

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

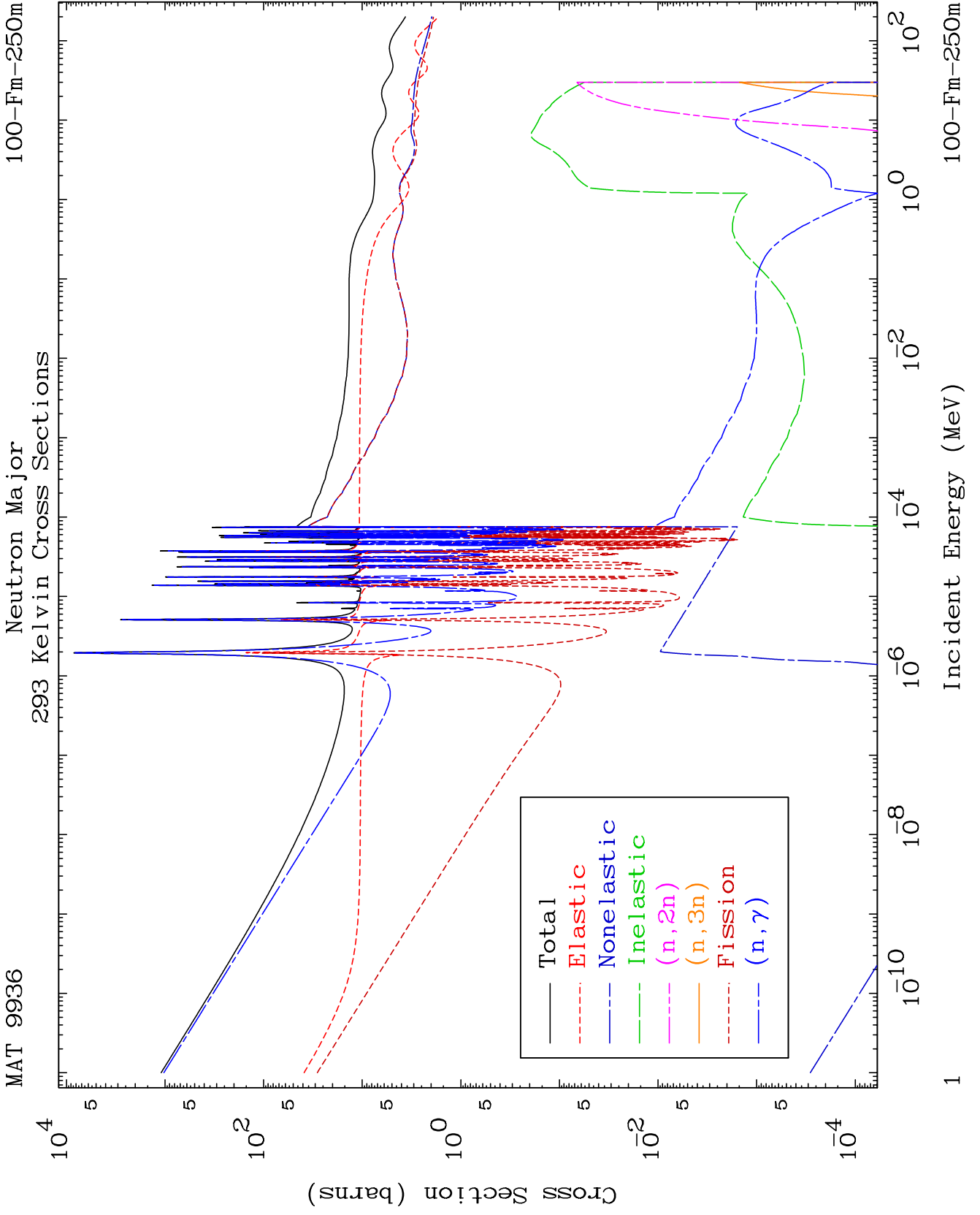
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

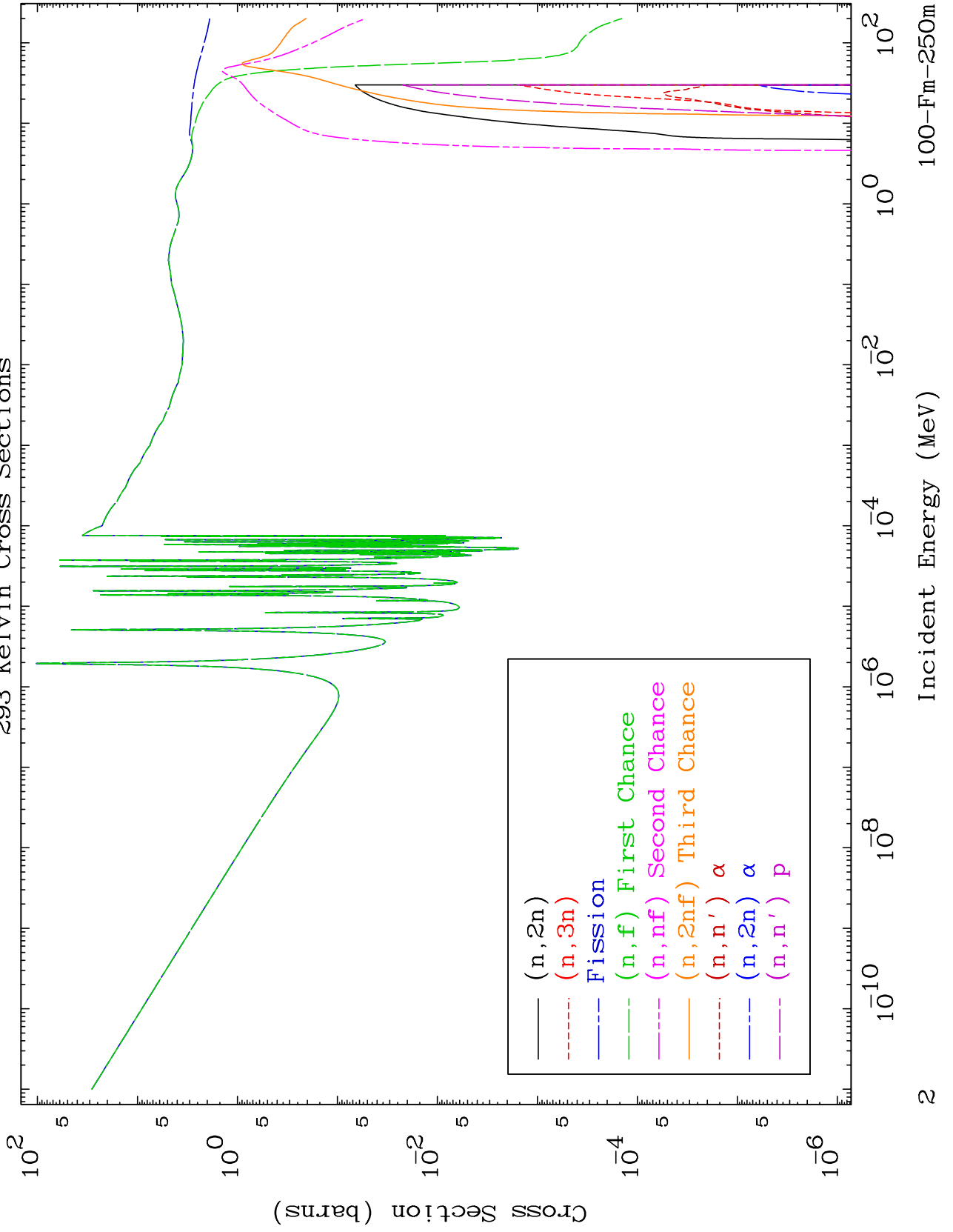
Press Mouse Button to Start



MAT 9936

Neutron Absorption  
293 Kelvin Cross Sections

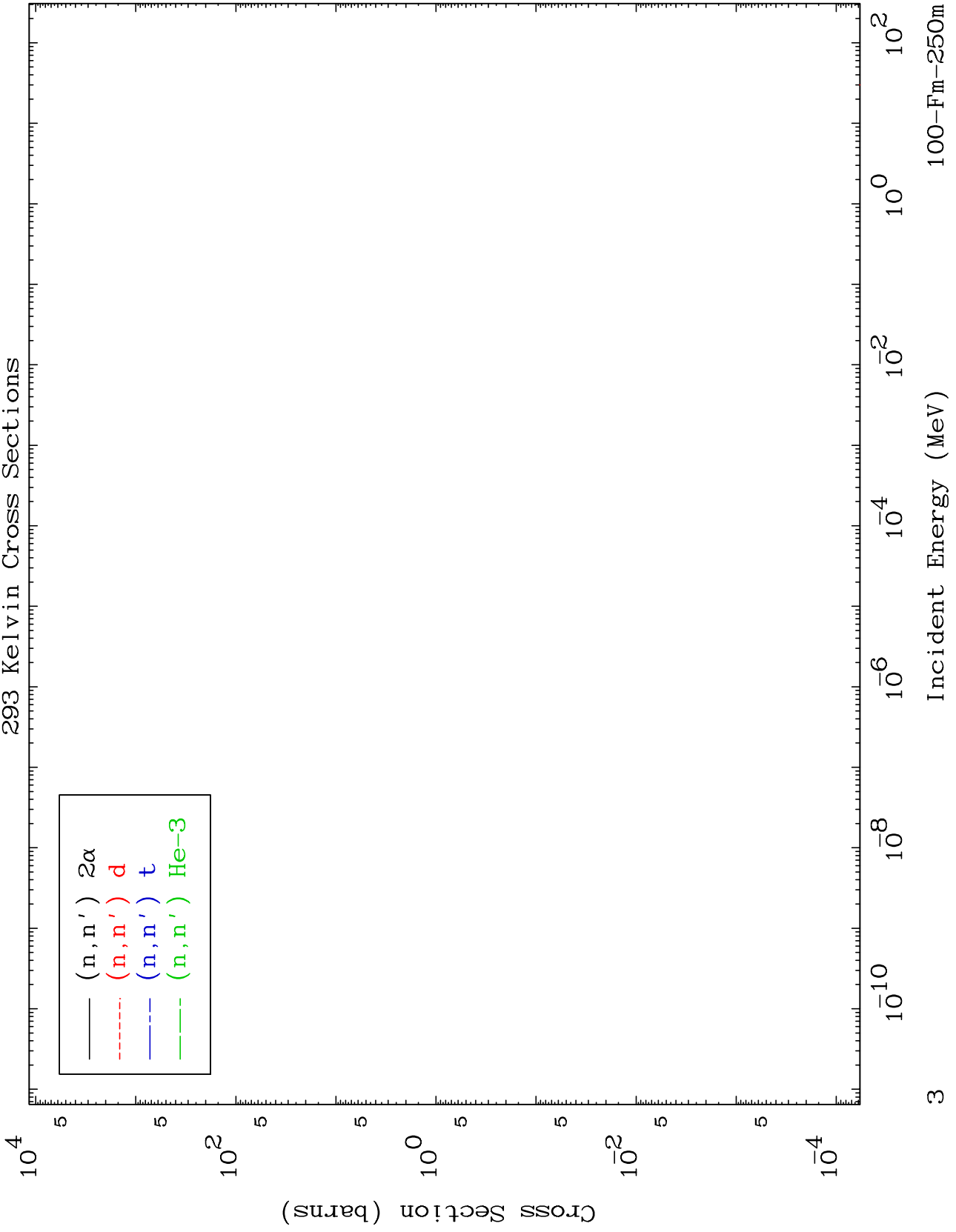
100-Fm-250m



MAT 9936

Neutron Absorption  
293 Kelvin Cross Sections

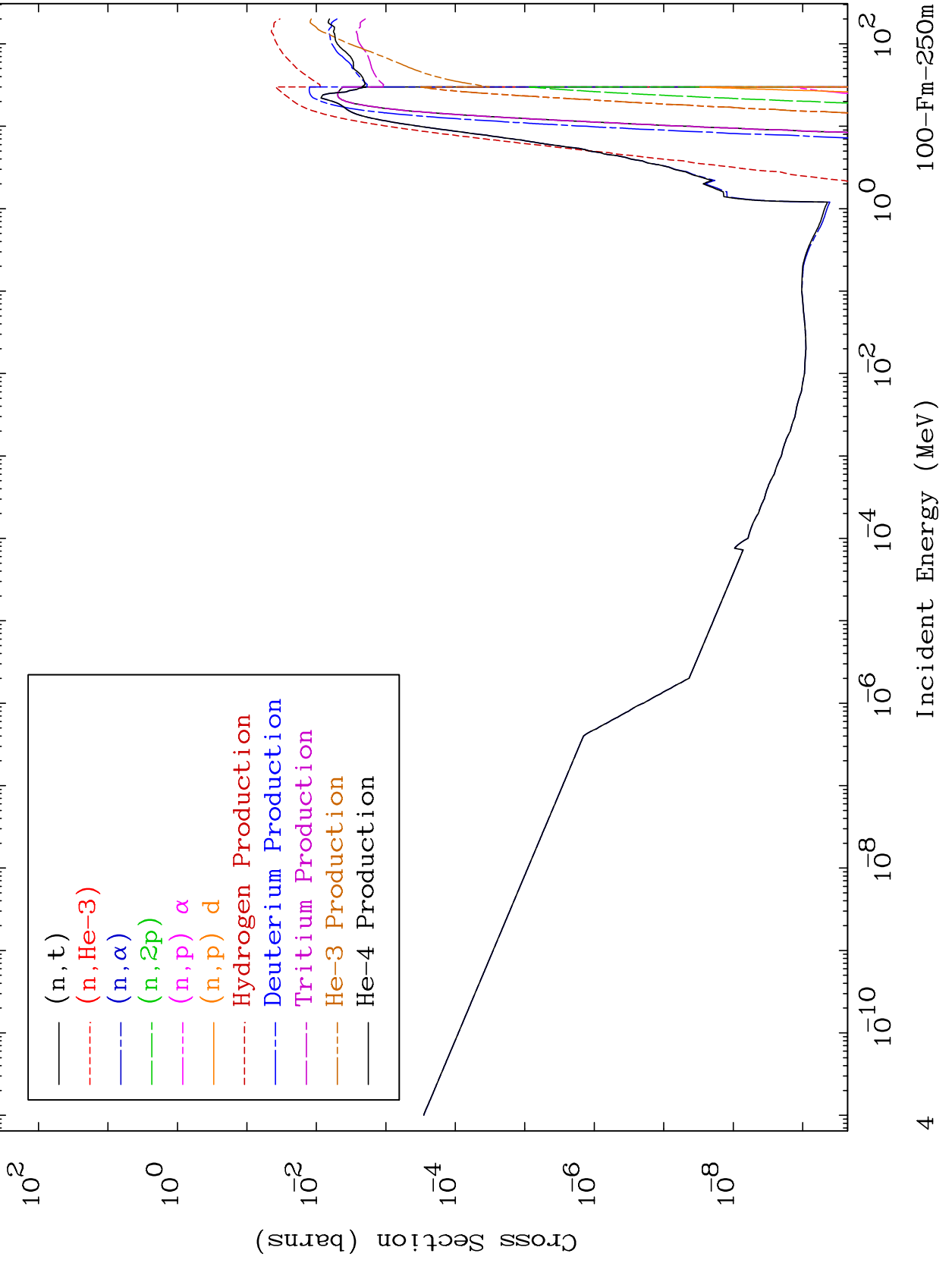
100-Fm-250m



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Neutron Absorption  
293 Kelvin Cross Sections

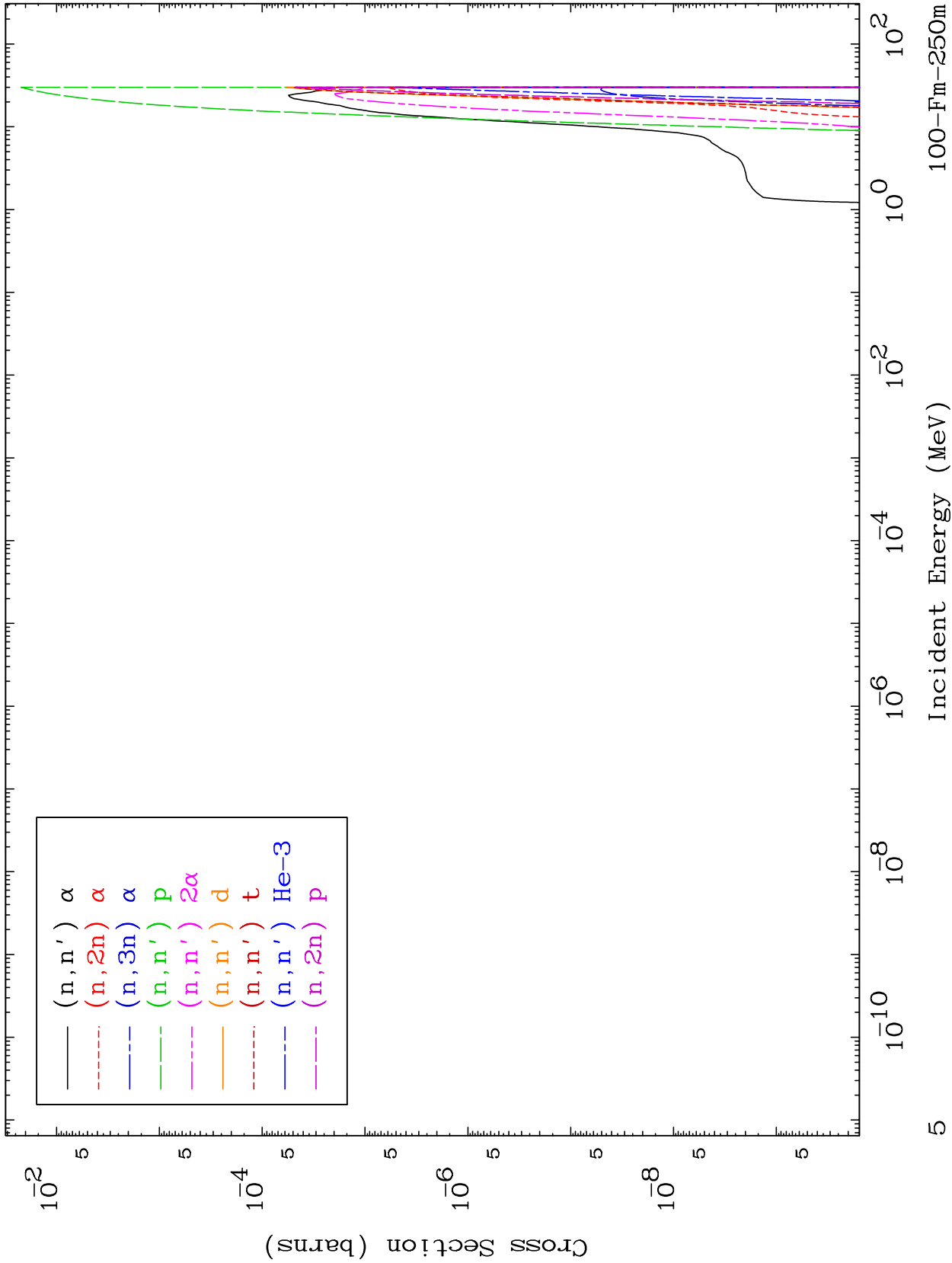
100-Fm-250m



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Charged Particle  
293 Kelvin Cross Sections

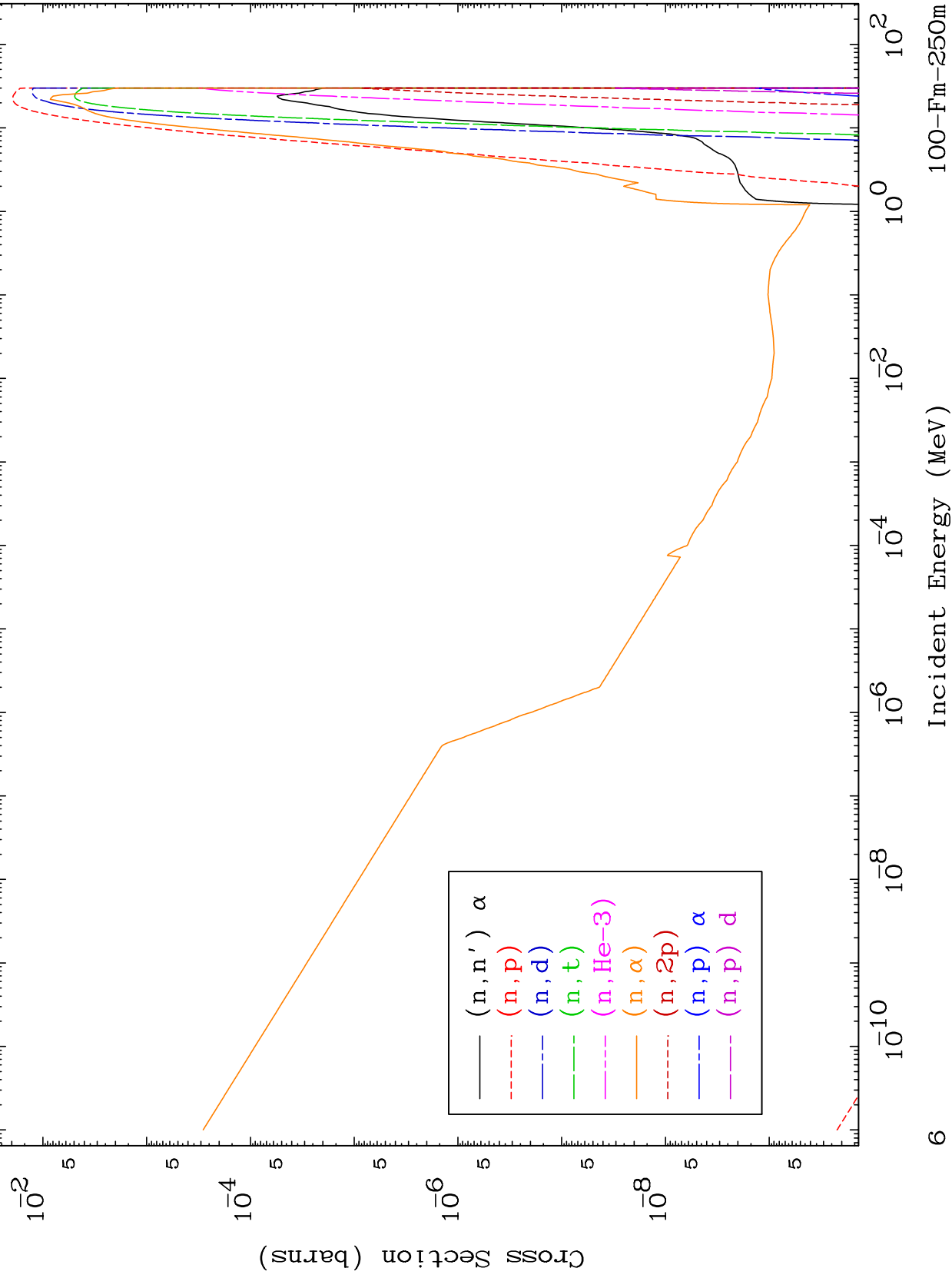
100-Fm-250m



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Charged Particle  
293 Kelvin Cross Sections

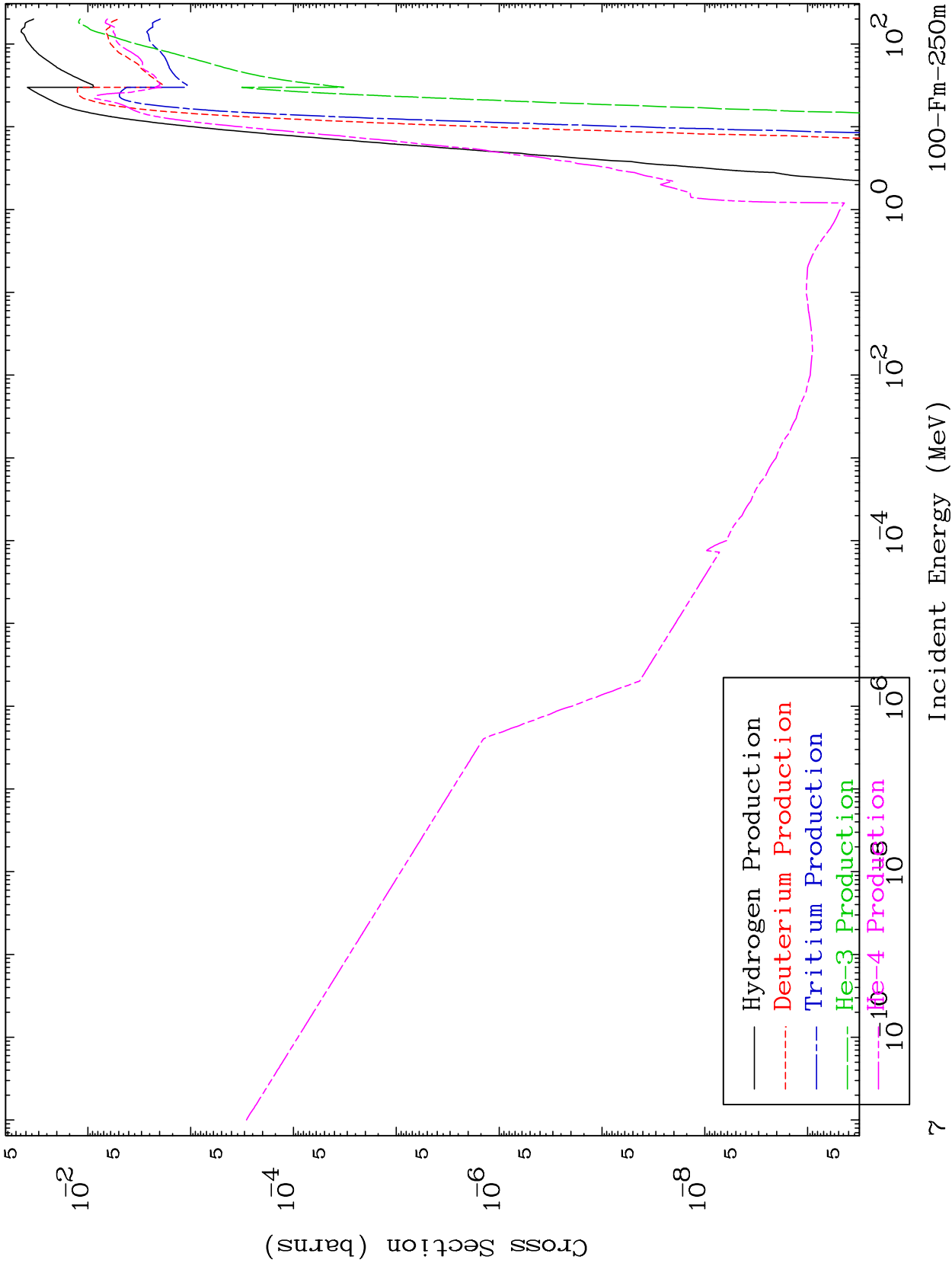
100-Fm-250m



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Particle Production  
293 Kelvin Cross Sections

100-Fm-250m

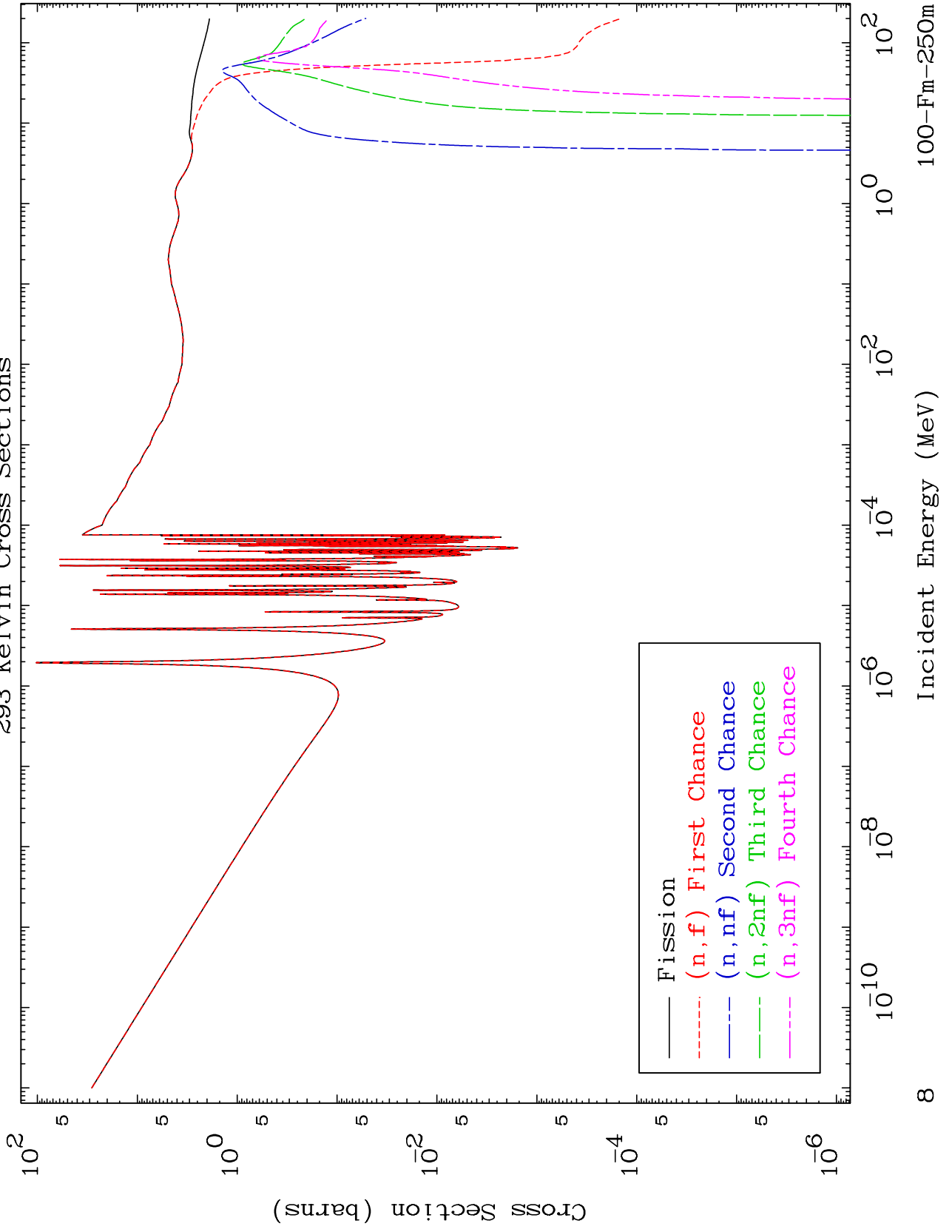




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Fission  
293 Kelvin Cross Sections

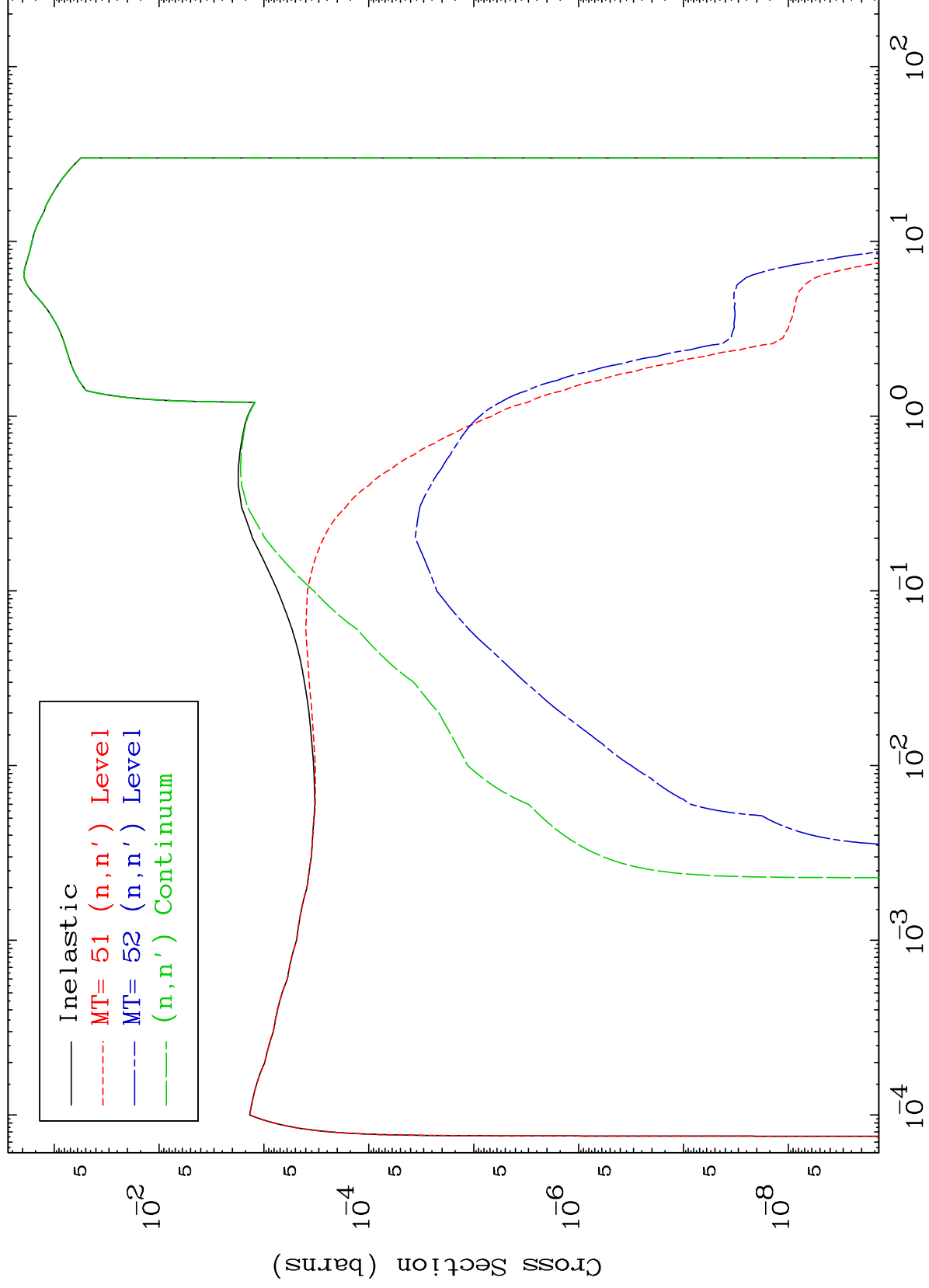
100-Fm-250m



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(n,n') Levels  
293 Kelvin Cross Sections

100-Fm-250m



9

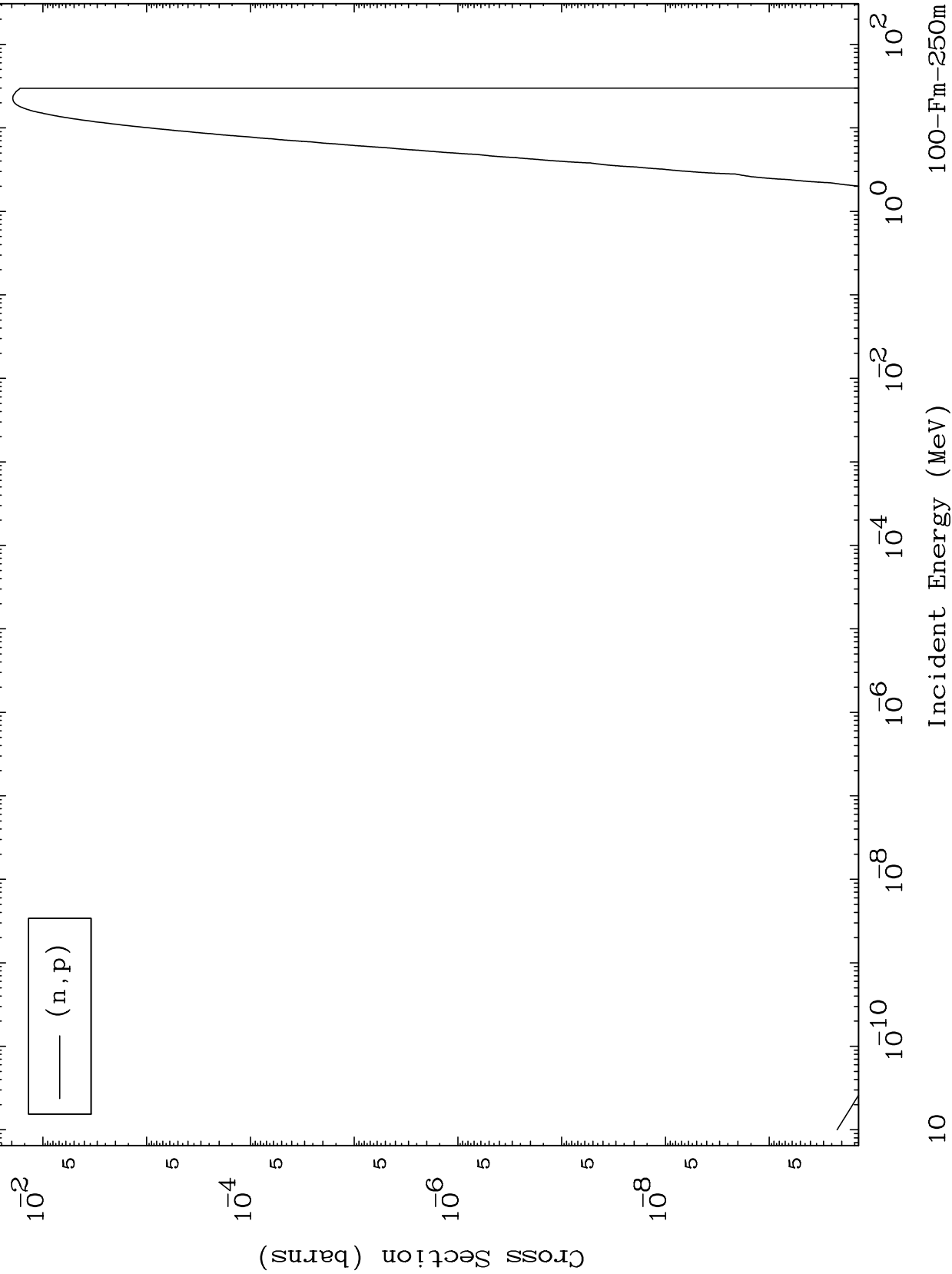
Incident Energy (MeV)

100-Fm-250m

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(n,p) Levels  
293 Kelvin Cross Sections

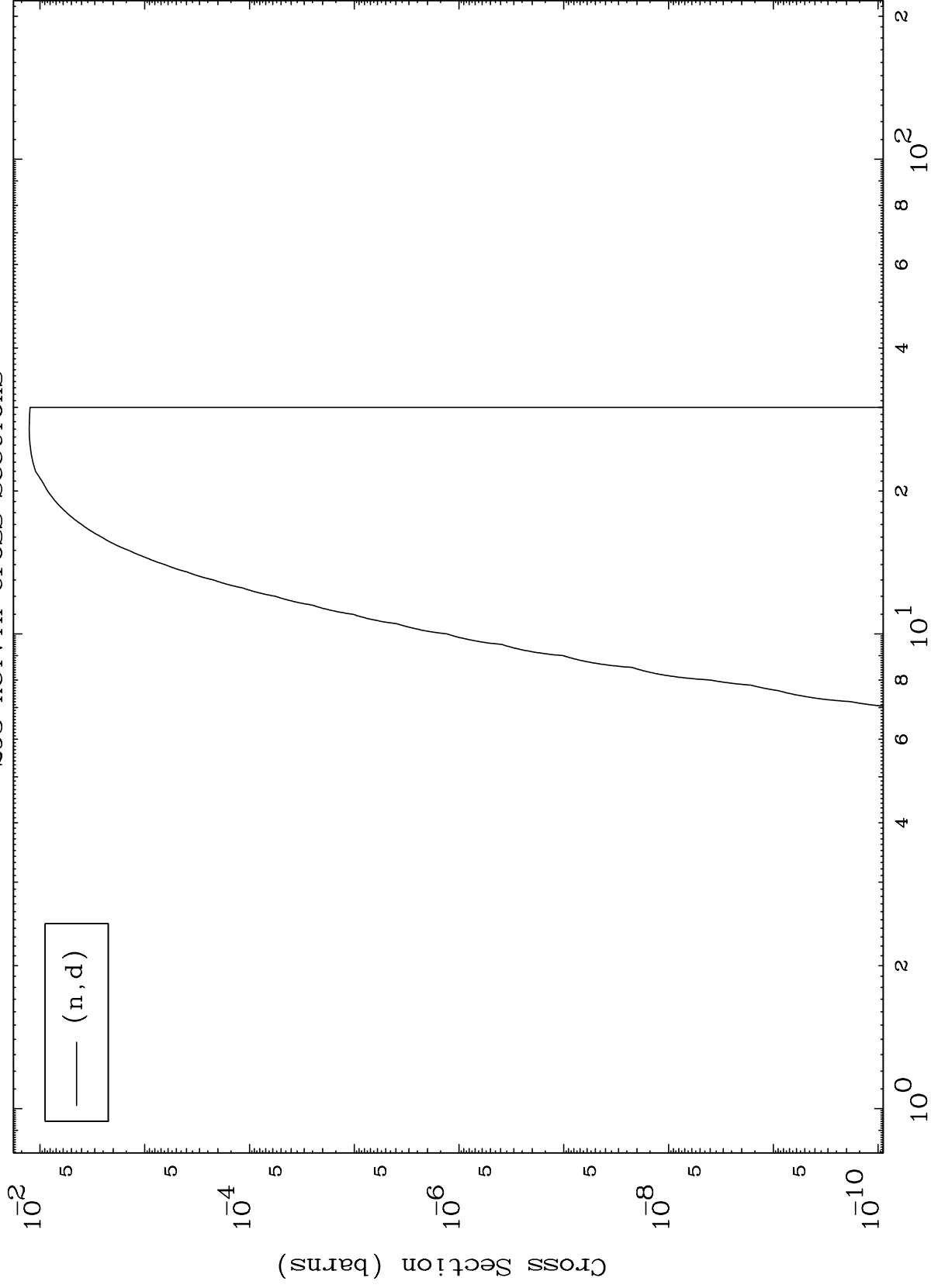
100-Fm-250m



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(n,d) Levels  
293 Kelvin Cross Sections

100-Fm-250m



11

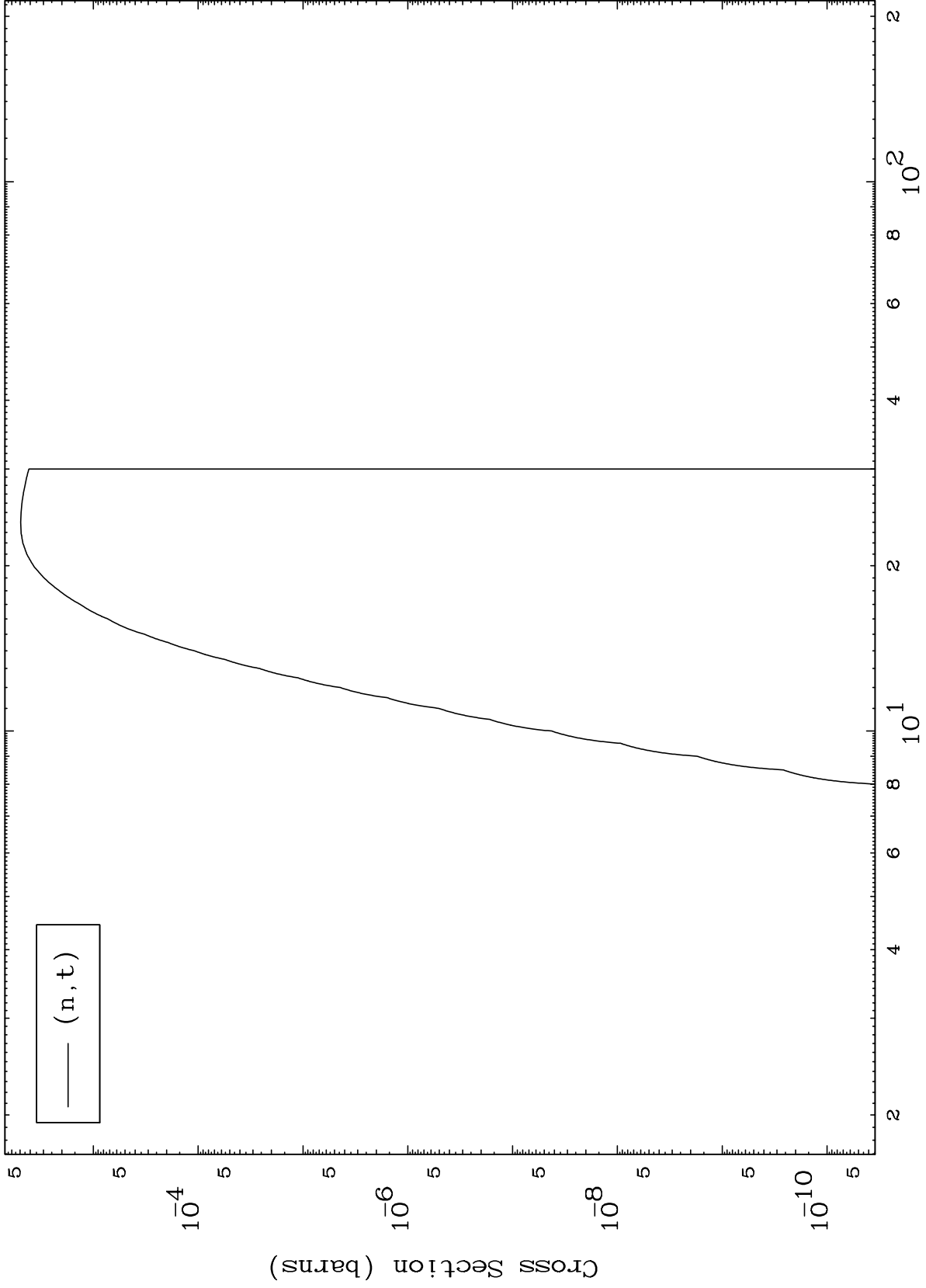
Incident Energy (MeV)

100-Fm-250m

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(n,t) Levels  
293 Kelvin Cross Sections

100-Fm-250m



12

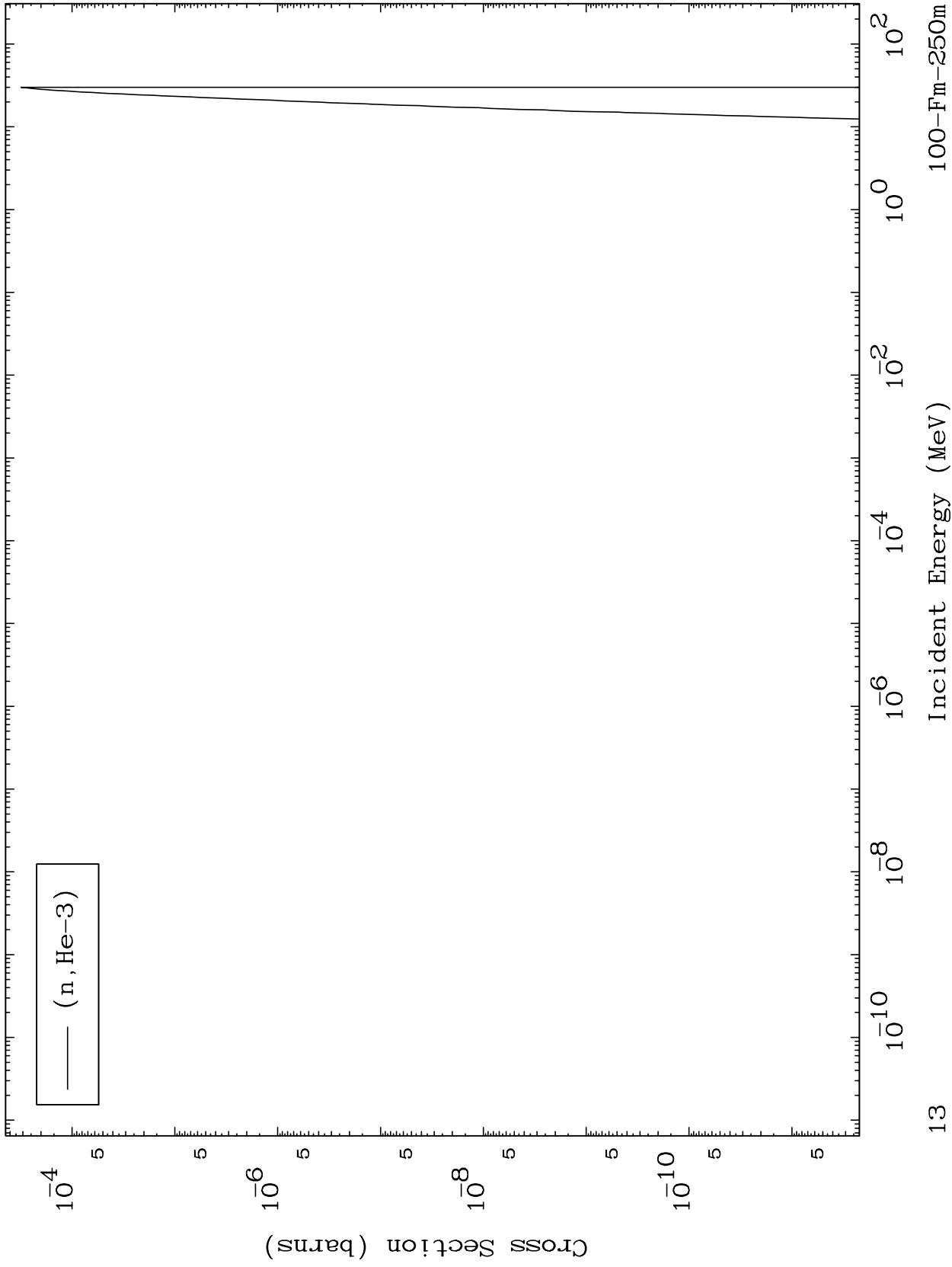
Incident Energy (MeV)

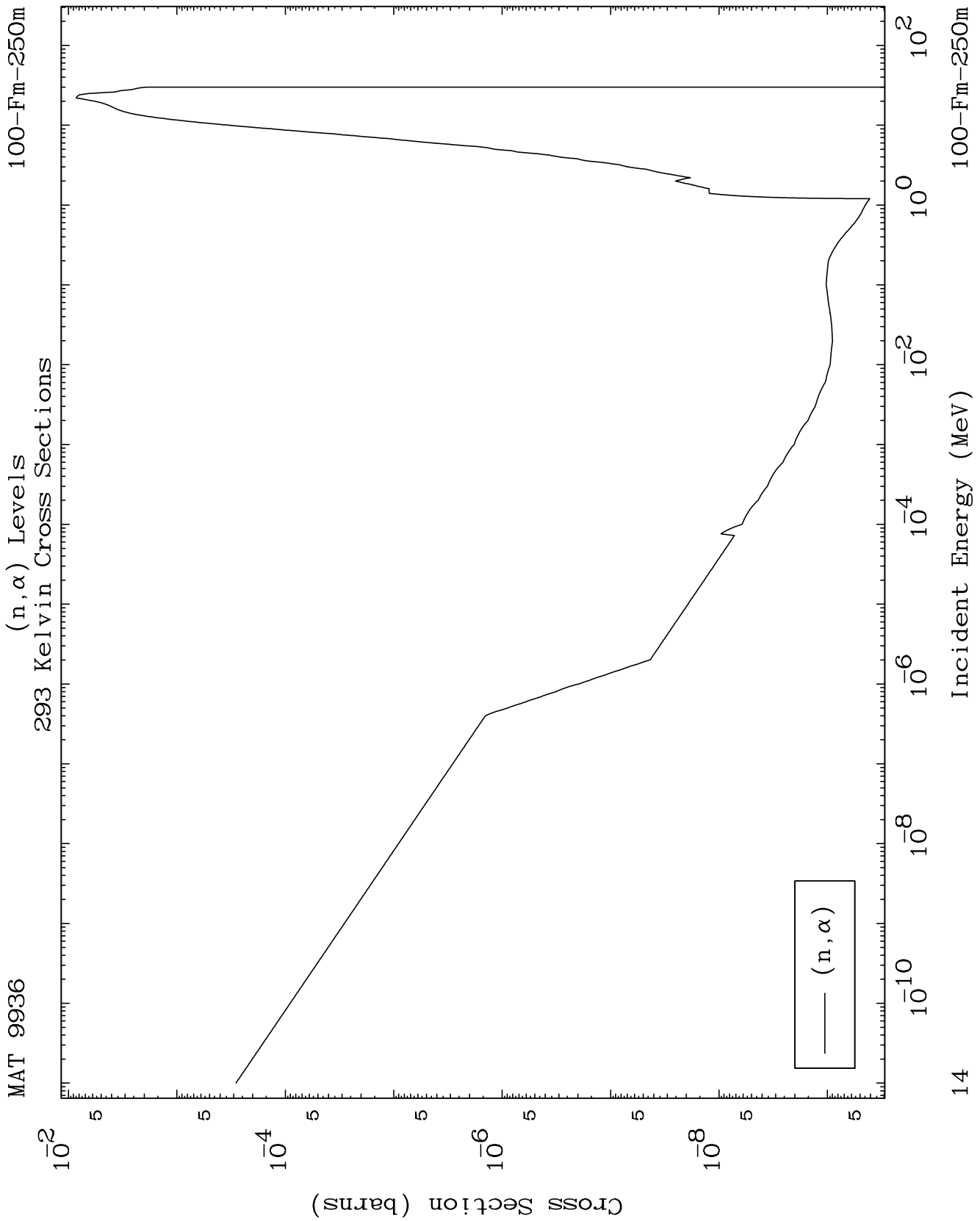
100-Fm-250m

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(n,He3) Levels  
293 Kelvin Cross Sections

100-Fm-250m

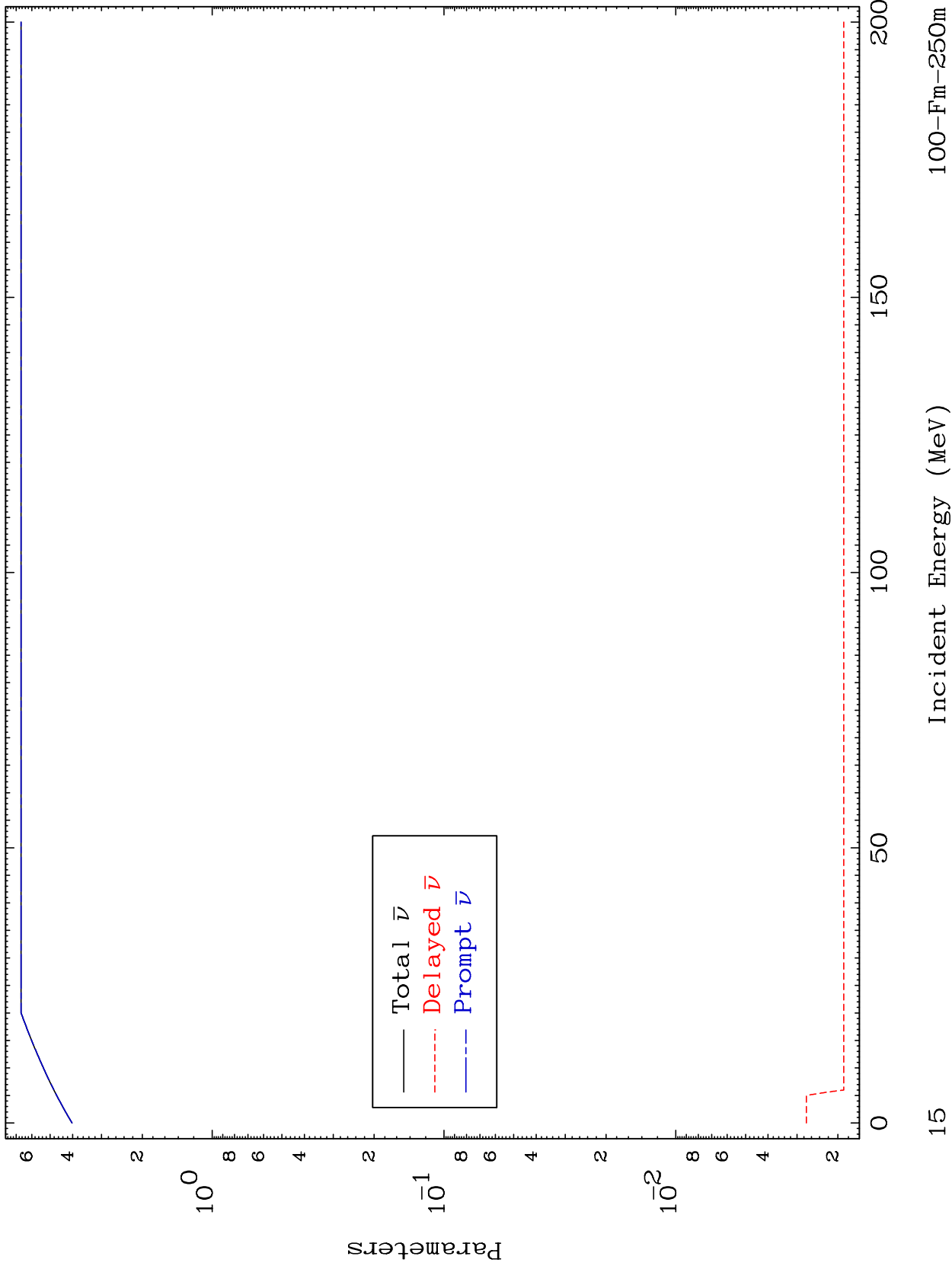




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Energy Release  
Parameters

100-Fm-250m



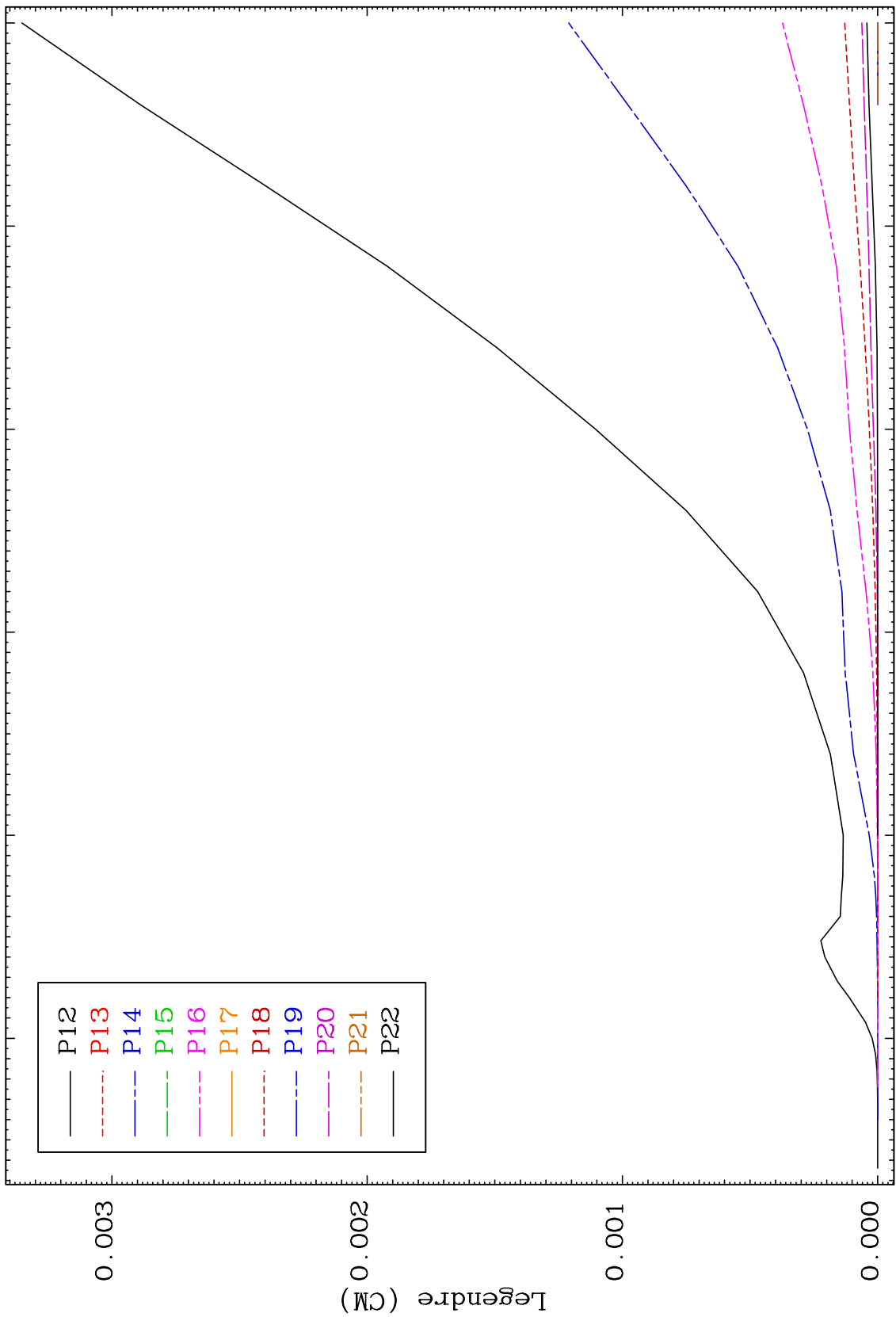




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Elastic Legendre Coefficients

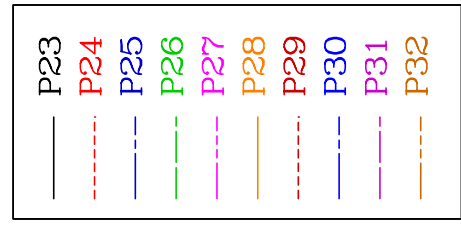
100-Fm-250m



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Elastic Legendre Coefficients

100-Fm-250m



$\times 10^{-6}$

Legendre (CM)

6

4

2

0

15

20

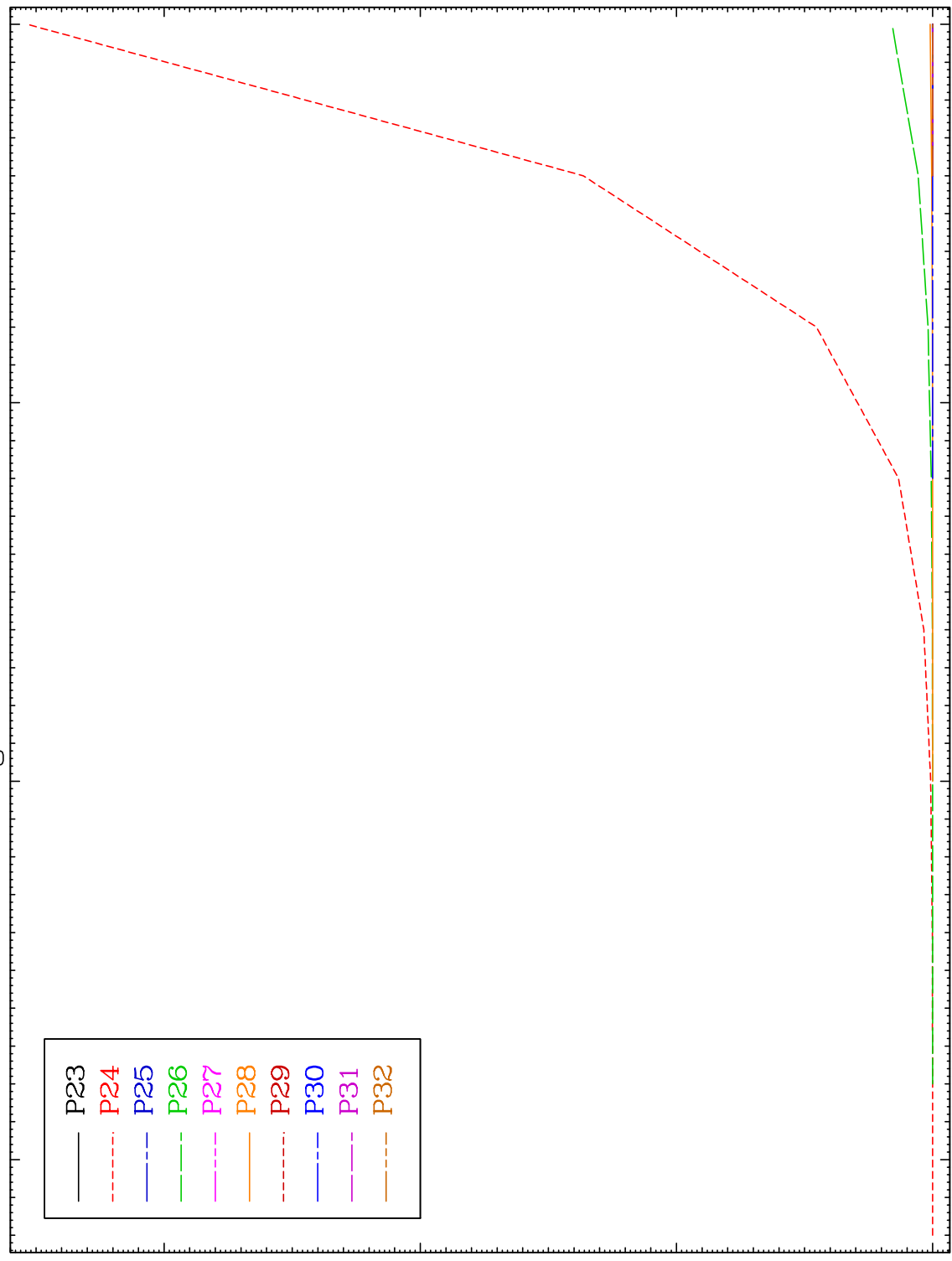
25

30

18

Incident Energy (MeV)

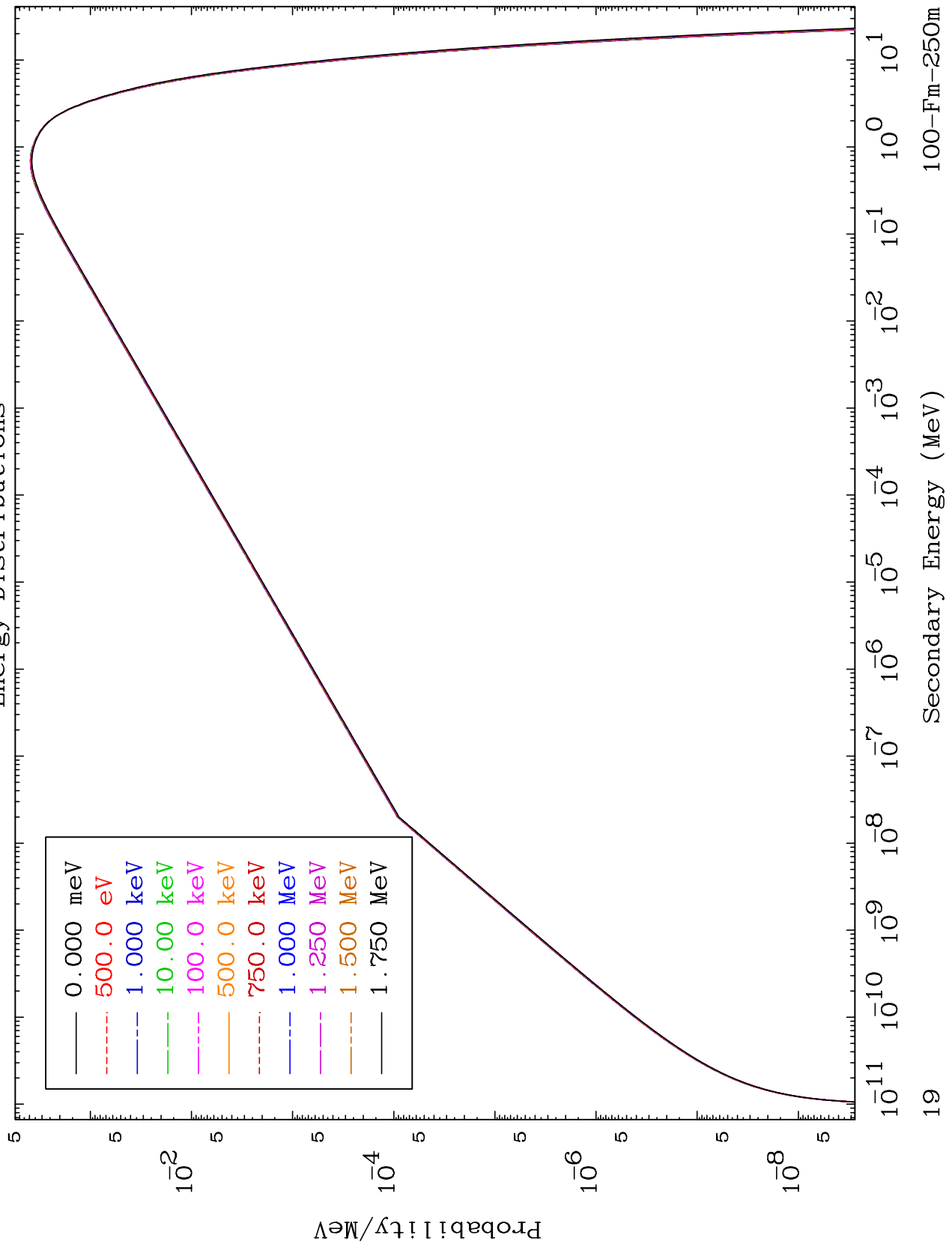
100-Fm-250m



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### Fission Energy Distributions

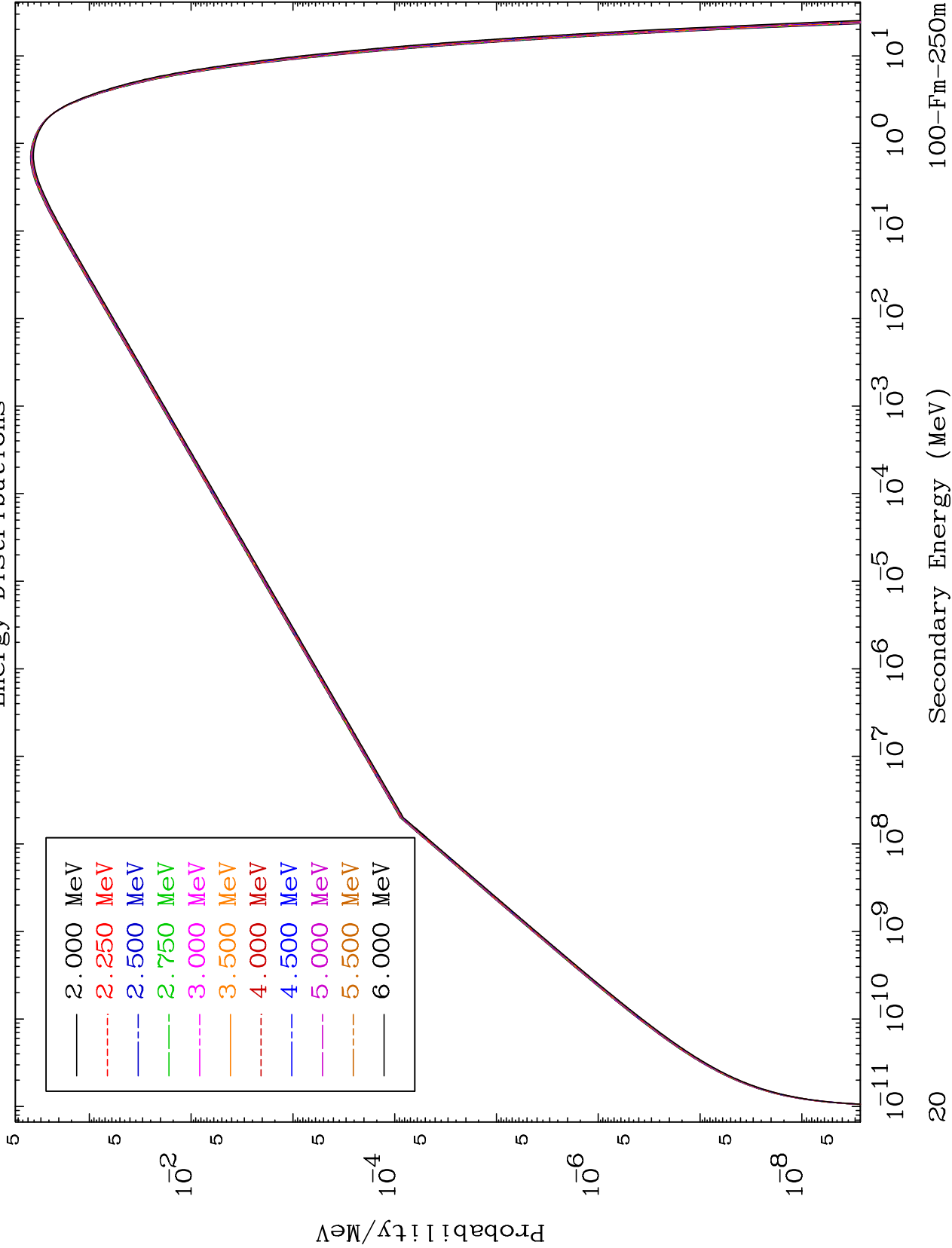
100-Fm-250m



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### Fission Energy Distributions

100-Fm-250m

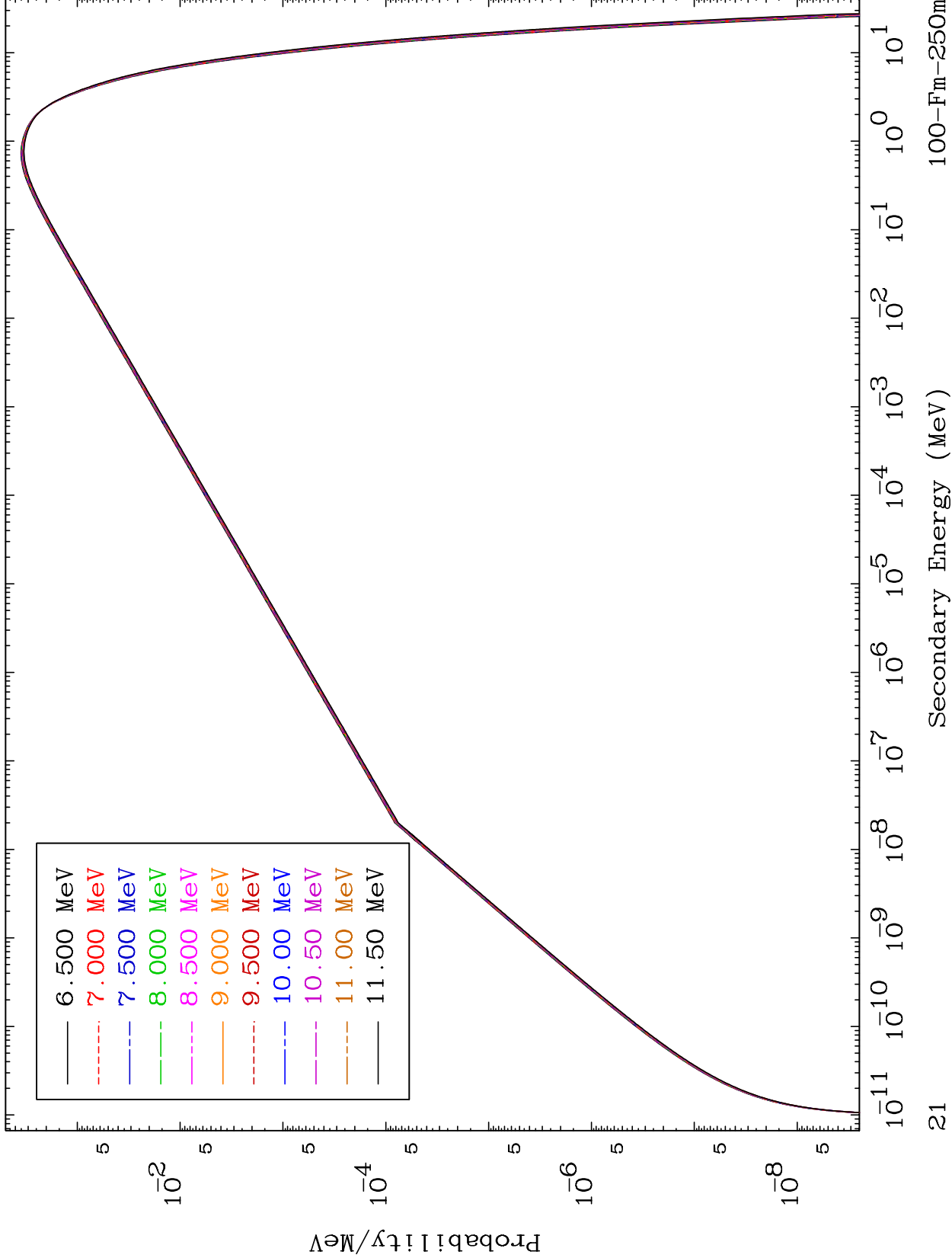


20

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### Fission Energy Distributions

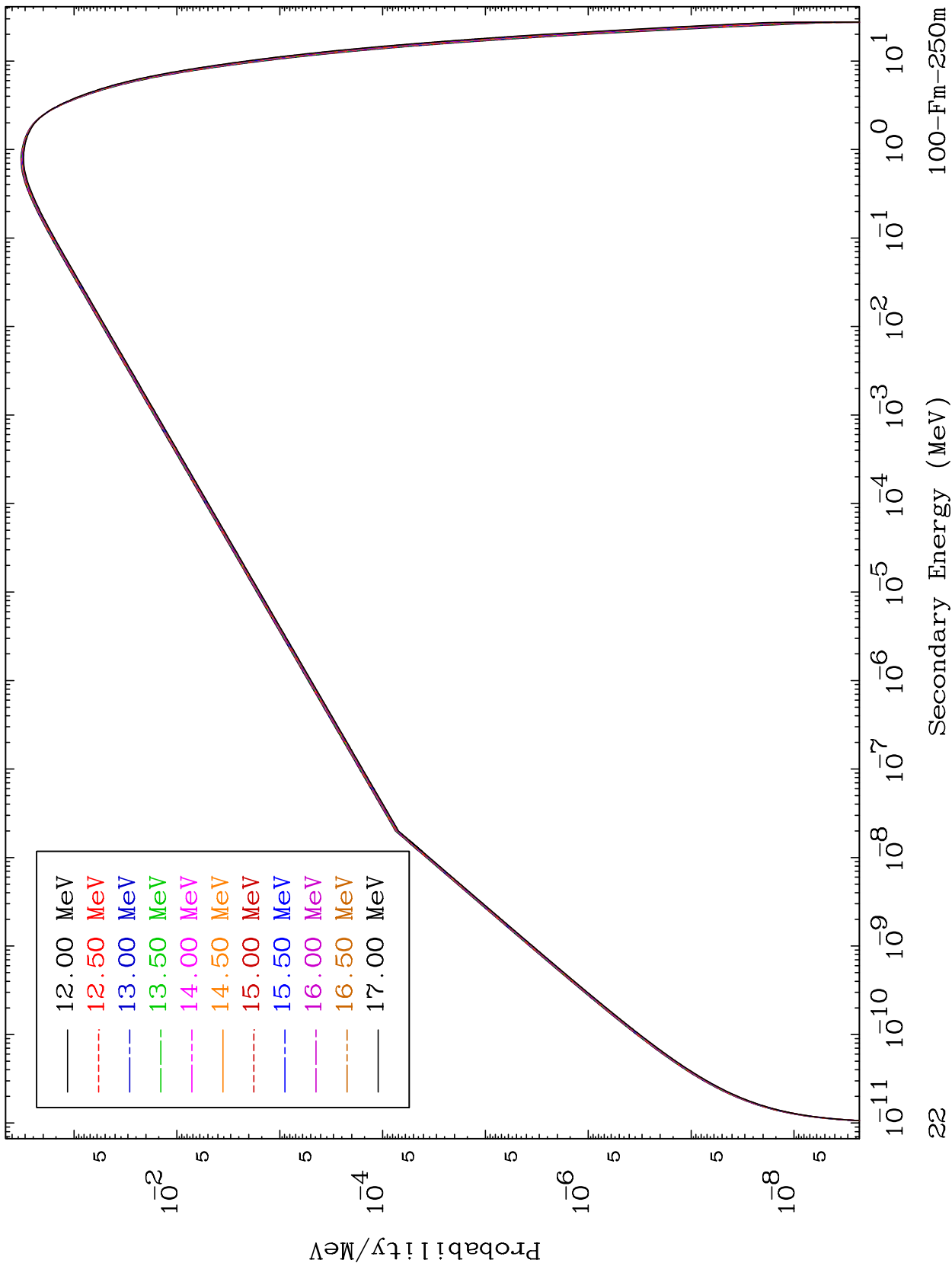
100-Fm-250m



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### Fission Energy Distributions

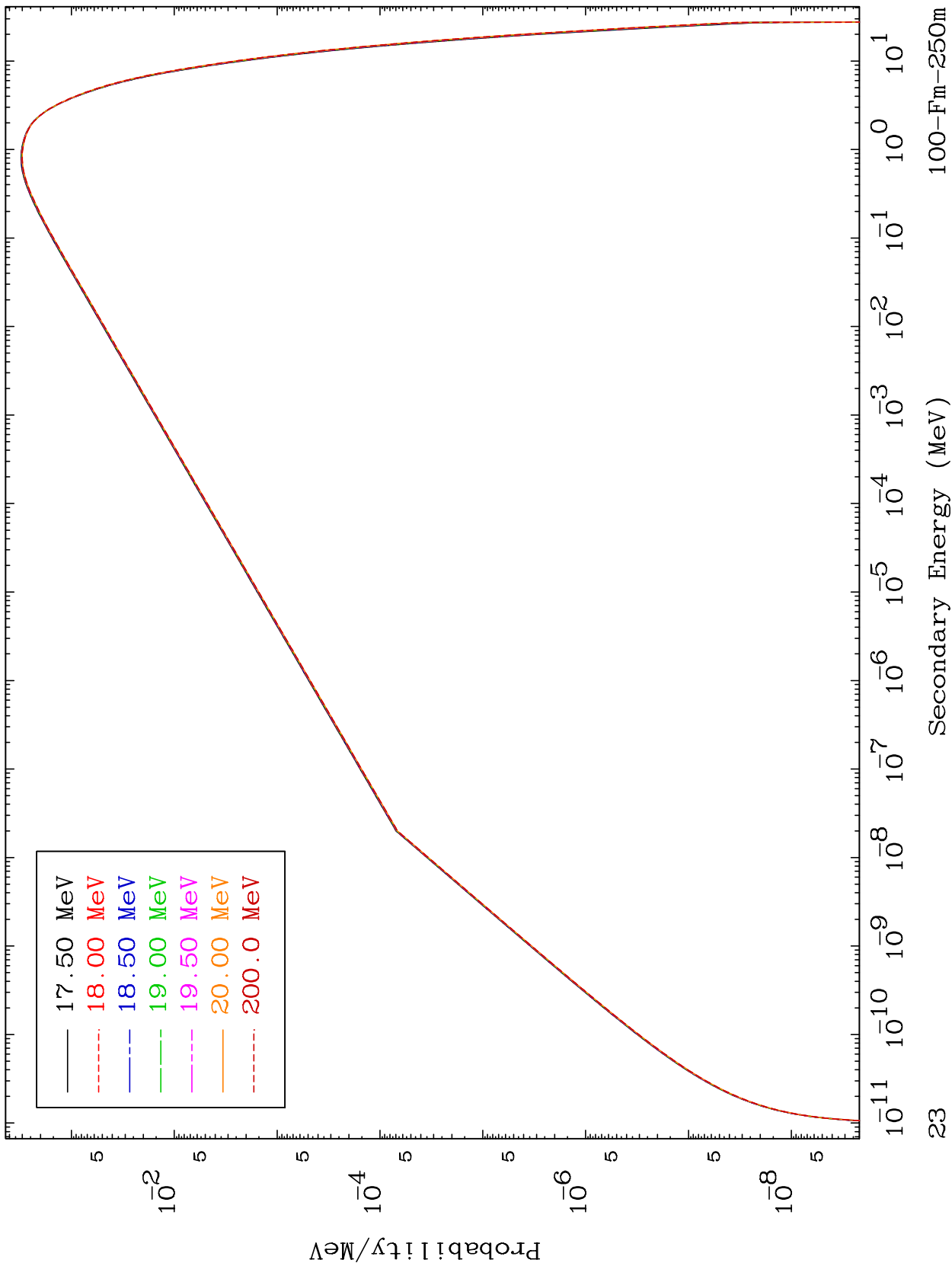
100-Fm-250m



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Fission Energy Distributions

100-Fm-250m

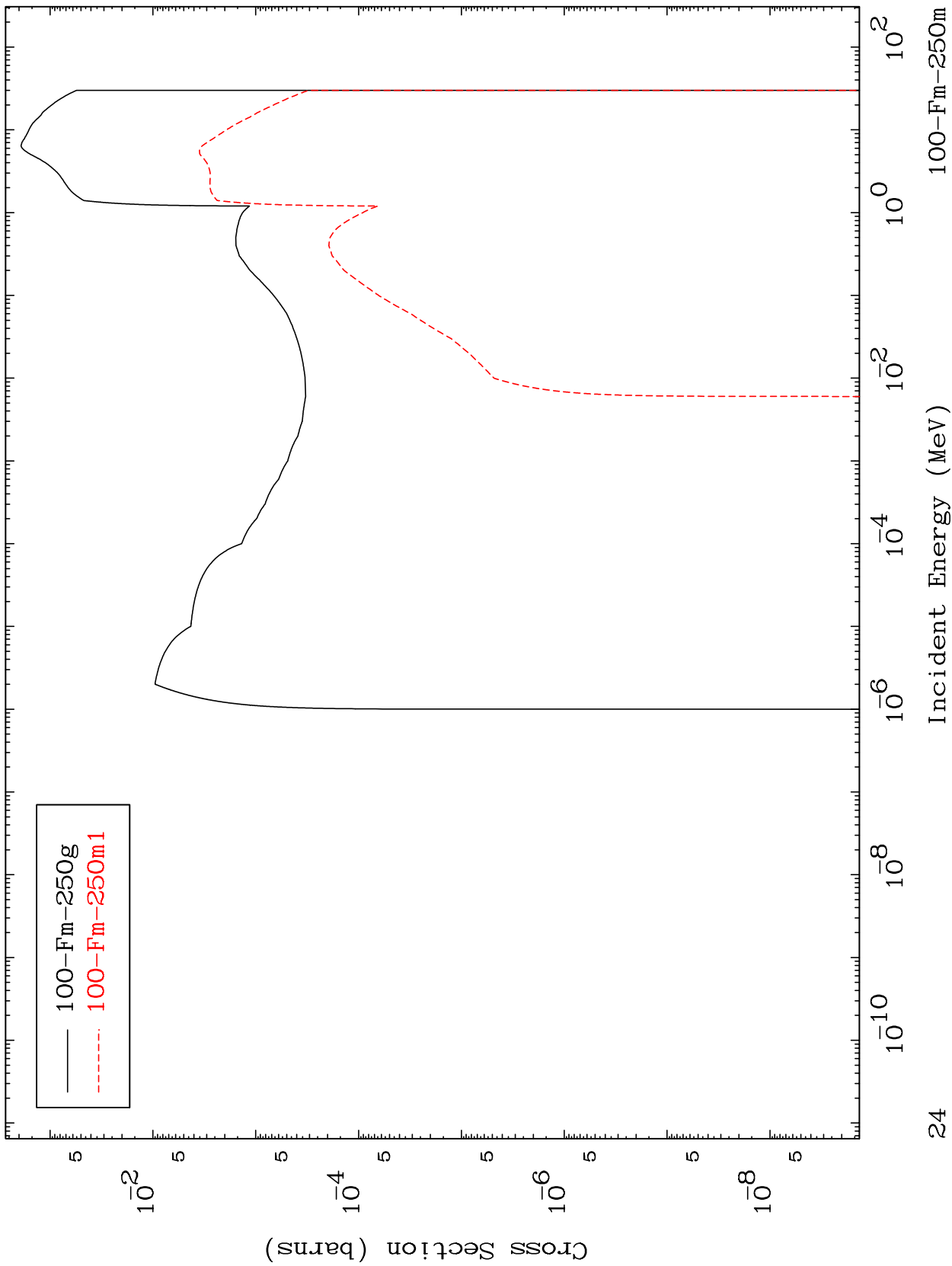




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100-Fm-250m

Inelastic  
Radionuclide Production Cross Section

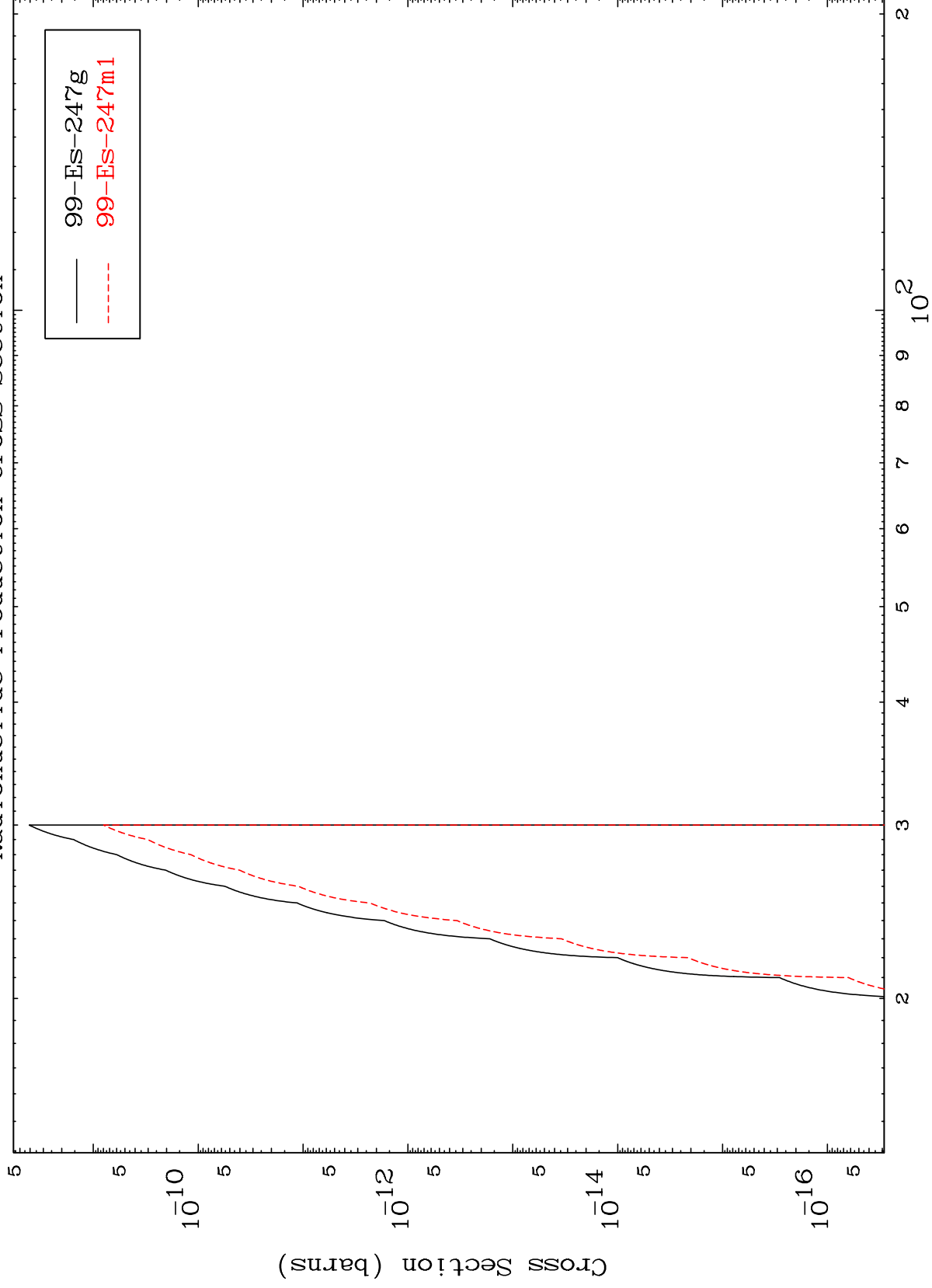


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(n,2n) d

100-Fm-250m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

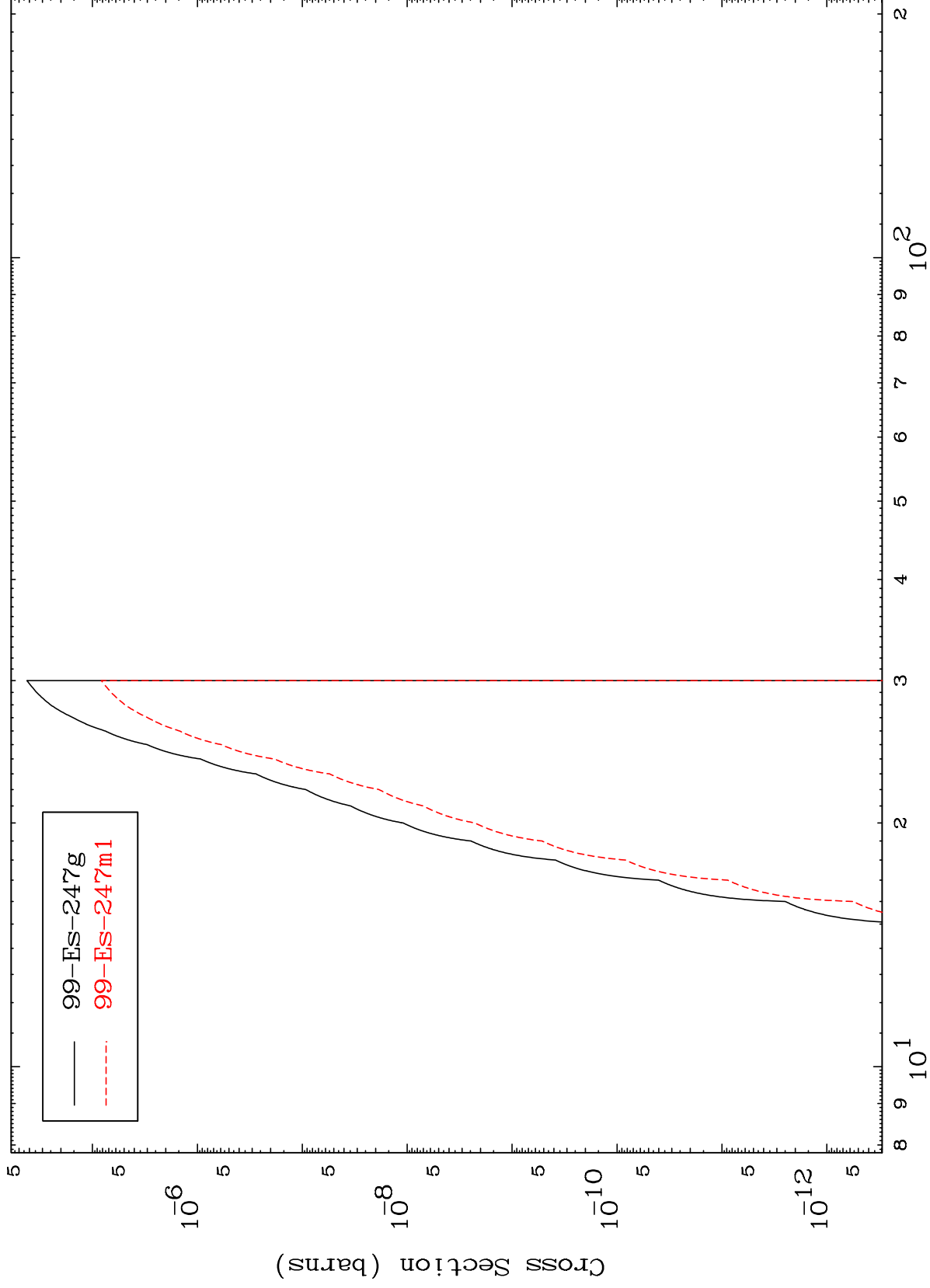
100-Fm-250m

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(n,n') t

100-Fm-250m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

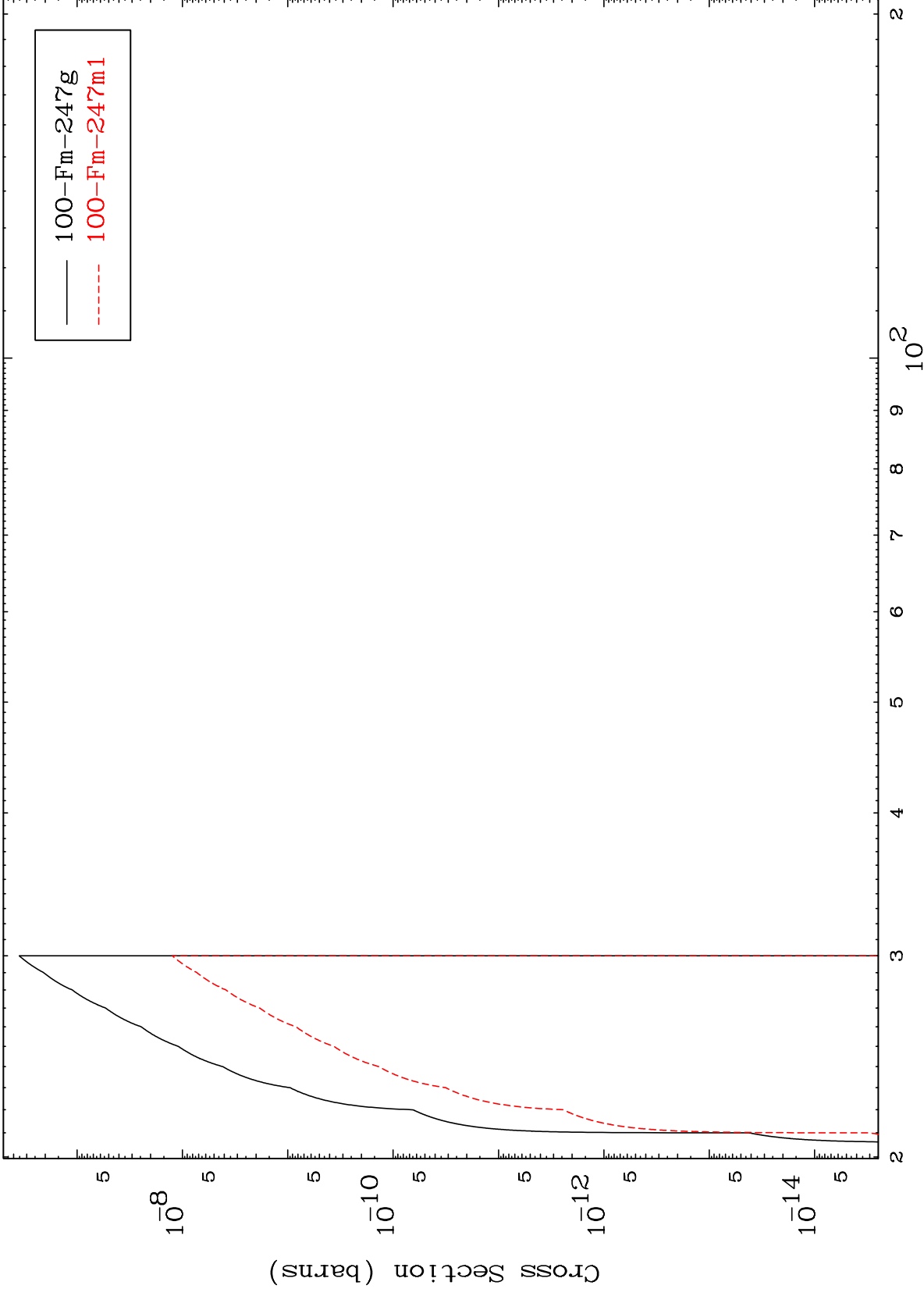
100-Fm-250m

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(n,4n)

100-Fm-250m

Radionuclide Production Cross Section



27

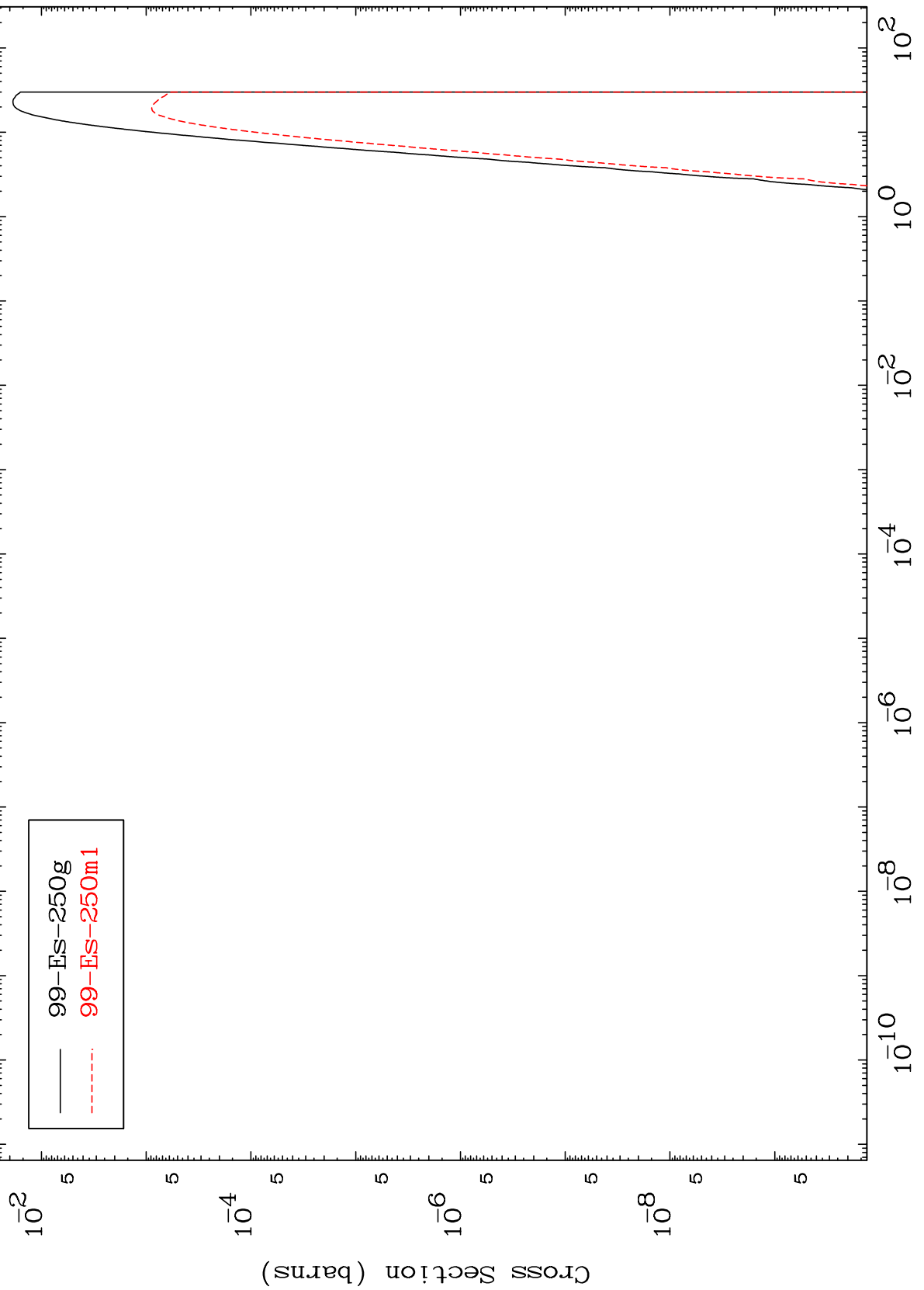
Incident Energy (MeV)

100-Fm-250m

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100-Fm-250m

(n,p)  
Radionuclide Production Cross Section



99-Es-250g  
99-Es-250m1

Incident Energy (MeV)

100-Fm-250m