

Program EVALPLOT
(Version 2021-1)

by

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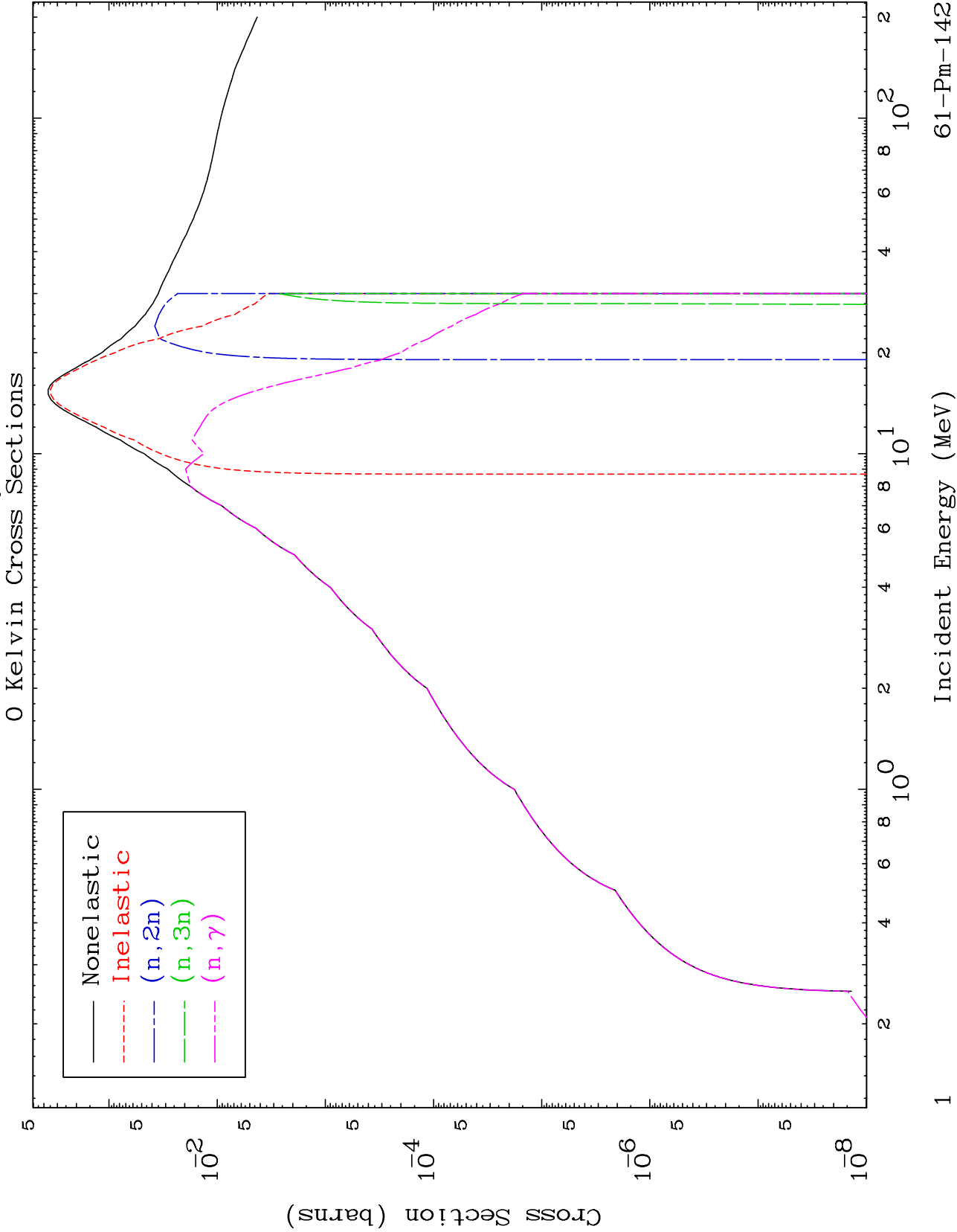
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6134

Photon Major

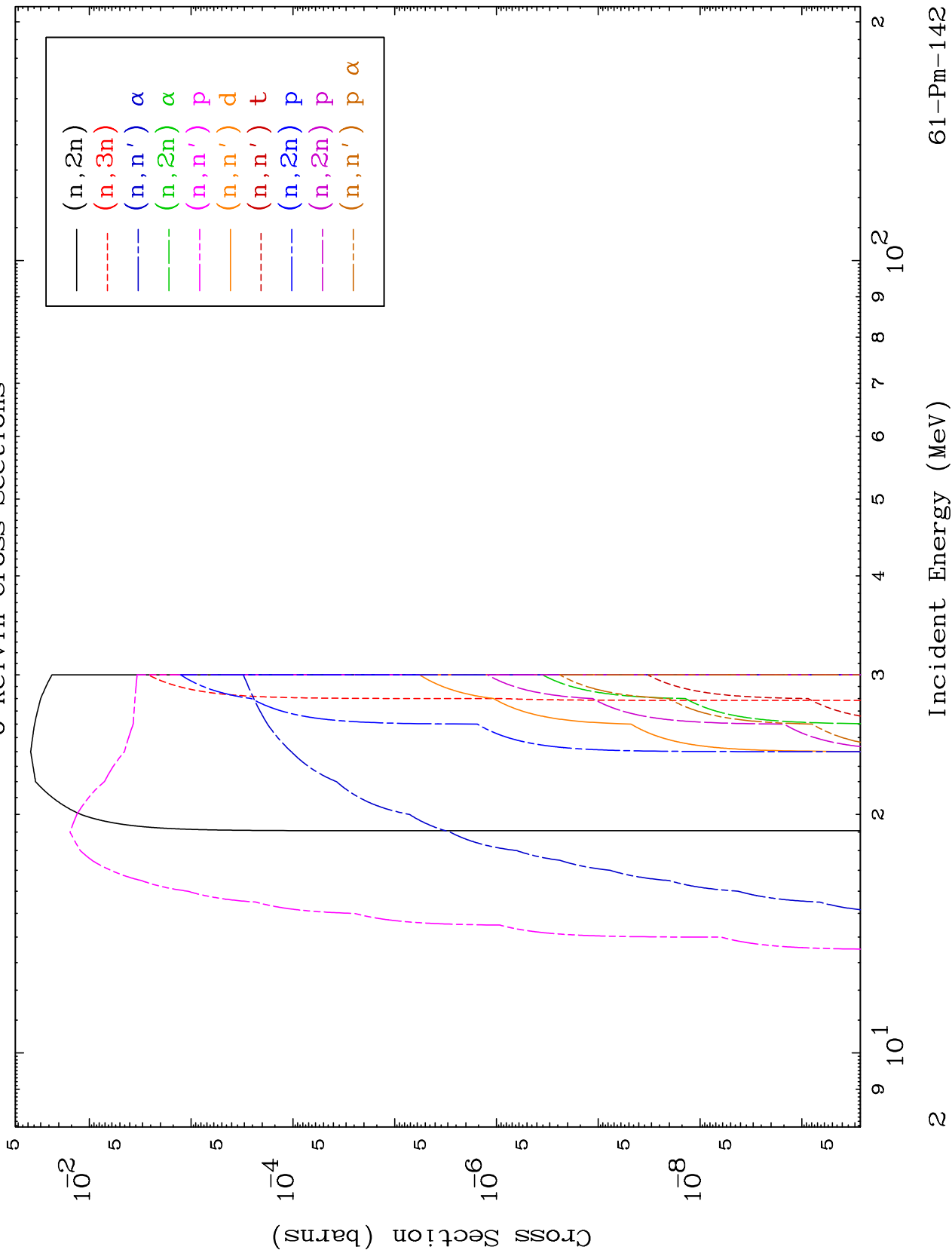
61-Pm-142



MAT 6134

Photon Neutron Absorption
0 Kelvin Cross Sections

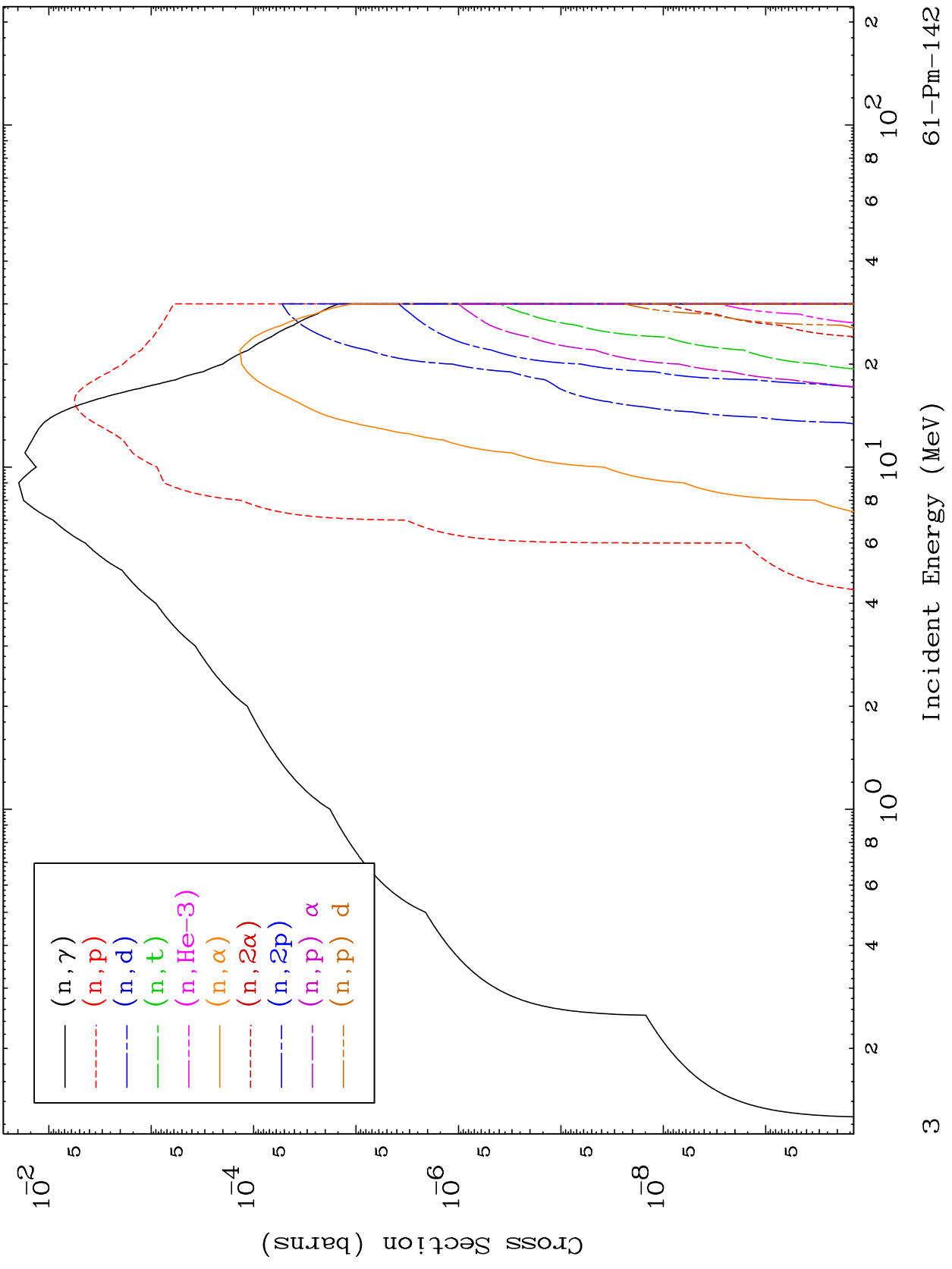
61-Pm-142

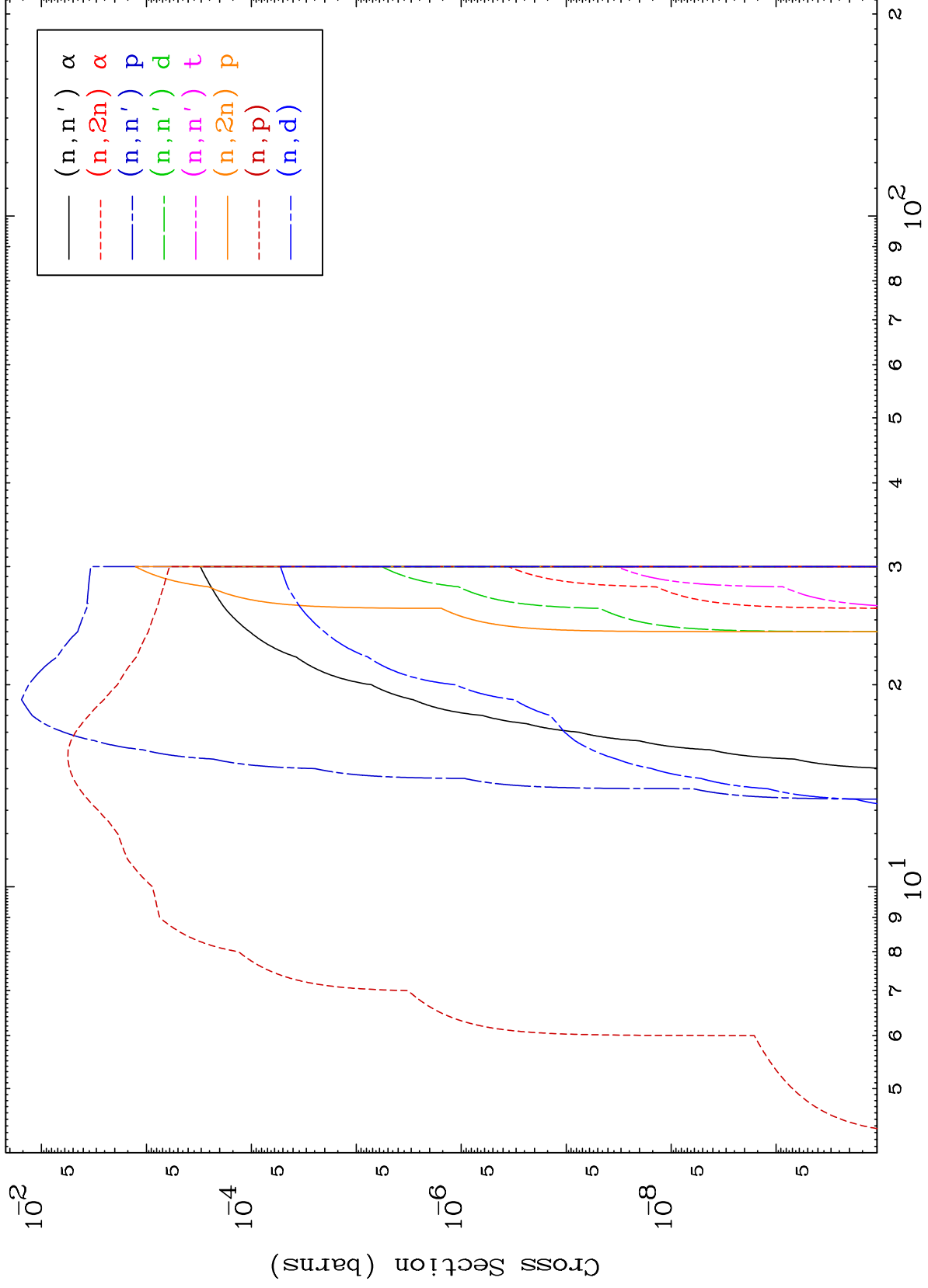


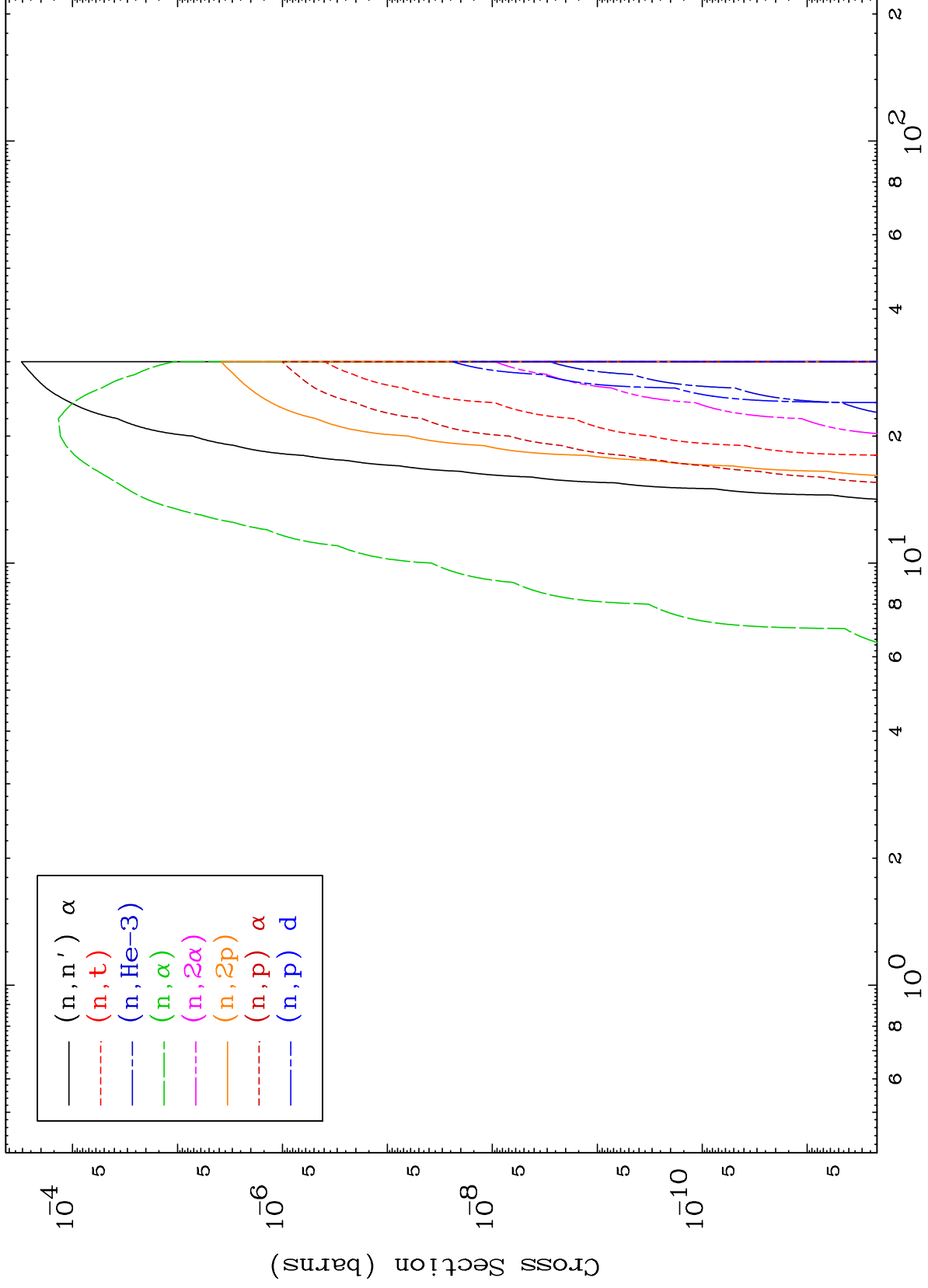
61-Pm-142

Incident Energy (MeV)

2



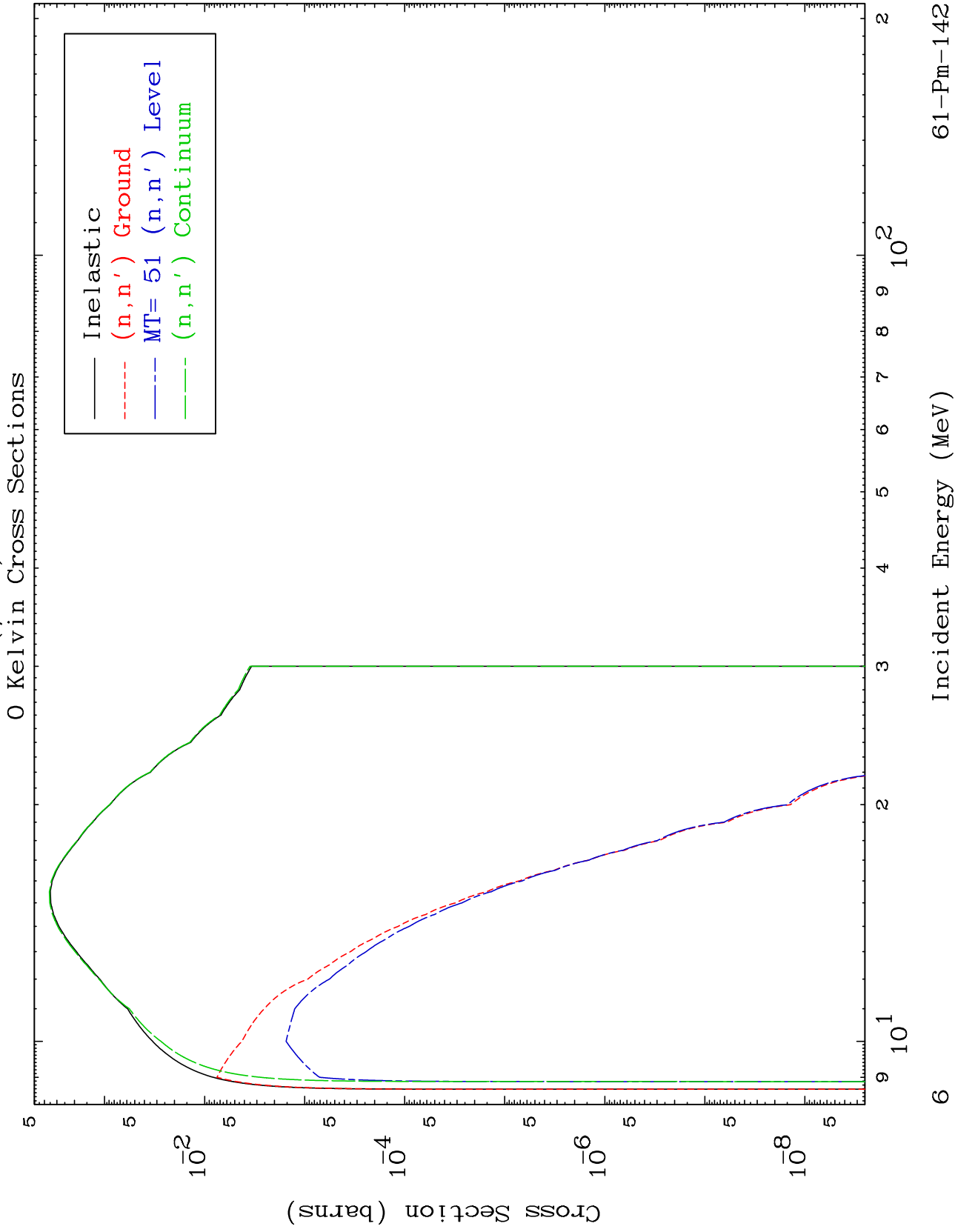




MAT 6134

(γ, n') Levels

61-Pm-142

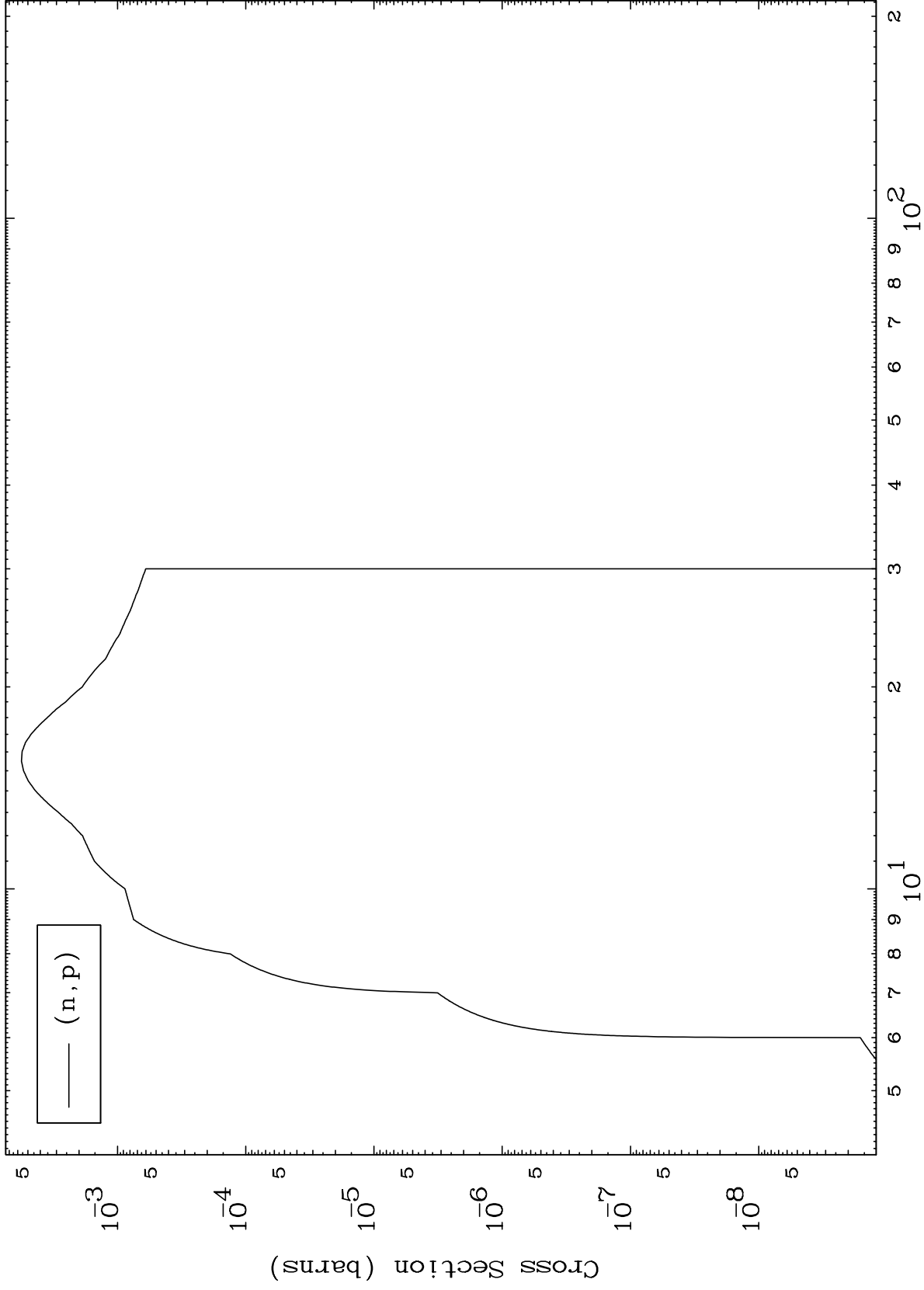


61-Pm-142

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(γ, p) Levels
0 Kelvin Cross Sections

61-Pm-142



7

Incident Energy (MeV)

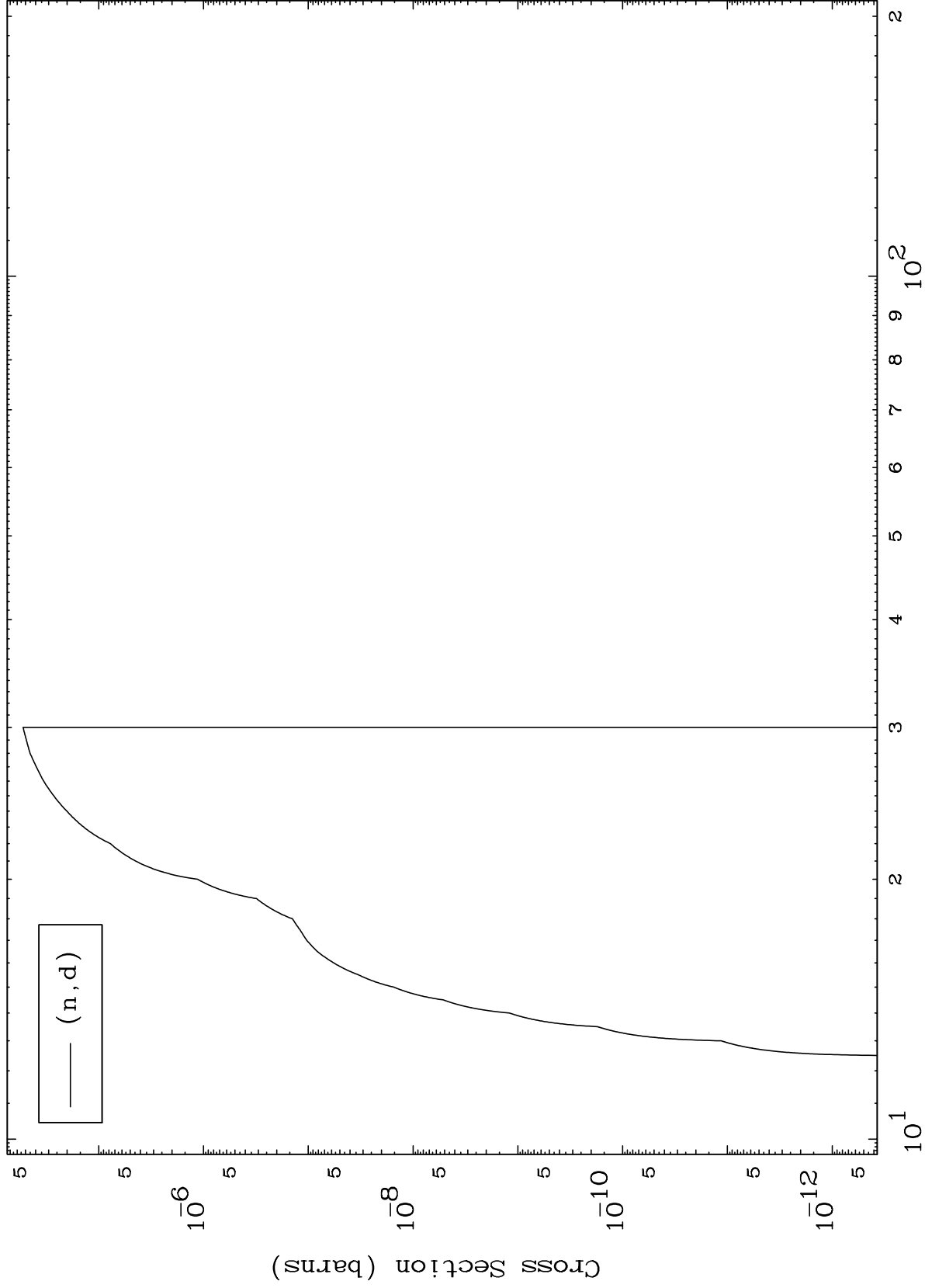
61-Pm-142

MAT 6134

(γ, d) Levels

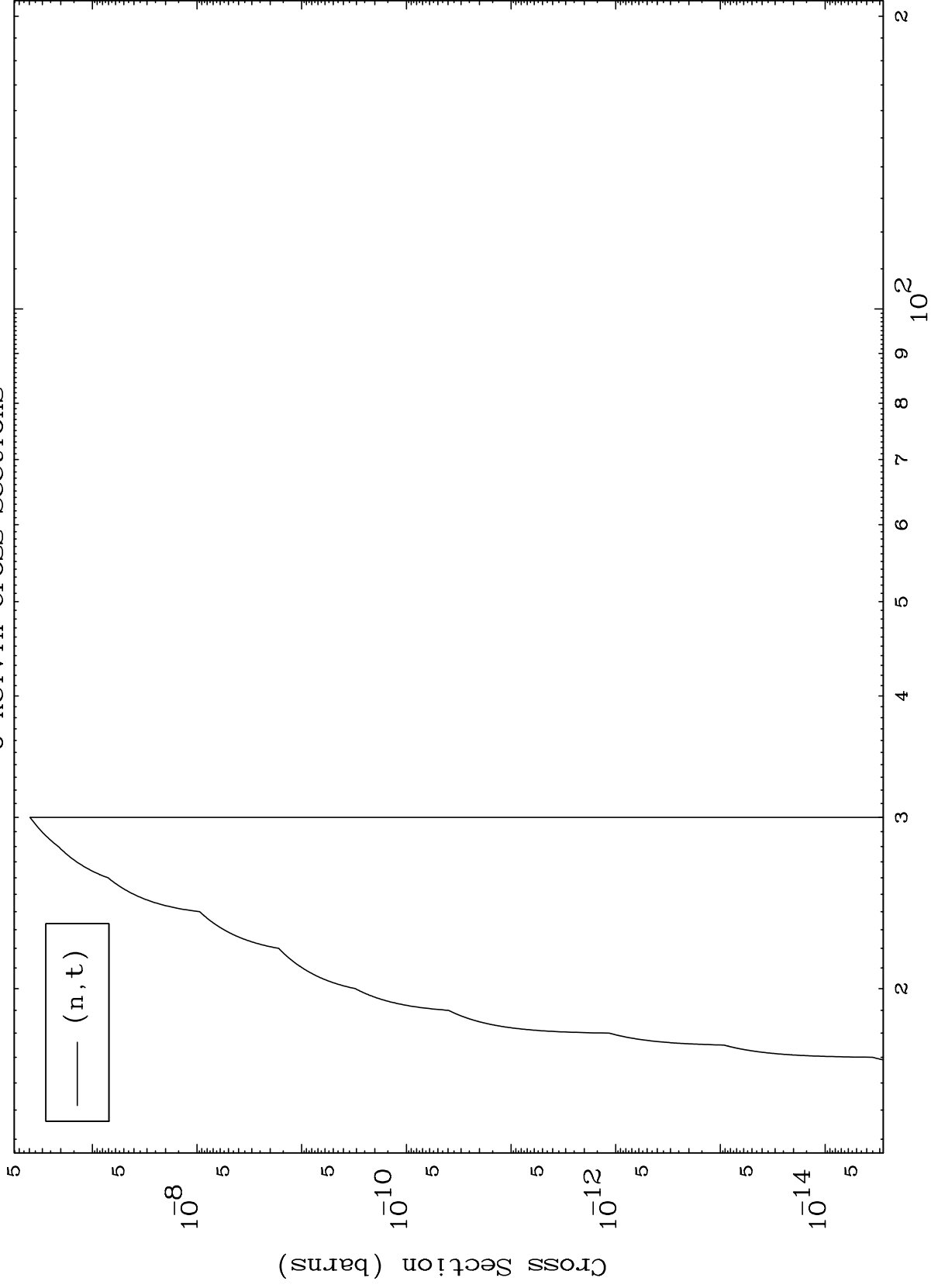
61-Pm-142

0 Kelvin Cross Sections



Incident Energy (MeV)

61-Pm-142

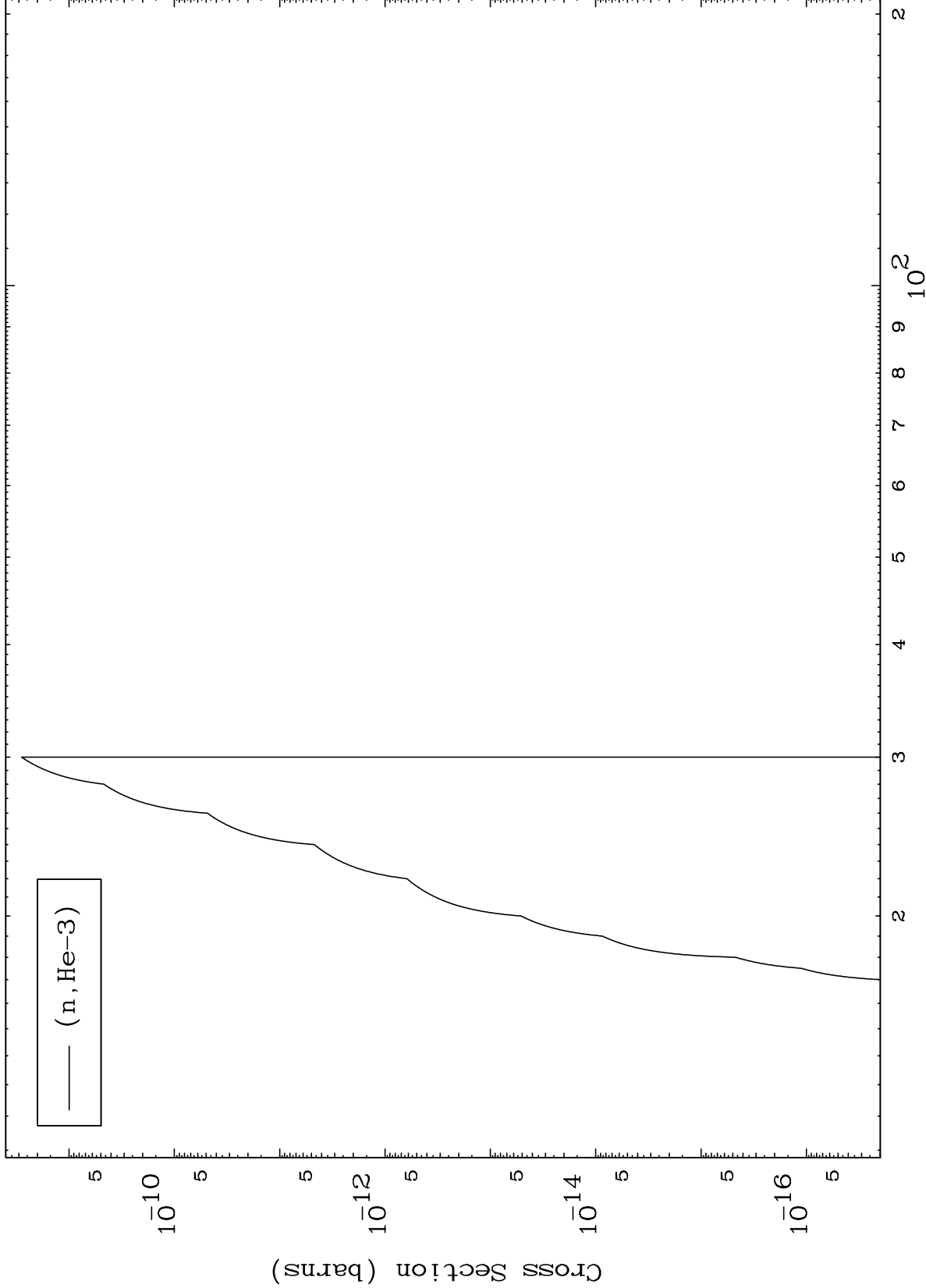


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($\gamma, \text{He}3$) Levels

61-Pm-142

0 Kelvin Cross Sections



(n, He-3)

10

Incident Energy (MeV)

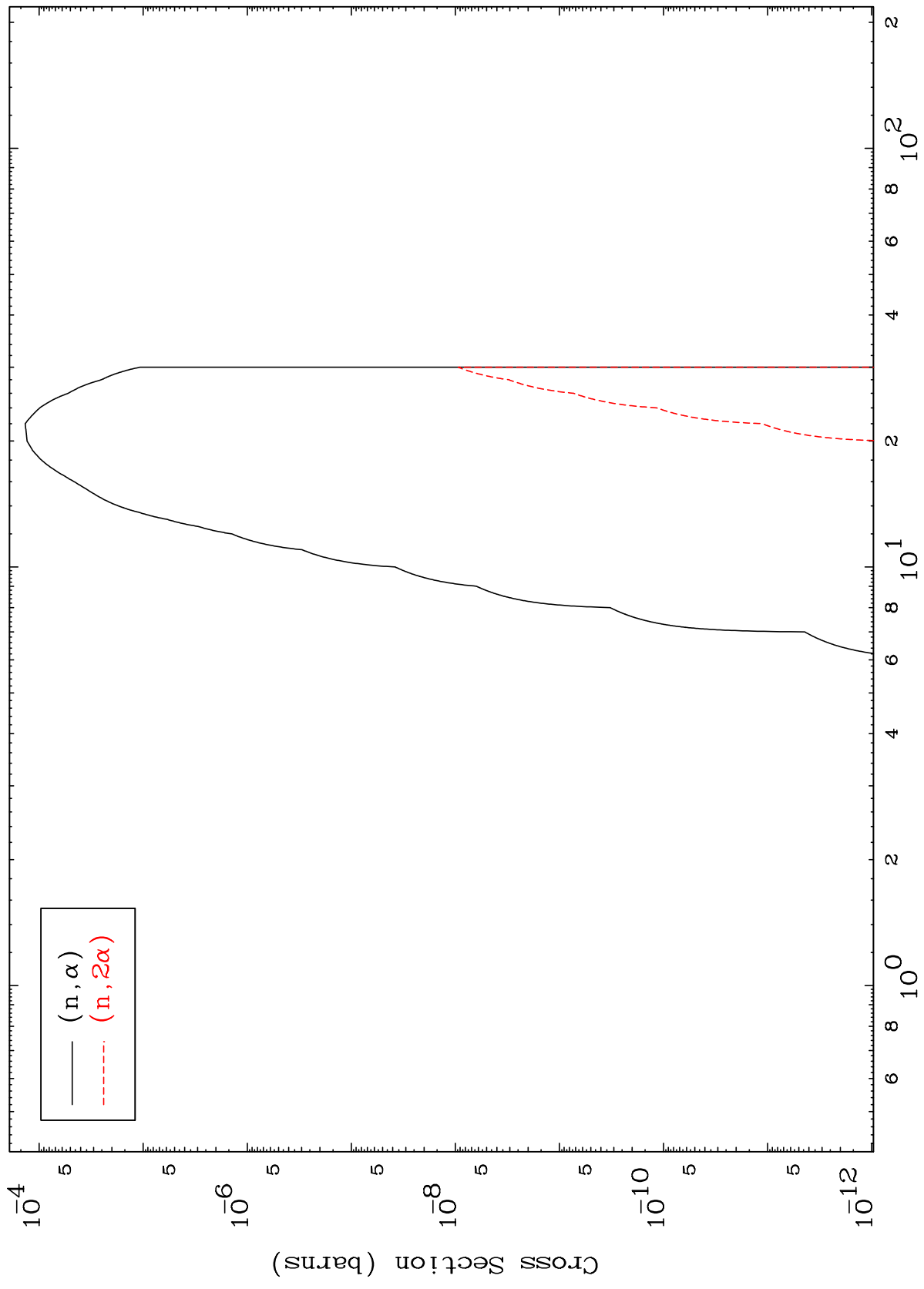
61-Pm-142

MAT 6134

(γ, α) Levels

61-Pm-142

0 Kelvin Cross Sections



— (n, α)
- - - (n, 2α)

Incident Energy (MeV)

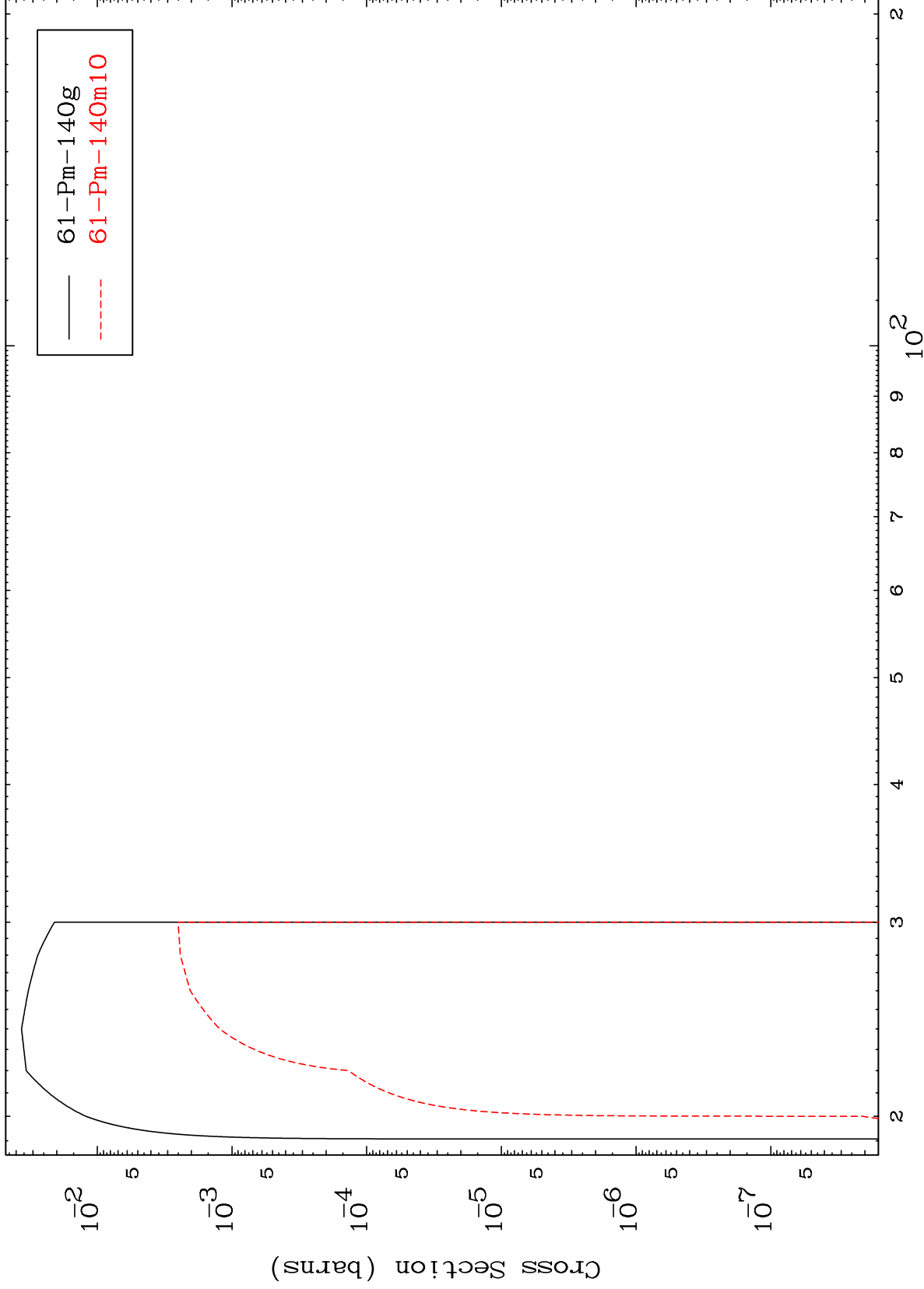
61-Pm-142

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(n,2n)

61-Pm-142

Radionuclide Production Cross Section



12

Incident Energy (MeV)

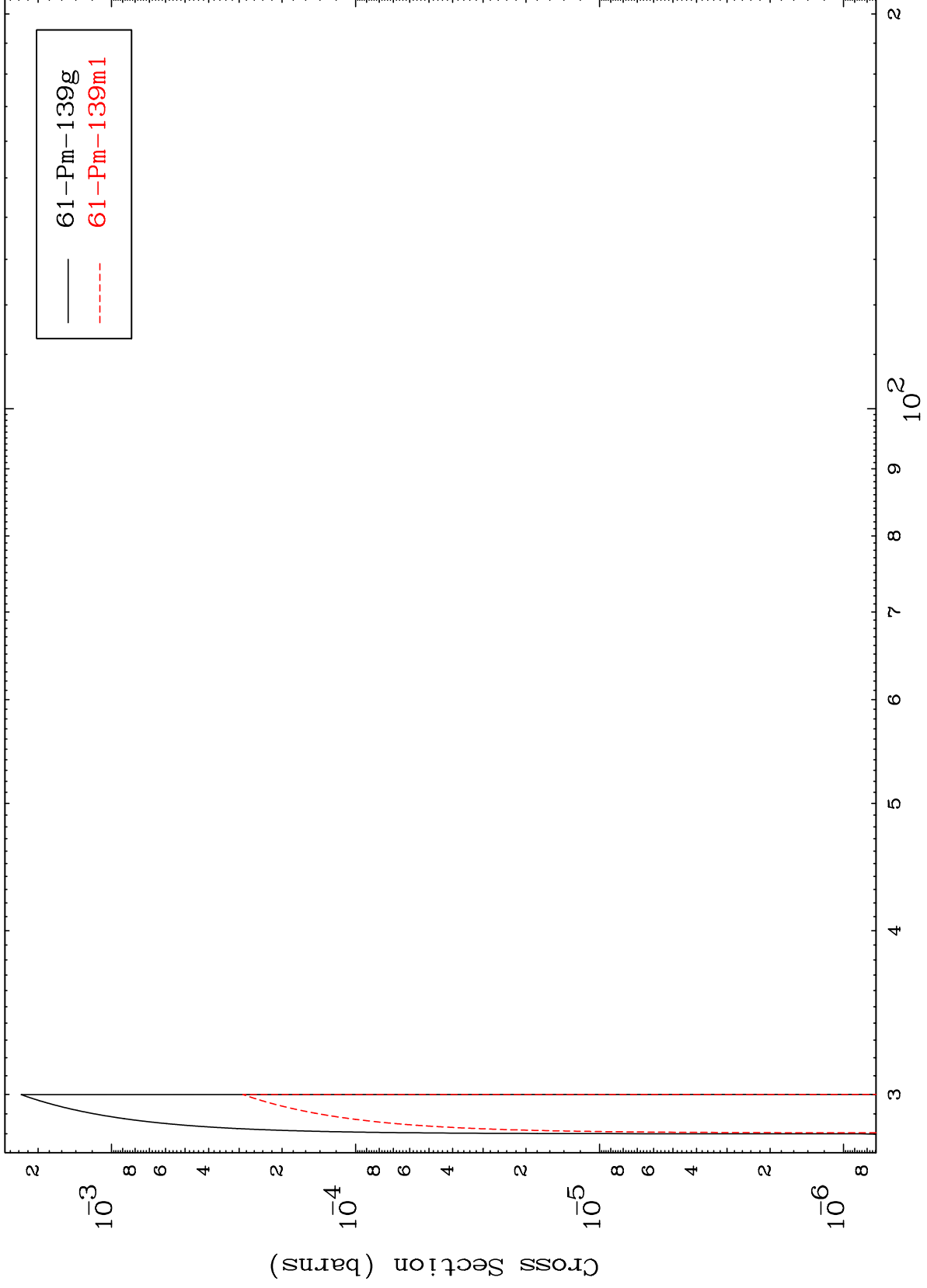
61-Pm-142

MAT 6134

(n,3n)

61-Pm-142

Radionuclide Production Cross Section



13

Incident Energy (MeV)

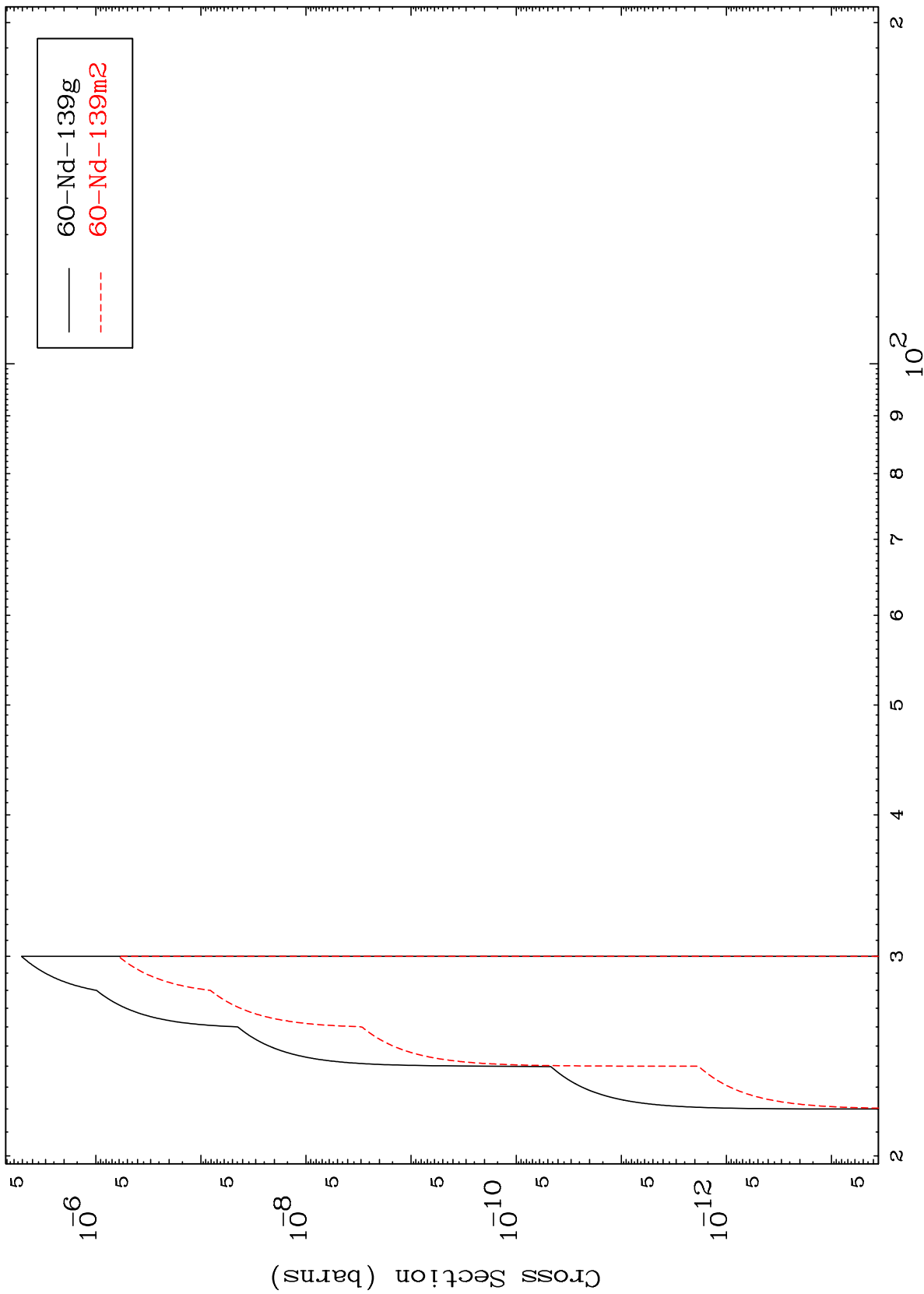
61-Pm-142

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(n,n') d

61-Pm-142

Radionuclide Production Cross Section

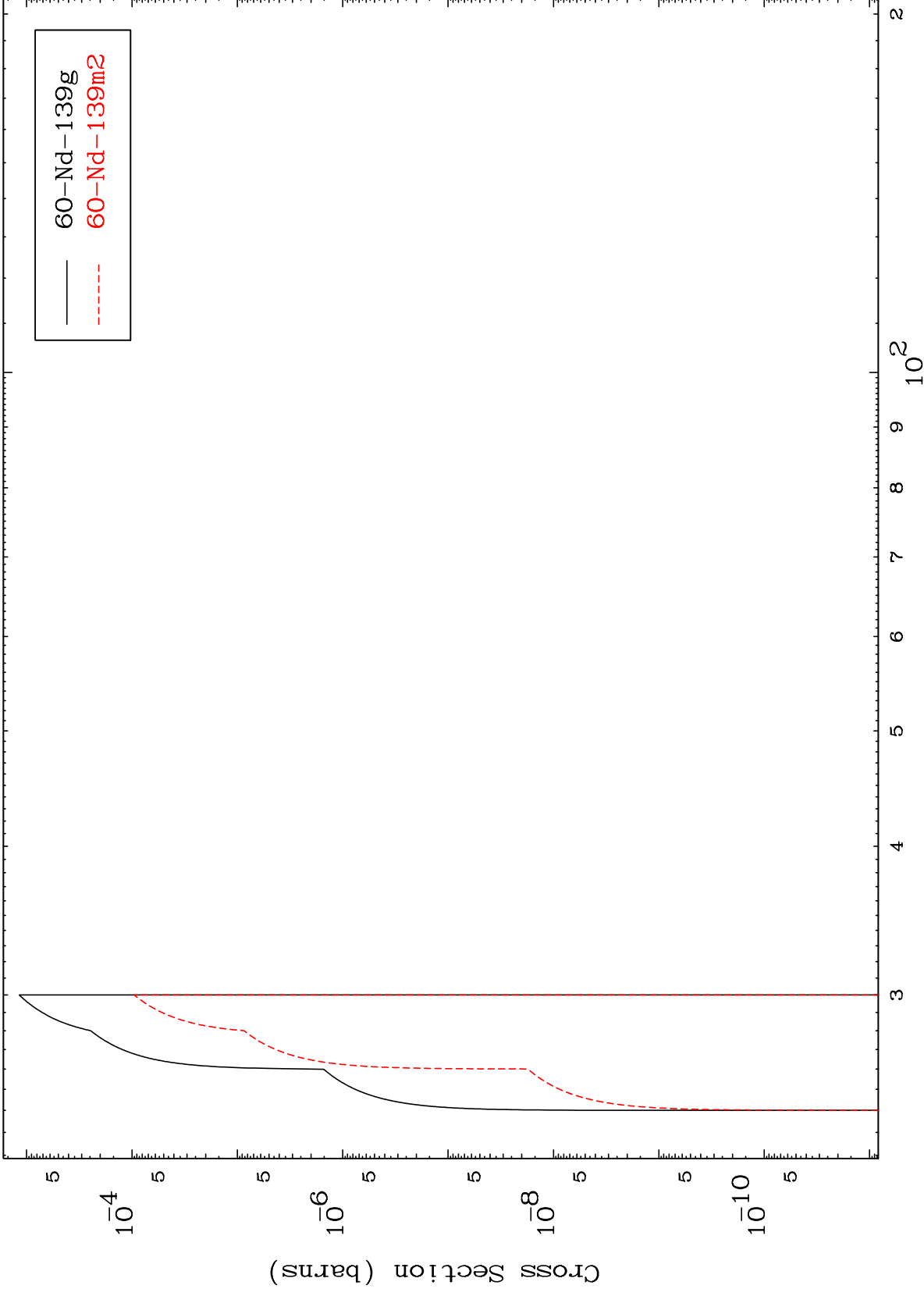


61-Pm-142

Incident Energy (MeV)

14

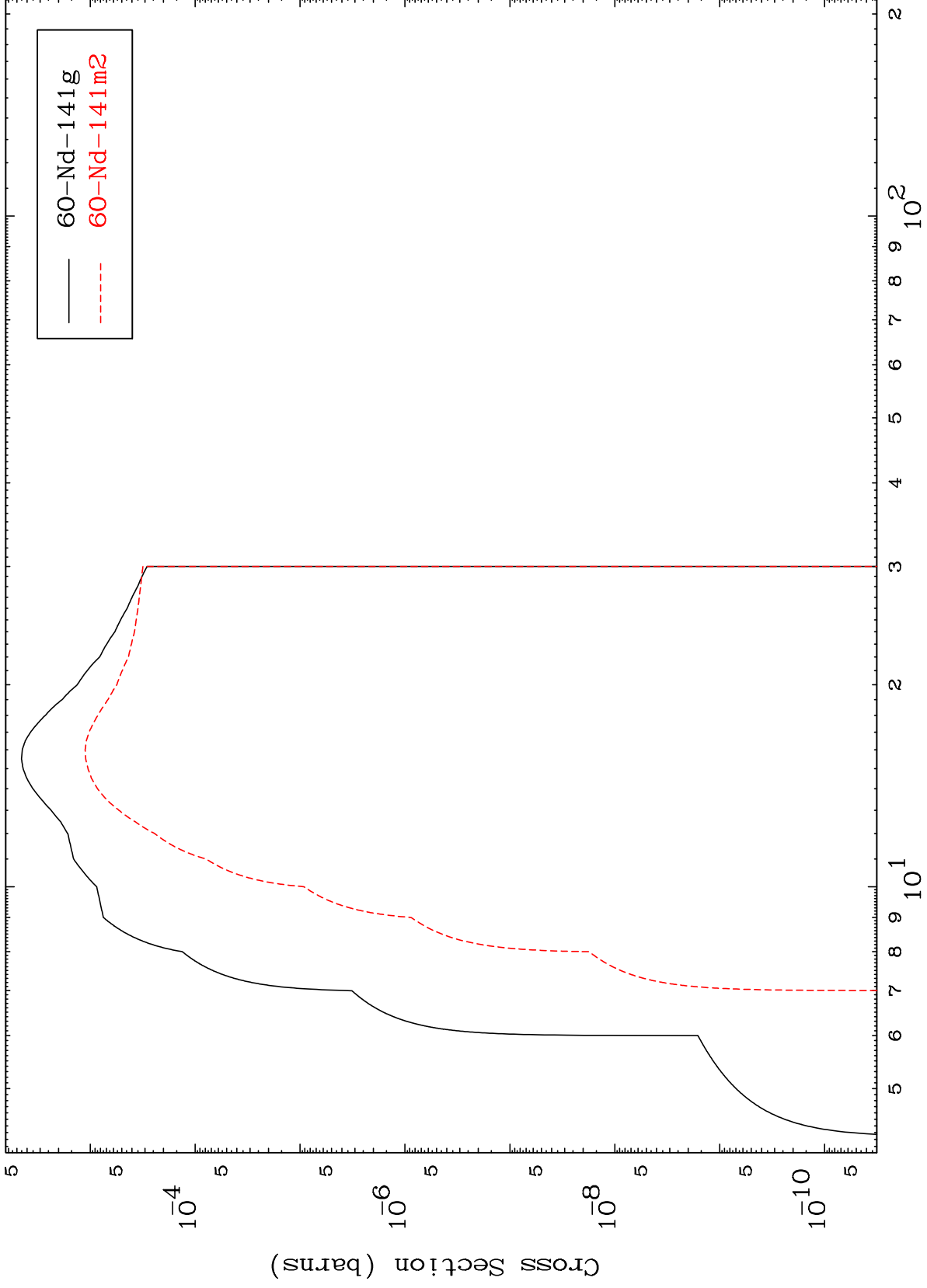
Radionuclide Production Cross Section



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61-Pm-142

(n,p)
Radionuclide Production Cross Section

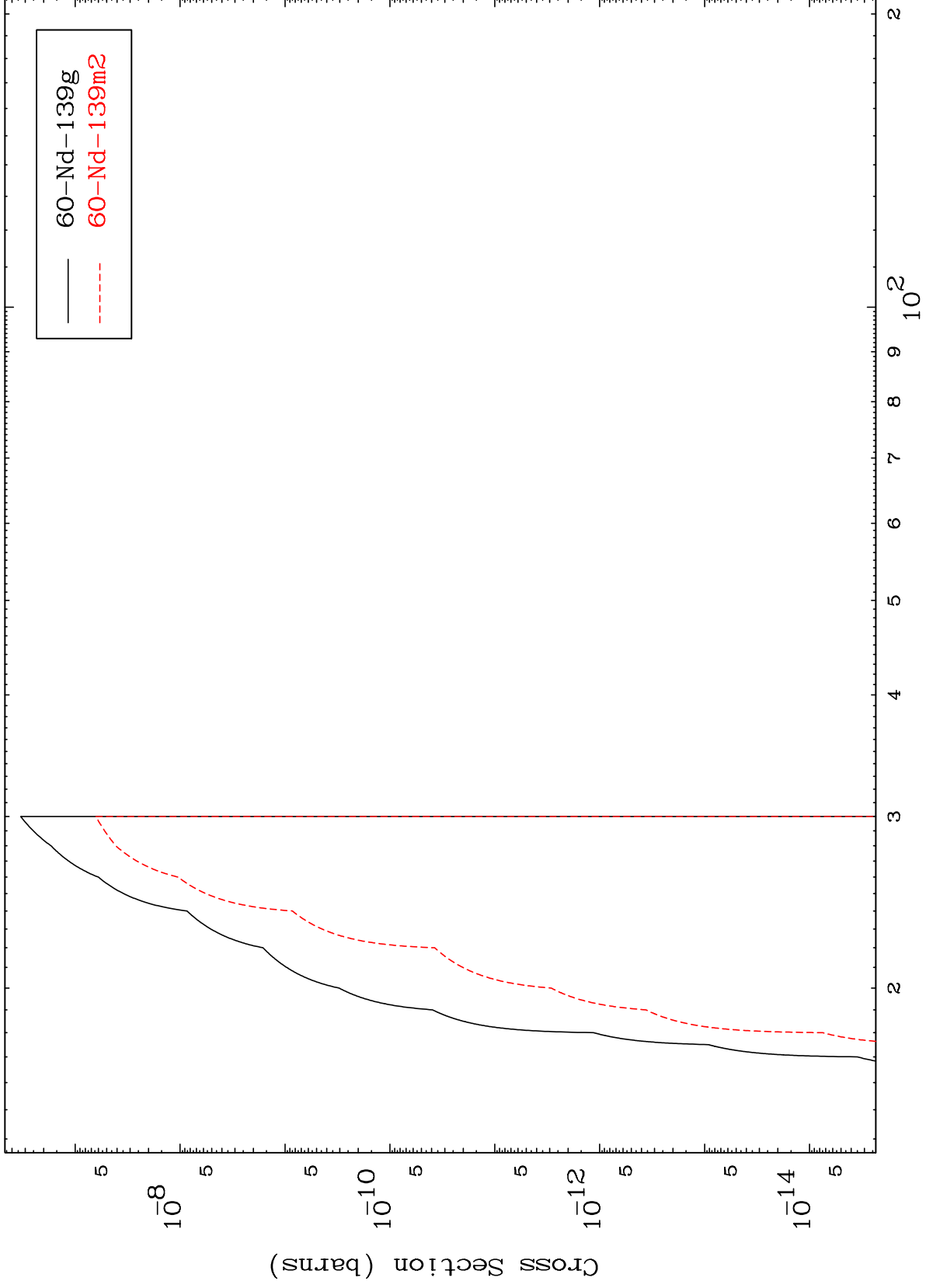


16

Incident Energy (MeV)

61-Pm-142

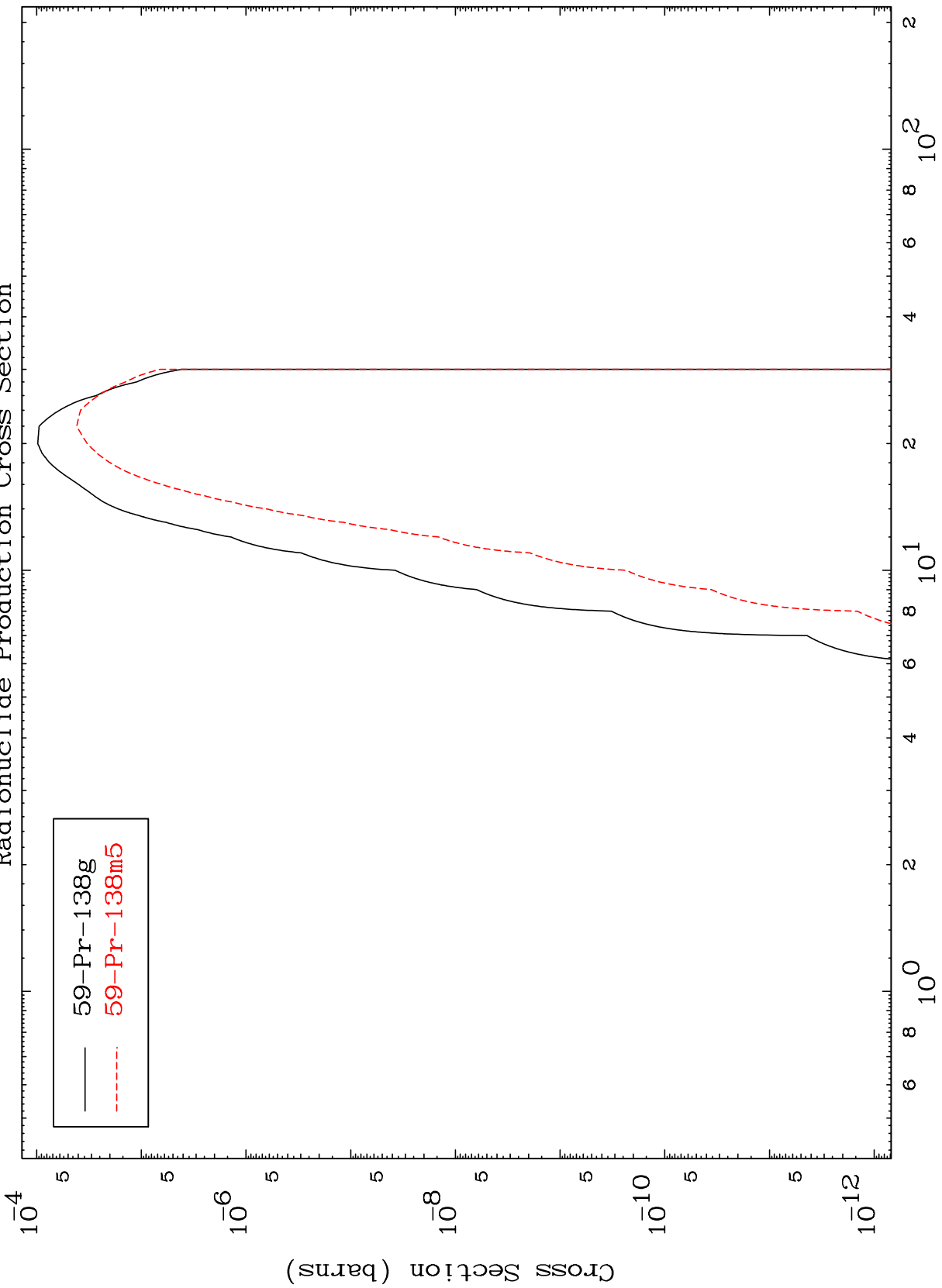
Radionuclide Production Cross Section



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61-Pm-142

Radionuclide Production Cross Section



— 59-Pr-138g
- - - 59-Pr-138m5

18

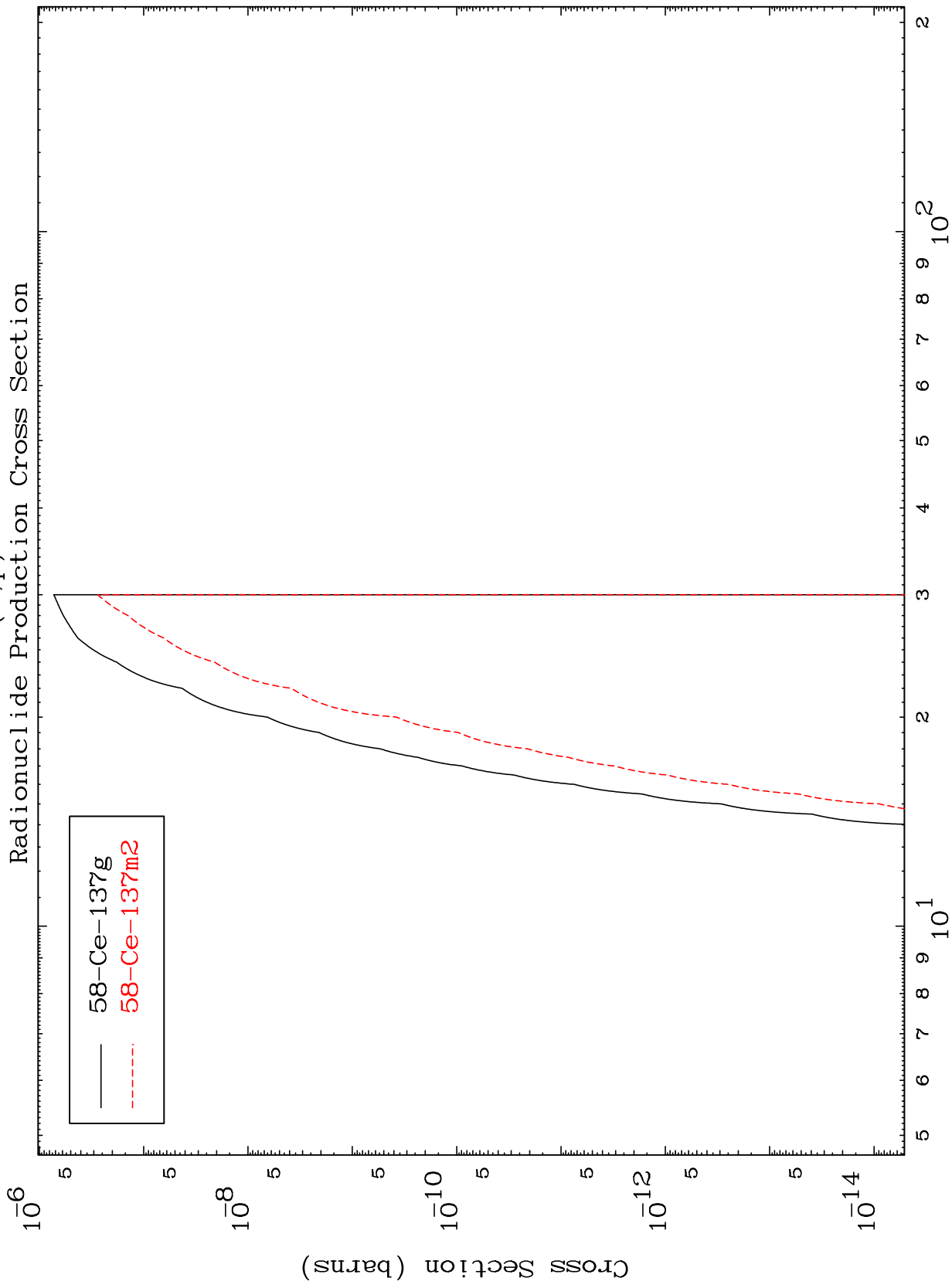
Incident Energy (MeV)

61-Pm-142

MAT 6134

(n,p) α

61-Pm-142



19

61-Pm-142

61-Pm-142