

Program EVALPLOT
(Version 2018-1)

by

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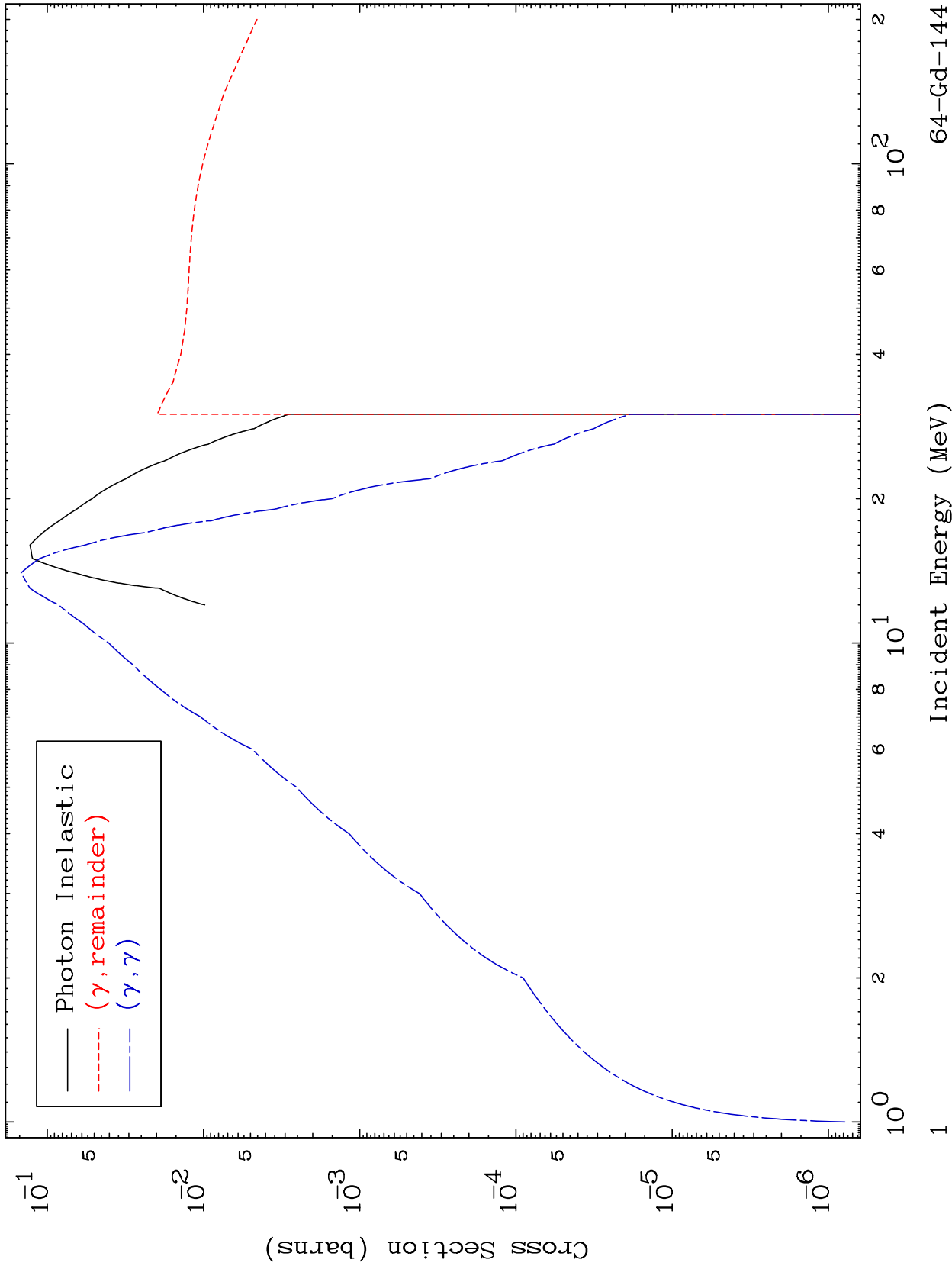
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6401

Photon Major
0 Kelvin Cross Sections

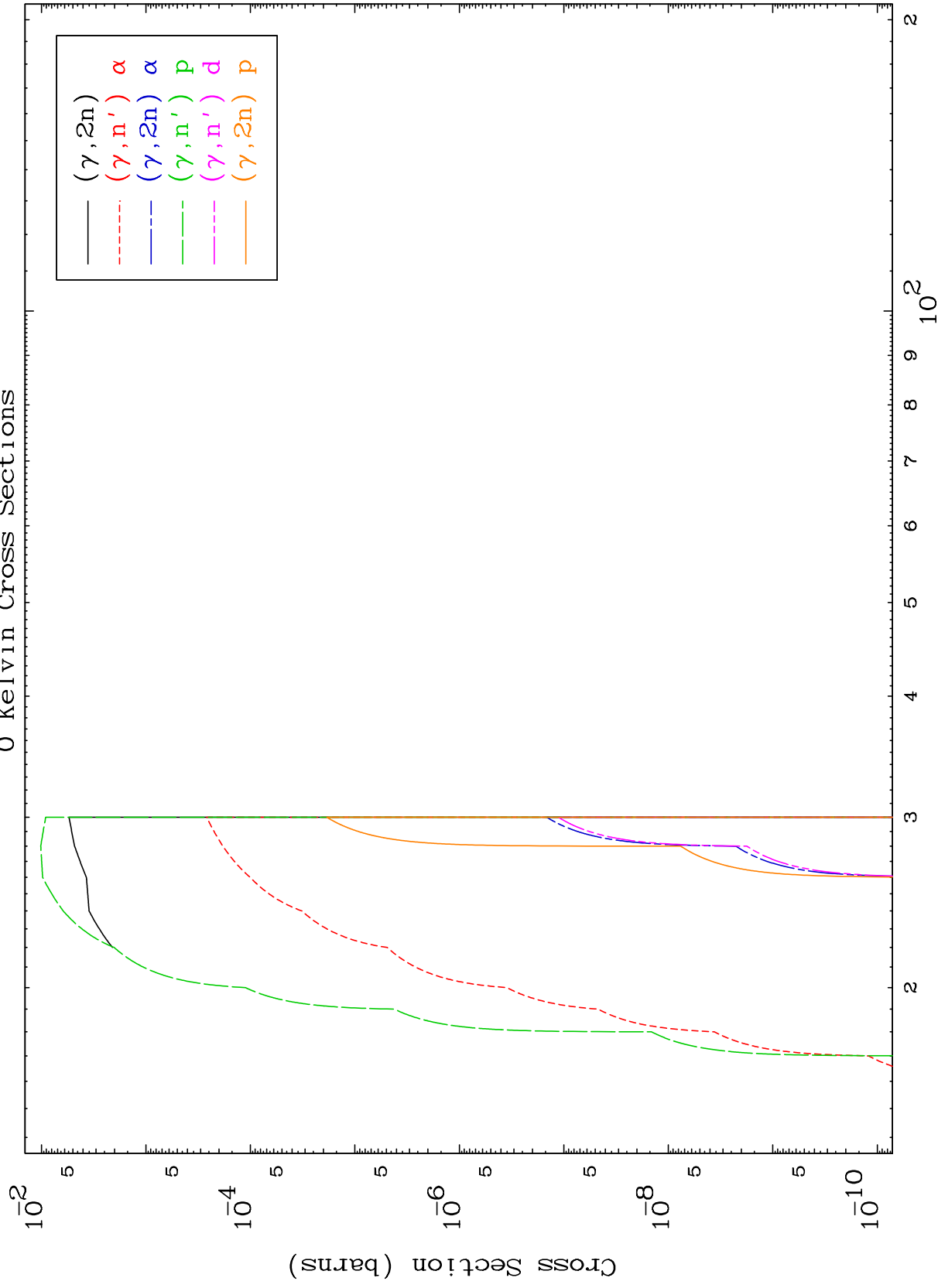
64-Gd-144



MAT 6401

Photon Neutron Production
0 Kelvin Cross Sections

64-Gd-144



2

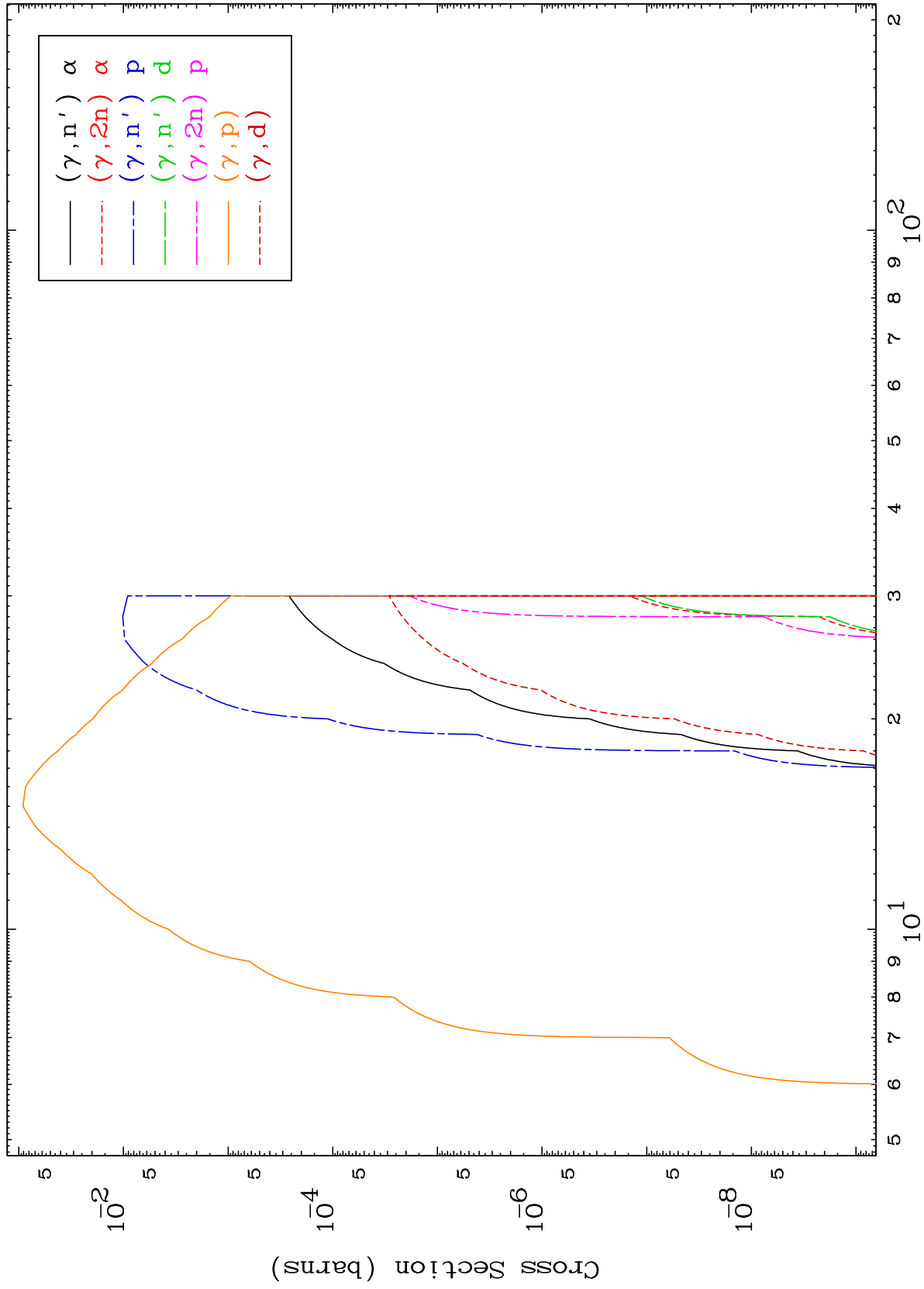
Incident Energy (MeV)

64-Gd-144

MAT 6401

Photon Charged Particle
0 Kelvin Cross Sections

64-Gd-144



3

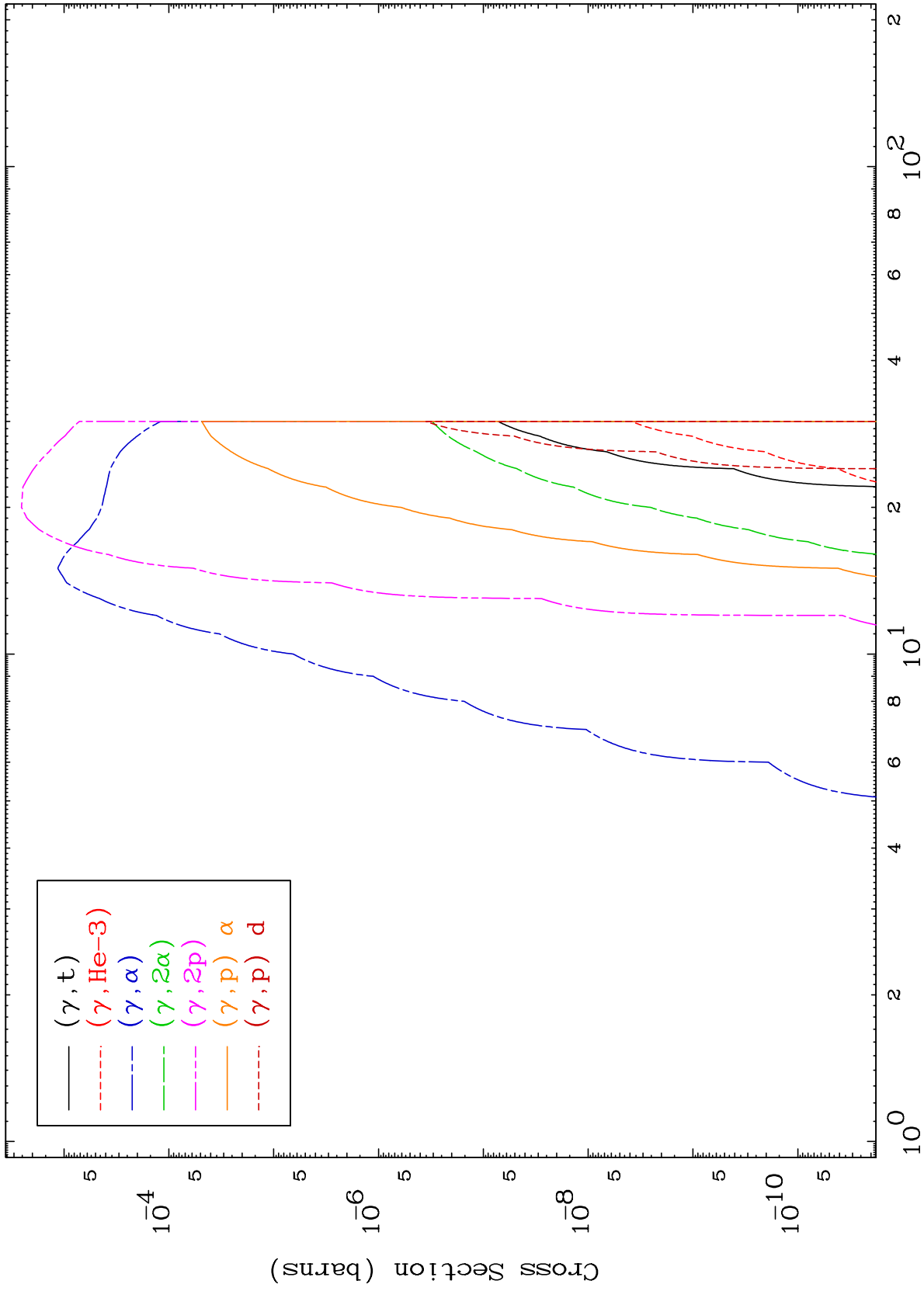
Incident Energy (MeV)

64-Gd-144

MAT 6401

Photon Charged Particle
0 Kelvin Cross Sections

64-Gd-144

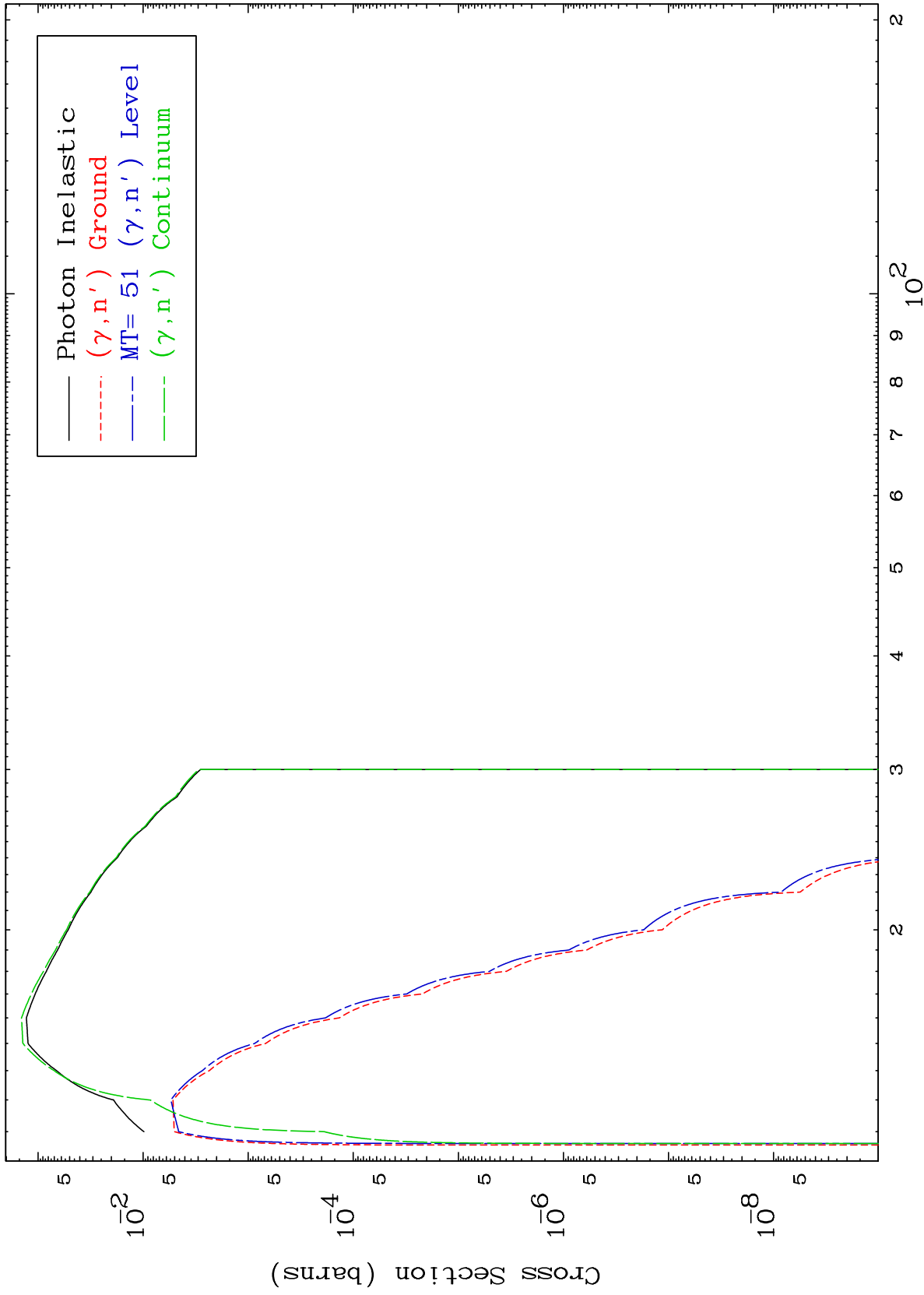


64-Gd-144

MAT 6401

(γ, n') Level
0 Kelvin Cross Sections

64-Gd-144



5

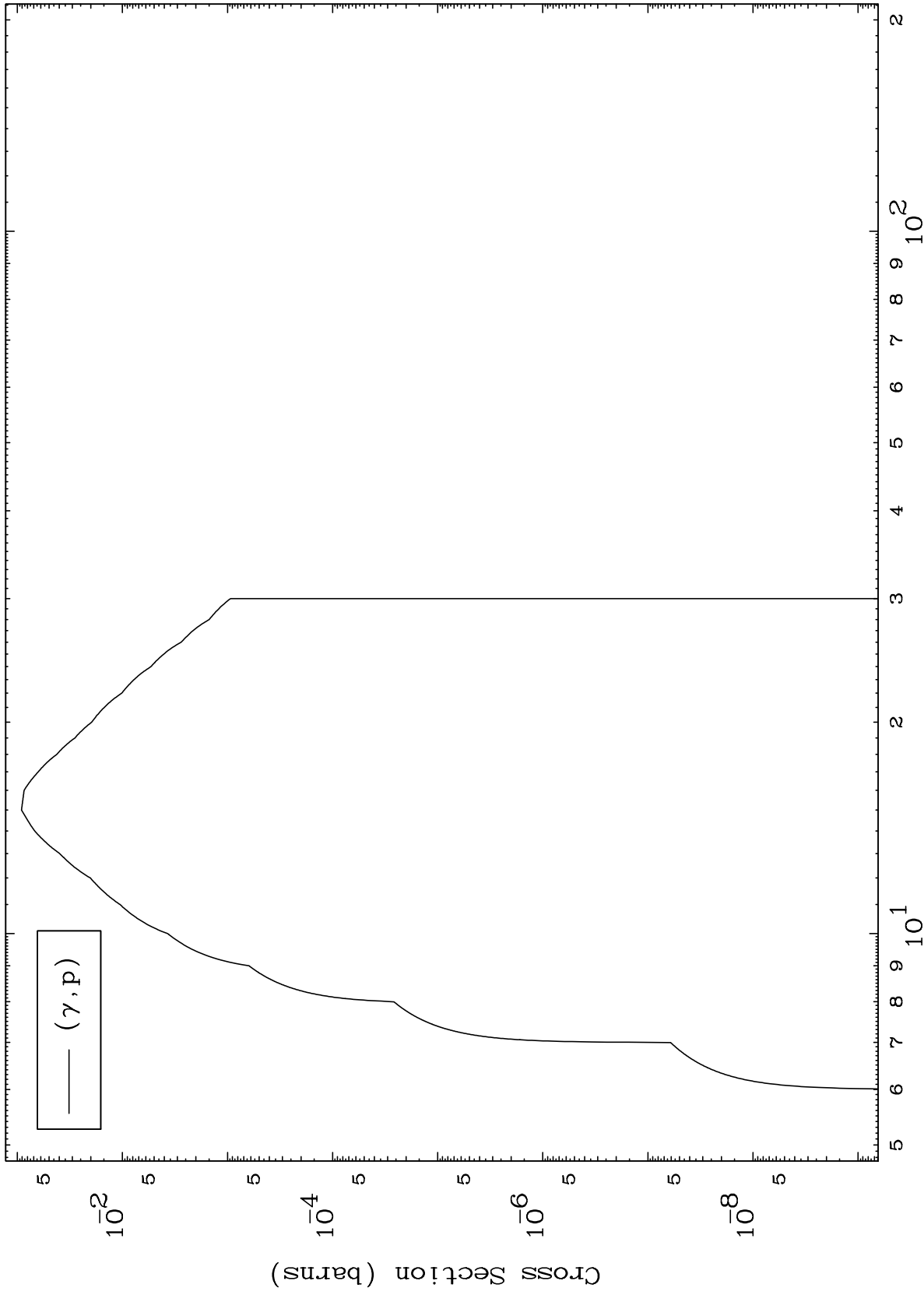
Incident Energy (MeV)

64-Gd-144

MAT 6401

(γ, p) Levels
0 Kelvin Cross Sections

64-Gd-144



6

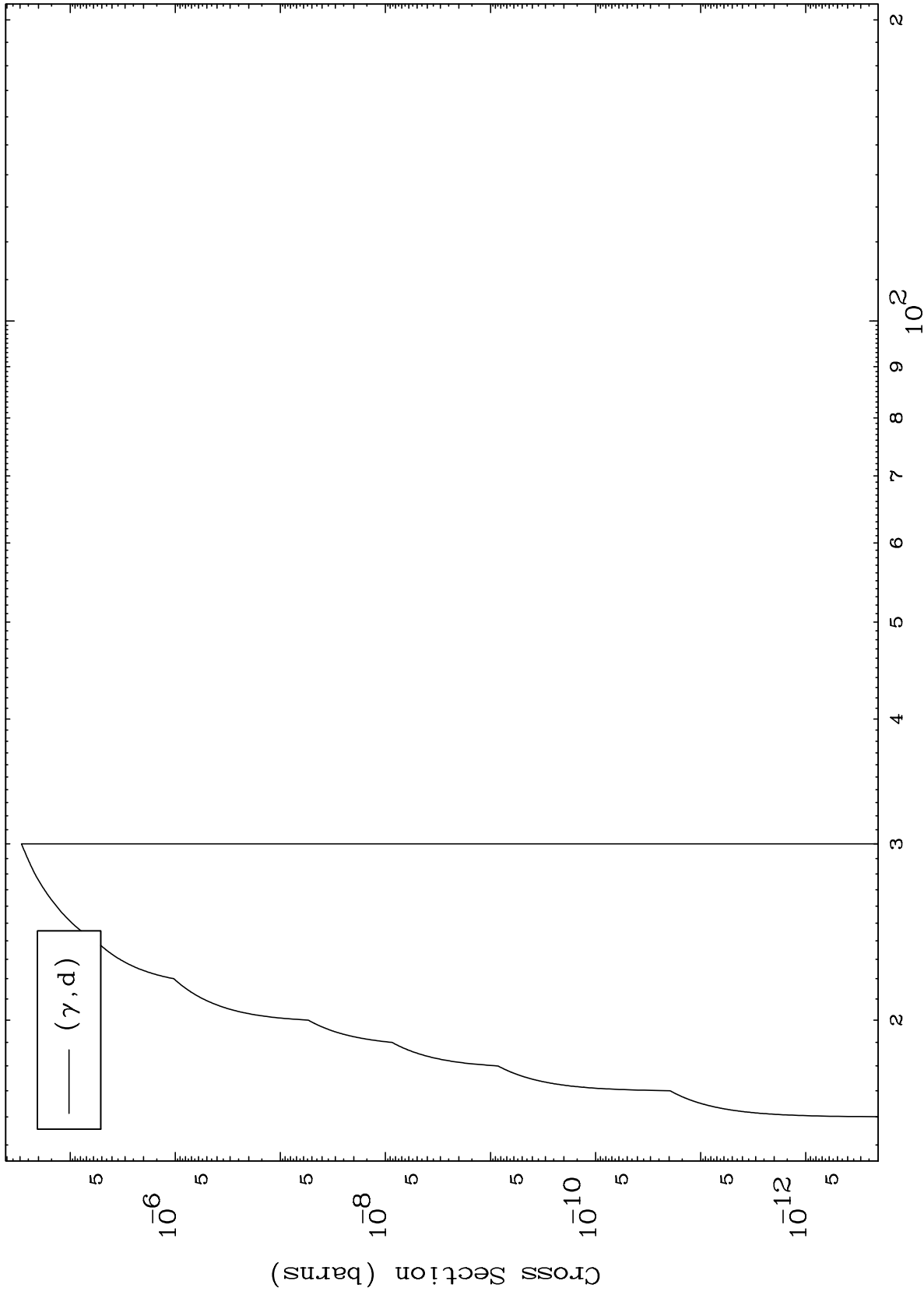
Incident Energy (MeV)

64-Gd-144

MAT 6401

(γ, d) Levels
0 Kelvin Cross Sections

64-Gd-144



7

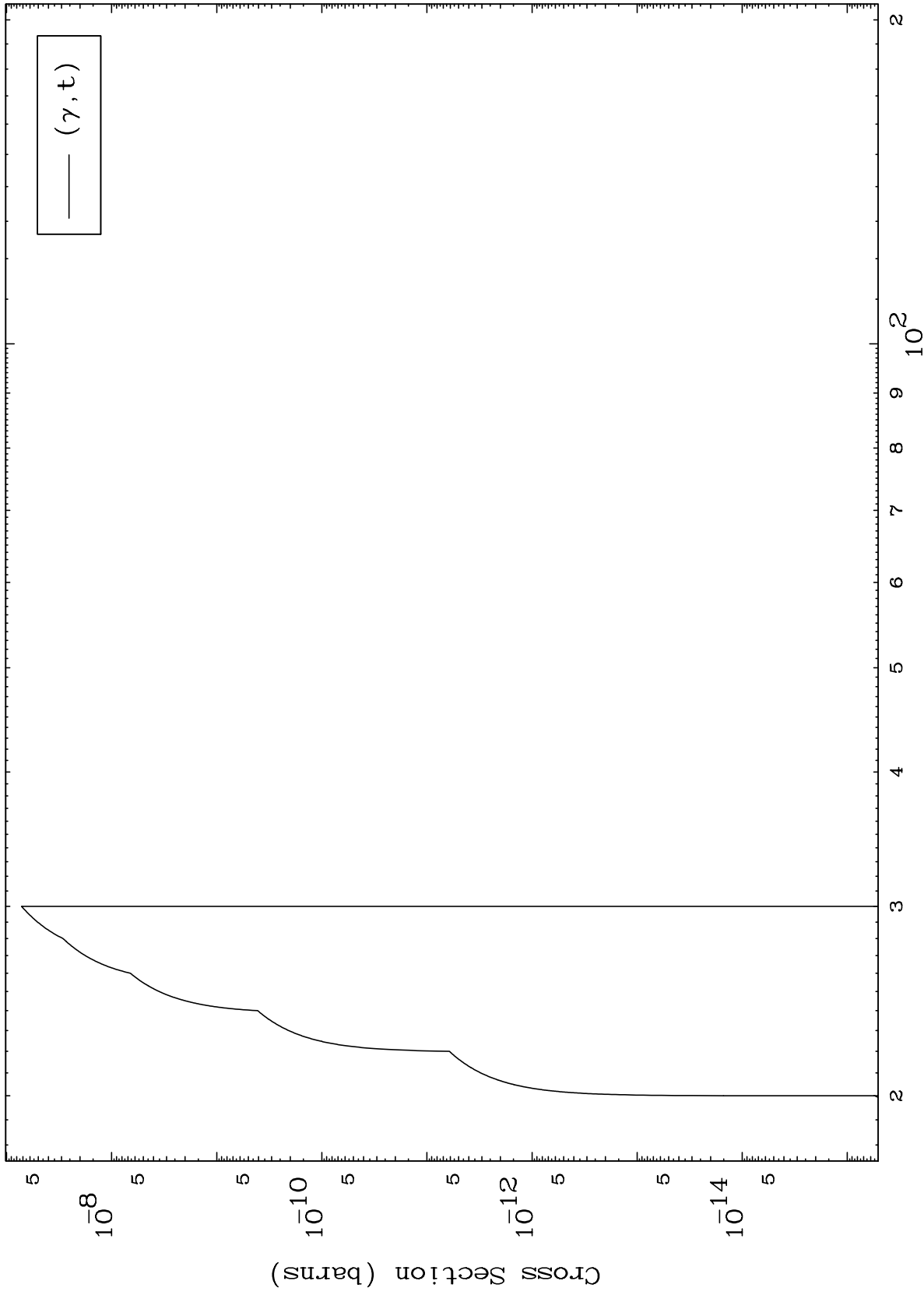
Incident Energy (MeV)

64-Gd-144

MAT 6401

(γ, t) Levels
0 Kelvin Cross Sections

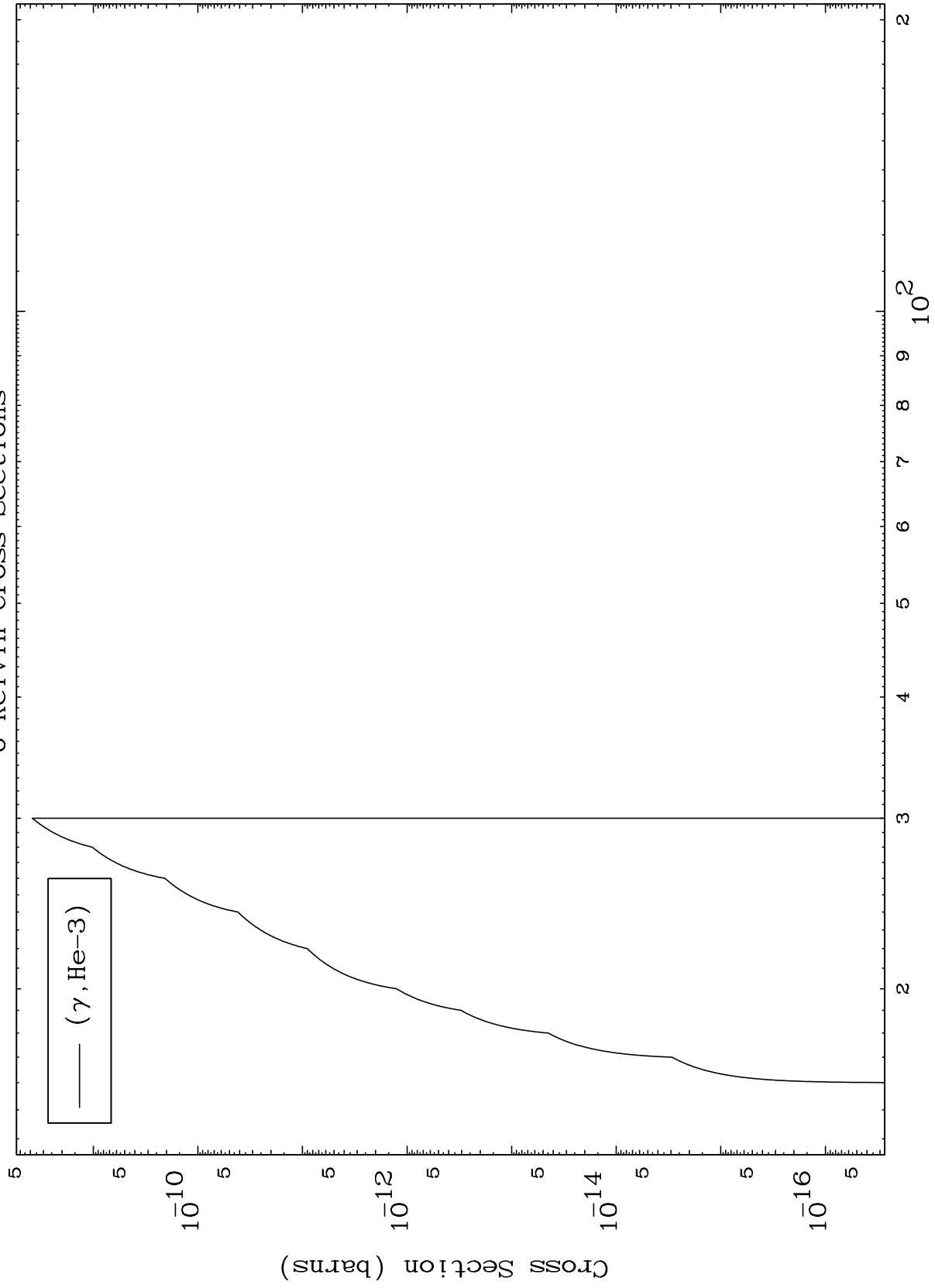
64-Gd-144



8

Incident Energy (MeV)

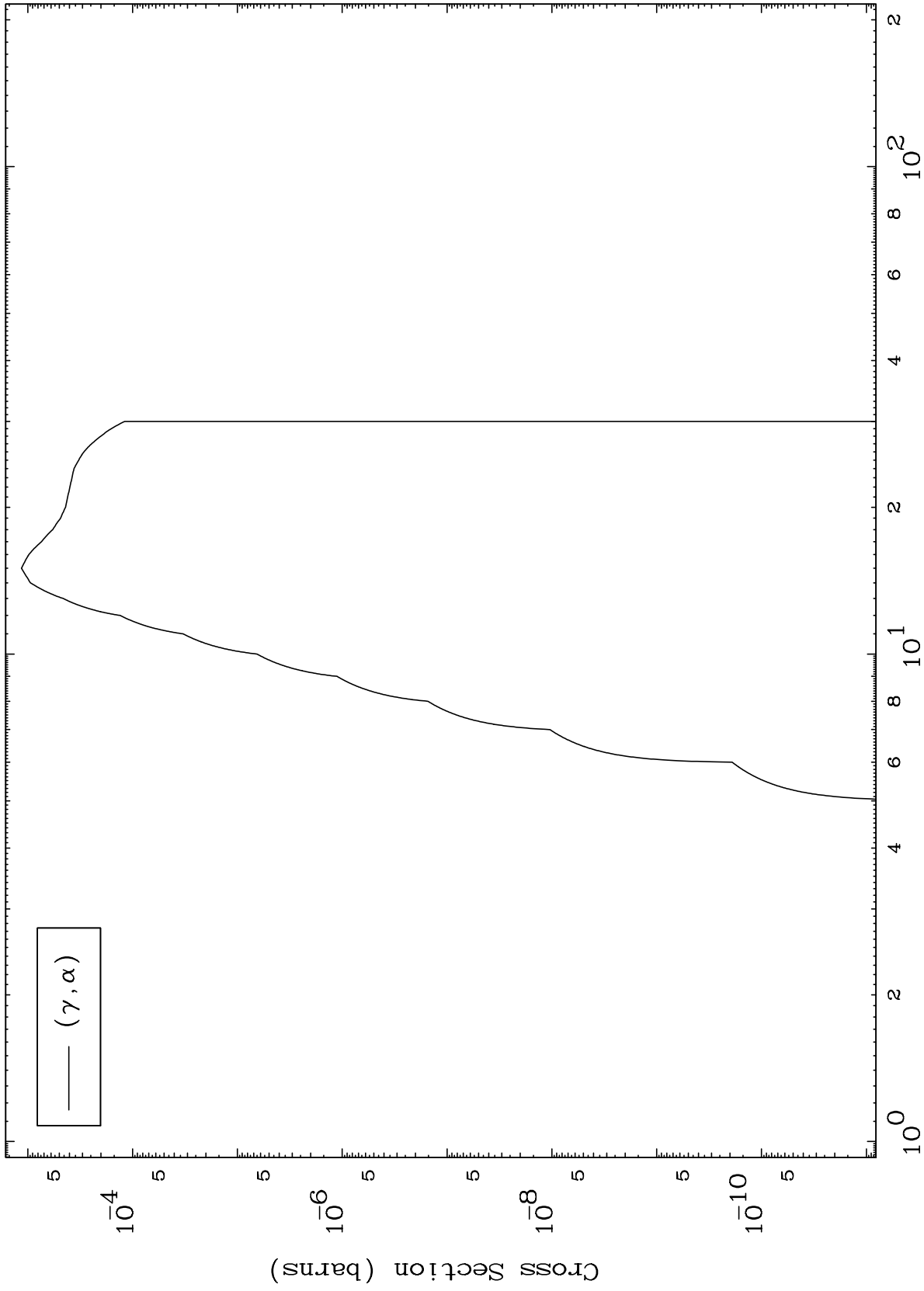
64-Gd-144



MAT 6401

(γ, α) Levels
0 Kelvin Cross Sections

64-Gd-144



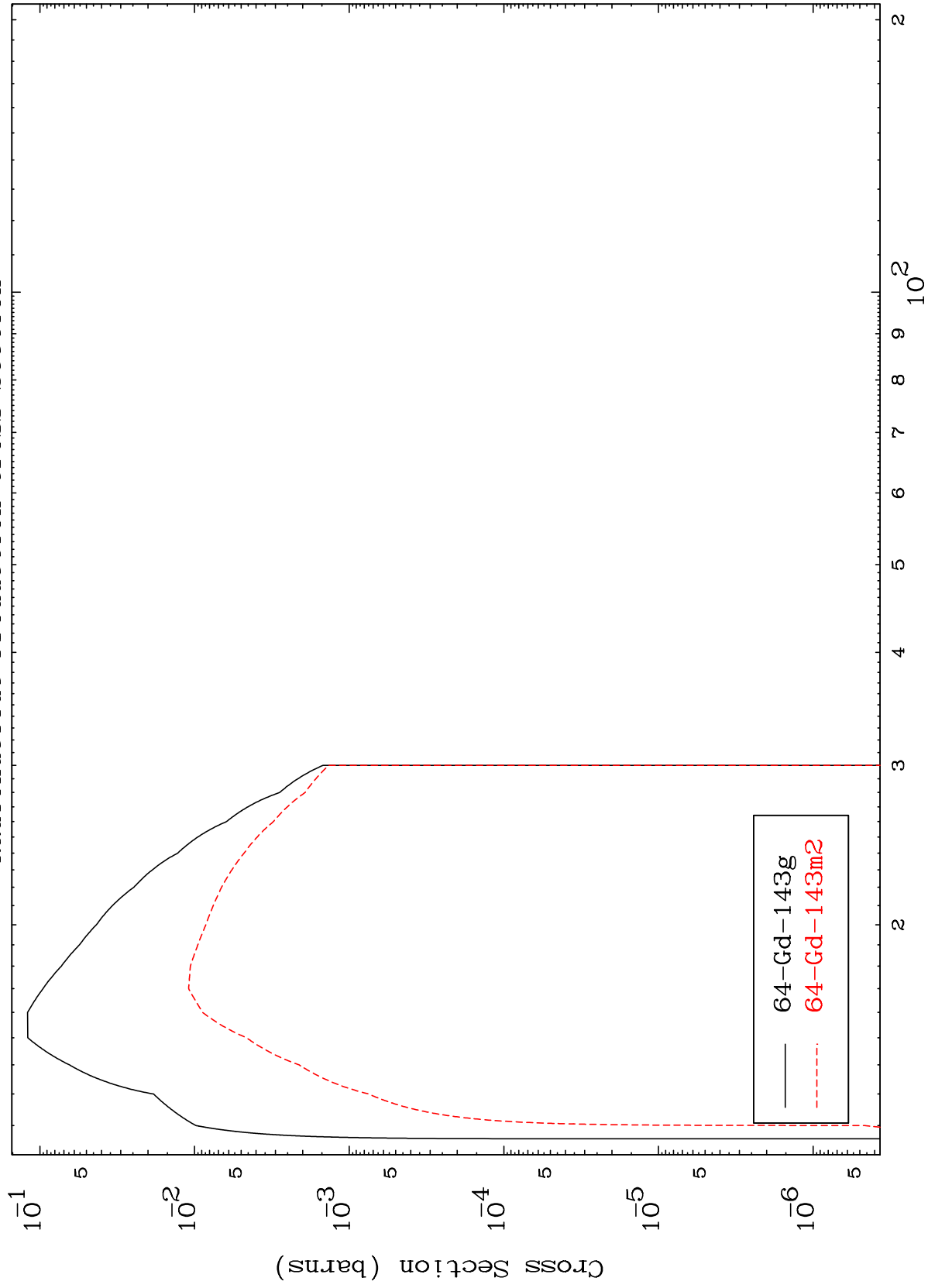
Incident Energy (MeV)

64-Gd-144

MAT 6401

Photon Inelastic
Radionuclide Production Cross Section

64-Gd-144



11

Incident Energy (MeV)

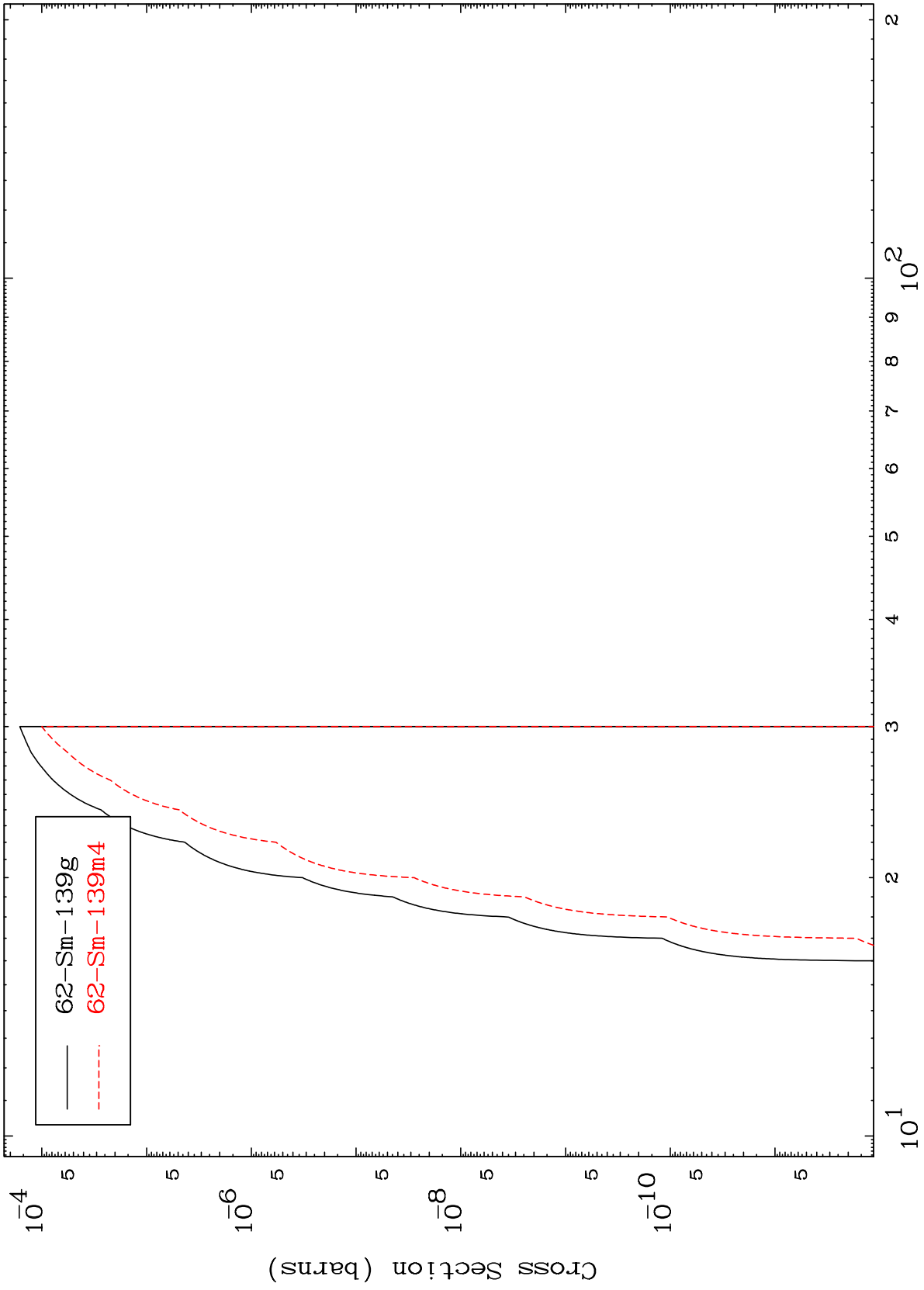
64-Gd-144

MAT 6401

(γ, n') α

64-Gd-144

Radionuclide Production Cross Section

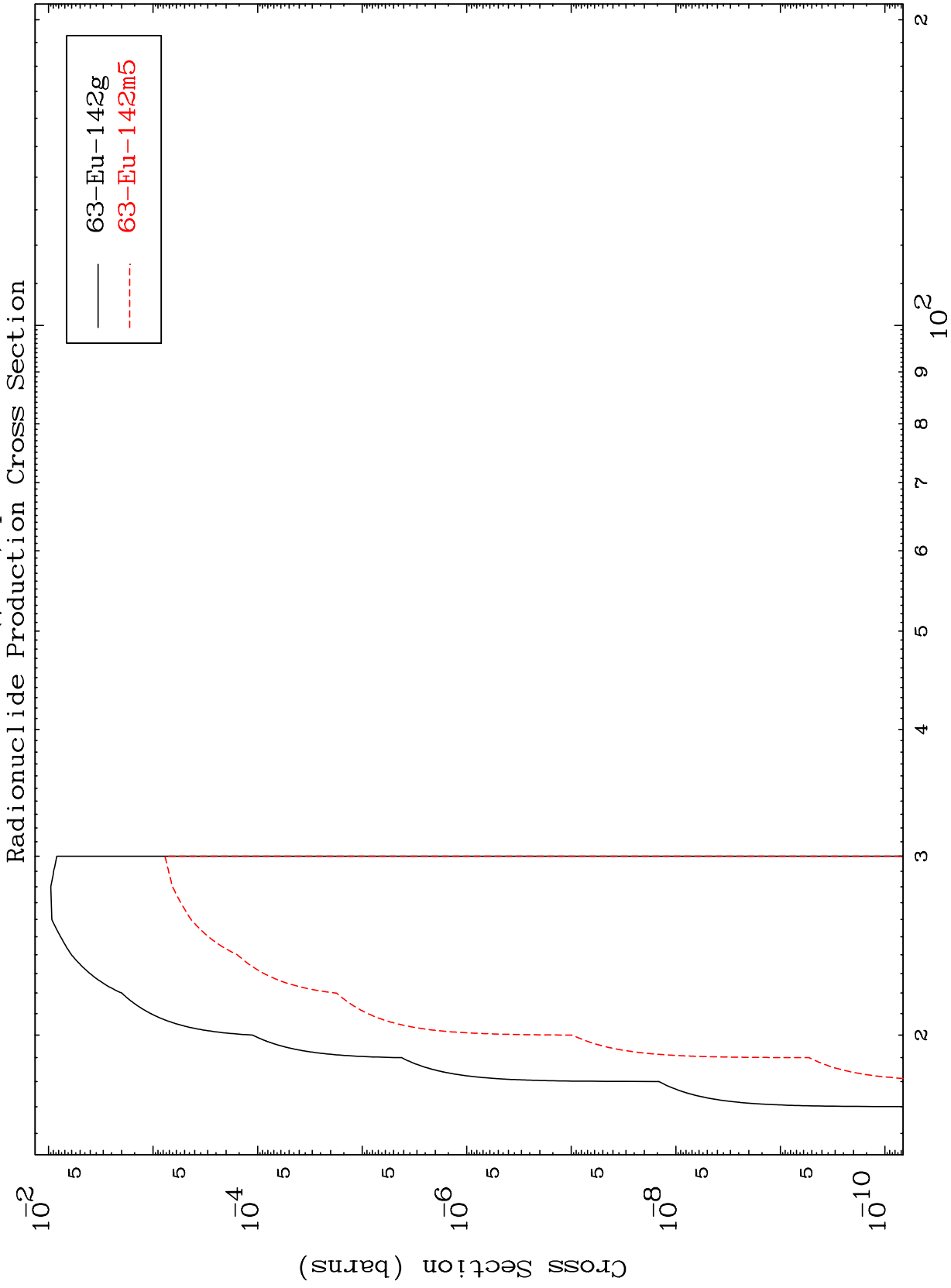


62-Sm-139g
62-Sm-139m4

MAT 6401

(γ, n') p

64-Gd-144



13

Incident Energy (MeV)

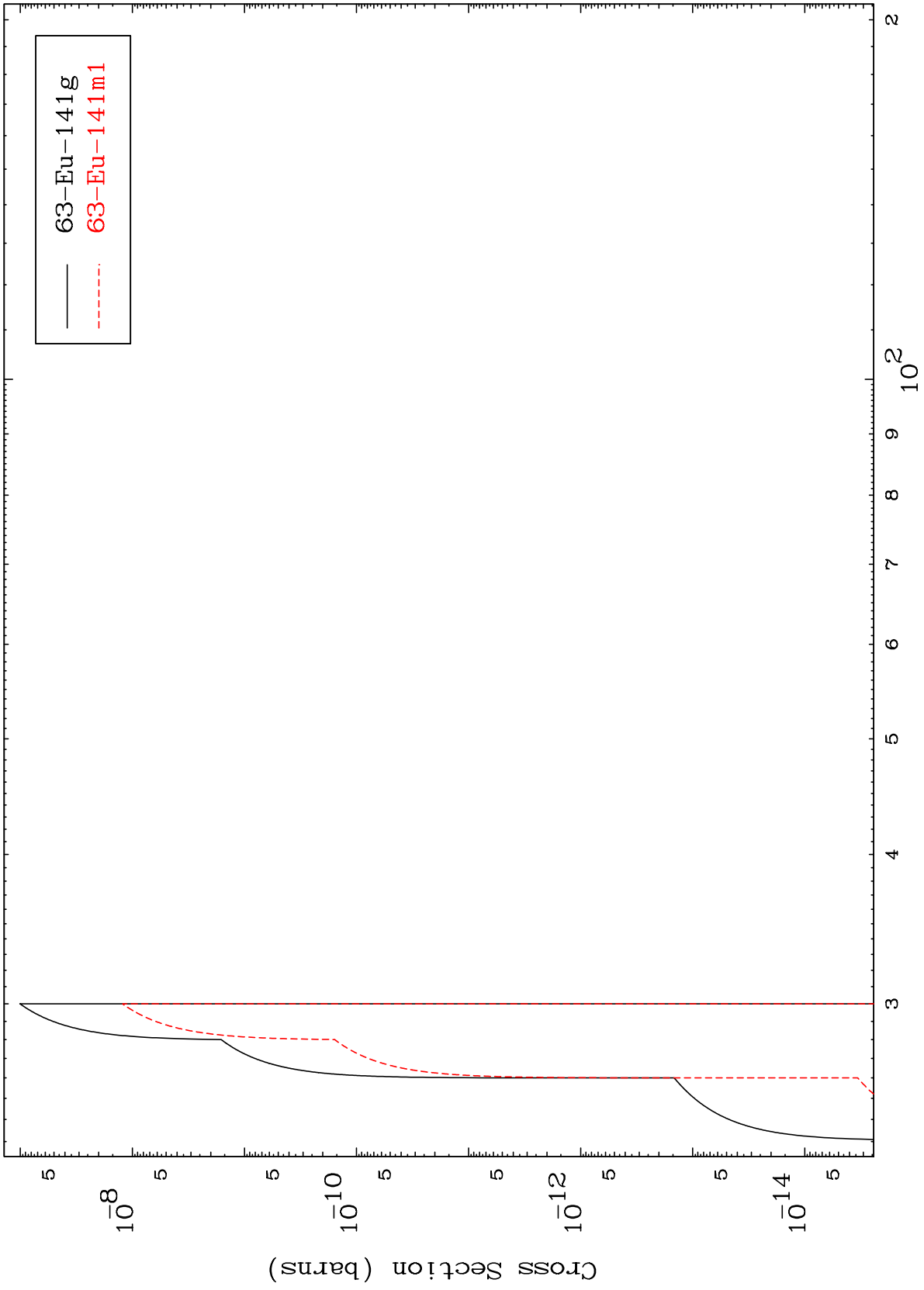
64-Gd-144

MAT 6401

(γ, n') d

64-Gd-144

Radionuclide Production Cross Section



14

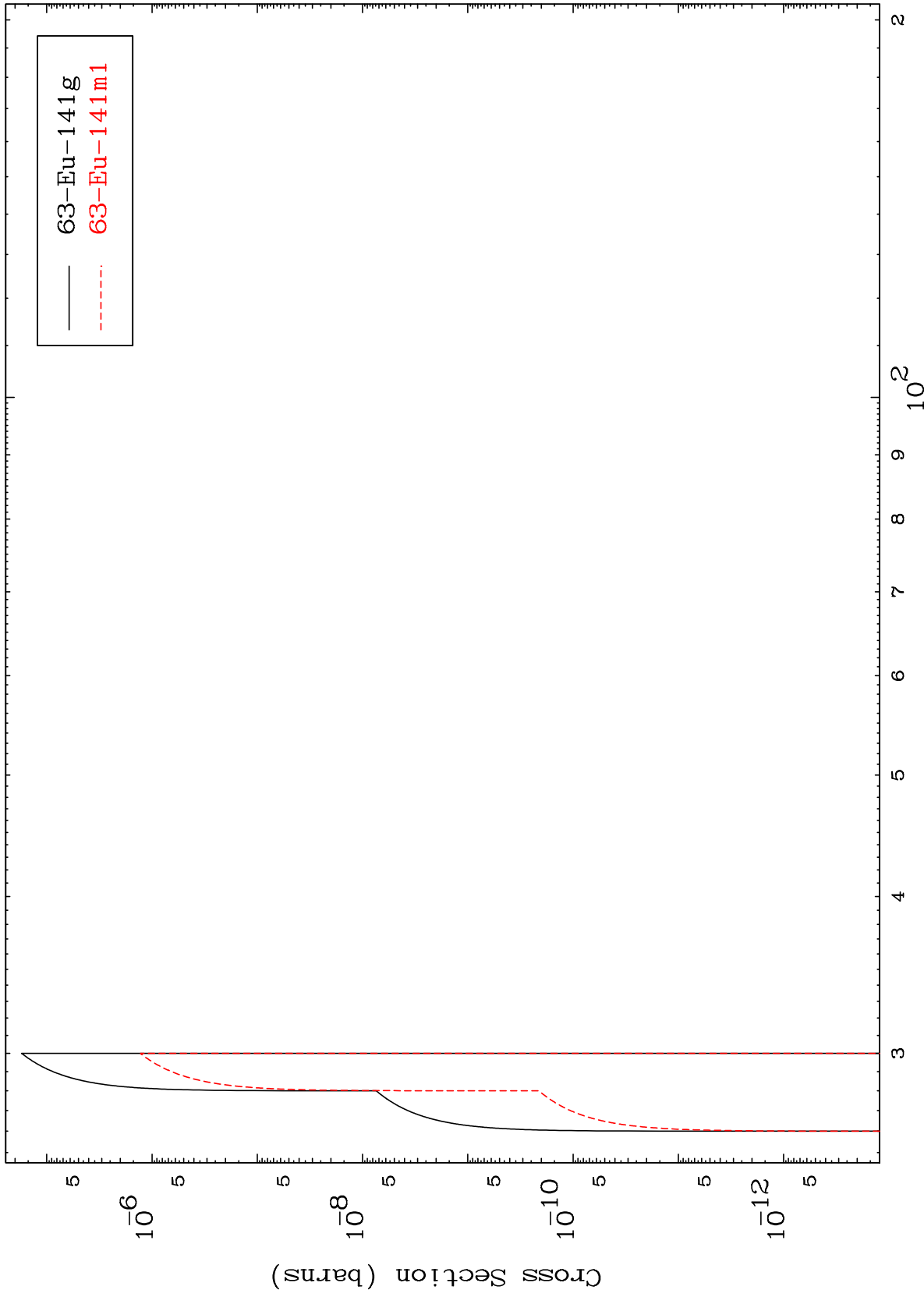
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

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



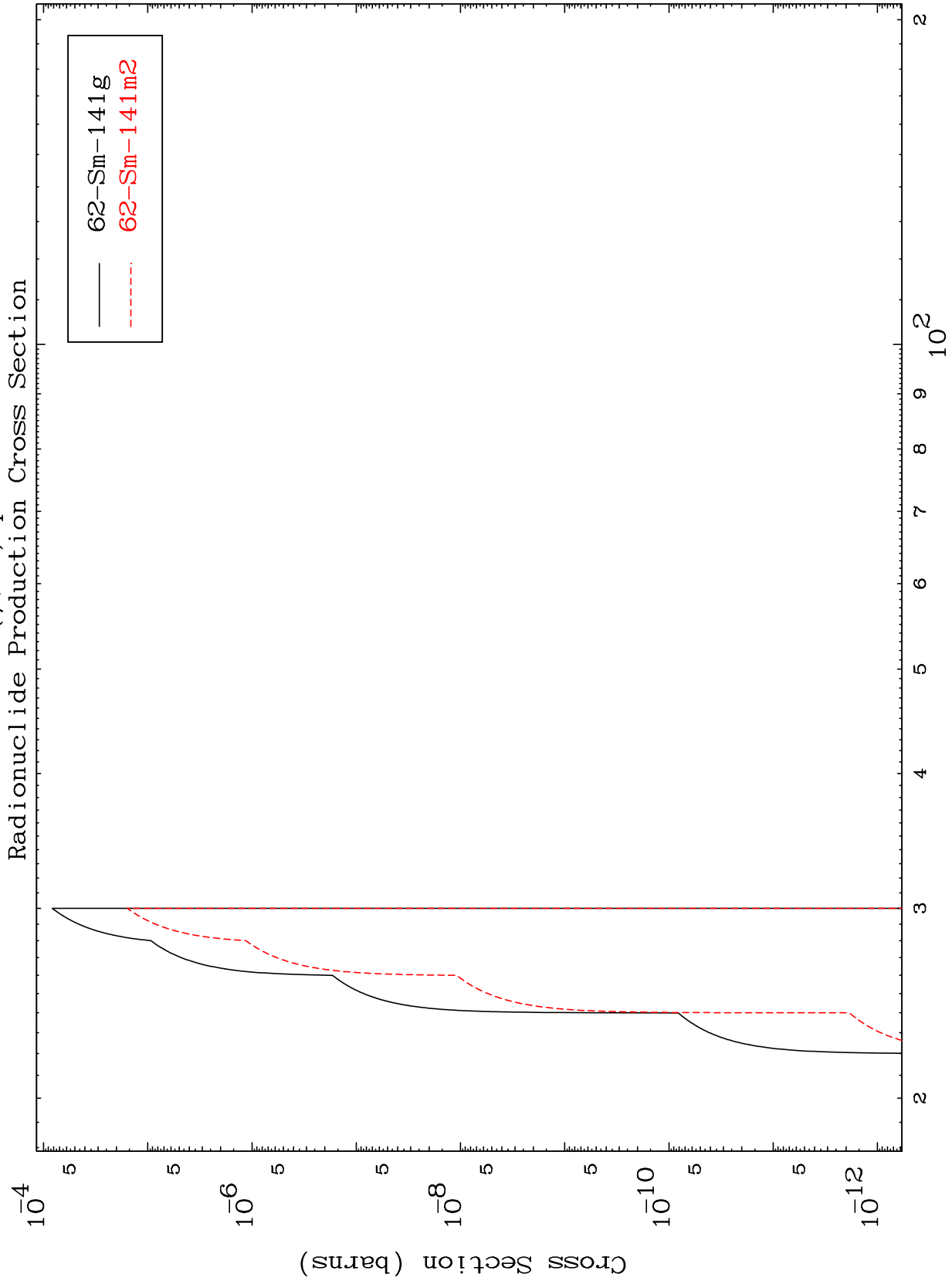
15

64-Gd-144

MAT 6401

($\gamma, 2n$) p

64-Gd-144



16

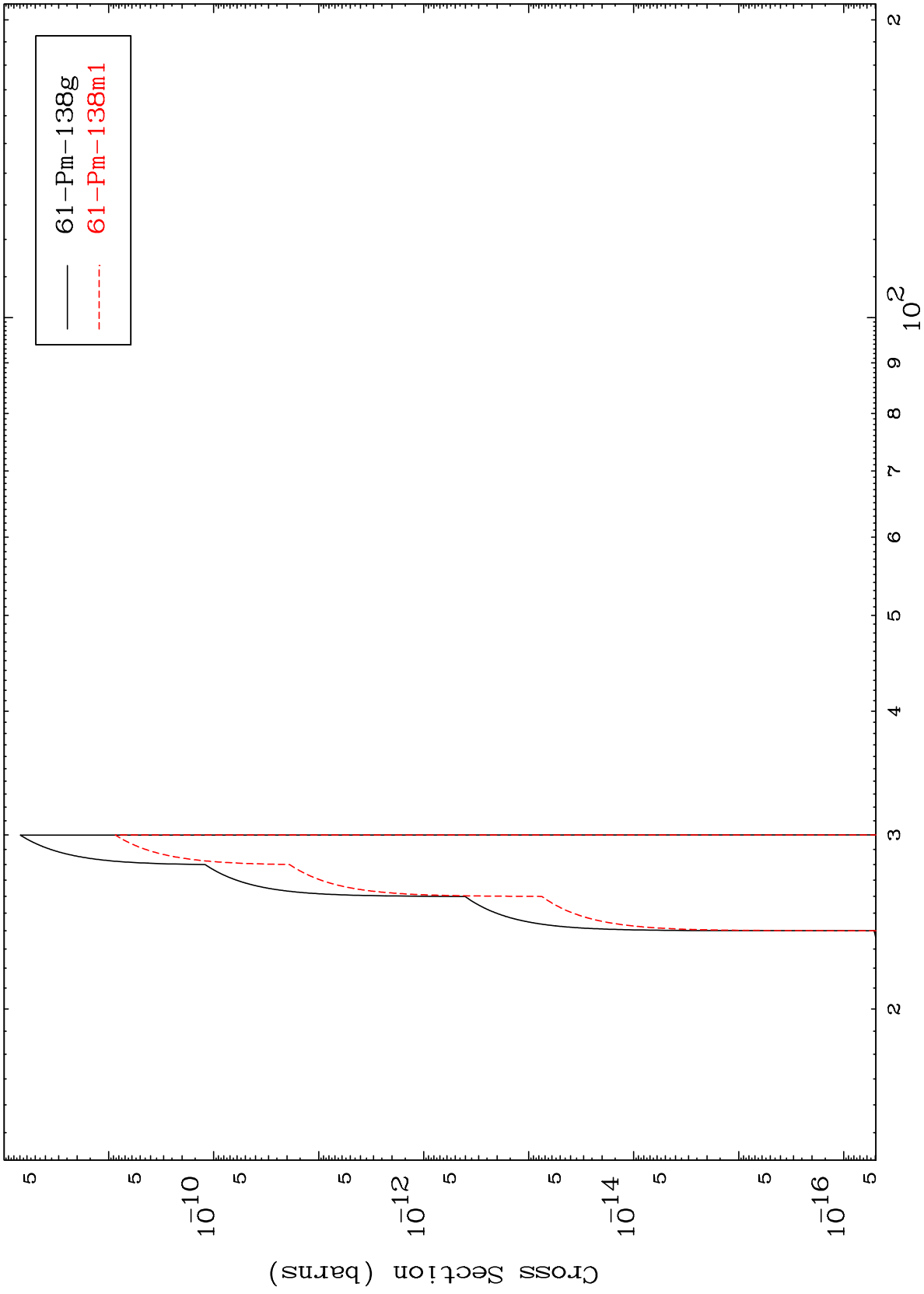
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

(γ, n') p α
Radionuclide Production Cross Section



17

64-Gd-144

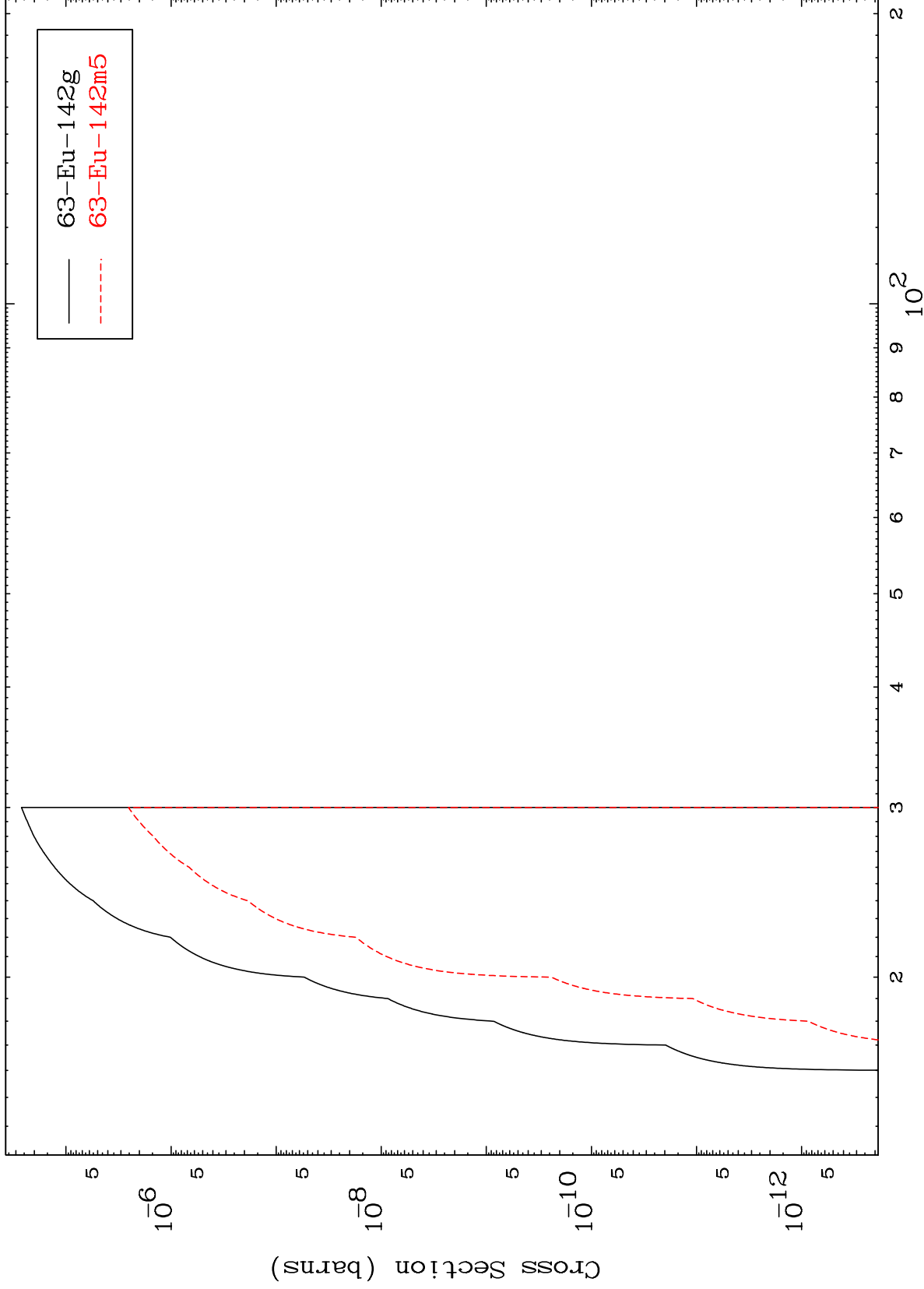
Incident Energy (MeV)

MAT 6401

(γ, d)

64-Gd-144

Radionuclide Production Cross Section



18

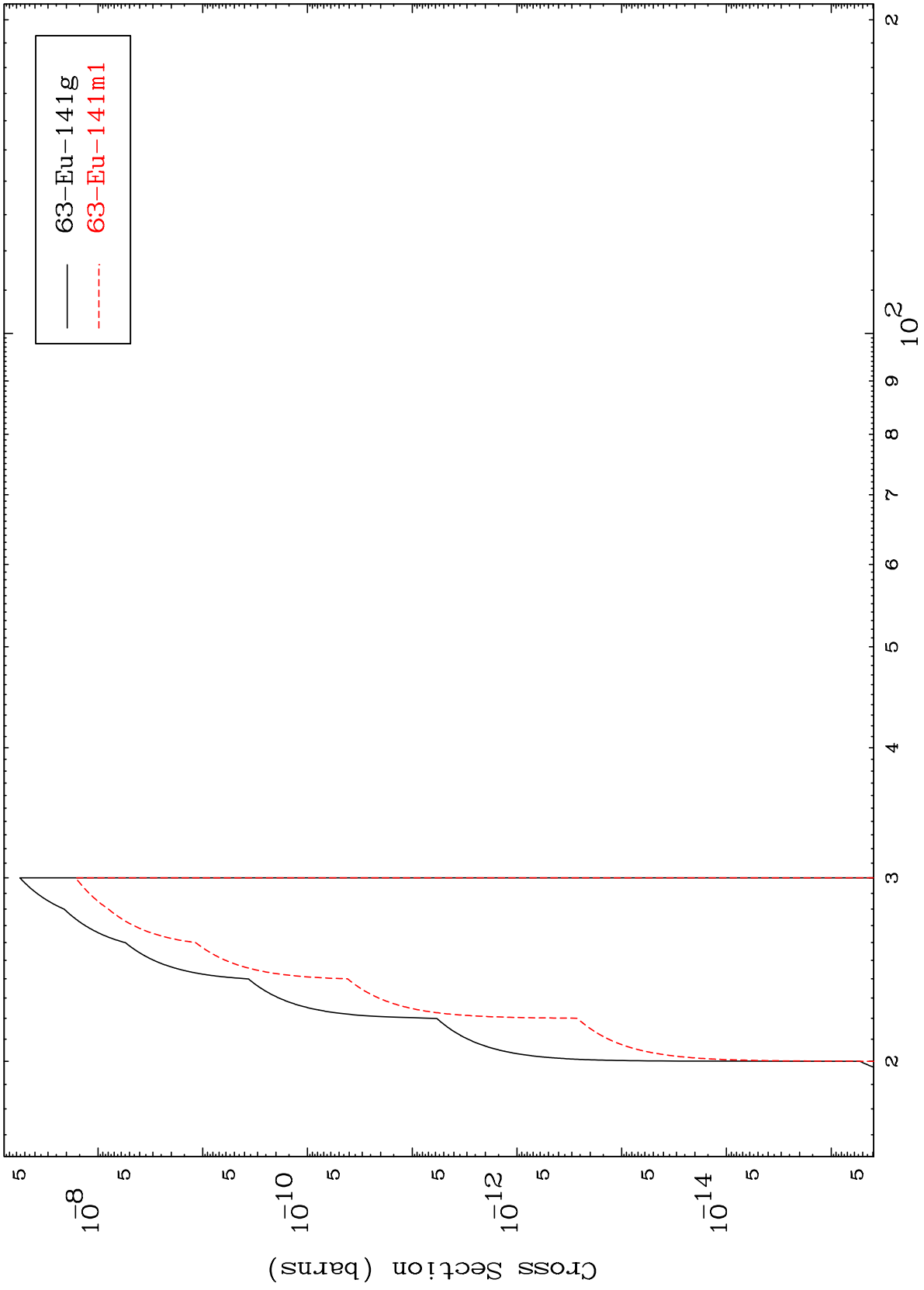
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

(γ, t)
Radionuclide Production Cross Section



19

Incident Energy (MeV)

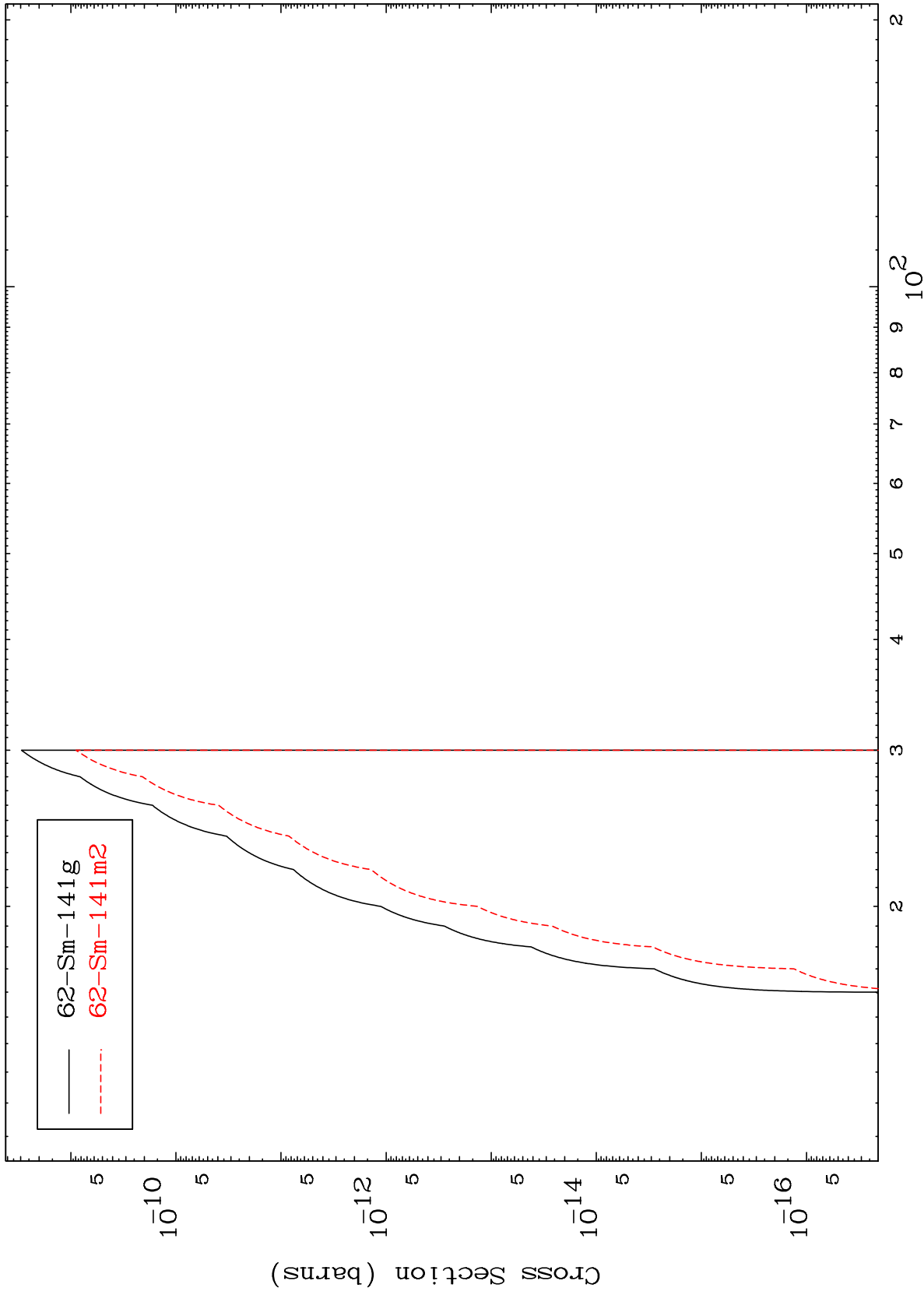
64-Gd-144

MAT 6401

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

64-Gd-144

Radionuclide Production Cross Section



20

Incident Energy (MeV)

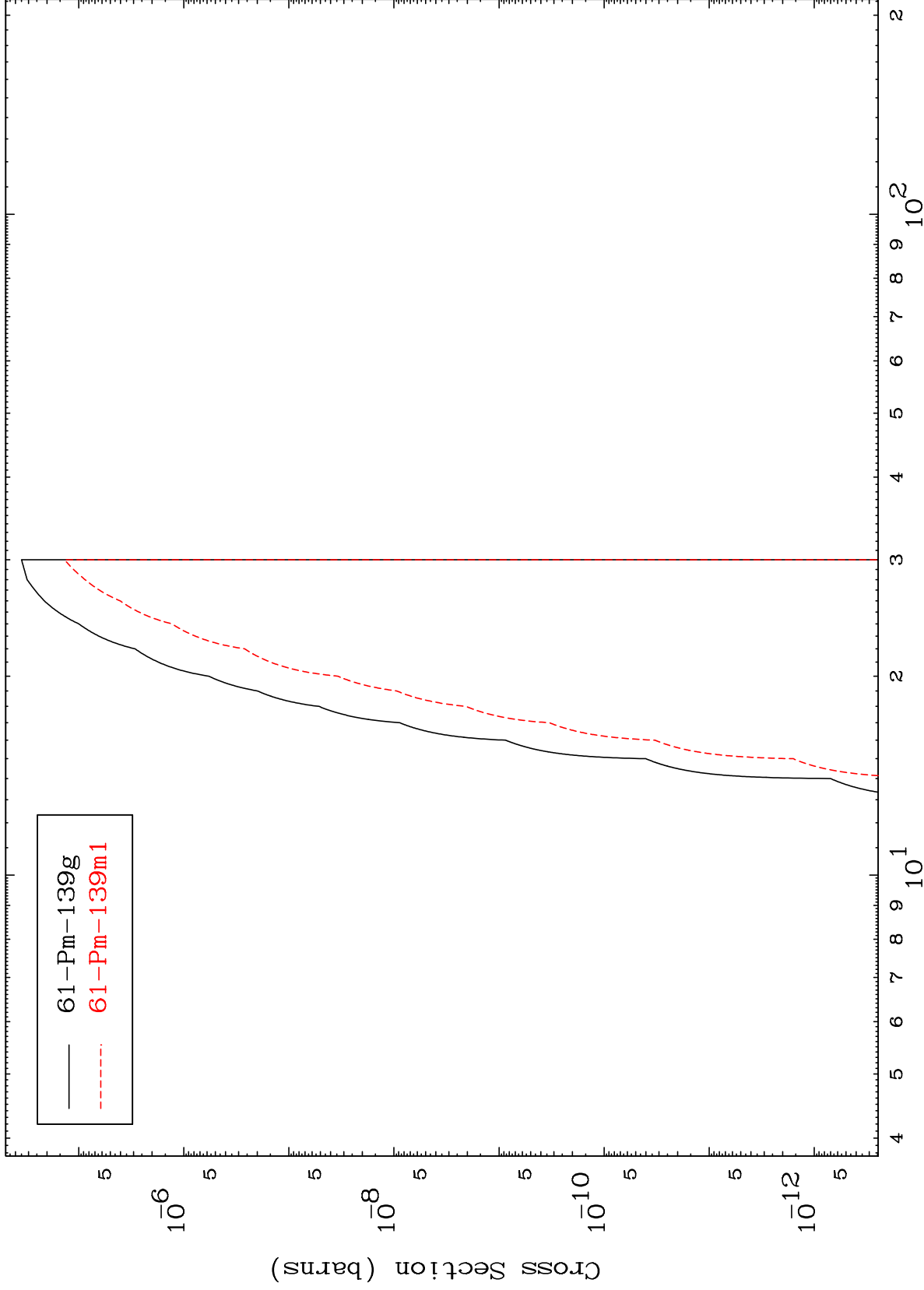
64-Gd-144

MAT 6401

(γ, p) α

64-Gd-144

Radionuclide Production Cross Section



61-Pm-139g
61-Pm-139m1

21

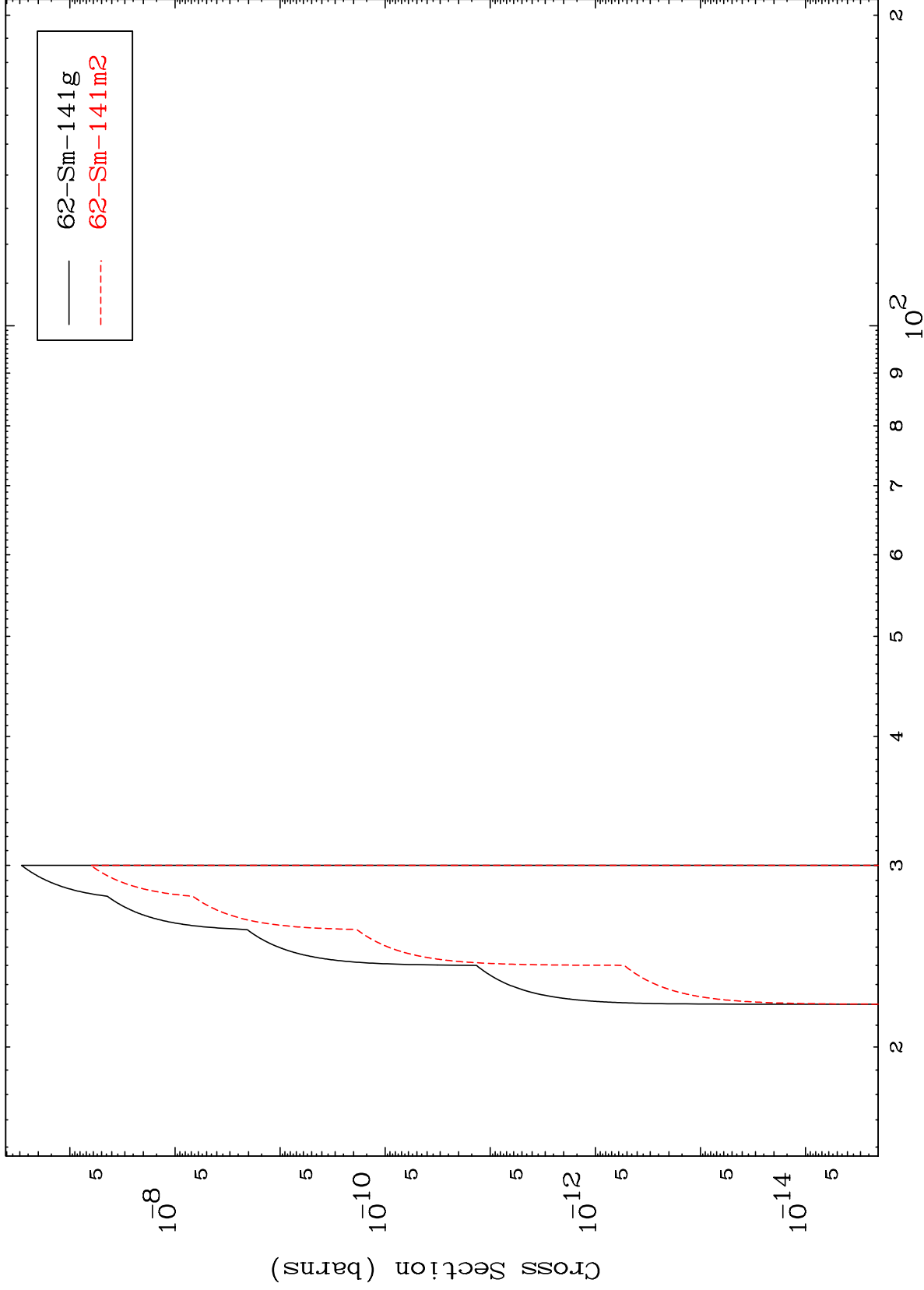
64-Gd-144

MAT 6401

(γ, p) d

64-Gd-144

Radionuclide Production Cross Section



22

Incident Energy (MeV)

64-Gd-144