

Program EVALPLOT  
(Version 2021-1)

by

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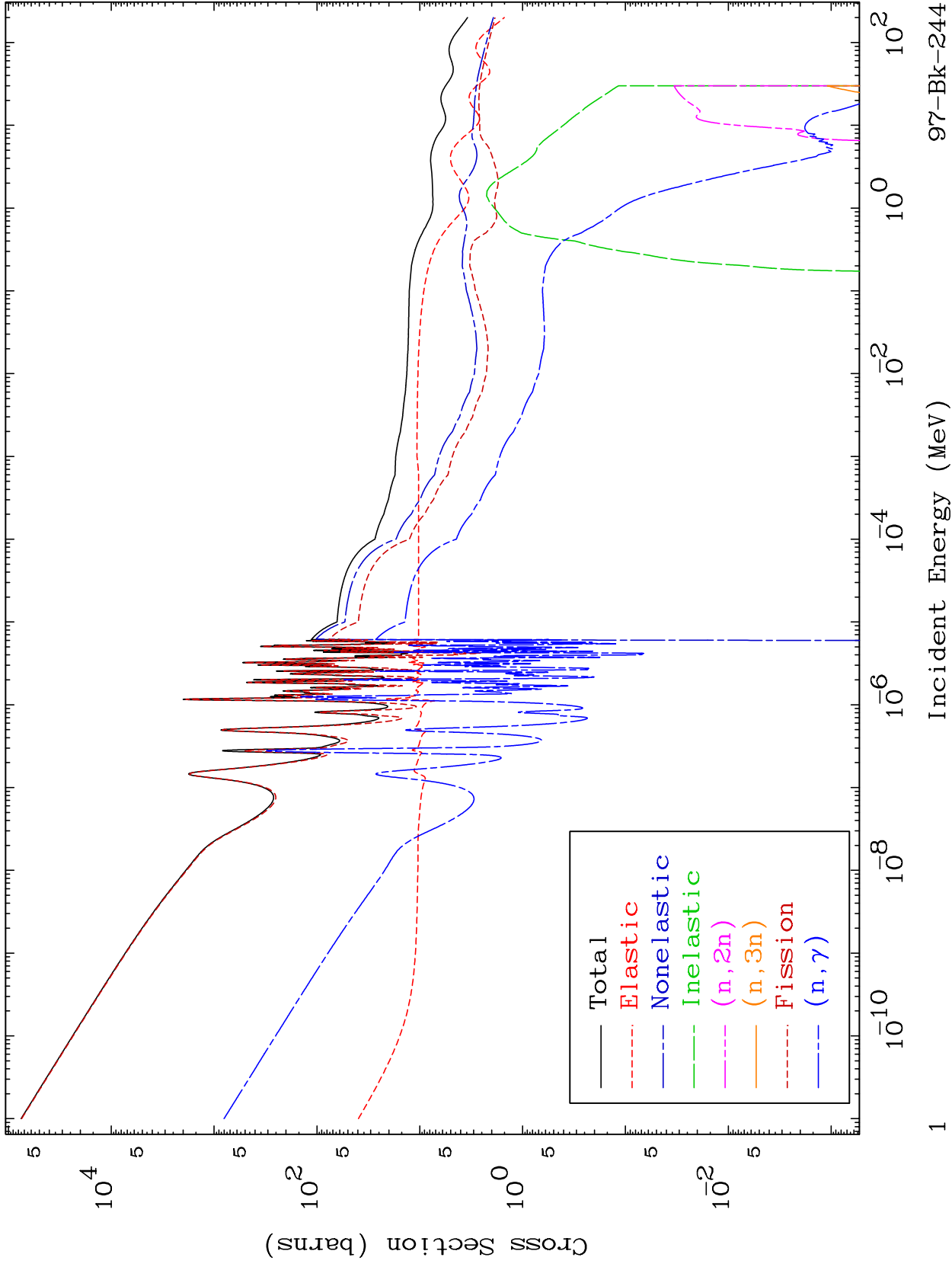
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 9737

Neutron Major  
293 Kelvin Cross Sections

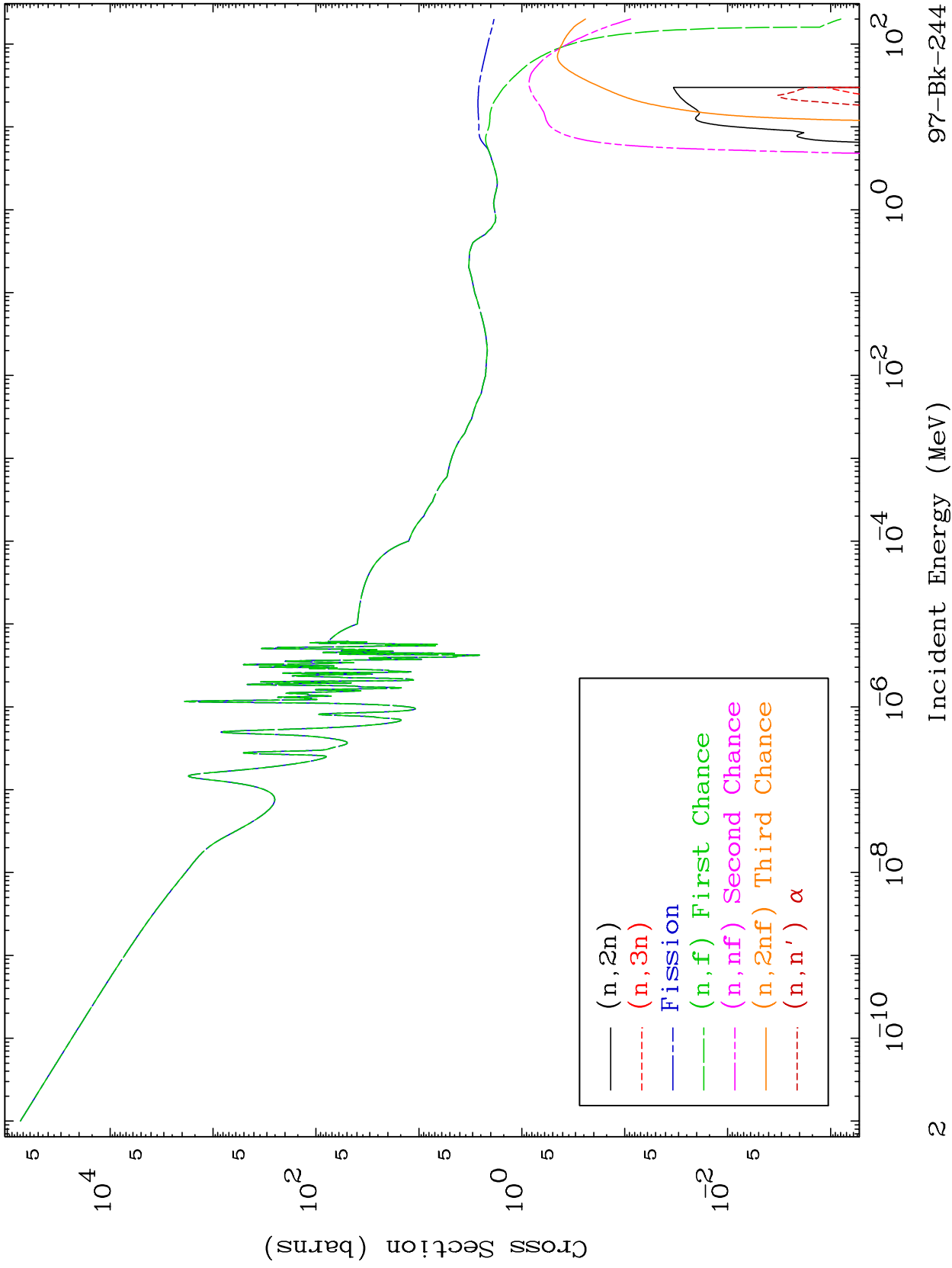
97-Bk-244

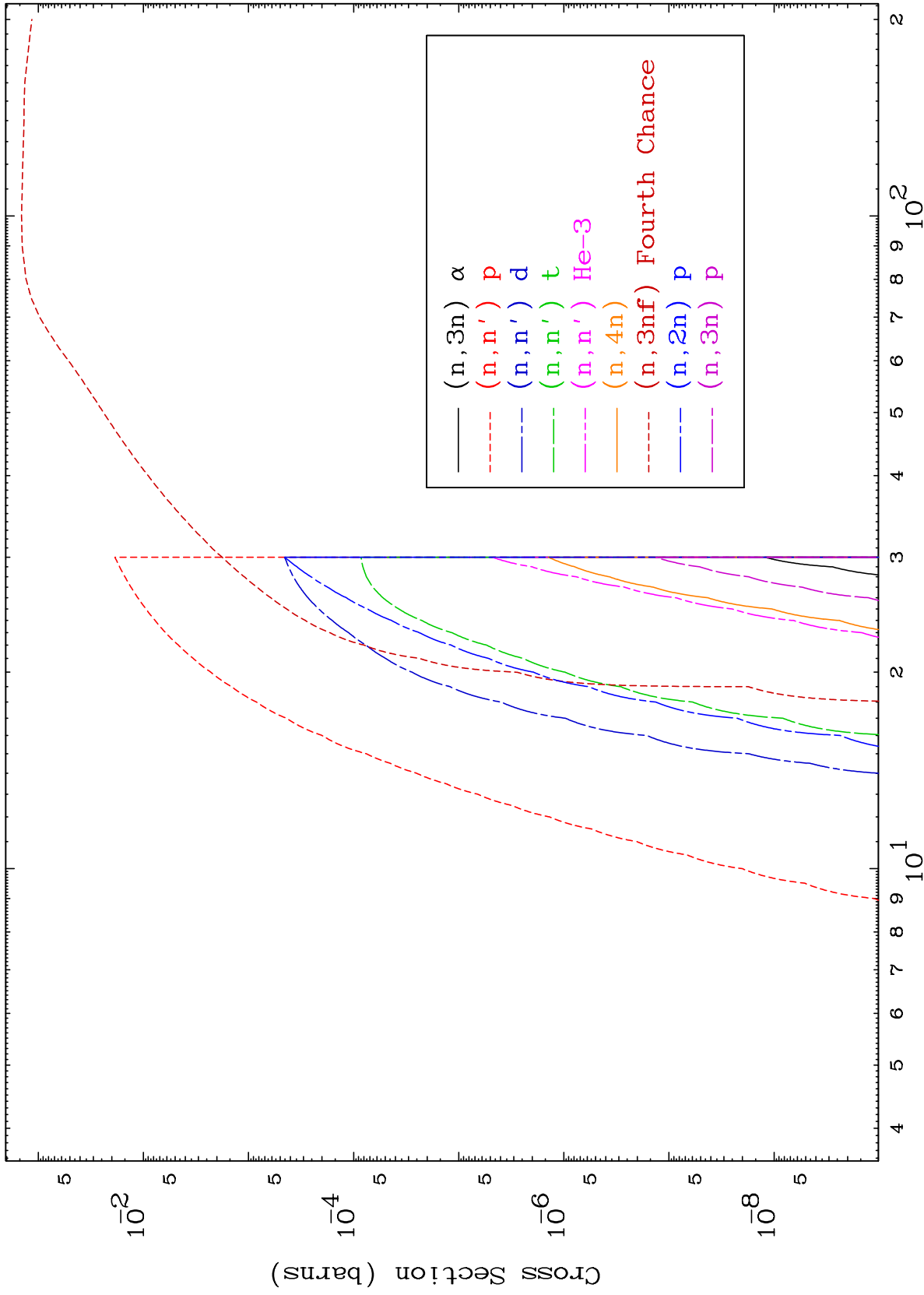


MAT 9737

Neutron Absorption  
293 Kelvin Cross Sections

97-Bk-244

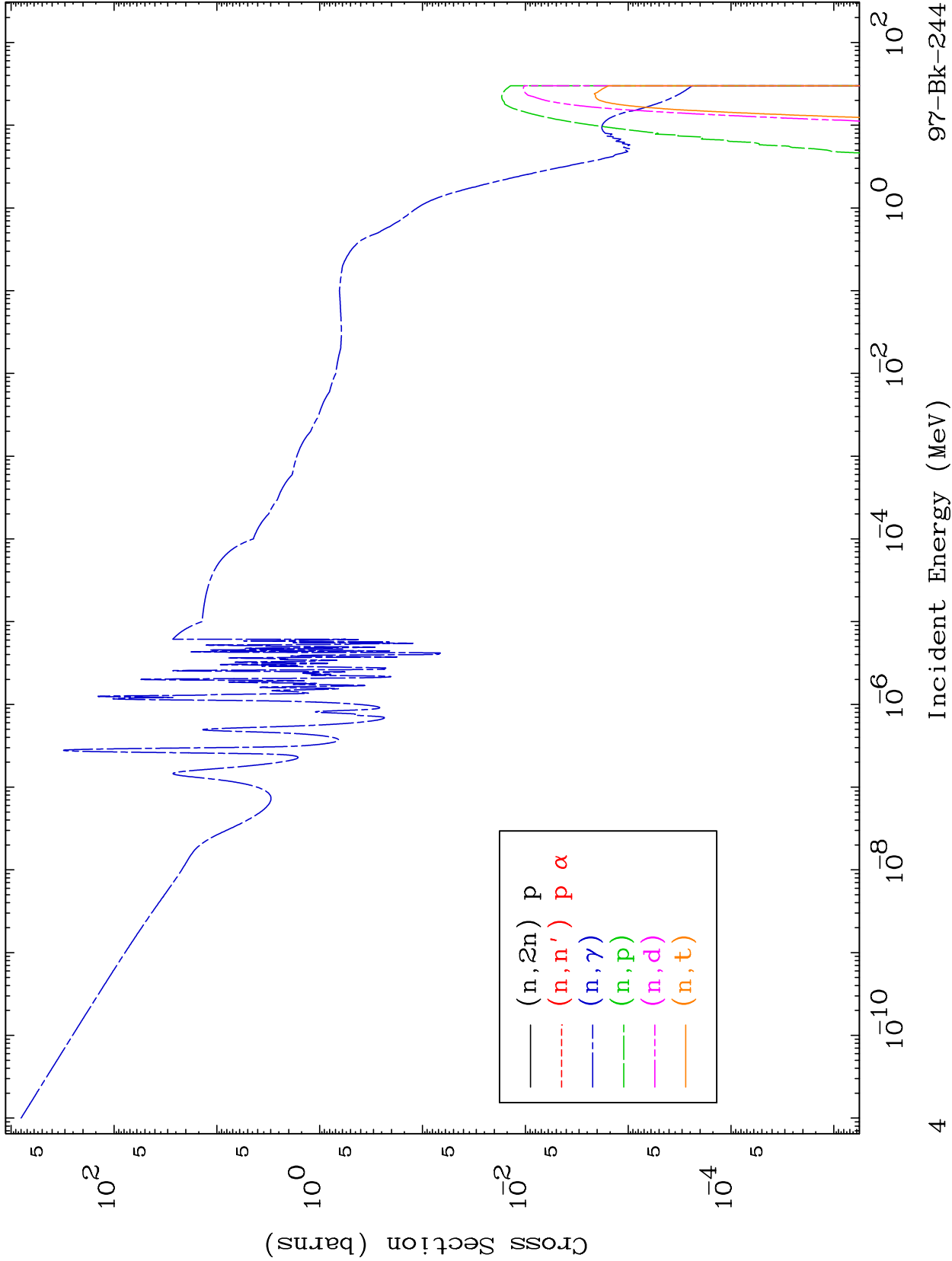




MAT 9737

Neutron Absorption  
293 Kelvin Cross Sections

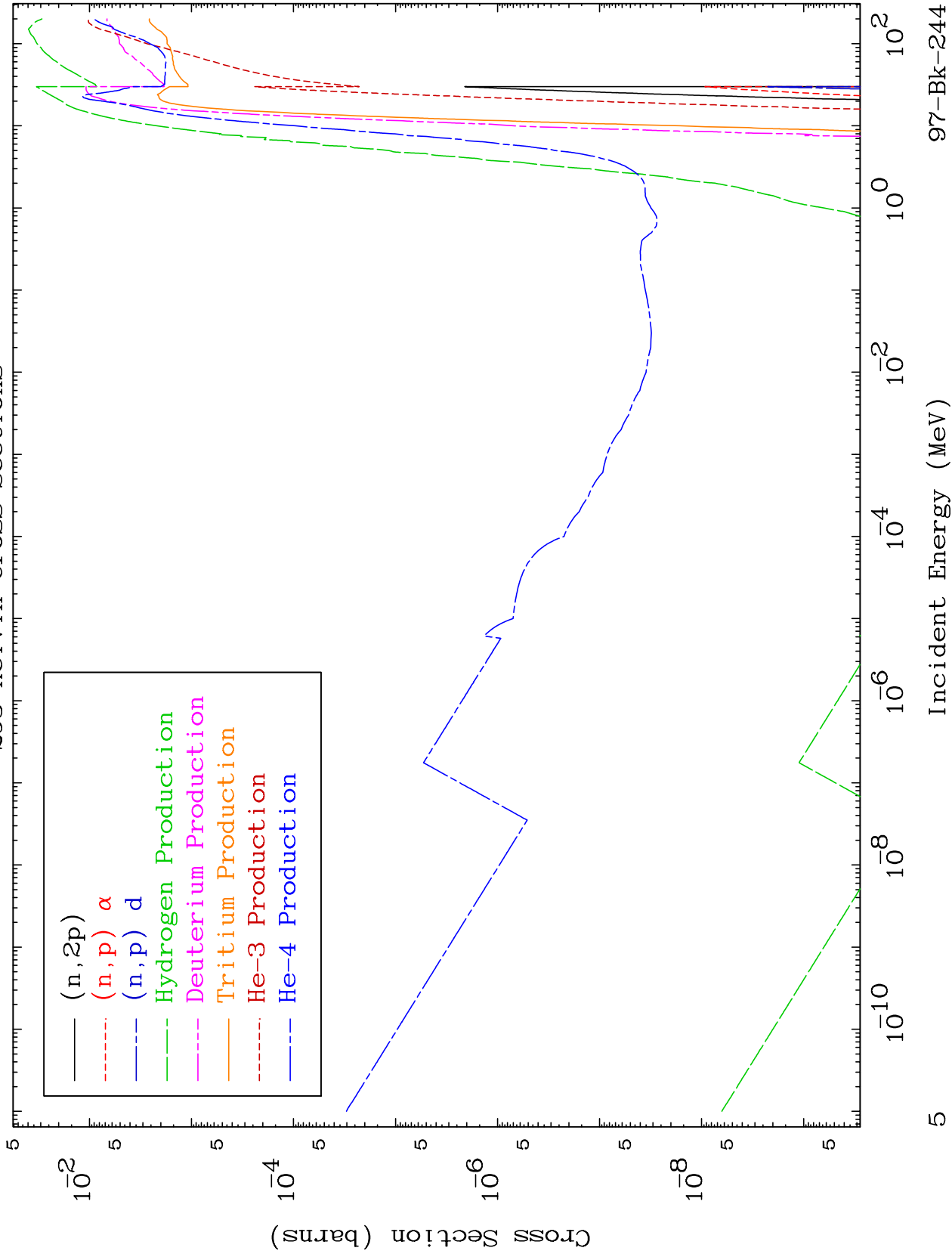
97-Bk-244



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Neutron Absorption  
293 Kelvin Cross Sections

97-Bk-244

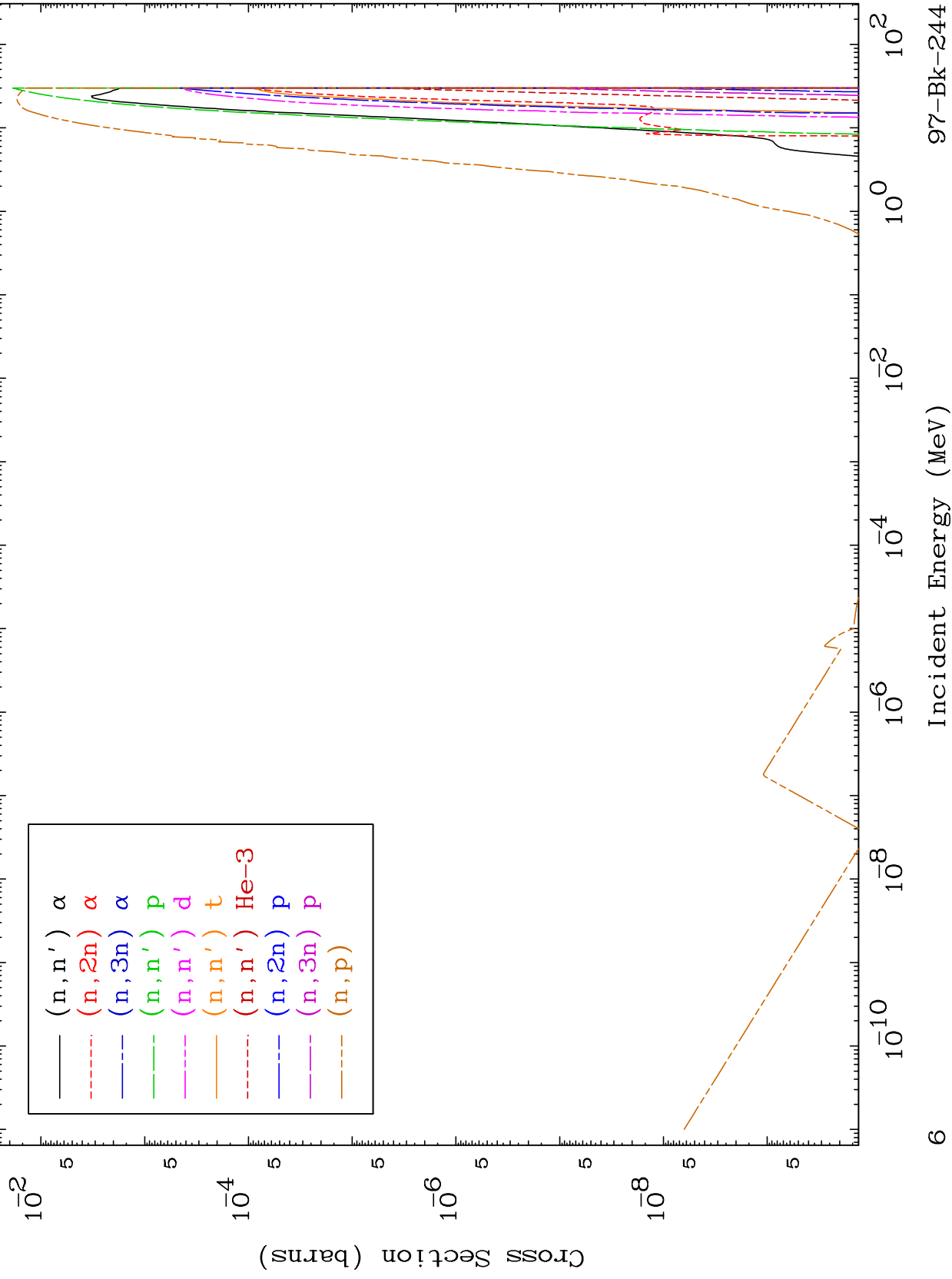


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MAT 9737

Charged Particle  
293 Kelvin Cross Sections

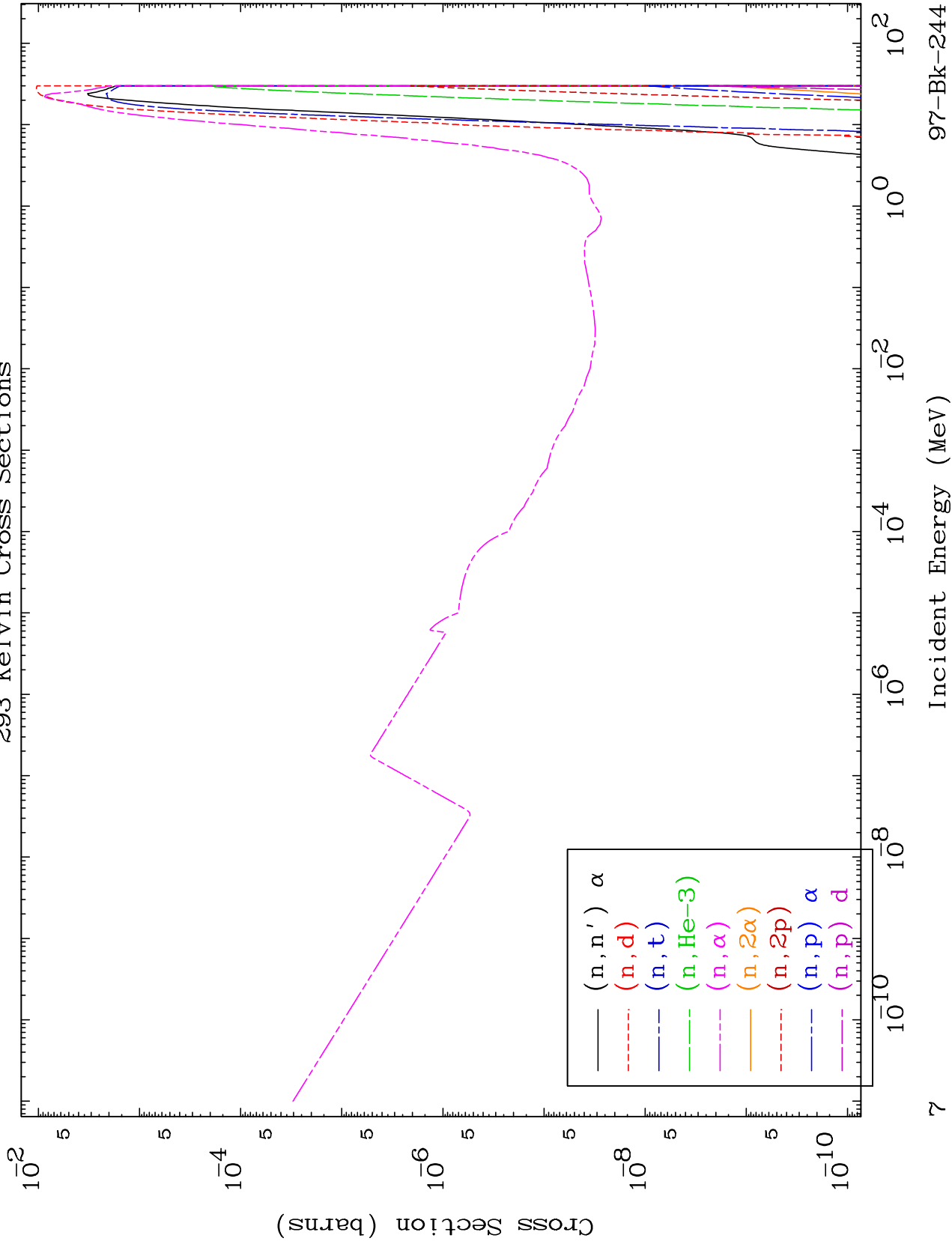
97-Bk-244



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Charged Particle  
293 Kelvin Cross Sections

97-Bk-244

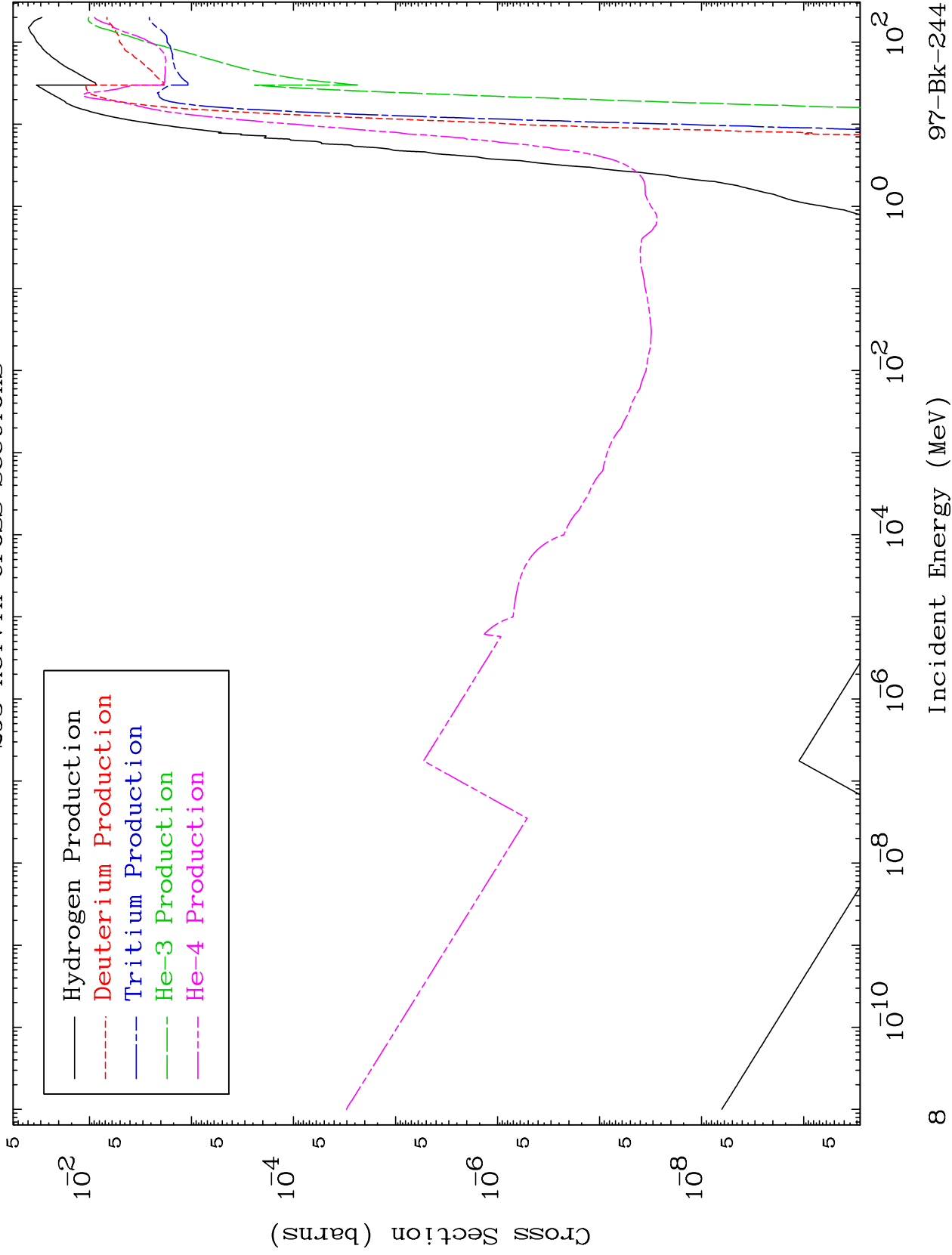




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Particle Production  
293 Kelvin Cross Sections

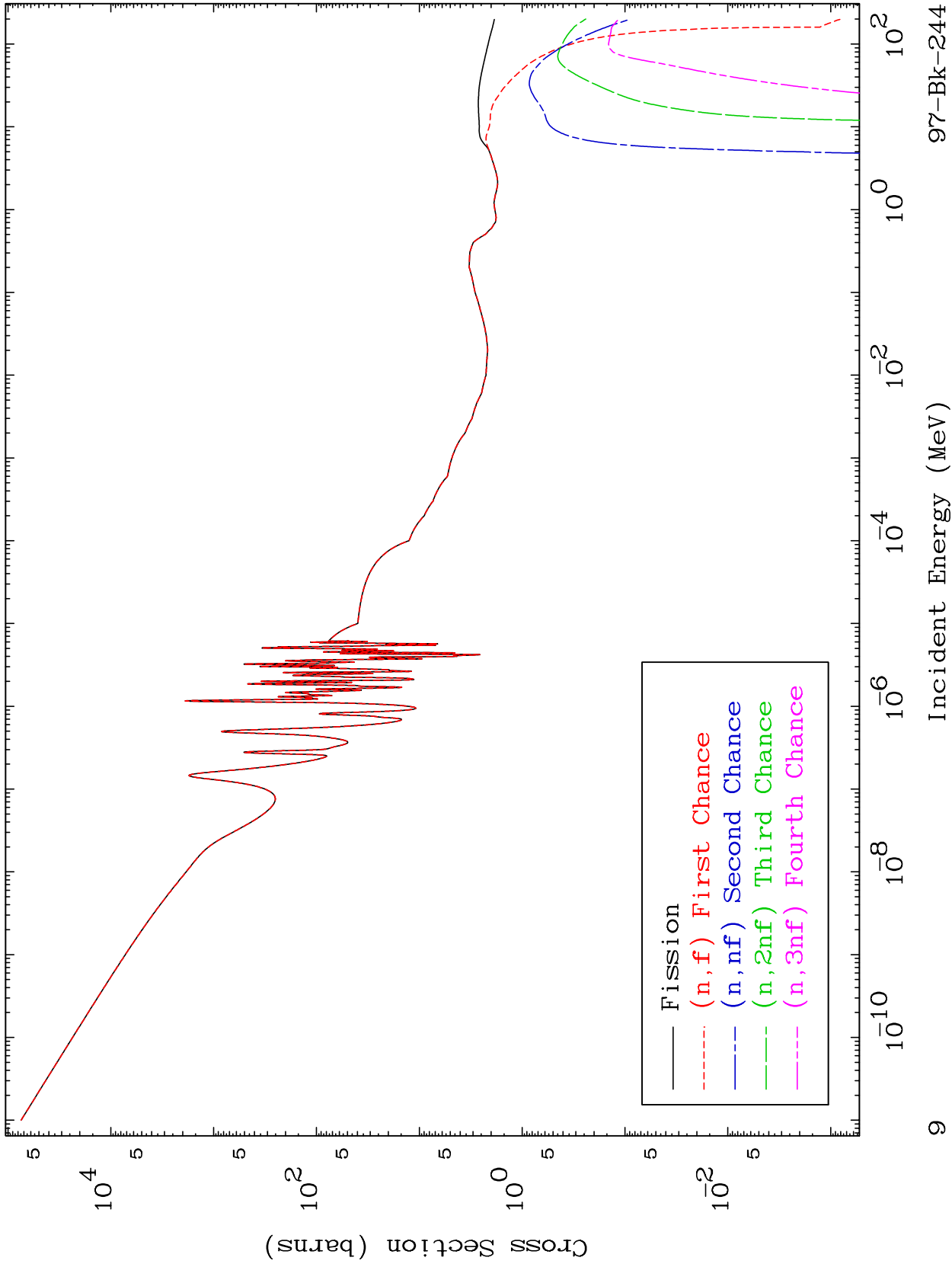
97-Bk-244



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Fission  
293 Kelvin Cross Sections

97-Bk-244

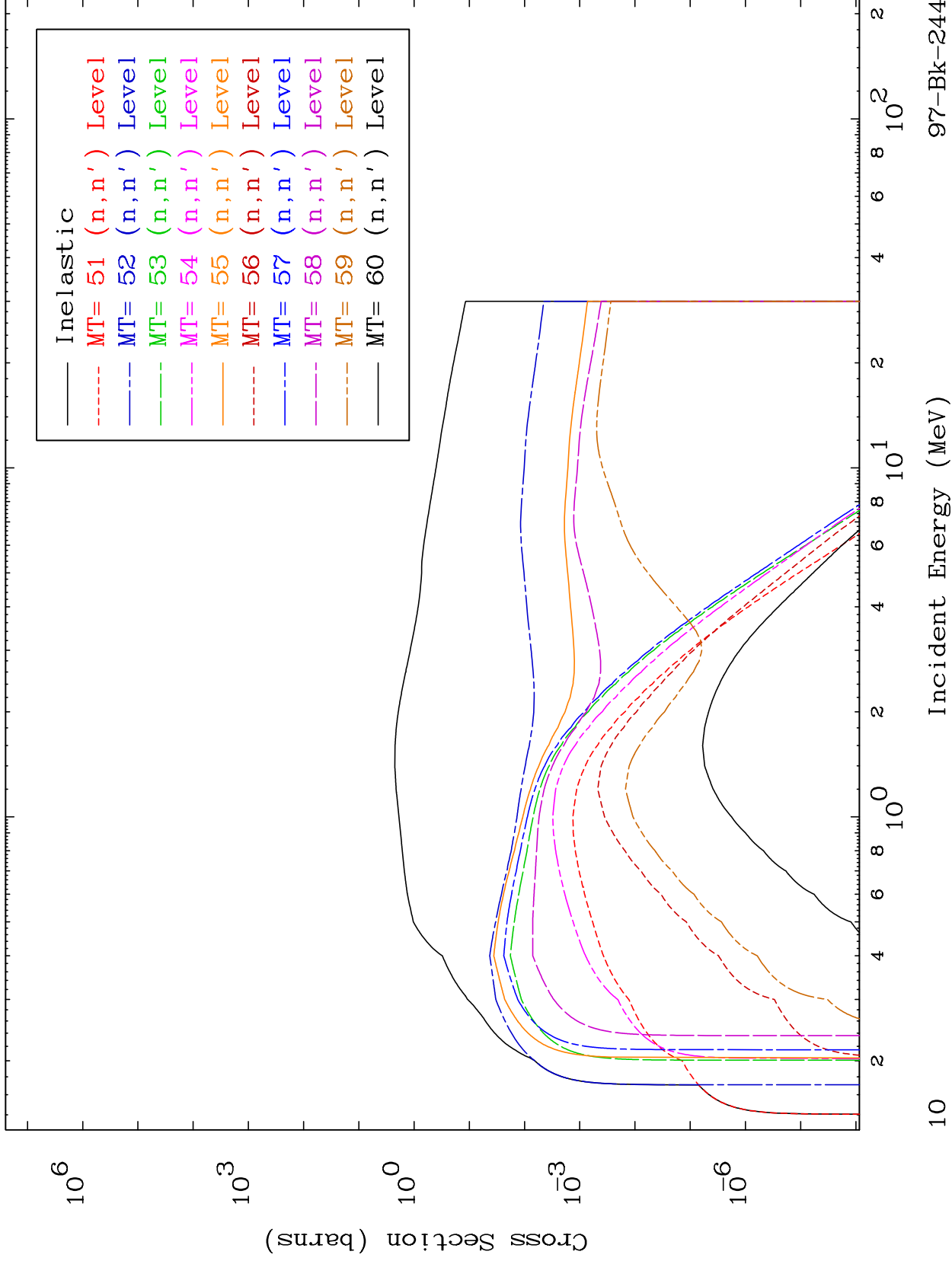


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(n,n') Levels

97-Bk-244

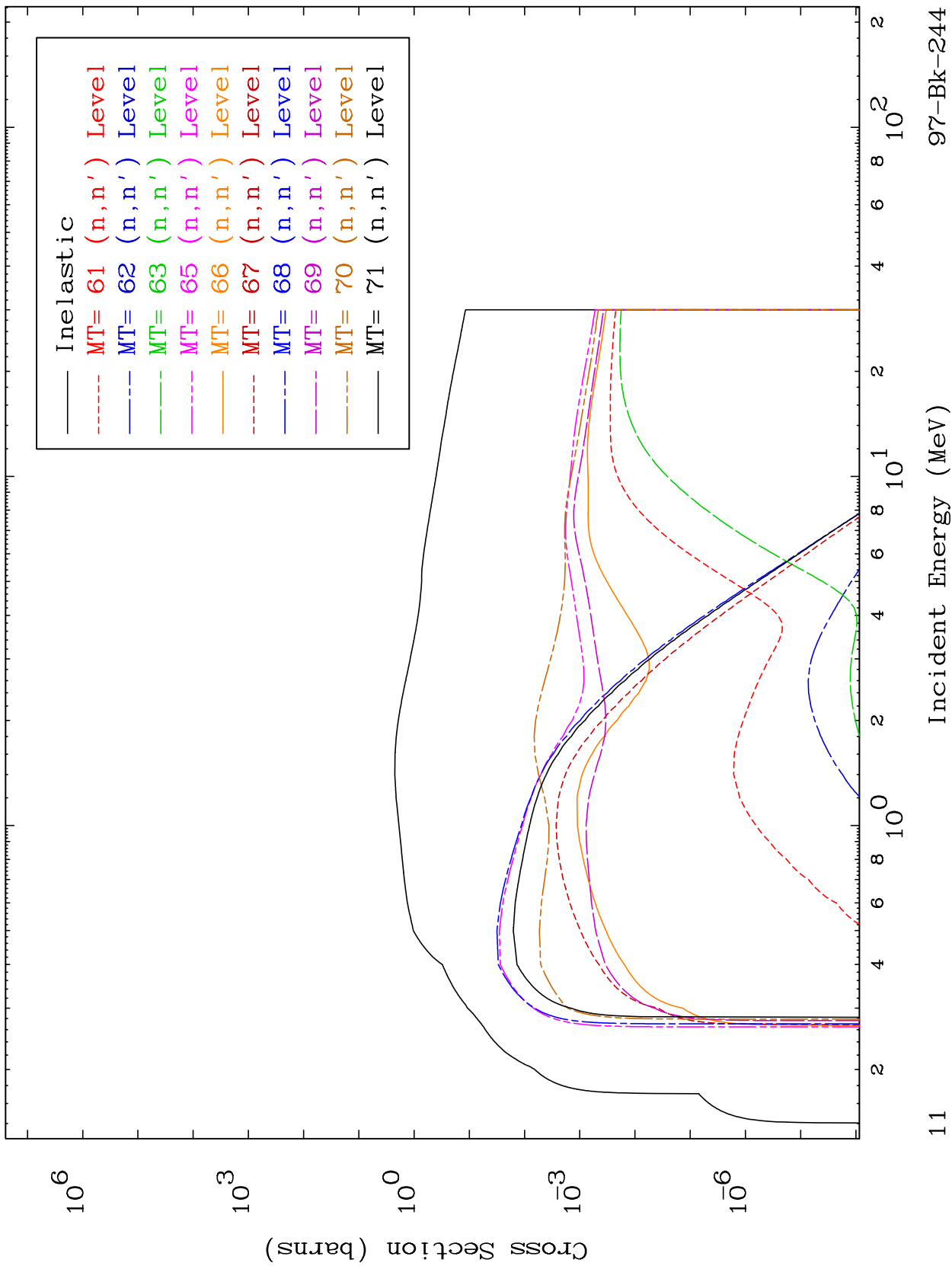
293 Kelvin Cross Sections



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Incident Energy (MeV)

97-Bk-244

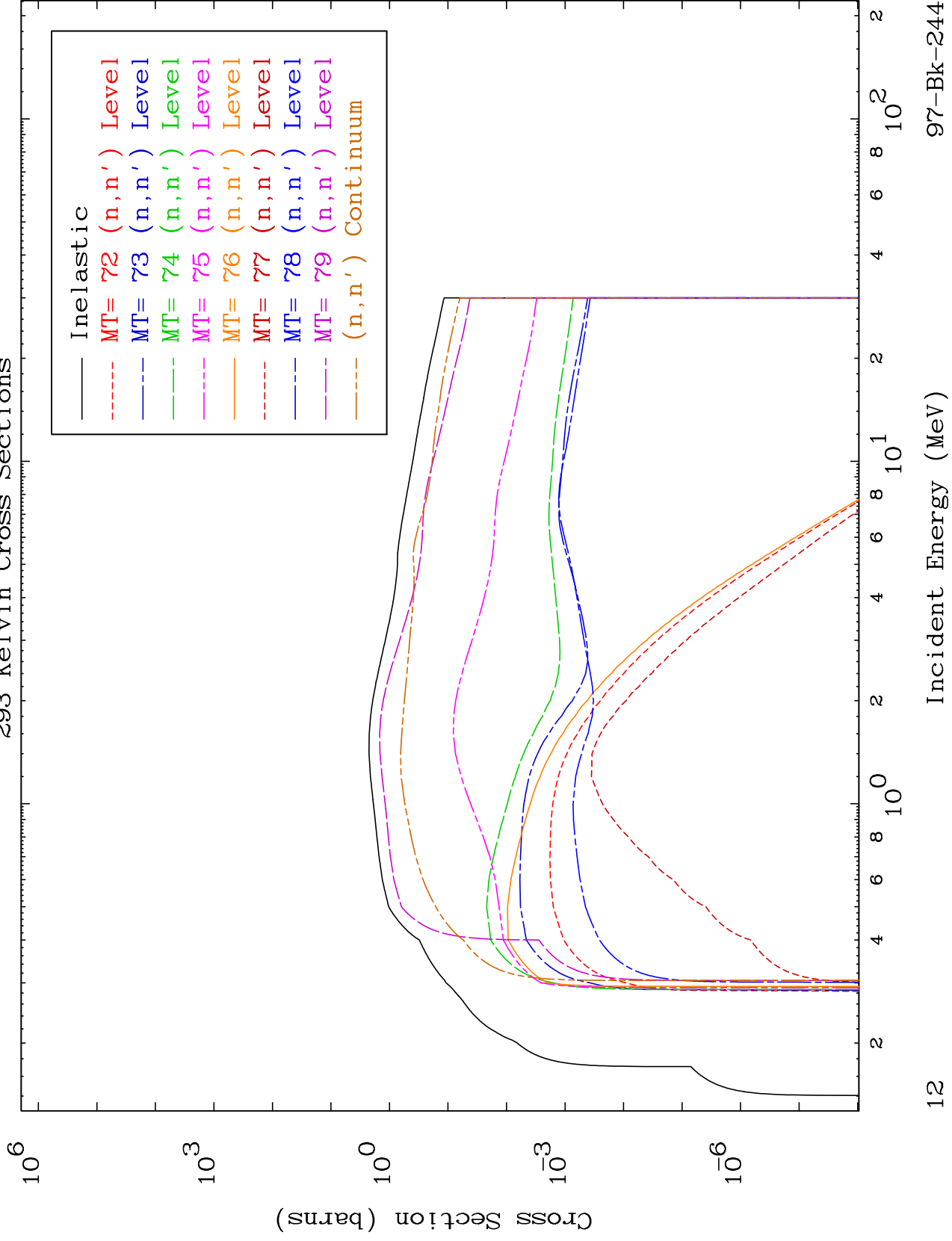


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(n,n') Levels

293 Kelvin Cross Sections

97-Bk-244



12

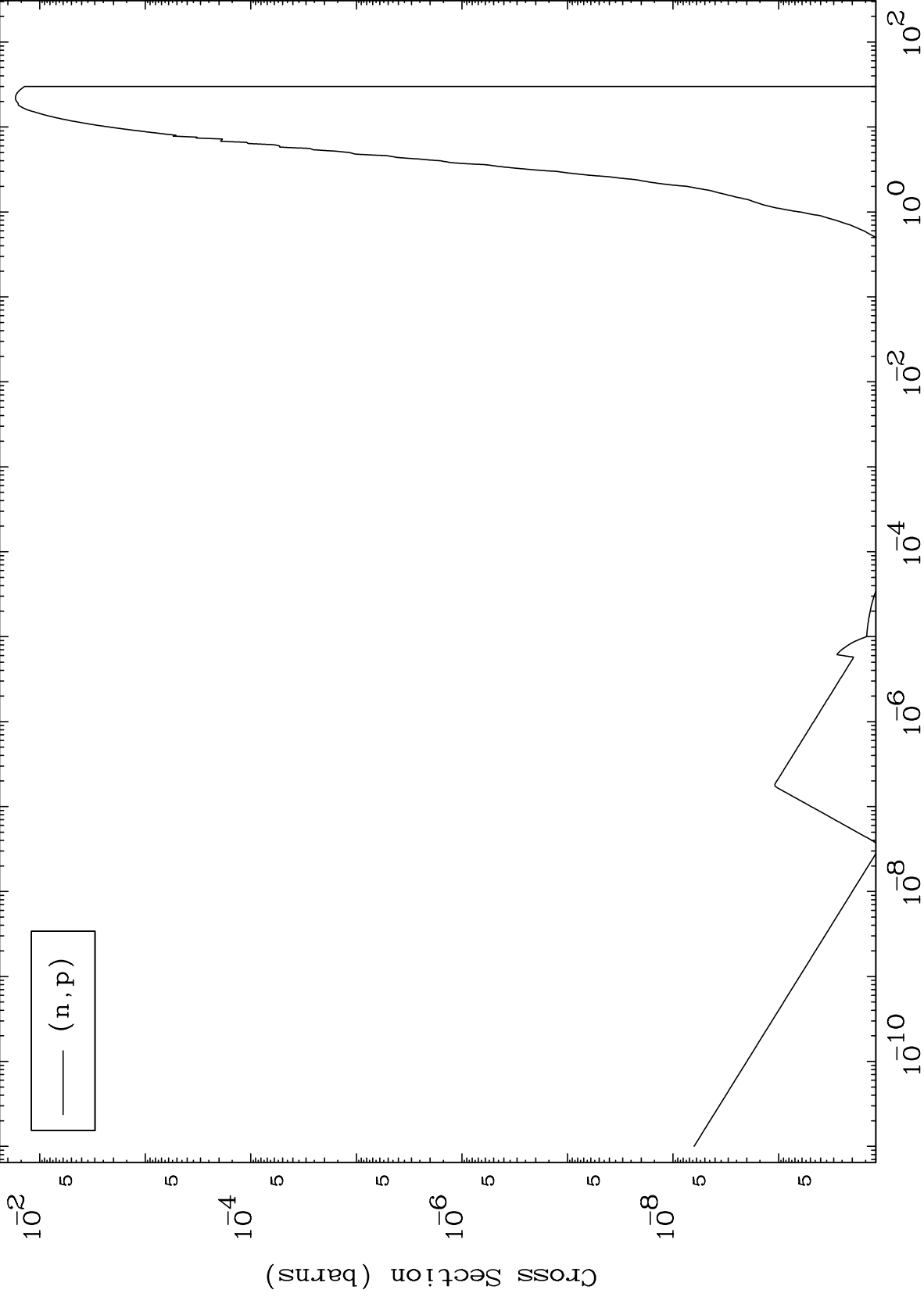
Incident Energy (MeV)

97-Bk-244

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(n,p) Levels  
293 Kelvin Cross Sections

97-Bk-244



13

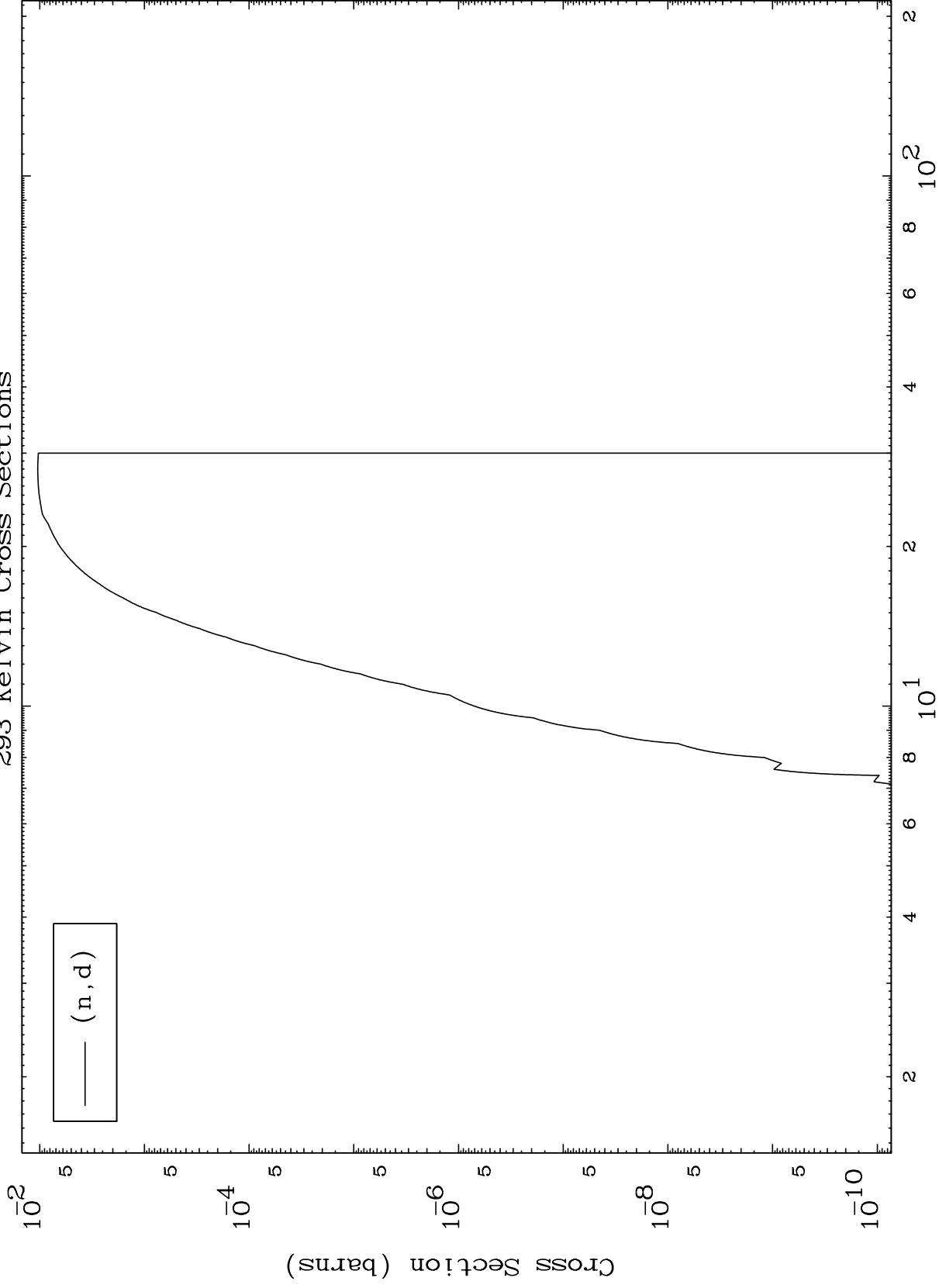
Incident Energy (MeV)

97-Bk-244

MAT 9737

(n,d) Levels  
293 Kelvin Cross Sections

97-Bk-244



14

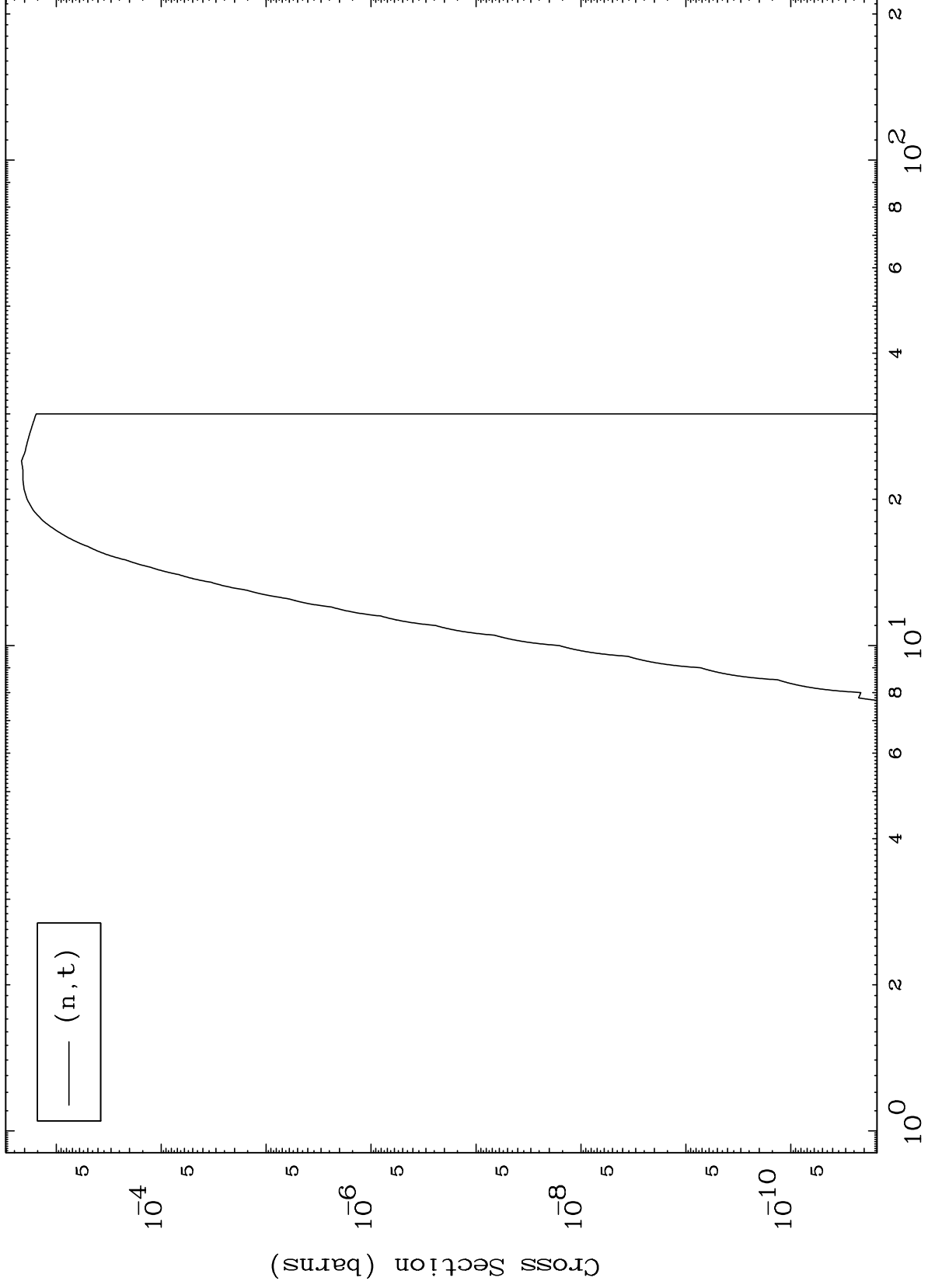
Incident Energy (MeV)

97-Bk-244

MAT 9737

(n,t) Levels  
293 Kelvin Cross Sections

97-Bk-244



Incident Energy (MeV)

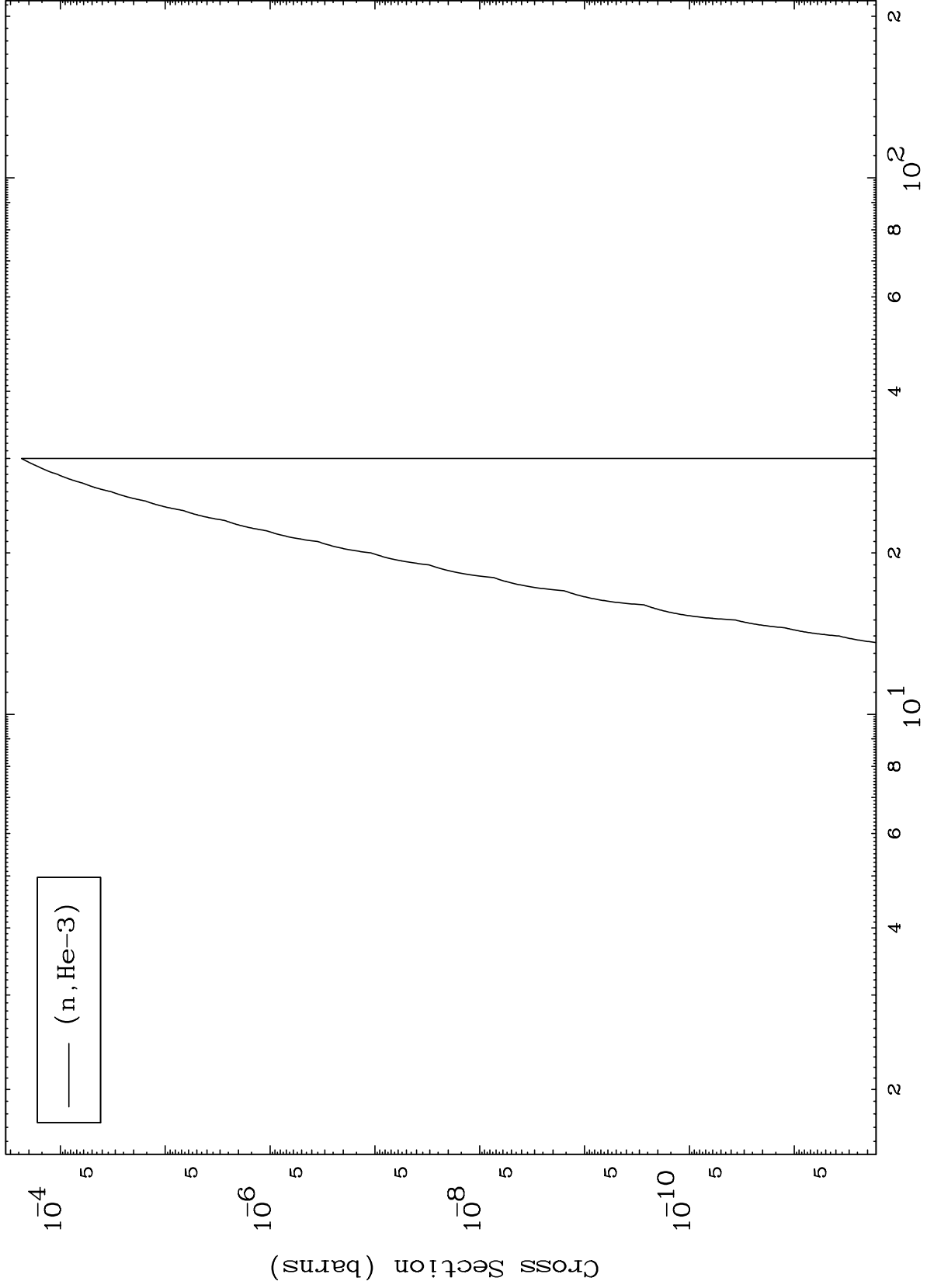
97-Bk-244



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(n,He3) Levels  
293 Kelvin Cross Sections

97-Bk-244



16

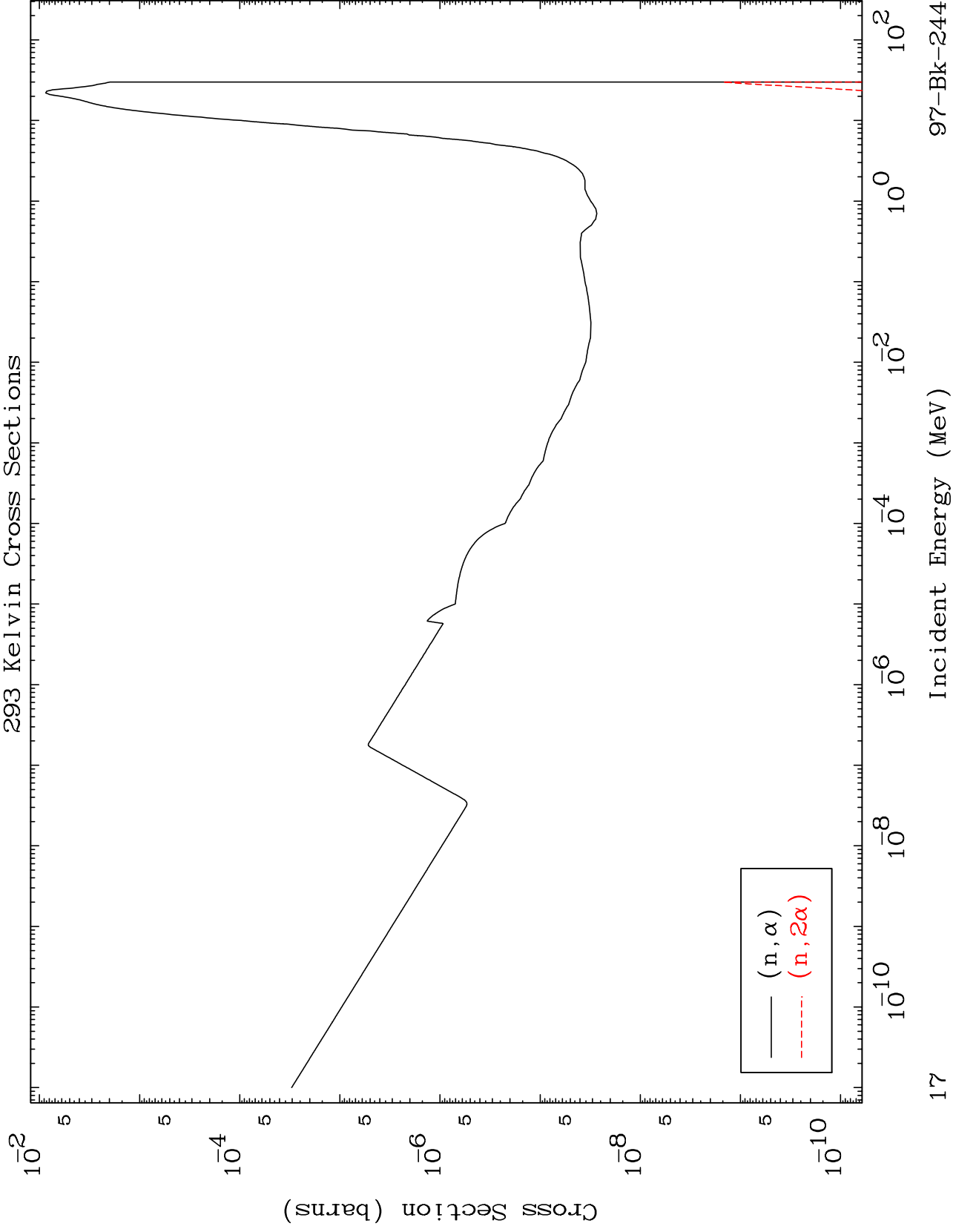
Incident Energy (MeV)

97-Bk-244

MAT 9737

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

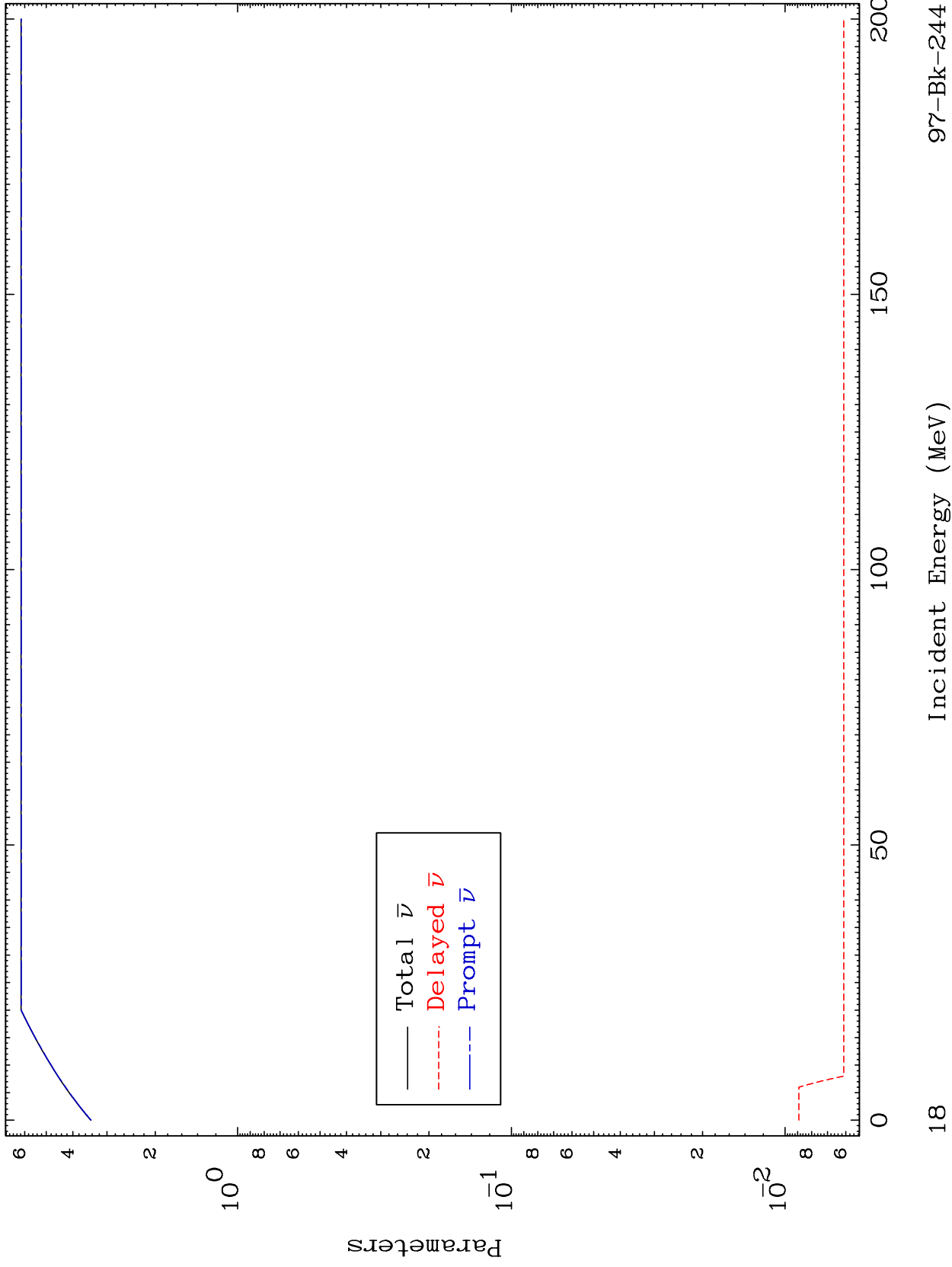
97-Bk-244



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Energy Release  
Parameters

97-Bk-244



18

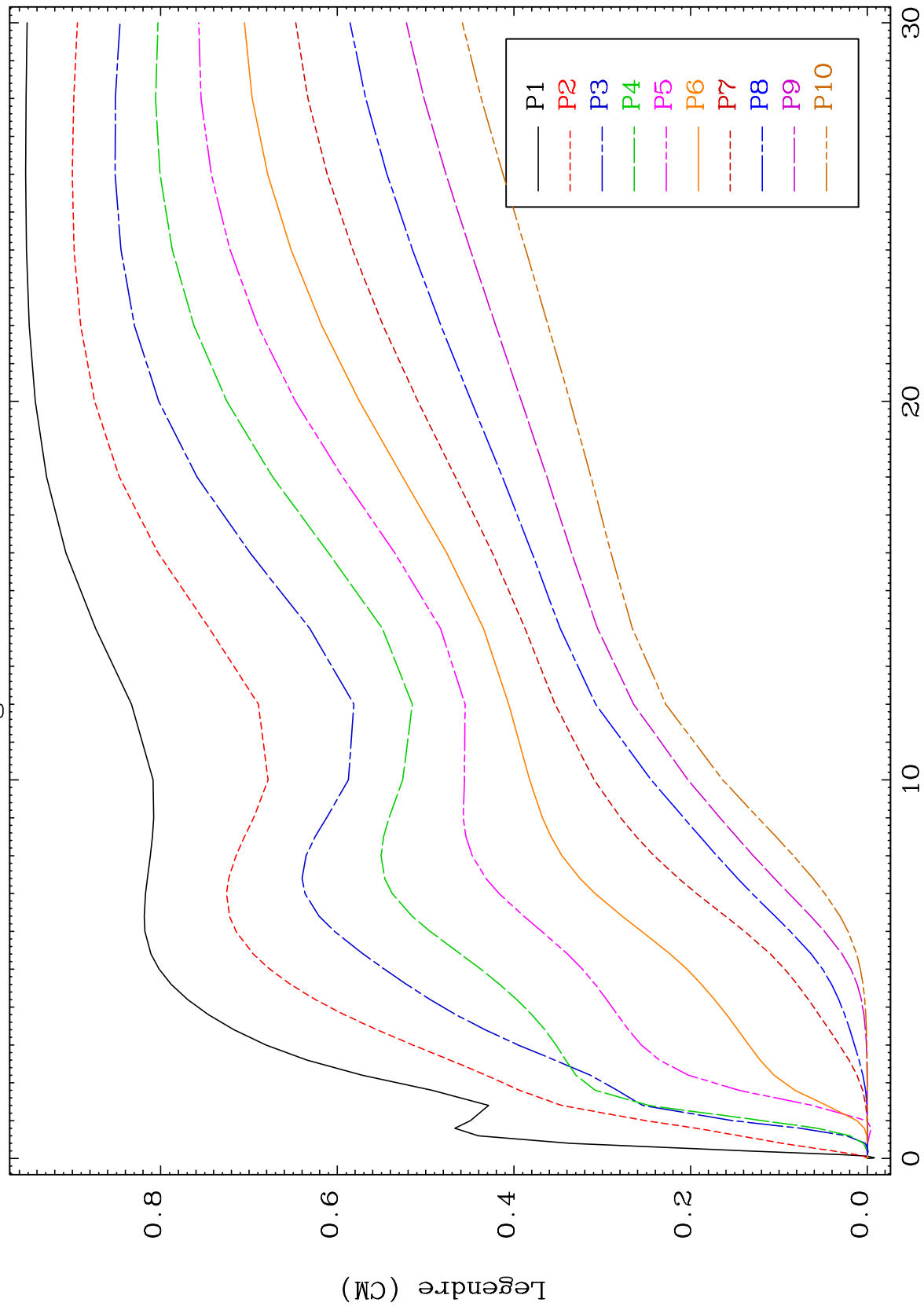
Incident Energy (MeV)

97-Bk-244

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Elastic Legendre Coefficients

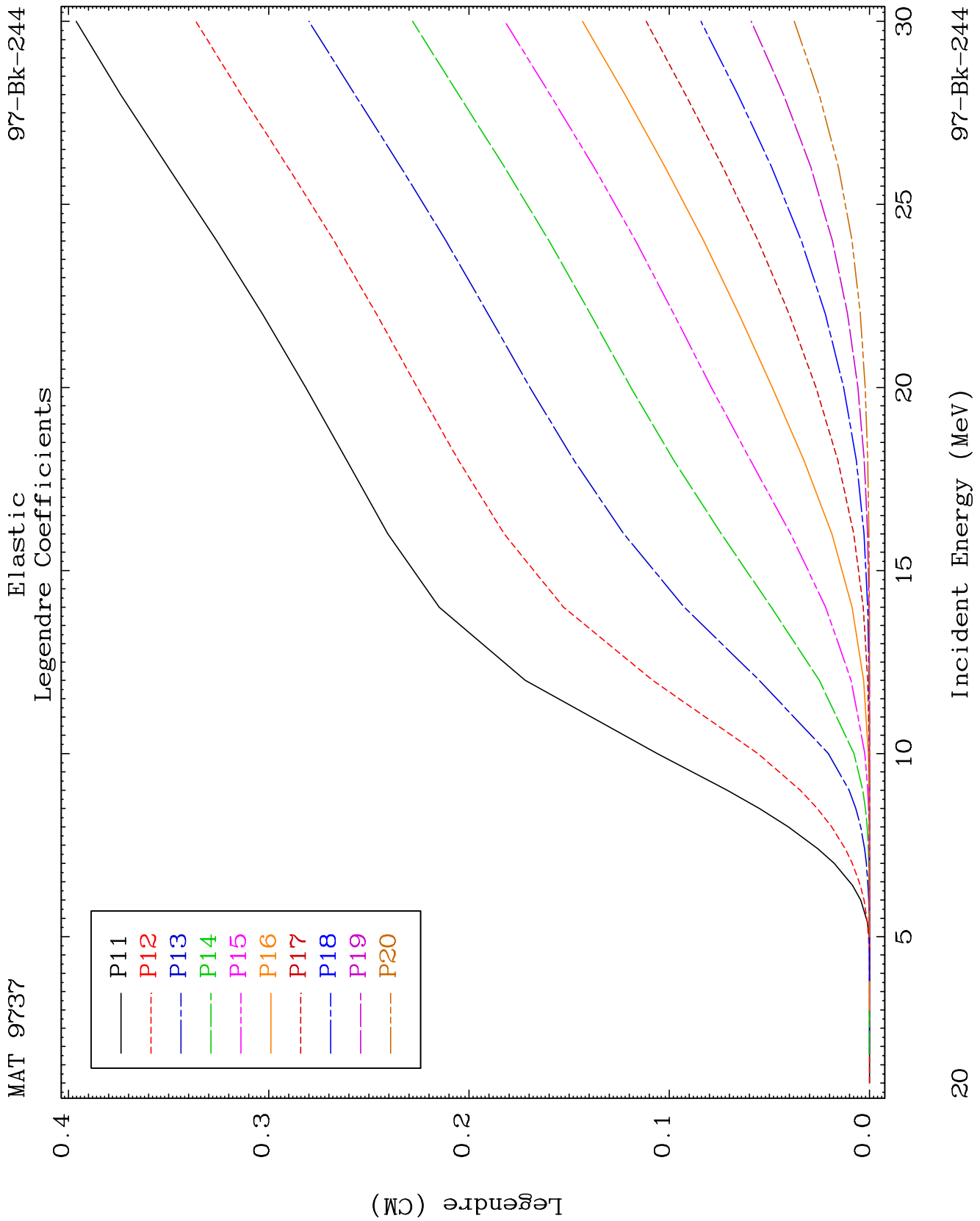
97-Bk-244



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Incident Energy (MeV)

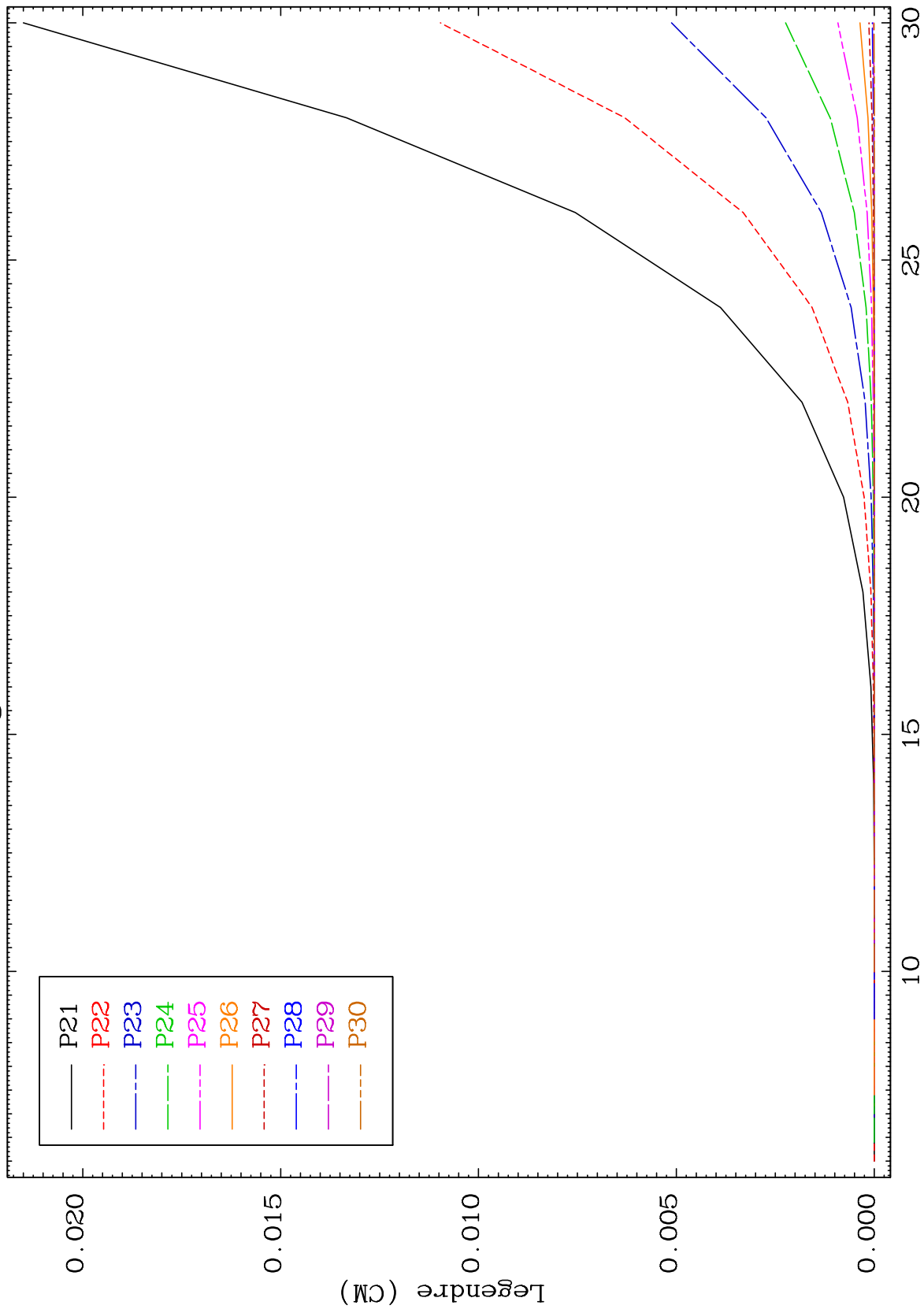
97-Bk-244



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### Elastic Legendre Coefficients

97-Bk-244



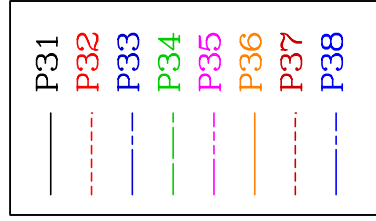
21

97-Bk-244

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Elastic Legendre Coefficients

97-Bk-244



$\times 10^{-6}$

Legendre (CM)

1.5

1.0

0.5

0.0

15

20

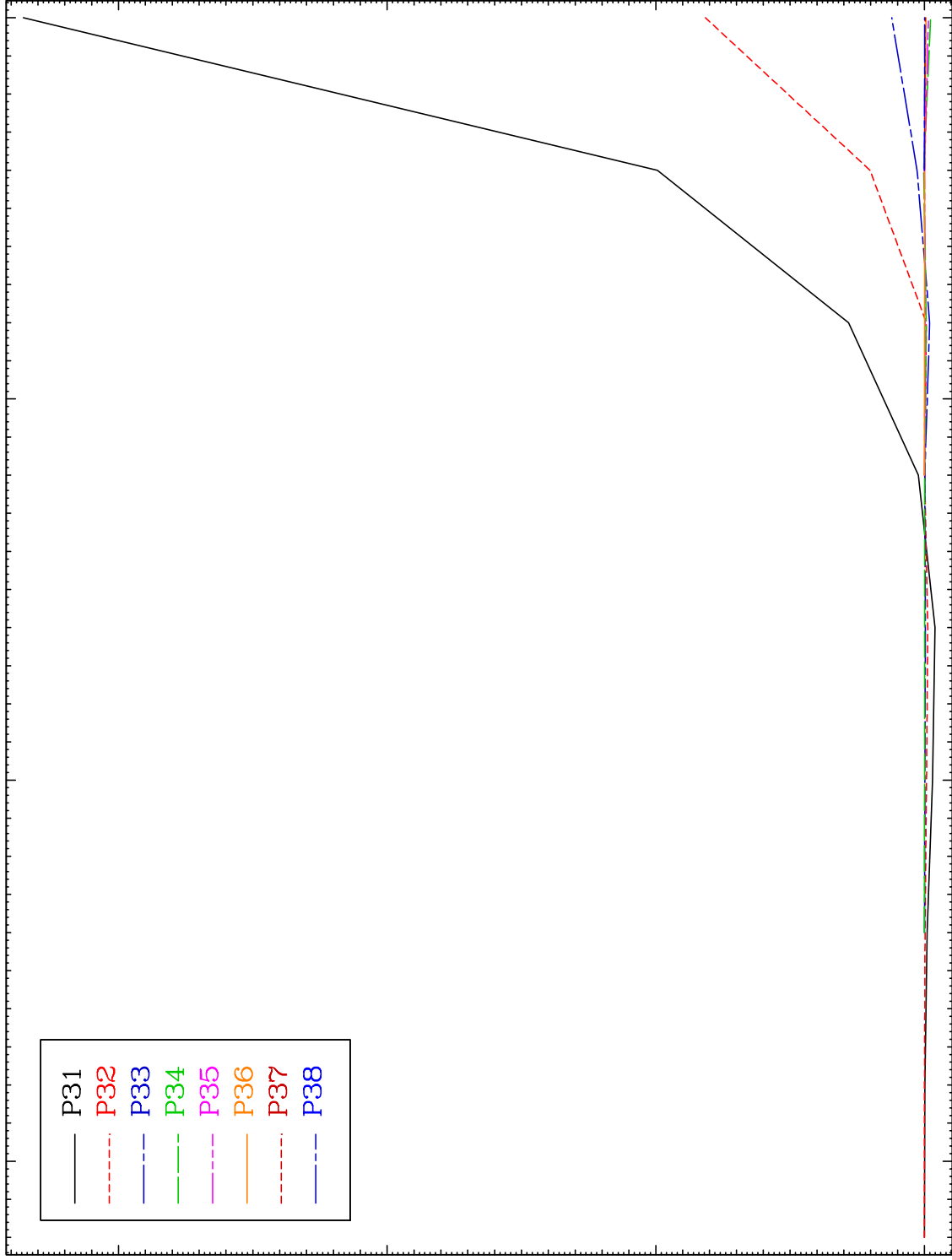
25

30

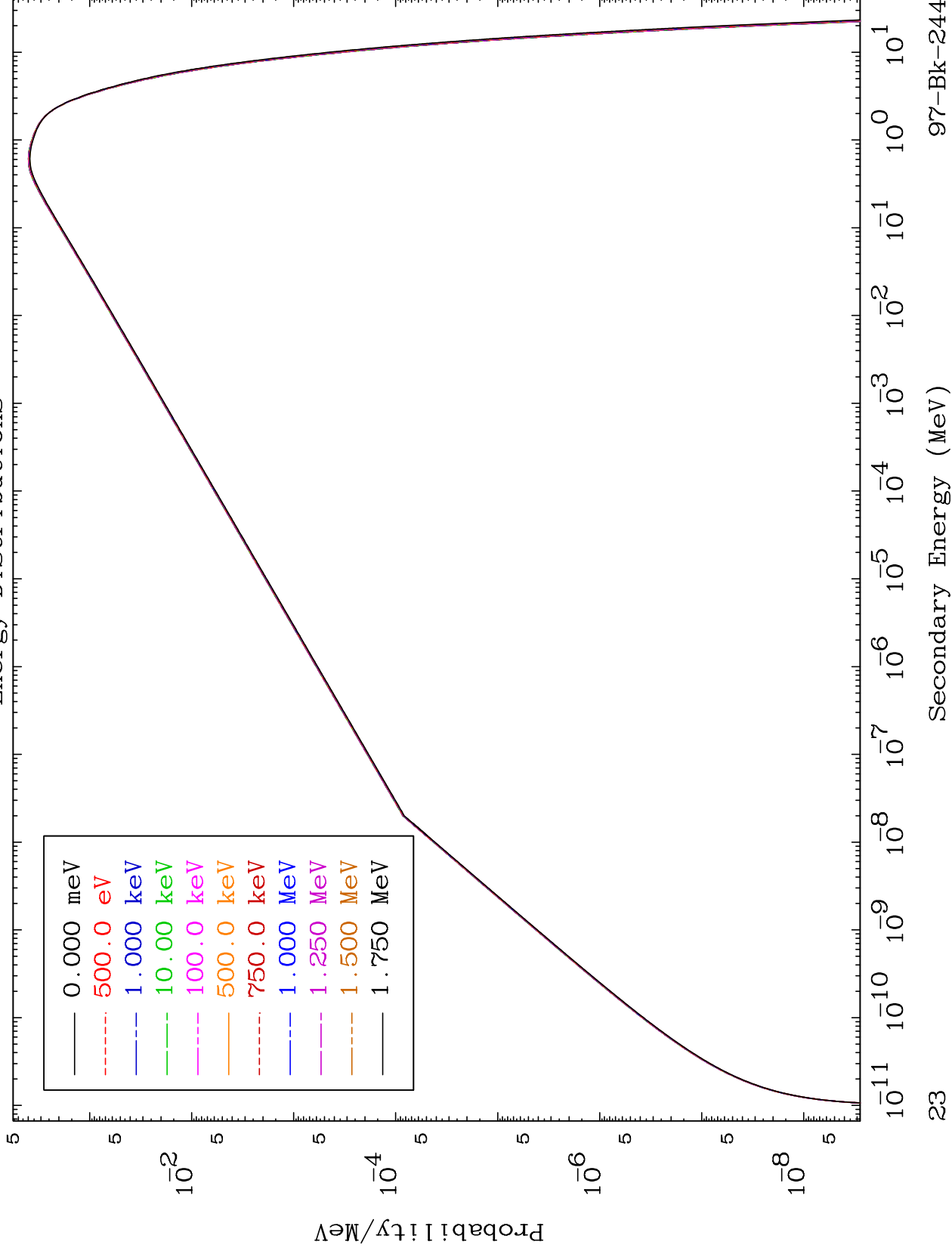
22

Incident Energy (MeV)

97-Bk-244



Fission Energy Distributions

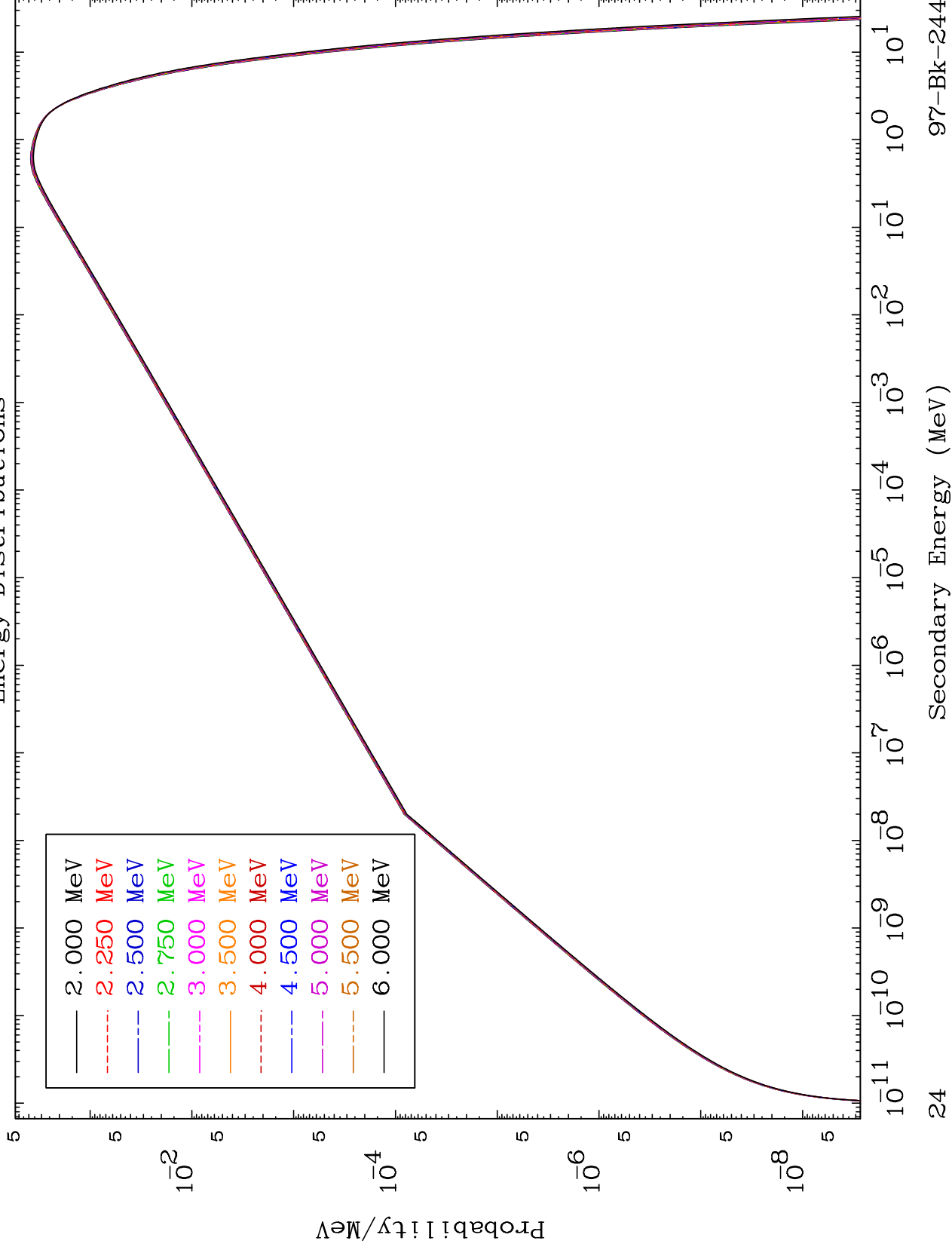




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### Fission Energy Distributions

97-Bk-244



97-Bk-244

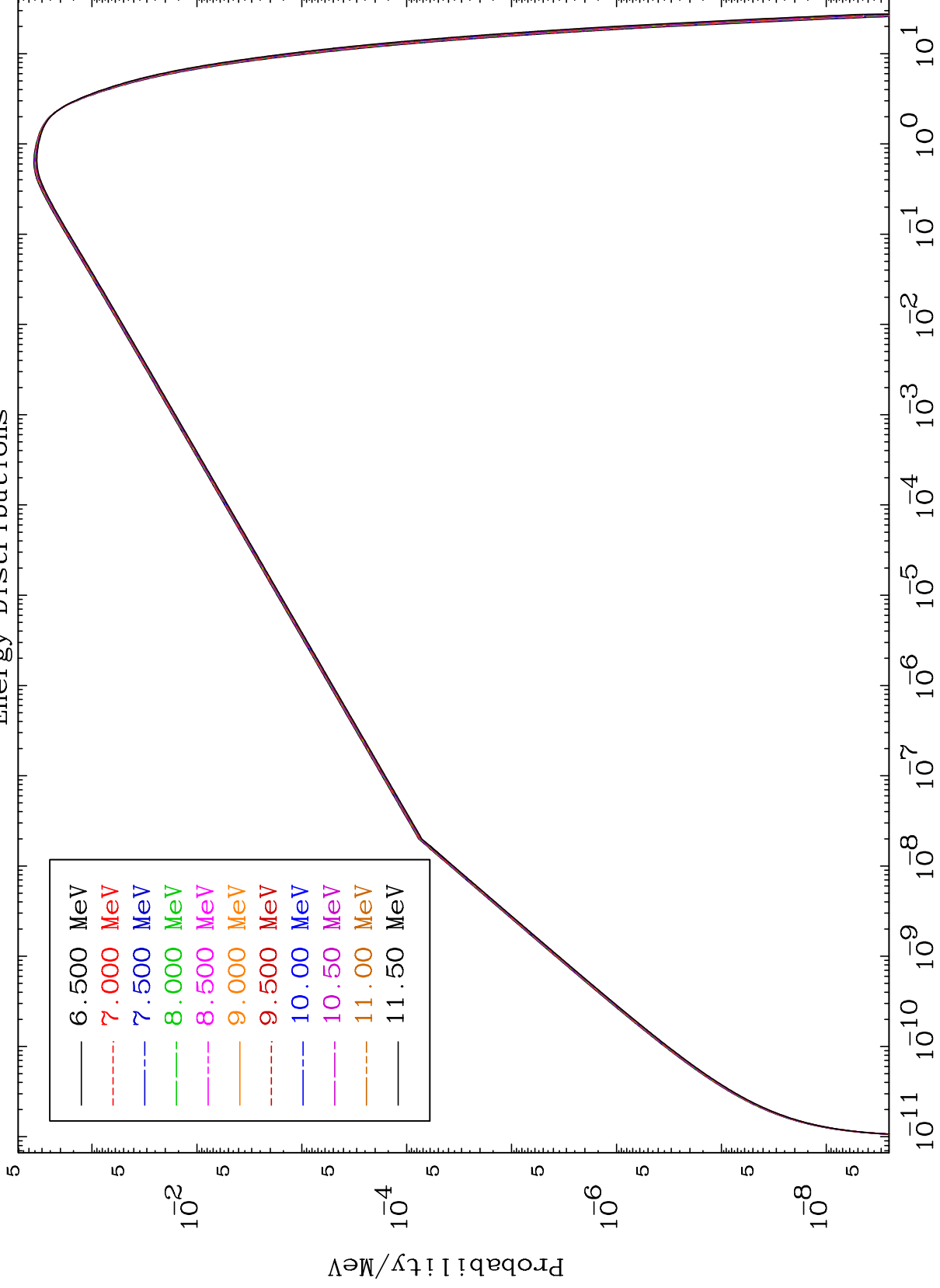
Secondary Energy (MeV)

24

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### Fission Energy Distributions

97-Bk-244



25

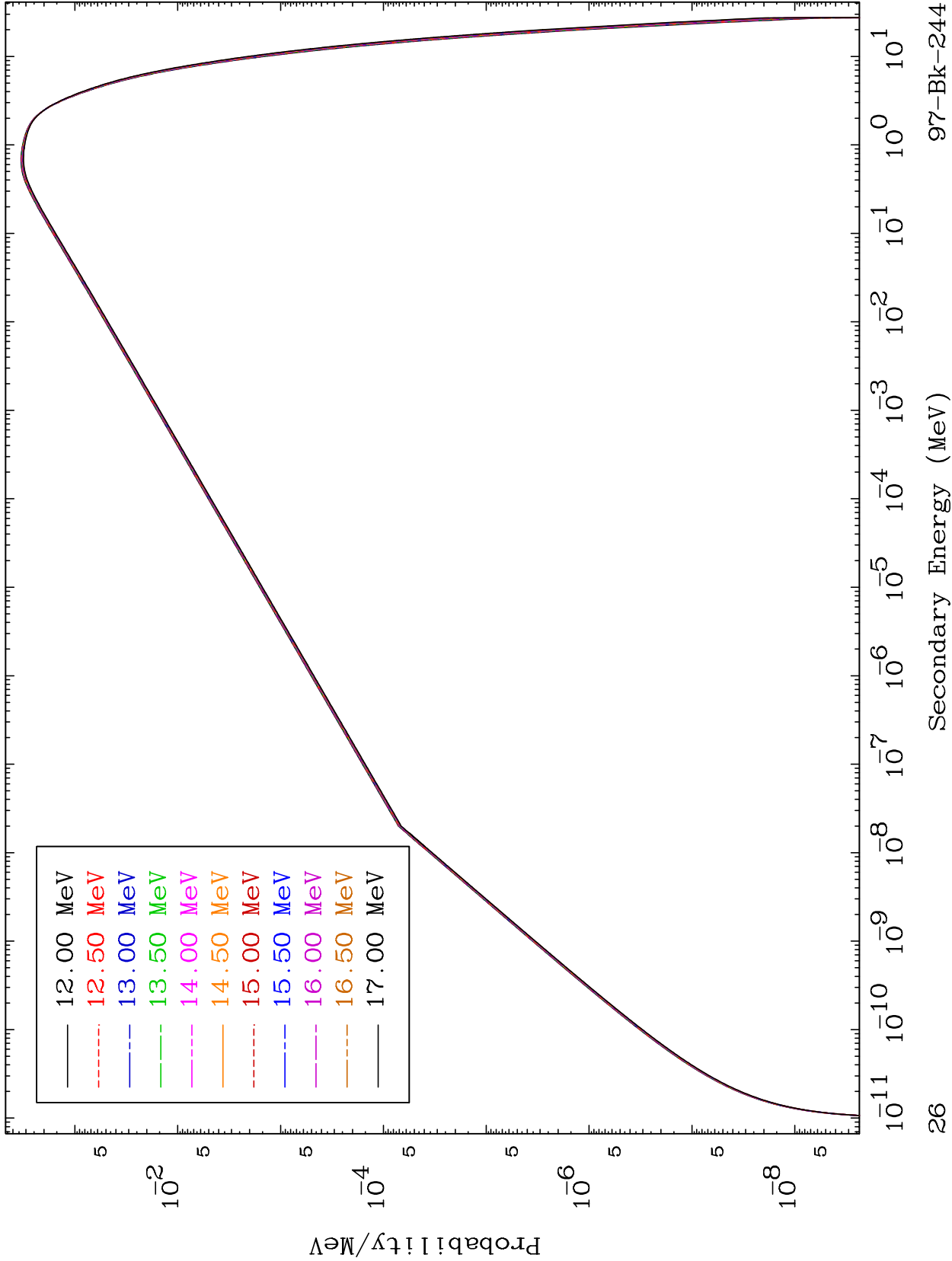
Secondary Energy (MeV)

97-Bk-244

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Fission Energy Distributions

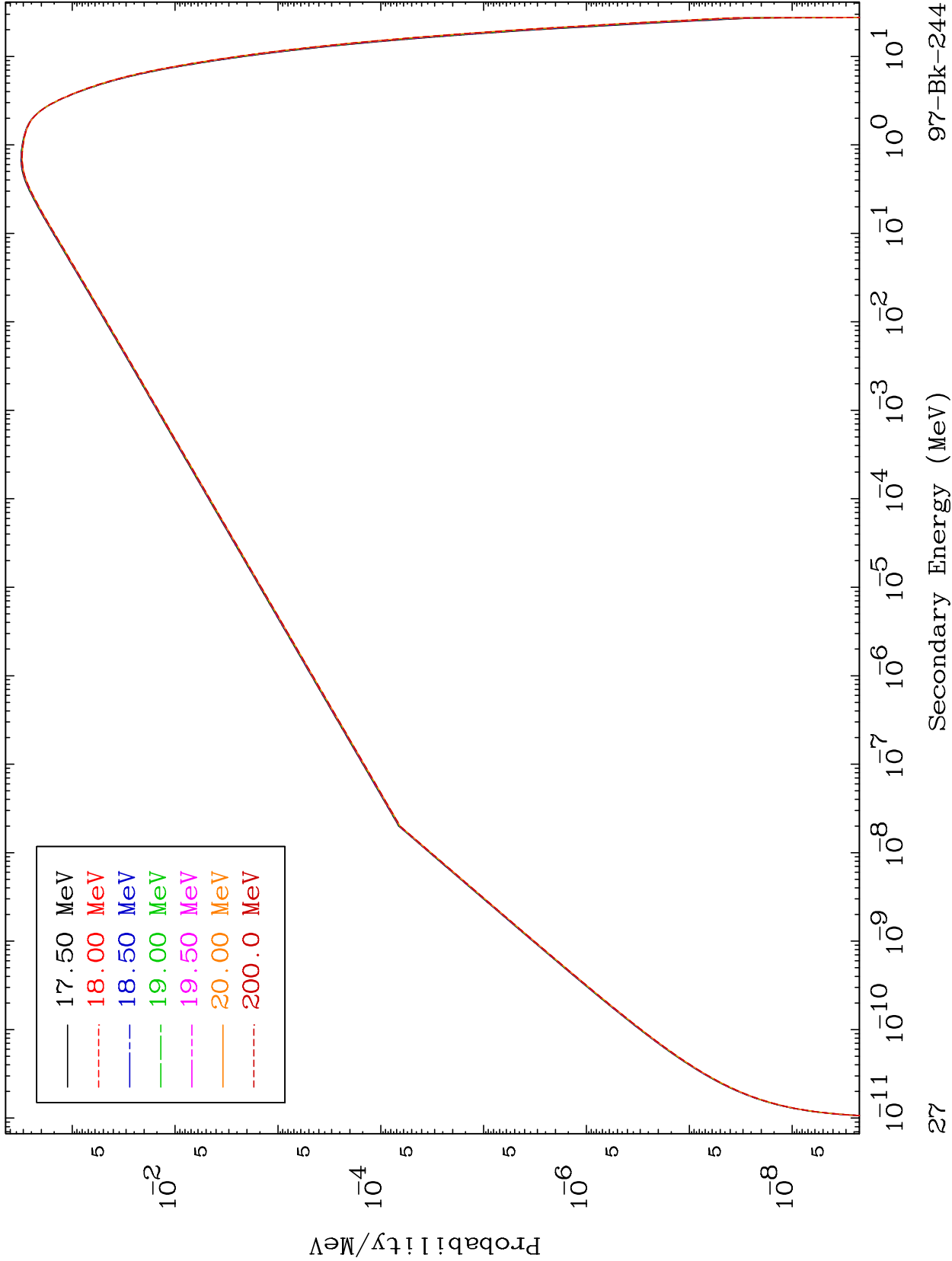
97-Bk-244



97-Bk-244

Secondary Energy (MeV)

Fission Energy Distributions

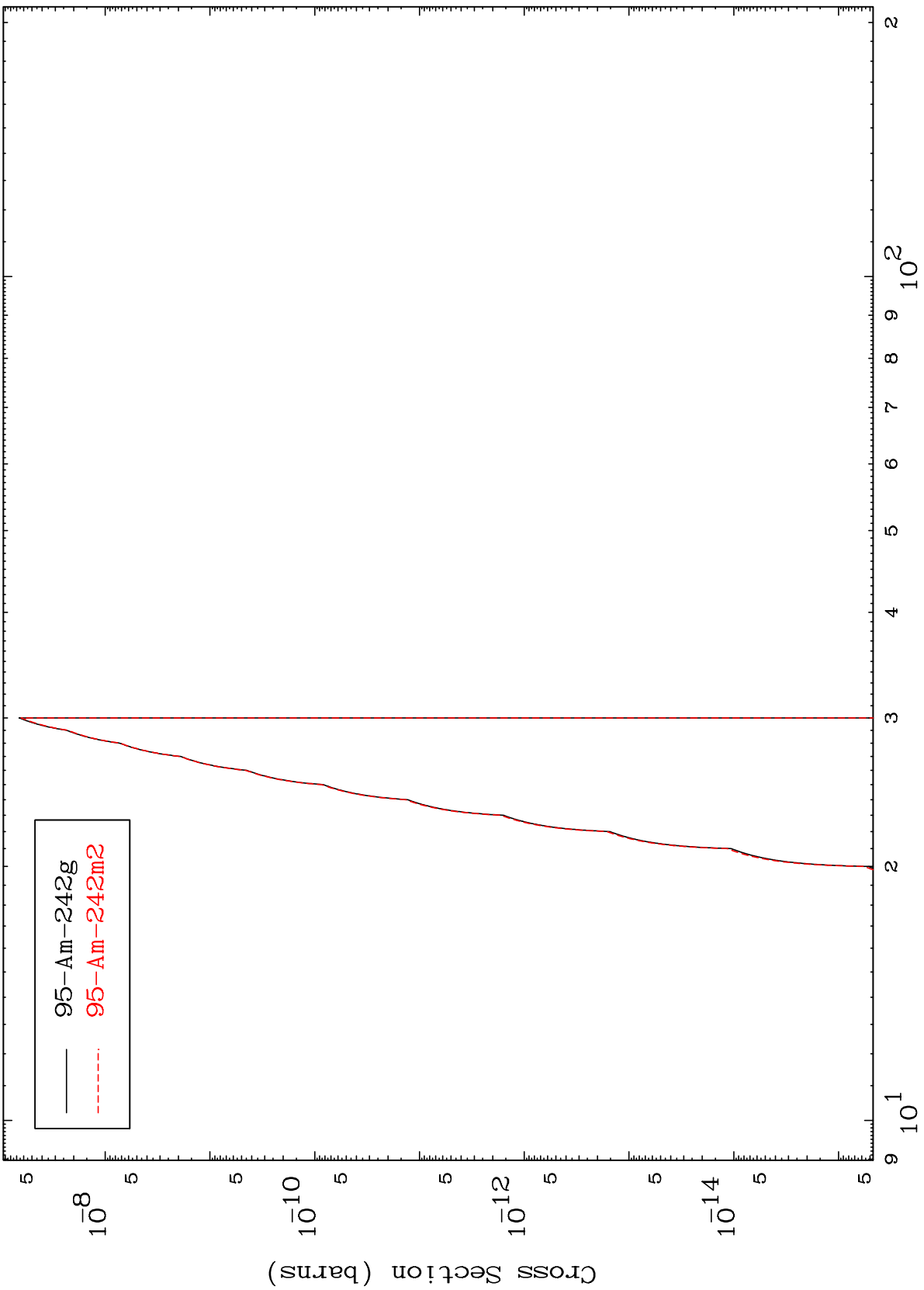


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(n,2n) p

97-Bk-244

Radionuclide Production Cross Section



28

Incident Energy (MeV)

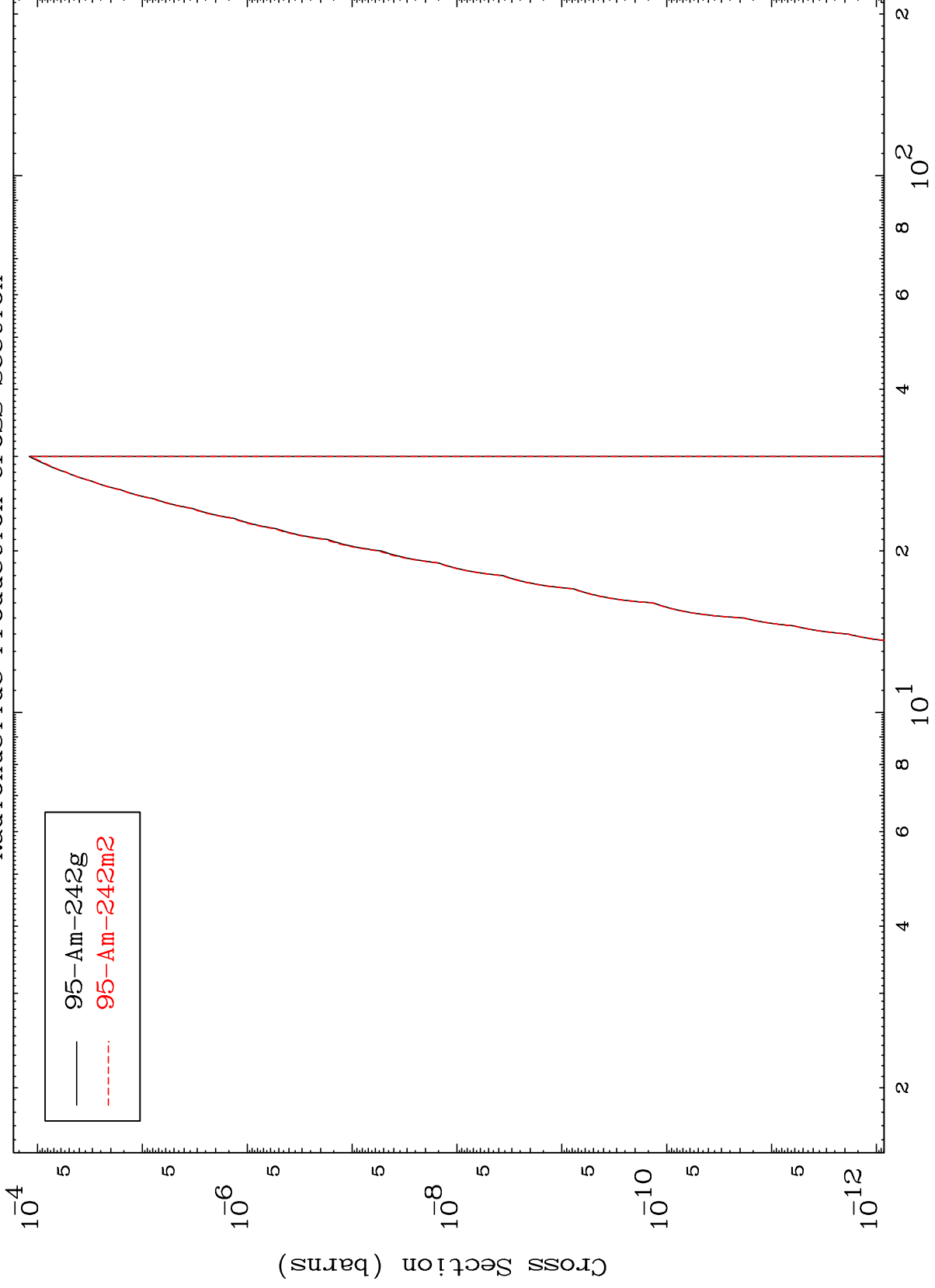
97-Bk-244

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(n,He-3)

97-Bk-244

Radionuclide Production Cross Section



29

Incident Energy (MeV)

97-Bk-244

Radionuclide Production Cross Section

