

Program EVALPLOT
(Version 2018-1)

by

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(Present Contact Information)

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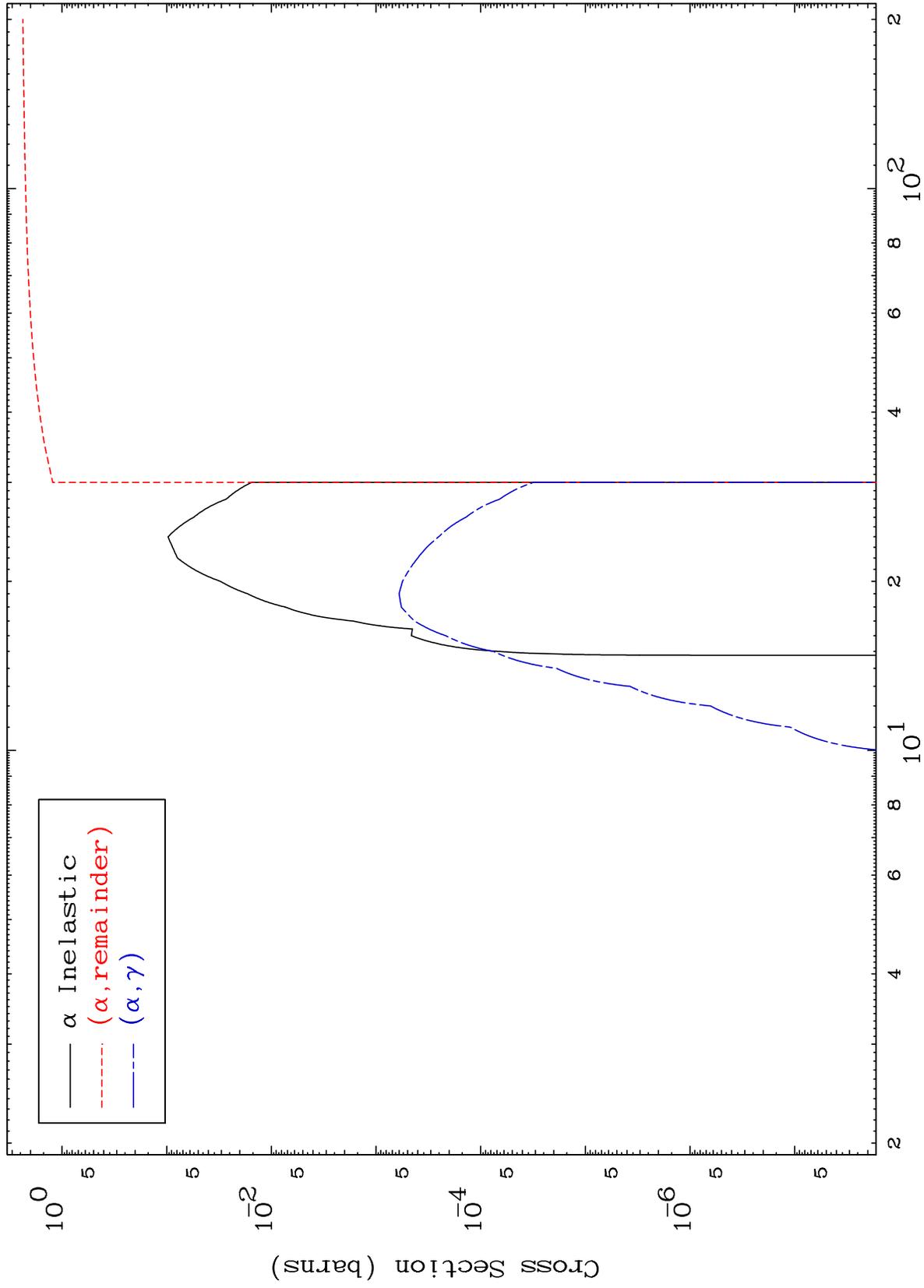
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6395

0 Kelvin α Major

64-Gd-142



1

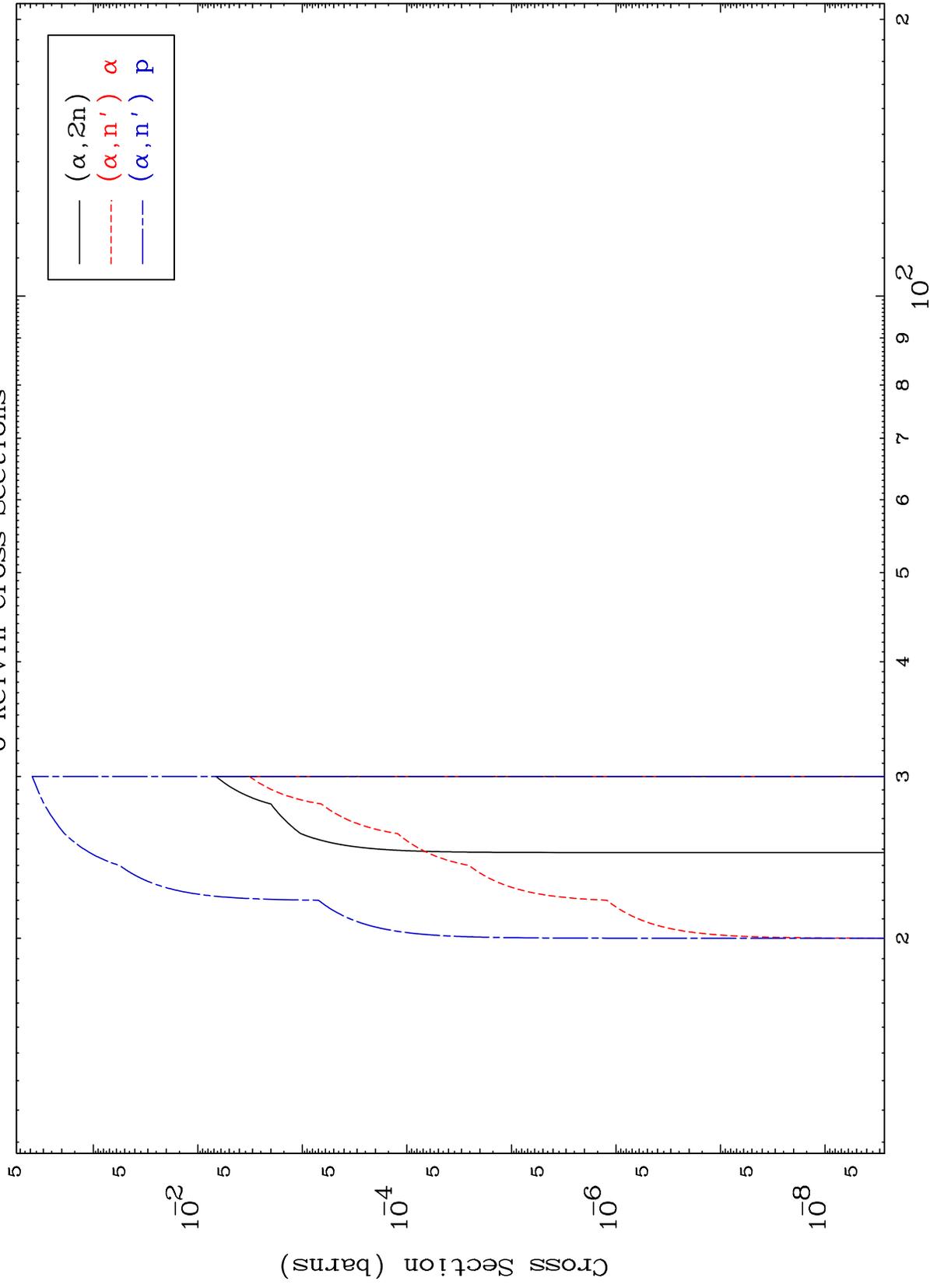
Incident Energy (MeV)

64-Gd-142

MAT 6395

α Neutron Production
0 Kelvin Cross Sections

64-Gd-142



2

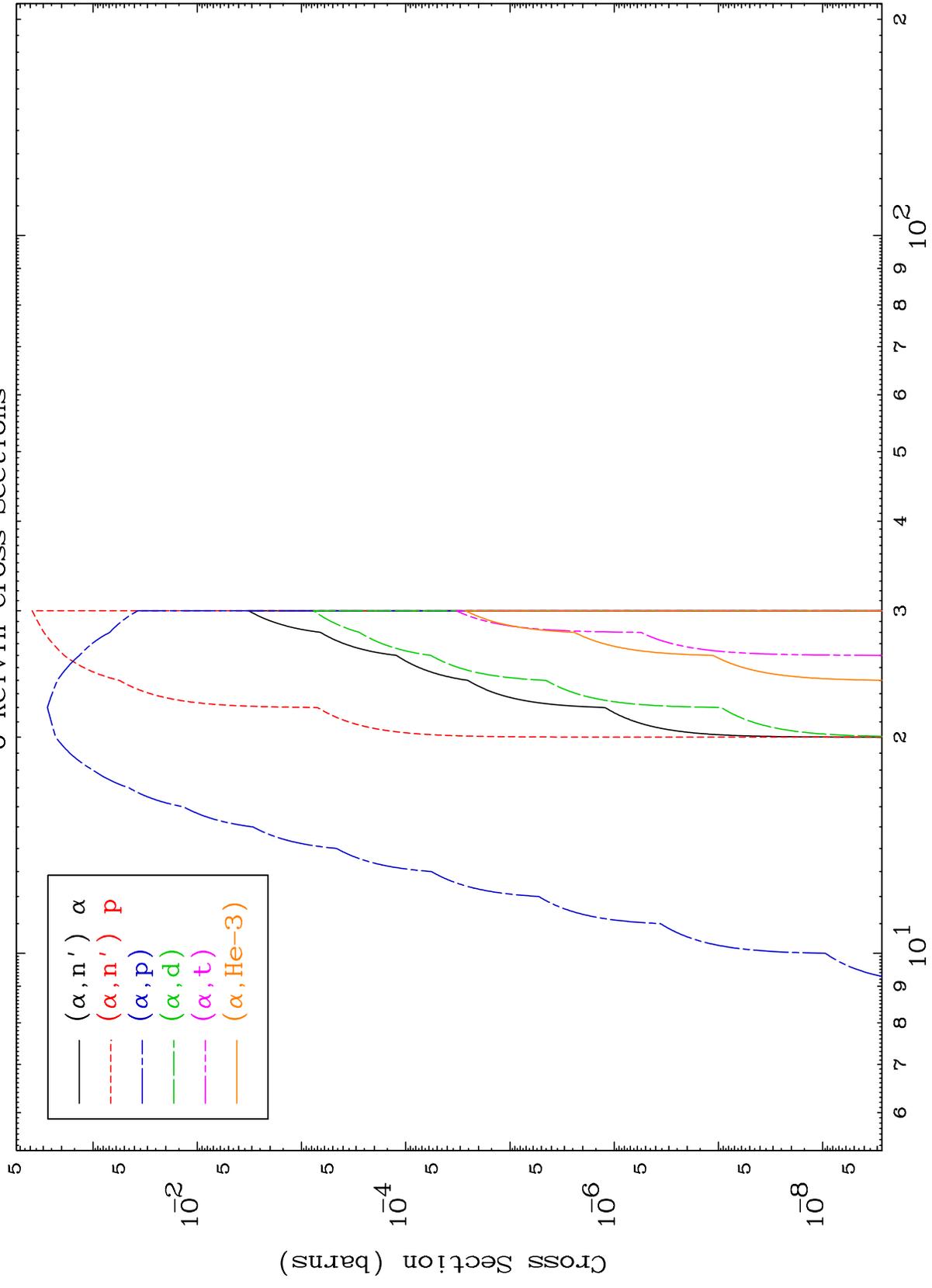
Incident Energy (MeV)

64-Gd-142

MAT 6395

α Charged Particle
0 Kelvin Cross Sections

64-Gd-142



3

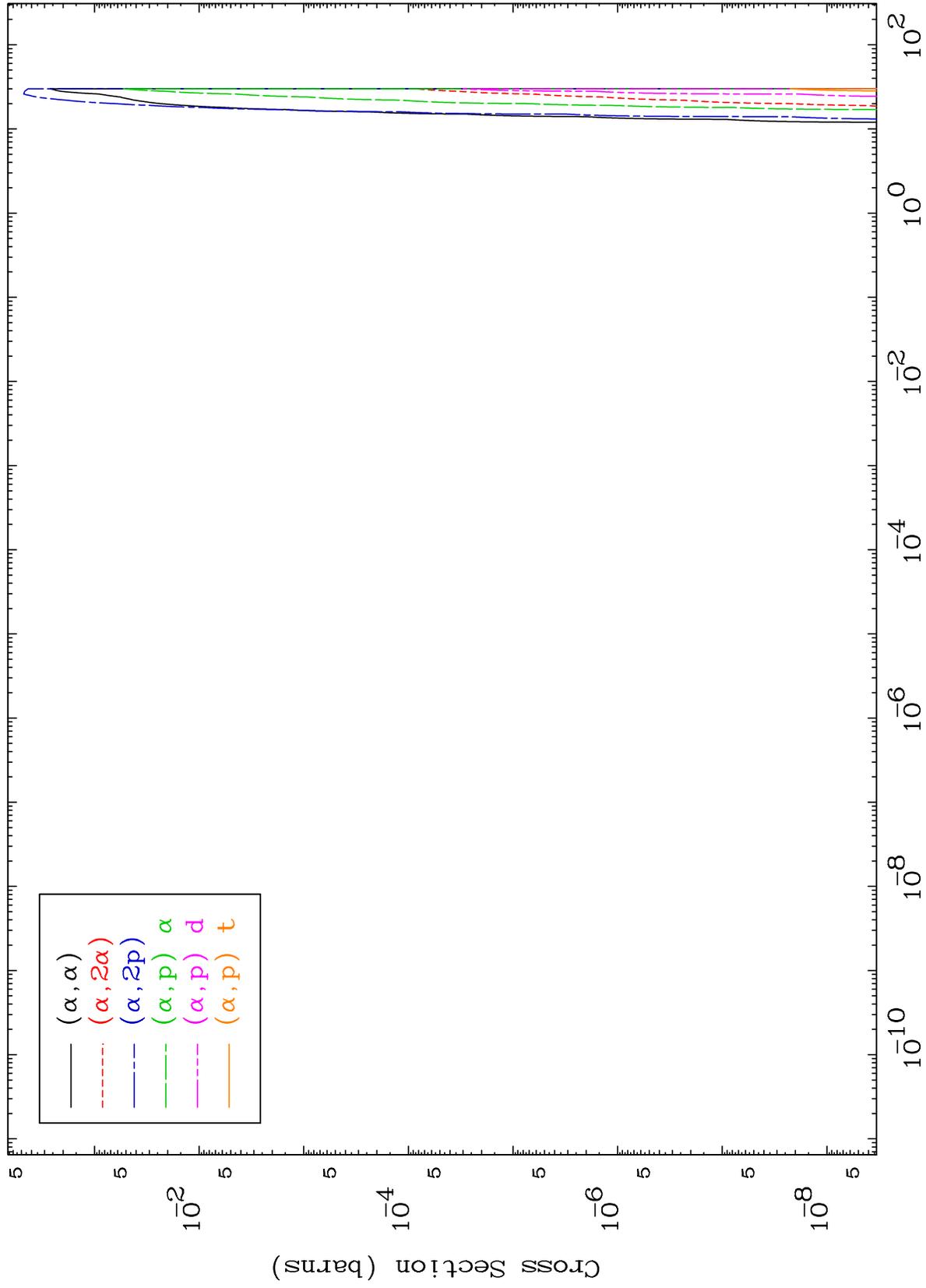
Incident Energy (MeV)

64-Gd-142

MAT 6395

α Charged Particle
0 Kelvin Cross Sections

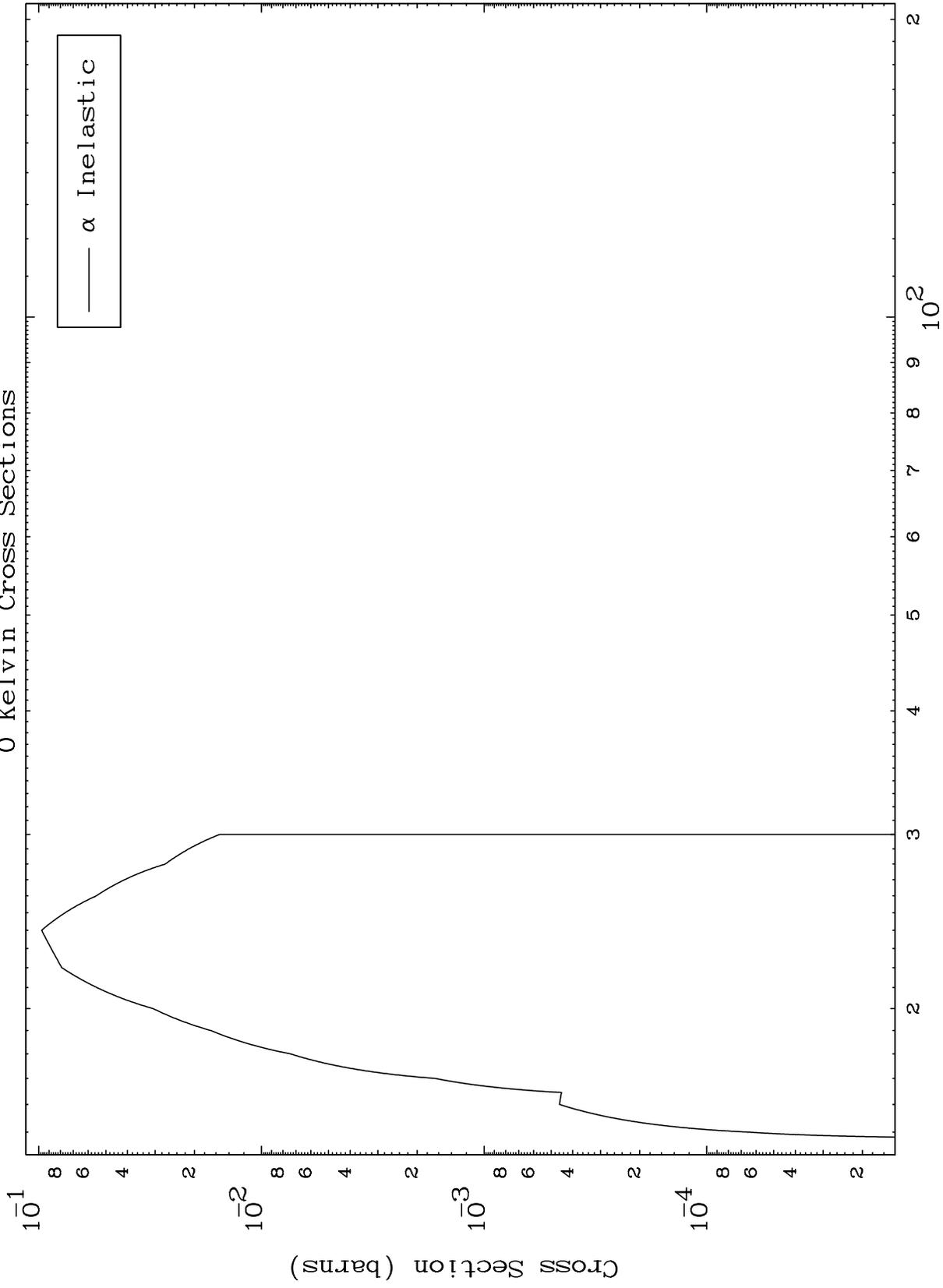
64-Gd-142



MAT 6395

(α, n') Level
0 Kelvin Cross Sections

64-Gd-142



5

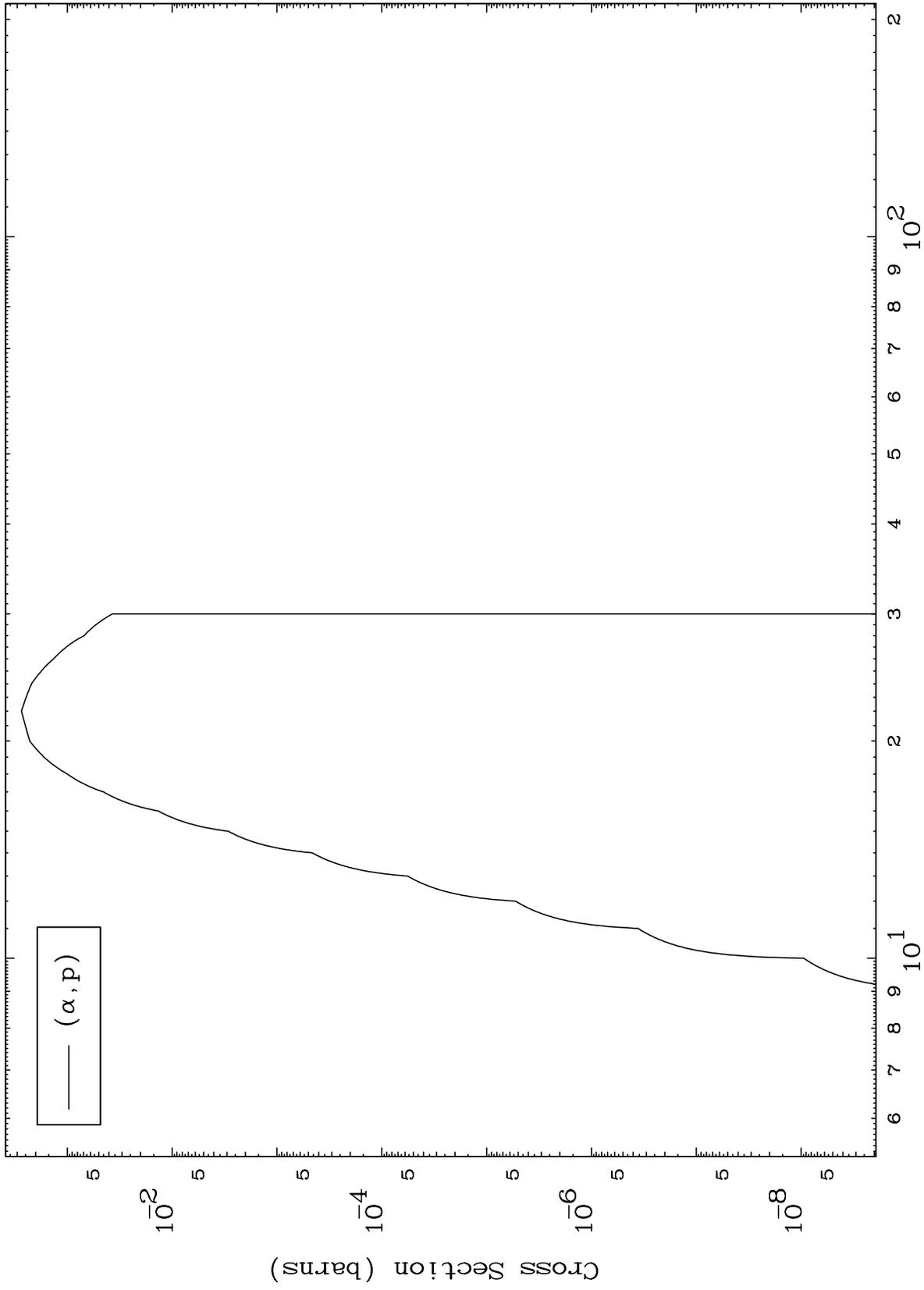
Incident Energy (MeV)

64-Gd-142

MAT 6395

(α, p) Levels
0 Kelvin Cross Sections

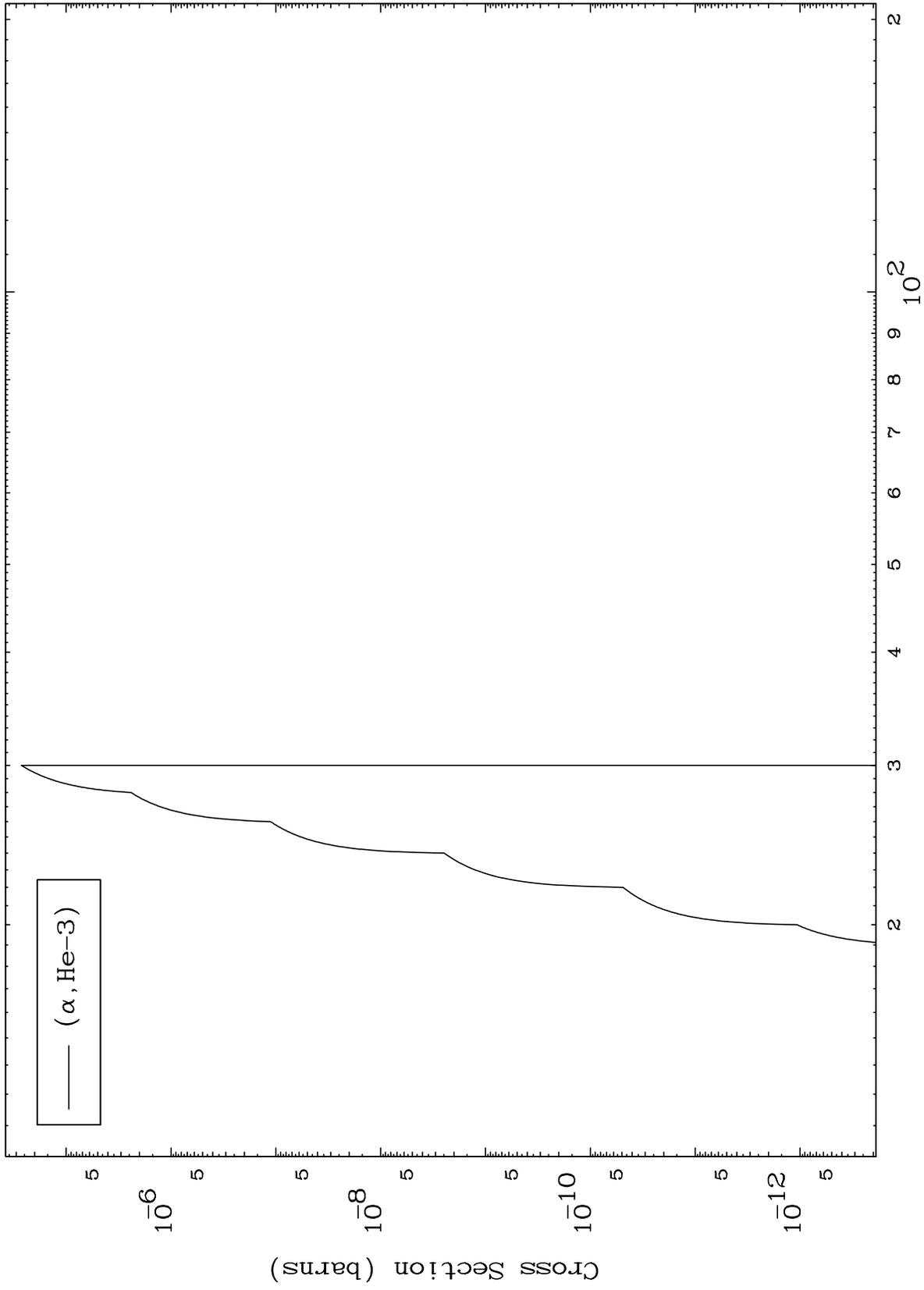
64-Gd-142



6

Incident Energy (MeV)

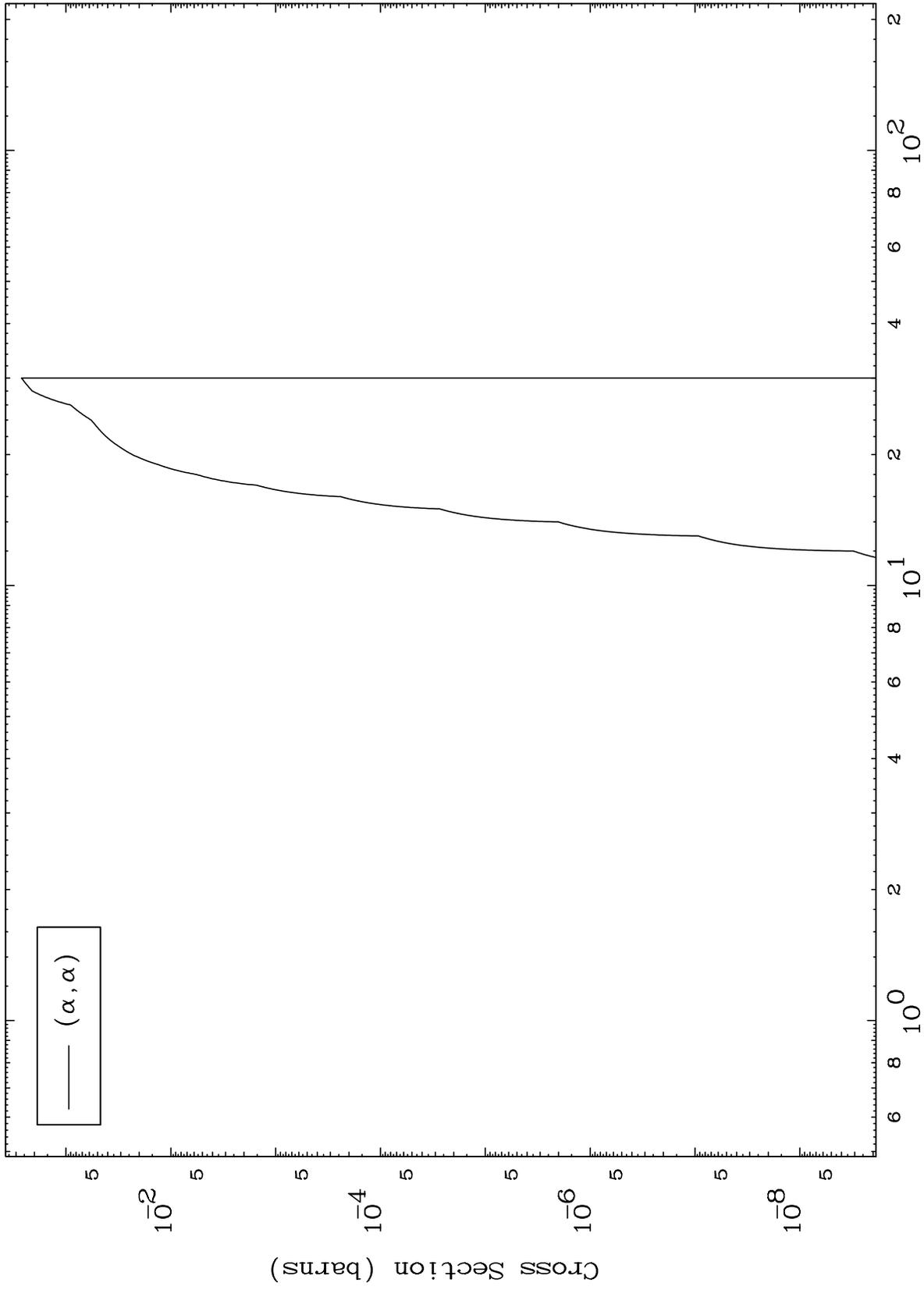
64-Gd-142



MAT 6395

(α, α) Levels
0 Kelvin Cross Sections

64-Gd-142



10

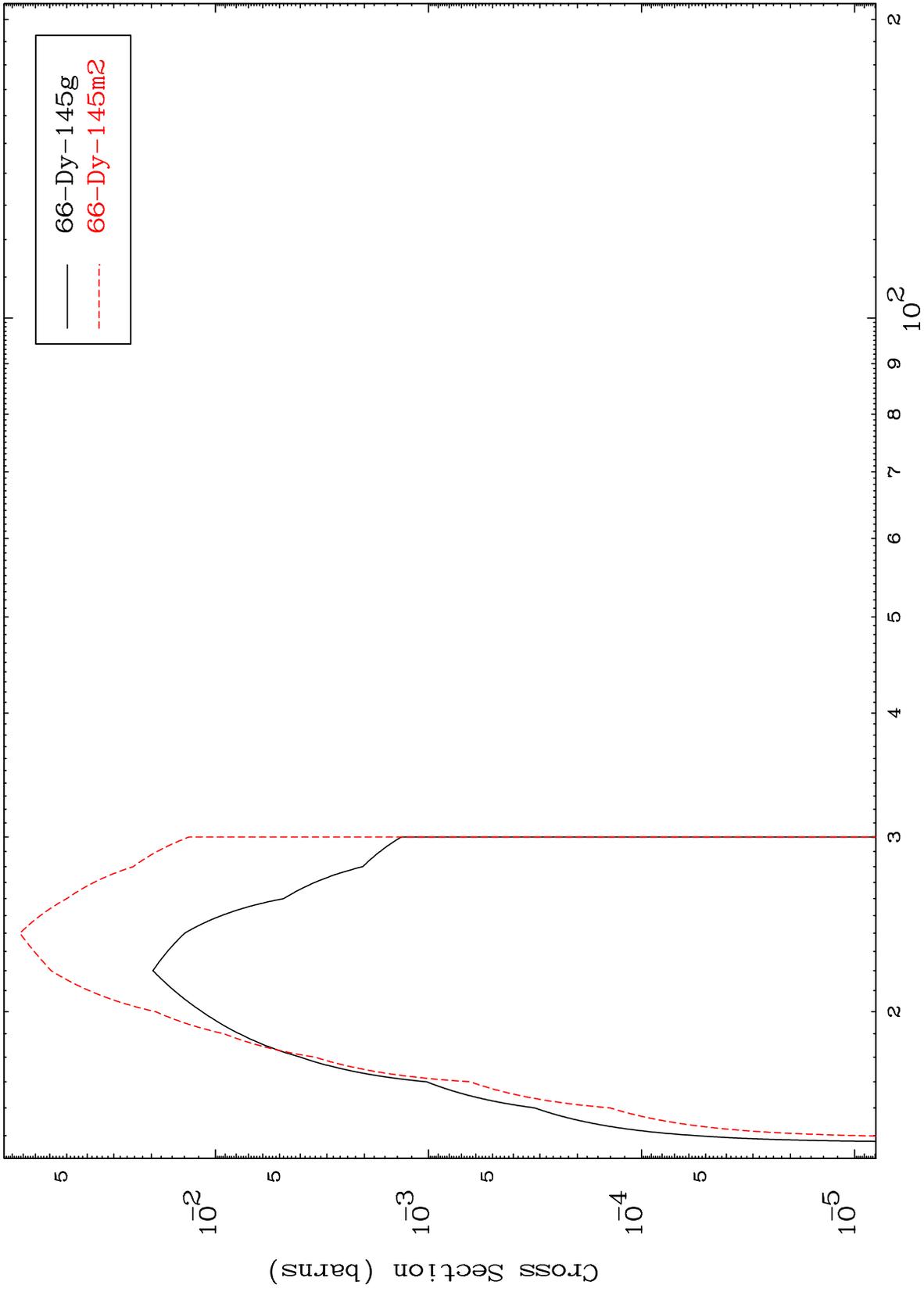
Incident Energy (MeV)

64-Gd-142

MAT 6395

α Inelastic
Radionuclide Production Cross Section

64-Gd-142



11

Incident Energy (MeV)

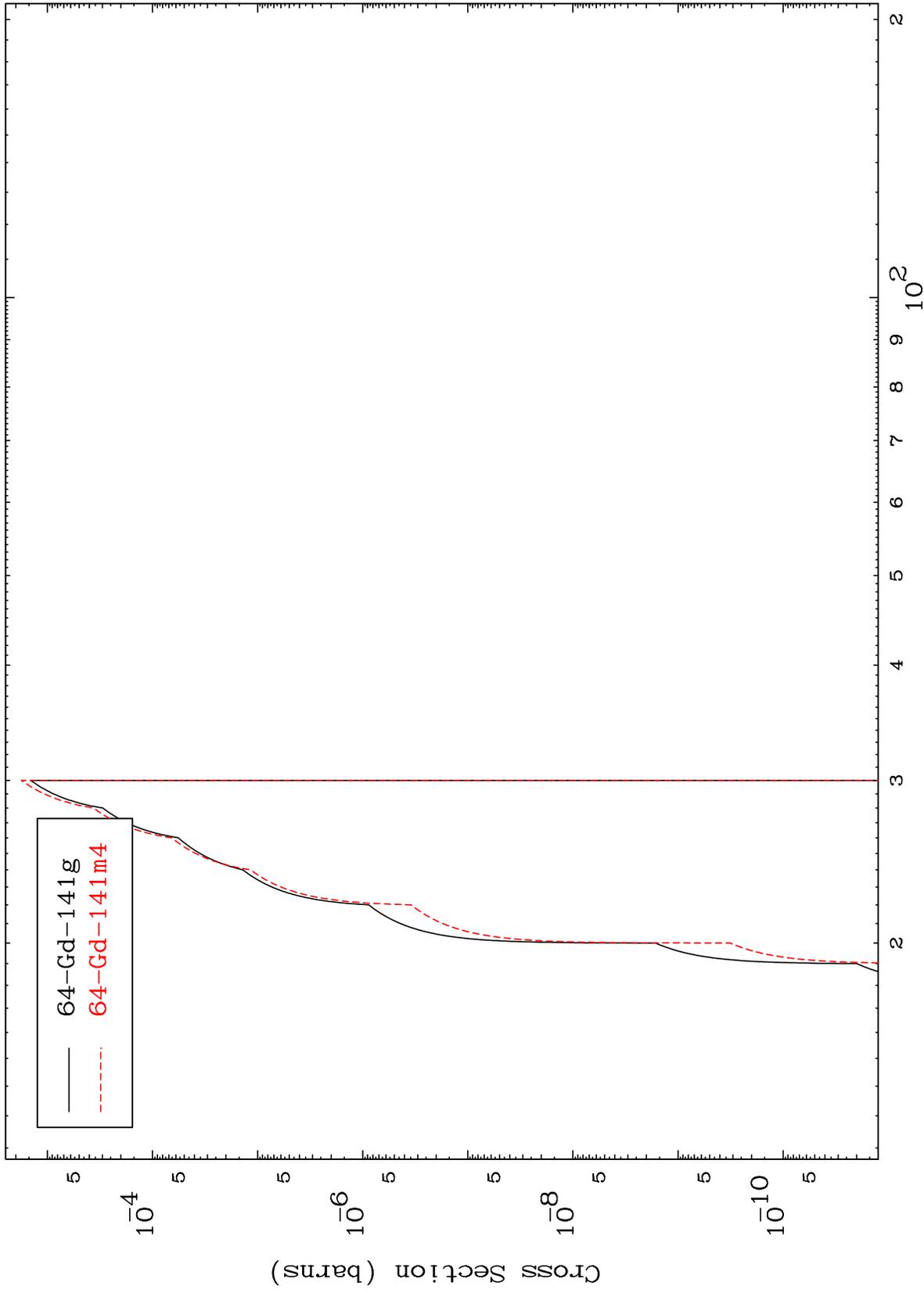
64-Gd-142

MAT 6395

(α, n') α

$^{64}\text{Gd}-142$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

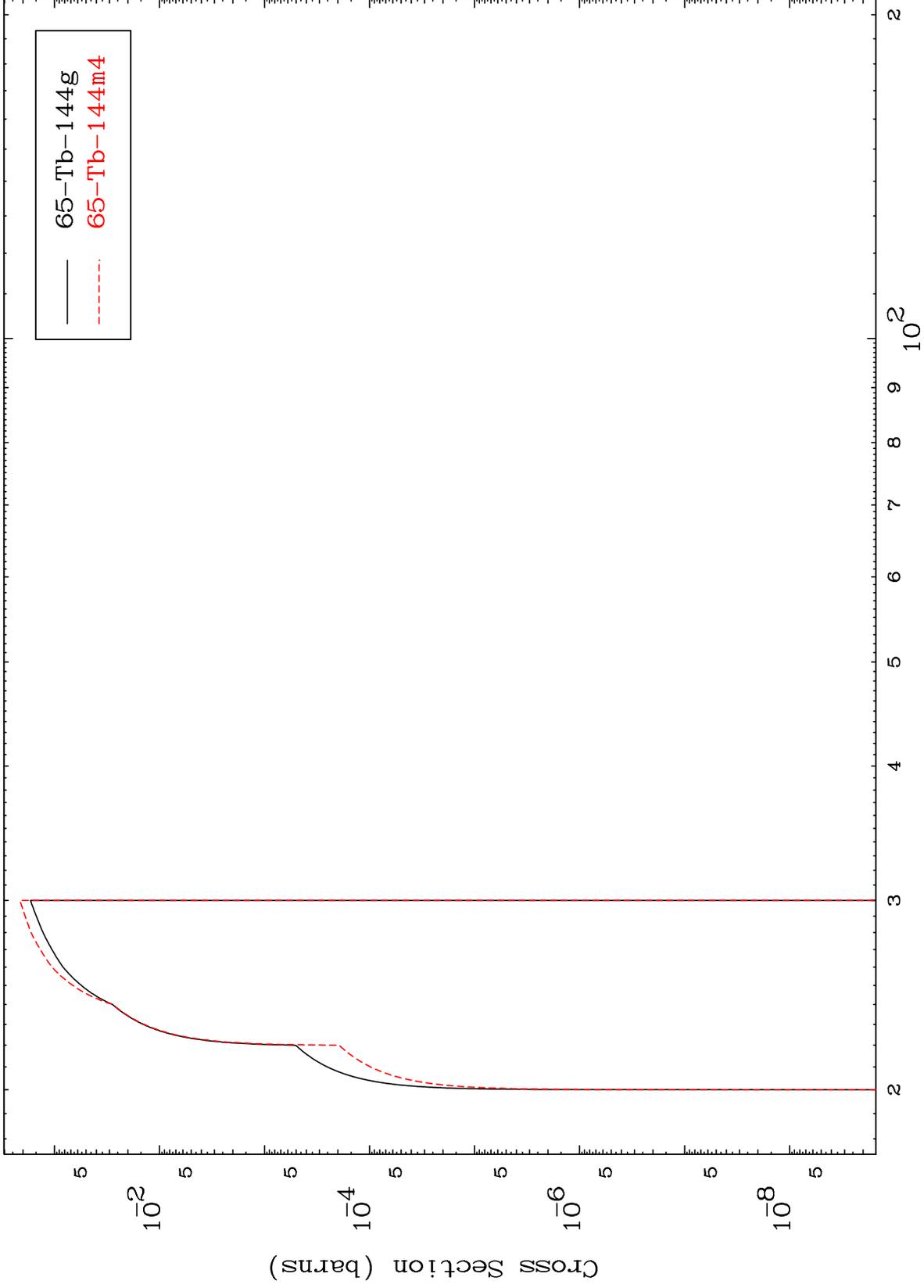
$^{64}\text{Gd}-142$

MAT 6395

(α, n') p

64-Gd-142

Radionuclide Production Cross Section



13

Incident Energy (MeV)

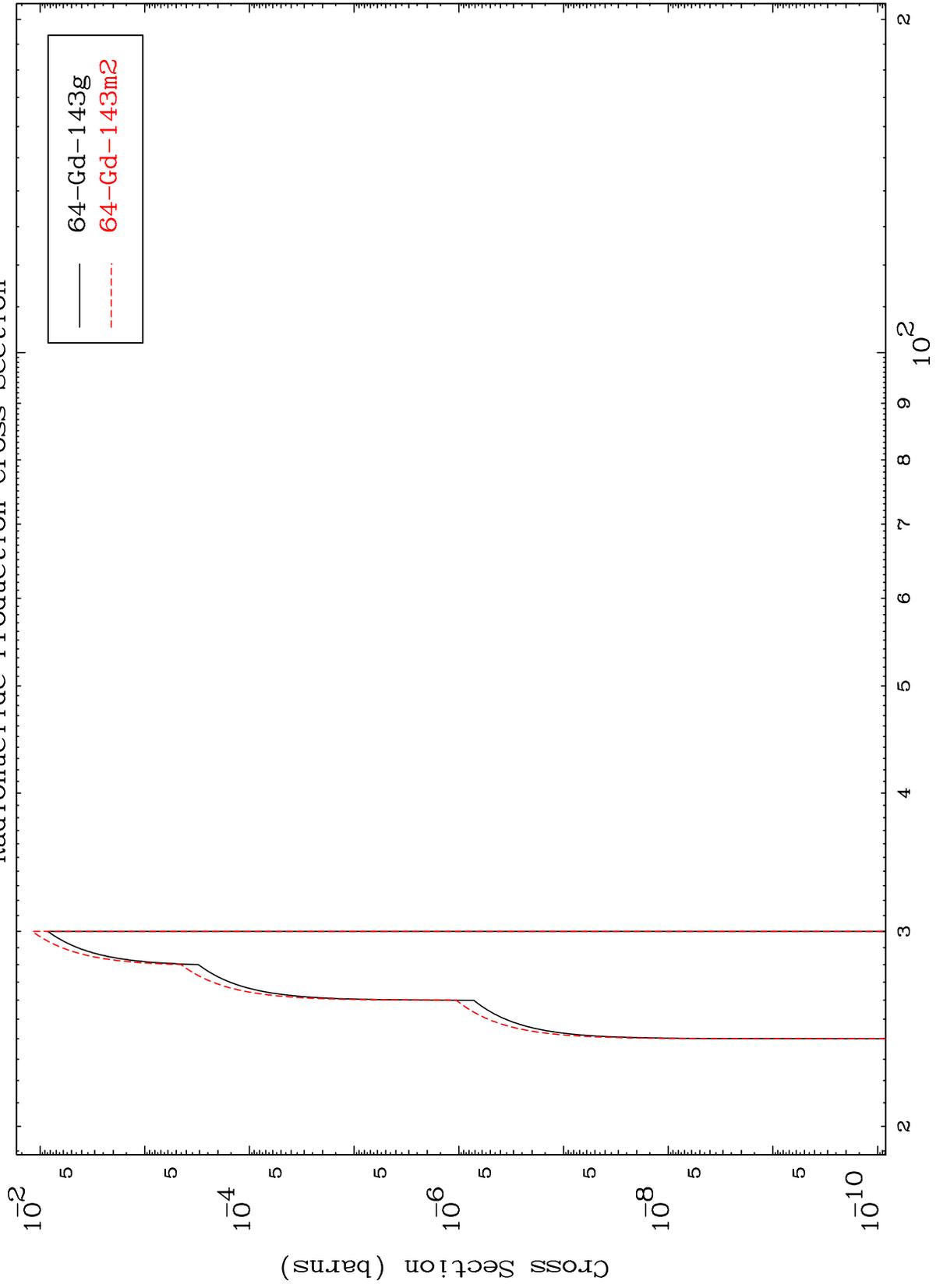
64-Gd-142

MAT 6395

($\alpha, 2n$) p

$^{64}\text{Gd-142}$

Radionuclide Production Cross Section



14

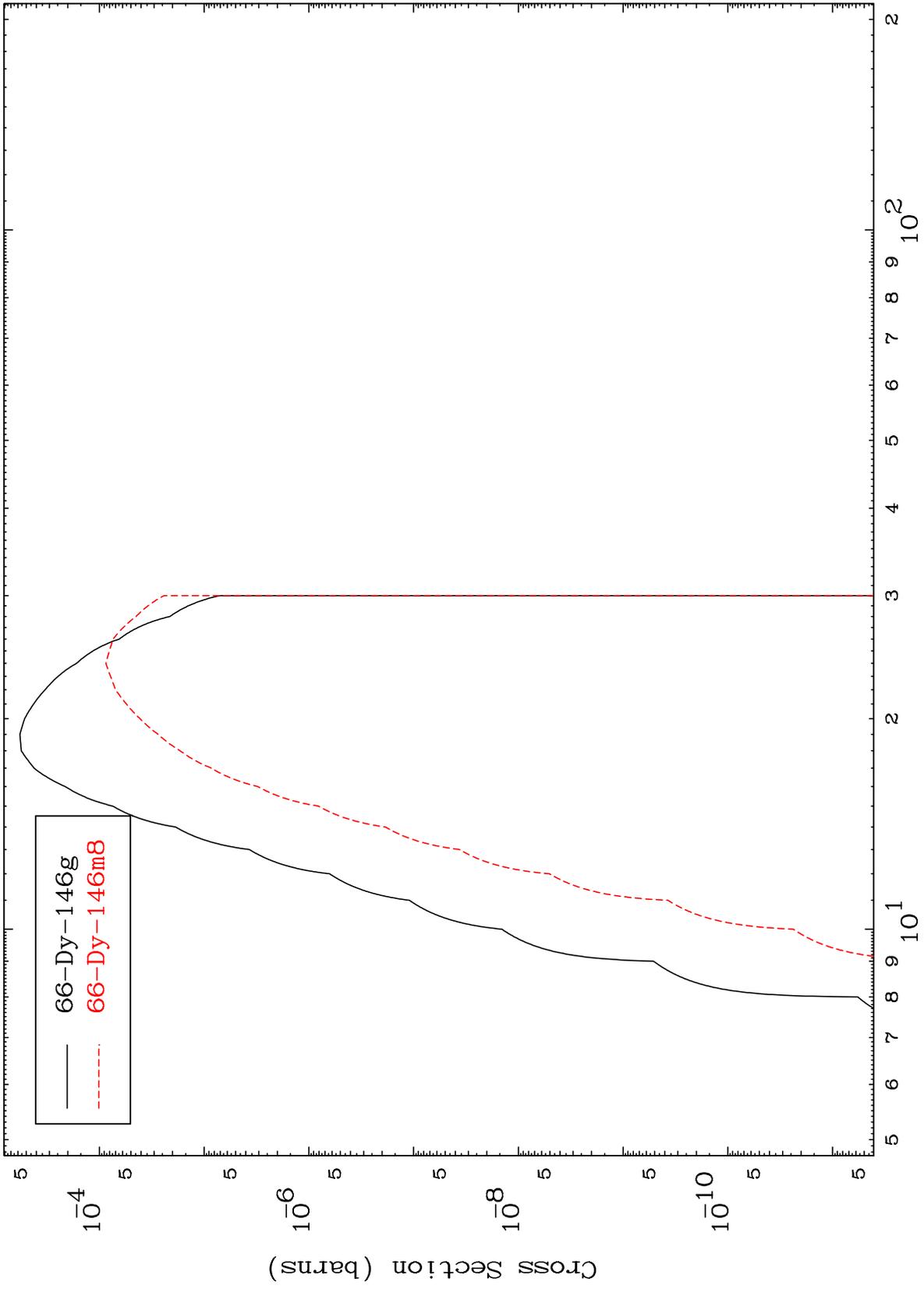
Incident Energy (MeV)

$^{64}\text{Gd-142}$

MAT 6395

Radionuclide Production Cross Section
(α, γ)

64-Gd-142



15

Incident Energy (MeV)

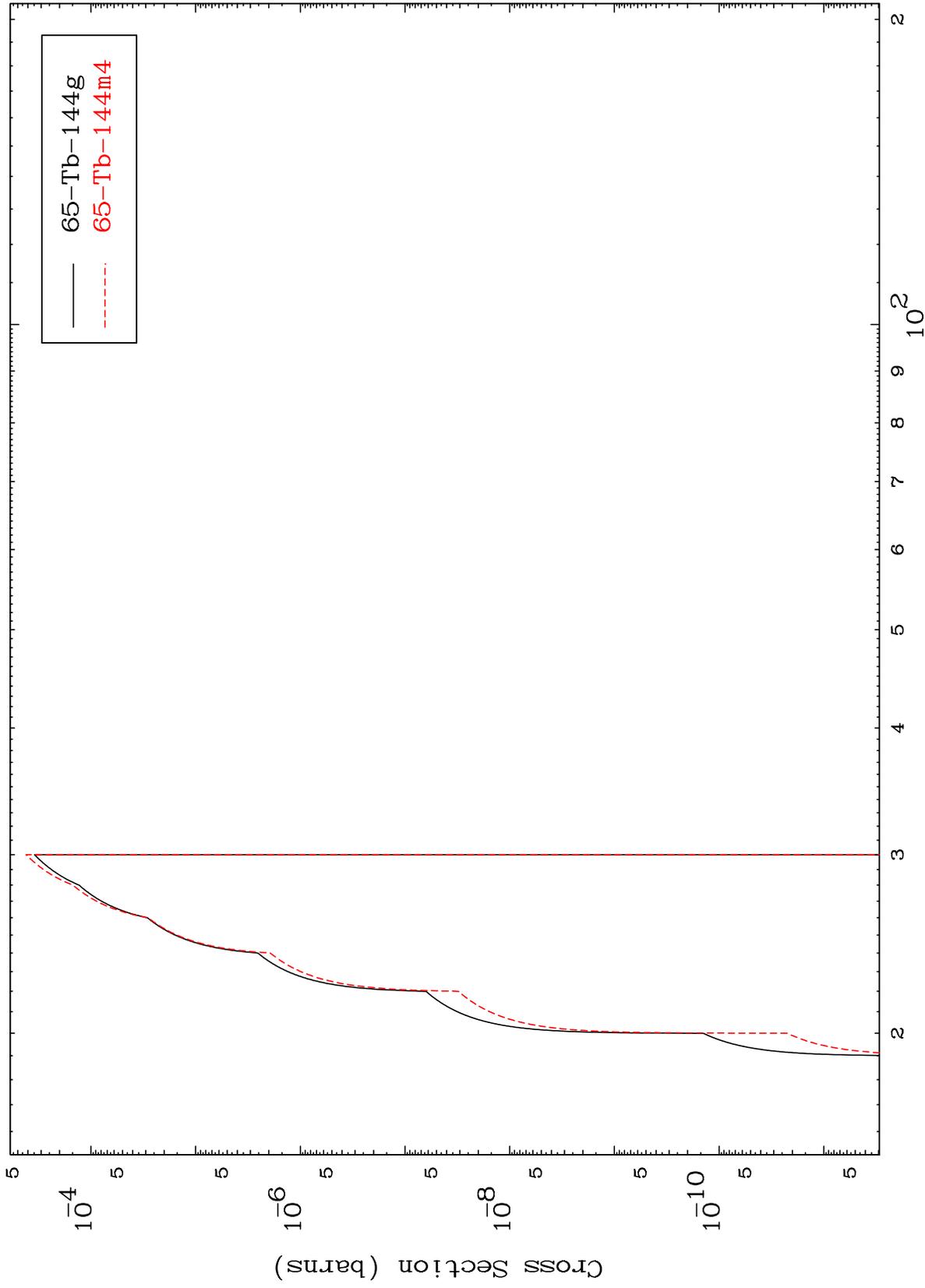
64-Gd-142

MAT 6395

(α, d)

64-Gd-142

Radionuclide Production Cross Section



16

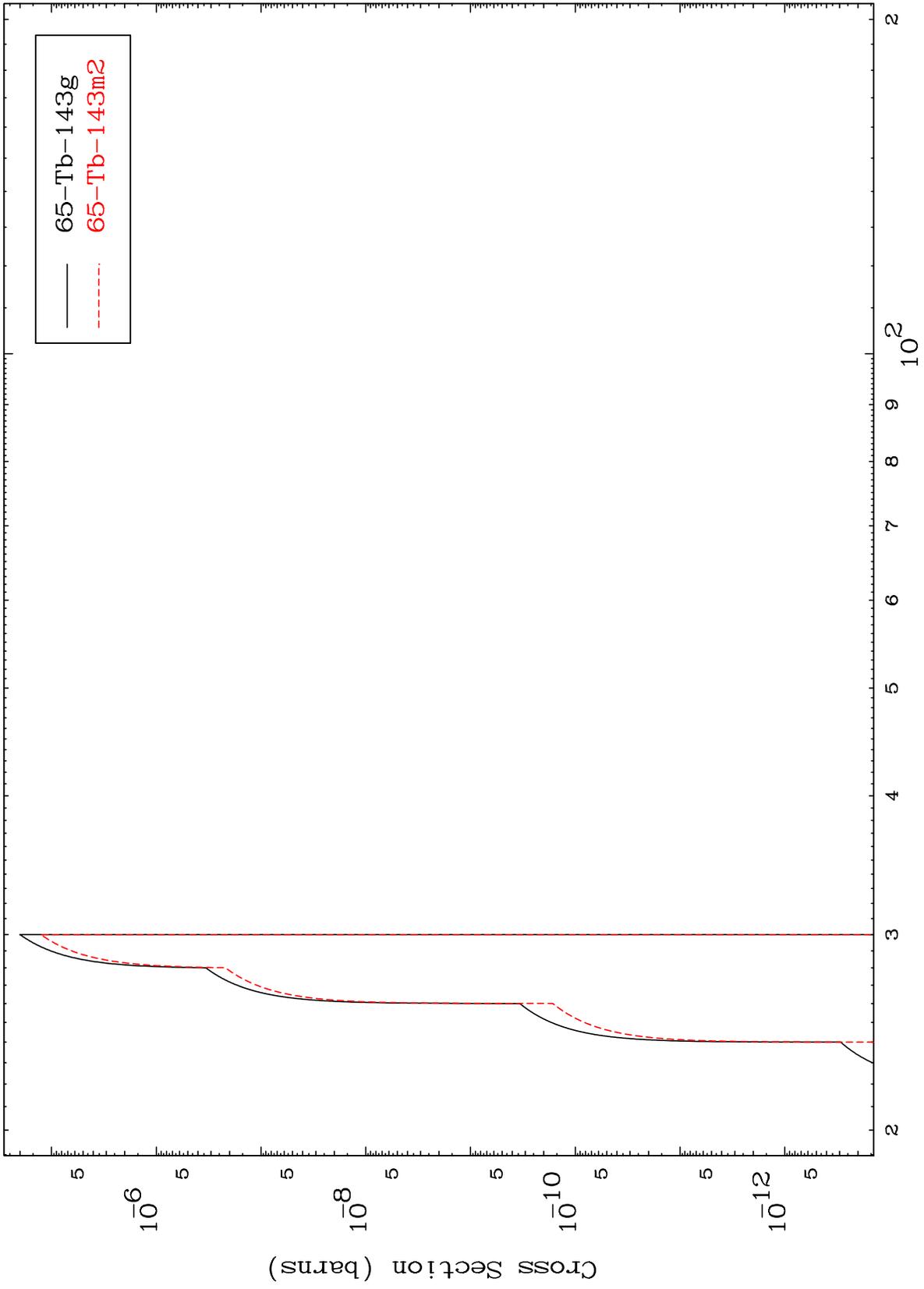
Incident Energy (MeV)

64-Gd-142

MAT 6395

64-Gd-142

(α, t)
Radionuclide Production Cross Section



17

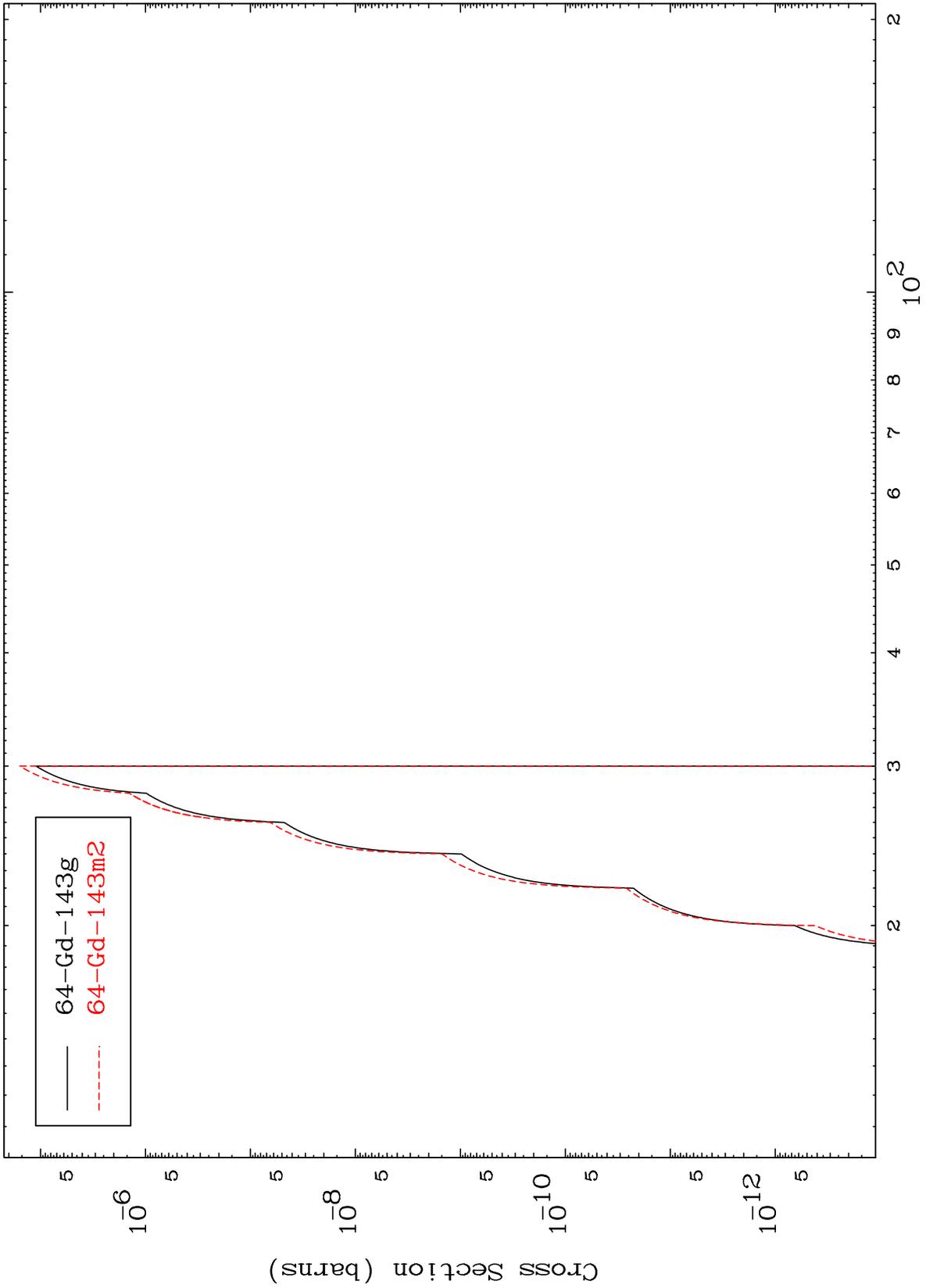
64-Gd-142

MAT 6395

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

$^{64}\text{Gd-142}$

Radionuclide Production Cross Section



18

Incident Energy (MeV)

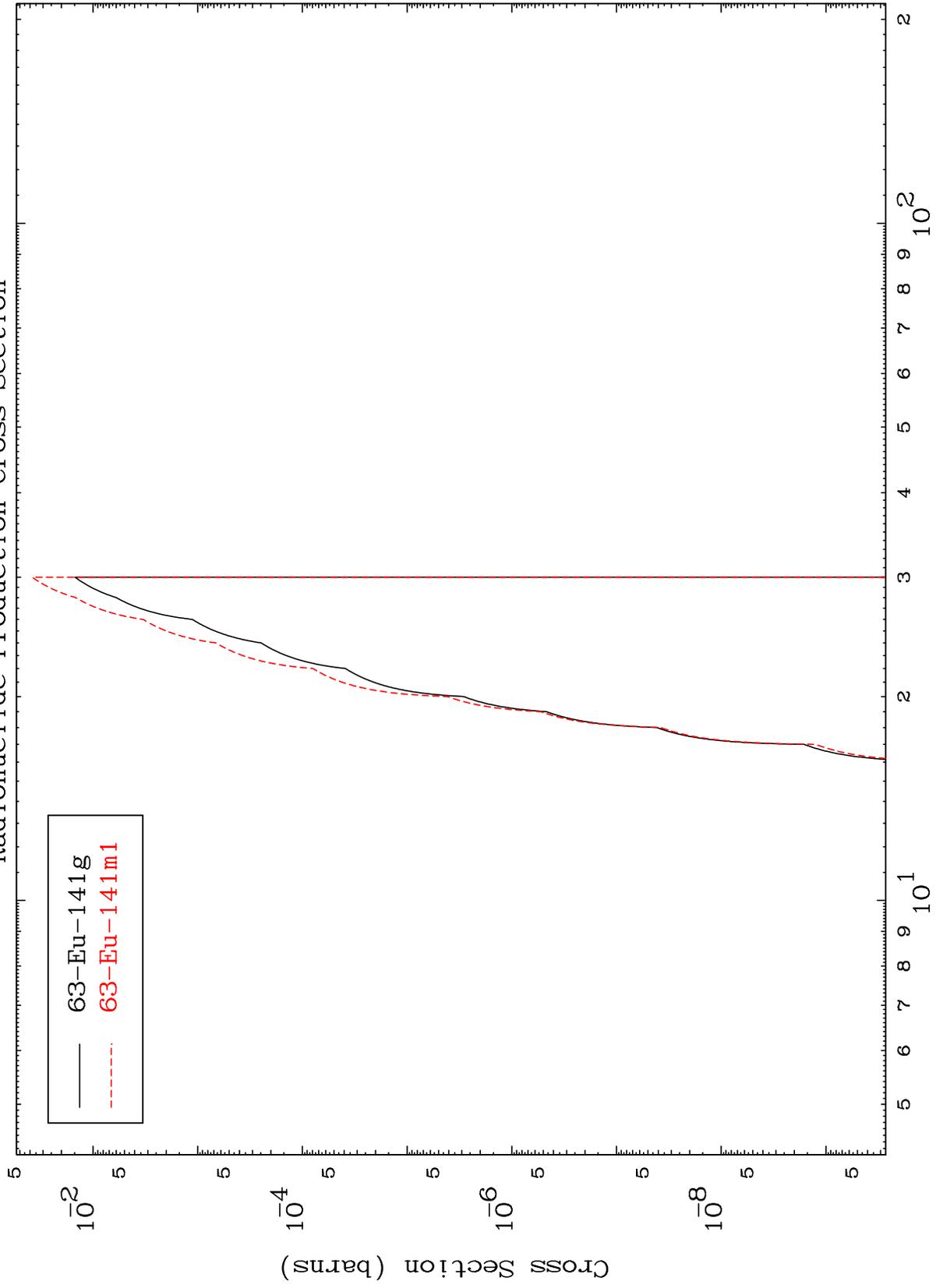
$^{64}\text{Gd-142}$

MAT 6395

(α, p) α

64-Gd-142

Radionuclide Production Cross Section



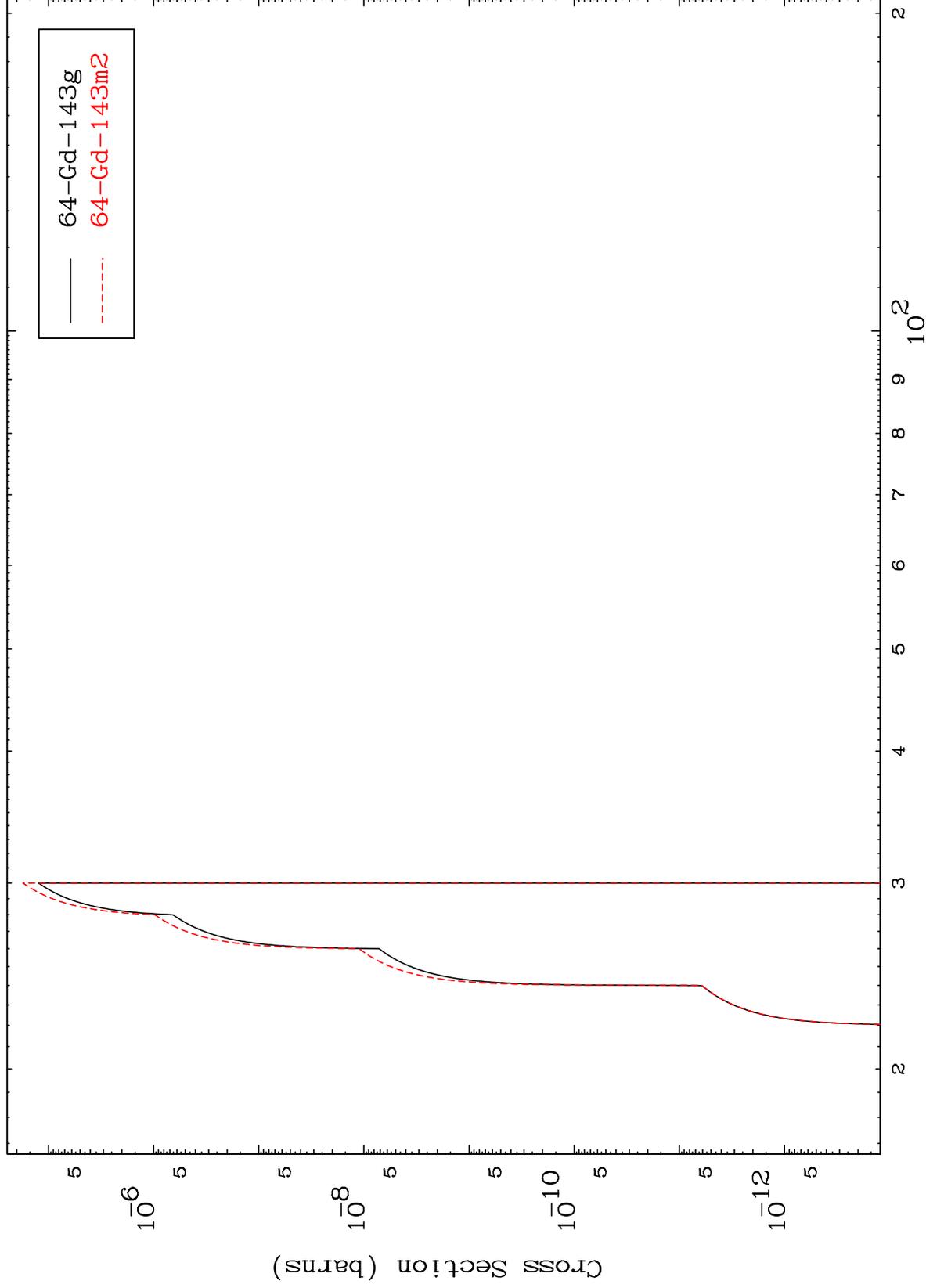
19

MAT 6395

(α, p) d

$^{64}\text{Gd}-142$

Radionuclide Production Cross Section



20

Incident Energy (MeV)

$^{64}\text{Gd}-142$