

Program EVALPLOT
(Version 2018-1)

by

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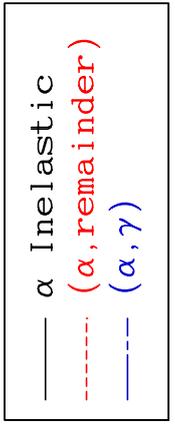
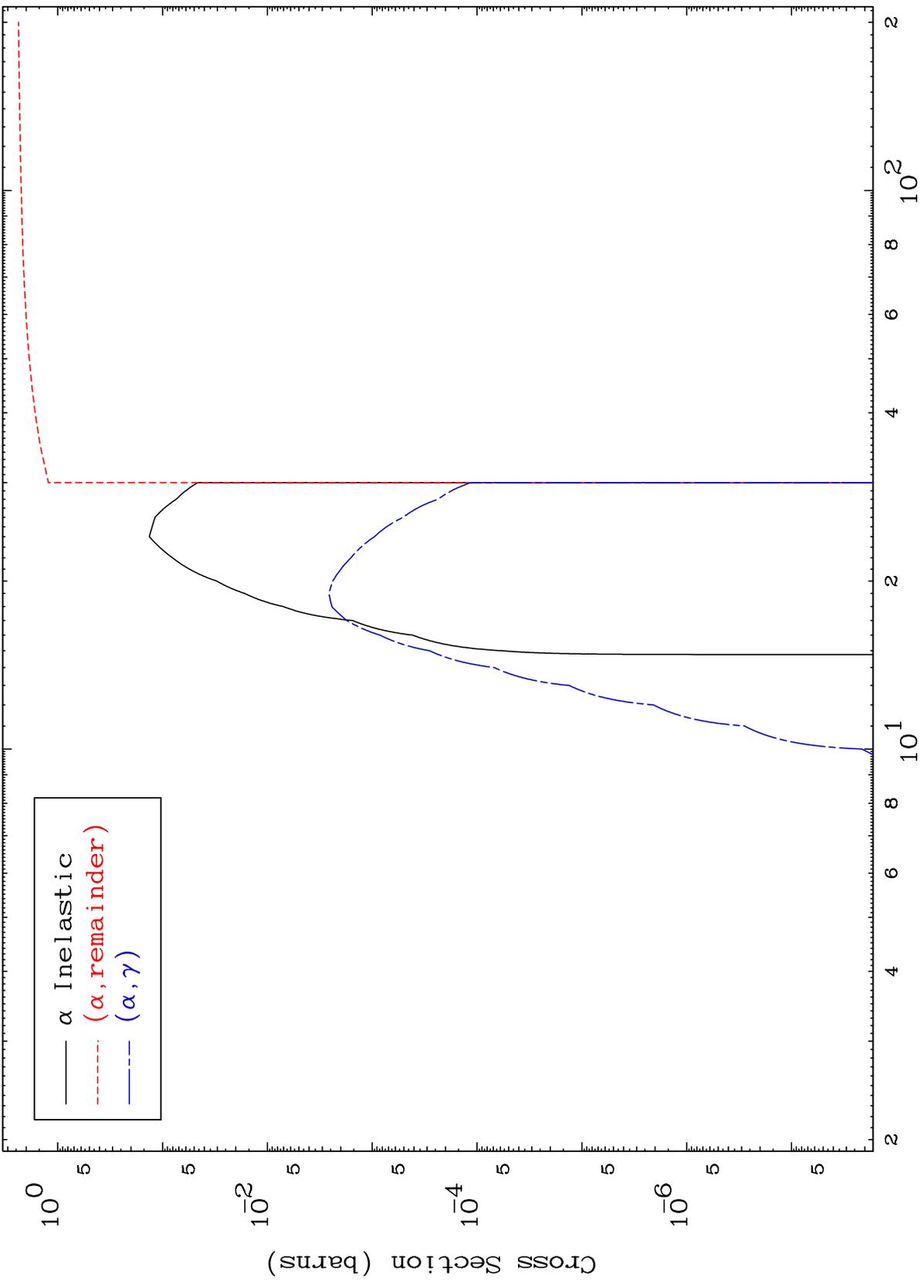
Press Mouse Button to Start

MAT 6395

α Major

64-Gd-142

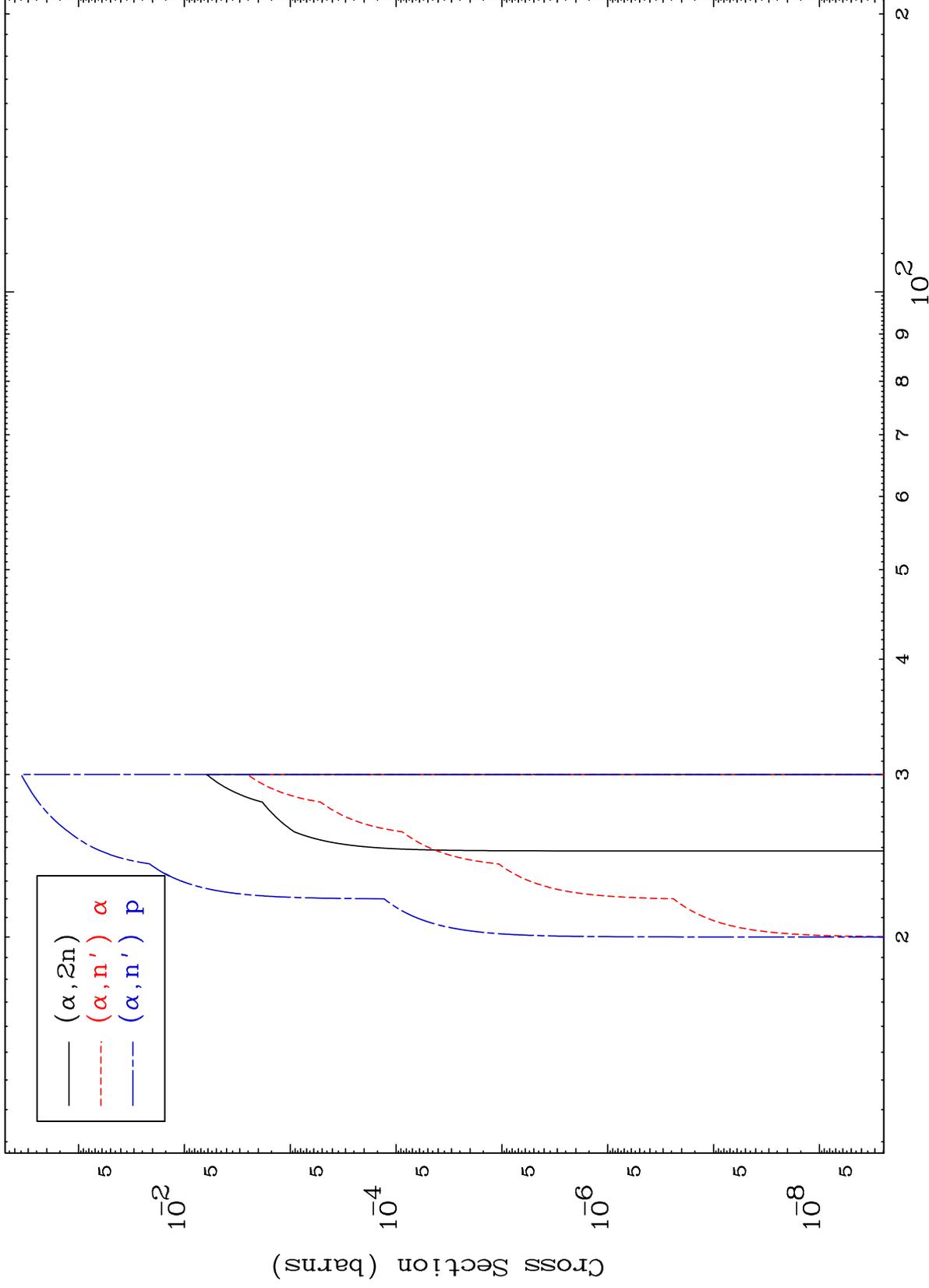
0 Kelvin Cross Sections



1

Incident Energy (MeV)

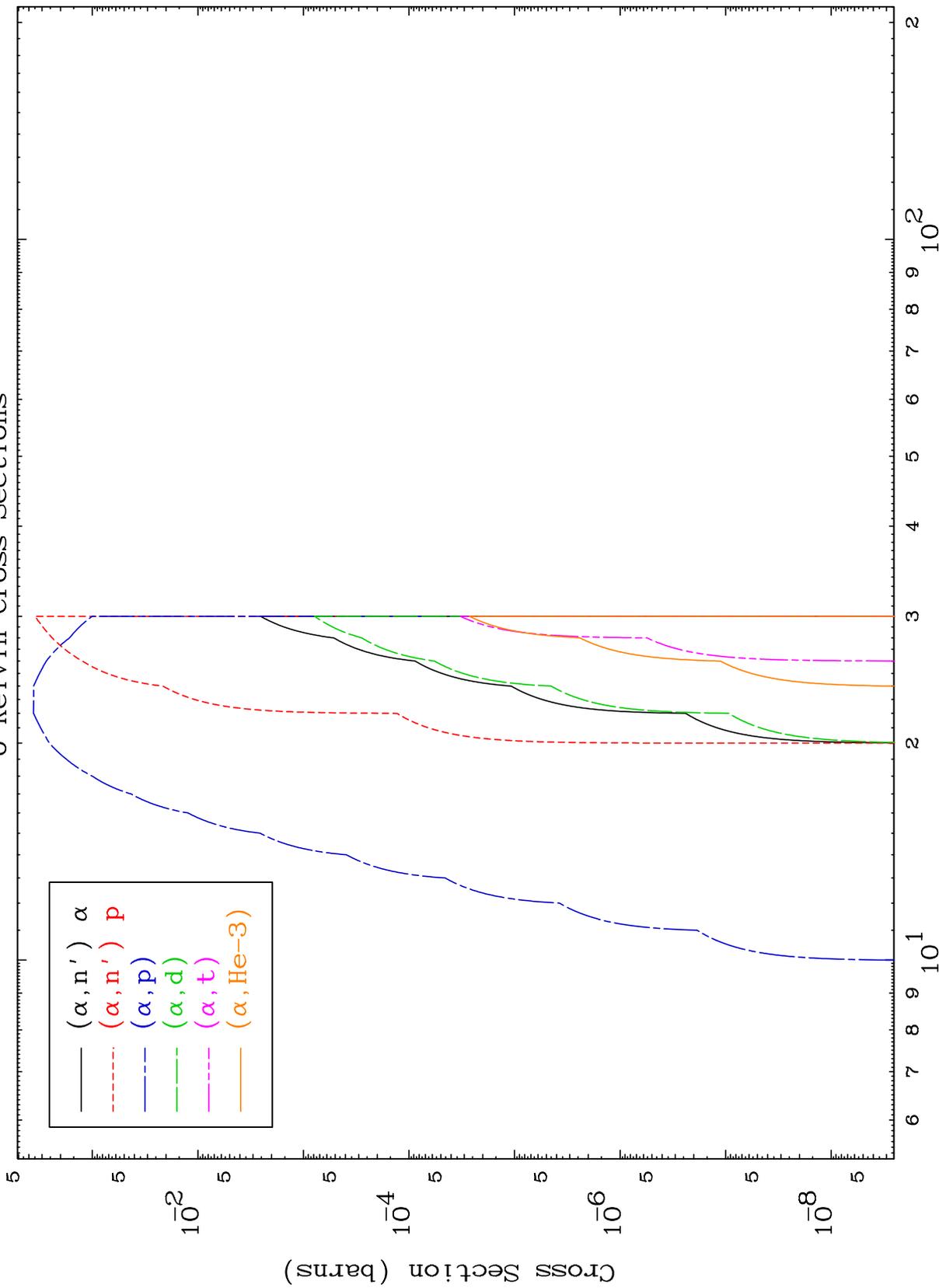
64-Gd-142



MAT 6395

α Charged Particle
0 Kelvin Cross Sections

64-Gd-142



3

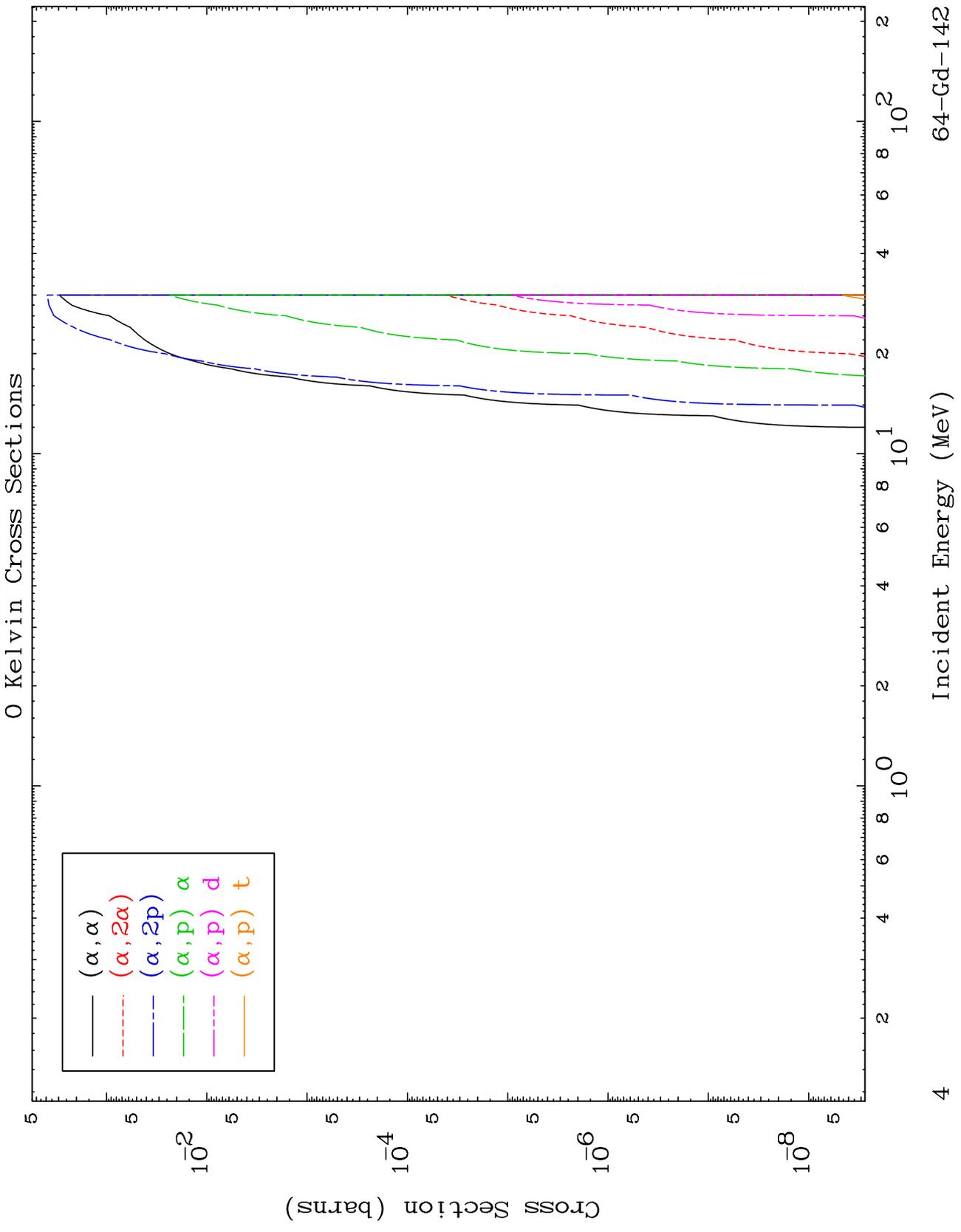
Incident Energy (MeV)

64-Gd-142

MAT 6395

α Charged Particle

64-Gd-142

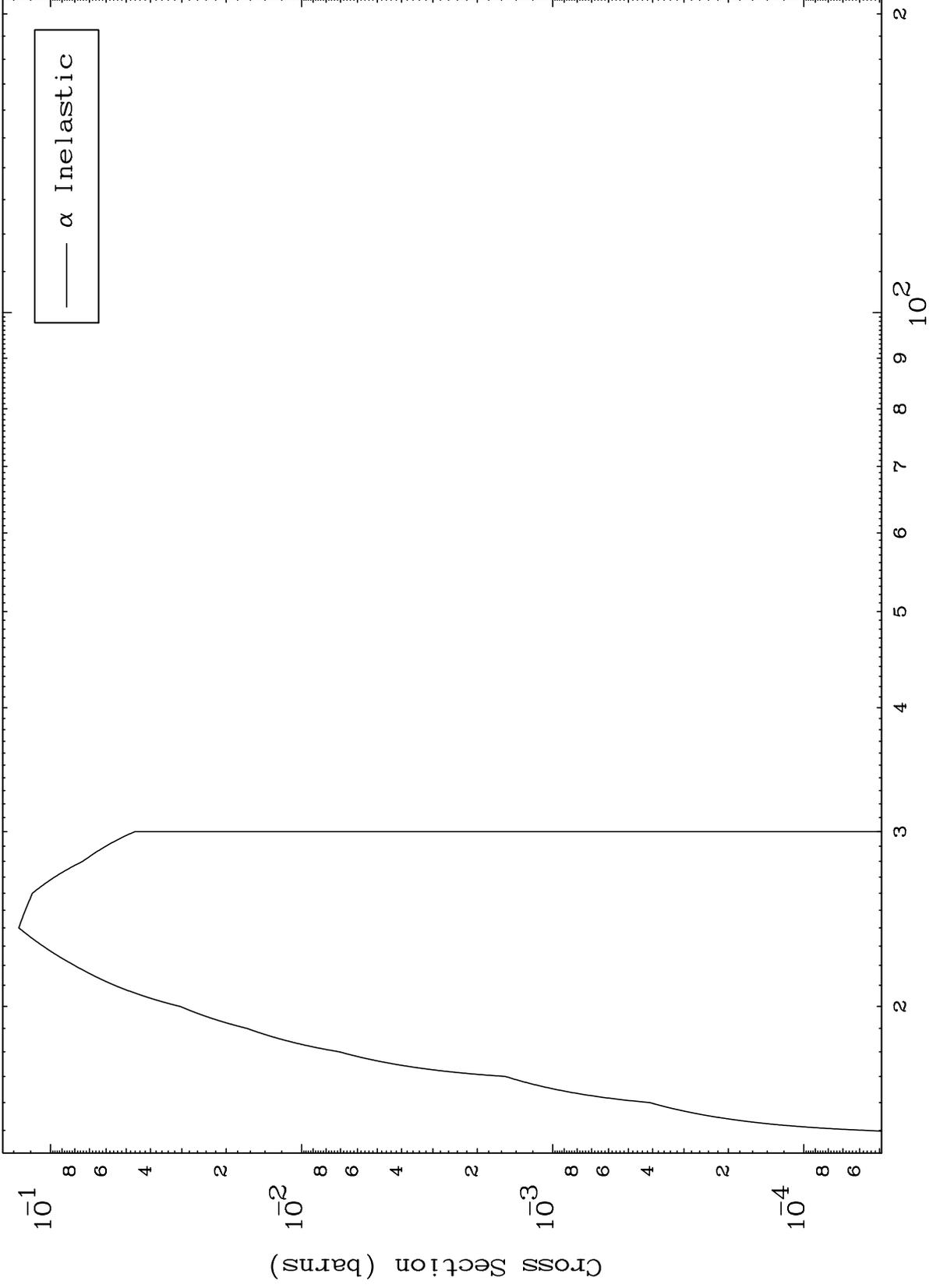


MAT 6395

(α, n') Level

64-Gd-142

0 Kelvin Cross Sections



5

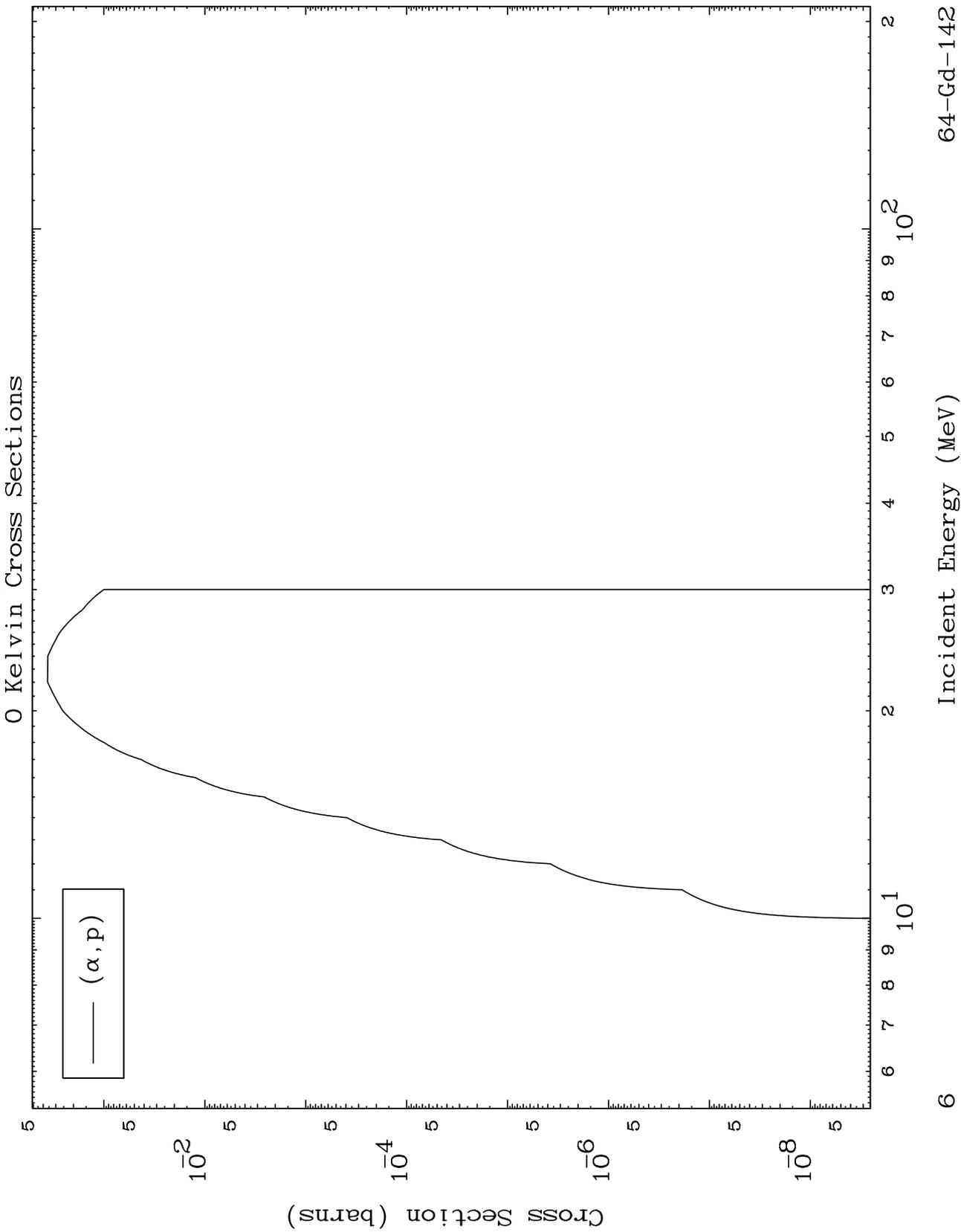
Incident Energy (MeV)

64-Gd-142

MAT 6395

(α, p) Levels

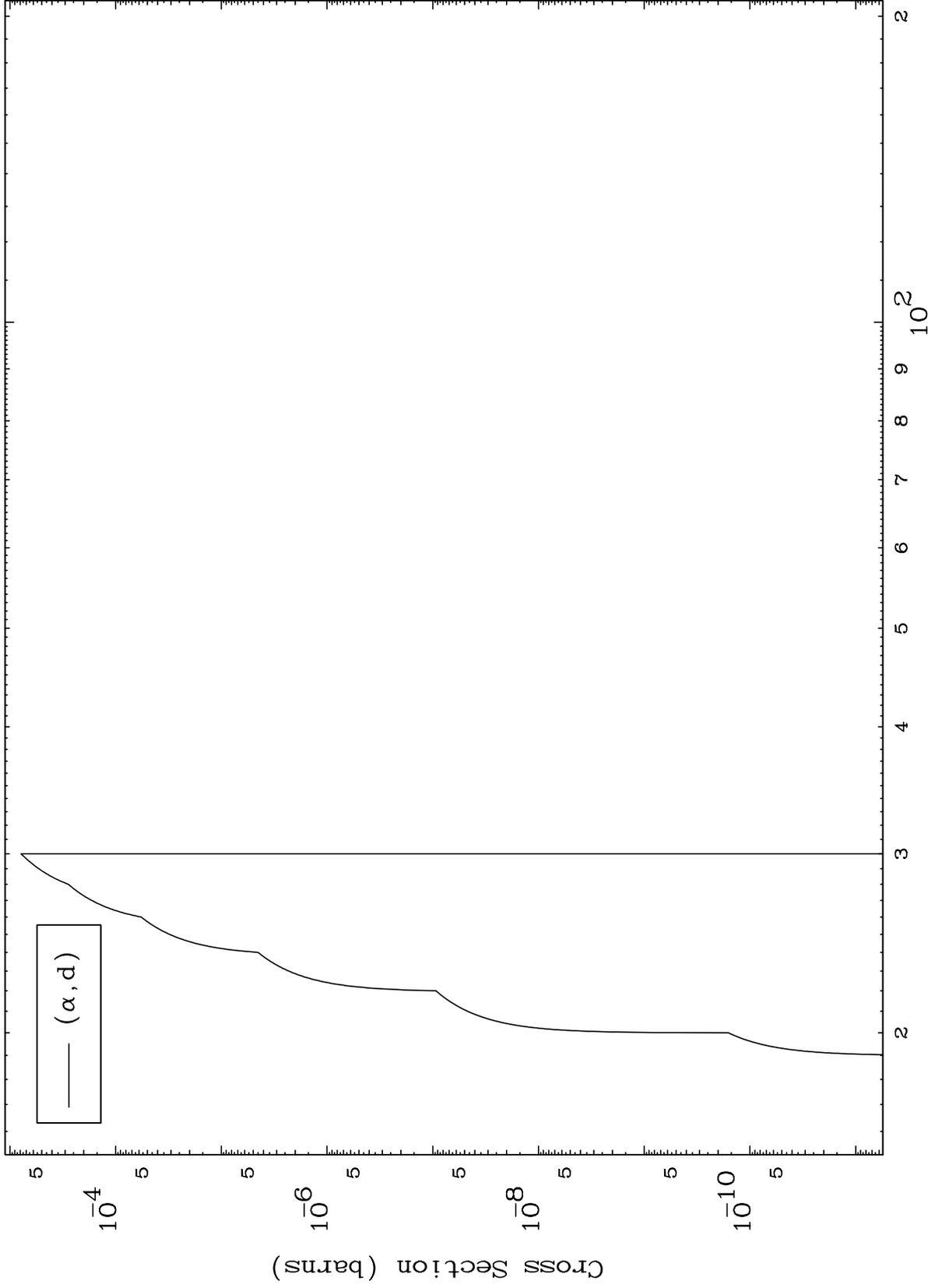
64-Gd-142



6

64-Gd-142

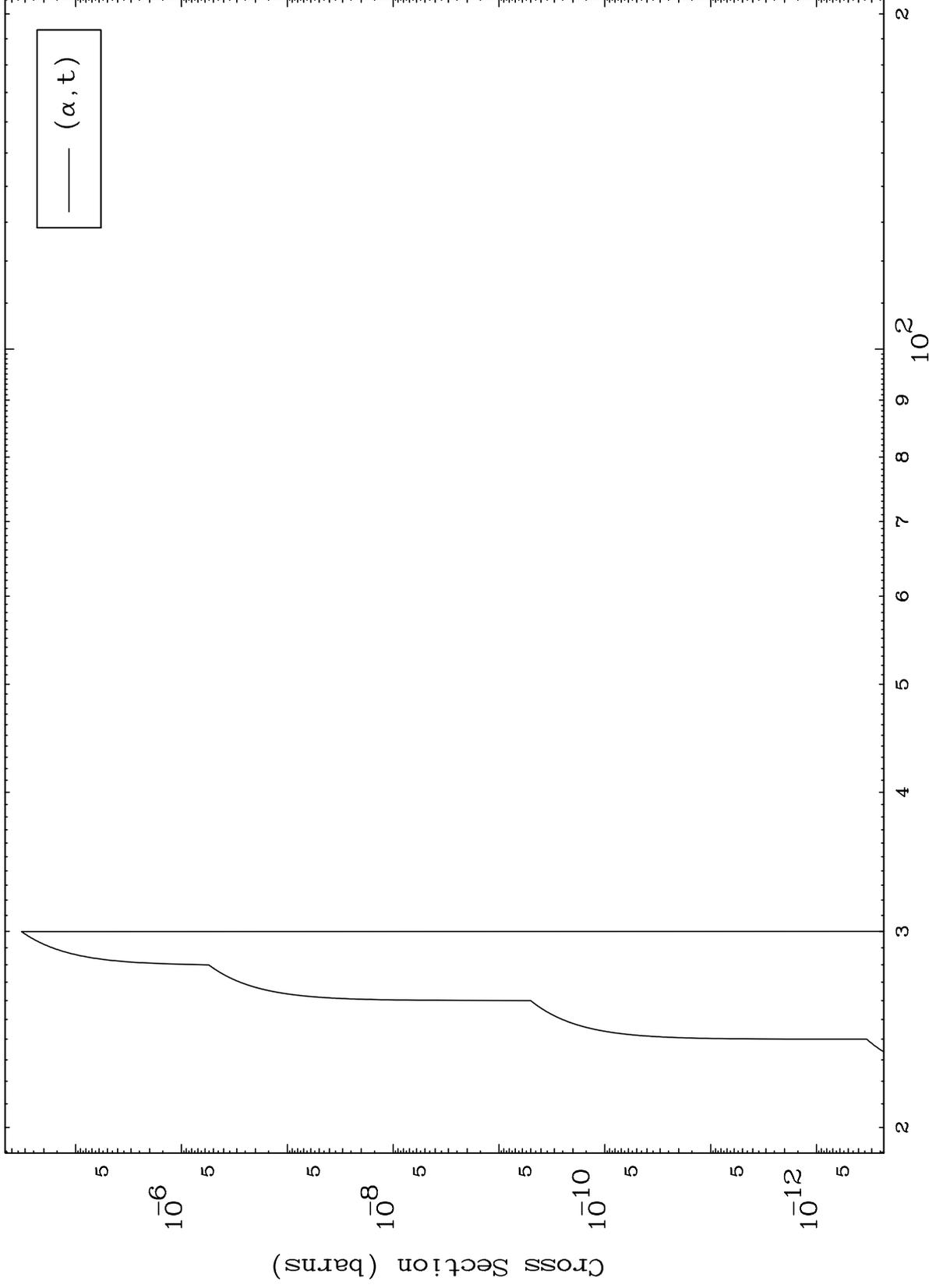
64-Gd-142



MAT 6395

(α, t) Levels
0 Kelvin Cross Sections

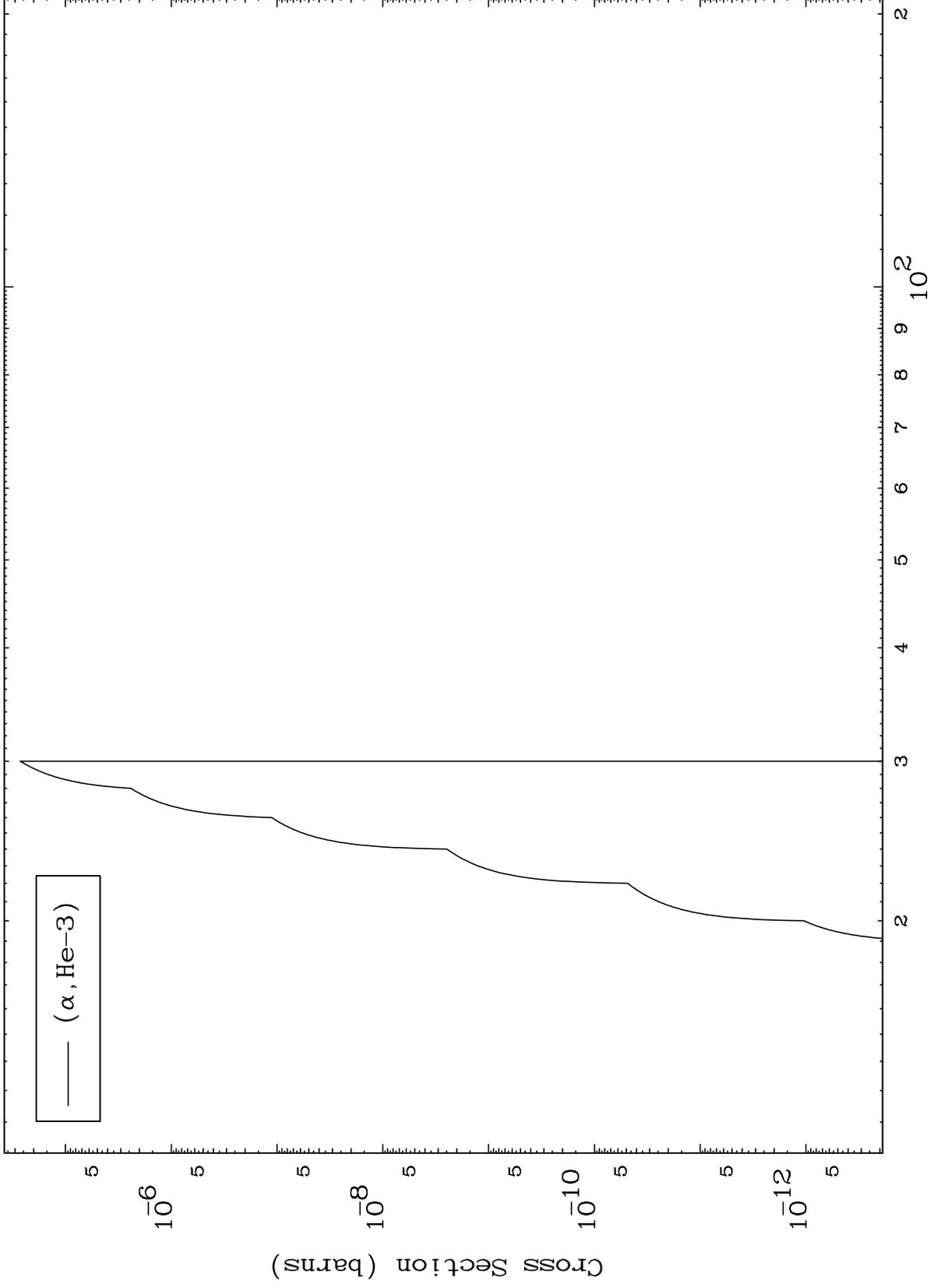
64-Gd-142



8

Incident Energy (MeV)

64-Gd-142

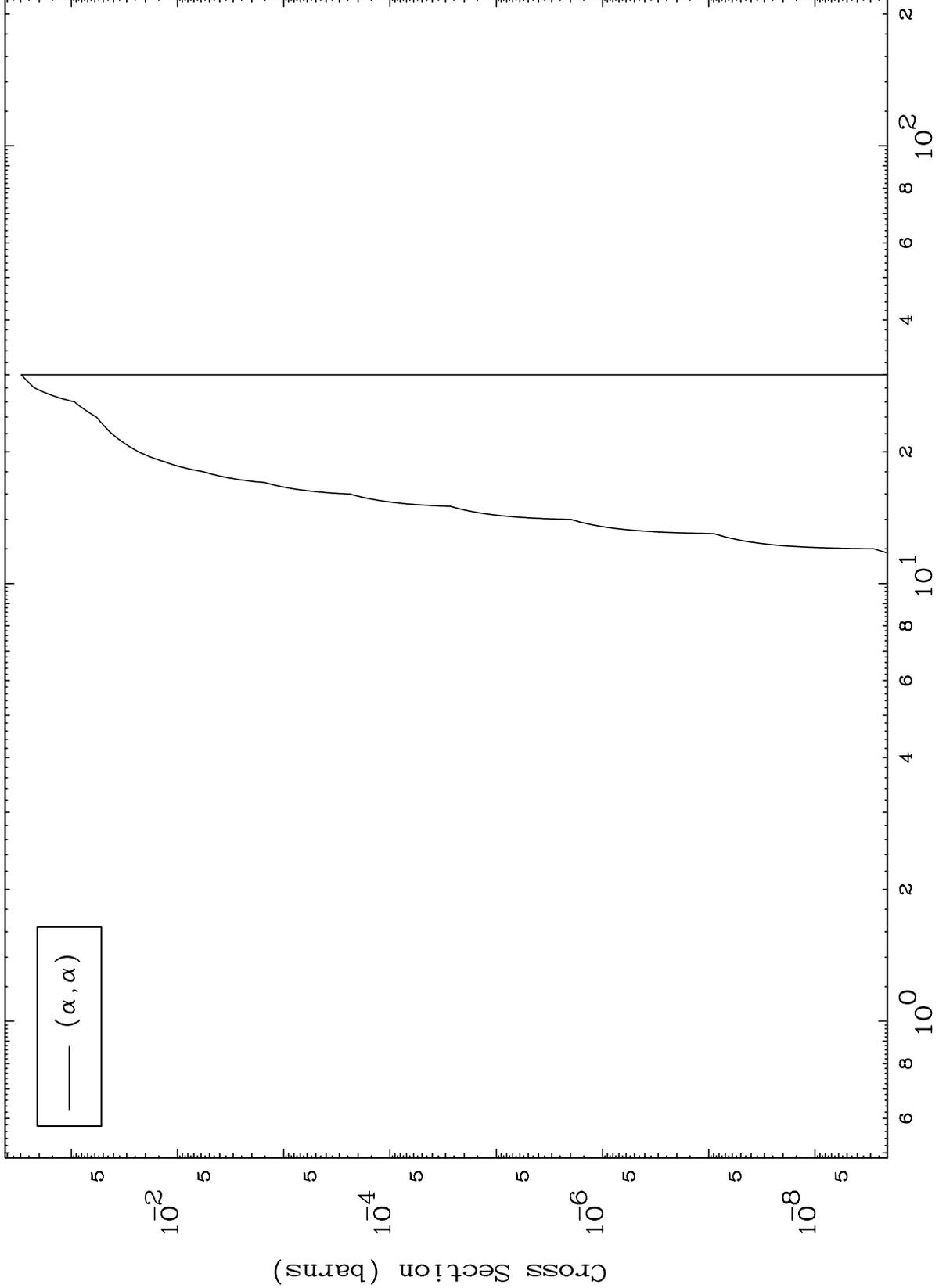


MAT 6395

(α, α) Levels

64-Gd-142

0 Kelvin Cross Sections

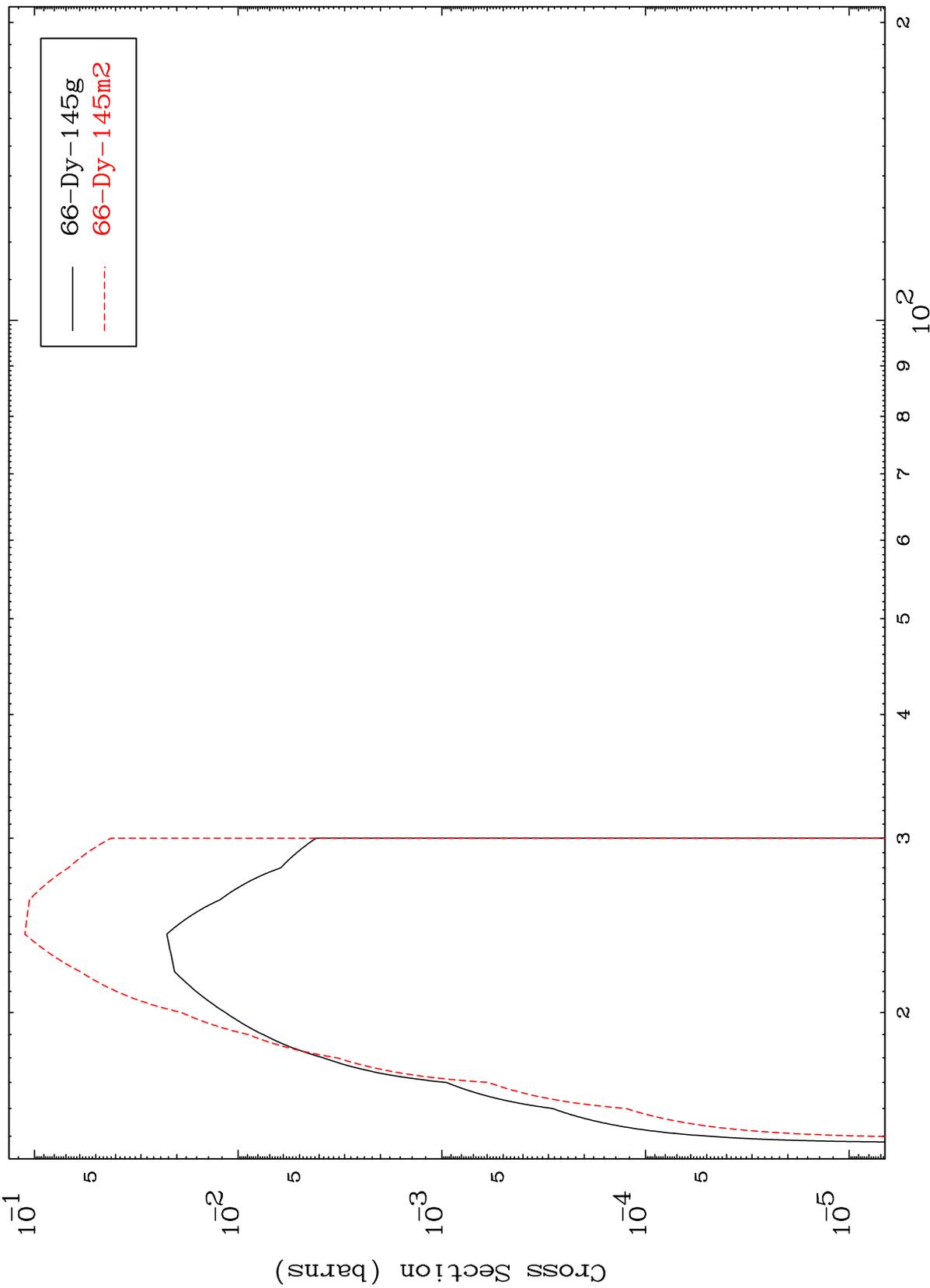


10

Incident Energy (MeV)

64-Gd-142

α Inelastic
Radionuclide Production Cross Section

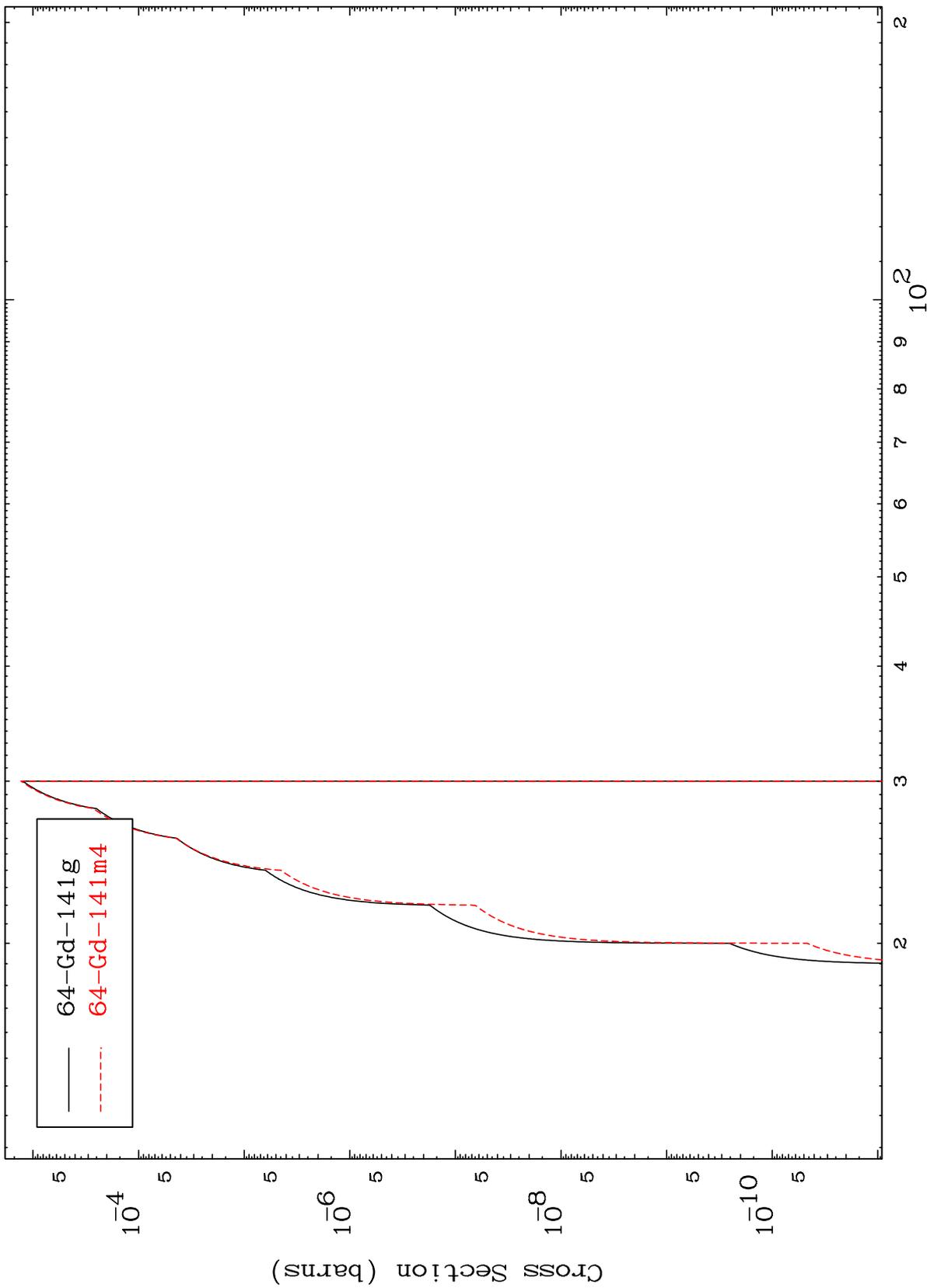


MAT 6395

(α, n') α

64-Gd-142

Radionuclide Production Cross Section



12

Incident Energy (MeV)

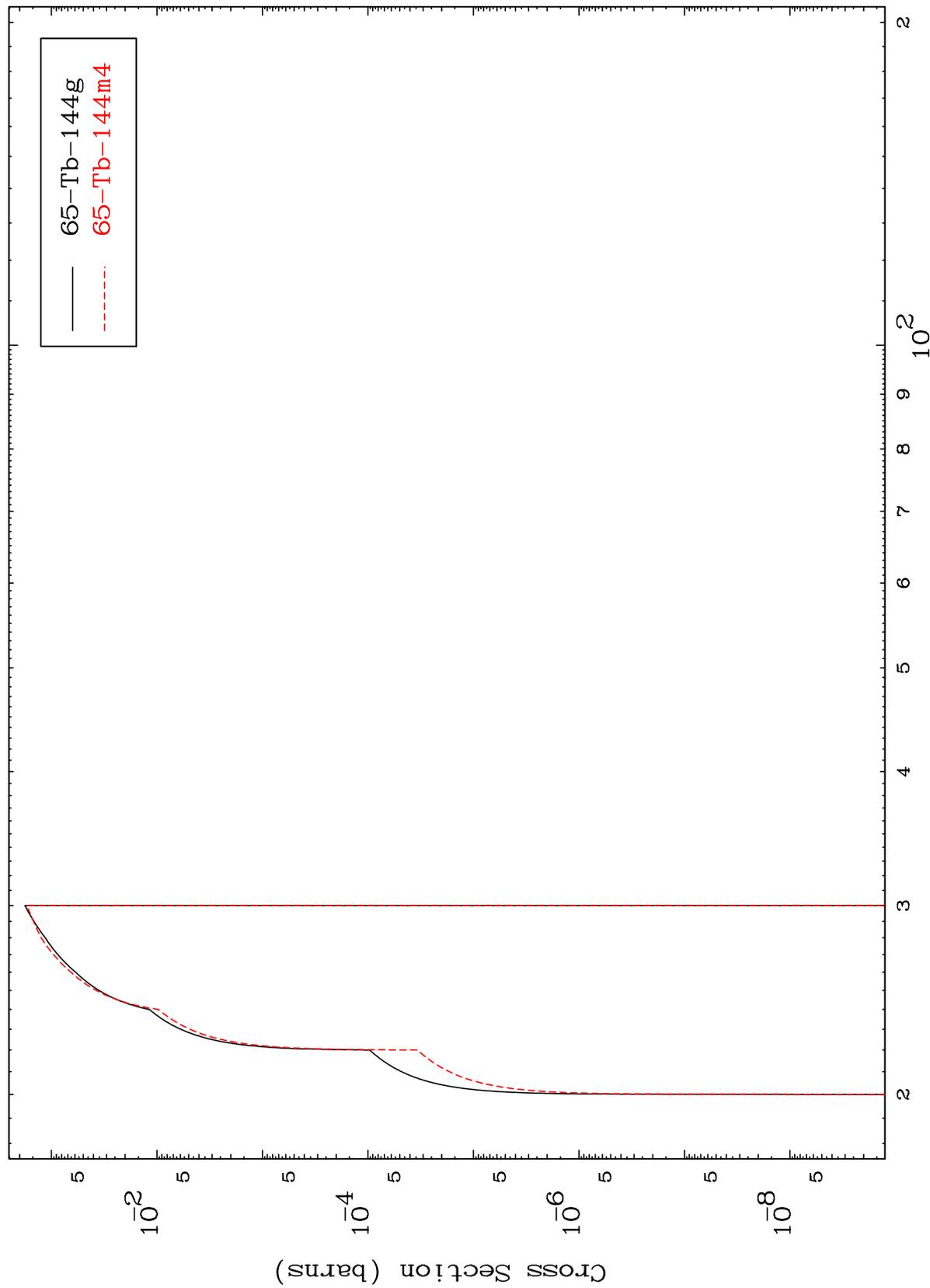
64-Gd-142

MAT 6395

(α, n') p

64-Gd-142

Radionuclide Production Cross Section



13

Incident Energy (MeV)

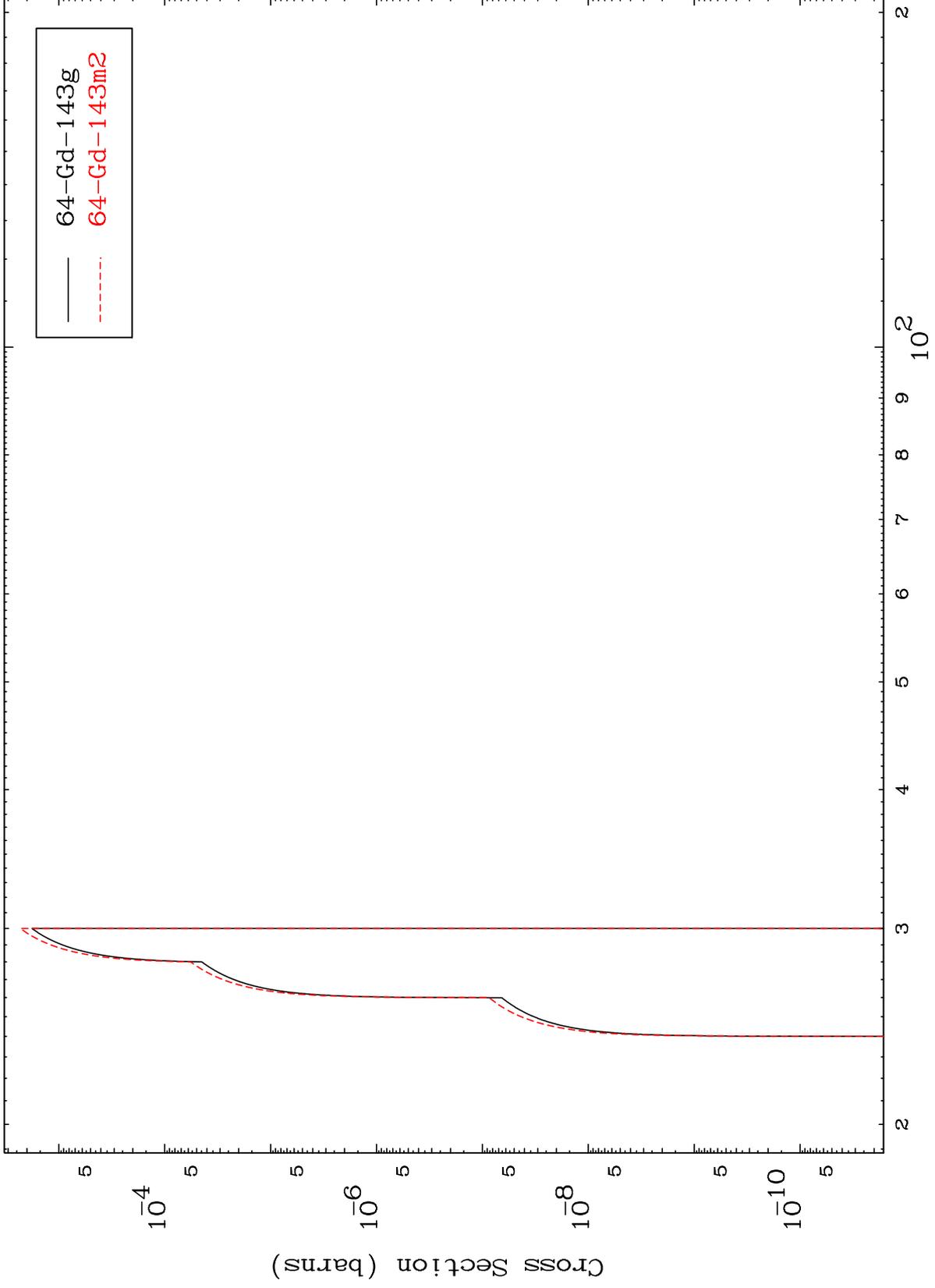
64-Gd-142

MAT 6395

$(\alpha, 2n)$ p

64-Gd-142

Radionuclide Production Cross Section



14

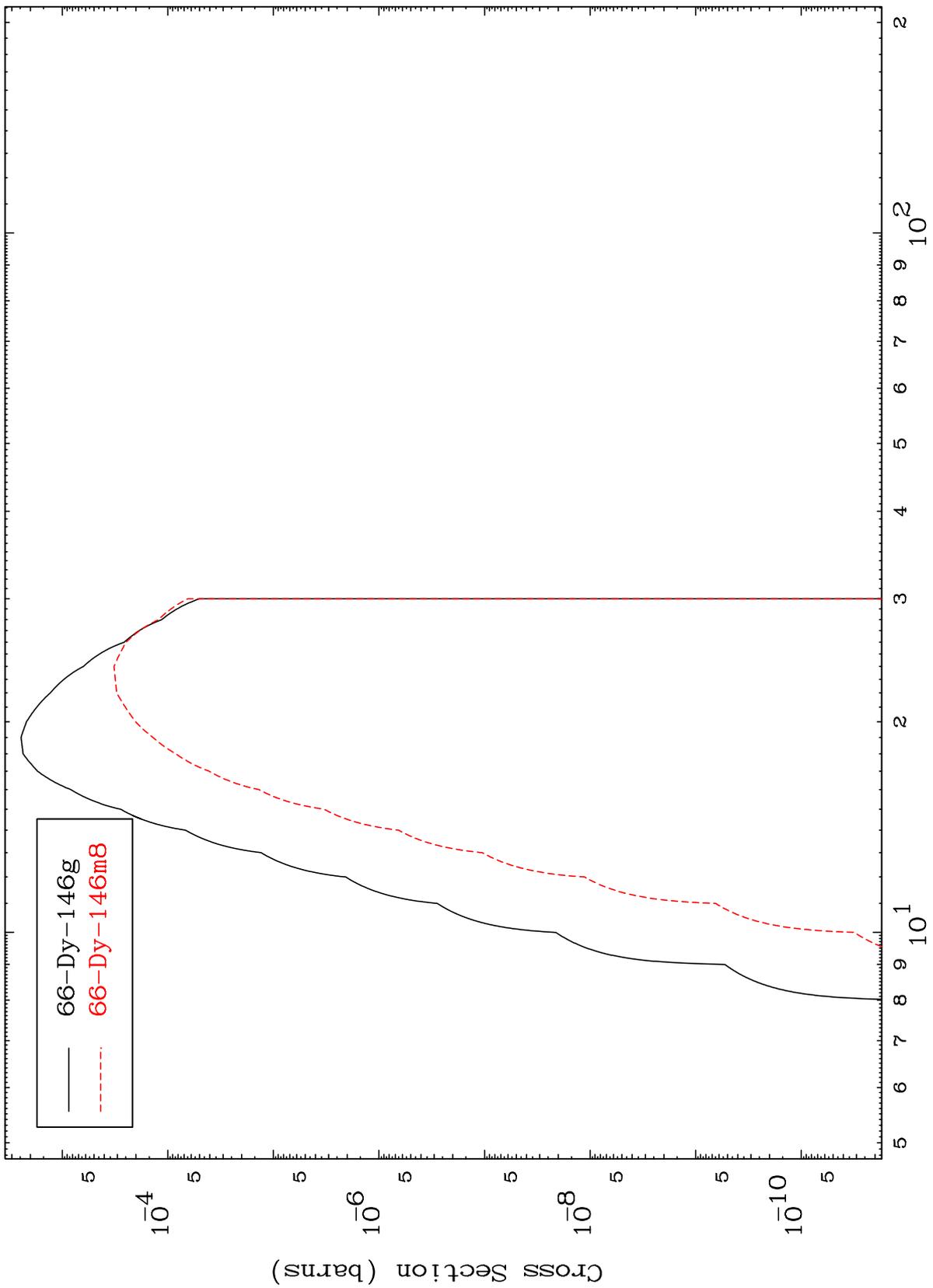
Incident Energy (MeV)

64-Gd-142

MAT 6395

64-Gd-142

(α, γ)
Radionuclide Production Cross Section



15

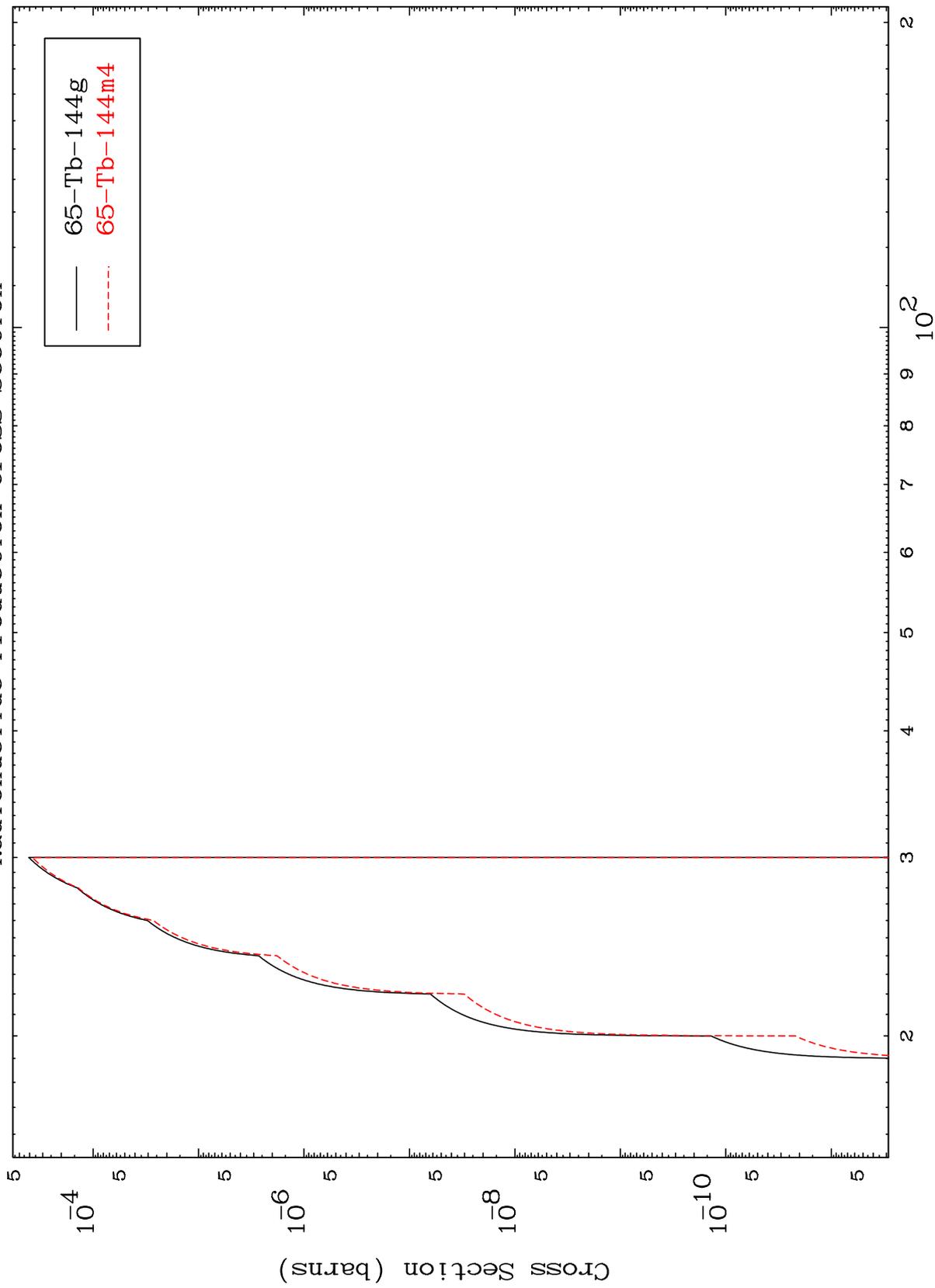
Incident Energy (MeV)

64-Gd-142

MAT 6395

64-Gd-142

(α, d)
Radionuclide Production Cross Section



16

Incident Energy (MeV)

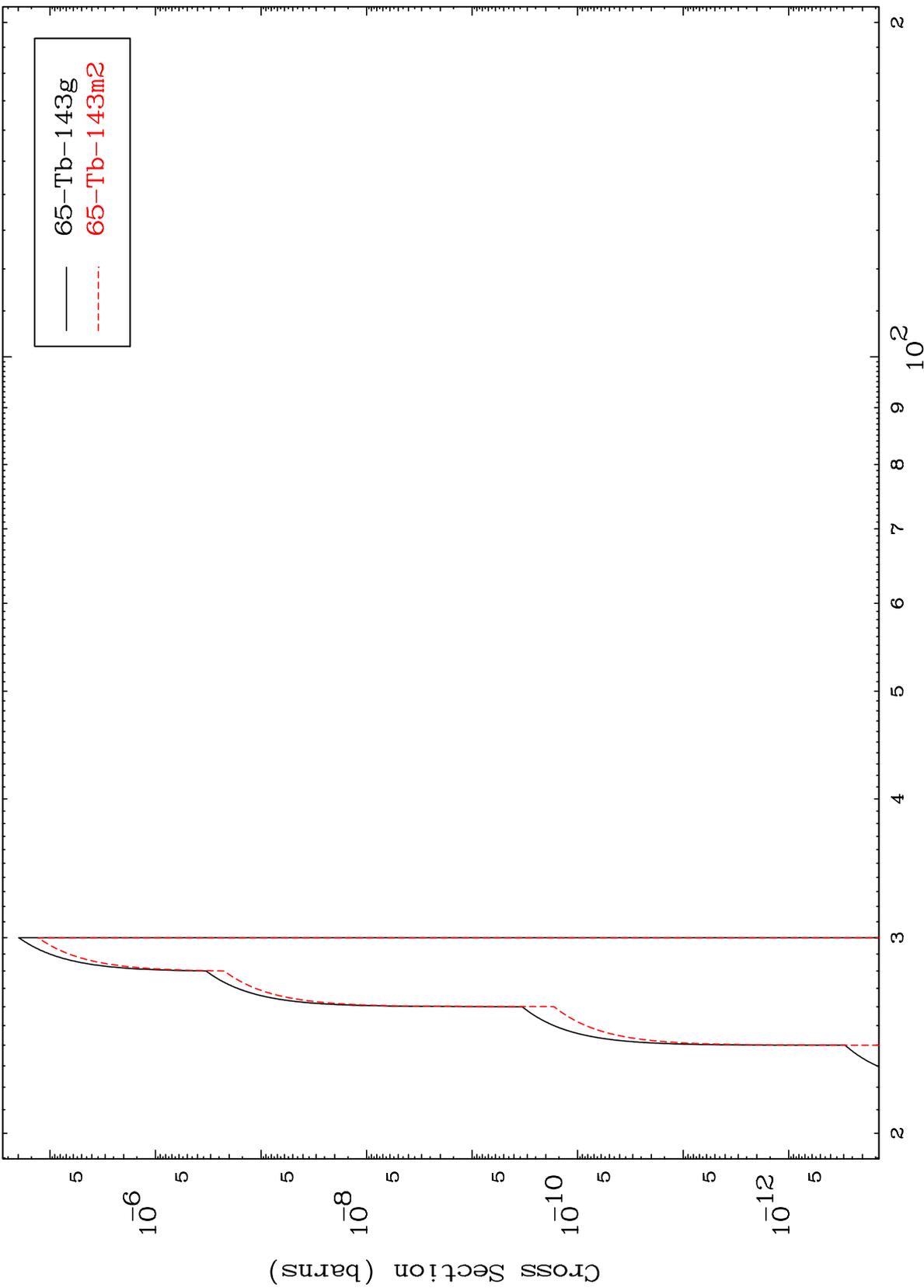
64-Gd-142

MAT 6395

(α, t)

64-Gd-142

Radionuclide Production Cross Section



17

Incident Energy (MeV)

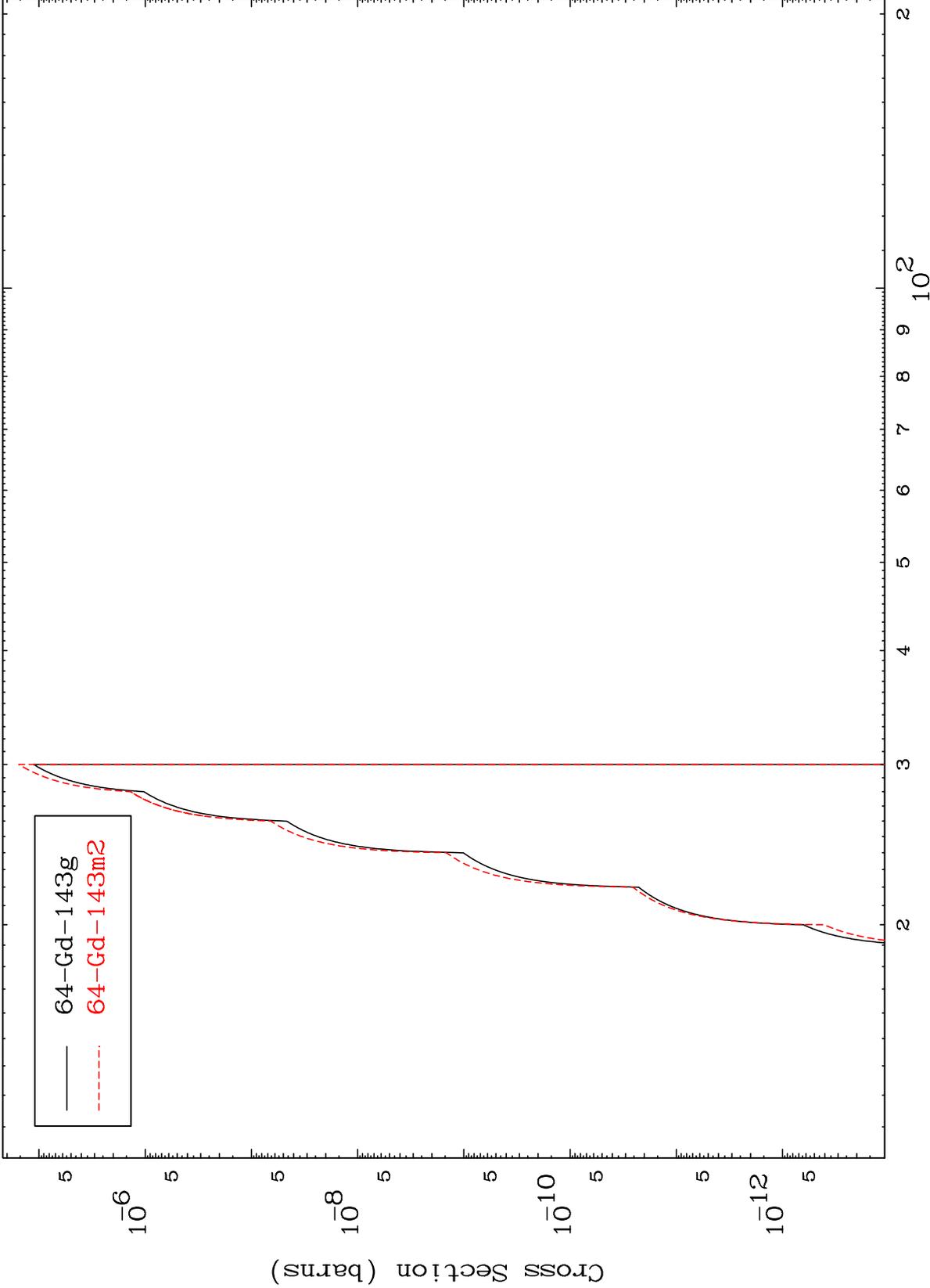
64-Gd-142

MAT 6395

($\alpha, \text{He-3}$)

64-Gd-142

Radionuclide Production Cross Section



18

Incident Energy (MeV)

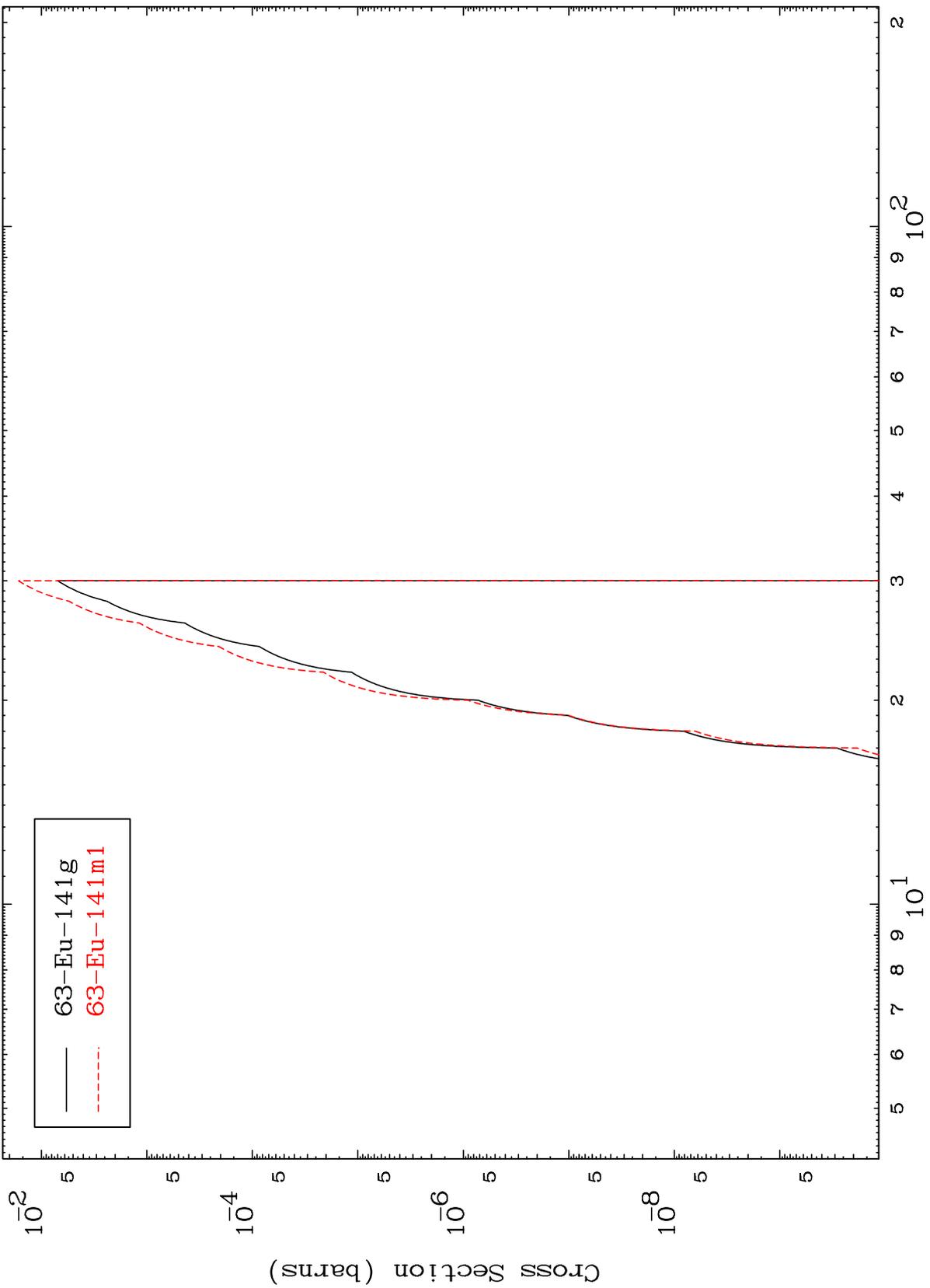
64-Gd-142

MAT 6395

(α, p) α

64-Gd-142

Radionuclide Production Cross Section



63-Eu-141g
63-Eu-141m1

19

Incident Energy (MeV)

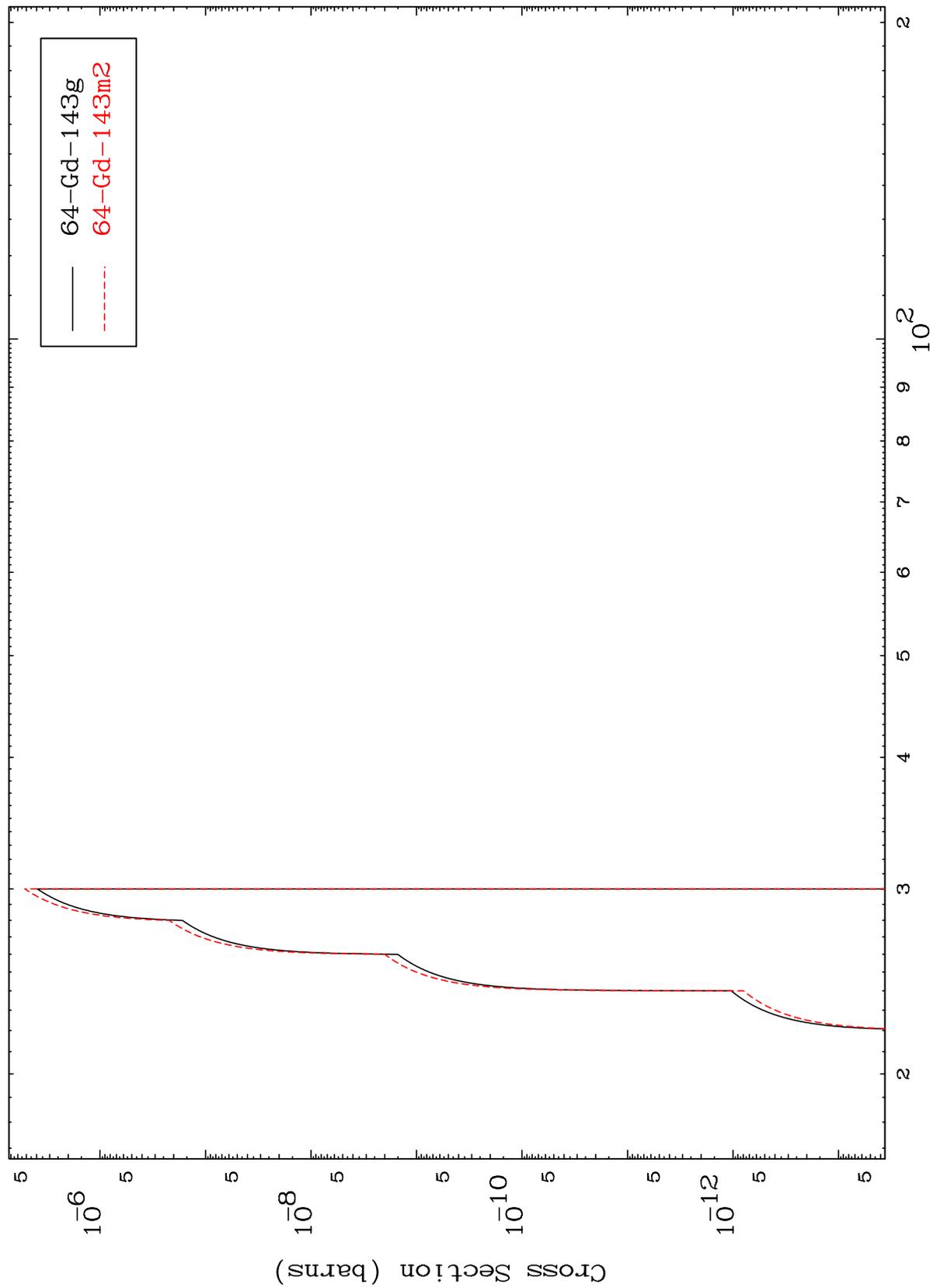
64-Gd-142

MAT 6395

(α, p) d

64-Gd-142

Radionuclide Production Cross Section



20

Incident Energy (MeV)

64-Gd-142