

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

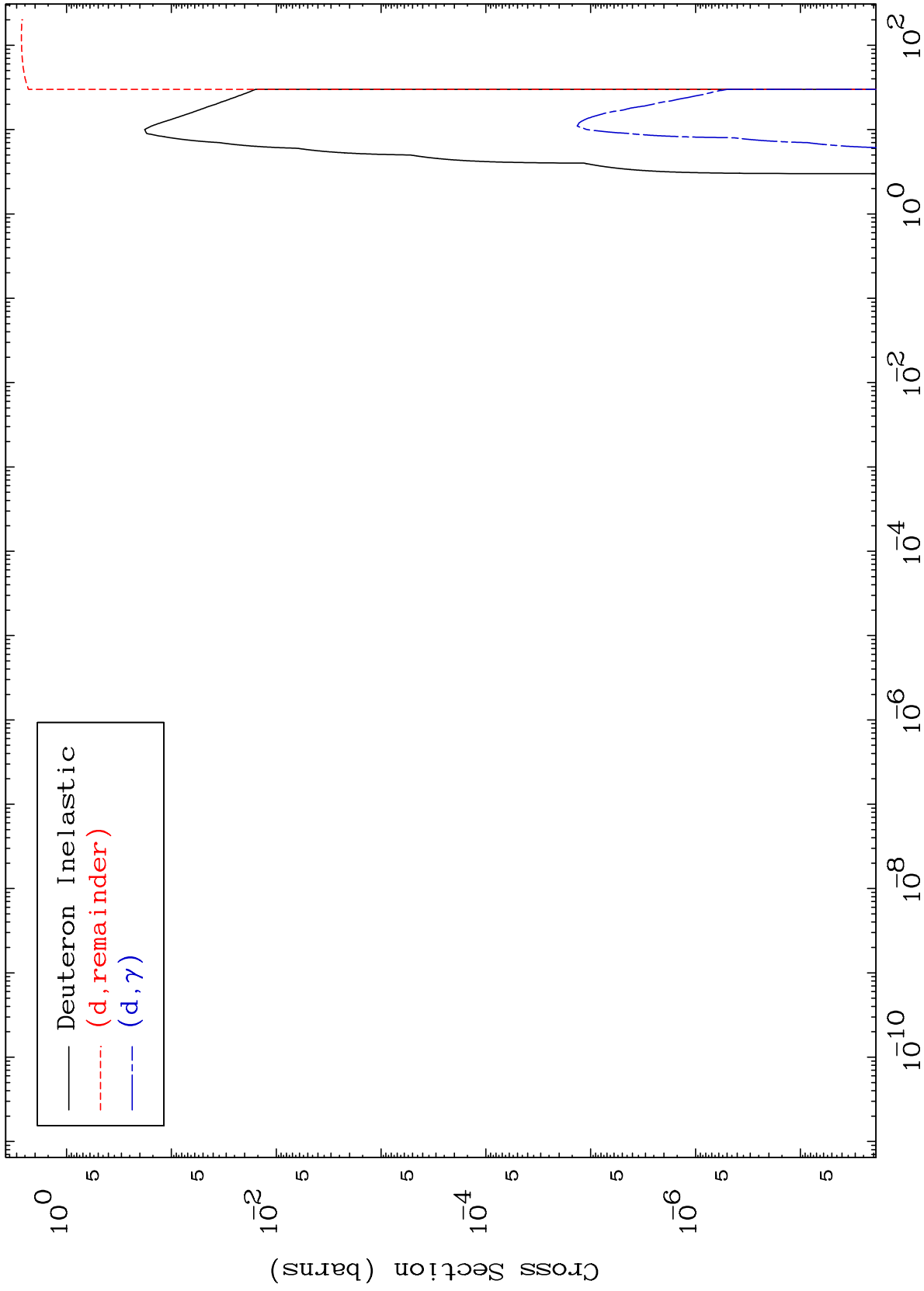
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6431

Deuteron Major
0 Kelvin Cross Sections

64-Gd-154



1

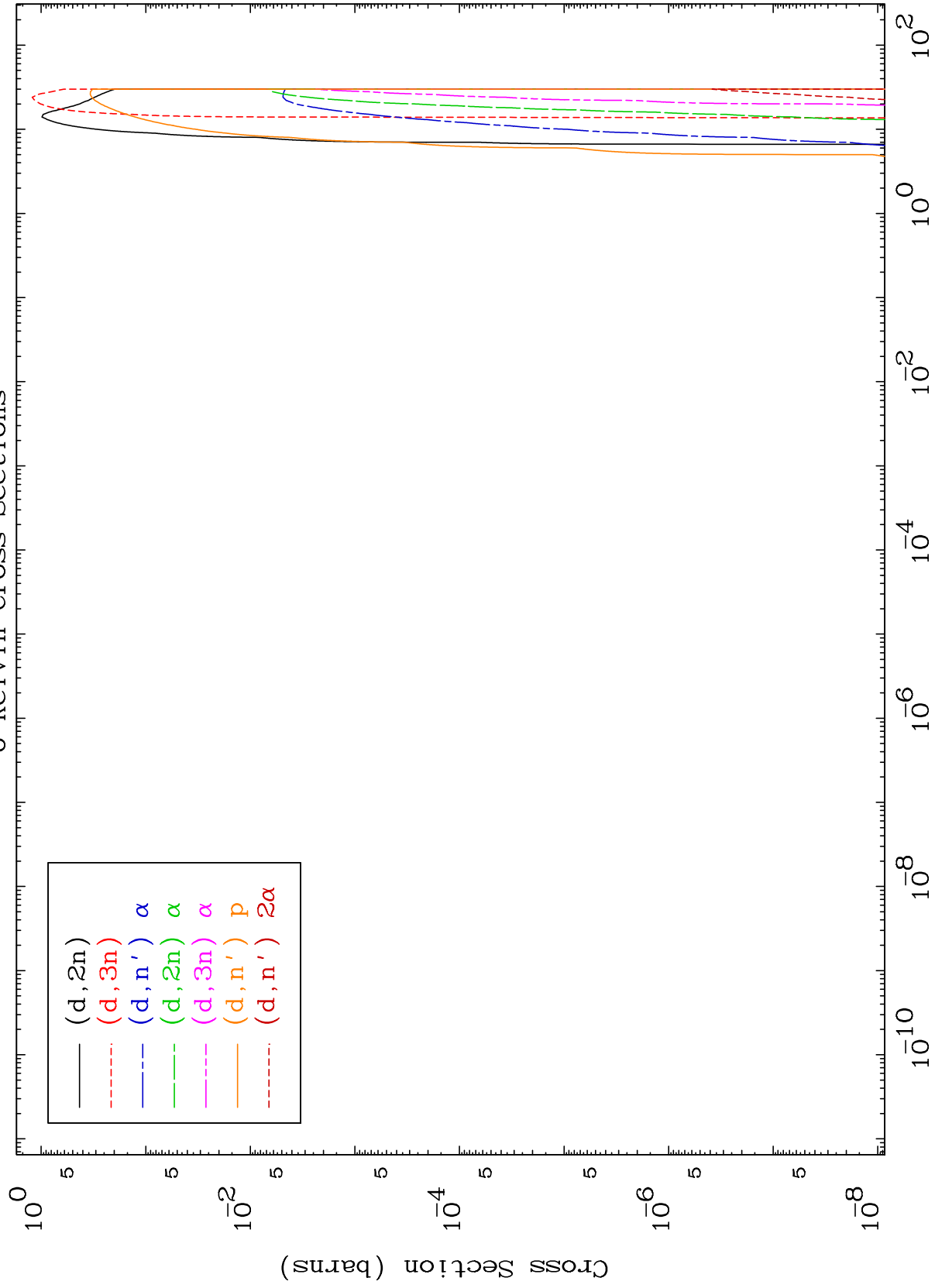
Incident Energy (MeV)

64-Gd-154

MAT 6431

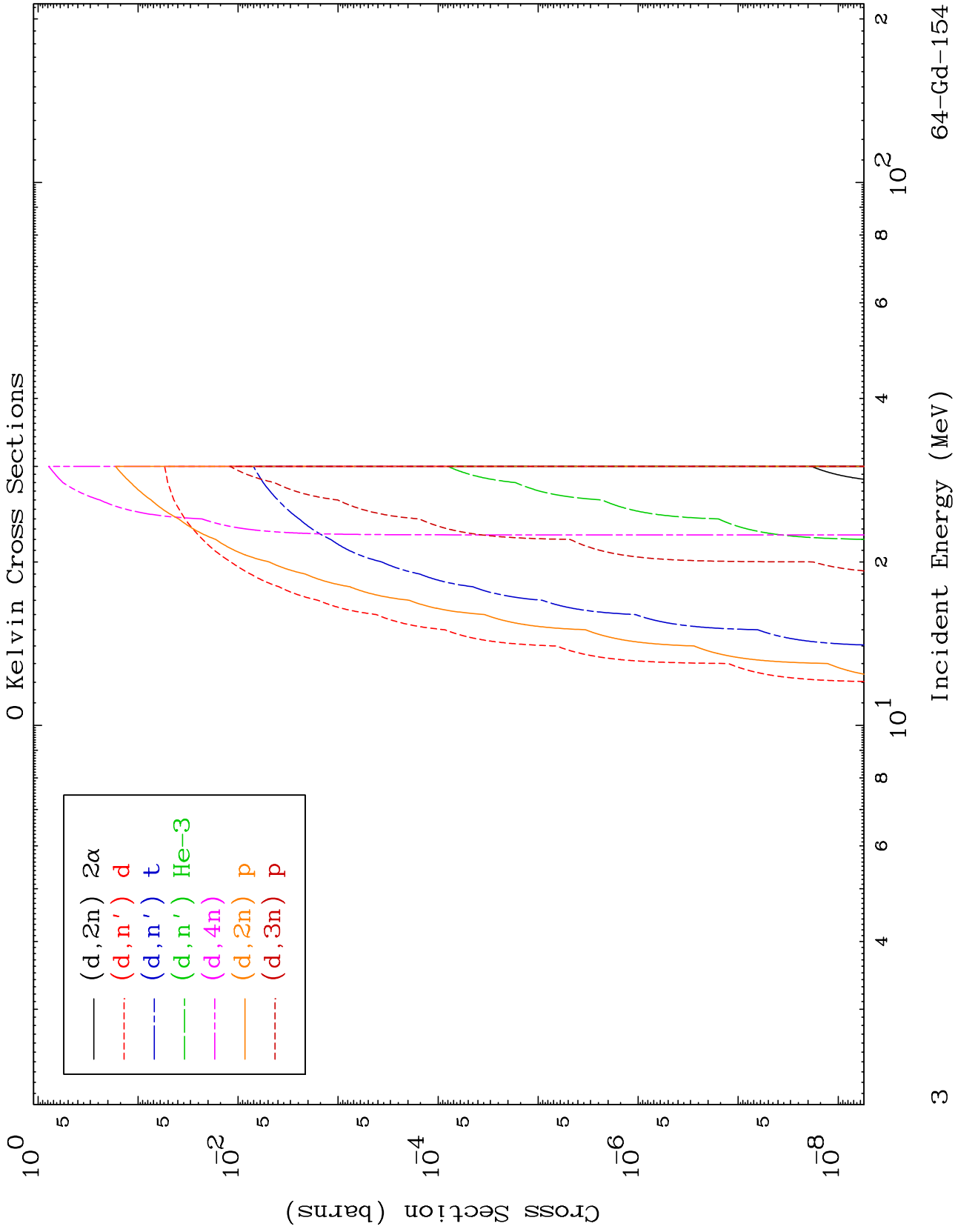
Deuteron Neutron Production
0 Kelvin Cross Sections

64-Gd-154



2

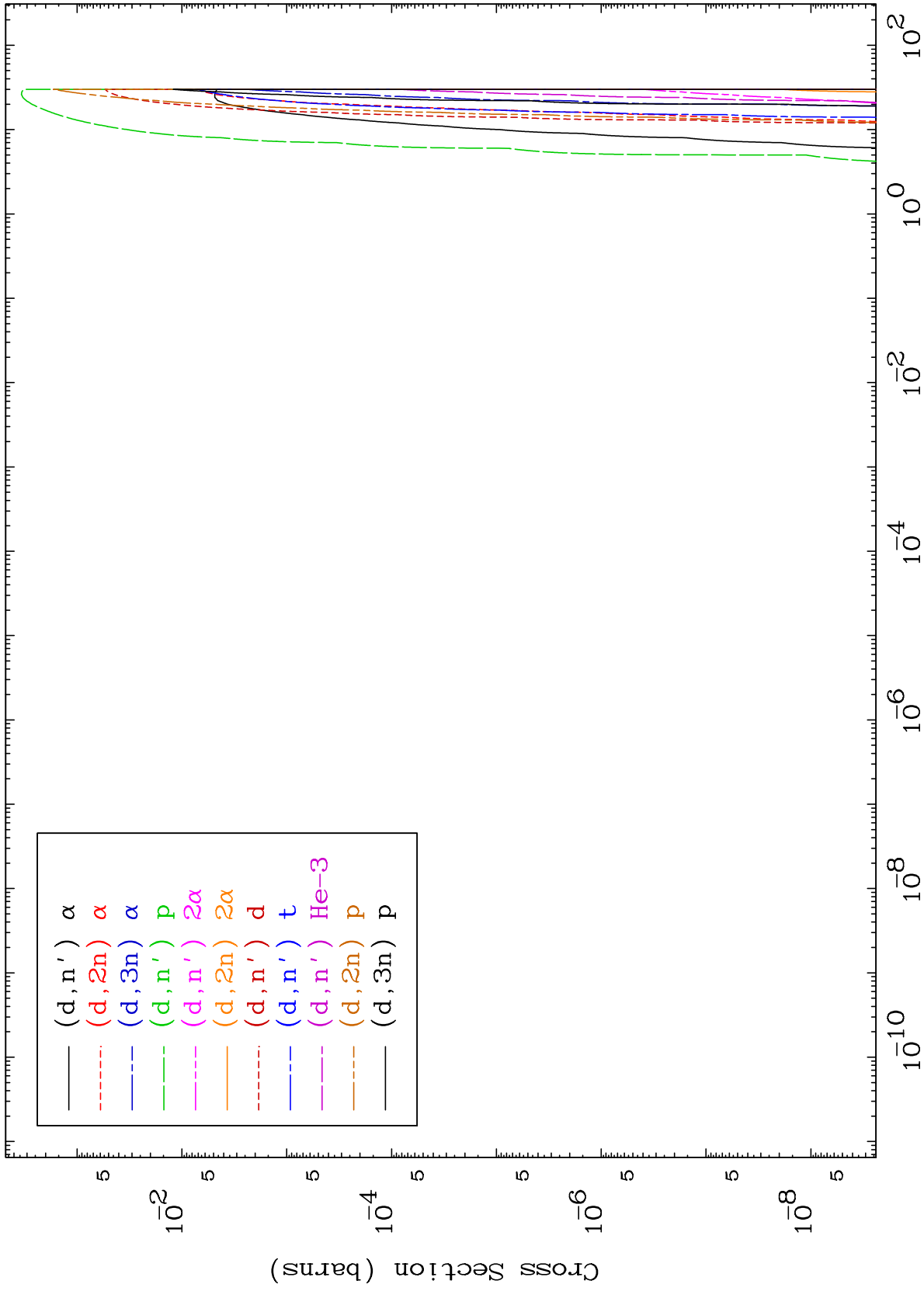
64-Gd-154



MAT 6431

Deuteron Charged Particle
0 Kelvin Cross Sections

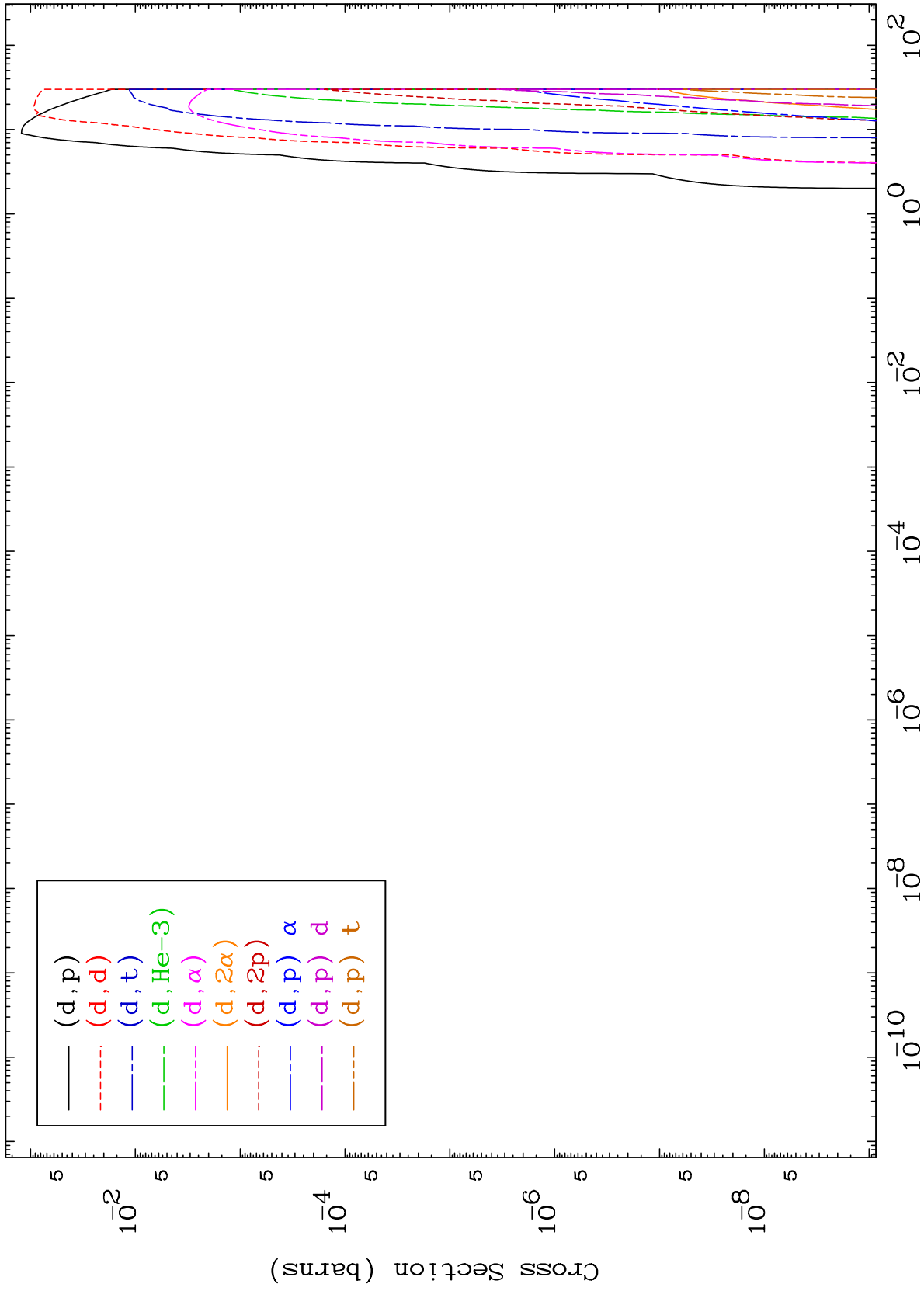
64-Gd-154



MAT 6431

Deuteron Charged Particle
0 Kelvin Cross Sections

64-Gd-154



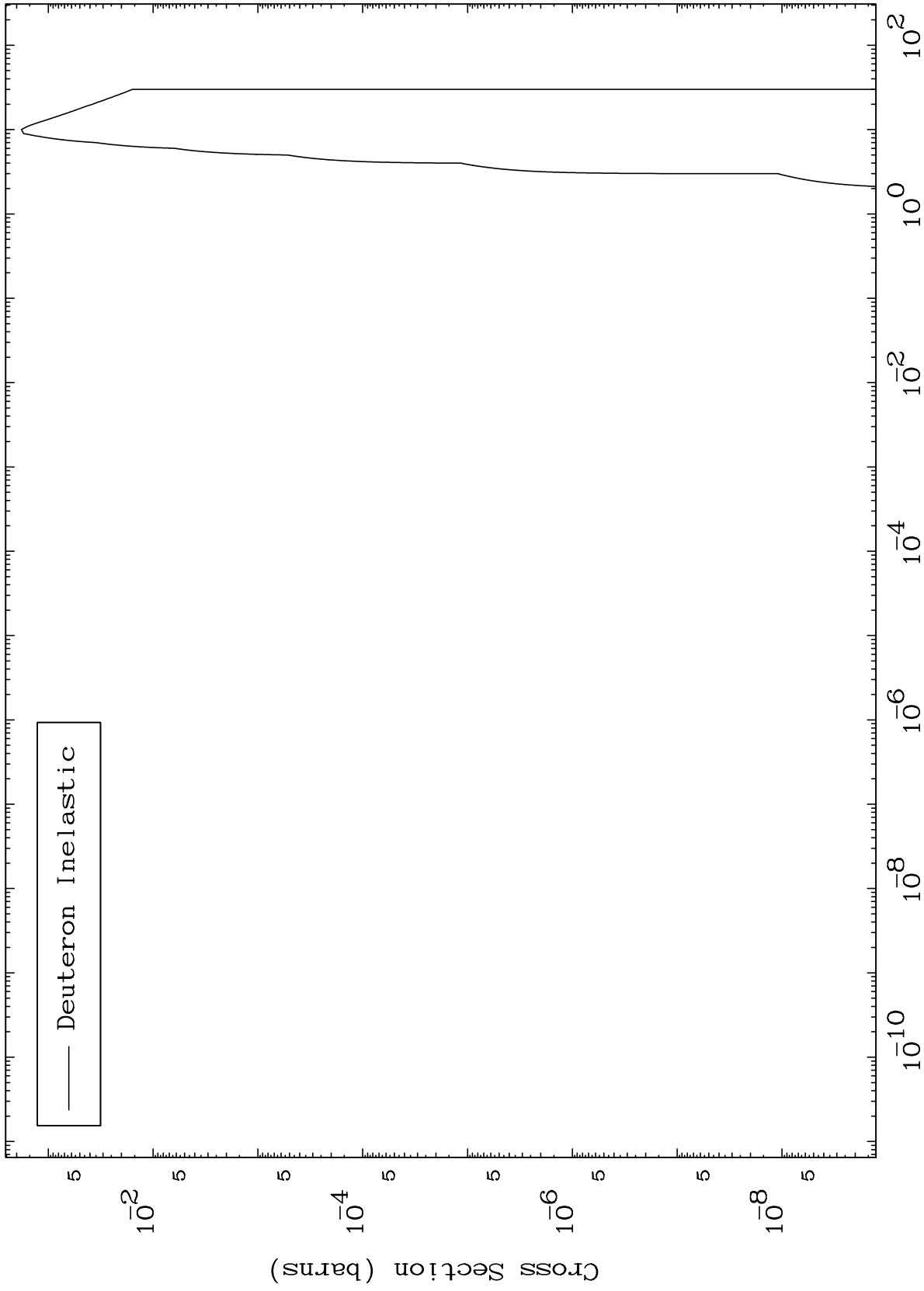
5

64-Gd-154

MAT 6431

(d,n') Level
0 Kelvin Cross Sections

64-Gd-154



6

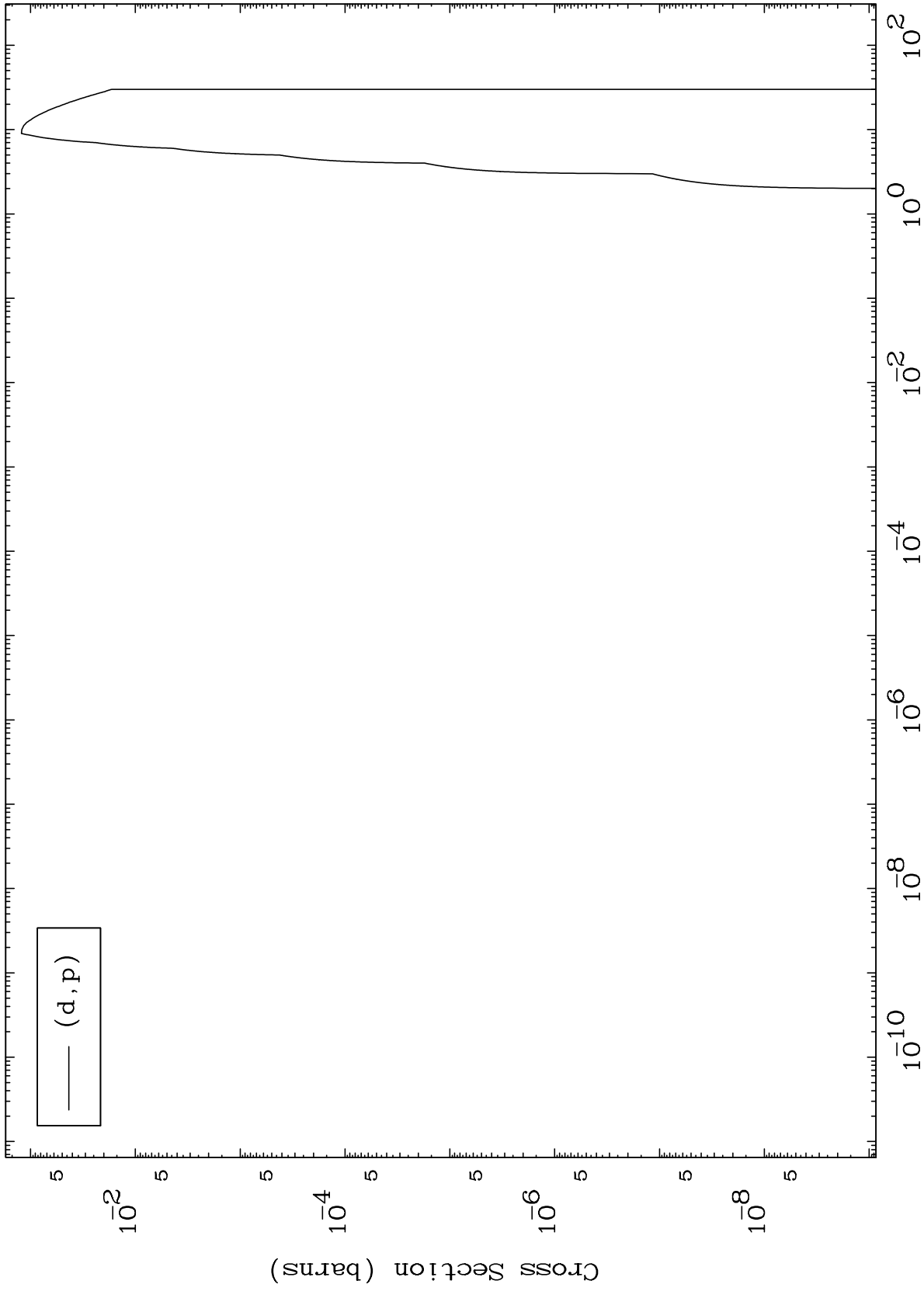
Incident Energy (MeV)

64-Gd-154

MAT 6431

(d,p) Levels
0 Kelvin Cross Sections

64-Gd-154



7

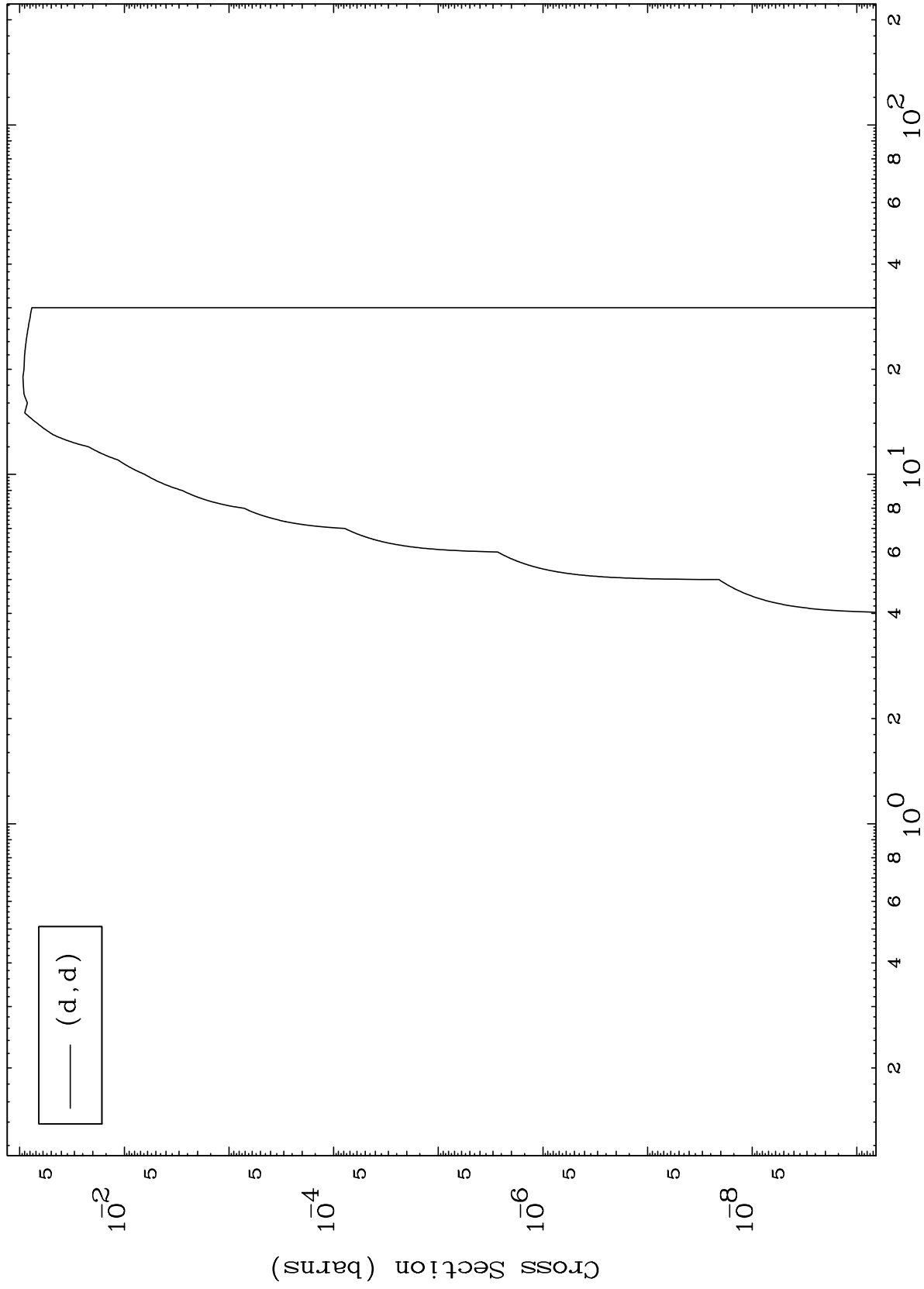
Incident Energy (MeV)

64-Gd-154

MAT 6431

(d,d) Levels
0 Kelvin Cross Sections

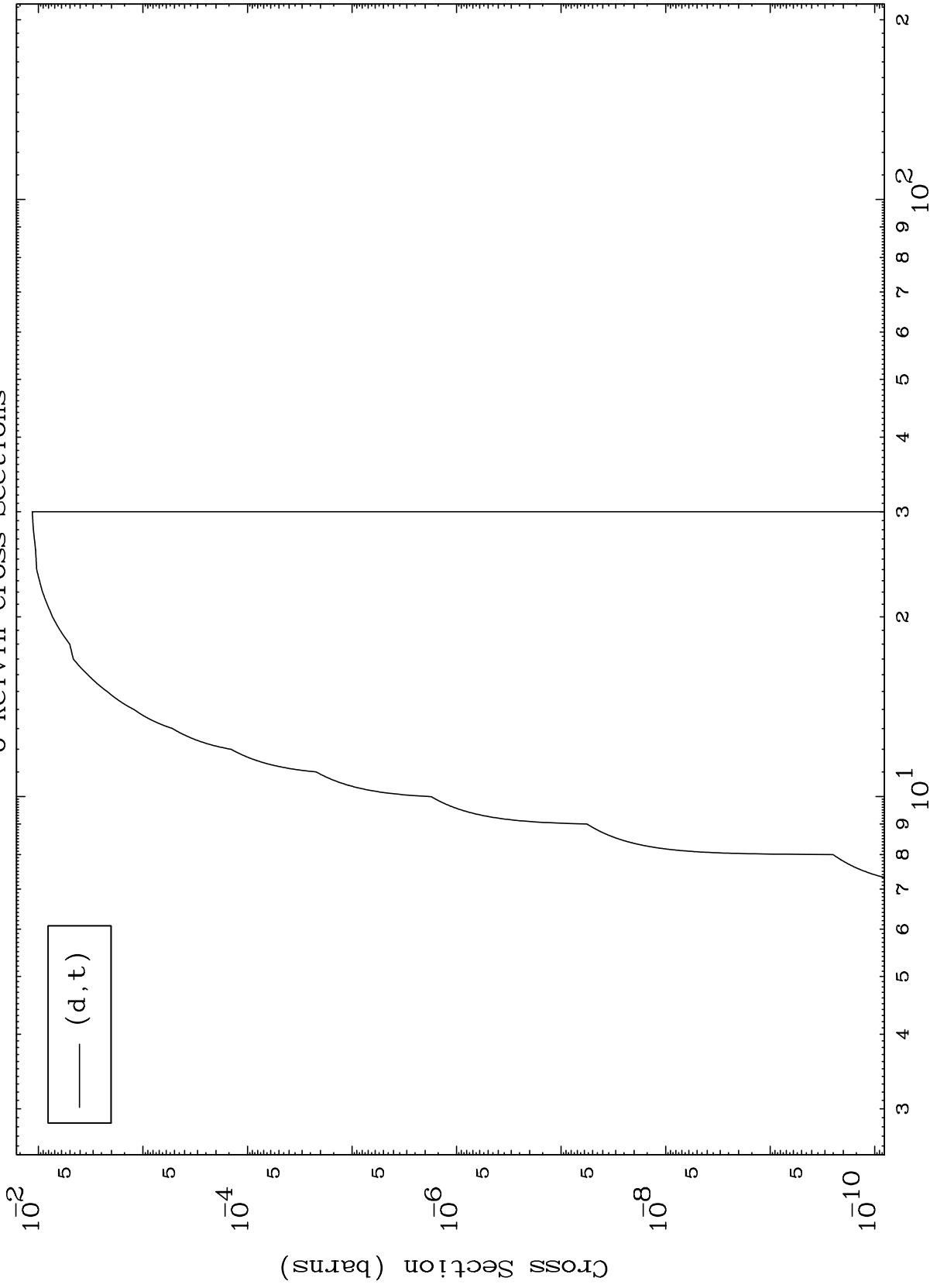
64-Gd-154



MAT 6431

(d,t) Levels
0 Kelvin Cross Sections

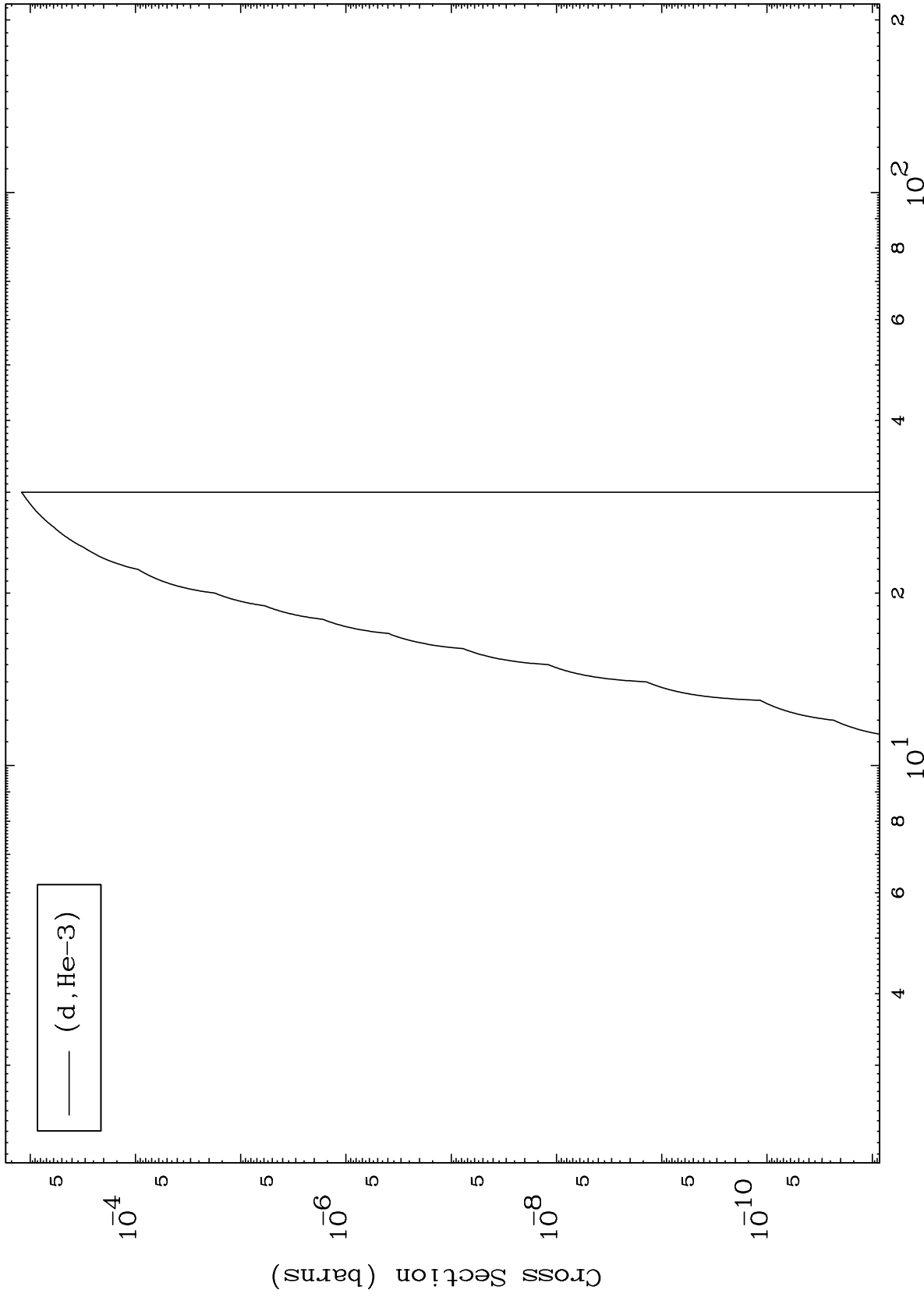
64-Gd-154



MAT 6431

(d,He3) Levels
0 Kelvin Cross Sections

64-Gd-154



10

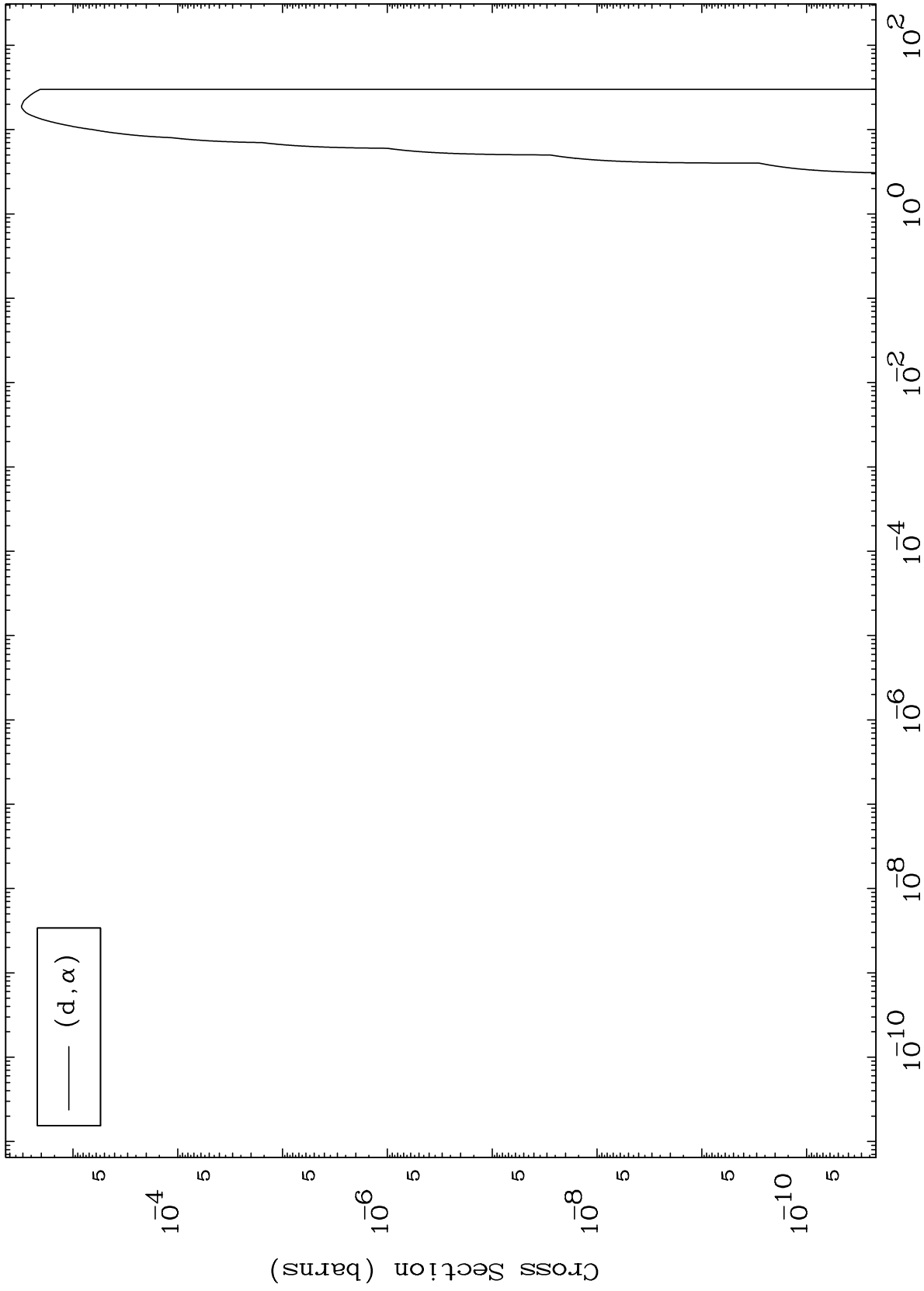
Incident Energy (MeV)

64-Gd-154

MAT 6431

(d, α) Levels
0 Kelvin Cross Sections

64-Gd-154



11

Incident Energy (MeV)

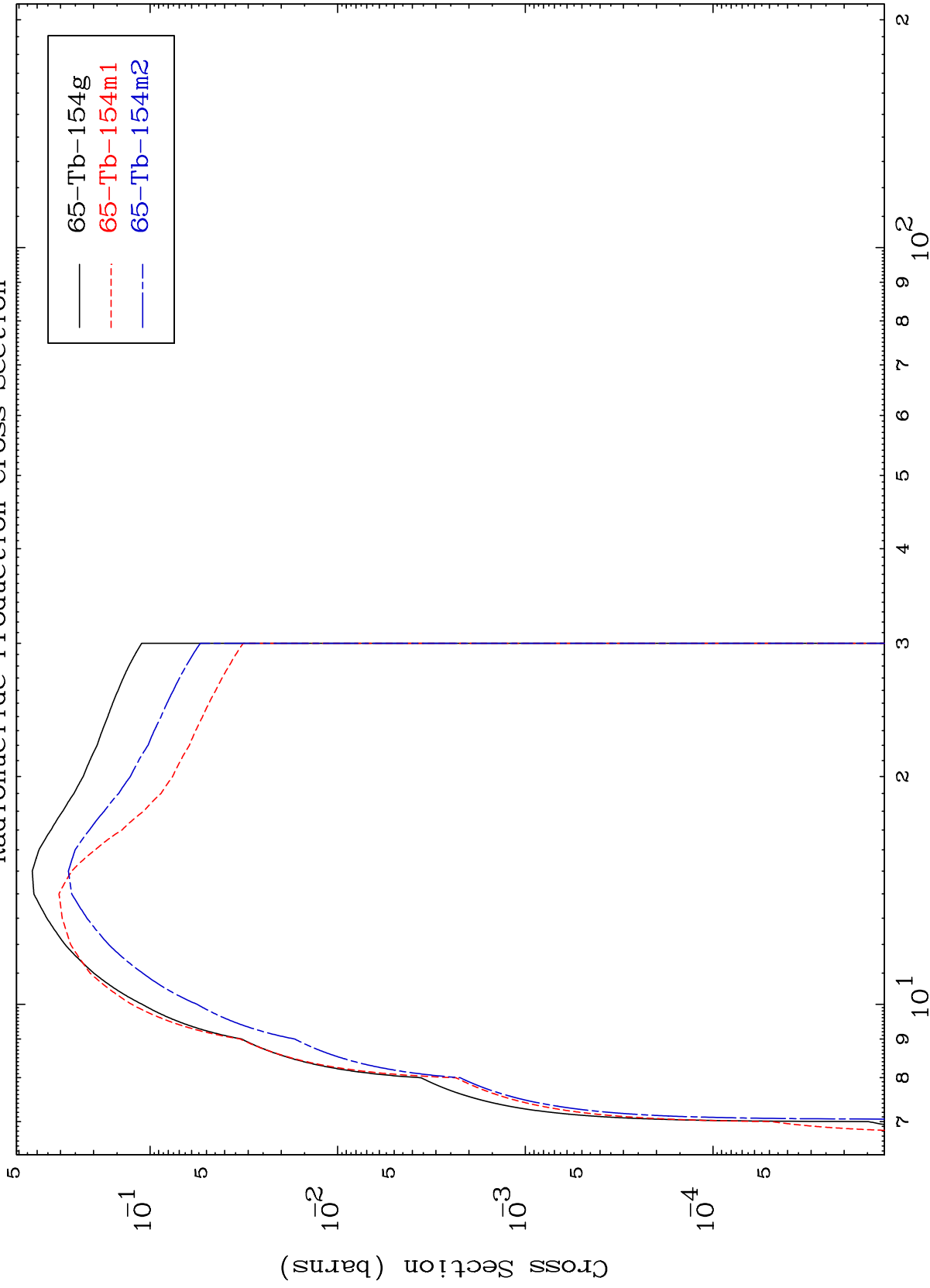
64-Gd-154

MAT 6431

(d,2n)

64-Gd-154

Radionuclide Production Cross Section



12

Incident Energy (MeV)

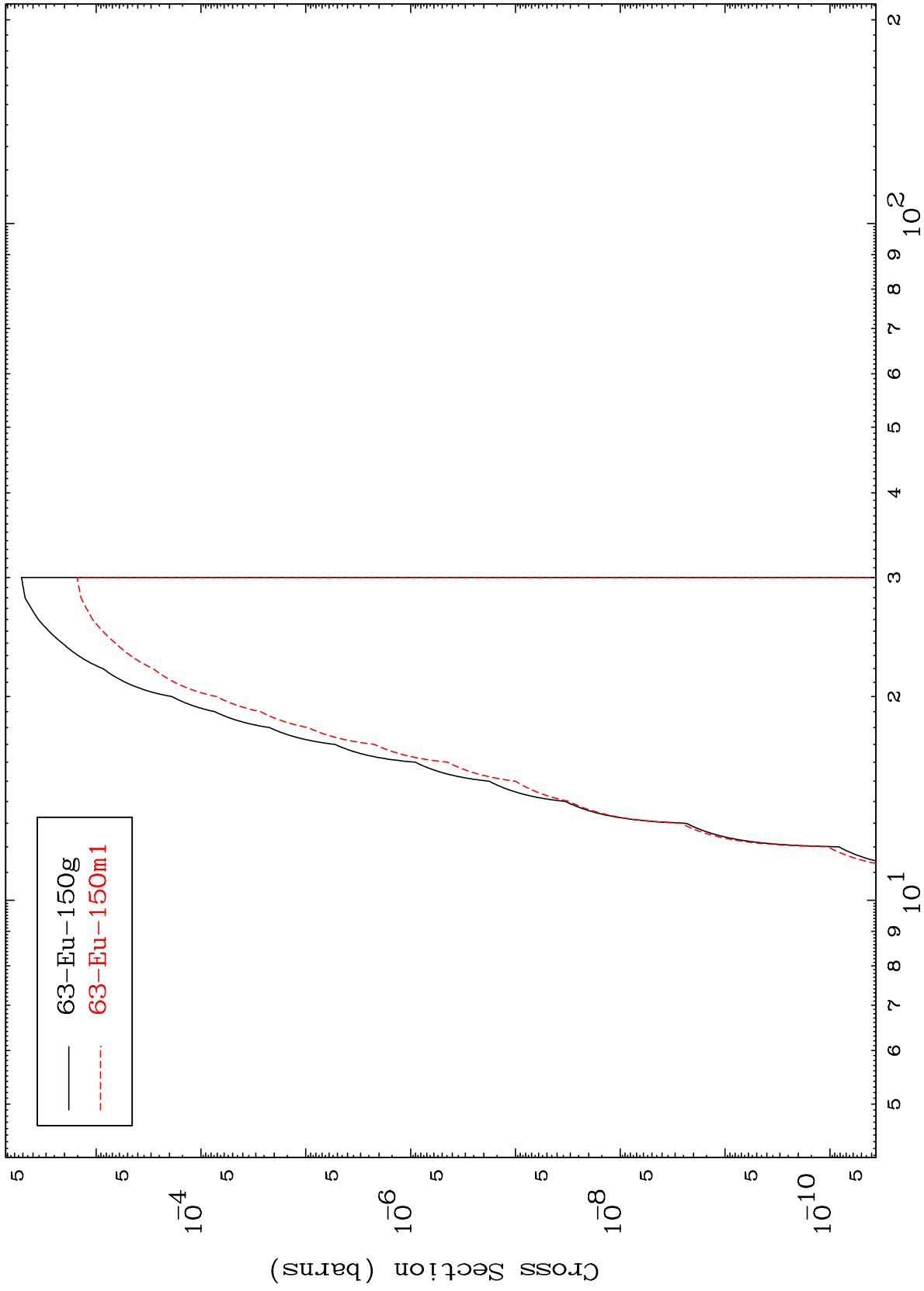
64-Gd-154

MAT 6431

(d,2n) α

64-Gd-154

Radionuclide Production Cross Section



13

Incident Energy (MeV)

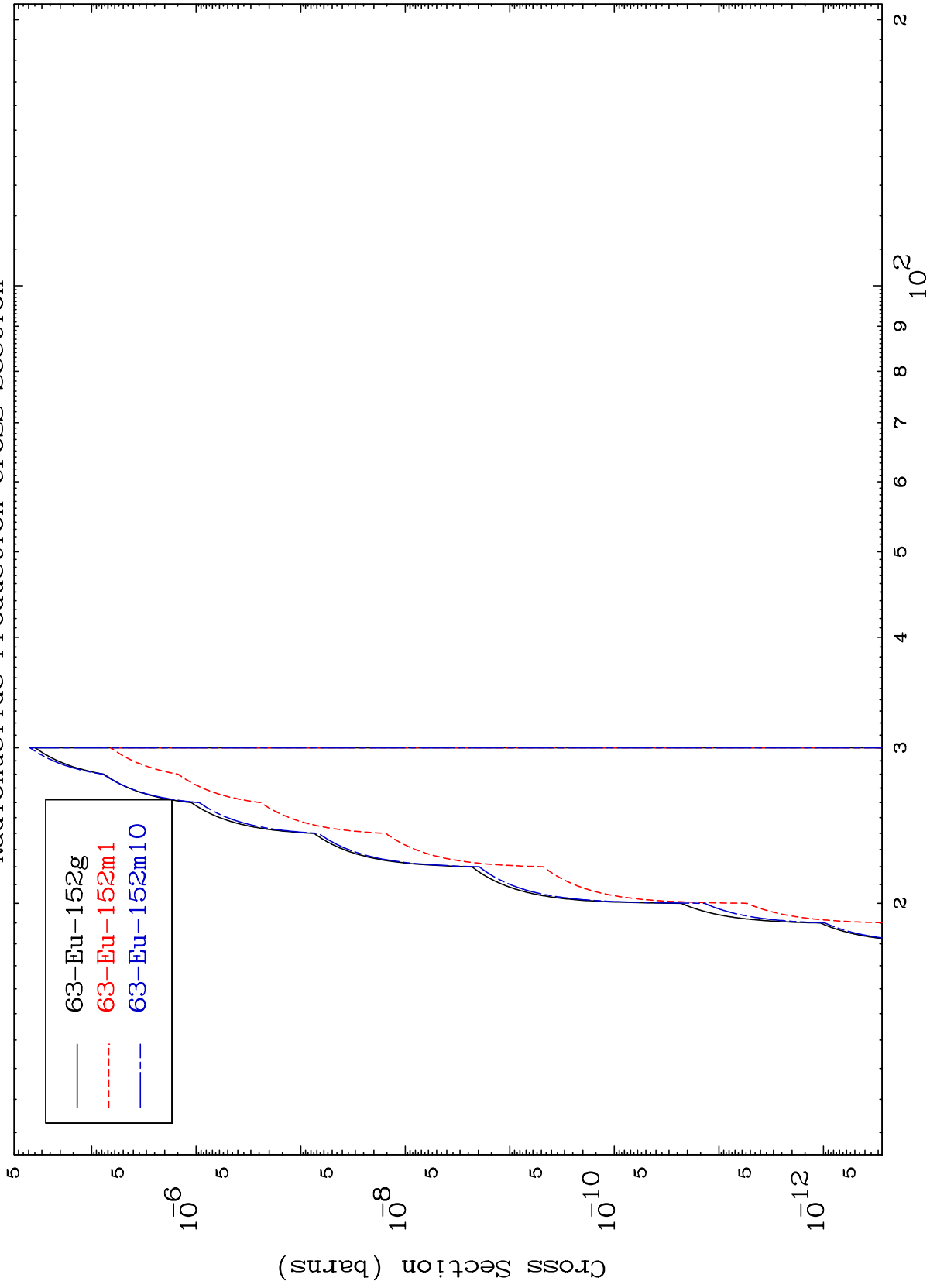
64-Gd-154

MAT 6431

(d, n') He-3

64-Gd-154

Radionuclide Production Cross Section



14

Incident Energy (MeV)

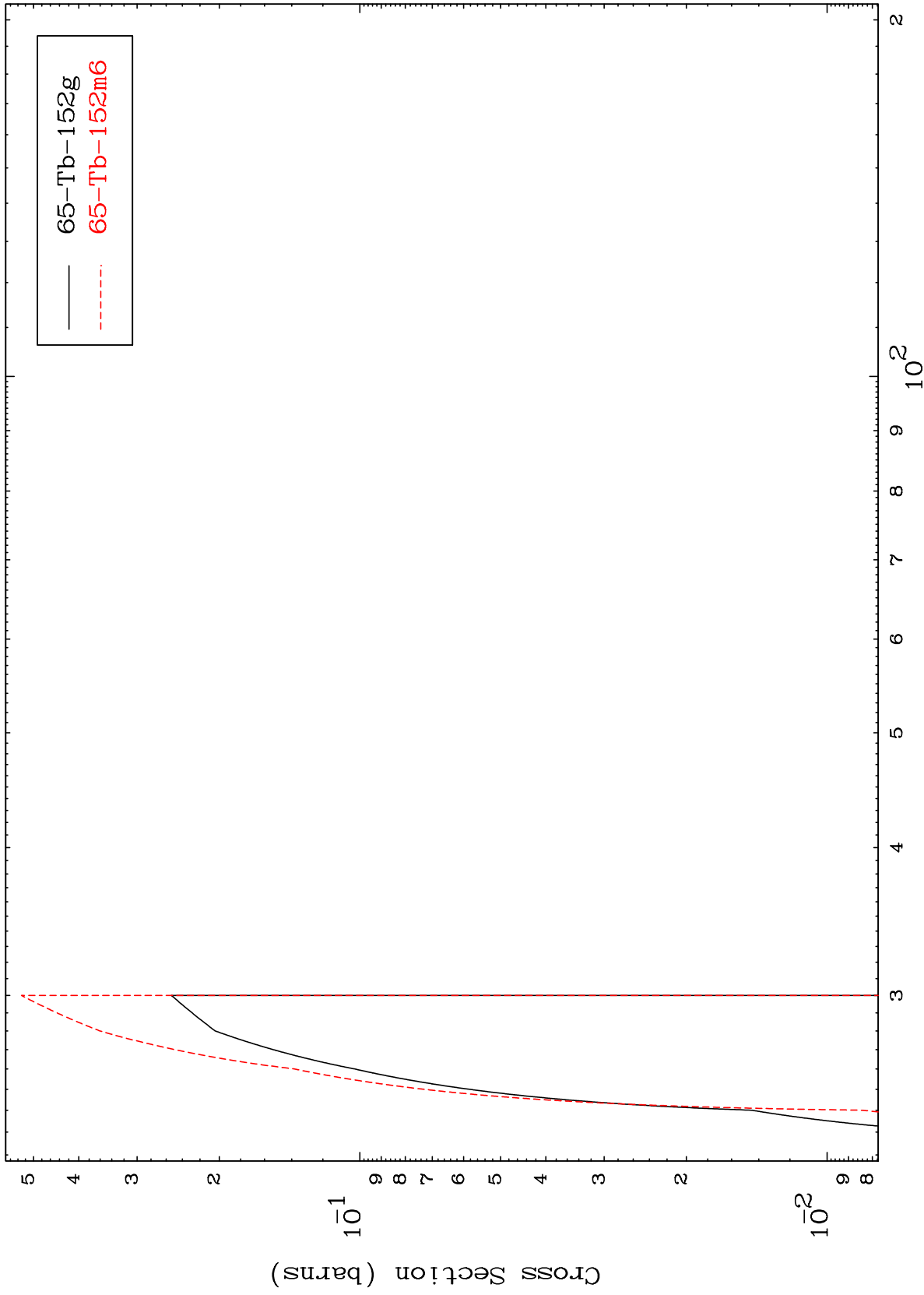
64-Gd-154

MAT 6431

(d,4n)

64-Gd-154

Radionuclide Production Cross Section



15

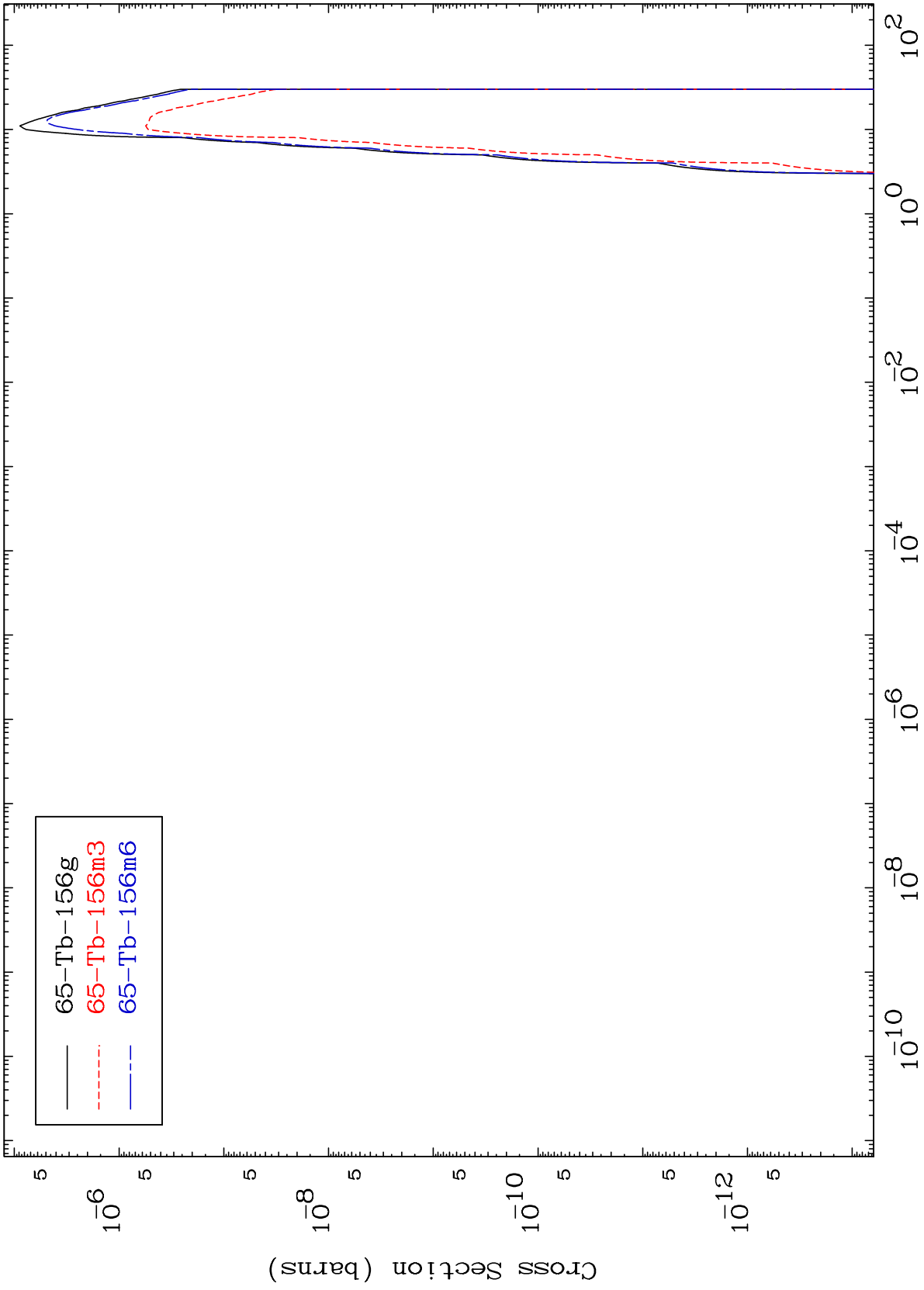
Incident Energy (MeV)

64-Gd-154

MAT 6431

(d, γ)
Radionuclide Production Cross Section

64-Gd-154



16

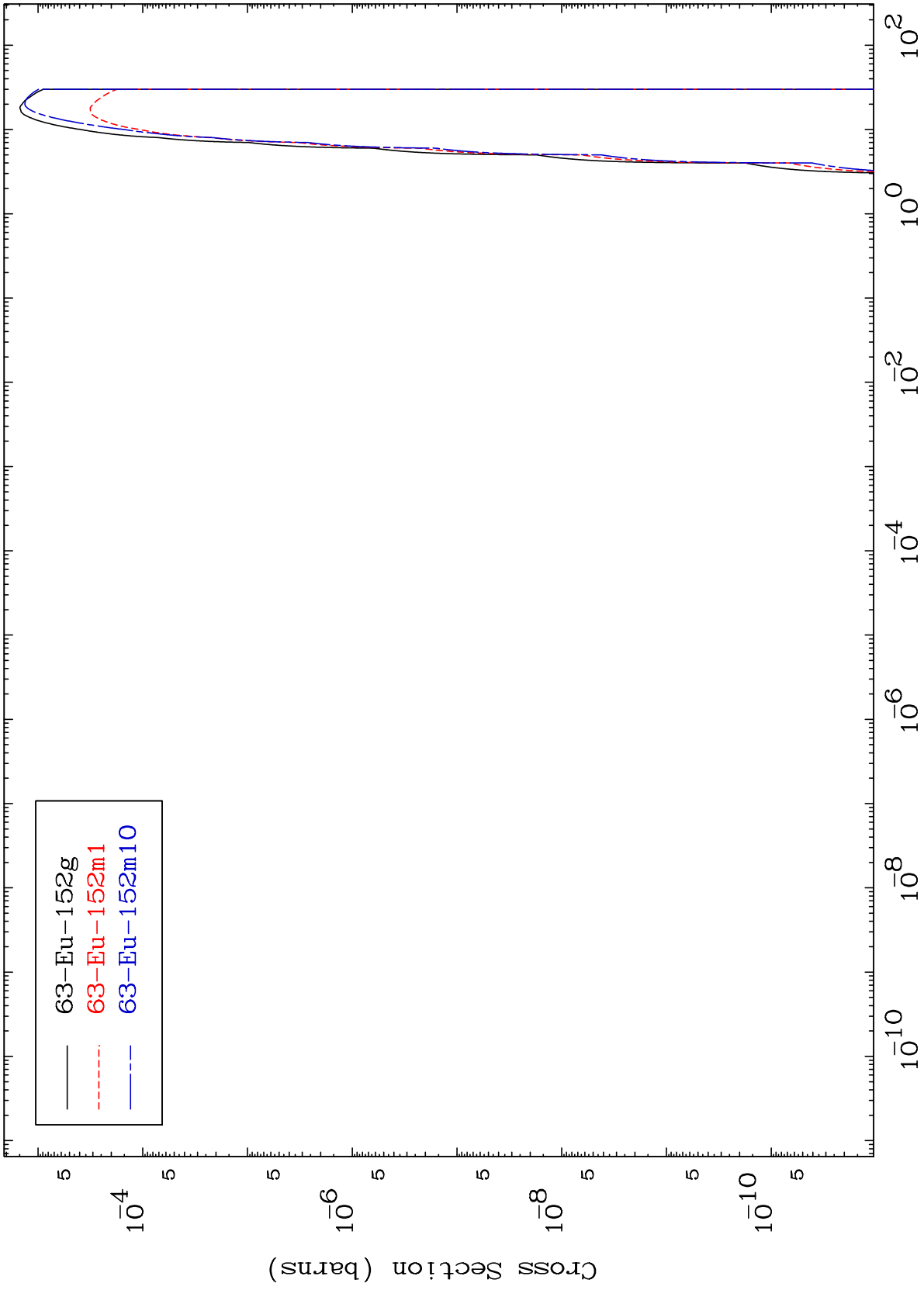
Incident Energy (MeV)

64-Gd-154

MAT 6431

(d, α)
Radionuclide Production Cross Section

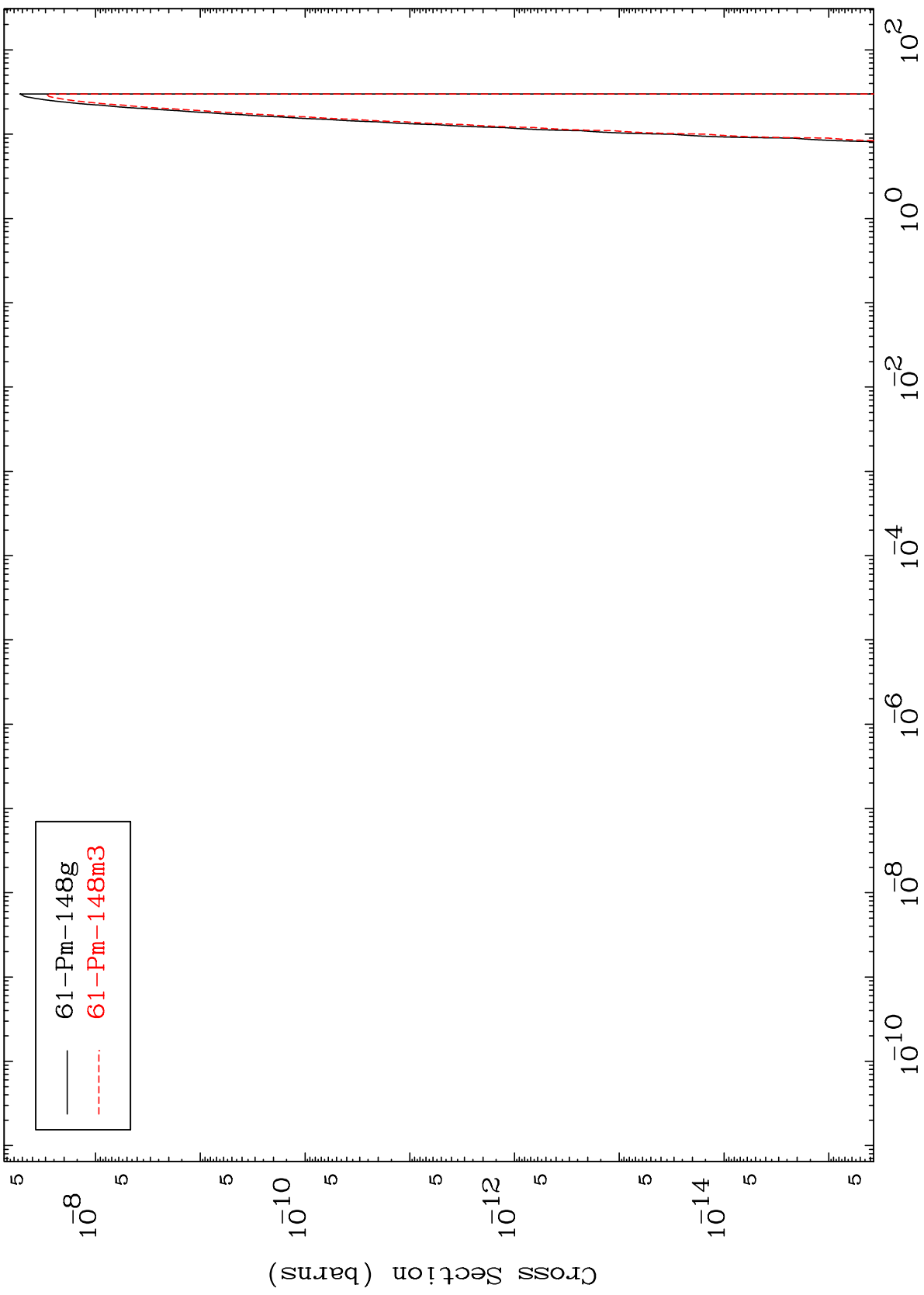
$^{64}\text{Gd-154}$



MAT 6431

Radionuclide Production Cross Section
(d,2α)

64-Gd-154



18

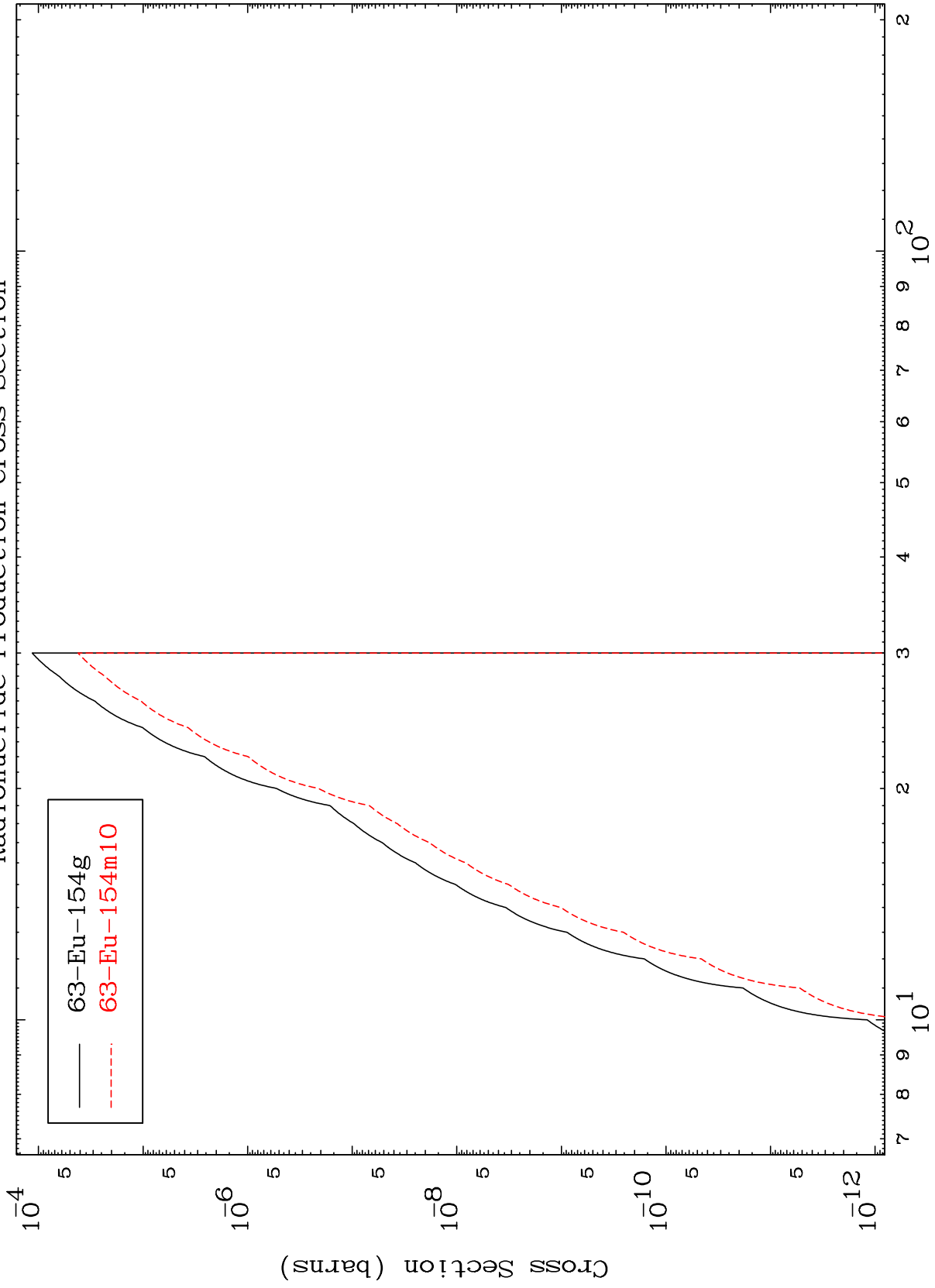
Incident Energy (MeV)

64-Gd-154

MAT 6431

64-Gd-154

Radionuclide Production Cross Section
(d,2p)



19

Incident Energy (MeV)

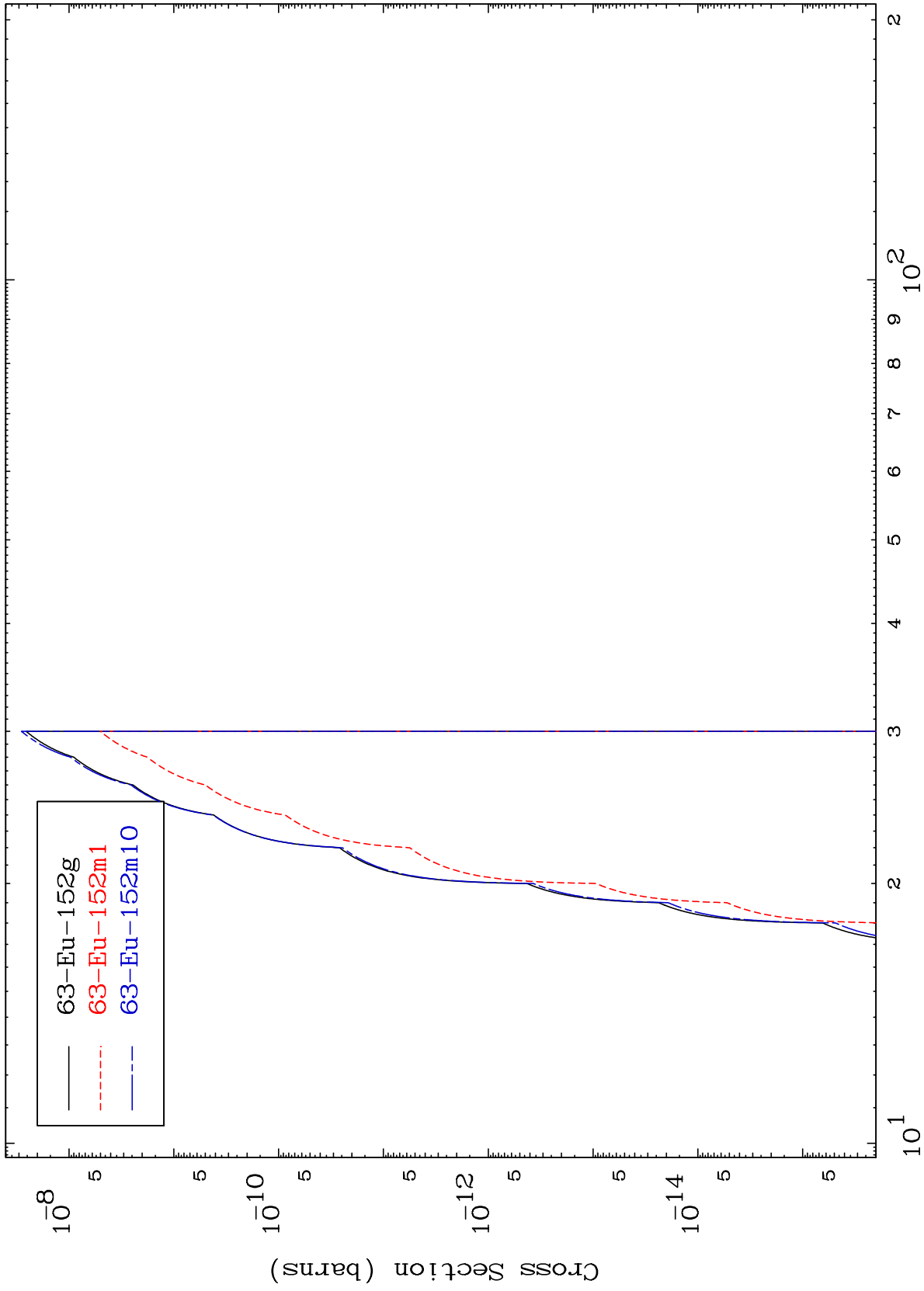
64-Gd-154

MAT 6431

(d,p) t

64-Gd-154

Radionuclide Production Cross Section



63-Eu-152g
63-Eu-152m1
63-Eu-152m10

64-Gd-154

64-Gd-154