

Program EVALPLOT  
(Version 2018-1)

by

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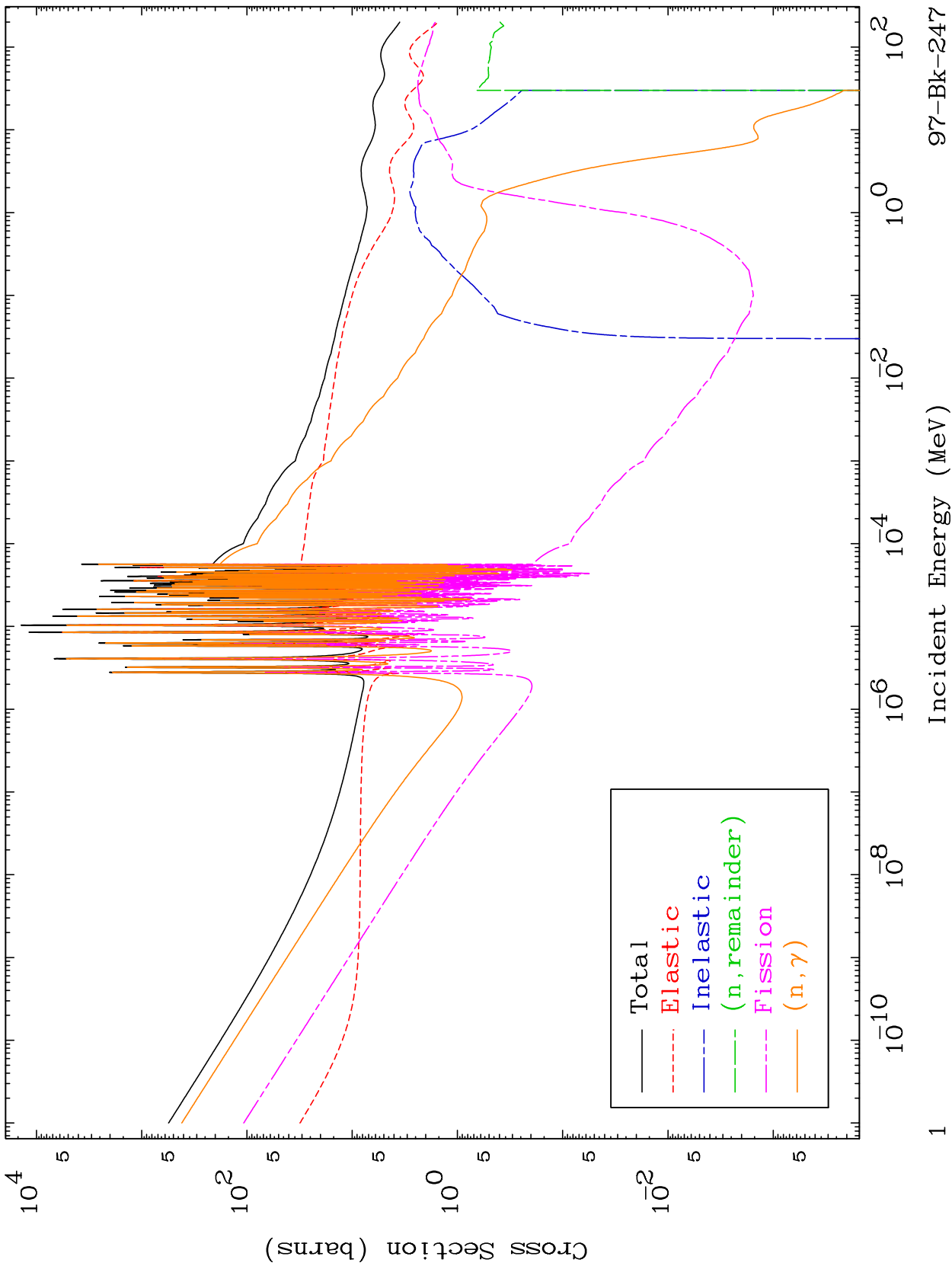
Press Mouse Button to Start

MAT 9746

Major

293 Kelvin Cross Sections

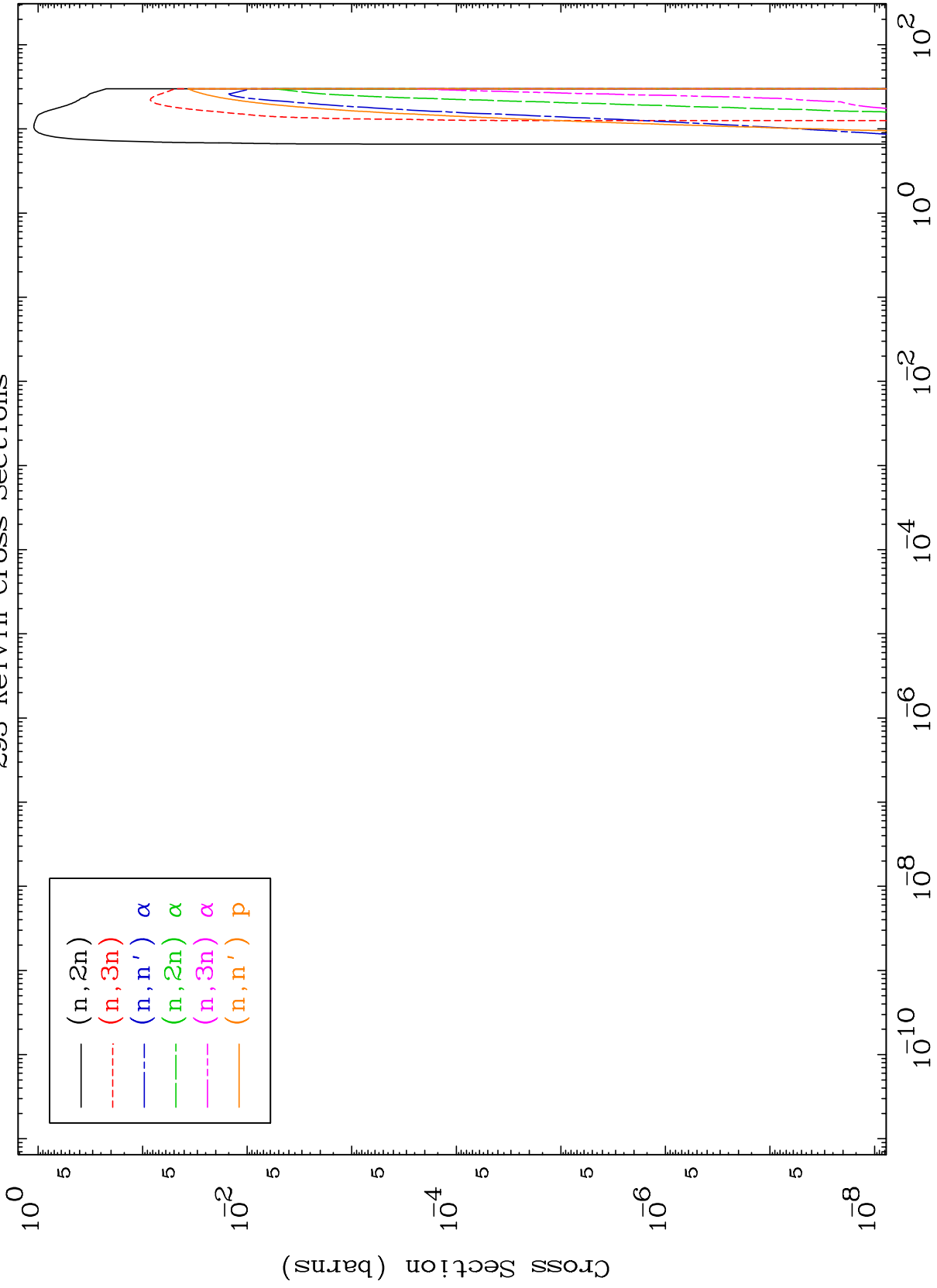
97-Bk-247



MAT 9746

Neutron Production  
293 Kelvin Cross Sections

97-Bk-247



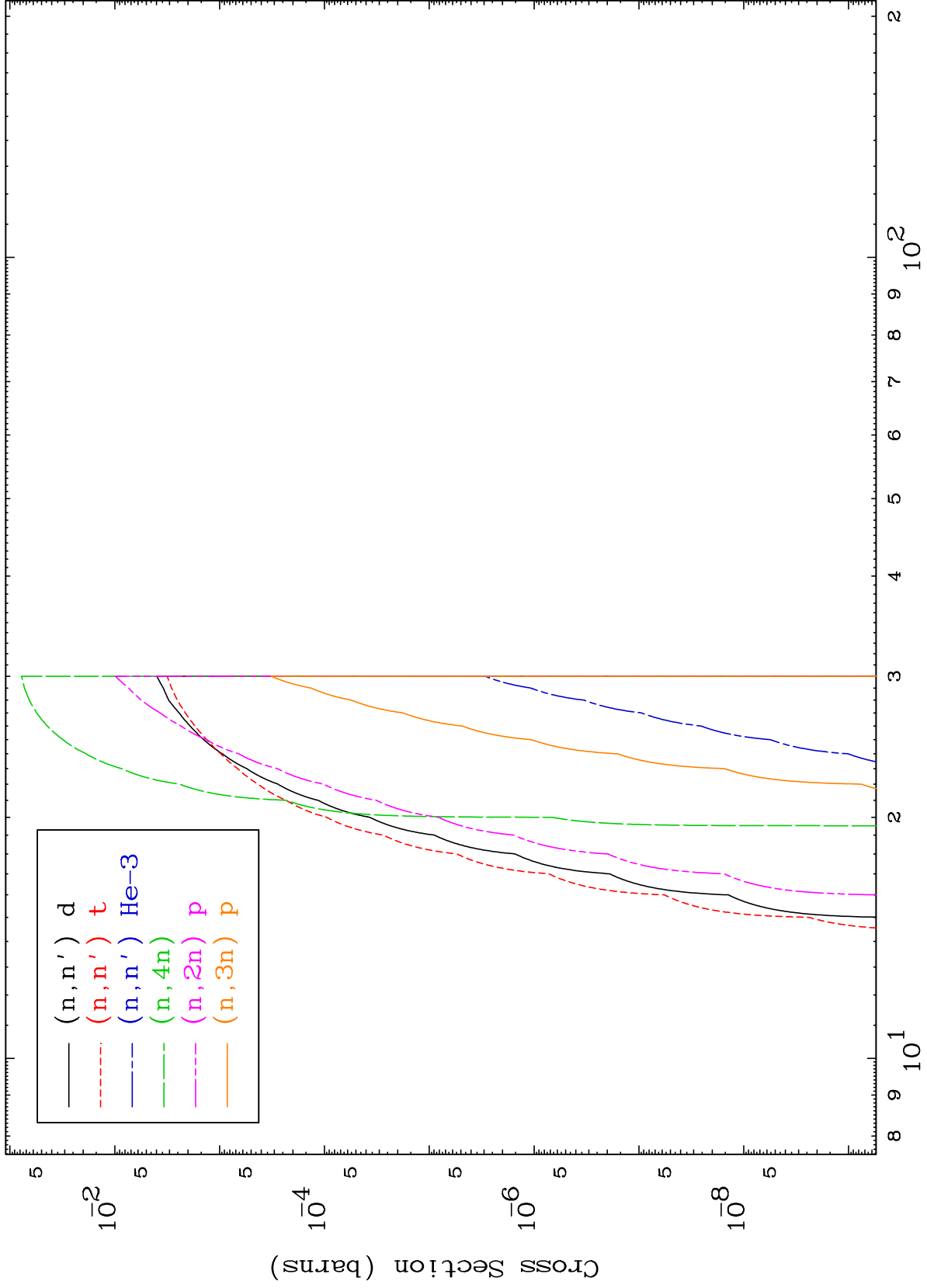
97-Bk-247

Incident Energy (MeV)

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Neutron Production  
293 Kelvin Cross Sections

97-Bk-247



3

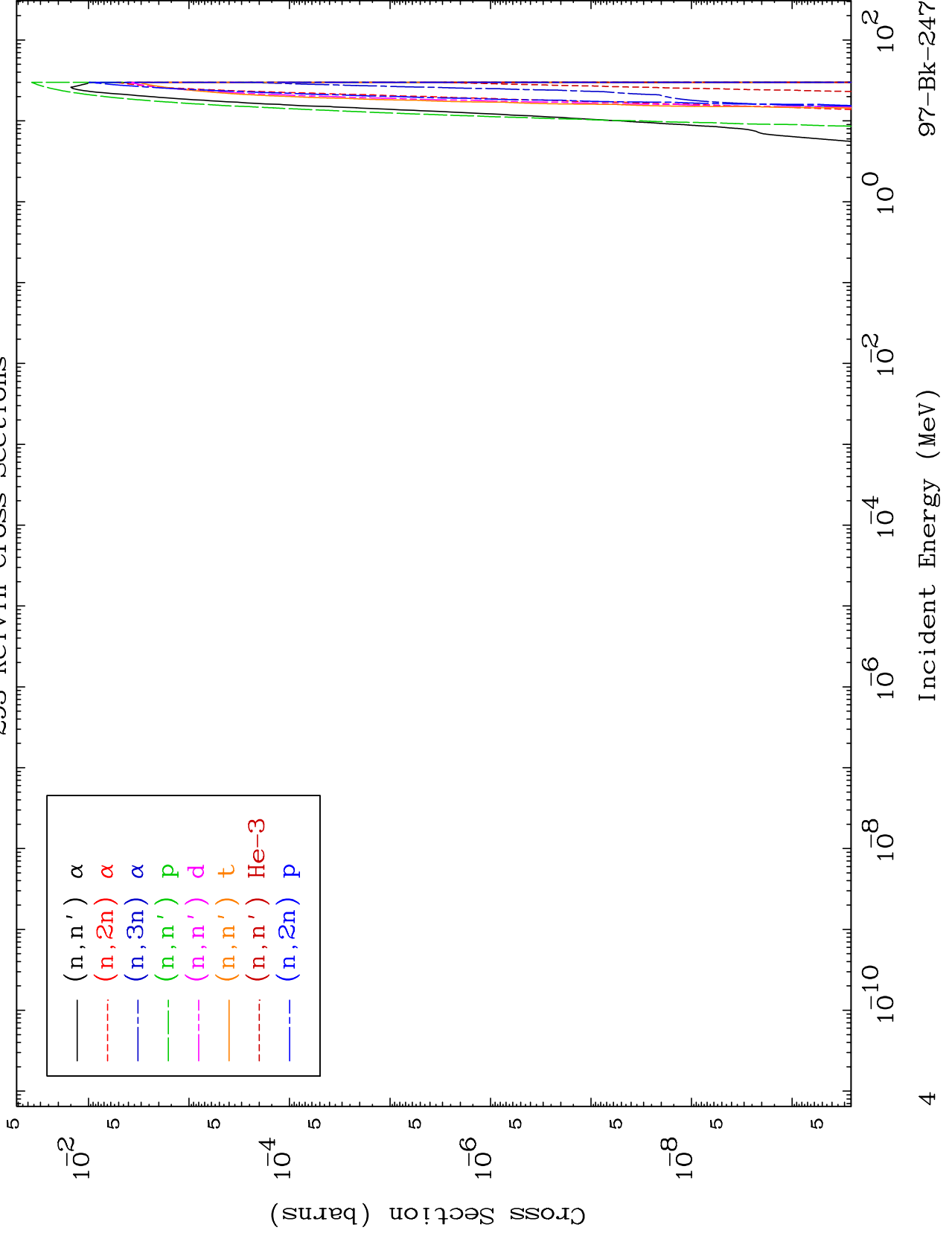
Incident Energy (MeV)

97-Bk-247

MAT 9746

Charged Particle  
293 Kelvin Cross Sections

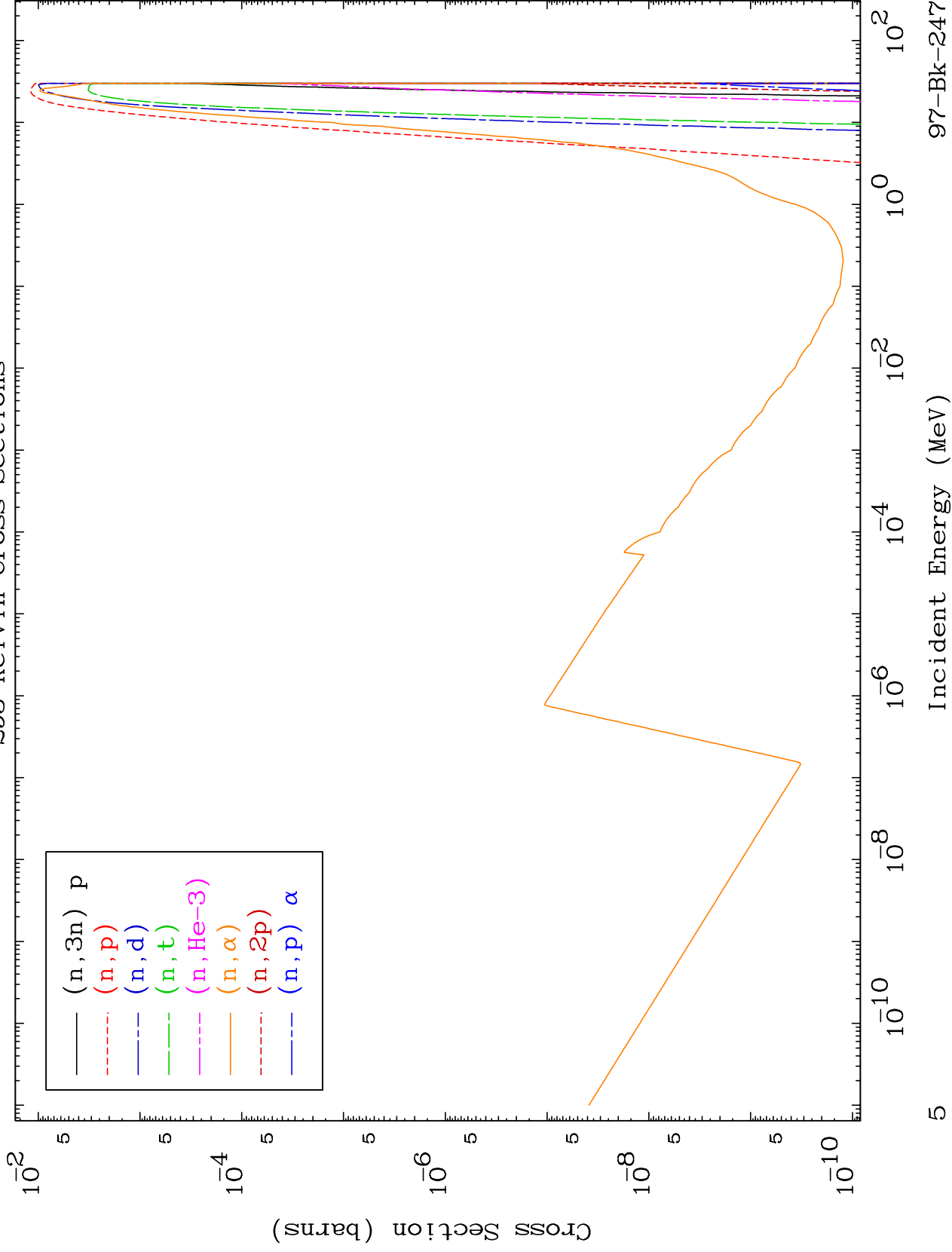
97-Bk-247



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Charged Particle  
293 Kelvin Cross Sections

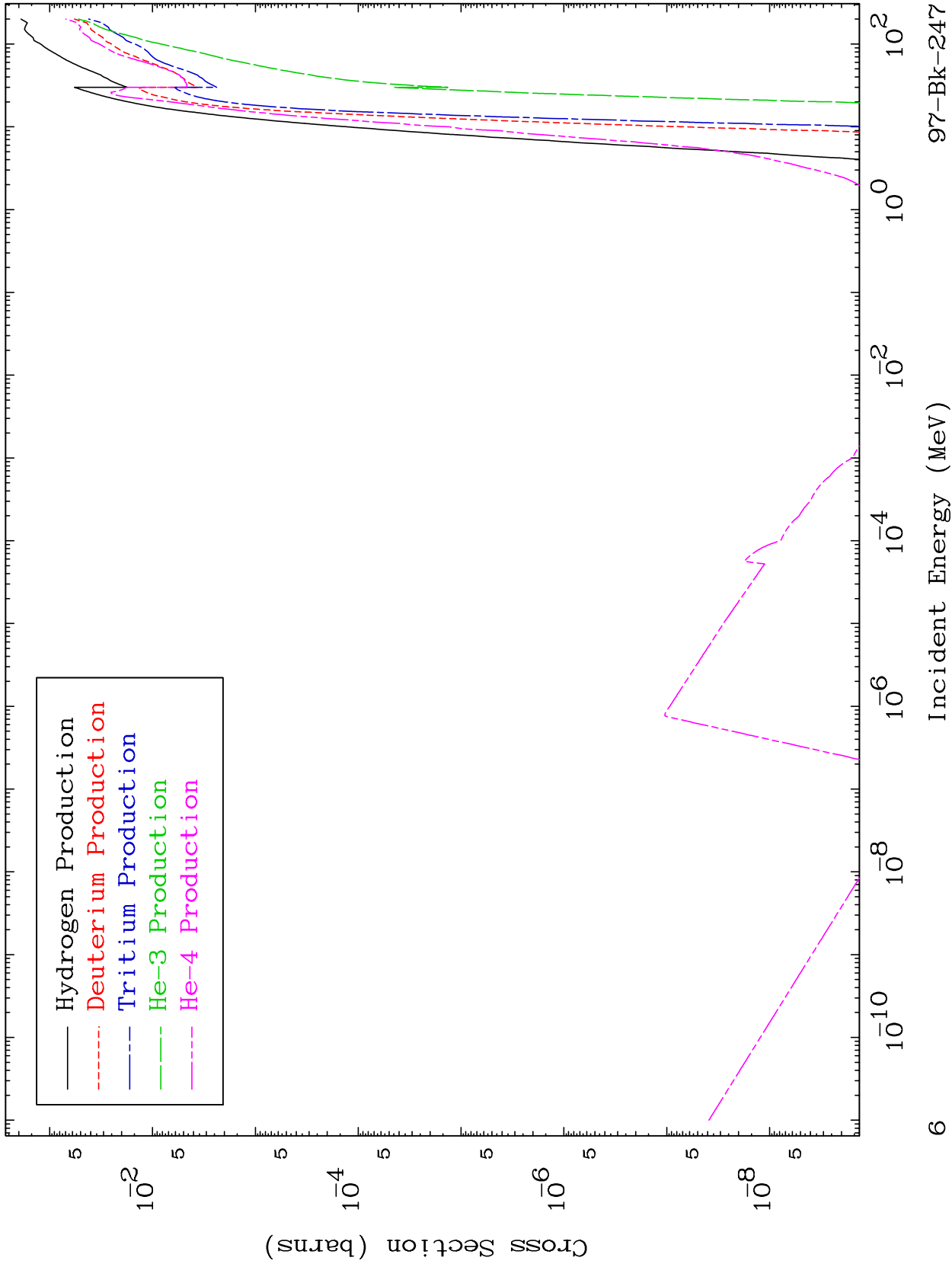
97-Bk-247



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Particle Production  
293 Kelvin Cross Sections

97-Bk-247





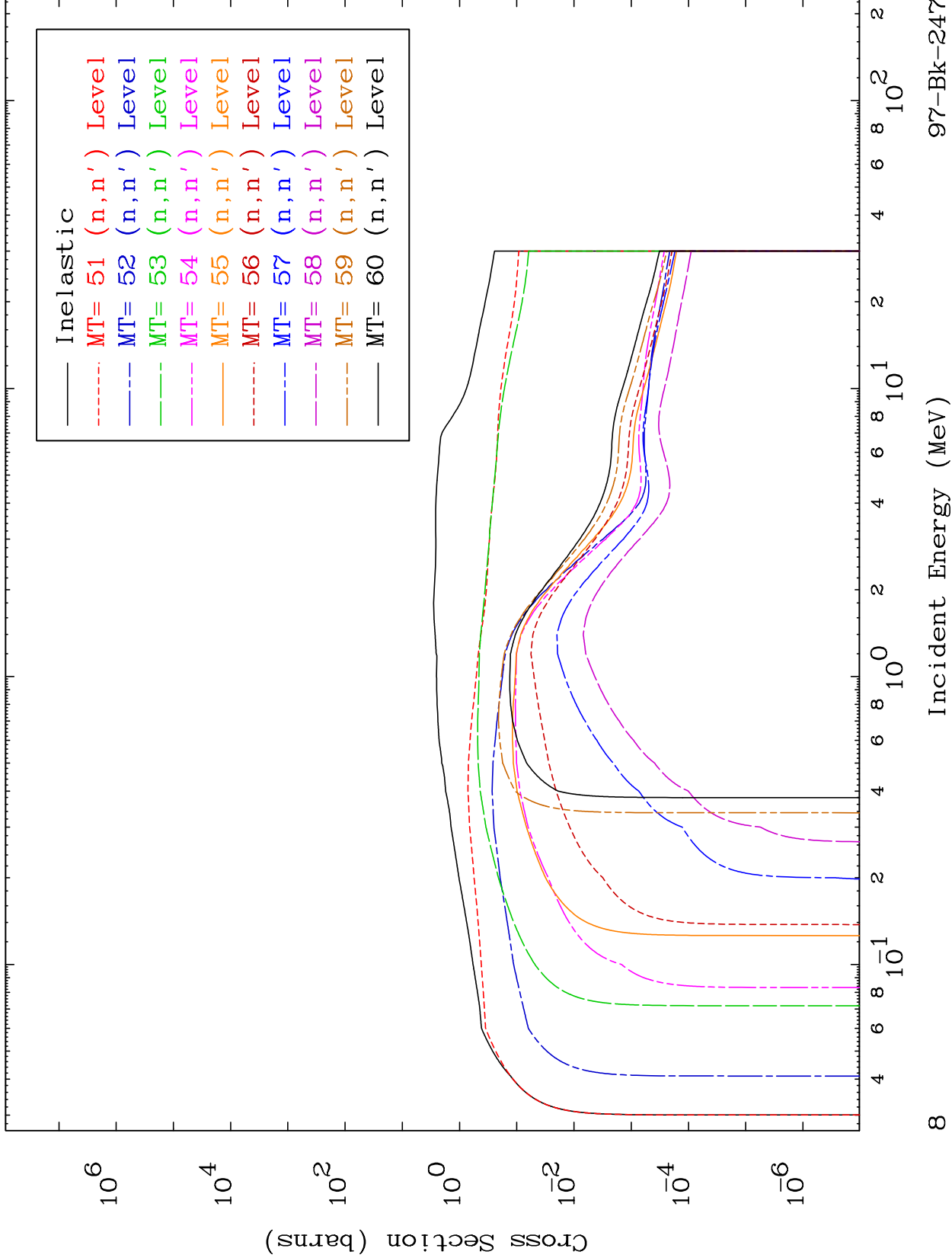


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(n,n') Level

97-Bk-247

293 Kelvin Cross Sections

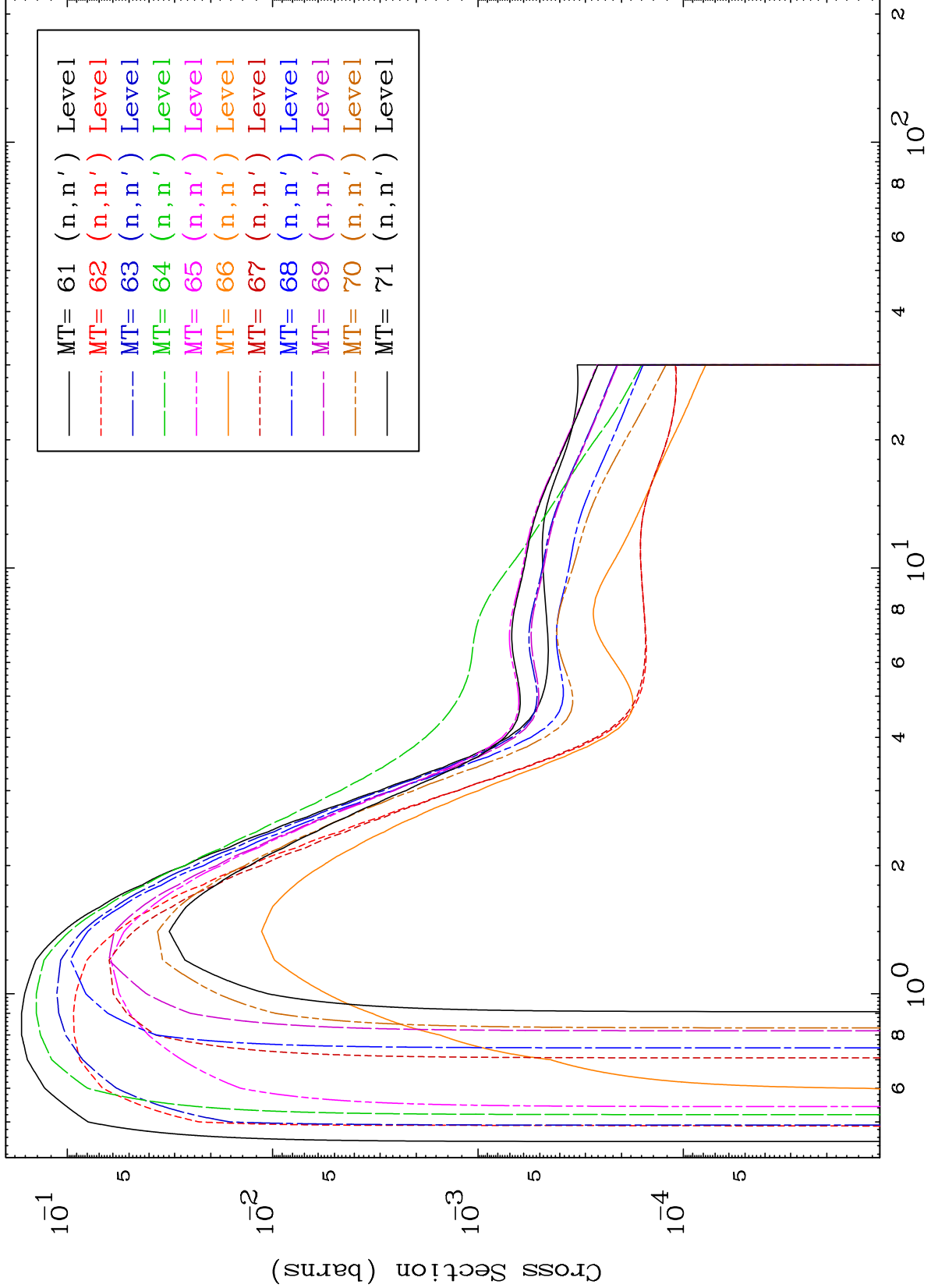


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(n,n') Level

97-Bk-247

293 Kelvin Cross Sections



9

Incident Energy (MeV)

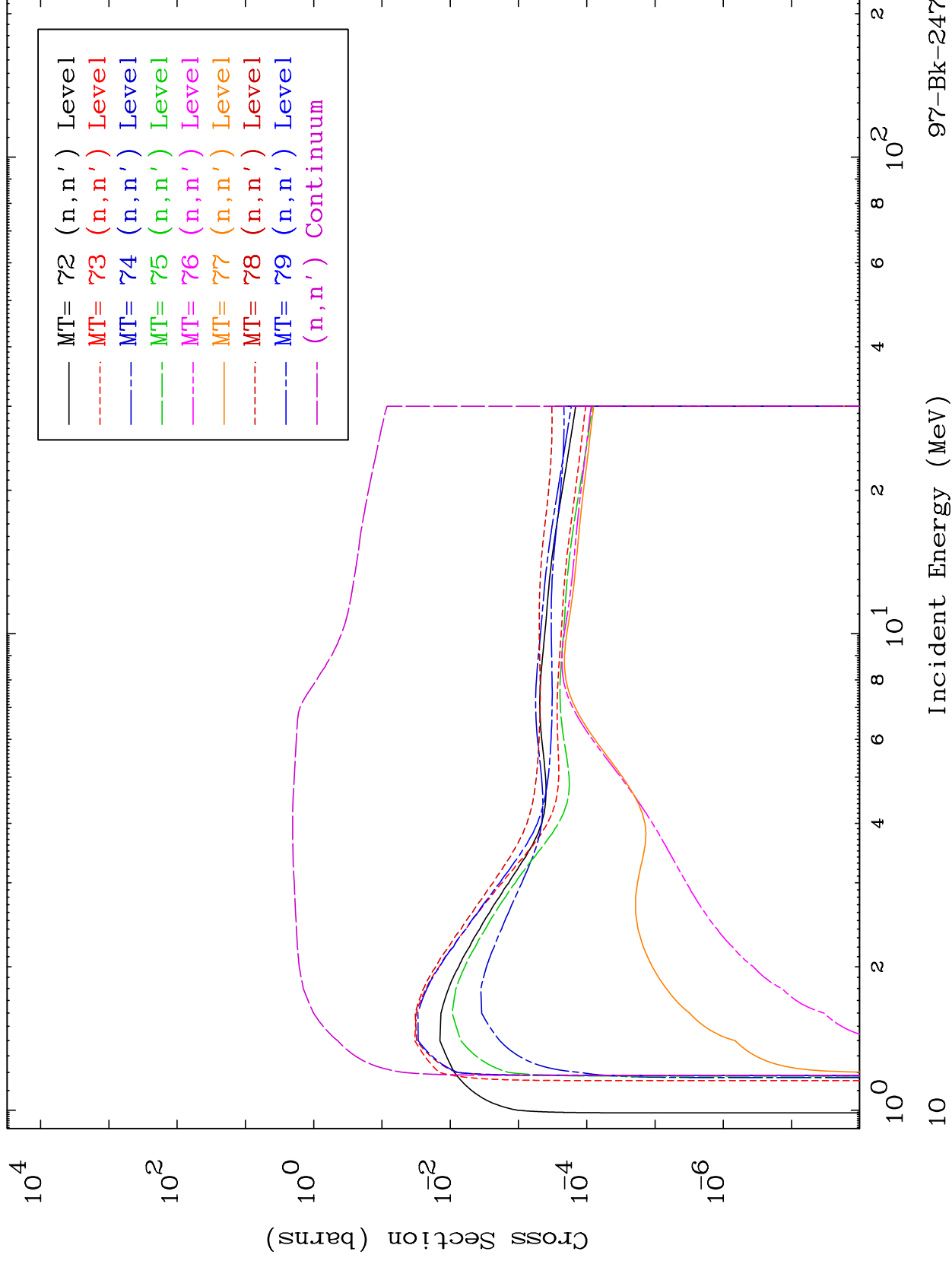
97-Bk-247

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(n,n') Level

97-Bk-247

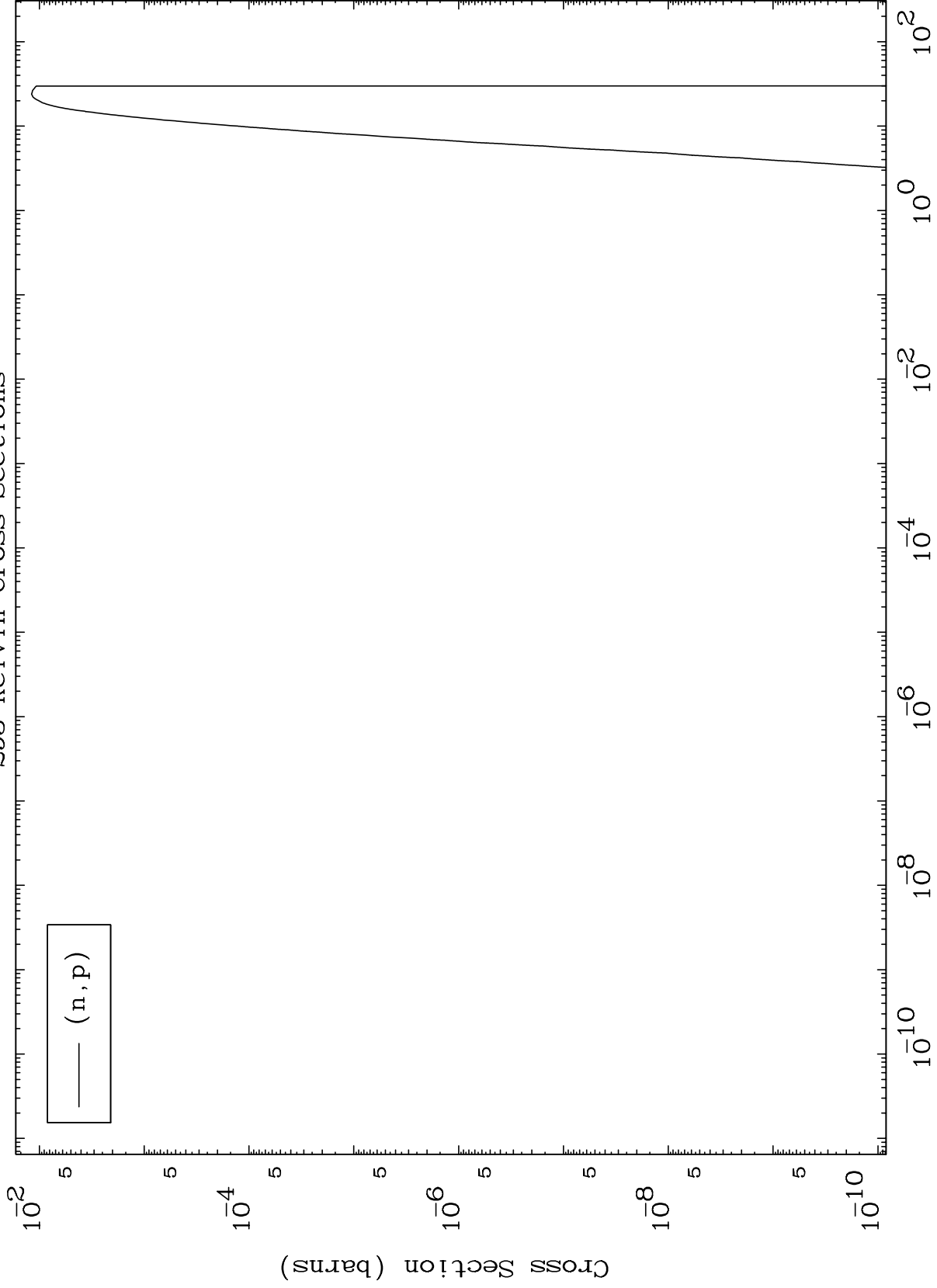
293 Kelvin Cross Sections



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(n,p) Levels  
293 Kelvin Cross Sections

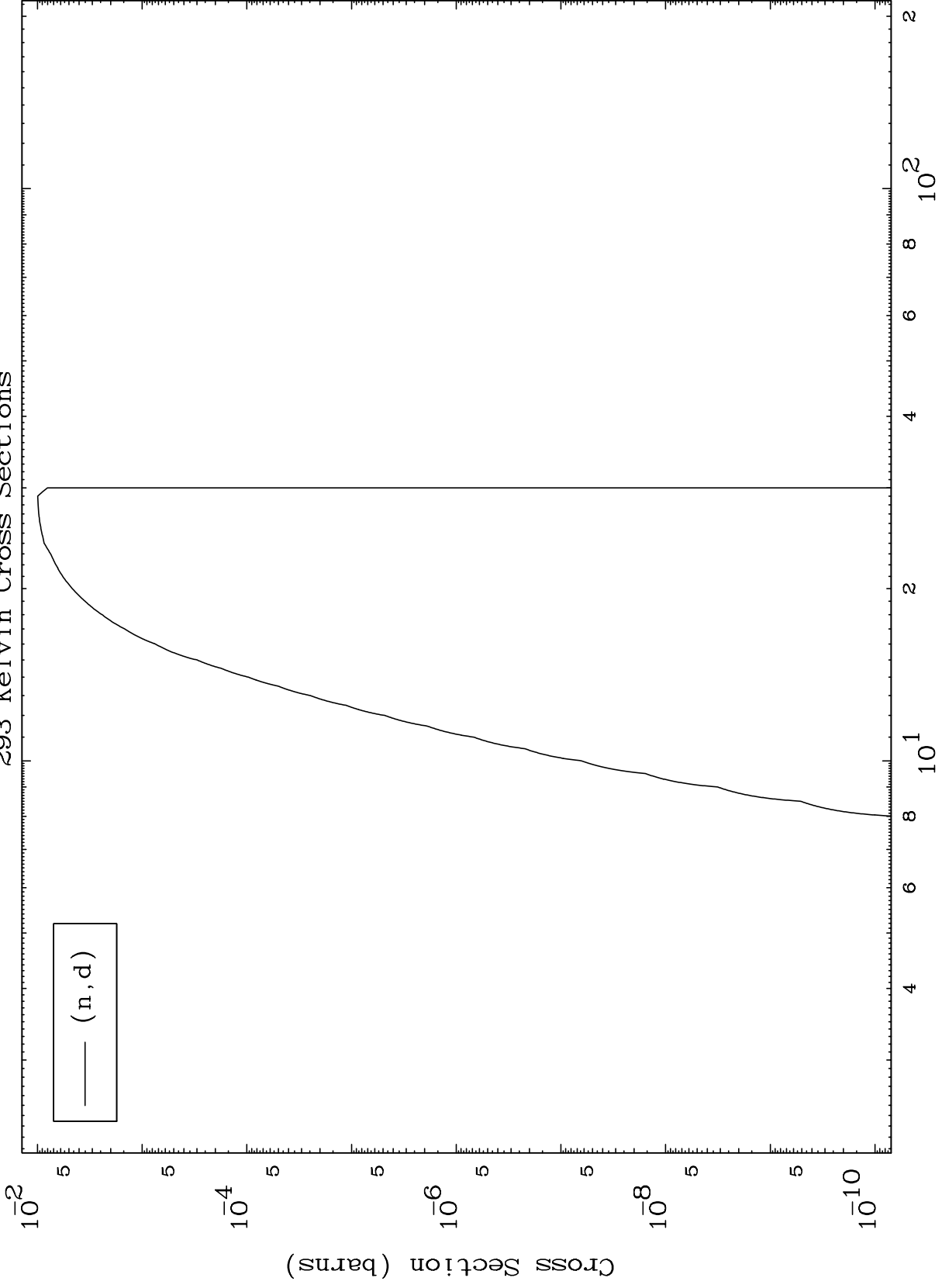
97-Bk-247



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(n,d) Levels  
293 Kelvin Cross Sections

97-Bk-247



12

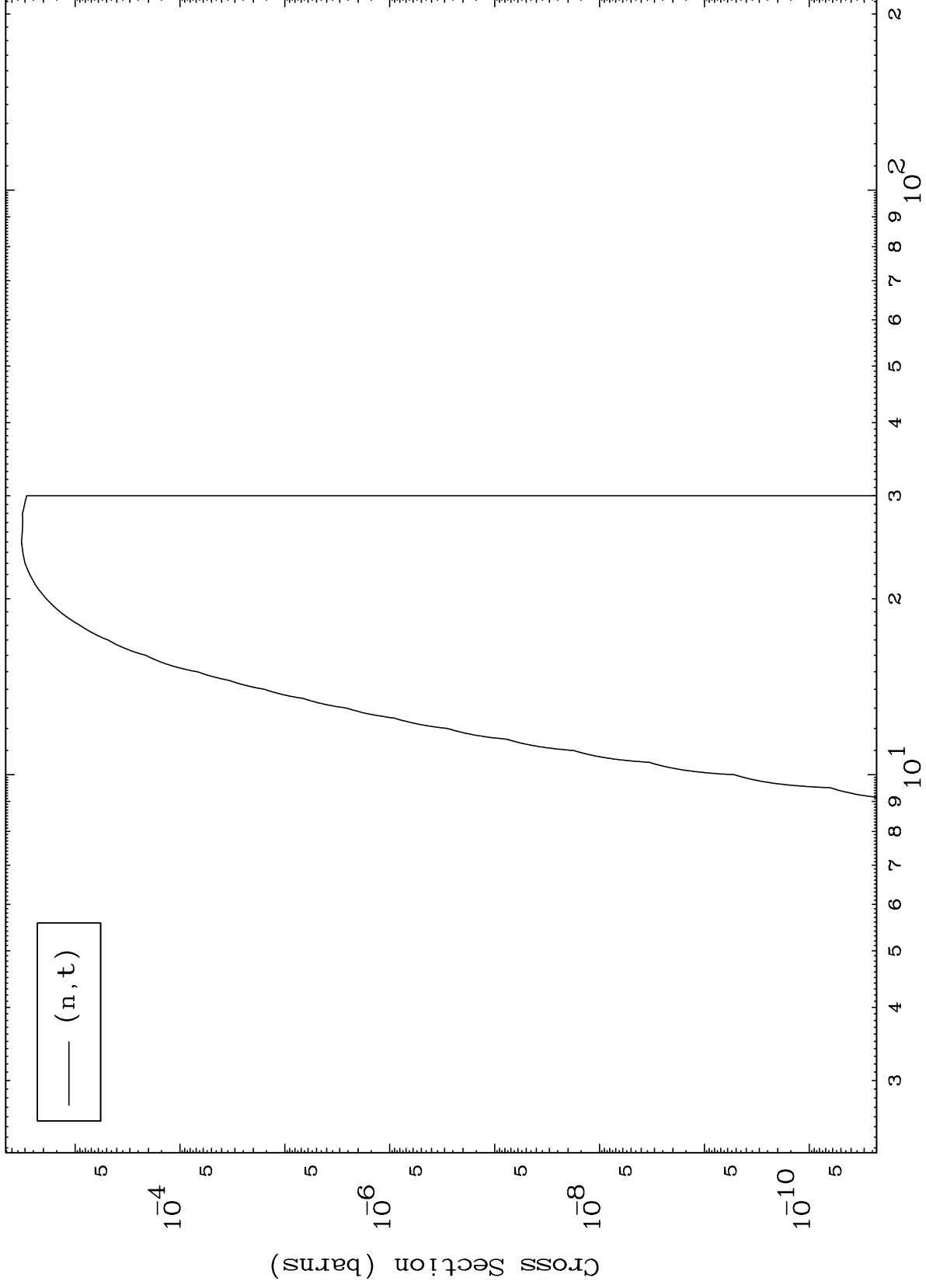
Incident Energy (MeV)

97-Bk-247

MAT 9746

(n,t) Levels  
293 Kelvin Cross Sections

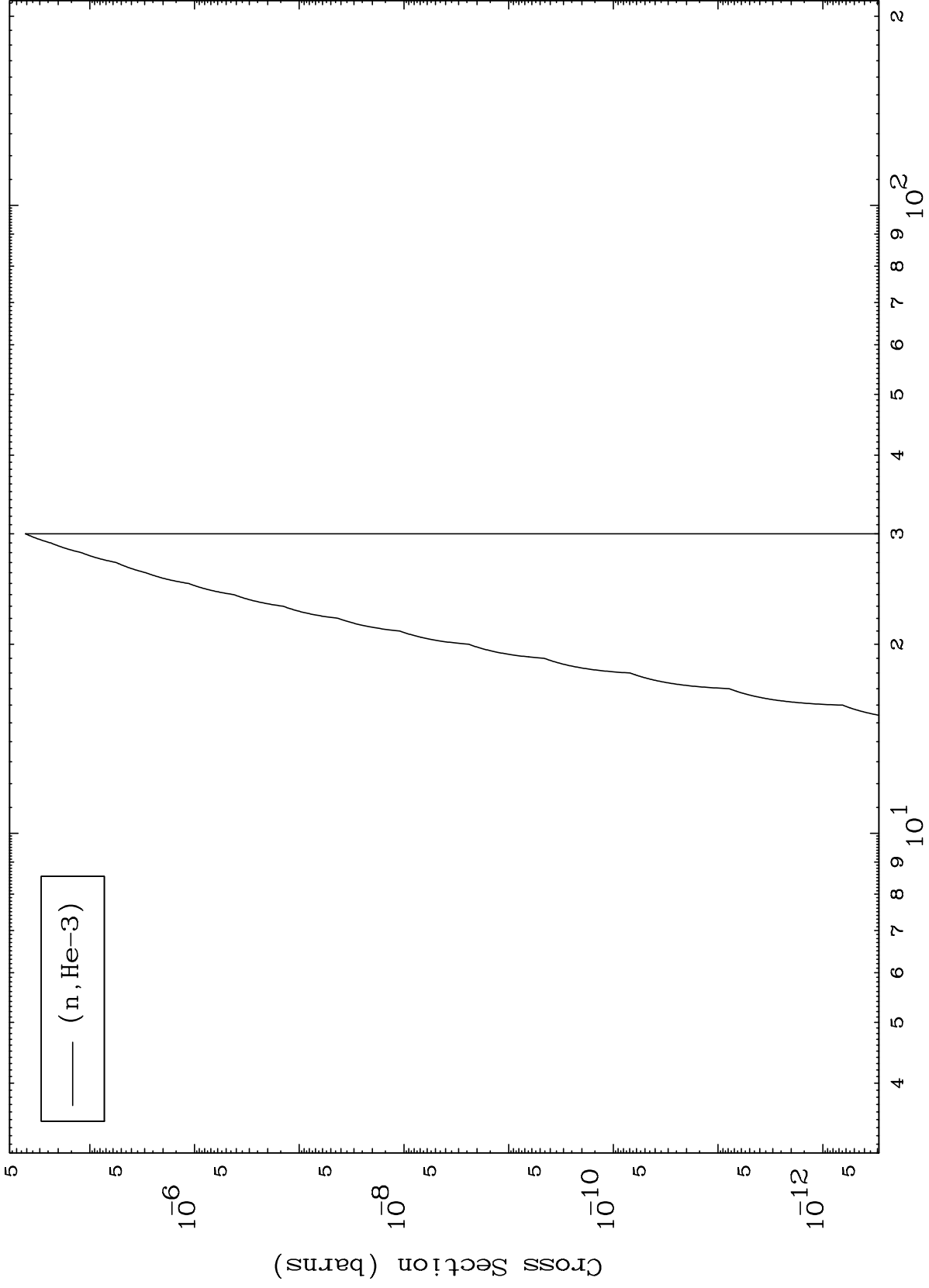
97-Bk-247



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(n,He3) Levels  
293 Kelvin Cross Sections

97-Bk-247



14

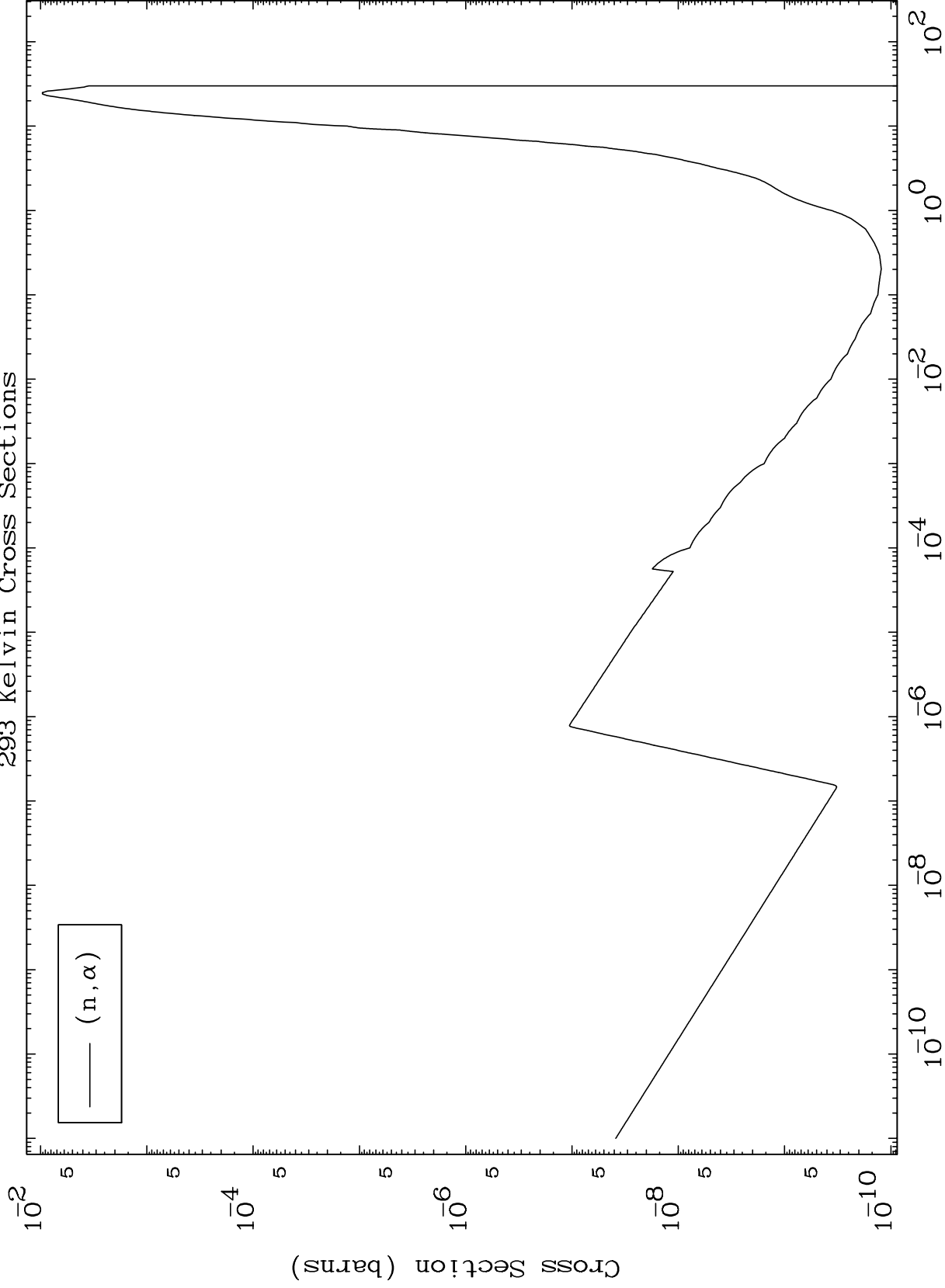
Incident Energy (MeV)

97-Bk-247

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

97-Bk-247

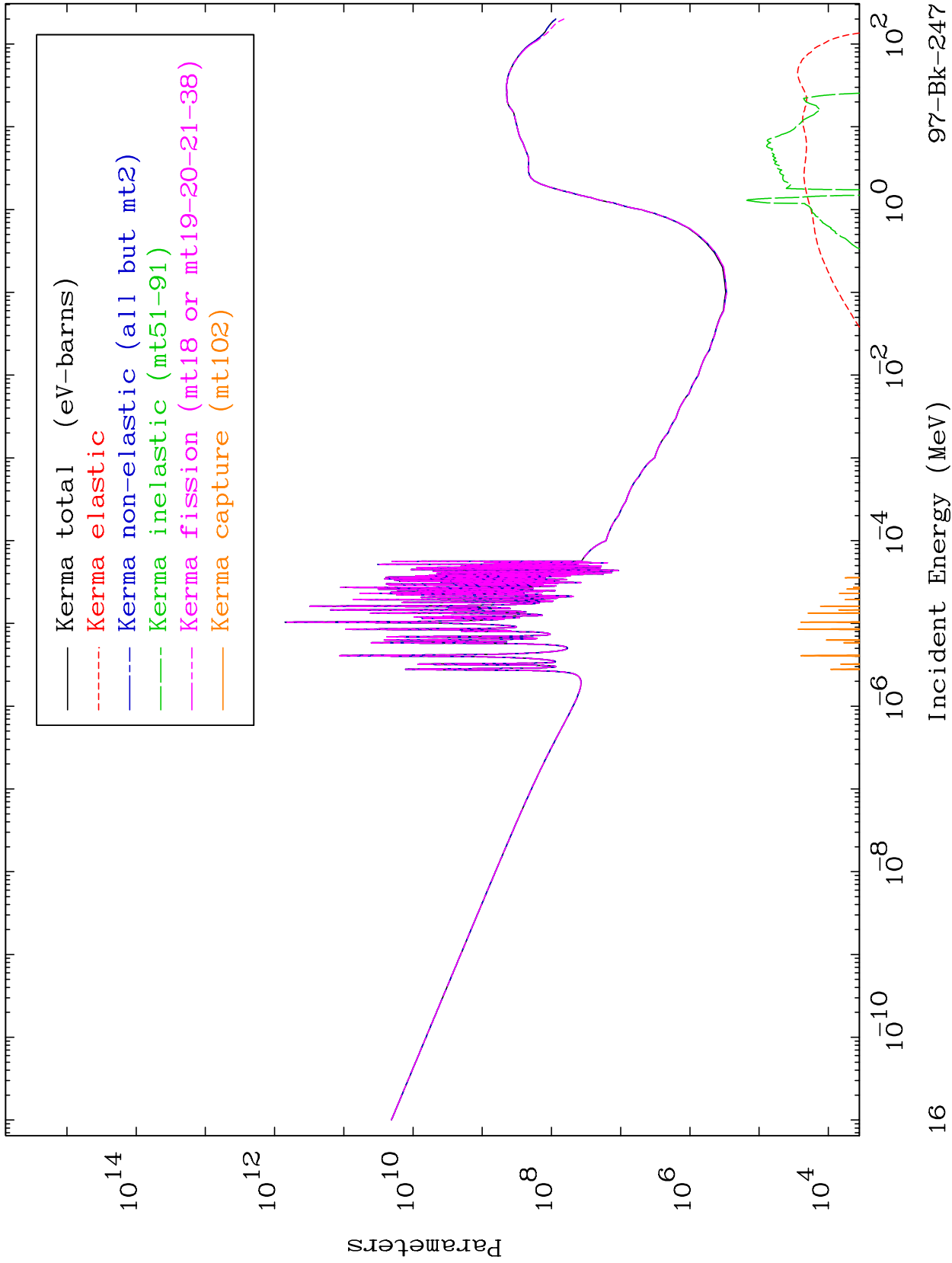


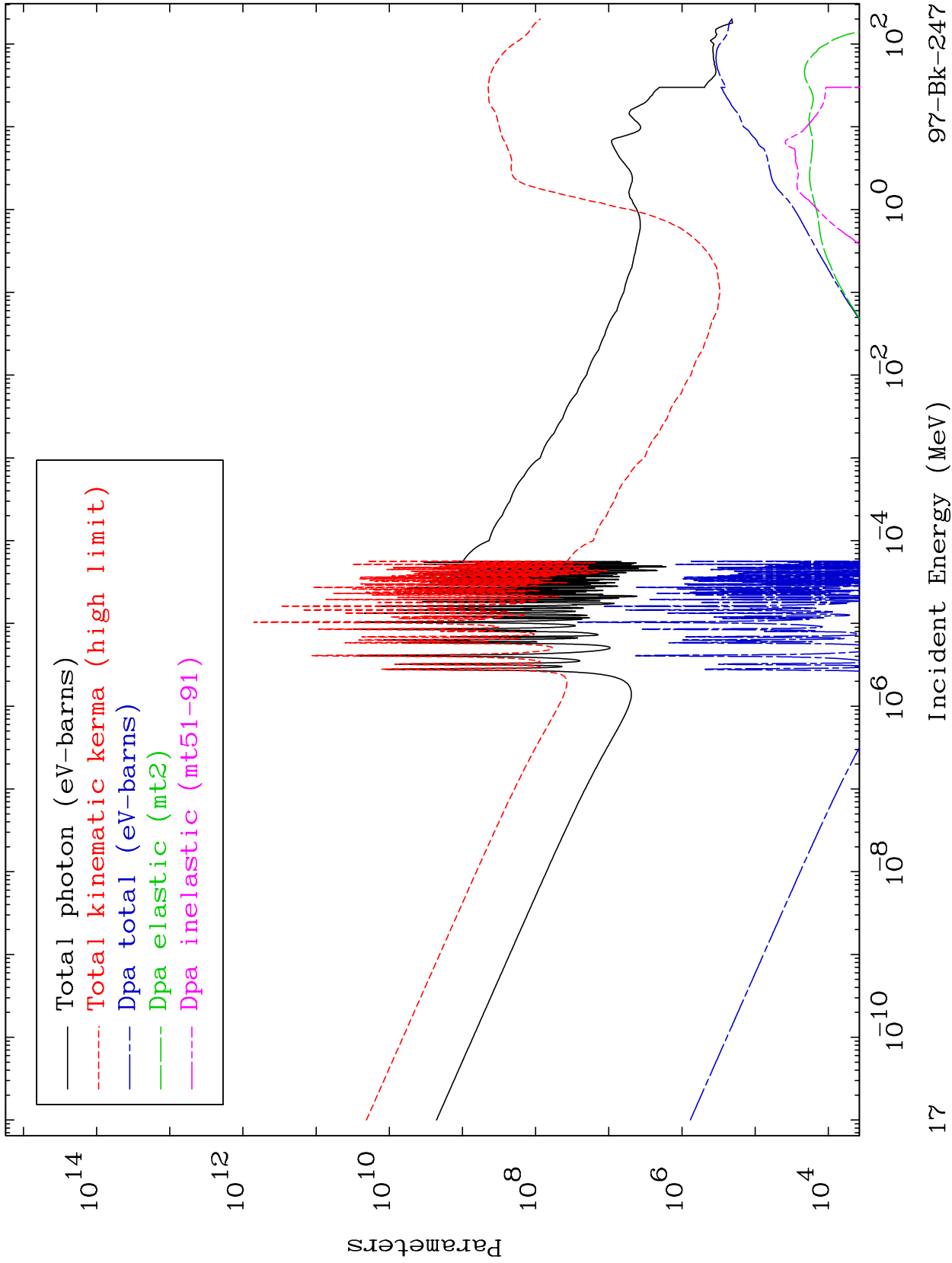
15

Incident Energy (MeV)

97-Bk-247



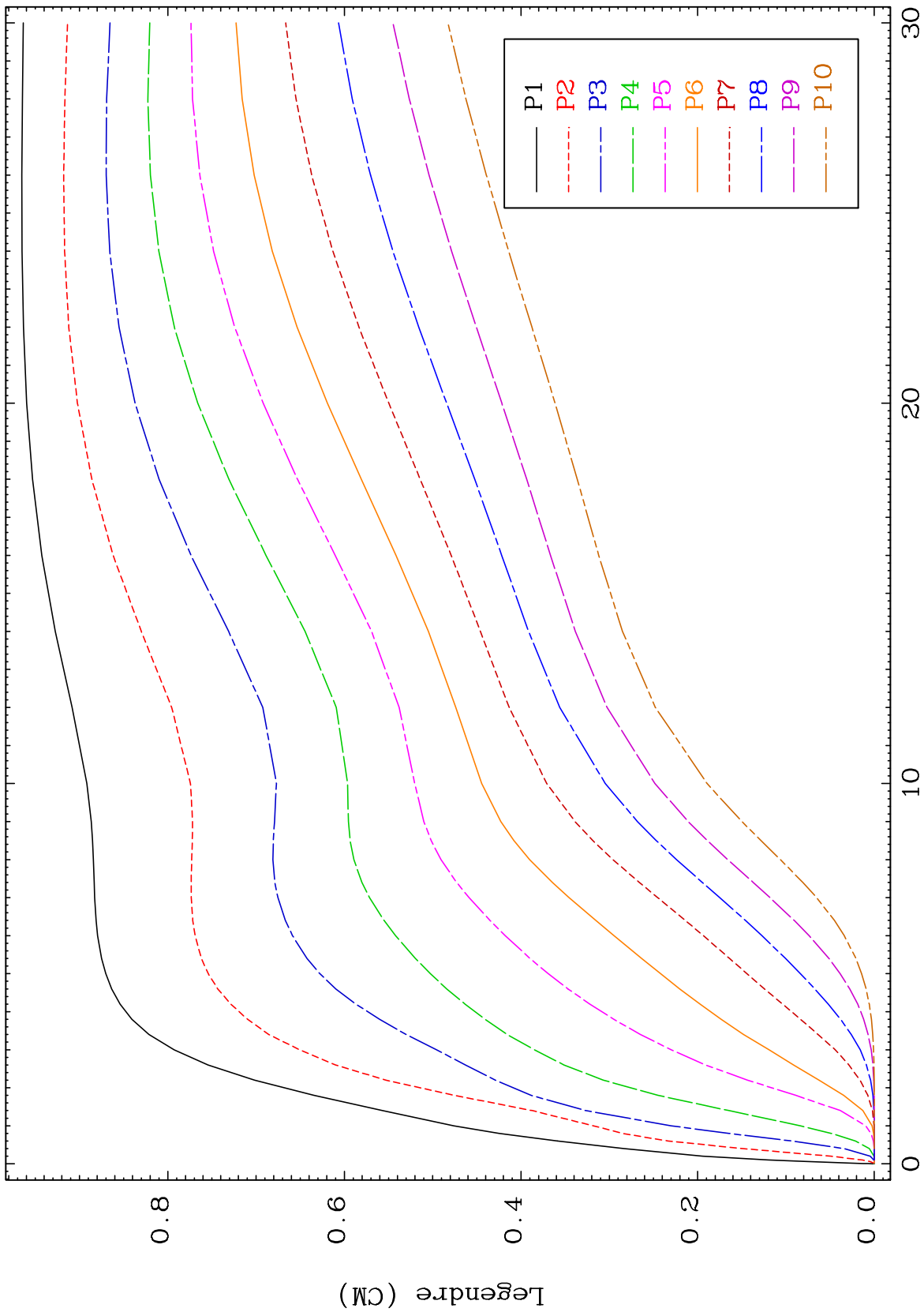




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Elastic Legendre Coefficients



97-Bk-247

Incident Energy (MeV)

18

30

20

10

0

0.0

0.2

0.4

0.6

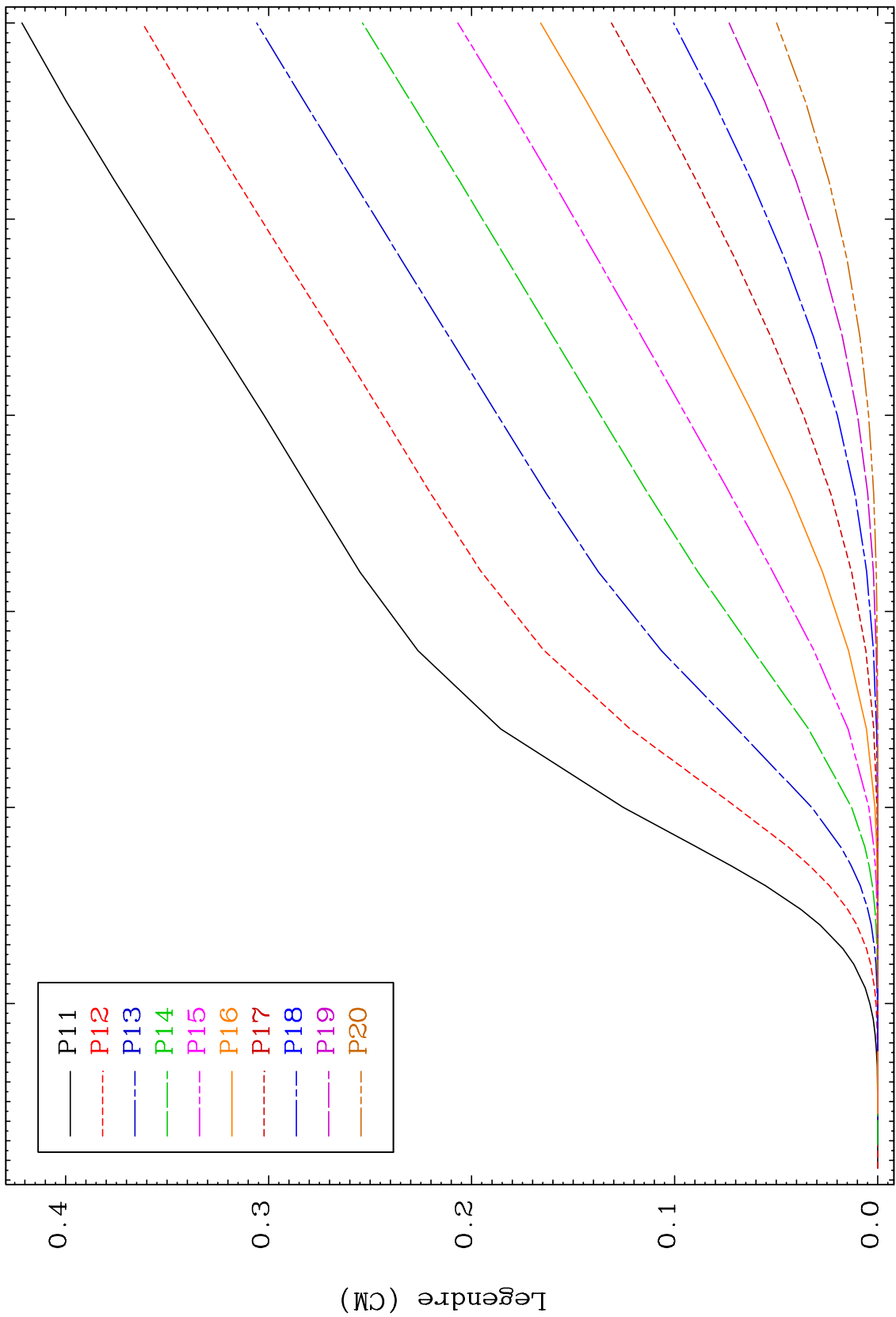
0.8

Legendre (CM)

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Elastic Legendre Coefficients

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19

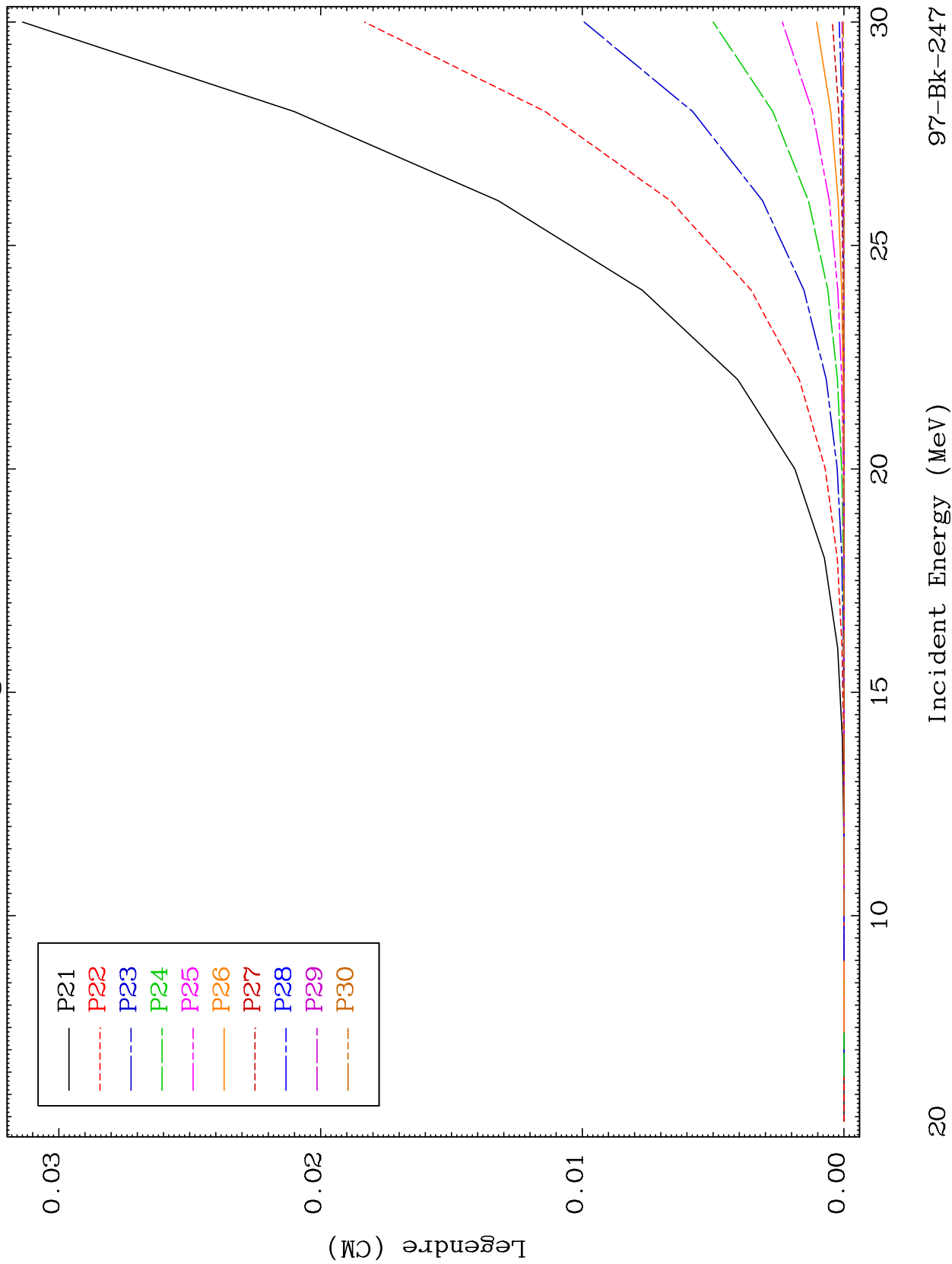
Incident Energy (MeV)

97-Bk-247

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Elastic Legendre Coefficients

97-Bk-247



97-Bk-247

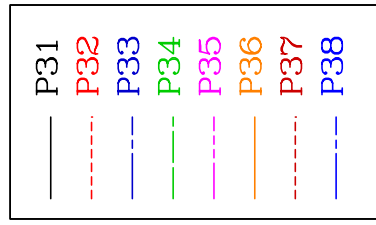
Incident Energy (MeV)

20

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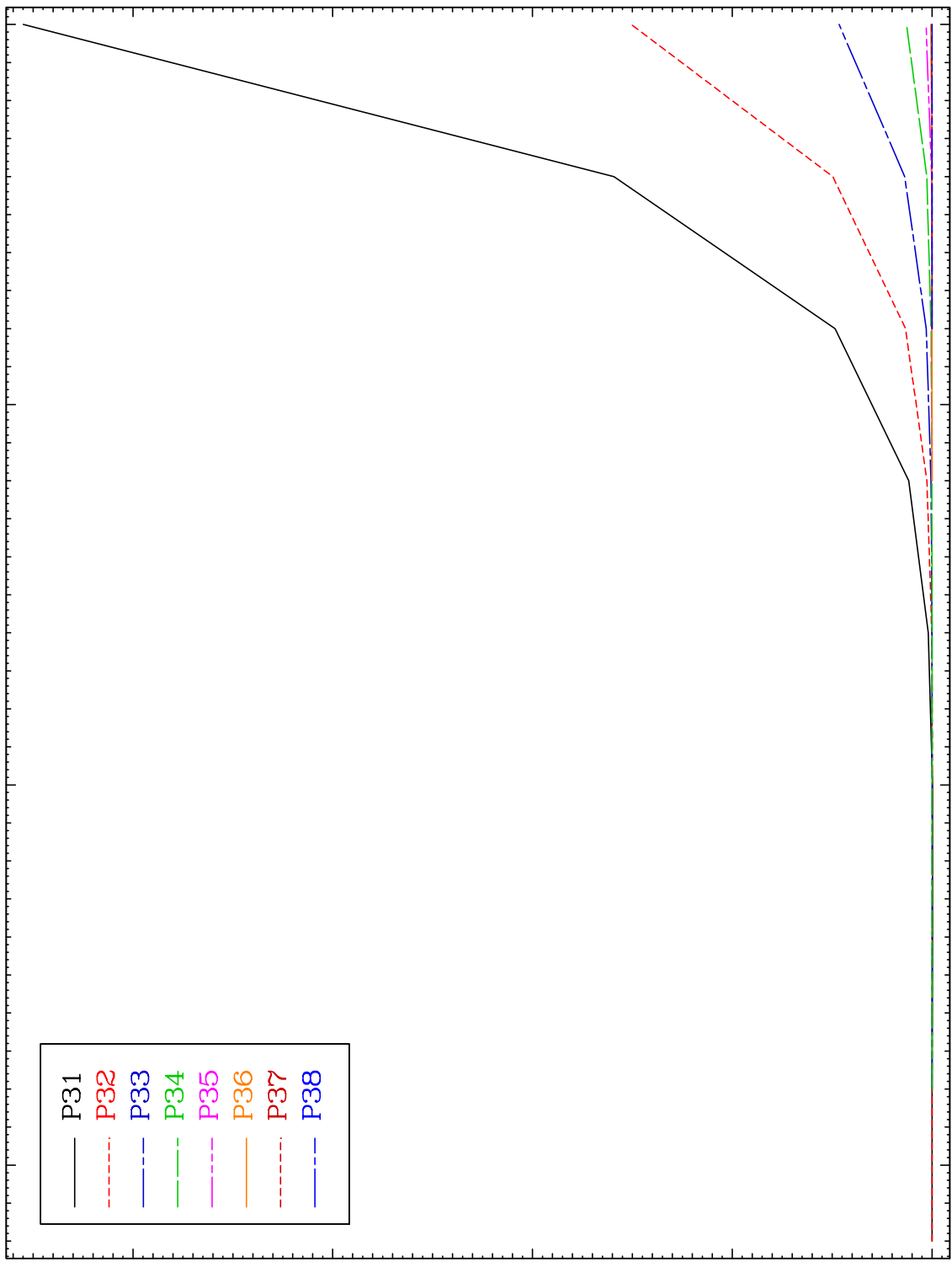
Elastic  
Legendre Coefficients

97-Bk-247



$\times 10^{-6}$

Legendre (CM)



21

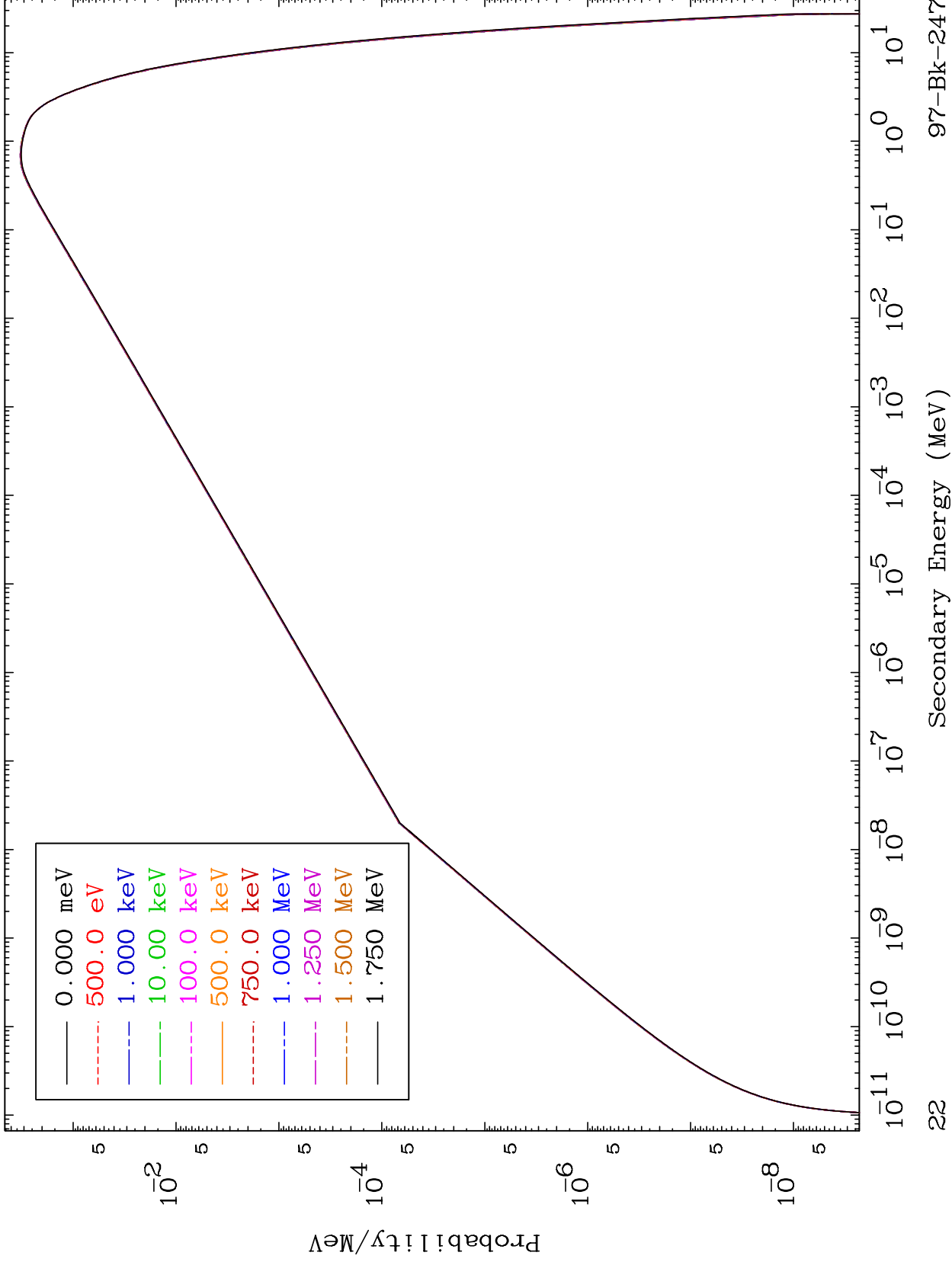
Incident Energy (MeV)

97-Bk-247

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### Fission Energy Distribution

97-Bk-247



97-Bk-247

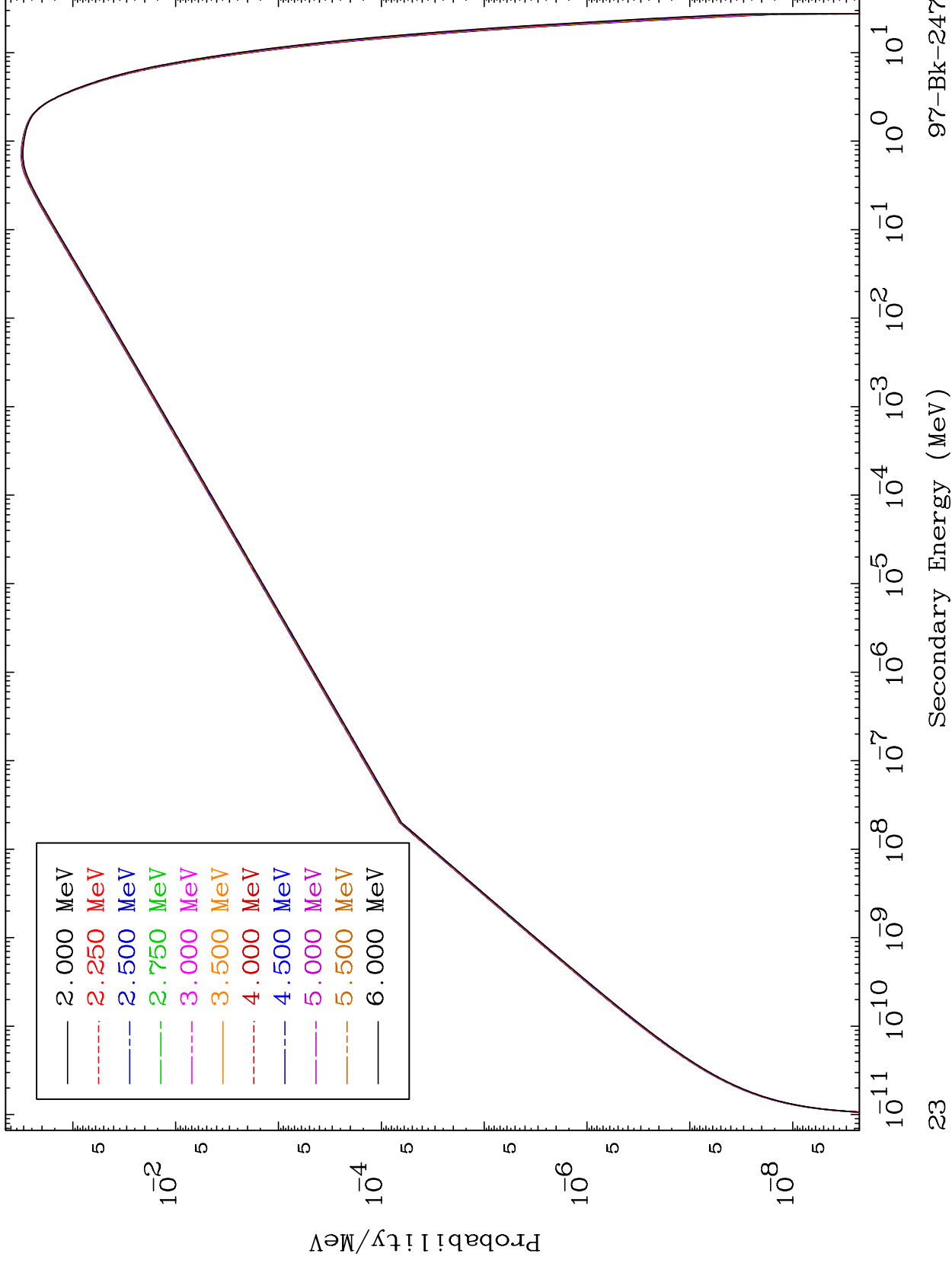
Secondary Energy (MeV)

22

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### Fission Energy Distribution

97-Bk-247



97-Bk-247

Secondary Energy (MeV)

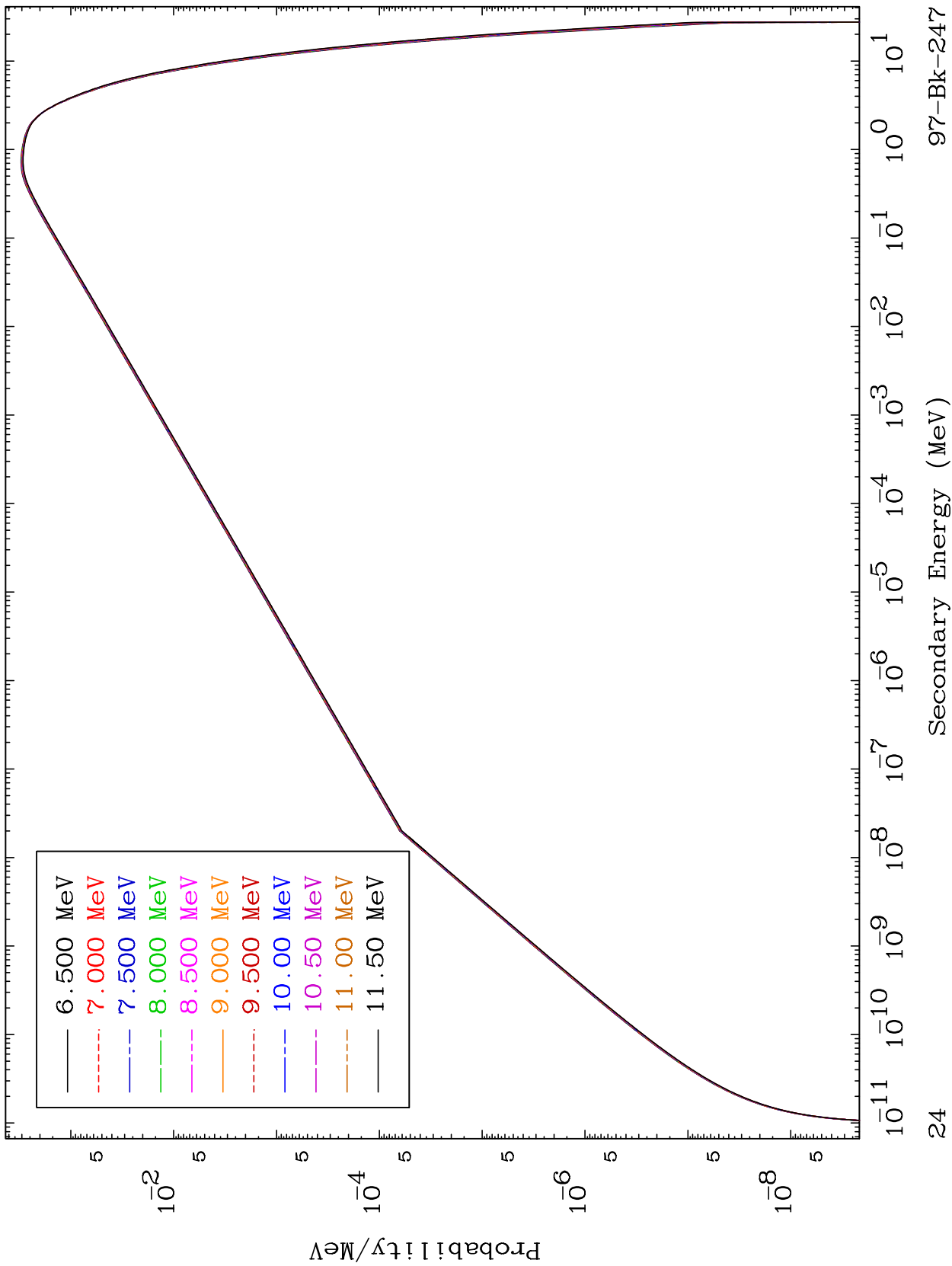
23



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### Fission Energy Distribution

97-Bk-247



97-Bk-247

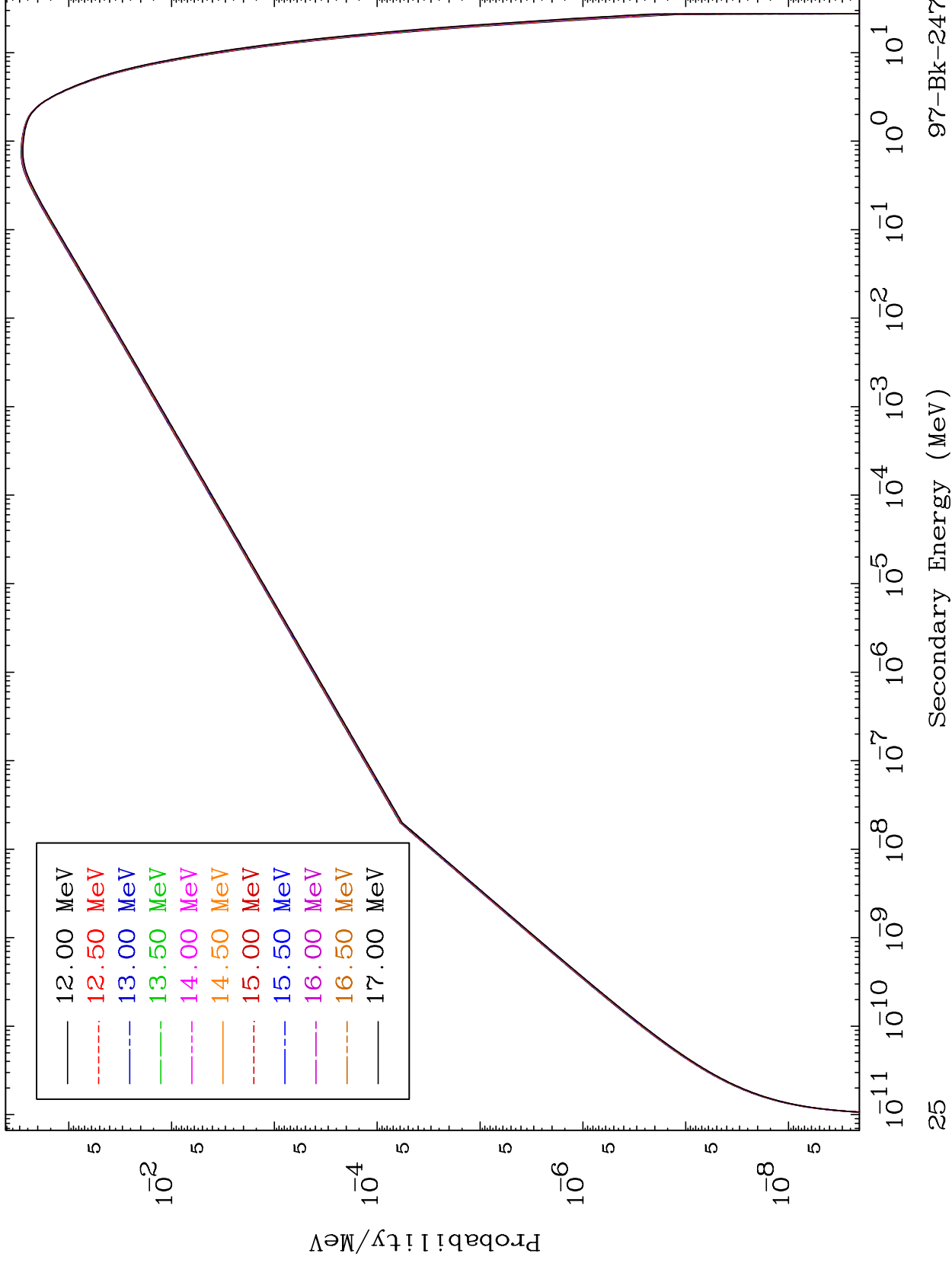
Secondary Energy (MeV)

24

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### Fission Energy Distribution

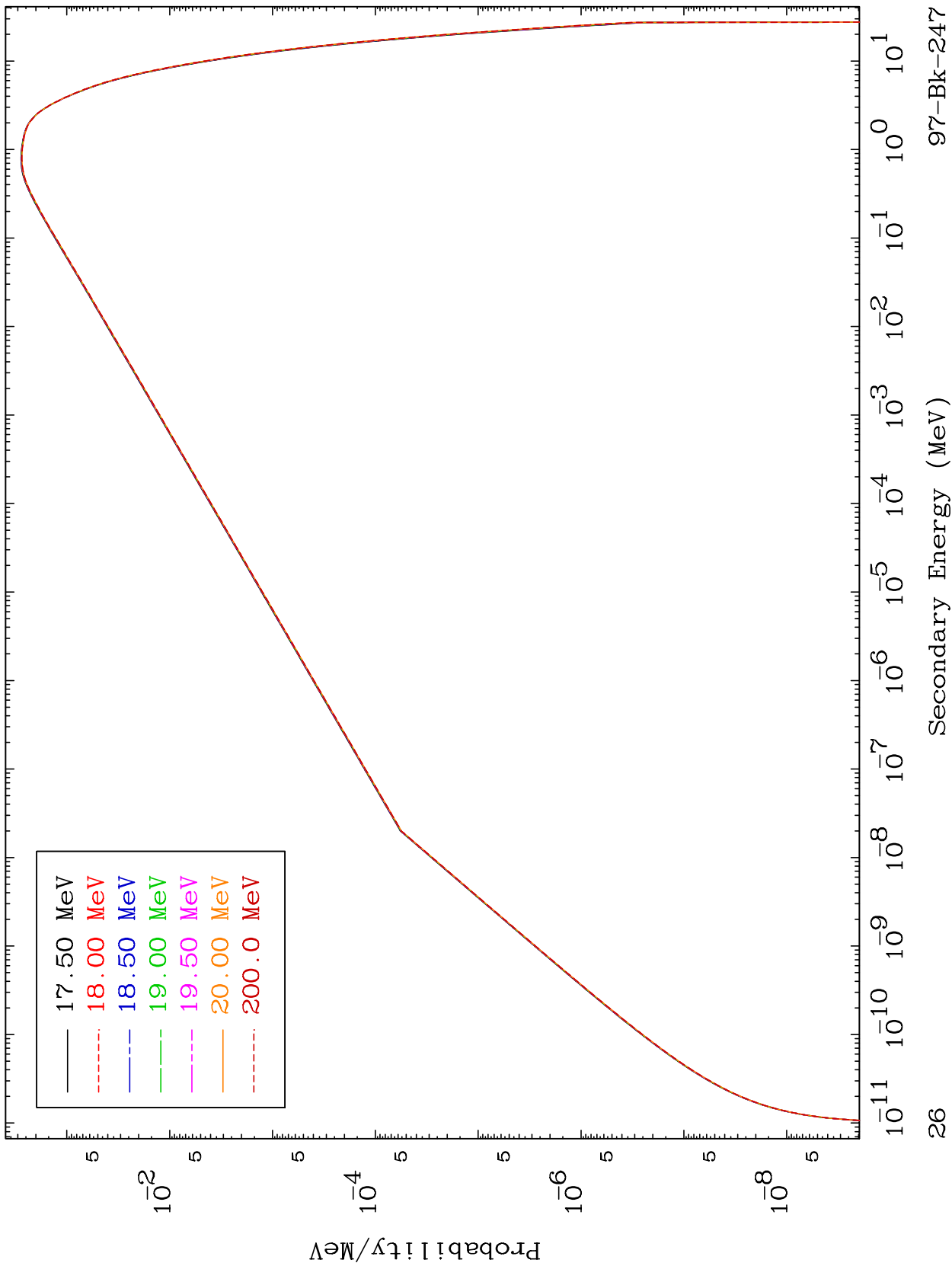
97-Bk-247



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### Fission Energy Distribution

97-Bk-247



97-Bk-247

Secondary Energy (MeV)

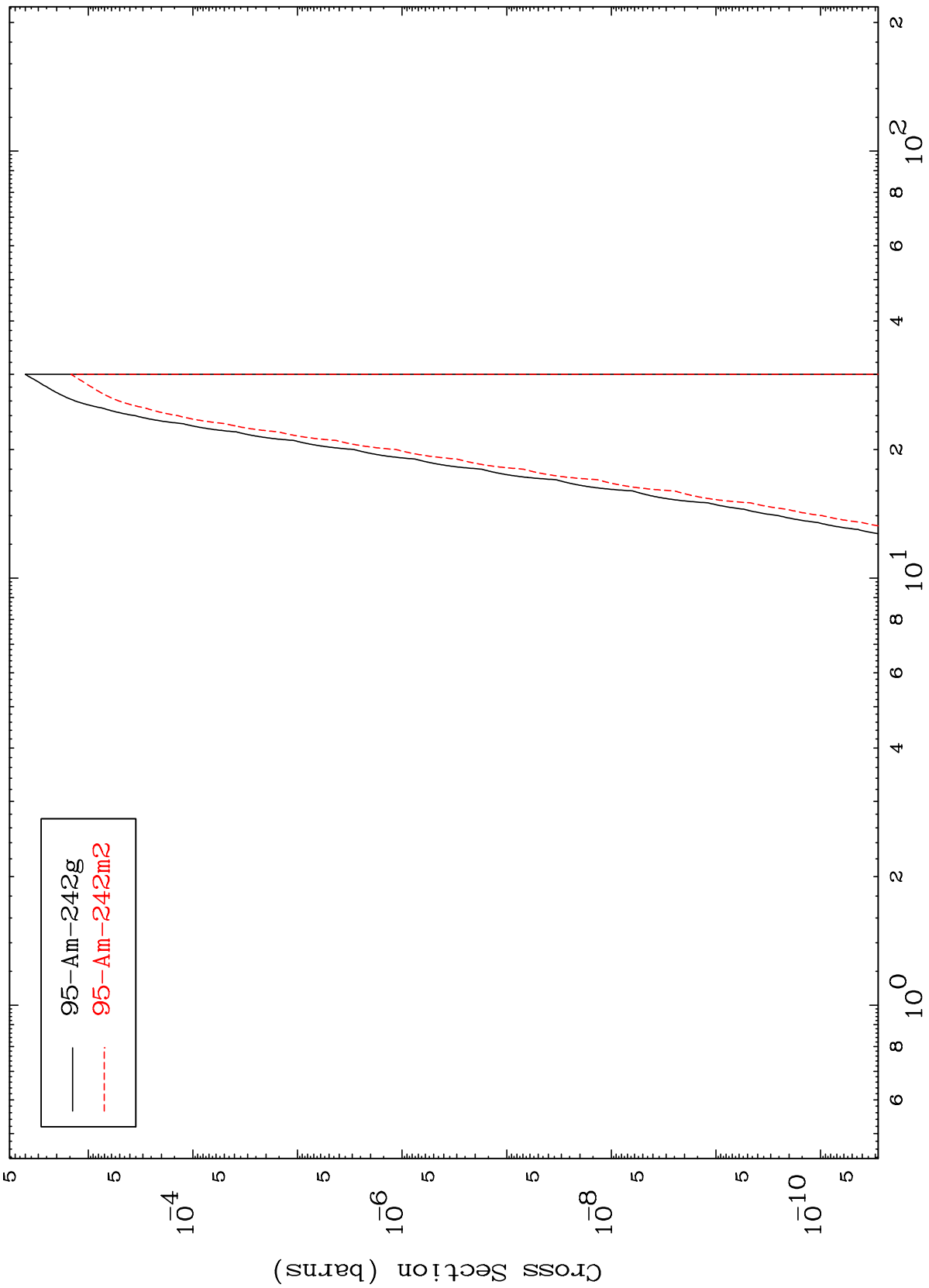
26

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(n,2n)  $\alpha$

97-Bk-247

Radionuclide Production Cross Section



95-Am-242g  
95-Am-242m2

27

Incident Energy (MeV)

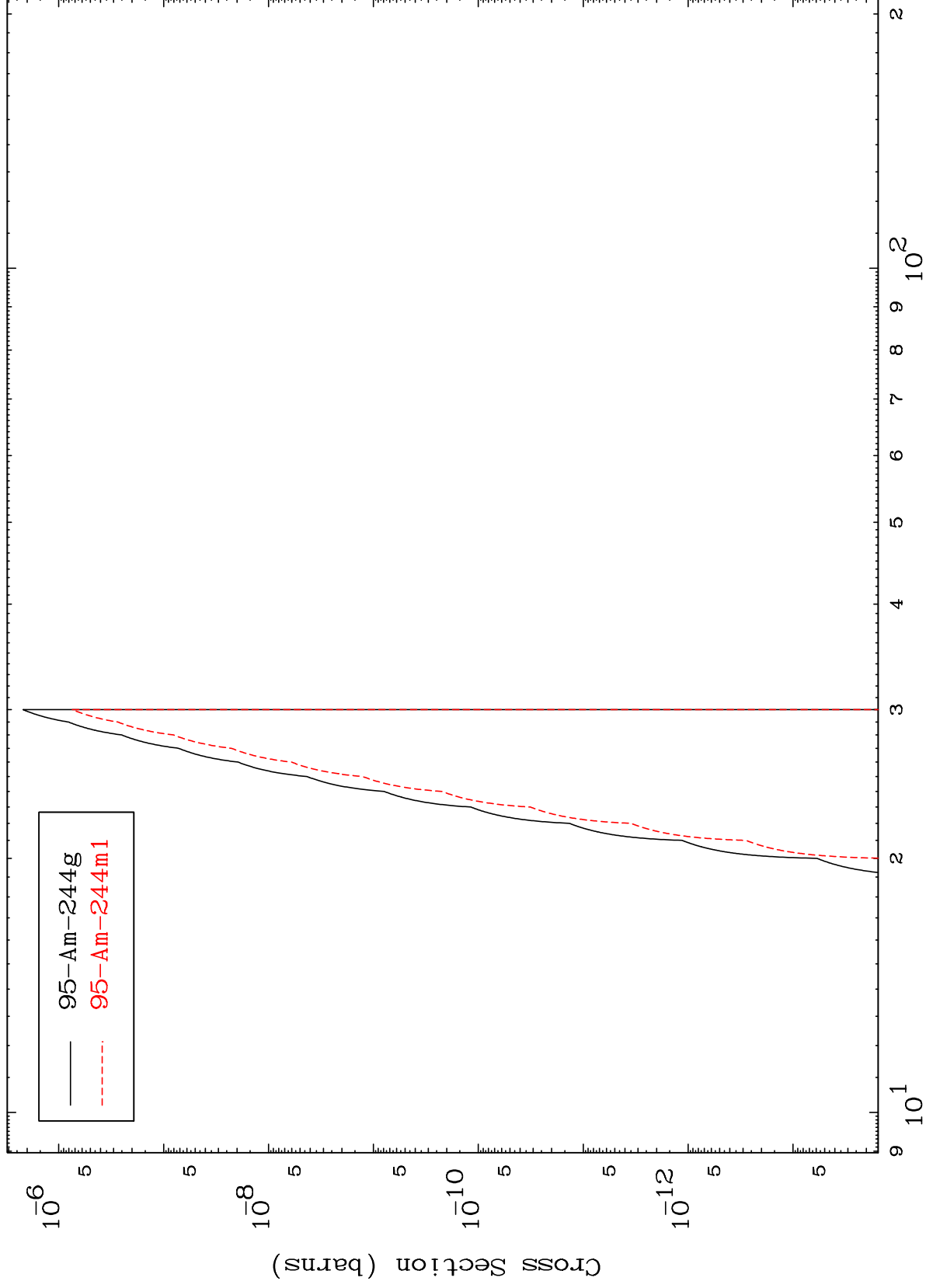
97-Bk-247

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(n,n') He-3

97-Bk-247

Radionuclide Production Cross Section



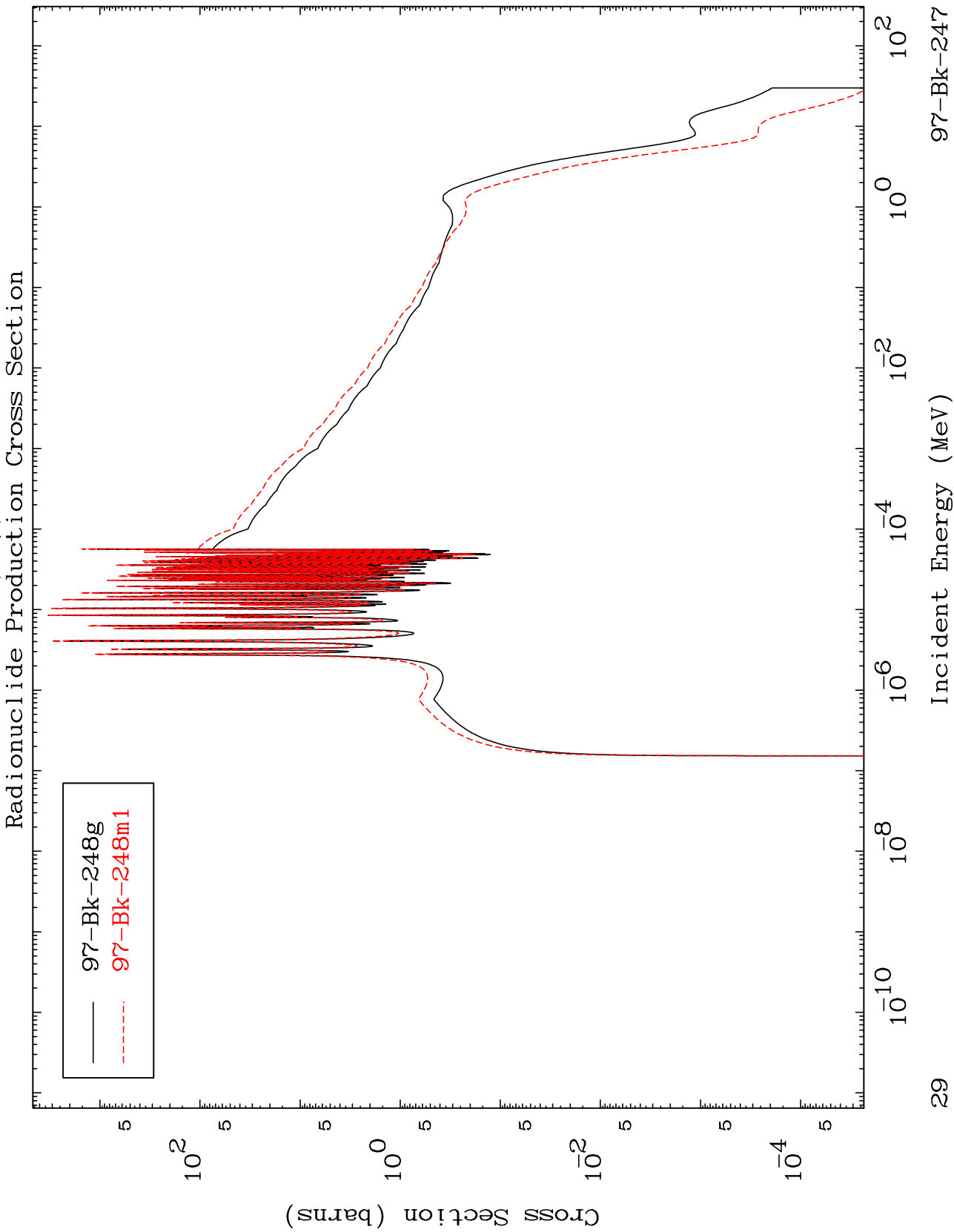
28

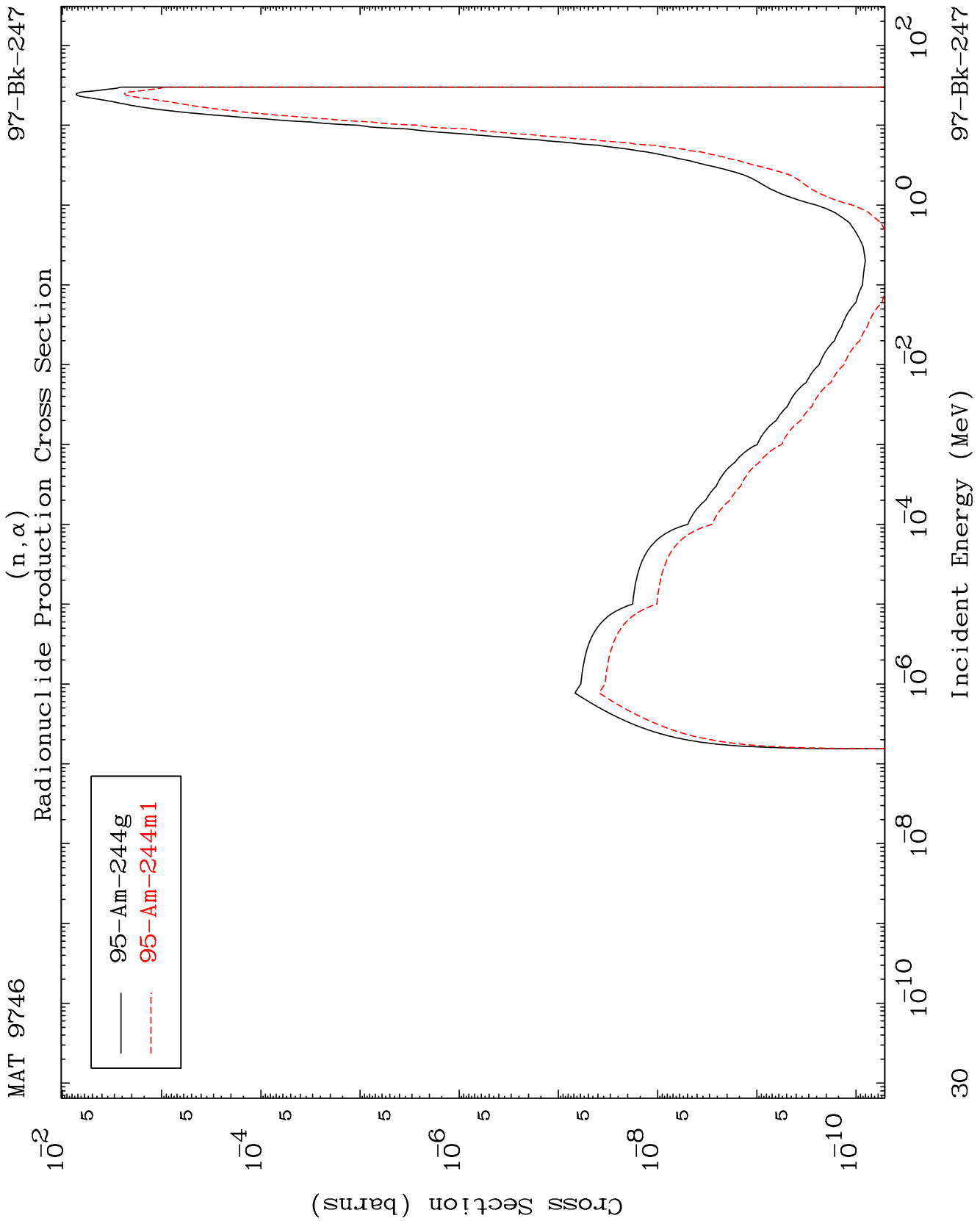
Incident Energy (MeV)

97-Bk-247

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97-Bk-247

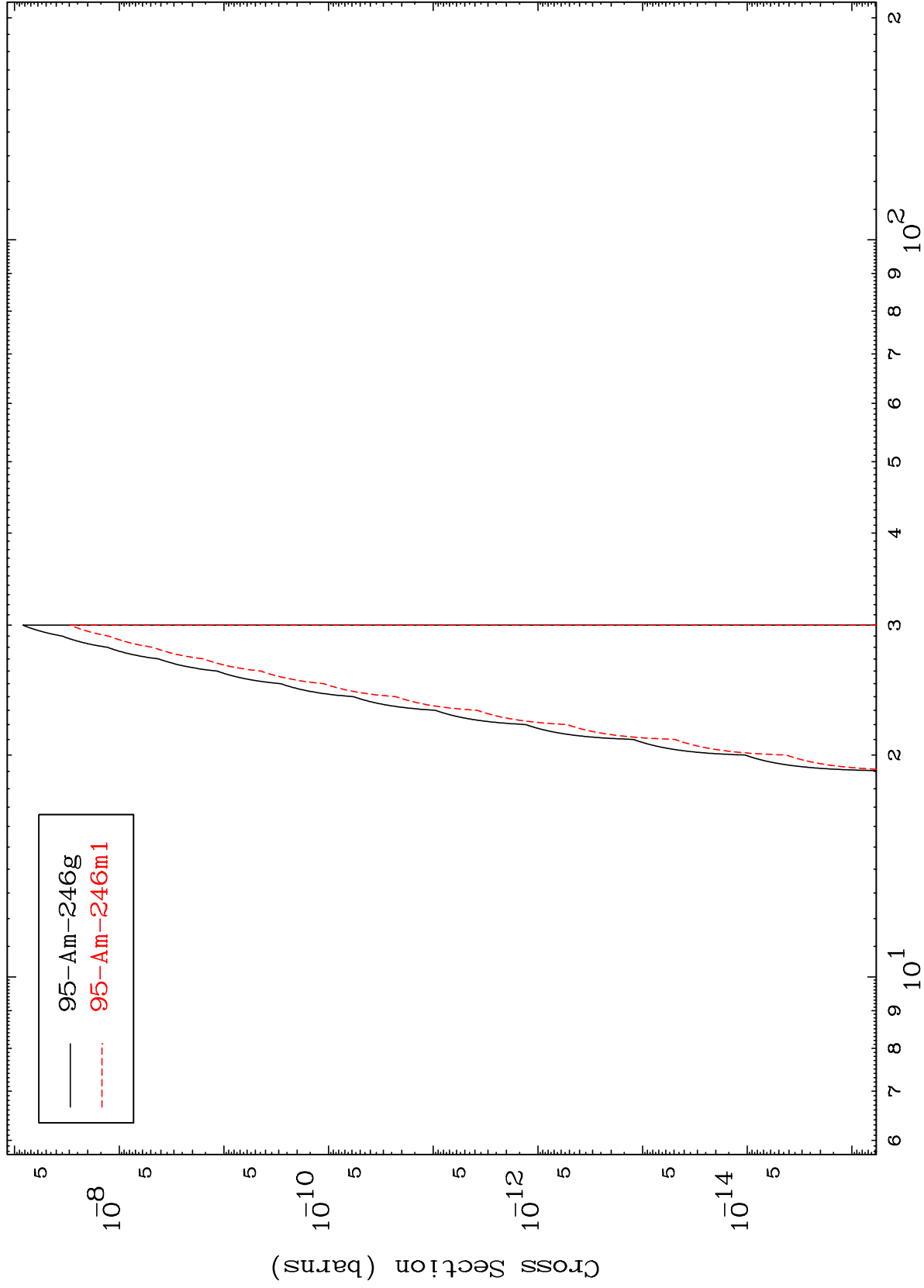




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Radionuclide Production Cross Section (n,2p)



Incident Energy (MeV)

97-Bk-247

31