

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

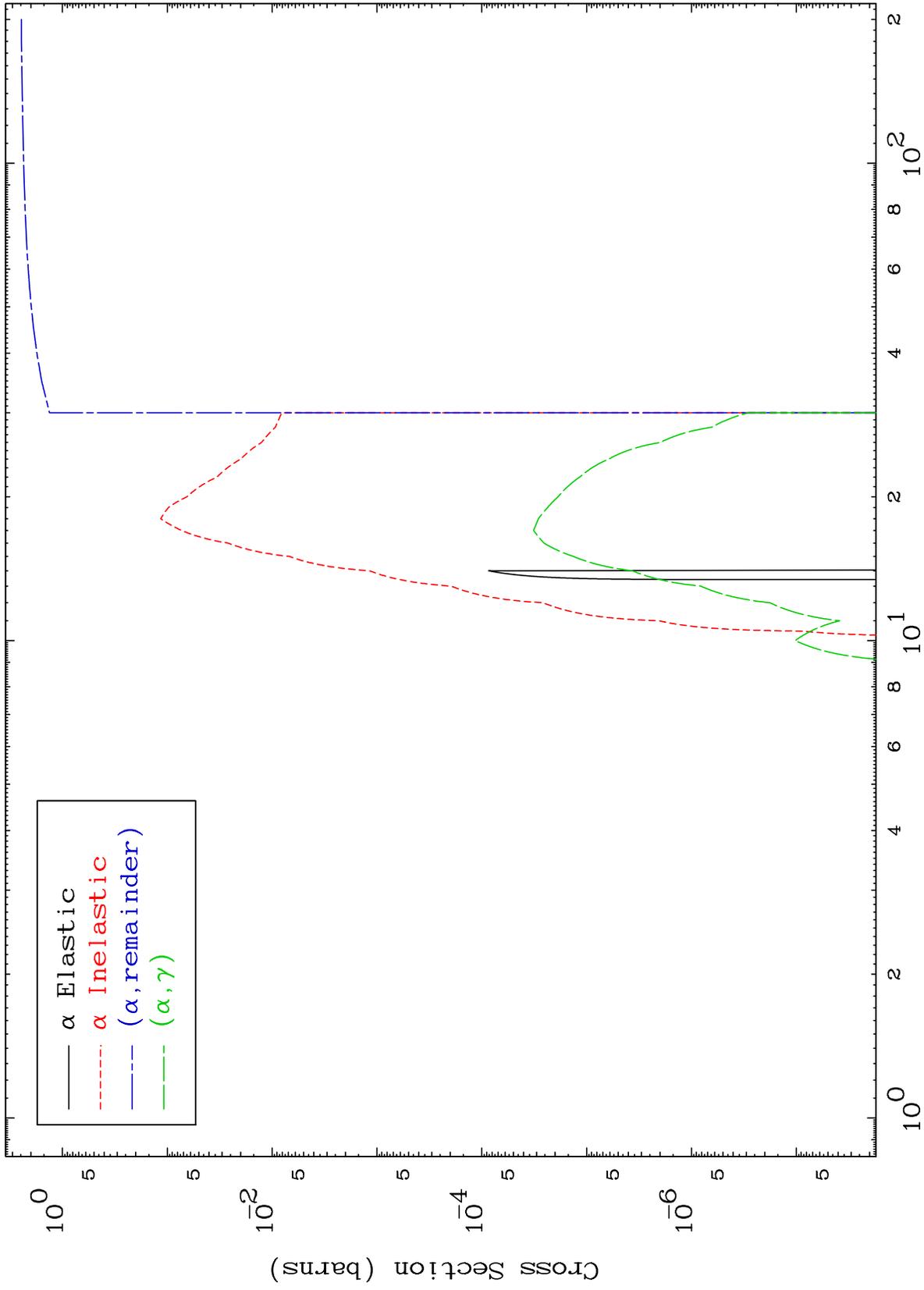
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6431

0 Kelvin α Major

64-Gd-154



1

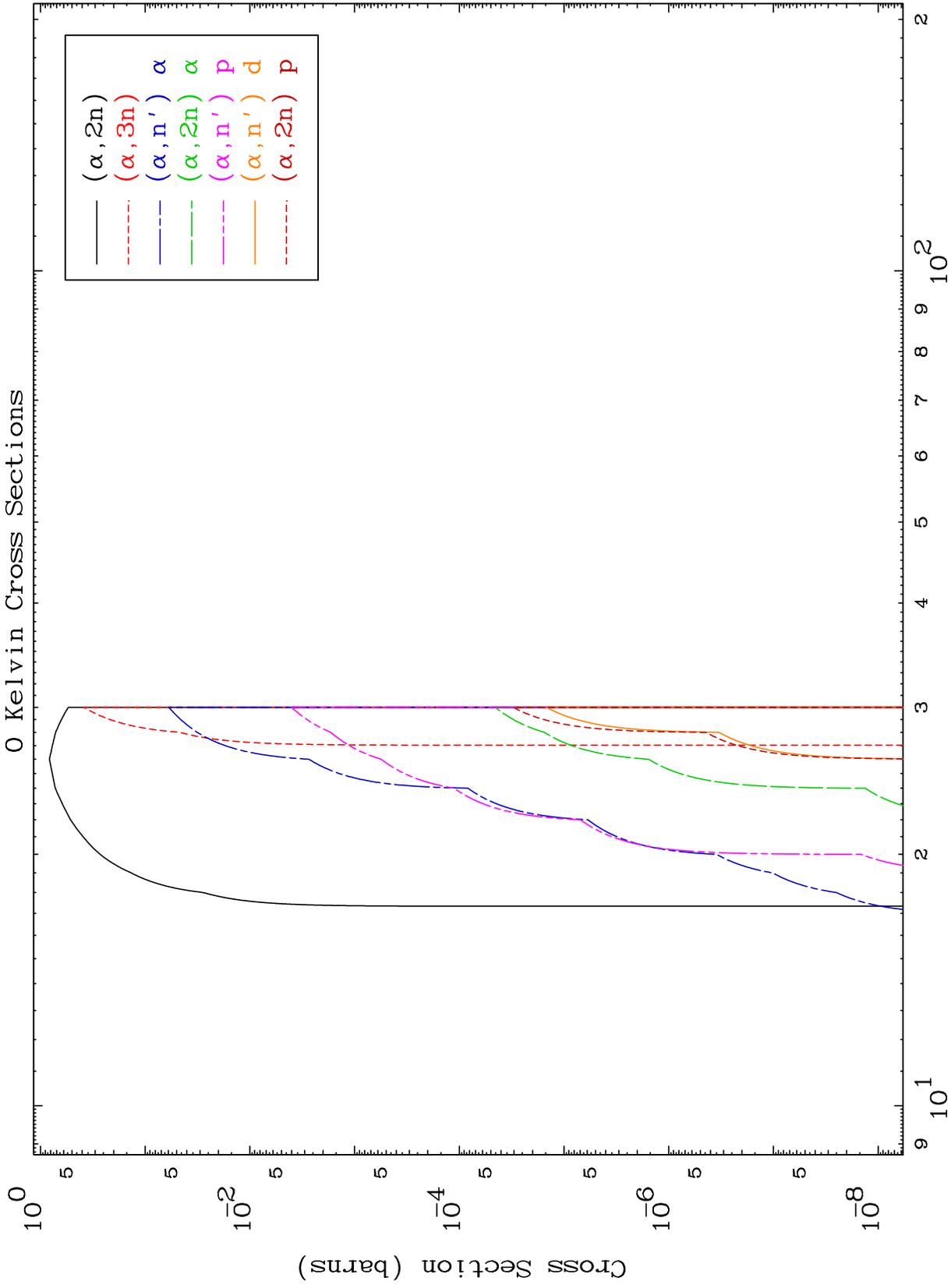
Incident Energy (MeV)

64-Gd-154

MAT 6431

α Neutron Production
0 Kelvin Cross Sections

64-Gd-154



64-Gd-154

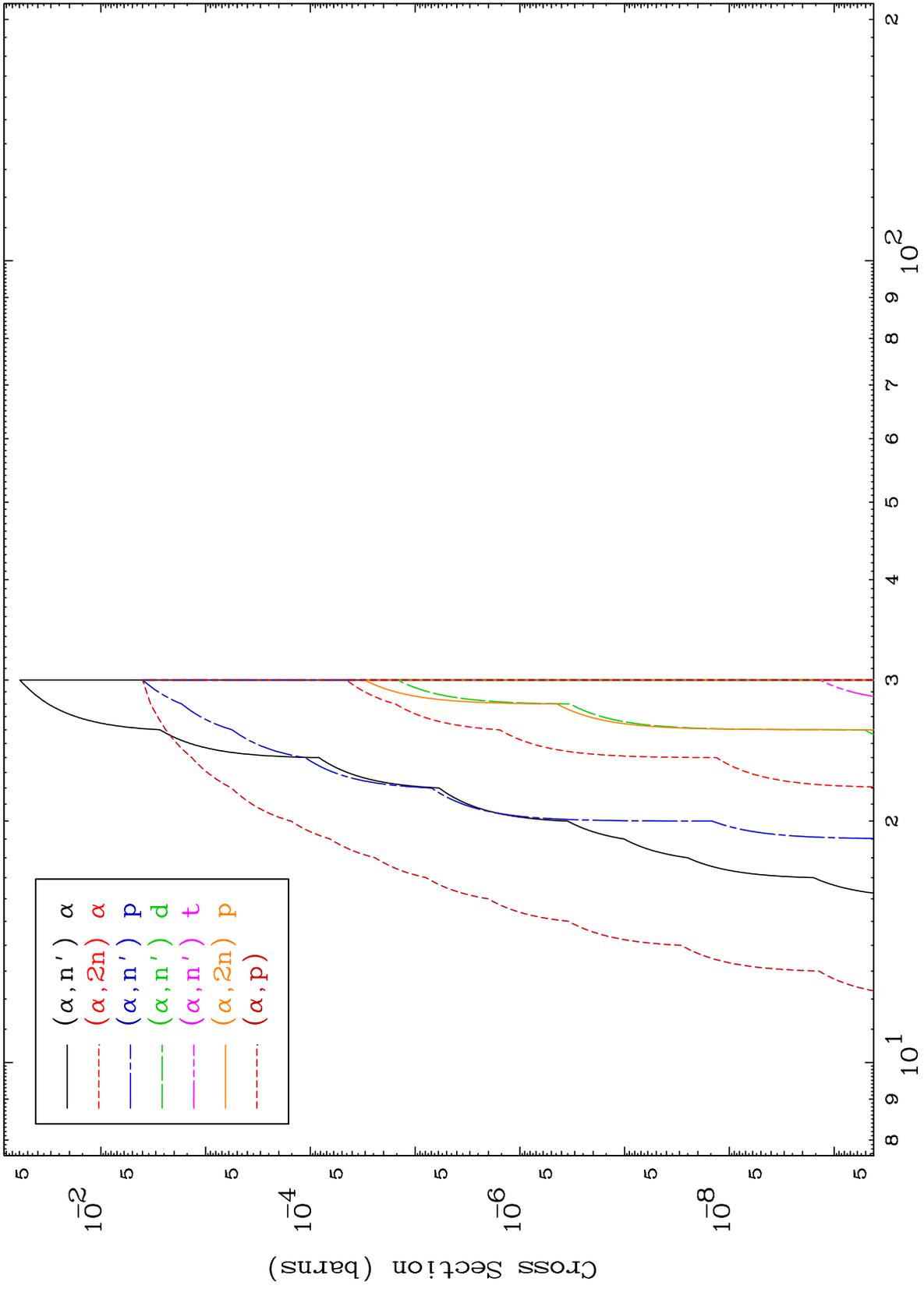
Incident Energy (MeV)

2

MAT 6431

α Charged Particle
0 Kelvin Cross Sections

64-Gd-154



3

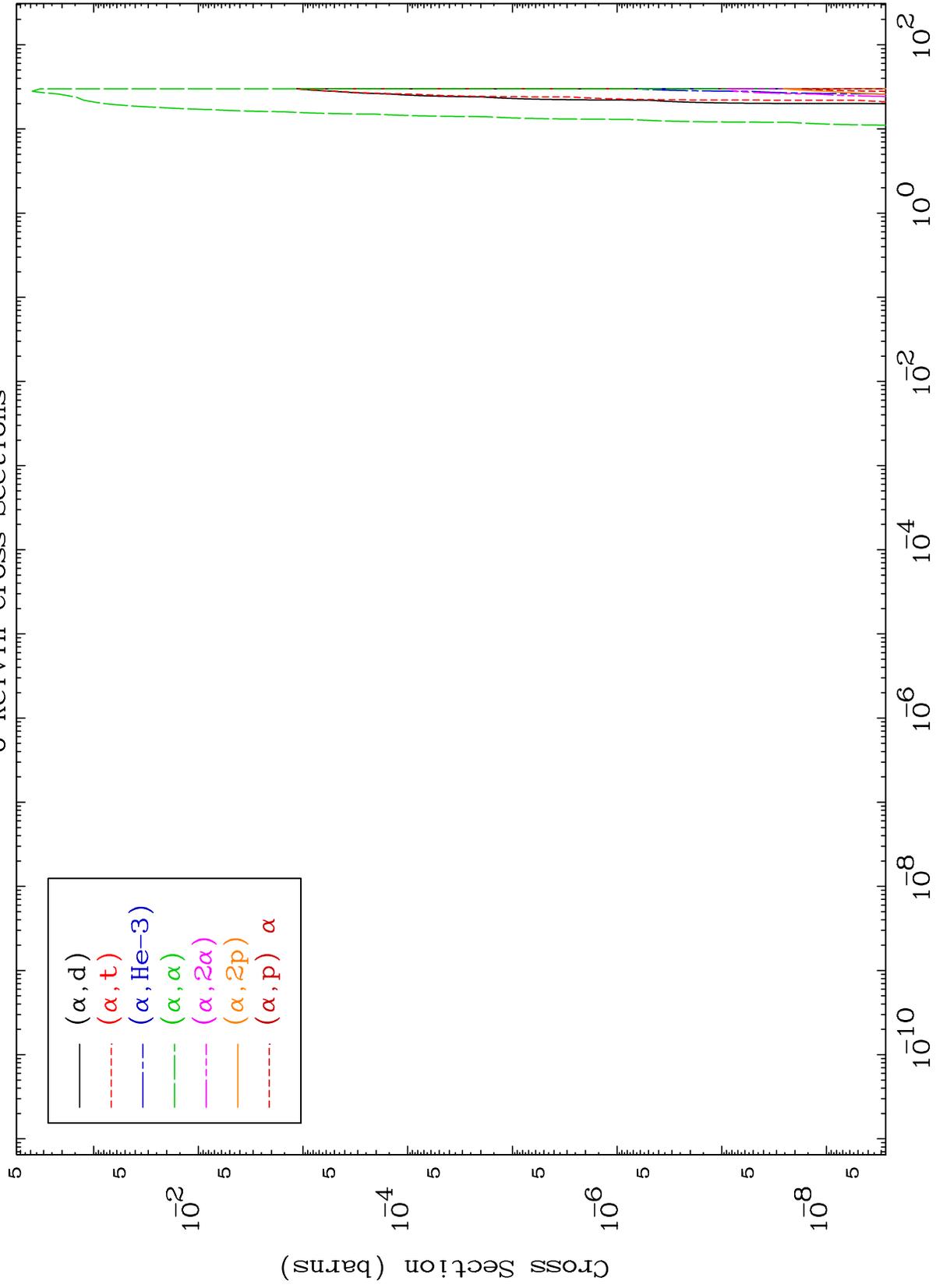
Incident Energy (MeV)

64-Gd-154

MAT 6431

α Charged Particle
0 Kelvin Cross Sections

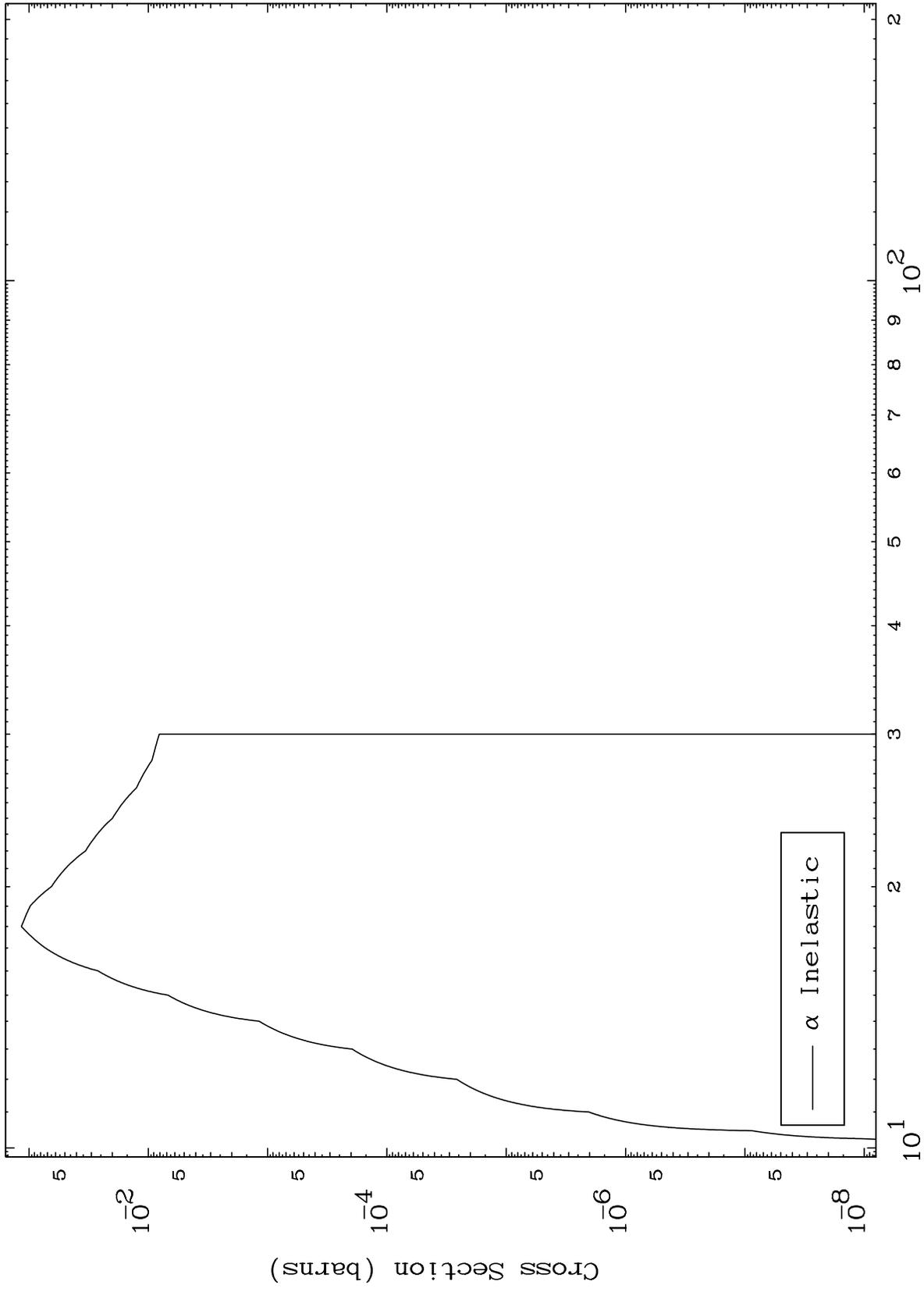
64-Gd-154



MAT 6431

(α, n') Level
0 Kelvin Cross Sections

64-Gd-154



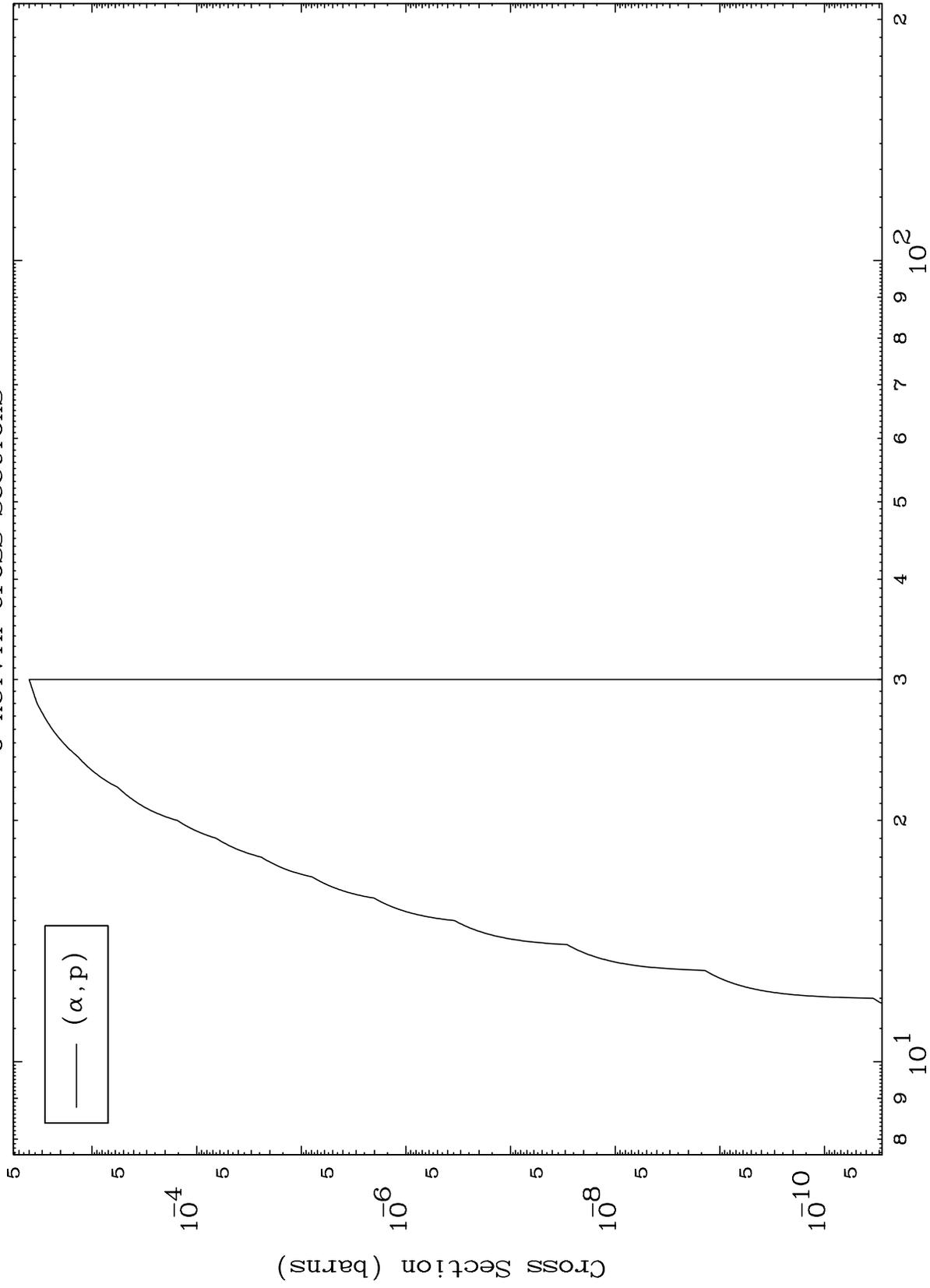
Incident Energy (MeV)

64-Gd-154

MAT 6431

(α, p) Levels
0 Kelvin Cross Sections

64-Gd-154



6

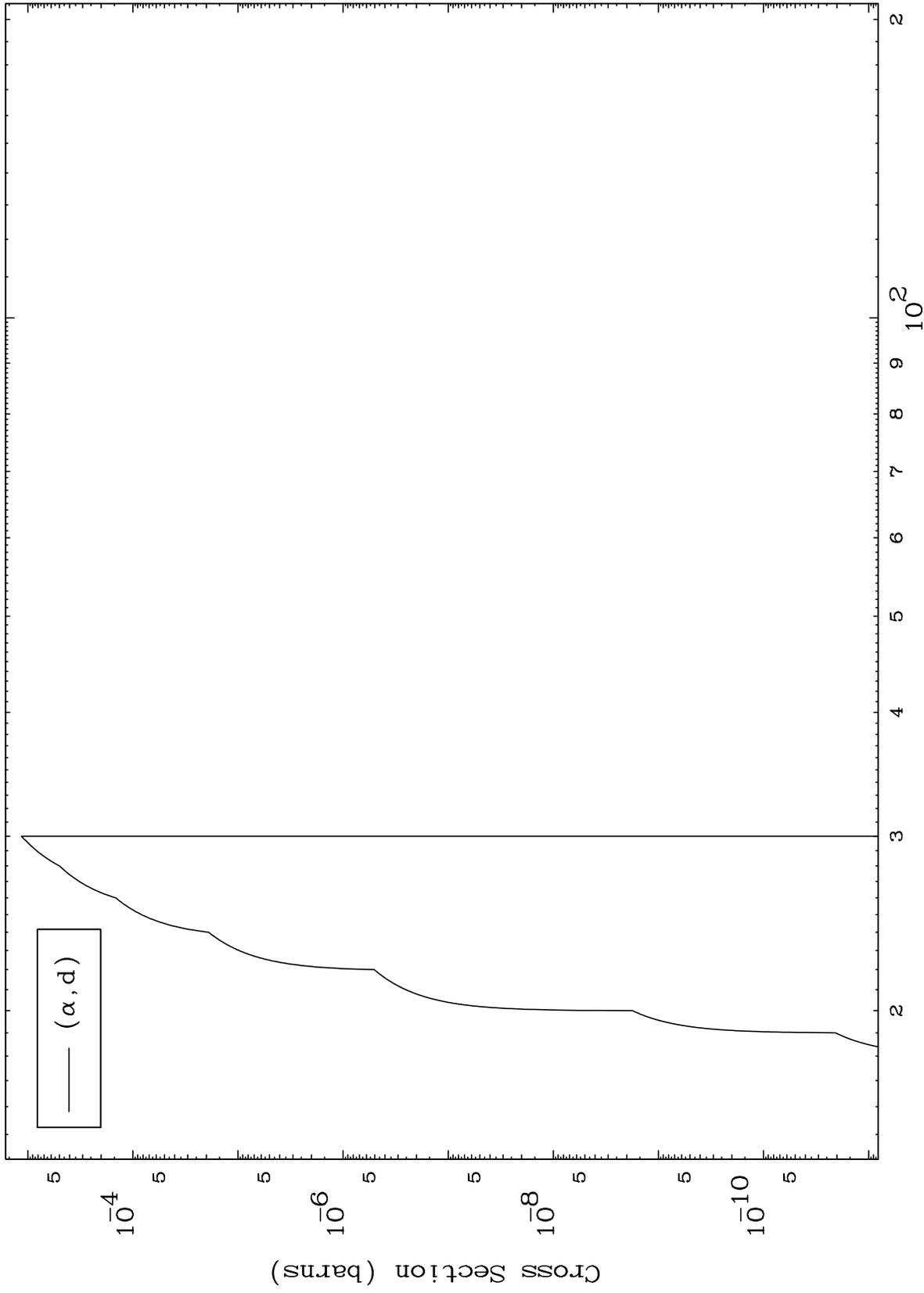
Incident Energy (MeV)

64-Gd-154

MAT 6431

(α, d) Levels
0 Kelvin Cross Sections

64-Gd-154



7

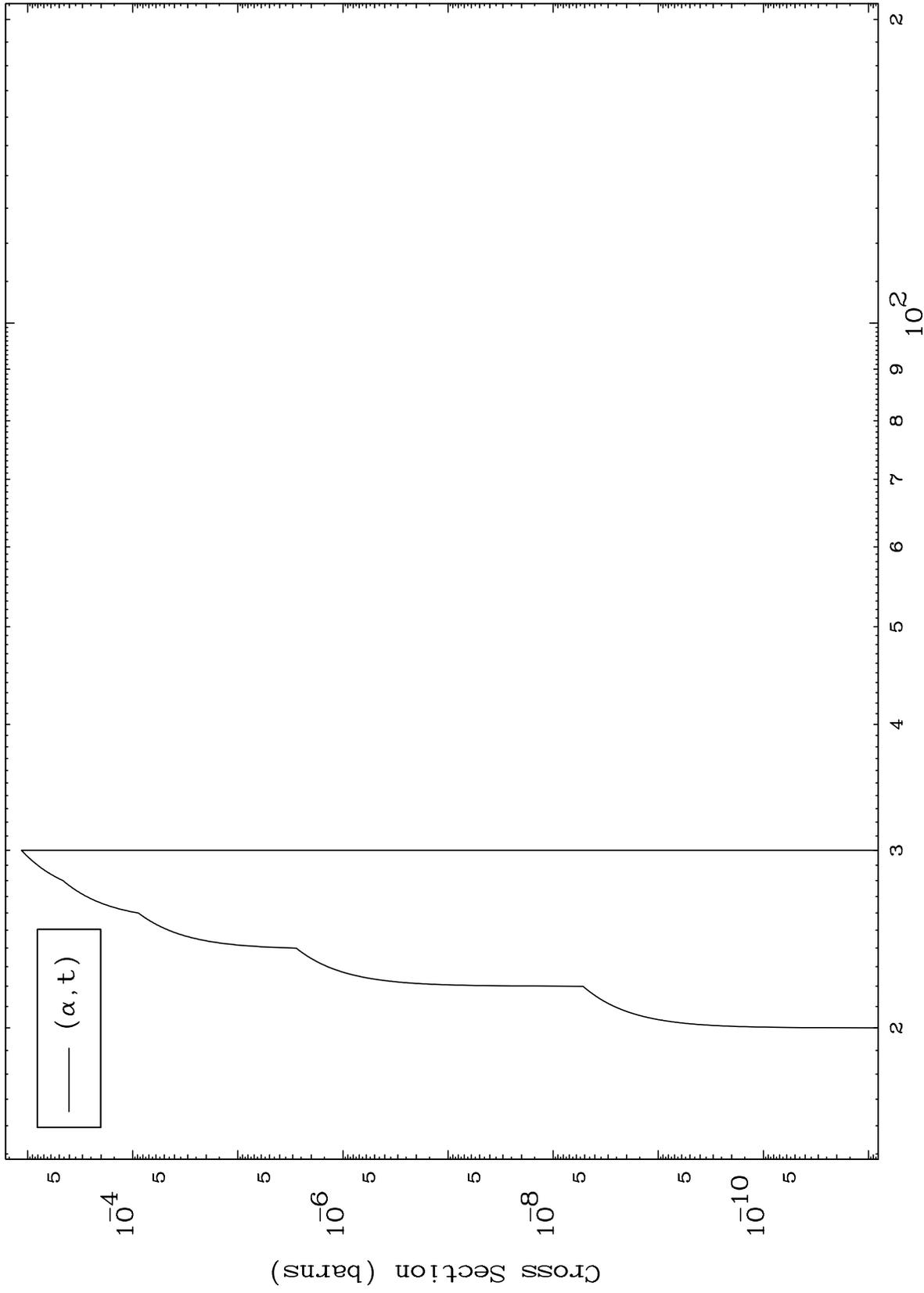
Incident Energy (MeV)

64-Gd-154

MAT 6431

(α, t) Levels
0 Kelvin Cross Sections

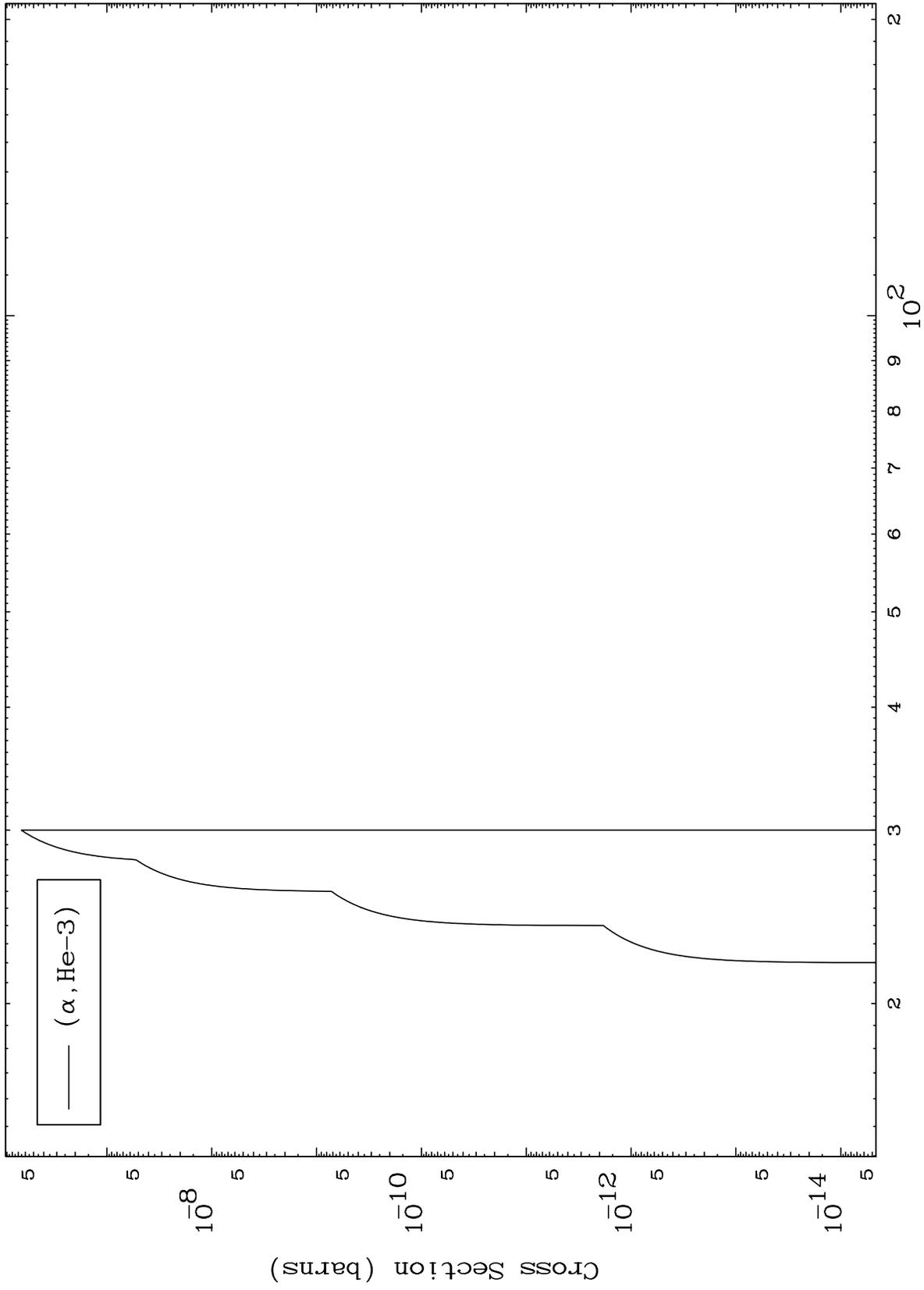
64-Gd-154



MAT 6431

($\alpha, \text{He}3$) Levels
0 Kelvin Cross Sections

64-Gd-154



9

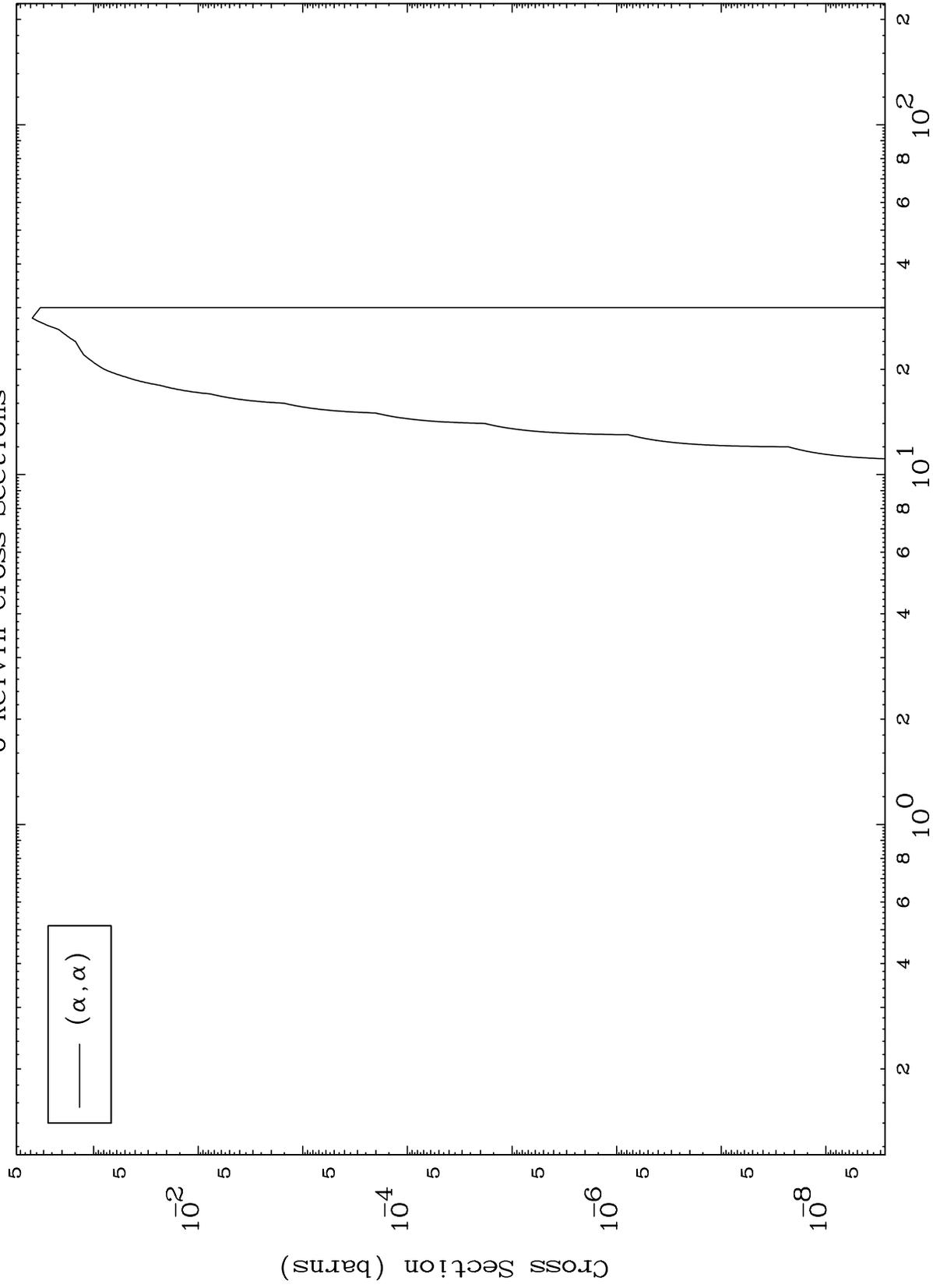
Incident Energy (MeV)

64-Gd-154

MAT 6431

(α, α) Levels
0 Kelvin Cross Sections

64-Gd-154



10

Incident Energy (MeV)

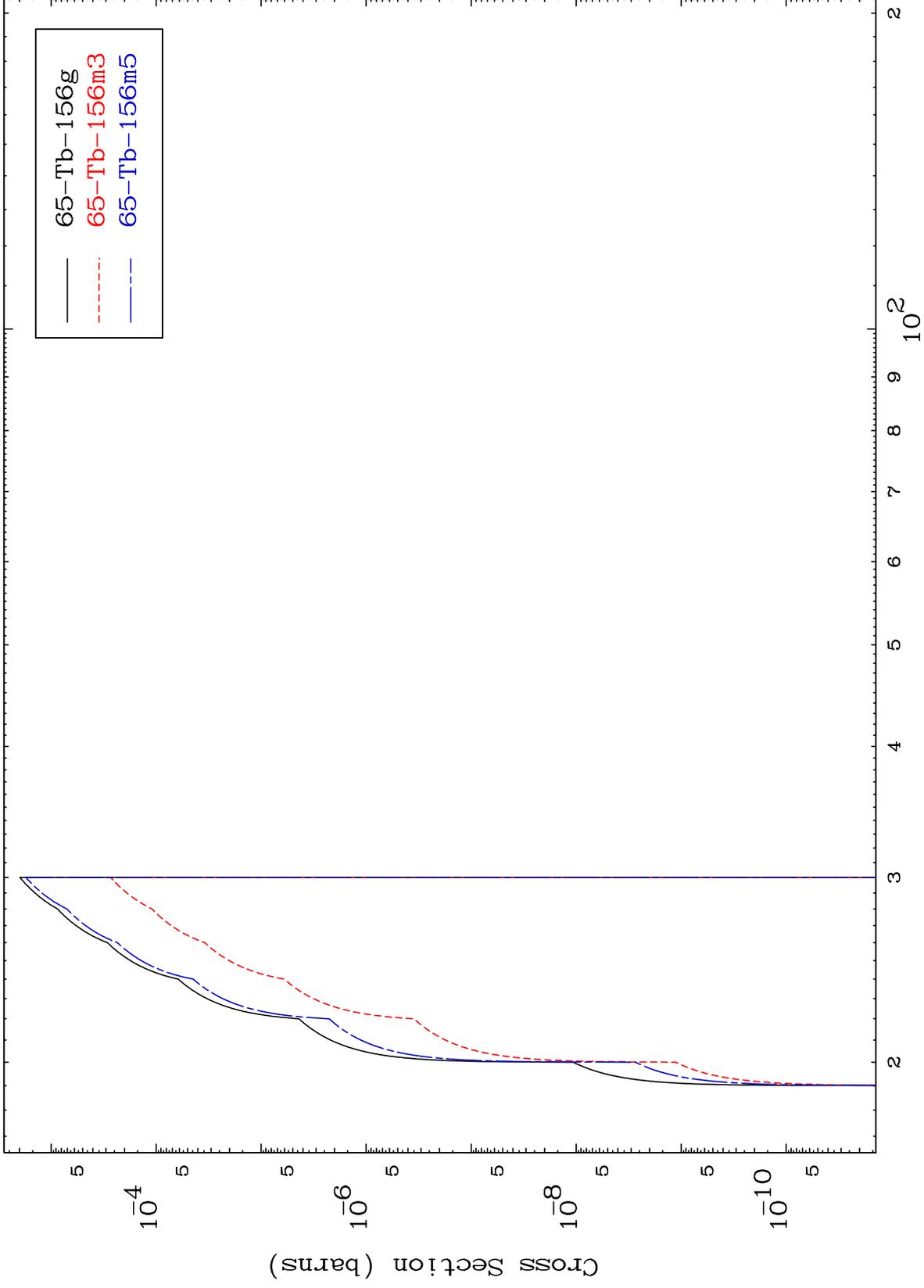
64-Gd-154

MAT 6431

(α, n') p

64-Gd-154

Radionuclide Production Cross Section



11

Incident Energy (MeV)

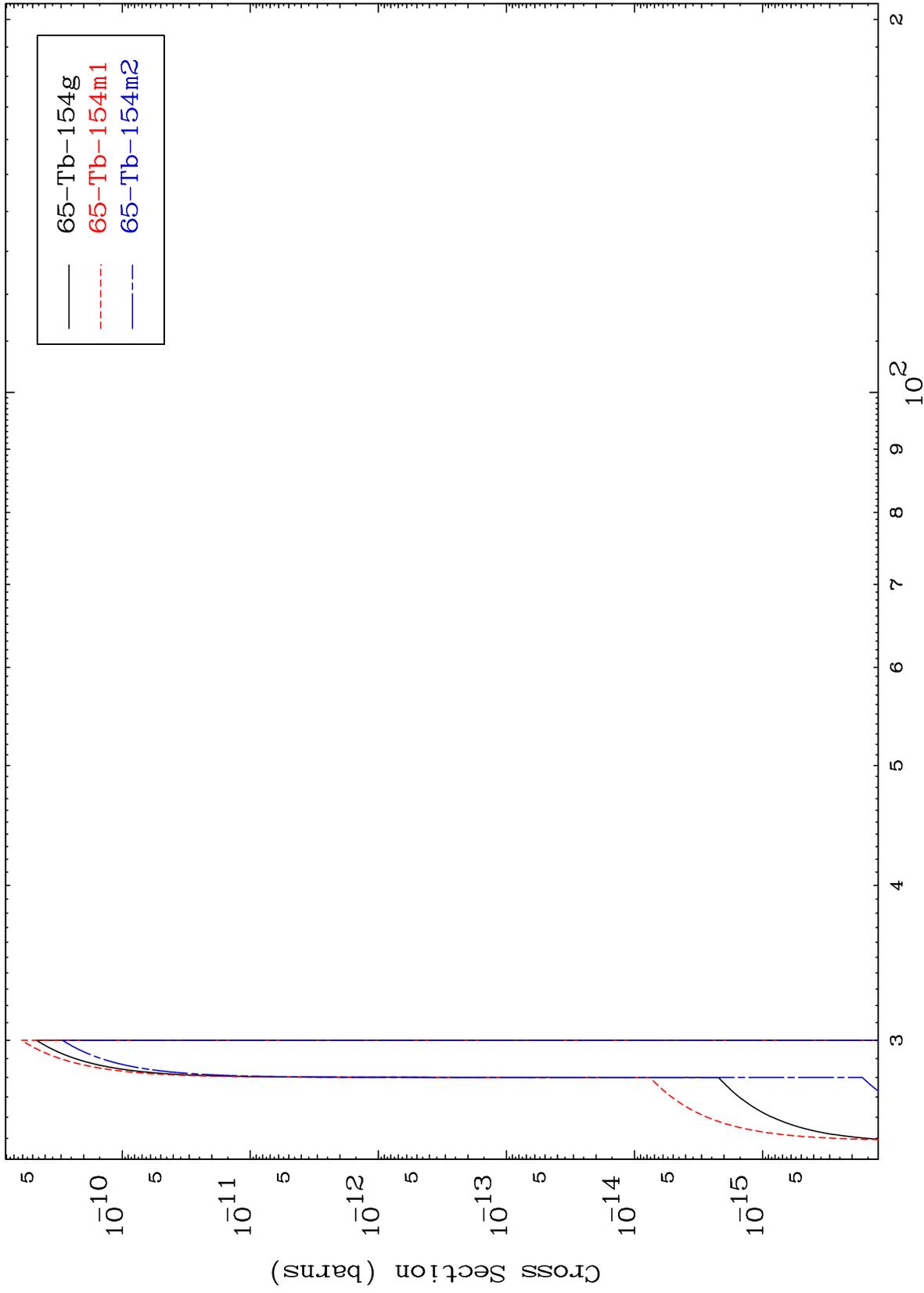
64-Gd-154

MAT 6431

(α, n') t

64-Gd-154

Radionuclide Production Cross Section



12

Incident Energy (MeV)

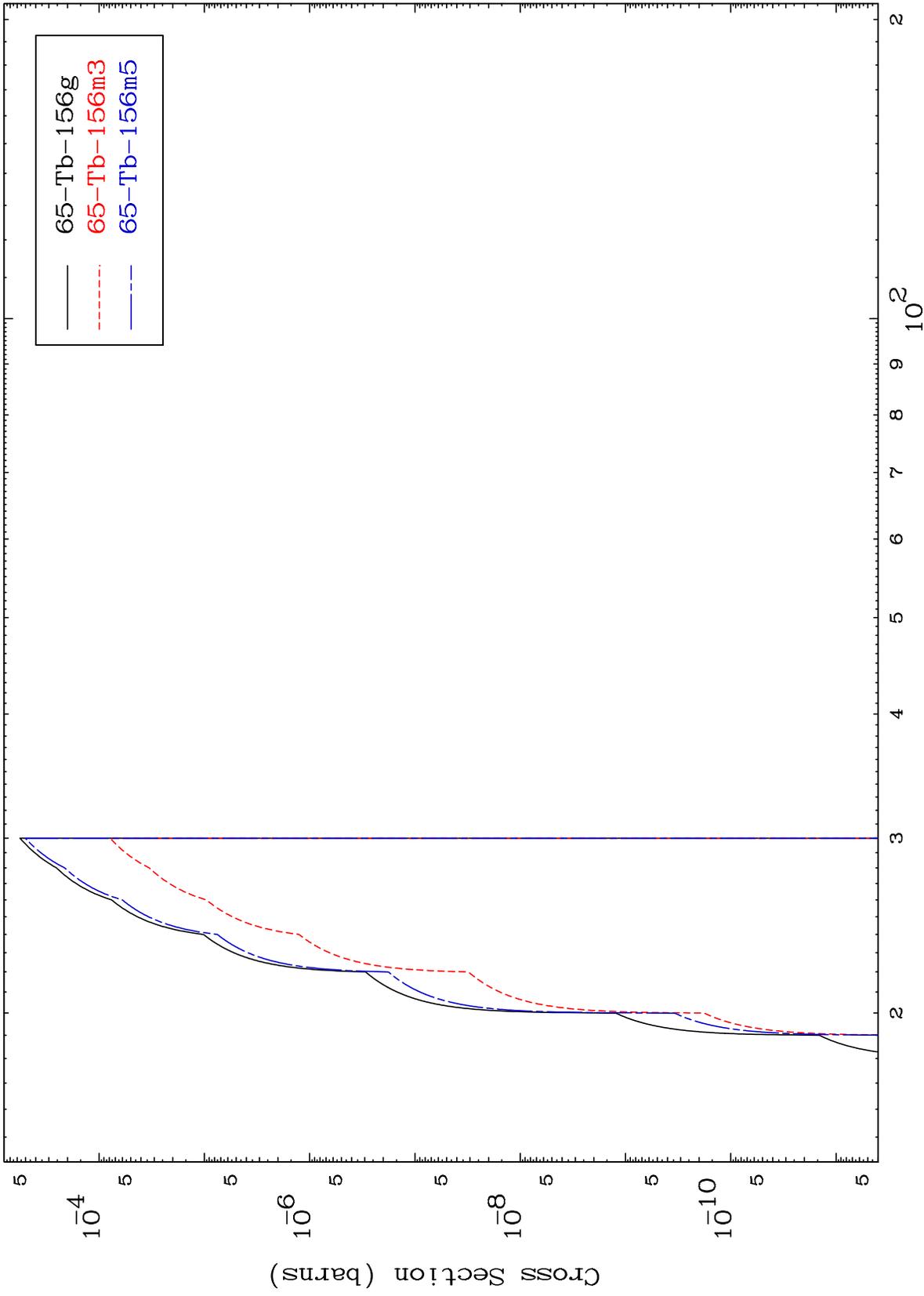
64-Gd-154

MAT 6431

(α, d)

64-Gd-154

Radionuclide Production Cross Section



13

Incident Energy (MeV)

64-Gd-154