

Program EVALPLOT
(Version 2021-1)

by

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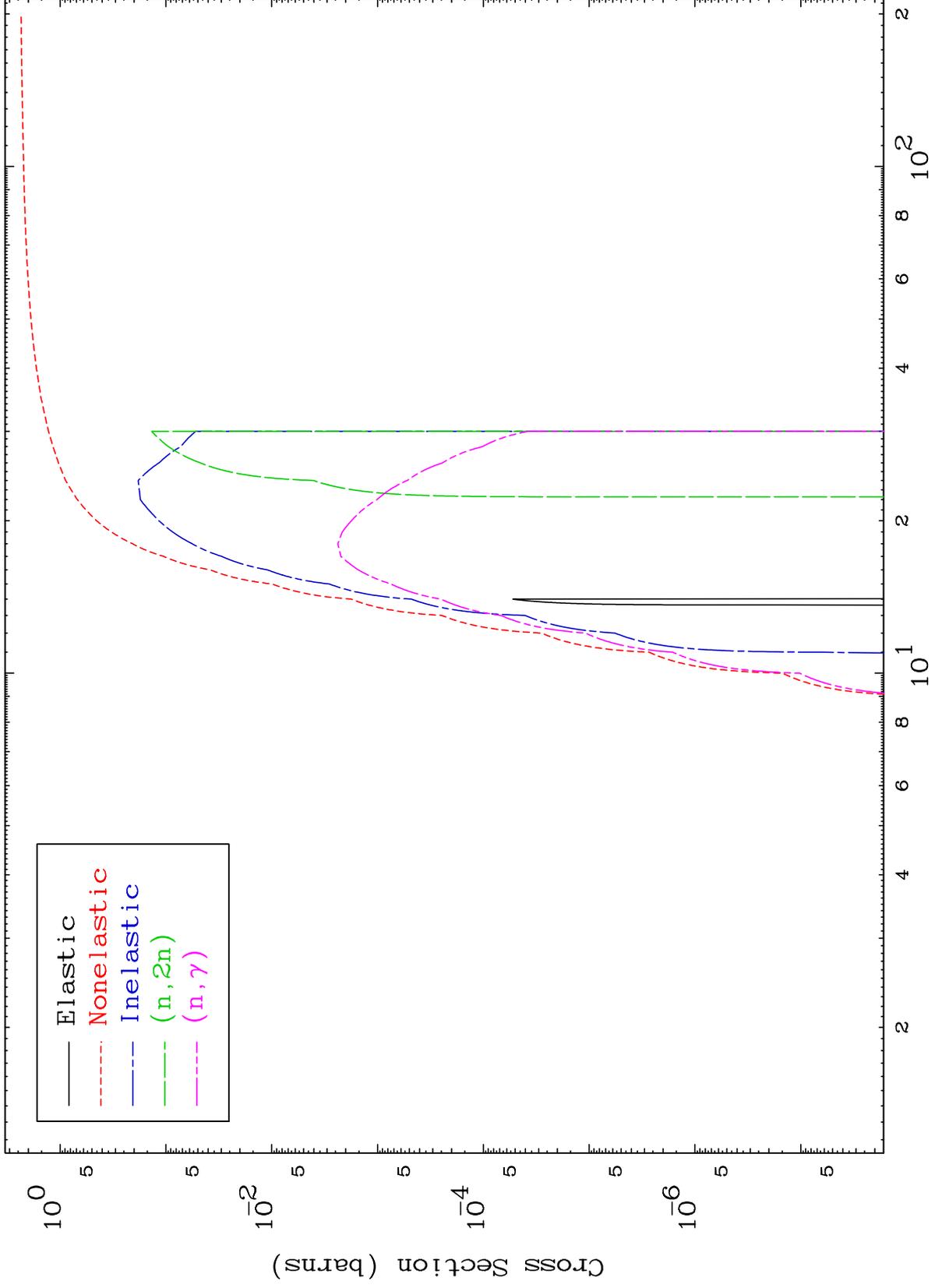
Press Mouse Button to Start

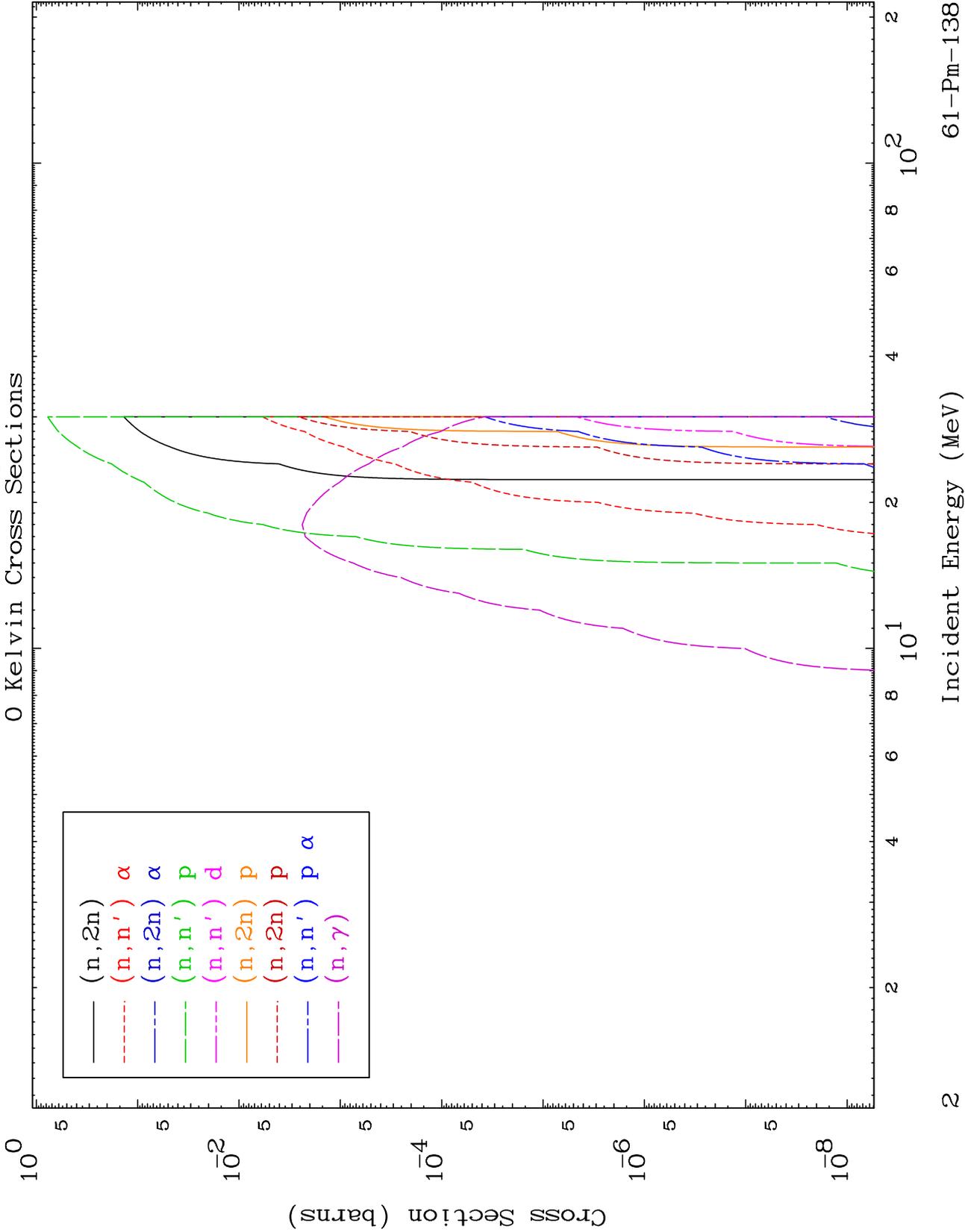
MAT 6122

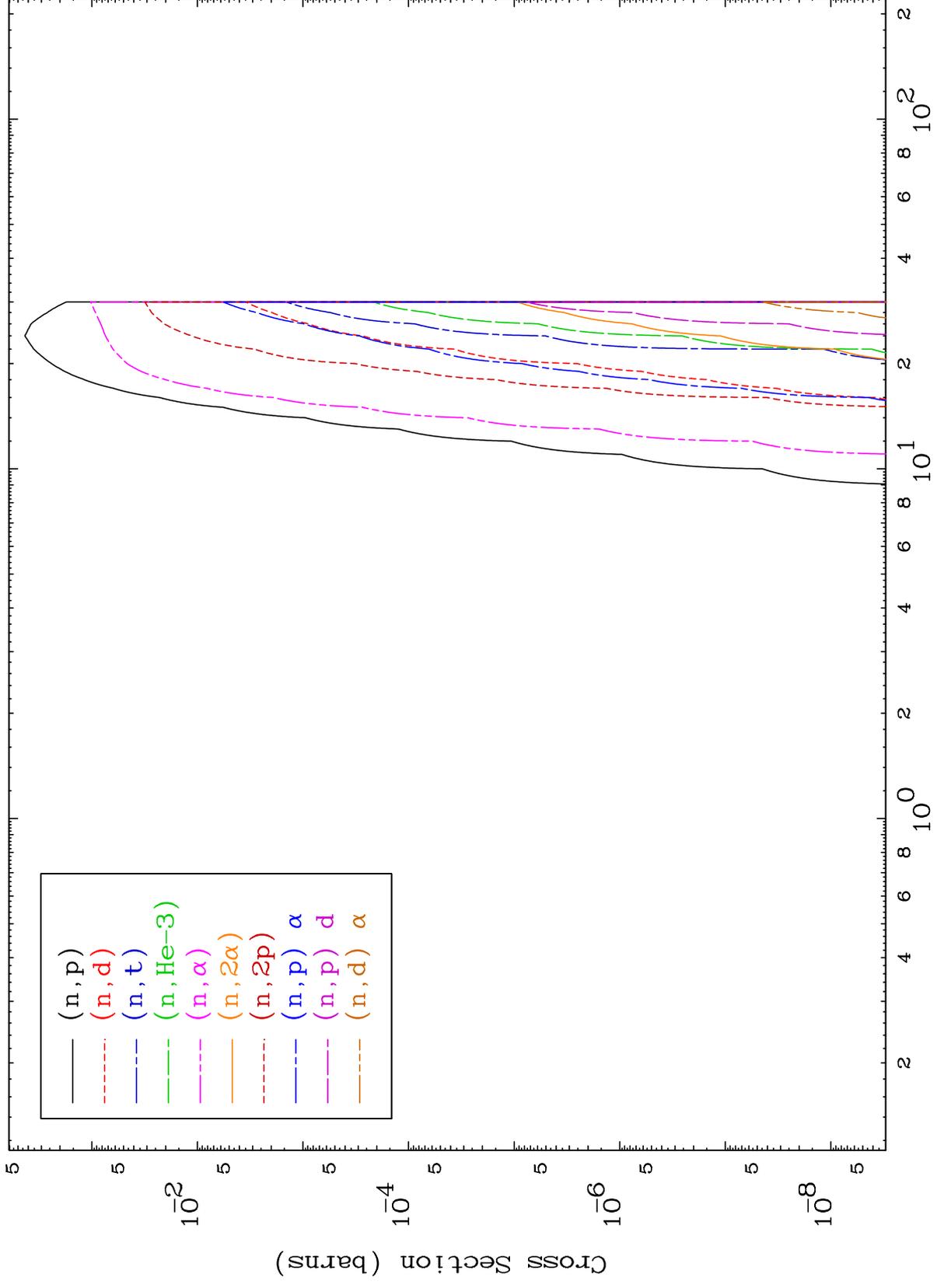
0 Kelvin Cross Sections

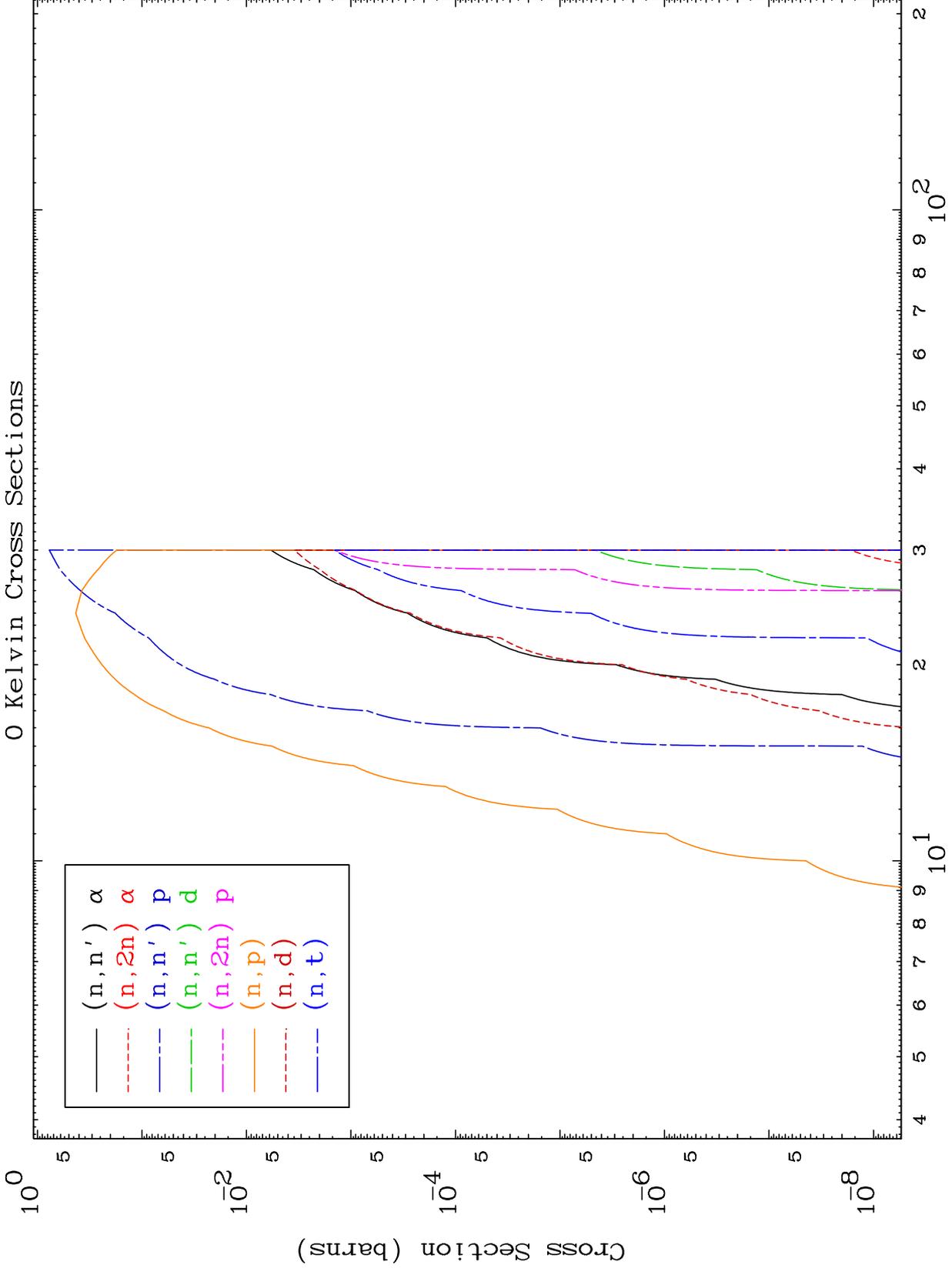
α Major

61-Pm-138

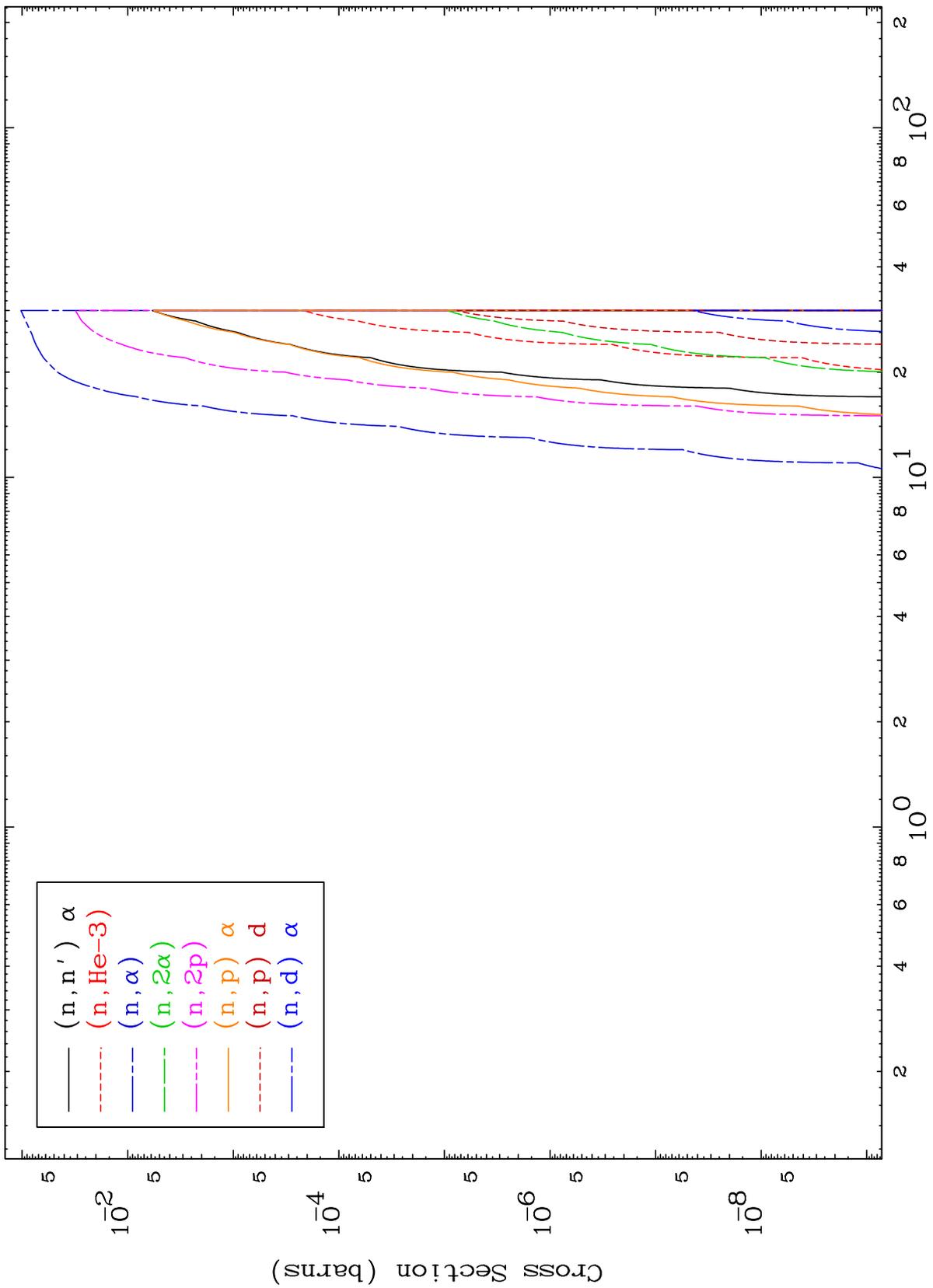








—	(n, n')	α
- - -	(n, 2n)	α
- · -	(n, n')	p
—	(n, n')	d
- - -	(n, 2n)	p
—	(n, p)	
- - -	(n, d)	
- · -	(n, t)	

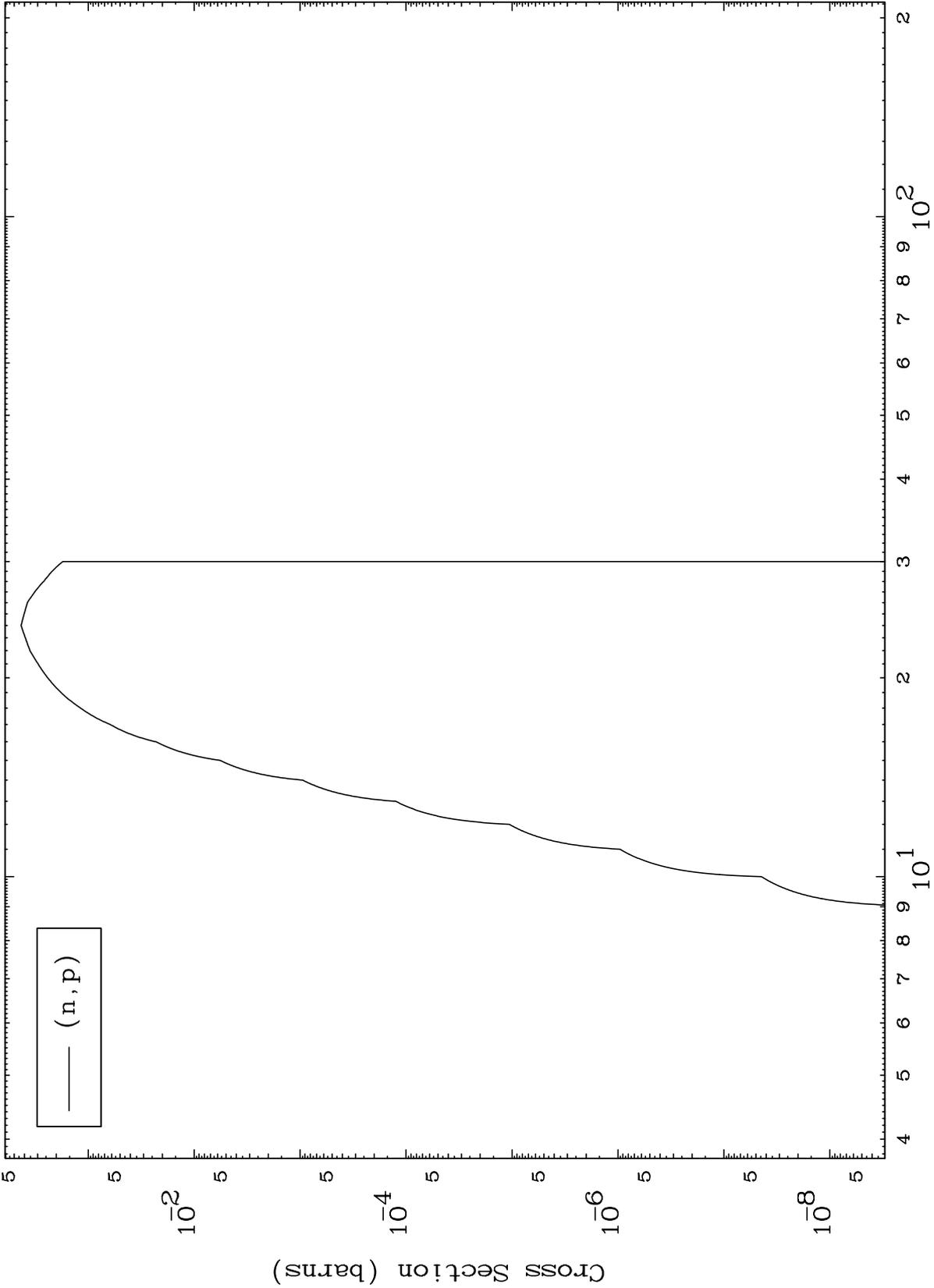


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(α, p) Levels

61-Pm-138

0 Kelvin Cross Sections

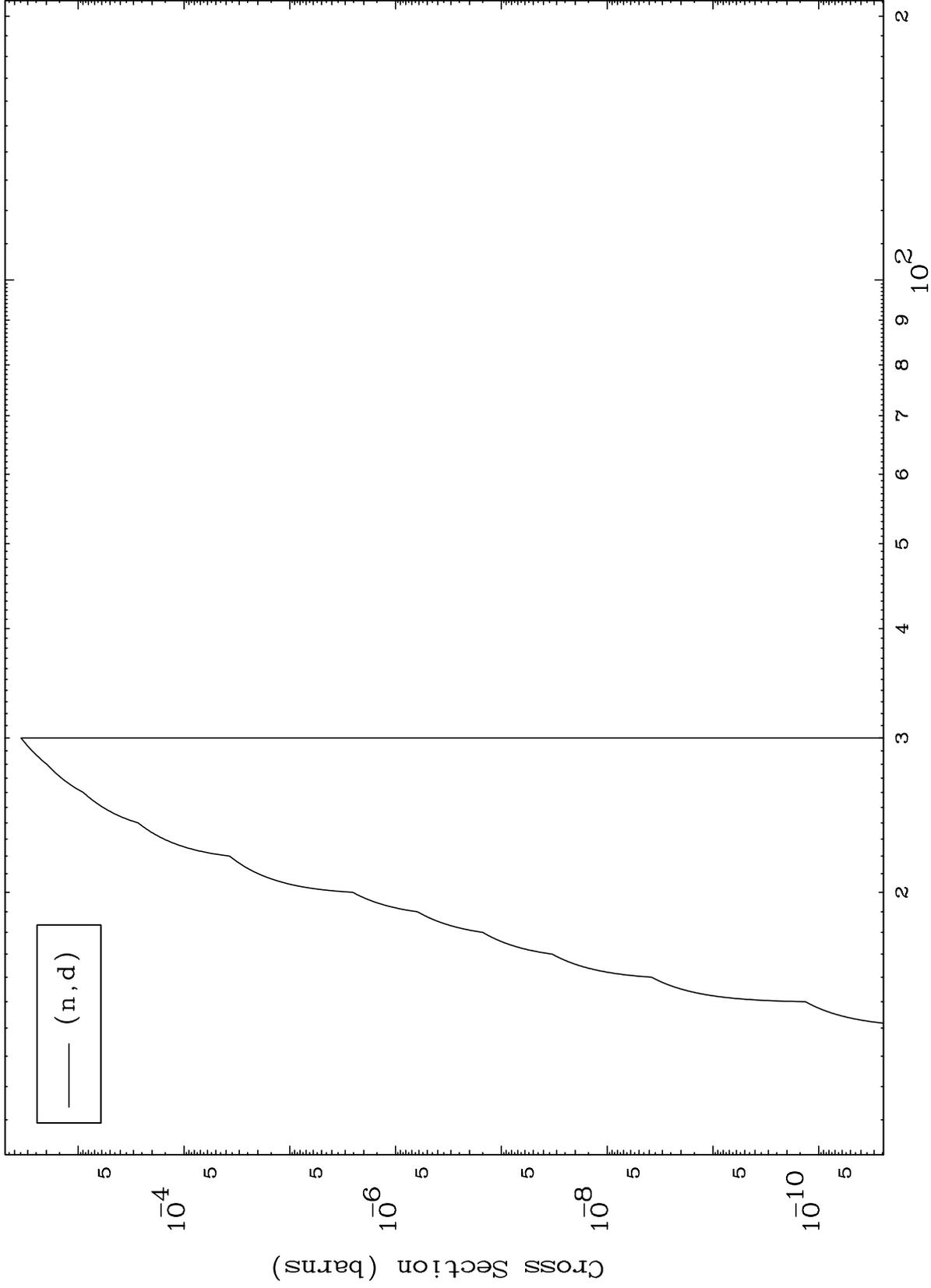


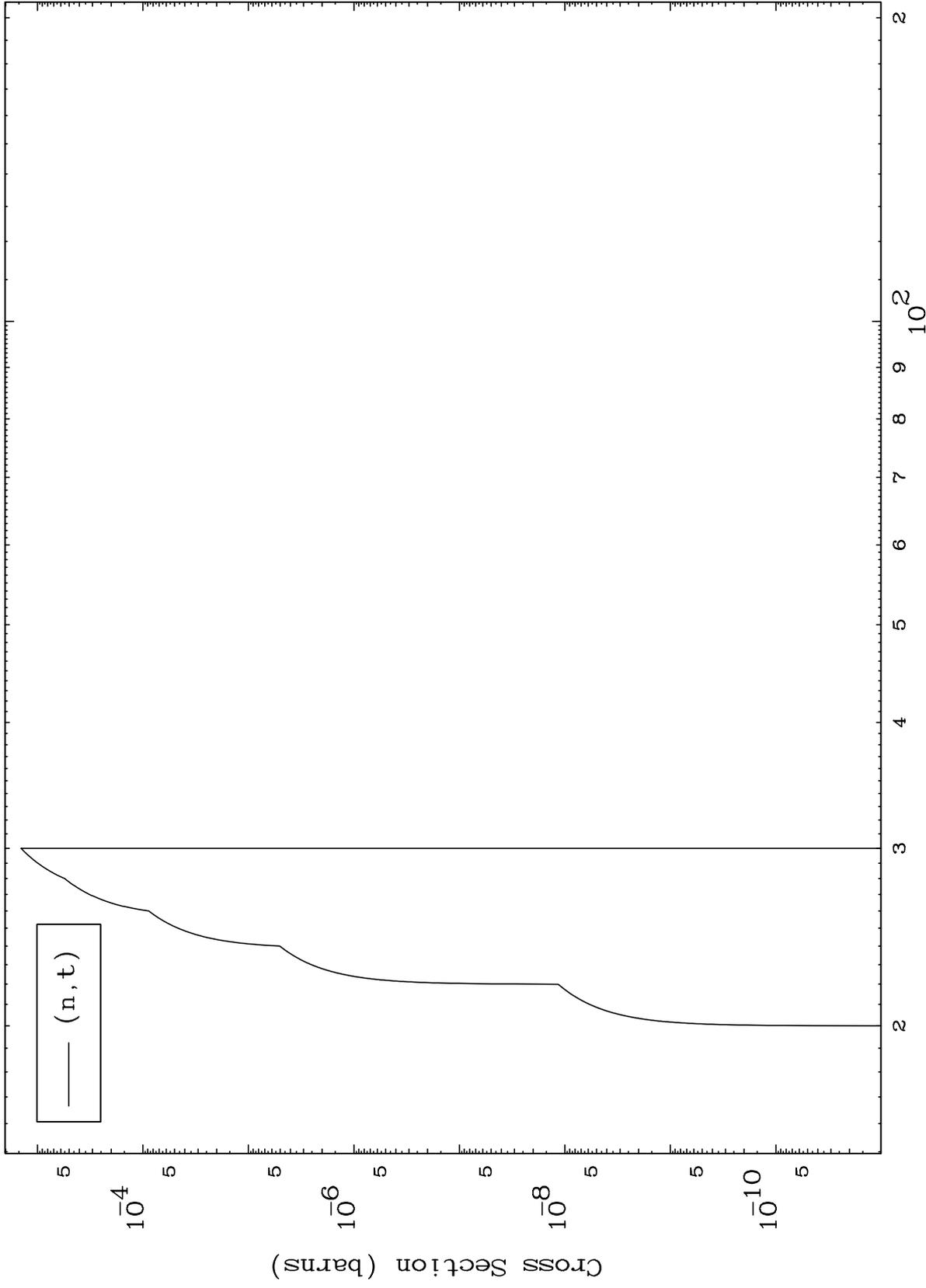
(n, p)

Incident Energy (MeV)

61-Pm-138

6

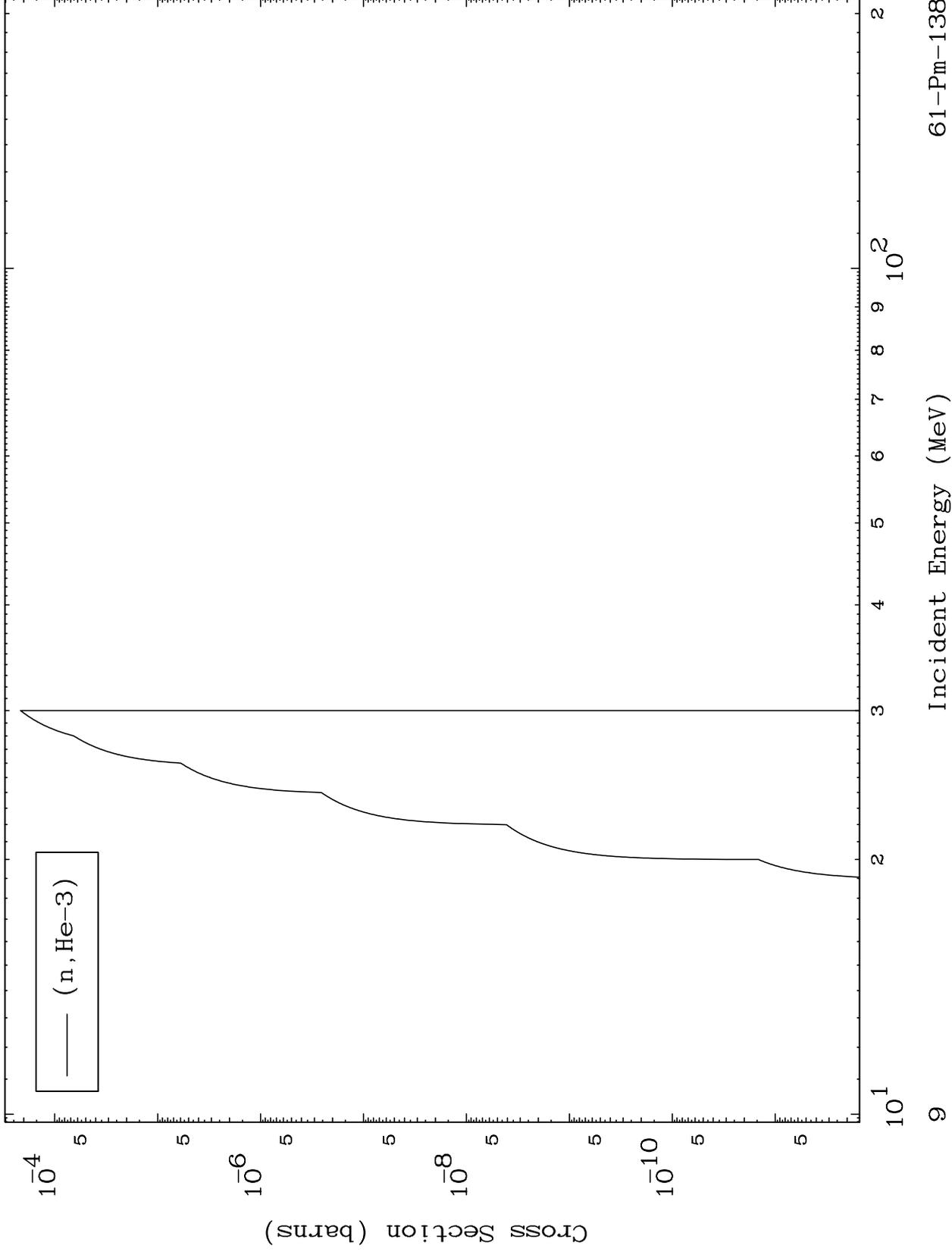




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($\alpha, \text{He}3$) Levels
0 Kelvin Cross Sections

61-Pm-138



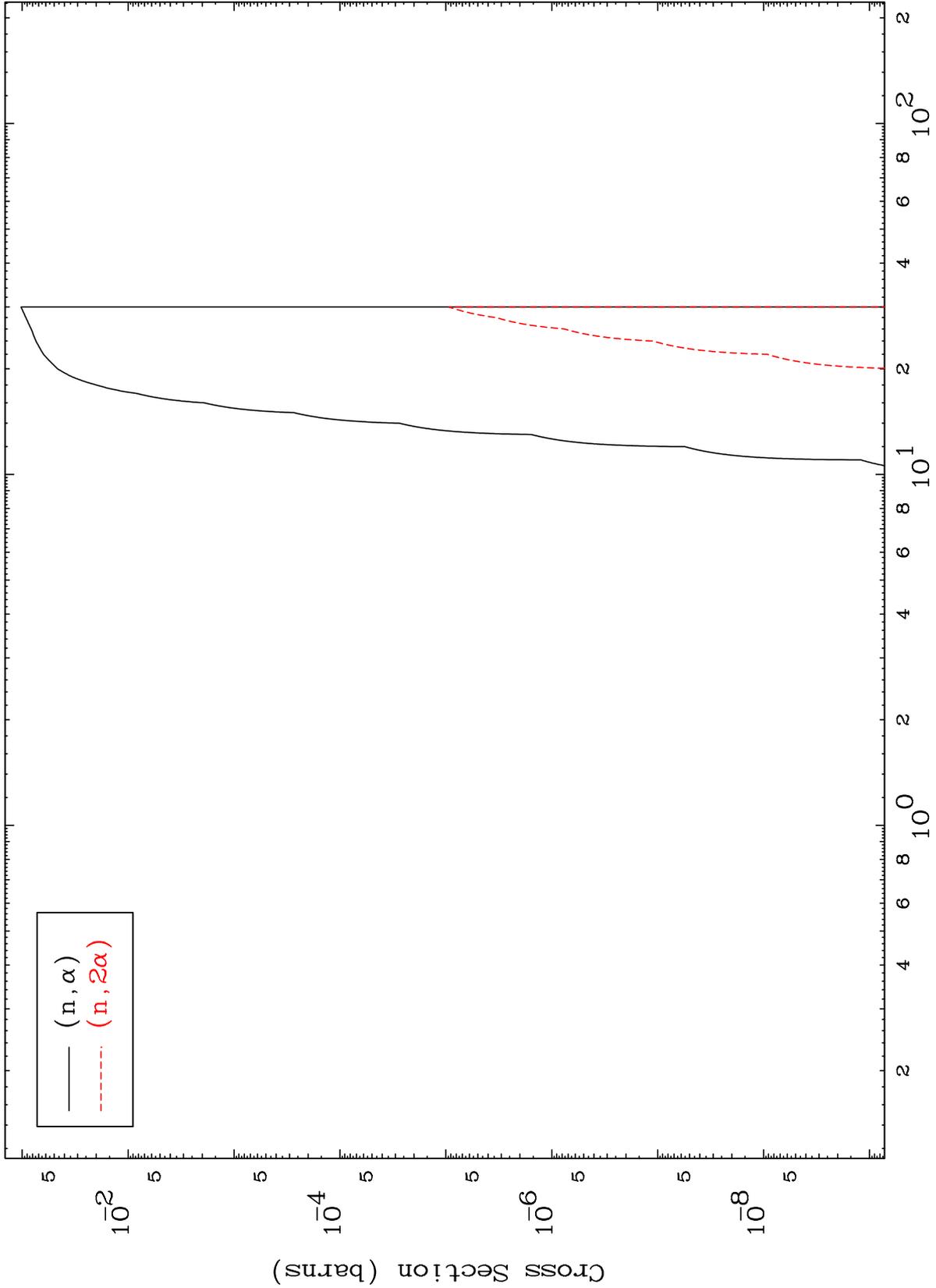
61-Pm-138

MAT 6122

(α, α) Levels

61-Pm-138

0 Kelvin Cross Sections

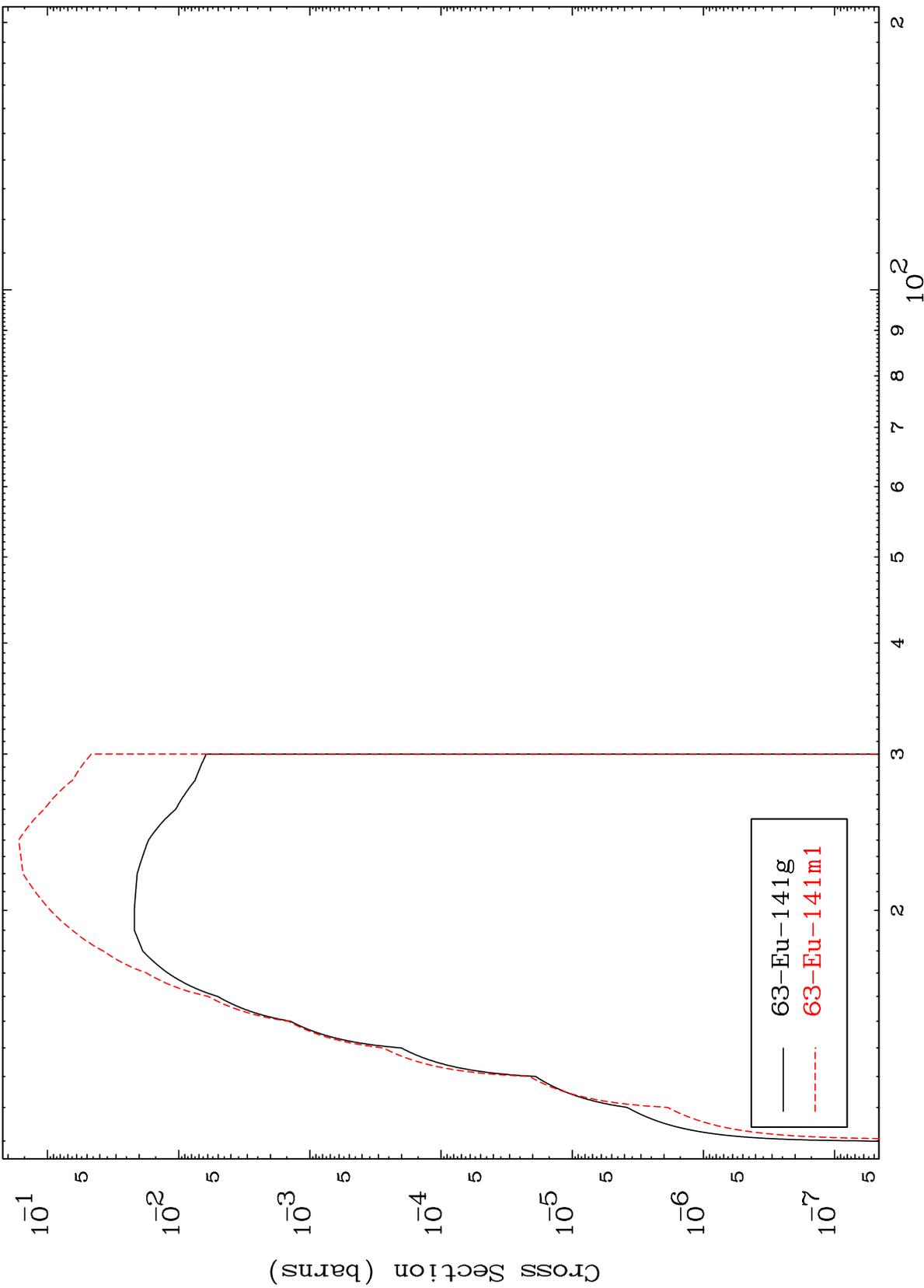


10

Incident Energy (MeV)

61-Pm-138

Inelastic
Radionuclide Production Cross Section

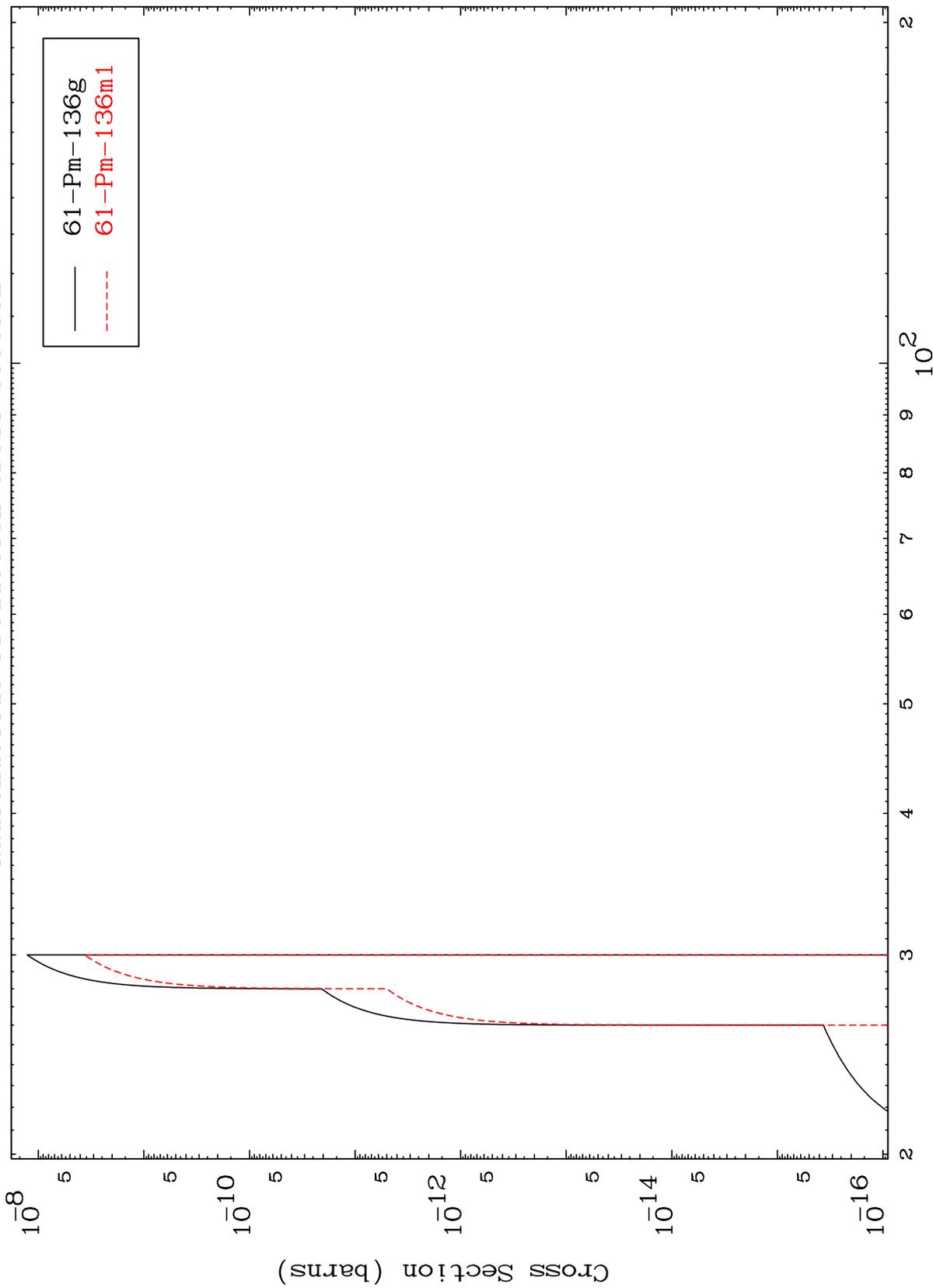


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(n,2n) α

61-Pm-138

Radionuclide Production Cross Section



12

Incident Energy (MeV)

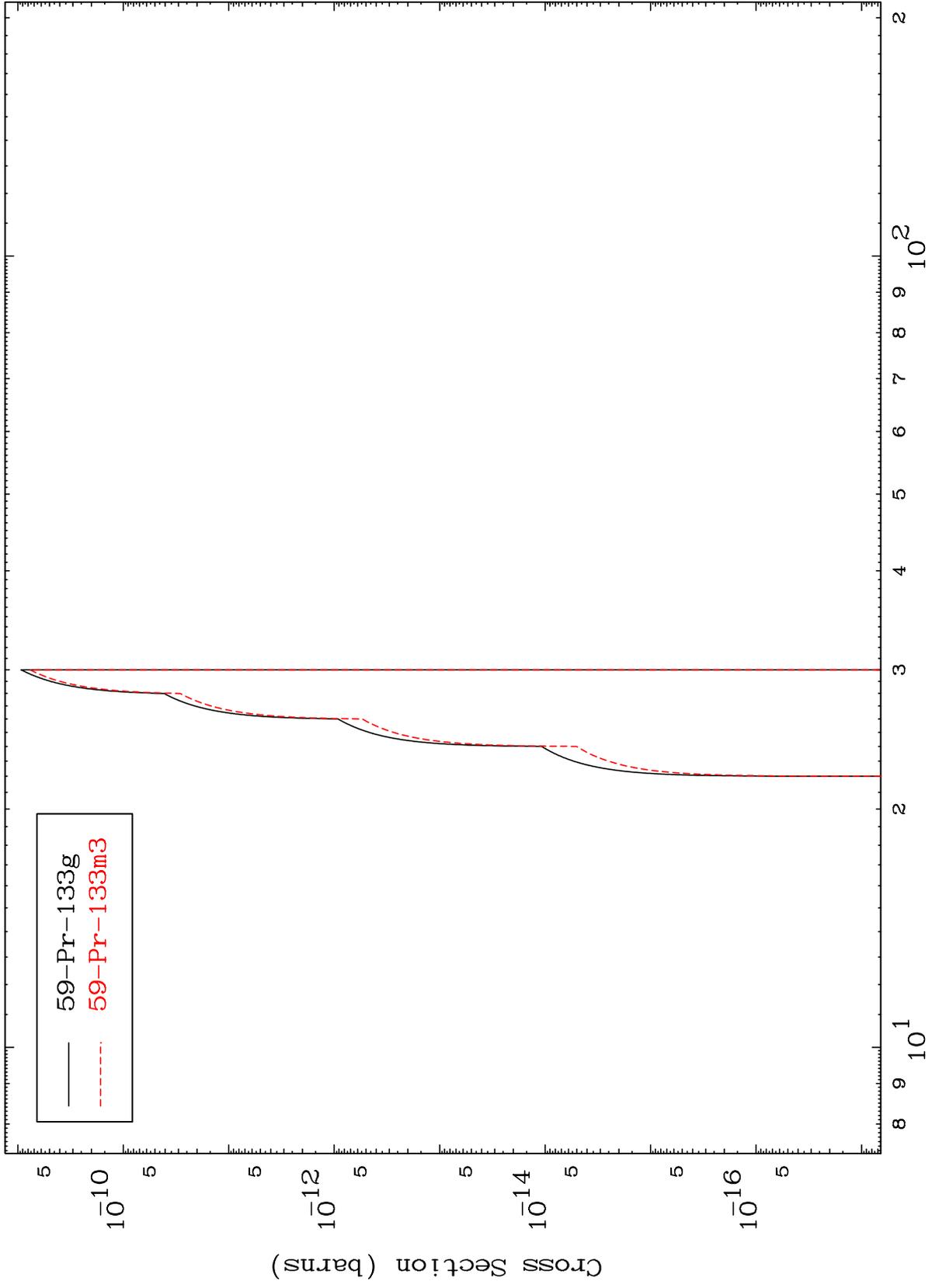
61-Pm-138

MAT 6122

(n,n') 2α

61-Pm-138

Radionuclide Production Cross Section



13

Incident Energy (MeV)

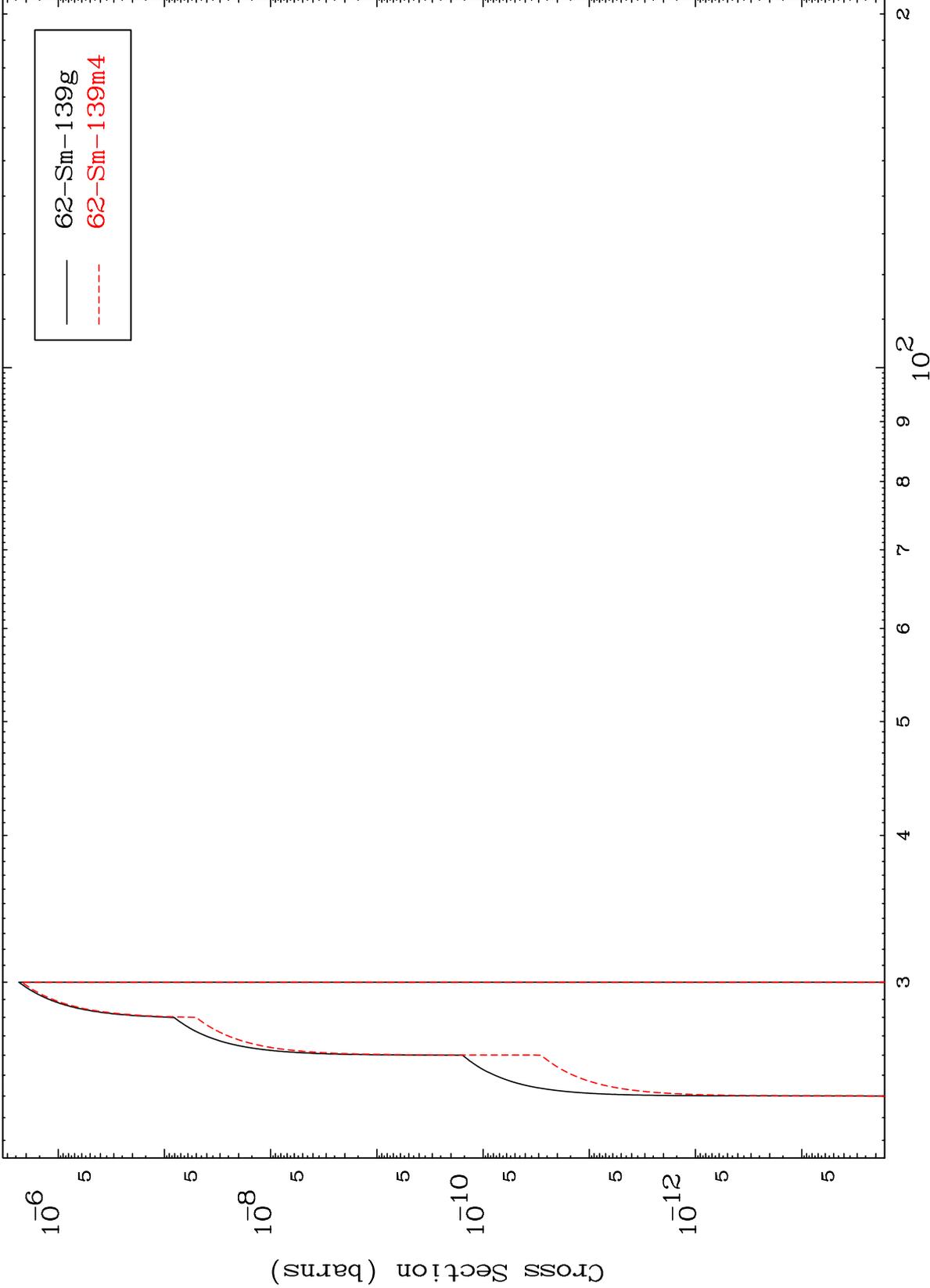
61-Pm-138

MAT 6122

(n,n') d

61-Pm-138

Radionuclide Production Cross Section



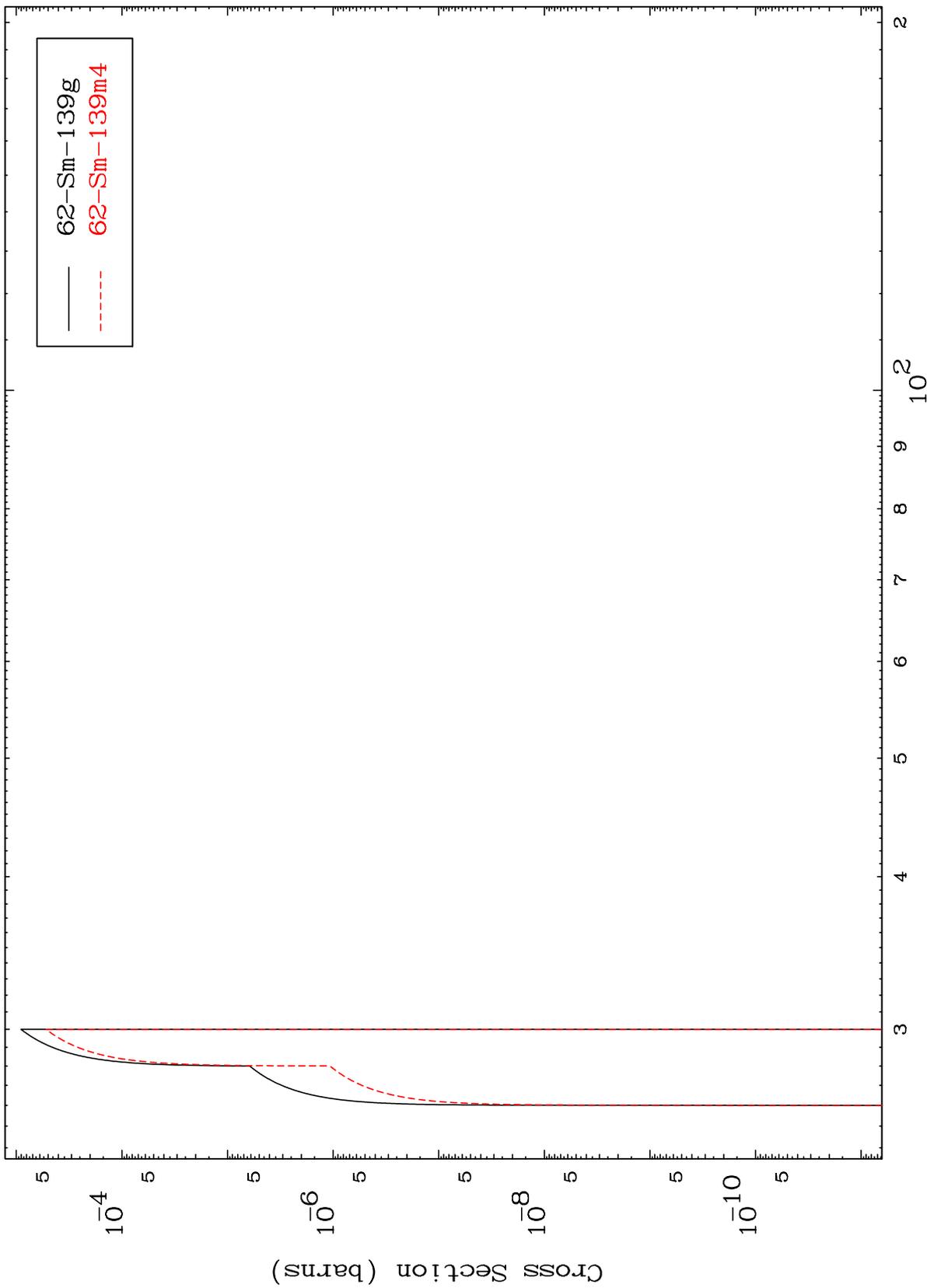
62-Sm-139g
62-Sm-139m4

14

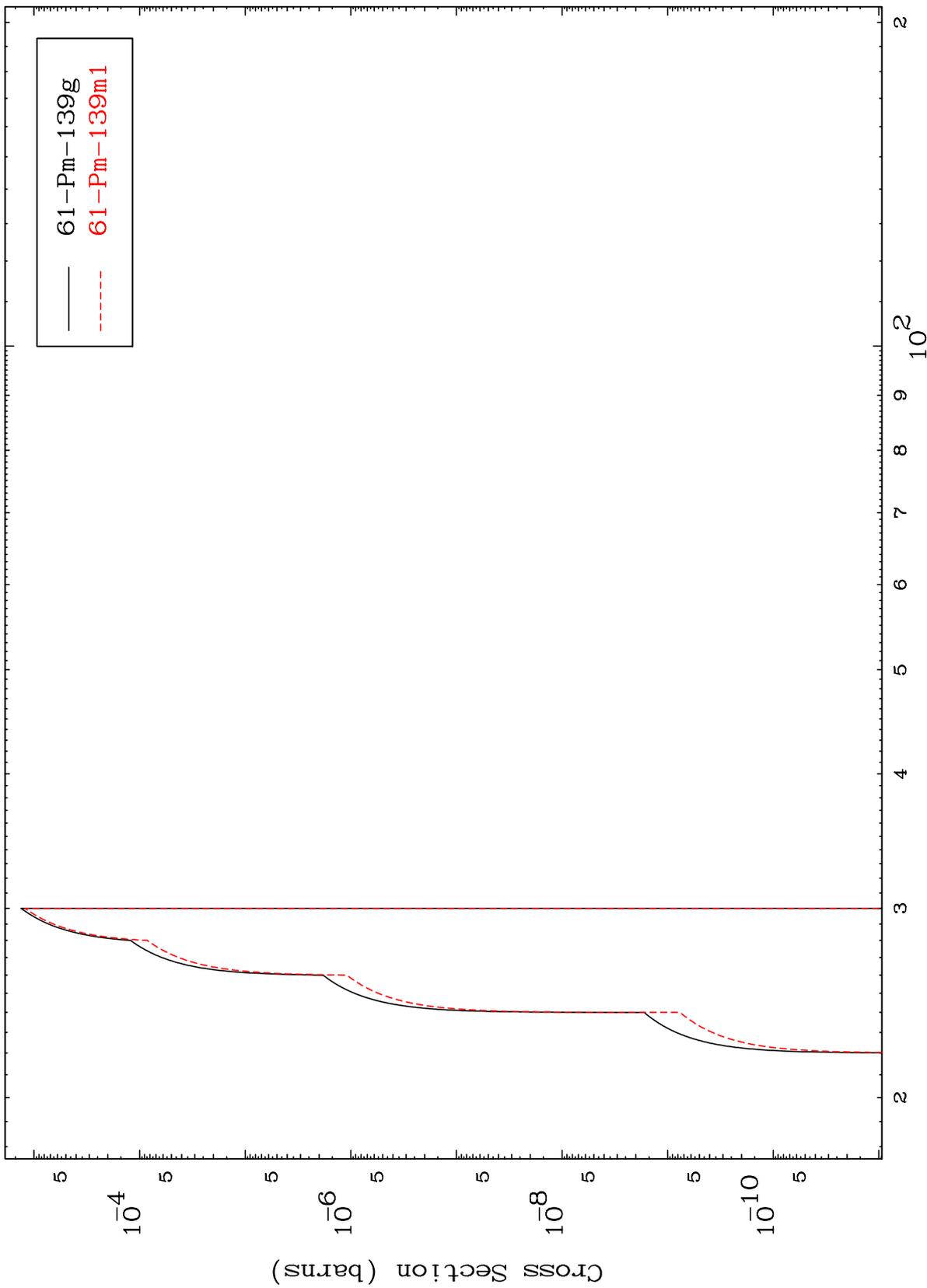
Incident Energy (MeV)

61-Pm-138

Radionuclide Production Cross Section



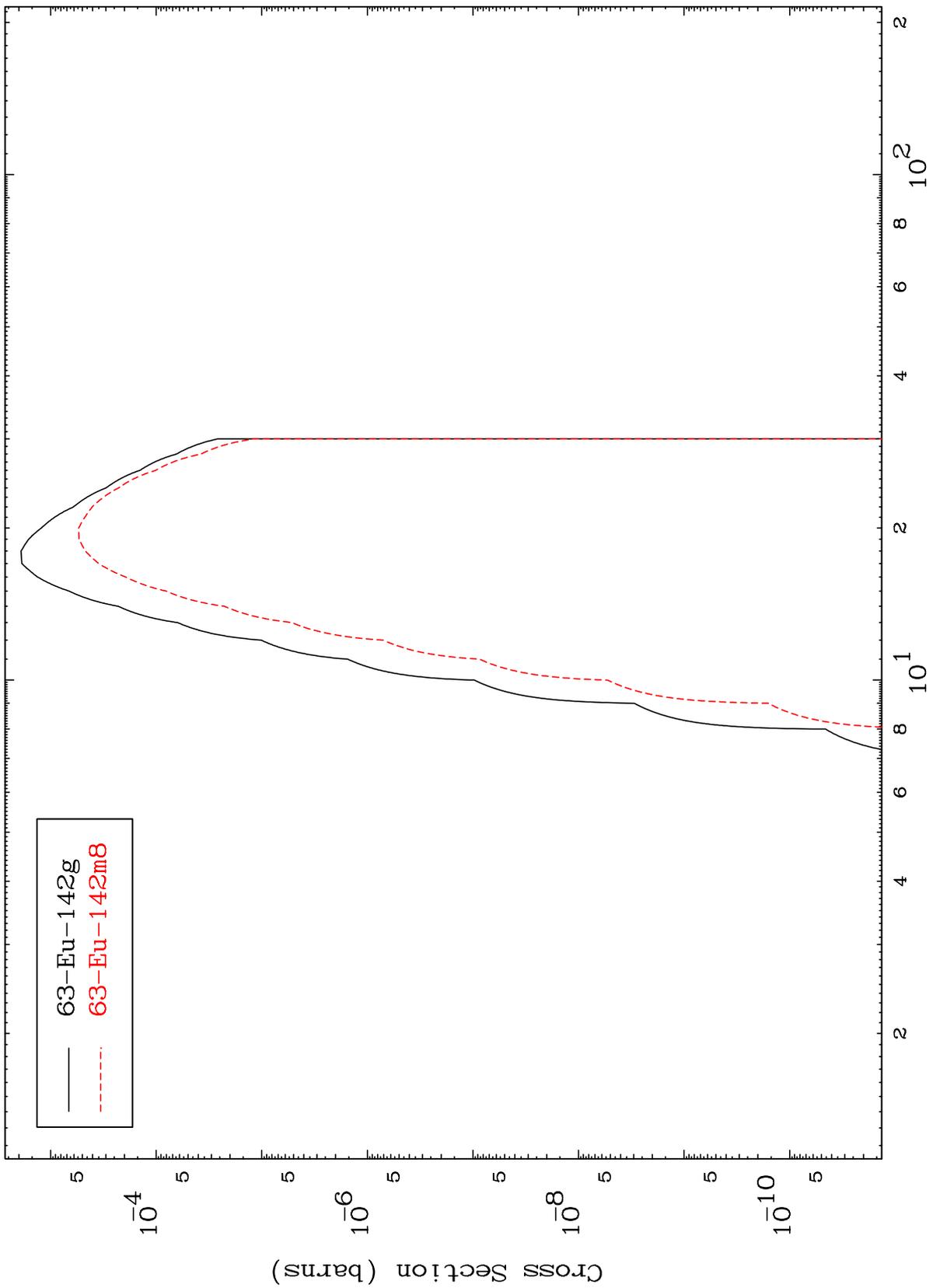
Radionuclide Production Cross Section



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61-Pm-138

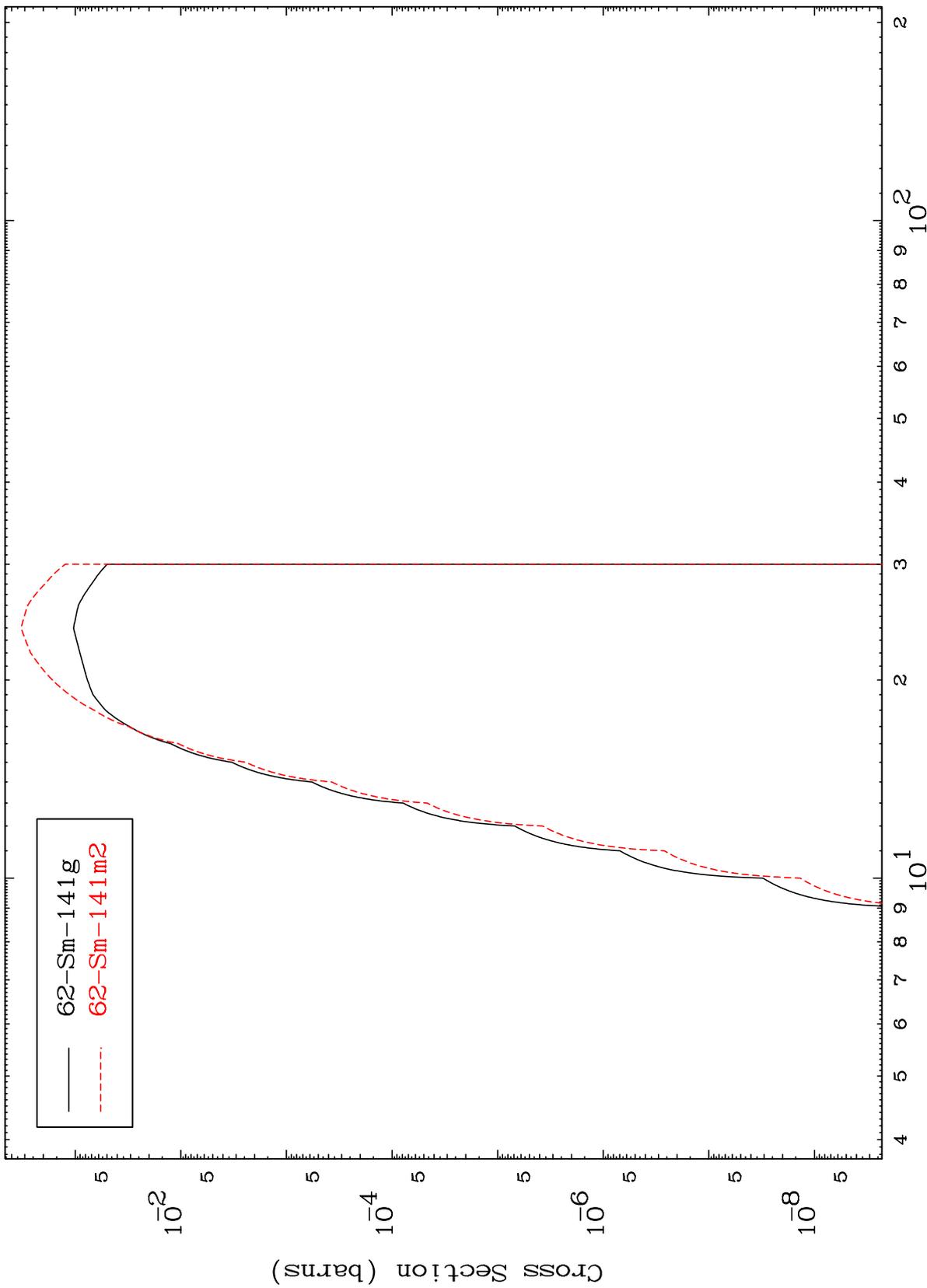
(n,γ)
Radionuclide Production Cross Section



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61-Pm-138

(n,p)
Radionuclide Production Cross Section

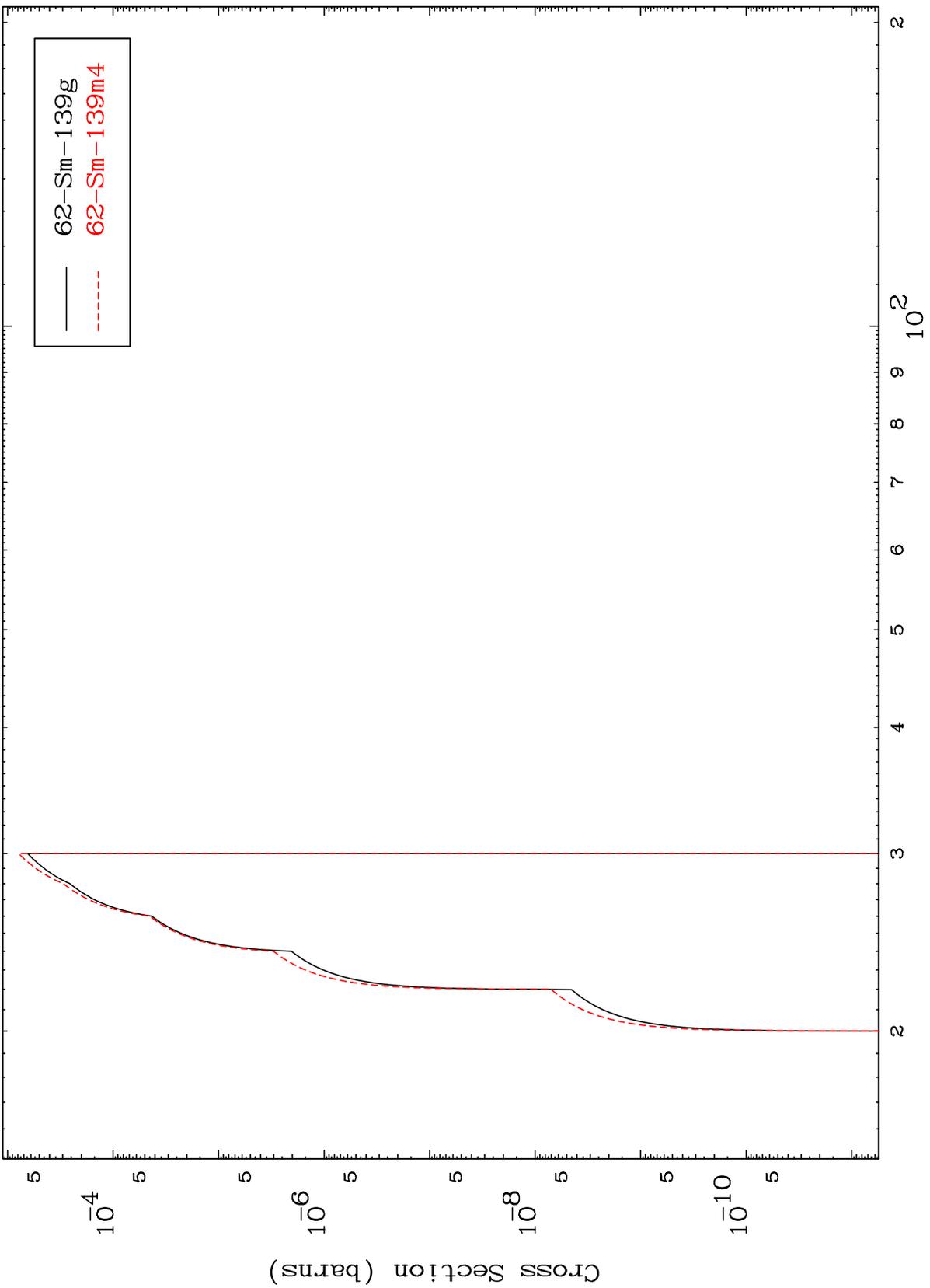


18

Incident Energy (MeV)

61-Pm-138

(n,t)
Radionuclide Production Cross Section

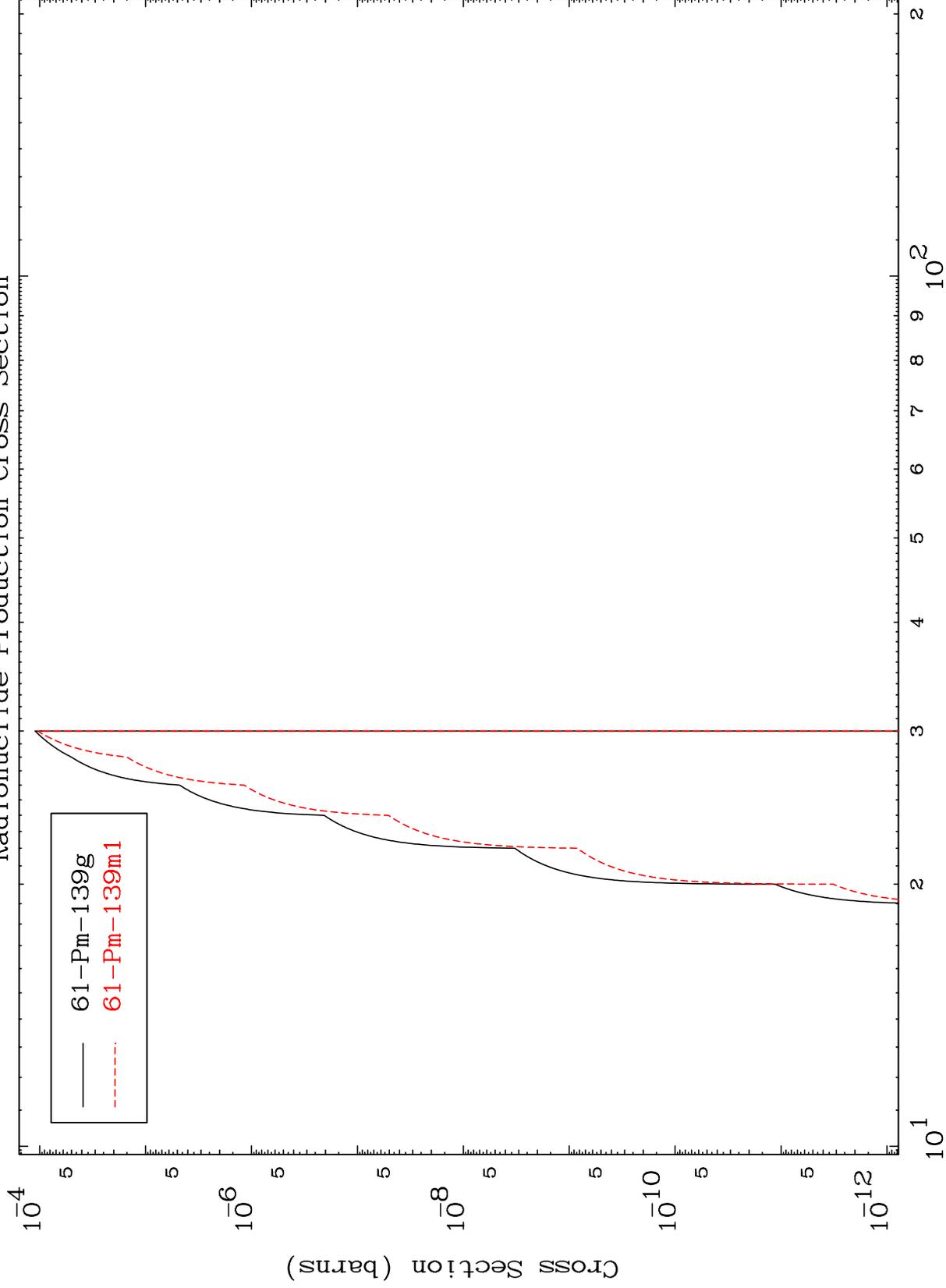


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(n,He-3)

61-Pm-138

Radionuclide Production Cross Section



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

Incident Energy (MeV)

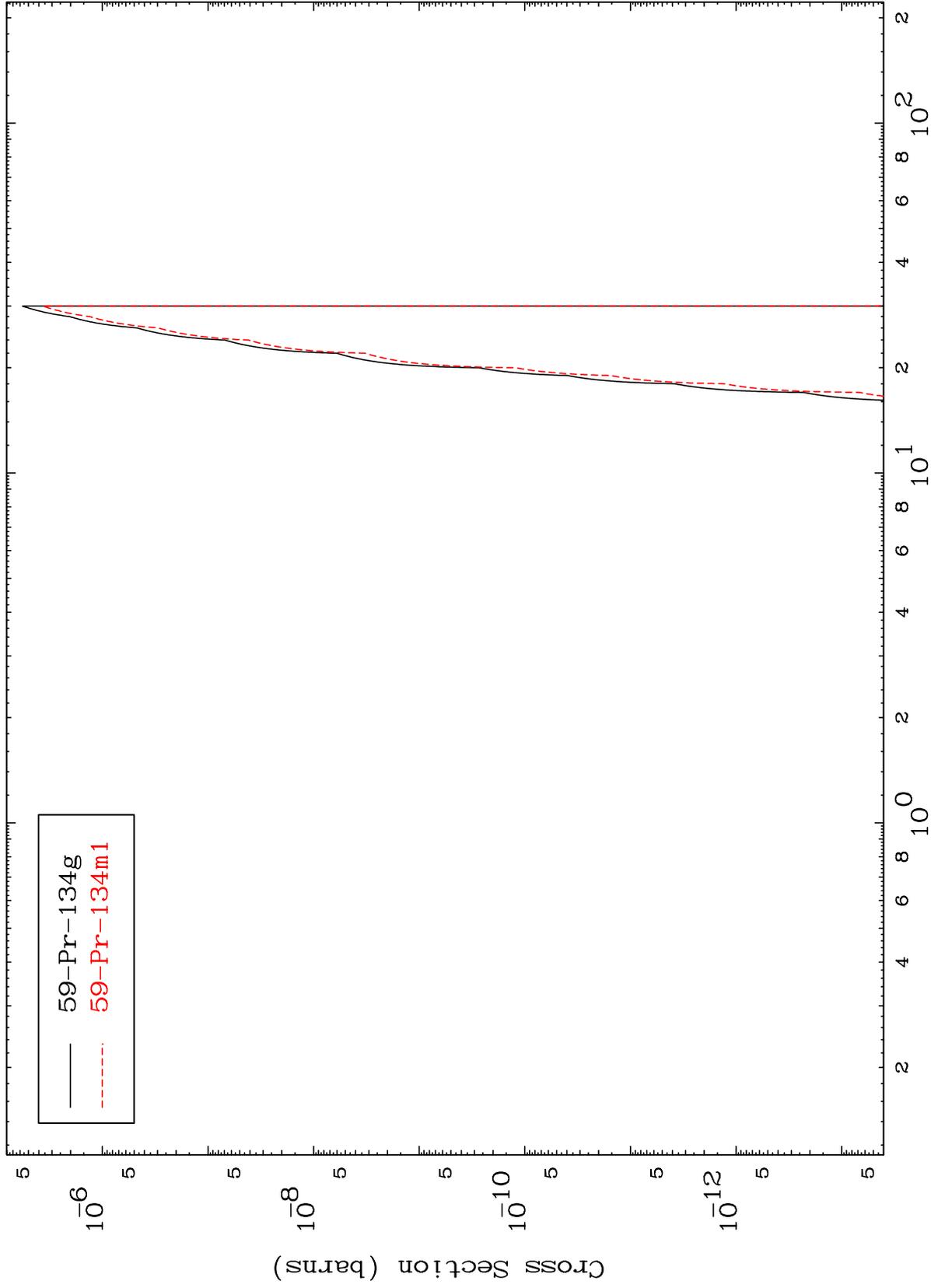
61-Pm-138

MAT 6122

(n,2α)

61-Pm-138

Radionuclide Production Cross Section

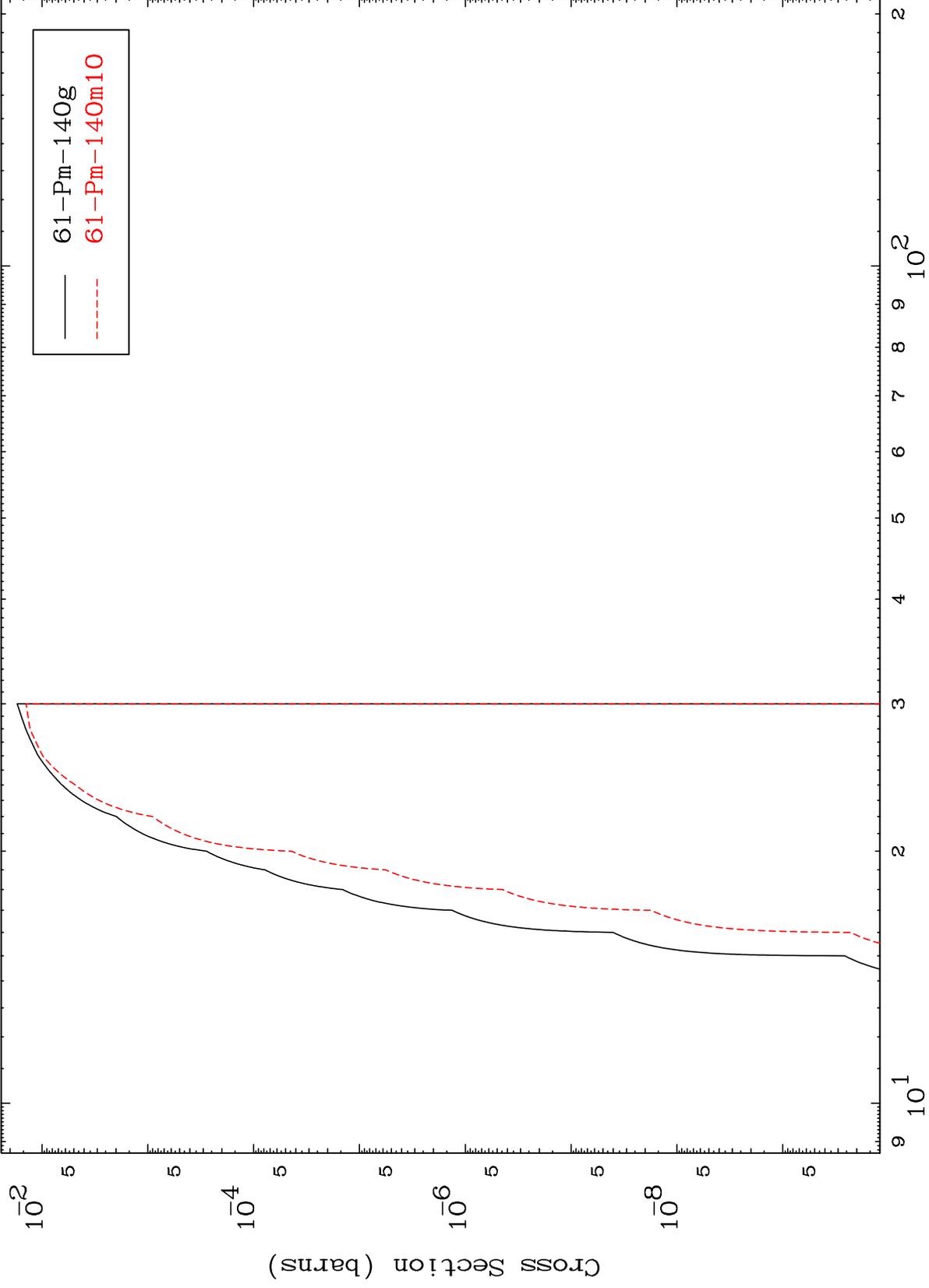


59-Pr-134g
59-Pr-134m1

MAT 6122

61-Pm-138

(n,2p)
Radionuclide Production Cross Section



22

Incident Energy (MeV)

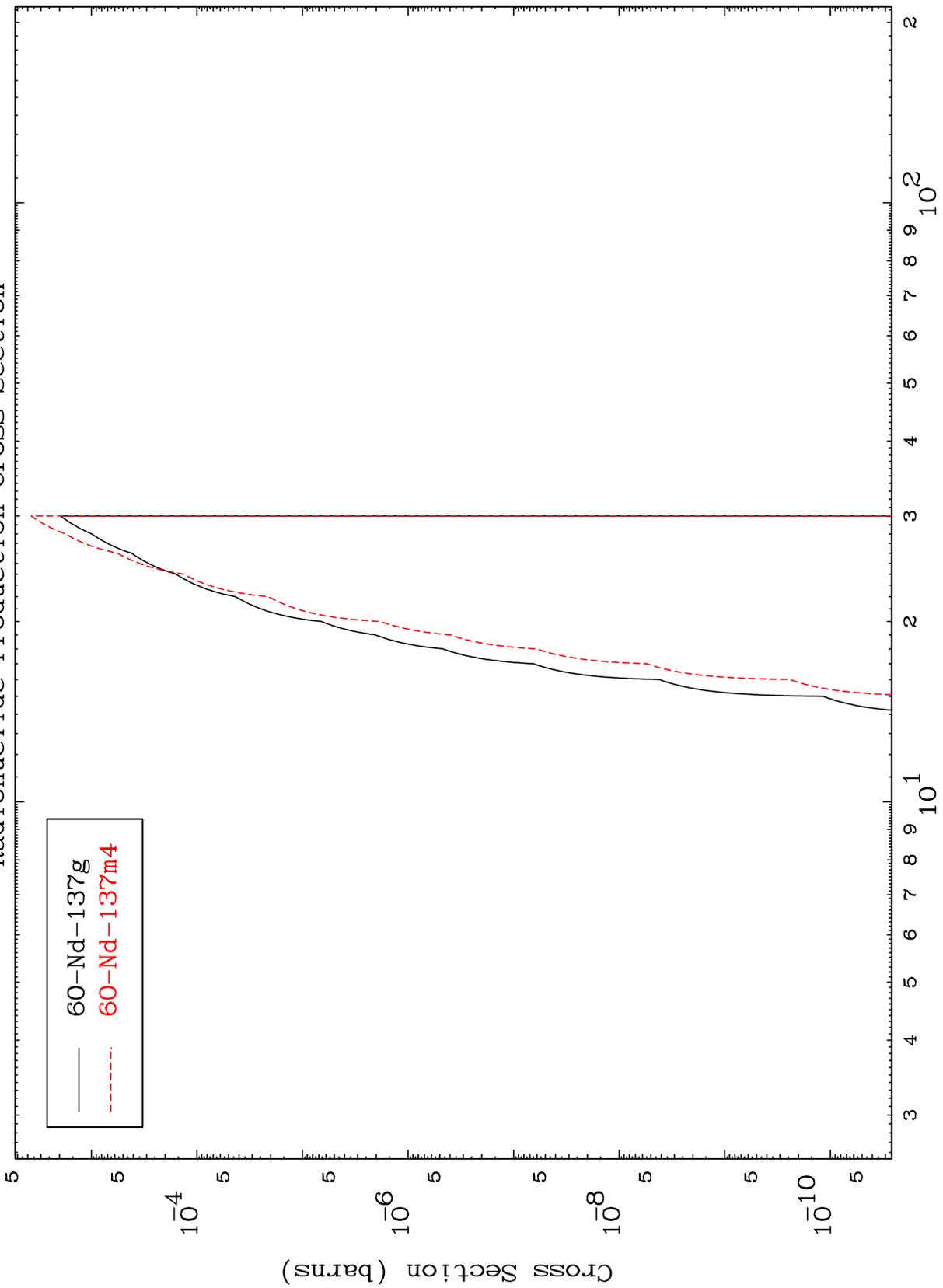
61-Pm-138

MAT 6122

(n,p) α

61-Pm-138

Radionuclide Production Cross Section



23

Incident Energy (MeV)

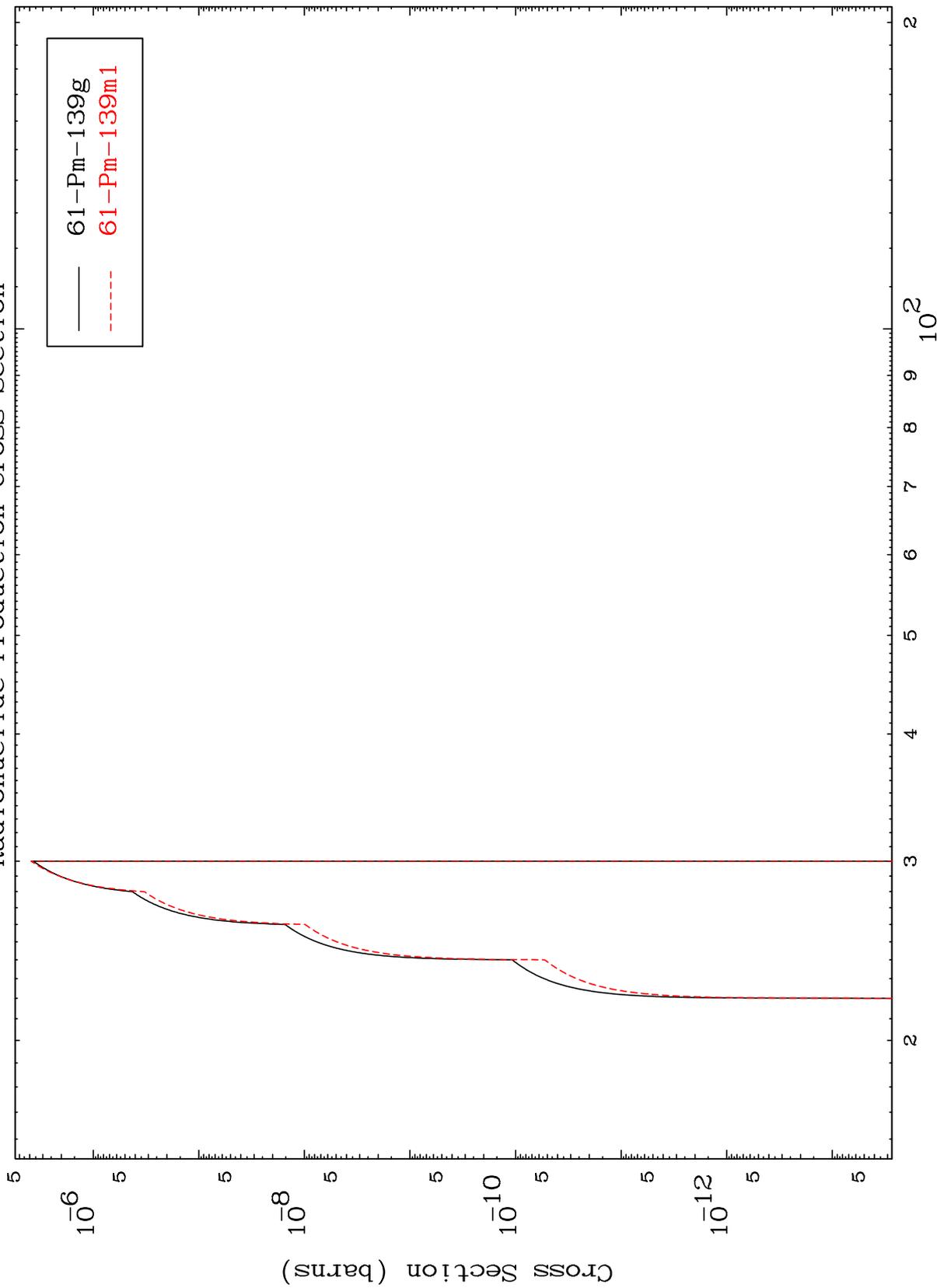
61-Pm-138

MAT 6122

(n,p) d

61-Pm-138

Radionuclide Production Cross Section



24

Incident Energy (MeV)

61-Pm-138