

Program EVALPLOT
(Version 2017-1)

by

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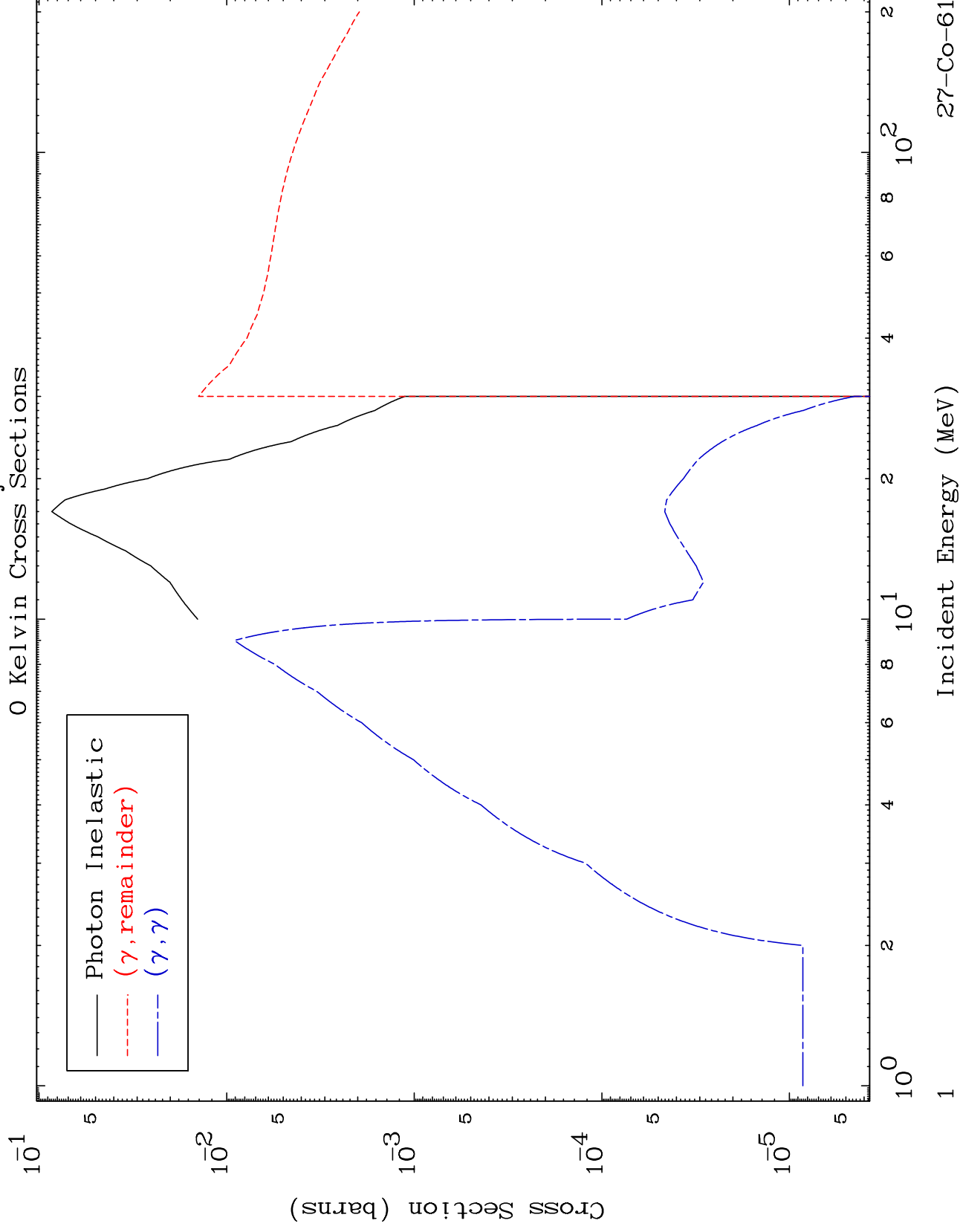
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2731

Photon Major
0 Kelvin Cross Sections

²⁷Co-61



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

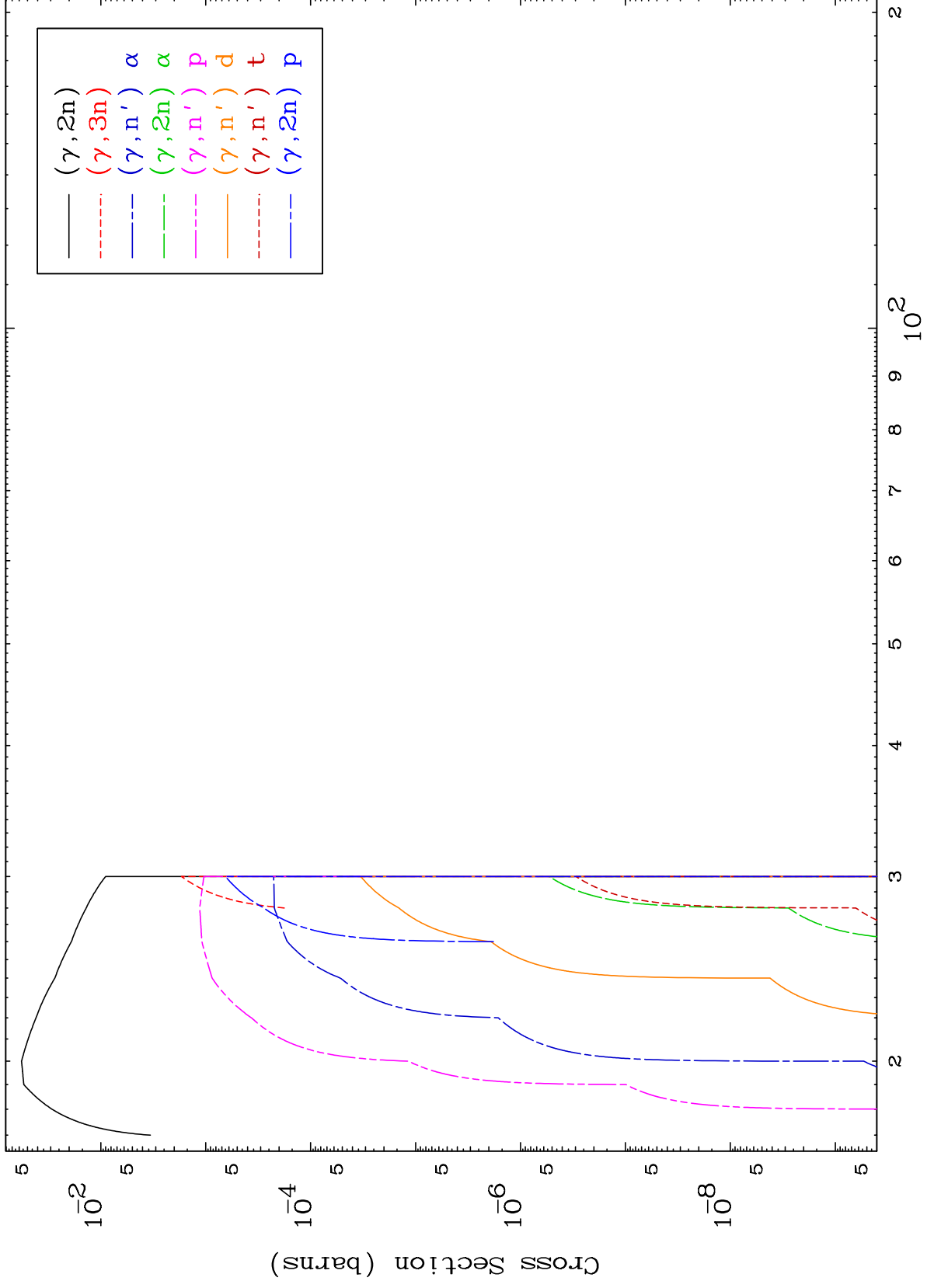
²⁷Co-61

Incident Energy (MeV)

MAT 2731

Photon Neutron Production
0 Kelvin Cross Sections

27-Co-61



2

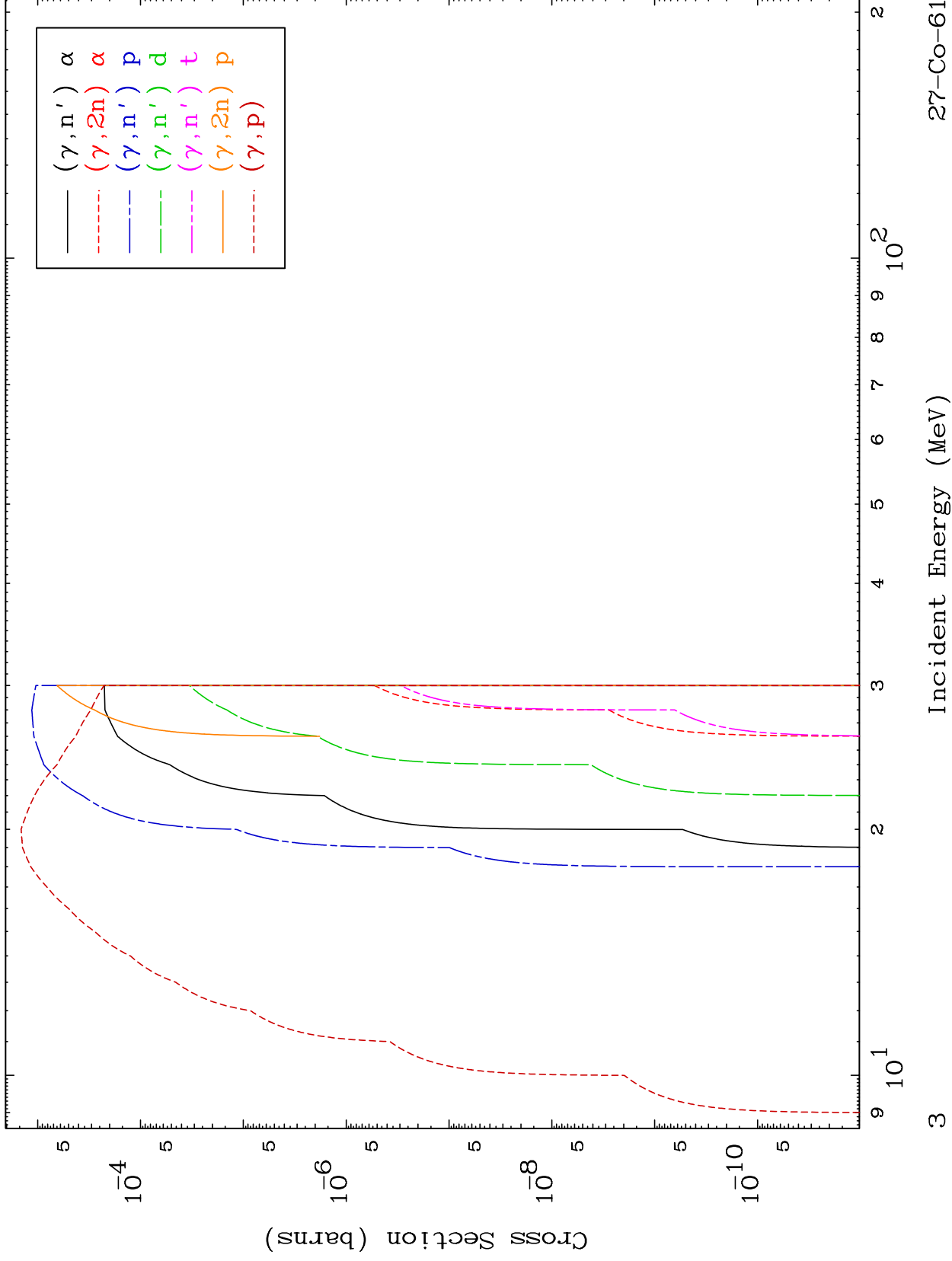
Incident Energy (MeV)

27-Co-61

MAT 2731

Photon Charged Particle
0 Kelvin Cross Sections

27-Co-61



27-Co-61

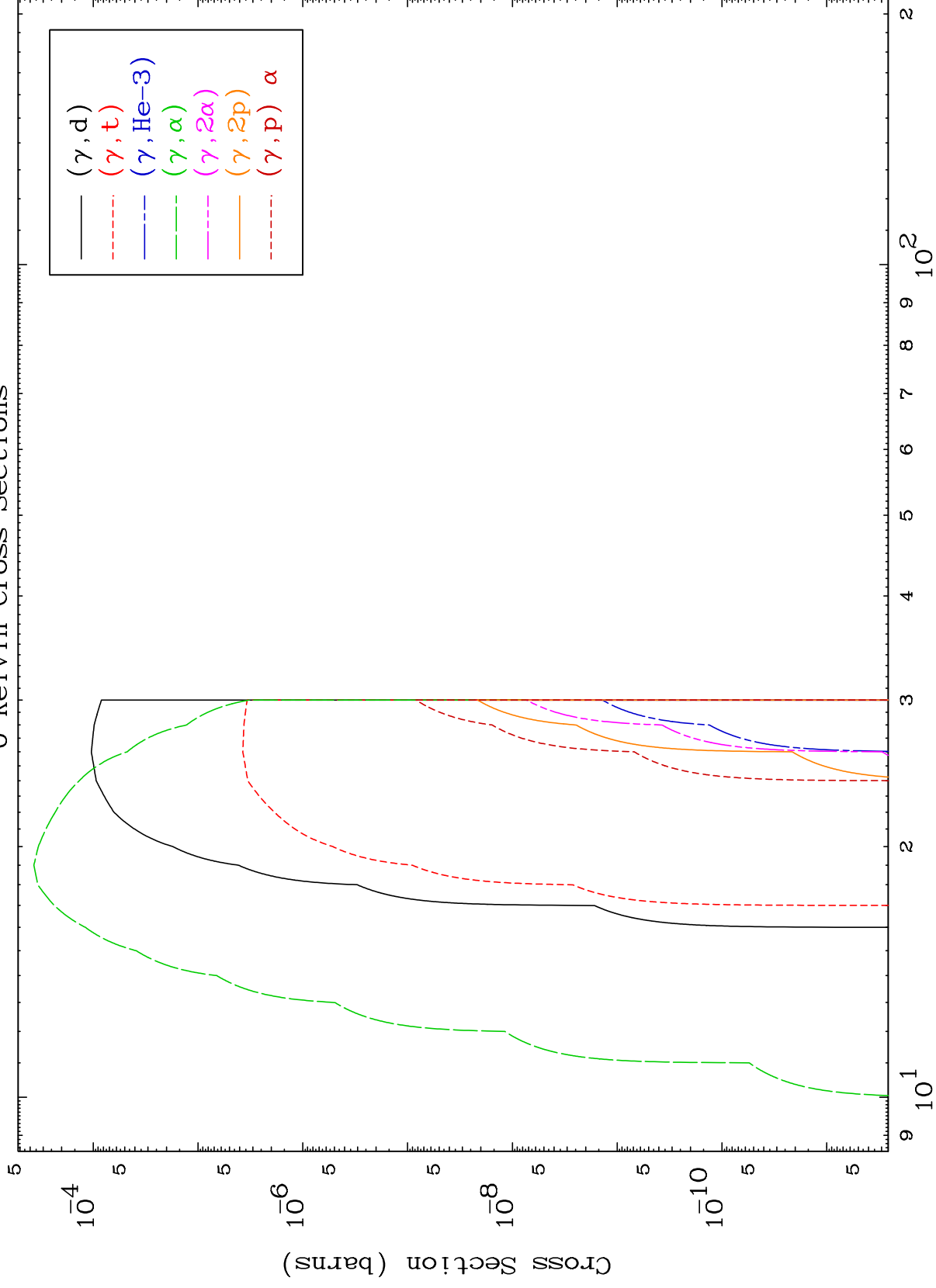
Incident Energy (MeV)

3

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Photon Charged Particle
0 Kelvin Cross Sections

27-Co-61



4

Incident Energy (MeV)

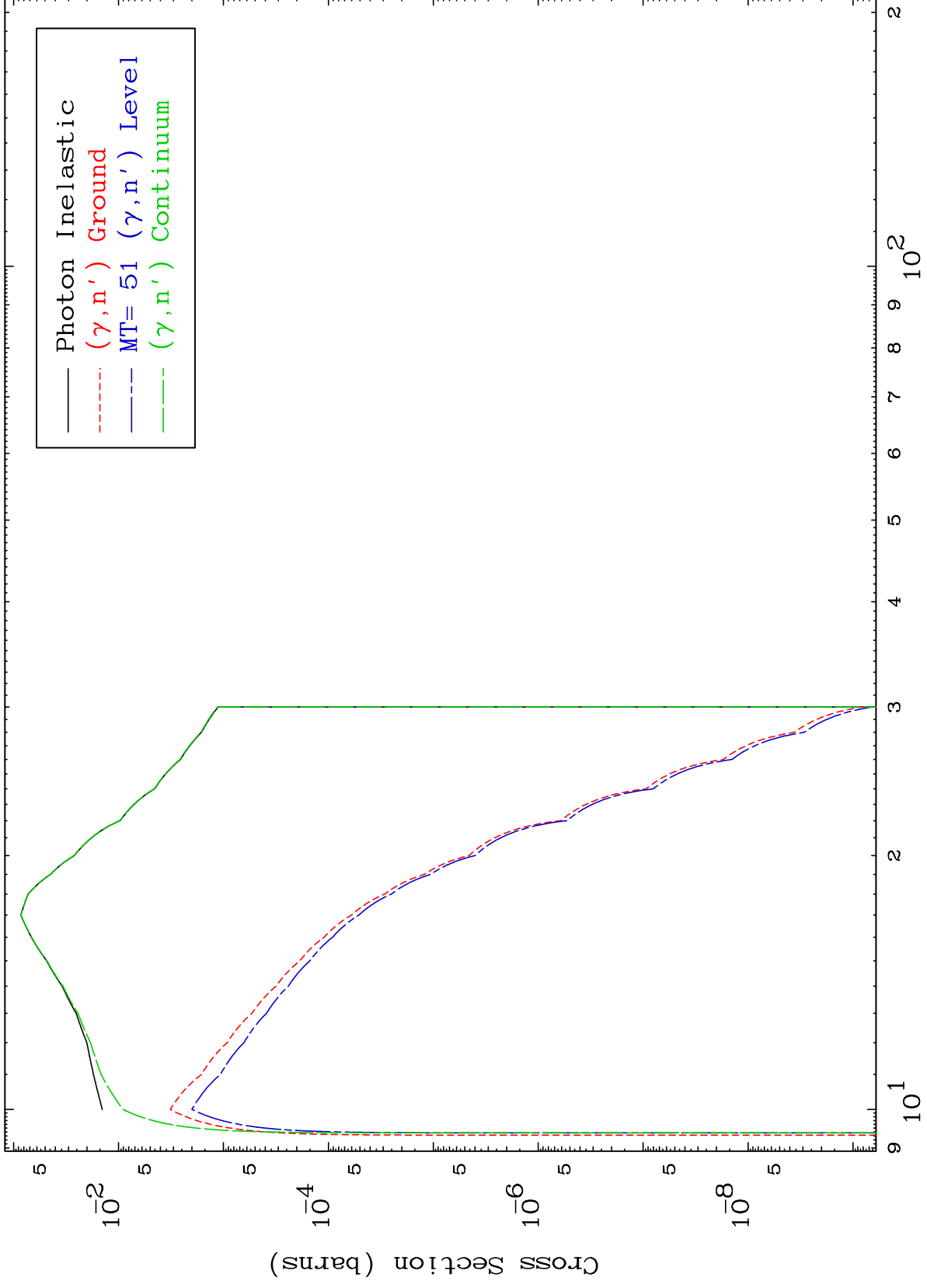
27-Co-61

MAT 2731

(γ, n') Level

27-Co-61

0 Kelvin Cross Sections



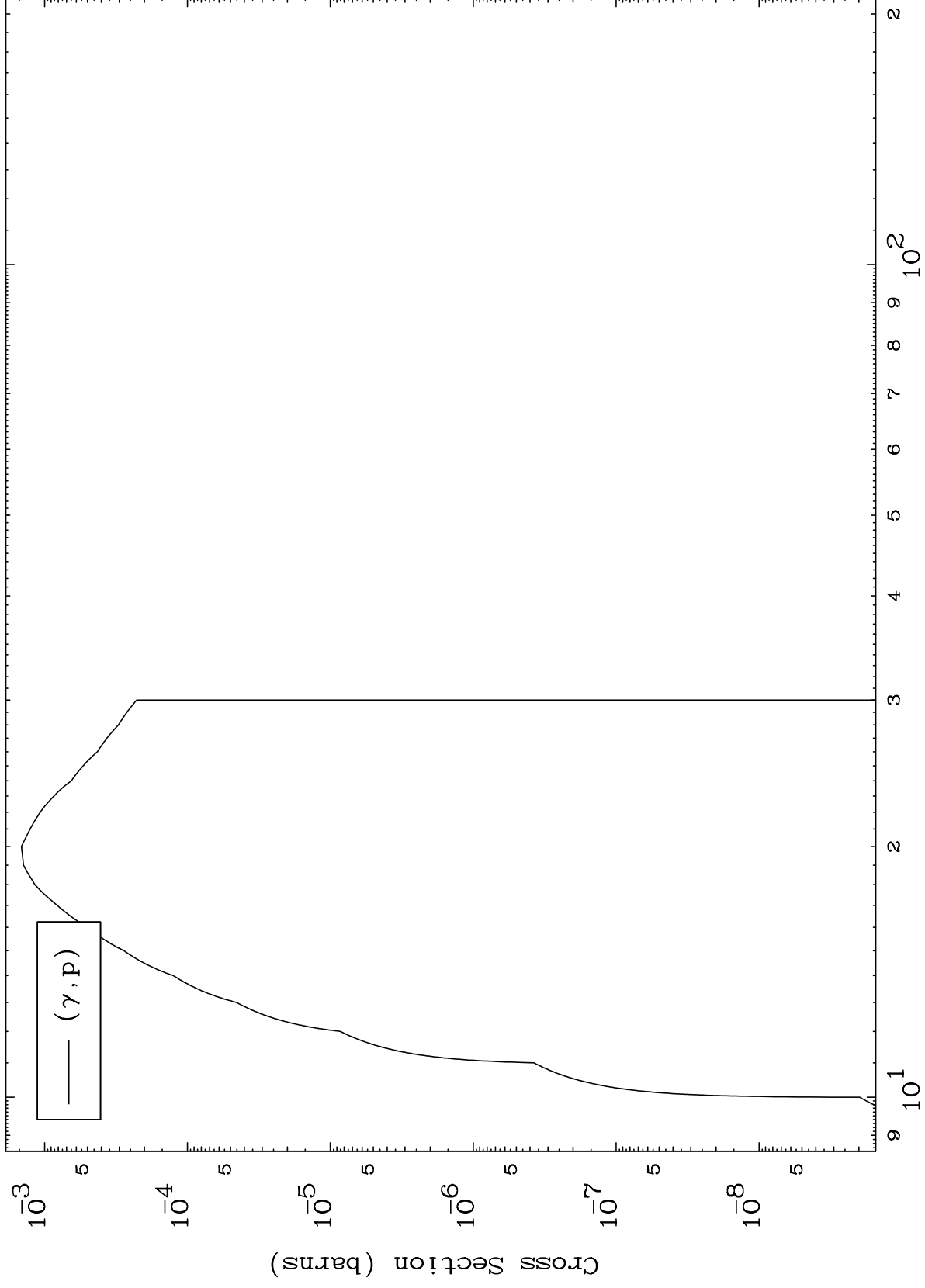
Incident Energy (MeV)

27-Co-61

MAT 2731

(γ, p) Levels
0 Kelvin Cross Sections

27-Co-61



Incident Energy (MeV)

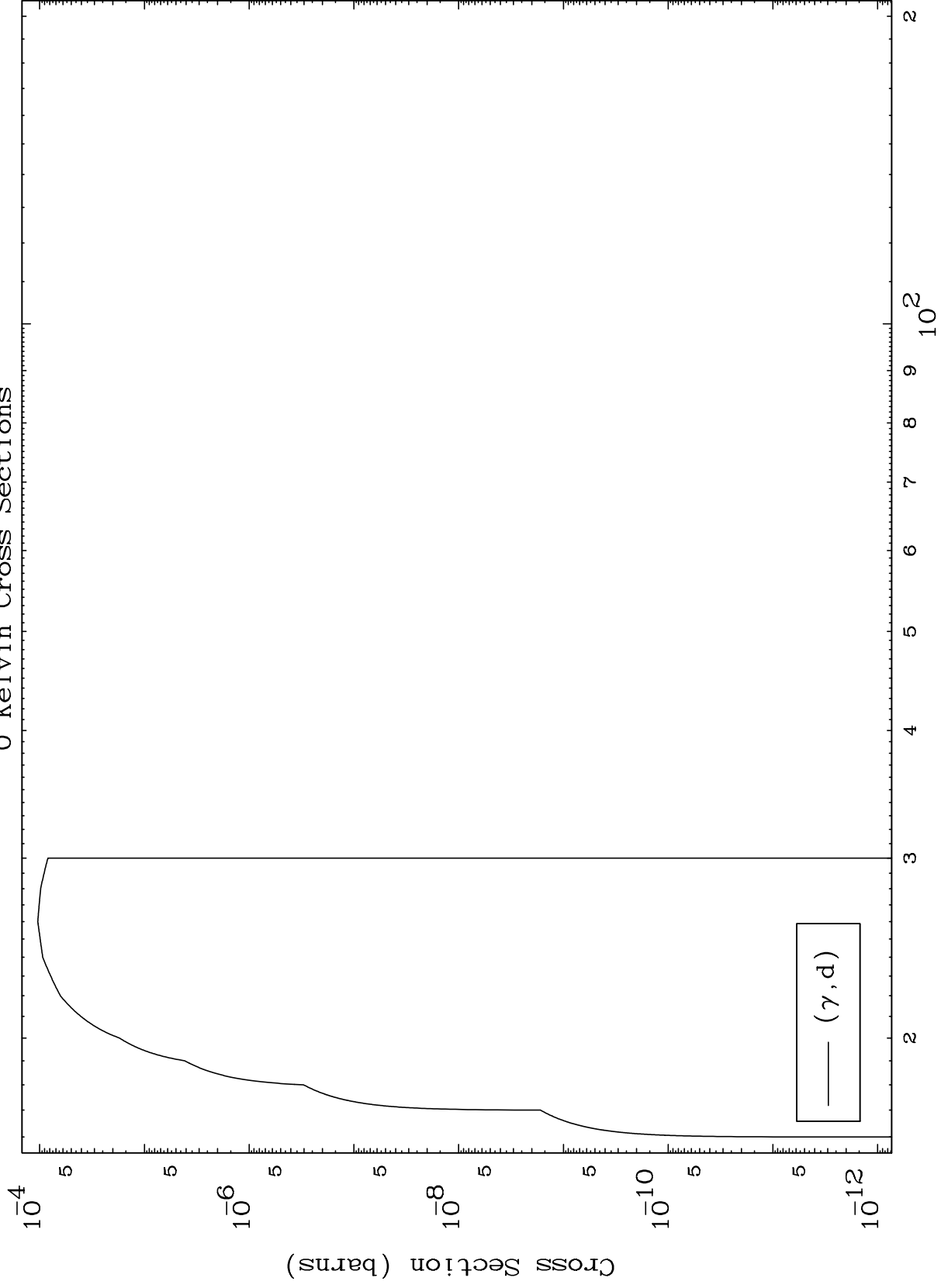
27-Co-61

6

MAT 2731

(γ, d) Levels
0 Kelvin Cross Sections

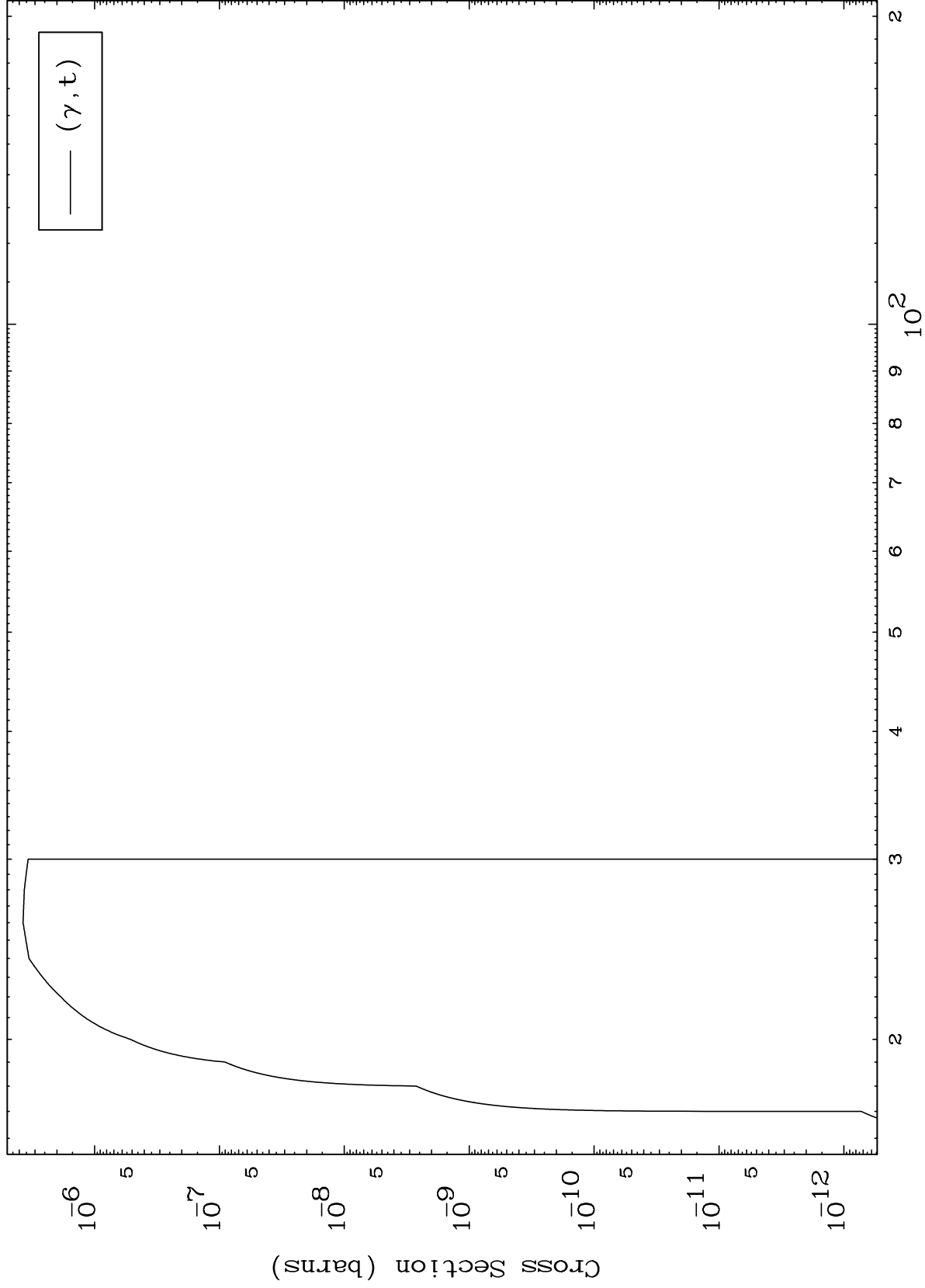
$^{27}\text{Co-61}$

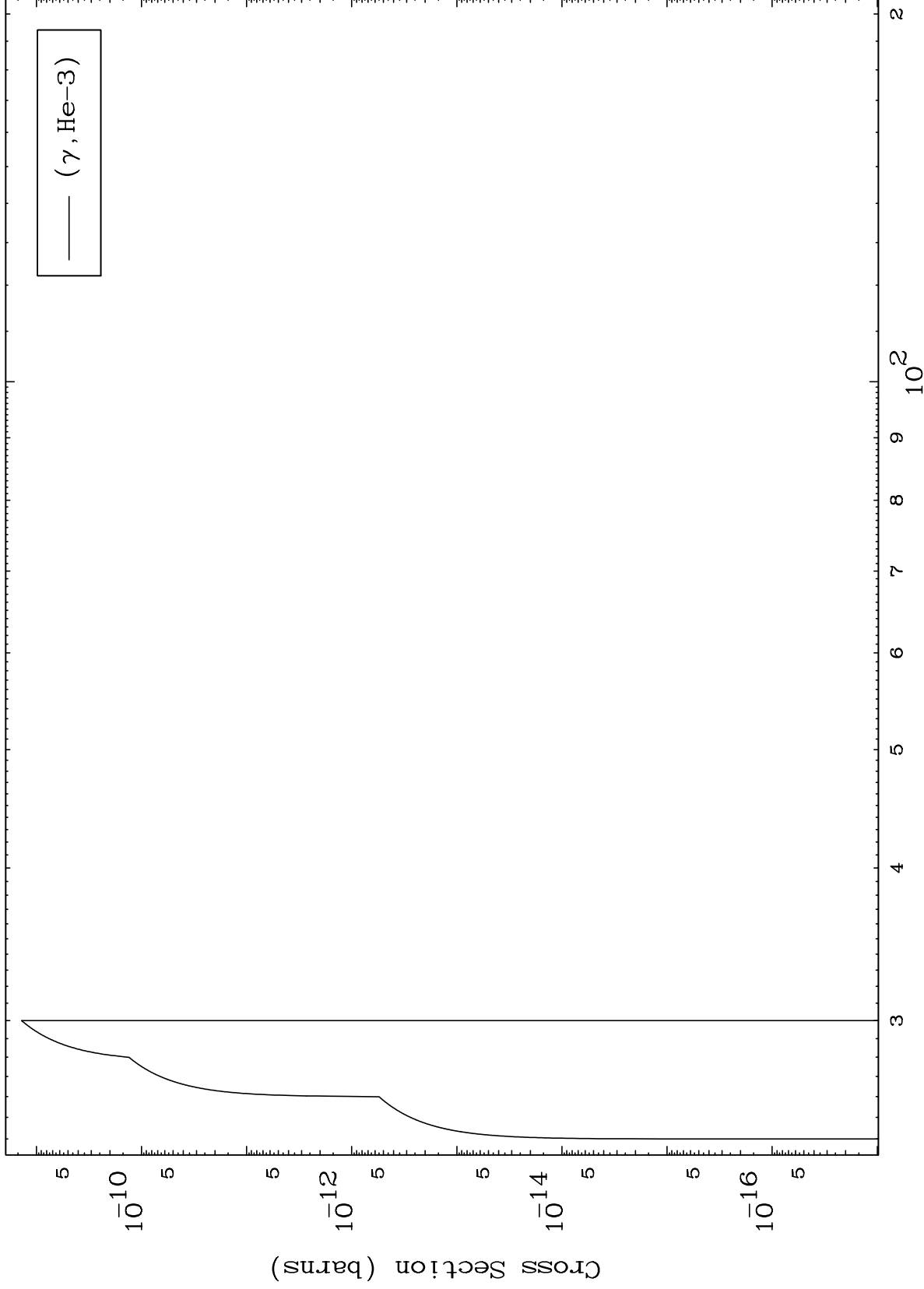


7

Incident Energy (MeV)

$^{27}\text{Co-61}$

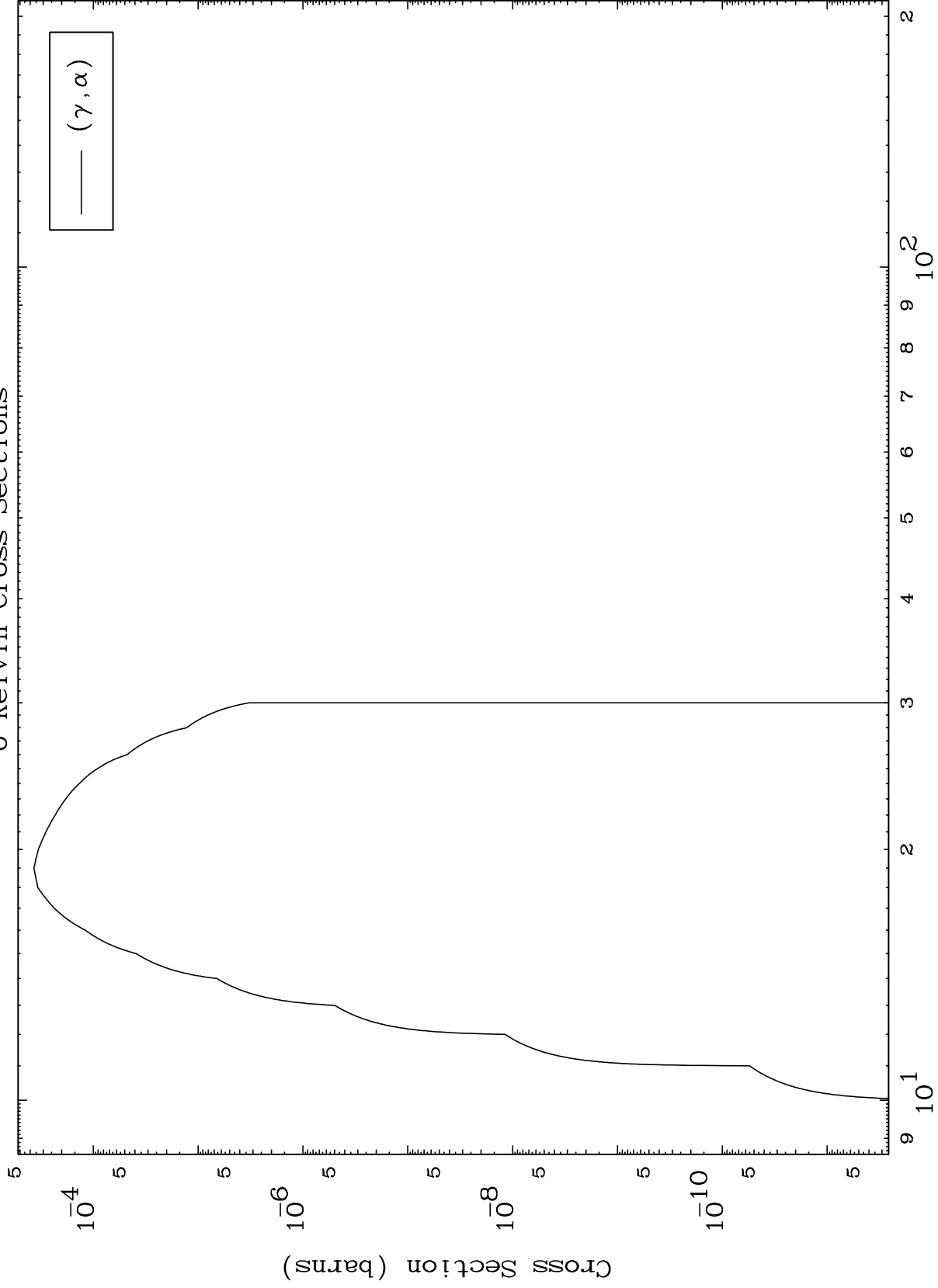




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(γ, α) Levels
0 Kelvin Cross Sections

27-Co-61



27-Co-61

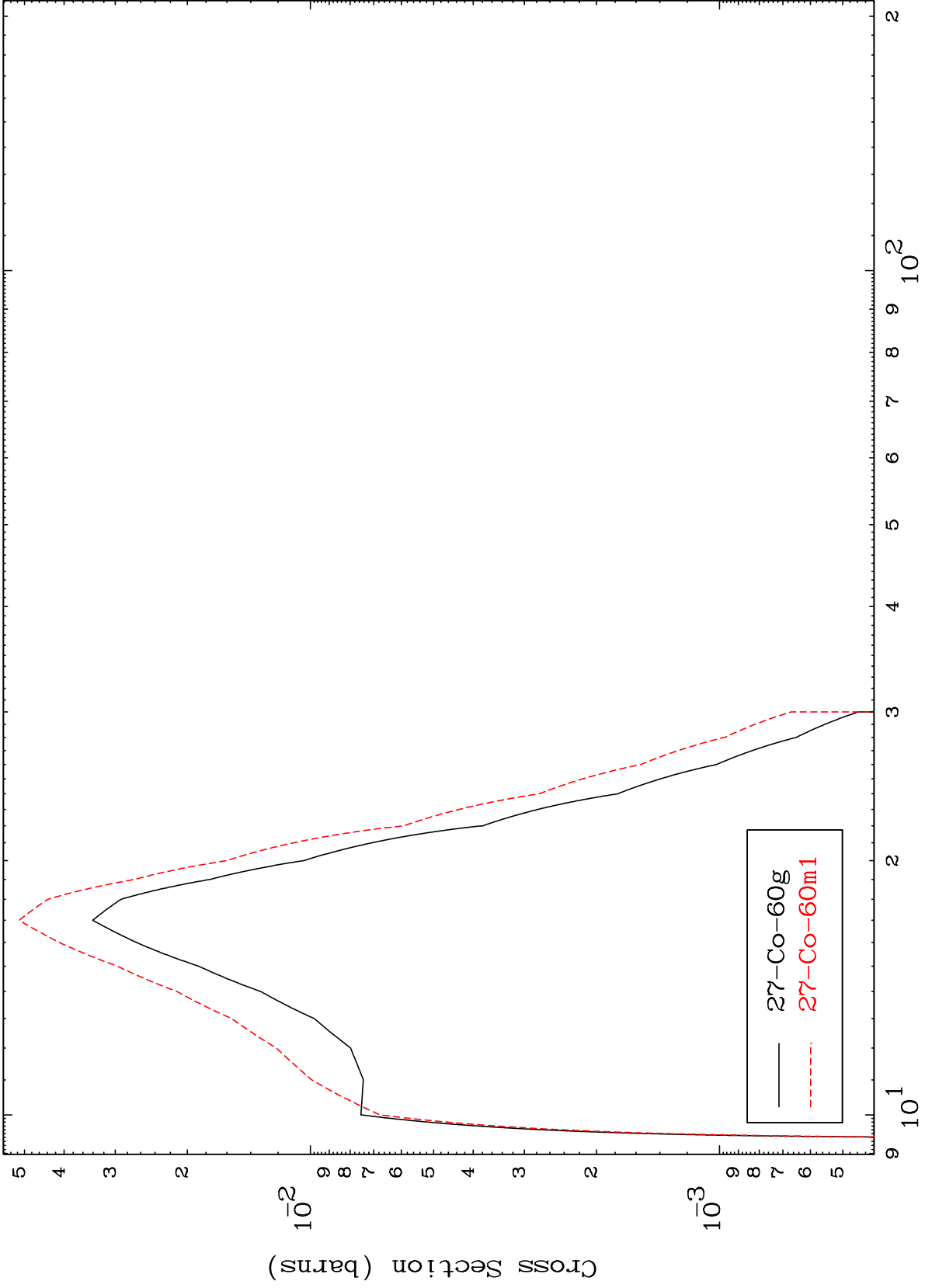
Incident Energy (MeV)

10

MAT 2731

27-Co-61

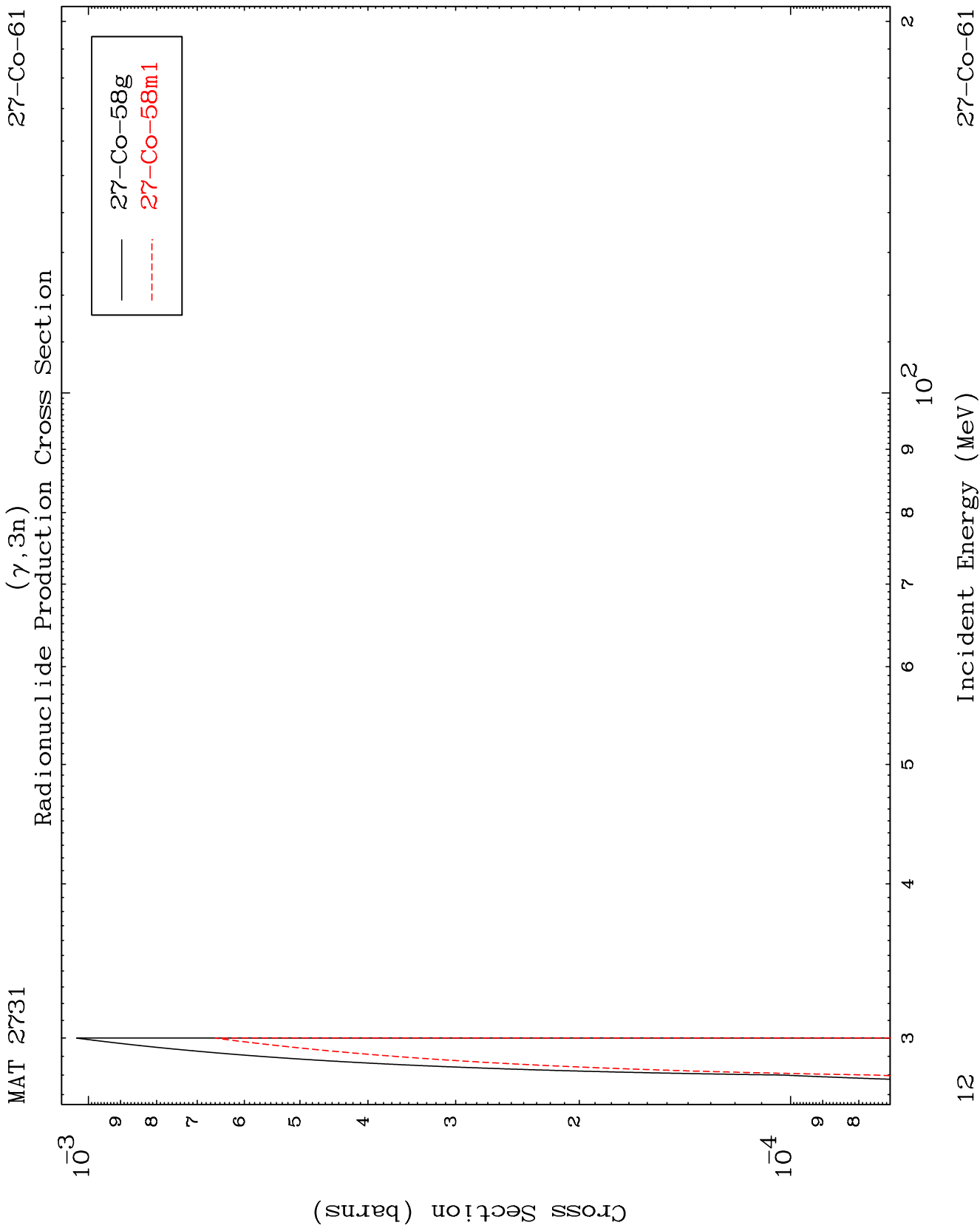
Photon Inelastic
Radionuclide Production Cross Section



27-Co-61

Incident Energy (MeV)

11



10^{-3}

Cross Section (barns)

10^{-4}

10^2

Incident Energy (MeV)

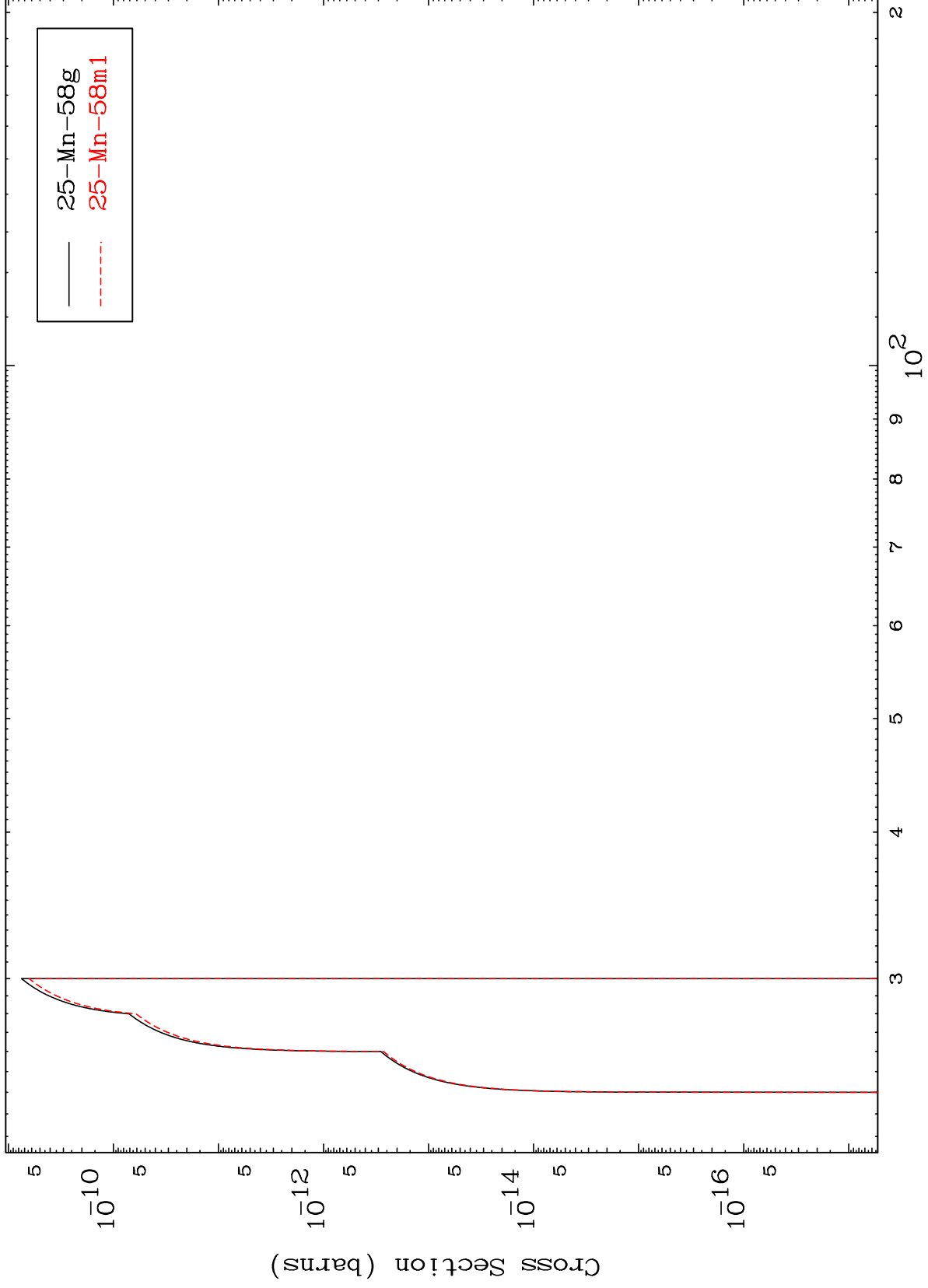
27-Co-58g
27-Co-58m1

MAT 2731

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

27-Co-61

Radionuclide Production Cross Section



13

Incident Energy (MeV)

27-Co-61