

Program EVALPLOT
(Version 2021-1)

by

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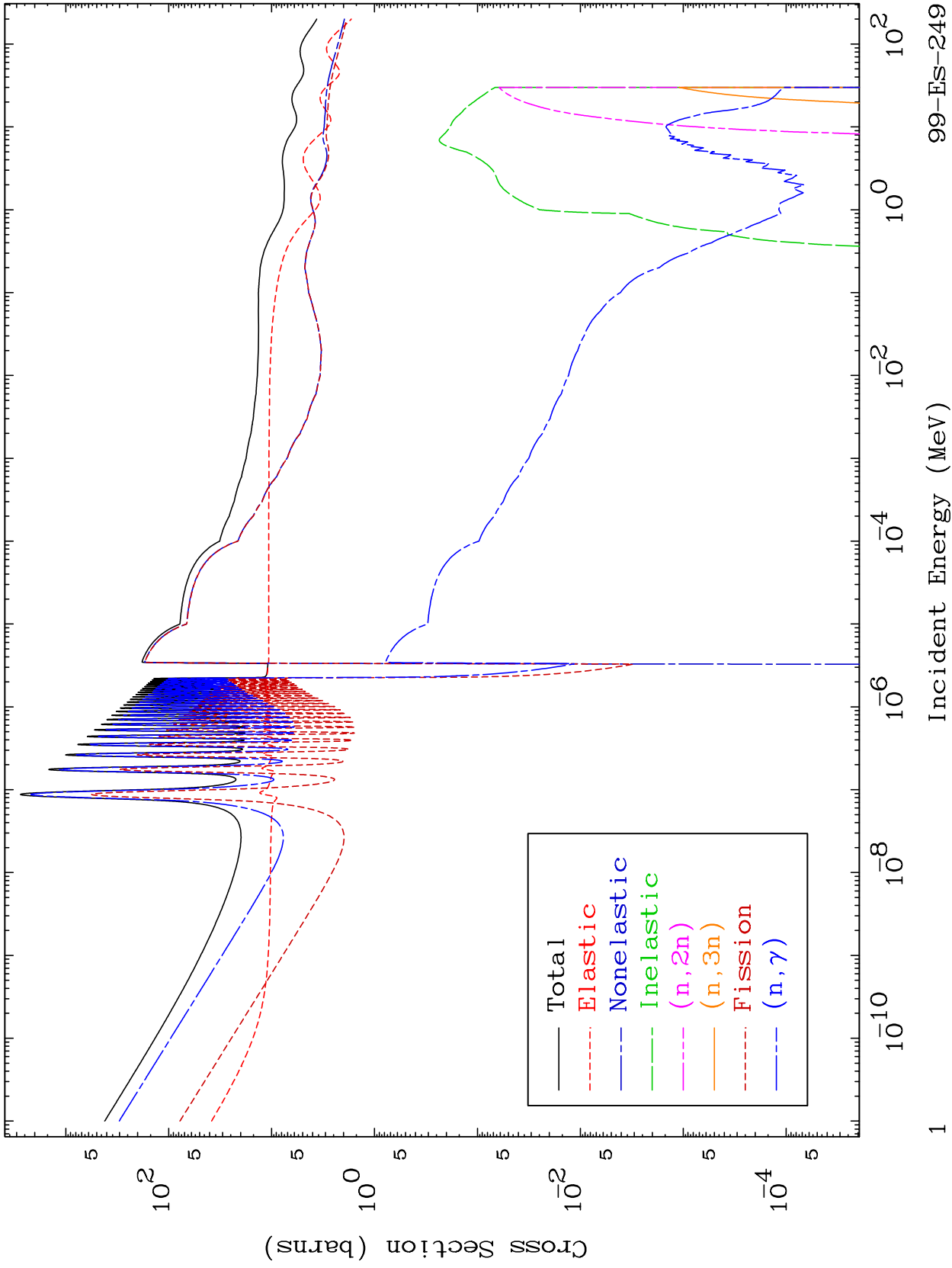
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9909

Neutron Major
293 Kelvin Cross Sections

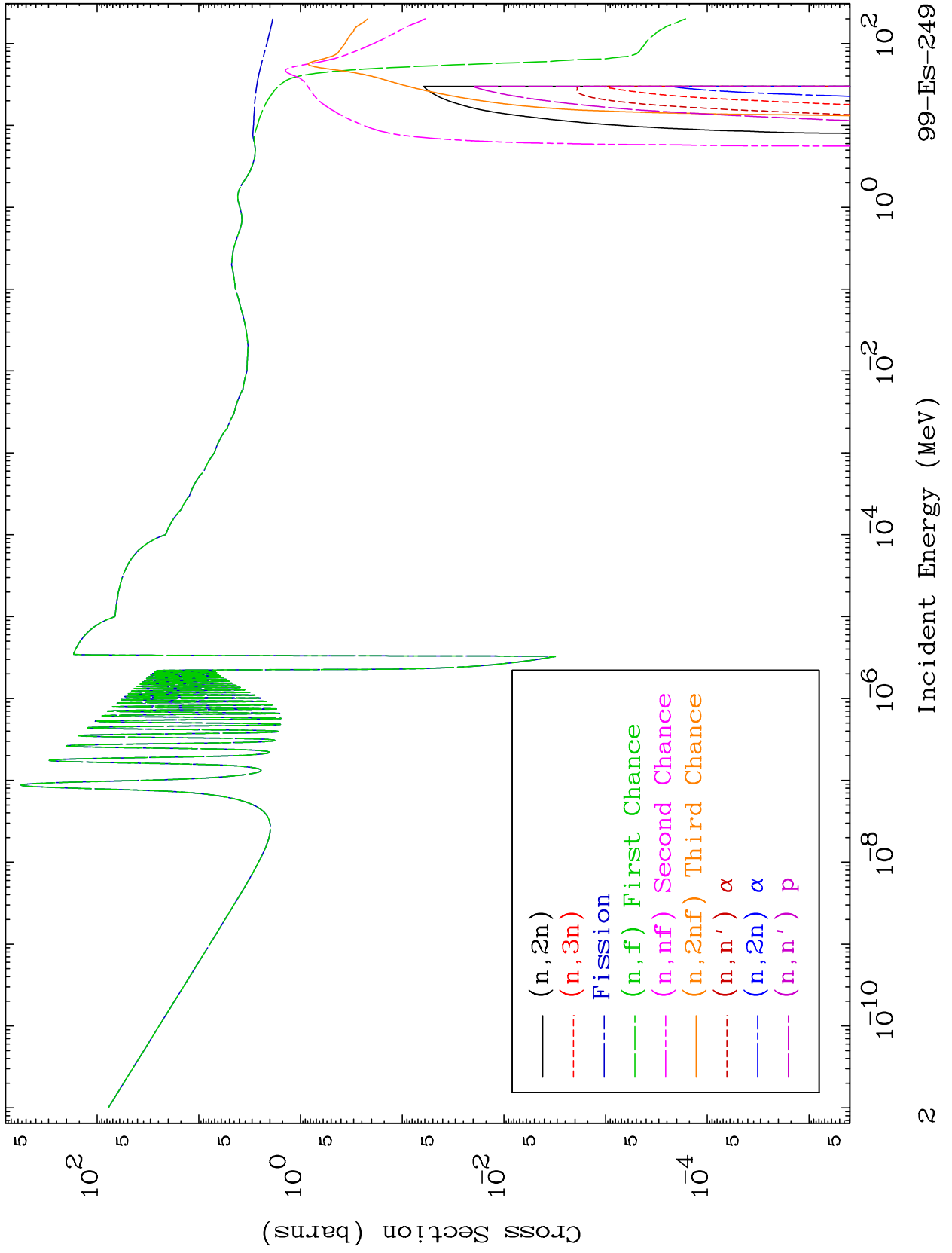
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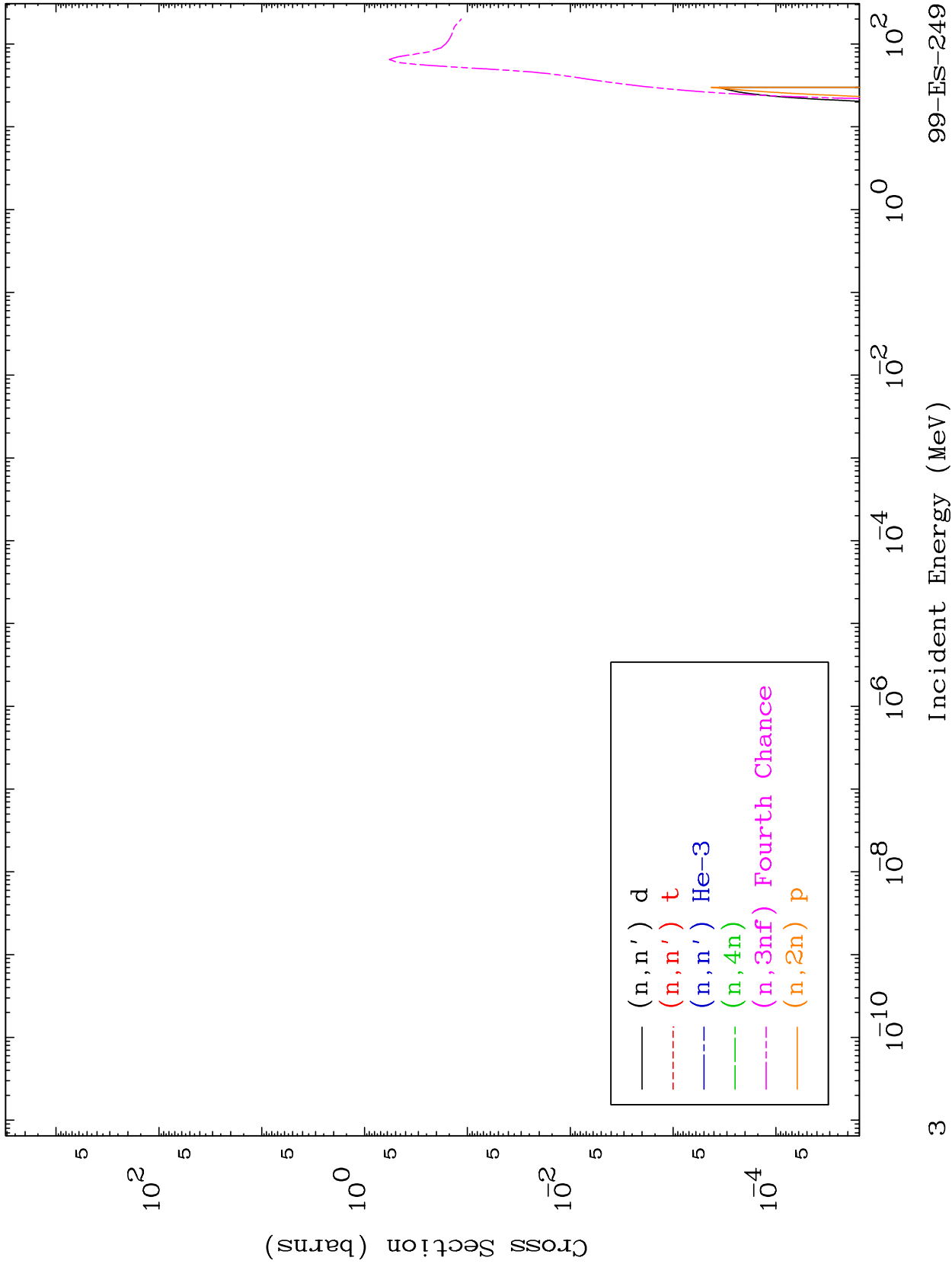


MAT 9909

Neutron Absorption
293 Kelvin Cross Sections

99-Es-249

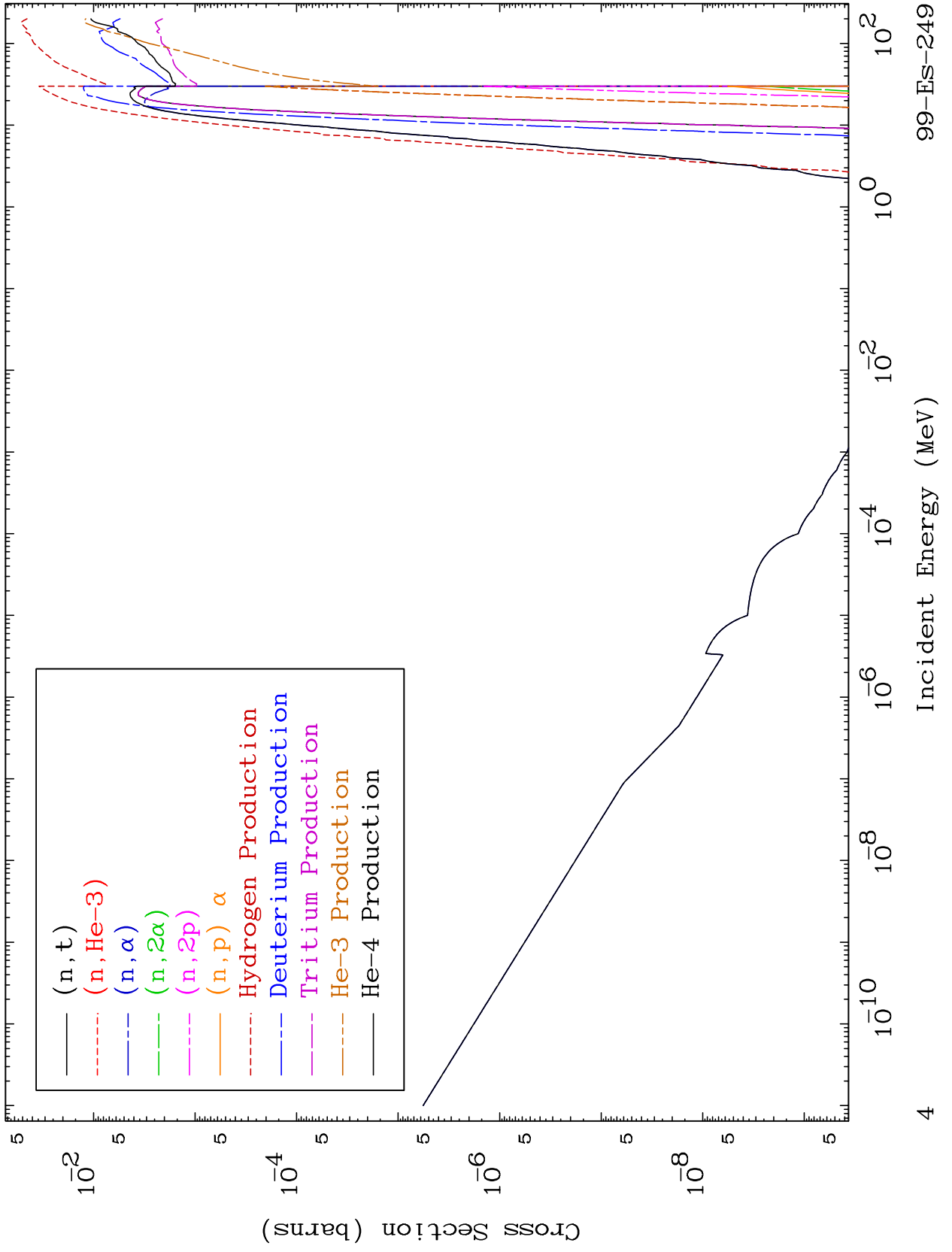




MAT 9909

Neutron Absorption
293 Kelvin Cross Sections

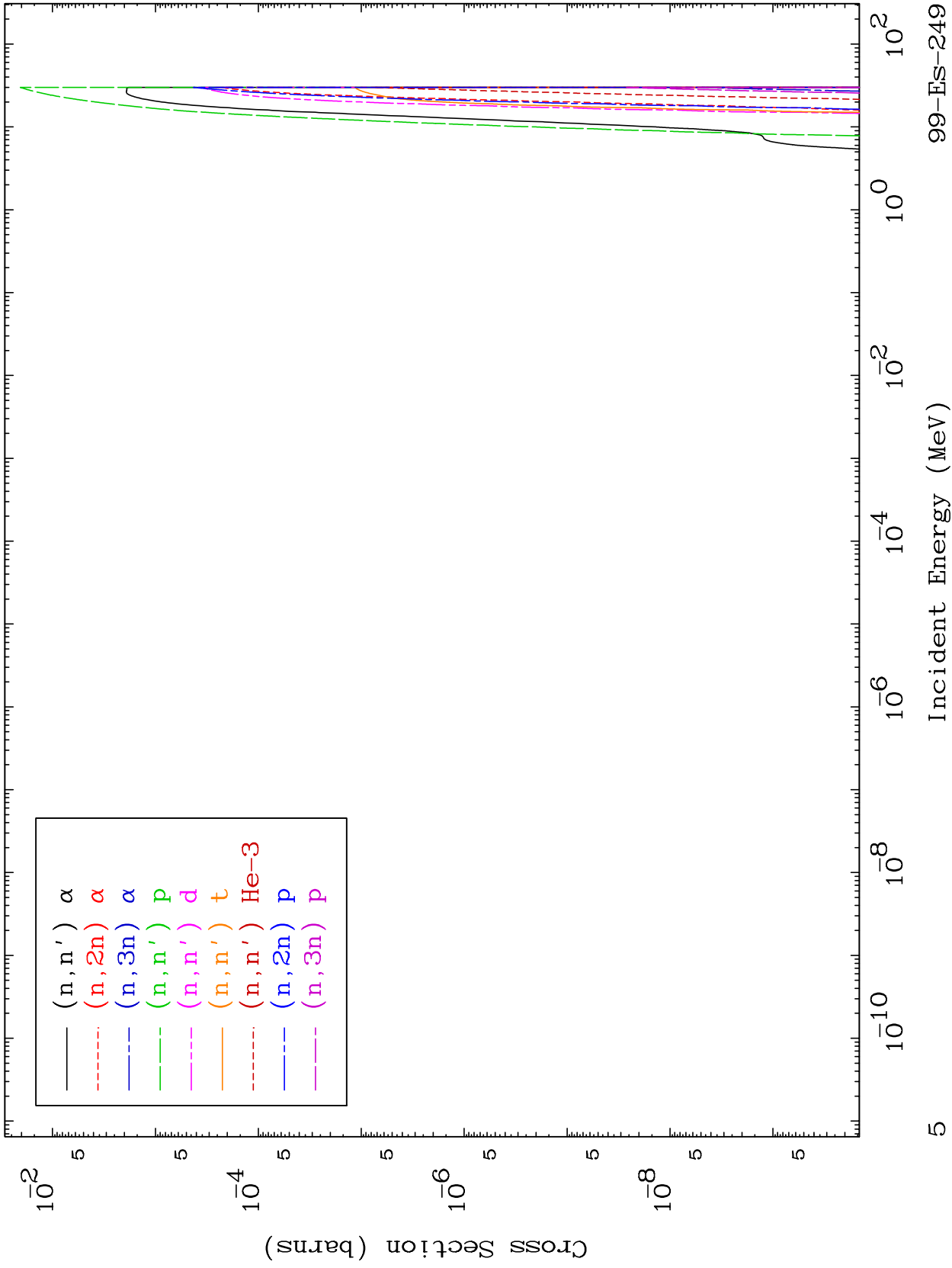
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MAT 9909

Charged Particle
293 Kelvin Cross Sections

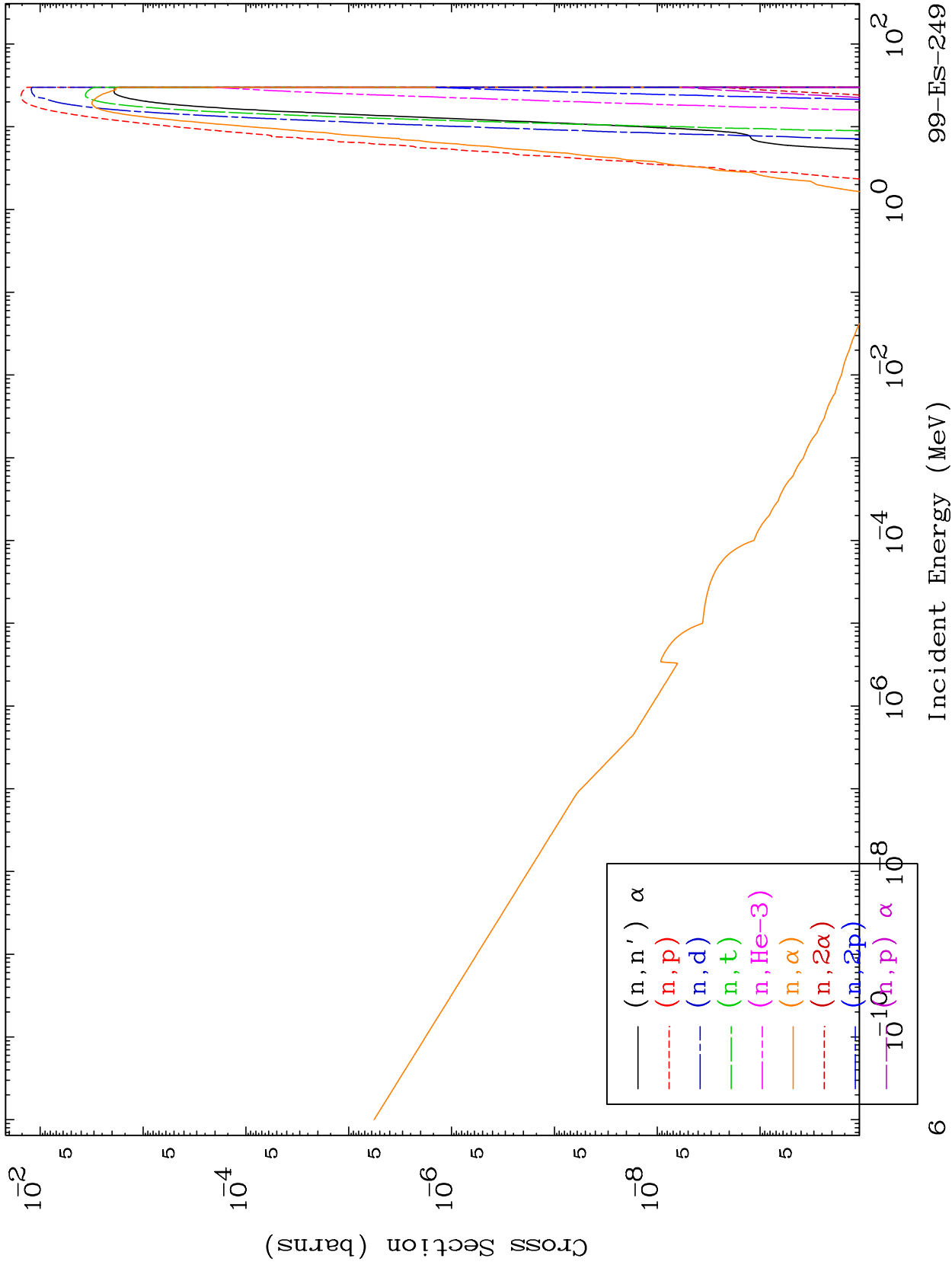
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MAT 9909

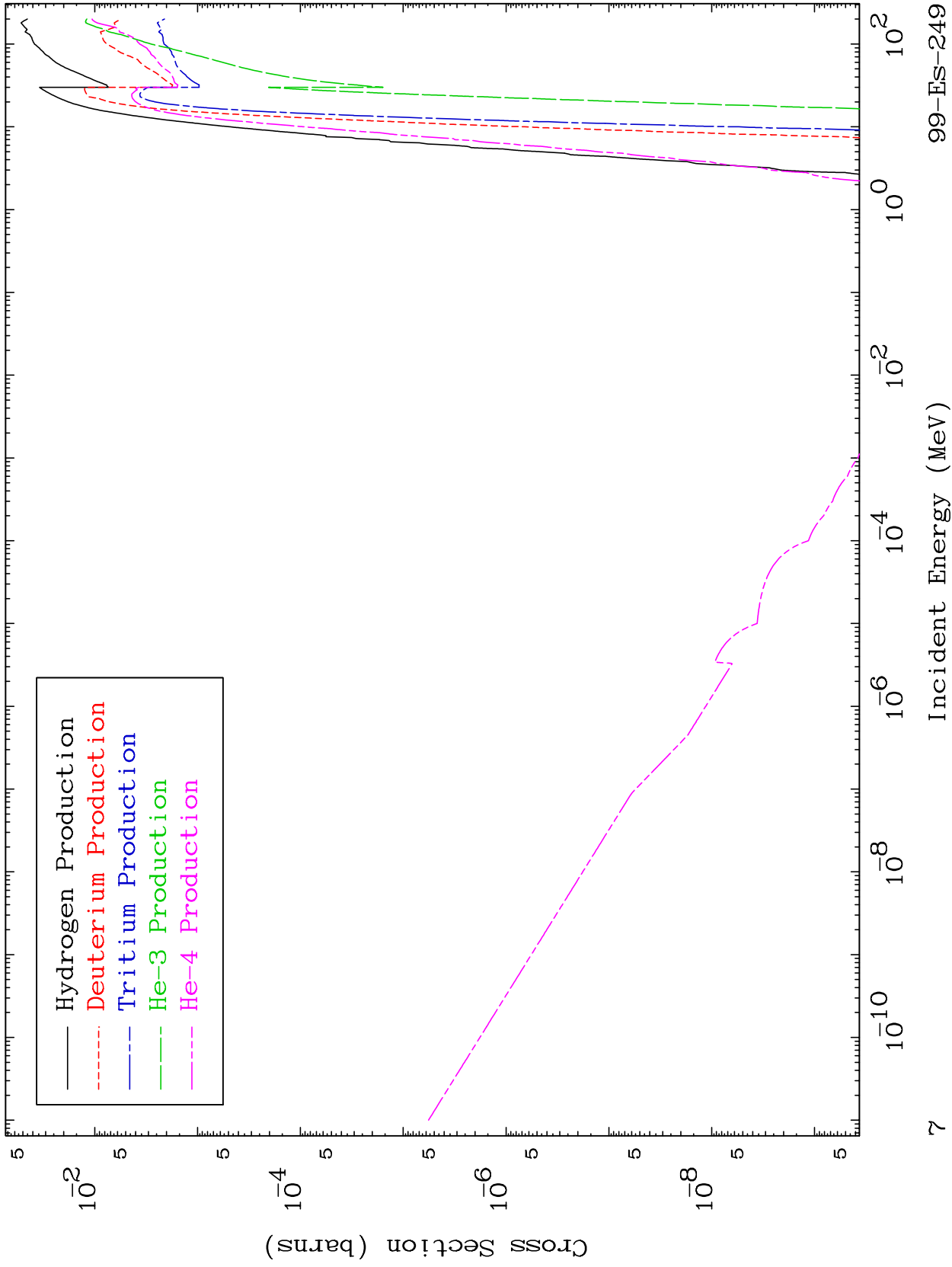
Charged Particle
293 Kelvin Cross Sections

99-Es-249



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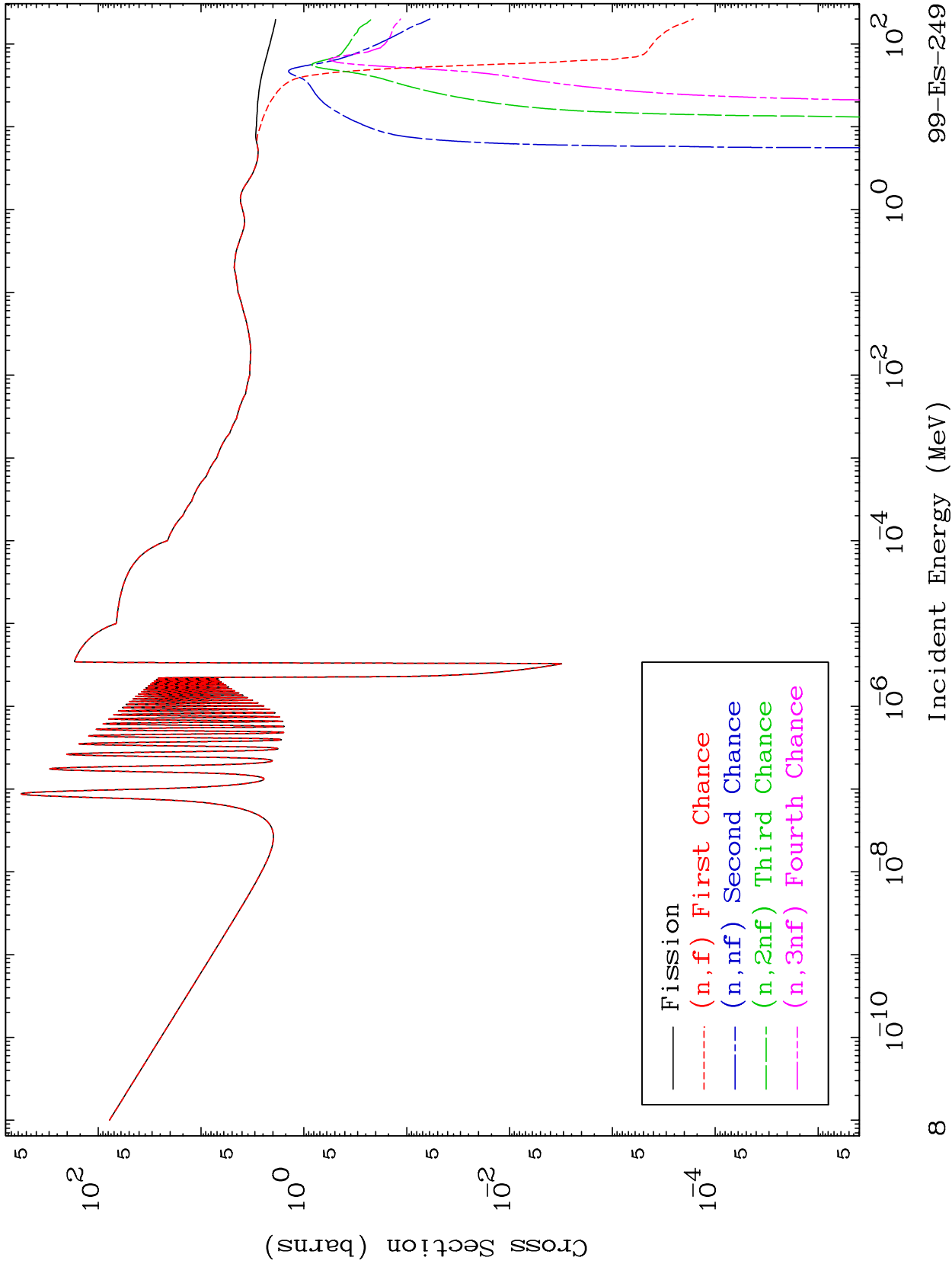
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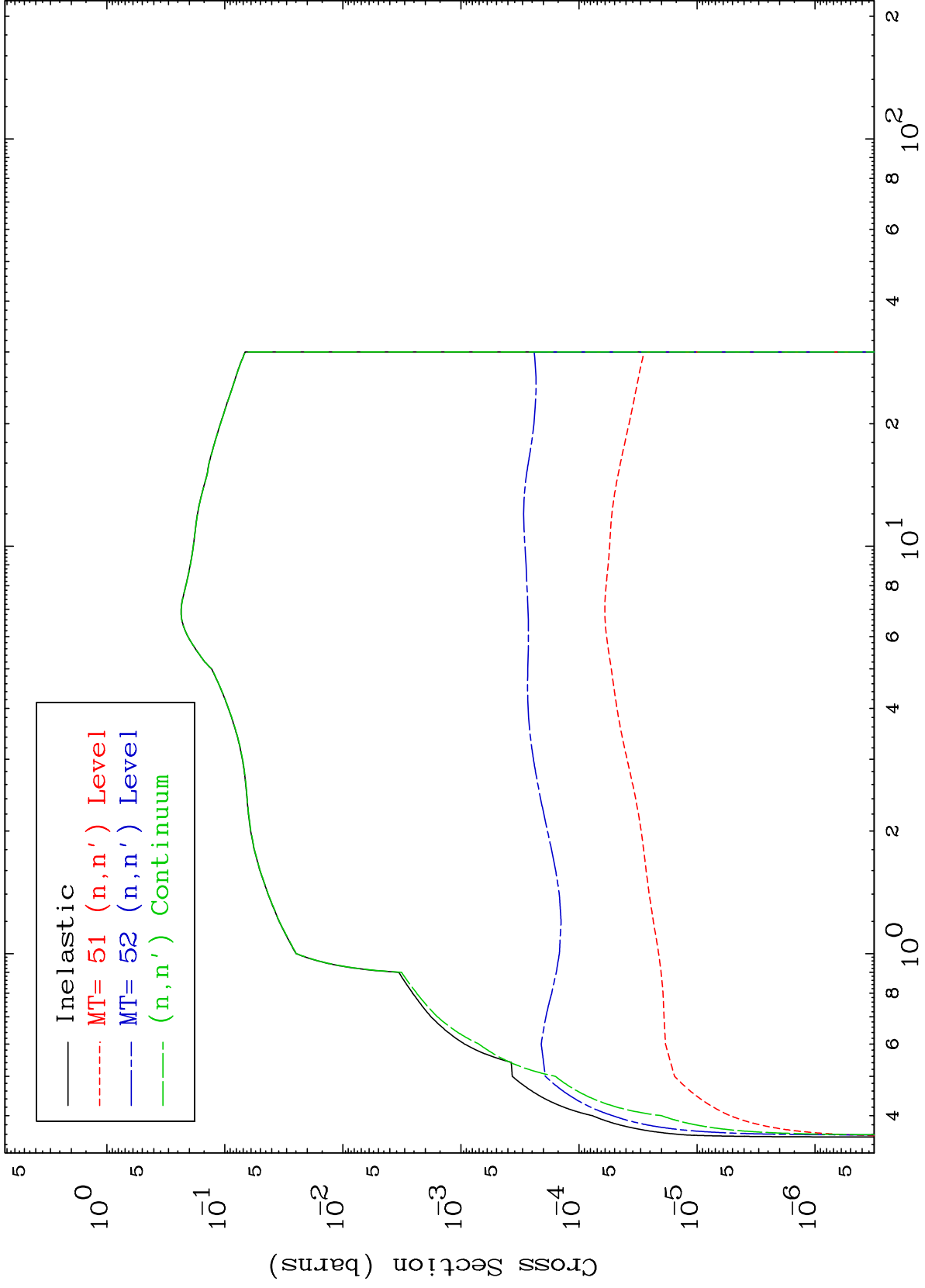


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Fission
293 Kelvin Cross Sections

99-Es-249

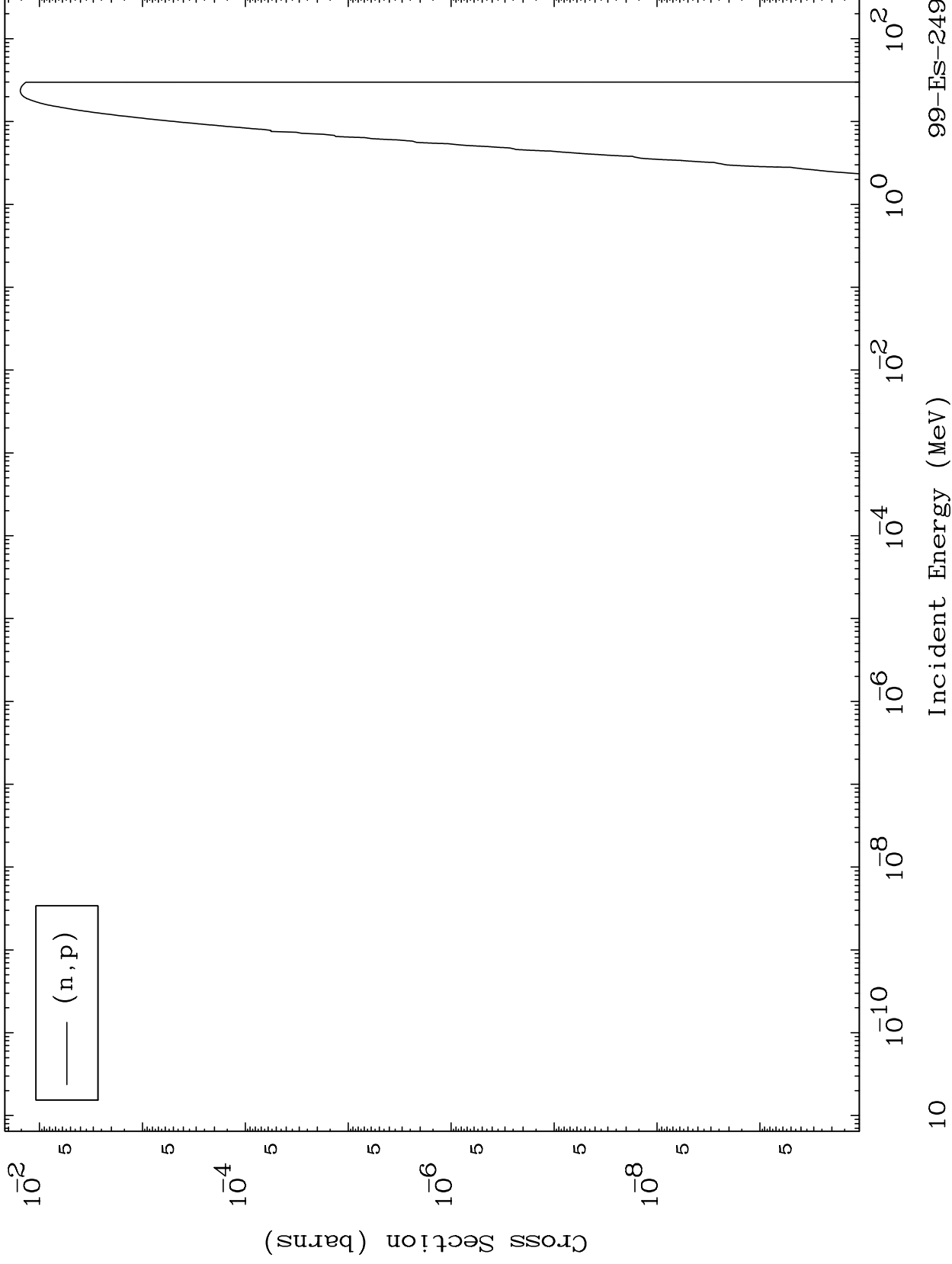




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(n,p) Levels
293 Kelvin Cross Sections

99-Es-249



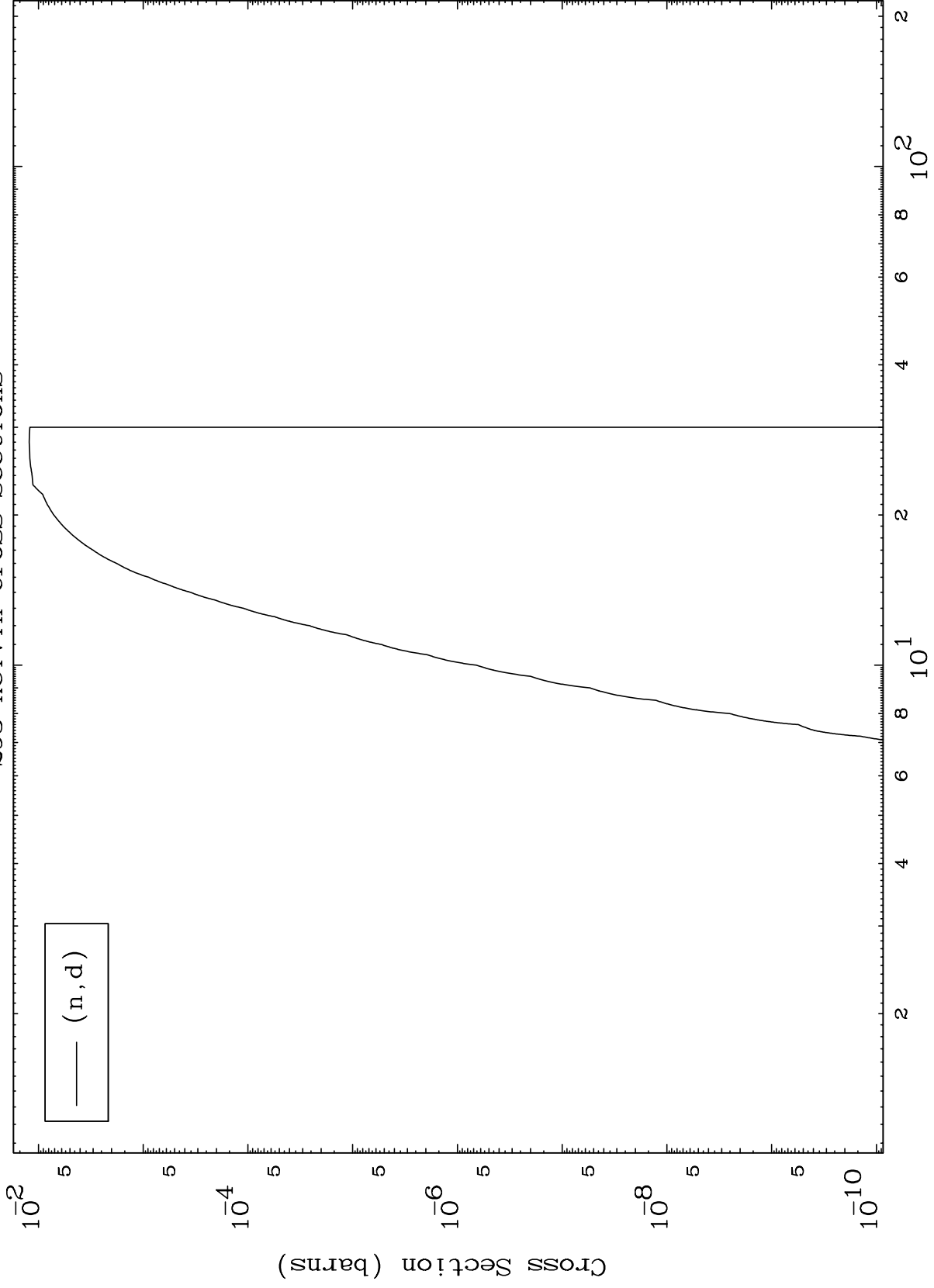
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99-Es-249

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(n,d) Levels
293 Kelvin Cross Sections

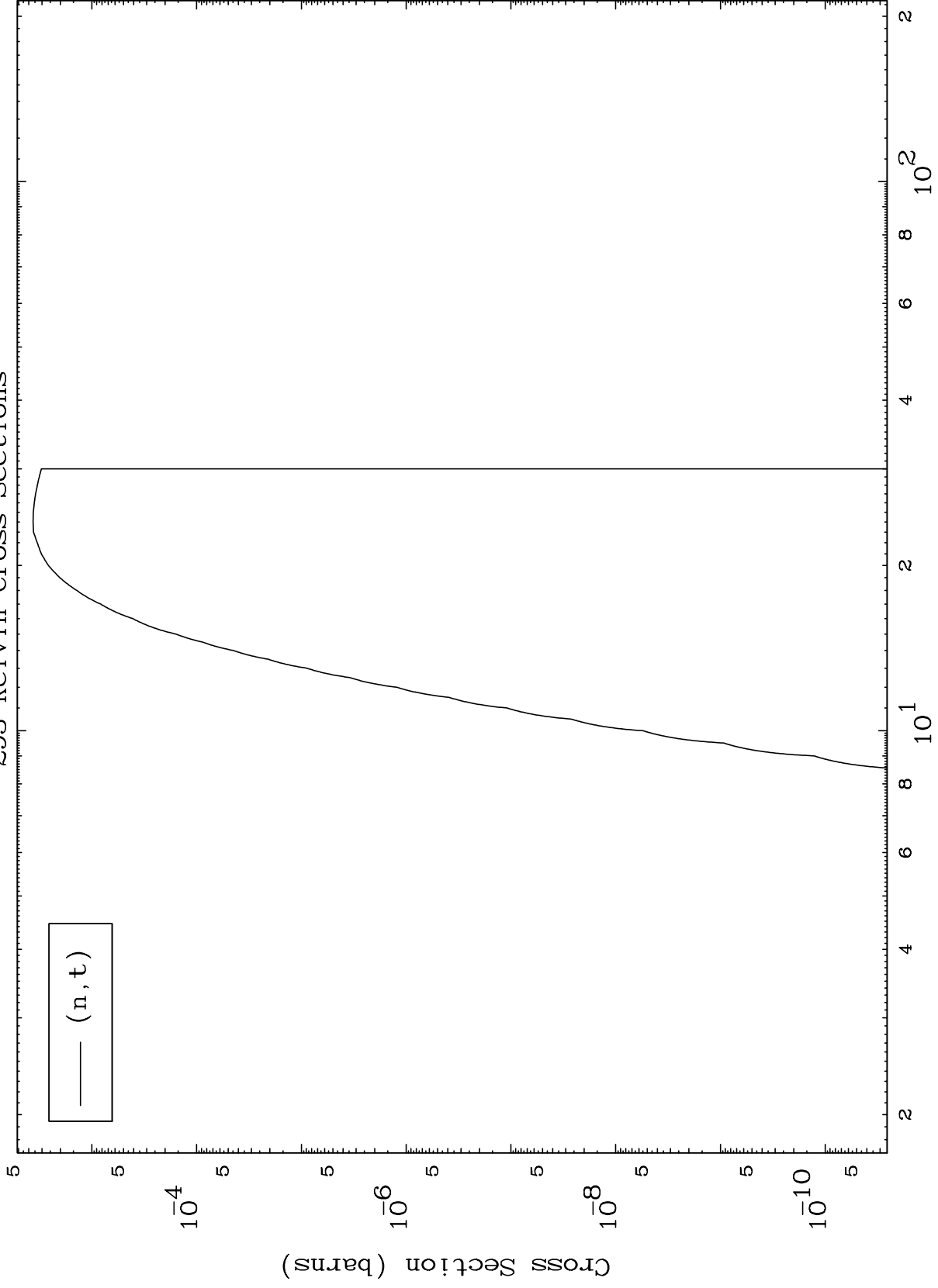
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(n,t) Levels
293 Kelvin Cross Sections

99-Es-249



12

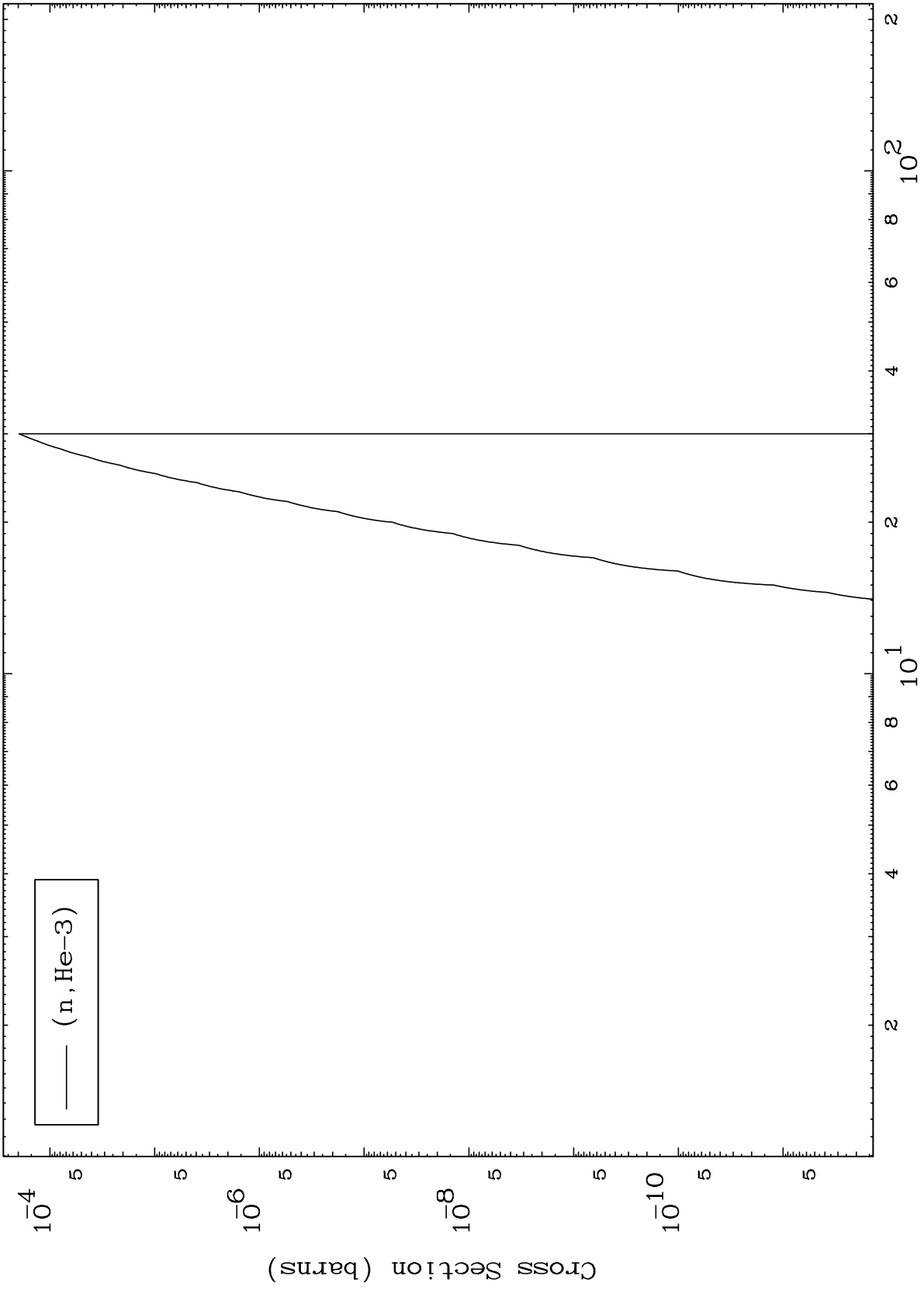
Incident Energy (MeV)

99-Es-249

MAT 9909

(n,He3) Levels
293 Kelvin Cross Sections

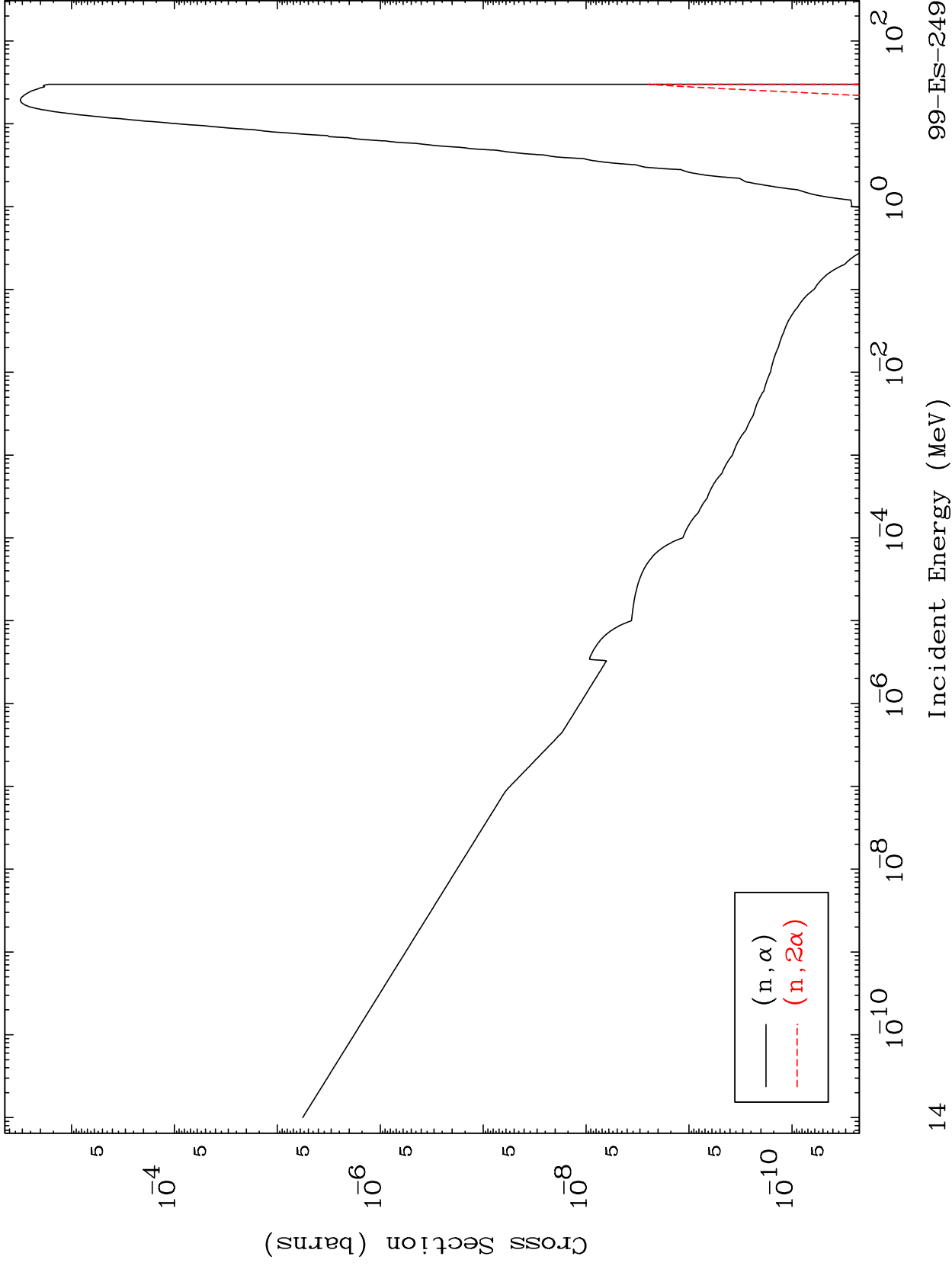
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(n, α) Levels
293 Kelvin Cross Sections

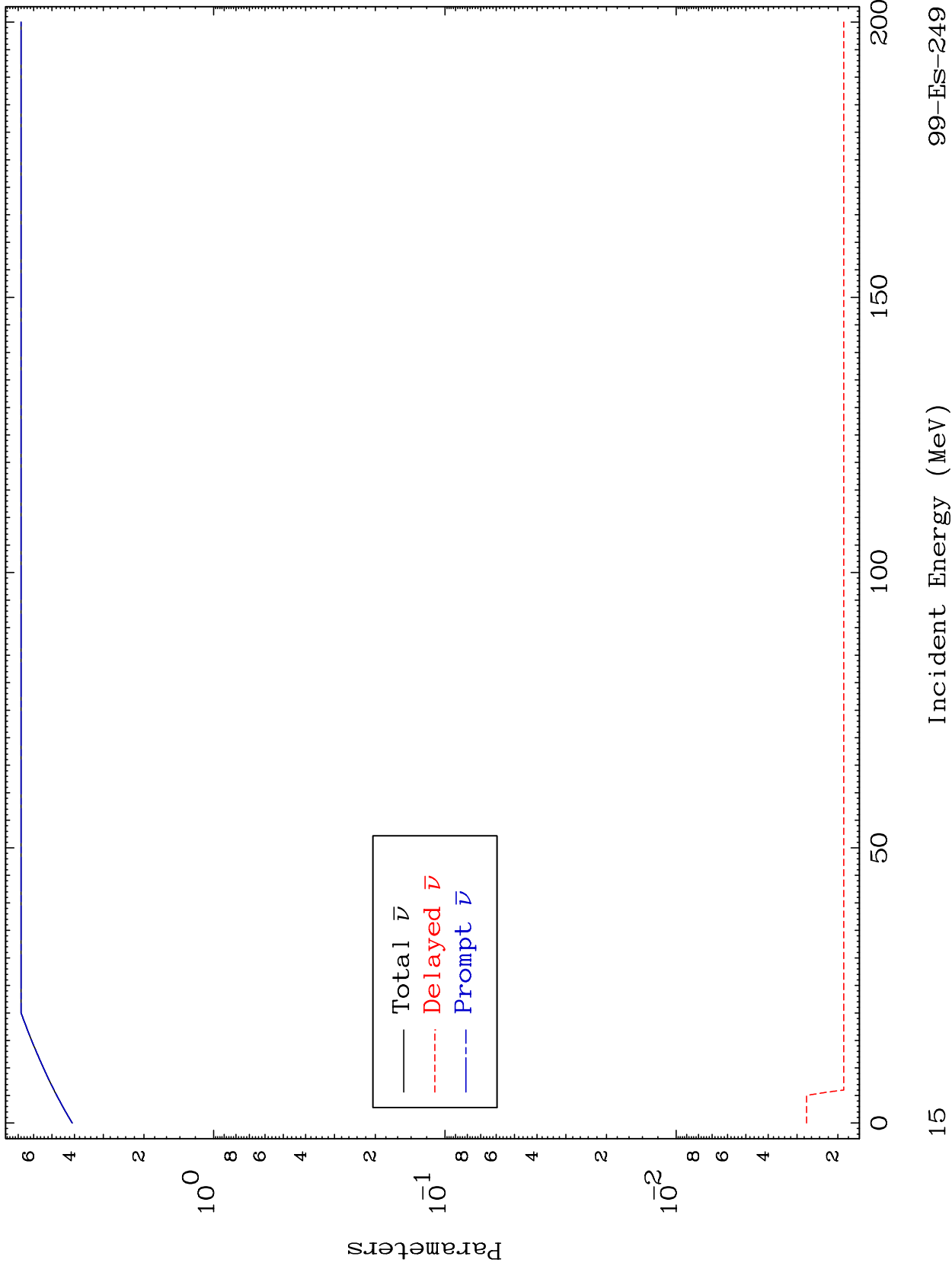
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Energy Release
Parameters

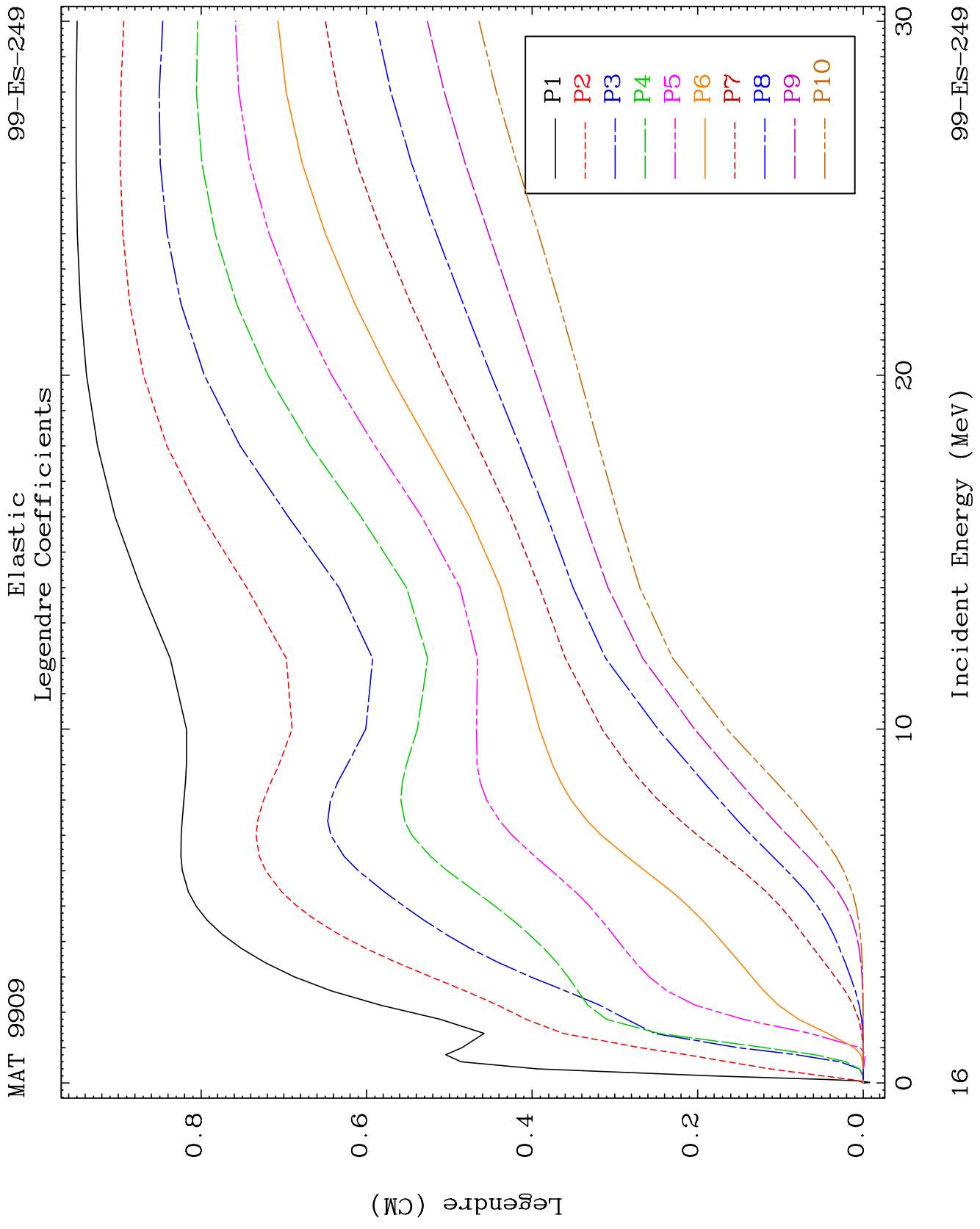
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15

Incident Energy (MeV)

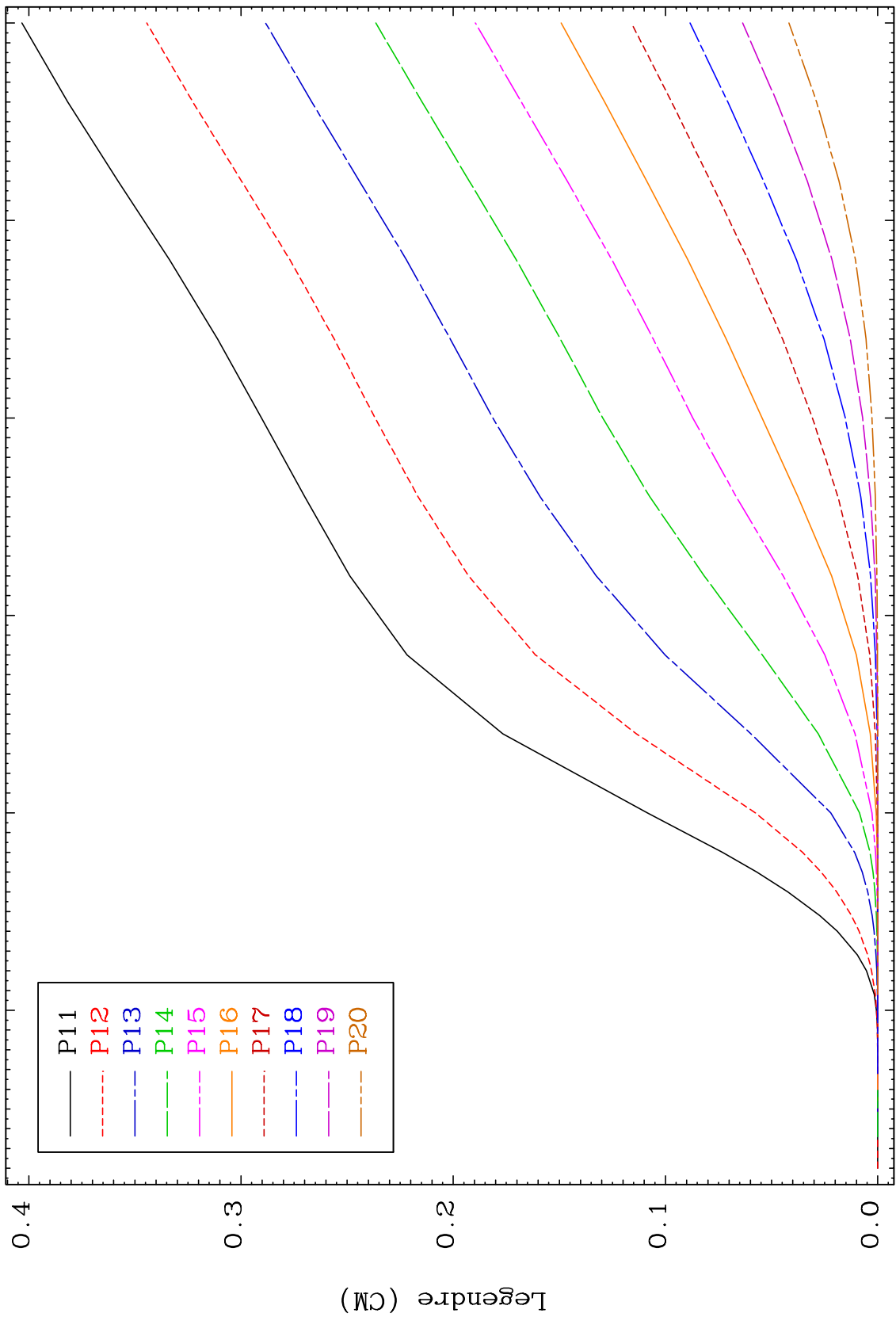
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Elastic Legendre Coefficients

99-Es-249



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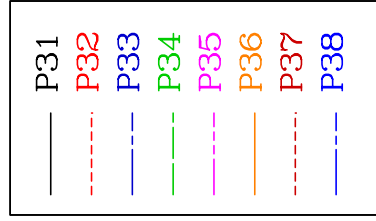
Incident Energy (MeV)

99-Es-249

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Elastic Legendre Coefficients

99-Es-249



$\times 10^{-6}$
2.5

2.0

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

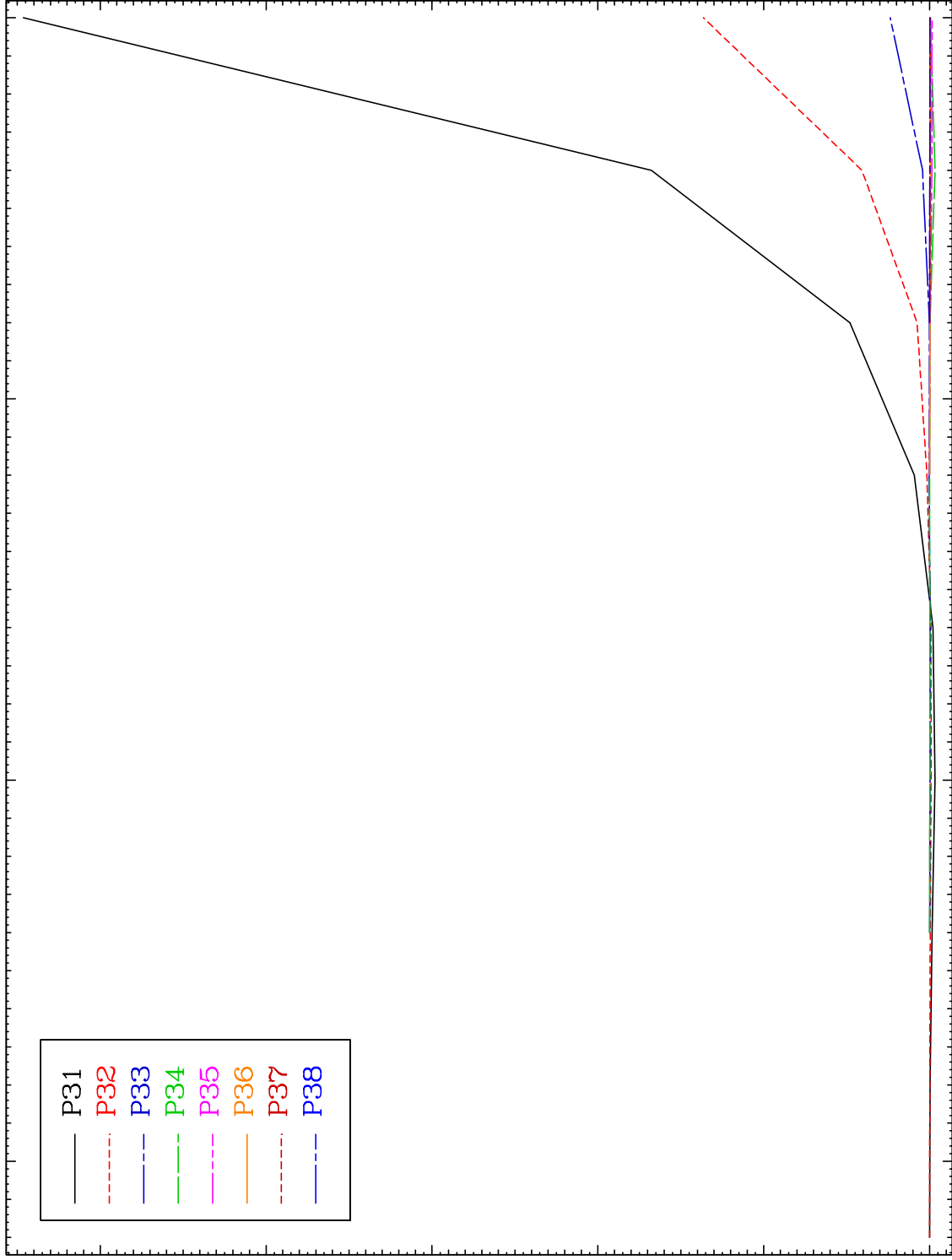
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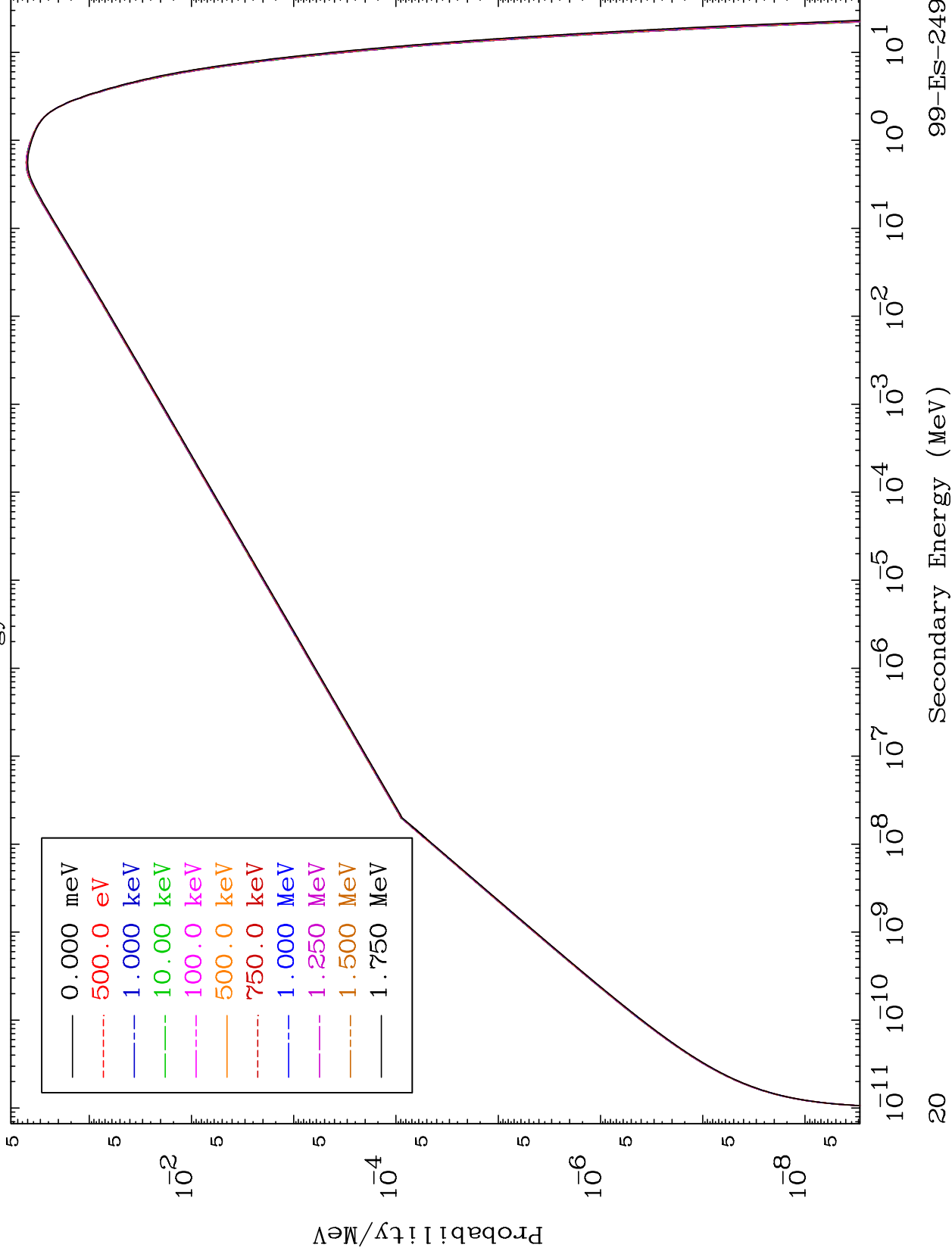
19

Incident Energy (MeV)

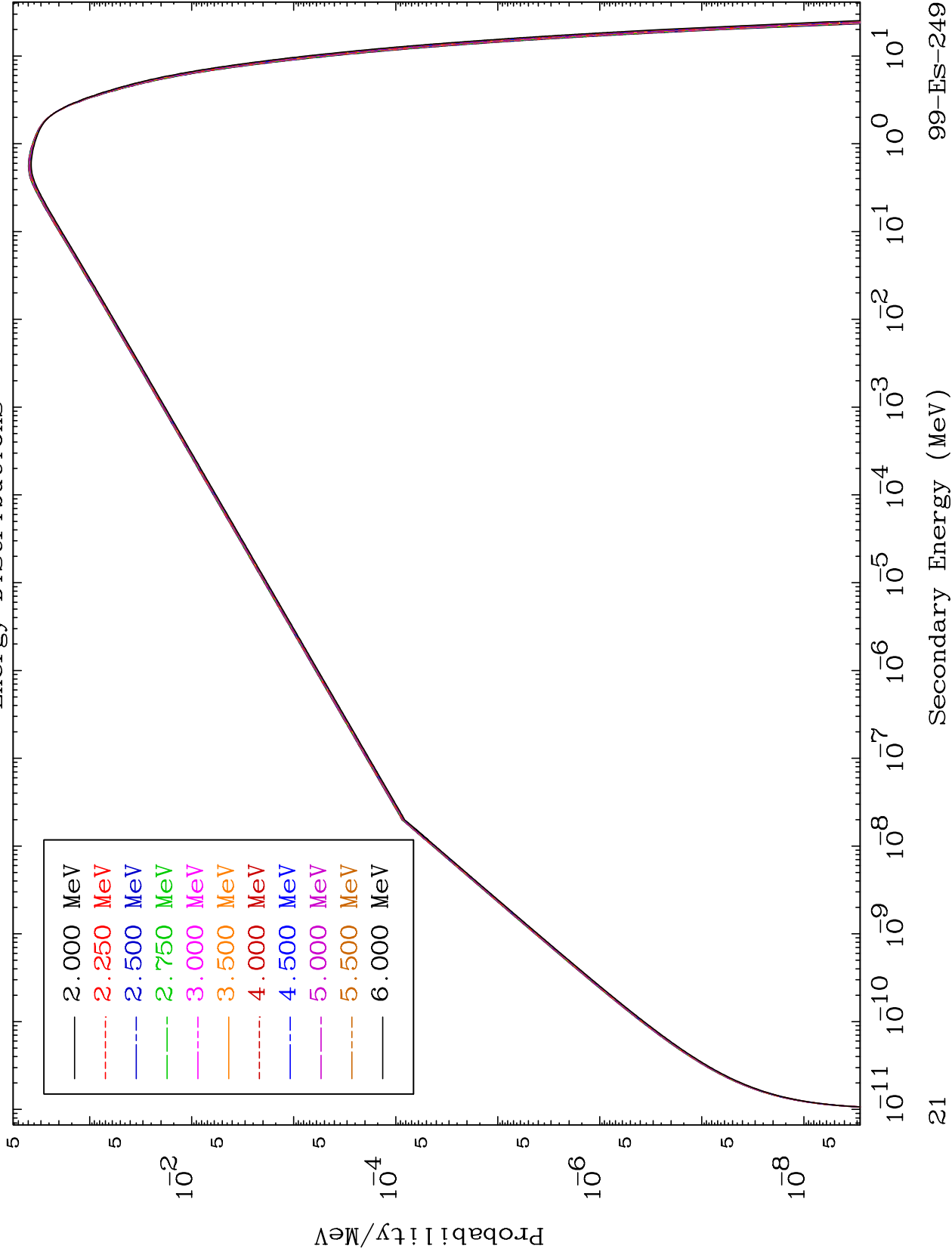
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Fission Energy Distributions



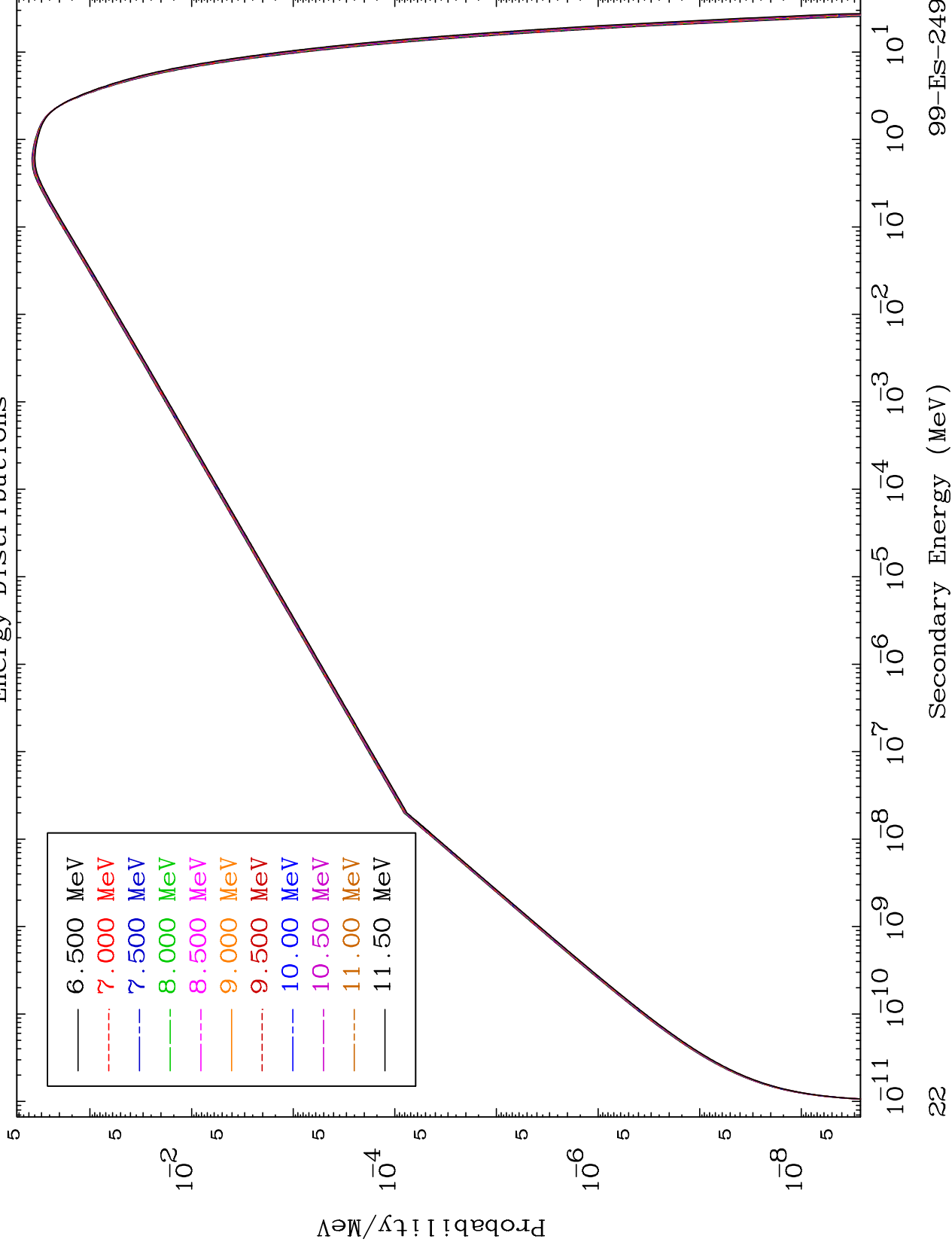
Fission Energy Distributions



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Fission Energy Distributions

99-Es-249



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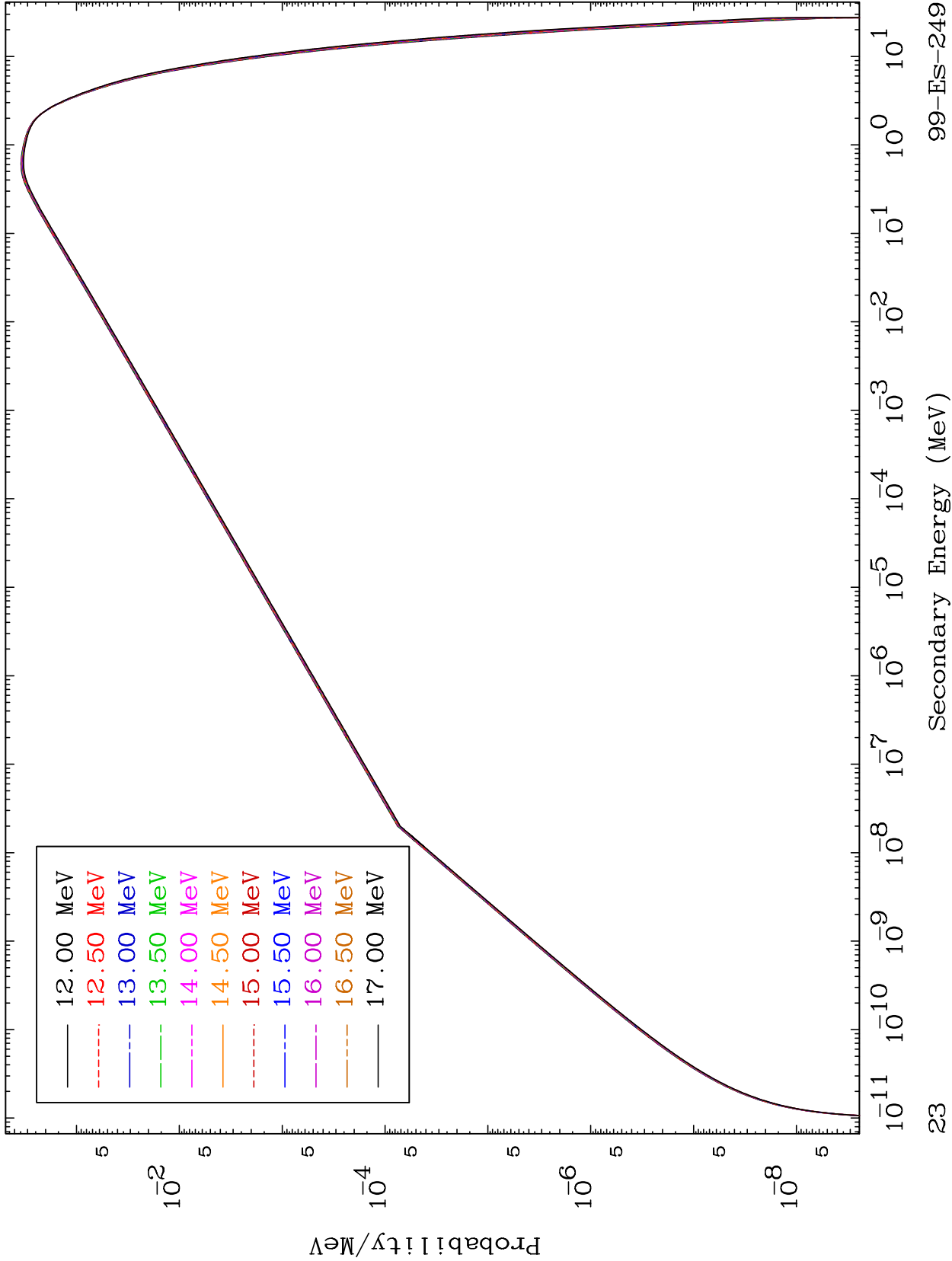
Secondary Energy (MeV)

22

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Fission Energy Distributions

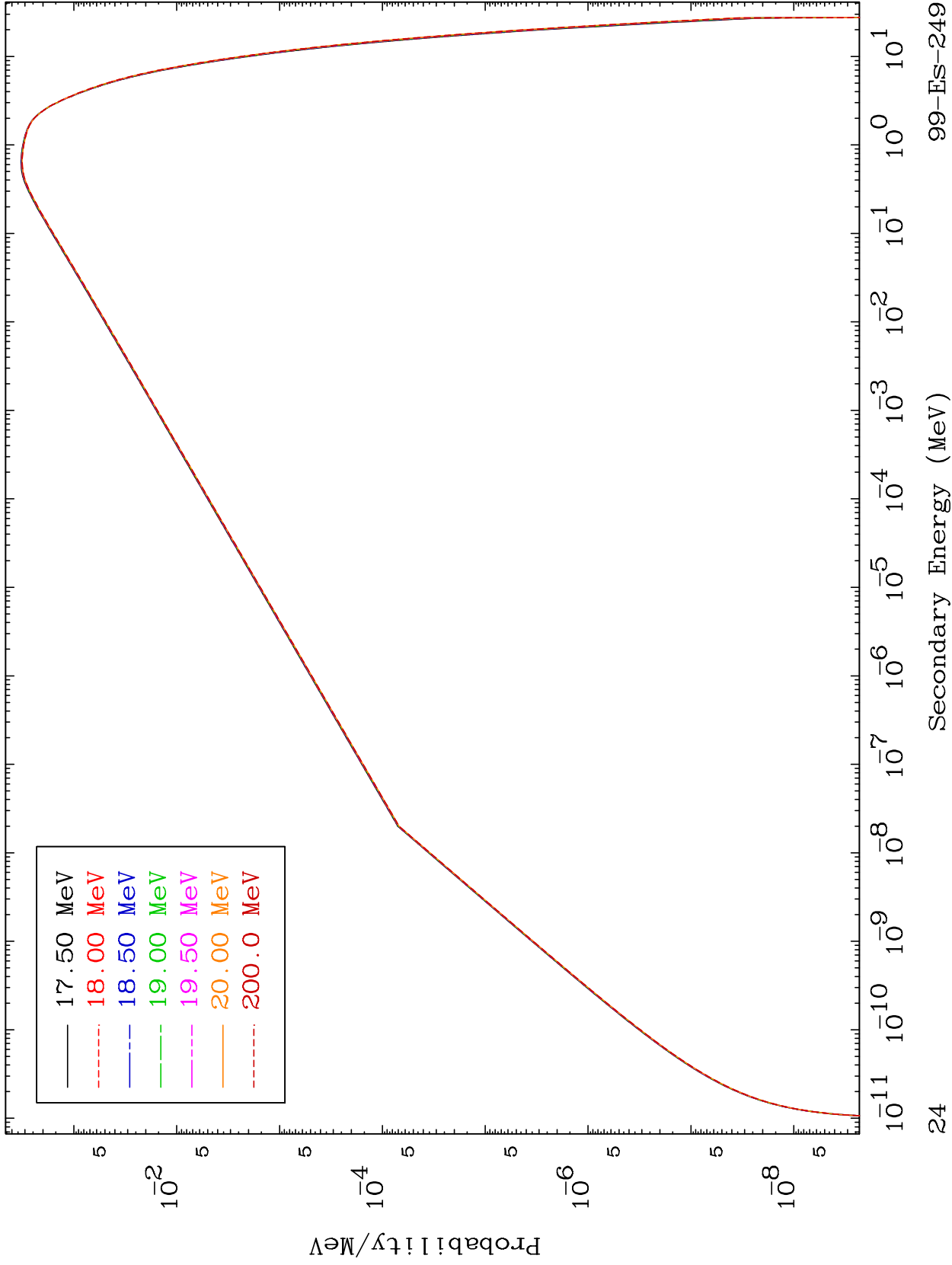
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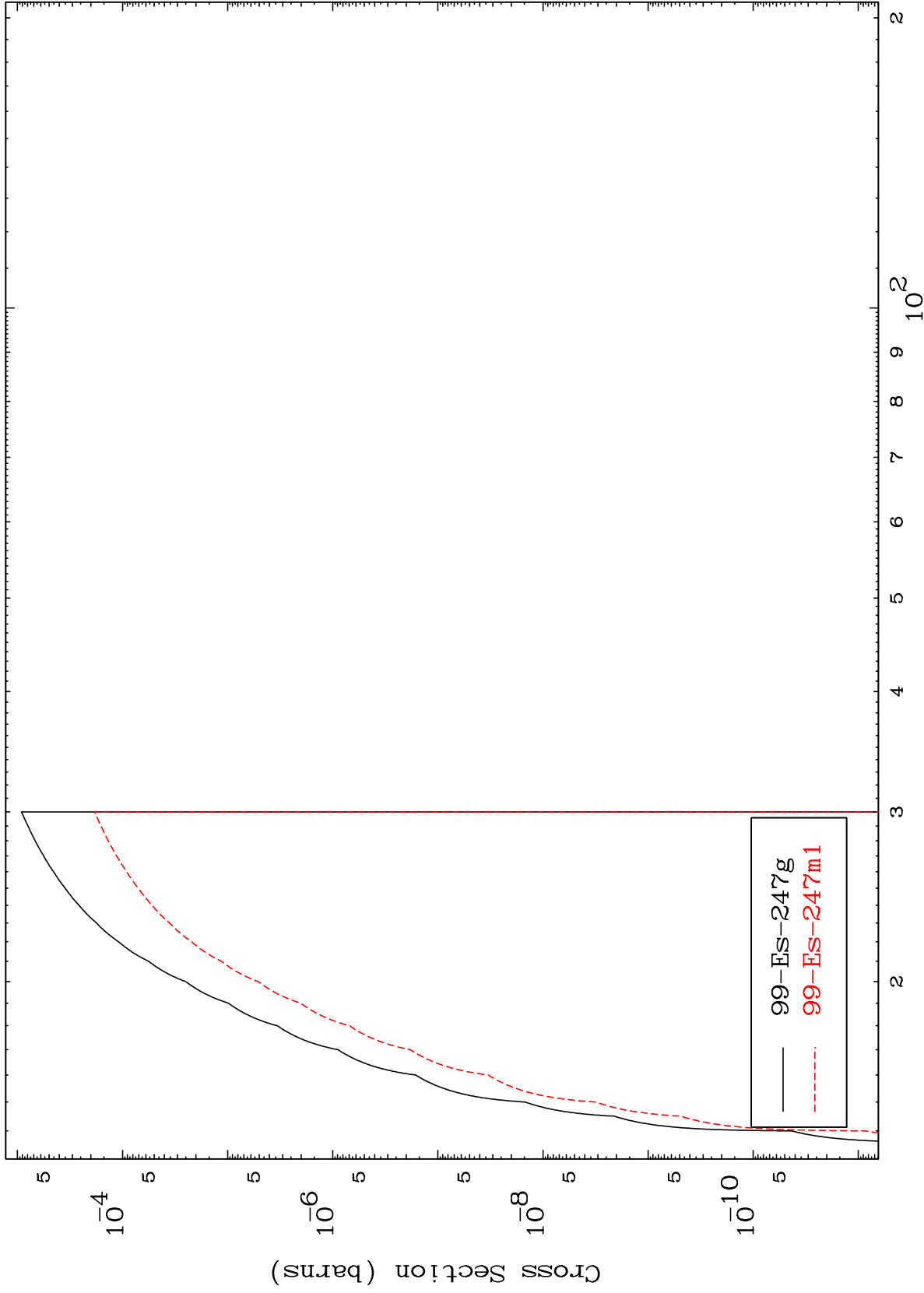
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Secondary Energy (MeV)

Fission Energy Distributions

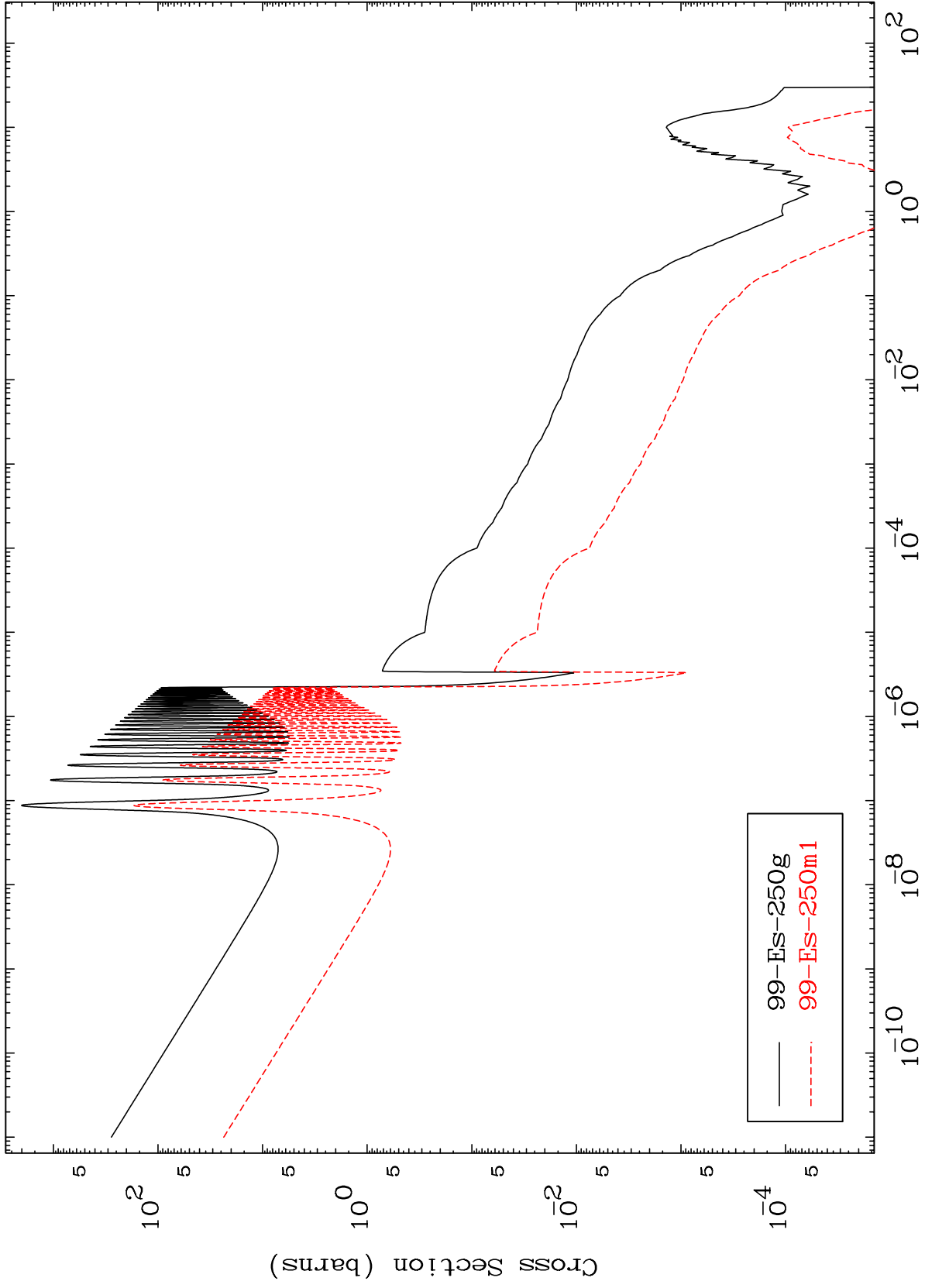


Radionuclide Production Cross Section
(n,3n)



Radionuclide Production Cross Section

(n, γ)

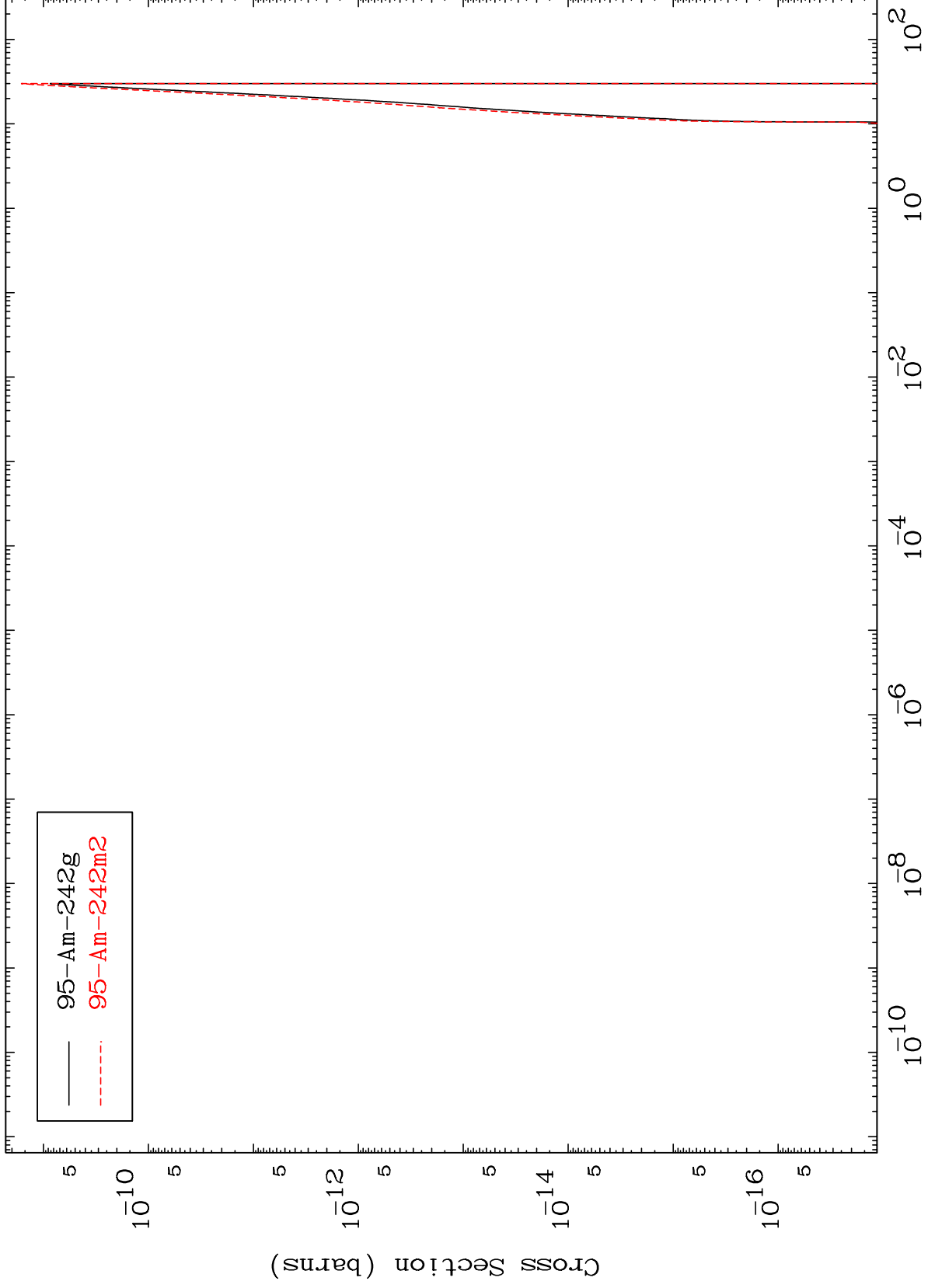


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(n,2α)

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Radionuclide Production Cross Section

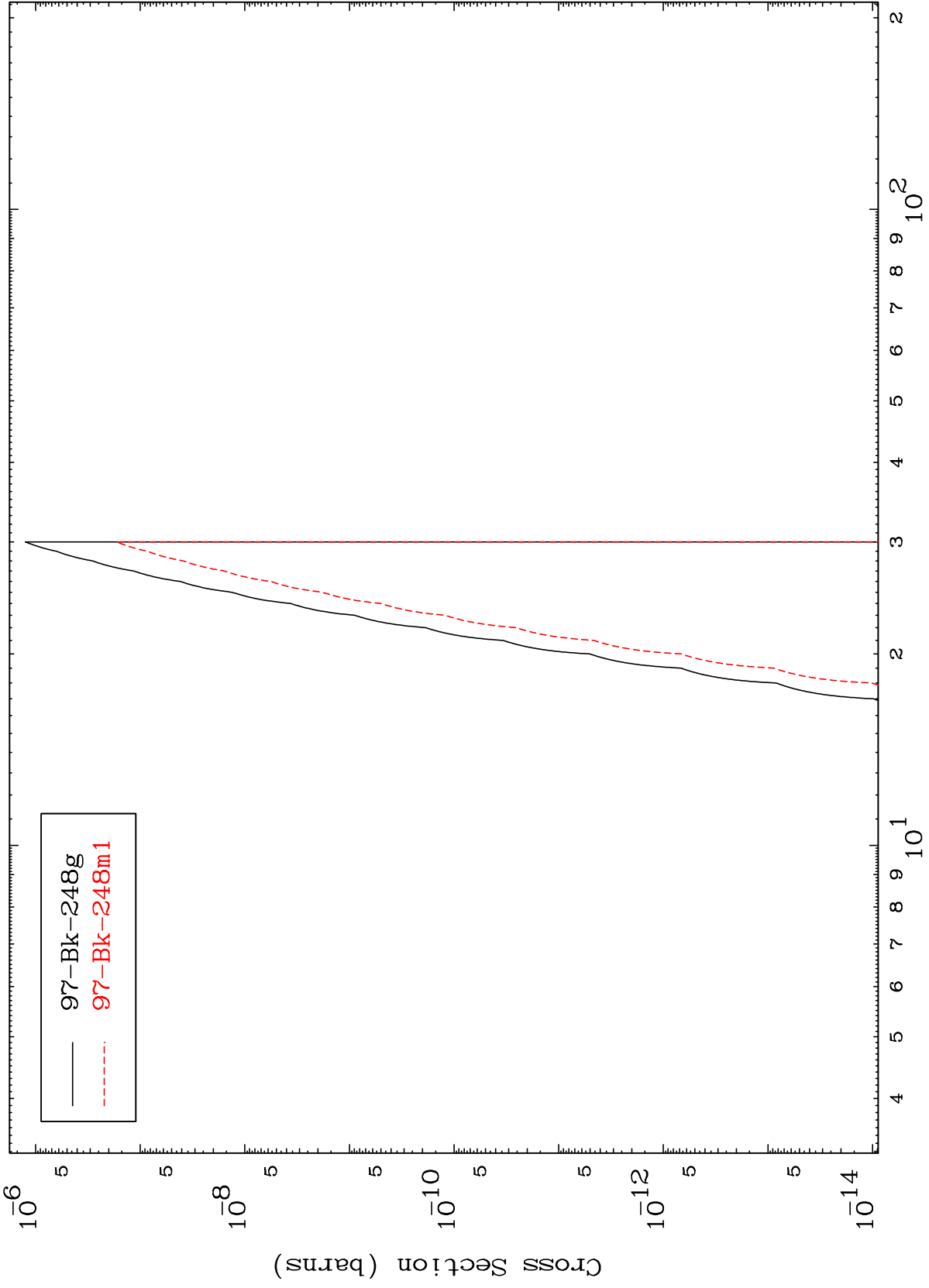


95-Am-242g
95-Am-242m2

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(n,2p)
Radionuclide Production Cross Section



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Incident Energy (MeV)

99-Es-249