

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

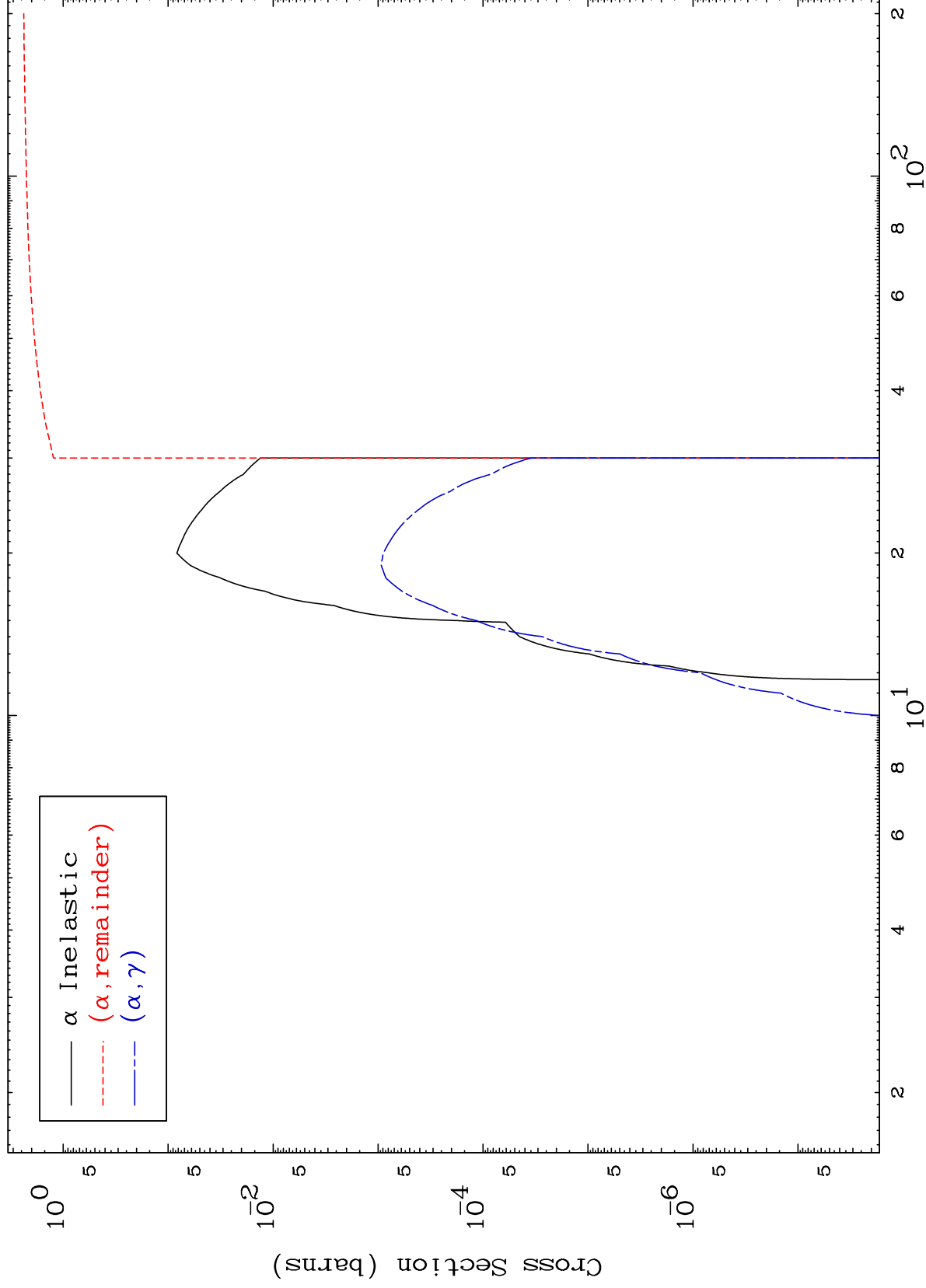
Press Mouse Button to Start

MAT 6398

α Major

64-Gd-143

0 Kelvin Cross Sections



1

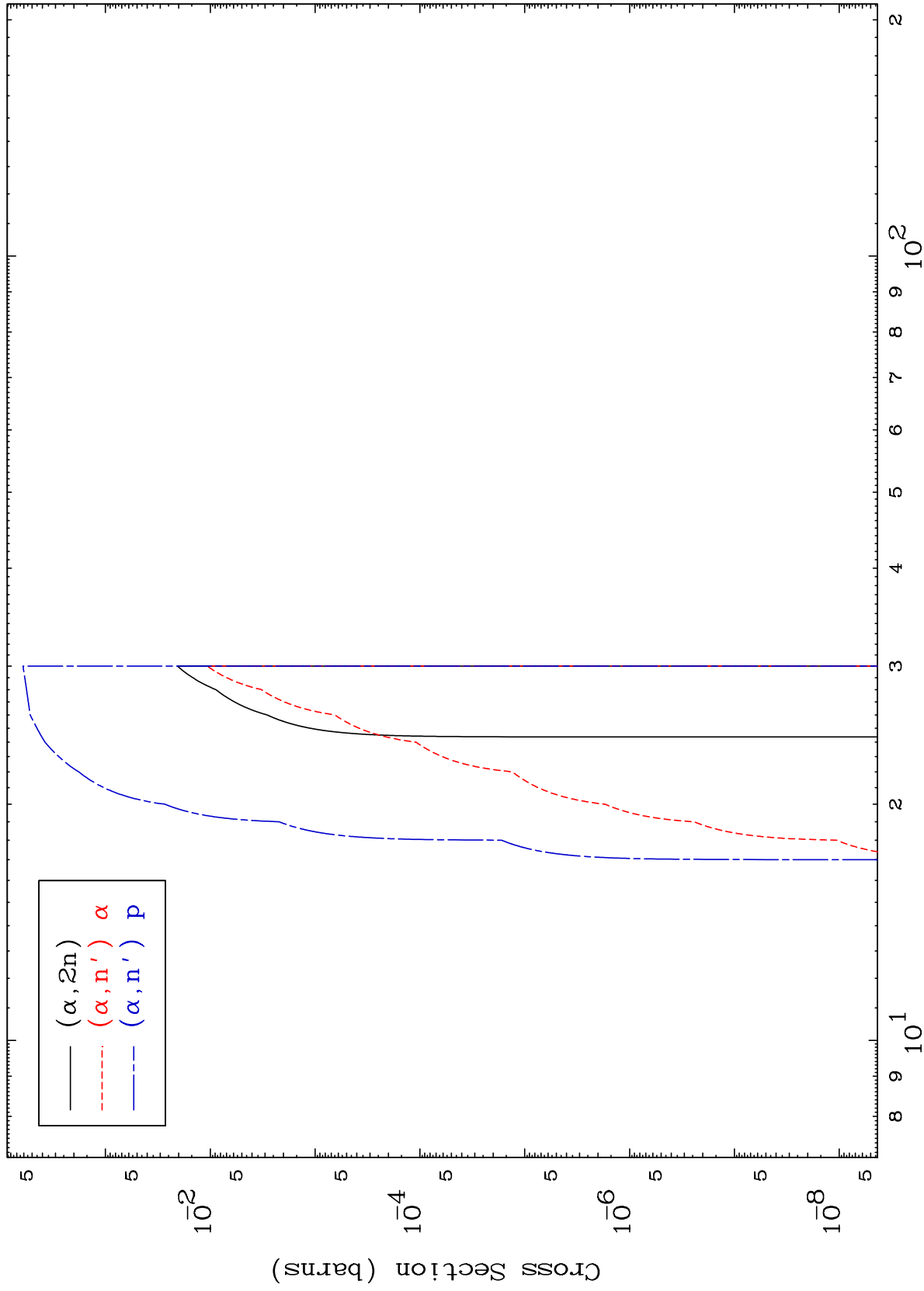
Incident Energy (MeV)

64-Gd-143

MAT 6398

α Neutron Production
0 Kelvin Cross Sections

64-Gd-143

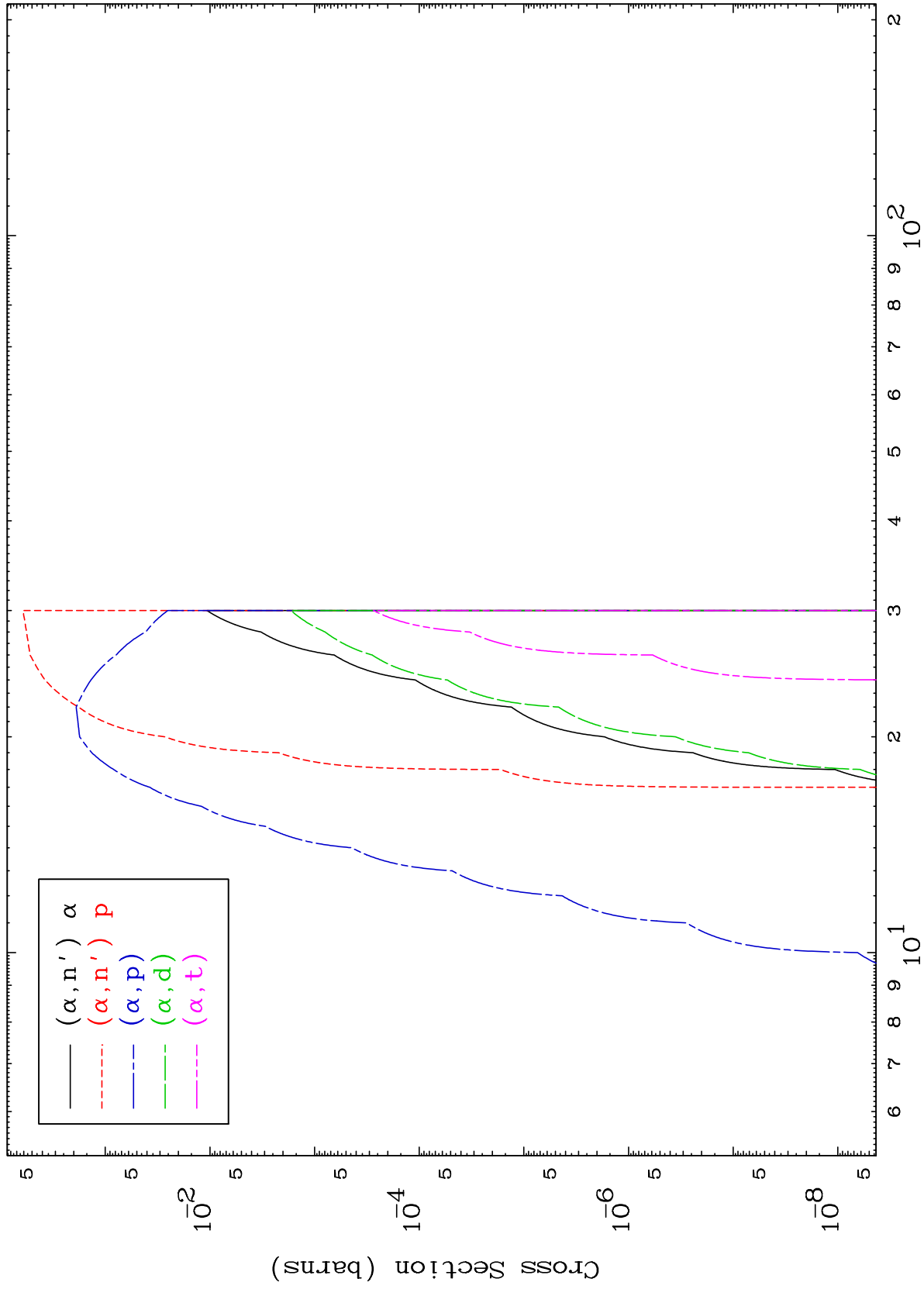


2

Incident Energy (MeV)

64-Gd-143

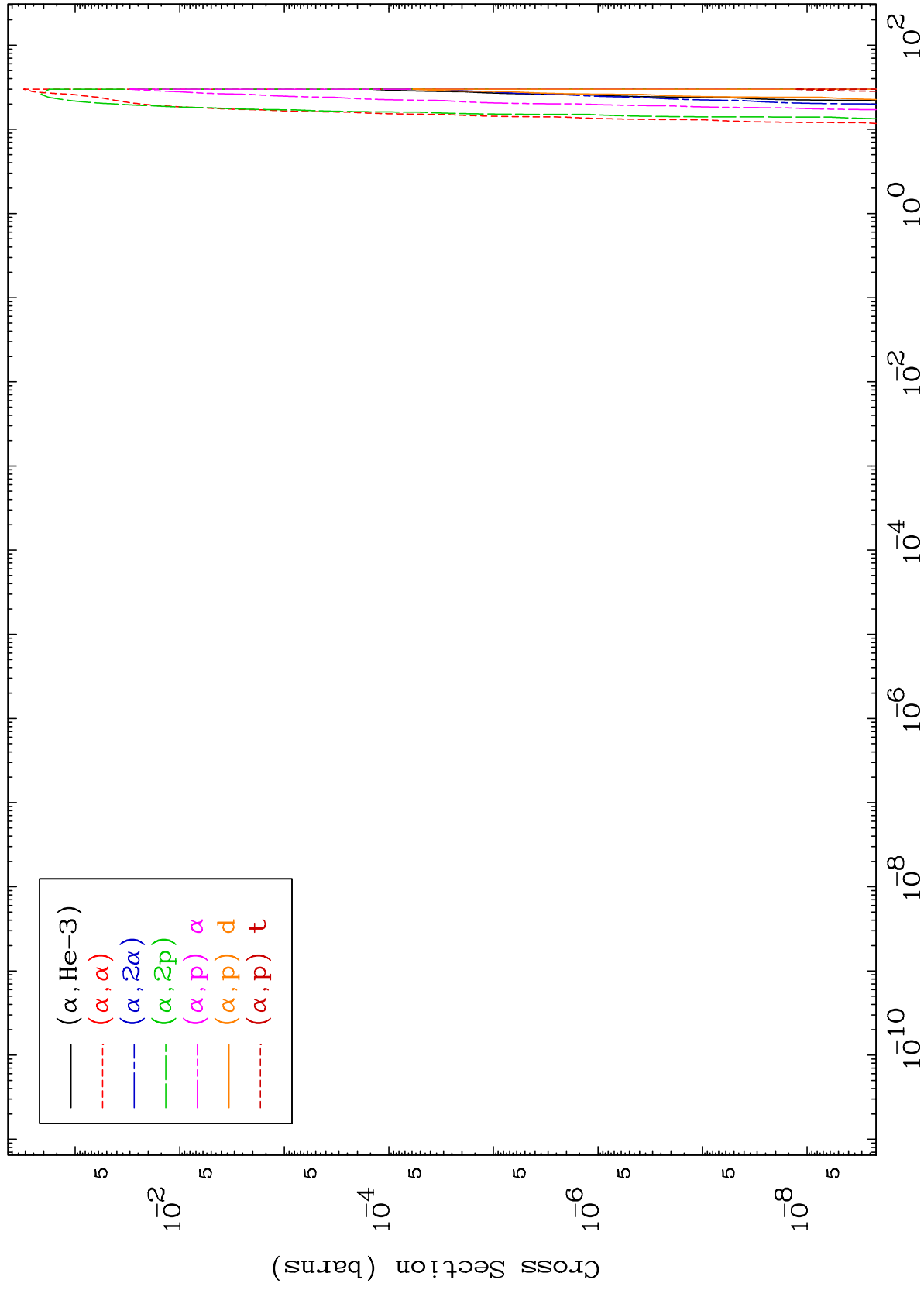
α Charged Particle
0 Kelvin Cross Sections

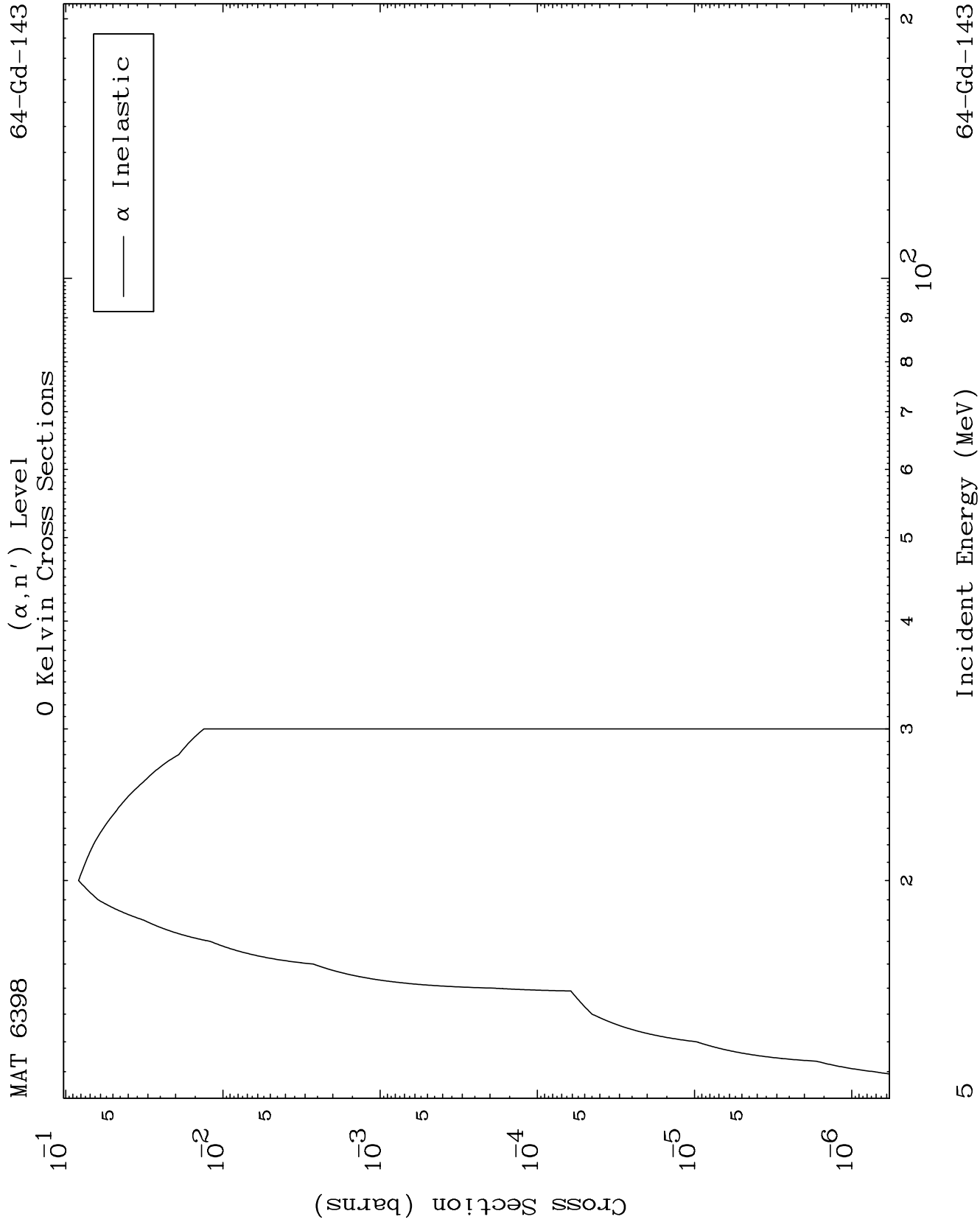


MAT 6398

α Charged Particle
0 Kelvin Cross Sections

64-Gd-143

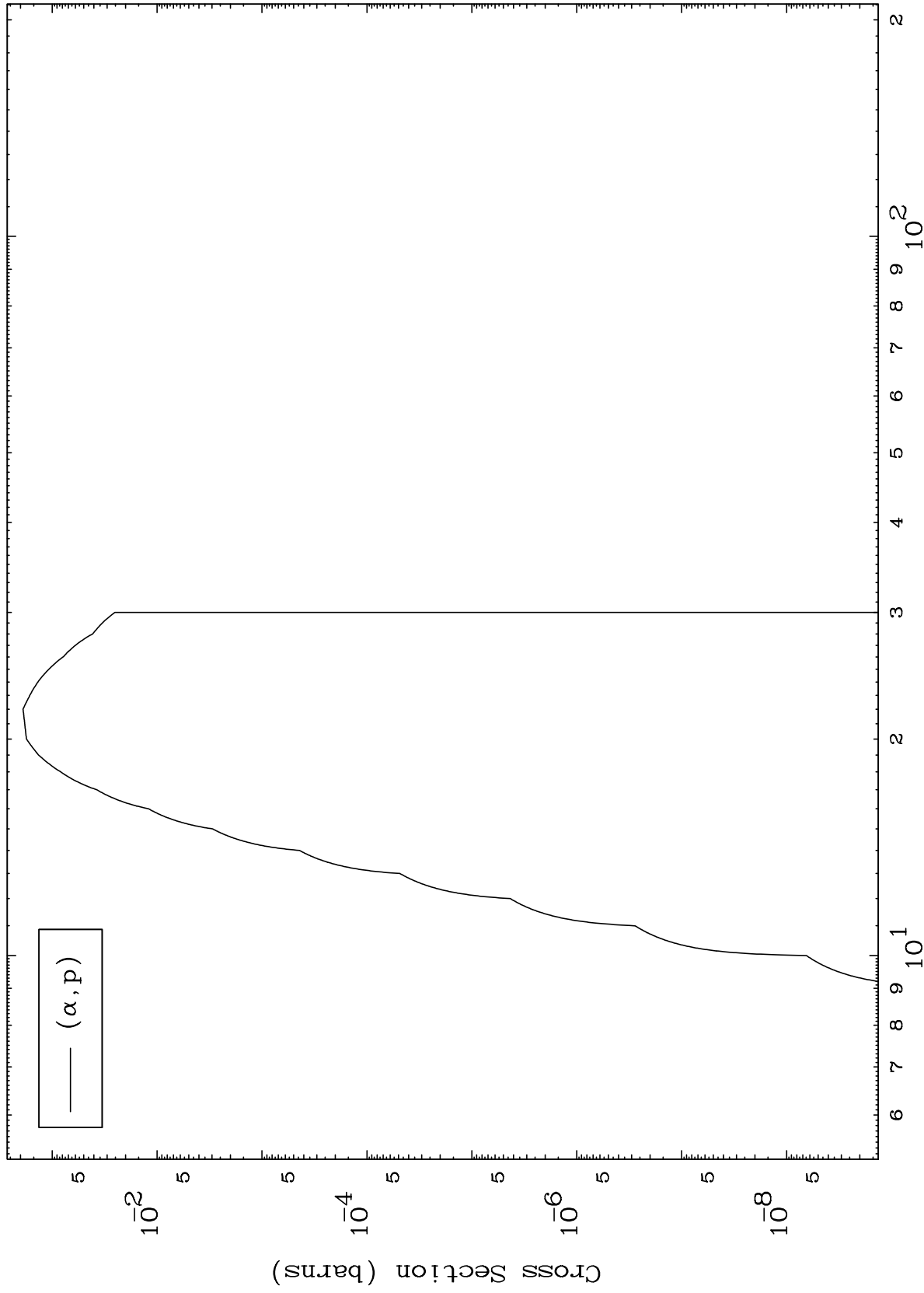




MAT 6398

64-Gd-143

(α ,p) Levels
0 Kelvin Cross Sections



6

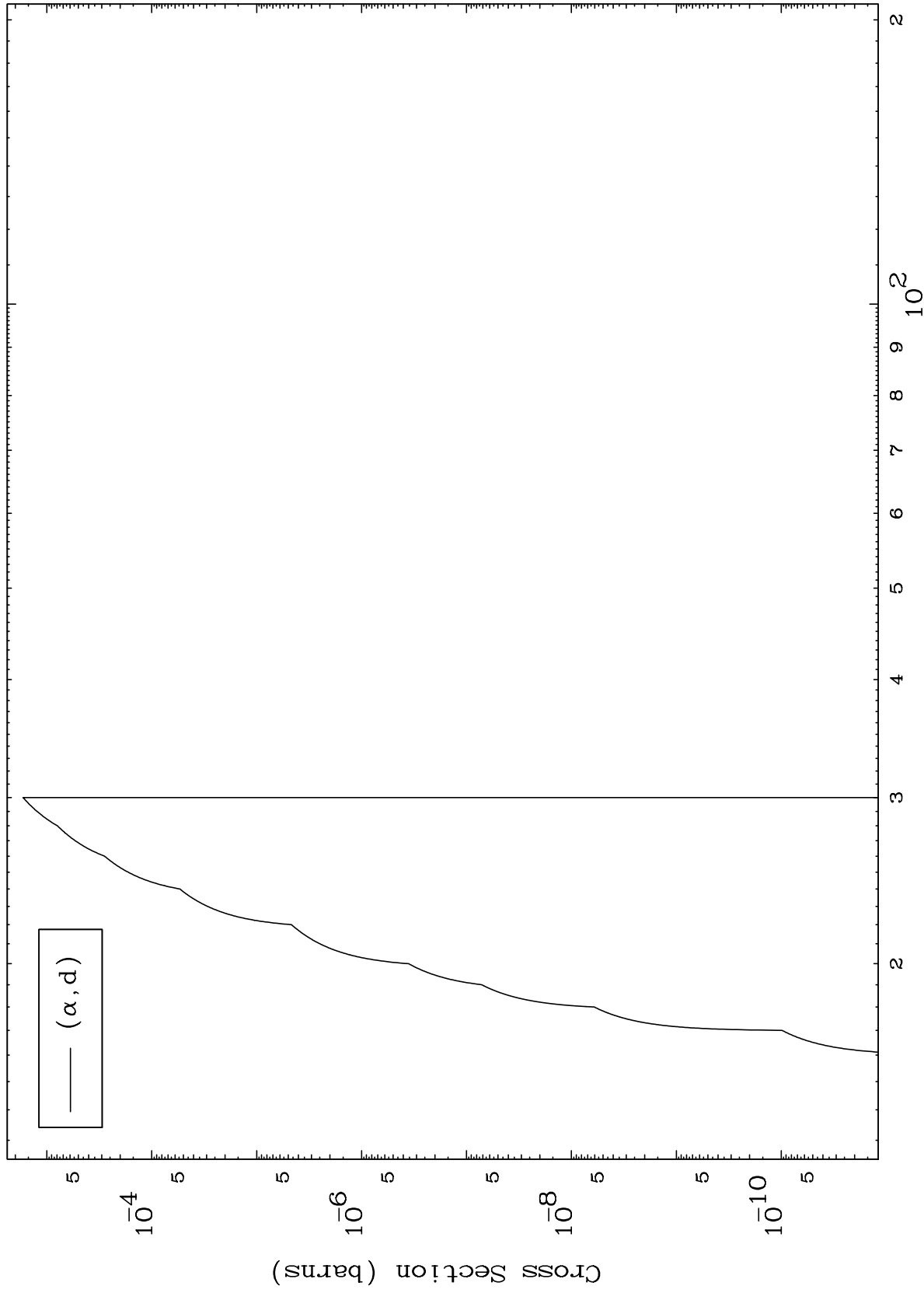
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

(α ,d) Levels
0 Kelvin Cross Sections



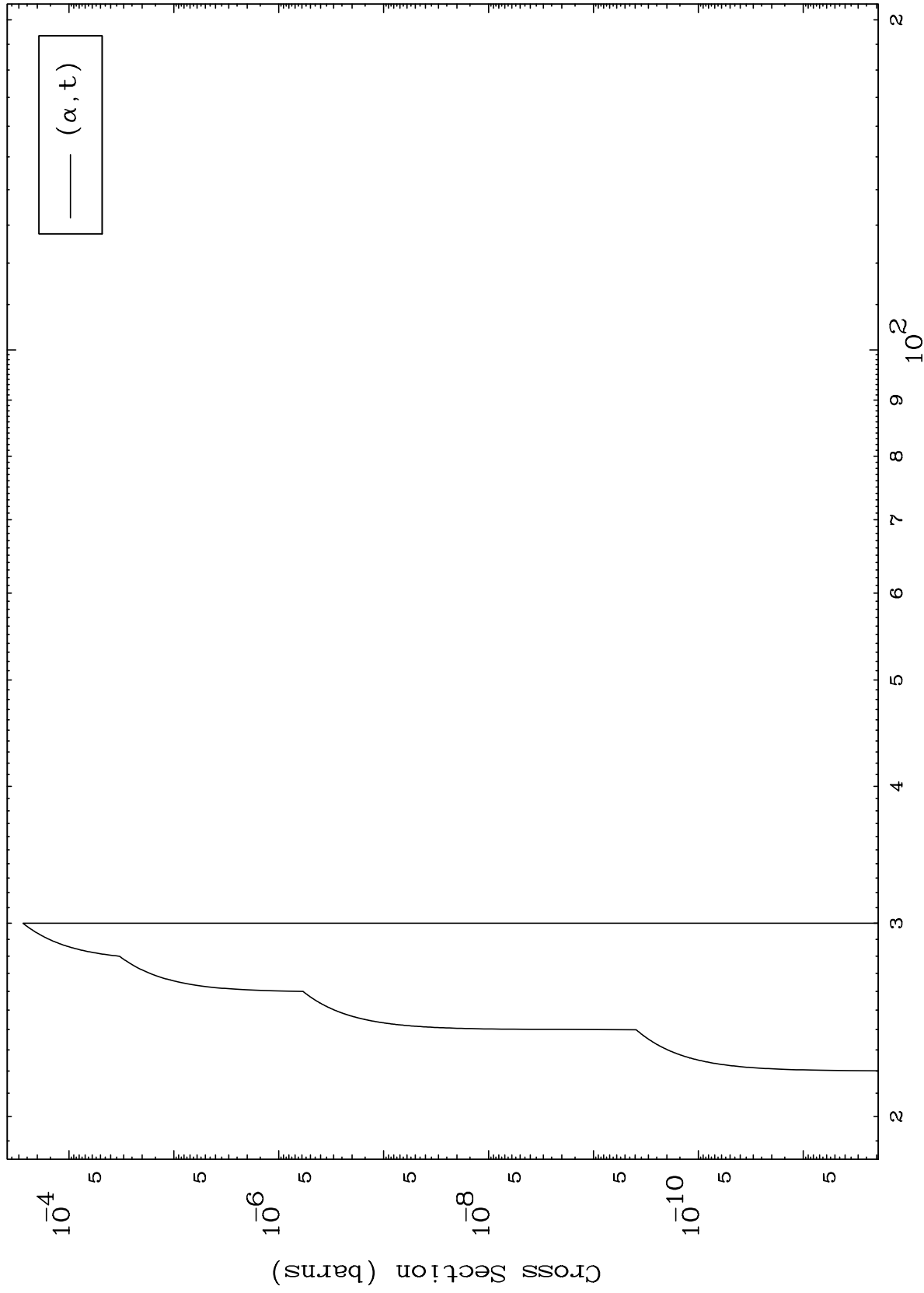
7

64-Gd-143

MAT 6398

(α ,t) Levels
0 Kelvin Cross Sections

64-Gd-143



8

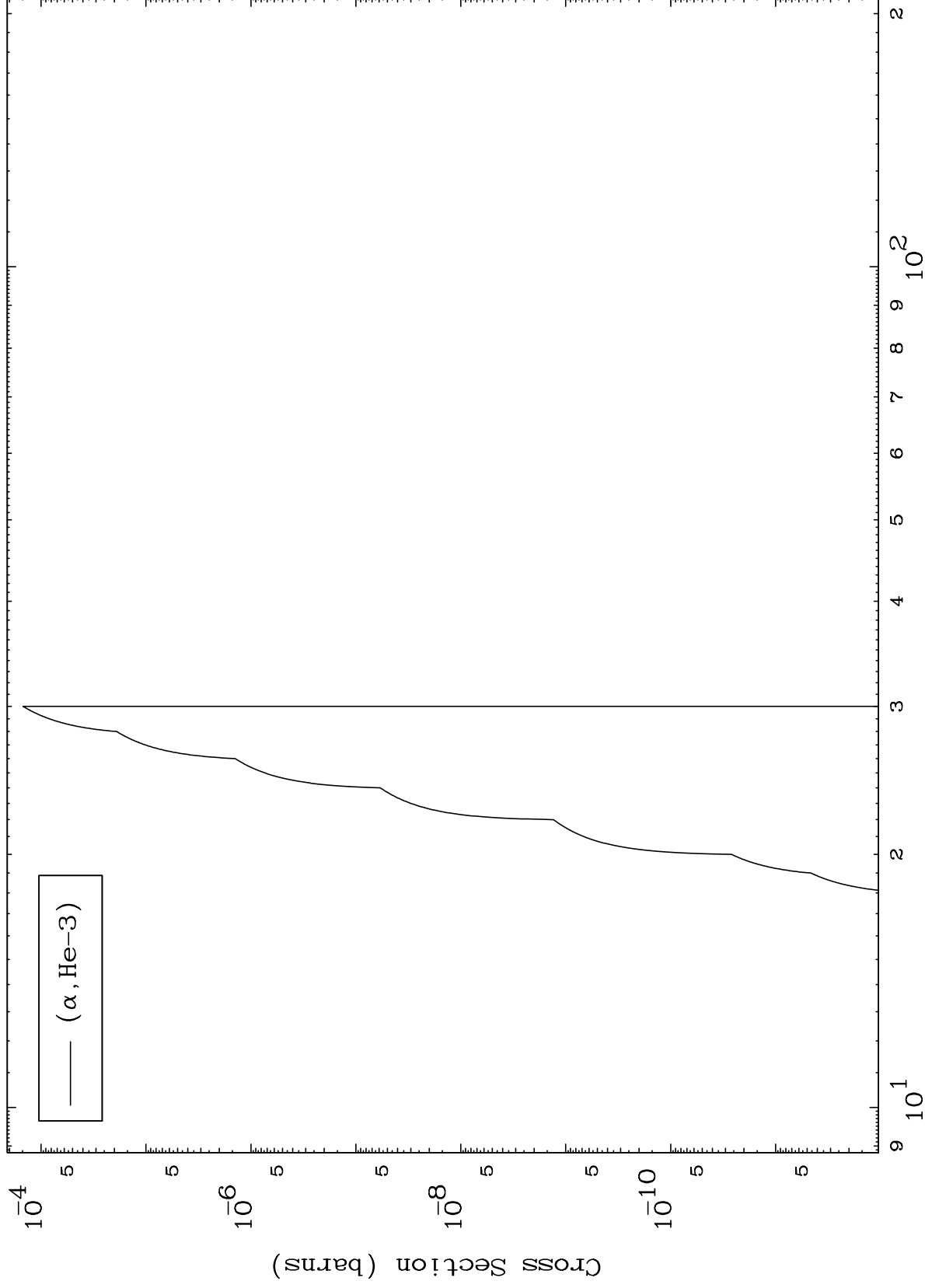
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

(α ,He3) Levels
0 Kelvin Cross Sections



9

Incident Energy (MeV)

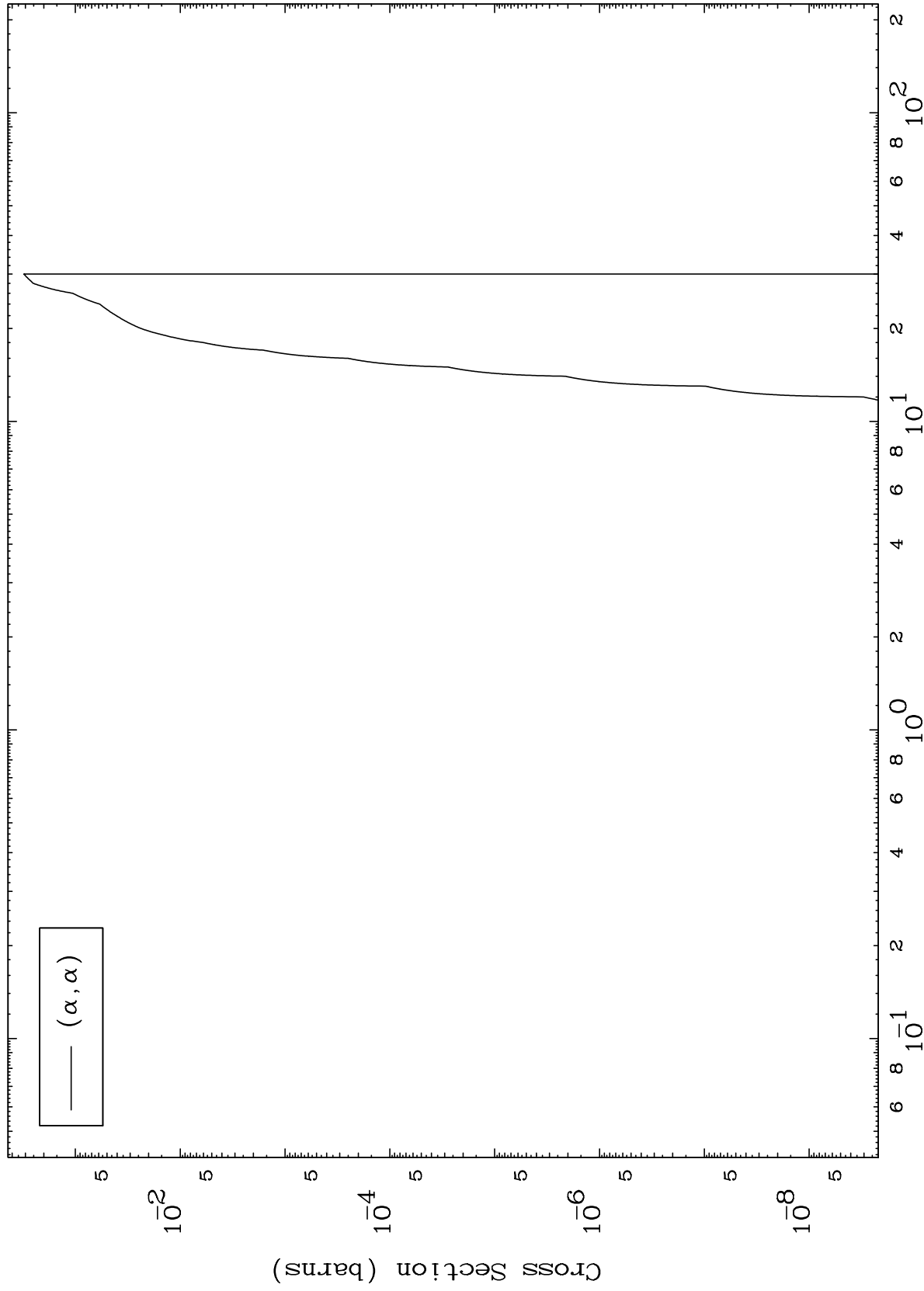
64-Gd-143

MAT 6398

(α, α) Levels

64-Gd-143

0 Kelvin Cross Sections



10

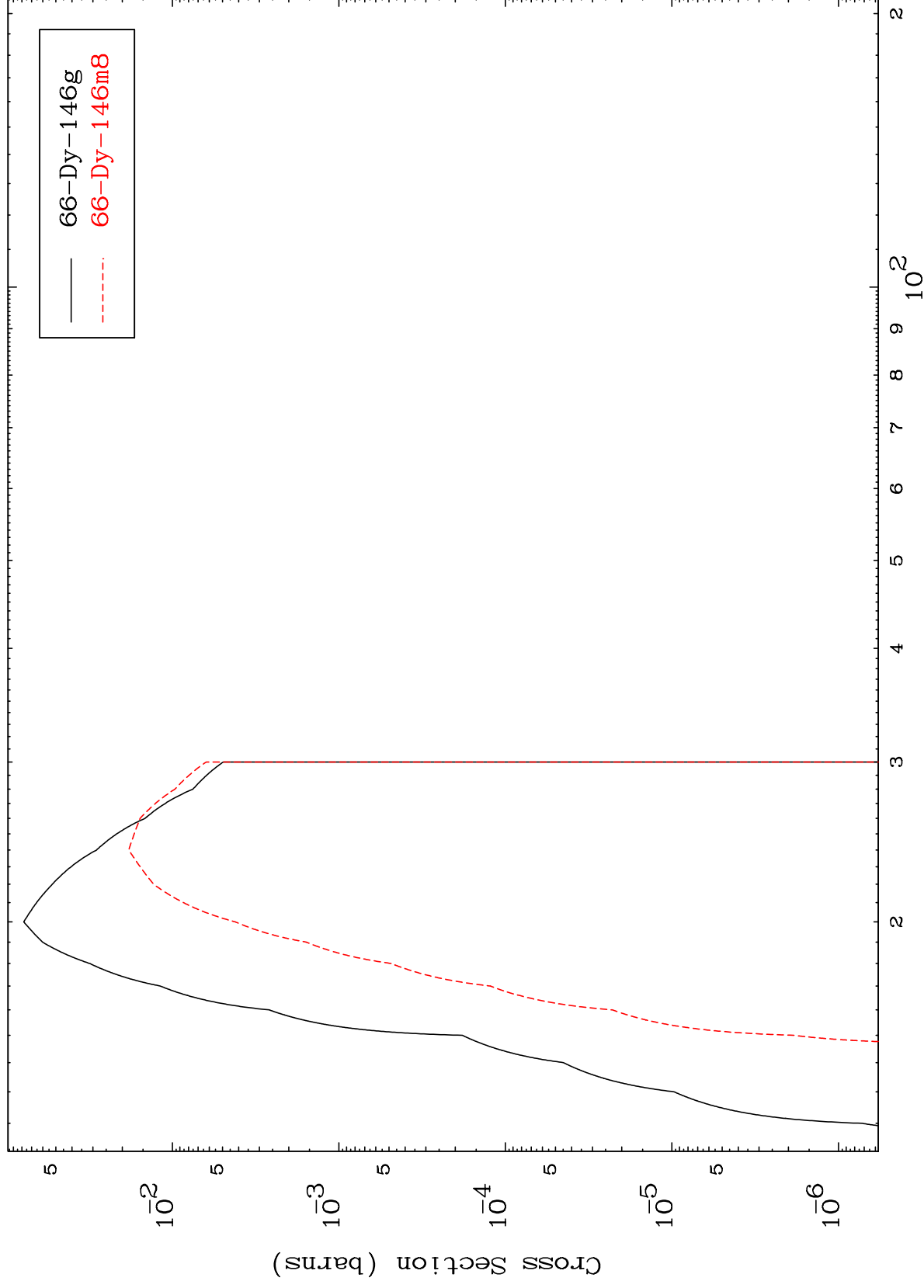
Incident Energy (MeV)

64-Gd-143

MAT 6398

α Inelastic
Radionuclide Production Cross Section

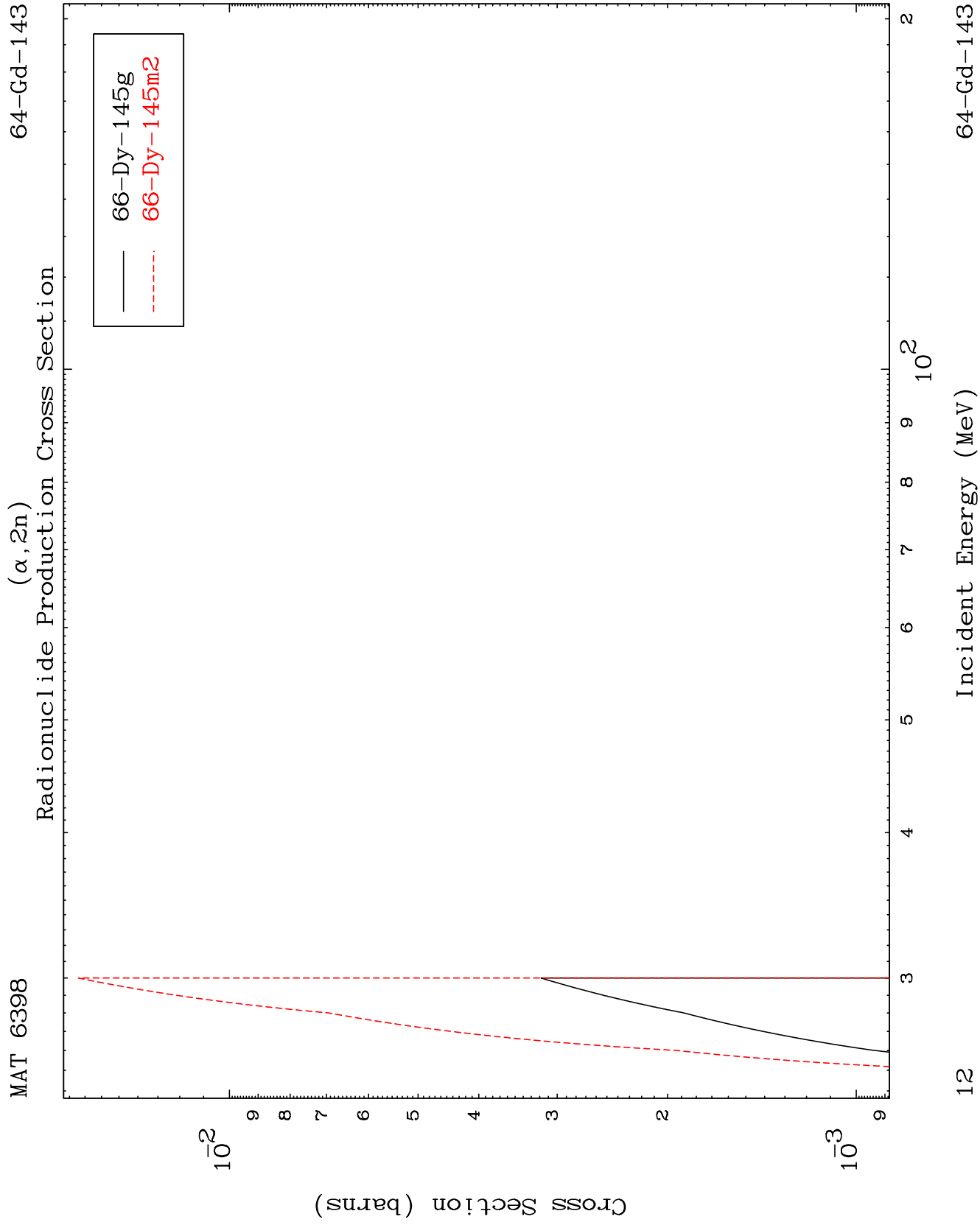
64-Gd-143



11

Incident Energy (MeV)

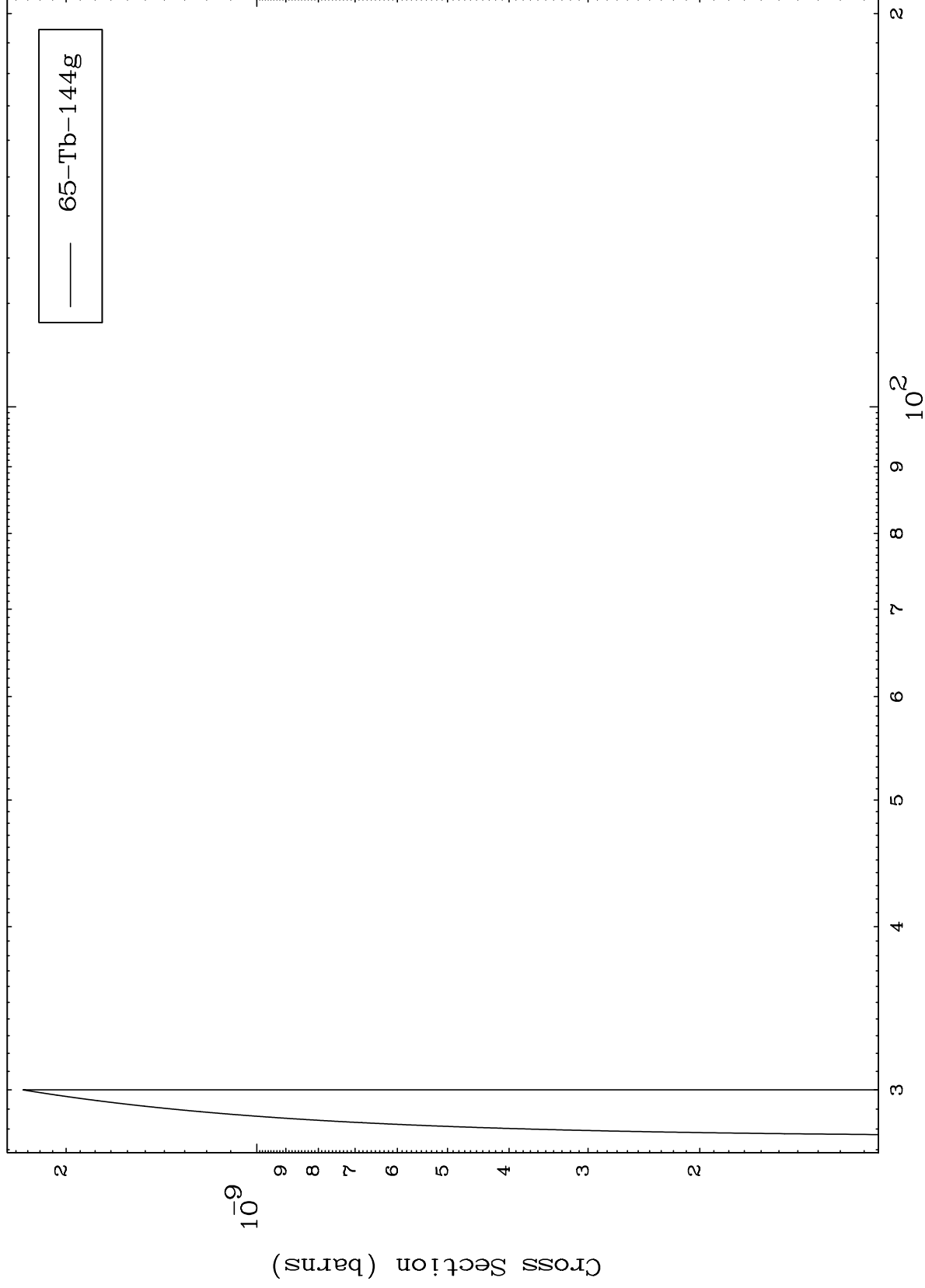
64-Gd-143



MAT 6398

64-Gd-143

$(\alpha, 2n)$ p
Radionuclide Production Cross Section



13

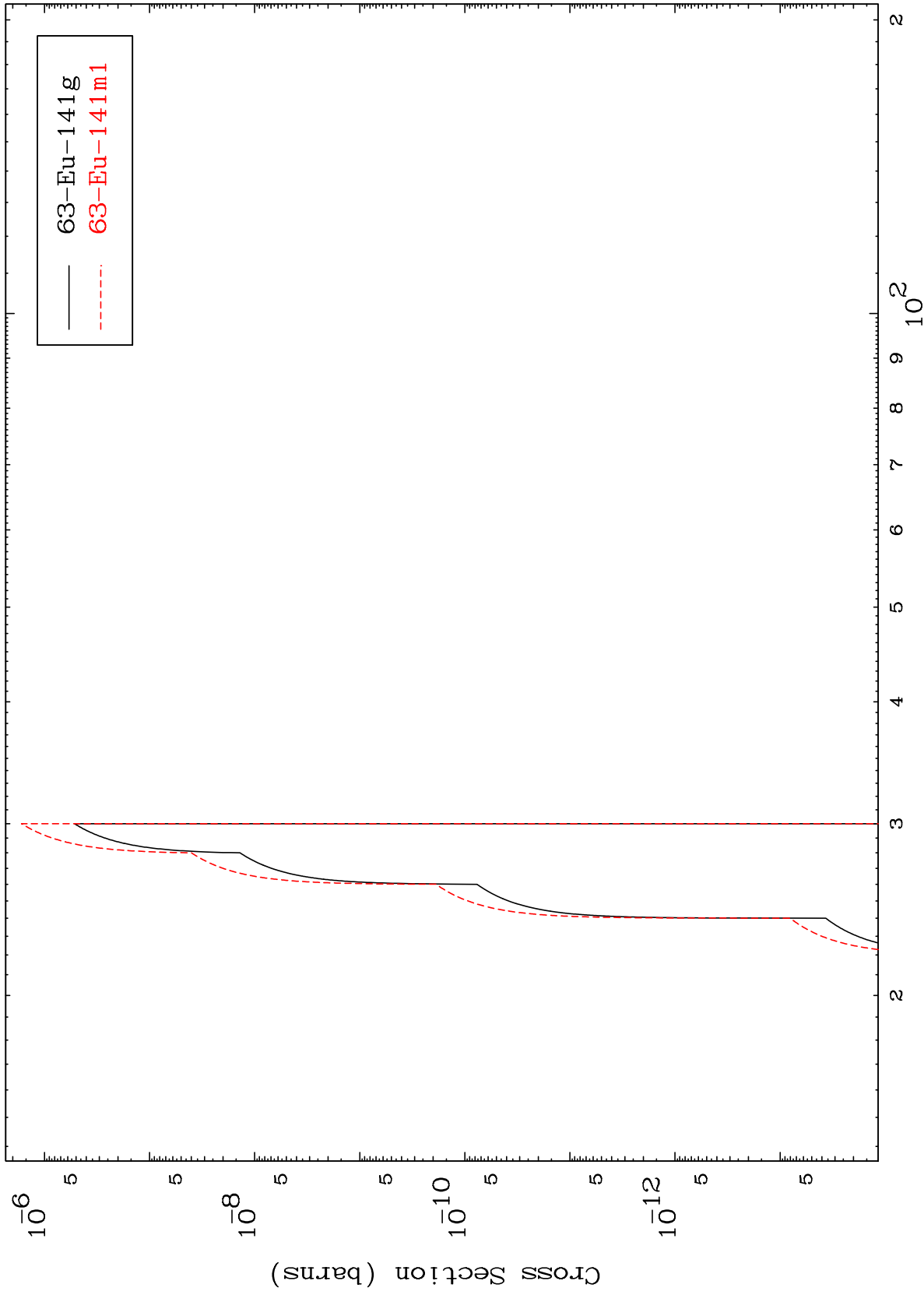
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

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



14

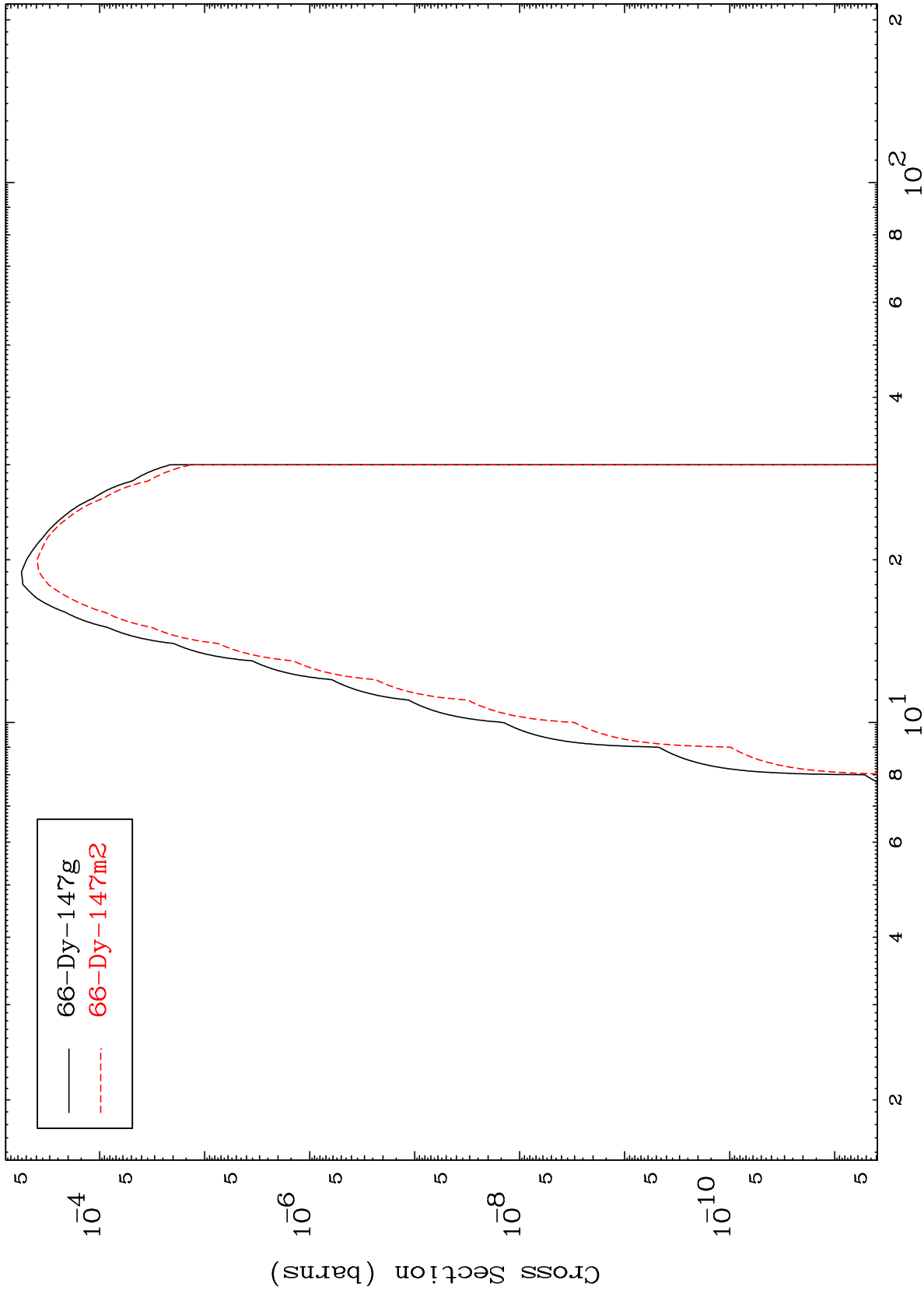
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

Radionuclide Production Cross Section
(α, γ)



15

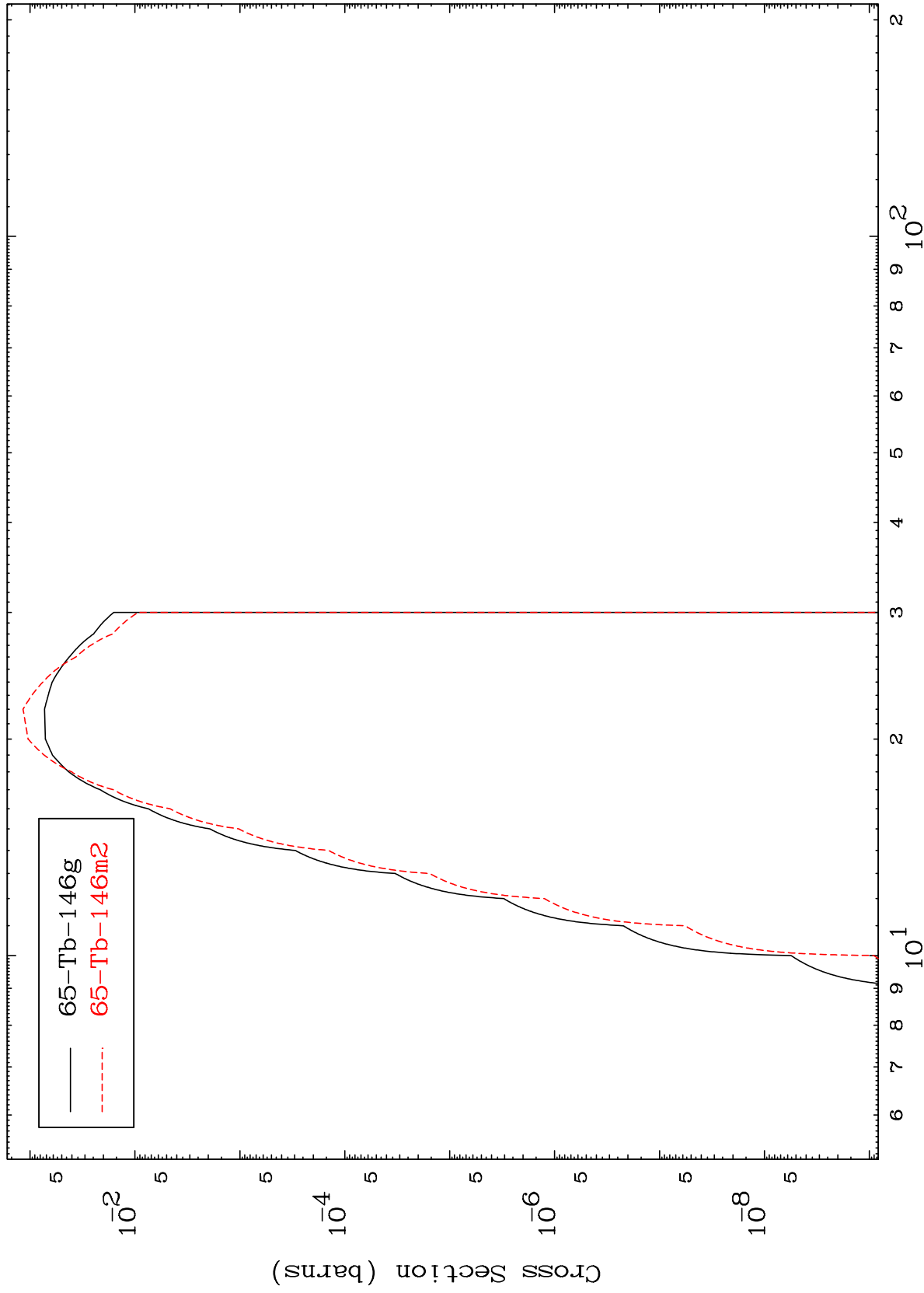
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

(α, p)
Radionuclide Production Cross Section



16

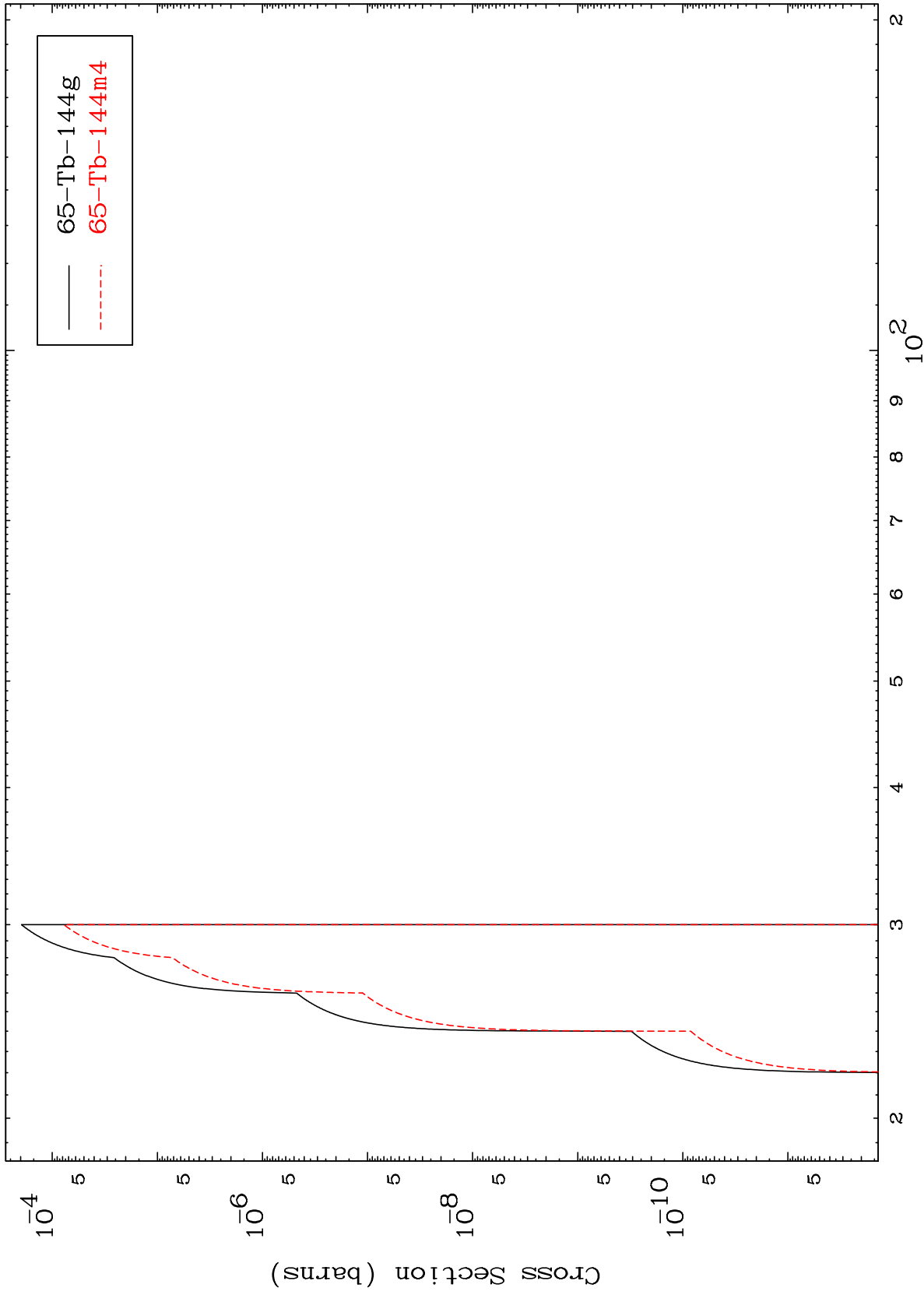
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

(α, t)
Radionuclide Production Cross Section



17

Incident Energy (MeV)

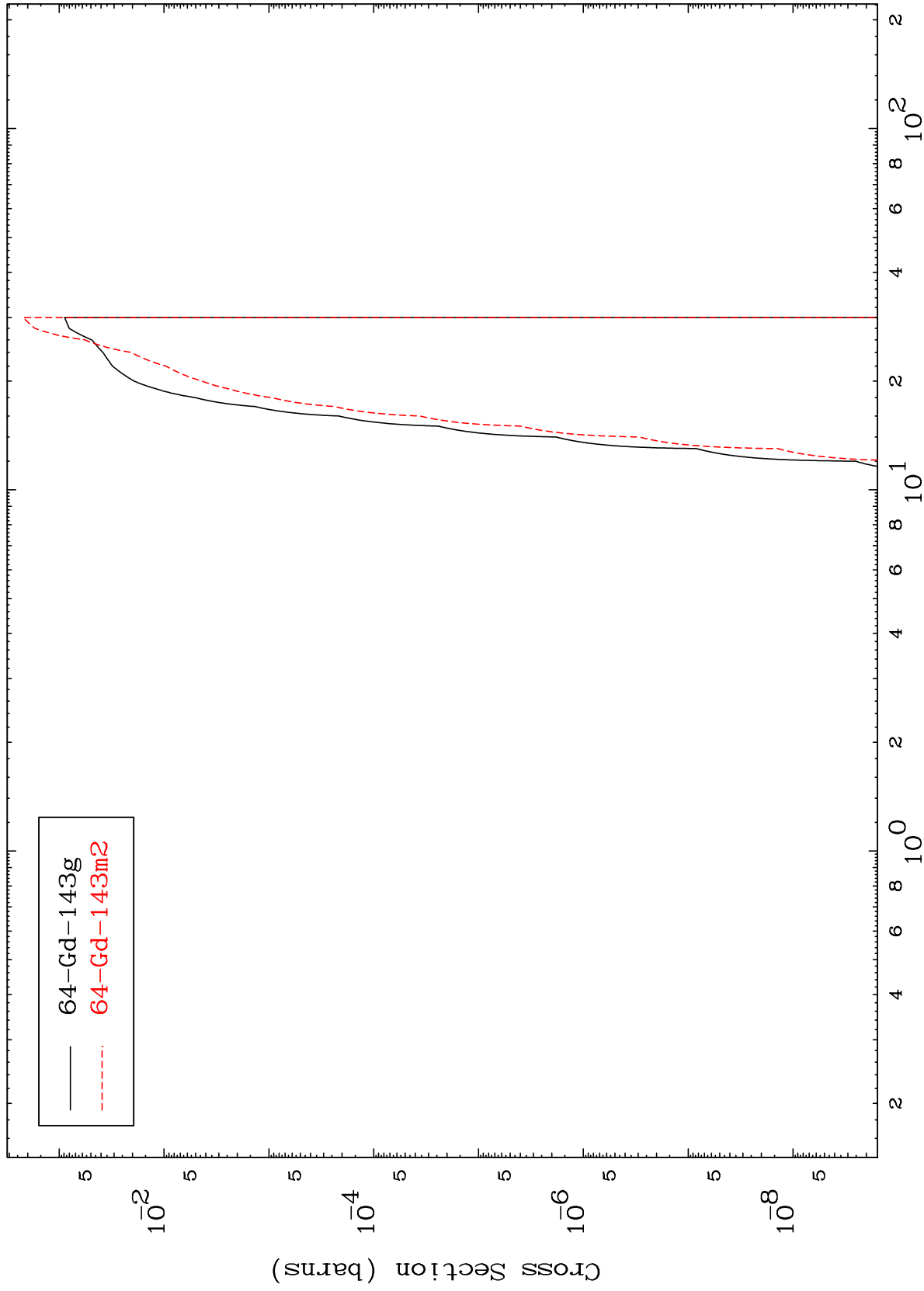
64-Gd-143

MAT 6398

(α, α)

64-Gd-143

Radionuclide Production Cross Section



18

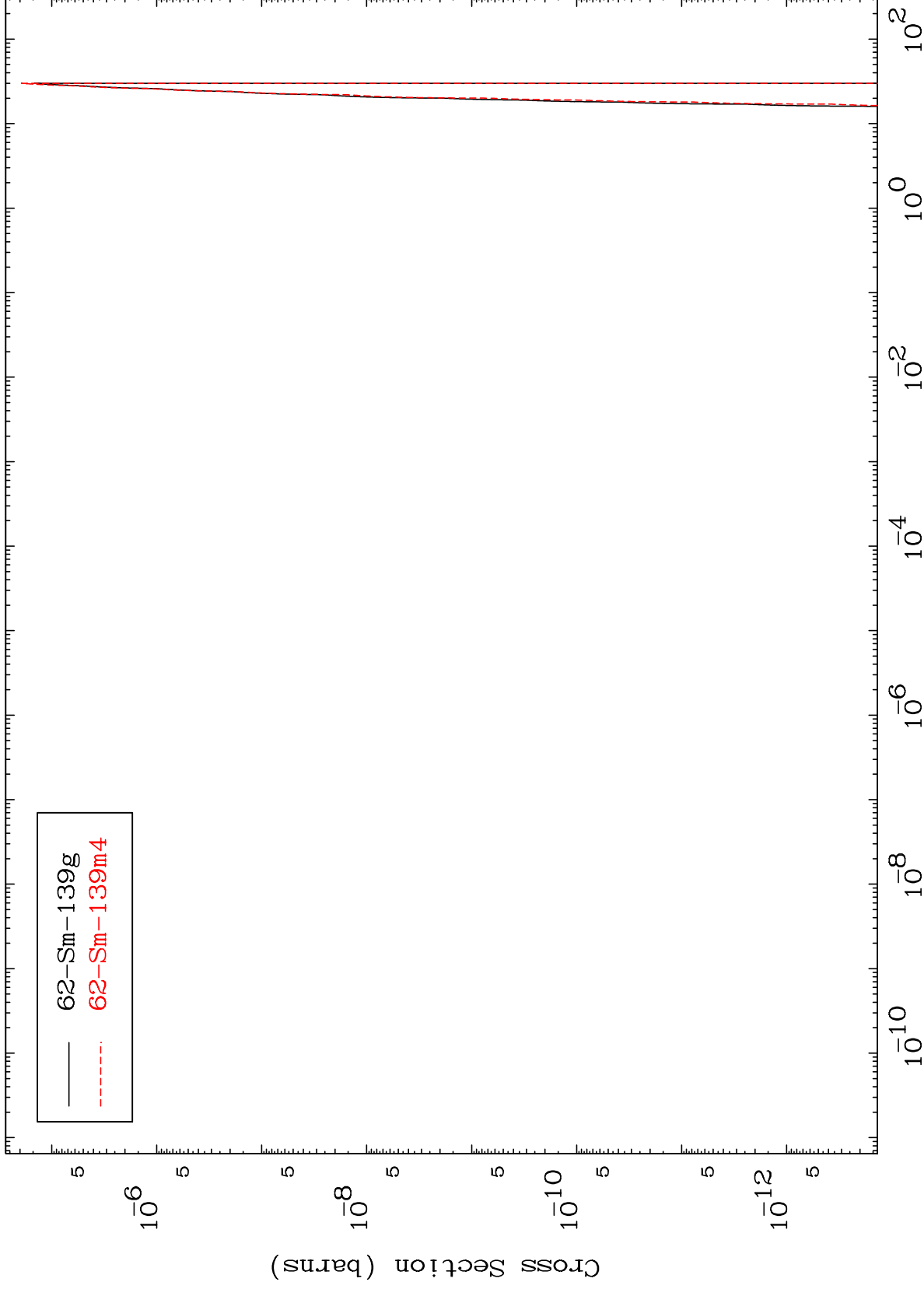
Incident Energy (MeV)

64-Gd-143

MAT 6398

Radionuclide Production Cross Section
($\alpha, 2\alpha$)

64-Gd-143



19

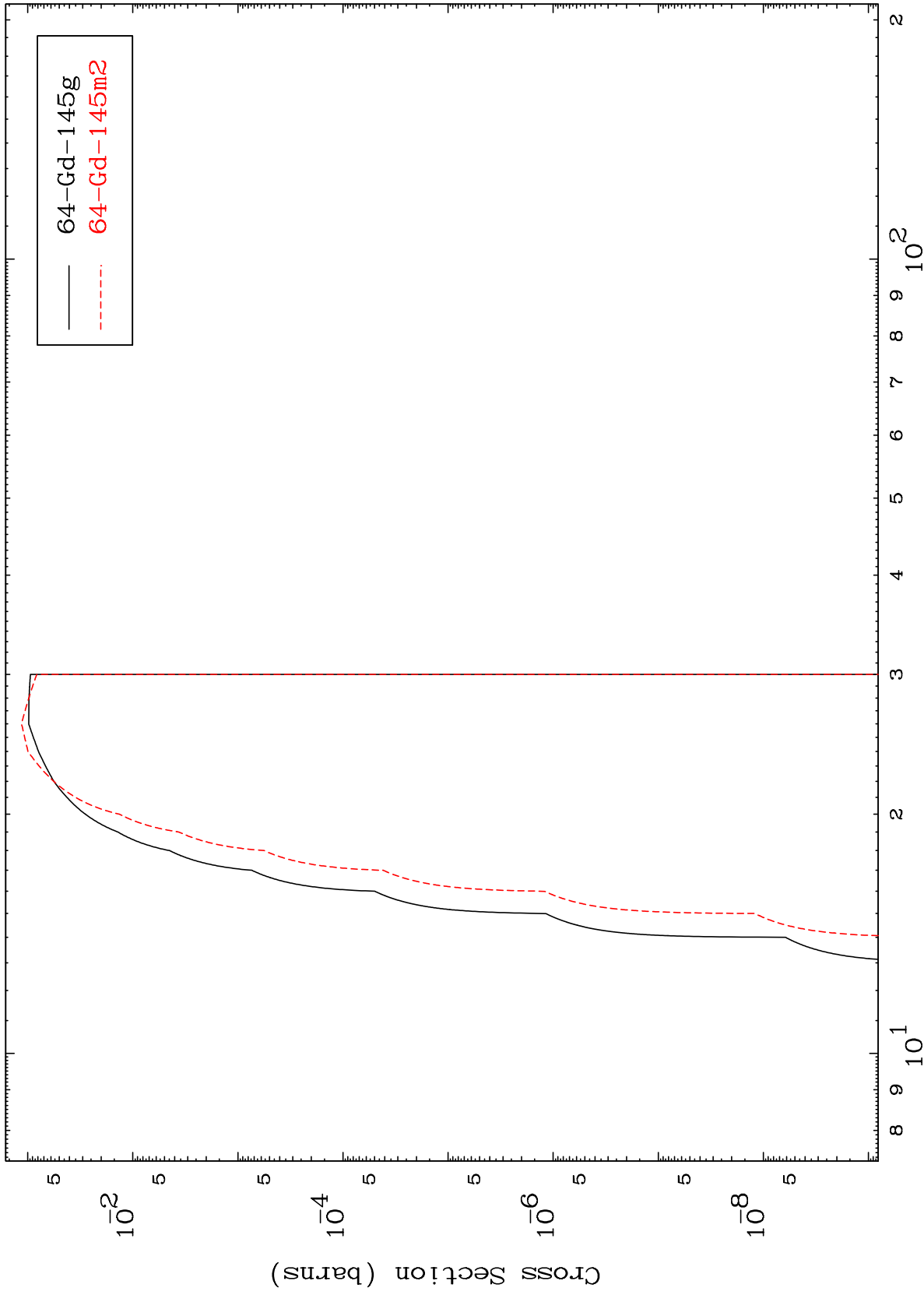
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

$(\alpha, 2p)$
Radionuclide Production Cross Section



20

Incident Energy (MeV)

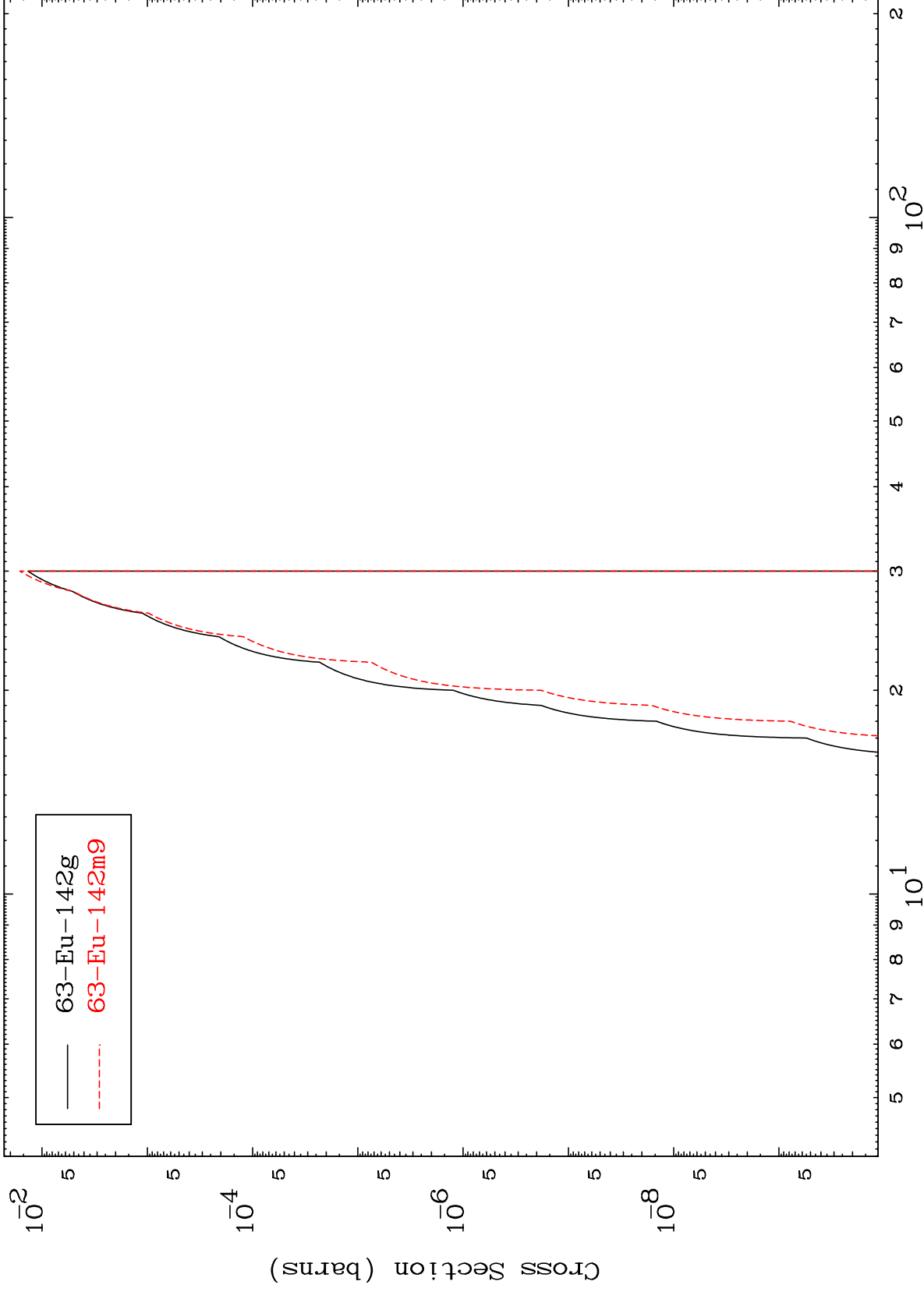
64-Gd-143

MAT 6398

(α ,p) α

64-Gd-143

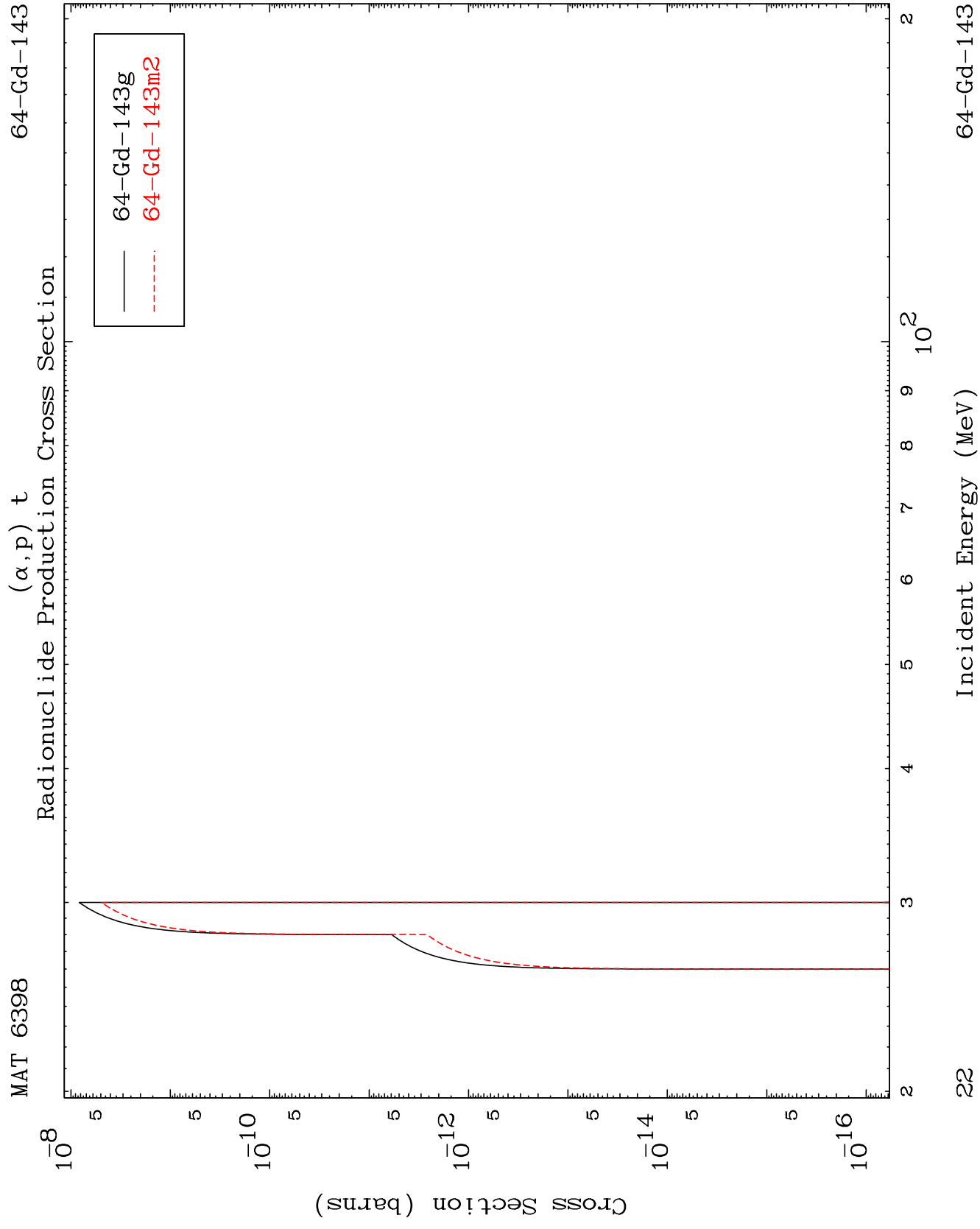
Radionuclide Production Cross Section



21

Incident Energy (MeV)

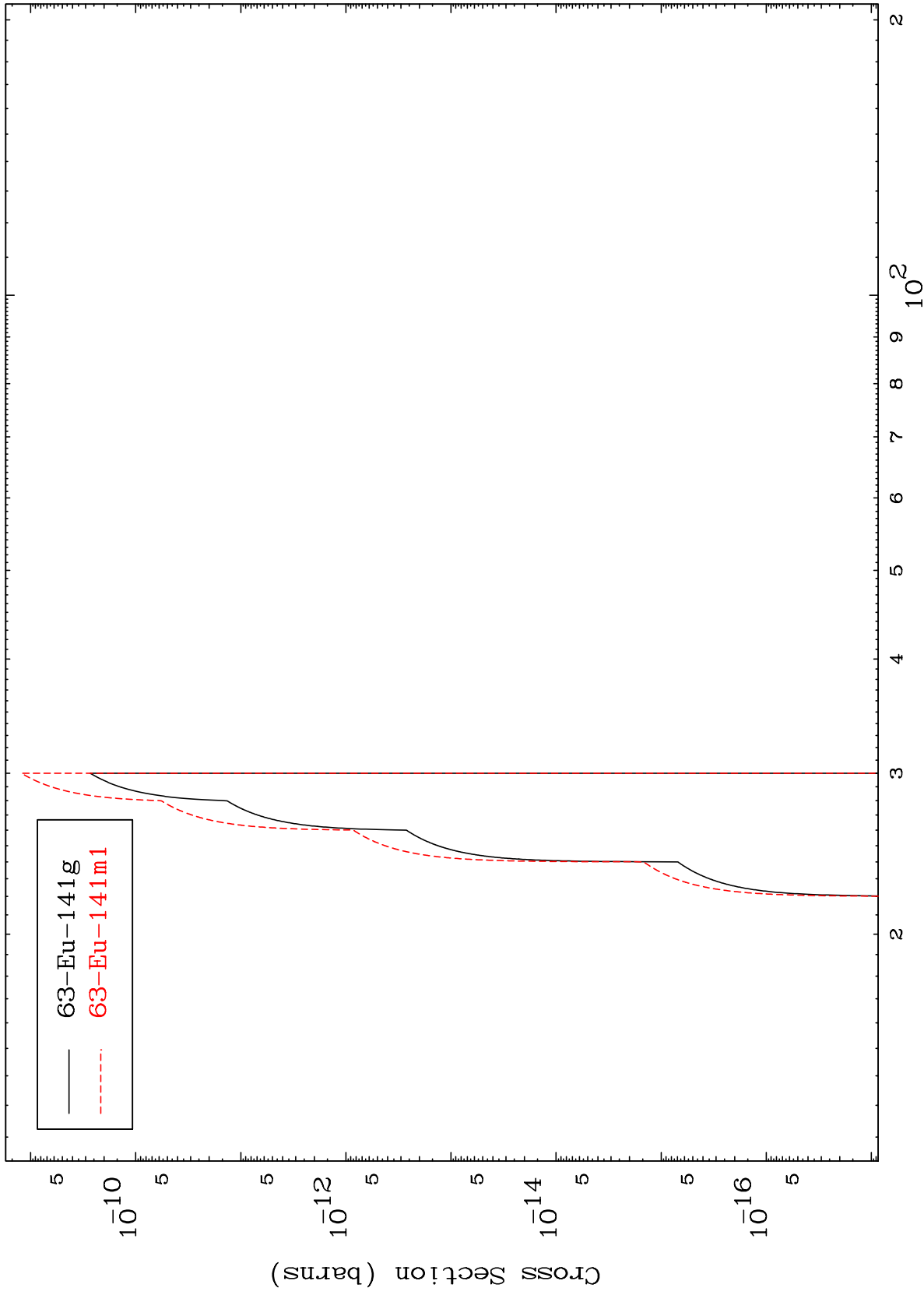
64-Gd-143



MAT 6398

64-Gd-143

(α ,d) α
Radionuclide Production Cross Section



23

Incident Energy (MeV)

64-Gd-143