

Program EVALPLOT
(Version 2017-1)

by

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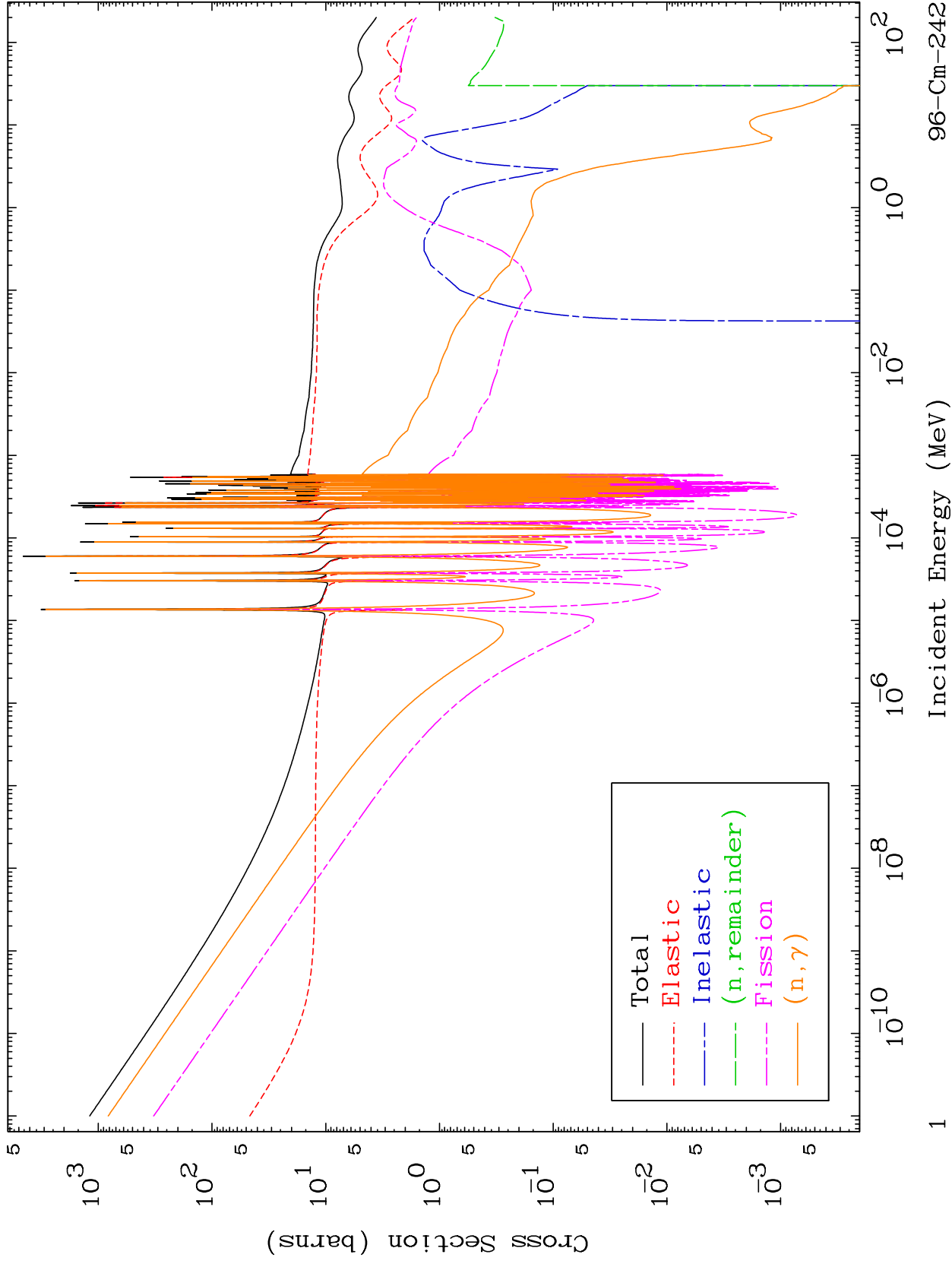
Press Mouse Button to Start

MAT 9631

Major

293 Kelvin Cross Sections

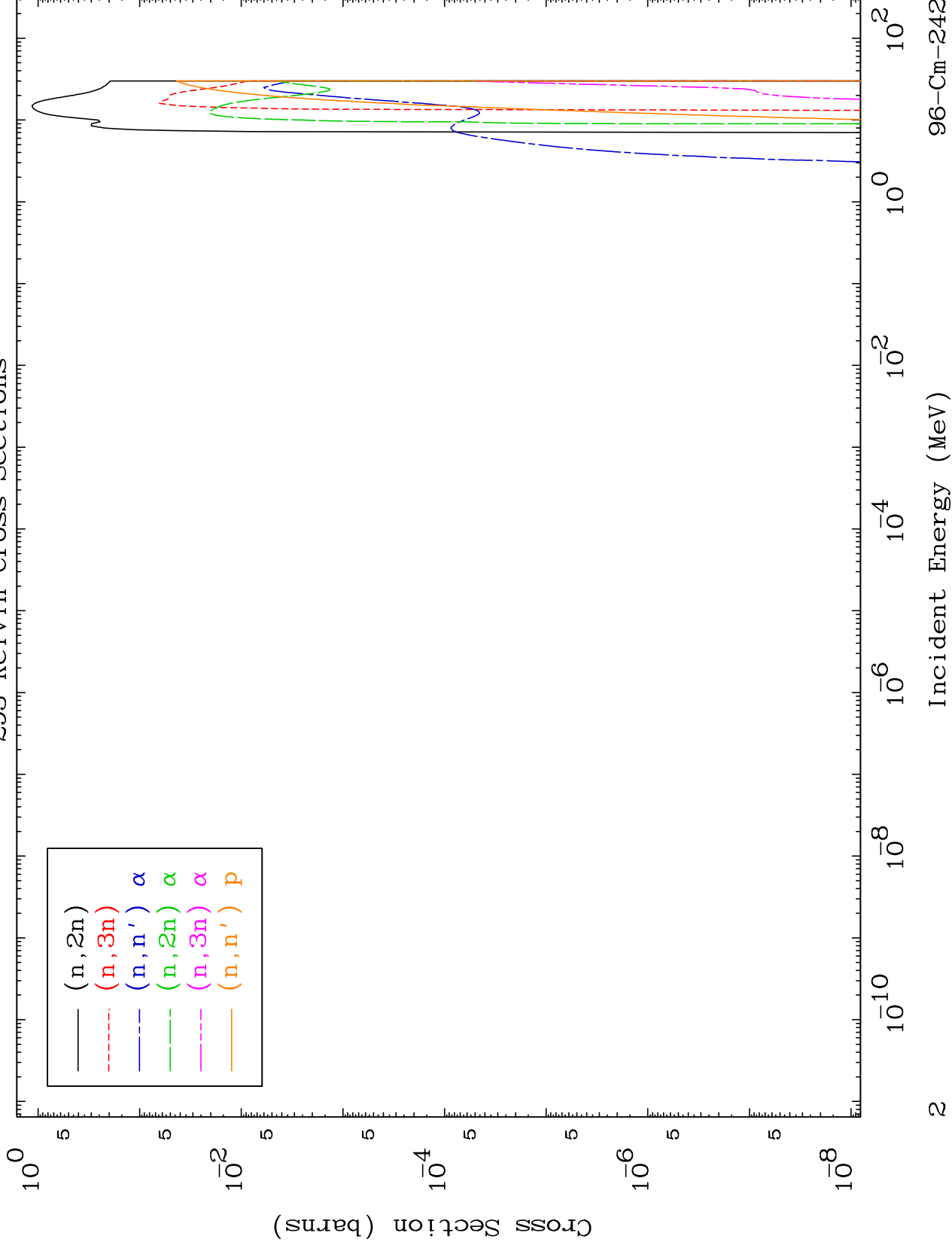
96-Cm-242



MAT 9631

Neutron Production
293 Kelvin Cross Sections

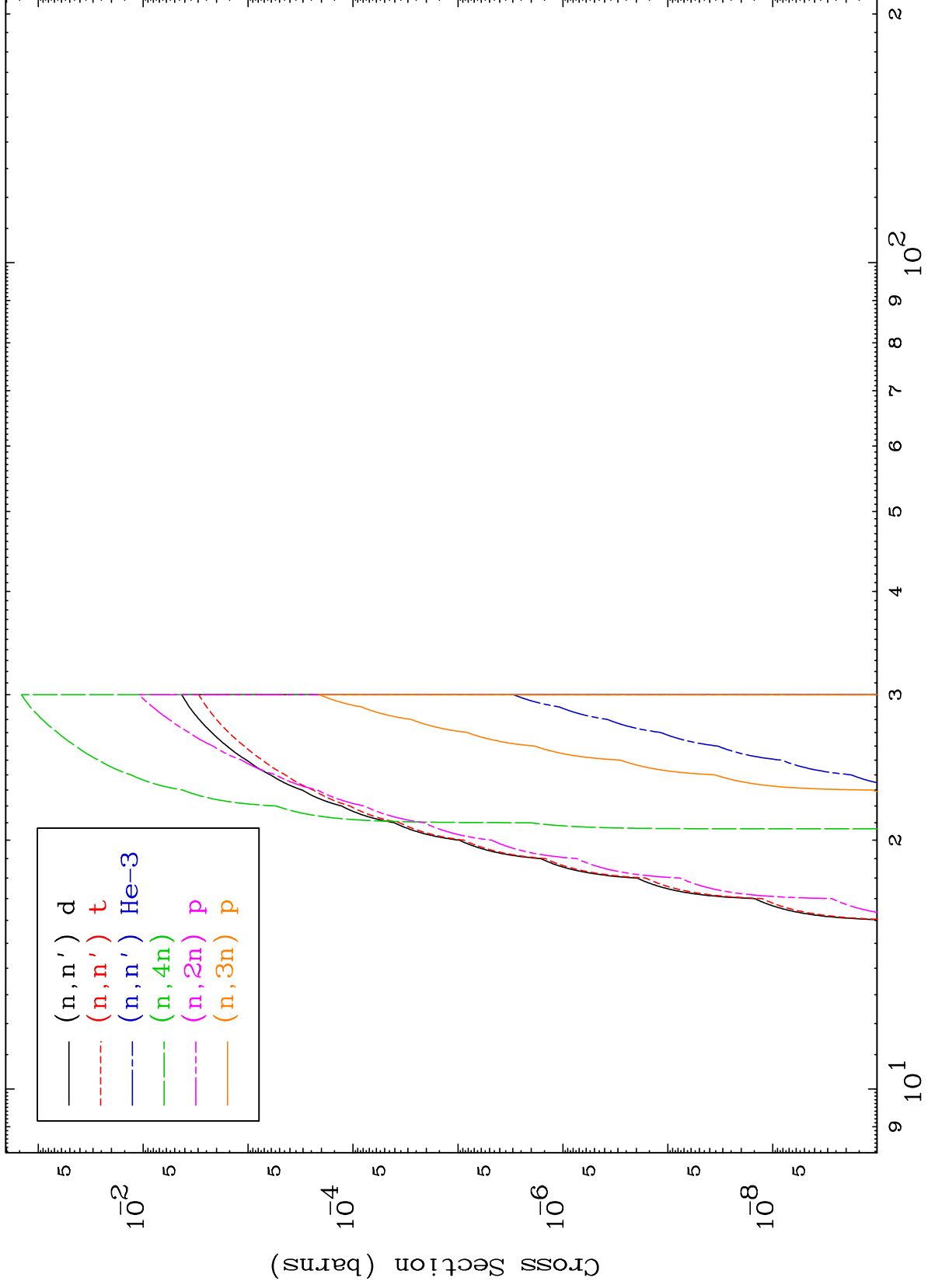
96-Cm-242



MAT 9631

Neutron Production
293 Kelvin Cross Sections

96-Cm-242



Incident Energy (MeV)

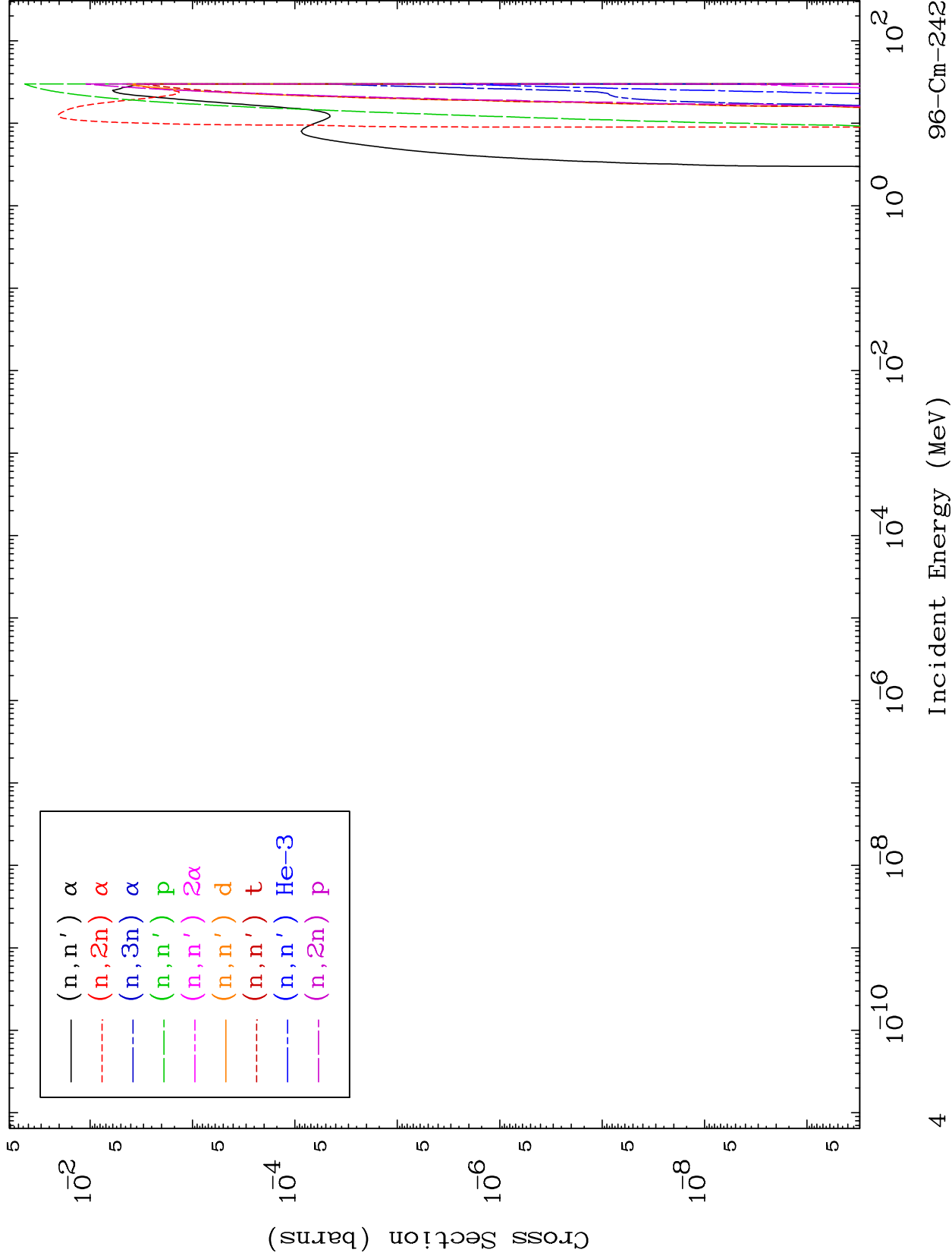
96-Cm-242

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Charged Particle
293 Kelvin Cross Sections

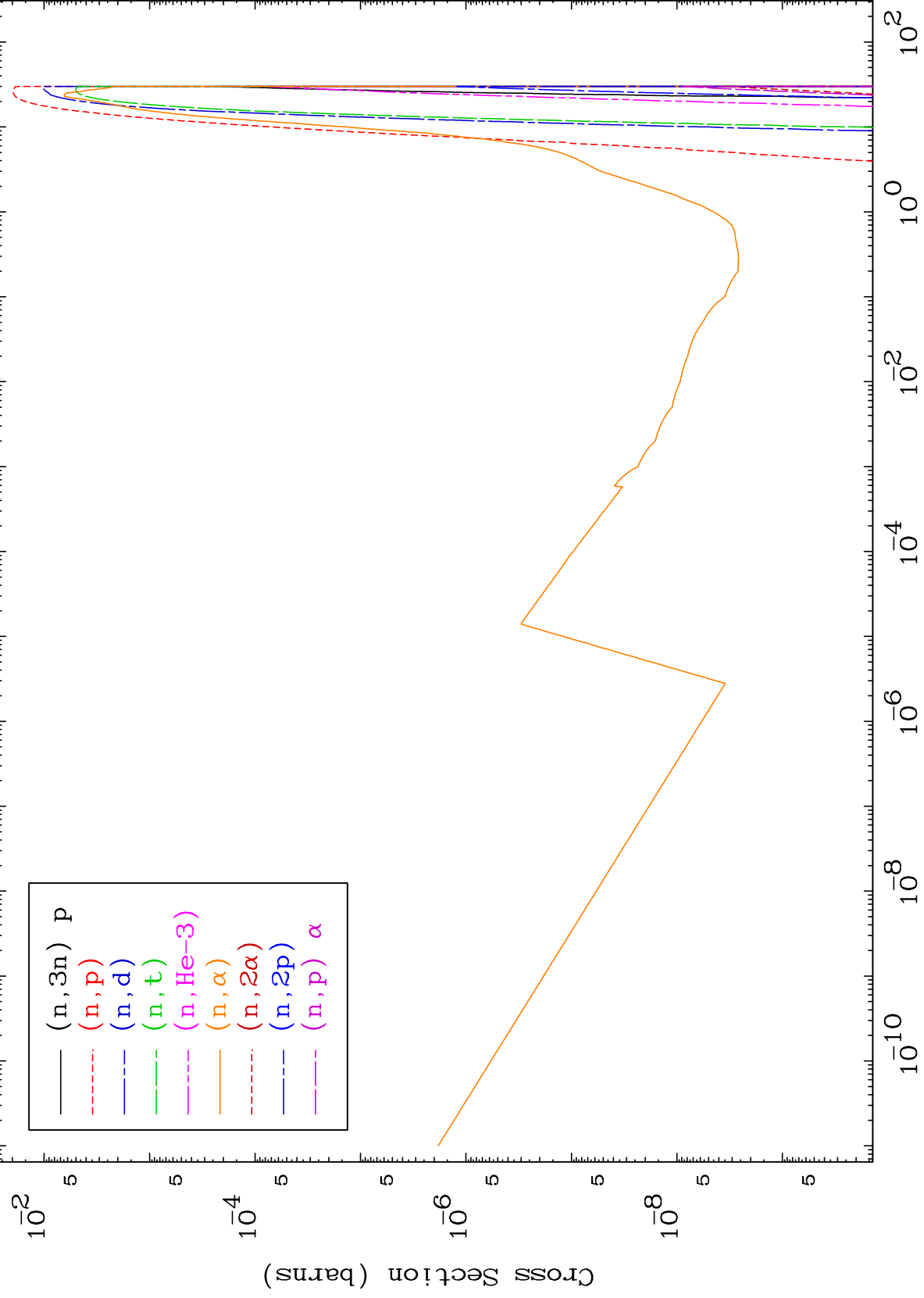
96-Cm-242



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Charged Particle
293 Kelvin Cross Sections

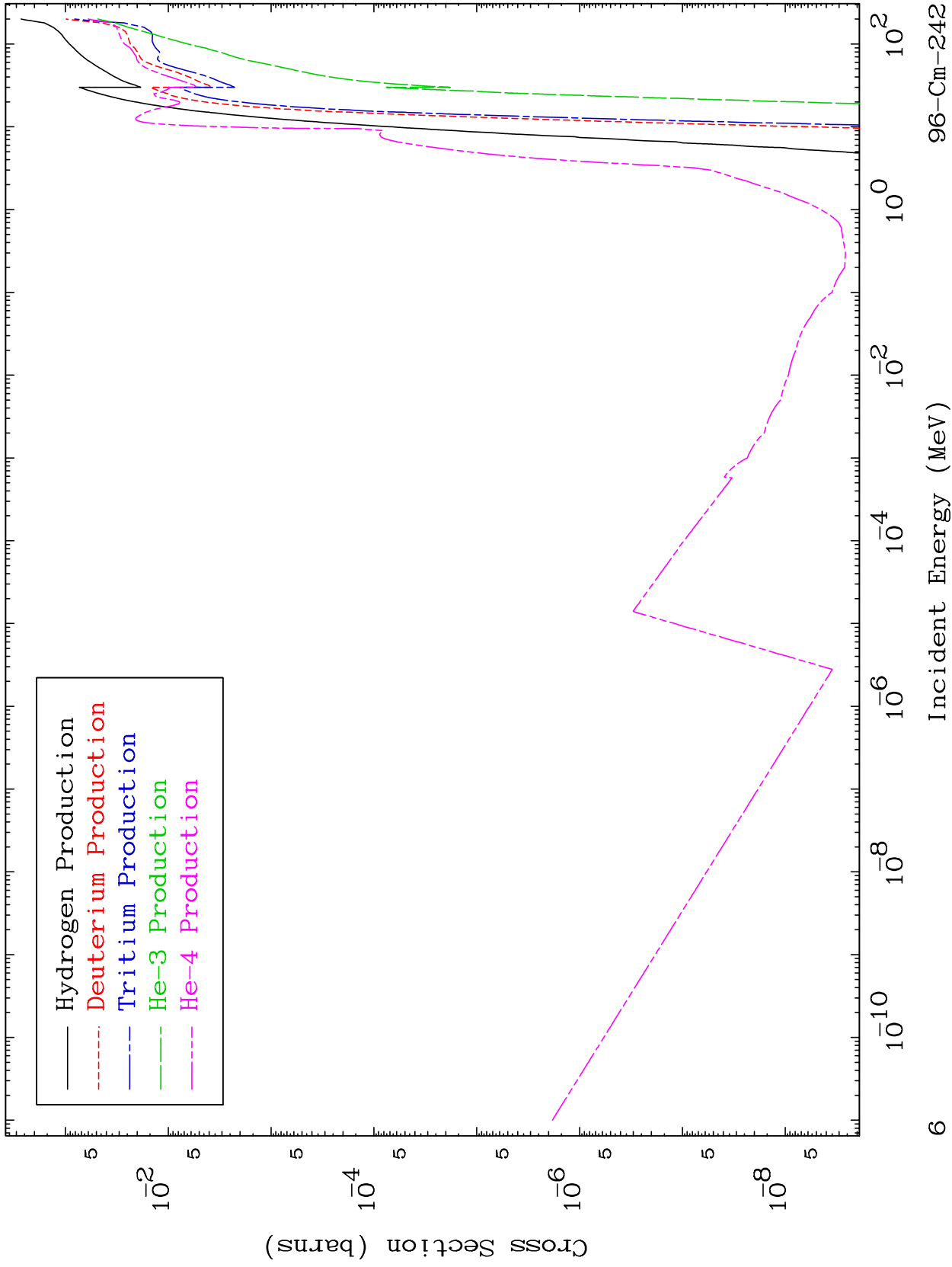
96-Cm-242



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Particle Production
293 Kelvin Cross Sections

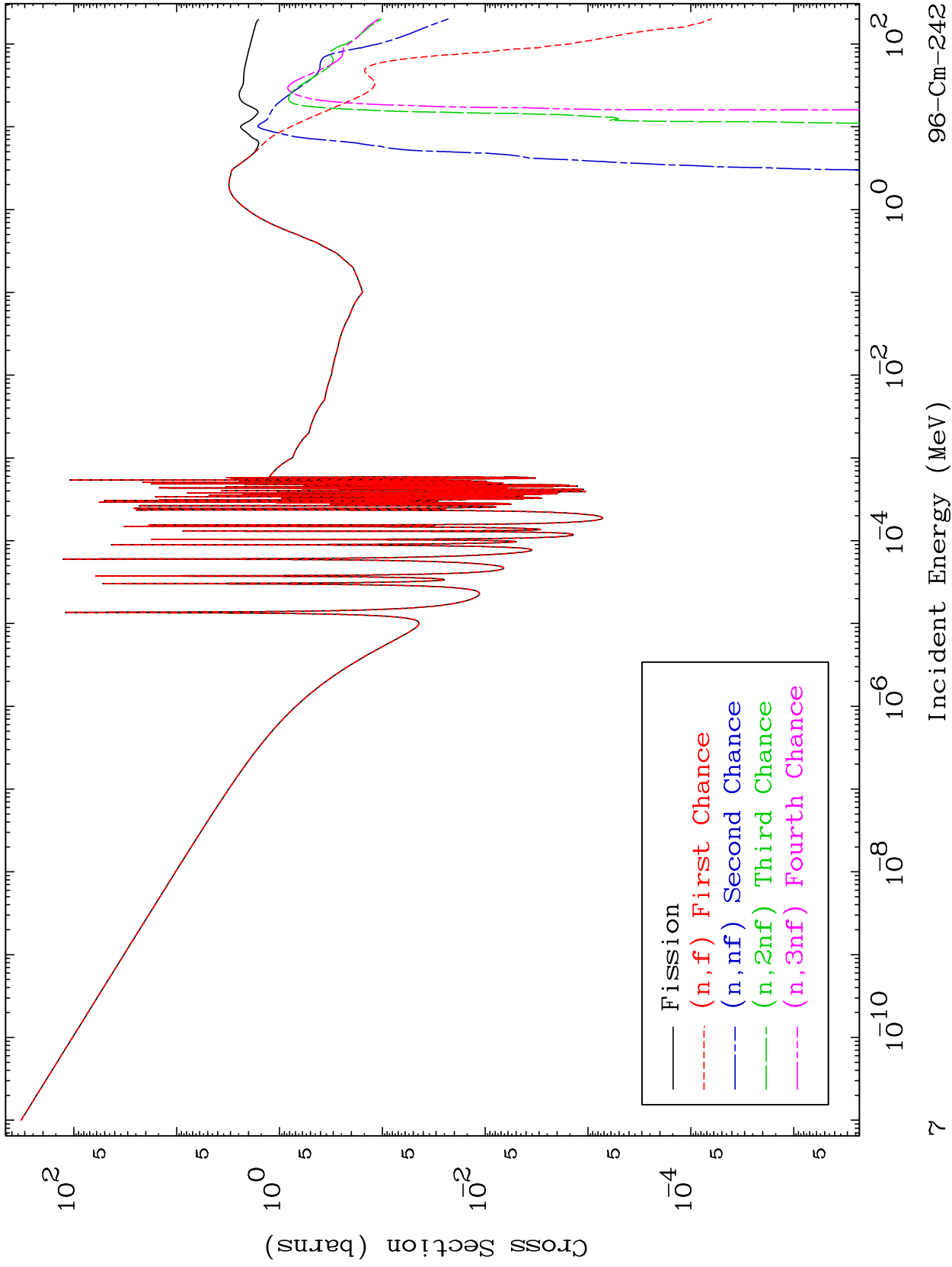
96-Cm-242

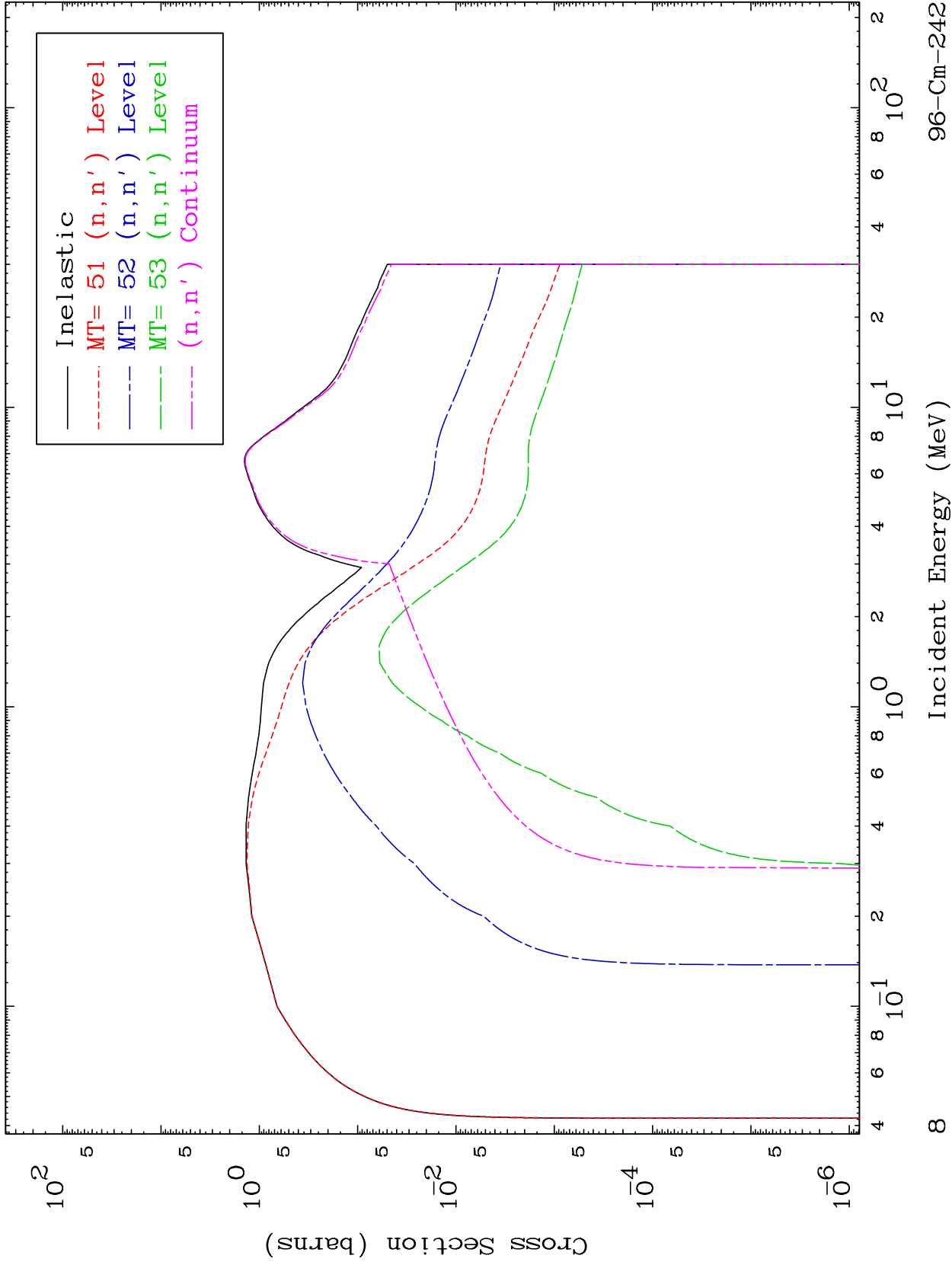


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Fission
293 Kelvin Cross Sections

96-Cm-242

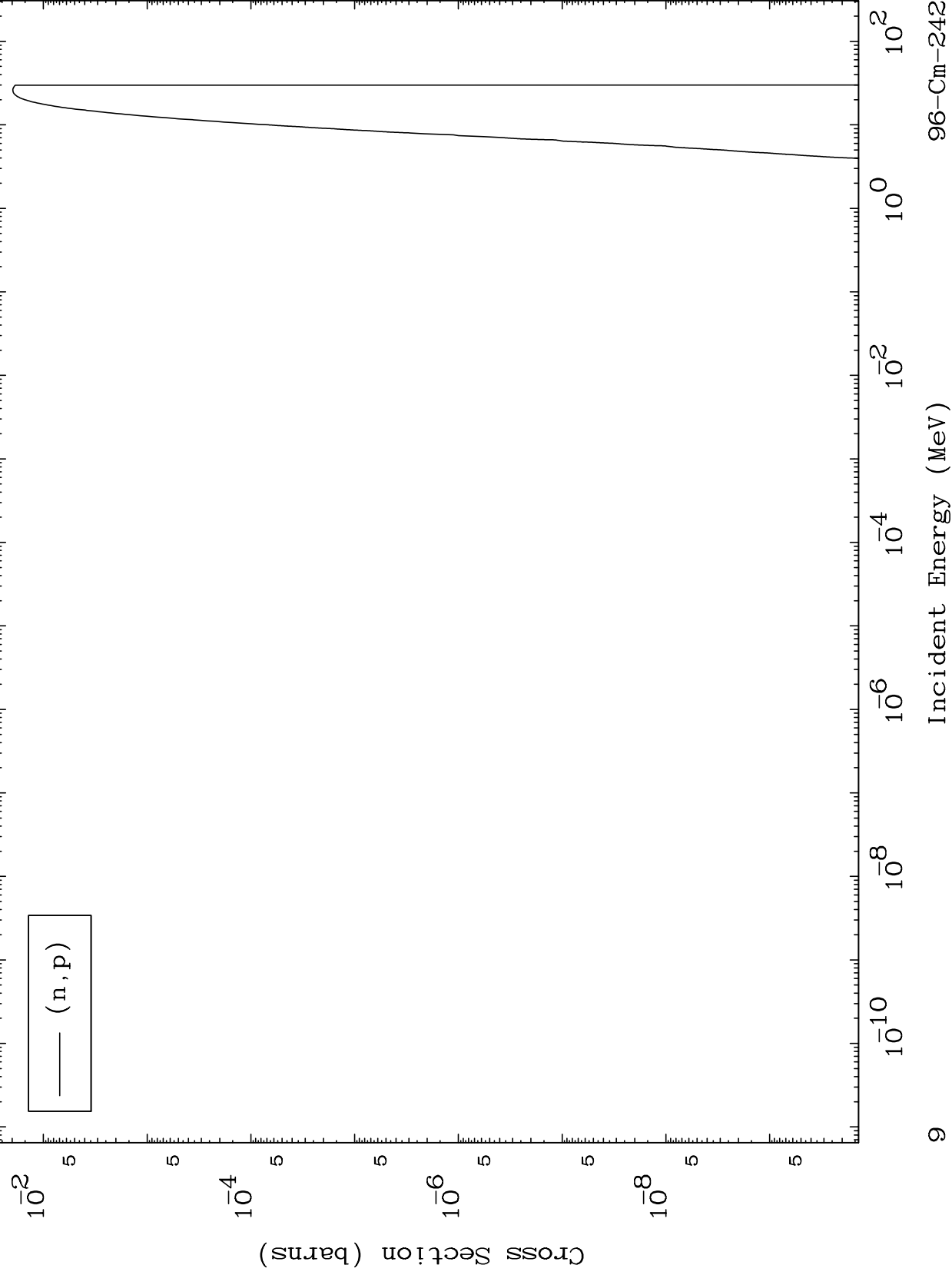




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(n,p) Levels
293 Kelvin Cross Sections

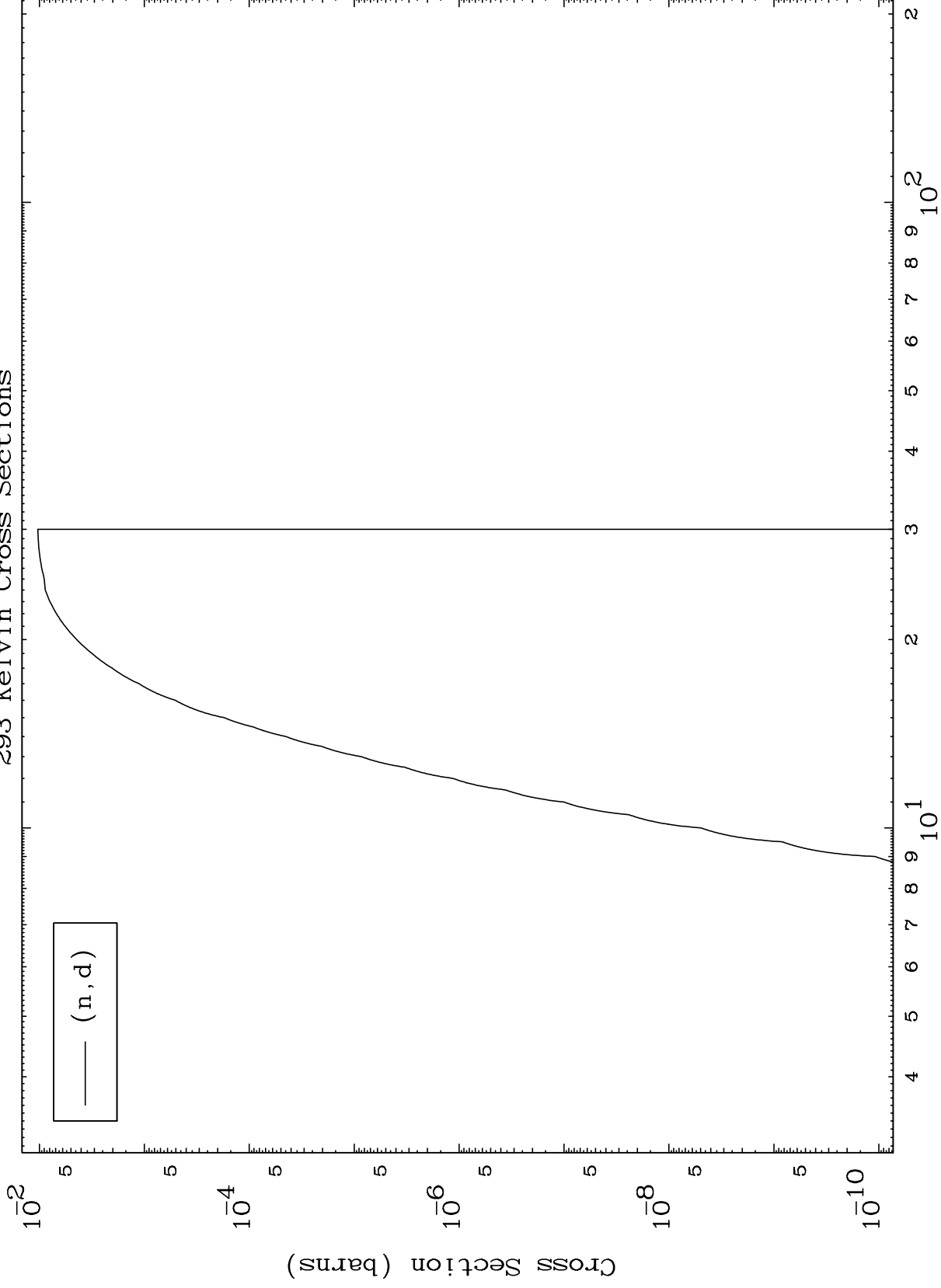
96-Cm-242



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(n,d) Levels
293 Kelvin Cross Sections

96-Cm-242



10

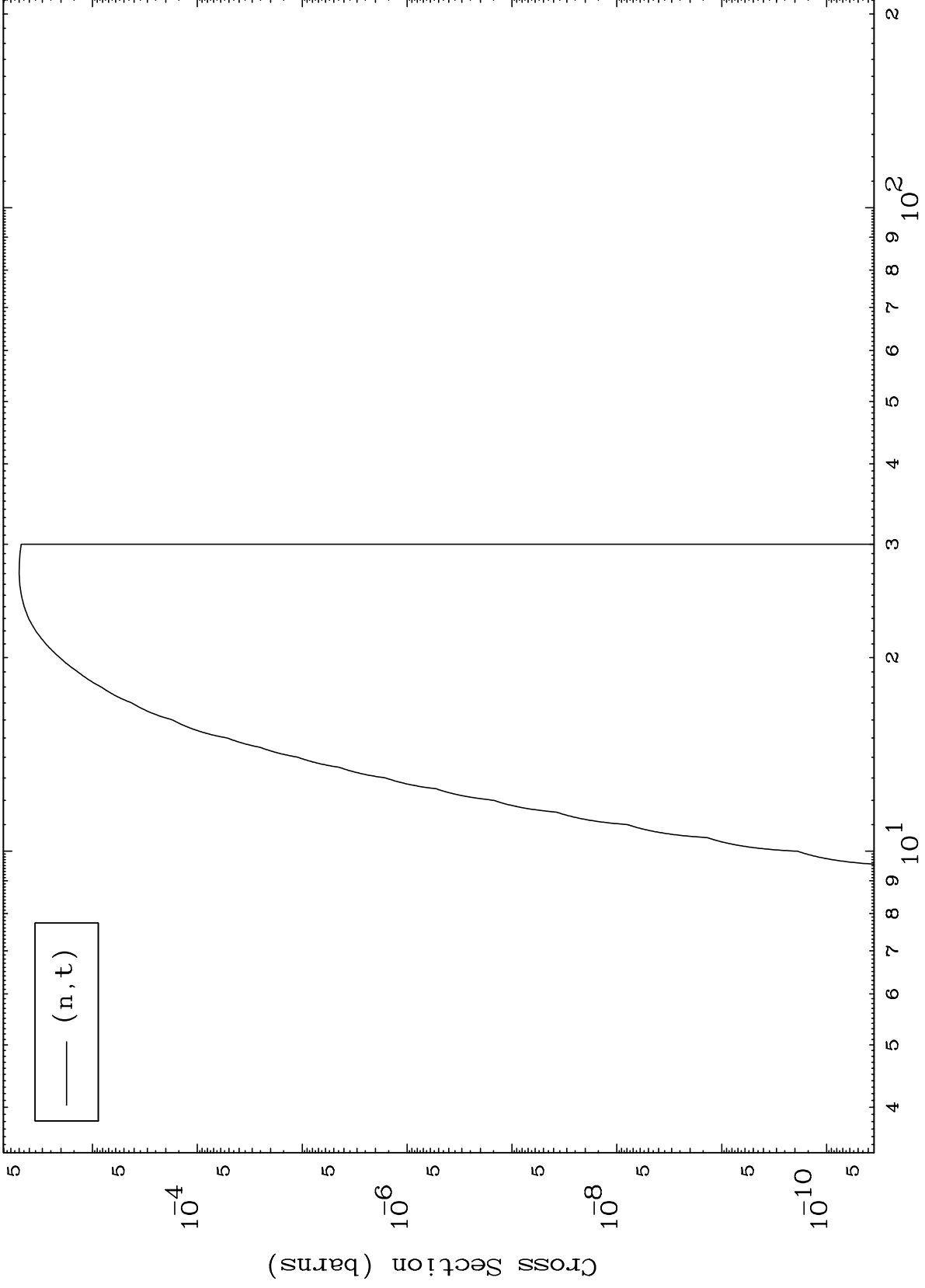
Incident Energy (MeV)

96-Cm-242

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(n,t) Levels
293 Kelvin Cross Sections

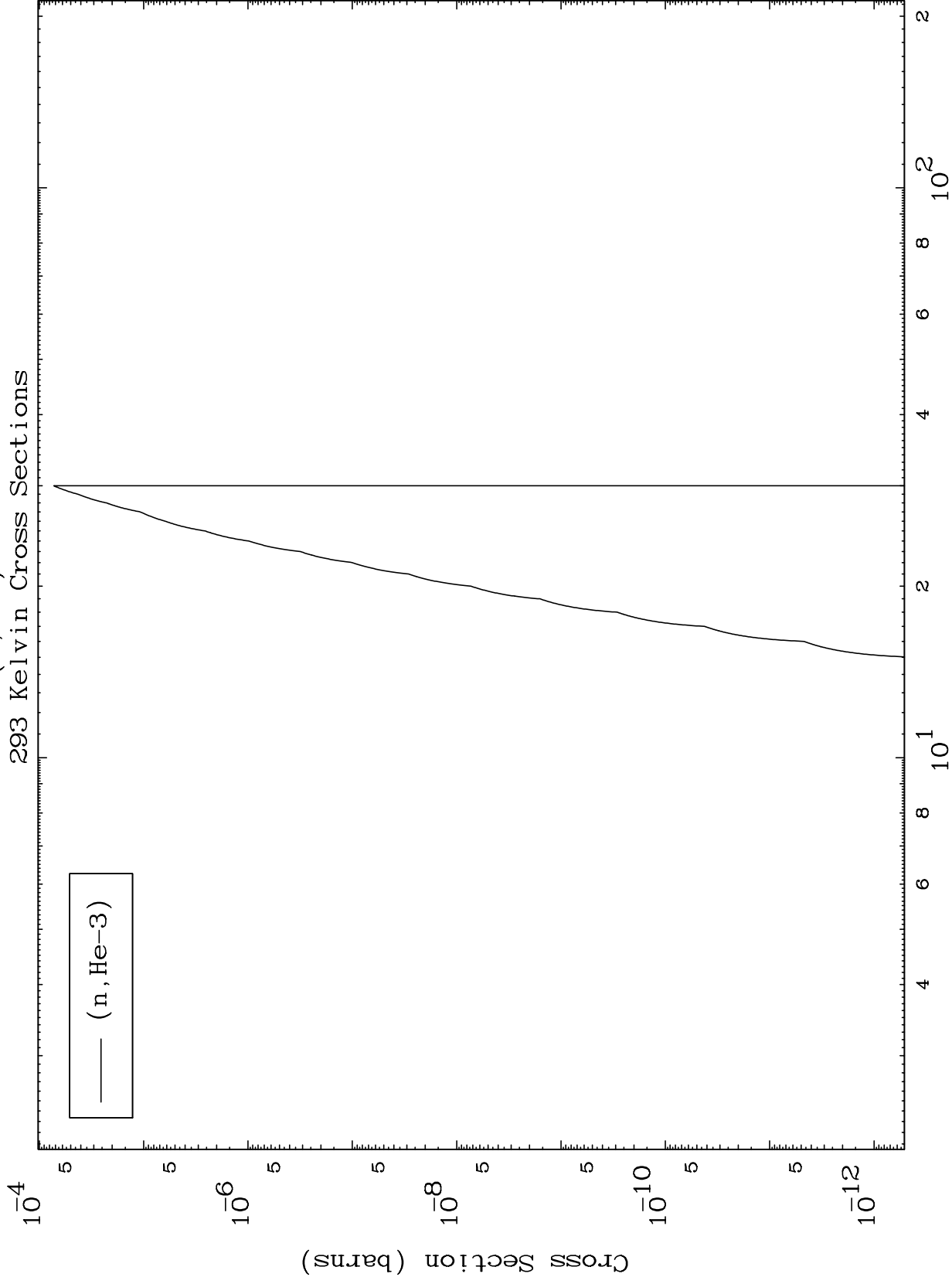
96-Cm-242



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(n,He3) Levels
293 Kelvin Cross Sections

96-Cm-242



12

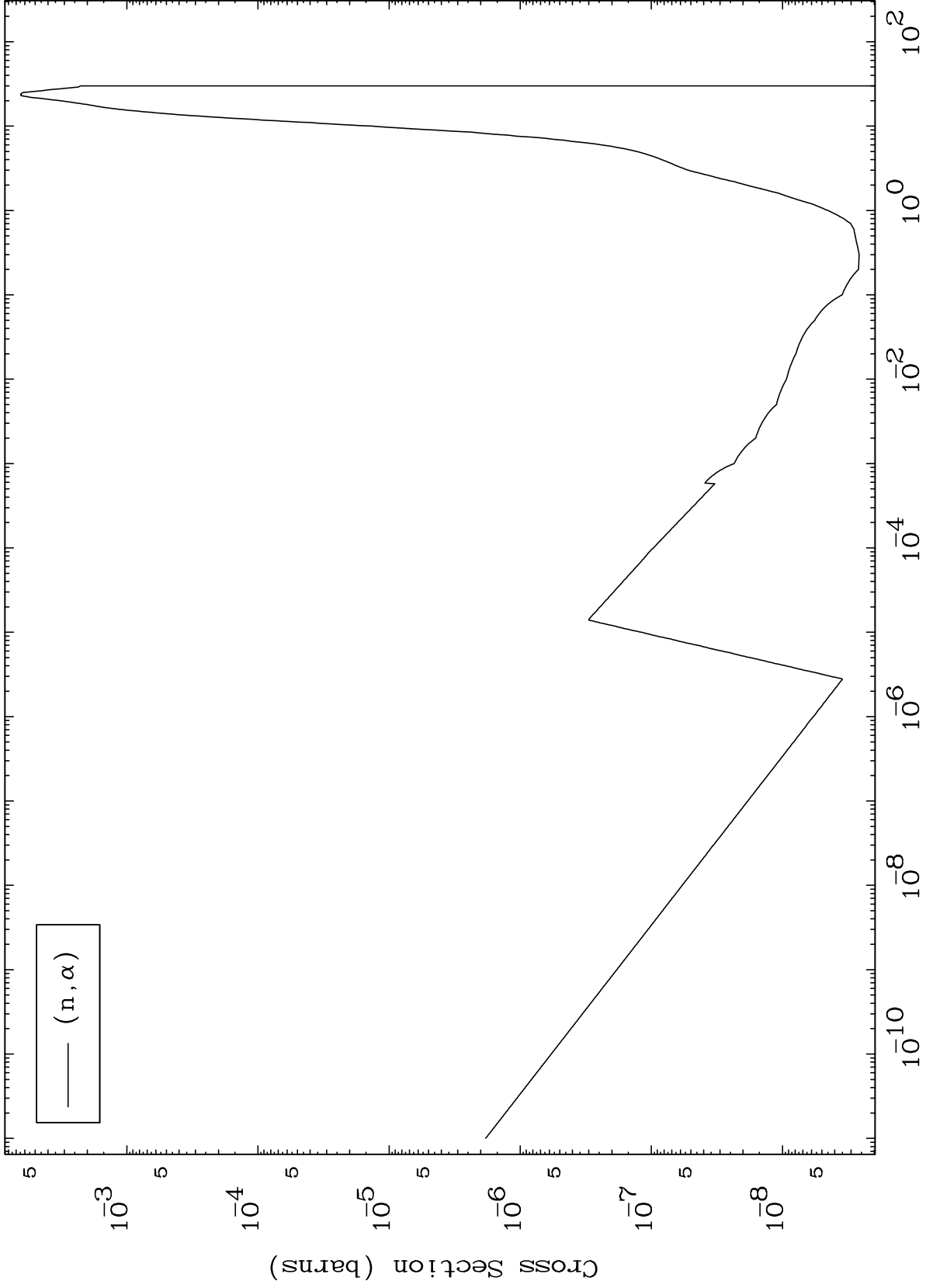
Incident Energy (MeV)

96-Cm-242

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(n, α) Levels
293 Kelvin Cross Sections

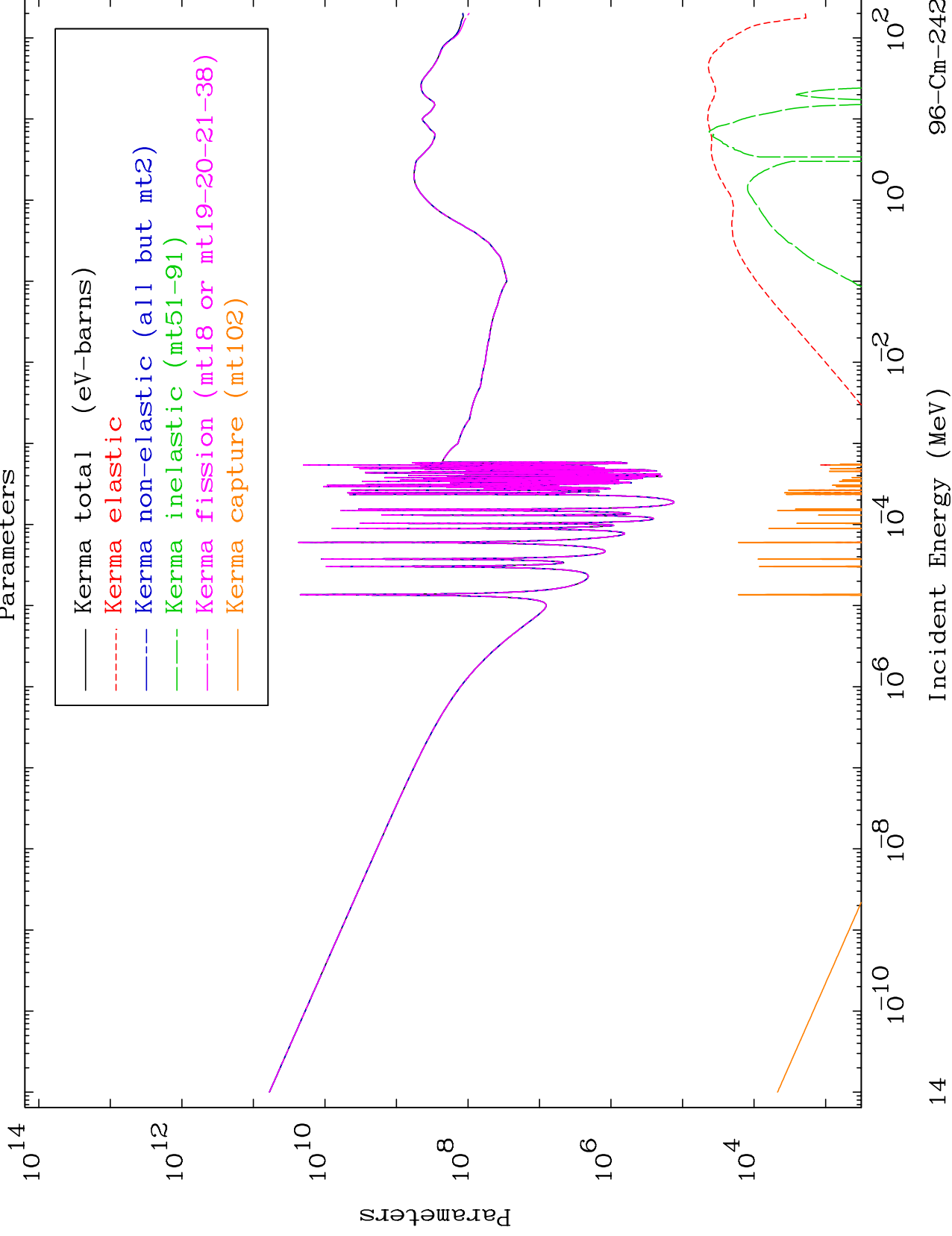
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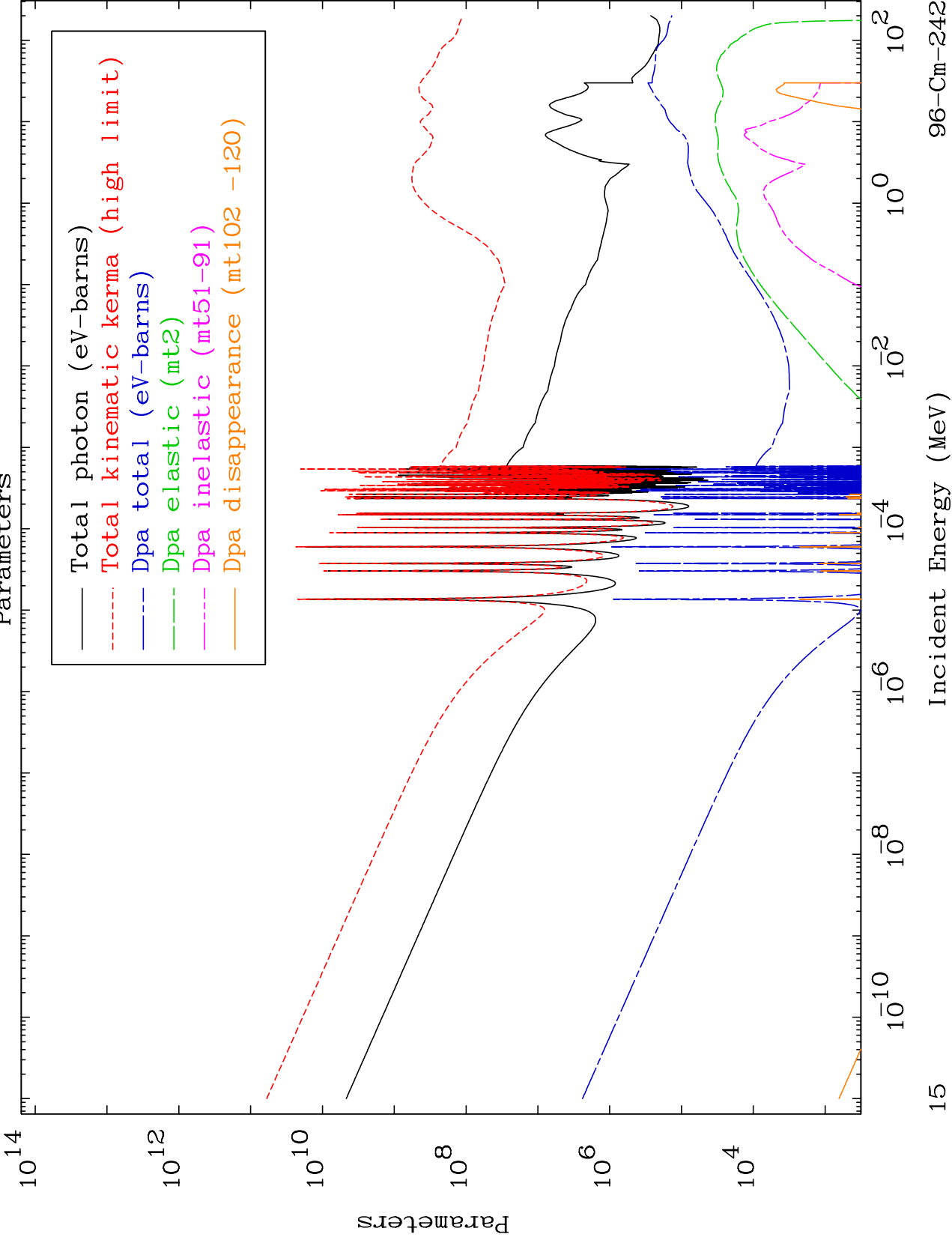


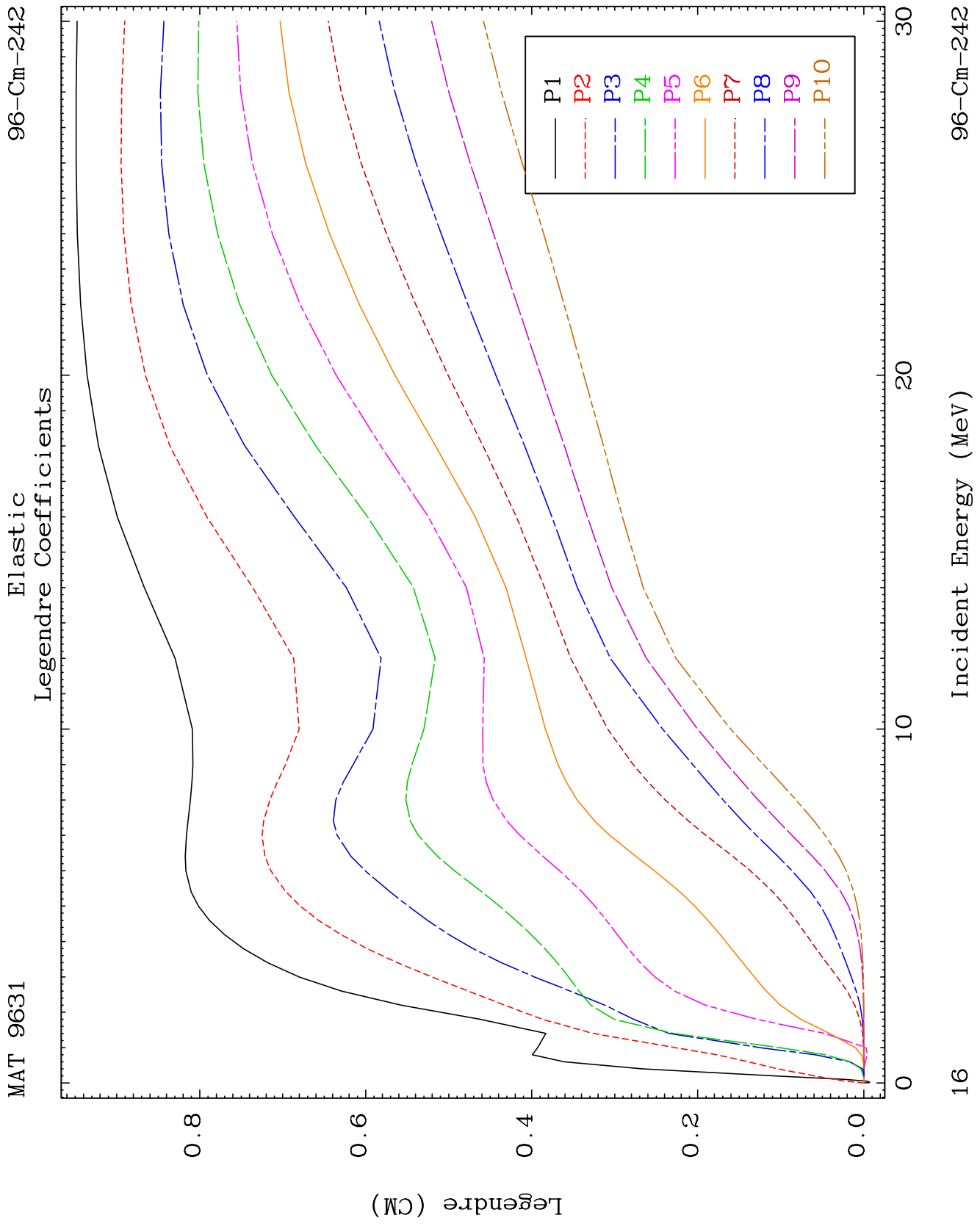
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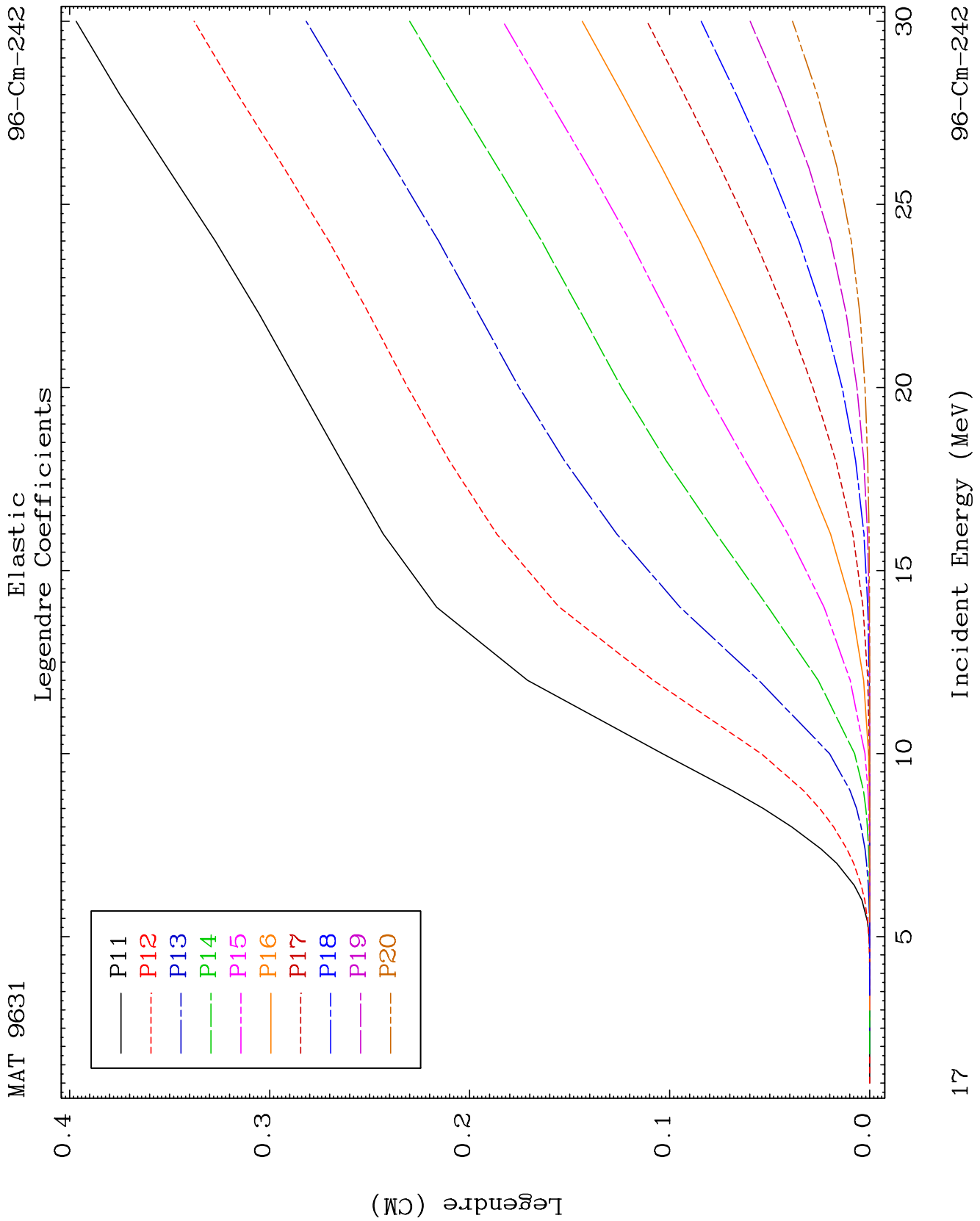
Incident Energy (MeV)

96-Cm-242





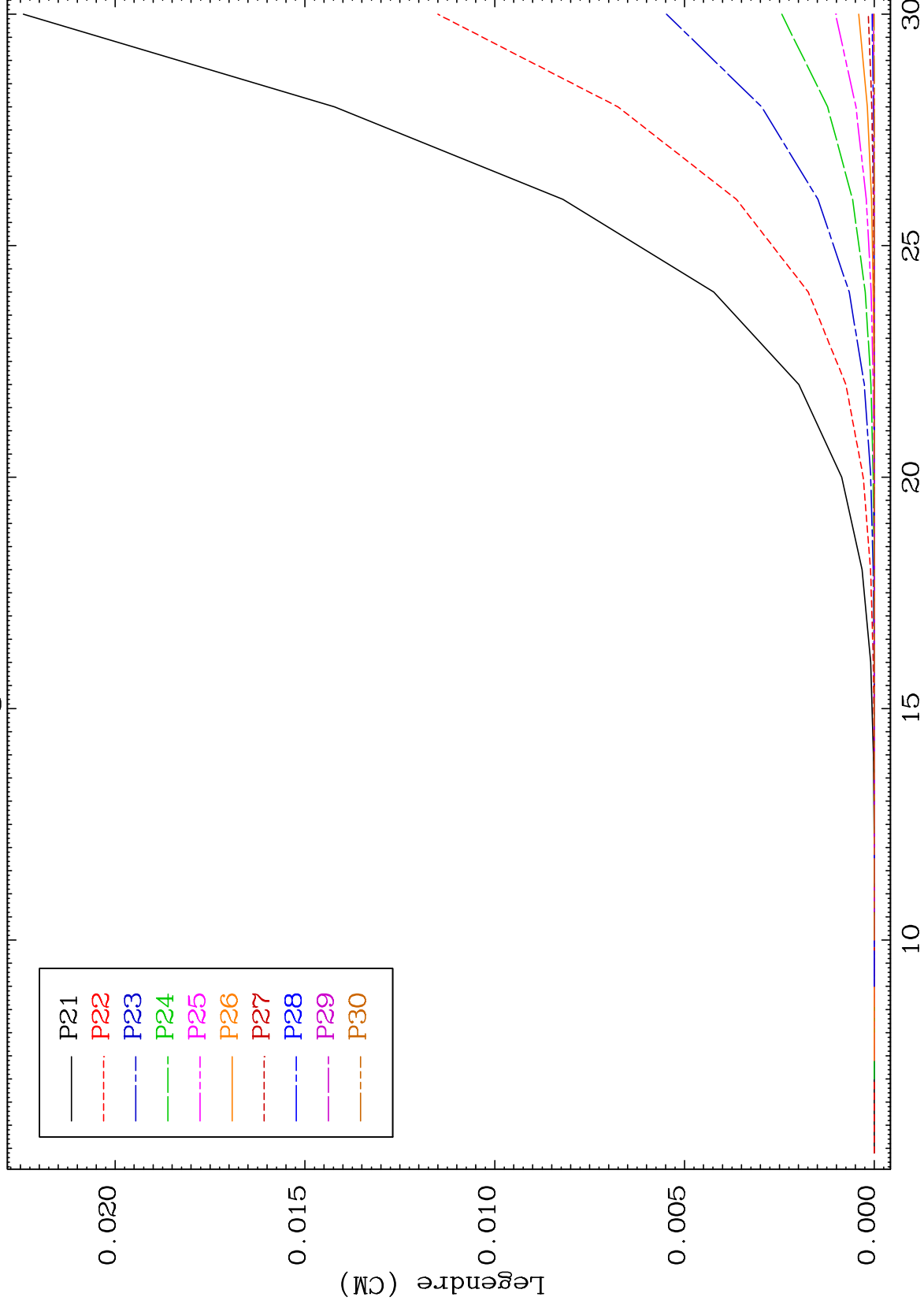




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Elastic Legendre Coefficients

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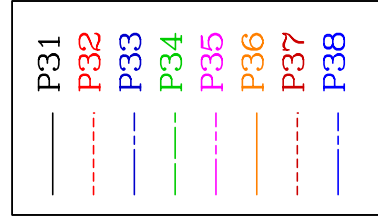
Incident Energy (MeV)

96-Cm-242

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Elastic Legendre Coefficients

96-Cm-242



$\times 10^{-6}$
2.0
1.5

Legendre (CM)

1.0

0.5

0.0

15

20

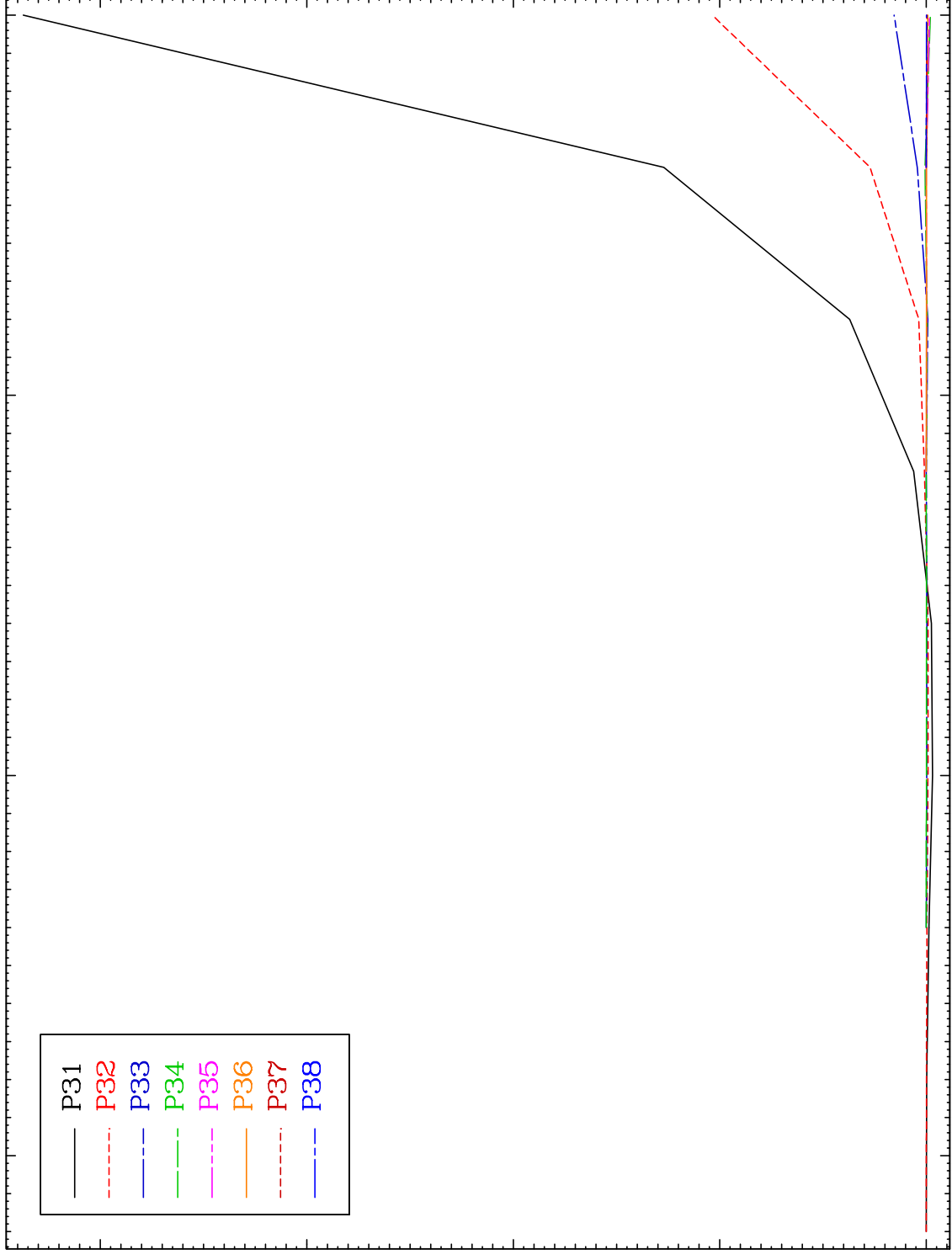
25

30

19

Incident Energy (MeV)

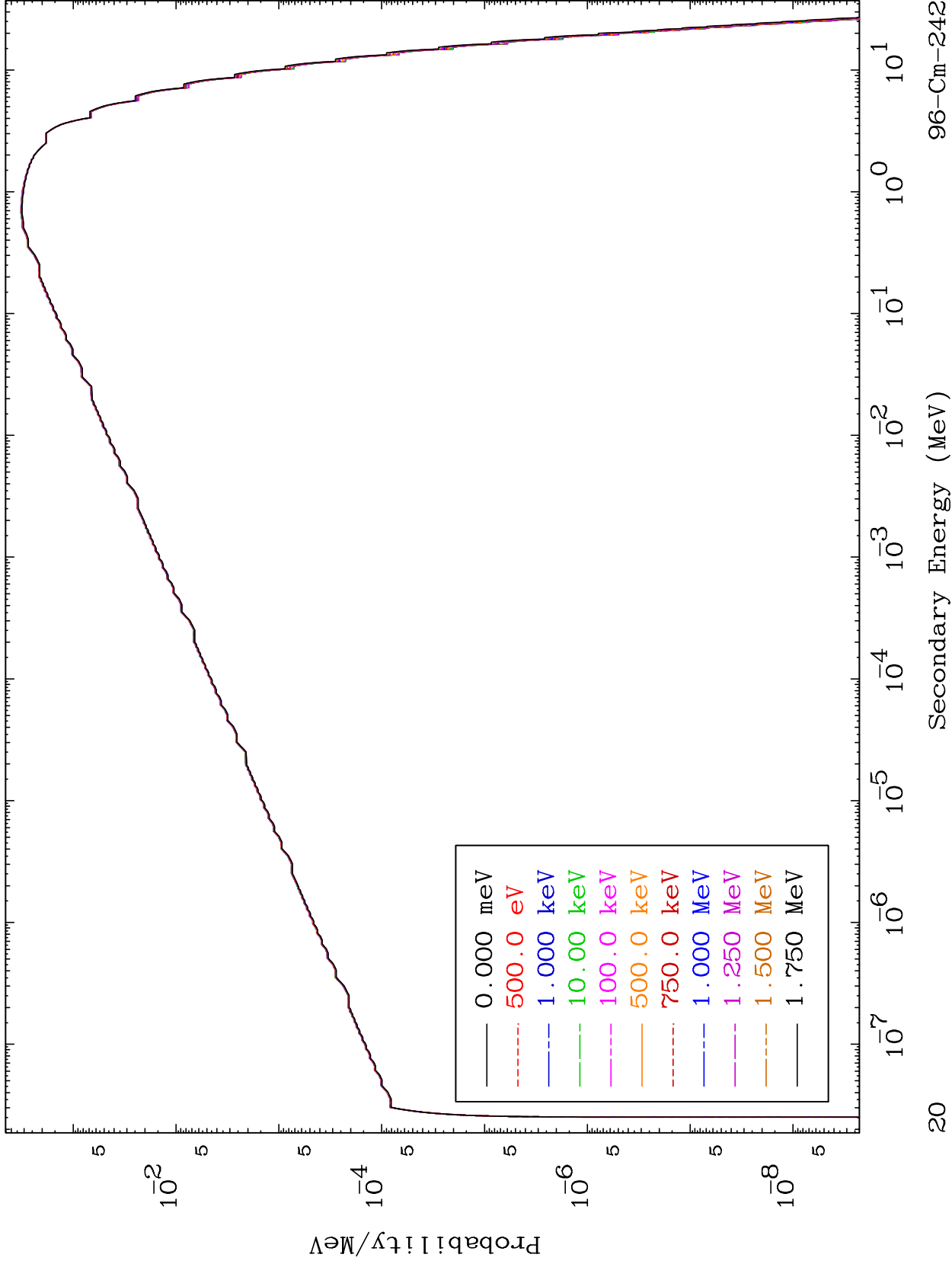
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Fission Energy Distribution

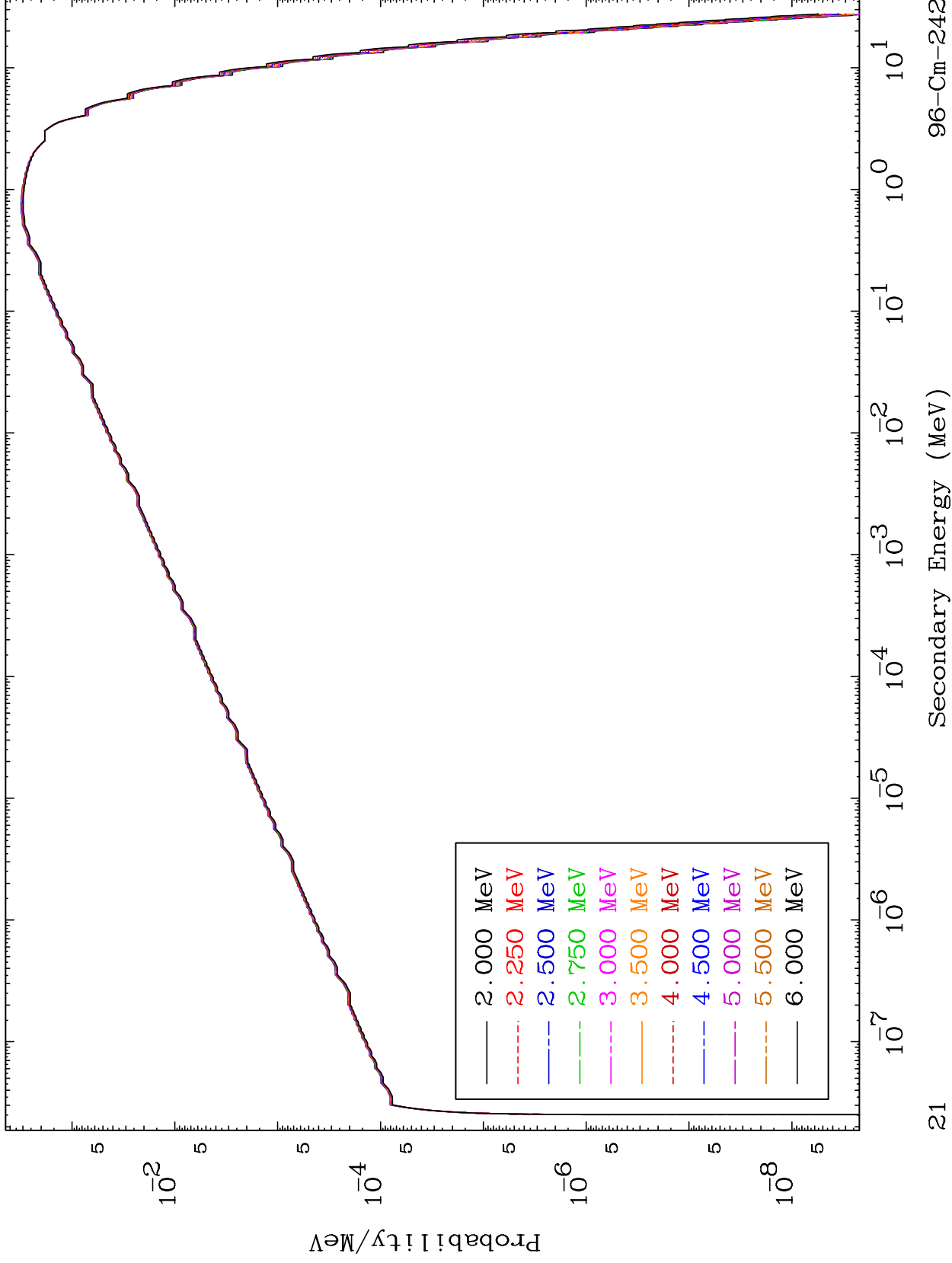
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Fission Energy Distribution

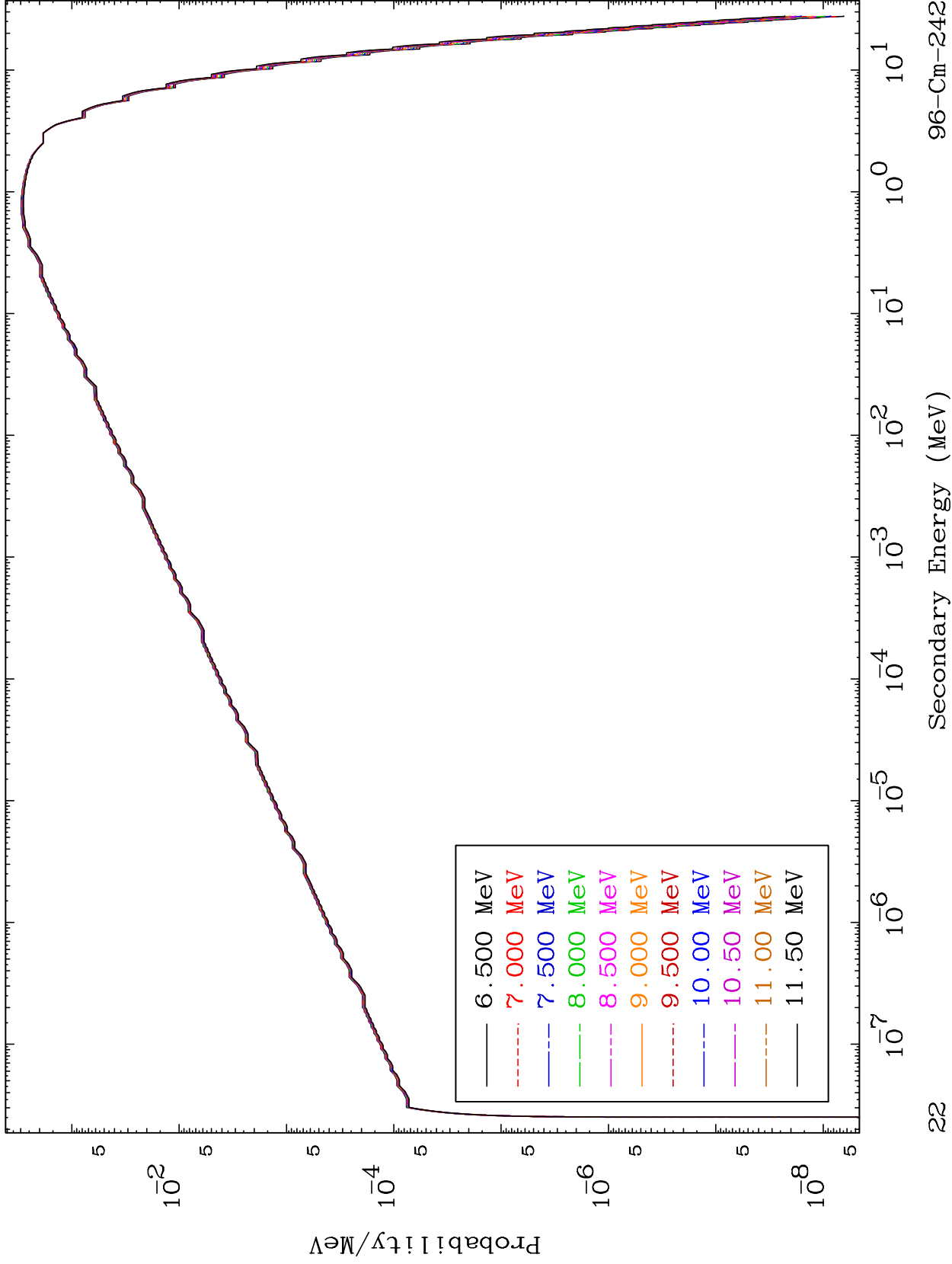
96-Cm-242



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Fission Energy Distribution

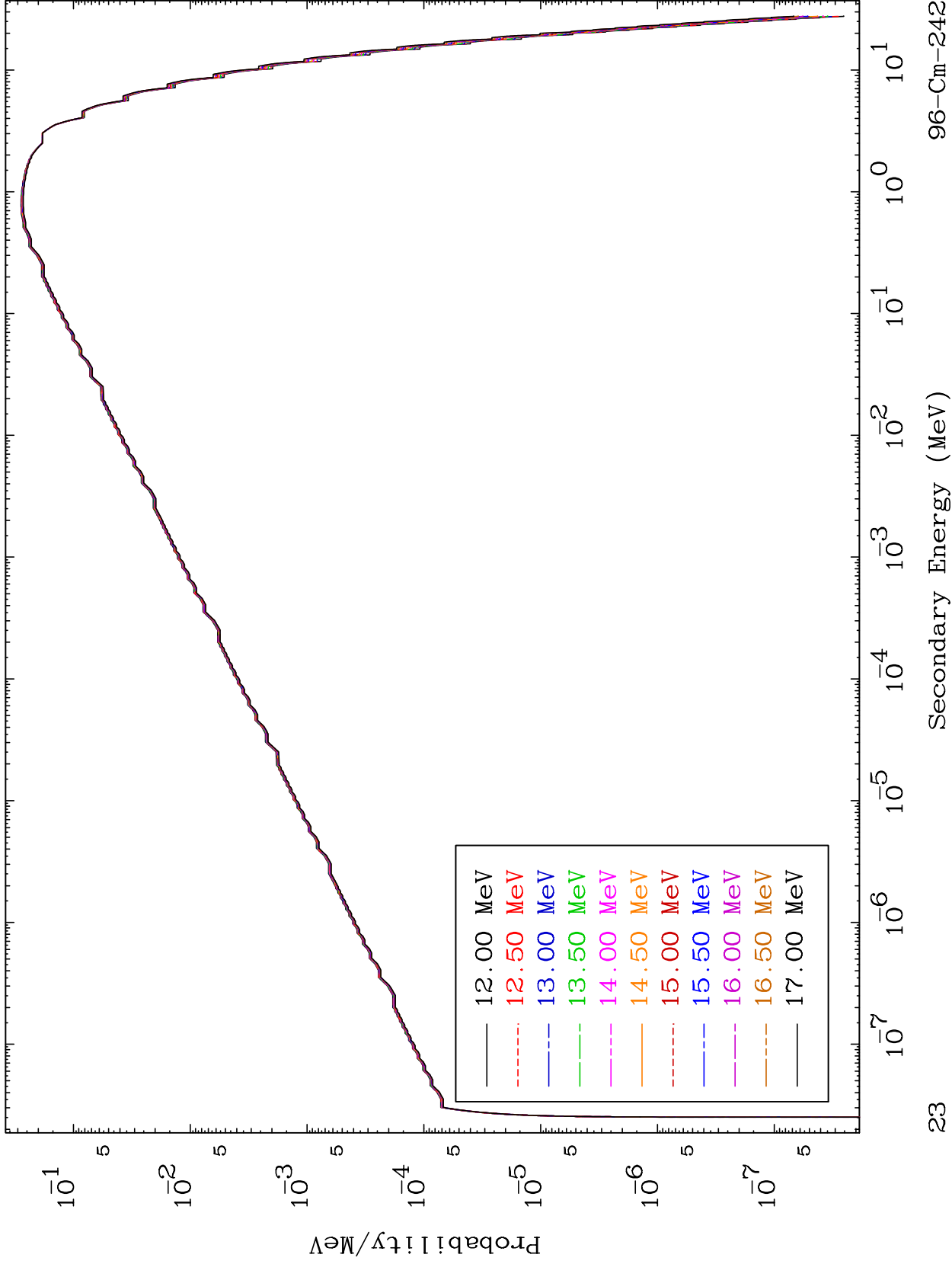
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Fission Energy Distribution

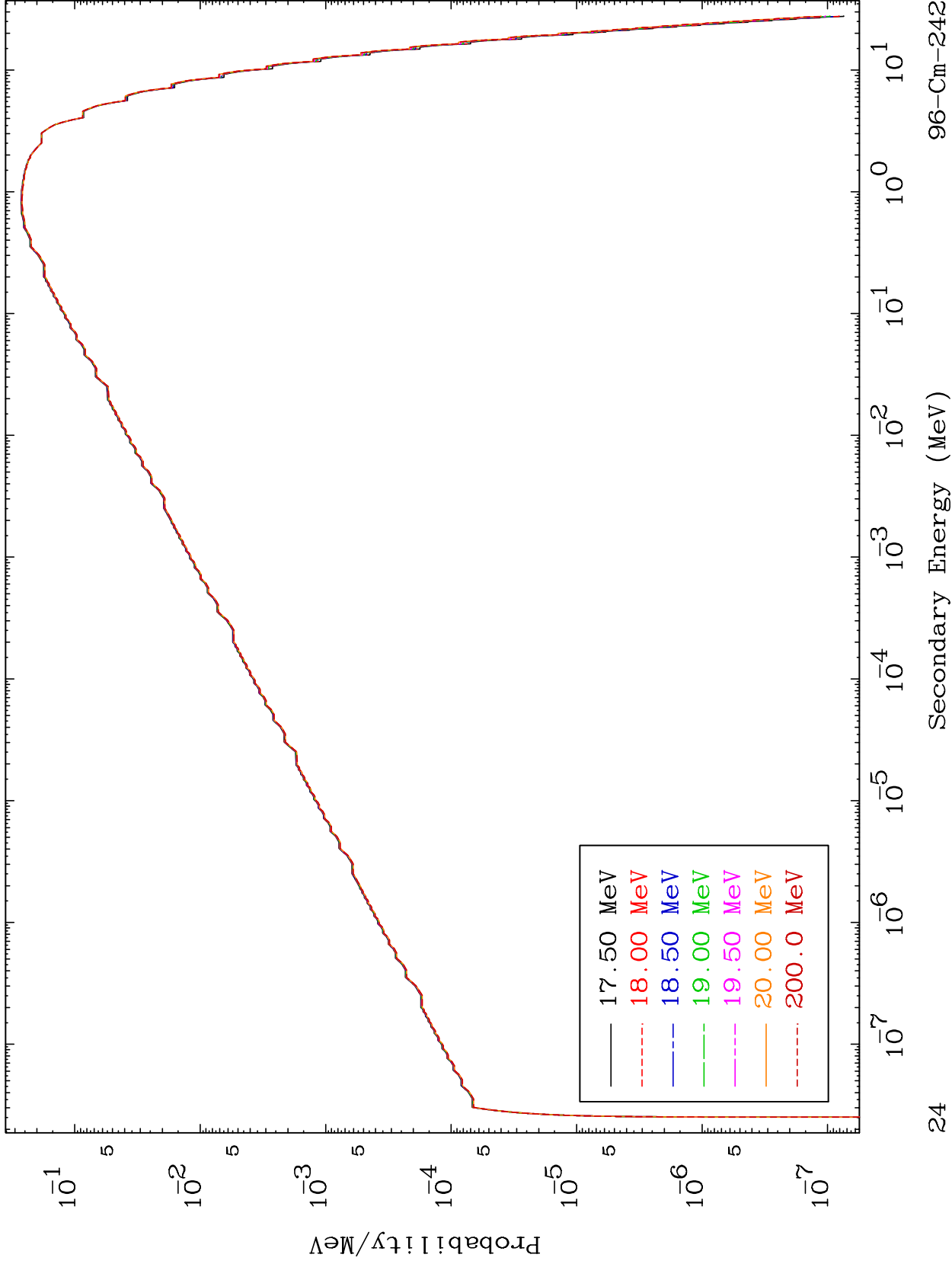
96-Cm-242



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Fission Energy Distribution

96-Cm-242

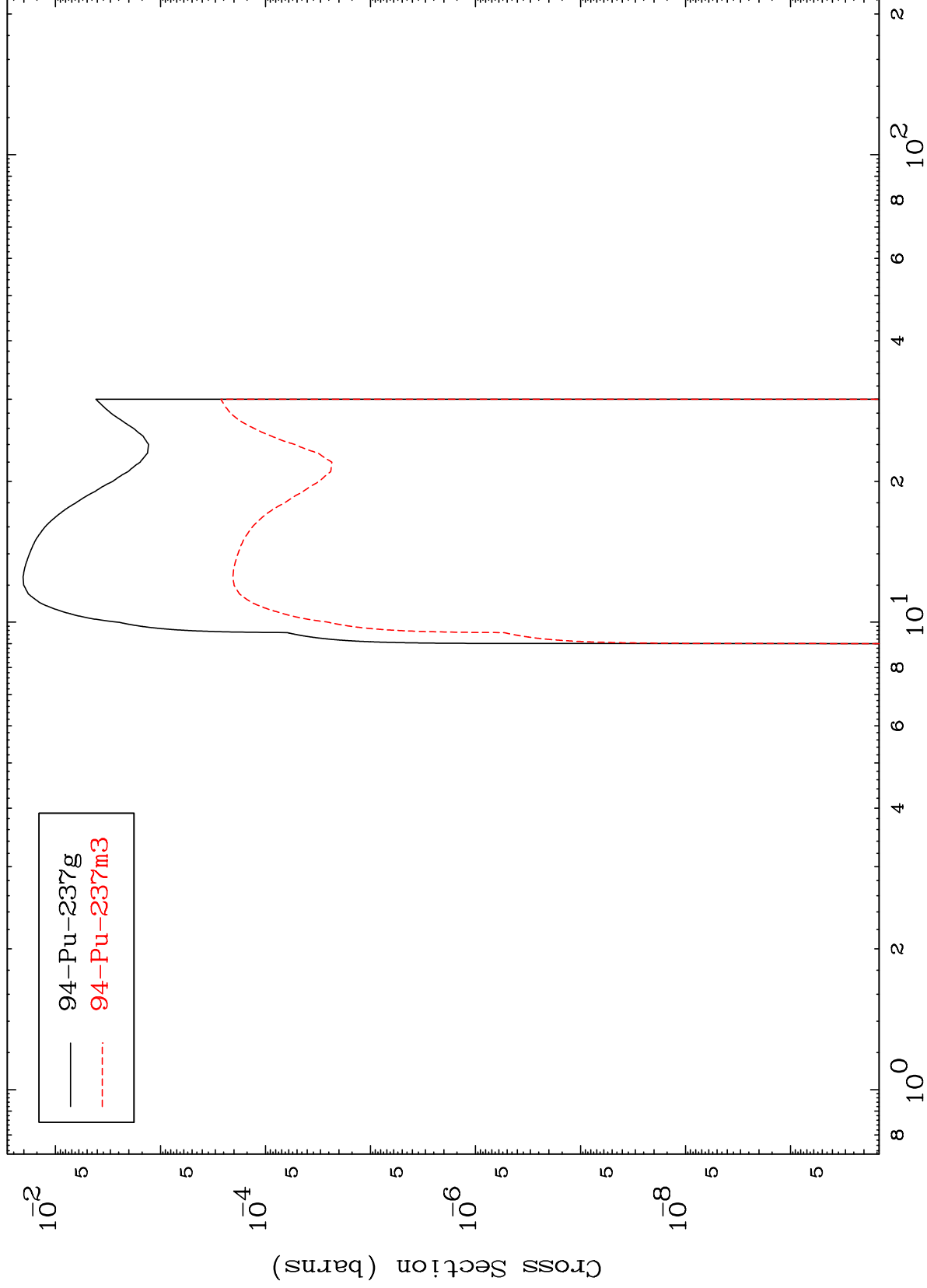


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(n,2n) α

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Radionuclide Production Cross Section



25

Incident Energy (MeV)

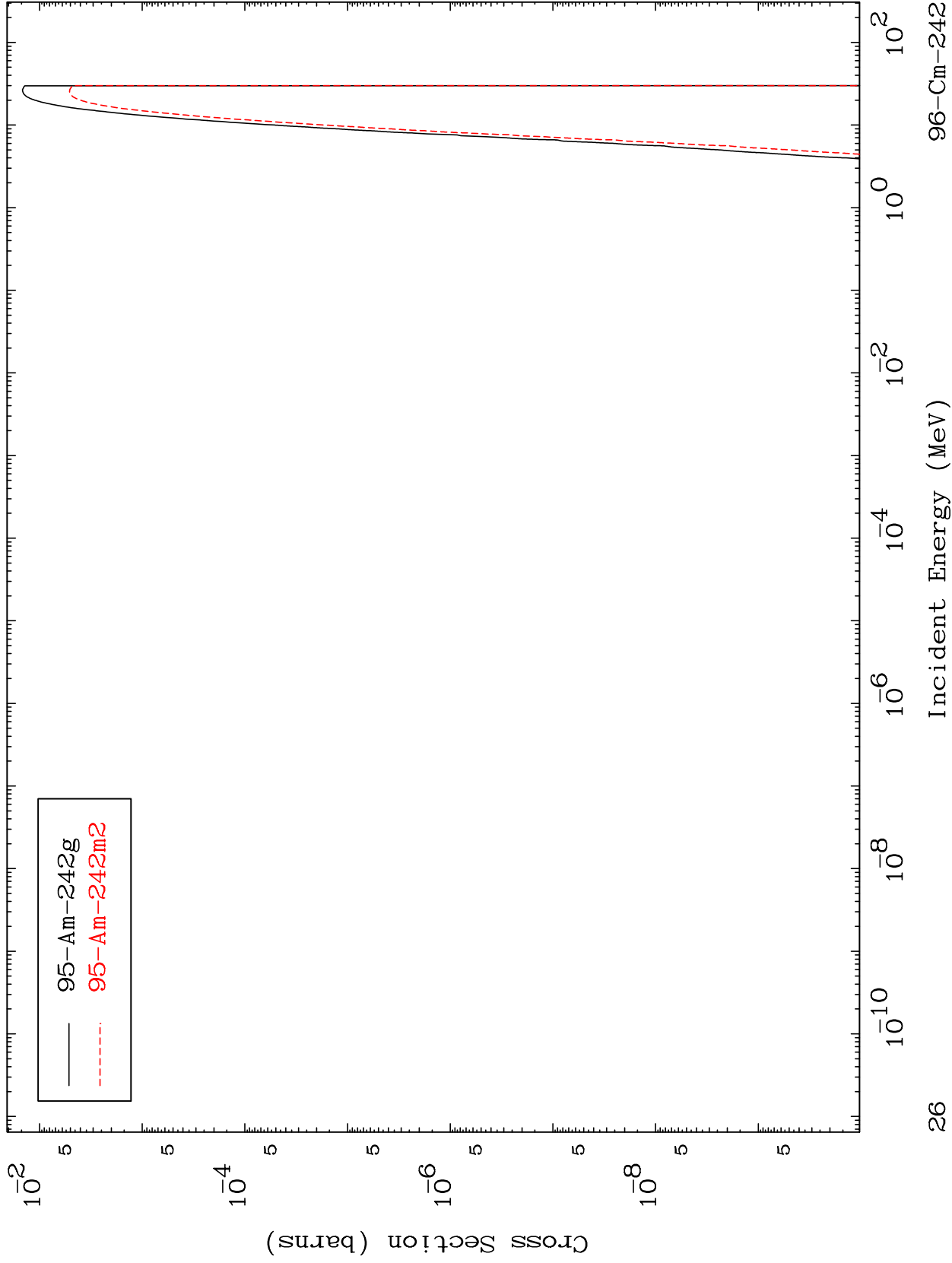
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(n,p)

96-Cm-242

Radionuclide Production Cross Section

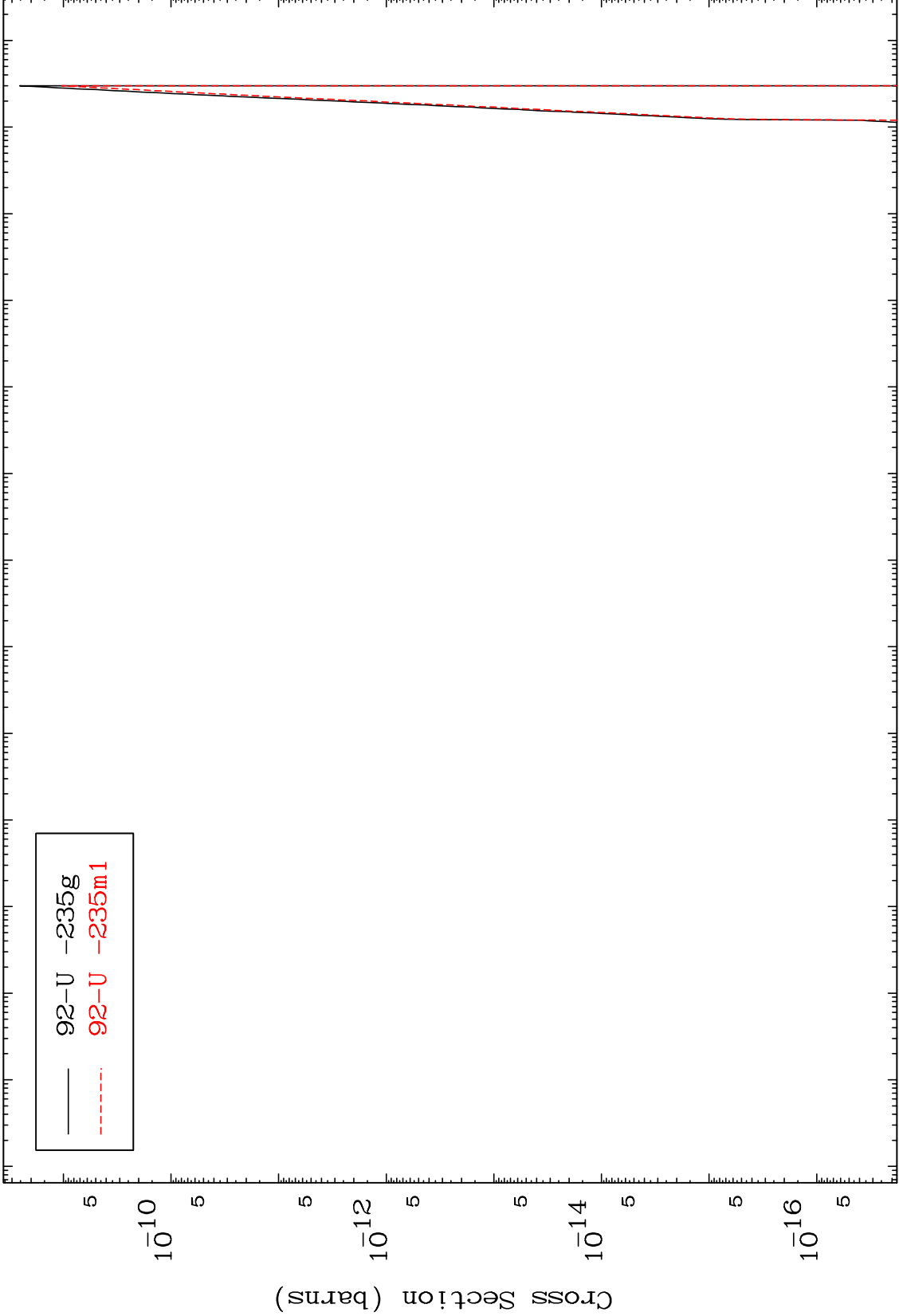
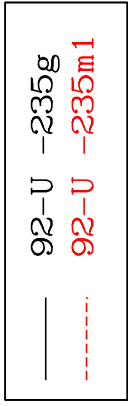


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(n,2α)

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Radionuclide Production Cross Section



Cross Section (barns)

10⁻¹⁰
10⁻¹²
10⁻¹⁴
10⁻¹⁶

5
6

10⁻¹⁰ 10⁻⁸ 10⁻⁶ 10⁻⁴ 10⁻² 10⁰ 10²

Incident Energy (MeV)

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