

Program EVALPLOT  
(Version 2021-1)

by

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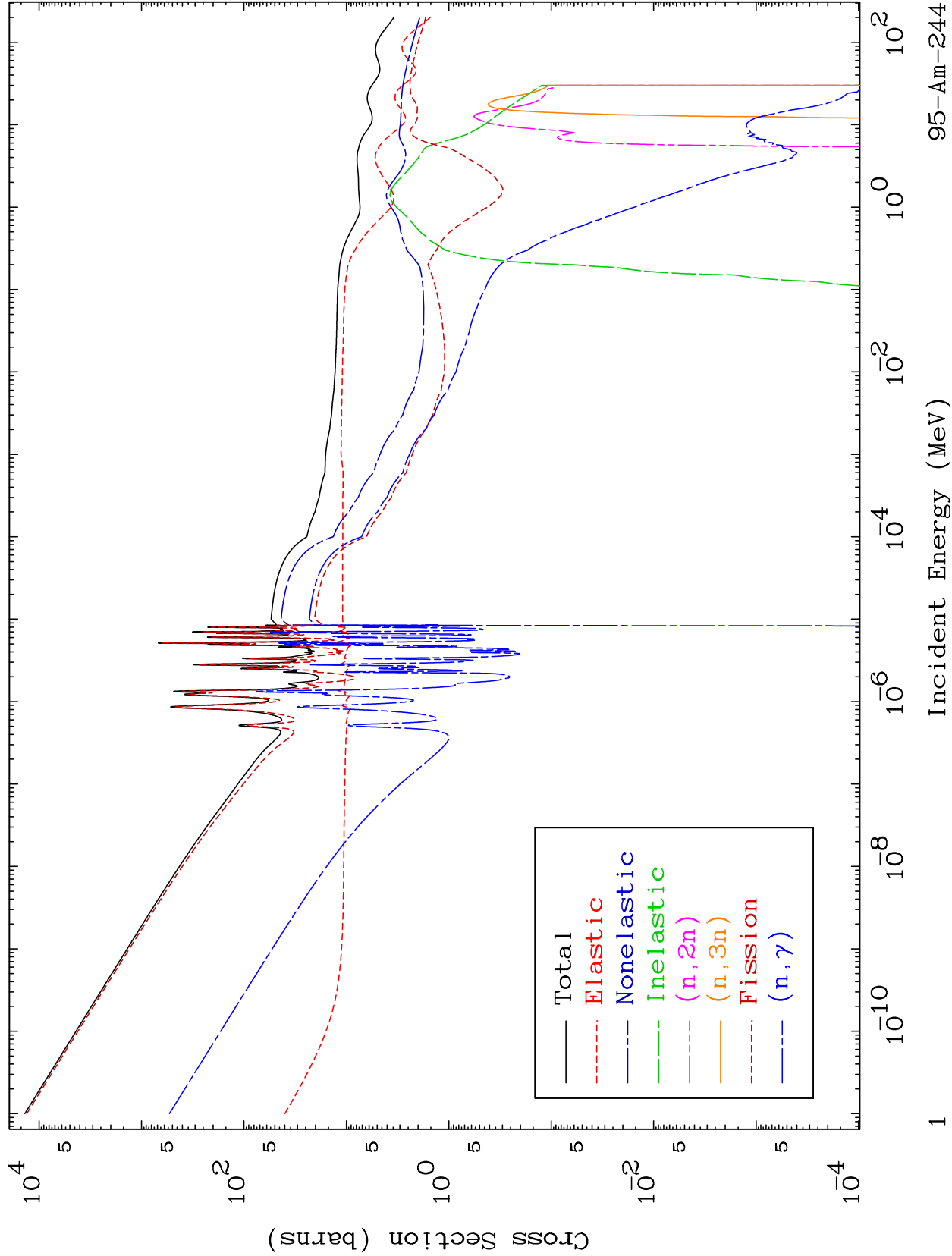
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9552

Neutron Major  
293 Kelvin Cross Sections

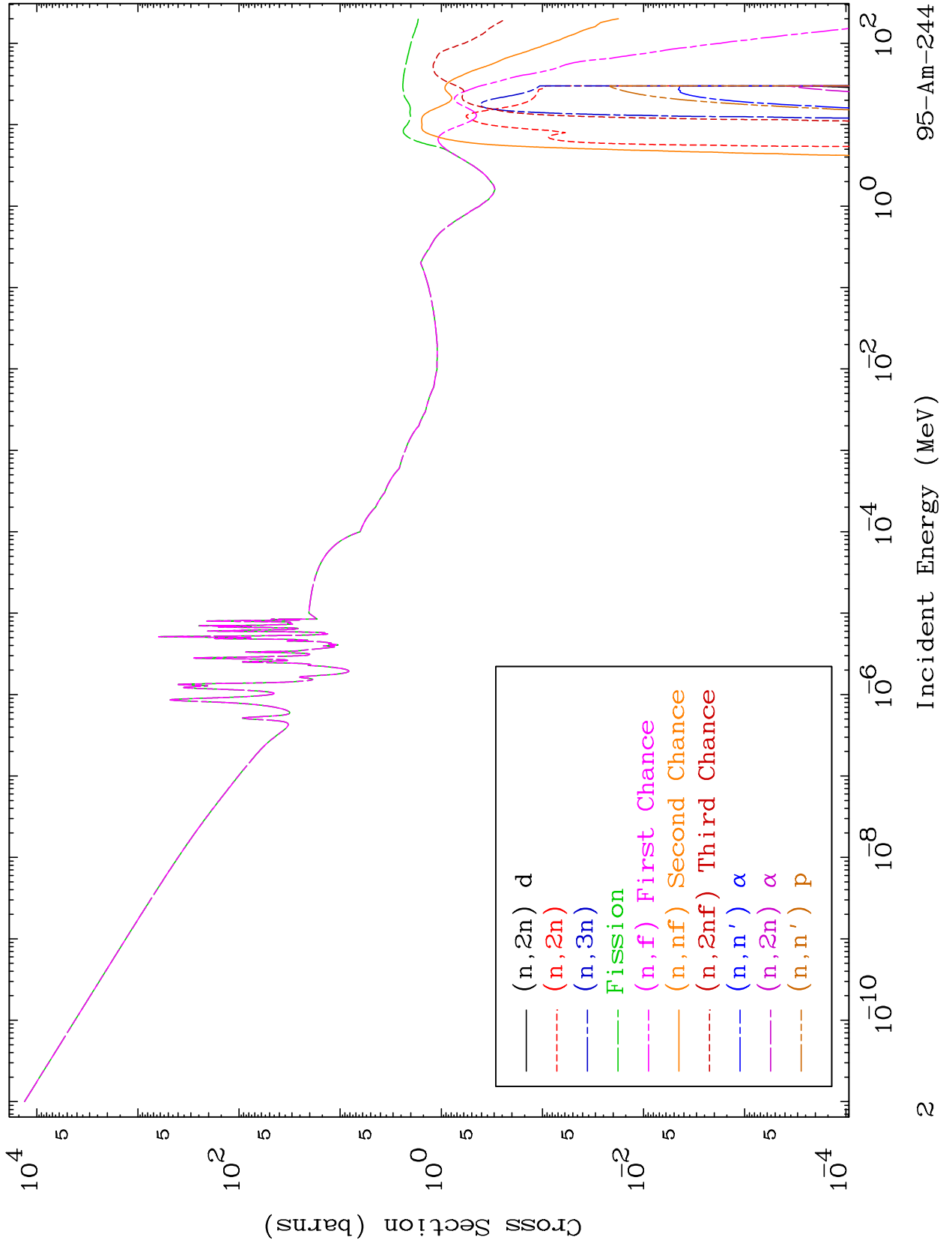
95-Am-244



MAT 9552

Neutron Absorption  
293 Kelvin Cross Sections

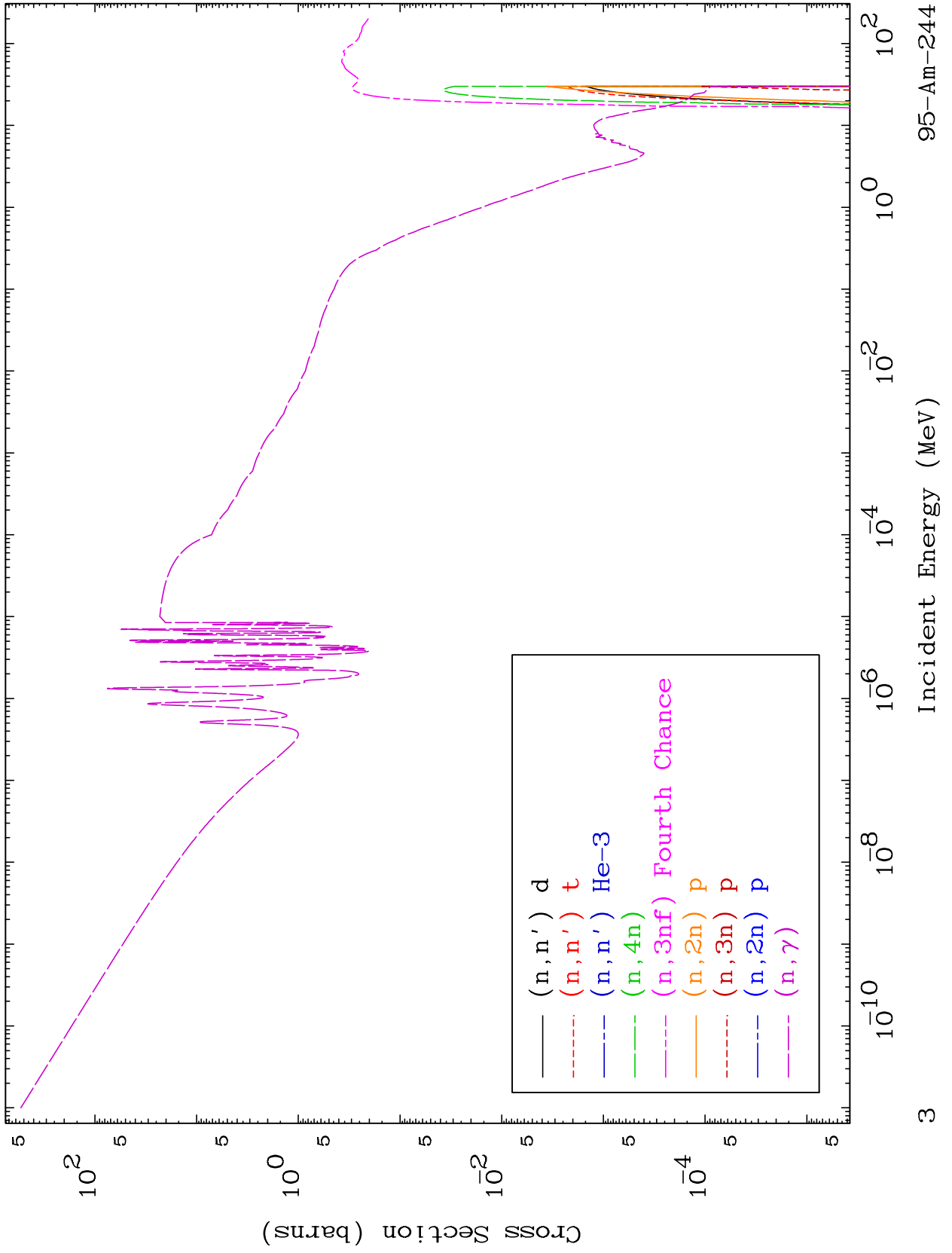
95-Am-244



MAT 9552

Neutron Absorption  
293 Kelvin Cross Sections

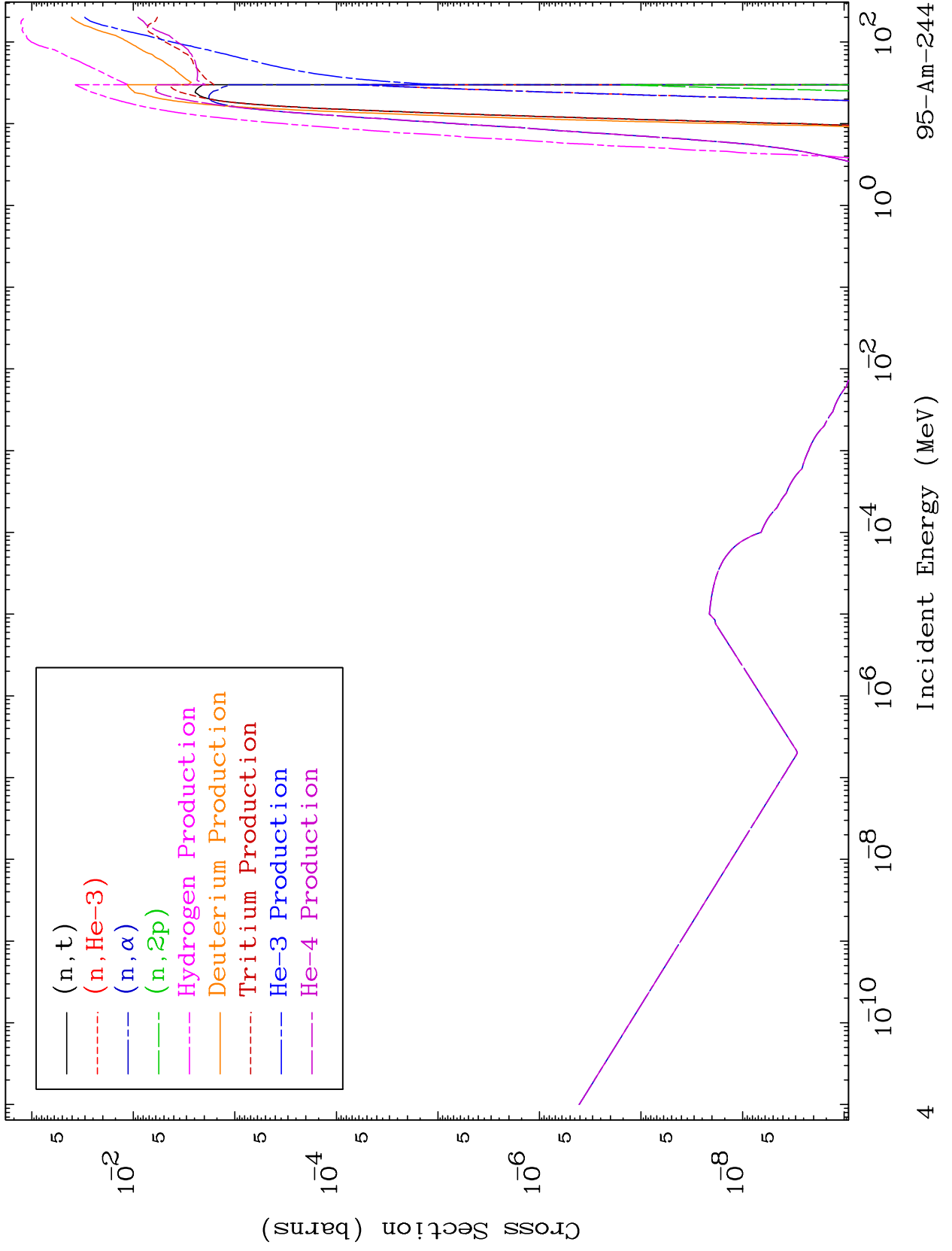
95-Am-244



MAT 9552

Neutron Absorption  
293 Kelvin Cross Sections

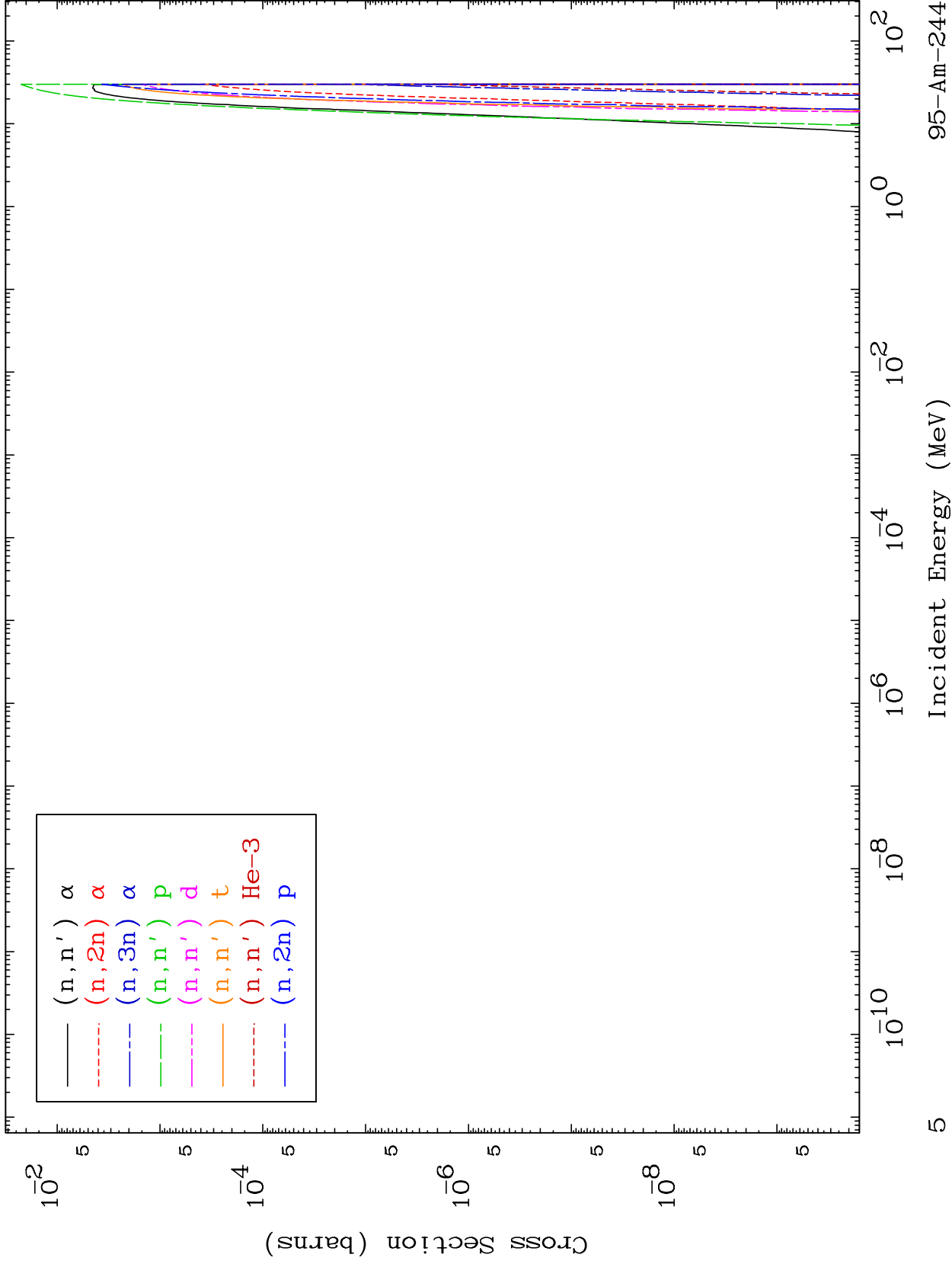
95-Am-244



MAT 9552

Charged Particle  
293 Kelvin Cross Sections

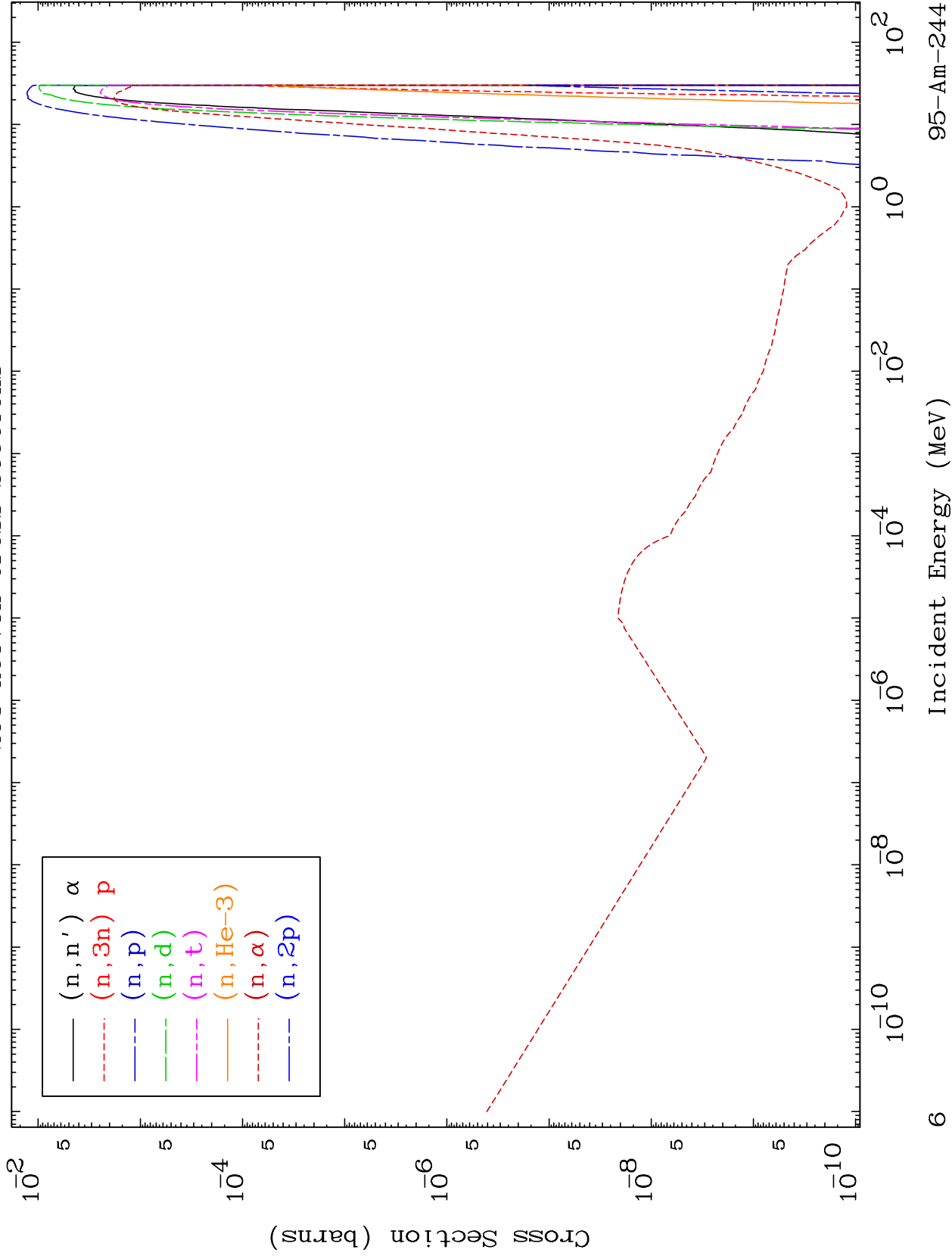
95-Am-244



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Charged Particle  
293 Kelvin Cross Sections

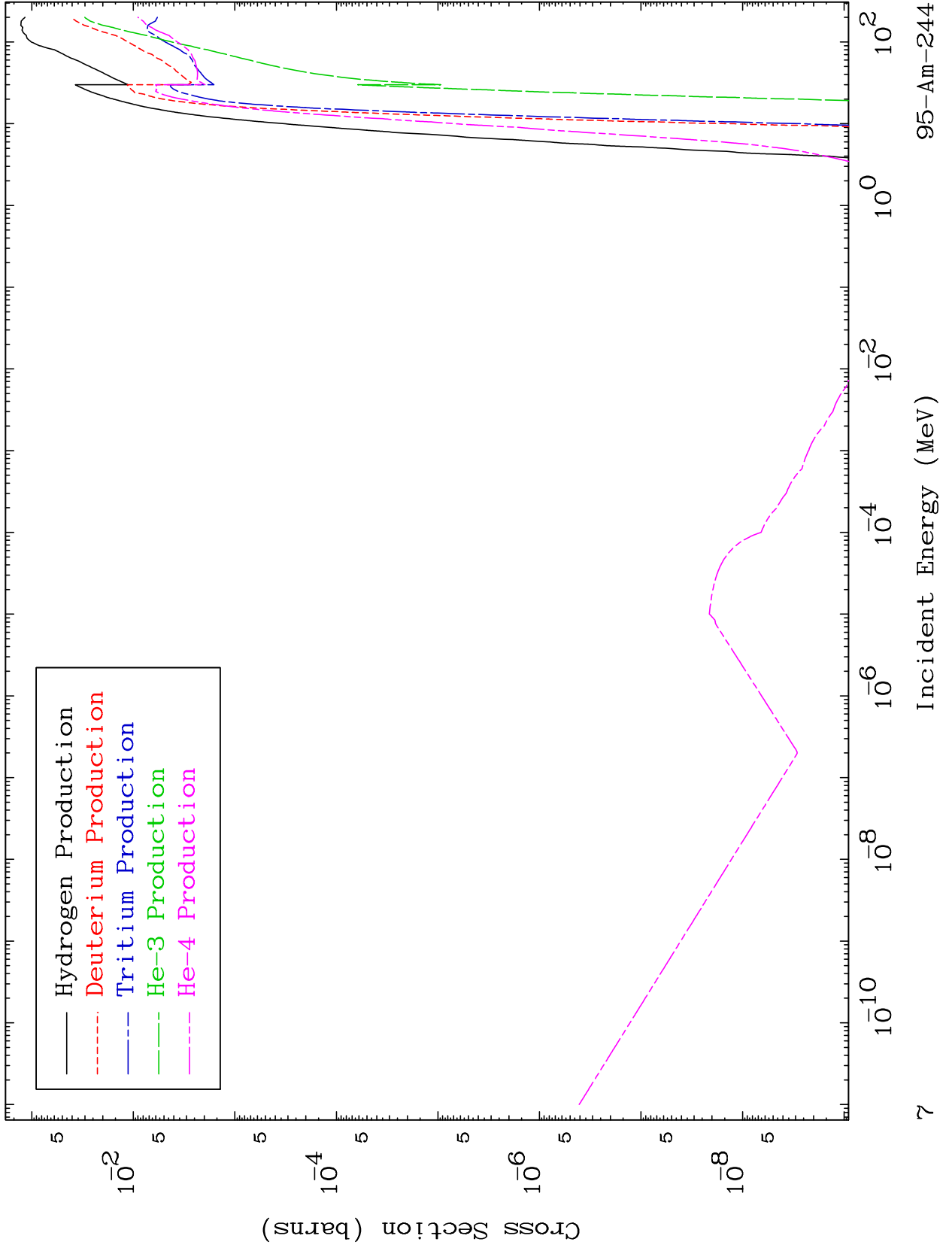
95-Am-244



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Particle Production  
293 Kelvin Cross Sections

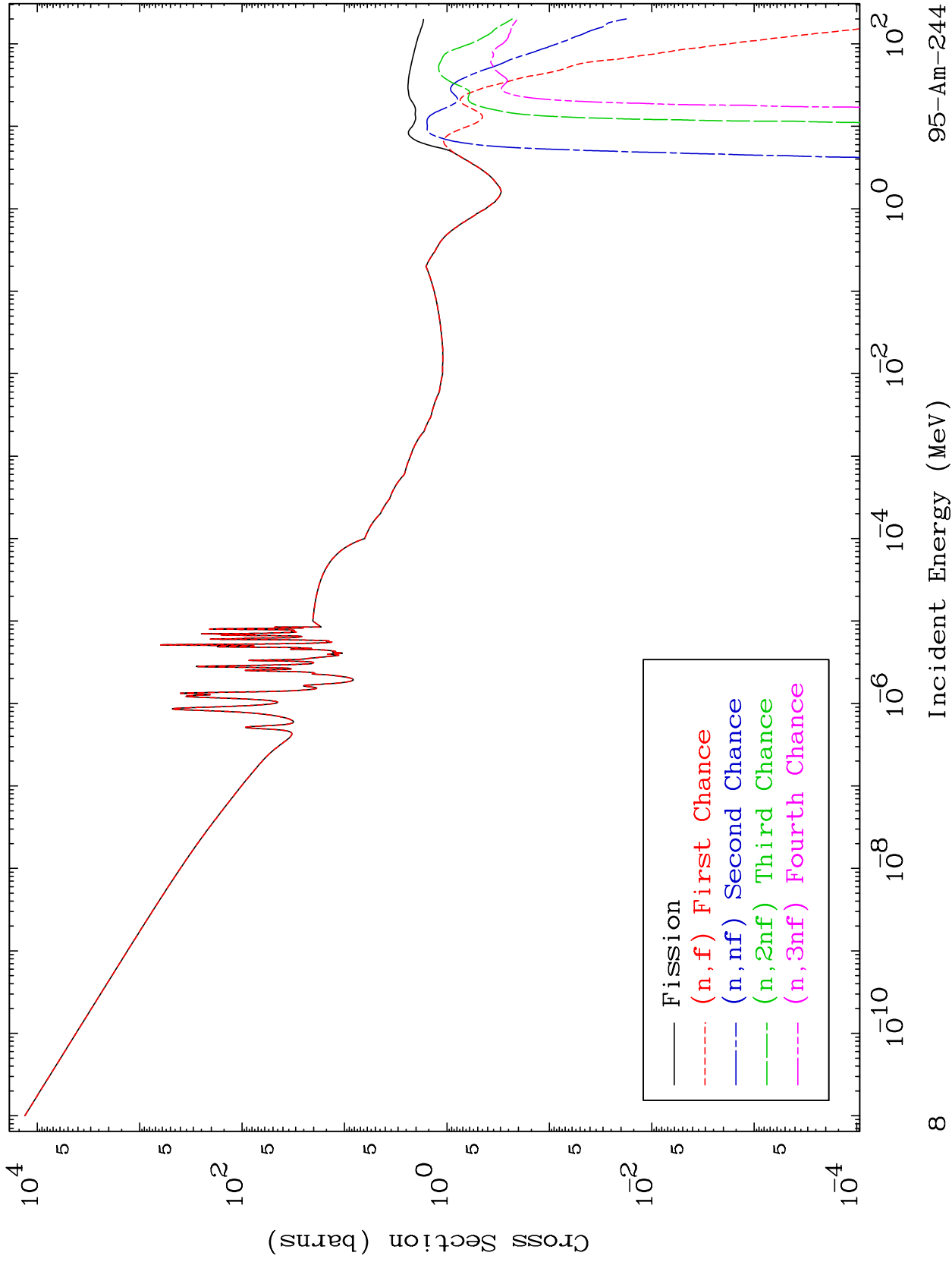
95-Am-244



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Fission  
293 Kelvin Cross Sections

95-Am-244

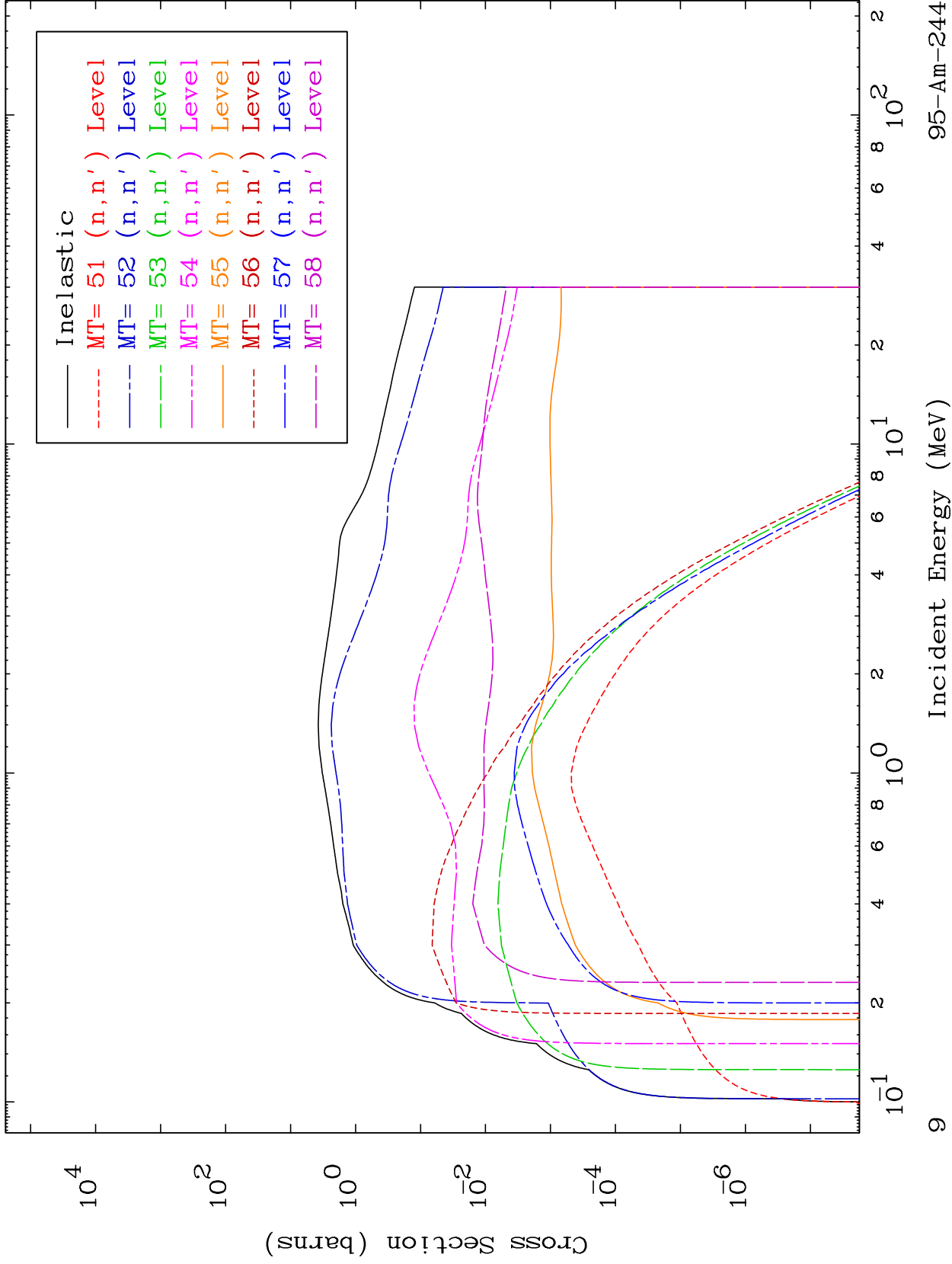


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(n,n') Levels

95-Am-244

293 Kelvin Cross Sections



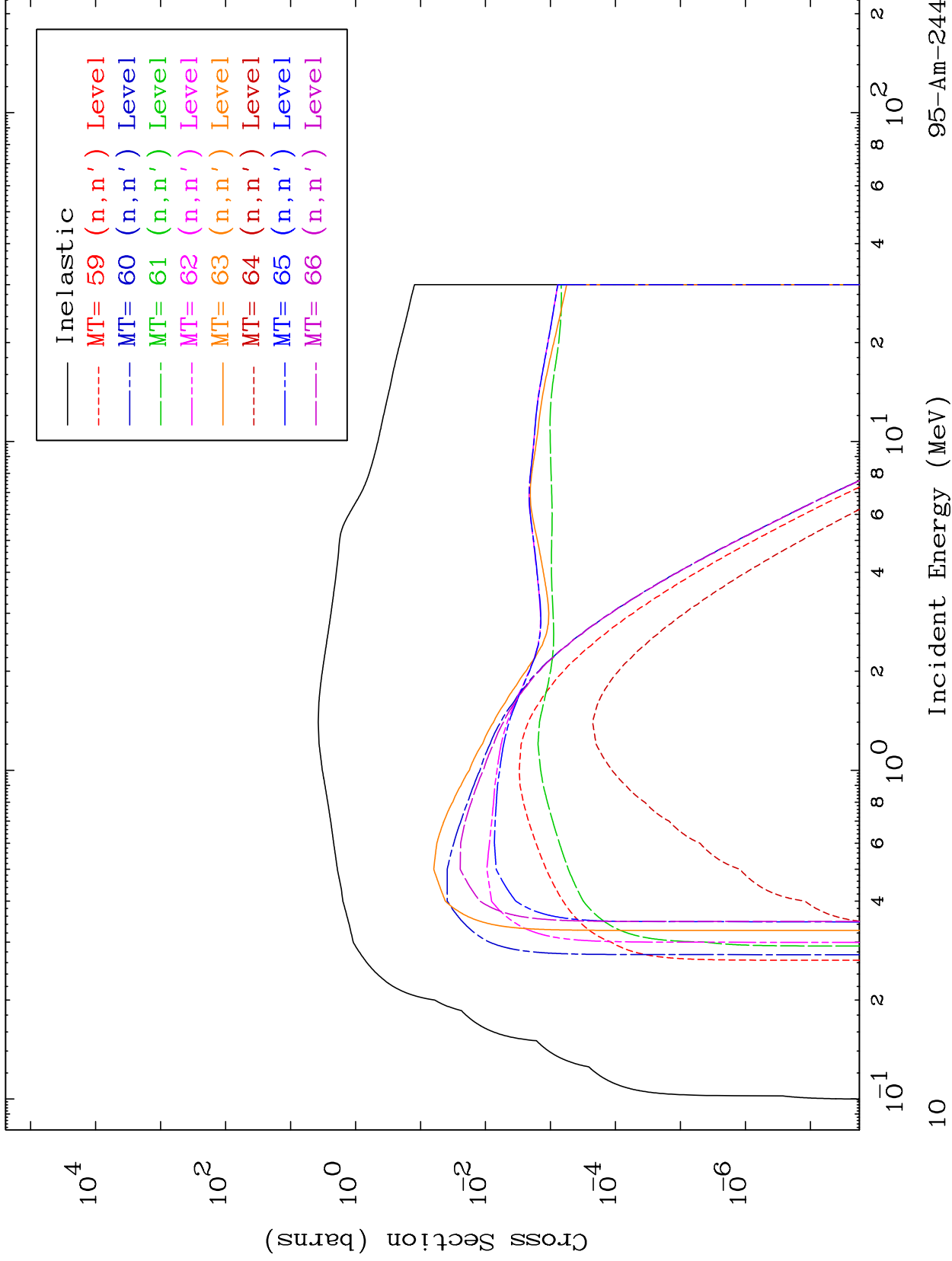
9

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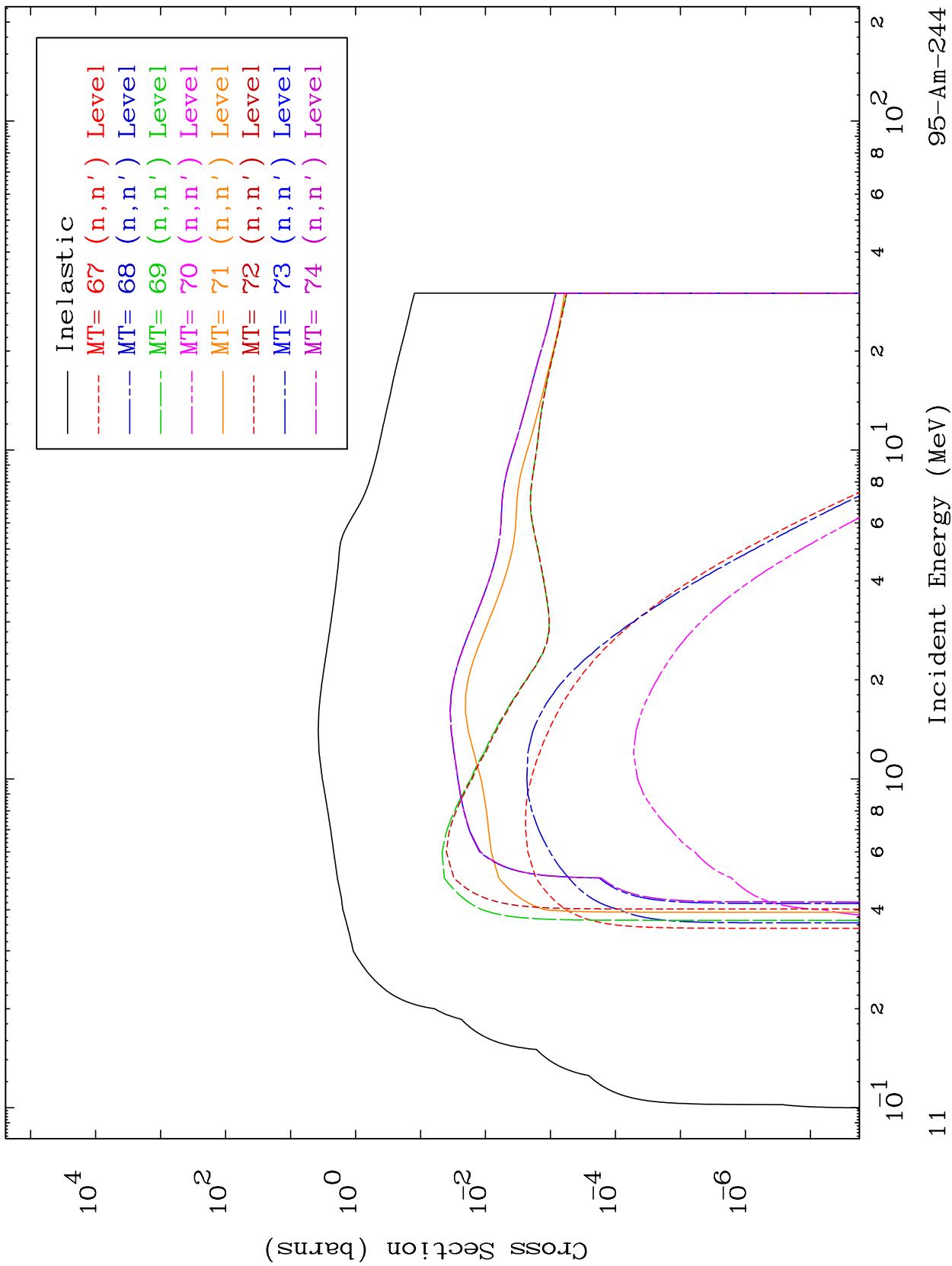
(n,n') Levels

95-Am-244

293 Kelvin Cross Sections



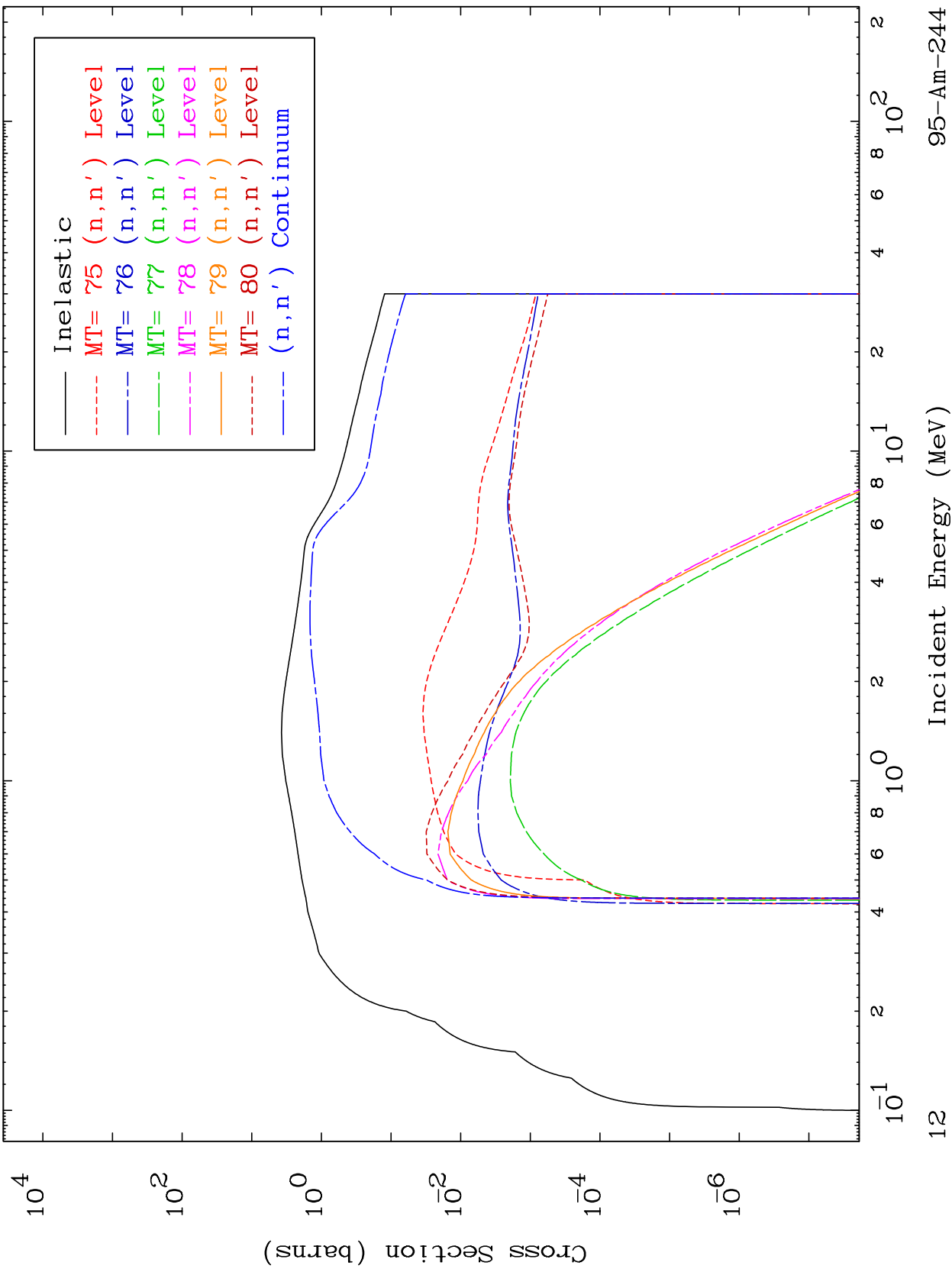
95-Am-244



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(n,n') Levels  
293 Kelvin Cross Sections

95-Am-244



95-Am-244

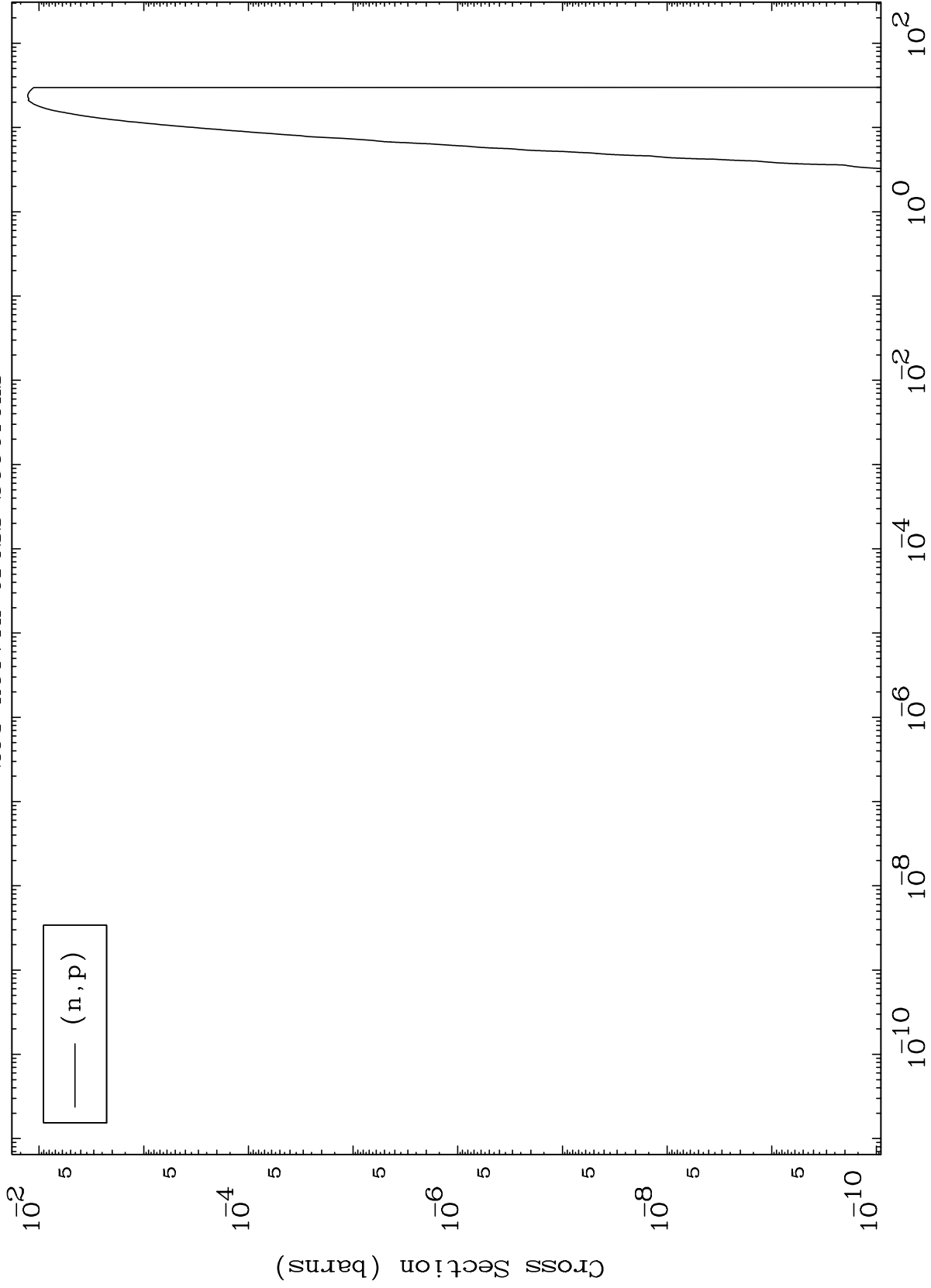
Incident Energy (MeV)

12

MAT 9552

(n,p) Levels  
293 Kelvin Cross Sections

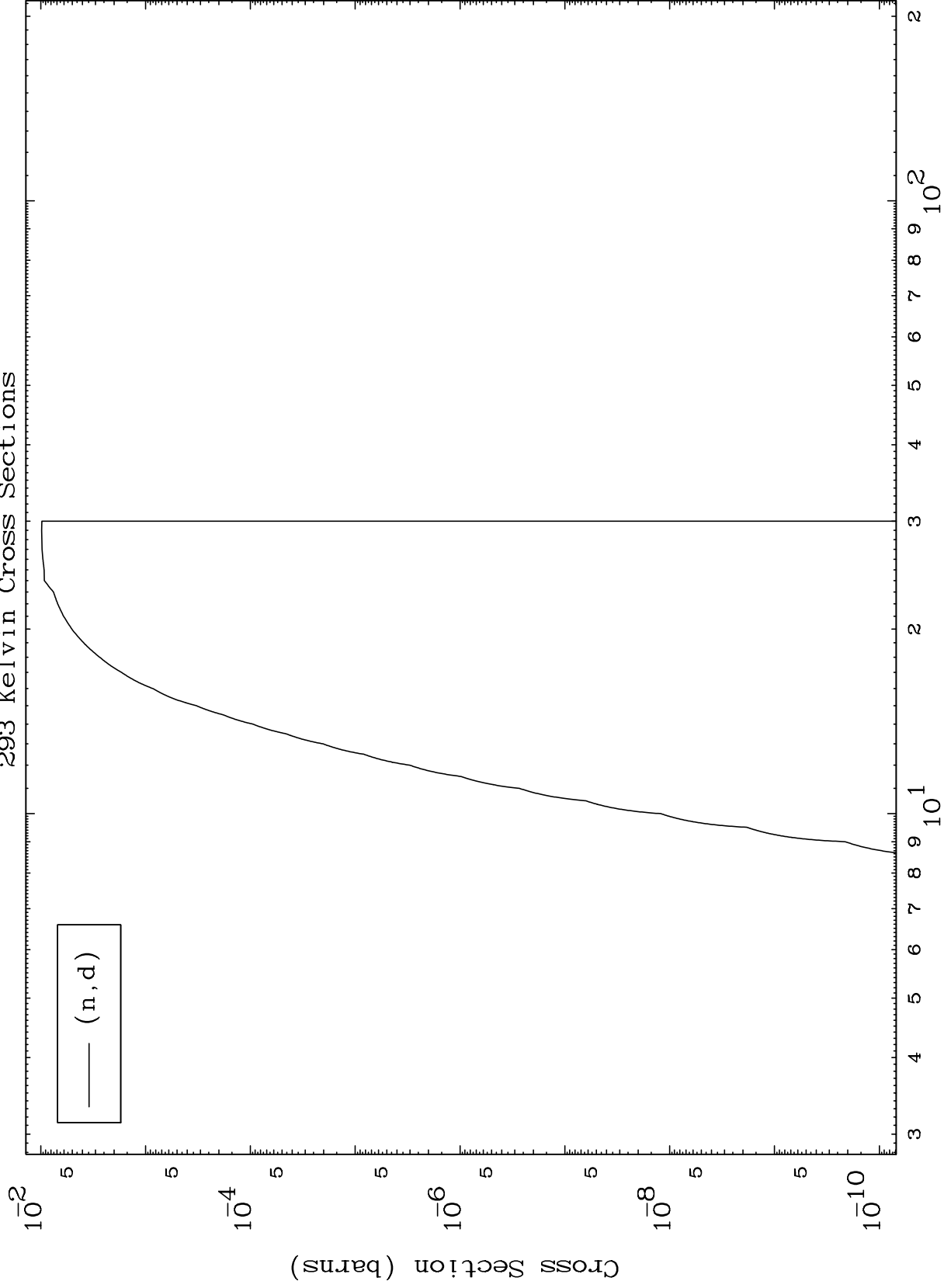
95-Am-244



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(n,d) Levels  
293 Kelvin Cross Sections

95-Am-244



14

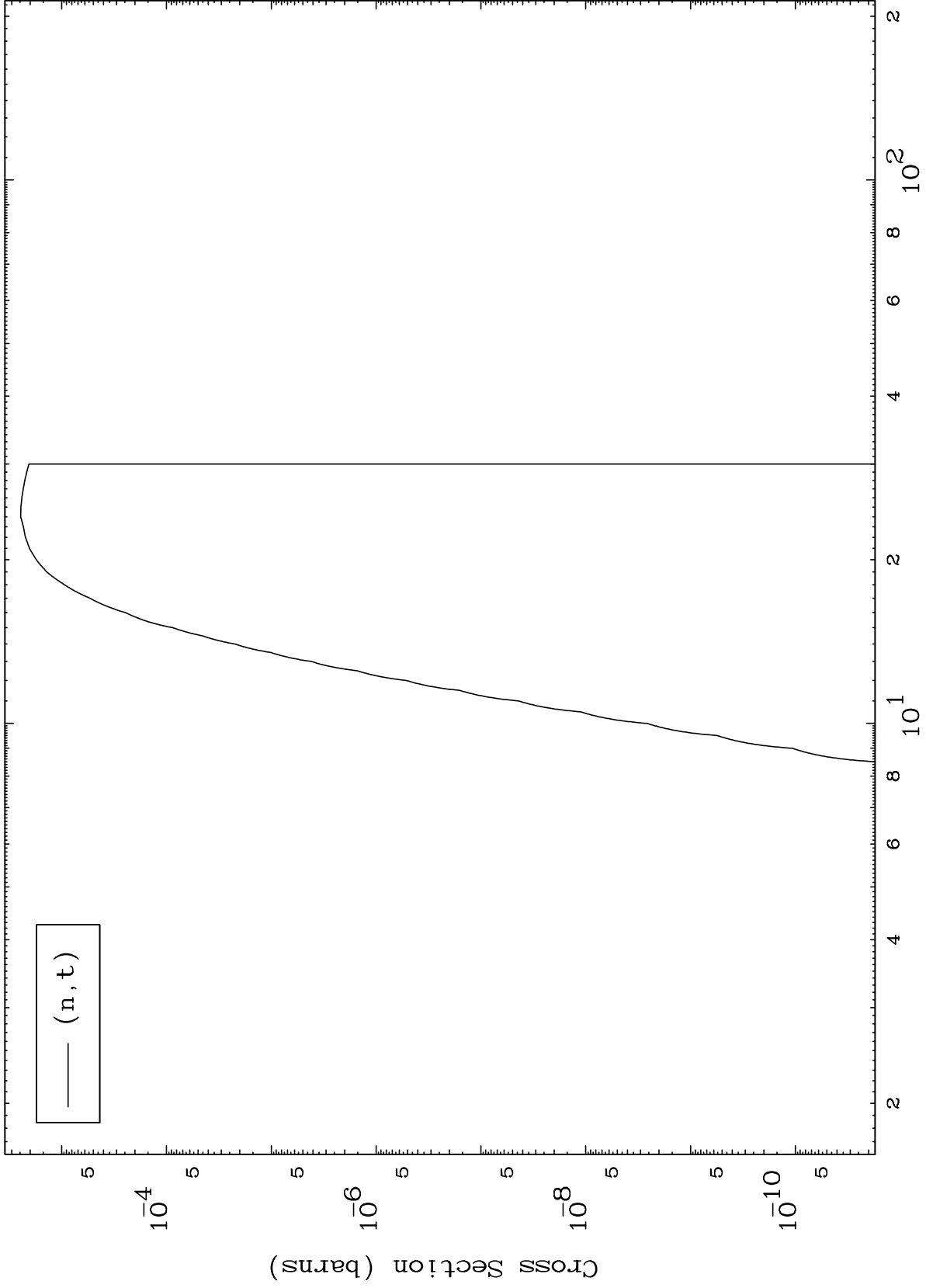
Incident Energy (MeV)

95-Am-244

MAT 9552

(n,t) Levels  
293 Kelvin Cross Sections

95-Am-244



15

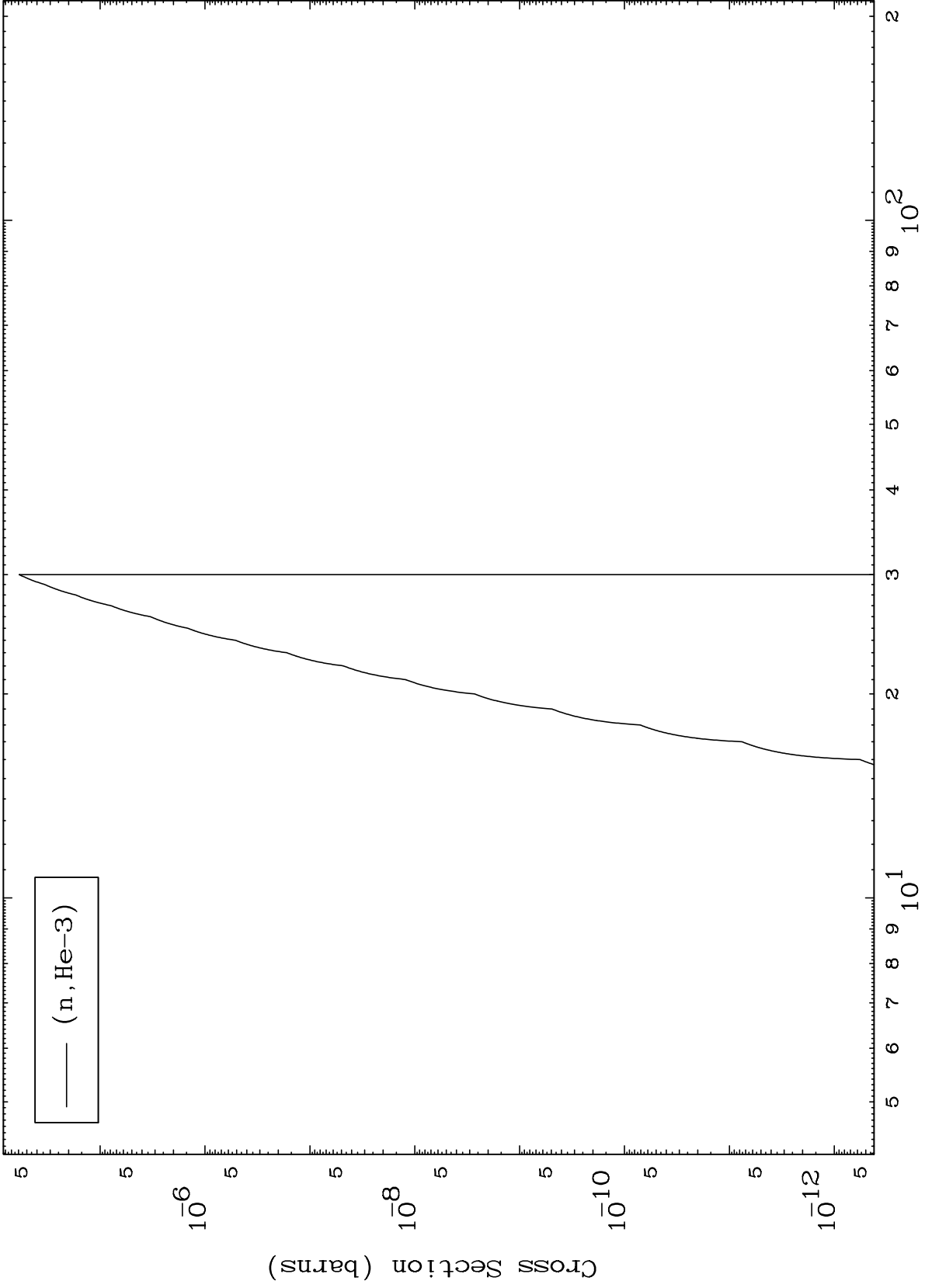
Incident Energy (MeV)

95-Am-244

MAT 9552

(n,He3) Levels  
293 Kelvin Cross Sections

95-Am-244



16

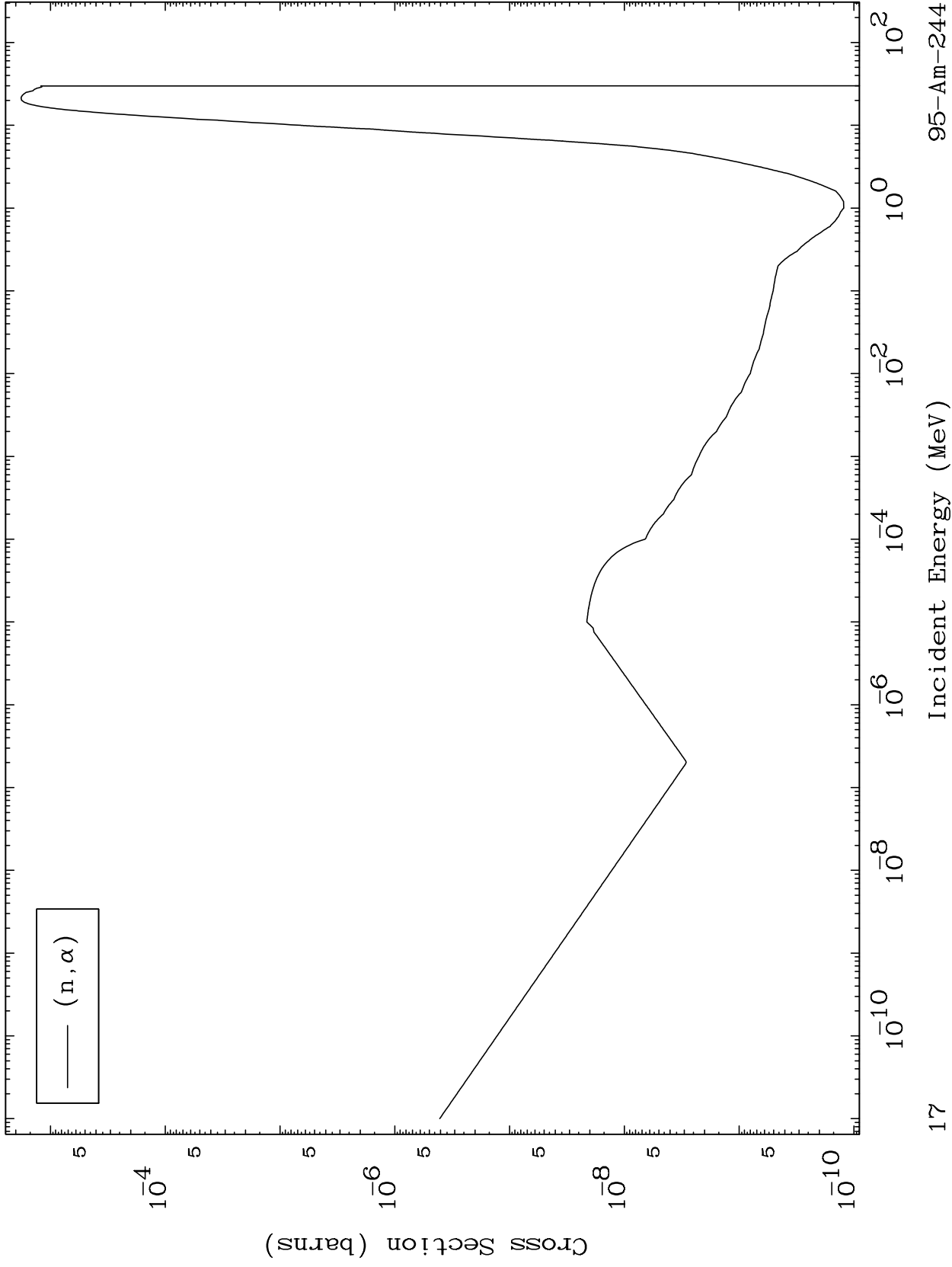
Incident Energy (MeV)

95-Am-244

MAT 9552

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

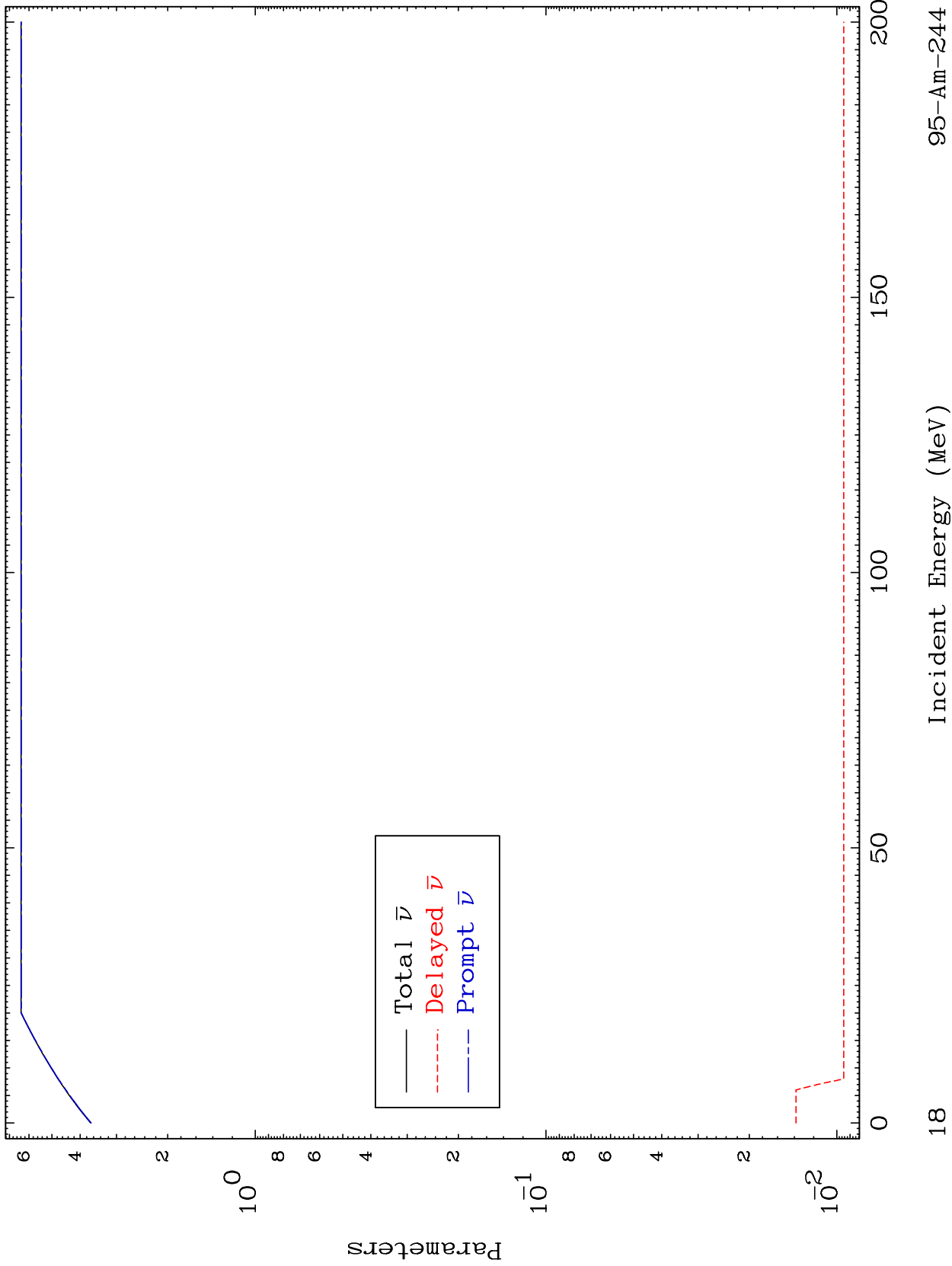
95-Am-244



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Energy Release  
Parameters

95-Am-244



18

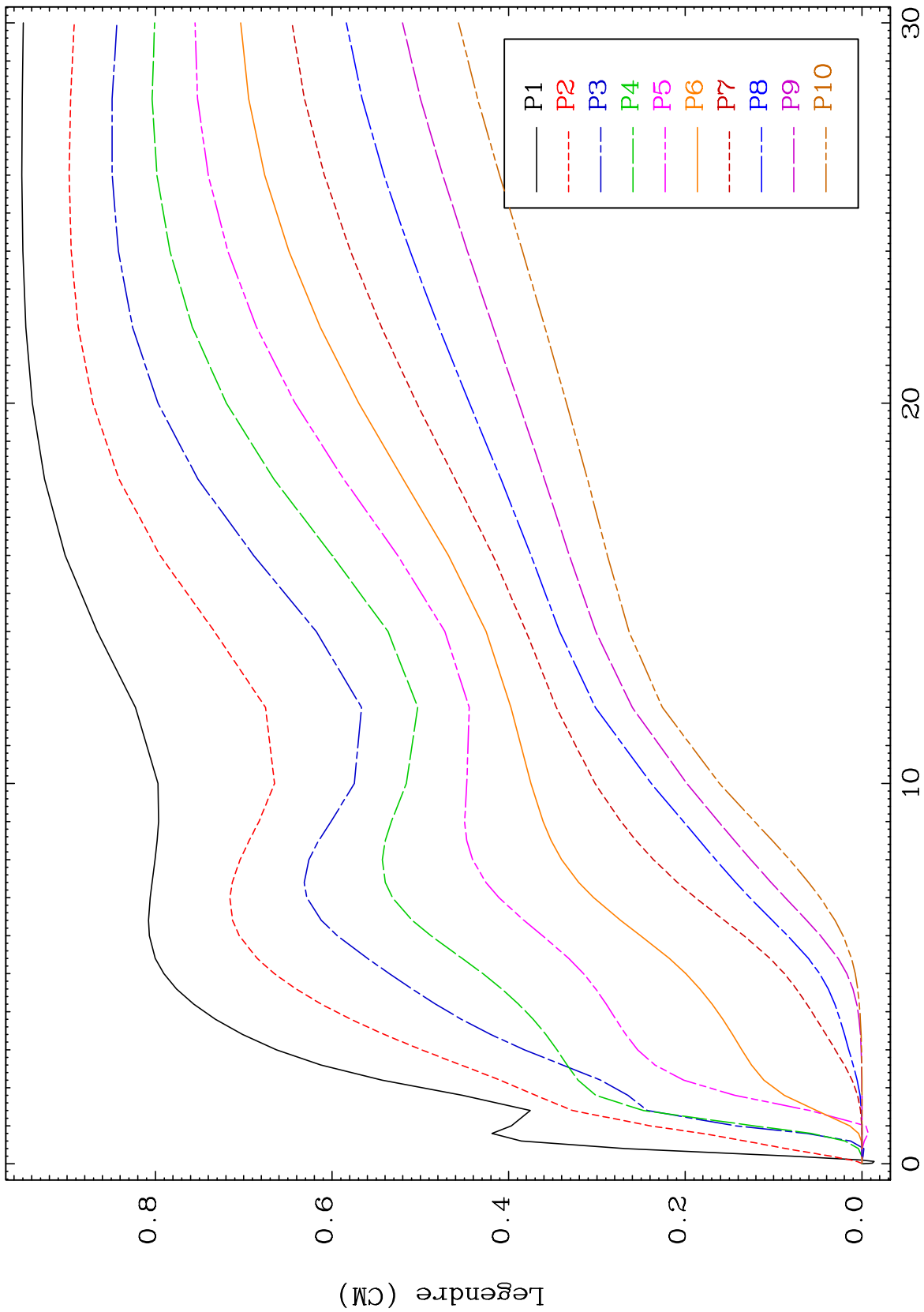
Incident Energy (MeV)

95-Am-244

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95-Am-244

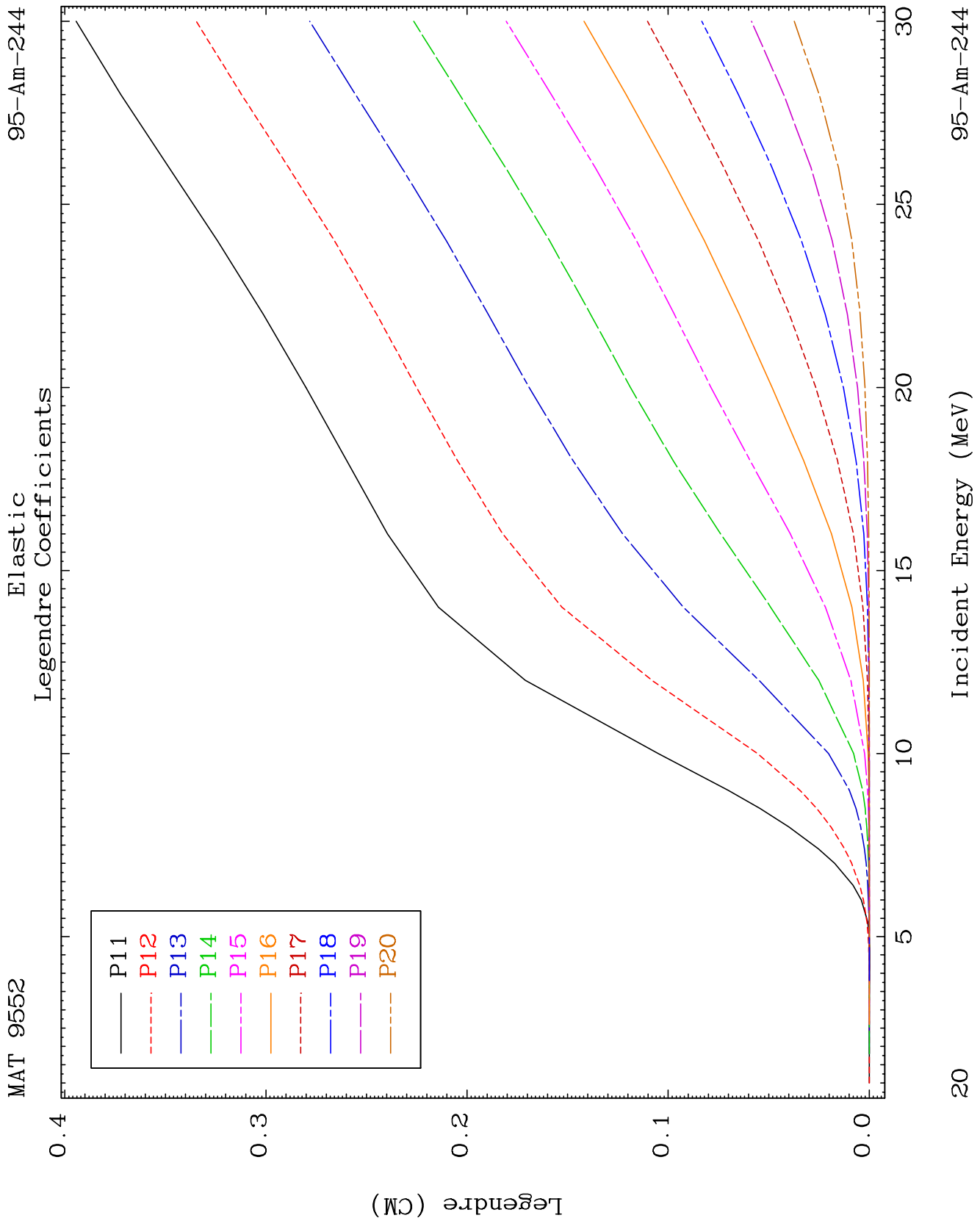
Elastic Legendre Coefficients



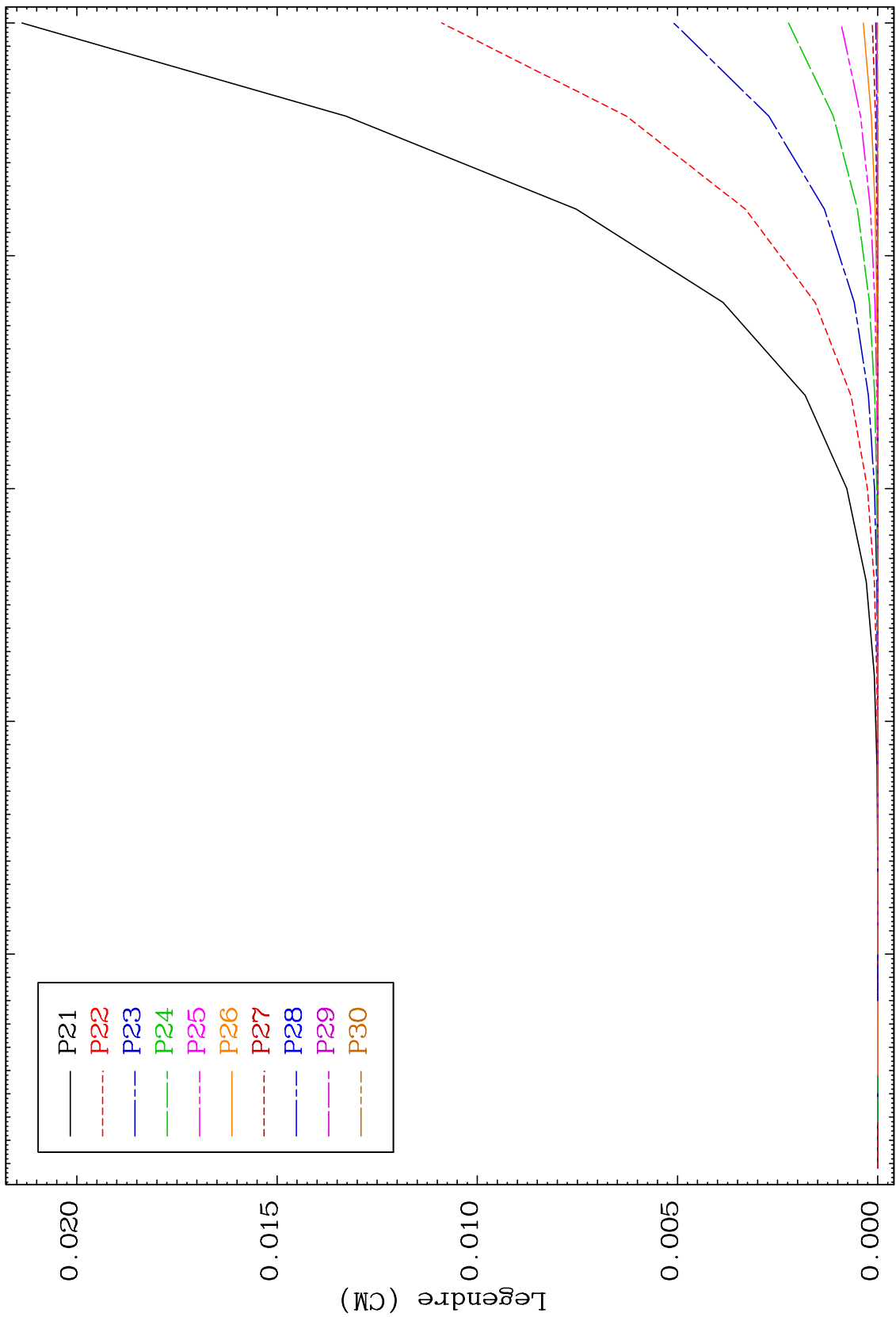
19

Incident Energy (MeV)

95-Am-244



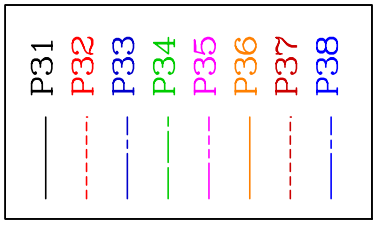
Elastic Legendre Coefficients



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Elastic Legendre Coefficients

95-Am-244



$\times 10^{-6}$

Legendre (CM)

1.5

1.0

0.5

0.0

15

20

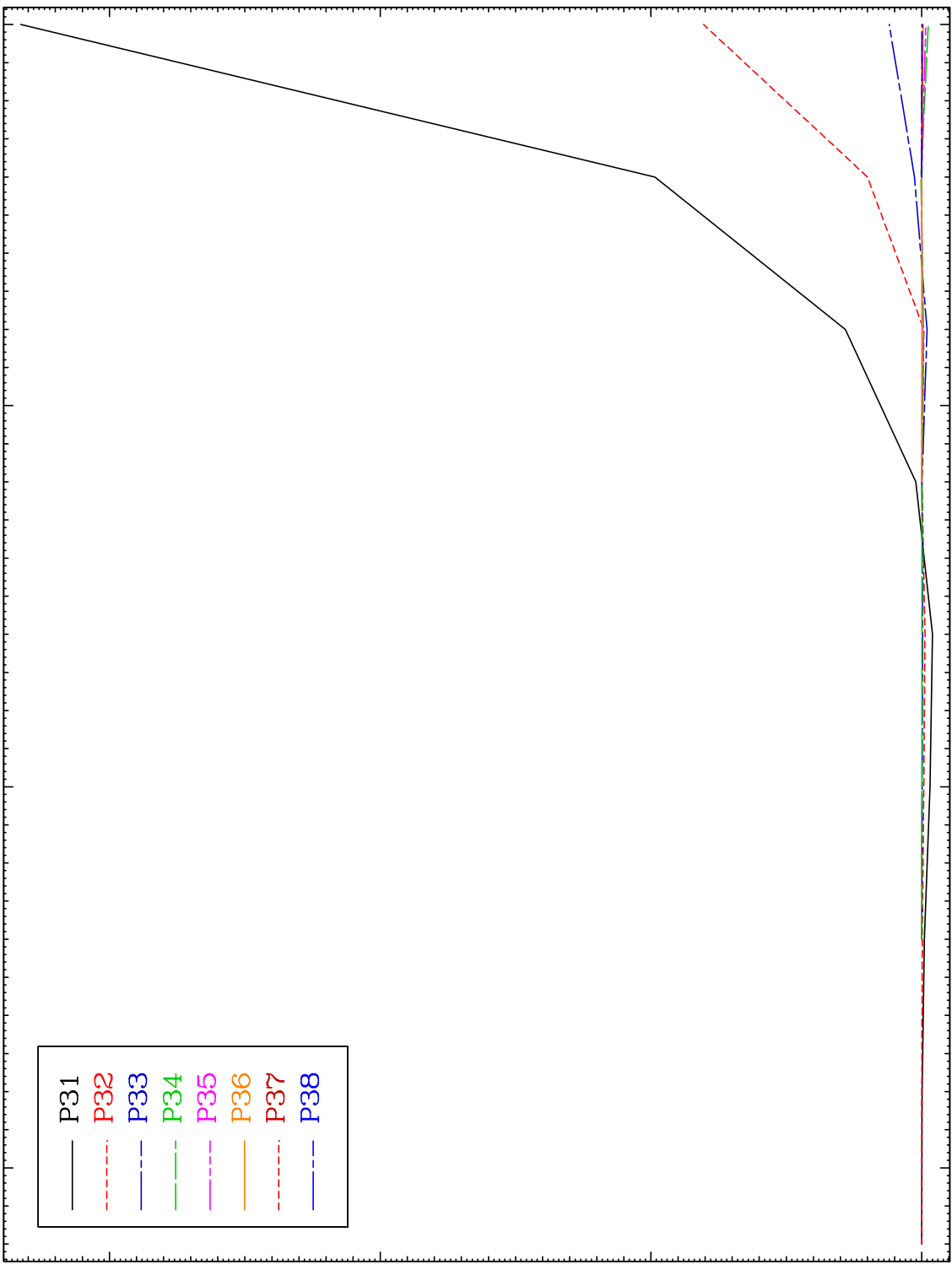
25

30

22

Incident Energy (MeV)

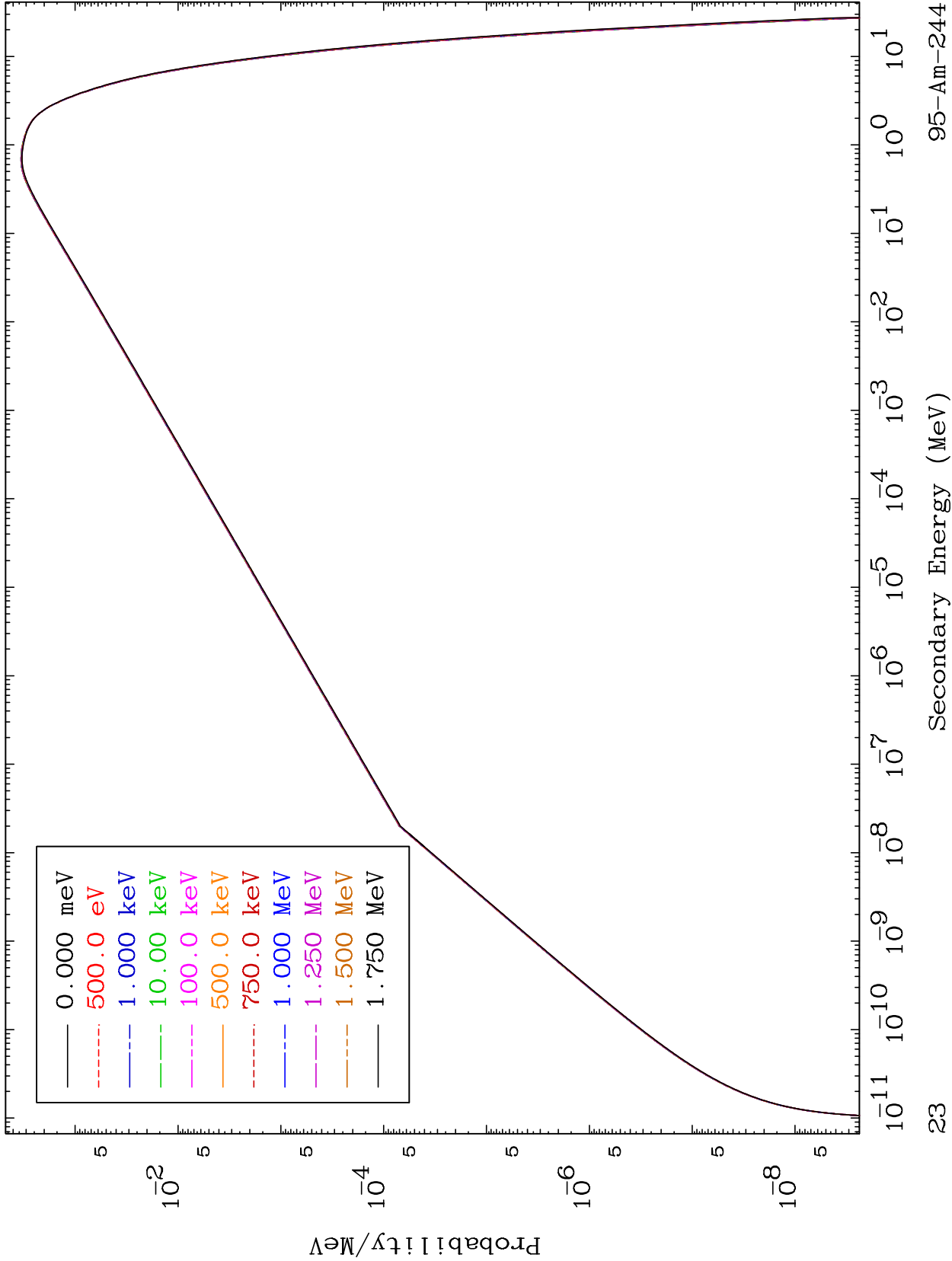
95-Am-244



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### Fission Energy Distributions

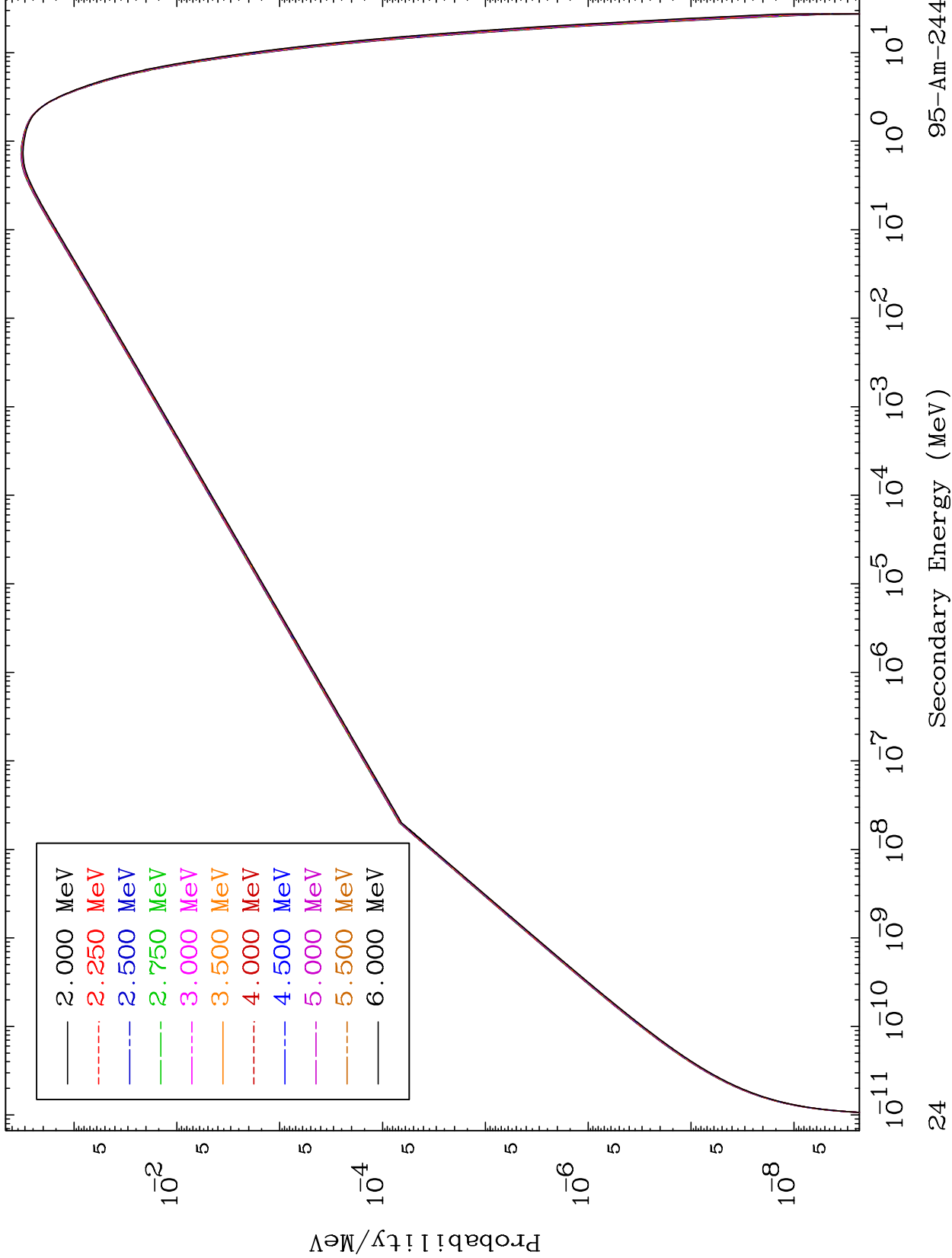
95-Am-244



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### Fission Energy Distributions

95-Am-244



95-Am-244

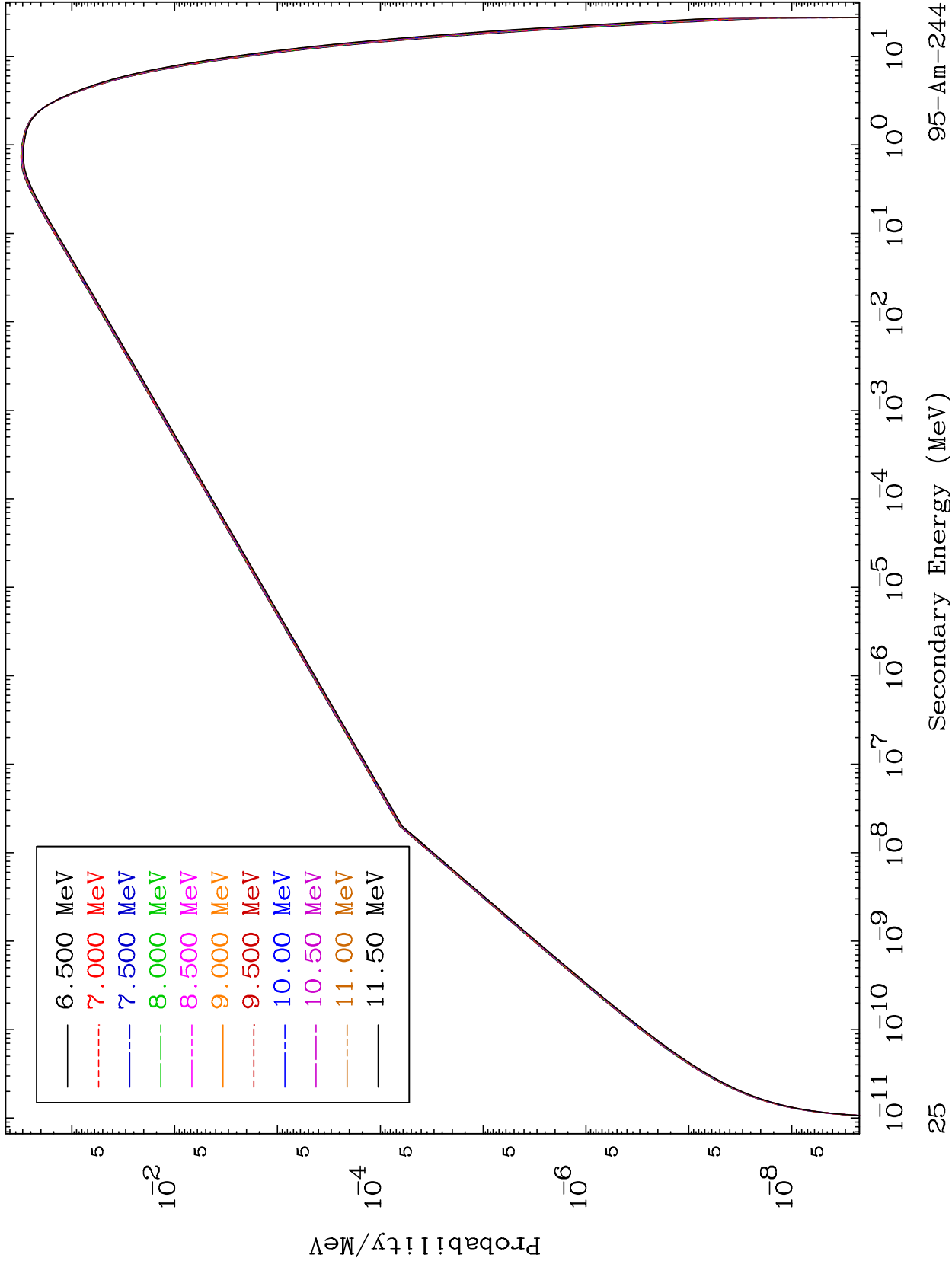
Secondary Energy (MeV)

24

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### Fission Energy Distributions

95-Am-244

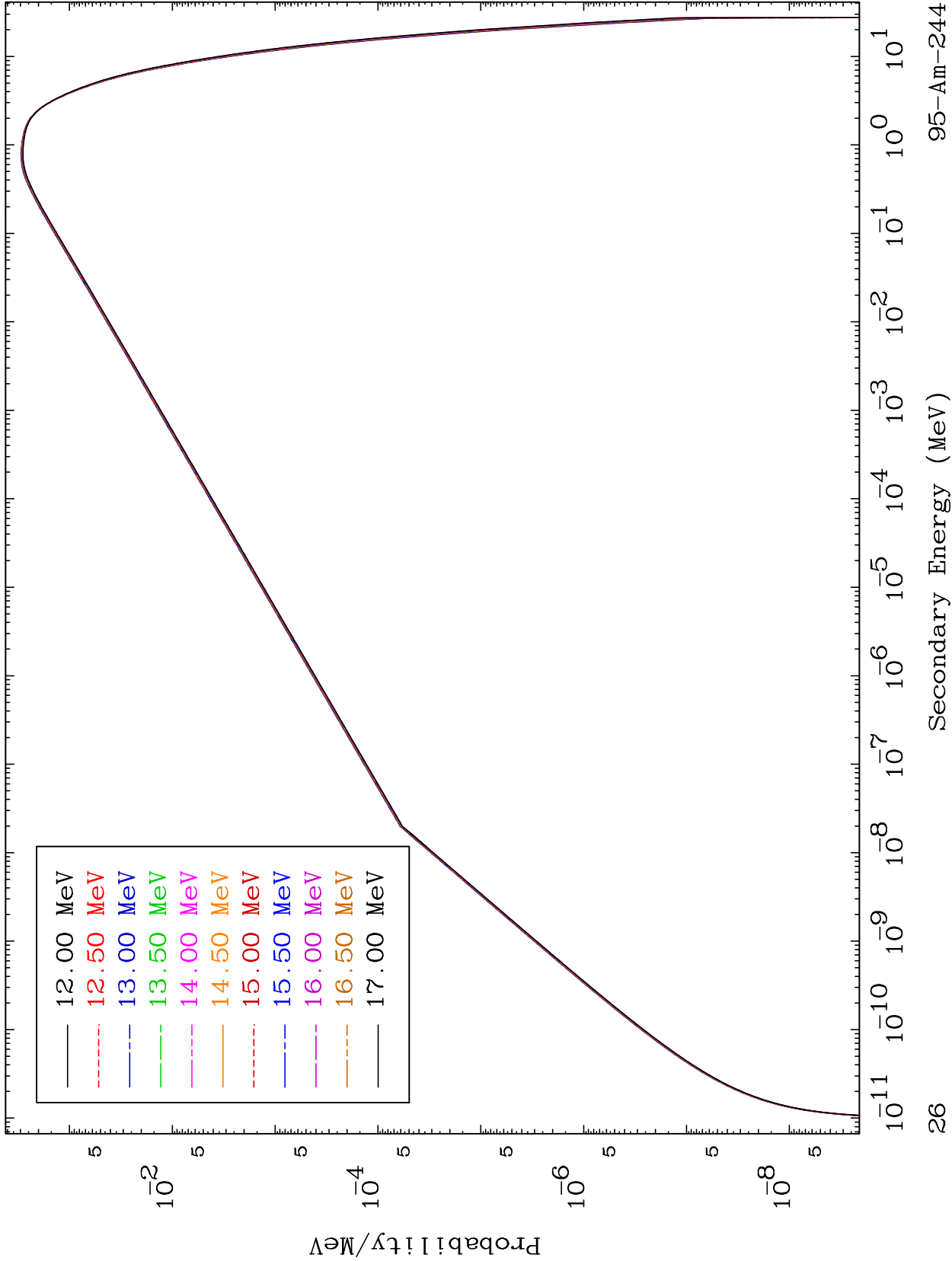


95-Am-244

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### Fission Energy Distributions

95-Am-244



95-Am-244

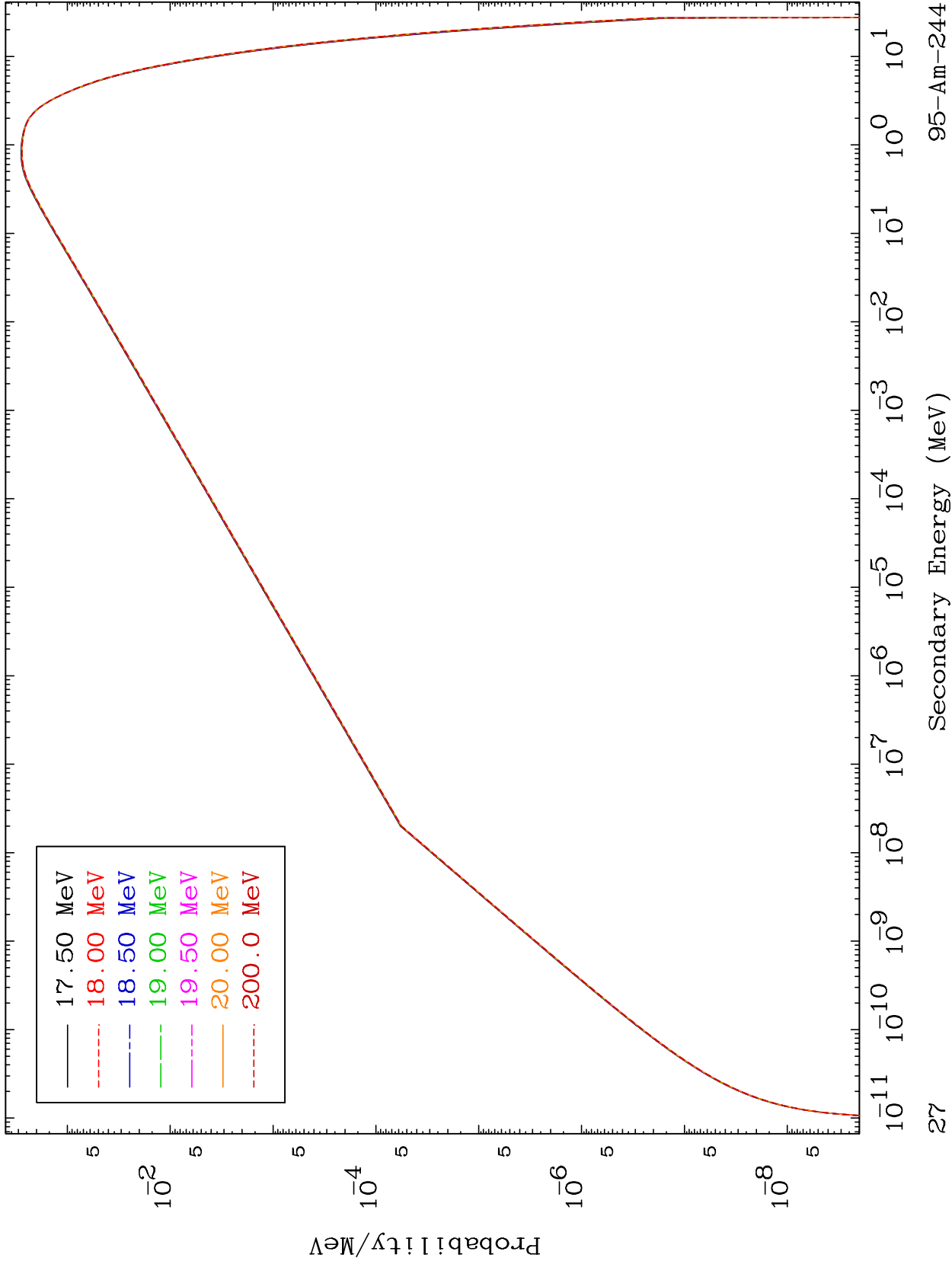
Secondary Energy (MeV)

26

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### Fission Energy Distributions

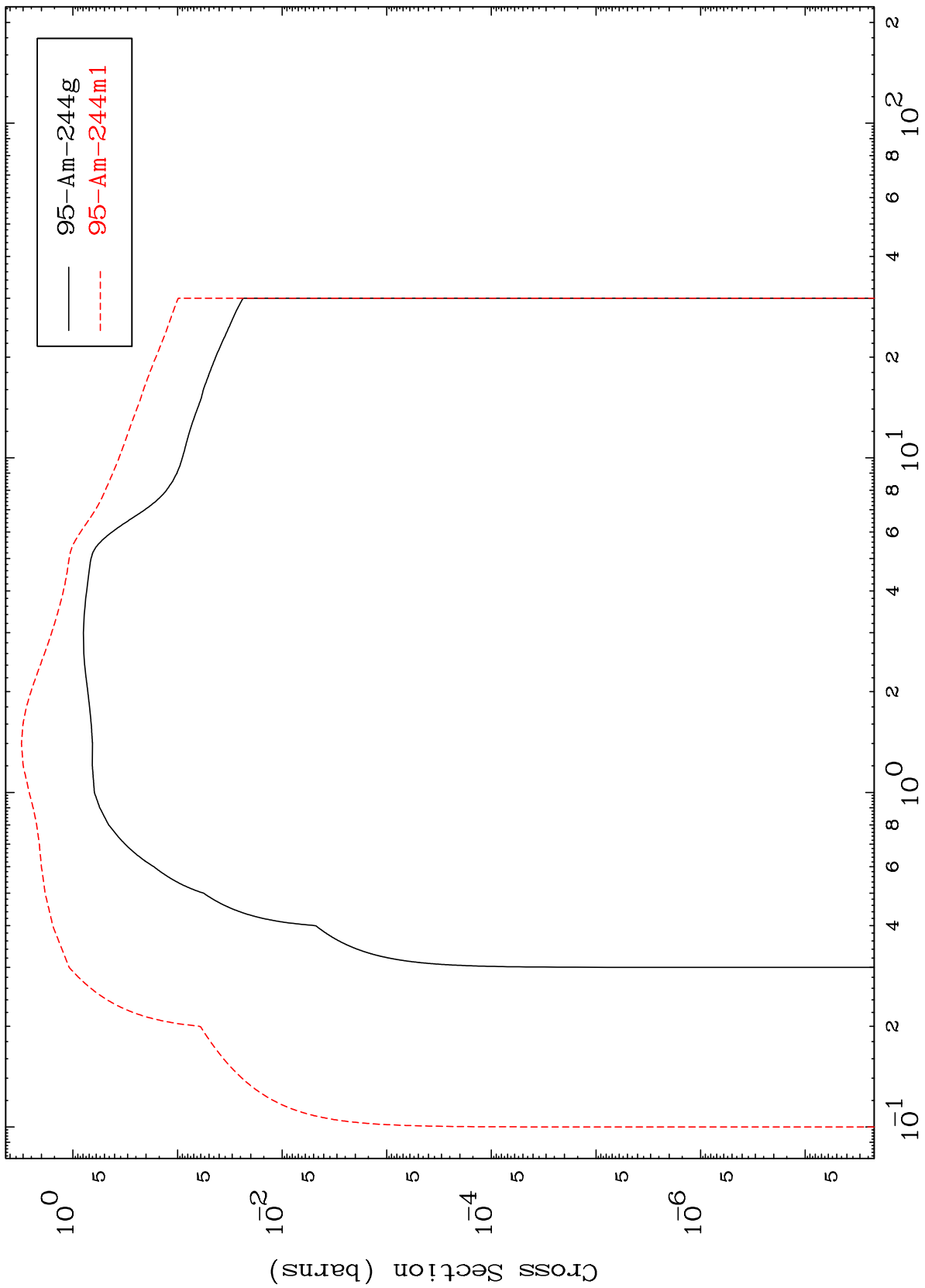
95-Am-244



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95-Am-244

### Inelastic Radionuclide Production Cross Section



95-Am-244g  
95-Am-244m1

95-Am-244

Incident Energy (MeV)

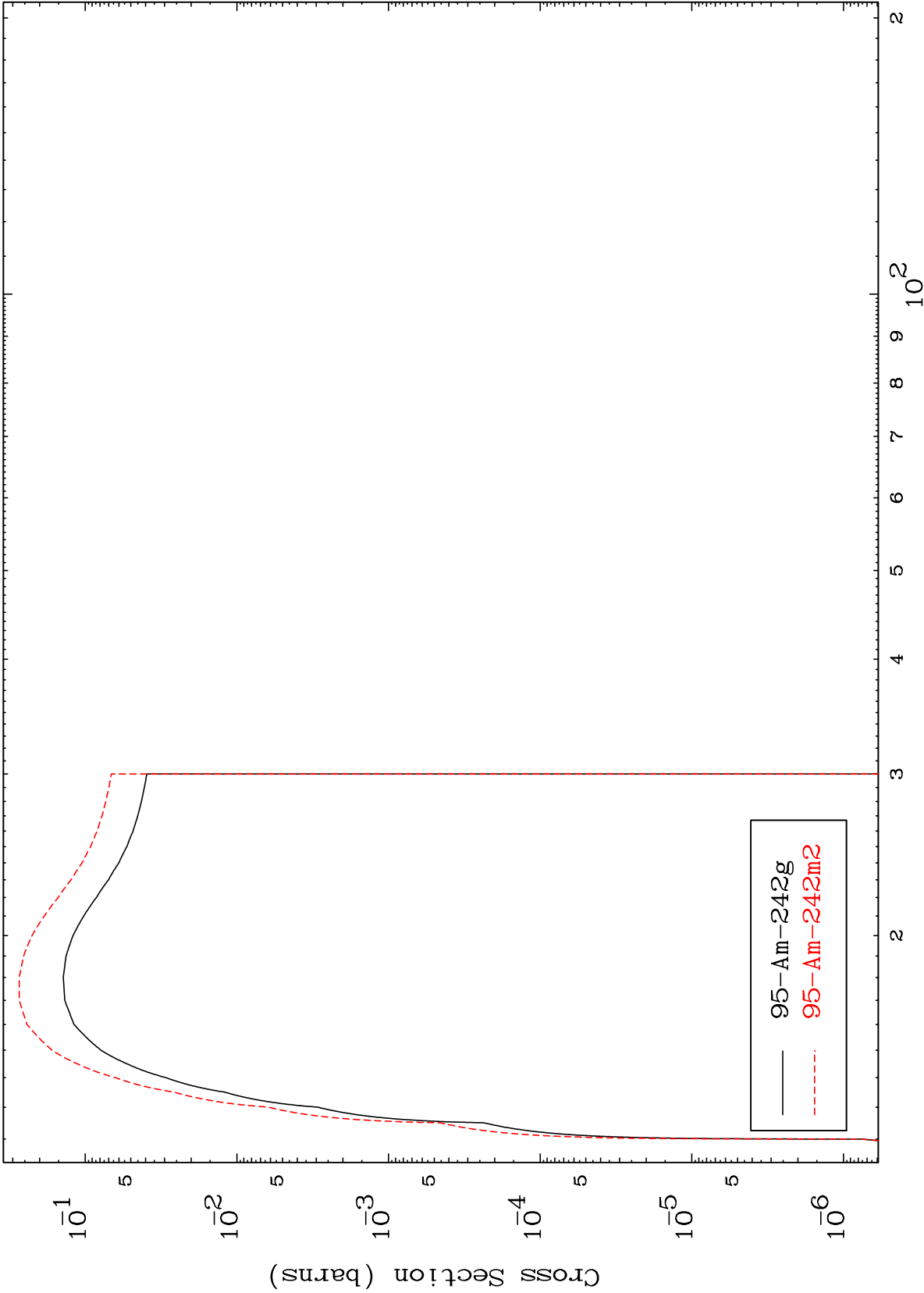
28

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(n,3n)

95-Am-244

Radionuclide Production Cross Section

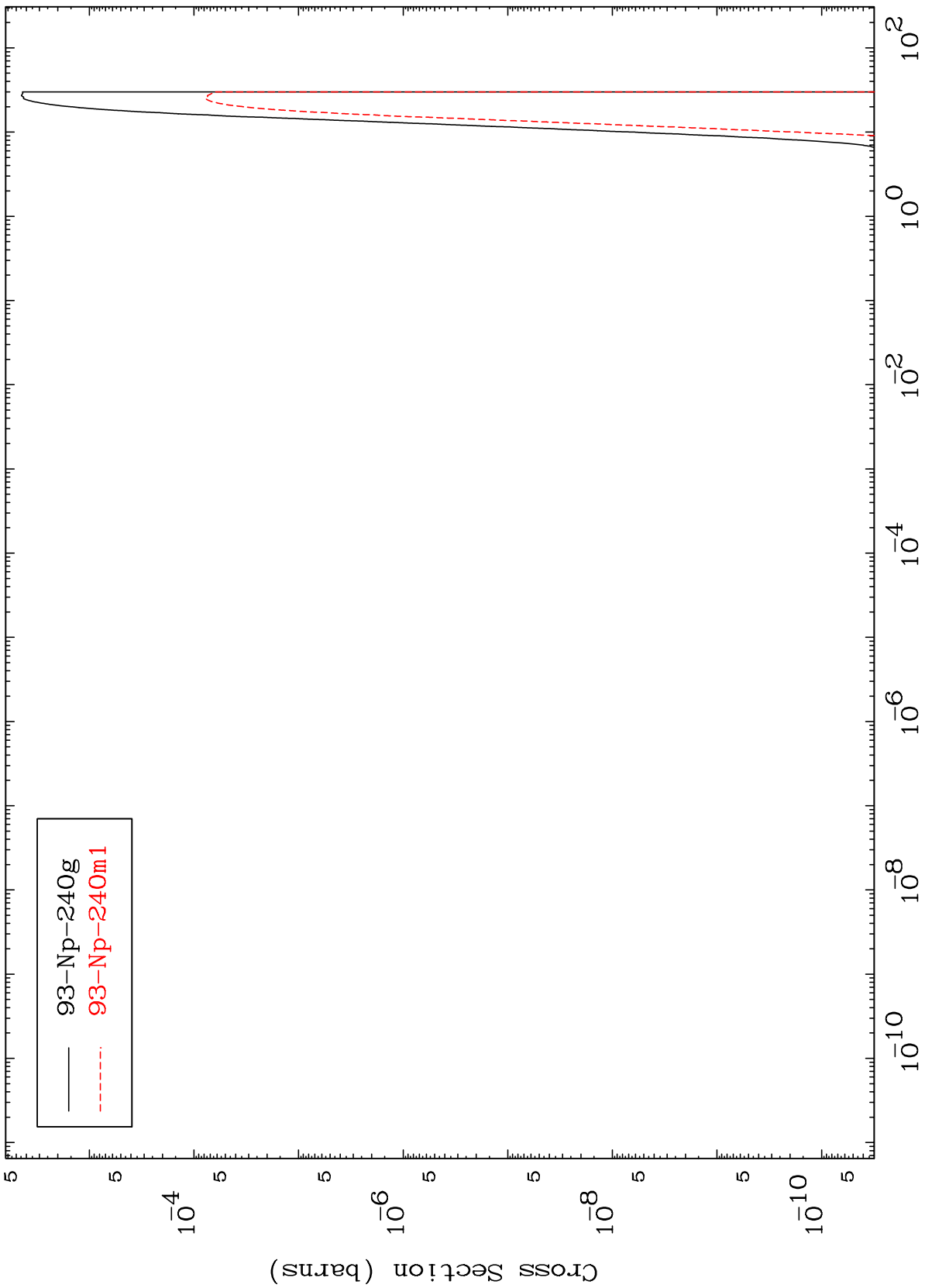


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$(n, n') \alpha$

95-Am-244

Radionuclide Production Cross Section



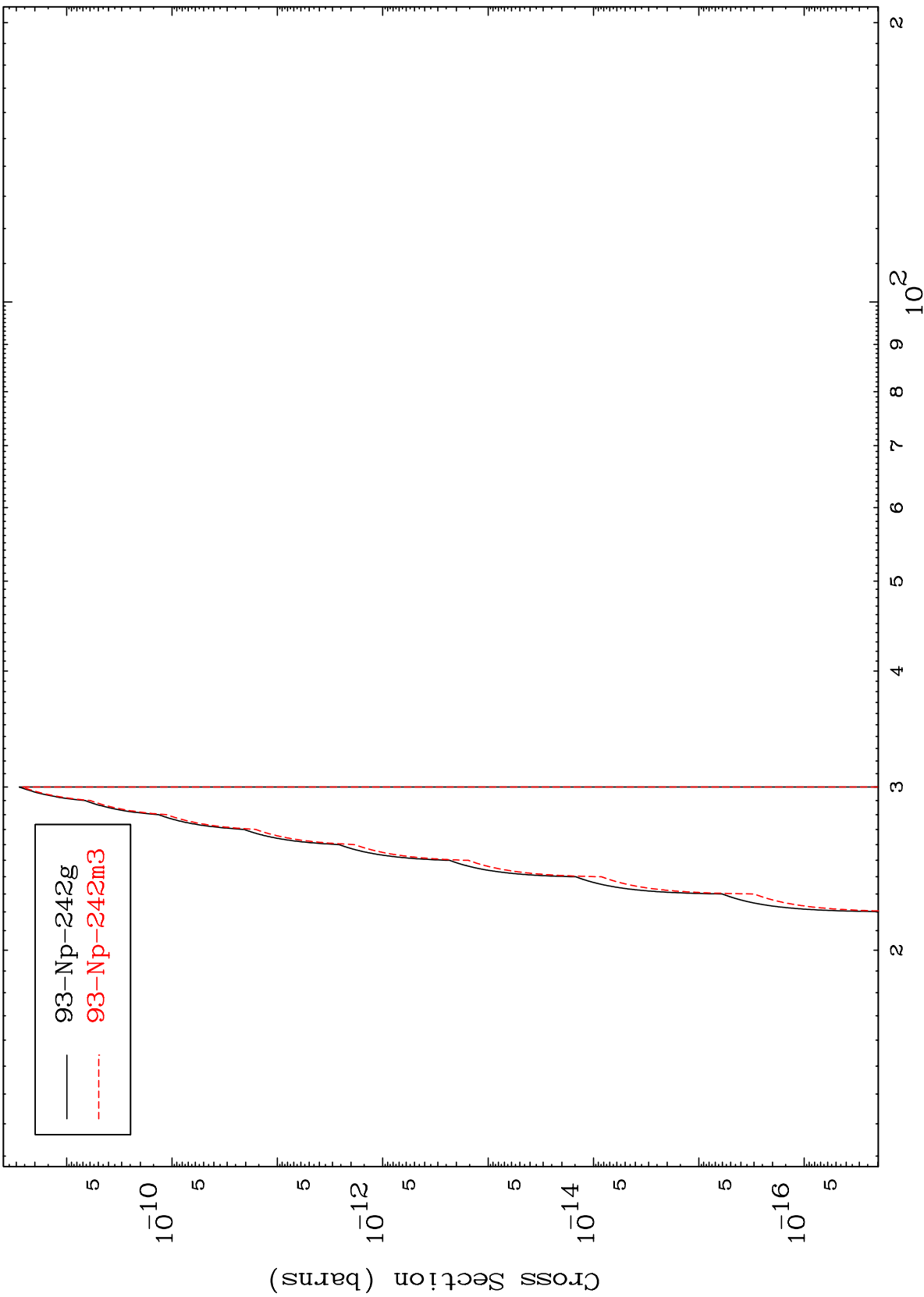
— 93-Np-240g  
- - - 93-Np-240m1

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(n,2n) p

95-Am-244

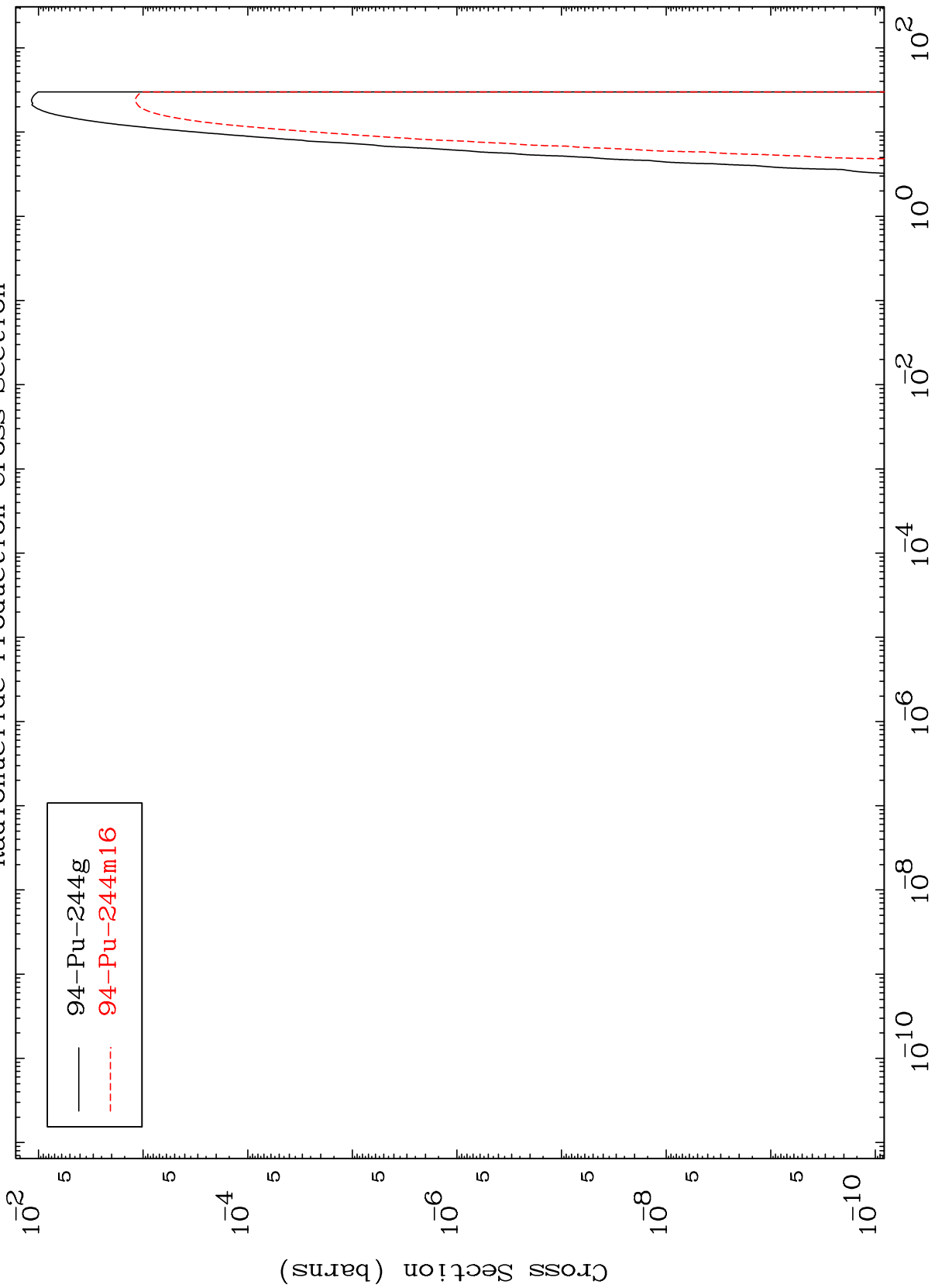
Radionuclide Production Cross Section



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95-Am-244

(n,p)  
Radionuclide Production Cross Section



94-Pu-244g  
94-Pu-244m16

95-Am-244

Incident Energy (MeV)

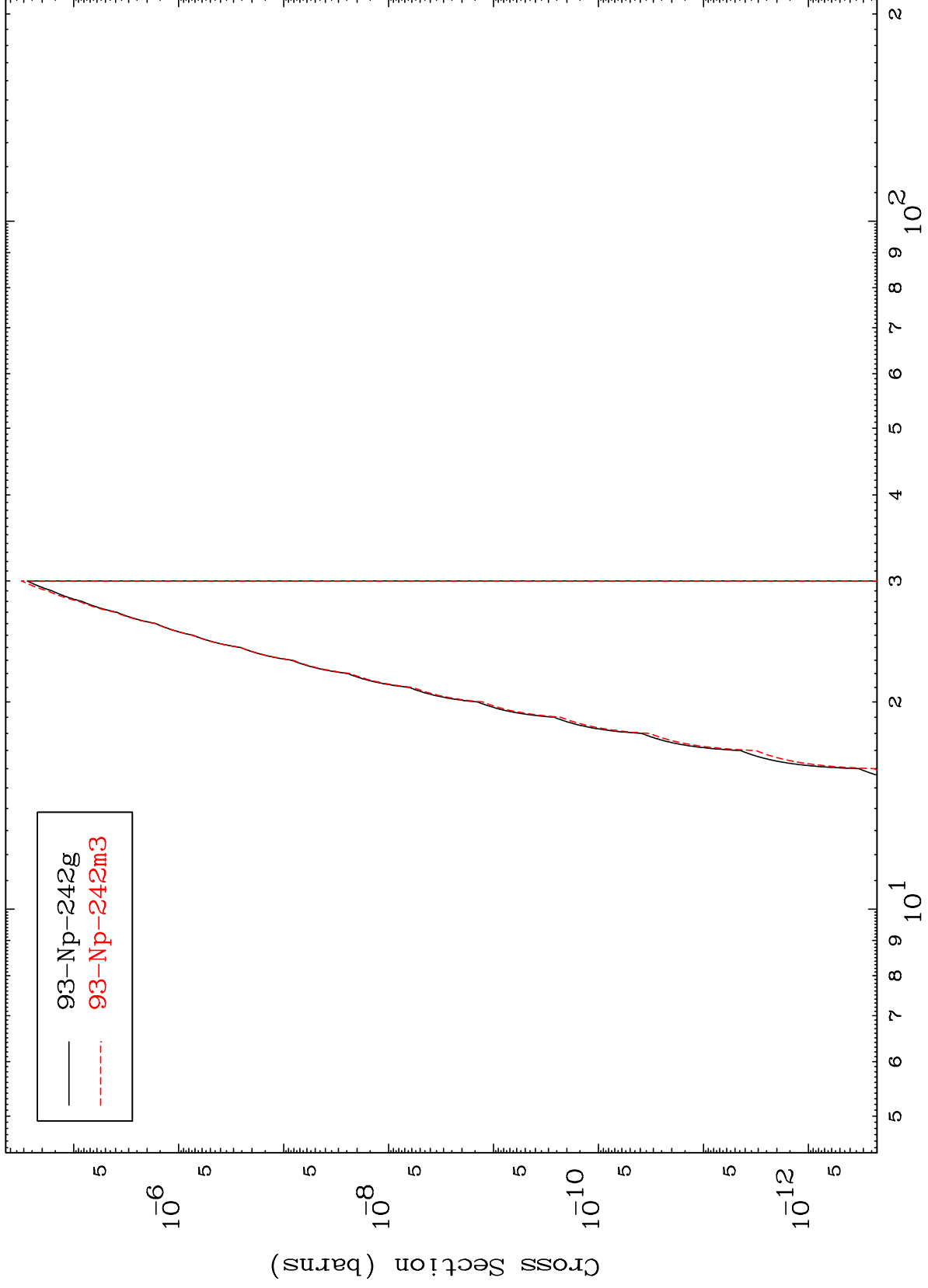
32

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(n,He-3)

95-Am-244

Radionuclide Production Cross Section



93-Np-242g  
93-Np-242m3

33

Incident Energy (MeV)

95-Am-244