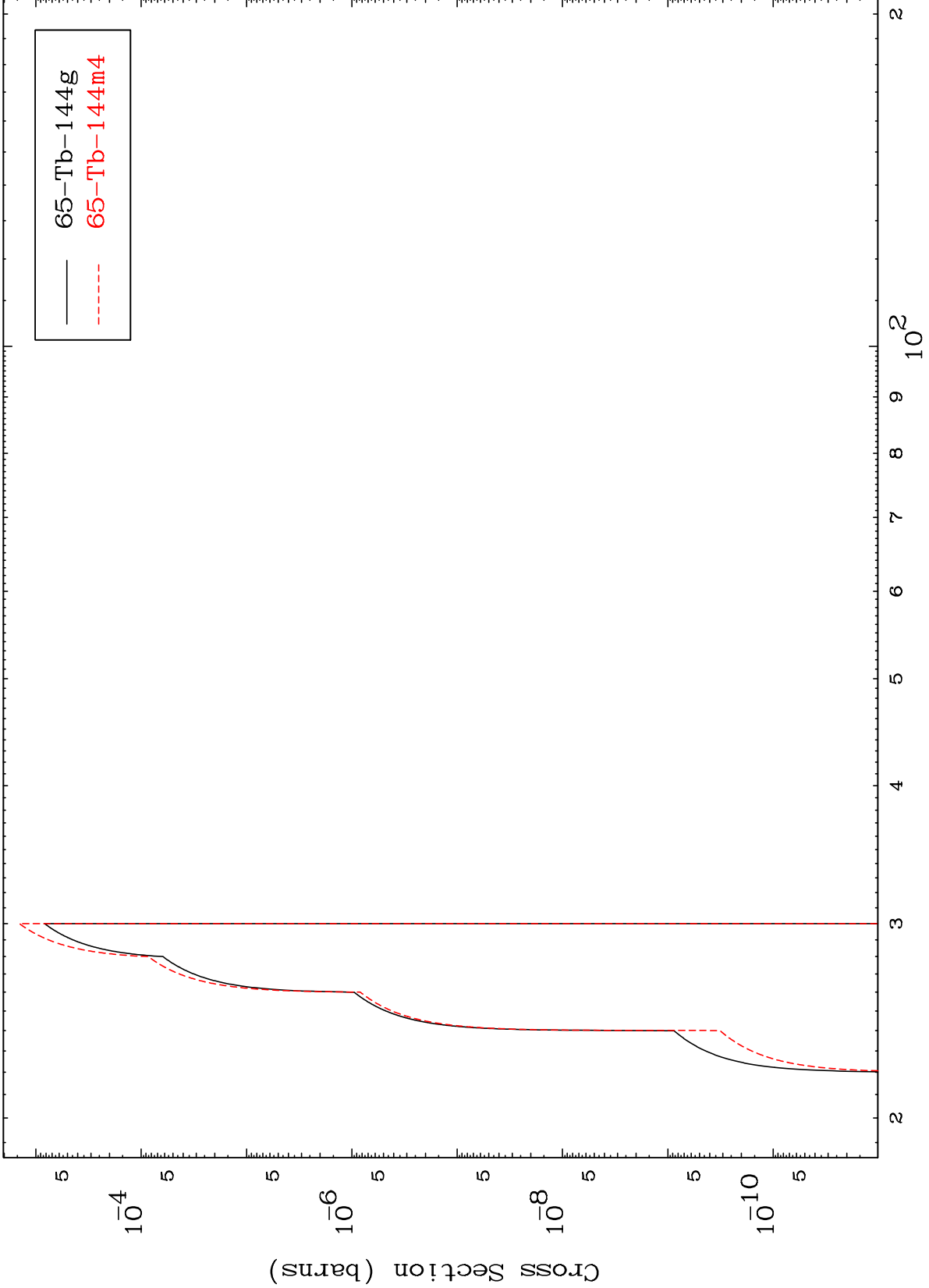
64-Gd-145

MAT 6404

(n,n') t

64-Gd-145

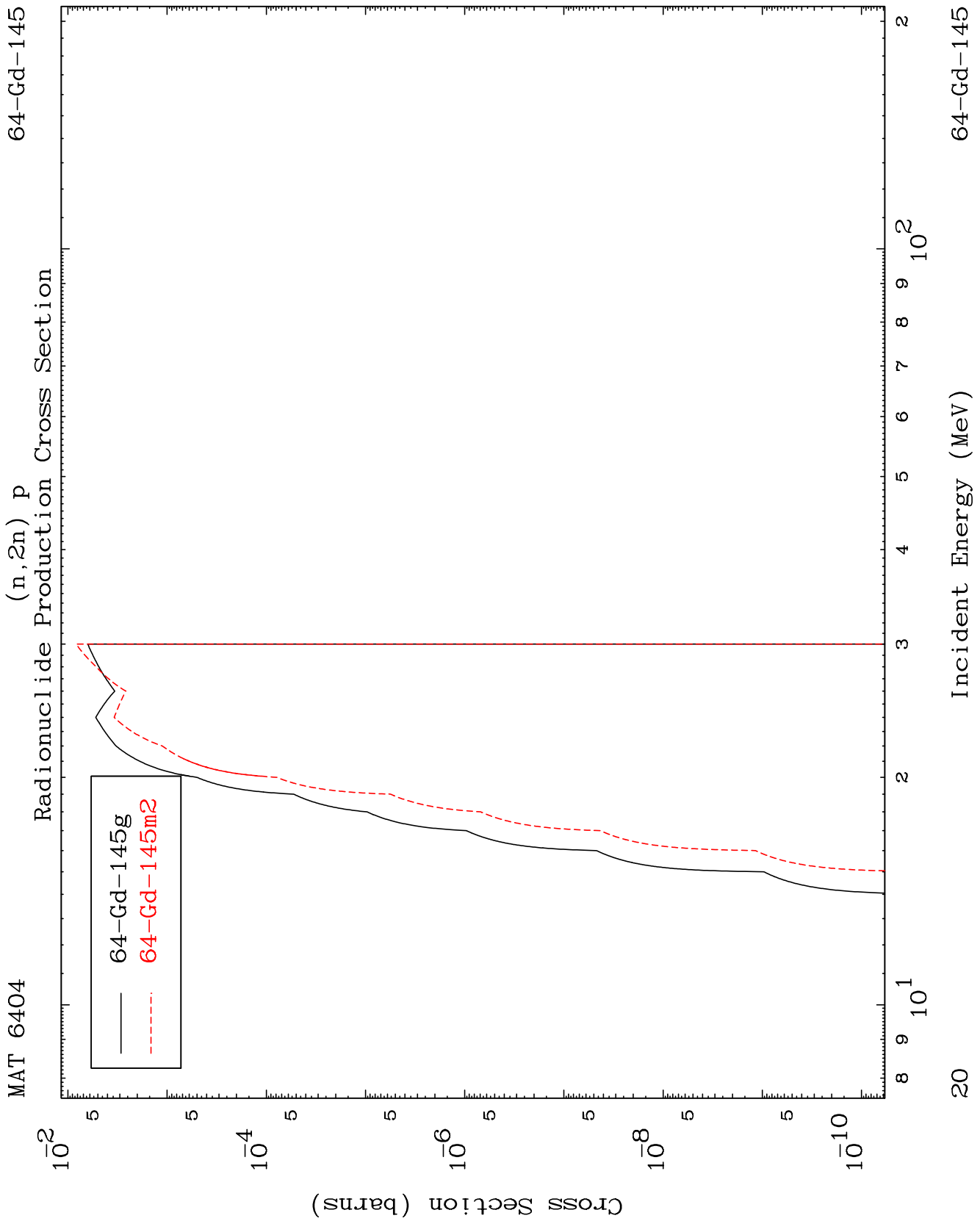
Radionuclide Production Cross Section



19

Incident Energy (MeV)

64-Gd-145

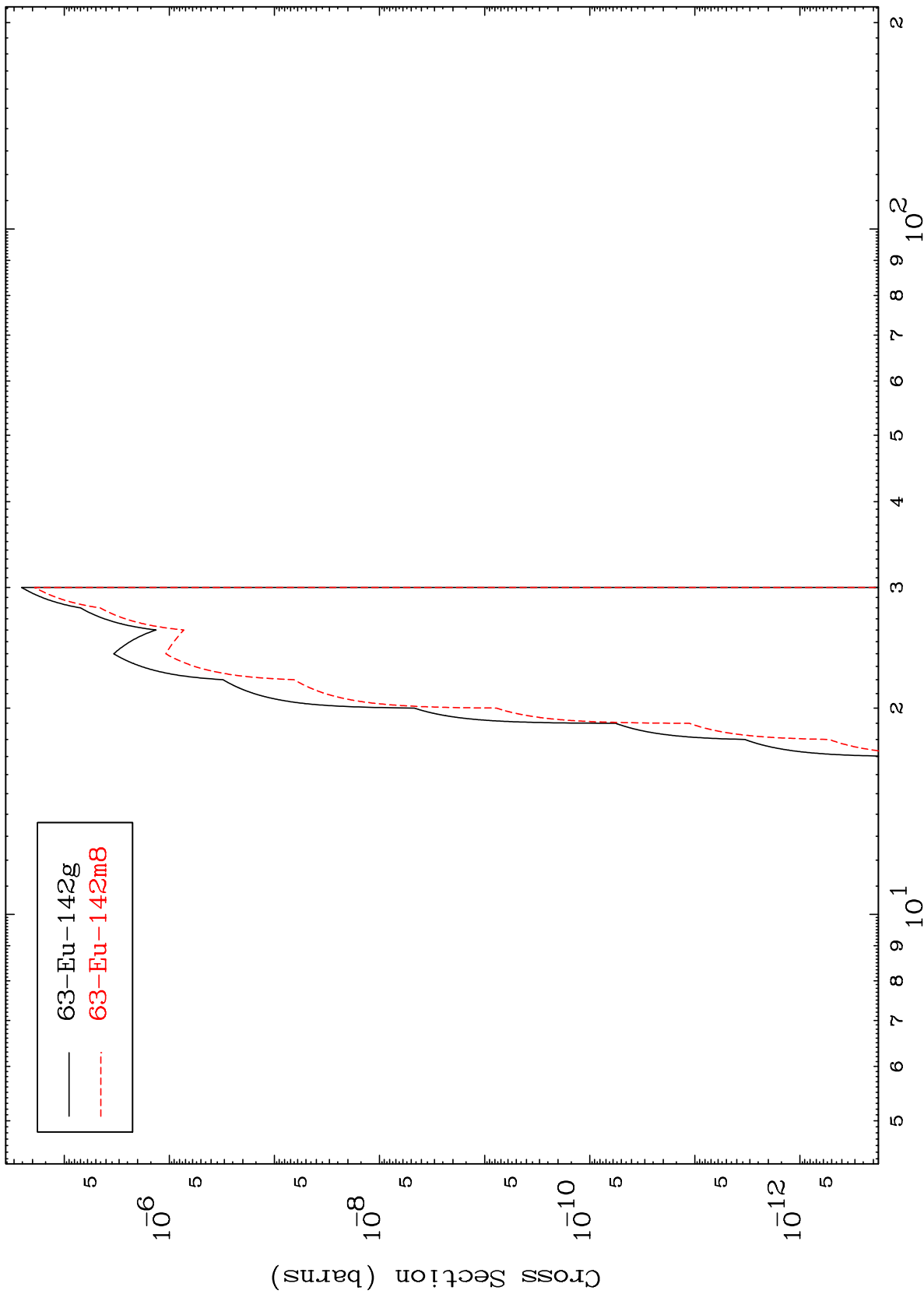


MAT 6404

(n,n') p  $\alpha$

64-Gd-145

Radionuclide Production Cross Section

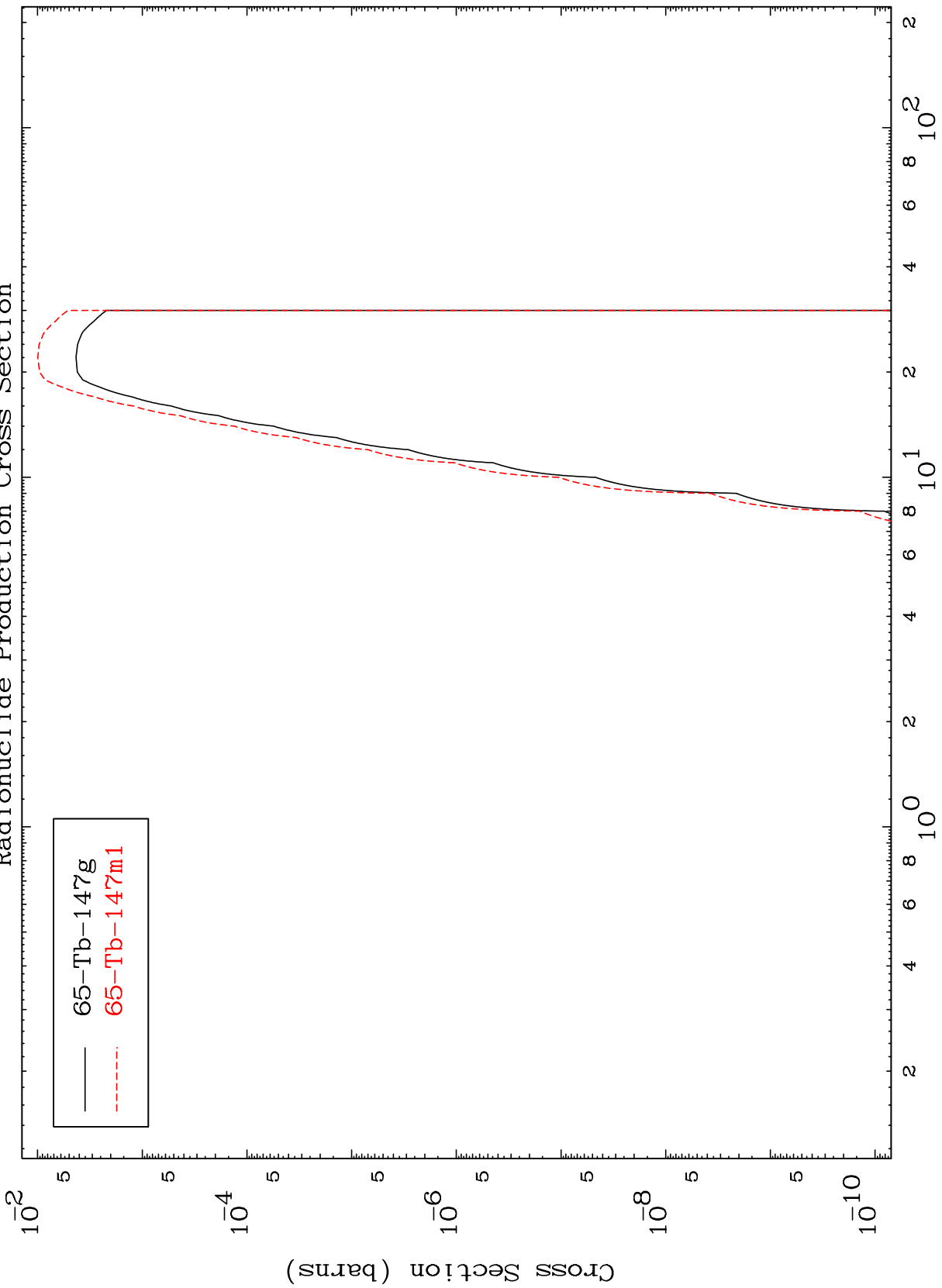


63-Eu-142g  
63-Eu-142m8

MAT 6404

64-Gd-145

(n,p)  
Radionuclide Production Cross Section



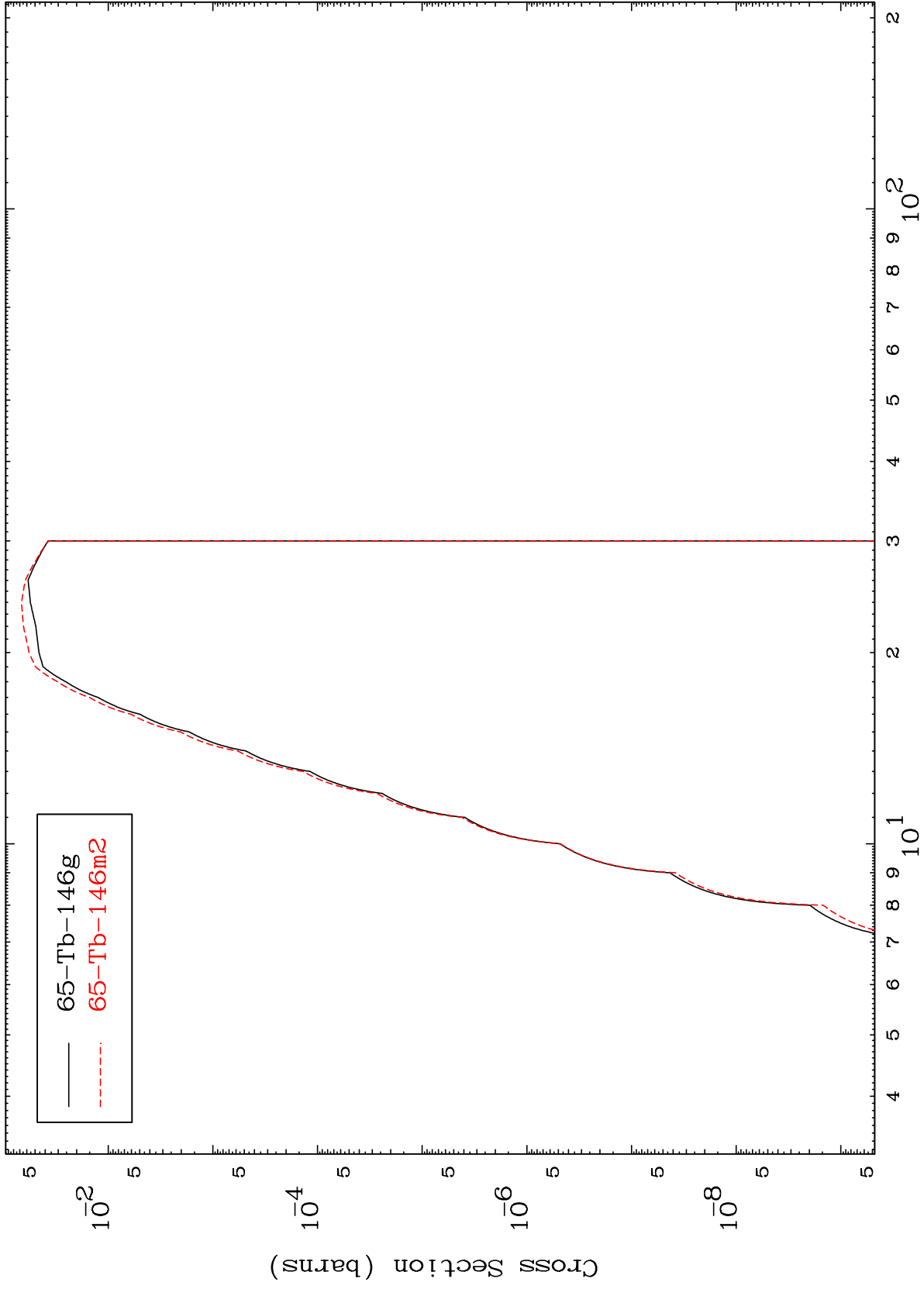
64-Gd-145

Incident Energy (MeV)

MAT 6404

64-Gd-145

(n,d)  
Radionuclide Production Cross Section



23

Incident Energy (MeV)

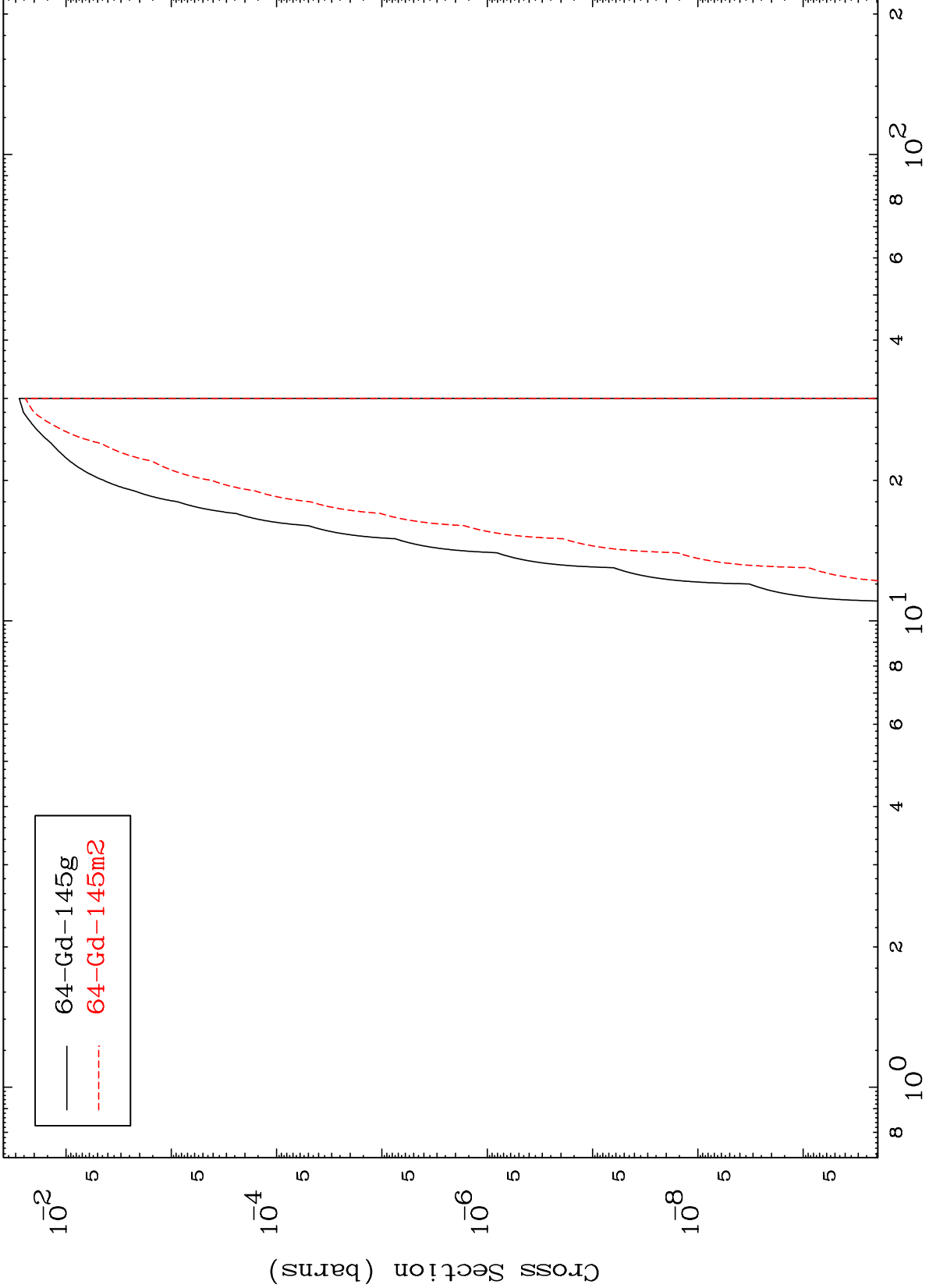
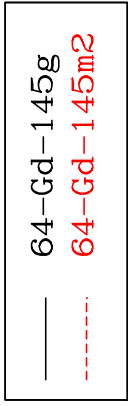
64-Gd-145

MAT 6404

(n,He-3)

64-Gd-145

Radionuclide Production Cross Section



24

Incident Energy (MeV)

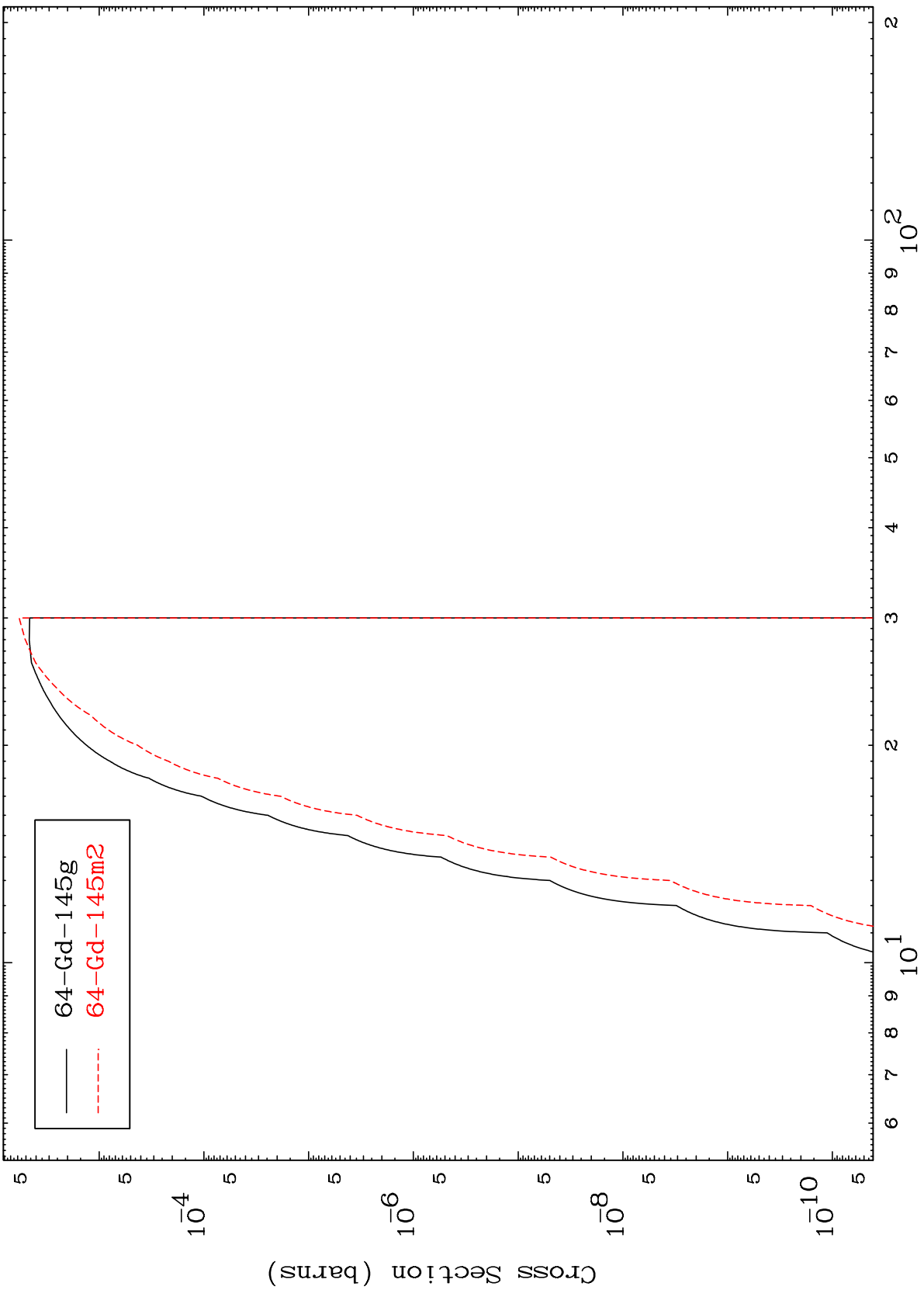
64-Gd-145

MAT 6404

(n,p) d

64-Gd-145

Radionuclide Production Cross Section



25

Incident Energy (MeV)

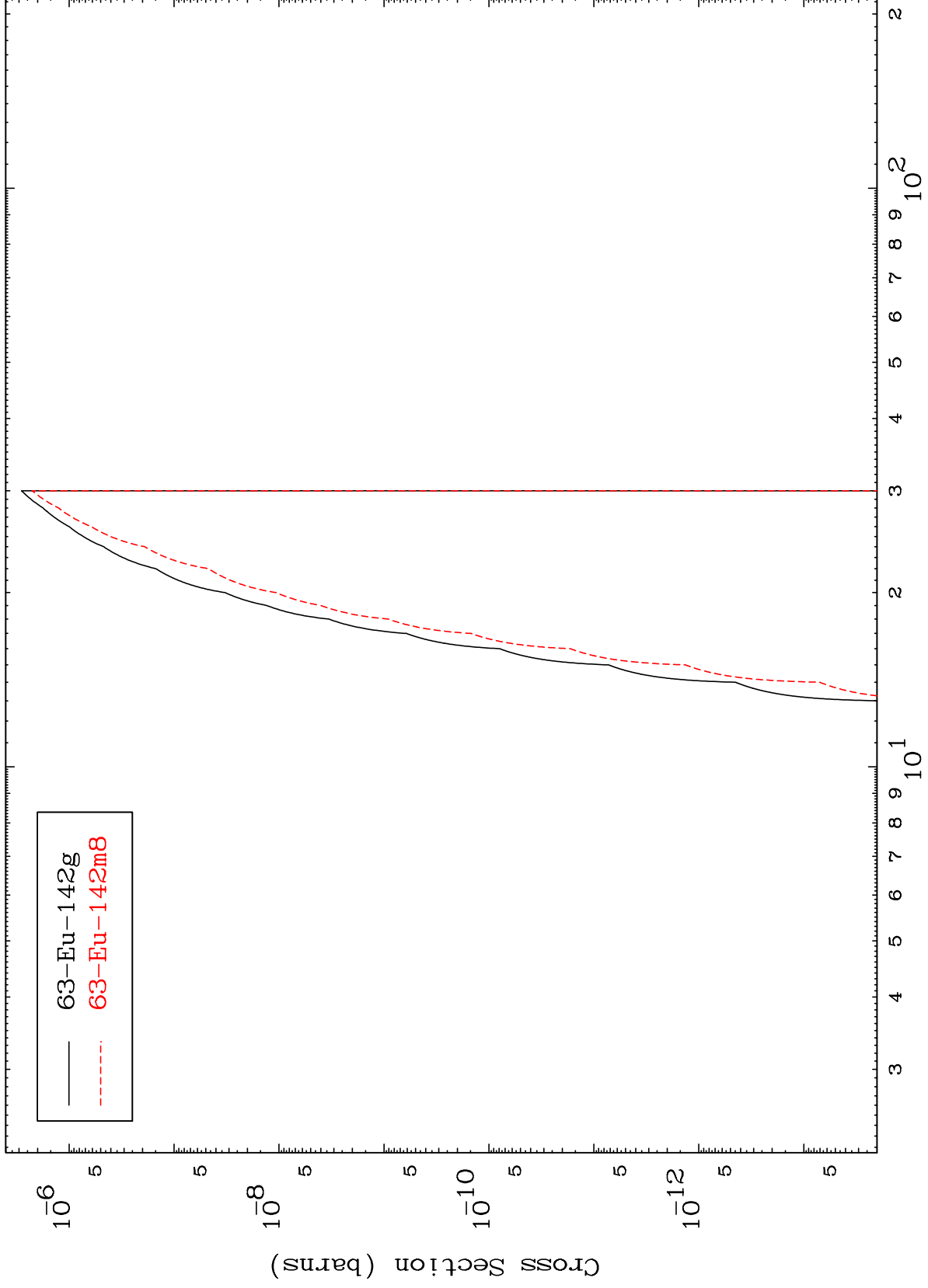
64-Gd-145

MAT 6404

(n,d)  $\alpha$

64-Gd-145

Radionuclide Production Cross Section



26

Incident Energy (MeV)

64-Gd-145