

Program EVALPLOT
(Version 2021-1)

by

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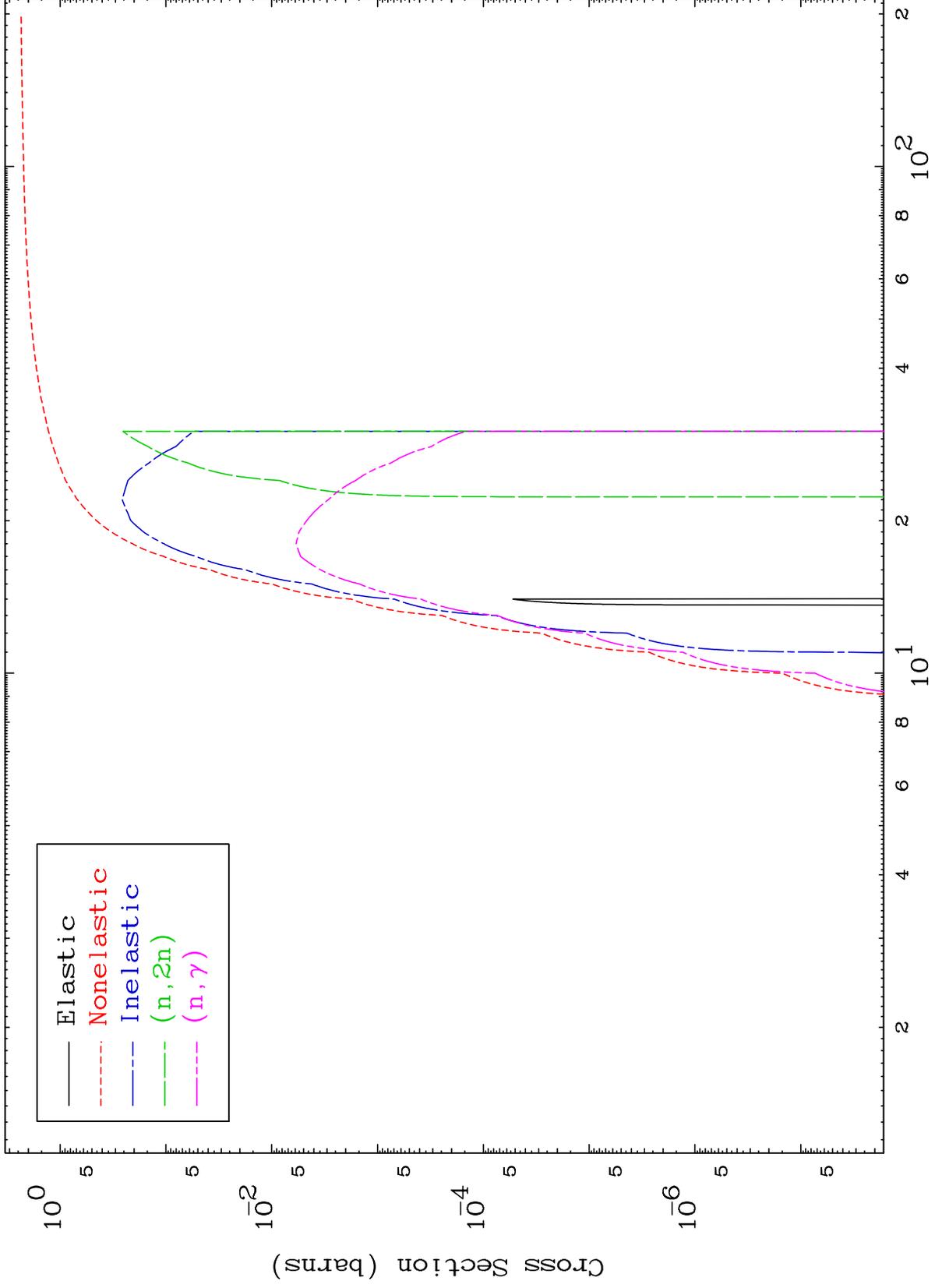
Press Mouse Button to Start

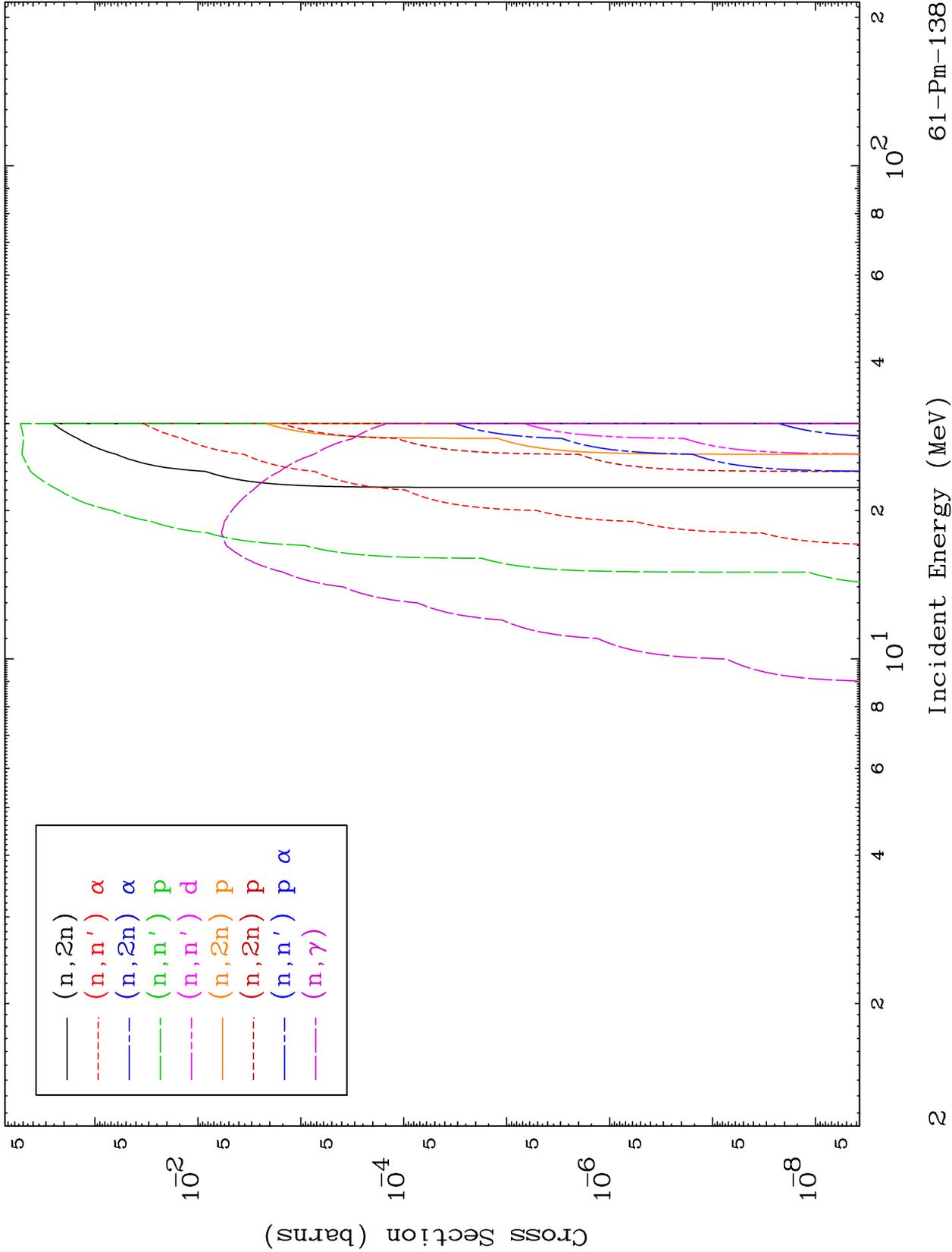
MAT 6122

0 Kelvin Cross Sections

α Major

61-Pm-138

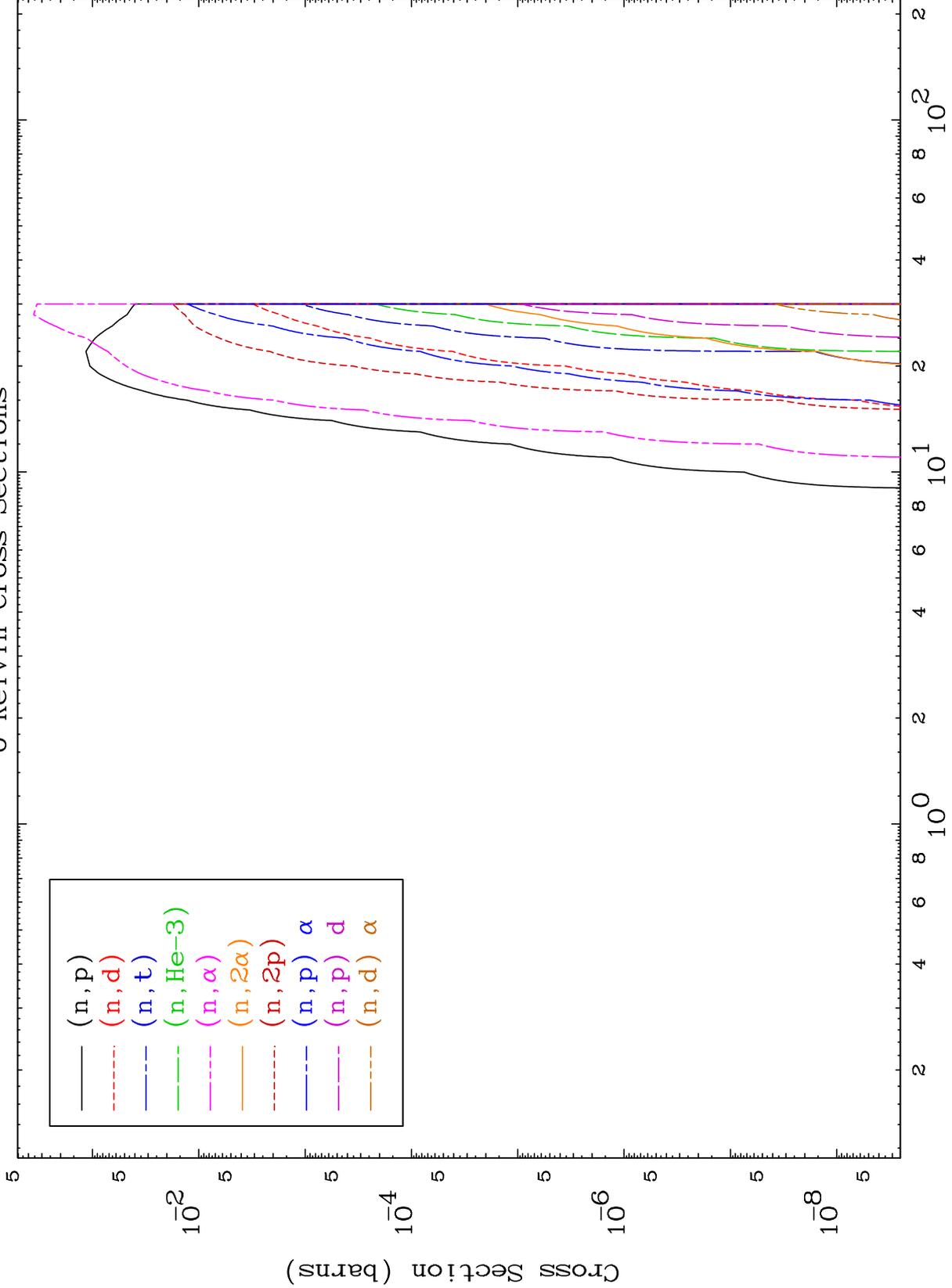




MAT 6122

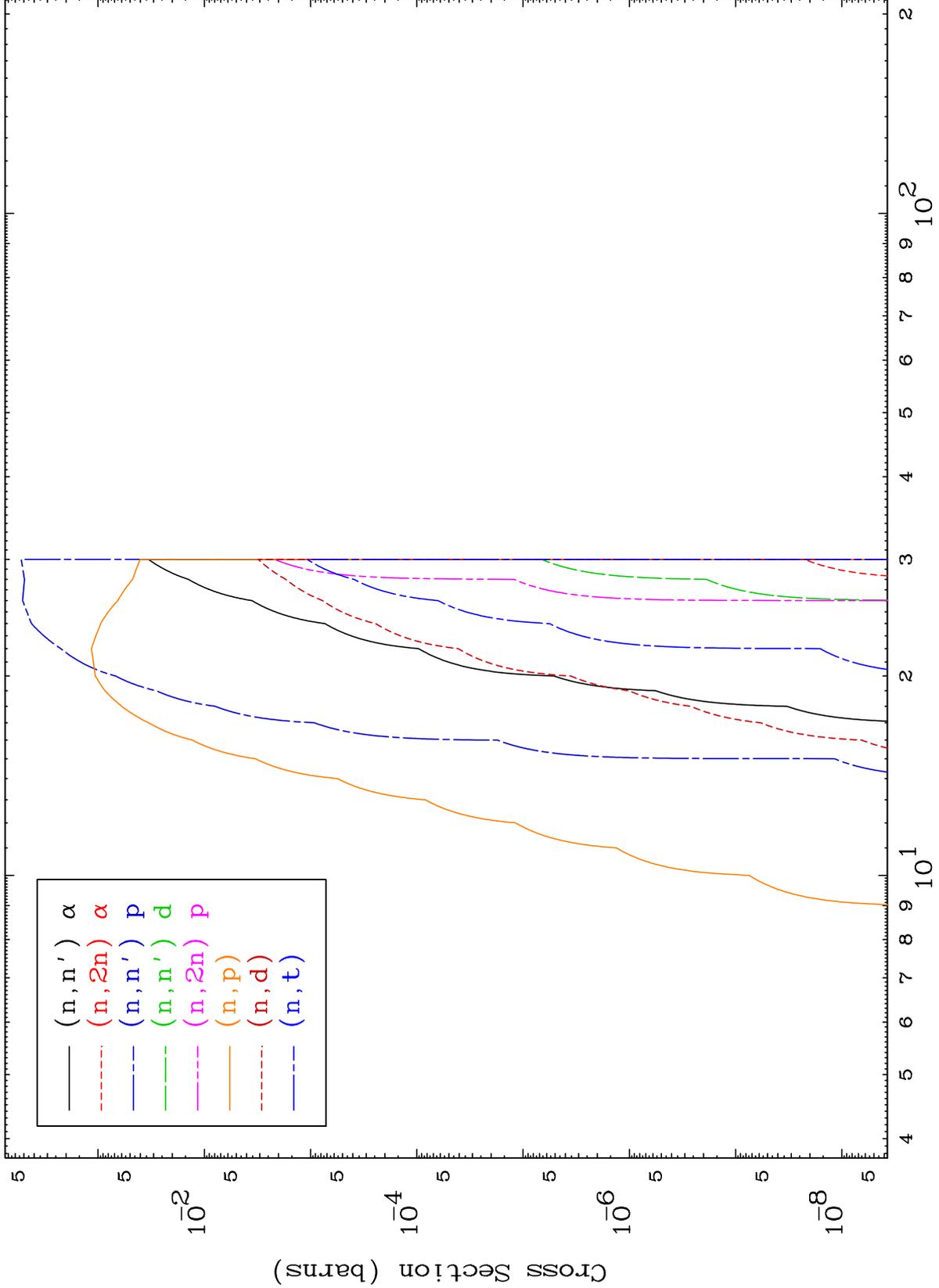
α Neutron Absorption
0 Kelvin Cross Sections

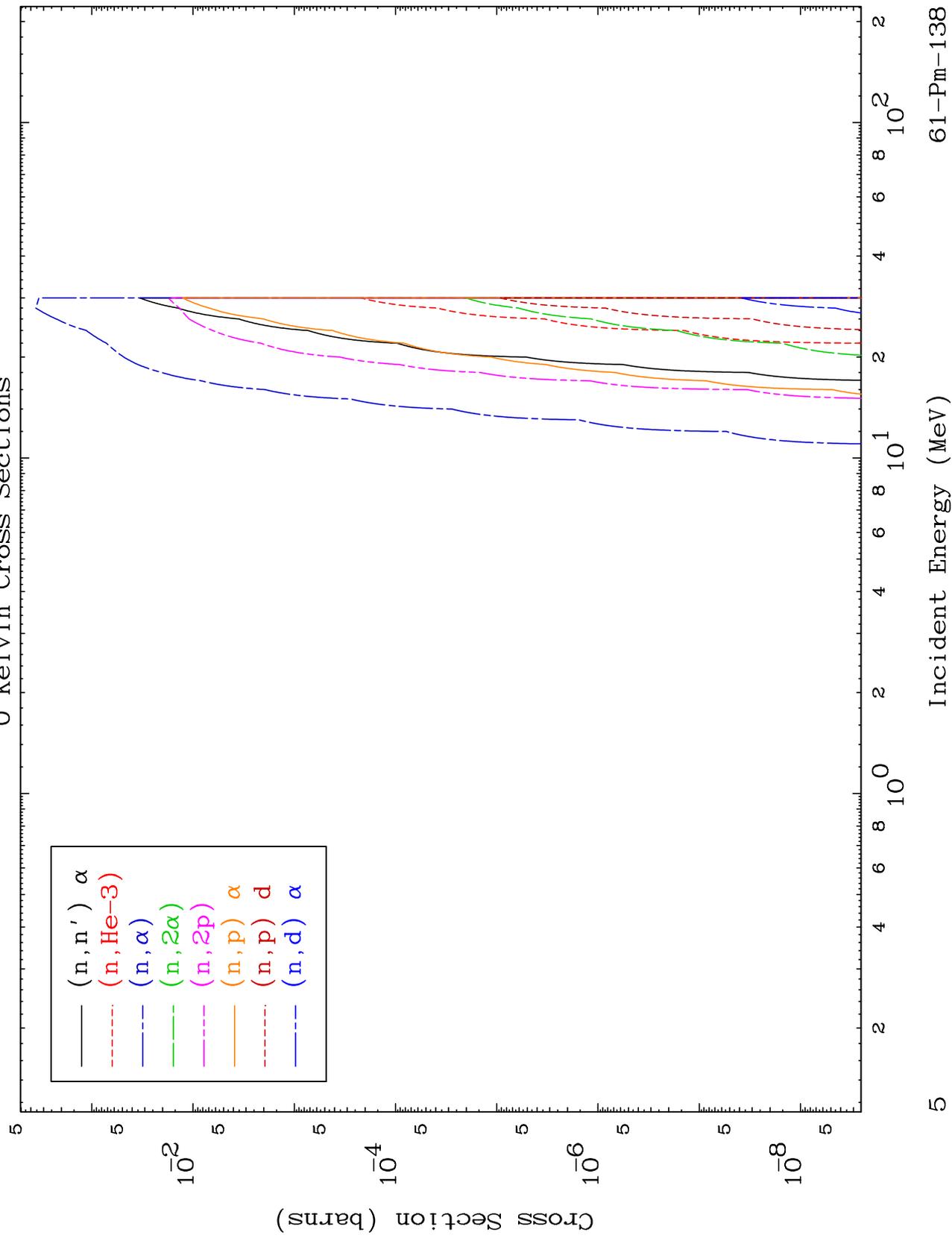
61-Pm-138



Incident Energy (MeV)

61-Pm-138

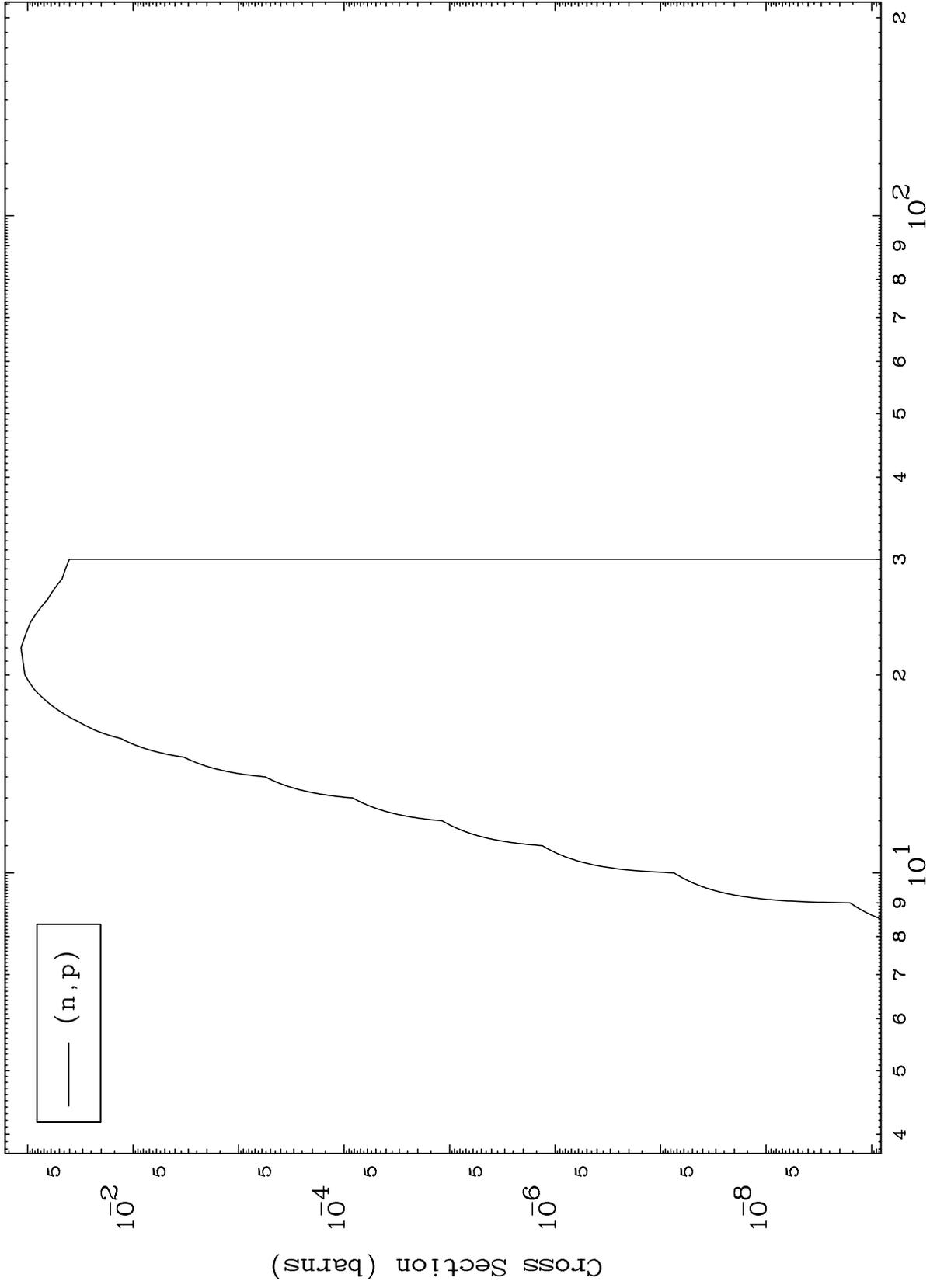




MAT 6122

61-Pm-138

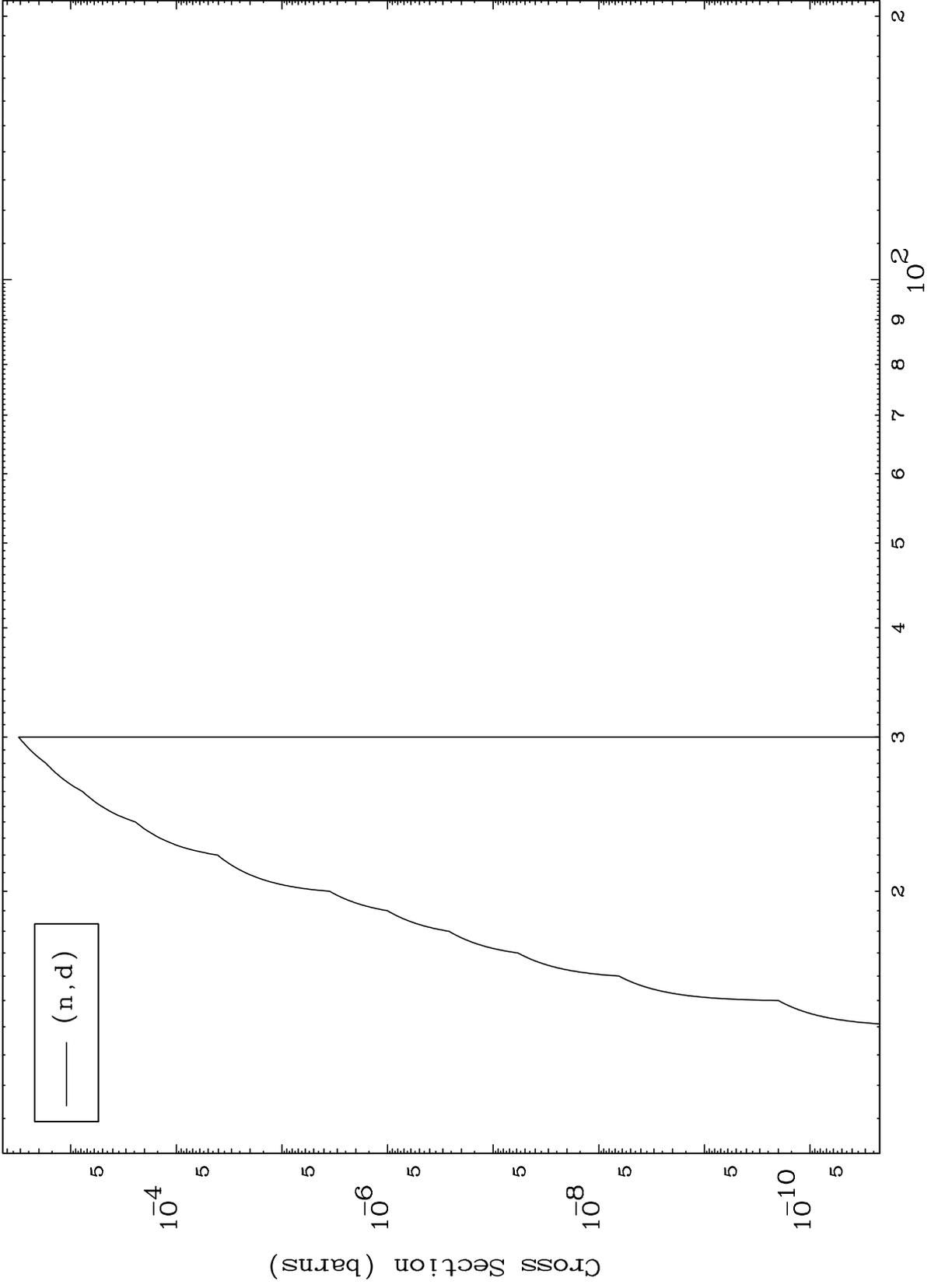
(α, p) Levels
0 Kelvin Cross Sections

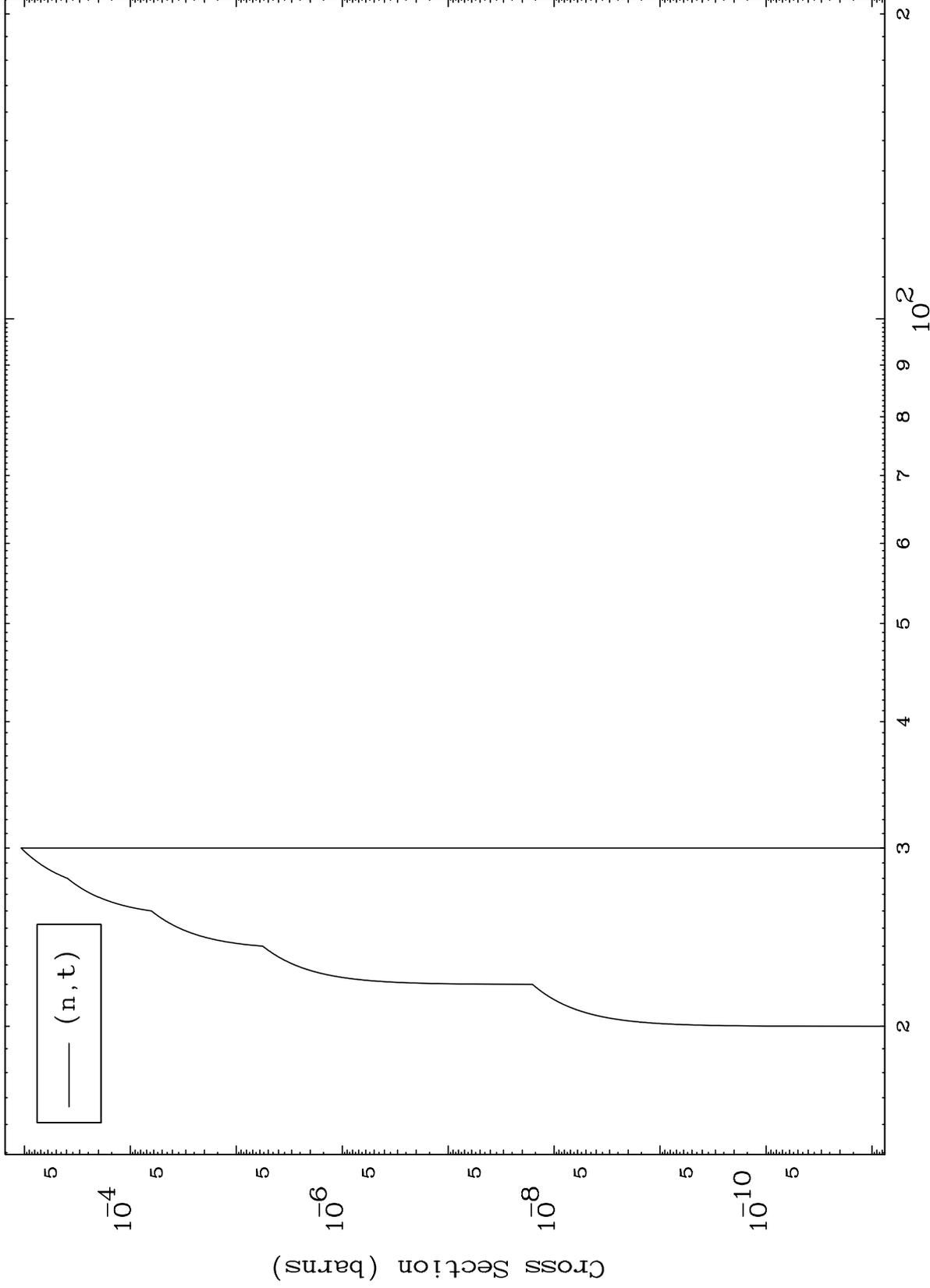


61-Pm-138

Incident Energy (MeV)

6

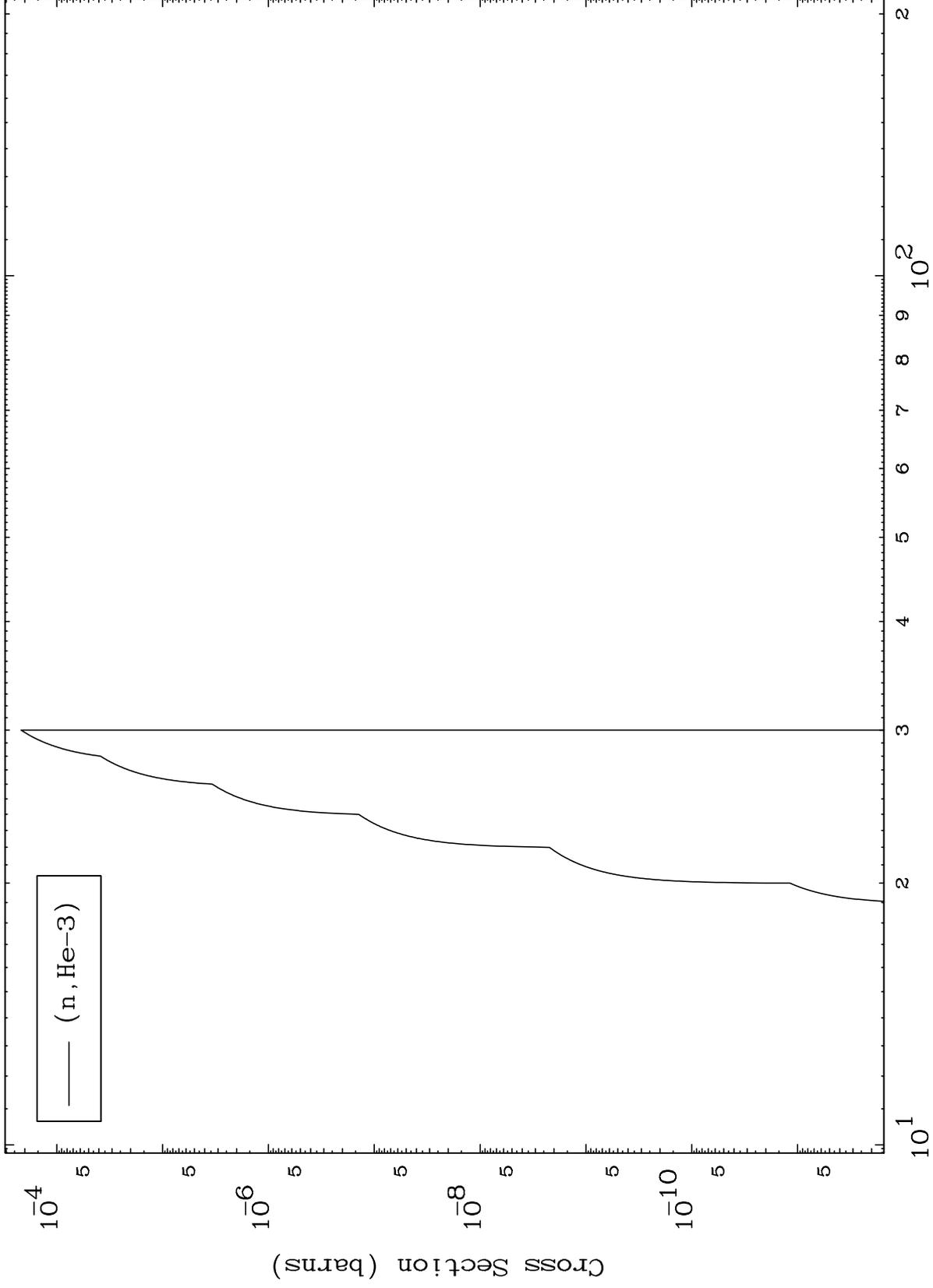




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($\alpha, \text{He3}$) Levels
0 Kelvin Cross Sections

61-Pm-138



Incident Energy (MeV)

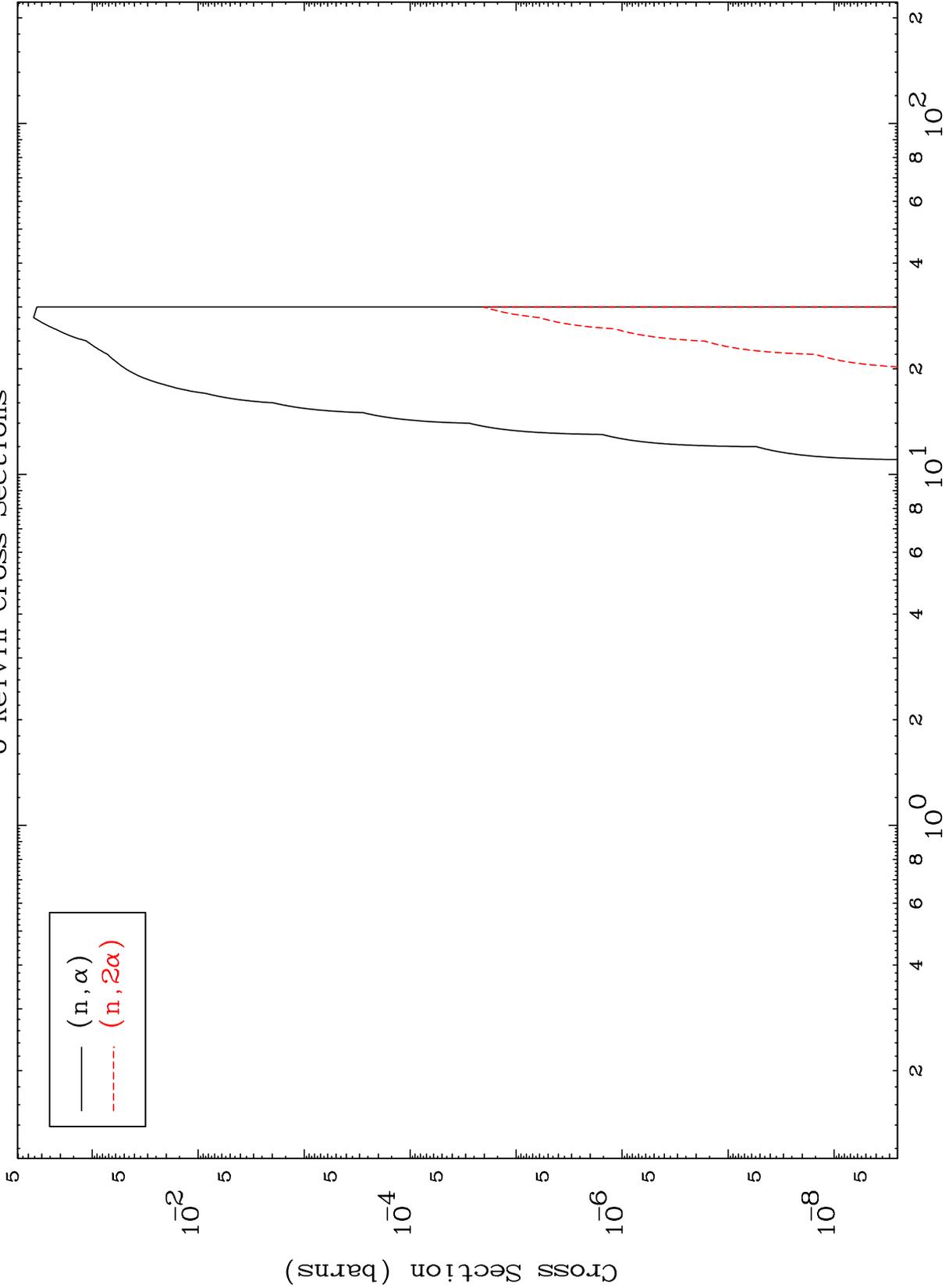
61-Pm-138

MAT 6122

(α, α) Levels

61-Pm-138

0 Kelvin Cross Sections

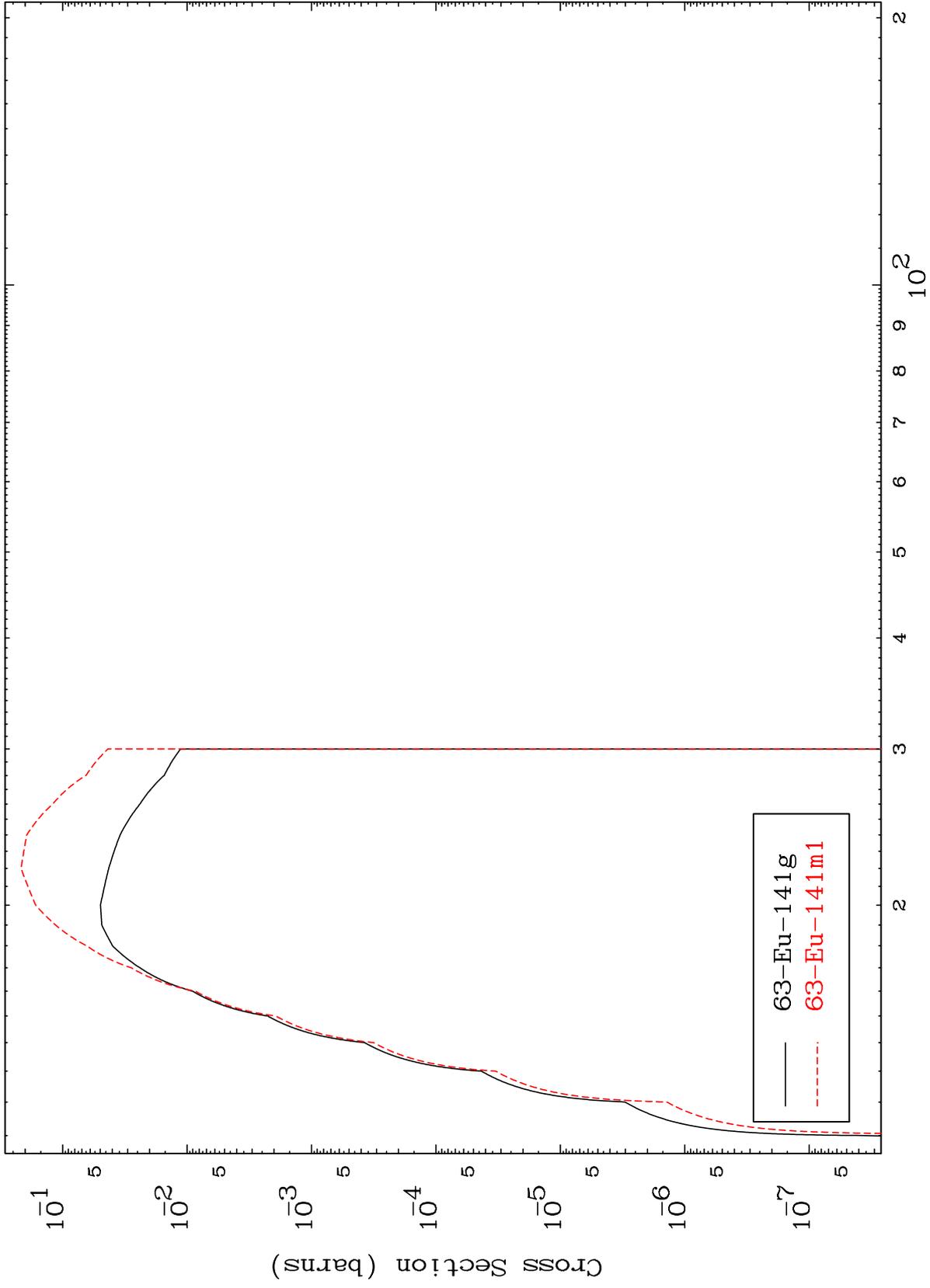


10

Incident Energy (MeV)

61-Pm-138

Inelastic
Radionuclide Production Cross Section

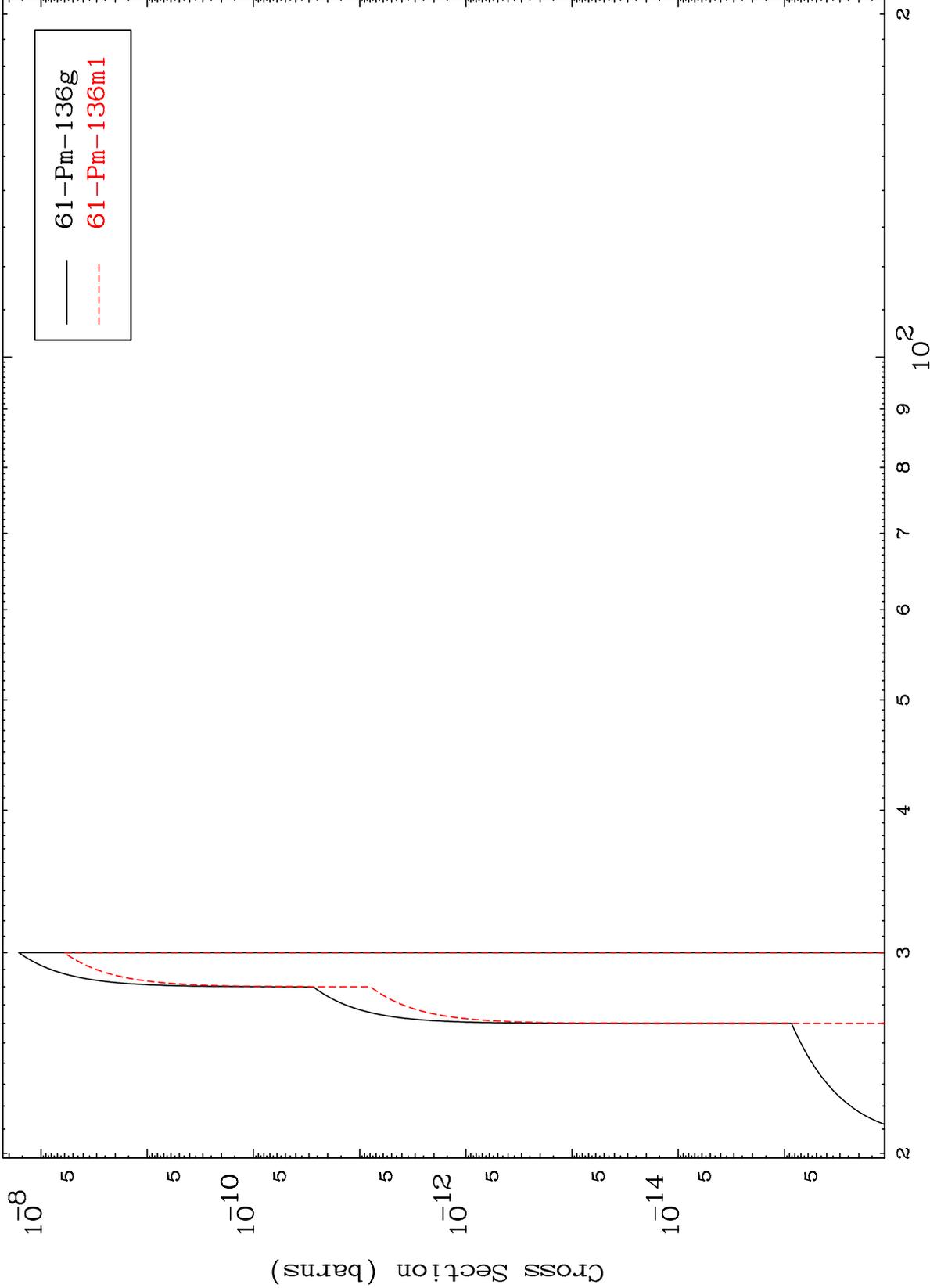


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(n,2n) α

61-Pm-138

Radionuclide Production Cross Section



12

Incident Energy (MeV)

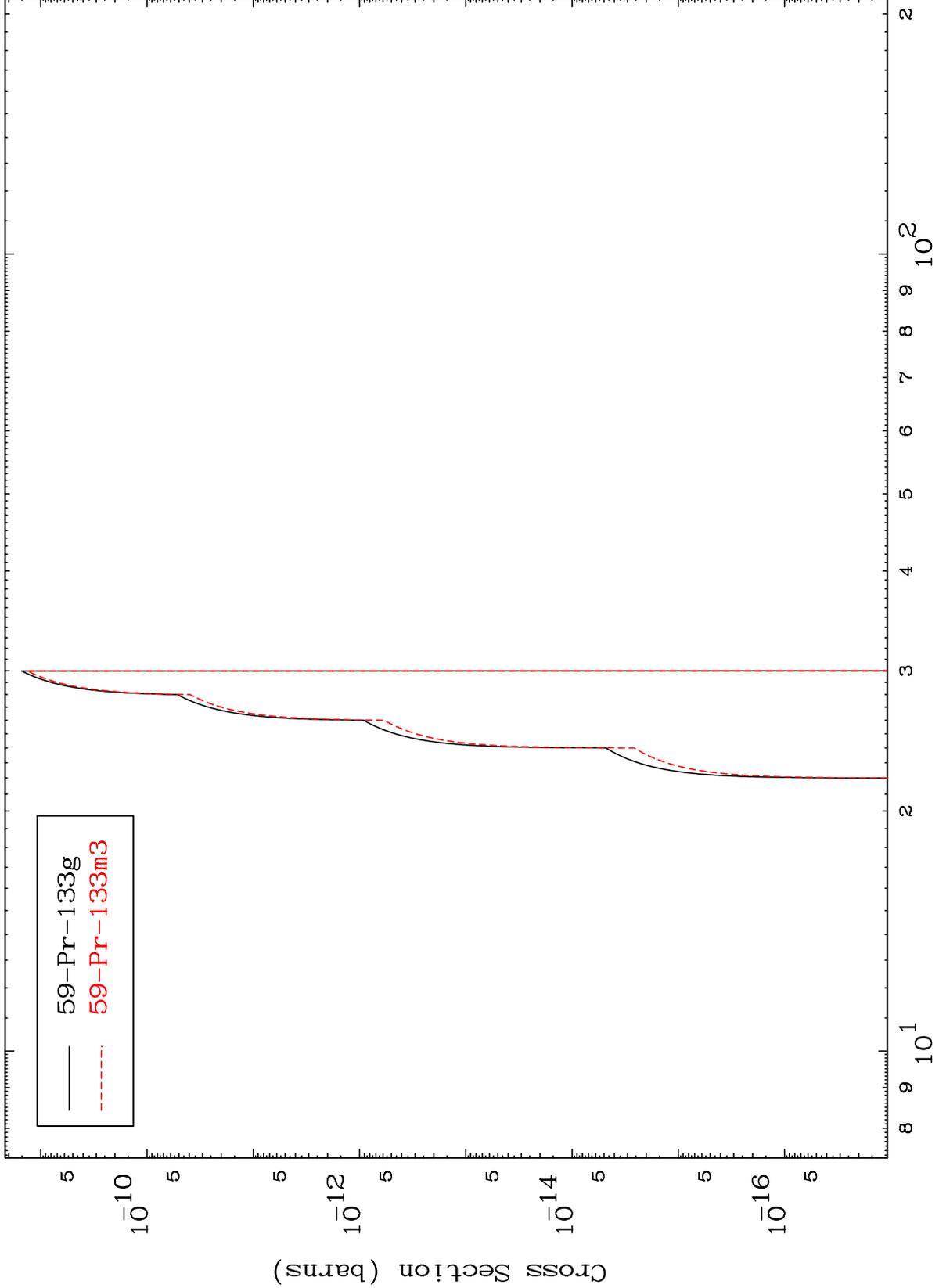
61-Pm-138

MAT 6122

(n,n') 2 α

61-Pm-138

Radionuclide Production Cross Section



59-Pr-133g
59-Pr-133m3

13

Incident Energy (MeV)

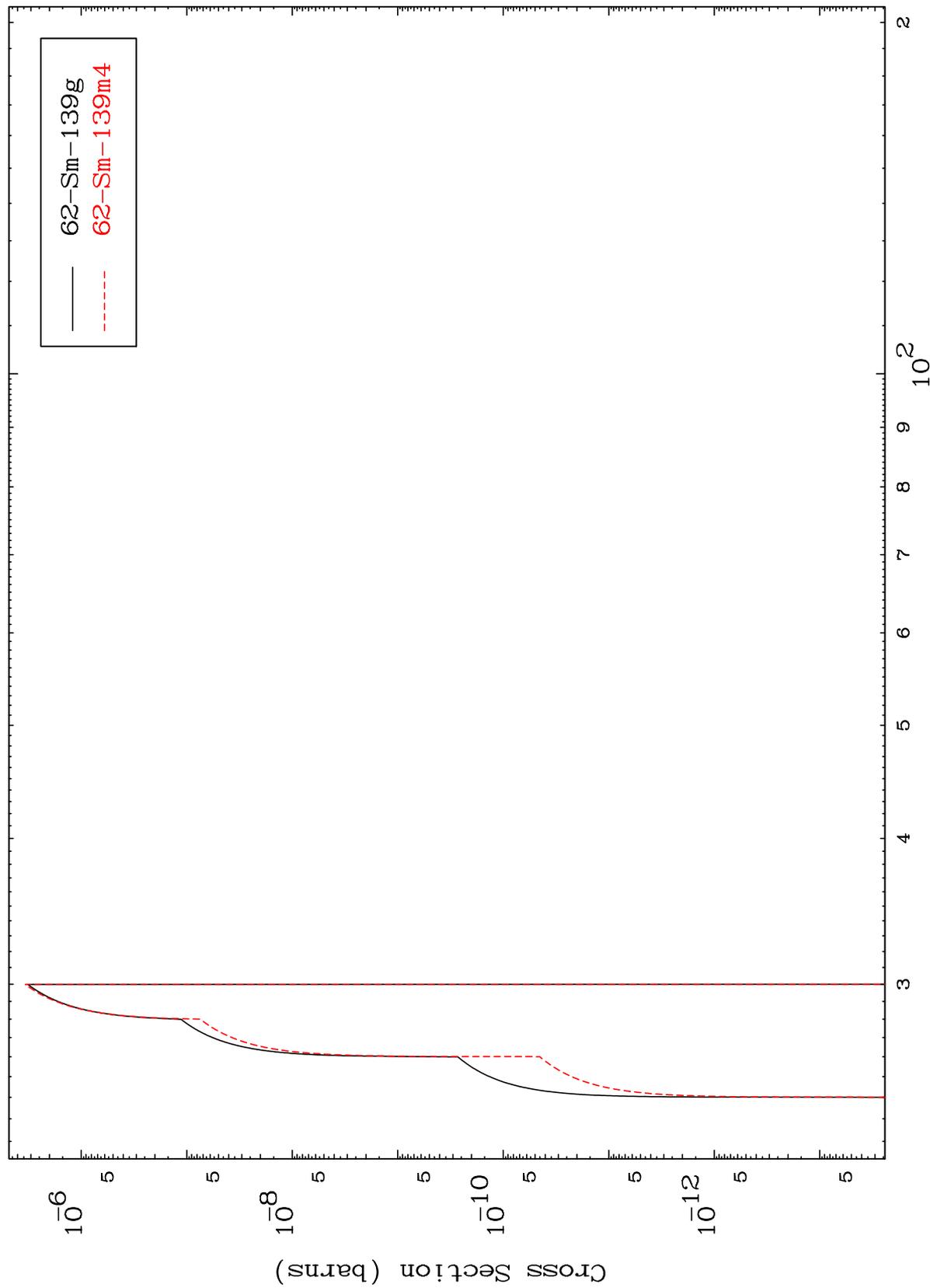
61-Pm-138

MAT 6122

(n,n') d

61-Pm-138

Radionuclide Production Cross Section

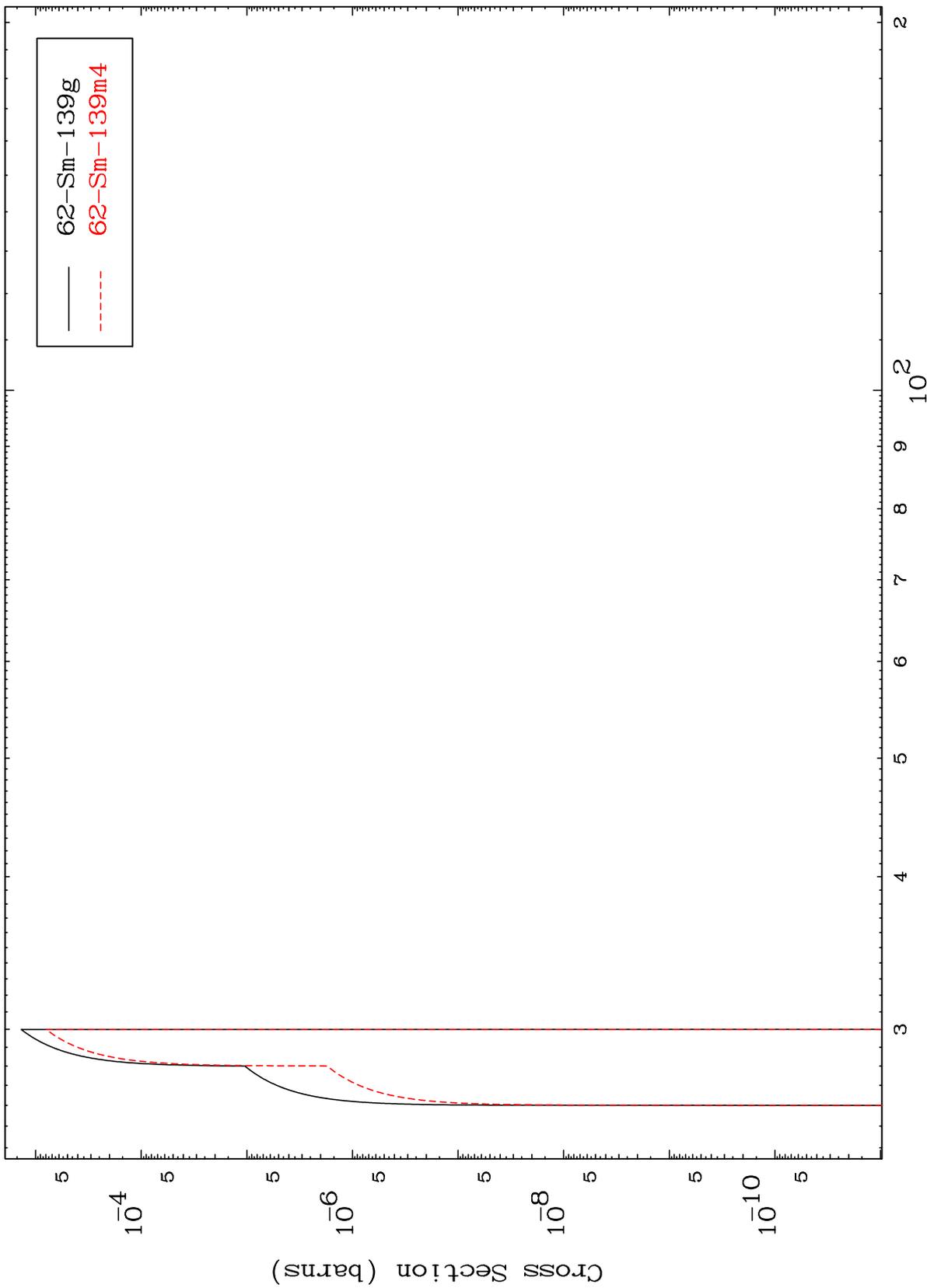


14

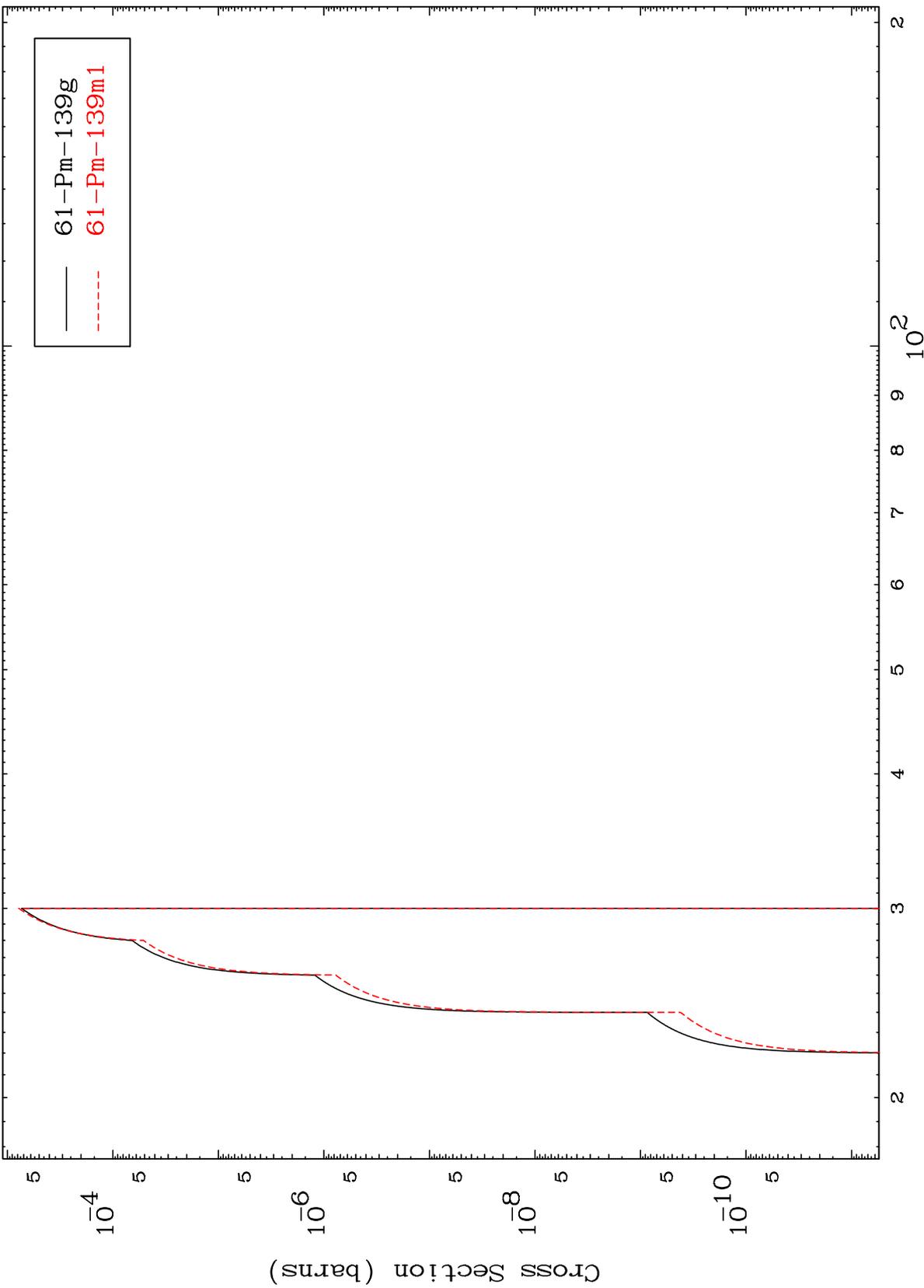
Incident Energy (MeV)

61-Pm-138

Radionuclide Production Cross Section



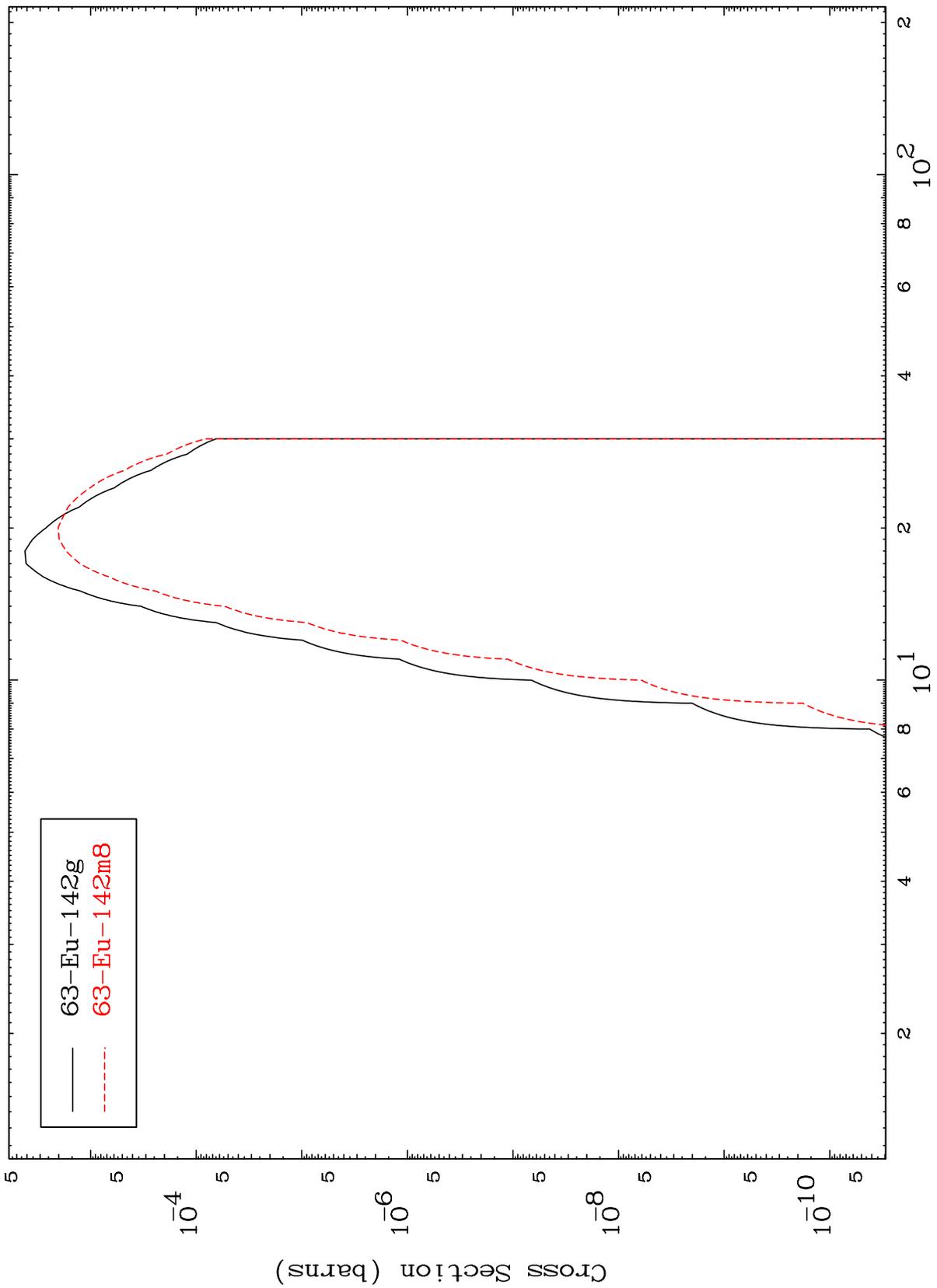
Radionuclide Production Cross Section



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61-Pm-138

(n,γ)
Radionuclide Production Cross Section



— 63-Eu-142g
- - - 63-Eu-142m8

61-Pm-138

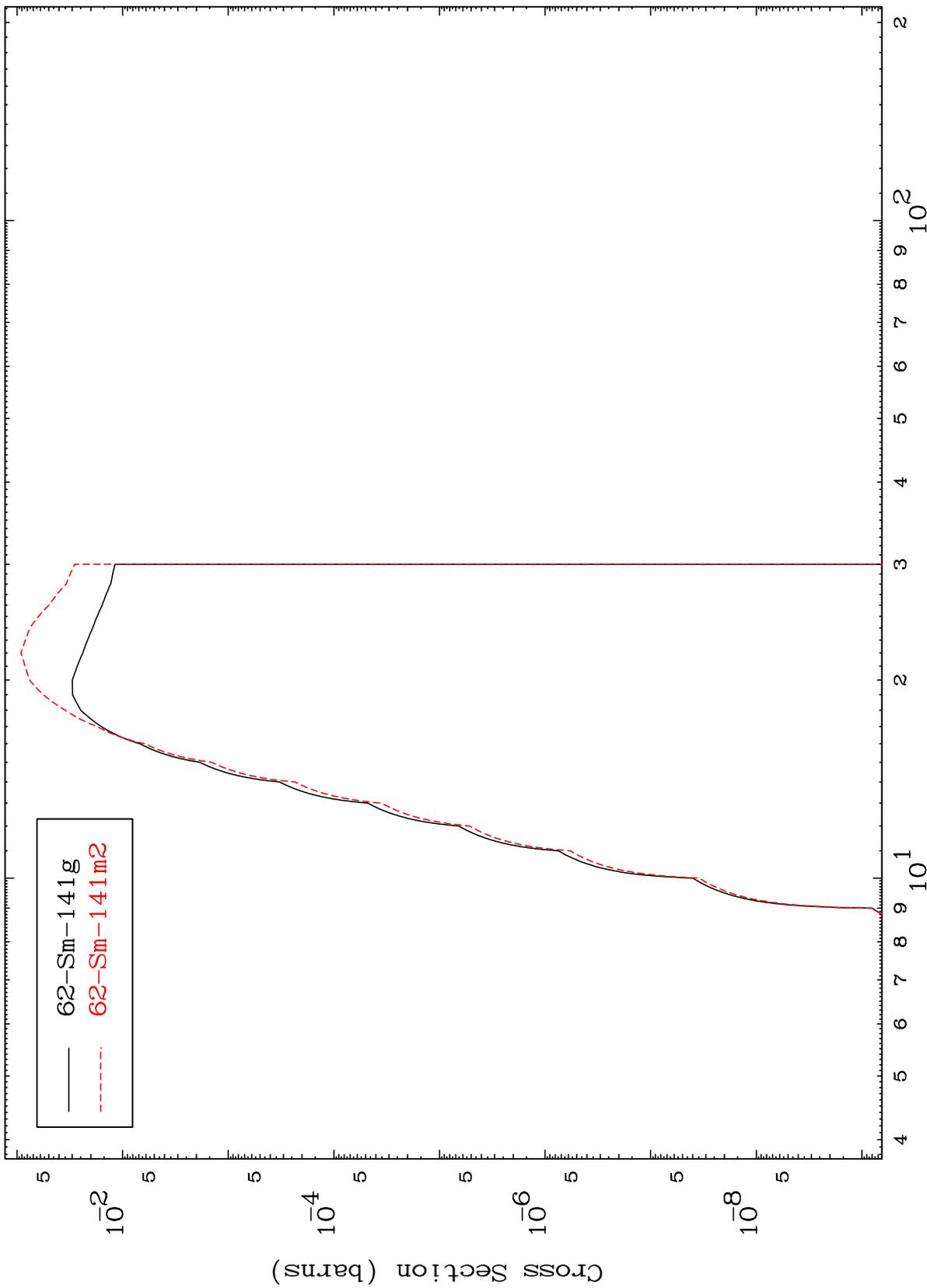
Incident Energy (MeV)

17

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61-Pm-138

(n,p)
Radionuclide Production Cross Section

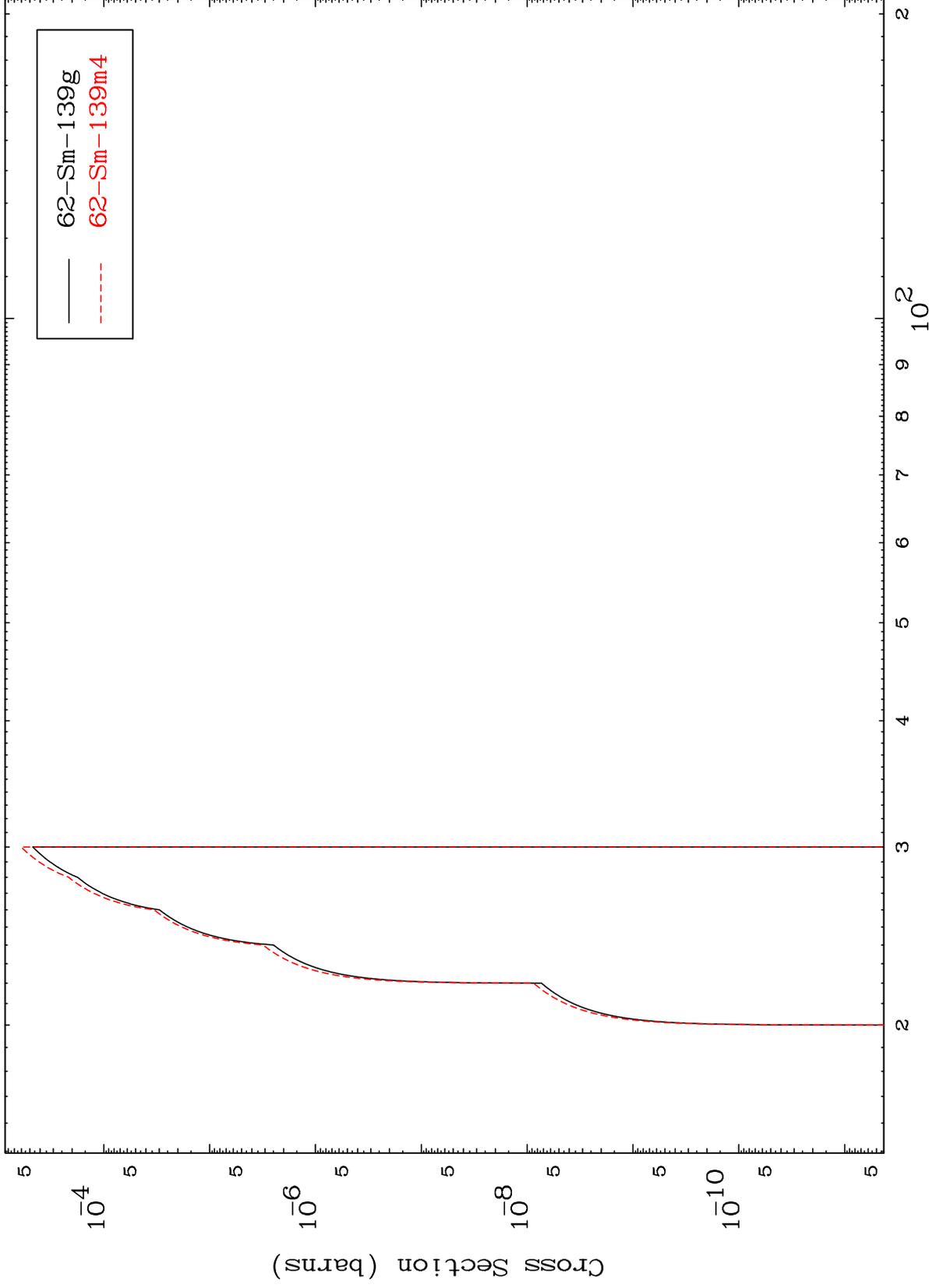


61-Pm-138

Incident Energy (MeV)

18

(n, t)
Radionuclide Production Cross Section

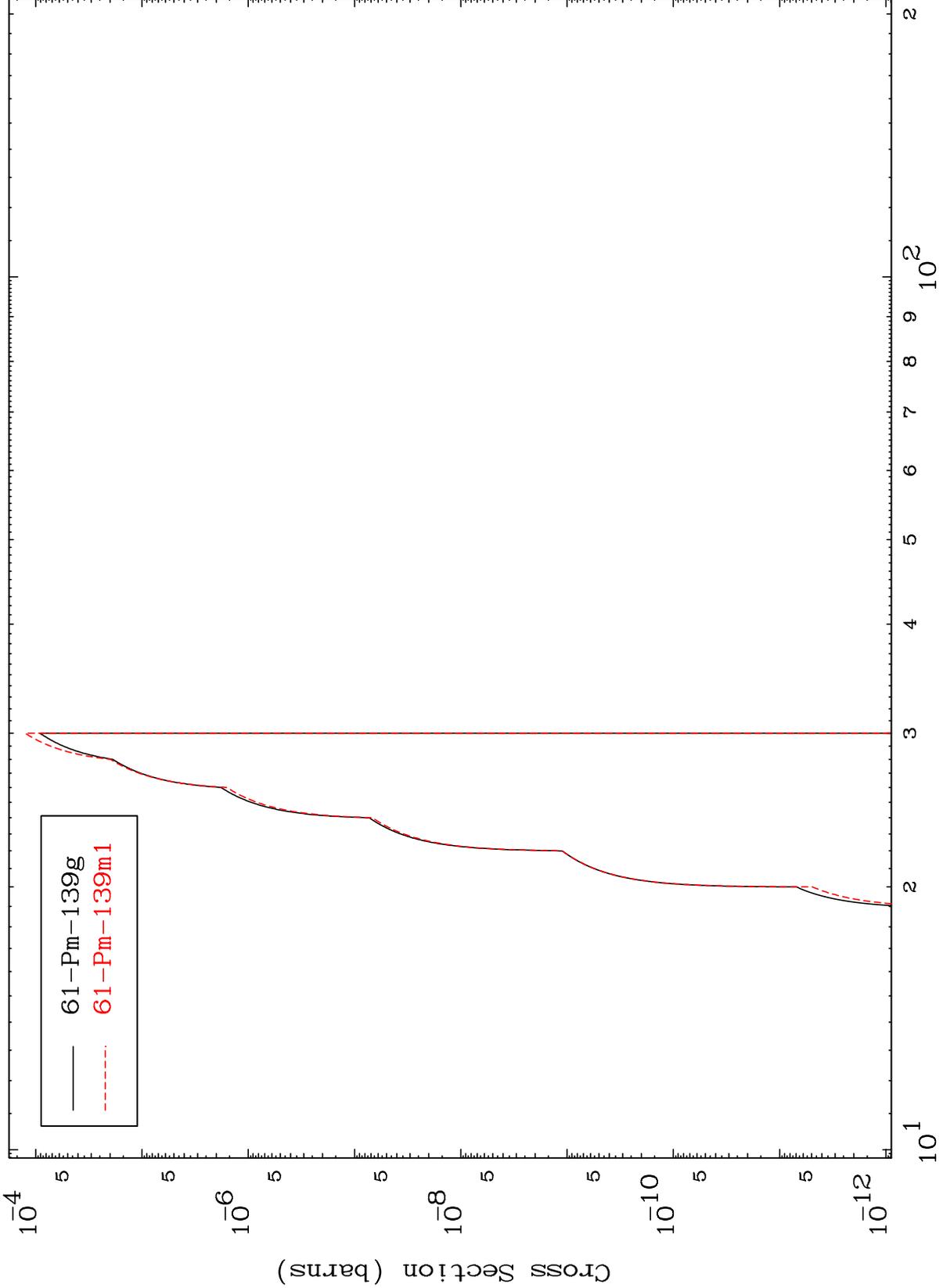


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(n,He-3)

61-Pm-138

Radionuclide Production Cross Section



Incident Energy (MeV)

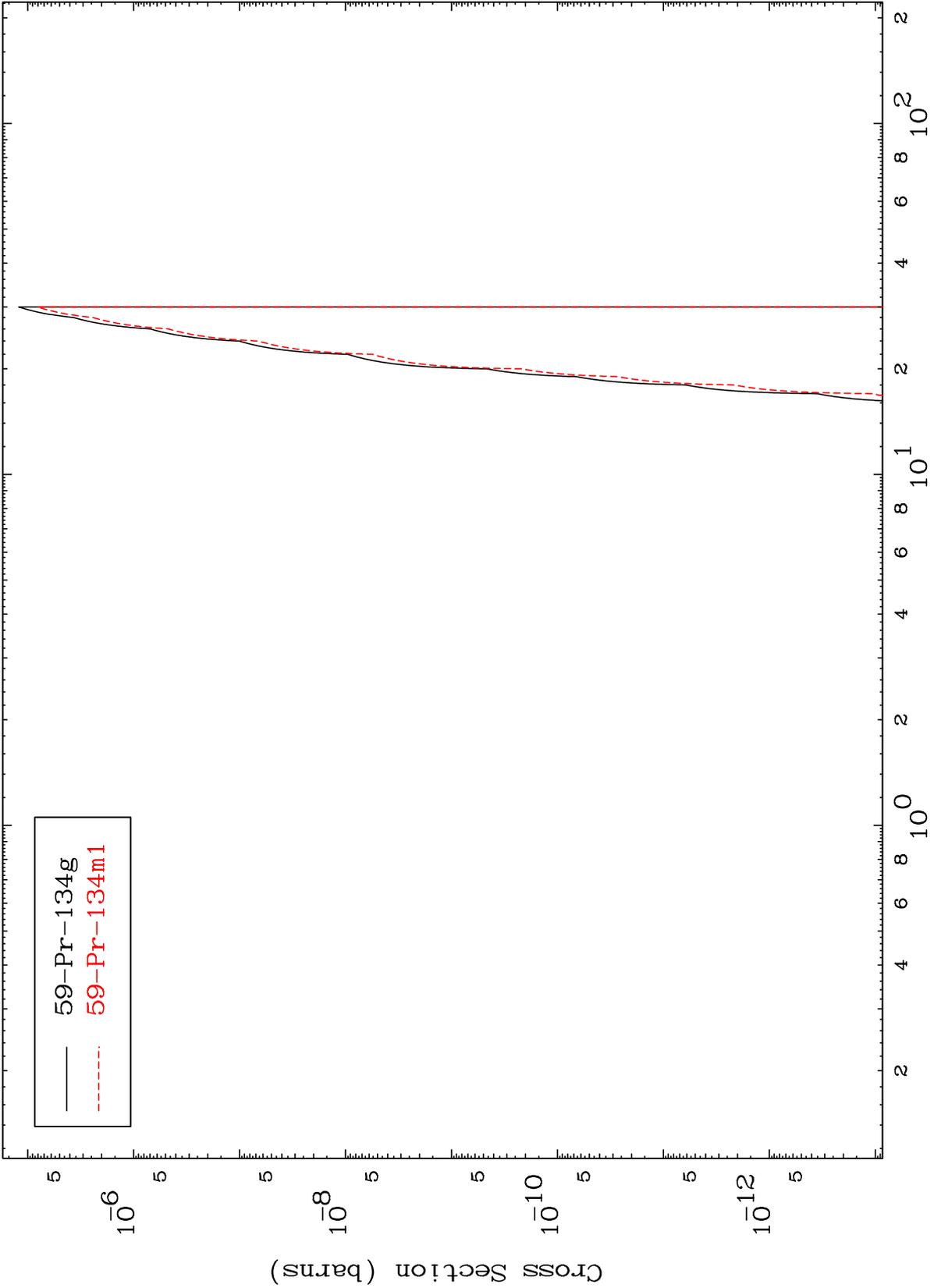
61-Pm-138

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(n,2α)

61-Pm-138

Radionuclide Production Cross Section

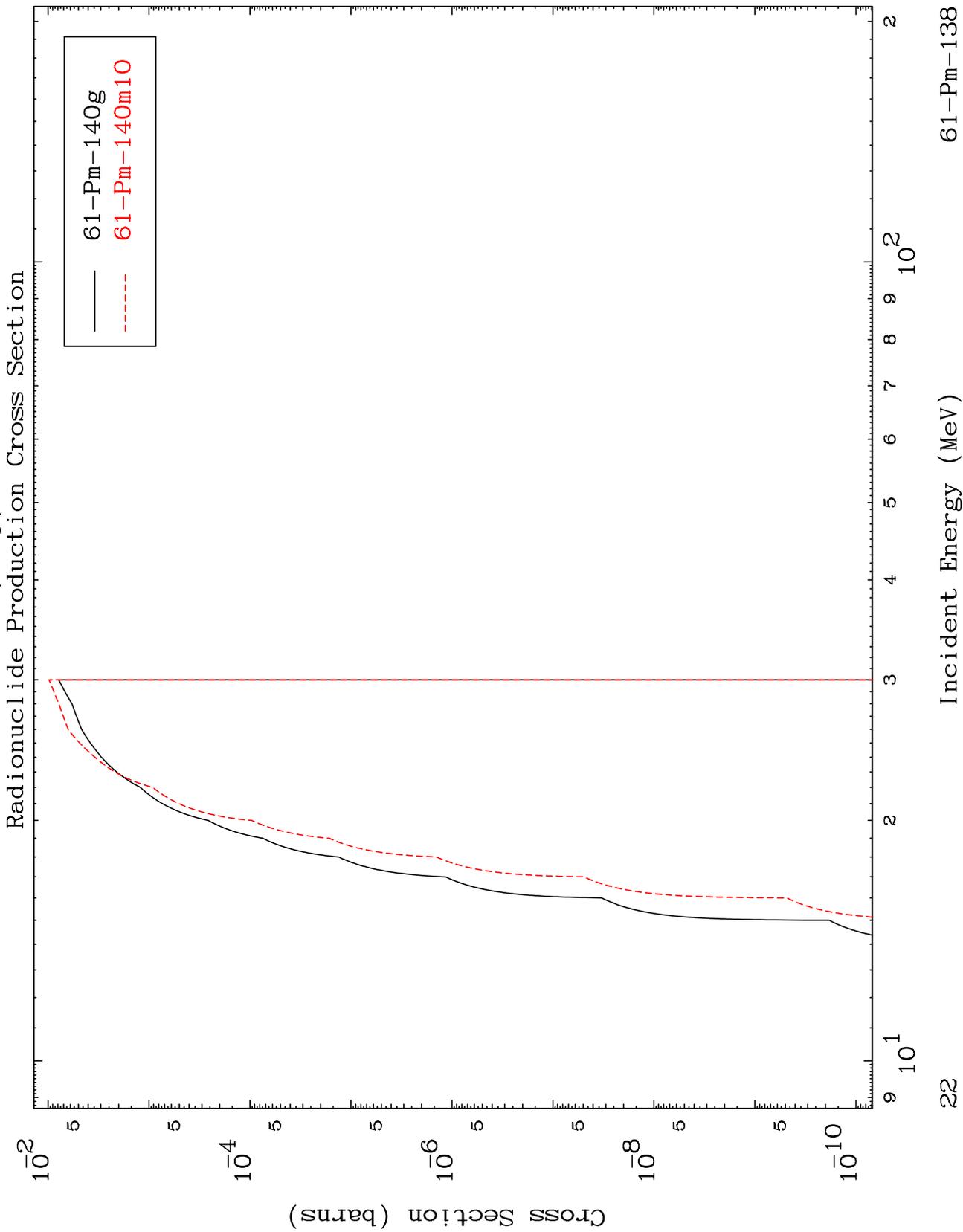


— 59-Pr-134g
- - - 59-Pr-134m1

MAT 6122

61-Pm-138

(n,2p)



22

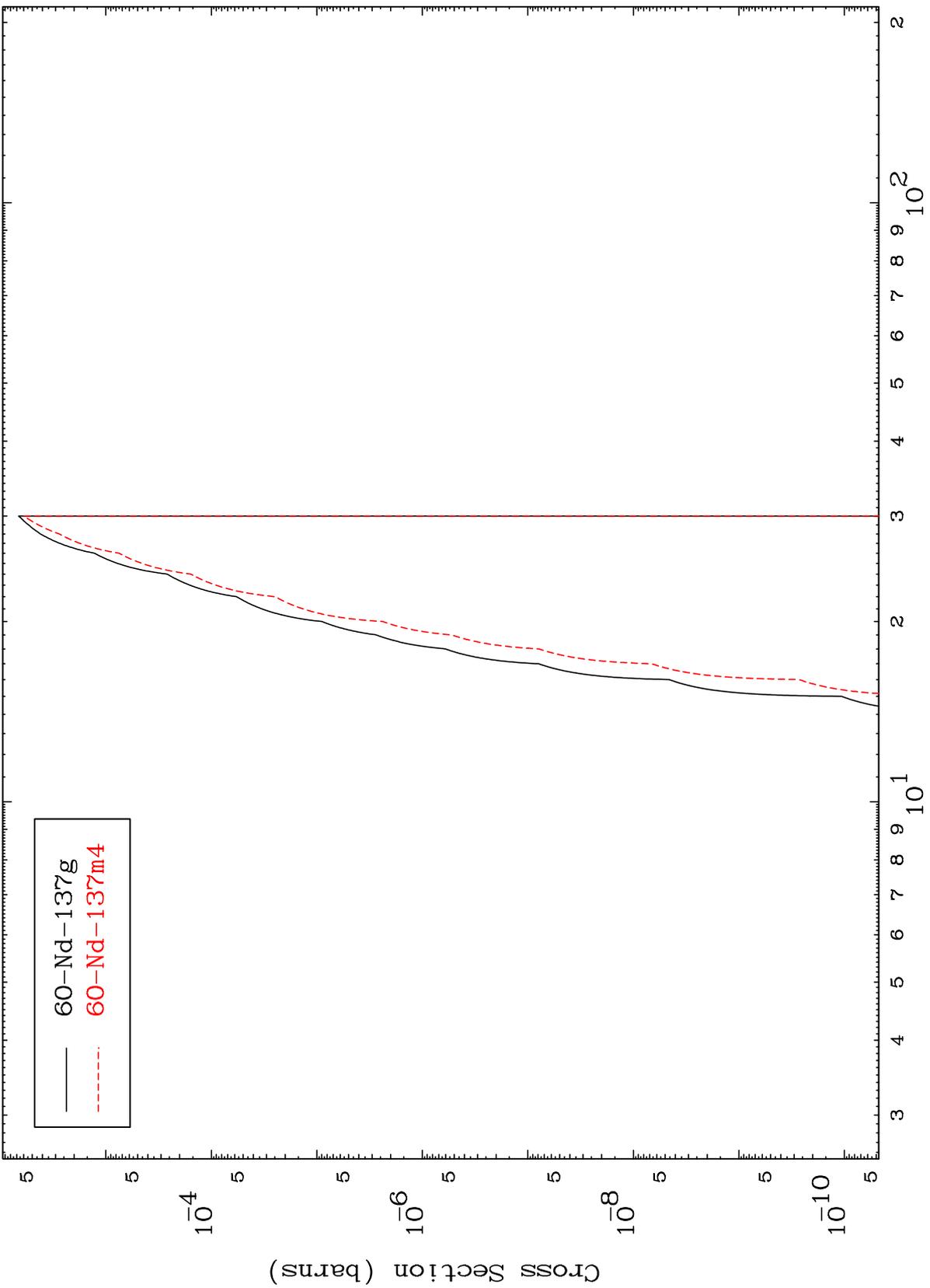
61-Pm-138

MAT 6122

(n,p) α

61-Pm-138

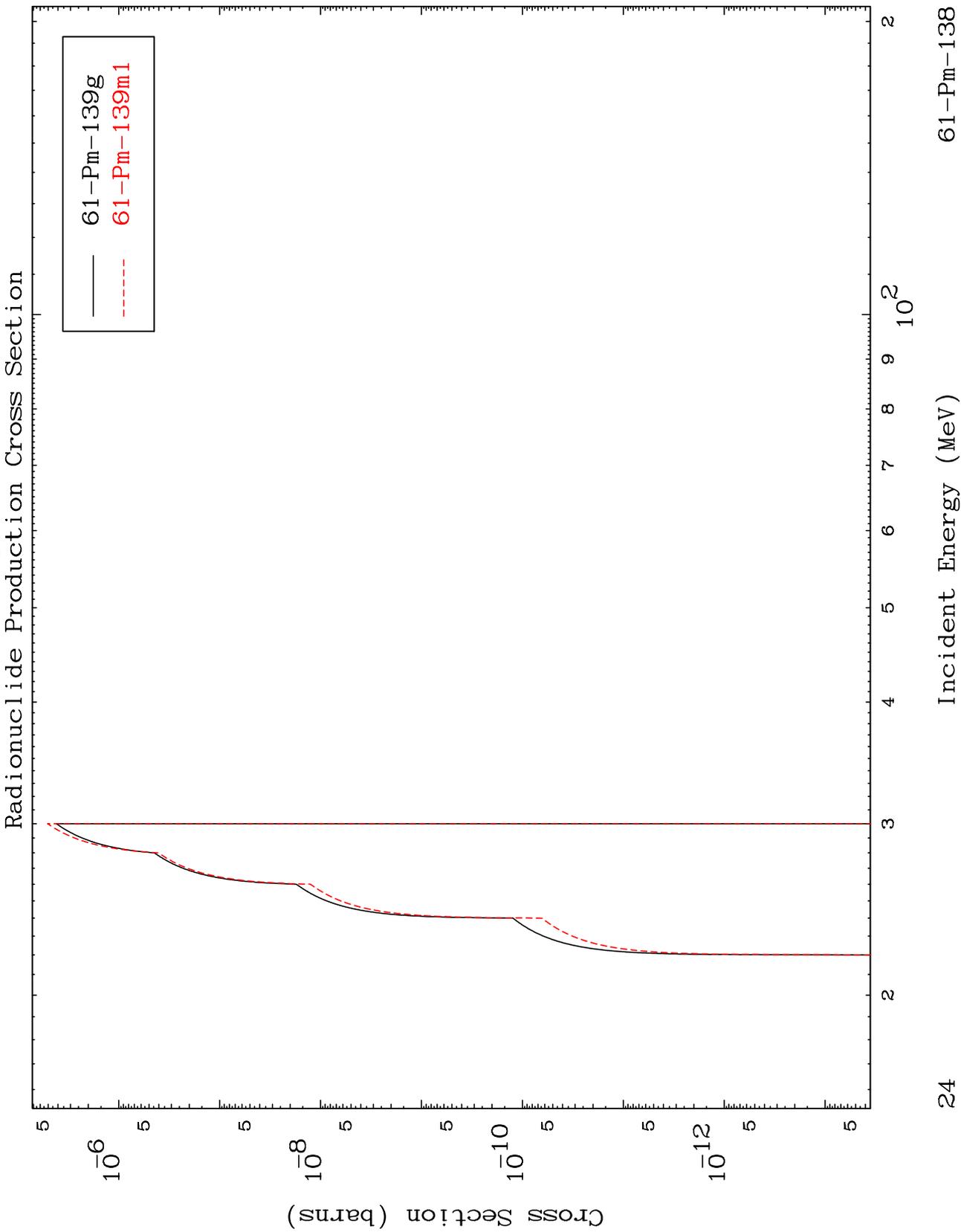
Radionuclide Production Cross Section



MAT 6122

(n,p) d

61-Pm-138



24

Incident Energy (MeV)

61-Pm-138