

Program EVALPLOT  
(Version 2021-1)

by

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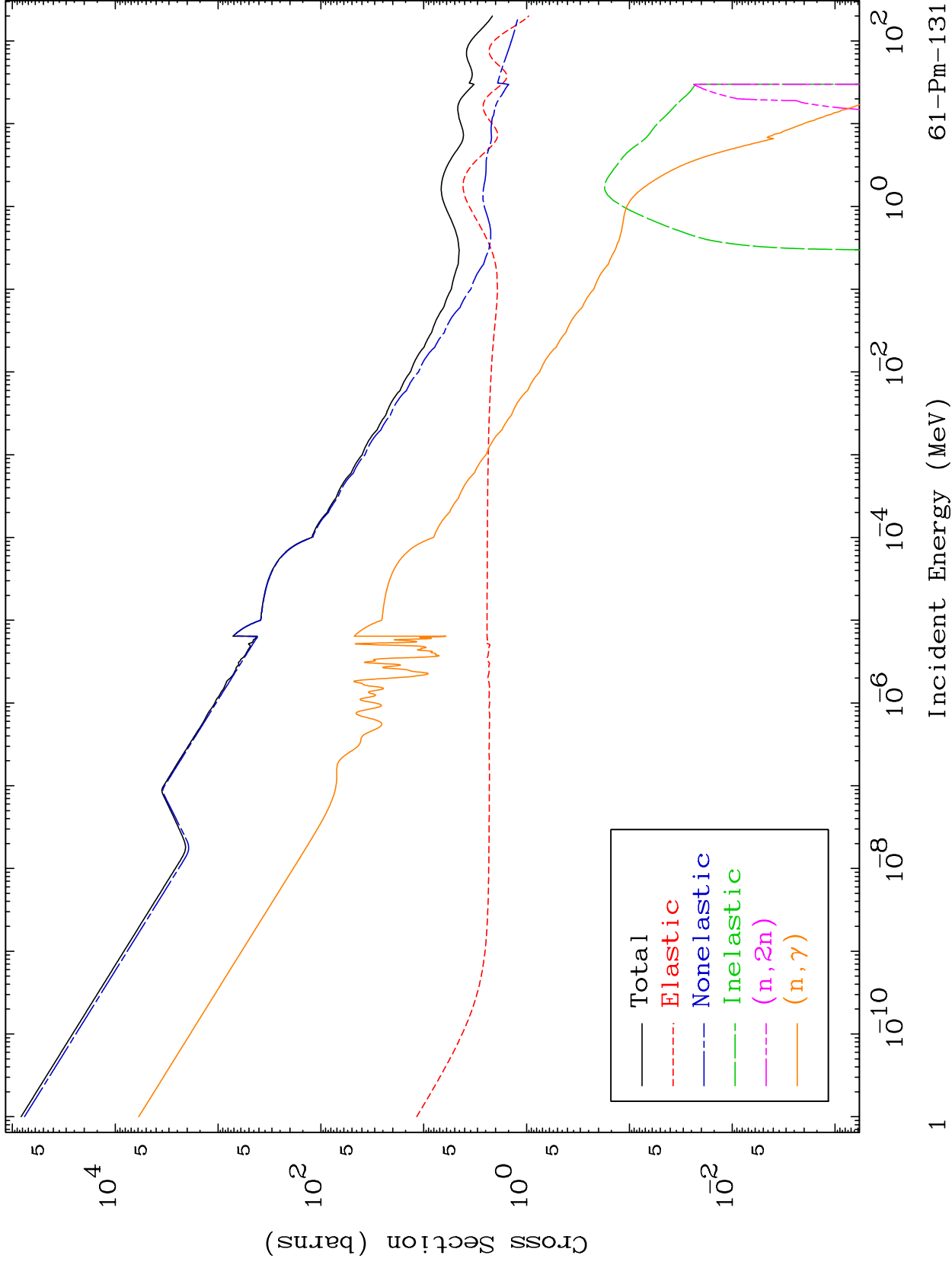
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6101

Neutron Major  
293 Kelvin Cross Sections

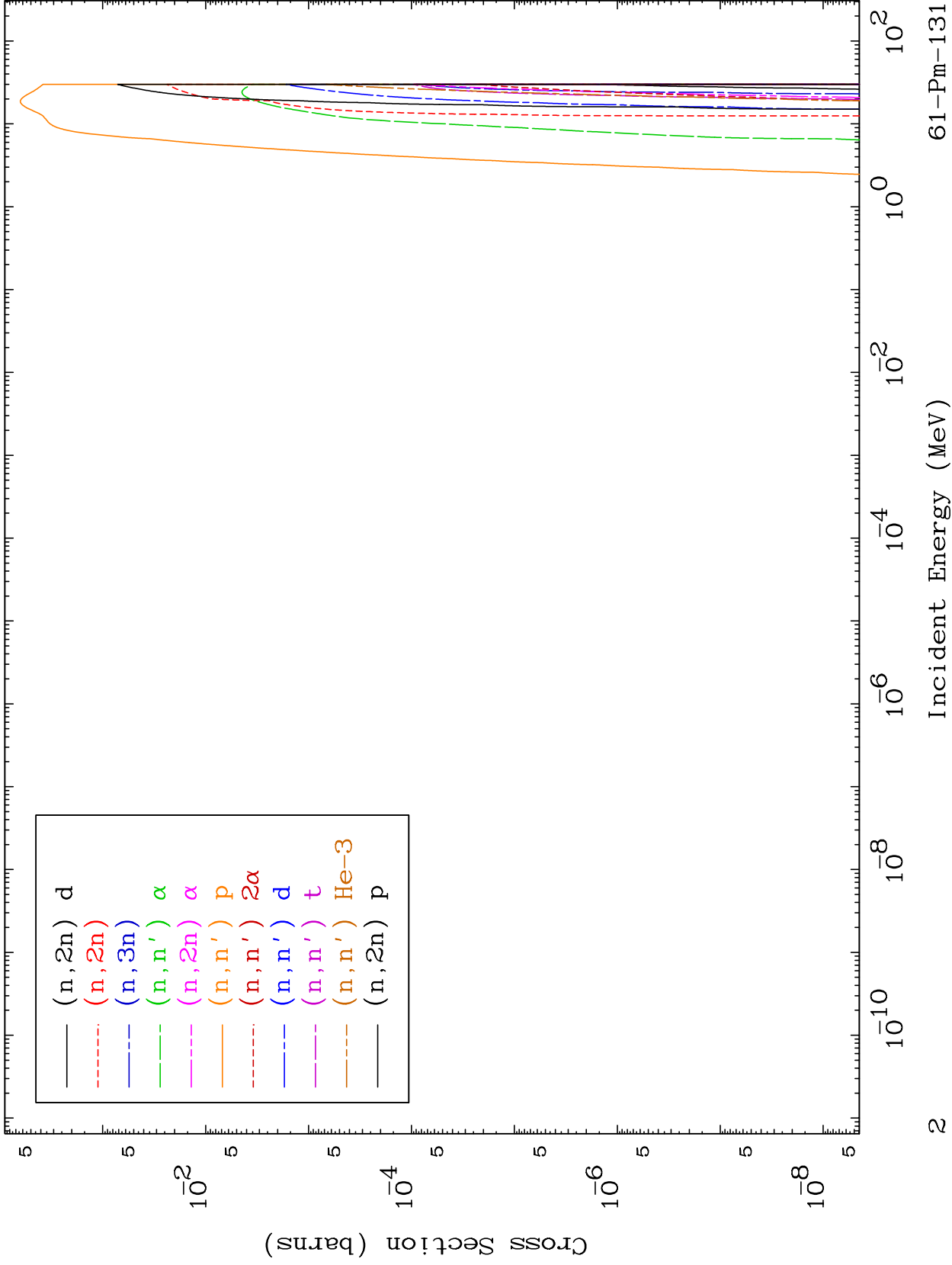
61-Pm-131

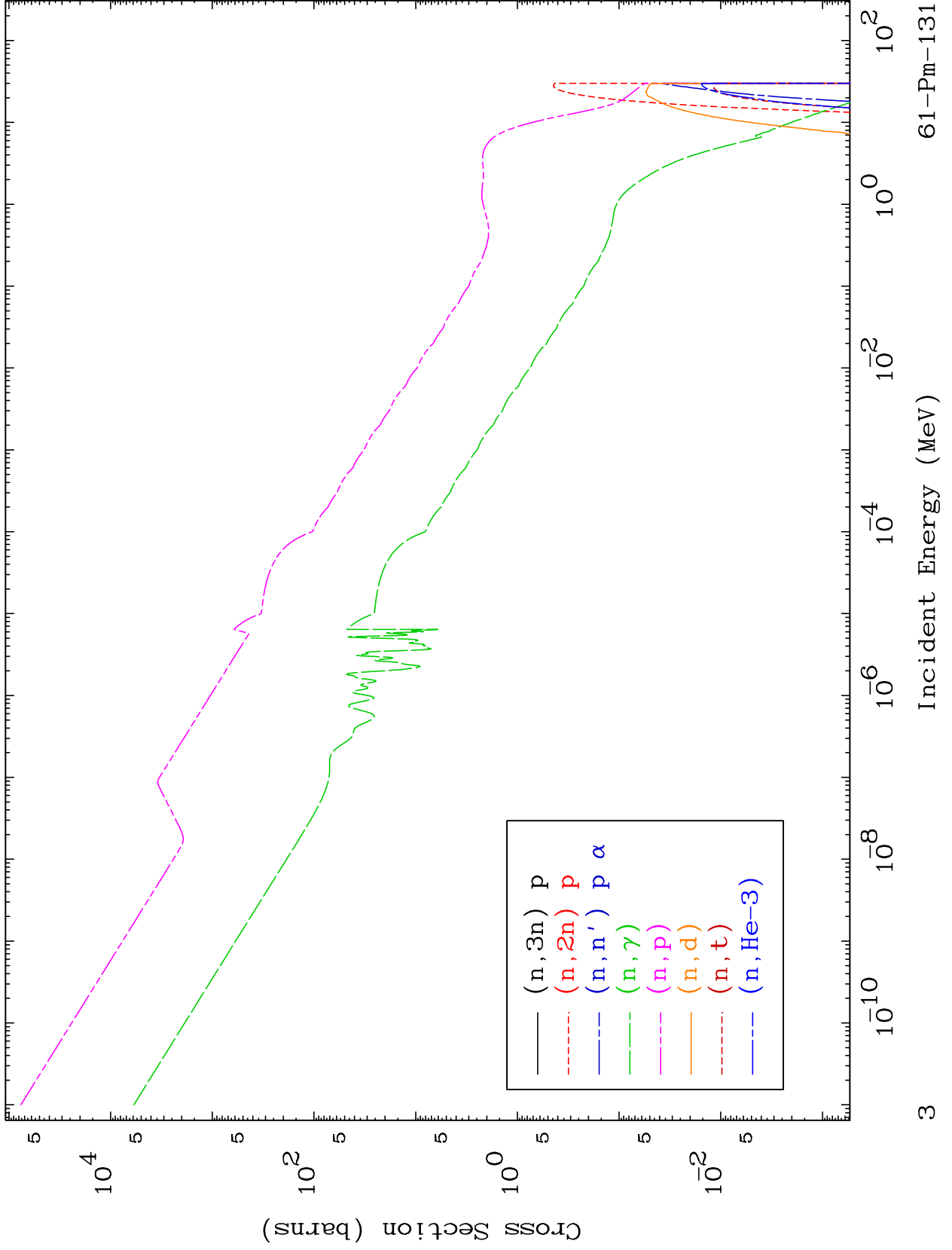


MAT 6101

Neutron Absorption  
293 Kelvin Cross Sections

61-Pm-131

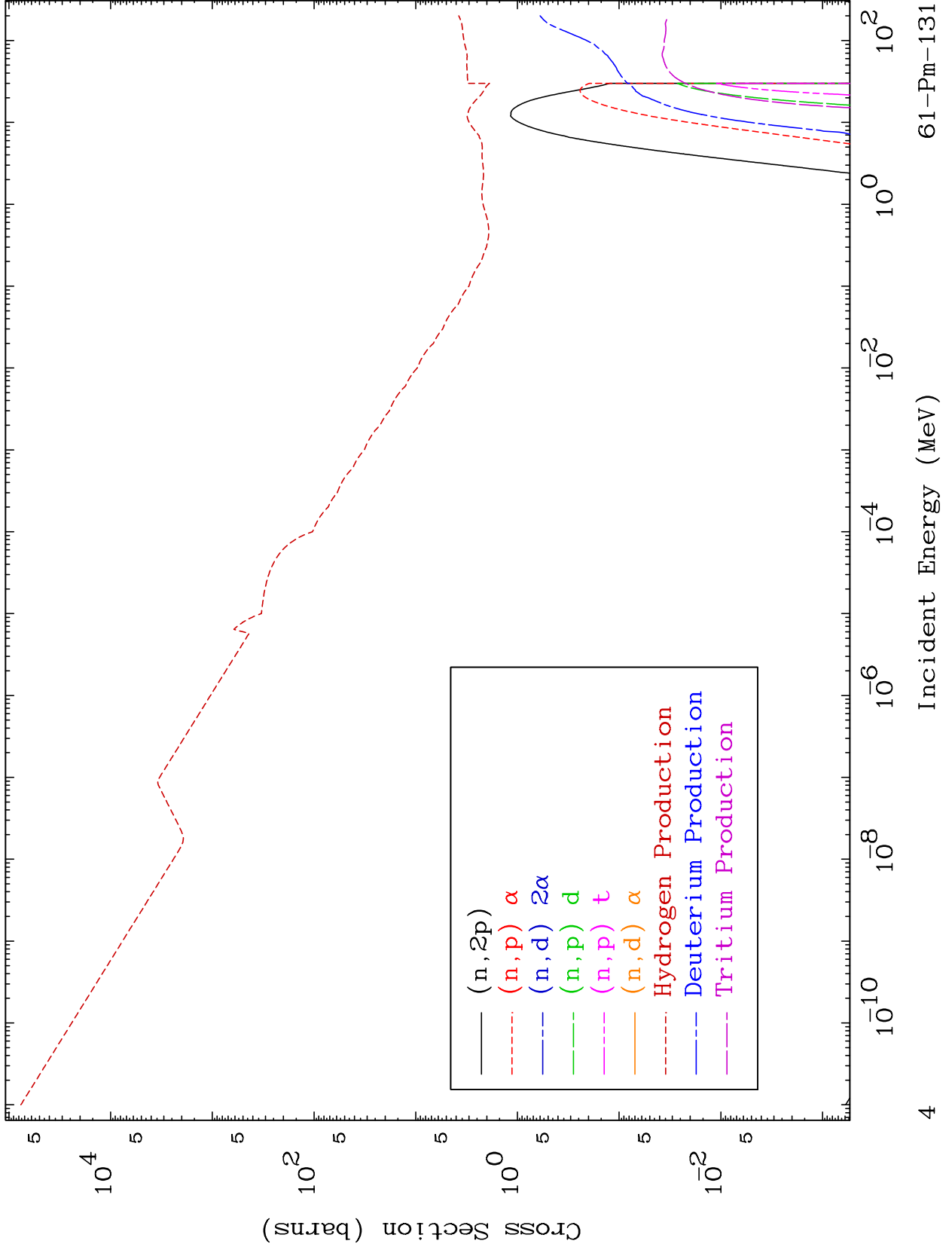




MAT 6101

Neutron Absorption  
293 Kelvin Cross Sections

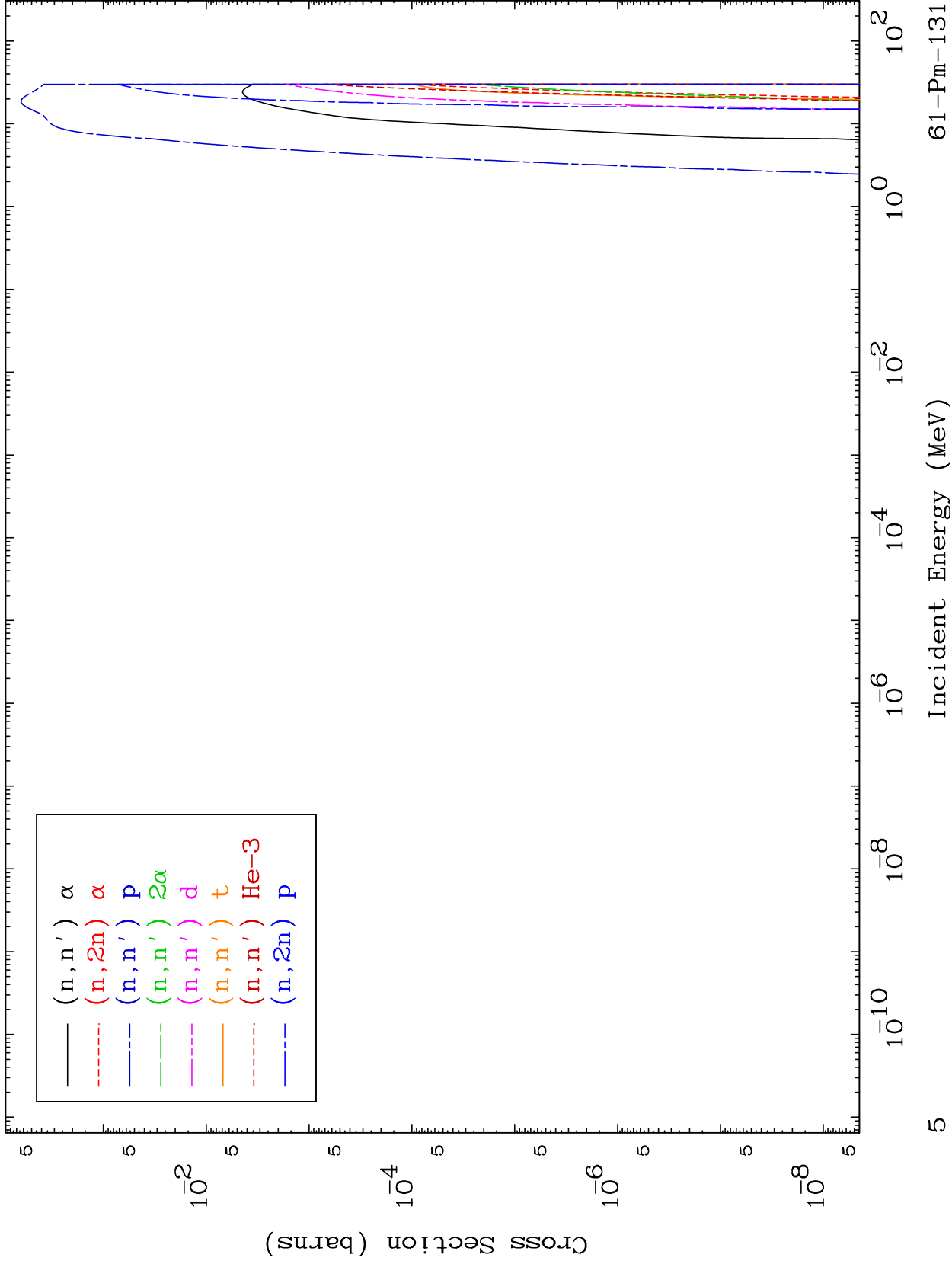
61-Pm-131



MAT 6101

Charged Particle  
293 Kelvin Cross Sections

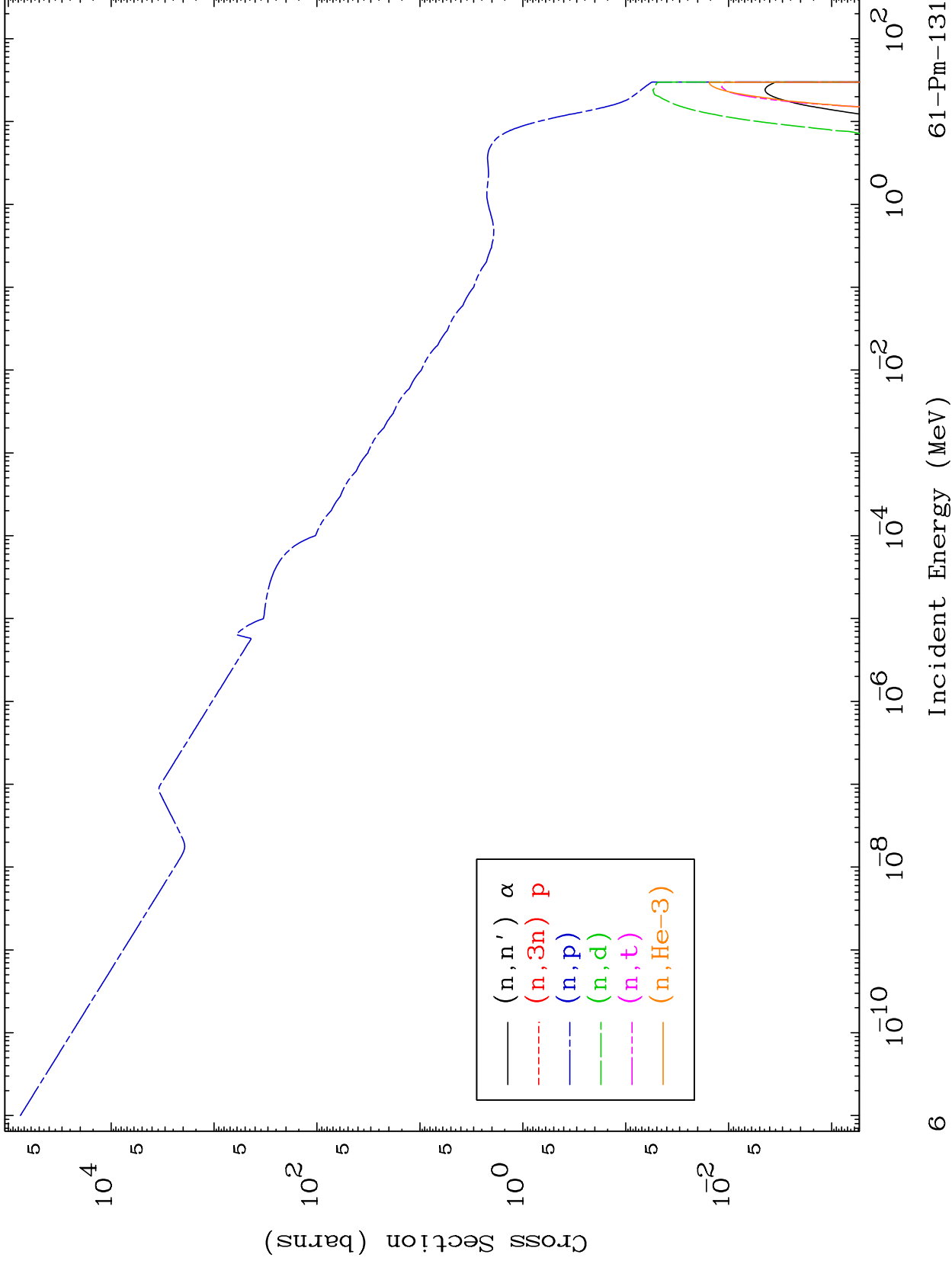
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Charged Particle  
293 Kelvin Cross Sections

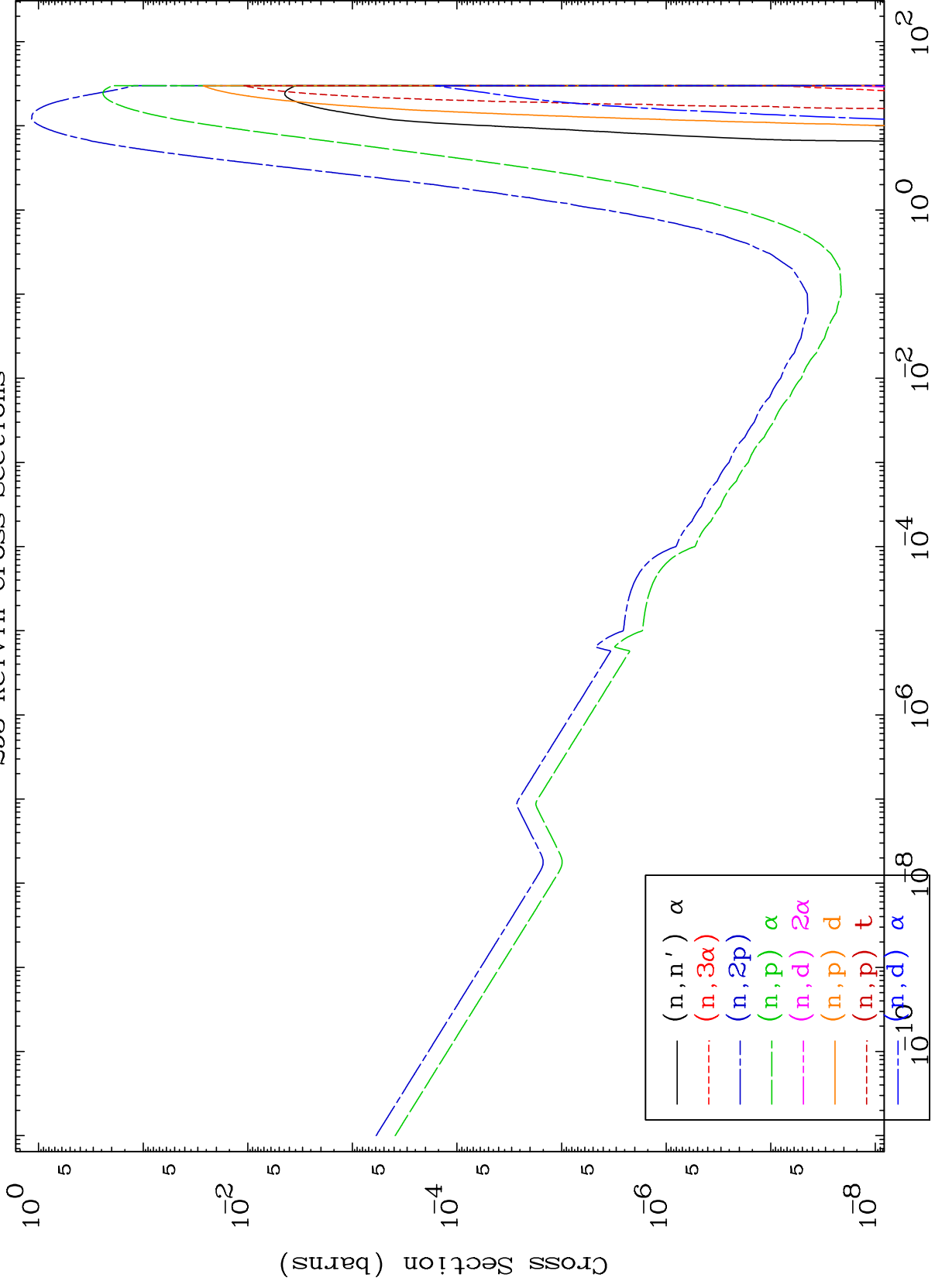
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MAT 6101

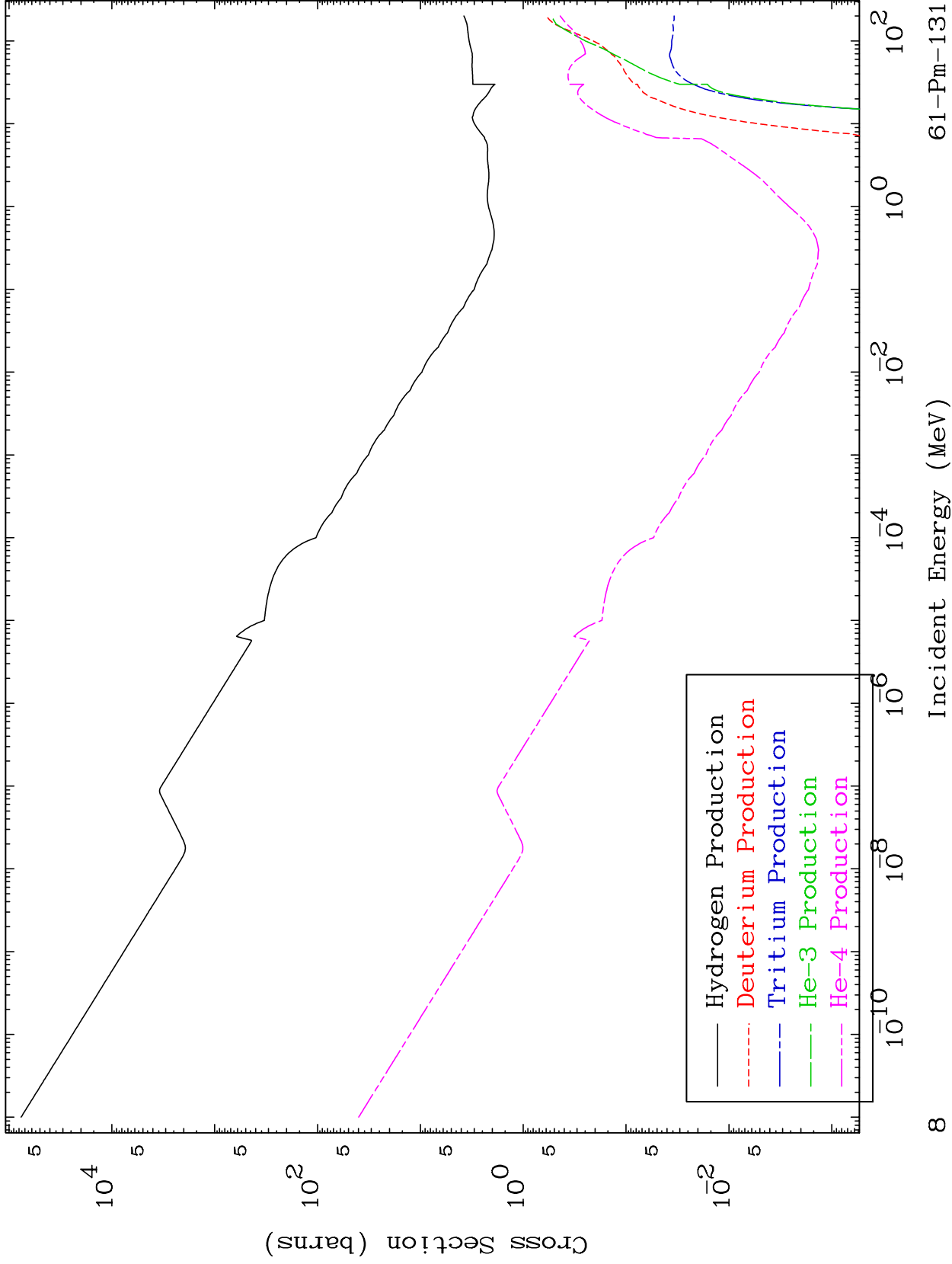
Charged Particle  
293 Kelvin Cross Sections

61-Pm-131

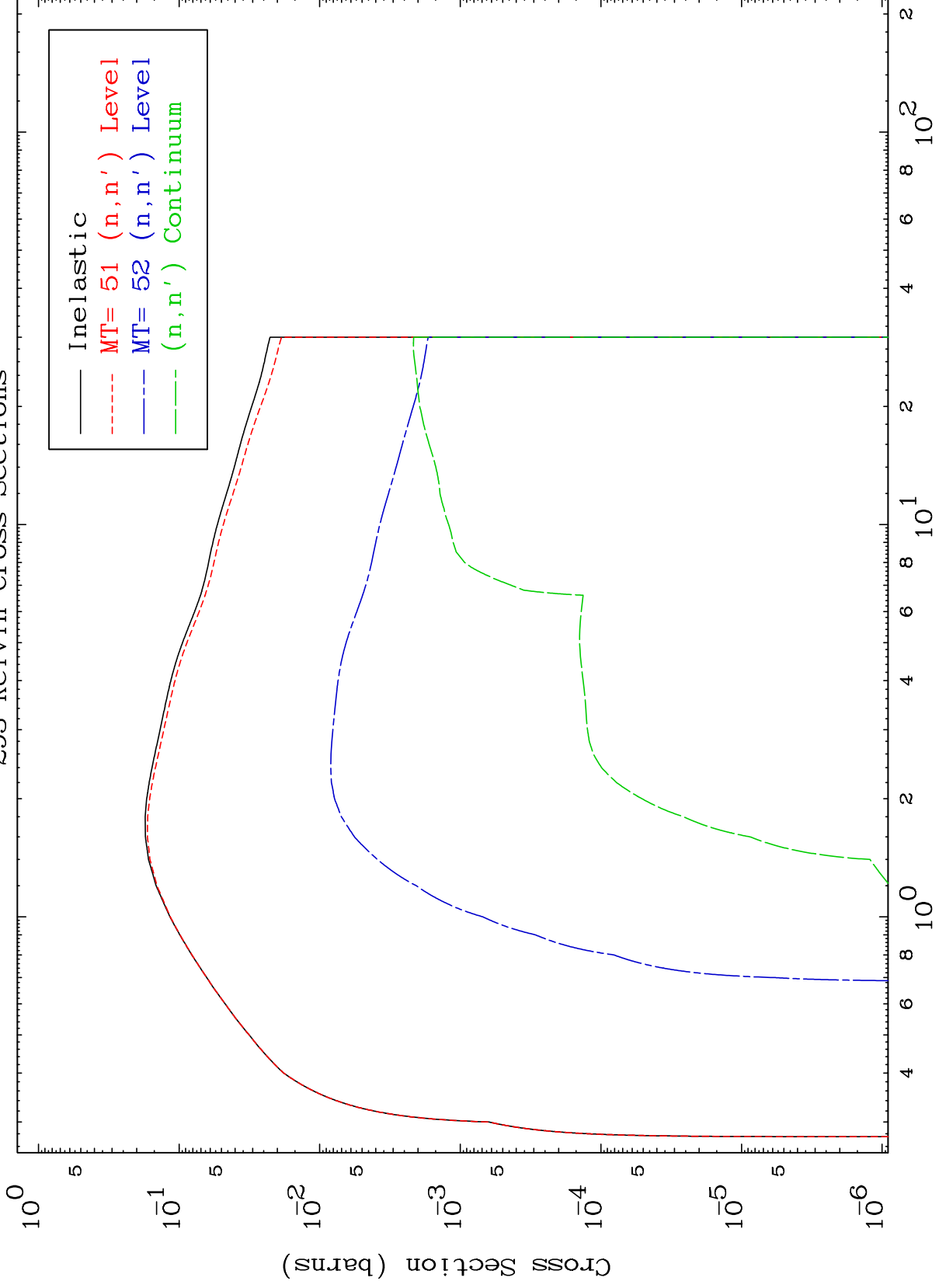


61-Pm-131

Incident Energy (MeV)



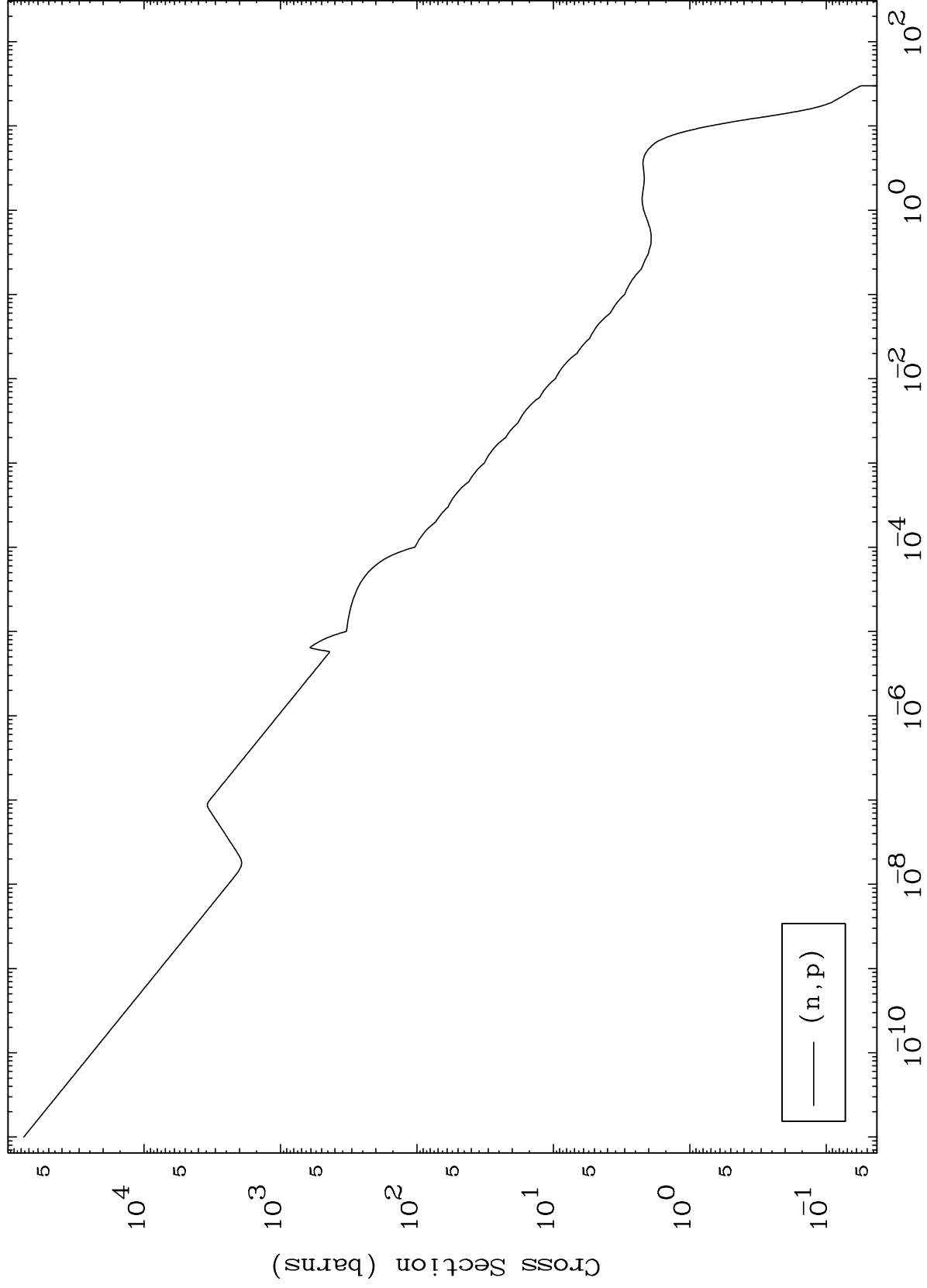
293 Kelvin Cross Sections



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(n,p) Levels  
293 Kelvin Cross Sections

61-Pm-131



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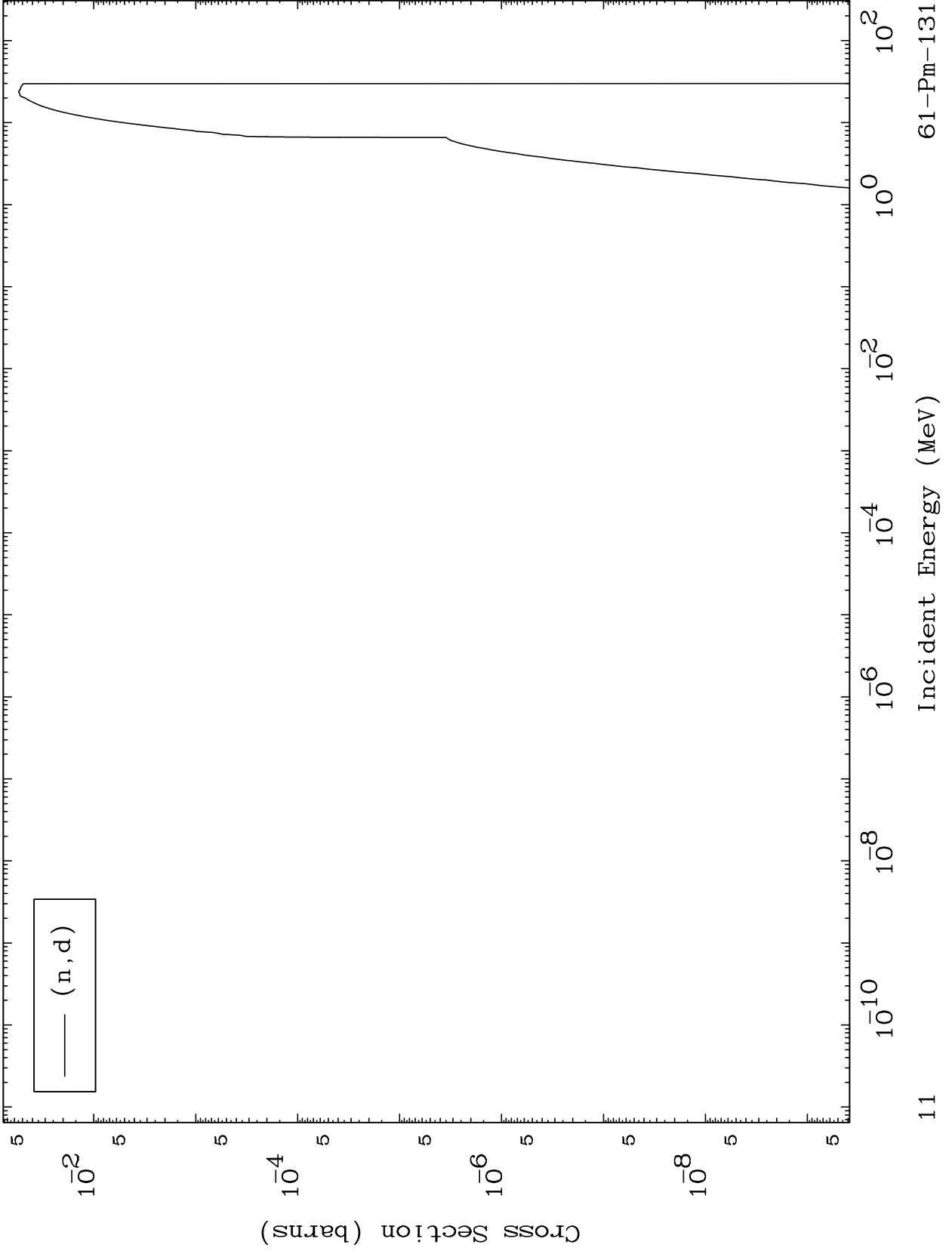
Incident Energy (MeV)

61-Pm-131

MAT 6101

(n,d) Levels  
293 Kelvin Cross Sections

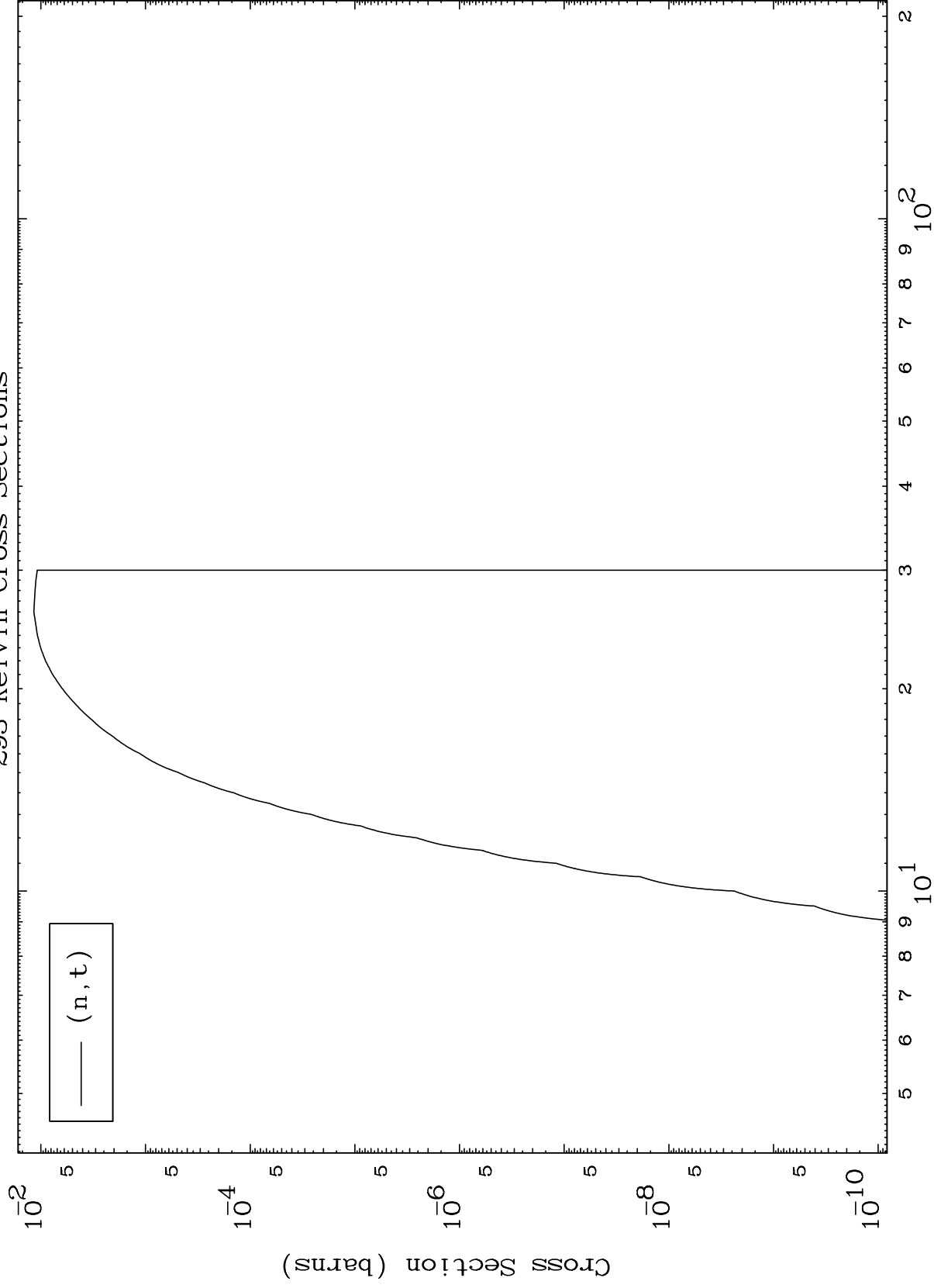
61-Pm-131



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61-Pm-131

(n,t) Levels  
293 Kelvin Cross Sections



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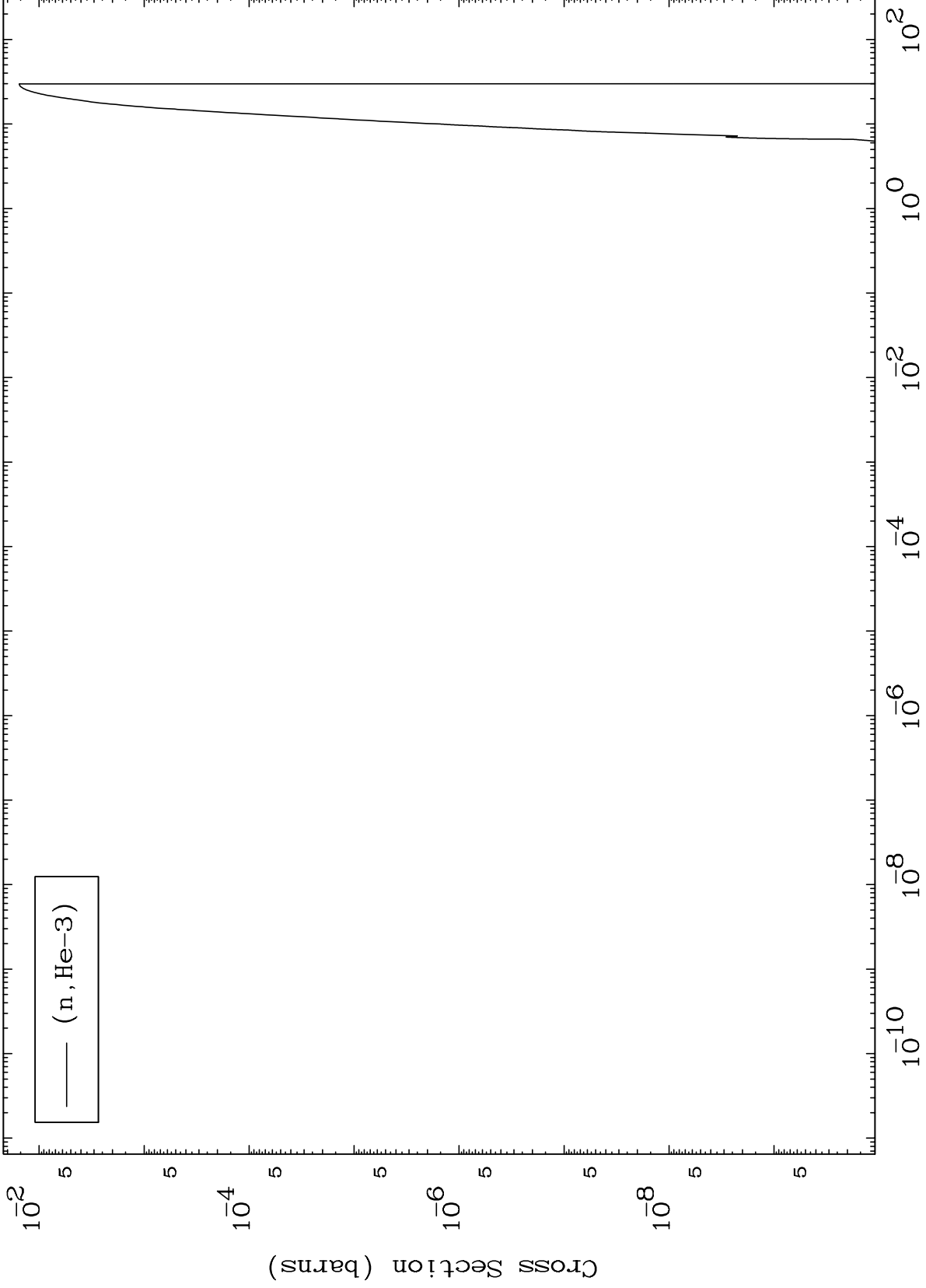
Incident Energy (MeV)

61-Pm-131

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(n,He3) Levels  
293 Kelvin Cross Sections

61-Pm-131



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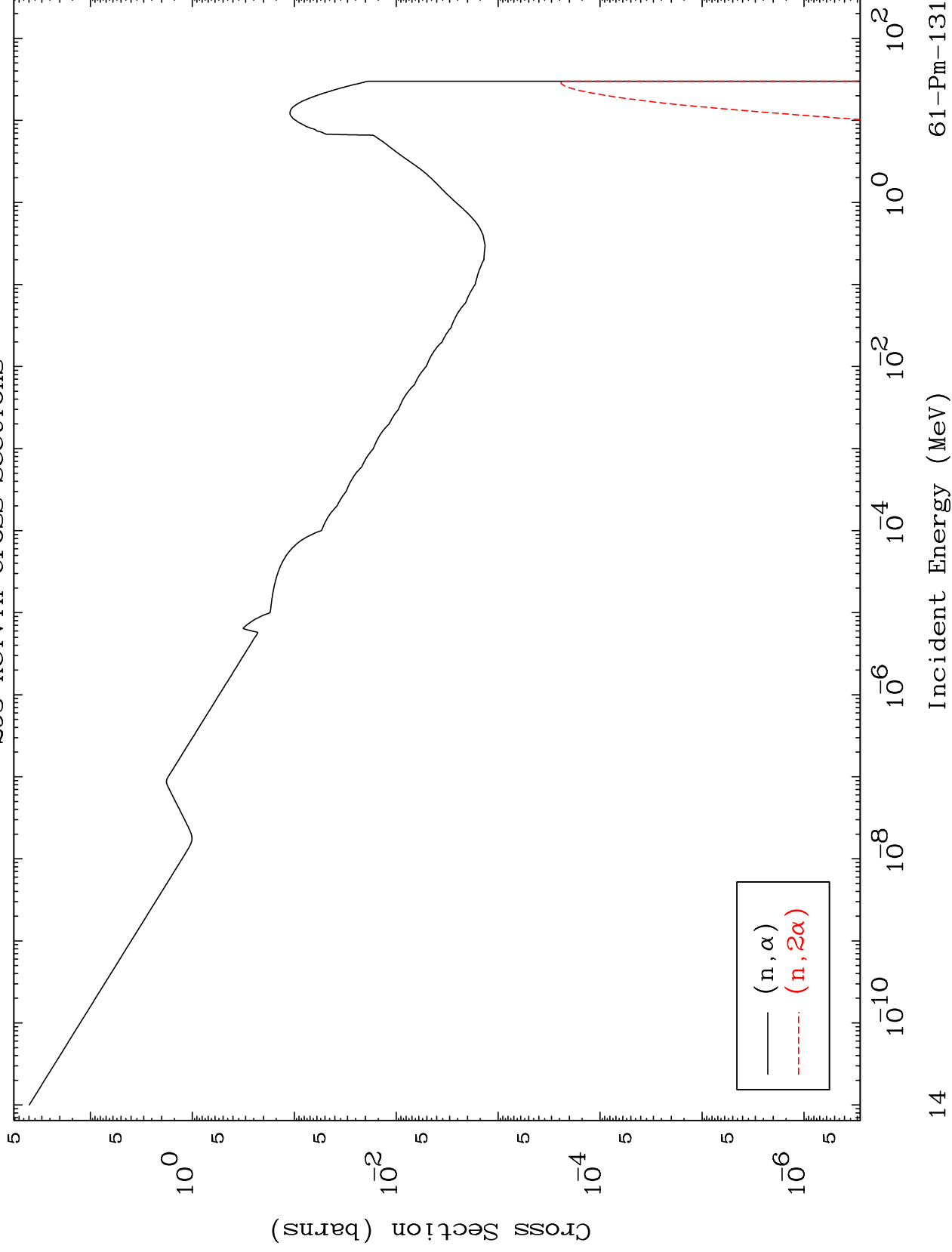
Incident Energy (MeV)

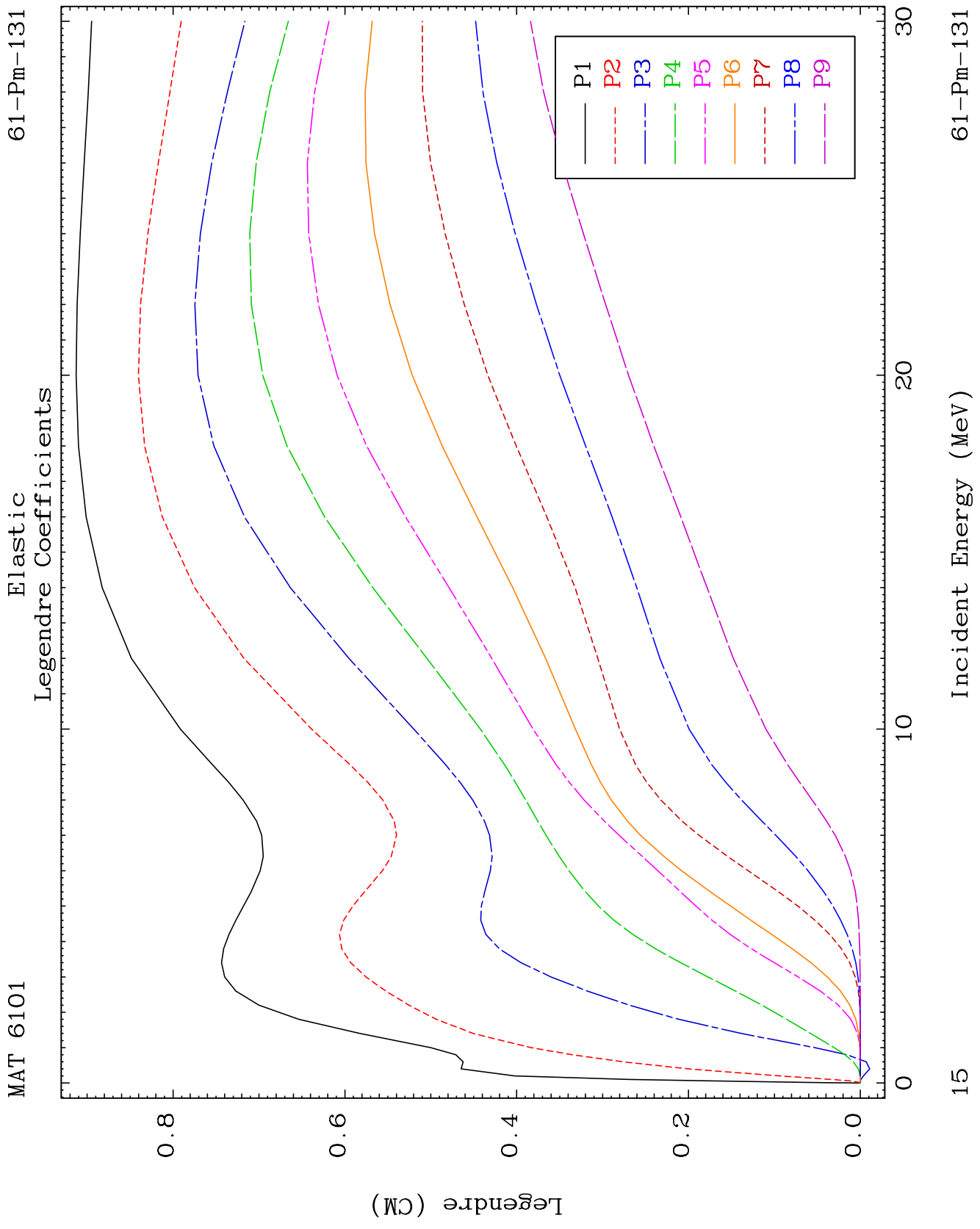
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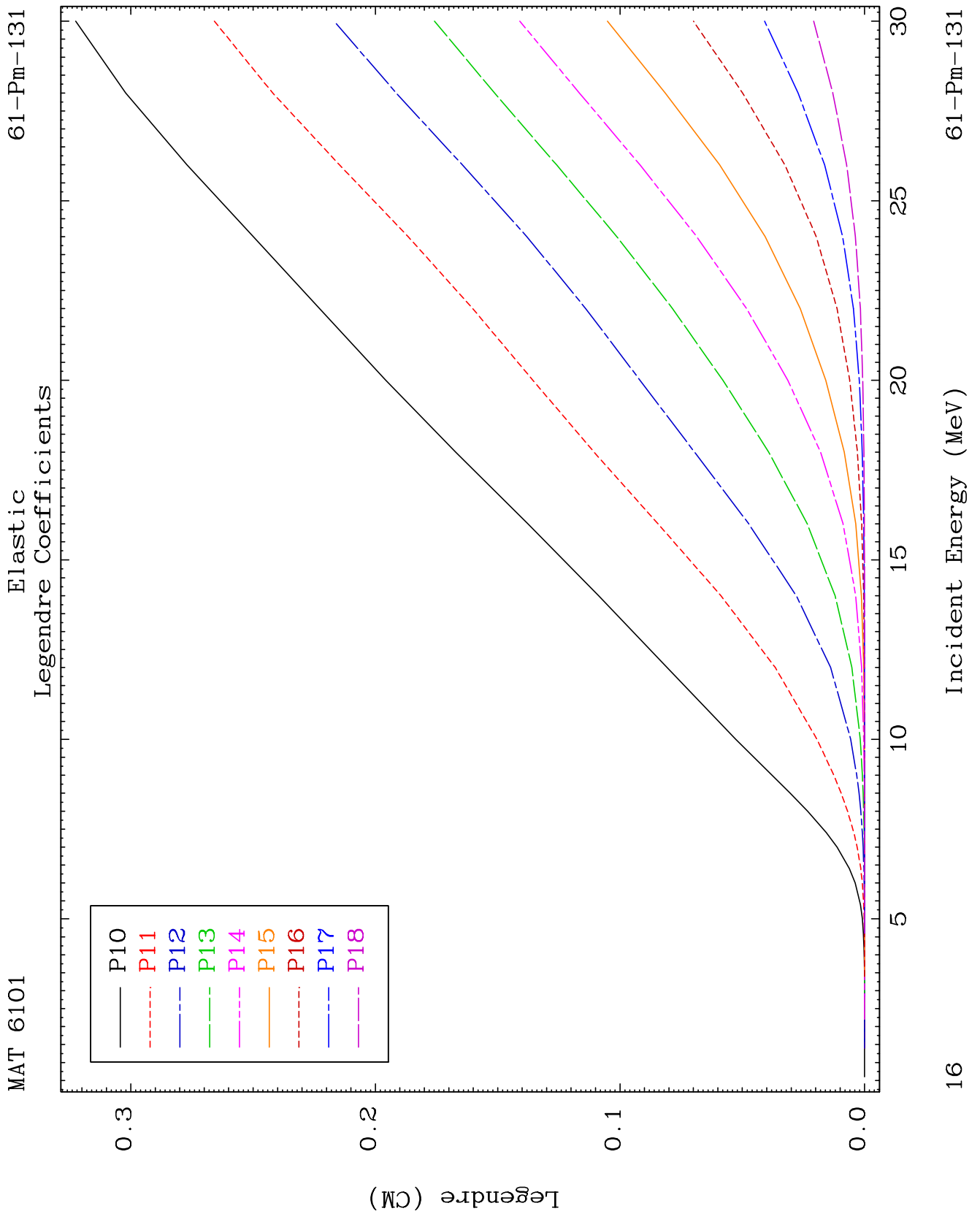
MAT 6101

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

61-Pm-131



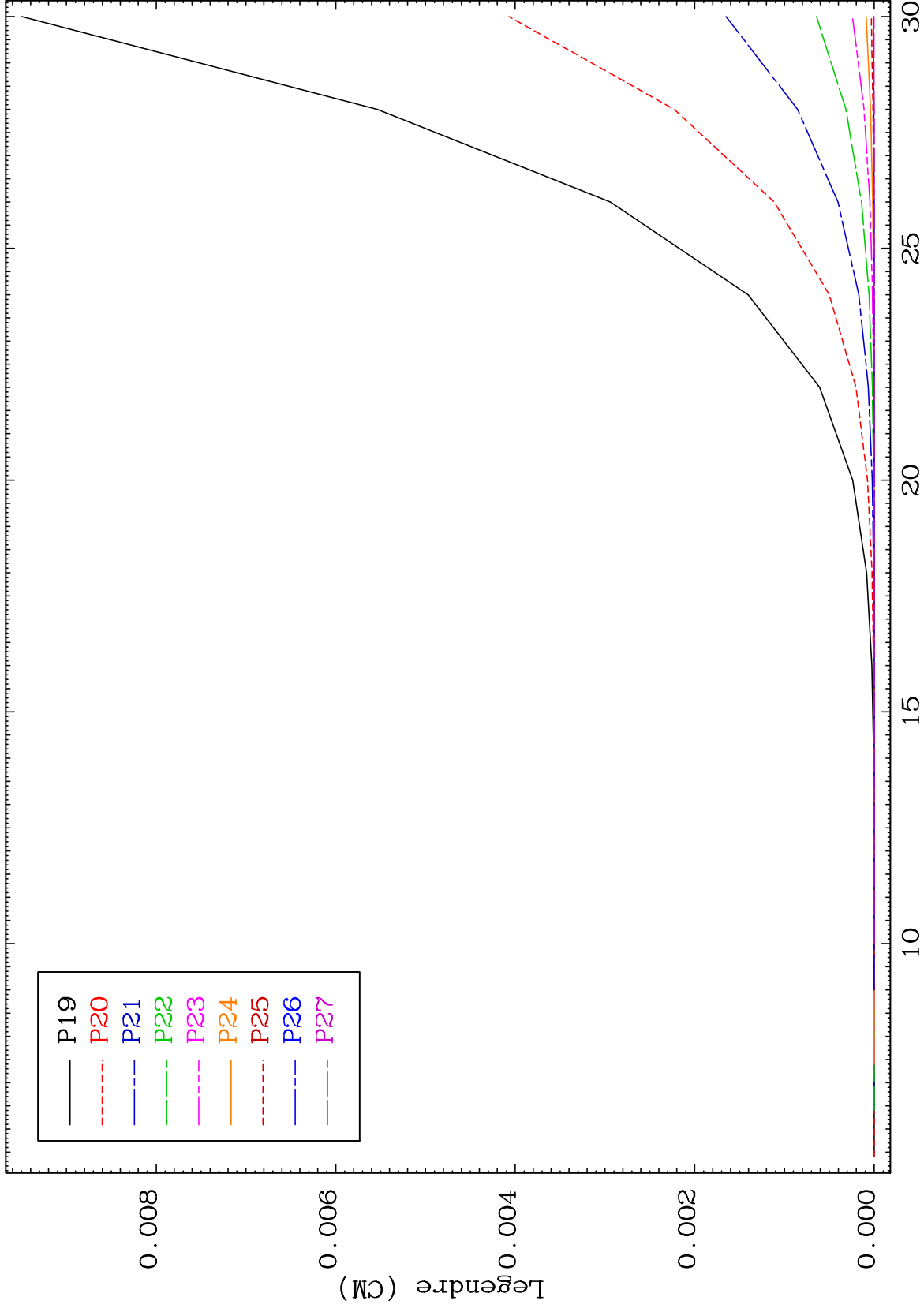




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### Elastic Legendre Coefficients

61-Pm-131



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Incident Energy (MeV)

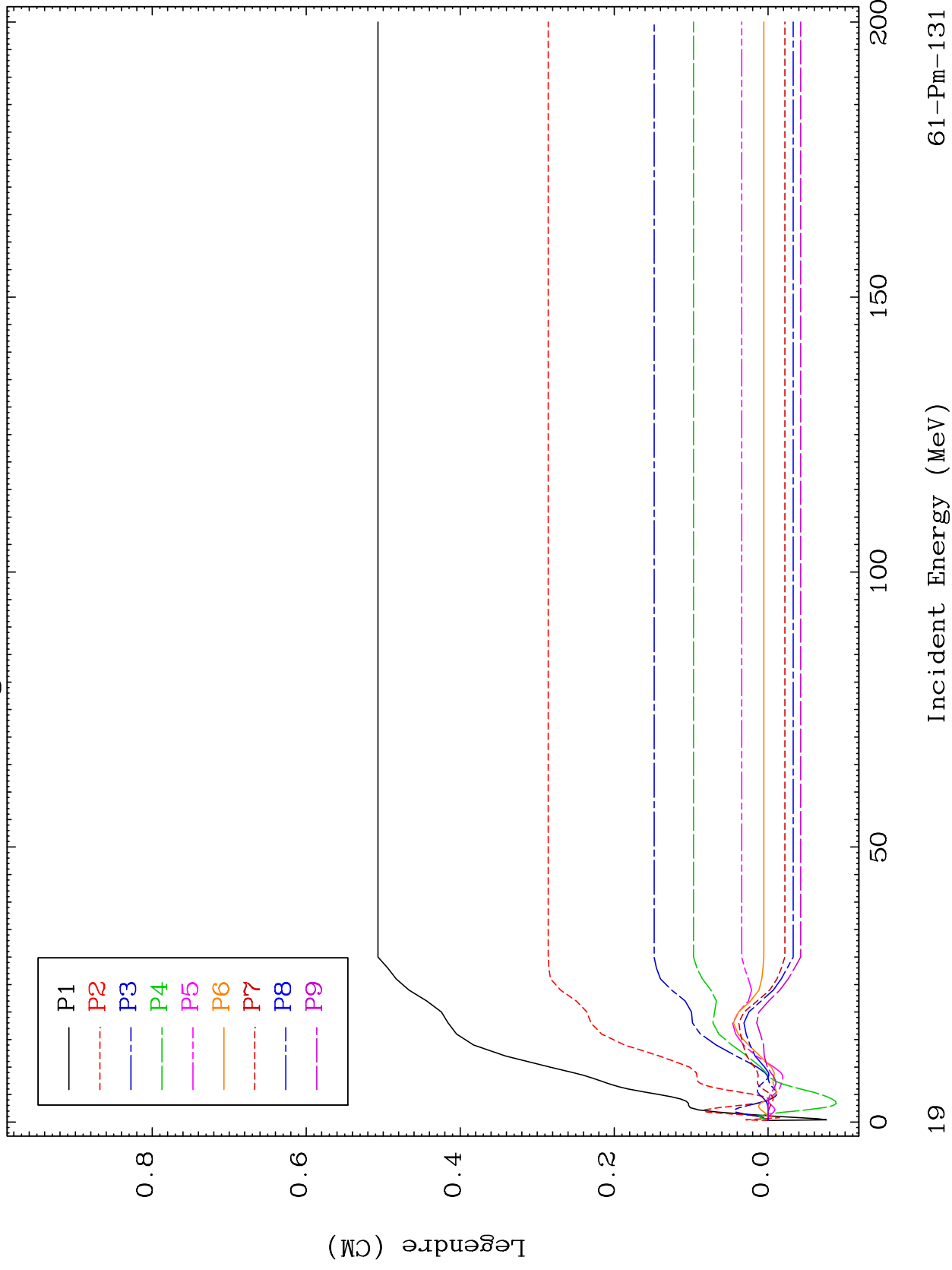
61-Pm-131



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MT= 51 (n,n') Level  
Legendre Coefficients

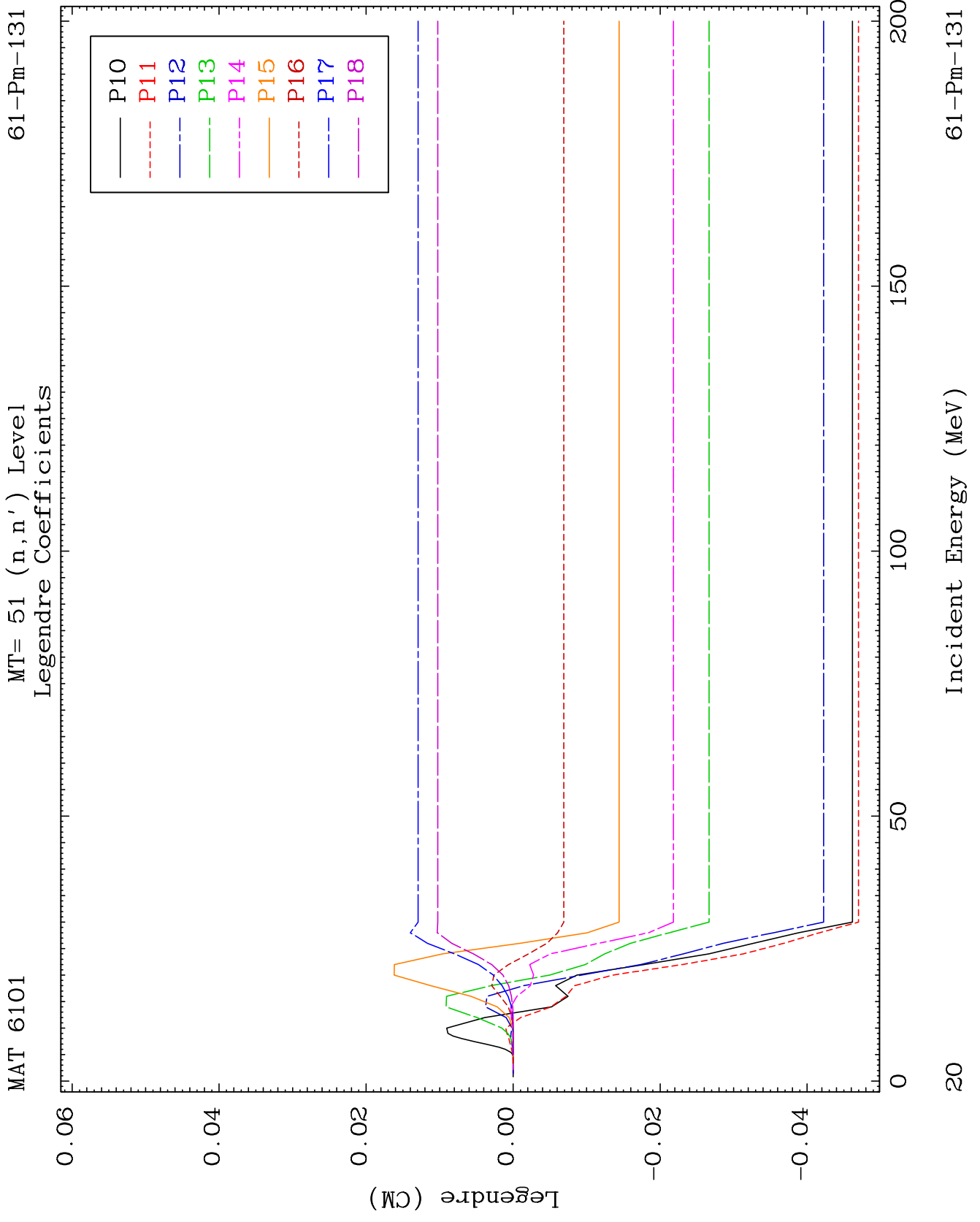
61-Pm-131



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Incident Energy (MeV)

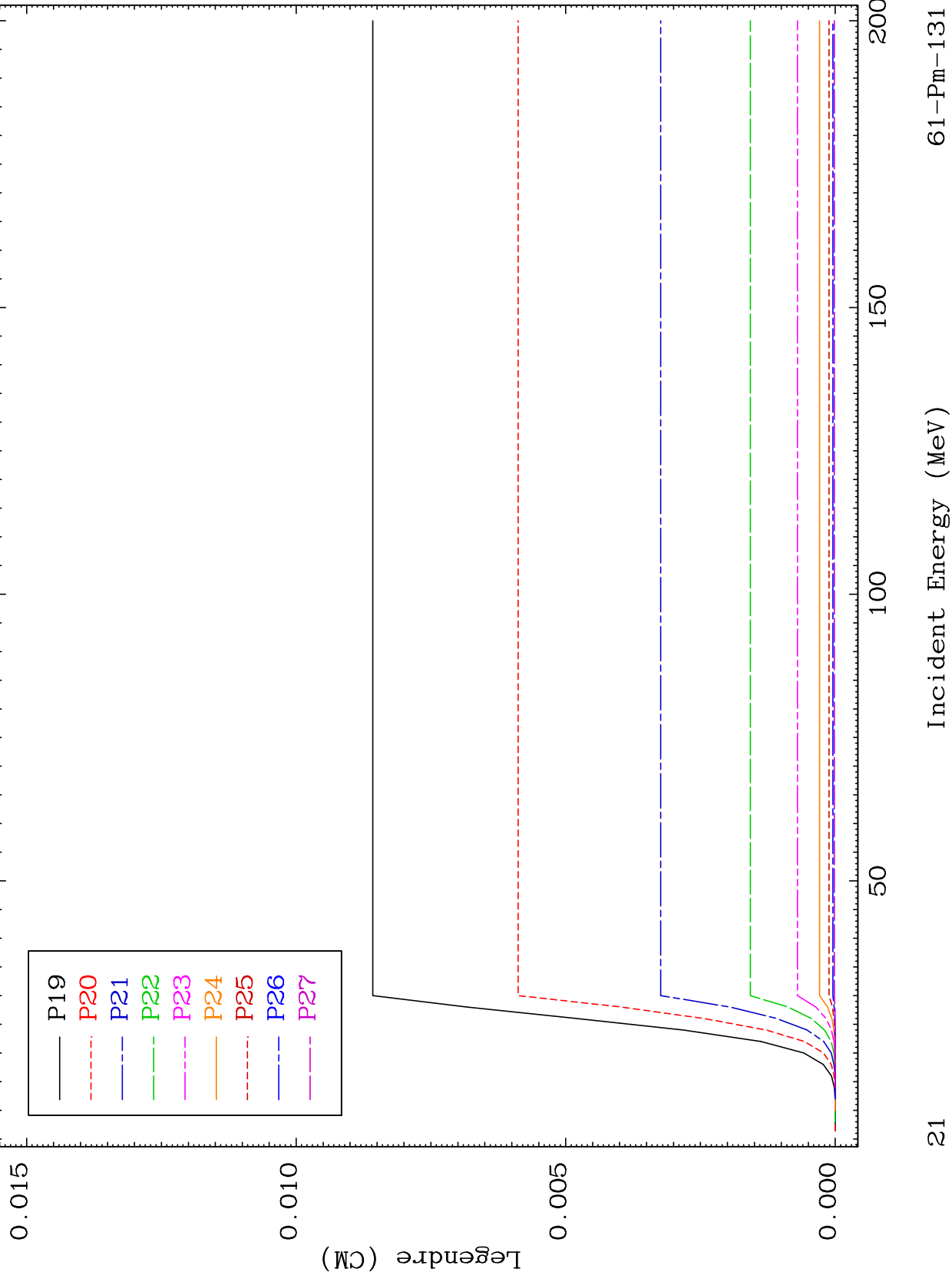
61-Pm-131



MAT 6101

MT= 51 (n,n') Level  
Legendre Coefficients

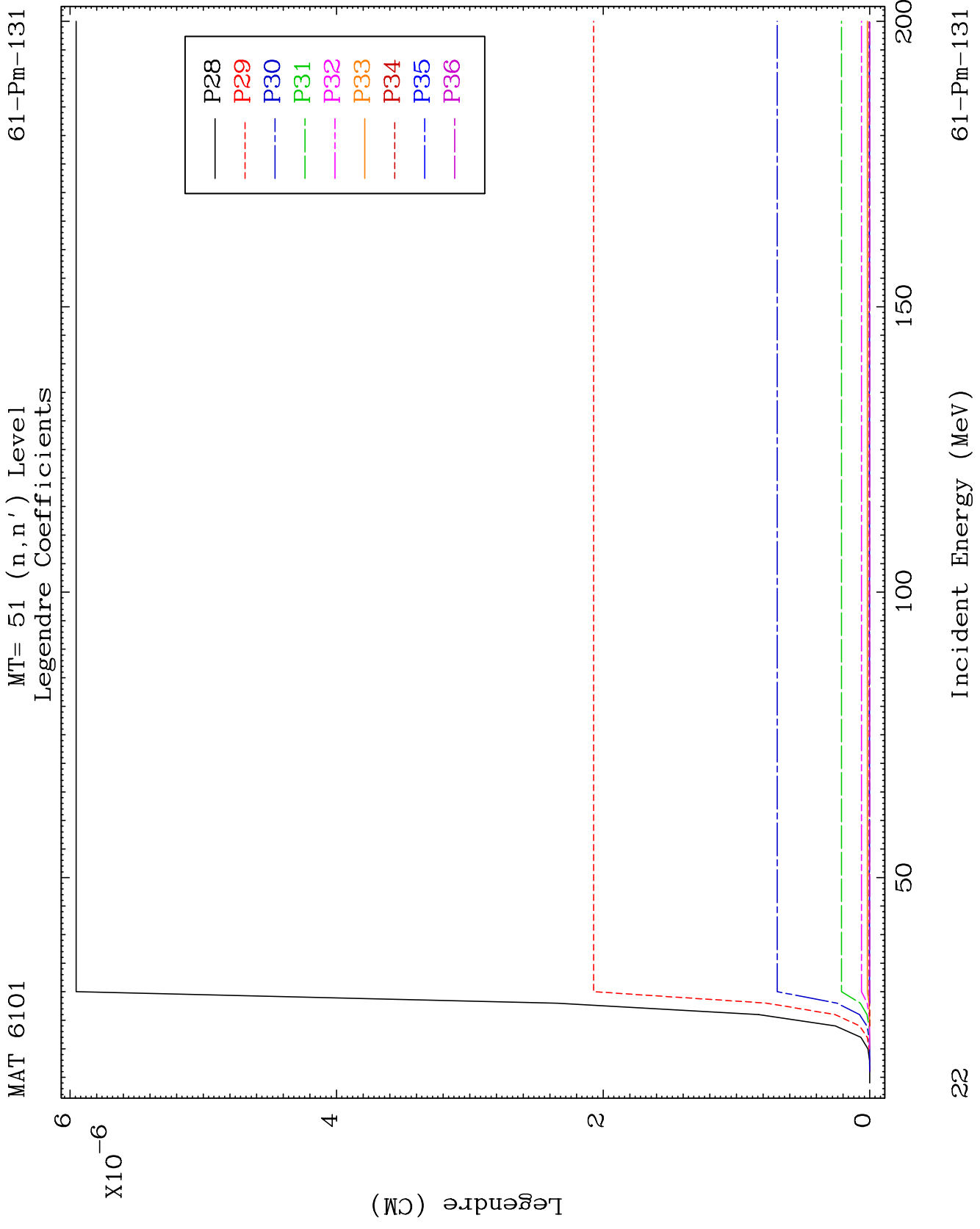
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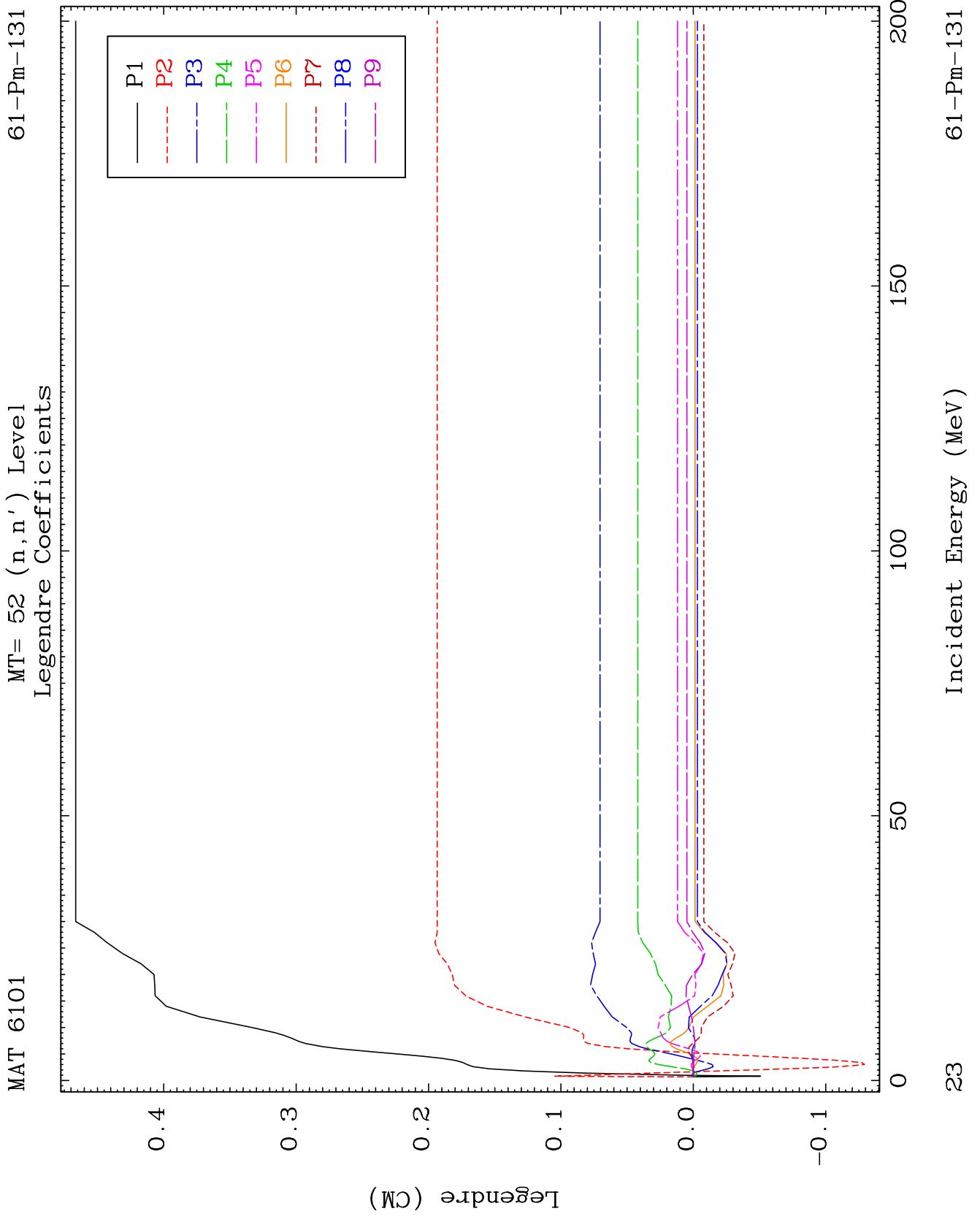


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Incident Energy (MeV)

61-Pm-131

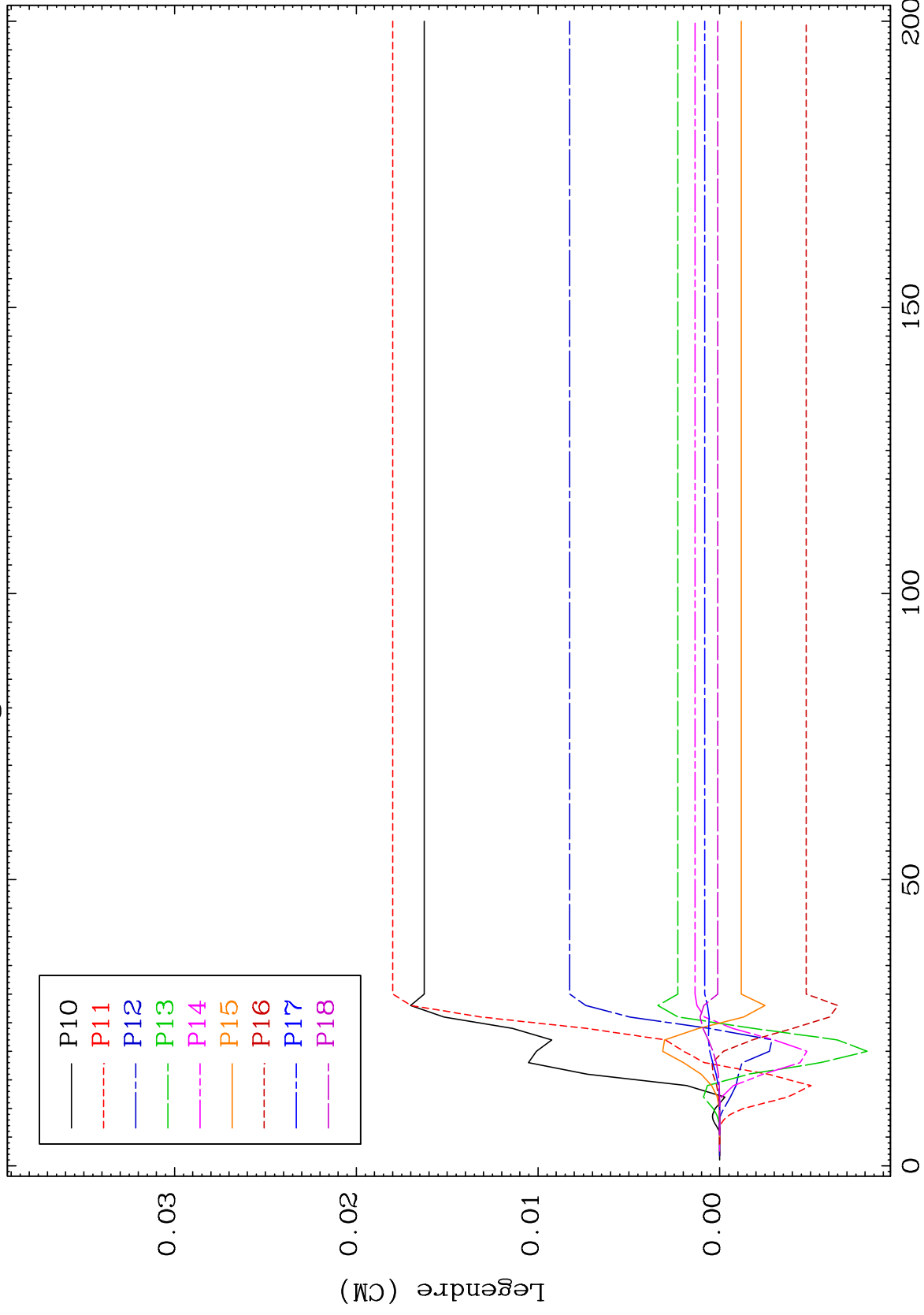




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MT= 52 (n,n') Level  
Legendre Coefficients

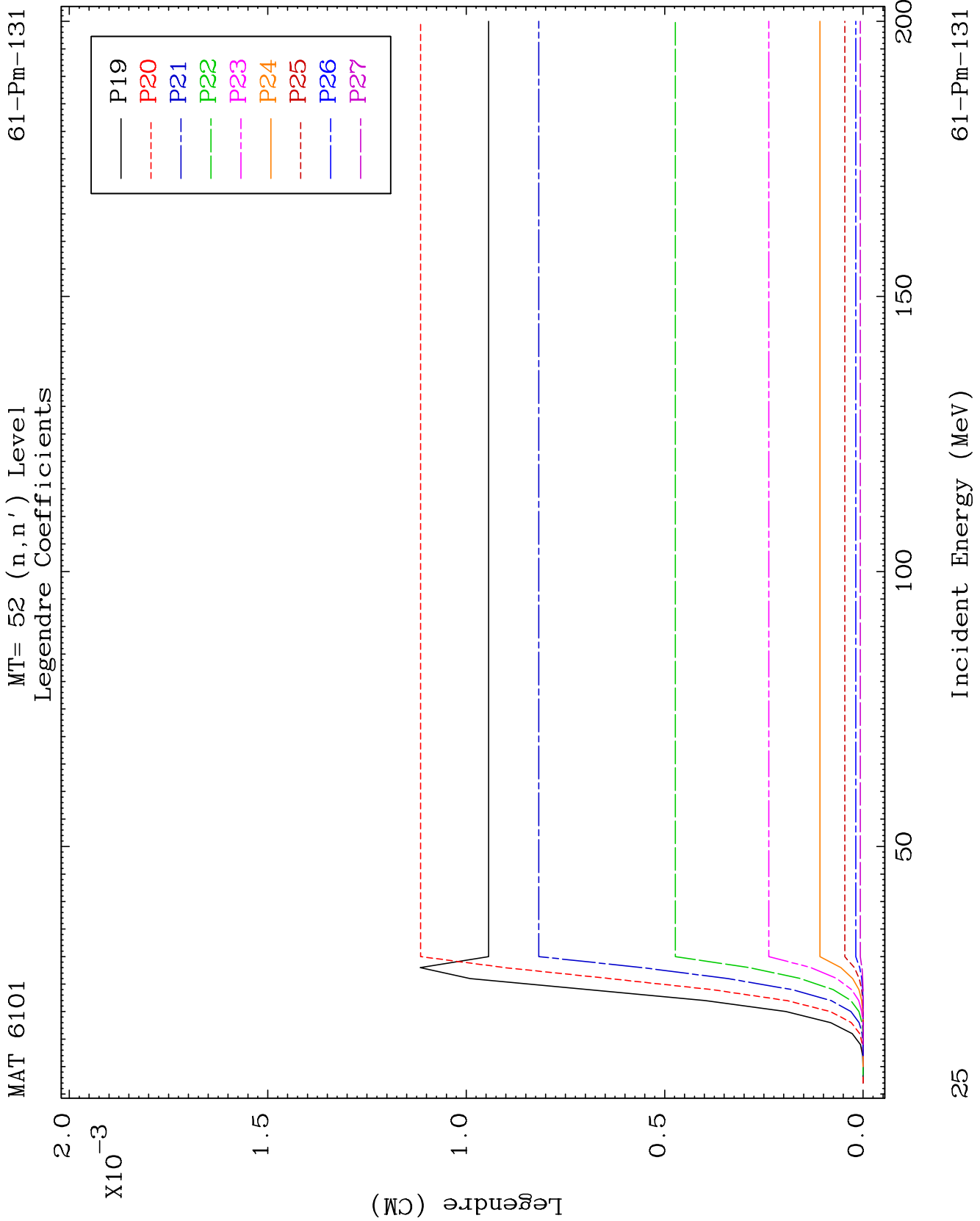
61-Pm-131



24

Incident Energy (MeV)

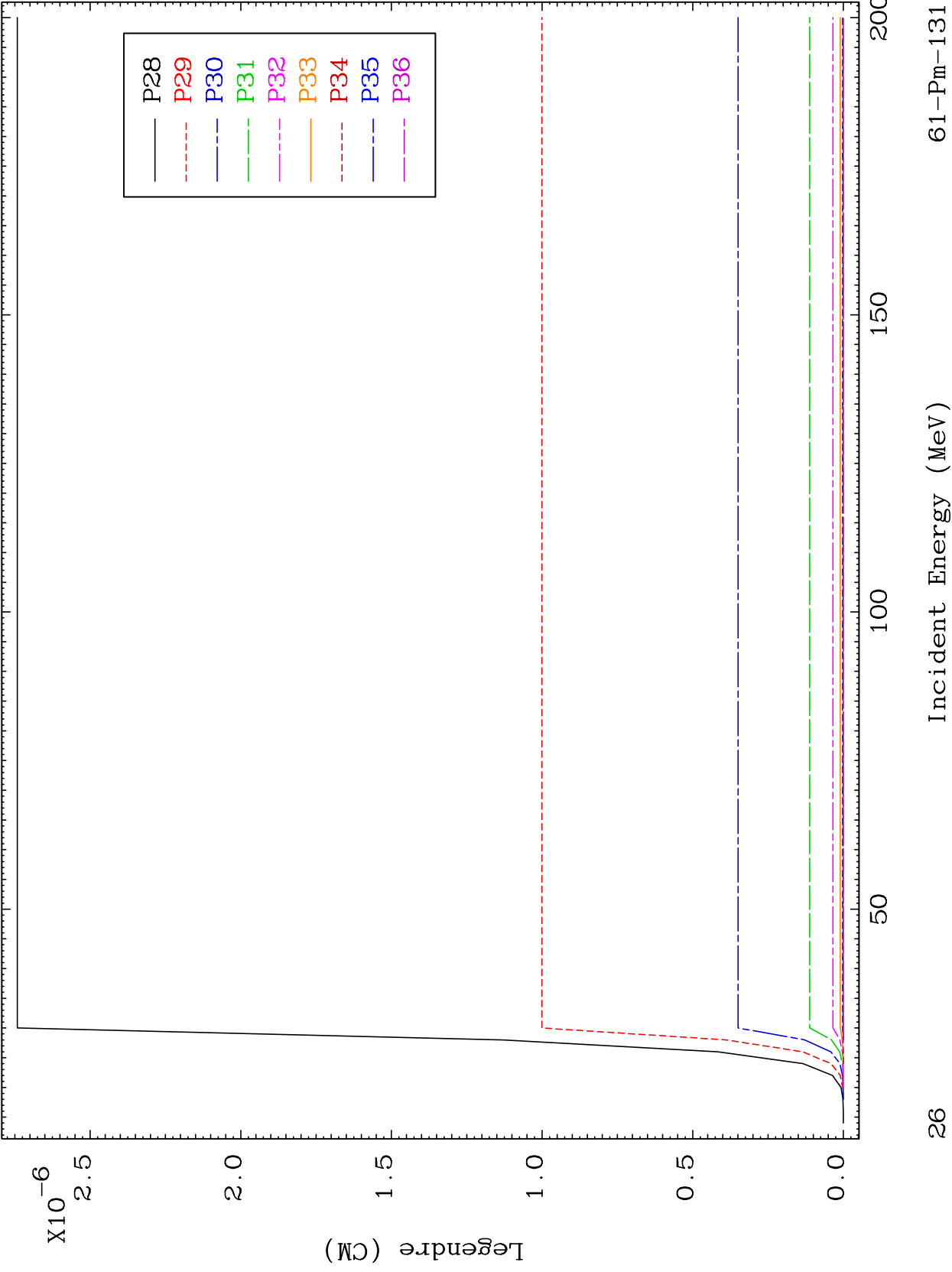
61-Pm-131



MAT 6101

MT= 52 (n,n') Level  
Legendre Coefficients

61-Pm-131



26

Incident Energy (MeV)

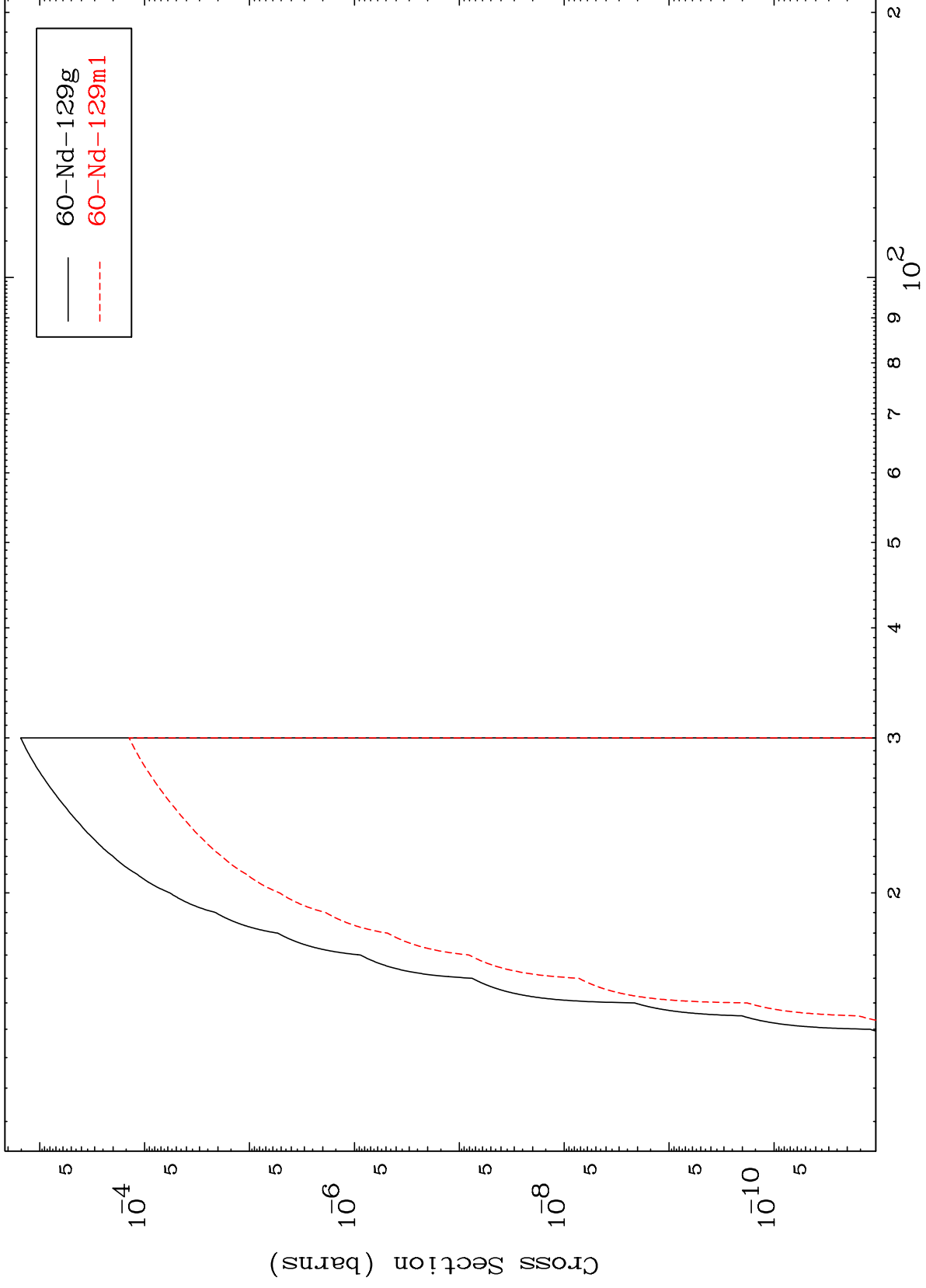
61-Pm-131

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(n,n') d

61-Pm-131

Radionuclide Production Cross Section

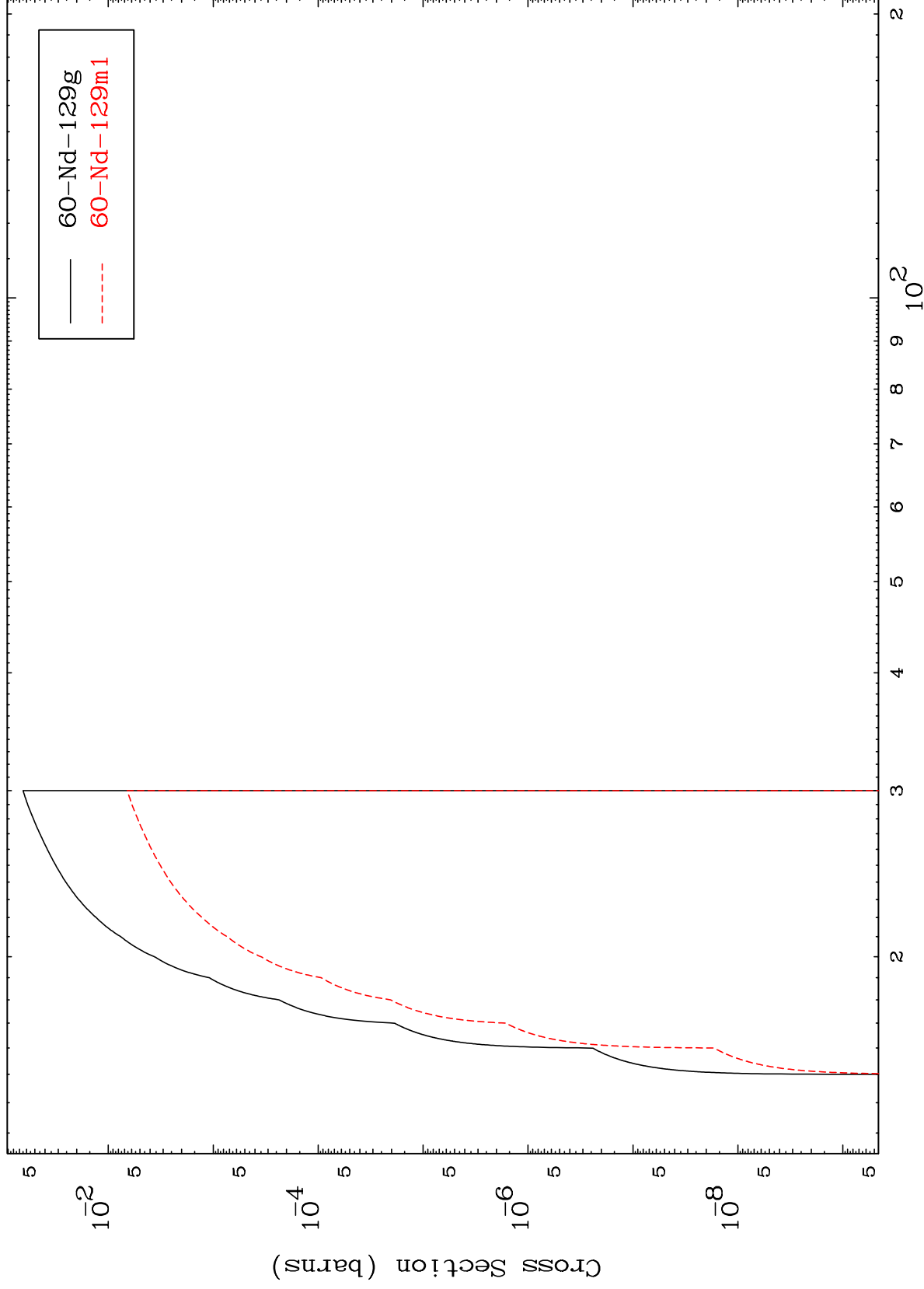


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Incident Energy (MeV)

61-Pm-131

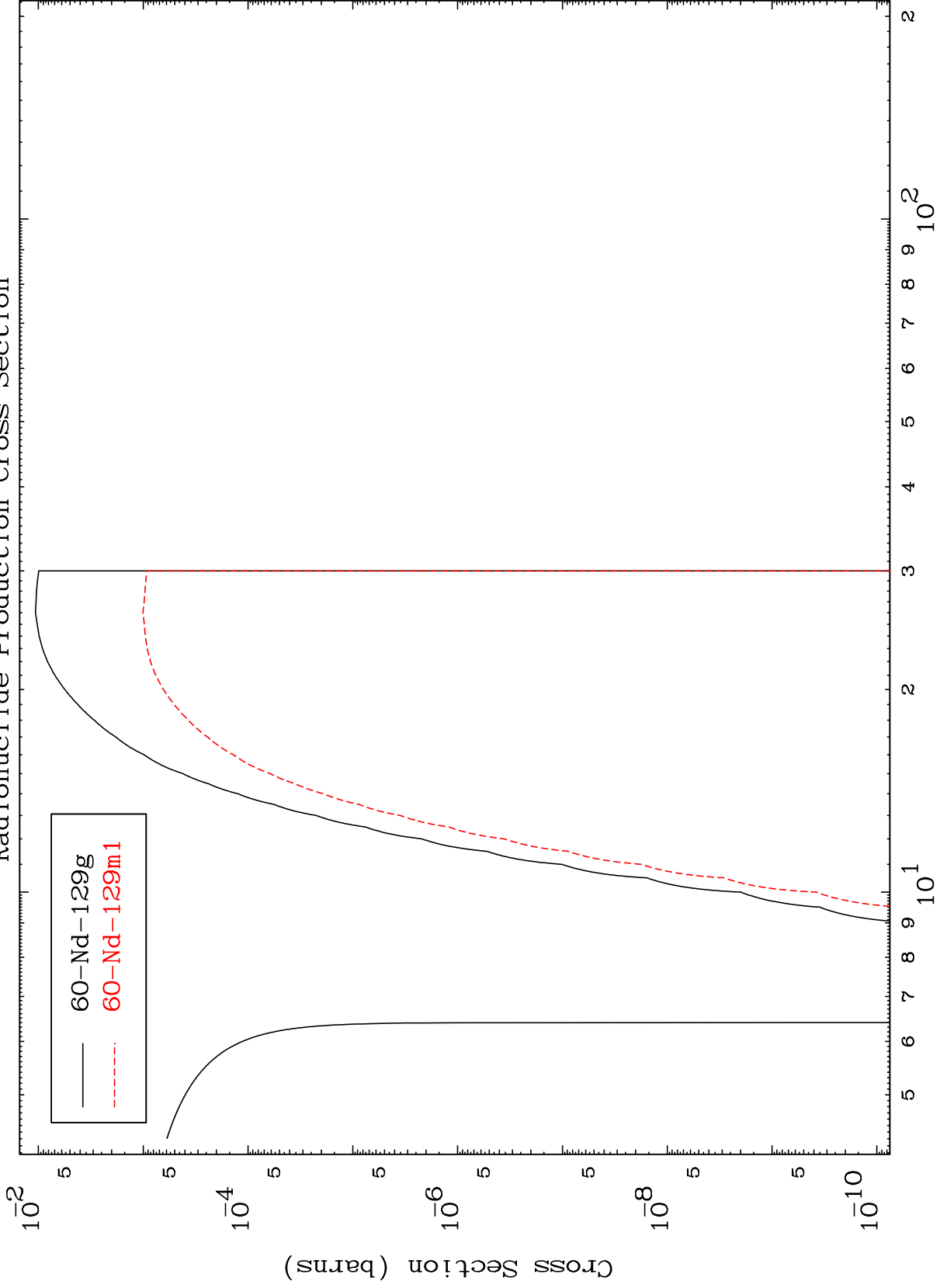
Radionuclide Production Cross Section



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Radionuclide Production Cross Section (n, t)



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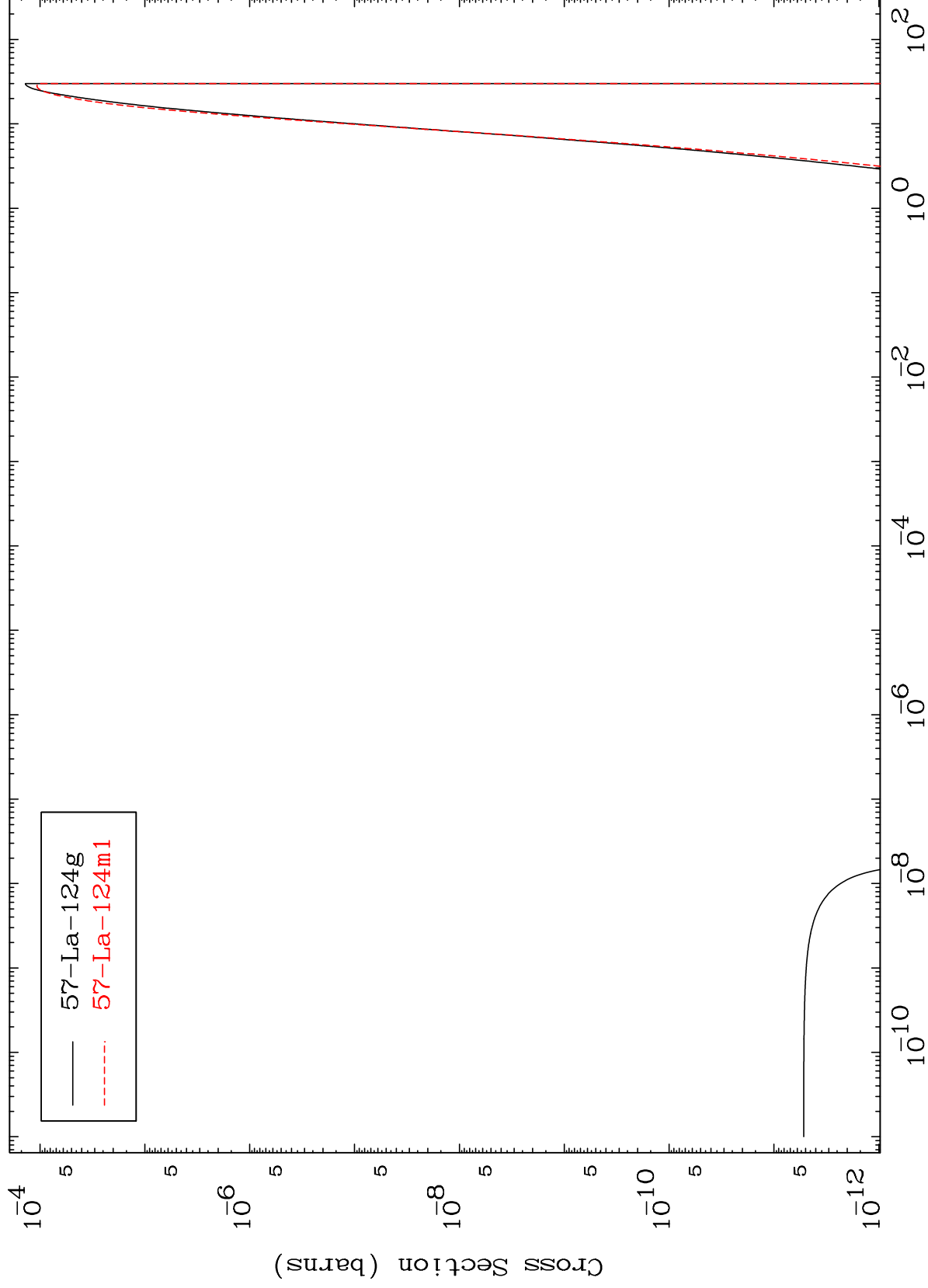
Incident Energy (MeV)

61-Pm-131

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61-Pm-131

(n,2α)  
Radionuclide Production Cross Section



57-La-124g  
57-La-124m1

61-Pm-131

Incident Energy (MeV)

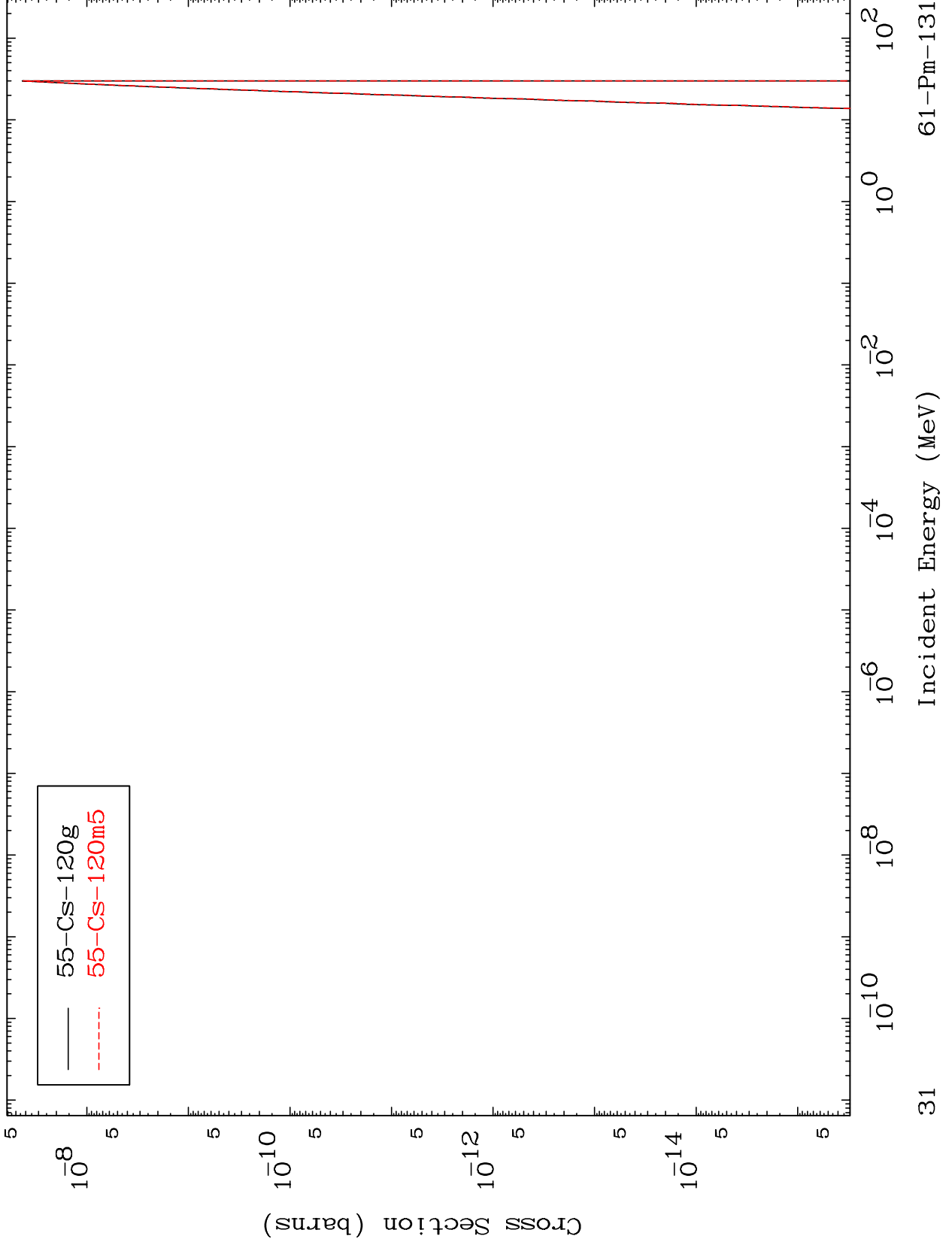
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(n,3 $\alpha$ )

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Radionuclide Production Cross Section

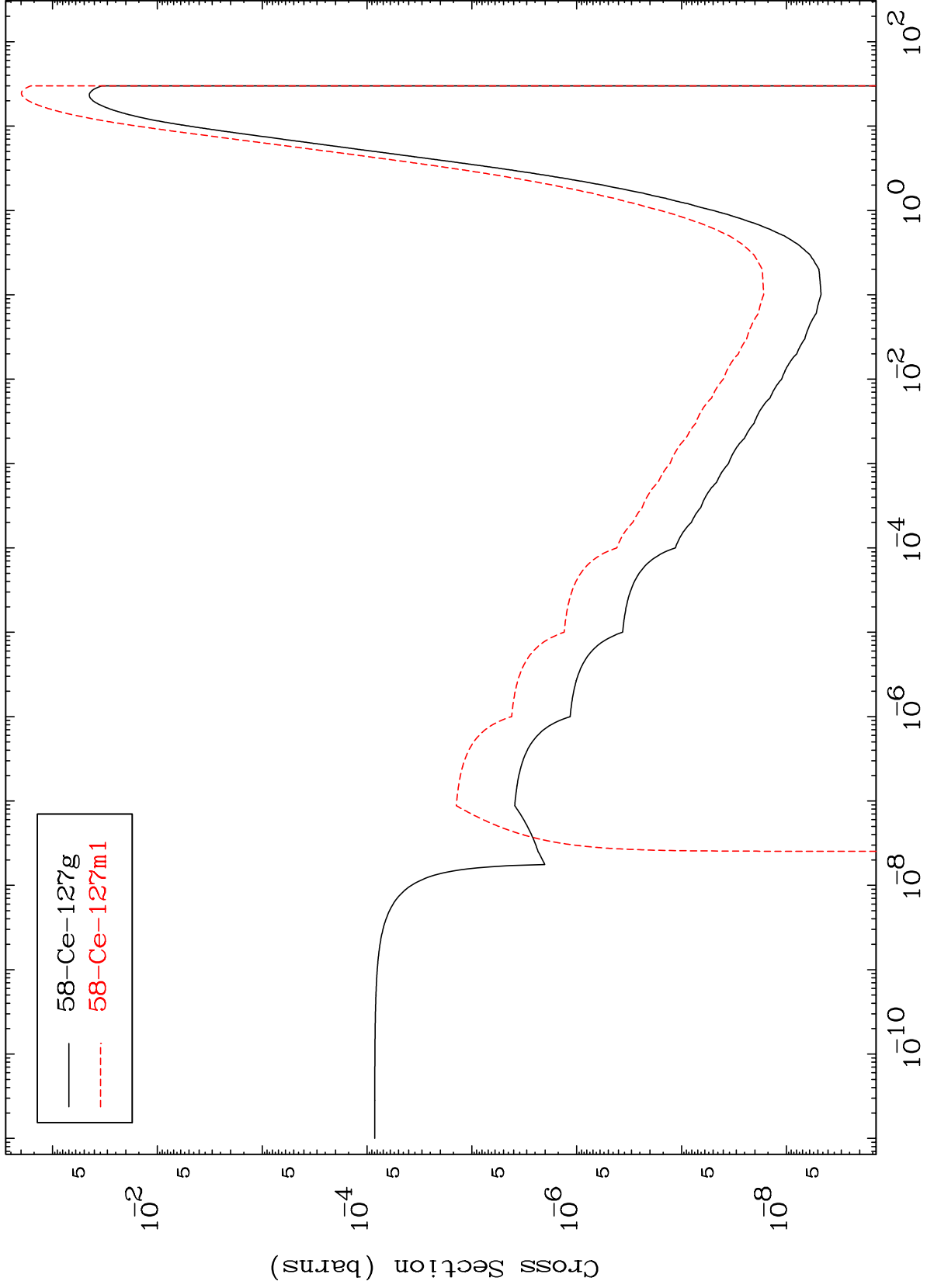


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(n,p)  $\alpha$

61-Pm-131

Radionuclide Production Cross Section



32

Incident Energy (MeV)

61-Pm-131