

Program EVALPLOT  
(Version 2018-1)

by

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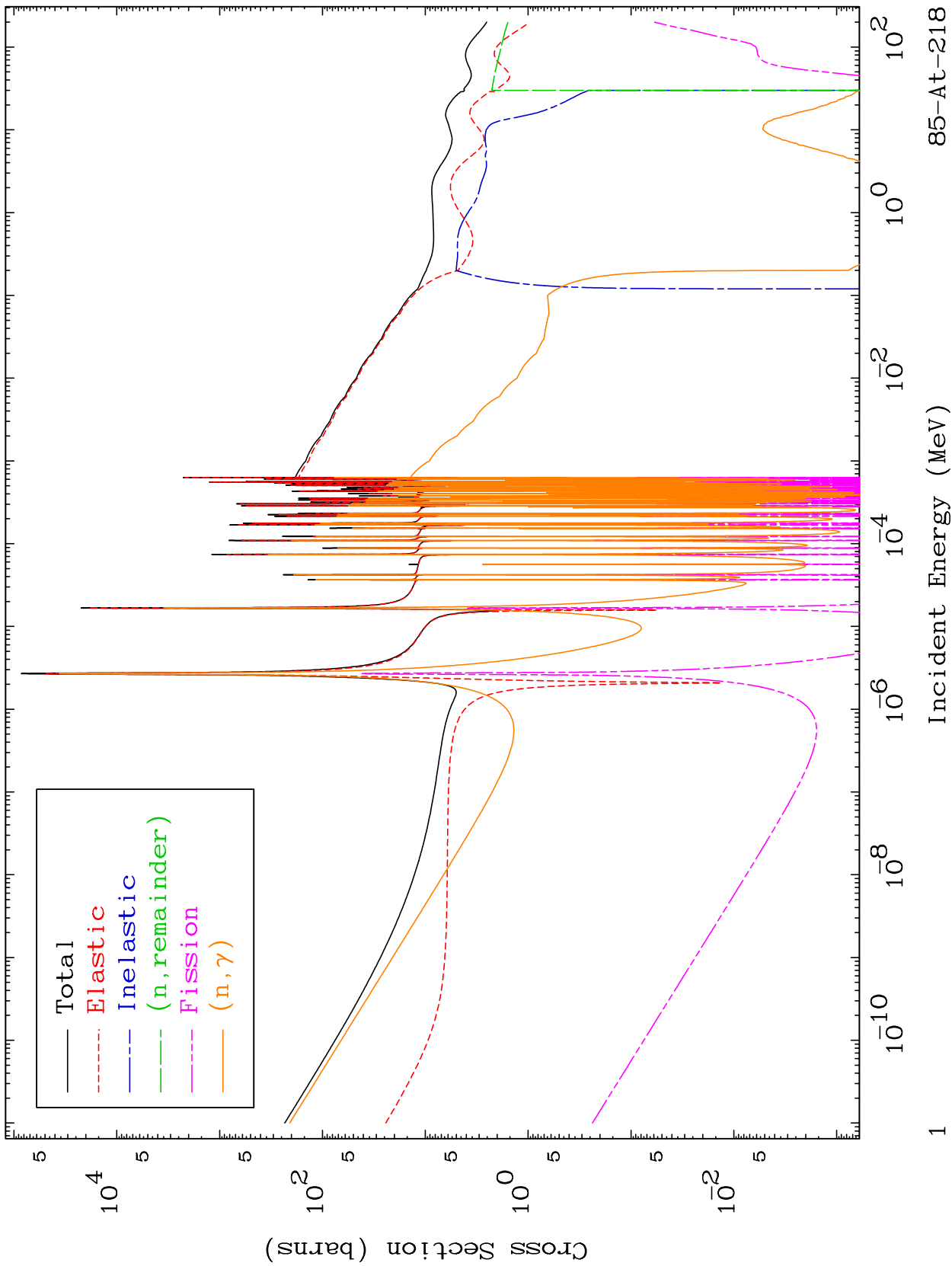
Press Mouse Button to Start

MAT 8570

Major

293 Kelvin Cross Sections

85-At-218



1

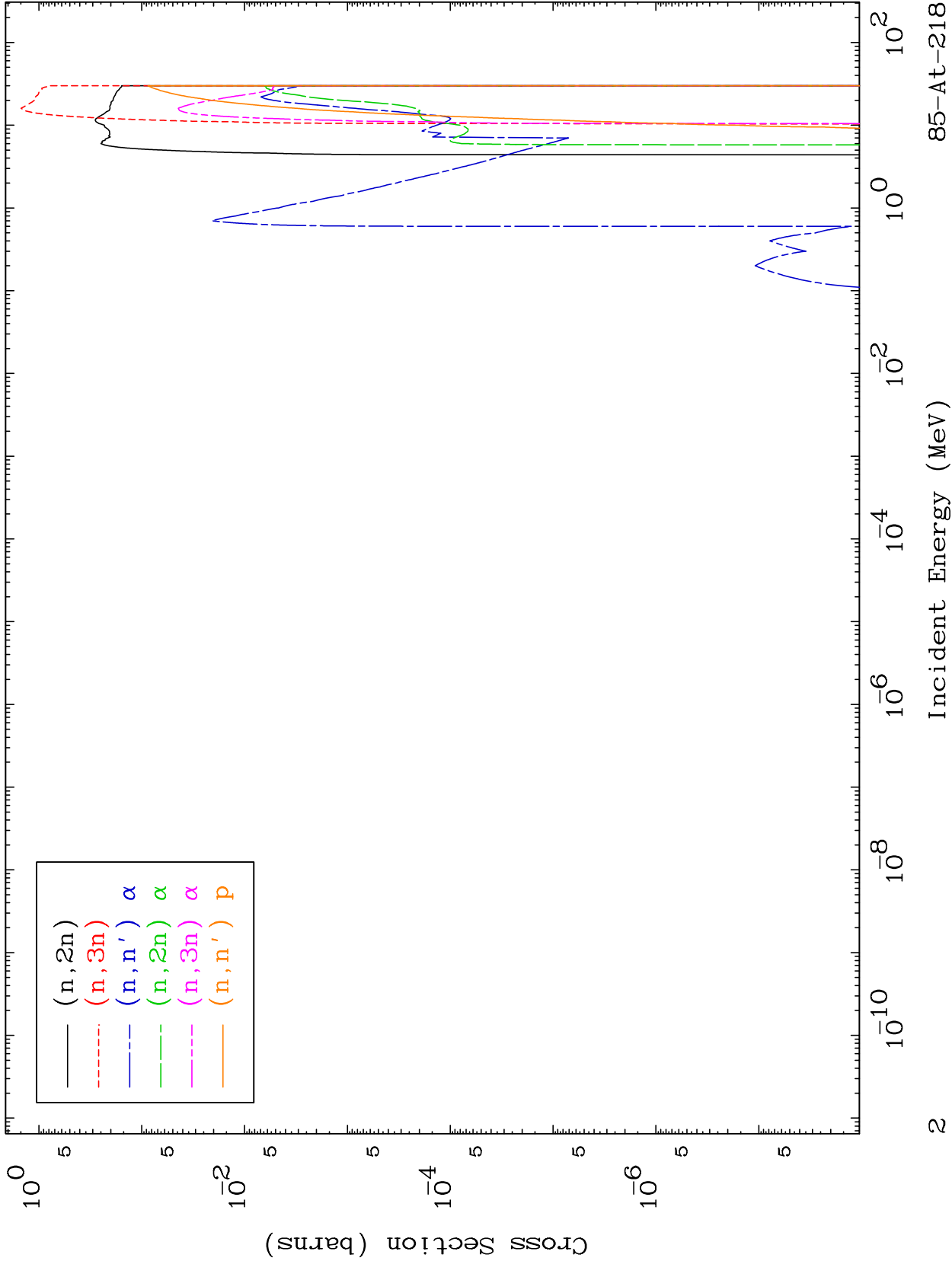
Incident Energy (MeV)

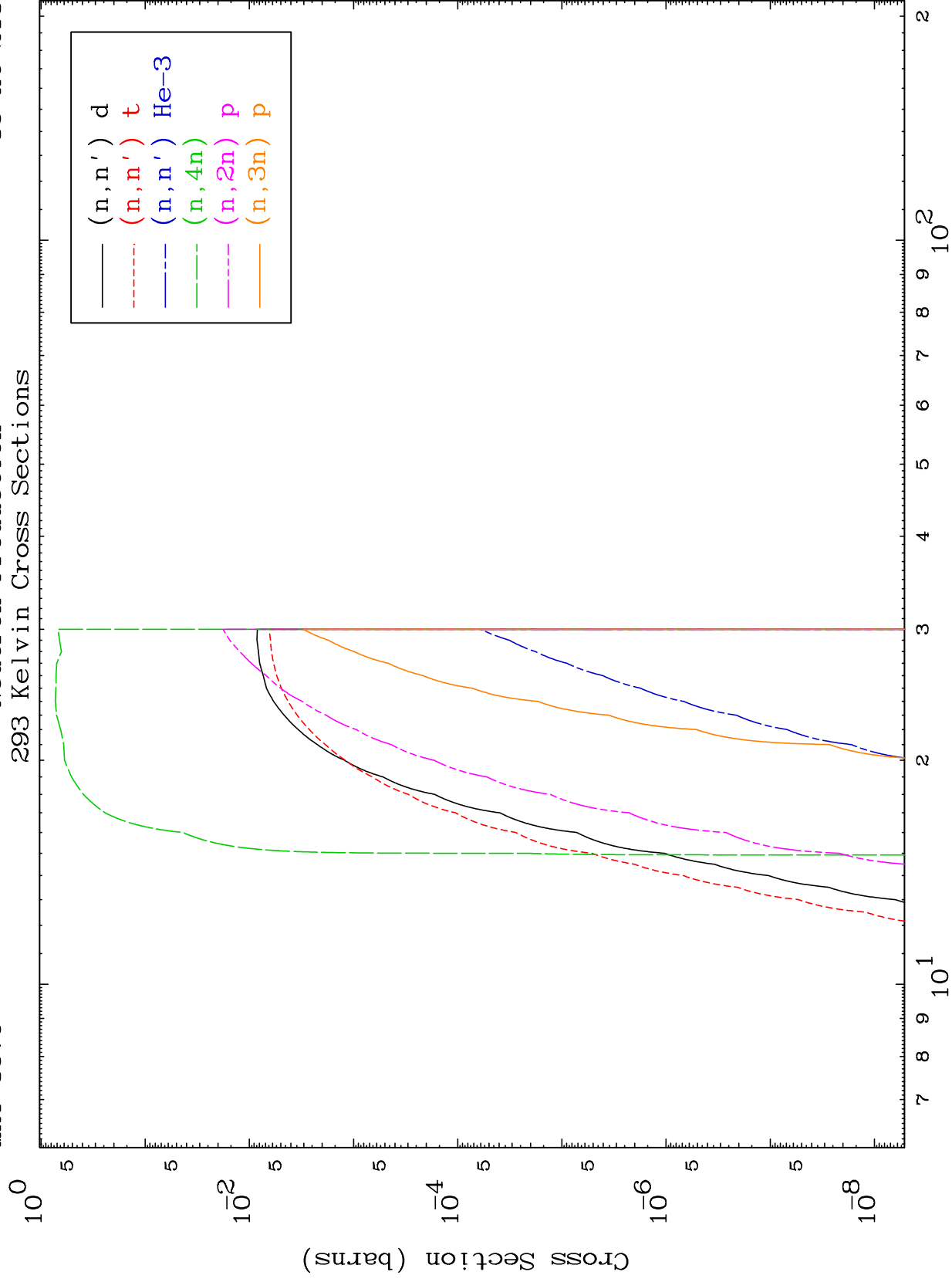
85-At-218

MAT 8570

Neutron Production  
293 Kelvin Cross Sections

85-At-218

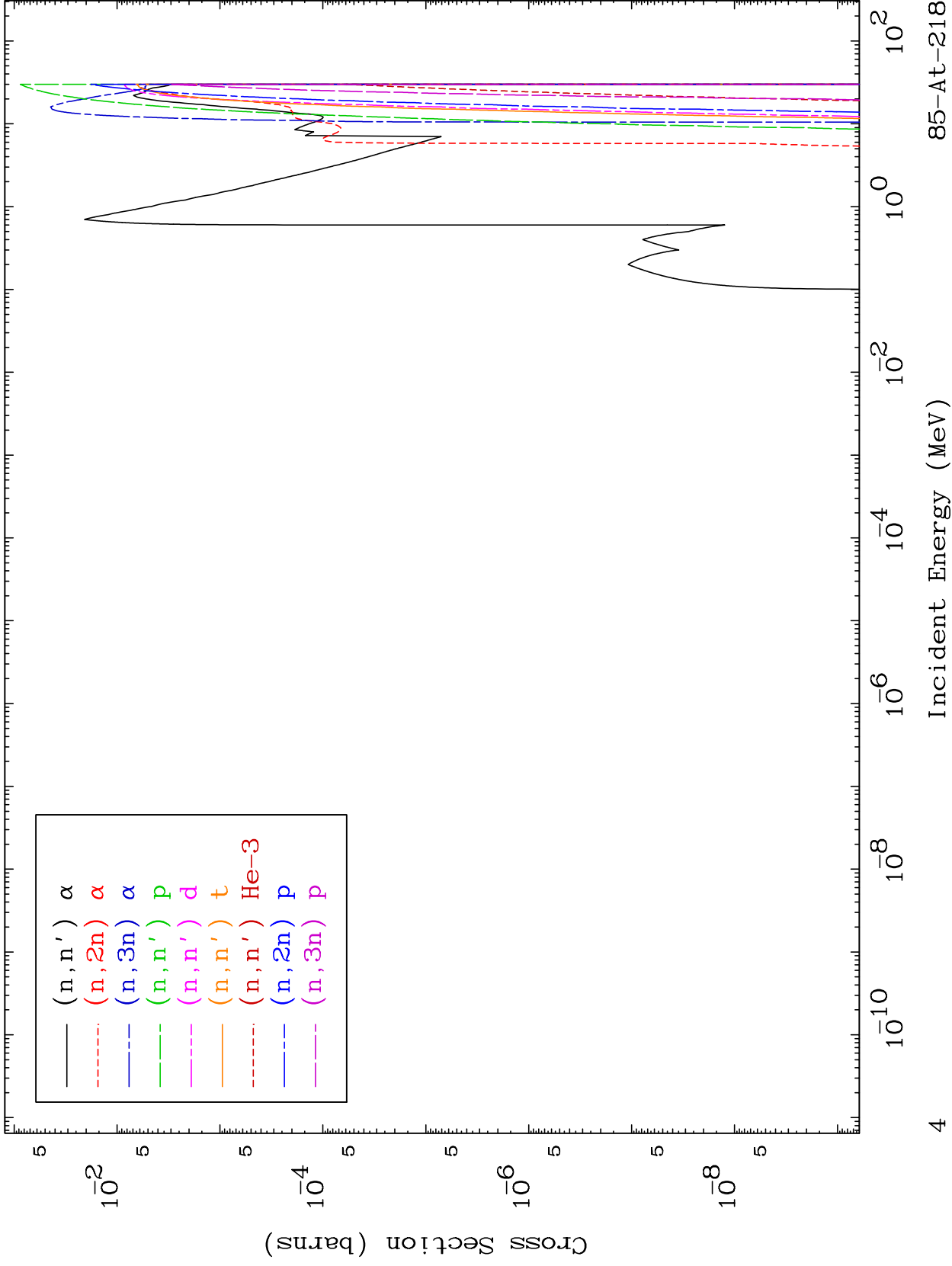




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Charged Particle  
293 Kelvin Cross Sections

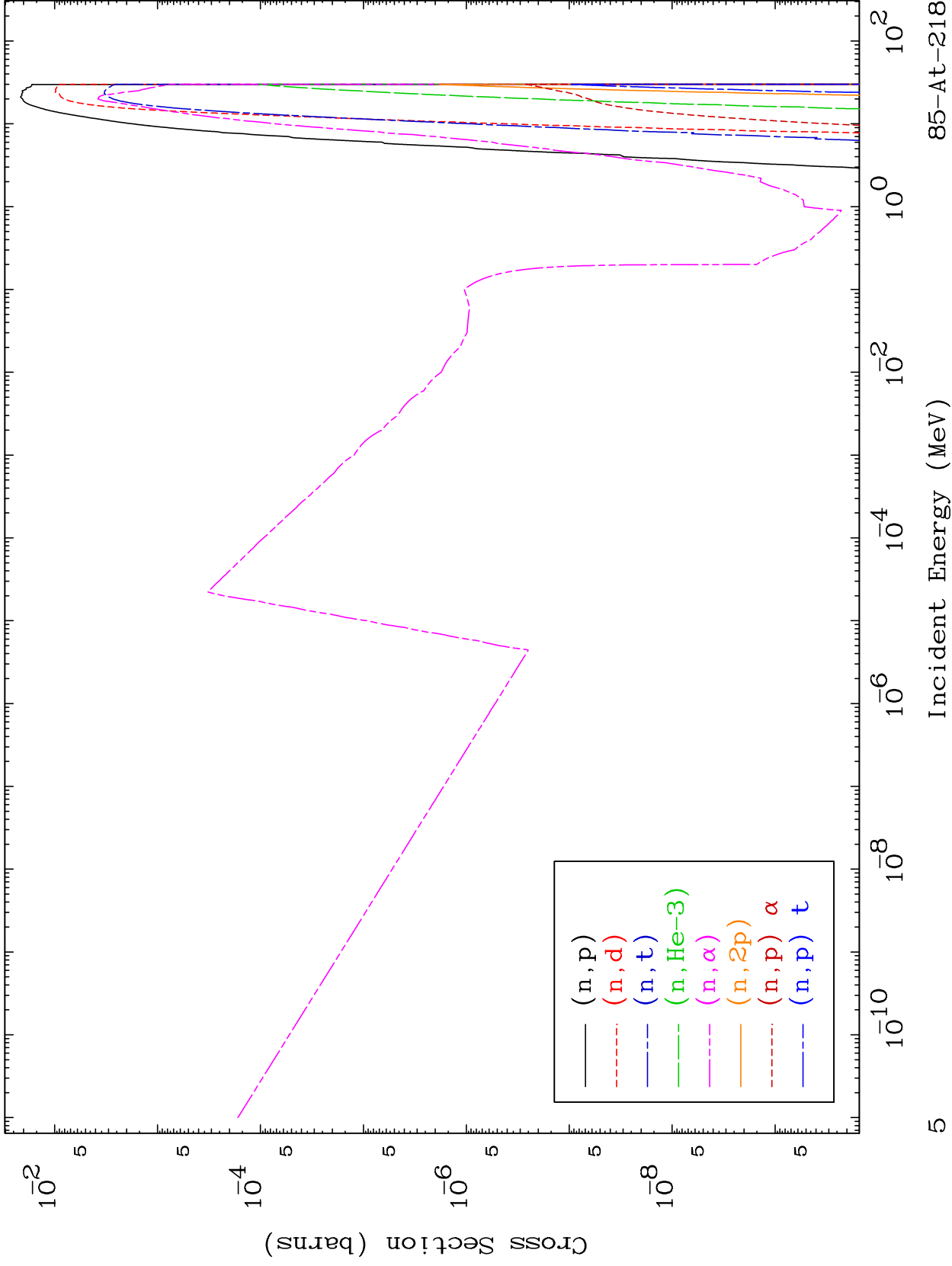
85-At-218

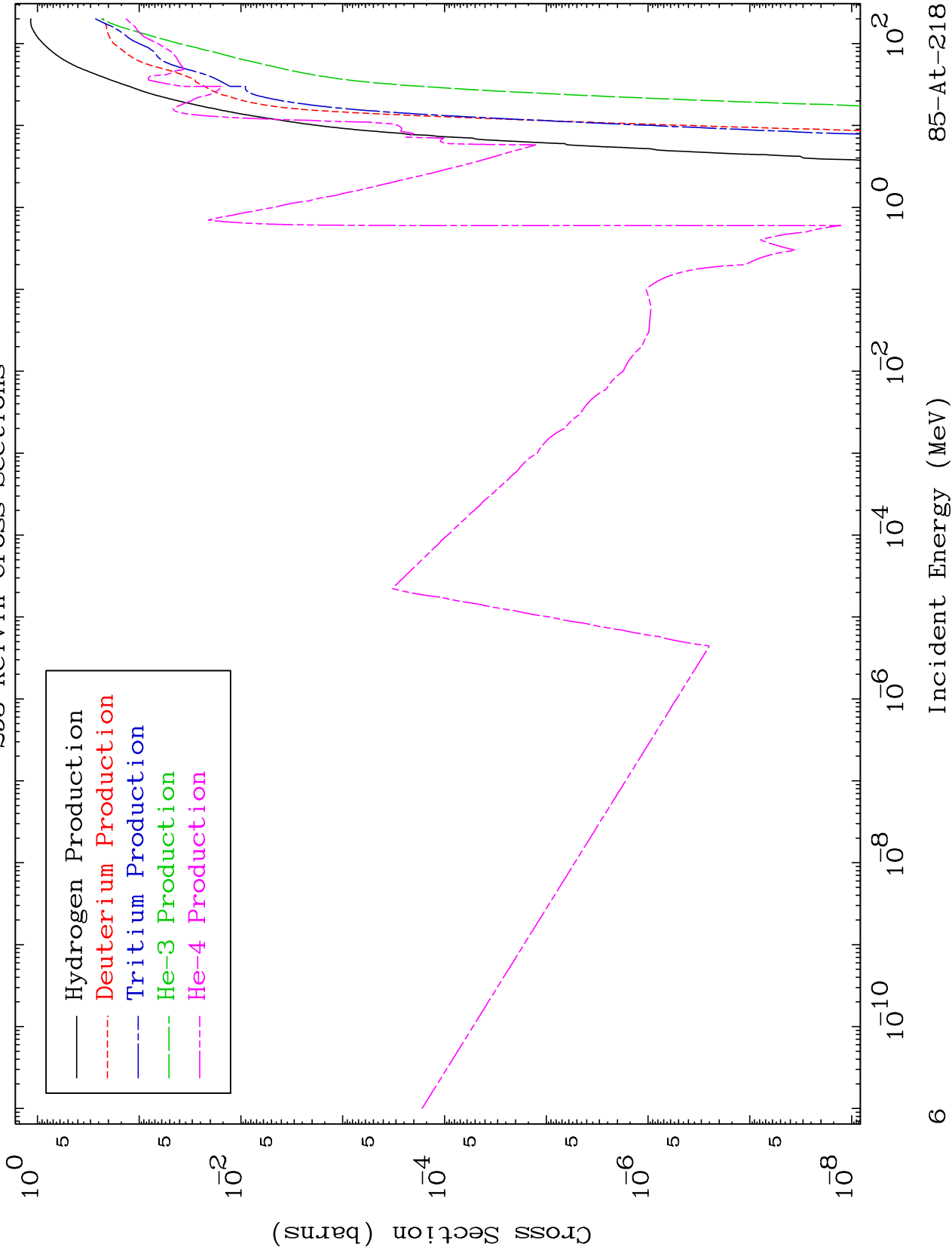


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Charged Particle  
293 Kelvin Cross Sections

85-At-218

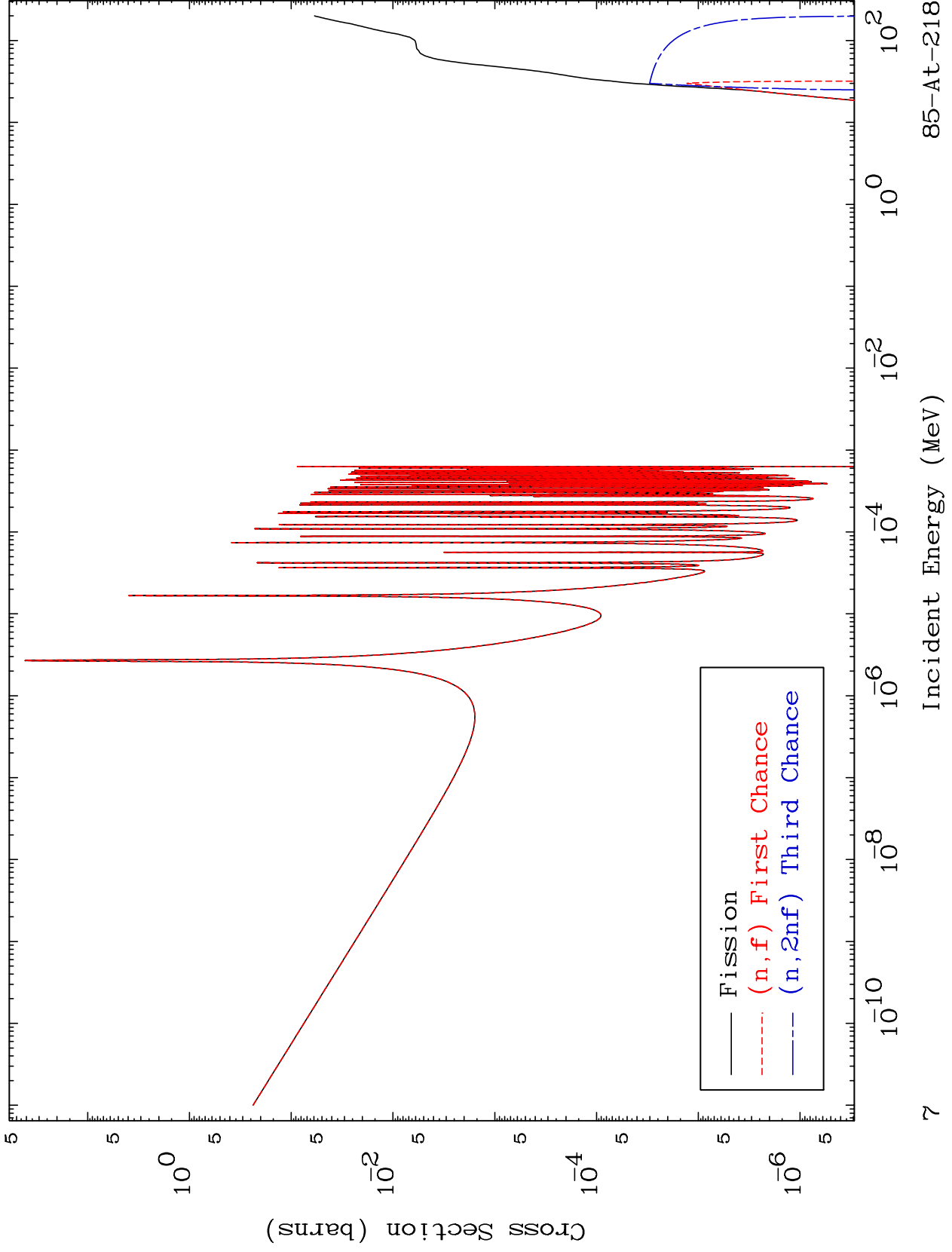




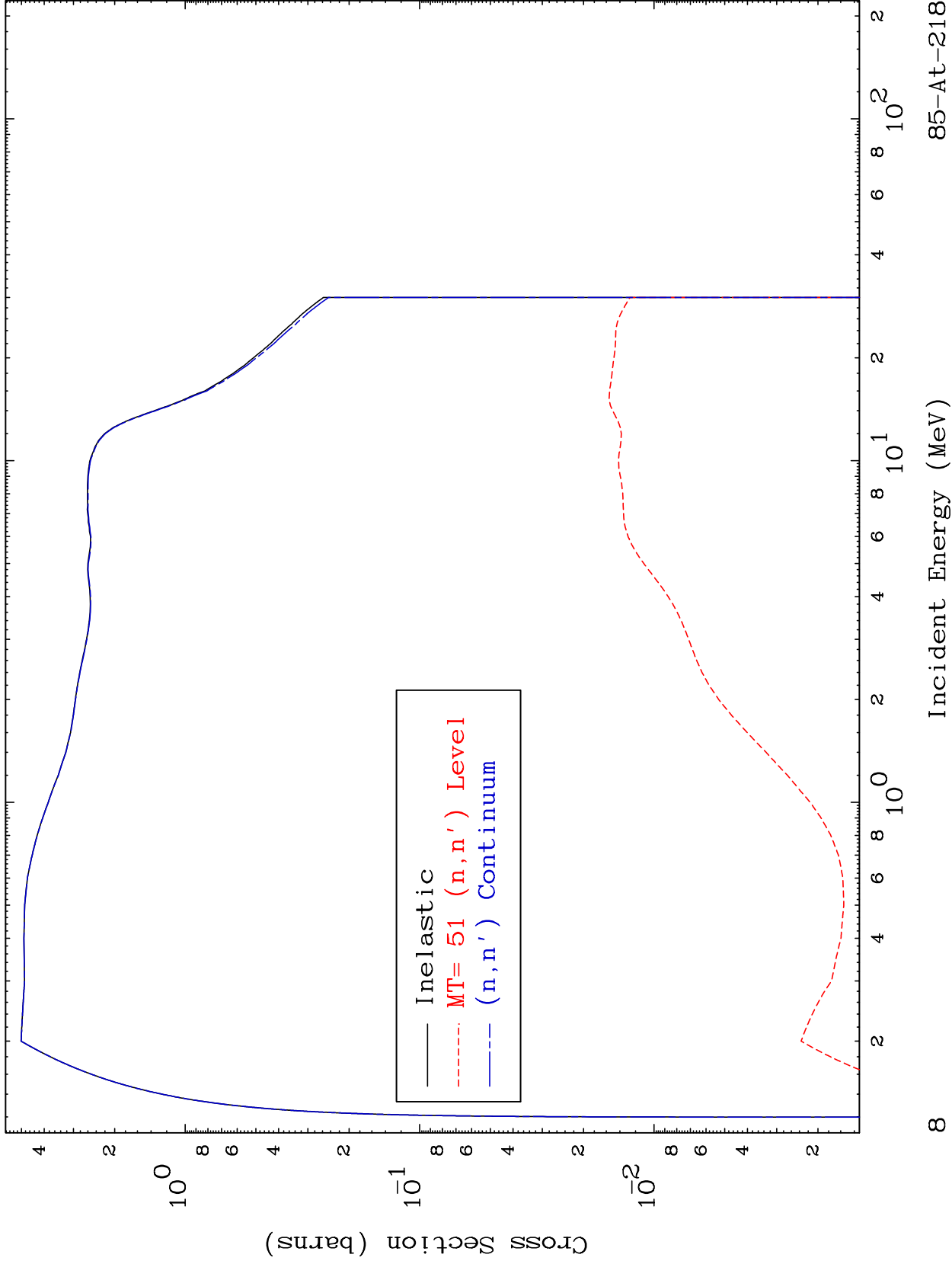
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Fission  
293 Kelvin Cross Sections

85-At-218



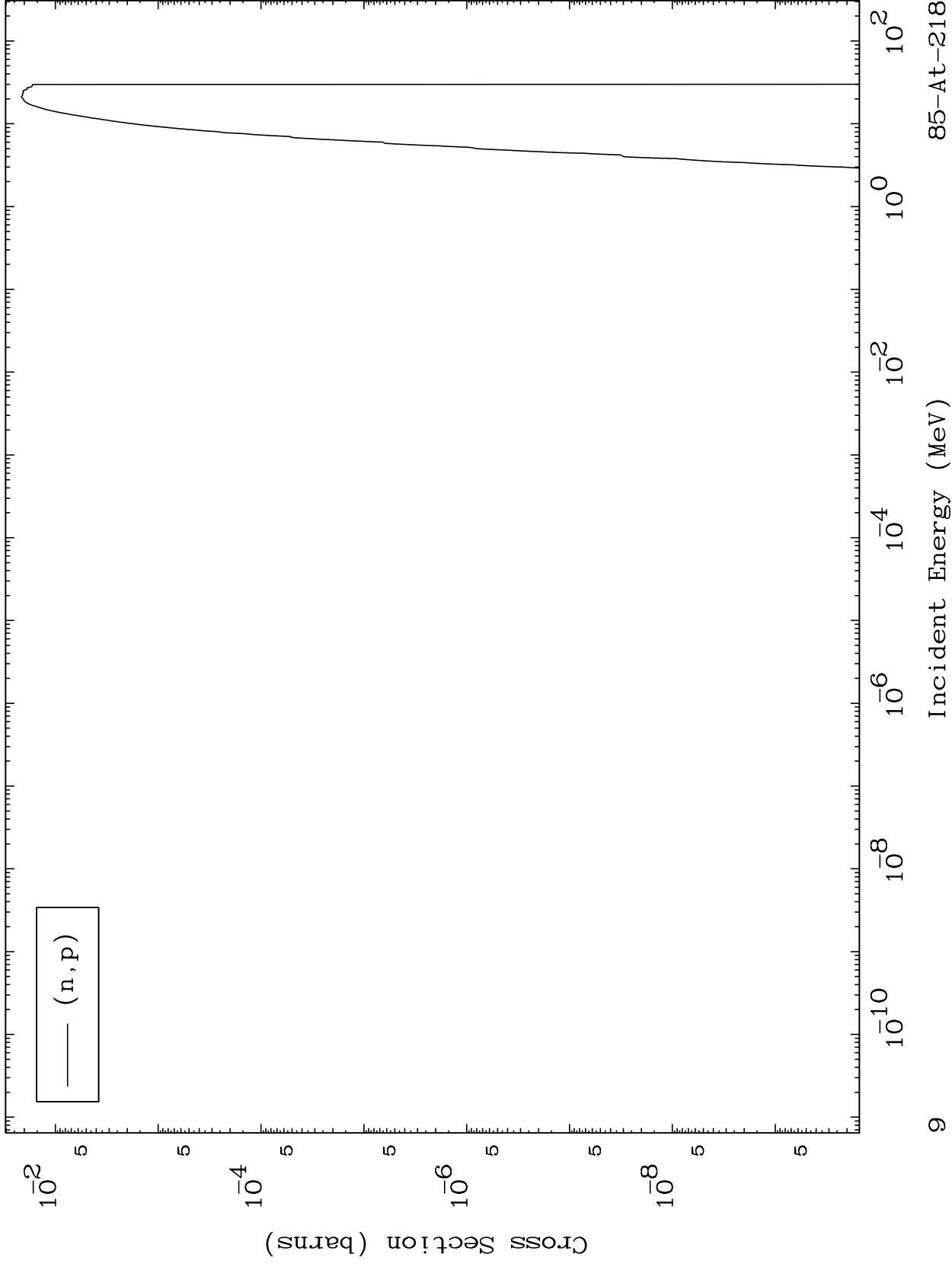




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(n,p) Levels  
293 Kelvin Cross Sections

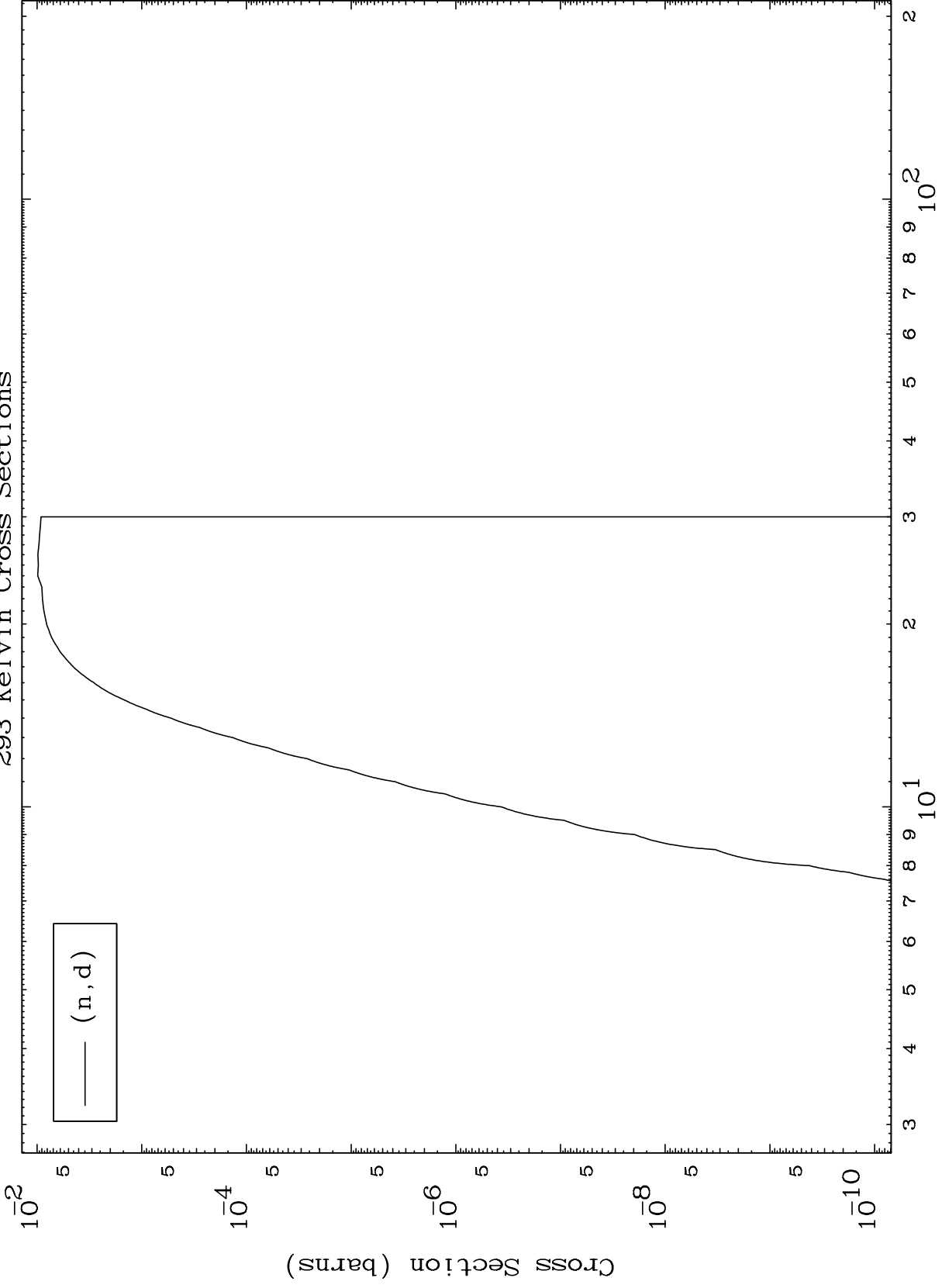
85-At-218



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(n,d) Levels  
293 Kelvin Cross Sections

85-At-218



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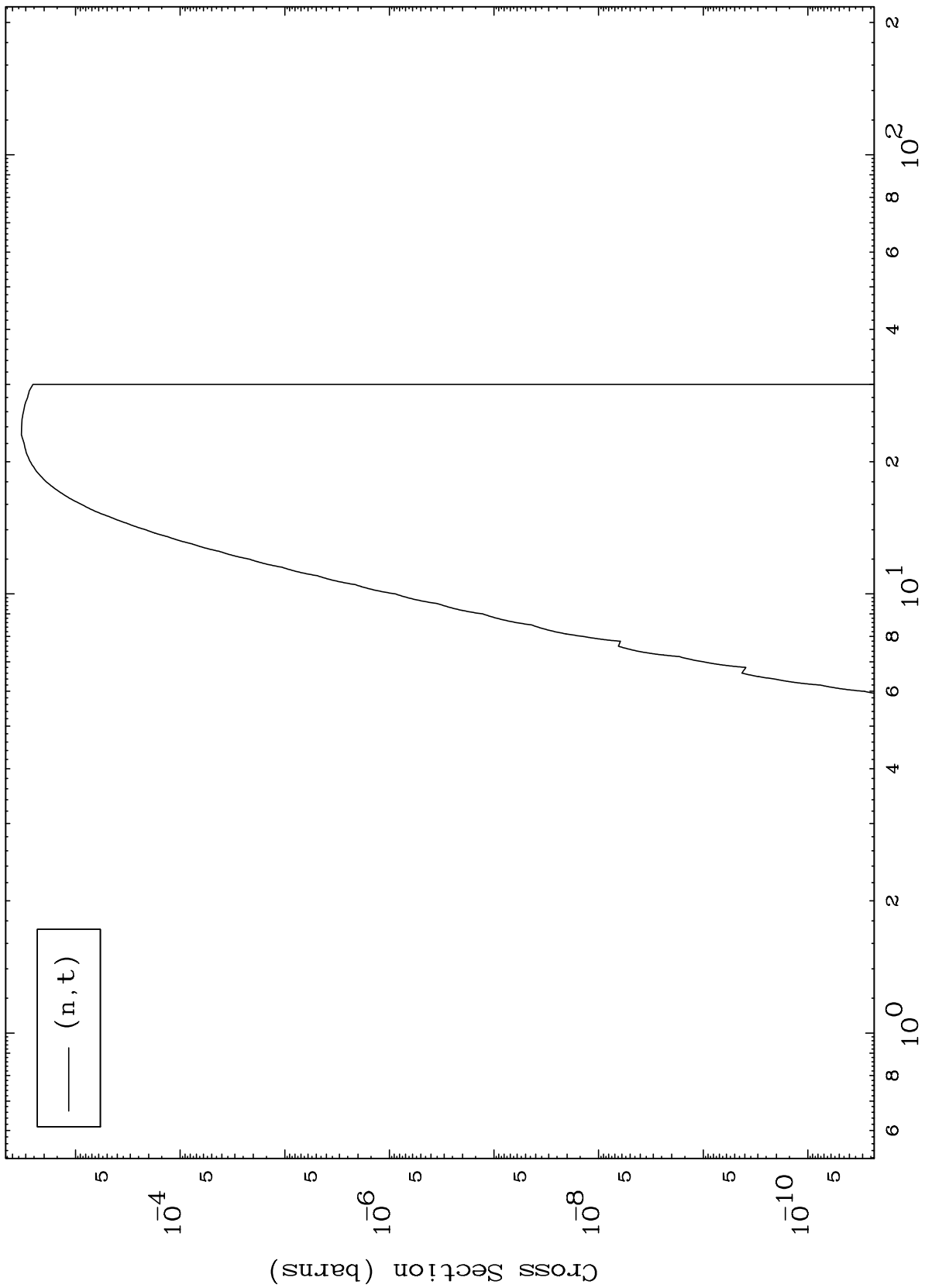
Incident Energy (MeV)

85-At-218

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(n,t) Levels  
293 Kelvin Cross Sections

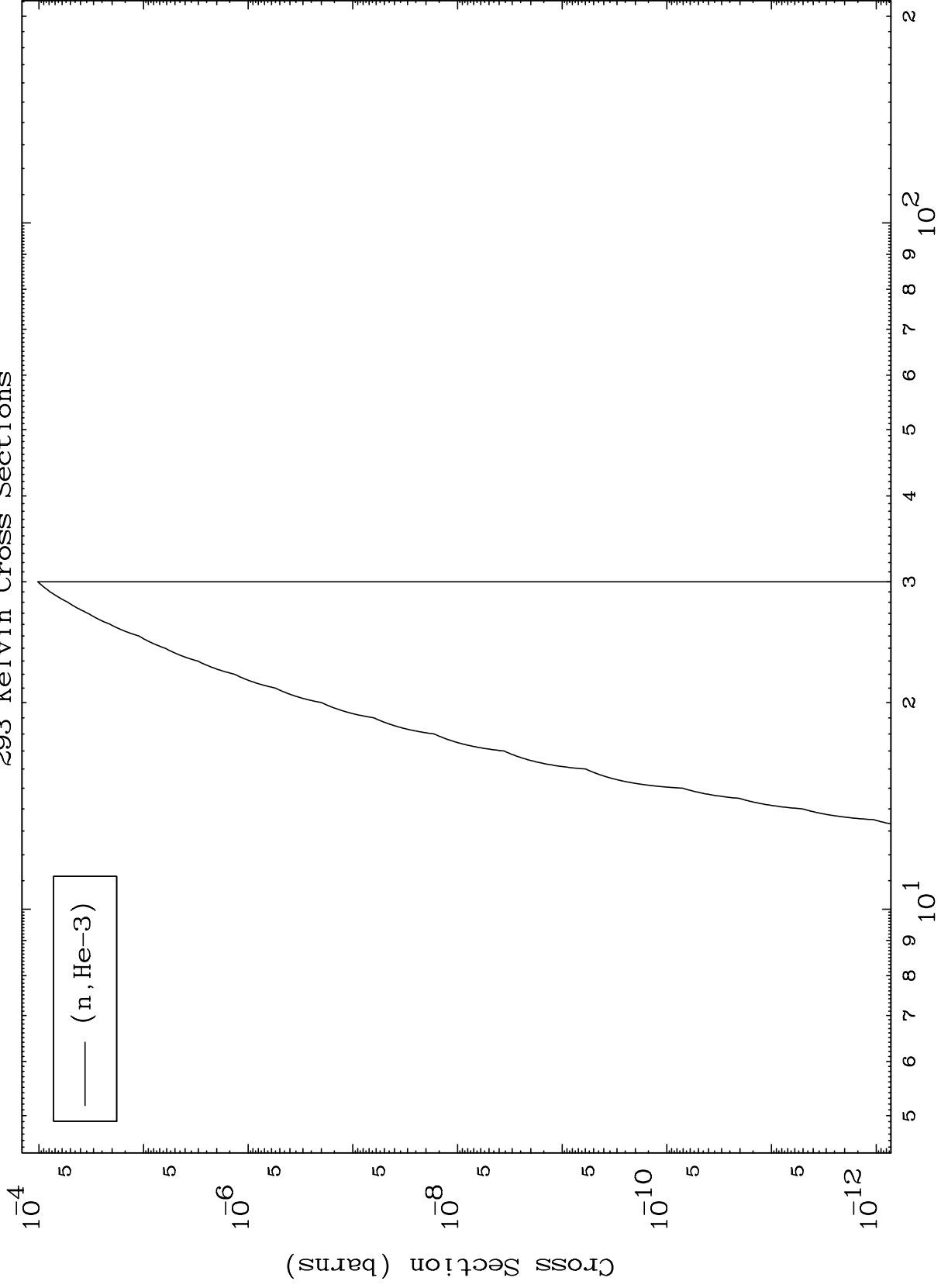
85-At-218



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(n,He3) Levels  
293 Kelvin Cross Sections

85-At-218



12

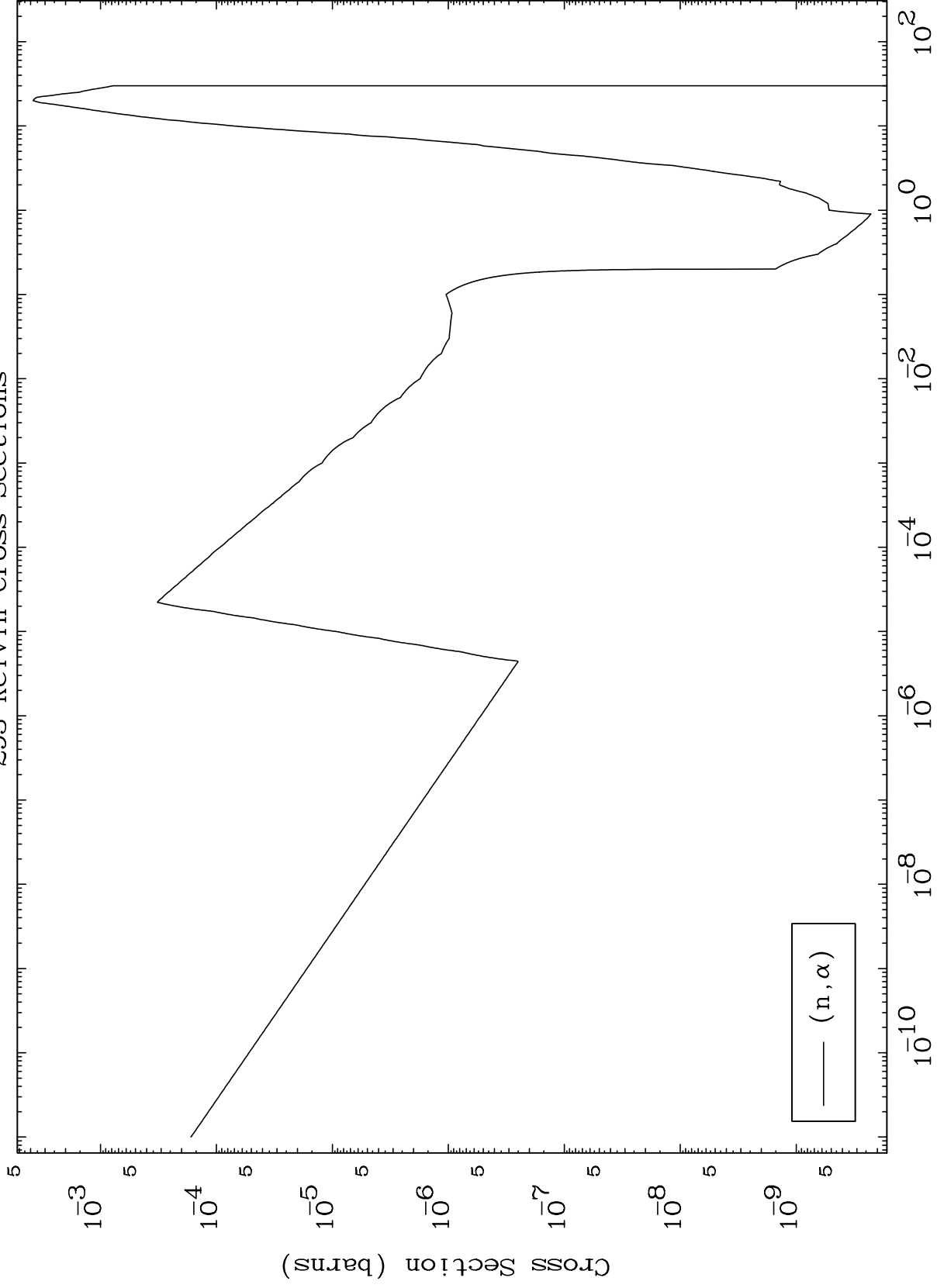
Incident Energy (MeV)

85-At-218

MAT 8570

(n,α) Levels  
293 Kelvin Cross Sections

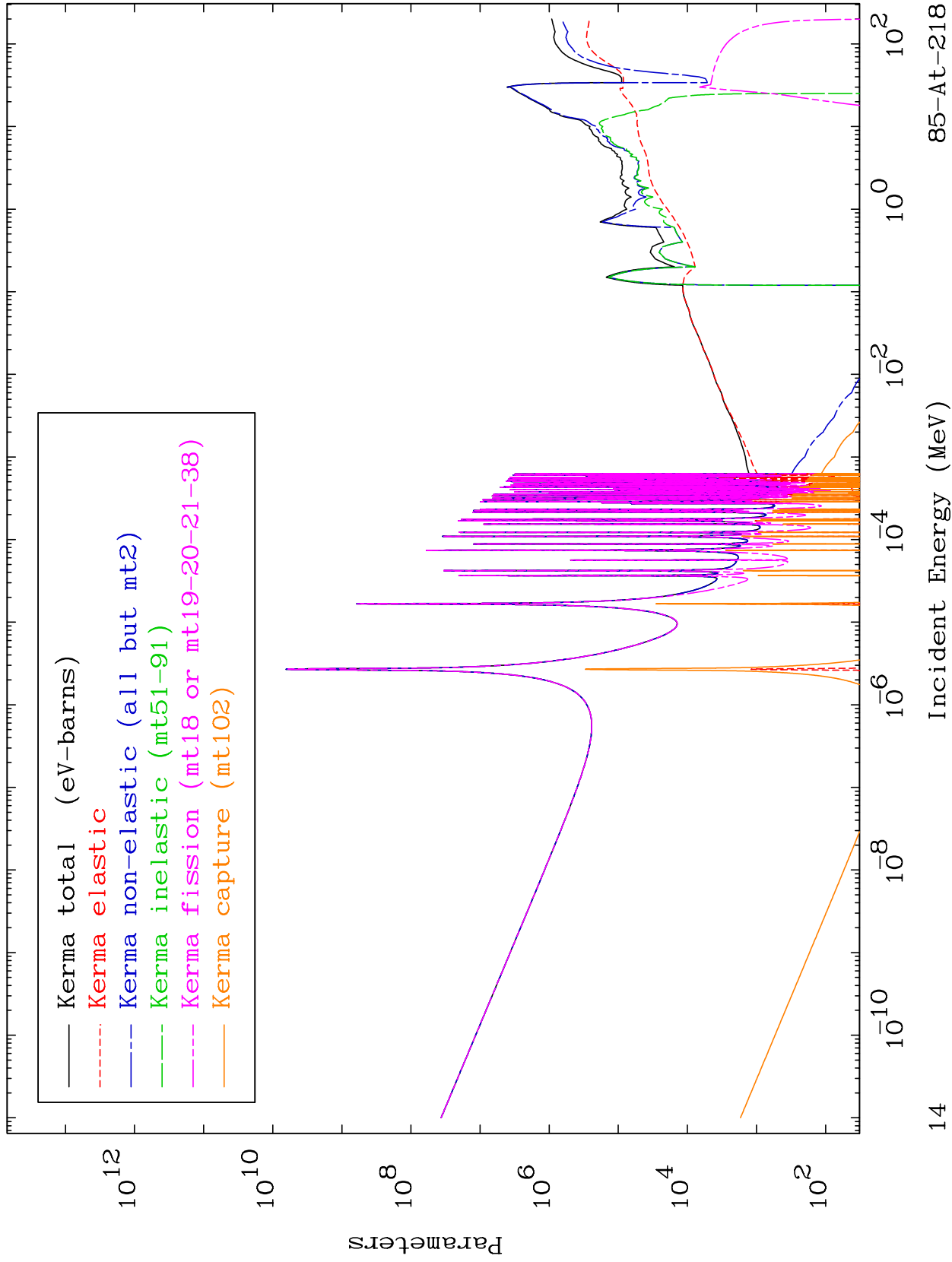
85-At-218

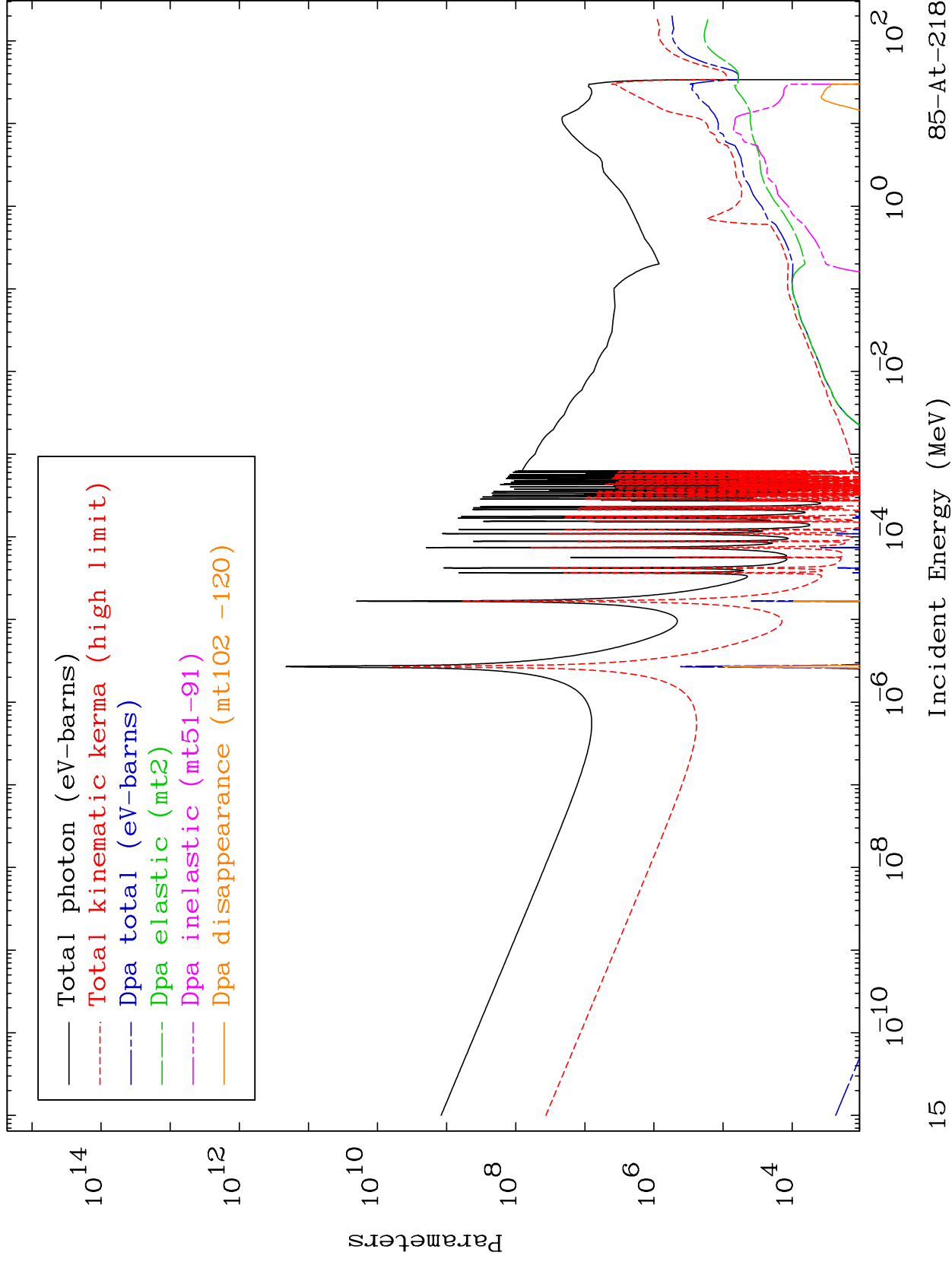


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Incident Energy (MeV)

85-At-218



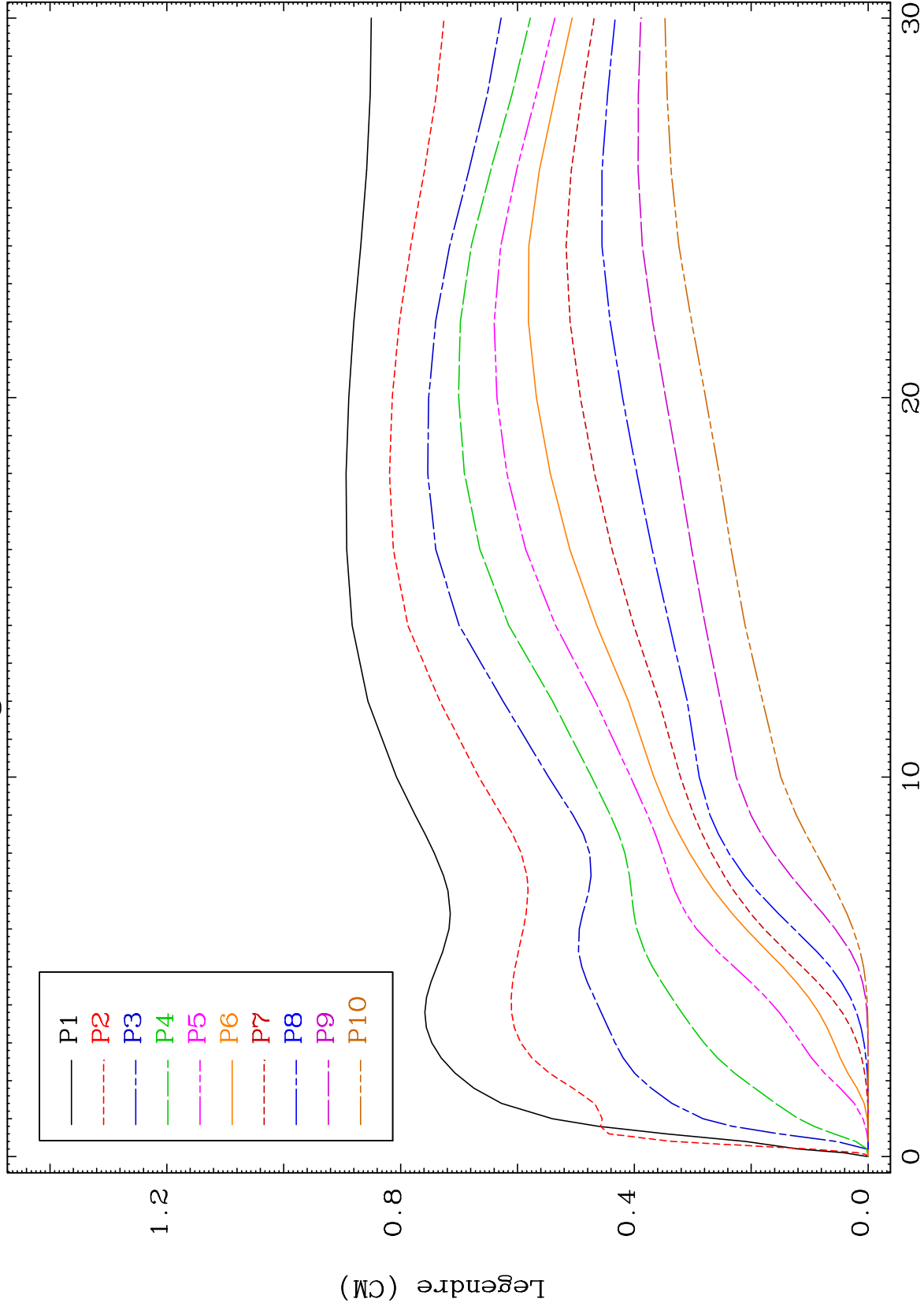




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Elastic Legendre Coefficients

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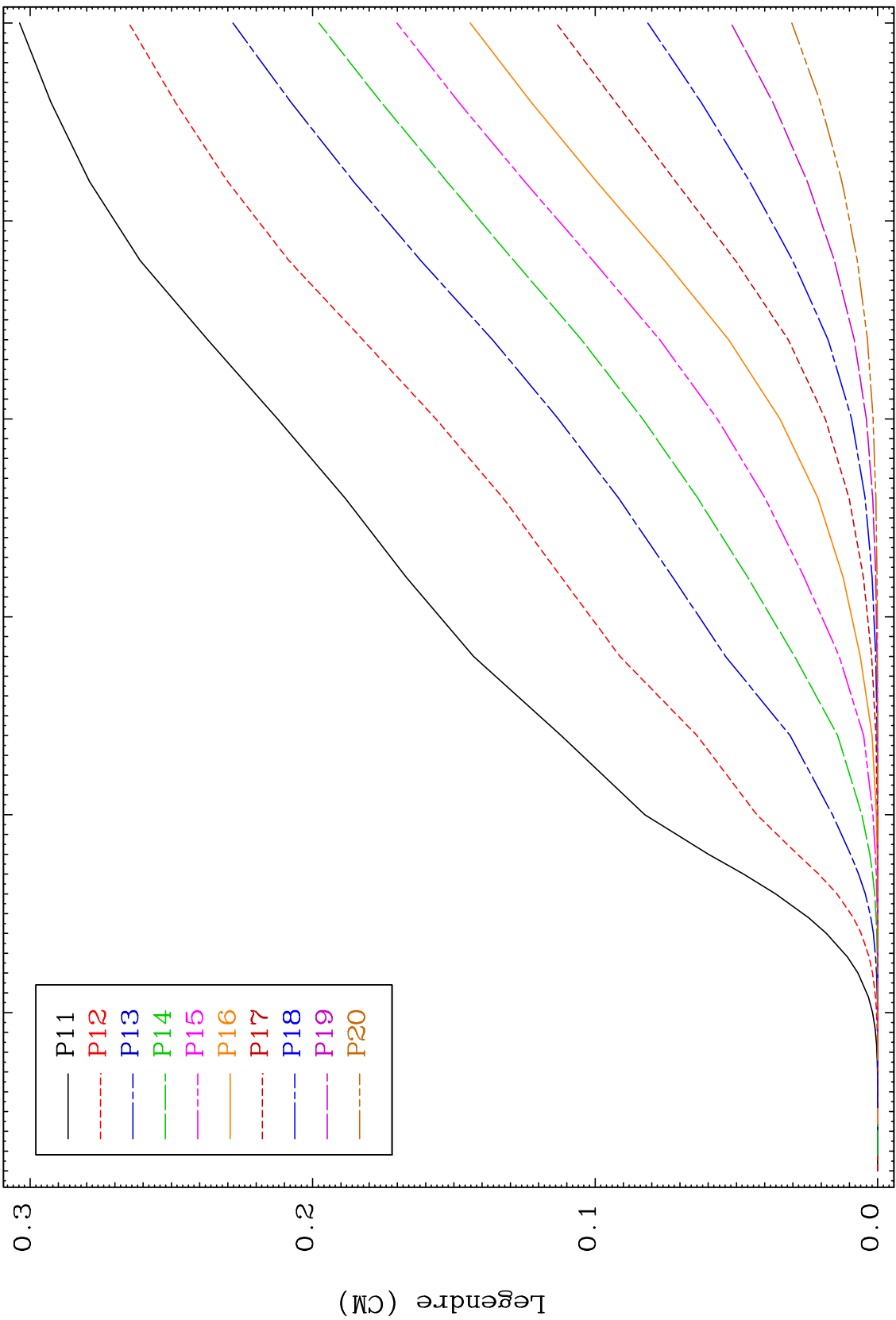
Incident Energy (MeV)

85-At-218

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Elastic Legendre Coefficients

85-At-218



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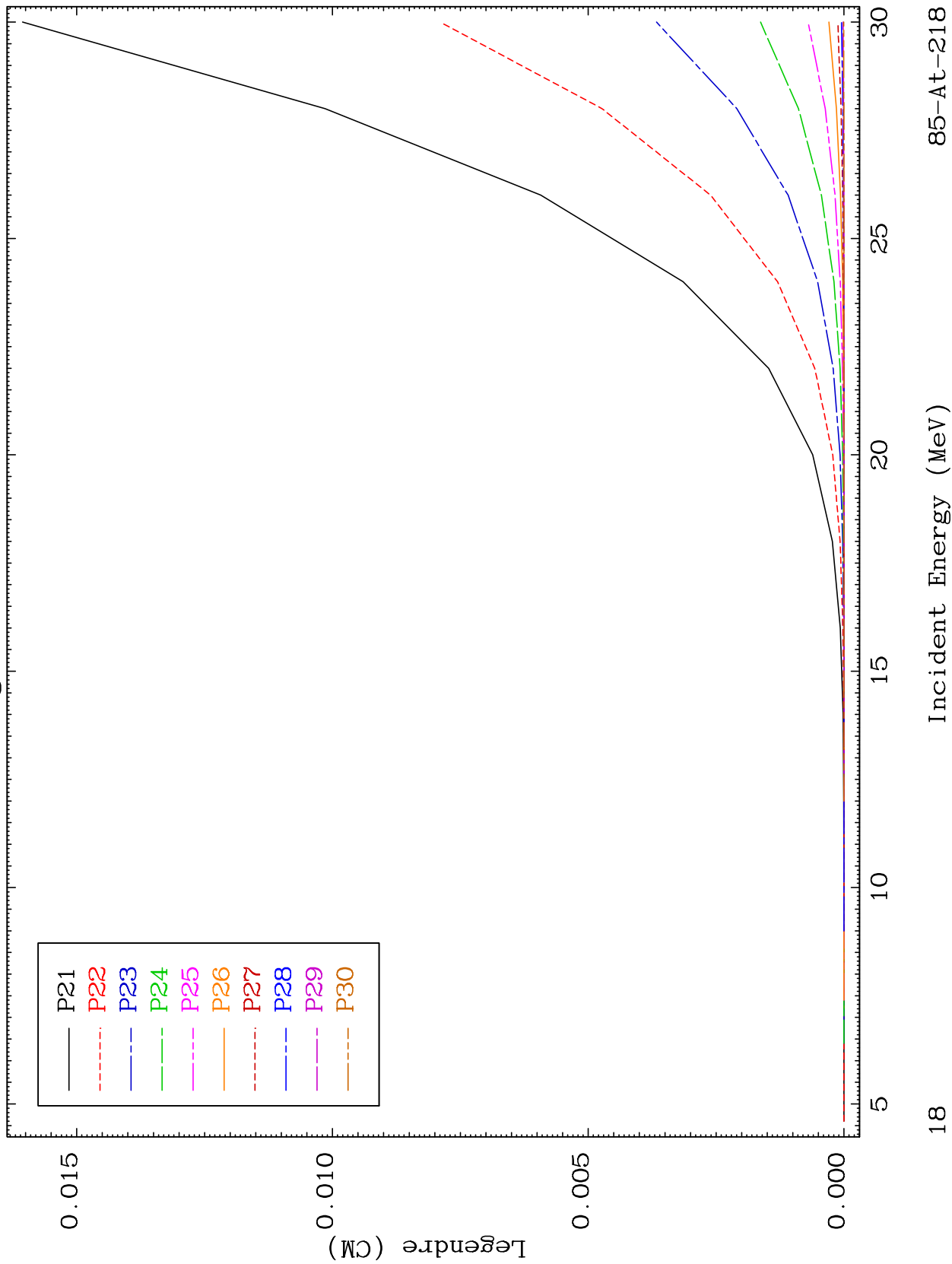
Incident Energy (MeV)

85-At-218

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### Elastic Legendre Coefficients

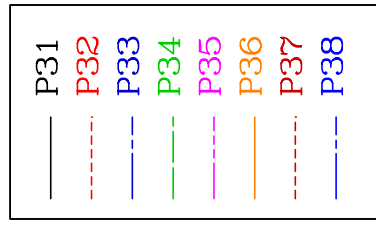
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Elastic  
Legendre Coefficients

85-At-218



$\times 10^{-6}$

Legendre (CM)

1.0

0.5

0.0

18 20 22 24 26 28 30

19

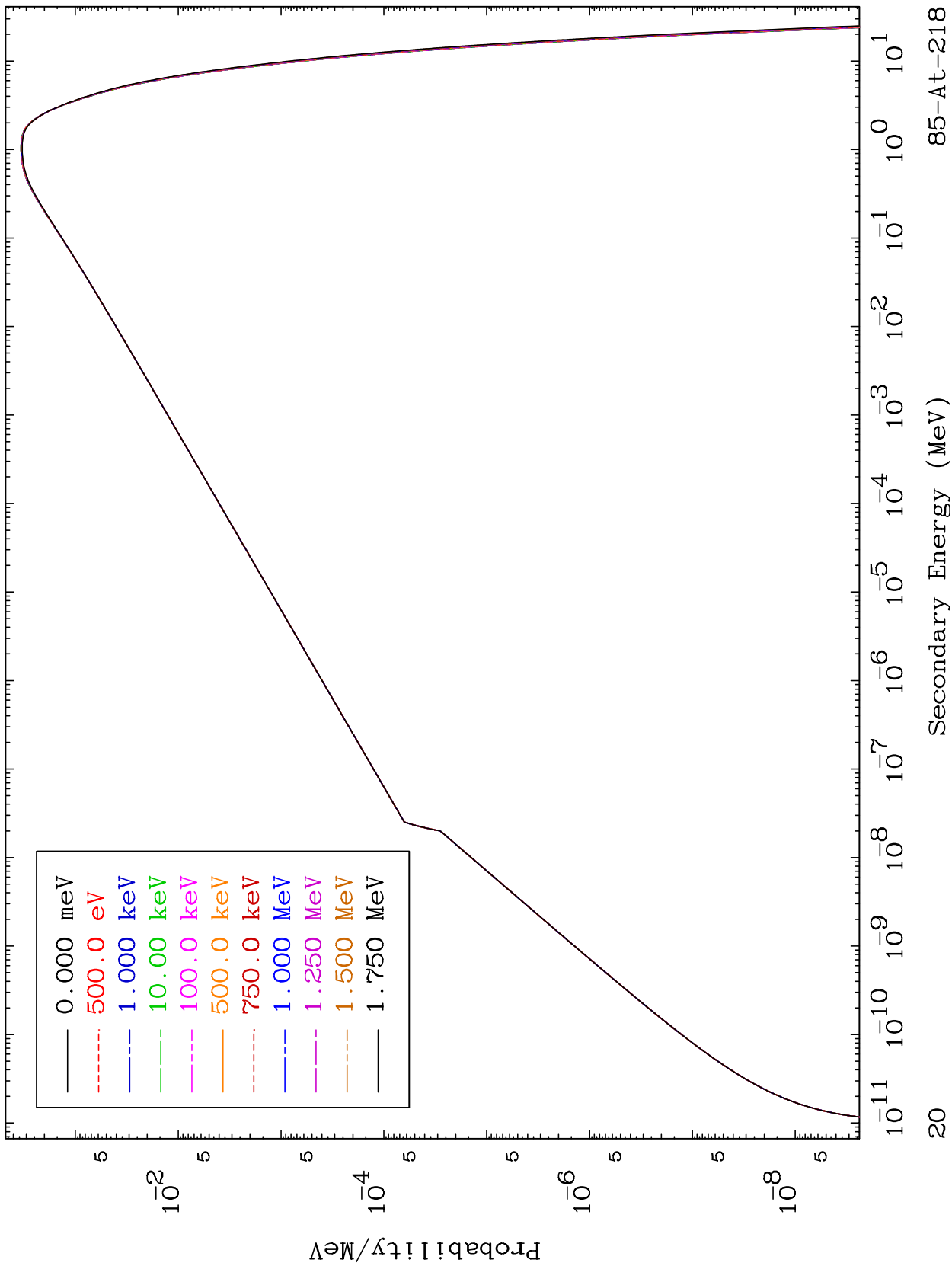
Incident Energy (MeV)

85-At-218

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### Fission Energy Distribution

85-At-218



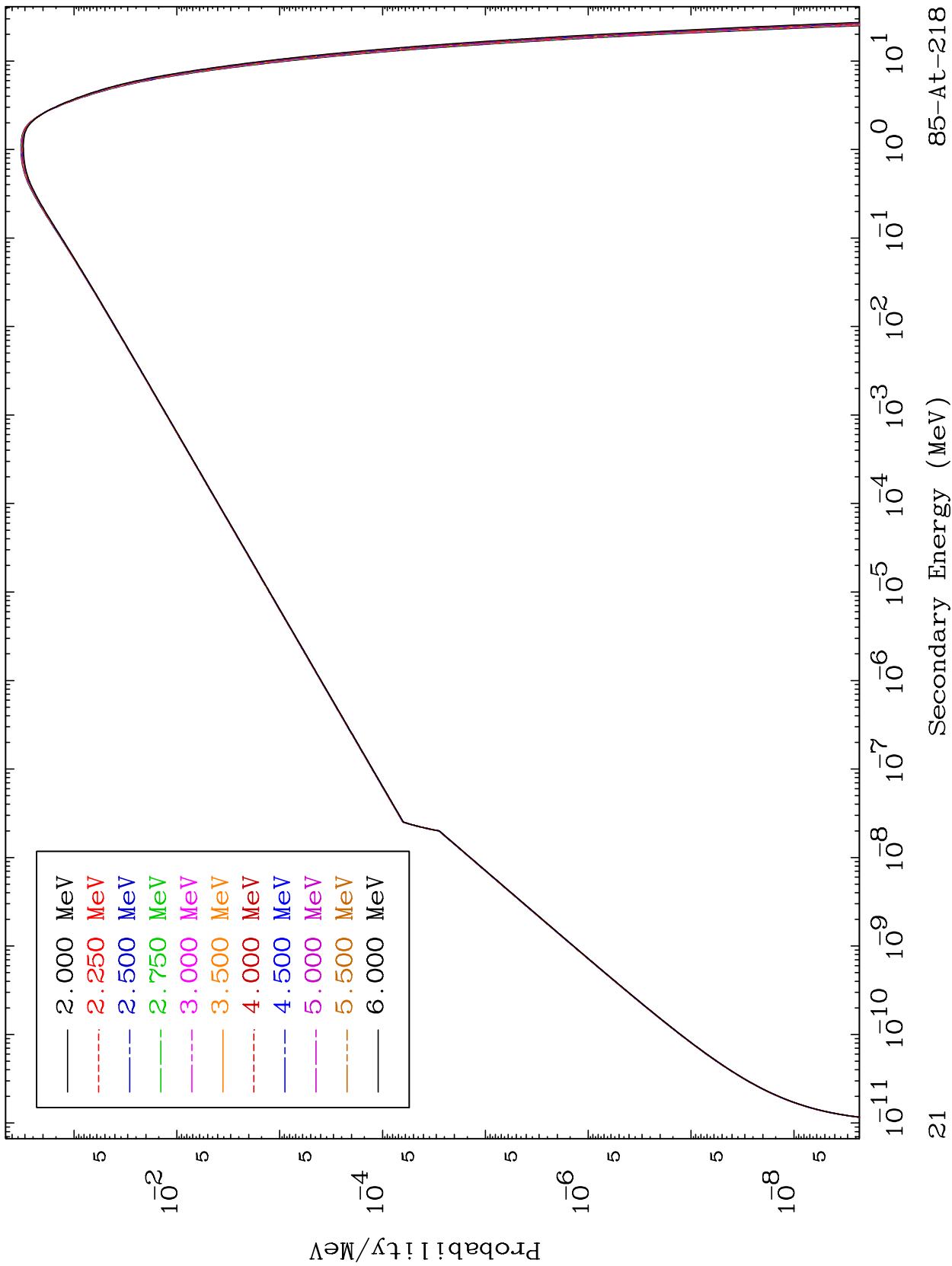
85-At-218

Secondary Energy (MeV)

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### Fission Energy Distribution

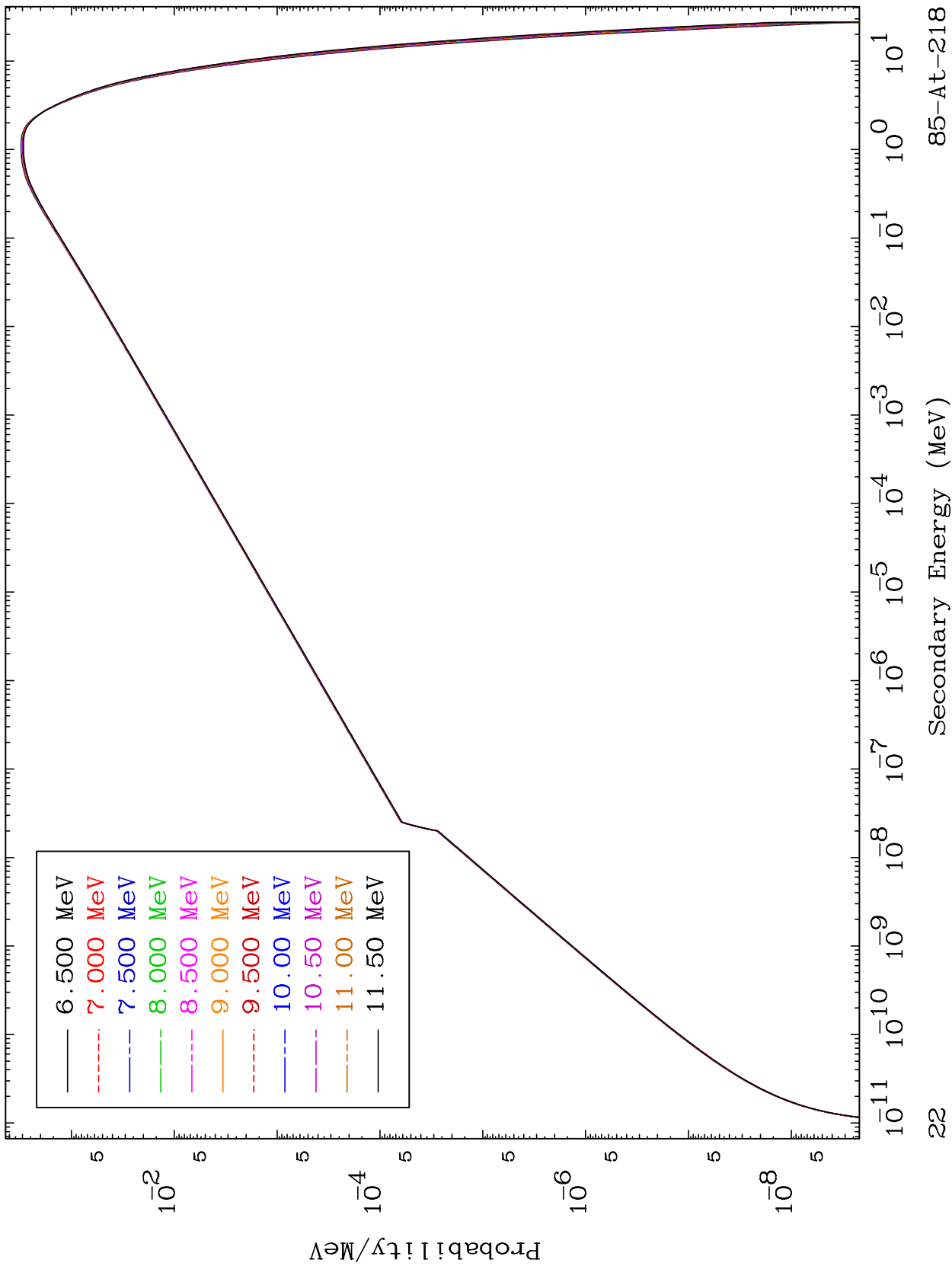
85-At-218



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### Fission Energy Distribution

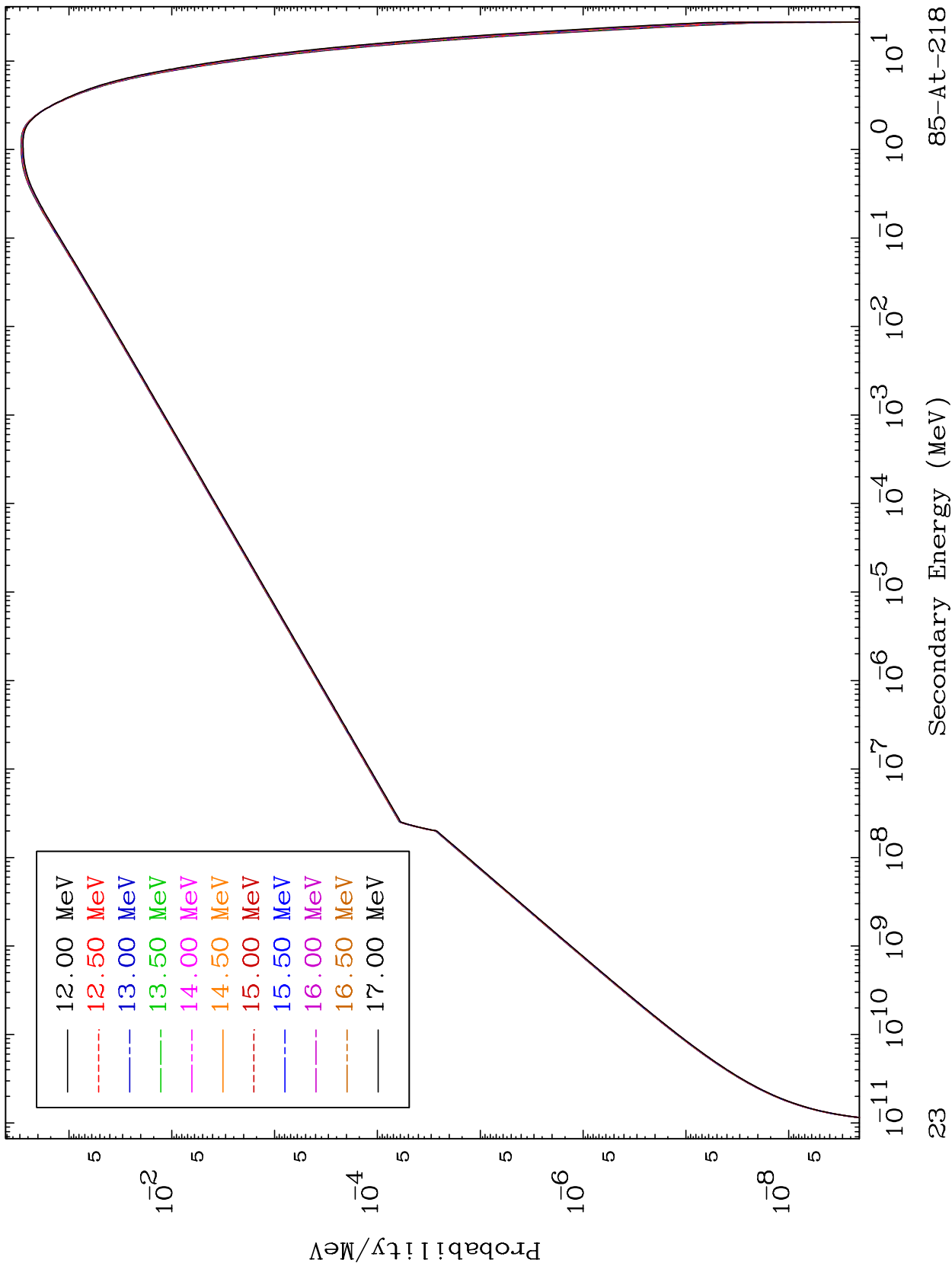
85-At-218



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### Fission Energy Distribution

85-At-218



85-At-218

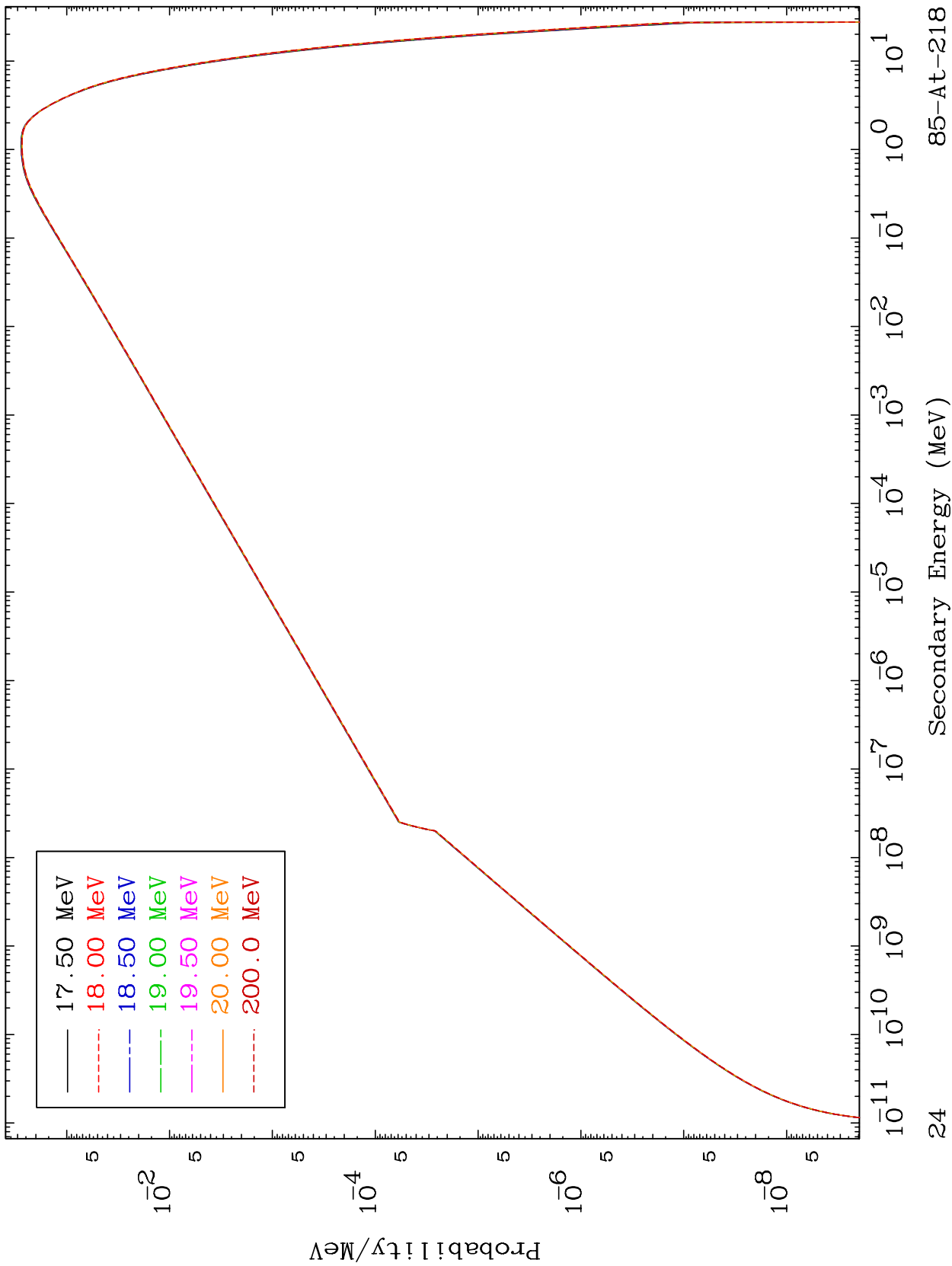
Secondary Energy (MeV)



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Fission  
Energy Distribution

85-At-218

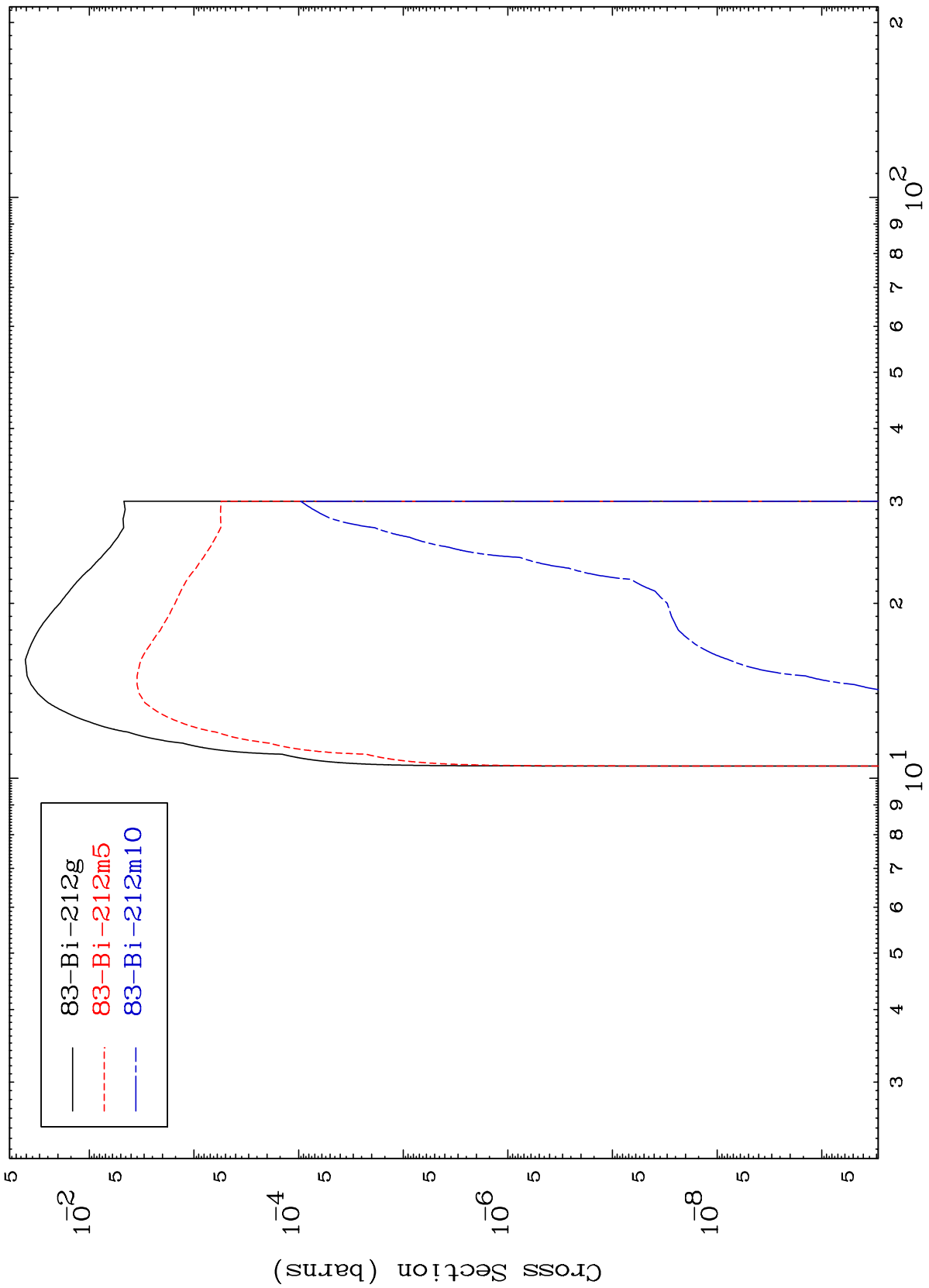


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(n,3n)  $\alpha$

85-At-218

Radionuclide Production Cross Section



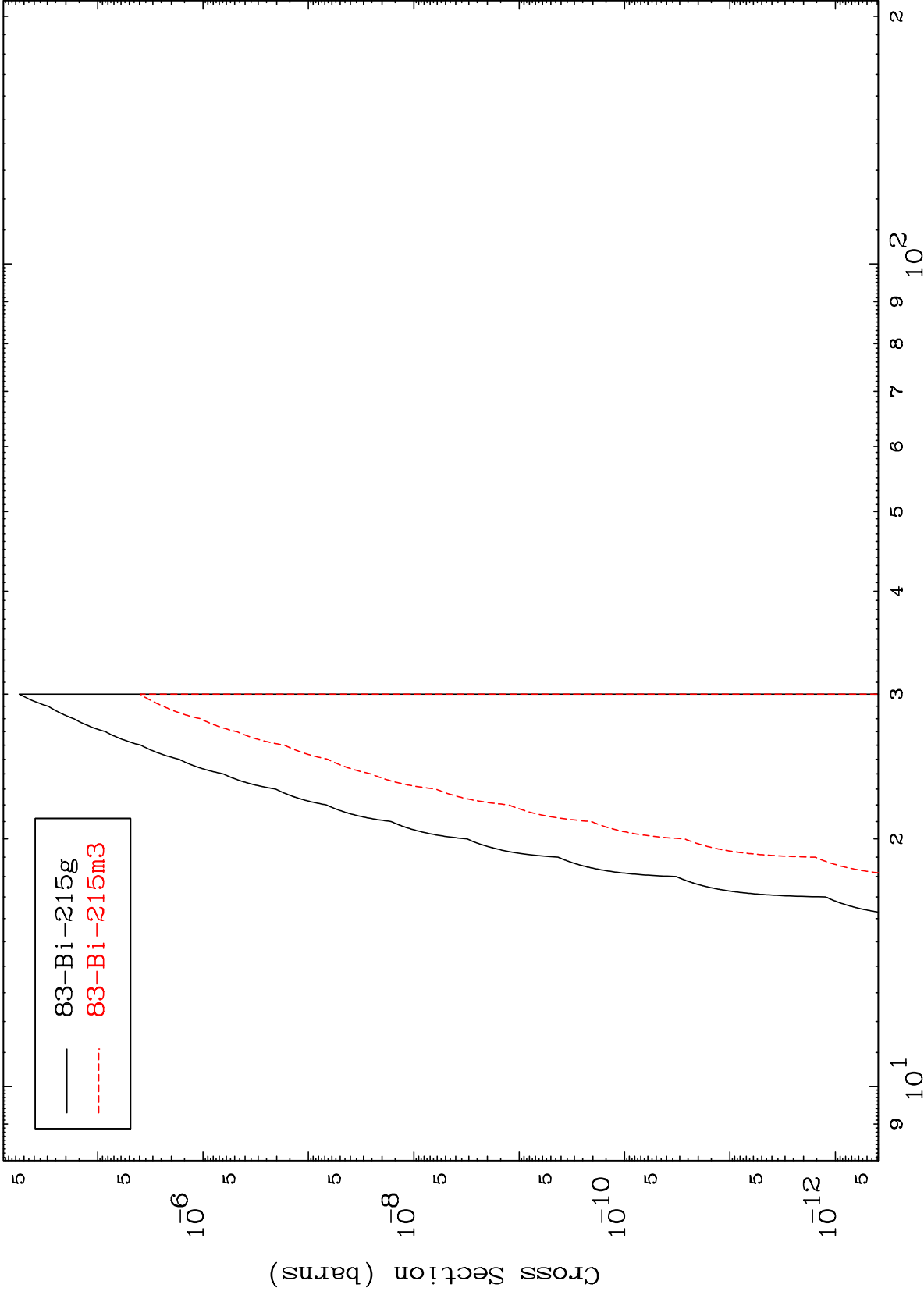
83-Bi-212g  
83-Bi-212m5  
83-Bi-212m10

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(n,n') He-3

85-At-218

Radionuclide Production Cross Section

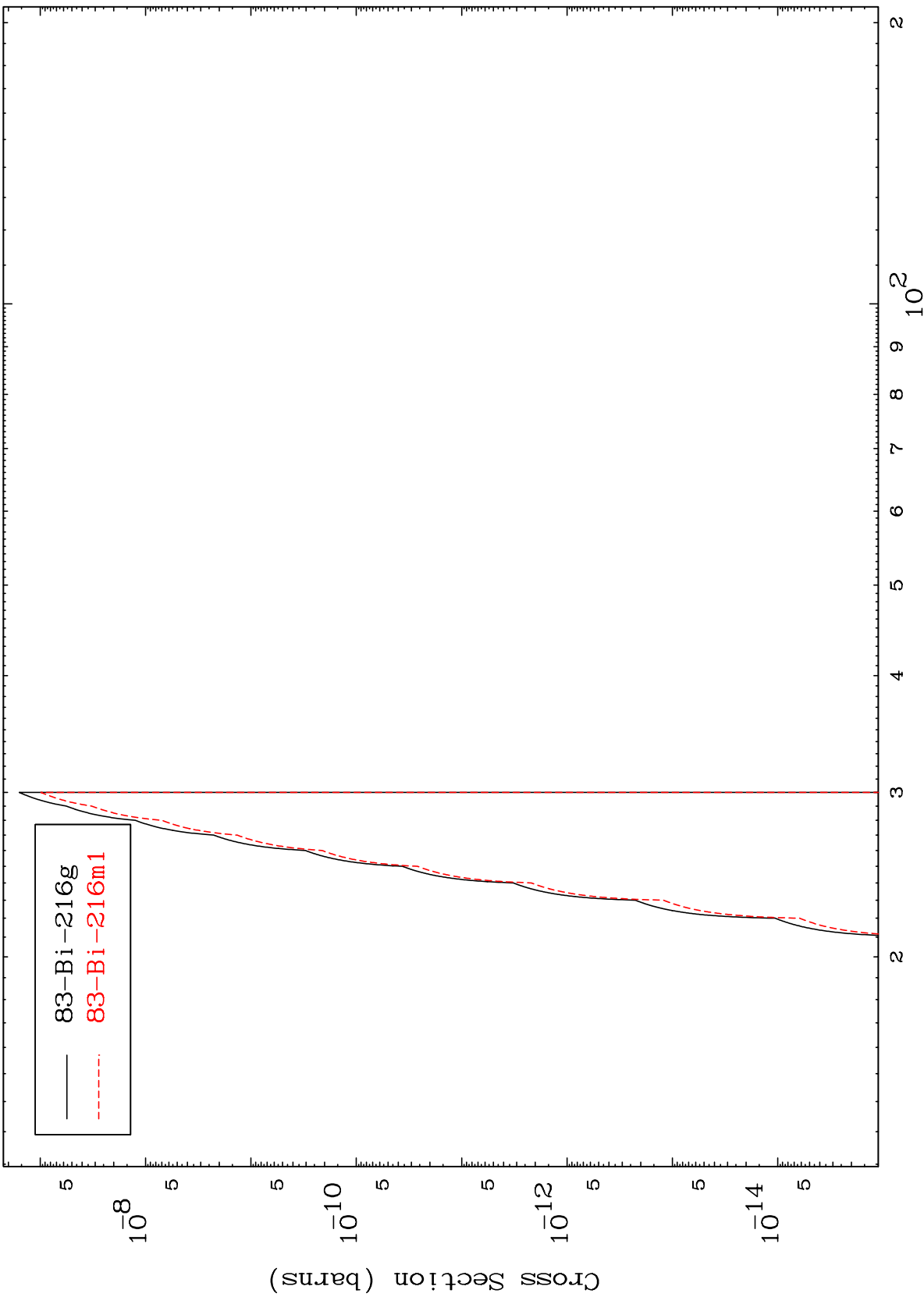


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Incident Energy (MeV)

85-At-218

Radionuclide Production Cross Section

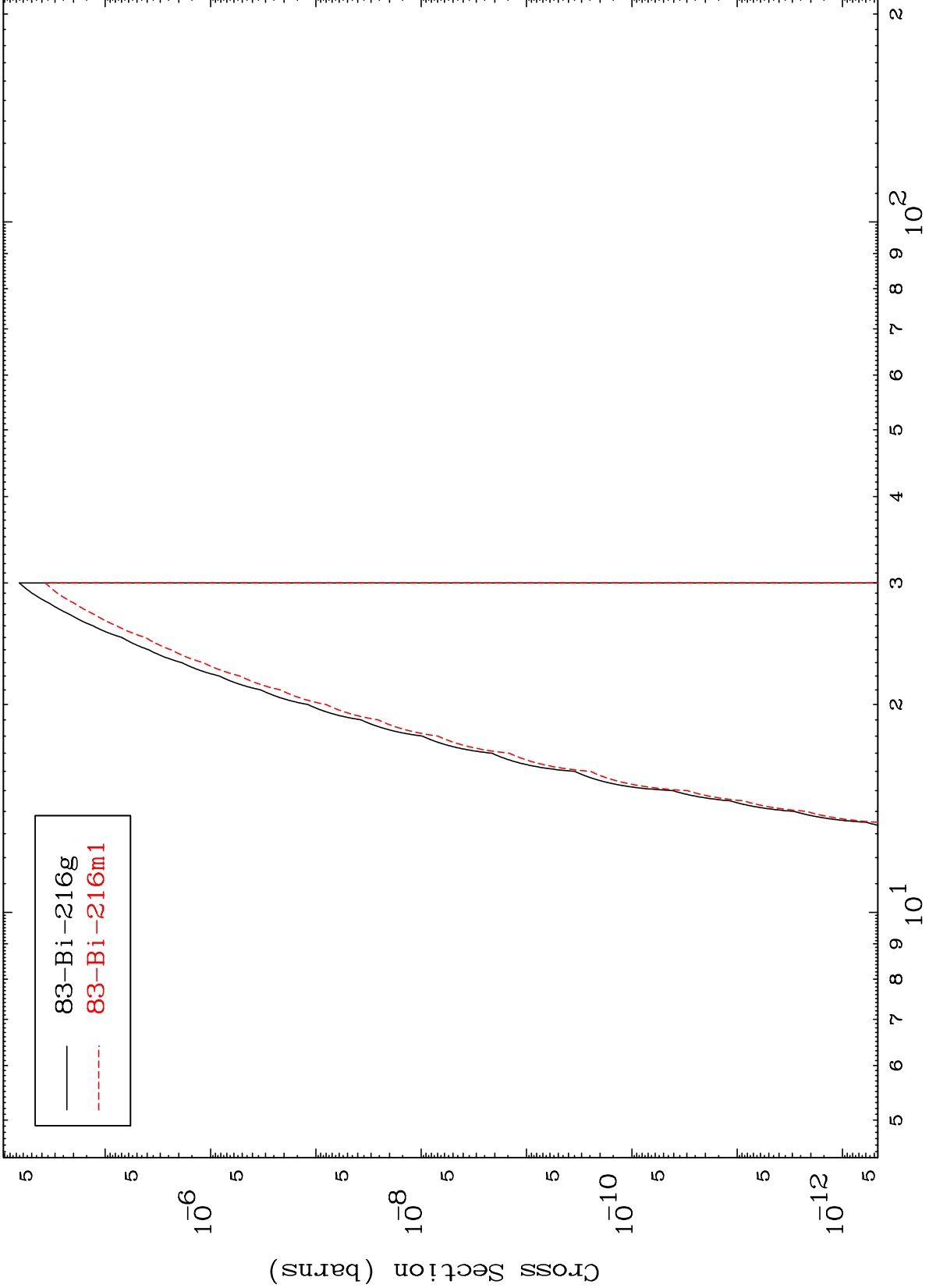


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(n,He-3)

85-At-218

Radionuclide Production Cross Section



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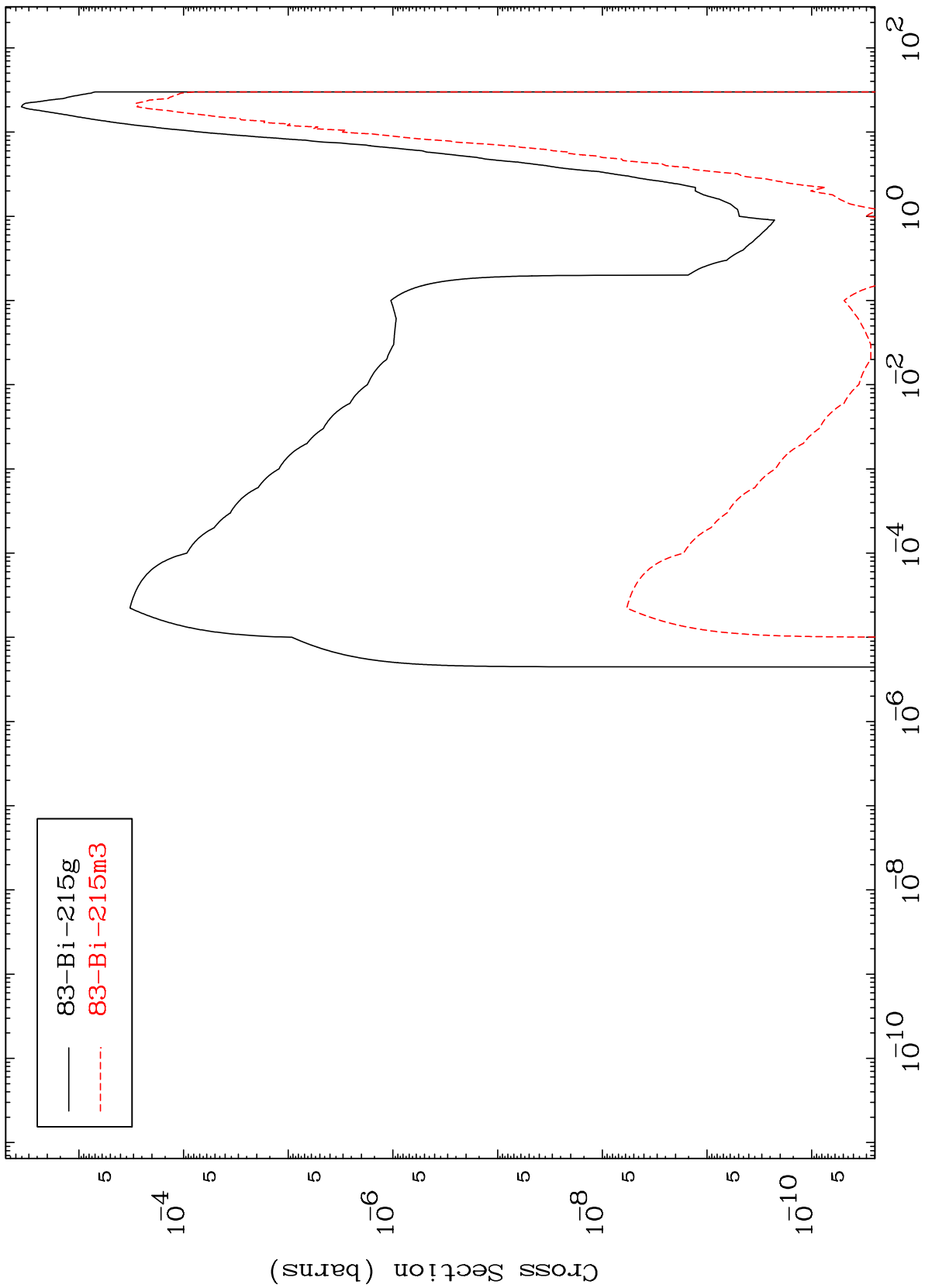
Incident Energy (MeV)

85-At-218

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85-At-218

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



83-Bi-215g  
83-Bi-215m3

85-At-218

Incident Energy (MeV)

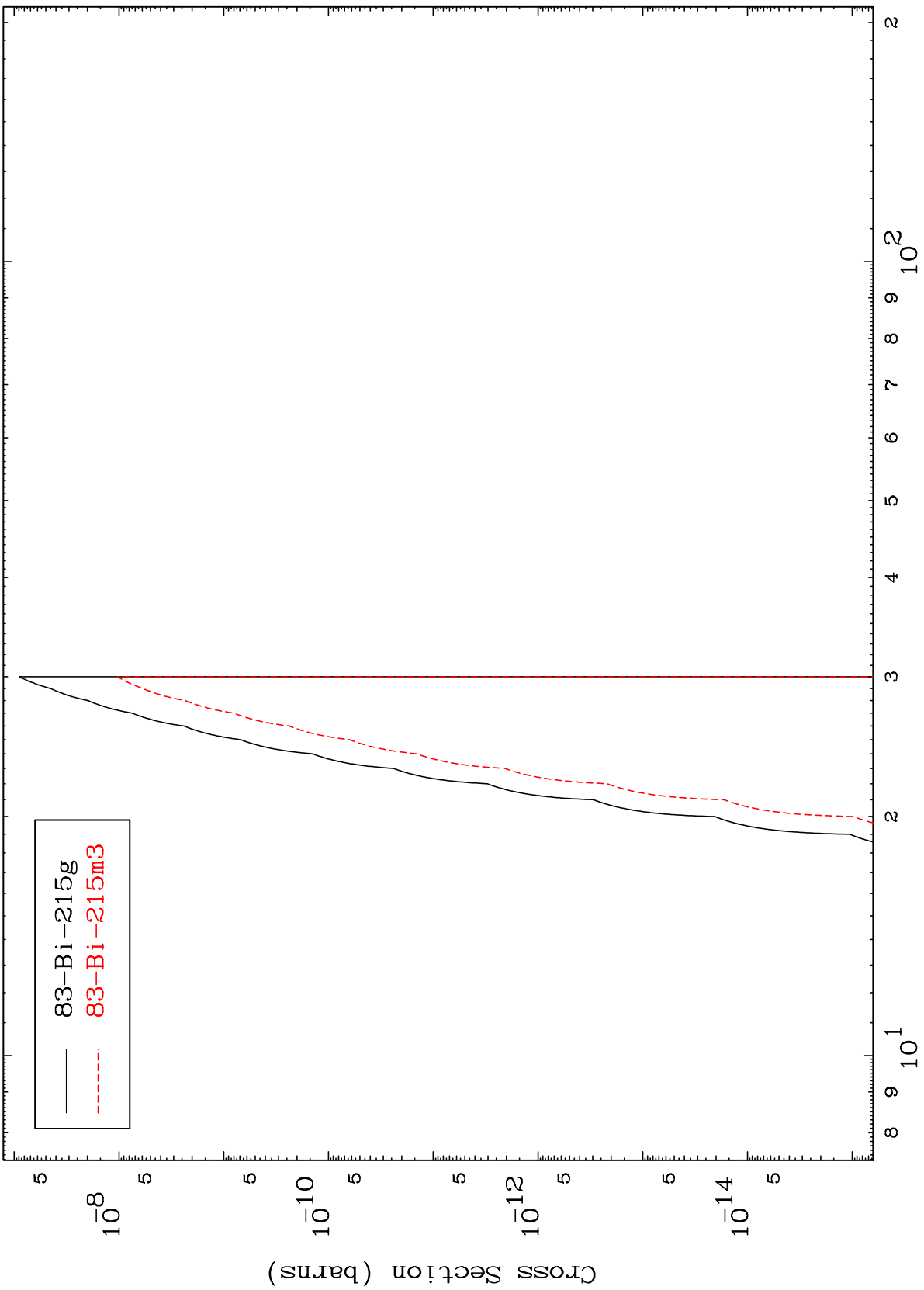
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(n,p) t

85-At-218

Radionuclide Production Cross Section



83-Bi-215g  
83-Bi-215m3

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Incident Energy (MeV)

85-At-218