

Program EVALPLOT
(Version 2021-1)

by

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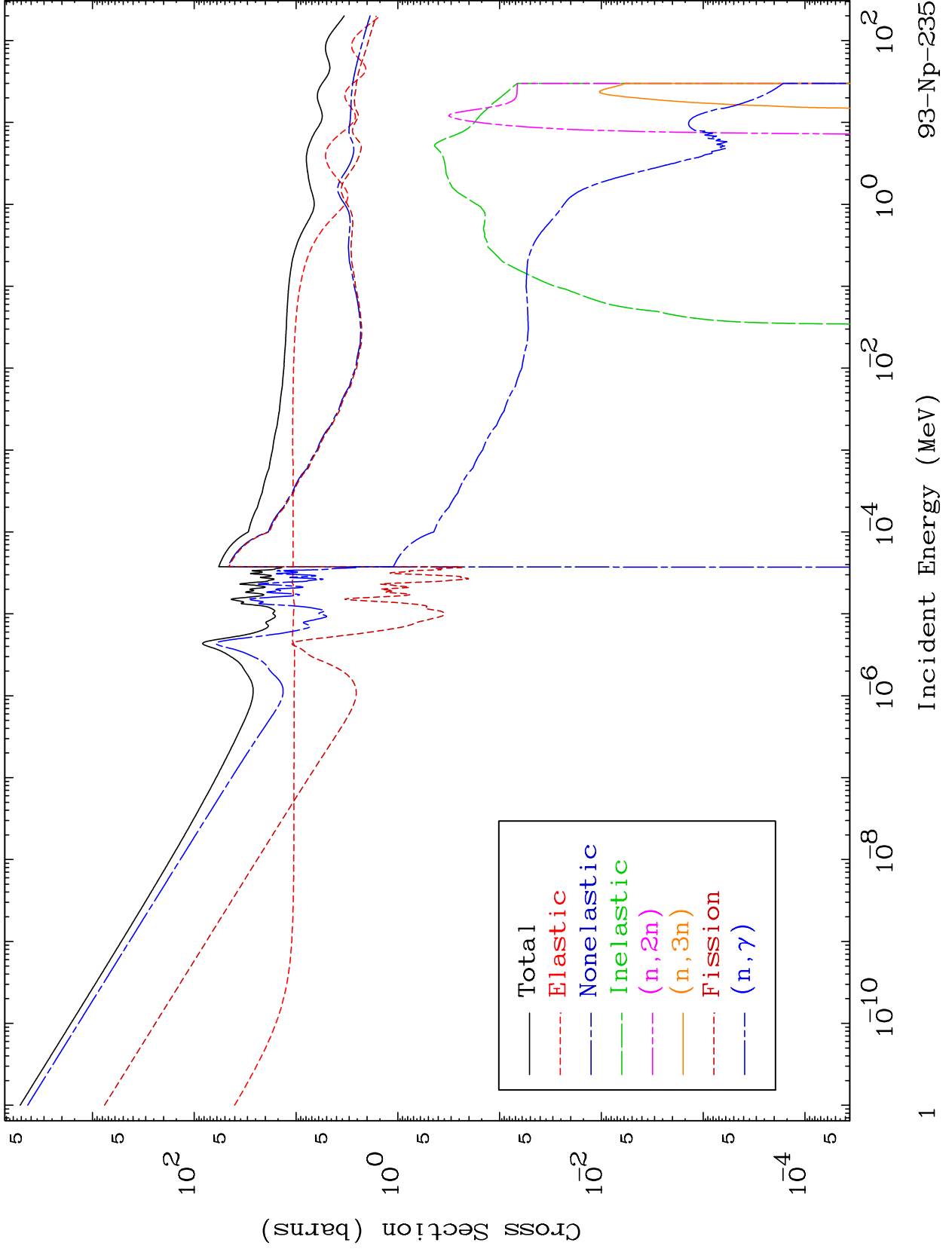
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Press Mouse Button to Start

MAT 9340

Neutron Major
293 Kelvin Cross Sections

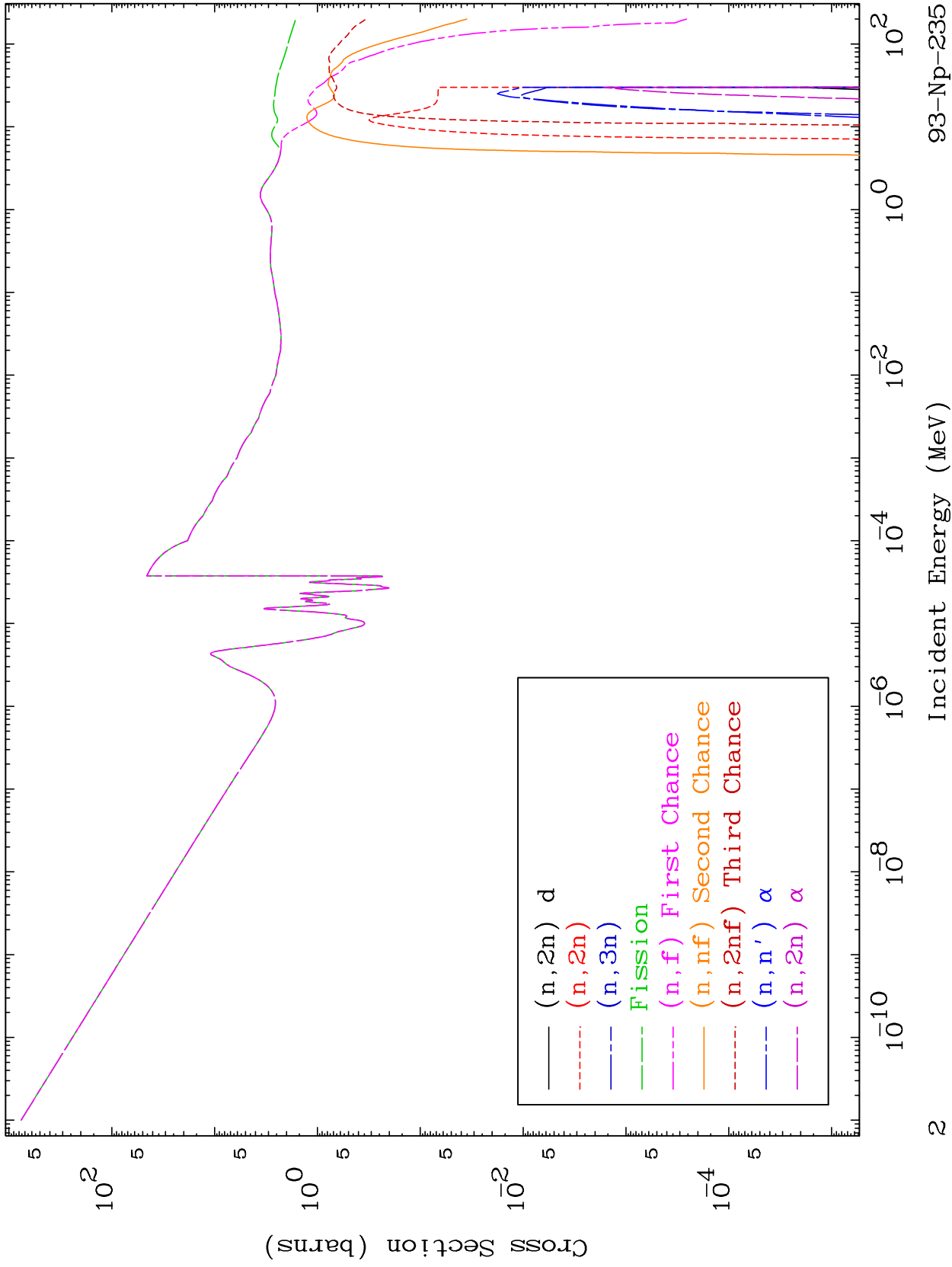
93-Np-235



MAT 9340

Neutron Absorption
293 Kelvin Cross Sections

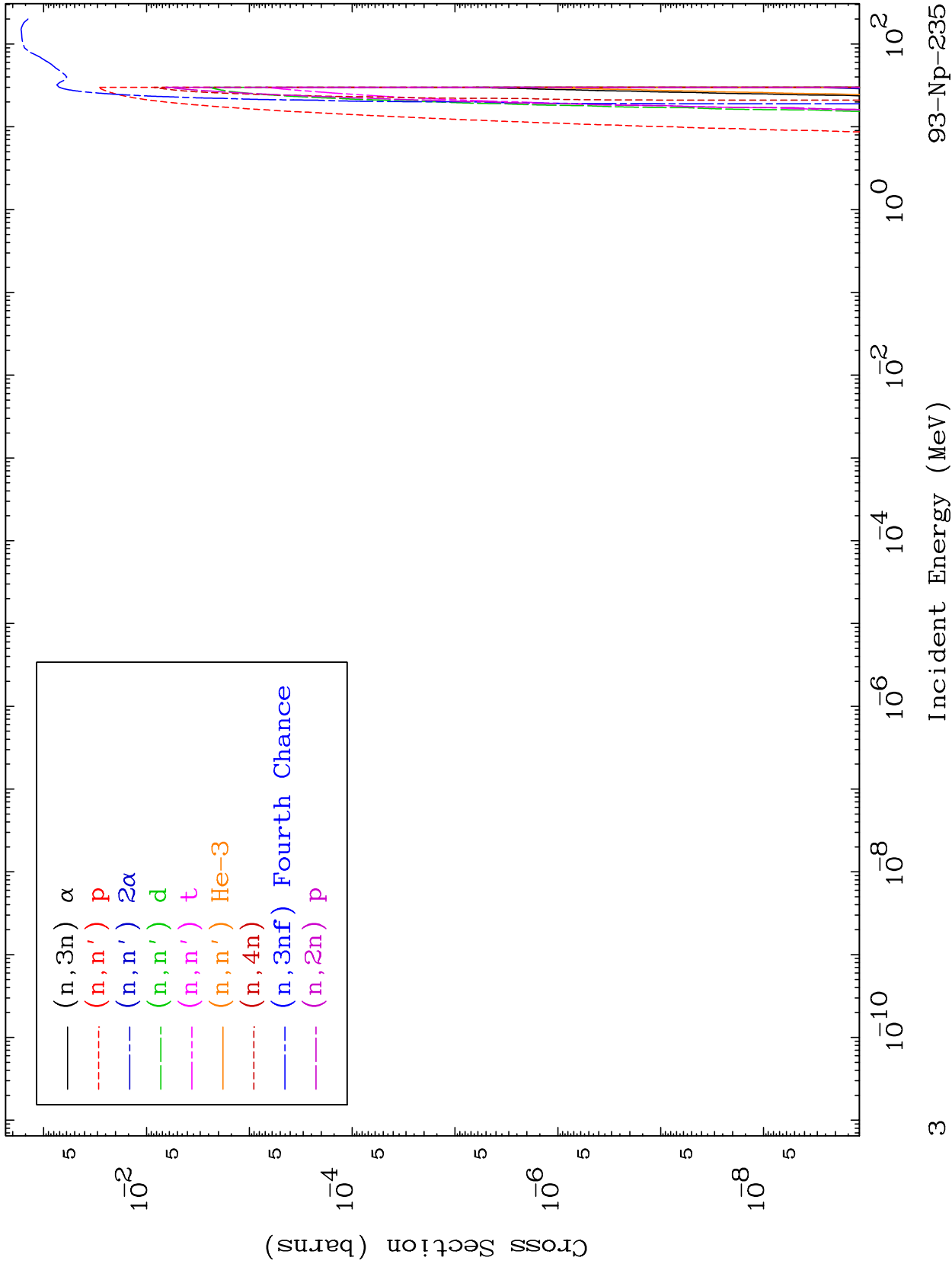
93-Np-235



MAT 9340

Neutron Absorption
293 Kelvin Cross Sections

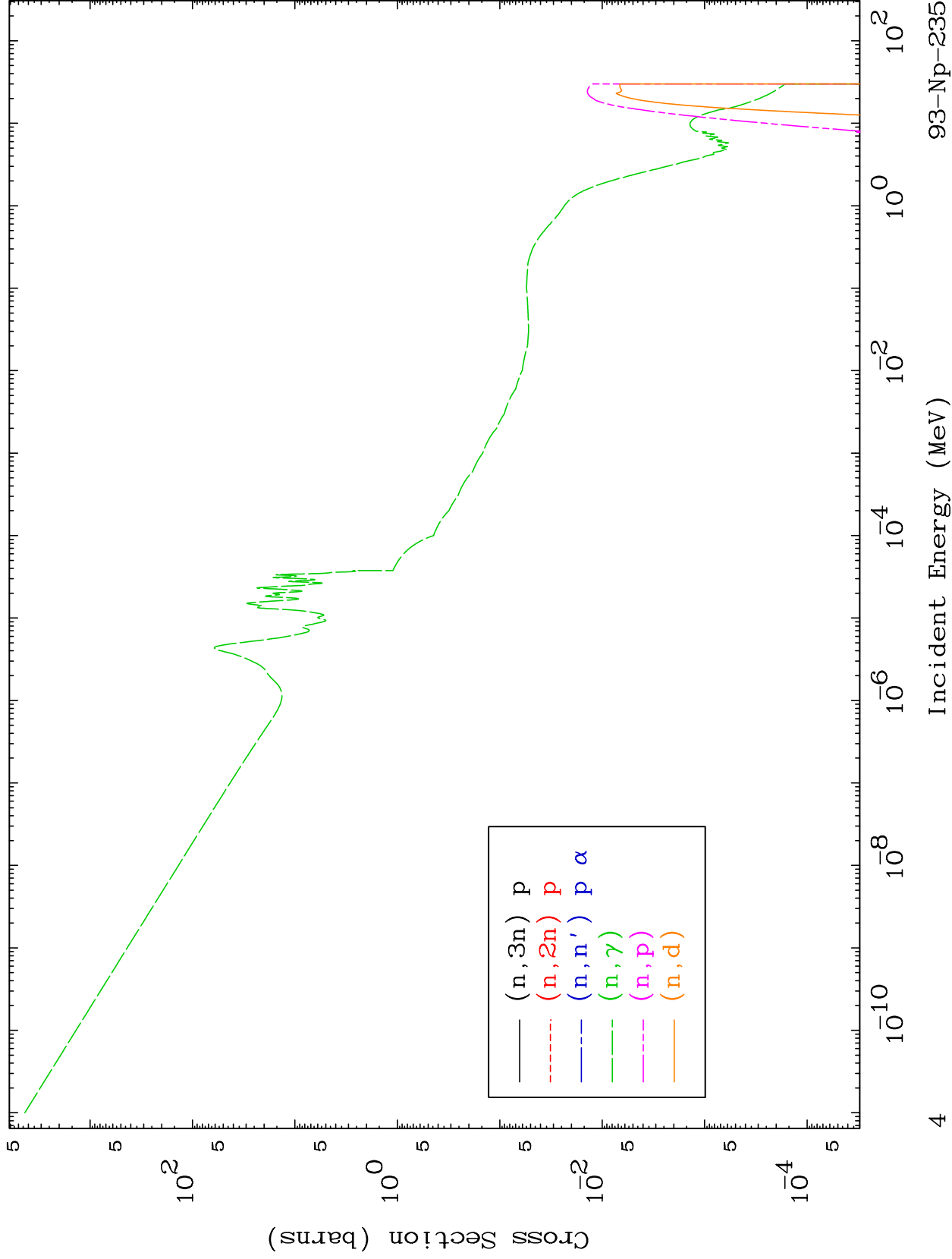
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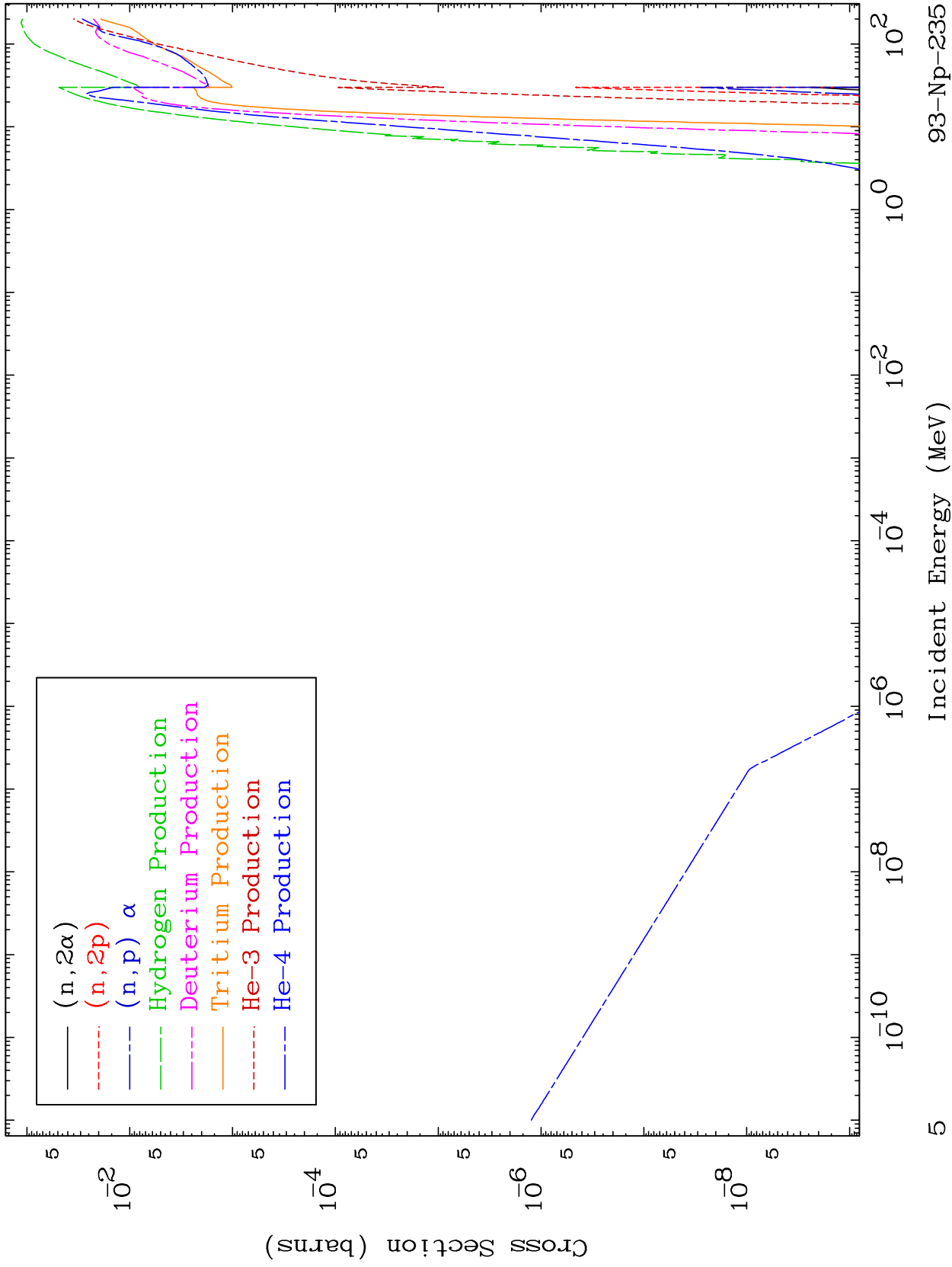


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Neutron Absorption
293 Kelvin Cross Sections

93-Np-235

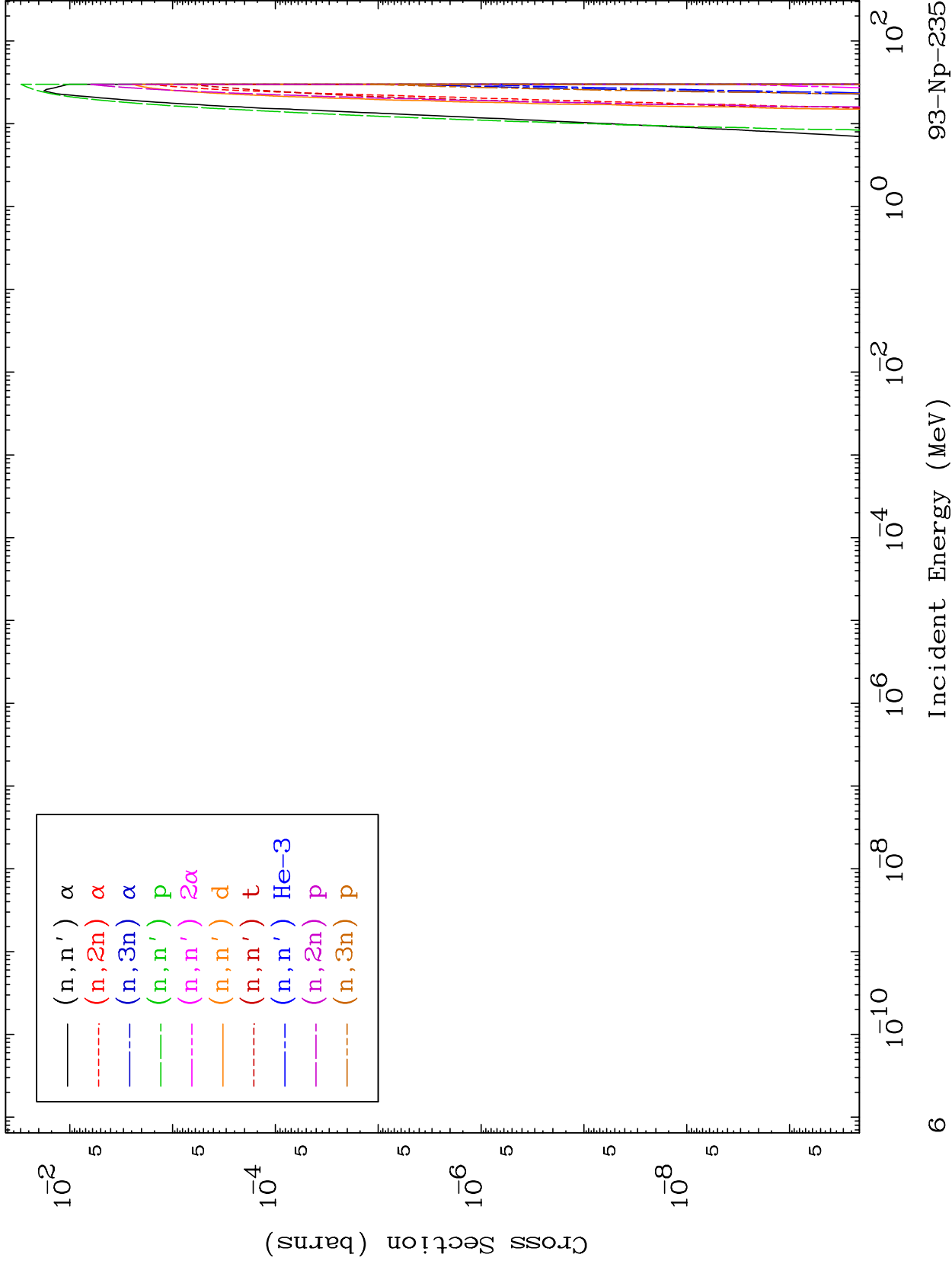




MAT 9340

Charged Particle
293 Kelvin Cross Sections

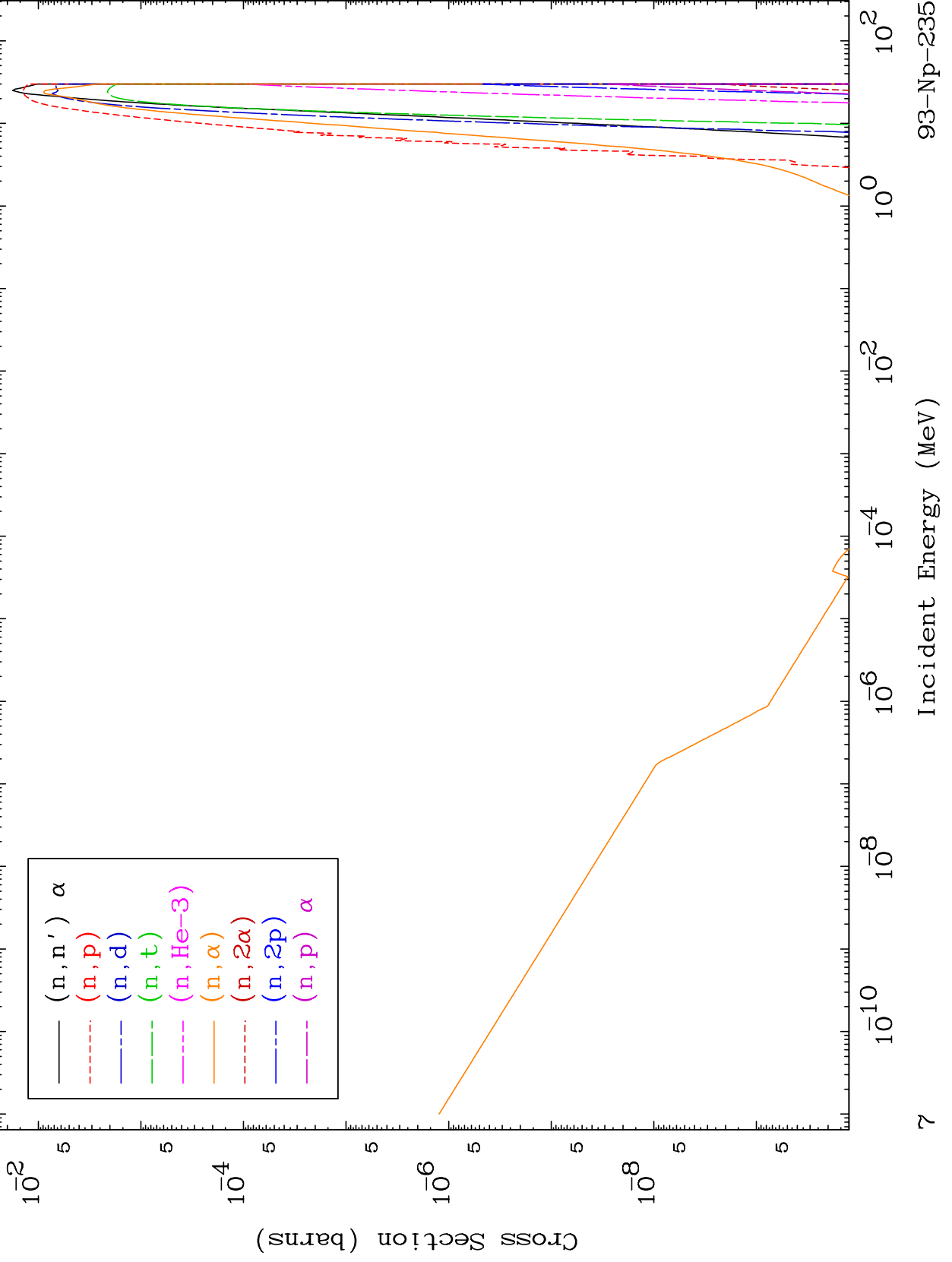
93-Np-235



MAT 9340

Charged Particle
293 Kelvin Cross Sections

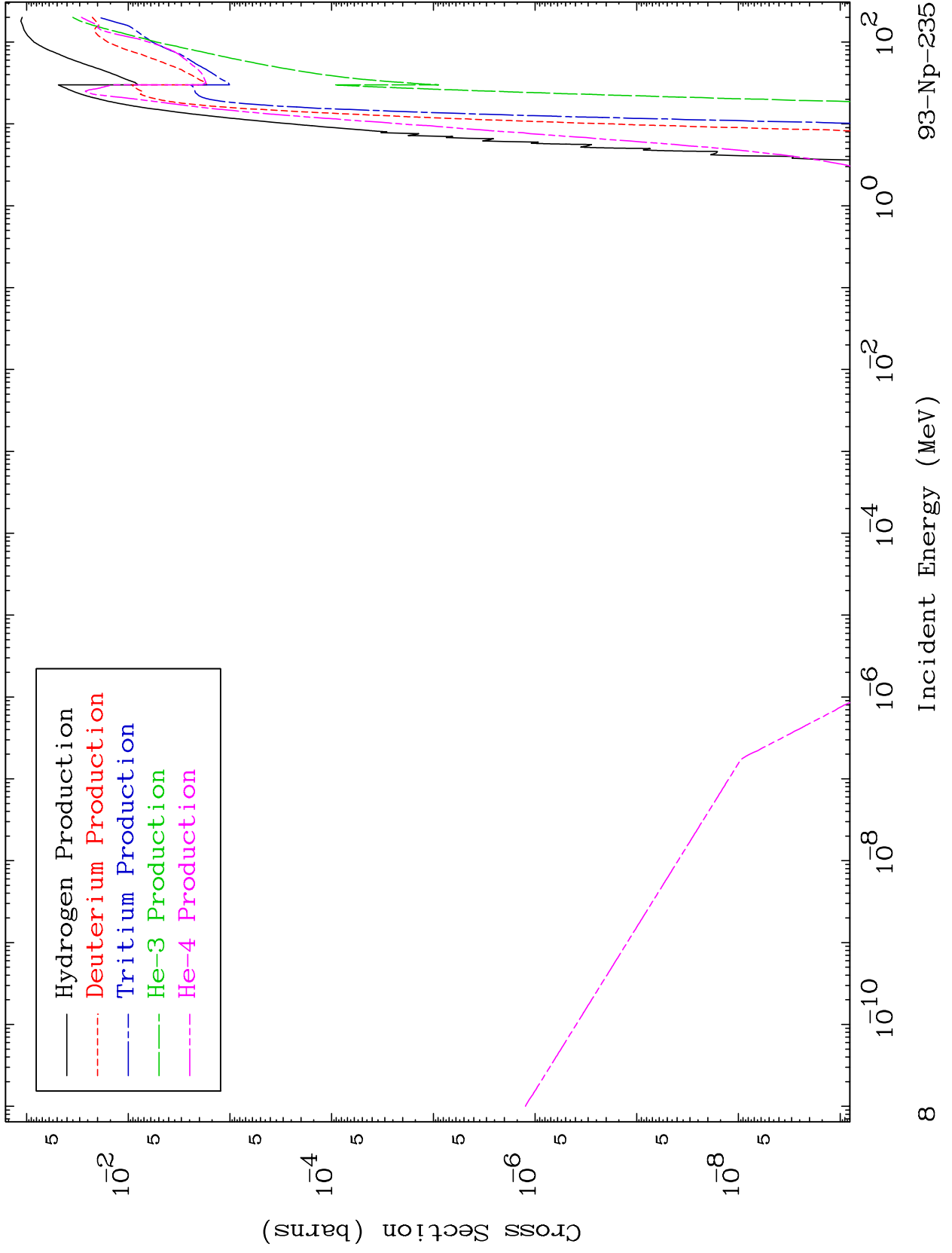
93-Np-235



MAT 9340

Particle Production
293 Kelvin Cross Sections

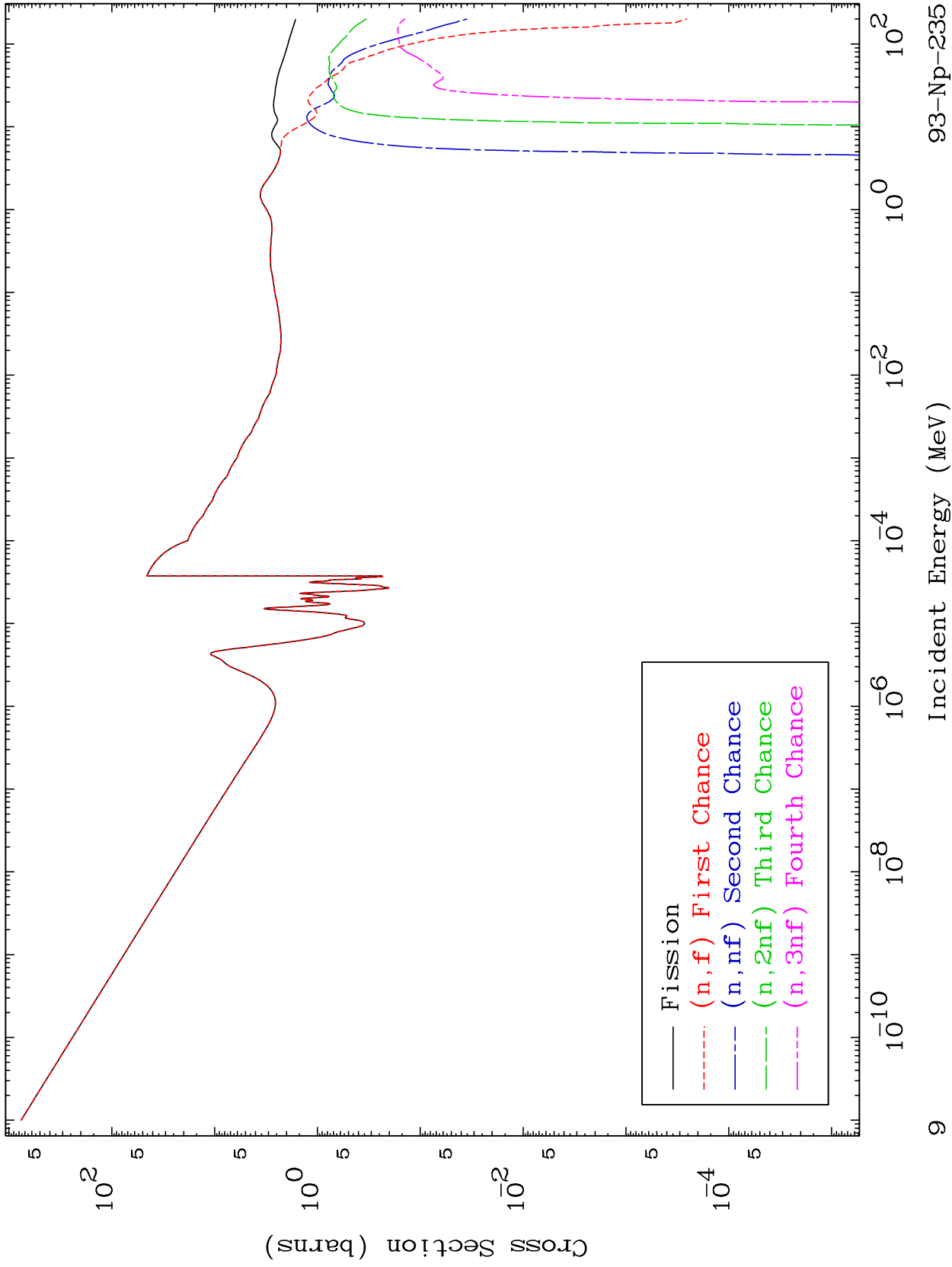
93-Np-235



MAT 9340

Fission
293 Kelvin Cross Sections

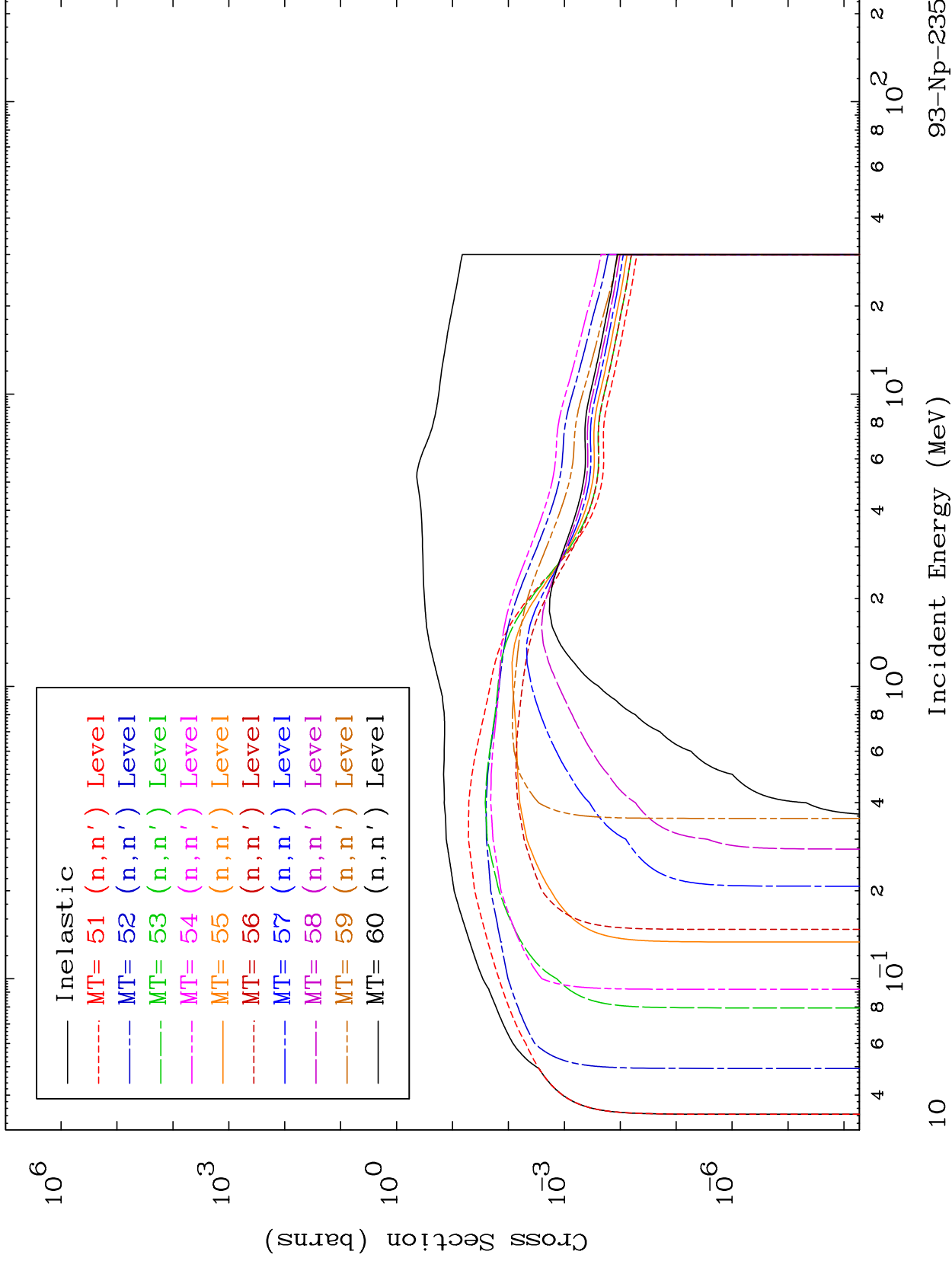
93-Np-235



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(n,n') Levels
293 Kelvin Cross Sections

93-Np-235

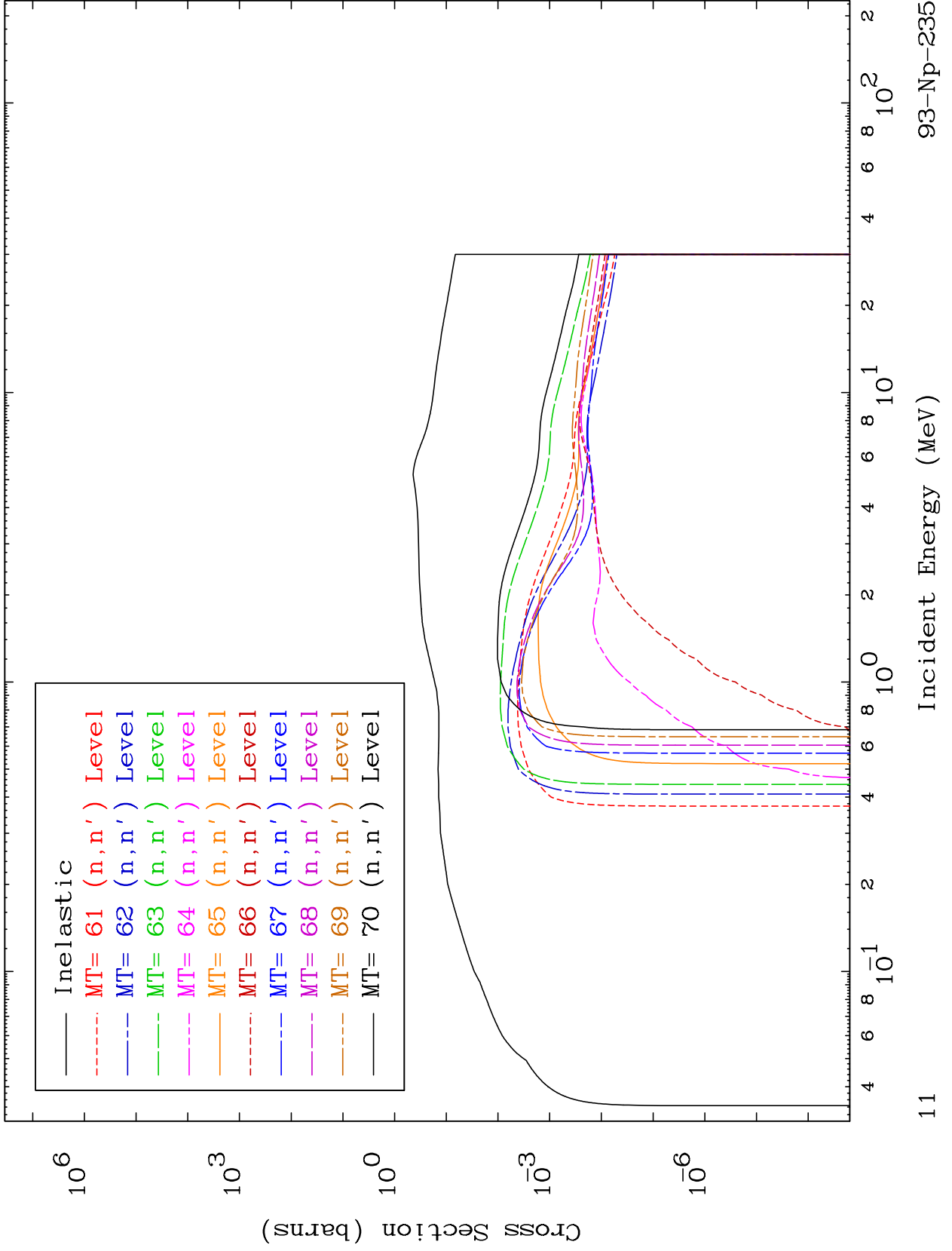


10

MAT 9340

(n,n') Levels
293 Kelvin Cross Sections

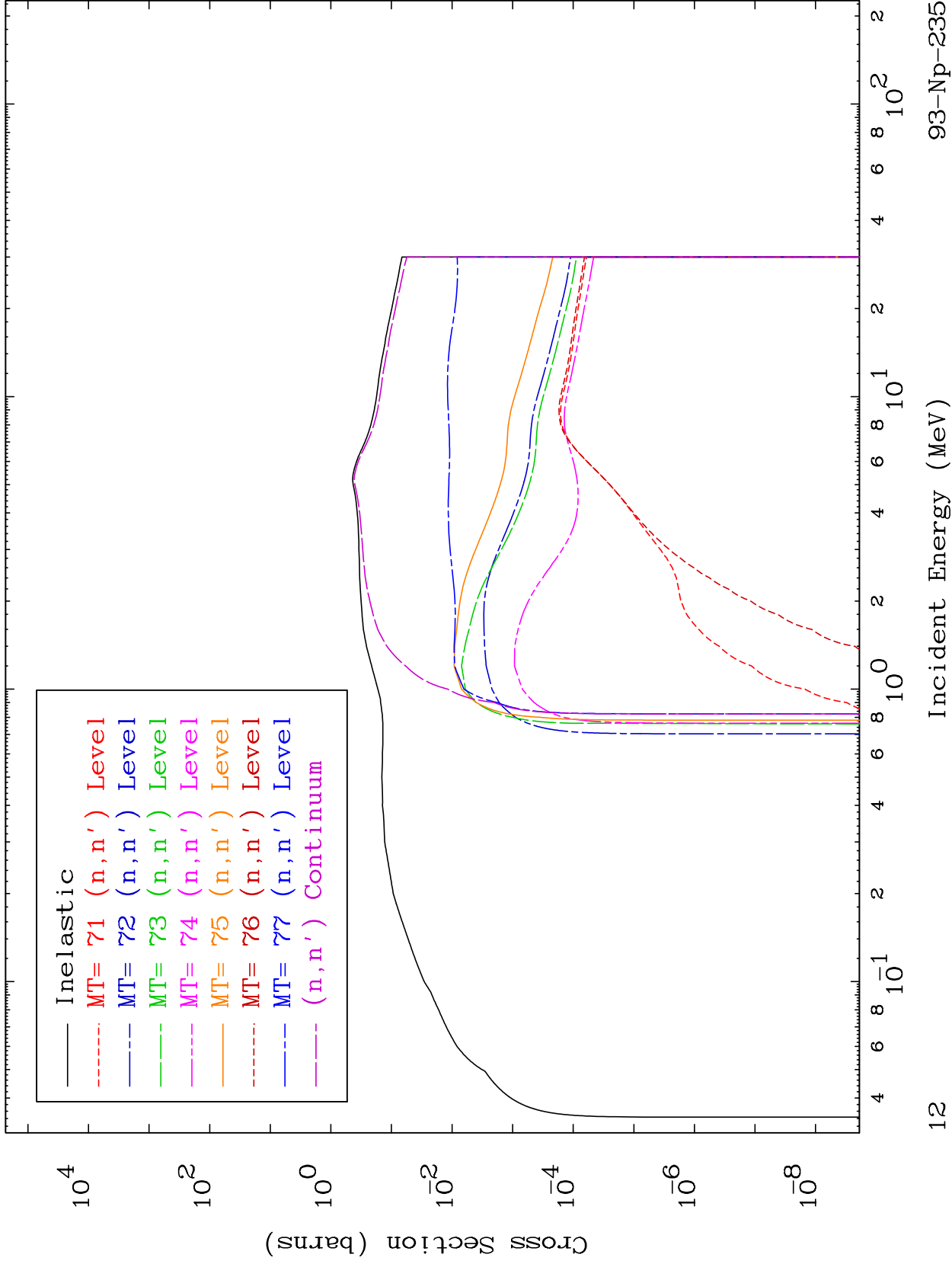
93-Np-235



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(n,n') Levels
293 Kelvin Cross Sections

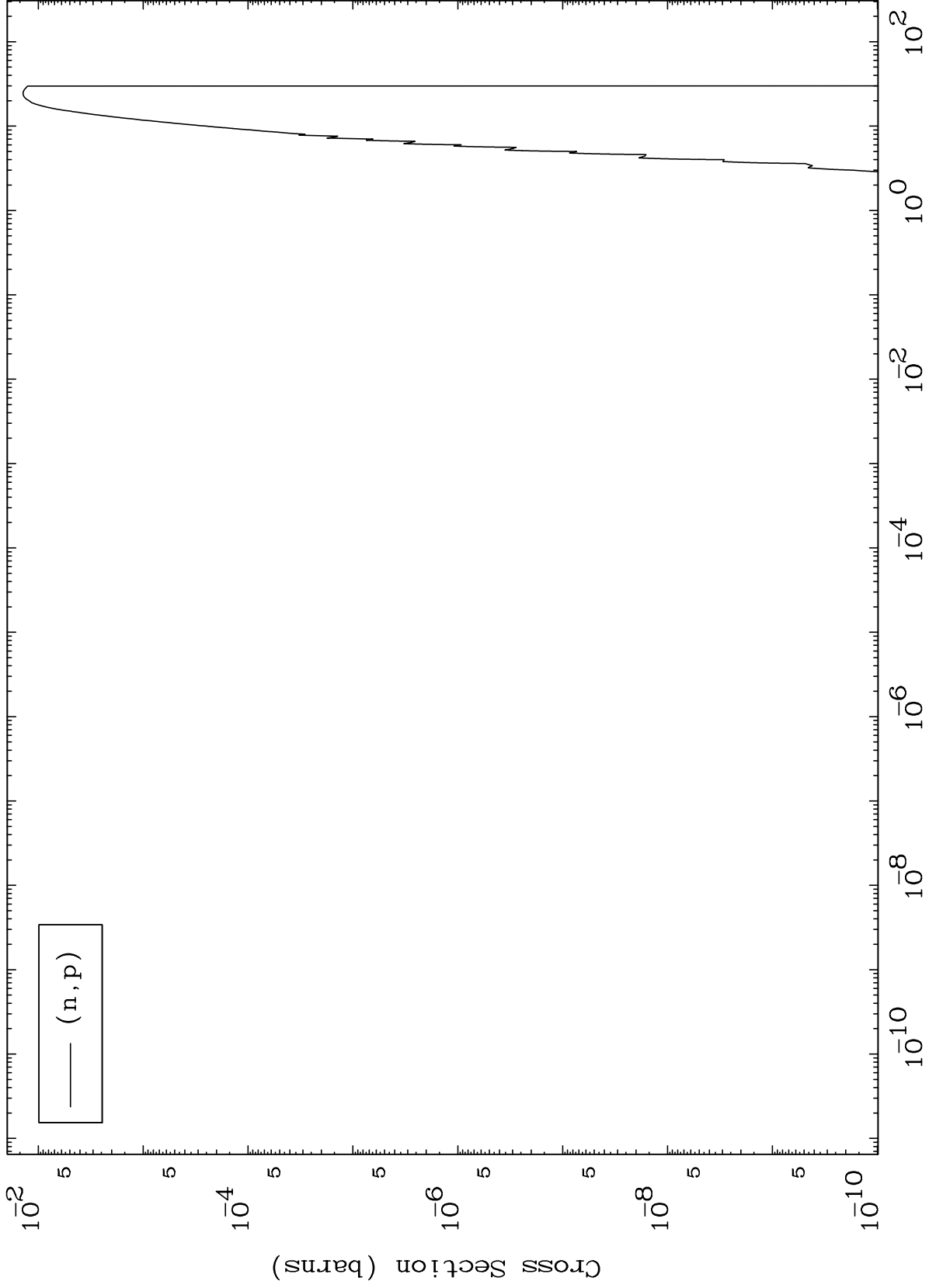
93-Np-235



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(n,p) Levels
293 Kelvin Cross Sections

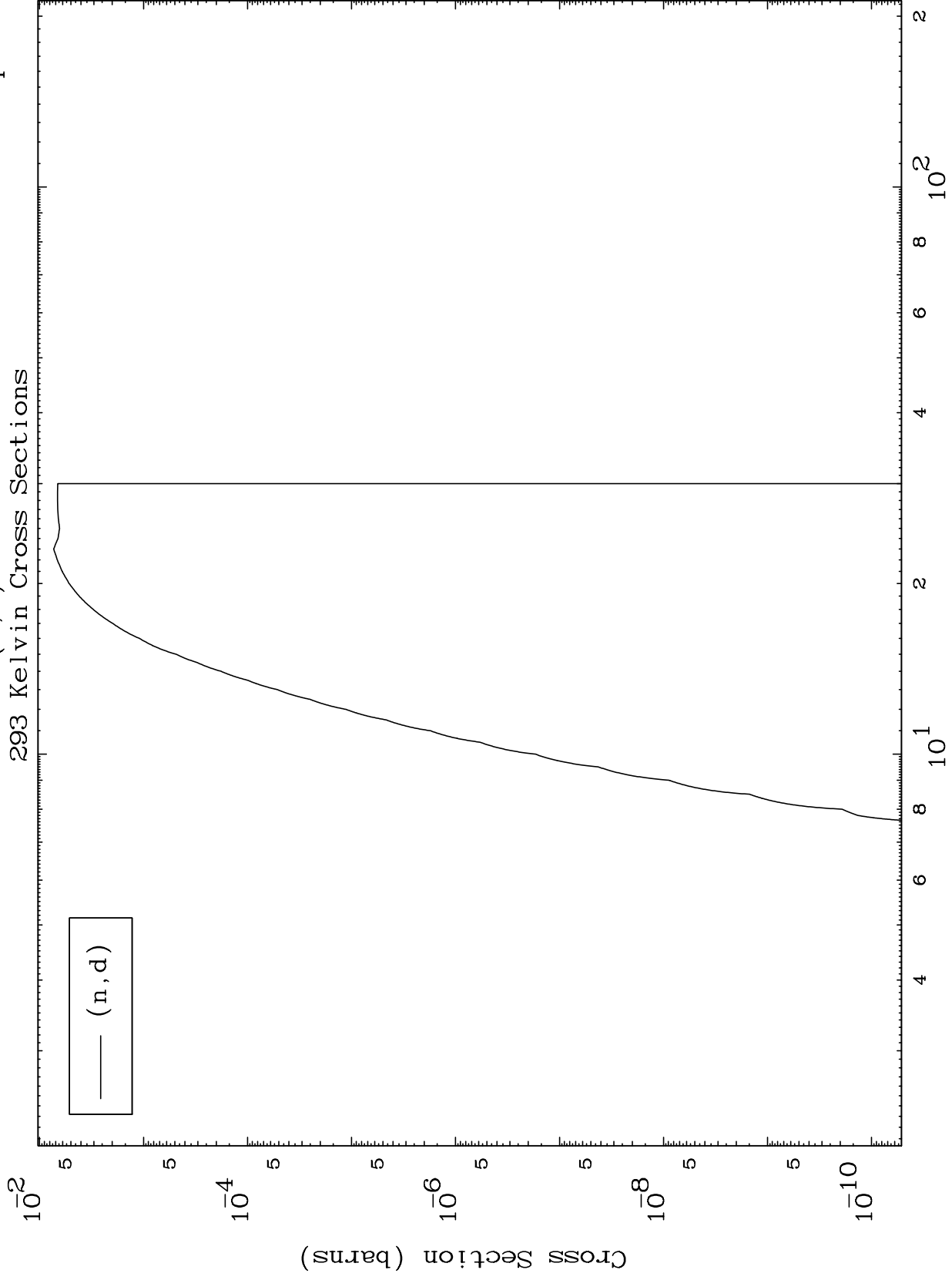
93-Np-235



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(n,d) Levels
293 Kelvin Cross Sections

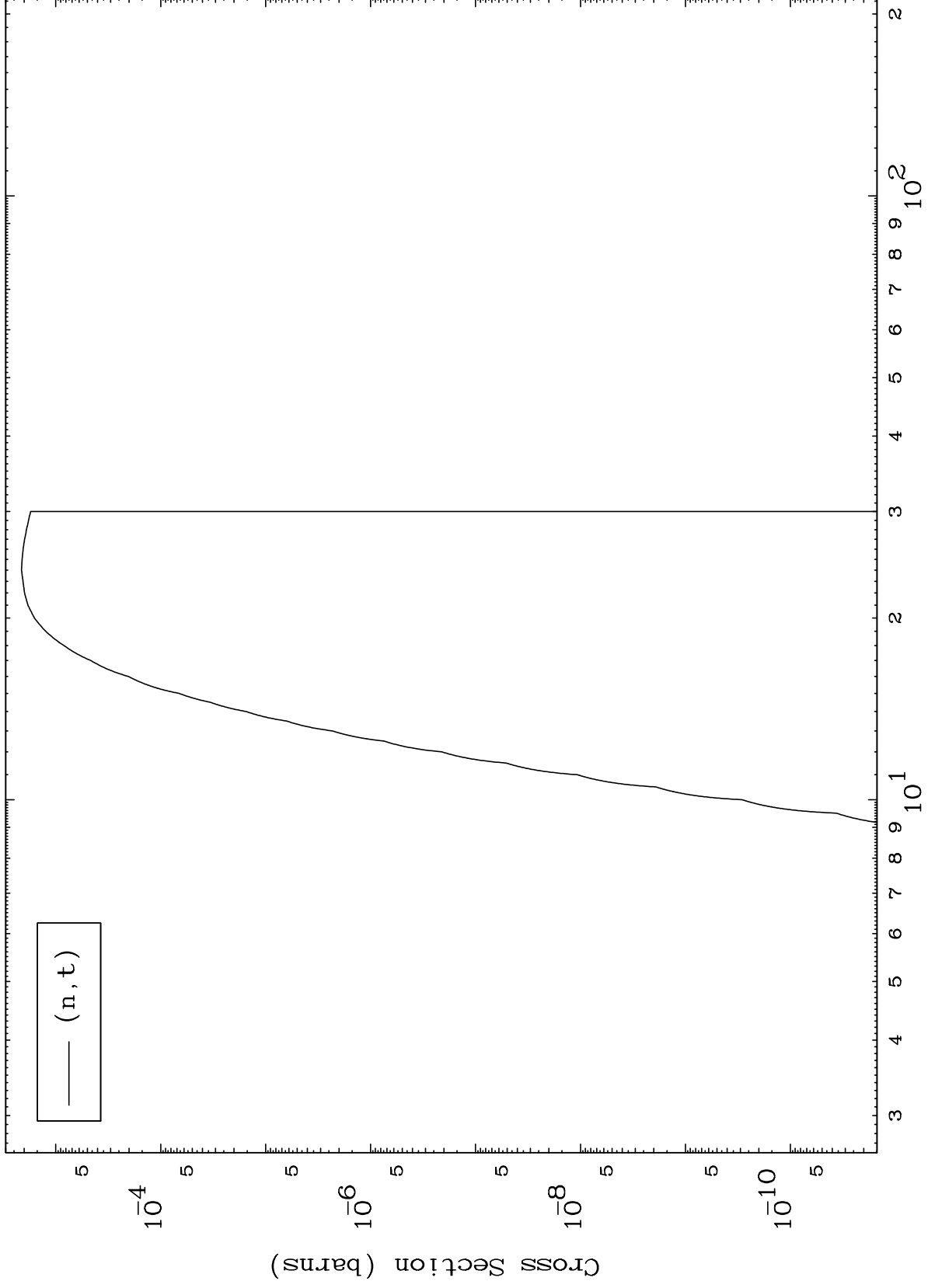
93-Np-235



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(n,t) Levels
293 Kelvin Cross Sections

93-Np-235



15

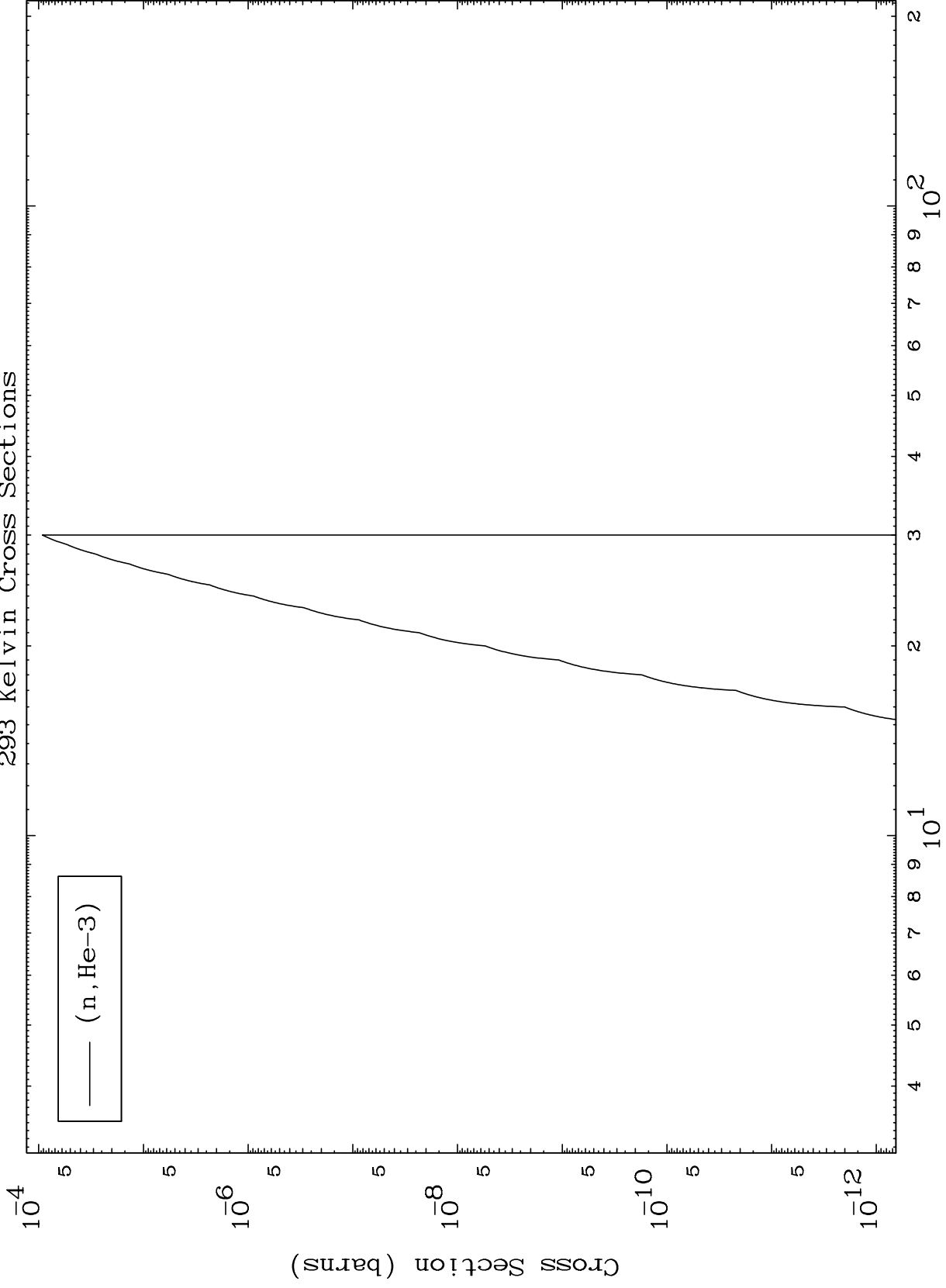
Incident Energy (MeV)

93-Np-235

MAT 9340

(n,He3) Levels
293 Kelvin Cross Sections

93-Np-235



16

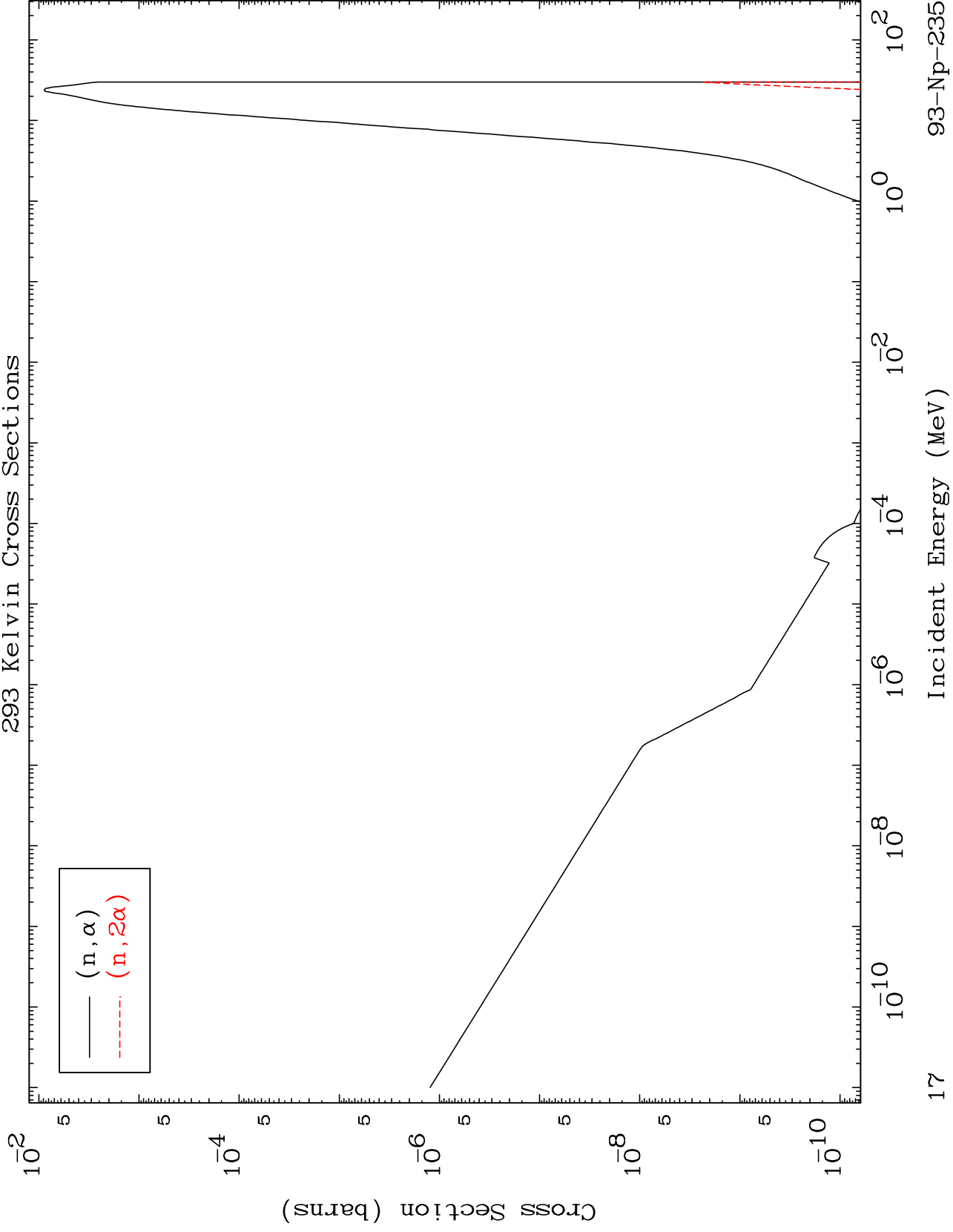
Incident Energy (MeV)

93-Np-235

MAT 9340

(n, α) Levels
293 Kelvin Cross Sections

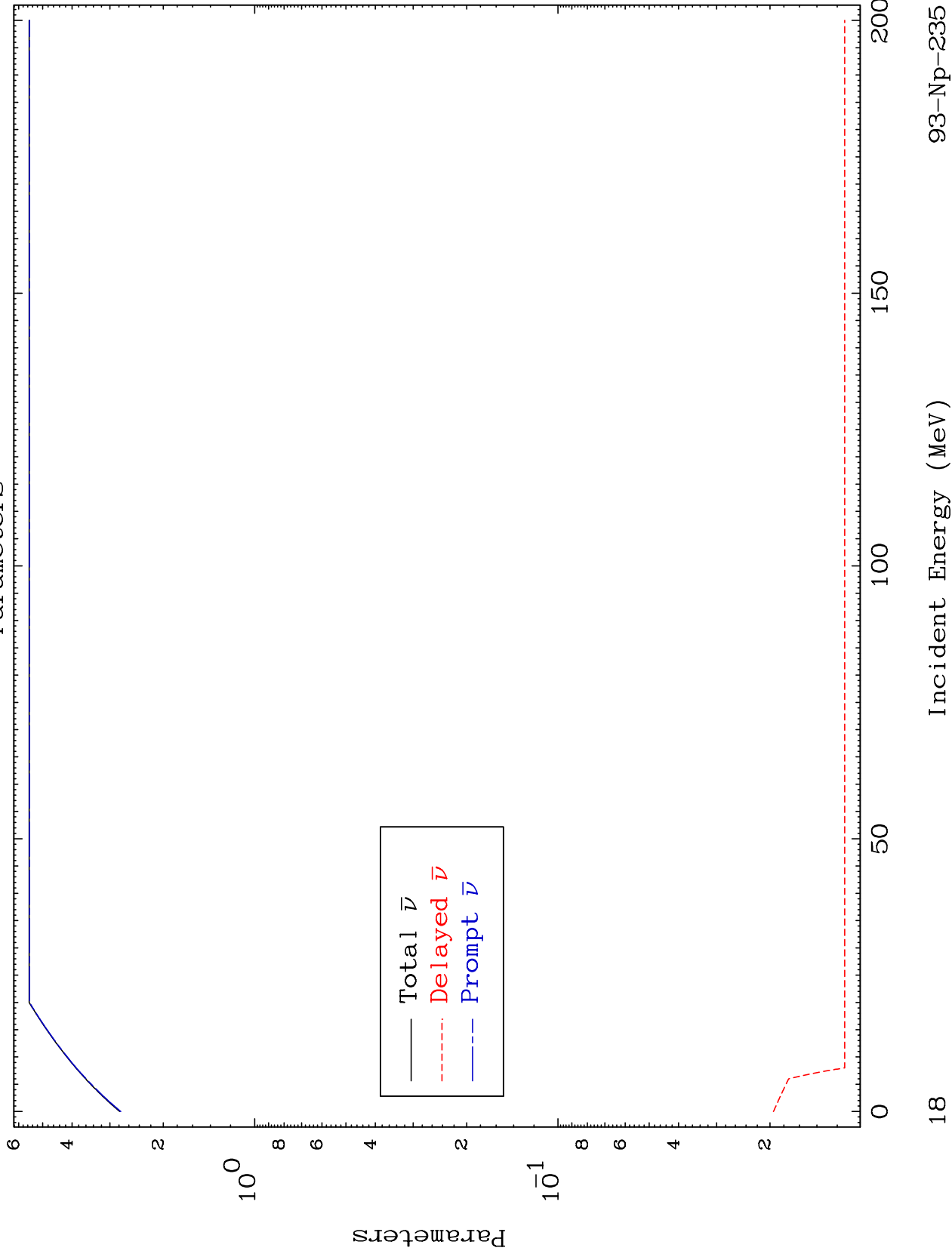
93-Np-235



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Energy Release
Parameters

93-Np-235



18

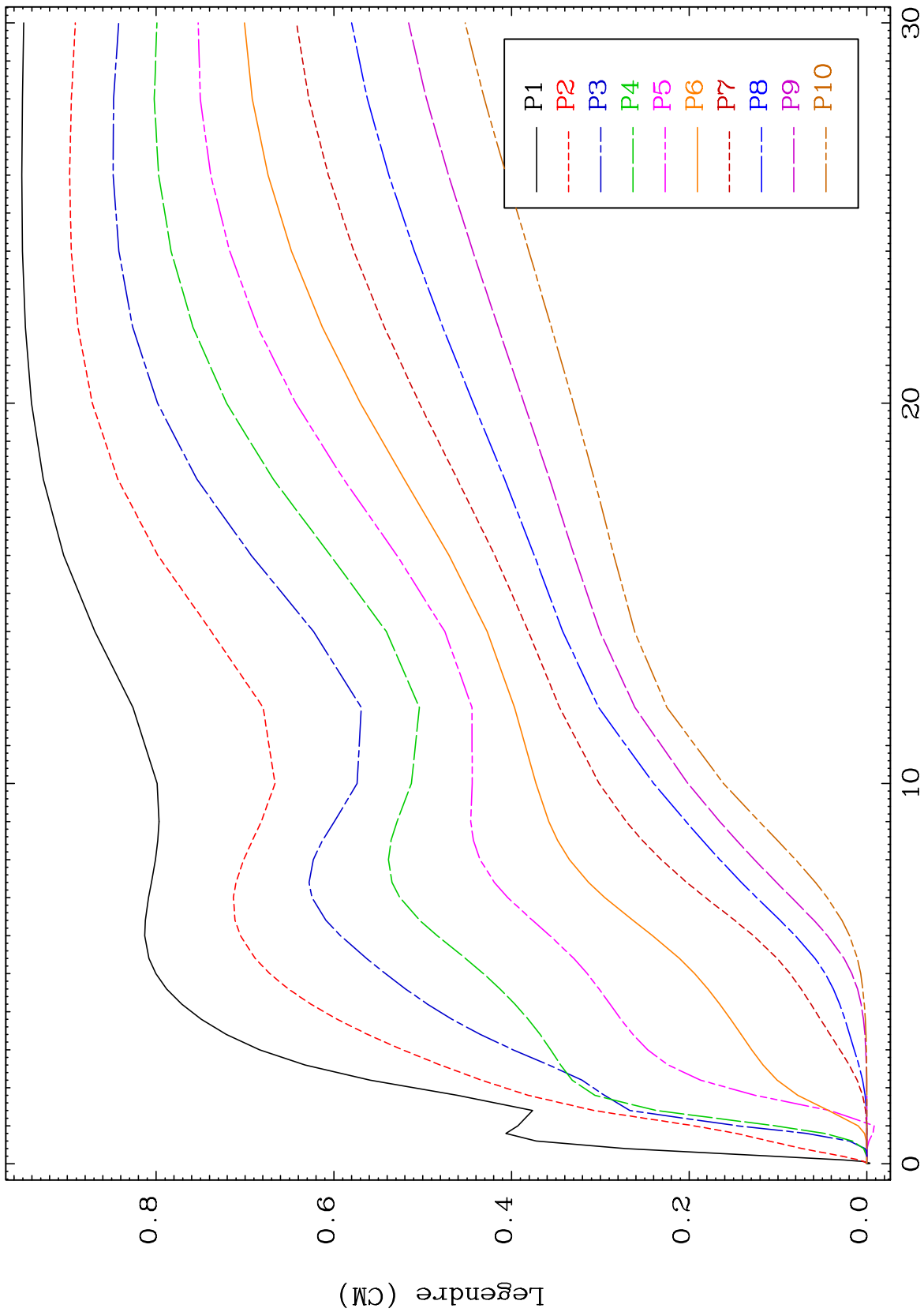
Incident Energy (MeV)

93-Np-235

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Elastic Legendre Coefficients

⁹³Np-235



19

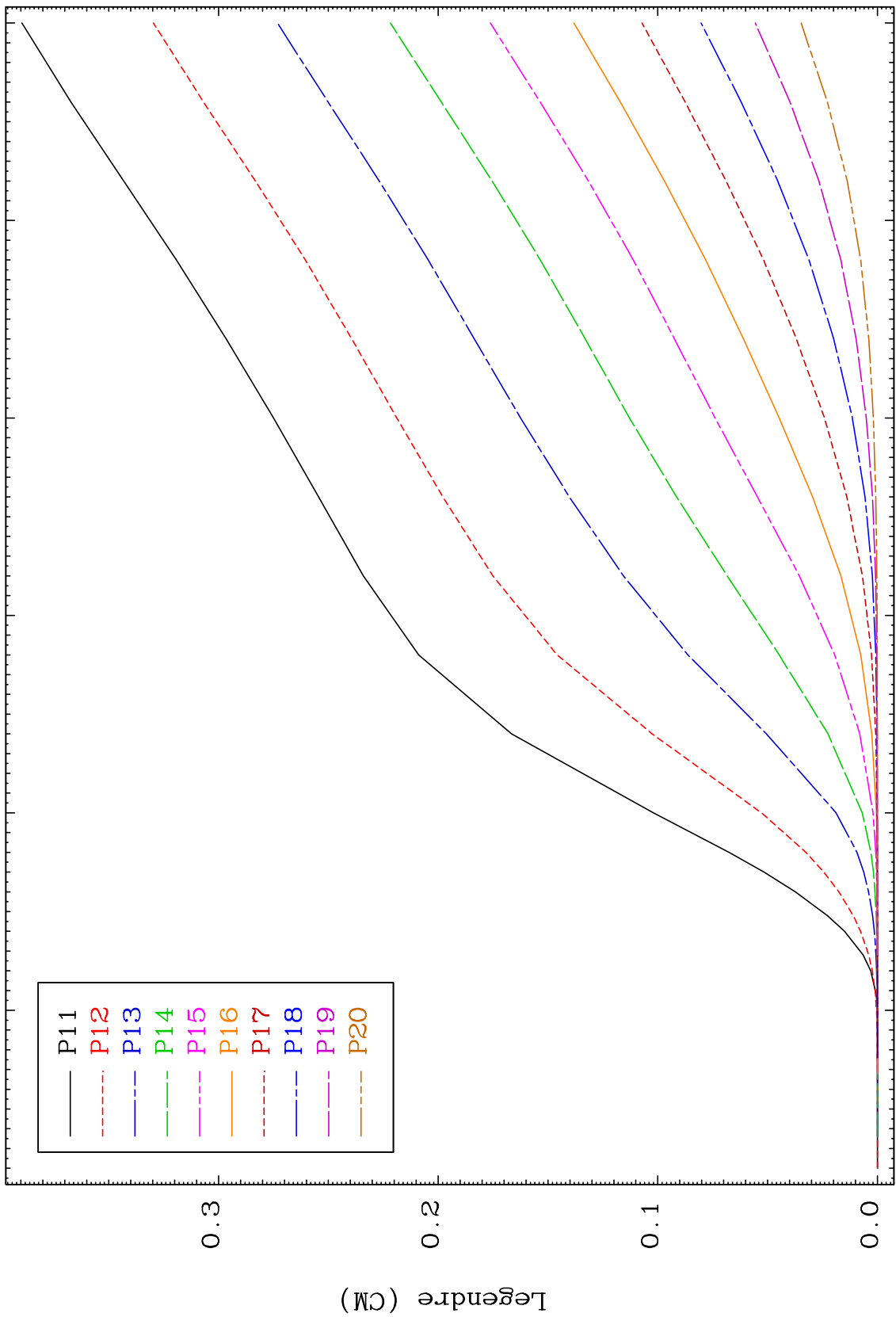
Incident Energy (MeV)

⁹³Np-235

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Elastic Legendre Coefficients

⁹³Np-235



20

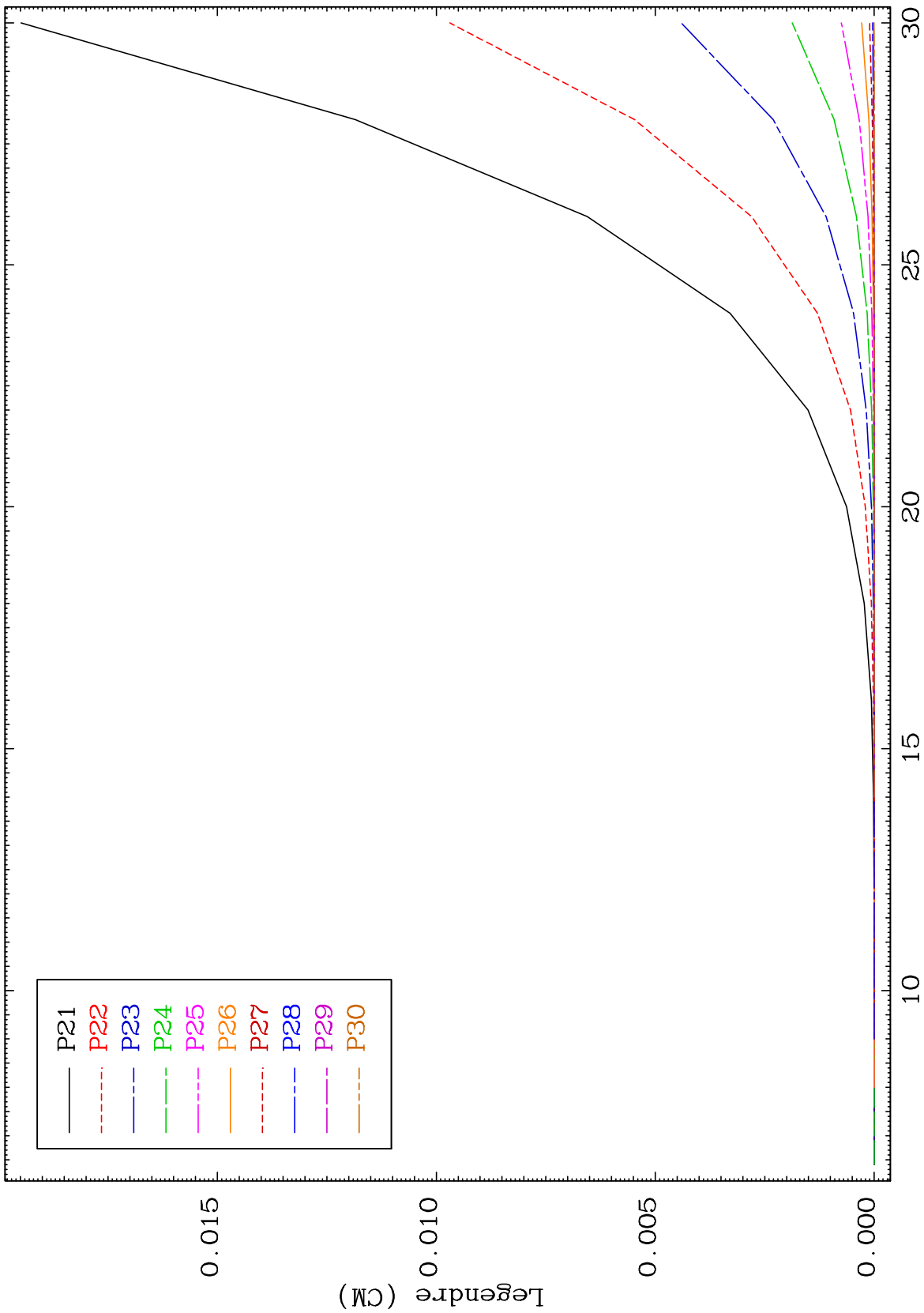
Incident Energy (MeV)

⁹³Np-235

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Elastic Legendre Coefficients

93-Np-235



21

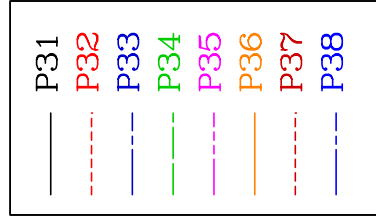
Incident Energy (MeV)

93-Np-235

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Elastic
Legendre Coefficients

93-Np-235



$\times 10^{-6}$
1.0

0.8

Legendre (CM)

0.6

0.4

0.2

0.0

16

18

20

22

24

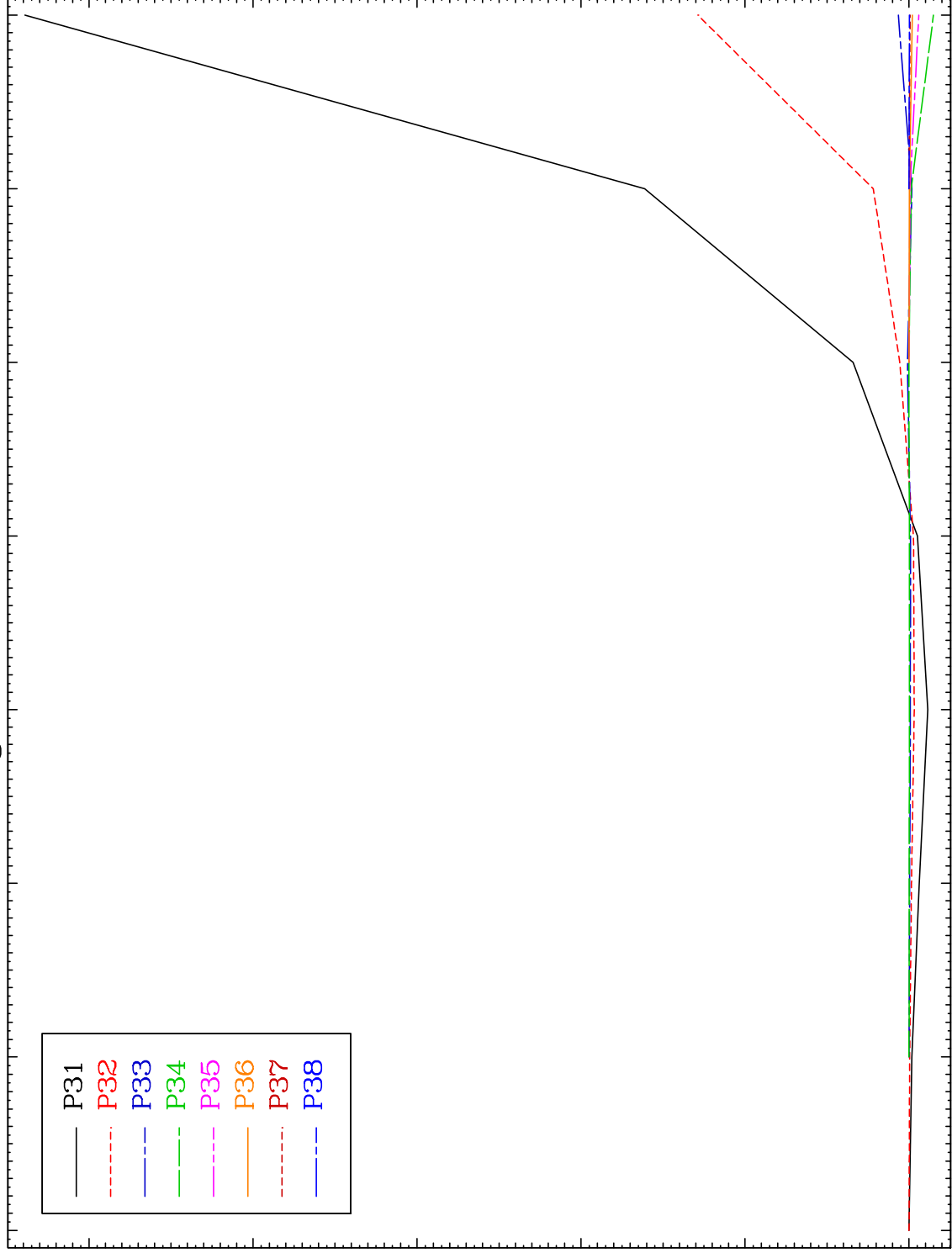
26

28

30

Incident Energy (MeV)

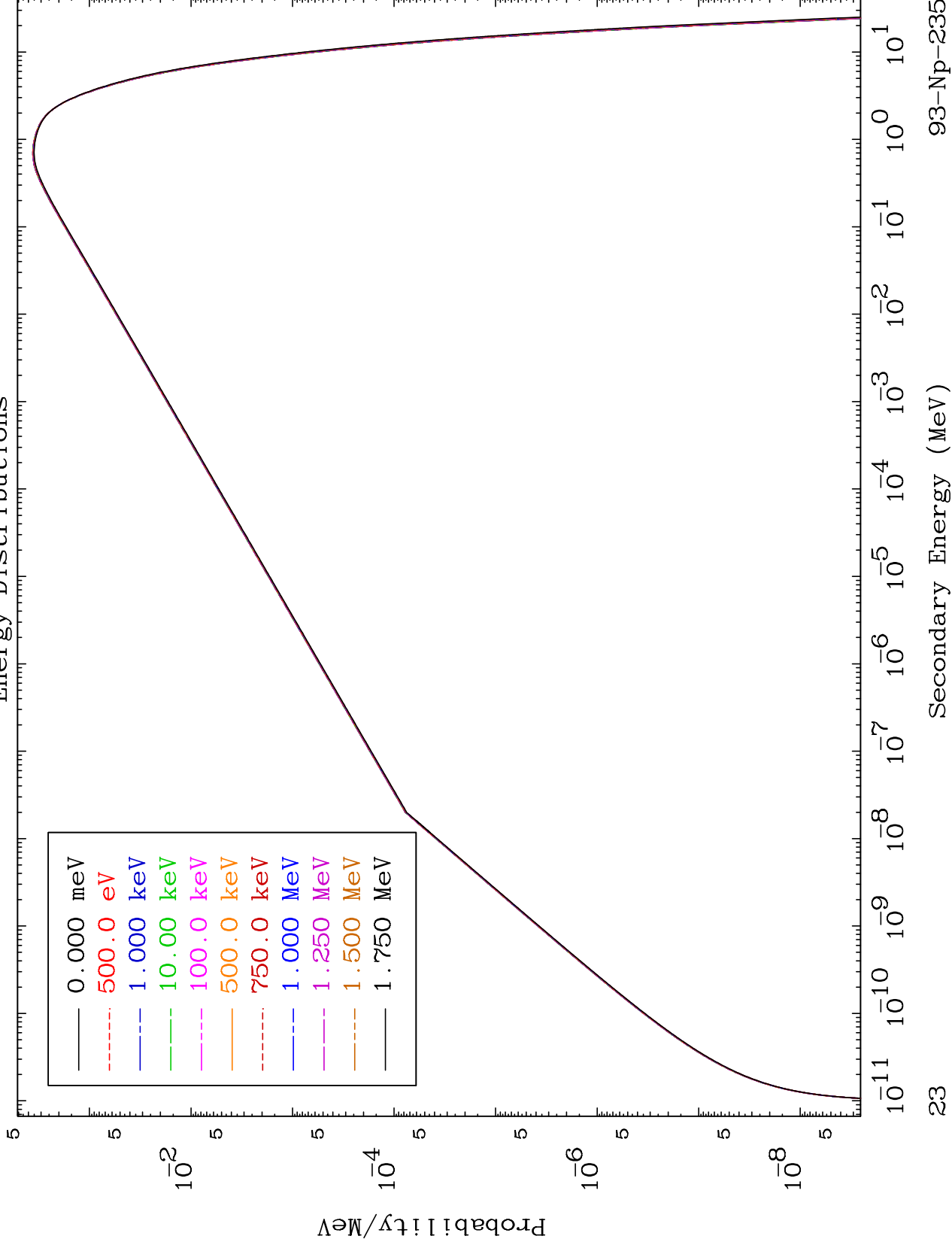
93-Np-235



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Fission Energy Distributions

⁹³Np-235

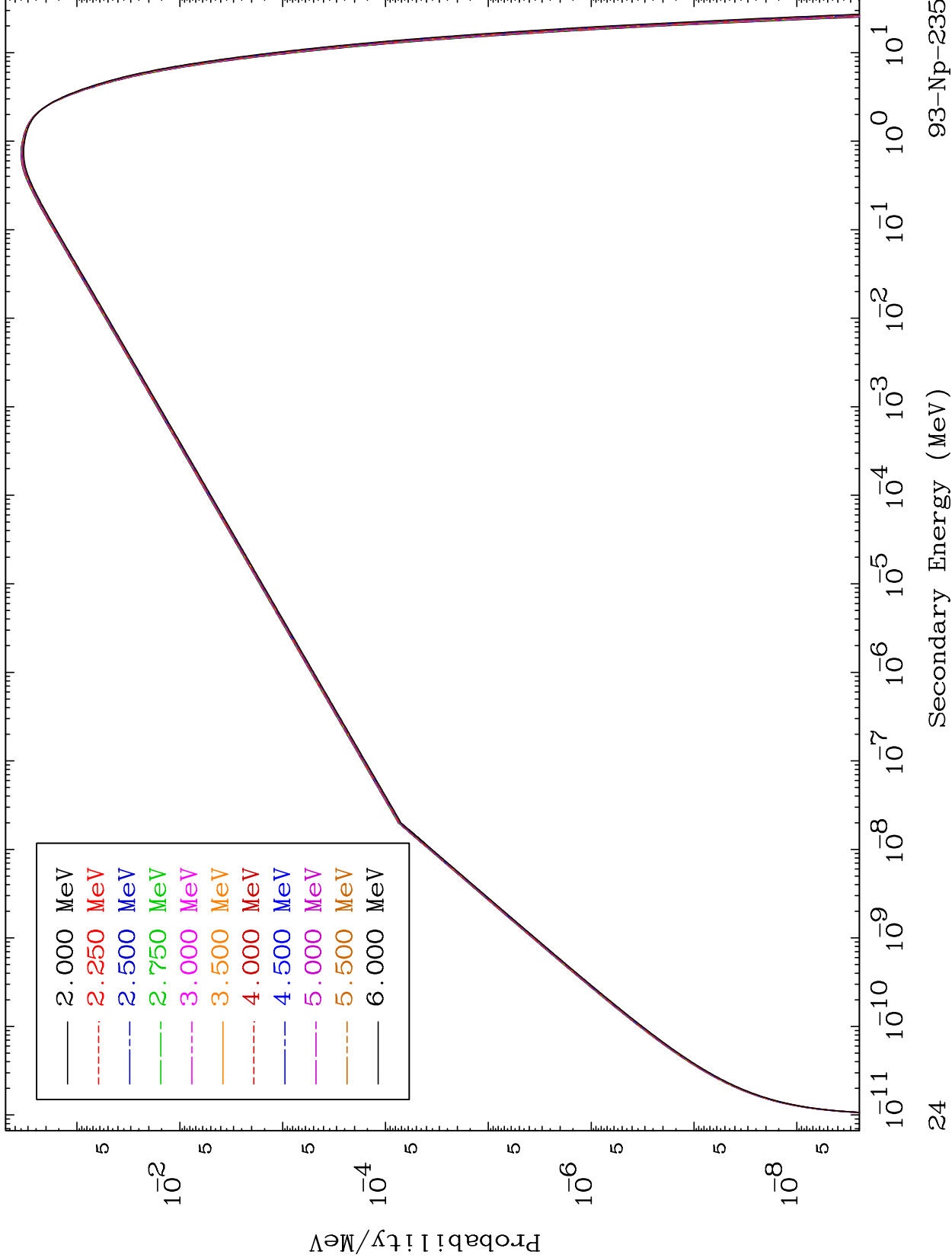


23

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Fission Energy Distributions

93-Np-235



93-Np-235

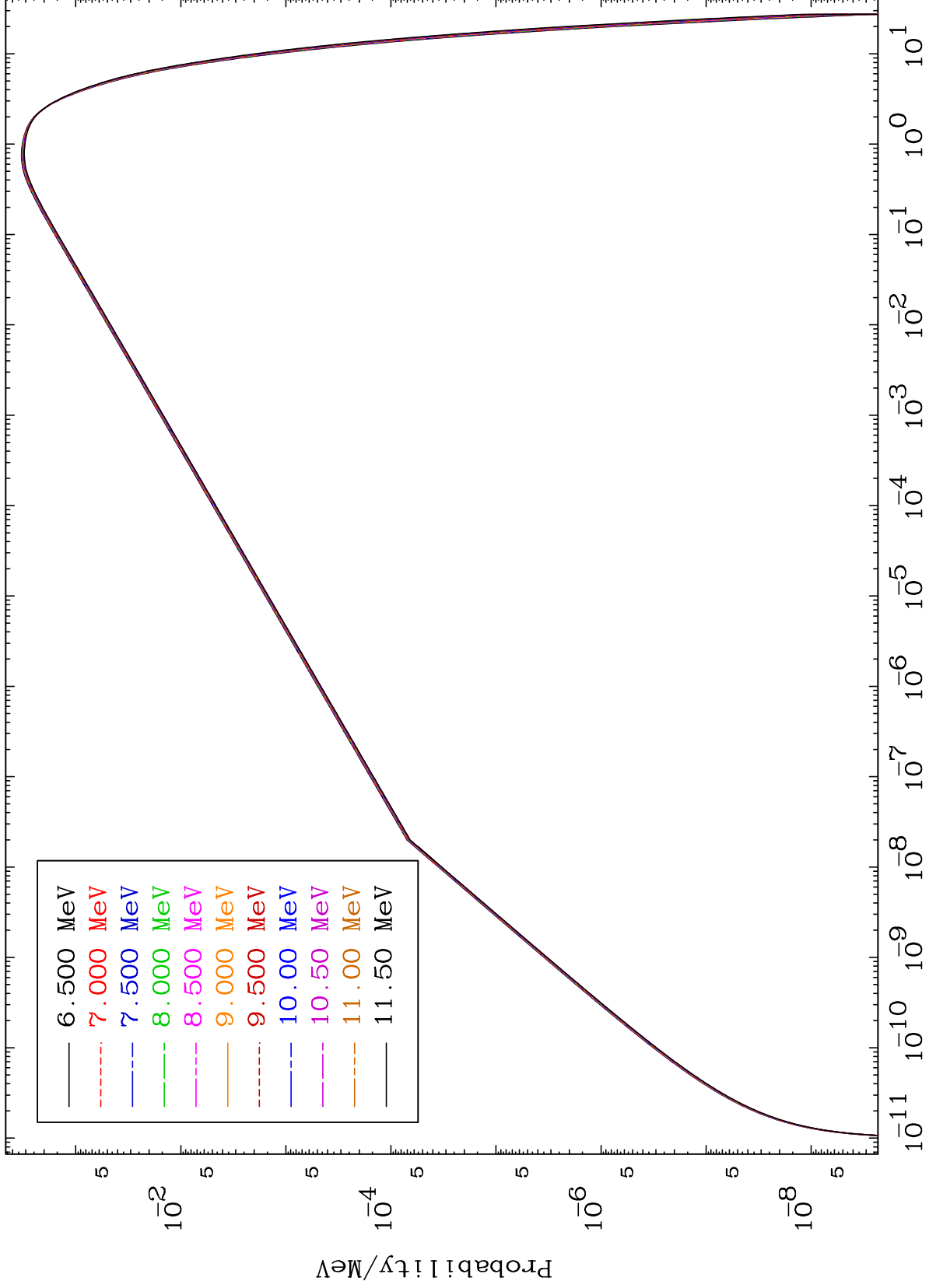
Secondary Energy (MeV)

24

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Fission Energy Distributions

93-Np-235



25

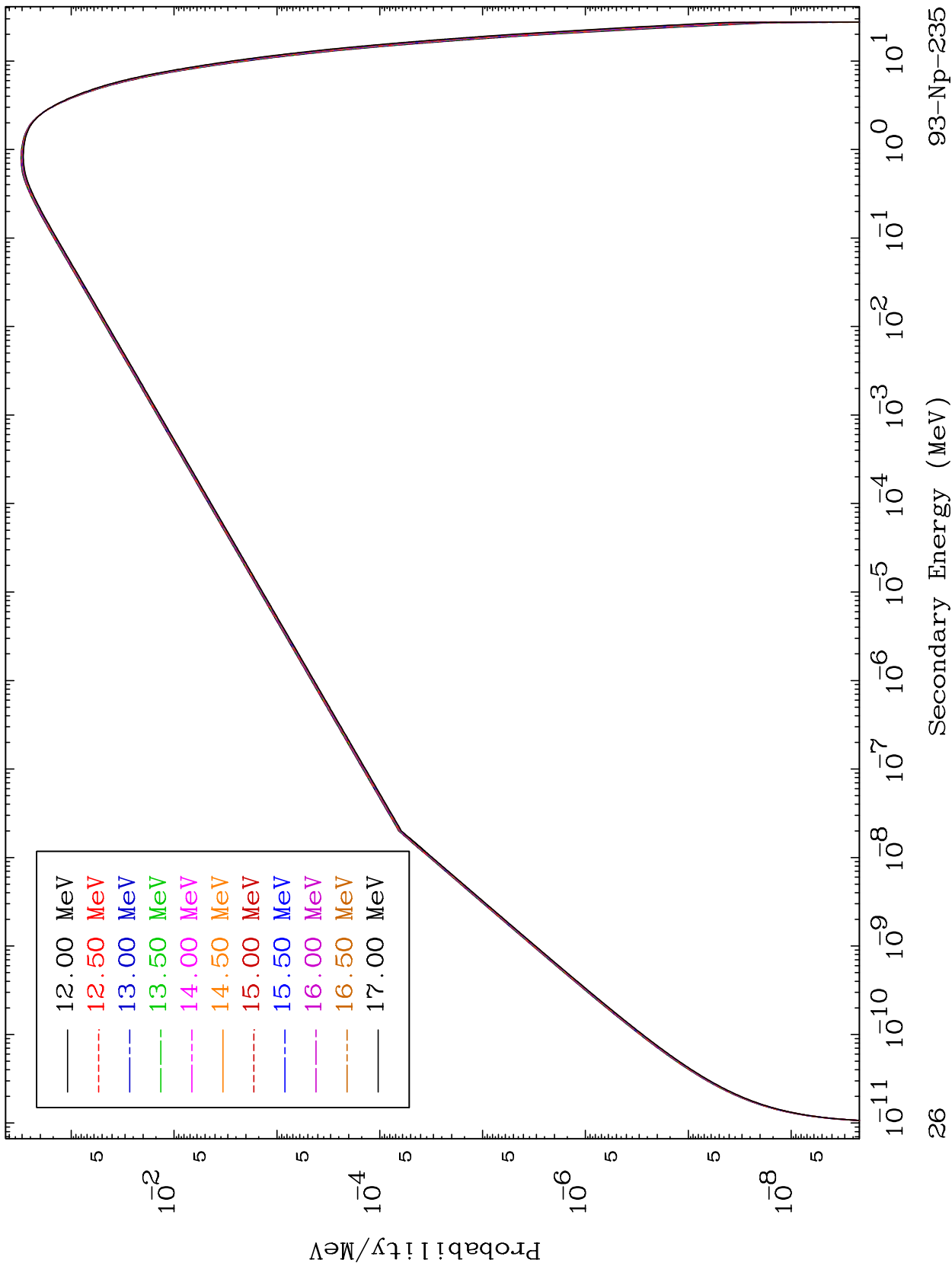
Secondary Energy (MeV)

93-Np-235

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Fission Energy Distributions

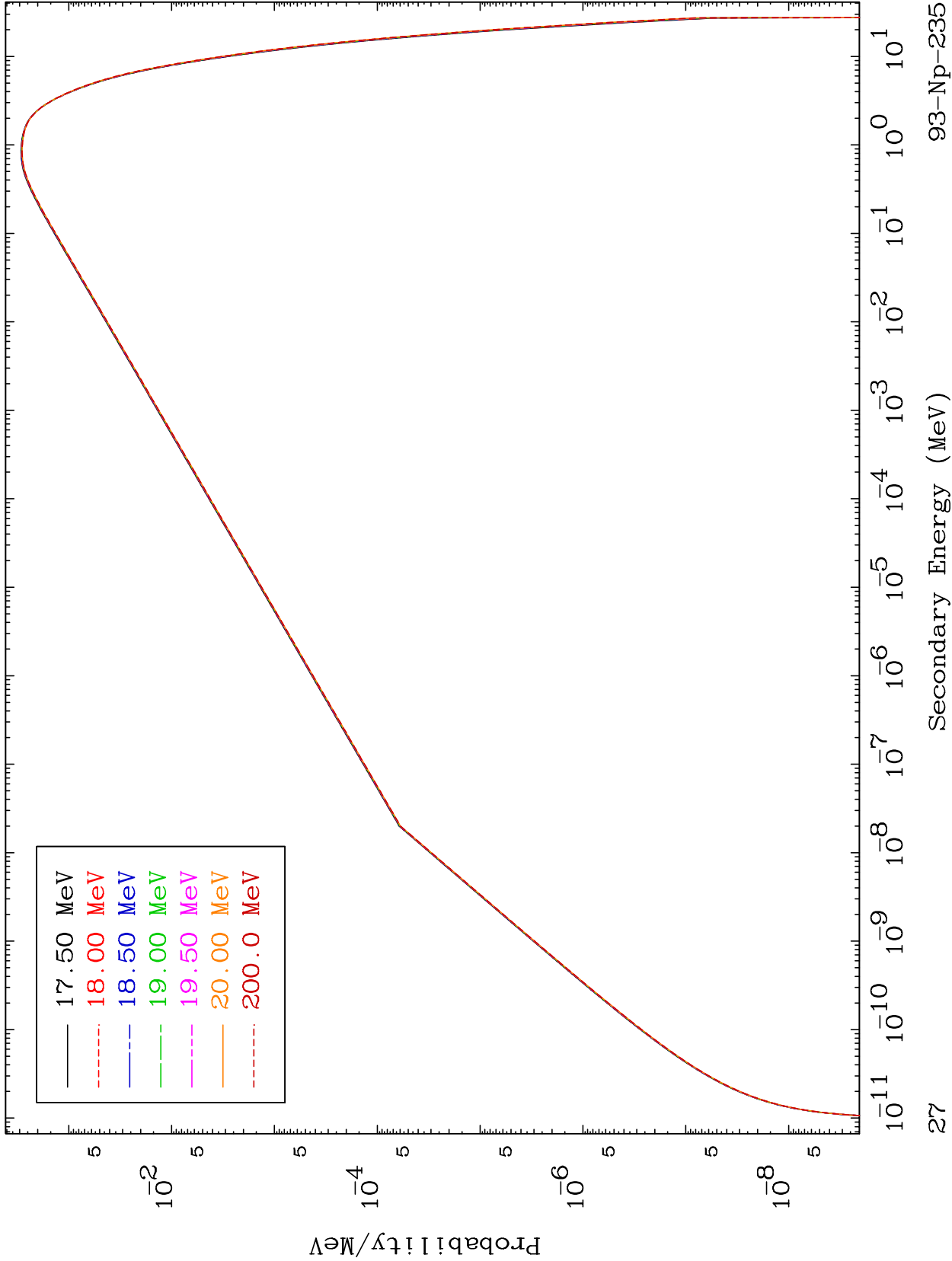
93-Np-235



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Fission Energy Distributions

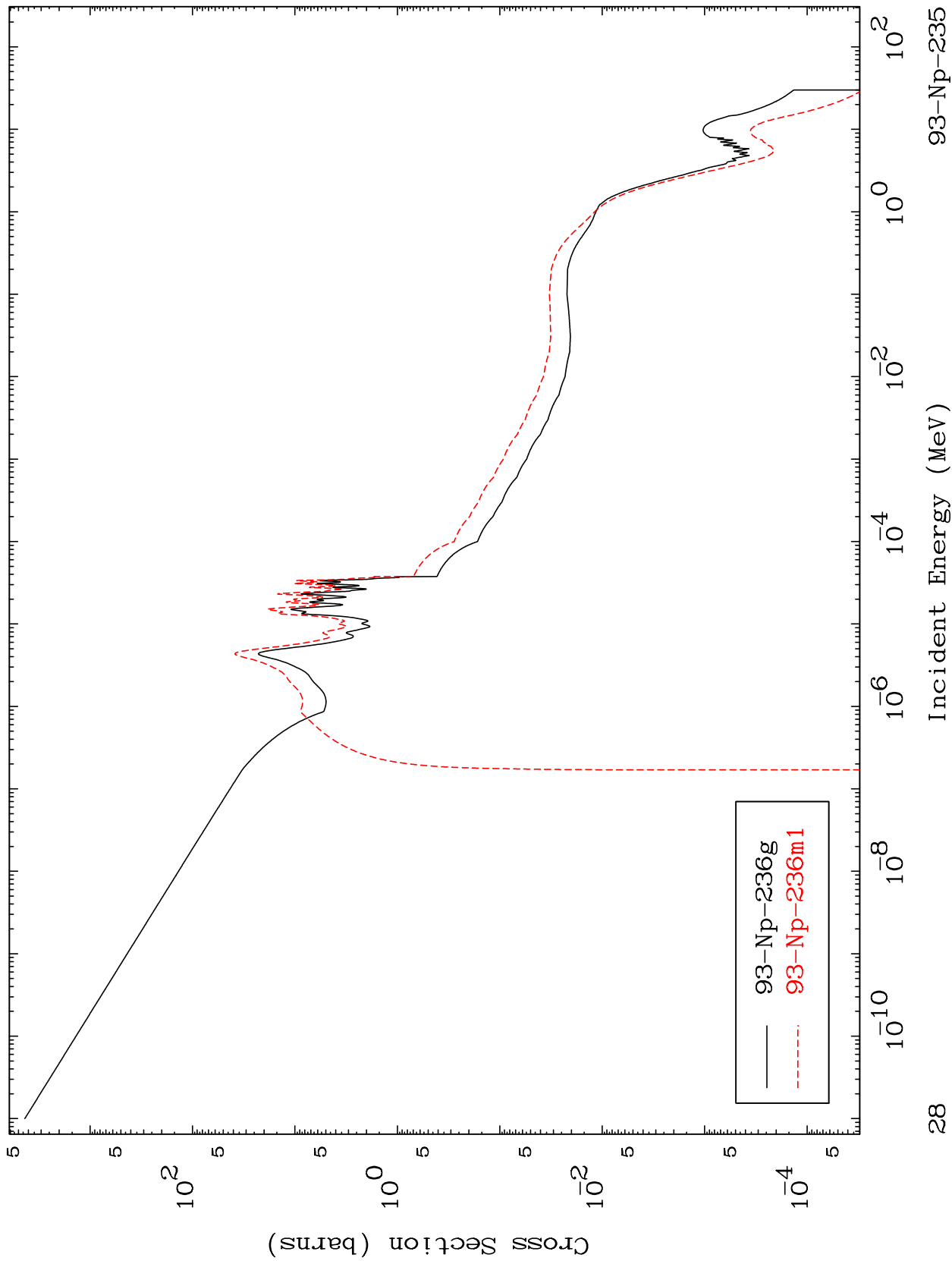
93-Np-235



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93-Np-235

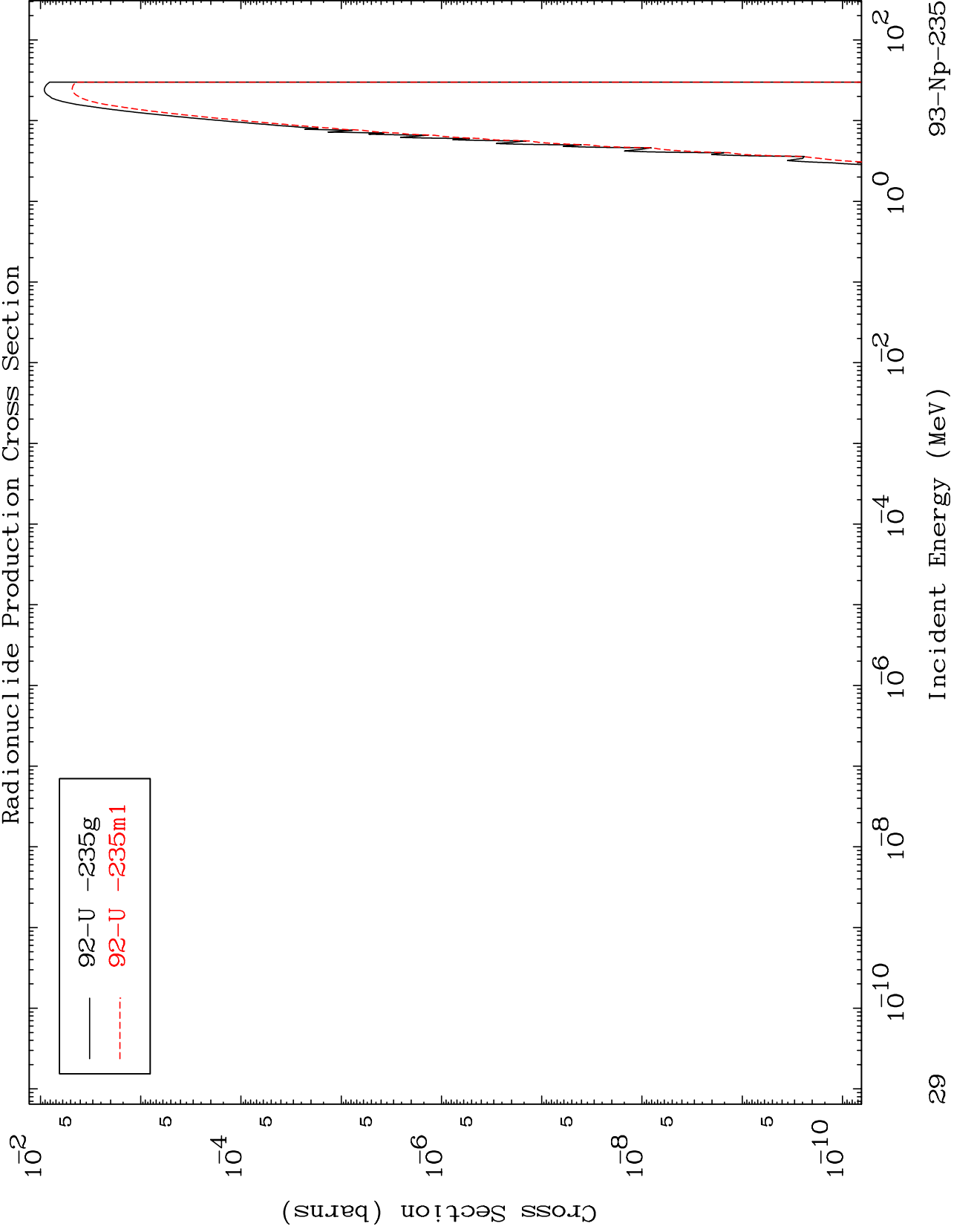
(n, γ)
Radionuclide Production Cross Section



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(n,p)
Radionuclide Production Cross Section

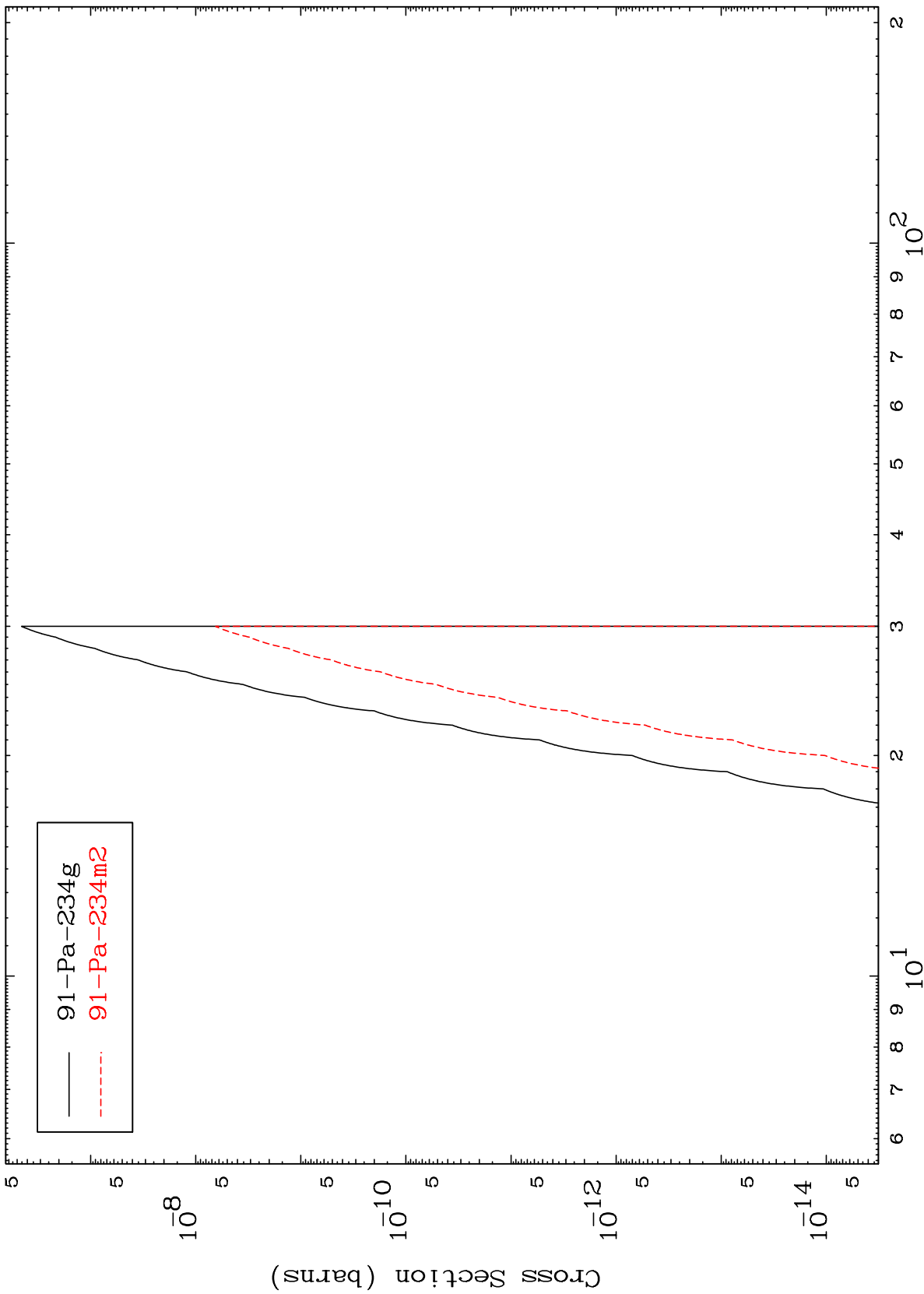
93-Np-235



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93-Np-235

Radionuclide Production Cross Section (n,2p)



30

Incident Energy (MeV)

93-Np-235