

Program EVALPLOT
(Version 2021-1)

by

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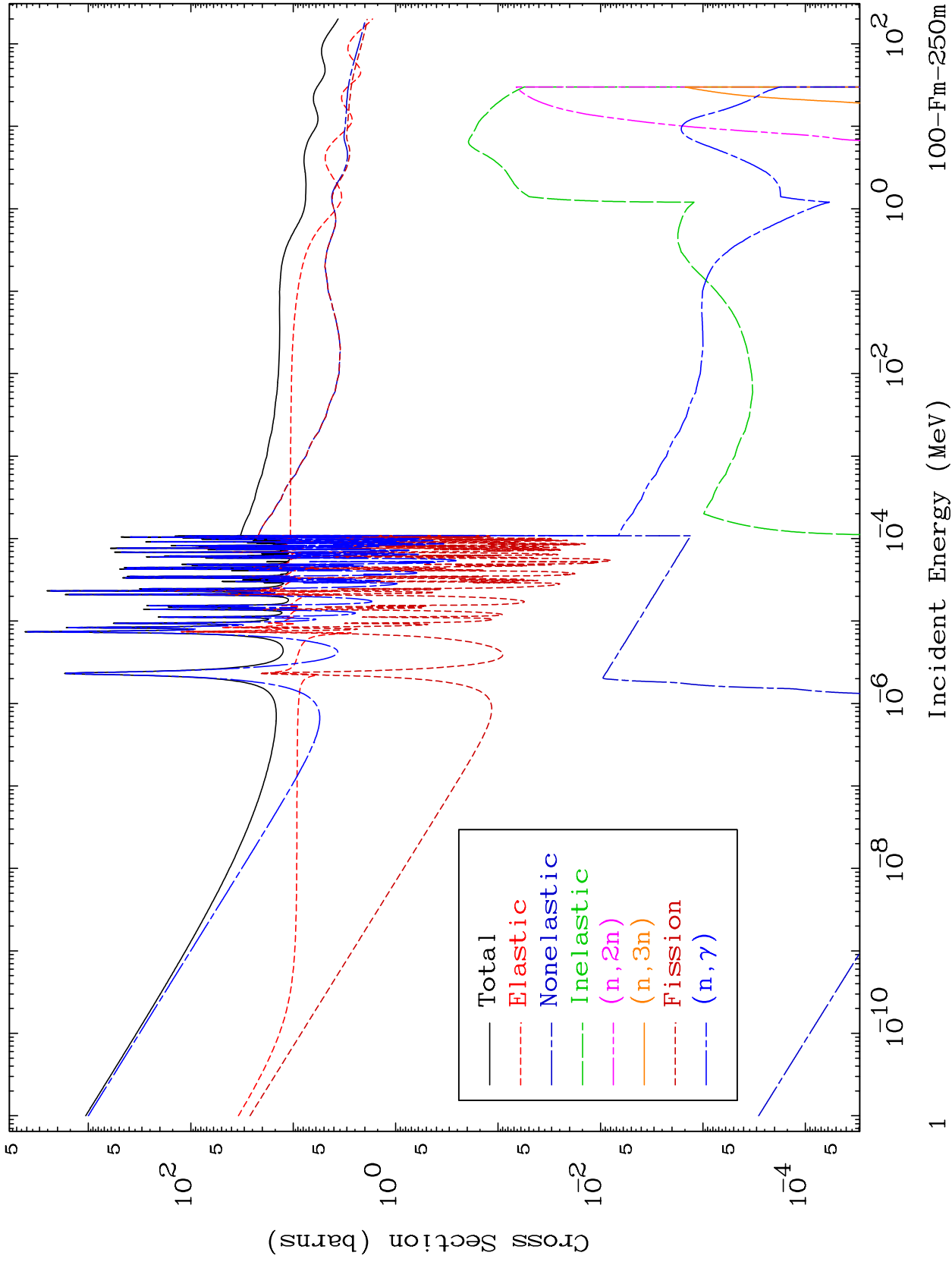
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9936

Neutron Major
293 Kelvin Cross Sections

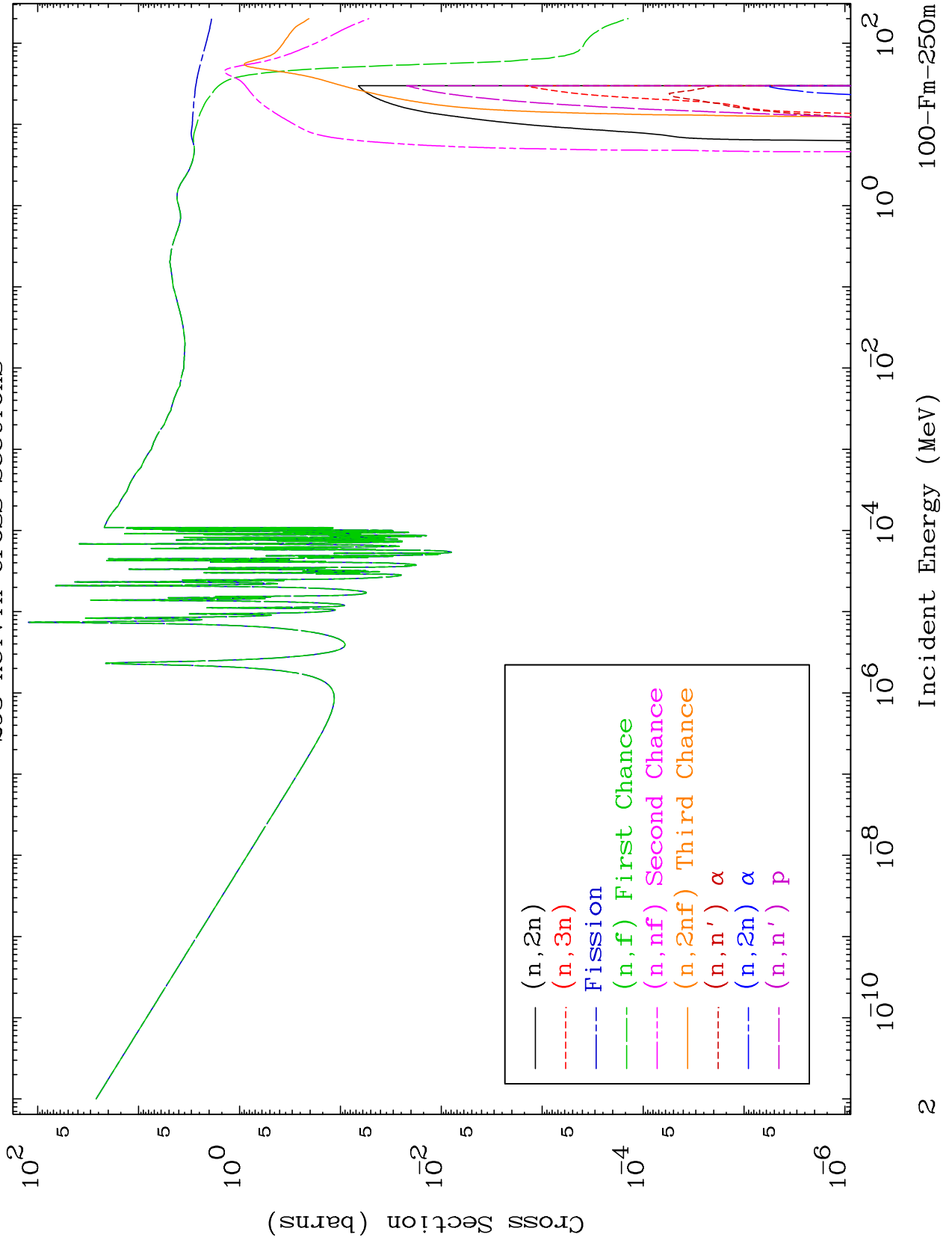
100-Fm-250m



MAT 9936

Neutron Absorption
293 Kelvin Cross Sections

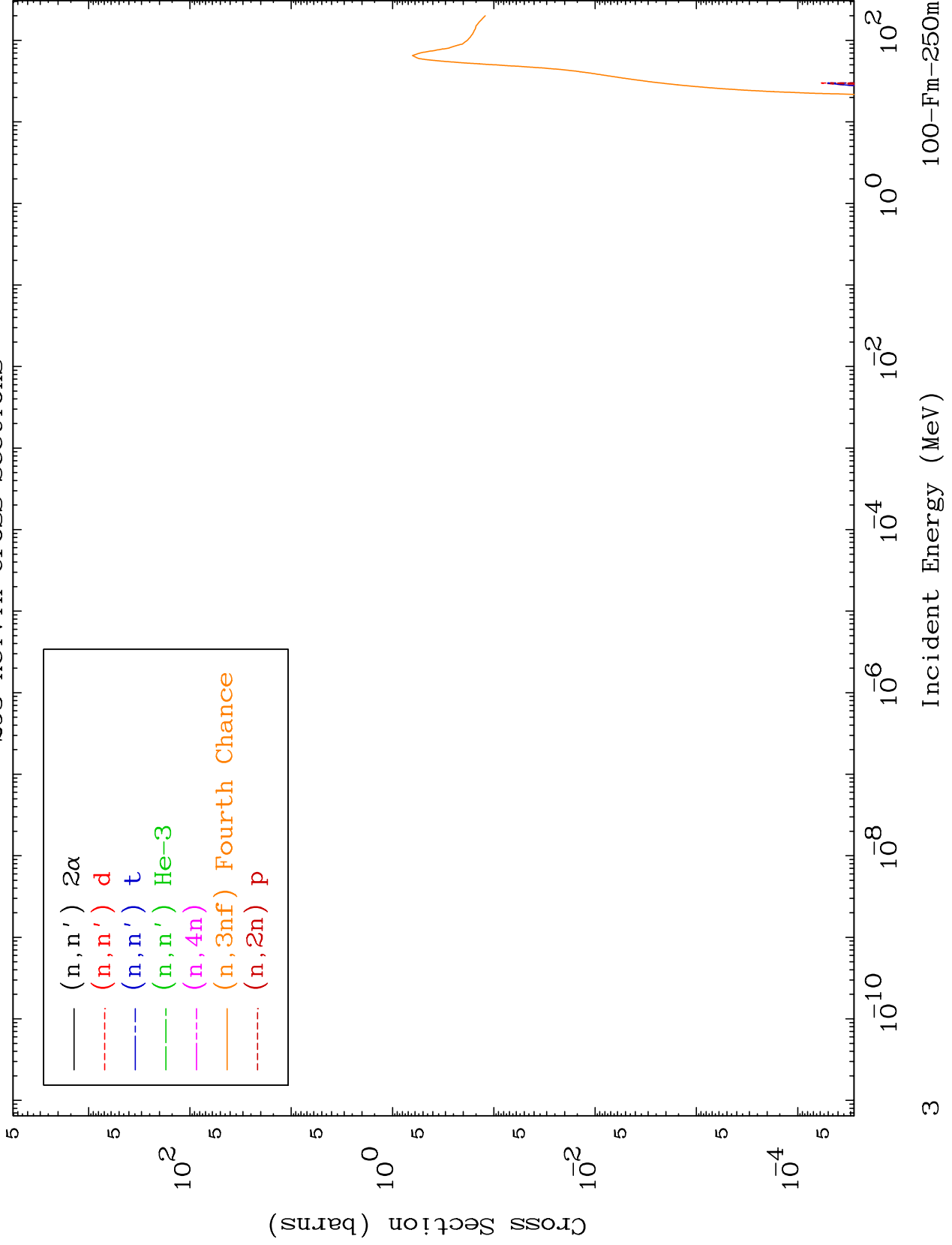
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Neutron Absorption
293 Kelvin Cross Sections

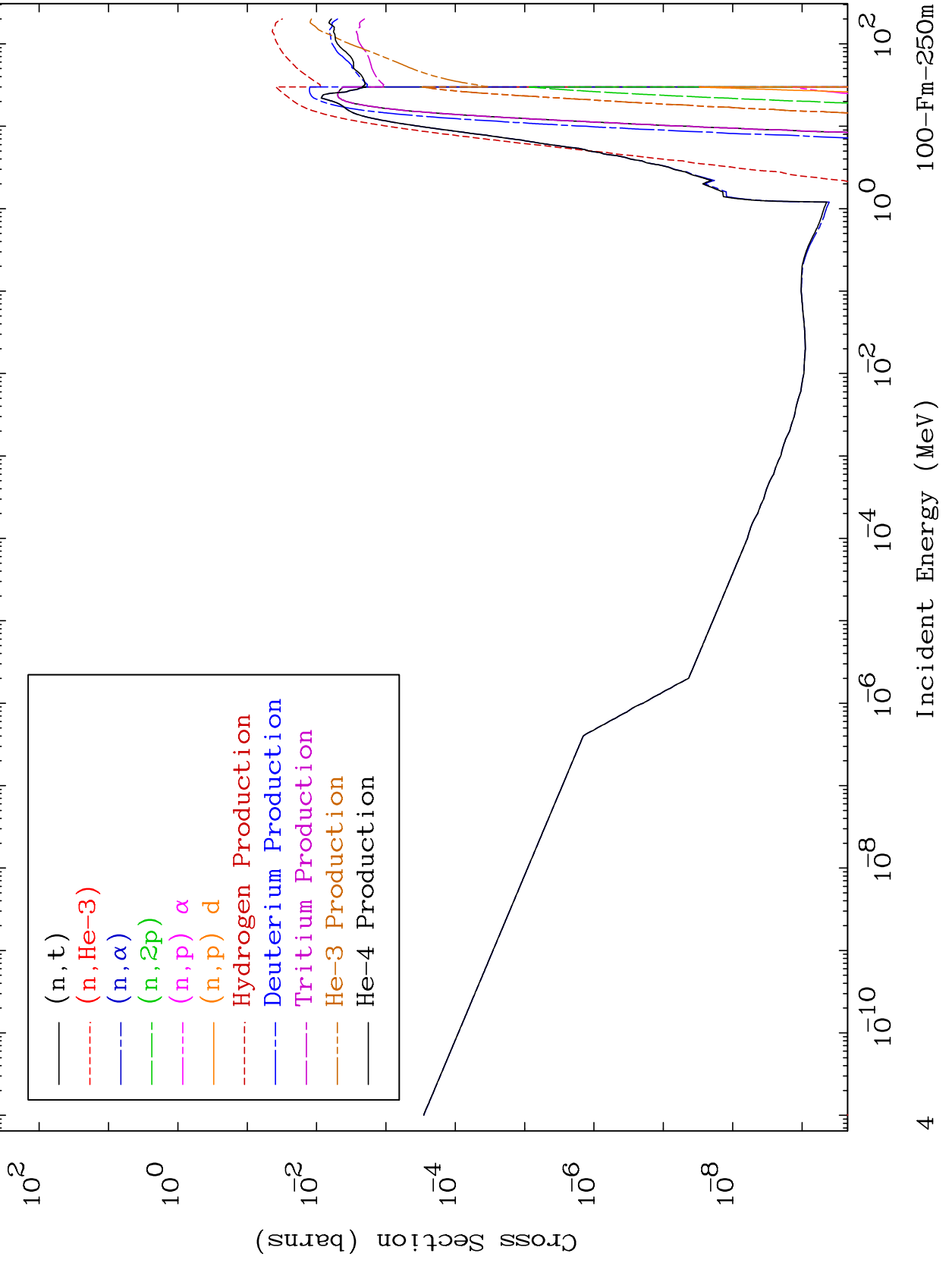
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Neutron Absorption
293 Kelvin Cross Sections

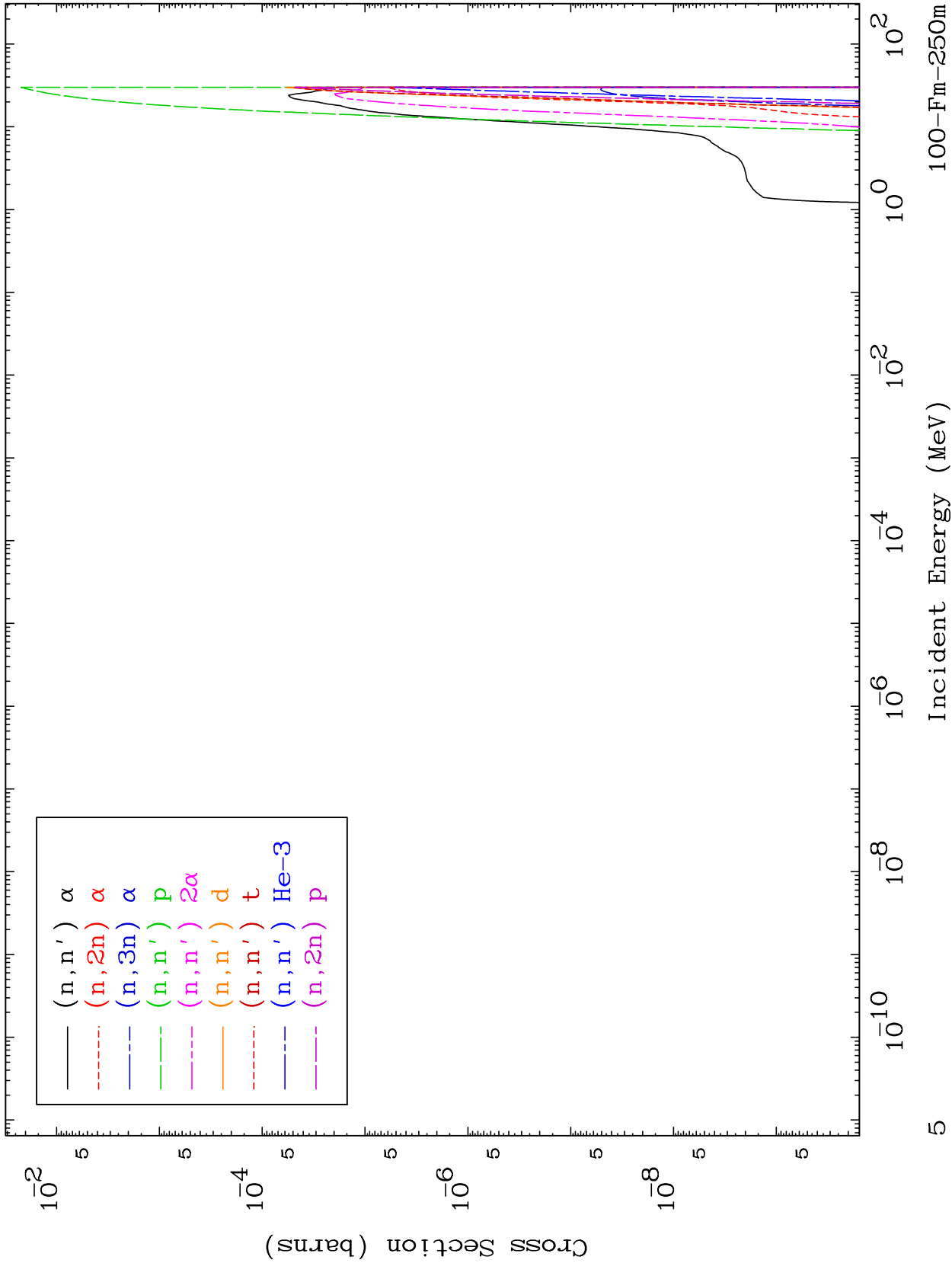
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MAT 9936

Charged Particle
293 Kelvin Cross Sections

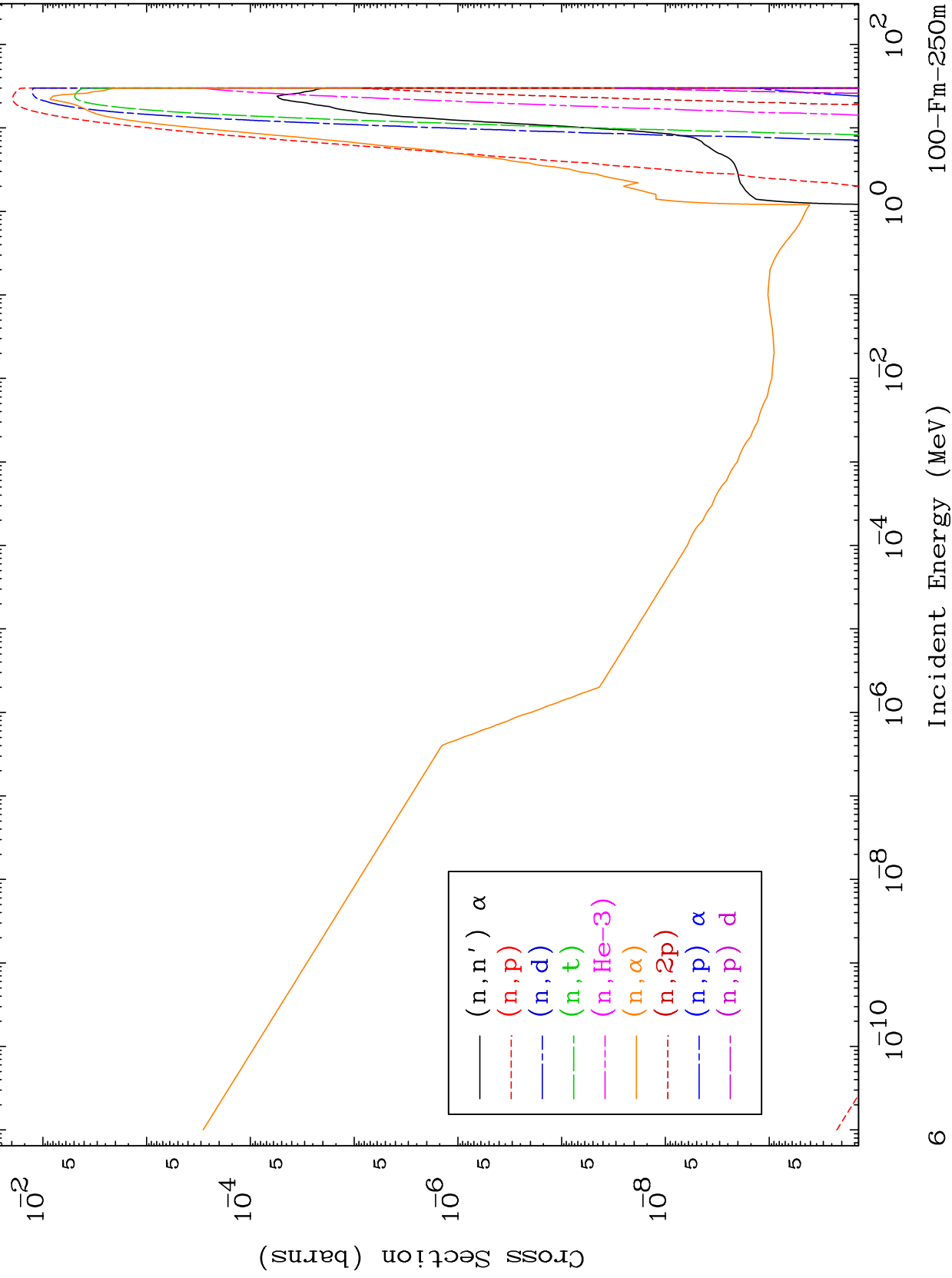
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Charged Particle
293 Kelvin Cross Sections

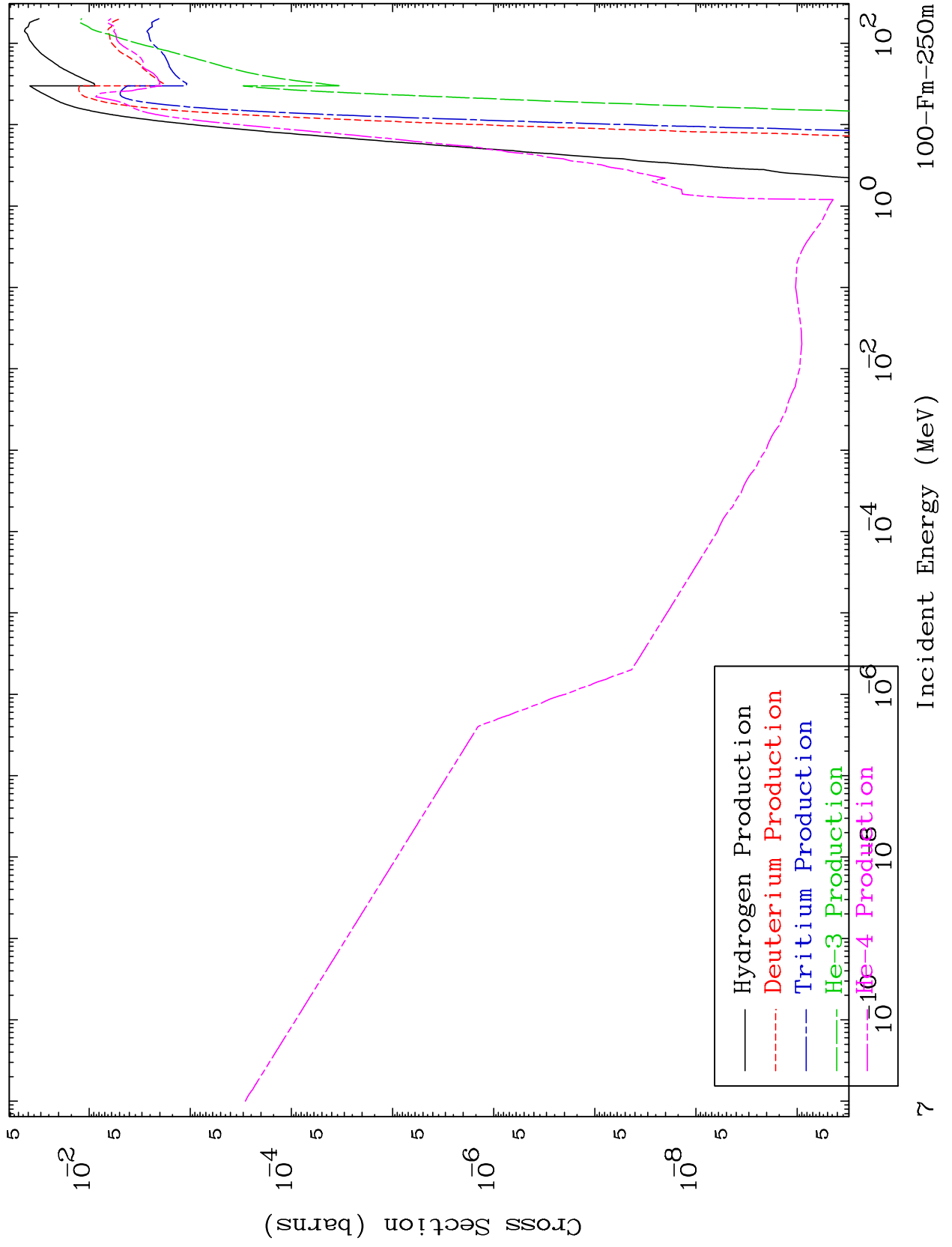
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Particle Production
293 Kelvin Cross Sections

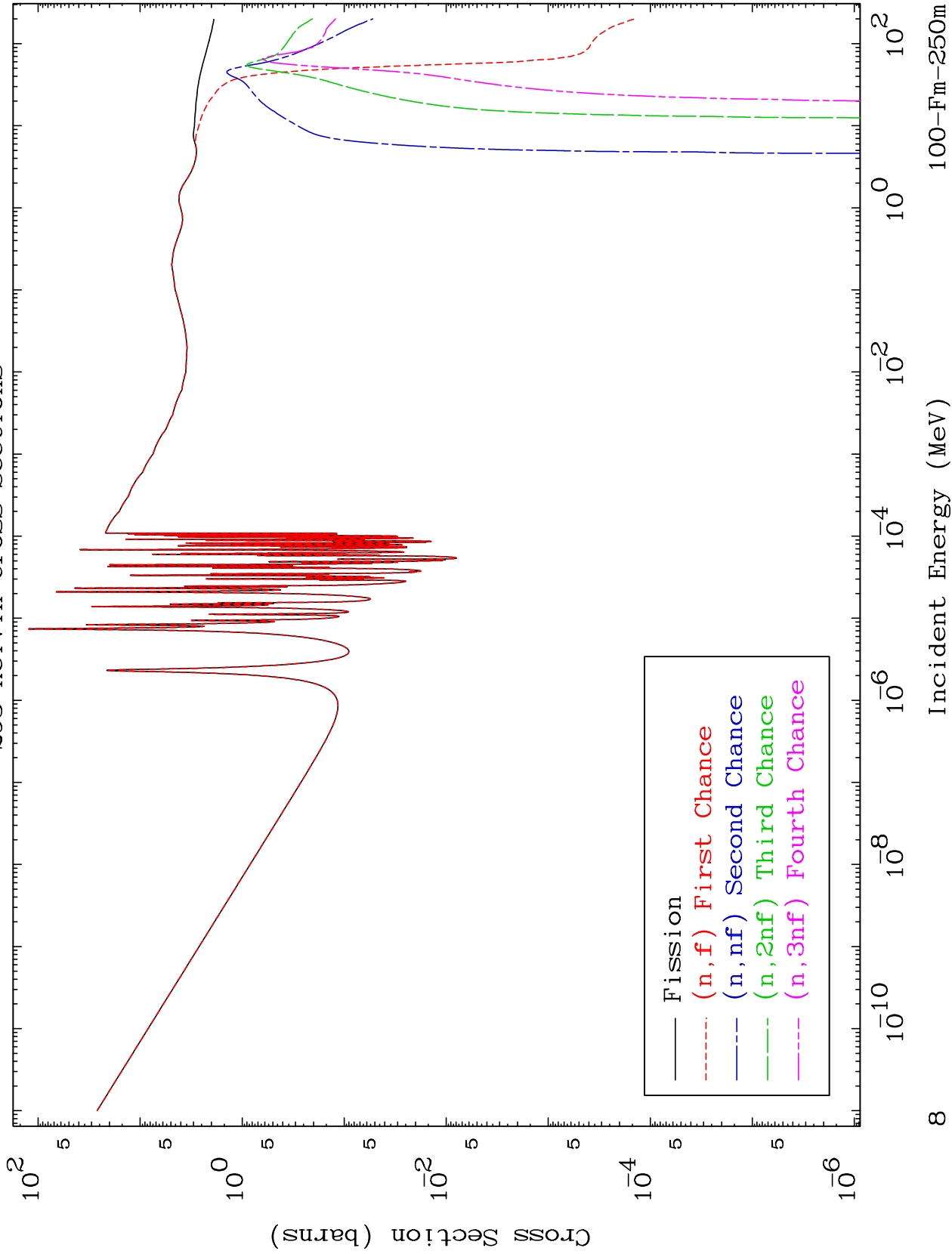
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Fission
293 Kelvin Cross Sections

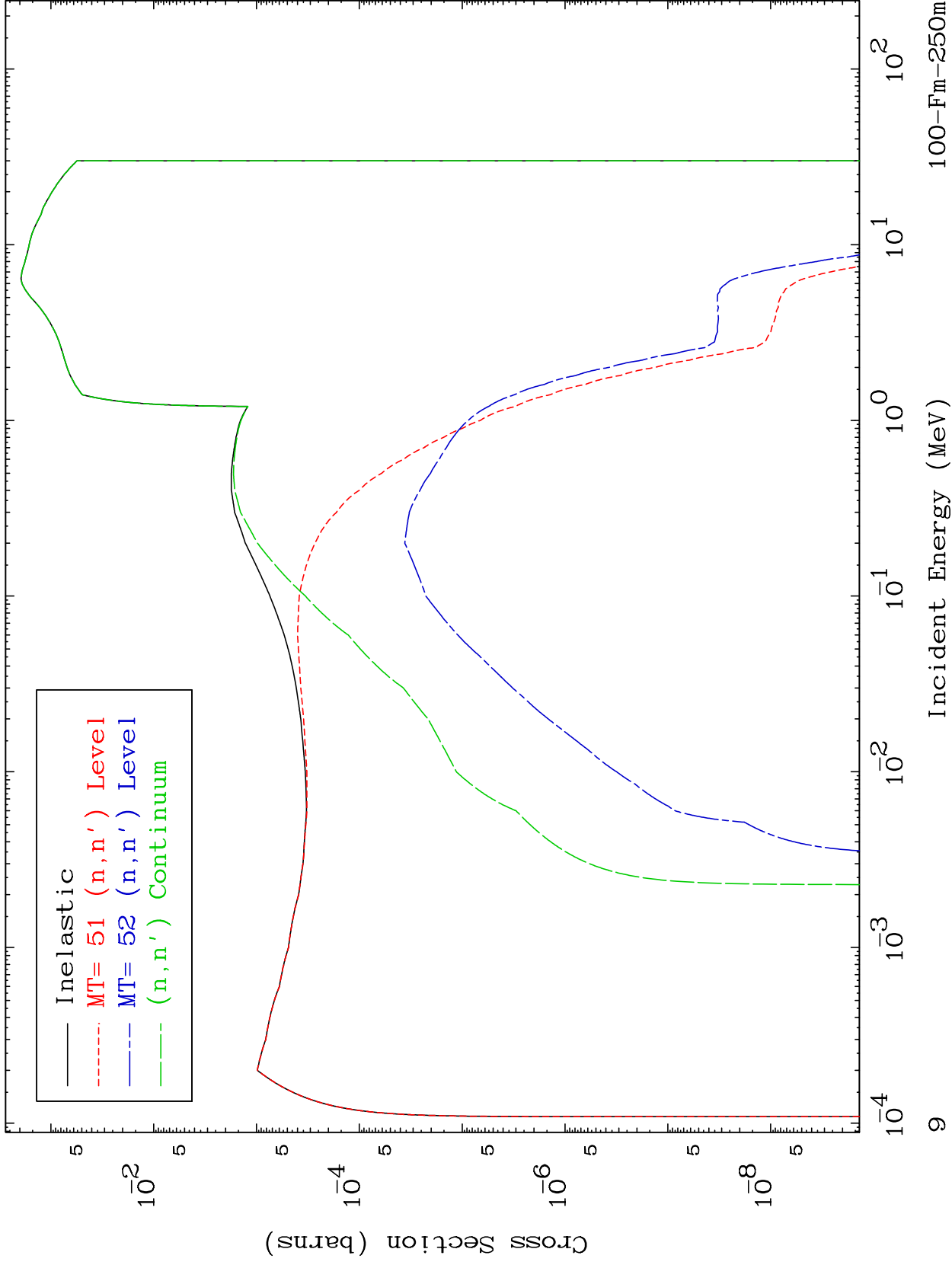
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(n,n') Levels
293 Kelvin Cross Sections

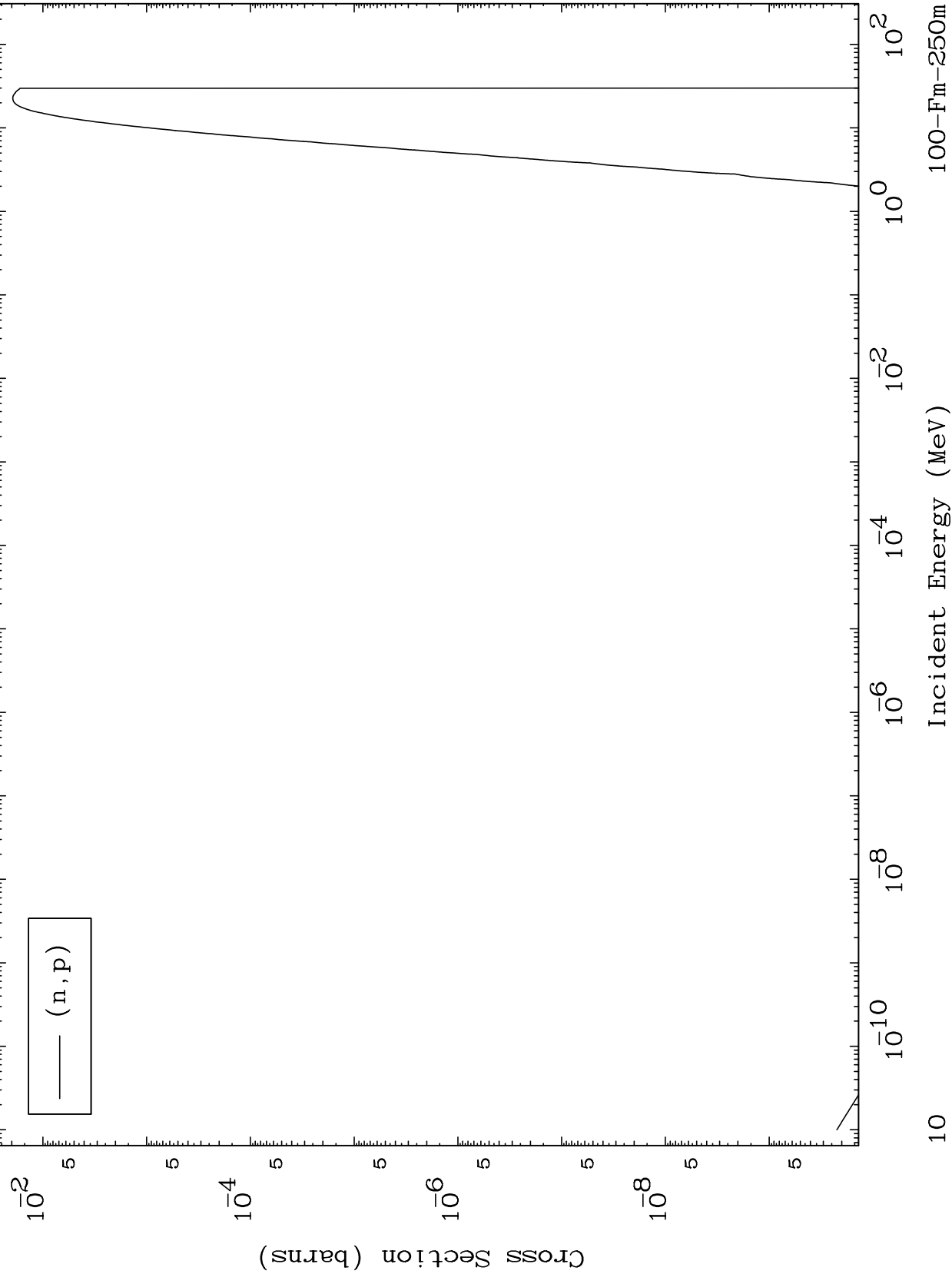
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(n,p) Levels
293 Kelvin Cross Sections

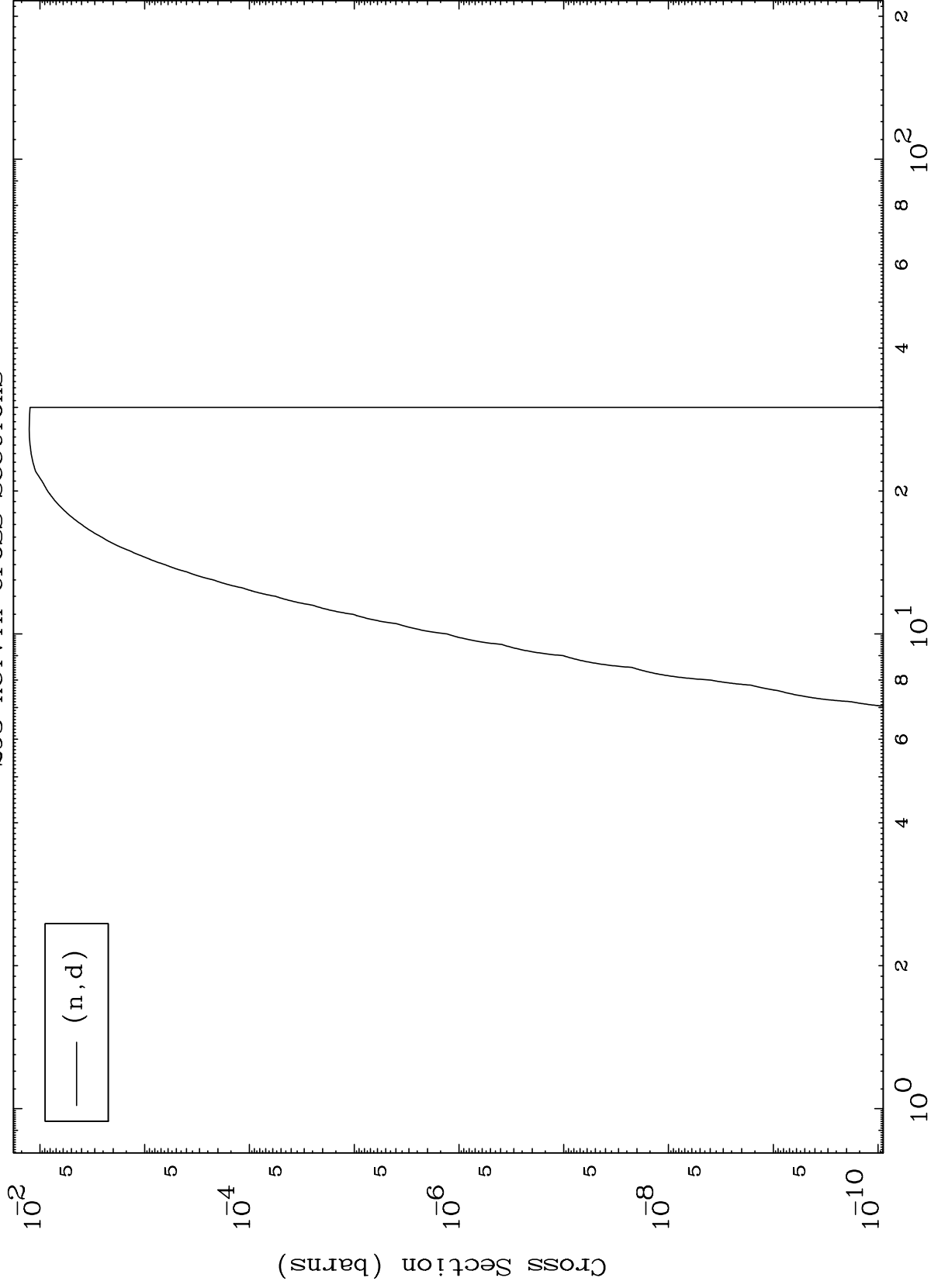
100-Fm-250m



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(n,d) Levels
293 Kelvin Cross Sections

100-Fm-250m



11

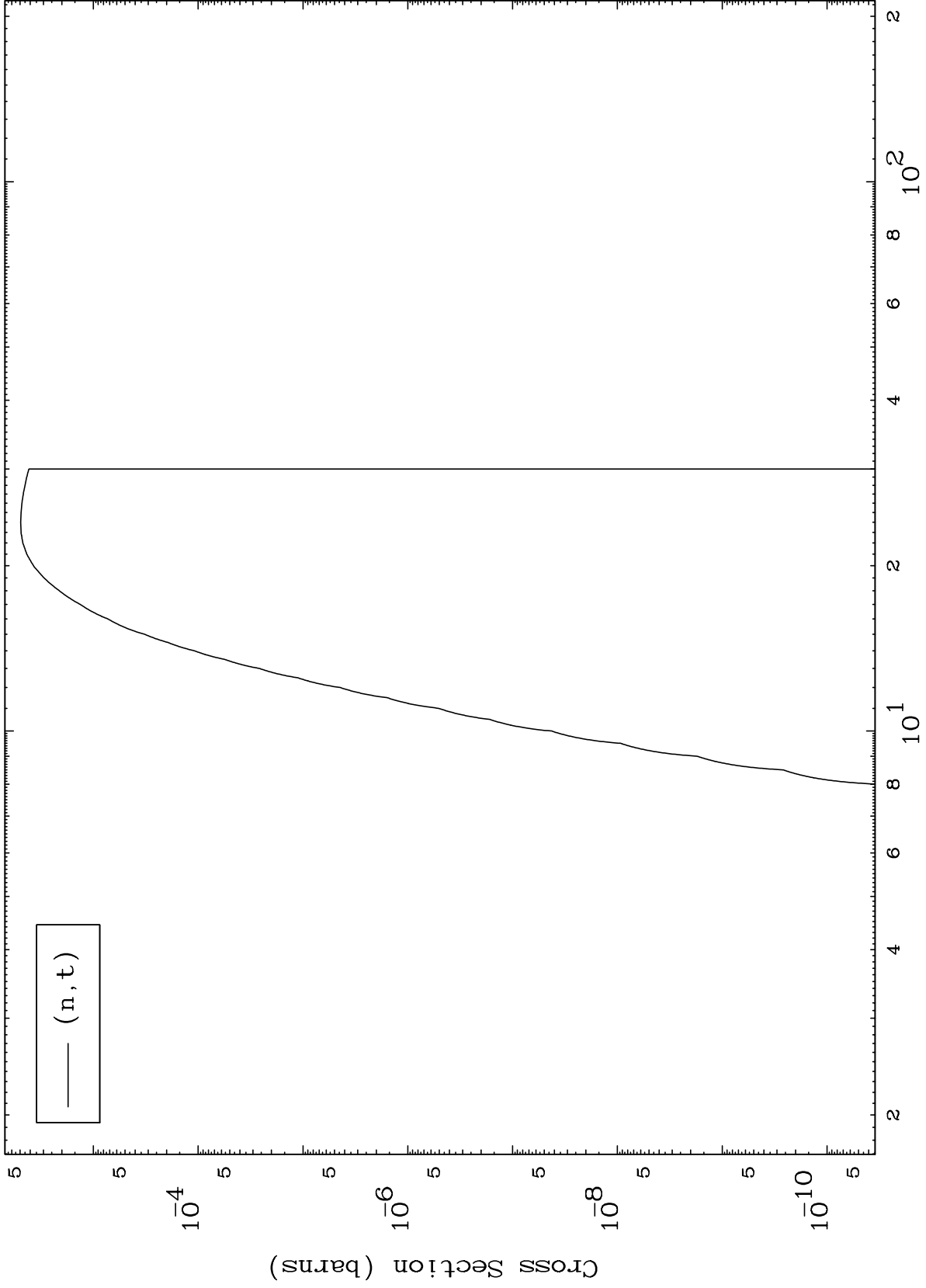
Incident Energy (MeV)

100-Fm-250m

MAT 9936

(n,t) Levels
293 Kelvin Cross Sections

100-Fm-250m



12

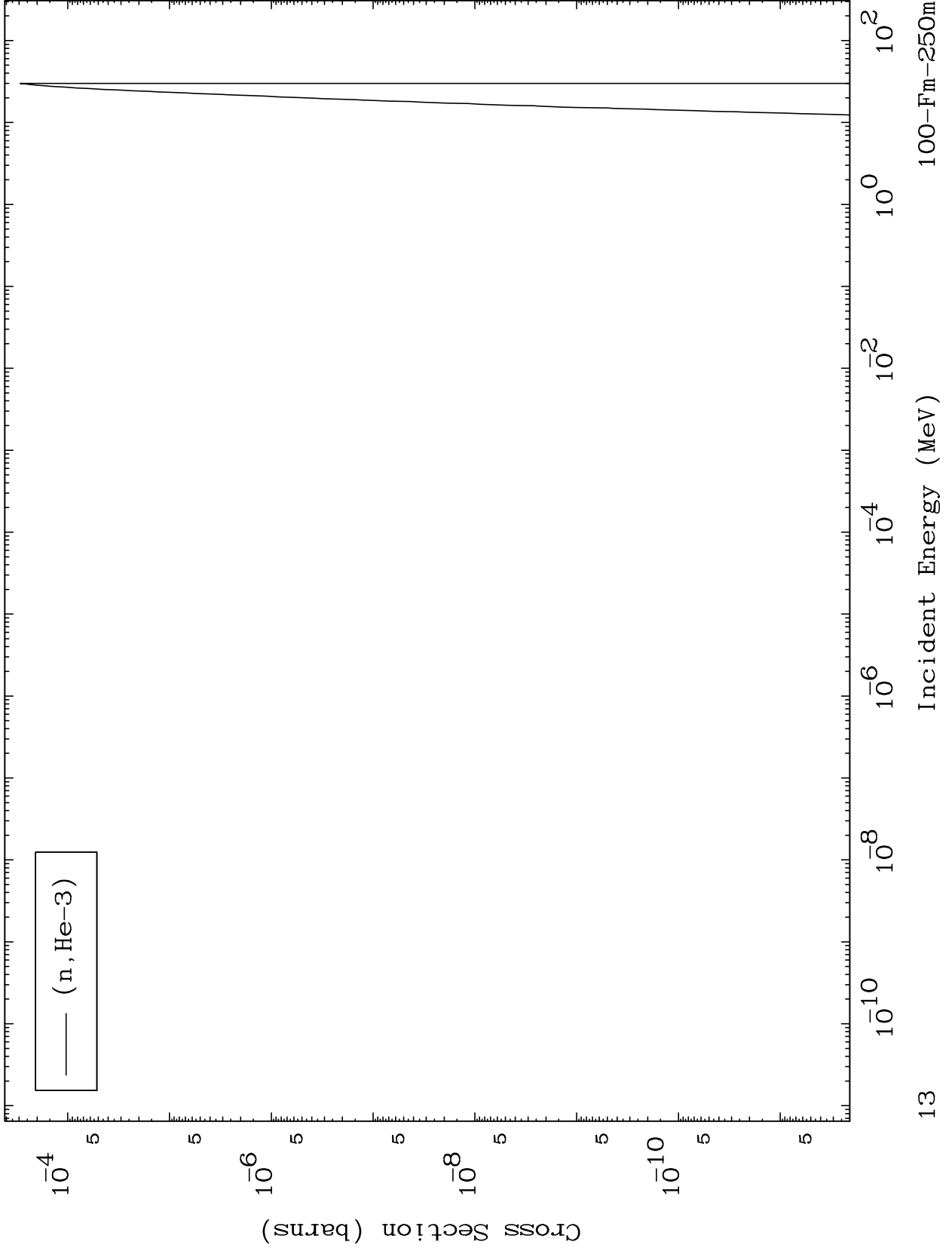
Incident Energy (MeV)

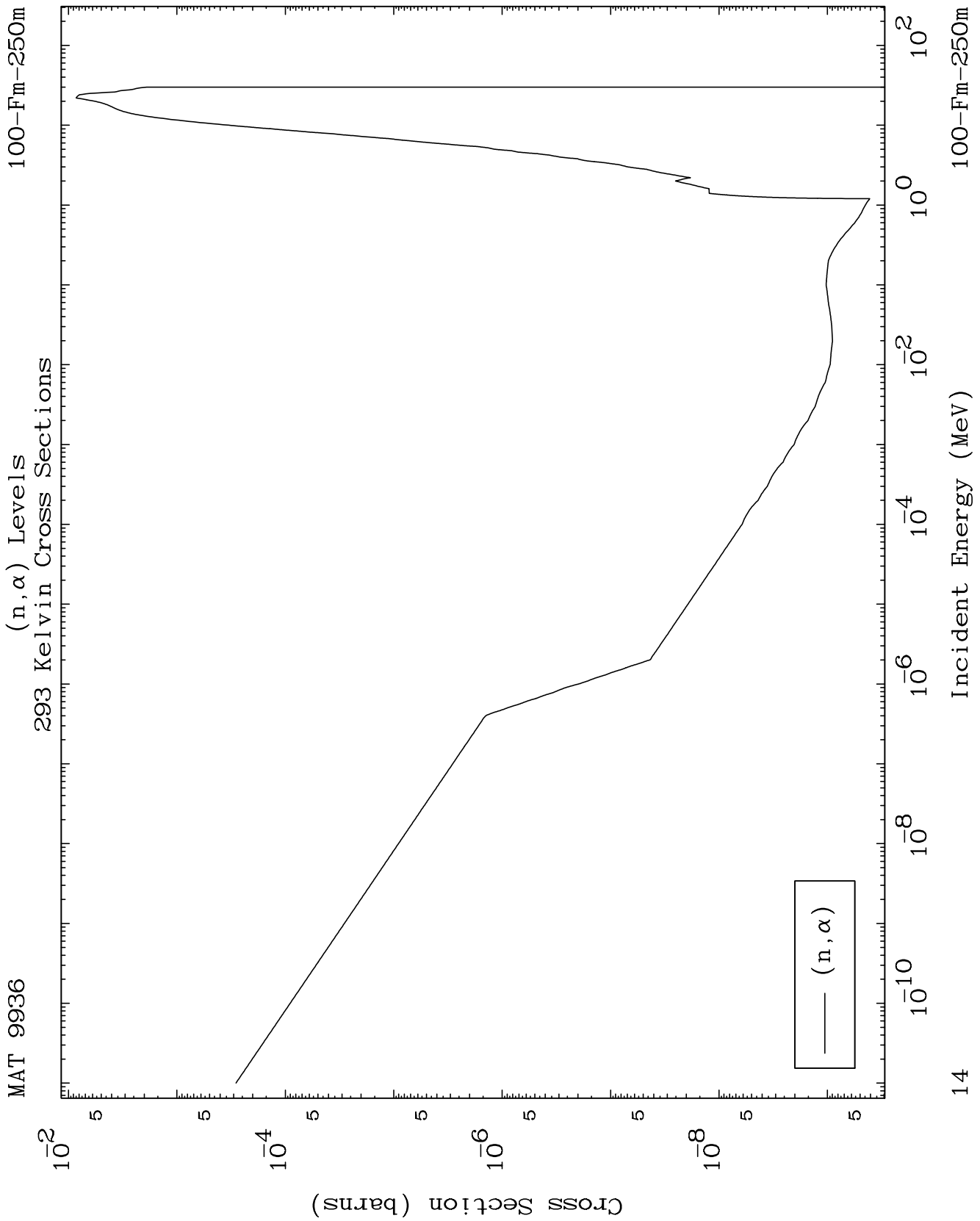
100-Fm-250m

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(n,He3) Levels
293 Kelvin Cross Sections

100-Fm-250m

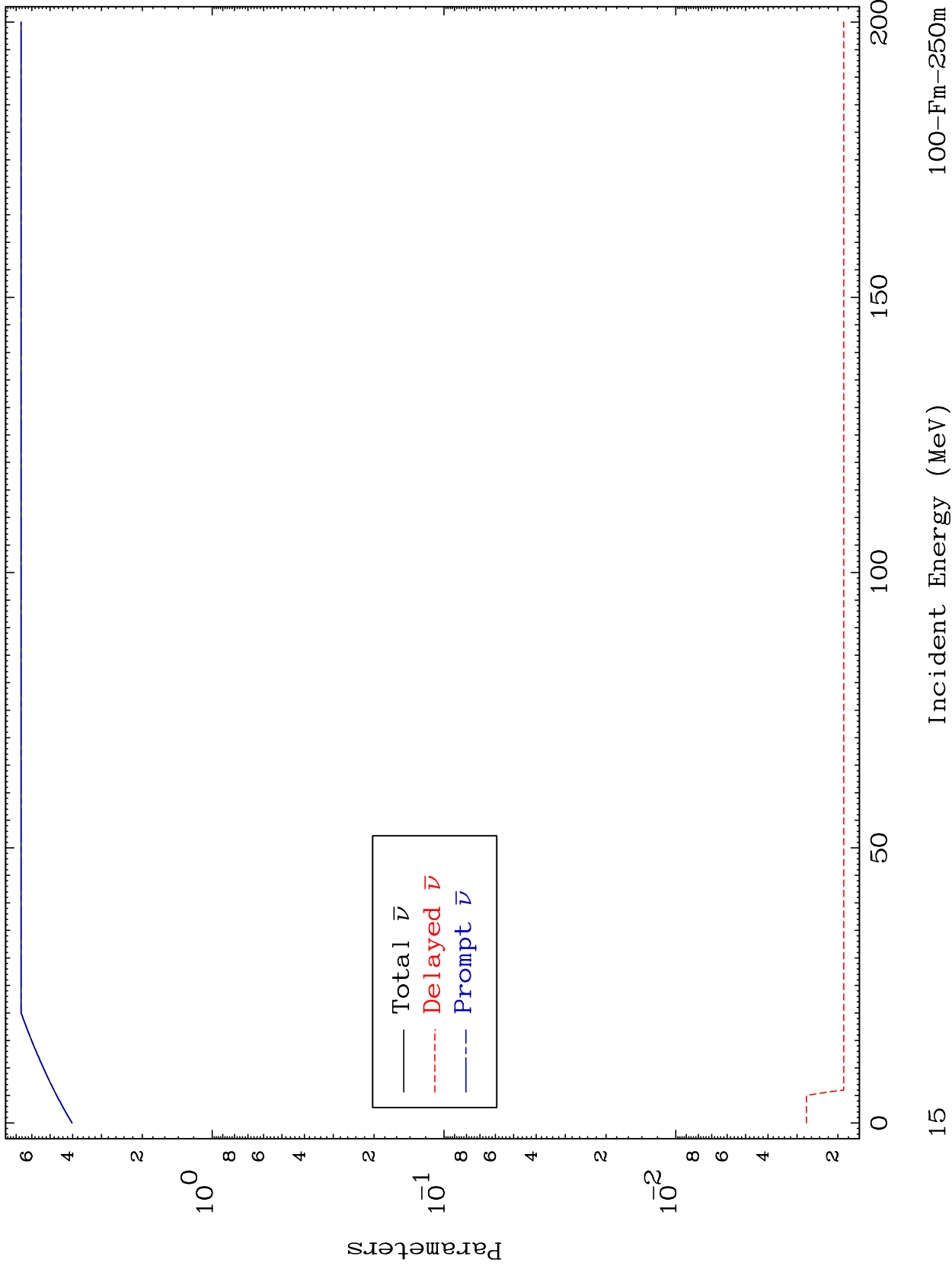




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Energy Release
Parameters

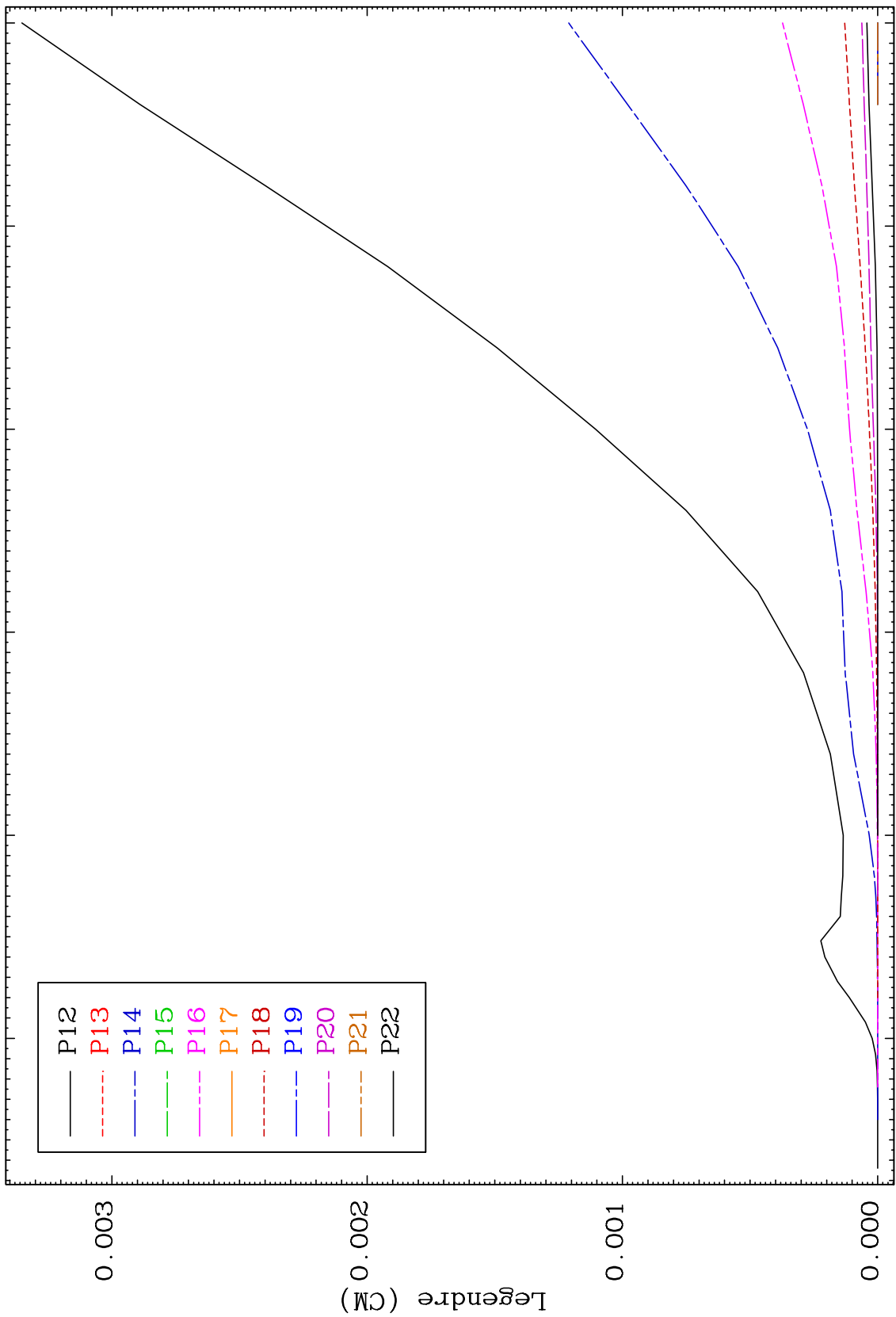
100-Fm-250m



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Elastic Legendre Coefficients

100-Fm-250m



17

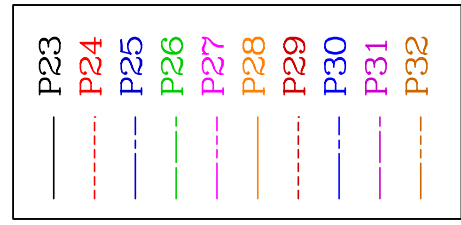
100-Fm-250m

Incident Energy (MeV)

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Elastic Legendre Coefficients

100-Fm-250m



$\times 10^{-6}$

Legendre (CM)

6

4

2

0

15

20

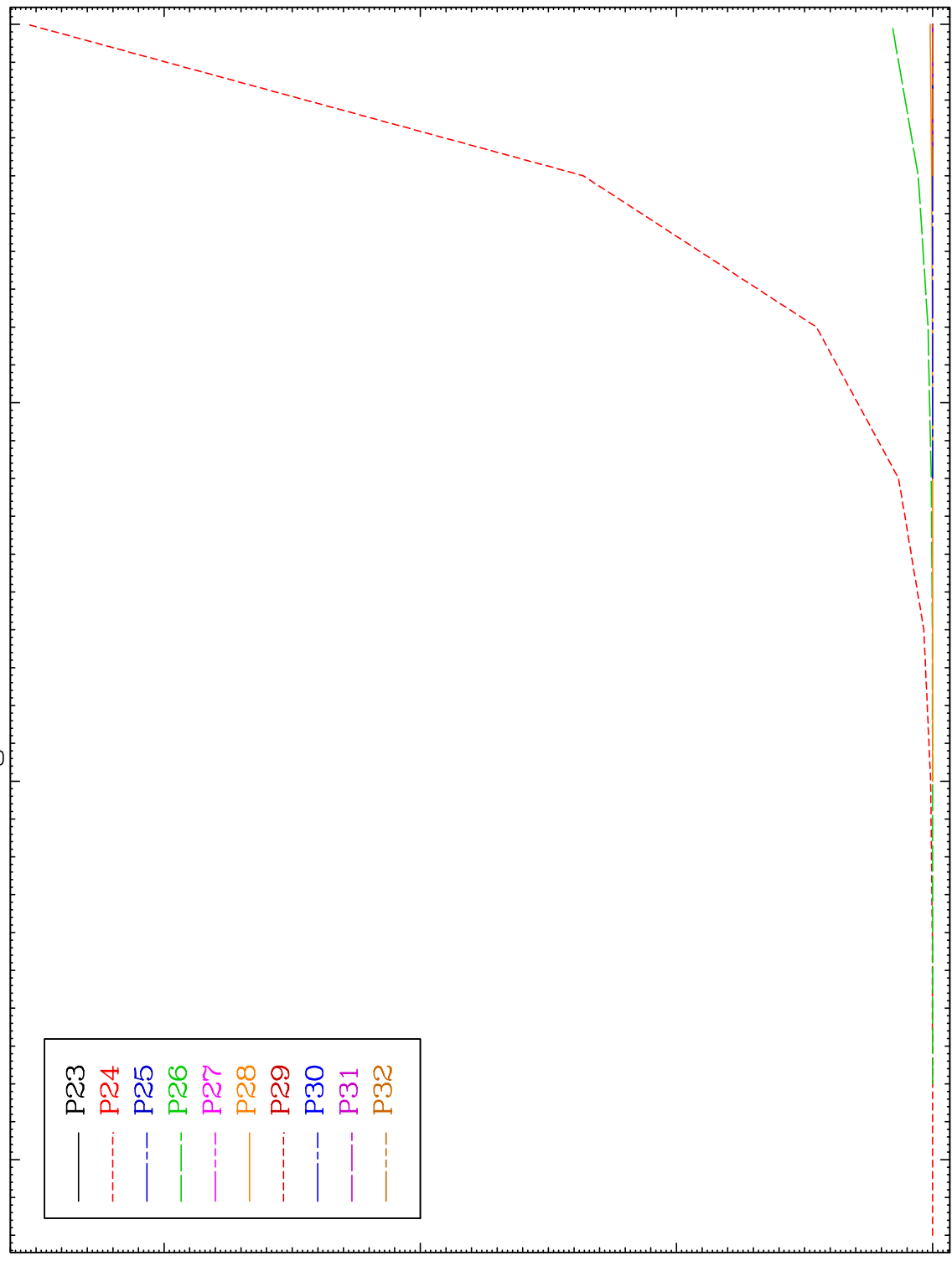
25

30

18

Incident Energy (MeV)

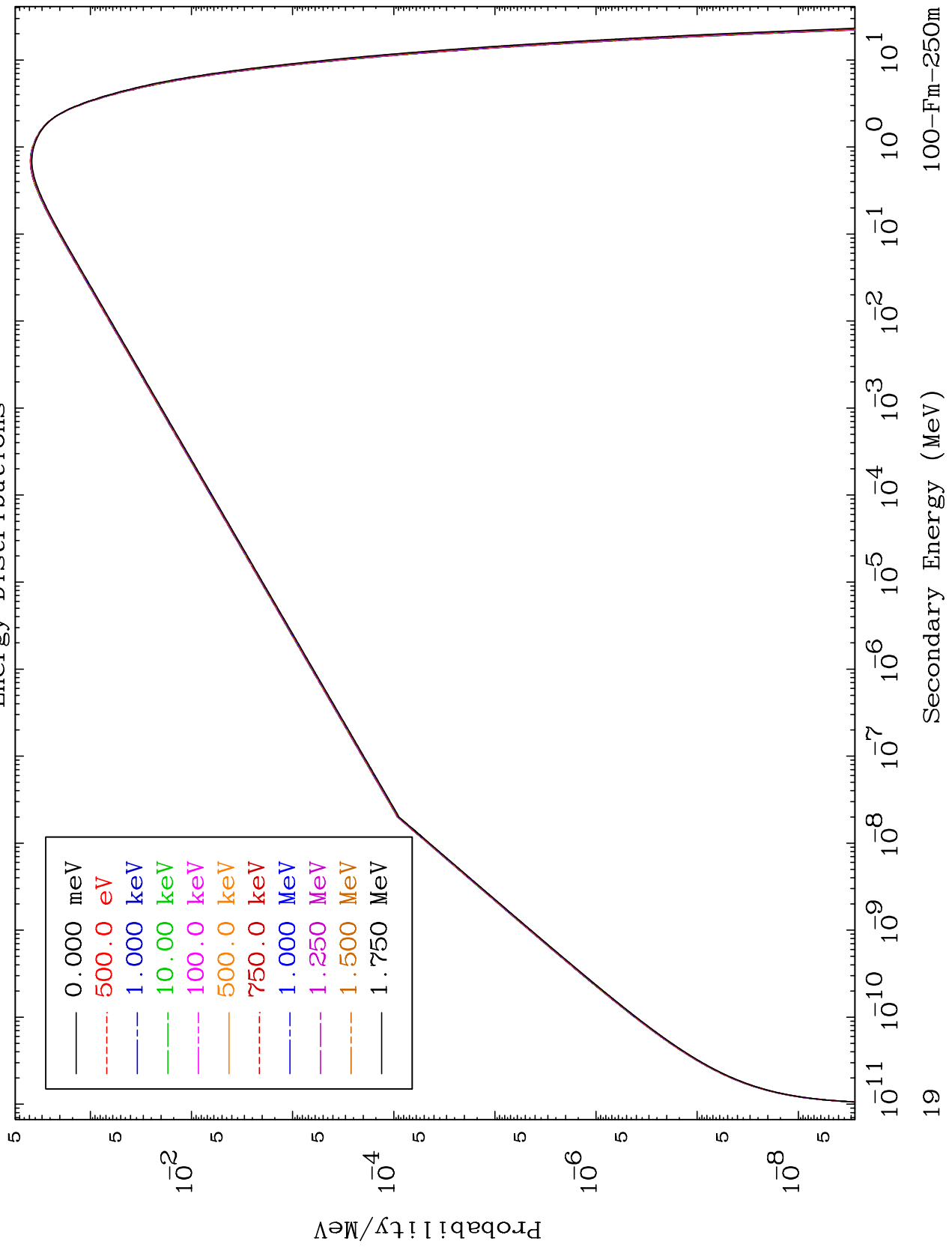
100-Fm-250m



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Fission Energy Distributions

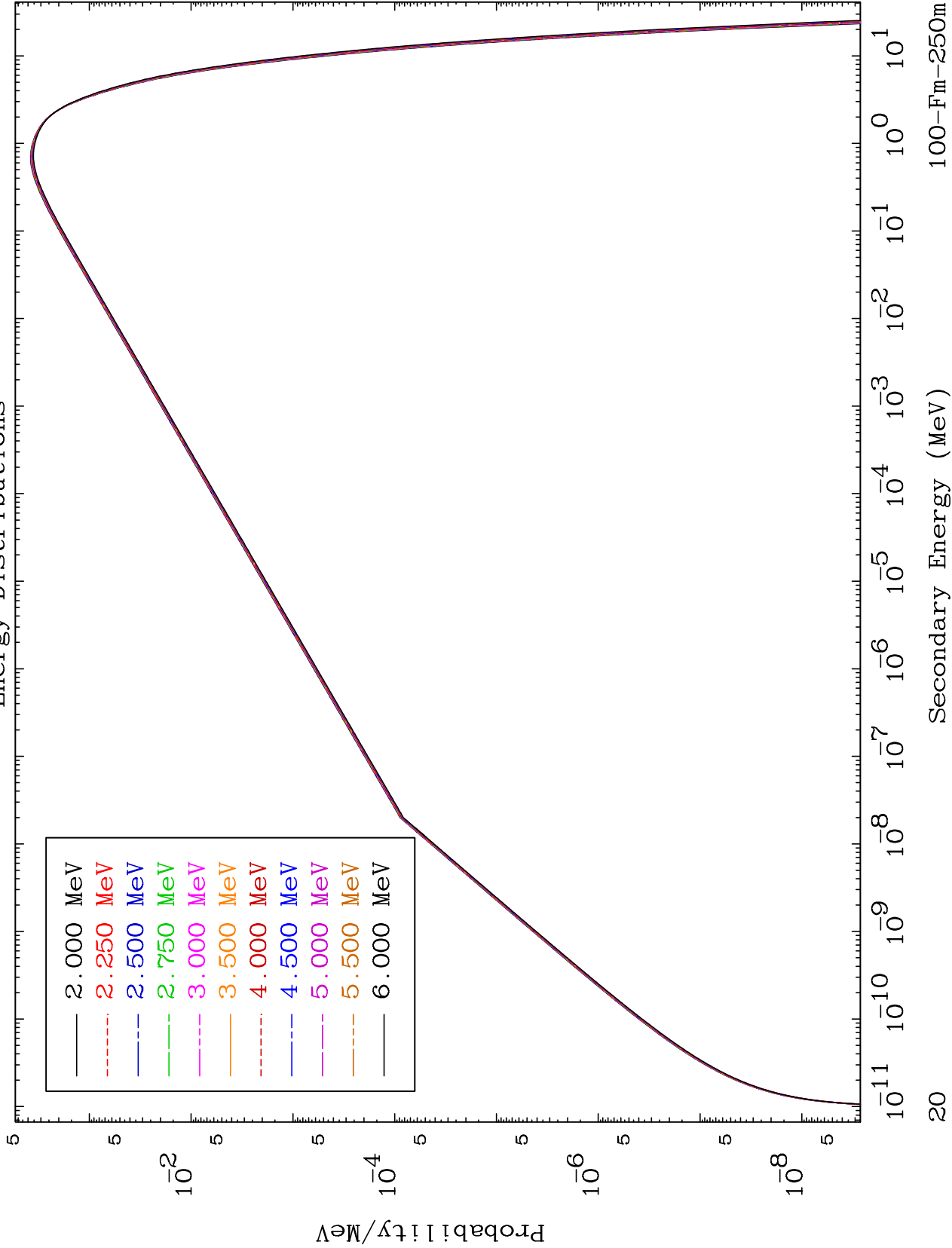
100-Fm-250m



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Fission Energy Distributions

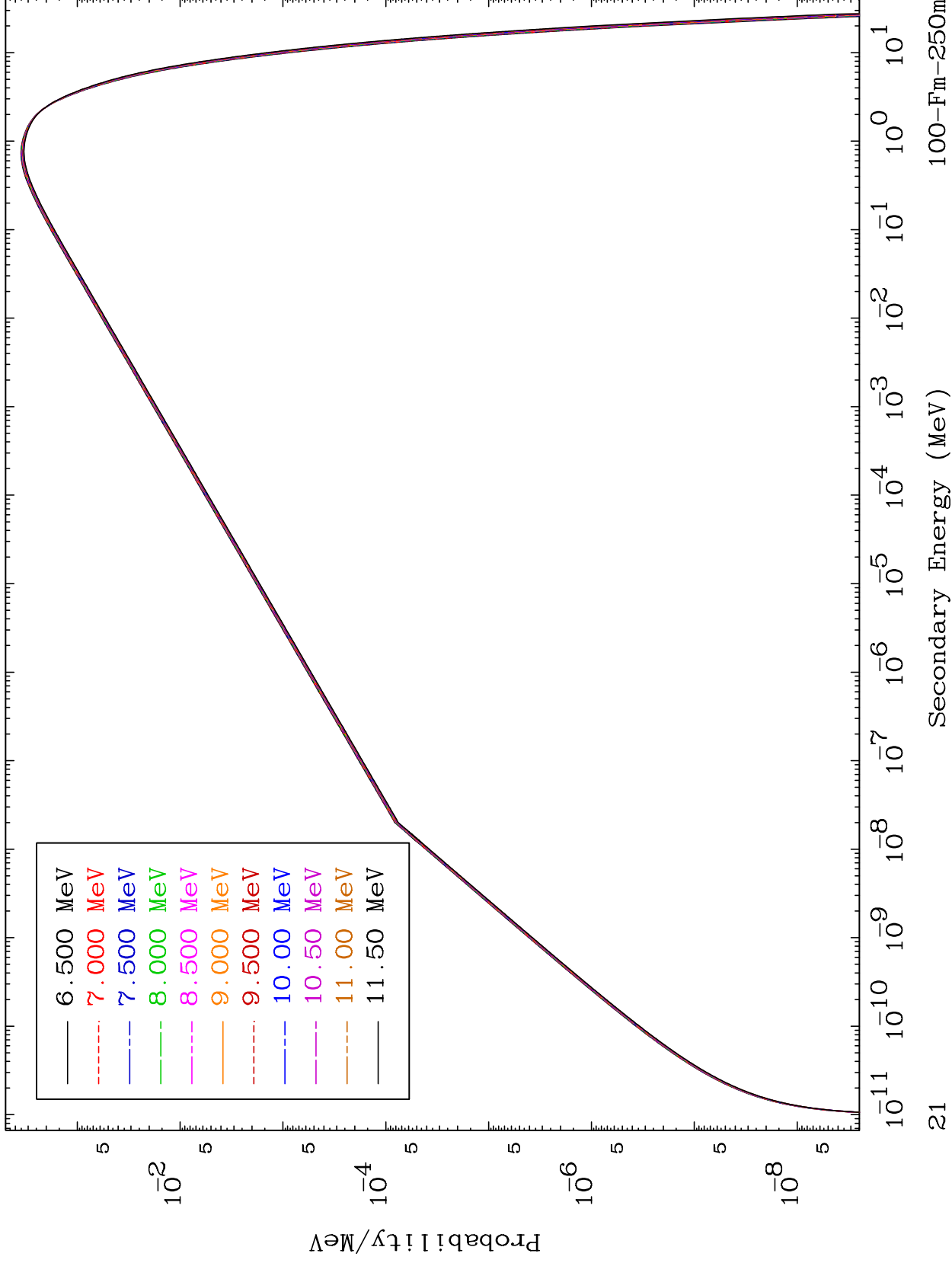
100-Fm-250m



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Fission Energy Distributions

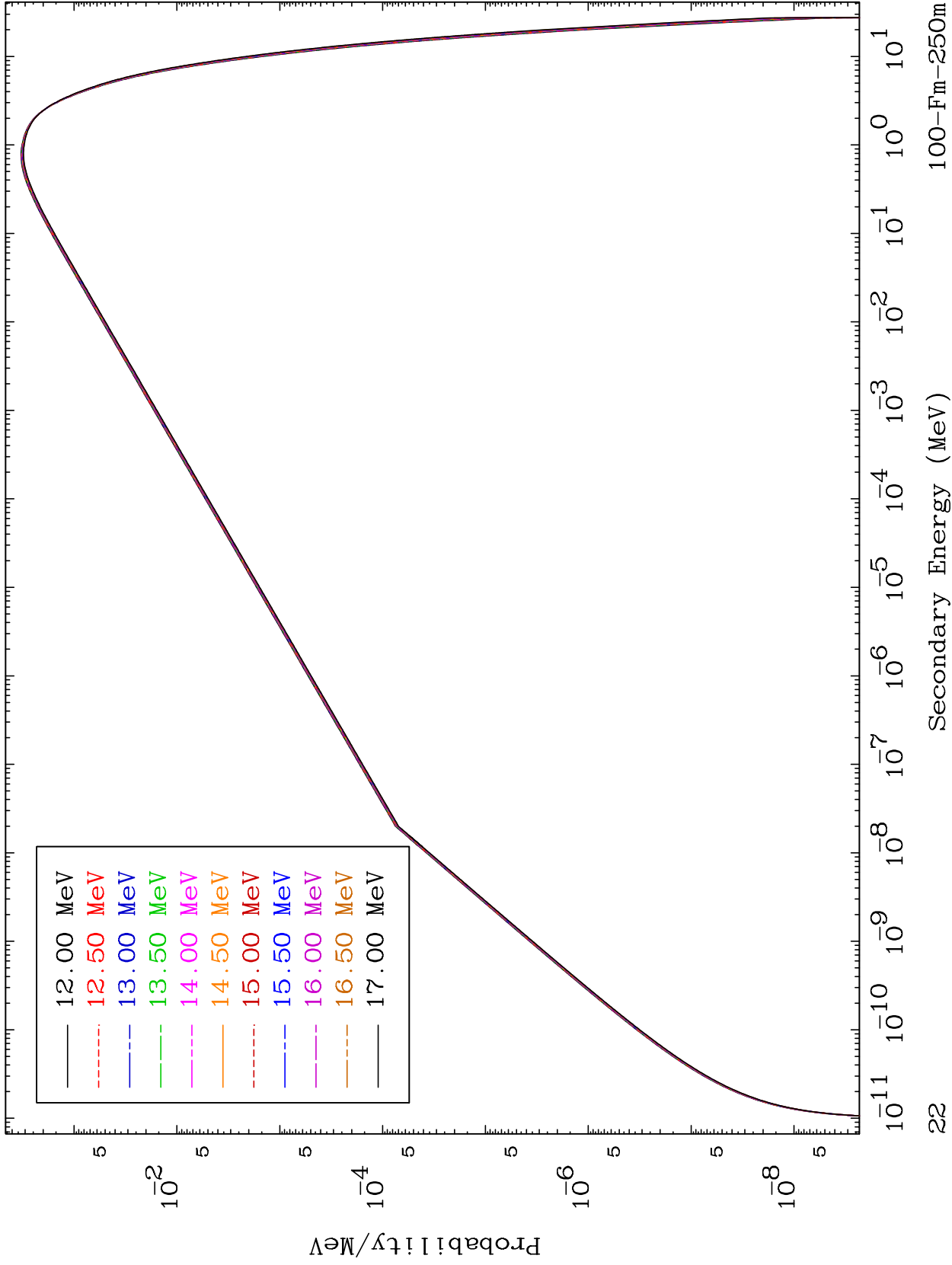
100-Fm-250m



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Fission Energy Distributions

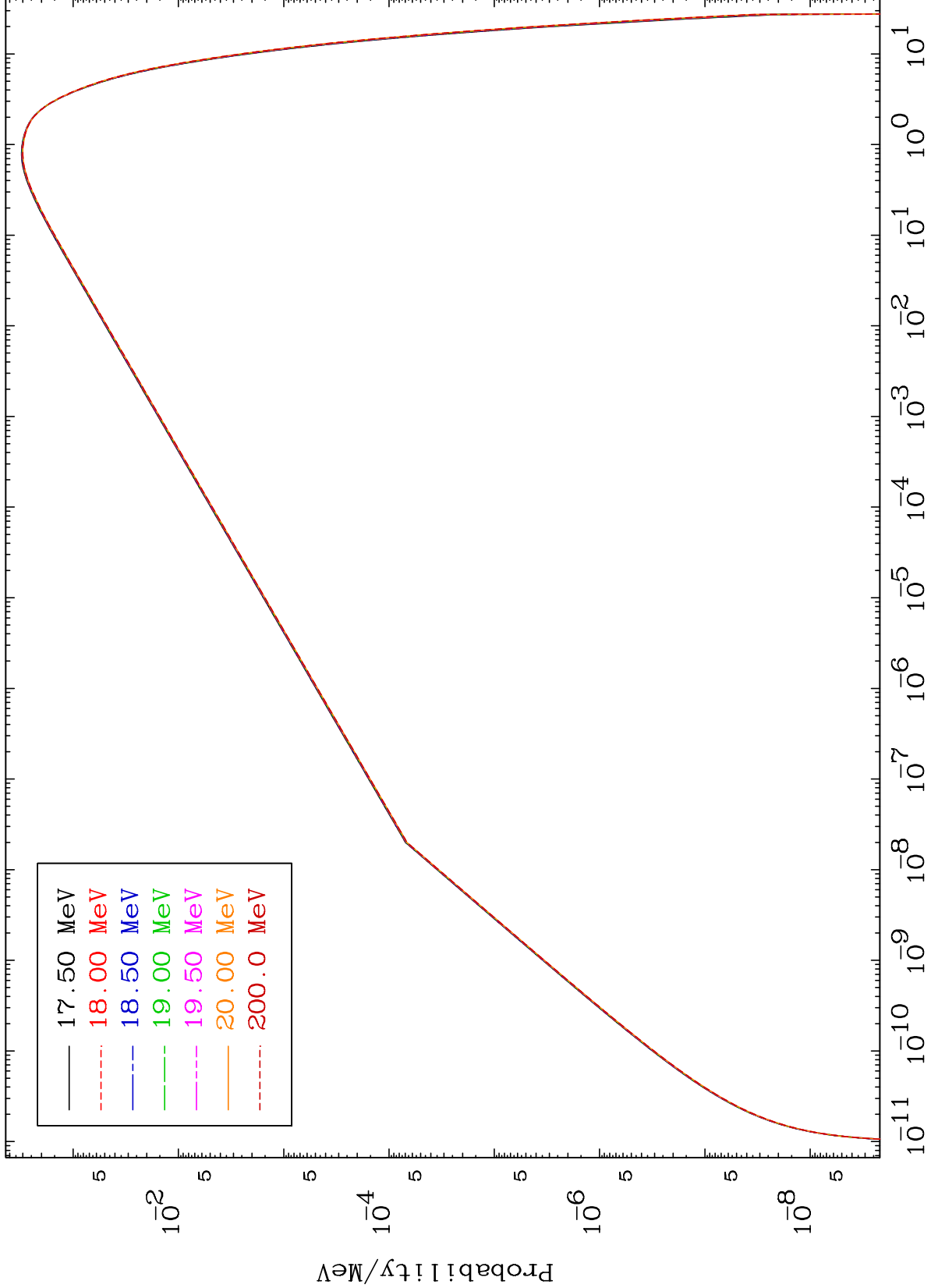
100-Fm-250m



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Fission Energy Distributions

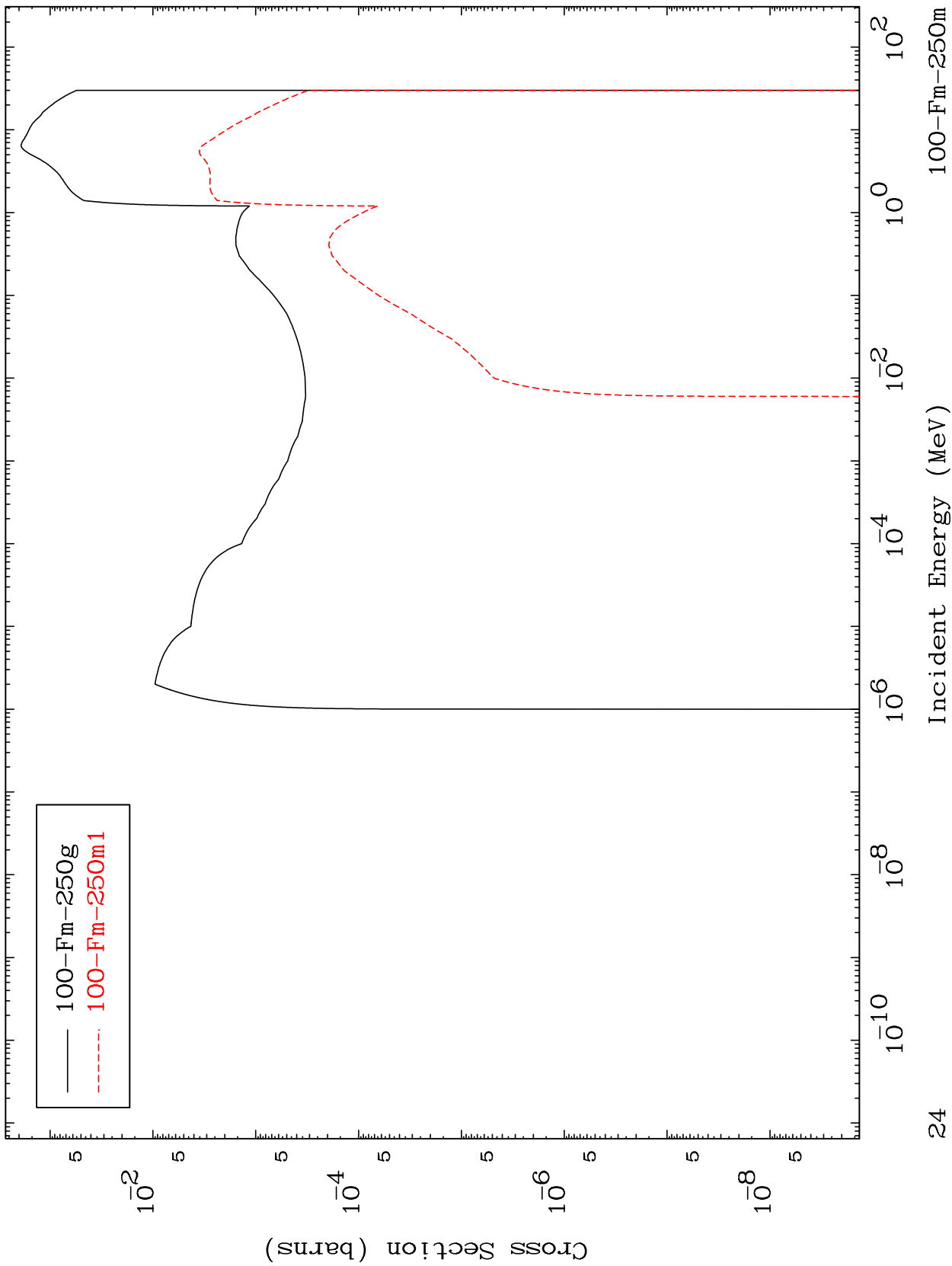
100-Fm-250m



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100-Fm-250m

Inelastic
Radionuclide Production Cross Section

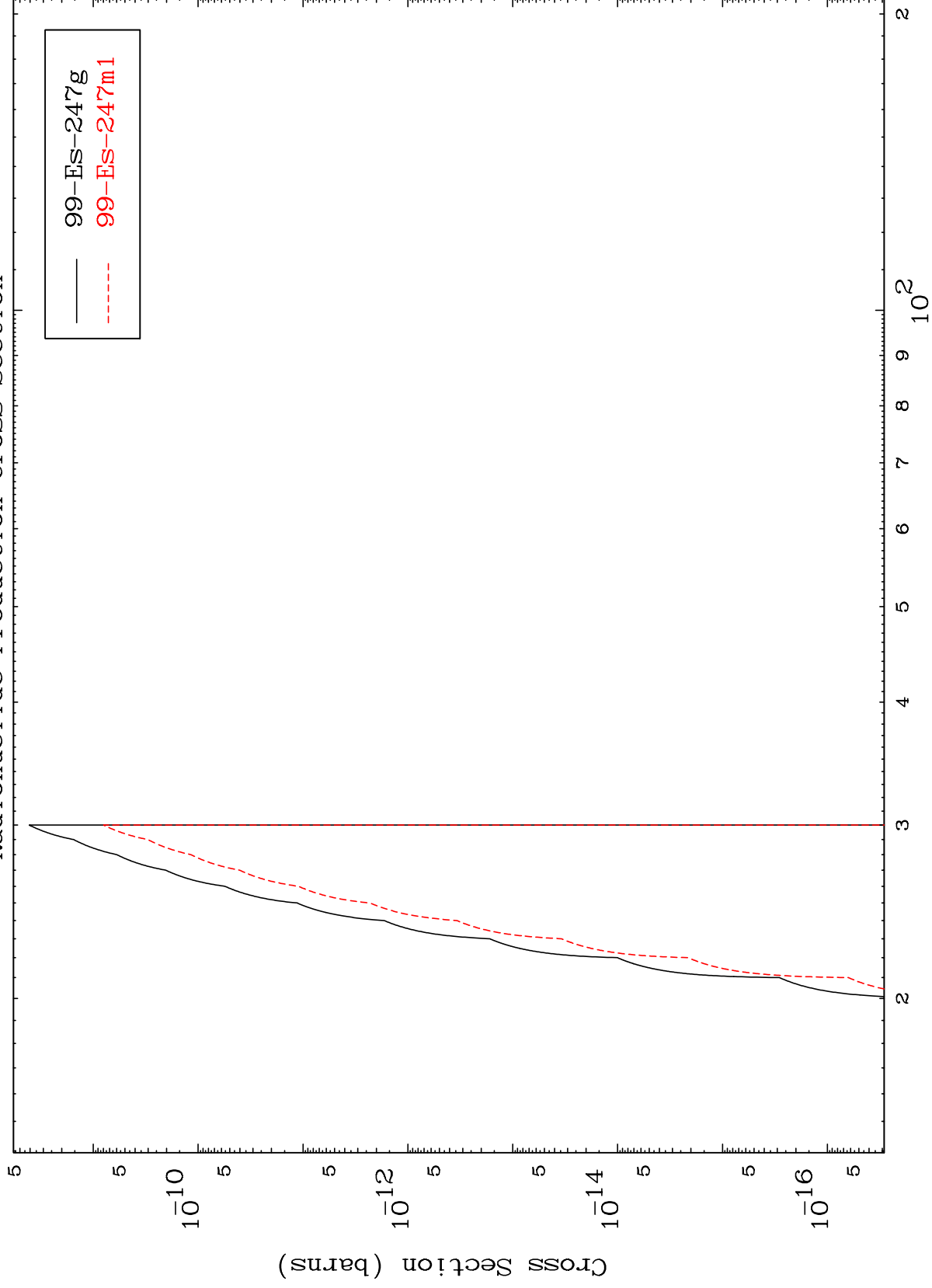


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(n,2n) d

100-Fm-250m

Radionuclide Production Cross Section



25

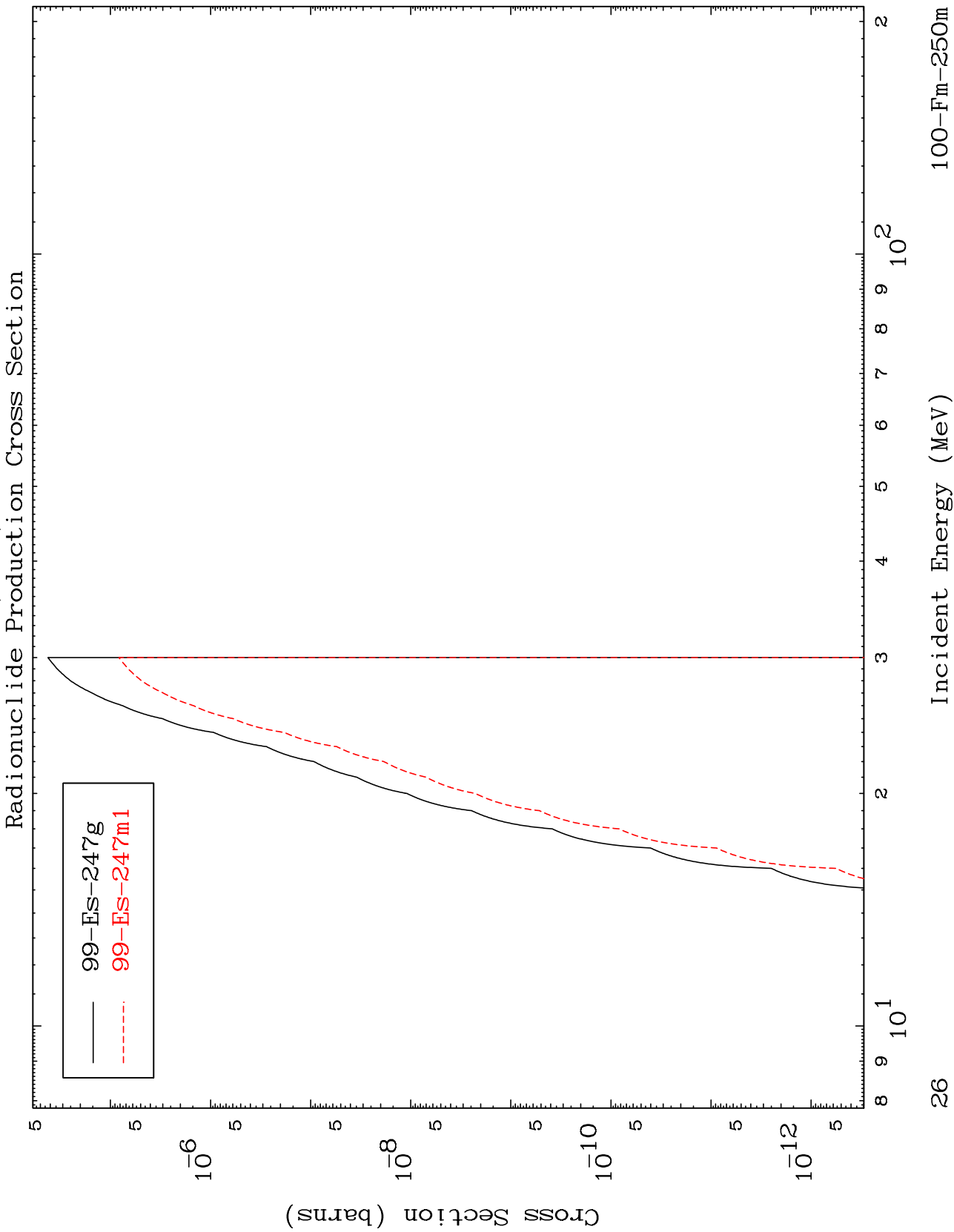
Incident Energy (MeV)

100-Fm-250m

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(n,n') t

100-Fm-250m



26

Incident Energy (MeV)

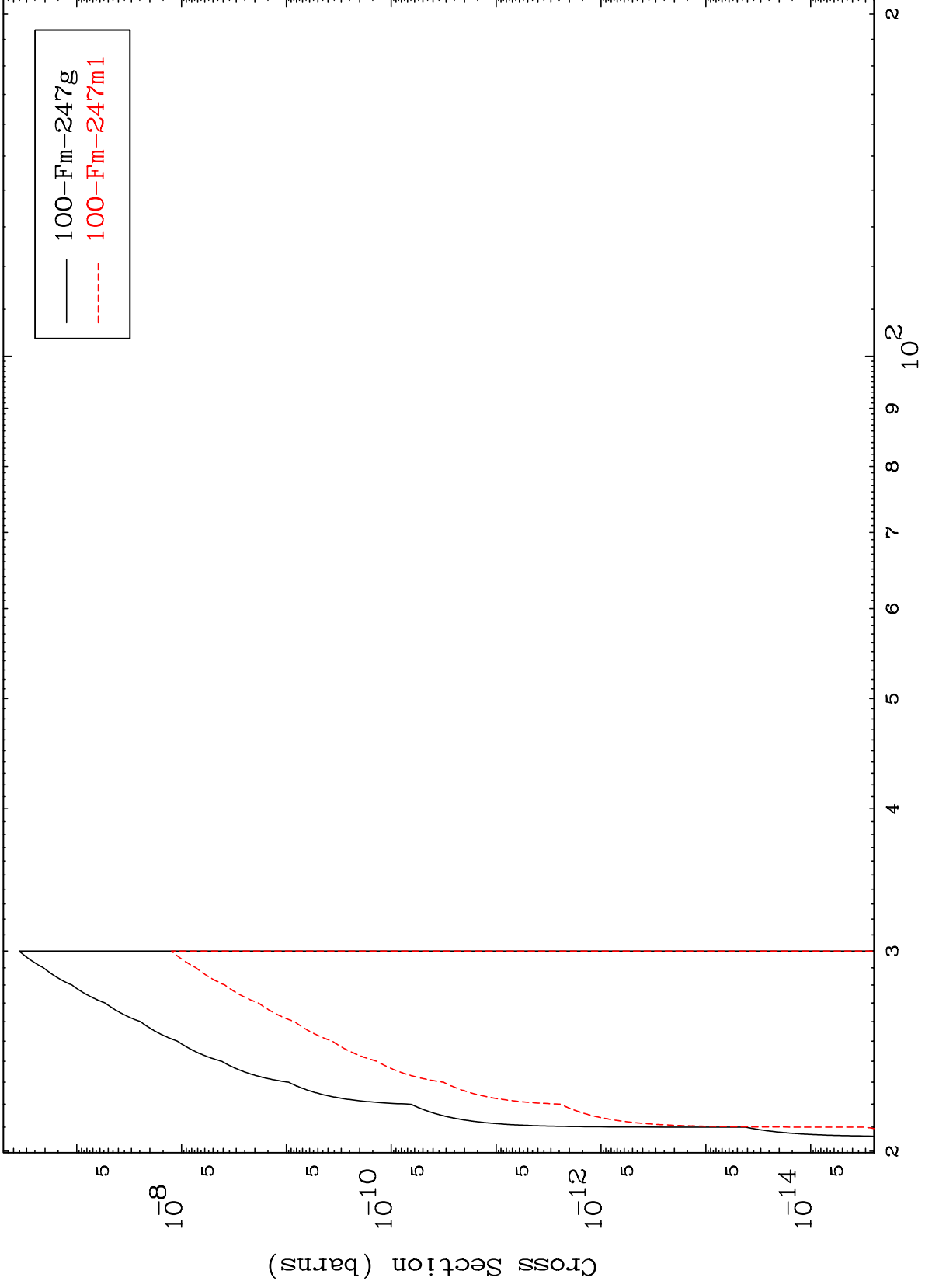
100-Fm-250m

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(n,4n)

100-Fm-250m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

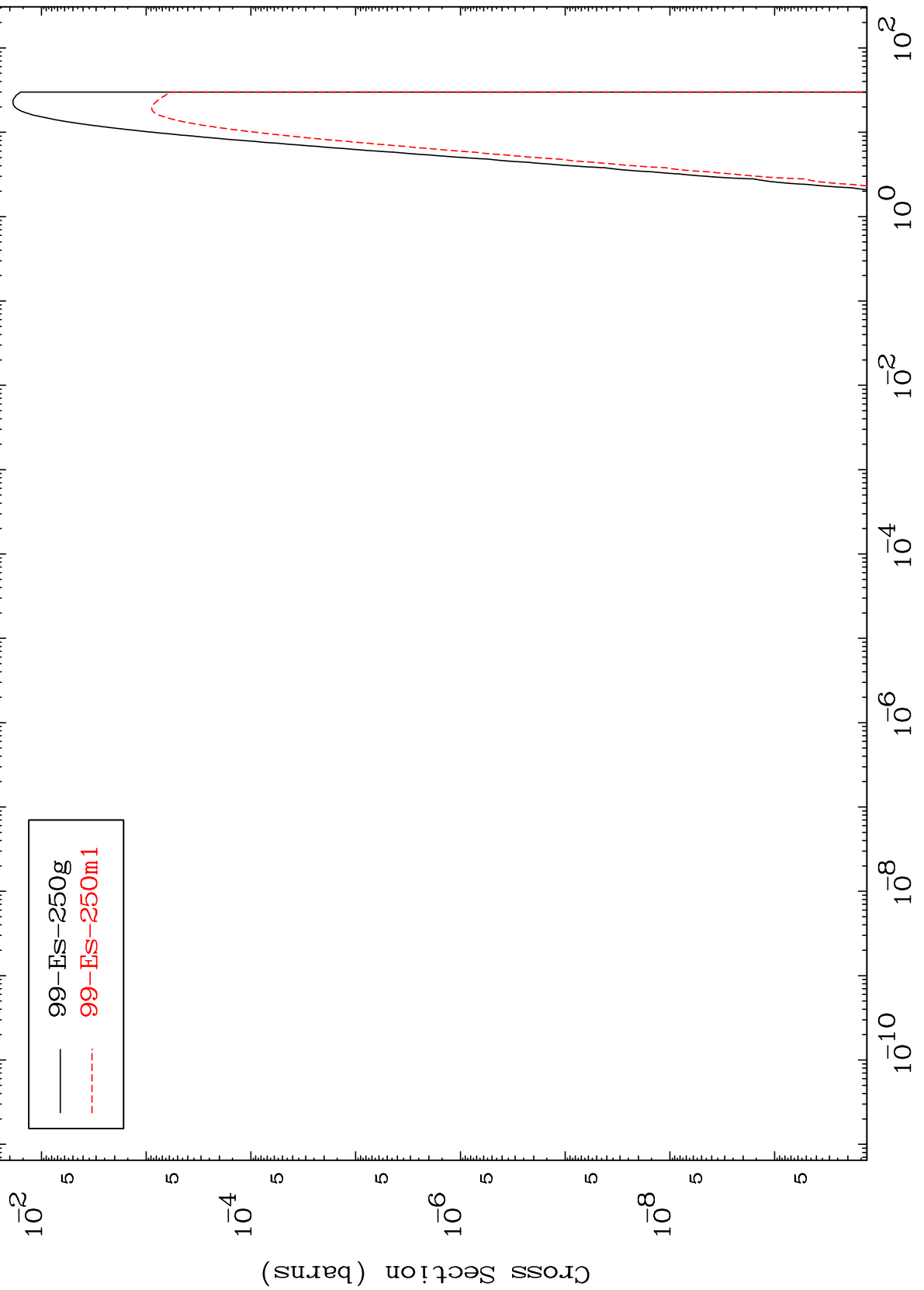
100-Fm-250m

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(n,p)

100-Fm-250m

Radionuclide Production Cross Section



— 99-Fm-250g
- - - 99-Fm-250m1

Incident Energy (MeV)

100-Fm-250m