

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

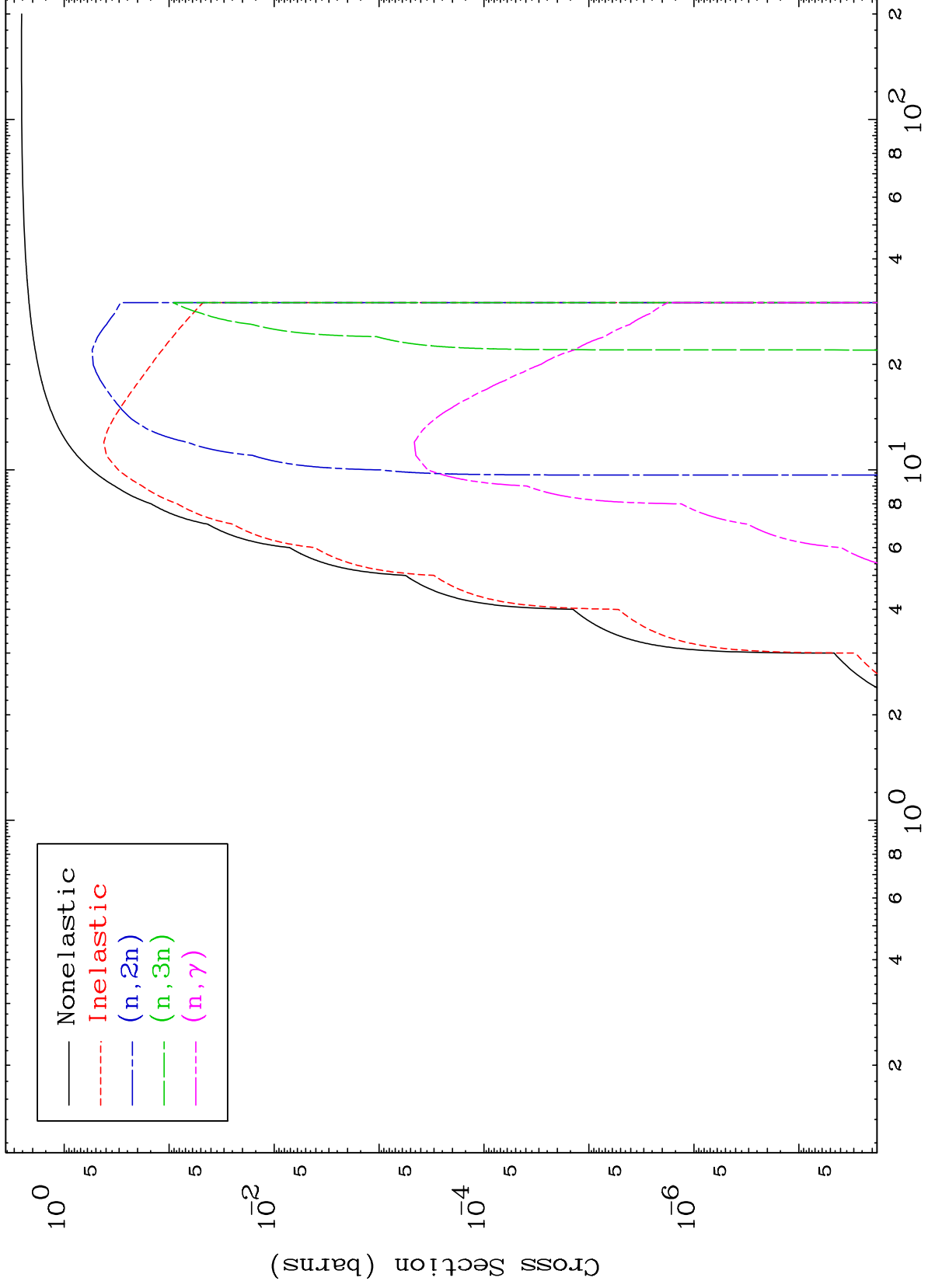
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6404

Deuteron Major  
0 Kelvin Cross Sections

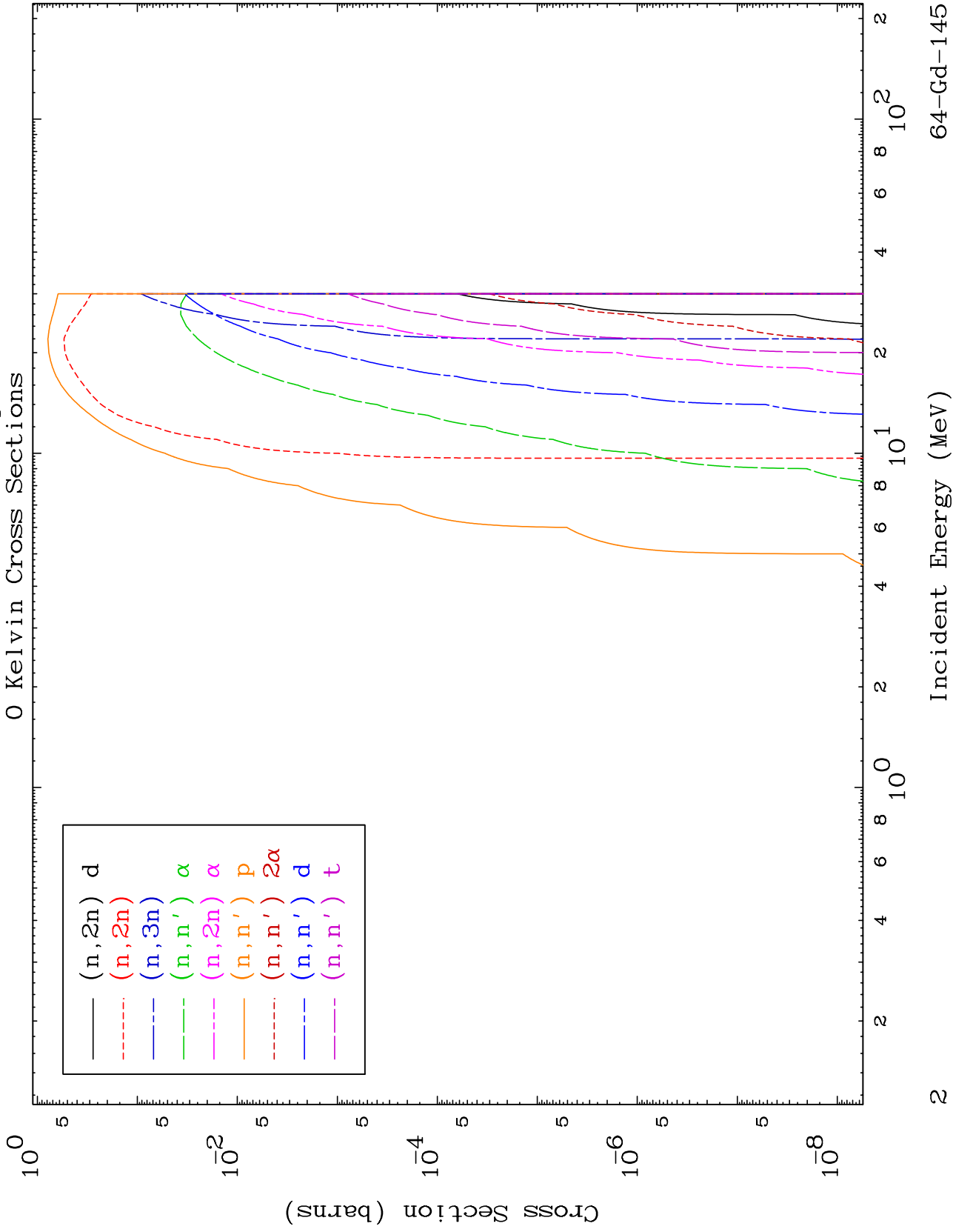
64-Gd-145



MAT 6404

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

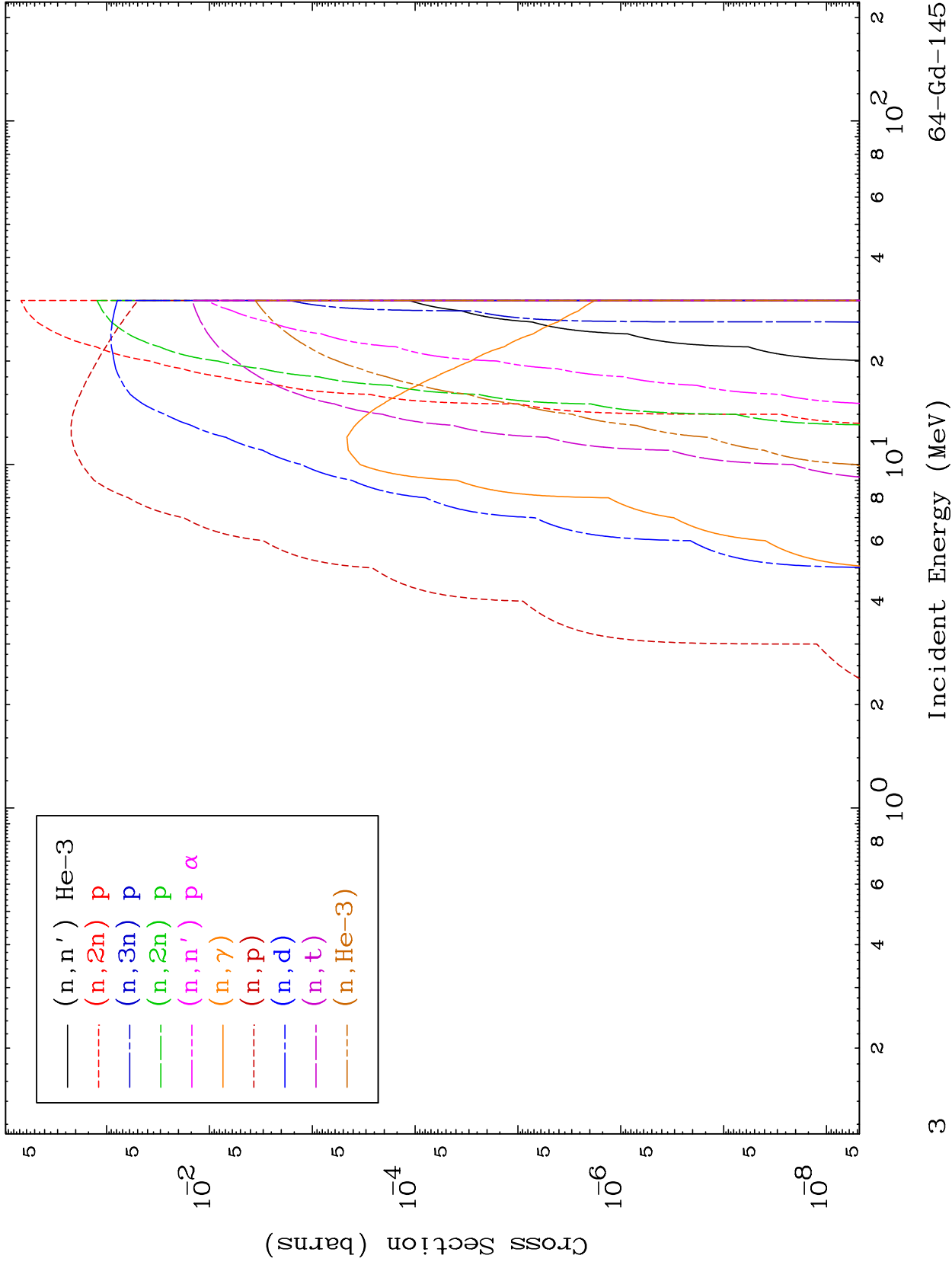
64-Gd-145



MAT 6404

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

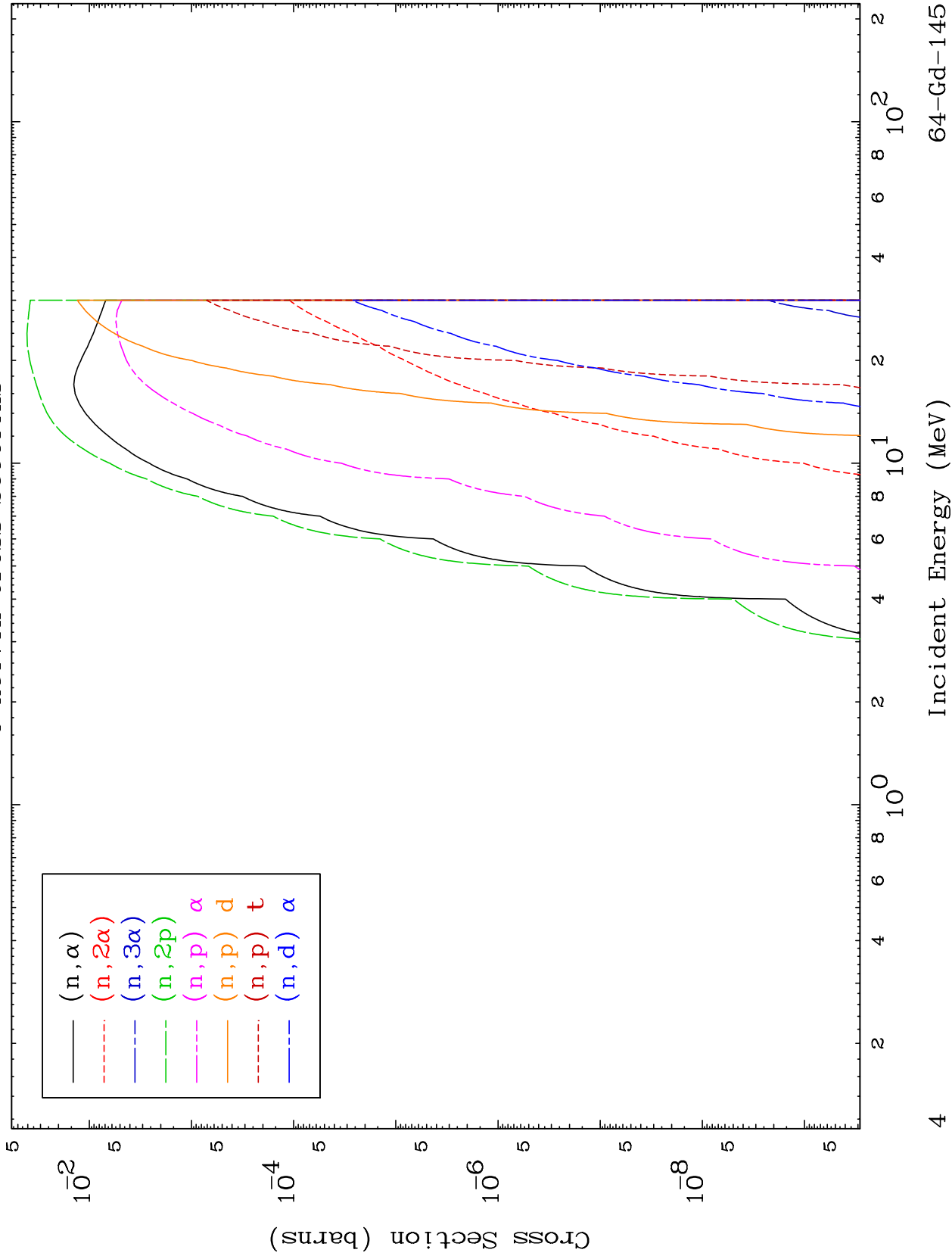
64-Gd-145



MAT 6404

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

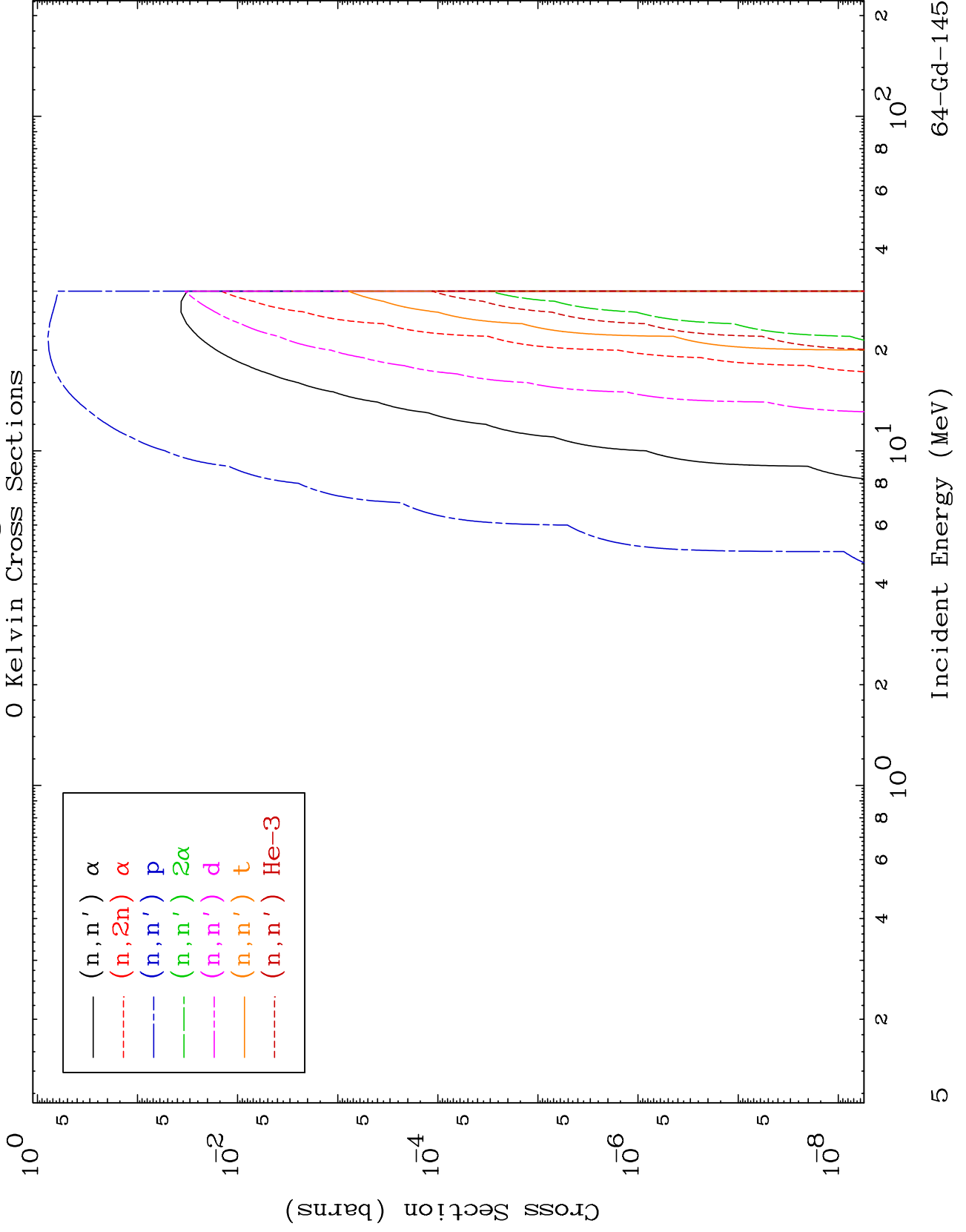
64-Gd-145



MAT 6404

Deuteron Charged Particle  
0 Kelvin Cross Sections

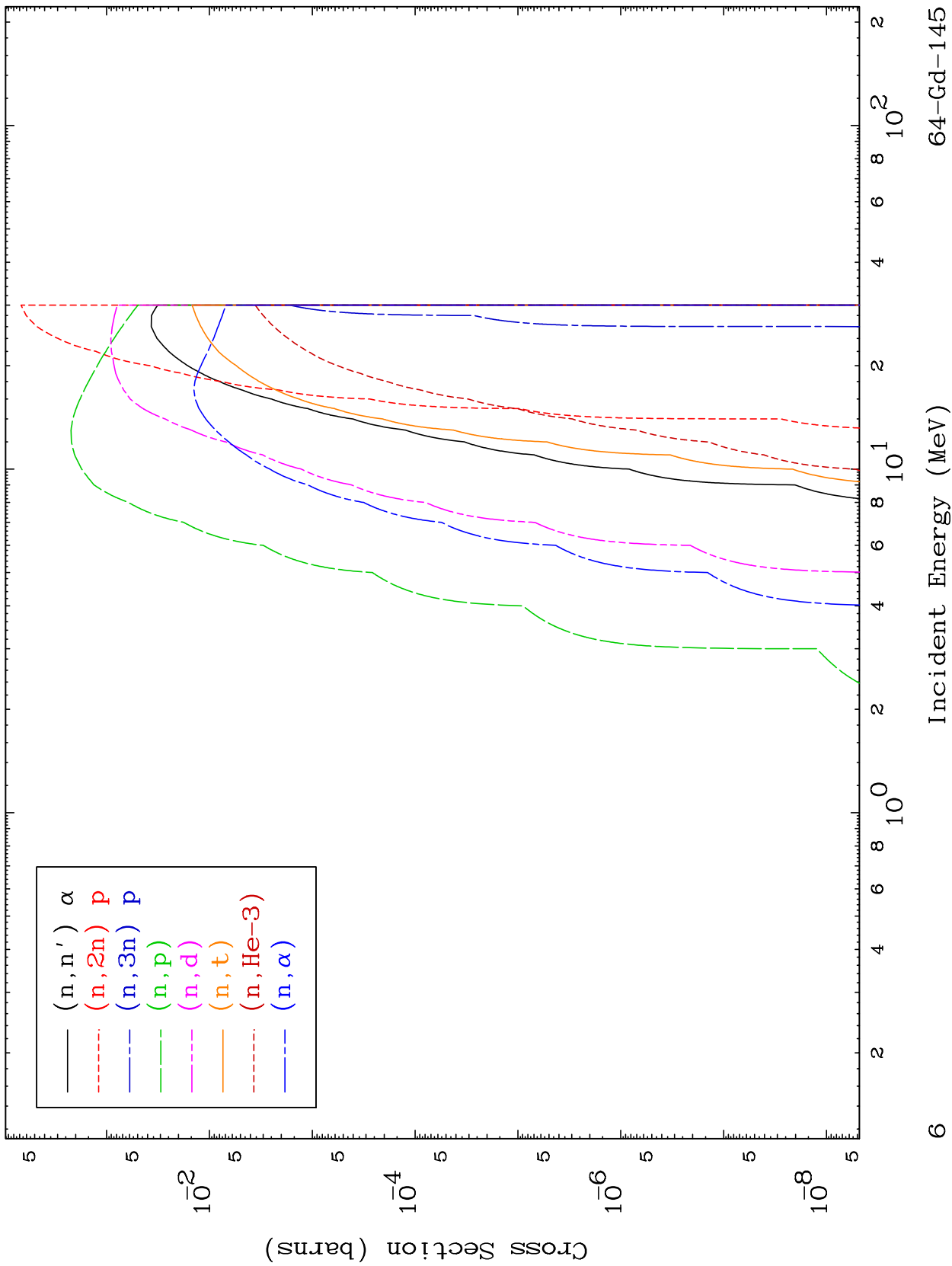
64-Gd-145



MAT 6404

Deuteron Charged Particle  
0 Kelvin Cross Sections

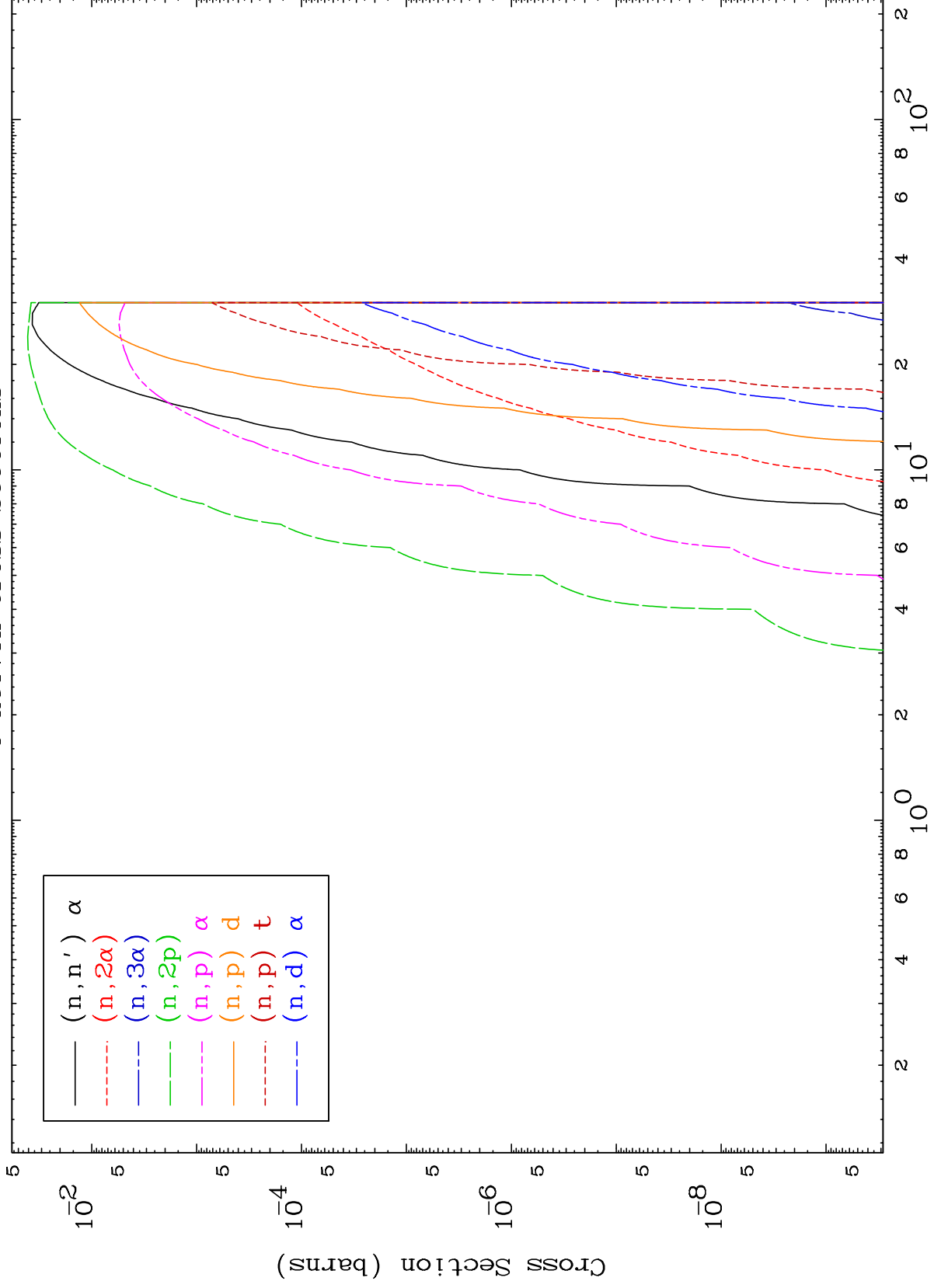
64-Gd-145



MAT 6404

Deuteron Charged Particle  
0 Kelvin Cross Sections

64-Gd-145



64-Gd-145

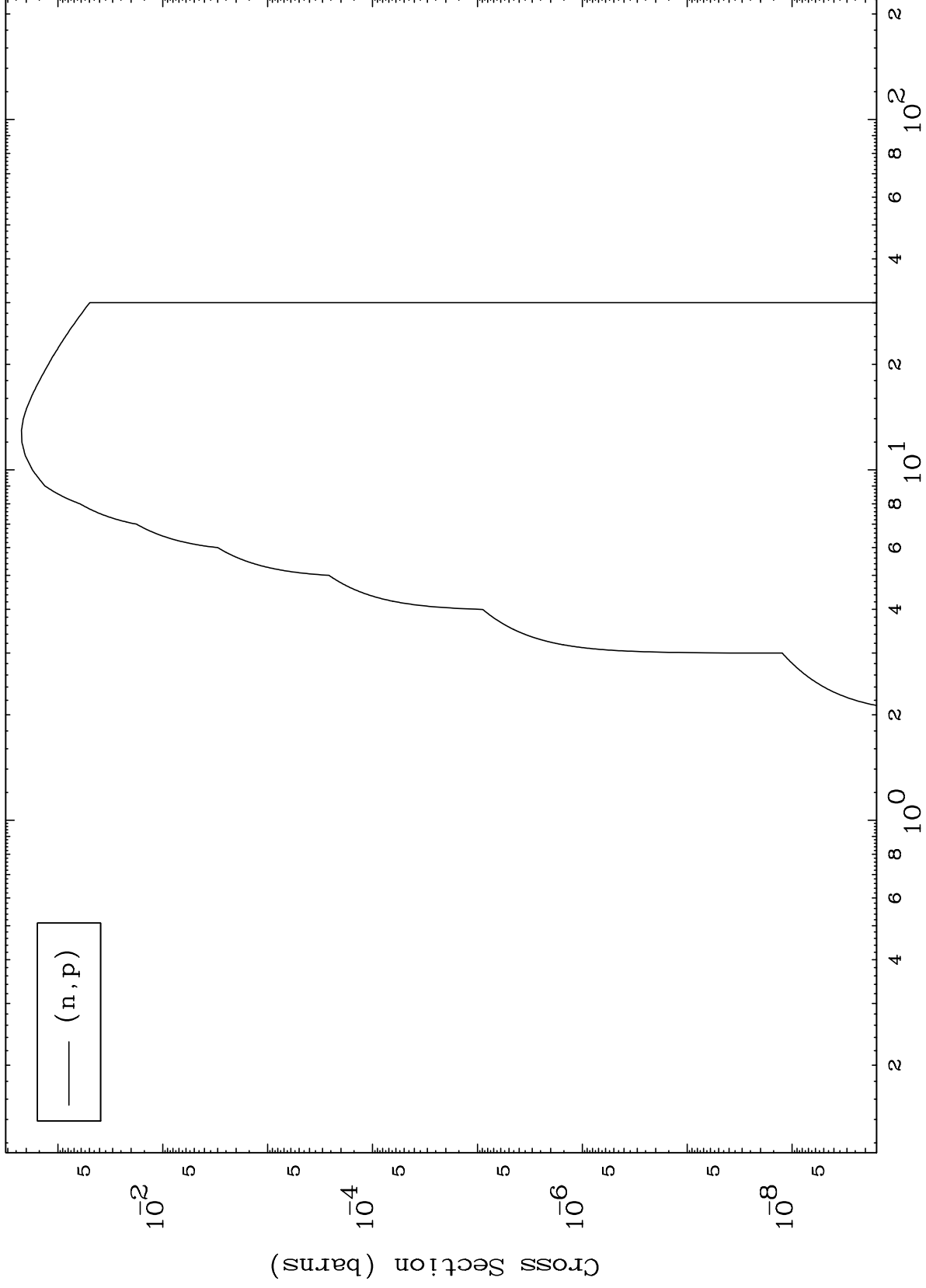
Incident Energy (MeV)



MAT 6404

(d,p) Levels  
0 Kelvin Cross Sections

64-Gd-145

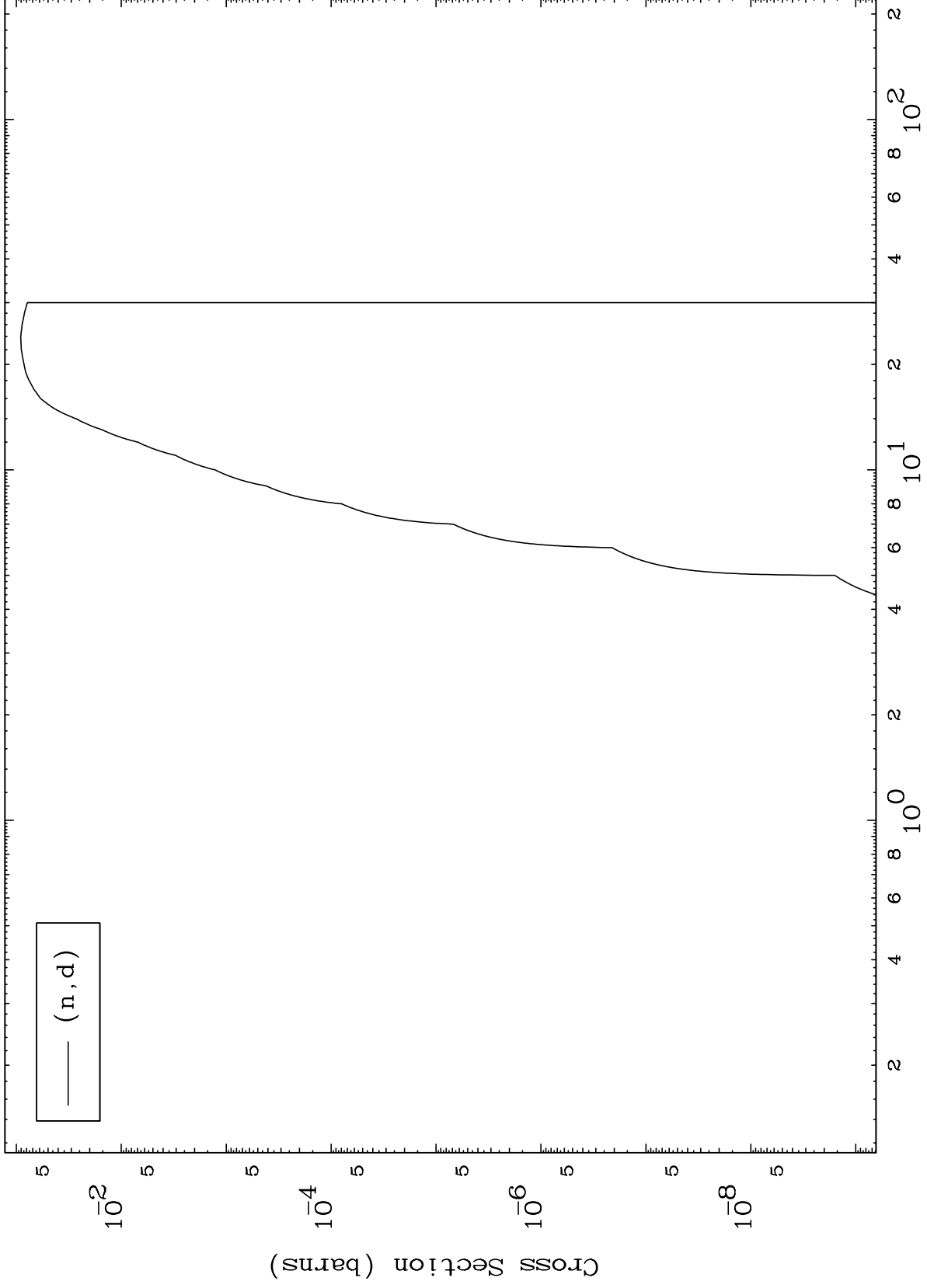


MAT 6404

(d,d) Levels

64-Gd-145

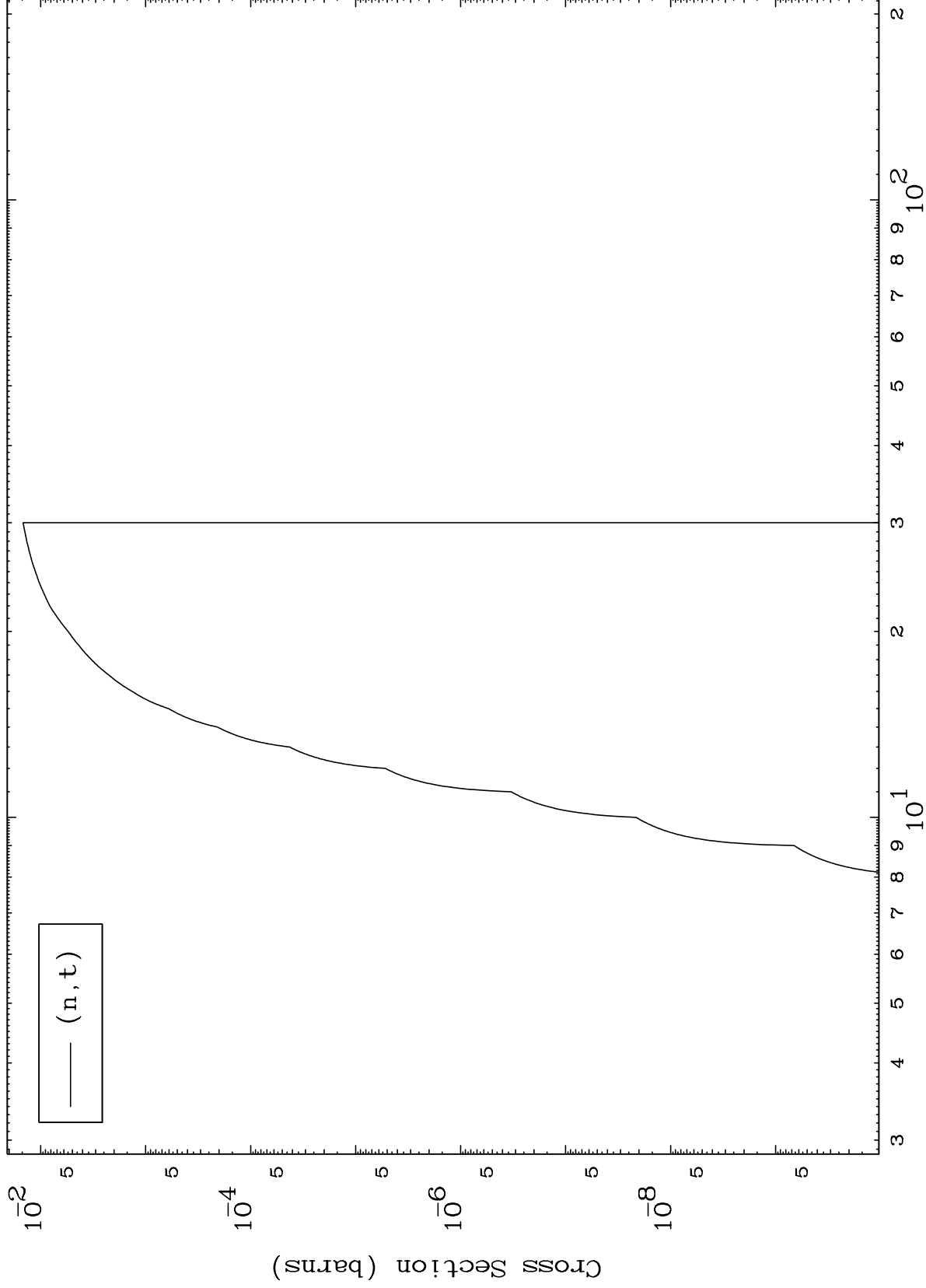
0 Kelvin Cross Sections



MAT 6404

(d, t) Levels  
0 Kelvin Cross Sections

64-Gd-145



10

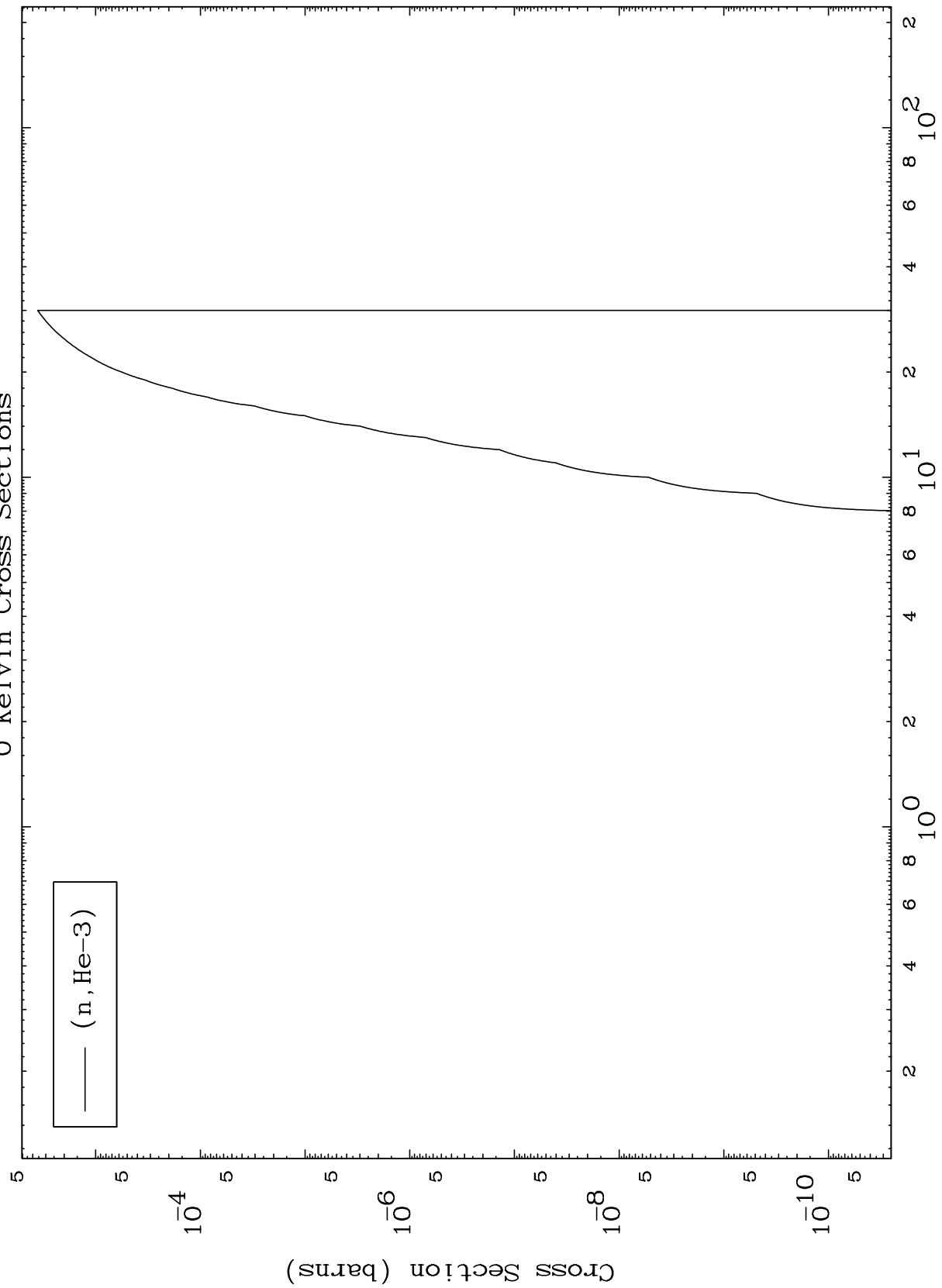
Incident Energy (MeV)

64-Gd-145

MAT 6404

64-Gd-145

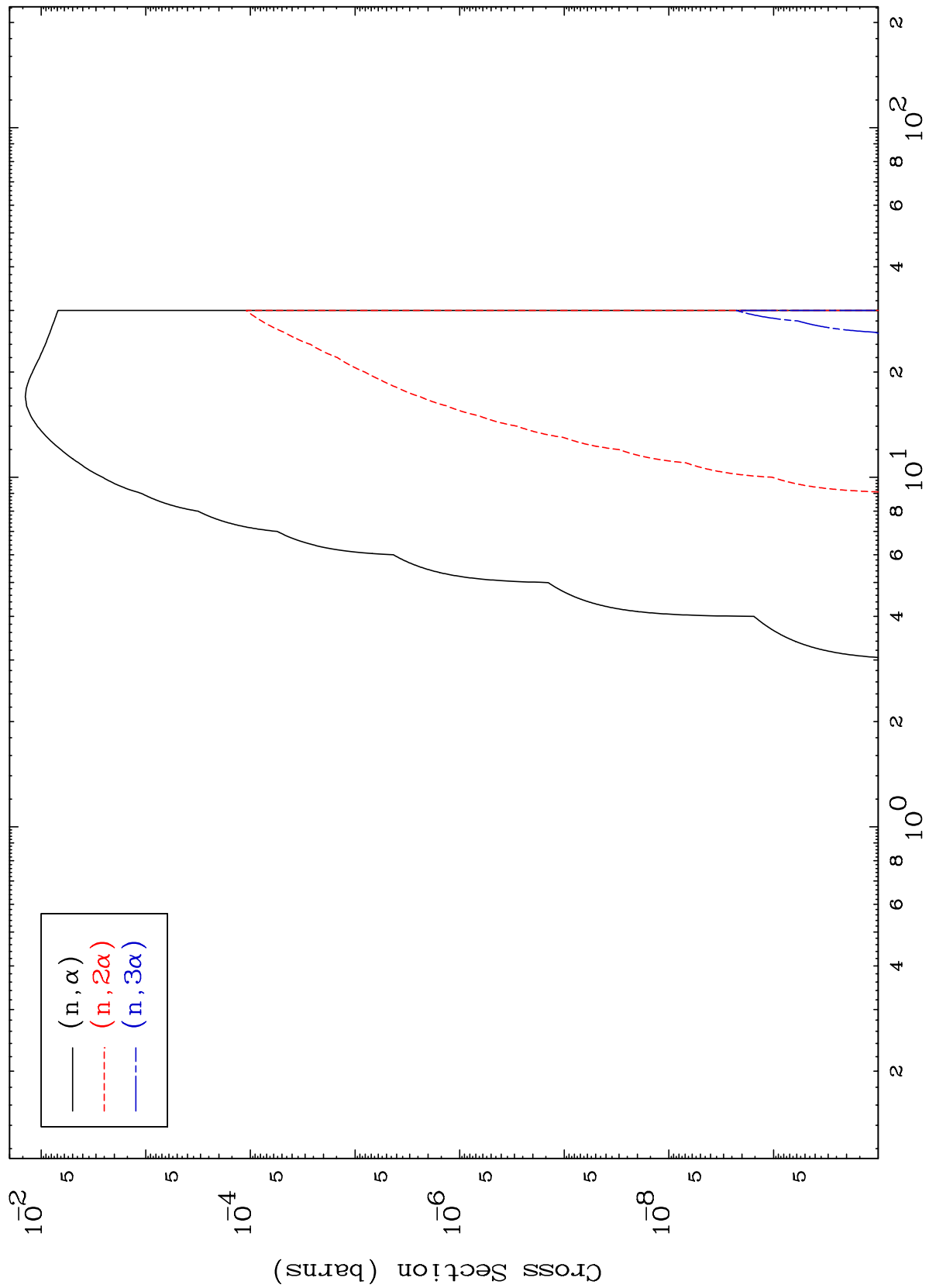
(d,He3) Levels  
0 Kelvin Cross Sections



MAT 6404

64-Gd-145

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



64-Gd-145

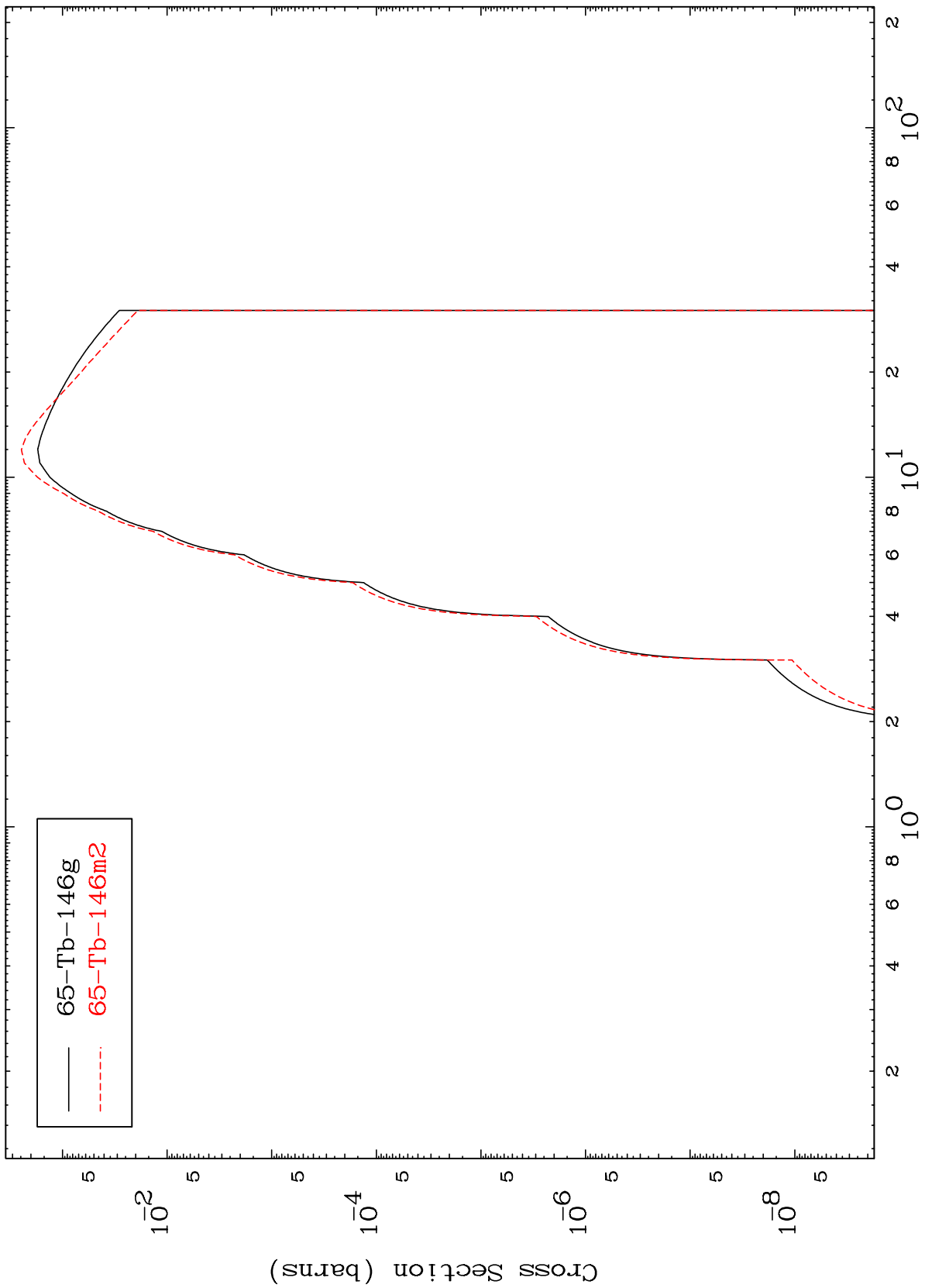
Incident Energy (MeV)

12

MAT 6404

64-Gd-145

Inelastic  
Radionuclide Production Cross Section



64-Gd-145

Incident Energy (MeV)

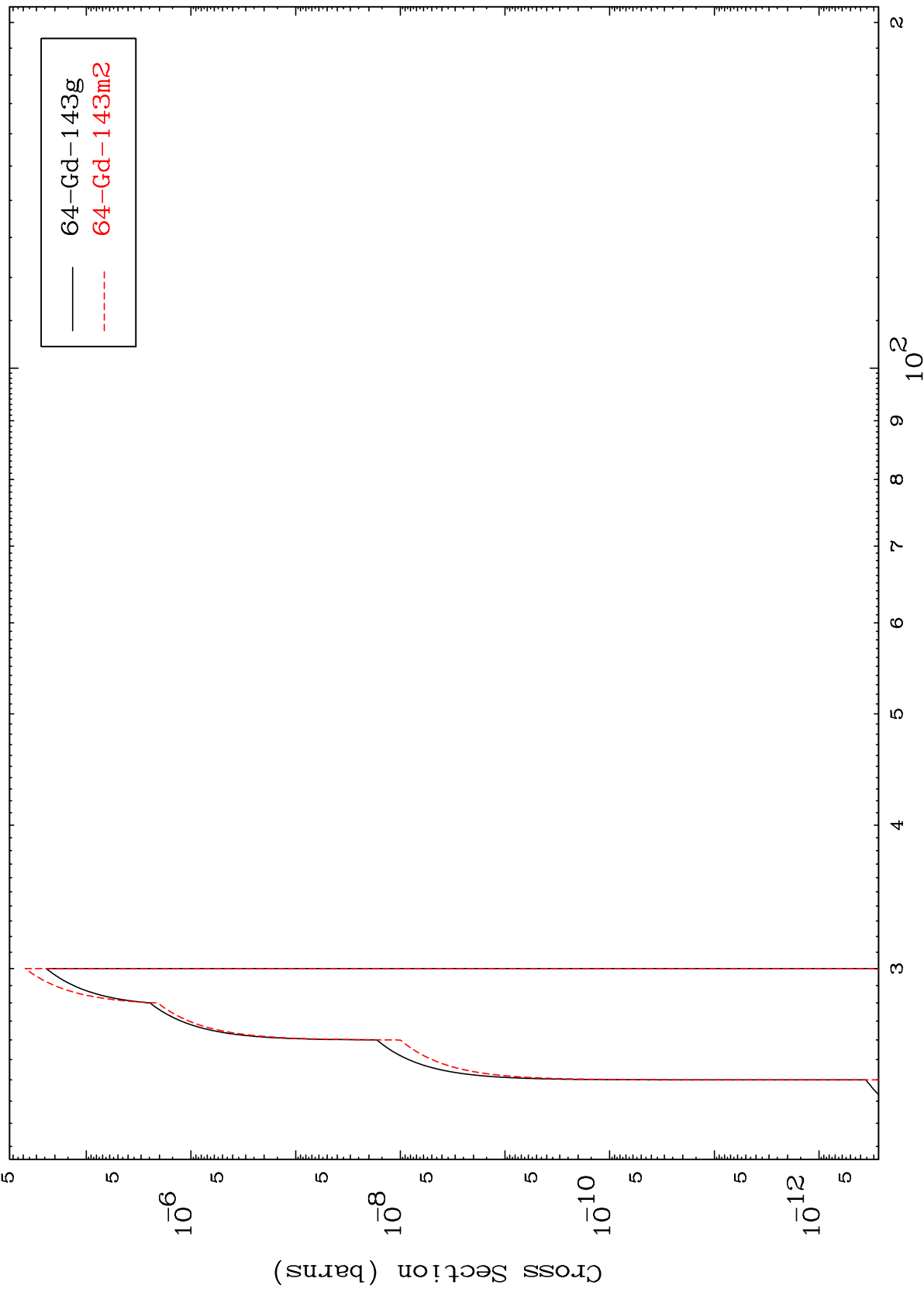
13

MAT 6404

(n,2n) d

64-Gd-145

Radionuclide Production Cross Section



14

Incident Energy (MeV)

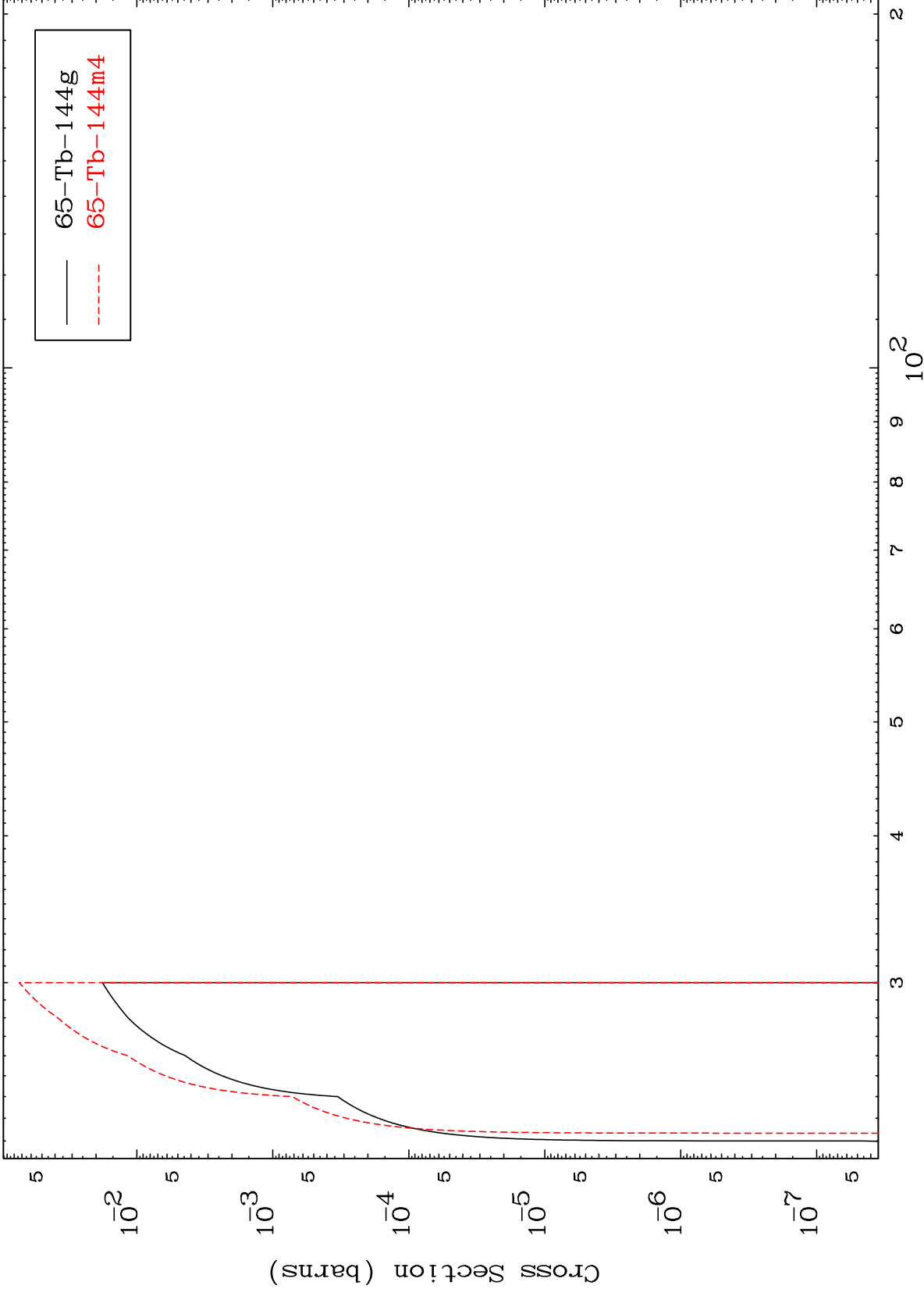
64-Gd-145

MAT 6404

(n,3n)

64-Gd-145

Radionuclide Production Cross Section



15

Incident Energy (MeV)

64-Gd-145

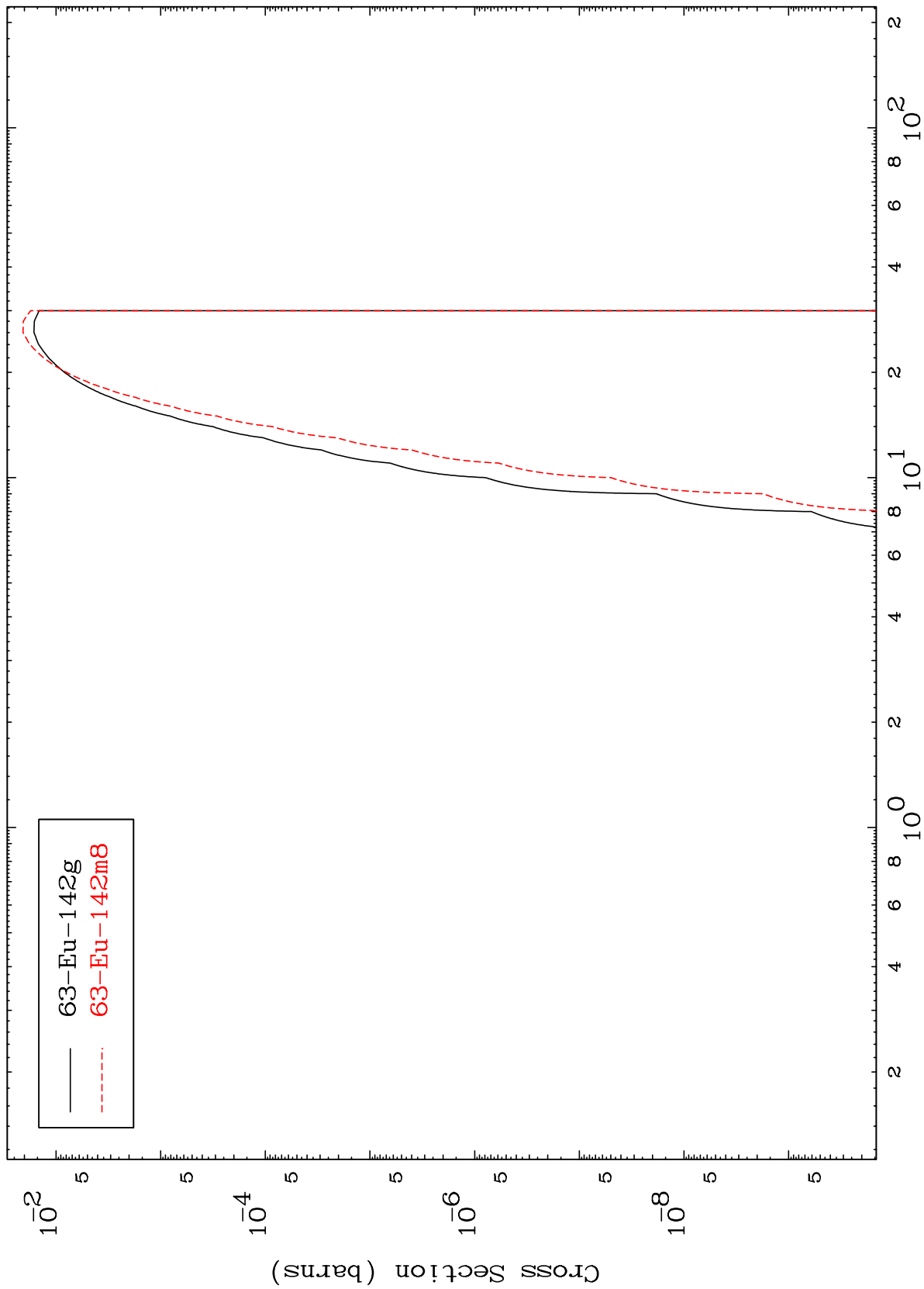


MAT 6404

$(n, n') \alpha$

64-Gd-145

Radionuclide Production Cross Section

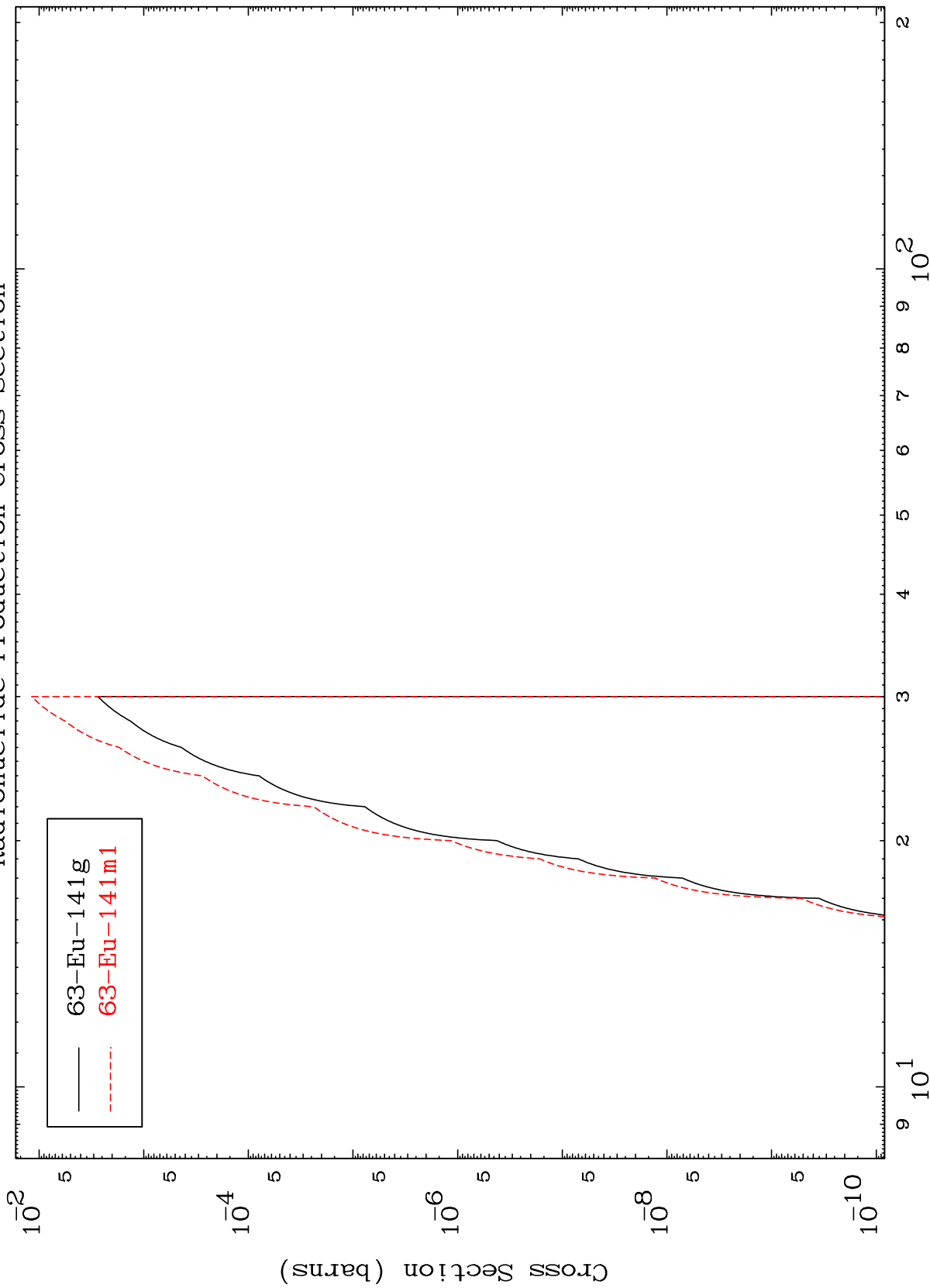


MAT 6404

(n,2n)  $\alpha$

64-Gd-145

Radionuclide Production Cross Section



17

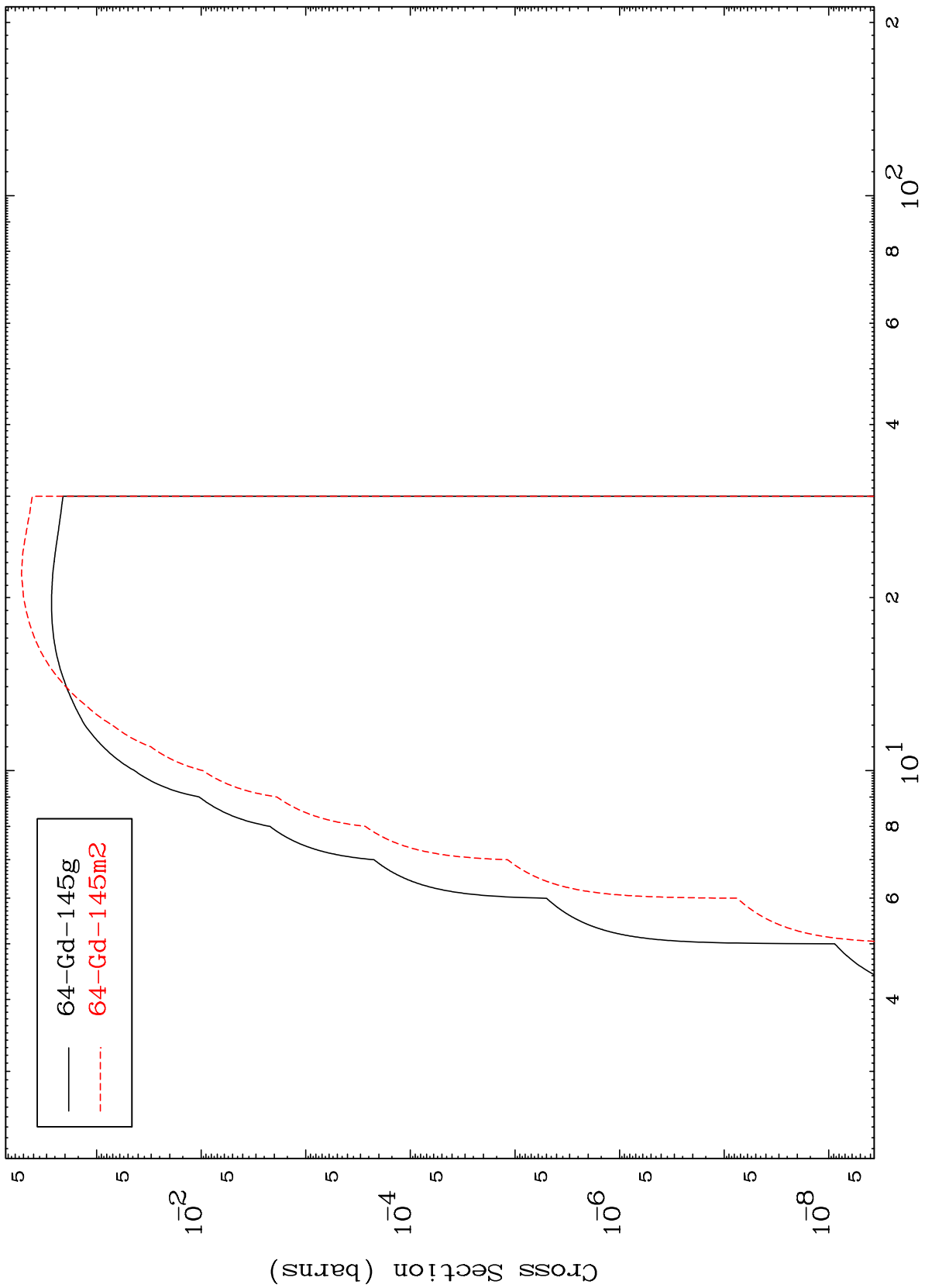
Incident Energy (MeV)

64-Gd-145

MAT 6404

64-Gd-145

(n,n') p  
Radionuclide Production Cross Section



18

64-Gd-145

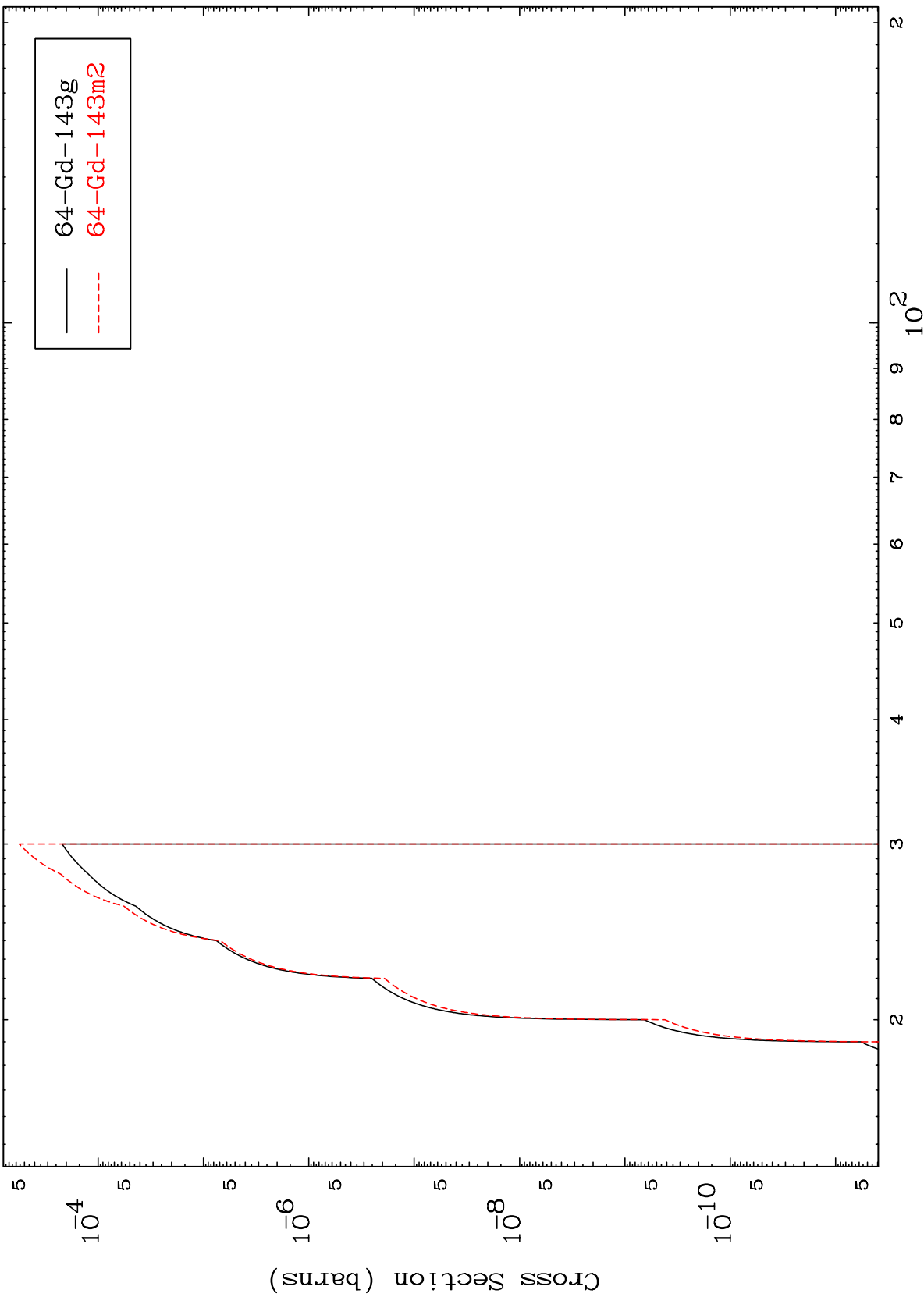
Incident Energy (MeV)

MAT 6404

(n,n') t

64-Gd-145

Radionuclide Production Cross Section



19

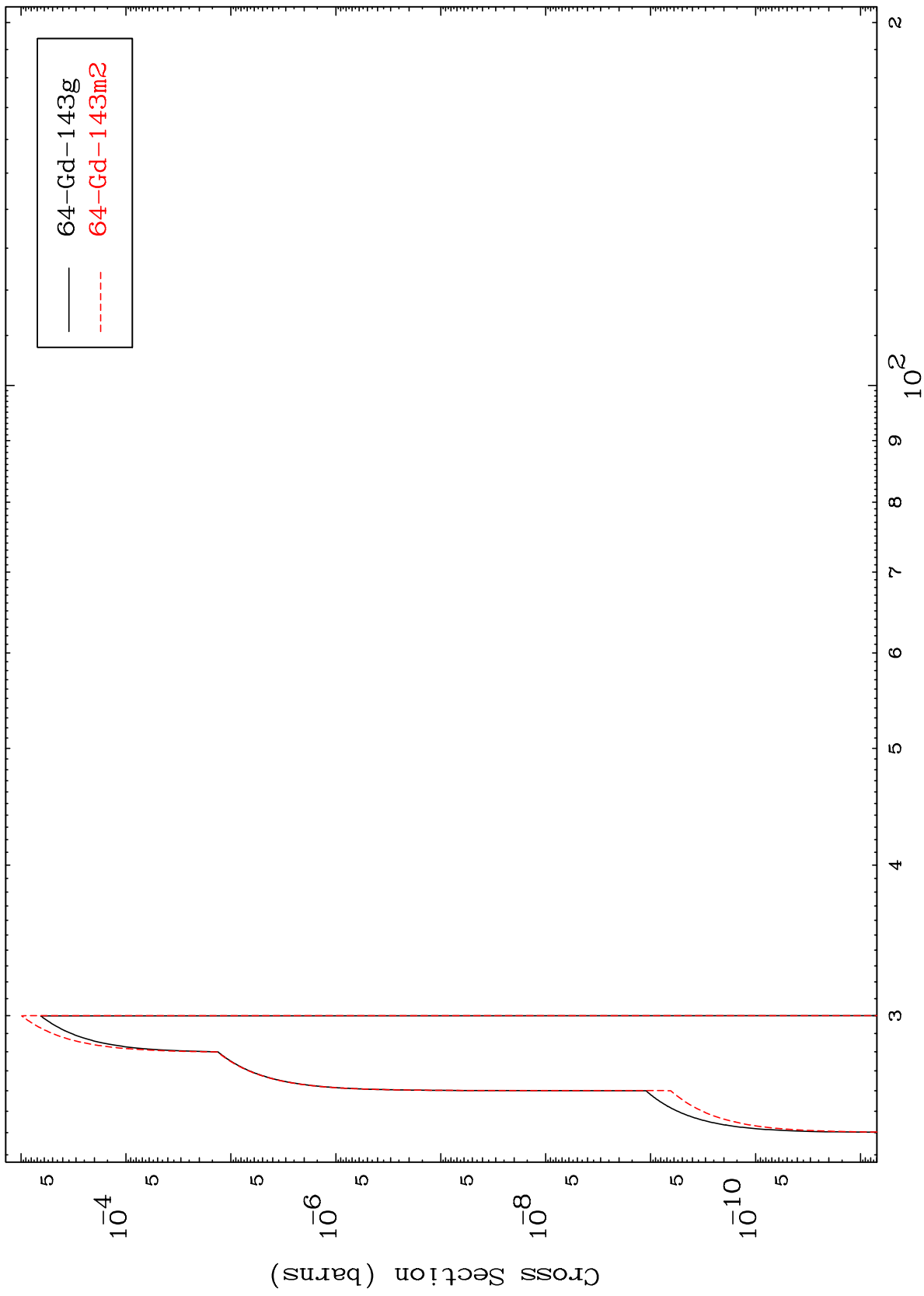
Incident Energy (MeV)

64-Gd-145

MAT 6404

64-Gd-145

(n,3n) p  
Radionuclide Production Cross Section



64-Gd-145

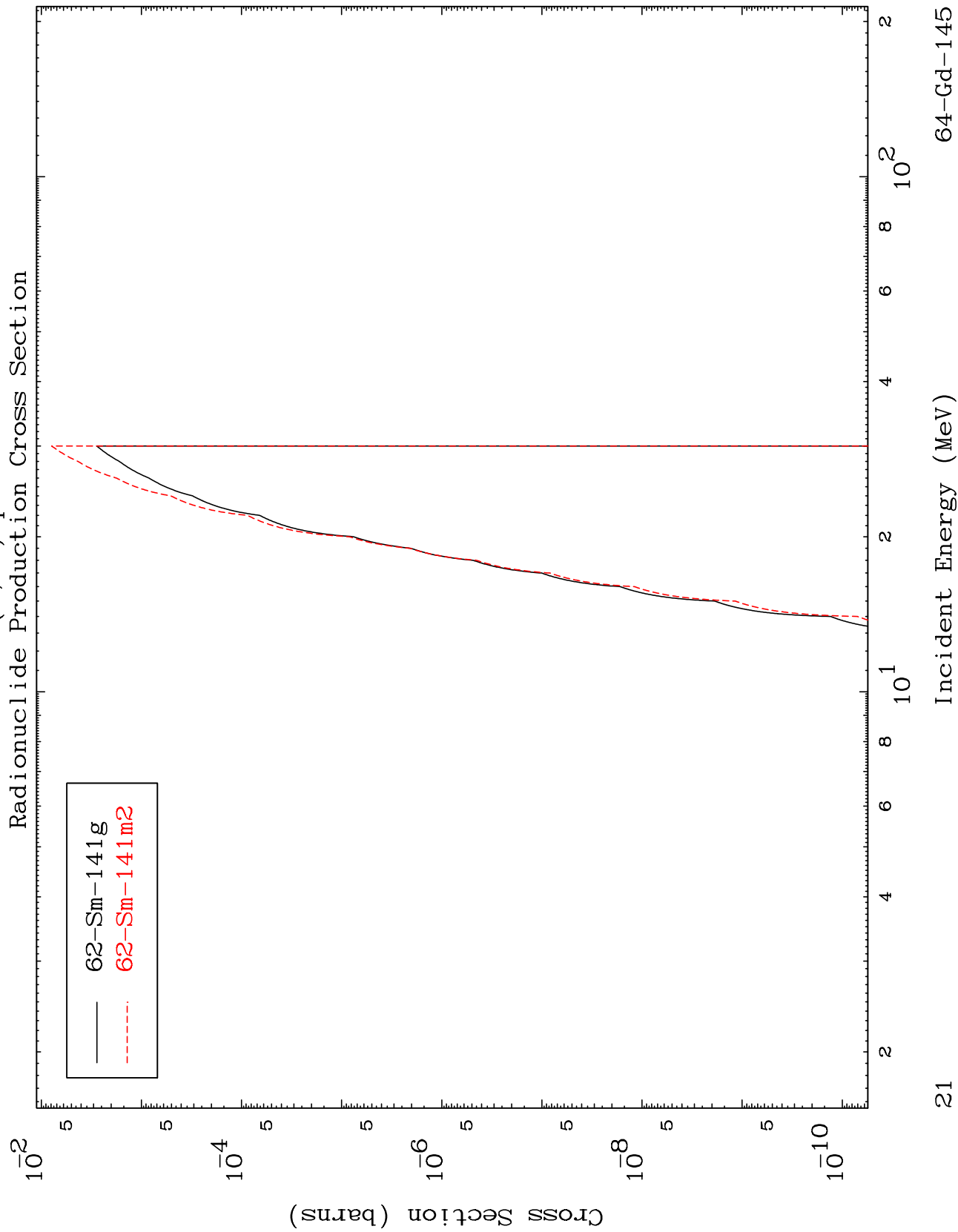
Incident Energy (MeV)

20

MAT 6404

(n,n') p  $\alpha$

64-Gd-145

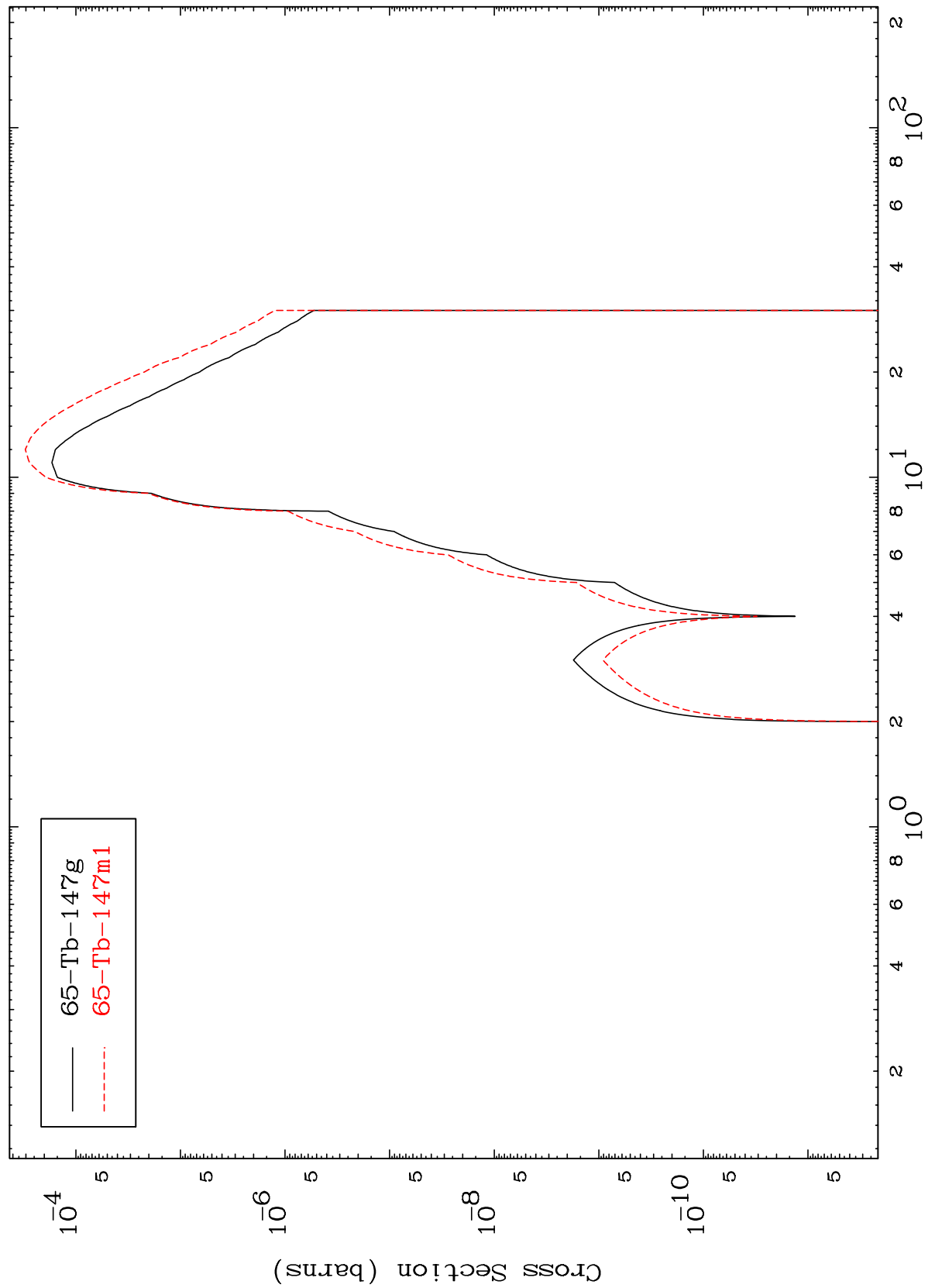


21

MAT 6404

64-Gd-145

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



64-Gd-145

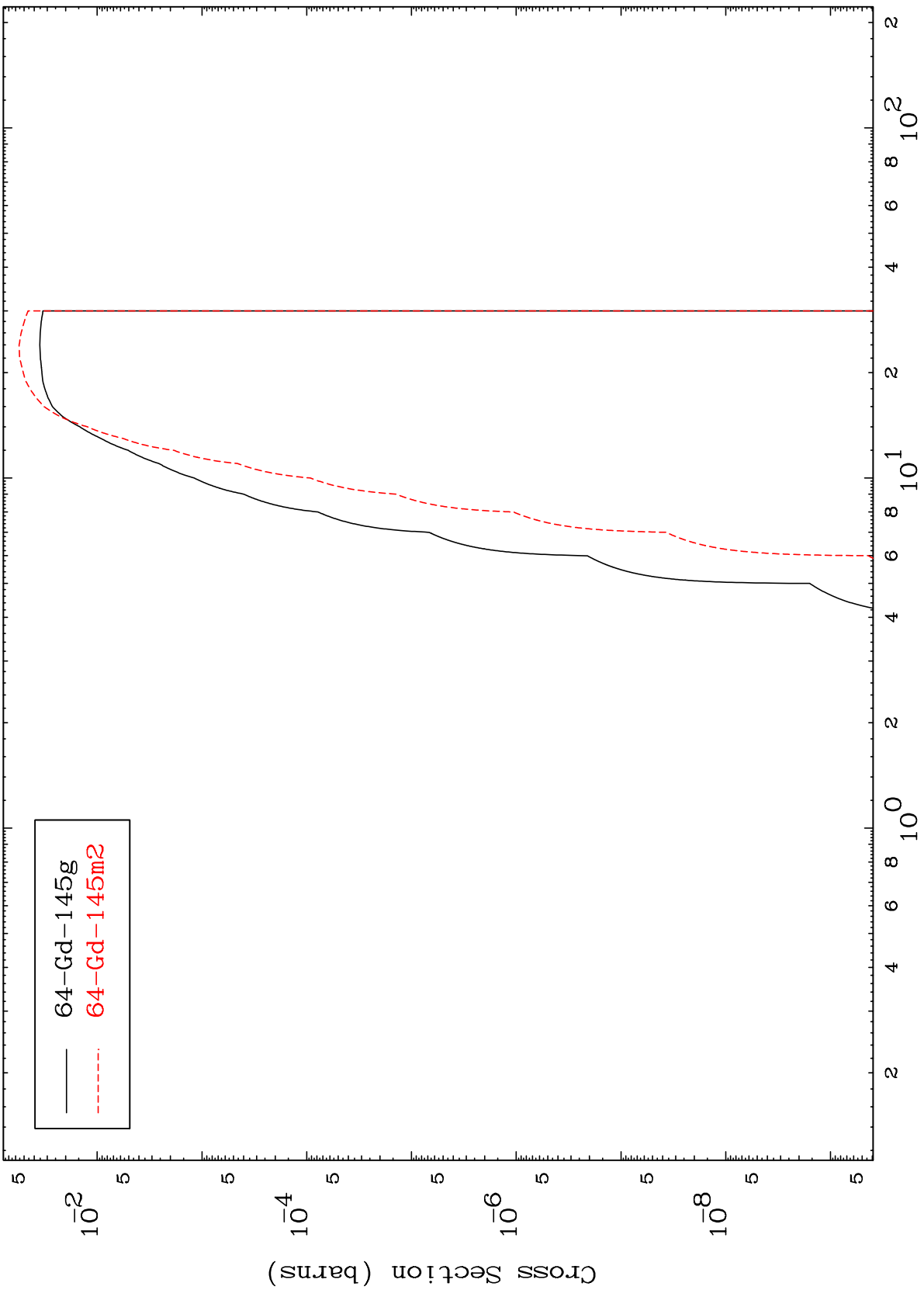
Incident Energy (MeV)

MAT 6404

(n, d)

64-Gd-145

Radionuclide Production Cross Section

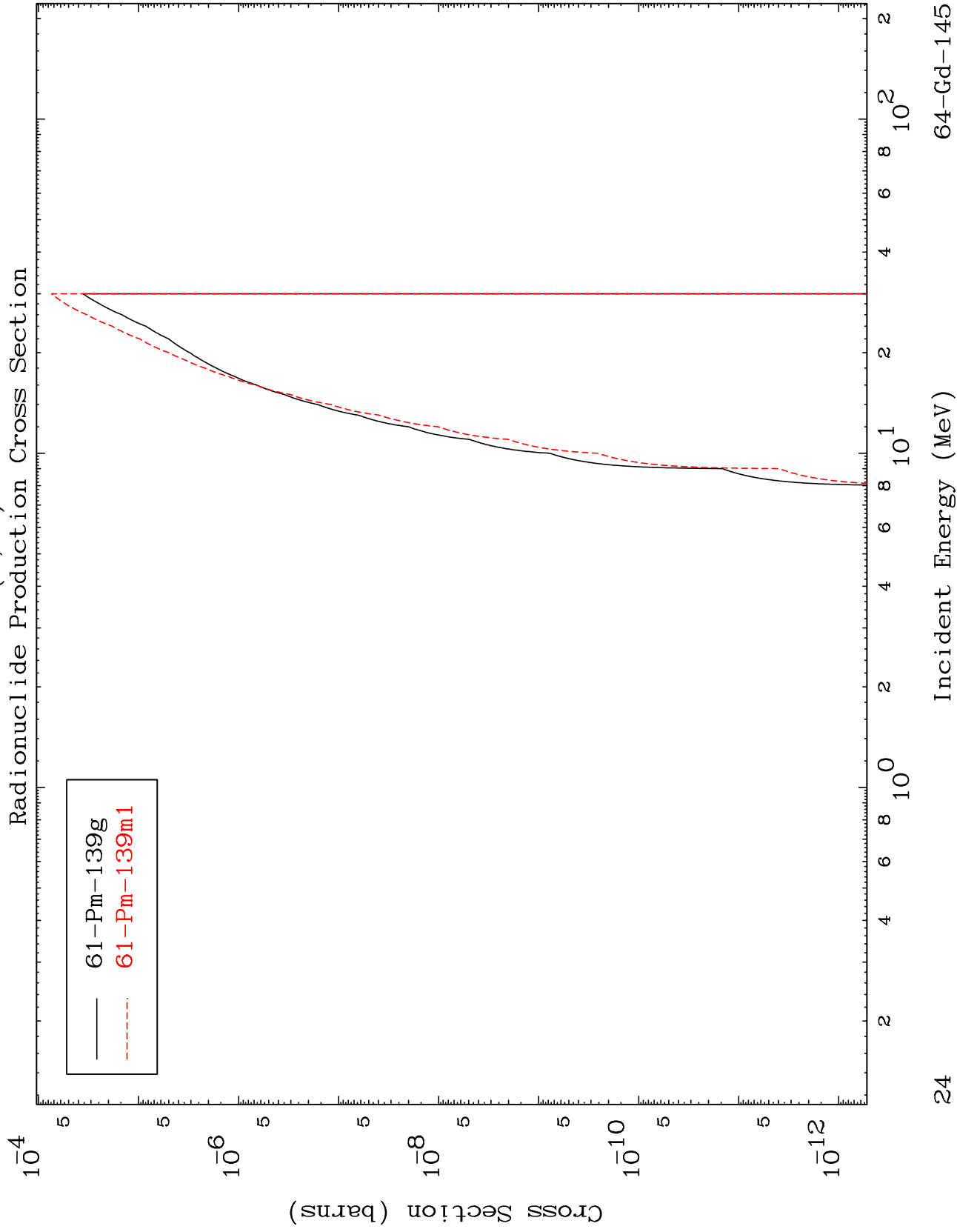




MAT 6404

(n,2α)

64-Gd-145



24

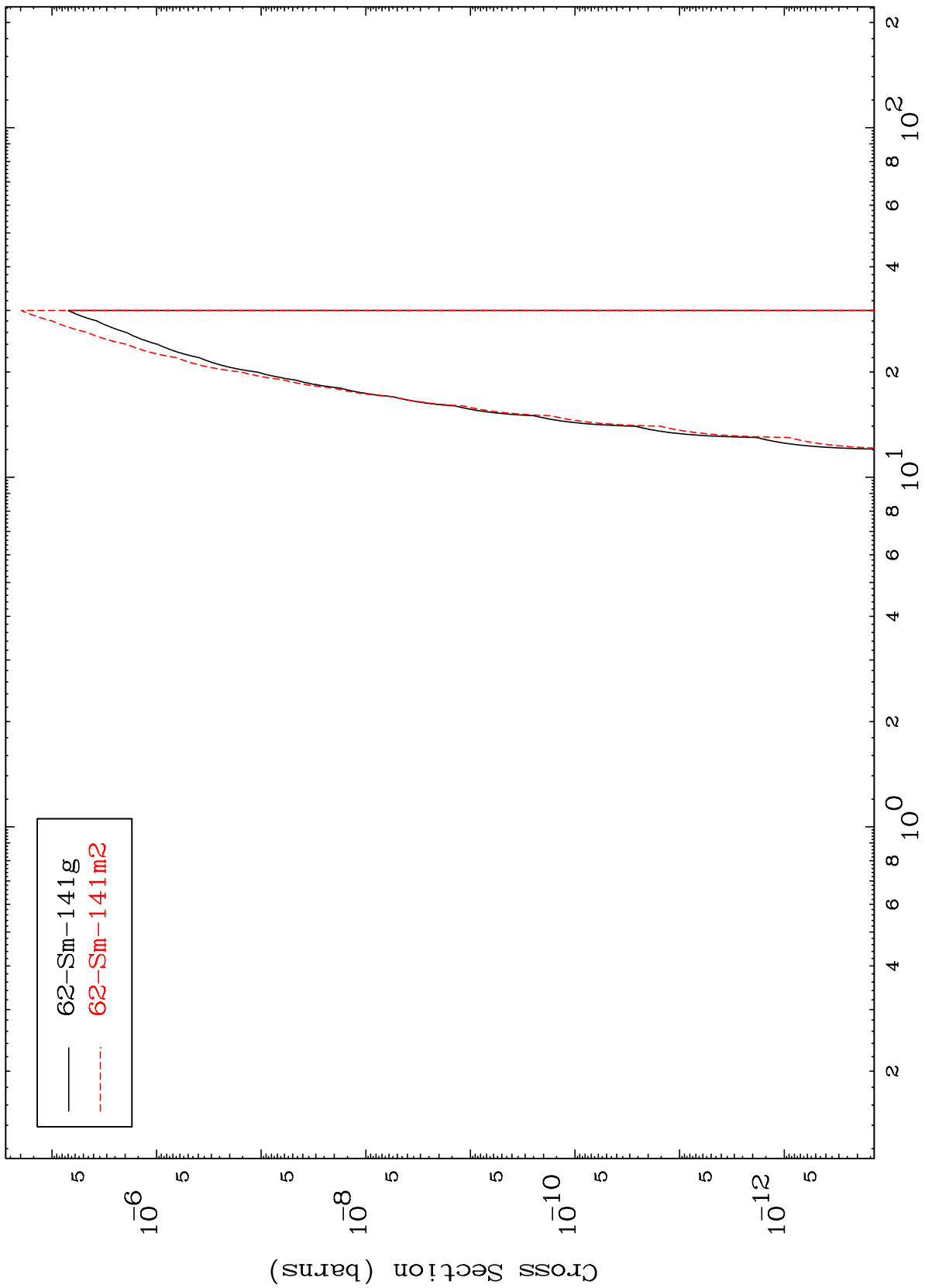
64-Gd-145

MAT 6404

(n,d)  $\alpha$

64-Gd-145

Radionuclide Production Cross Section



25

Incident Energy (MeV)

64-Gd-145