

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

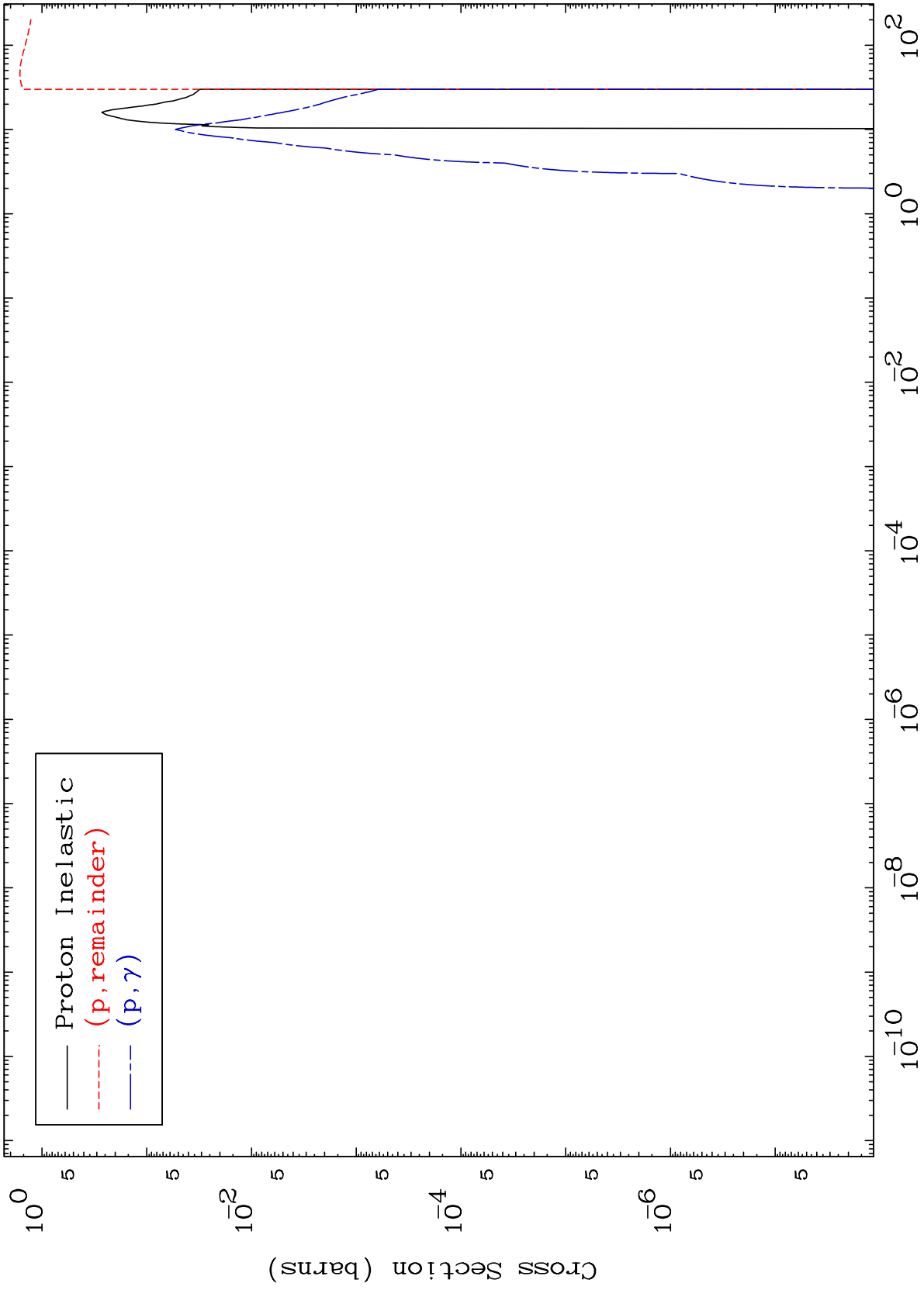
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6401

Proton Major
0 Kelvin Cross Sections

64-Gd-144



1

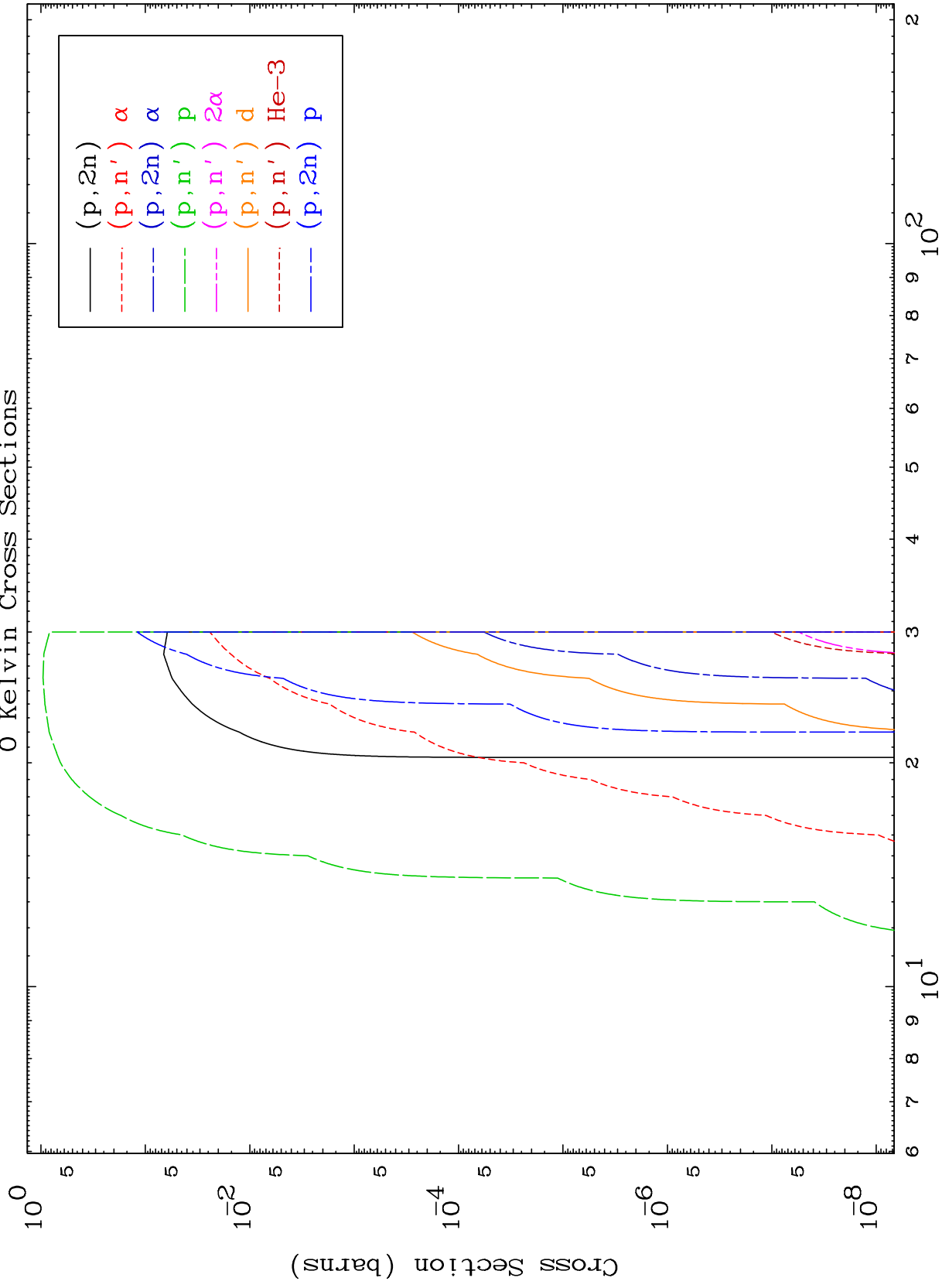
Incident Energy (MeV)

64-Gd-144

MAT 6401

Proton Neutron Production
0 Kelvin Cross Sections

64-Gd-144



2

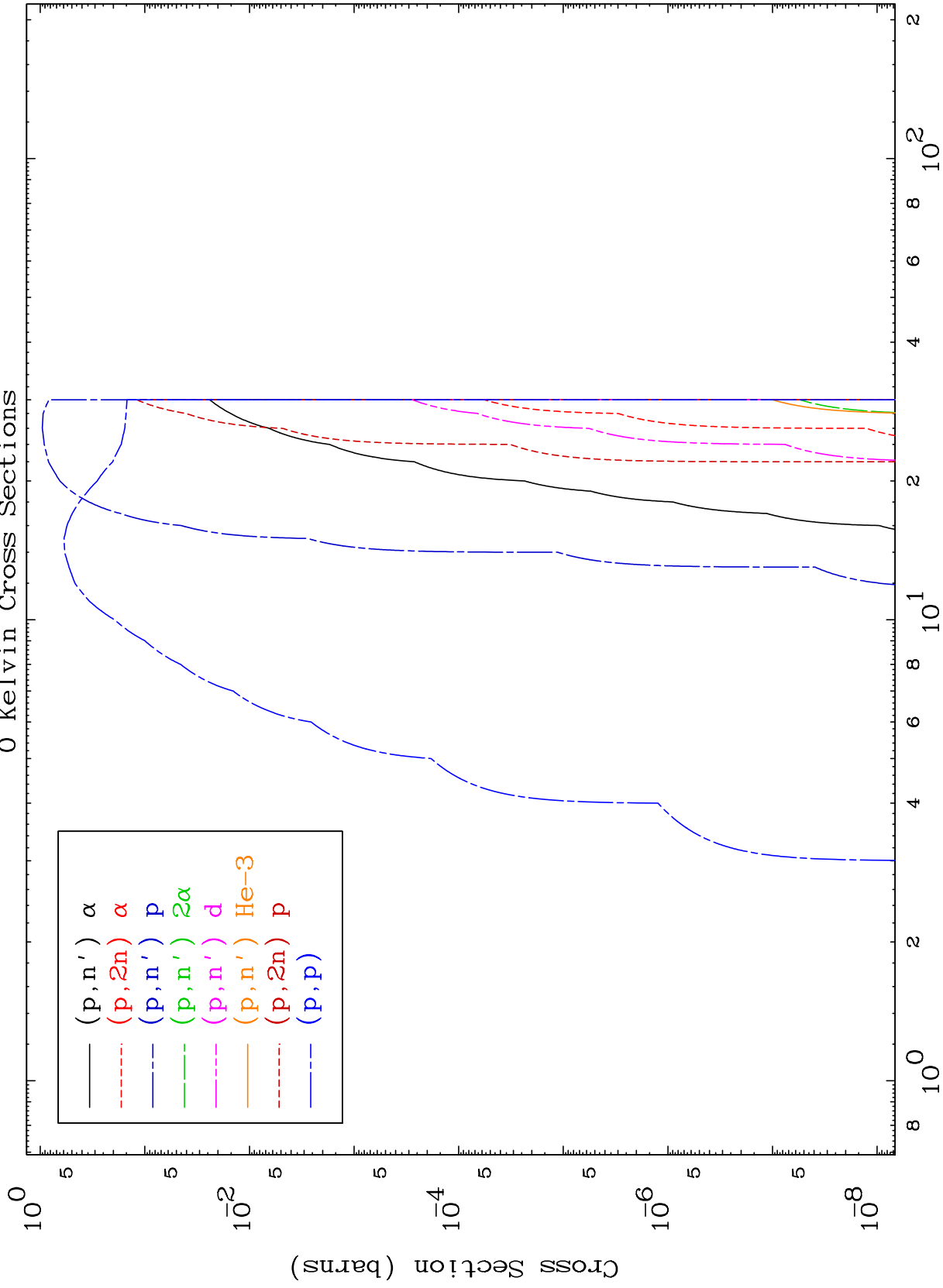
Incident Energy (MeV)

64-Gd-144

MAT 6401

Proton Charged Particle
0 Kelvin Cross Sections

64-Gd-144



3

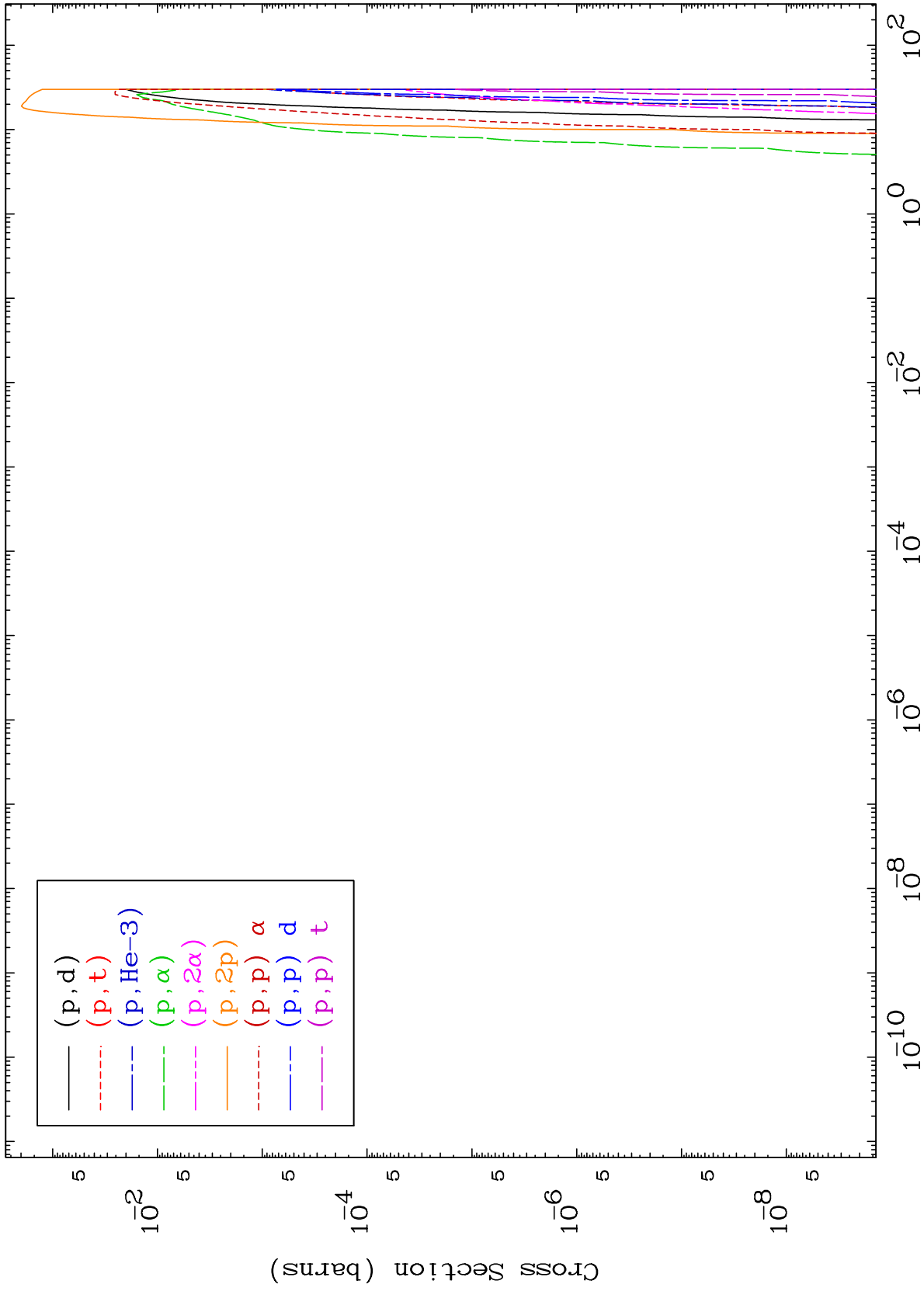
Incident Energy (MeV)

64-Gd-144

MAT 6401

Proton Charged Particle
0 Kelvin Cross Sections

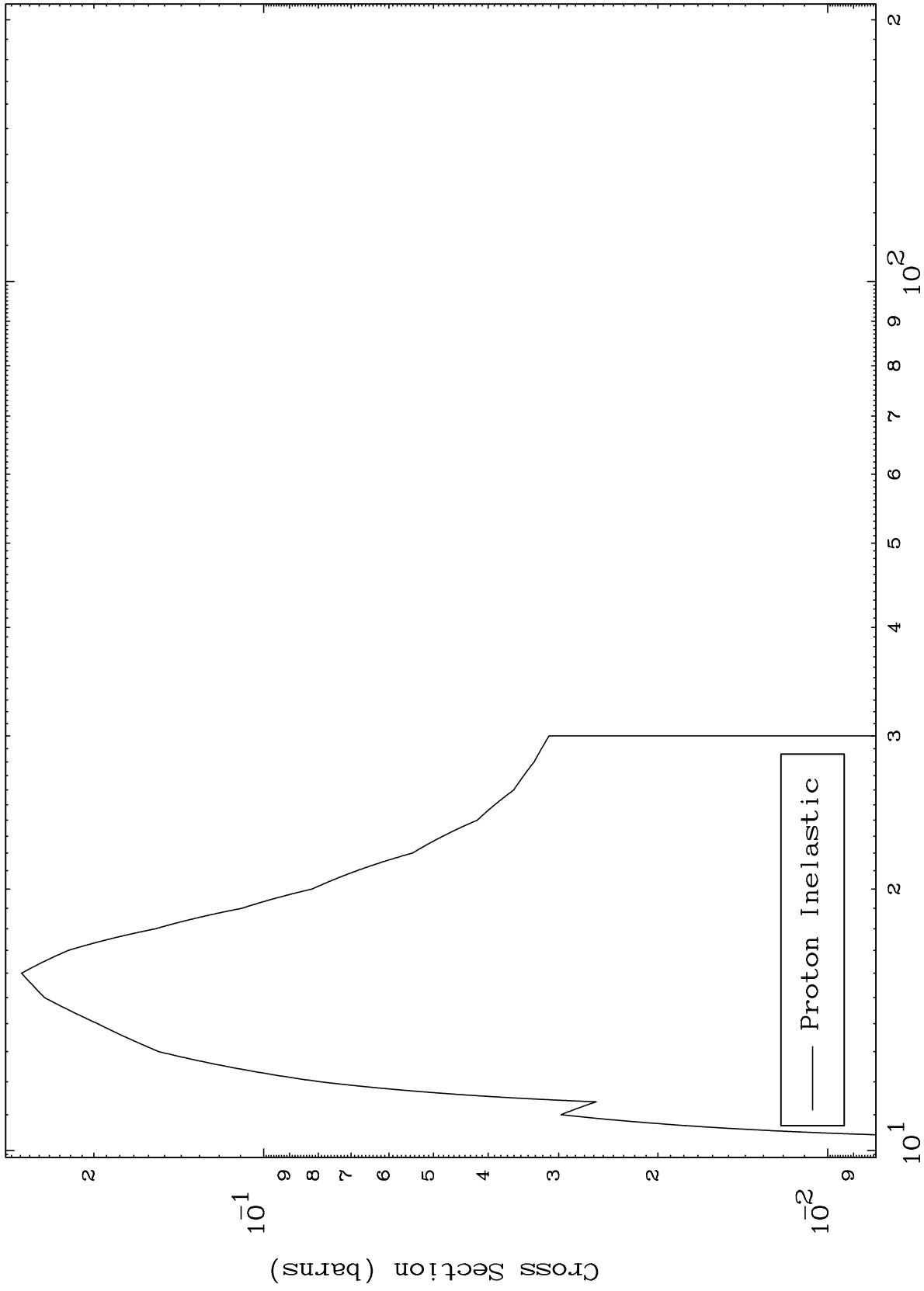
64-Gd-144



MAT 6401

(p,n') Level
0 Kelvin Cross Sections

64-Gd-144



Proton Inelastic

5

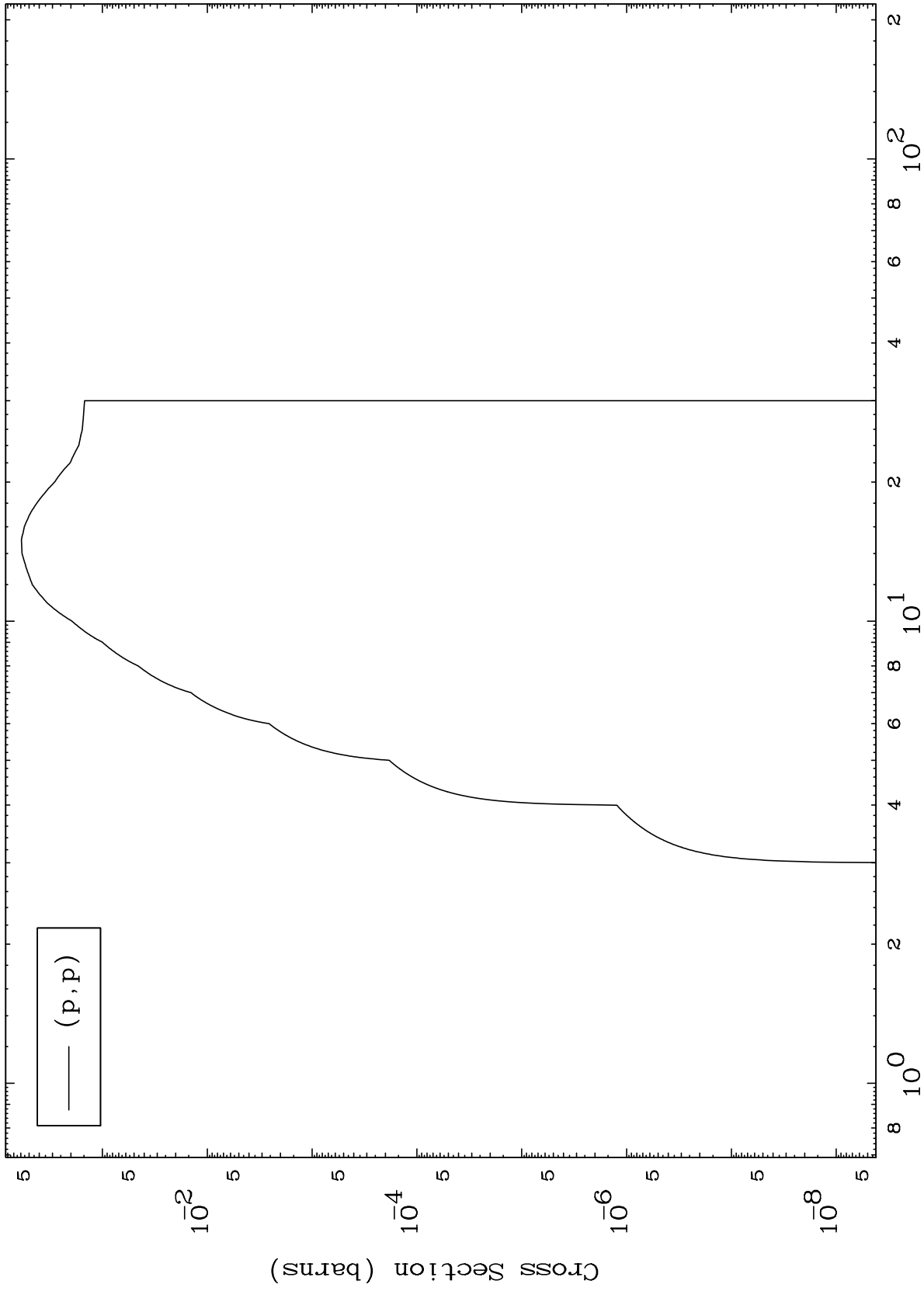
Incident Energy (MeV)

64-Gd-144

MAT 6401

(p,p) Levels
0 Kelvin Cross Sections

64-Gd-144



6

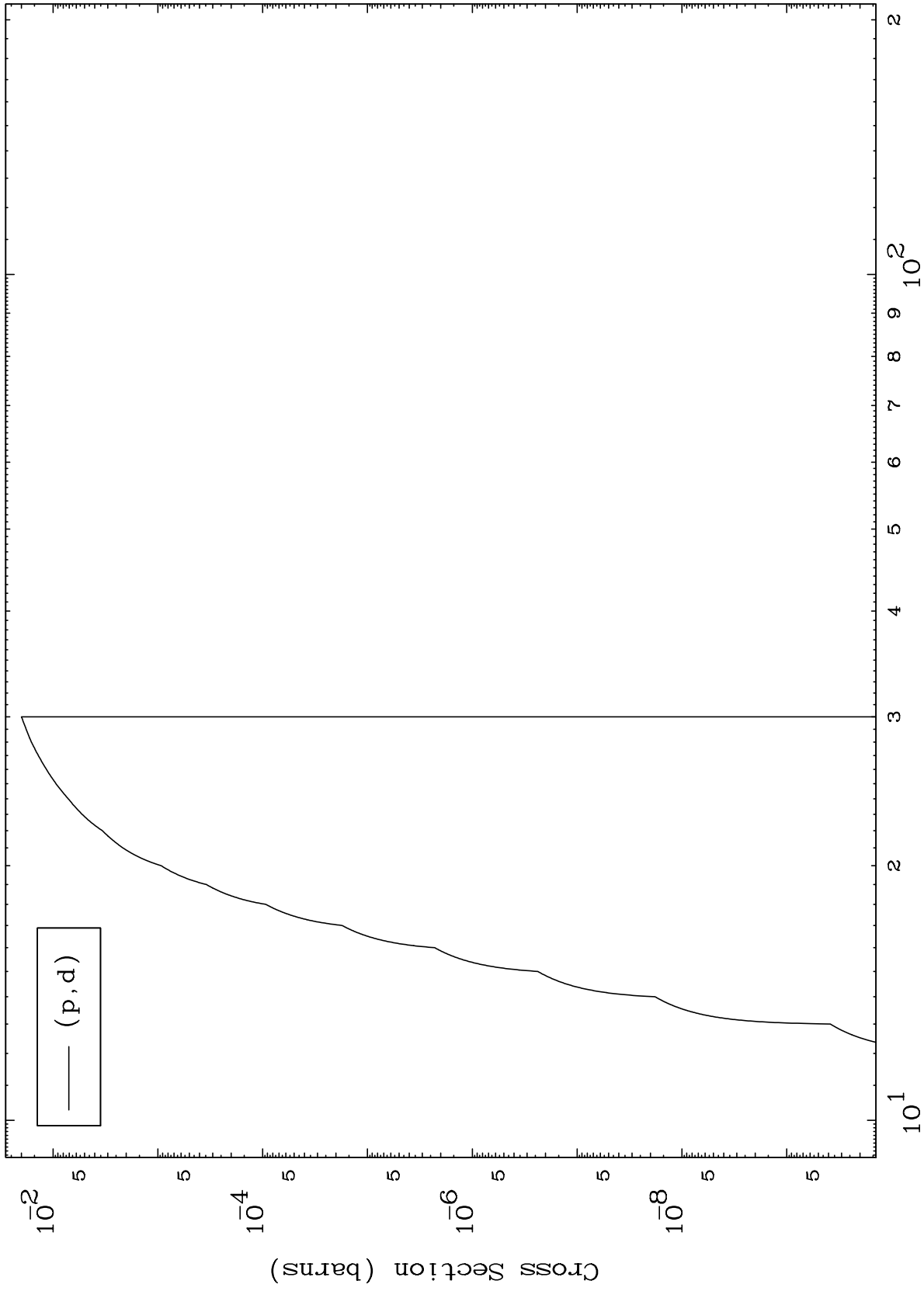
Incident Energy (MeV)

64-Gd-144

MAT 6401

(p,d) Levels
0 Kelvin Cross Sections

64-Gd-144



64-Gd-144

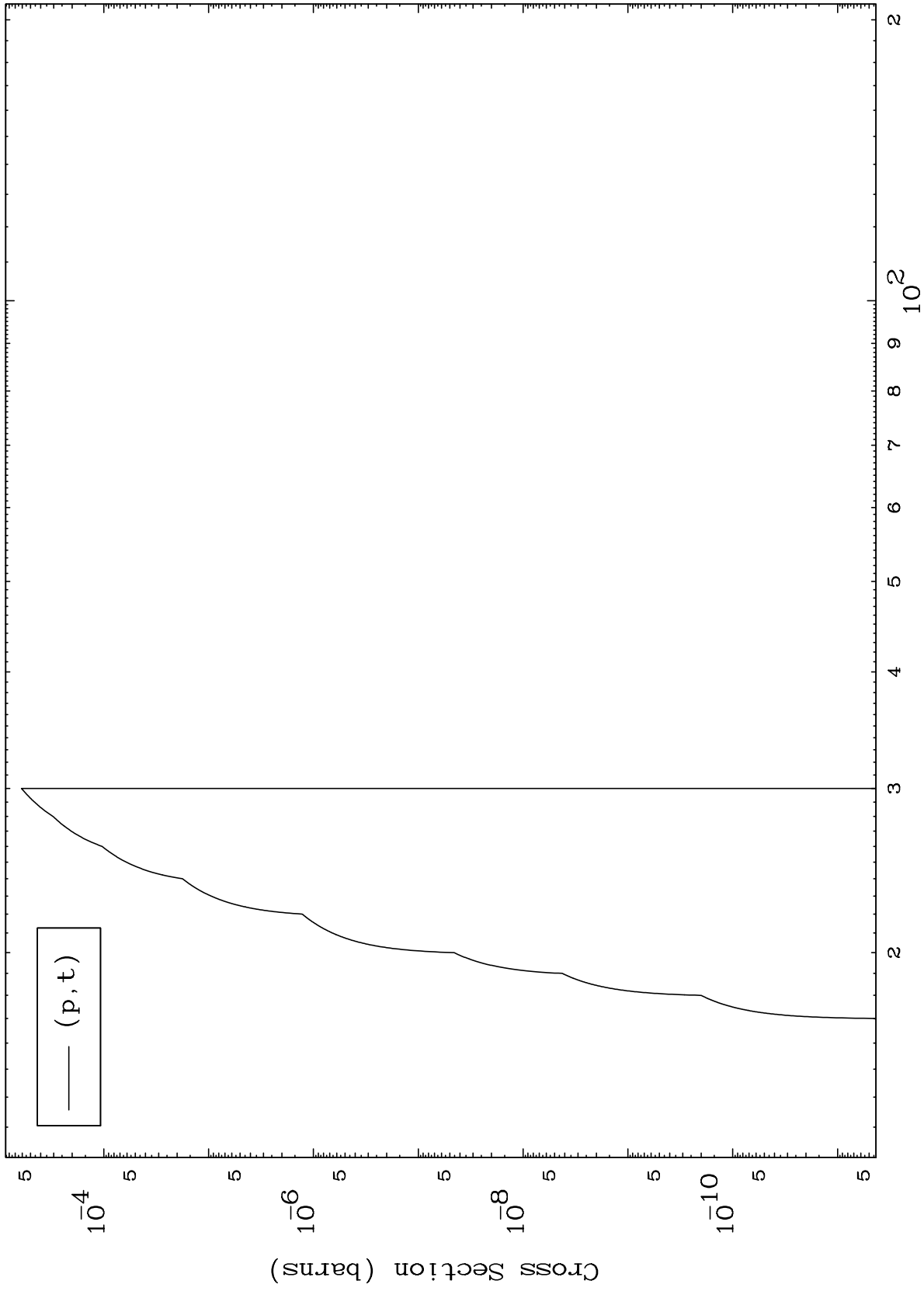
Incident Energy (MeV)

7

MAT 6401

(p,t) Levels
0 Kelvin Cross Sections

64-Gd-144



8

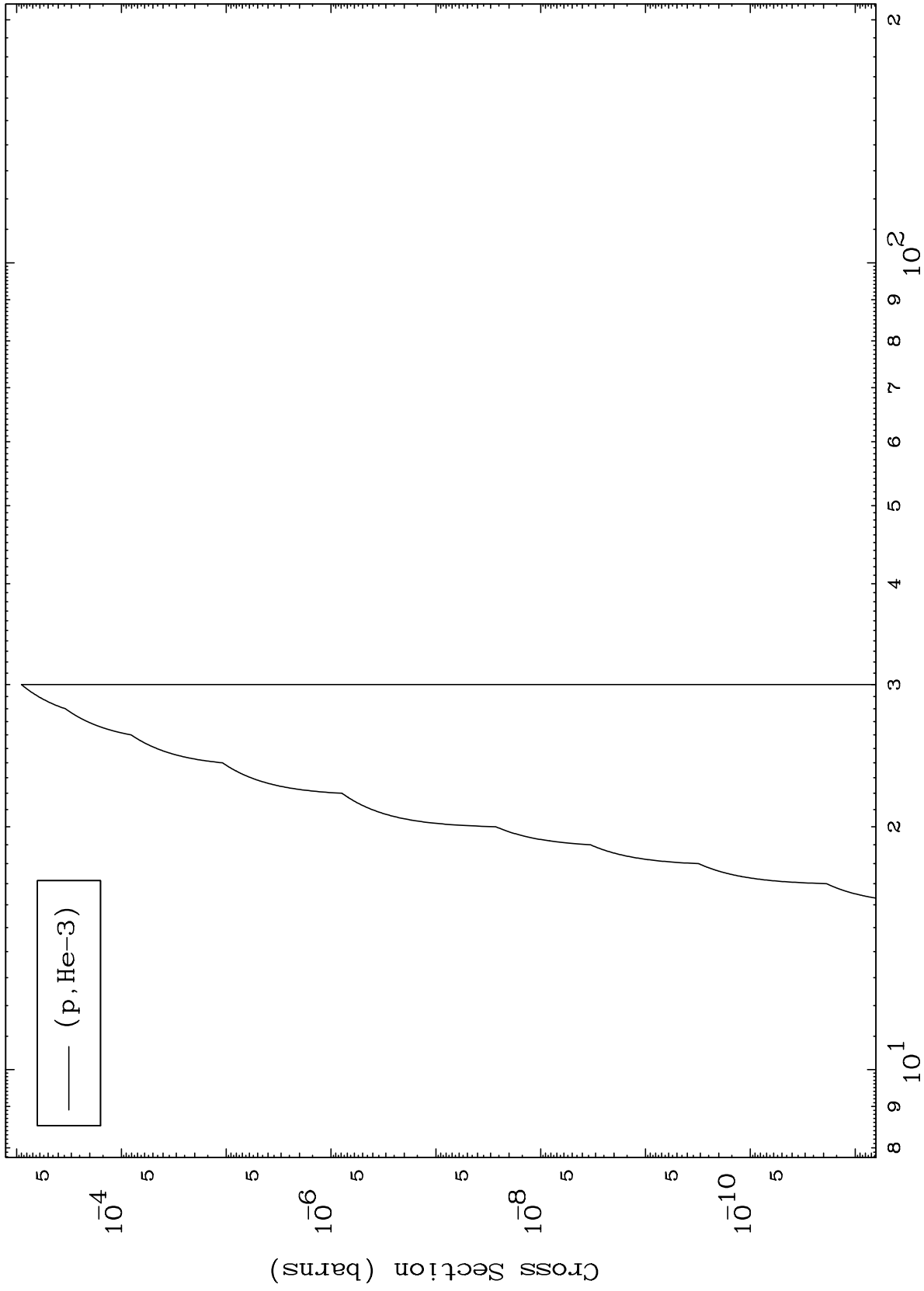
Incident Energy (MeV)

64-Gd-144

MAT 6401

(p,He3) Levels
0 Kelvin Cross Sections

64-Gd-144



9

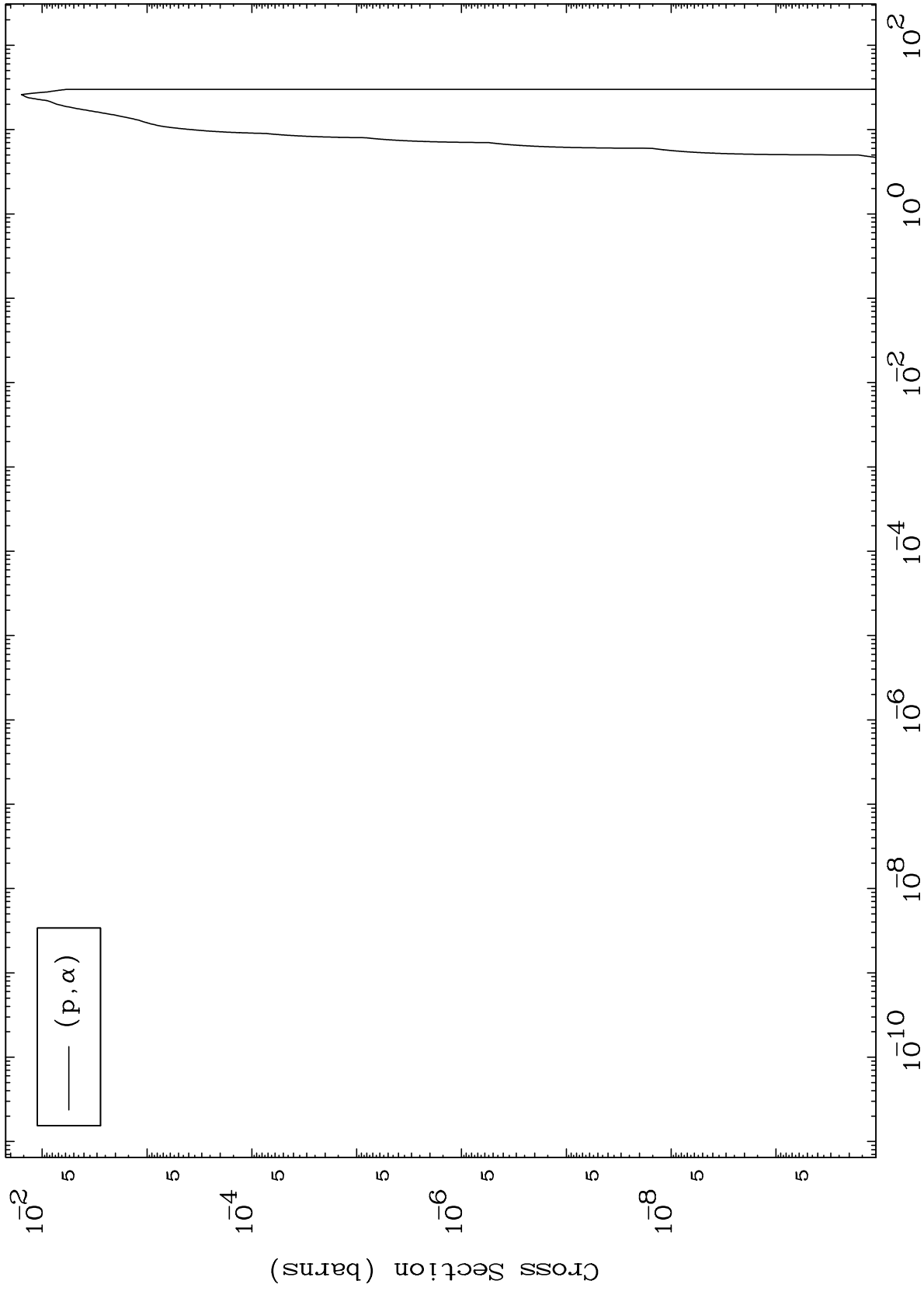
Incident Energy (MeV)

64-Gd-144

MAT 6401

(p,α) Levels
0 Kelvin Cross Sections

64-Gd-144



10

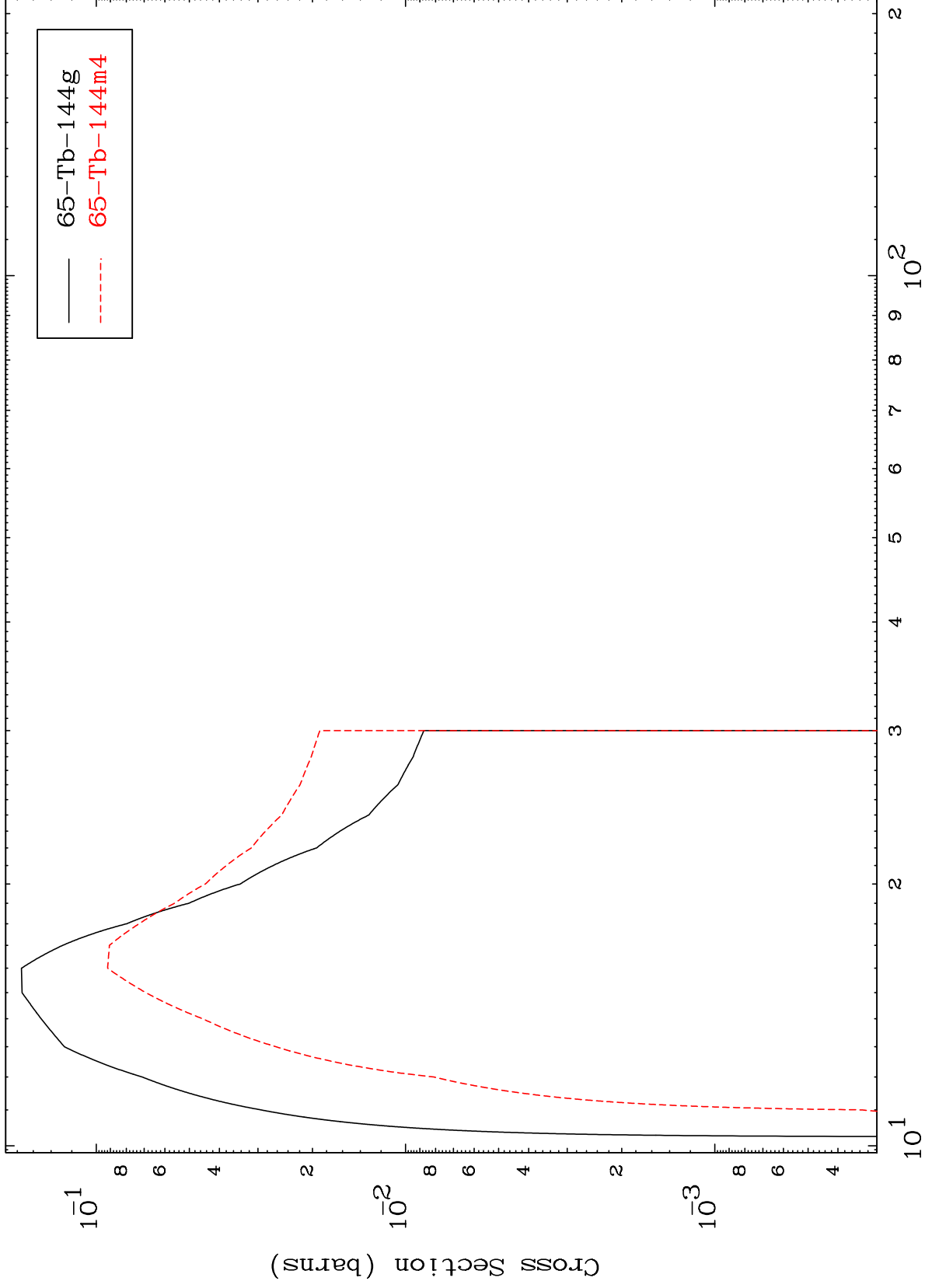
Incident Energy (MeV)

64-Gd-144

MAT 6401

Proton Inelastic
Radionuclide Production Cross Section

64-Gd-144



11

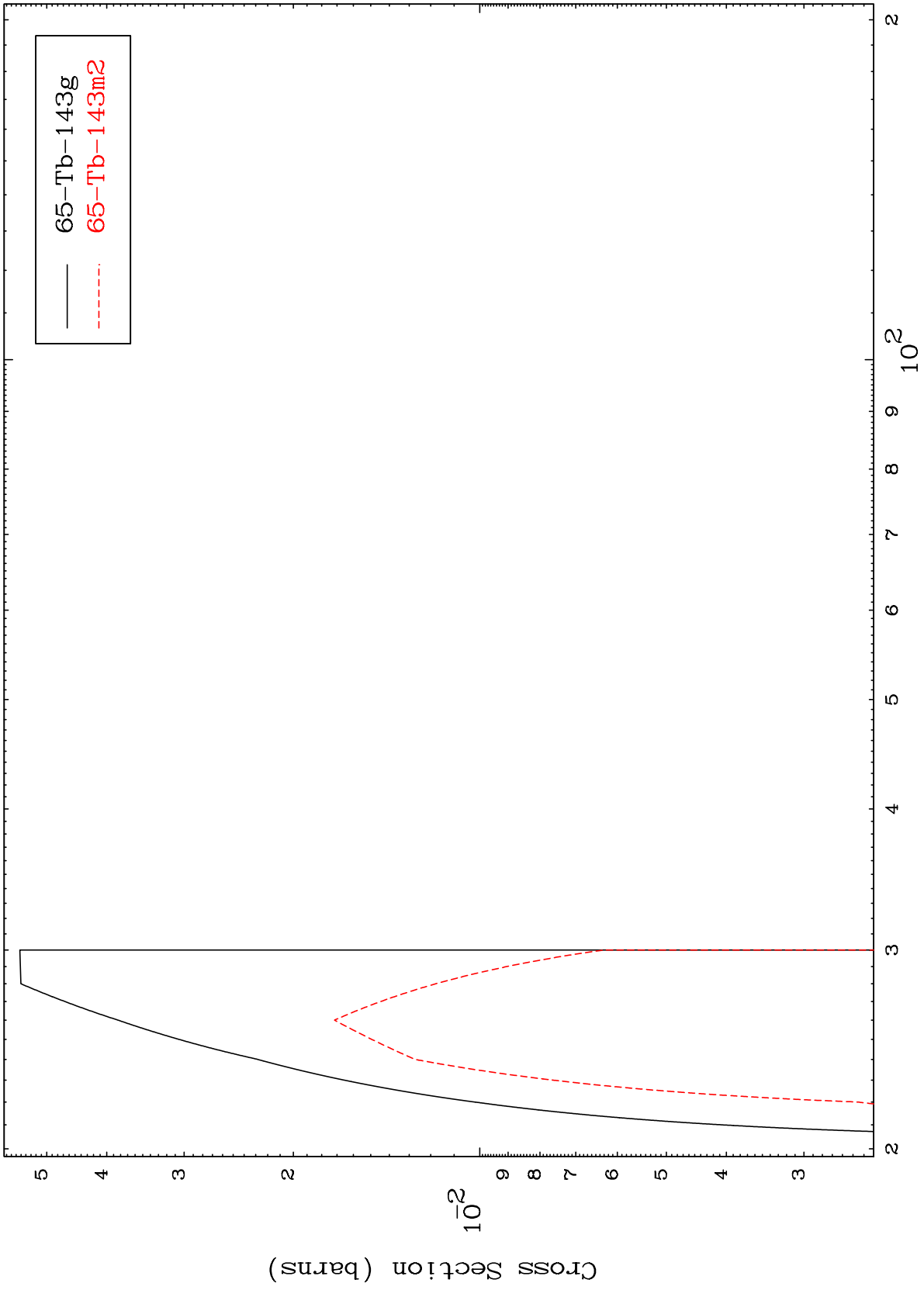
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

(p,2n)
Radionuclide Production Cross Section



12

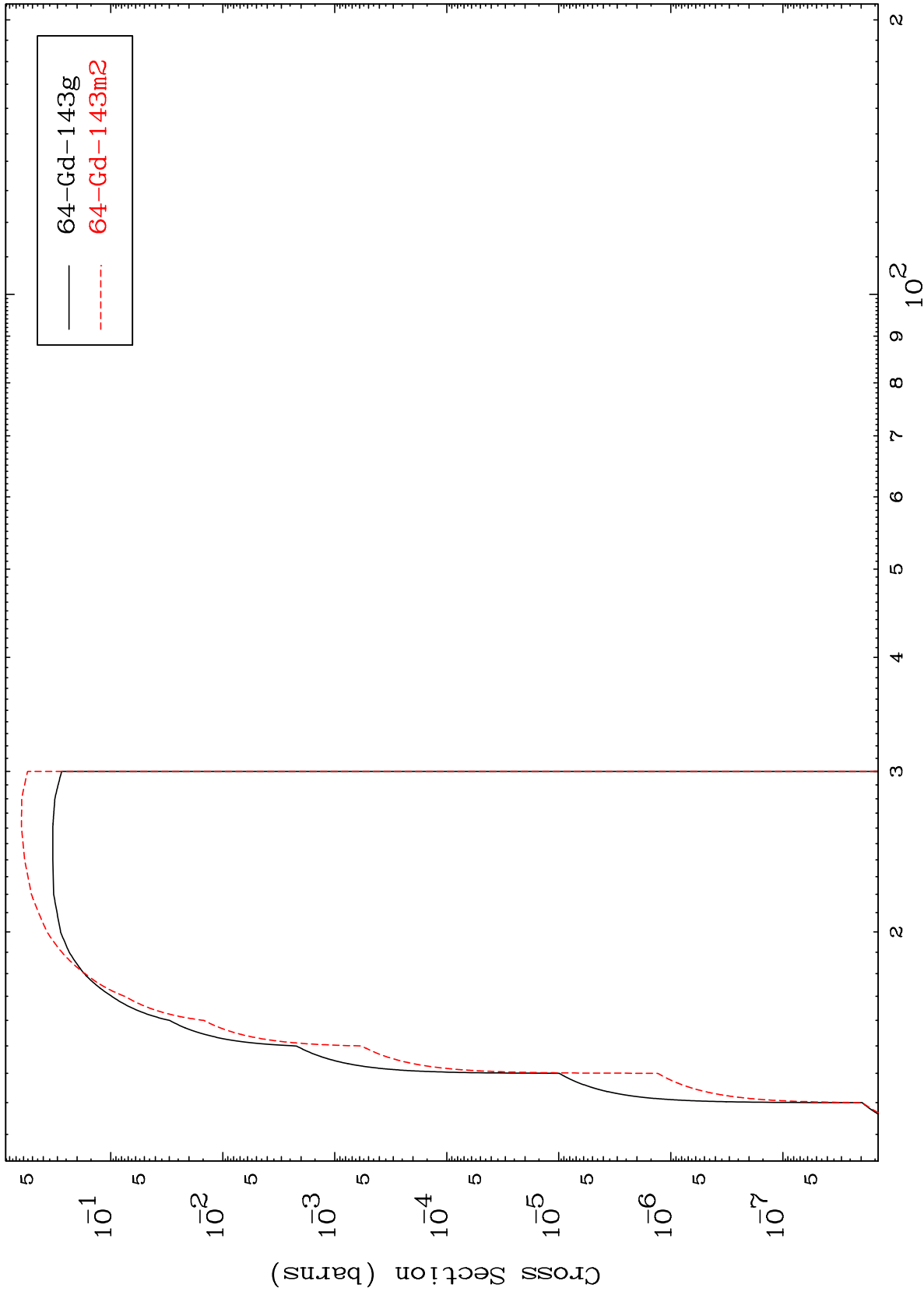
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

(p,n') p
Radionuclide Production Cross Section



13

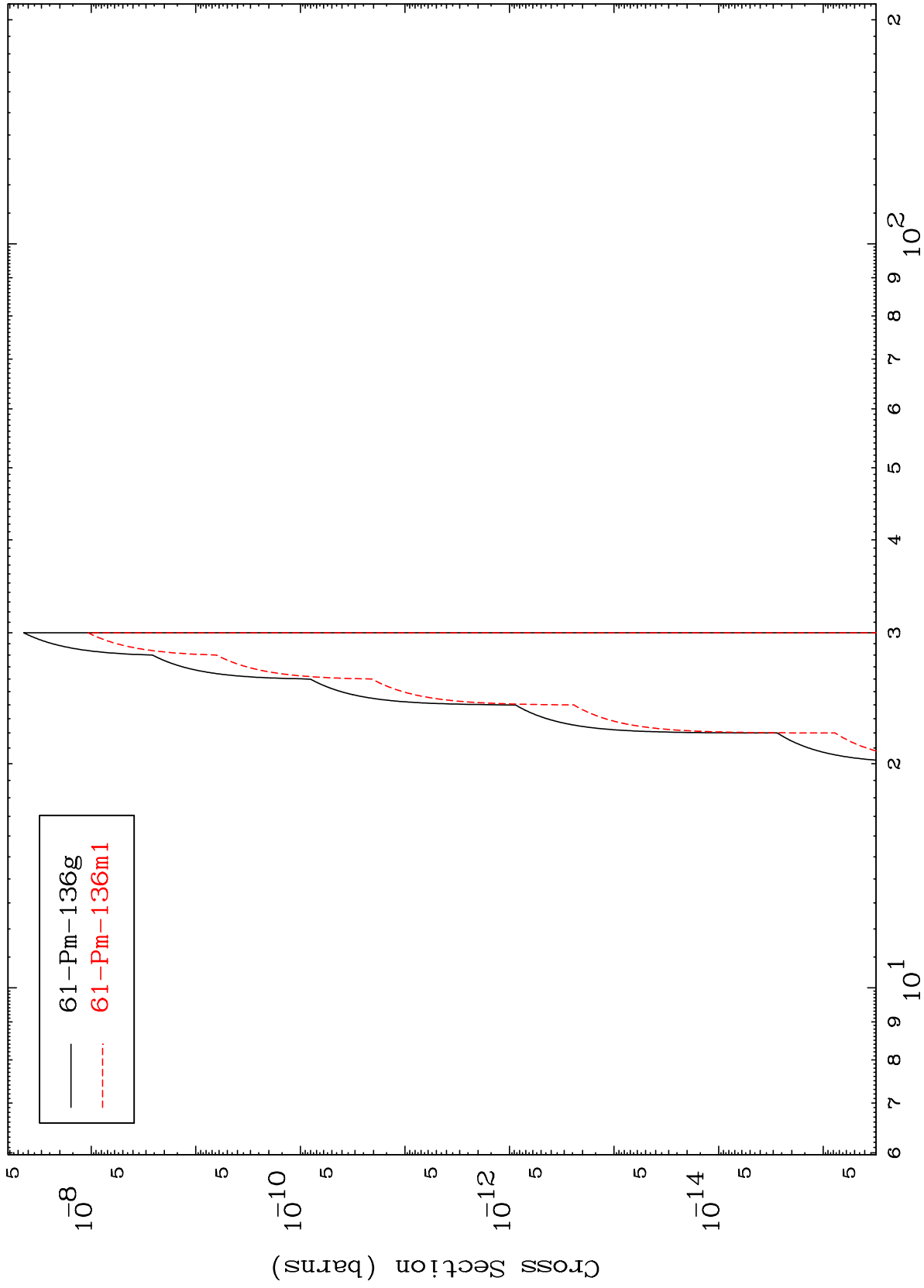
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

(p,n') 2 α
Radionuclide Production Cross Section

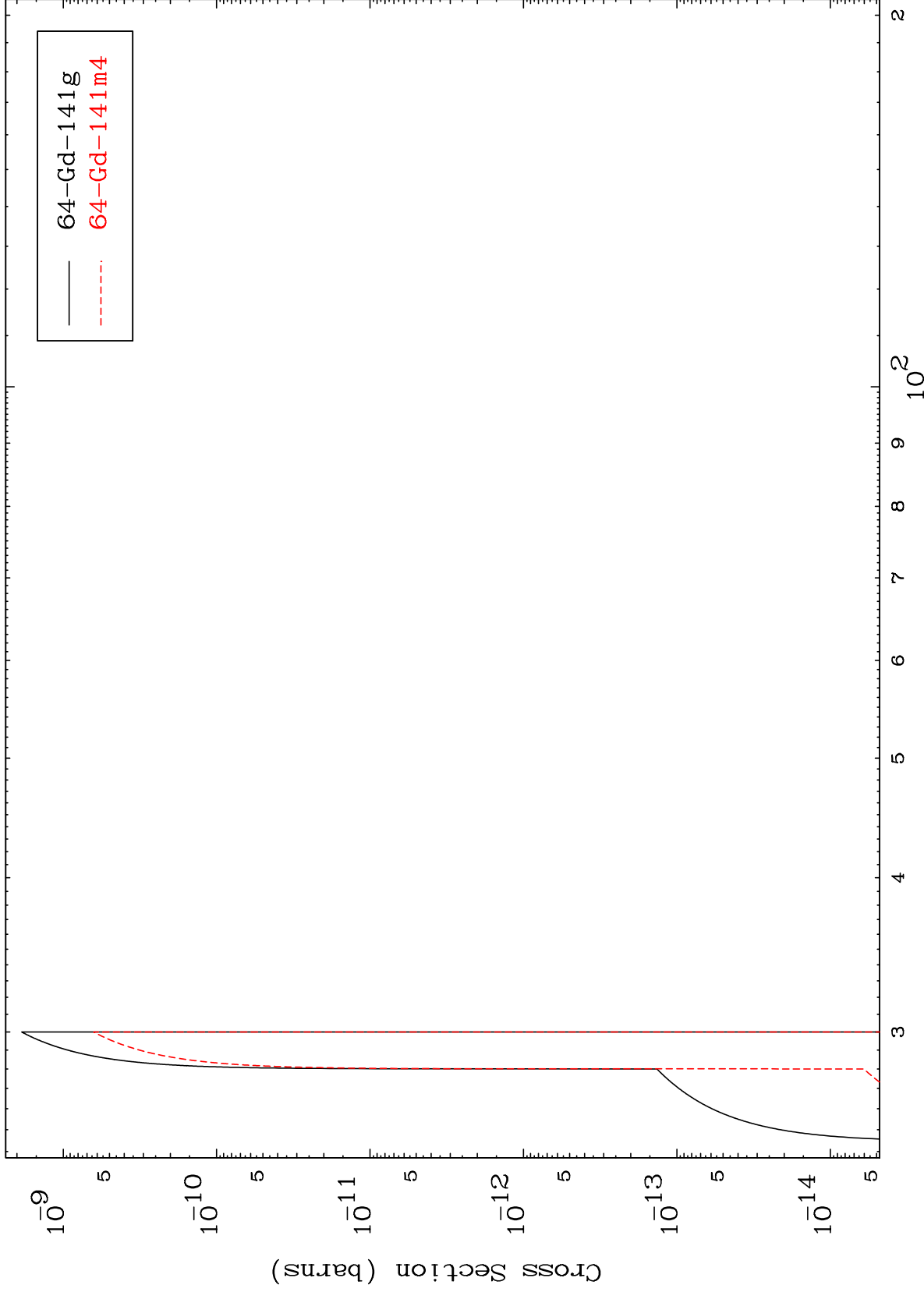


MAT 6401

(p,n') t

64-Gd-144

Radionuclide Production Cross Section



15

Incident Energy (MeV)

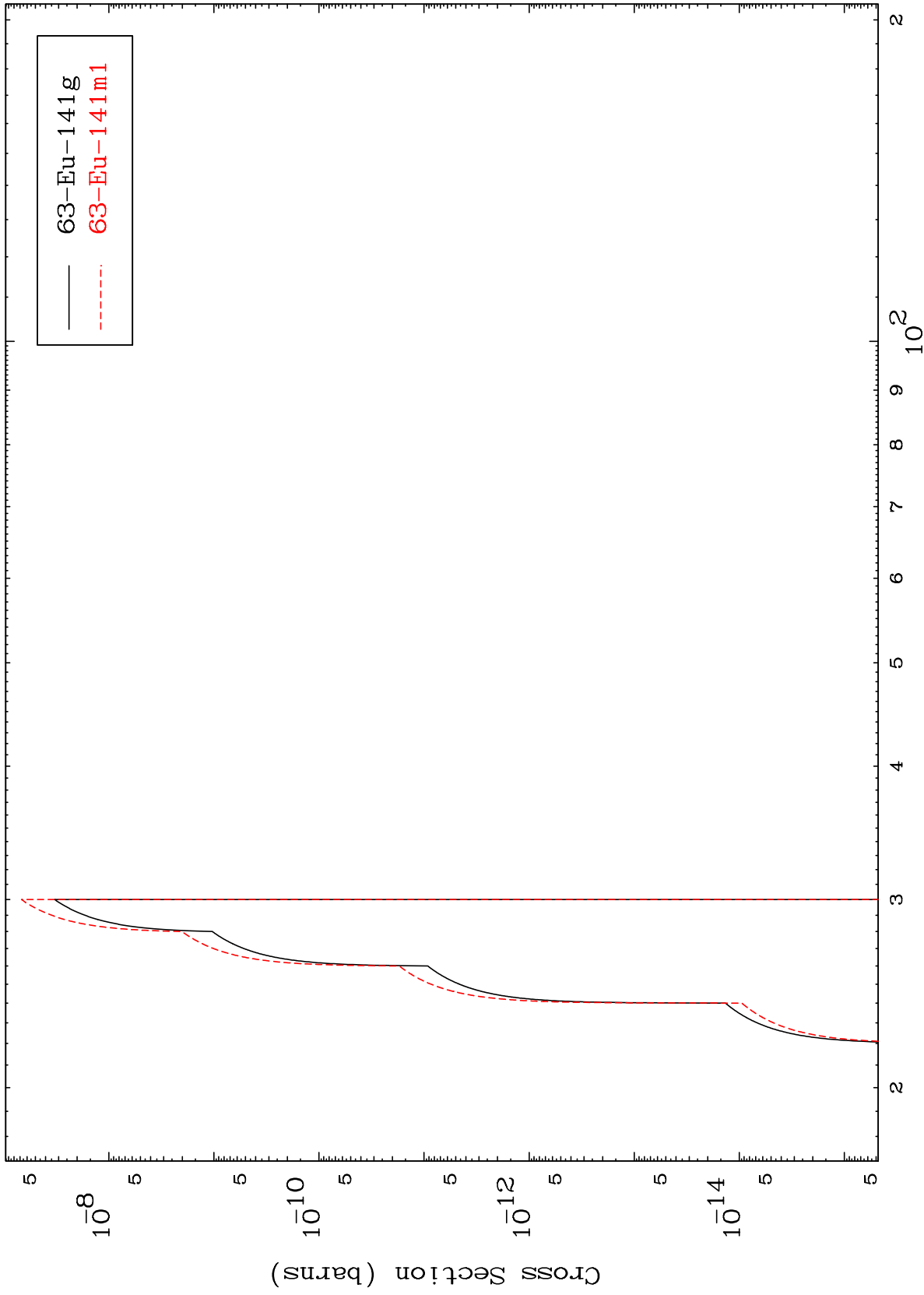
64-Gd-144

MAT 6401

(p,n') He-3

64-Gd-144

Radionuclide Production Cross Section



16

Incident Energy (MeV)

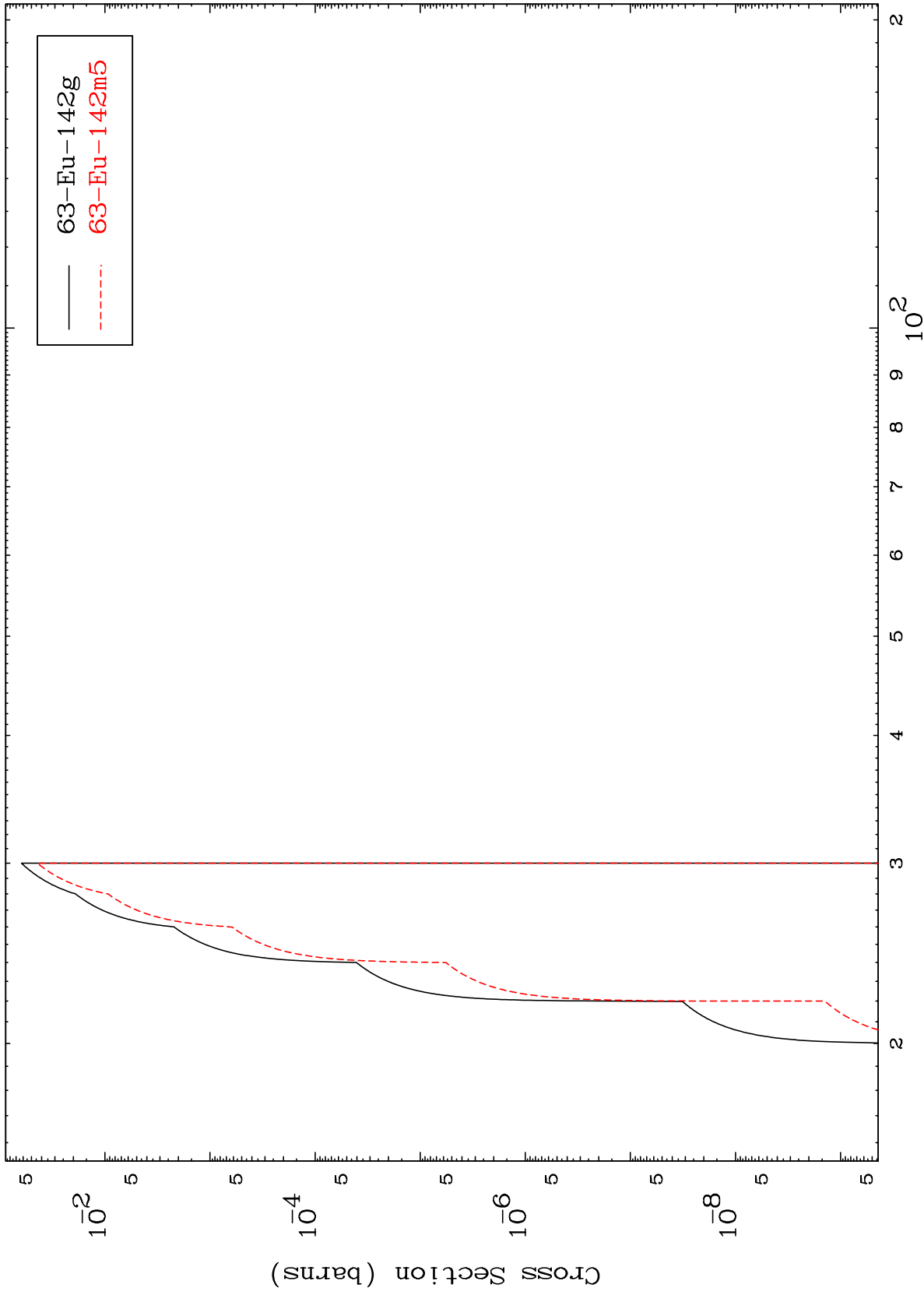
64-Gd-144

MAT 6401

(p,2n) p

64-Gd-144

Radionuclide Production Cross Section



17

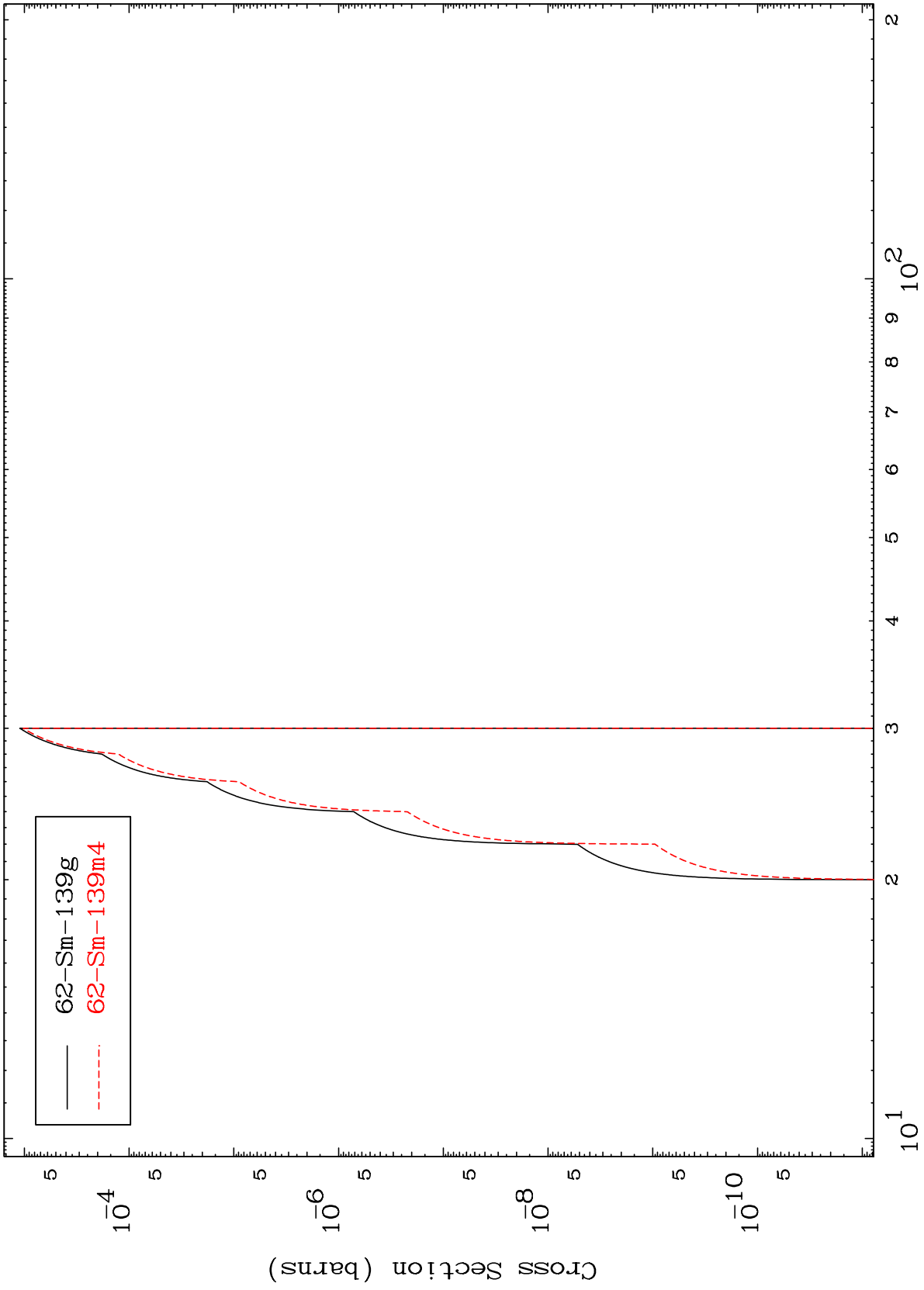
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

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



62-Sm-139g
62-Sm-139m4

64-Gd-144

Incident Energy (MeV)

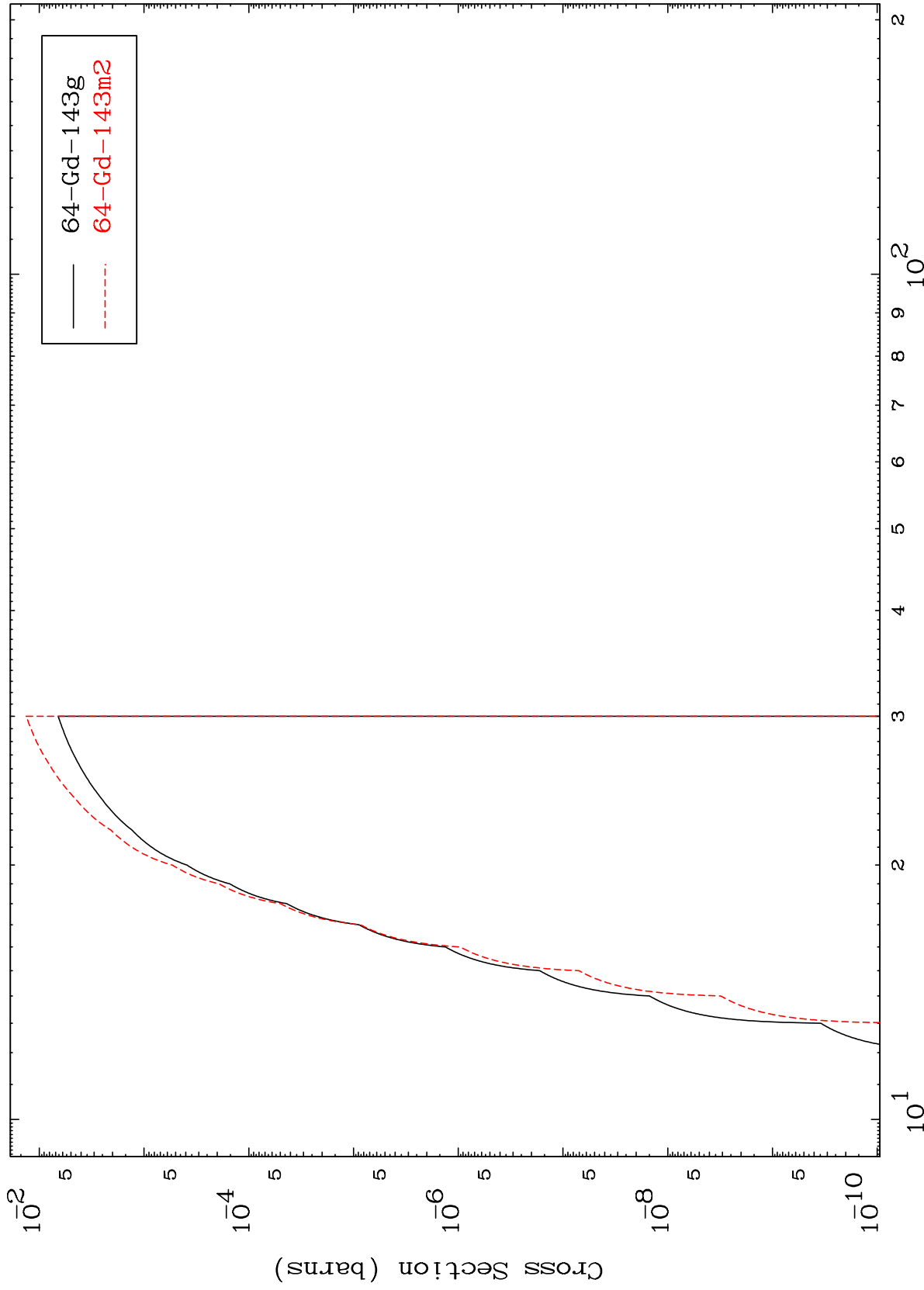
18

MAT 6401

(p,d)

64-Gd-144

Radionuclide Production Cross Section



Incident Energy (MeV)

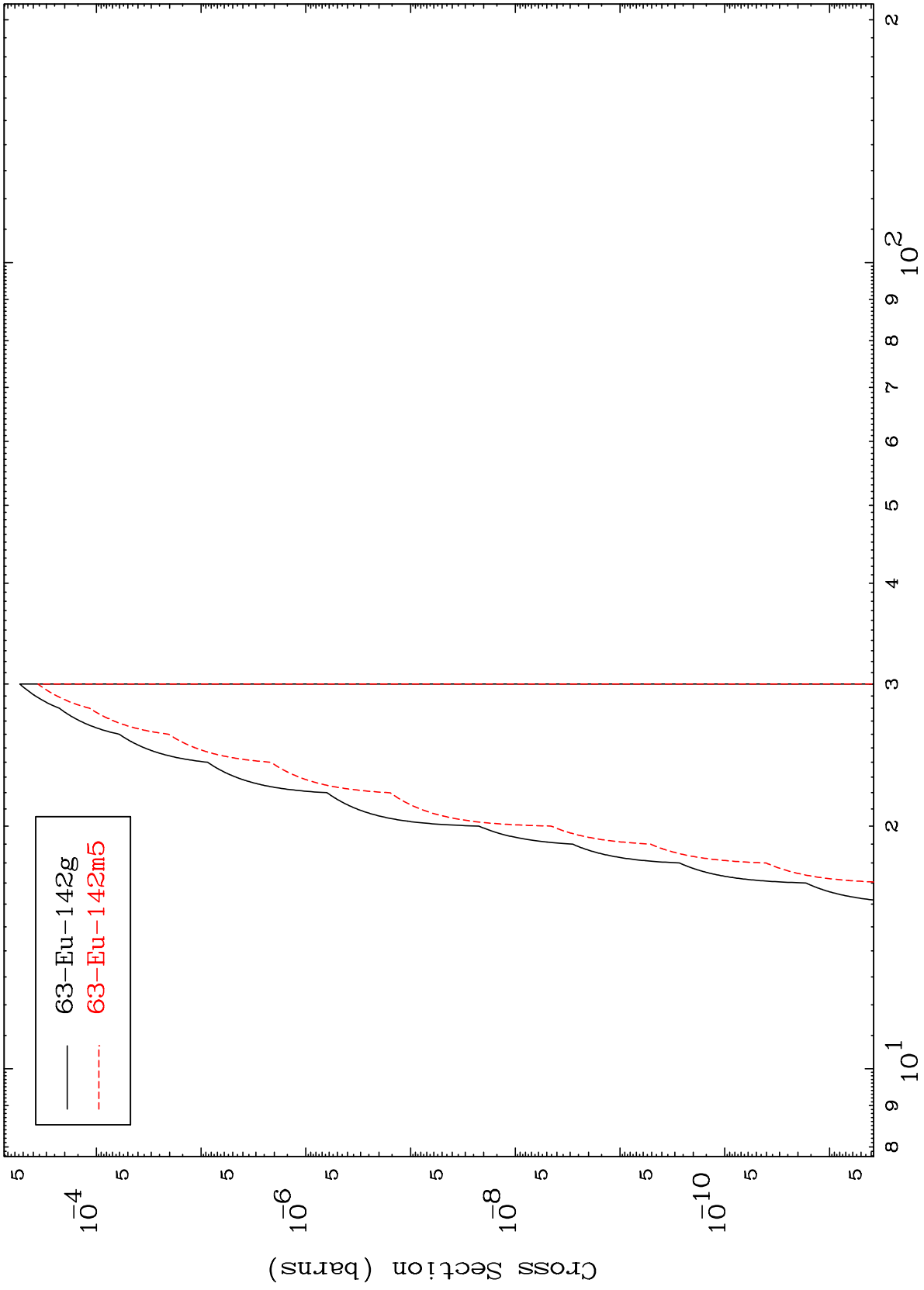
64-Gd-144

MAT 6401

(p,He-3)

64-Gd-144

Radionuclide Production Cross Section



20

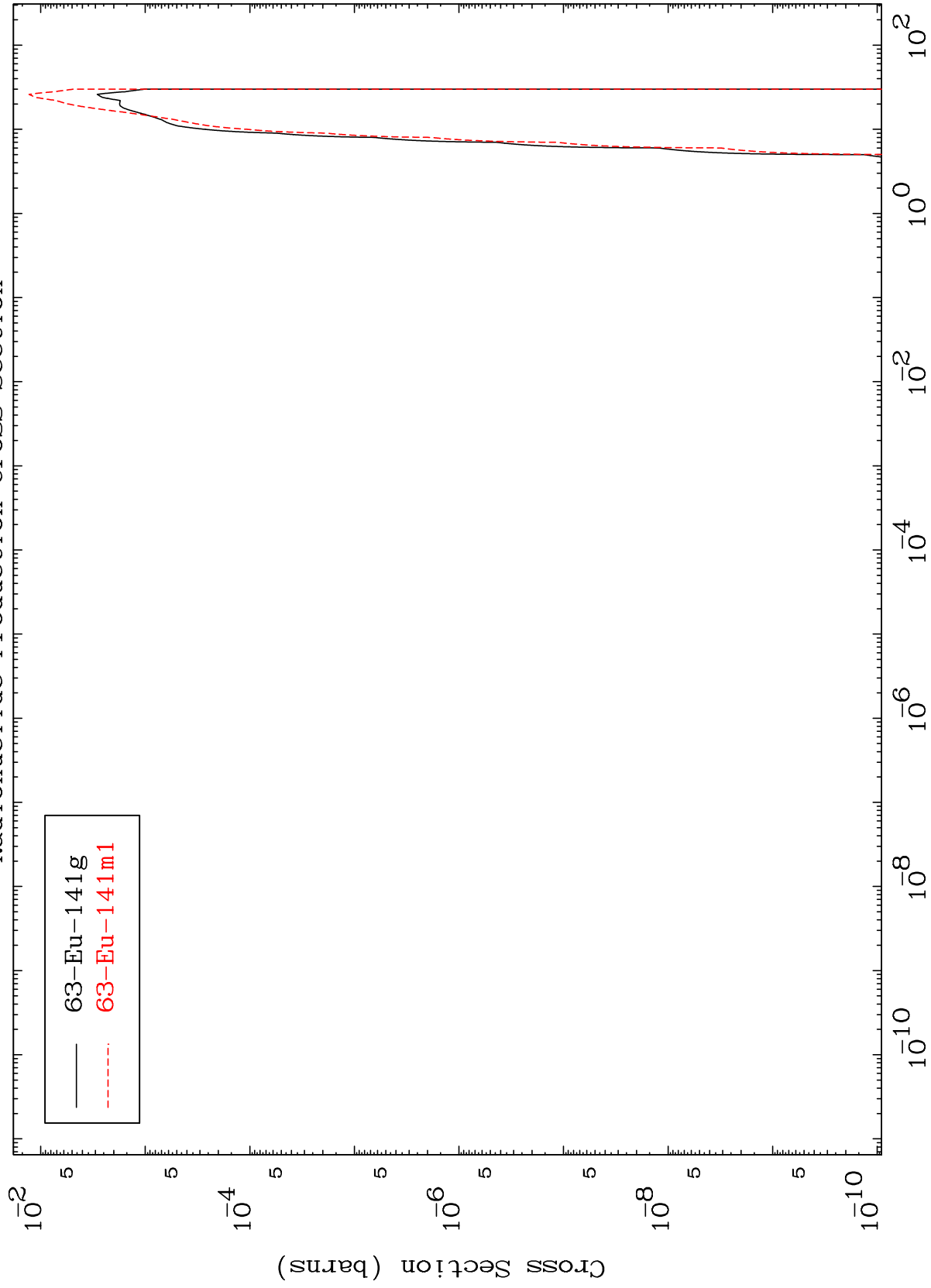
Incident Energy (MeV)

64-Gd-144

MAT 6401

Radionuclide Production Cross Section
(p, α)

64-Gd-144



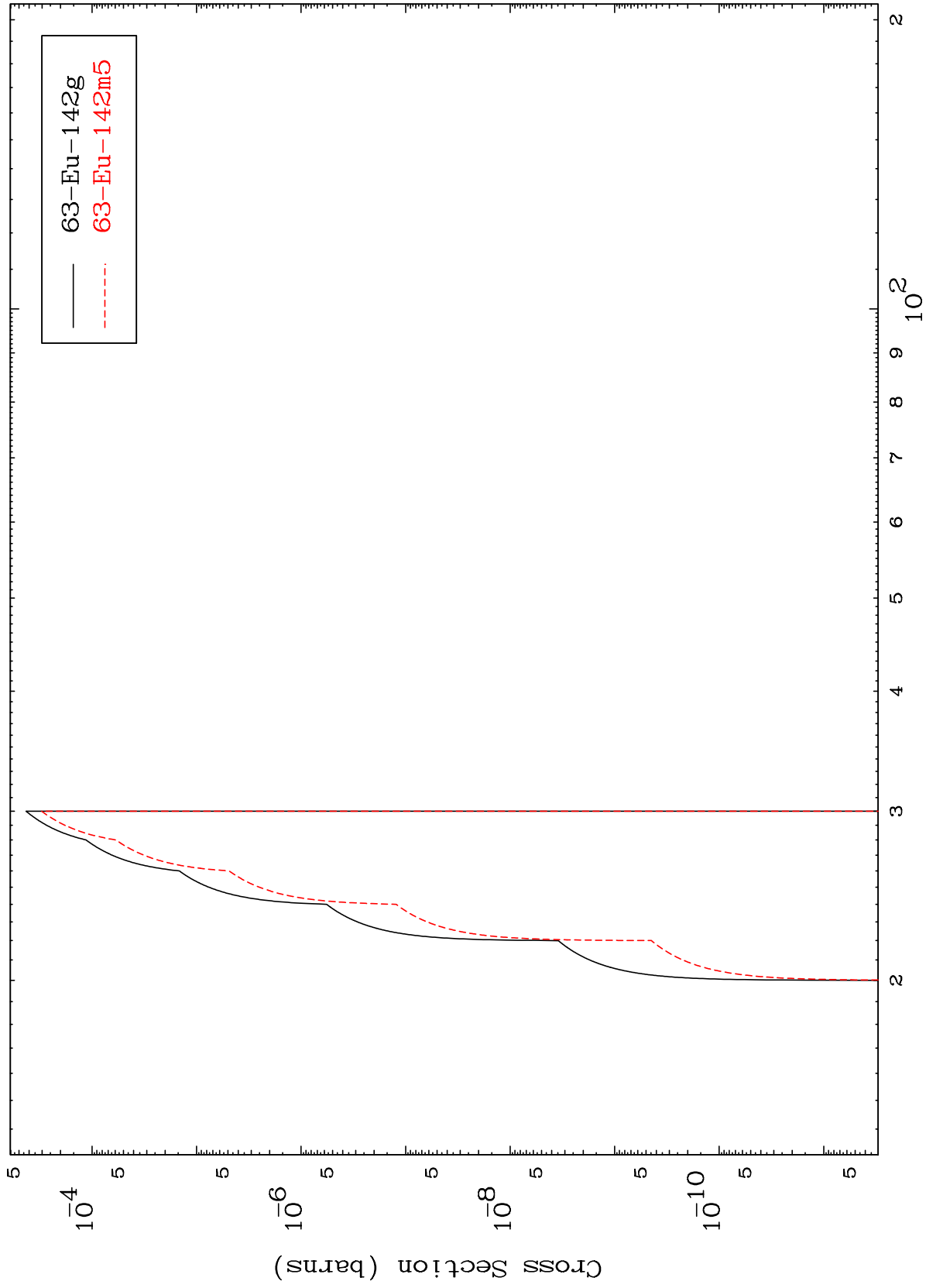
64-Gd-144

MAT 6401

(p,p) d

64-Gd-144

Radionuclide Production Cross Section



22

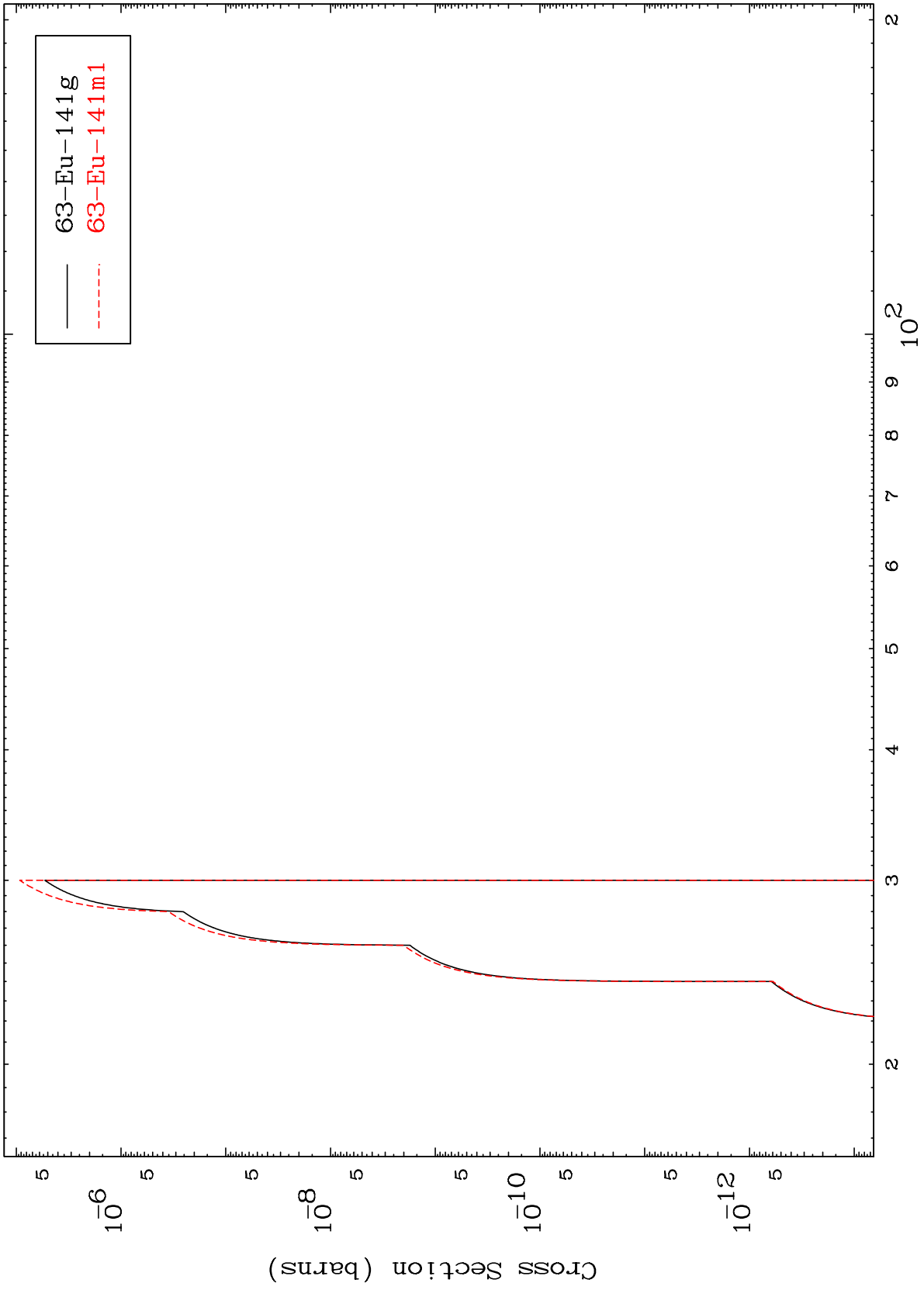
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

(p,p) t
Radionuclide Production Cross Section



23

Incident Energy (MeV)

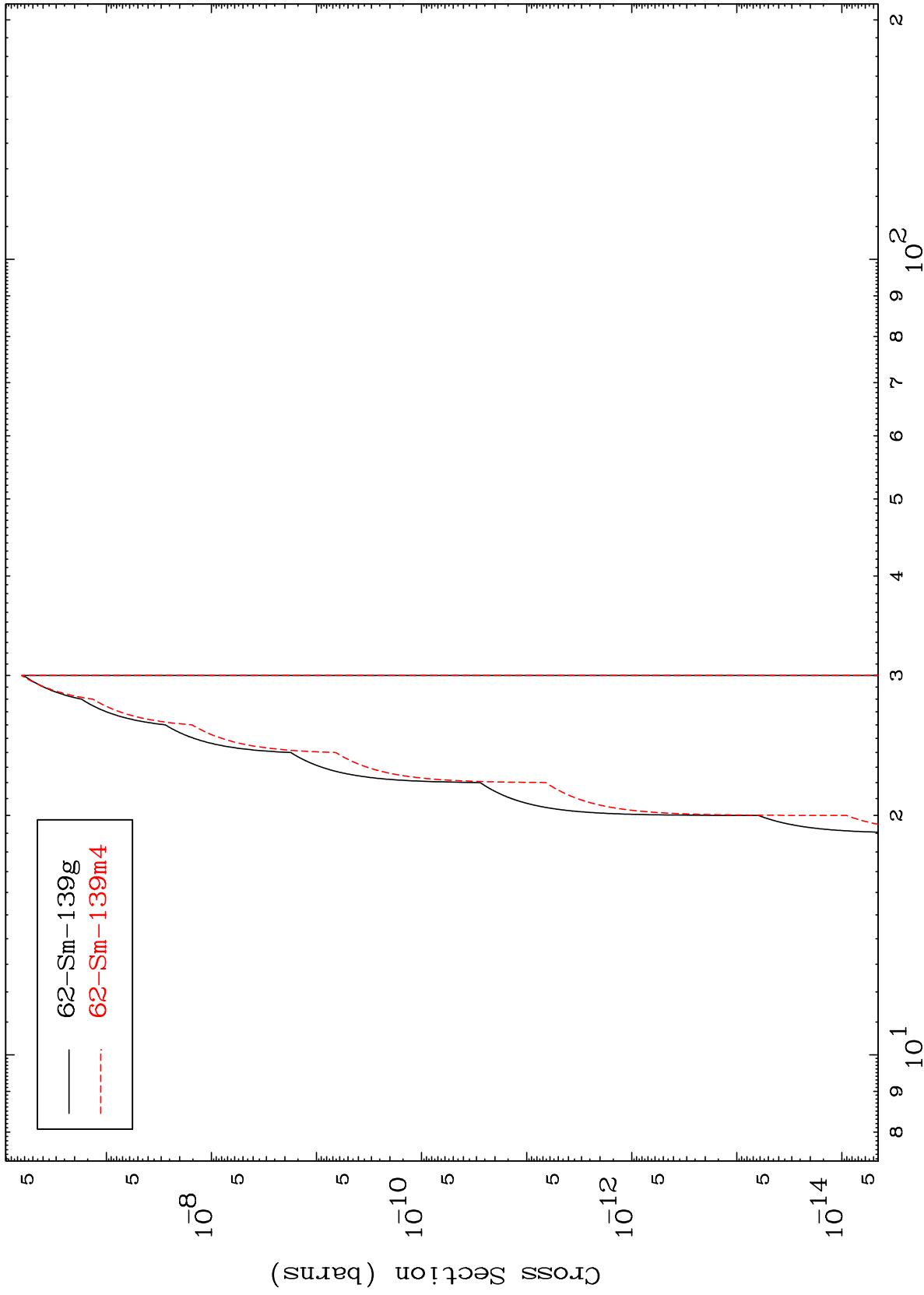
64-Gd-144

MAT 6401

(p,d) α

64-Gd-144

Radionuclide Production Cross Section



24

Incident Energy (MeV)

64-Gd-144