

Program EVALPLOT  
(Version 2021-1)

by

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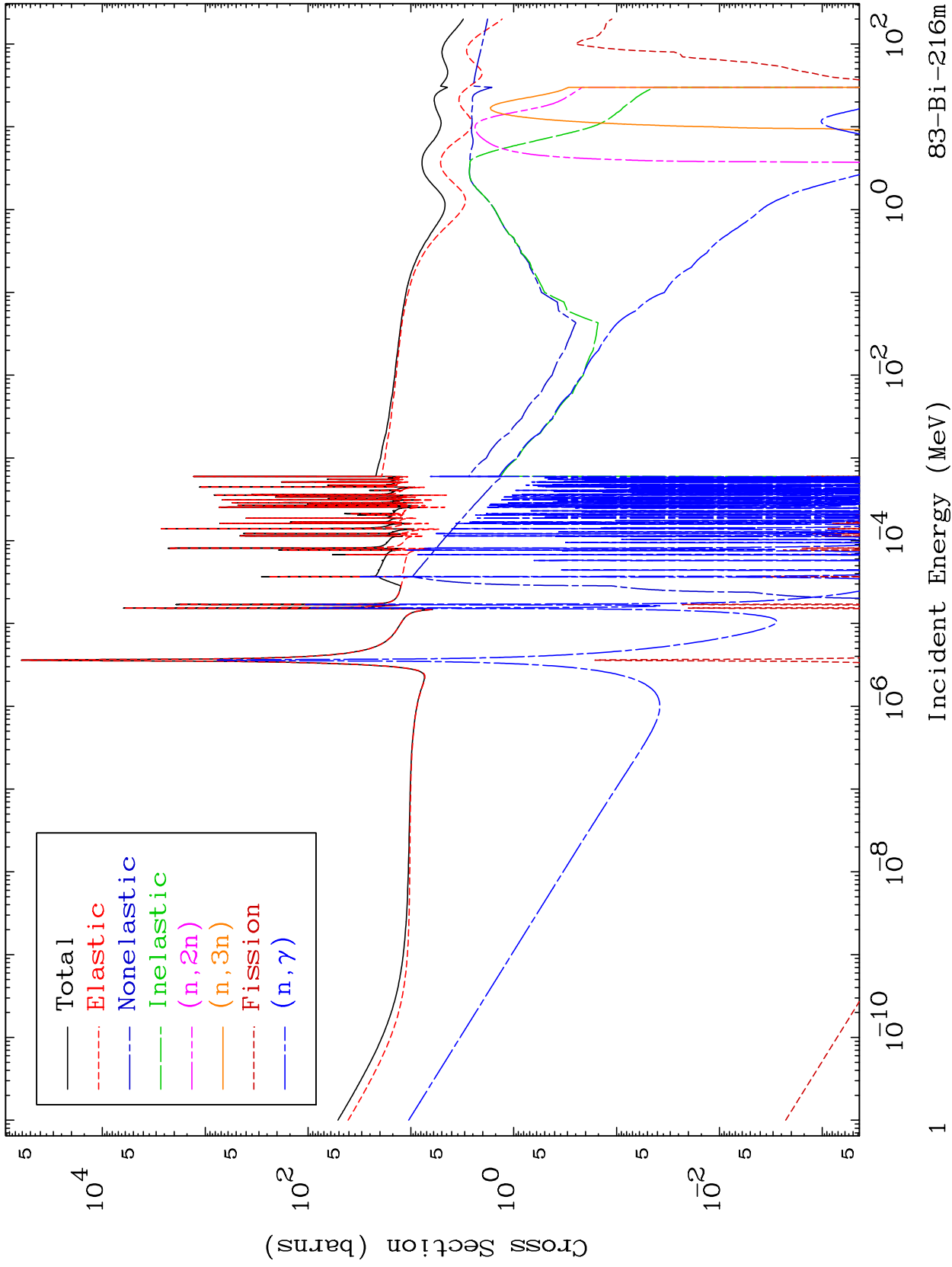
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8347

Neutron Major  
293 Kelvin Cross Sections

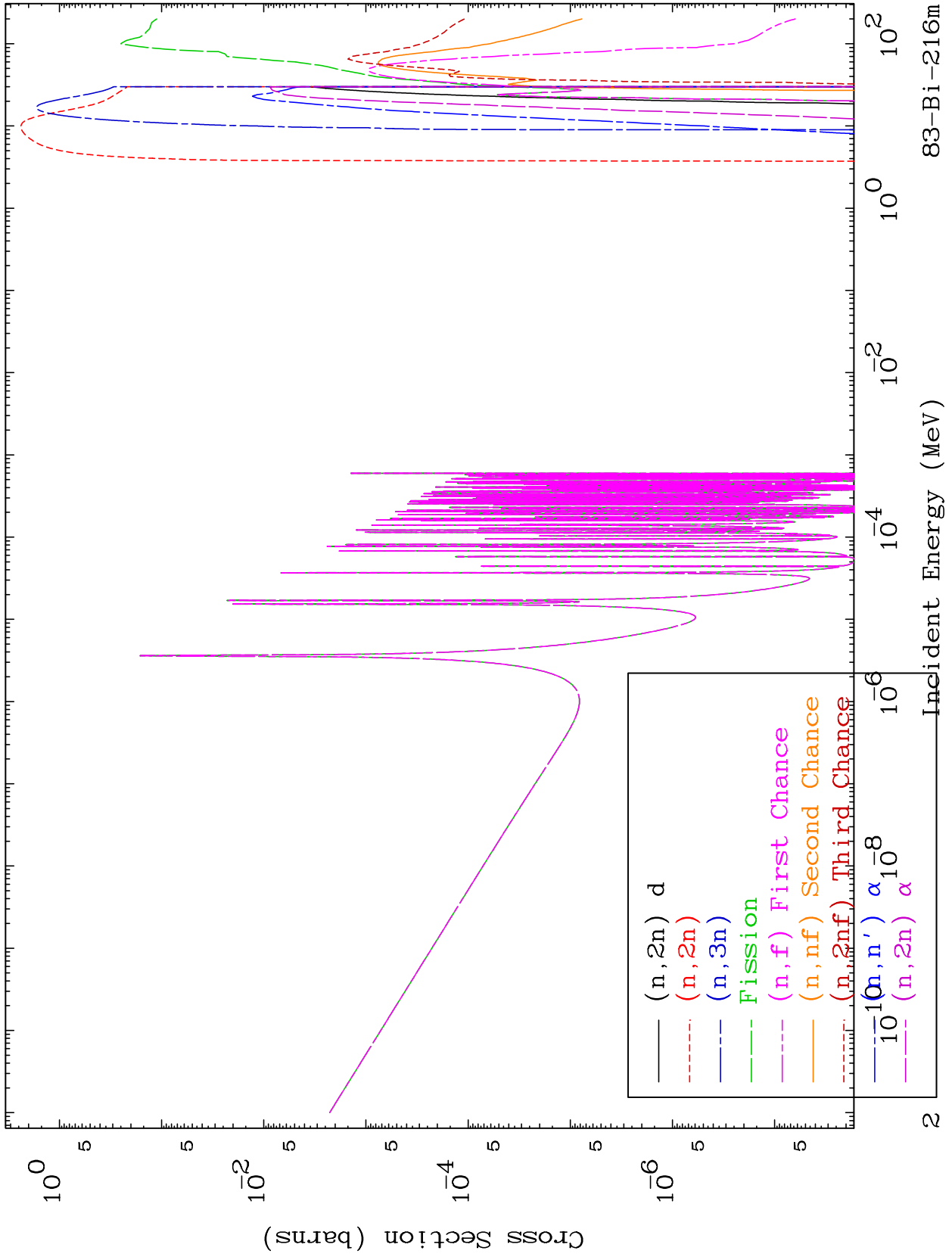
83-Bi-216m



MAT 8347

Neutron Absorption  
293 Kelvin Cross Sections

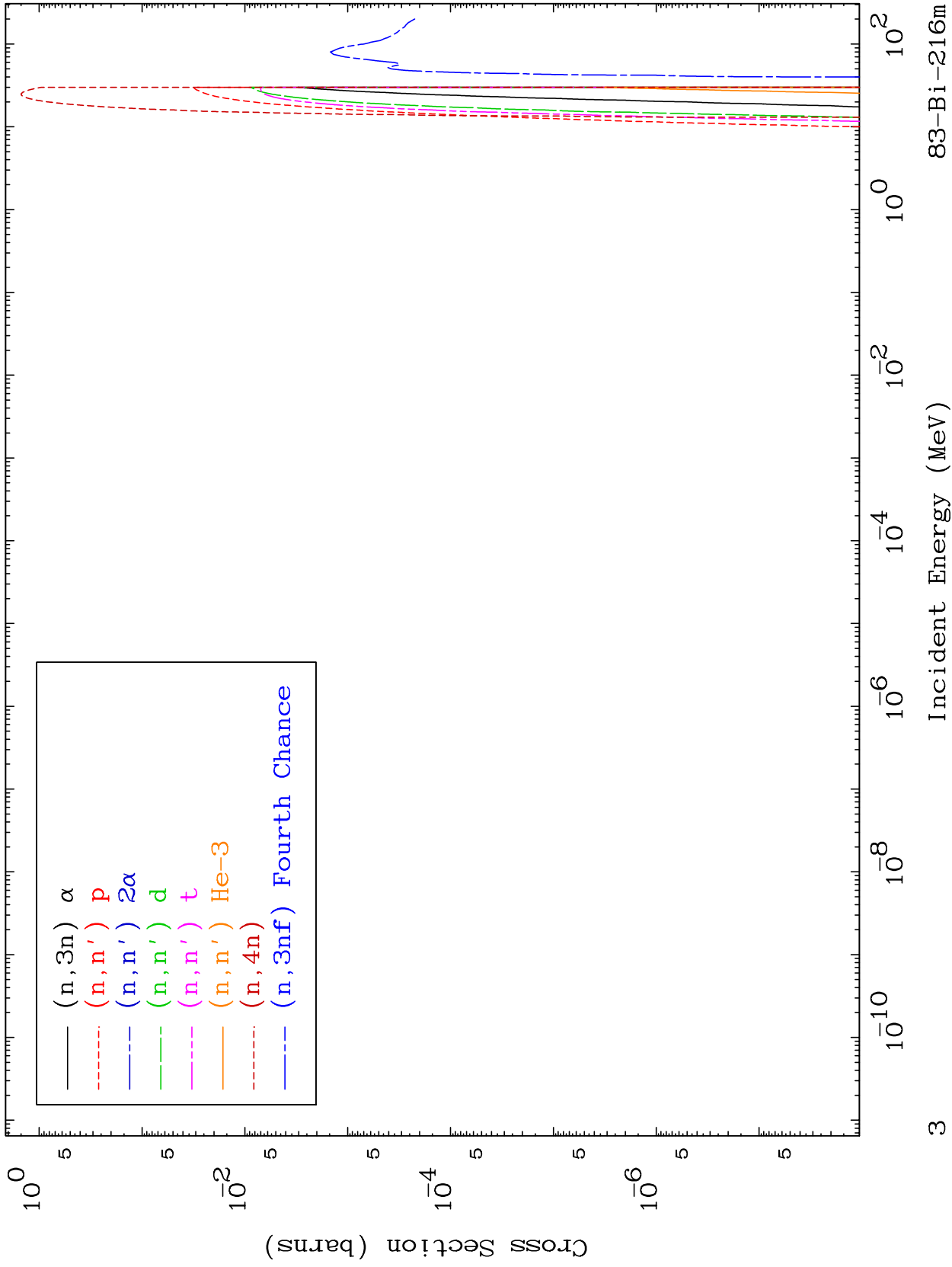
83-Bi-216m



MAT 8347

Neutron Absorption  
293 Kelvin Cross Sections

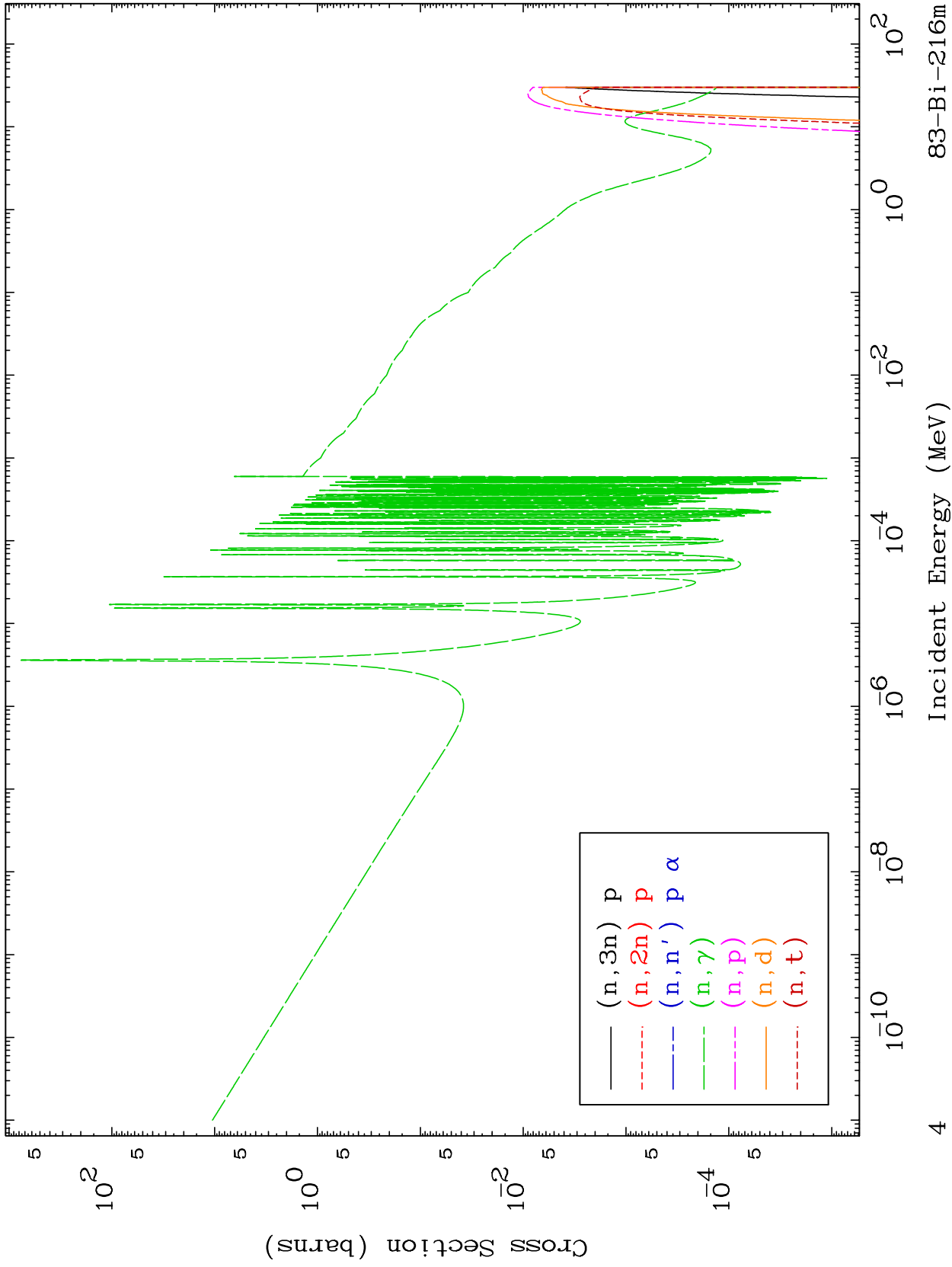
83-Bi-216m



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Neutron Absorption  
293 Kelvin Cross Sections

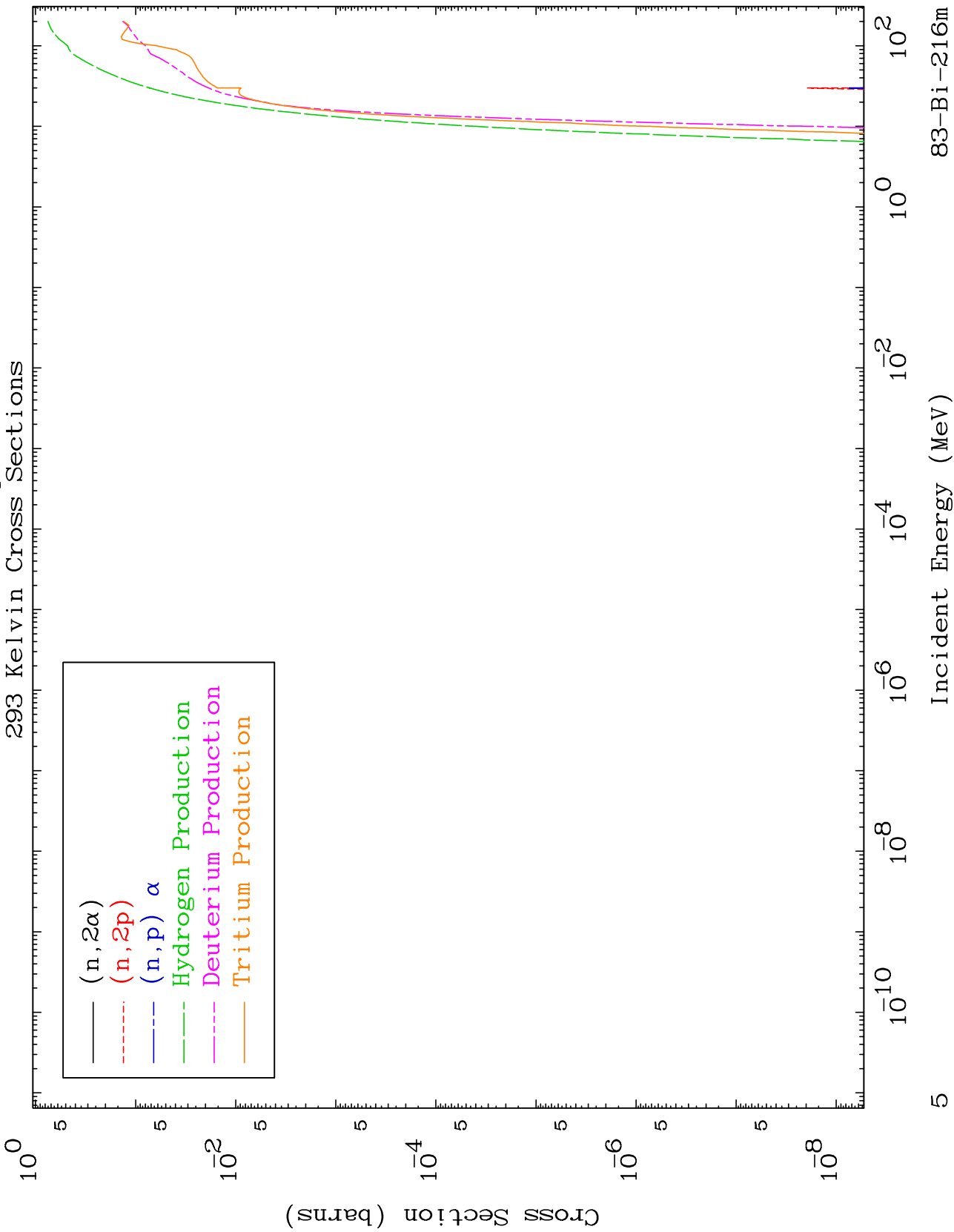
83-Bi-216m



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Neutron Absorption  
293 Kelvin Cross Sections

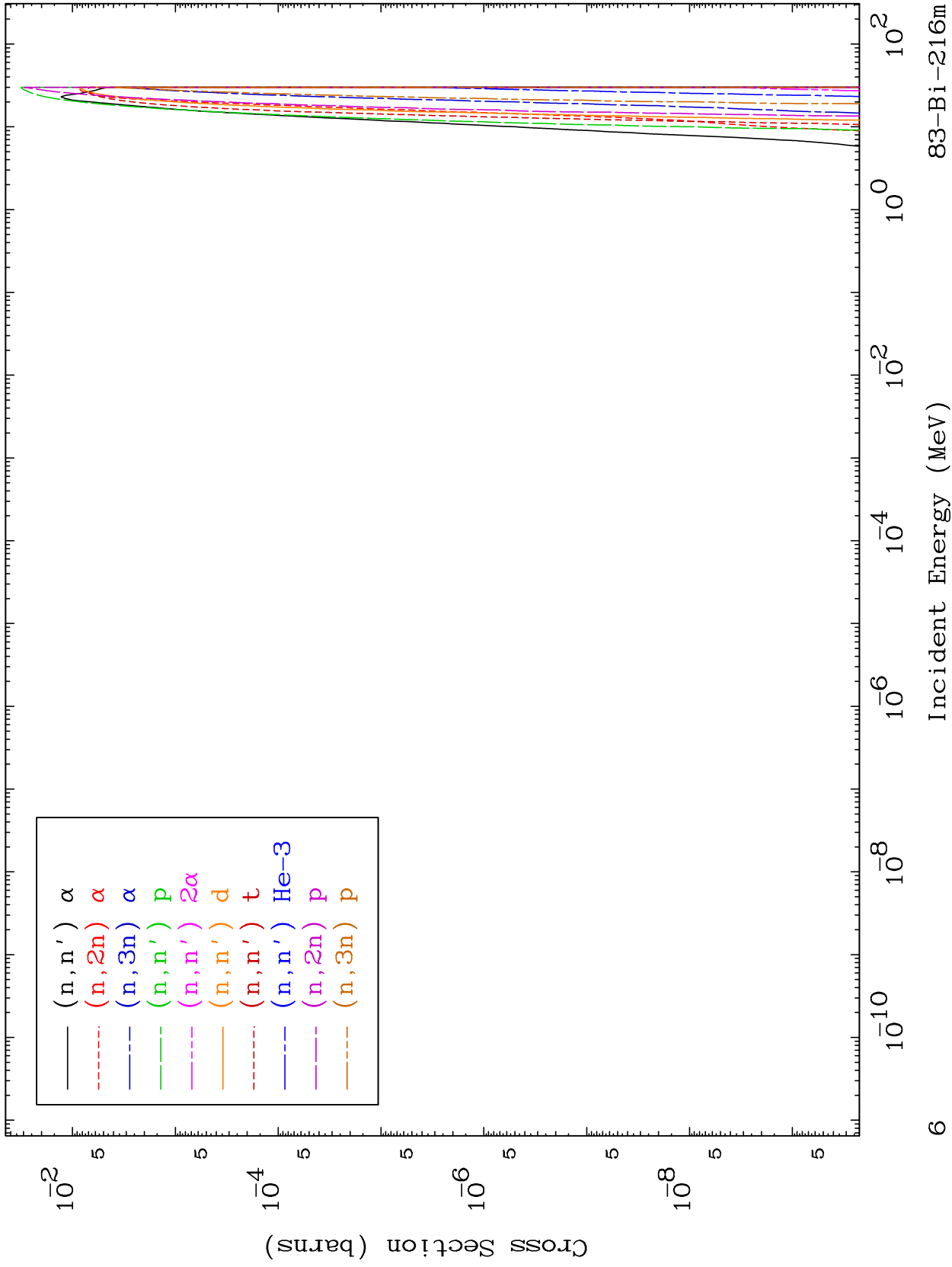
83-Bi-216m



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Charged Particle  
293 Kelvin Cross Sections

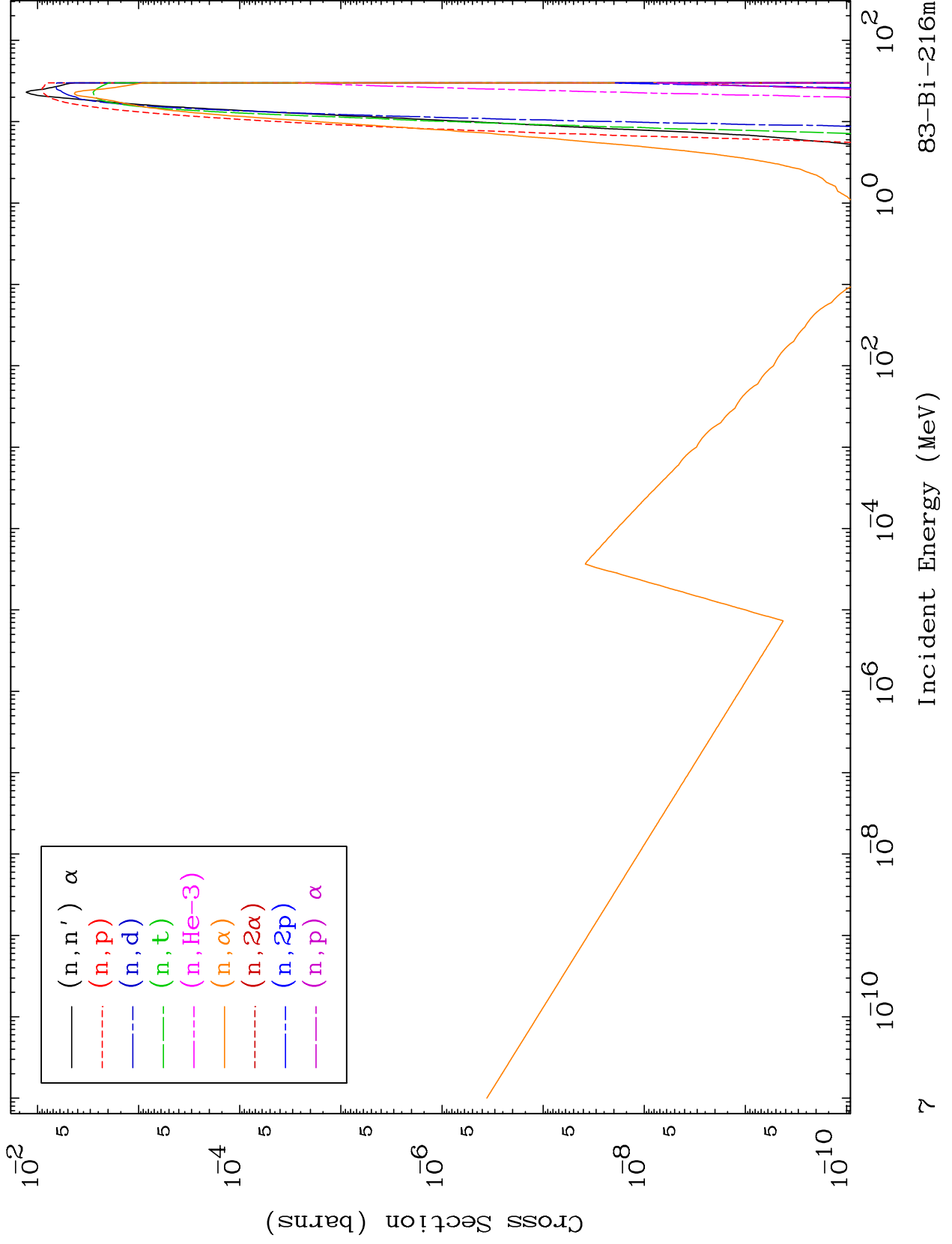
83-Bi-216m



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Charged Particle  
293 Kelvin Cross Sections

83-Bi-216m

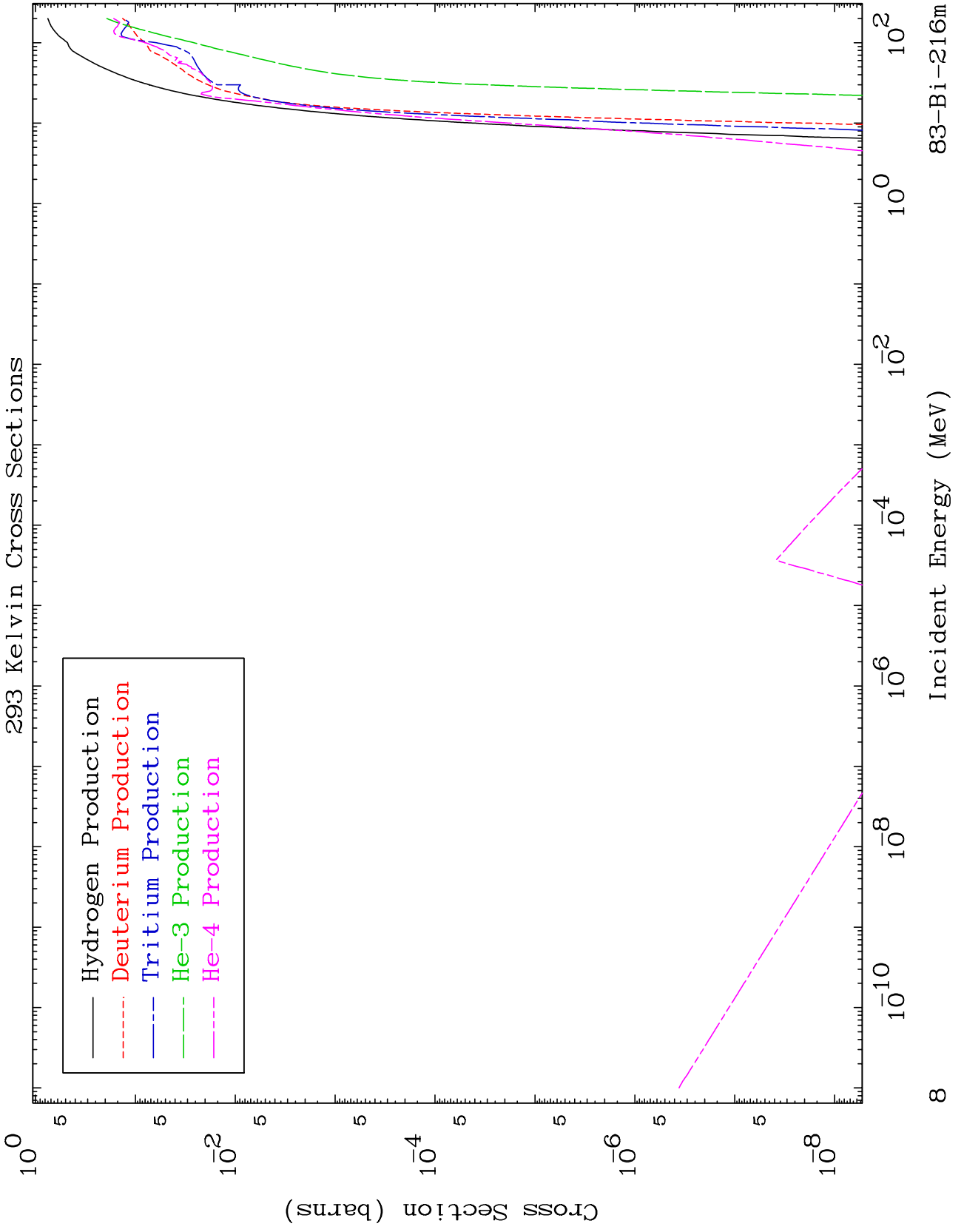




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Particle Production  
293 Kelvin Cross Sections

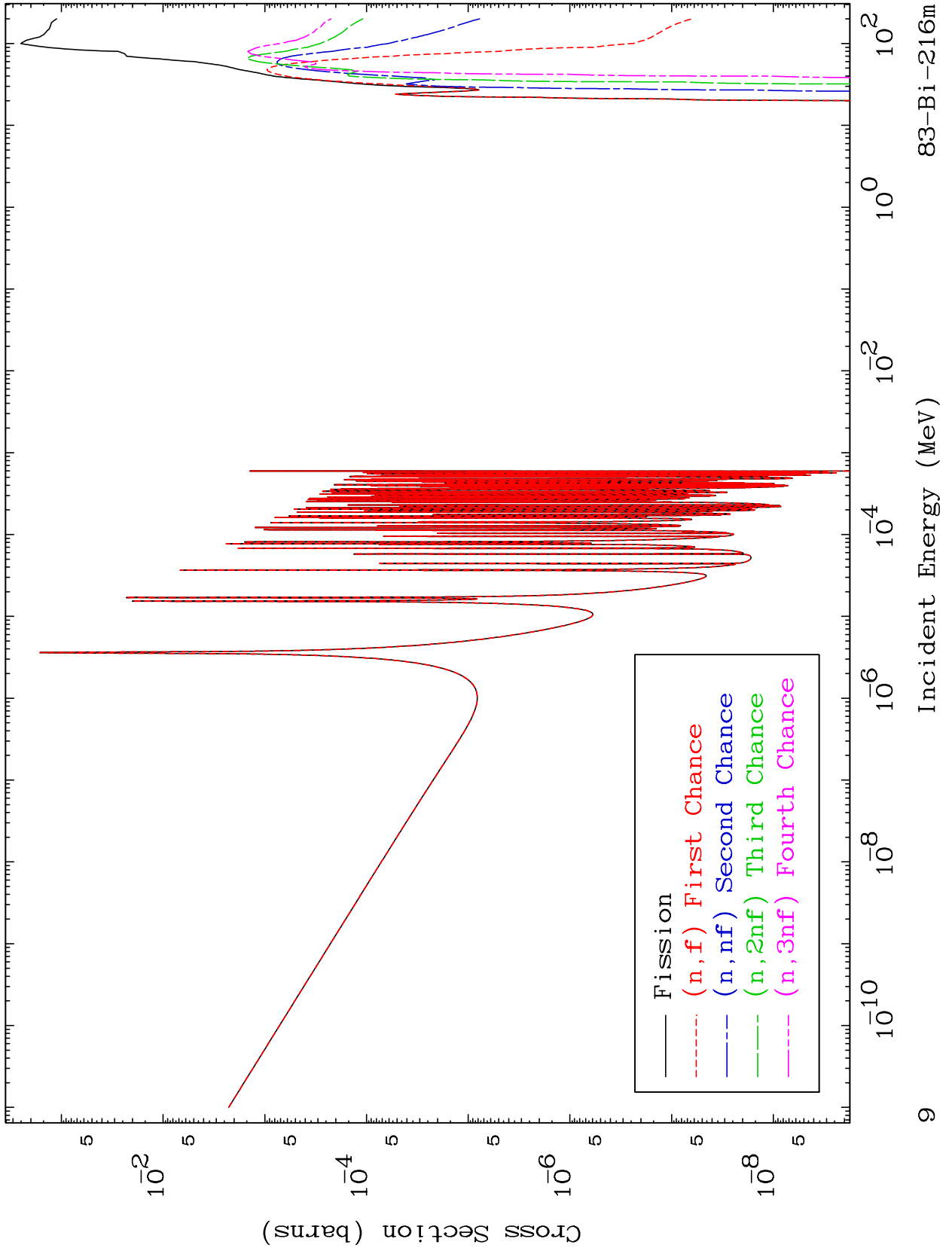
83-Bi-216m



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Fission  
293 Kelvin Cross Sections

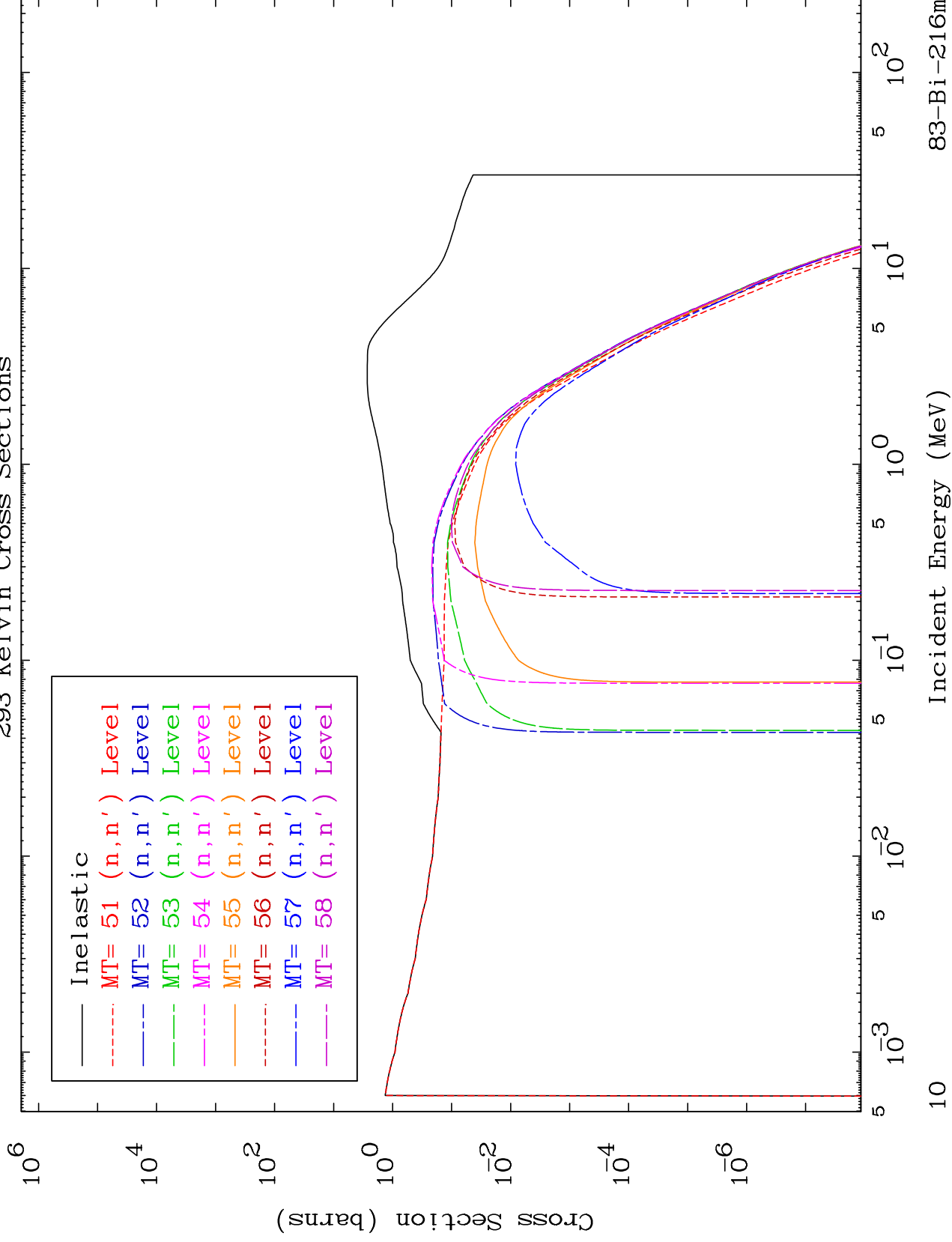
83-Bi-216m



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(n,n') Levels  
293 Kelvin Cross Sections

83-Bi-216m



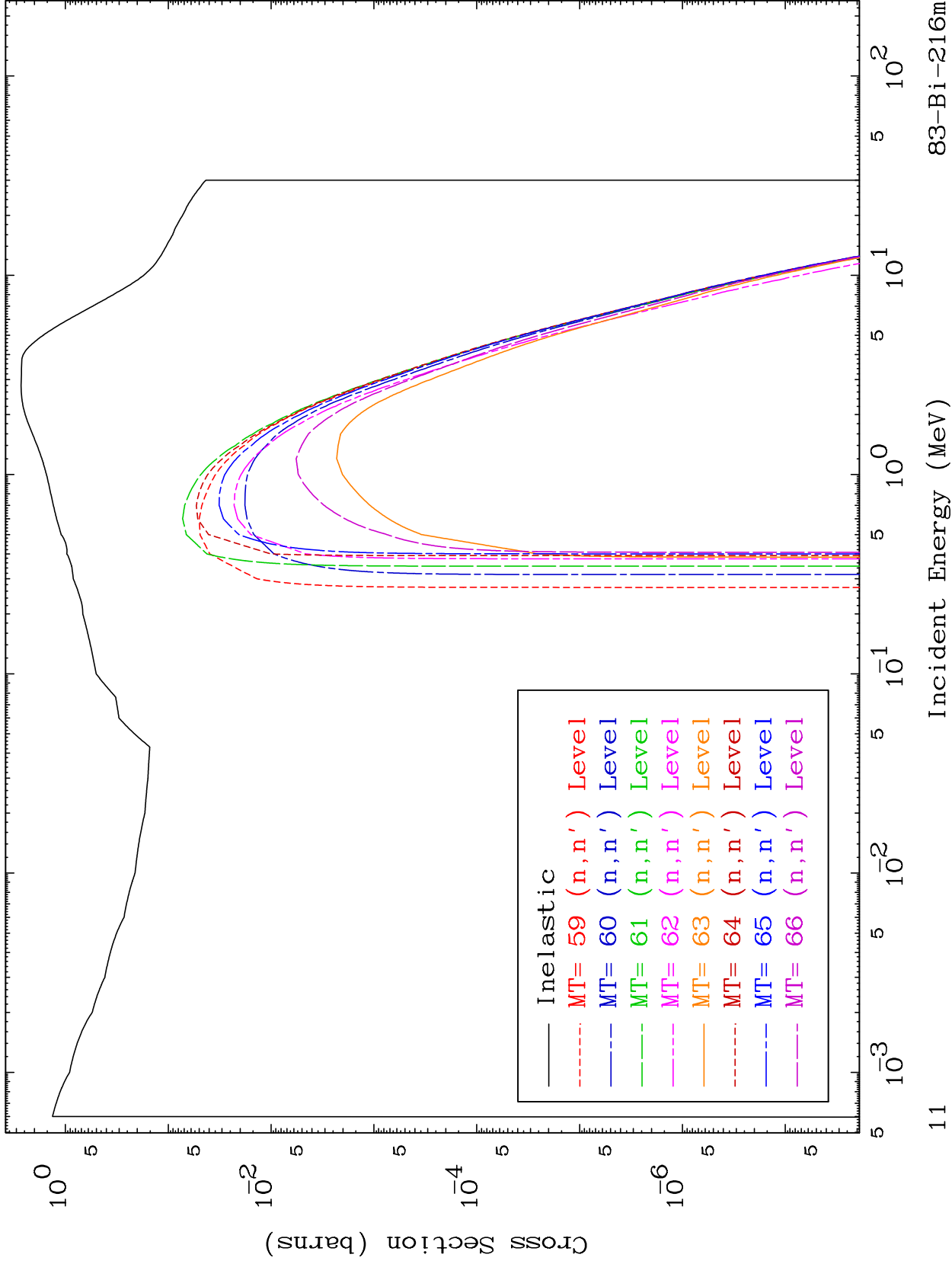
83-Bi-216m

Incident Energy (MeV)

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(n,n') Levels  
293 Kelvin Cross Sections

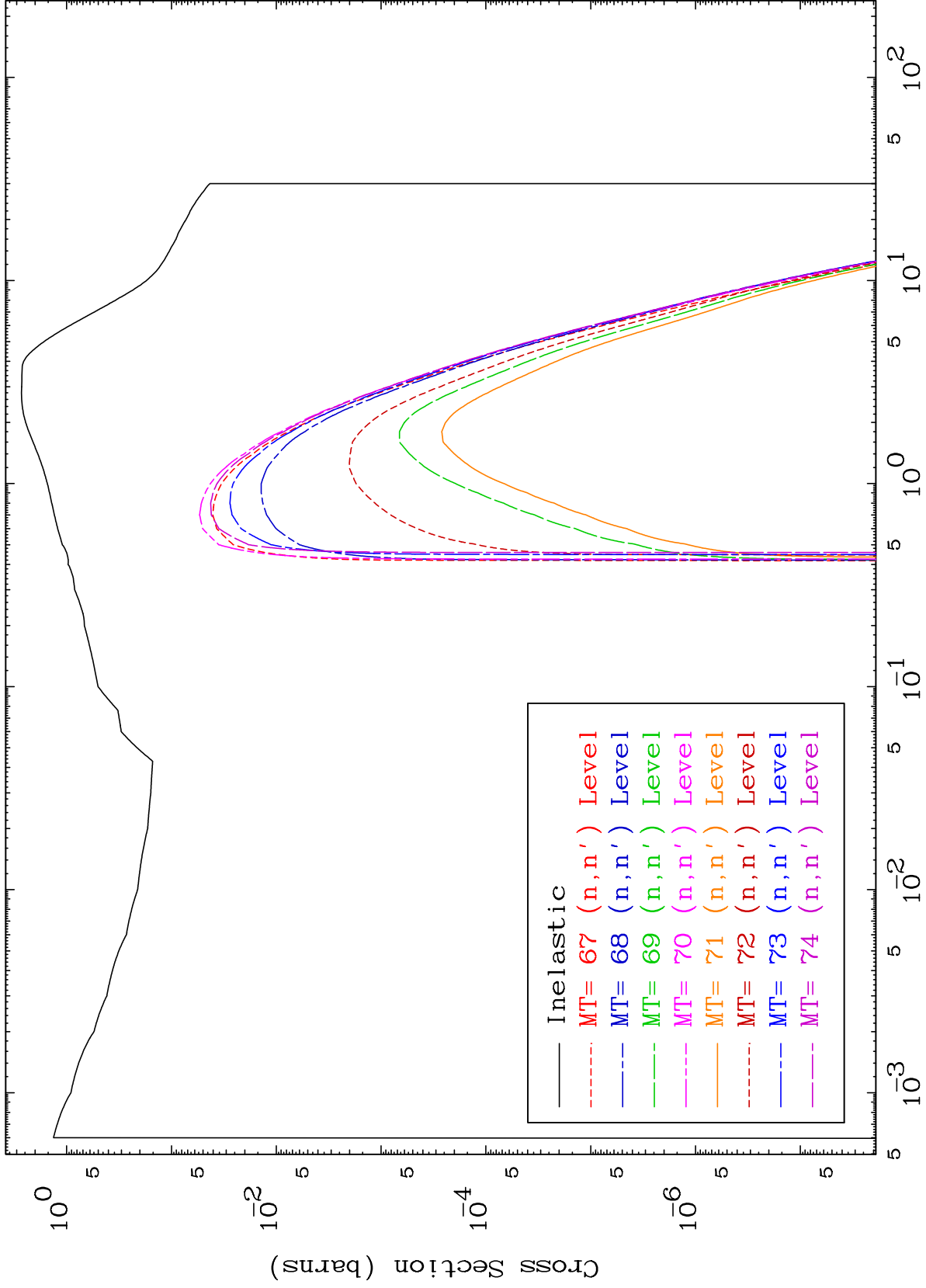
83-Bi-216m



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(n,n') Levels  
293 Kelvin Cross Sections

83-Bi-216m



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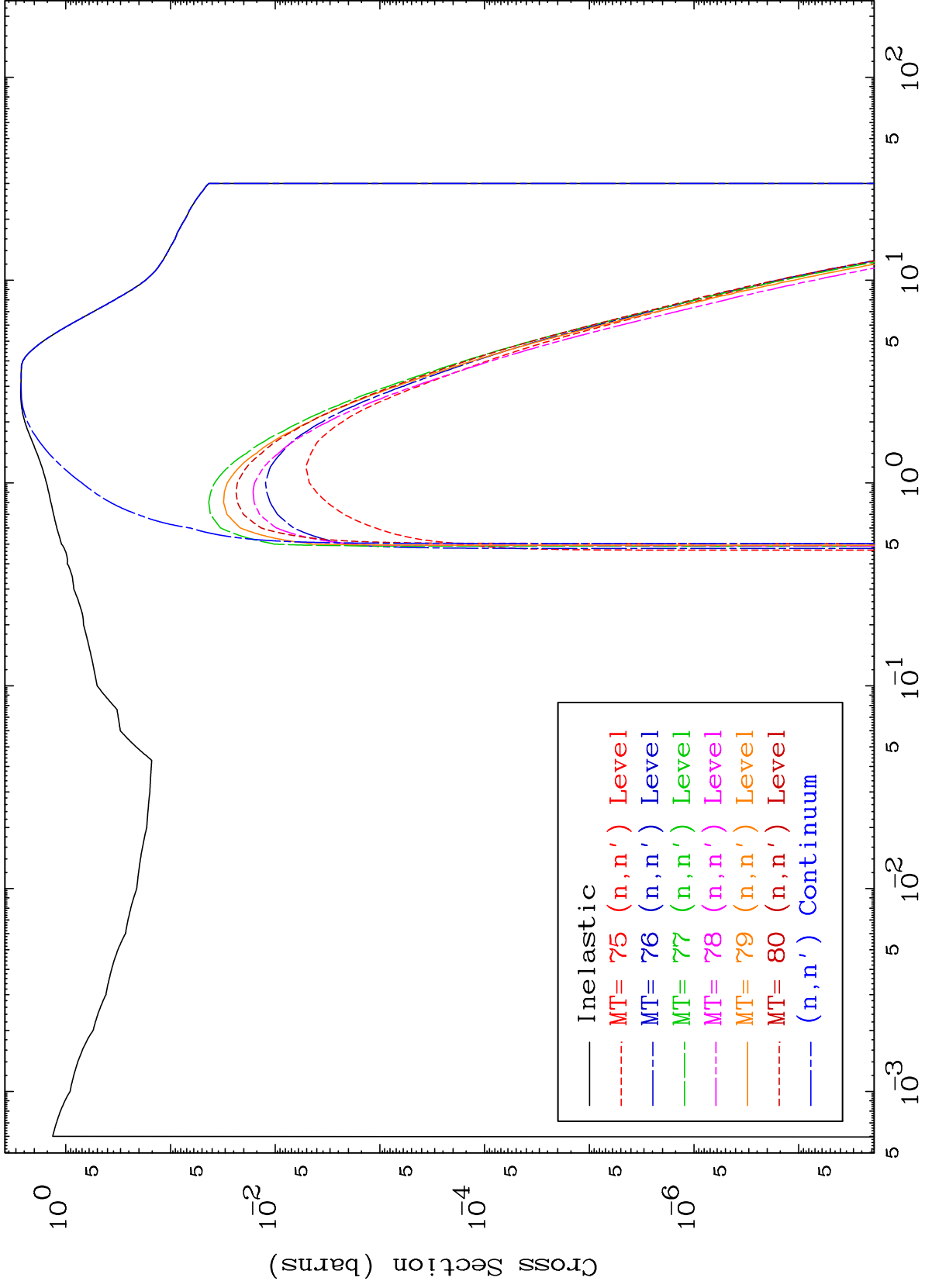
Incident Energy (MeV)

83-Bi-216m

MAT 8347

(n,n') Levels  
293 Kelvin Cross Sections

83-Bi-216m



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Incident Energy (MeV)

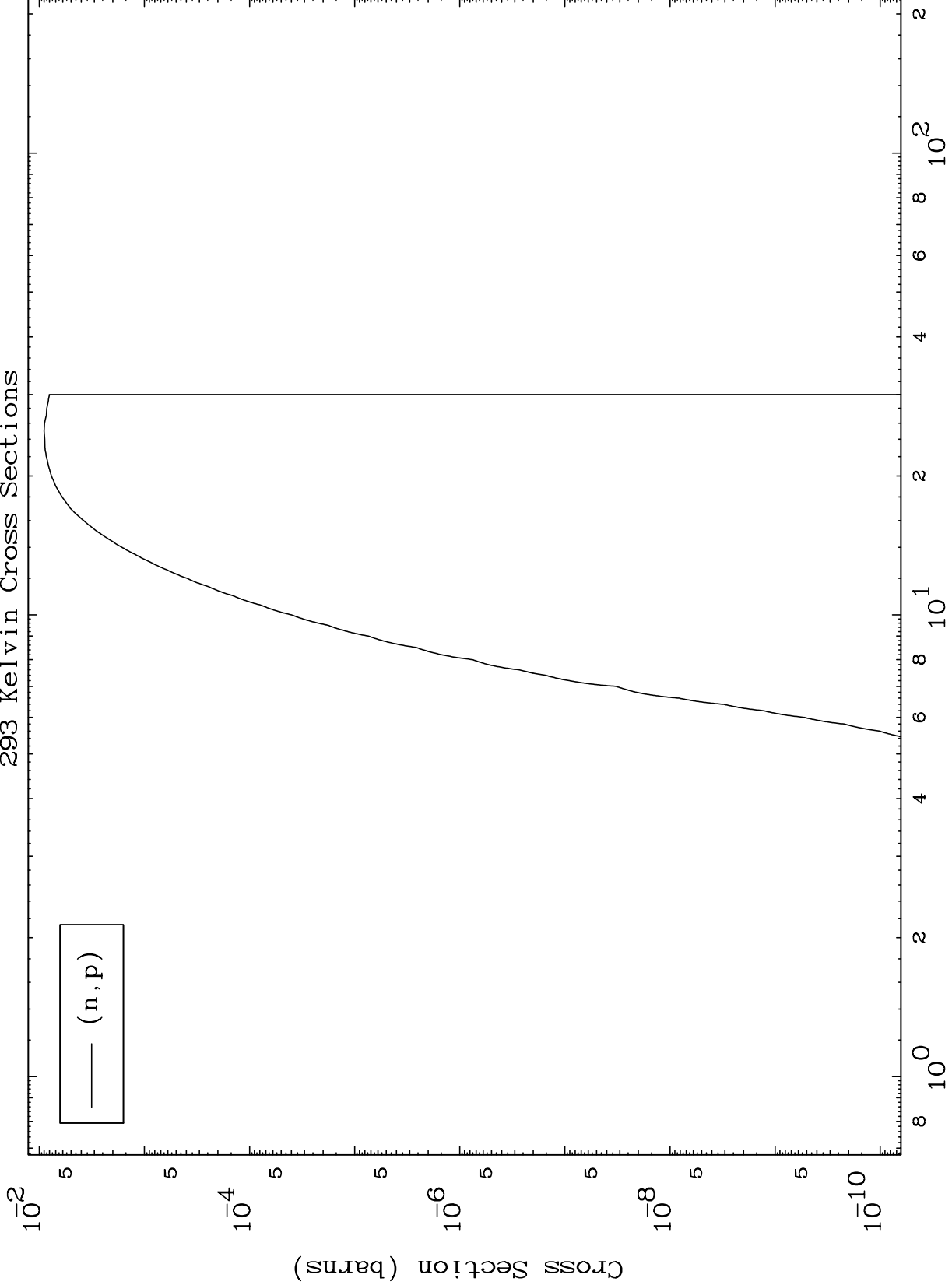
83-Bi-216m

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(n,p) Levels

83-Bi-216m

293 Kelvin Cross Sections



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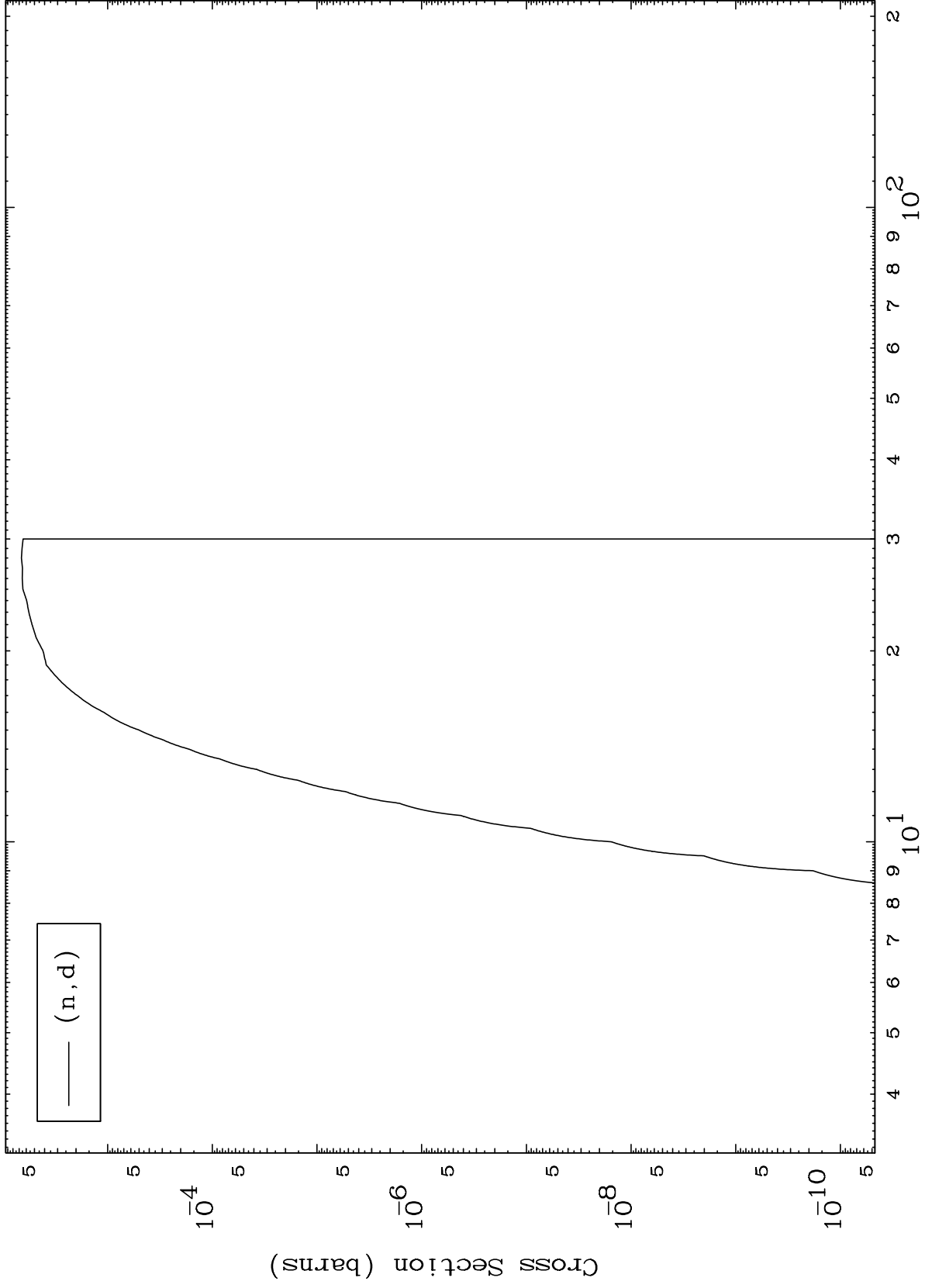
Incident Energy (MeV)

83-Bi-216m

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(n,d) Levels  
293 Kelvin Cross Sections

83-Bi-216m



15

Incident Energy (MeV)

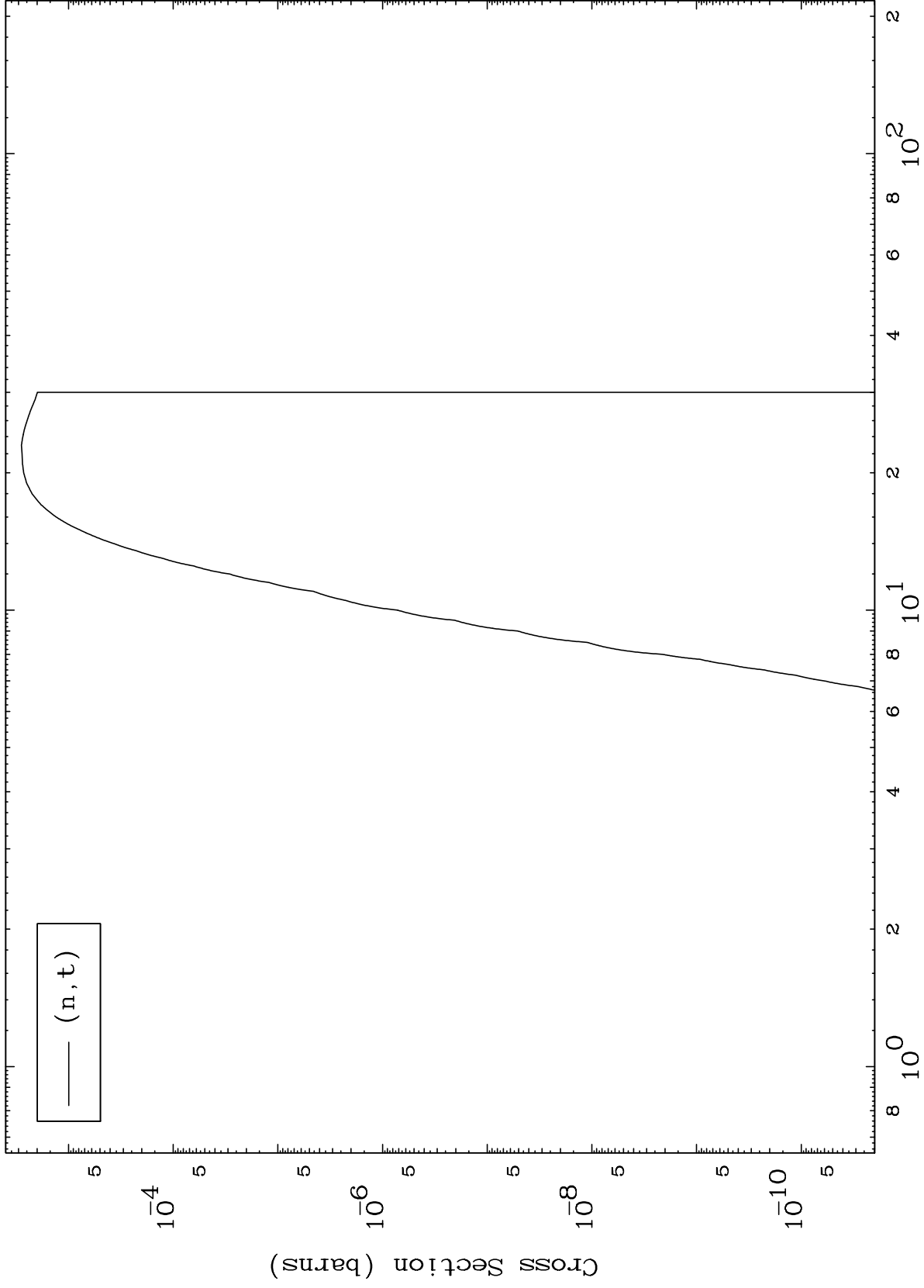
83-Bi-216m



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(n,t) Levels  
293 Kelvin Cross Sections

83-Bi-216m



16

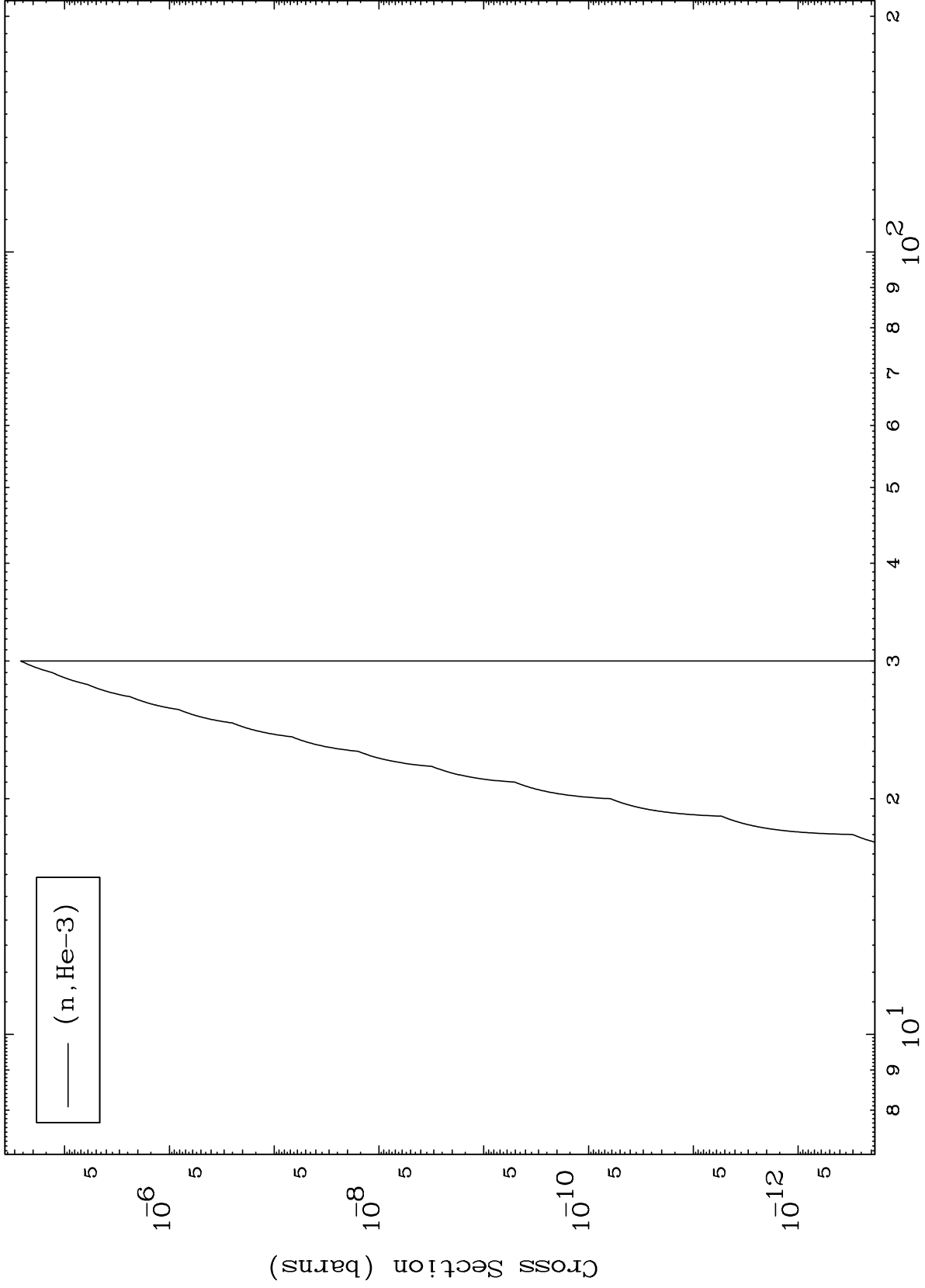
Incident Energy (MeV)

83-Bi-216m

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(n,He3) Levels  
293 Kelvin Cross Sections

83-Bi-216m



17

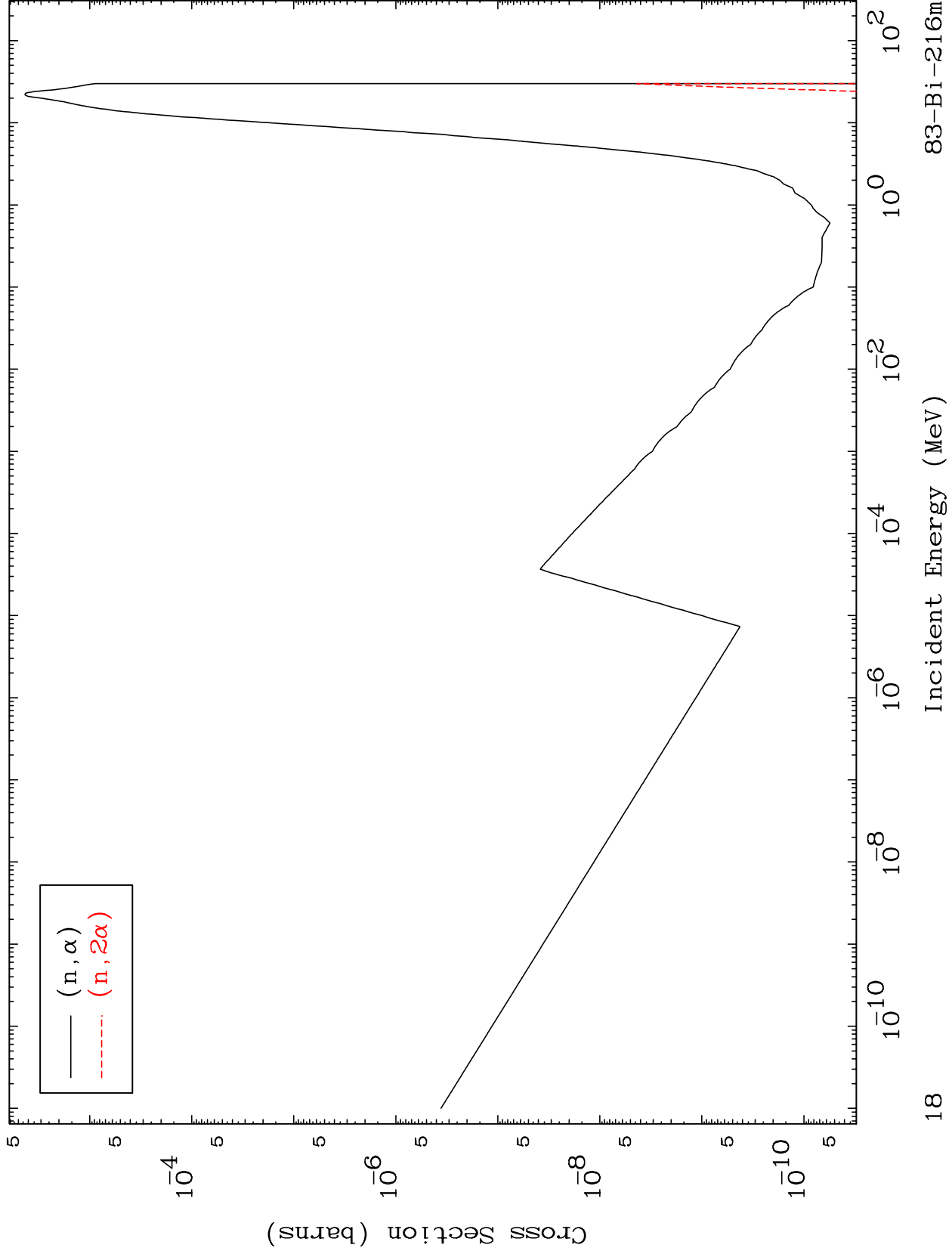
Incident Energy (MeV)

83-Bi-216m

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

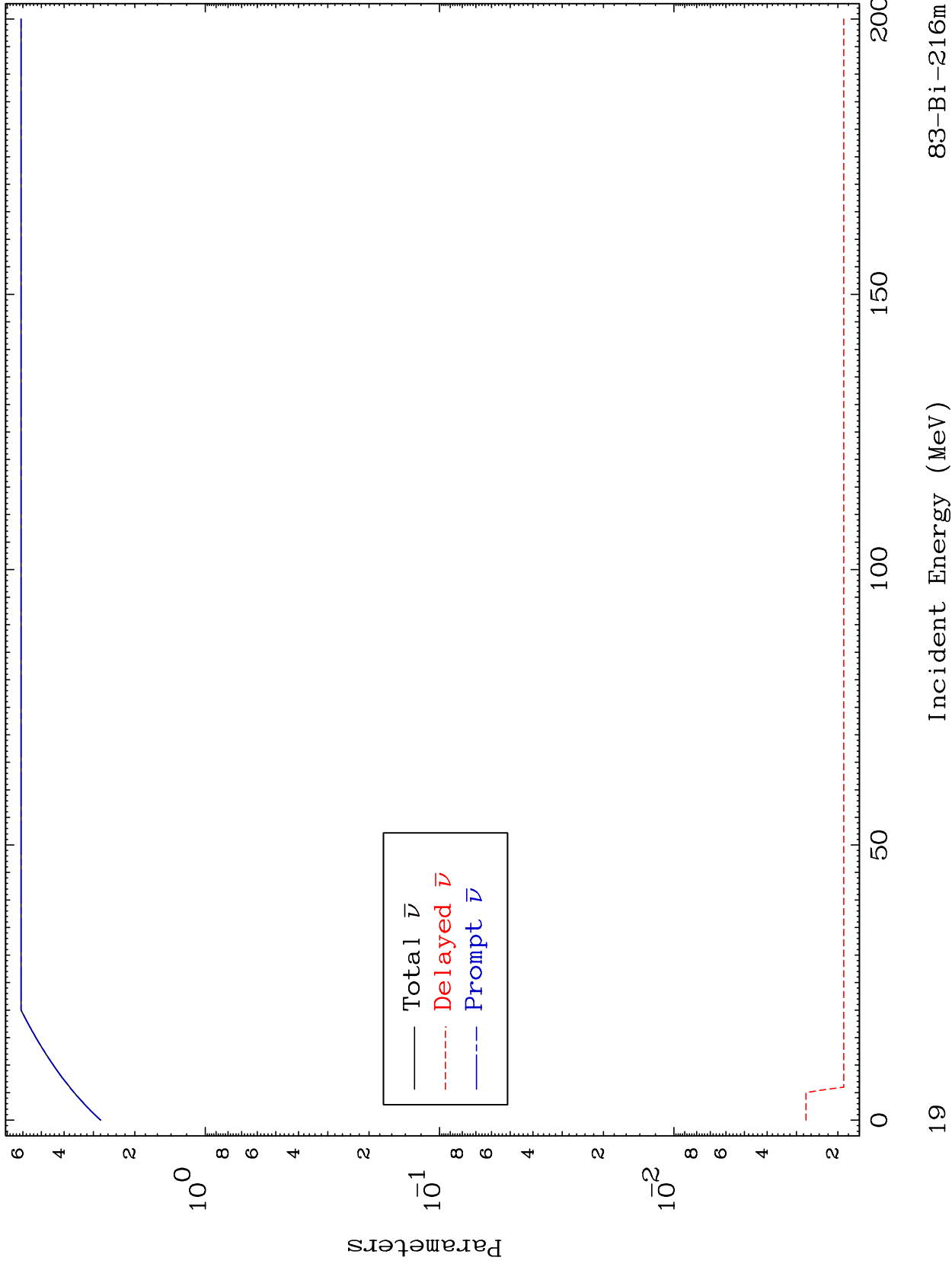
83-Bi-216m



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Energy Release  
Parameters

$^{83}\text{Bi}-216\text{m}$



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Incident Energy (MeV)

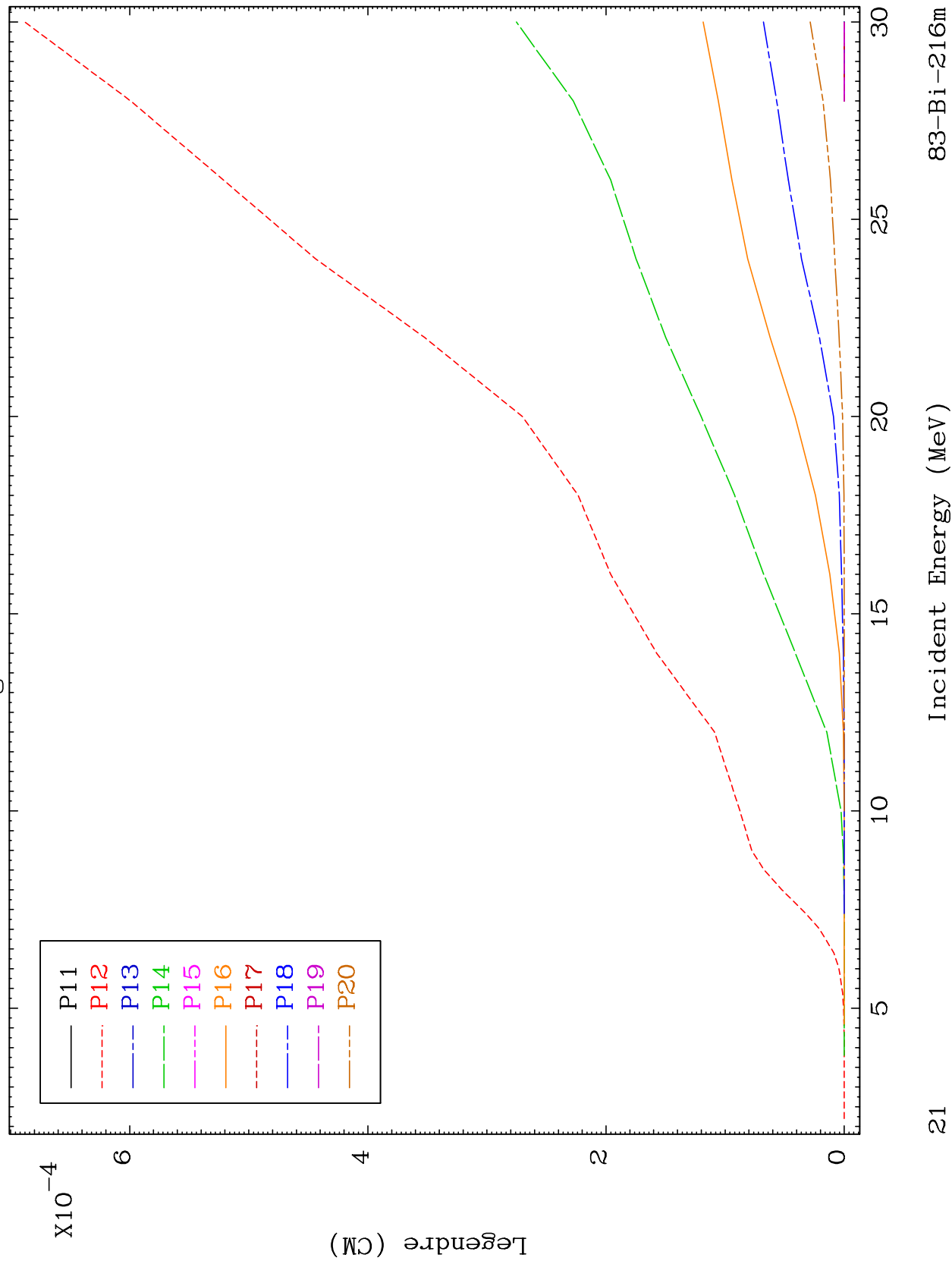
$^{83}\text{Bi}-216\text{m}$



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Elastic Legendre Coefficients

<sup>83</sup>Bi-<sup>216</sup>m



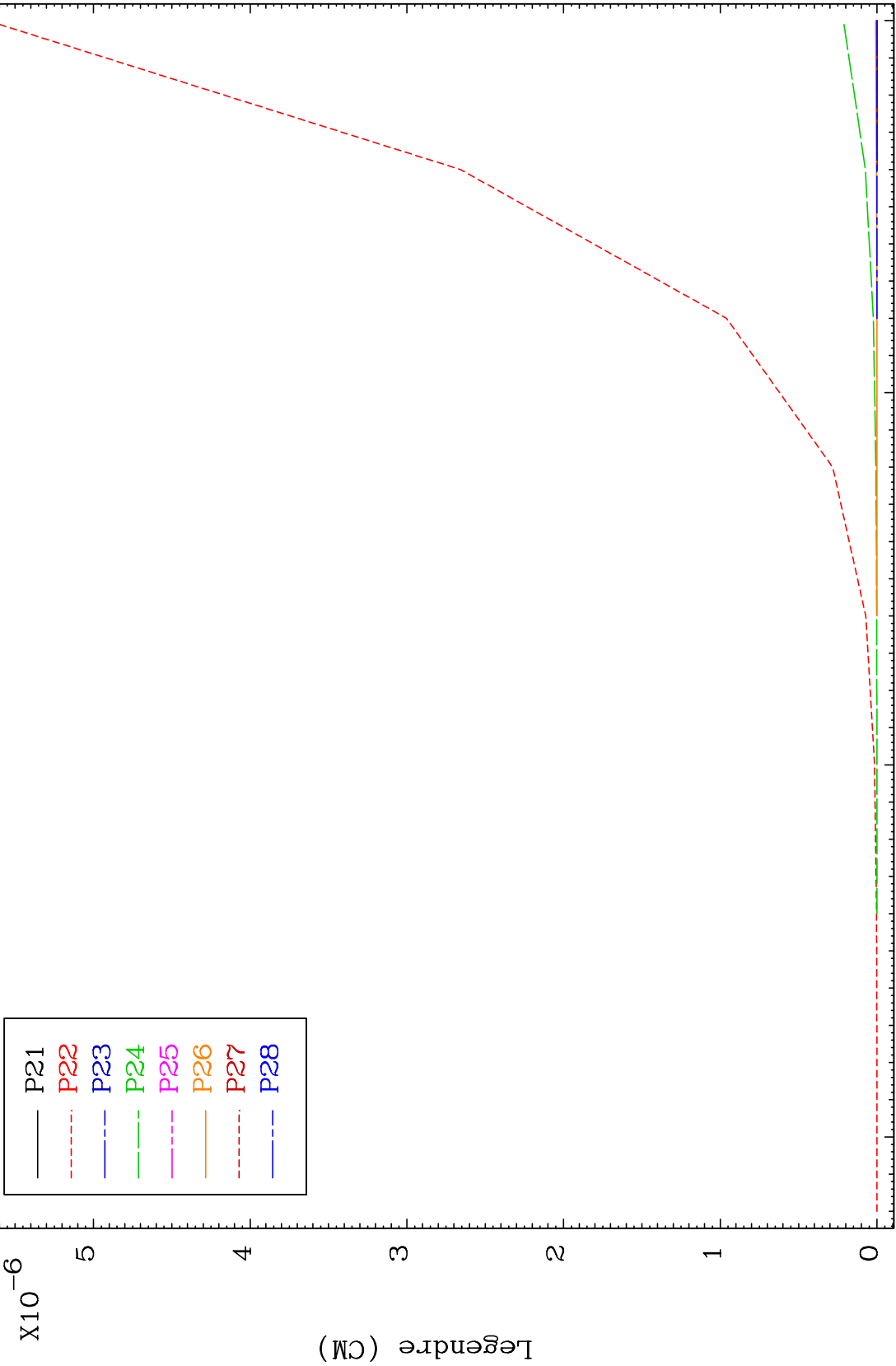
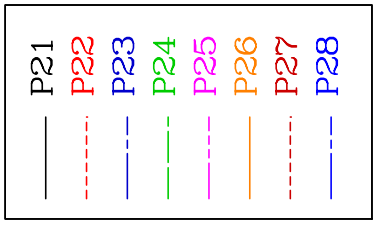
21

<sup>83</sup>Bi-<sup>216</sup>m

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Elastic Legendre Coefficients

83-Bi-216m



22

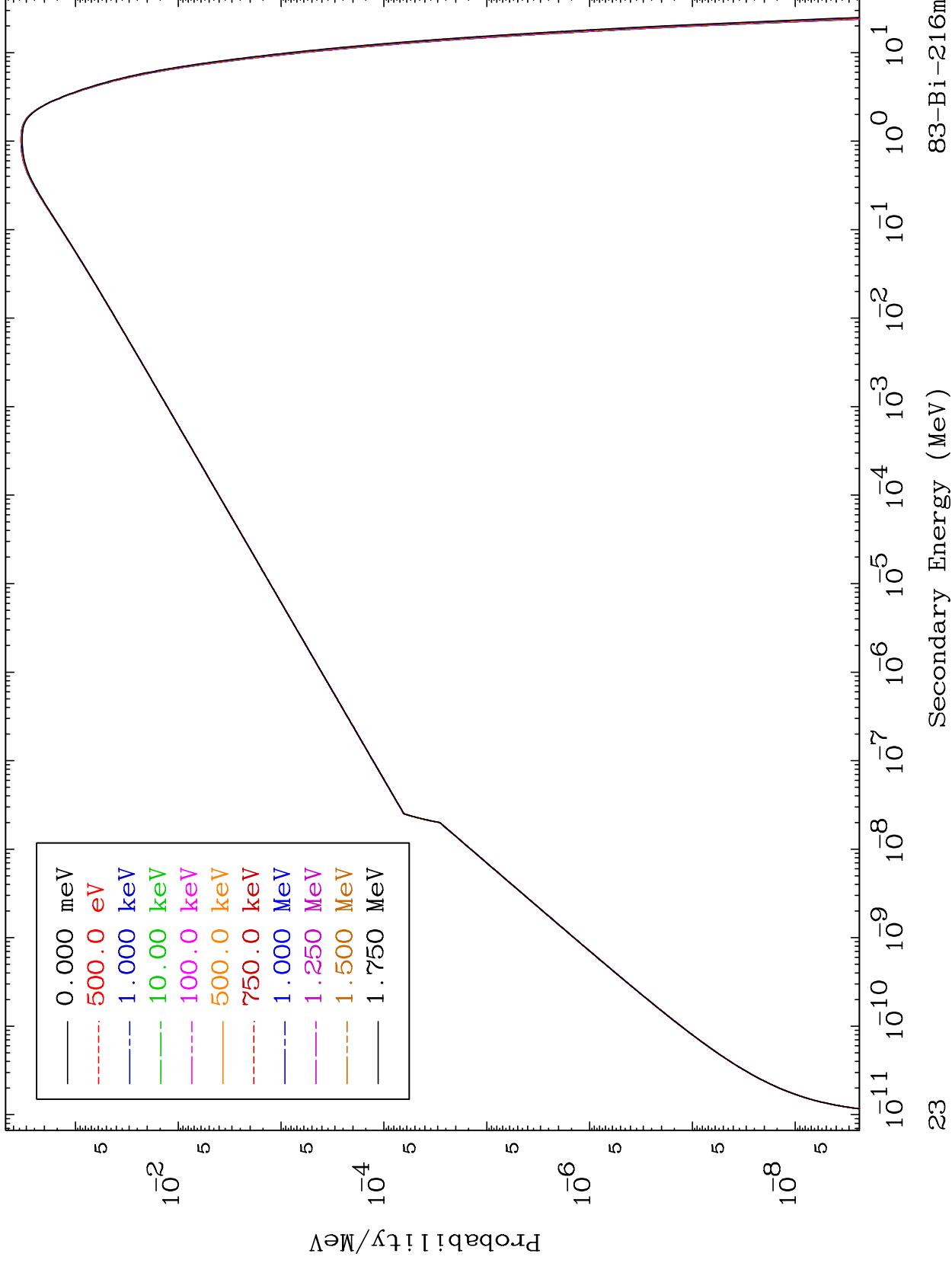
Incident Energy (MeV)

83-Bi-216m

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### Fission Energy Distributions

<sup>83</sup>Bi-216m



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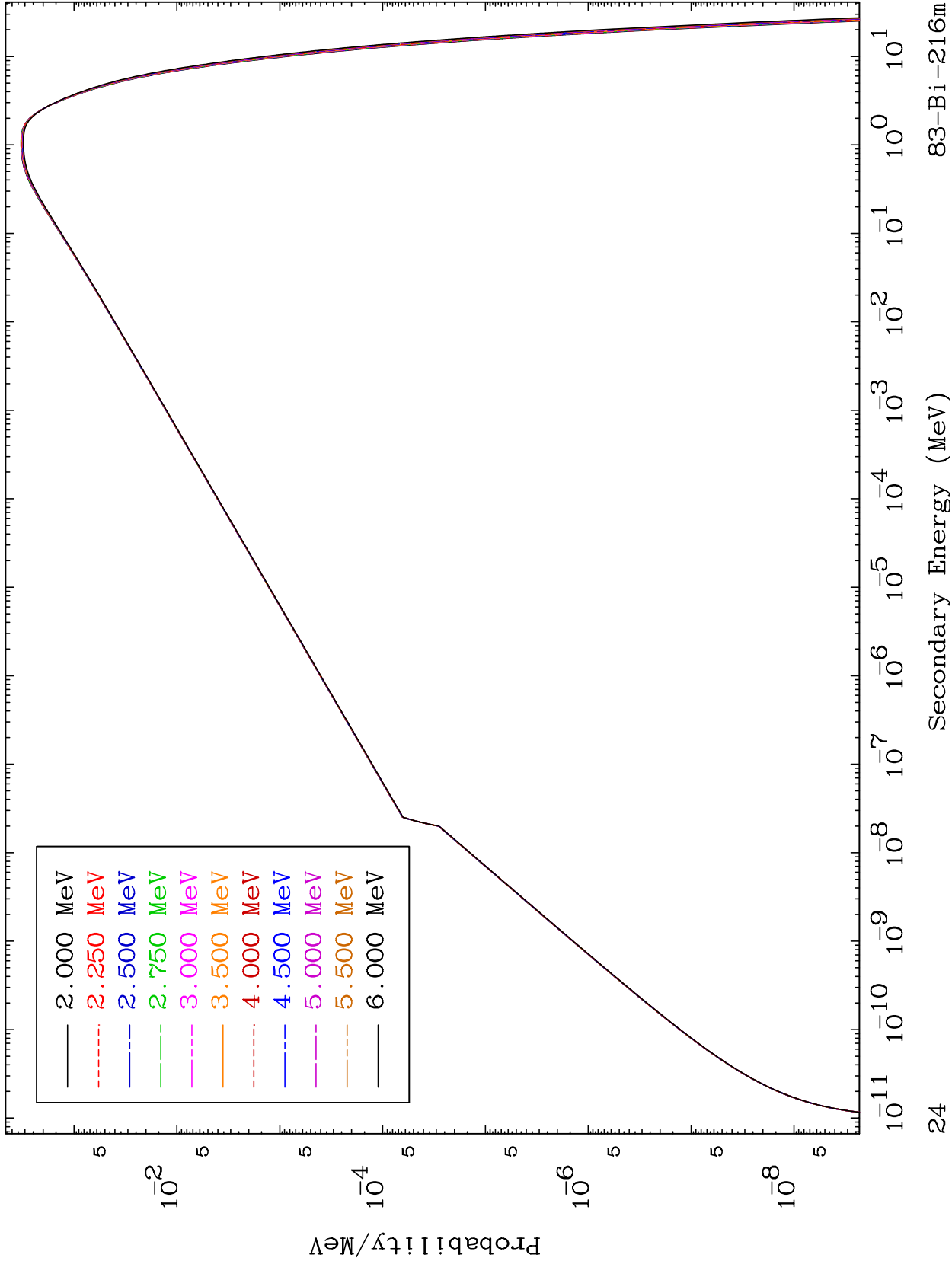
<sup>83</sup>Bi-216m



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### Fission Energy Distributions

<sup>83</sup>Bi-216m



<sup>83</sup>Bi-216m

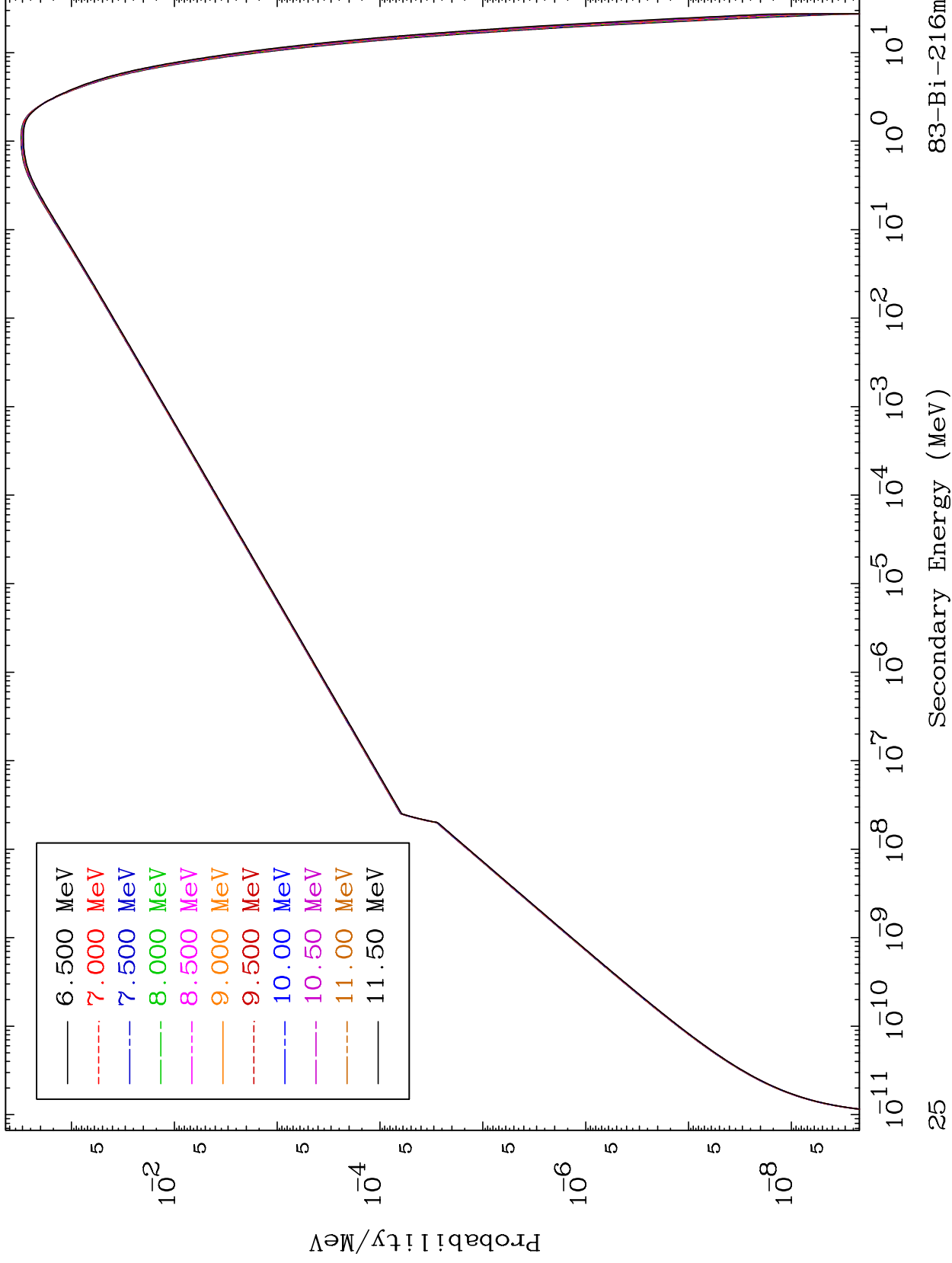
Secondary Energy (MeV)

24

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### Fission Energy Distributions

<sup>83</sup>Bi-216m



<sup>83</sup>Bi-216m

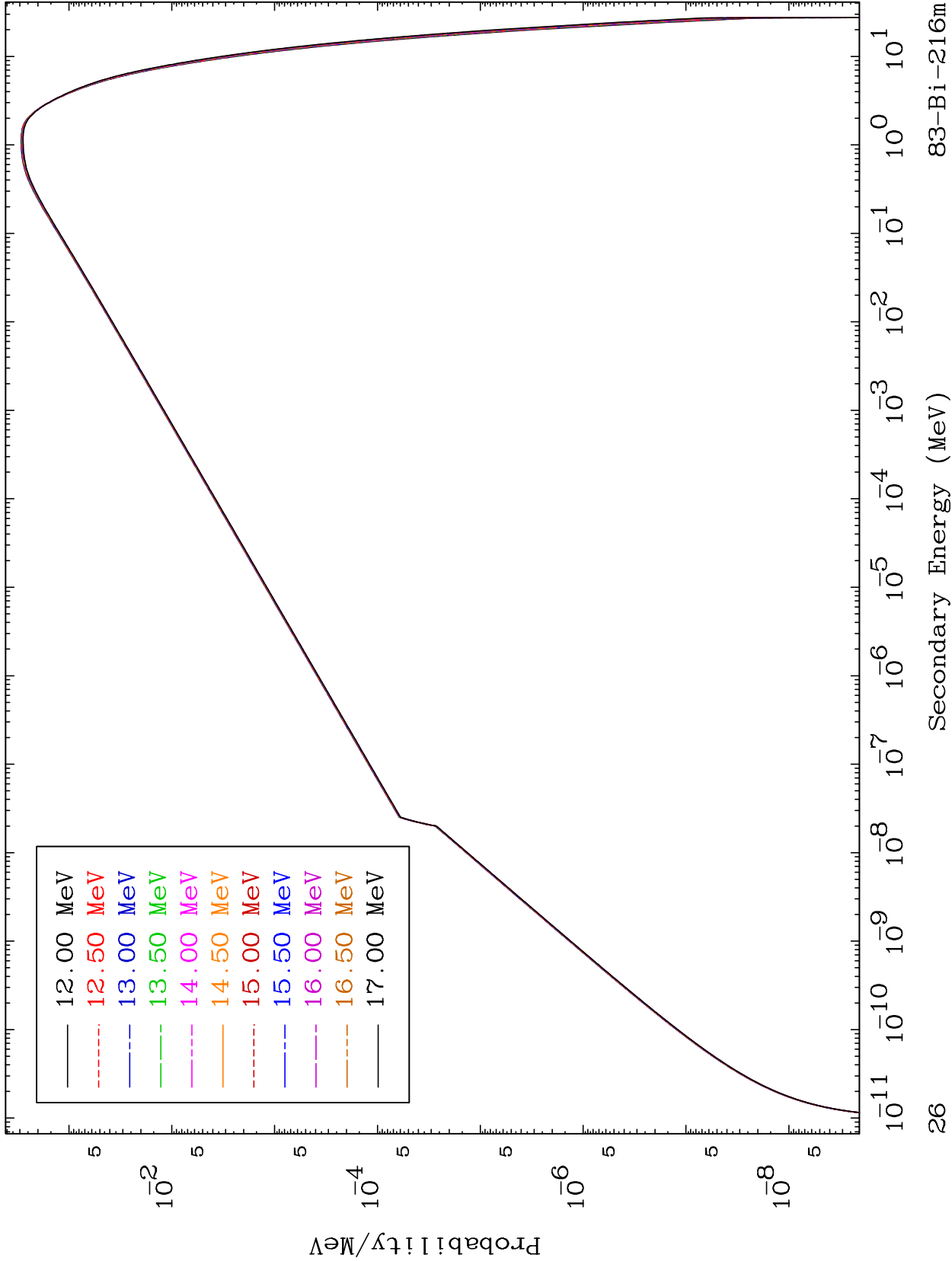
Secondary Energy (MeV)

25

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### Fission Energy Distributions

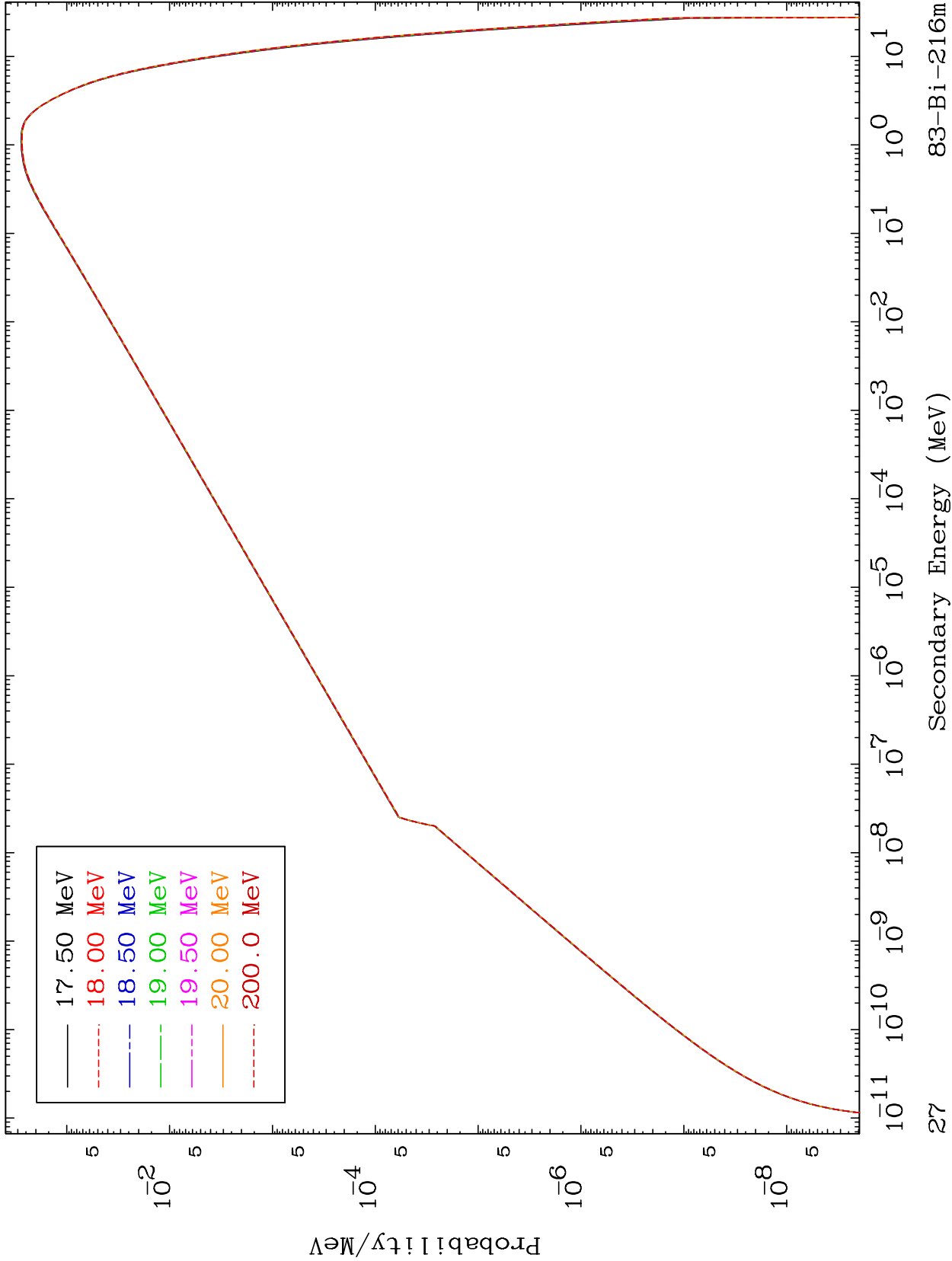
<sup>83</sup>Bi-216m



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### Fission Energy Distributions

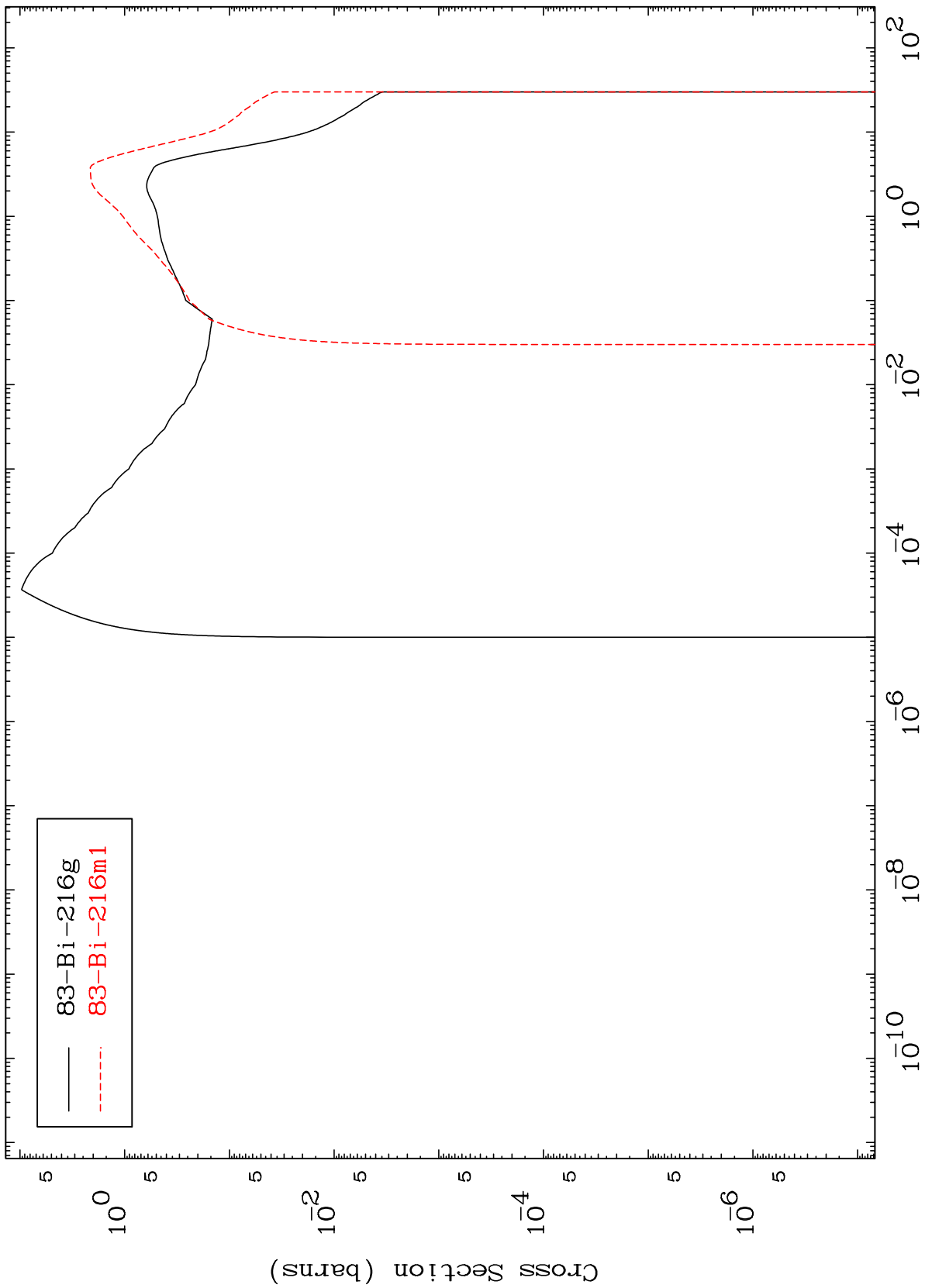
<sup>83</sup>Bi-216m



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83-Bi-216m

Inelastic  
Radionuclide Production Cross Section



— 83-Bi-216g  
- - - 83-Bi-216m1

Incident Energy (MeV)

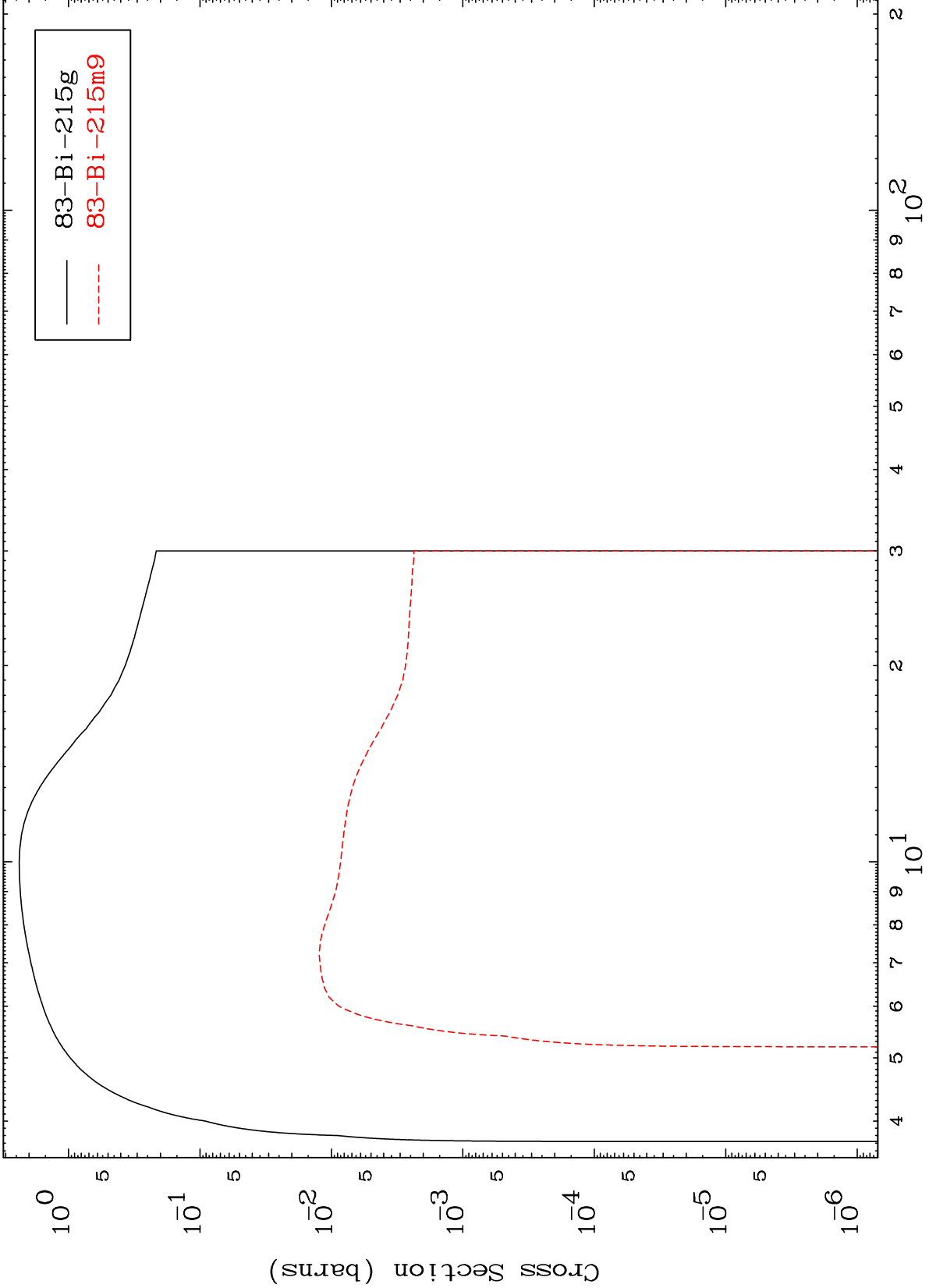
83-Bi-216m

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(n,2n)

83-Bi-216m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

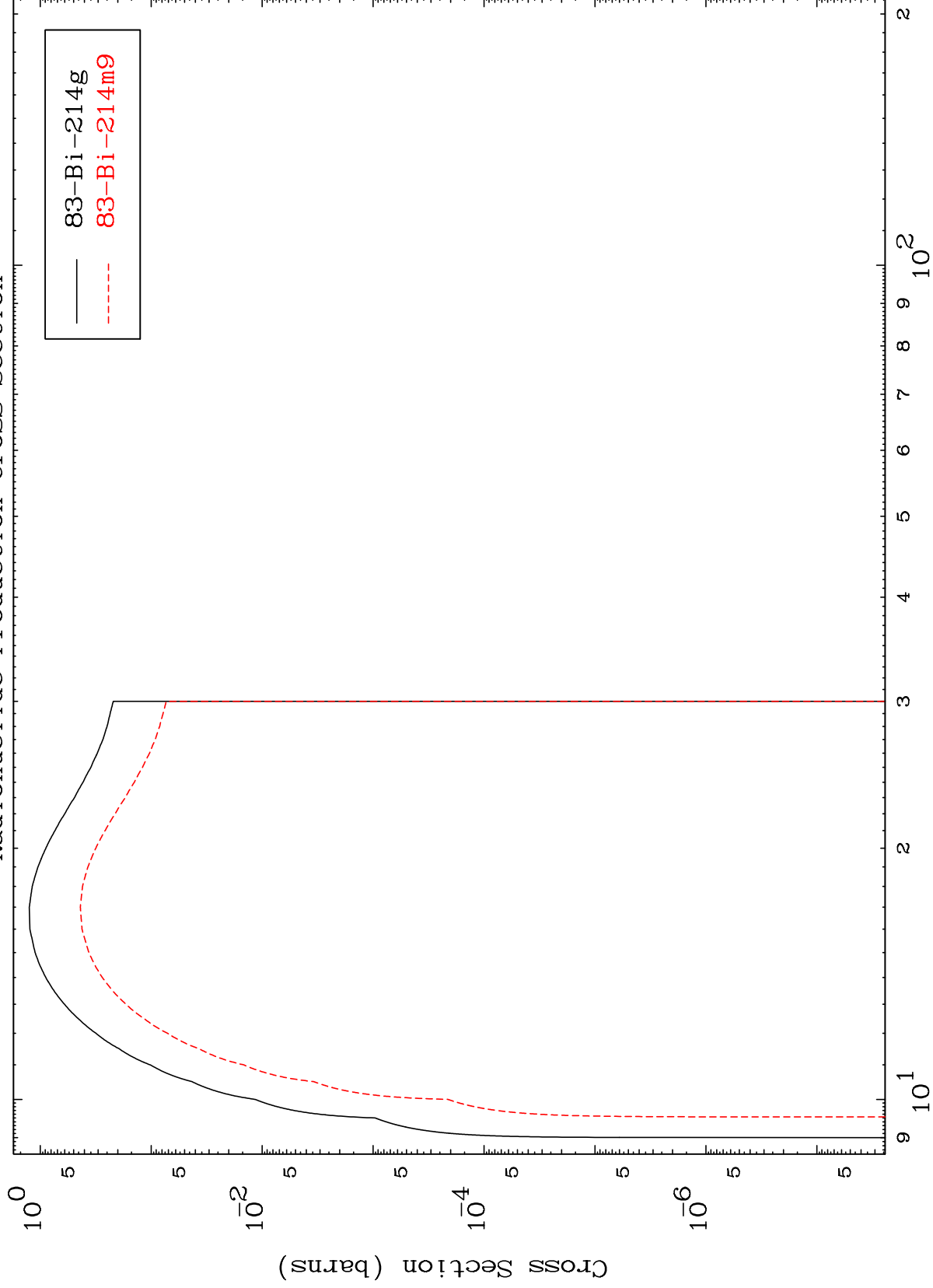
83-Bi-216m

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(n,3n)

83-Bi-216m

Radionuclide Production Cross Section



Incident Energy (MeV)

83-Bi-216m

30