

Program EVALPLOT
(Version 2021-1)

by

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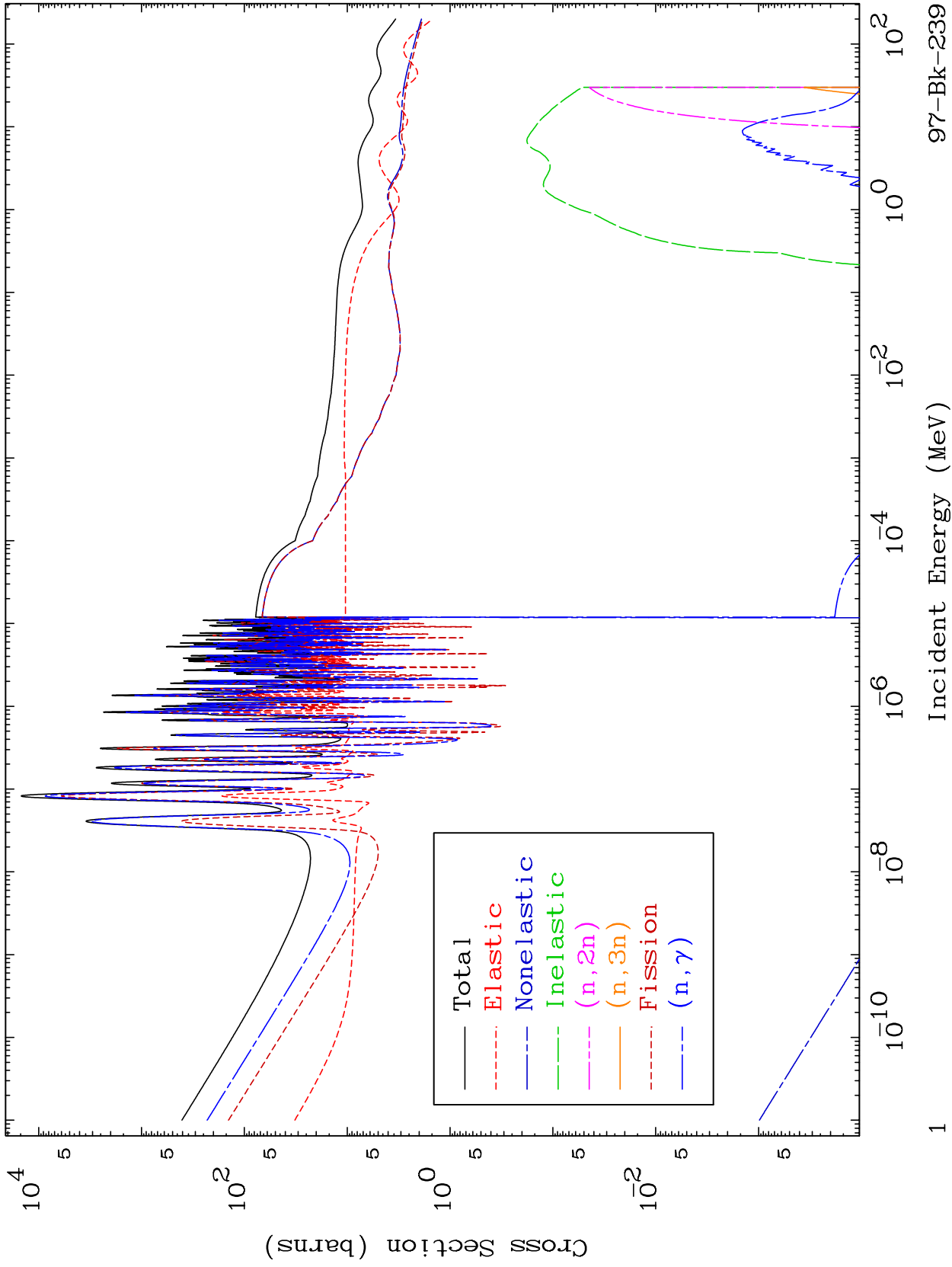
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9722

Neutron Major
293 Kelvin Cross Sections

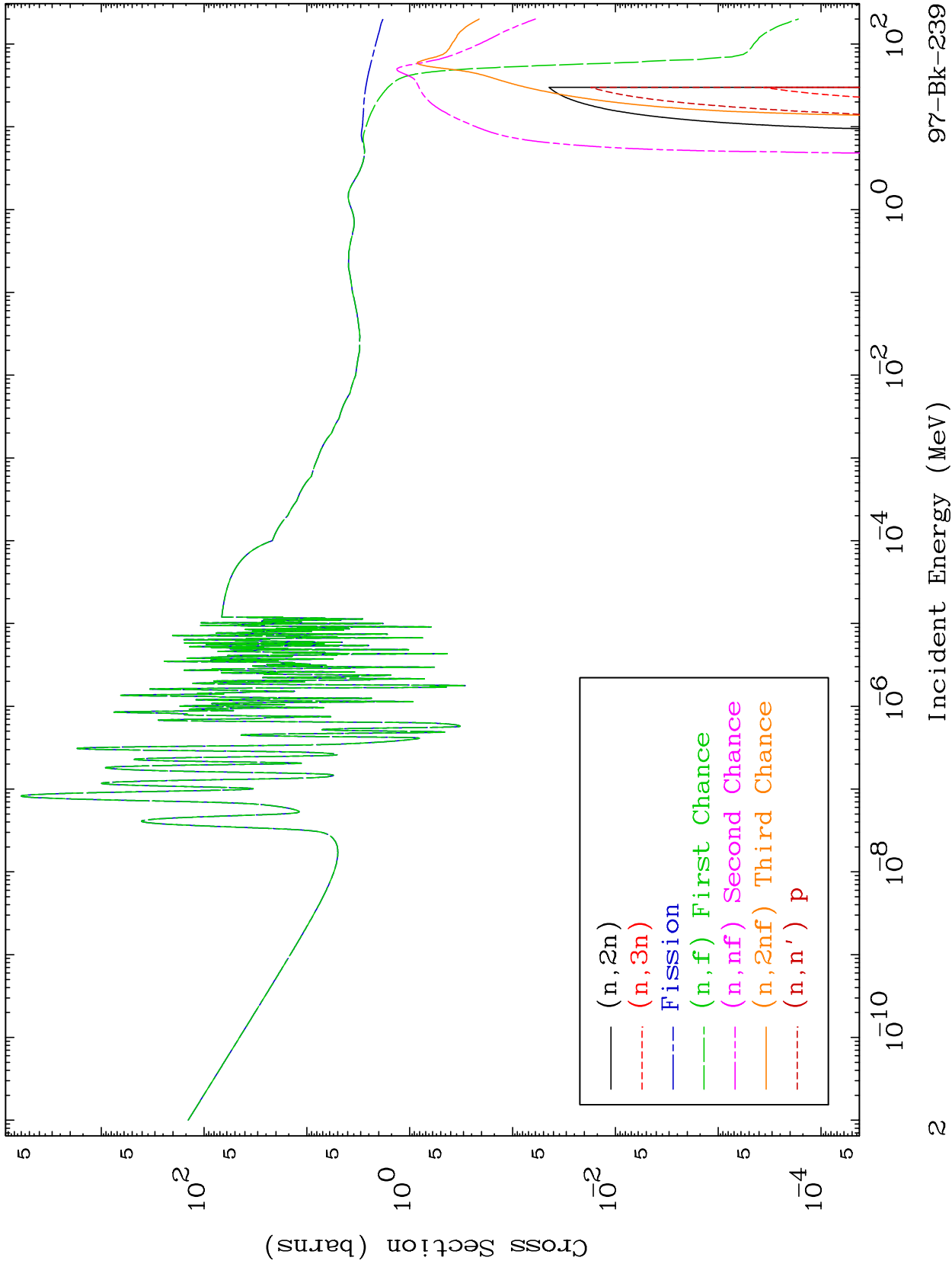
97-Bk-239



MAT 9722

Neutron Absorption
293 Kelvin Cross Sections

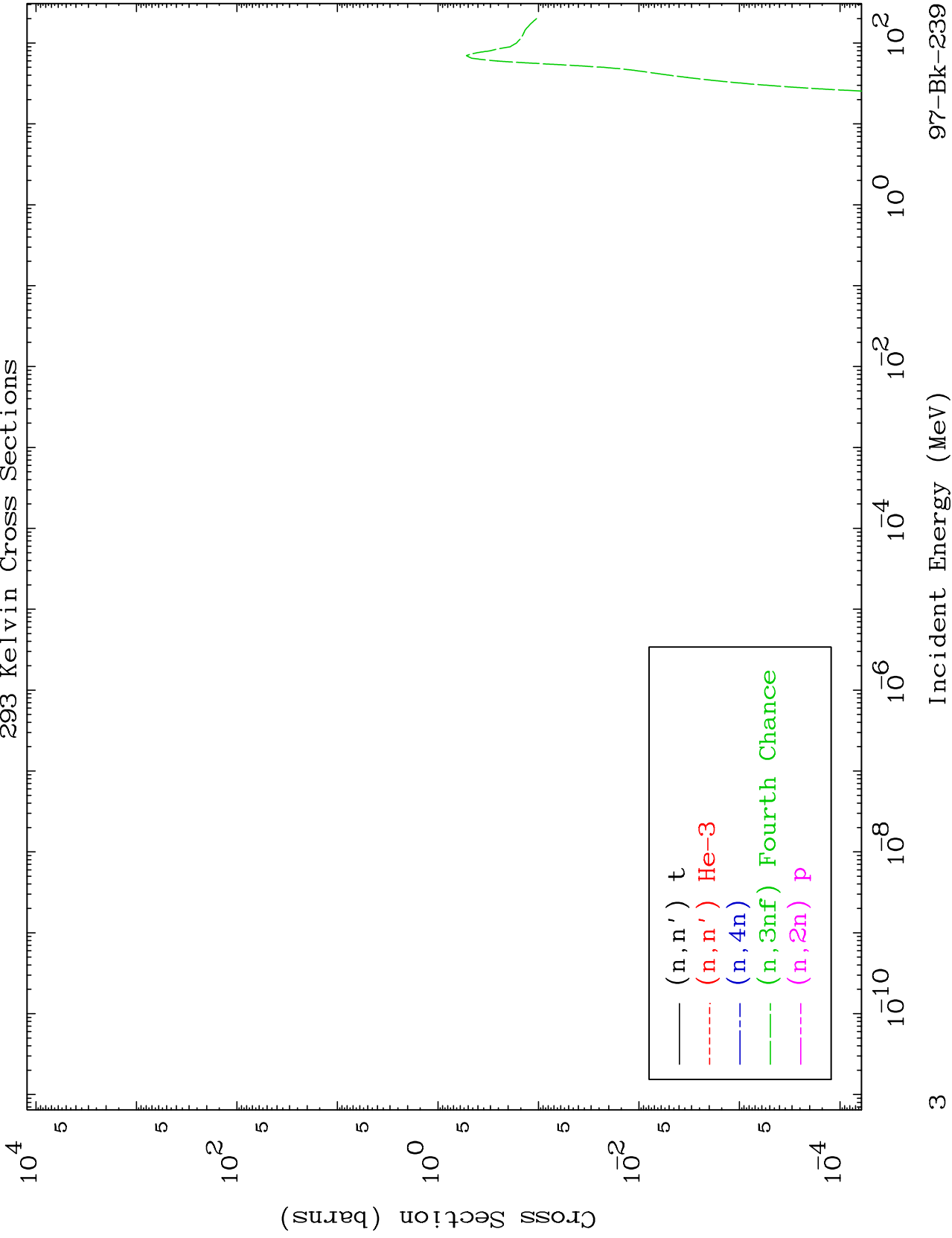
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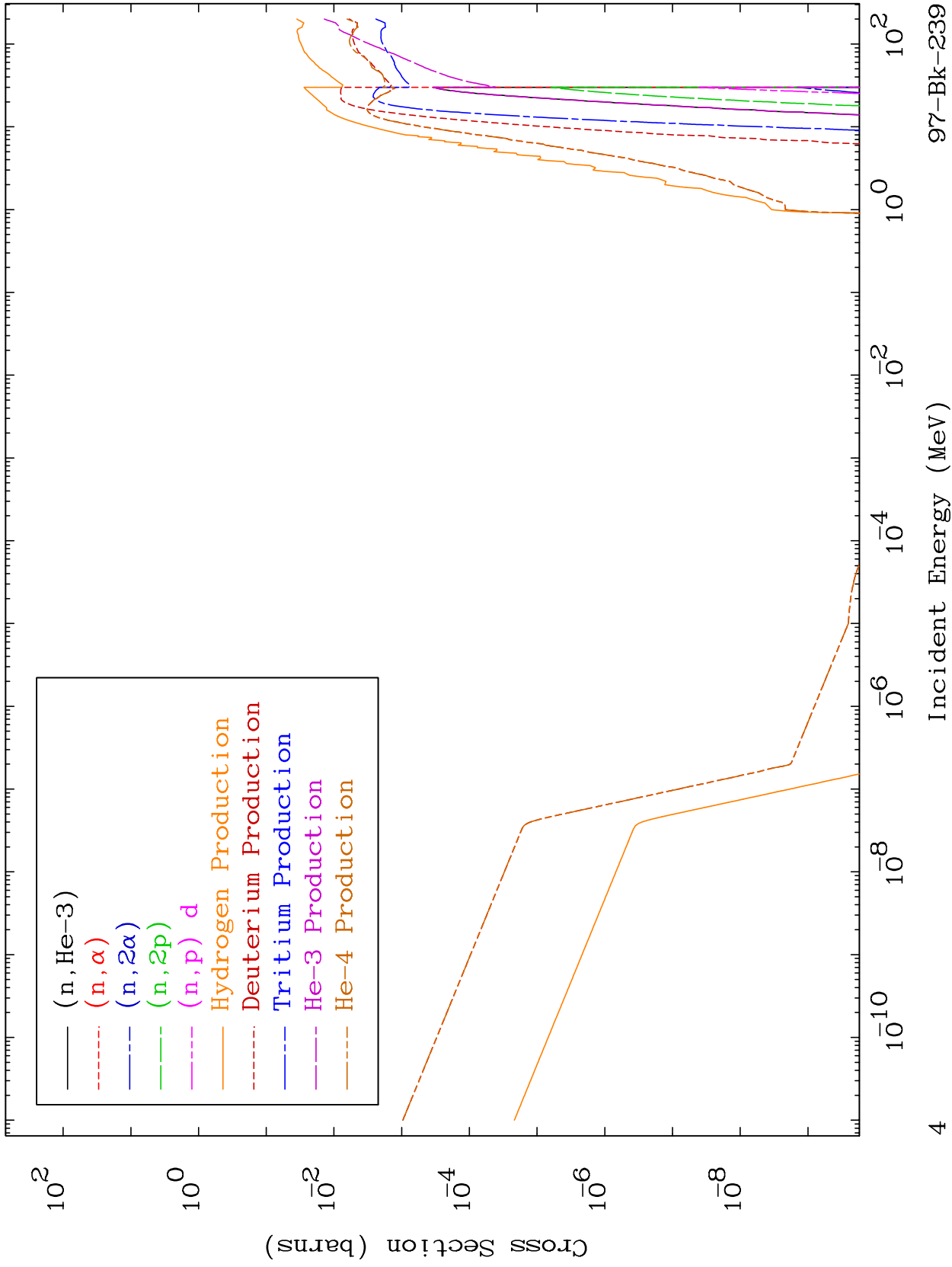


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Neutron Absorption
293 Kelvin Cross Sections

97-Bk-239

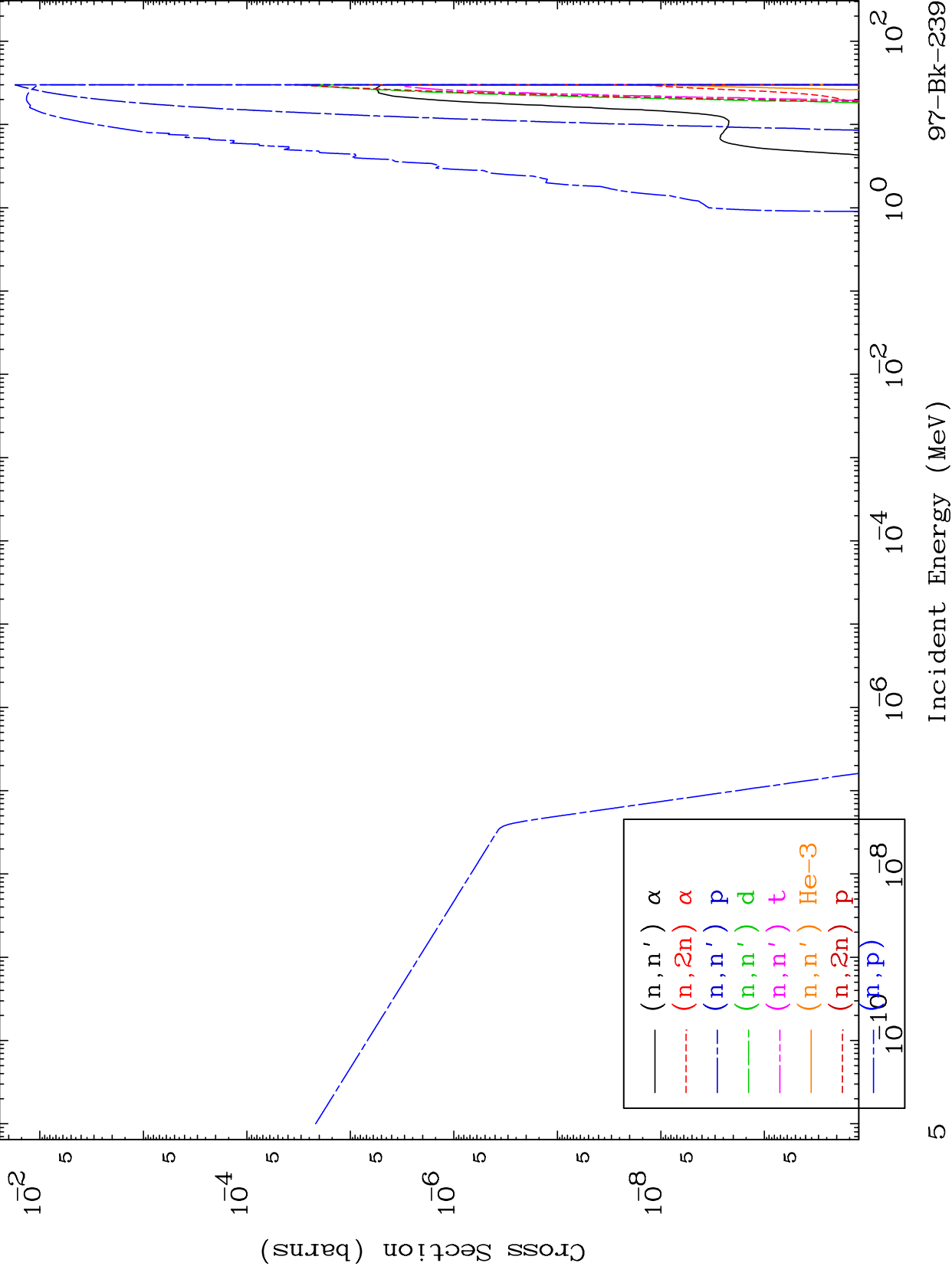




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Charged Particle
293 Kelvin Cross Sections

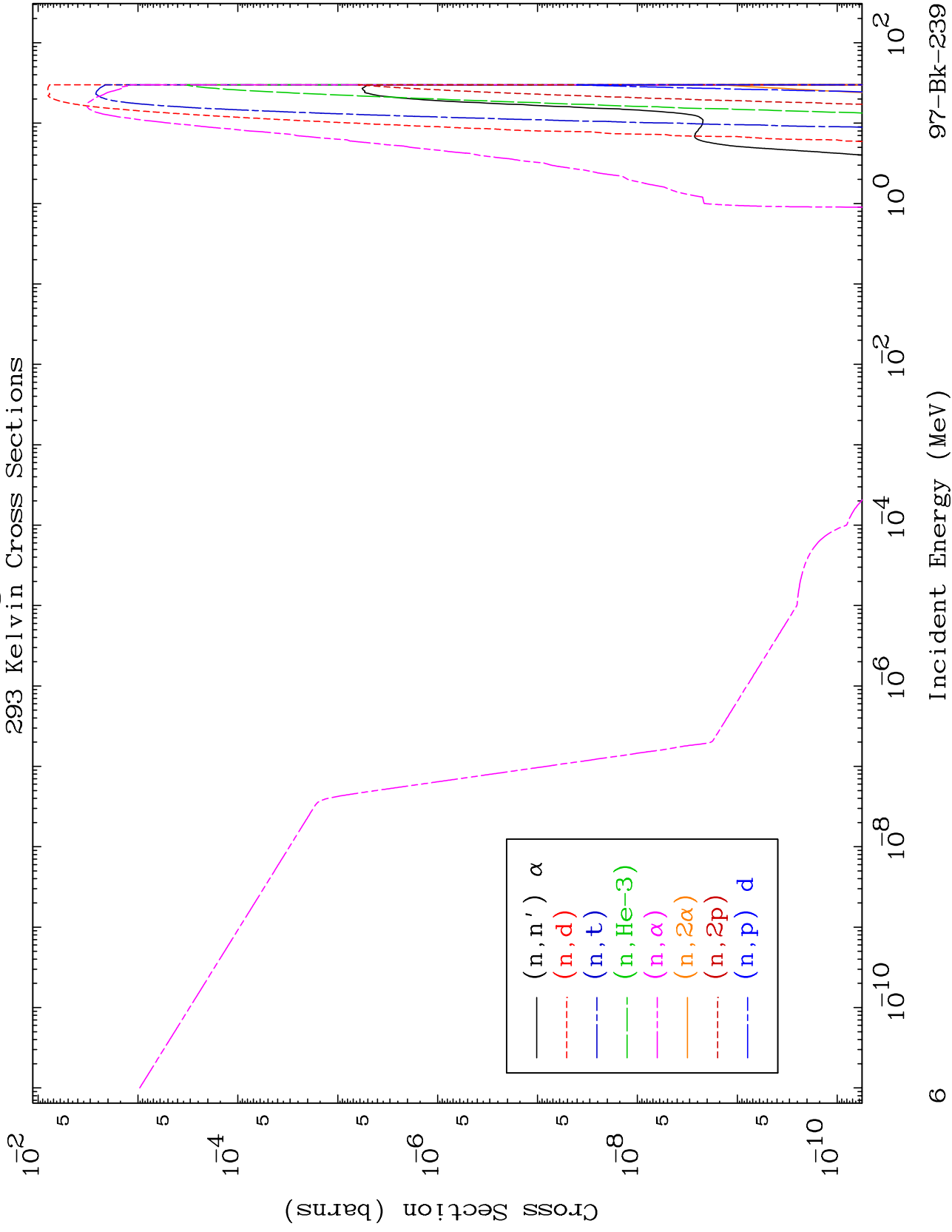
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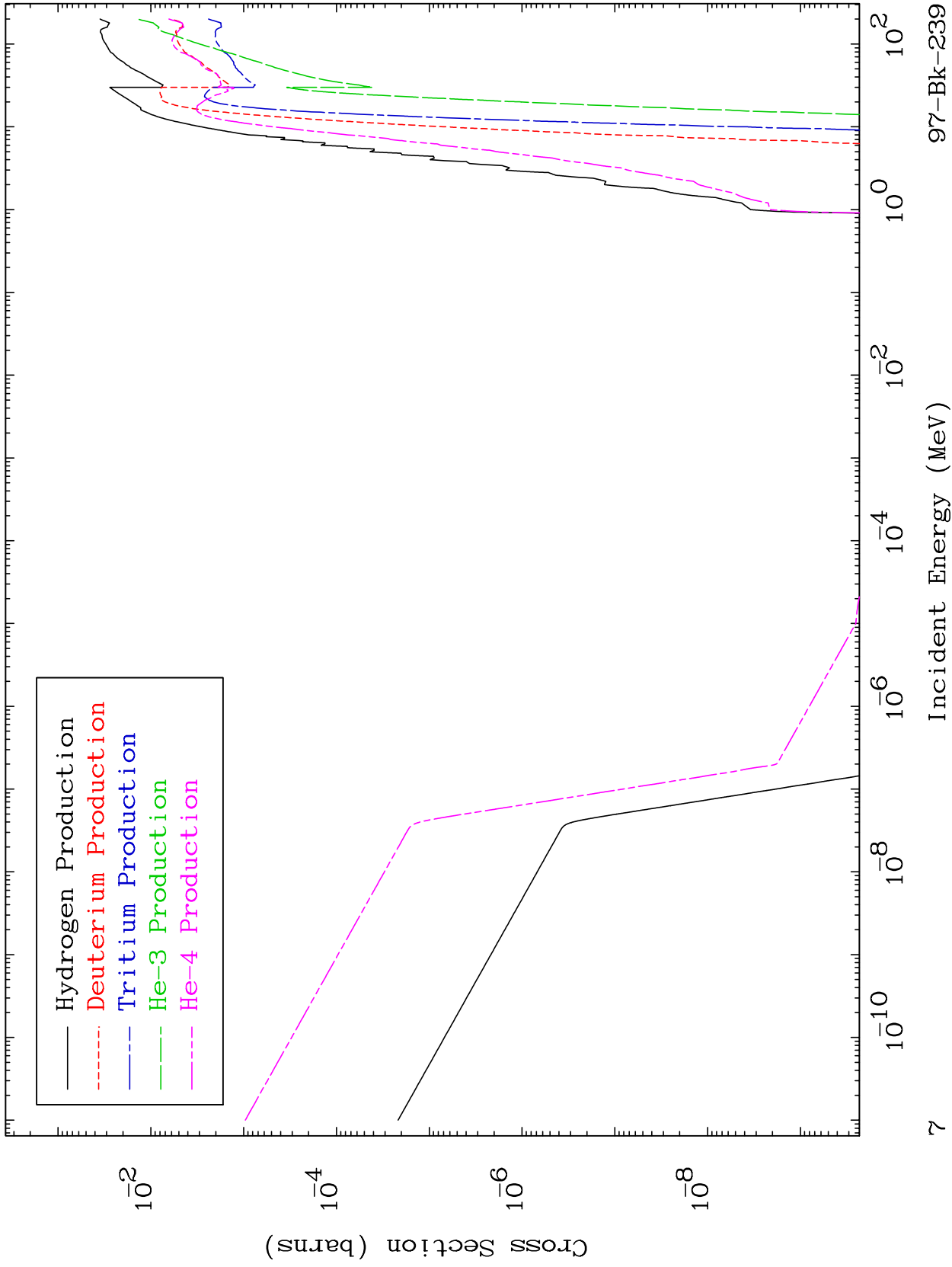


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Charged Particle
293 Kelvin Cross Sections

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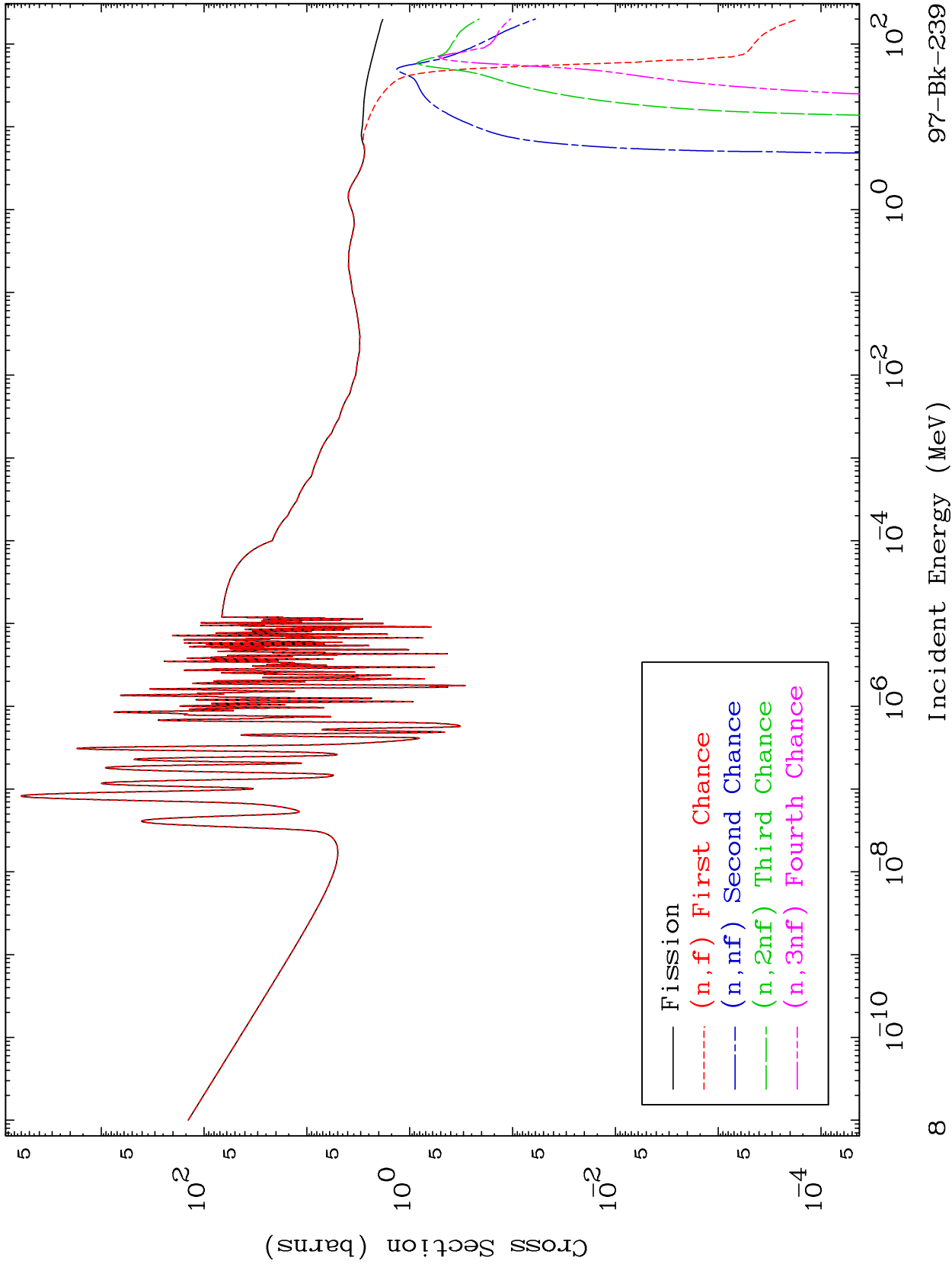


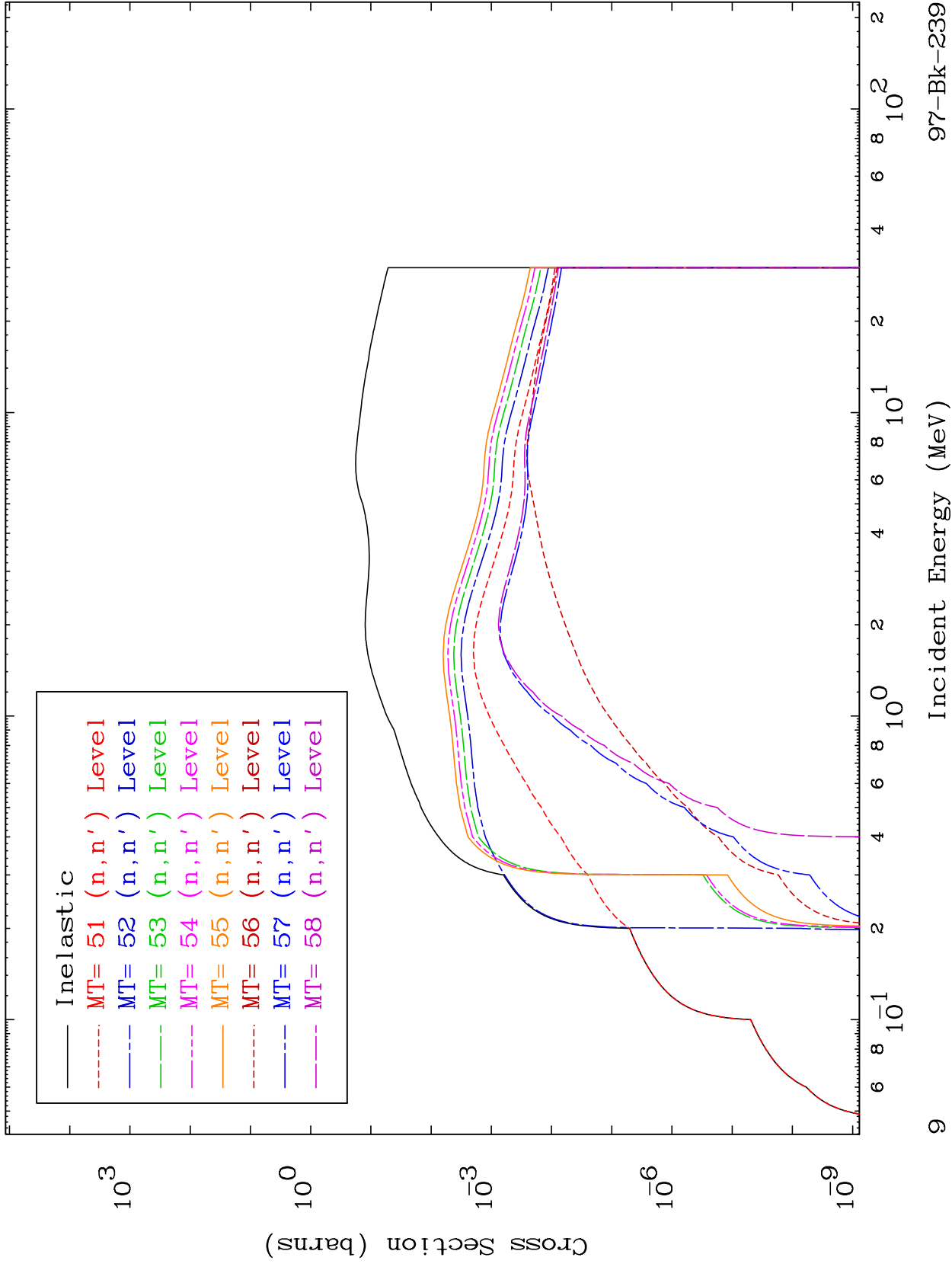


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Fission
293 Kelvin Cross Sections

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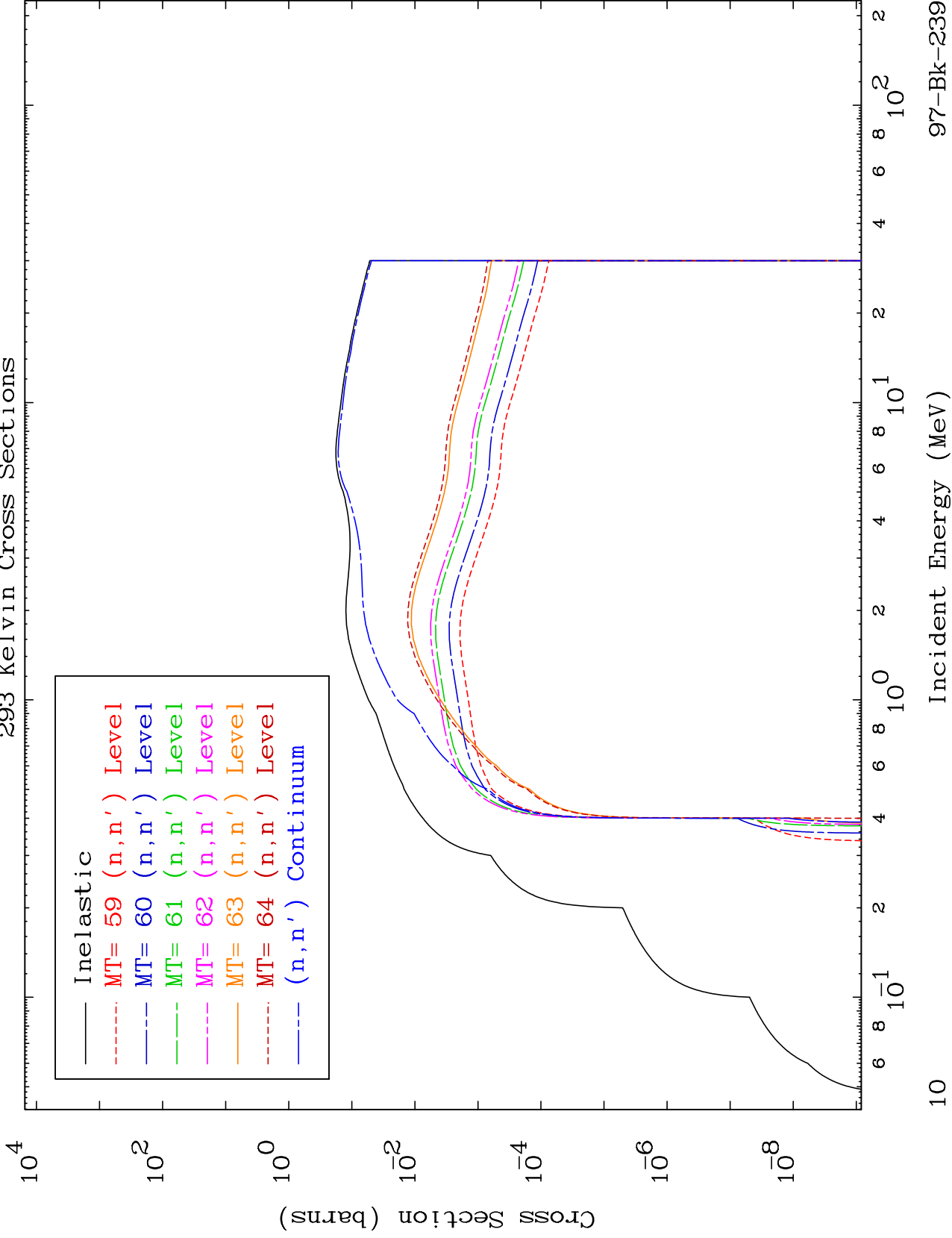




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293 Kelvin Cross Sections
(n,n') Levels

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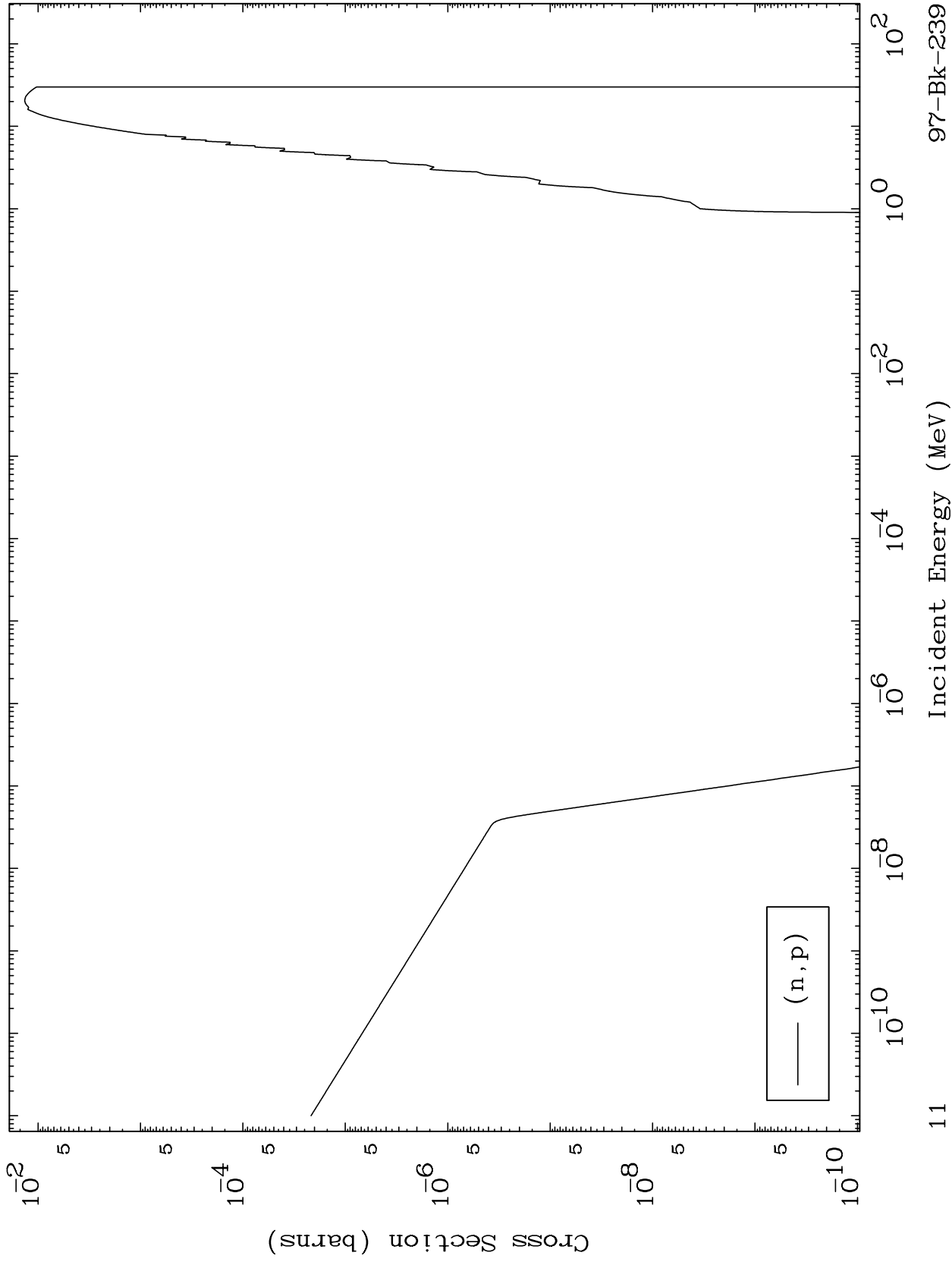
Incident Energy (MeV)

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(n,p) Levels
293 Kelvin Cross Sections

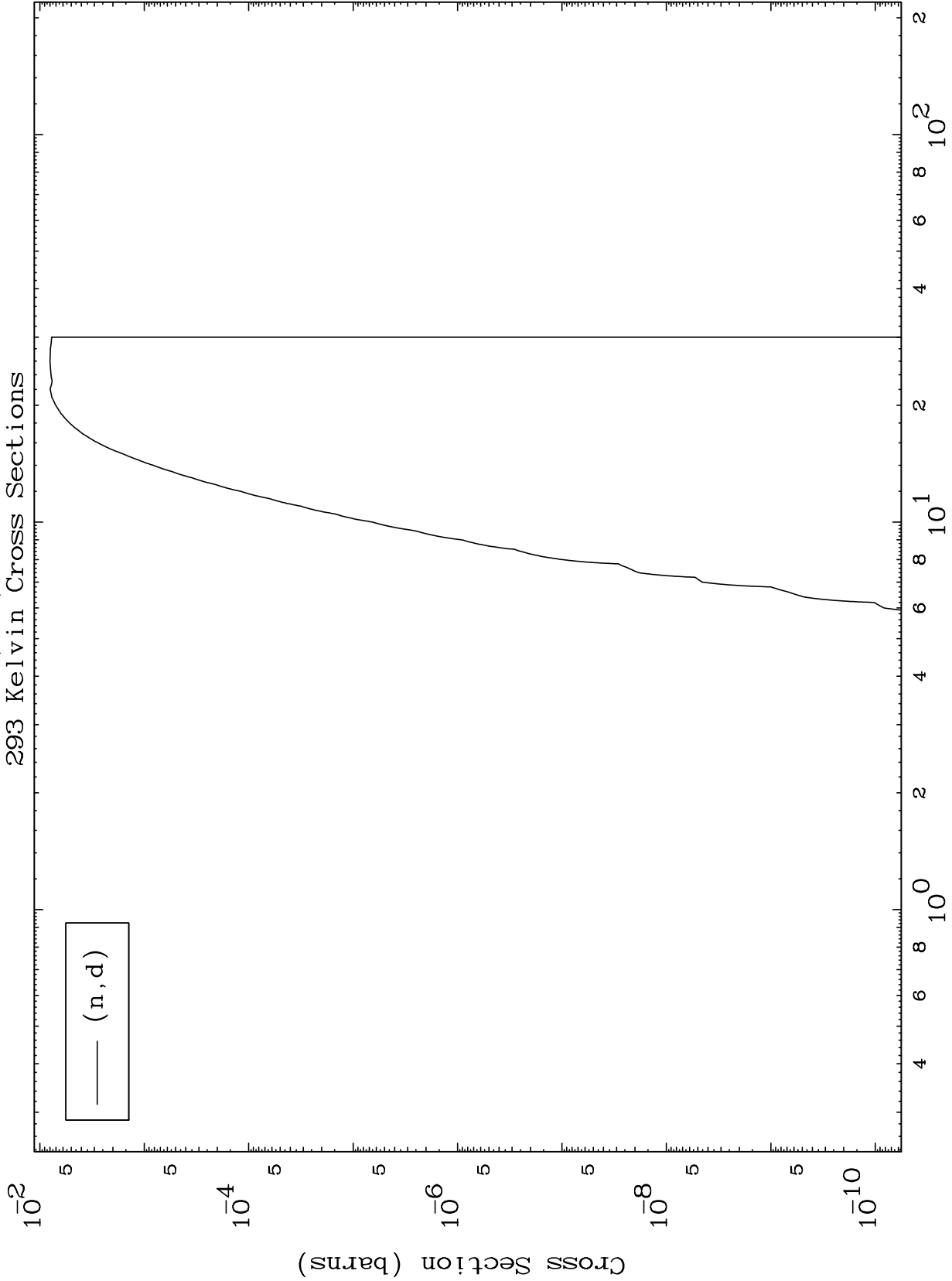
97-Bk-239



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(n,d) Levels

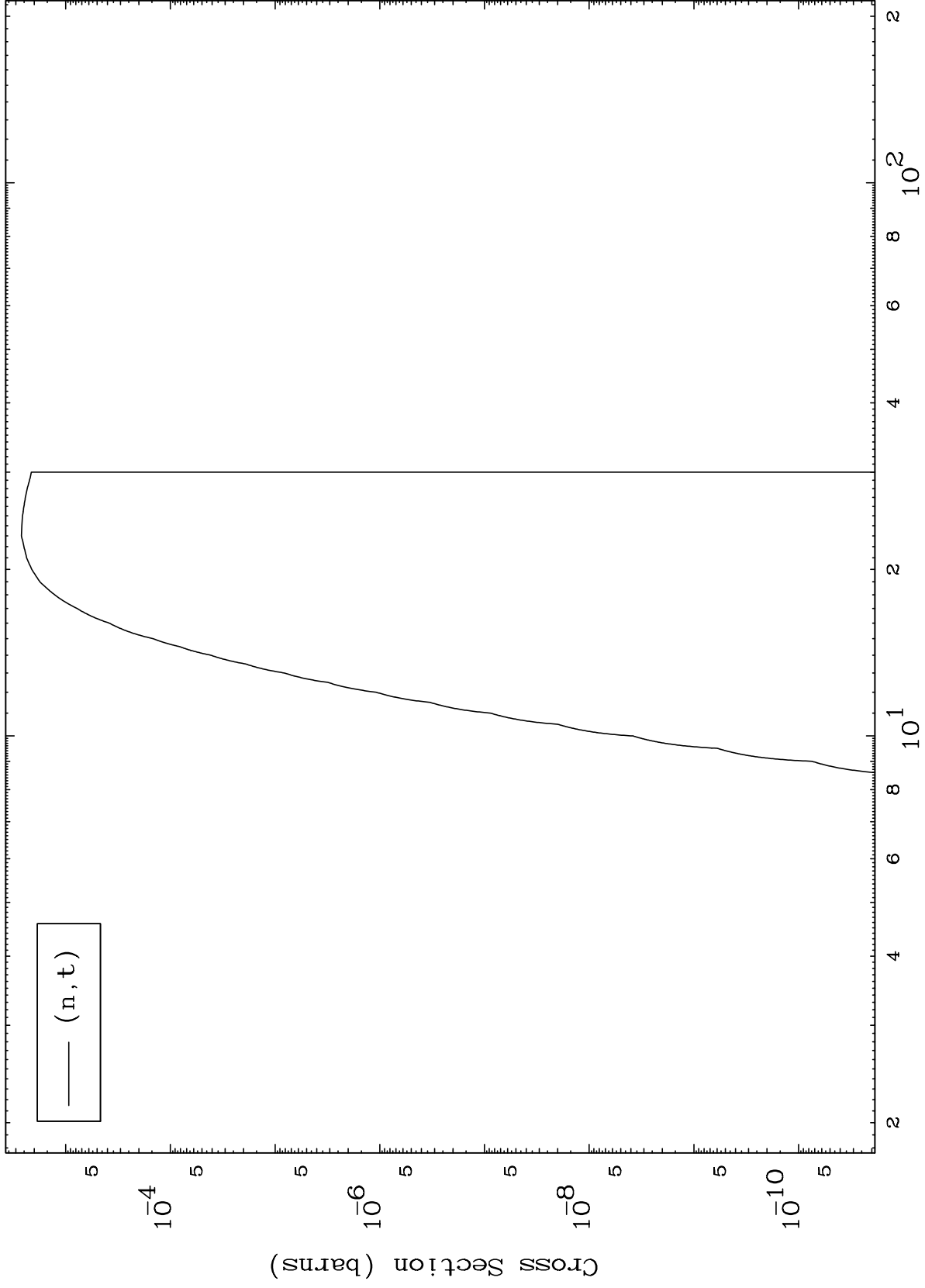
97-Bk-239



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(n,t) Levels
293 Kelvin Cross Sections

97-Bk-239



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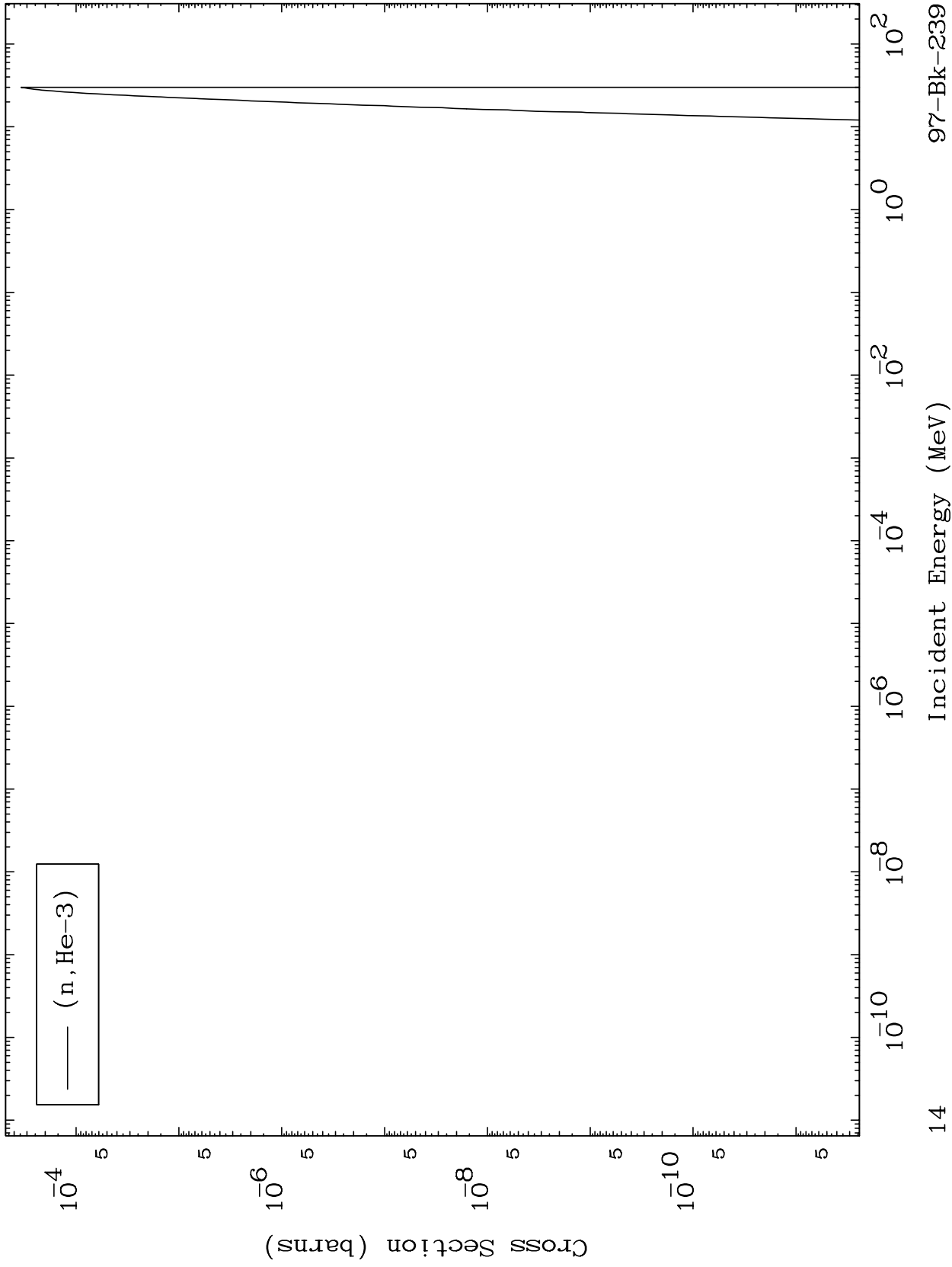
Incident Energy (MeV)

97-Bk-239

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(n,He3) Levels
293 Kelvin Cross Sections

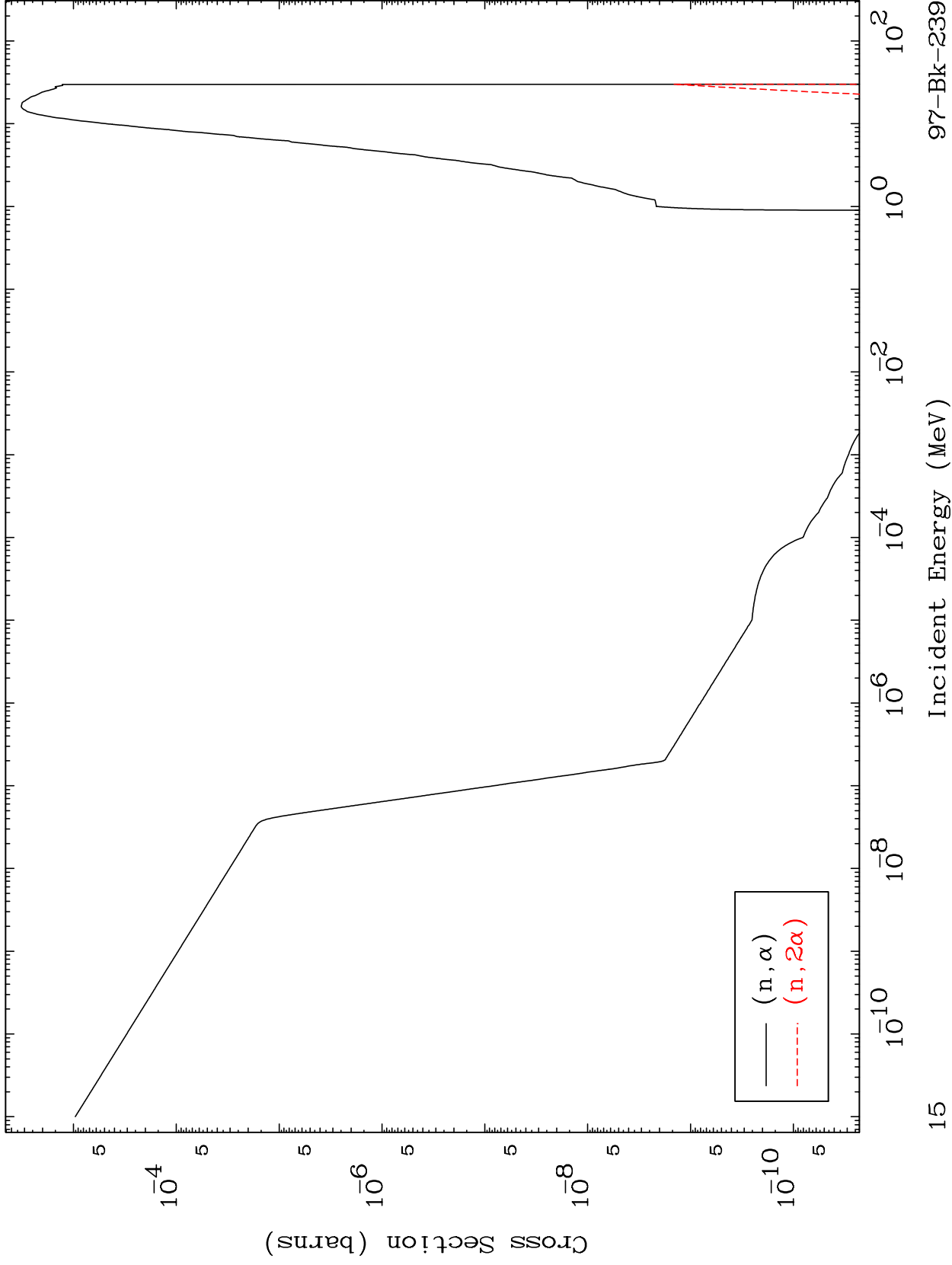
97-Bk-239



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(n, α) Levels
293 Kelvin Cross Sections

97-Bk-239

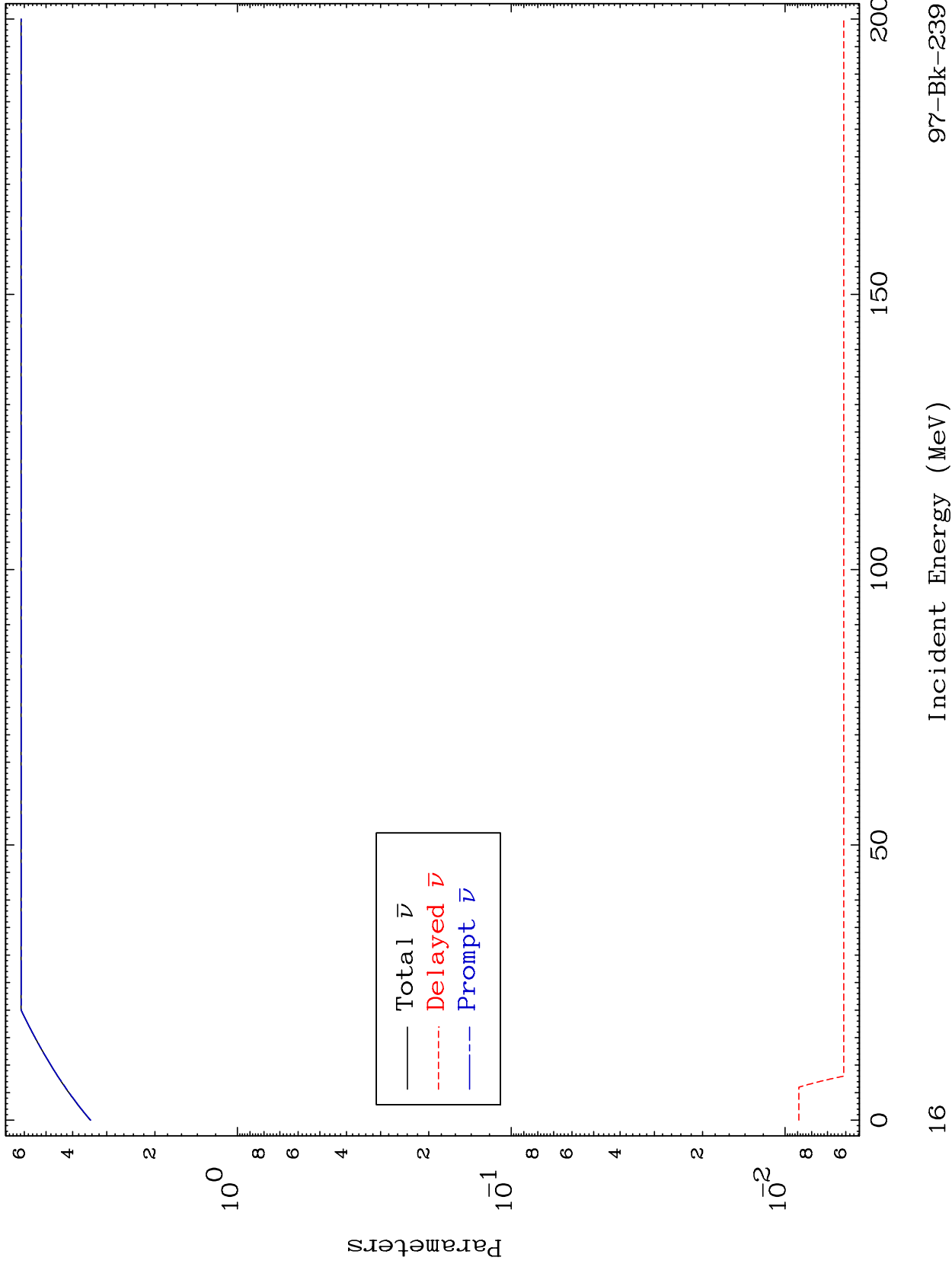


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Energy Release
Parameters

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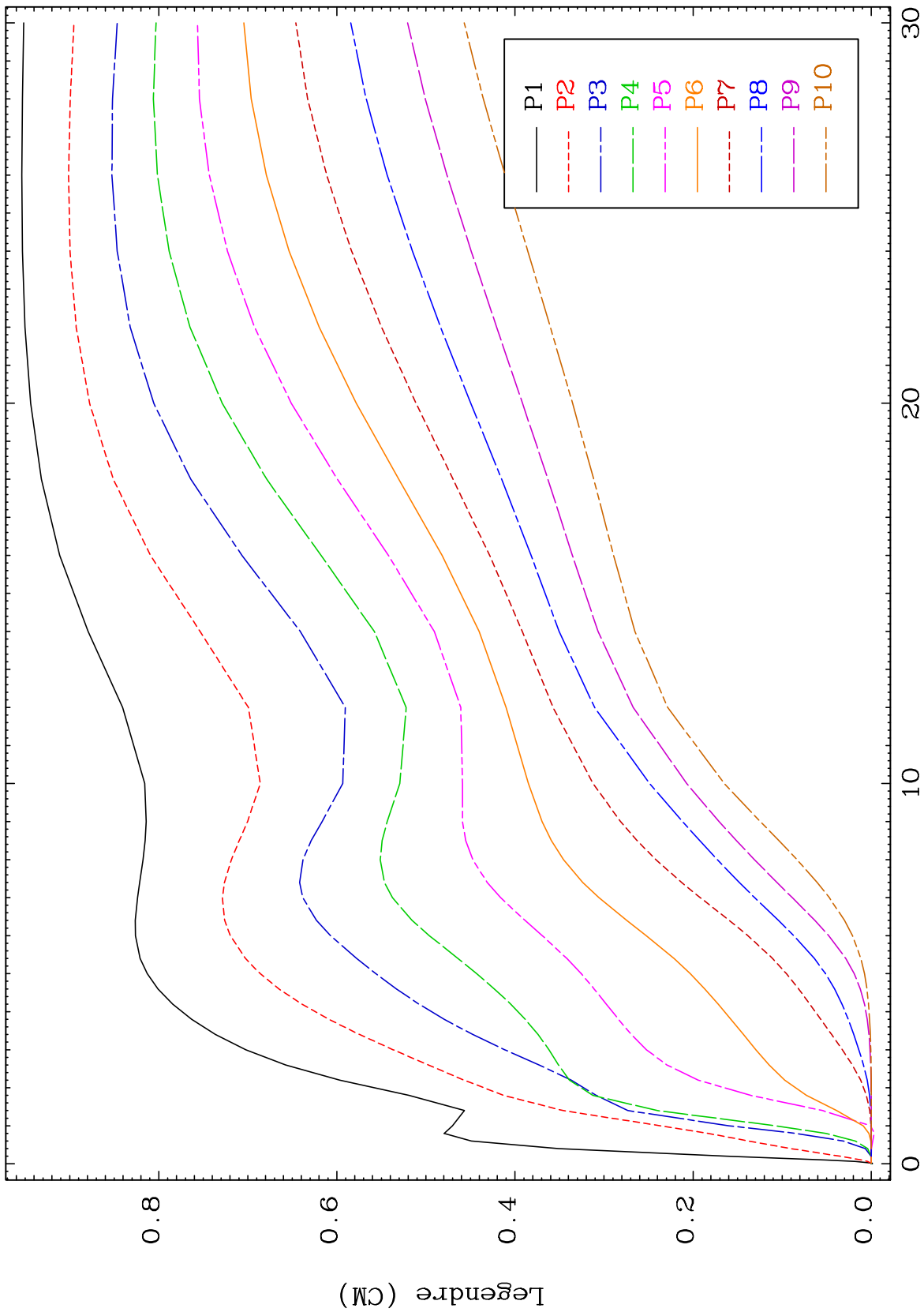
Incident Energy (MeV)

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97-Bk-239

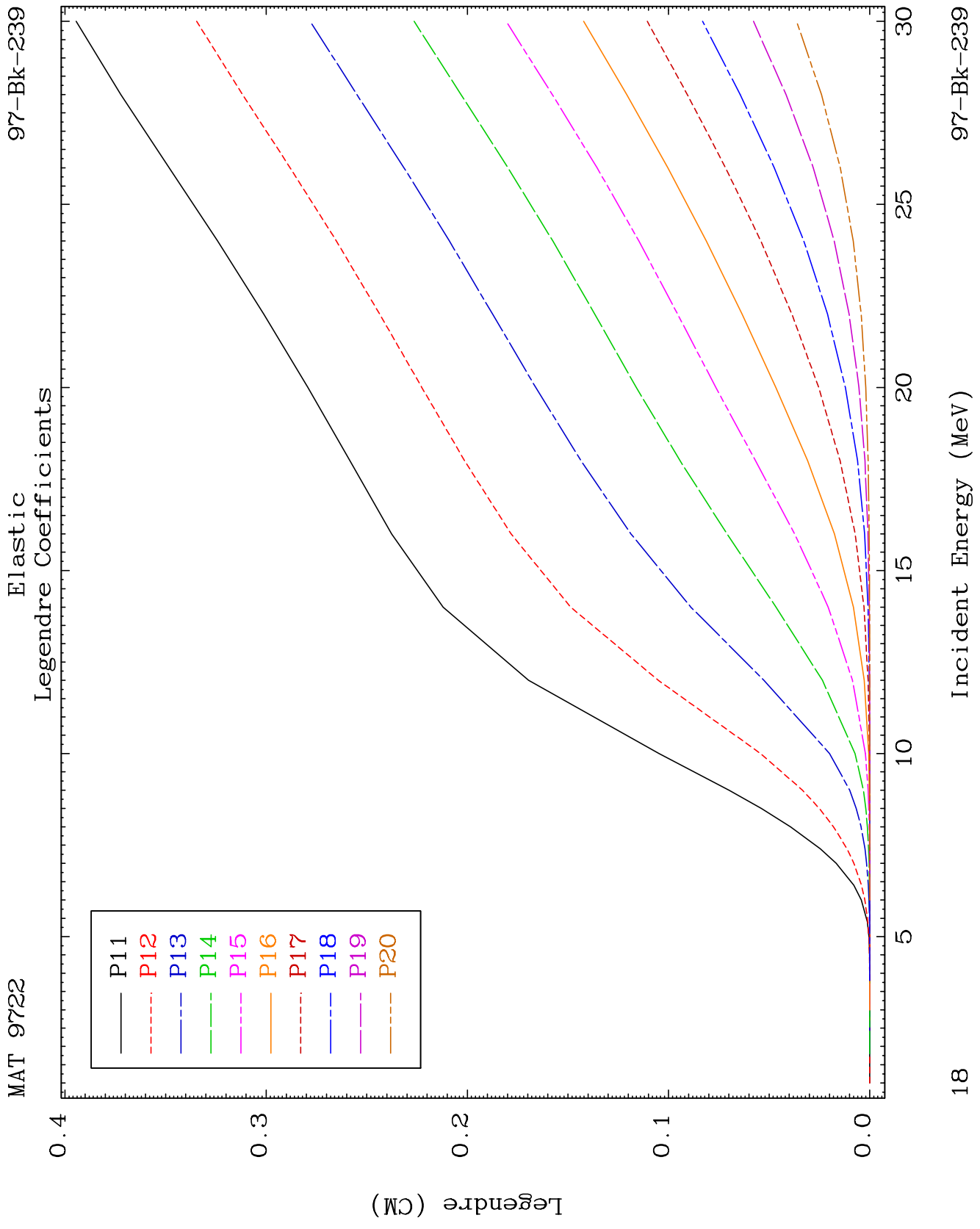
Elastic Legendre Coefficients



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Incident Energy (MeV)

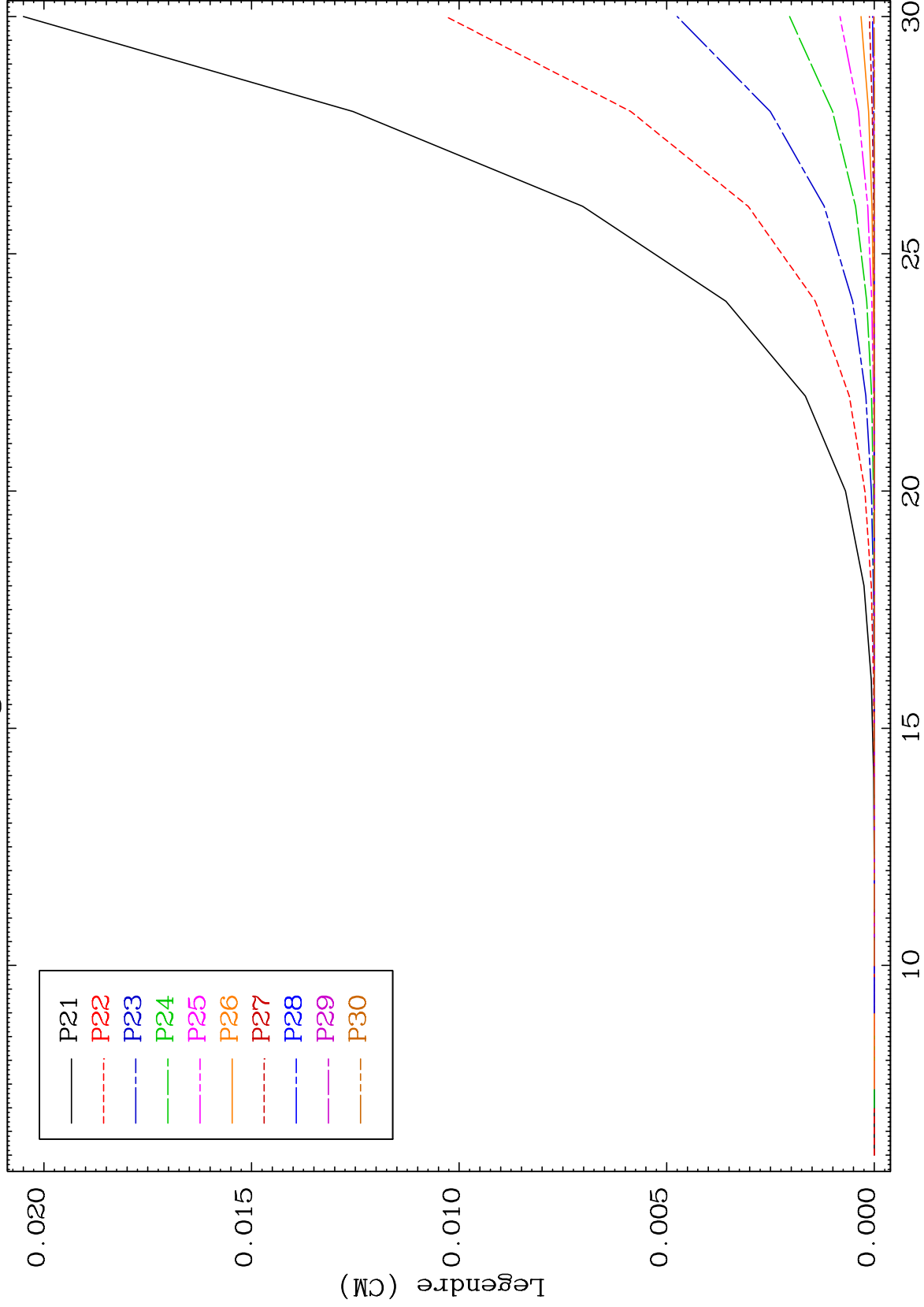
97-Bk-239



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Elastic Legendre Coefficients

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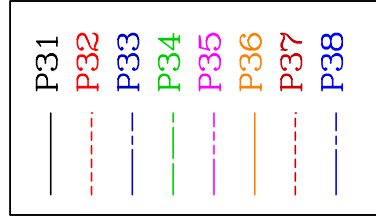
Incident Energy (MeV)

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Elastic
Legendre Coefficients

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$\times 10^{-6}$

Legendre (CM)

1.2

1.0

0.8

0.6

0.4

0.2

0.0

18

20

22

24

26

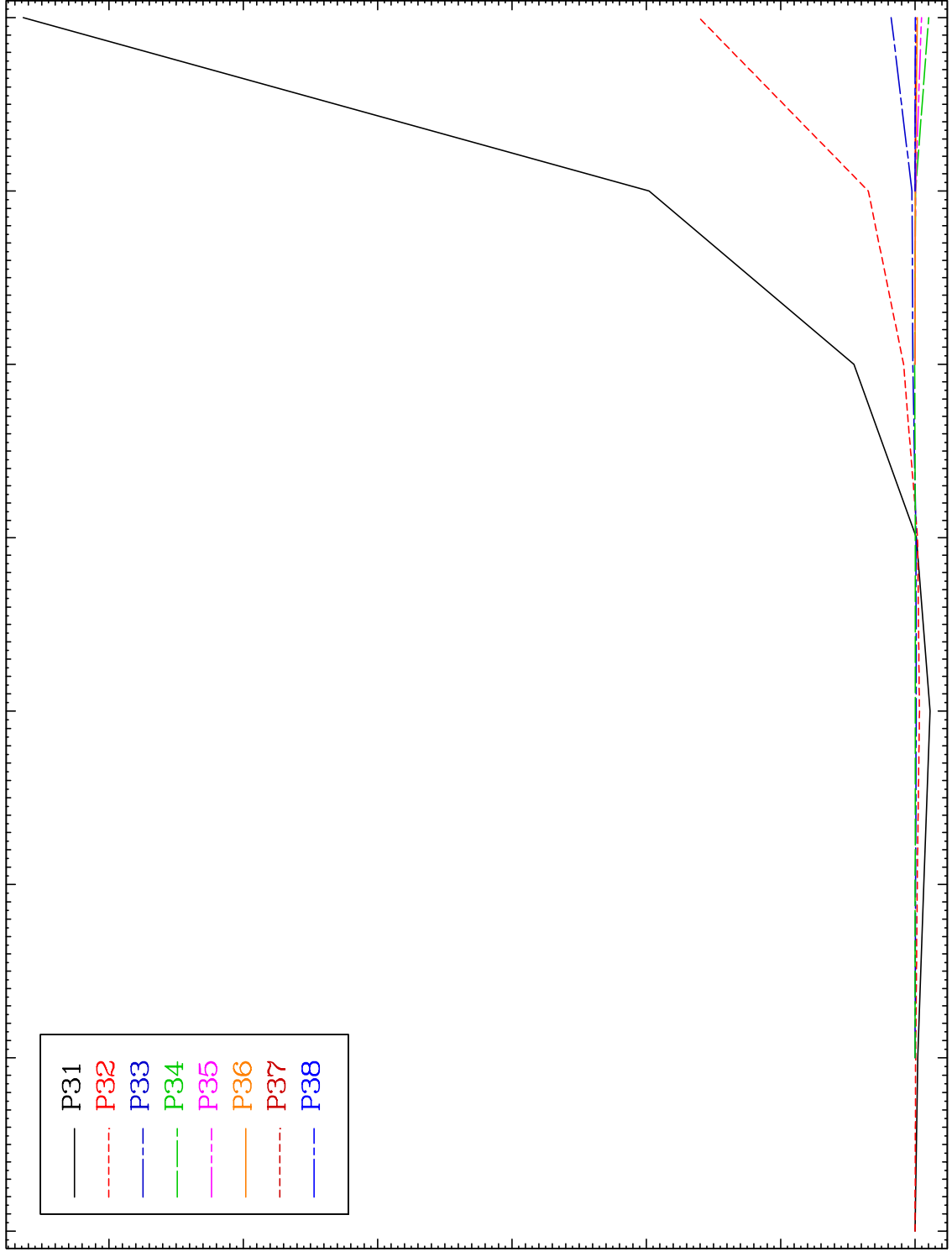
28

30

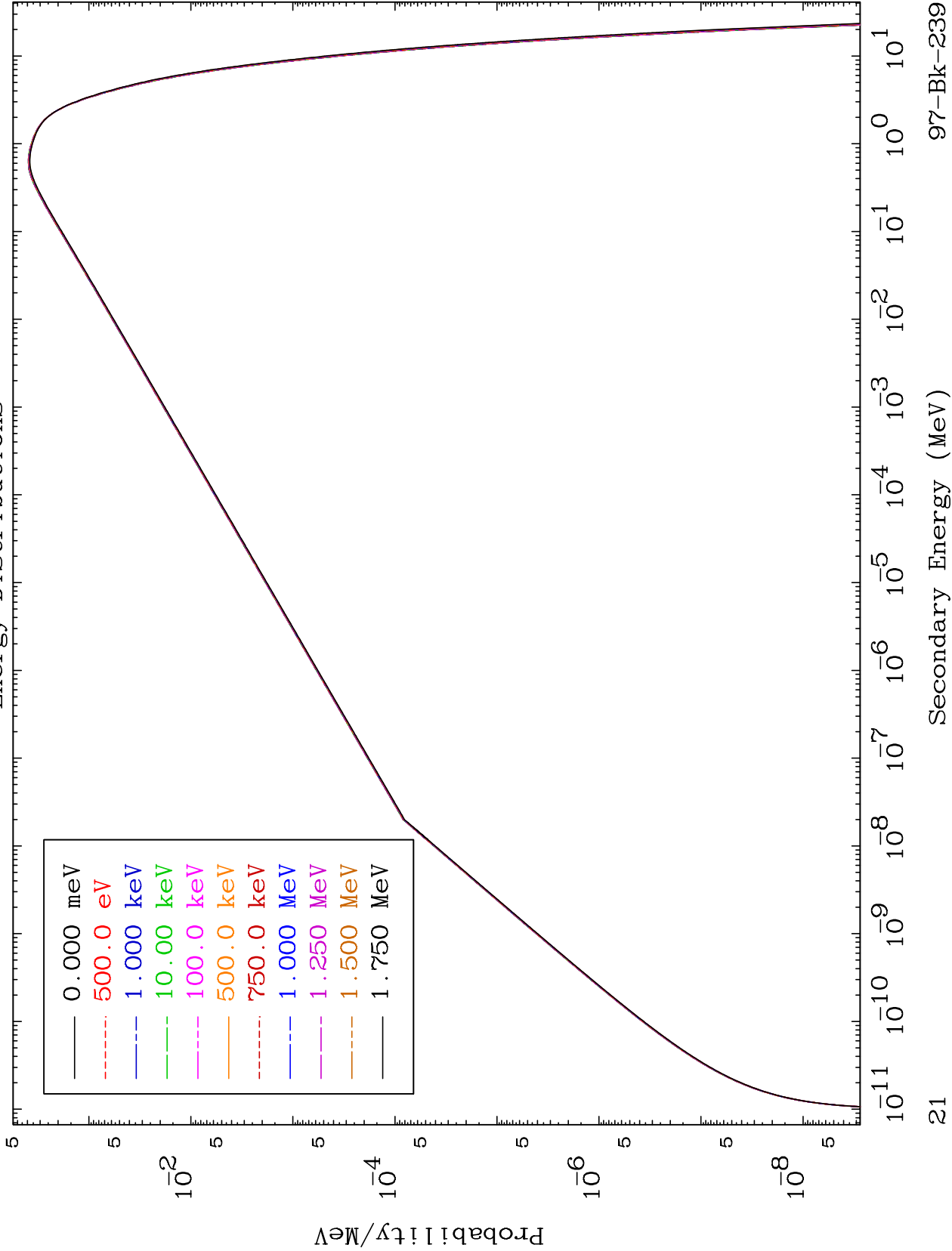
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Incident Energy (MeV)

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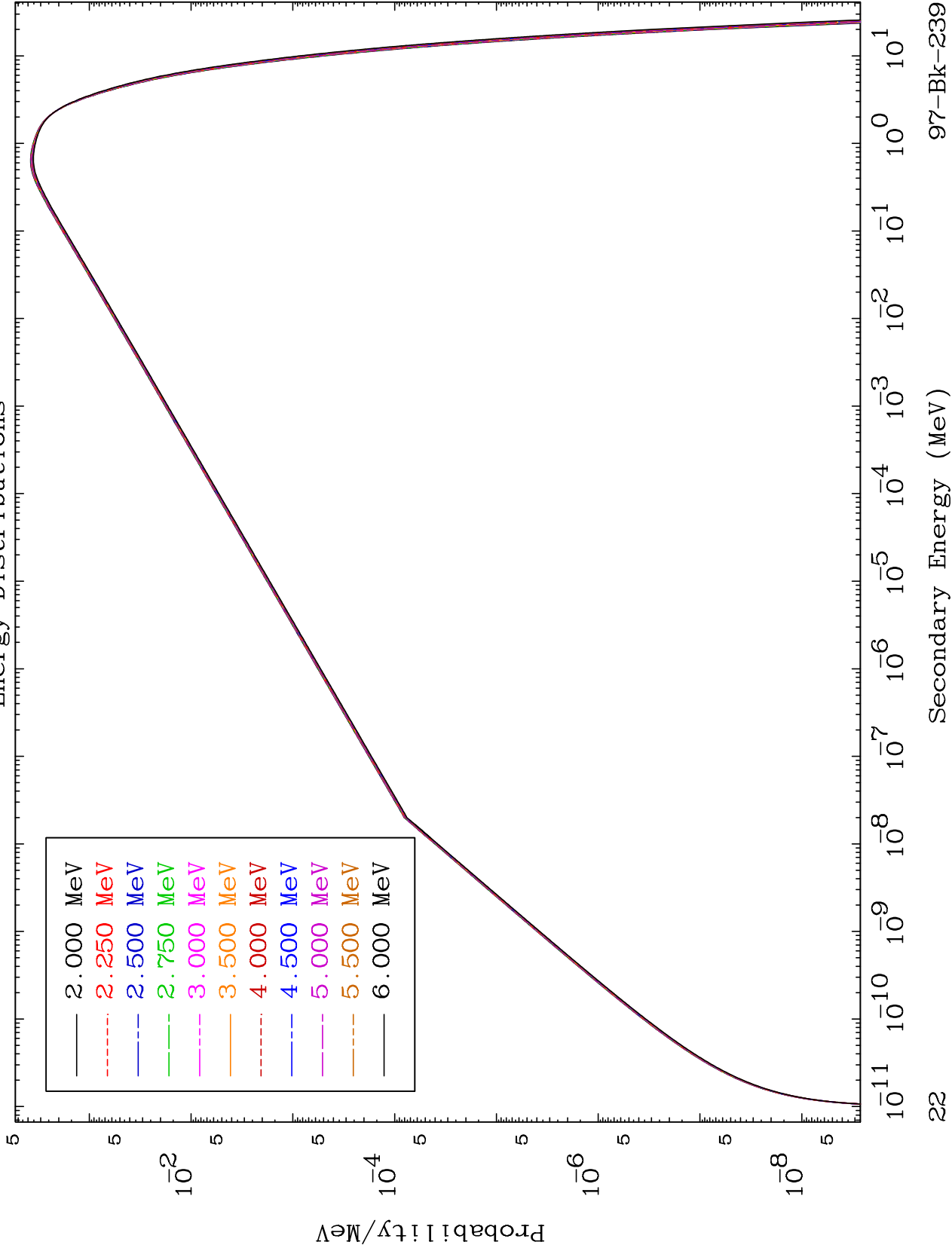
Fission Energy Distributions



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Fission Energy Distributions

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97-Bk-239

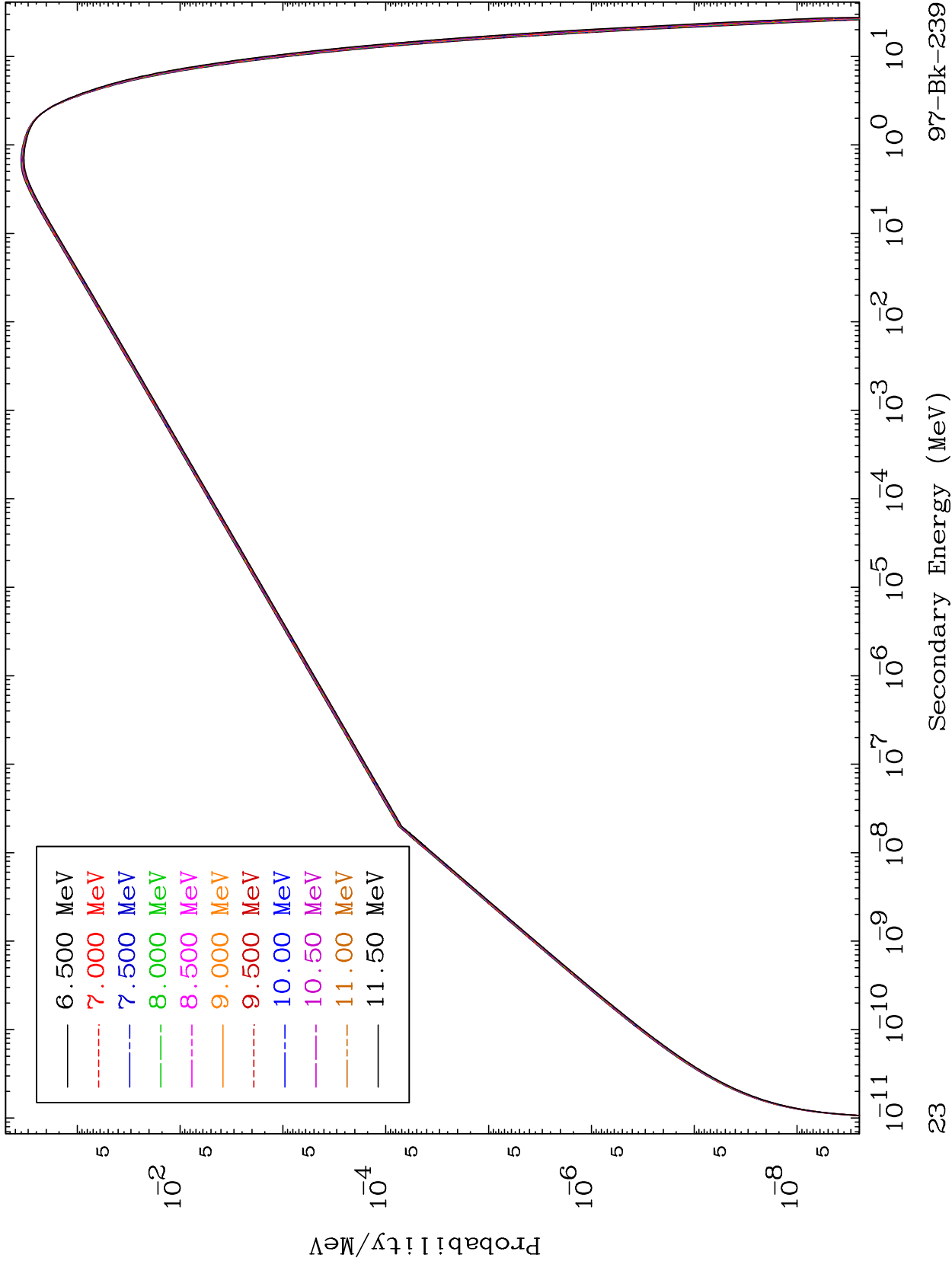
Secondary Energy (MeV)

22

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Fission Energy Distributions

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97-Bk-239

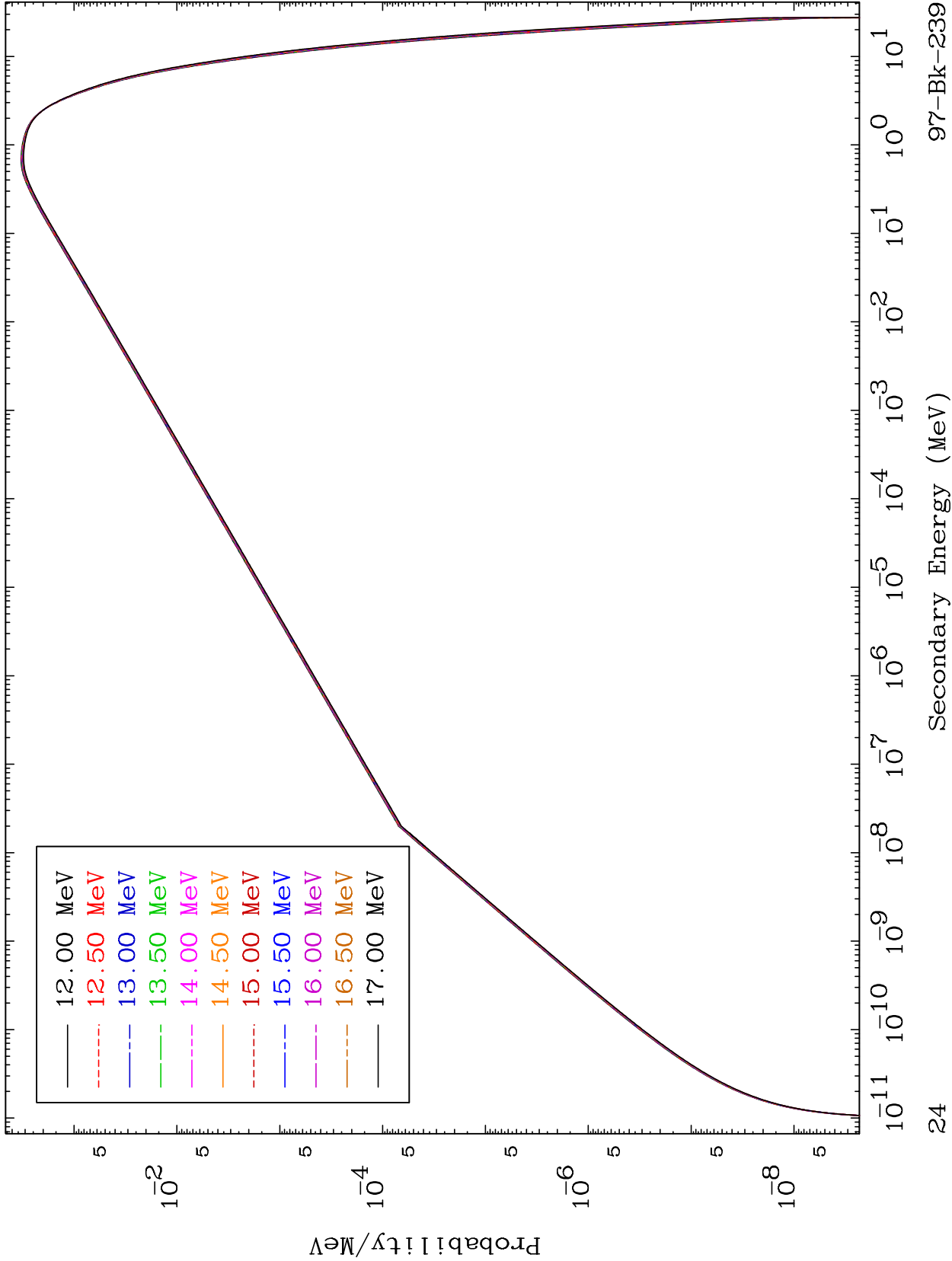
Secondary Energy (MeV)

23

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Fission Energy Distributions

97-Bk-239



97-Bk-239

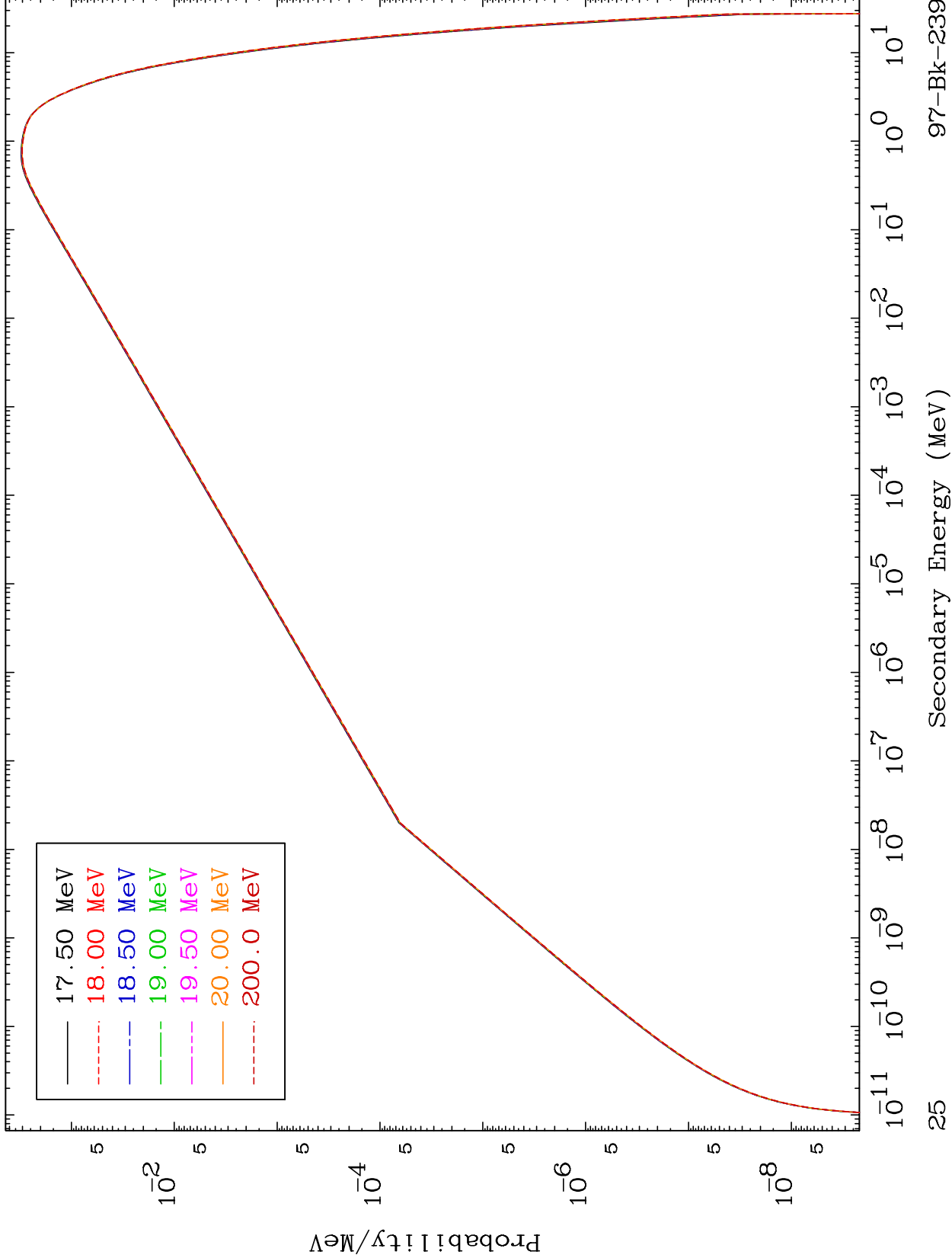
Secondary Energy (MeV)

24

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Fission Energy Distributions

97-Bk-239

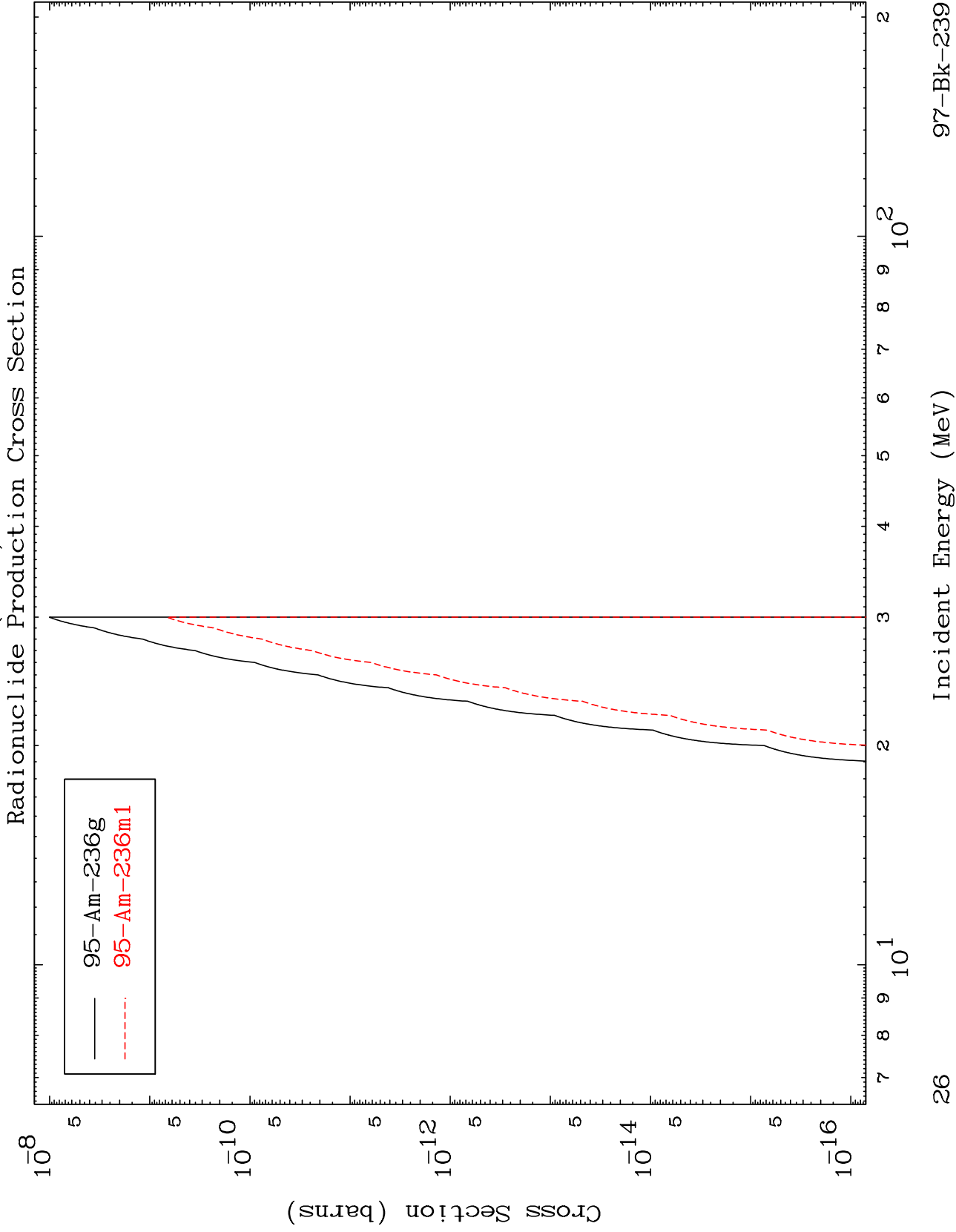


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(n,n') He-3

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Radionuclide Production Cross Section
(n, α)

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