

Program EVALPLOT
(Version 2018-1)

by

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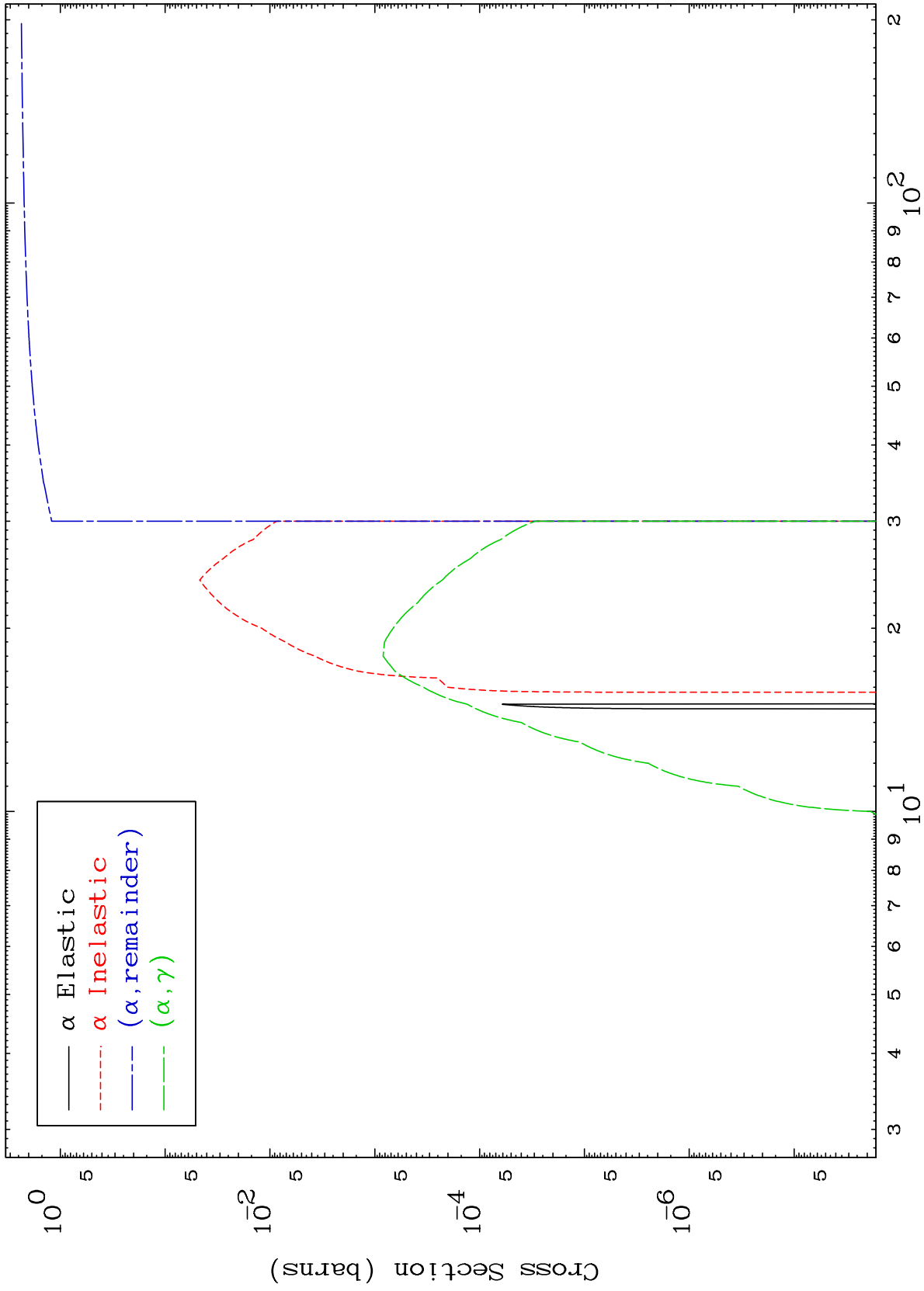
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6389

0 Kelvin α Major
Cross Sections

64-Gd-140



1

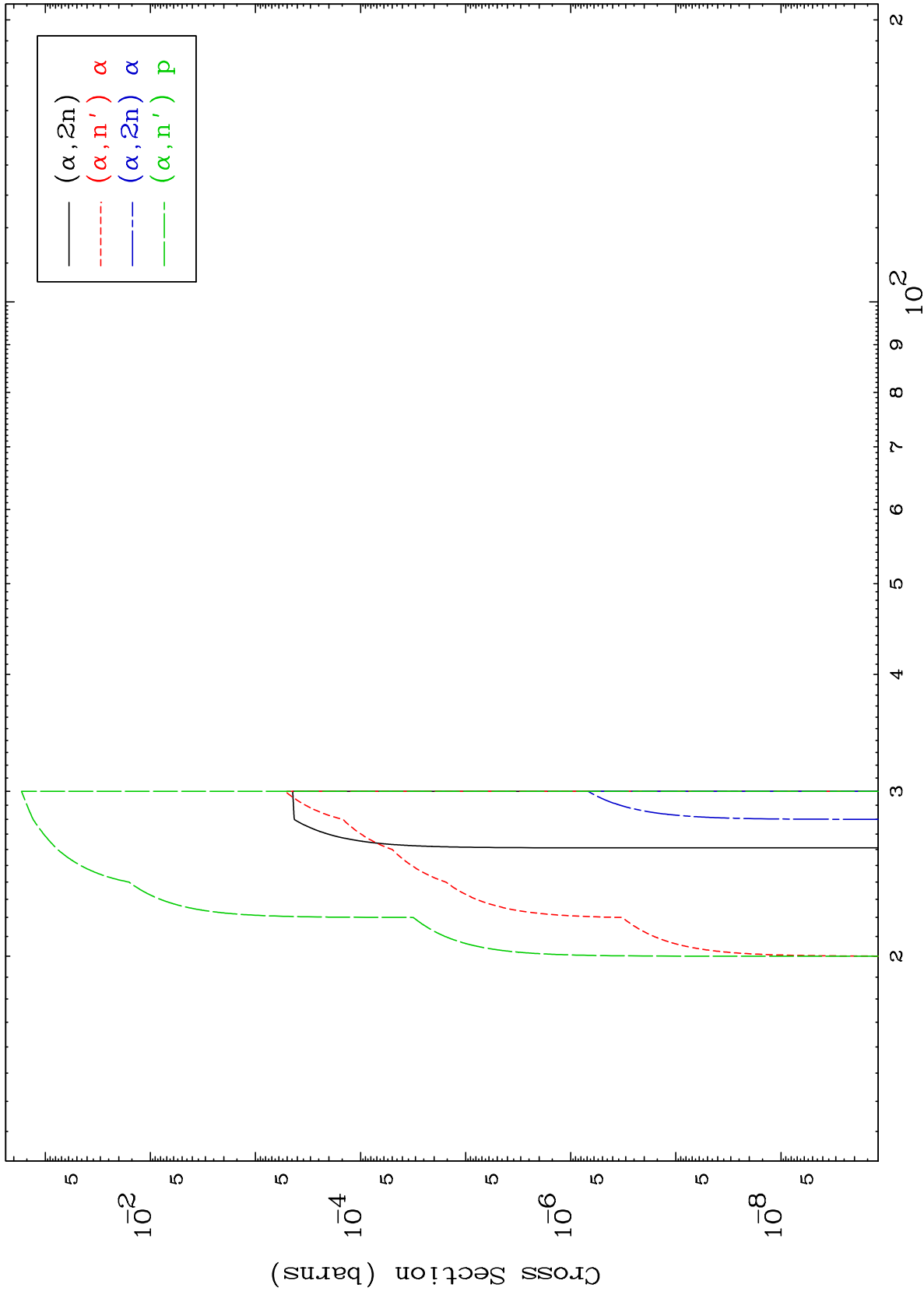
Incident Energy (MeV)

64-Gd-140

MAT 6389

α Neutron Production
0 Kelvin Cross Sections

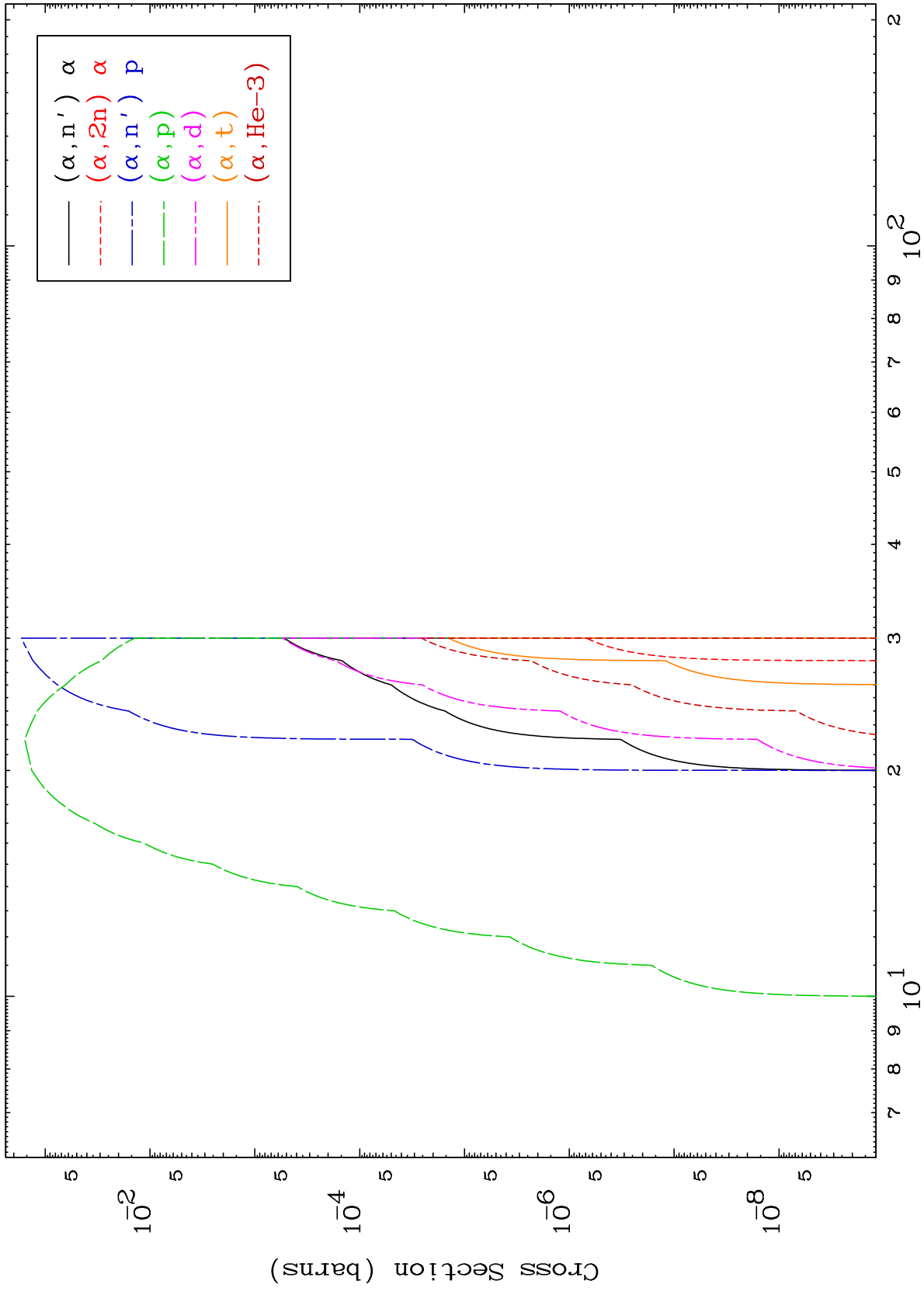
64-Gd-140



2

Incident Energy (MeV)

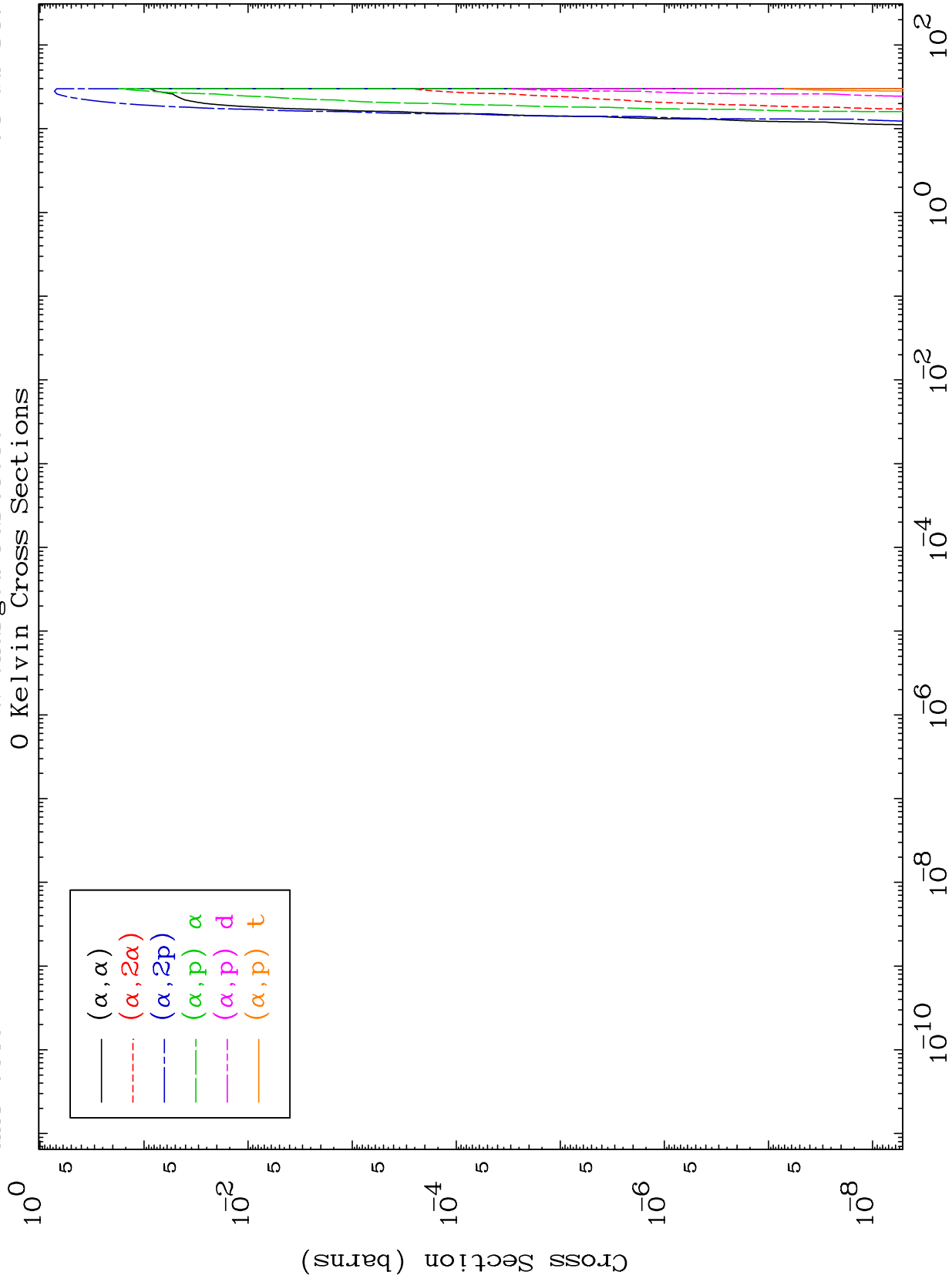
64-Gd-140



MAT 6389

α Charged Particle
0 Kelvin Cross Sections

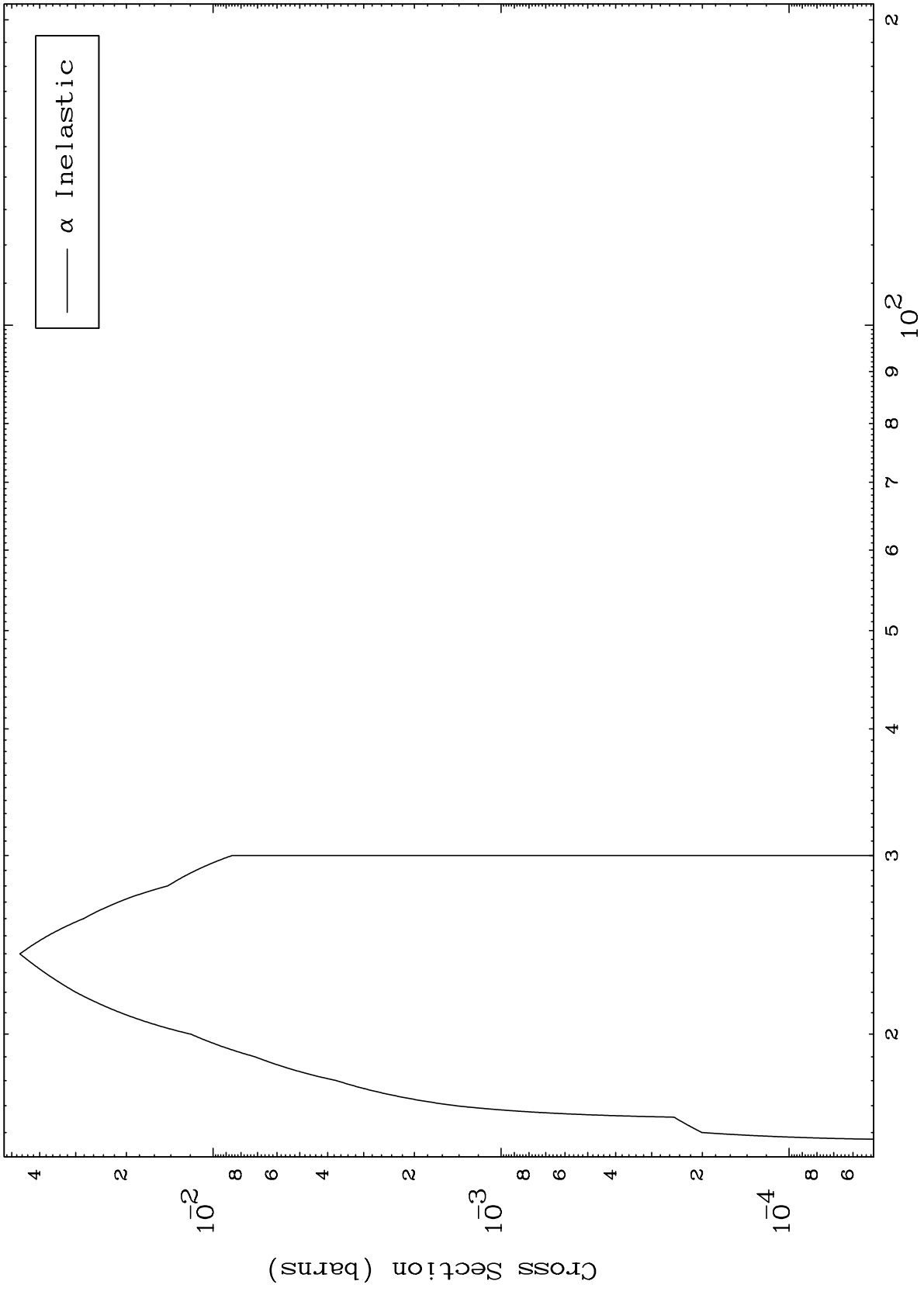
64-Gd-140



MAT 6389

(α, n') Level
0 Kelvin Cross Sections

64-Gd-140



5

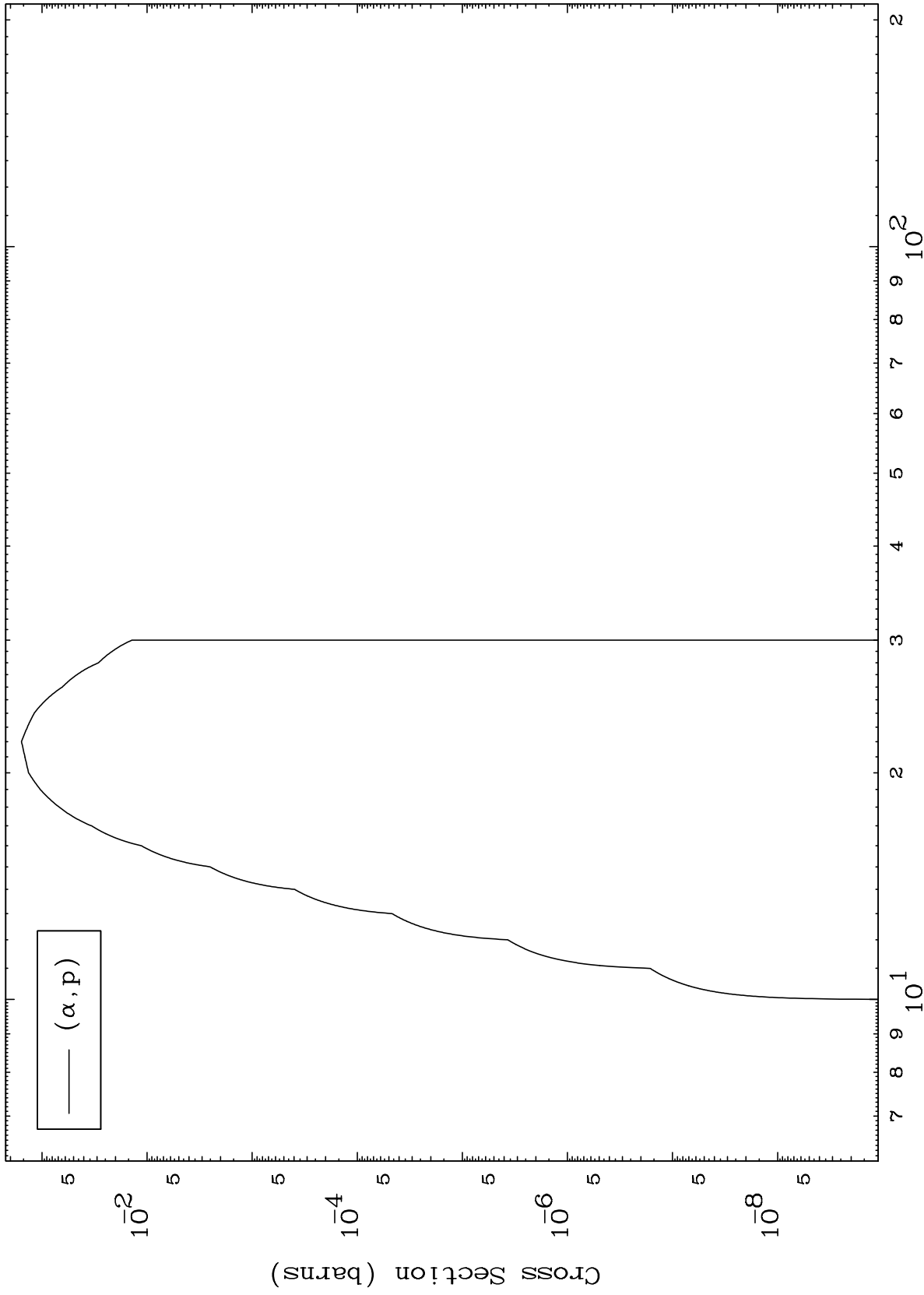
Incident Energy (MeV)

64-Gd-140

MAT 6389

(α, p) Levels
0 Kelvin Cross Sections

64-Gd-140



6

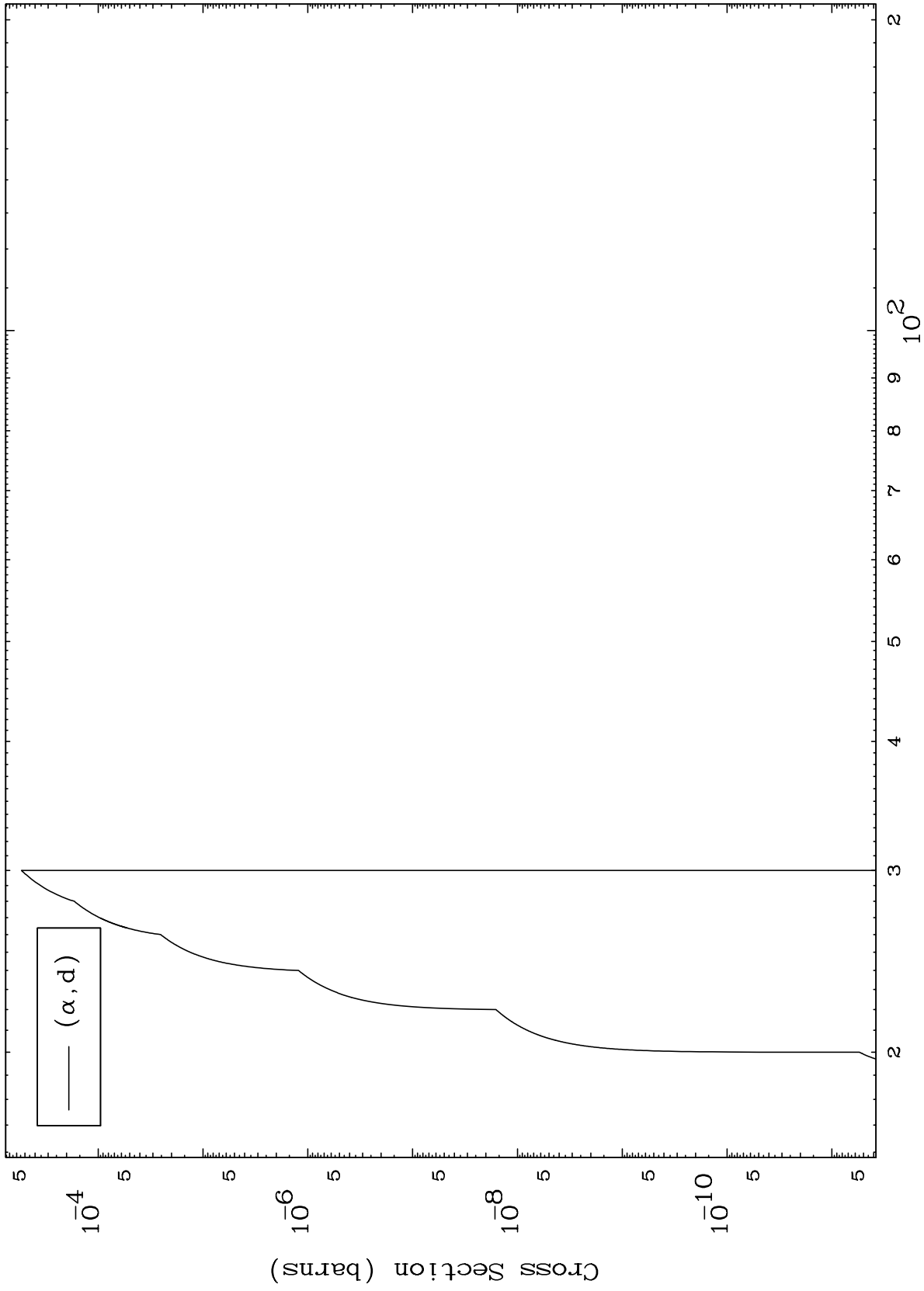
Incident Energy (MeV)

64-Gd-140

MAT 6389

(α, d) Levels
0 Kelvin Cross Sections

64-Gd-140



7

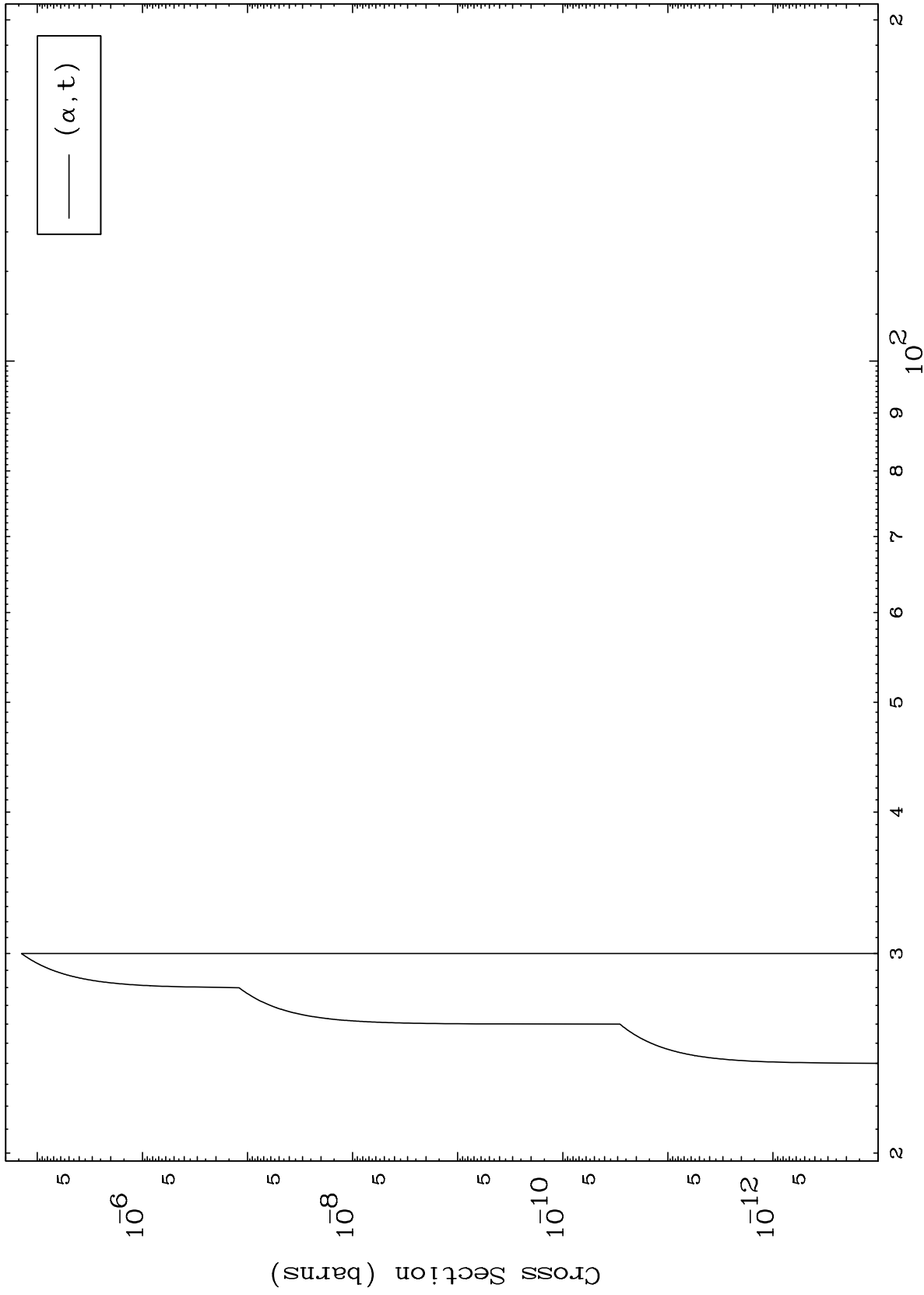
Incident Energy (MeV)

64-Gd-140

MAT 6389

(α, t) Levels
0 Kelvin Cross Sections

64-Gd-140



8

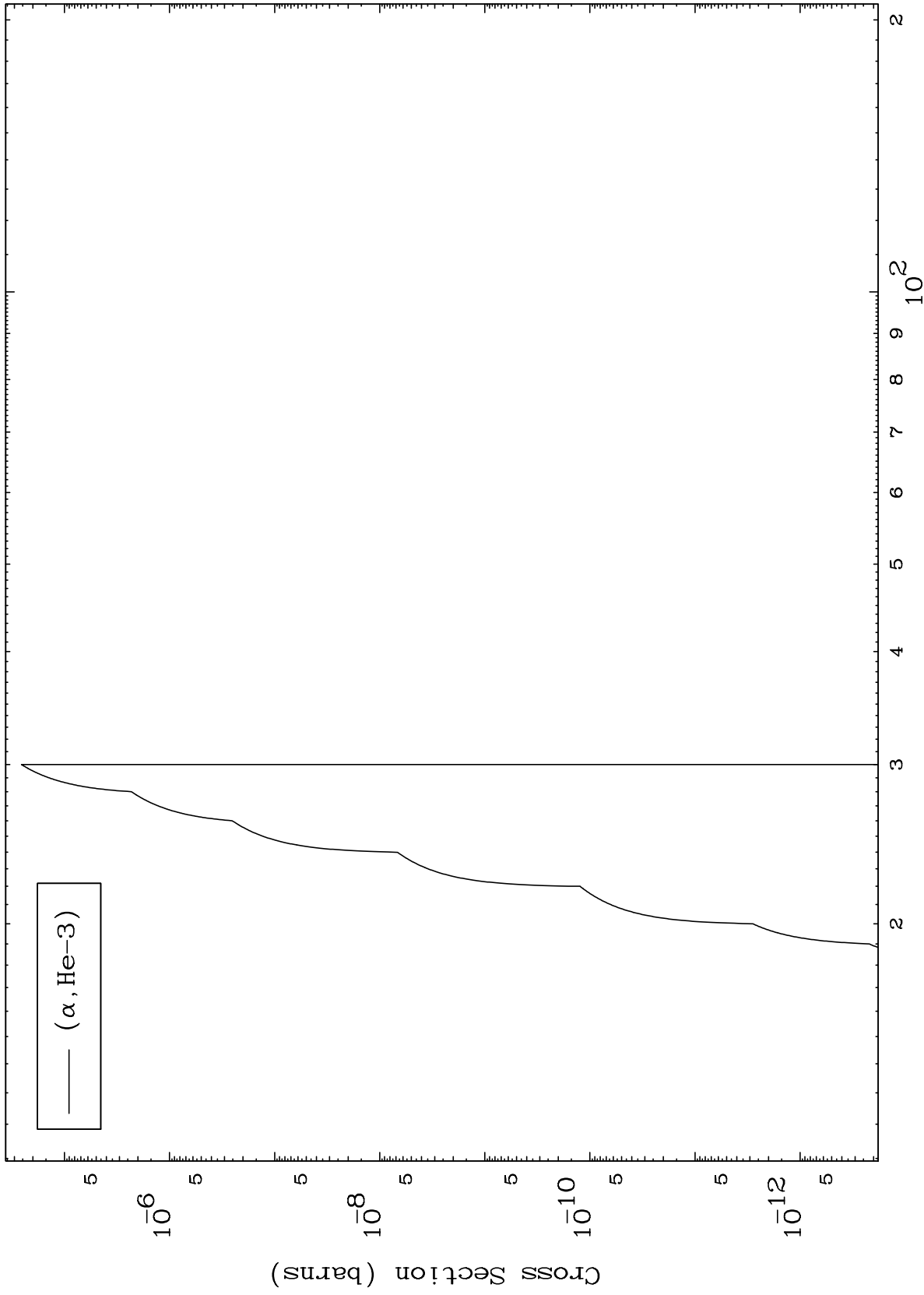
Incident Energy (MeV)

64-Gd-140

MAT 6389

(α ,He3) Levels
0 Kelvin Cross Sections

64-Gd-140



9

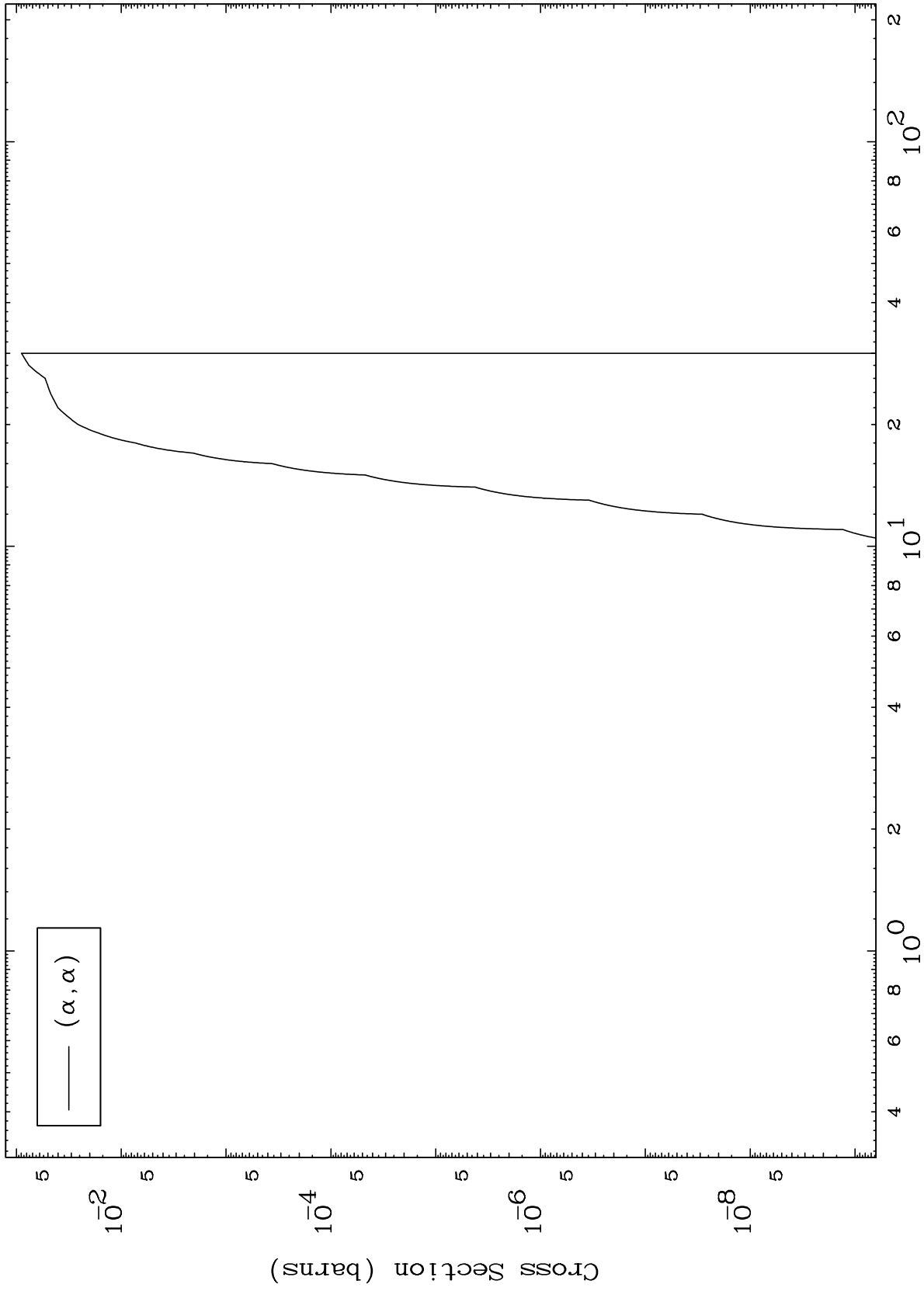
Incident Energy (MeV)

64-Gd-140

MAT 6389

(α, α) Levels
0 Kelvin Cross Sections

64-Gd-140

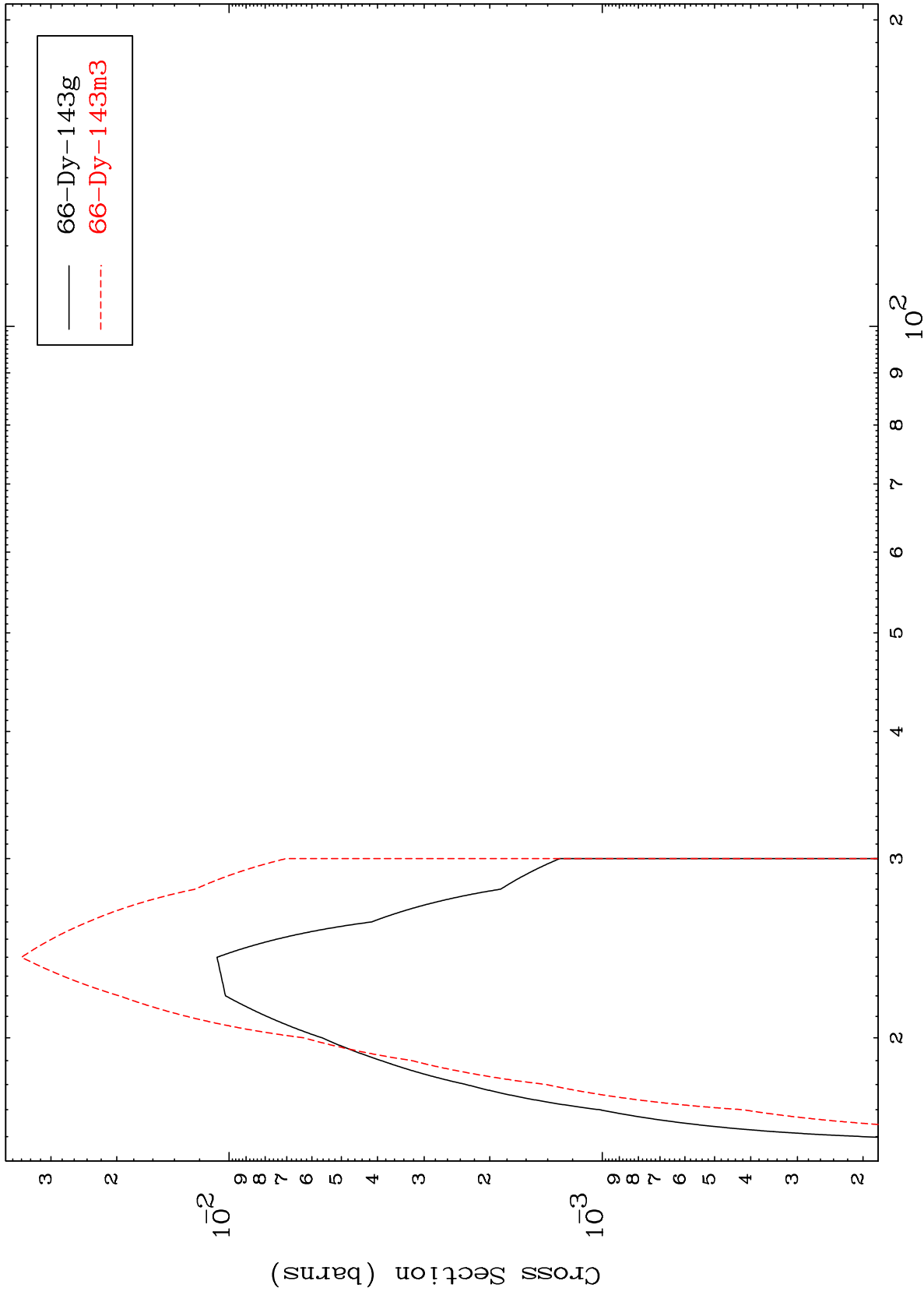


10

Incident Energy (MeV)

64-Gd-140

α Inelastic
Radionuclide Production Cross Section

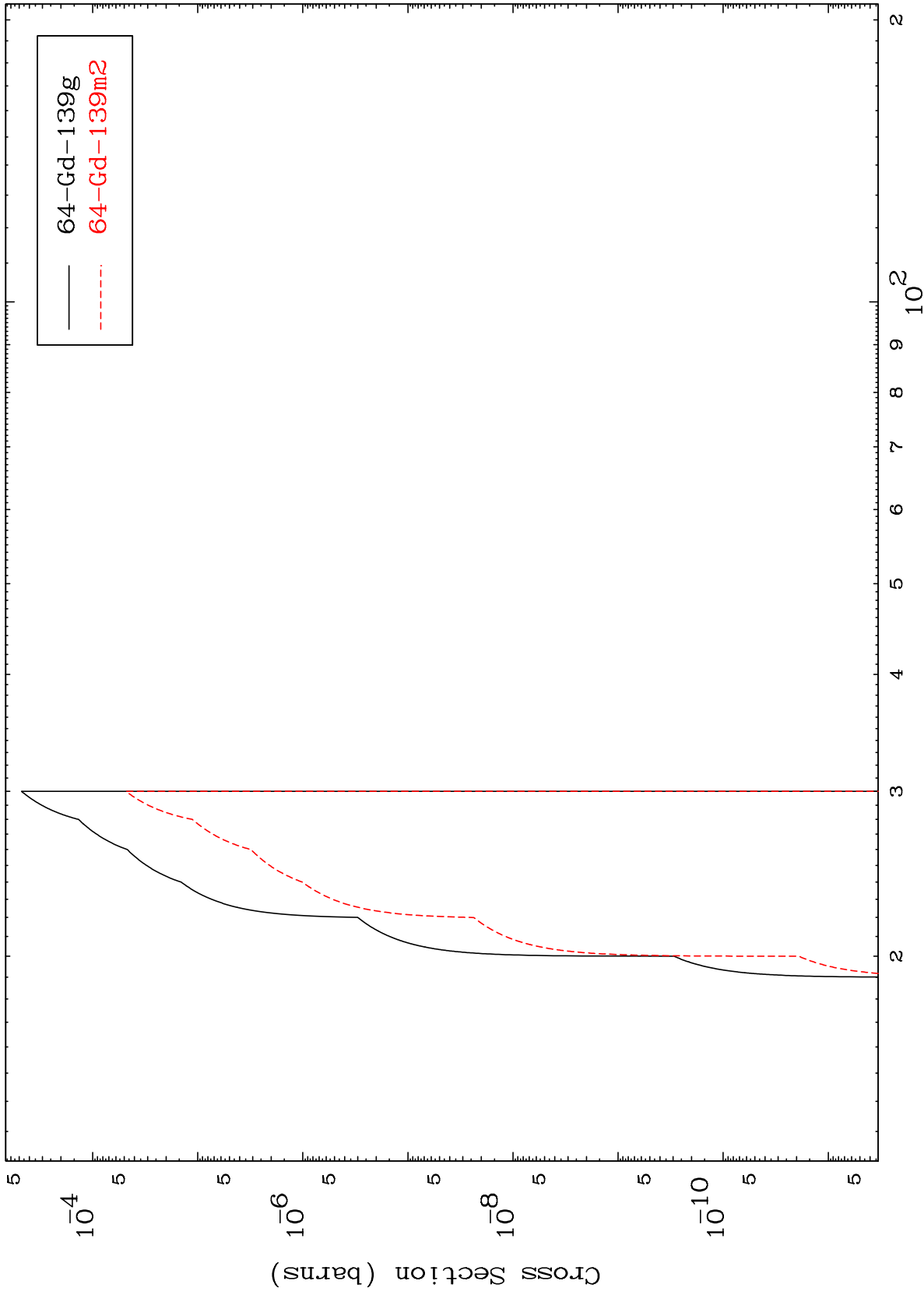


MAT 6389

(α, n') α

64-Gd-140

Radionuclide Production Cross Section



12

Incident Energy (MeV)

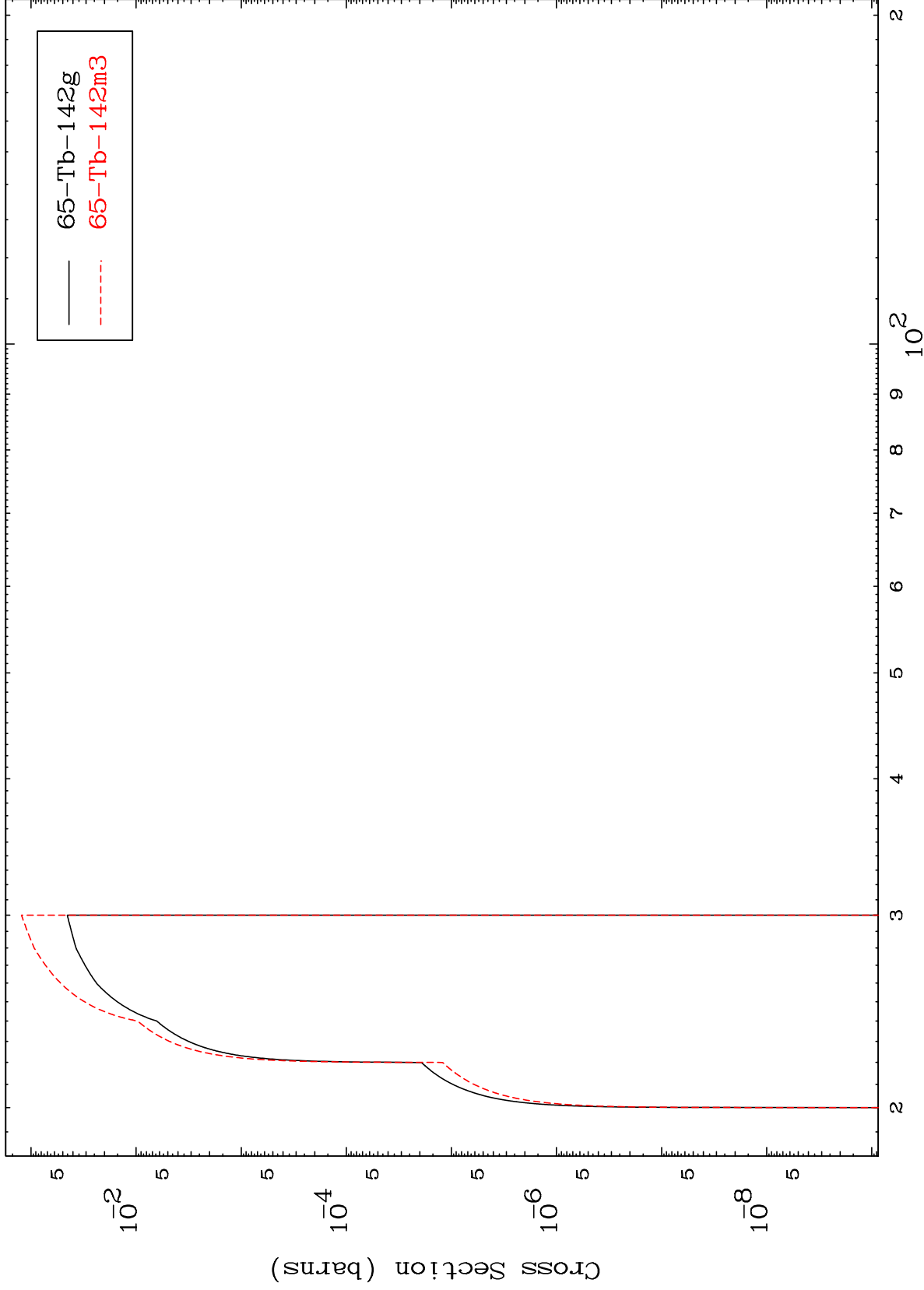
64-Gd-140

MAT 6389

(α, n') p

64-Gd-140

Radionuclide Production Cross Section



13

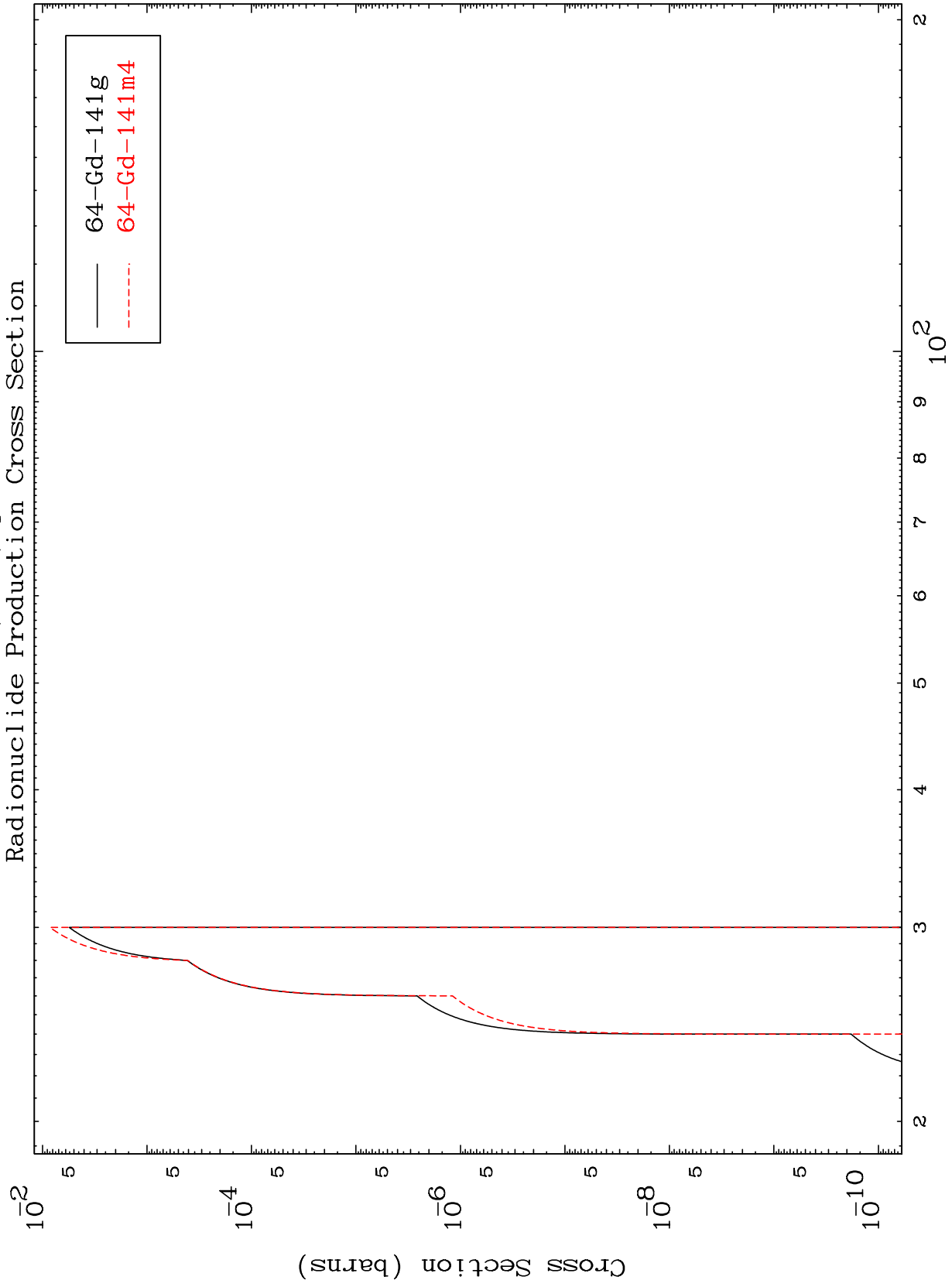
Incident Energy (MeV)

64-Gd-140

MAT 6389

$(\alpha, 2n)$ p

$^{64}\text{Gd-140}$



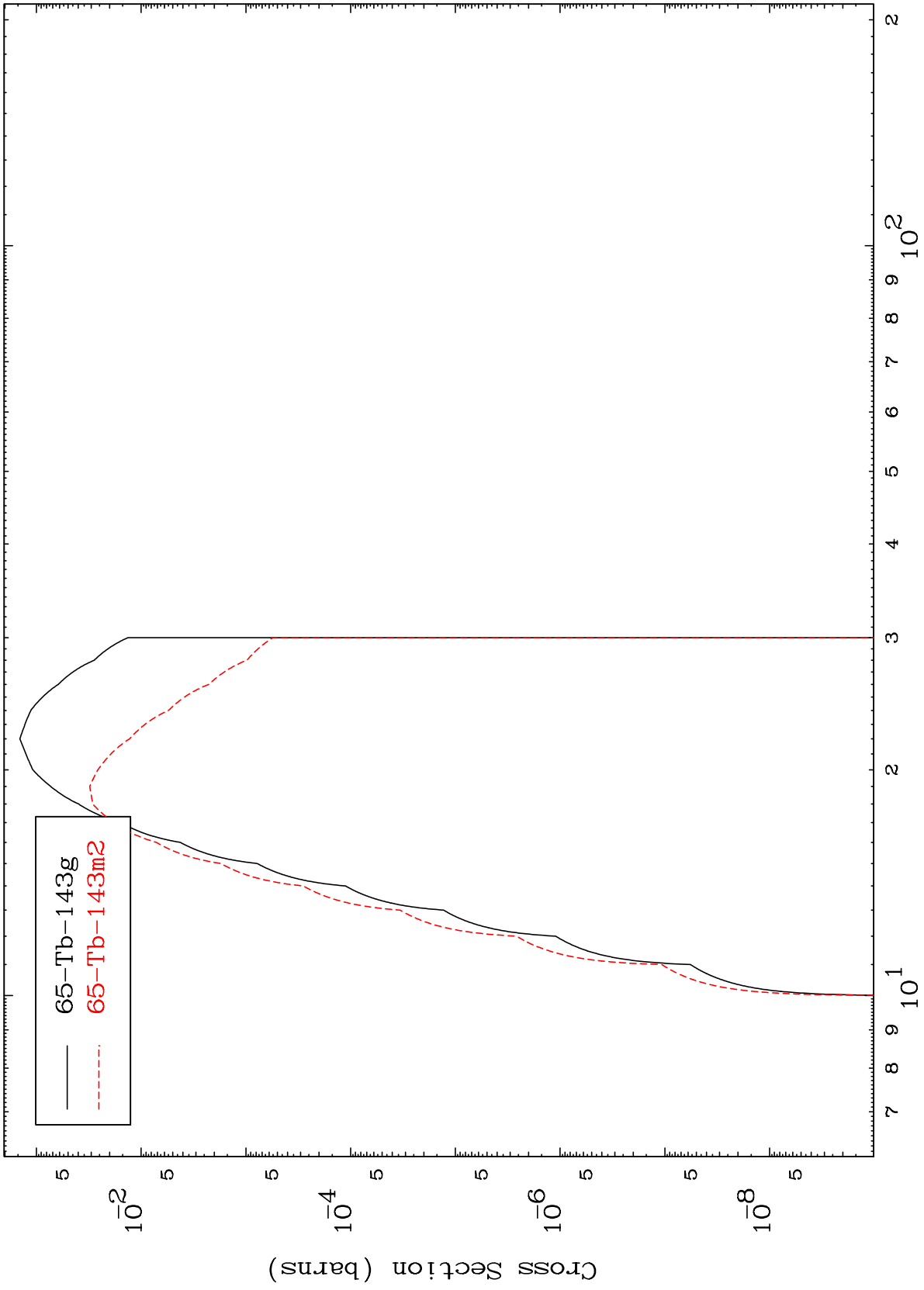
14

$^{64}\text{Gd-140}$

MAT 6389

64-Gd-140

(α, p)
Radionuclide Production Cross Section



15

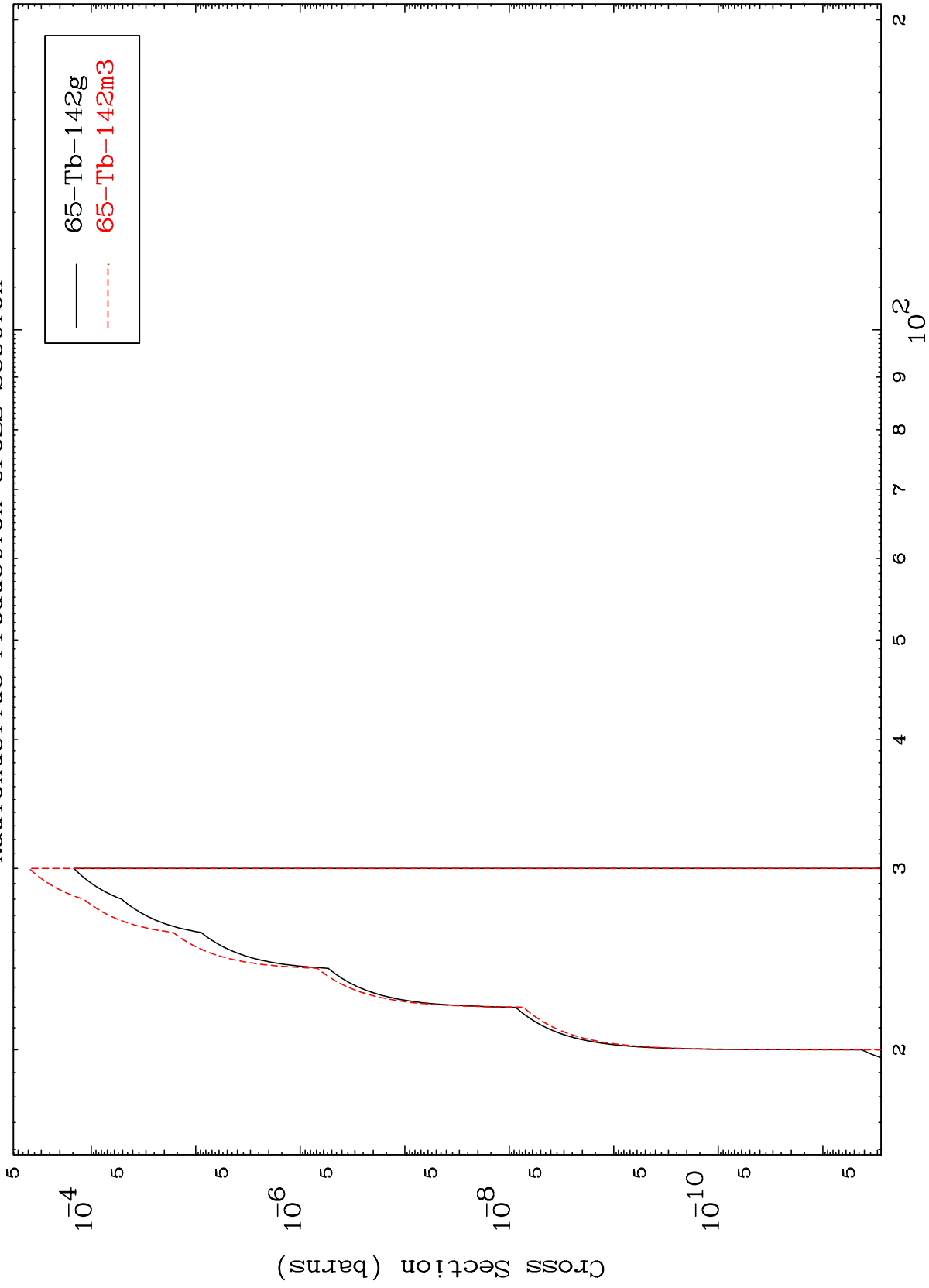
Incident Energy (MeV)

64-Gd-140

MAT 6389

64-Gd-140

(α, d)
Radionuclide Production Cross Section



16

Incident Energy (MeV)

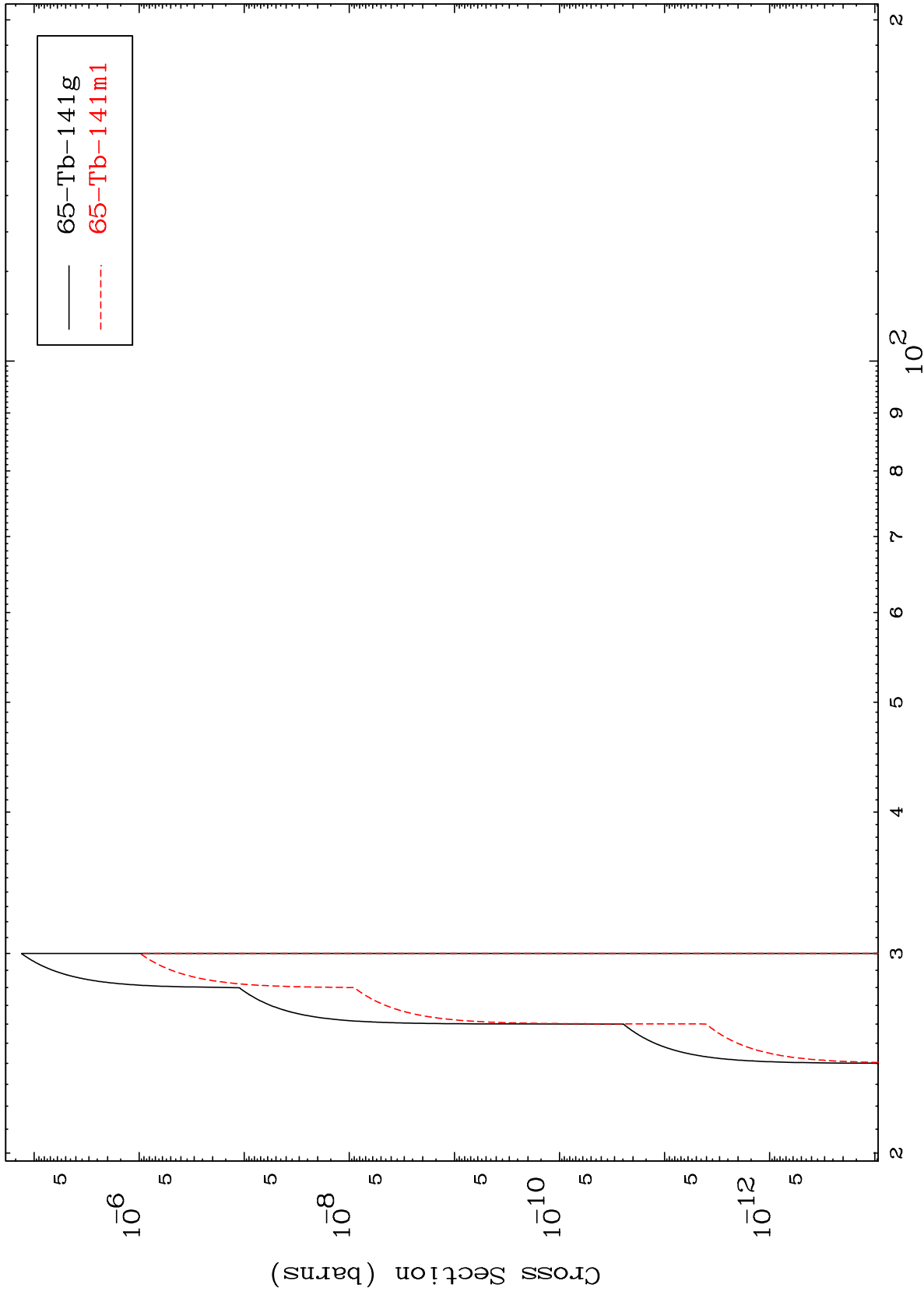
64-Gd-140

MAT 6389

(α, t)

64-Gd-140

Radionuclide Production Cross Section



17

Incident Energy (MeV)

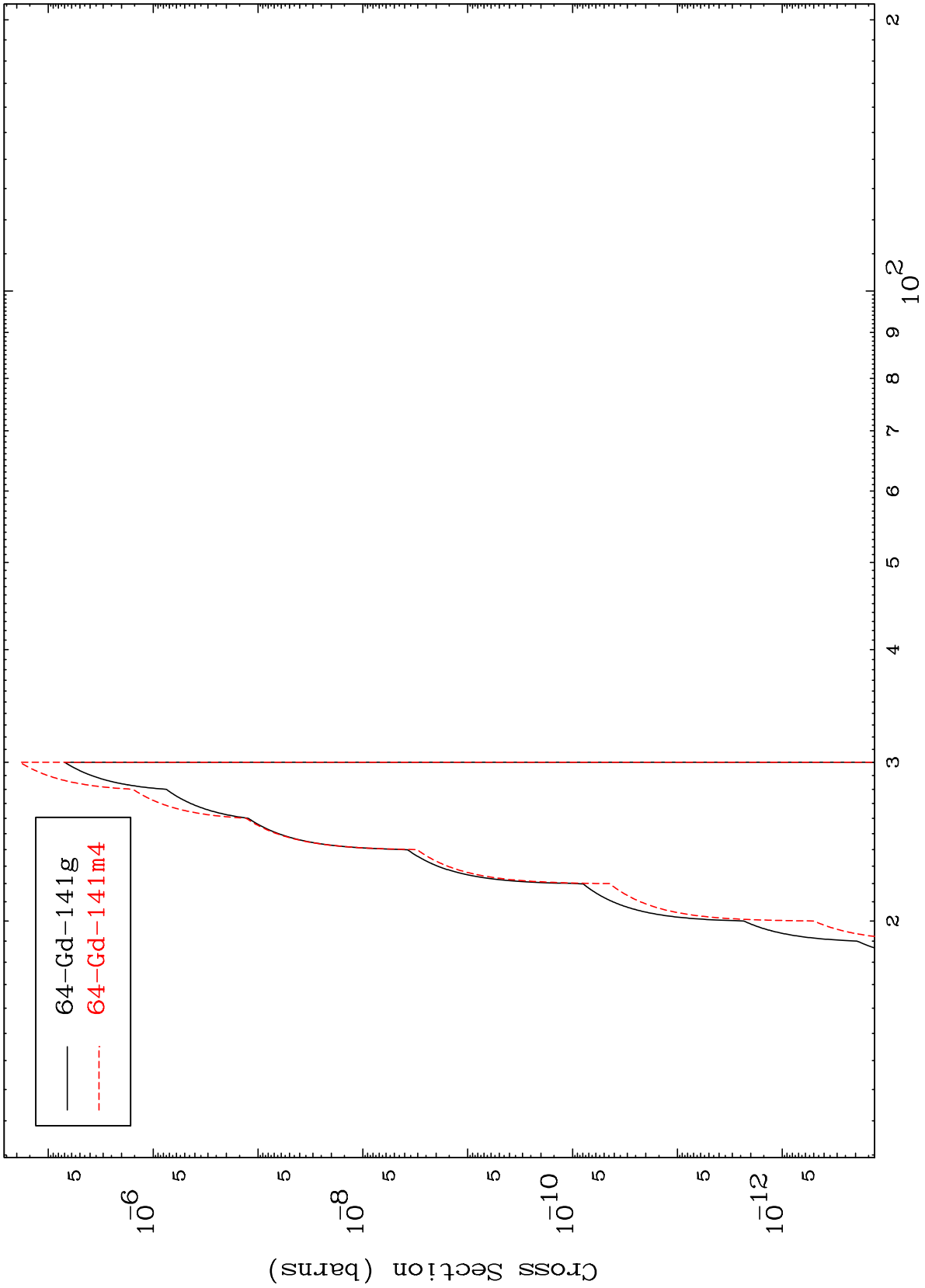
64-Gd-140

MAT 6389

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

64-Gd-140

Radionuclide Production Cross Section



18

Incident Energy (MeV)

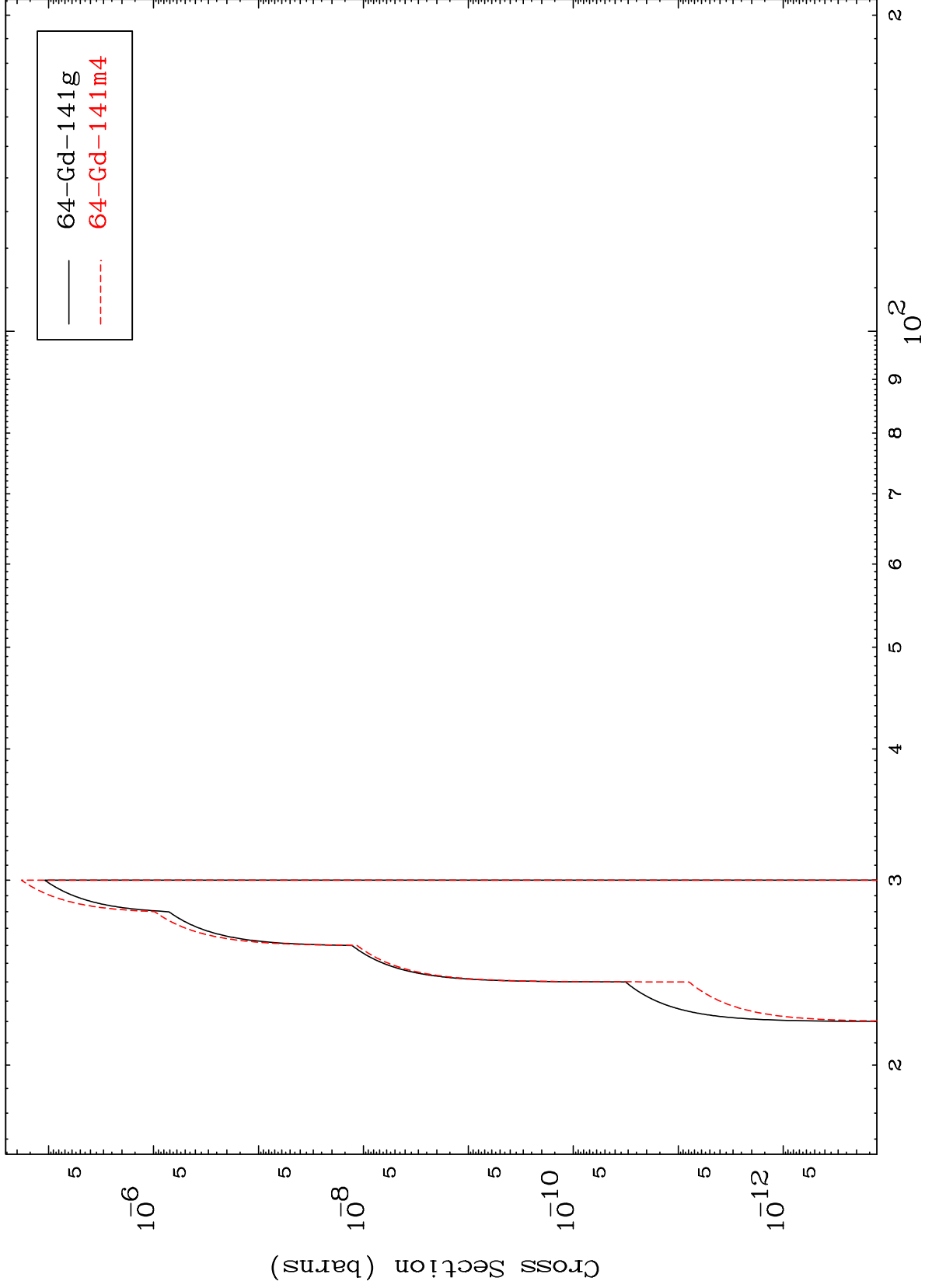
64-Gd-140

MAT 6389

(α, p) d

$^{64}\text{Gd}-140$

Radionuclide Production Cross Section



19

Incident Energy (MeV)

$^{64}\text{Gd}-140$