

Program EVALPLOT
(Version 2018-1)

by

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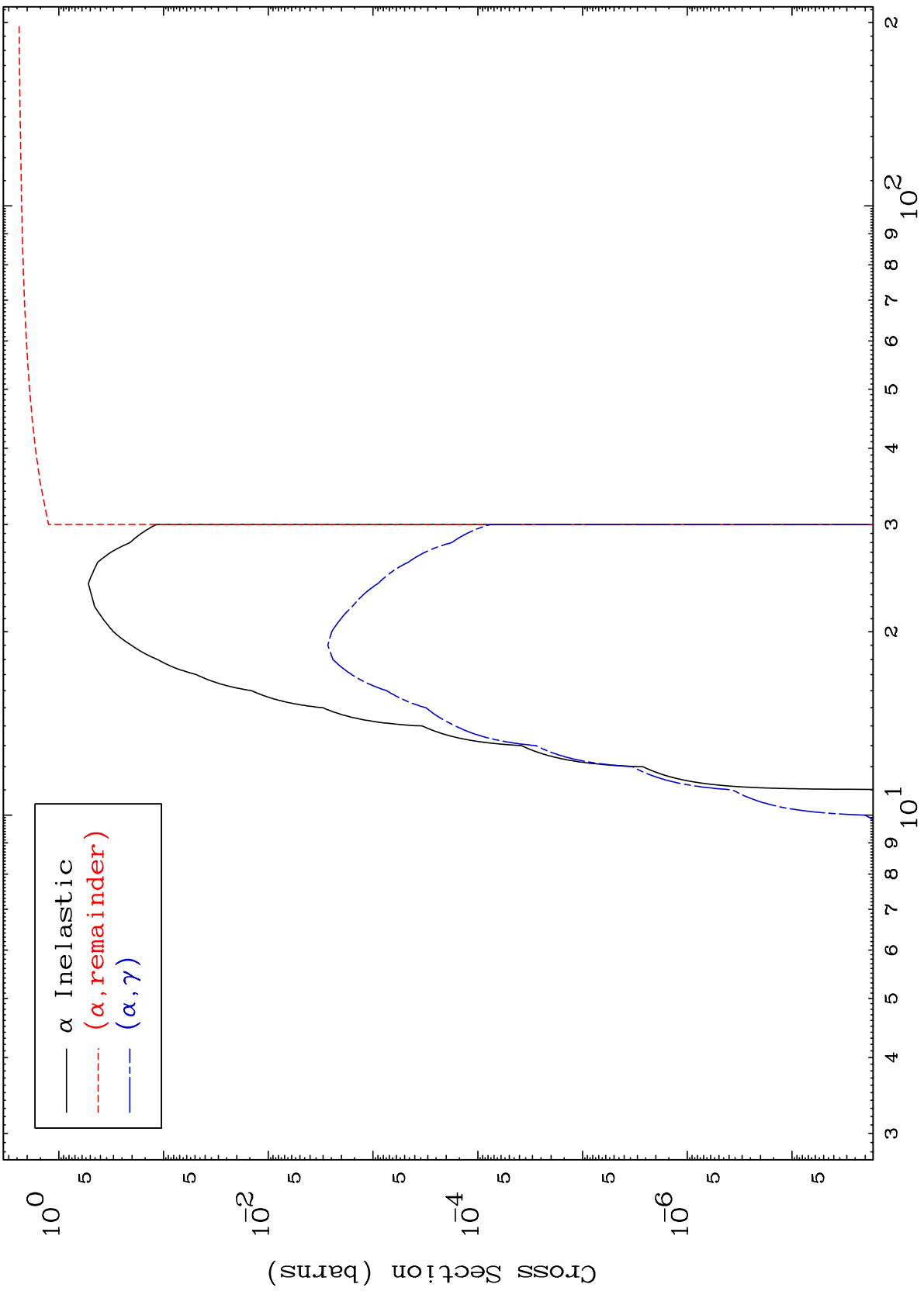
Press Mouse Button to Start

MAT 6404

α Major

64-Gd-145

0 Kelvin Cross Sections



1

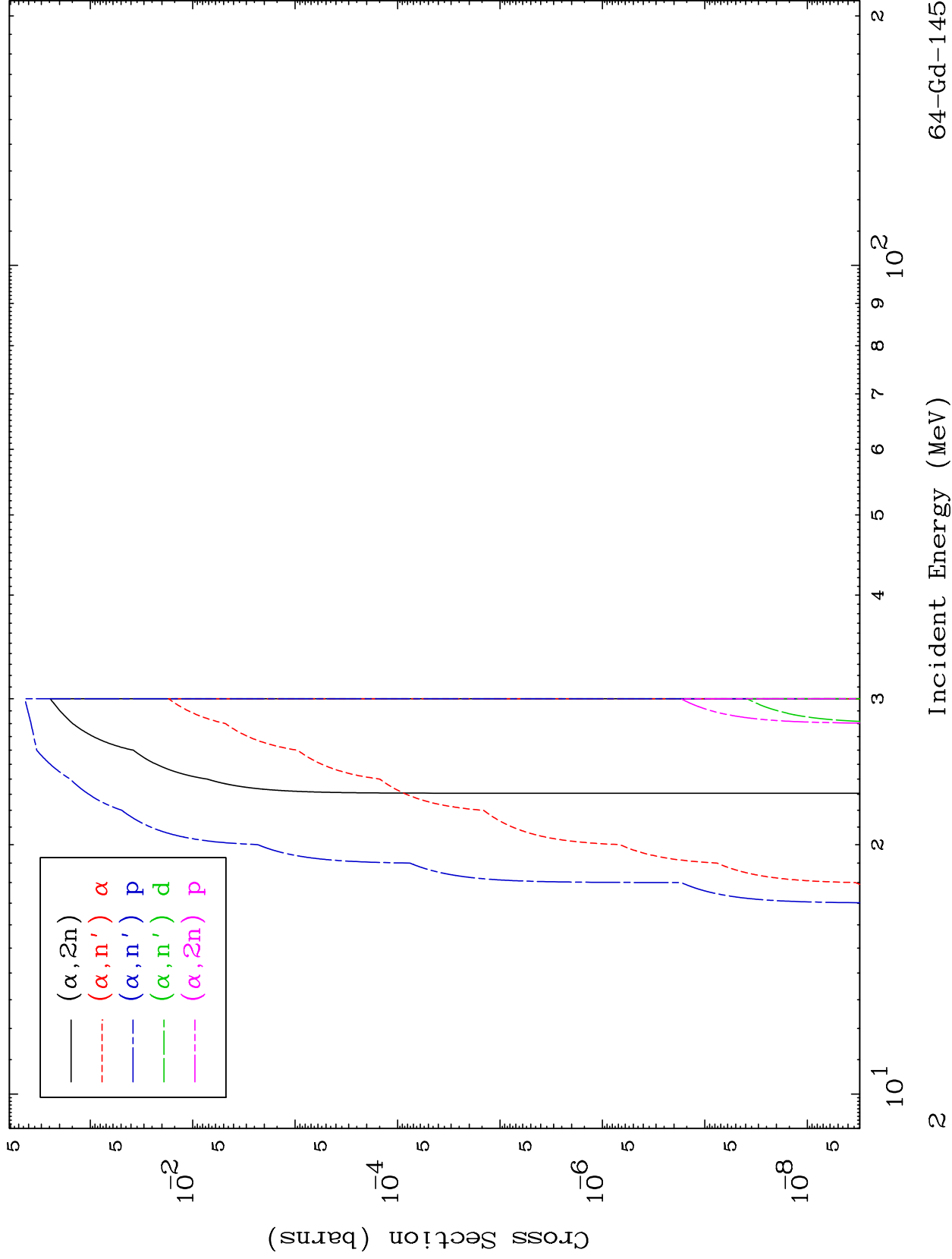
Incident Energy (MeV)

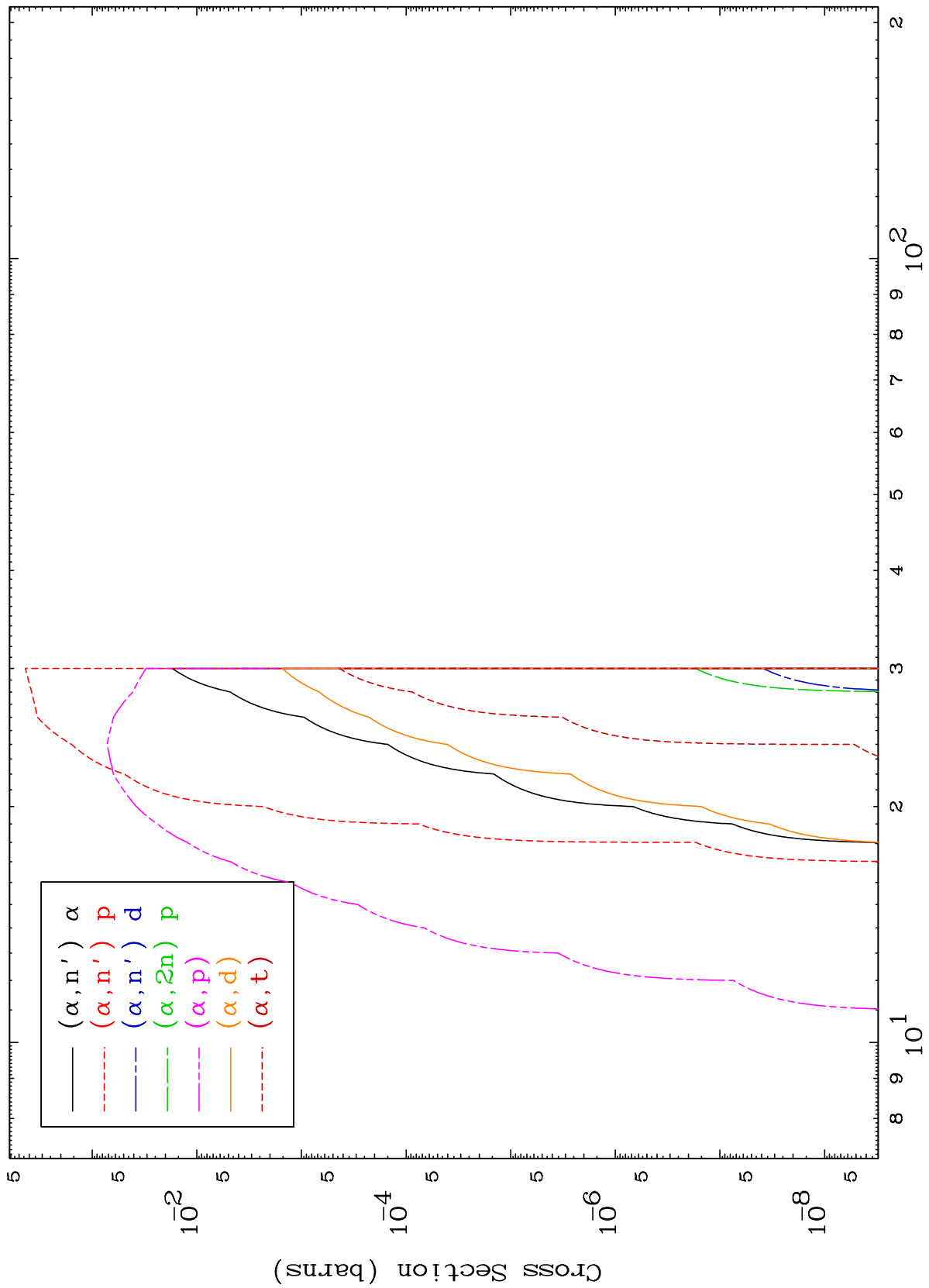
64-Gd-145

MAT 6404

α Neutron Production
0 Kelvin Cross Sections

64-Gd-145

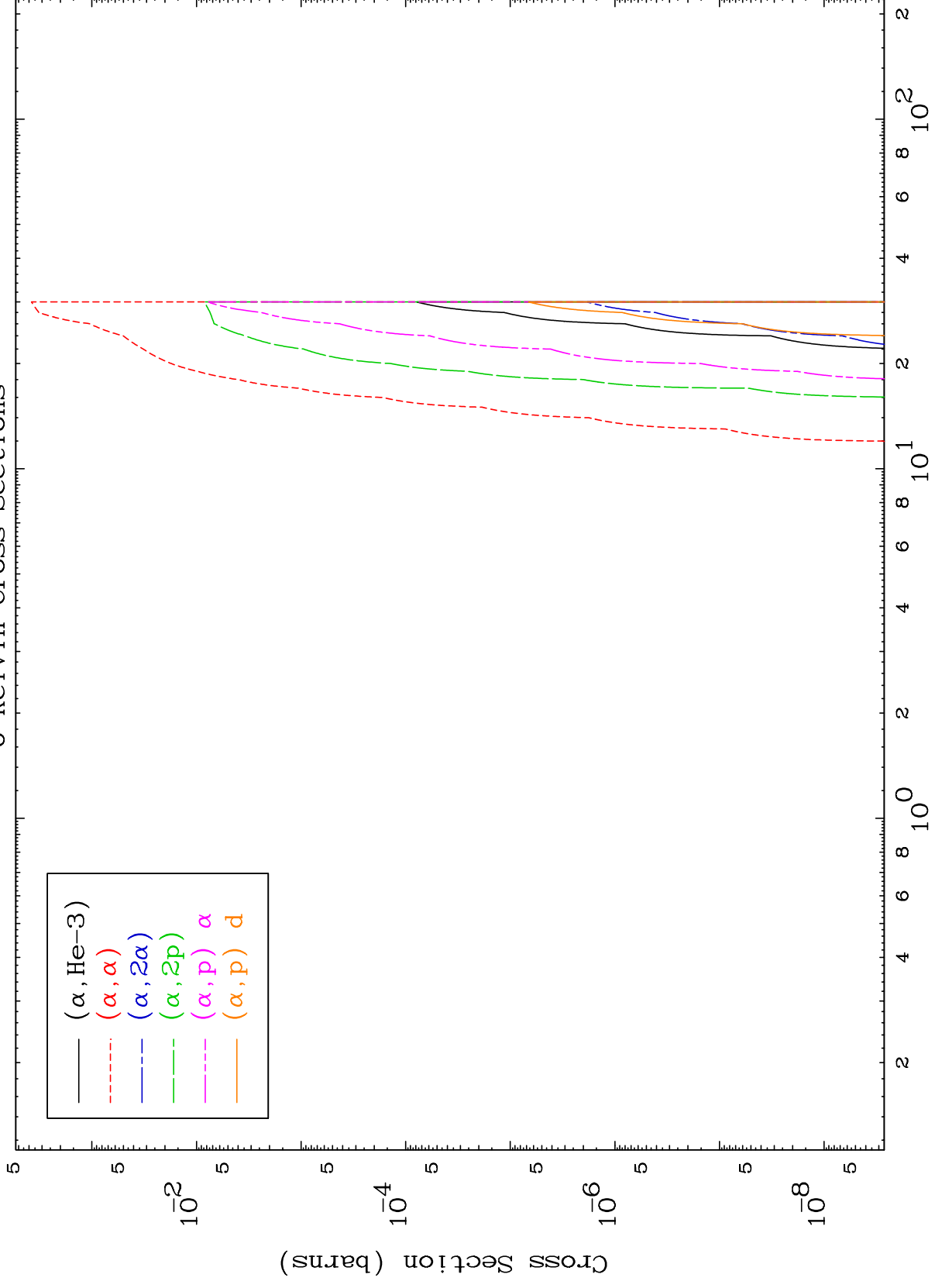




MAT 6404

α Charged Particle
0 Kelvin Cross Sections

64-Gd-145

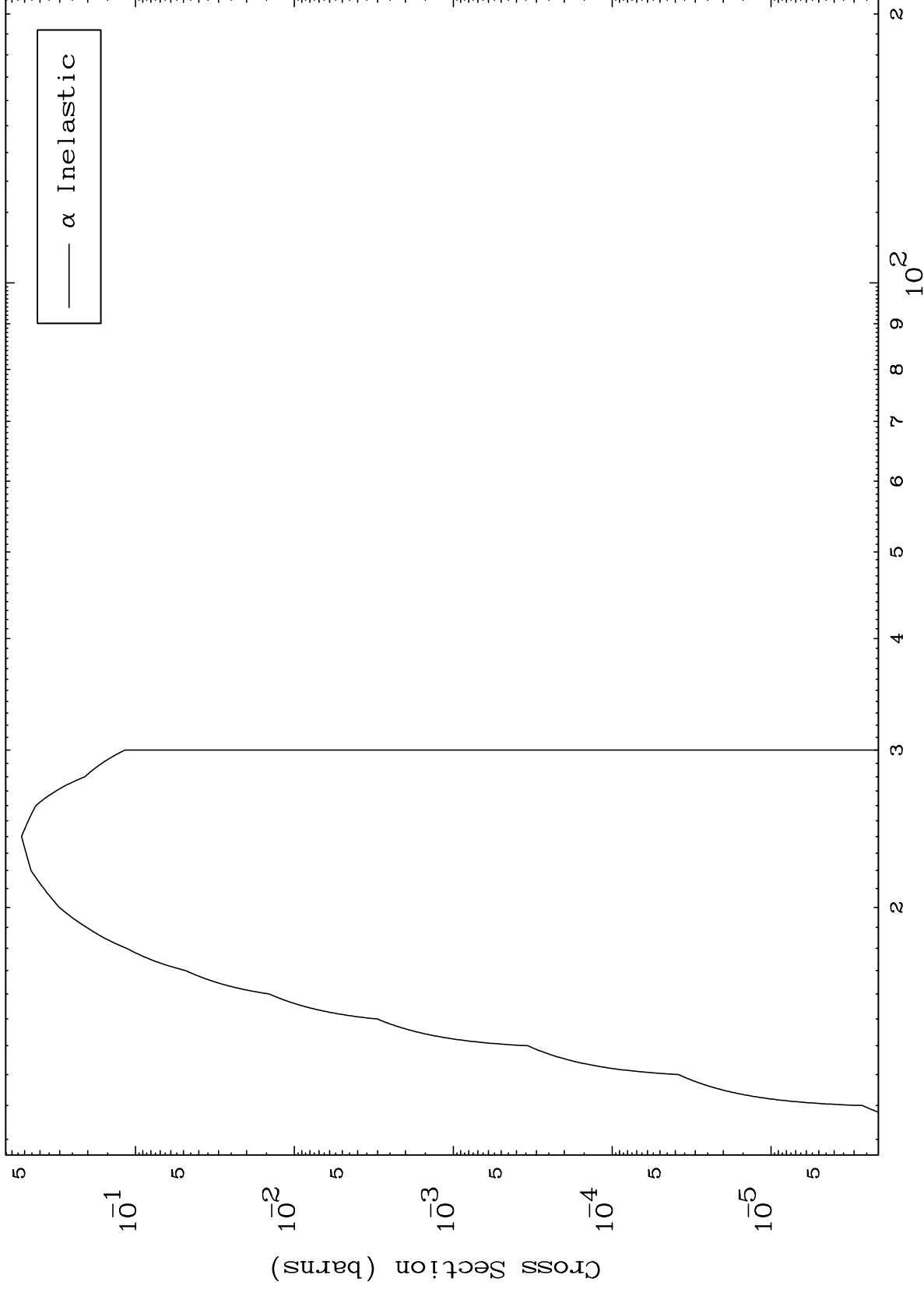


MAT 6404

(α, n') Level

64-Gd-145

0 Kelvin Cross Sections



5

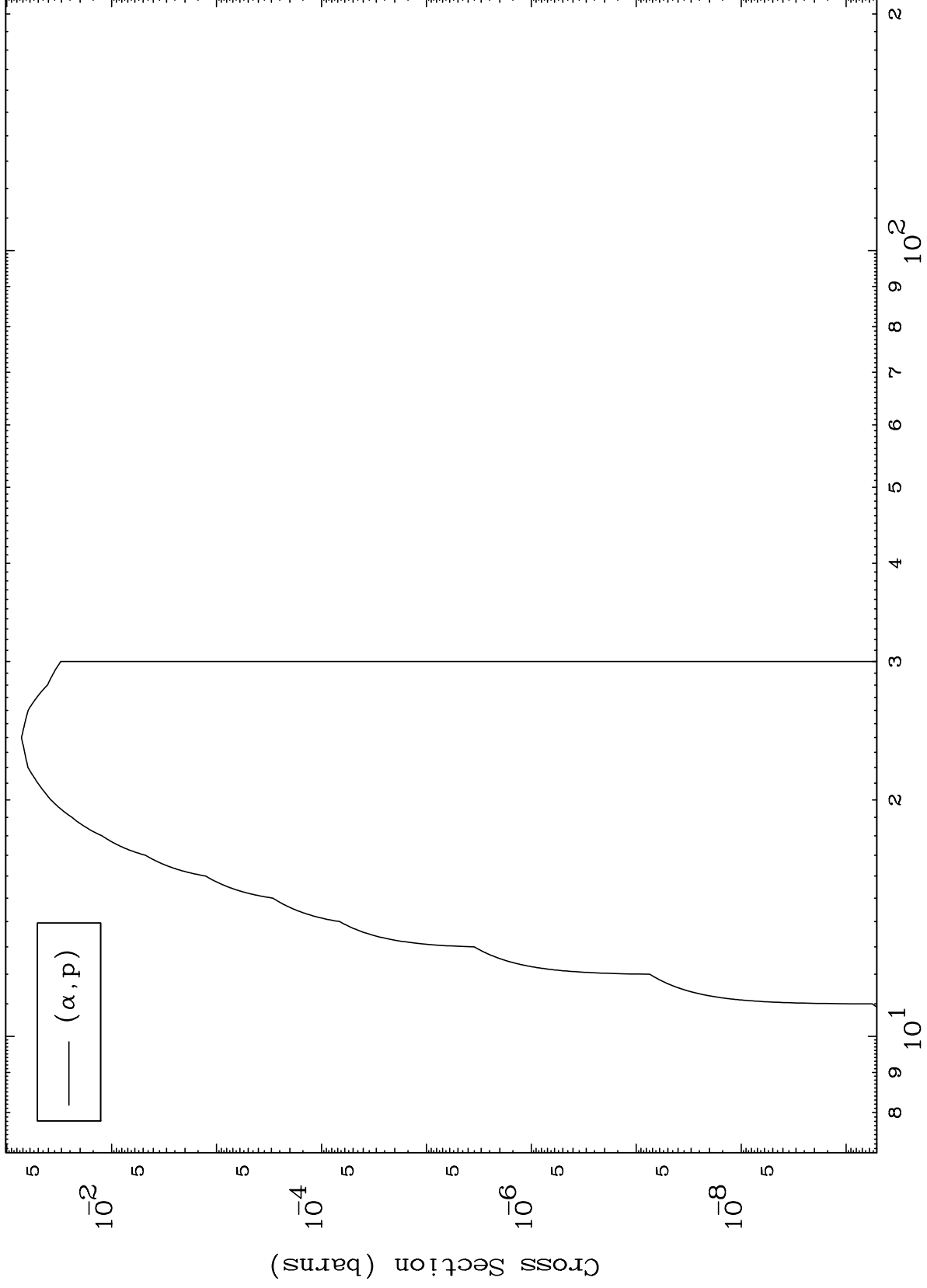
Incident Energy (MeV)

64-Gd-145

MAT 6404

64-Gd-145

(α, p) Levels
0 Kelvin Cross Sections



6

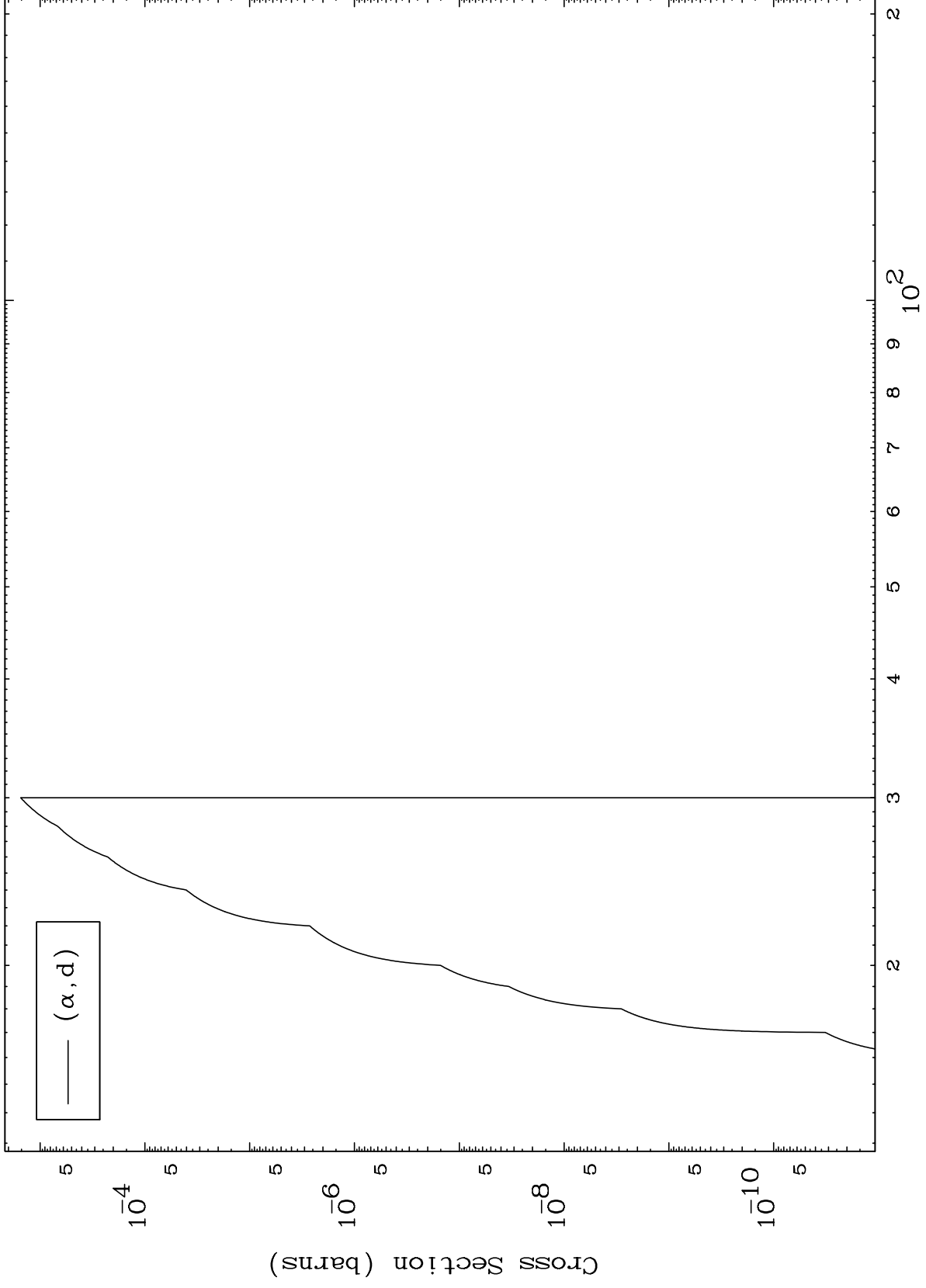
Incident Energy (MeV)

64-Gd-145

MAT 6404

(α, d) Levels
0 Kelvin Cross Sections

64-Gd-145



7

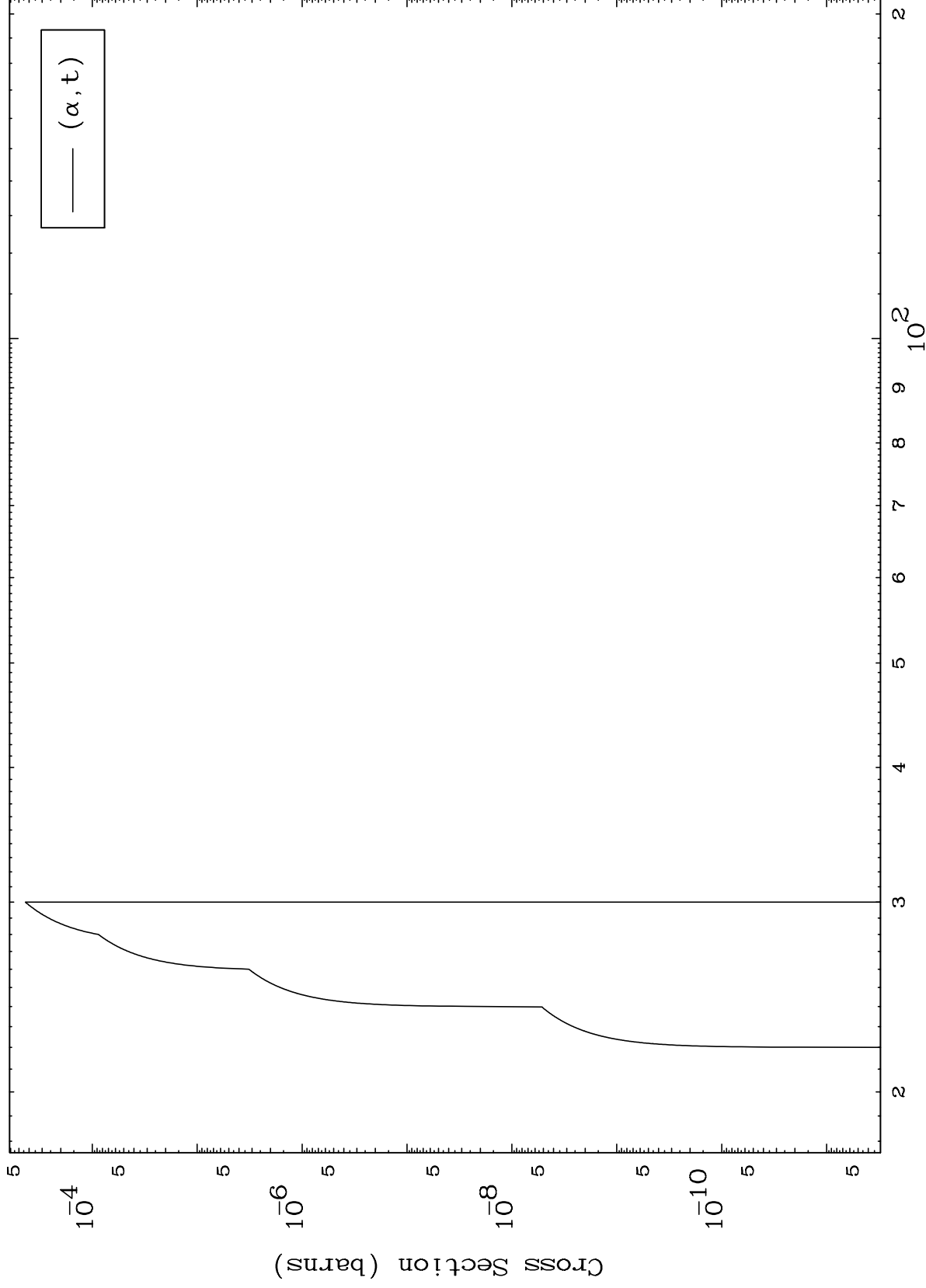
Incident Energy (MeV)

64-Gd-145

MAT 6404

(α, t) Levels
0 Kelvin Cross Sections

64-Gd-145



8

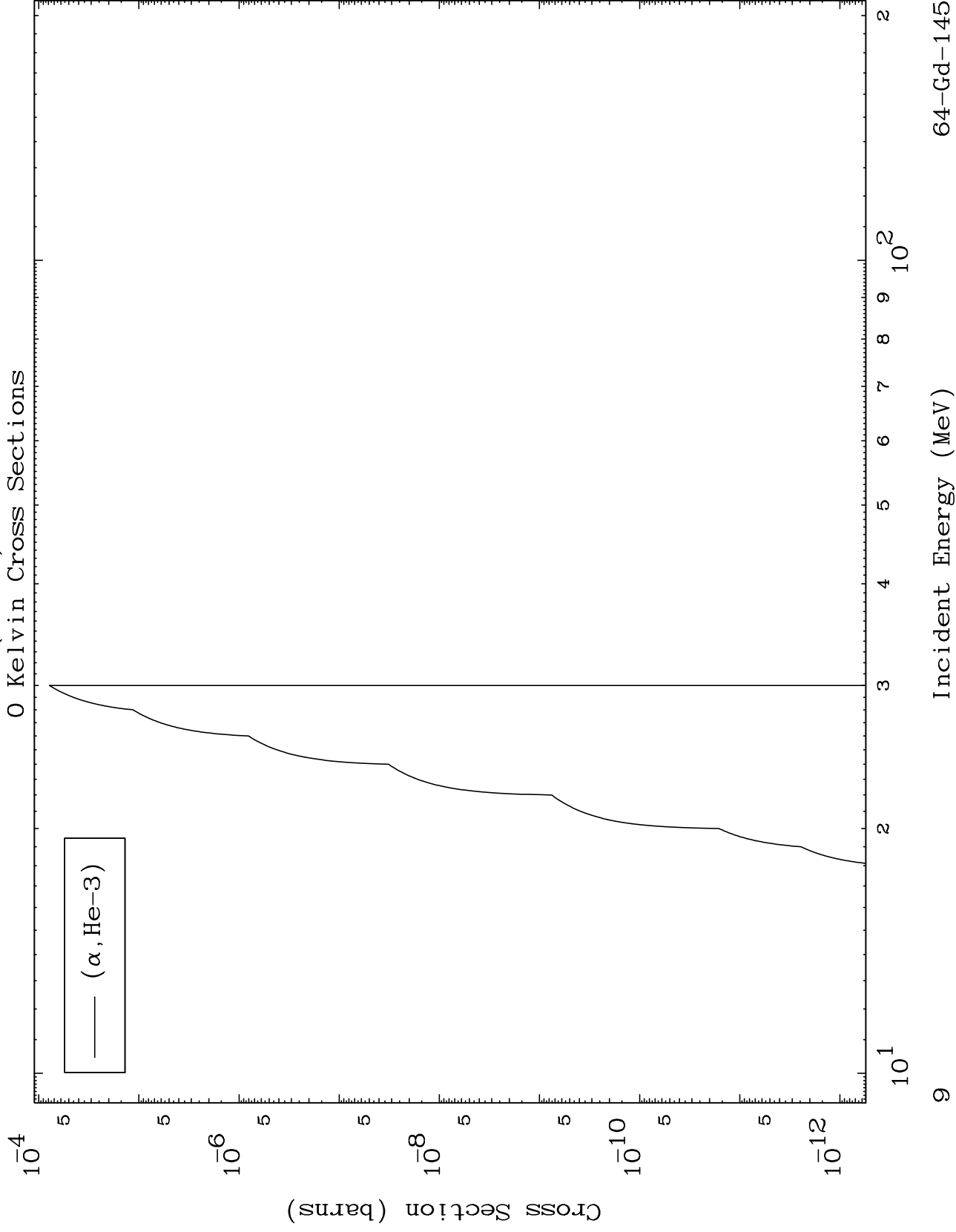
Incident Energy (MeV)

64-Gd-145

MAT 6404

(α , He3) Levels

64-Gd-145

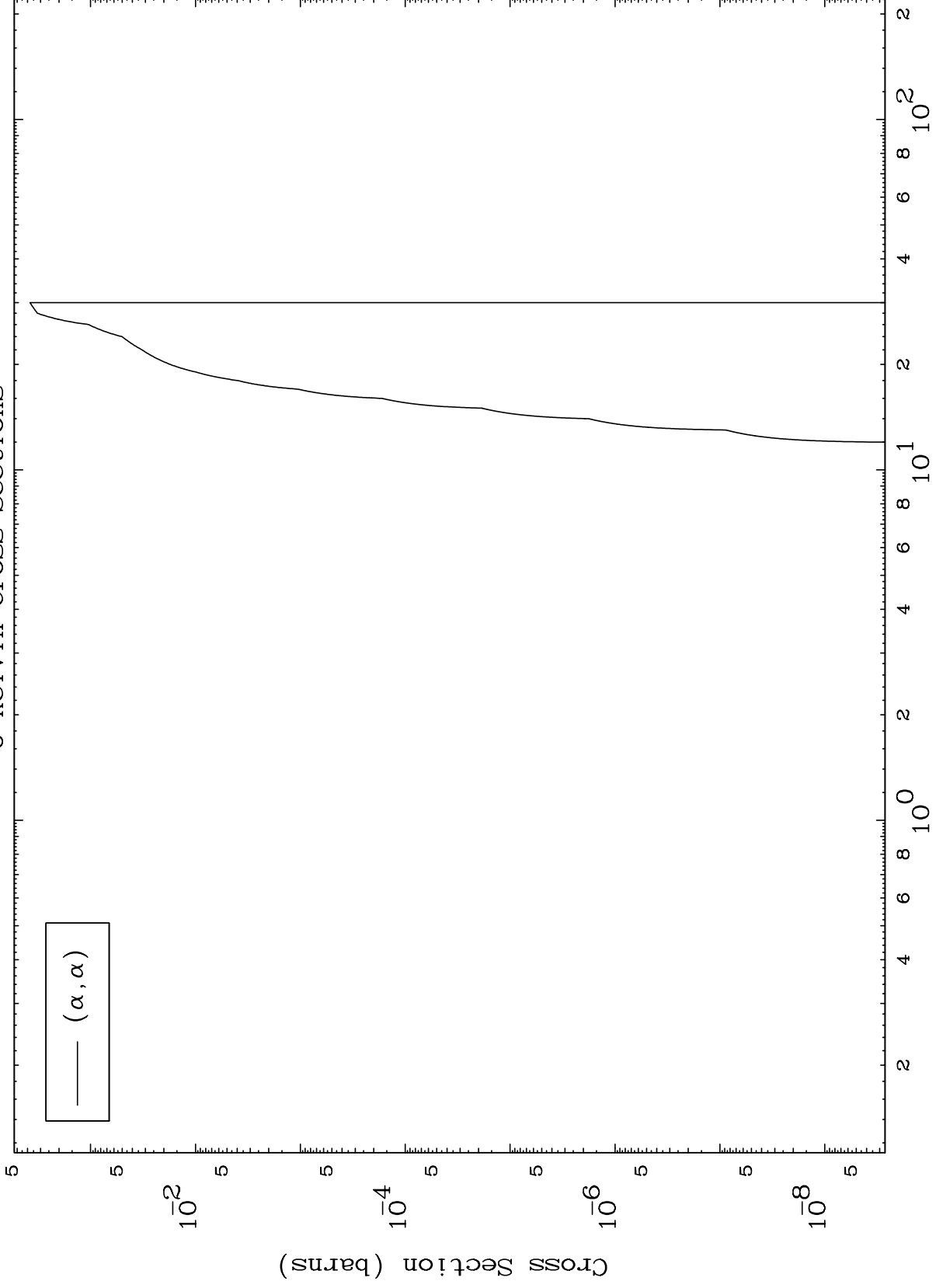


MAT 6404

(α, α) Levels

64-Gd-145

0 Kelvin Cross Sections



10

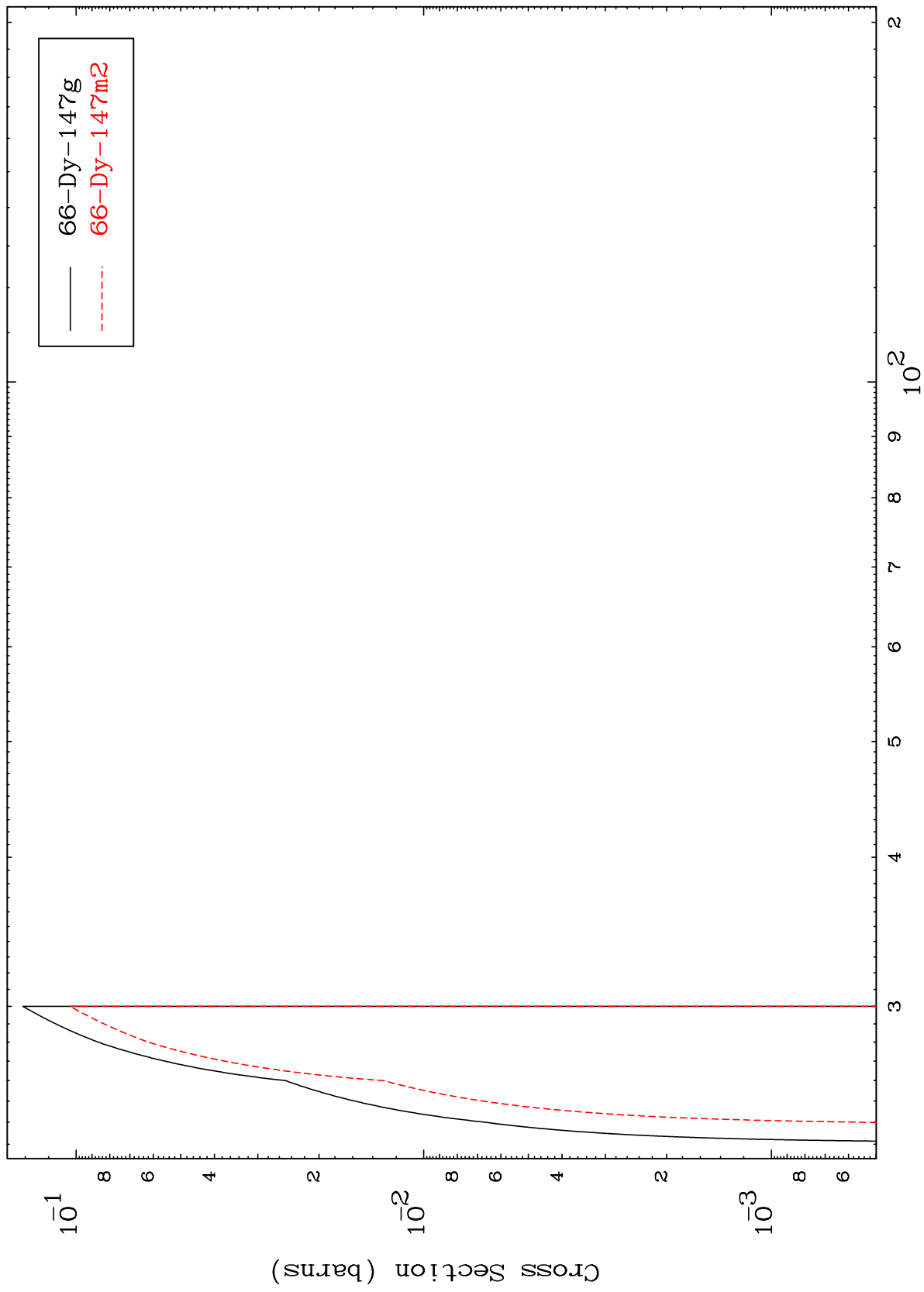
Incident Energy (MeV)

64-Gd-145

MAT 6404

64-Gd-145

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



11

Incident Energy (MeV)

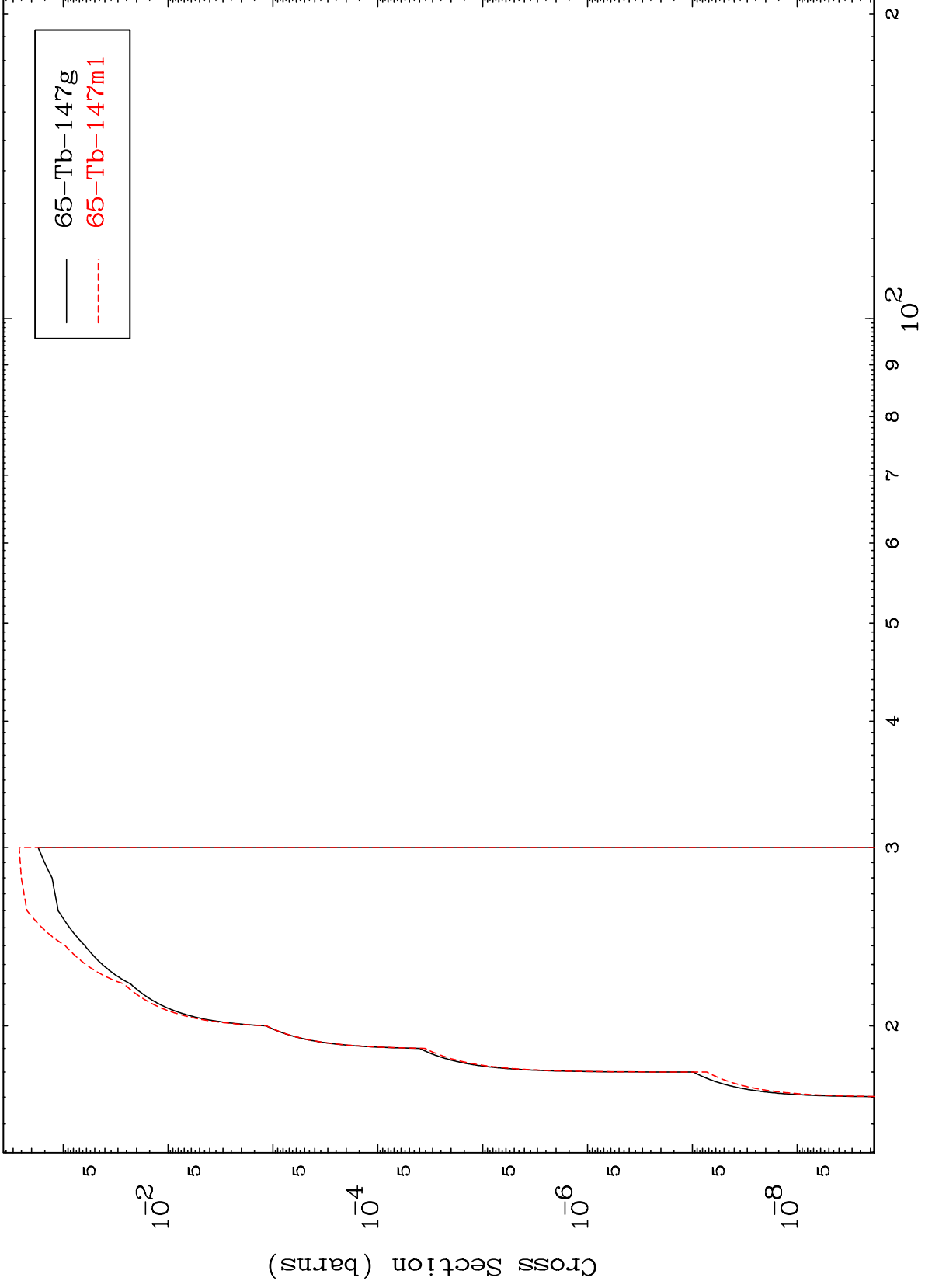
64-Gd-145

MAT 6404

(α, n') p

64-Gd-145

Radionuclide Production Cross Section



12

Incident Energy (MeV)

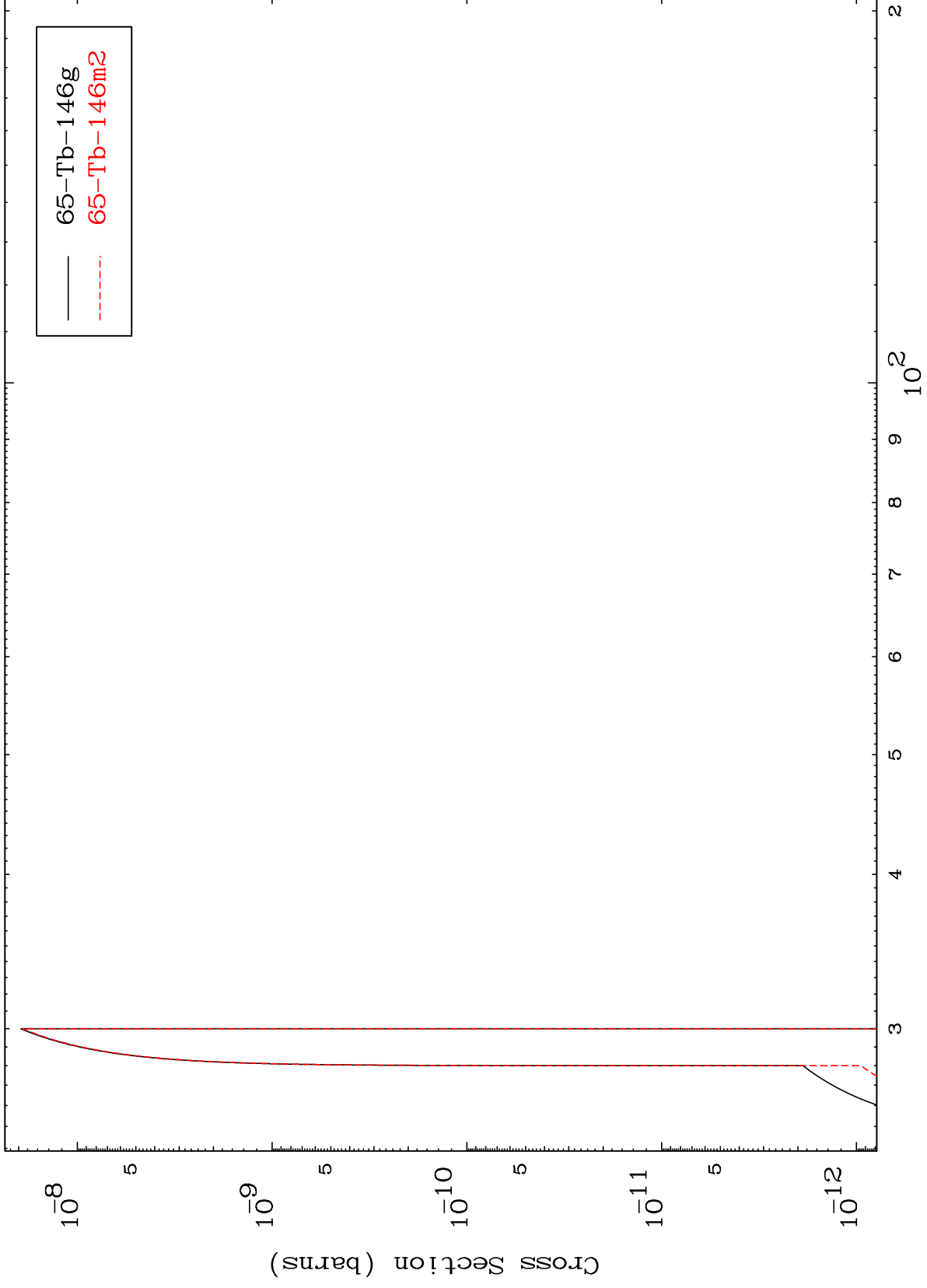
64-Gd-145

MAT 6404

(α, n') d

64-Gd-145

Radionuclide Production Cross Section



13

Incident Energy (MeV)

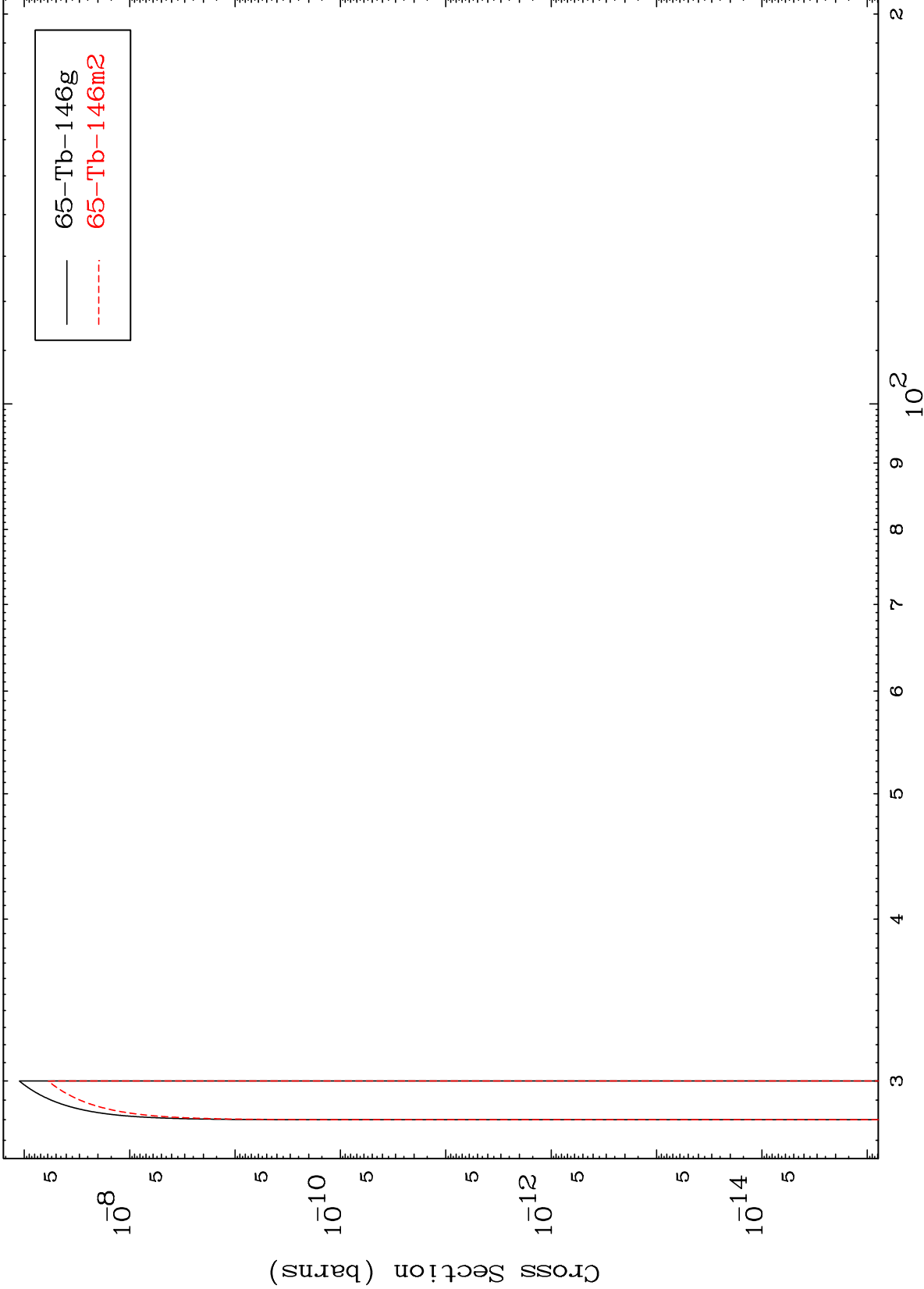
64-Gd-145

MAT 6404

$(\alpha, 2n)$ p

64-Gd-145

Radionuclide Production Cross Section



65-Tb-146g
65-Tb-146m2

14

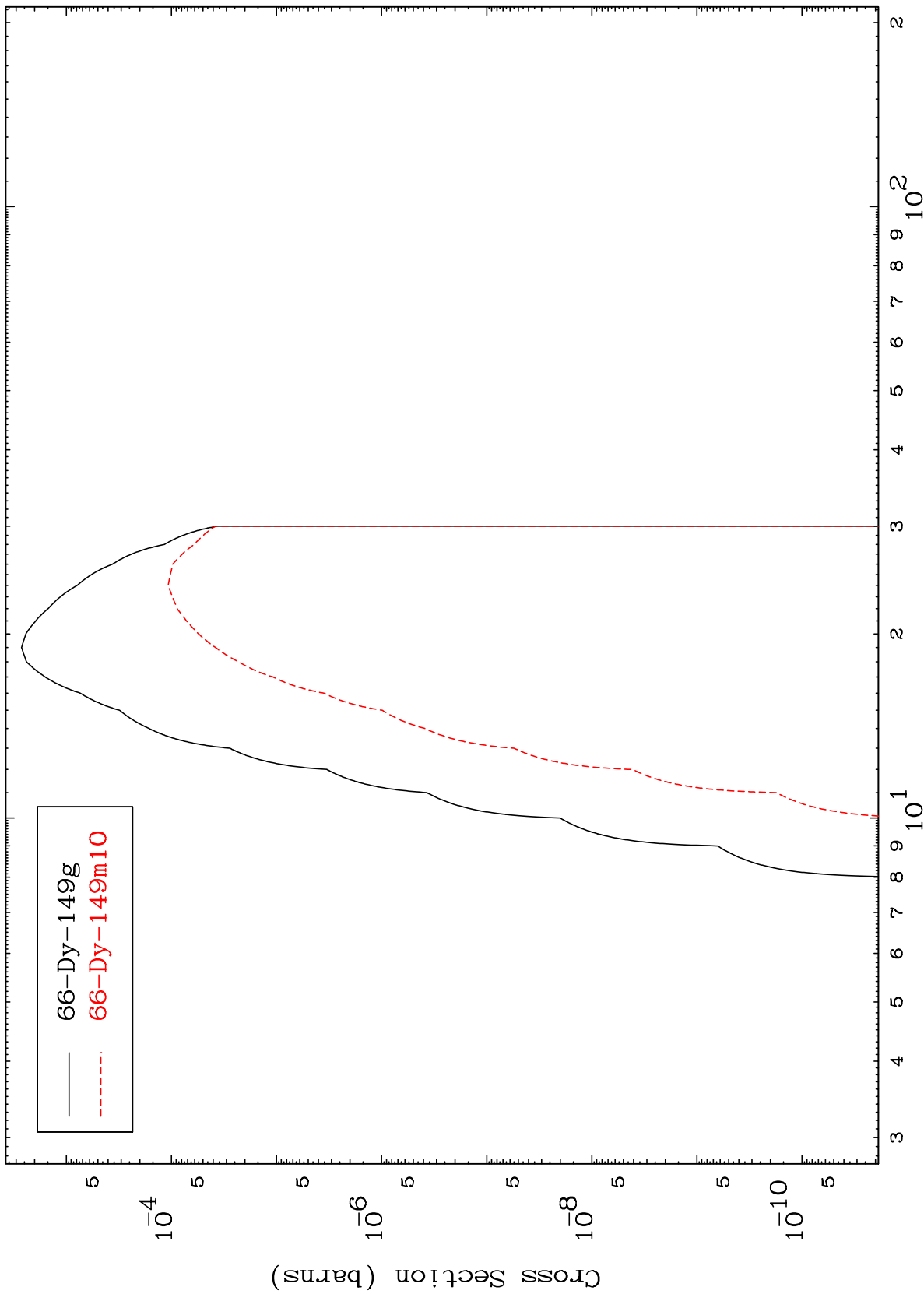
Incident Energy (MeV)

64-Gd-145

MAT 6404

64-Gd-145

Radionuclide Production Cross Section
(α, γ)



64-Gd-145

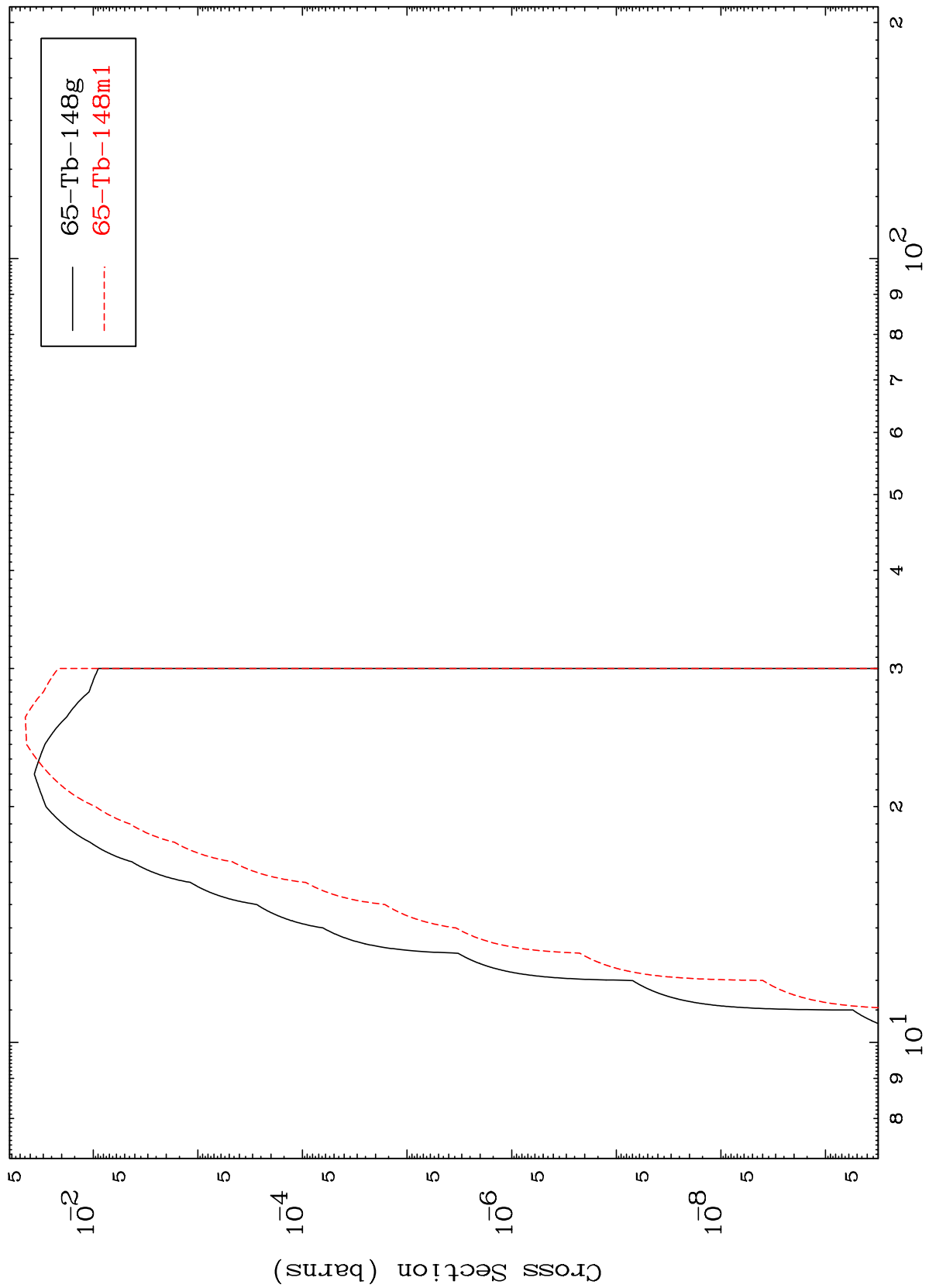
Incident Energy (MeV)

15

MAT 6404

64-Gd-145

(α, p)
Radionuclide Production Cross Section



64-Gd-145

Incident Energy (MeV)

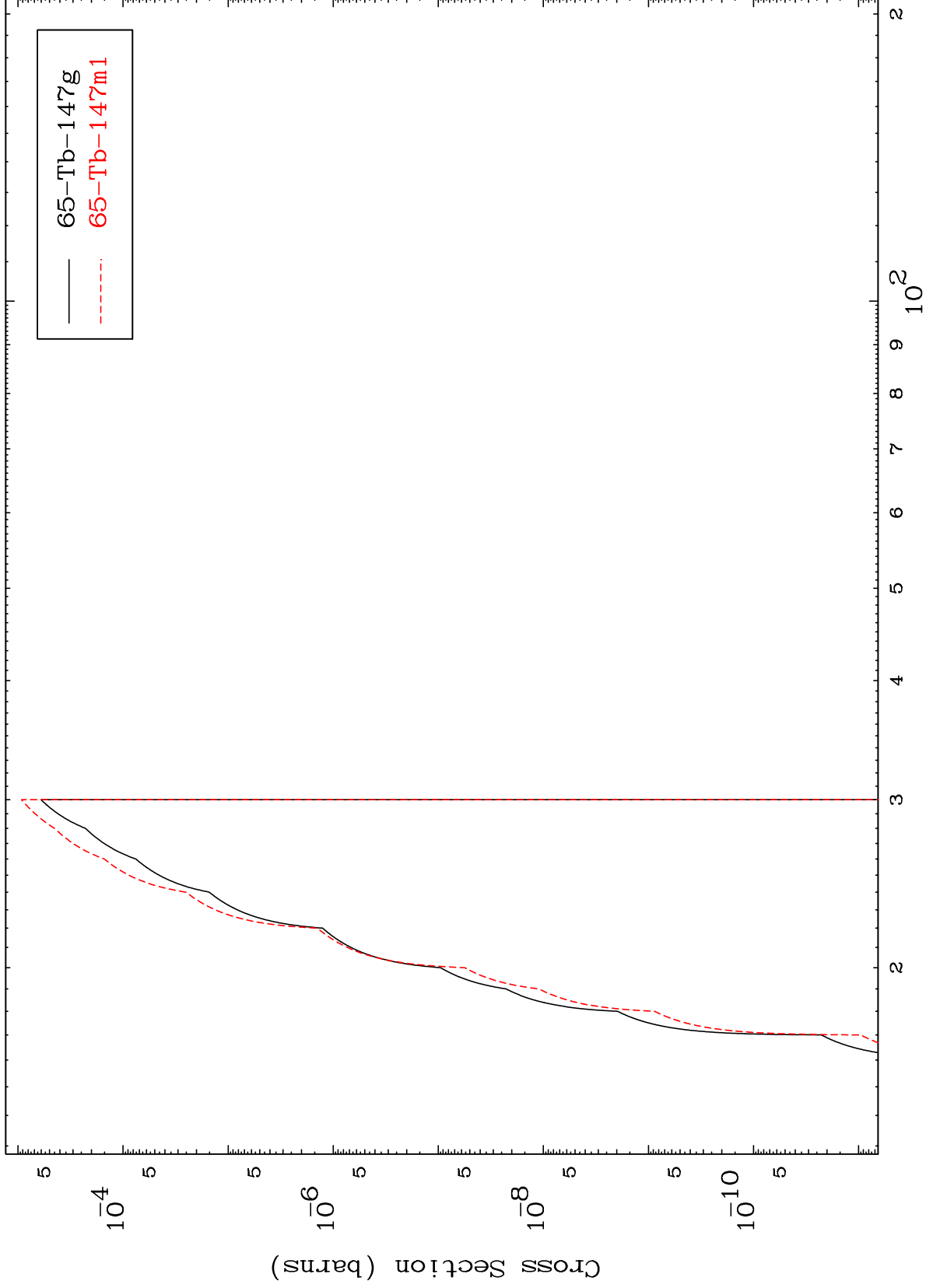
16

MAT 6404

(α, d)

64-Gd-145

Radionuclide Production Cross Section



17

Incident Energy (MeV)

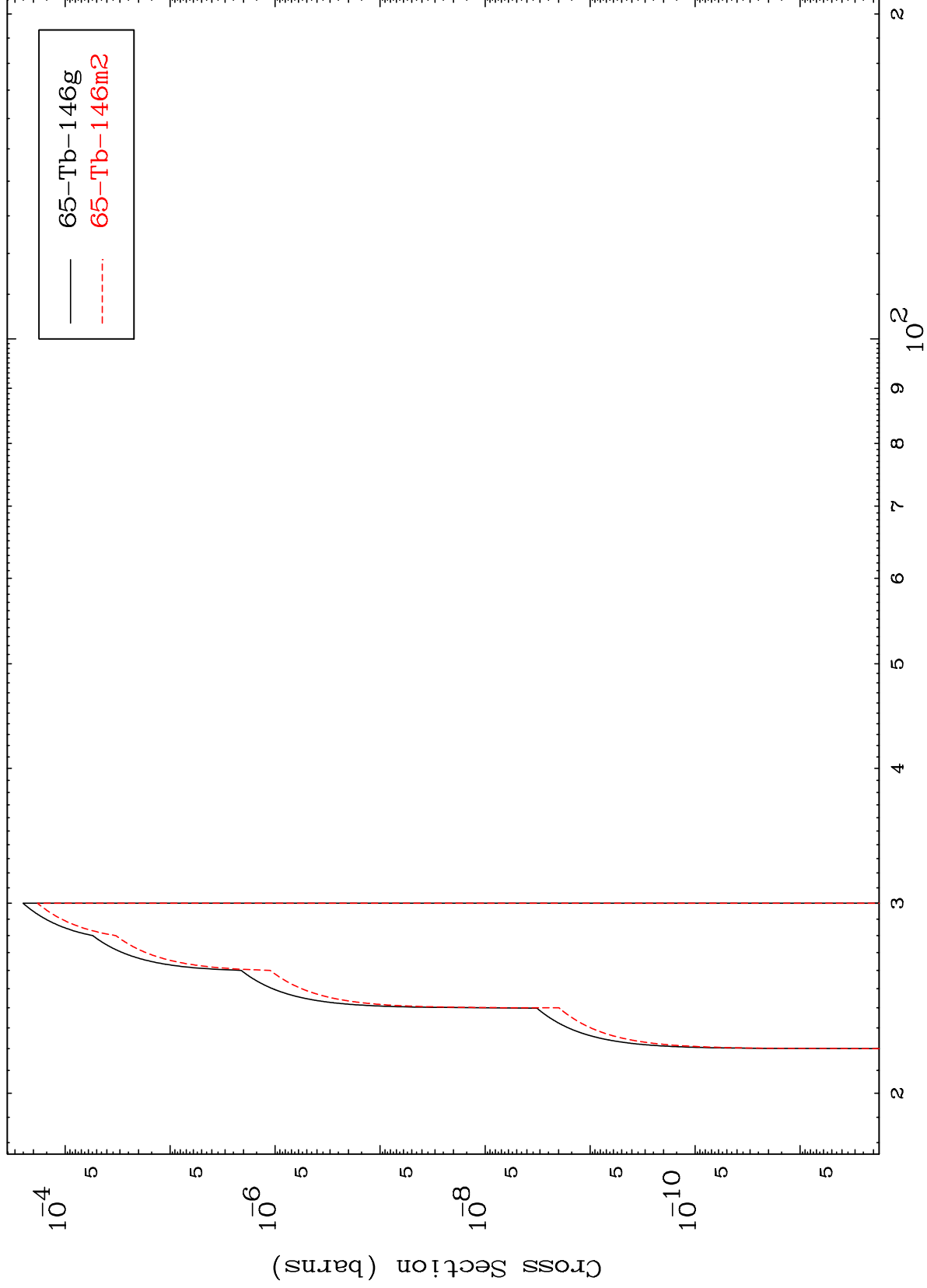
64-Gd-145

MAT 6404

(α, t)

64-Gd-145

Radionuclide Production Cross Section



18

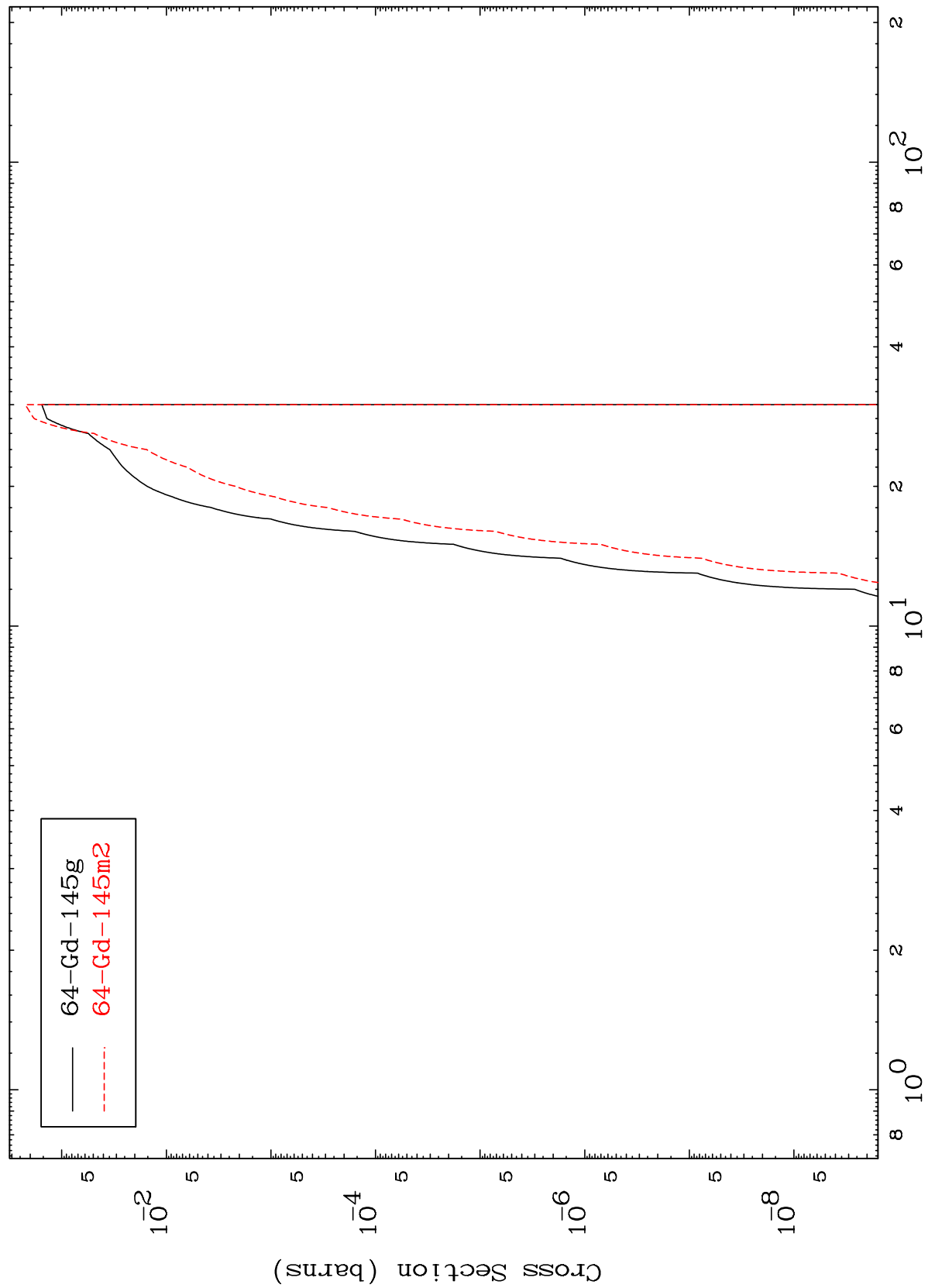
Incident Energy (MeV)

64-Gd-145

MAT 6404

64-Gd-145

Radionuclide Production Cross Section
(α, α)



64-Gd-145g
64-Gd-145m2

19

Incident Energy (MeV)

64-Gd-145

MAT 6404

64-Gd-145

($\alpha, 2\alpha$)

Radionuclide Production Cross Section

