

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

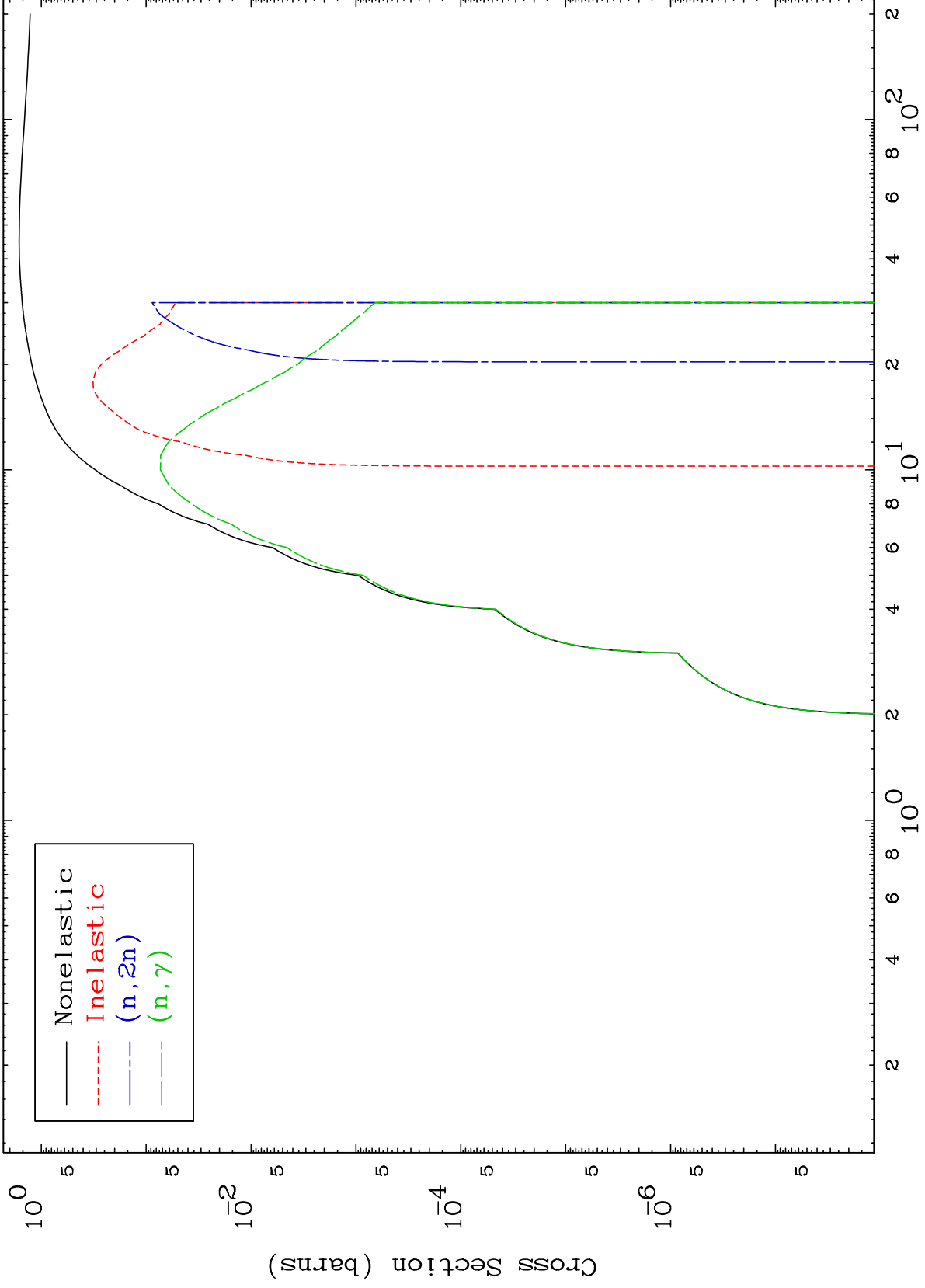
Press Mouse Button to Start

MAT 6401

Proton Major

0 Kelvin Cross Sections

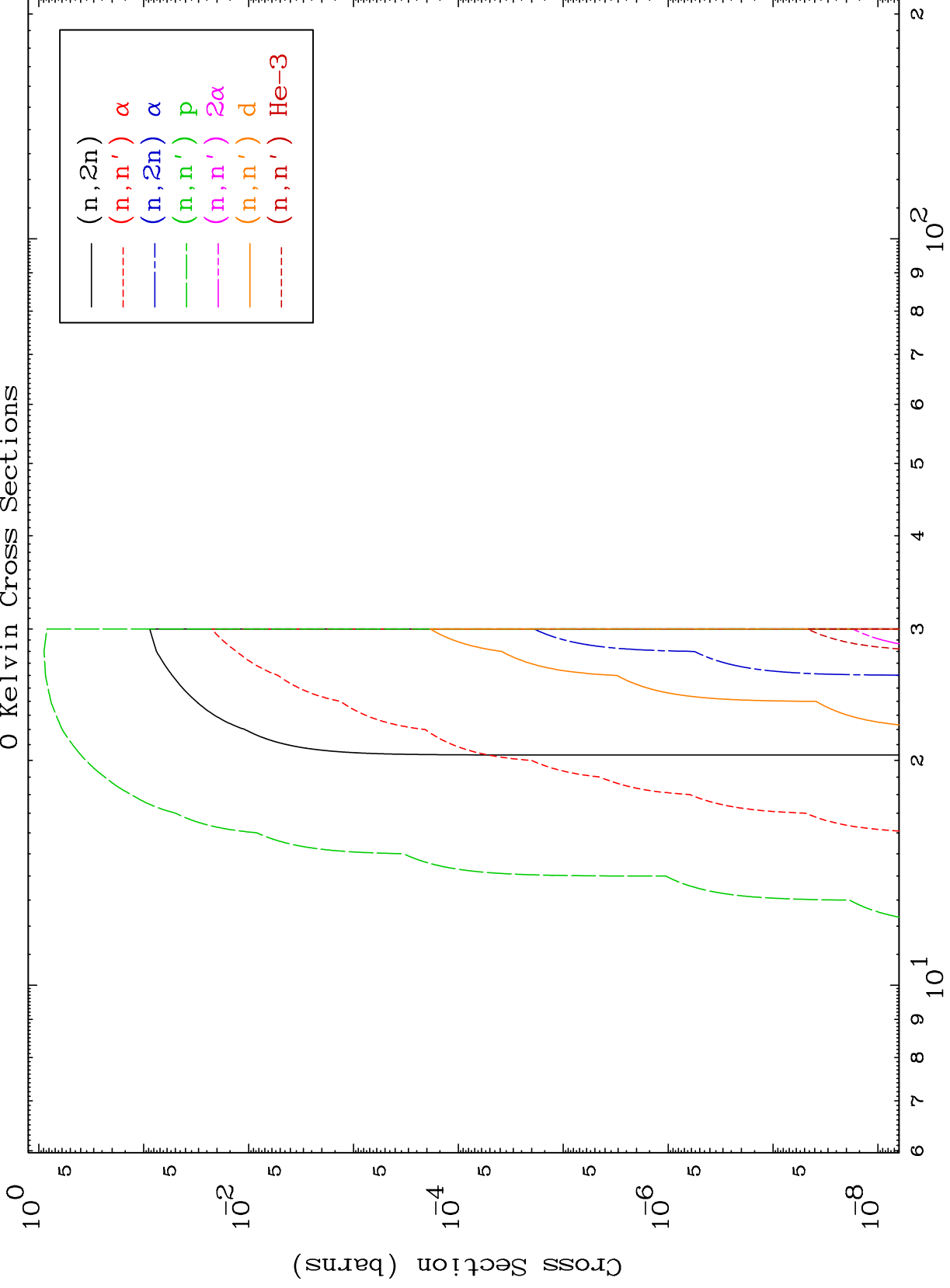
64-Gd-144



MAT 6401

Proton Neutron Absorption
0 Kelvin Cross Sections

64-Gd-144



2

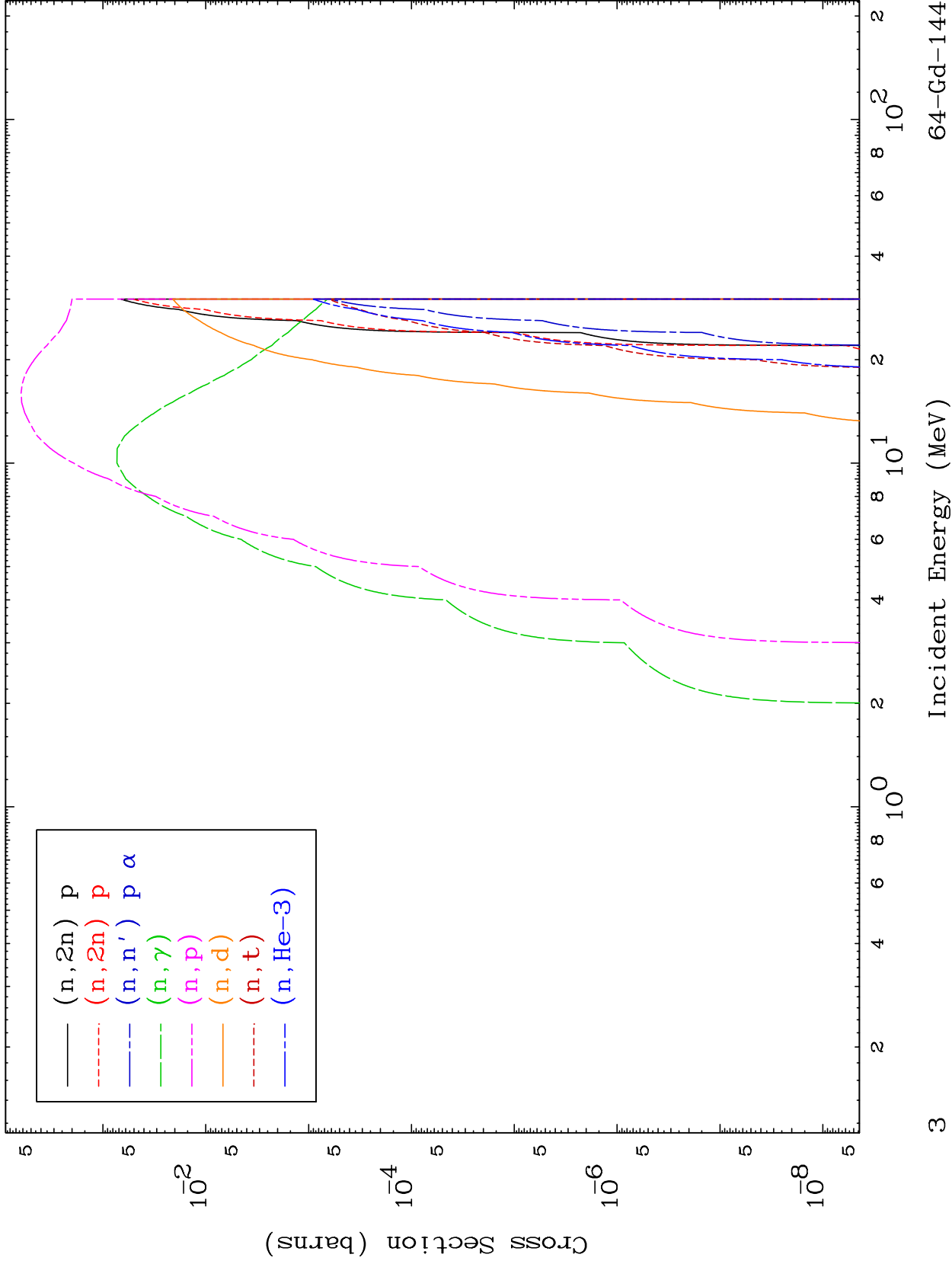
Incident Energy (MeV)

64-Gd-144

MAT 6401

Proton Neutron Absorption
0 Kelvin Cross Sections

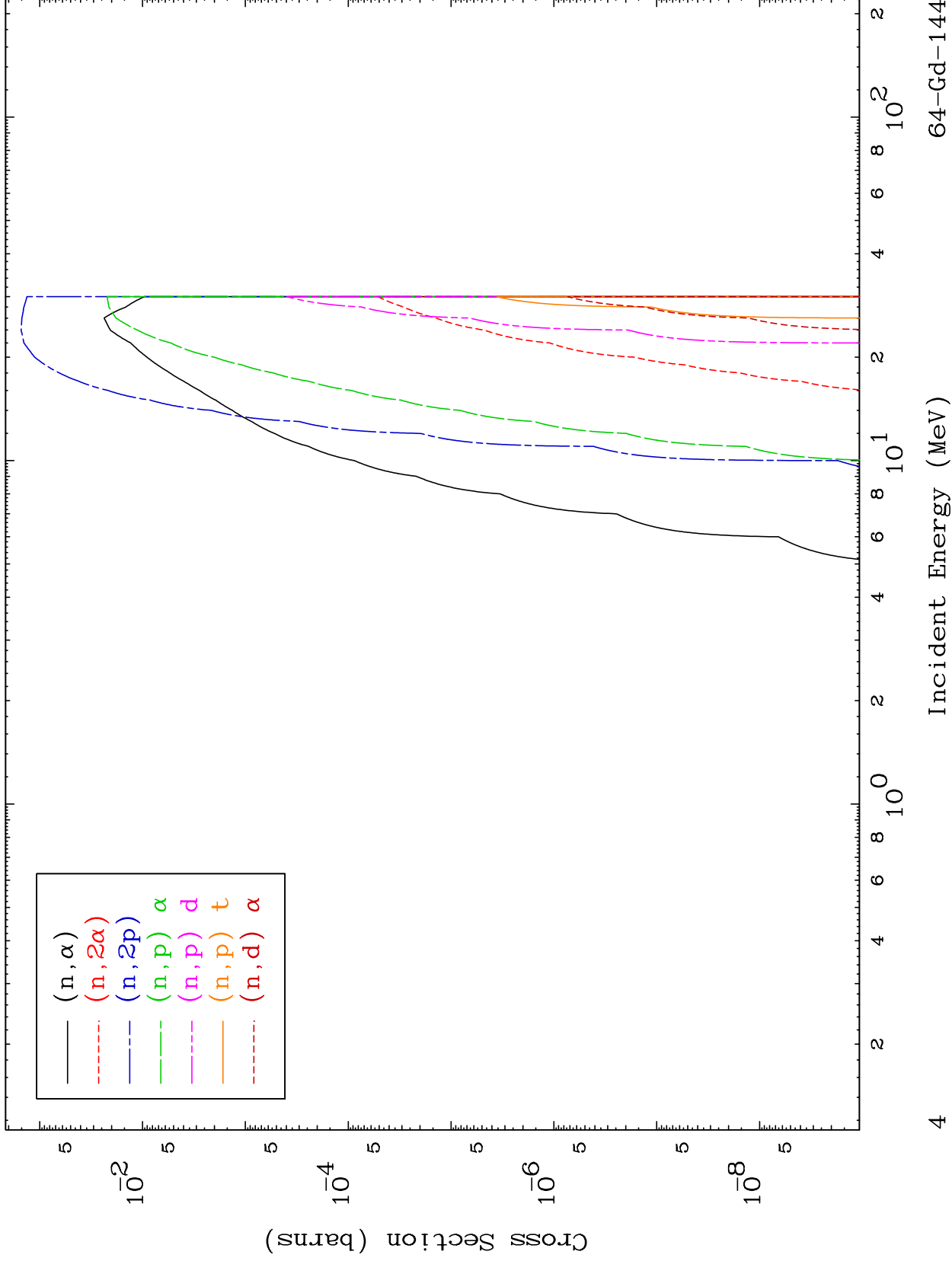
64-Gd-144



MAT 6401

Proton Neutron Absorption
0 Kelvin Cross Sections

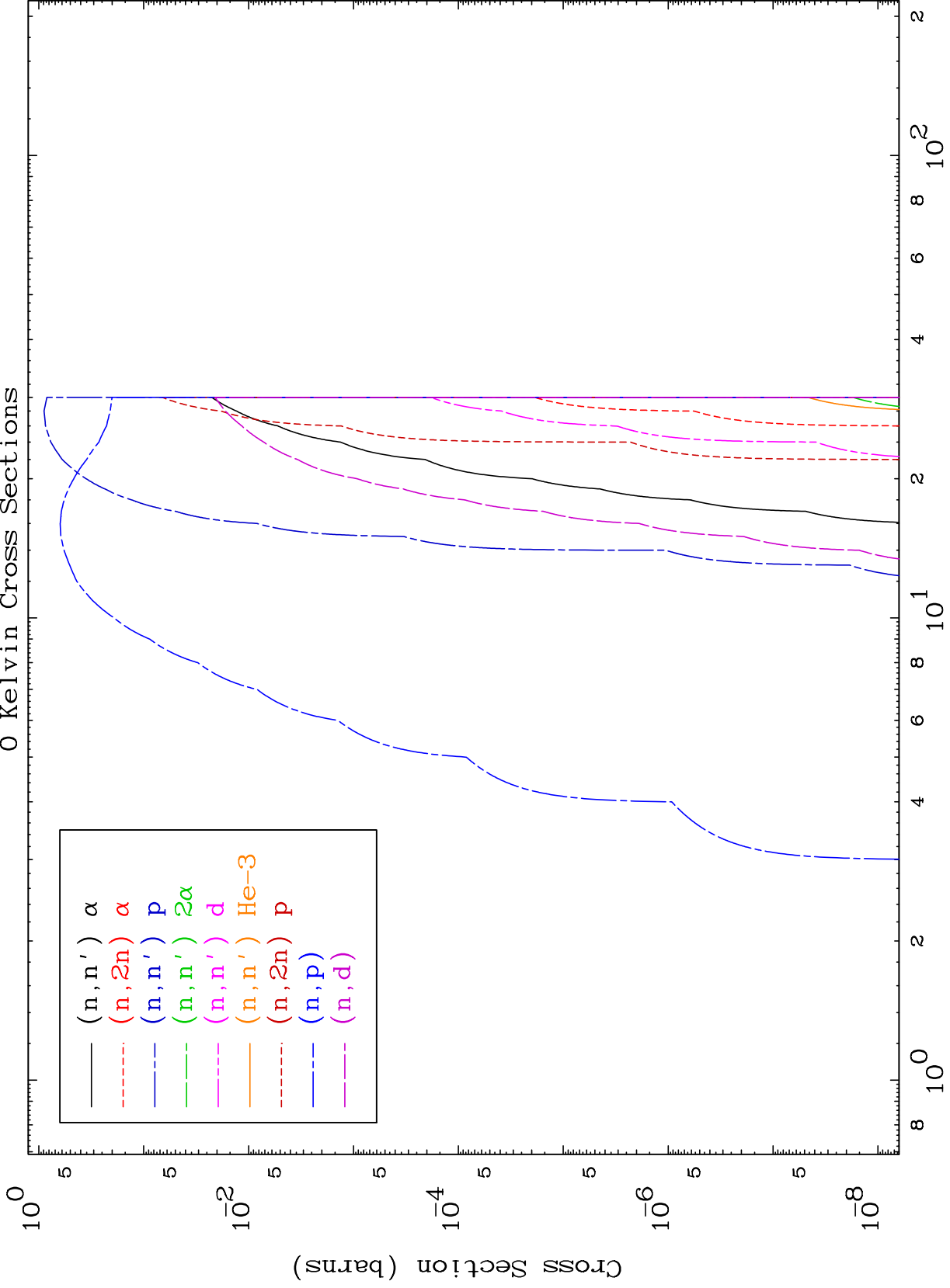
64-Gd-144



MAT 6401

Proton Charged Particle
0 Kelvin Cross Sections

64-Gd-144



5

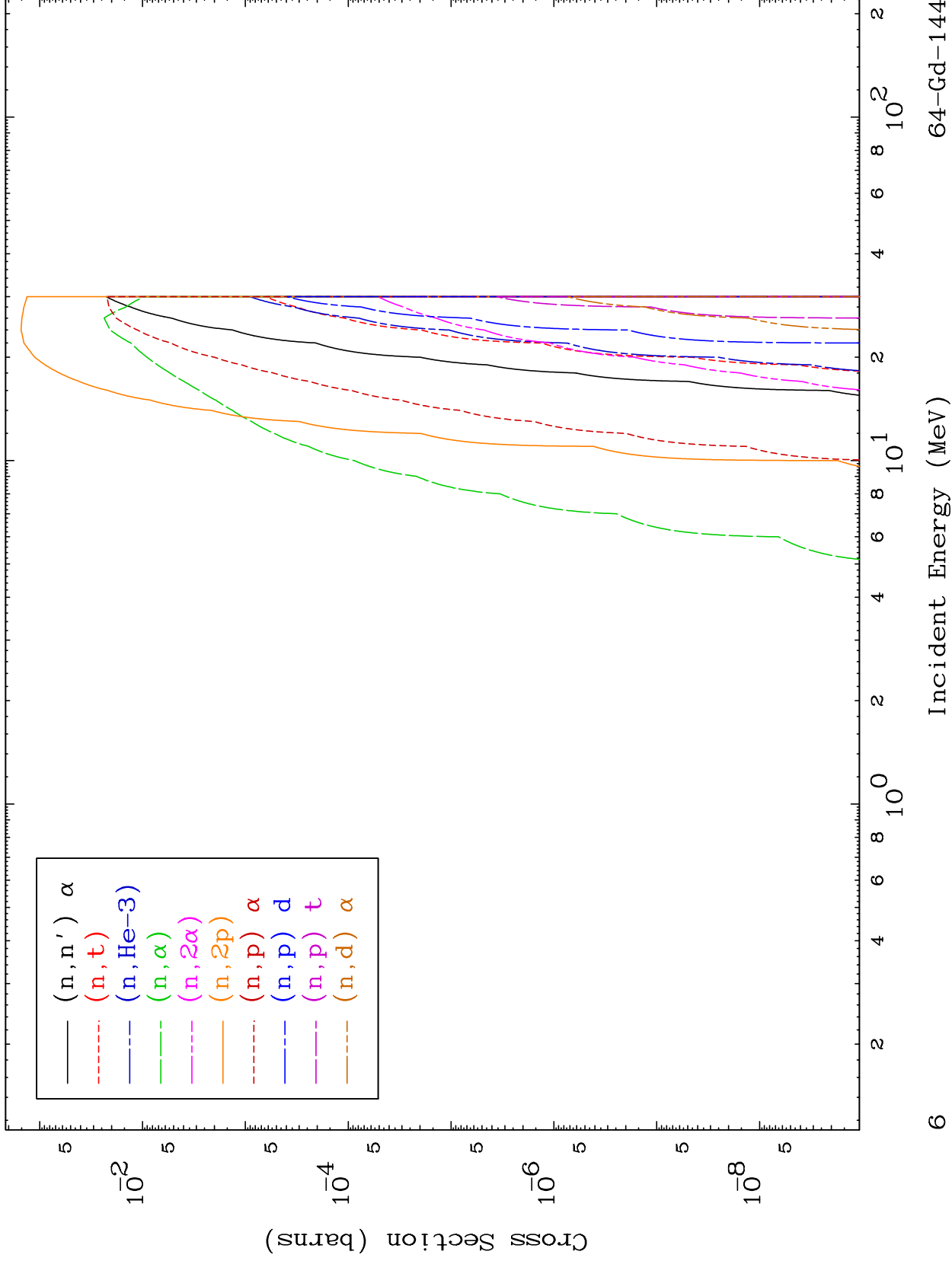
Incident Energy (MeV)

64-Gd-144

MAT 6401

Proton Charged Particle
0 Kelvin Cross Sections

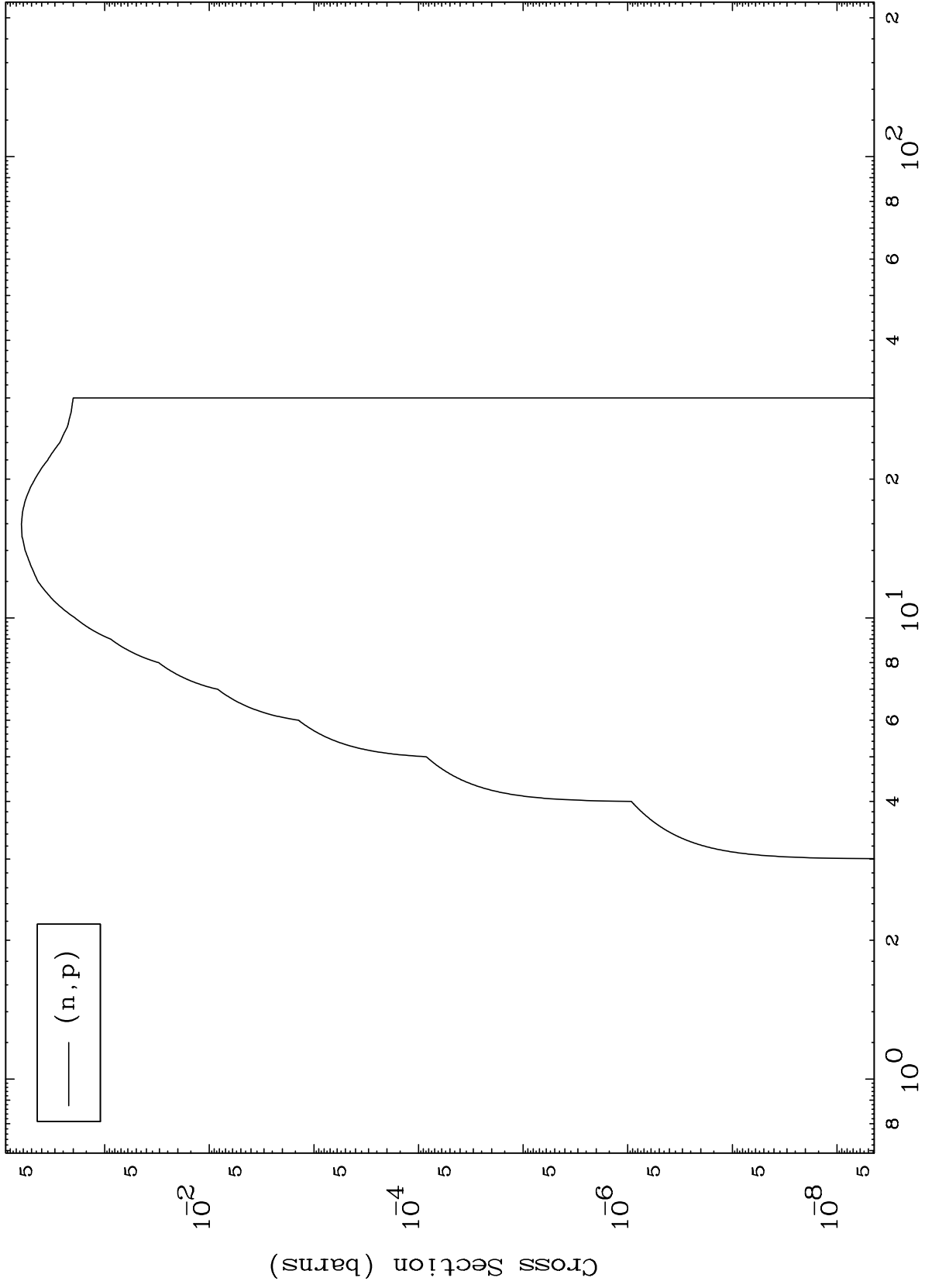
64-Gd-144



MAT 6401

64-Gd-144

(p,p) Levels
0 Kelvin Cross Sections



7

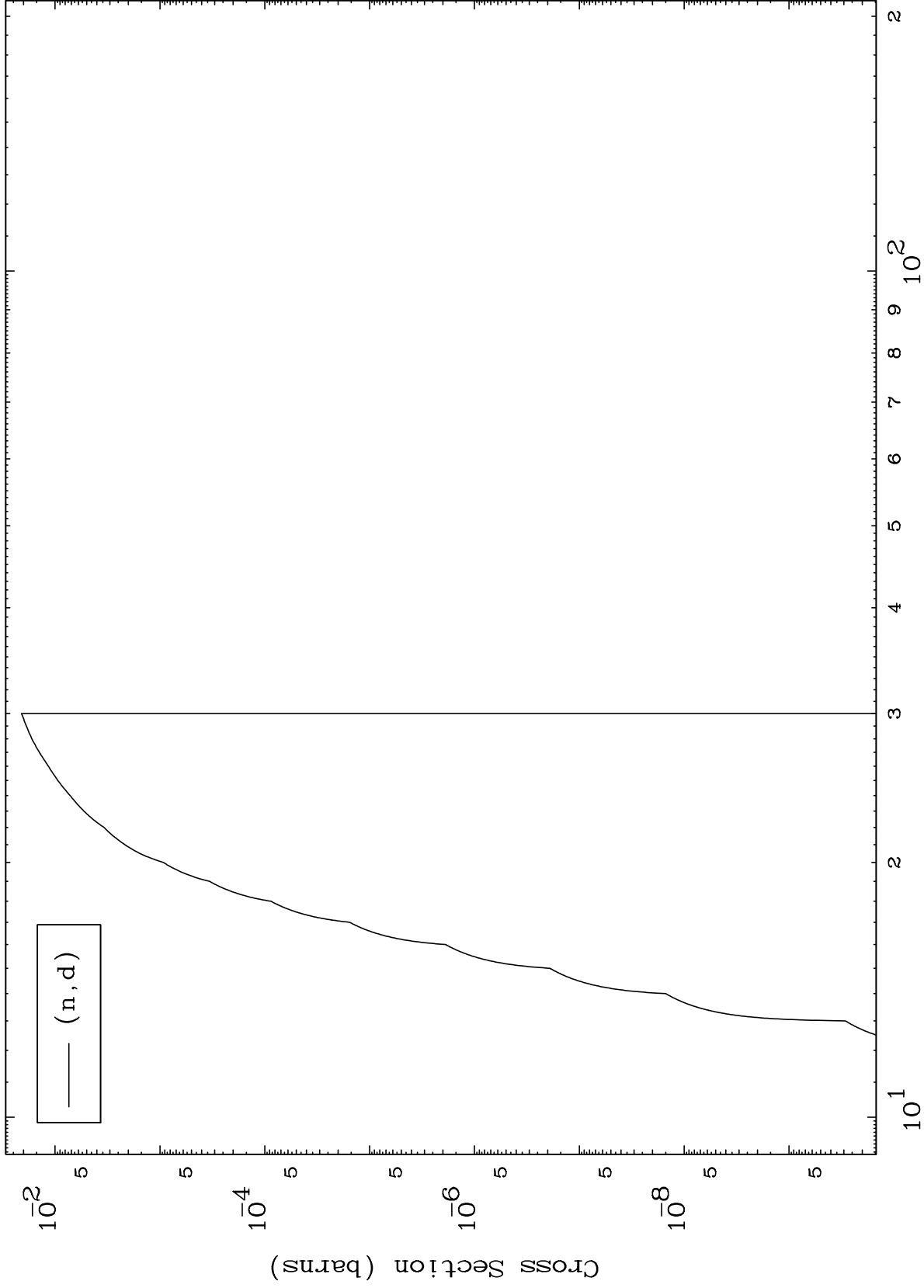
Incident Energy (MeV)

64-Gd-144

MAT 6401

(p,d) Levels
0 Kelvin Cross Sections

64-Gd-144



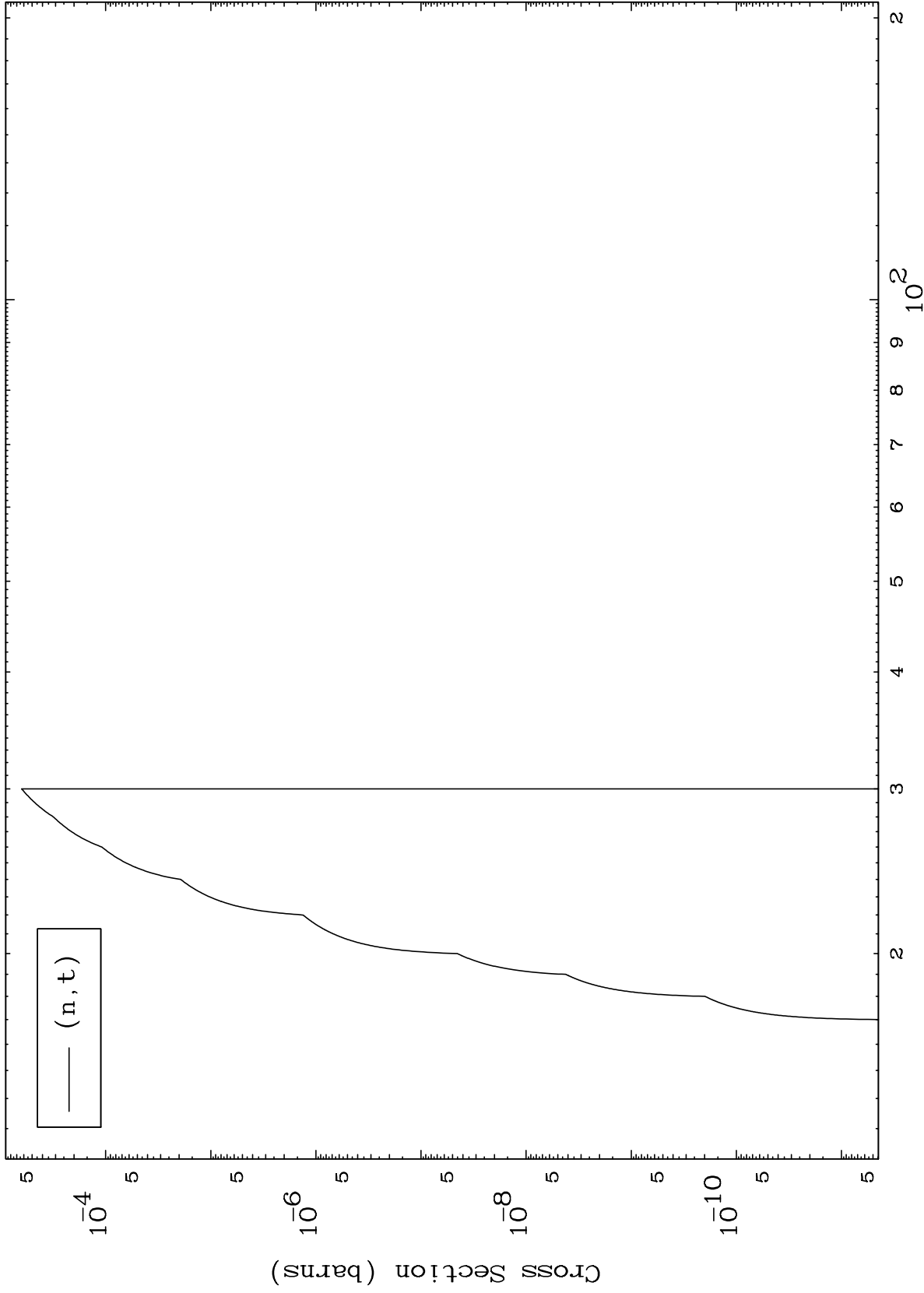
Incident Energy (MeV)

64-Gd-144

MAT 6401

(p, t) Levels
0 Kelvin Cross Sections

64-Gd-144



9

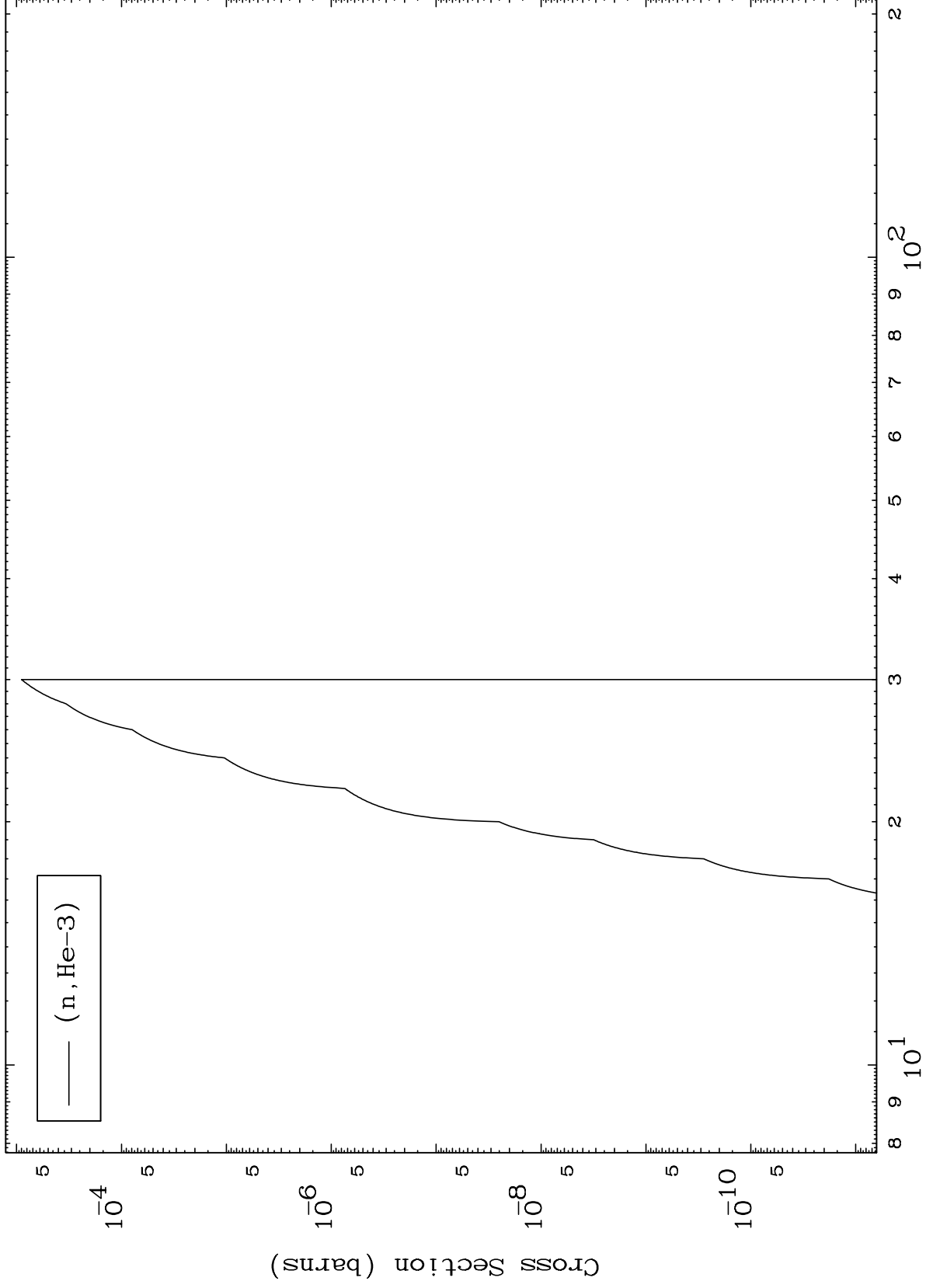
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

(p,He3) Levels
0 Kelvin Cross Sections



64-Gd-144

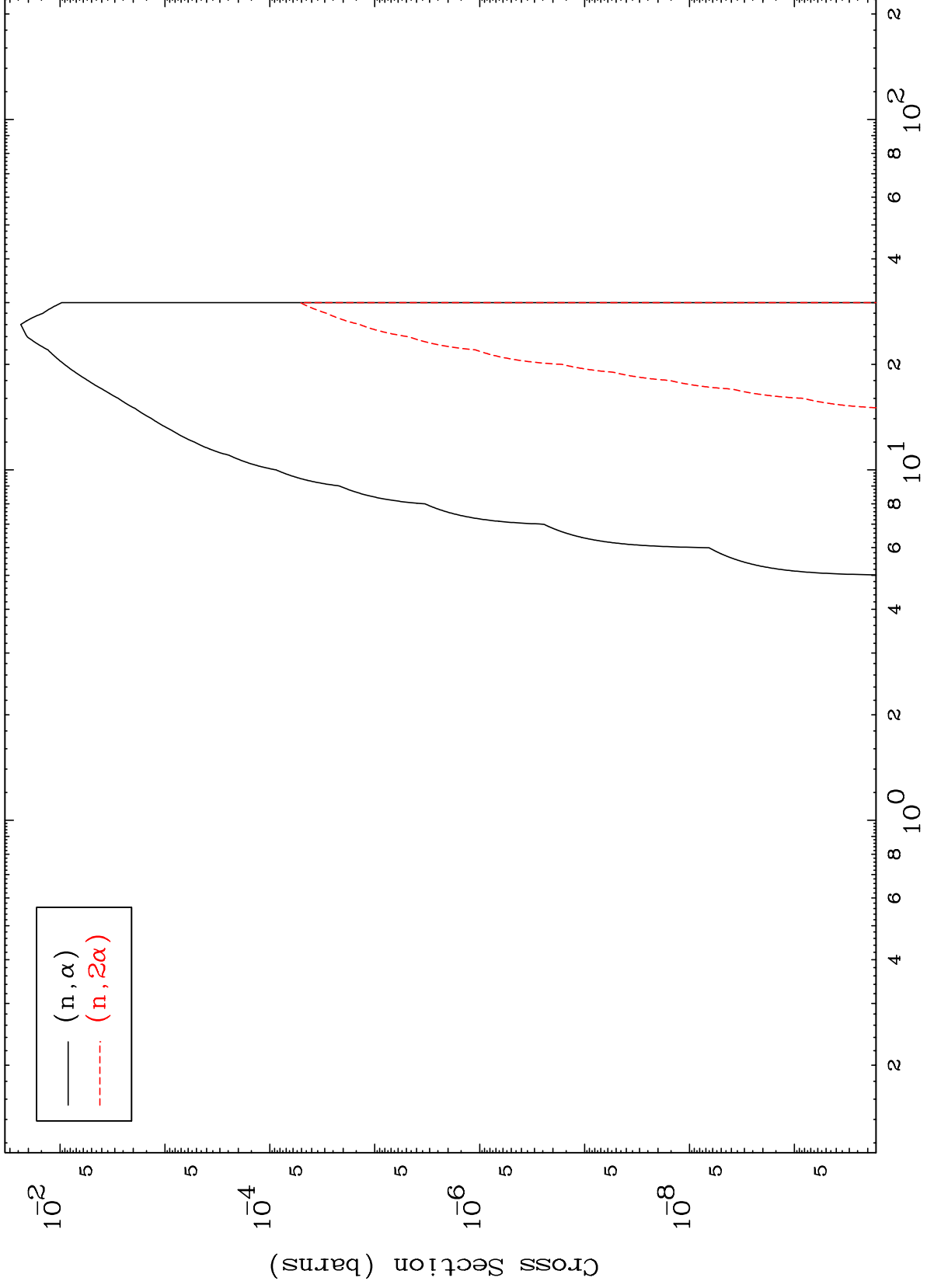
Incident Energy (MeV)

10

MAT 6401

(p, α) Levels
0 Kelvin Cross Sections

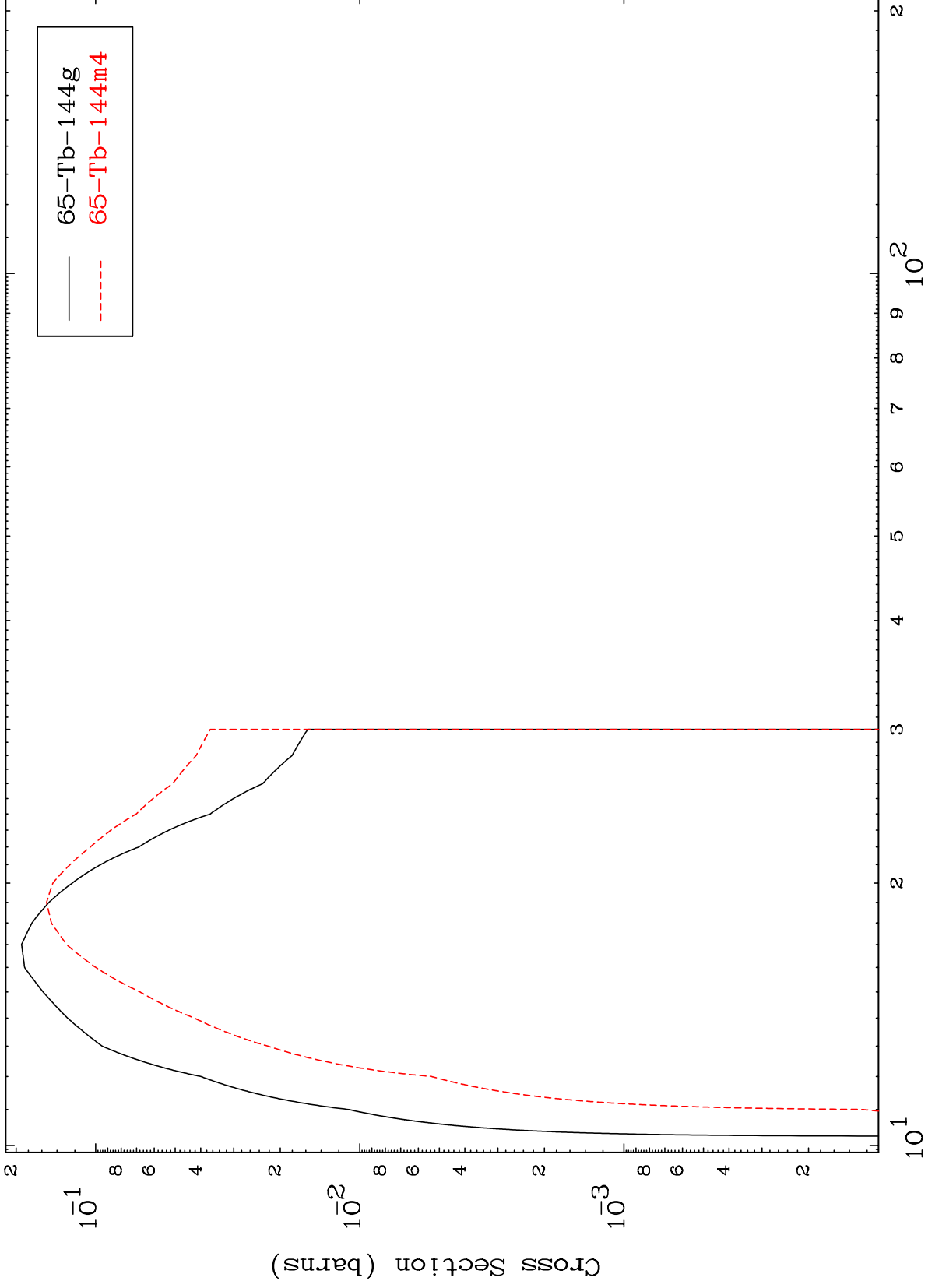
64-Gd-144



MAT 6401

64-Gd-144

Inelastic
Radionuclide Production Cross Section



64-Gd-144

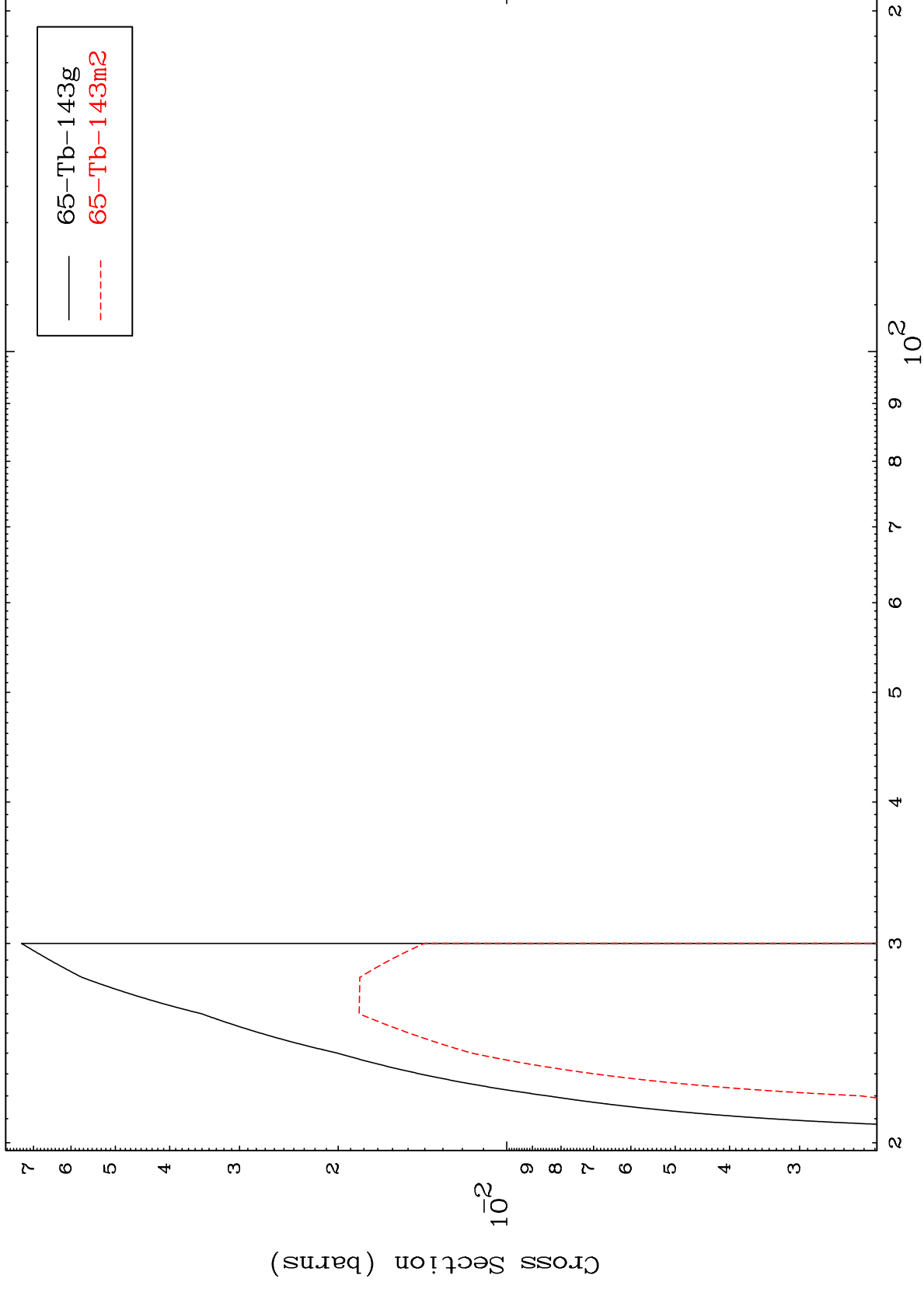
Incident Energy (MeV)

12

MAT 6401

64-Gd-144

(n,2n)
Radionuclide Production Cross Section



13

64-Gd-144

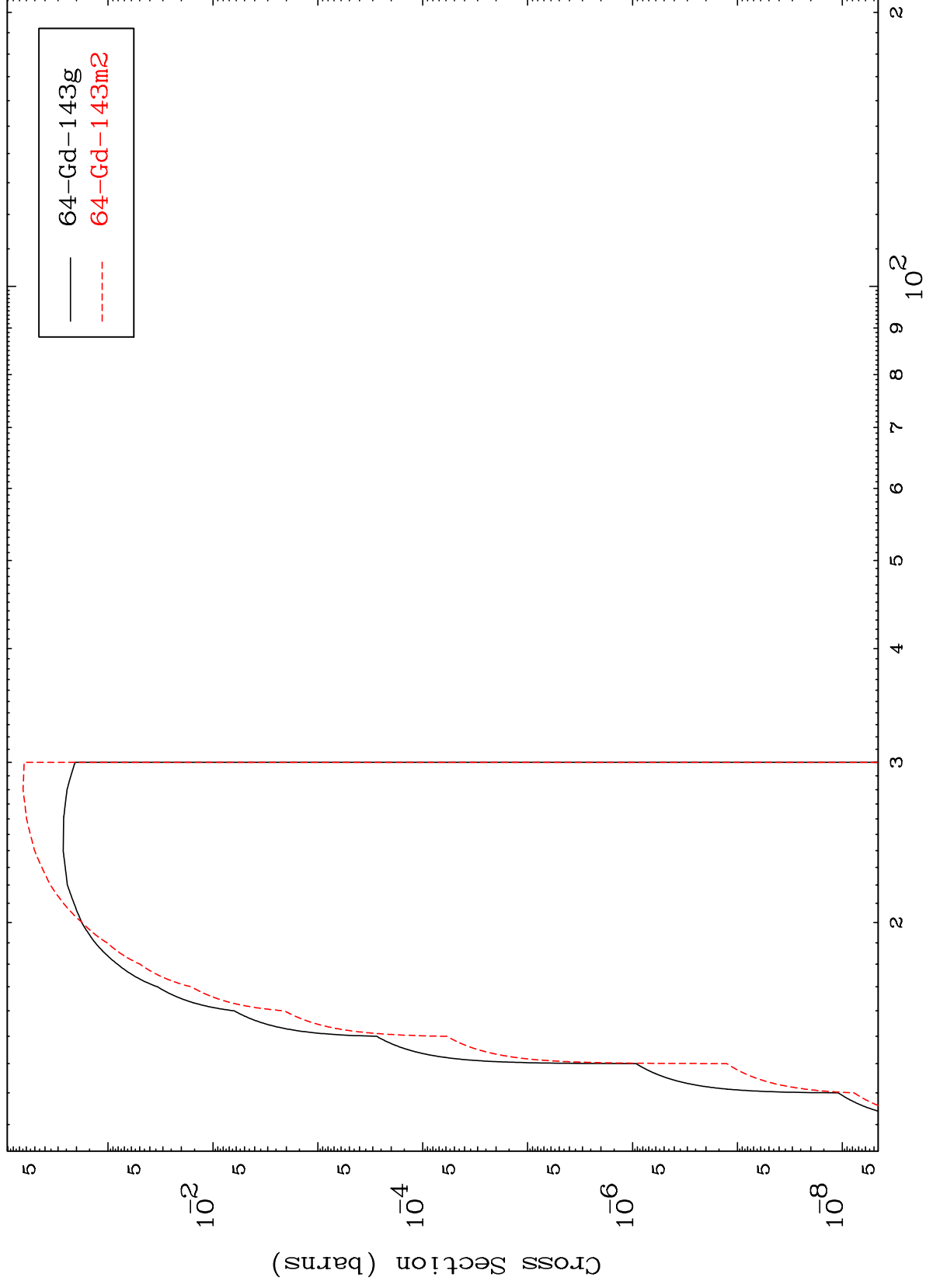
Incident Energy (MeV)

MAT 6401

(n,n') p

64-Gd-144

Radionuclide Production Cross Section



14

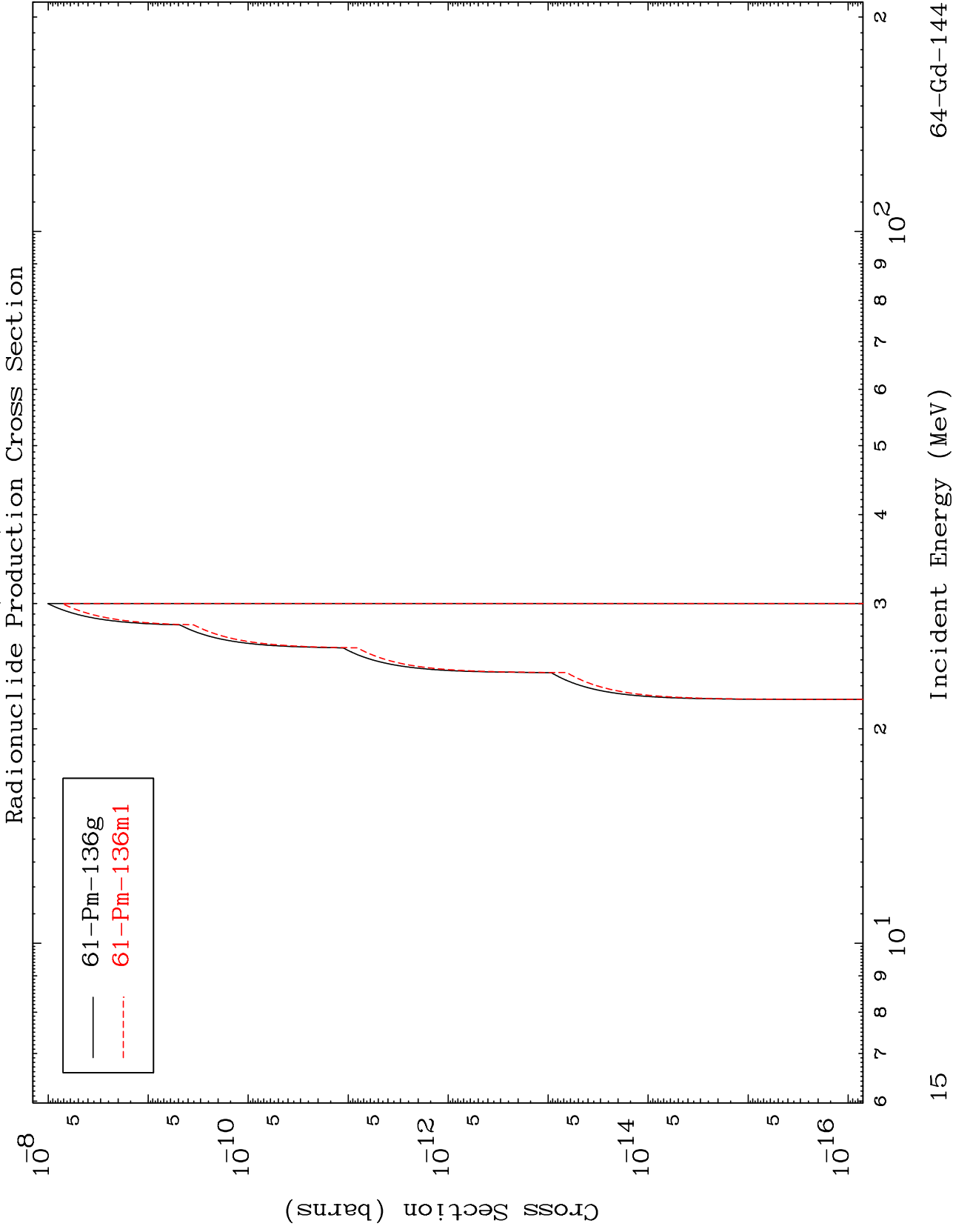
Incident Energy (MeV)

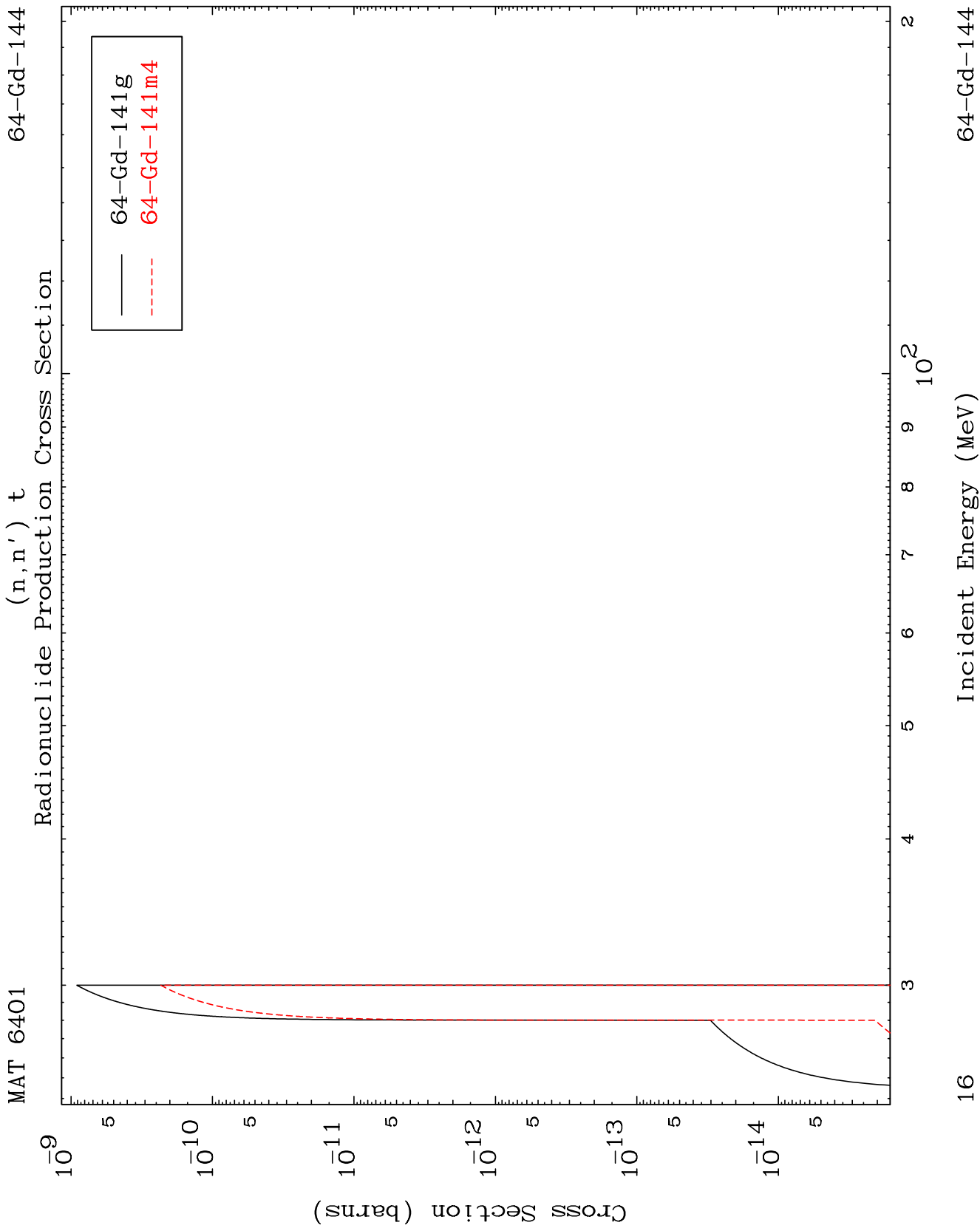
64-Gd-144

MAT 6401

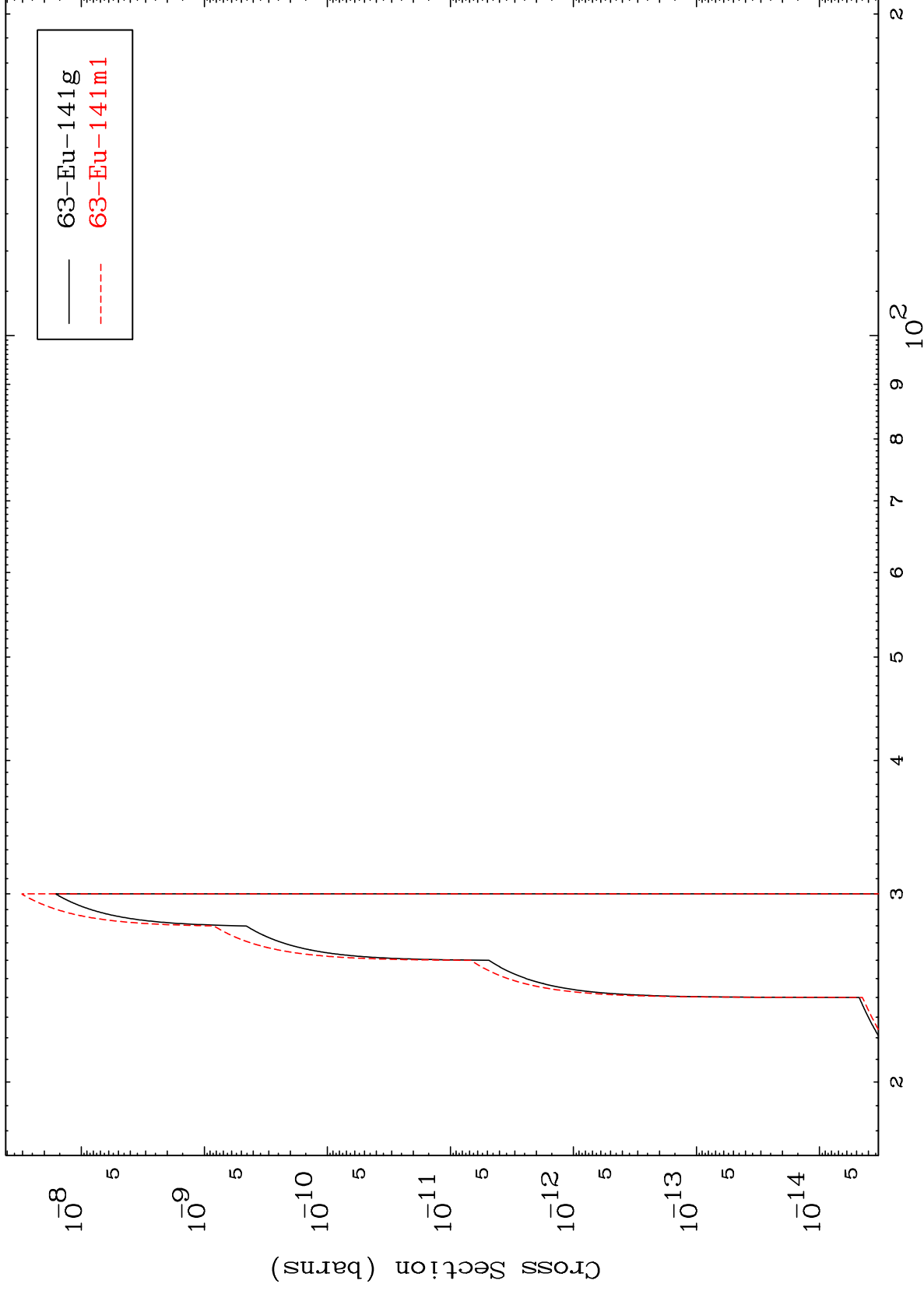
(n,n') 2α

64-Gd-144





Radionuclide Production Cross Section

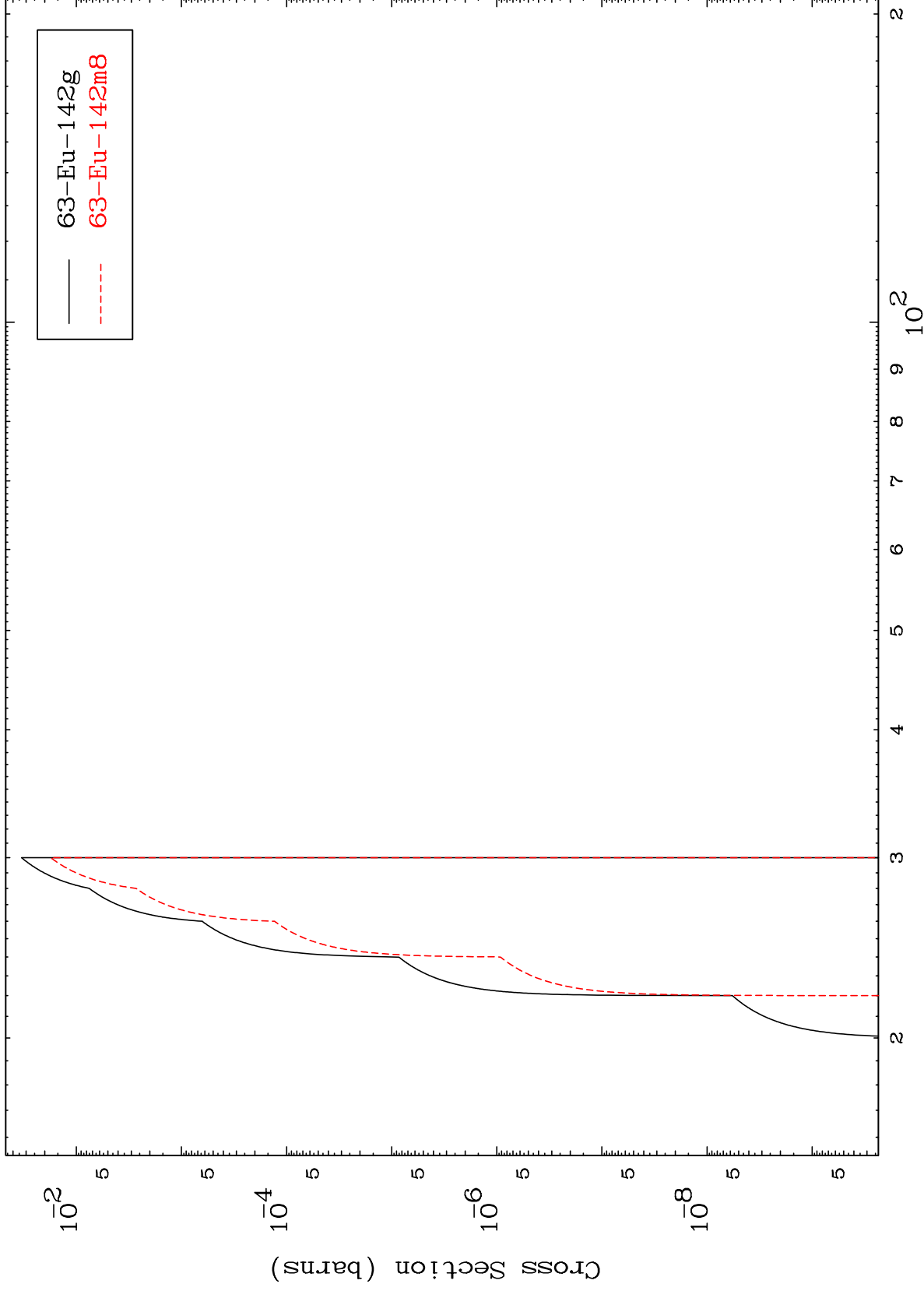


MAT 6401

(n,2n) p

64-Gd-144

Radionuclide Production Cross Section



18

Incident Energy (MeV)

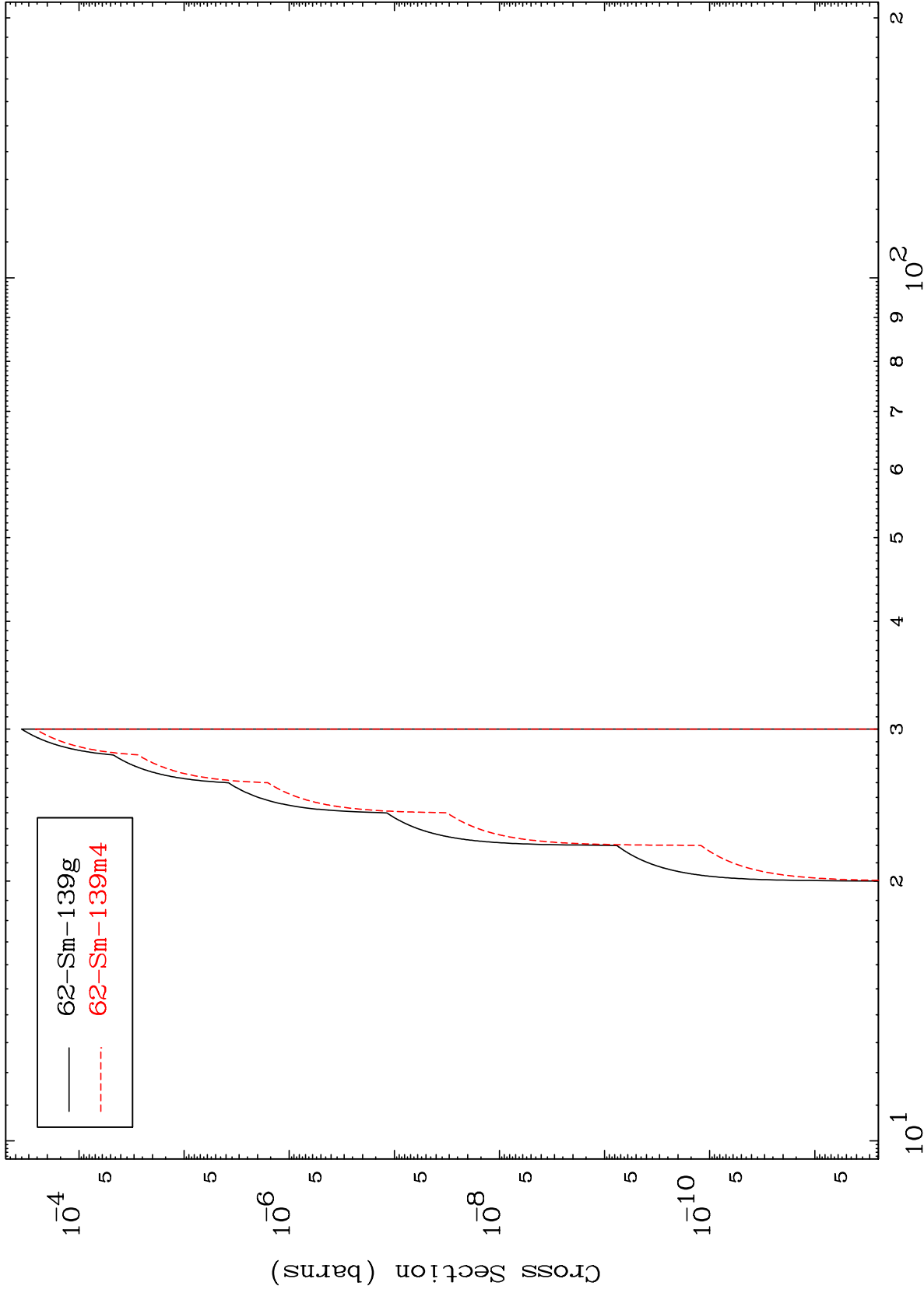
64-Gd-144

MAT 6401

(n,n') p α

64-Gd-144

Radionuclide Production Cross Section



19

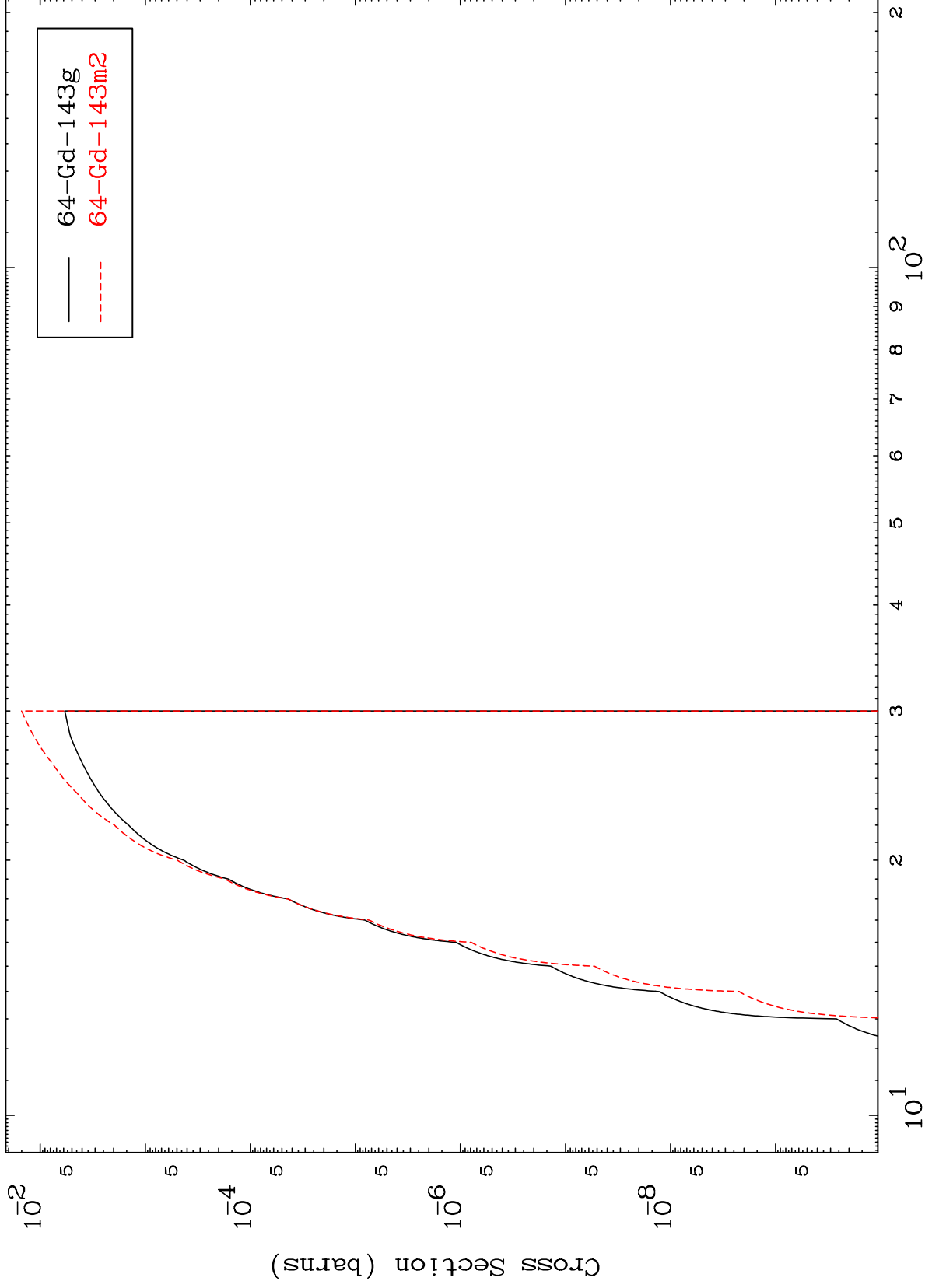
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

(n,d)
Radionuclide Production Cross Section



64-Gd-144

Incident Energy (MeV)

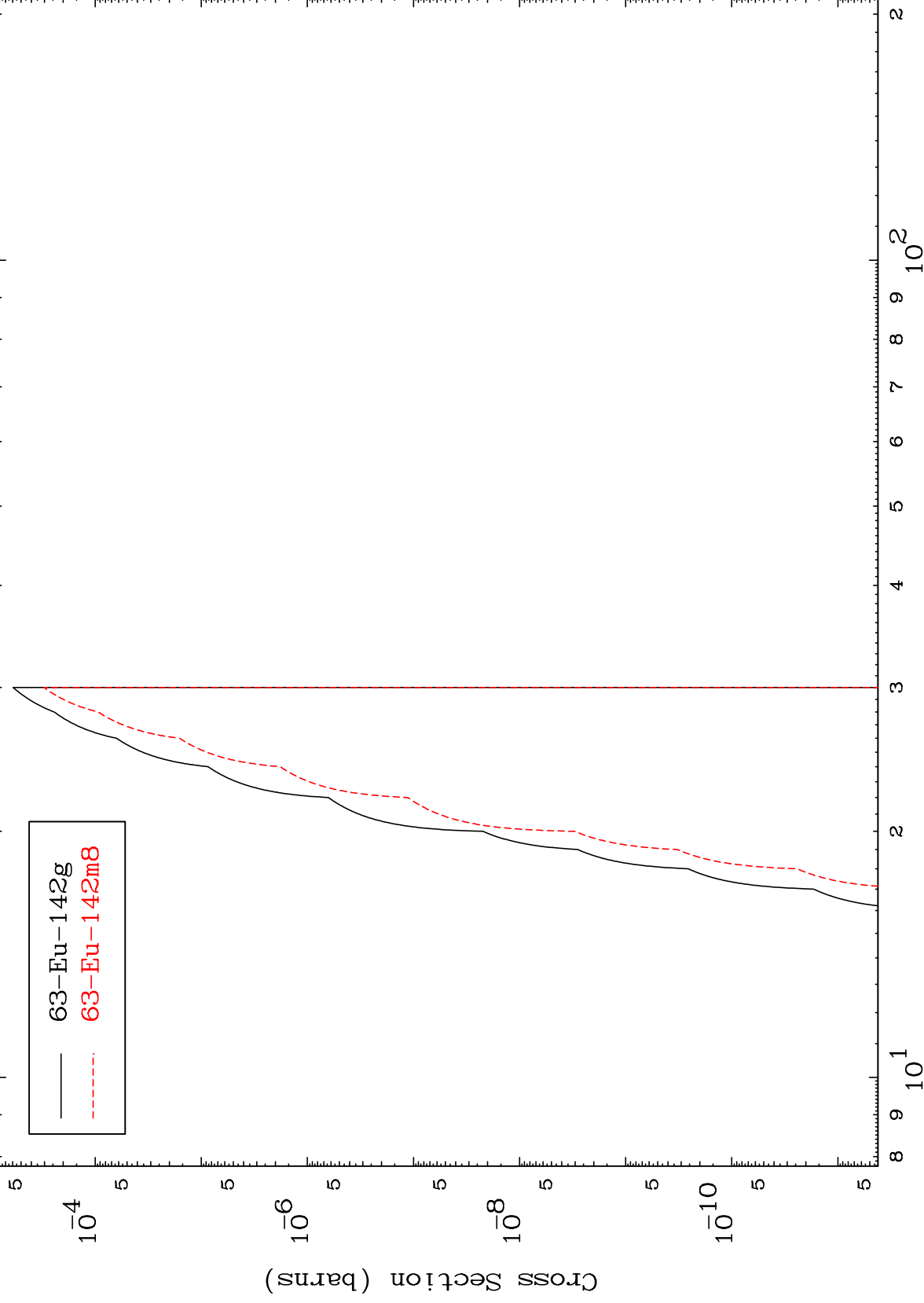
20

MAT 6401

(n,He-3)

64-Gd-144

Radionuclide Production Cross Section



21

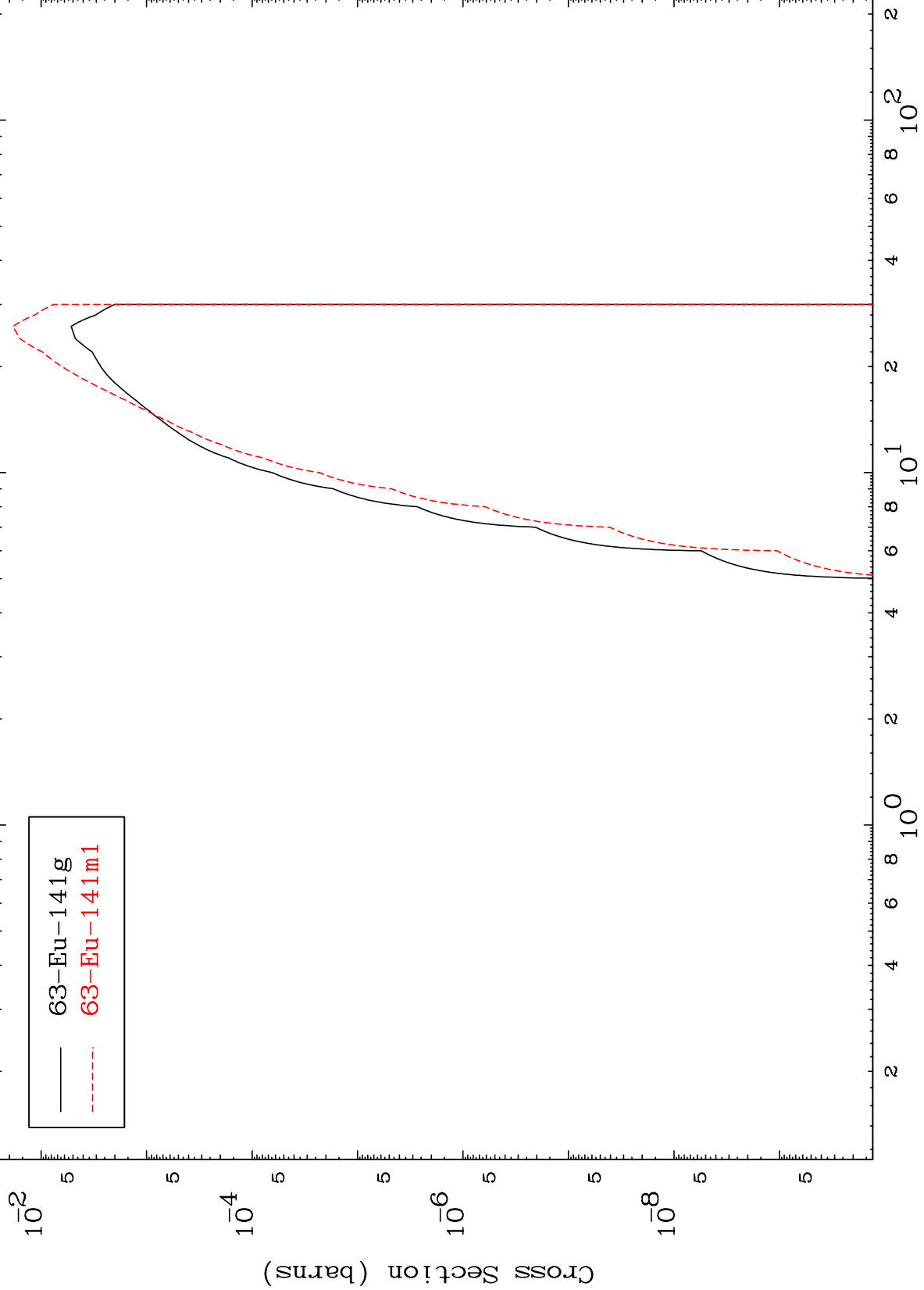
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

Radionuclide Production Cross Section
(n, α)



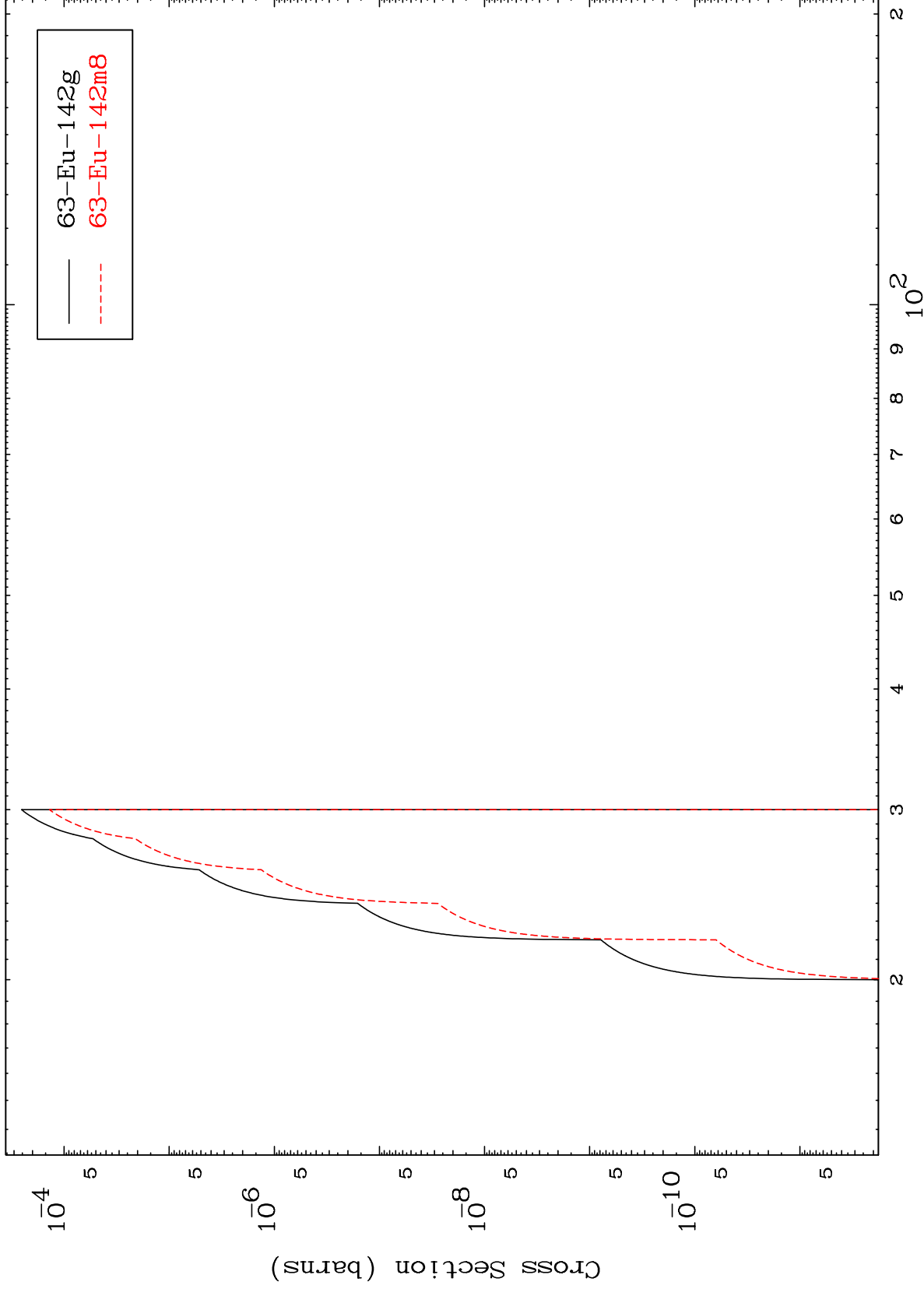
63-Eu-141g
63-Eu-141m1

64-Gd-144

Incident Energy (MeV)

22

Radionuclide Production Cross Section

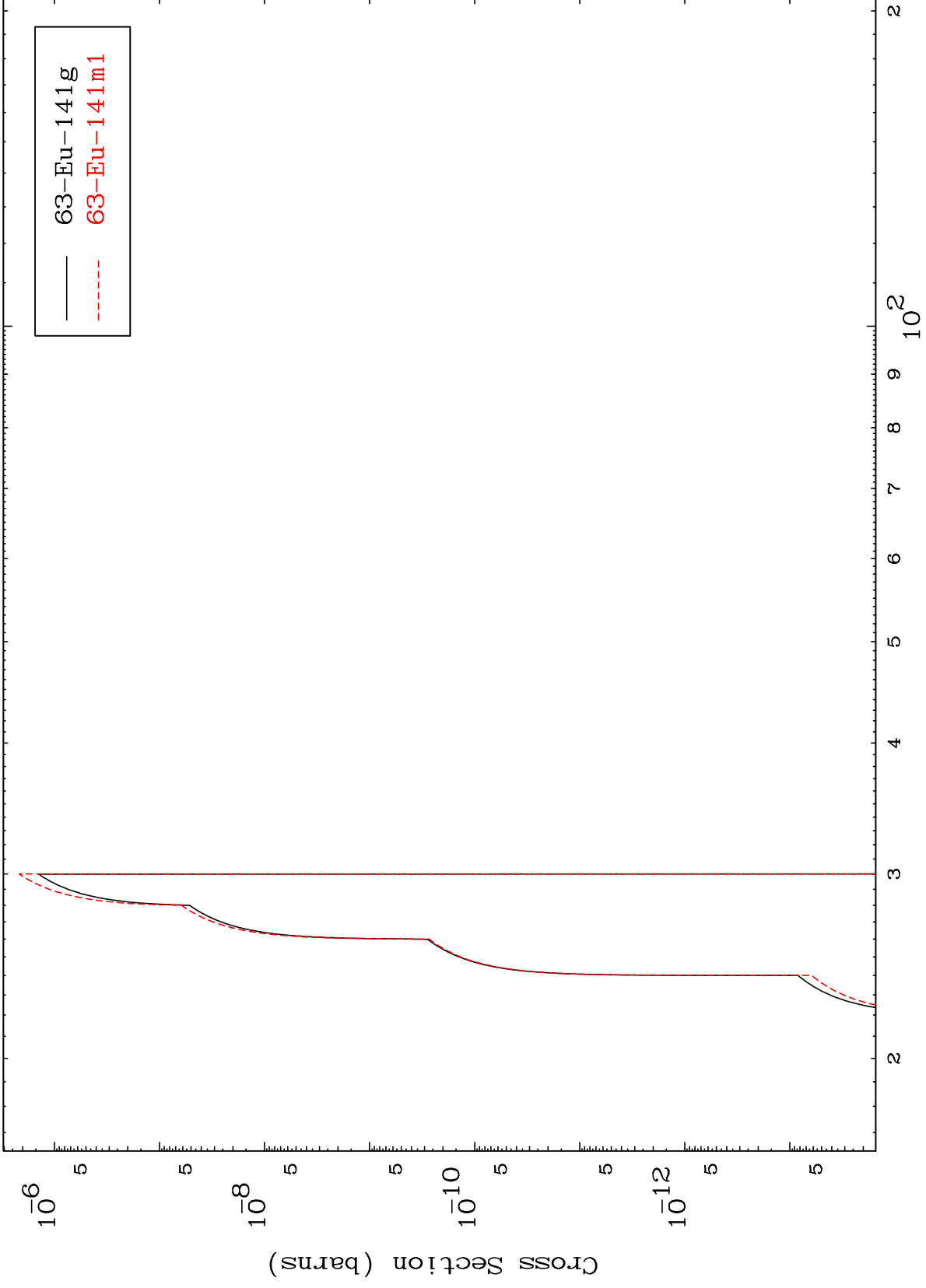


MAT 6401

(n,p) t

64-Gd-144

Radionuclide Production Cross Section



24

Incident Energy (MeV)

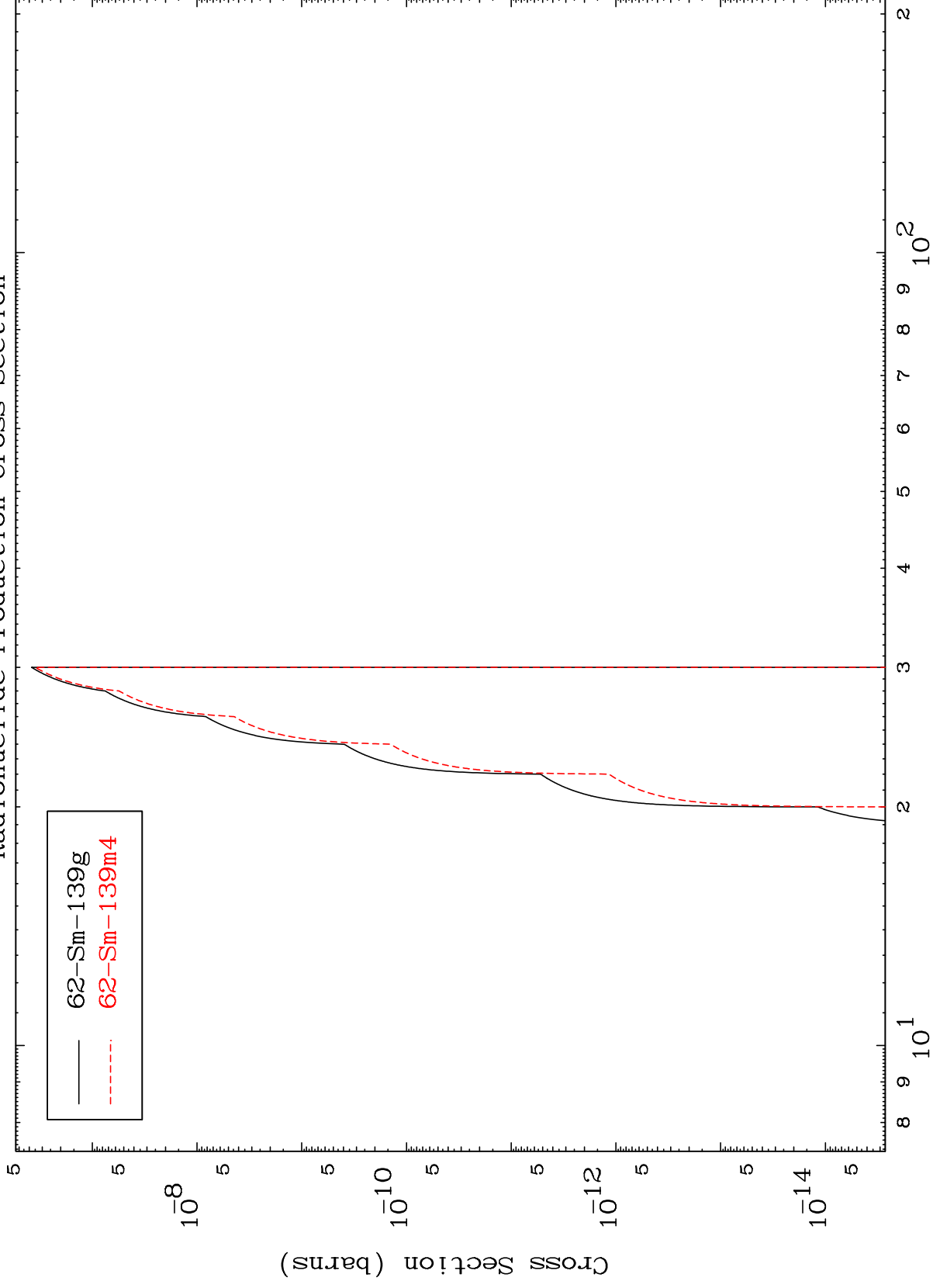
64-Gd-144

MAT 6401

(n,d) α

64-Gd-144

Radionuclide Production Cross Section



25

Incident Energy (MeV)

64-Gd-144