

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

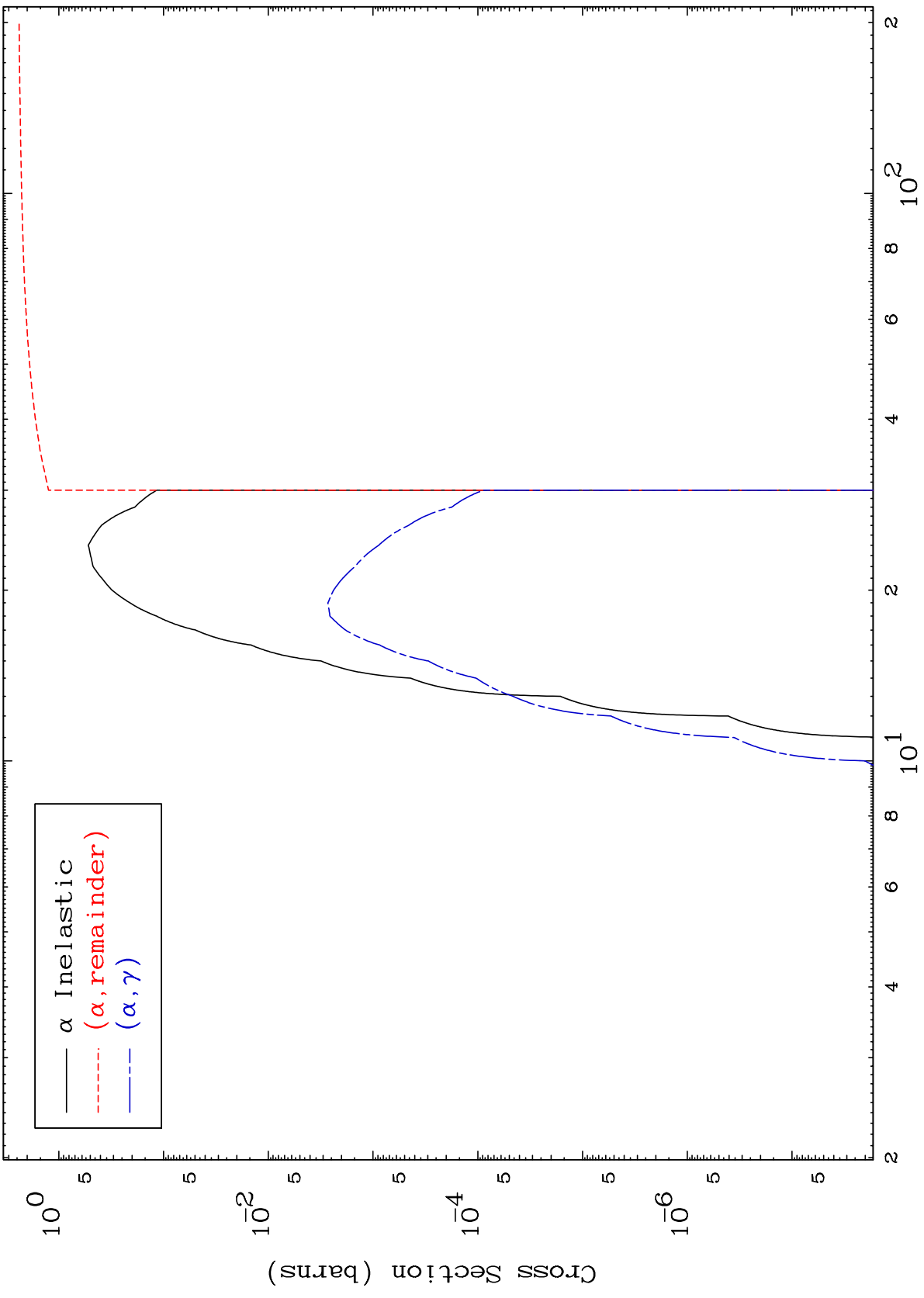
Press Mouse Button to Start

MAT 6405

α Major

64-Gd-145

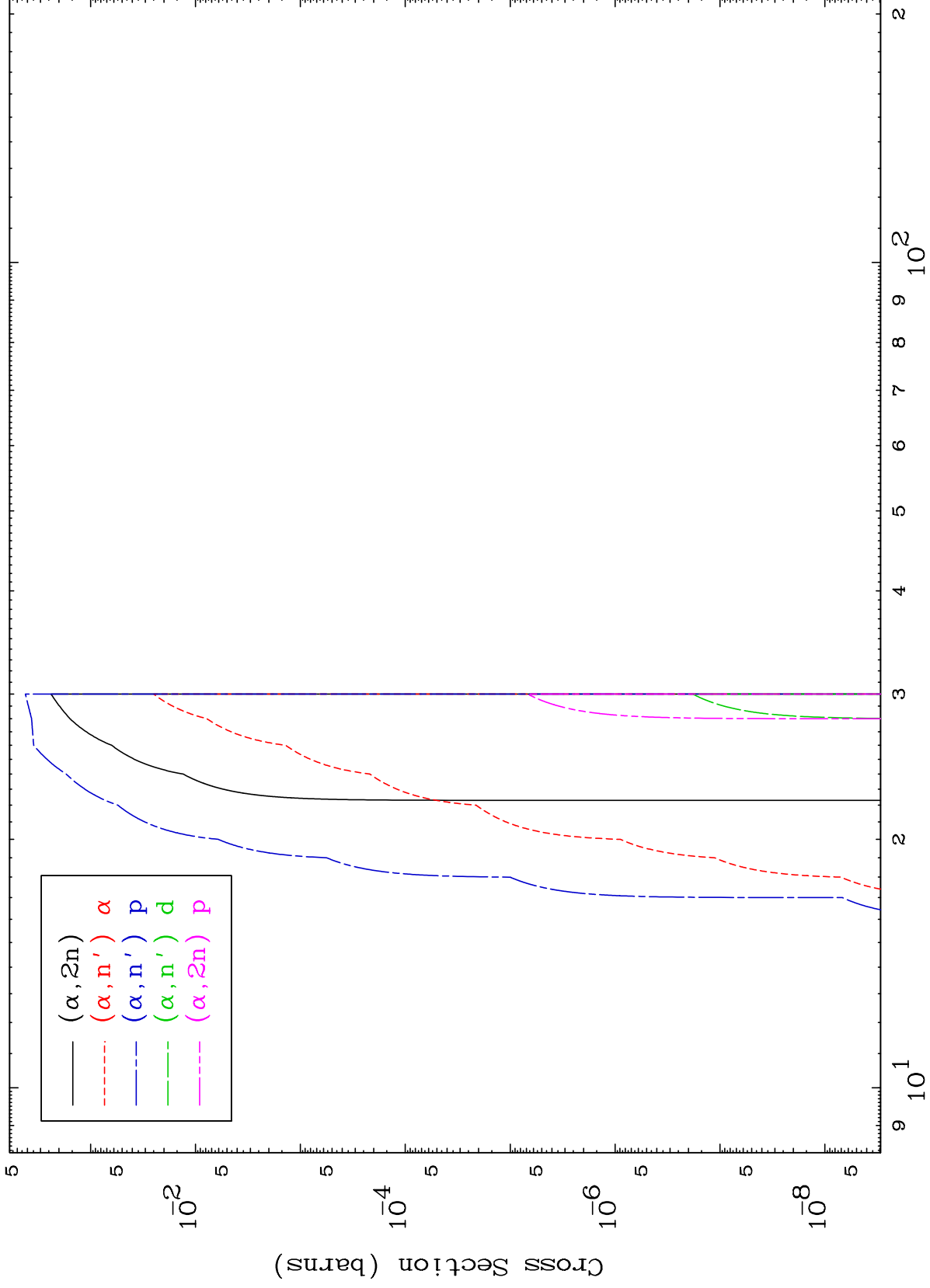
0 Kelvin Cross Sections



MAT 6405

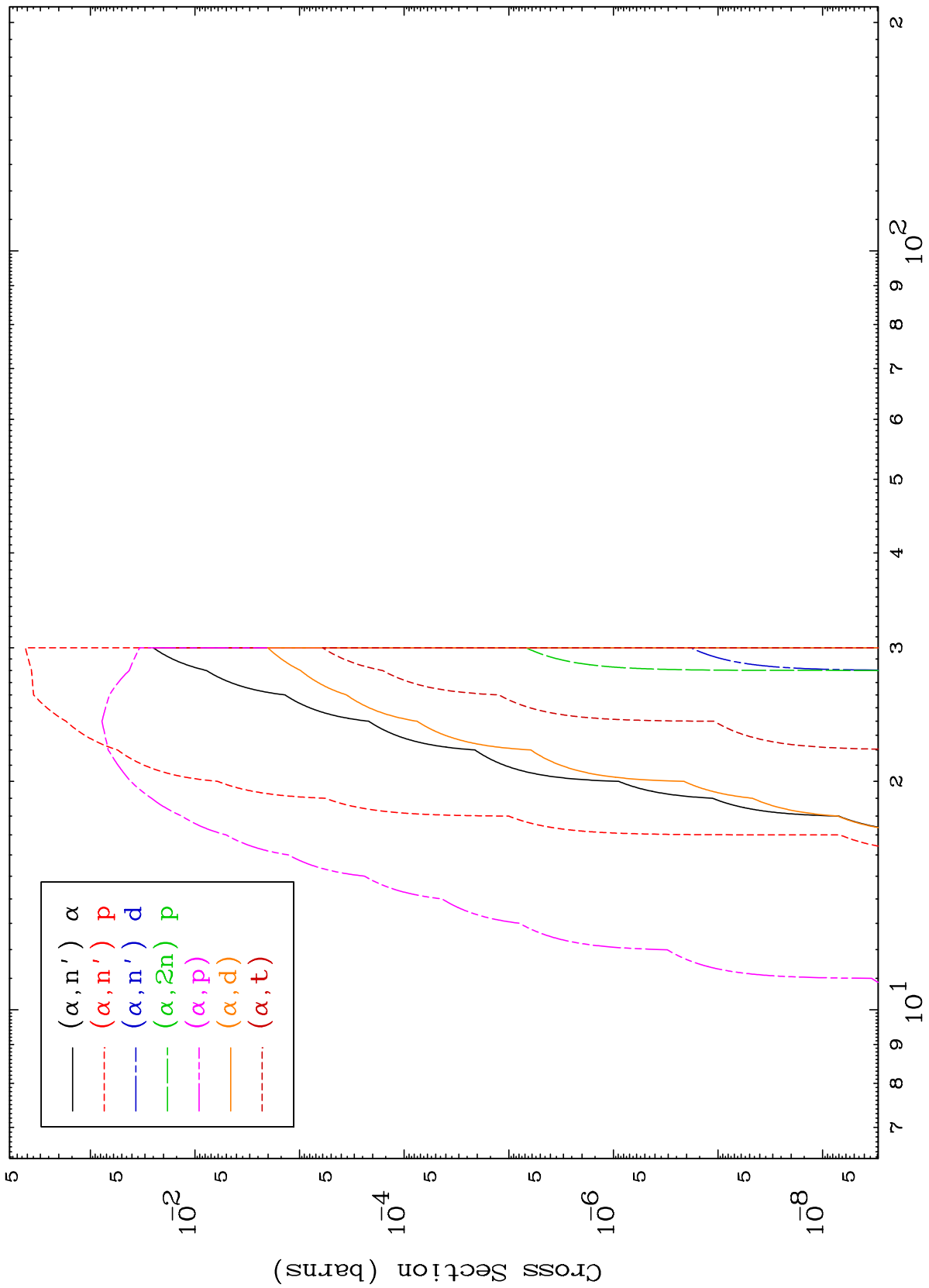
α Neutron Production
0 Kelvin Cross Sections

64-Gd-145



Incident Energy (MeV)

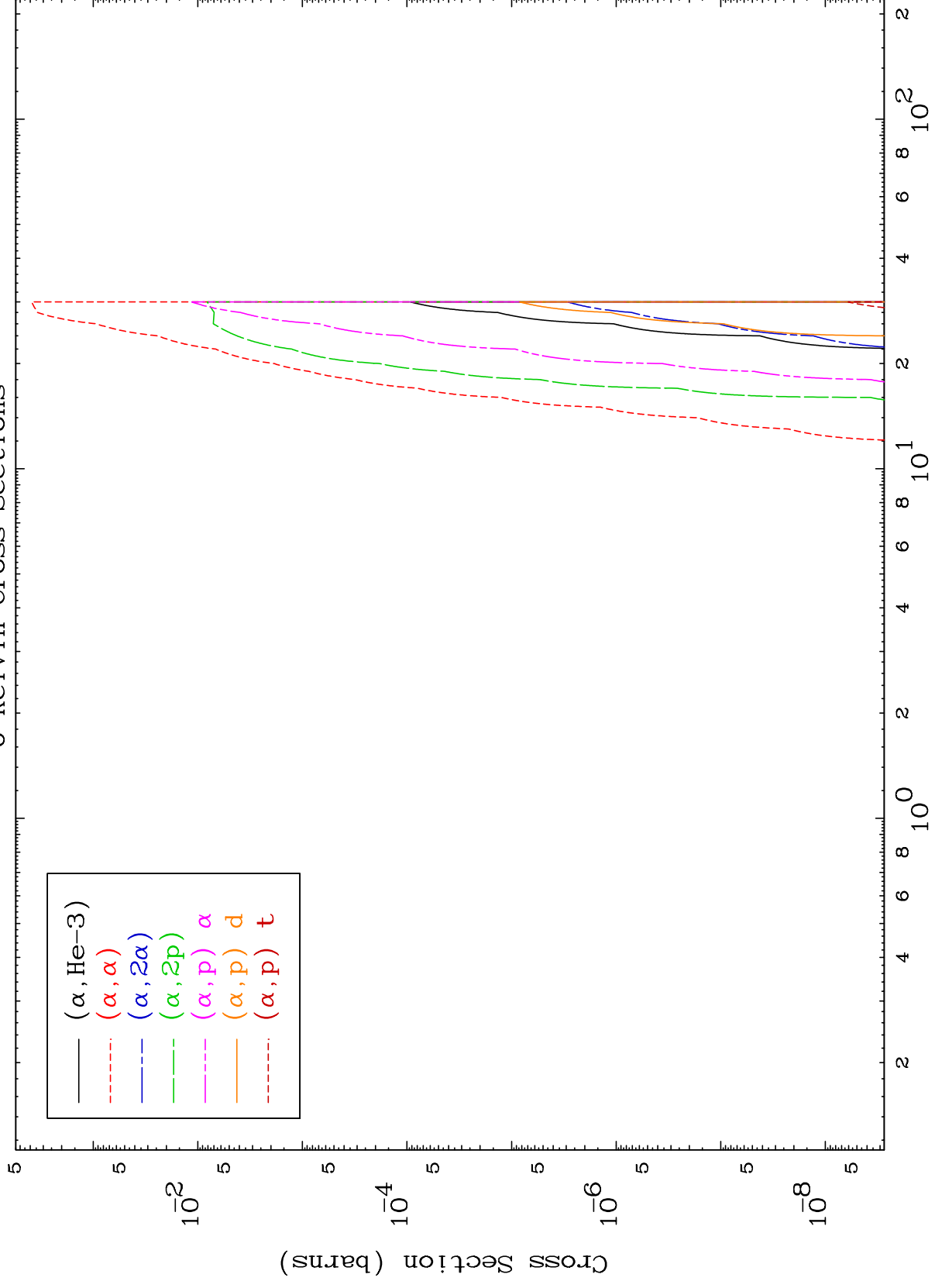
64-Gd-145



MAT 6405

α Charged Particle
0 Kelvin Cross Sections

64-Gd-145

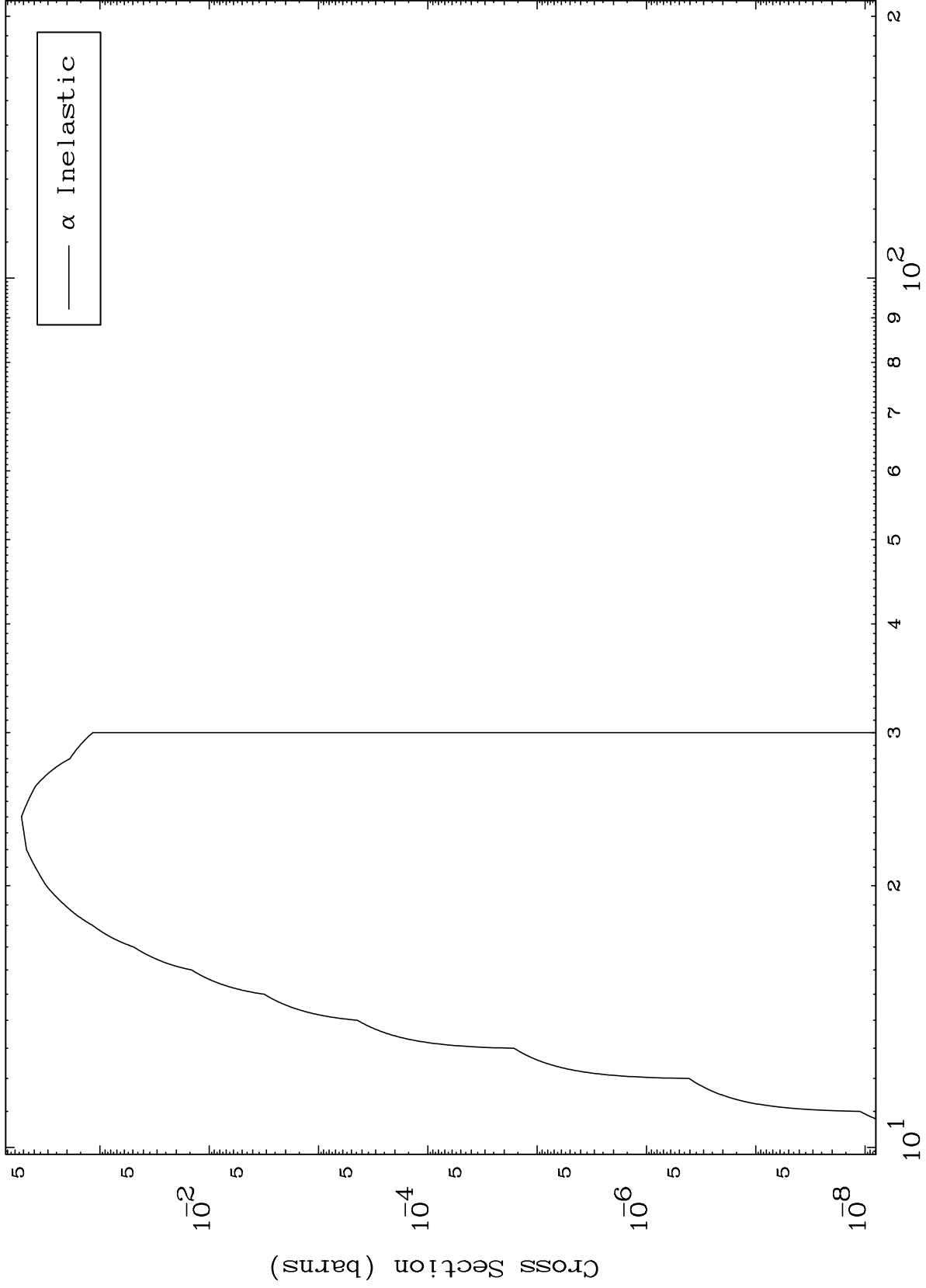


MAT 6405

(α, n') Level

64-Gd-145

0 Kelvin Cross Sections



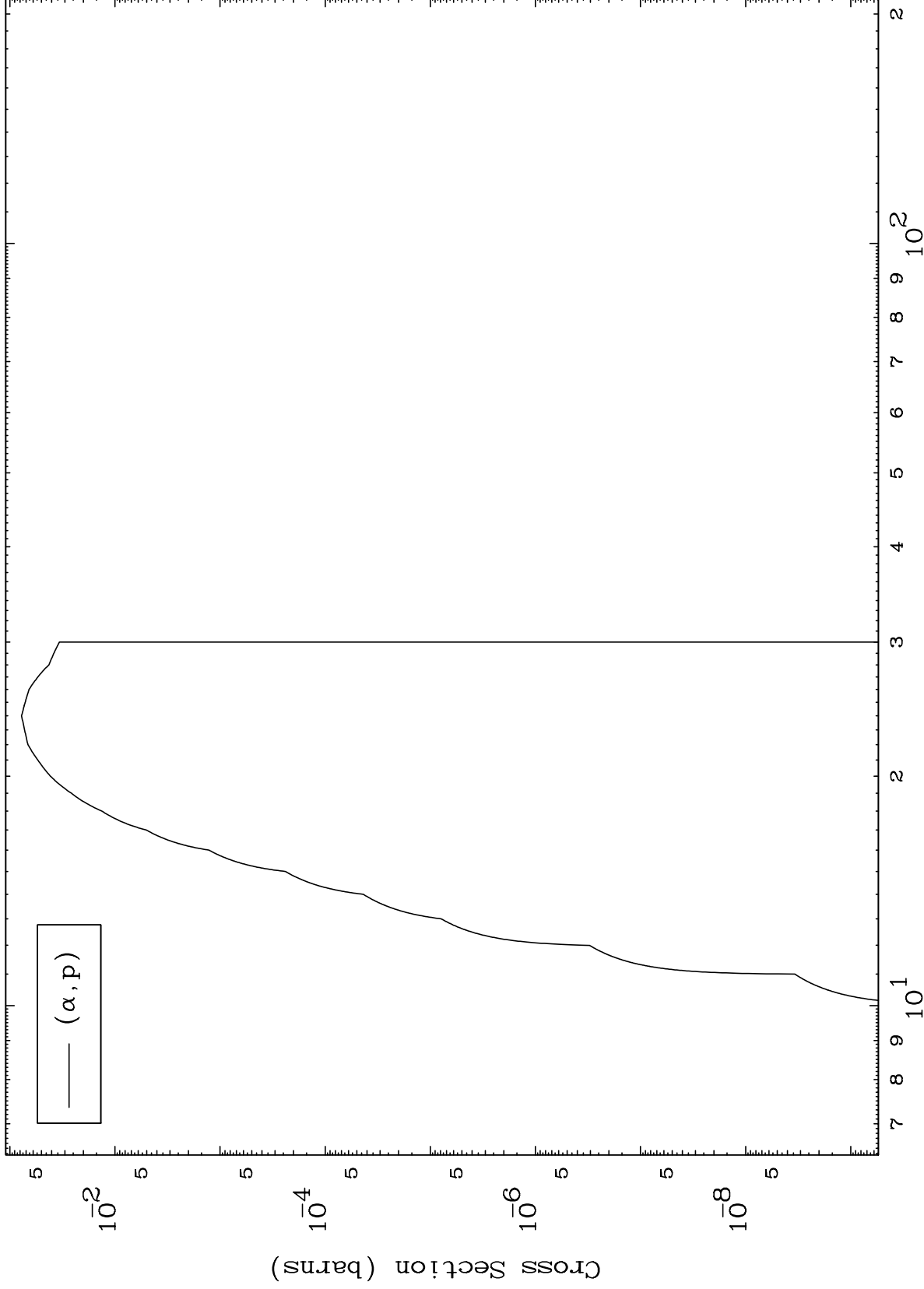
Incident Energy (MeV)

64-Gd-145

MAT 6405

(α, p) Levels
0 Kelvin Cross Sections

64-Gd-145



6

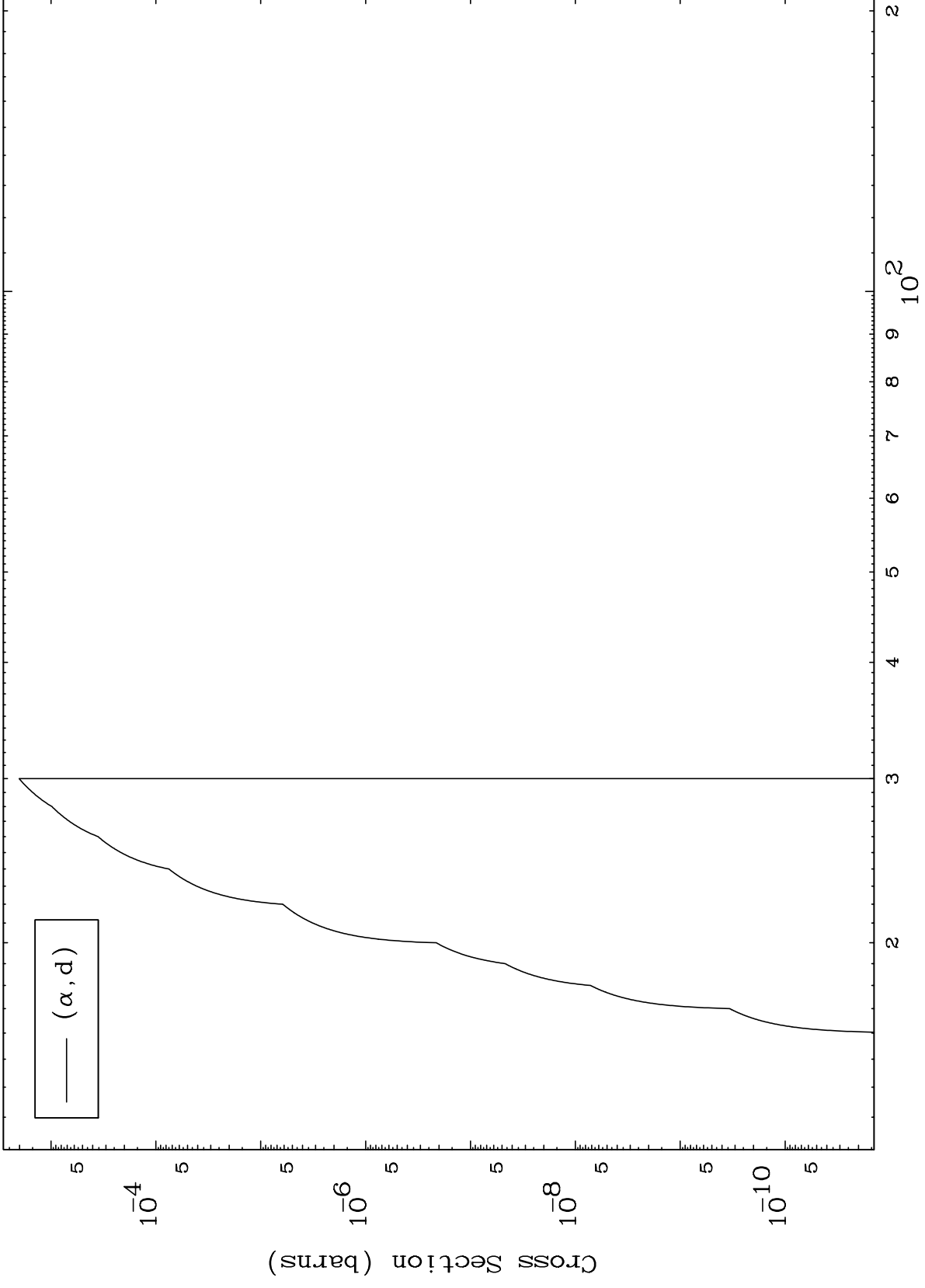
Incident Energy (MeV)

64-Gd-145

MAT 6405

(α, d) Levels
0 Kelvin Cross Sections

64-Gd-145



7

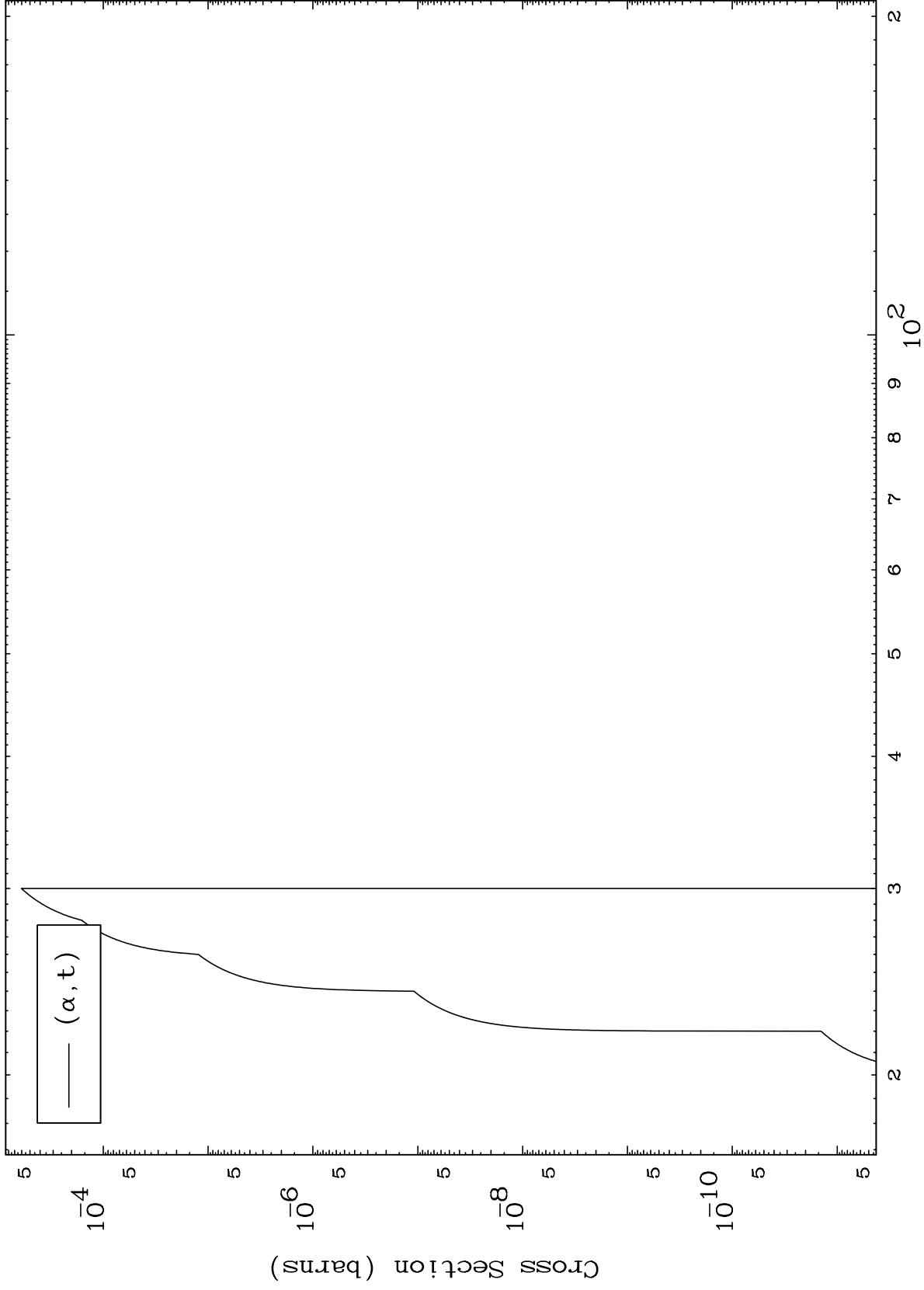
Incident Energy (MeV)

64-Gd-145

MAT 6405

(α, t) Levels
0 Kelvin Cross Sections

64-Gd-145



8

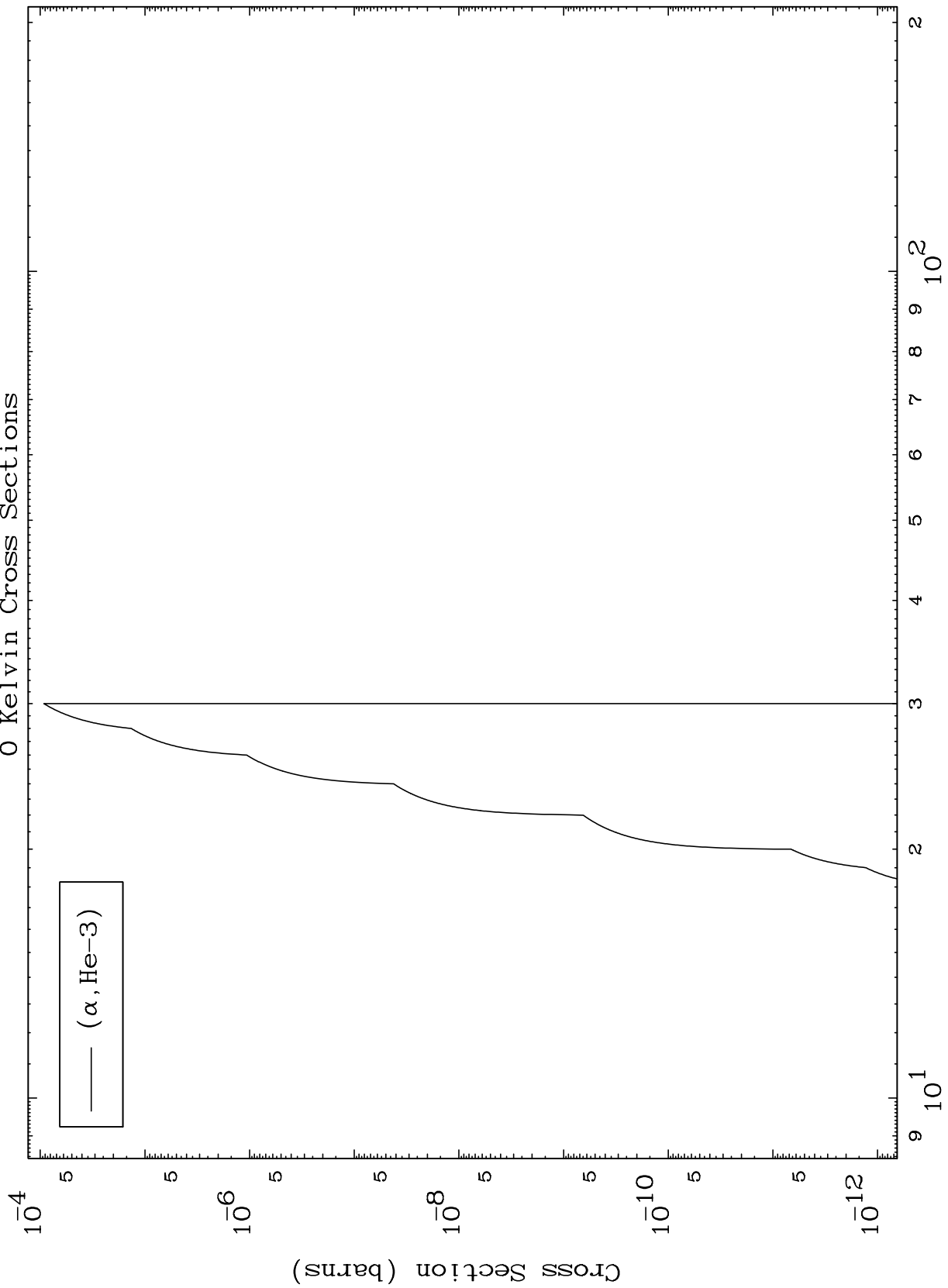
Incident Energy (MeV)

64-Gd-145

MAT 6405

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

64-Gd-145



9

Incident Energy (MeV)

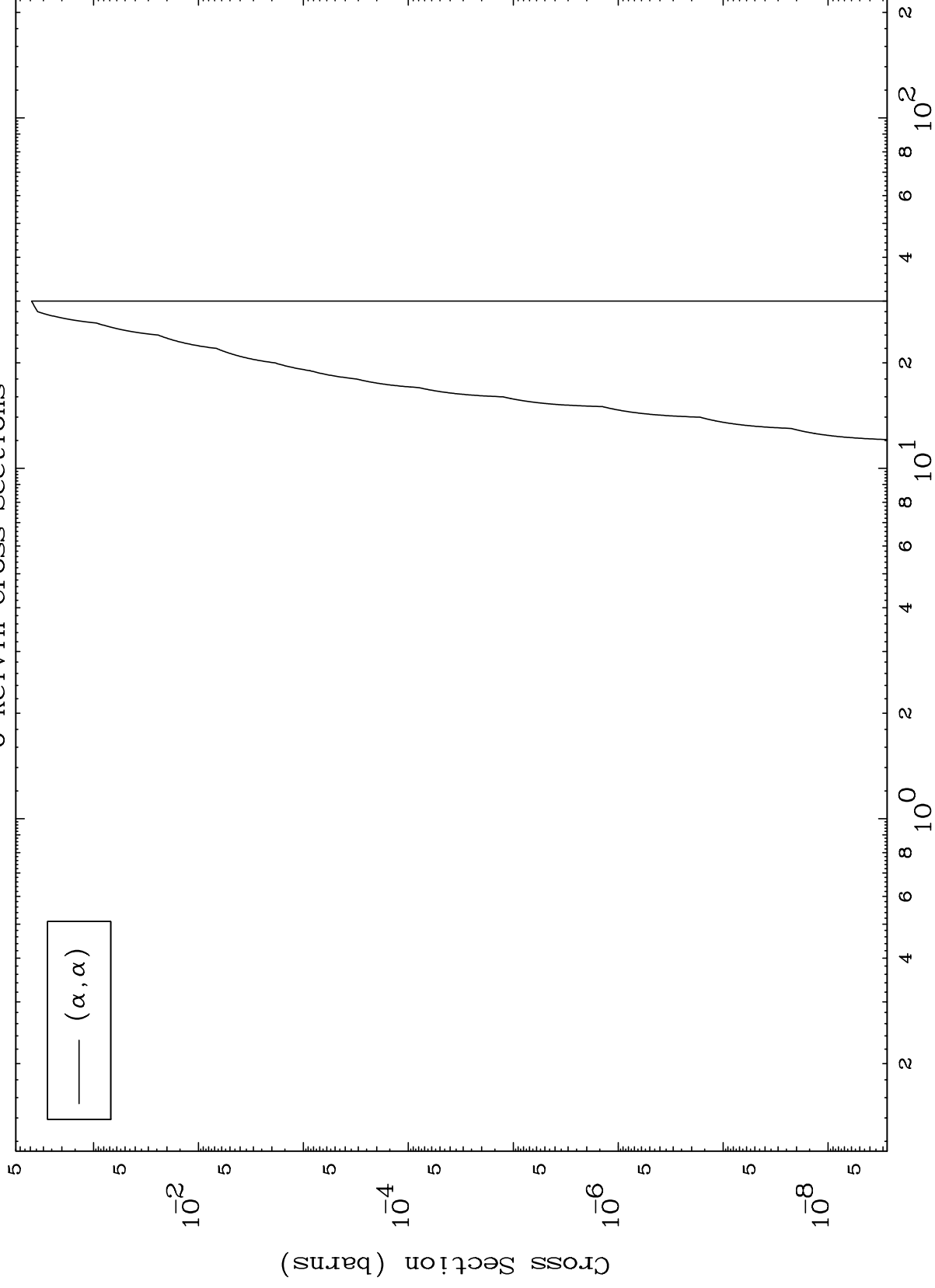
64-Gd-145

MAT 6405

(α, α) Levels

64-Gd-145

0 Kelvin Cross Sections



10

Incident Energy (MeV)

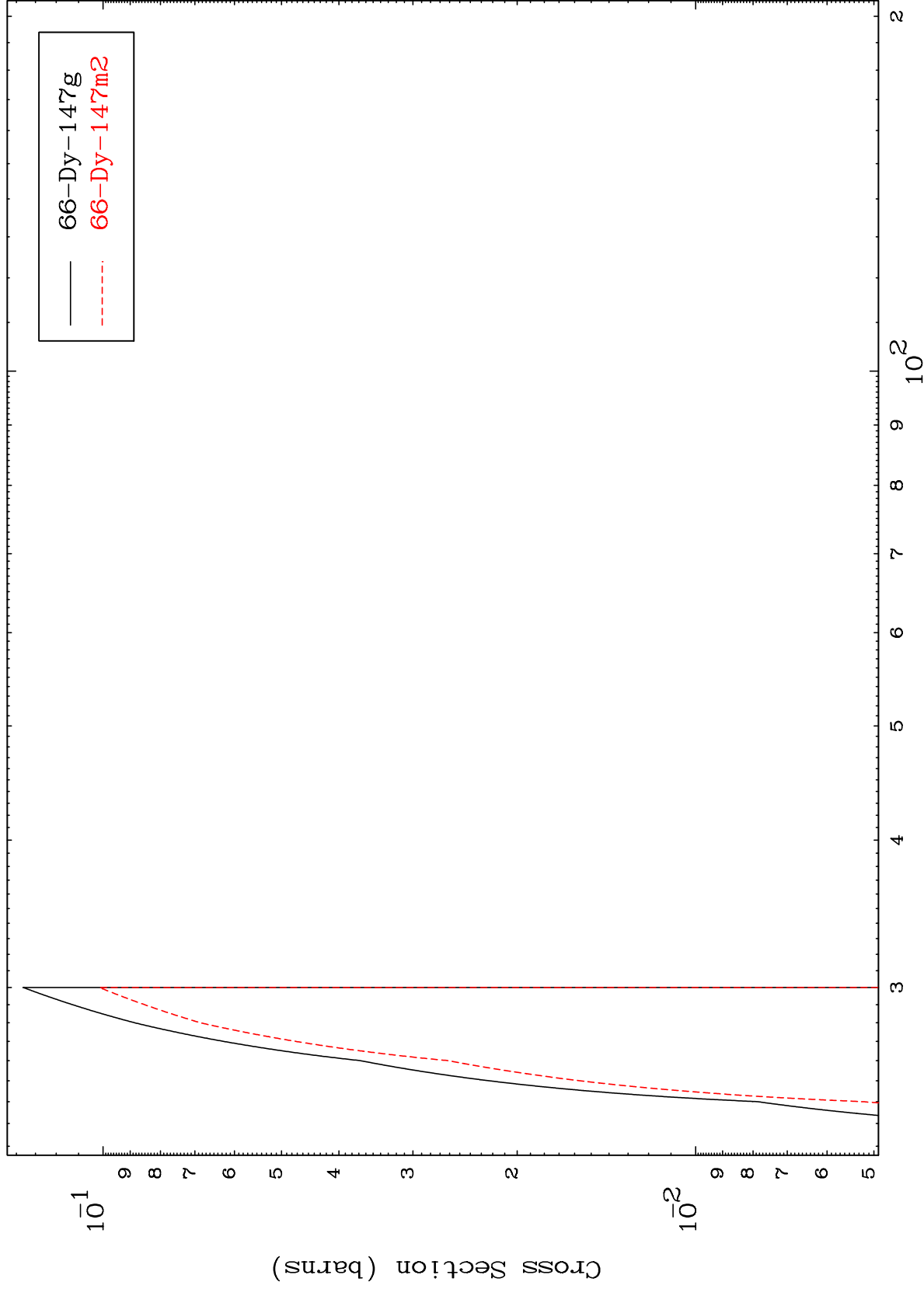
64-Gd-145

MAT 6405

($\alpha, 2n$)

64-Gd-145

Radionuclide Production Cross Section



11

Incident Energy (MeV)

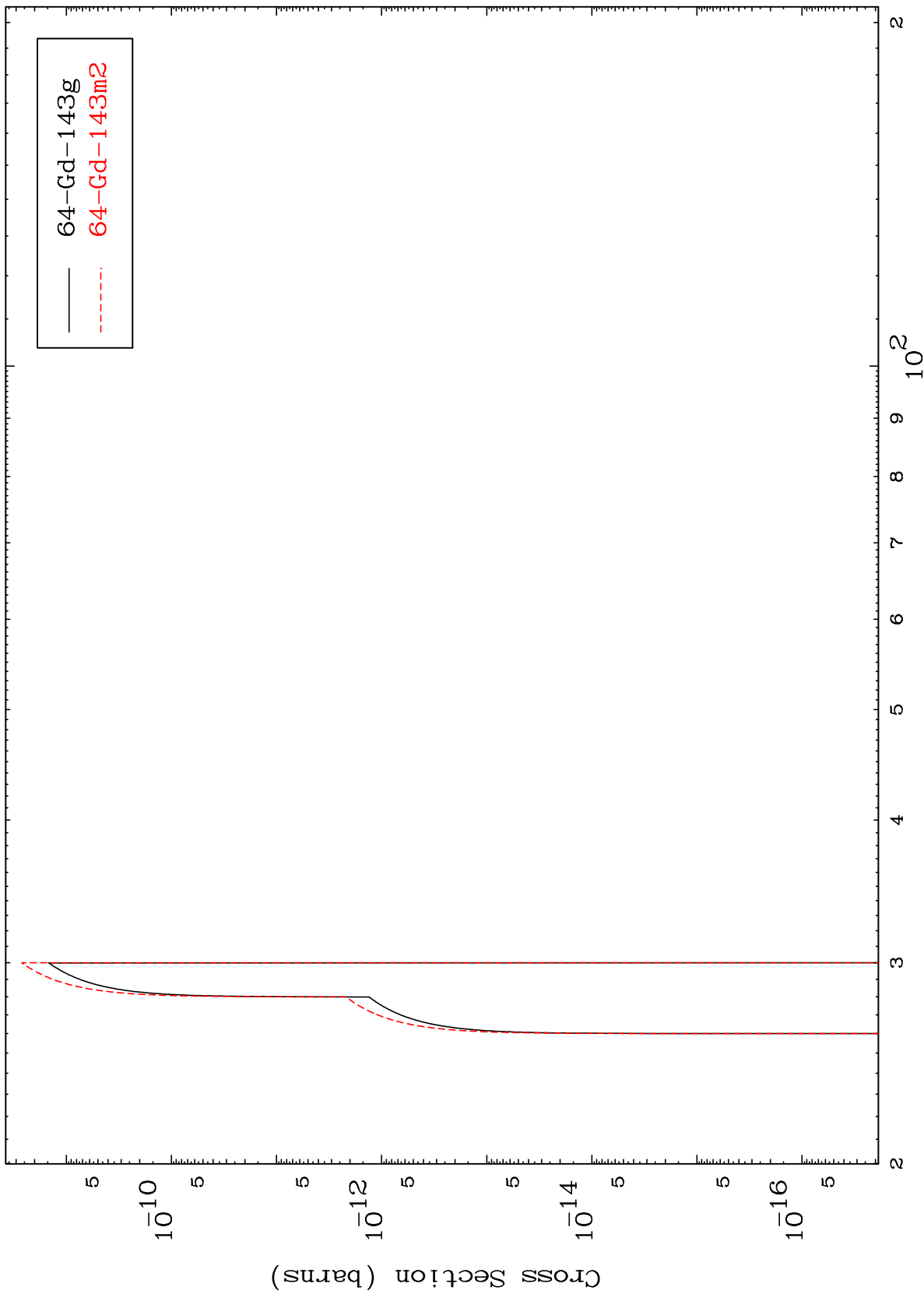
64-Gd-145

MAT 6405

$(\alpha, 2n) \alpha$

64-Gd-145

Radionuclide Production Cross Section



12

Incident Energy (MeV)

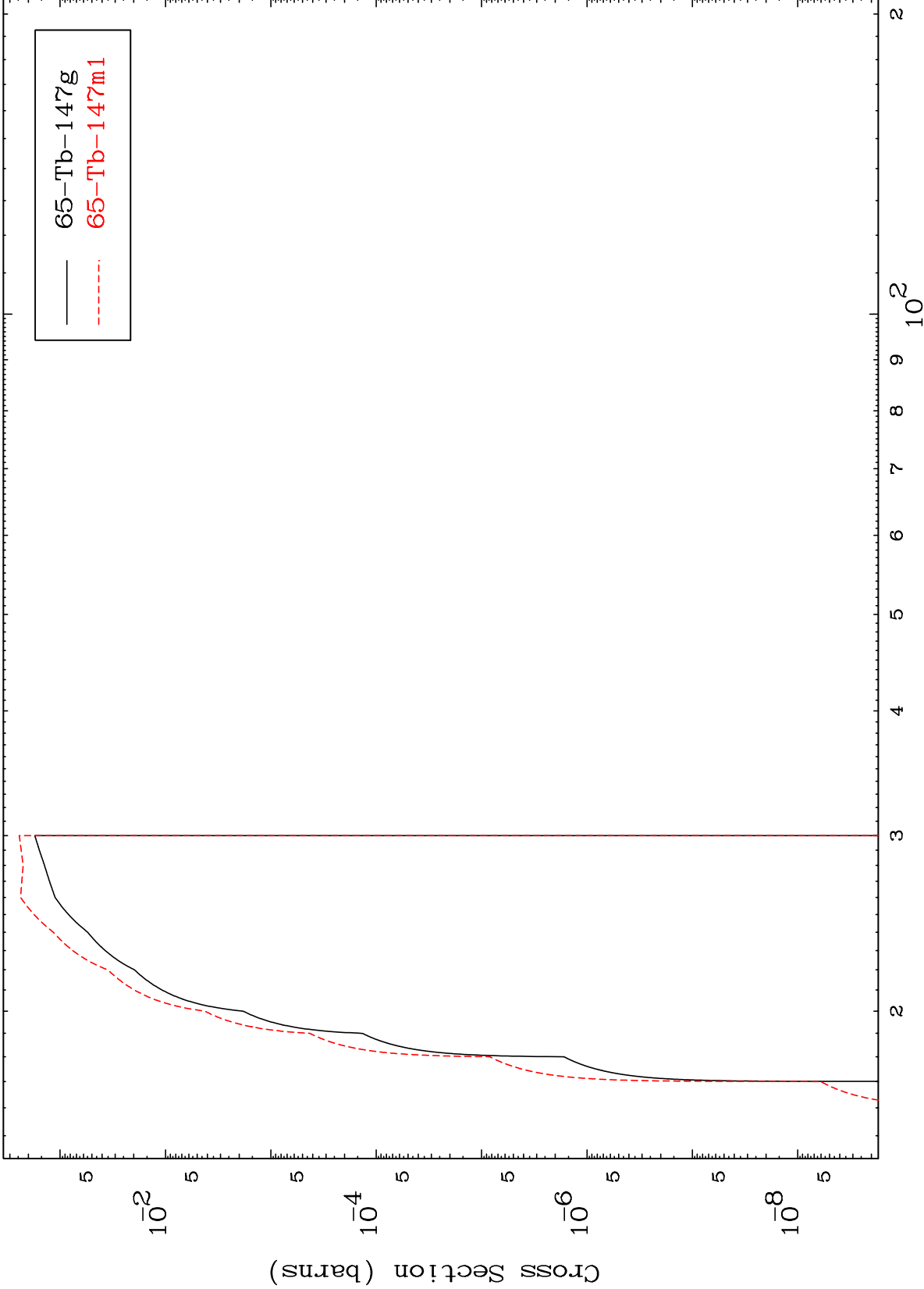
64-Gd-145

MAT 6405

(α, n') p

64-Gd-145

Radionuclide Production Cross Section



65-Tb-147g
65-Tb-147m1

13

Incident Energy (MeV)

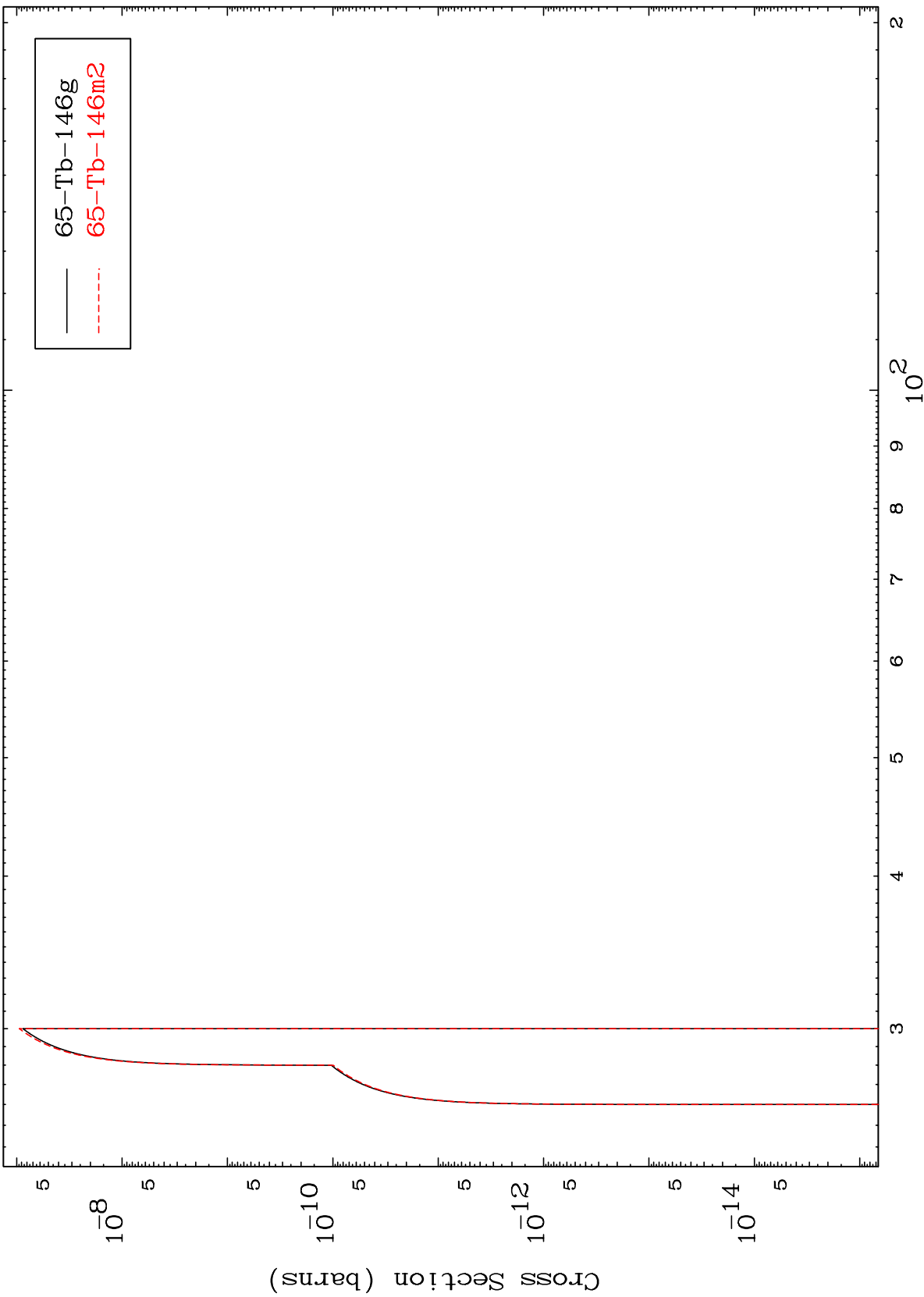
64-Gd-145

MAT 6405

(α, n') d

64-Gd-145

Radionuclide Production Cross Section



14

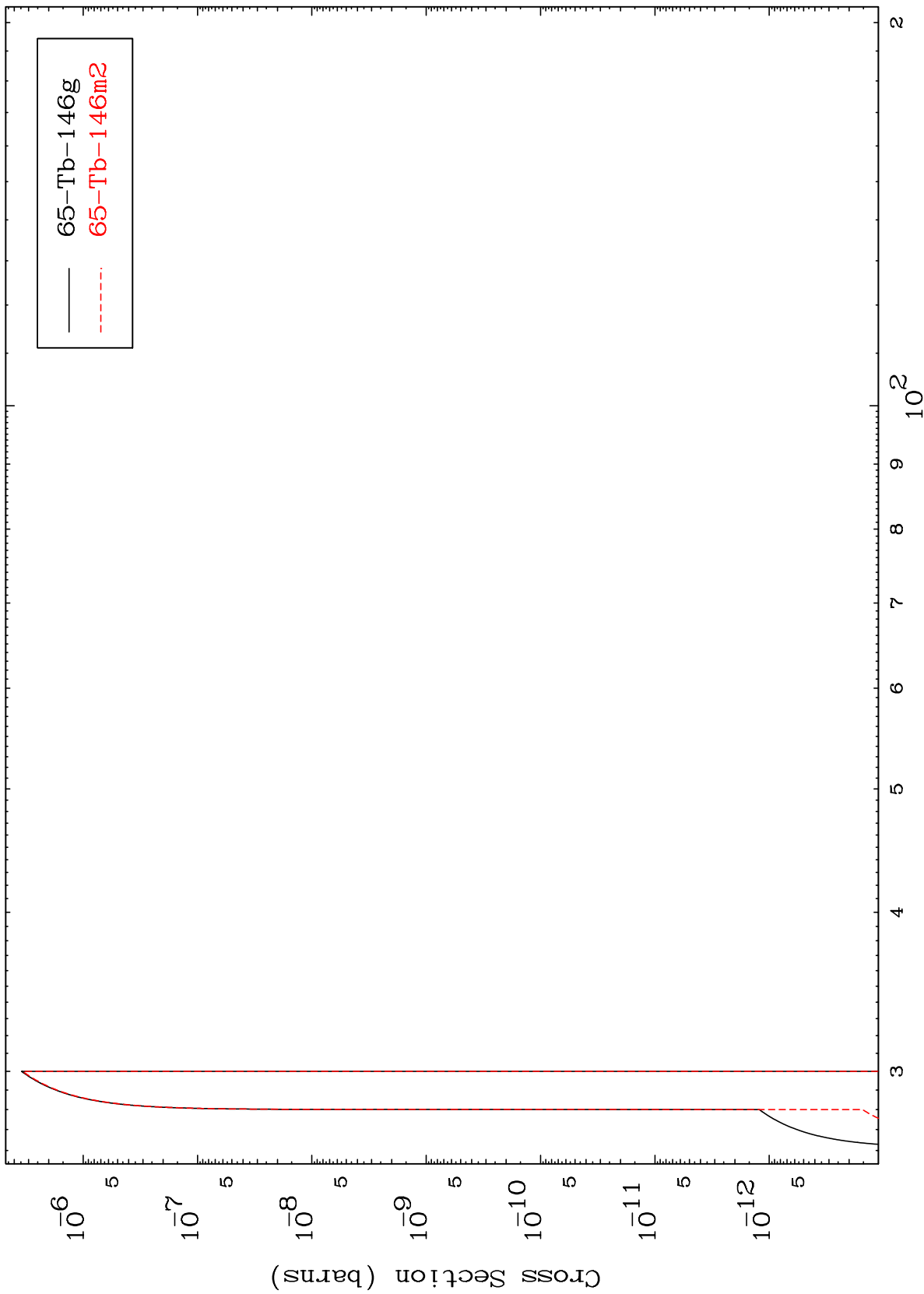
Incident Energy (MeV)

64-Gd-145

MAT 6405

64-Gd-145

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



64-Gd-145

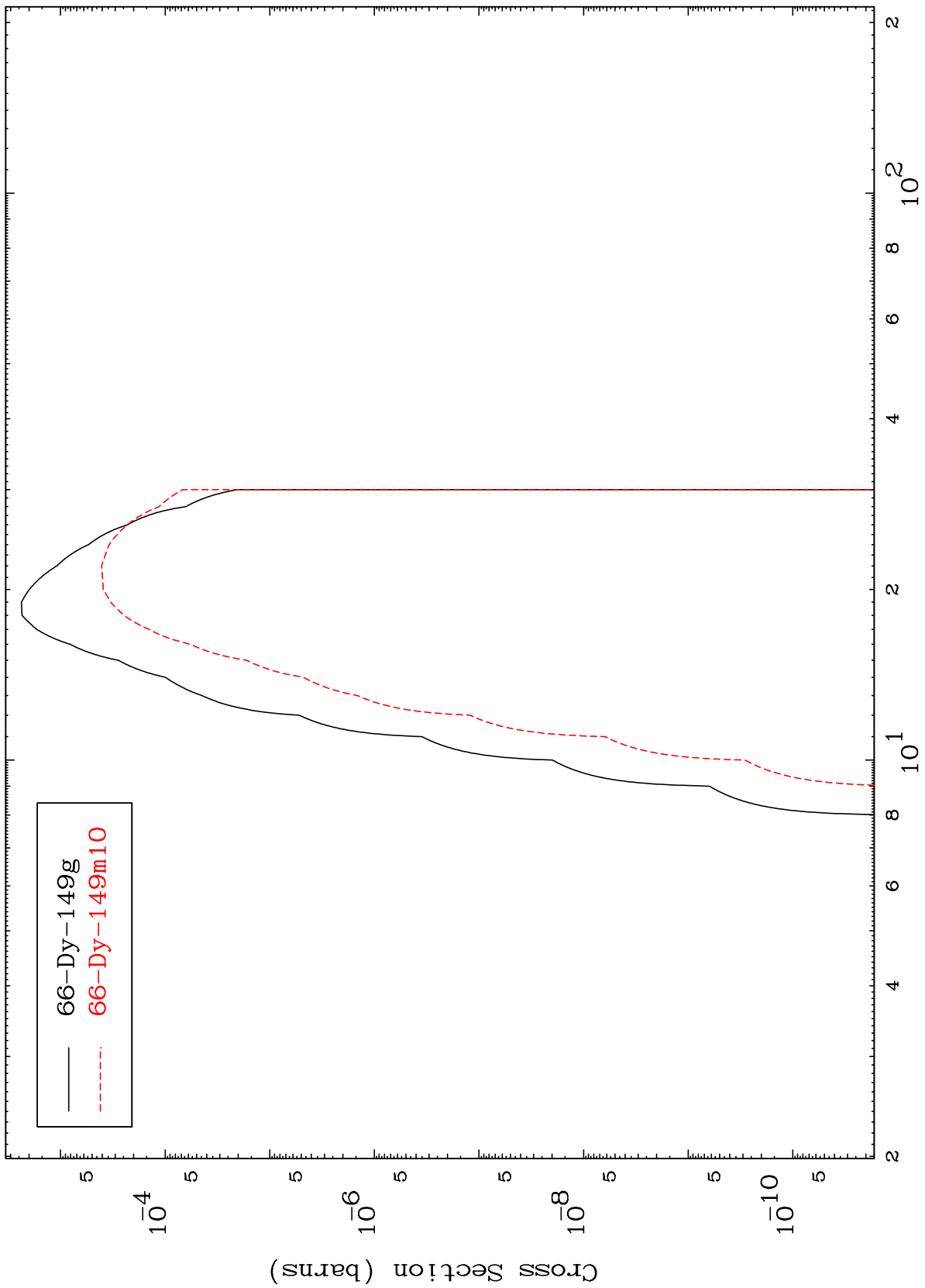
Incident Energy (MeV)

15

MAT 6405

64-Gd-145

(α, γ)
Radionuclide Production Cross Section



16

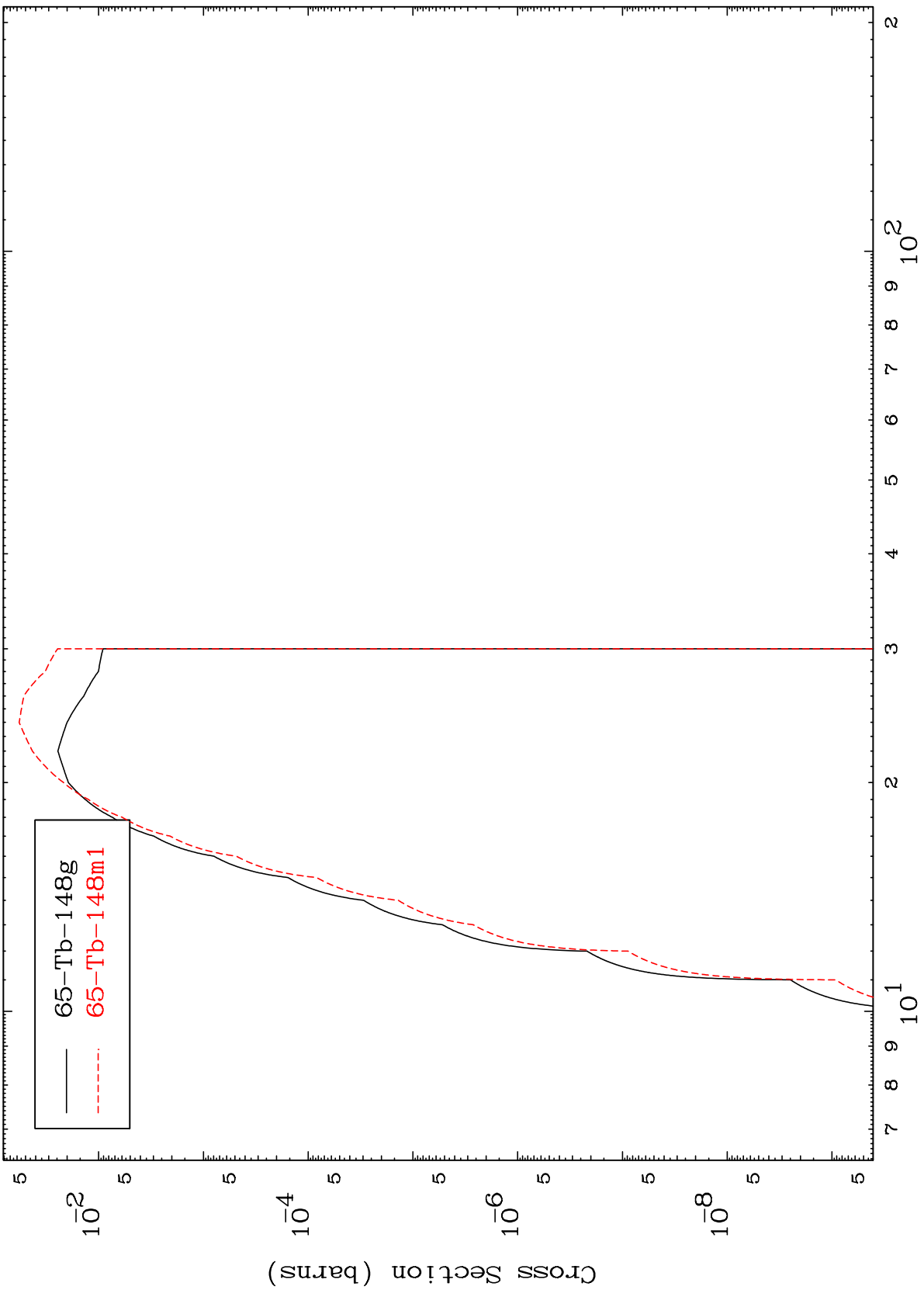
64-Gd-145

Incident Energy (MeV)

MAT 6405

64-Gd-145

(α, p)
Radionuclide Production Cross Section

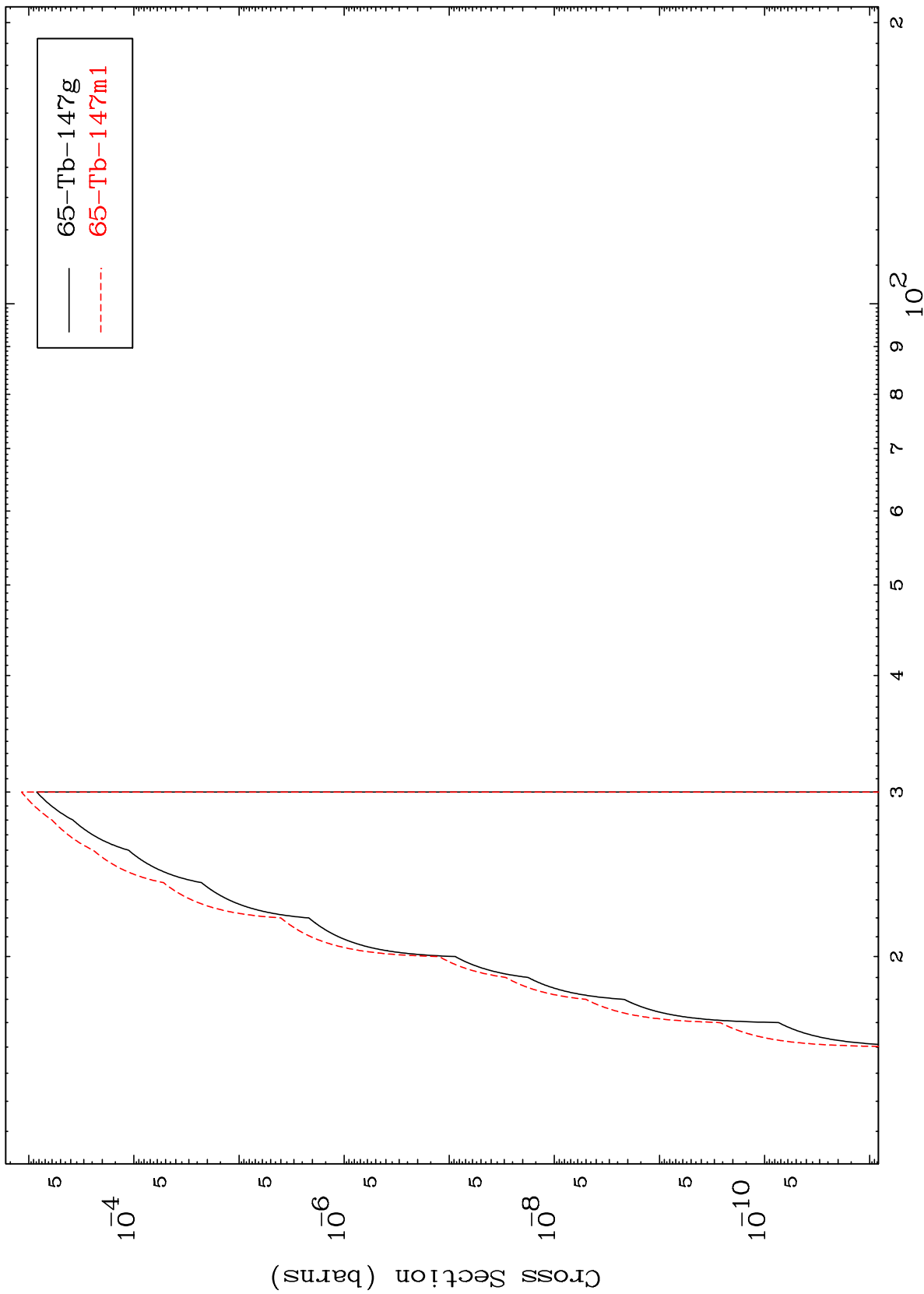


17

Incident Energy (MeV)

64-Gd-145

Radionuclide Production Cross Section

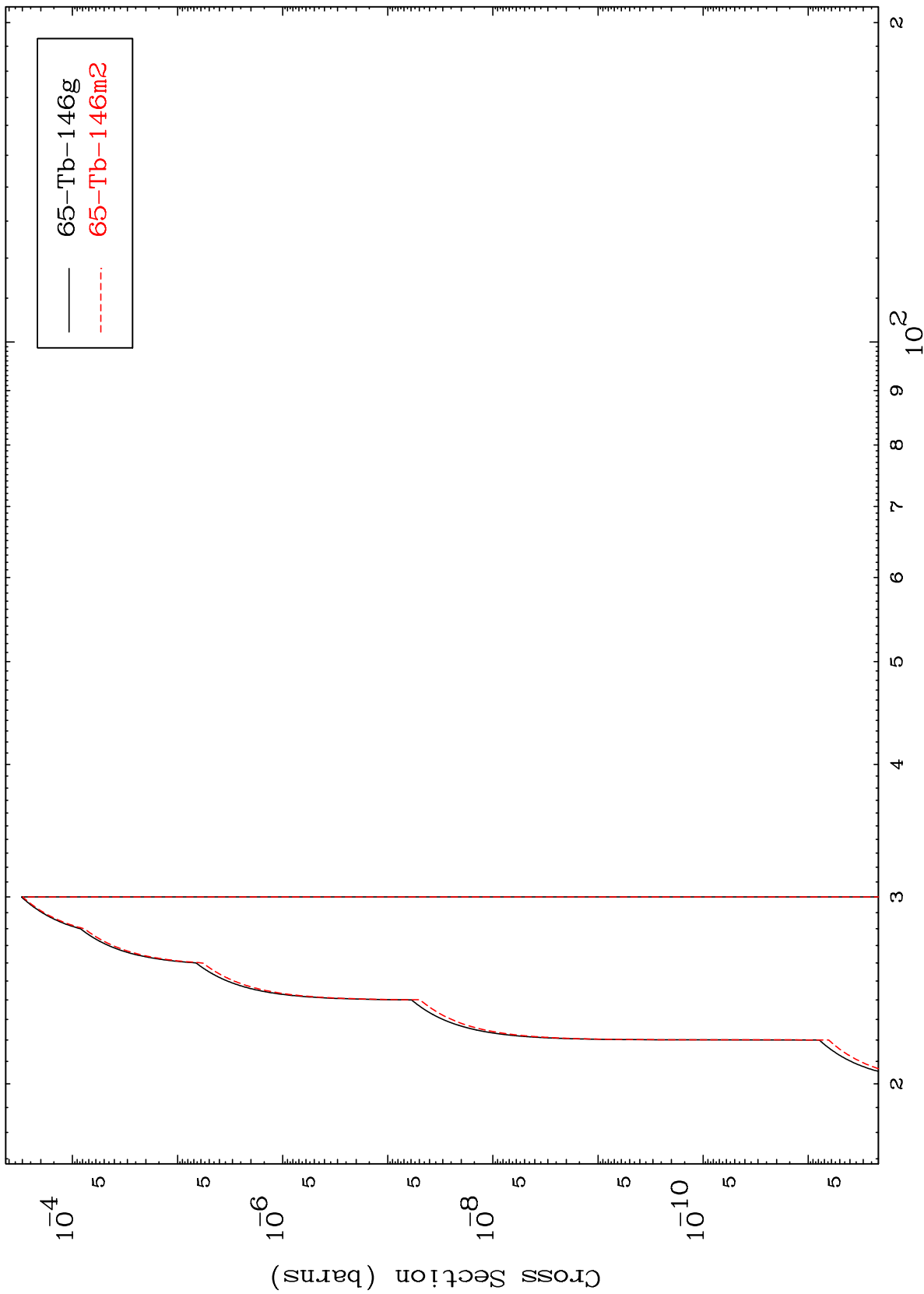


65-Tb-147g
65-Tb-147m1

MAT 6405

64-Gd-145

(α, t)
Radionuclide Production Cross Section



19

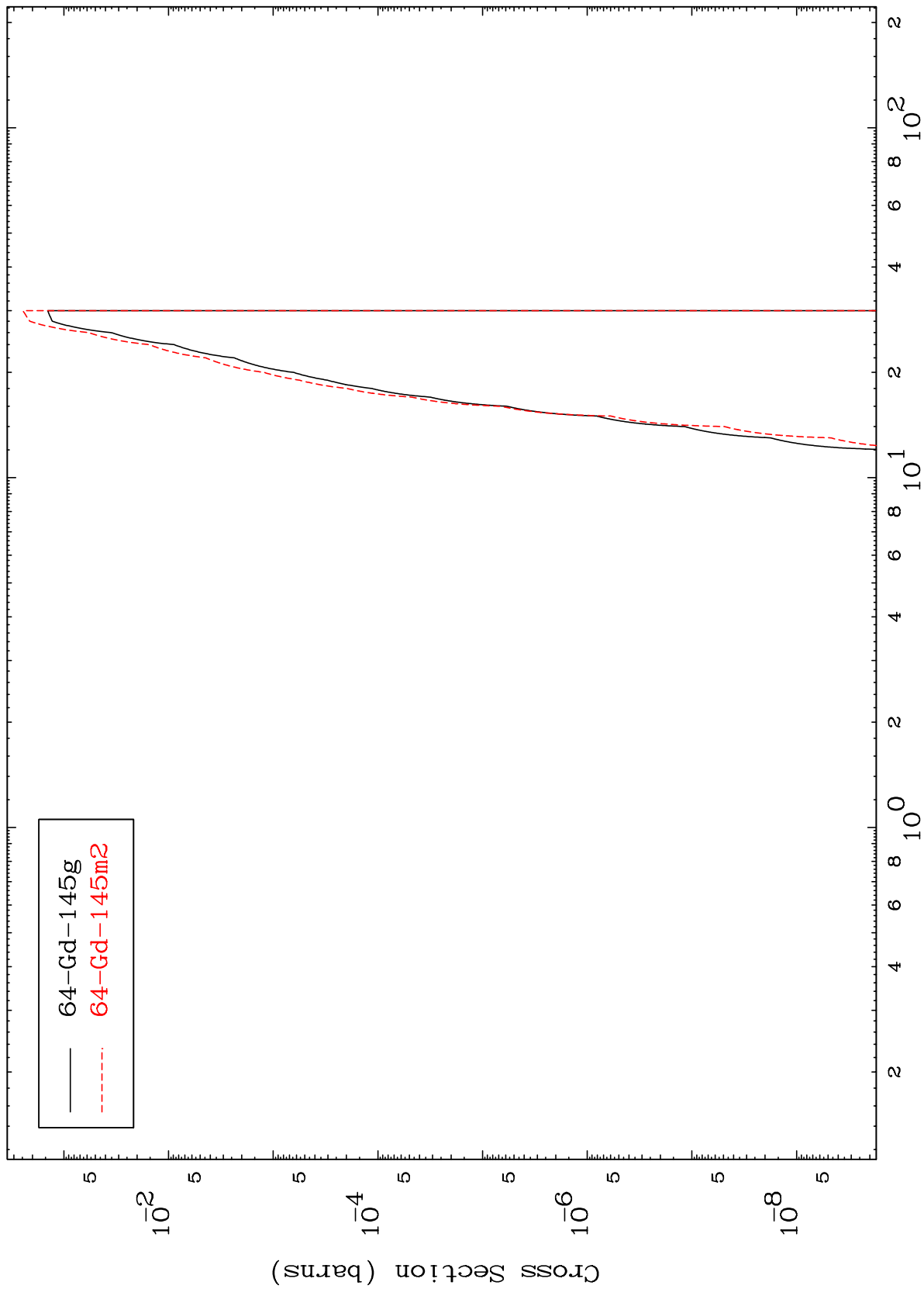
64-Gd-145

Incident Energy (MeV)

MAT 6405

64-Gd-145

Radionuclide Production Cross Section
(α, α)



64-Gd-145

Incident Energy (MeV)

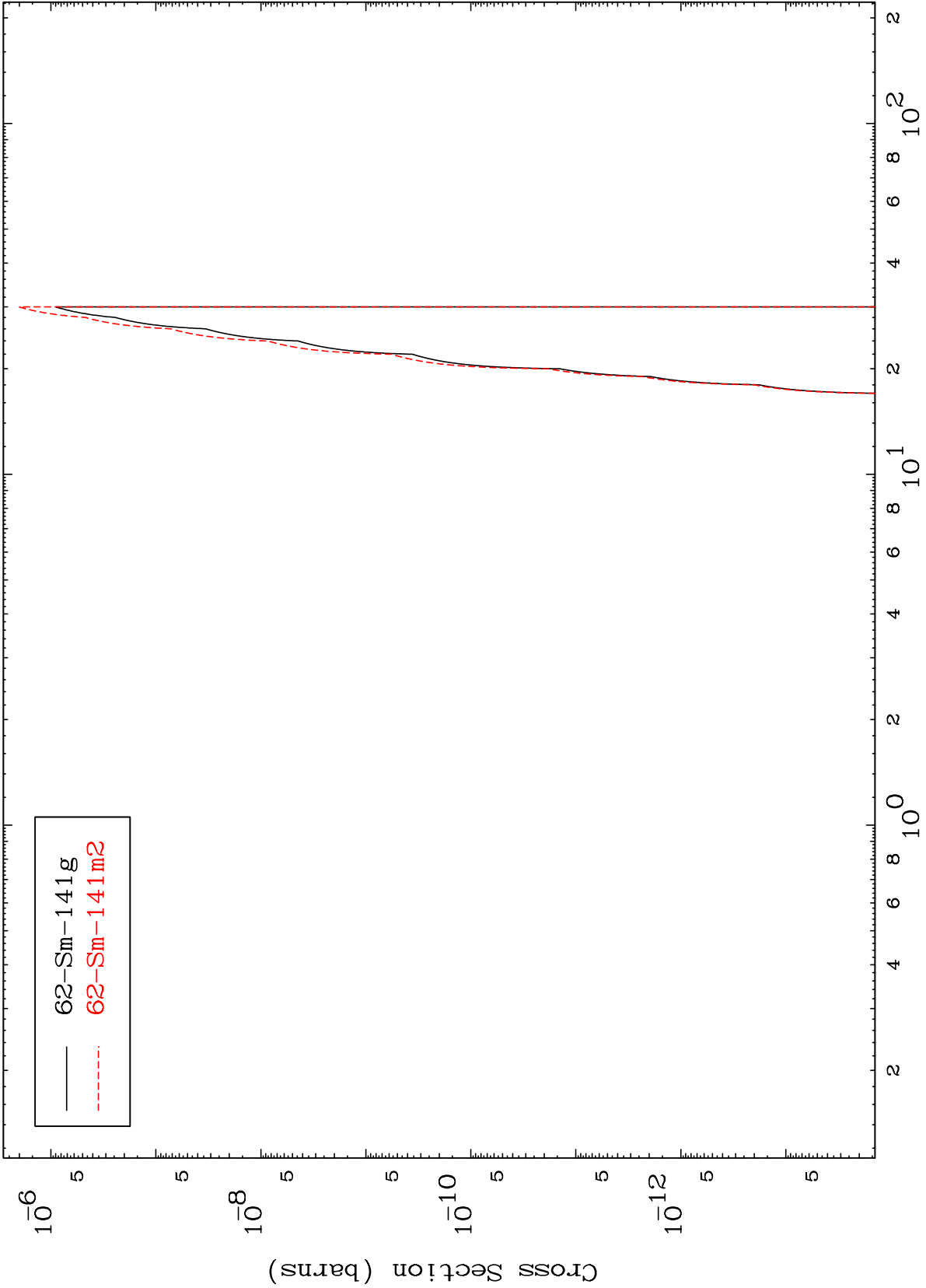
20

MAT 6405

($\alpha, 2\alpha$)

64-Gd-145

Radionuclide Production Cross Section



Radionuclide Production Cross Section

