

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

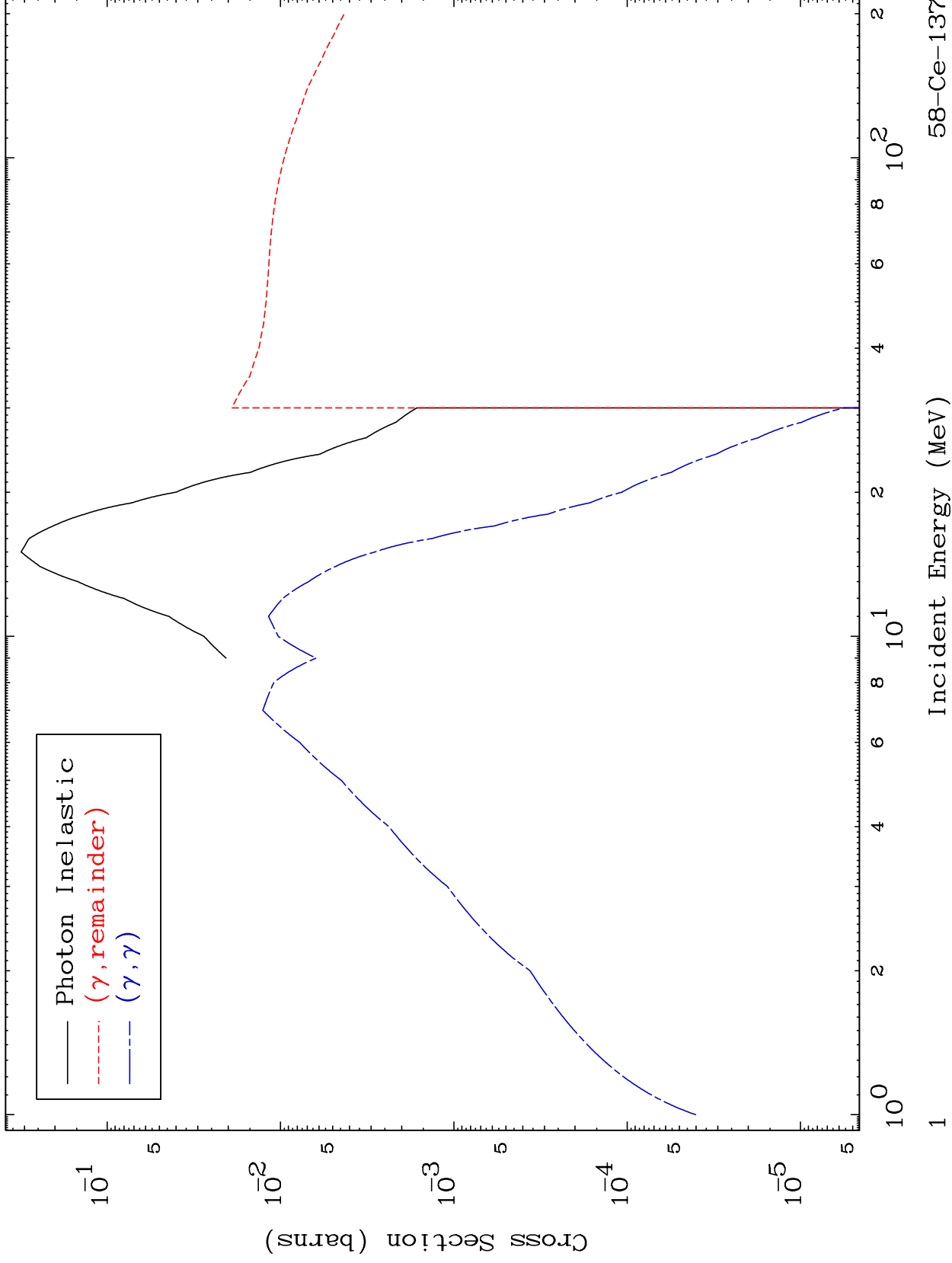
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5828

Photon Major
0 Kelvin Cross Sections

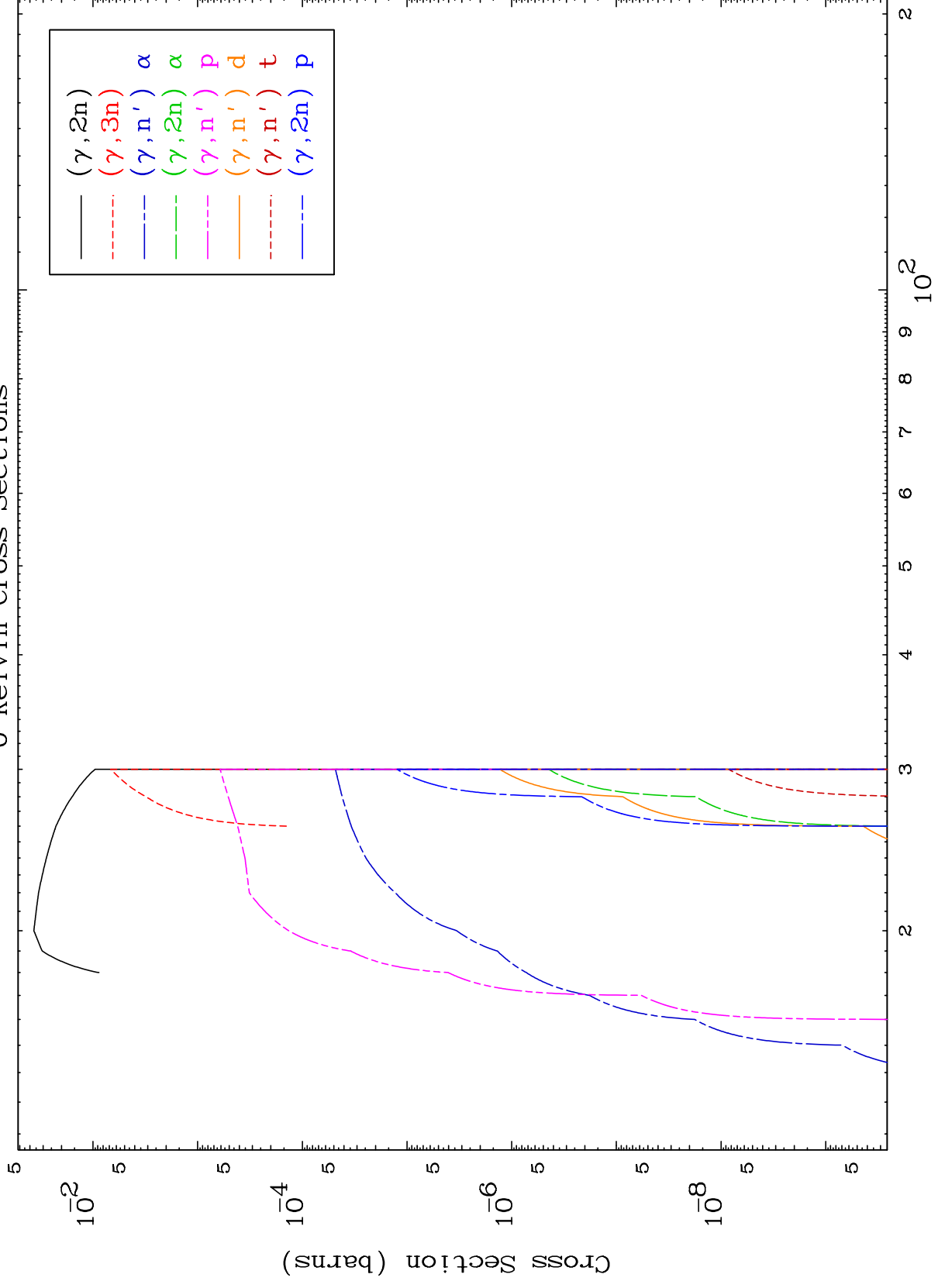
58-Ce-137



— Photon Inelastic
- - - (γ, remainder)
- · - (γ, γ)

Incident Energy (MeV)

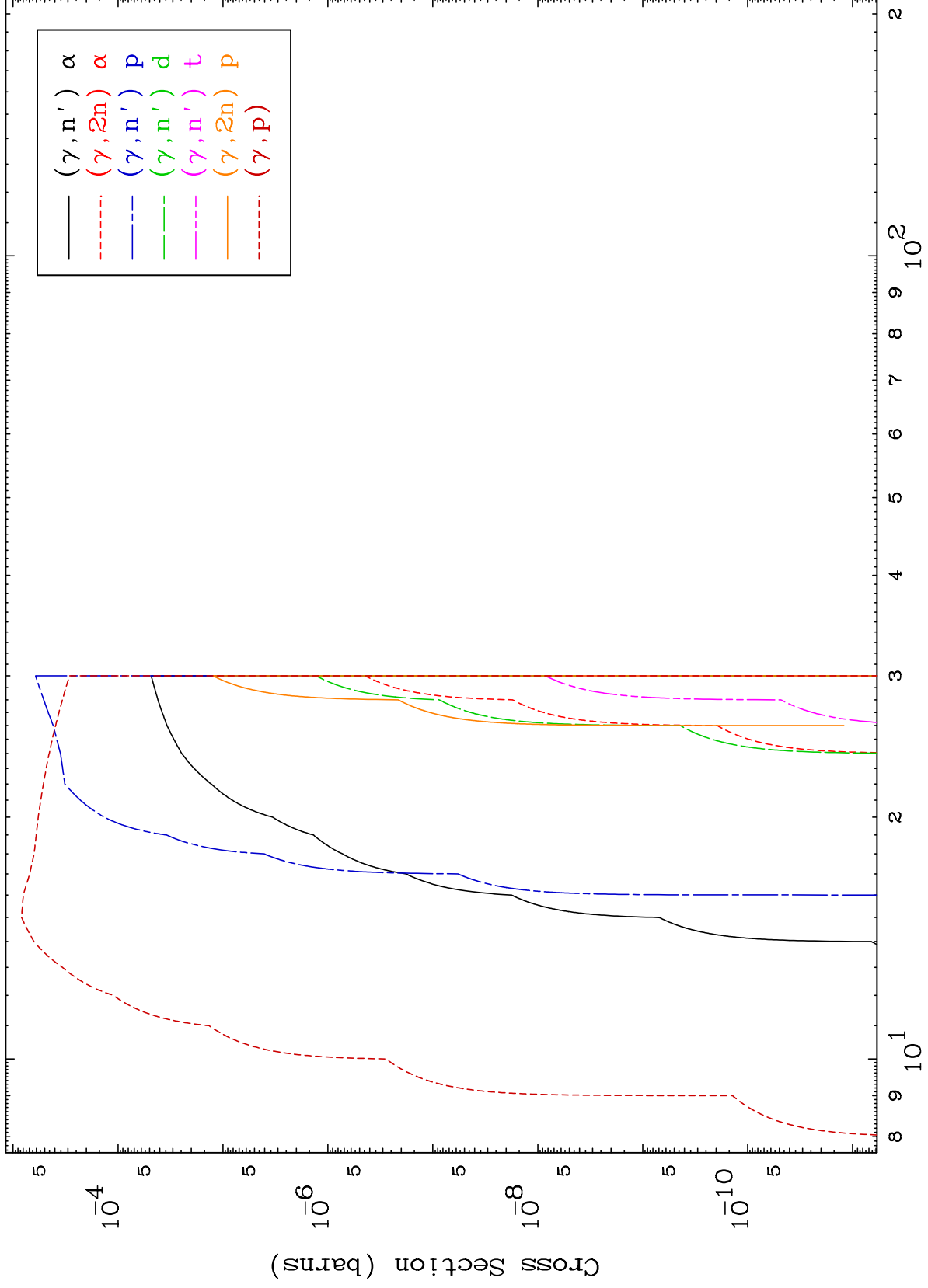
58-Ce-137



MAT 5828

Photon Charged Particle
0 Kelvin Cross Sections

58-Ce-137



58-Ce-137

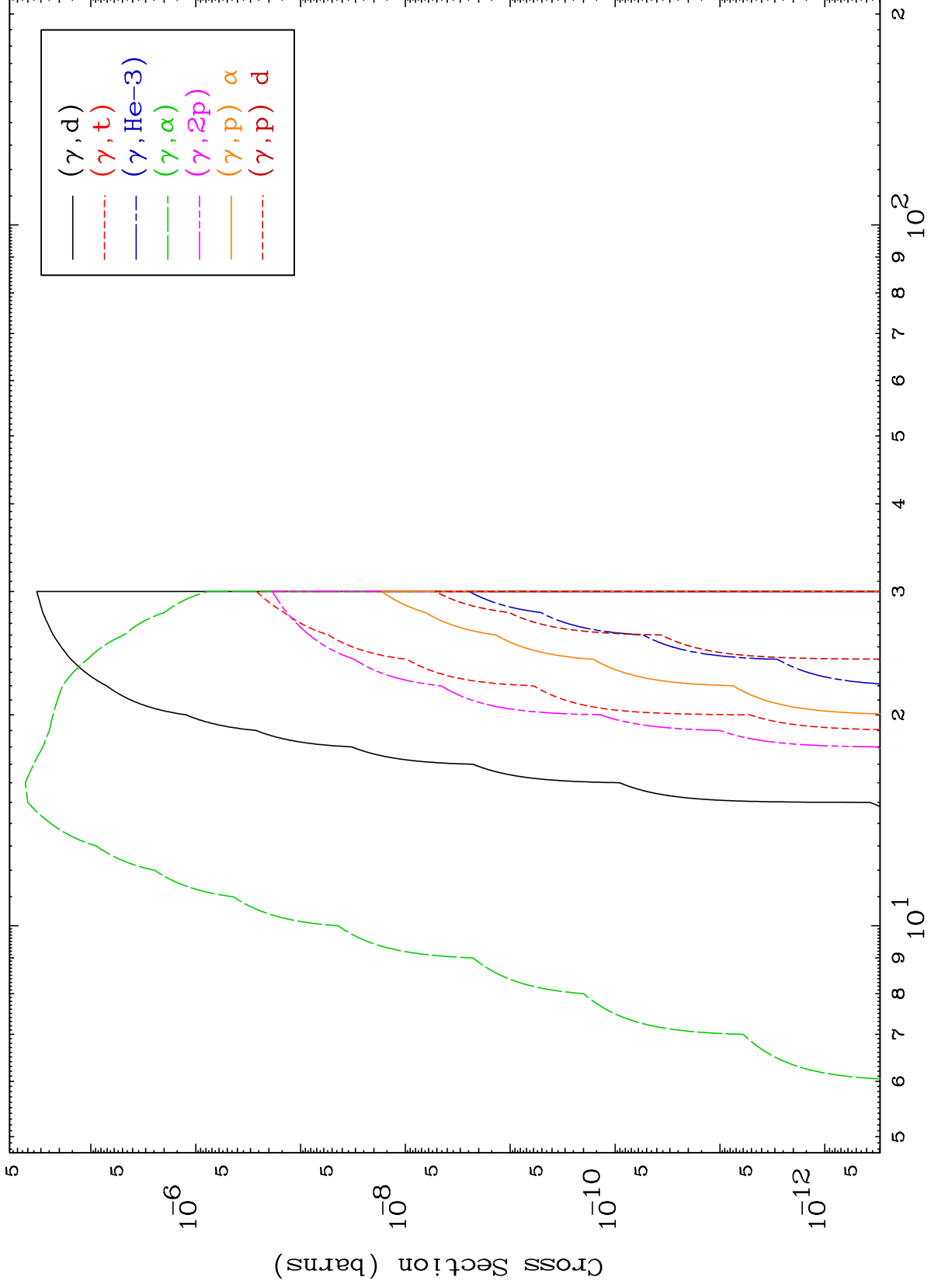
Incident Energy (MeV)

3

MAT 5828

Photon Charged Particle
0 Kelvin Cross Sections

58-Ce-137



4

Incident Energy (MeV)

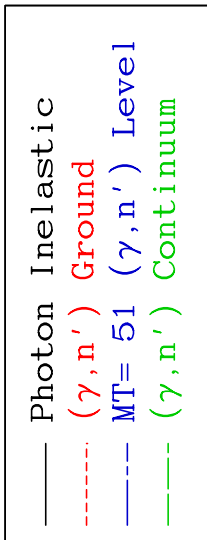
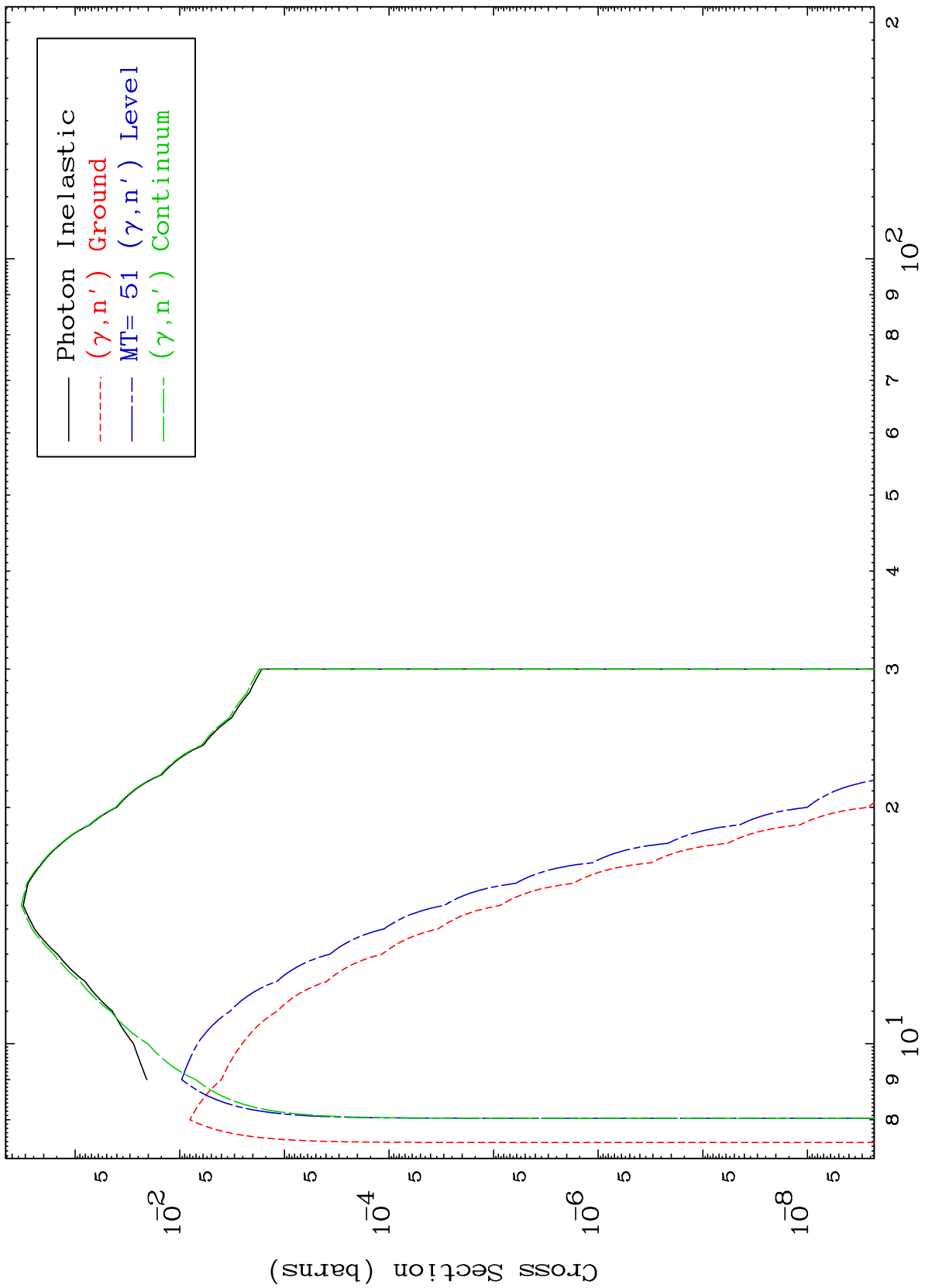
58-Ce-137

MAT 5828

(γ, n') Level

58-Ce-137

0 Kelvin Cross Sections



5

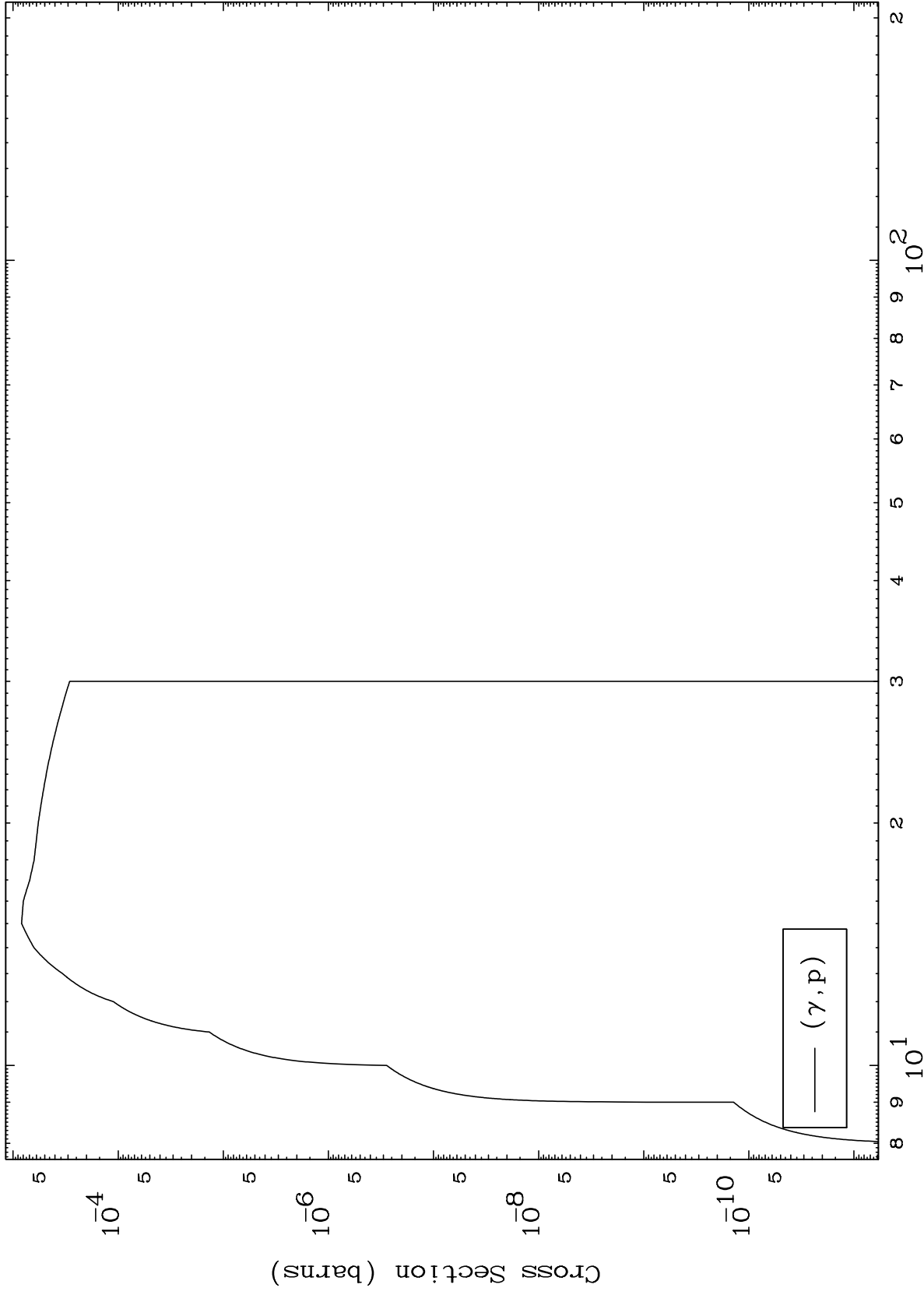
Incident Energy (MeV)

58-Ce-137

MAT 5828

(γ, p) Levels
0 Kelvin Cross Sections

58-Ce-137



Incident Energy (MeV)

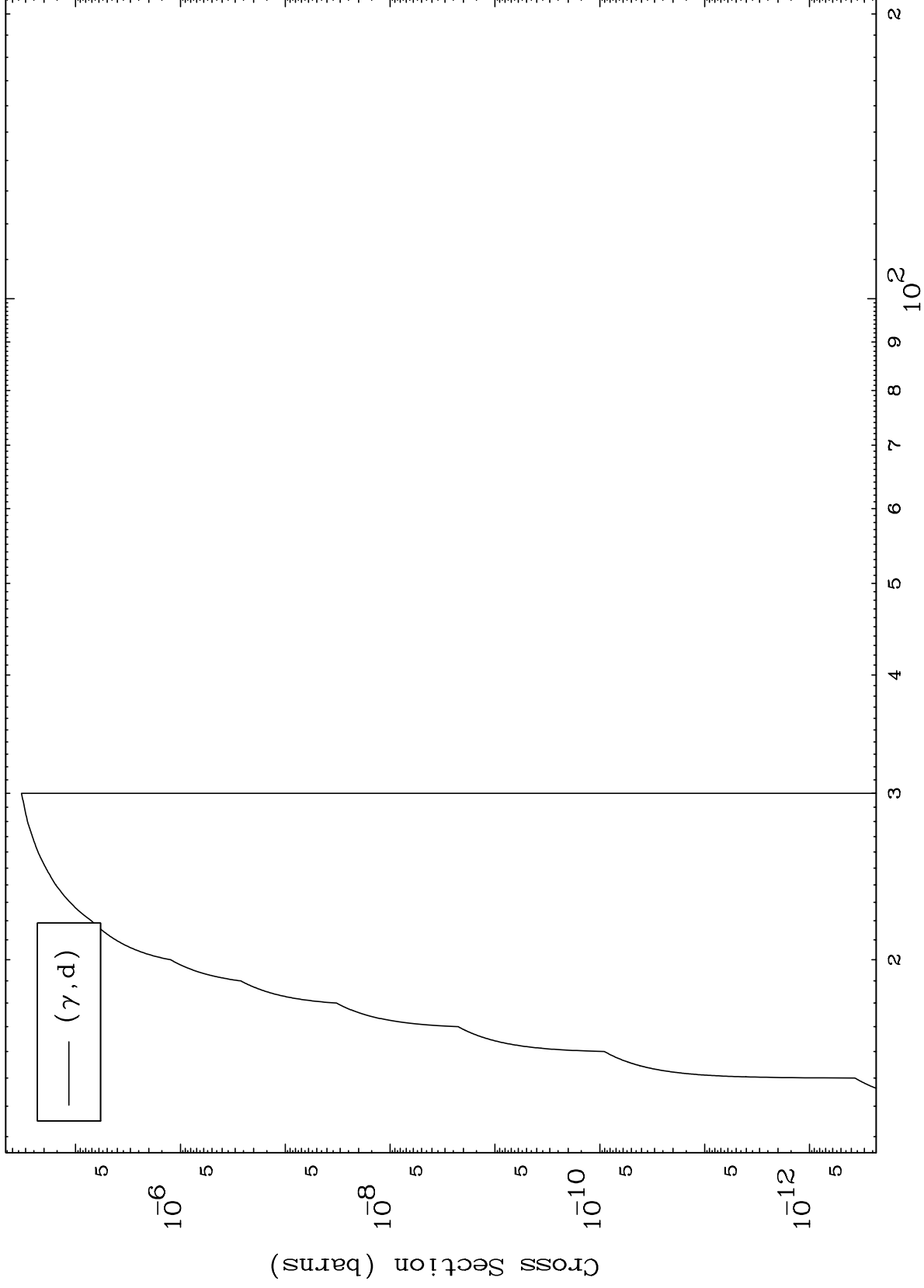
58-Ce-137

6

MAT 5828

(γ, d) Levels
0 Kelvin Cross Sections

58-Ce-137



7

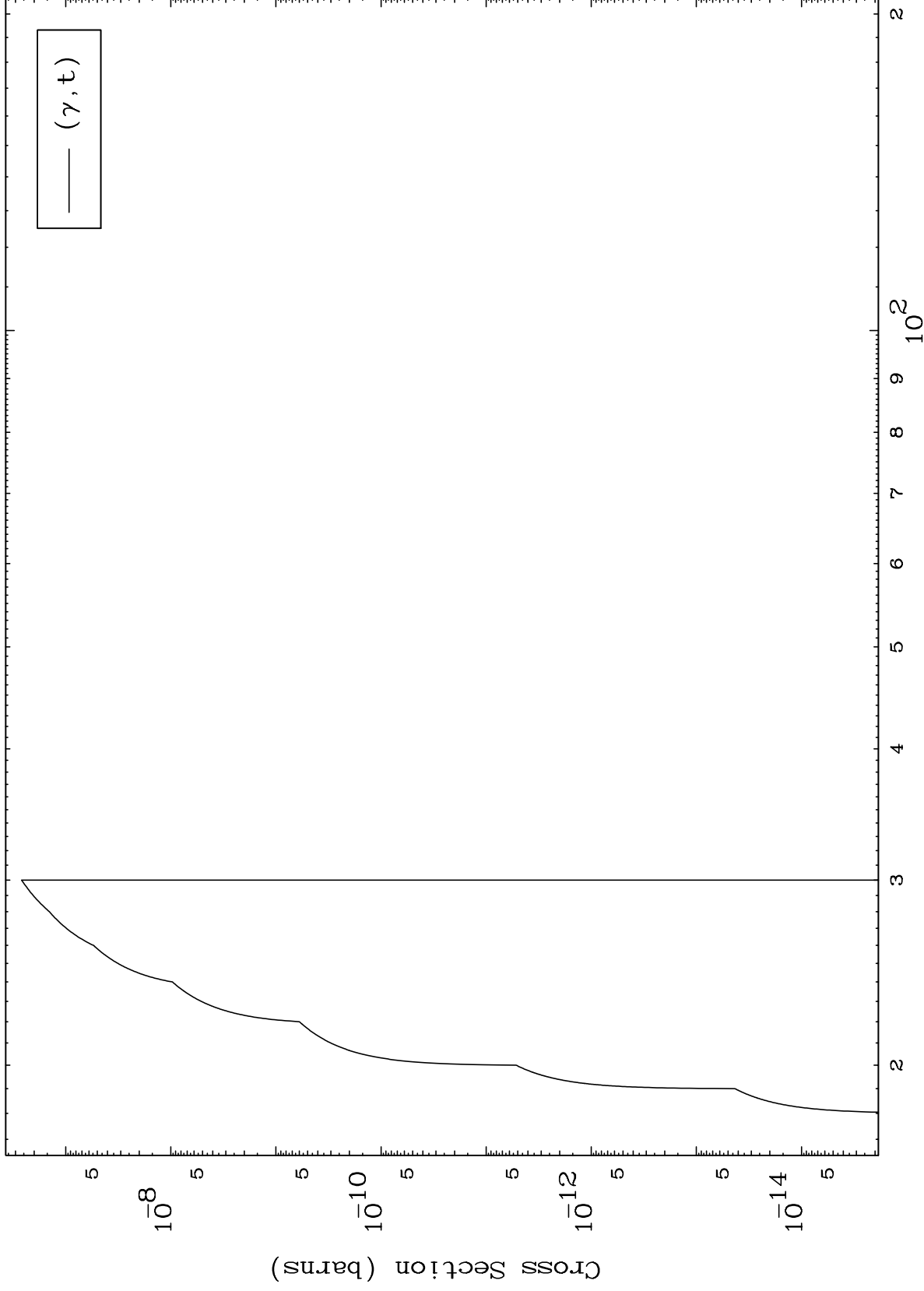
Incident Energy (MeV)

58-Ce-137

MAT 5828

(γ, t) Levels
0 Kelvin Cross Sections

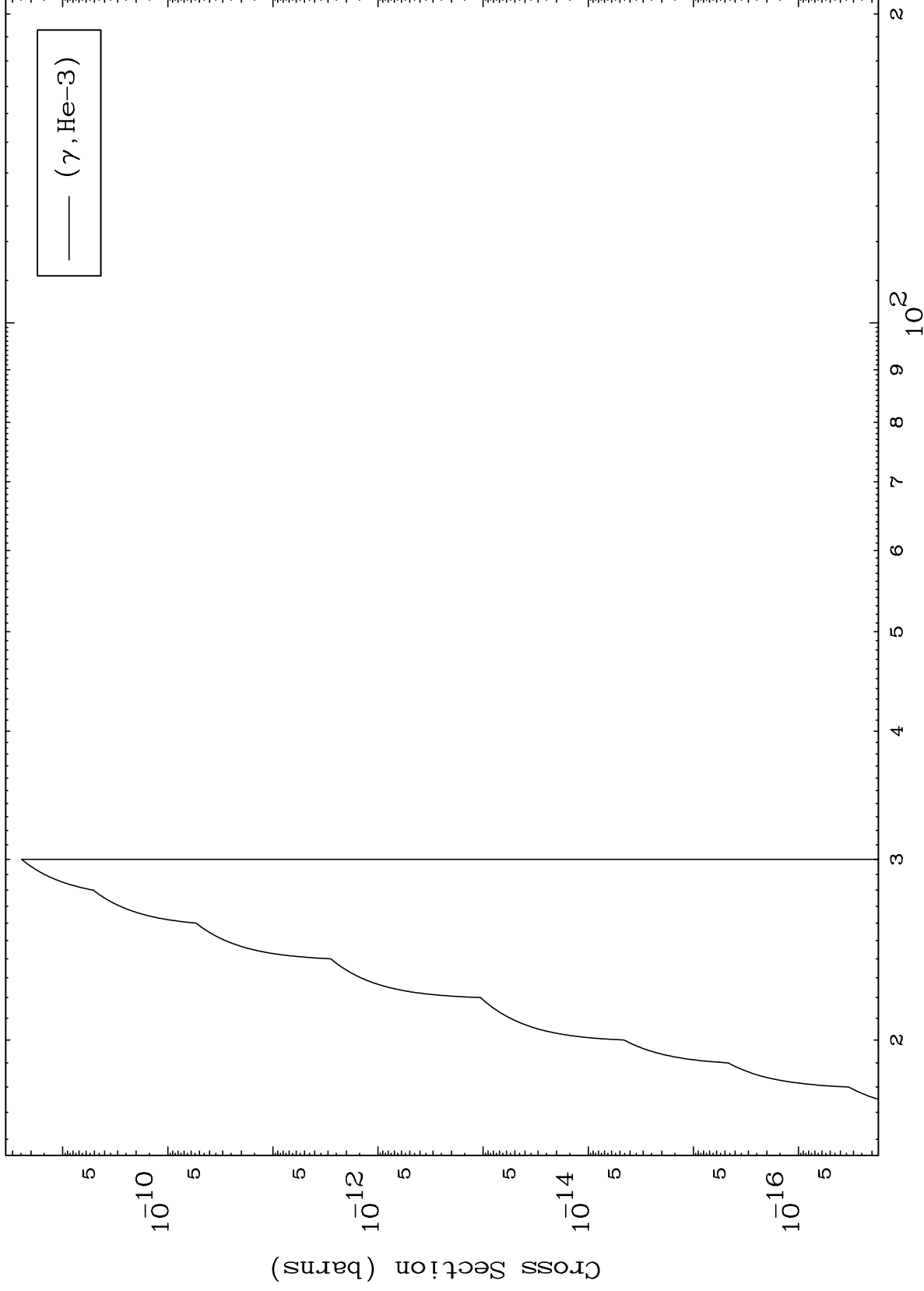
58-Ce-137



8

Incident Energy (MeV)

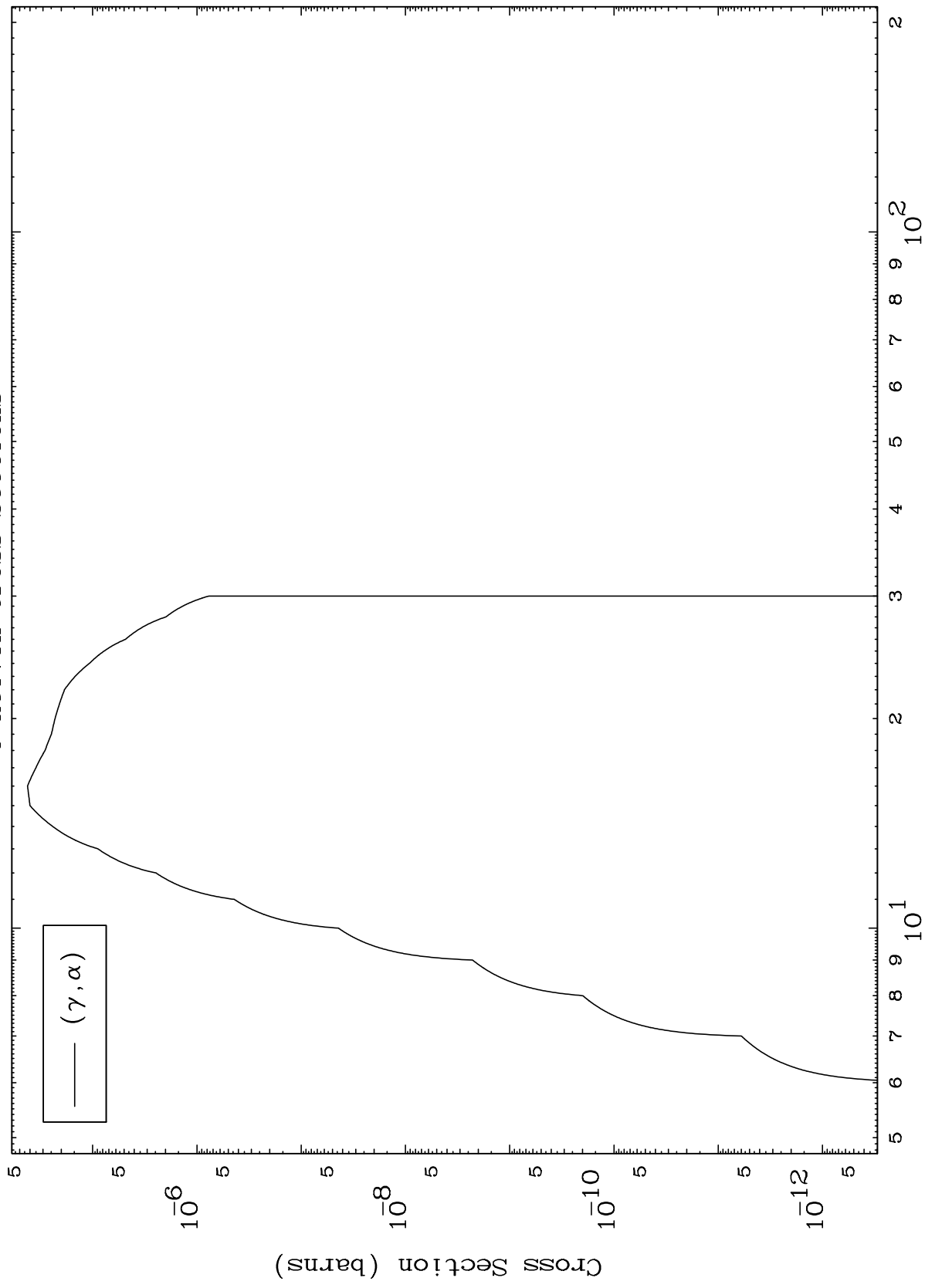
58-Ce-137



MAT 5828

(γ, α) Levels
0 Kelvin Cross Sections

58-Ce-137



10

Incident Energy (MeV)

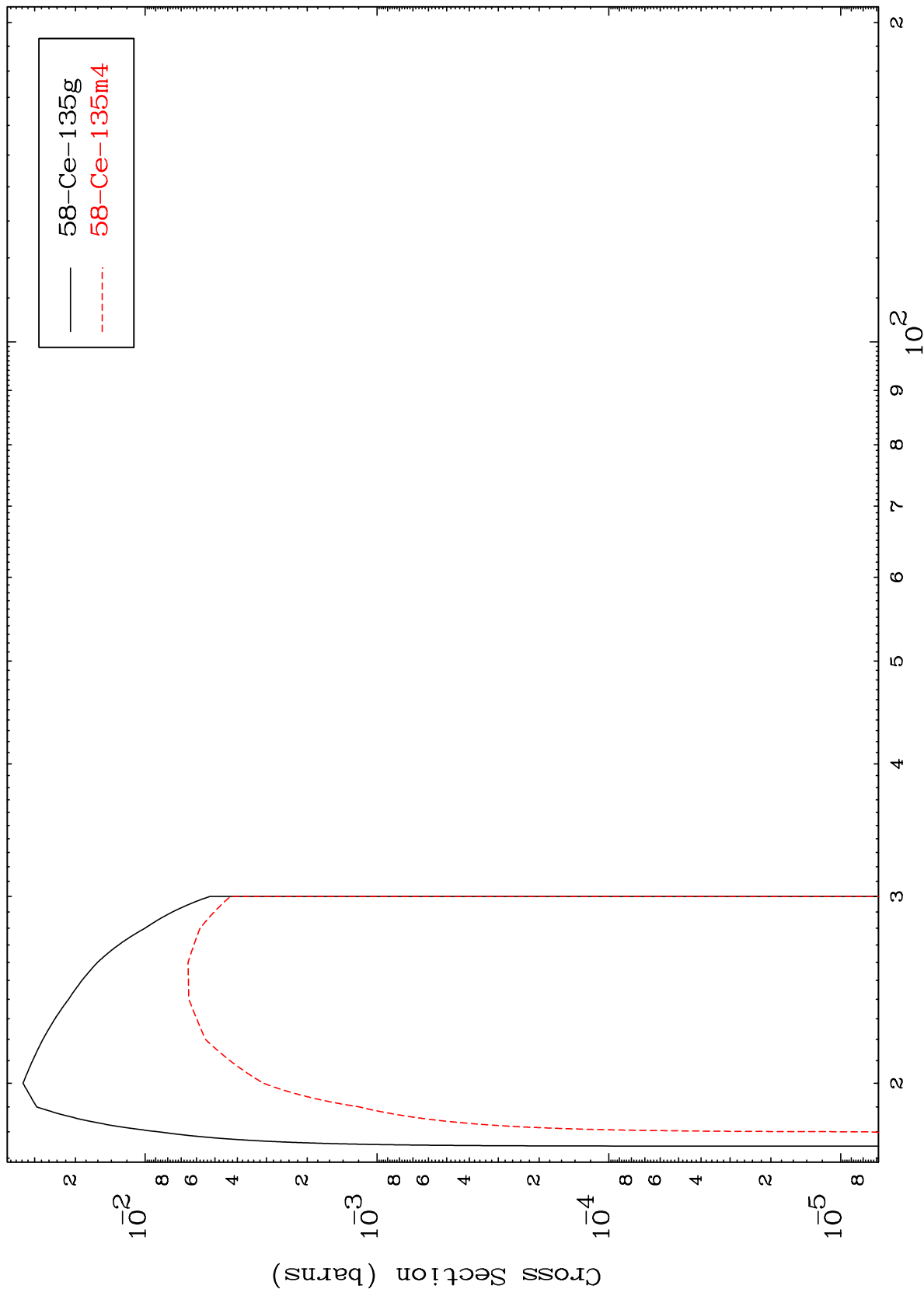
58-Ce-137

MAT 5828

58-Ce-137

($\gamma, 2n$)

Radionuclide Production Cross Section

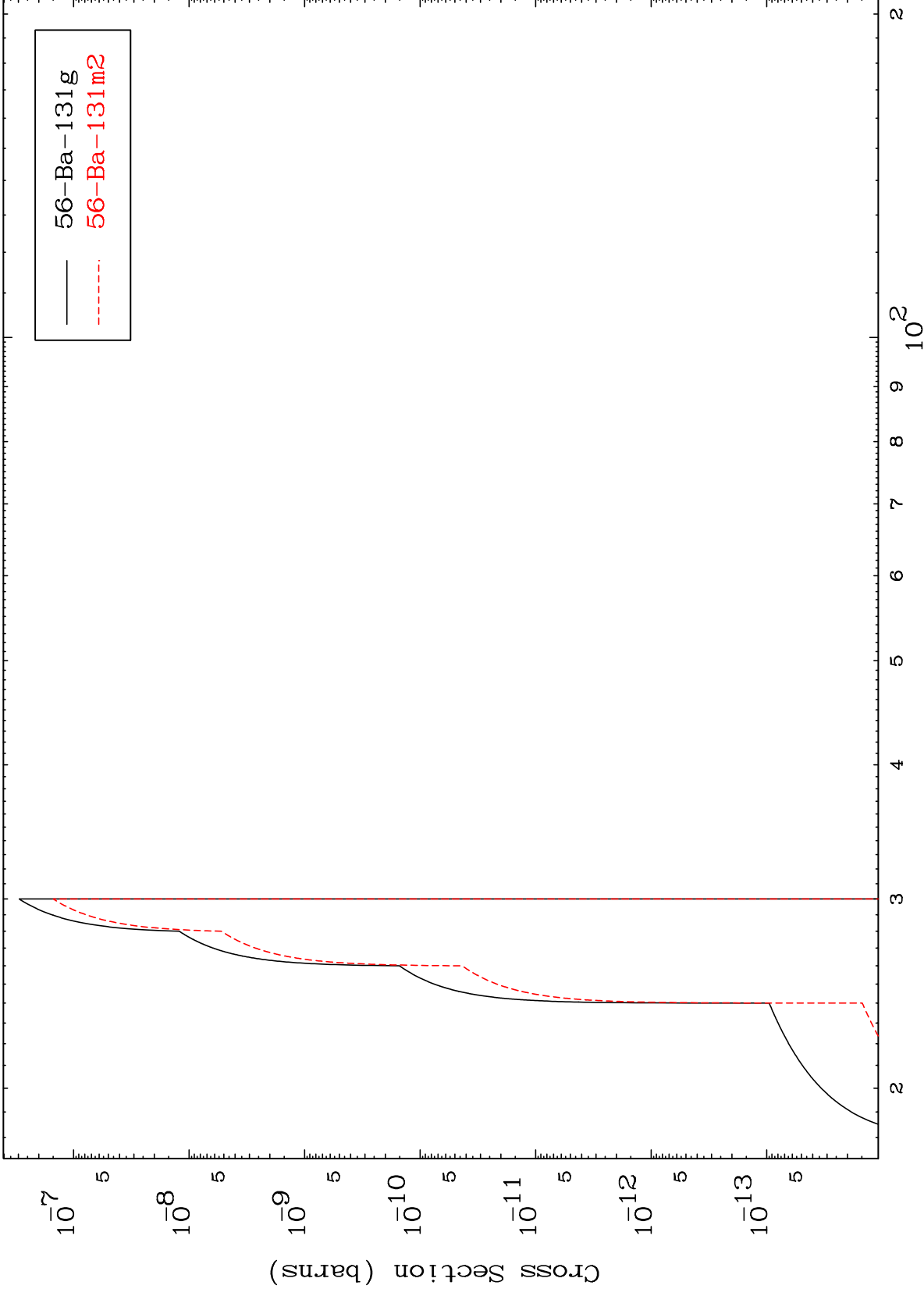


11

Incident Energy (MeV)

58-Ce-137

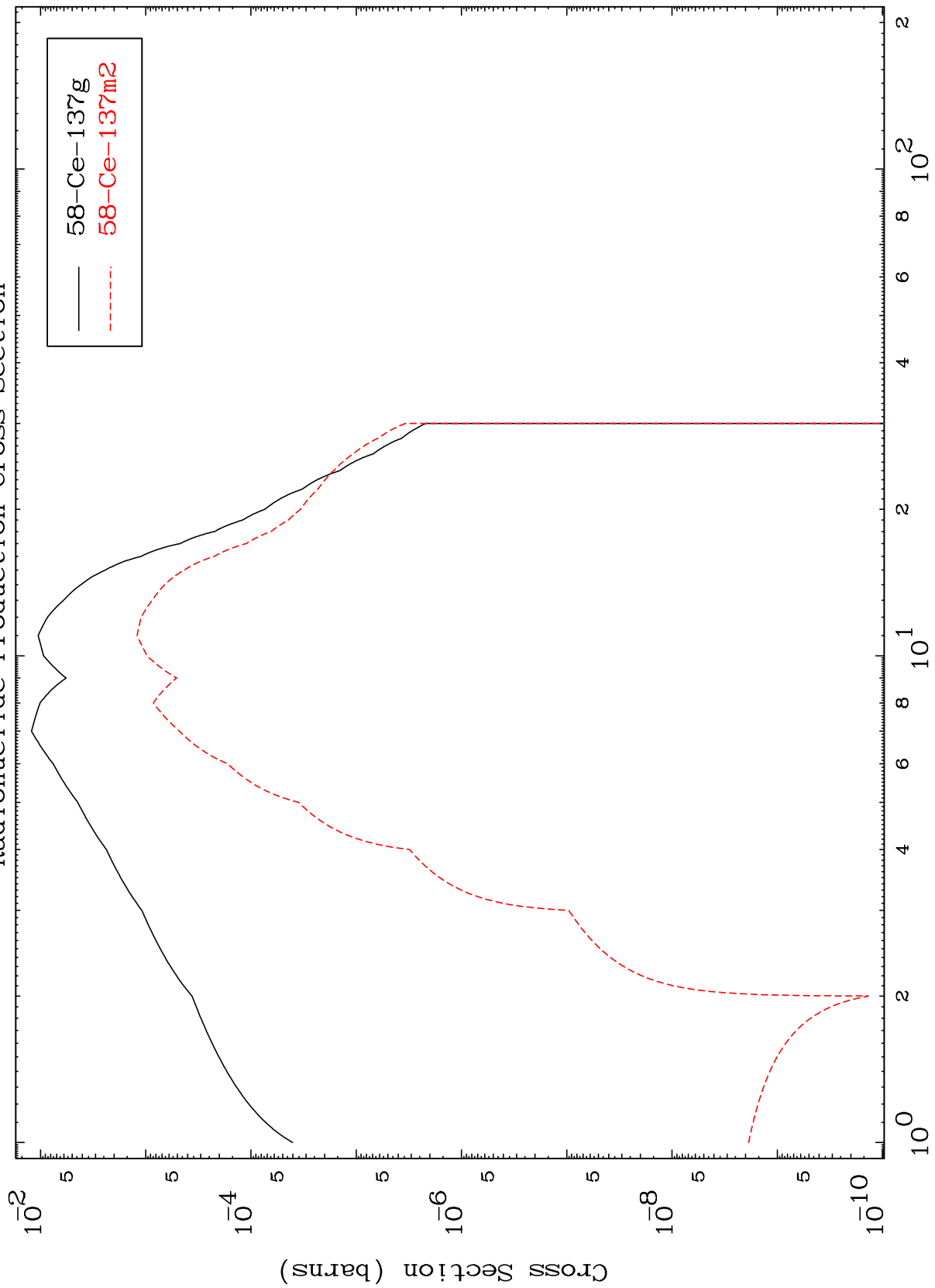
Radionuclide Production Cross Section



MAT 5828

58-Ce-137

Radionuclide Production Cross Section
(γ, γ)



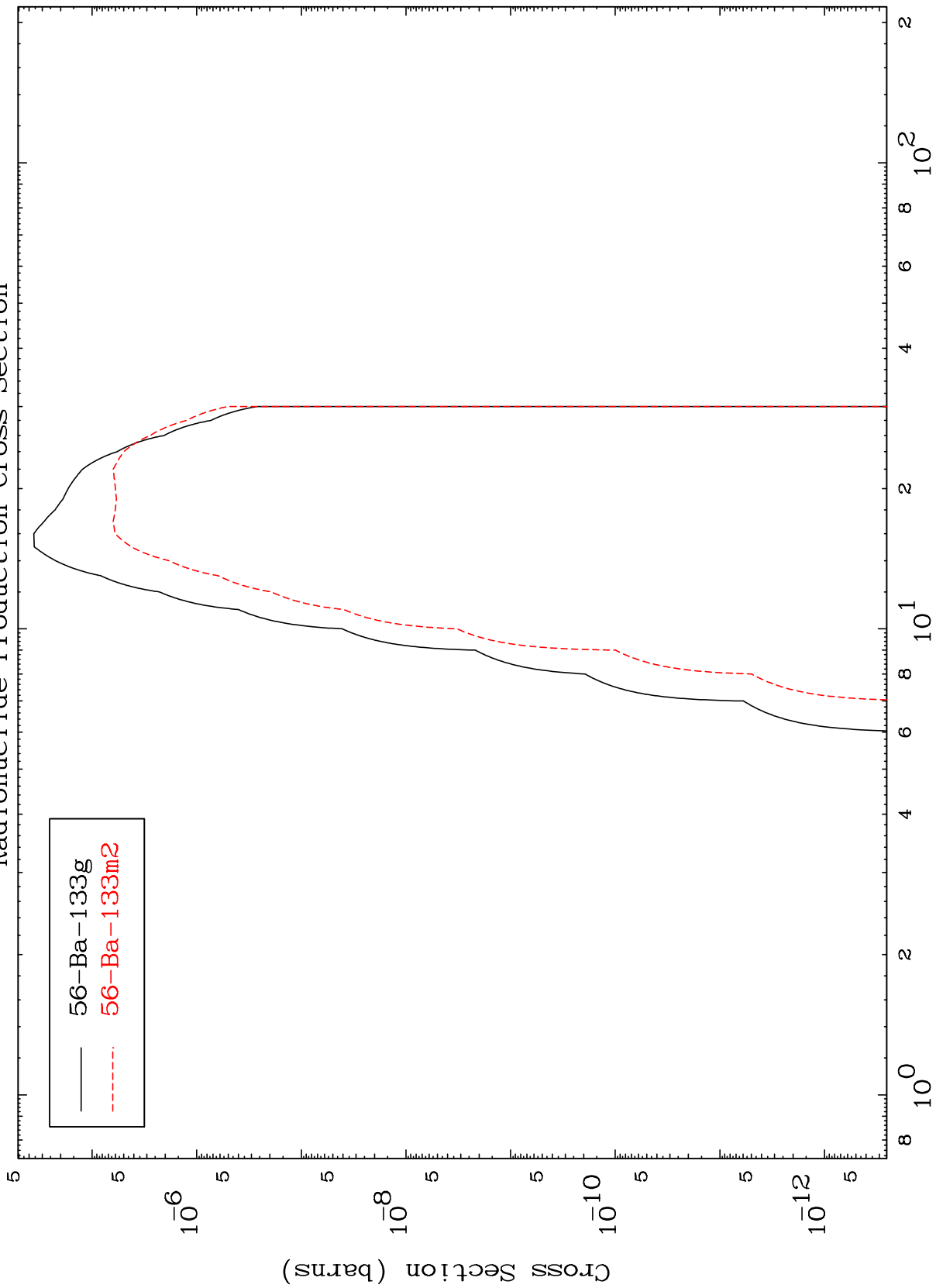
Incident Energy (MeV)

58-Ce-137

MAT 5828

58-Ce-137

Radionuclide Production Cross Section
(γ, α)



56-Ba-133g
56-Ba-133m2

58-Ce-137

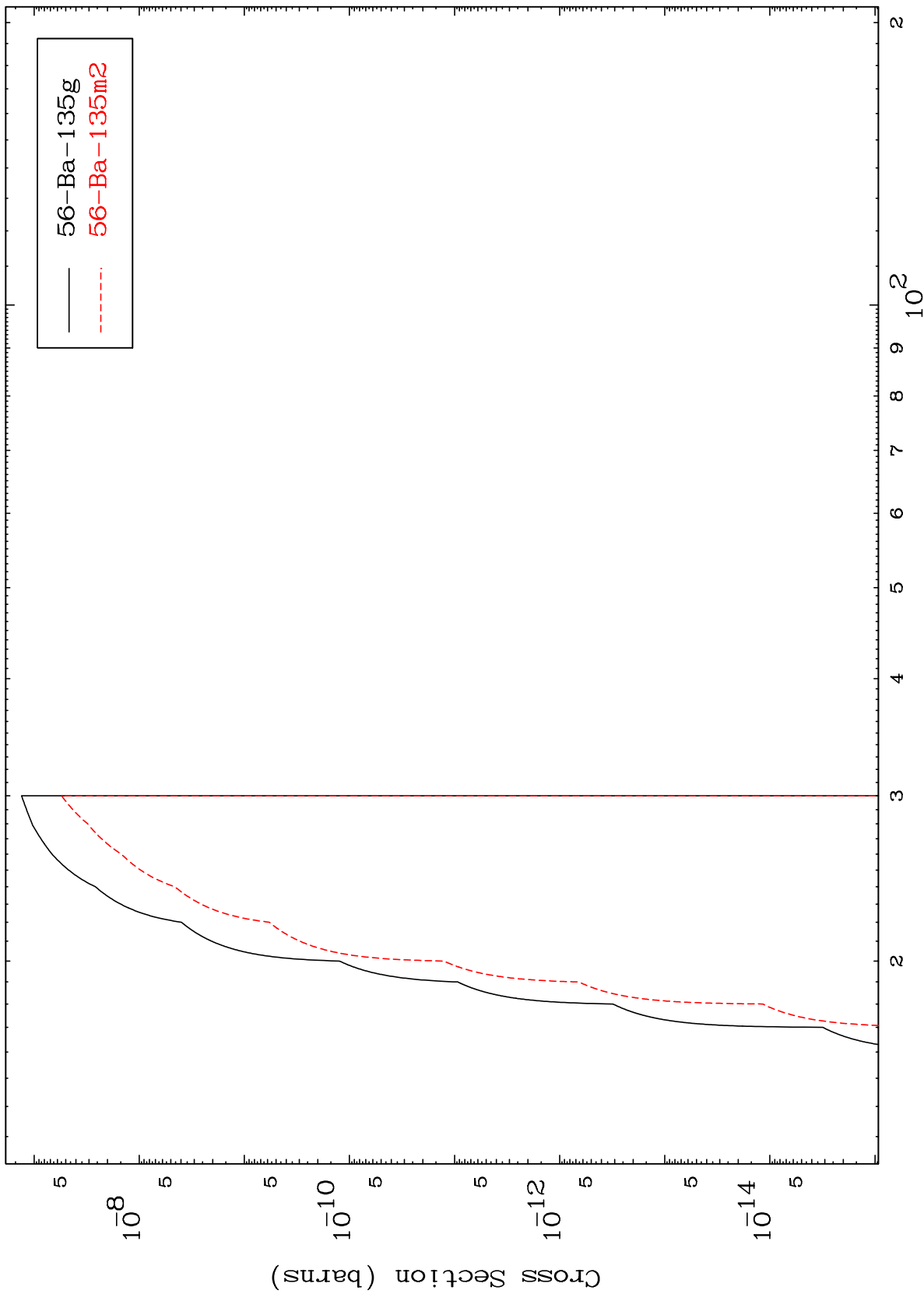
Incident Energy (MeV)

14

MAT 5828

58-Ce-137

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



15

Incident Energy (MeV)

58-Ce-137