

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

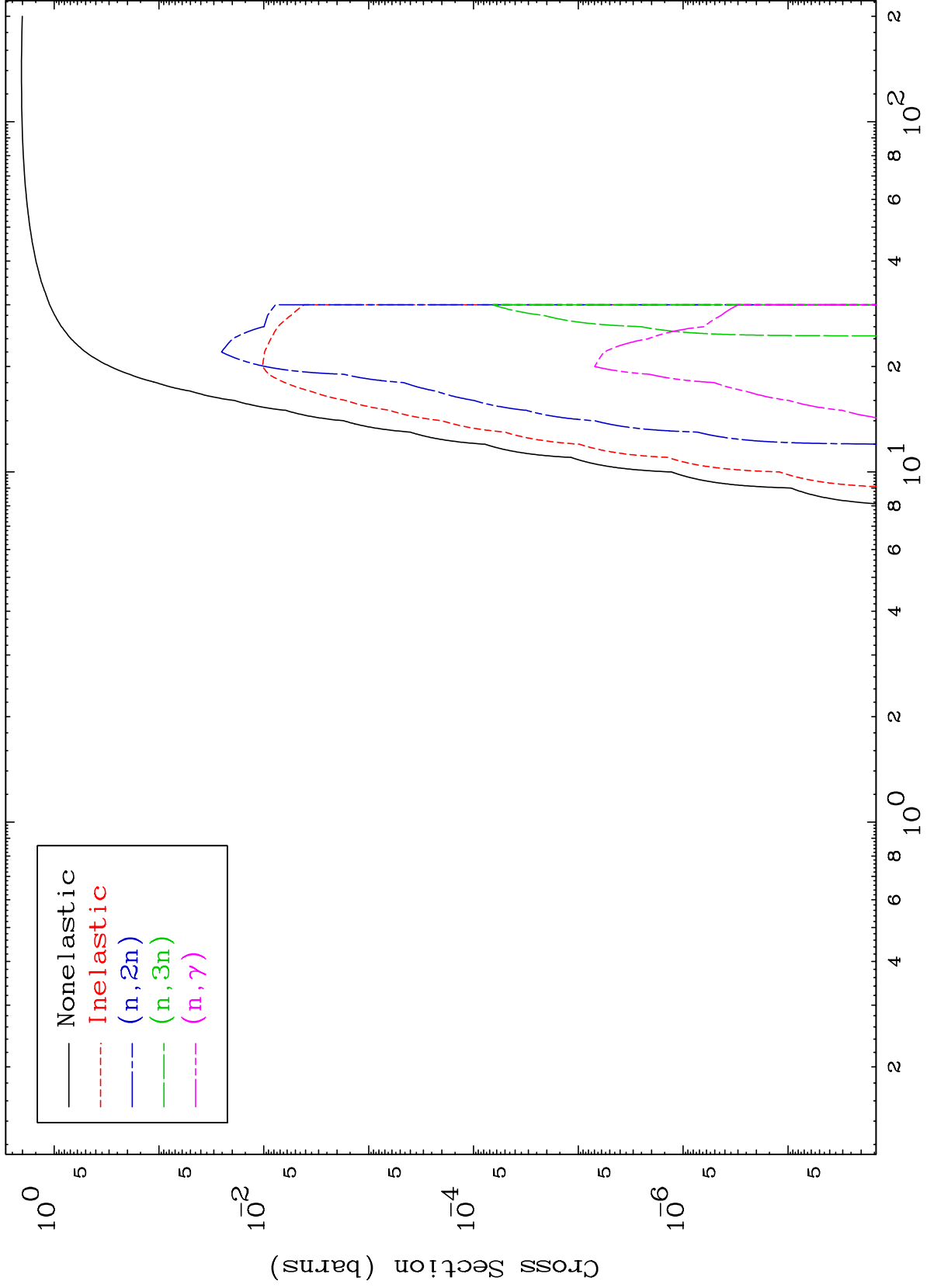
Press Mouse Button to Start

MAT 6404

He-3 Major

64-Gd-145

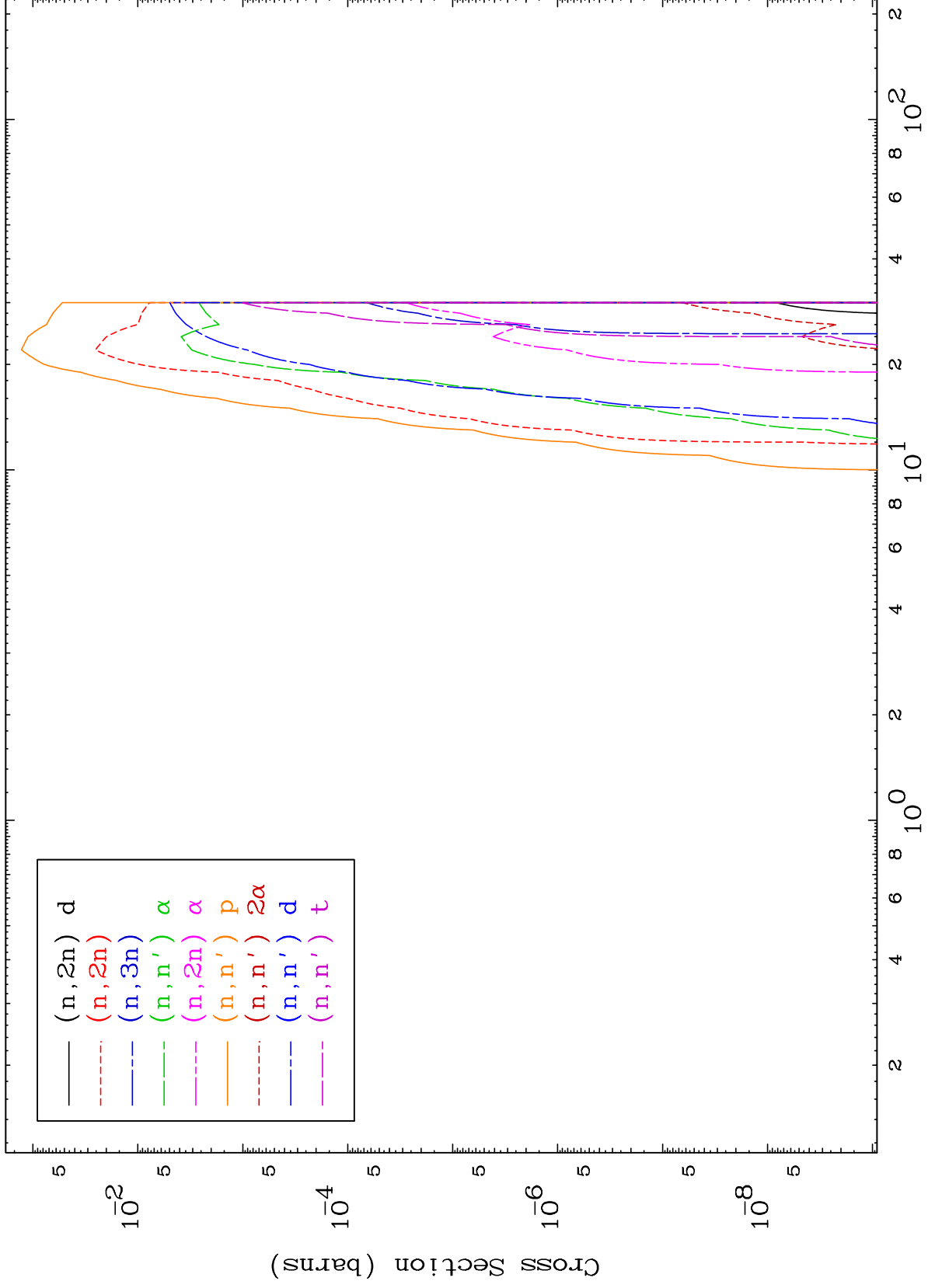
0 Kelvin Cross Sections

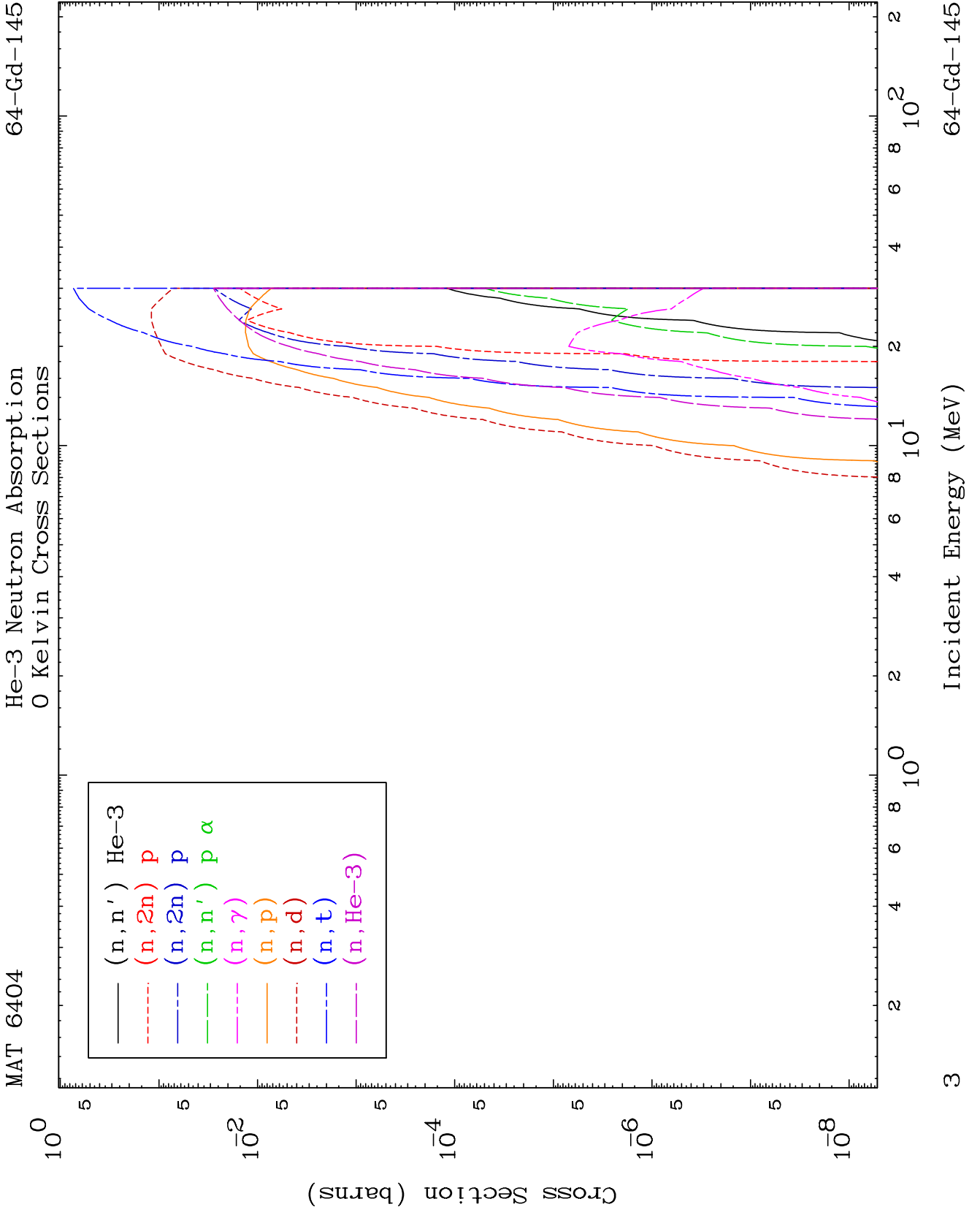


MAT 6404

He-3 Neutron Absorption
0 Kelvin Cross Sections

64-Gd-145

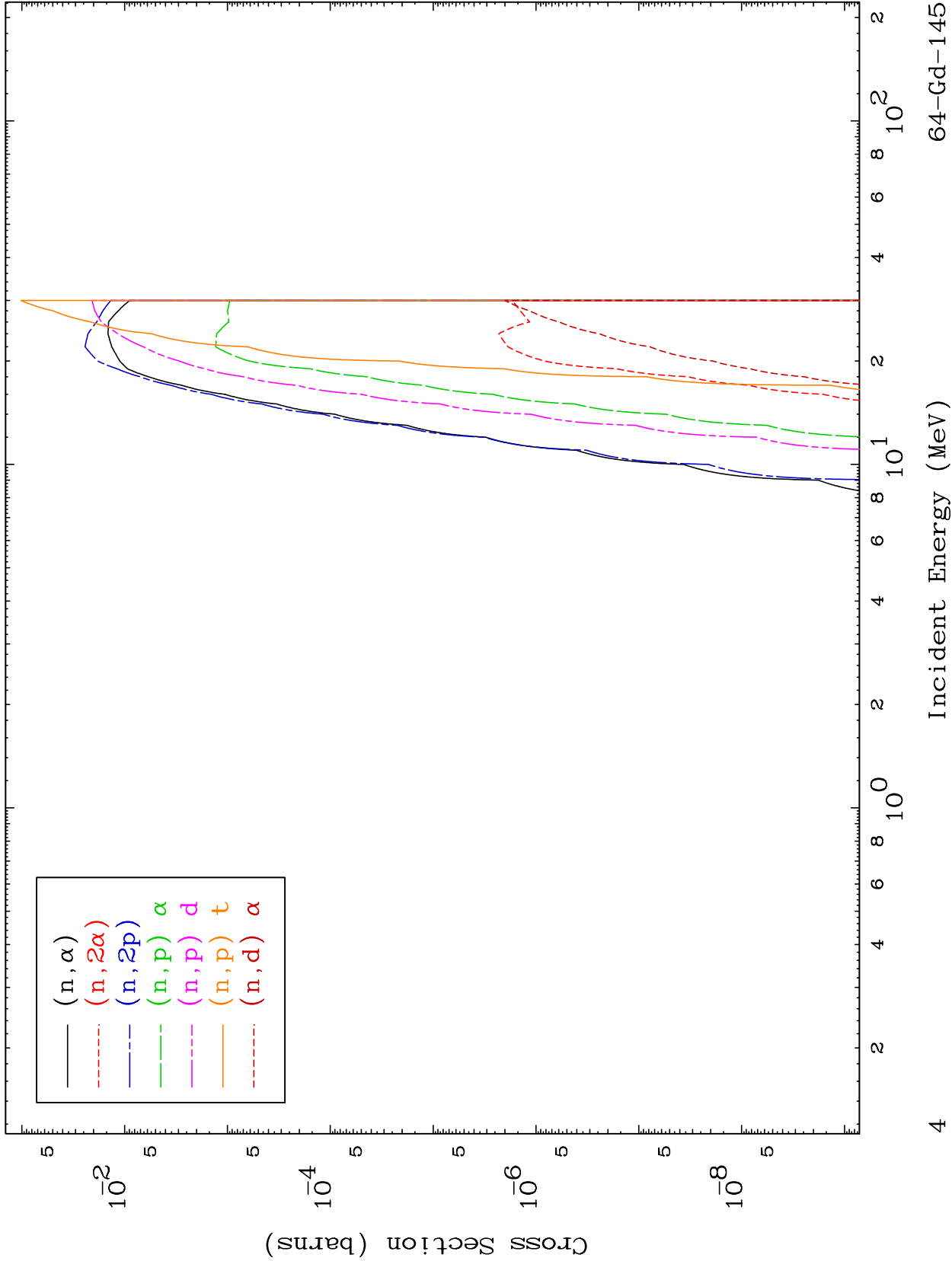




MAT 6404

He-3 Neutron Absorption
0 Kelvin Cross Sections

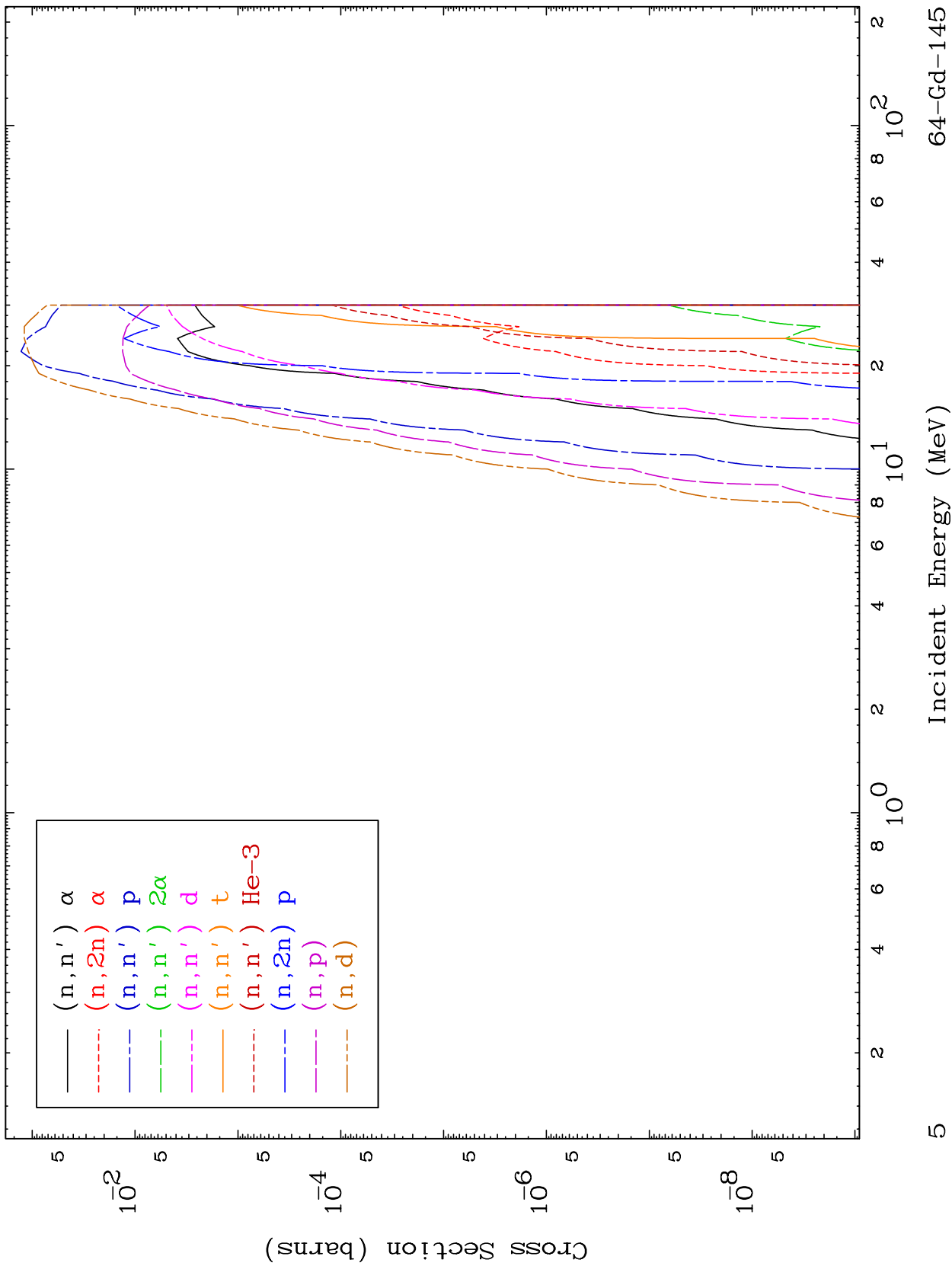
64-Gd-145



MAT 6404

He-3 Charged Particle
0 Kelvin Cross Sections

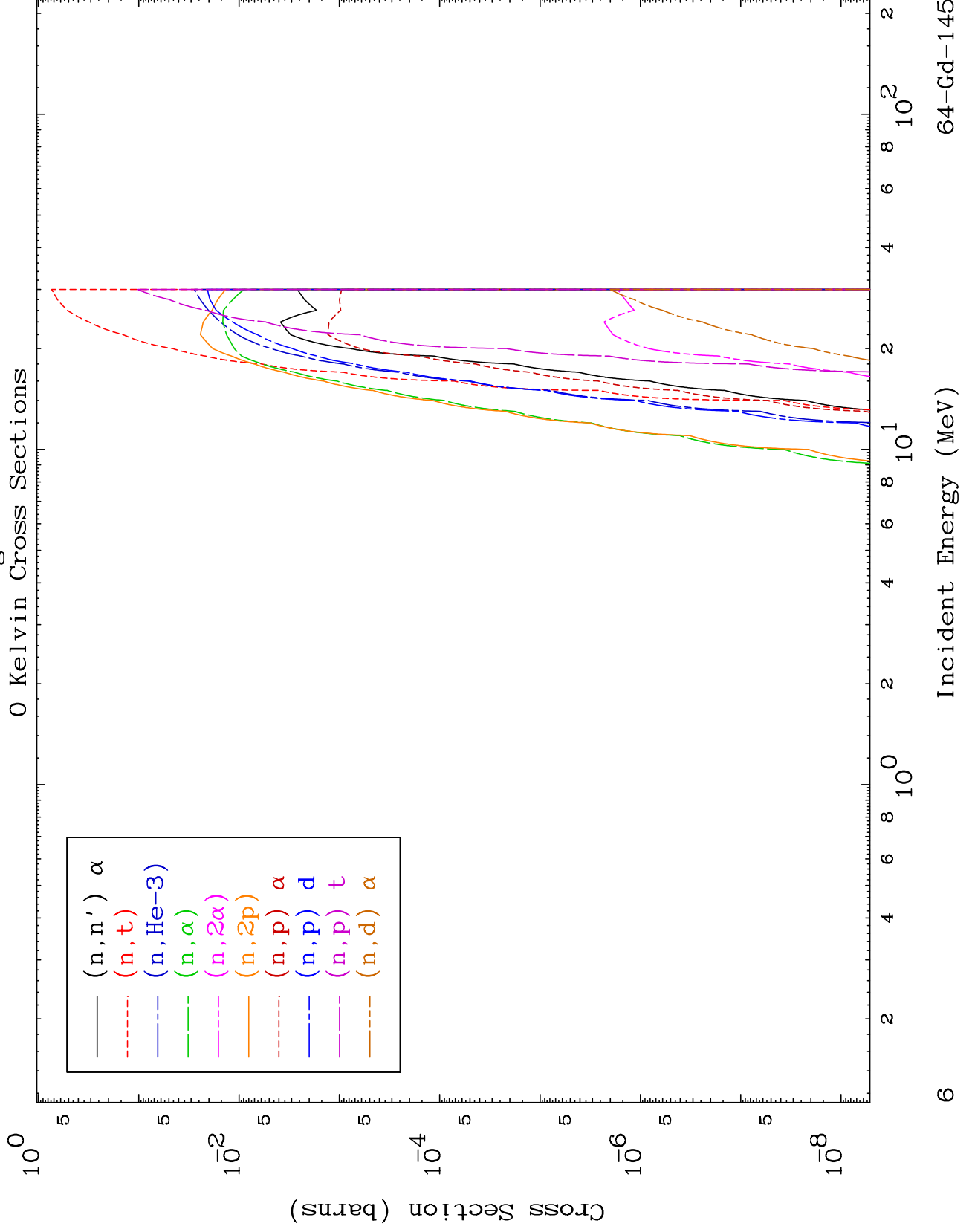
64-Gd-145



MAT 6404

He-3 Charged Particle
0 Kelvin Cross Sections

64-Gd-145

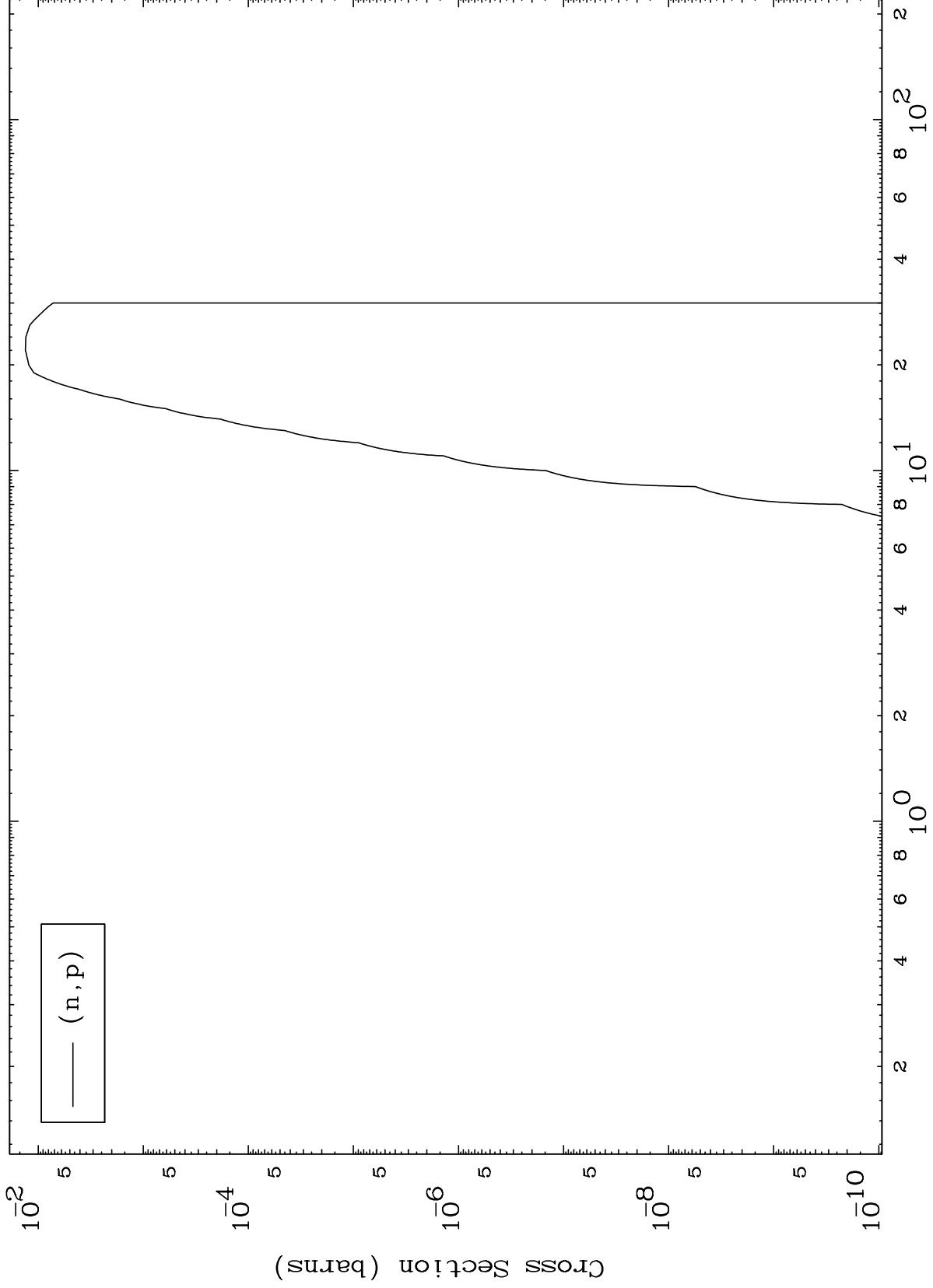


MAT 6404

(He-3,p) Levels

64-Gd-145

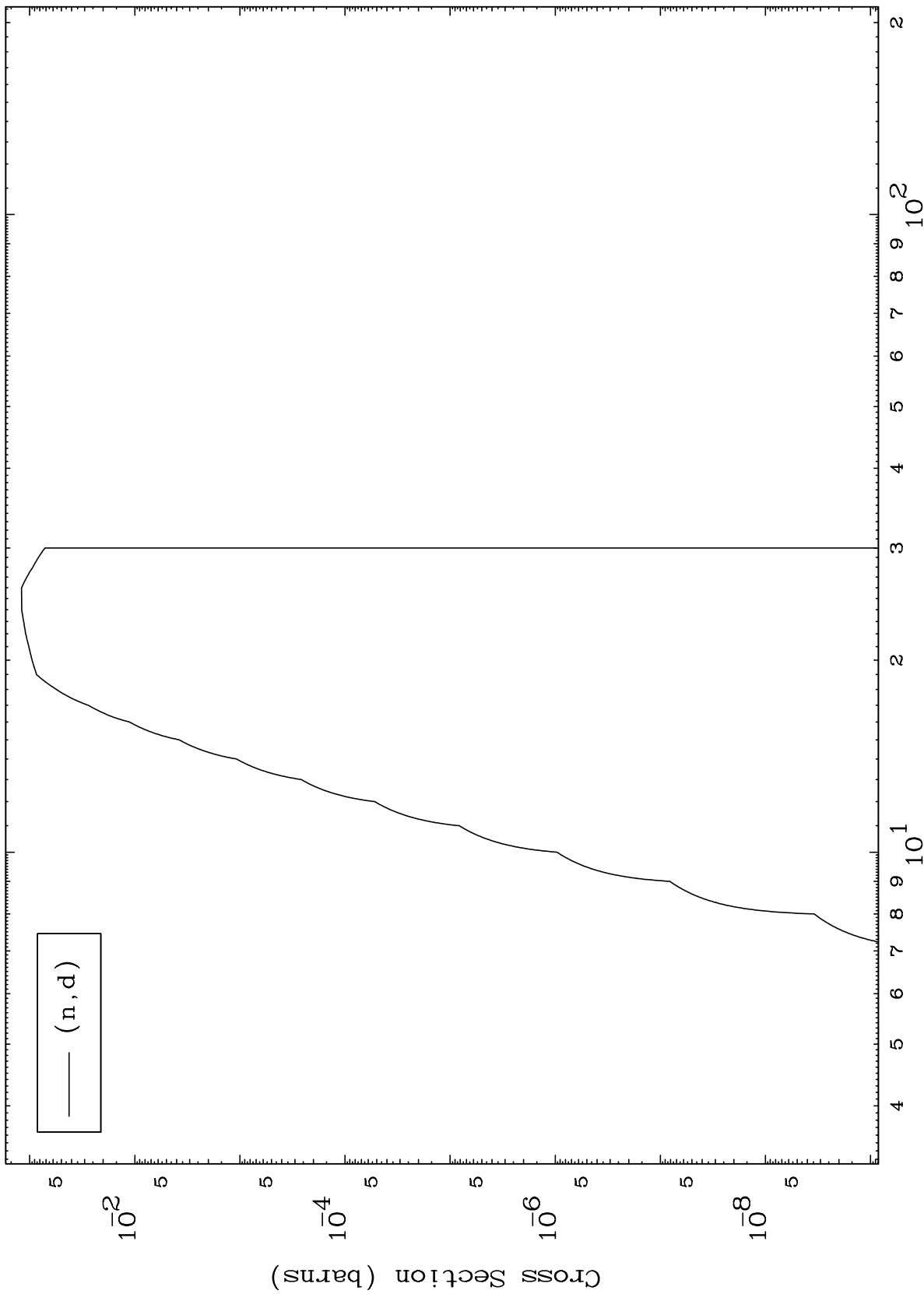
0 Kelvin Cross Sections



MAT 6404

64-Gd-145

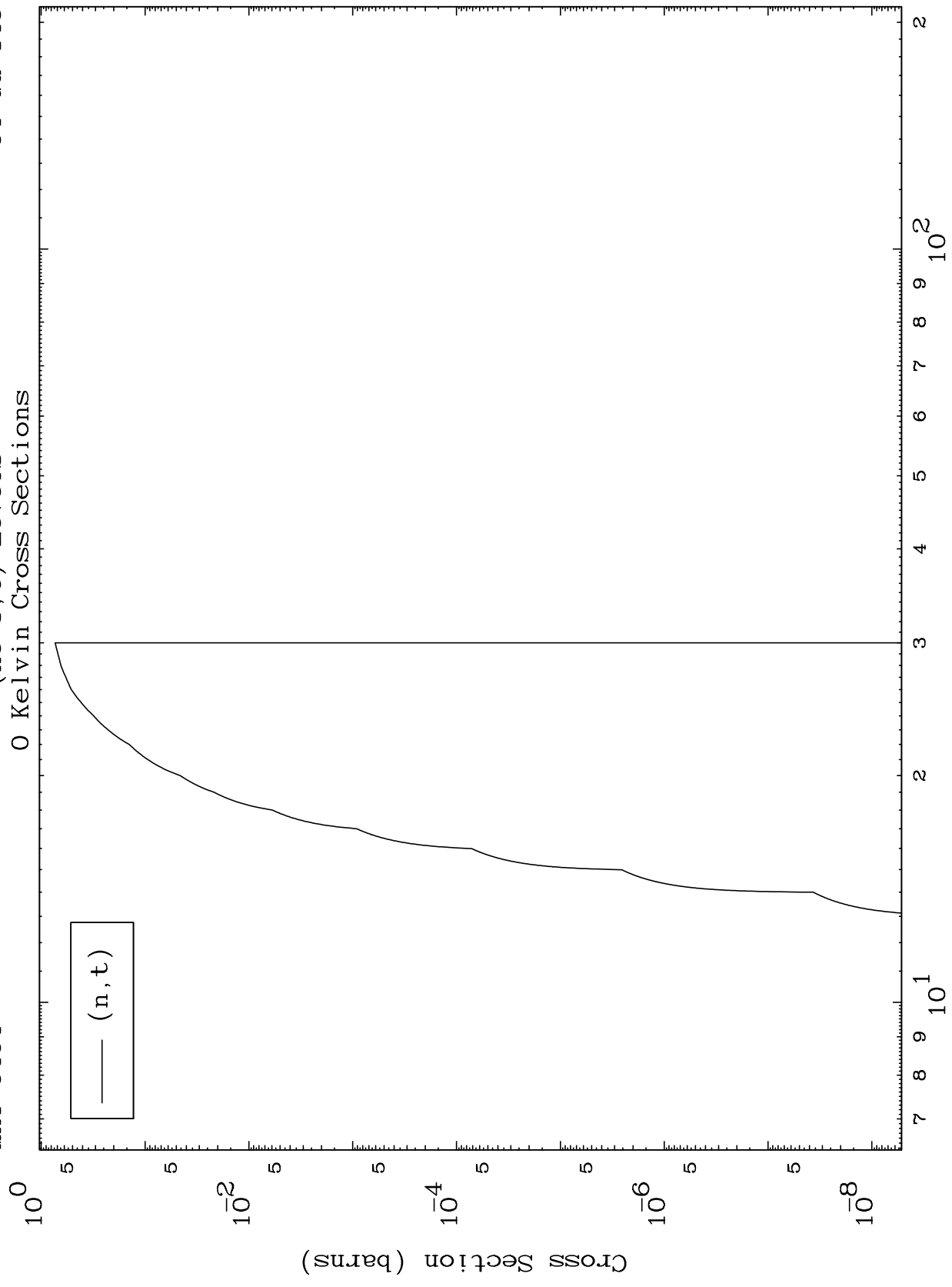
(He-3,d) Levels
0 Kelvin Cross Sections



MAT 6404

64-Gd-145

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



9

Incident Energy (MeV)

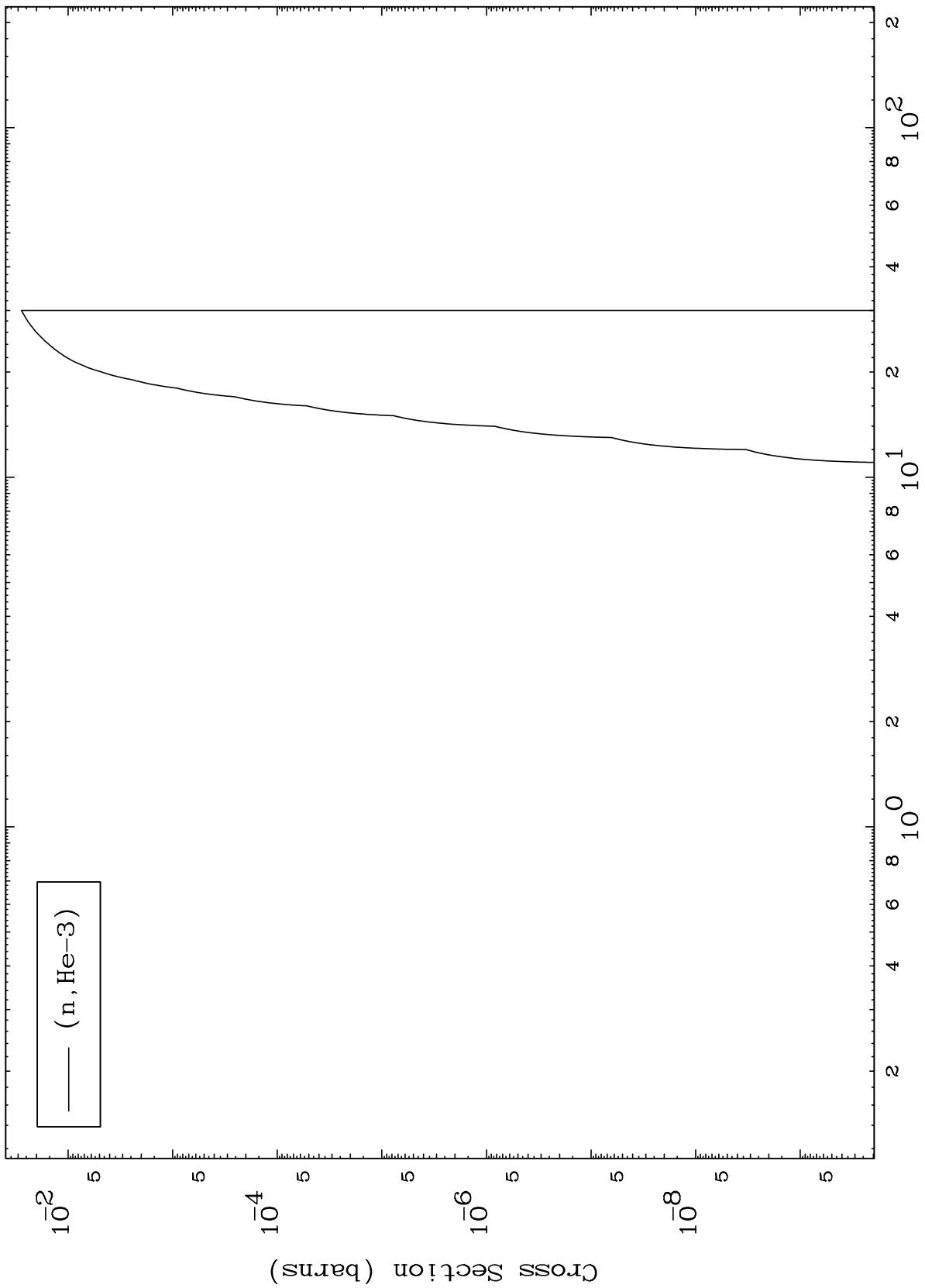
64-Gd-145

MAT 6404

(He-3, He3) Levels

64-Gd-145

0 Kelvin Cross Sections



10

Incident Energy (MeV)

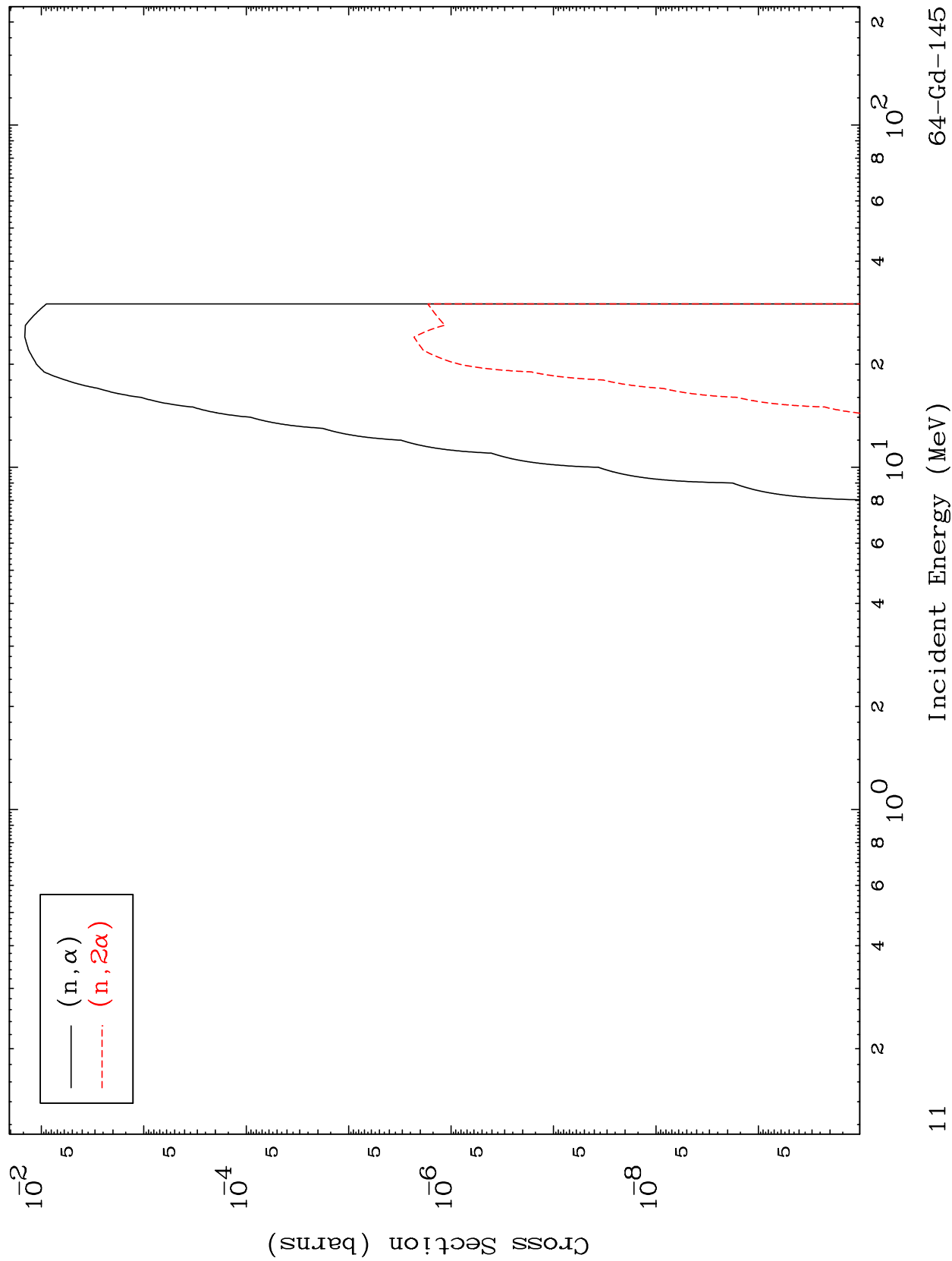
64-Gd-145

MAT 6404

(He-3, α) Levels

64-Gd-145

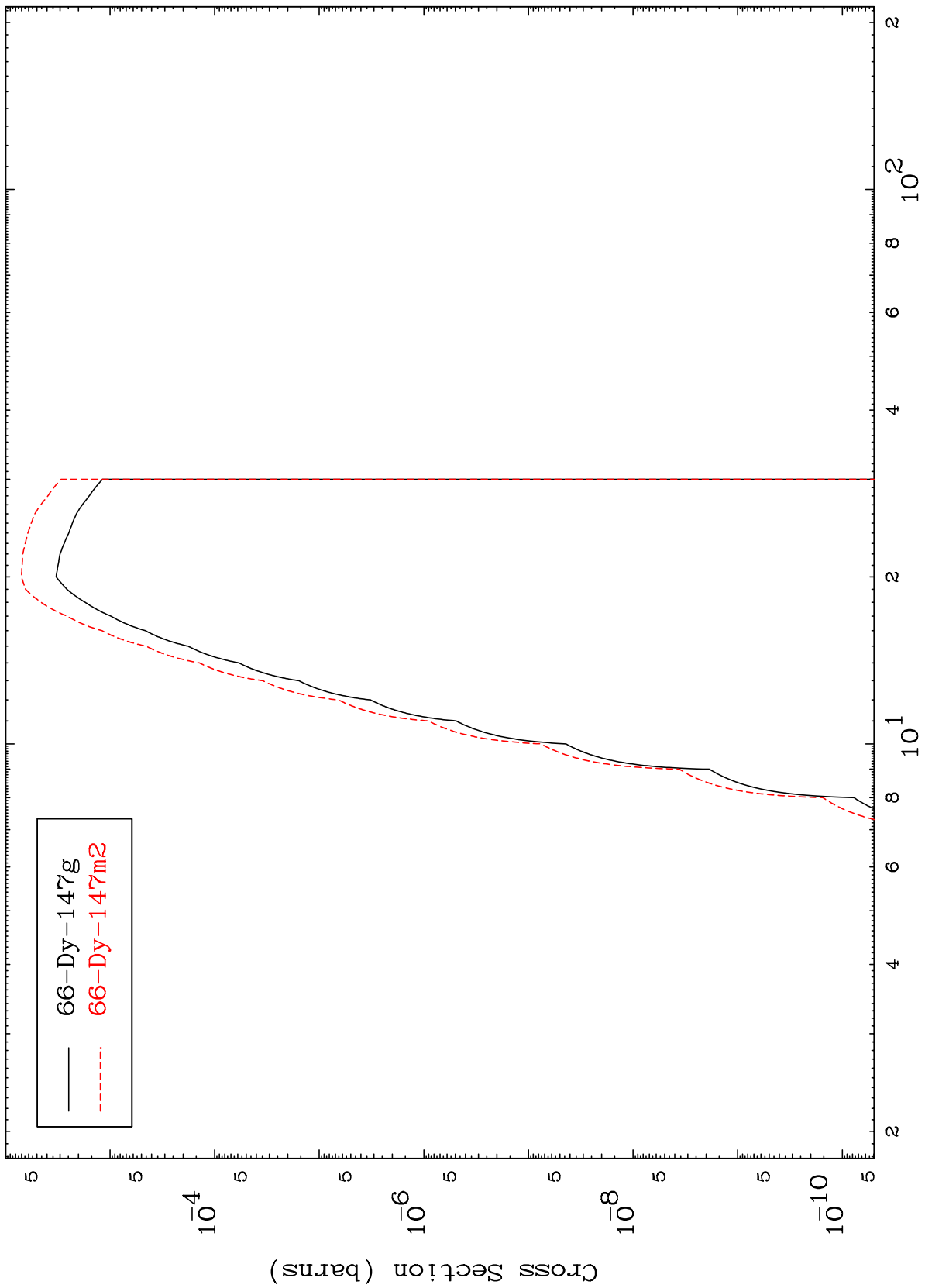
0 Kelvin Cross Sections



MAT 6404

64-Gd-145

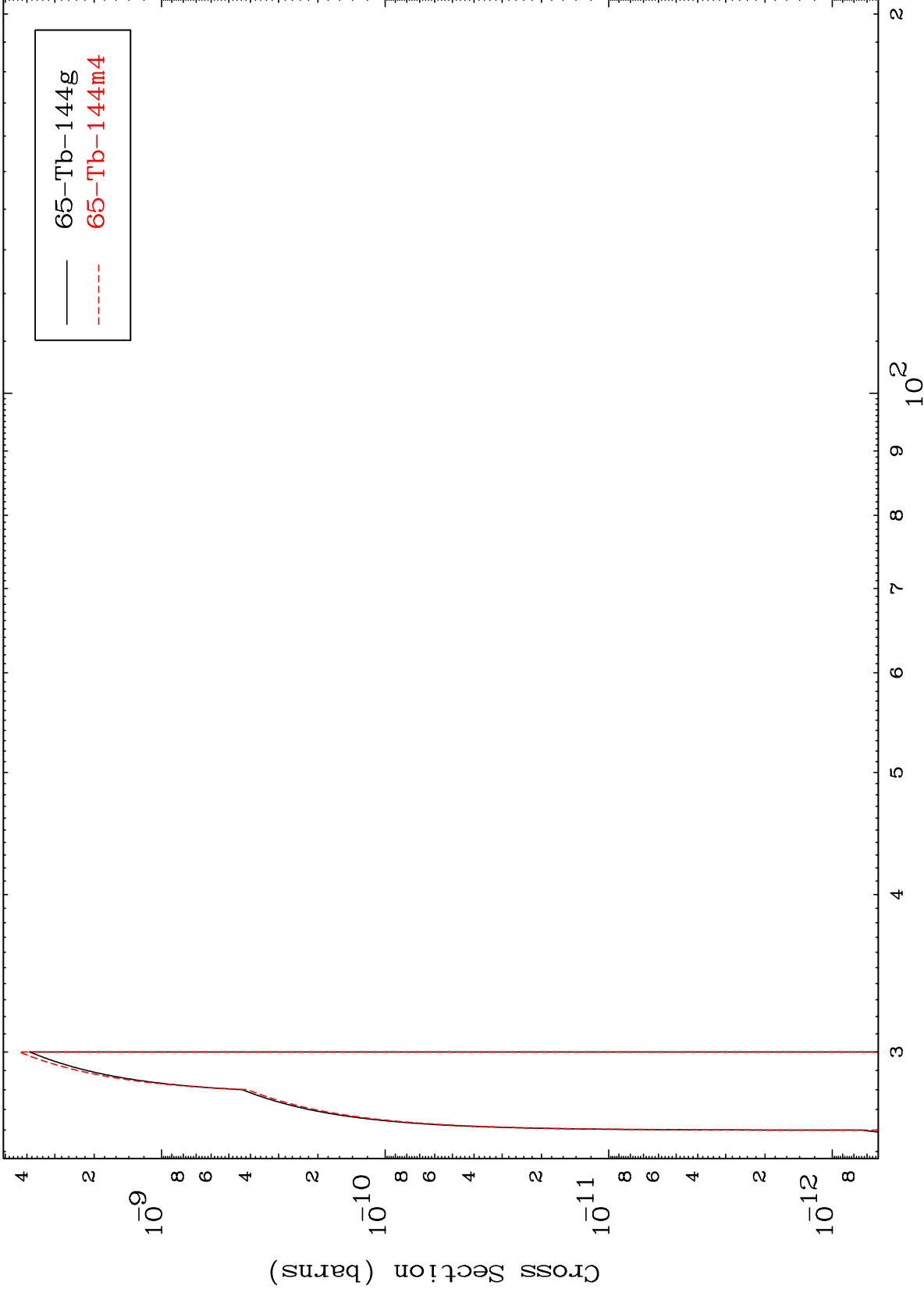
Radionuclide Production Cross Section



12

64-Gd-145

Radionuclide Production Cross Section

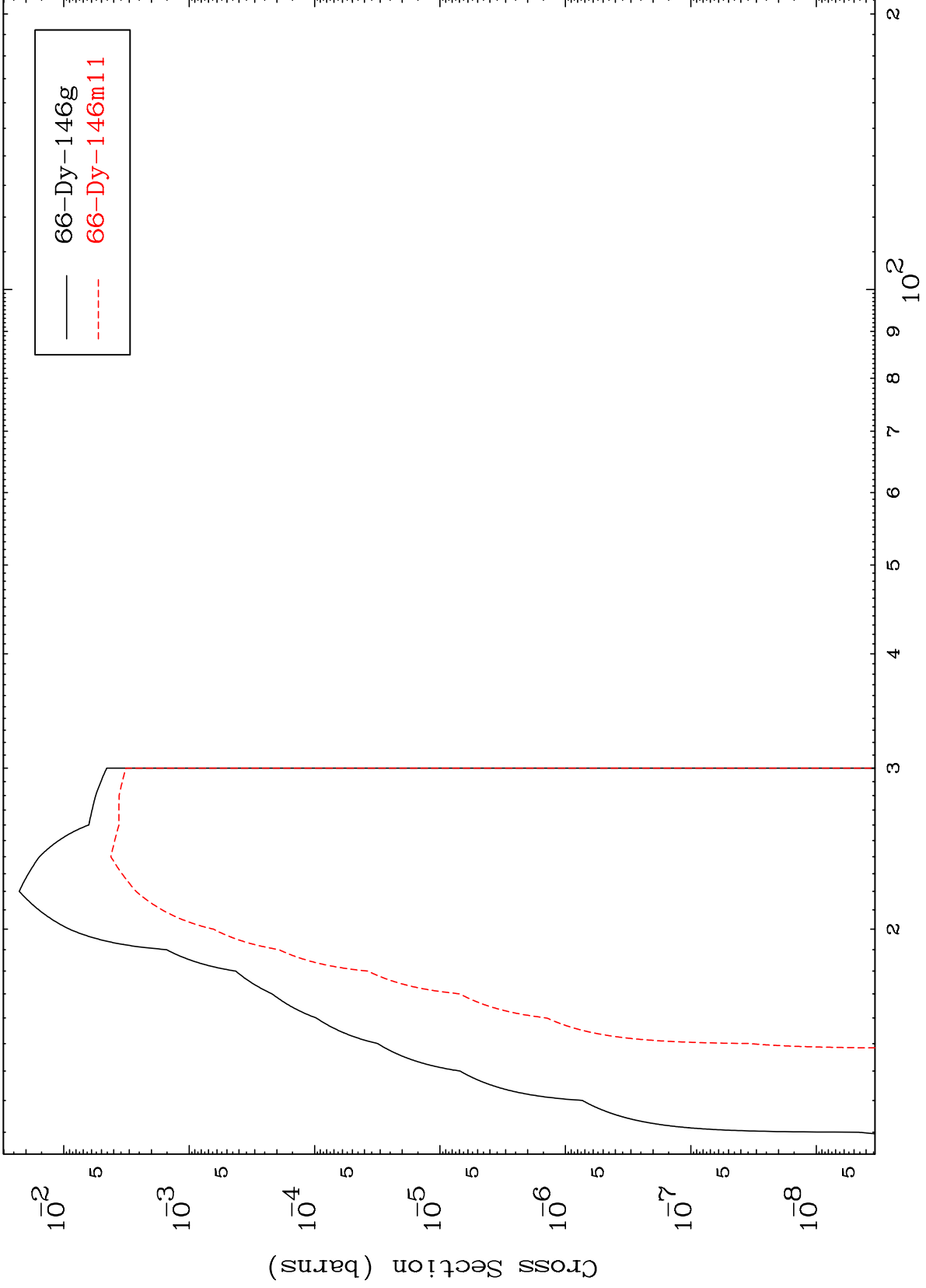


MAT 6404

(n,2n)

64-Gd-145

Radionuclide Production Cross Section



14

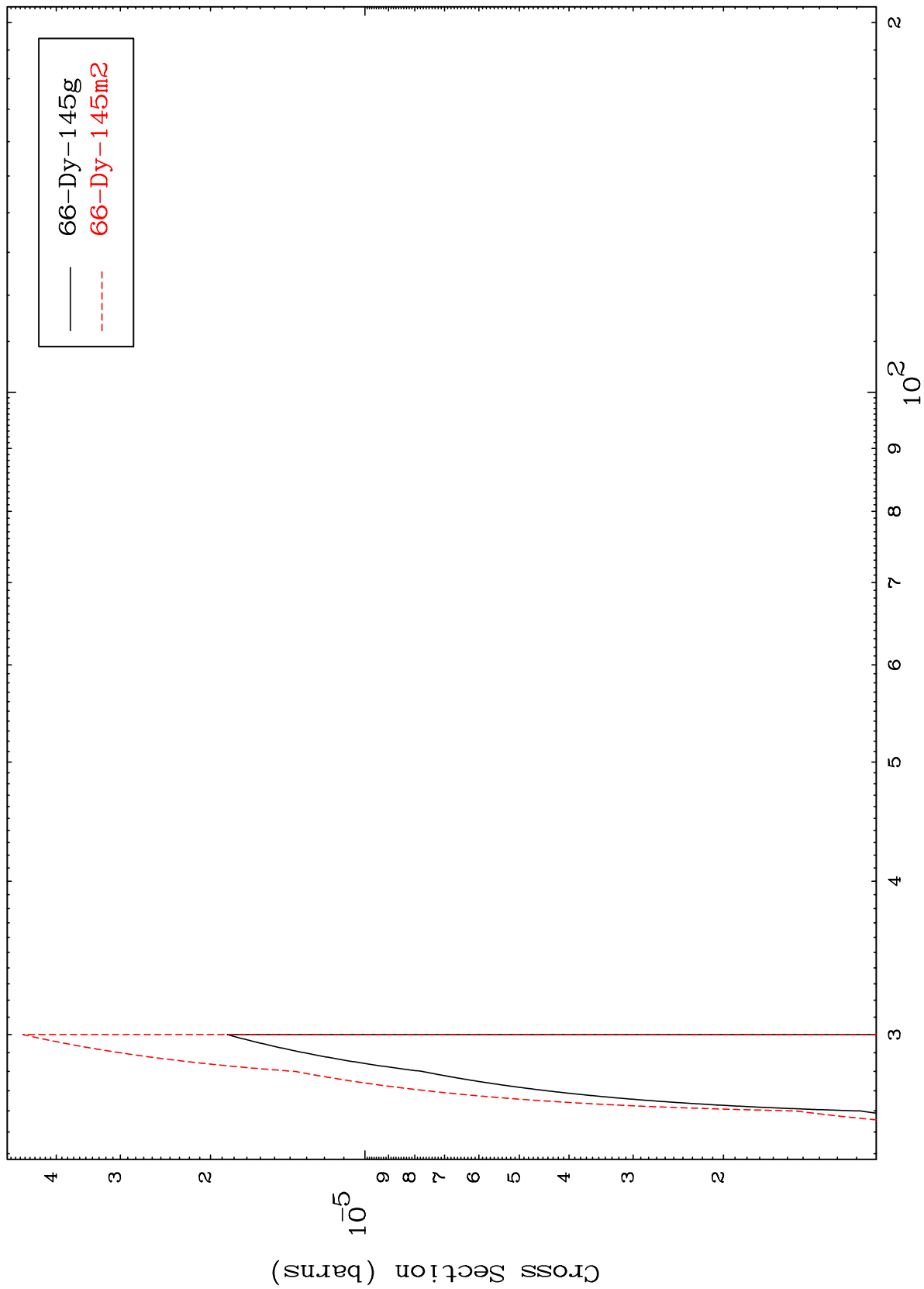
Incident Energy (MeV)

64-Gd-145

MAT 6404

64-Gd-145

(n,3n)
Radionuclide Production Cross Section



64-Gd-145

Incident Energy (MeV)

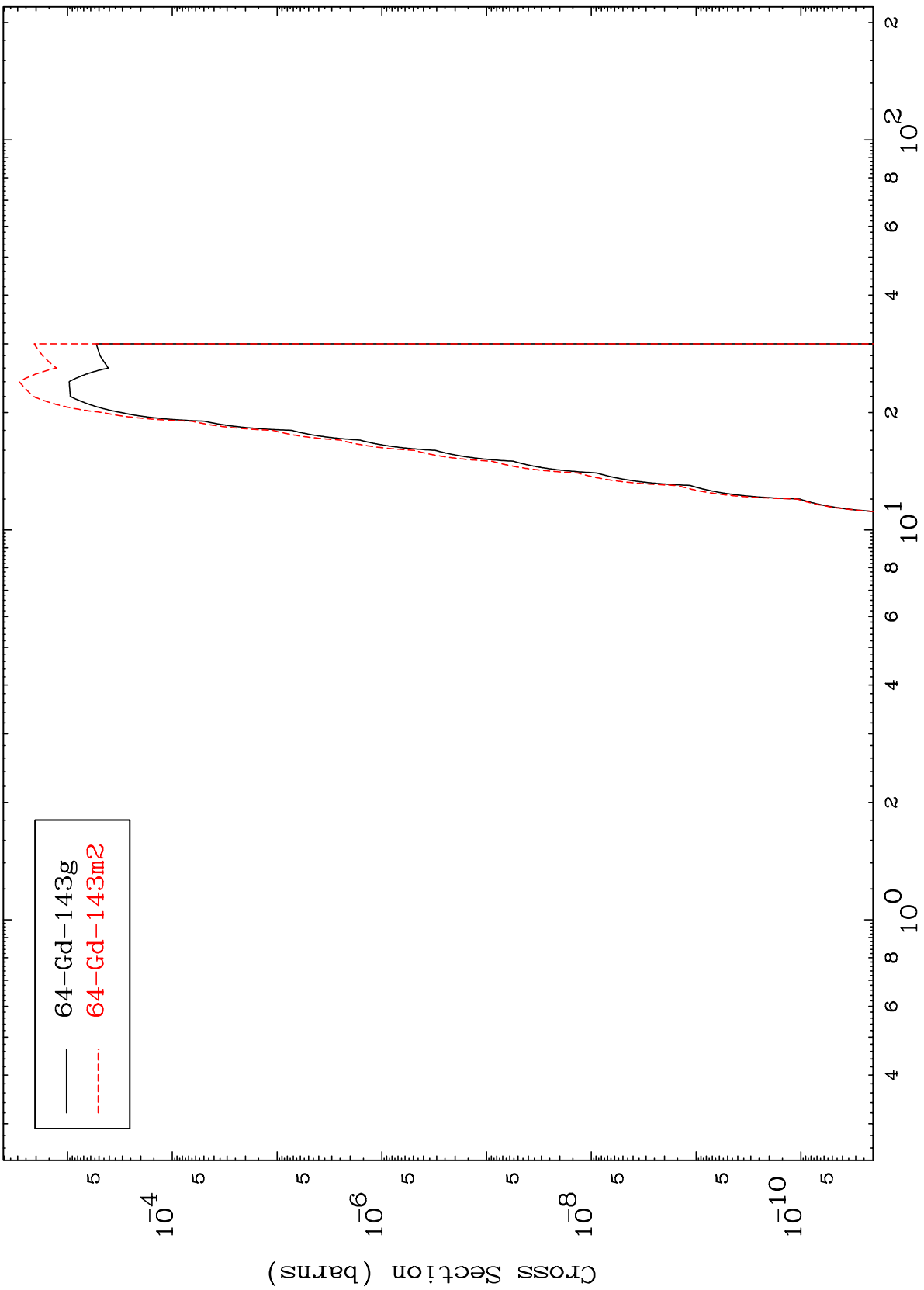
15

MAT 6404

$(n, n') \alpha$

64-Gd-145

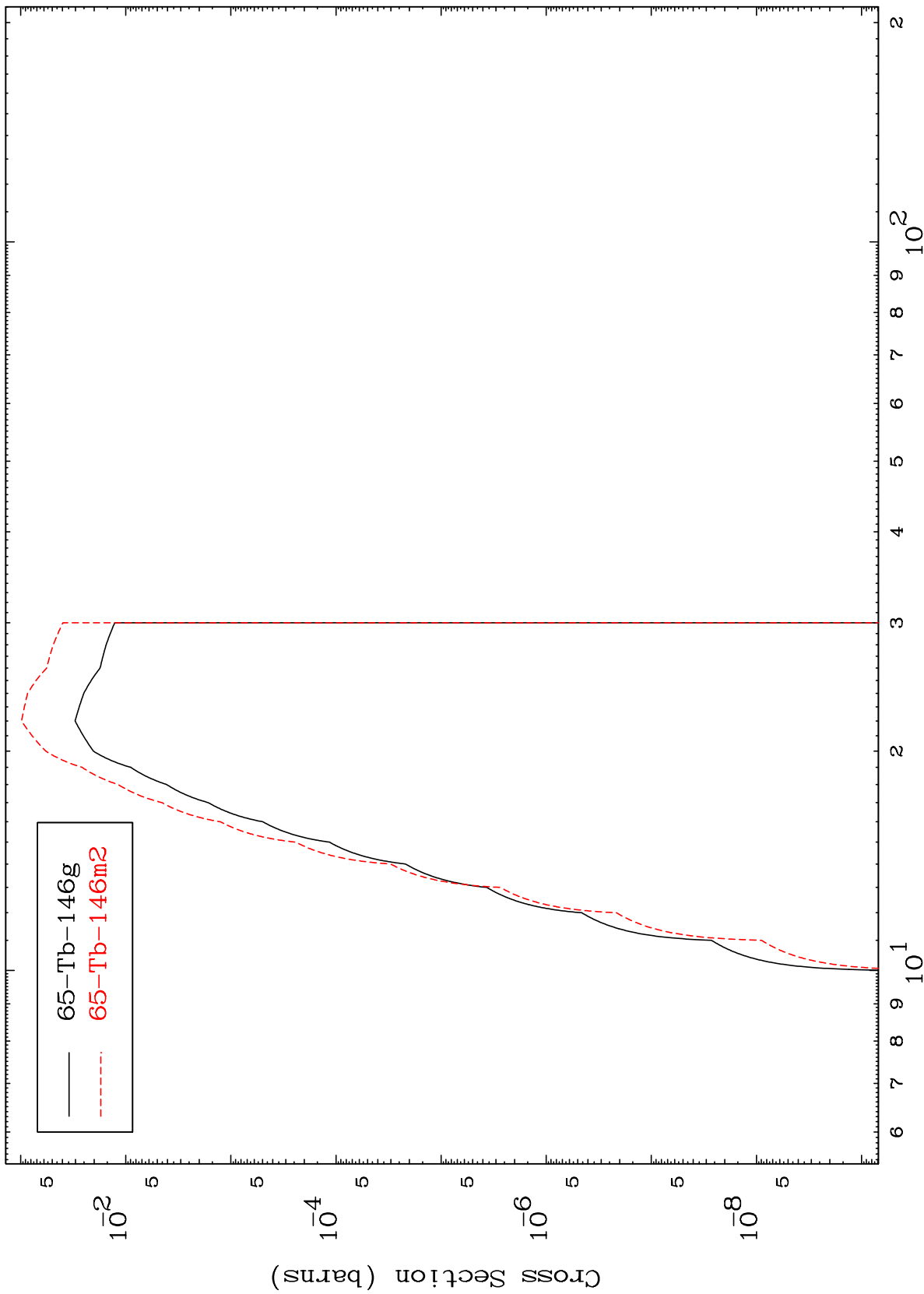
Radionuclide Production Cross Section



MAT 6404

64-Gd-145

(n,n') p
Radionuclide Production Cross Section



17

Incident Energy (MeV)

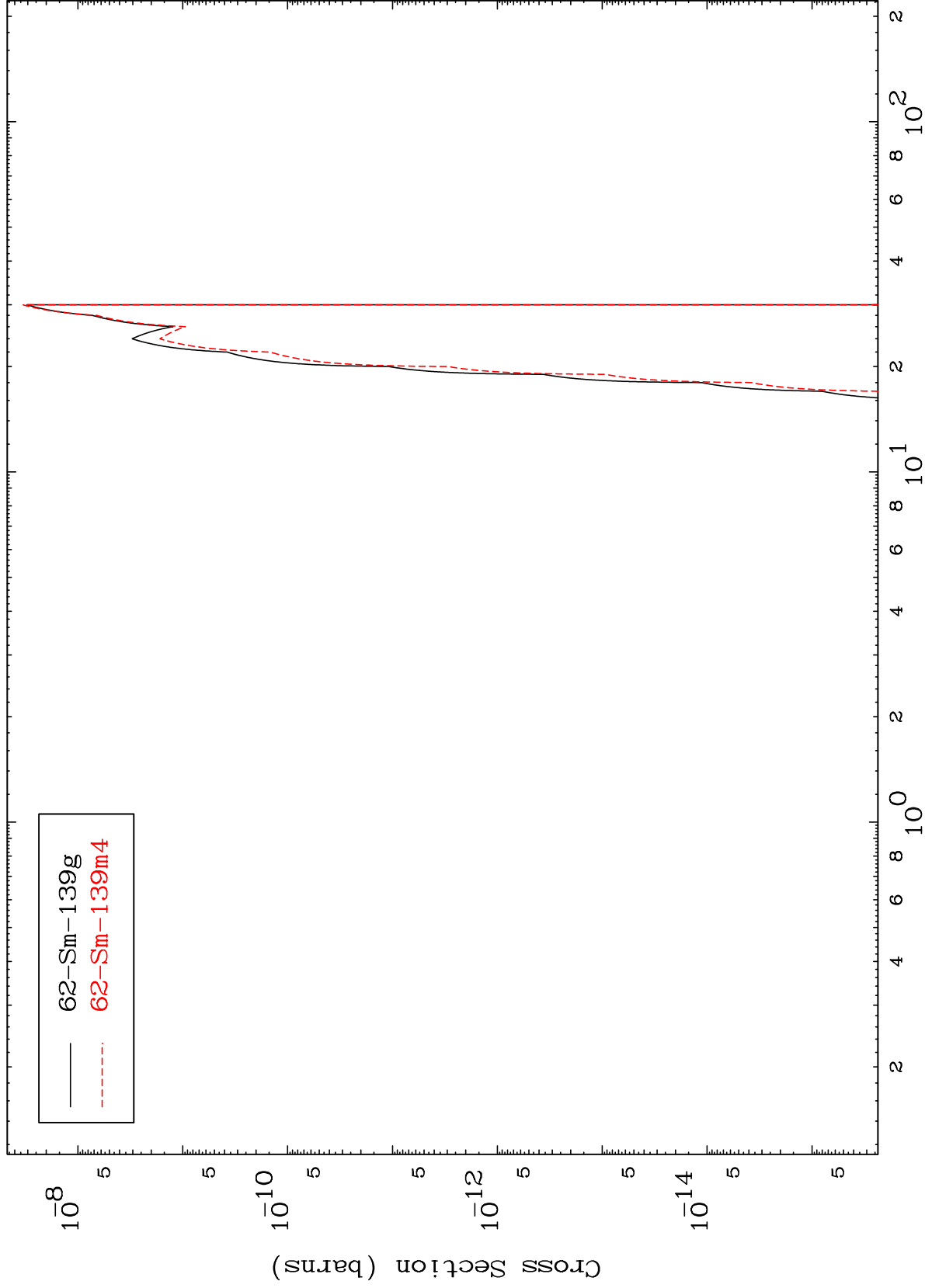
64-Gd-145

MAT 6404

(n,n') 2 α

64-Gd-145

Radionuclide Production Cross Section



18

Incident Energy (MeV)

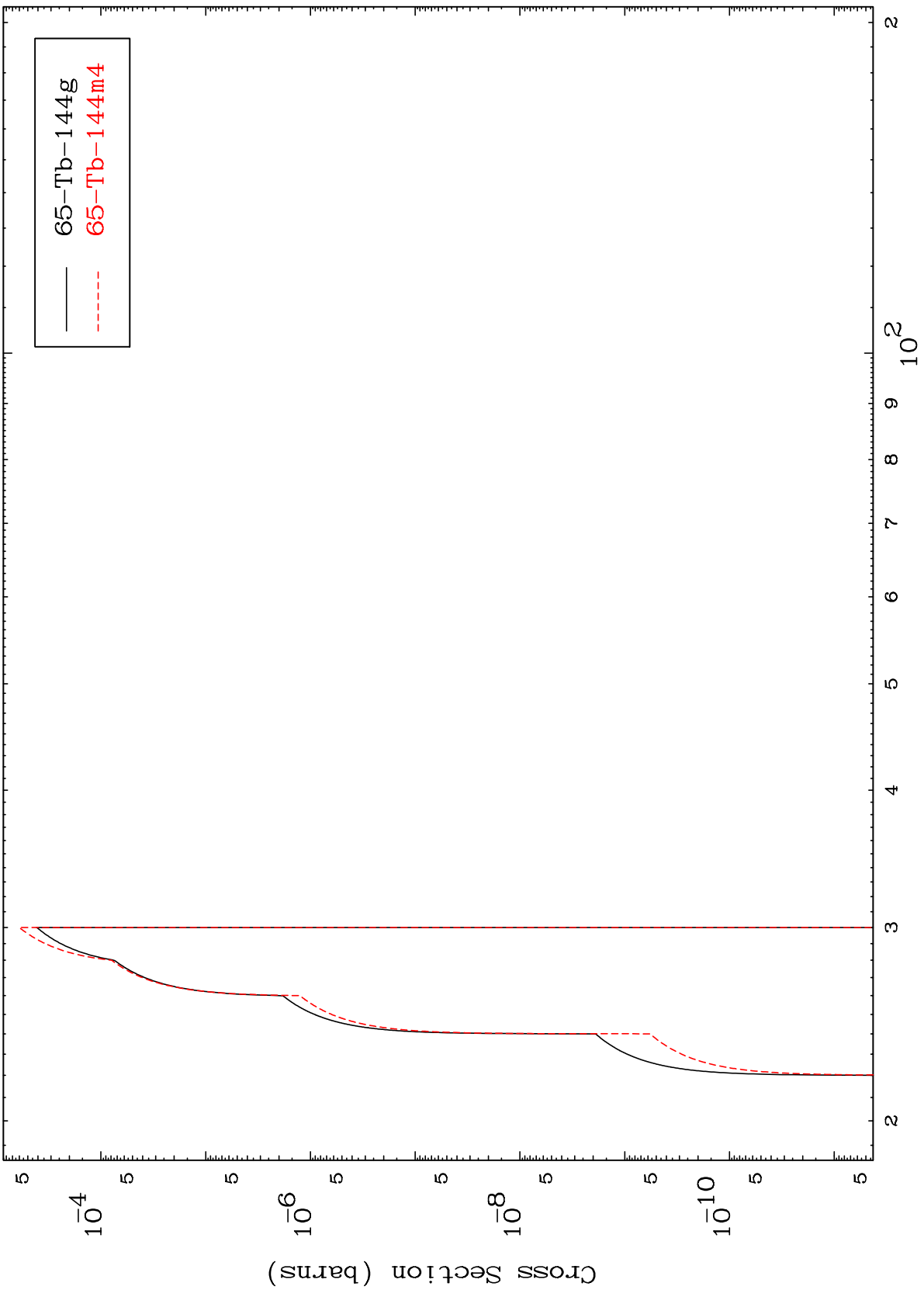
64-Gd-145

MAT 6404

(n,n') t

64-Gd-145

Radionuclide Production Cross Section



19

Incident Energy (MeV)

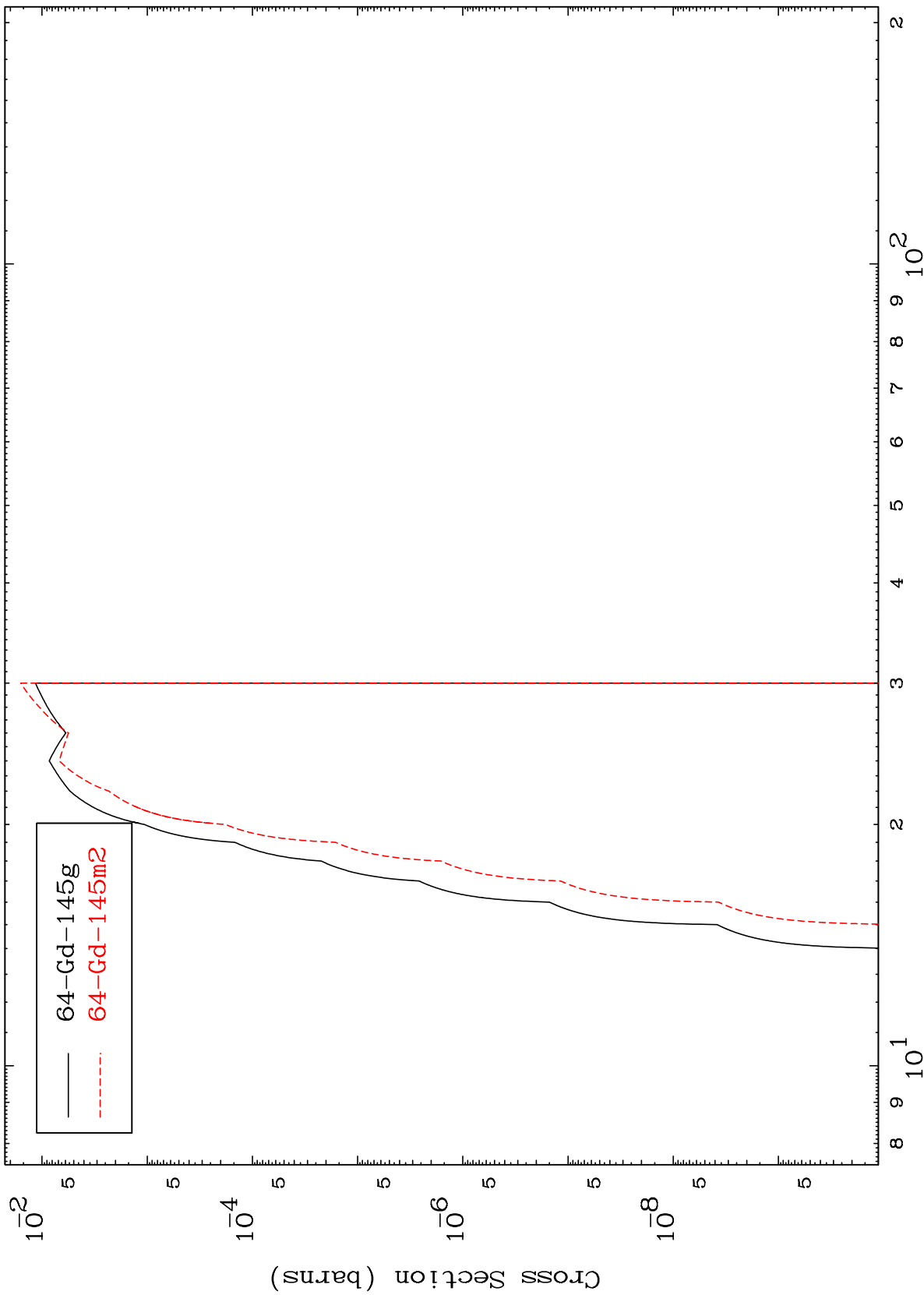
64-Gd-145

MAT 6404

(n,2n) p

64-Gd-145

Radionuclide Production Cross Section



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

Incident Energy (MeV)

64-Gd-145

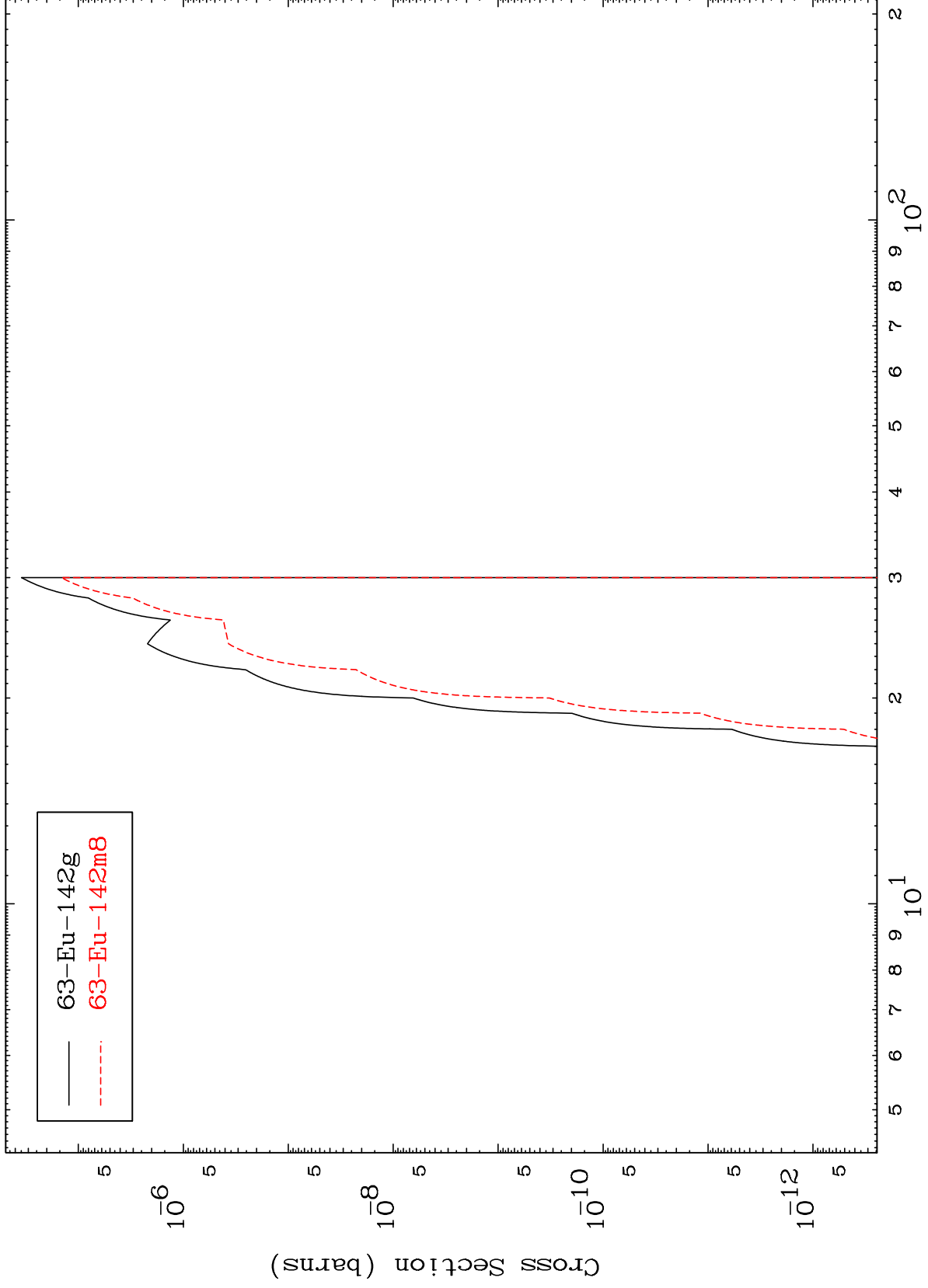
20

MAT 6404

(n,n') p α

64-Gd-145

Radionuclide Production Cross Section



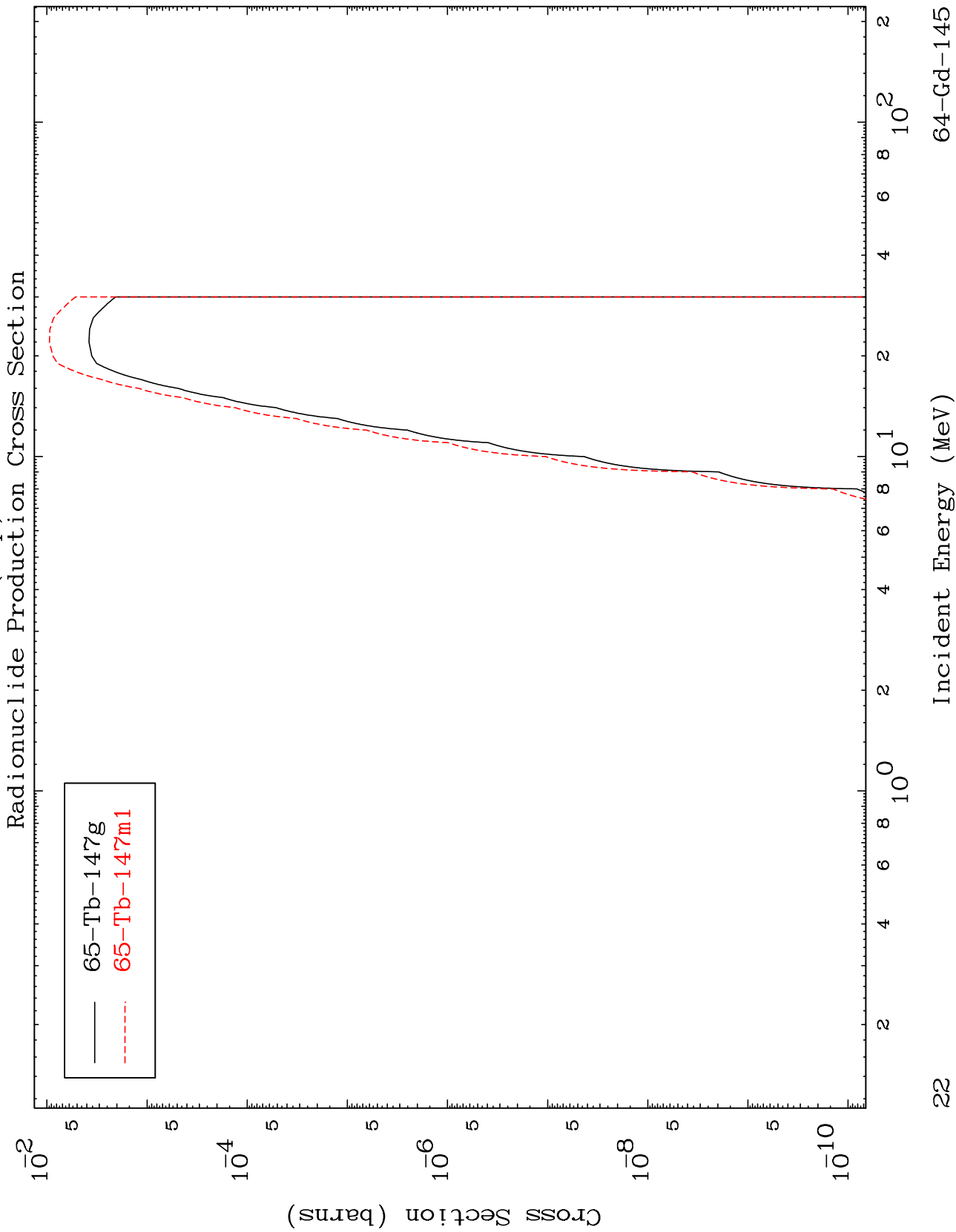
21

Incident Energy (MeV)

64-Gd-145

MAT 6404

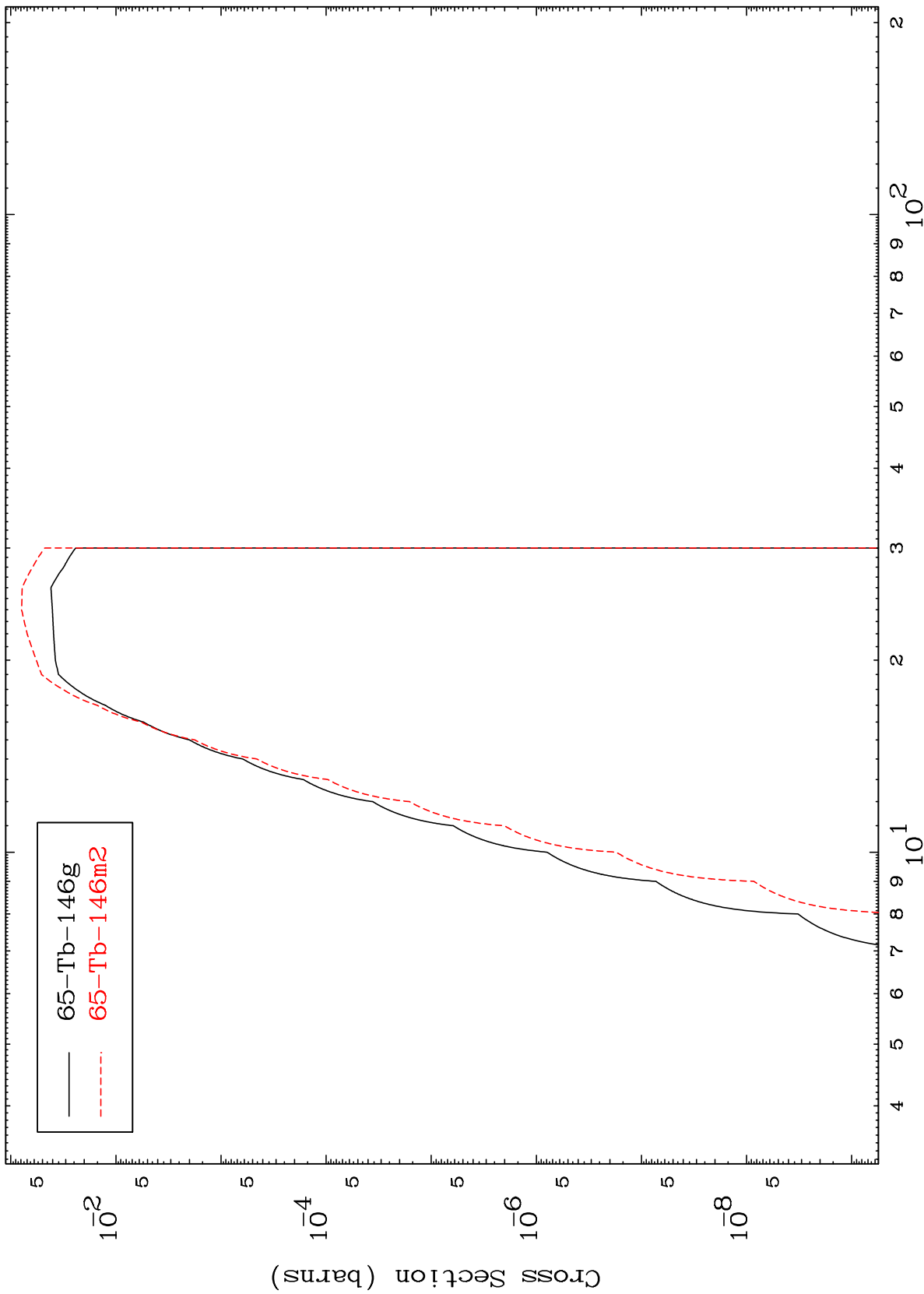
64-Gd-145



MAT 6404

64-Gd-145

(n,d)
Radionuclide Production Cross Section



64-Gd-145

Incident Energy (MeV)

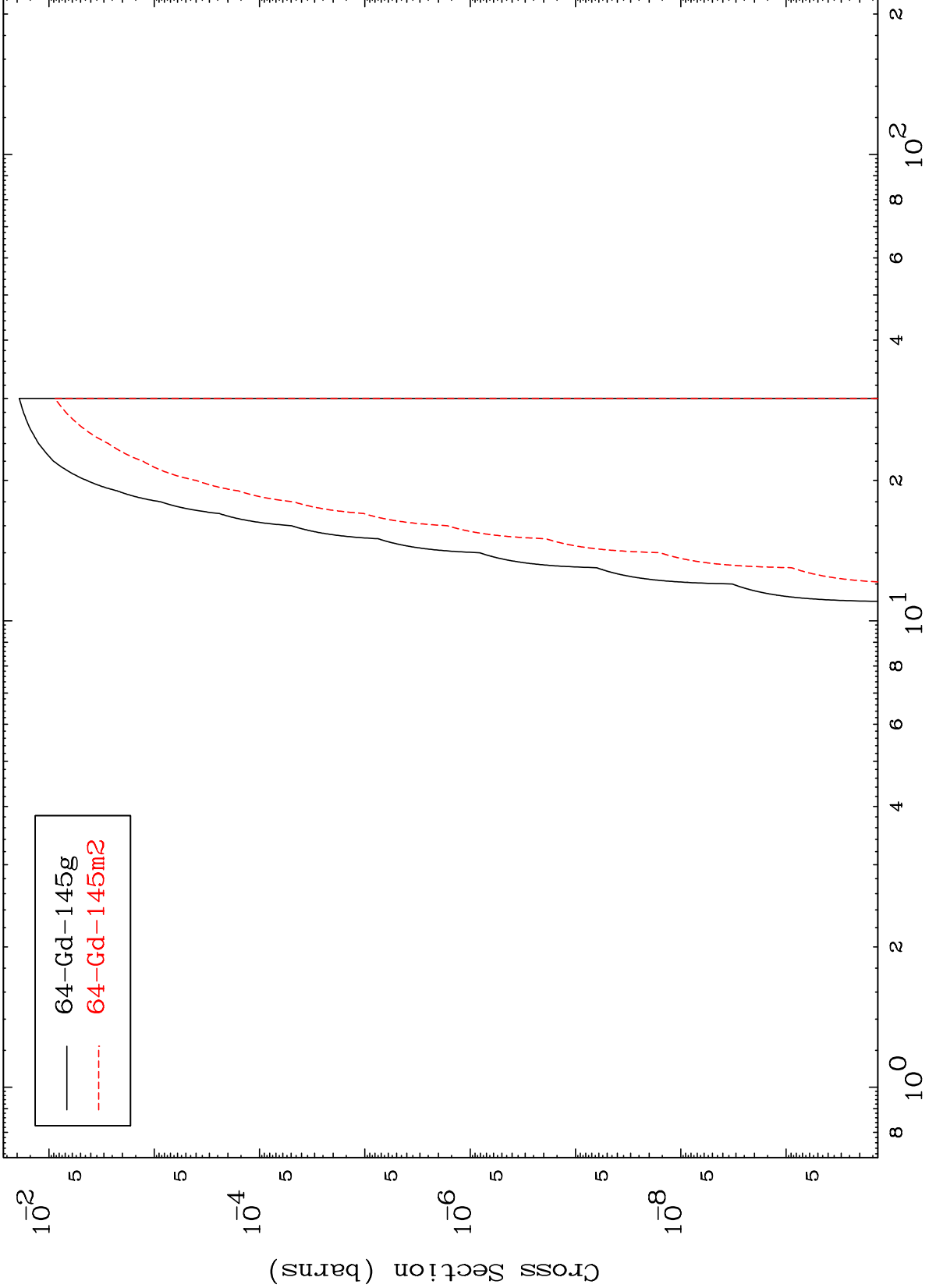
23

MAT 6404

(n,He-3)

64-Gd-145

Radionuclide Production Cross Section



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

24

Incident Energy (MeV)

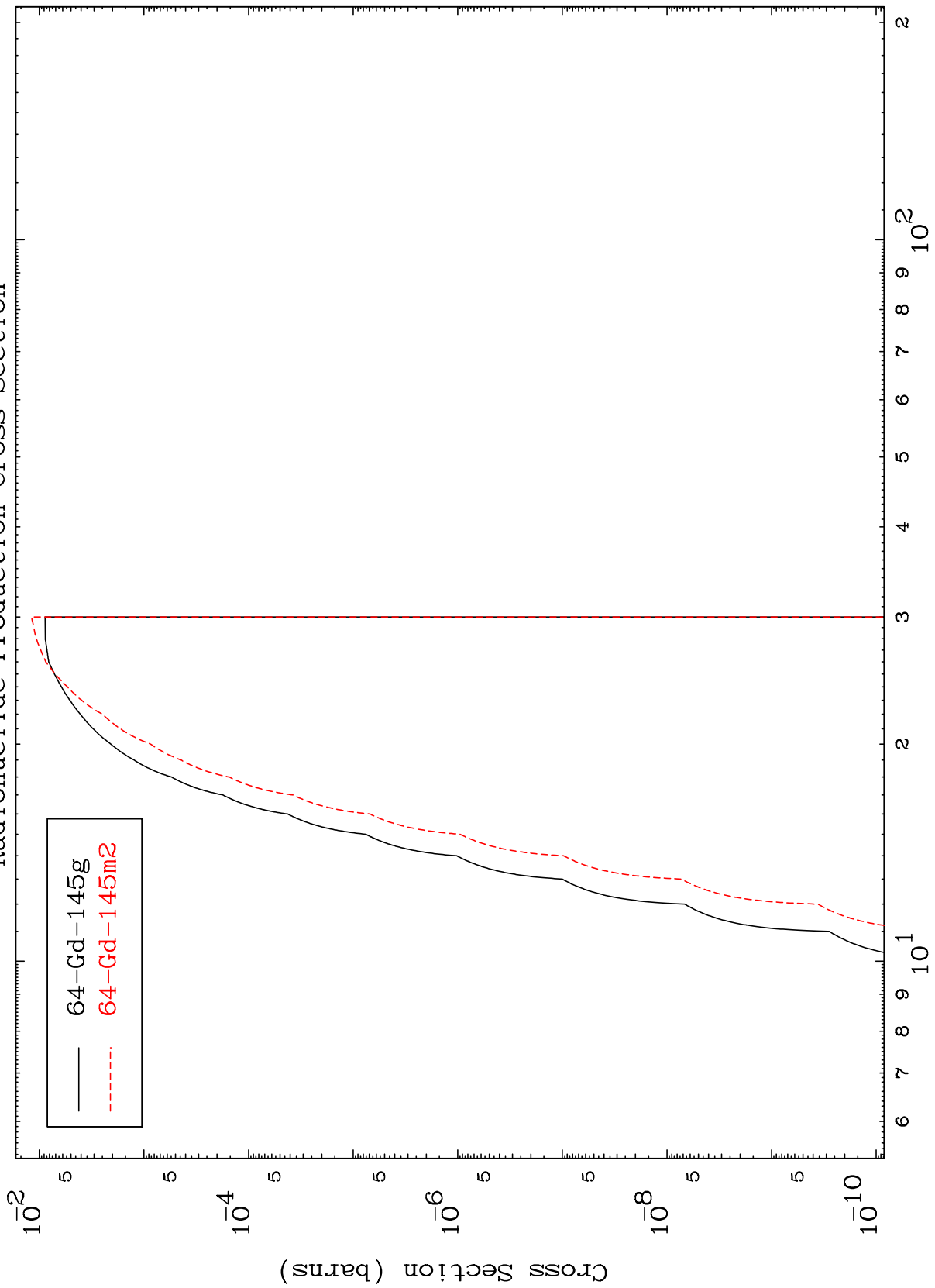
64-Gd-145

MAT 6404

(n,p) d

64-Gd-145

Radionuclide Production Cross Section



25

Incident Energy (MeV)

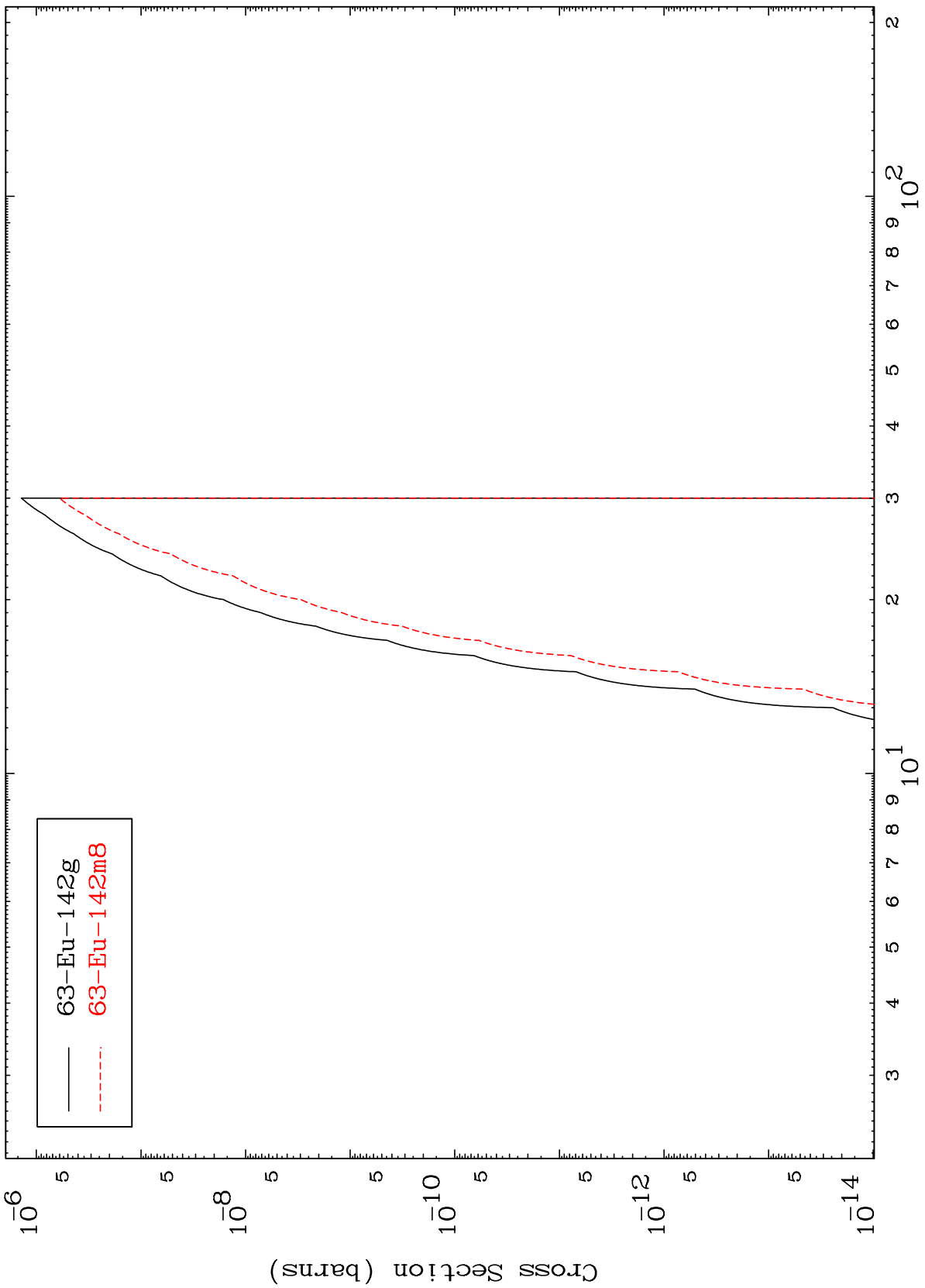
64-Gd-145

MAT 6404

(n,d) α

64-Gd-145

Radionuclide Production Cross Section



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

Incident Energy (MeV)

64-Gd-145

26