

Program EVALPLOT  
(Version 2018-1)

by

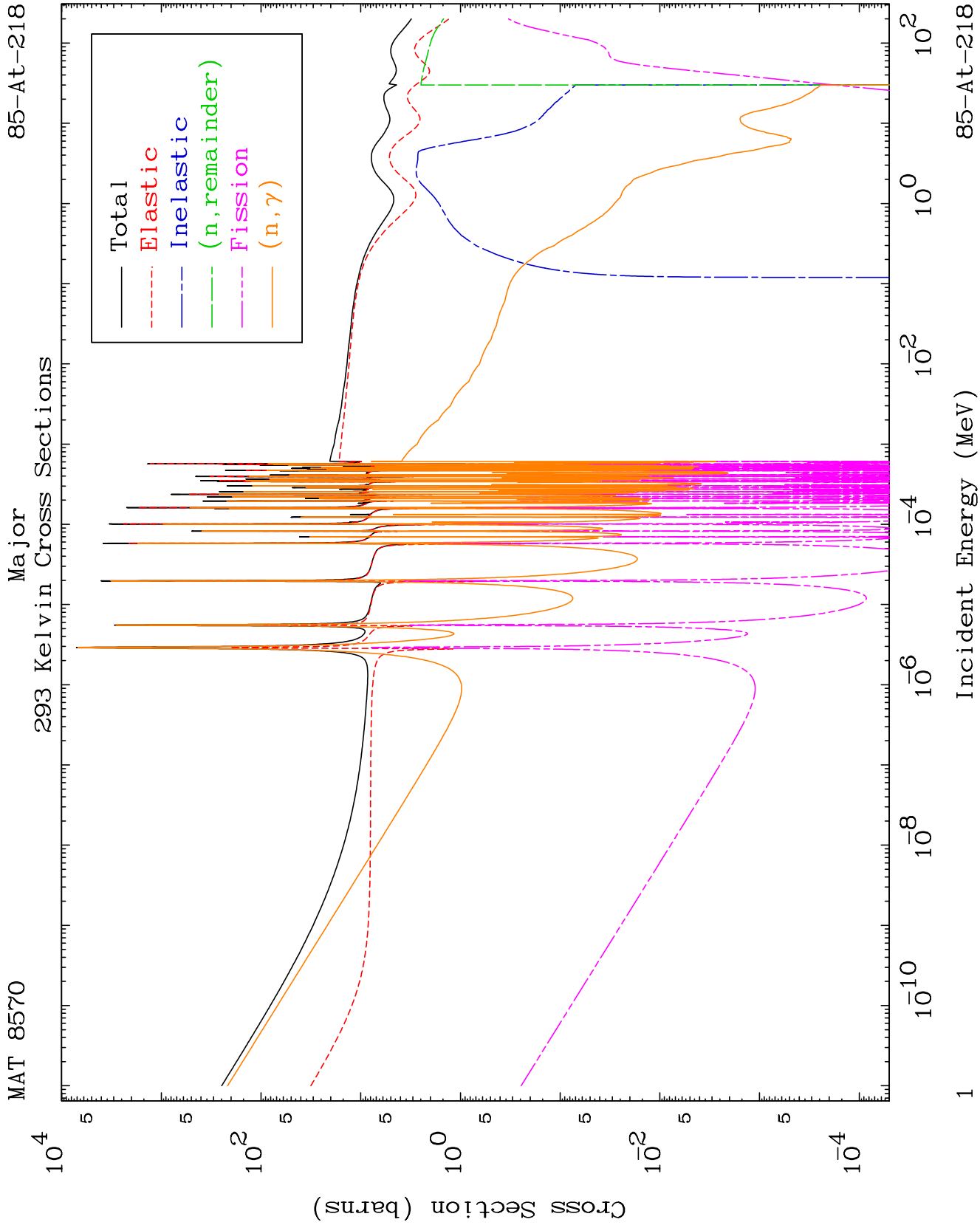
Dermott E. Cullen  
(Present Contact Information)

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Livermore, CA 94550  
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Tele: 925-443-1911

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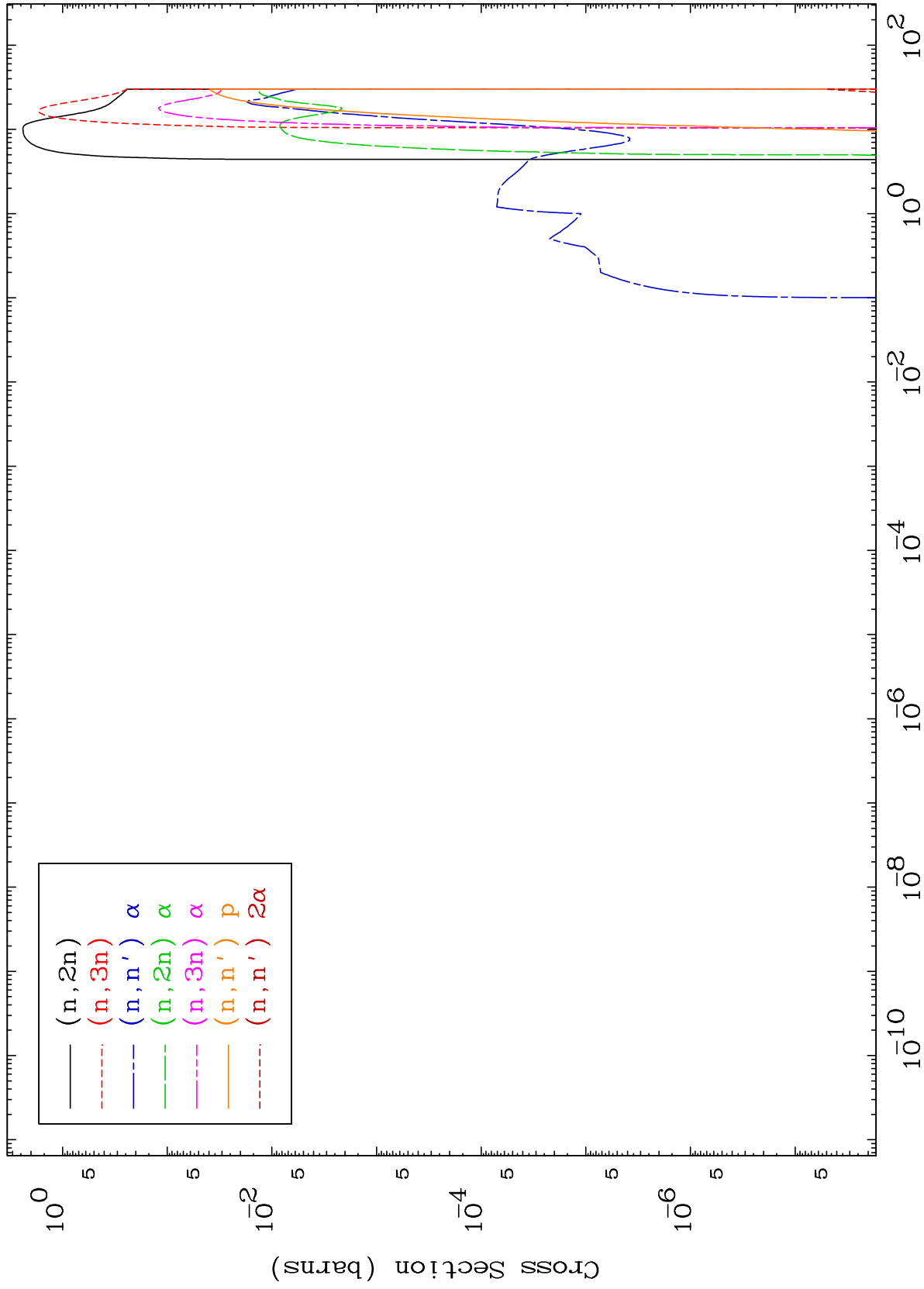
Press Mouse Button to Start



MAT 8570

Neutron Production  
293 Kelvin Cross Sections

85-At-218



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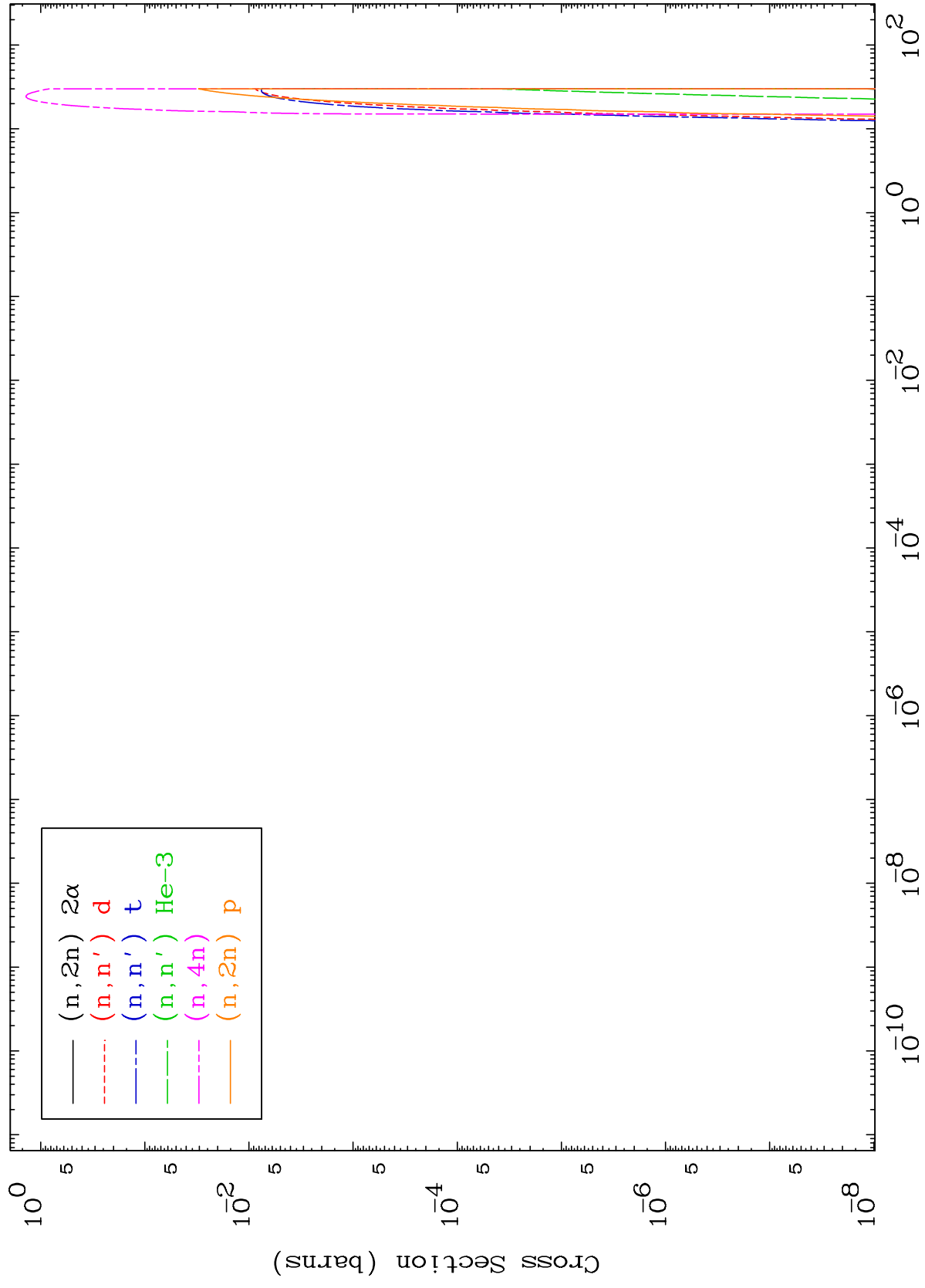
Incident Energy (MeV)

85-At-218

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Neutron Production  
293 Kelvin Cross Sections

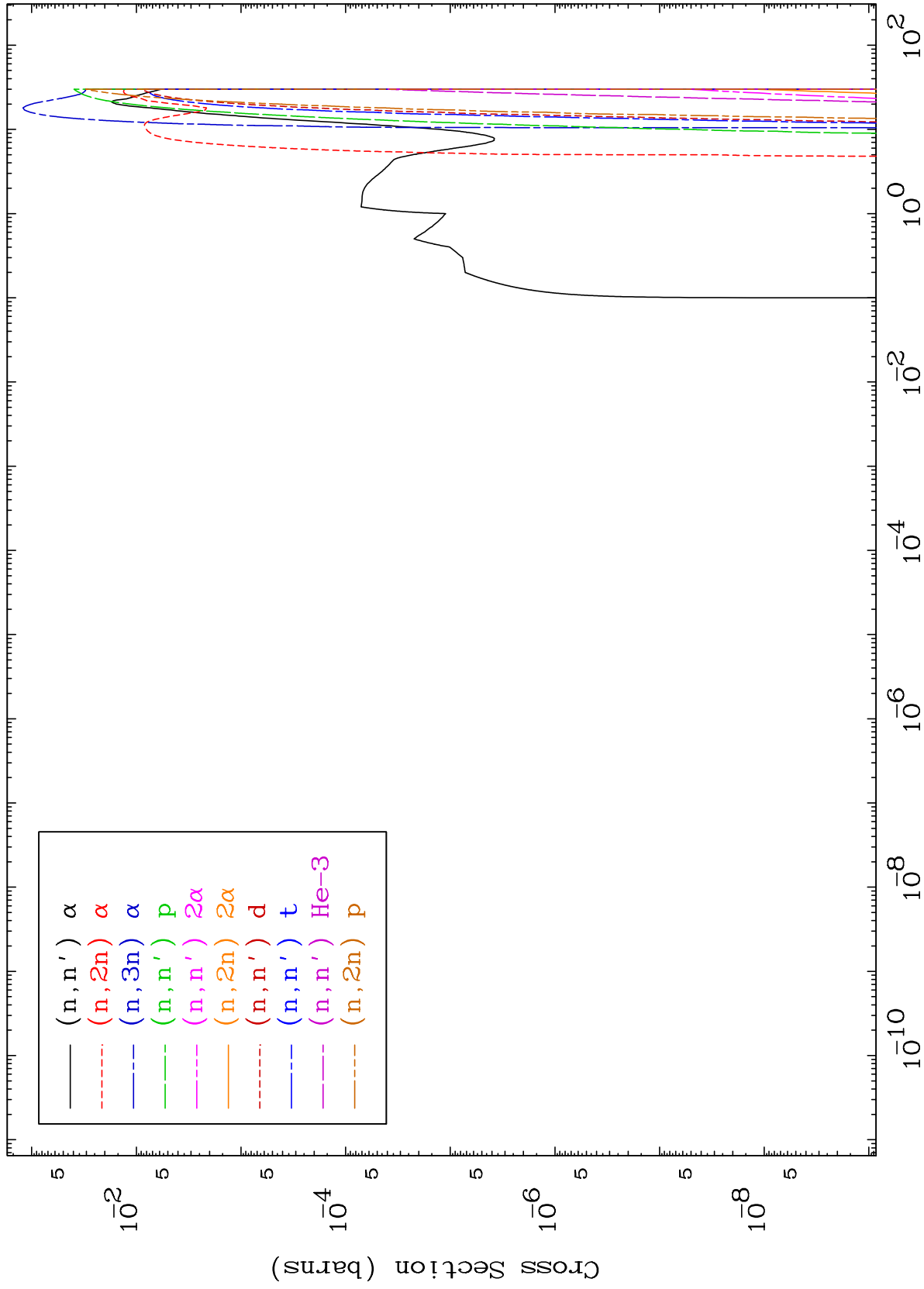
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Charged Particle  
293 Kelvin Cross Sections

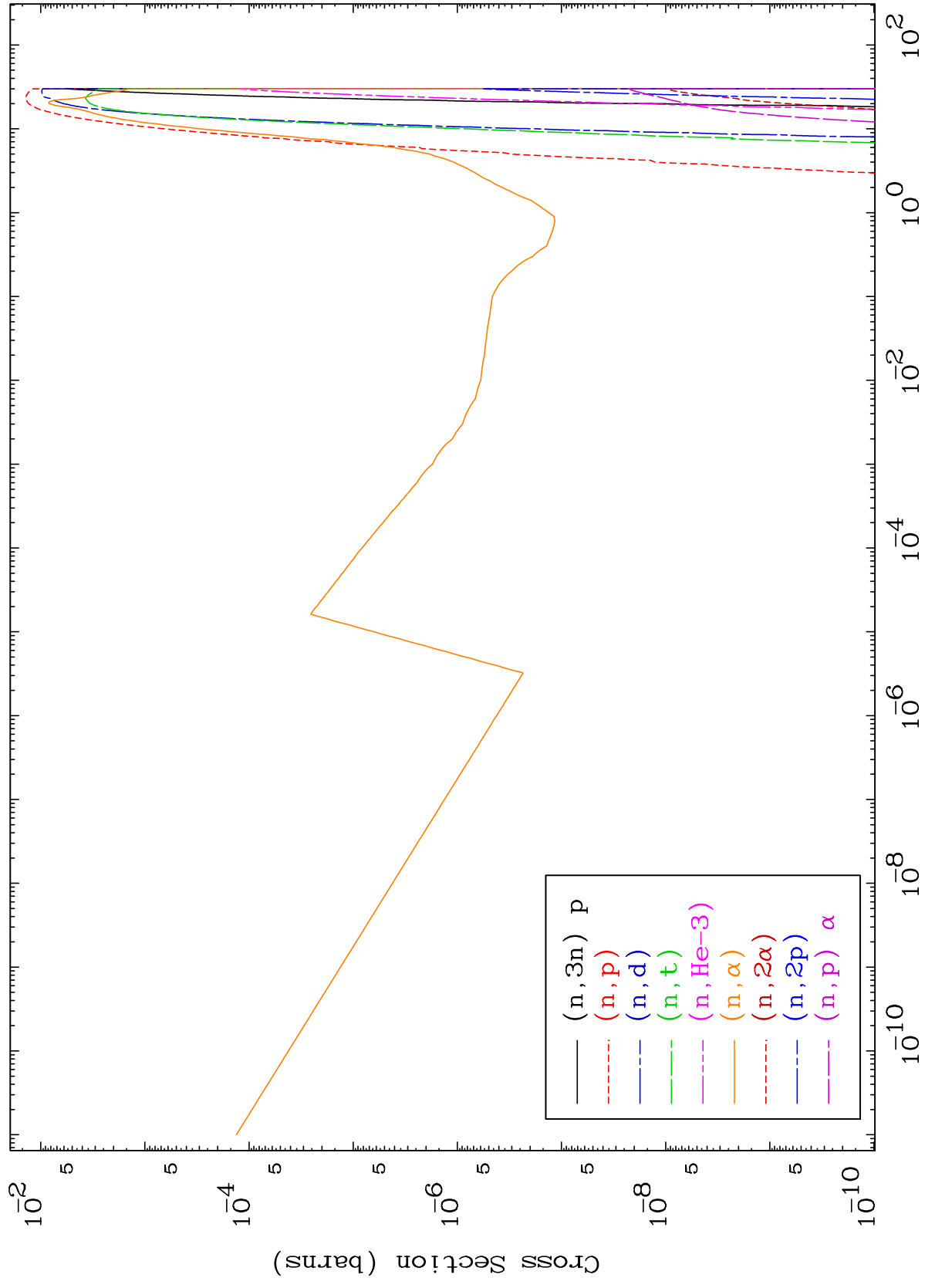
85-At-218

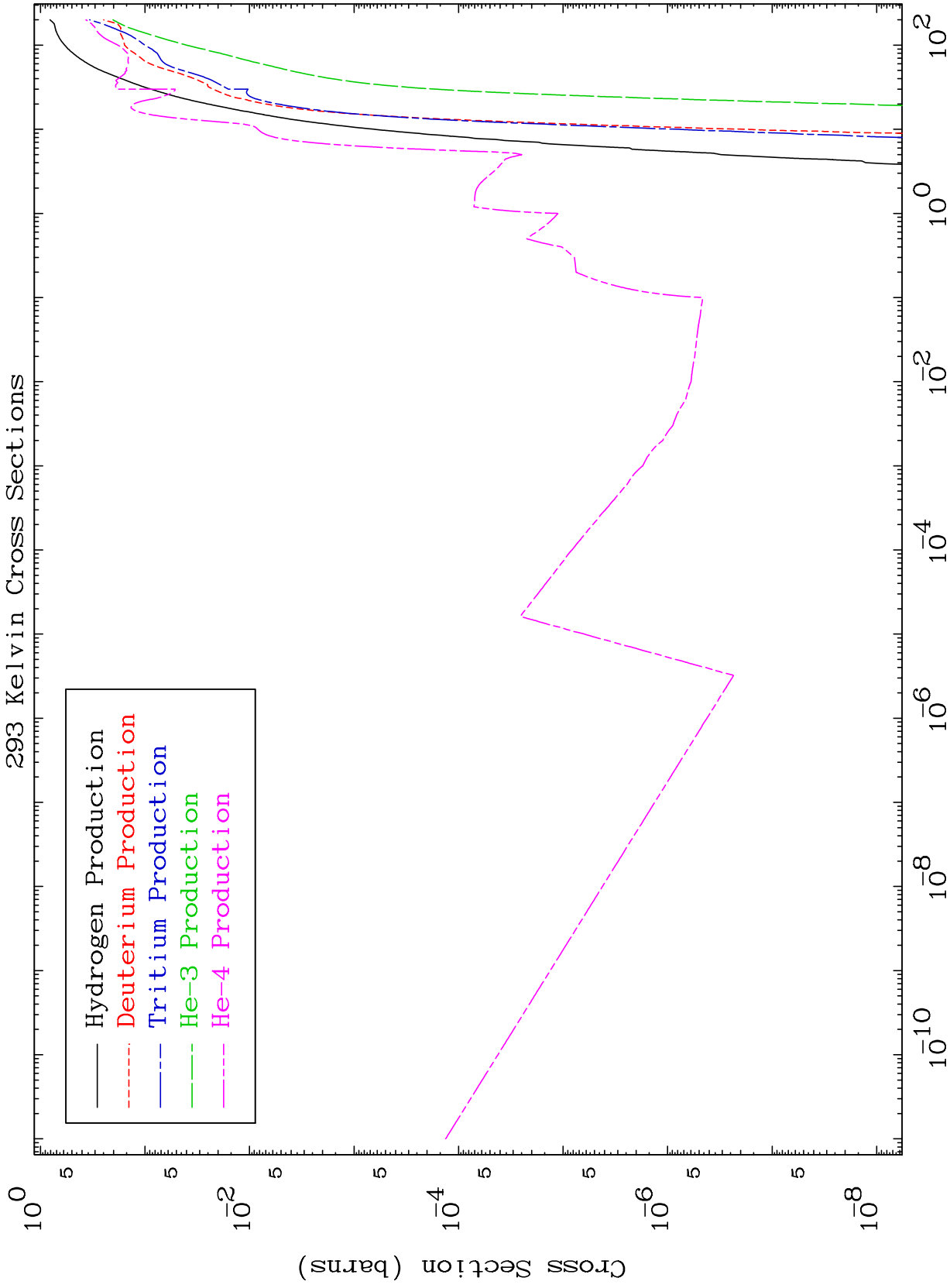


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293 Kelvin Cross Sections

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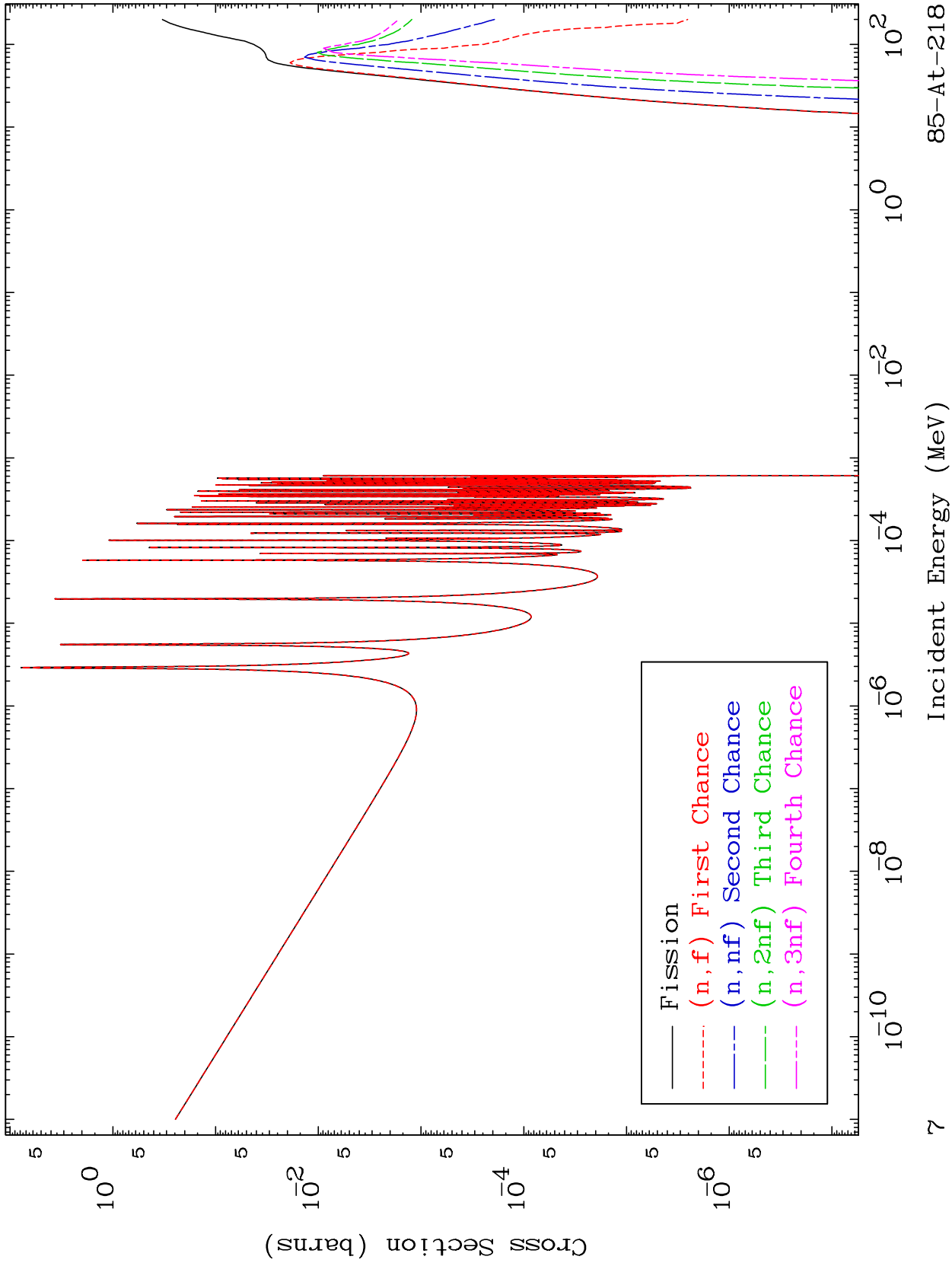




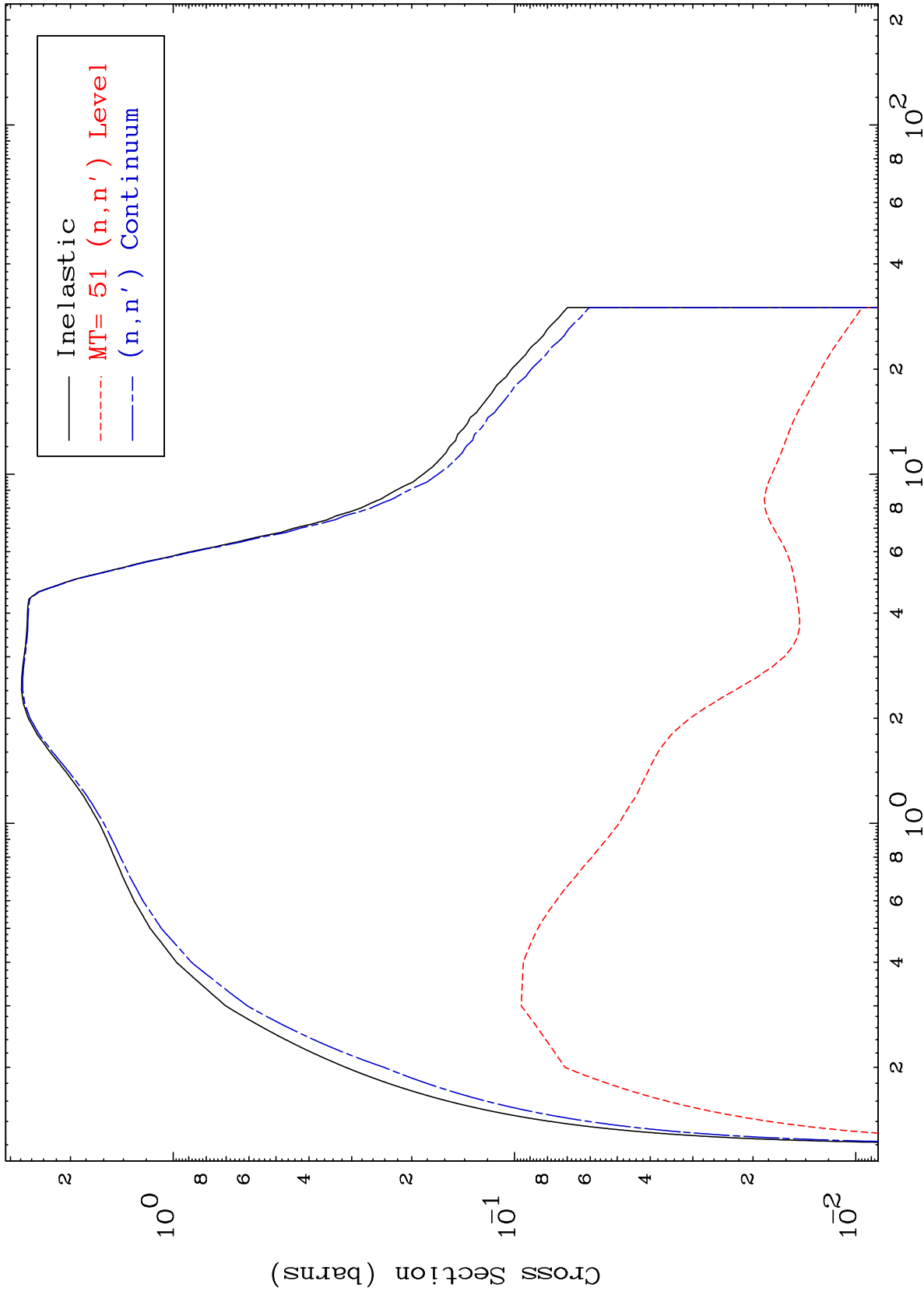
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Fission  
293 Kelvin Cross Sections

85-At-218



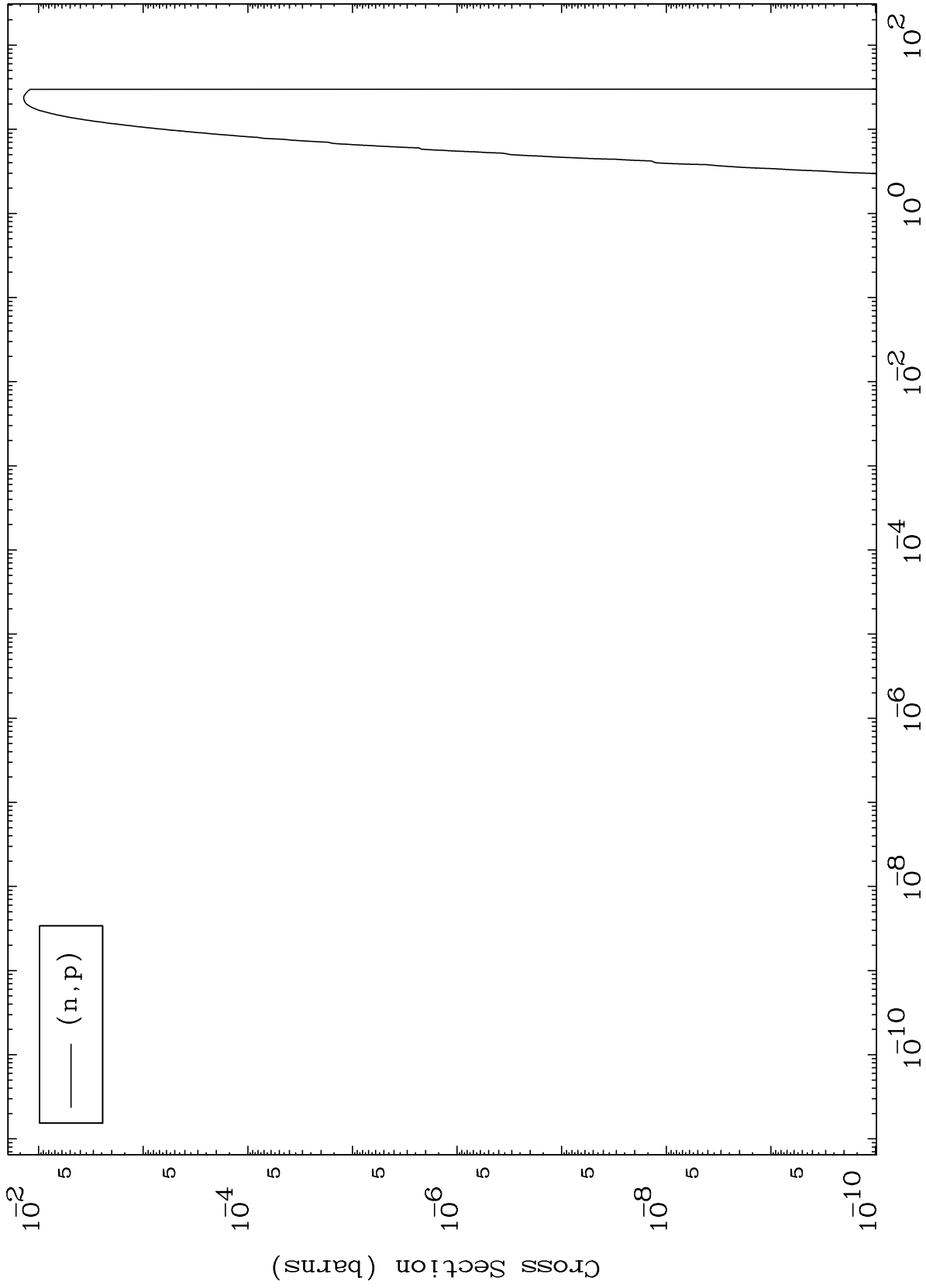




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(n,p) Levels  
293 Kelvin Cross Sections

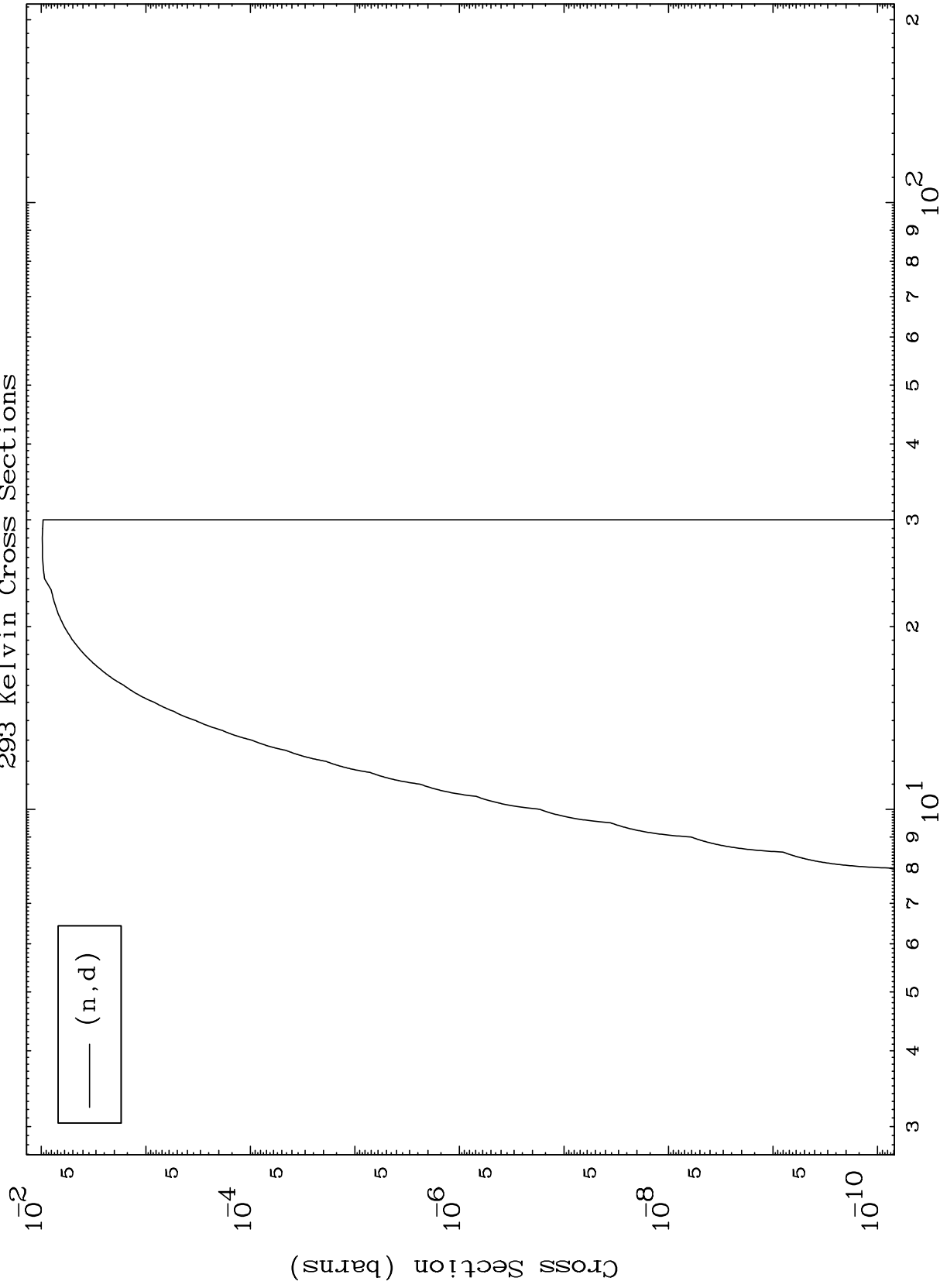
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(n,d) Levels  
293 Kelvin Cross Sections

85-At-218



10

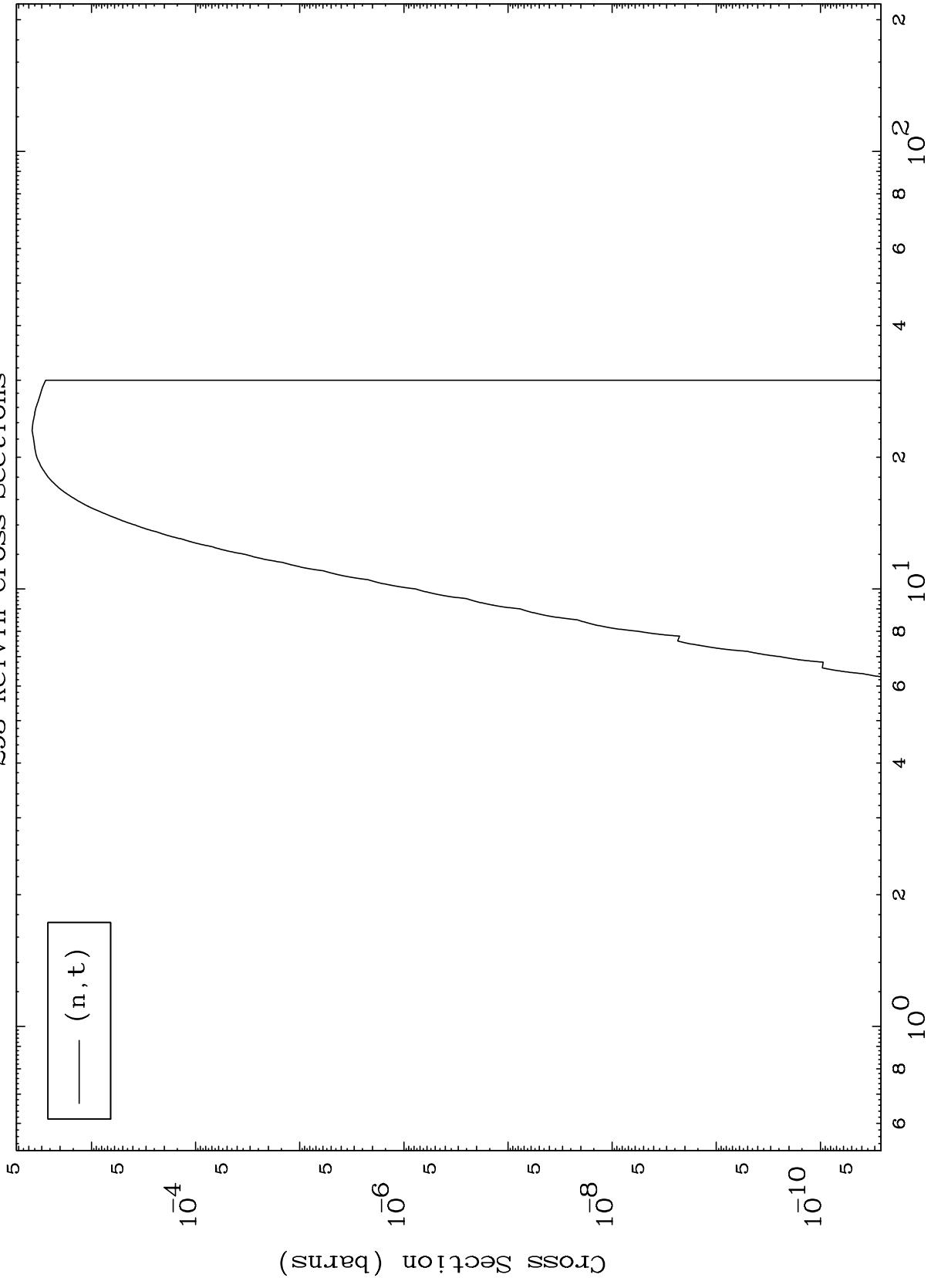
Incident Energy (MeV)

85-At-218

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(n,t) Levels  
293 Kelvin Cross Sections



11

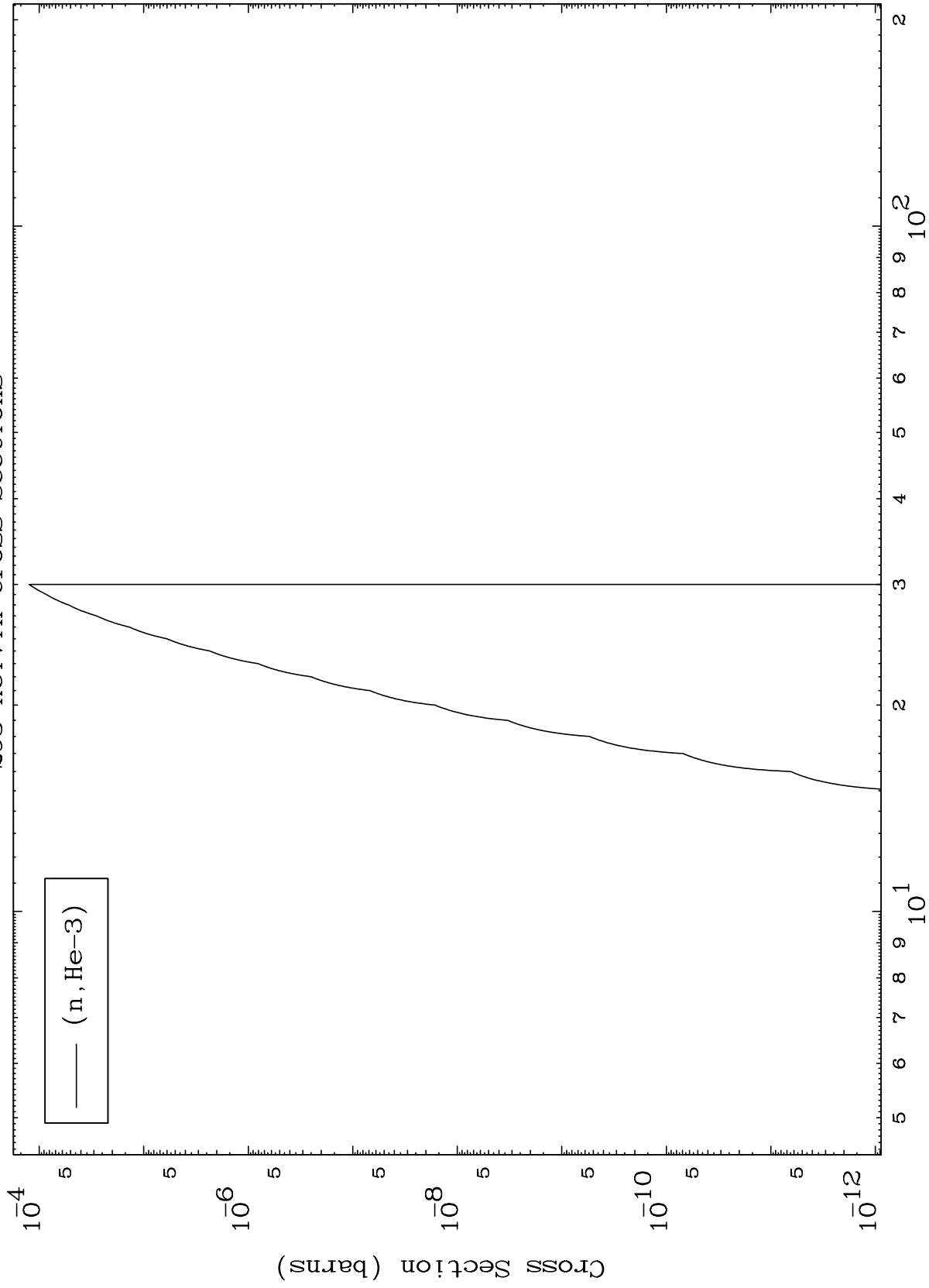
Incident Energy (MeV)

85-At-218

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(n,He3) Levels  
293 Kelvin Cross Sections



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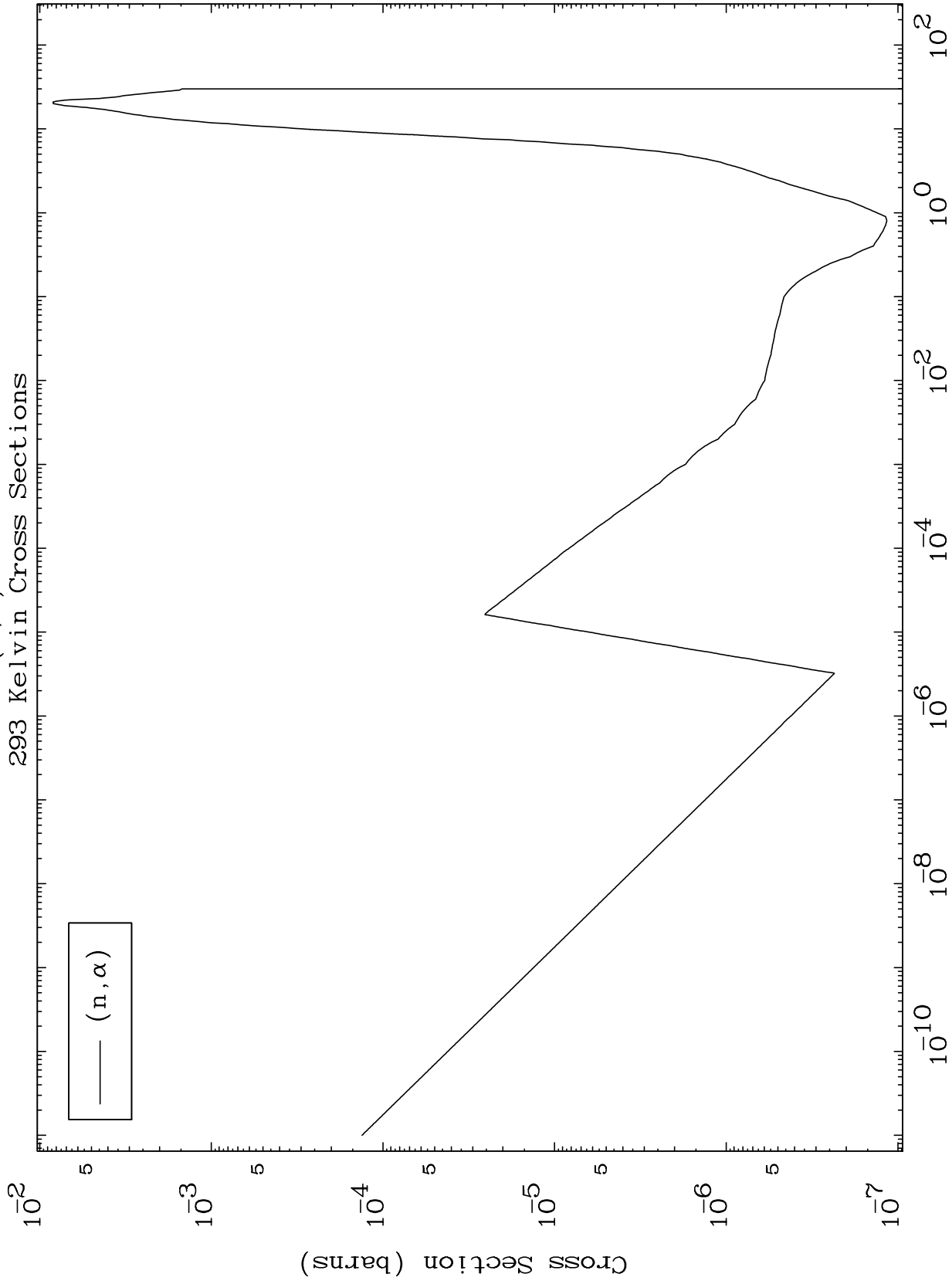
Incident Energy (MeV)

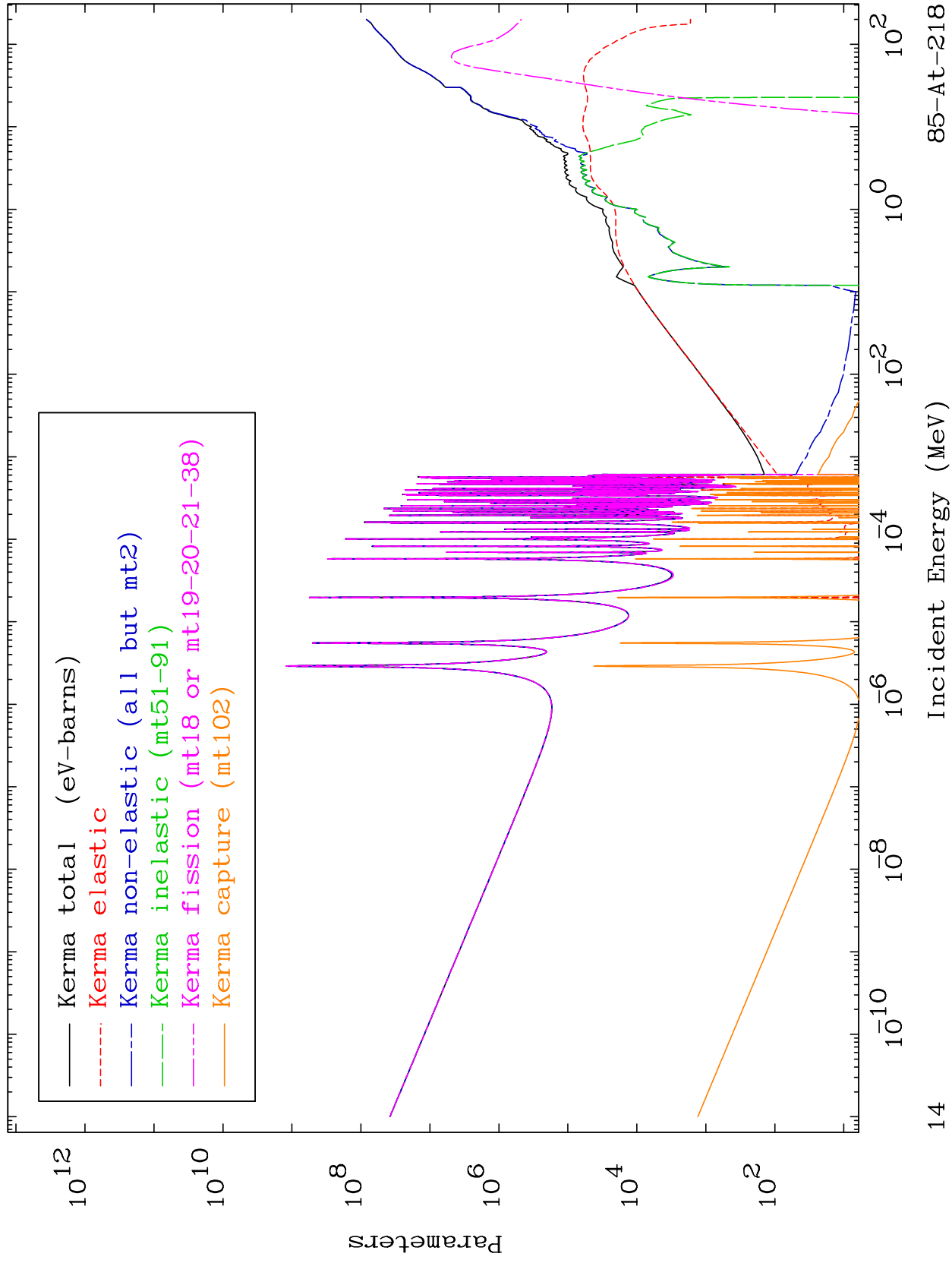
85-At-218

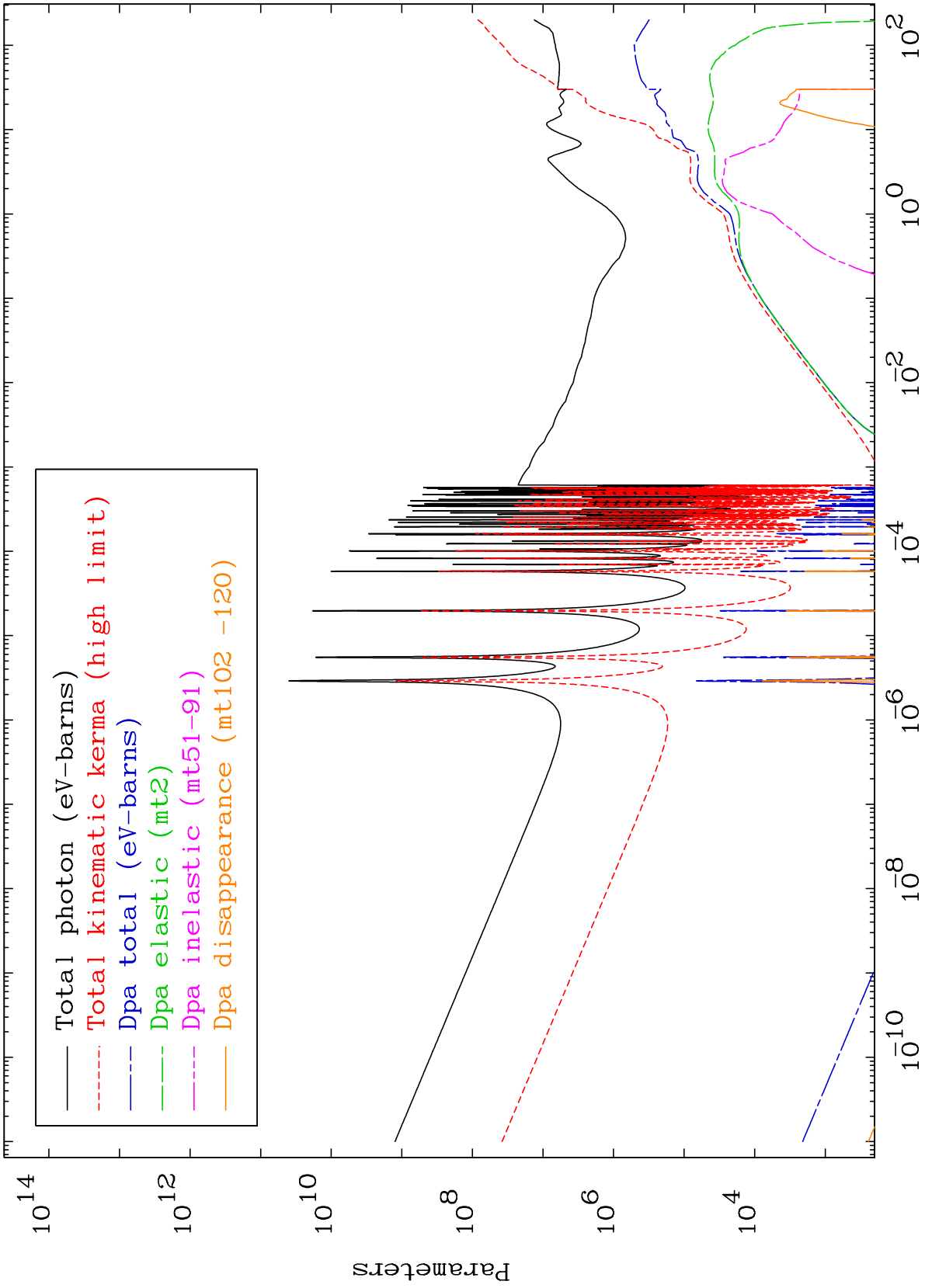
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(n,α) Levels  
293 Kelvin Cross Sections

85-At-218





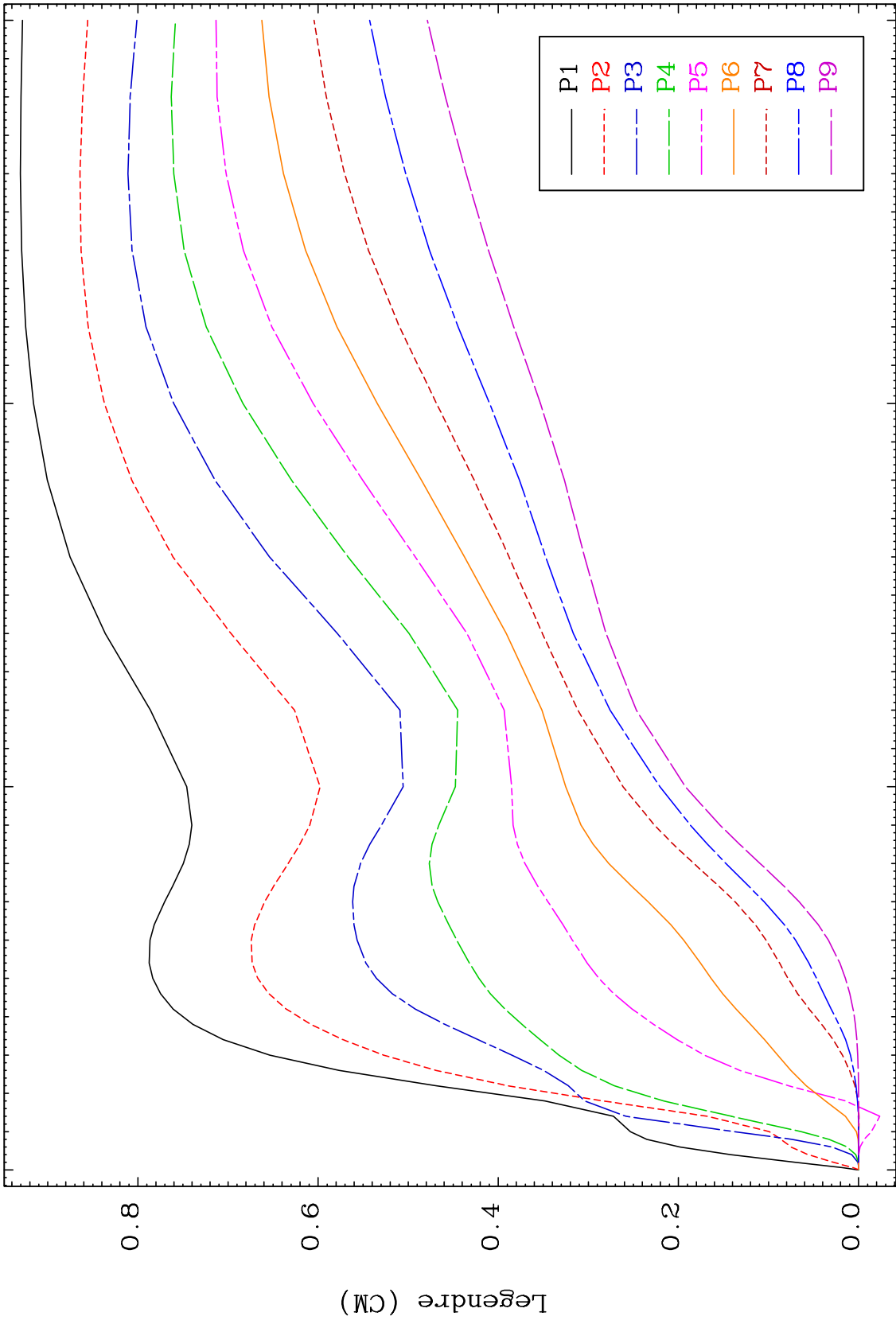




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Elastic Legendre Coefficients

85-At-218



0

16

Incident Energy (MeV)

10

20

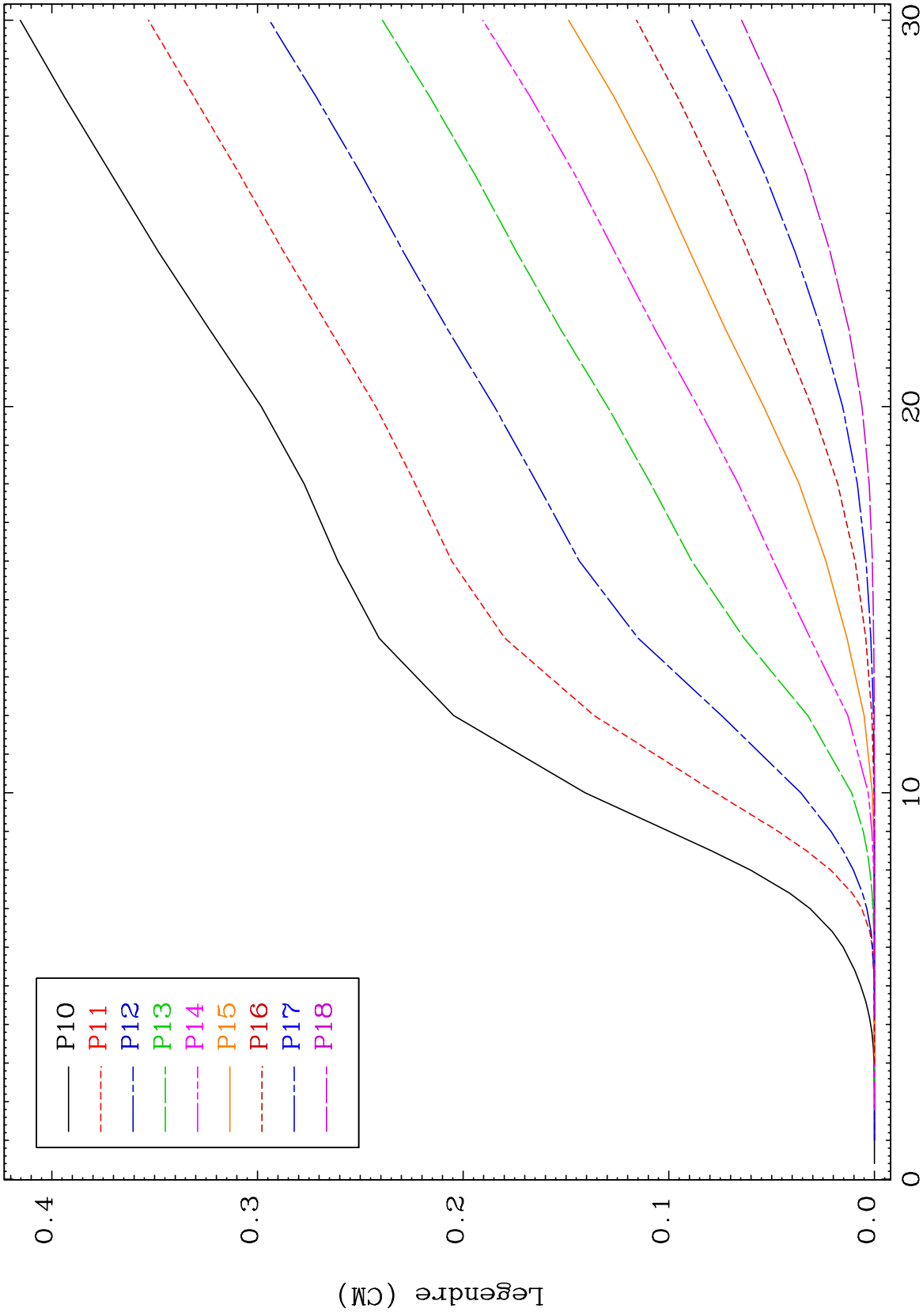
30

85-At-218

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Elastic Legendre Coefficients

85-At-218



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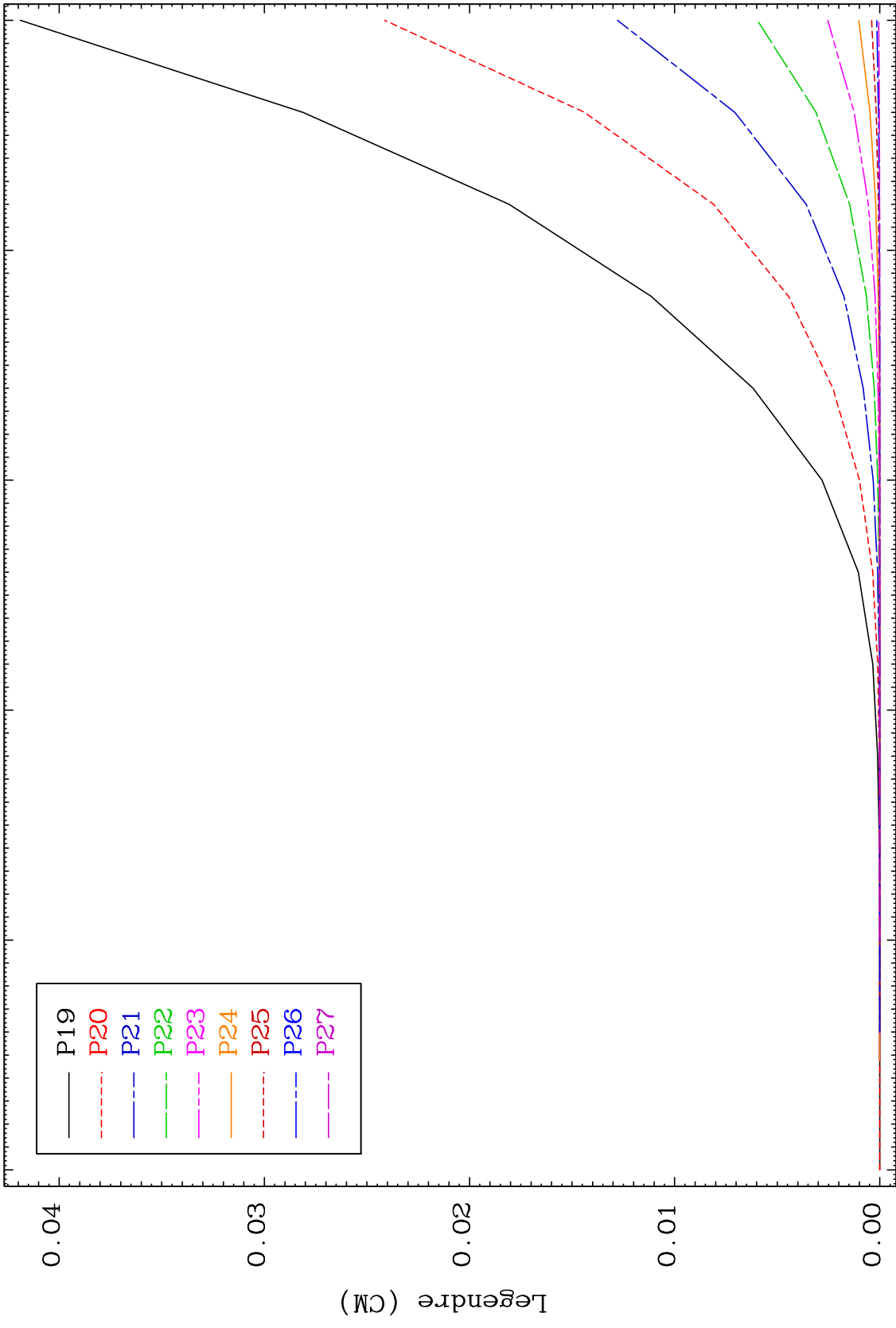
Incident Energy (MeV)

85-At-218

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Elastic Legendre Coefficients

85-At-218



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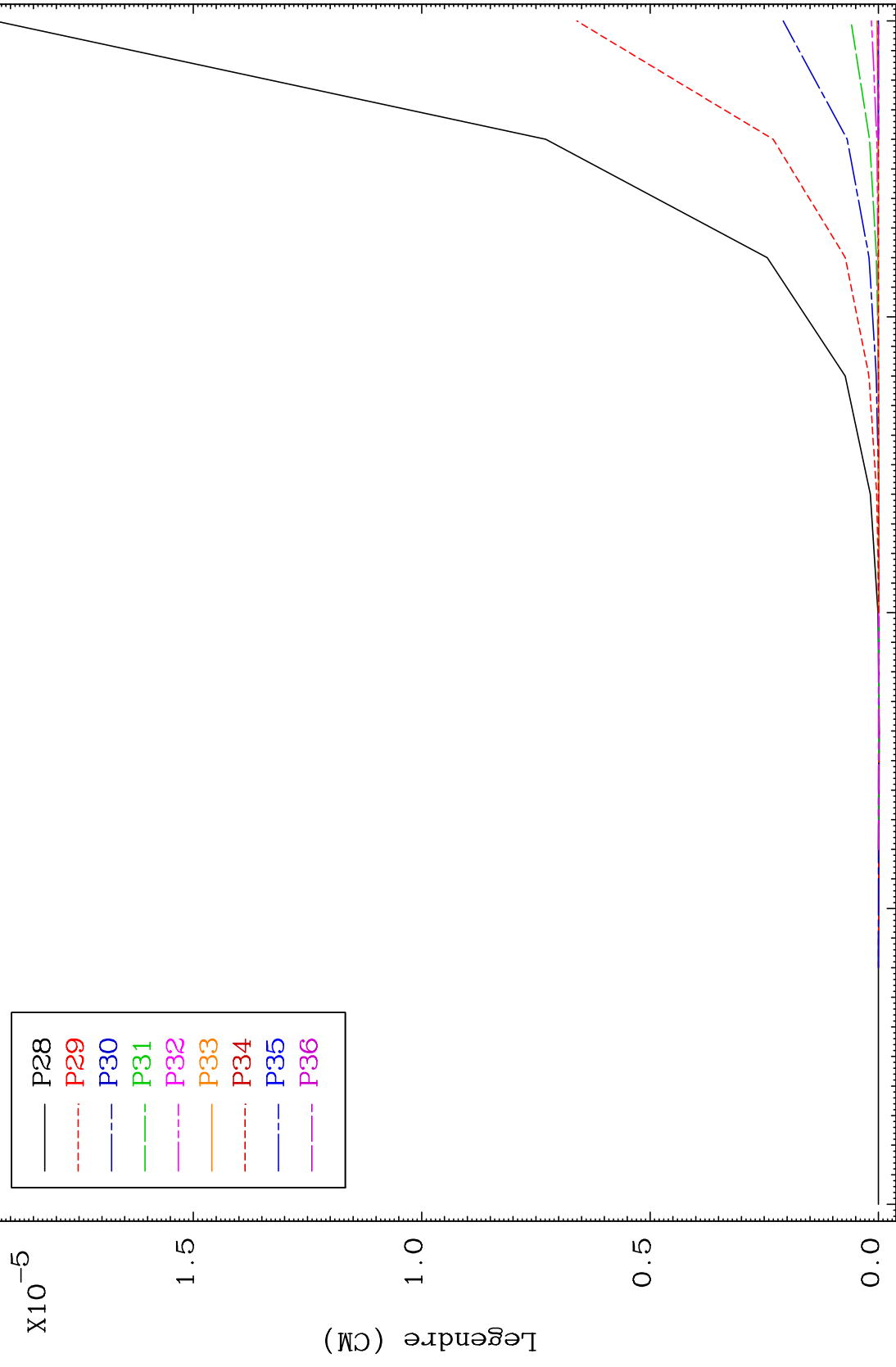
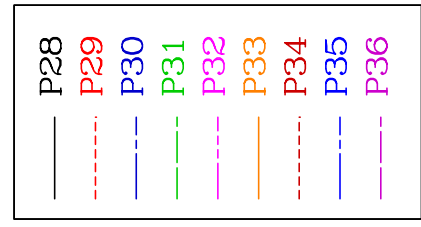
Incident Energy (MeV)

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Elastic Legendre Coefficients

85-At-218



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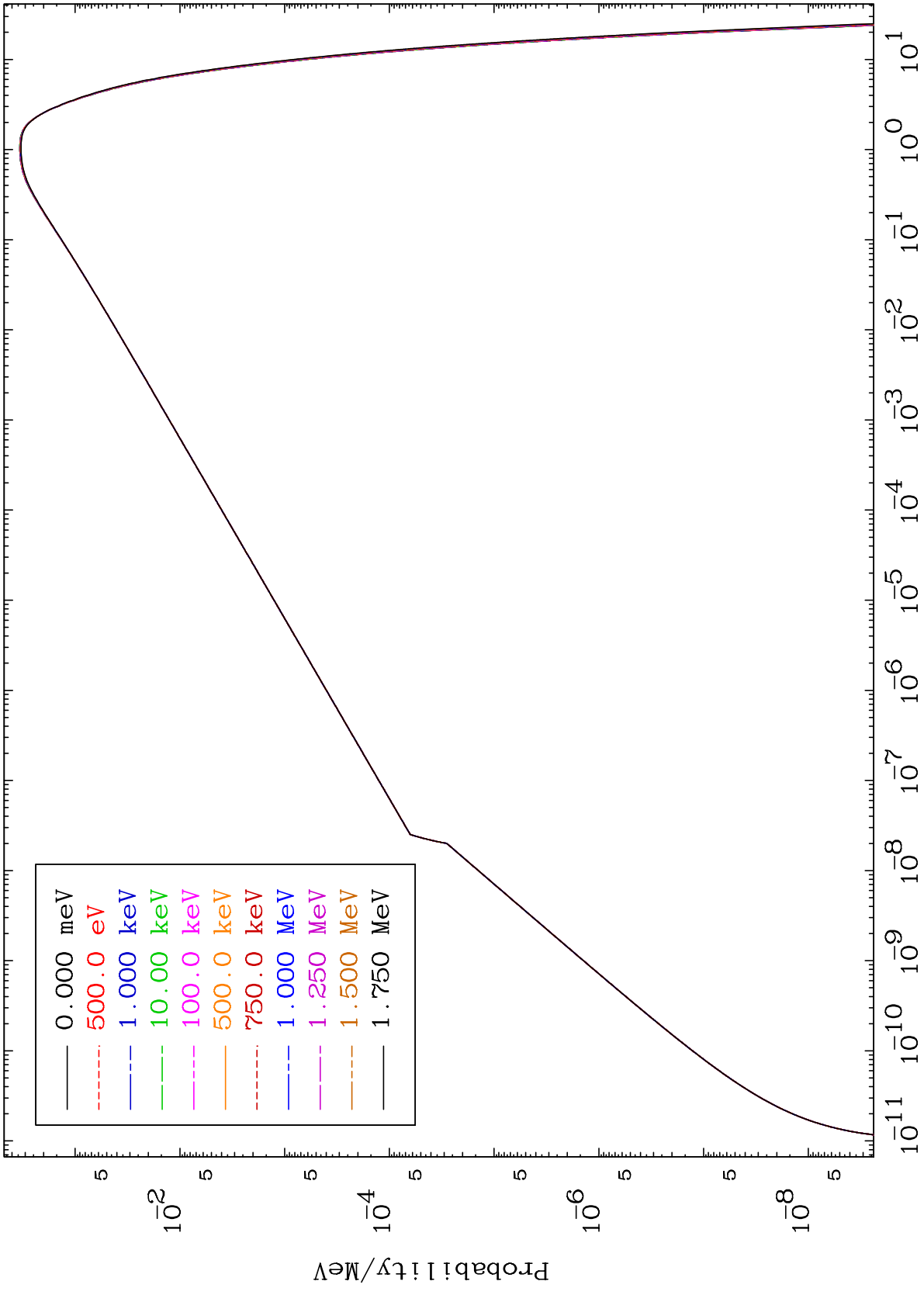
Incident Energy (MeV)

85-At-218

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### Fission Energy Distribution

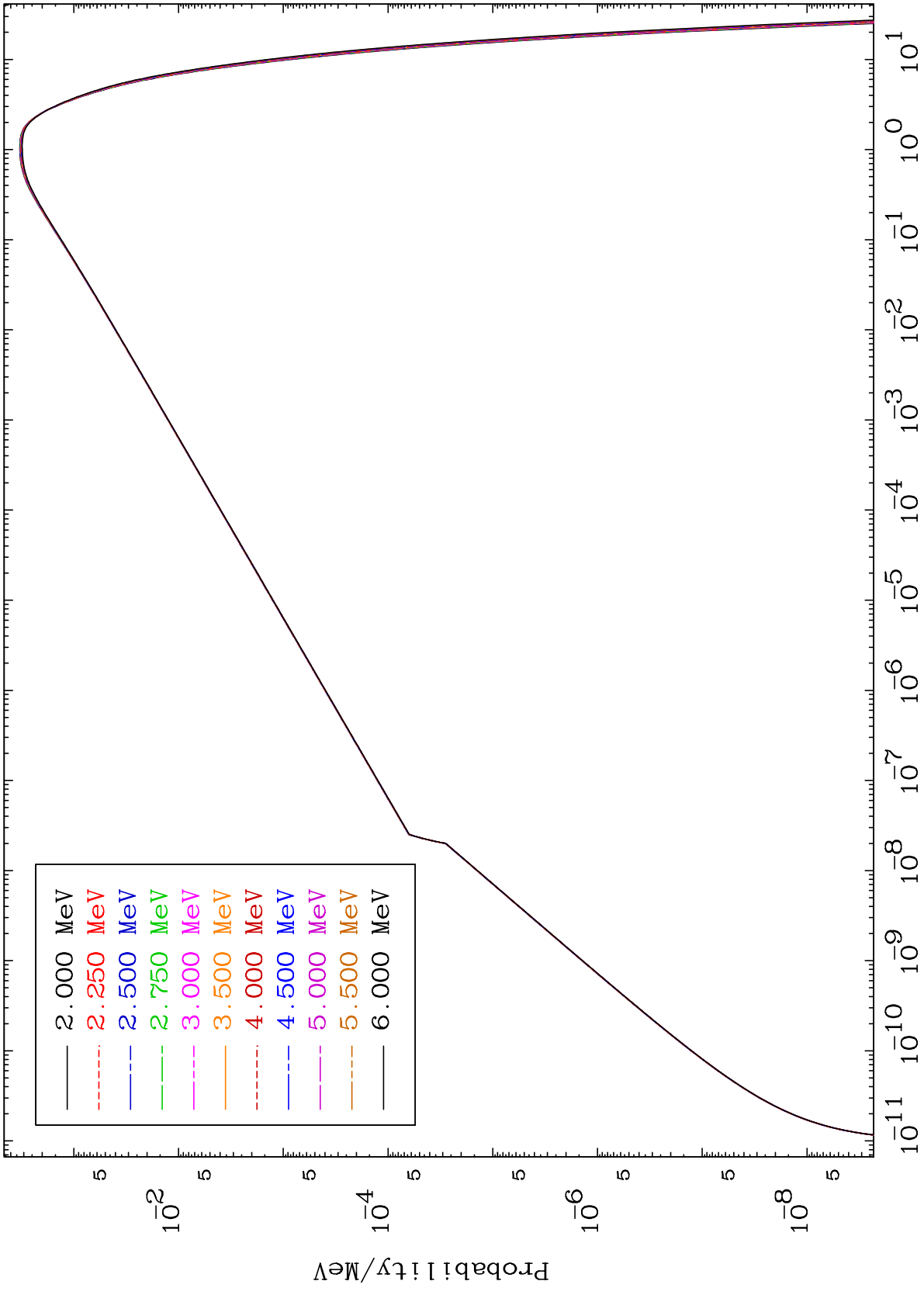
85-At-218



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### Fission Energy Distribution

85-At-218

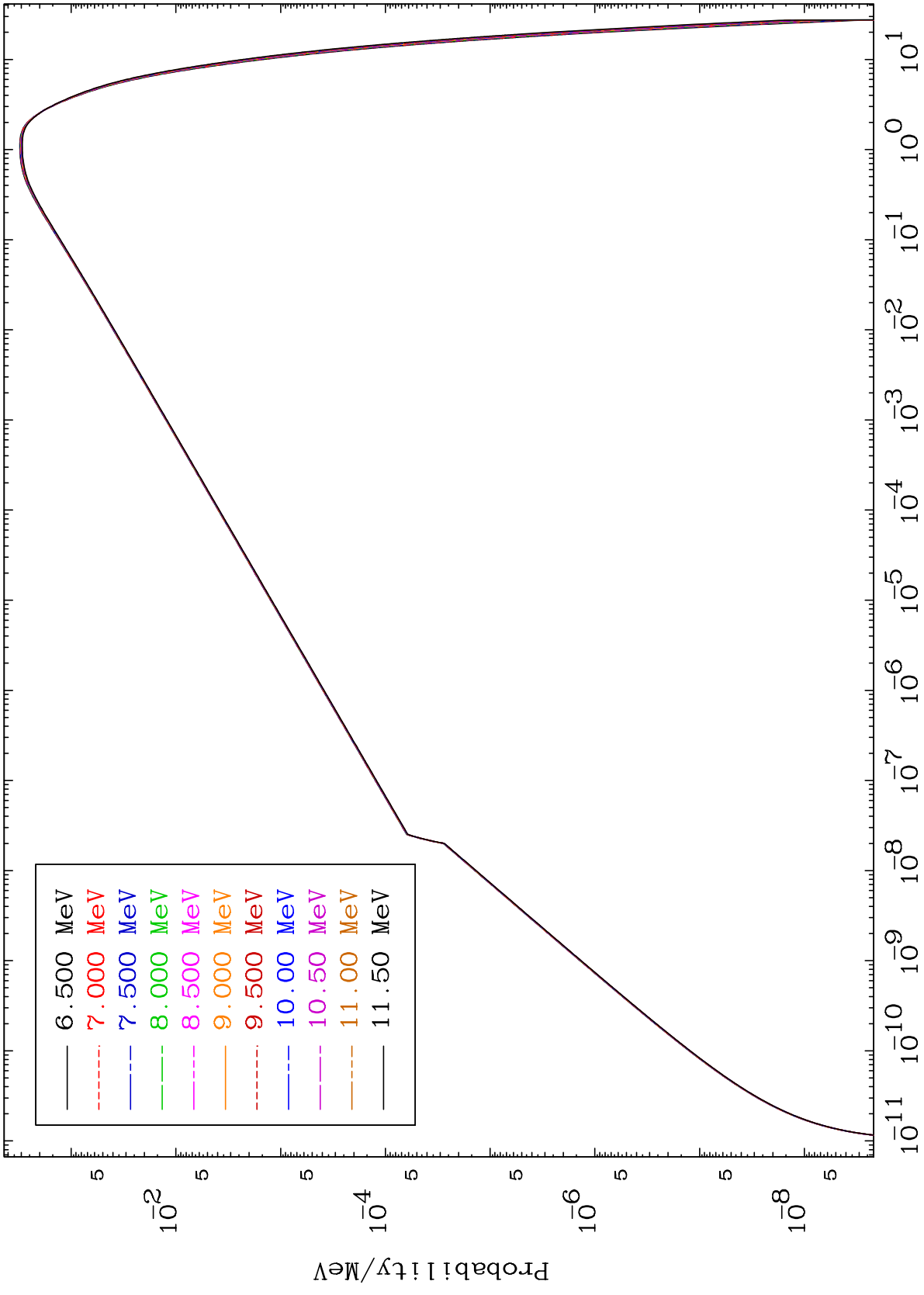


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# Fission Energy Distribution

85-At-218

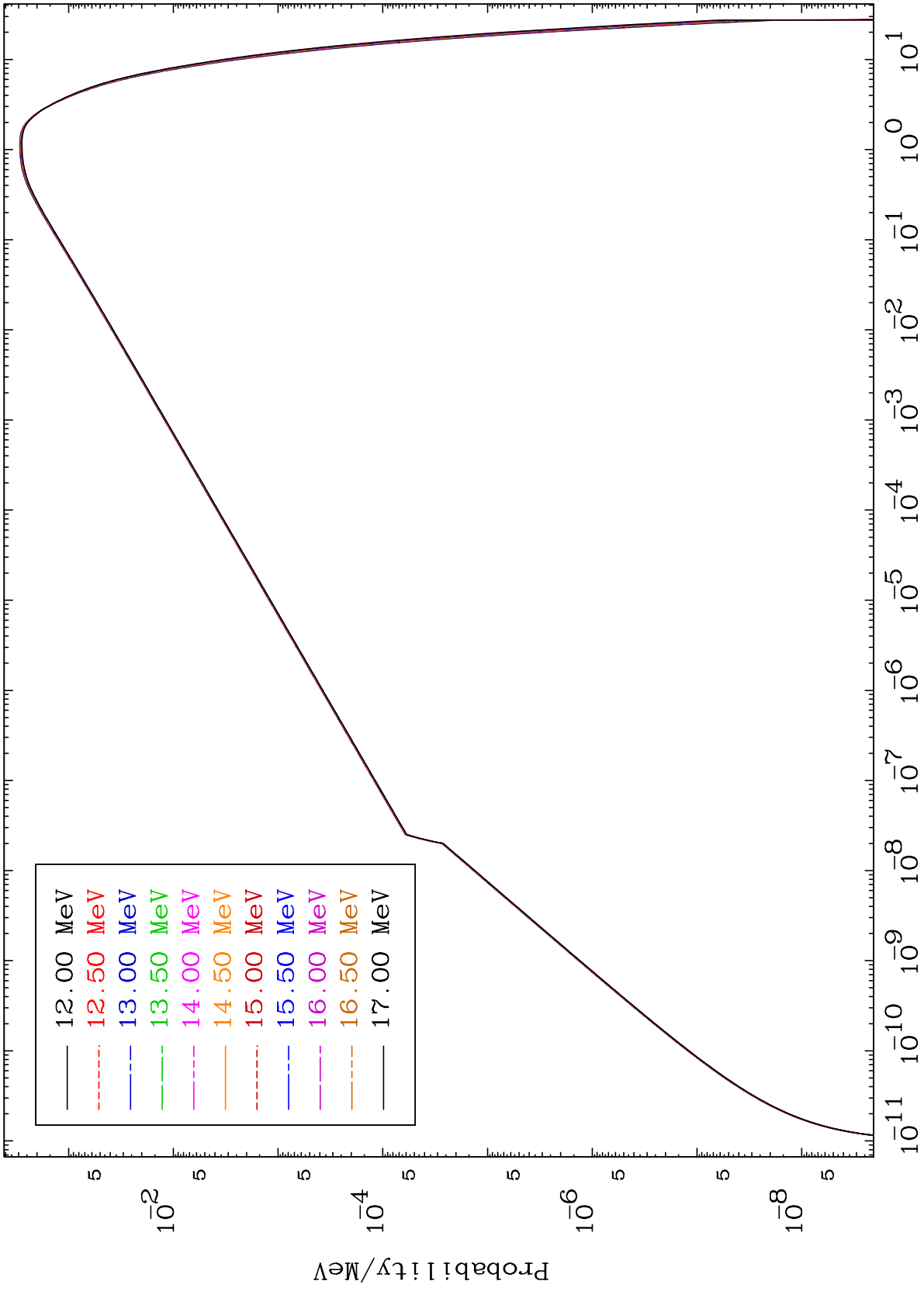


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### Fission Energy Distribution

85-At-218



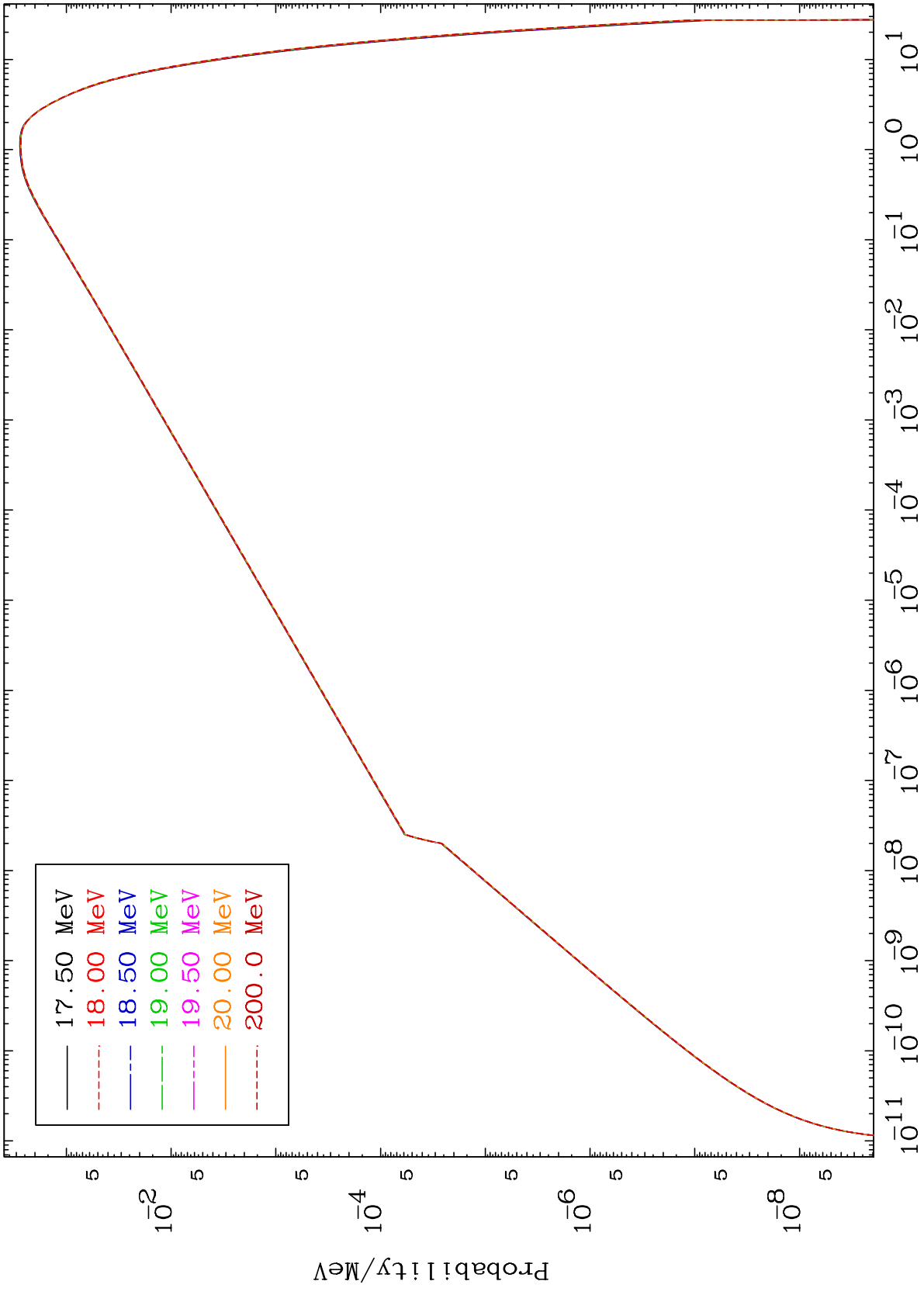
85-At-218



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### Fission Energy Distribution

85-At-218



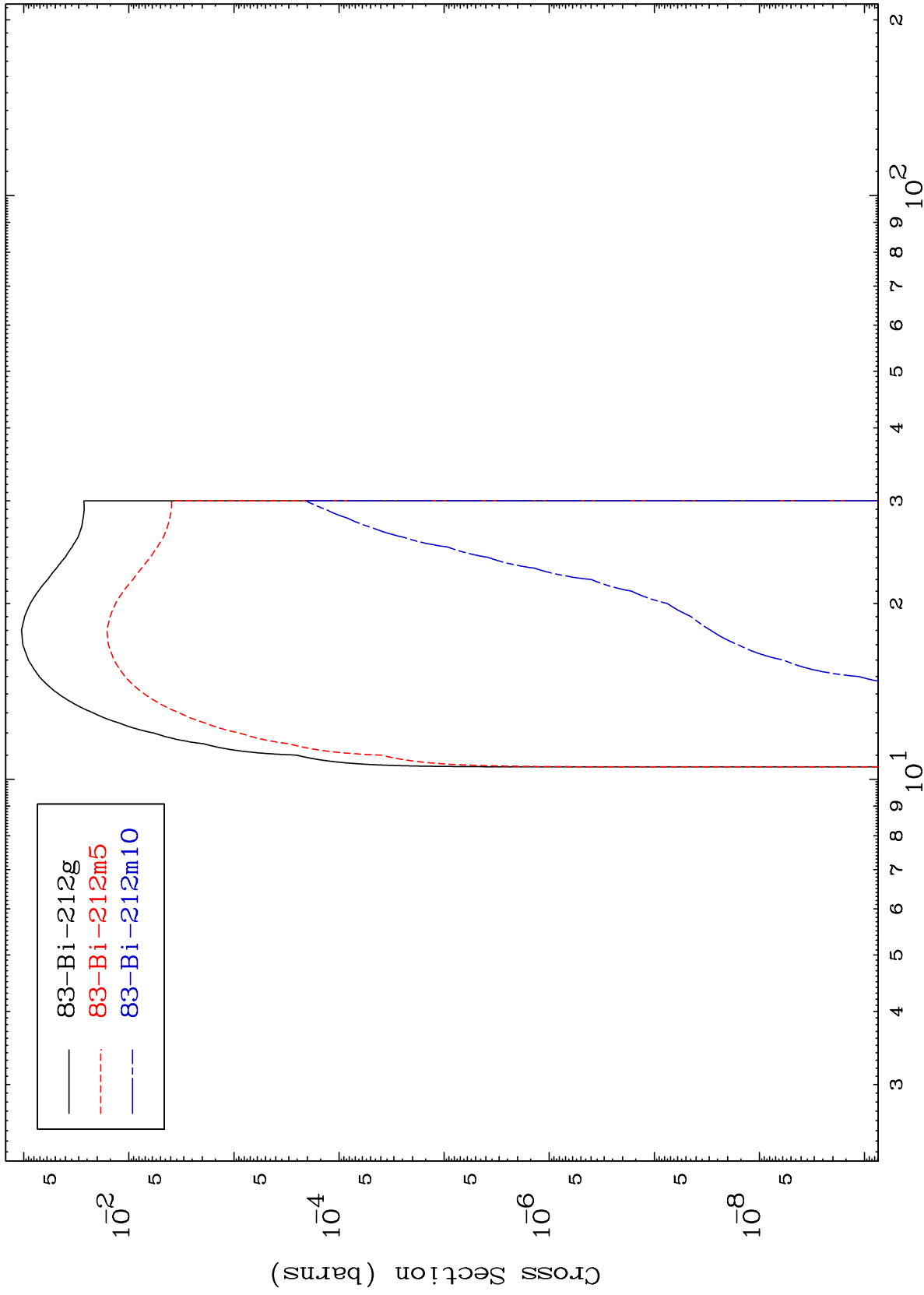
—	17.50	MeV
- - -	18.00	MeV
- · - ·	18.50	MeV
- - -	19.00	MeV
- · - ·	19.50	MeV
- - -	20.00	MeV
- - -	200.0	MeV

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(n,3n)  $\alpha$

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Radionuclide Production Cross Section



25

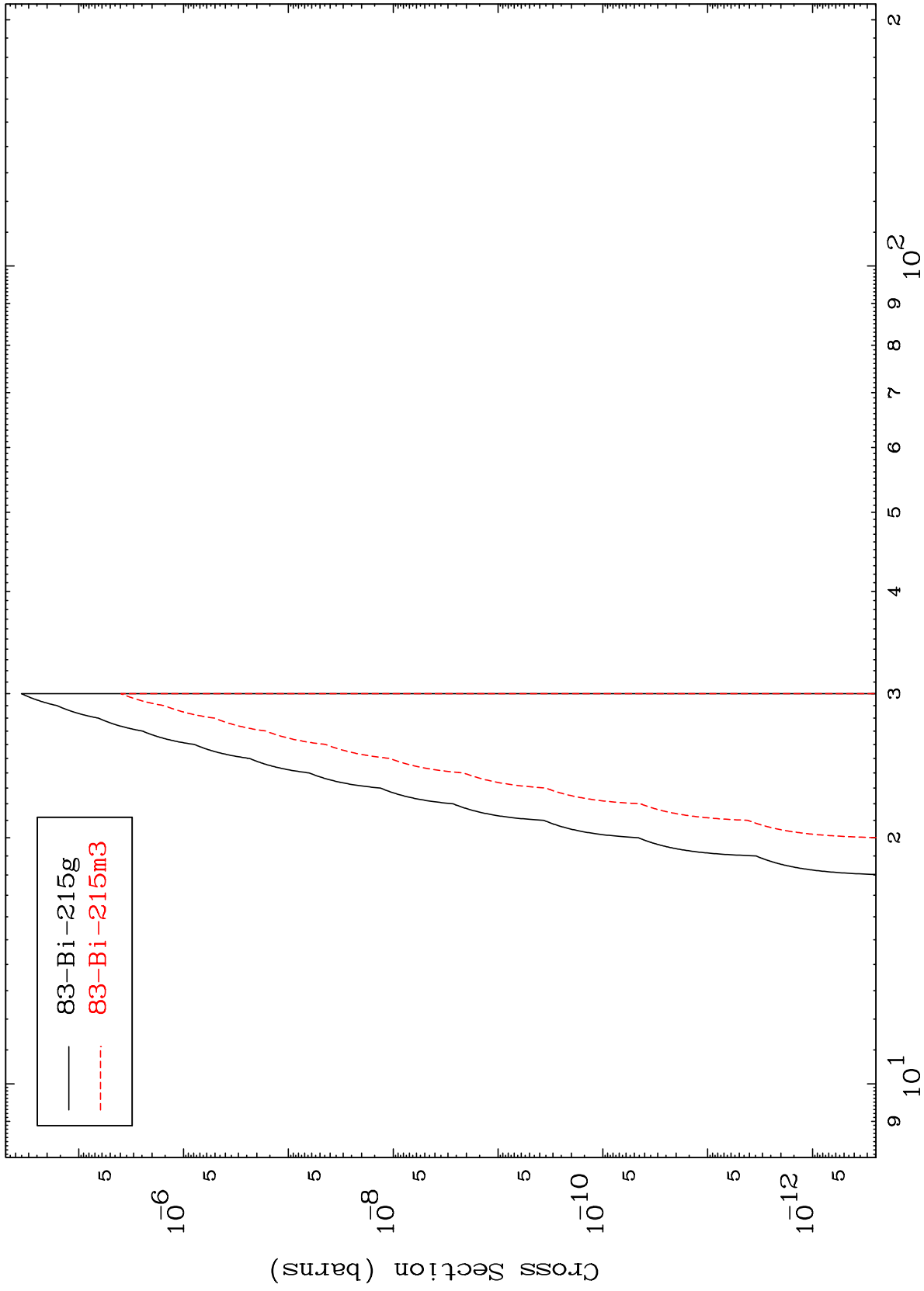
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(n, n') He-3

85-At-218

Radionuclide Production Cross Section



26

Incident Energy (MeV)

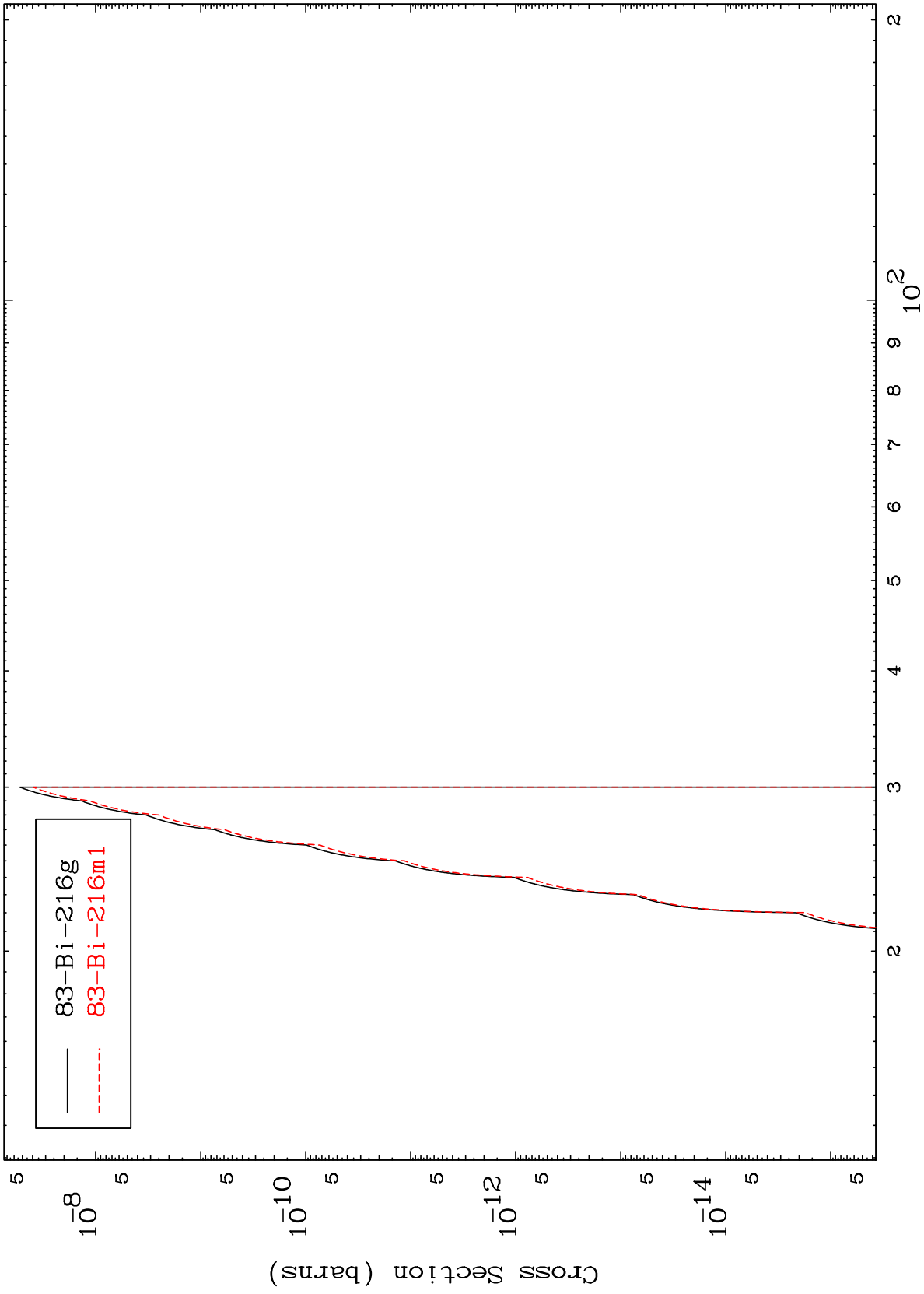
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(n,2n) p

85-At-218

Radionuclide Production Cross Section



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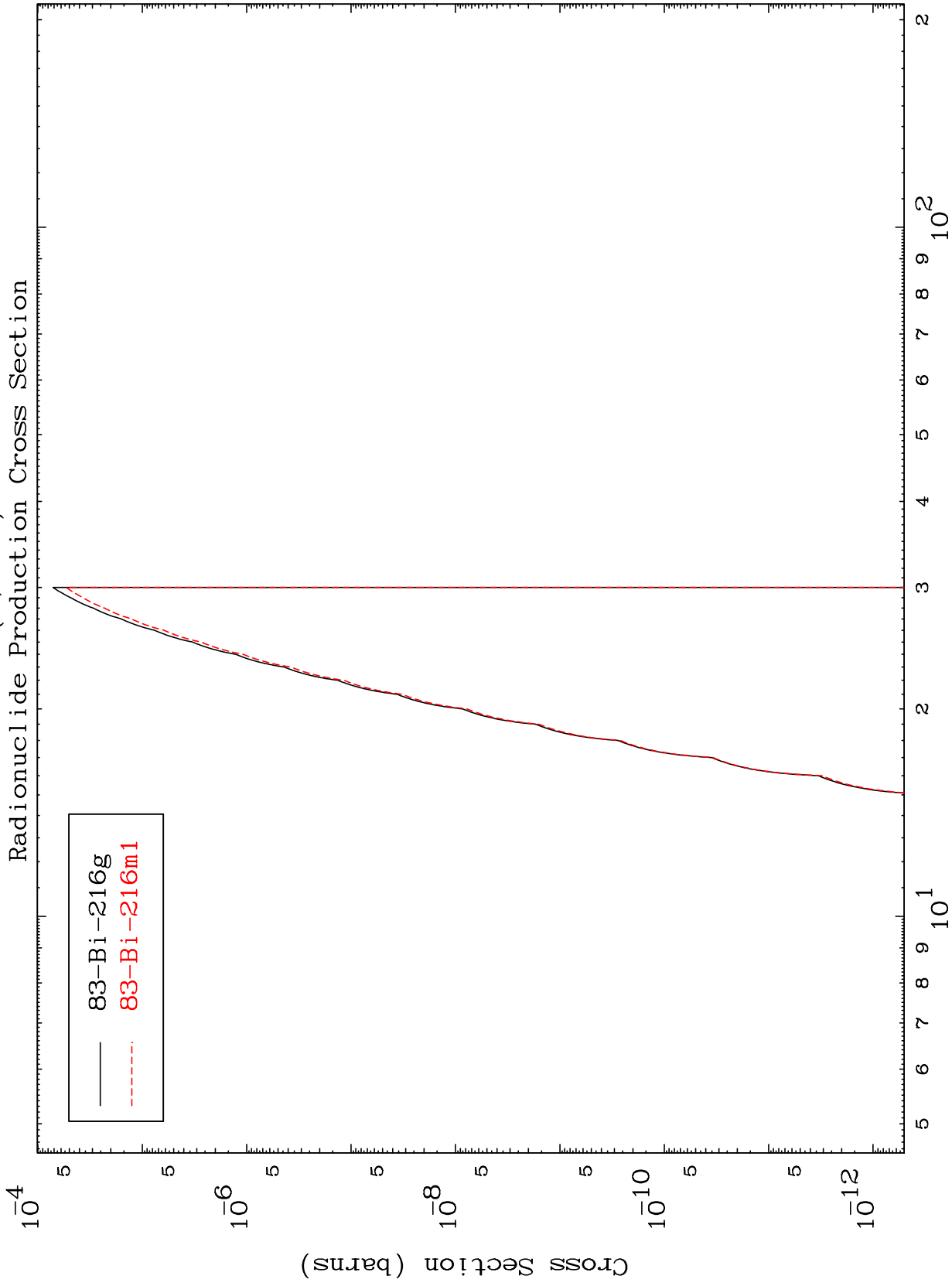
Incident Energy (MeV)

85-At-218

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(n, He-3)

85-At-218



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Incident Energy (MeV)

85-At-218

