

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

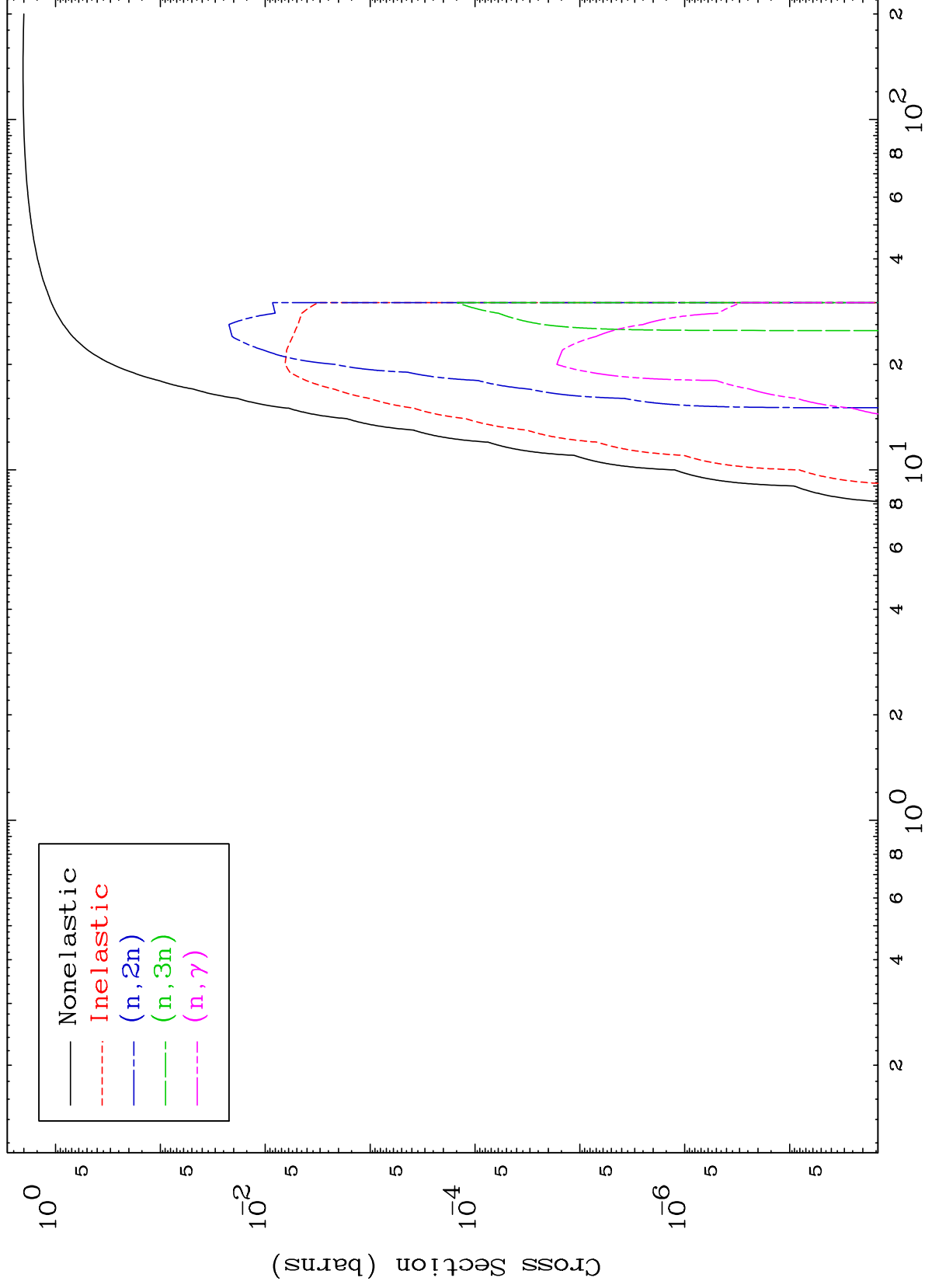
Press Mouse Button to Start

MAT 6401

He-3 Major

64-Gd-144

0 Kelvin Cross Sections



1

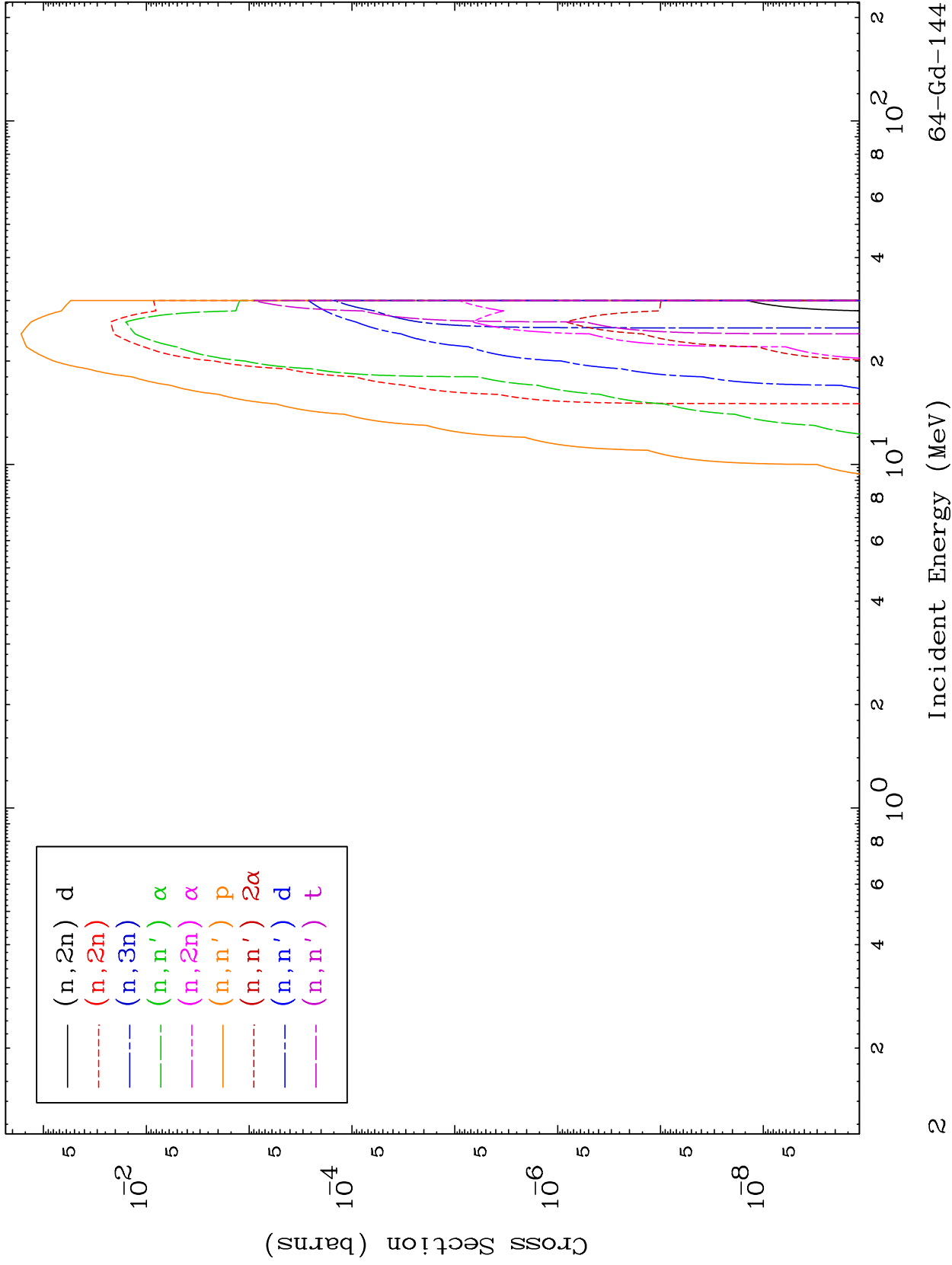
Incident Energy (MeV)

64-Gd-144

MAT 6401

He-3 Neutron Absorption
0 Kelvin Cross Sections

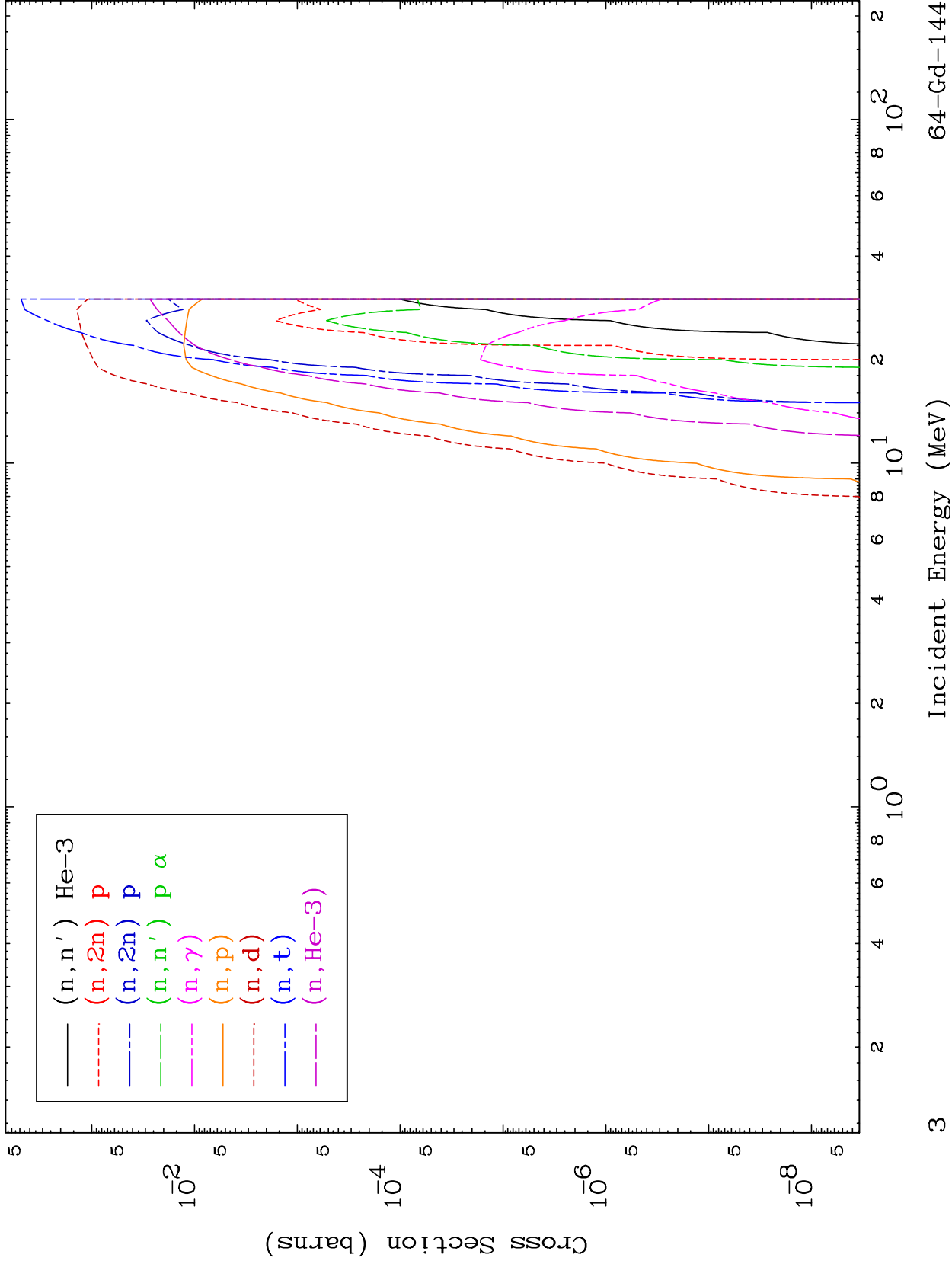
64-Gd-144



MAT 6401

He-3 Neutron Absorption
0 Kelvin Cross Sections

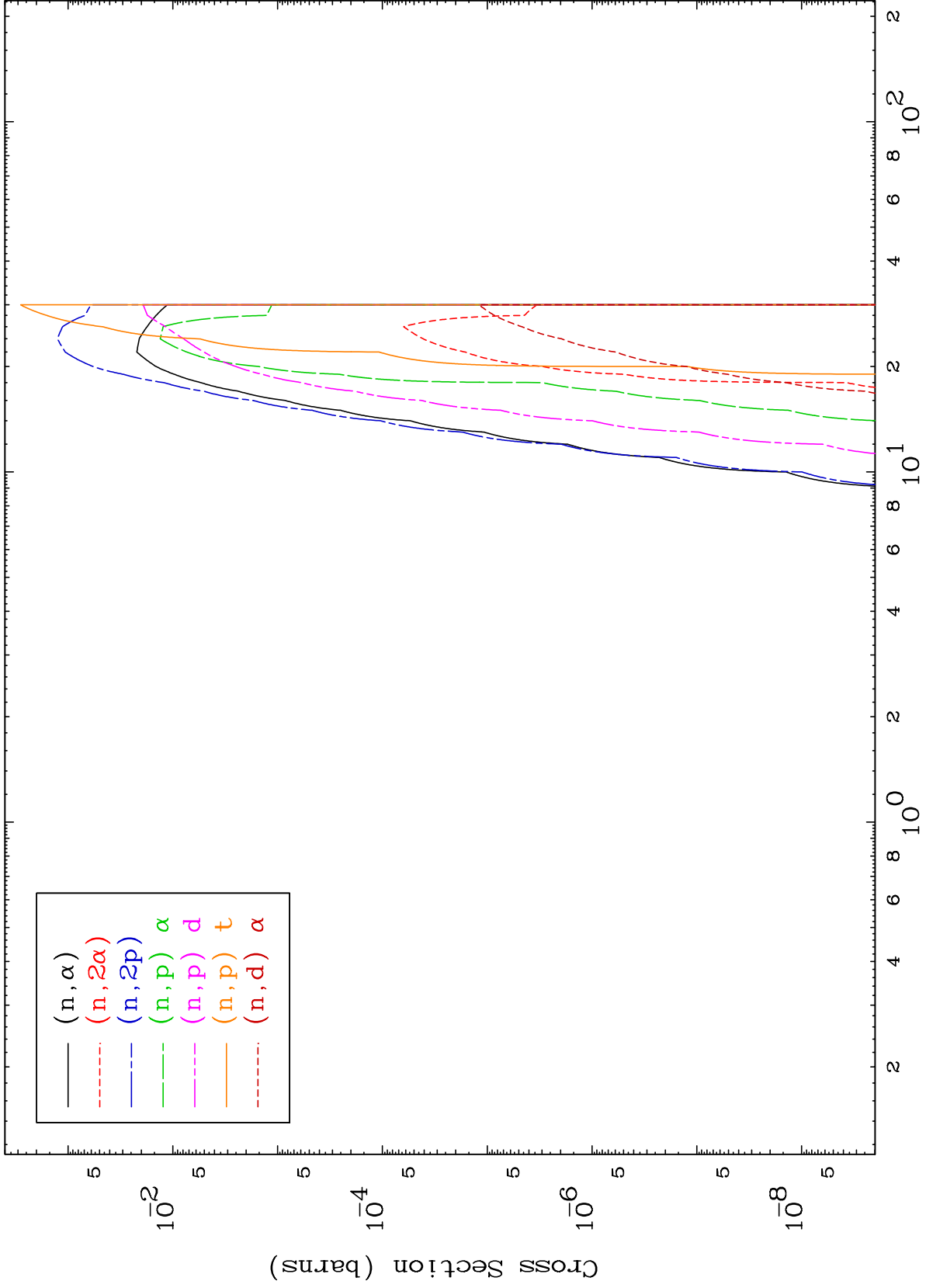
64-Gd-144



MAT 6401

He-3 Neutron Absorption
0 Kelvin Cross Sections

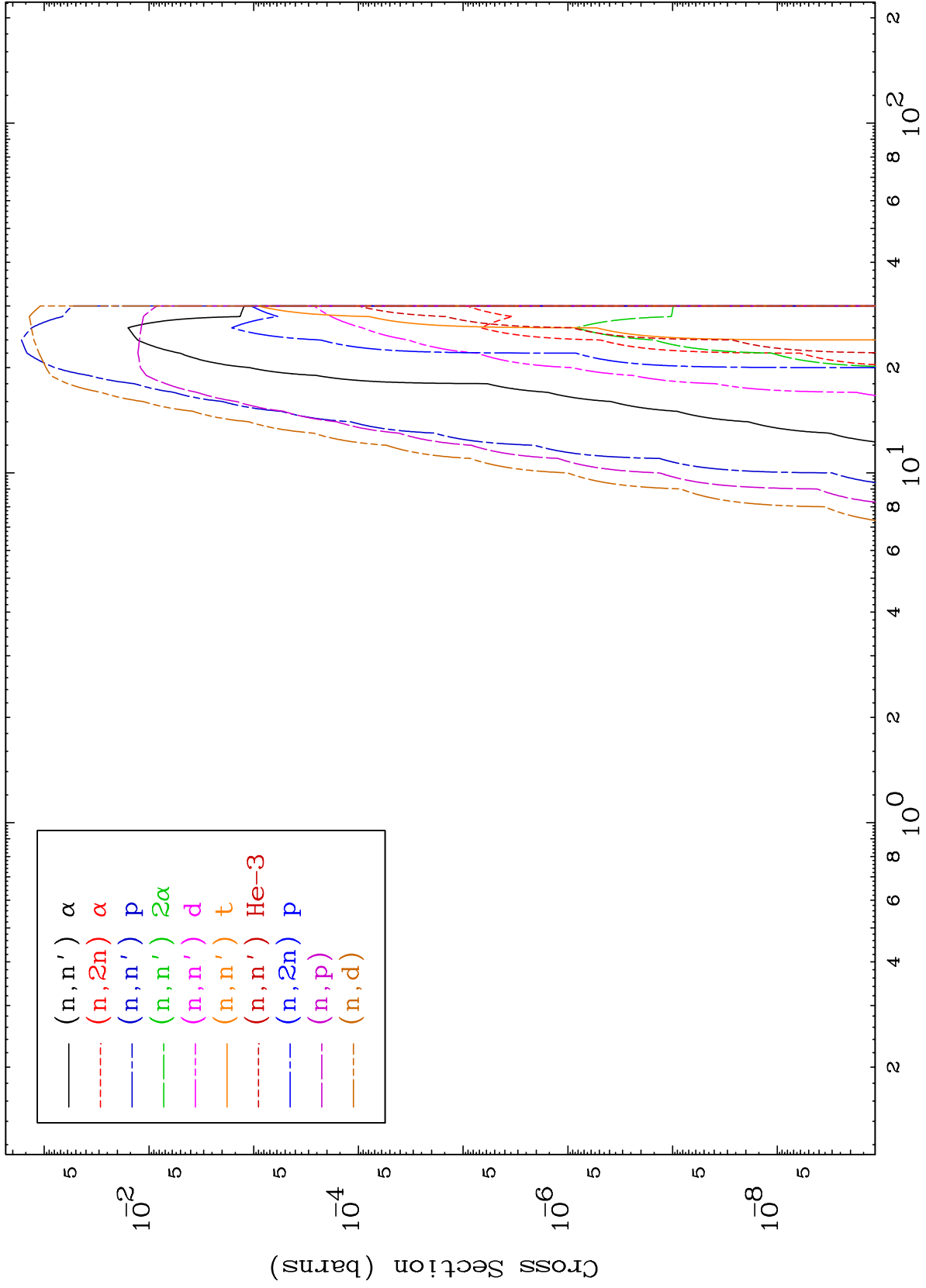
64-Gd-144



MAT 6401

He-3 Charged Particle
0 Kelvin Cross Sections

64-Gd-144



5

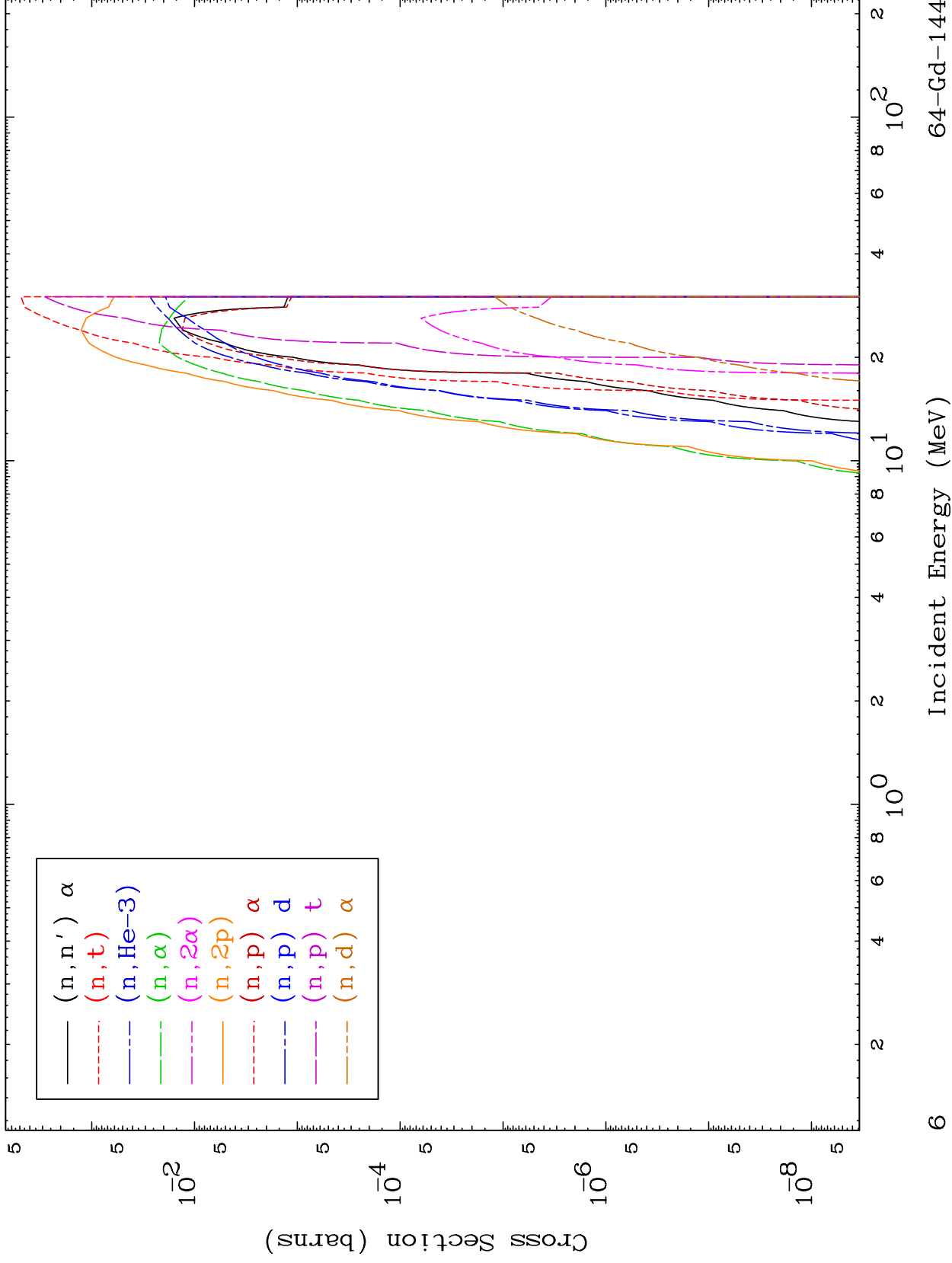
Incident Energy (MeV)

64-Gd-144

MAT 6401

He-3 Charged Particle
0 Kelvin Cross Sections

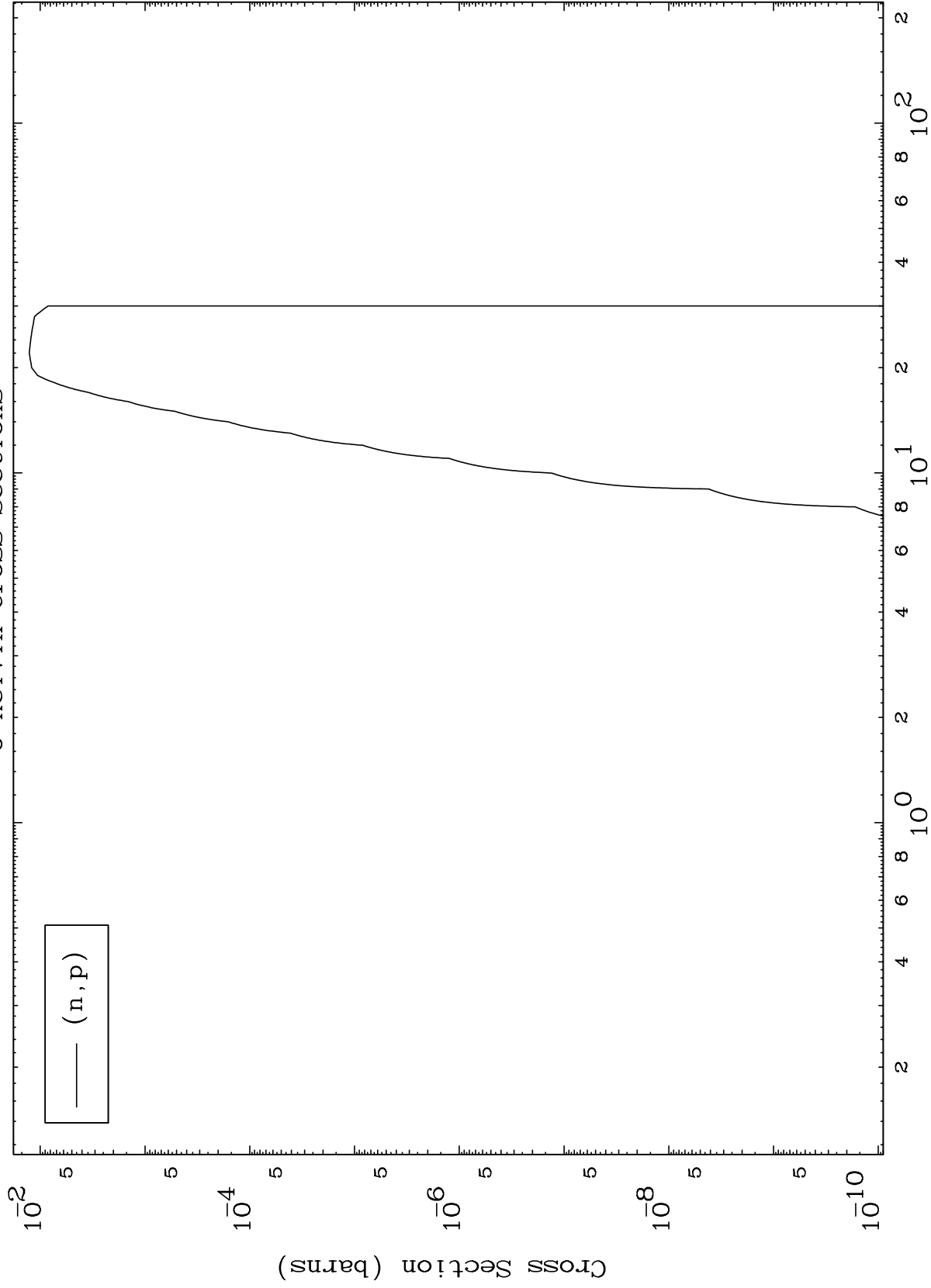
64-Gd-144



MAT 6401

64-Gd-144

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



(n,p)

64-Gd-144

Incident Energy (MeV)

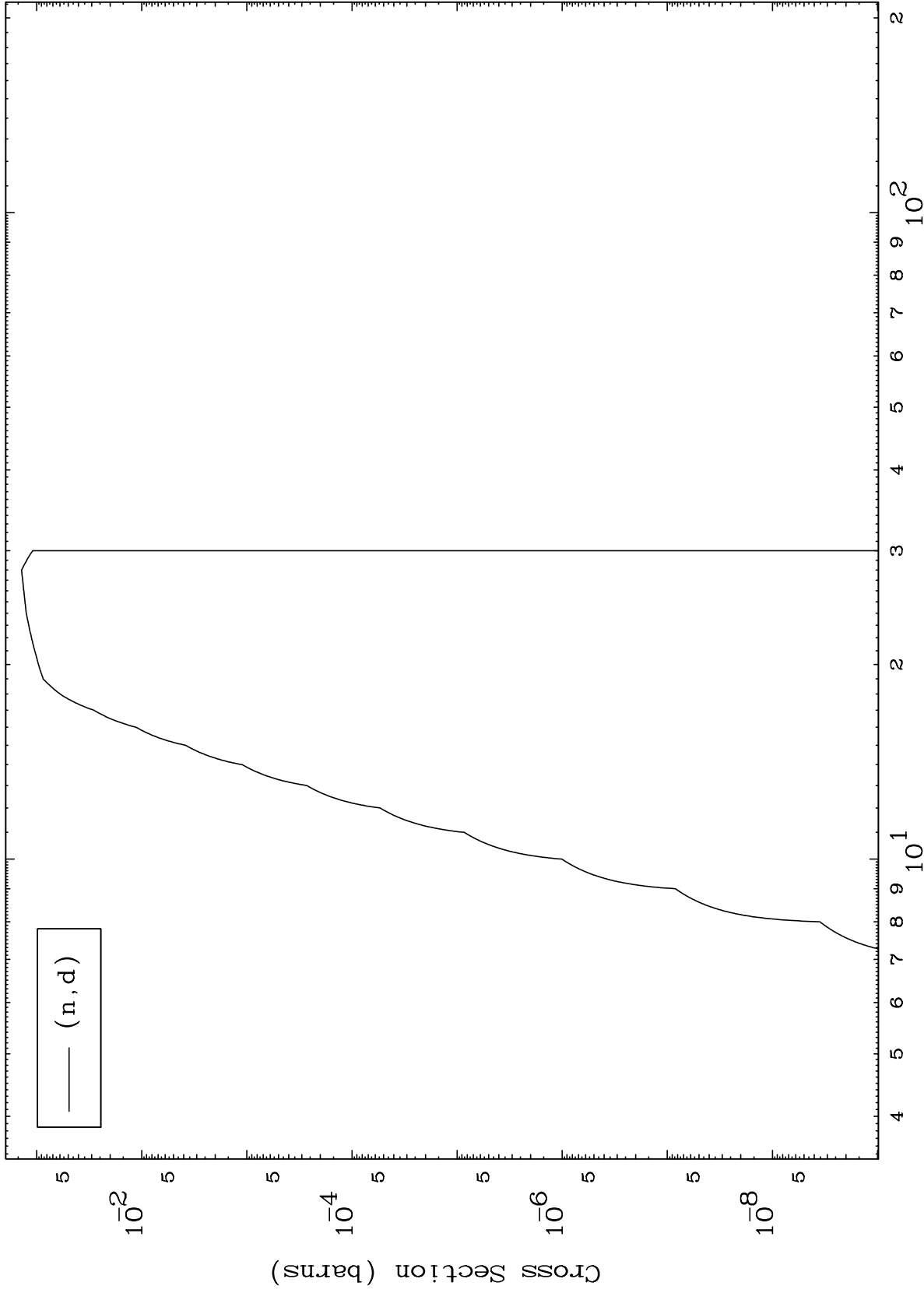
7

MAT 6401

(He-3,d) Levels

64-Gd-144

0 Kelvin Cross Sections



8

Incident Energy (MeV)

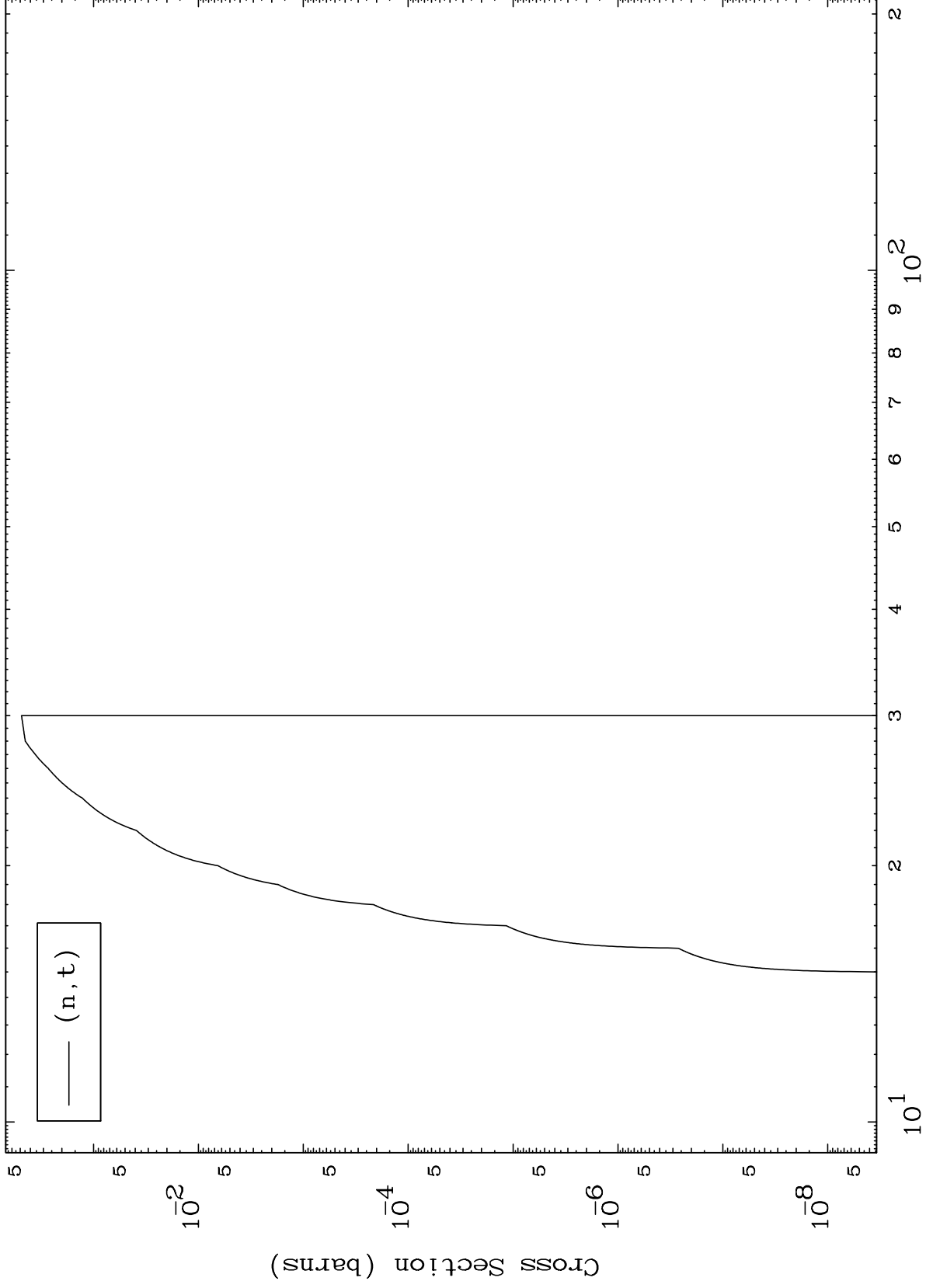
64-Gd-144

MAT 6401

(He-3,t) Levels

64-Gd-144

0 Kelvin Cross Sections



(n,t)

Incident Energy (MeV)

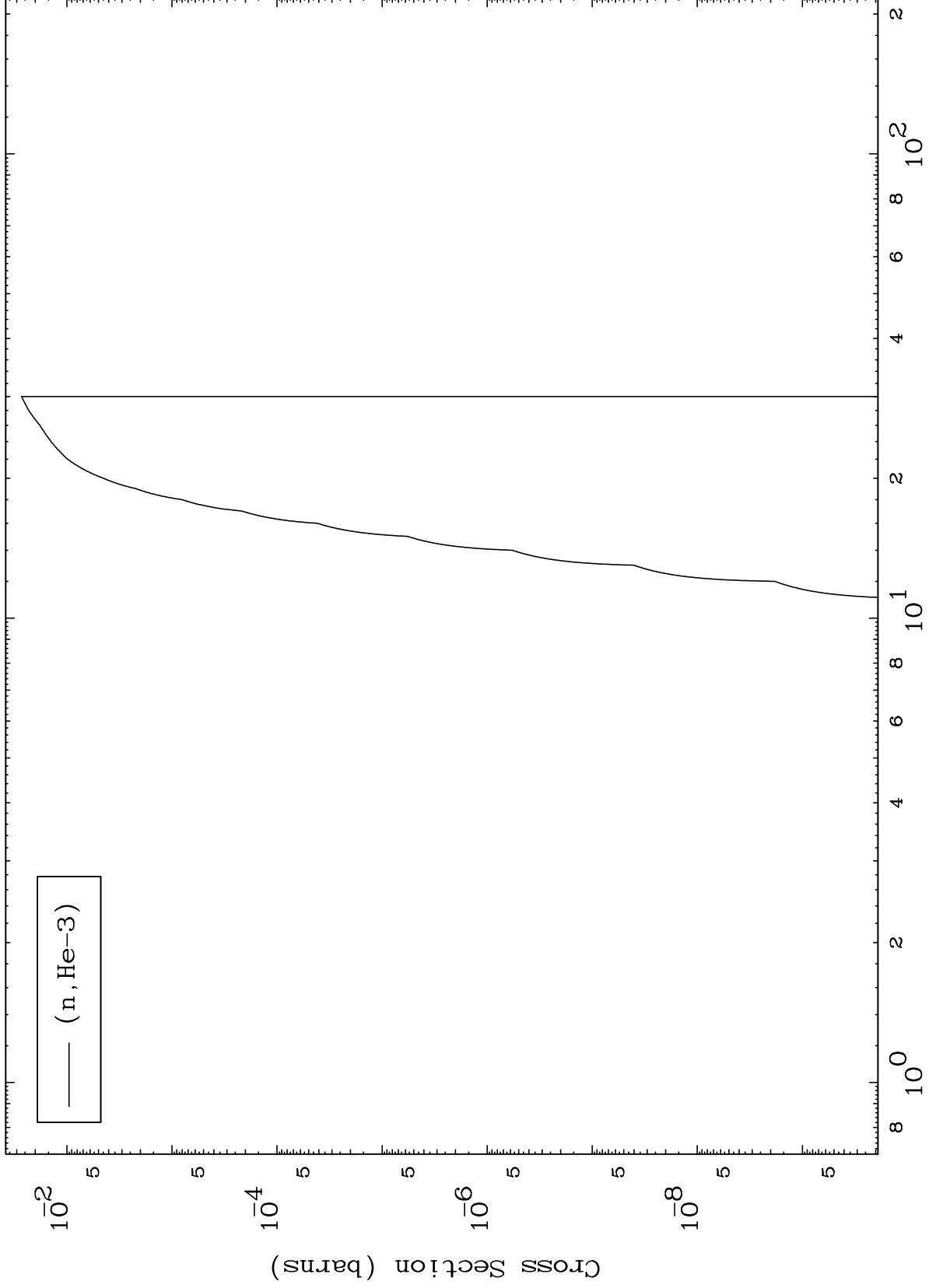
64-Gd-144

MAT 6401

(He-3, He3) Levels

64-Gd-144

0 Kelvin Cross Sections



10

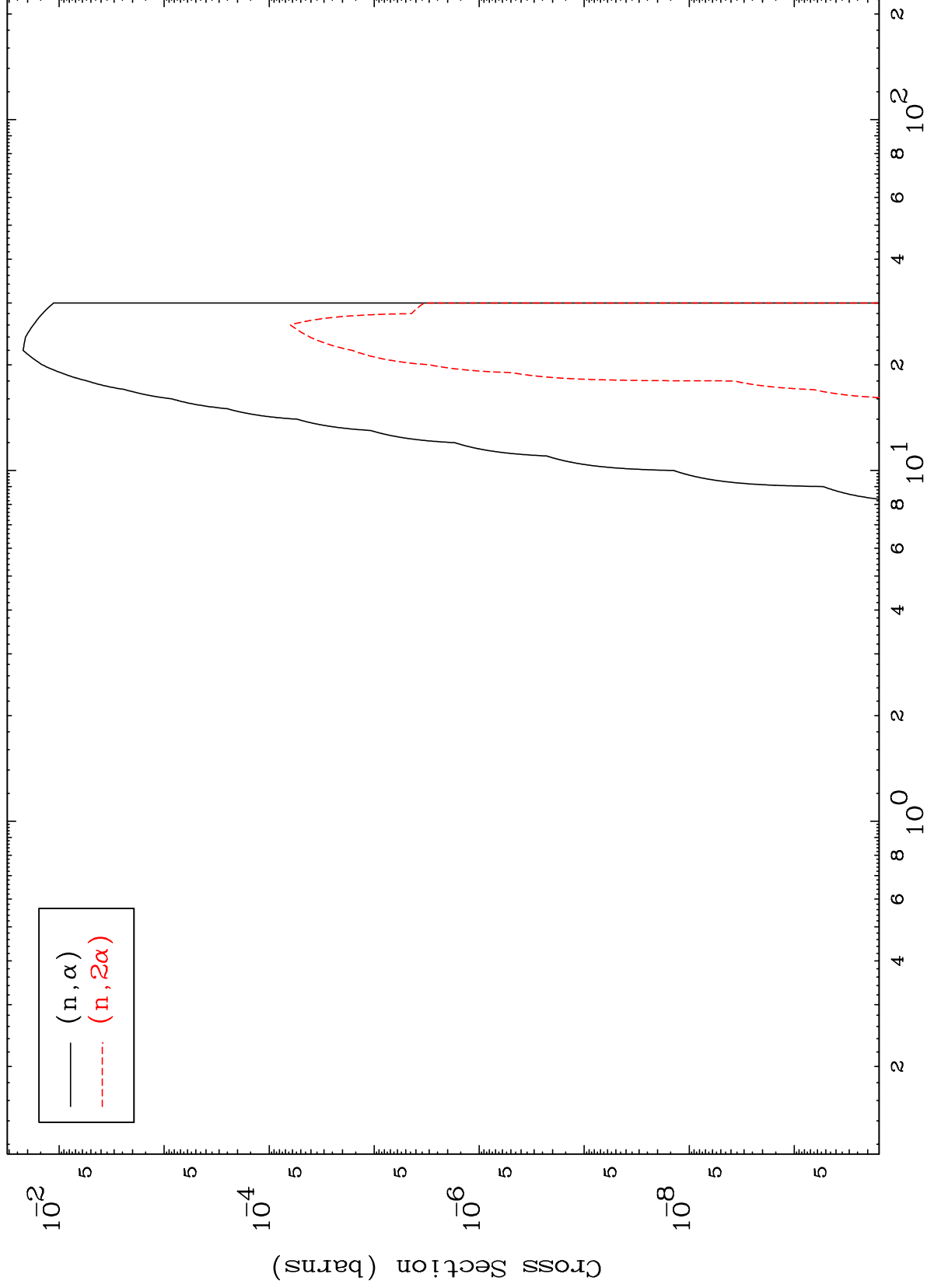
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

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



— (n, α)
- - - $(n, 2\alpha)$

64-Gd-144

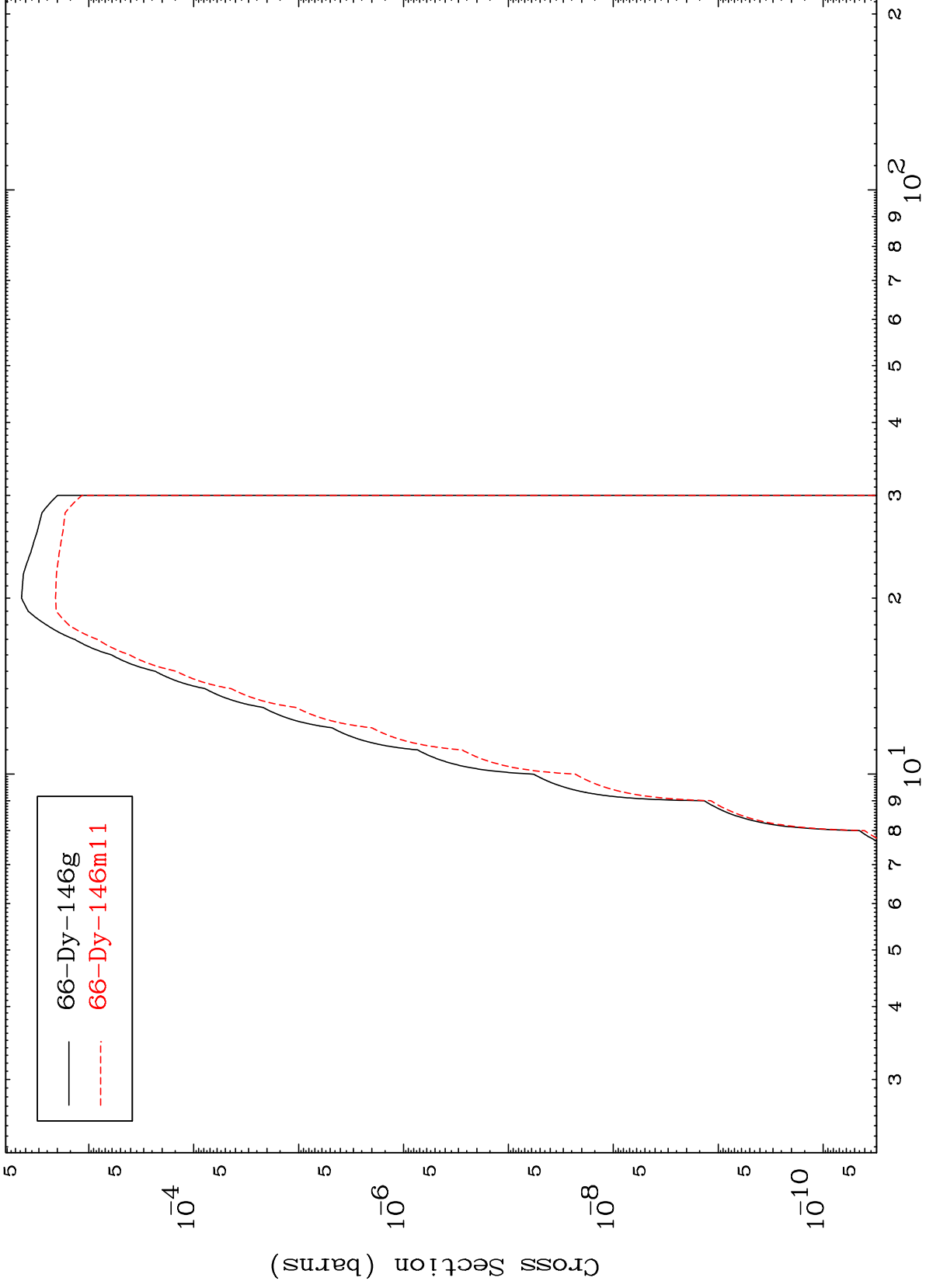
Incident Energy (MeV)

11

MAT 6401

64-Gd-144

Radionuclide Production Cross Section



12

Incident Energy (MeV)

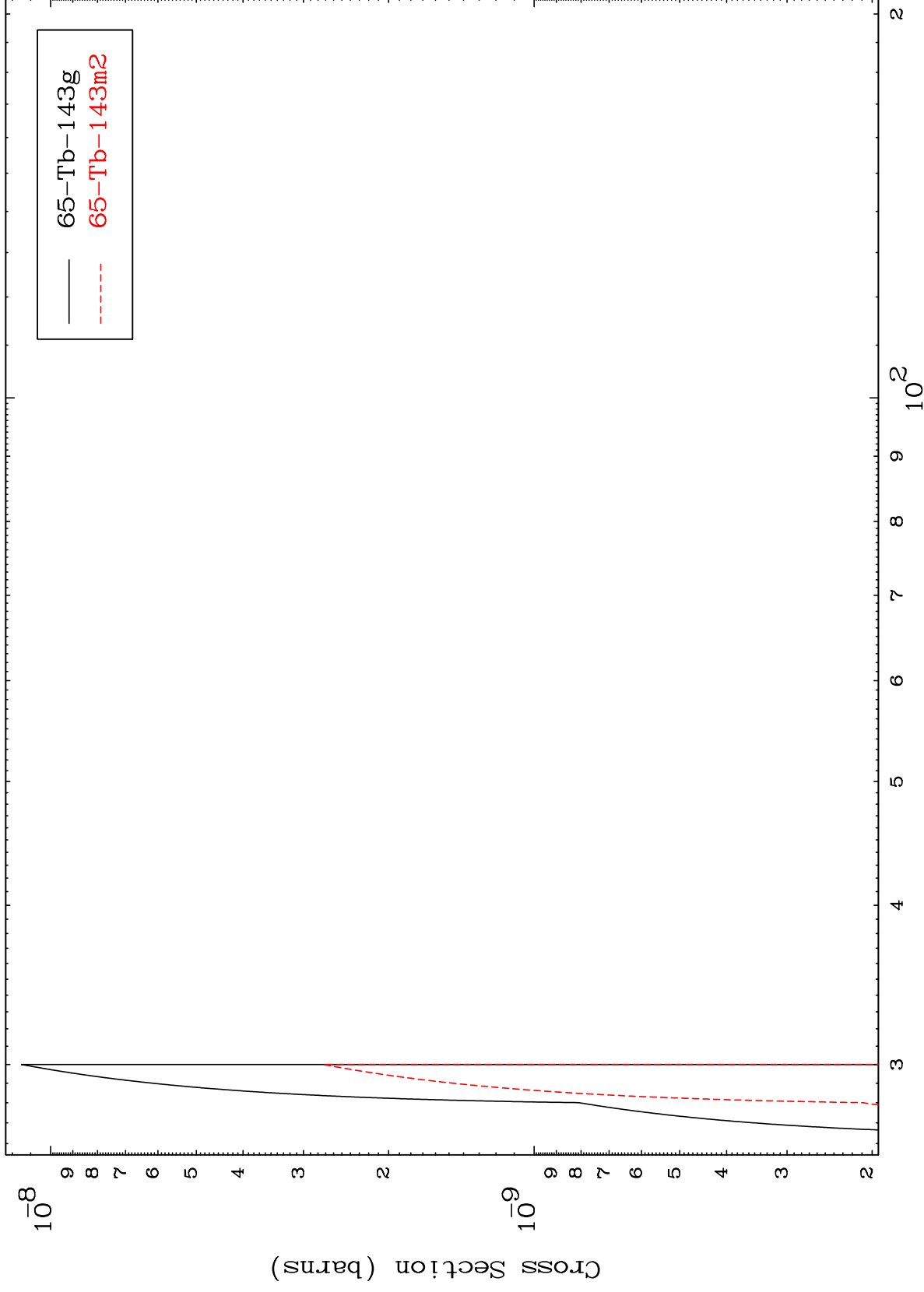
64-Gd-144

MAT 6401

(n,2n) d

64-Gd-144

Radionuclide Production Cross Section



13

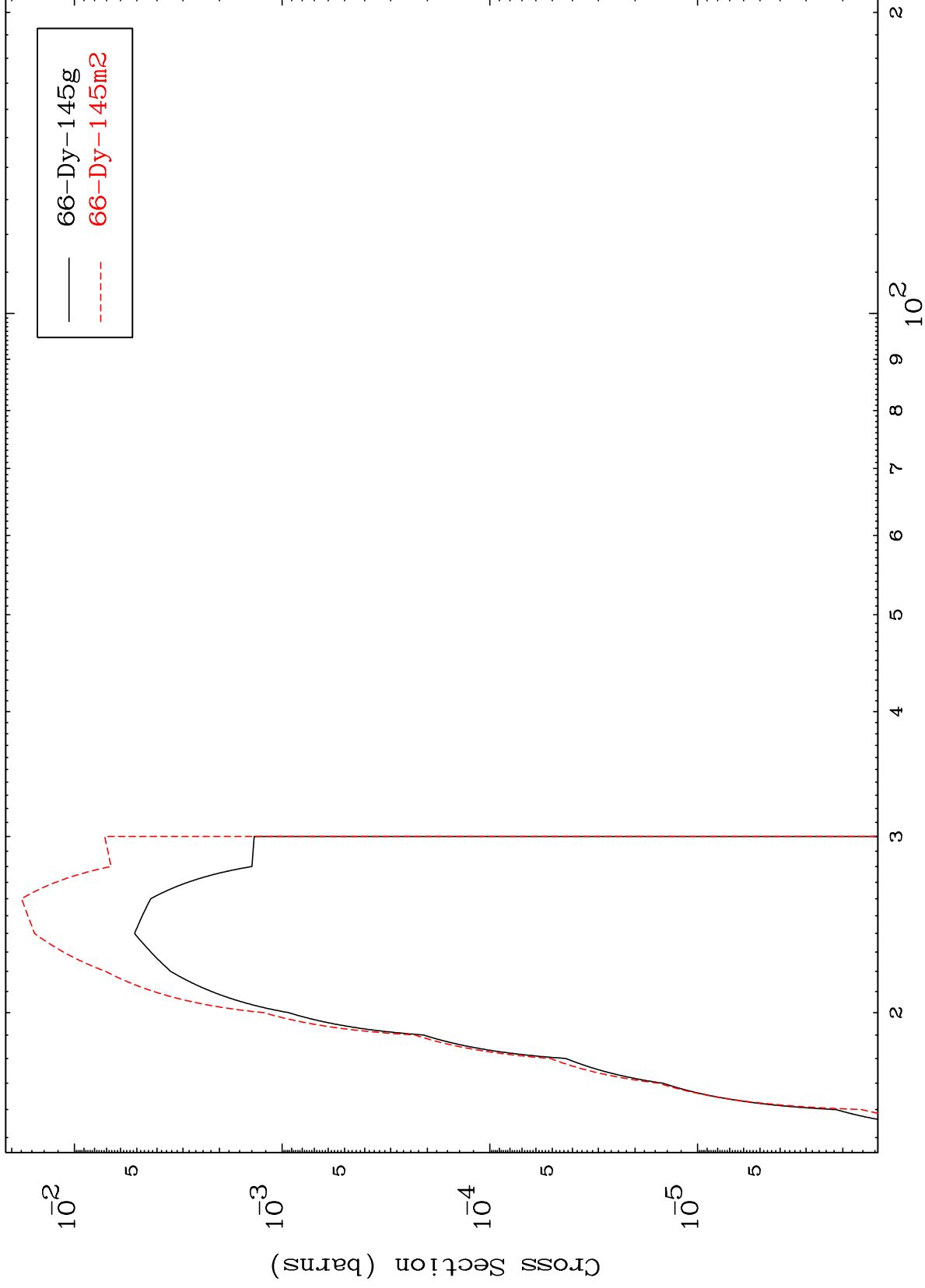
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

(n,2n)
Radionuclide Production Cross Section



14

Incident Energy (MeV)

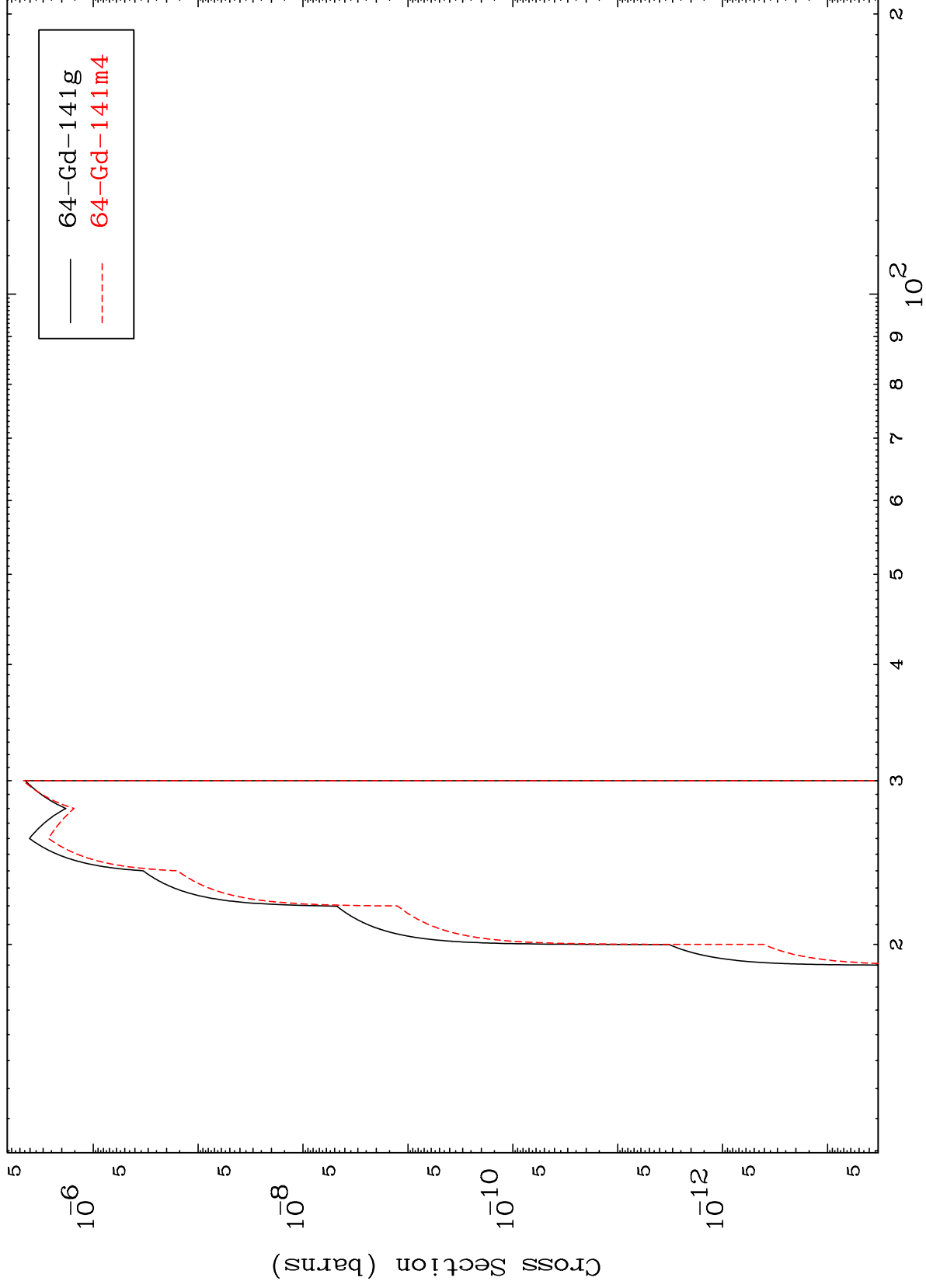
64-Gd-144

MAT 6401

(n,2n) α

64-Gd-144

Radionuclide Production Cross Section



15

Incident Energy (MeV)

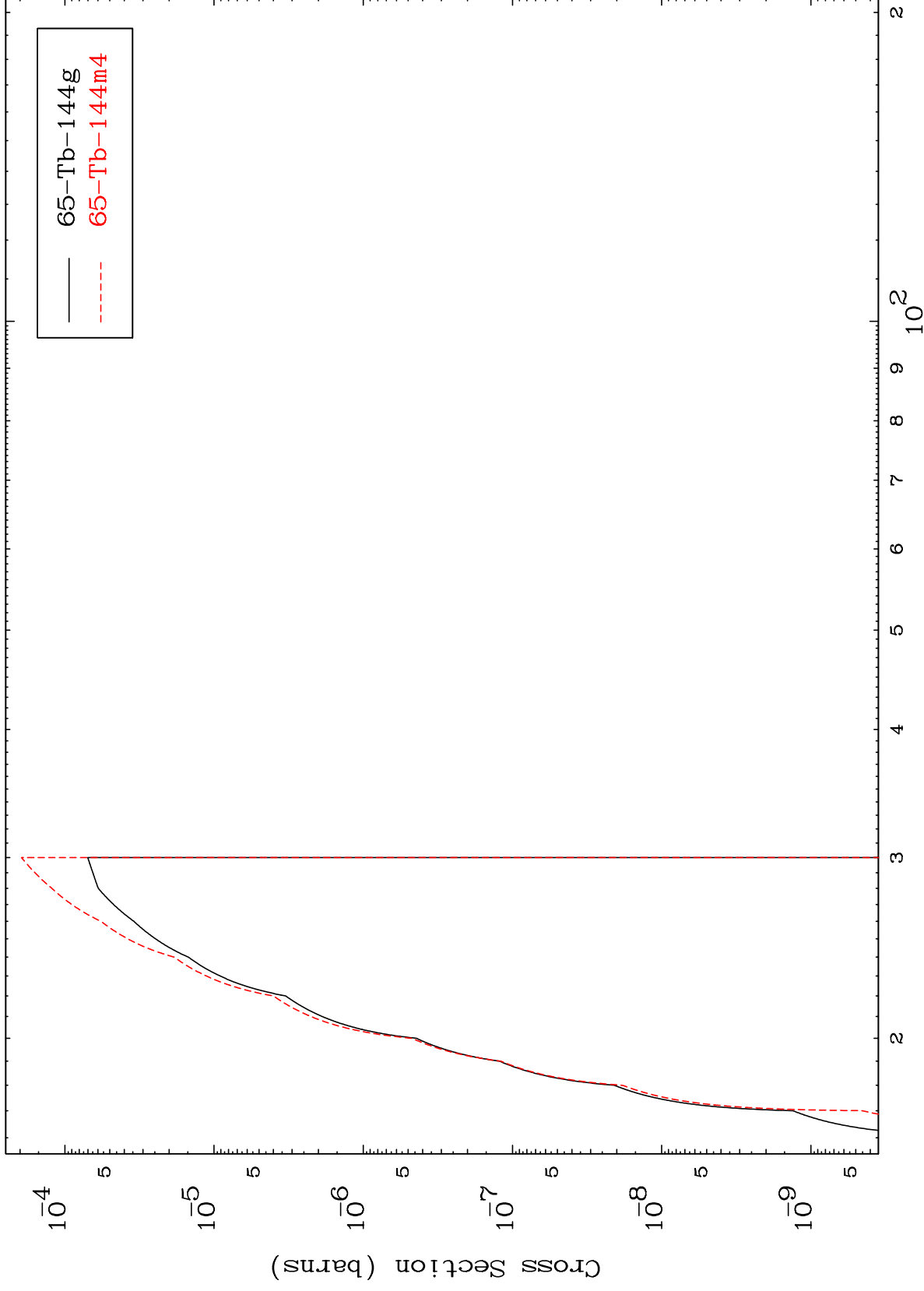
64-Gd-144

MAT 6401

(n,n') d

64-Gd-144

Radionuclide Production Cross Section



16

Incident Energy (MeV)

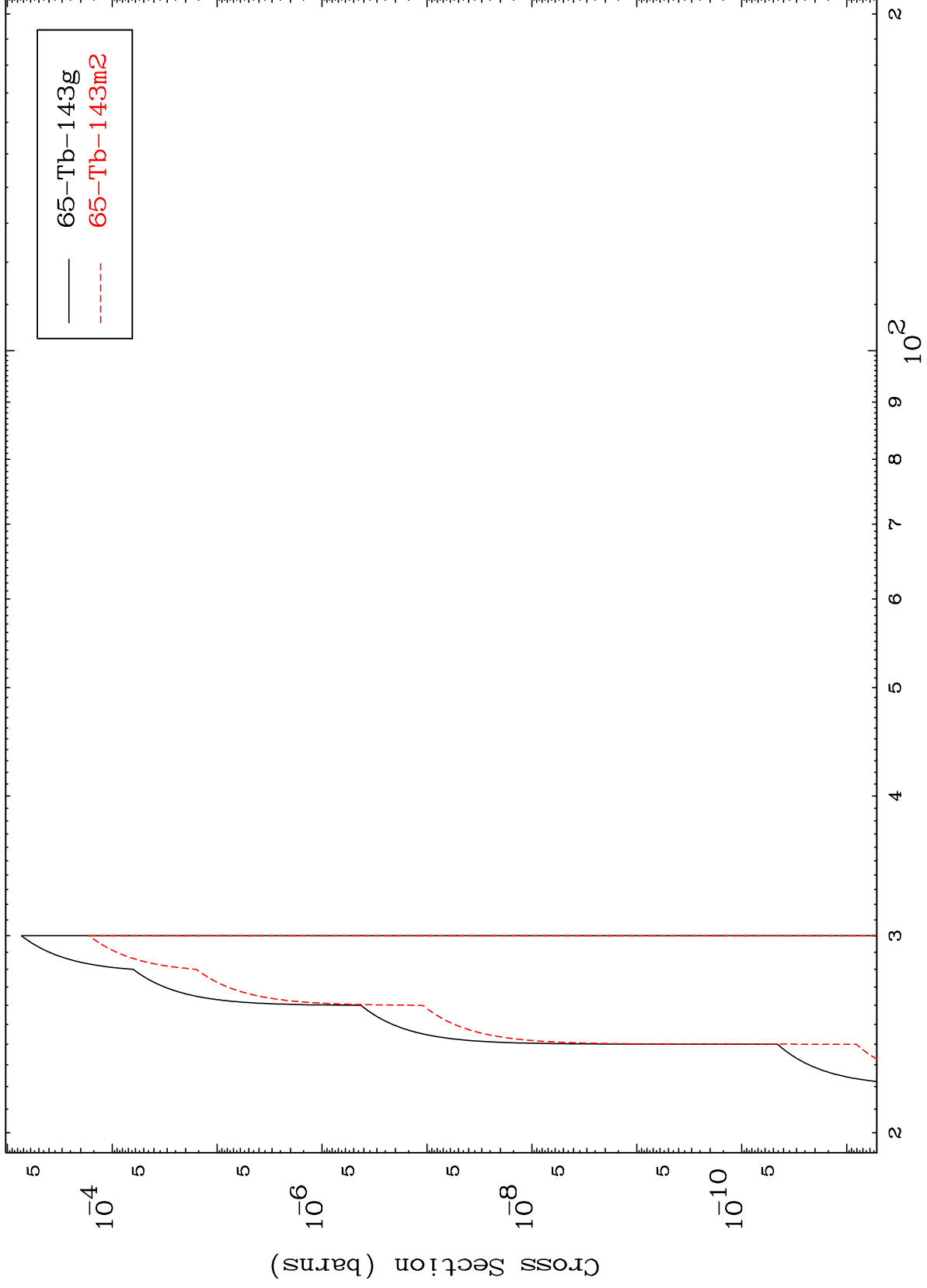
64-Gd-144

MAT 6401

(n,n') t

64-Gd-144

Radionuclide Production Cross Section



17

Incident Energy (MeV)

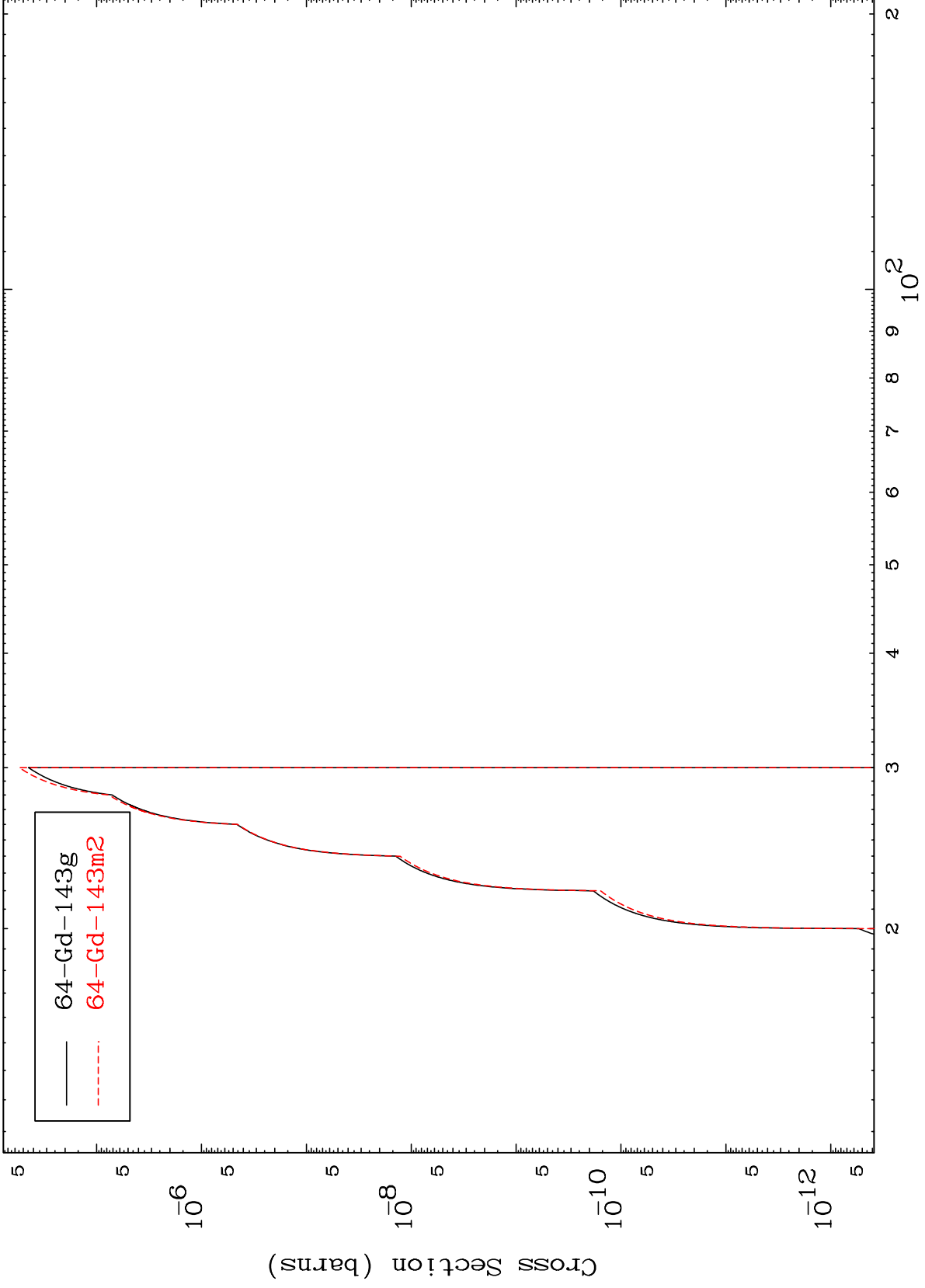
64-Gd-144

MAT 6401

(n,n') He-3

64-Gd-144

Radionuclide Production Cross Section



18

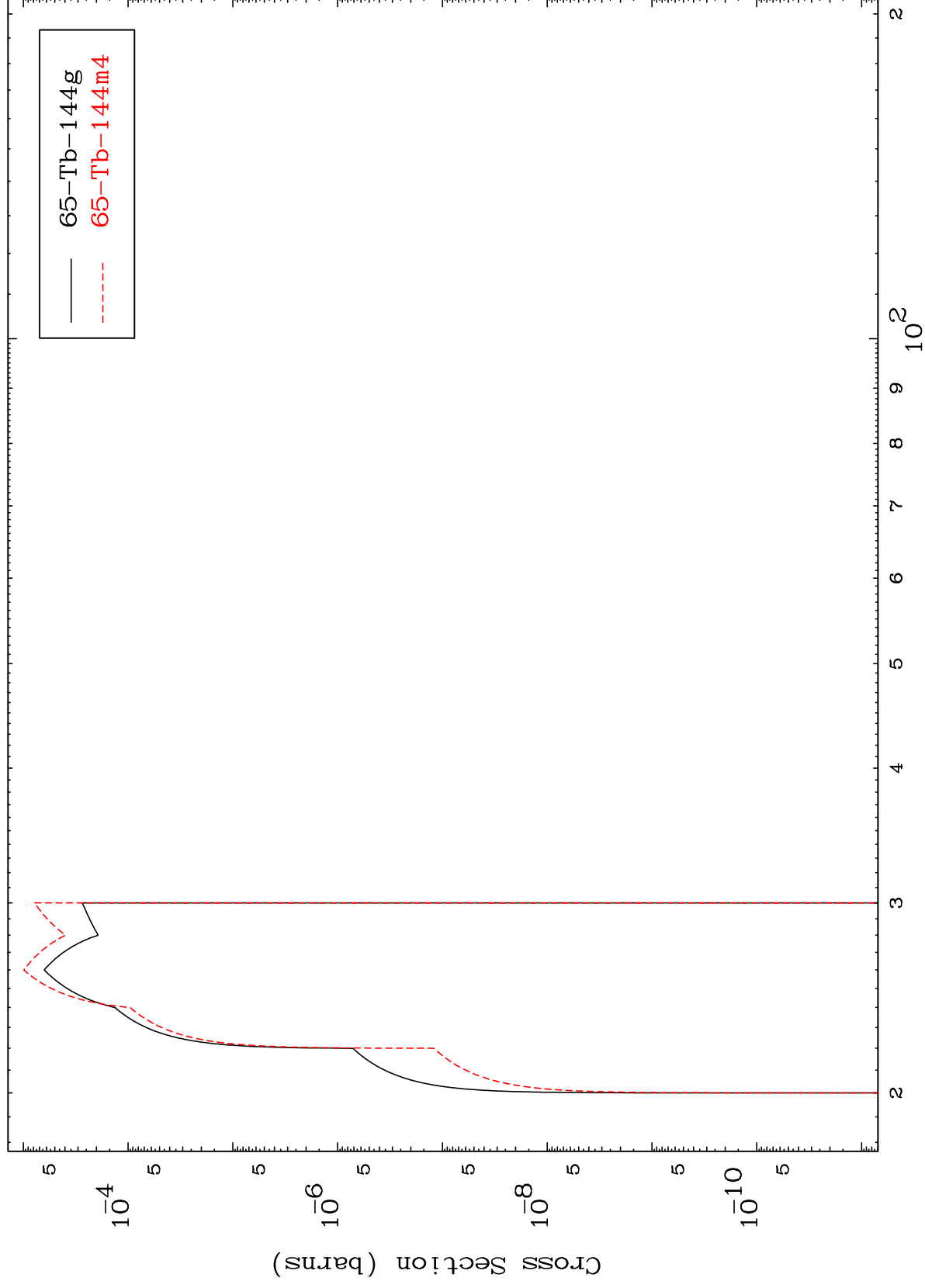
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

(n,2n) p
Radionuclide Production Cross Section



19

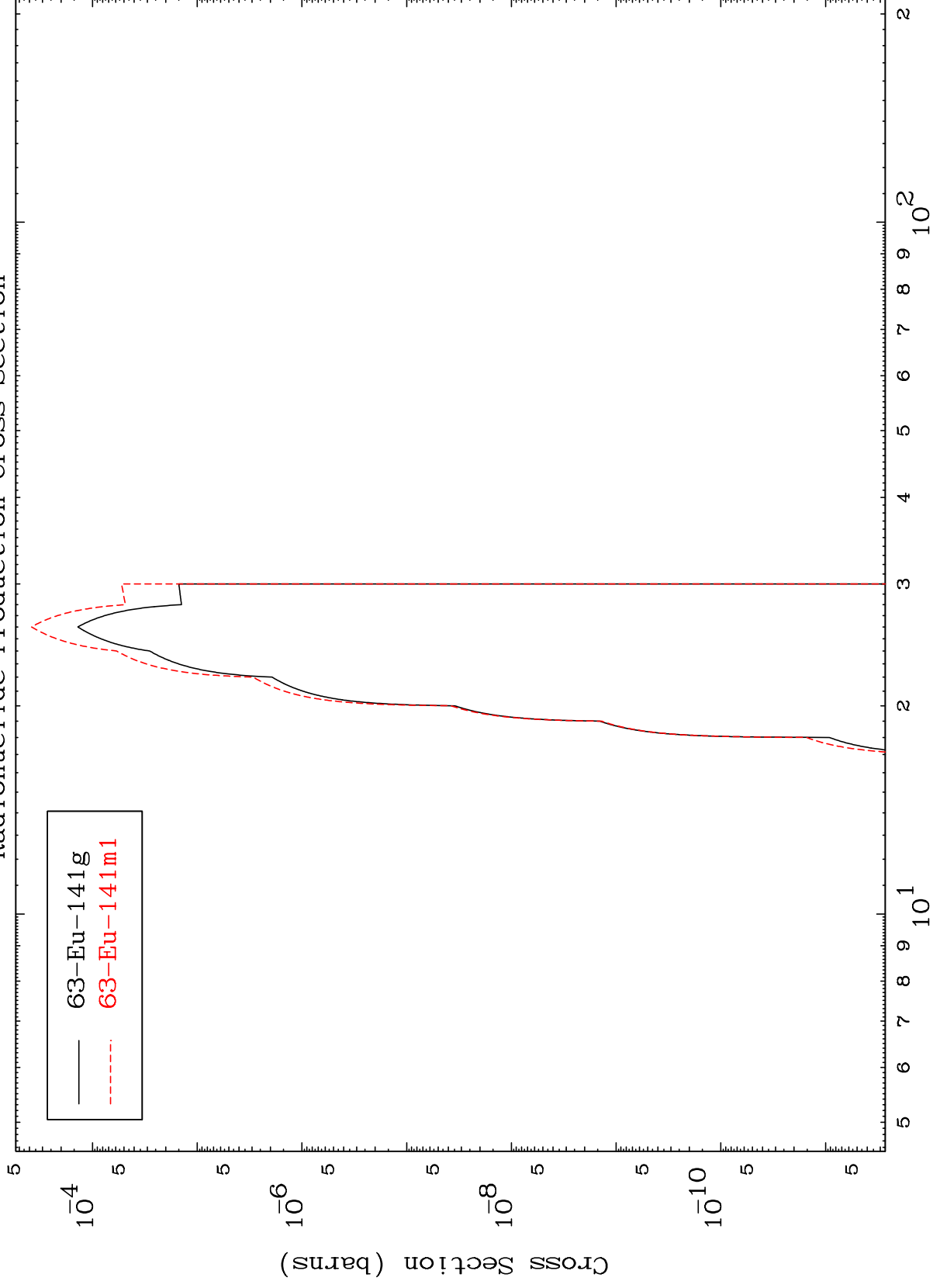
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

(n,n') p α
Radionuclide Production Cross Section



64-Gd-144

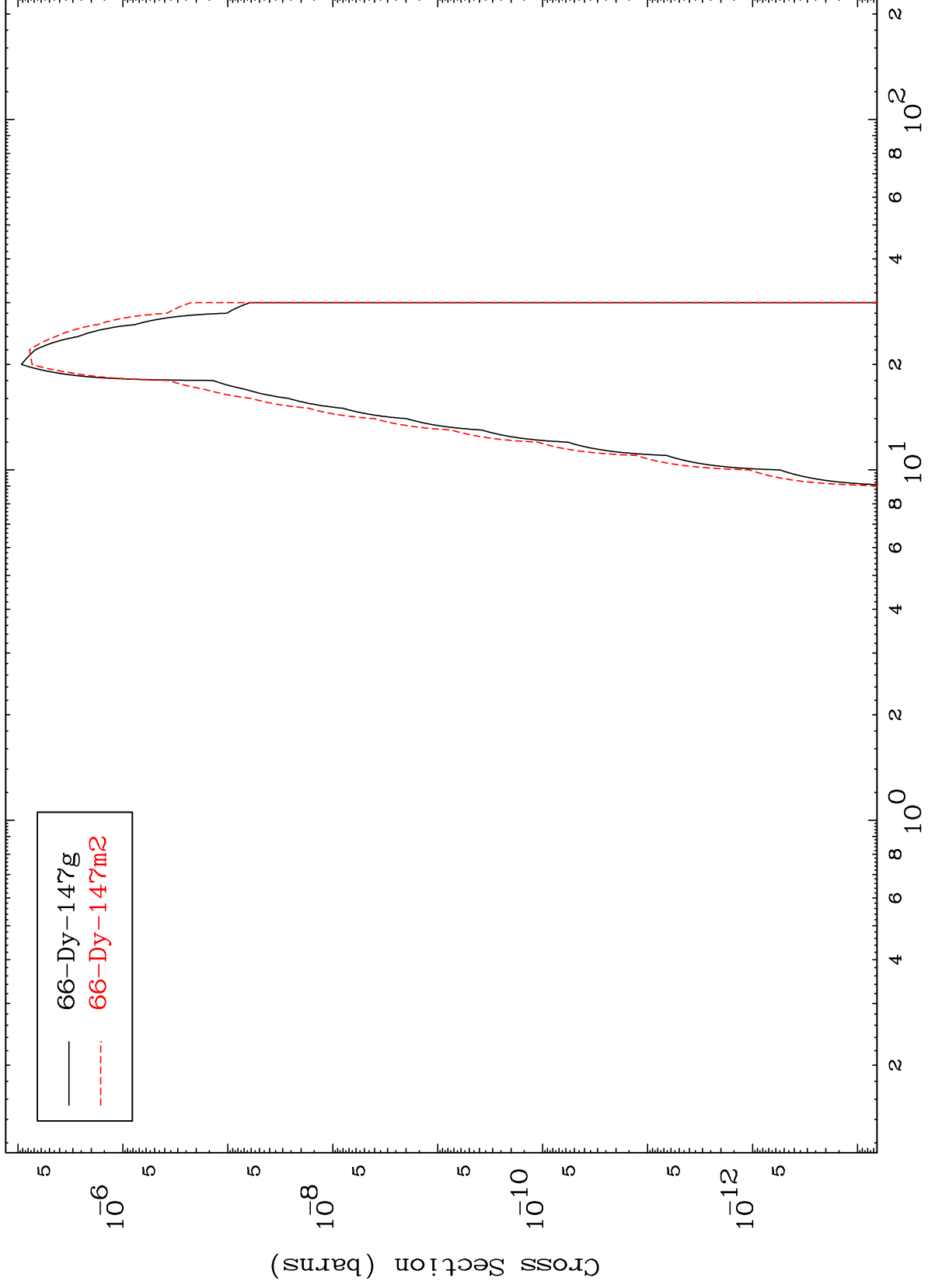
Incident Energy (MeV)

20

MAT 6401

64-Gd-144

(n, γ)
Radionuclide Production Cross Section

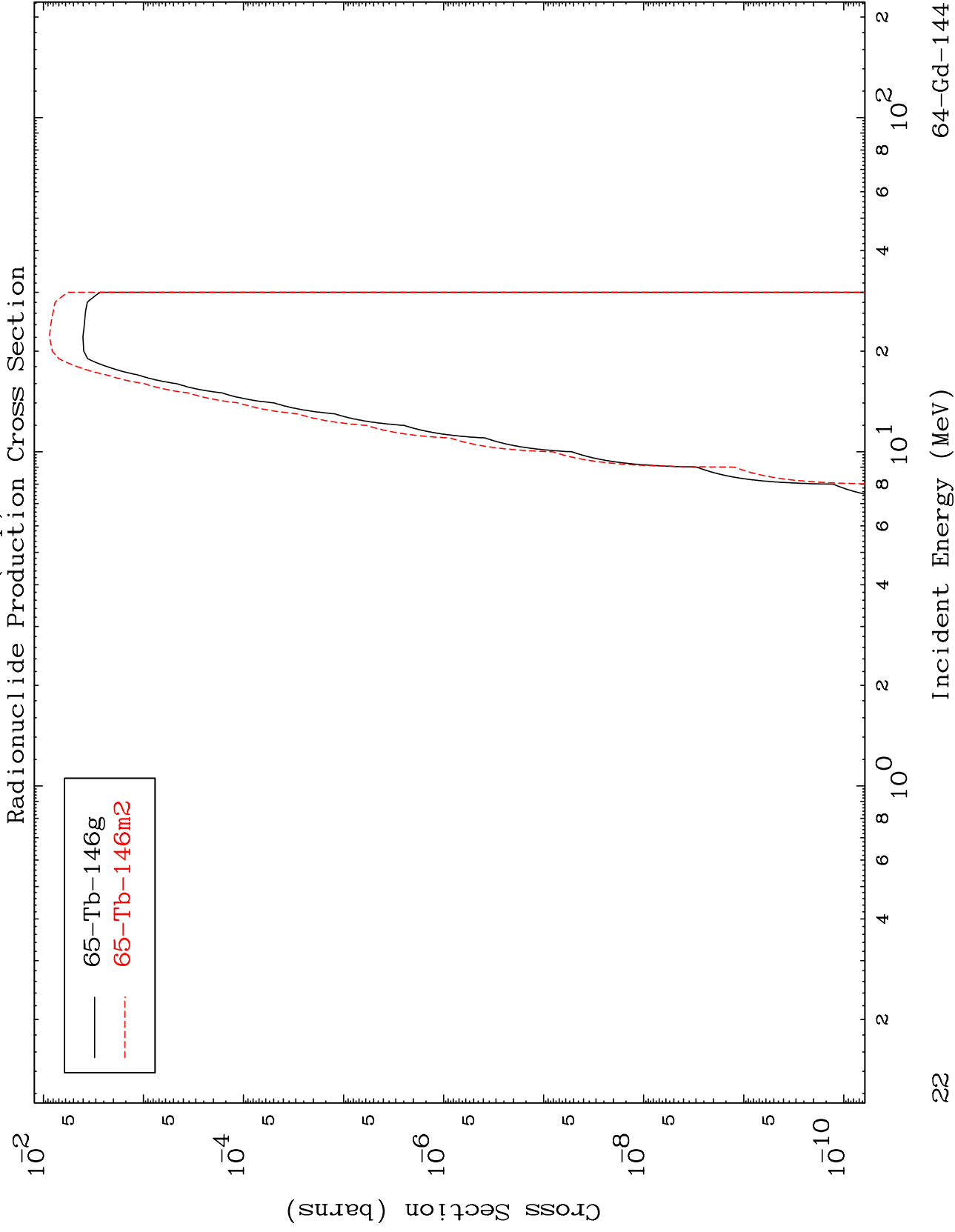


— 66-Dy-147g
- - - 66-Dy-147m2

MAT 6401

(n,p)

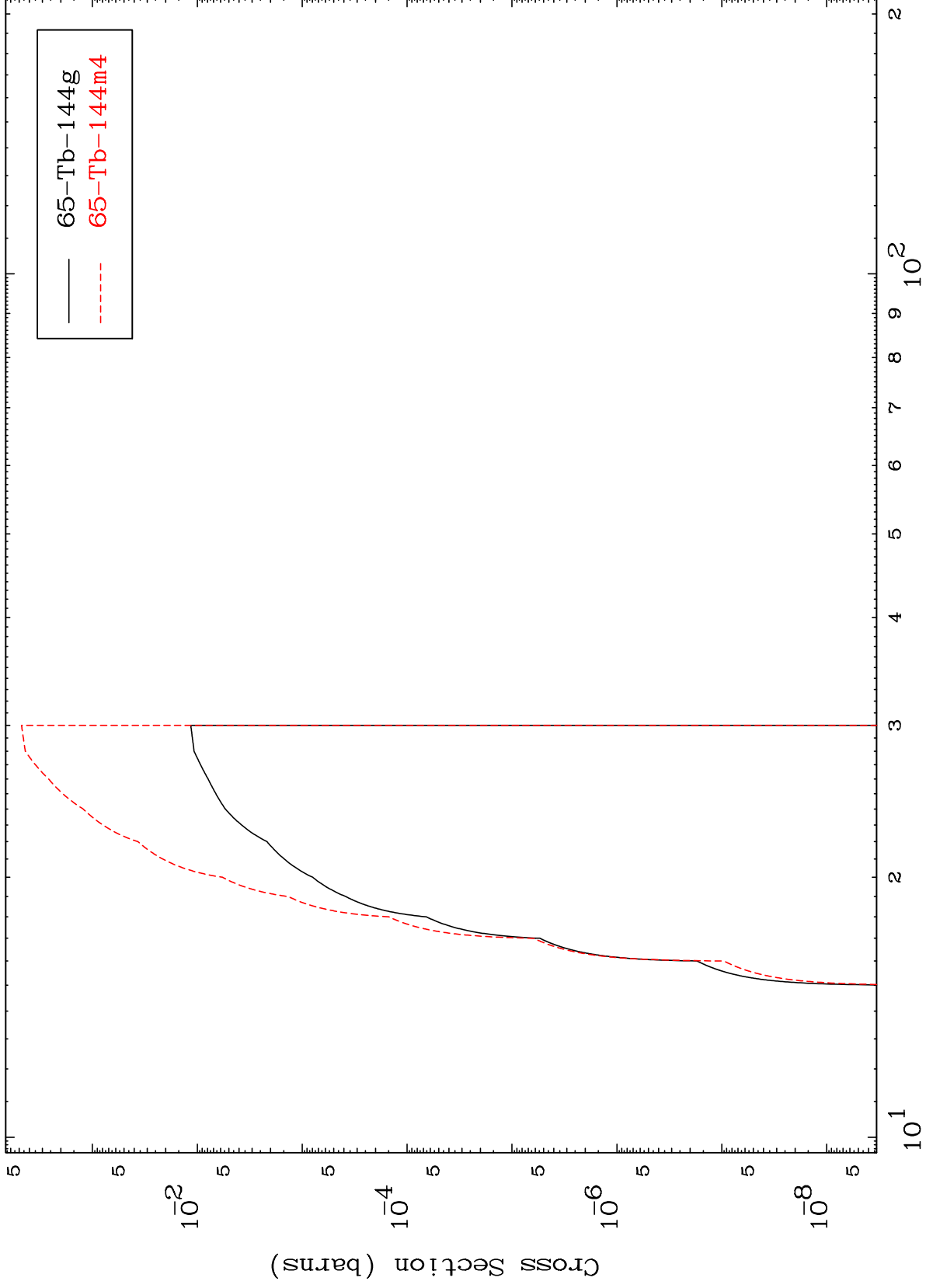
64-Gd-144



MAT 6401

64-Gd-144

(n, t)
Radionuclide Production Cross Section



64-Gd-144

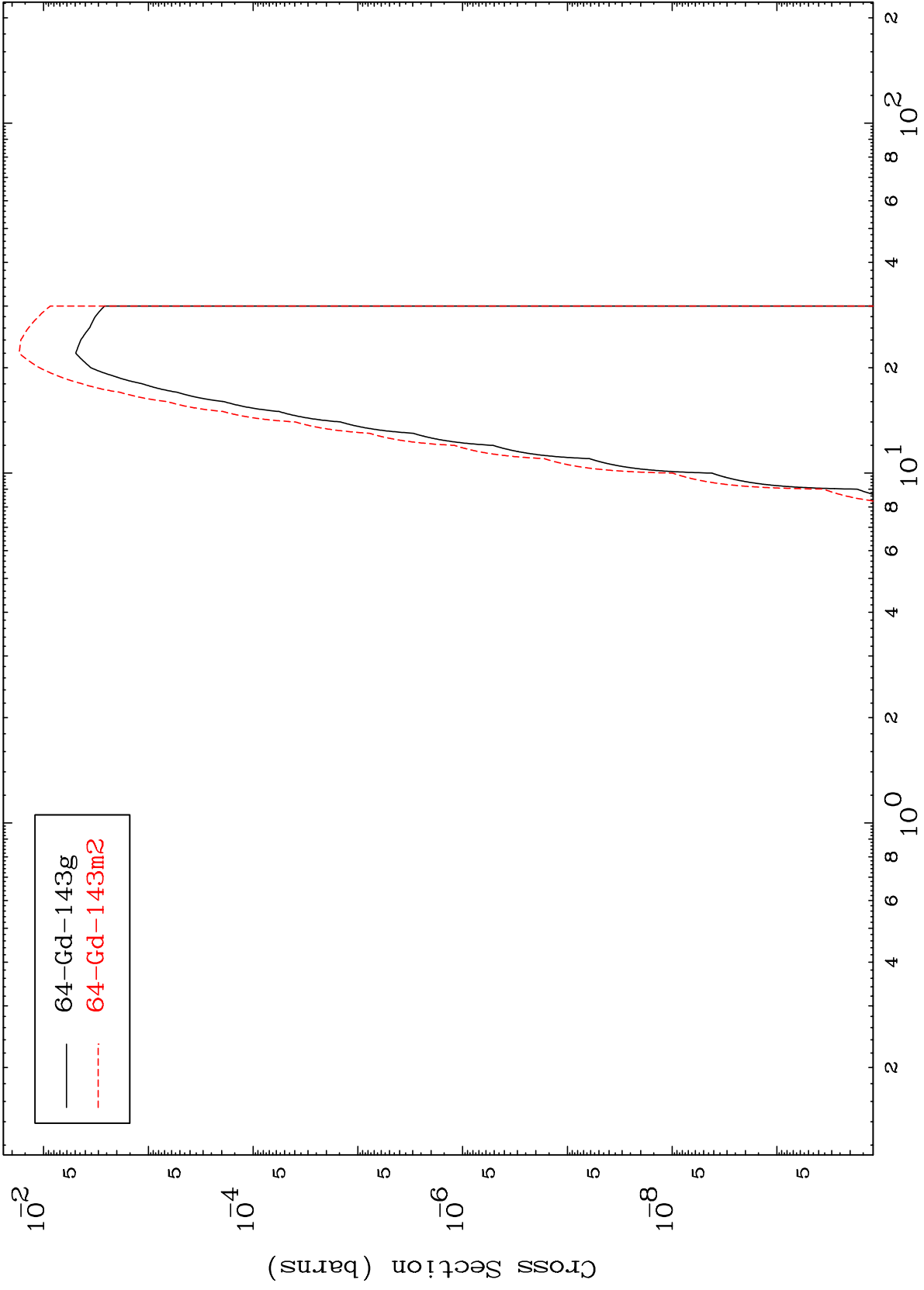
Incident Energy (MeV)

23

MAT 6401

64-Gd-144

(n, α)
Radionuclide Production Cross Section



24

64-Gd-144

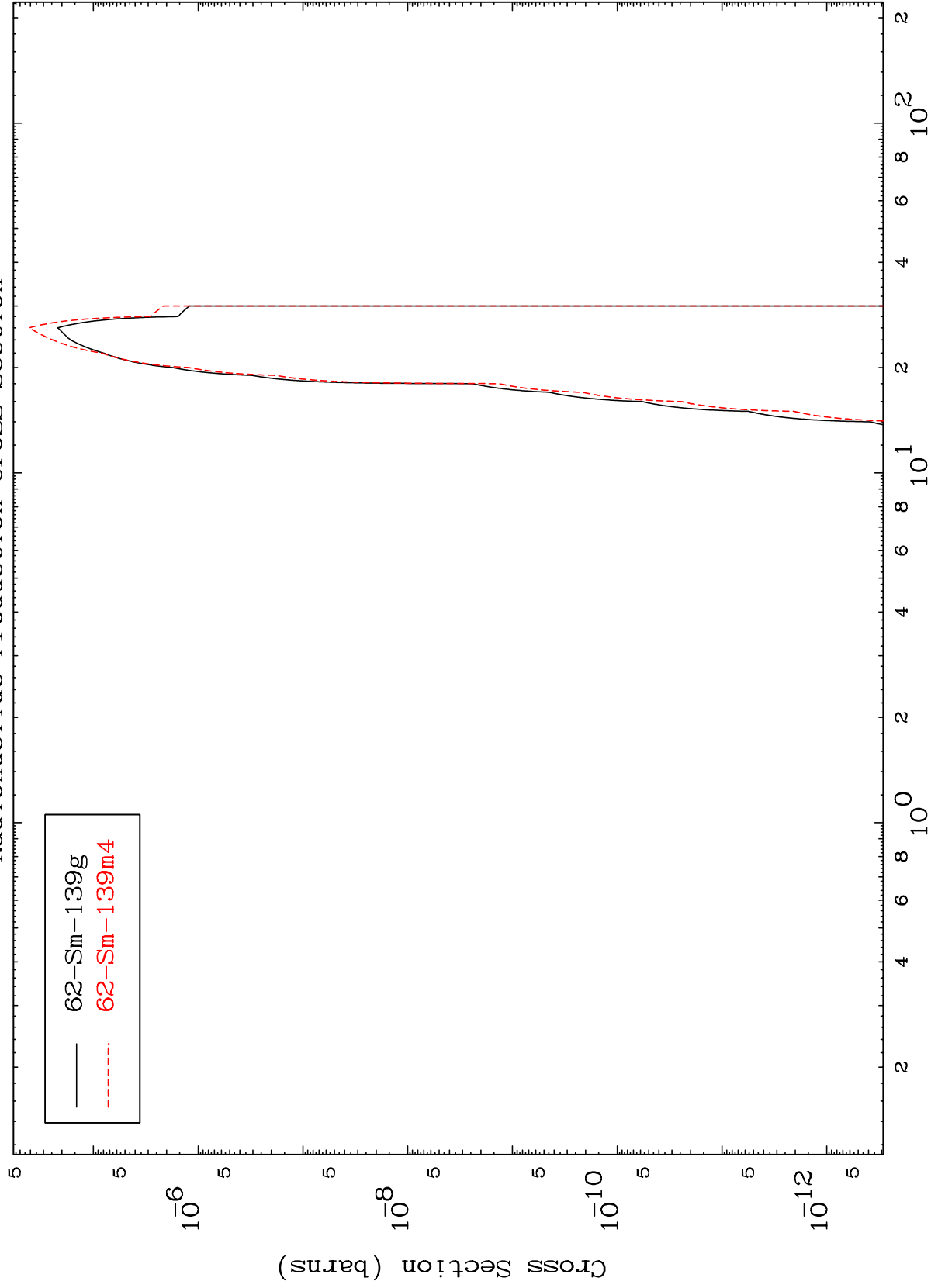
Incident Energy (MeV)

MAT 6401

(n,2α)

64-Gd-144

Radionuclide Production Cross Section



25

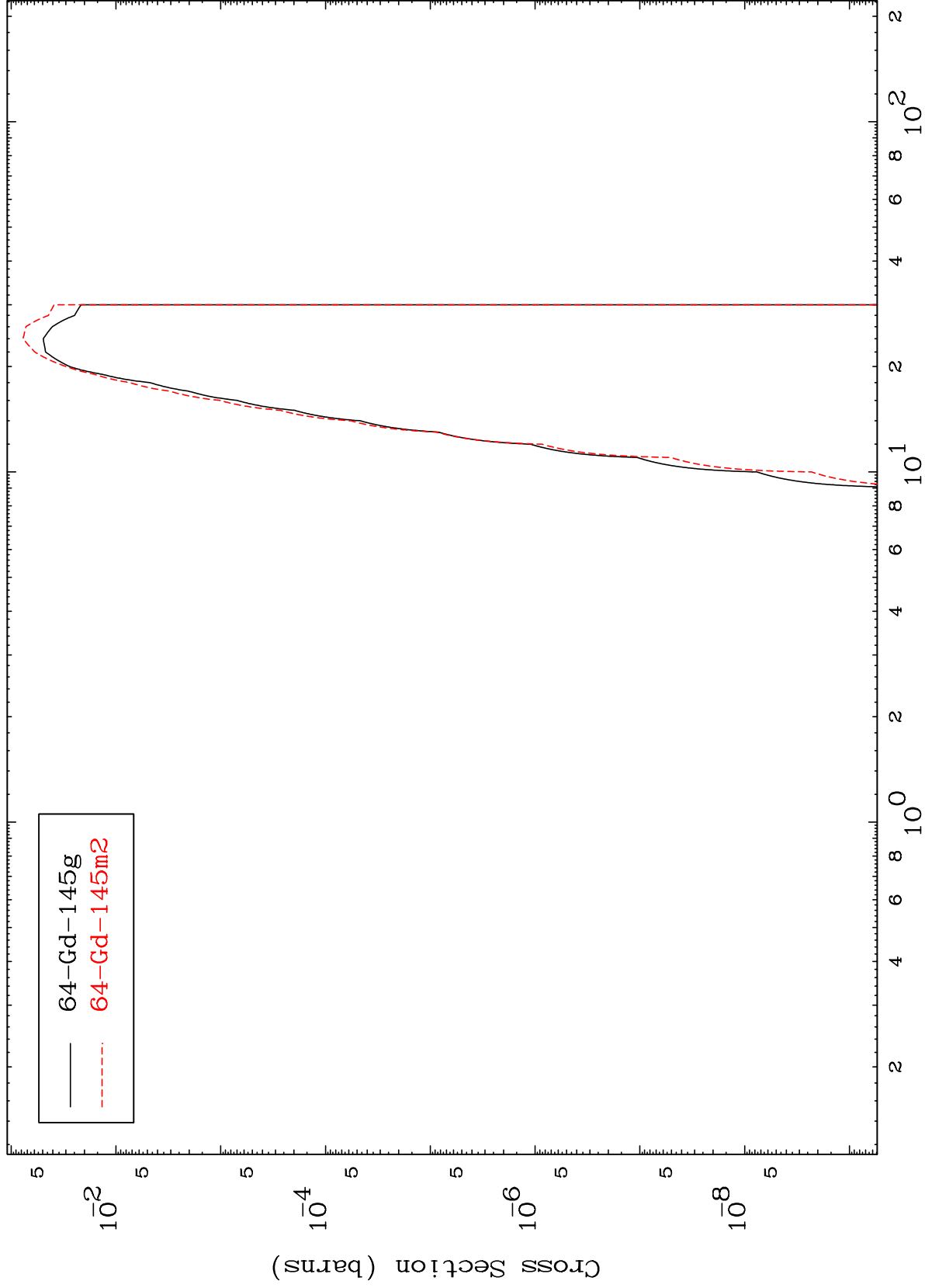
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

(n,2p)
Radionuclide Production Cross Section



26

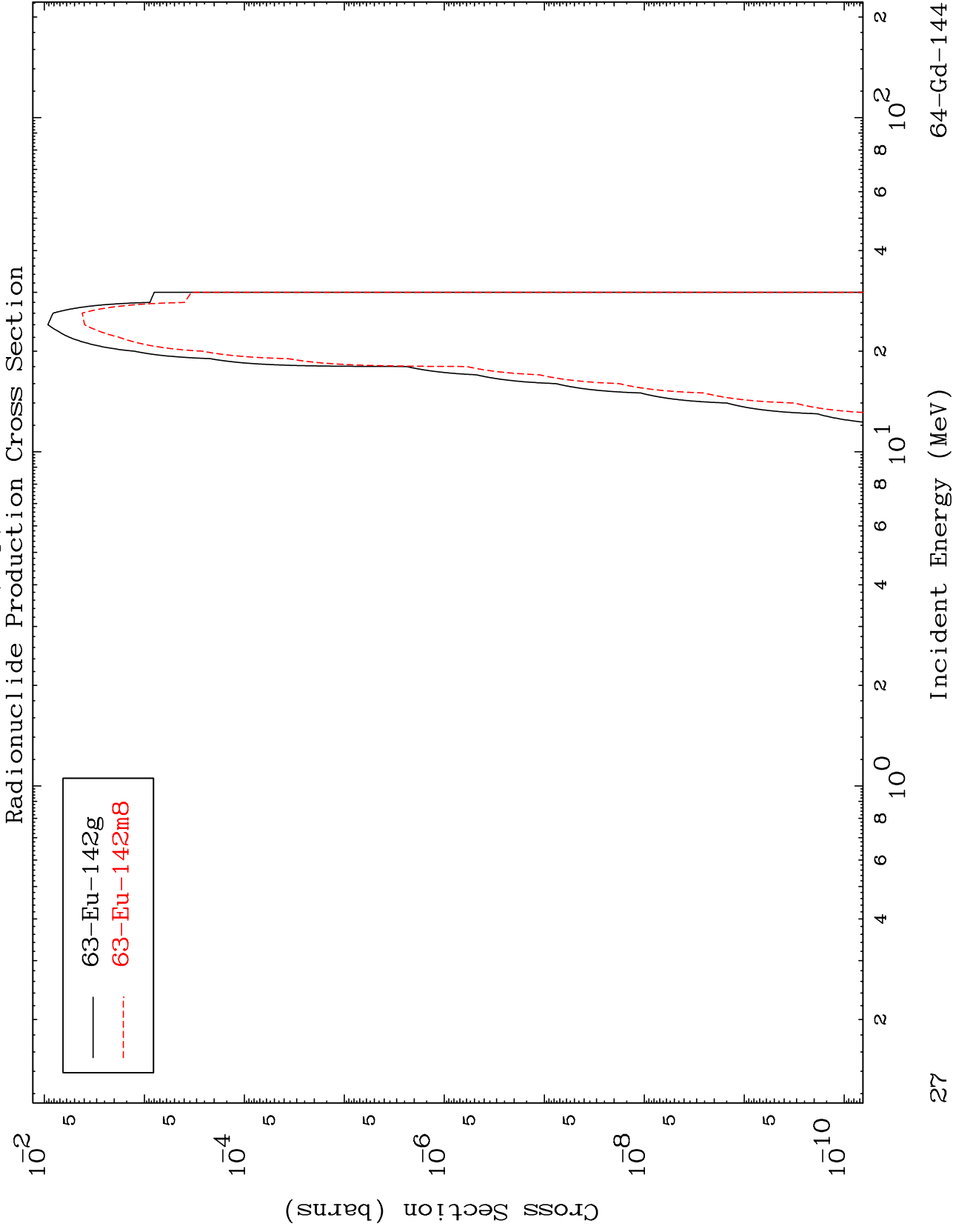
64-Gd-144

Incident Energy (MeV)

MAT 6401

(n,p) α

64-Gd-144

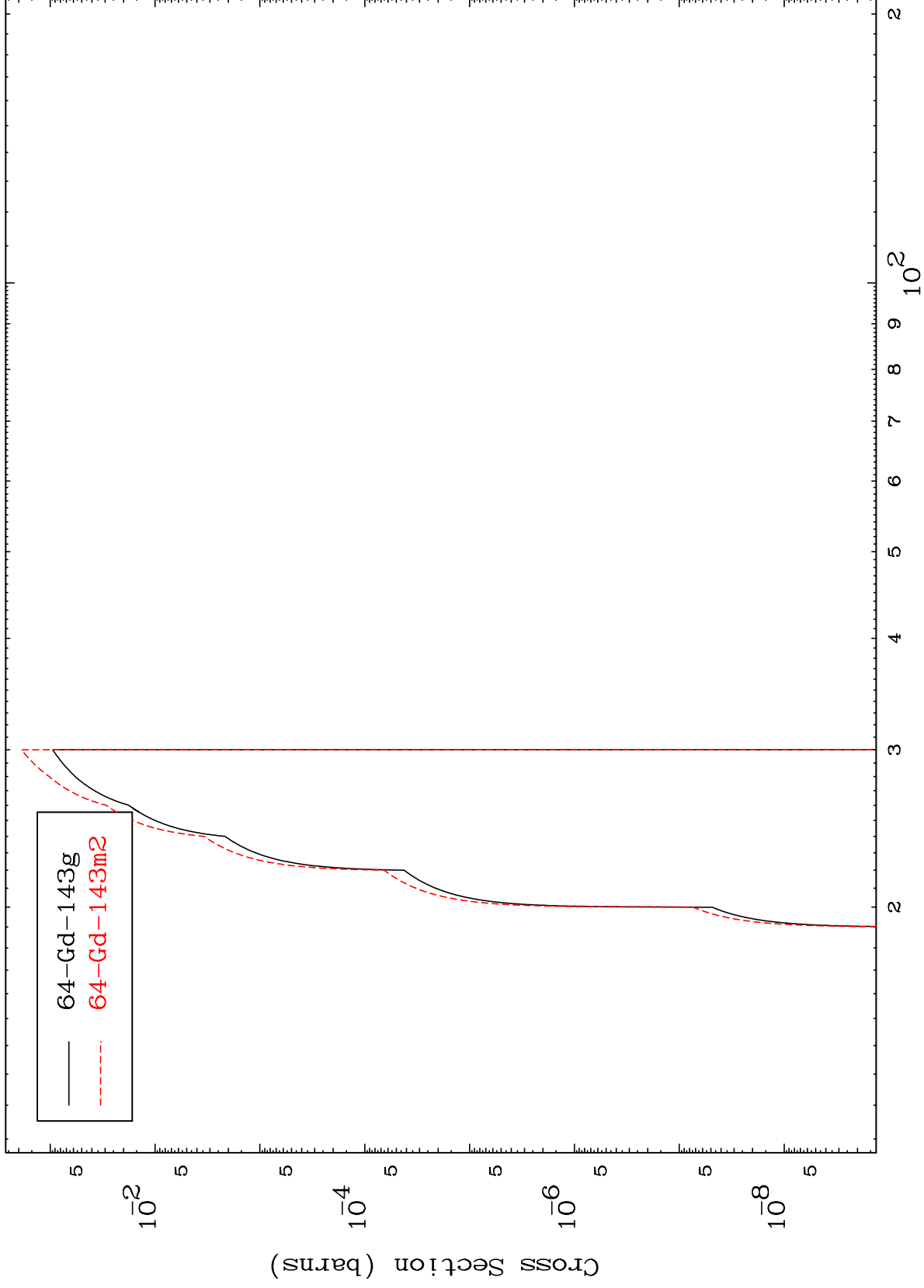


MAT 6401

(n,p) t

64-Gd-144

Radionuclide Production Cross Section



28

Incident Energy (MeV)

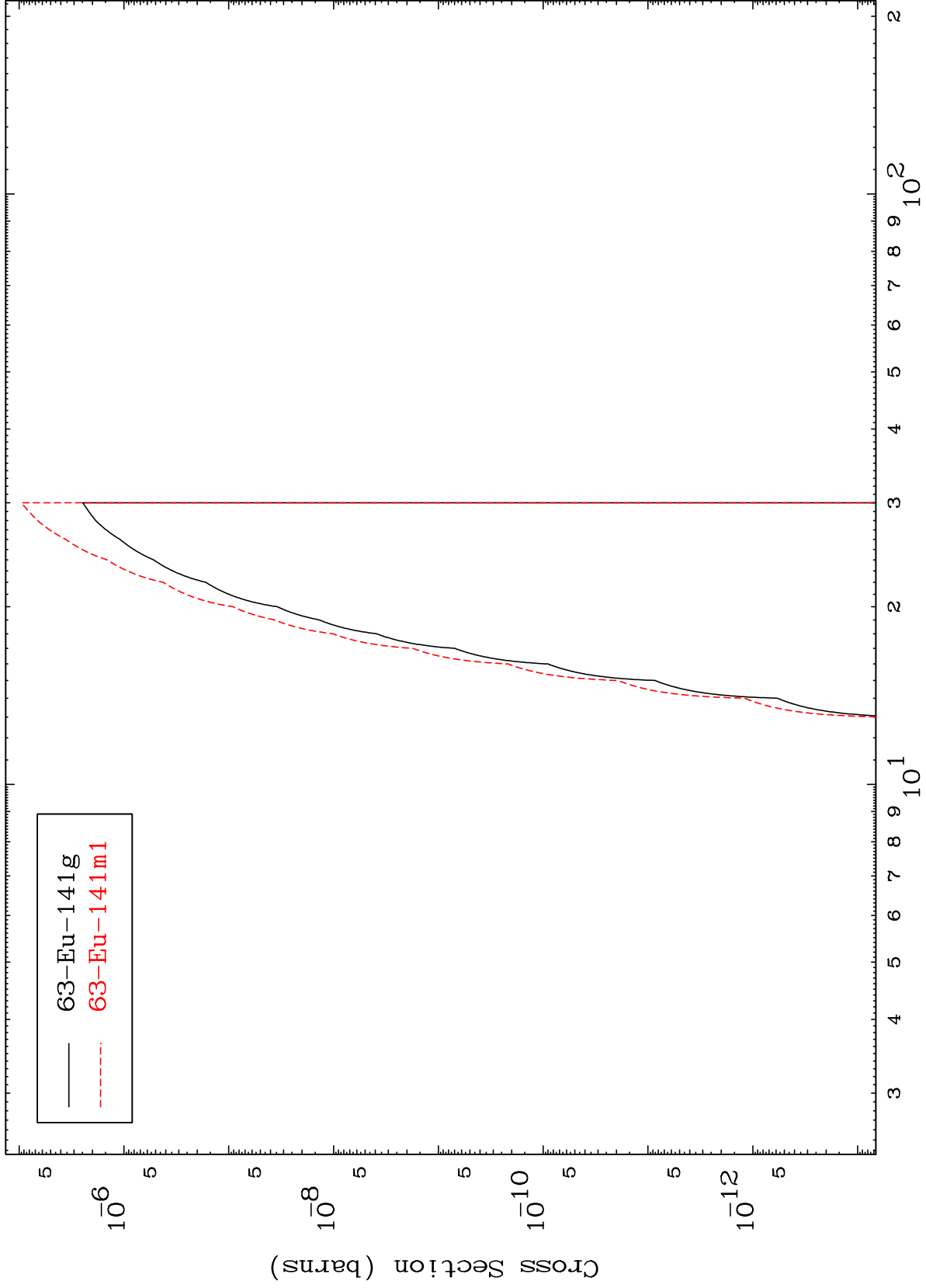
64-Gd-144

MAT 6401

(n,d) α

64-Gd-144

Radionuclide Production Cross Section



29

Incident Energy (MeV)

64-Gd-144