

Program EVALPLOT
(Version 2018-1)

by

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(Present Contact Information)

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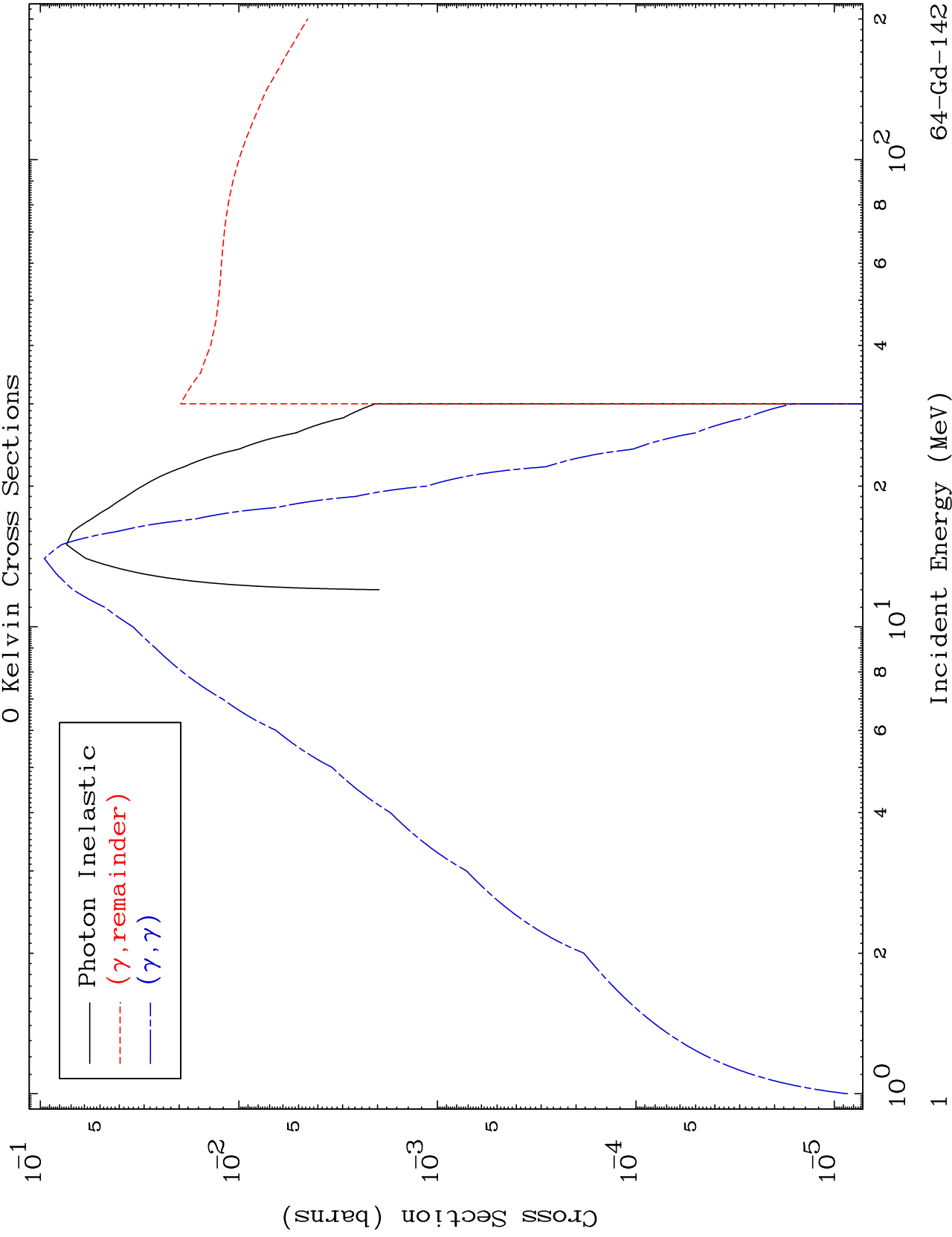
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

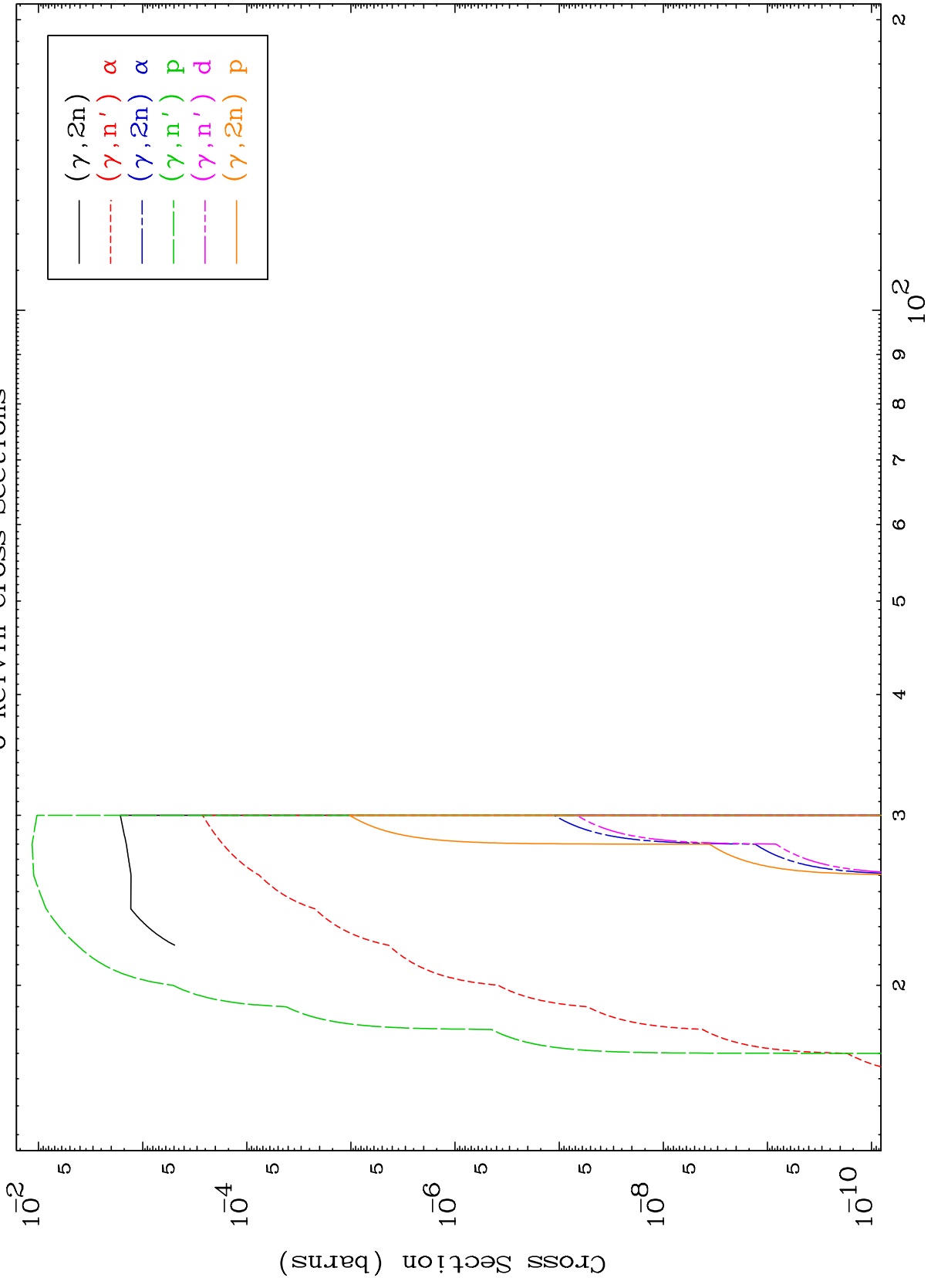
MAT 6395

Photon Major
0 Kelvin Cross Sections

64-Gd-142



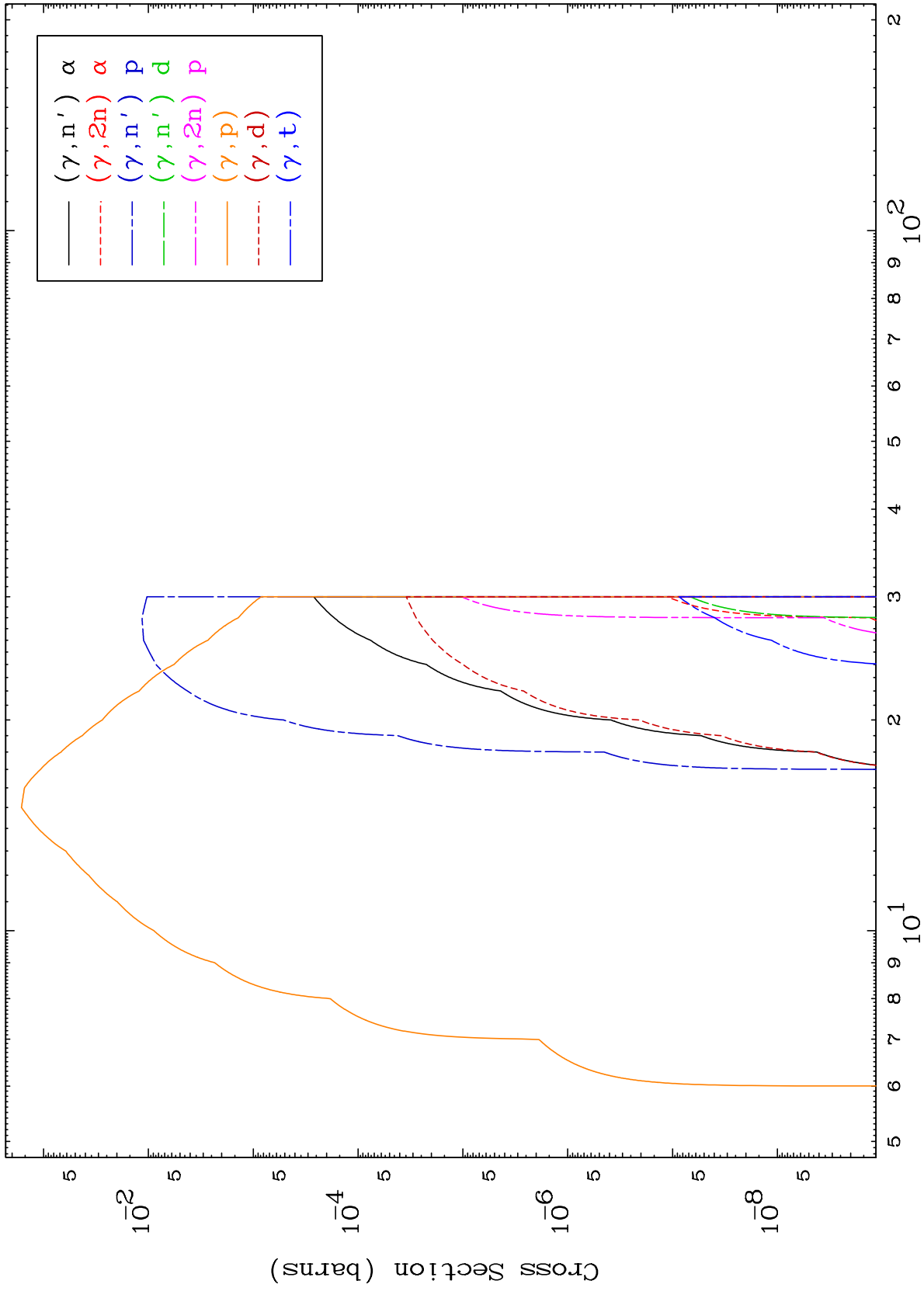
64-Gd-142



MAT 6395

Photon Charged Particle
0 Kelvin Cross Sections

64-Gd-142



3

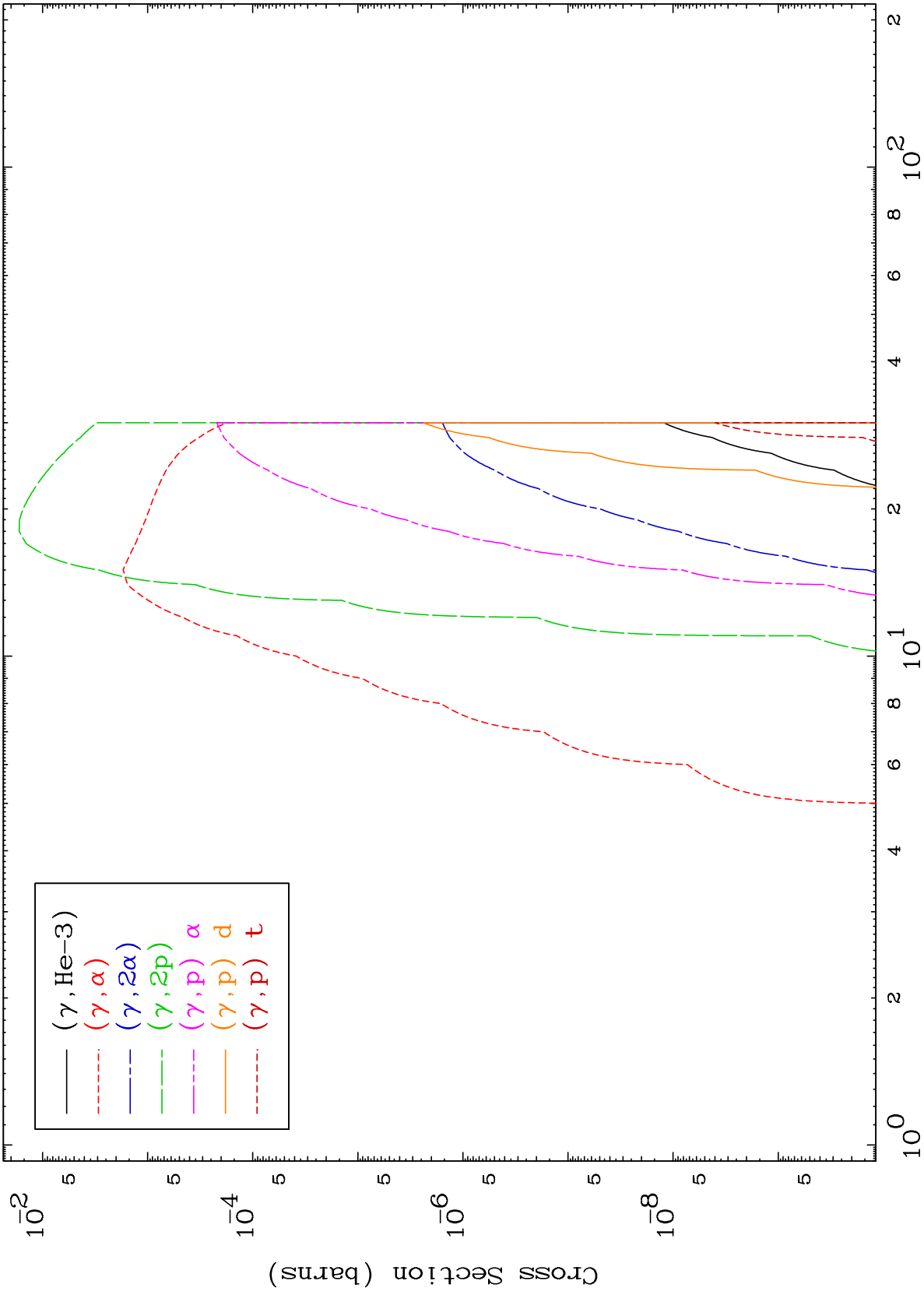
Incident Energy (MeV)

64-Gd-142

MAT 6395

Photon Charged Particle
0 Kelvin Cross Sections

64-Gd-142



64-Gd-142

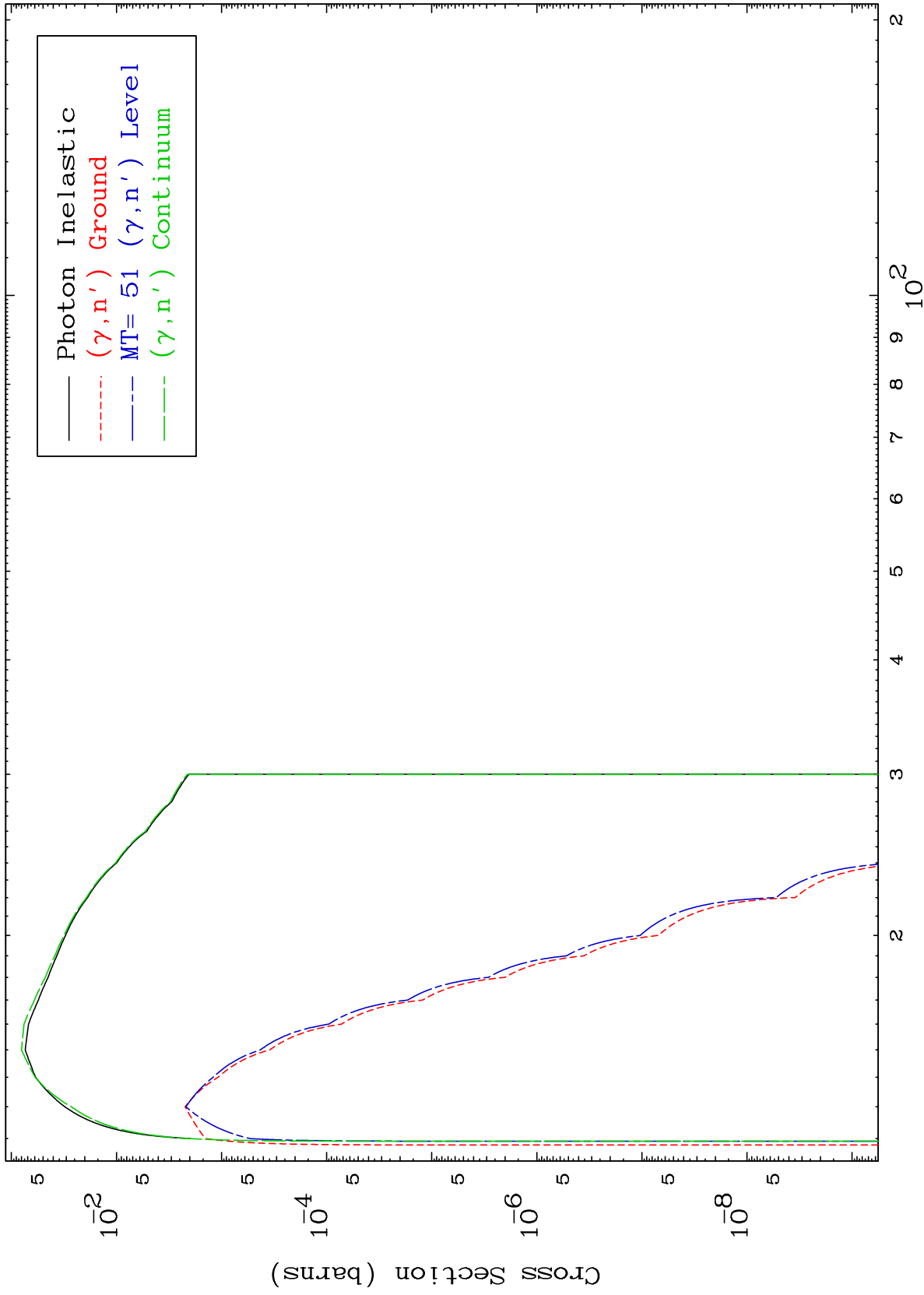
Incident Energy (MeV)

4

MAT 6395

(γ, n') Level
0 Kelvin Cross Sections

64-Gd-142



5

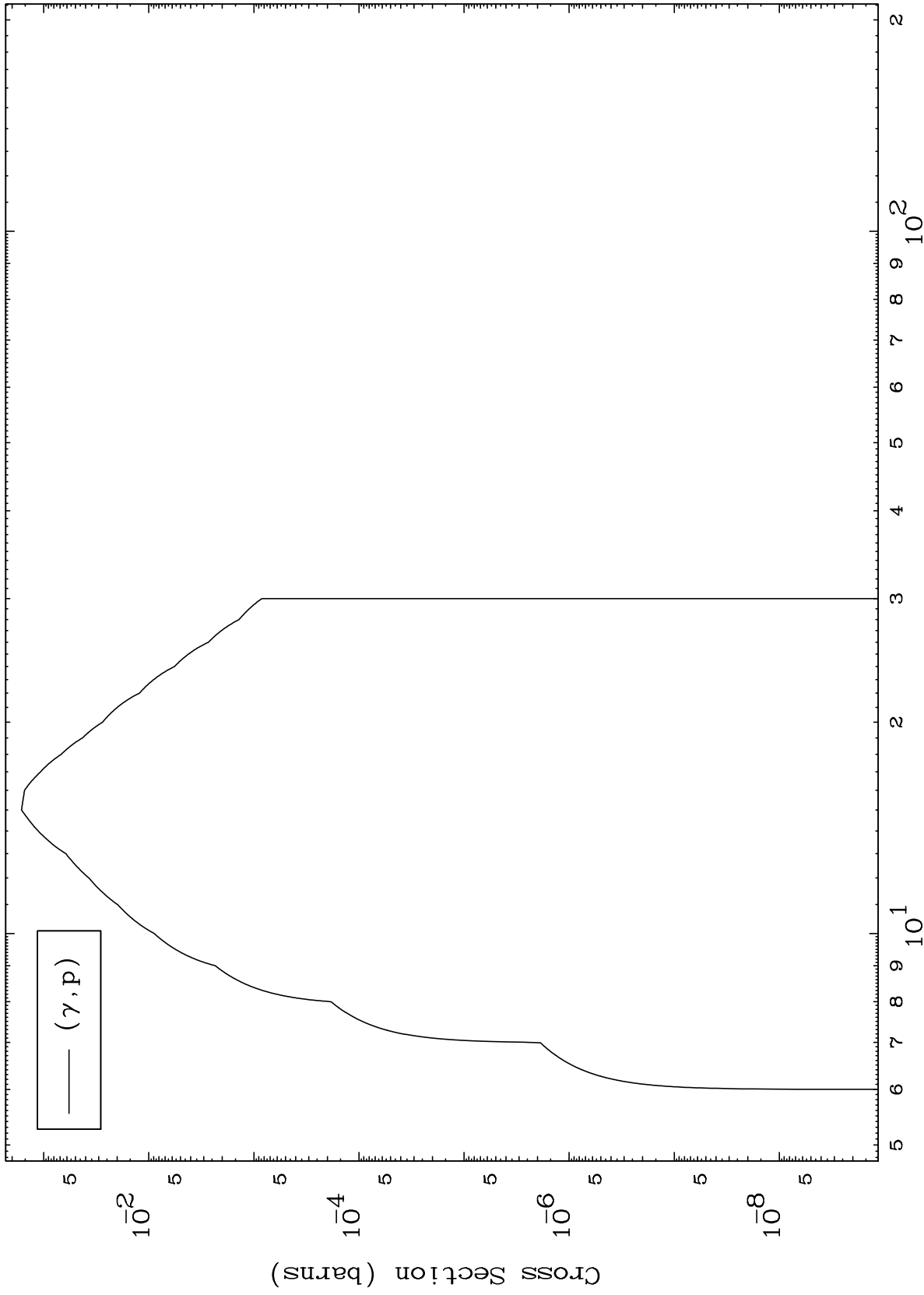
Incident Energy (MeV)

64-Gd-142

MAT 6395

(γ, p) Levels
0 Kelvin Cross Sections

64-Gd-142



6

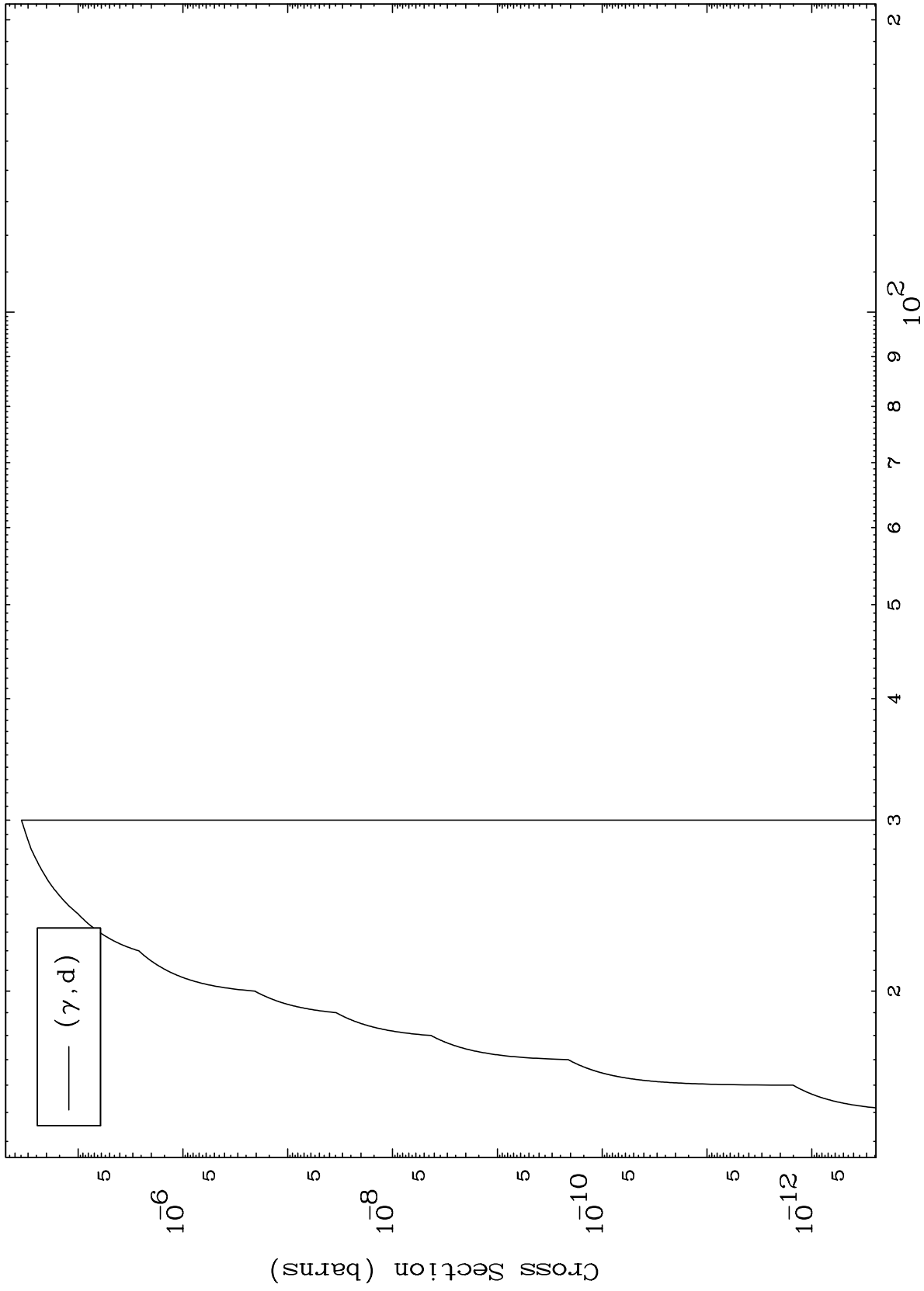
Incident Energy (MeV)

64-Gd-142

MAT 6395

(γ, d) Levels
0 Kelvin Cross Sections

64-Gd-142



7

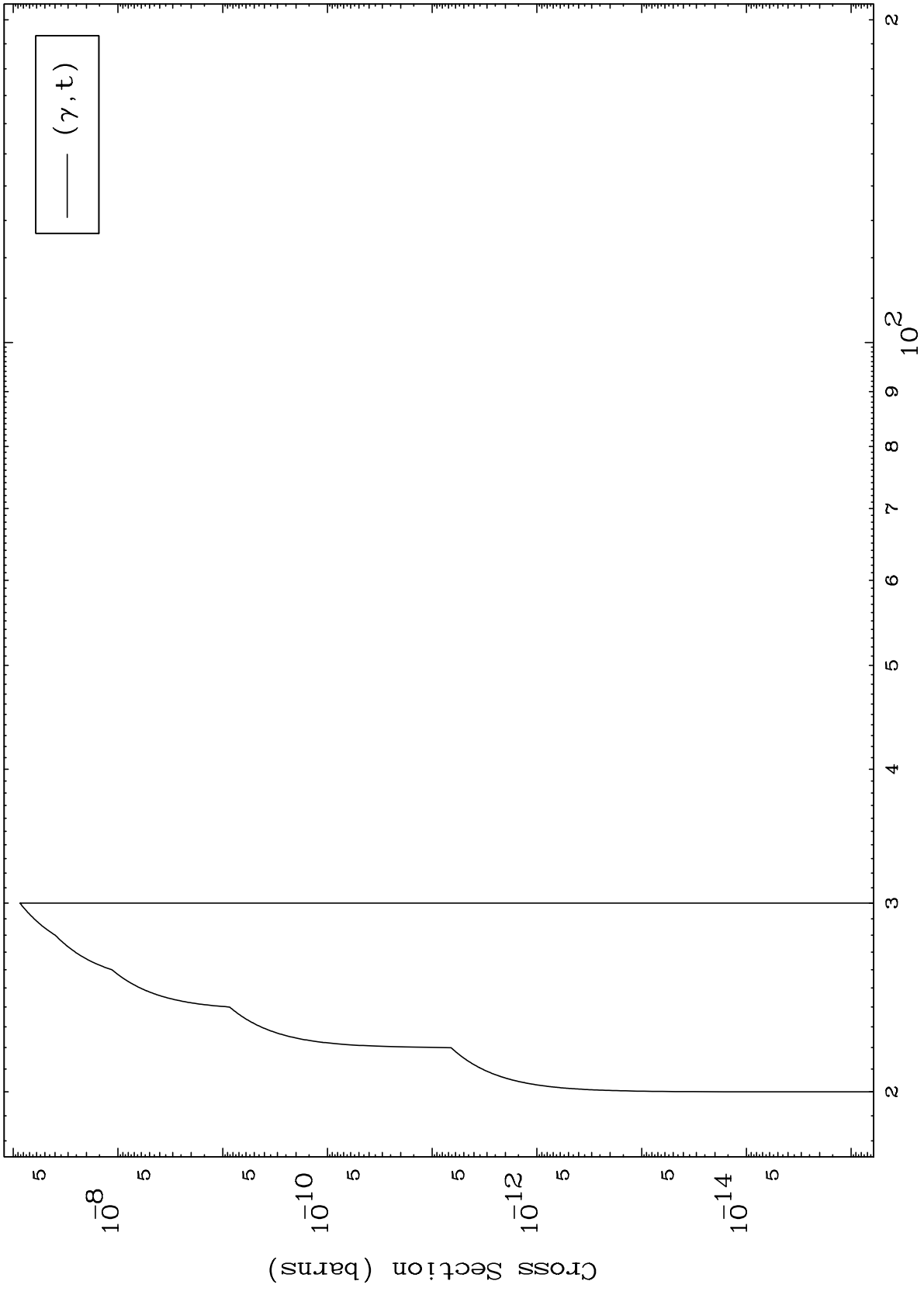
Incident Energy (MeV)

64-Gd-142

MAT 6395

(γ, t) Levels
0 Kelvin Cross Sections

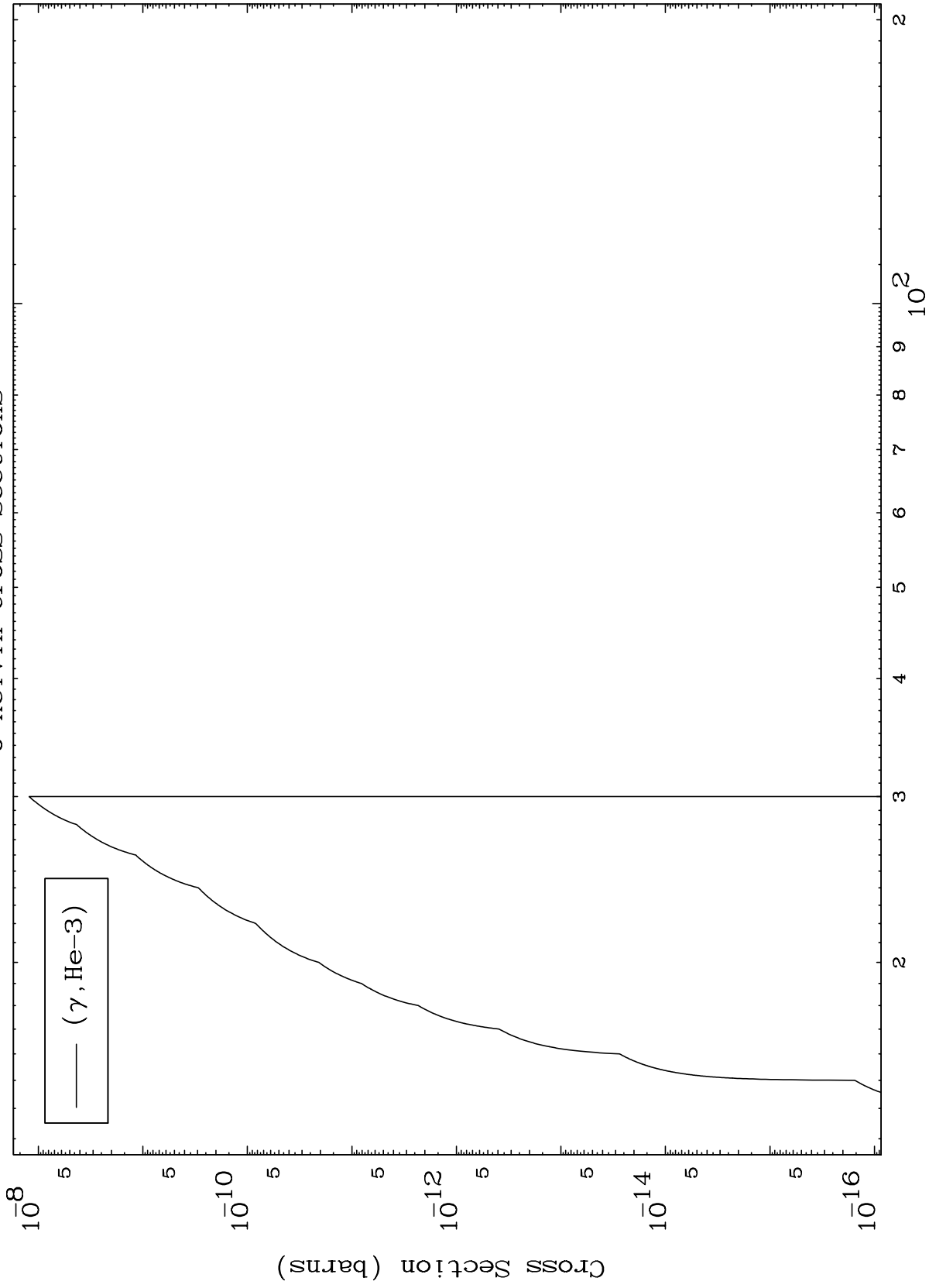
64-Gd-142



8

Incident Energy (MeV)

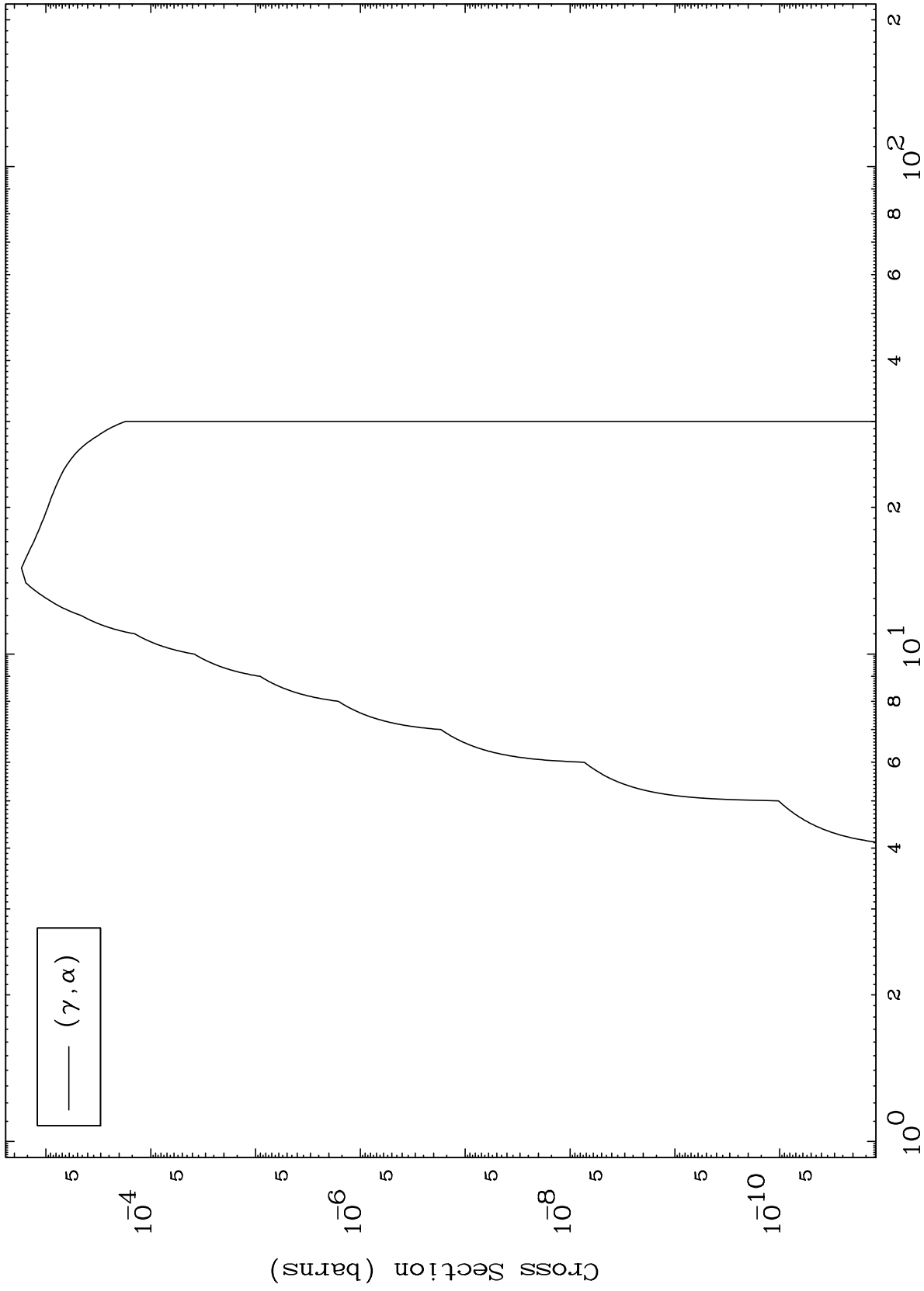
64-Gd-142



MAT 6395

(γ, α) Levels
0 Kelvin Cross Sections

64-Gd-142



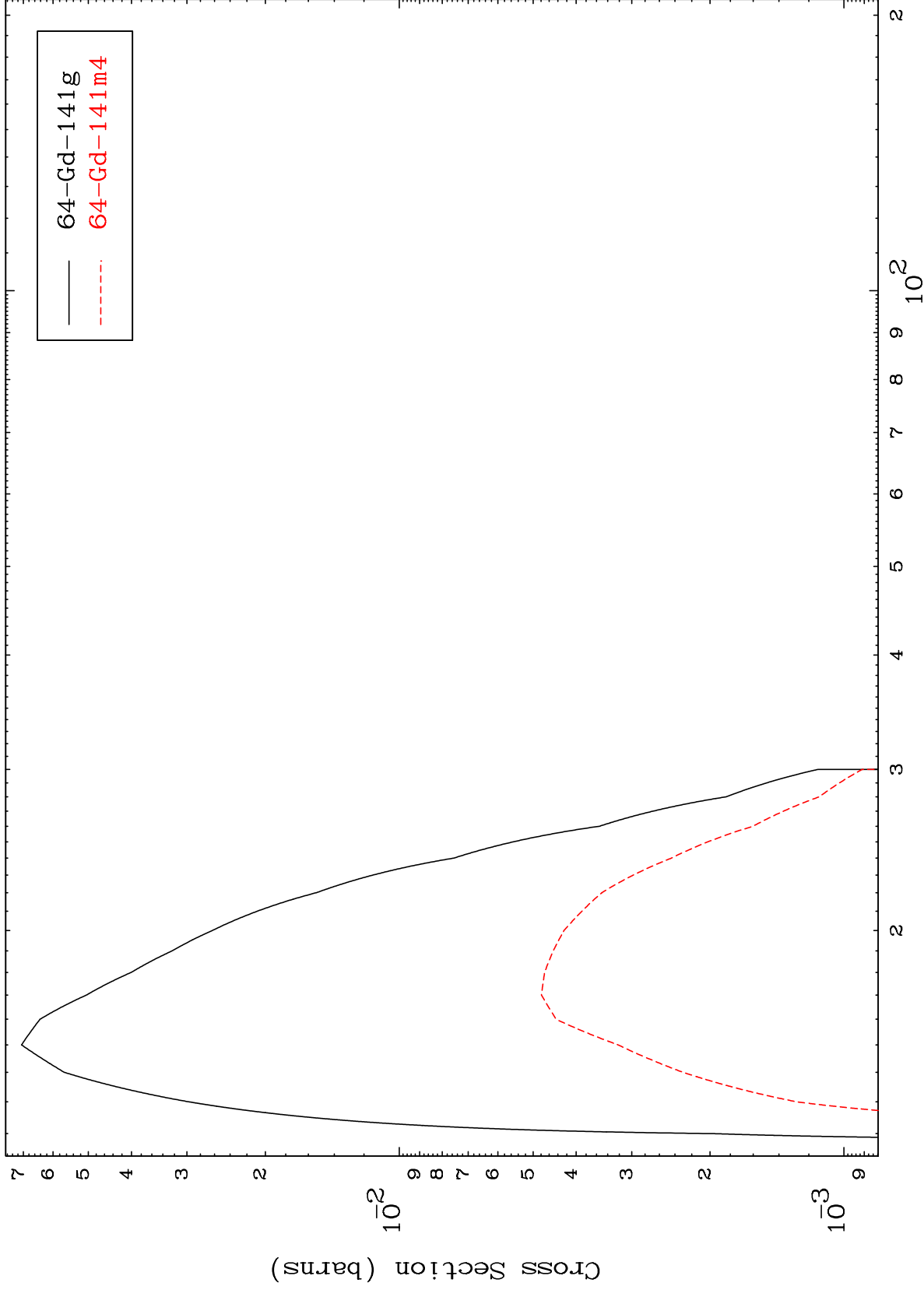
Incident Energy (MeV)

64-Gd-142

MAT 6395

Photon Inelastic
Radionuclide Production Cross Section

64-Gd-142



11

Incident Energy (MeV)

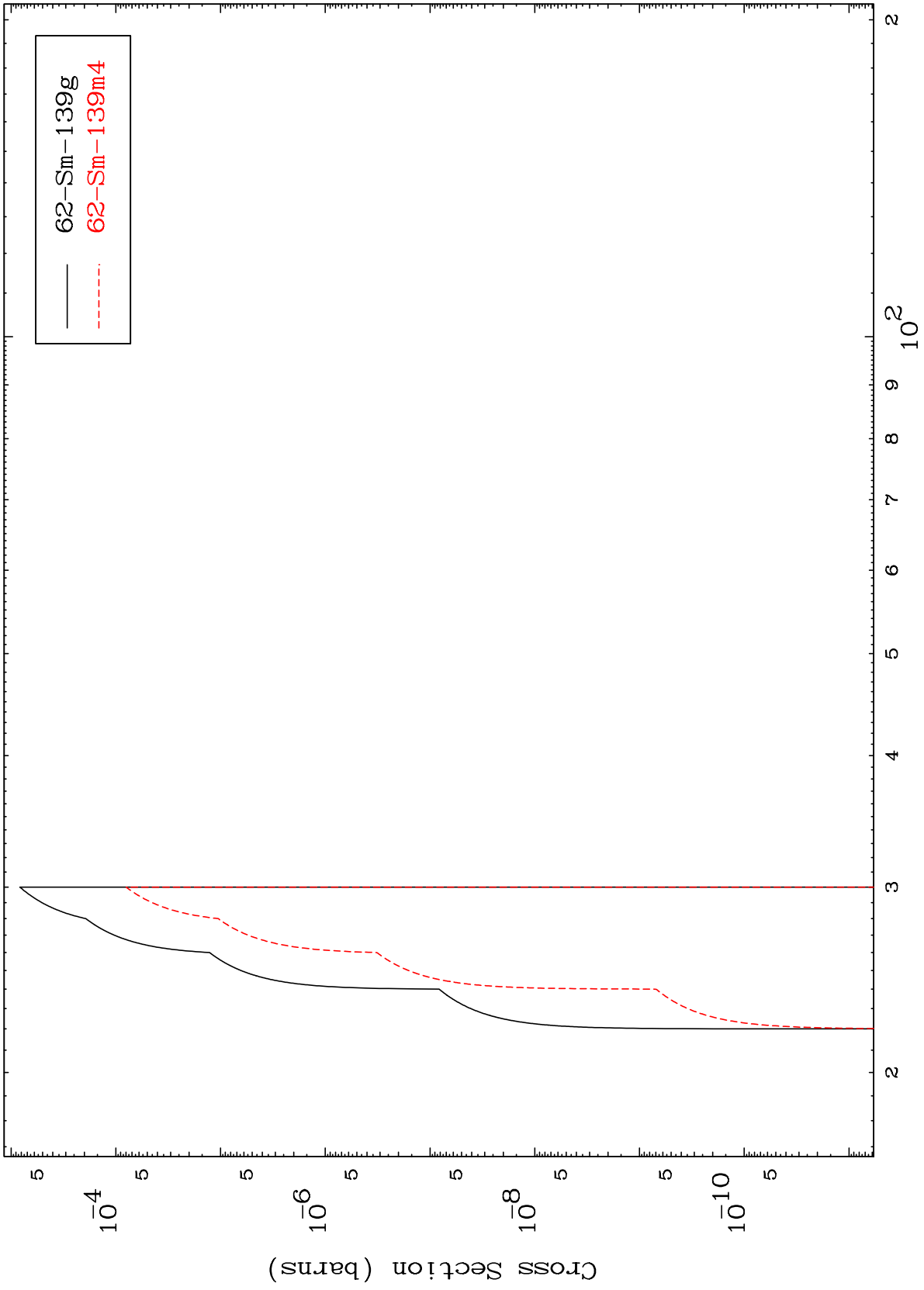
64-Gd-142

MAT 6395

($\gamma, 2n$) p

64-Gd-142

Radionuclide Production Cross Section



12

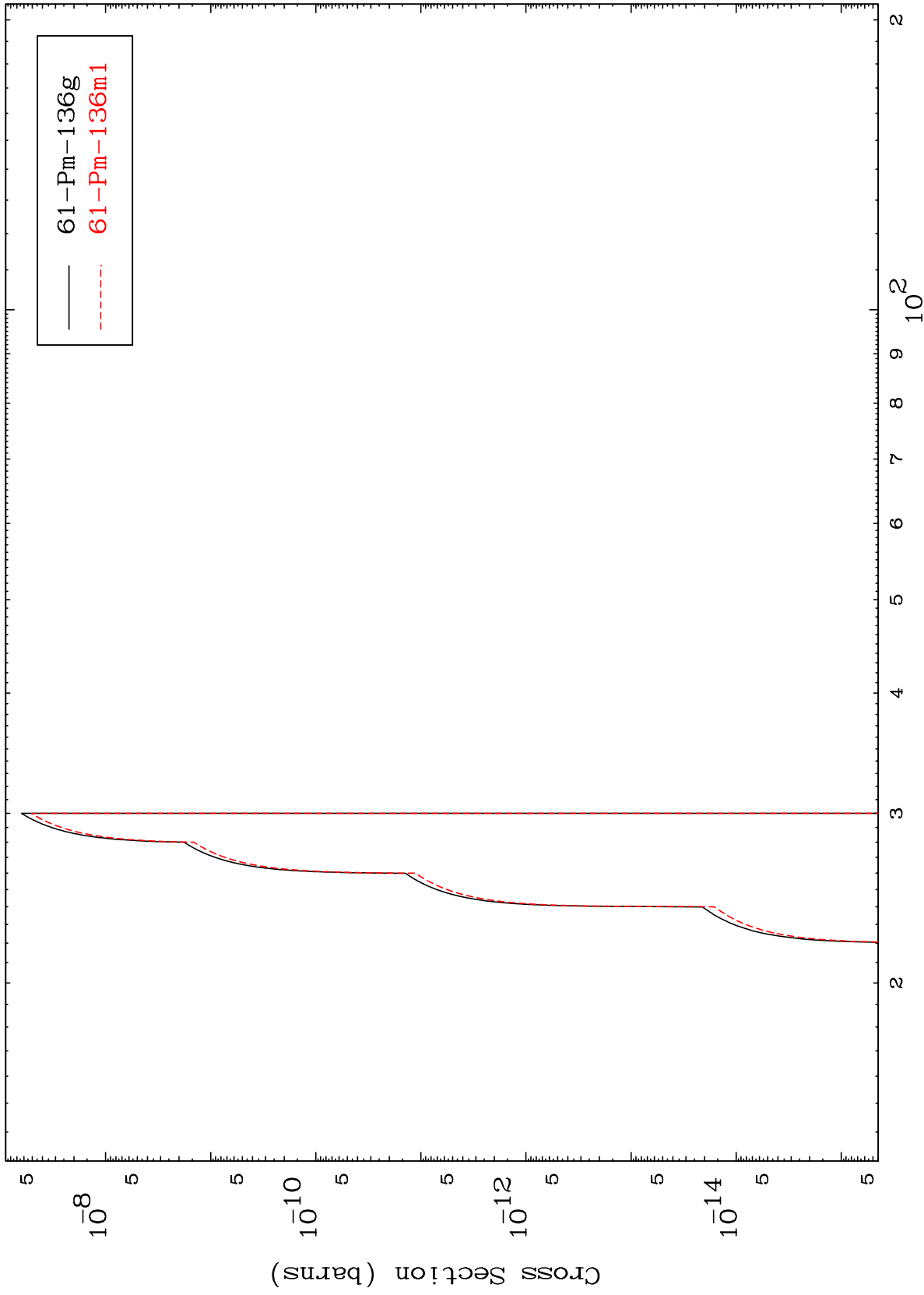
Incident Energy (MeV)

64-Gd-142

MAT 6395

64-Gd-142

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



13

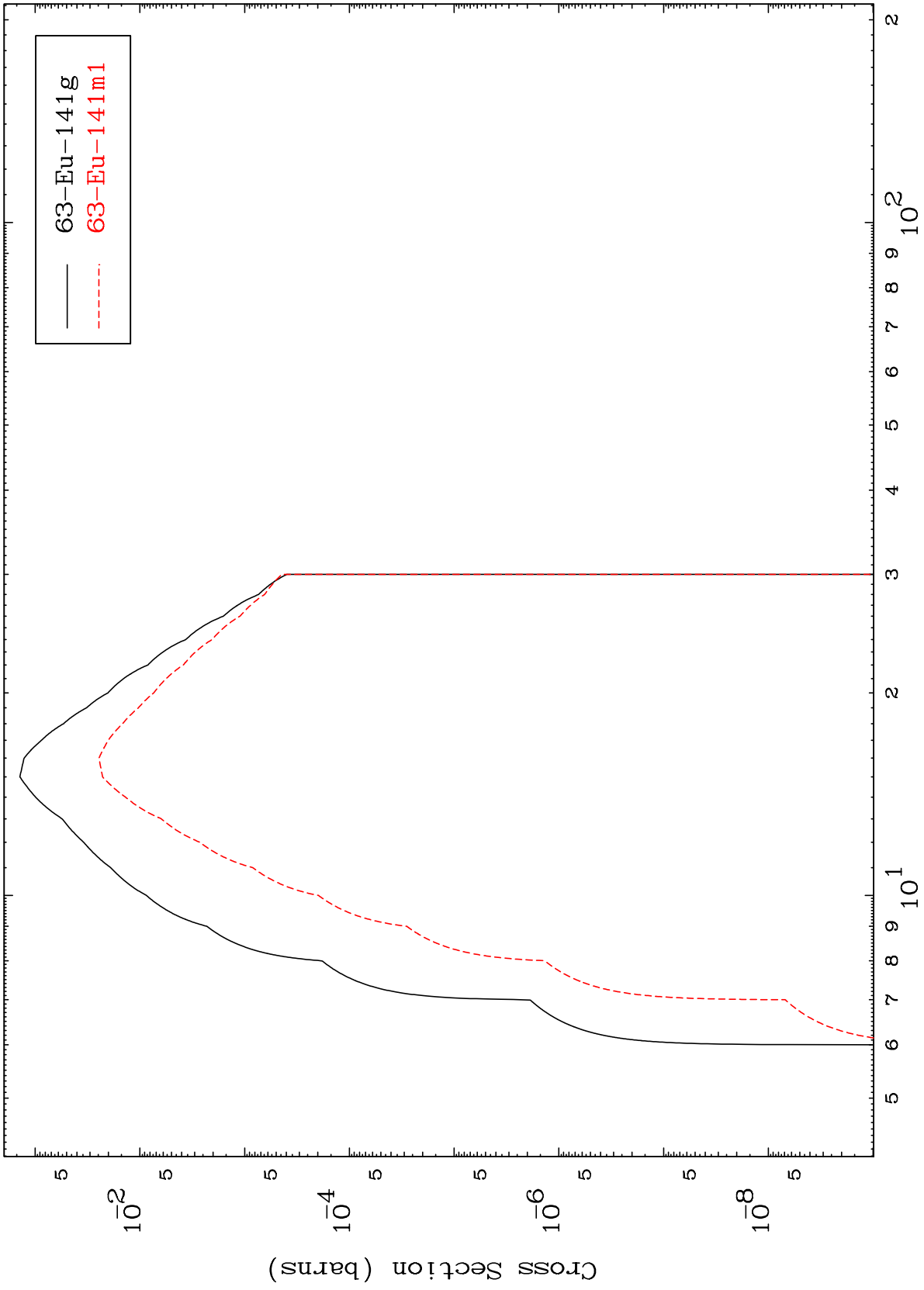
Incident Energy (MeV)

64-Gd-142

MAT 6395

64-Gd-142

Radionuclide Production Cross Section
(γ, p)



14

Incident Energy (MeV)

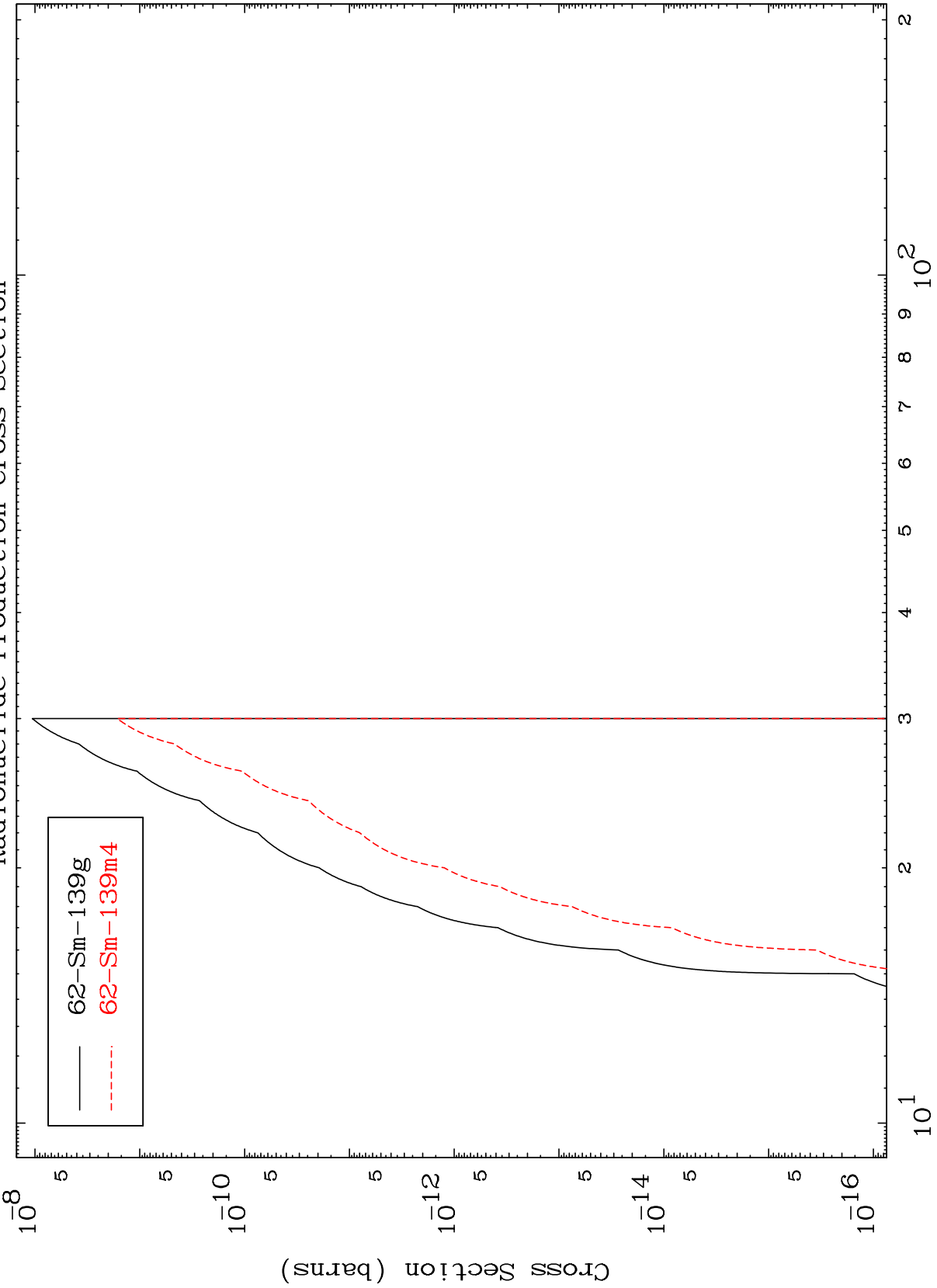
64-Gd-142

MAT 6395

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

64-Gd-142

Radionuclide Production Cross Section



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

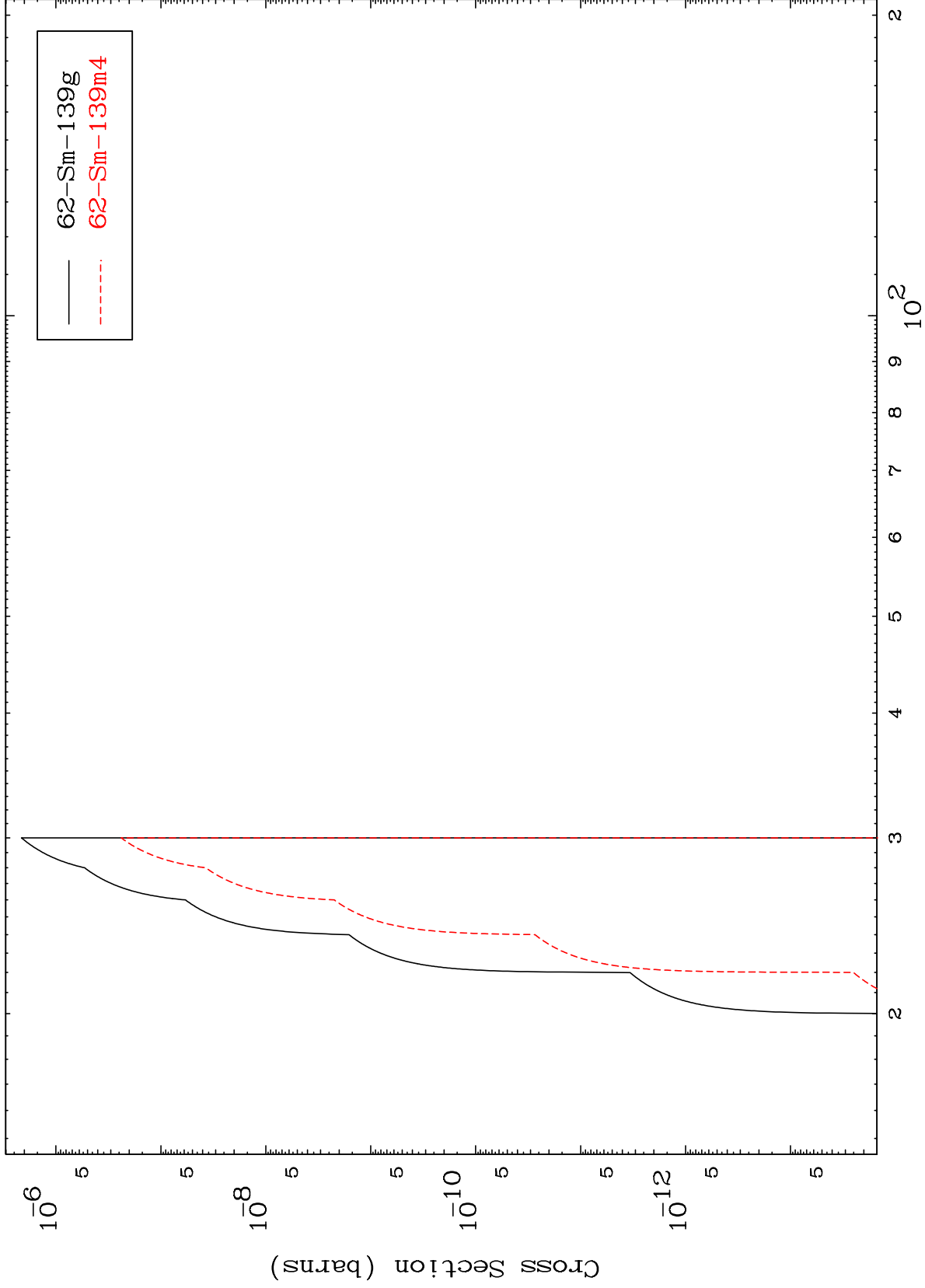
64-Gd-142

MAT 6395

(γ, p) d

64-Gd-142

Radionuclide Production Cross Section



16

Incident Energy (MeV)

64-Gd-142