

Program EVALPLOT  
(Version 2017-1)

by

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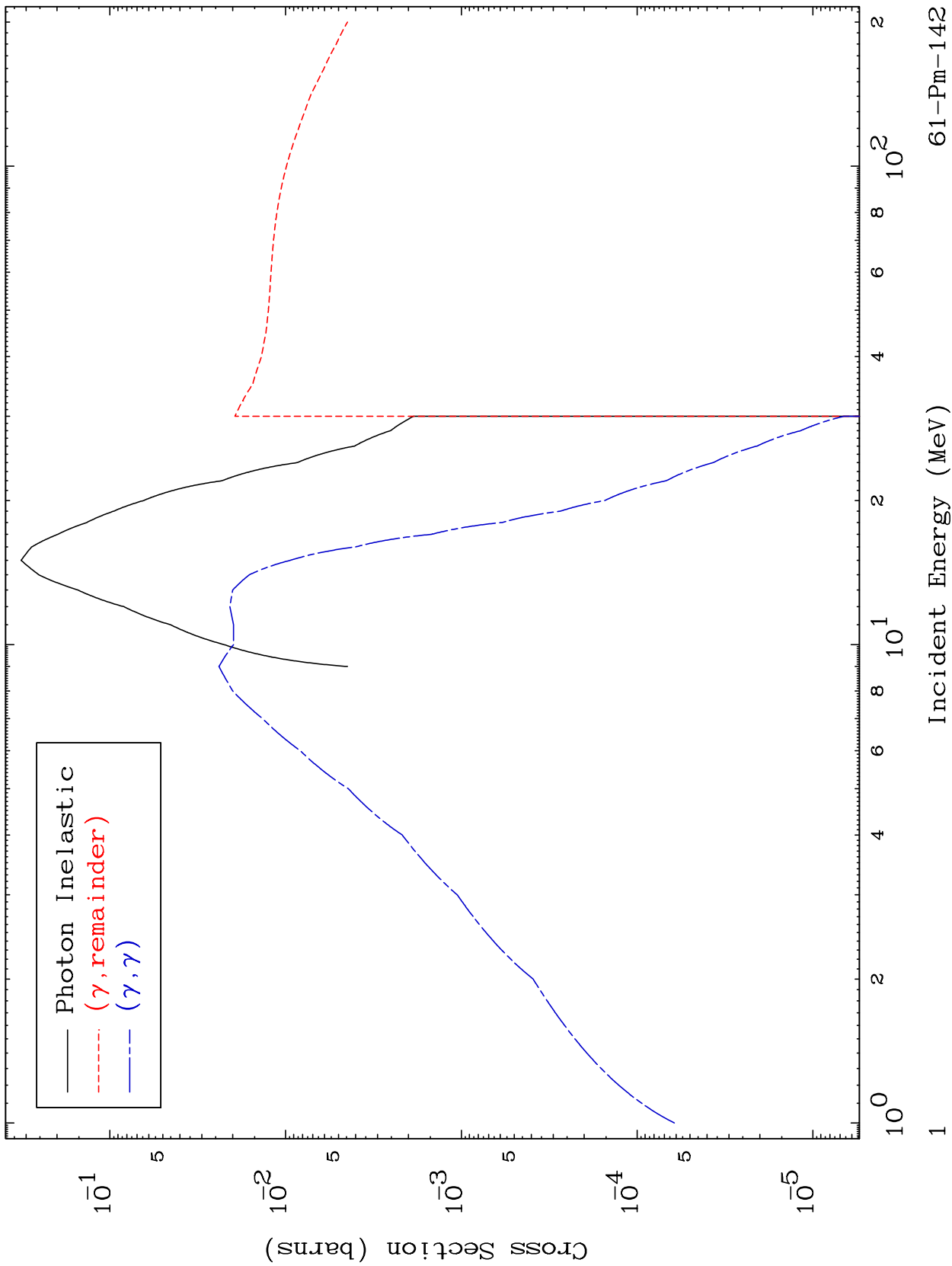
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6134

Photon Major  
0 Kelvin Cross Sections

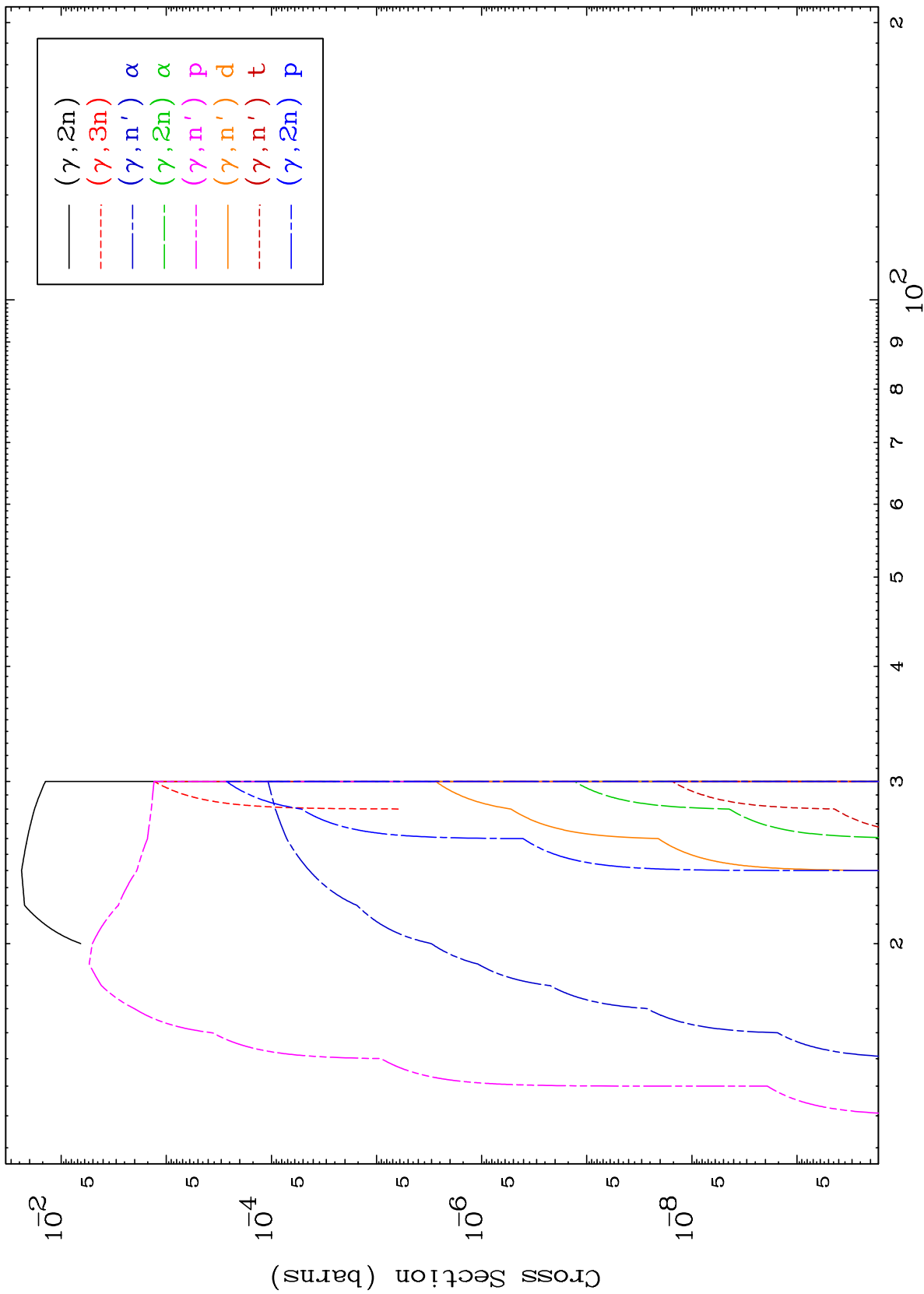
61-Pm-142



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

61-Pm-142

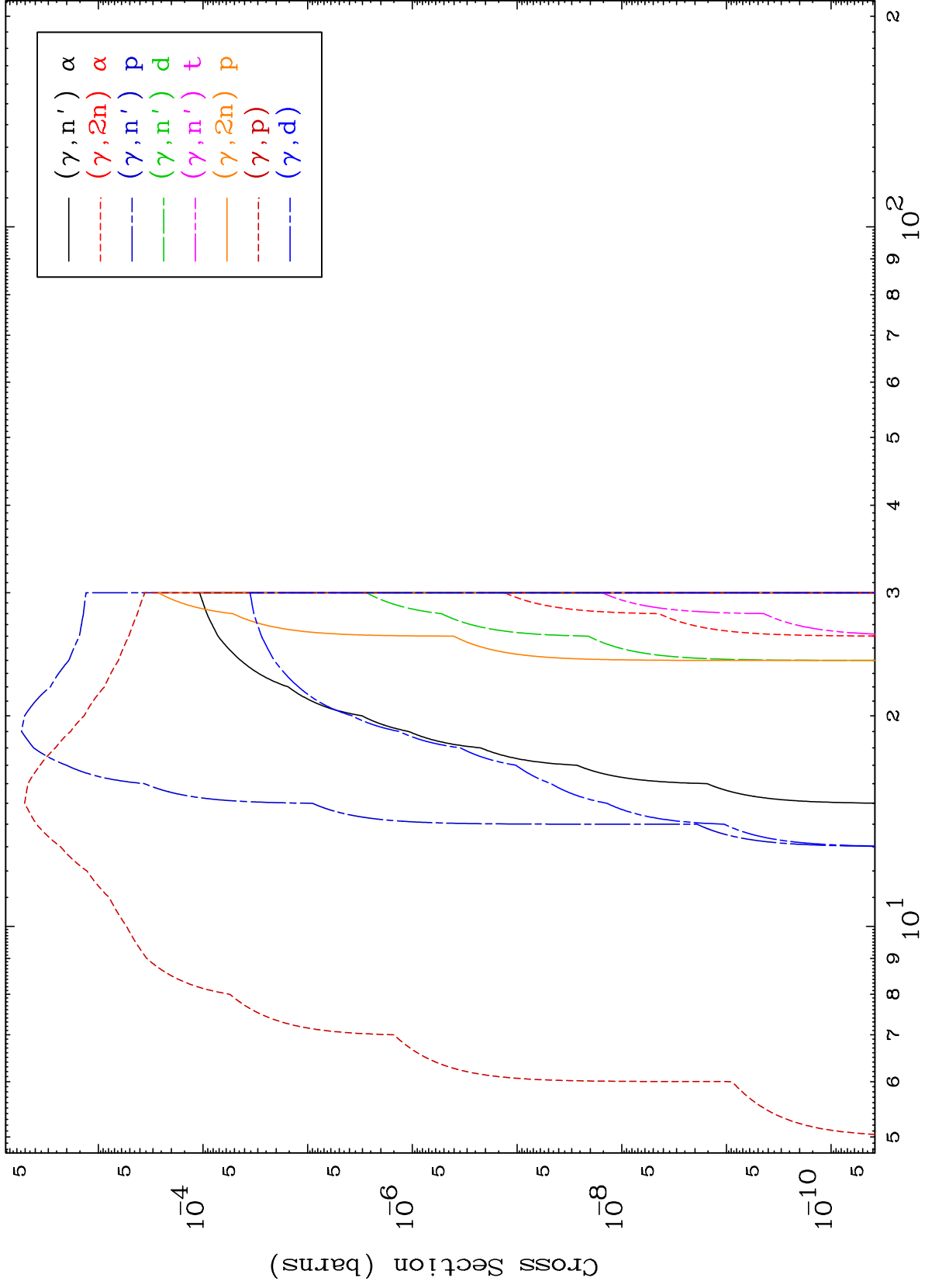
Incident Energy (MeV)



MAT 6134

Photon Charged Particle  
0 Kelvin Cross Sections

61-Pm-142



3

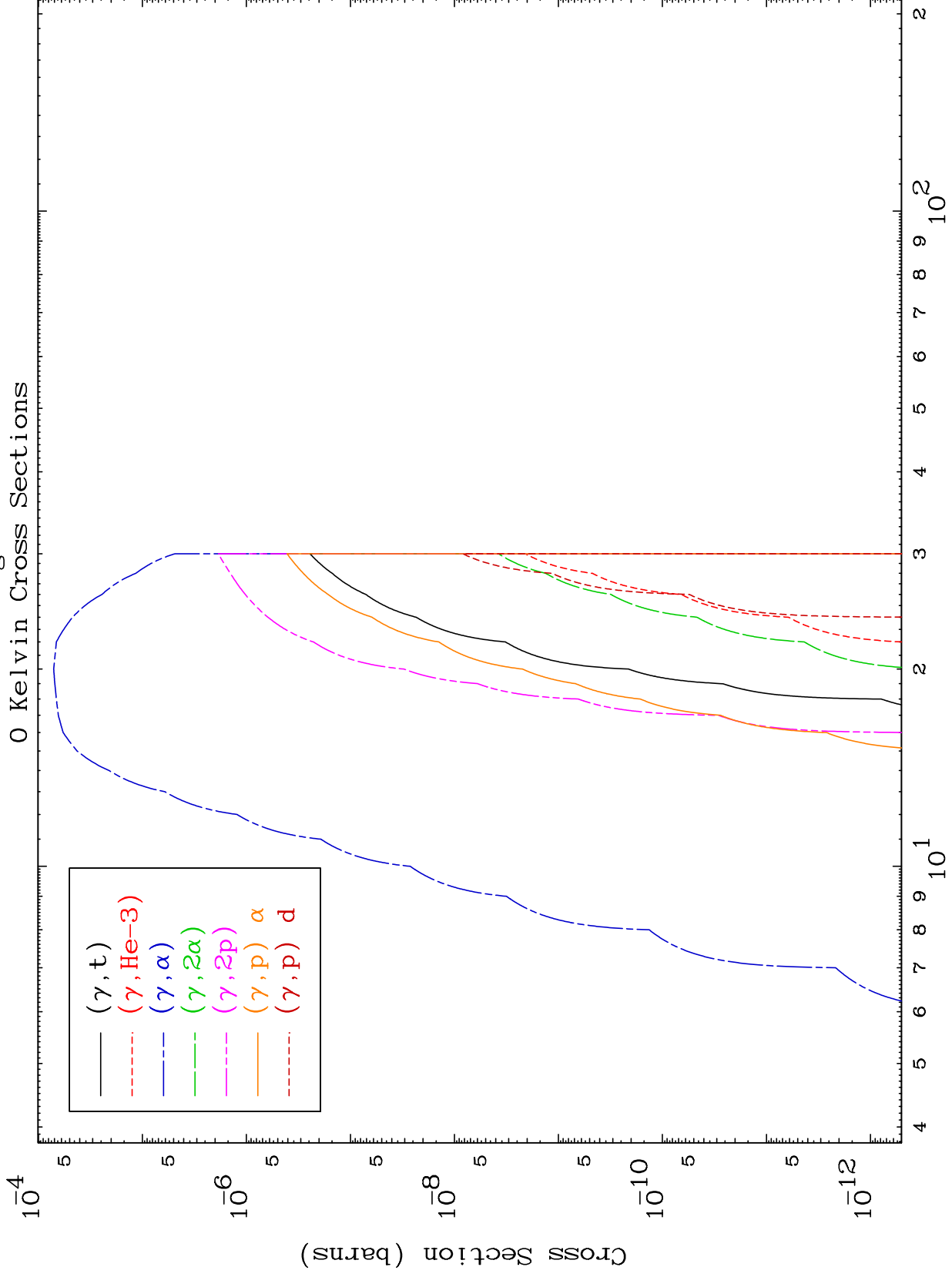
Incident Energy (MeV)

61-Pm-142

MAT 6134

Photon Charged Particle  
0 Kelvin Cross Sections

61-Pm-142



4

Incident Energy (MeV)

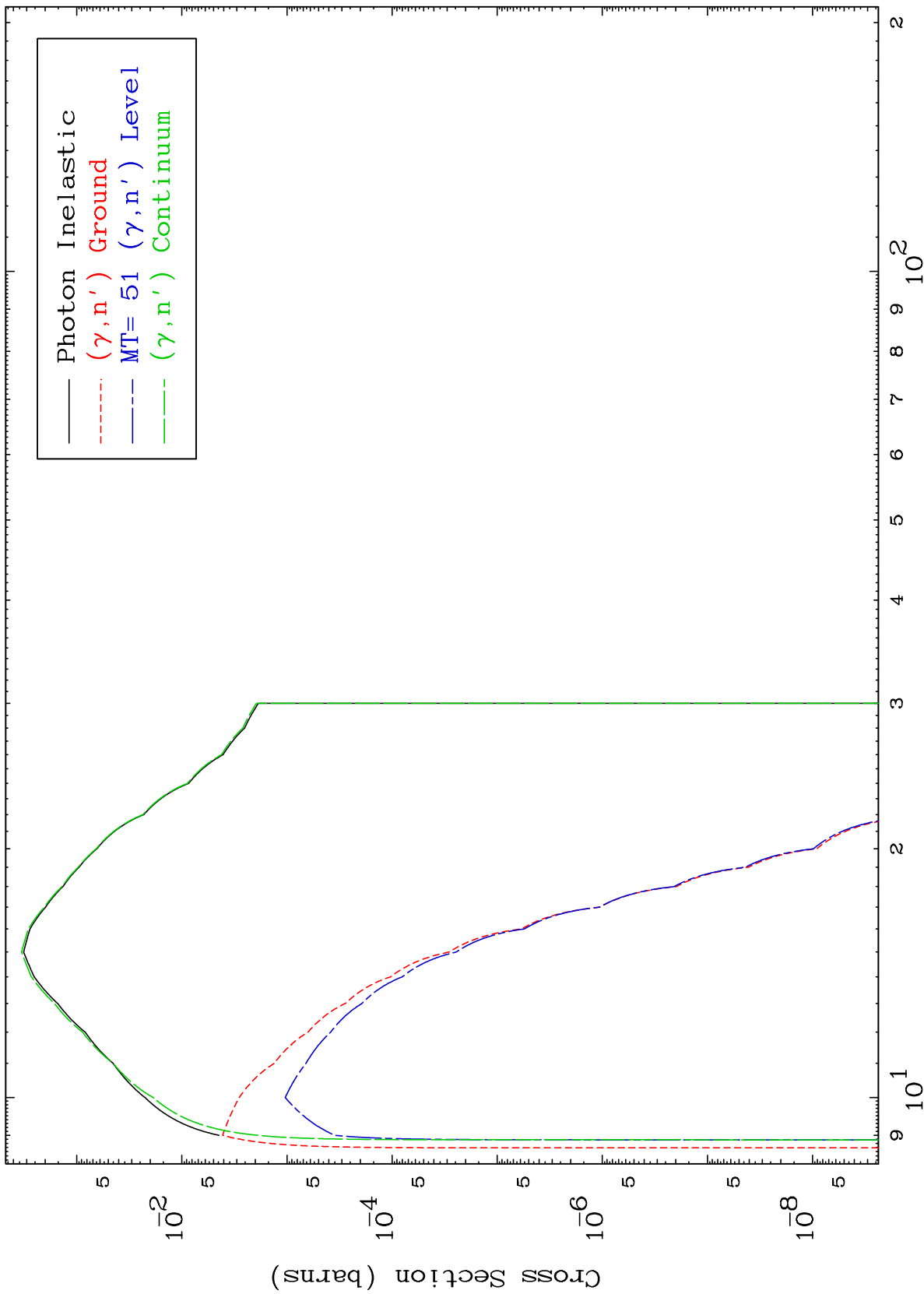
61-Pm-142

MAT 6134

( $\gamma, n'$ ) Level

61-Pm-142

0 Kelvin Cross Sections



Incident Energy (MeV)

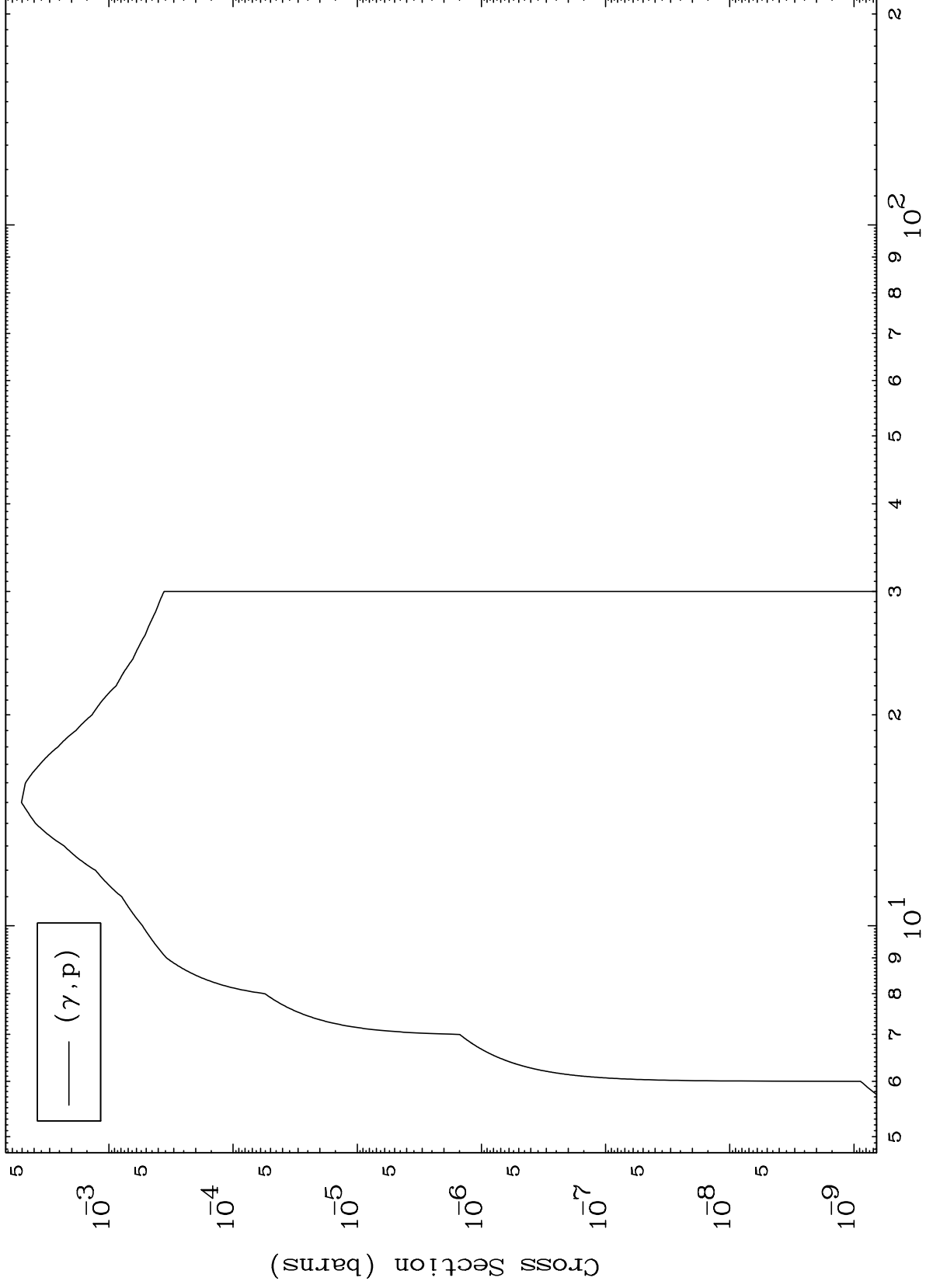
61-Pm-142

5

MAT 6134

( $\gamma, p$ ) Levels  
0 Kelvin Cross Sections

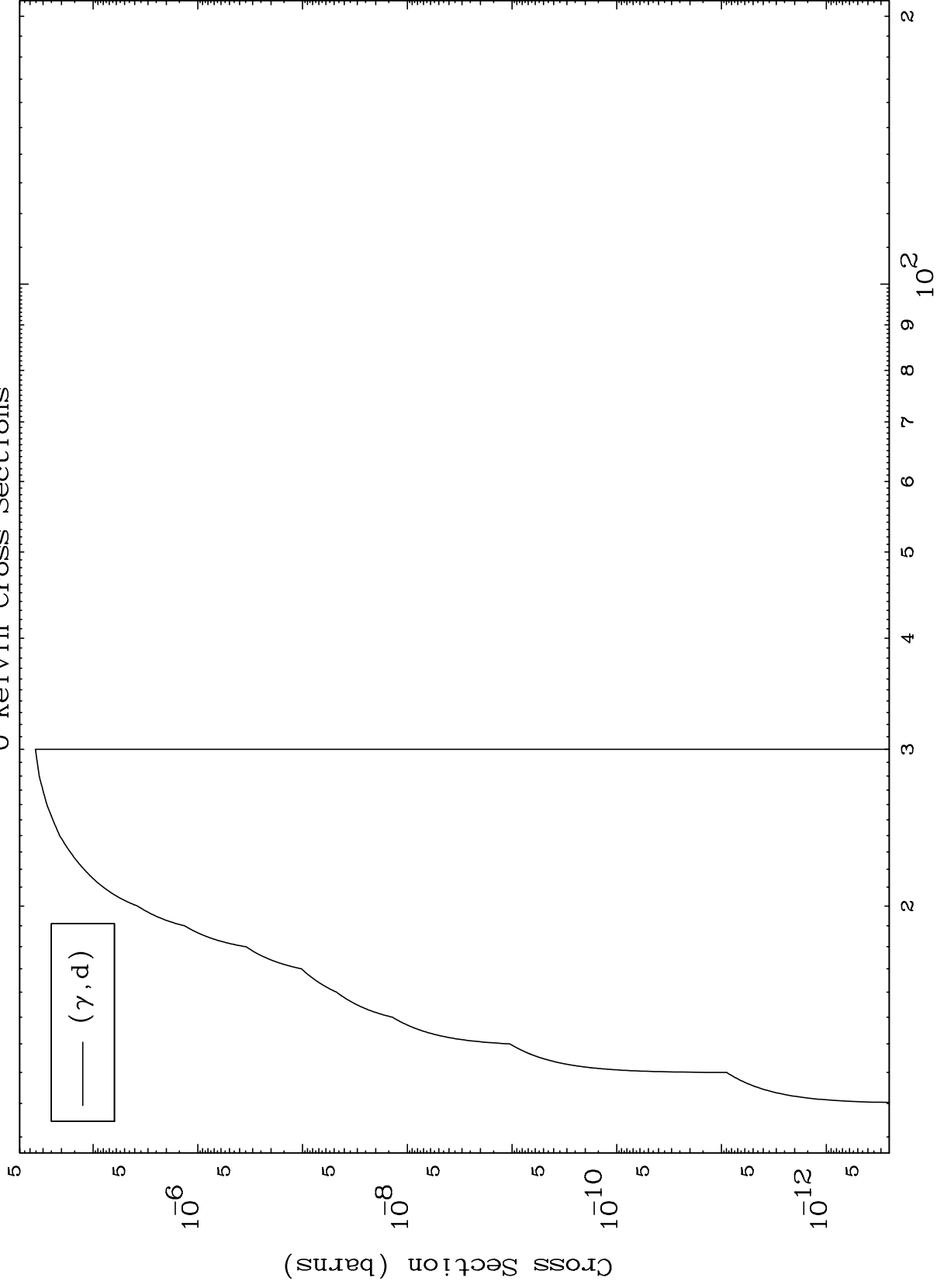
61-Pm-142



6

Incident Energy (MeV)

61-Pm-142



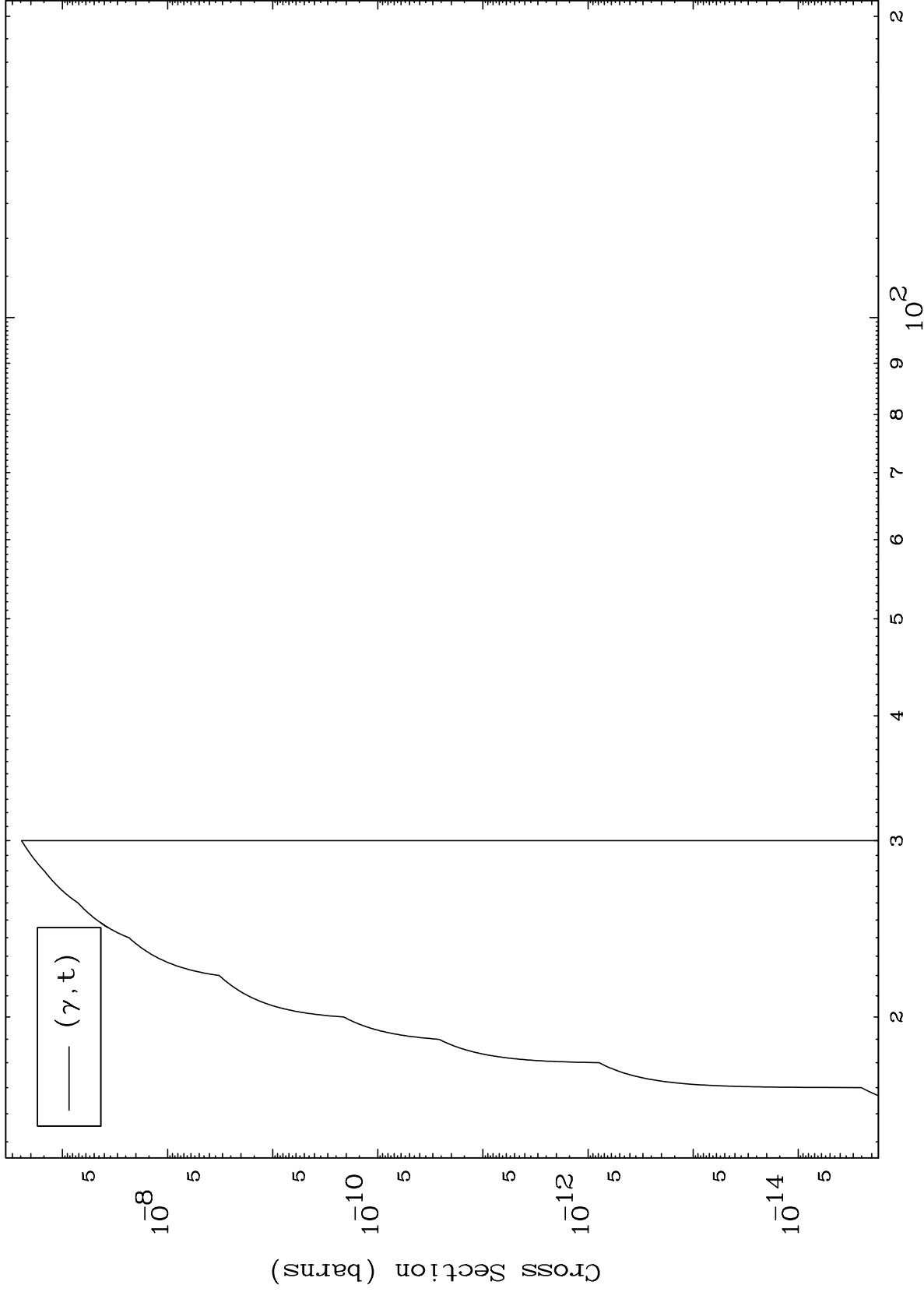


MAT 6134

( $\gamma, t$ ) Levels

61-Pm-142

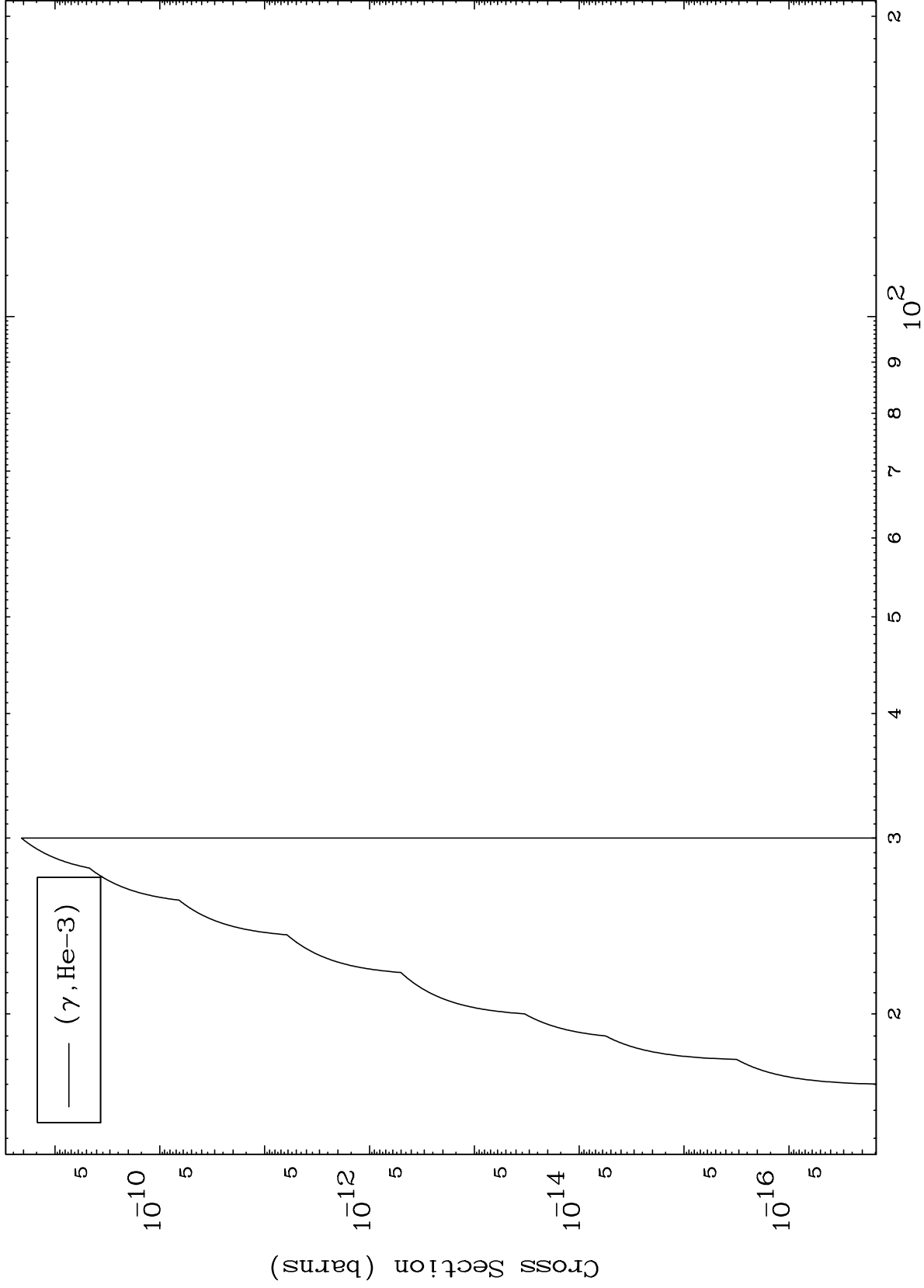
0 Kelvin Cross Sections



8

Incident Energy (MeV)

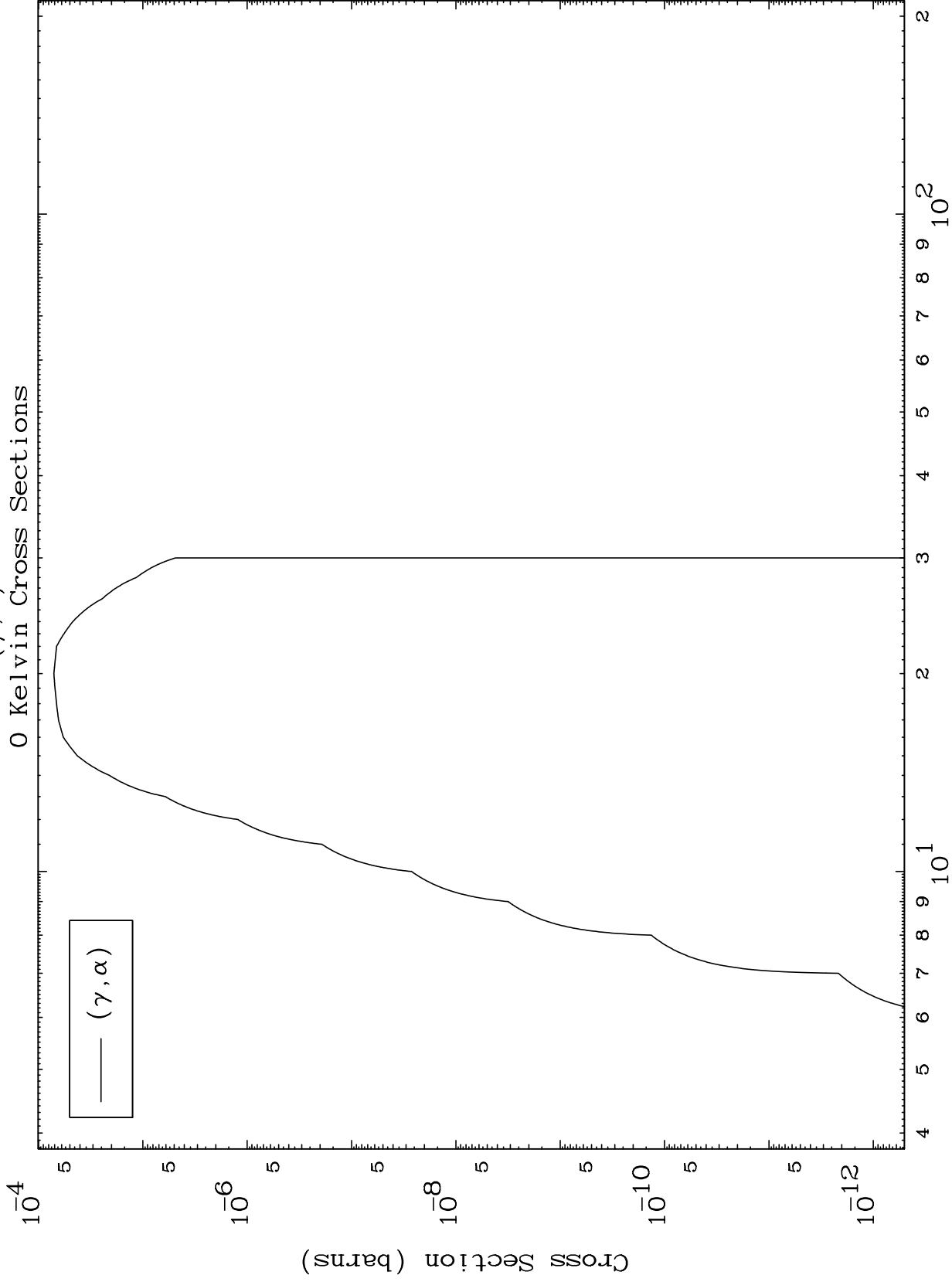
61-Pm-142



MAT 6134

( $\gamma, \alpha$ ) Levels

61-Pm-142



10

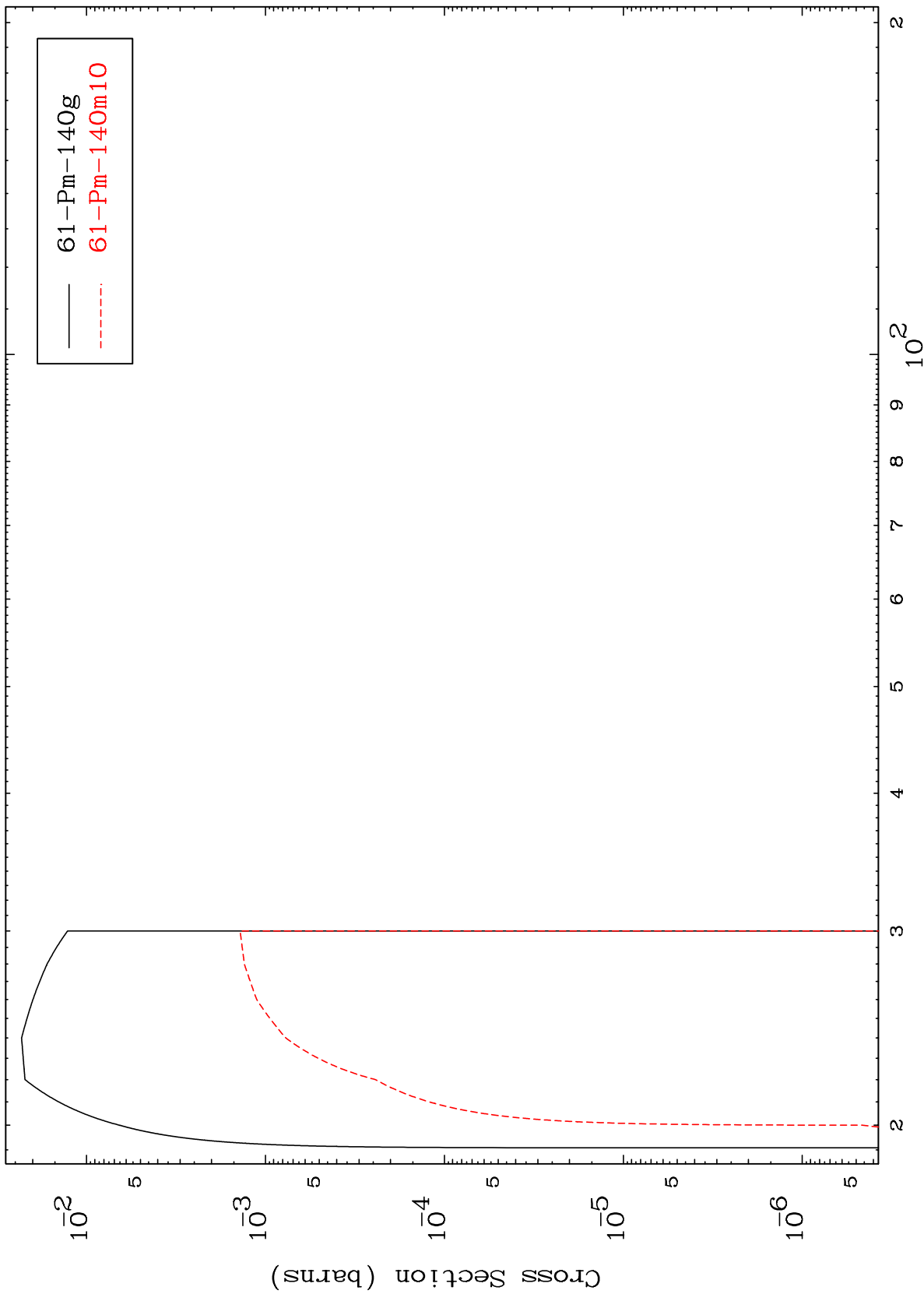
Incident Energy (MeV)

61-Pm-142

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61-Pm-142

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



11

61-Pm-142

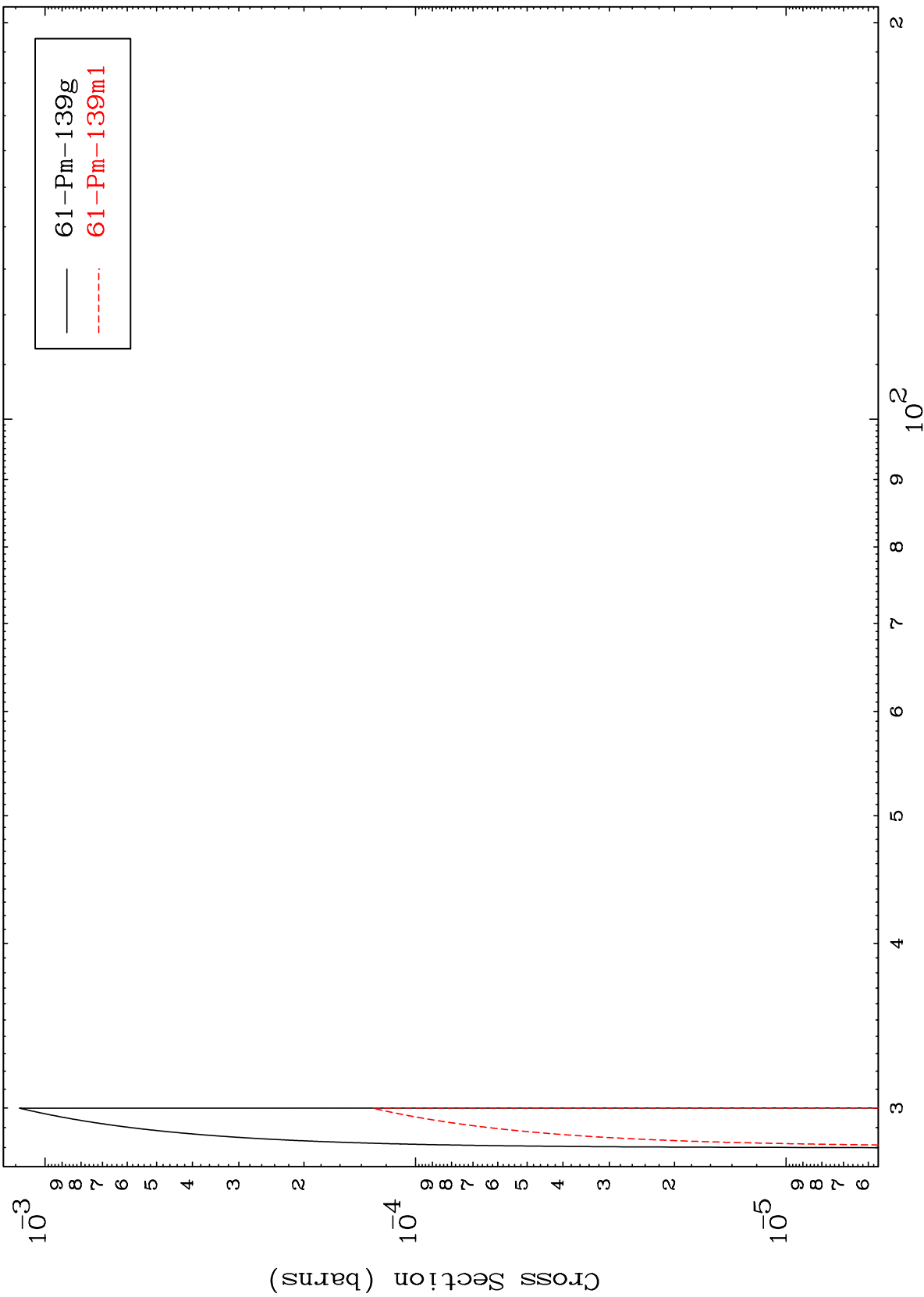
Incident Energy (MeV)

MAT 6134

61-Pm-142

( $\gamma, 3n$ )

Radionuclide Production Cross Section



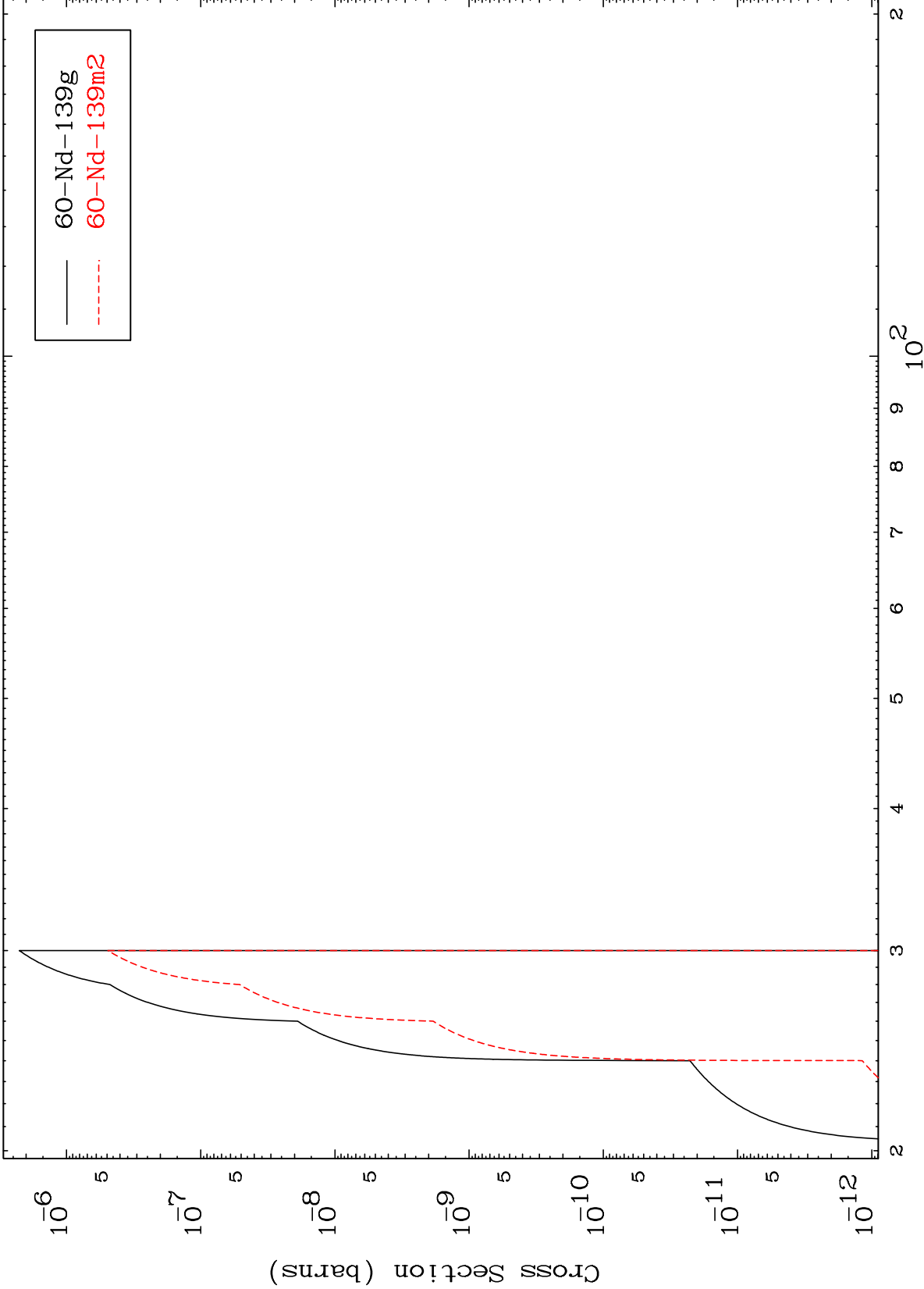
61-Pm-139g  
61-Pm-139m1

12

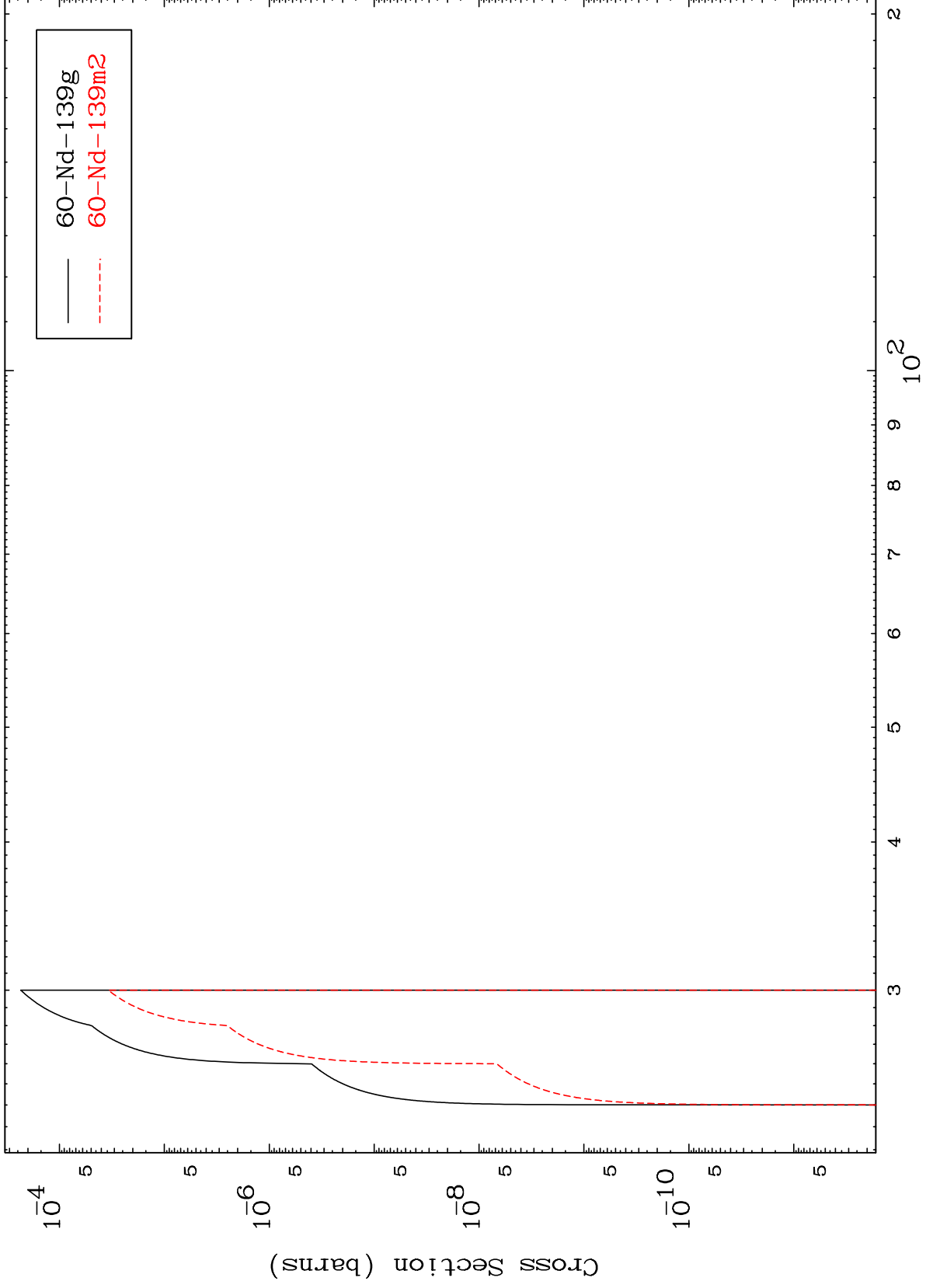
61-Pm-142

Incident Energy (MeV)

Radionuclide Production Cross Section



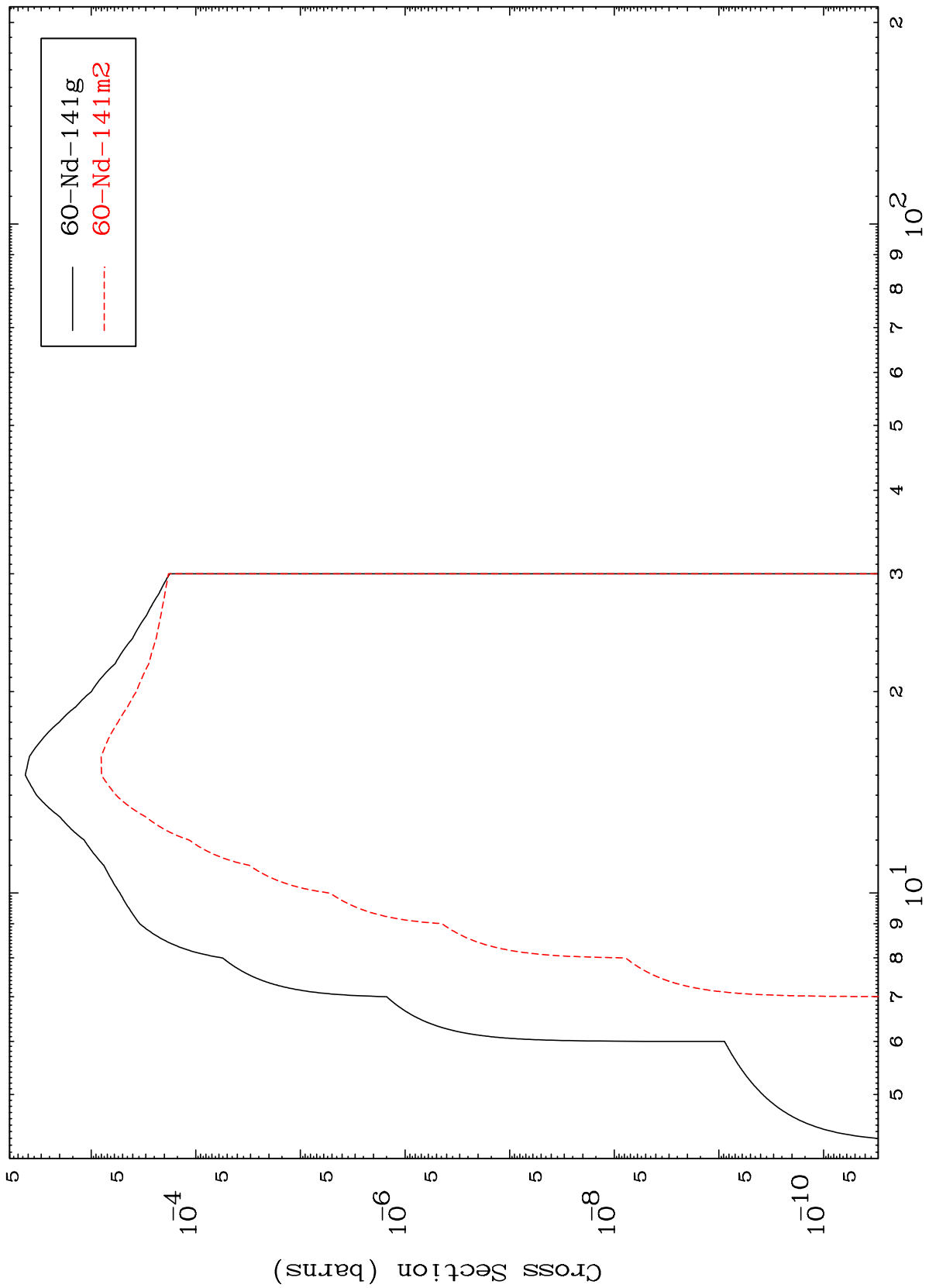
Radionuclide Production Cross Section



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61-Pm-142

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



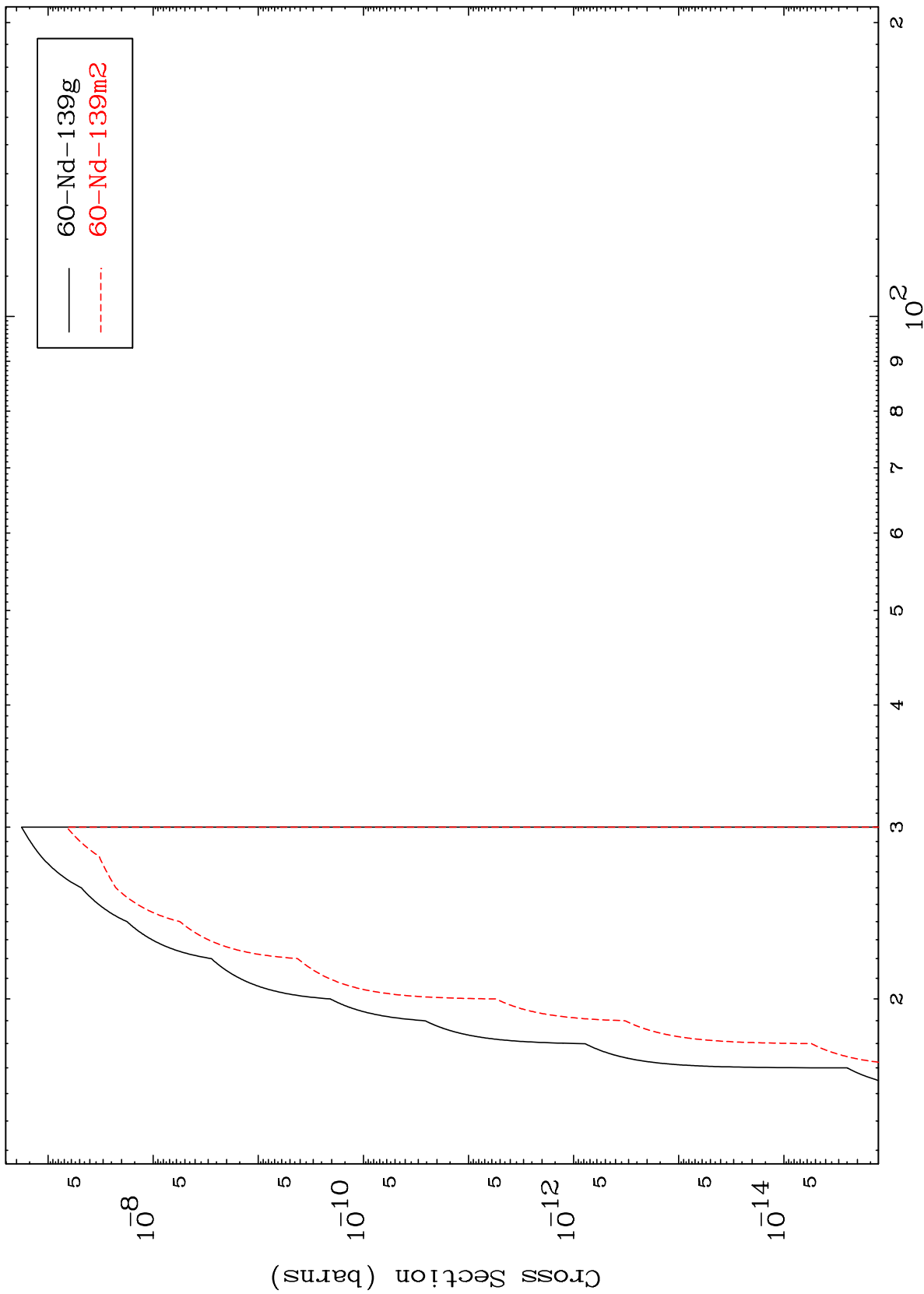
15

Incident Energy (MeV)

61-Pm-142



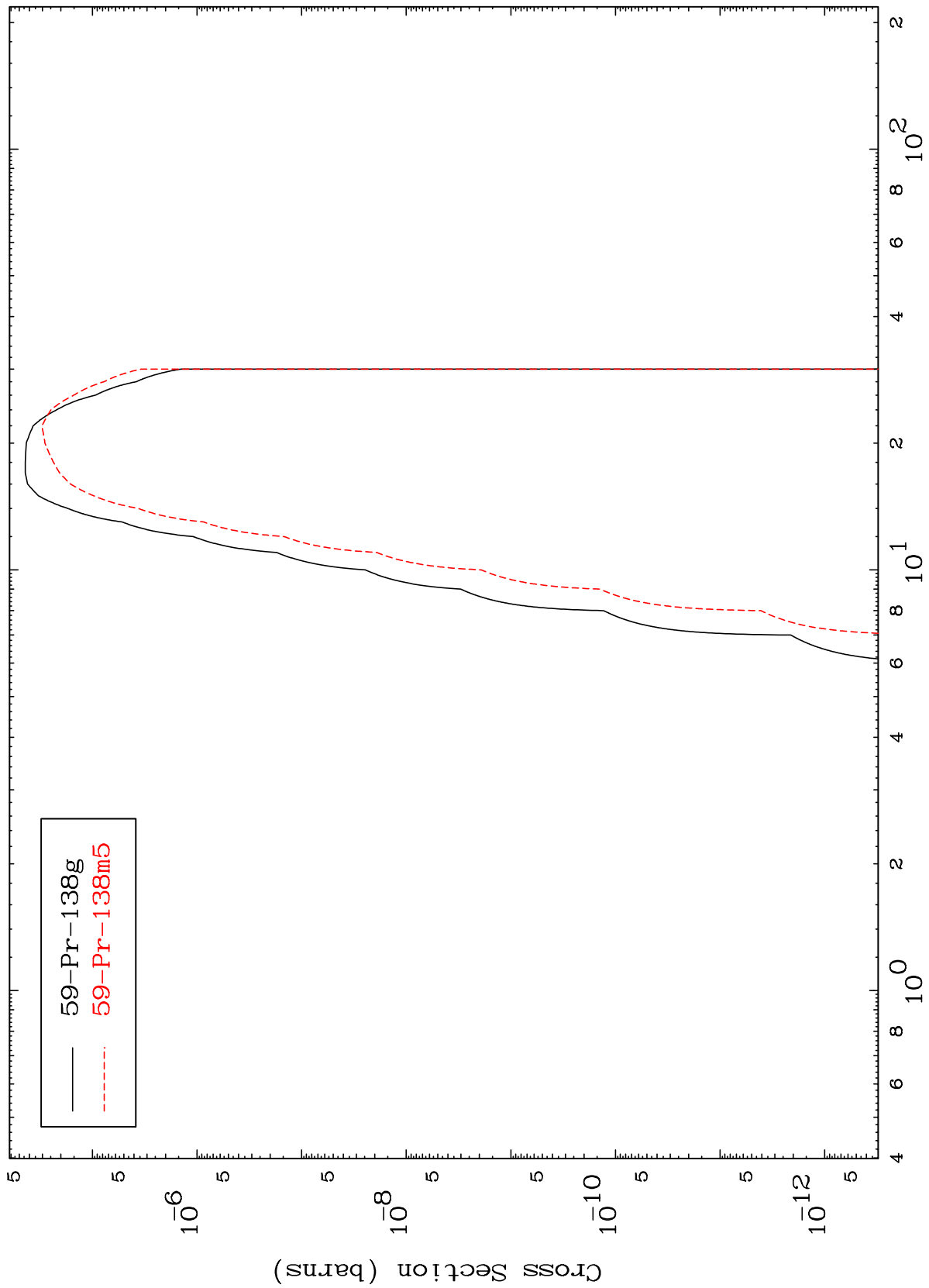
( $\gamma, t$ )  
Radionuclide Production Cross Section



MAT 6134

61-Pm-142

( $\gamma, \alpha$ )  
Radionuclide Production Cross Section



— 59-Pr-138g  
- - - 59-Pr-138m5

17

Incident Energy (MeV)

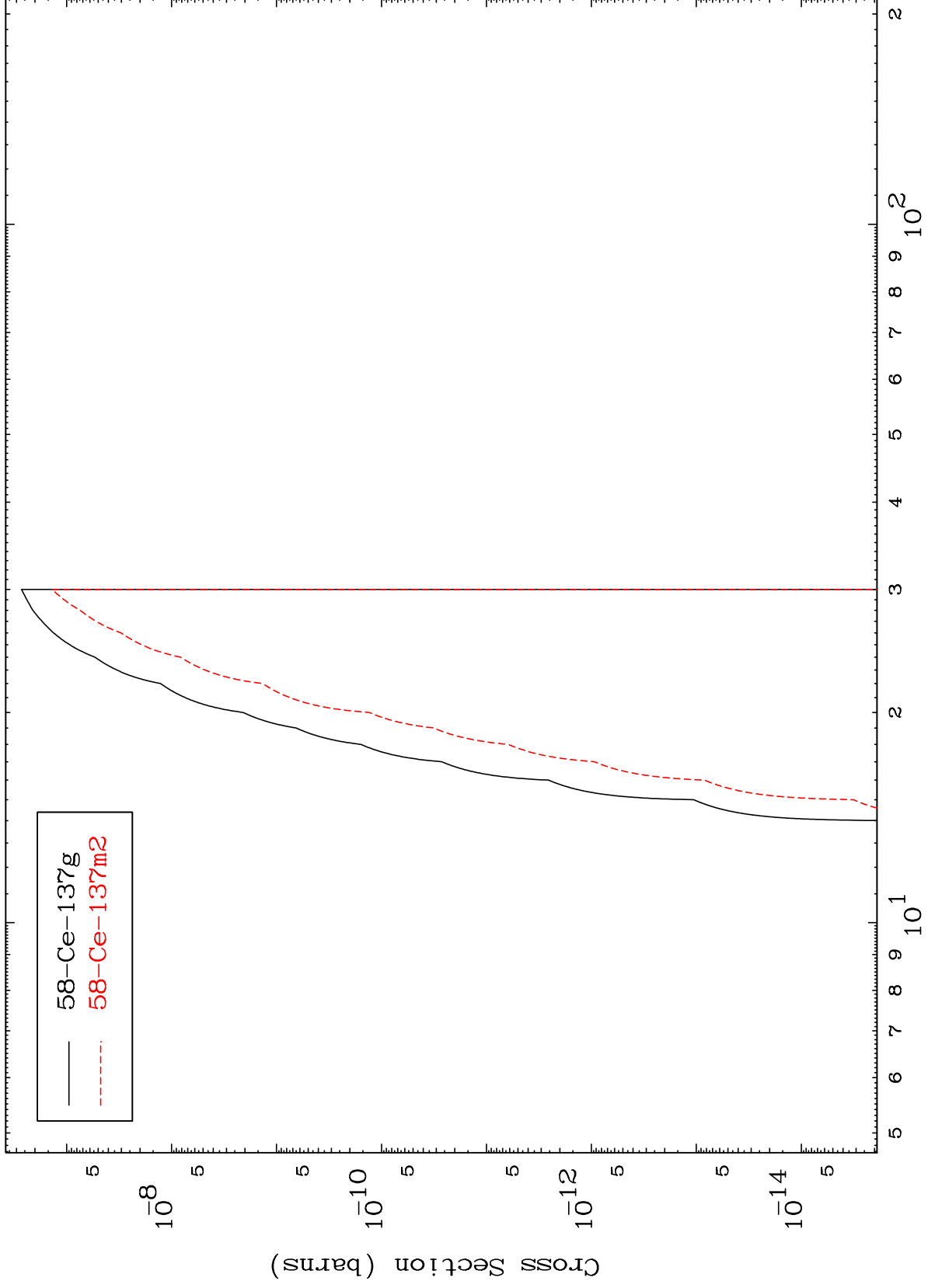
61-Pm-142

MAT 6134

( $\gamma, p$ )  $\alpha$

61-Pm-142

Radionuclide Production Cross Section



18

Incident Energy (MeV)

61-Pm-142