

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

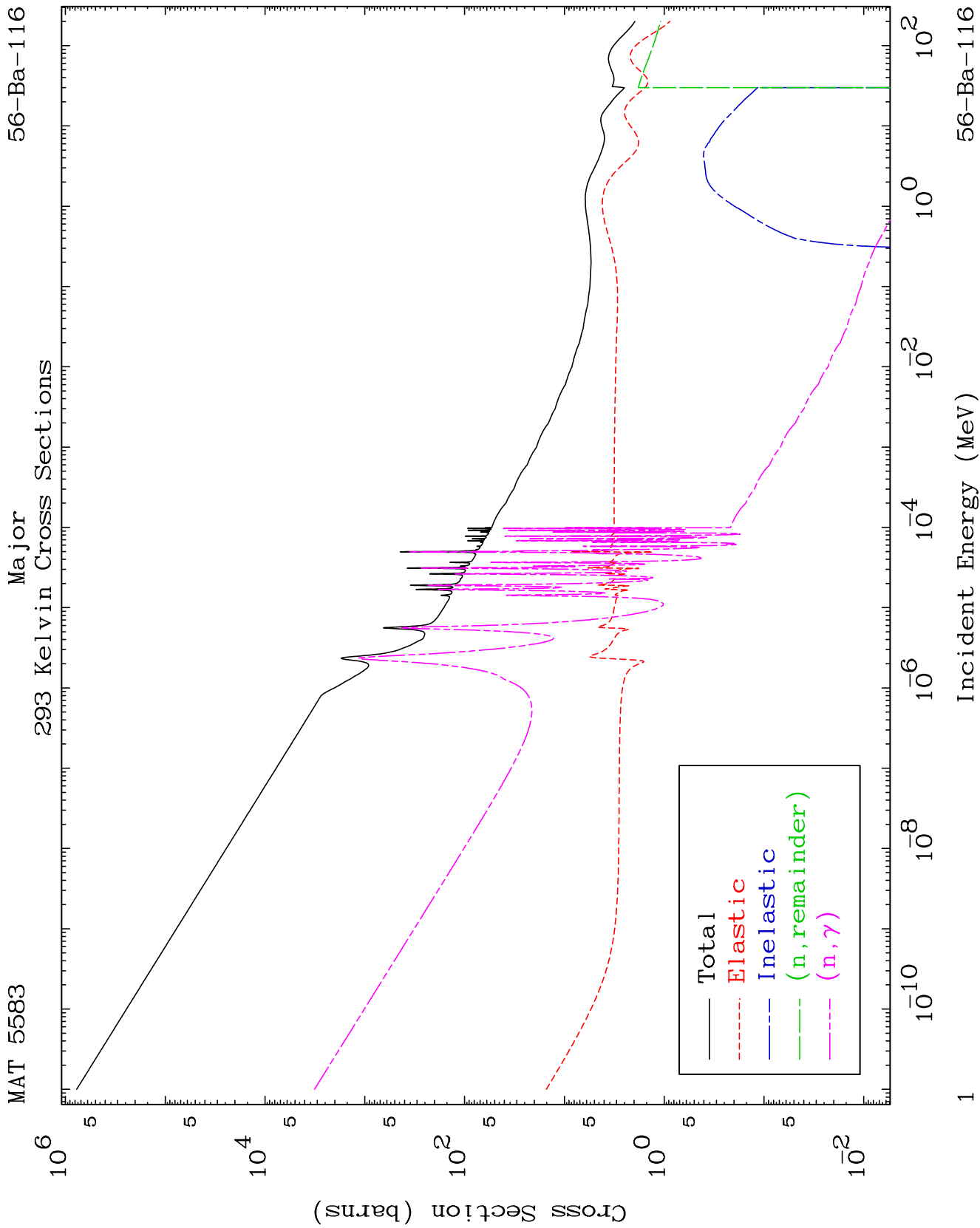
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Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start



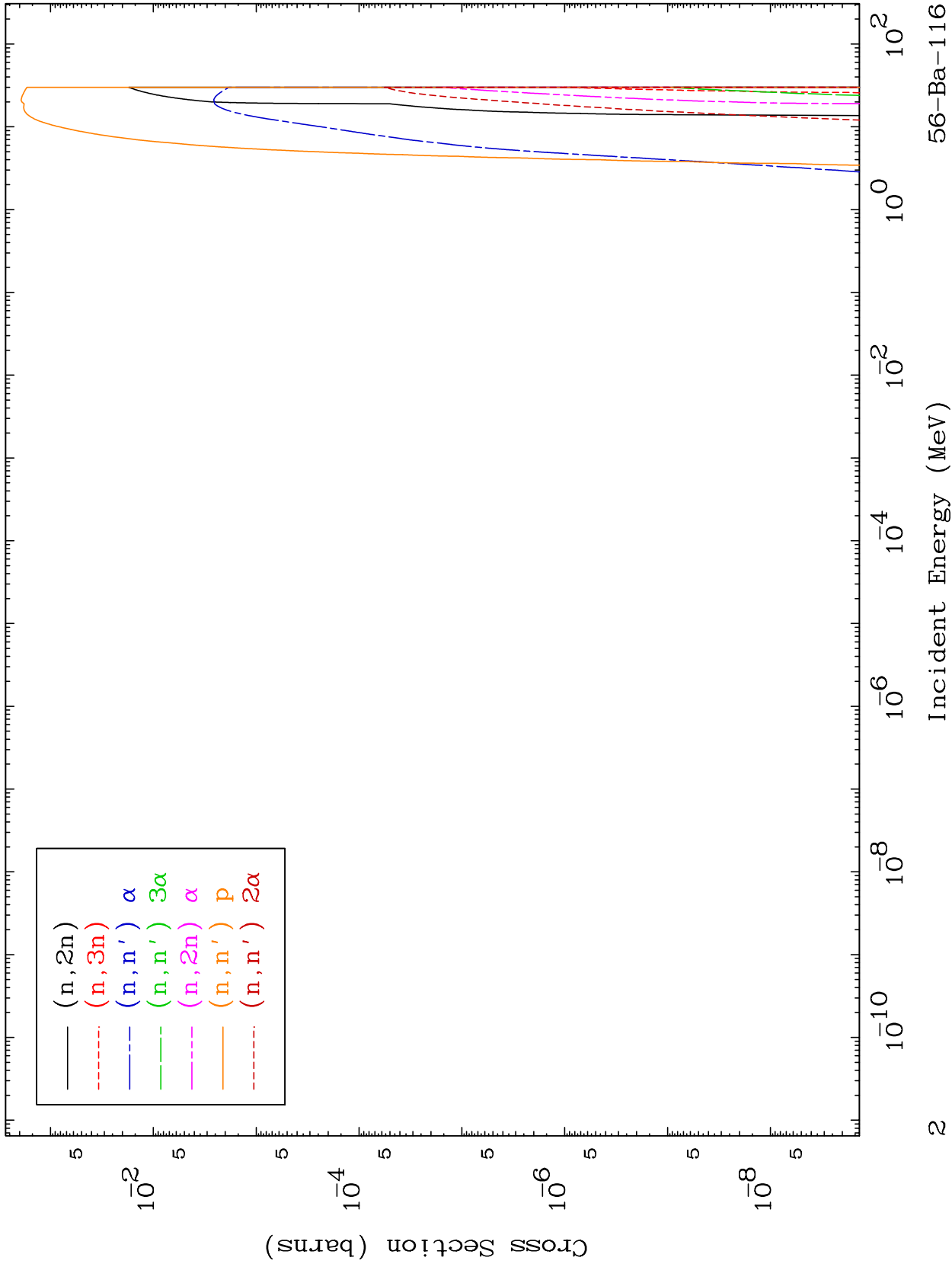
MAT 5583

56-Ba-116

MAT 5583

Neutron Production  
293 Kelvin Cross Sections

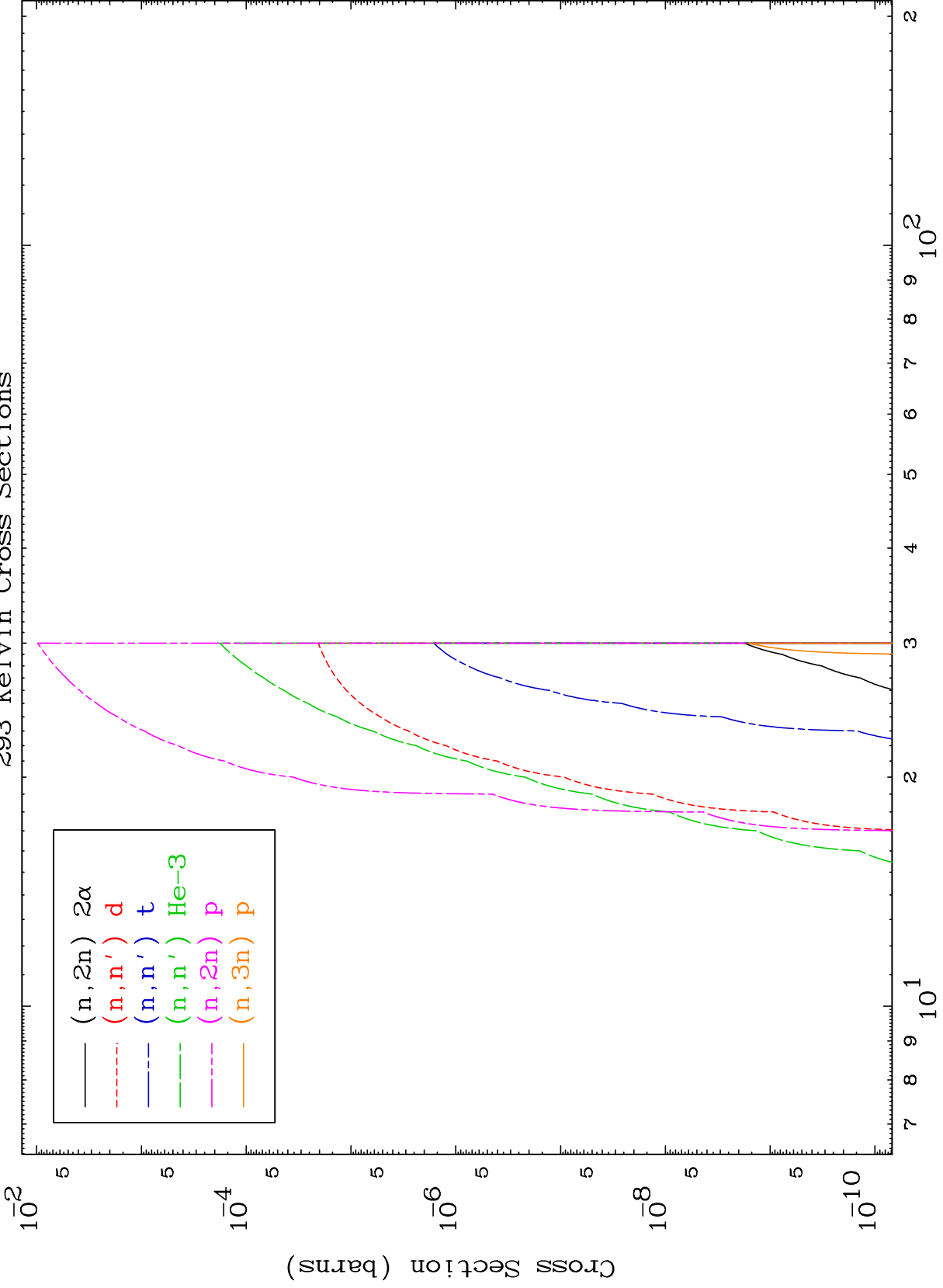
56-Ba-116



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Neutron Production  
293 Kelvin Cross Sections

56-Ba-116



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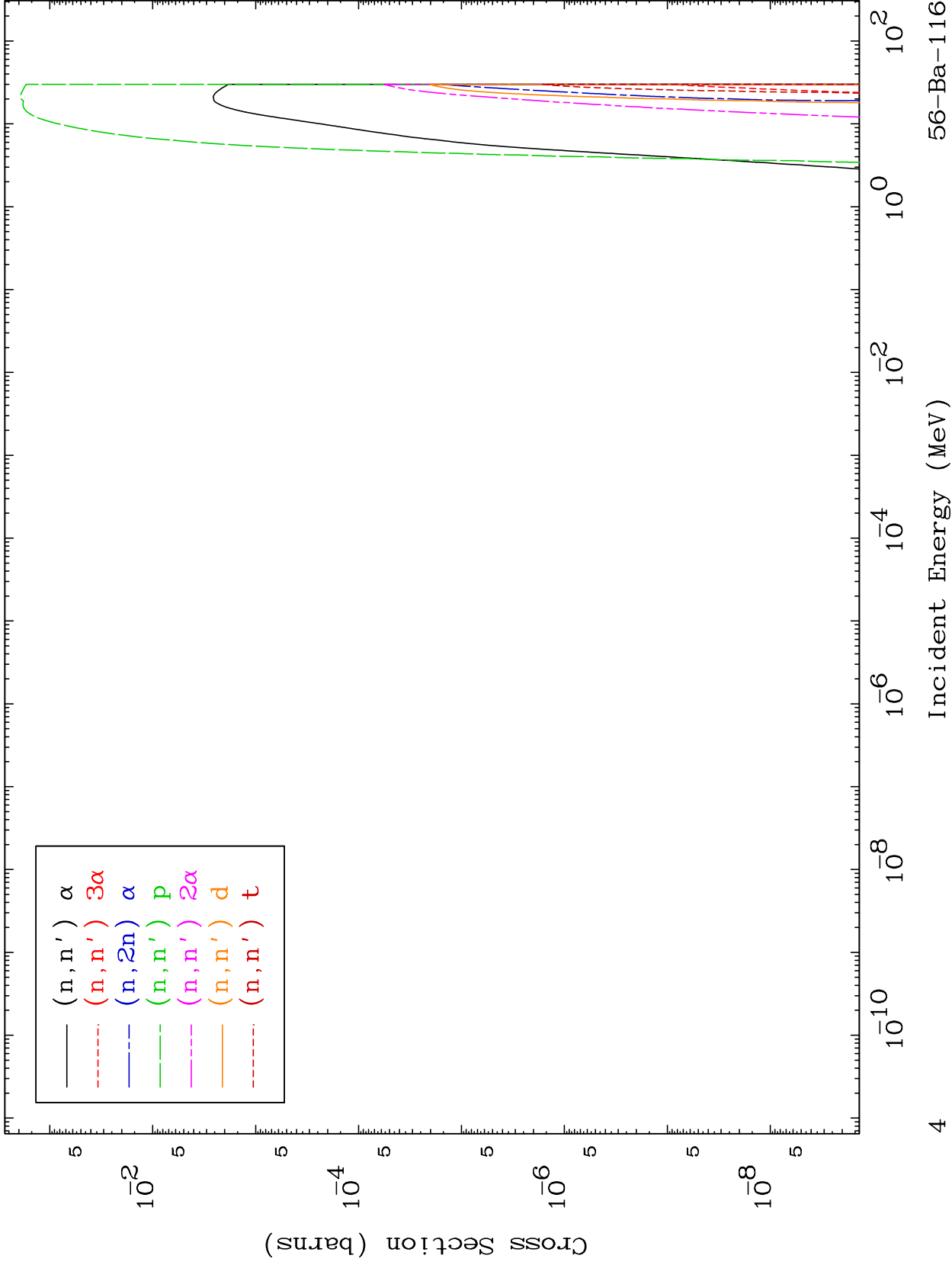
Incident Energy (MeV)

56-Ba-116

MAT 5583

Charged Particle  
293 Kelvin Cross Sections

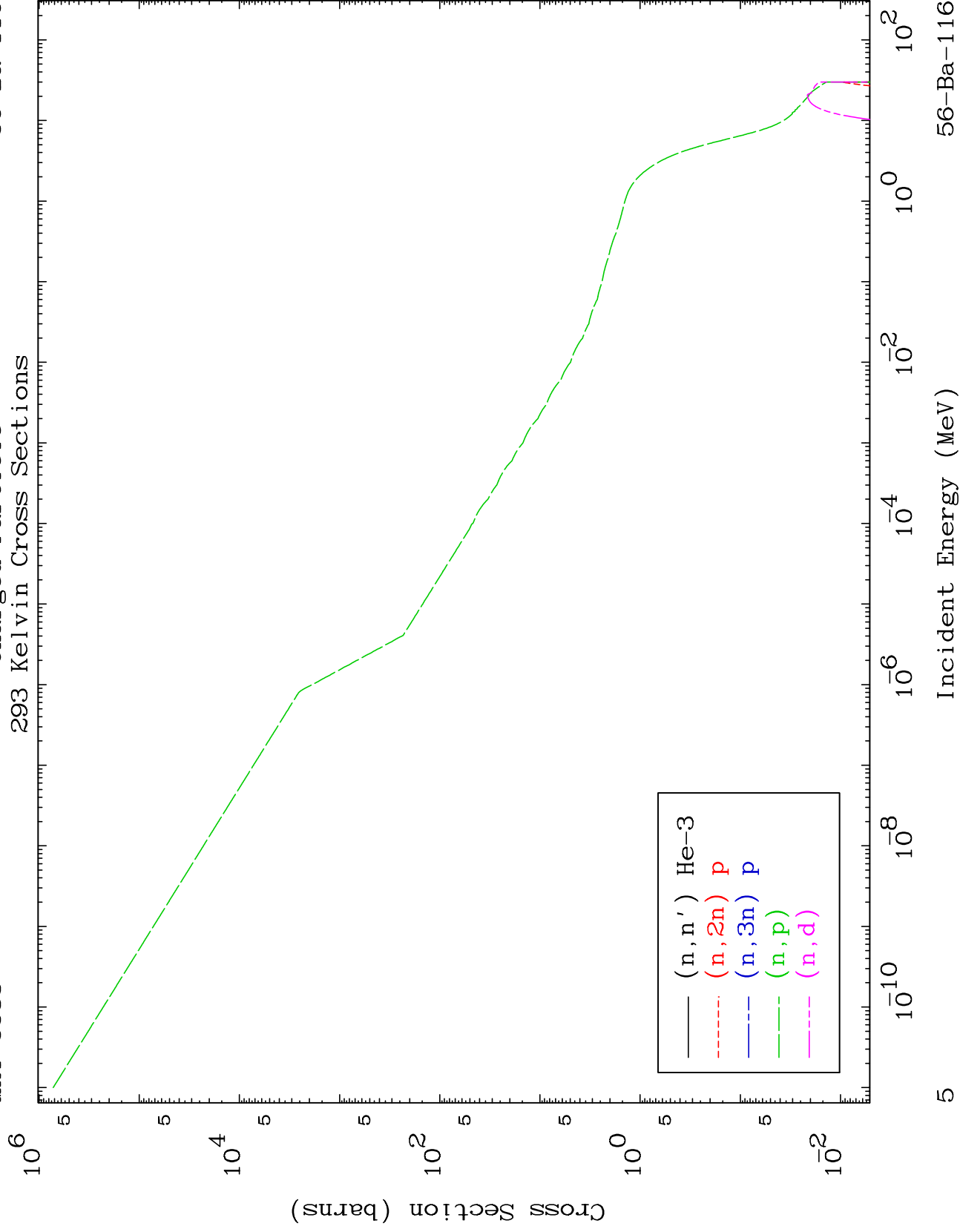
56-Ba-116



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Charged Particle  
293 Kelvin Cross Sections

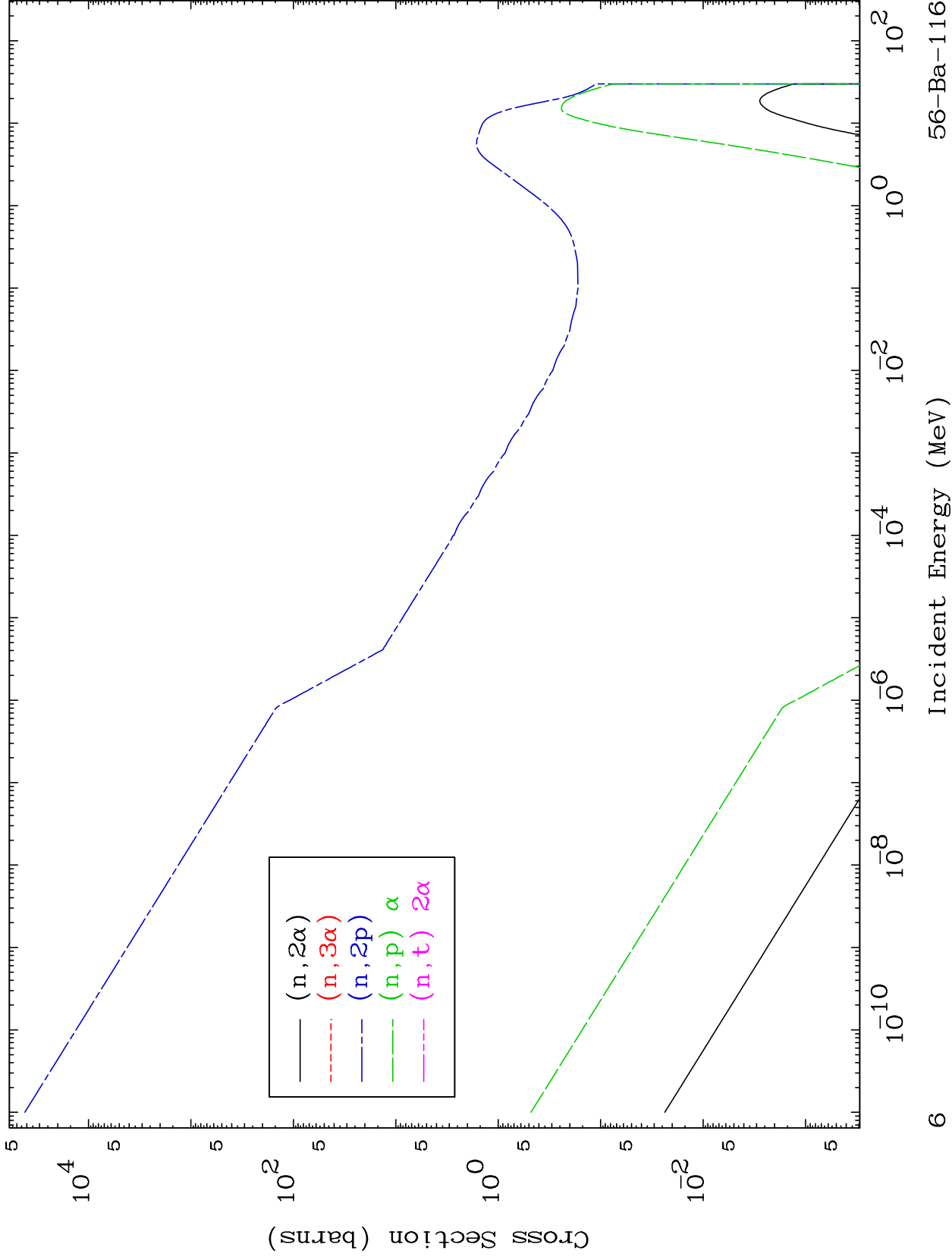
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Charged Particle  
293 Kelvin Cross Sections

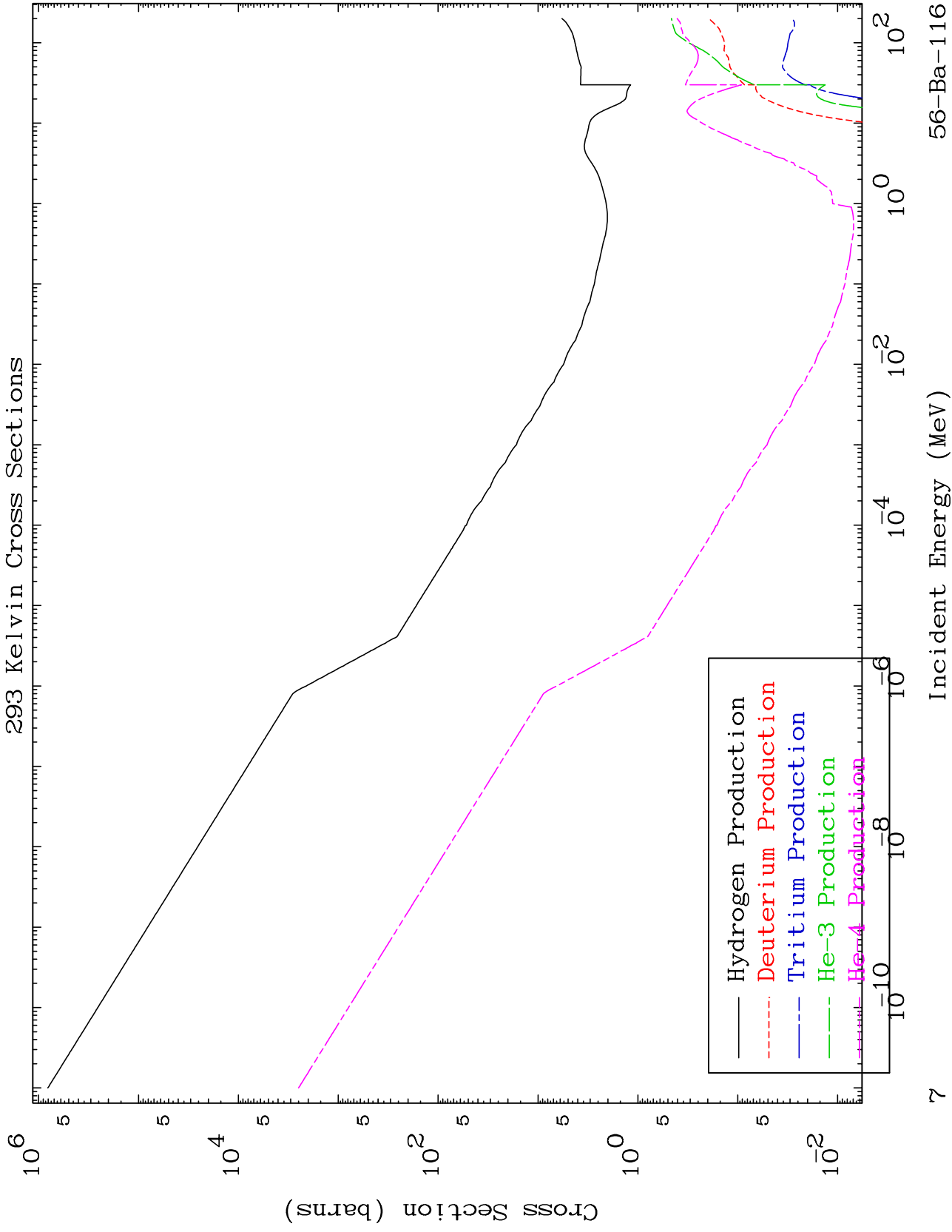
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Particle Production  
293 Kelvin Cross Sections

56-Ba-116

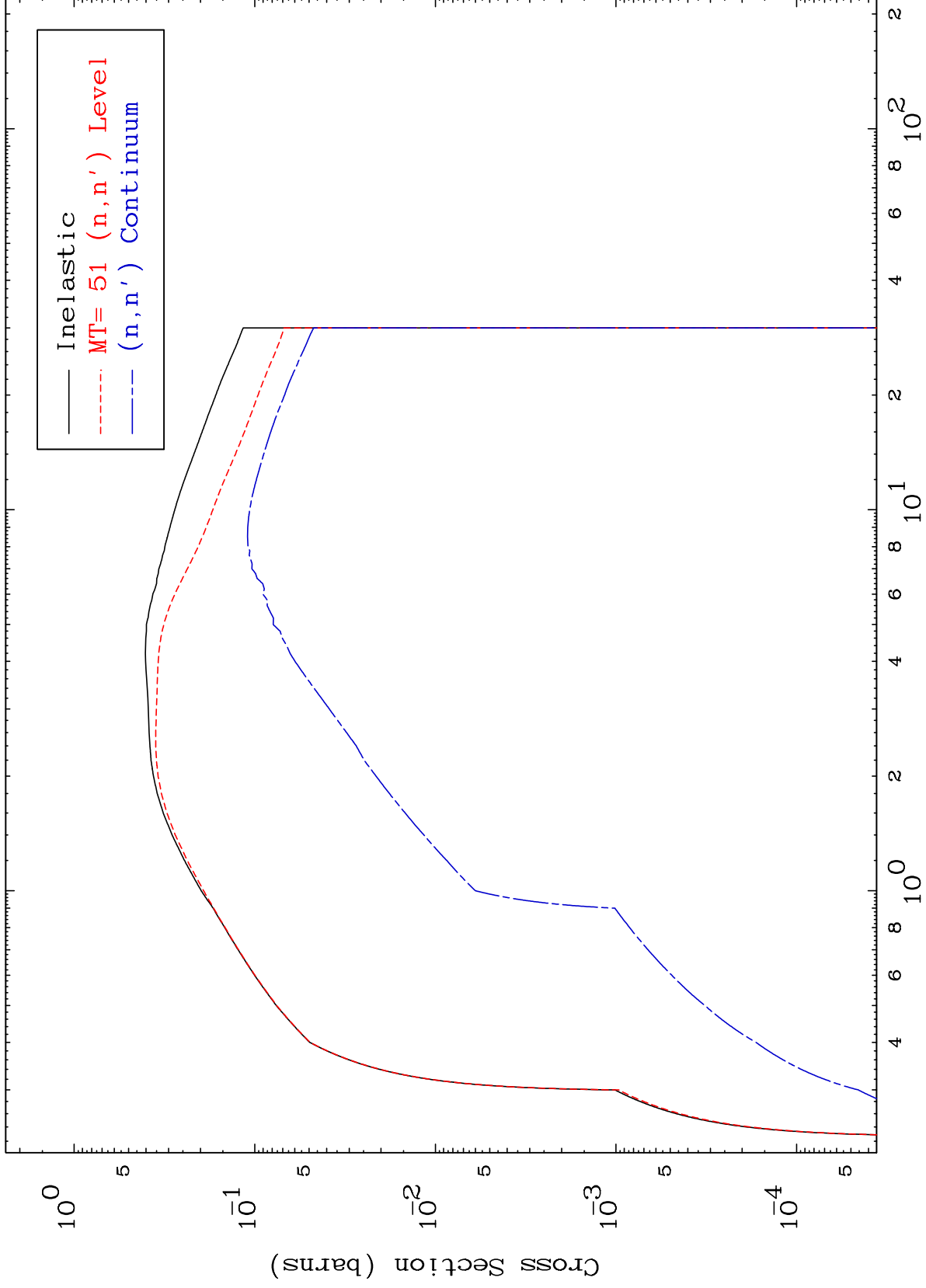




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(n,n') Level  
293 Kelvin Cross Sections

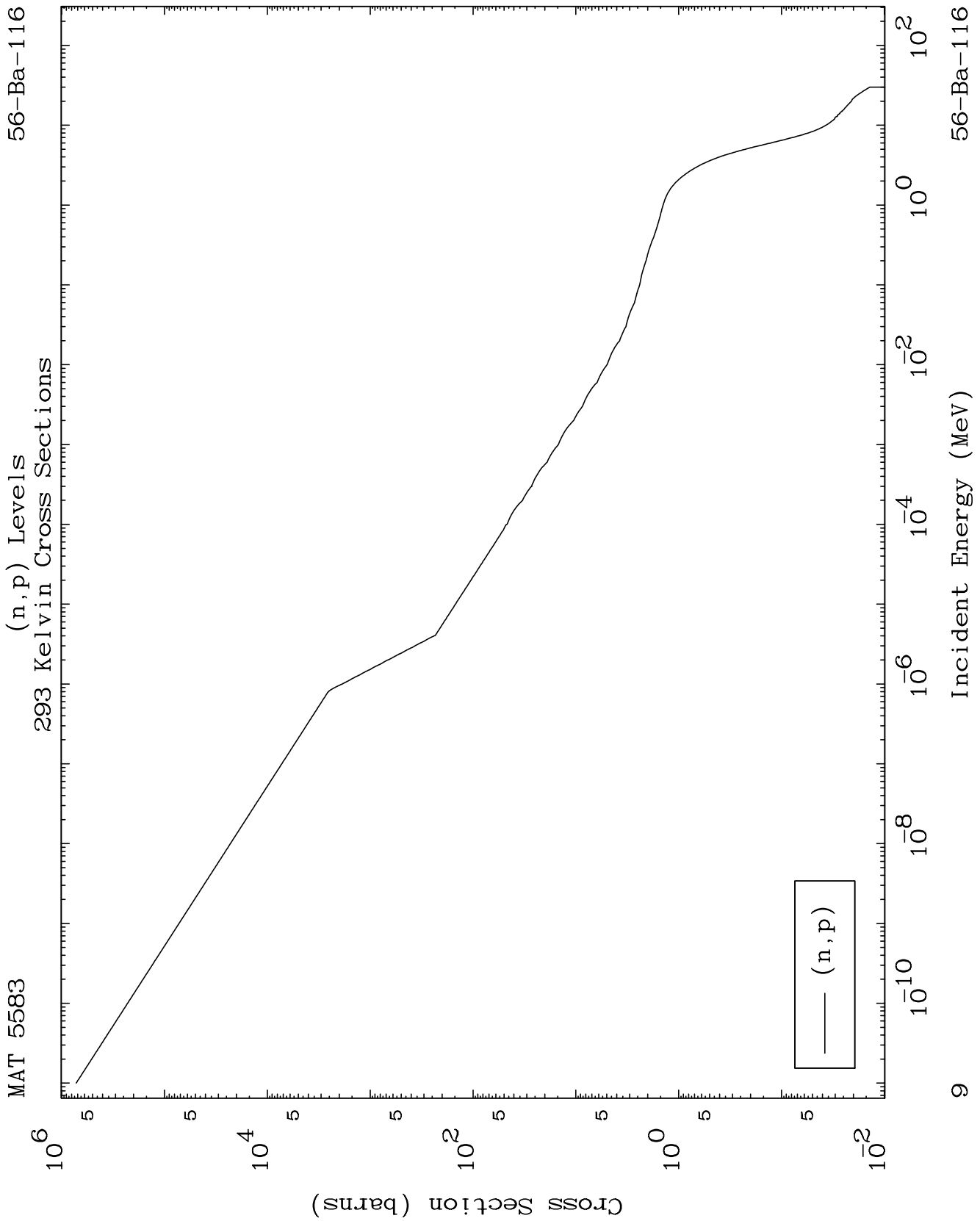
56-Ba-116



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Incident Energy (MeV)

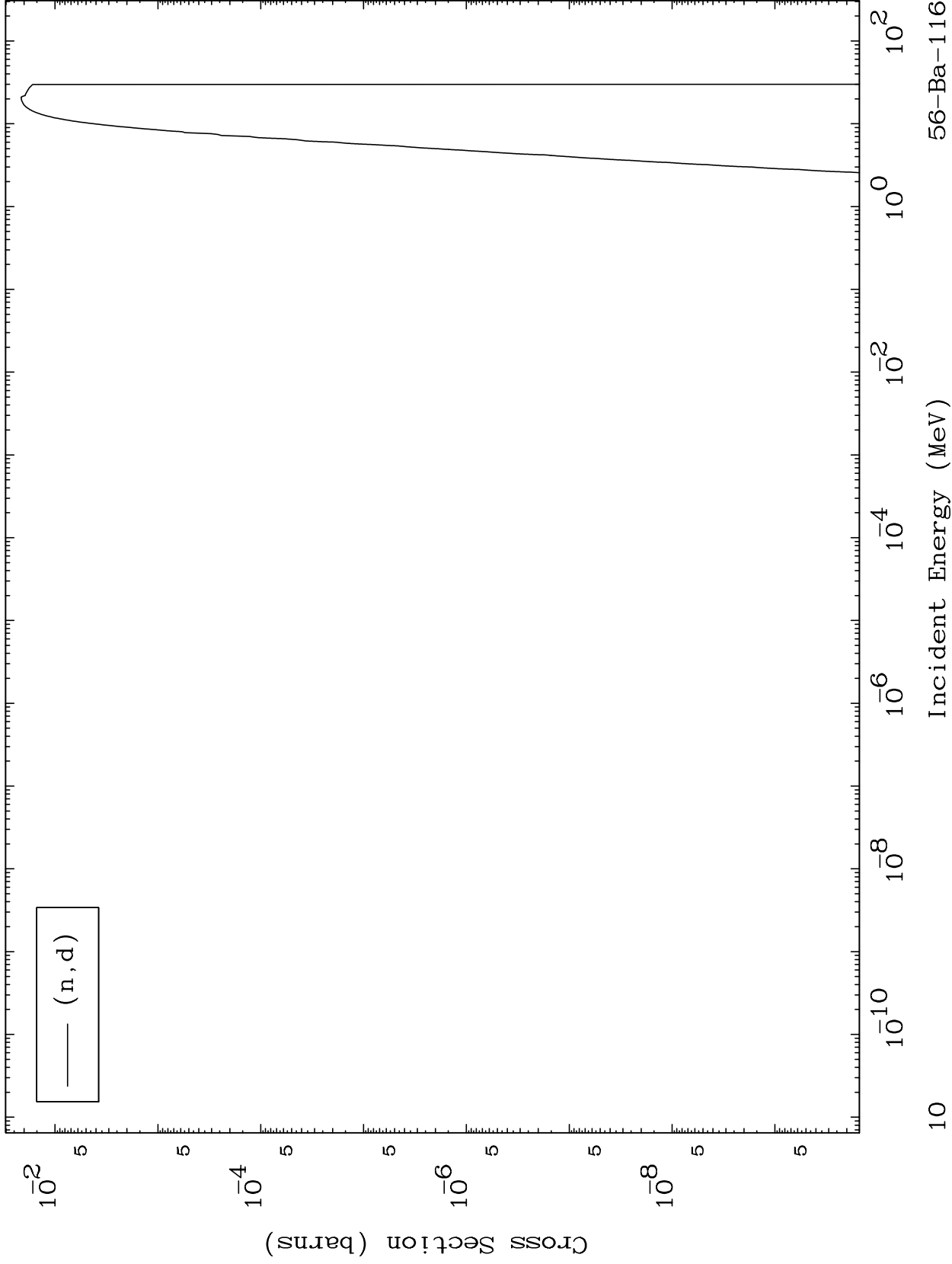
56-Ba-116



MAT 5583

(n,d) Levels  
293 Kelvin Cross Sections

56-Ba-116



10

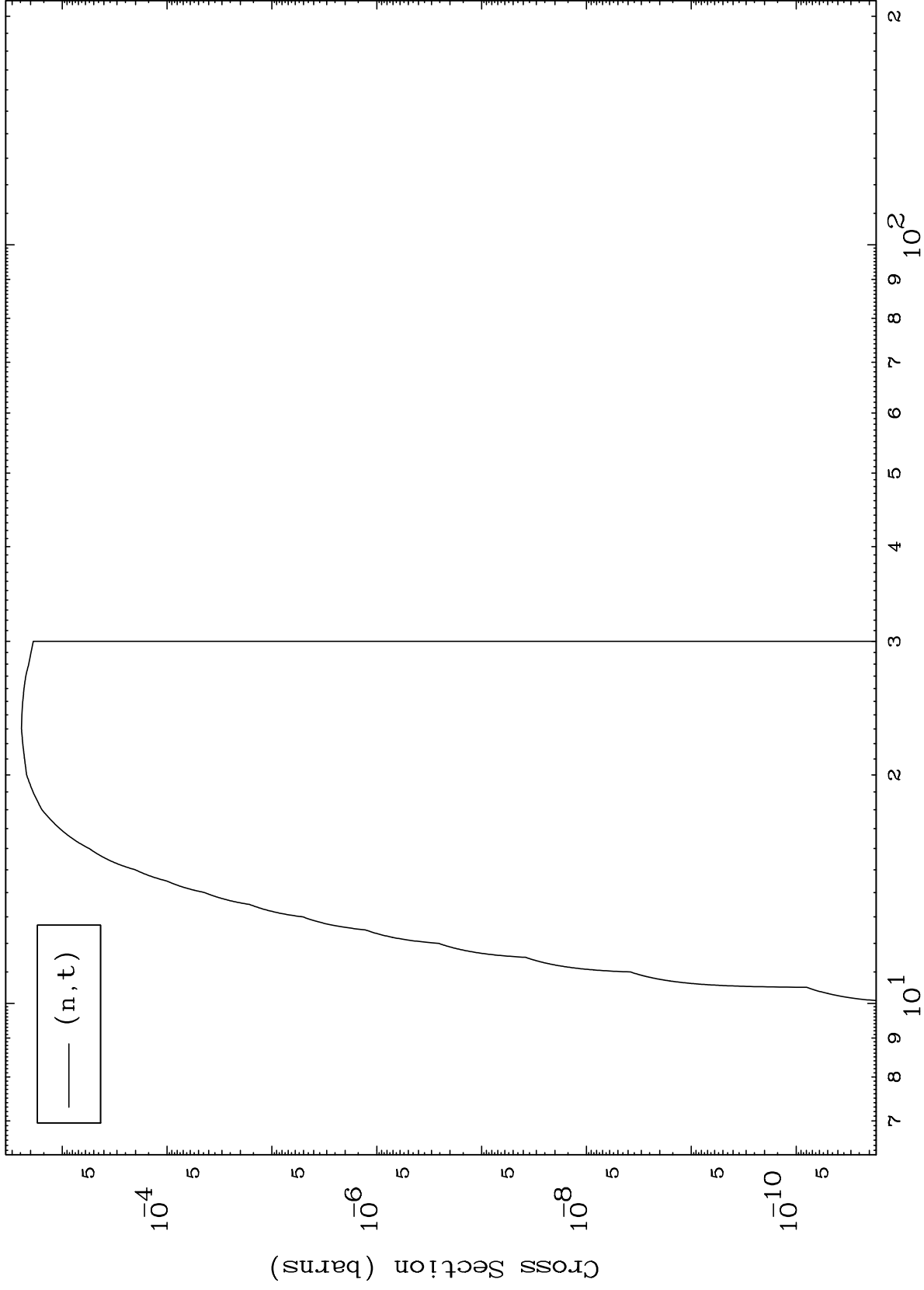
Incident Energy (MeV)

56-Ba-116

MAT 5583

(n,t) Levels  
293 Kelvin Cross Sections

56-Ba-116



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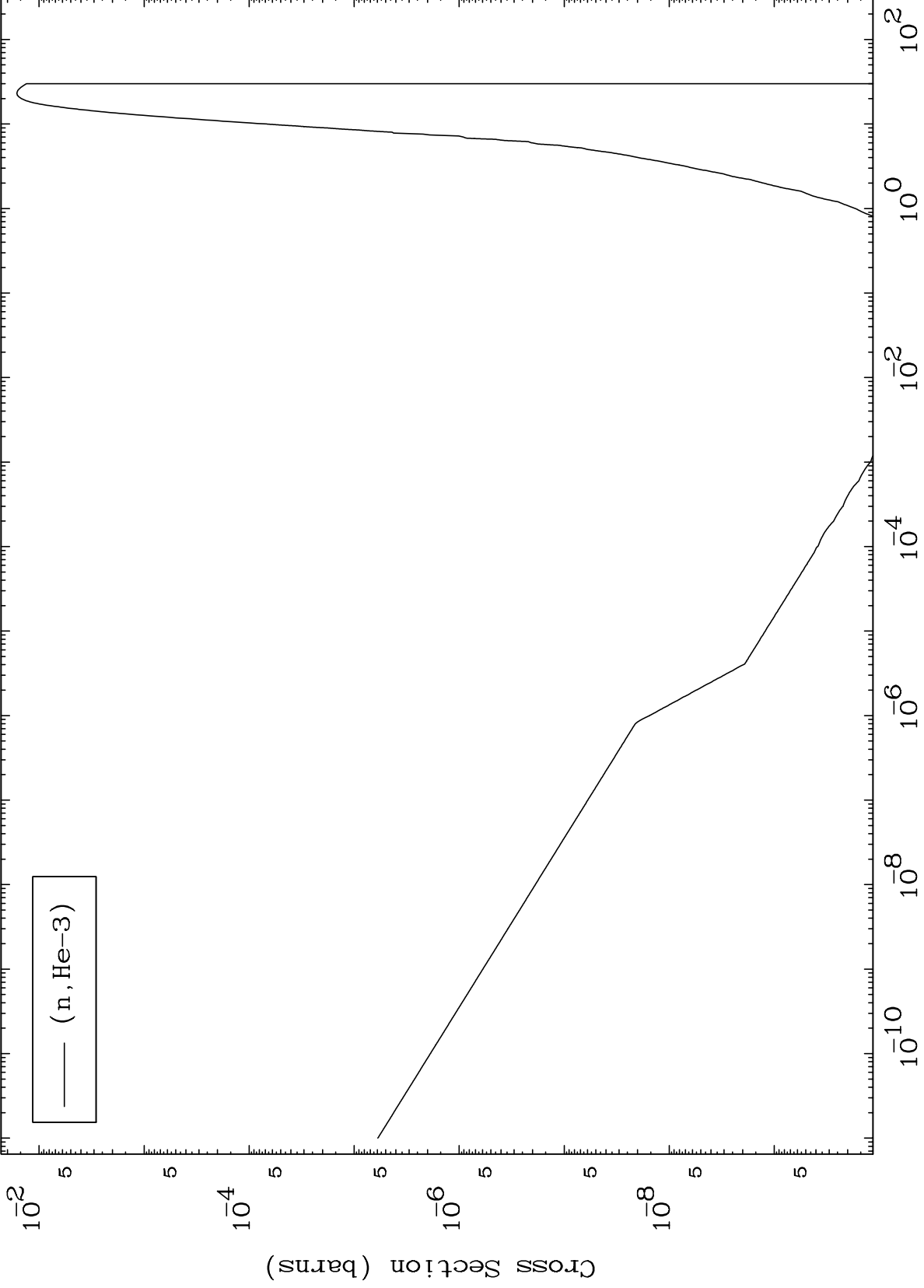
Incident Energy (MeV)

56-Ba-116

MAT 5583

(n,He3) Levels  
293 Kelvin Cross Sections

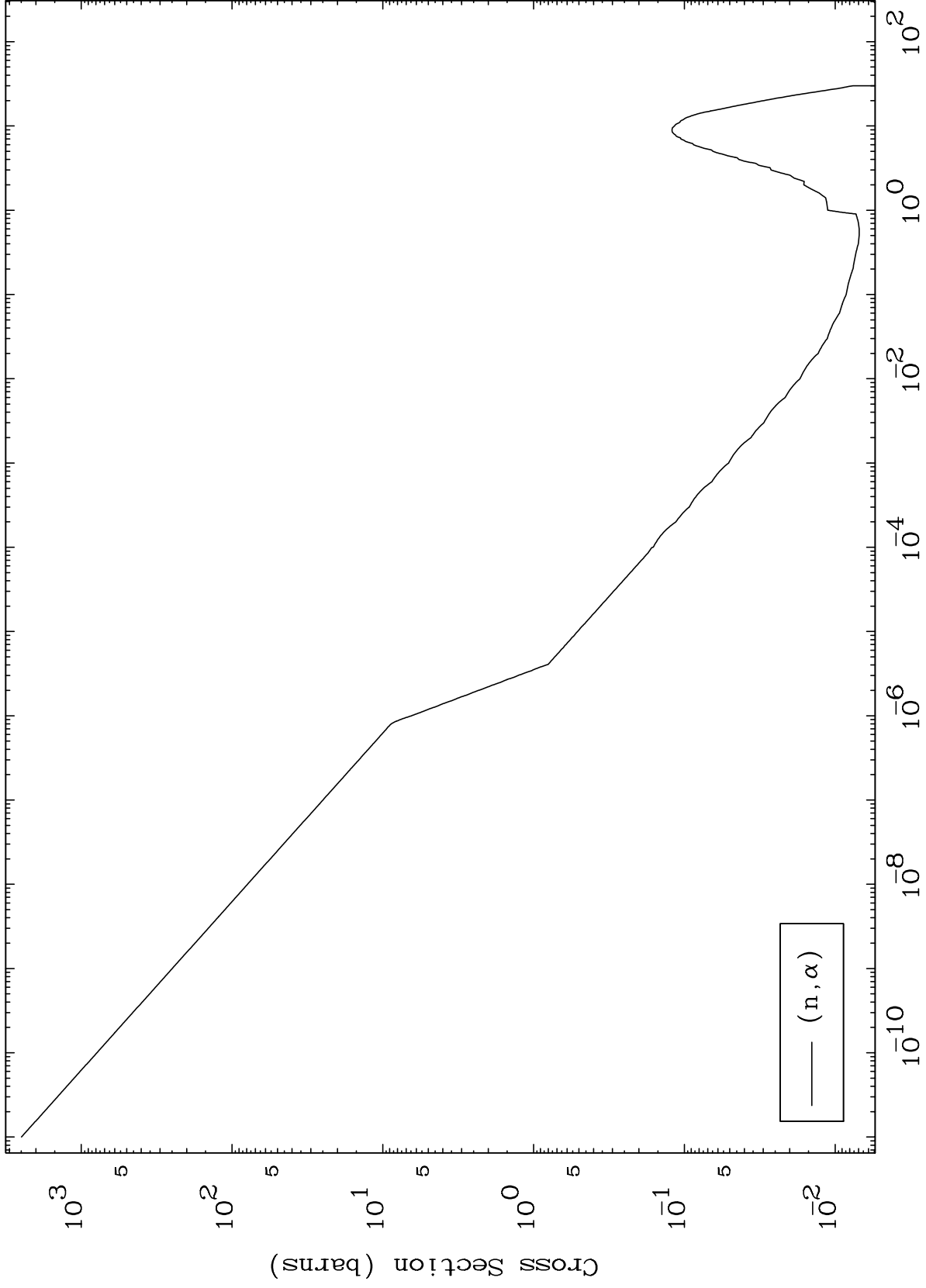
56-Ba-116

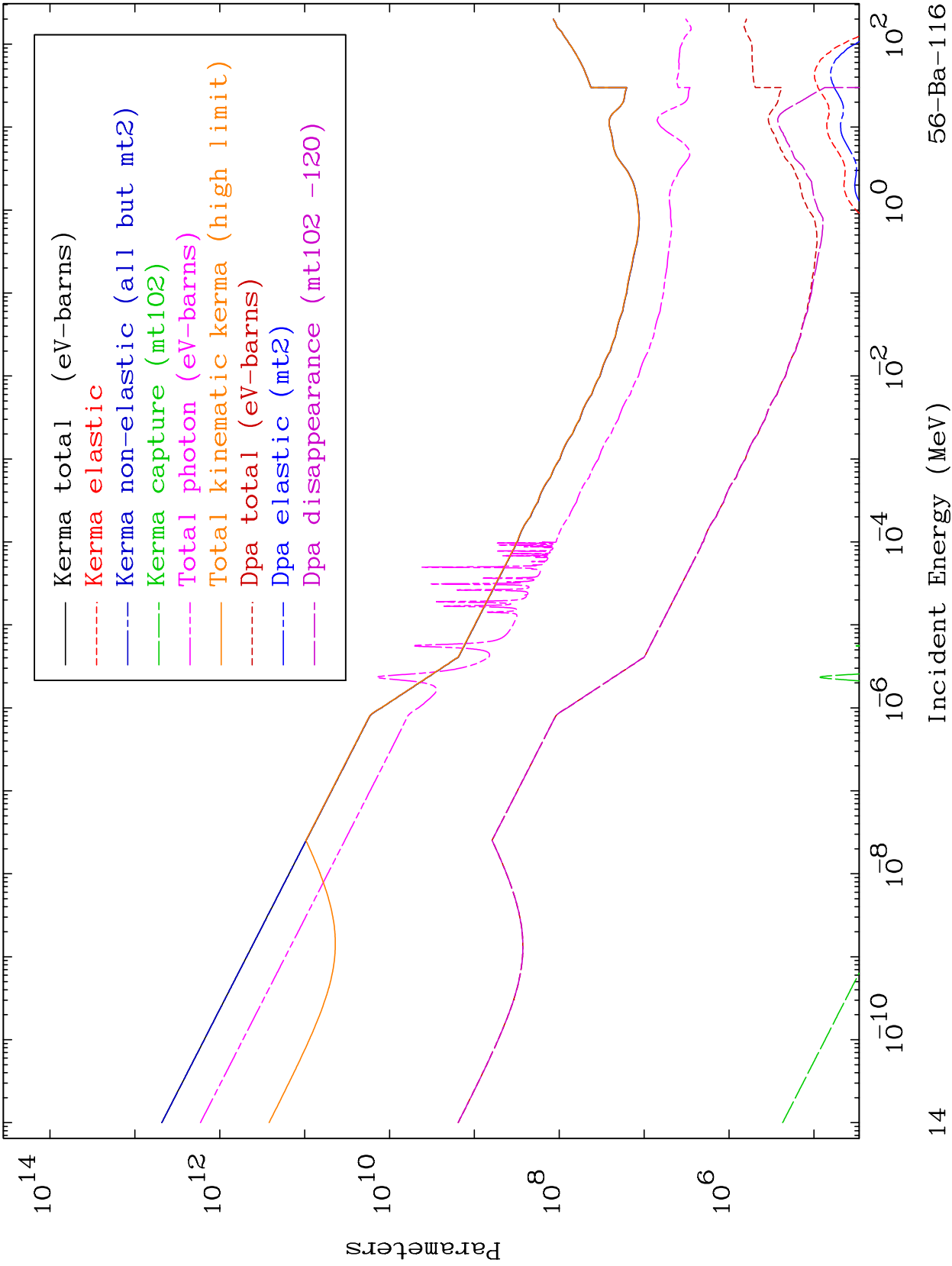


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(n,α) Levels  
293 Kelvin Cross Sections

56-Ba-116

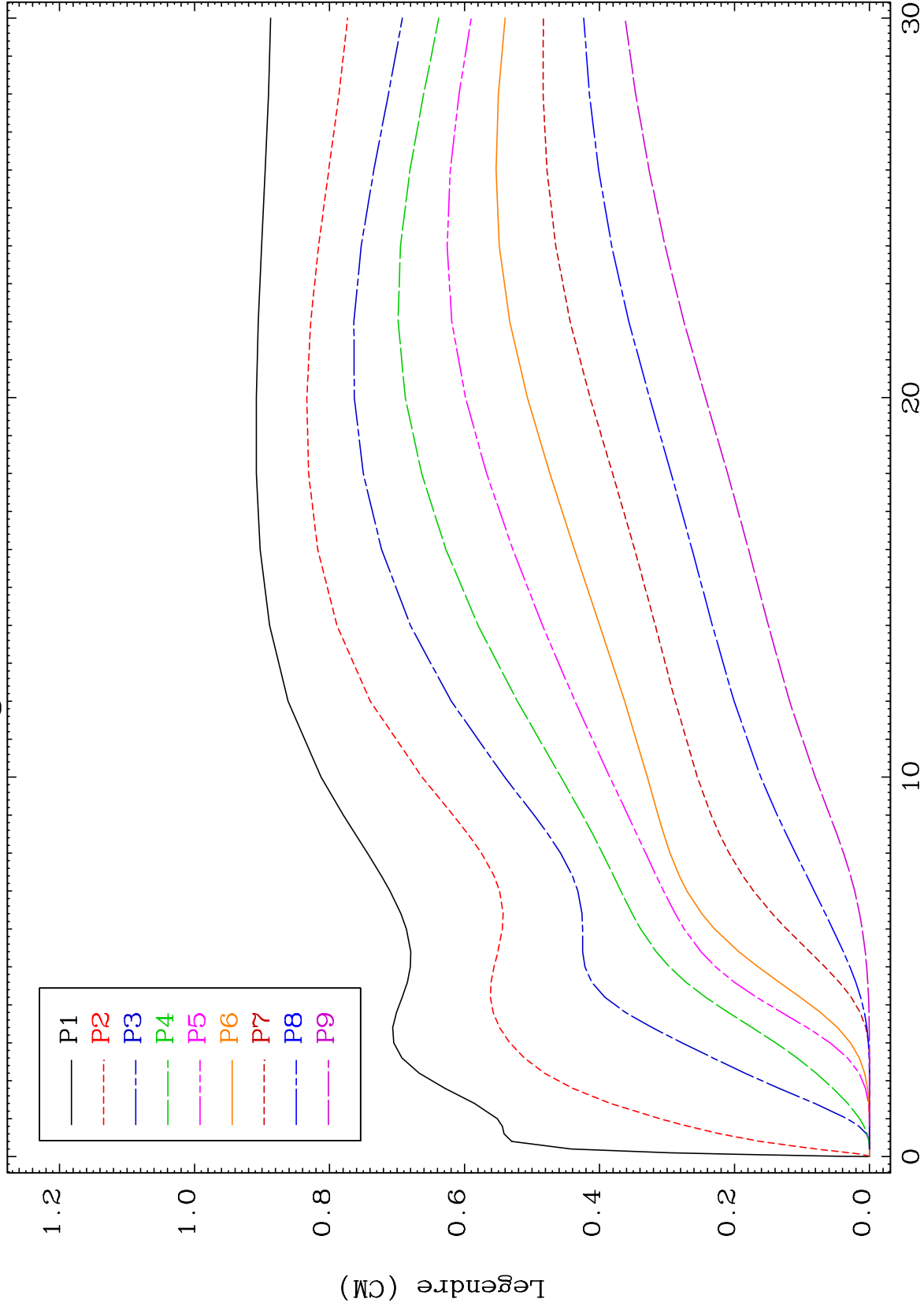




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Elastic Legendre Coefficients

56-Ba-116



15

Incident Energy (MeV)

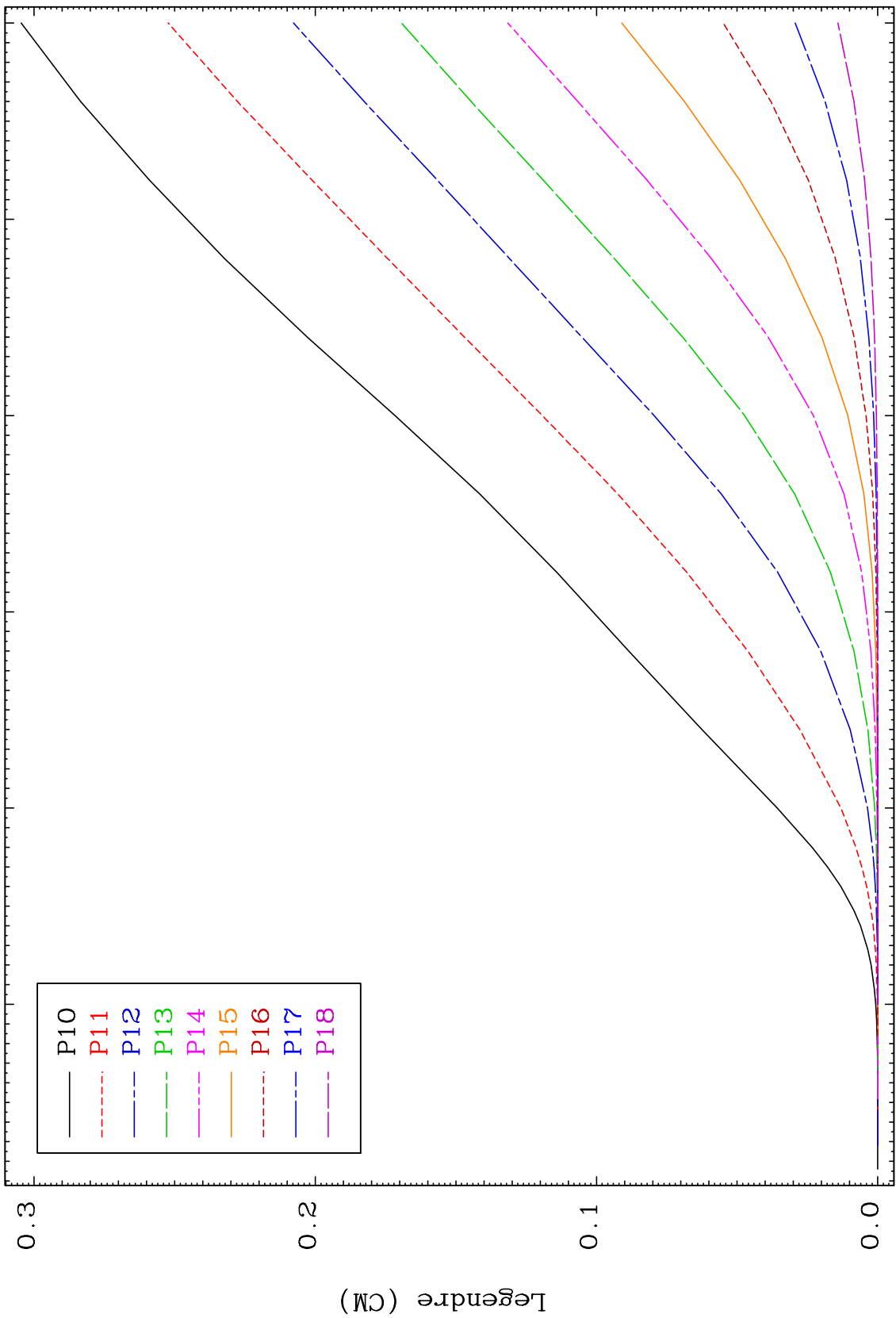
56-Ba-116



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Elastic Legendre Coefficients

56-Ba-116



16

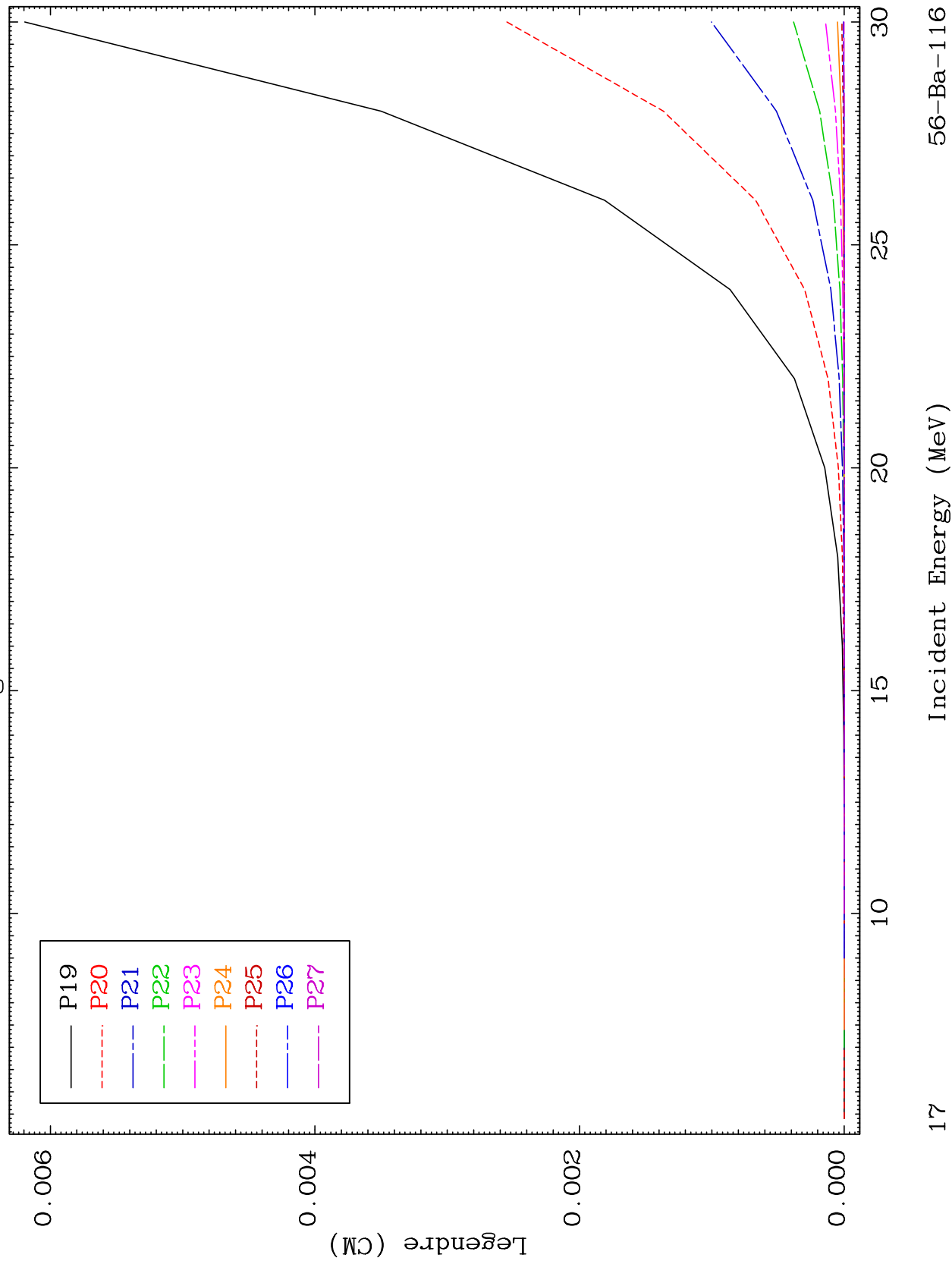
Incident Energy (MeV)

56-Ba-116

MAT 5583

Elastic Legendre Coefficients

56-Ba-116



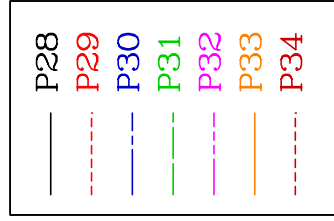
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56-Ba-116

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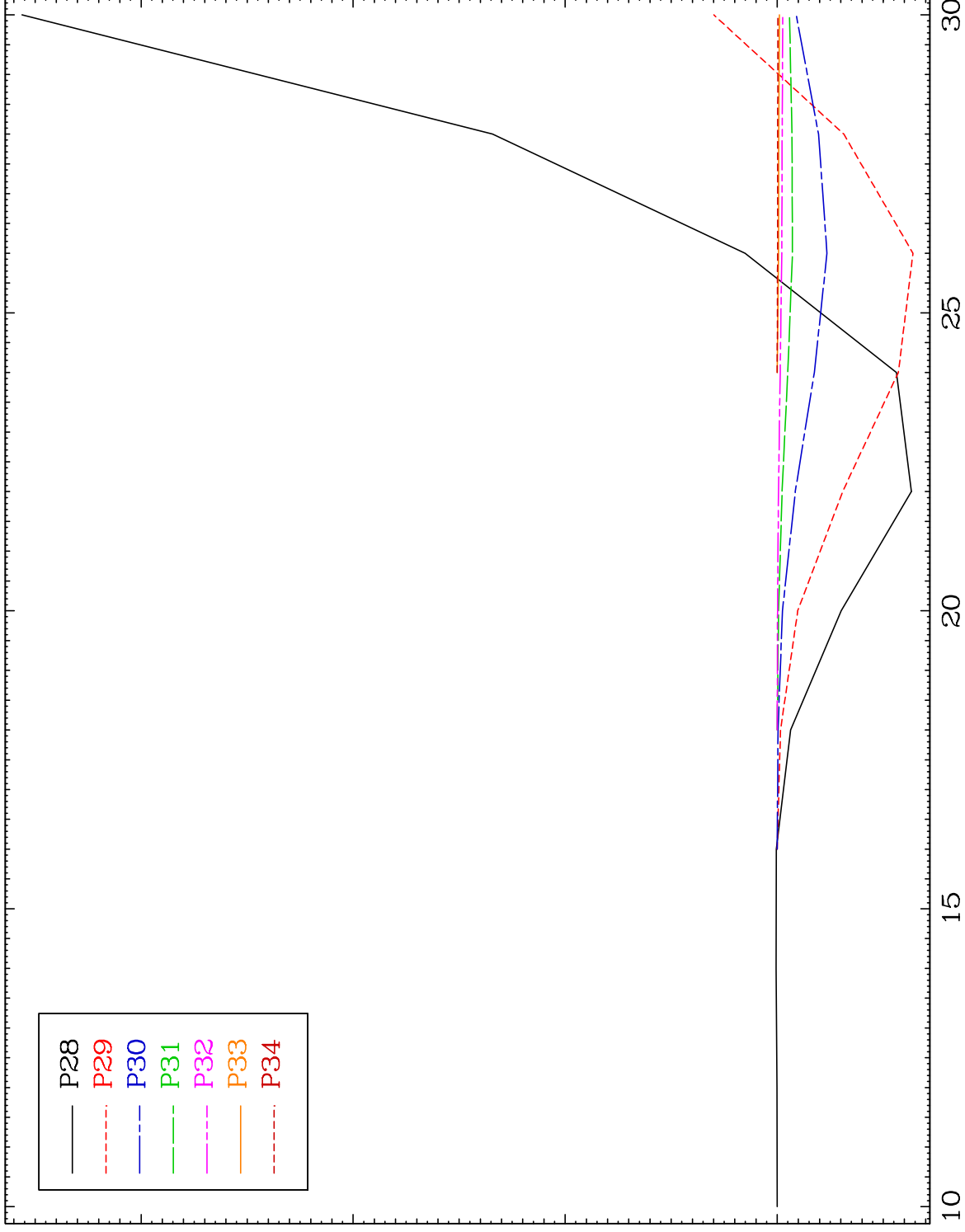
Elastic  
Legendre Coefficients

56-Ba-116



$\times 10^{-7}$

Legendre (CM)



10

15

20

25

30

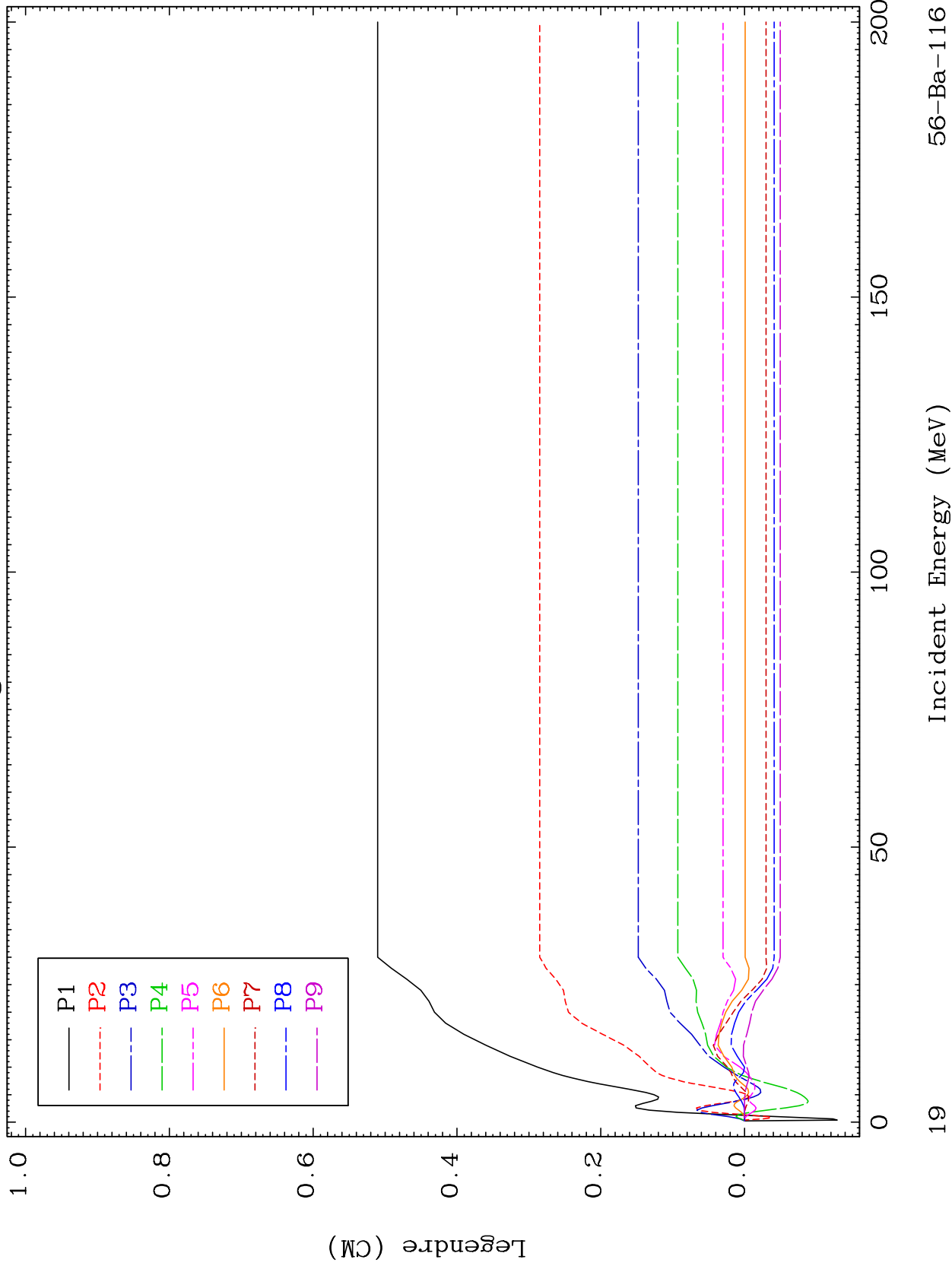
Incident Energy (MeV)

56-Ba-116

MAT 5583

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

56-Ba-116

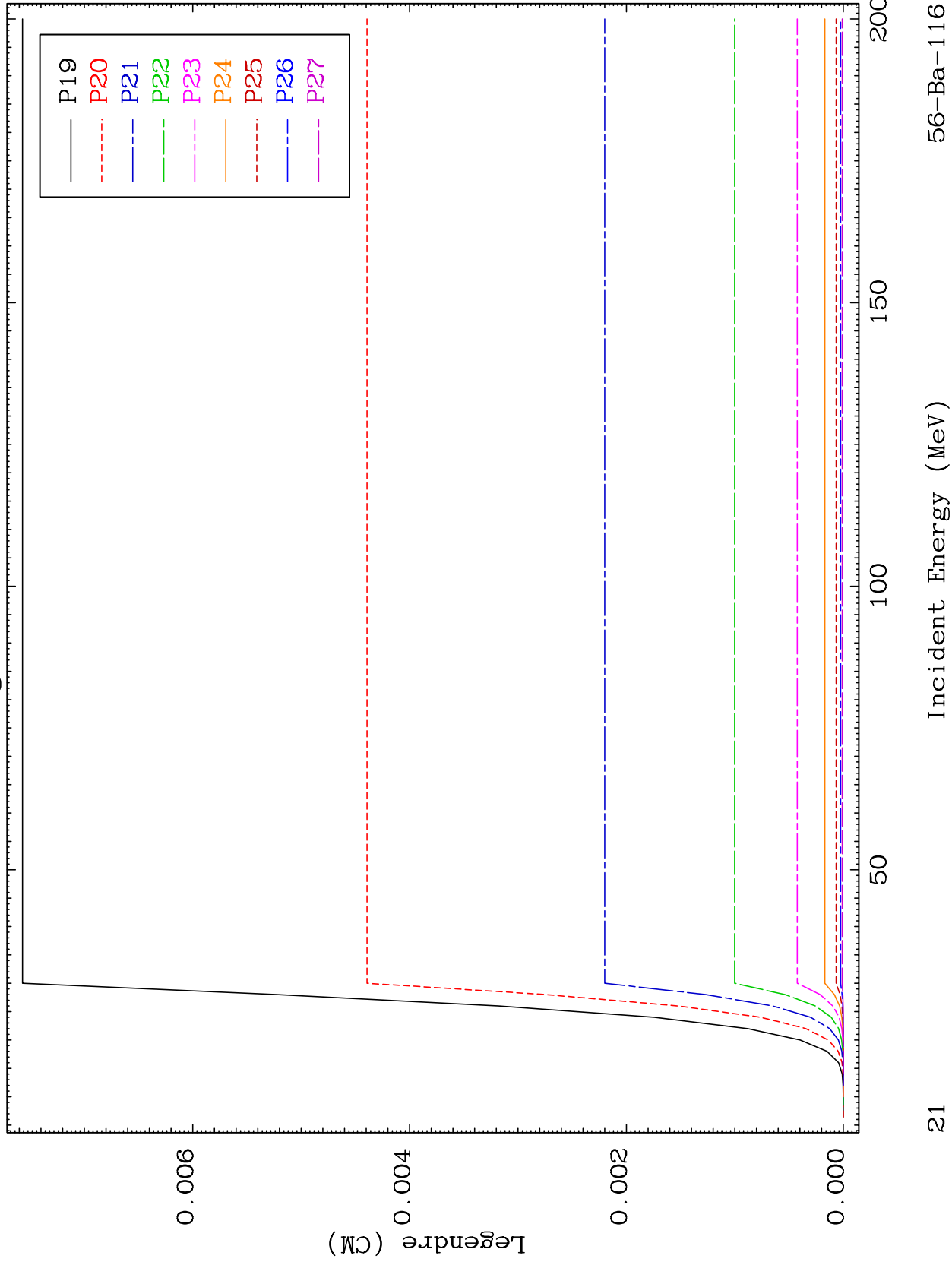




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MT= 51 (n,n') Level  
Legendre Coefficients

56-Ba-116



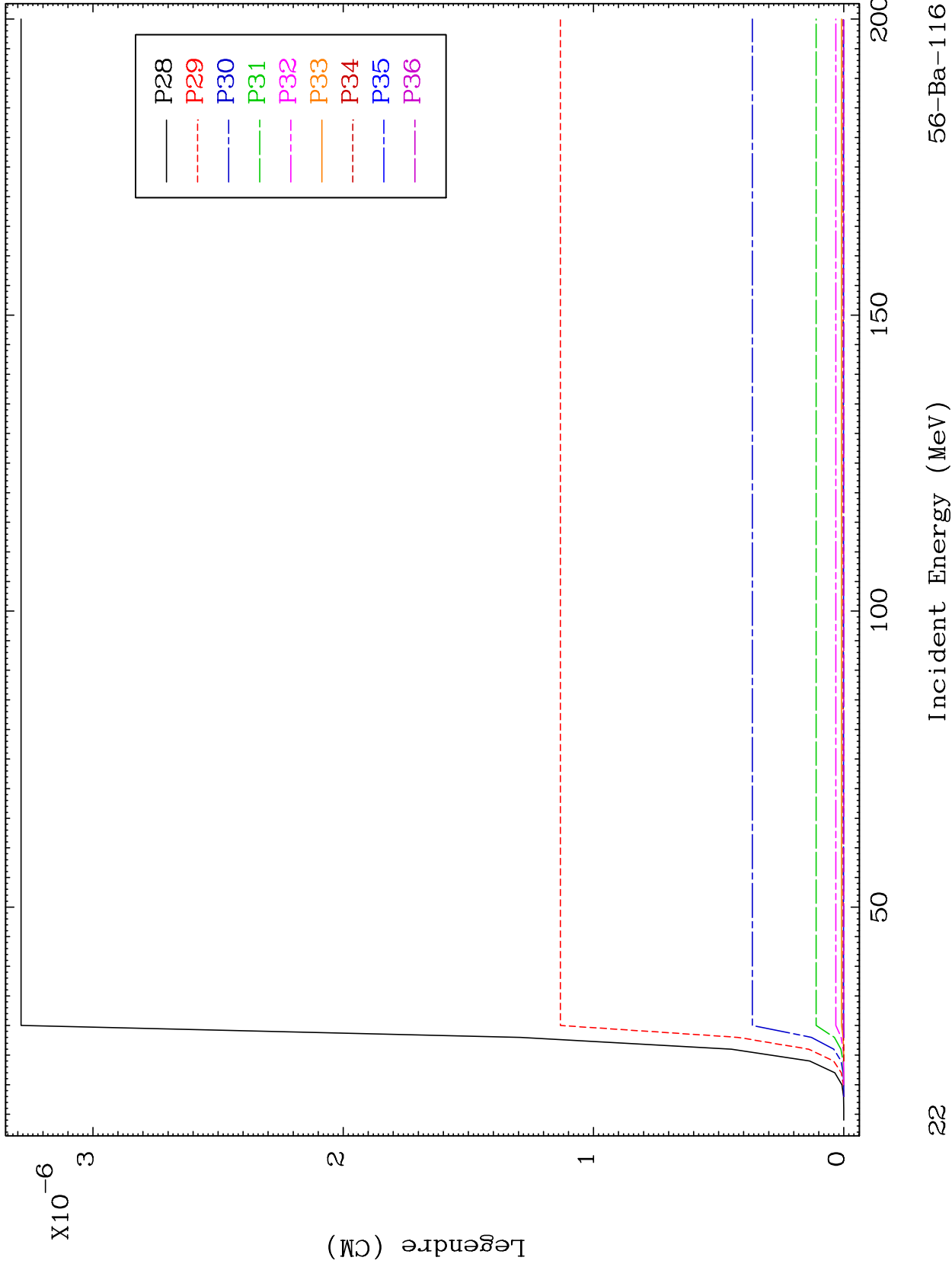
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MT= 51 (n,n') Level  
Legendre Coefficients

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(n,p)  
Radionuclide Production Cross Section

