

Program EVALPLOT  
(Version 2021-1)

by

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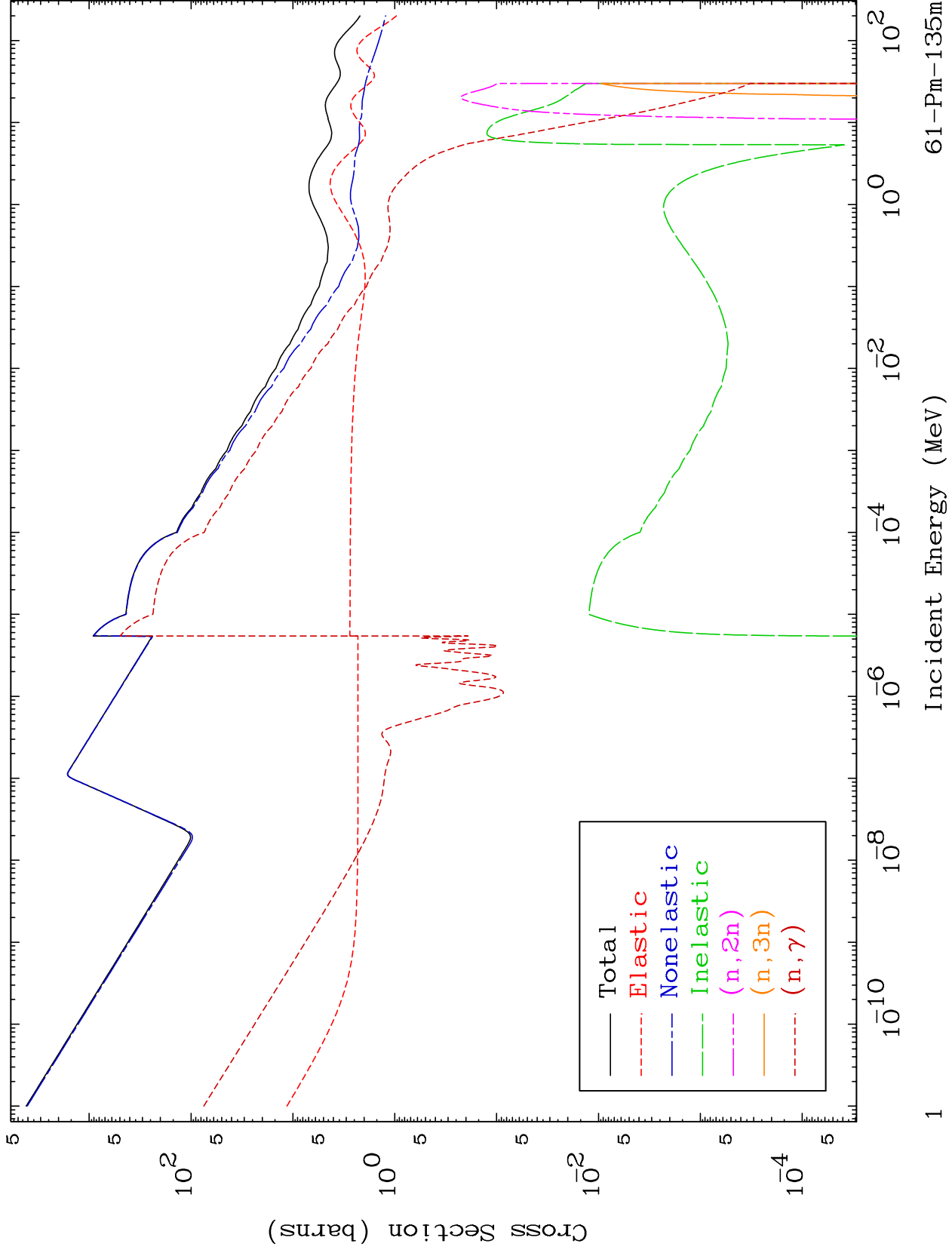
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6114

Neutron Major  
293 Kelvin Cross Sections

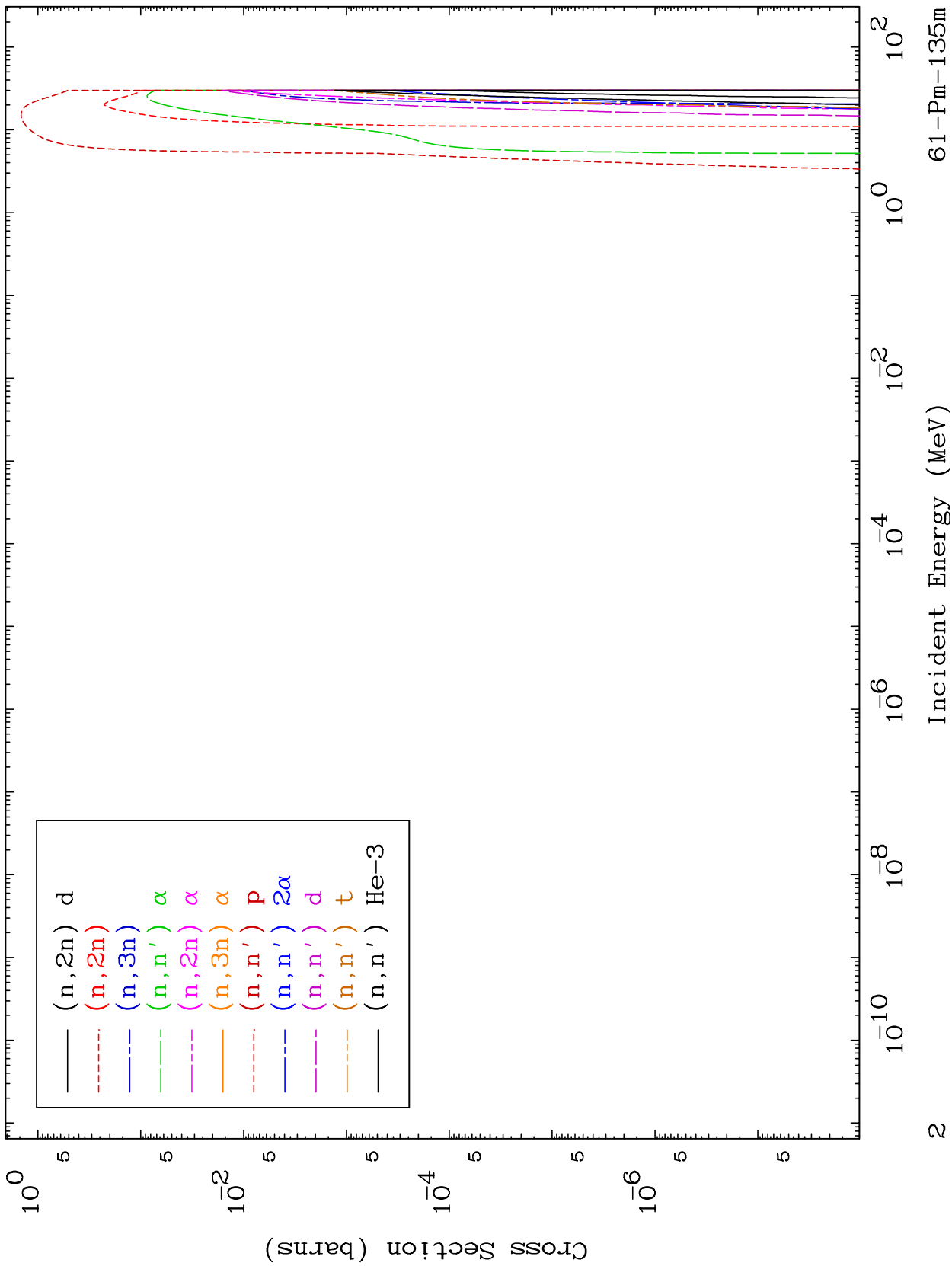
61-Pm-135m



MAT 6114

Neutron Absorption  
293 Kelvin Cross Sections

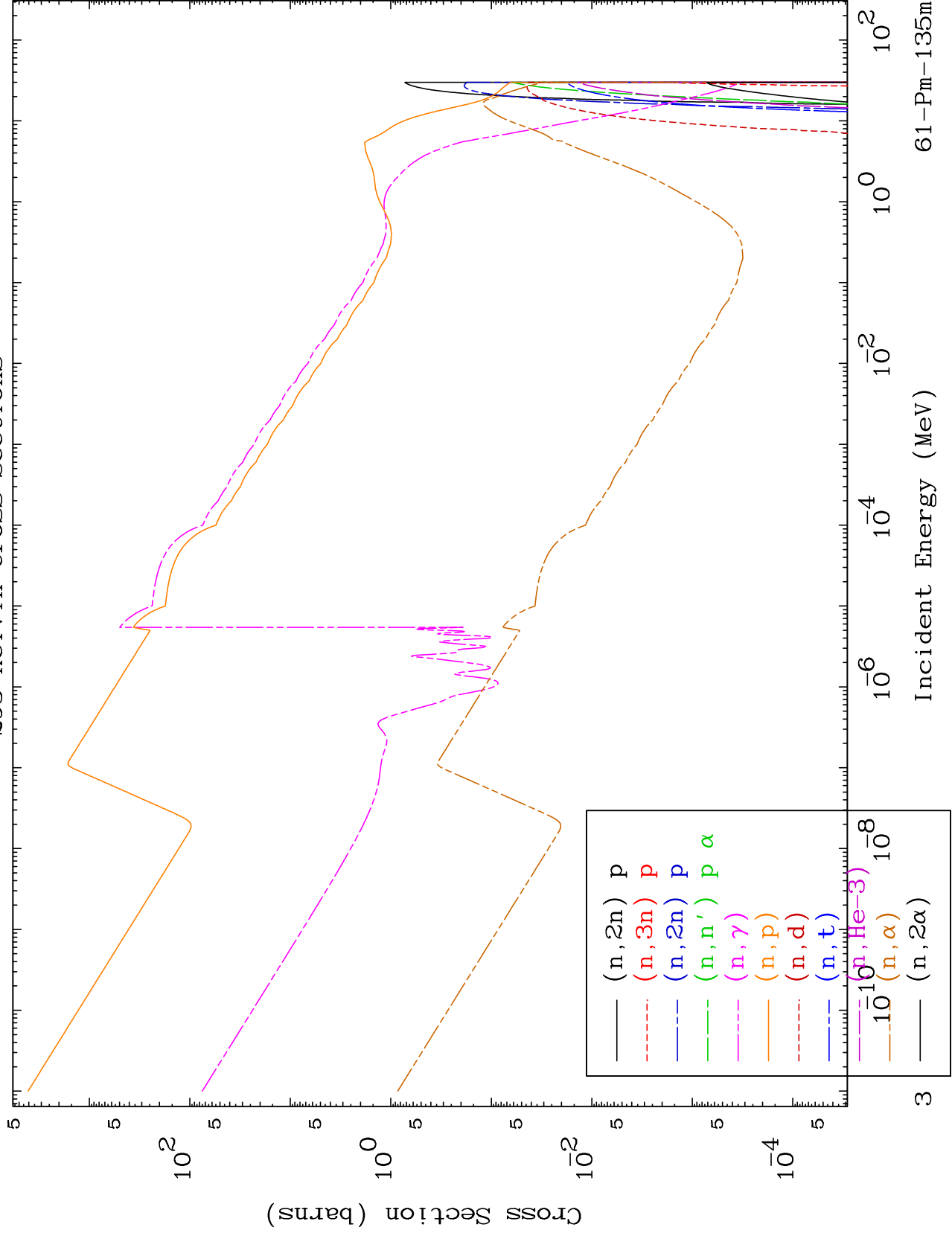
61-Pm-135m



MAT 6114

Neutron Absorption  
293 Kelvin Cross Sections

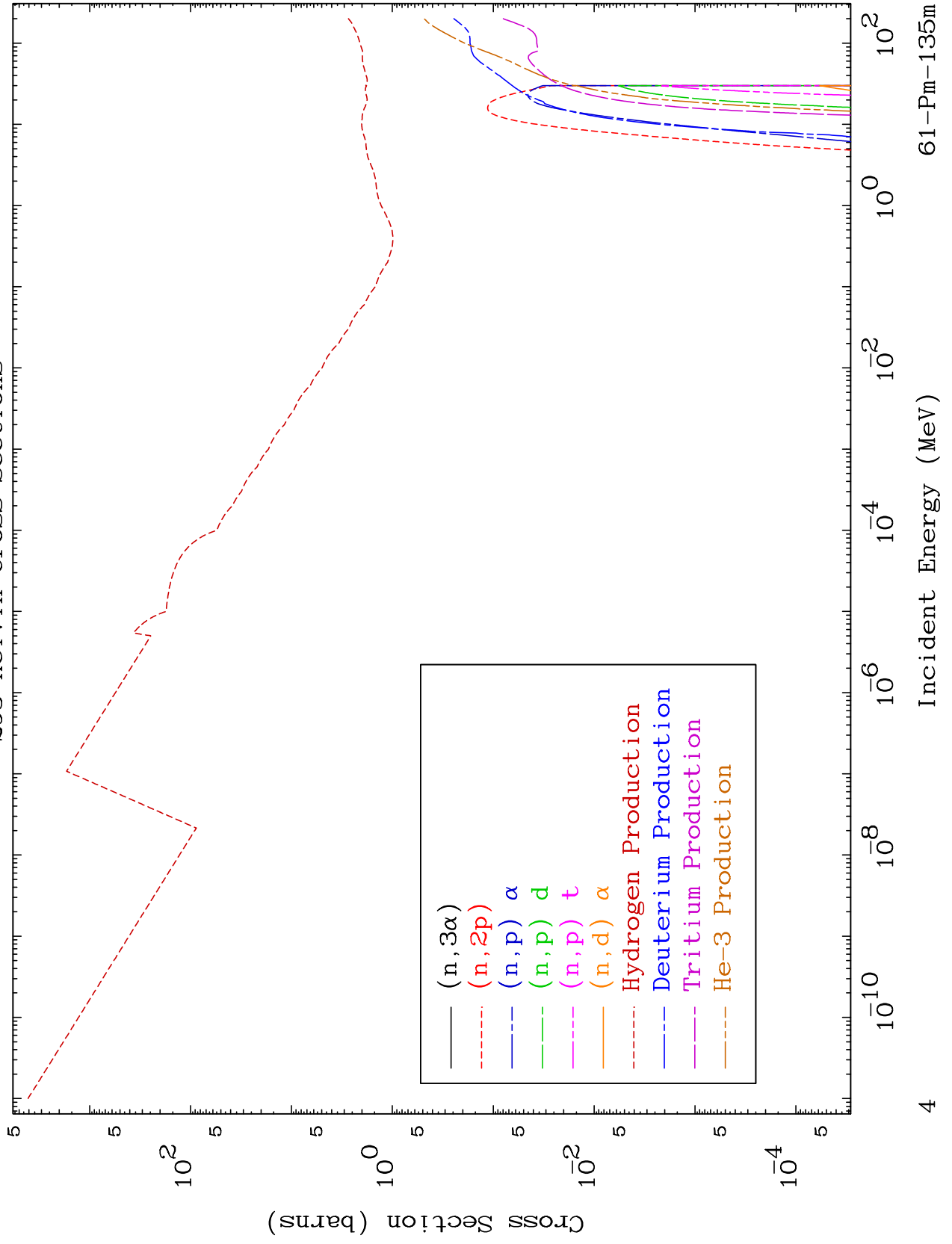
61-Pm-135m



MAT 6114

Neutron Absorption  
293 Kelvin Cross Sections

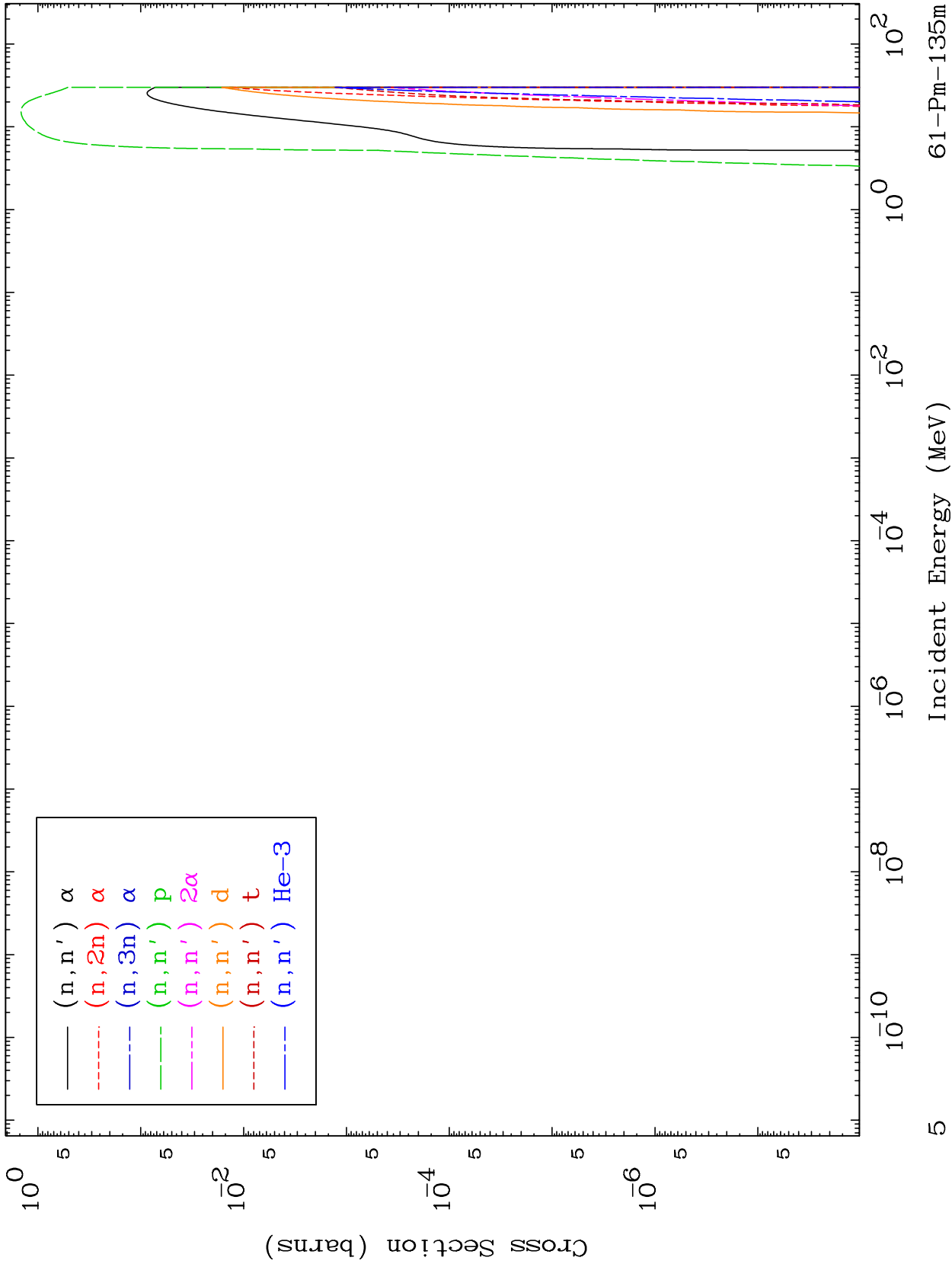
61-Pm-135m



MAT 6114

Charged Particle  
293 Kelvin Cross Sections

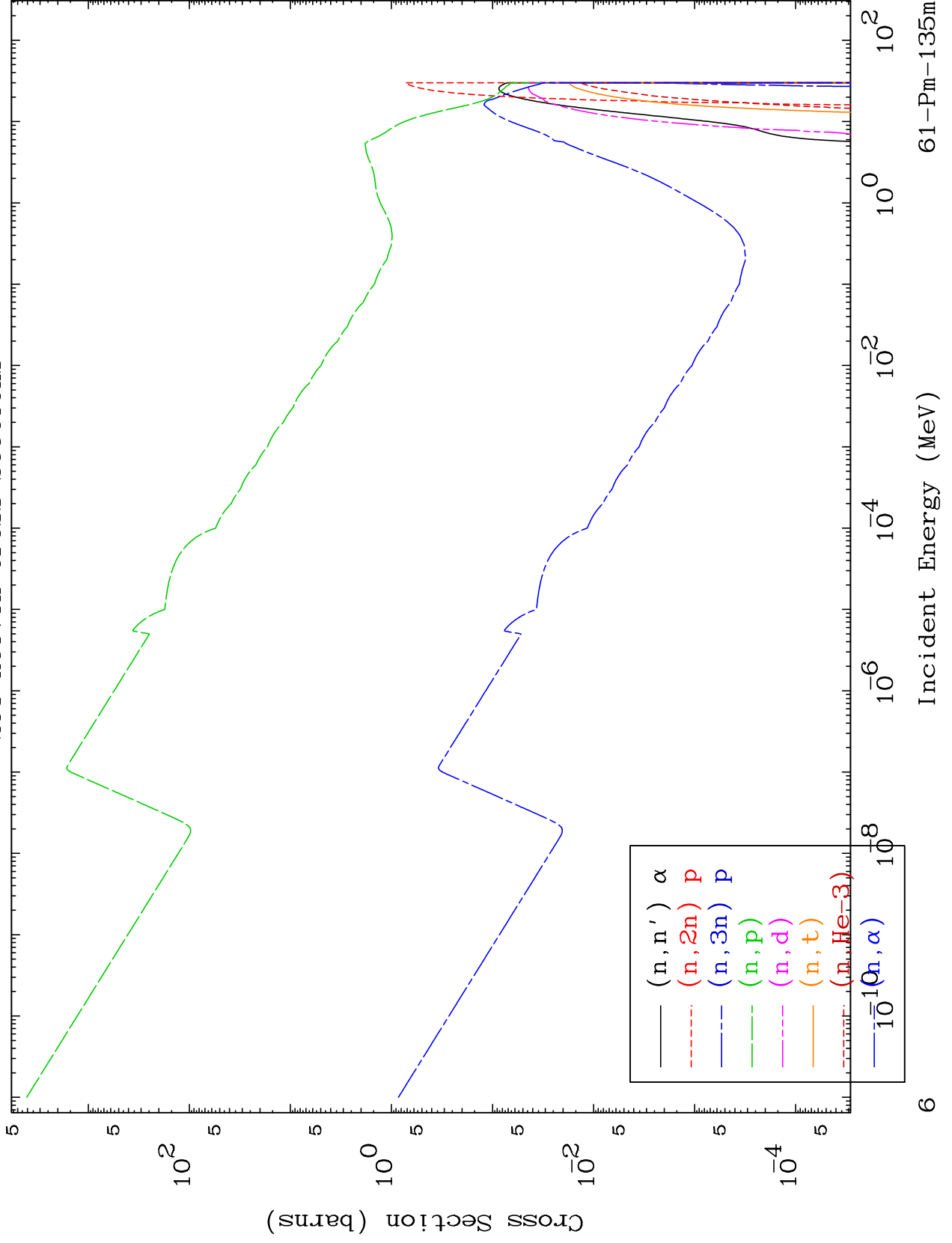
61-Pm-135m



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Charged Particle  
293 Kelvin Cross Sections

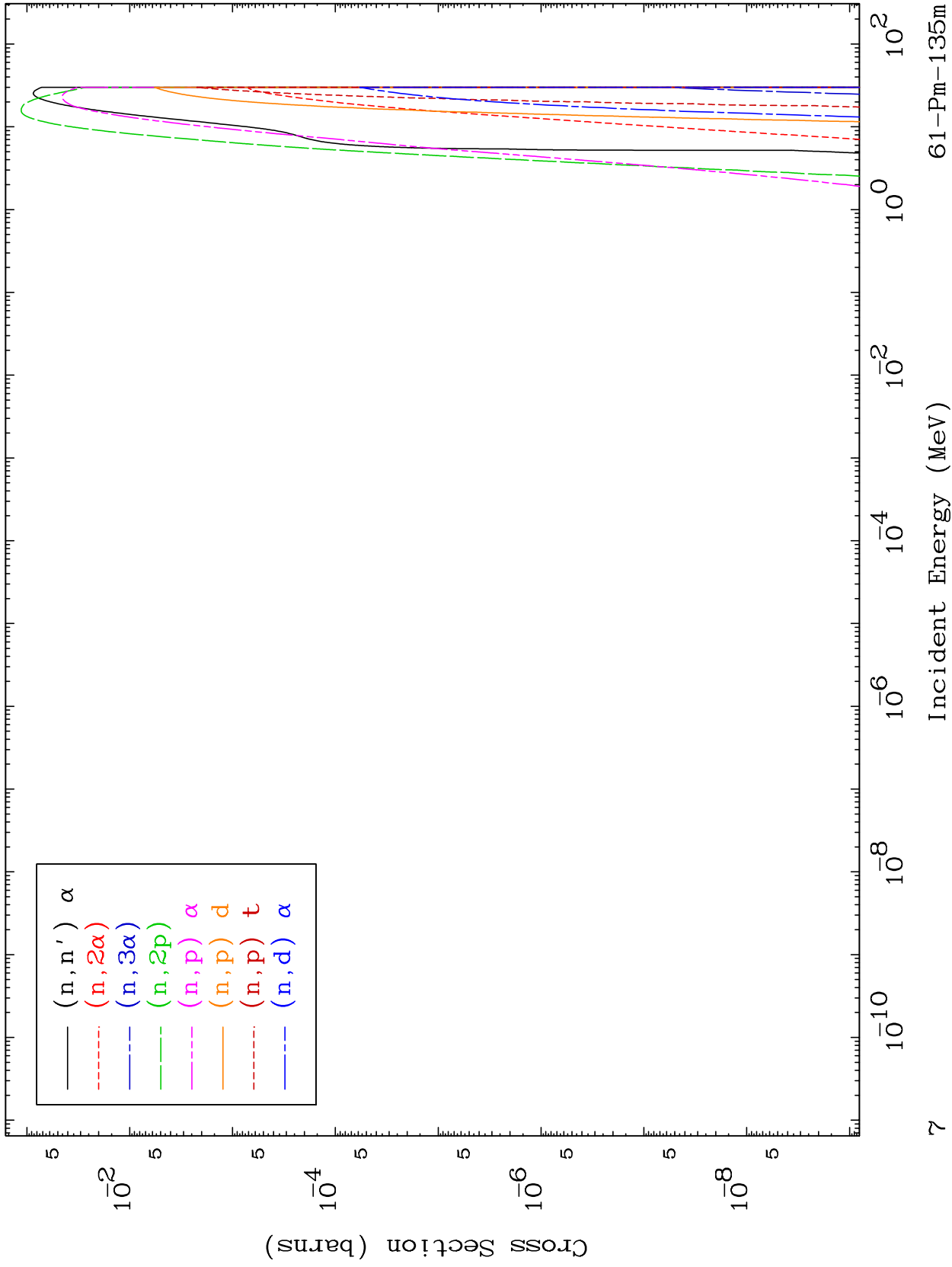
61-Pm-135m



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Charged Particle  
293 Kelvin Cross Sections

61-Pm-135m

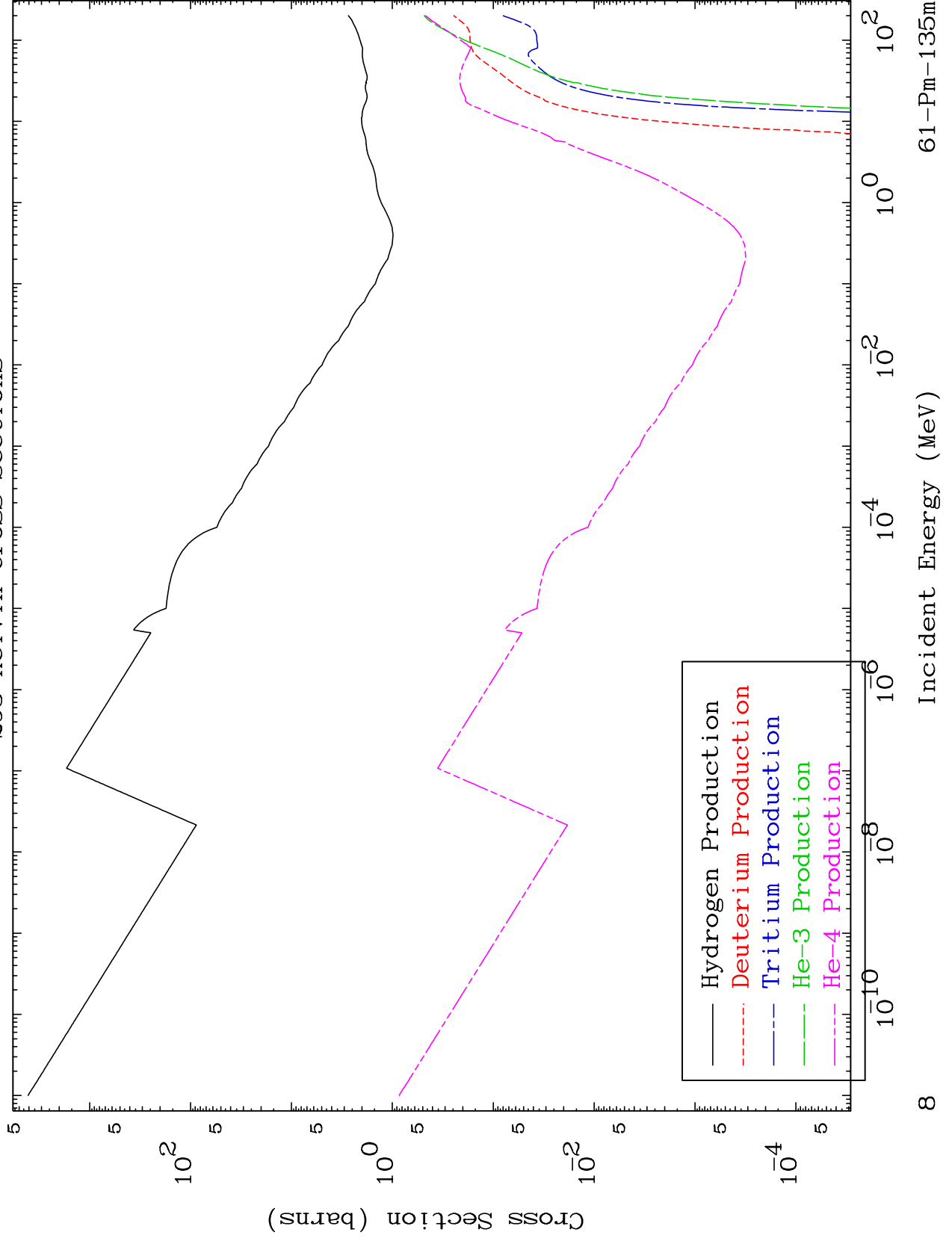




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Particle Production  
293 Kelvin Cross Sections

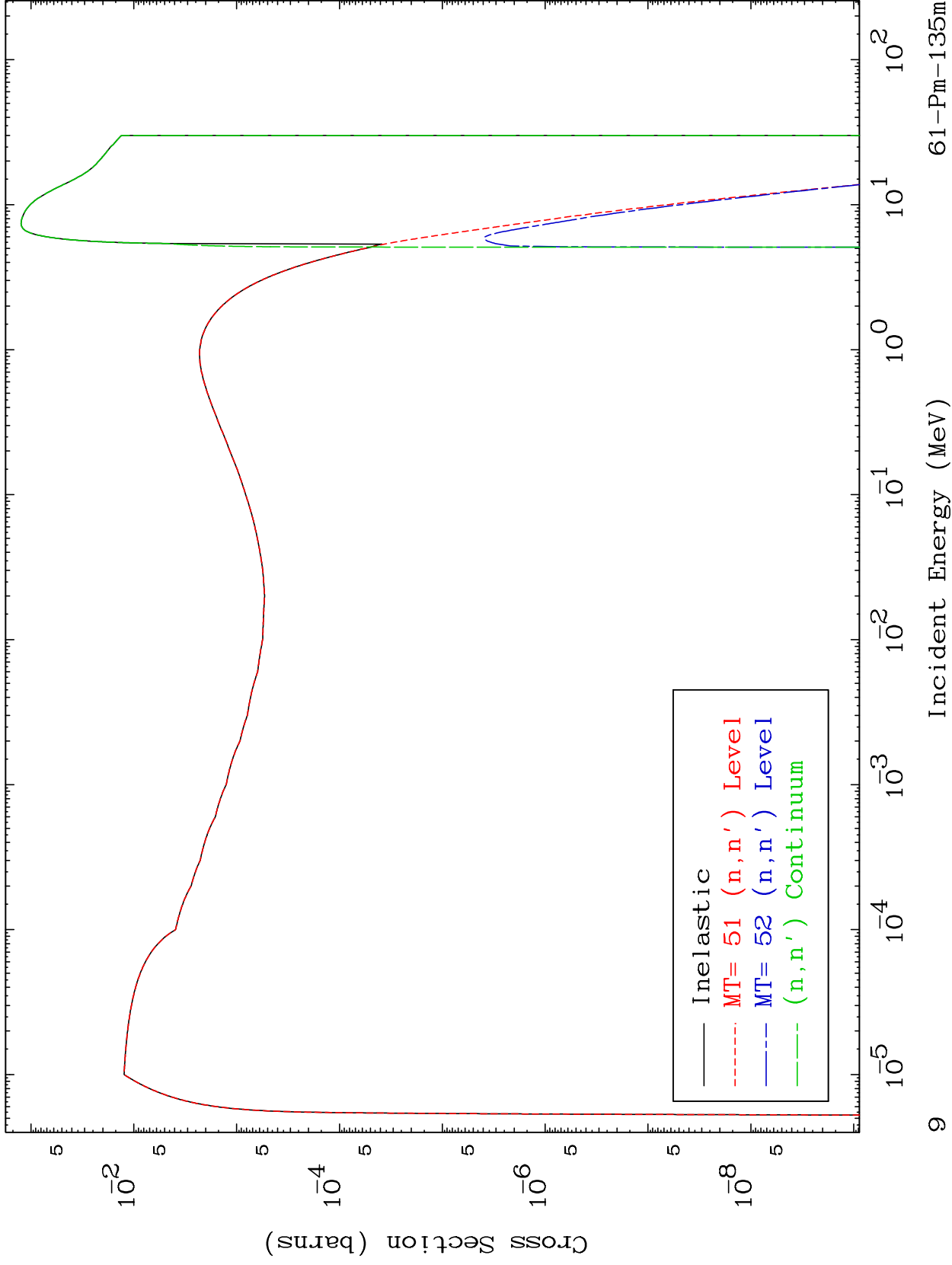
61-Pm-135m



MAT 6114

(n,n') Levels  
293 Kelvin Cross Sections

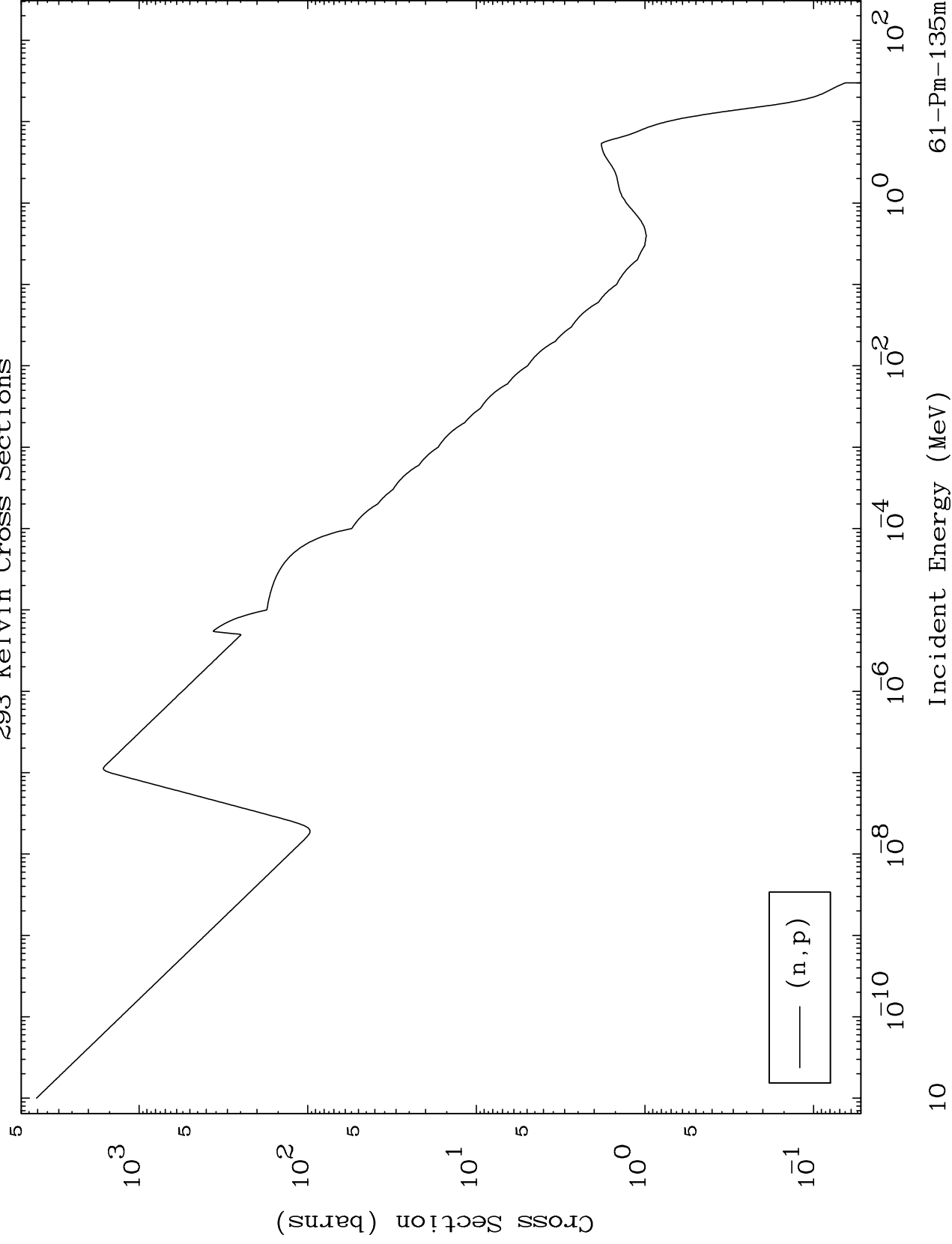
61-Pm-135m



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(n,p) Levels  
293 Kelvin Cross Sections

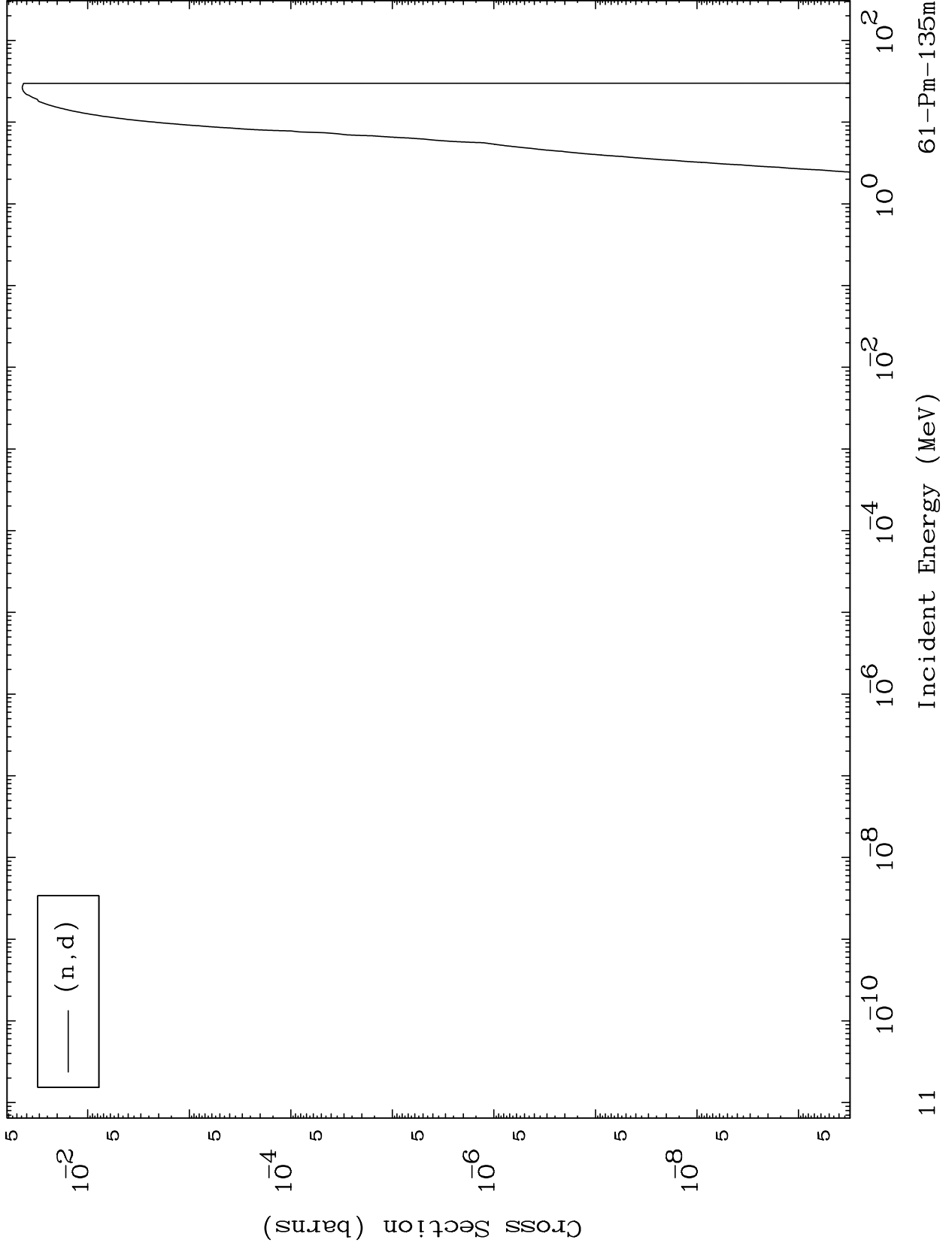
61-Pm-135m



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(n,d) Levels  
293 Kelvin Cross Sections

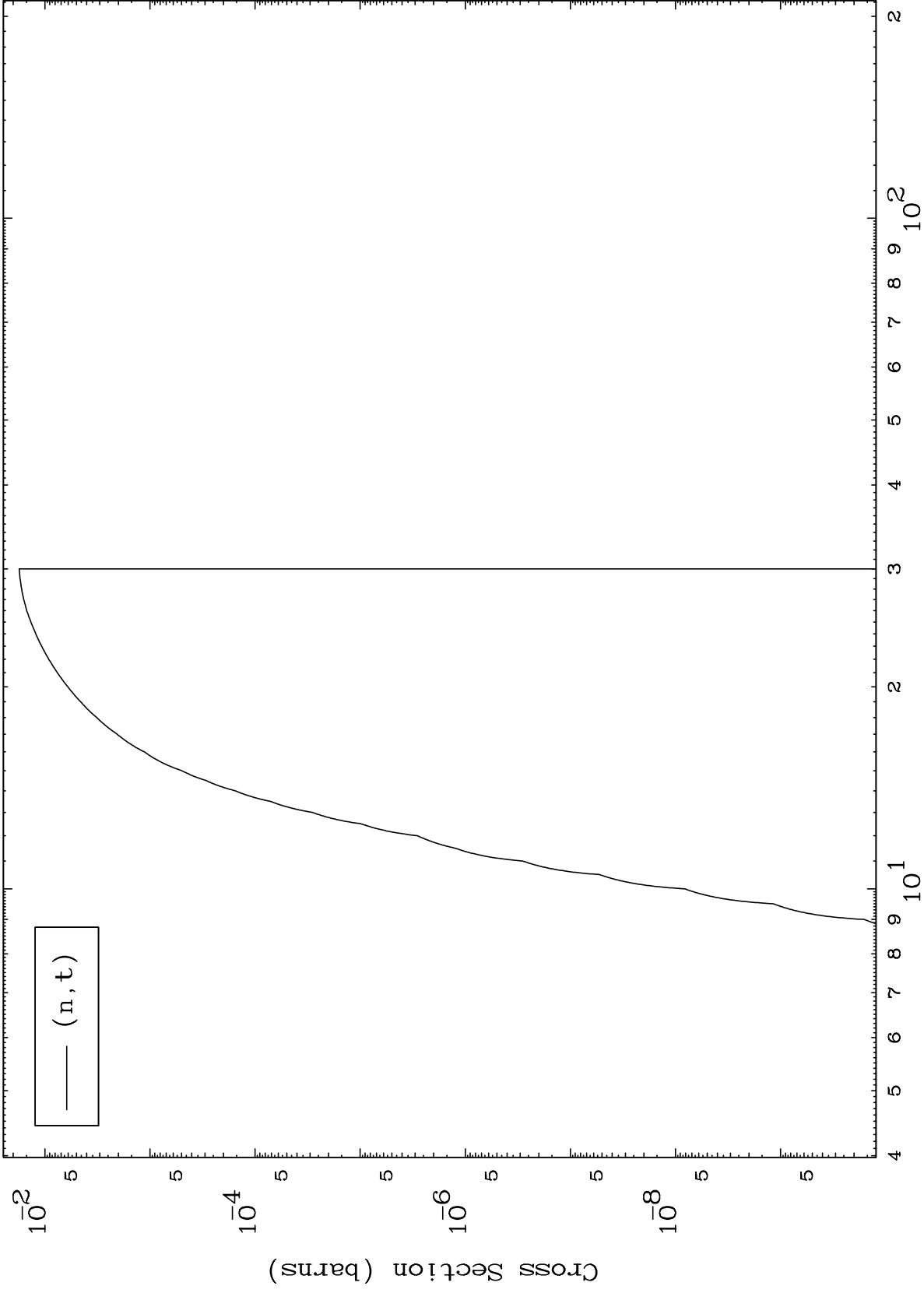
61-Pm-135m



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(n,t) Levels  
293 Kelvin Cross Sections

61-Pm-135m



12

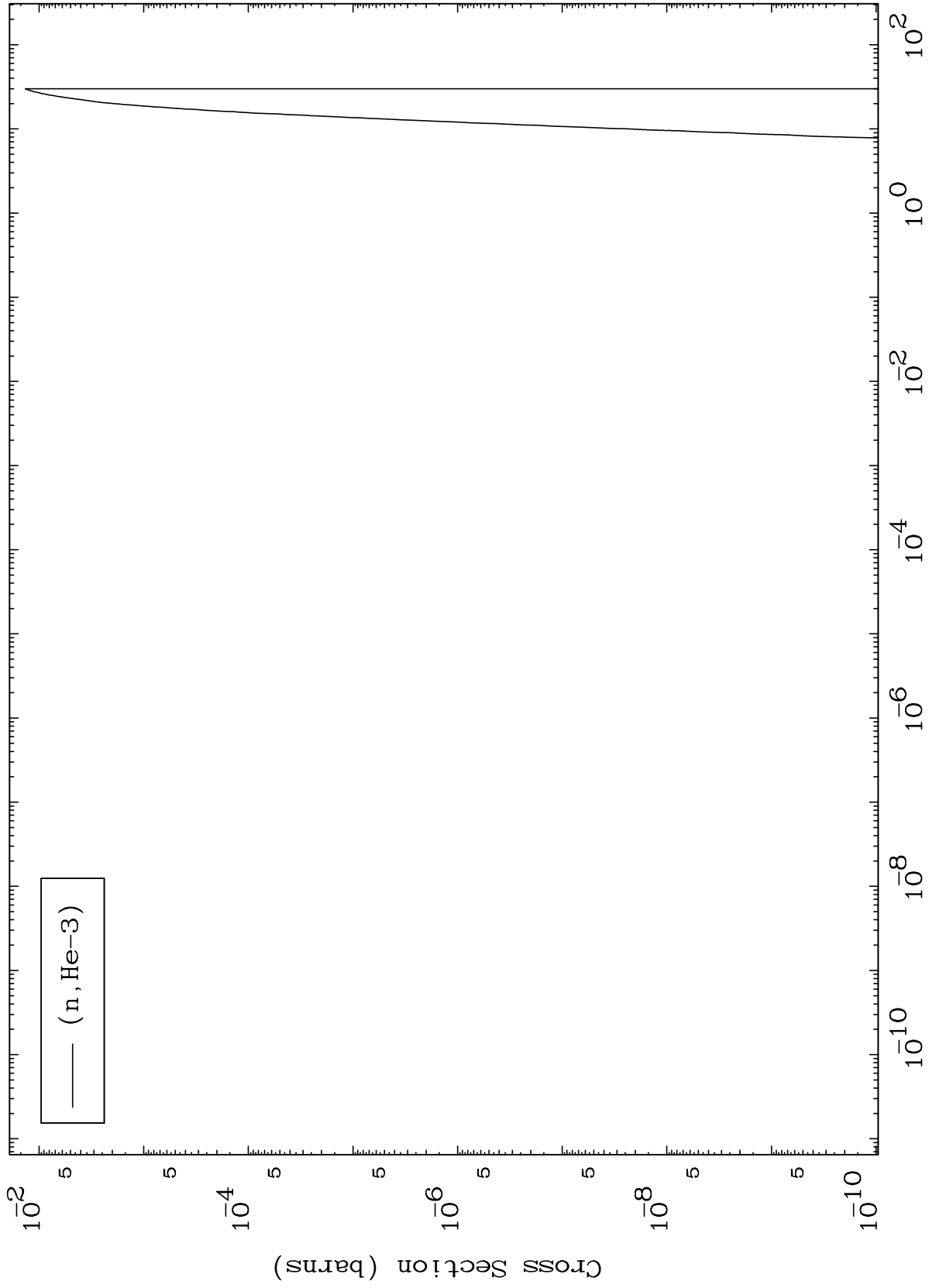
Incident Energy (MeV)

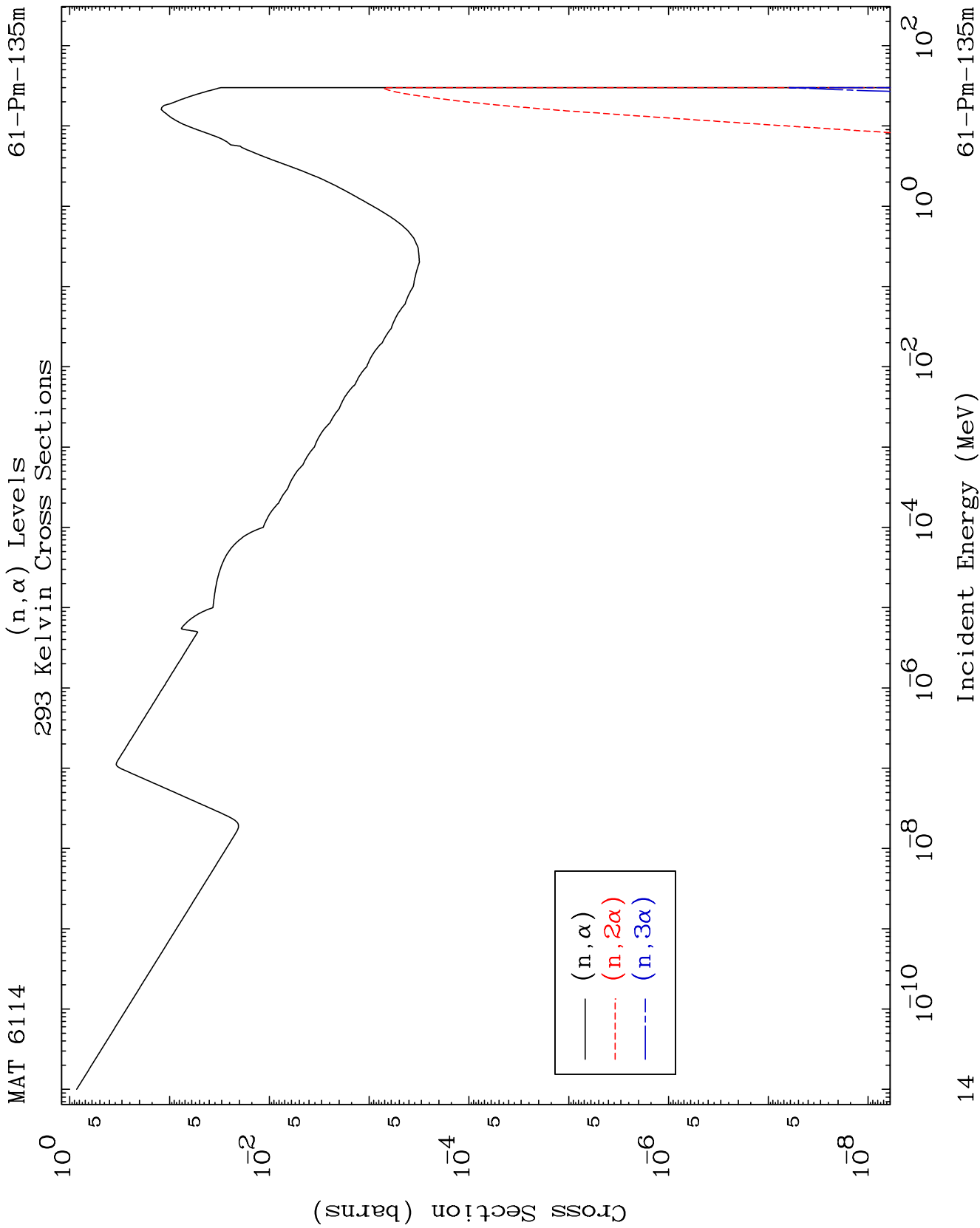
61-Pm-135m

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(n,He3) Levels  
293 Kelvin Cross Sections

61-Pm-135m





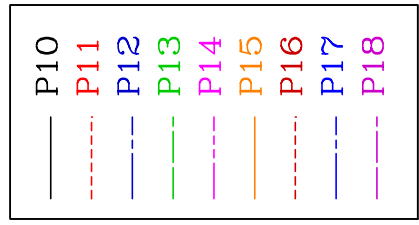




MAT 6114

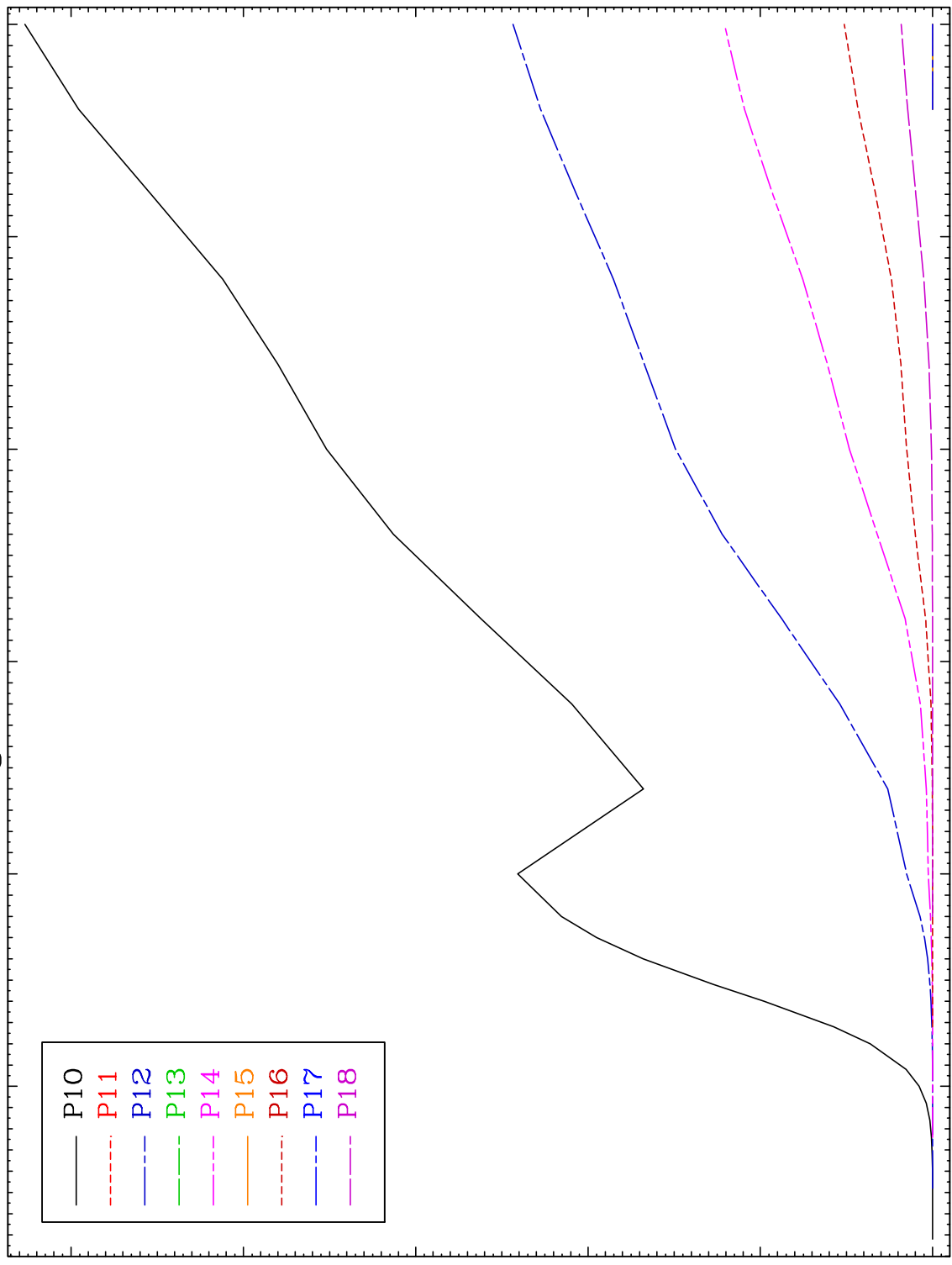
Elastic Legendre Coefficients

61-Pm-135m



$\times 10^{-45}$

Legendre (CM)



16

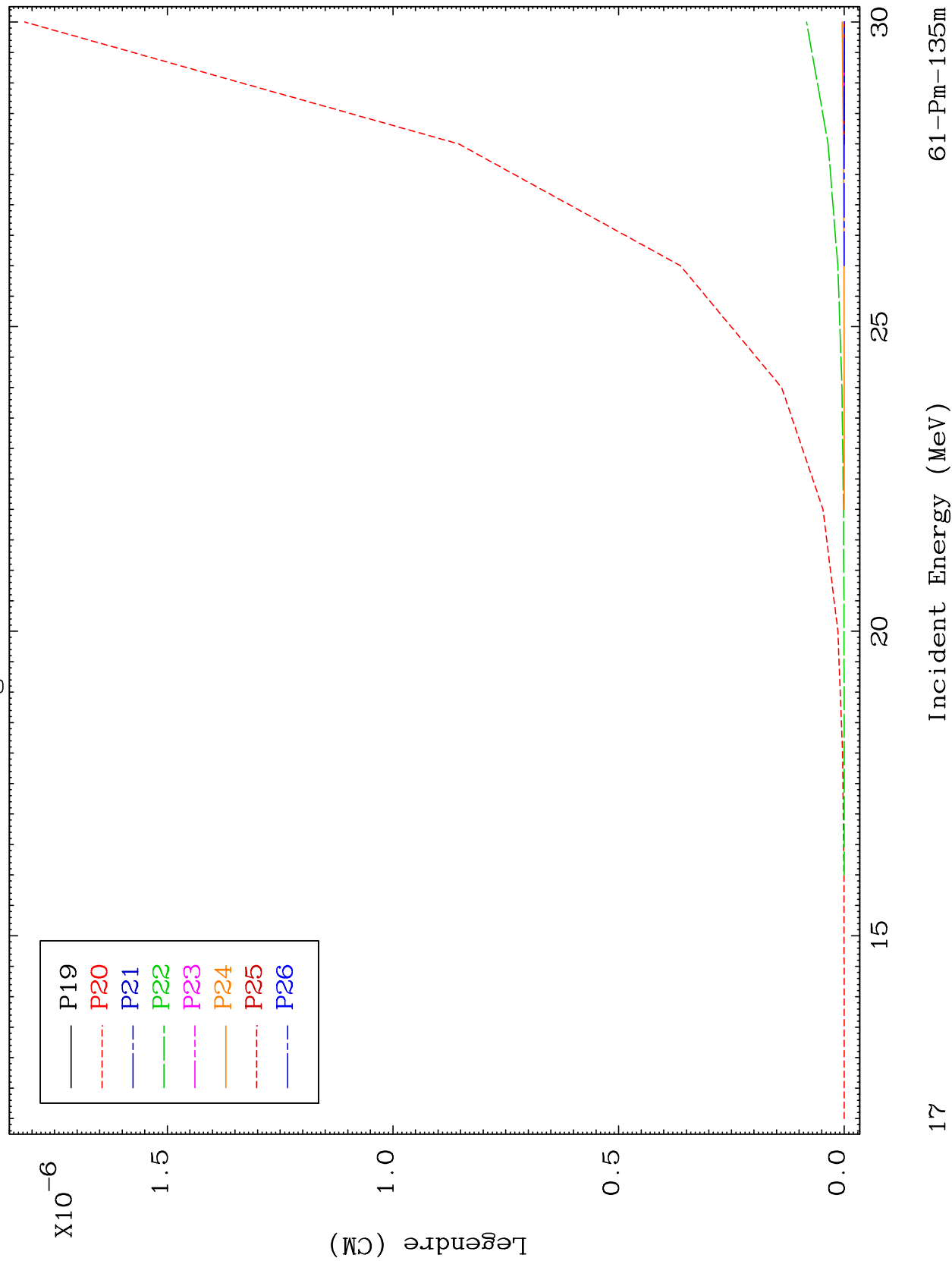
Incident Energy (MeV)

61-Pm-135m

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Elastic  
Legendre Coefficients

61-Pm-135m



17

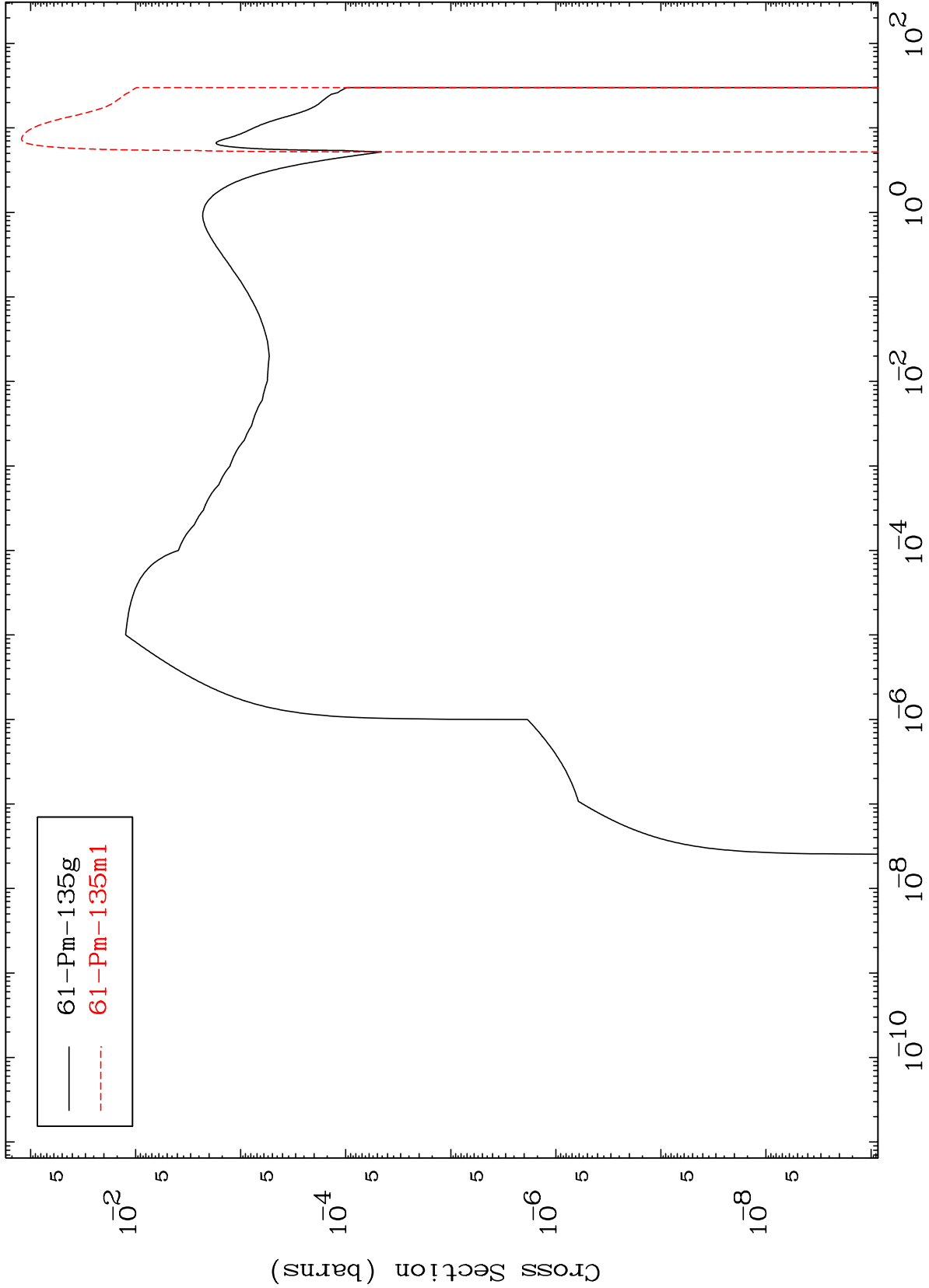
Incident Energy (MeV)

61-Pm-135m

MAT 6114

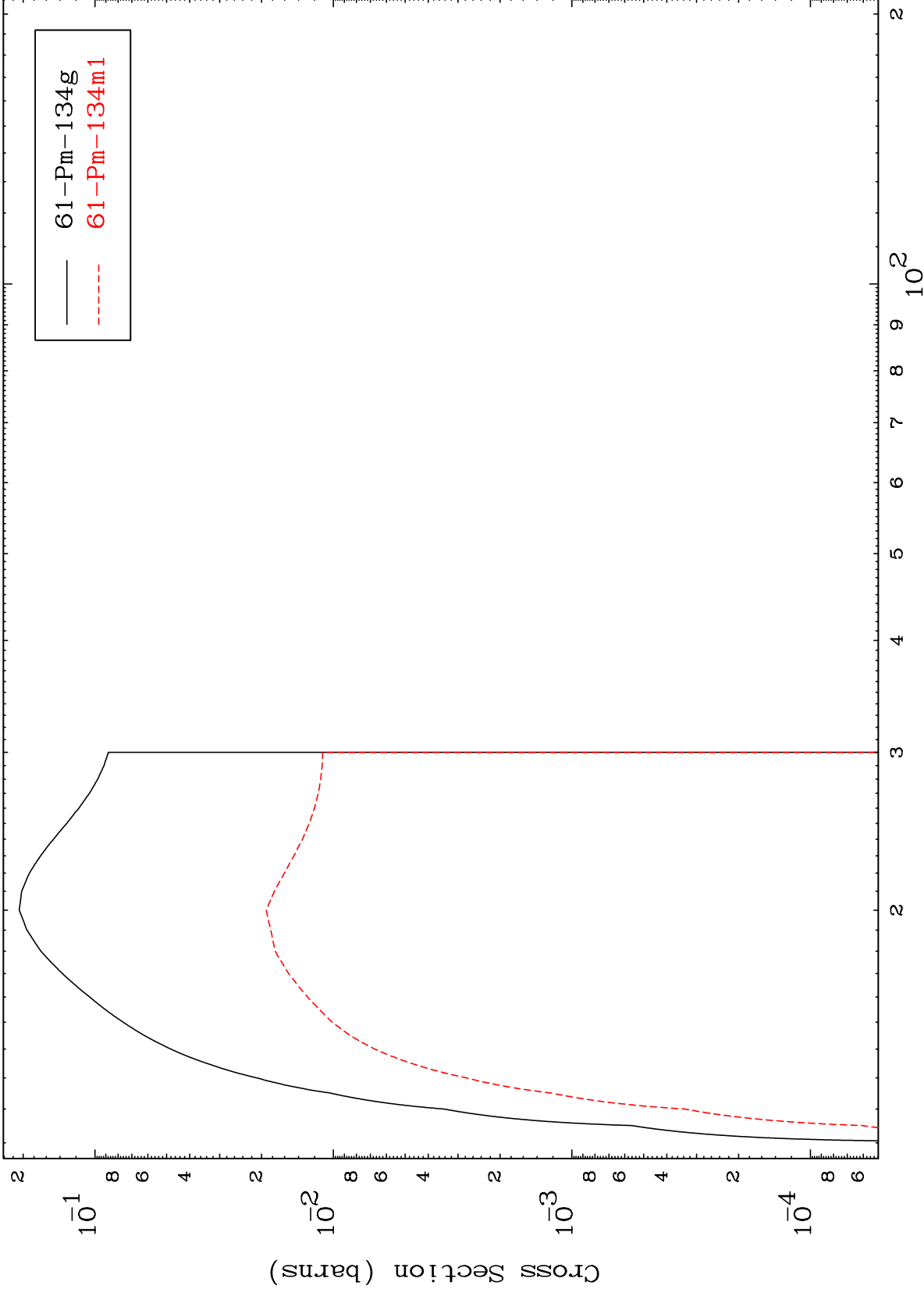
Inelastic  
Radionuclide Production Cross Section

61-Pm-135m



61-Pm-135m

Radionuclide Production Cross Section



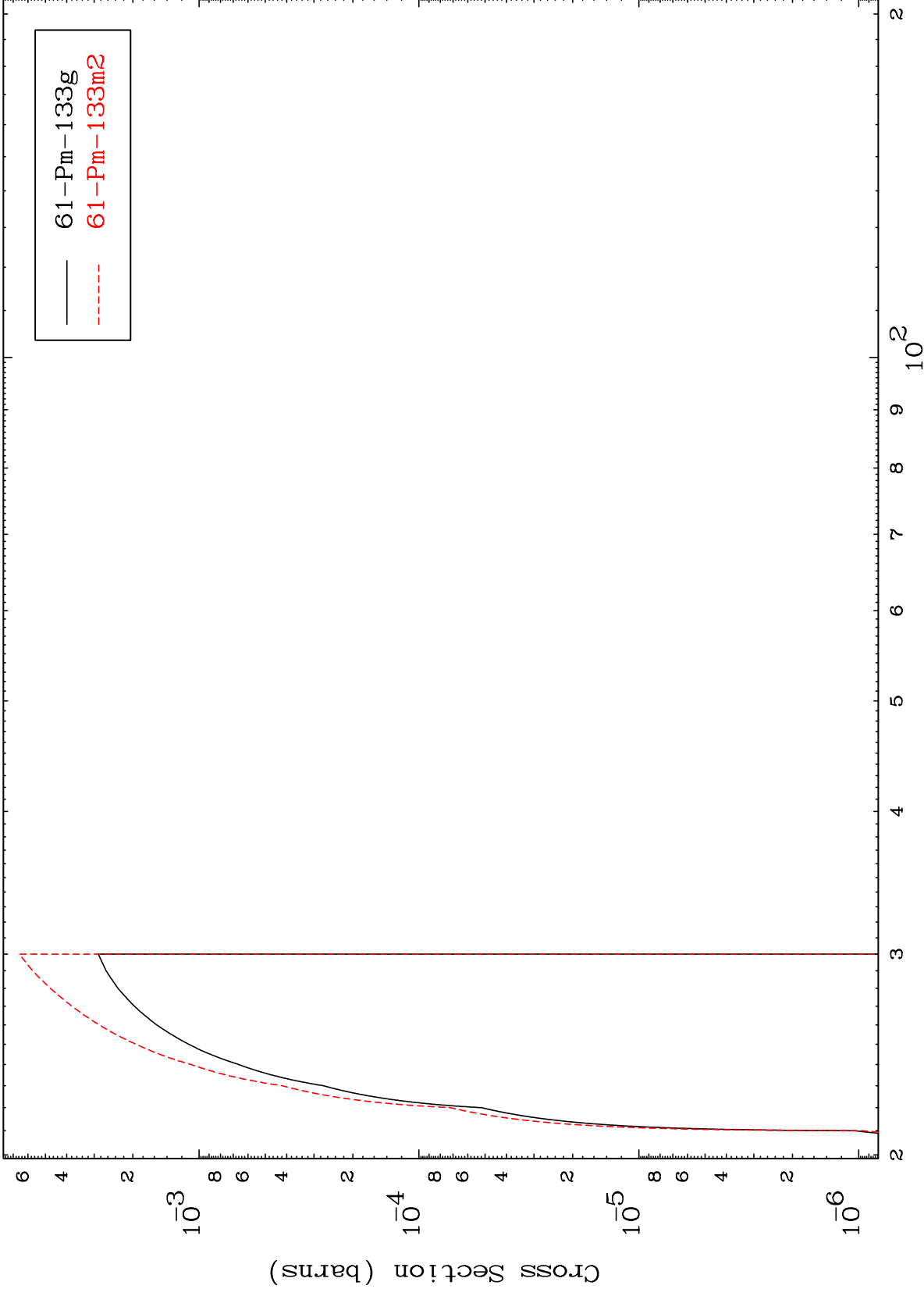
61-Pm-134g  
61-Pm-134m1

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(n,3n)

61-Pm-135m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

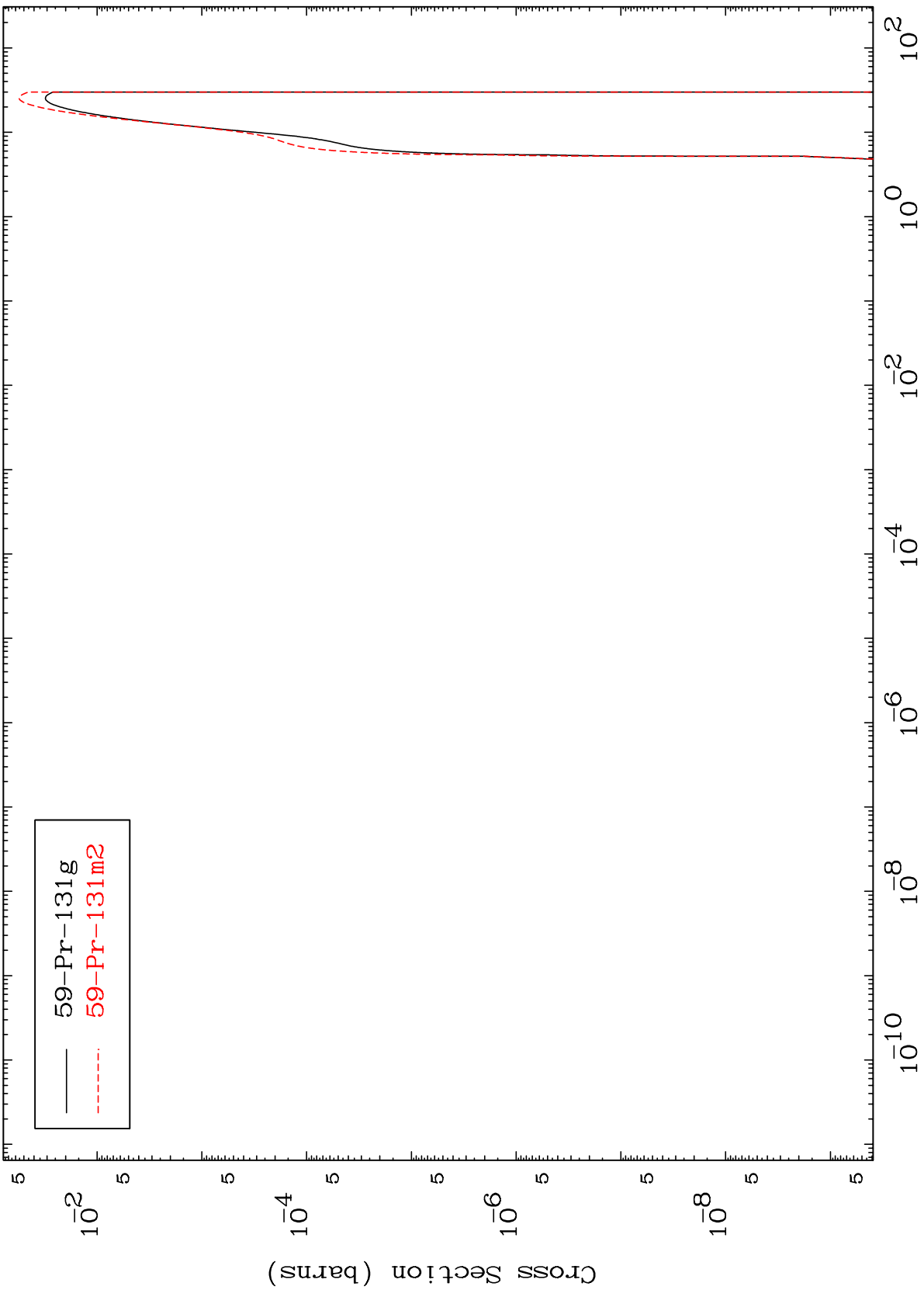
61-Pm-135m

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$(n, n')$   $\alpha$

61-Pm-135m

Radionuclide Production Cross Section

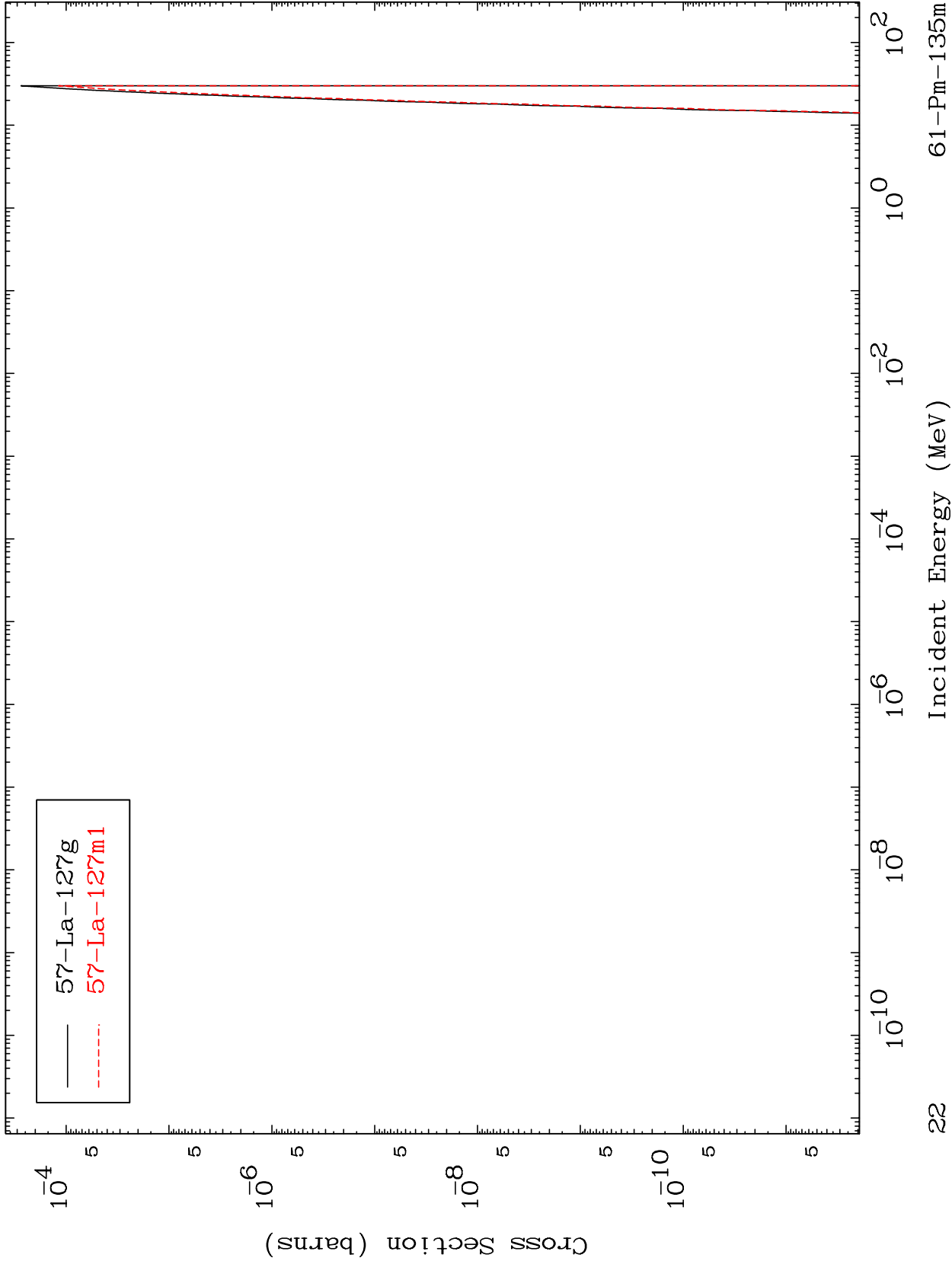


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(n,n') 2α

61-Pm-135m

Radionuclide Production Cross Section

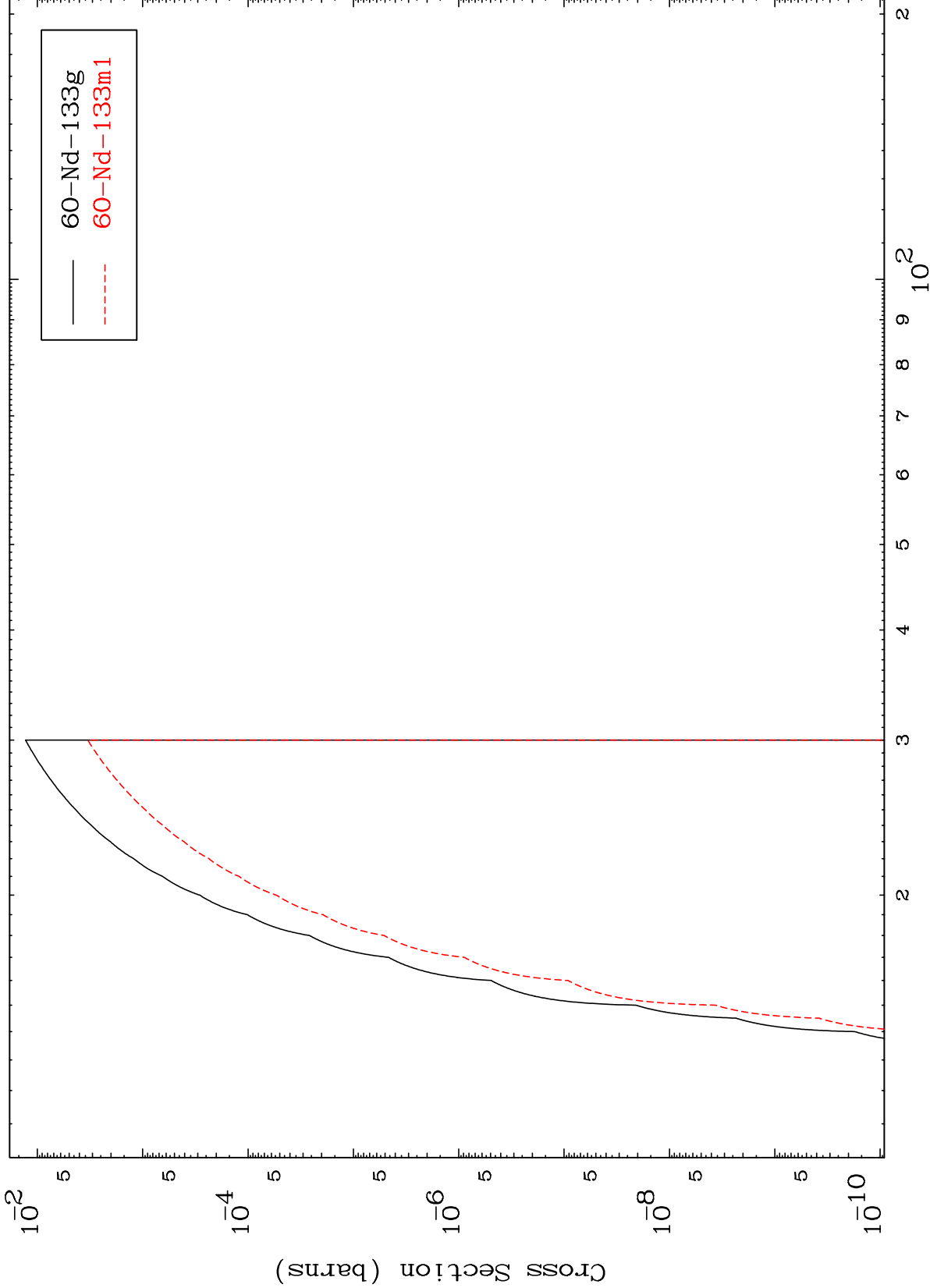


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(n,n') d

61-Pm-135m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

61-Pm-135m

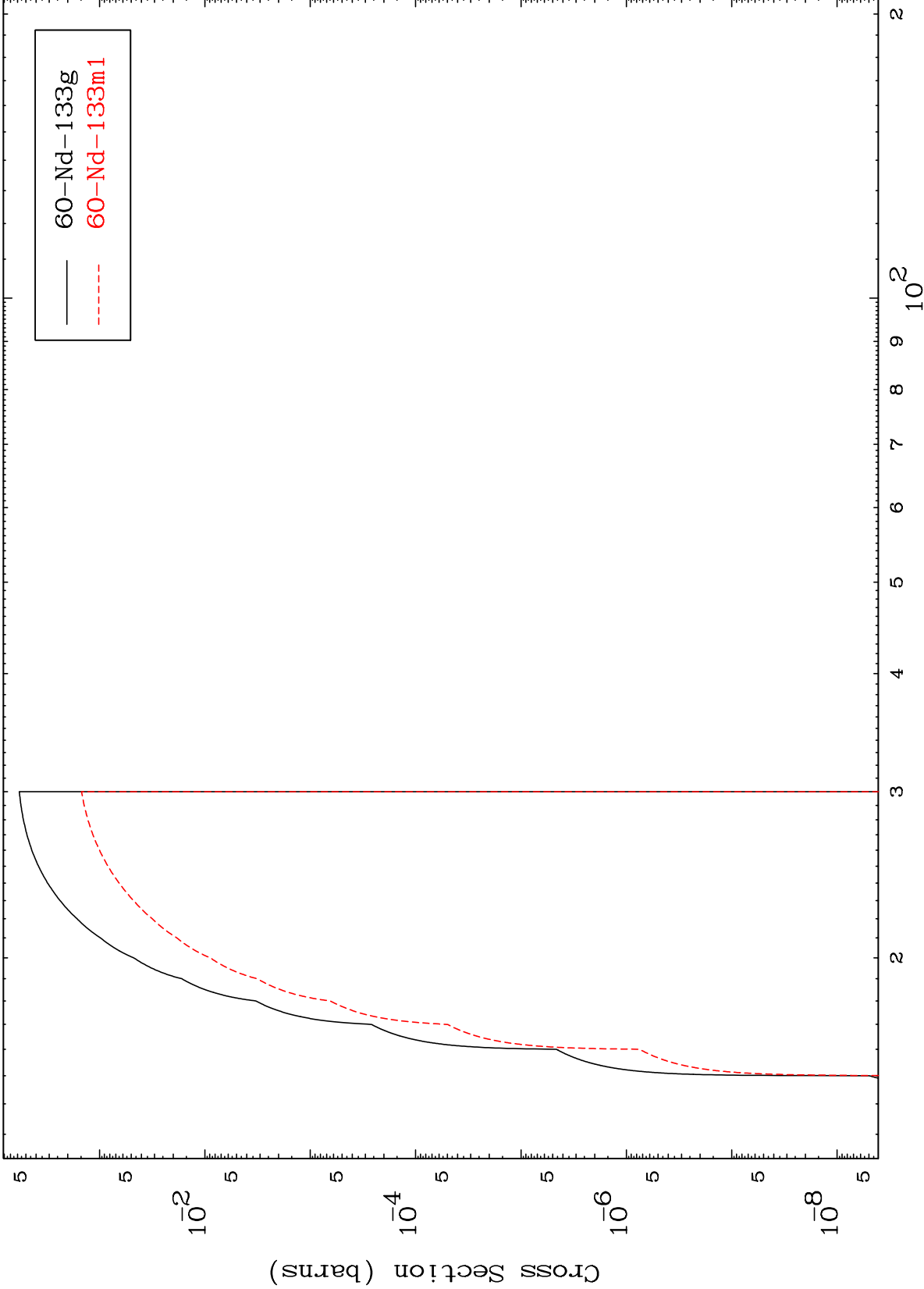


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(n,2n) p

61-Pm-135m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

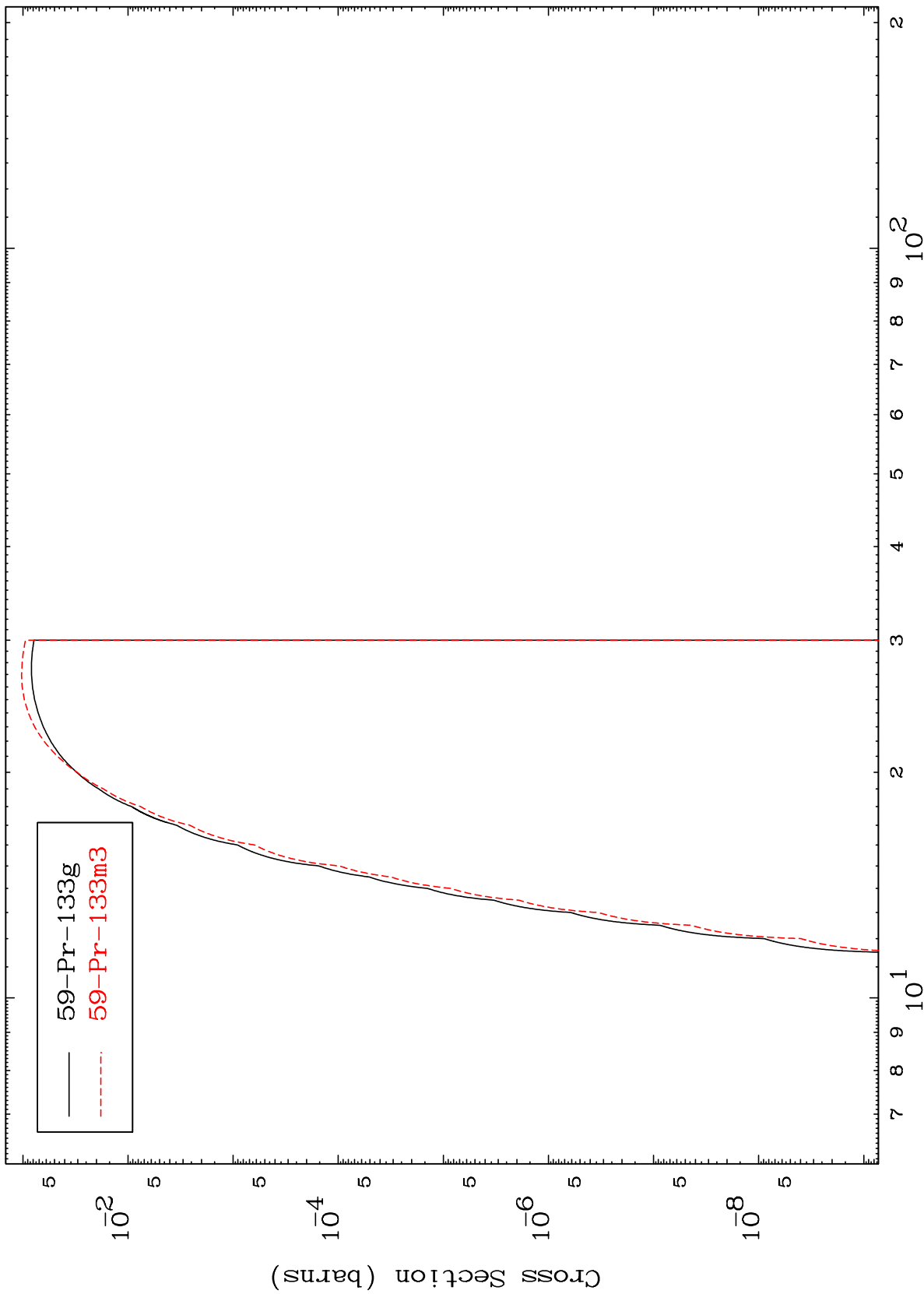
61-Pm-135m

MAT 6114

(n,2n) p

61-Pm-135m

Radionuclide Production Cross Section



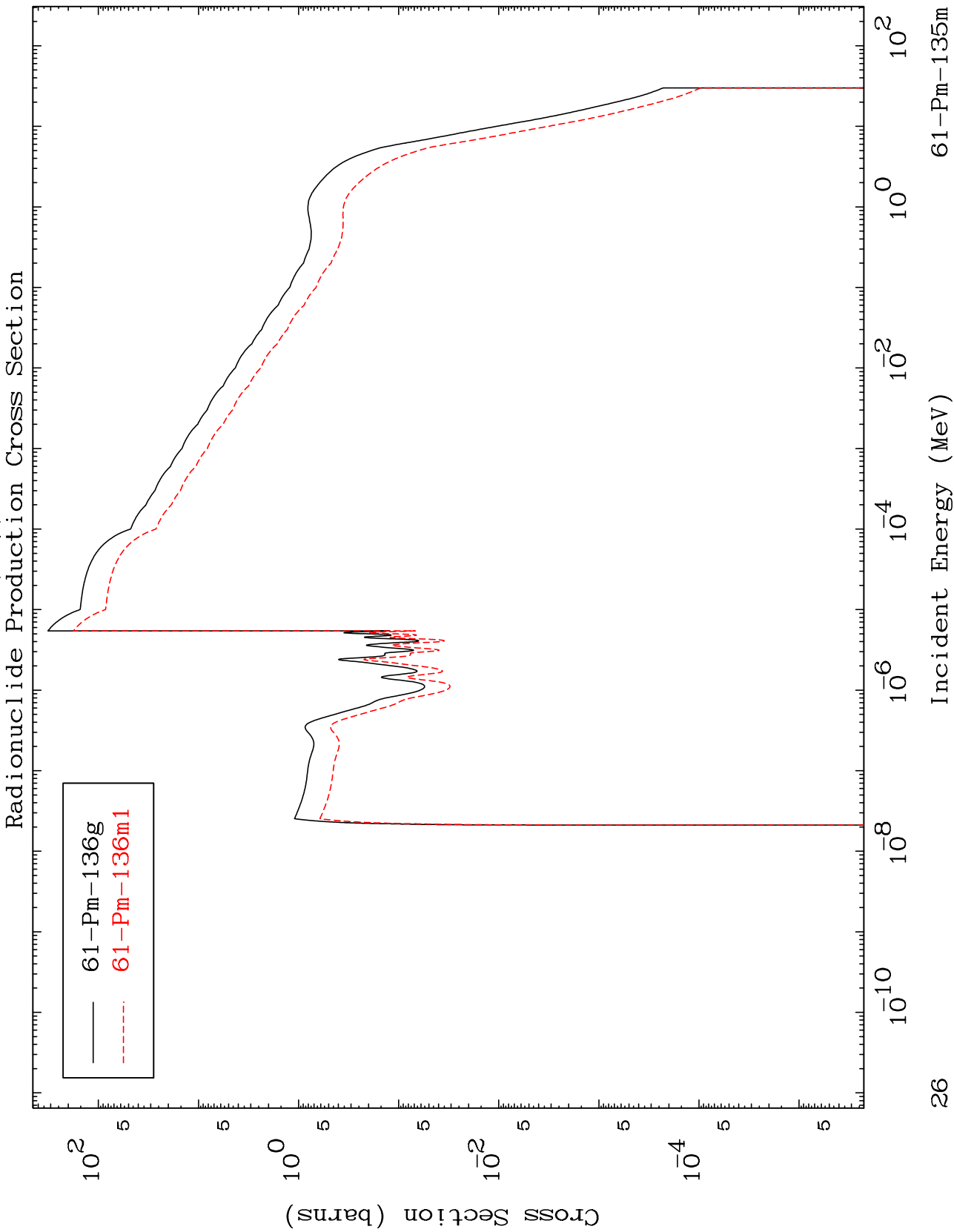
25

Incident Energy (MeV)

61-Pm-135m

MAT 6114

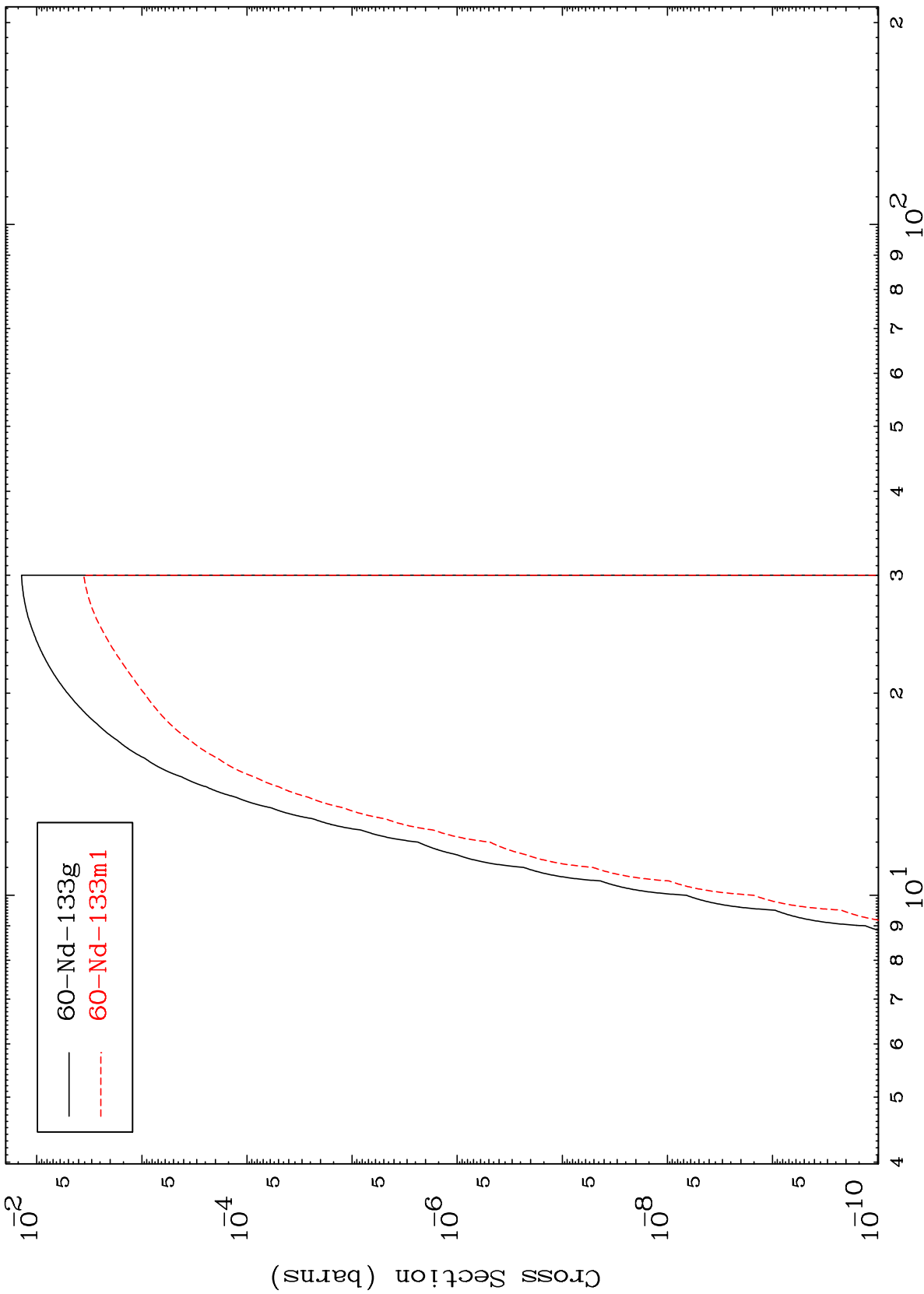
61-Pm-135m



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61-Pm-135m

(n, t)  
Radionuclide Production Cross Section



27

Incident Energy (MeV)

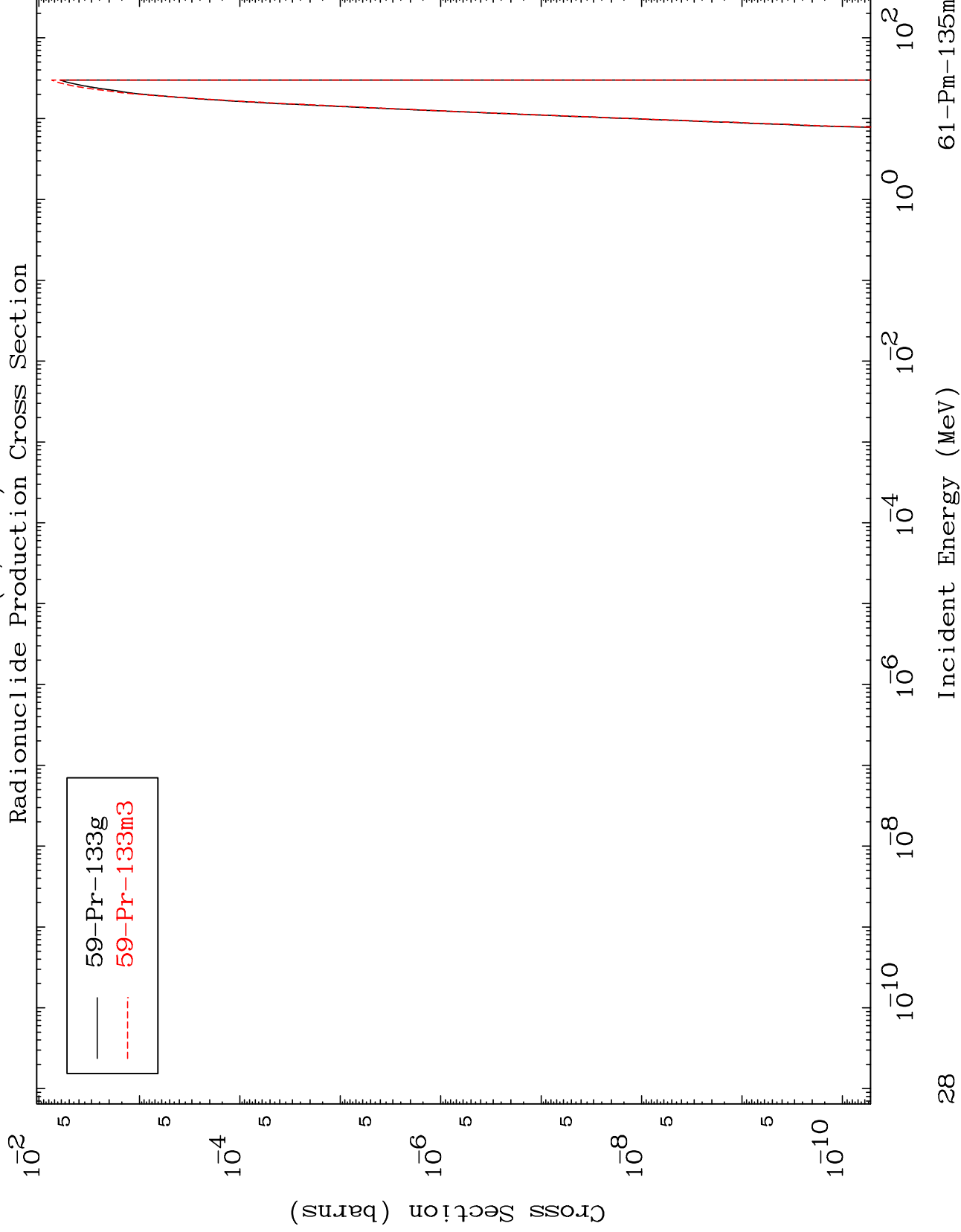
61-Pm-135m

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(n,He-3)

61-Pm-135m

Radionuclide Production Cross Section

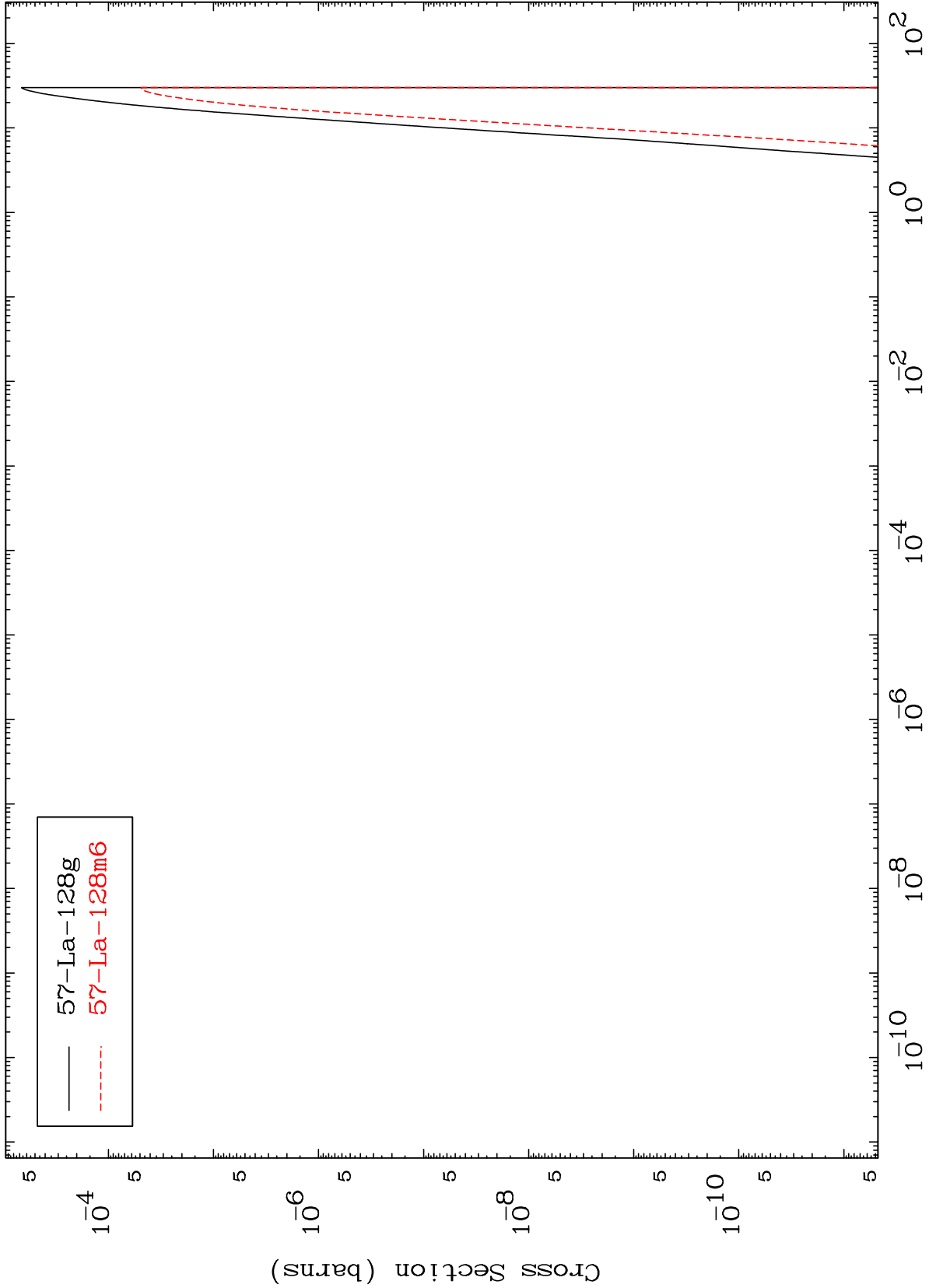


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(n,2α)

61-Pm-135m

Radionuclide Production Cross Section

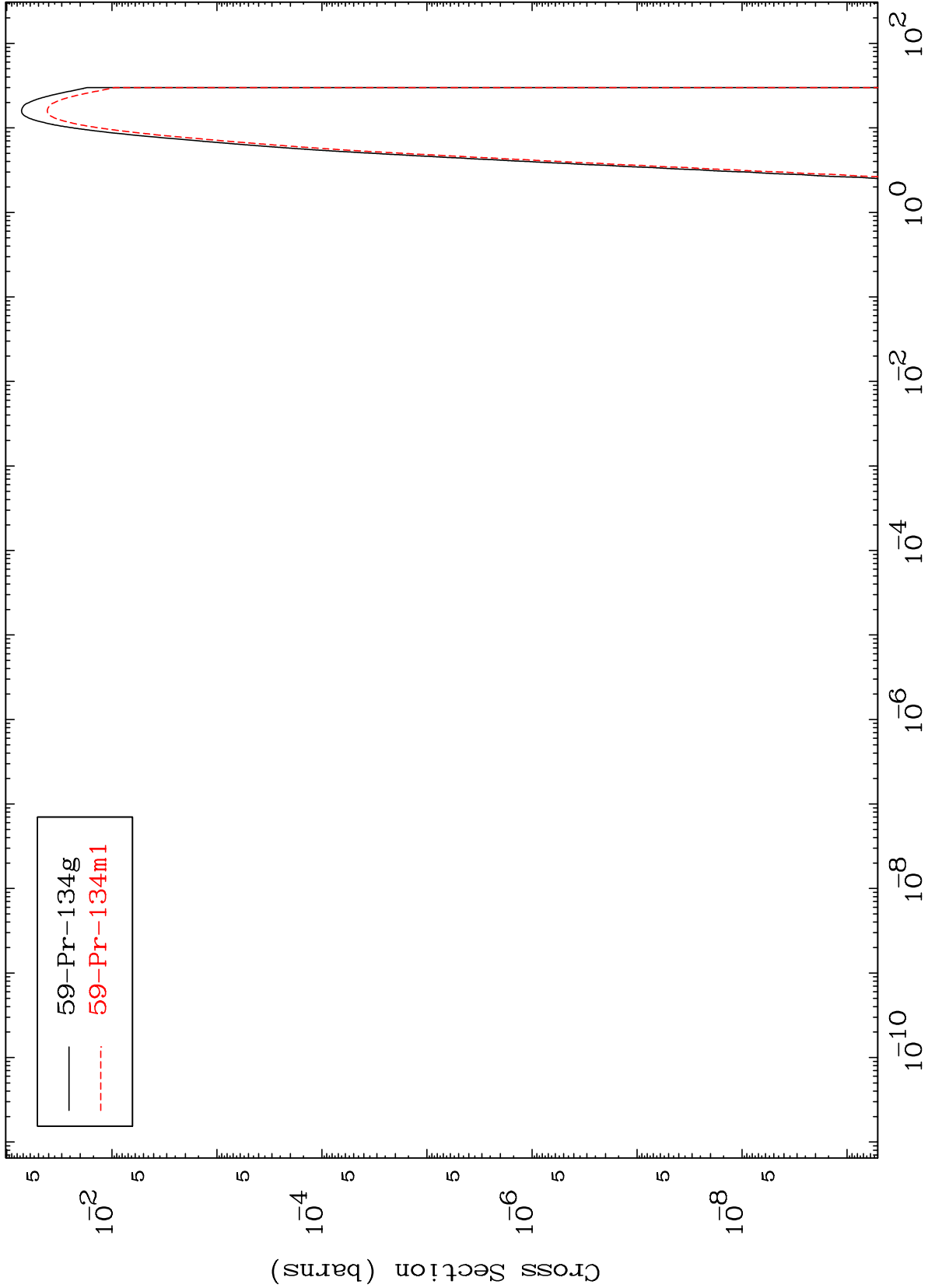


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(n,2p)

61-Pm-135m

Radionuclide Production Cross Section

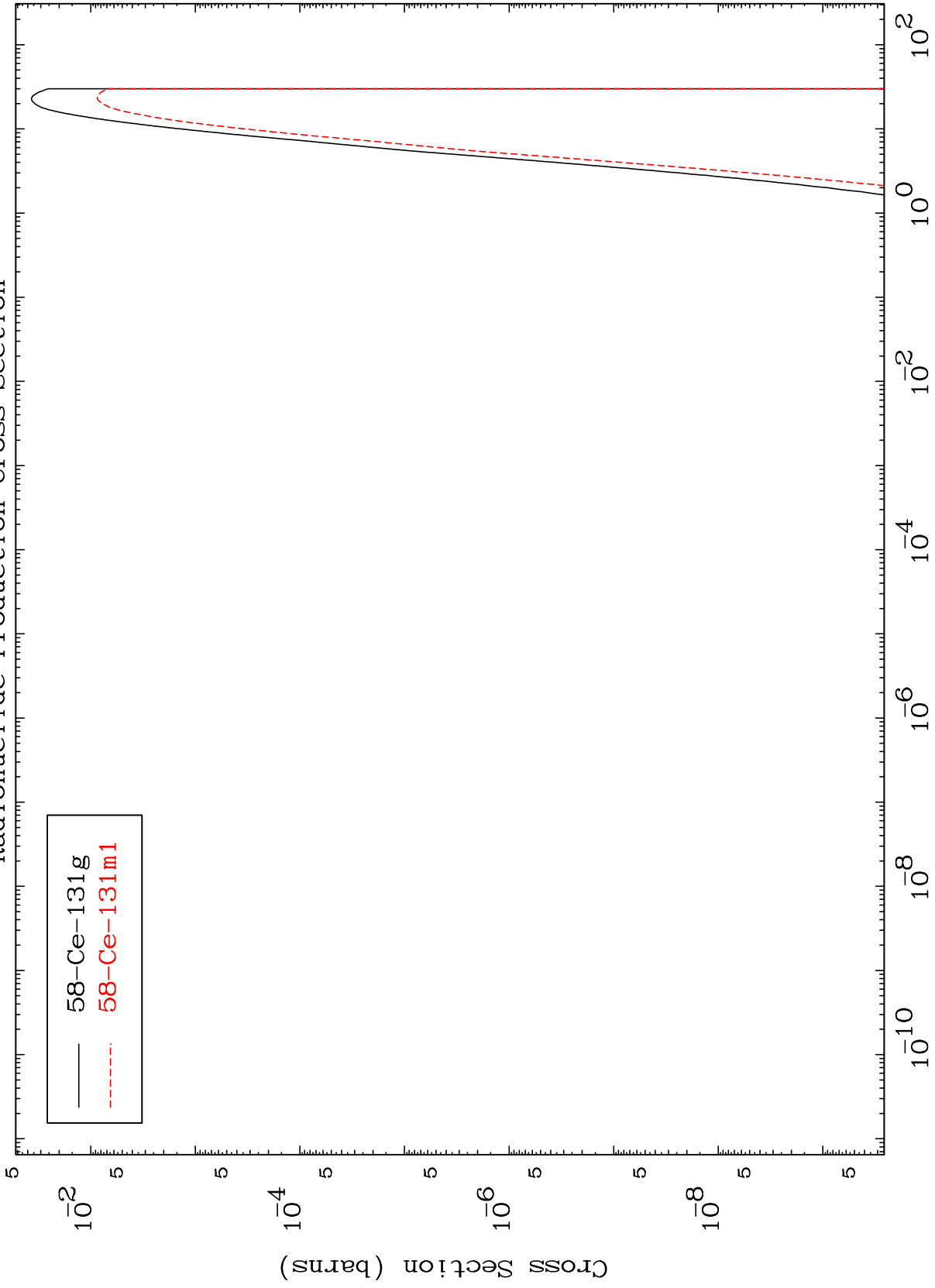


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(n,p)  $\alpha$

61-Pm-135m

Radionuclide Production Cross Section



58-Ce-131g  
58-Ce-131m1

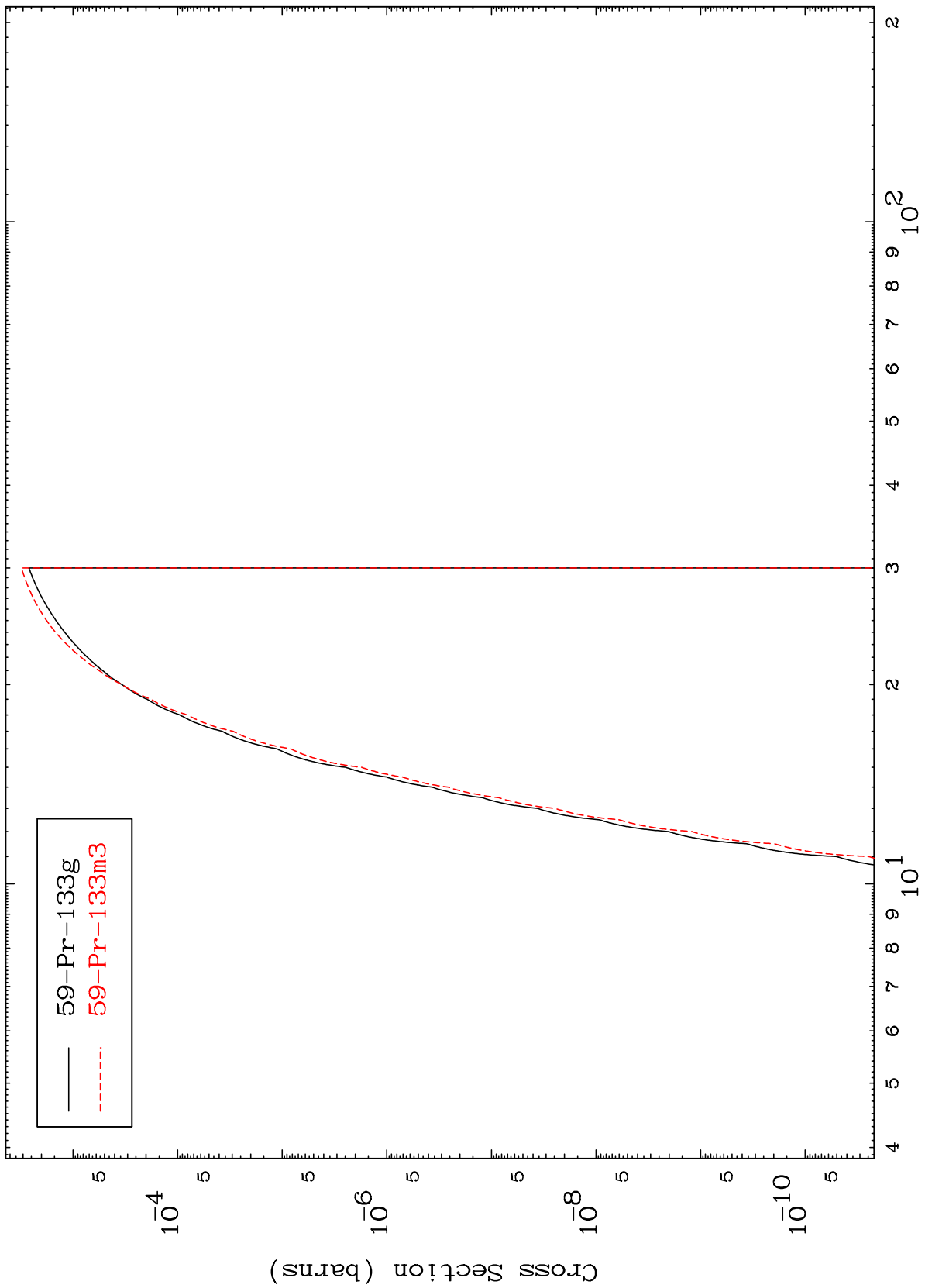


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(n,p) d

61-Pm-135m

Radionuclide Production Cross Section



32

Incident Energy (MeV)

61-Pm-135m