

Program EVALPLOT  
(Version 2021-1)

by

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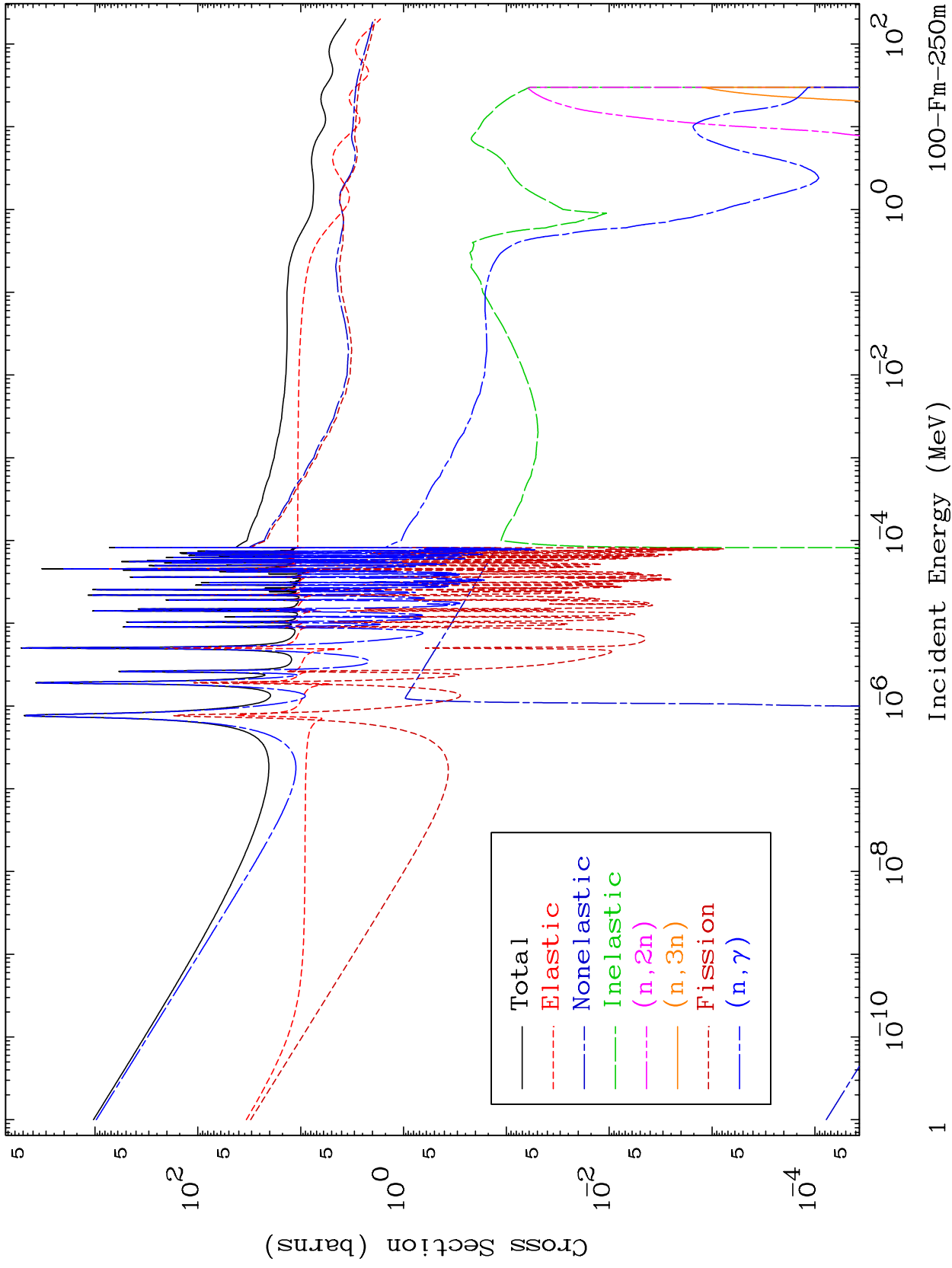
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9936

Neutron Major  
293 Kelvin Cross Sections

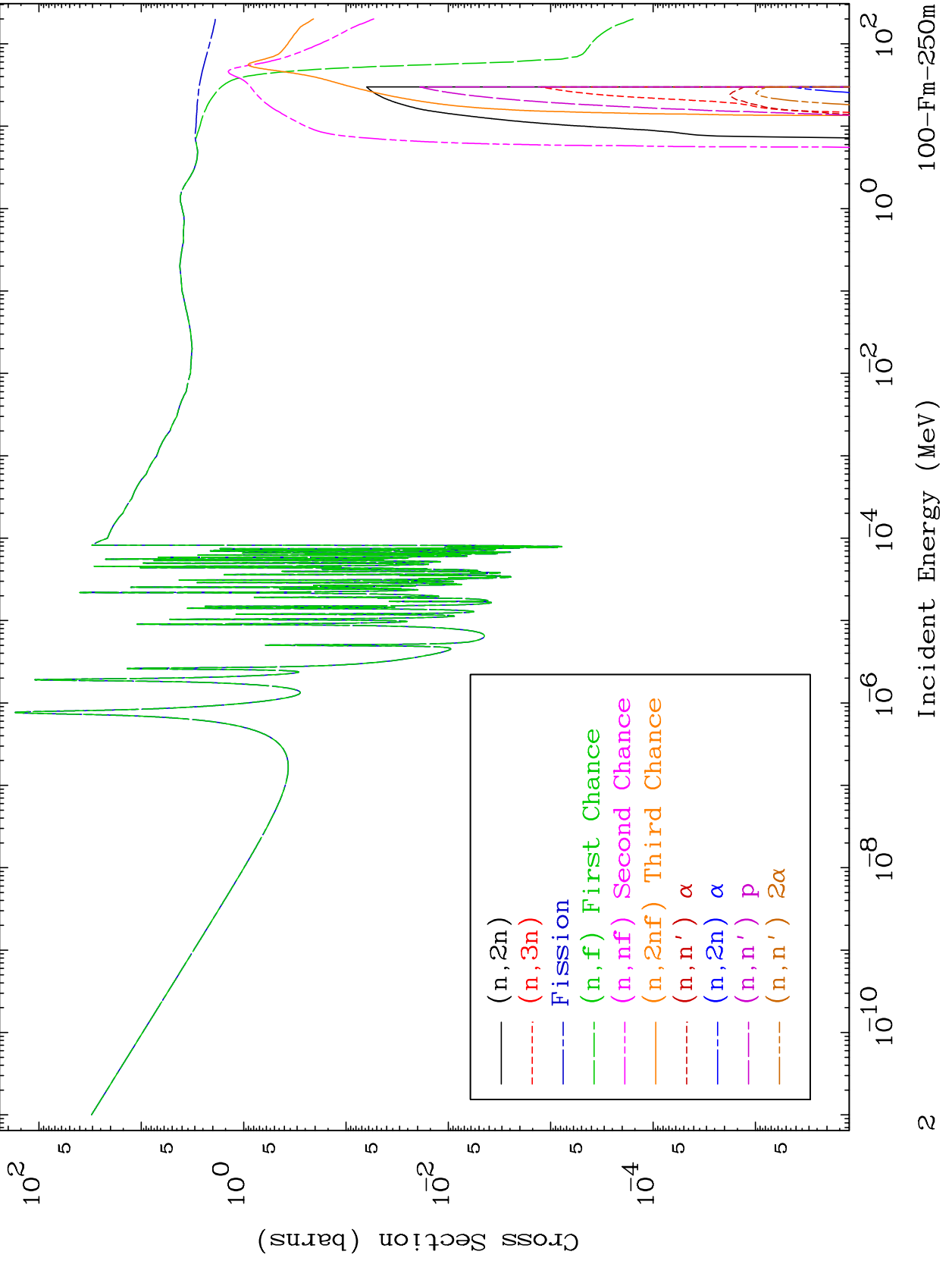
100-Fm-250m



MAT 9936

Neutron Absorption  
293 Kelvin Cross Sections

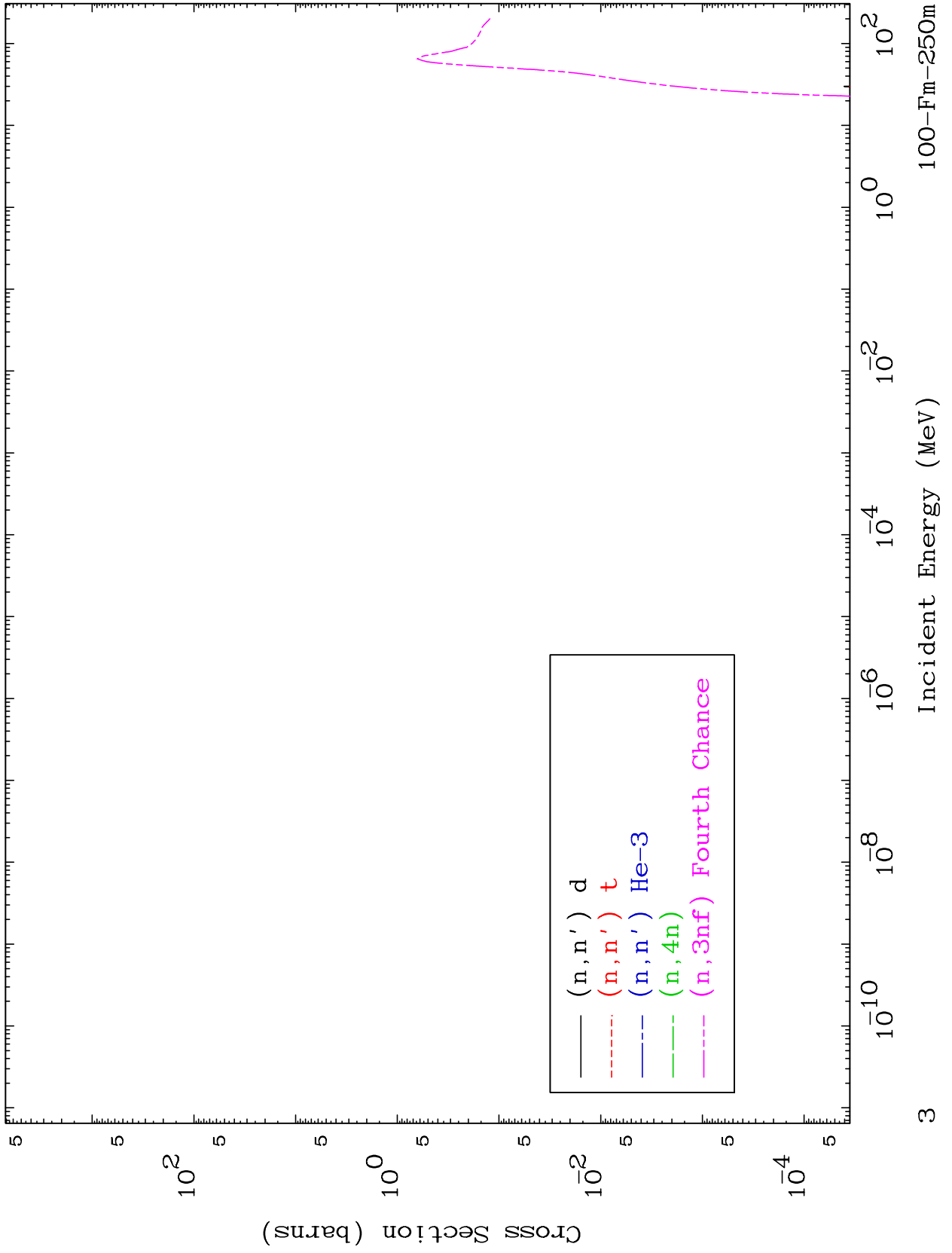
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MAT 9936

Neutron Absorption  
293 Kelvin Cross Sections

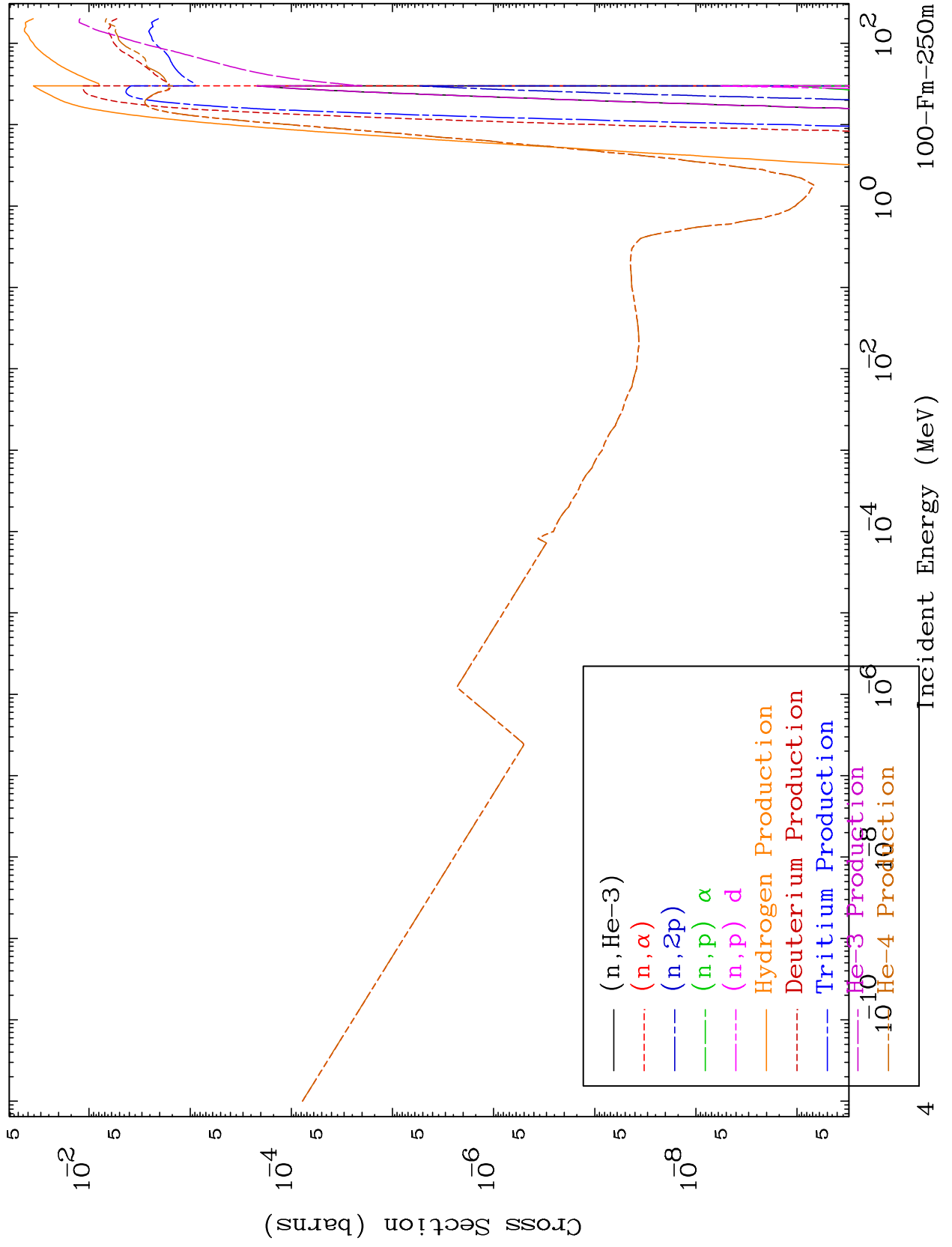
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Neutron Absorption  
293 Kelvin Cross Sections

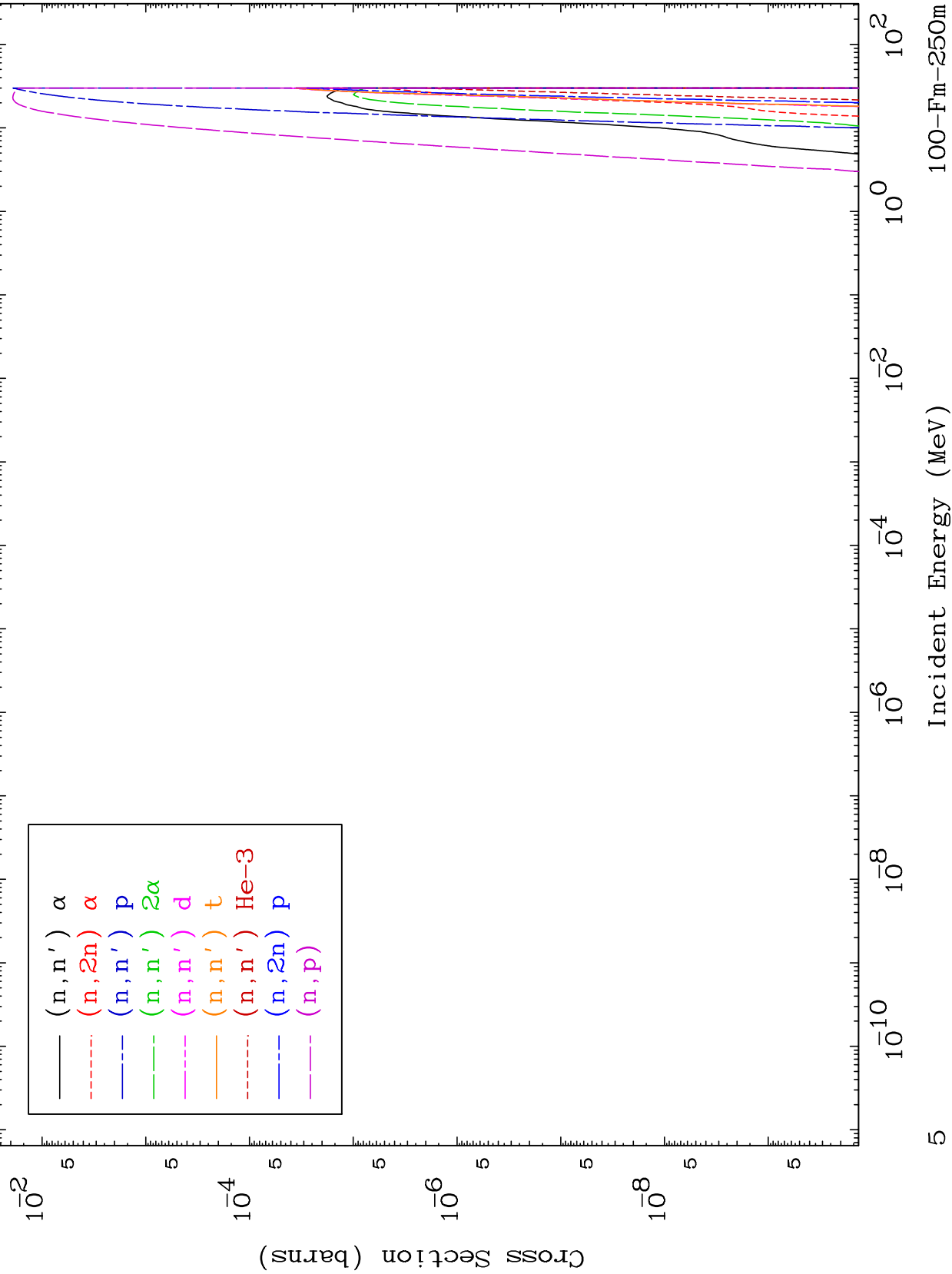
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MAT 9936

Charged Particle  
293 Kelvin Cross Sections

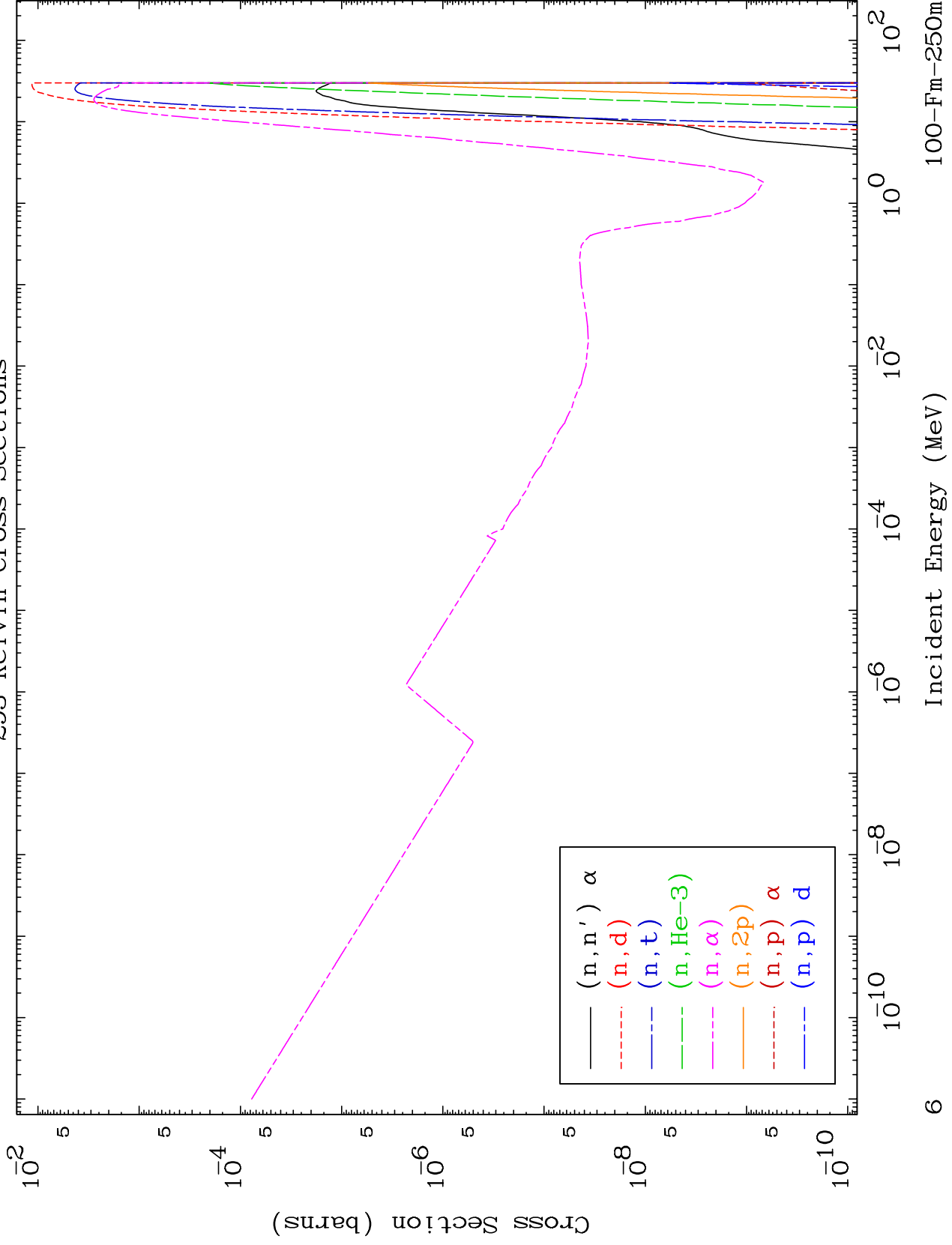
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Charged Particle  
293 Kelvin Cross Sections

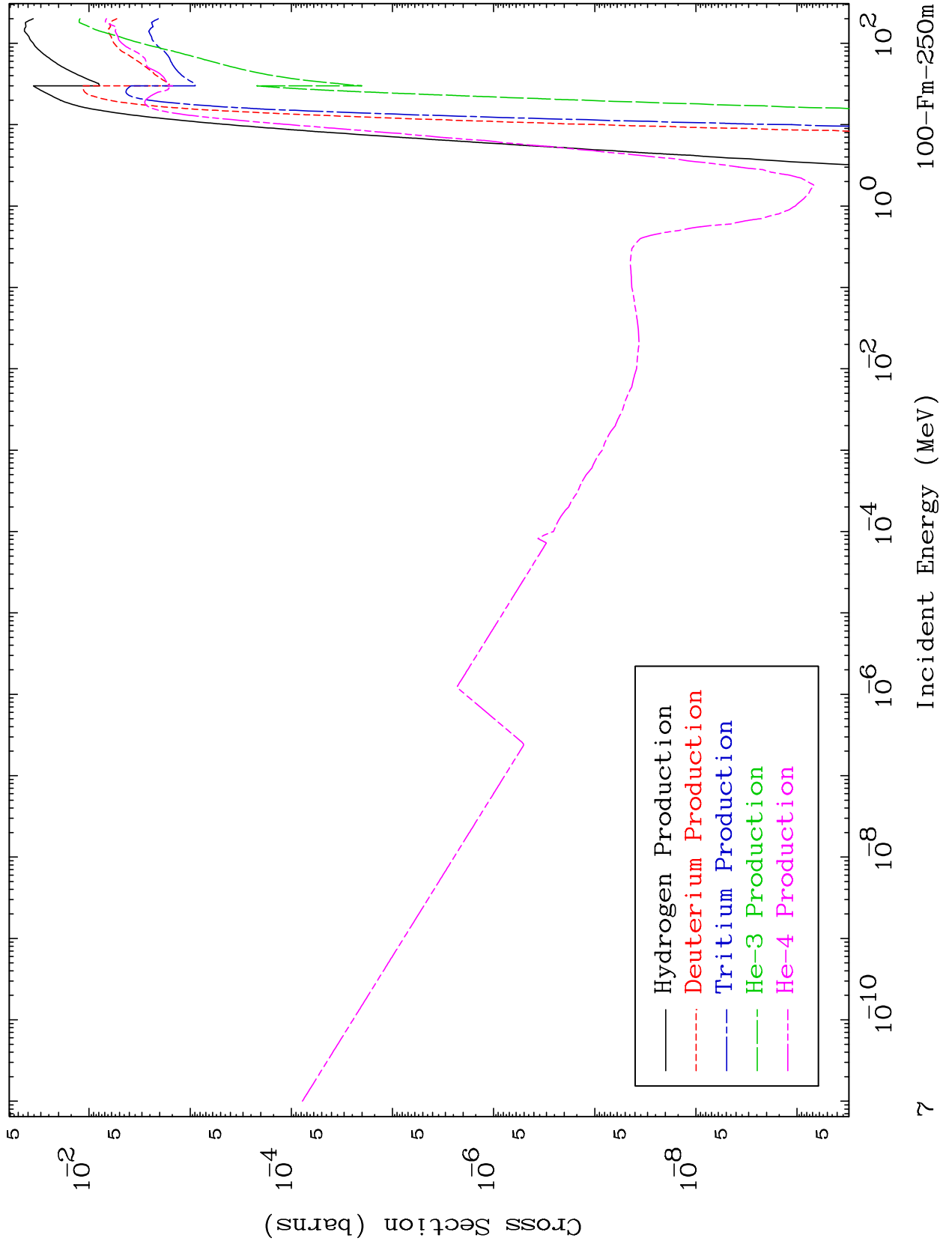
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Particle Production  
293 Kelvin Cross Sections

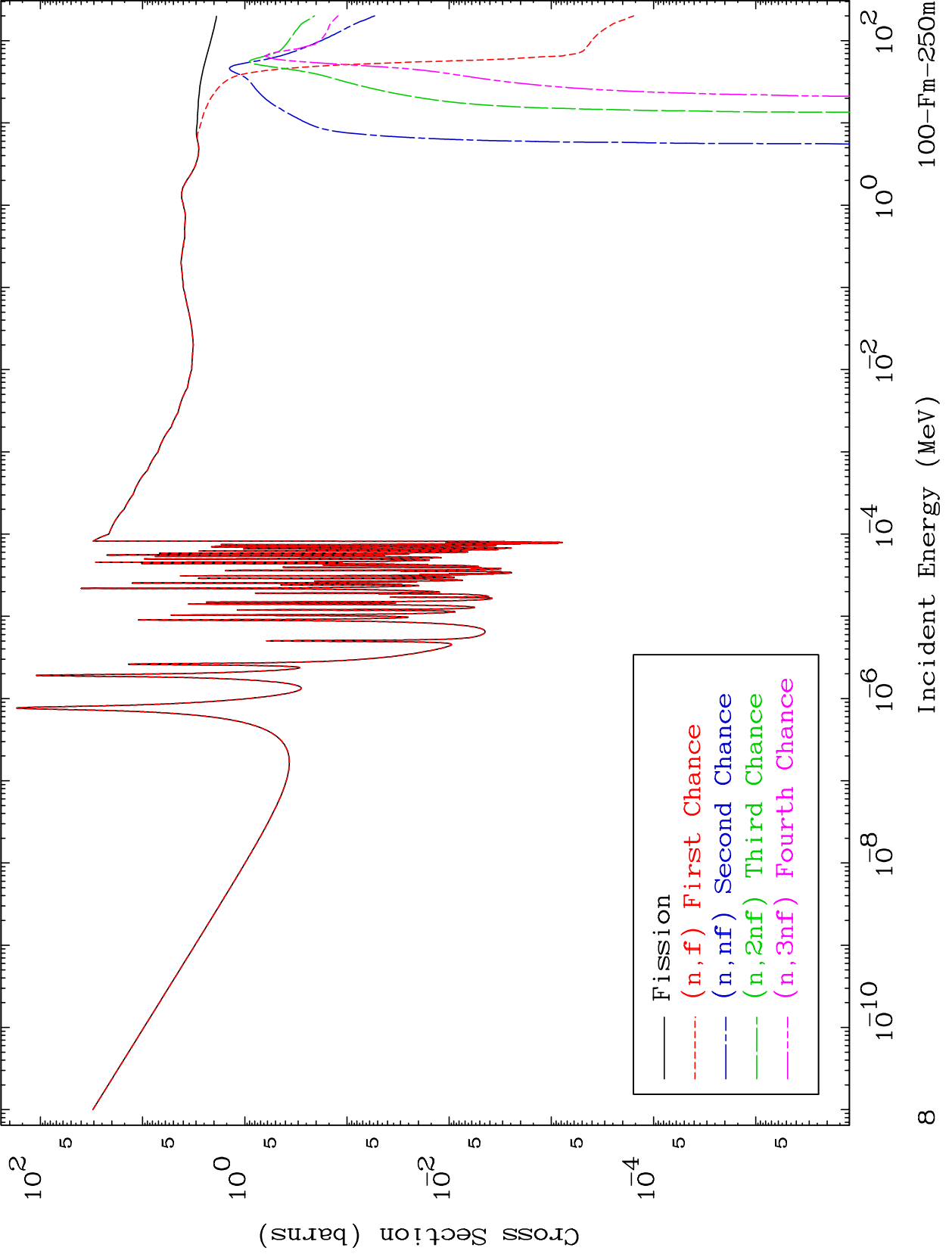
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Fission  
293 Kelvin Cross Sections

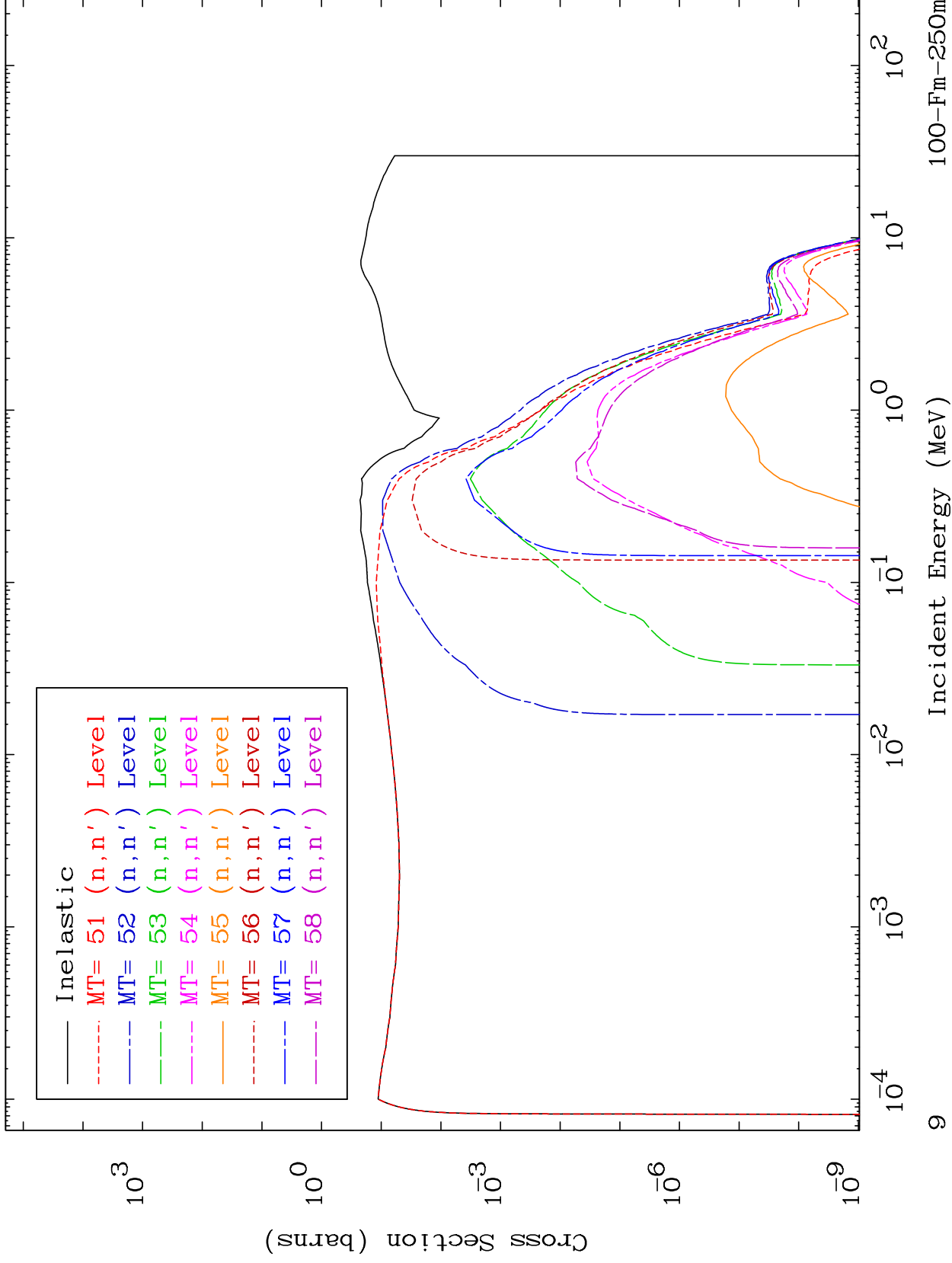
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MAT 9936

(n,n') Levels  
293 Kelvin Cross Sections

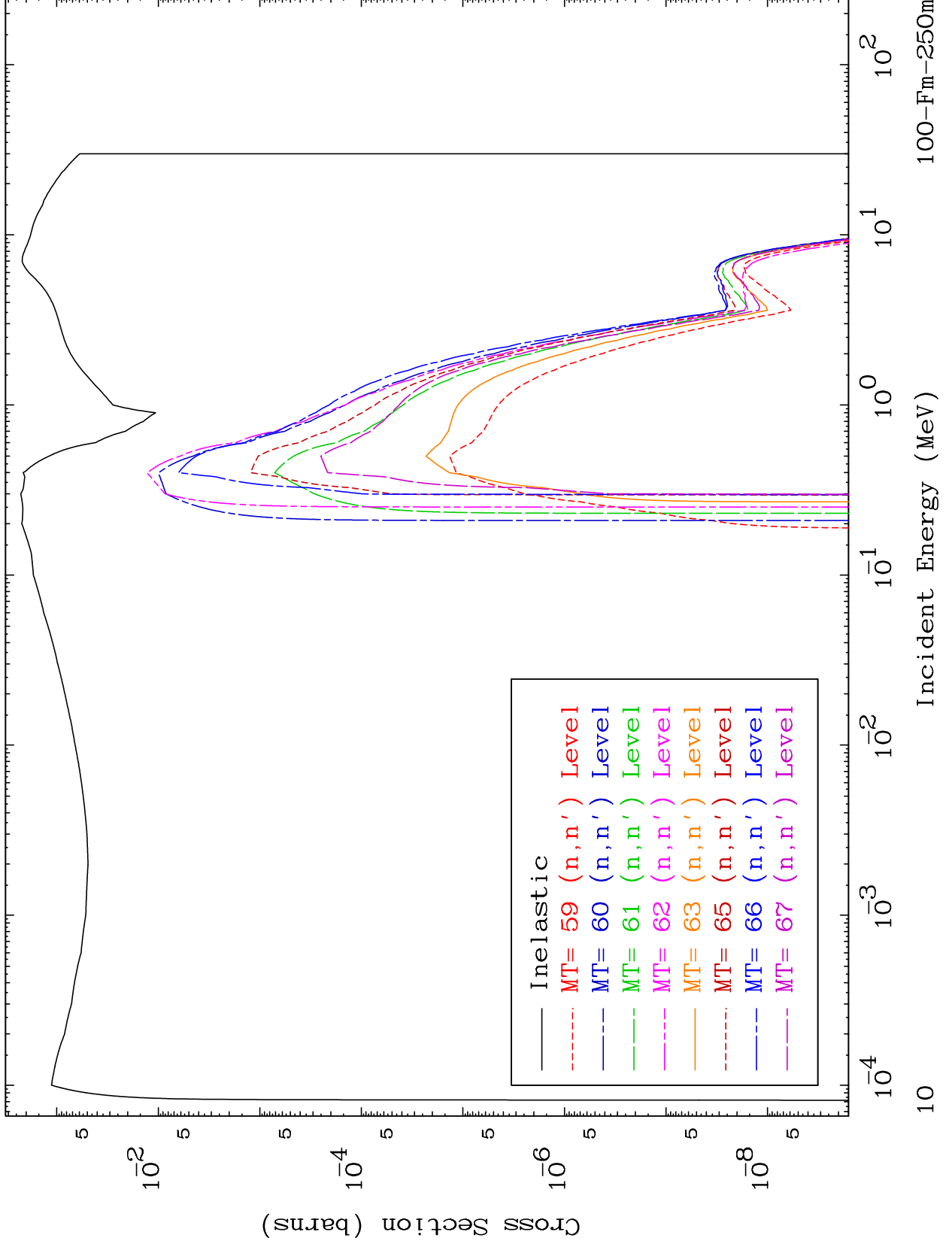
100-Fm-250m



MAT 9936

(n,n') Levels  
293 Kelvin Cross Sections

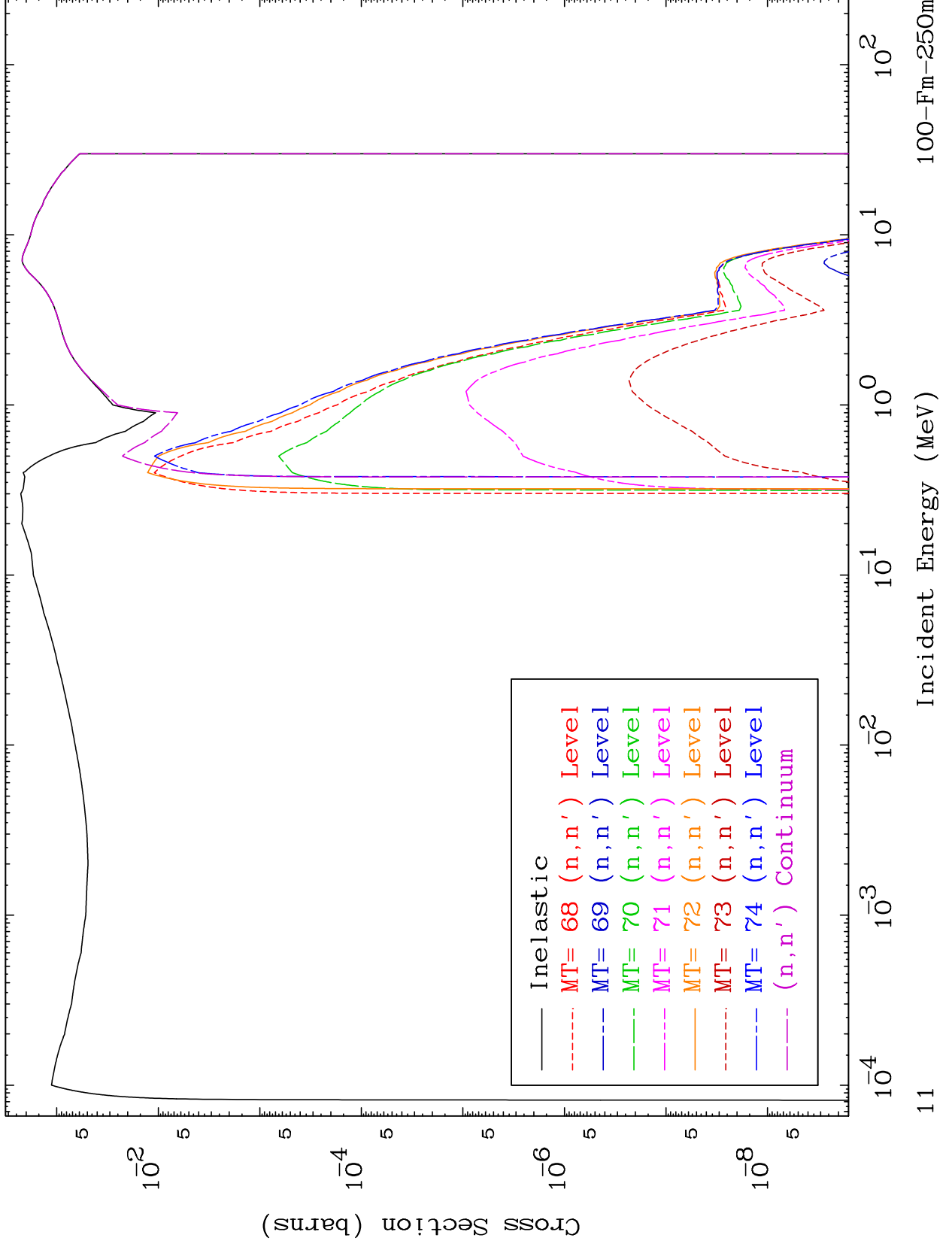
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(n,n') Levels  
293 Kelvin Cross Sections

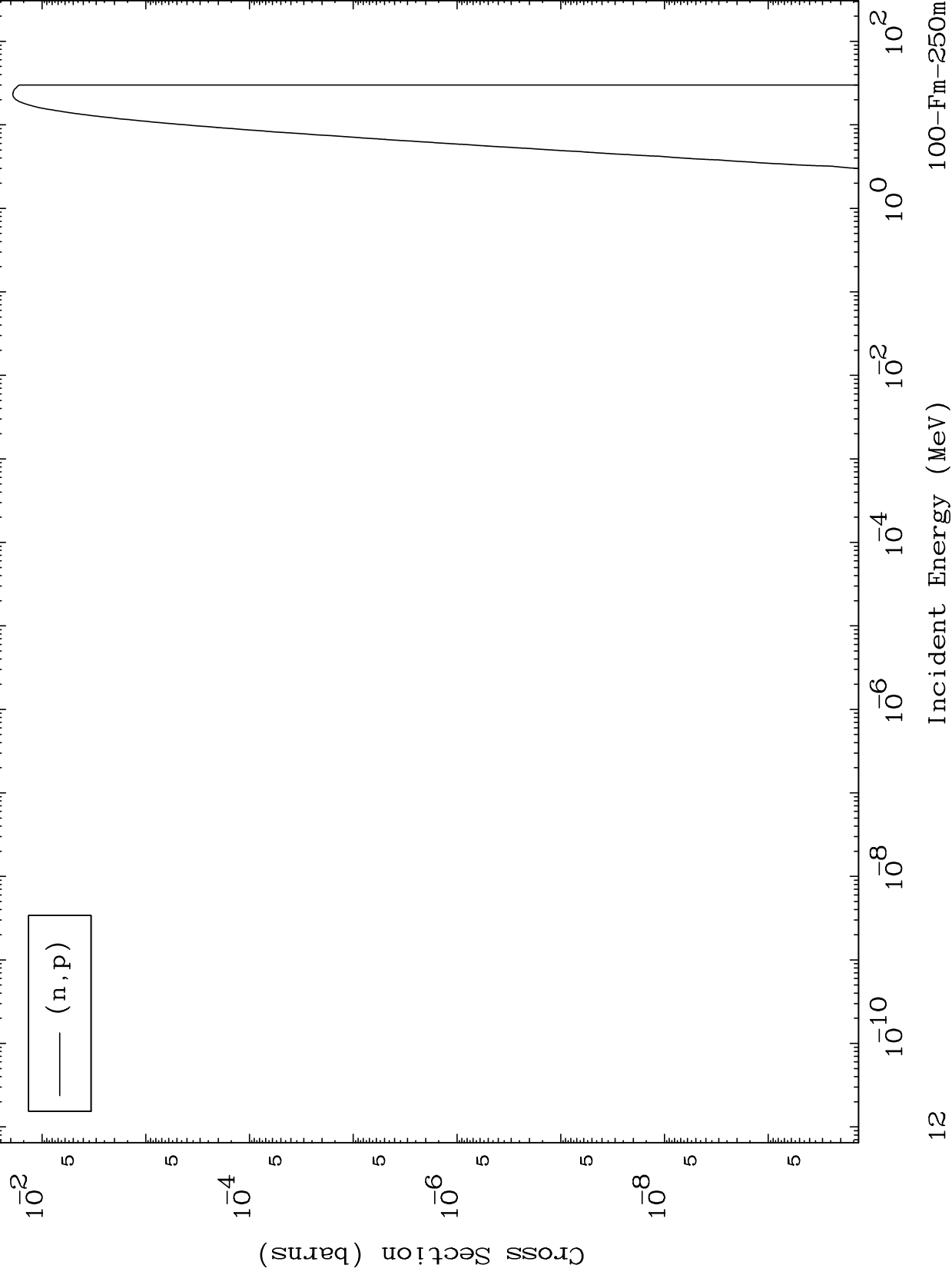
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(n,p) Levels  
293 Kelvin Cross Sections

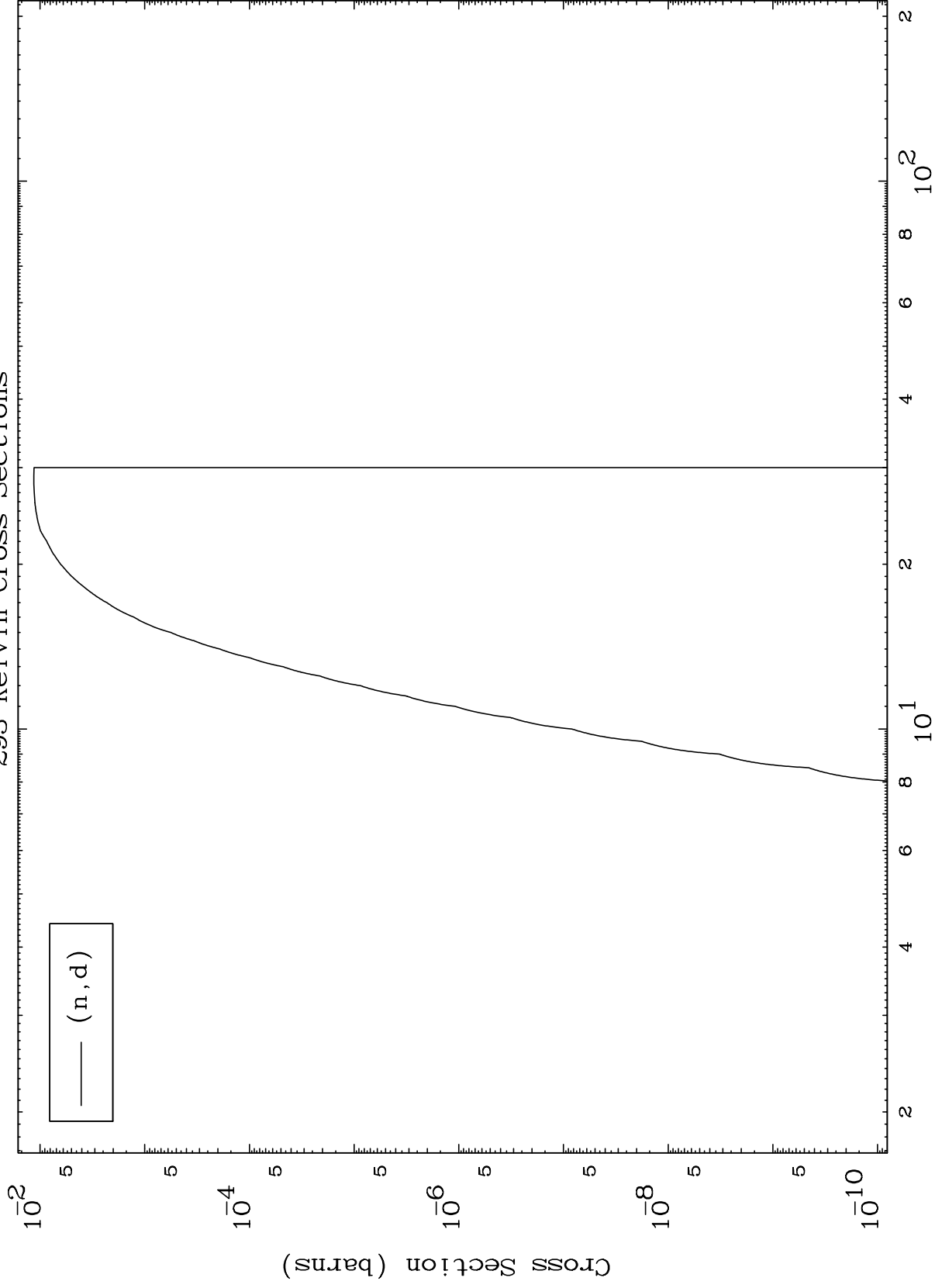
100-Fm-250m



MAT 9936

(n,d) Levels  
293 Kelvin Cross Sections

100-Fm-250m



13

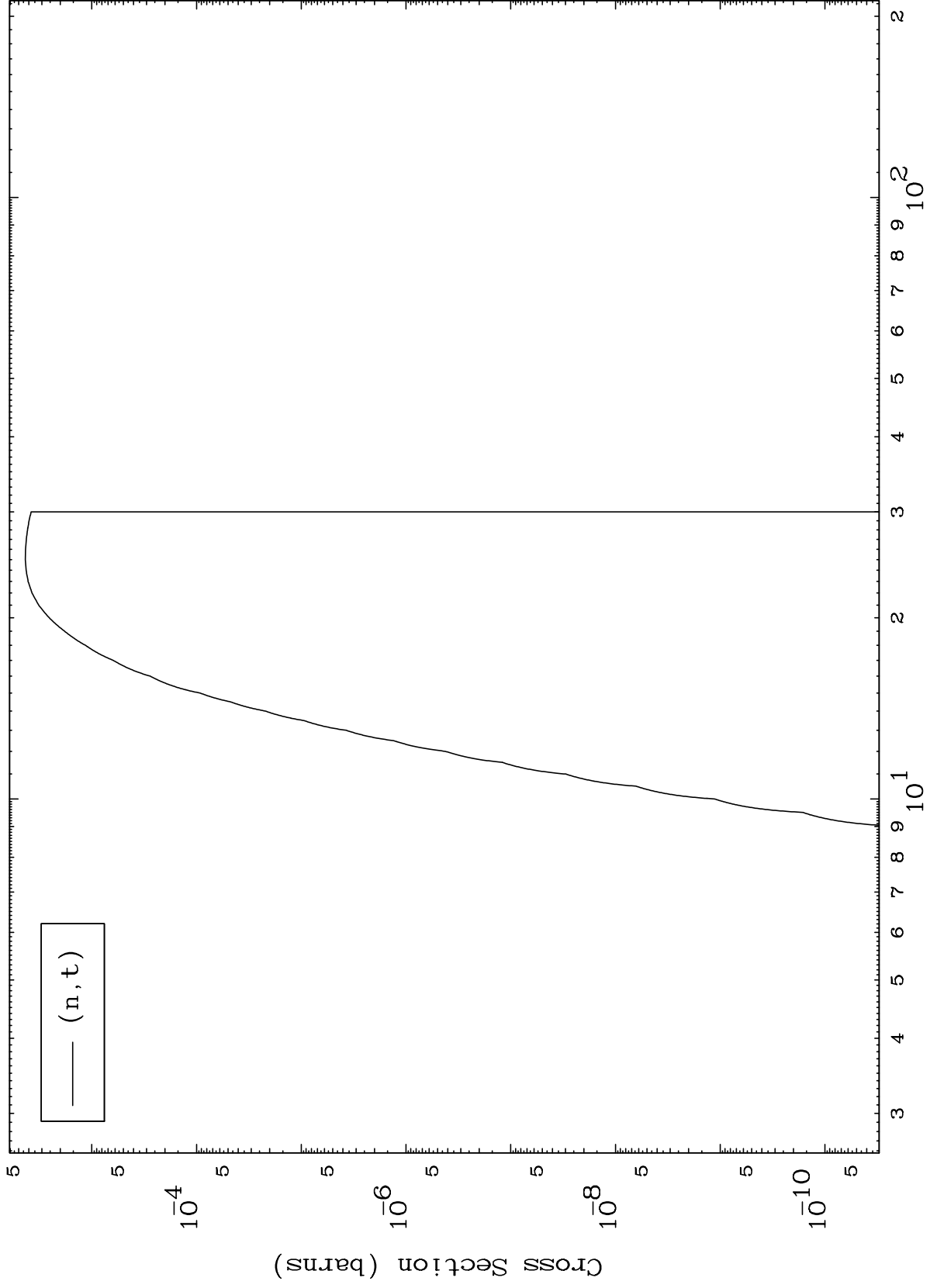
Incident Energy (MeV)

100-Fm-250m

MAT 9936

(n,t) Levels  
293 Kelvin Cross Sections

100-Fm-250m



14

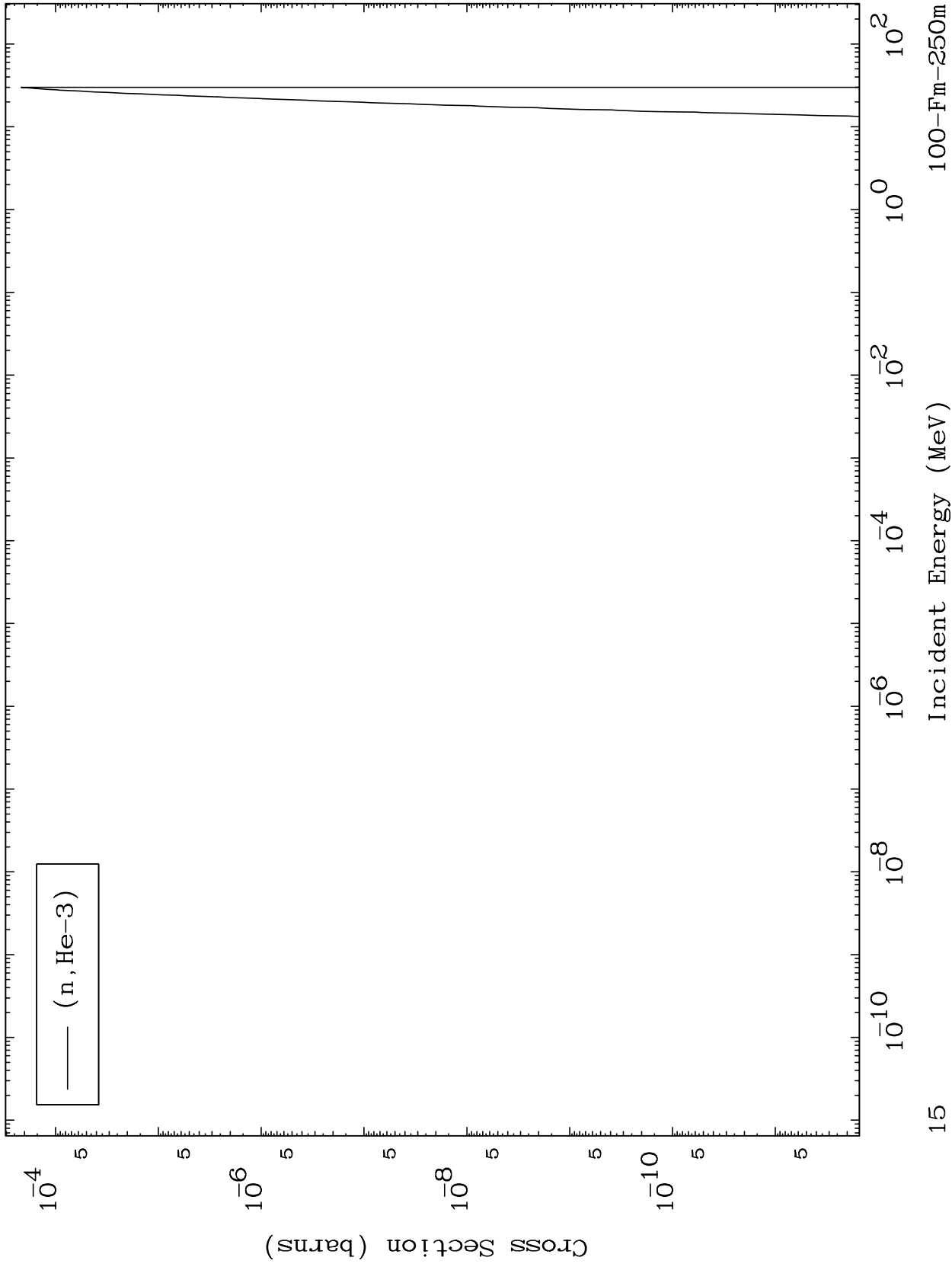
Incident Energy (MeV)

100-Fm-250m

MAT 9936

(n,He3) Levels  
293 Kelvin Cross Sections

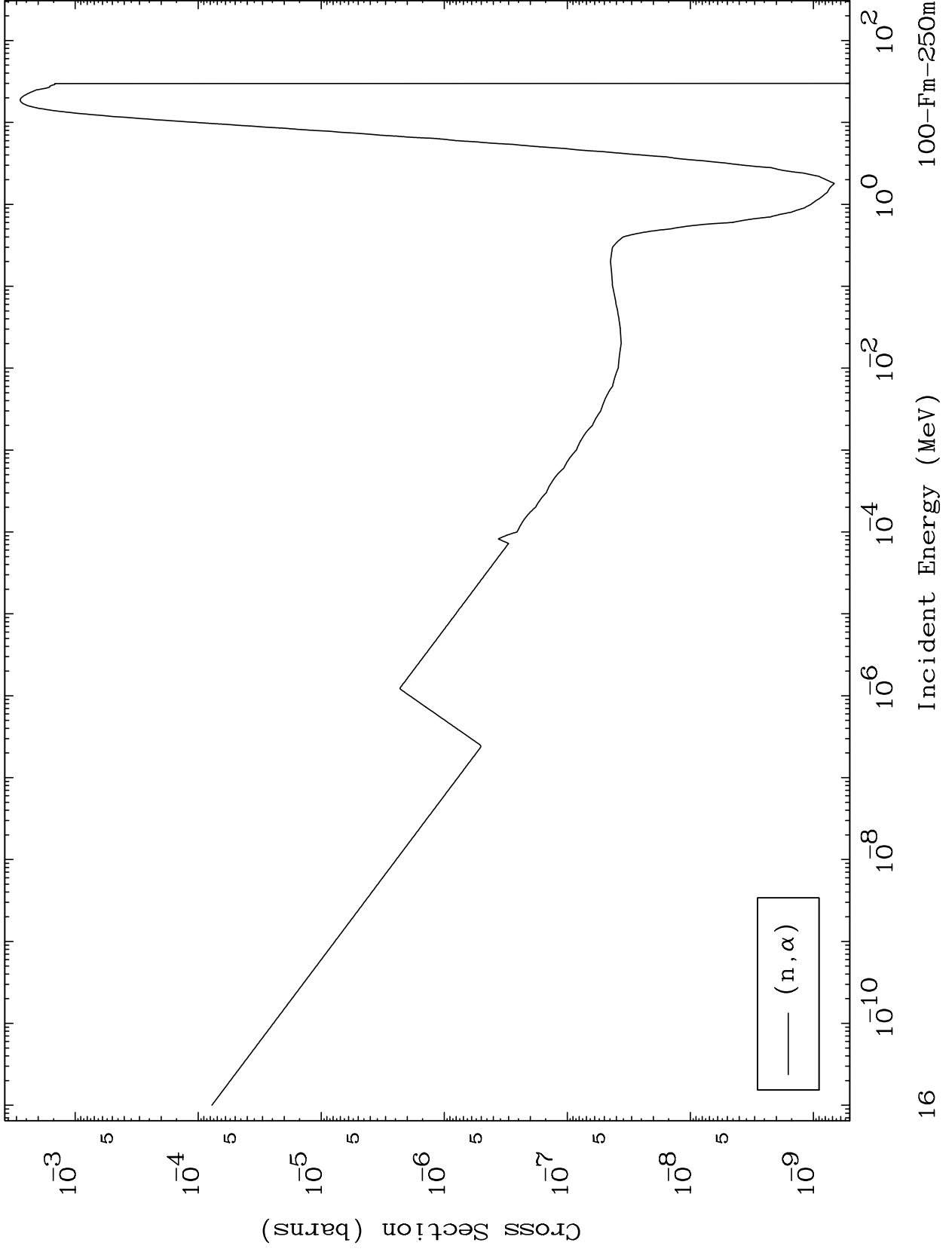
100-Fm-250m



MAT 9936

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

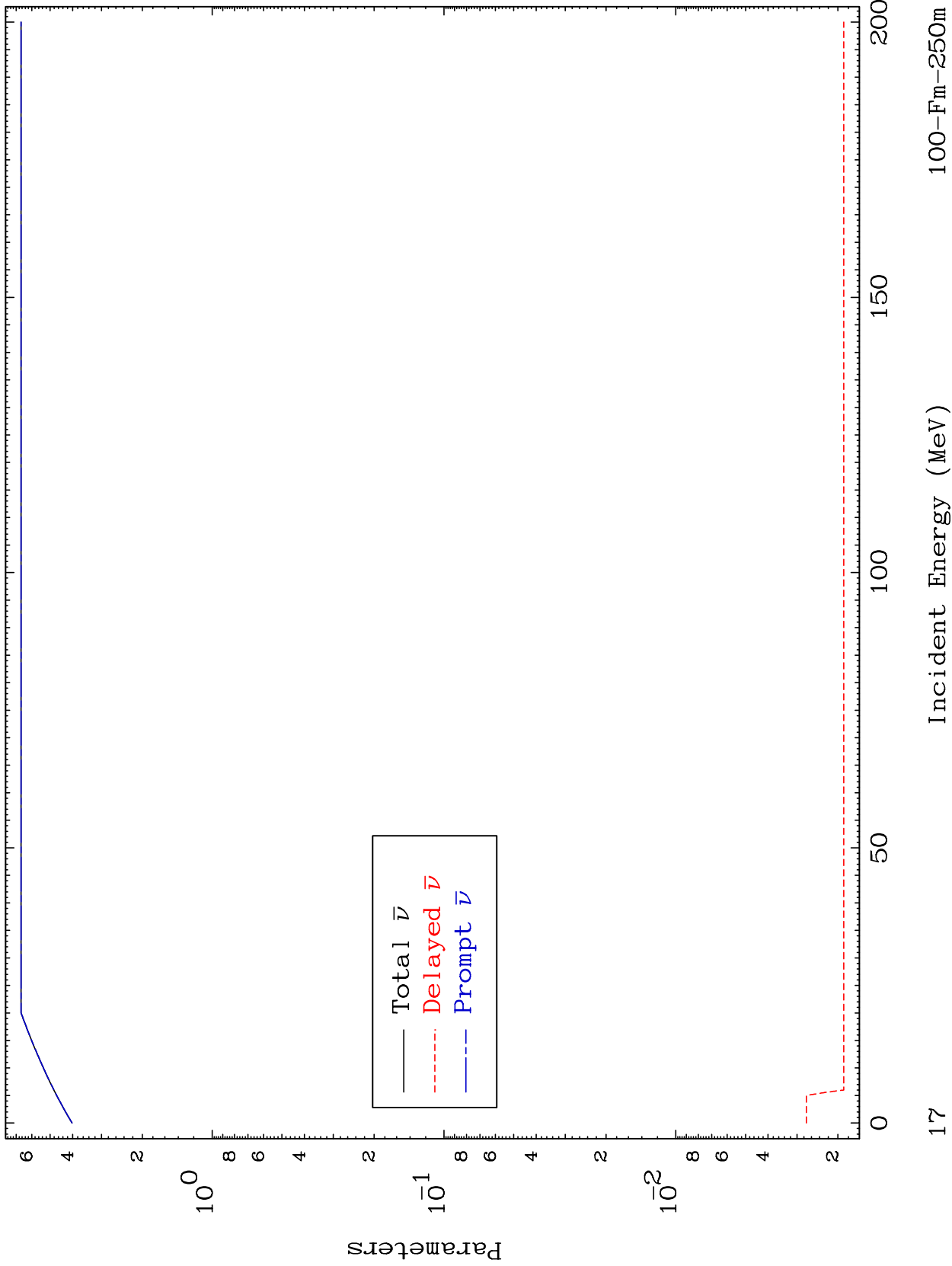
100-Fm-250m



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Energy Release  
Parameters

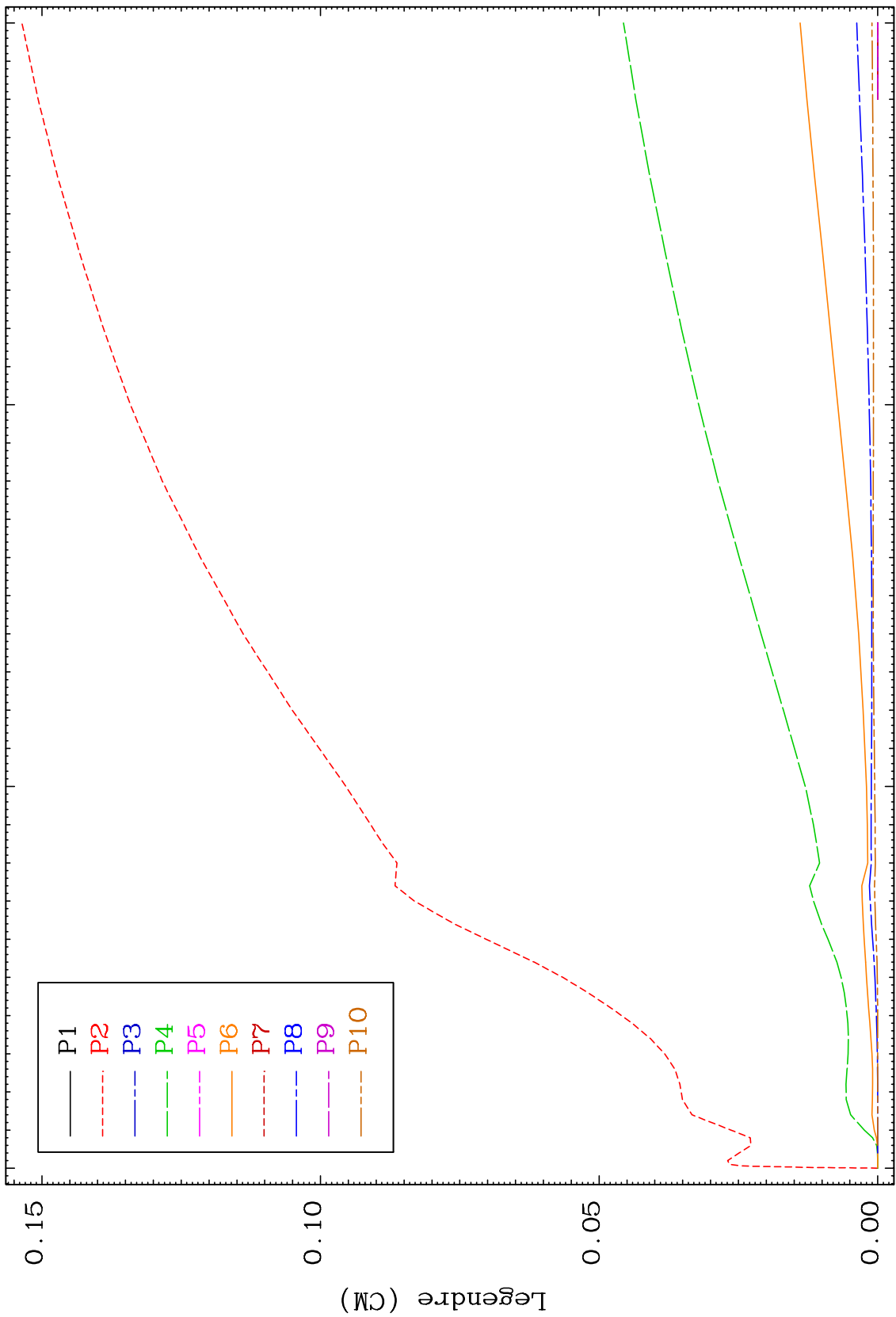
100-Fm-250m



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Elastic Legendre Coefficients

100-Fm-250m



18

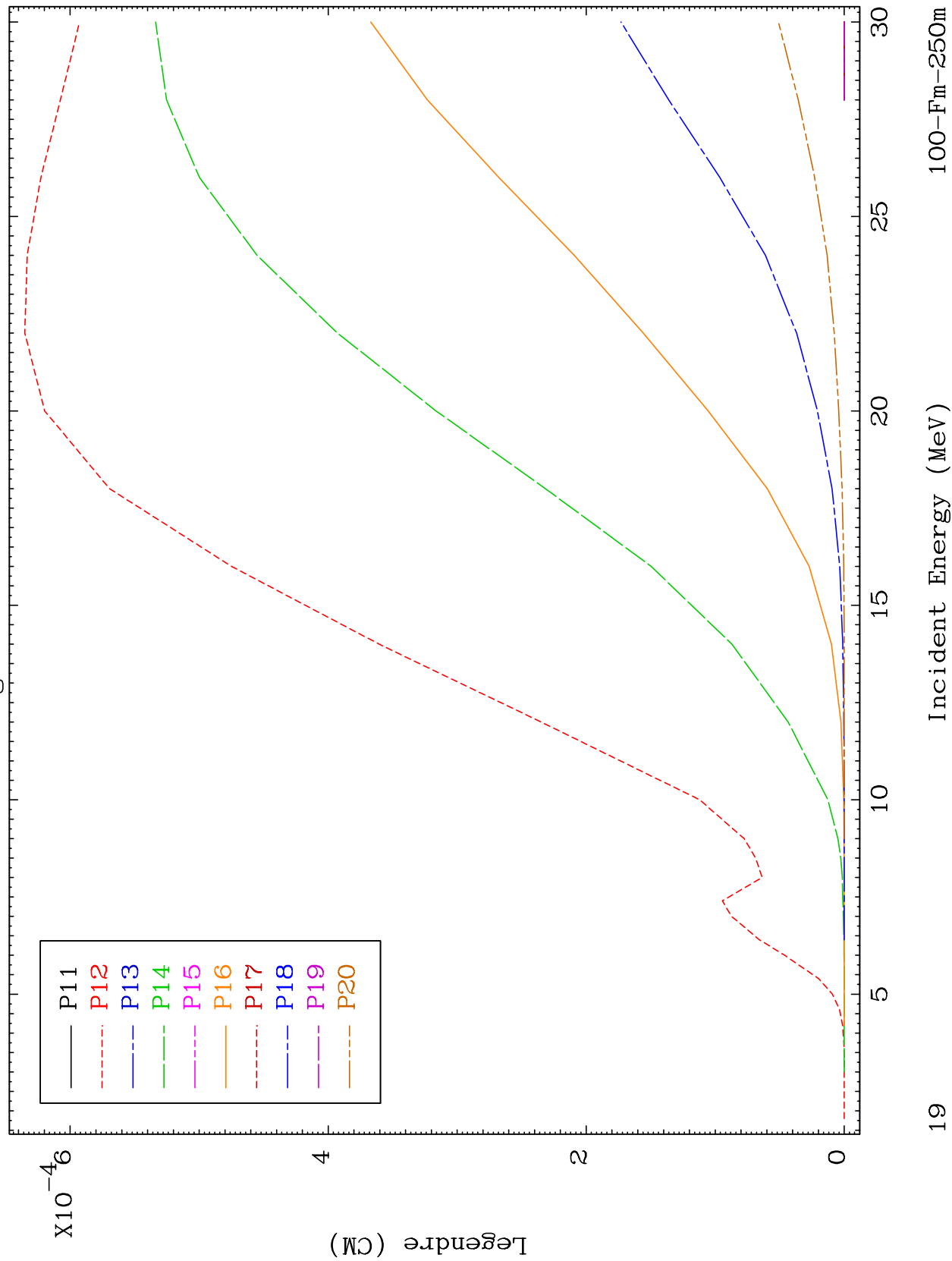
Incident Energy (MeV)

100-Fm-250m

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Elastic Legendre Coefficients

100-Fm-250m

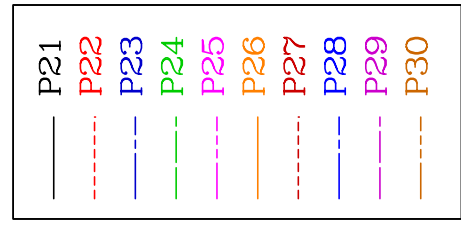


- P11
- P12
- P13
- P14
- P15
- P16
- P17
- P18
- P19
- P20

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Elastic  
Legendre Coefficients

100-Fm-250m



$\times 10^{-5}$   
1.2  
1.0  
0.8

Legendre (CM)

0.6

0.4

0.2

0.0

15

20

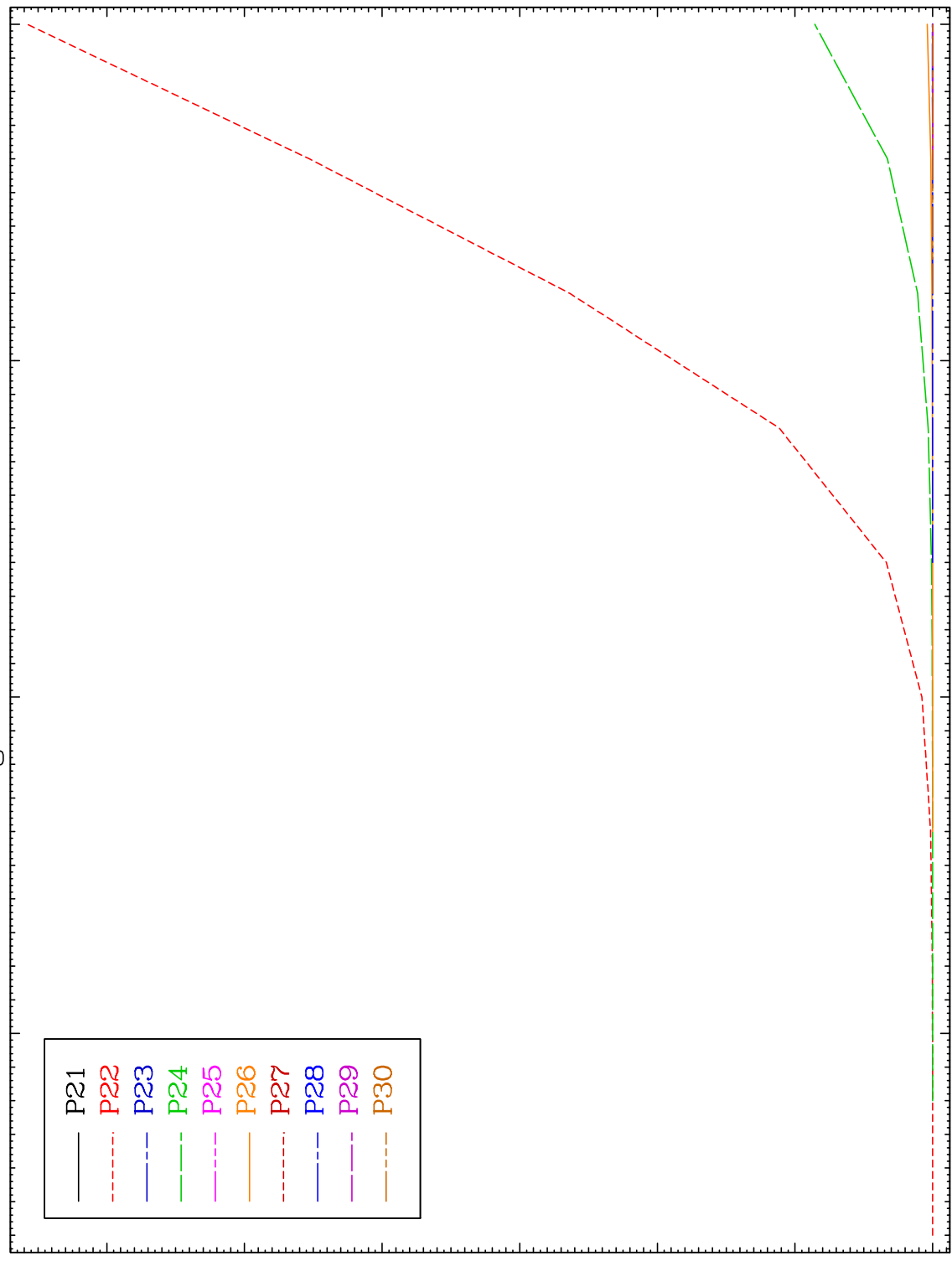
25

30

20

Incident Energy (MeV)

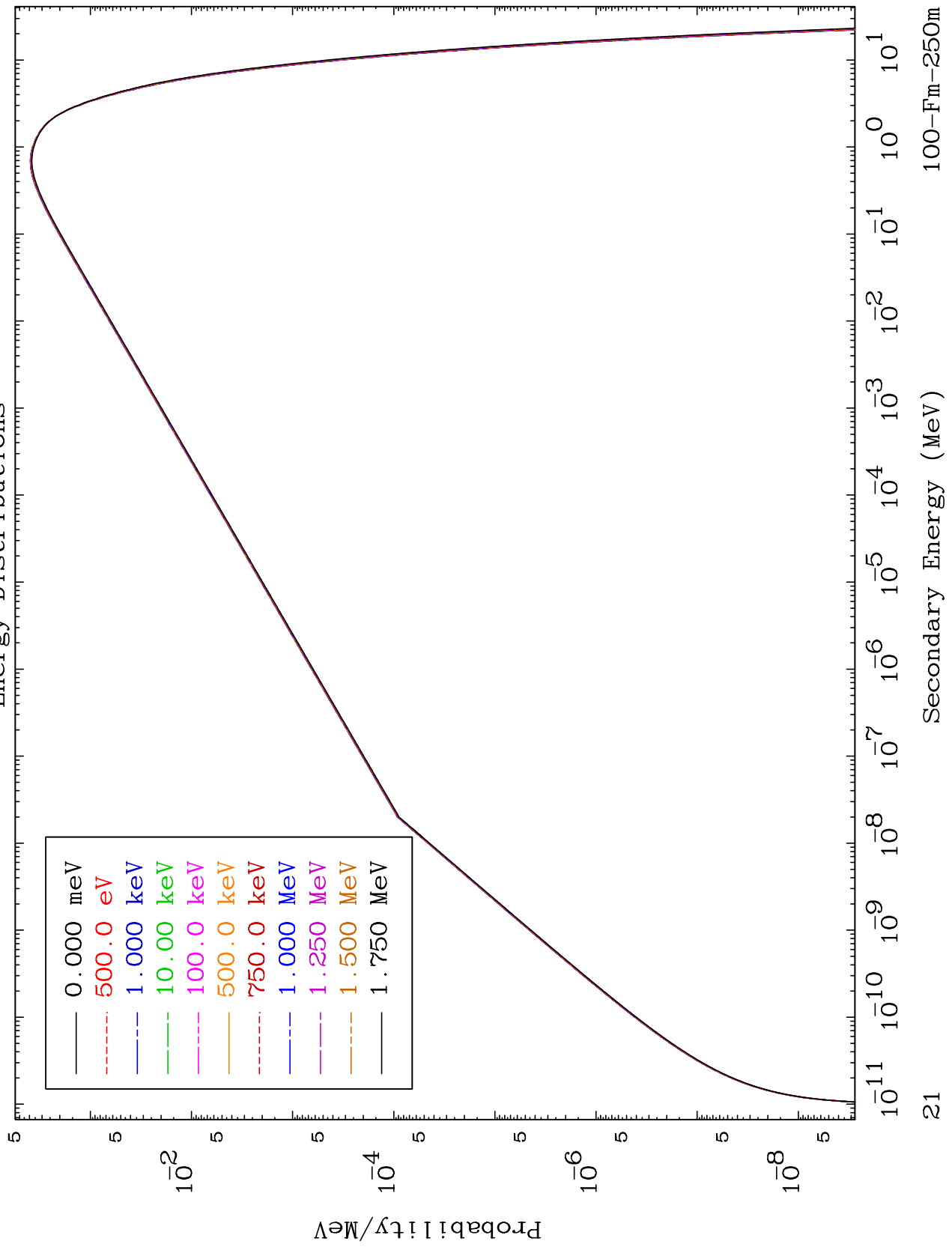
100-Fm-250m



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### Fission Energy Distributions

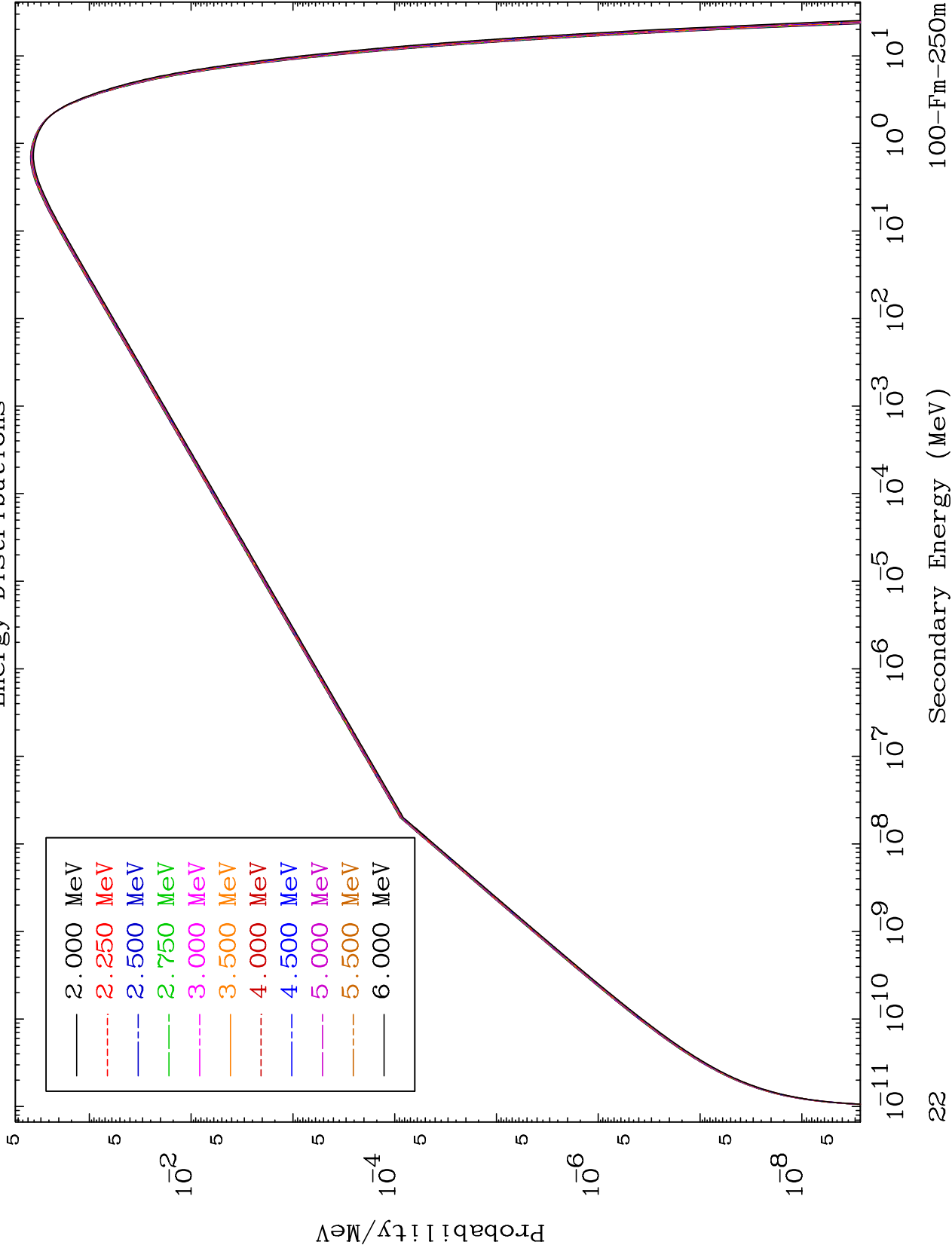
100-Fm-250m



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### Fission Energy Distributions

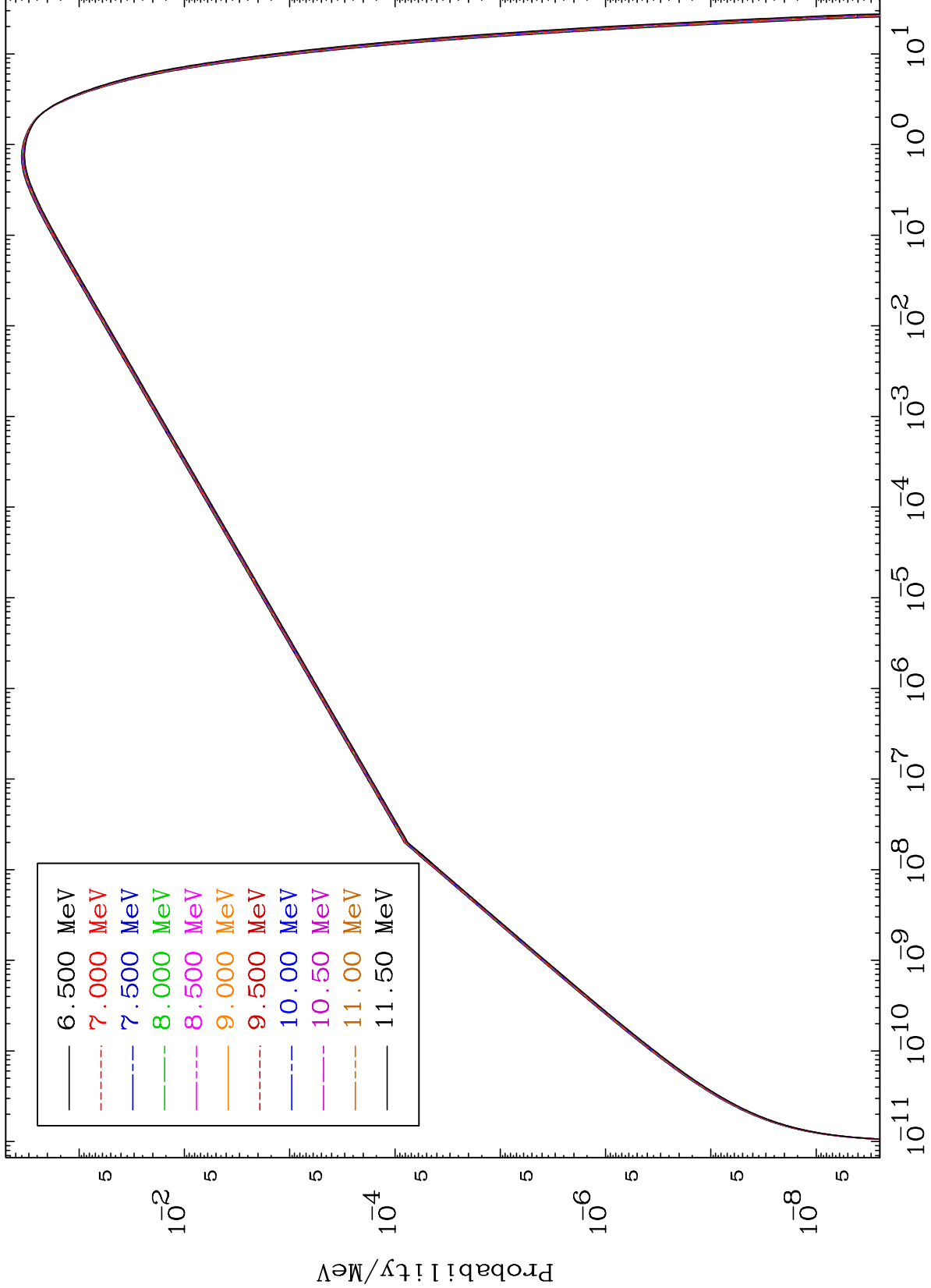
100-Fm-250m



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### Fission Energy Distributions

100-Fm-250m



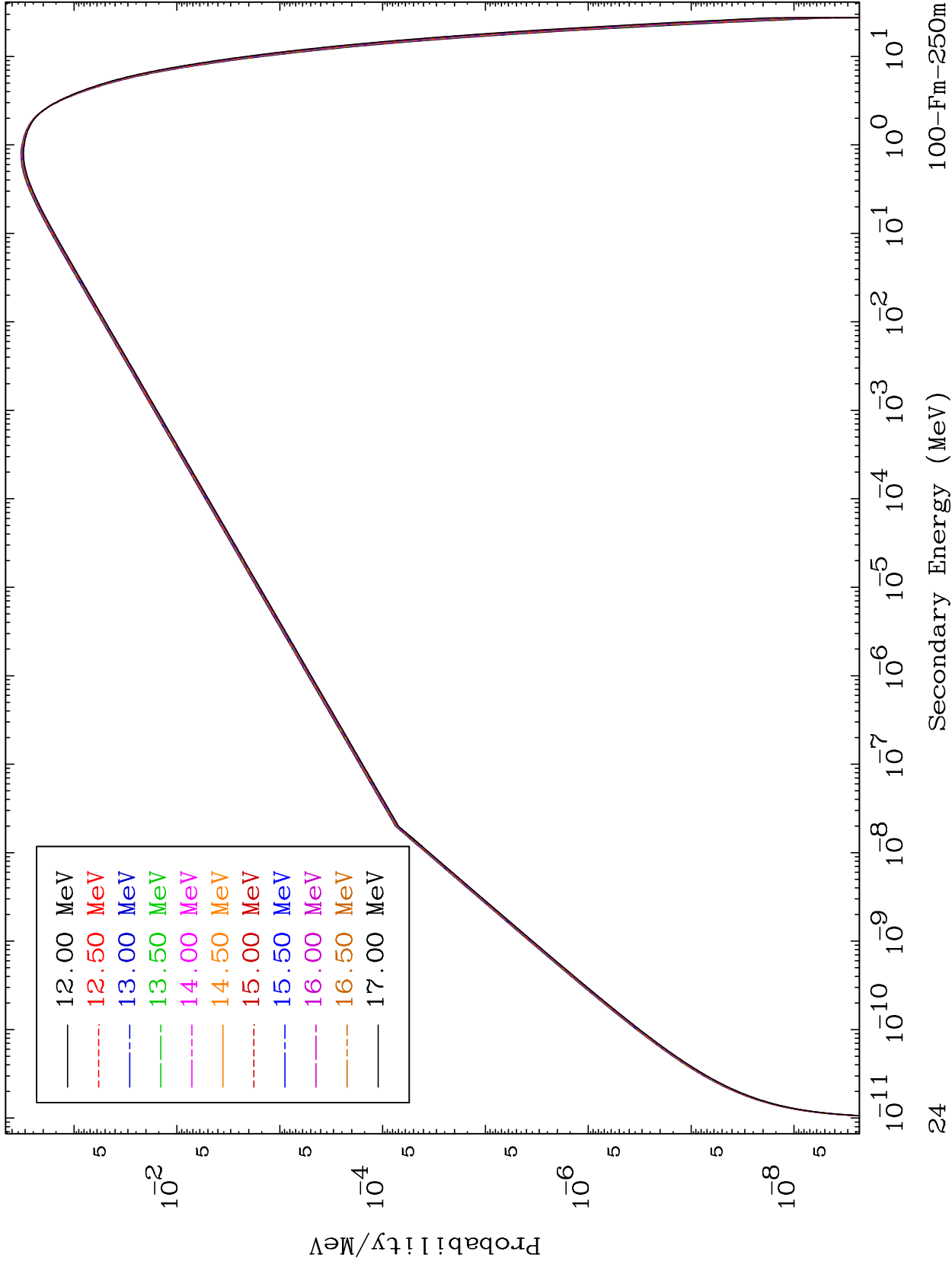
100-Fm-250m

Secondary Energy (MeV)

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### Fission Energy Distributions

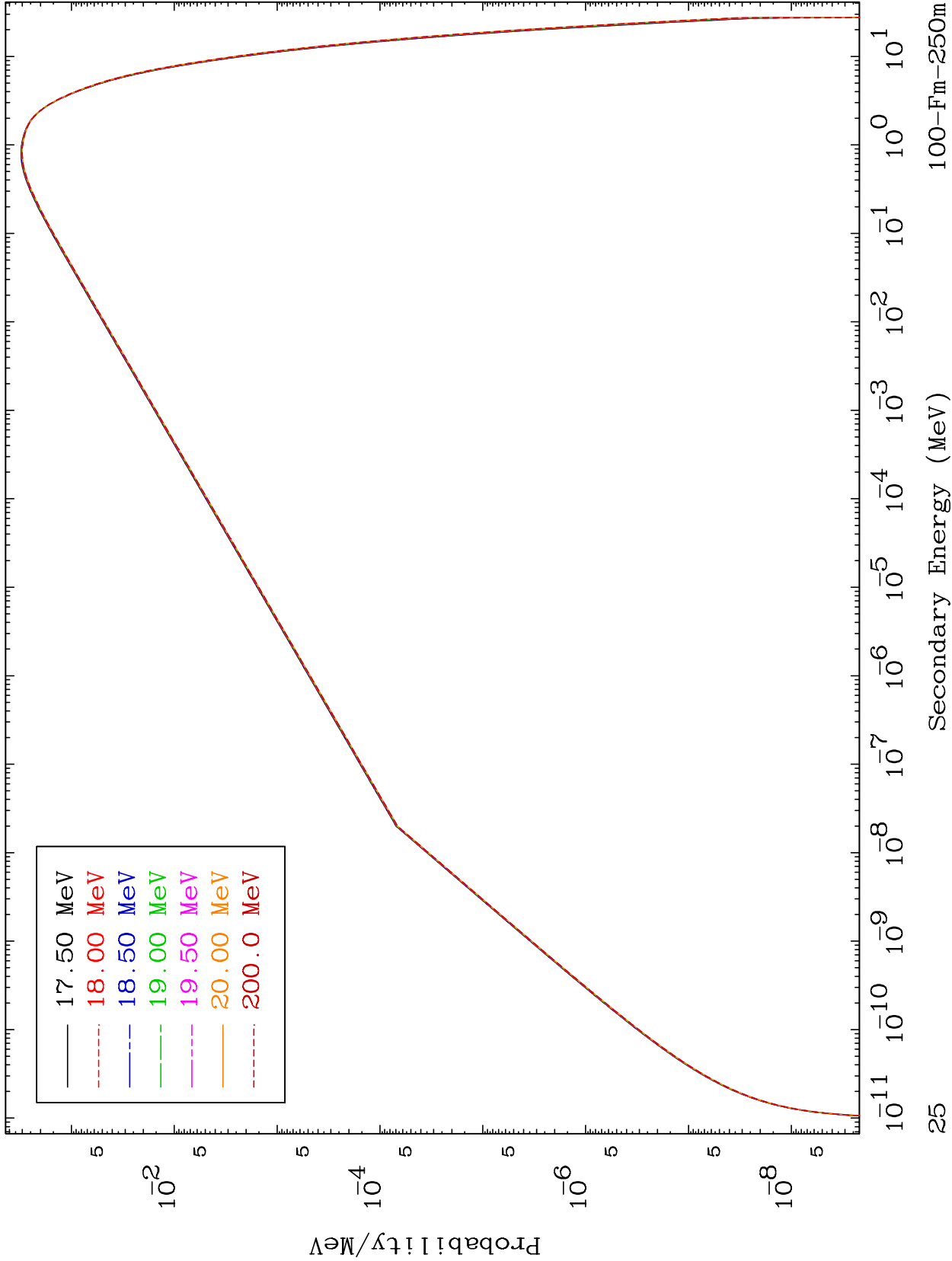
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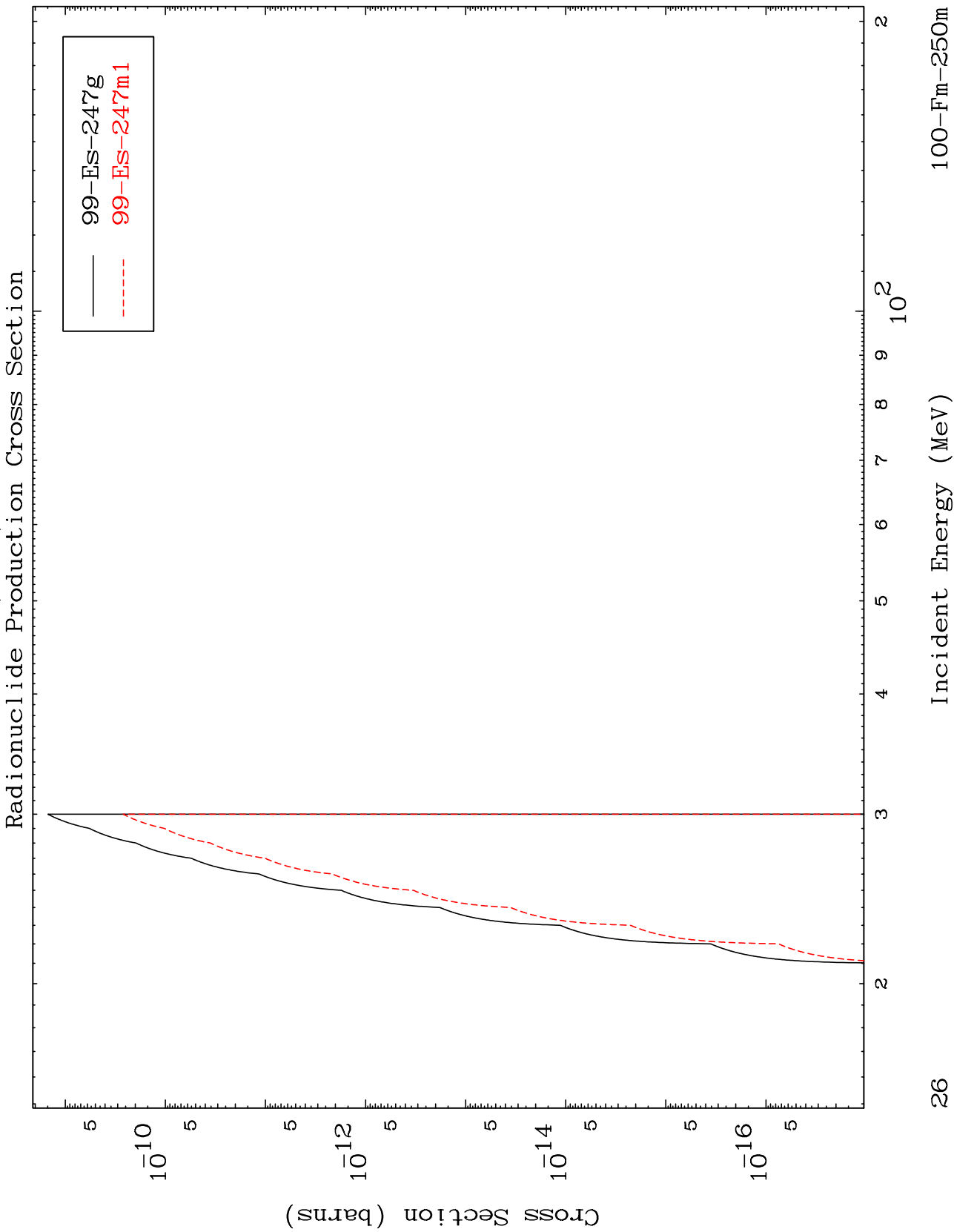


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### Fission Energy Distributions

100-Fm-250m



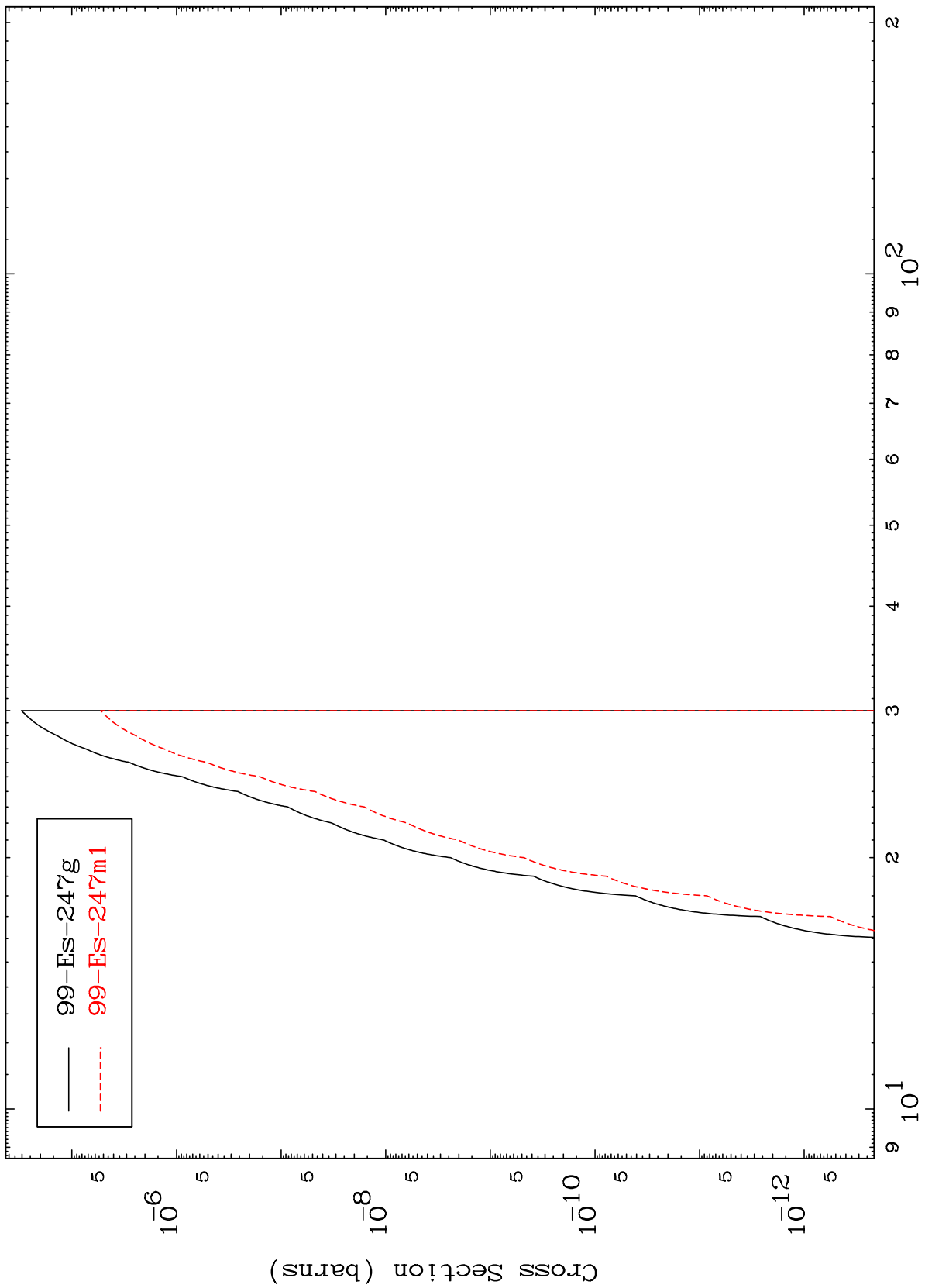


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(n,n') t

100-Fm-250m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

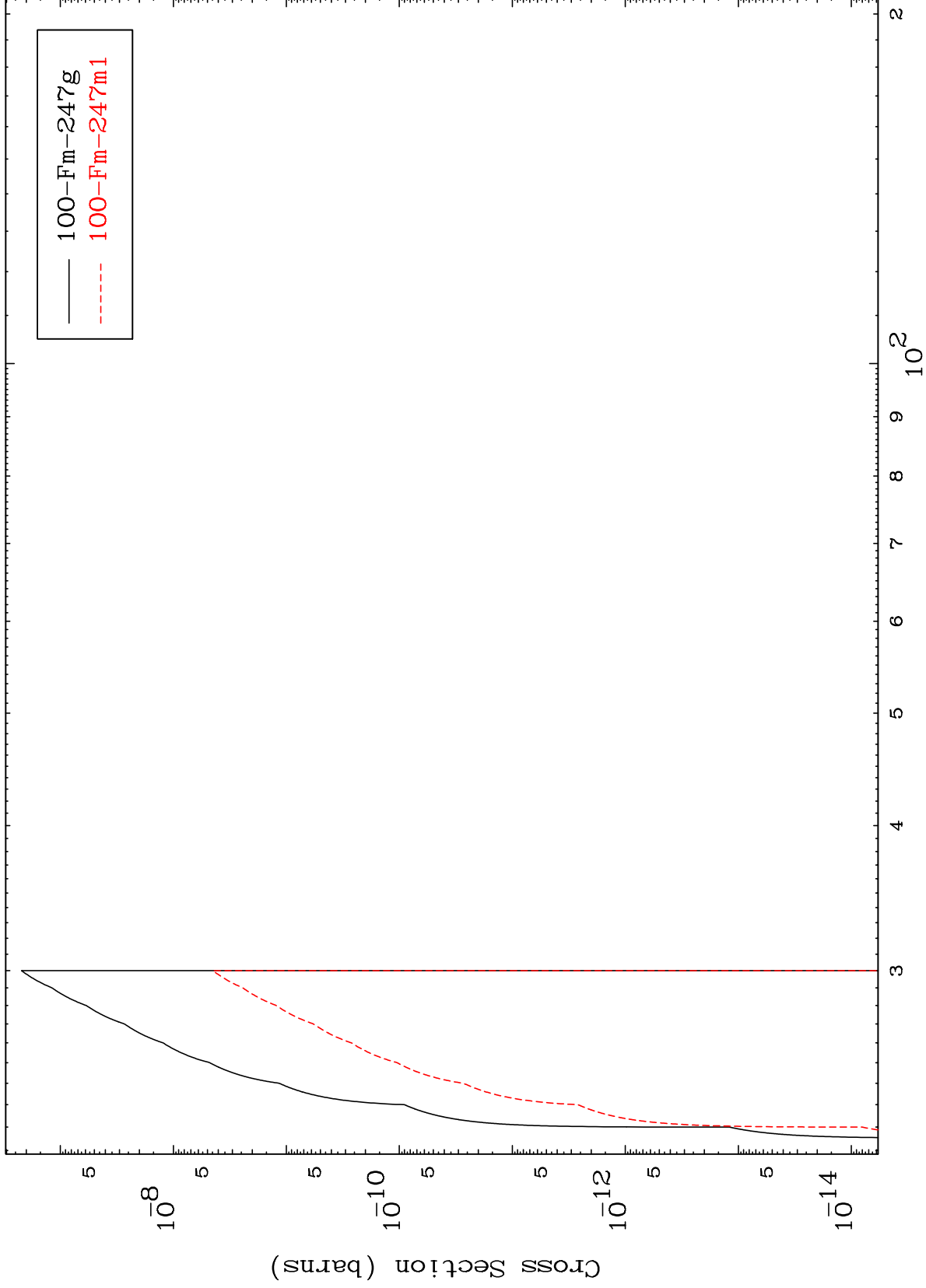
100-Fm-250m

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(n,4n)

100-Fm-250m

Radionuclide Production Cross Section



28

Incident Energy (MeV)

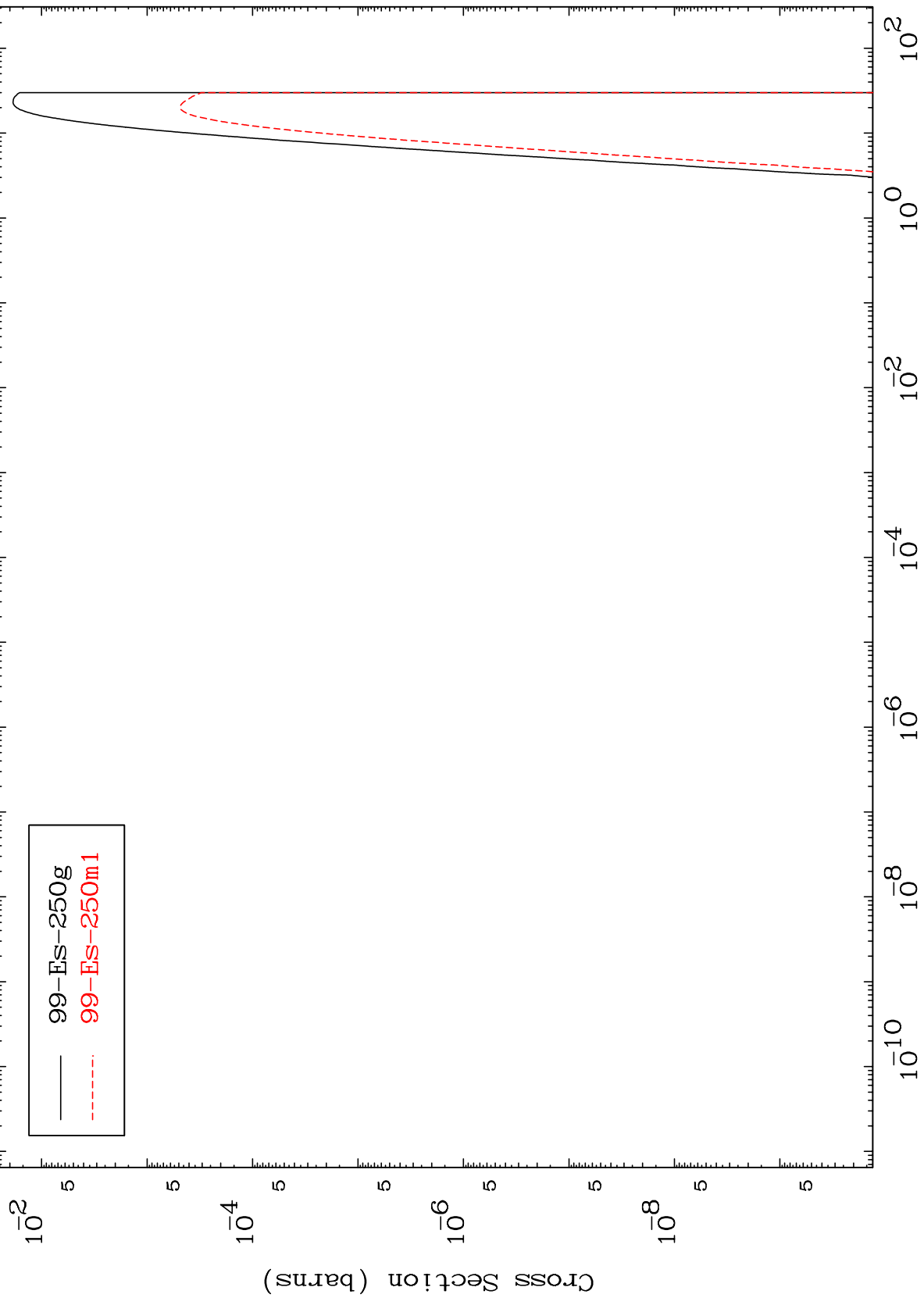
100-Fm-250m

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(n,p)

100-Fm-250m

Radionuclide Production Cross Section



99-Fm-250g  
99-Fm-250m1

Incident Energy (MeV)

100-Fm-250m