

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

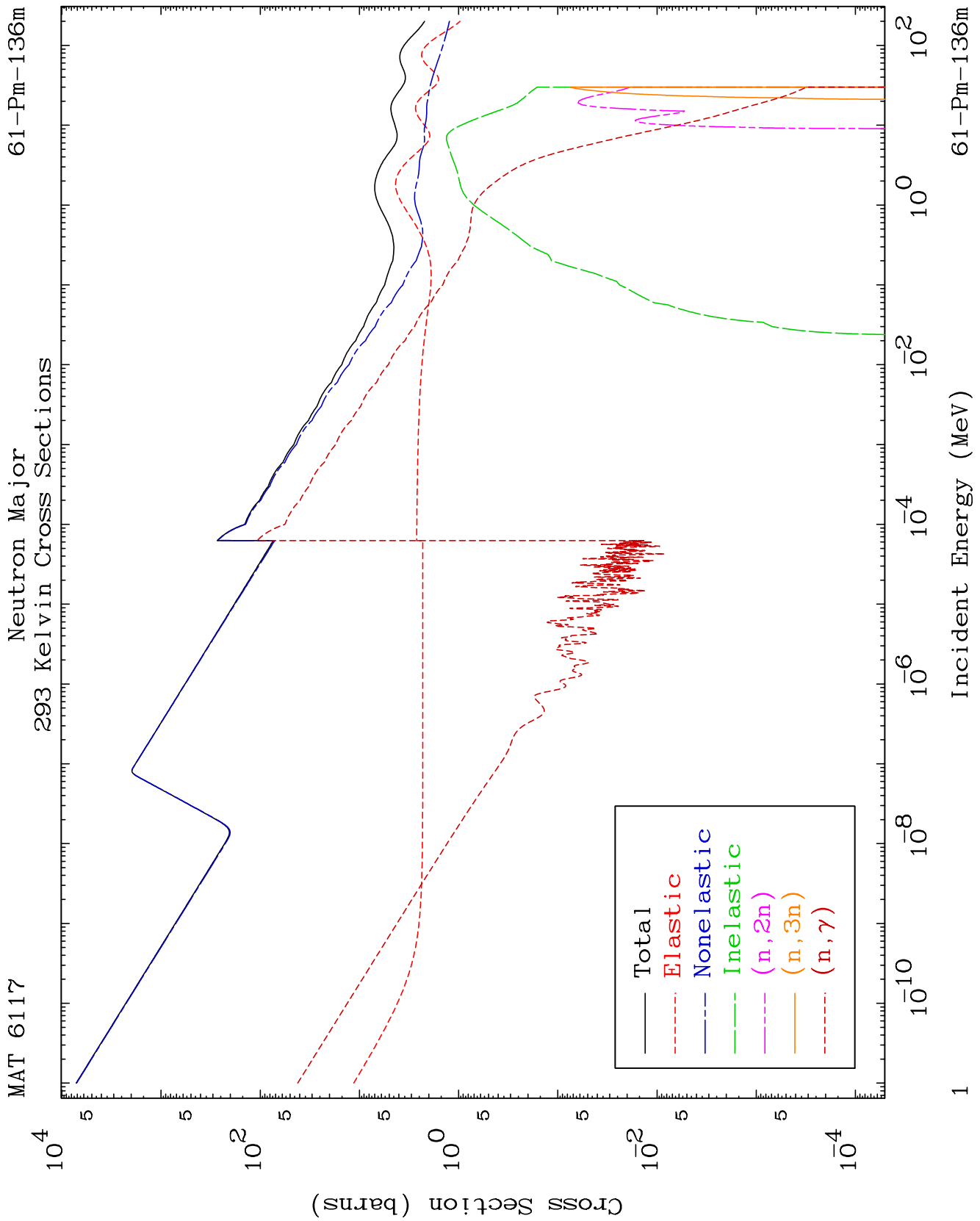
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Web:redcullen1.net/HOMEPAGE.NEW

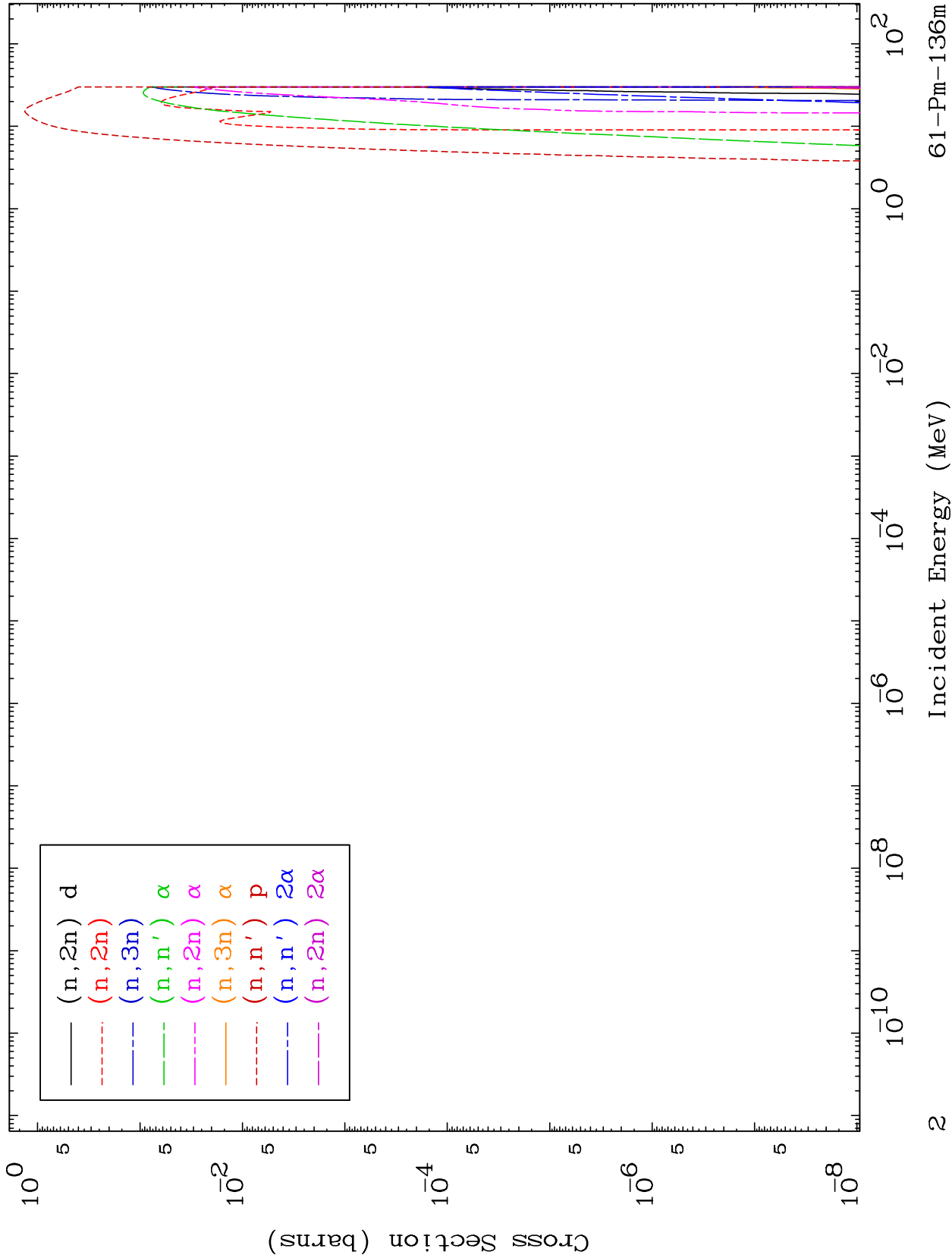
Press Mouse Button to Start



MAT 6117

Neutron Absorption  
293 Kelvin Cross Sections

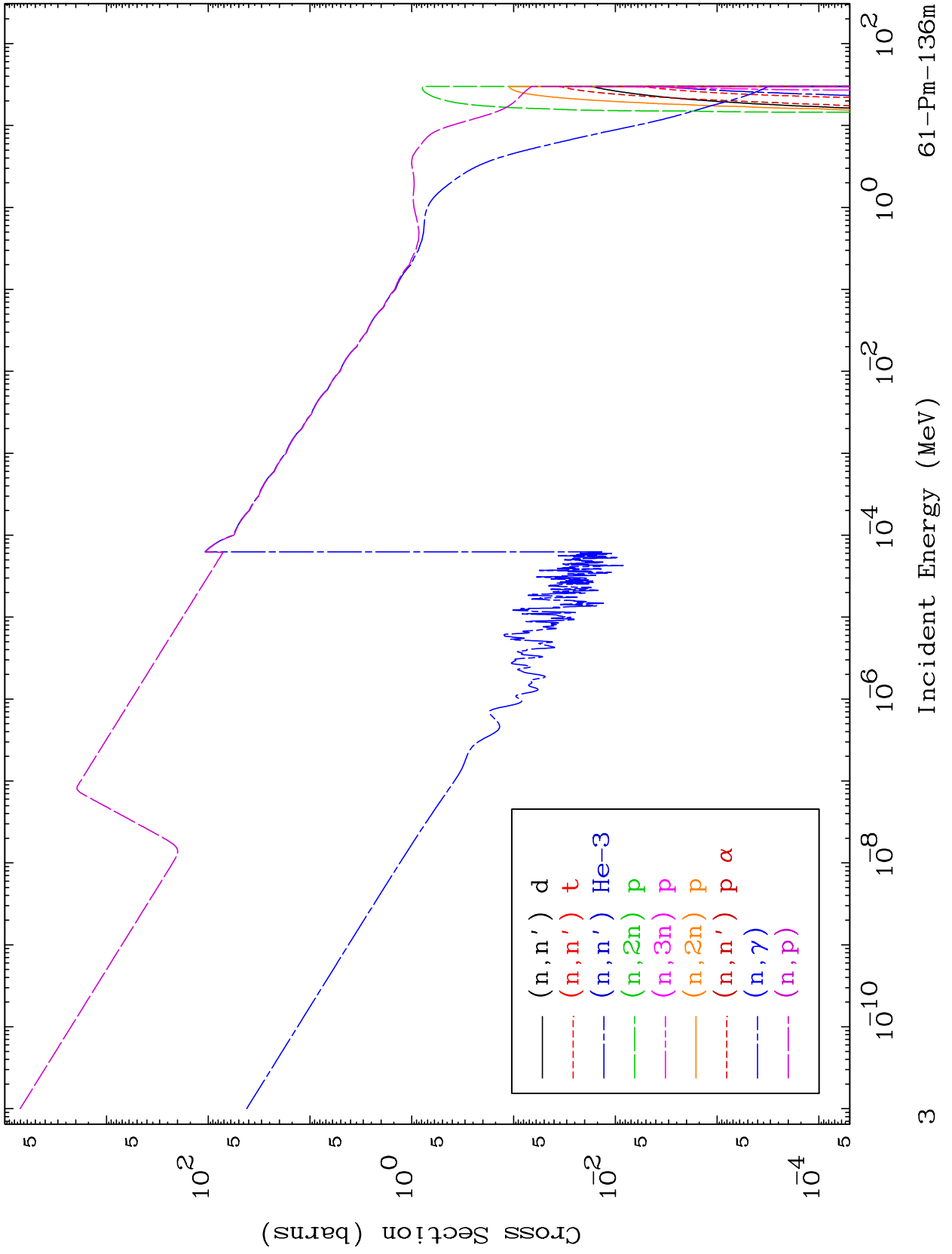
61-Pm-136m



MAT 6117

Neutron Absorption  
293 Kelvin Cross Sections

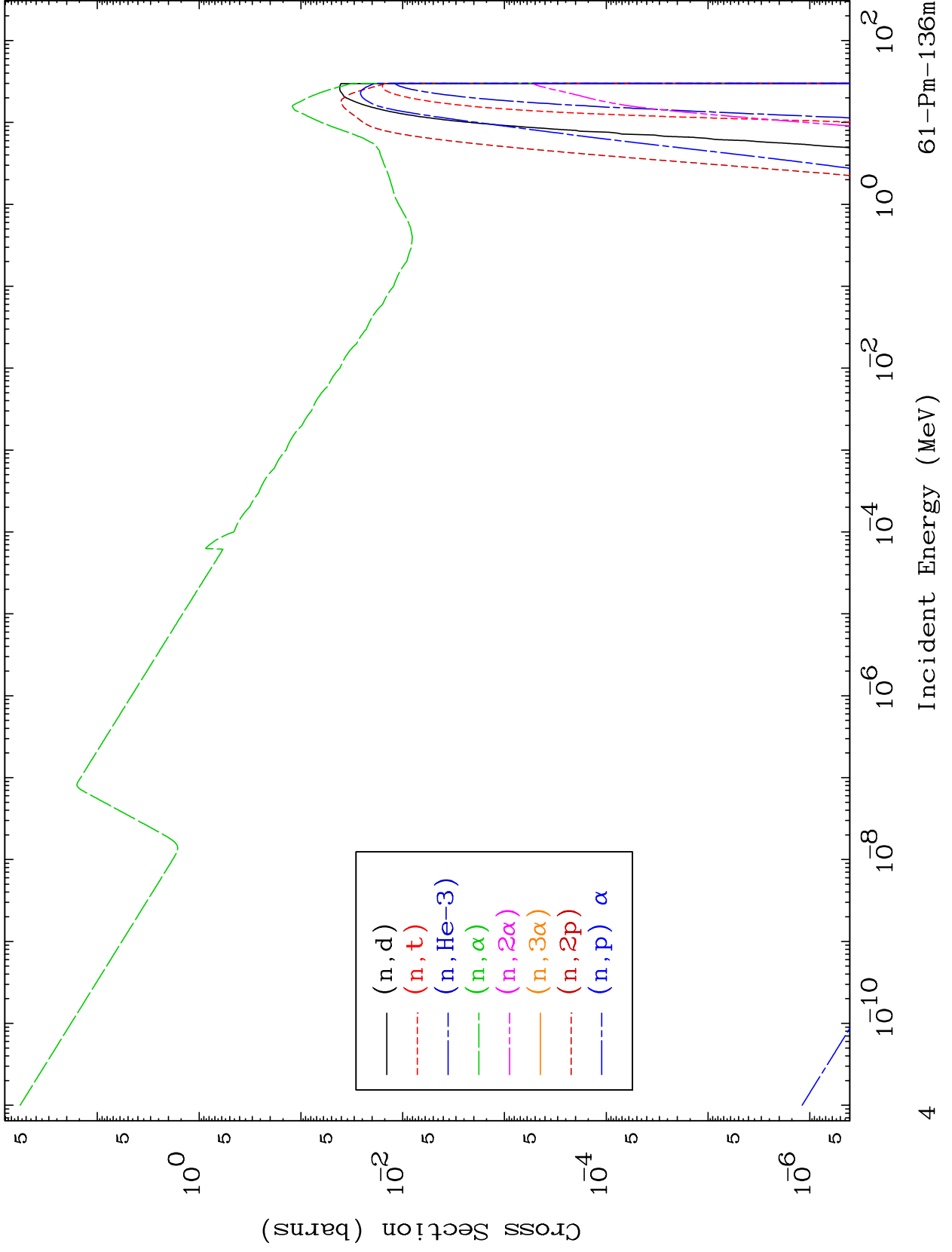
61-Pm-136m



MAT 6117

Neutron Absorption  
293 Kelvin Cross Sections

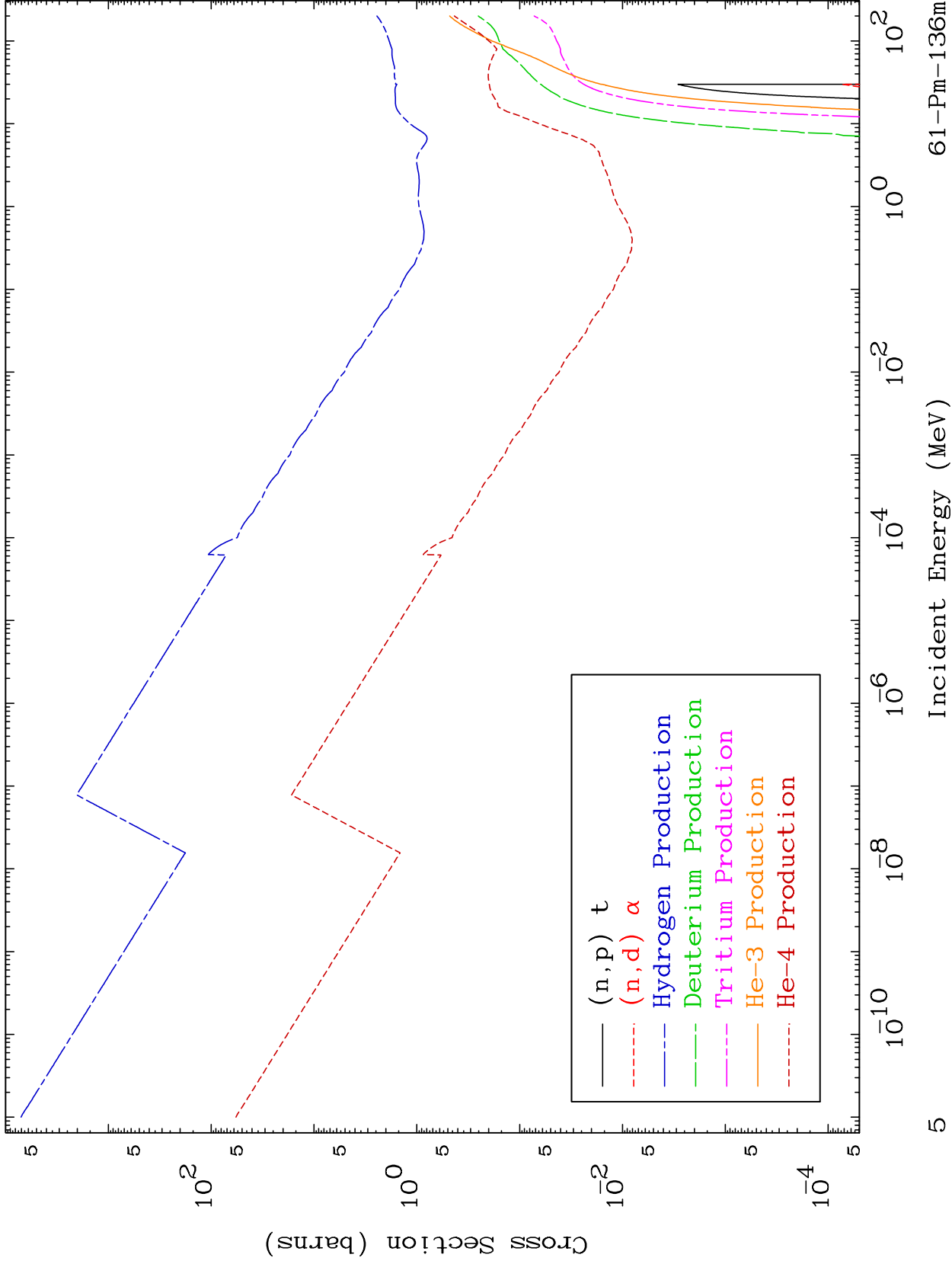
61-Pm-136m



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Neutron Absorption  
293 Kelvin Cross Sections

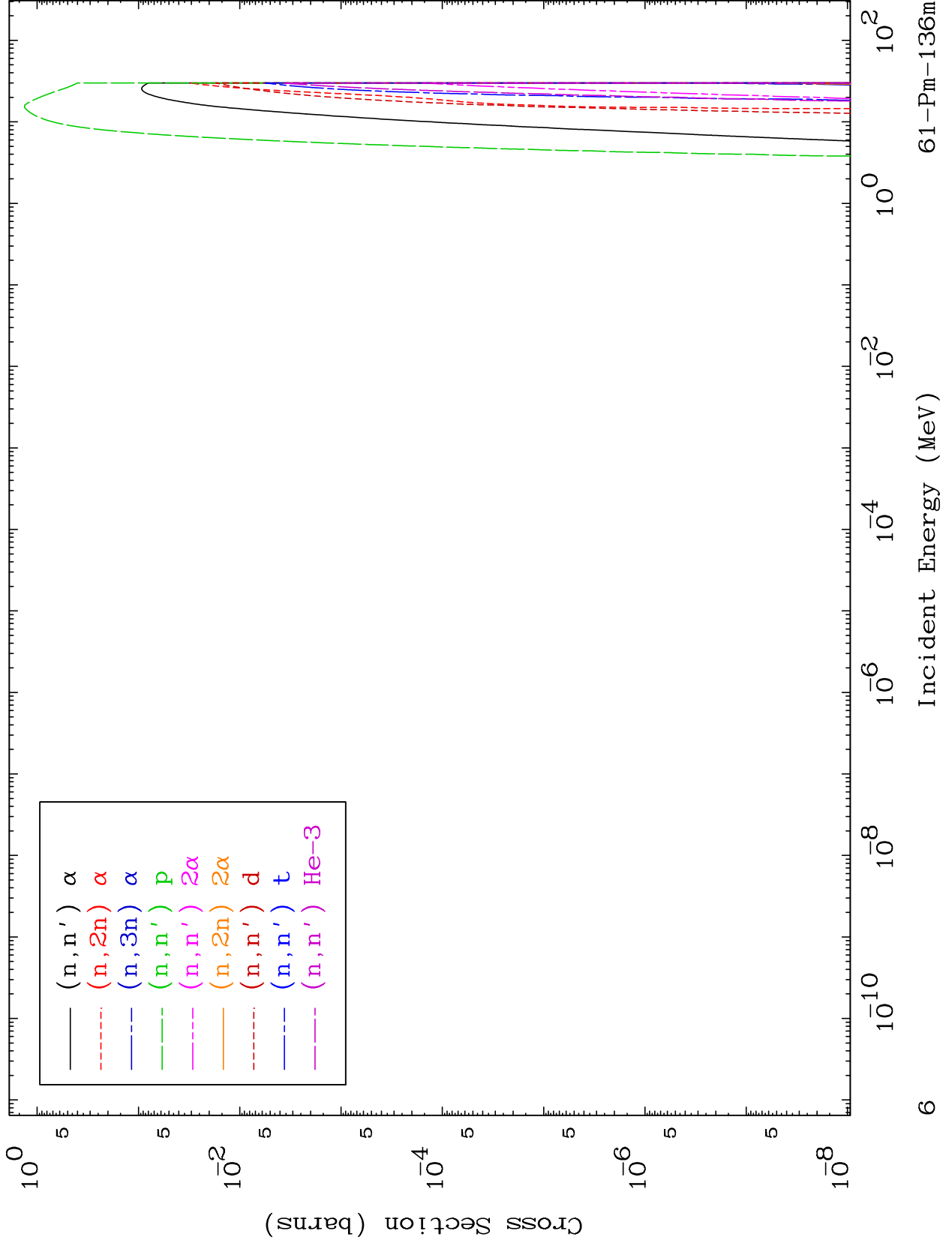
61-Pm-136m



MAT 6117

Charged Particle  
293 Kelvin Cross Sections

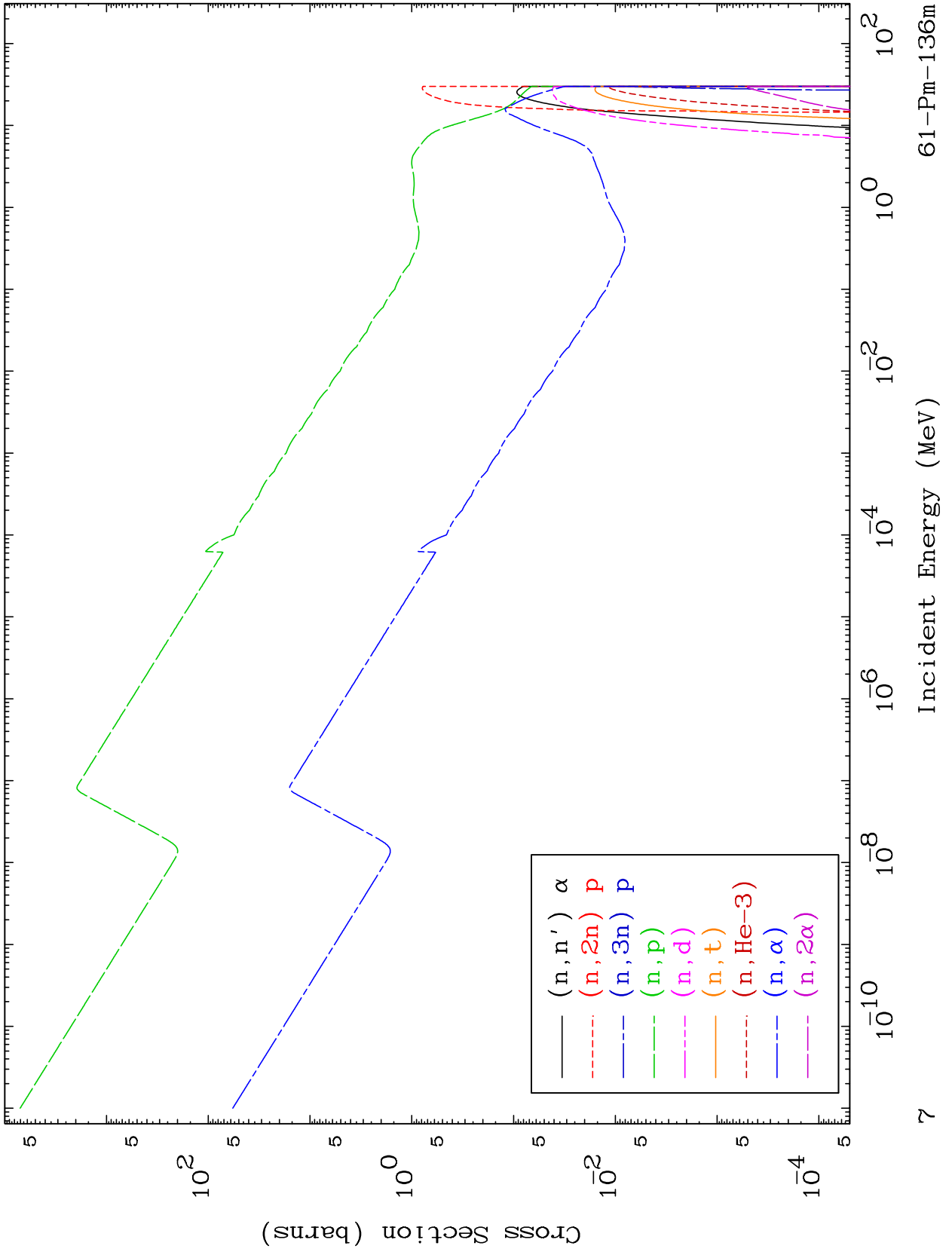
61-Pm-136m



MAT 6117

Charged Particle  
293 Kelvin Cross Sections

61-Pm-136m

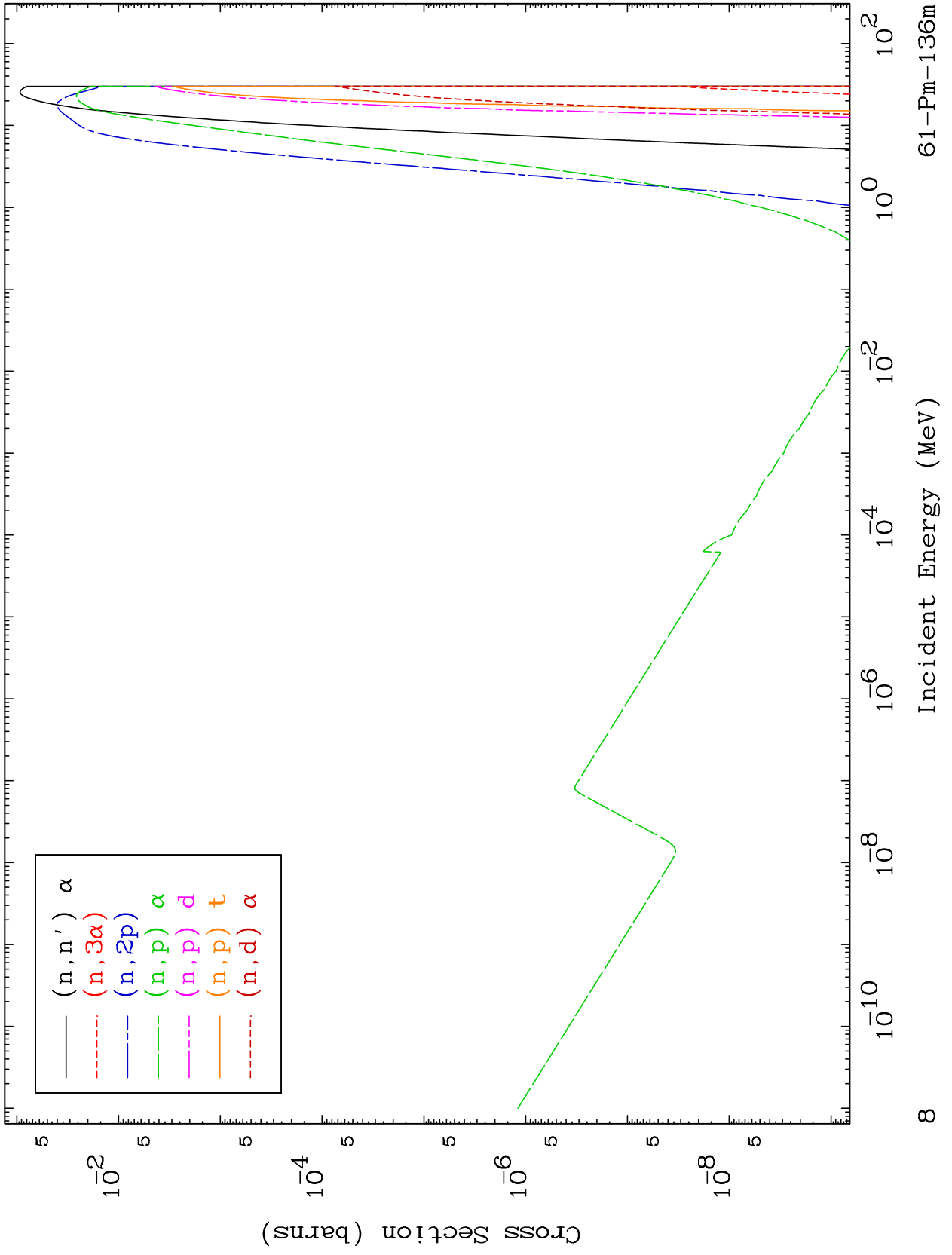




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Charged Particle  
293 Kelvin Cross Sections

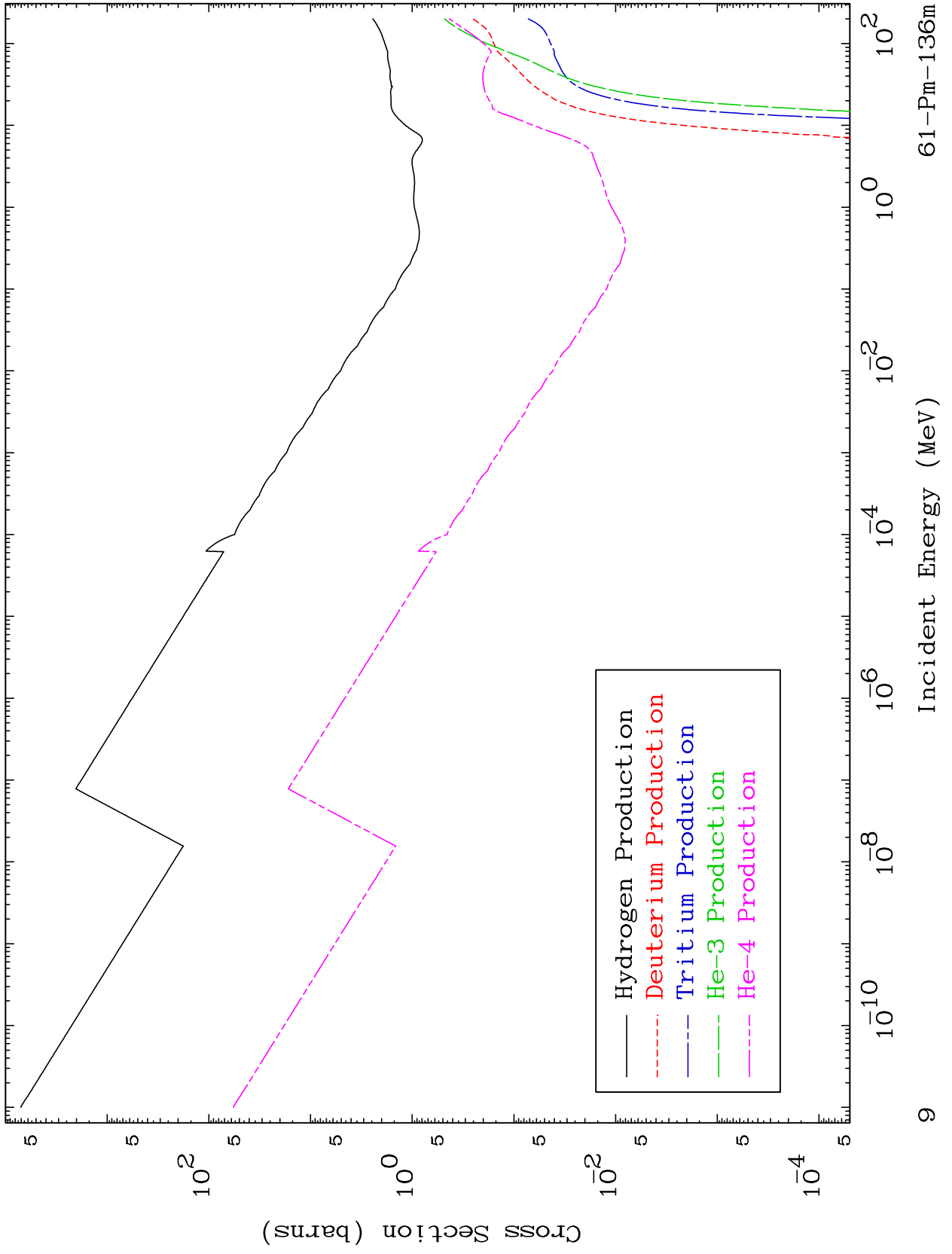
61-Pm-136m



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Particle Production  
293 Kelvin Cross Sections

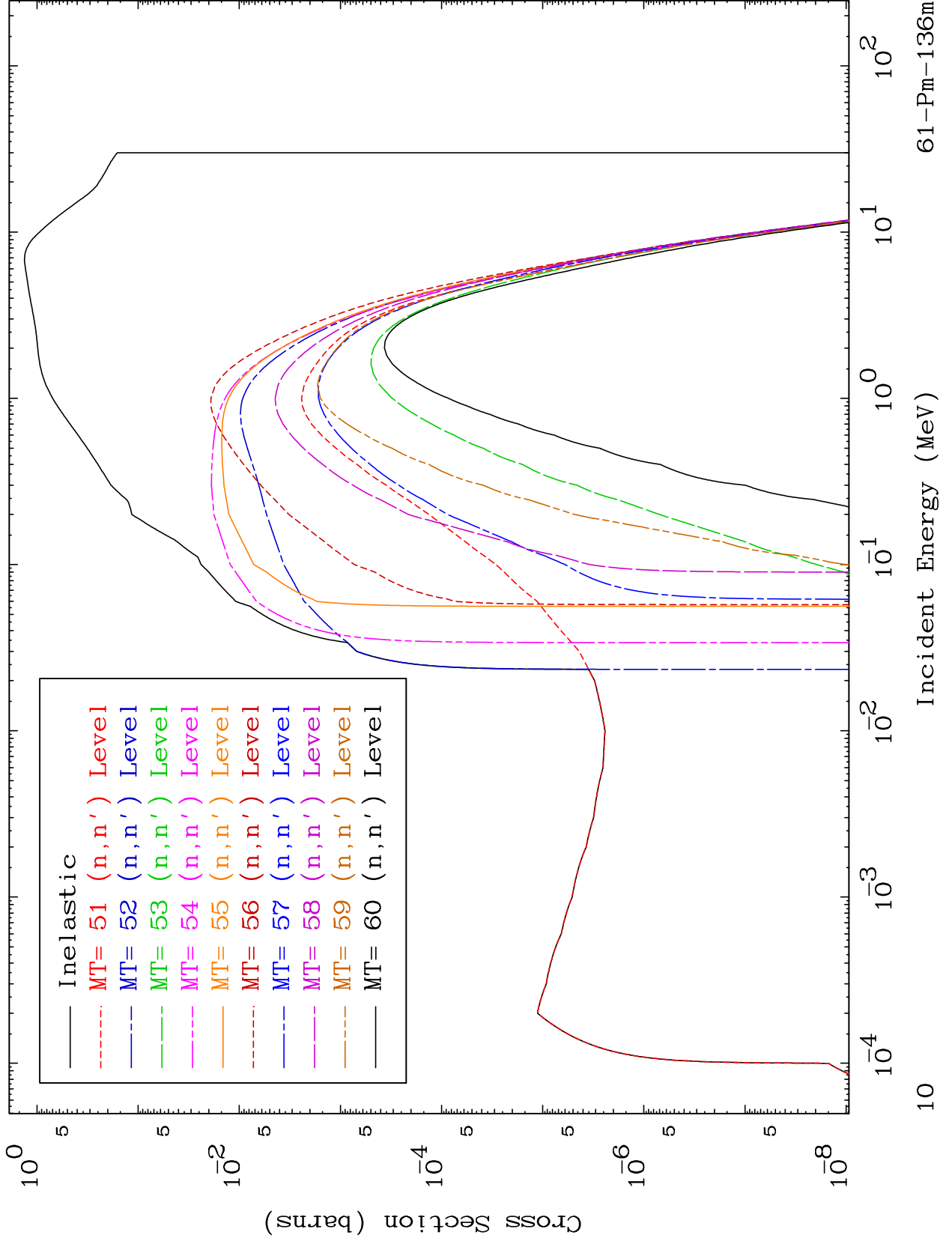
61-Pm-136m



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(n,n') Levels  
293 Kelvin Cross Sections

61-Pm-136m



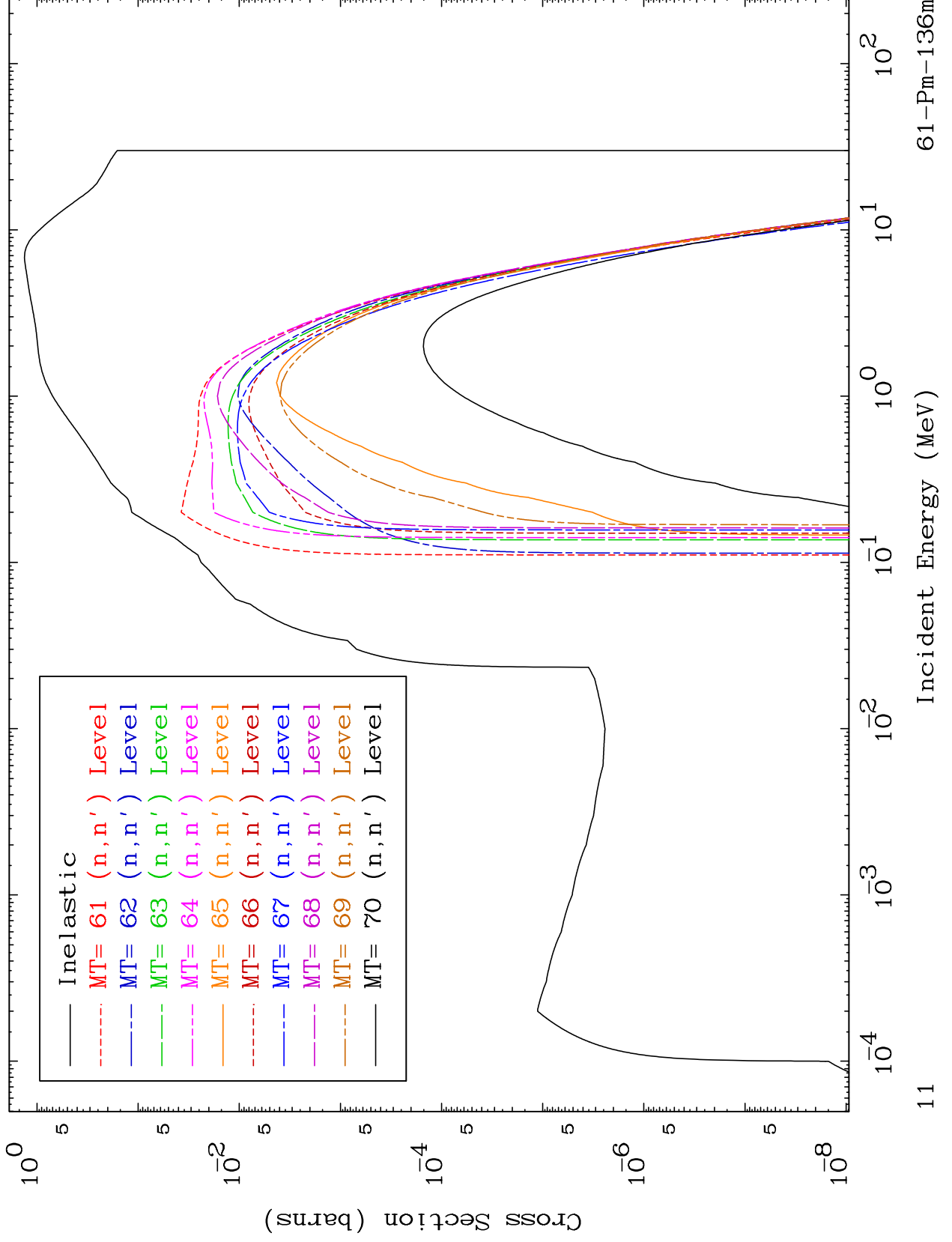
61-Pm-136m

Incident Energy (MeV)

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(n,n') Levels  
293 Kelvin Cross Sections

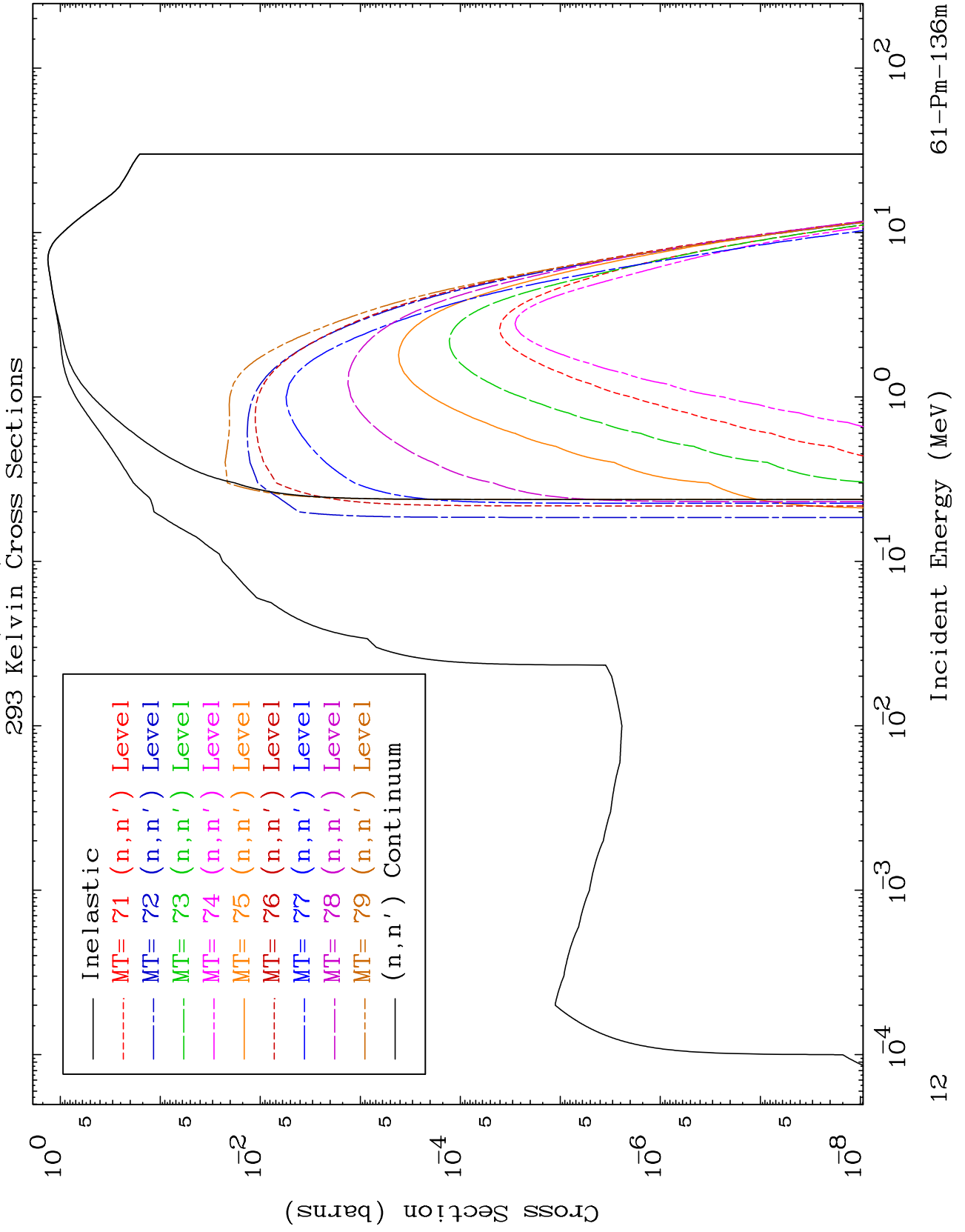
61-Pm-136m



MAT 6117

(n,n') Levels

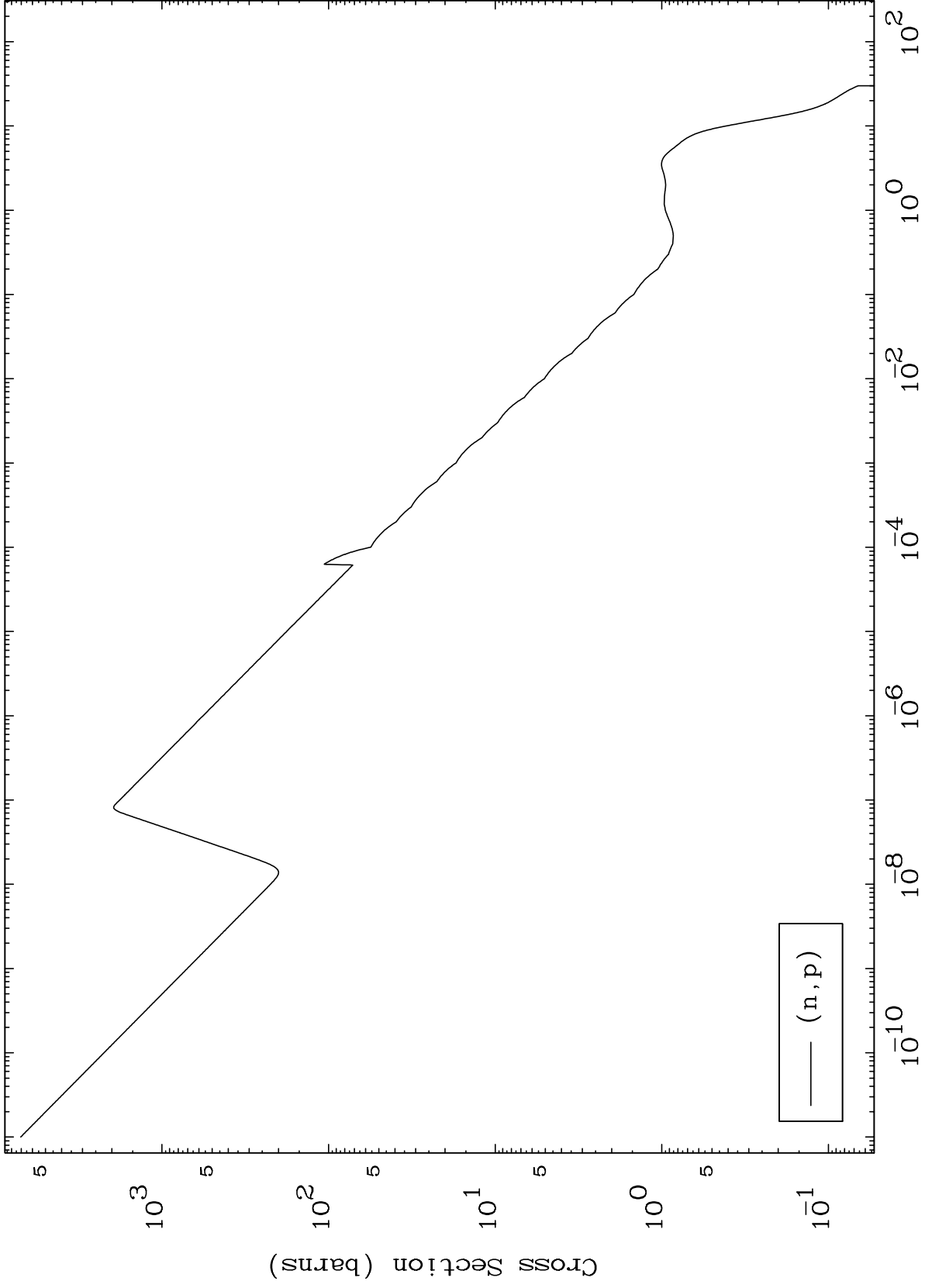
61-Pm-136m



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(n,p) Levels  
293 Kelvin Cross Sections

61-Pm-136m



13

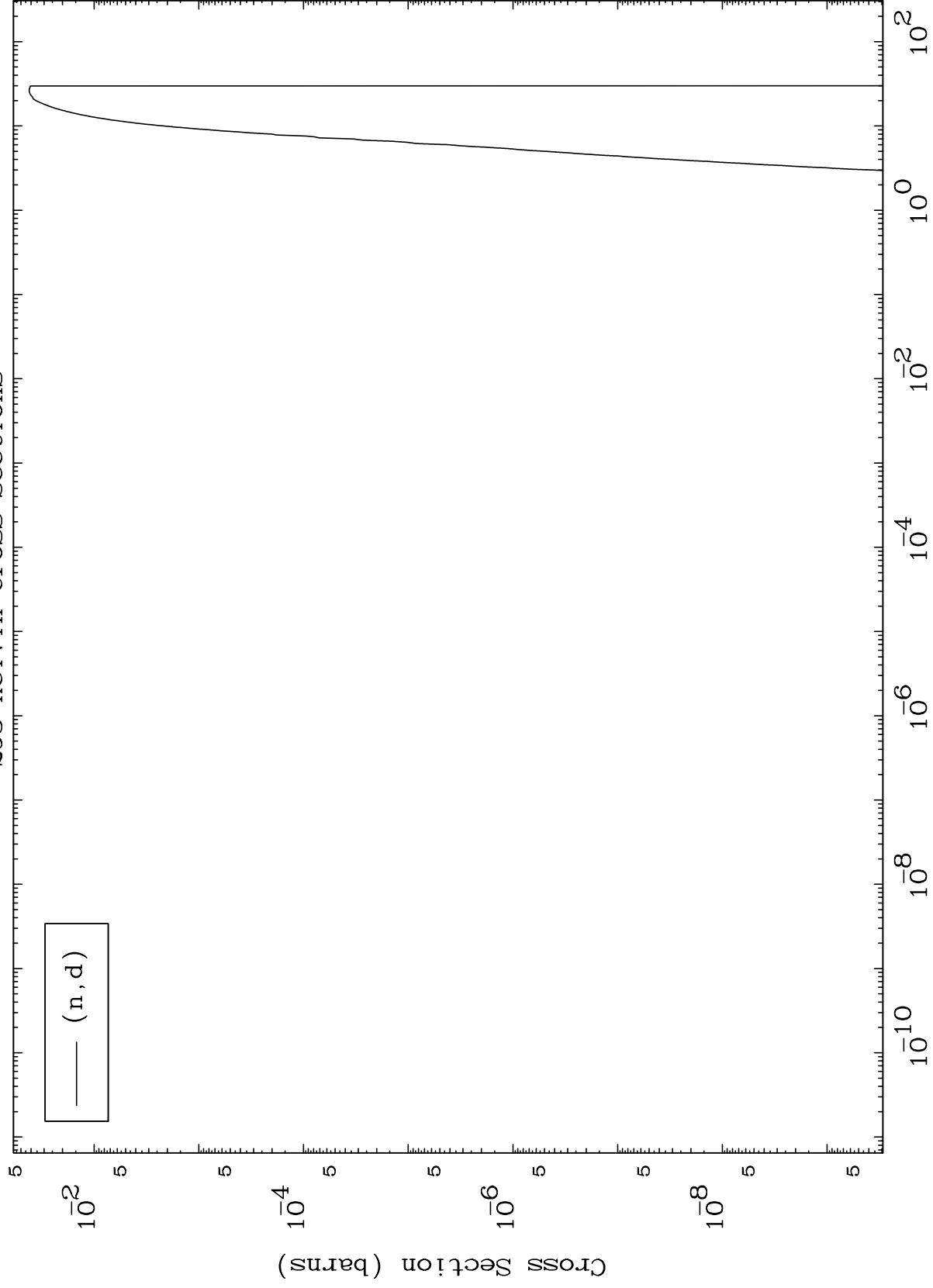
Incident Energy (MeV)

61-Pm-136m

MAT 6117

(n,d) Levels  
293 Kelvin Cross Sections

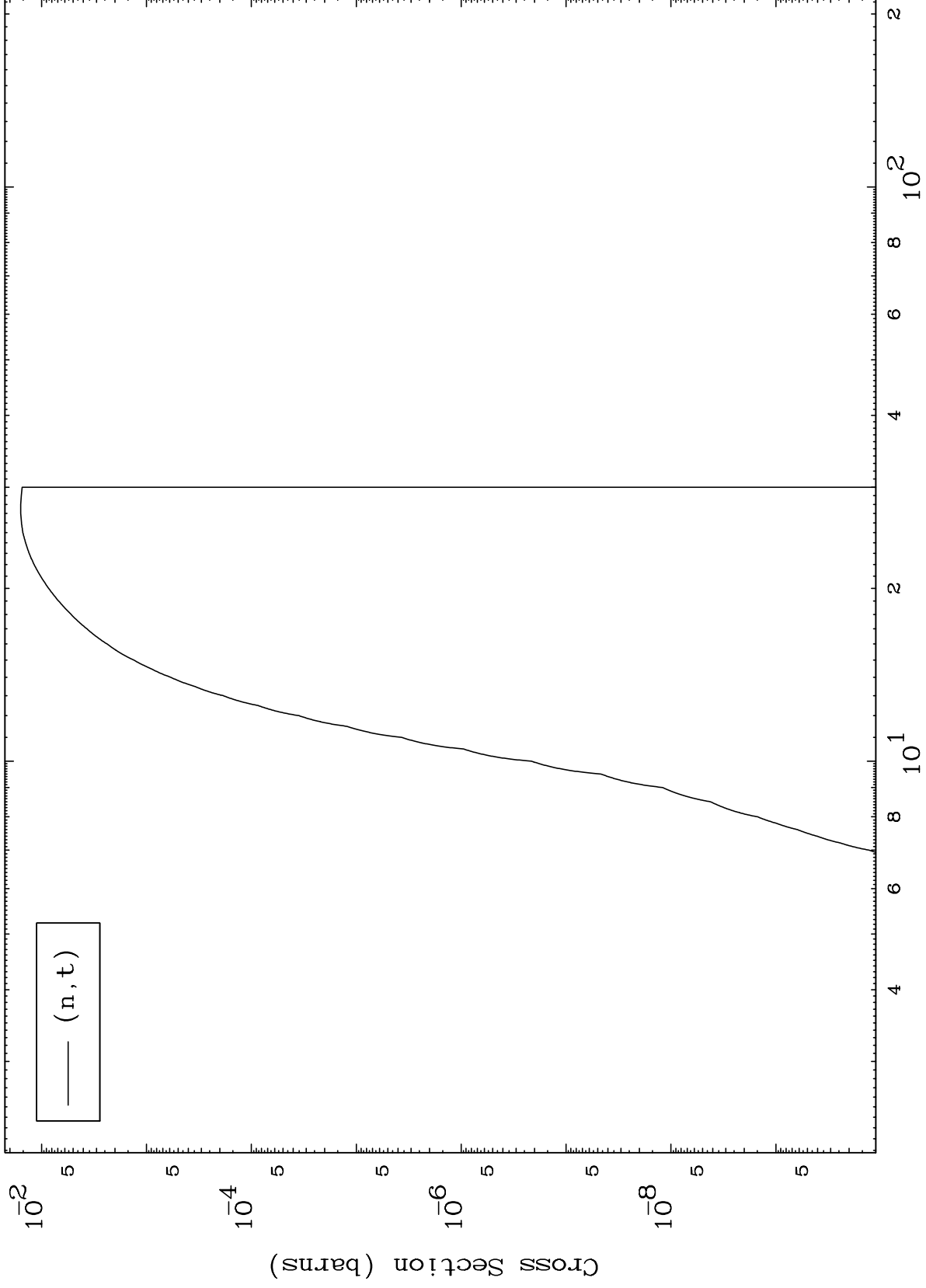
61-Pm-136m



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(n,t) Levels  
293 Kelvin Cross Sections

61-Pm-136m



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Incident Energy (MeV)

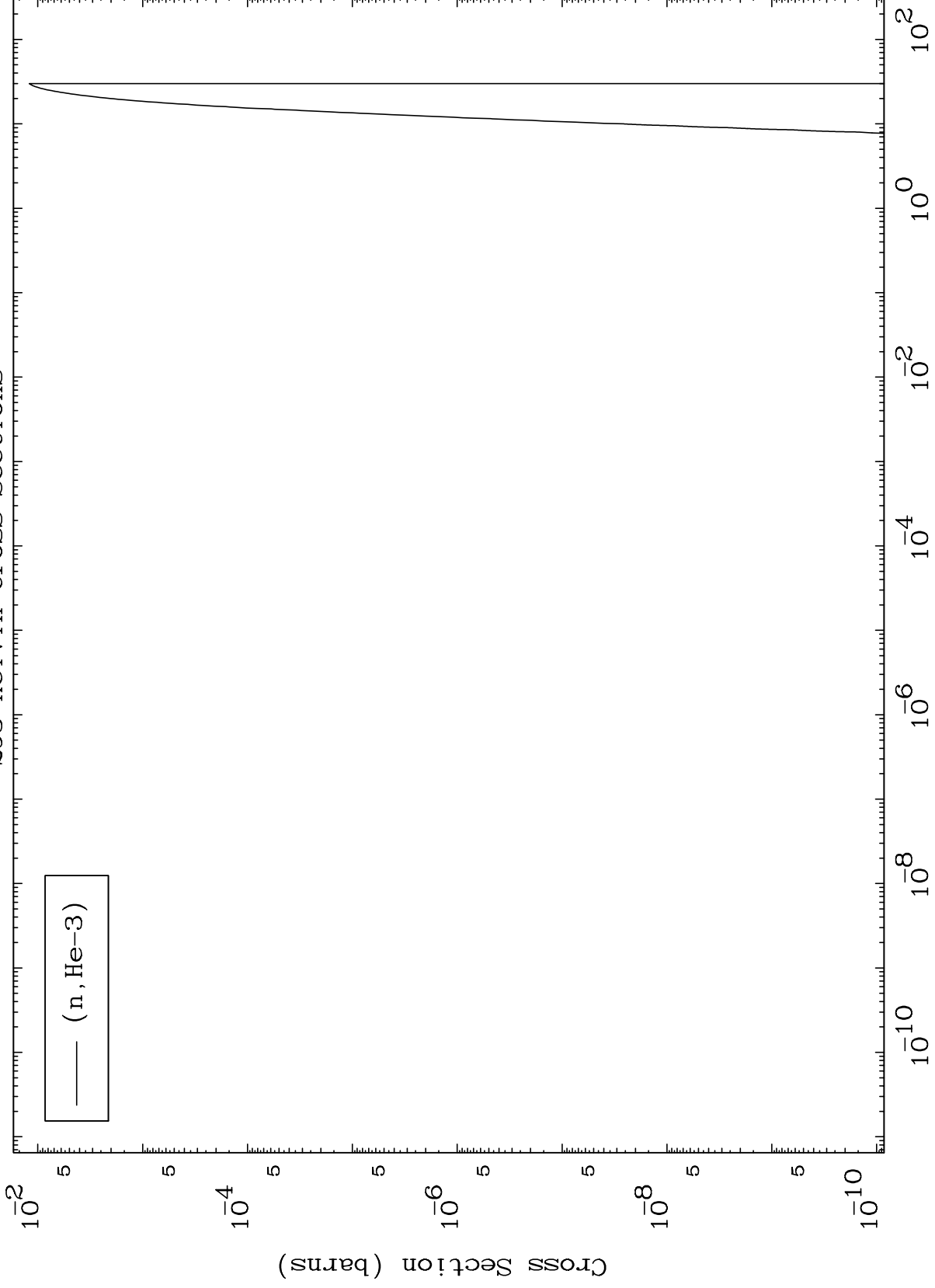
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MAT 6117

(n,He3) Levels  
293 Kelvin Cross Sections

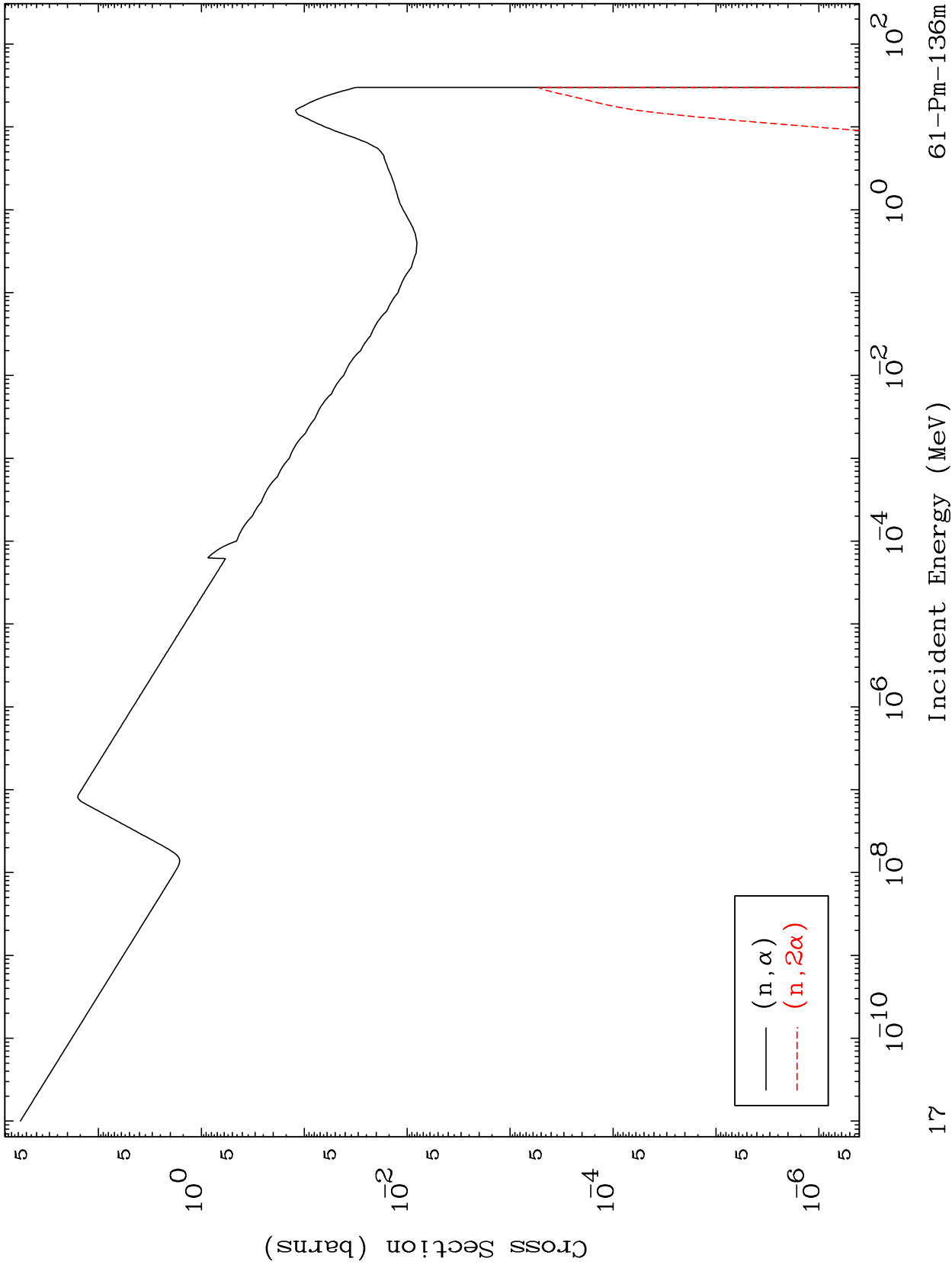
61-Pm-136m



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(n,α) Levels  
293 Kelvin Cross Sections

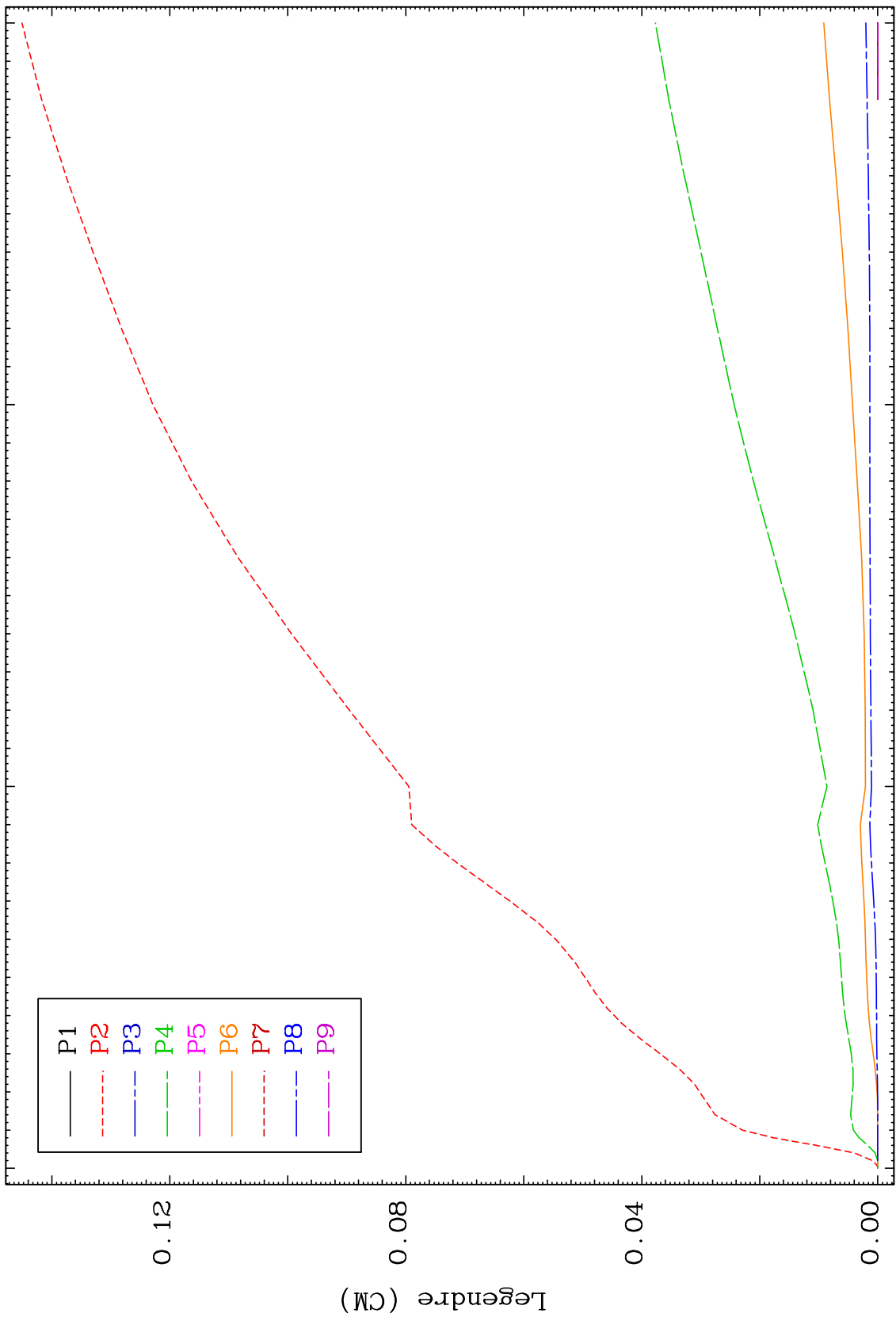
61-Pm-136m



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Elastic Legendre Coefficients

61-Pm-136m



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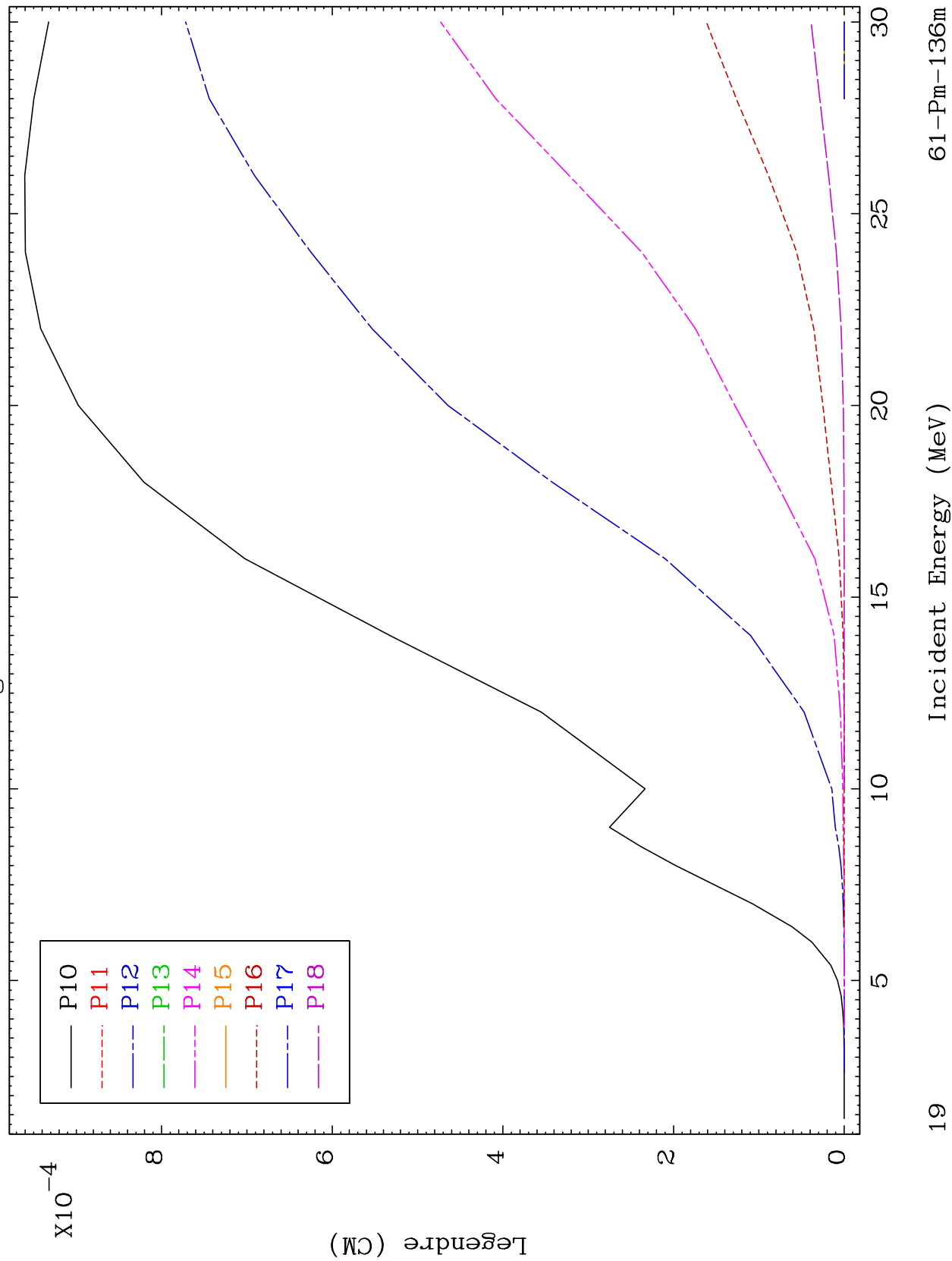
Incident Energy (MeV)

61-Pm-136m

MAT 6117

Elastic Legendre Coefficients

61-Pm-136m



19

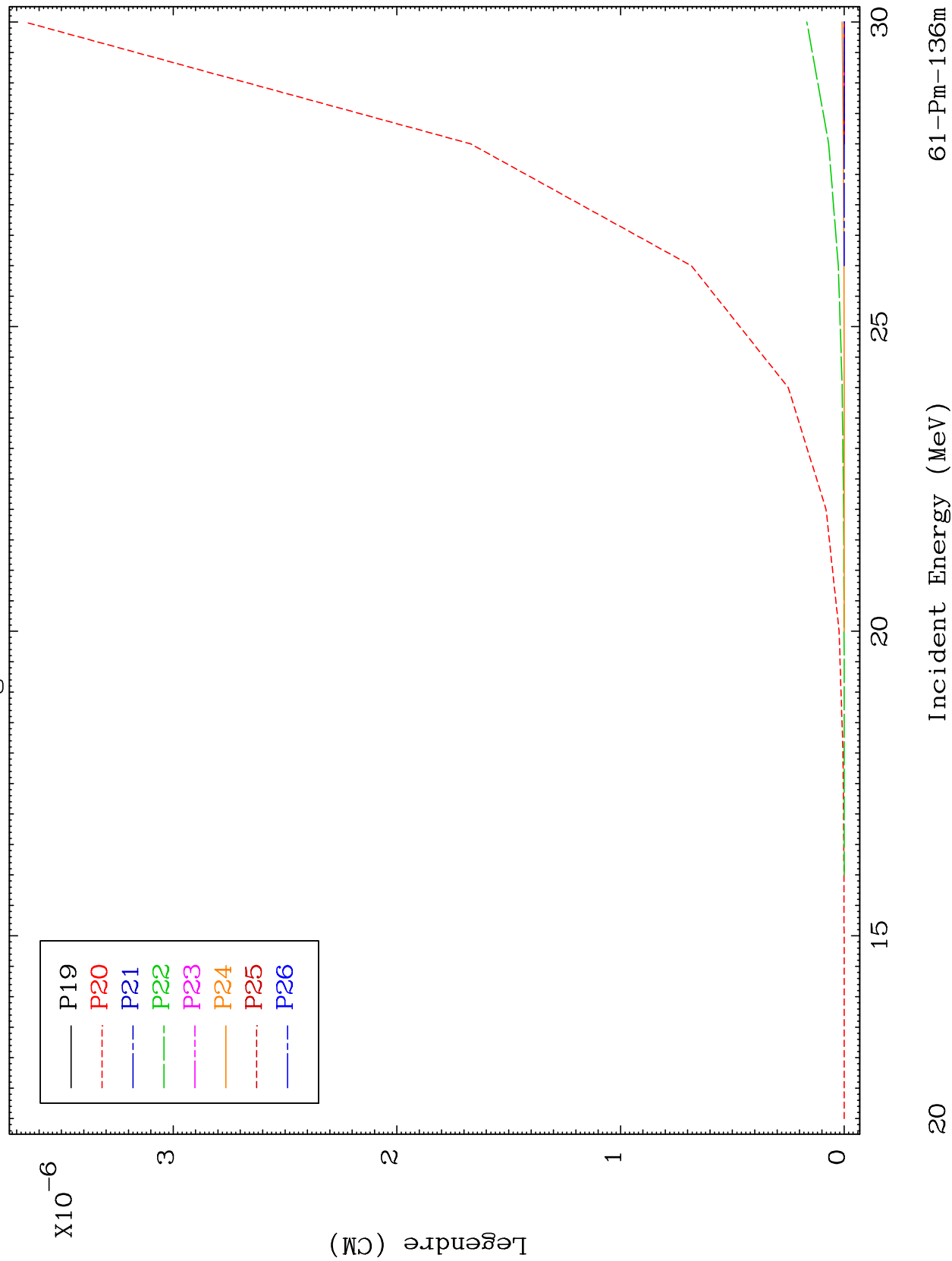
61-Pm-136m

Incident Energy (MeV)

MAT 6117

Elastic Legendre Coefficients

61-Pm-136m



20

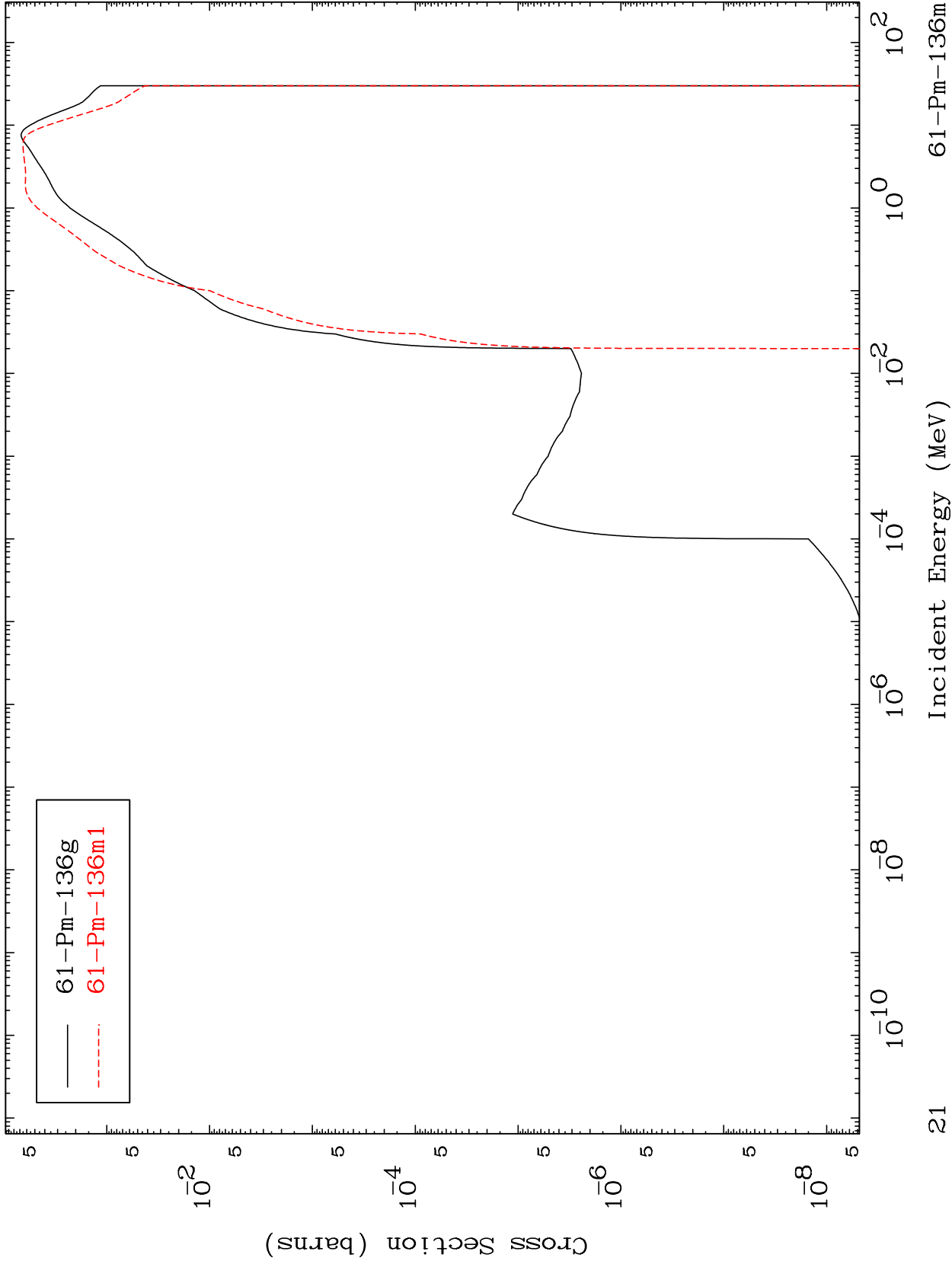
Incident Energy (MeV)

61-Pm-136m

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Inelastic  
Radionuclide Production Cross Section

61-Pm-136m

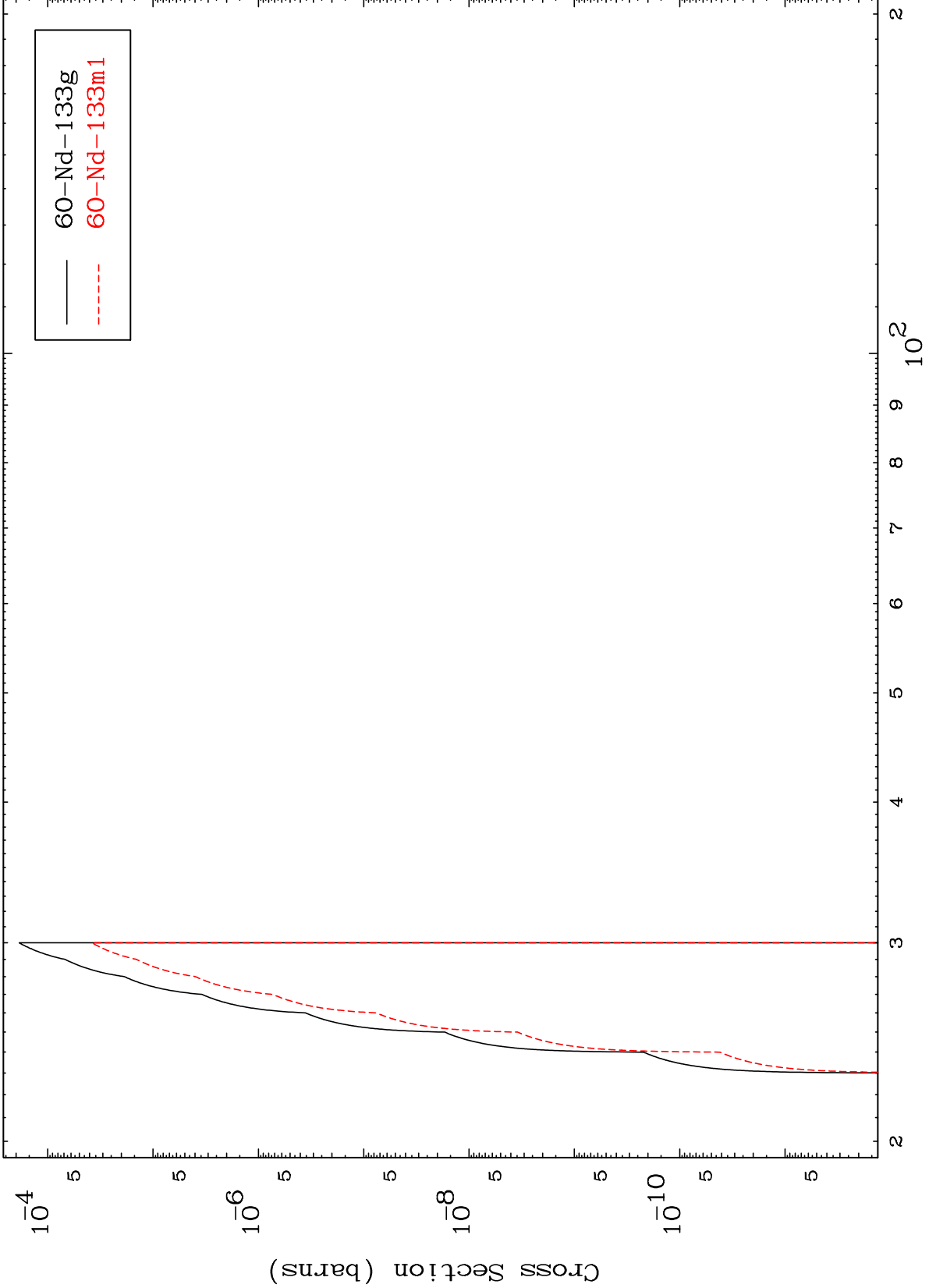


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(n,2n) d

61-Pm-136m

Radionuclide Production Cross Section



22

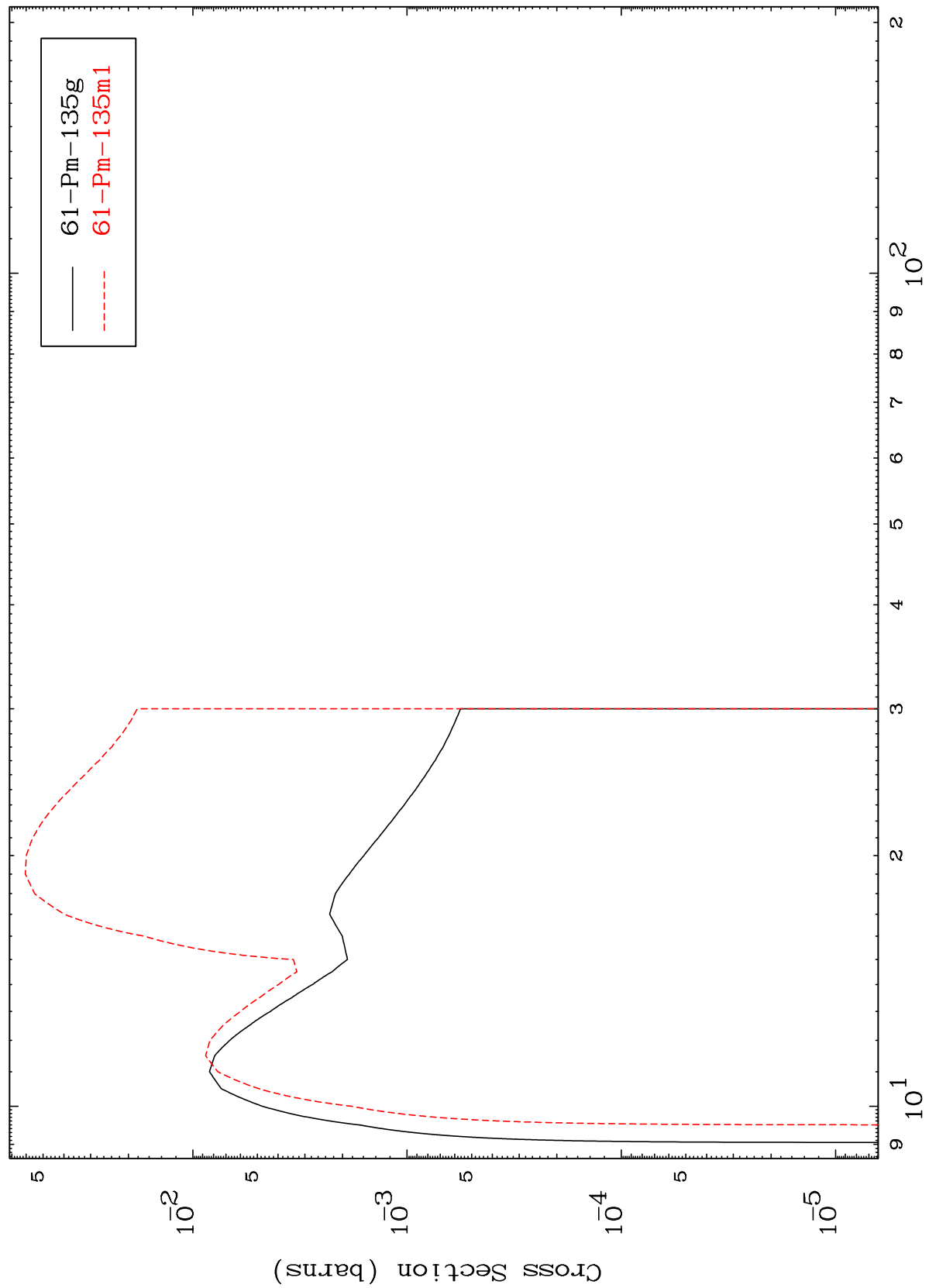
Incident Energy (MeV)

61-Pm-136m

MAT 6117

61-Pm-136m

(n,2n)  
Radionuclide Production Cross Section



61-Pm-136m

Incident Energy (MeV)

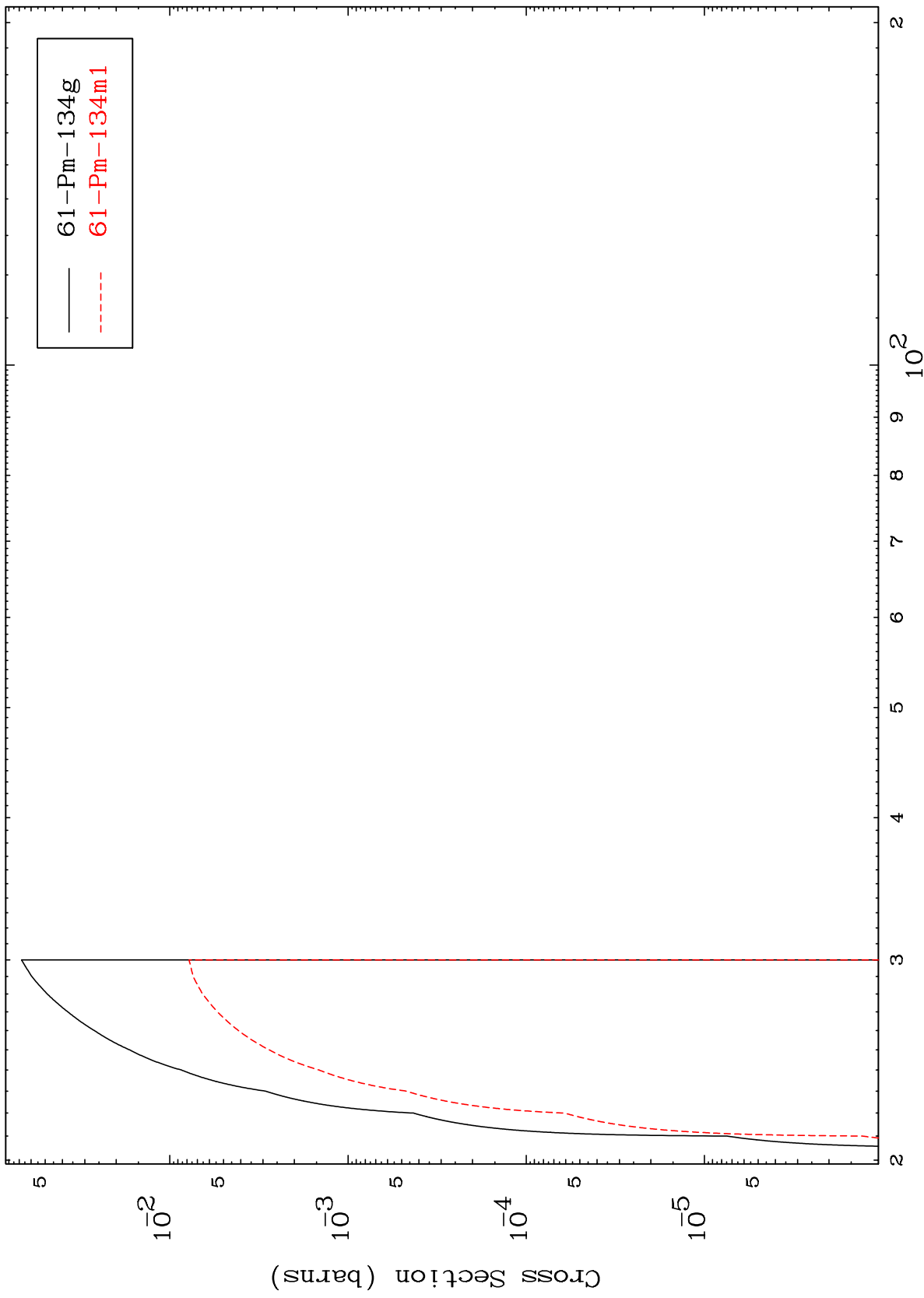
23



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61-Pm-136m

(n,3n)  
Radionuclide Production Cross Section



61-Pm-136m

Incident Energy (MeV)

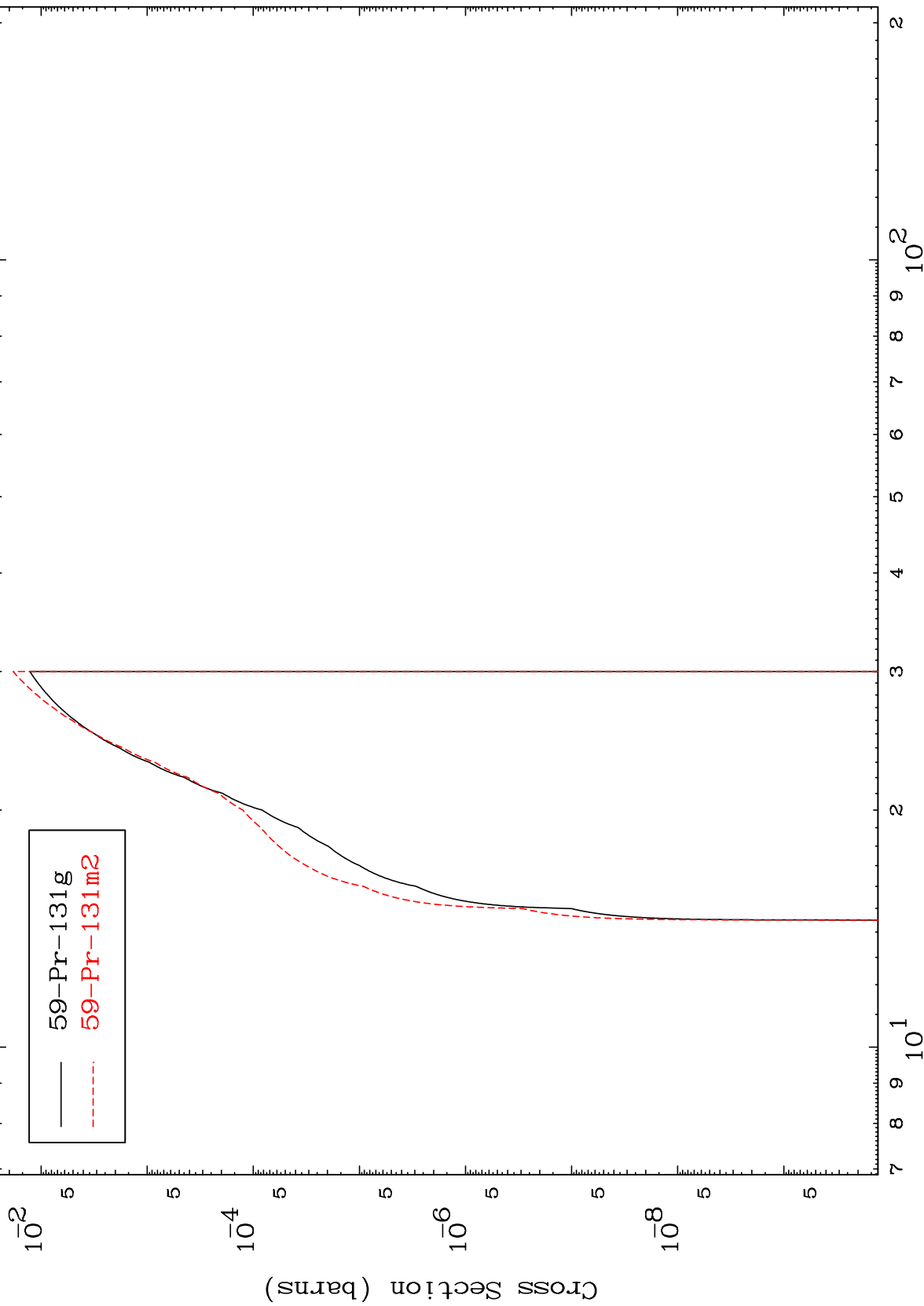
24

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(n,2n)  $\alpha$

61-Pm-136m

Radionuclide Production Cross Section



Incident Energy (MeV)

61-Pm-136m

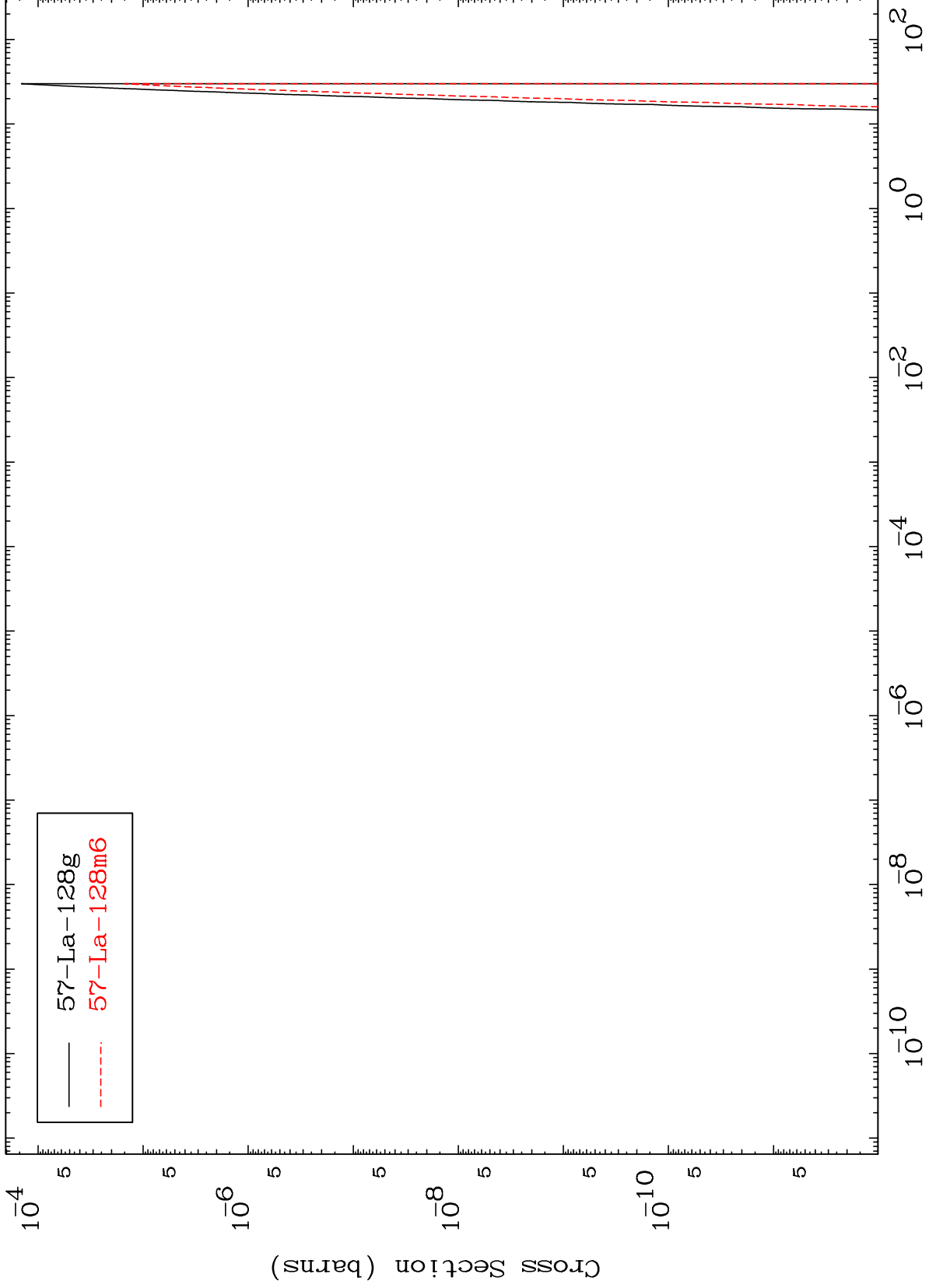
25

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(n,n') 2α

61-Pm-136m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

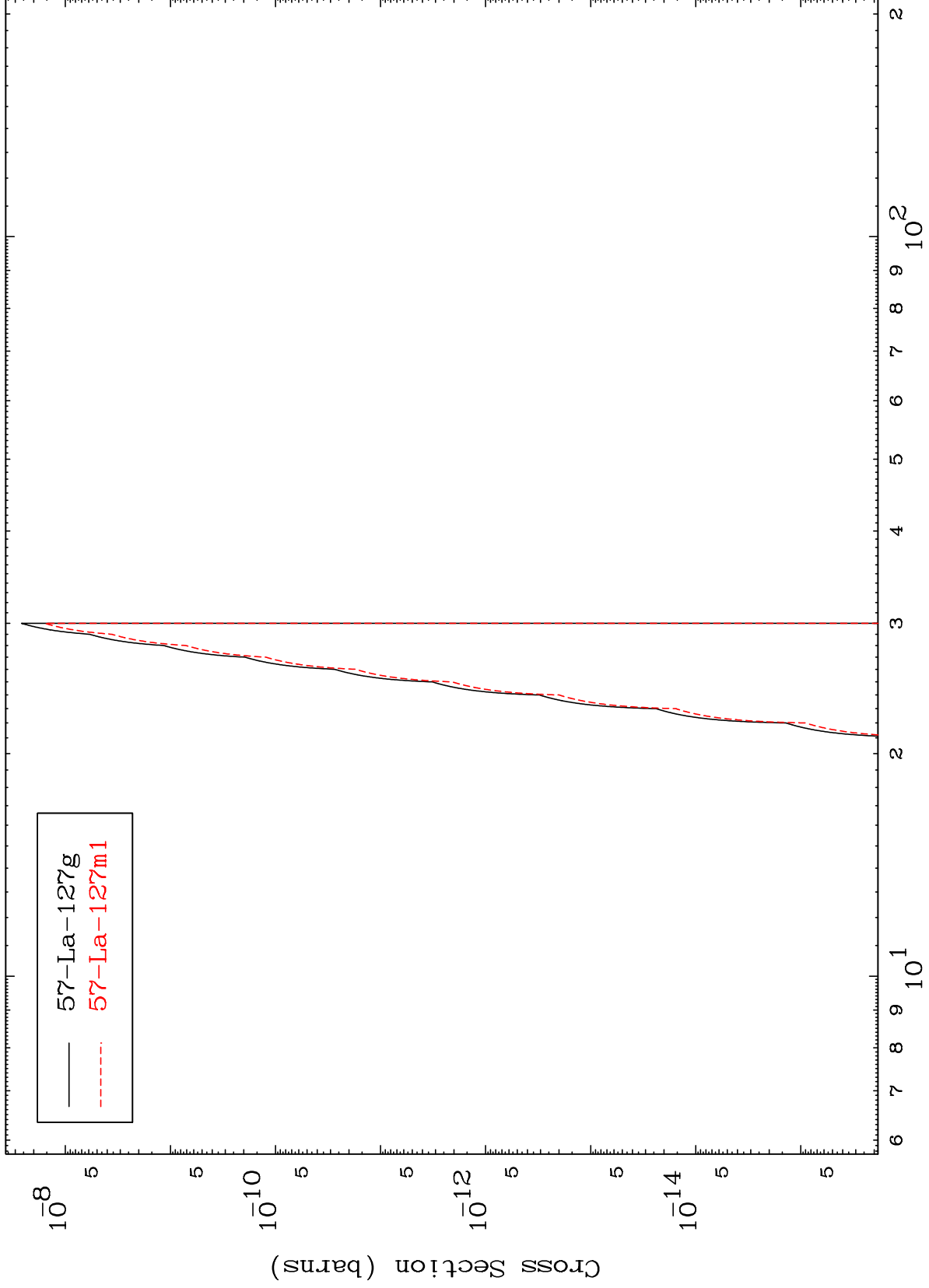
61-Pm-136m

MAT 6117

(n,2n) 2α

61-Pm-136m

Radionuclide Production Cross Section

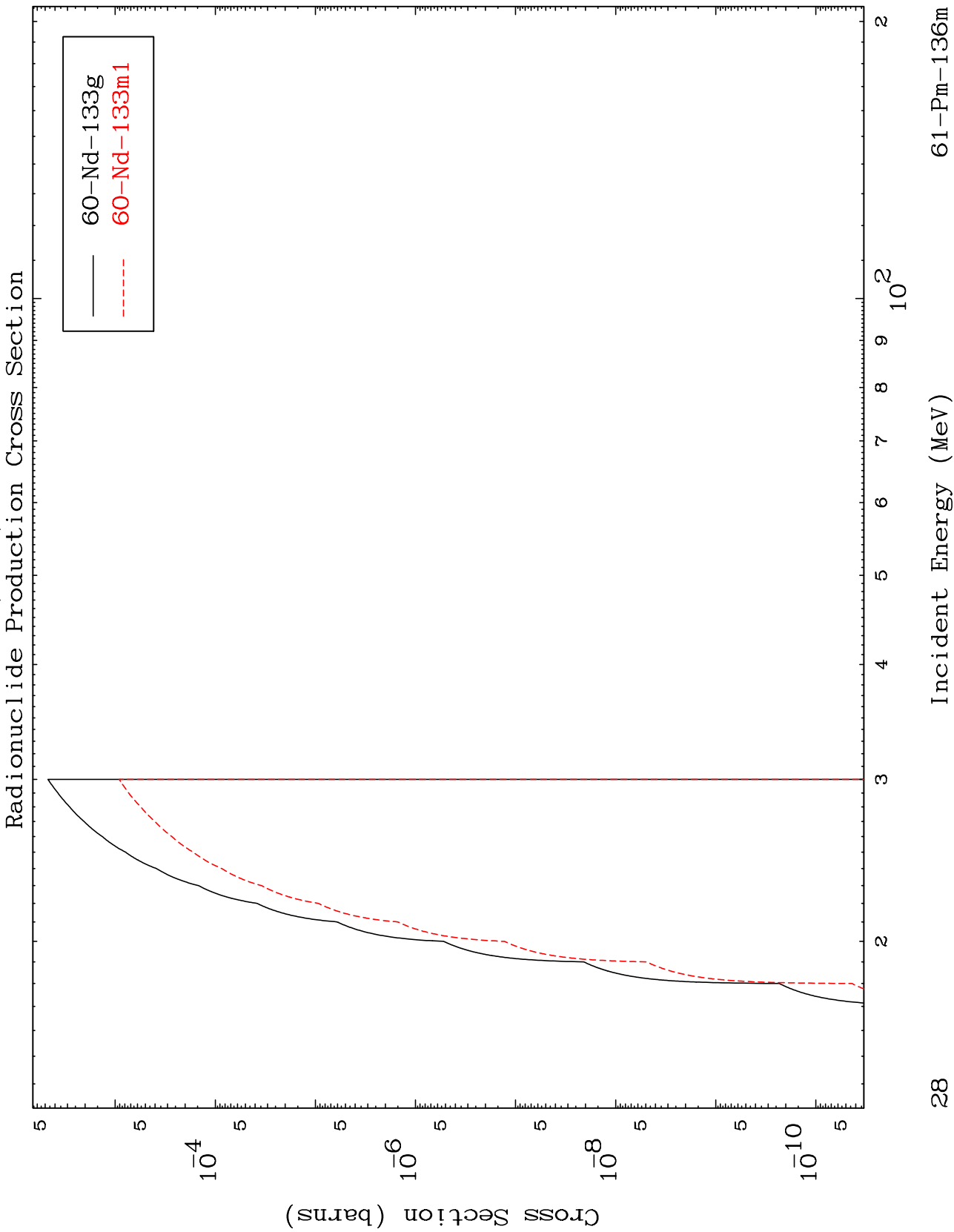


57-La-127g  
57-La-127m1

27

Incident Energy (MeV)

61-Pm-136m

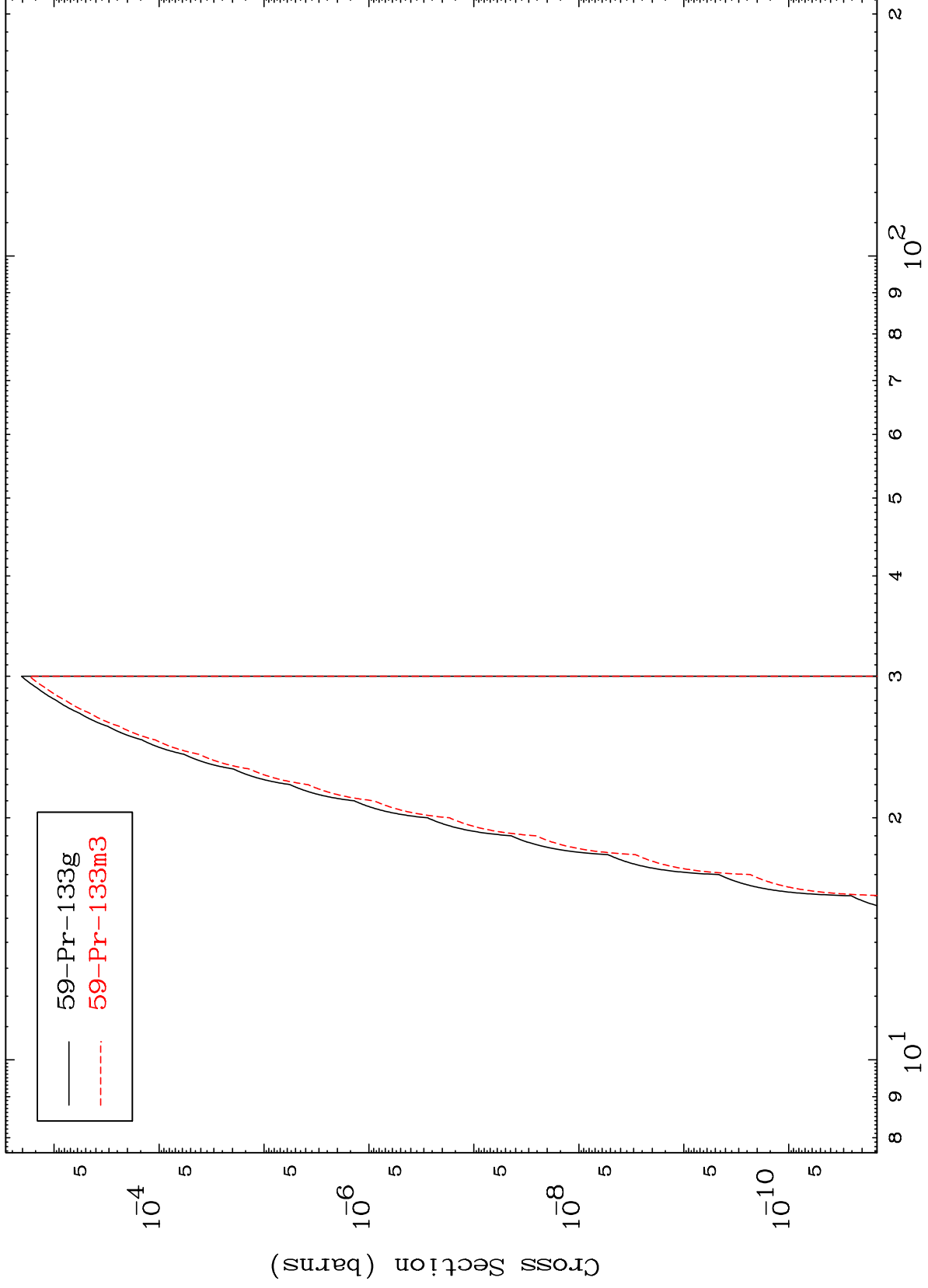


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(n,n') He-3

61-Pm-136m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

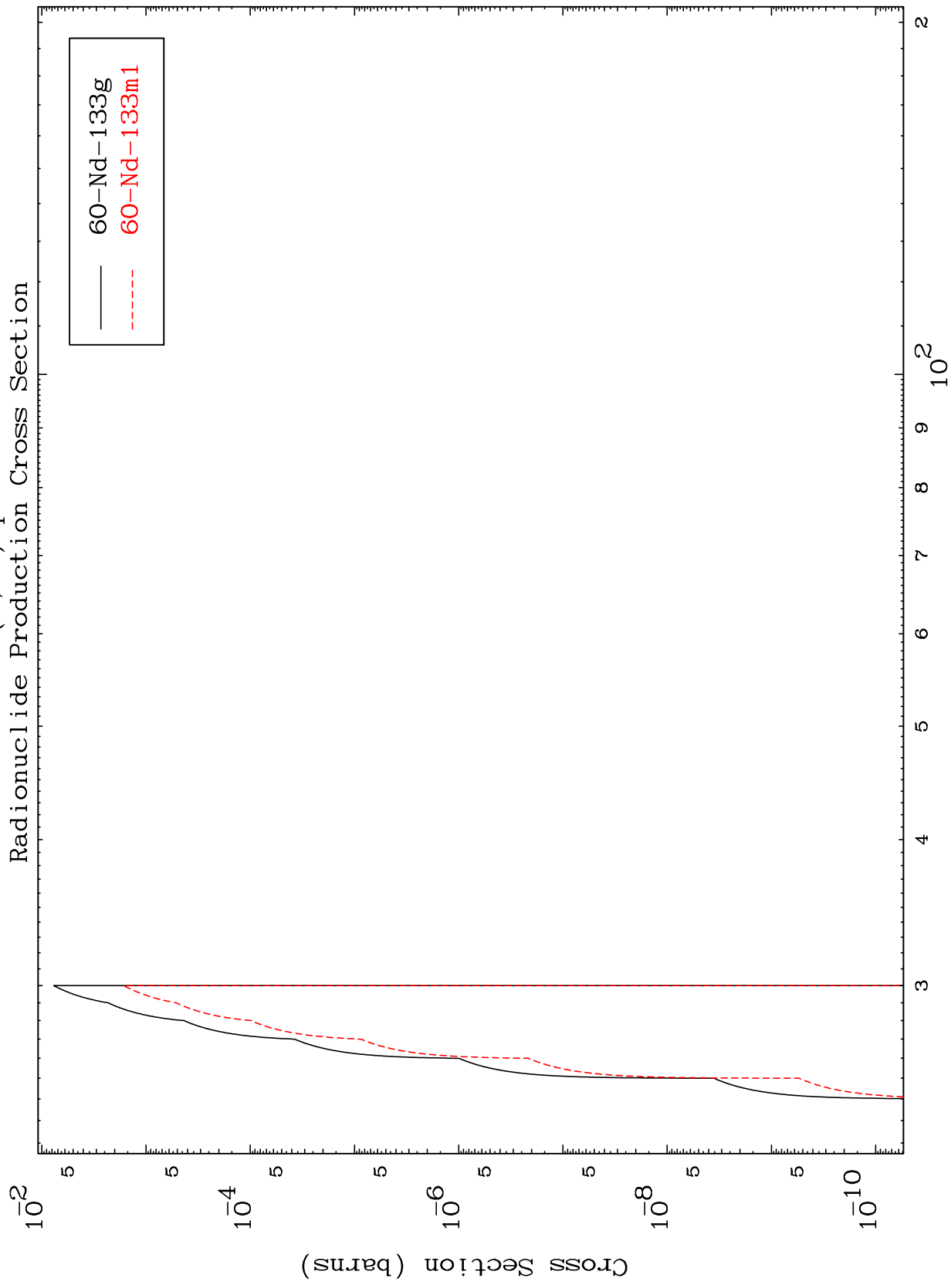
61-Pm-136m

MAT 6117

(n,3n) p

61-Pm-136m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

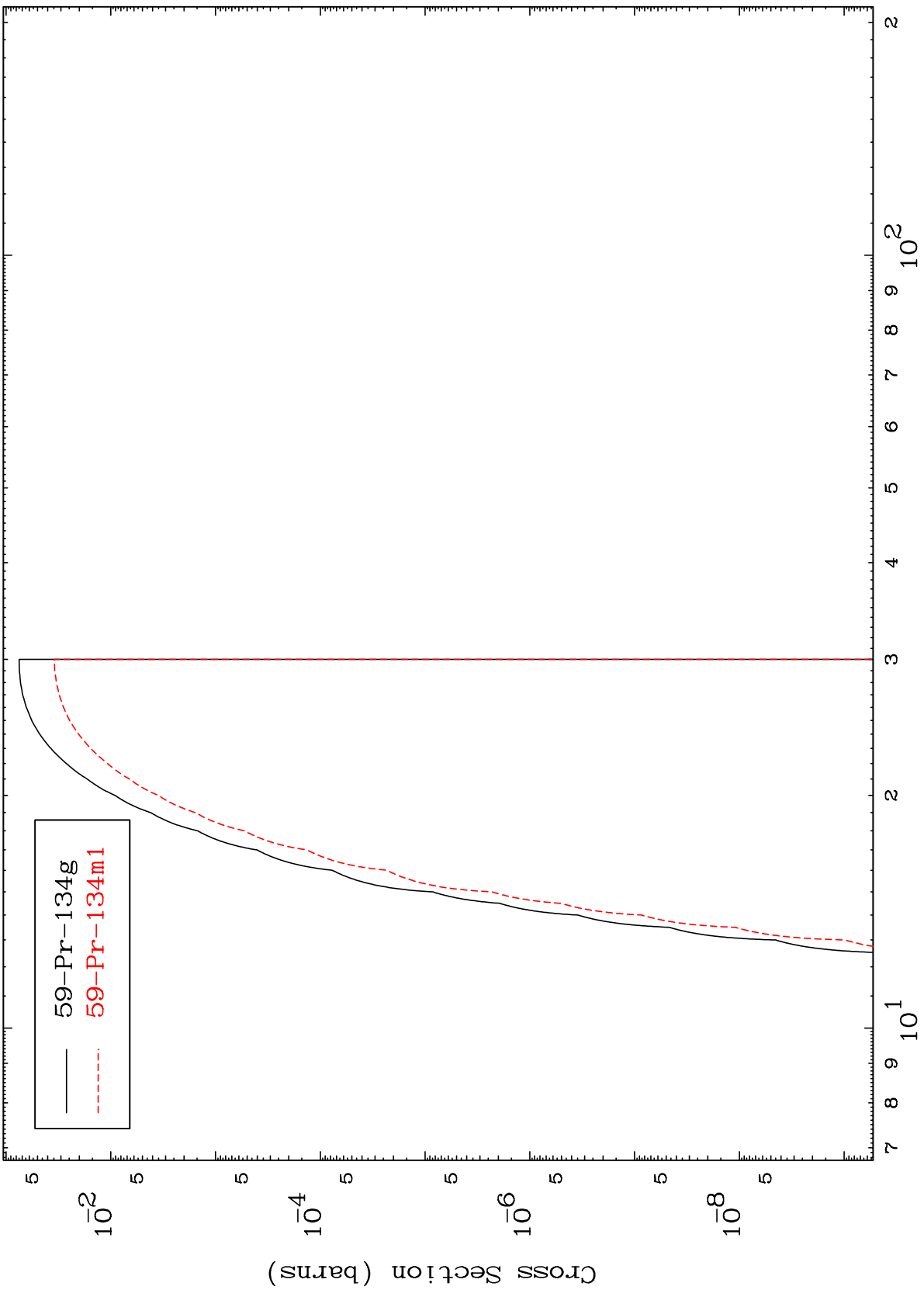
61-Pm-136m

MAT 6117

(n,2n) p

61-Pm-136m

Radionuclide Production Cross Section



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

31

Incident Energy (MeV)

61-Pm-136m

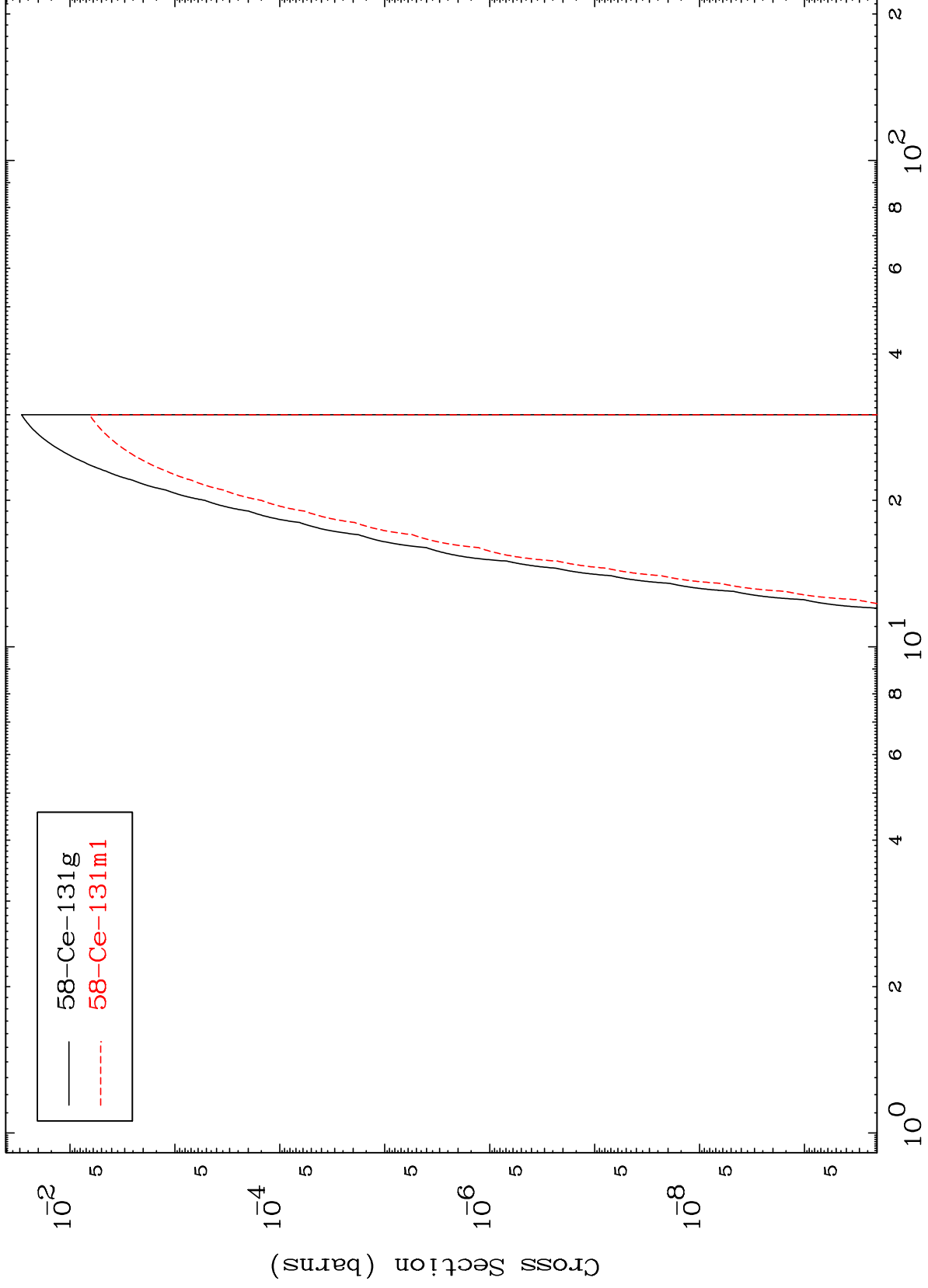


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(n,n') p  $\alpha$

61-Pm-136m

Radionuclide Production Cross Section



32

Incident Energy (MeV)

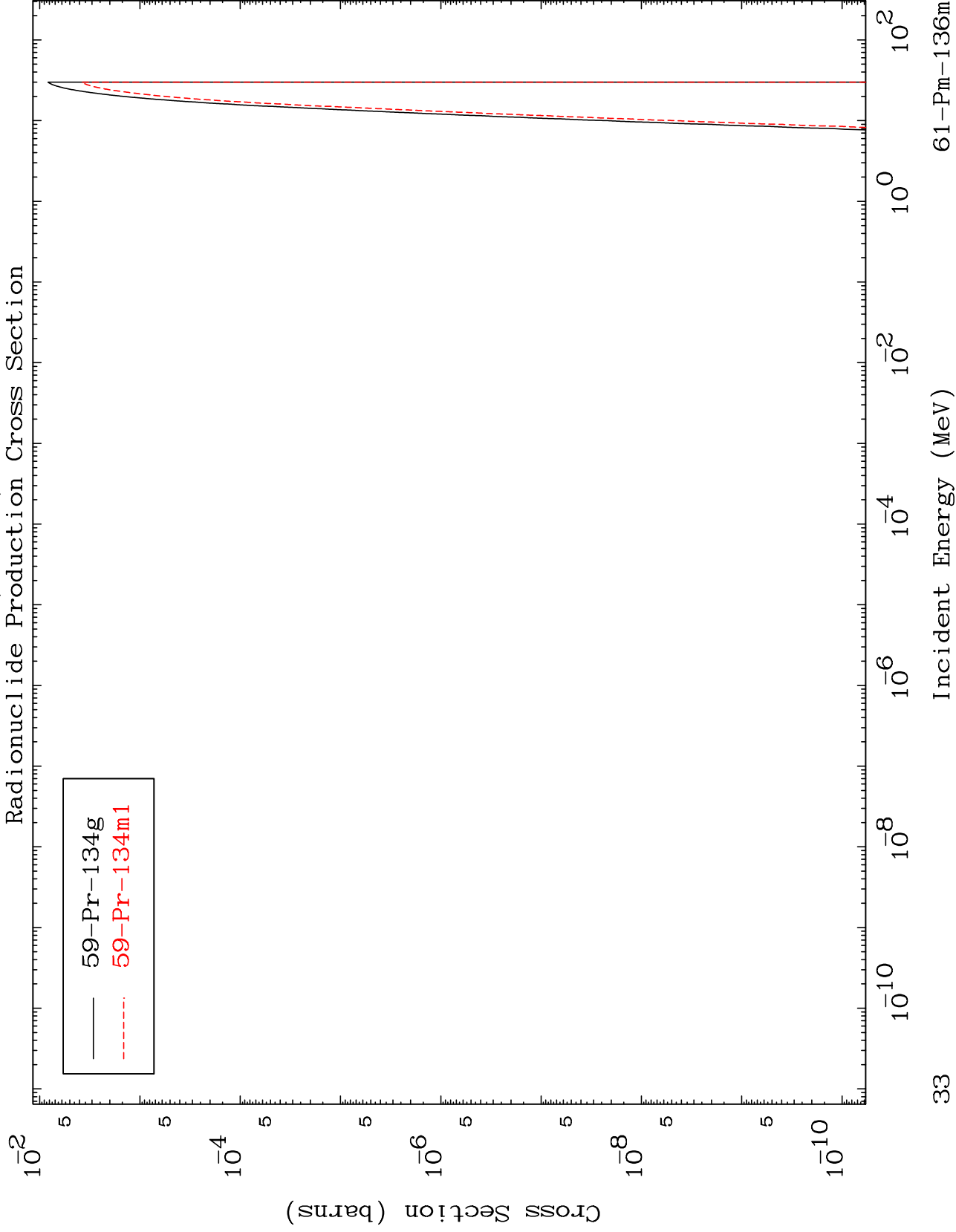
61-Pm-136m

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(n,He-3)

61-Pm-136m

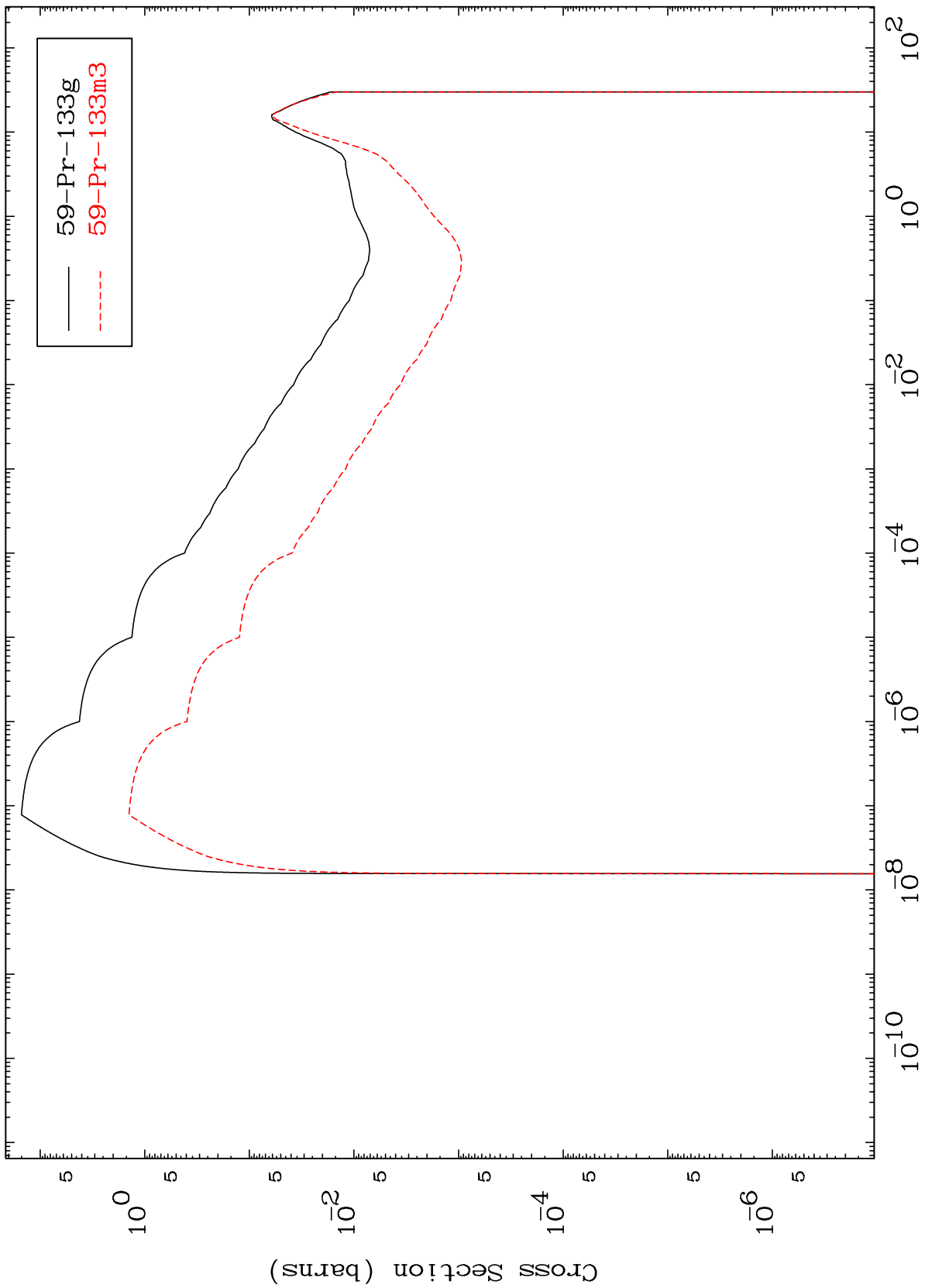
Radionuclide Production Cross Section



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61-Pm-136m

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



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61-Pm-136m

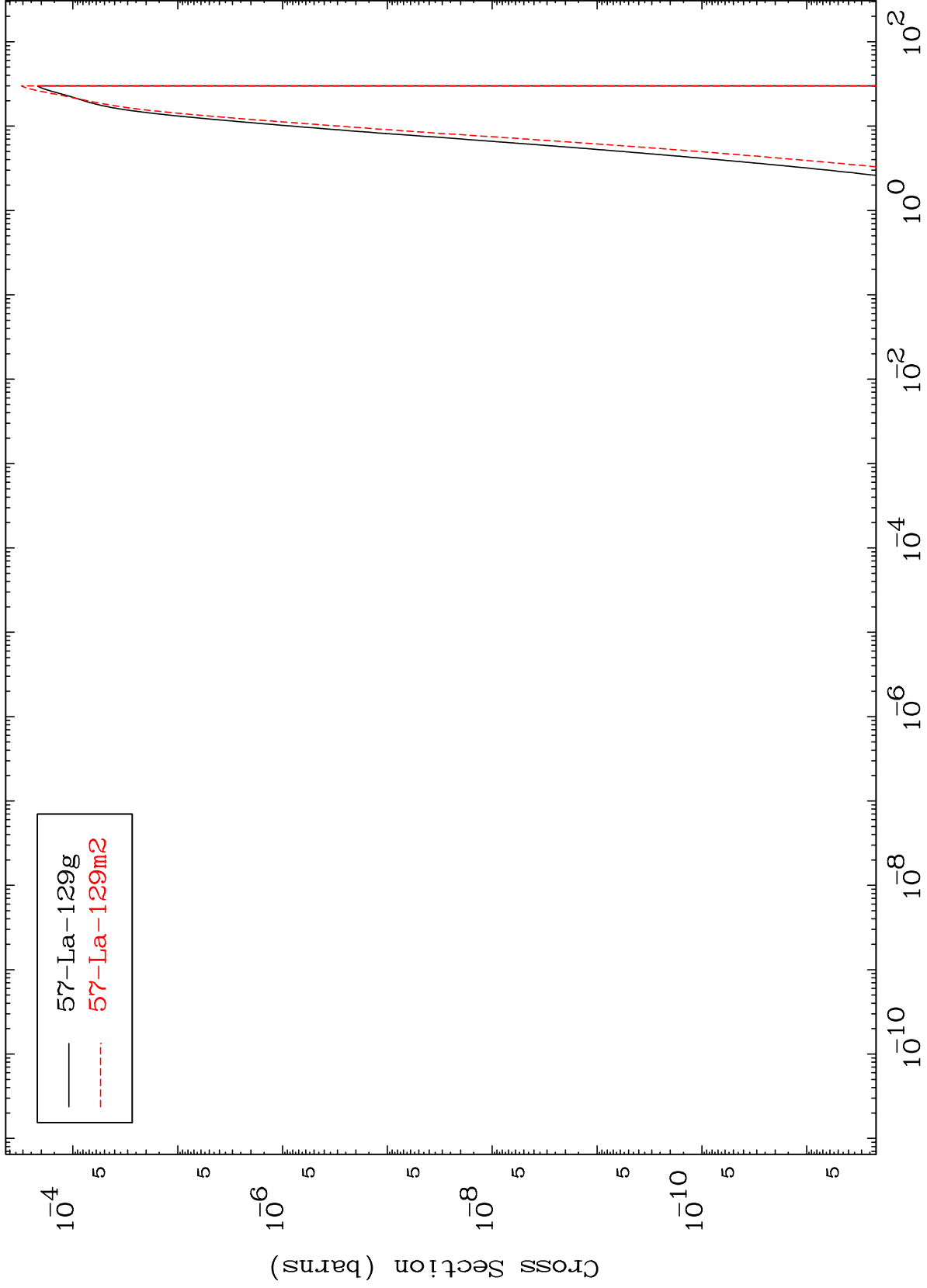
Incident Energy (MeV)

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(n,2α)

61-Pm-136m

Radionuclide Production Cross Section



35

Incident Energy (MeV)

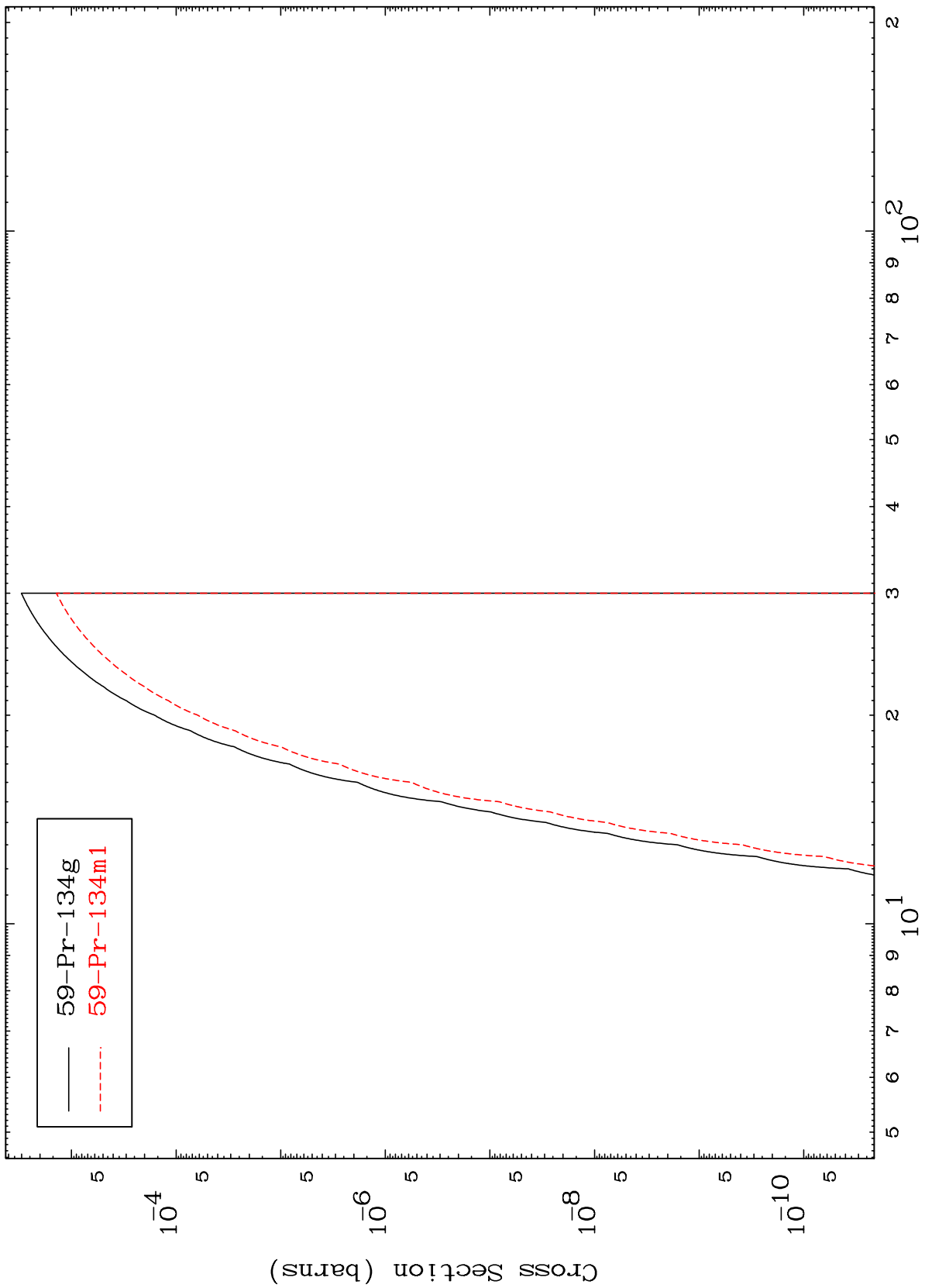
61-Pm-136m

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(n,p) d

61-Pm-136m

Radionuclide Production Cross Section



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

36

Incident Energy (MeV)

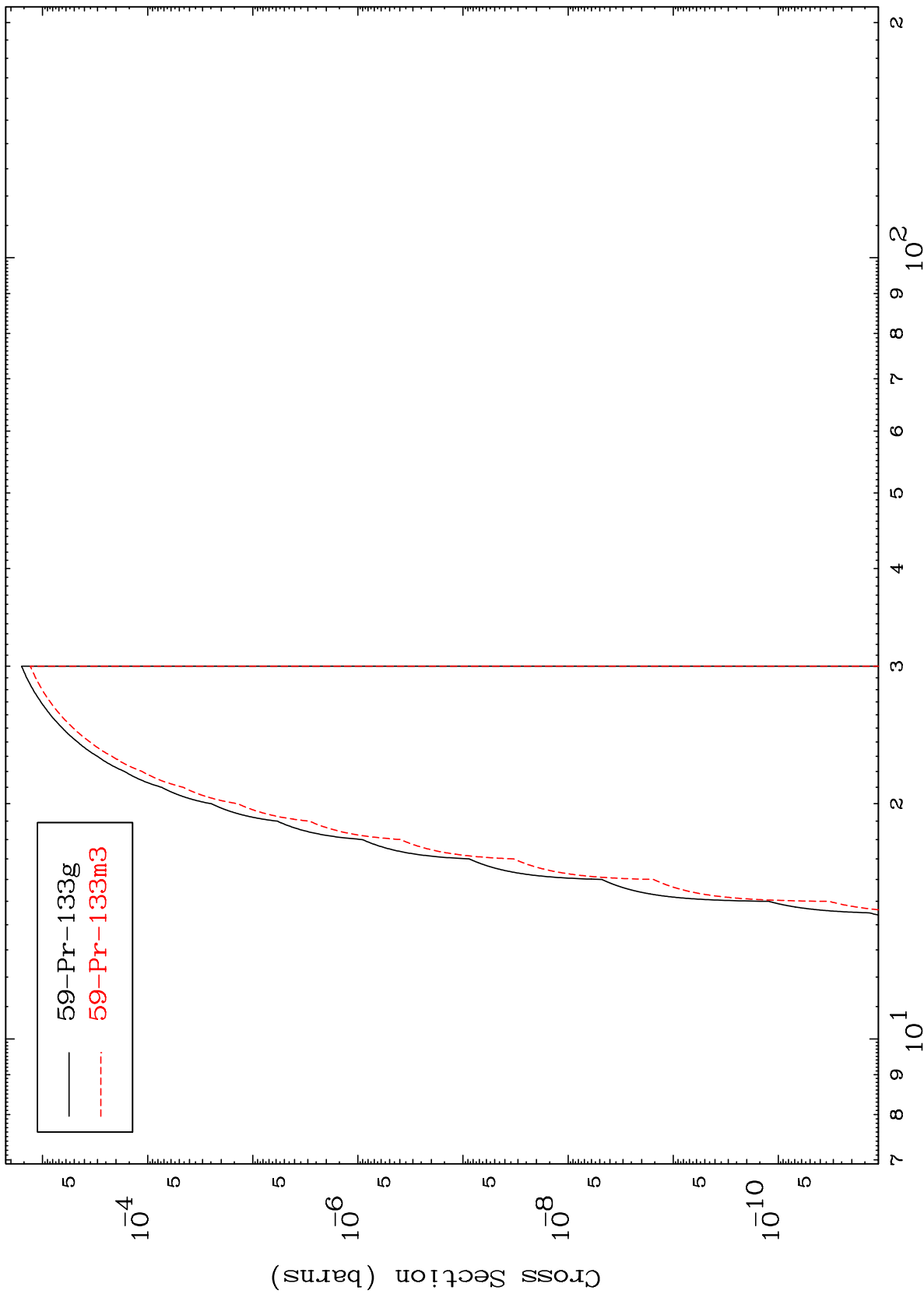
61-Pm-136m

MAT 6117

(n,p) t

61-Pm-136m

Radionuclide Production Cross Section



37

Incident Energy (MeV)

61-Pm-136m

MAT 6117

(n,d)  $\alpha$

61-Pm-136m

Radionuclide Production Cross Section

