

Program EVALPLOT  
(Version 2021-1)

by

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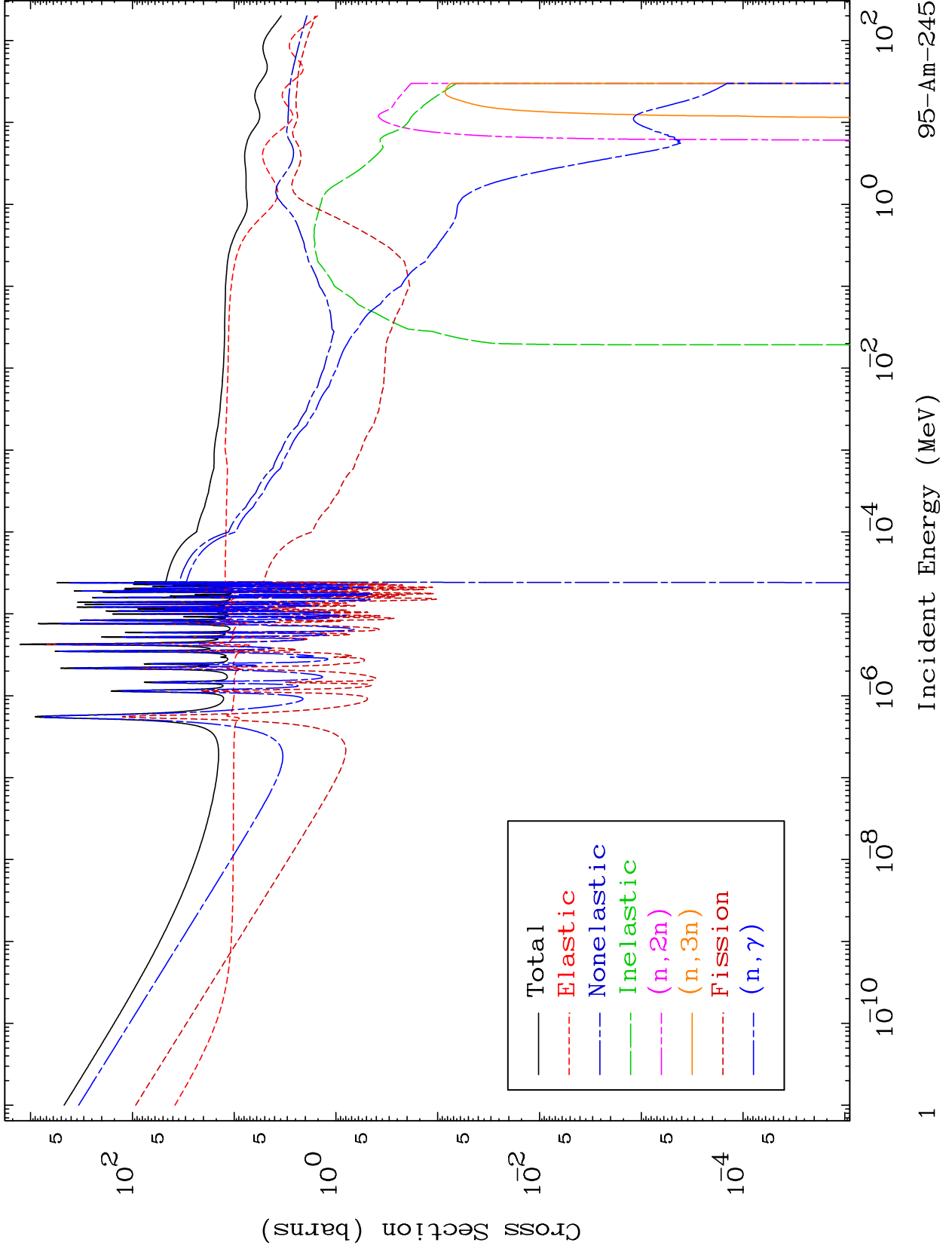
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9555

Neutron Major  
293 Kelvin Cross Sections

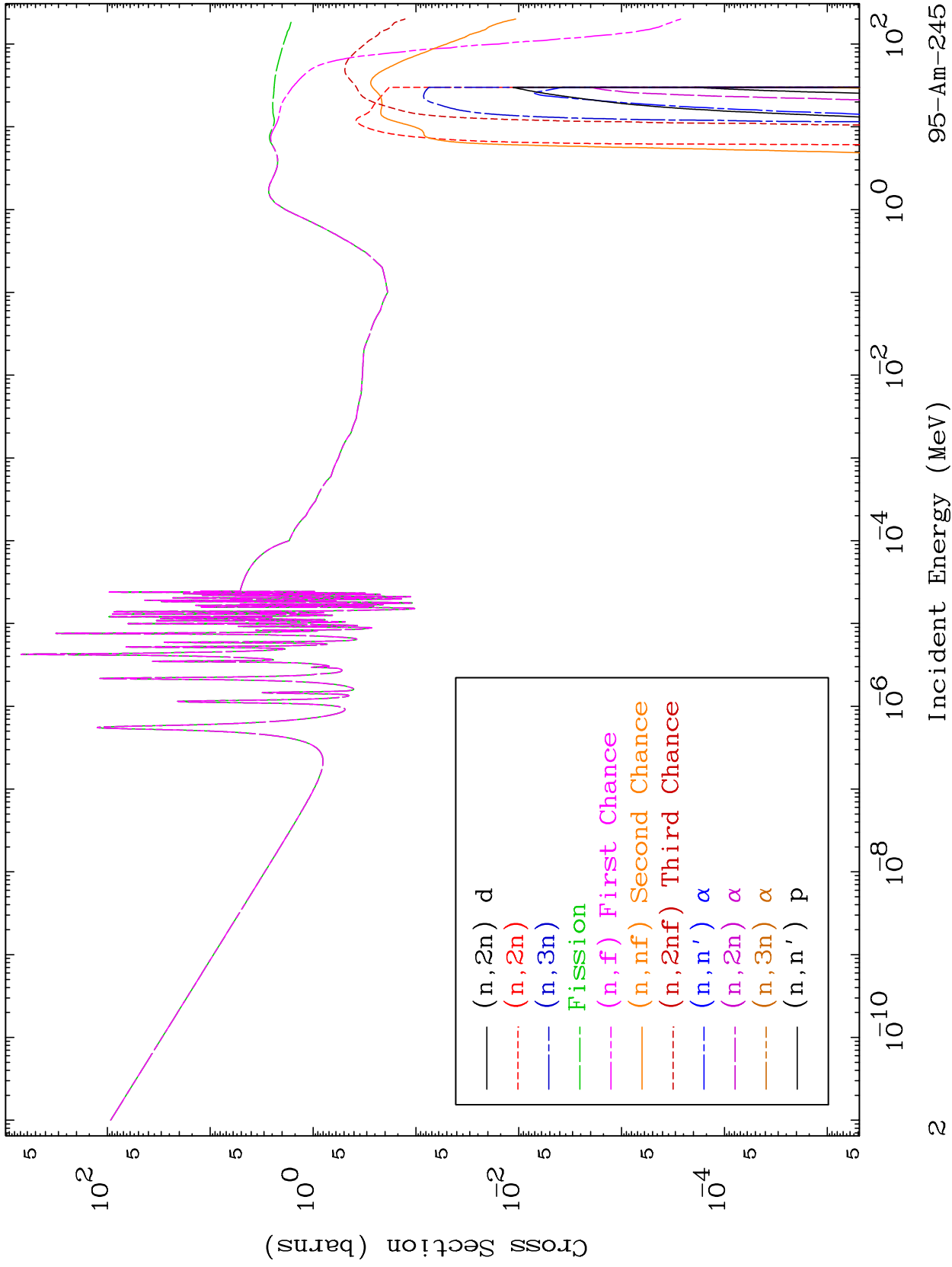
95-Am-245



MAT 9555

Neutron Absorption  
293 Kelvin Cross Sections

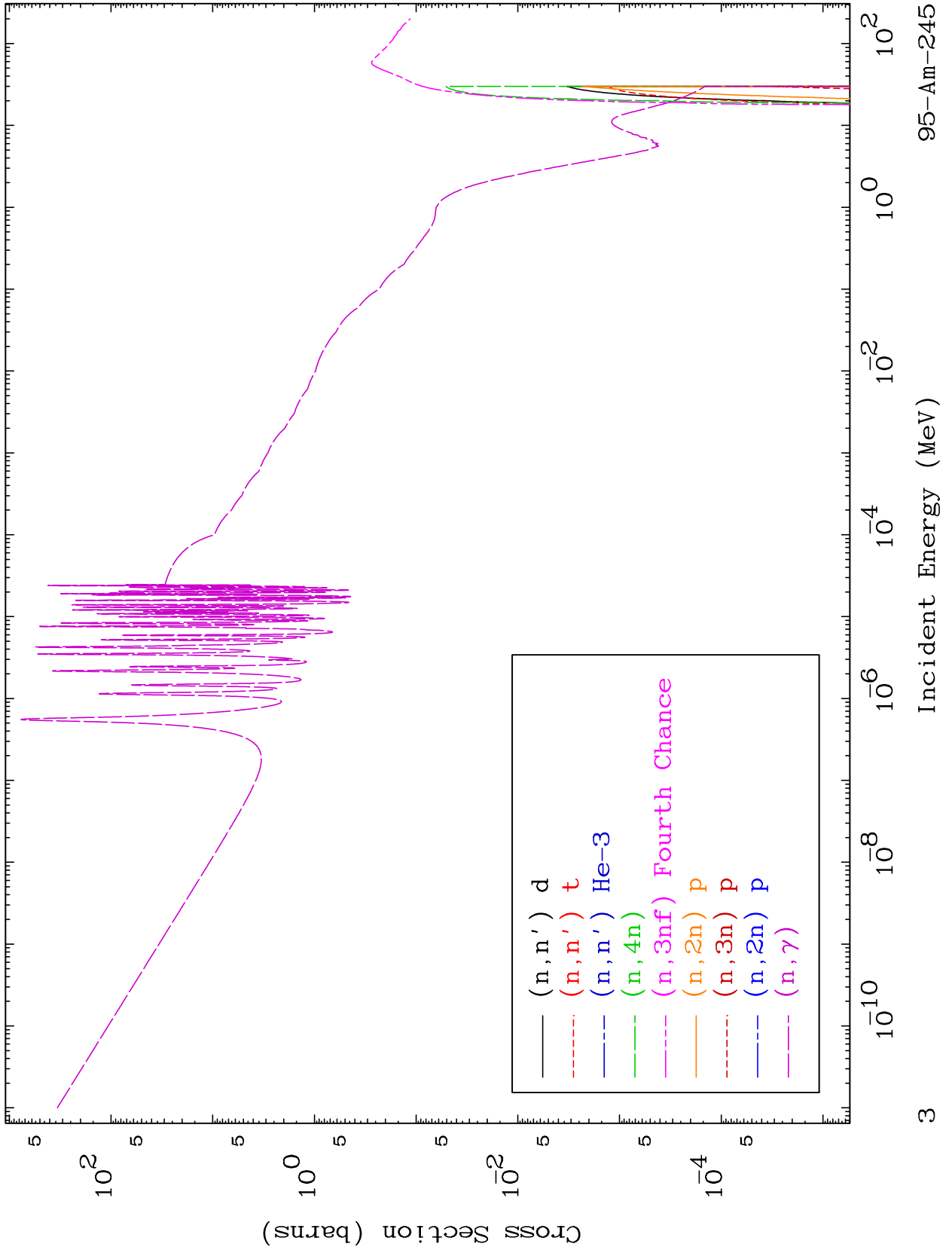
95-Am-245



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Neutron Absorption  
293 Kelvin Cross Sections

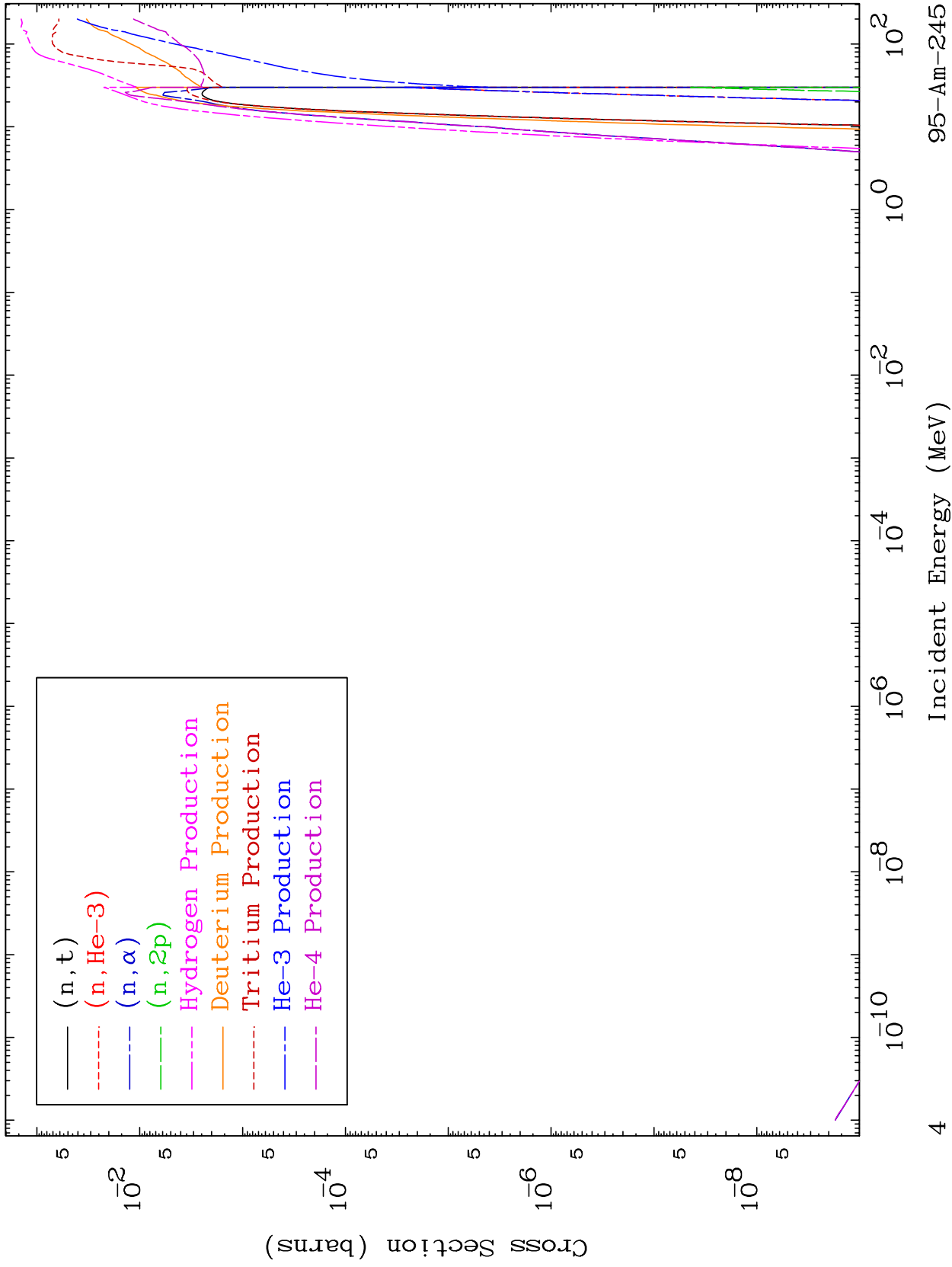
95-Am-245



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Neutron Absorption  
293 Kelvin Cross Sections

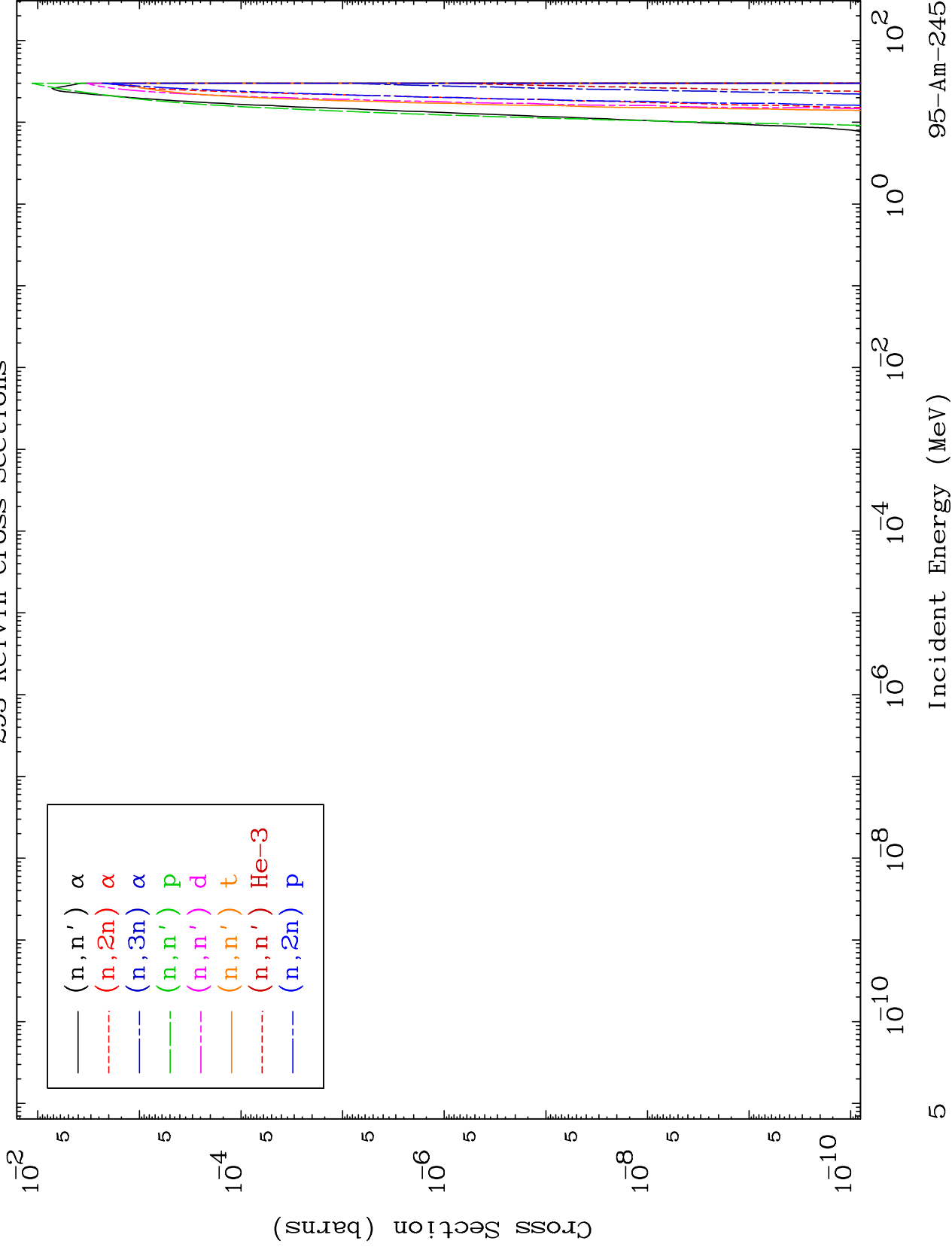
95-Am-245

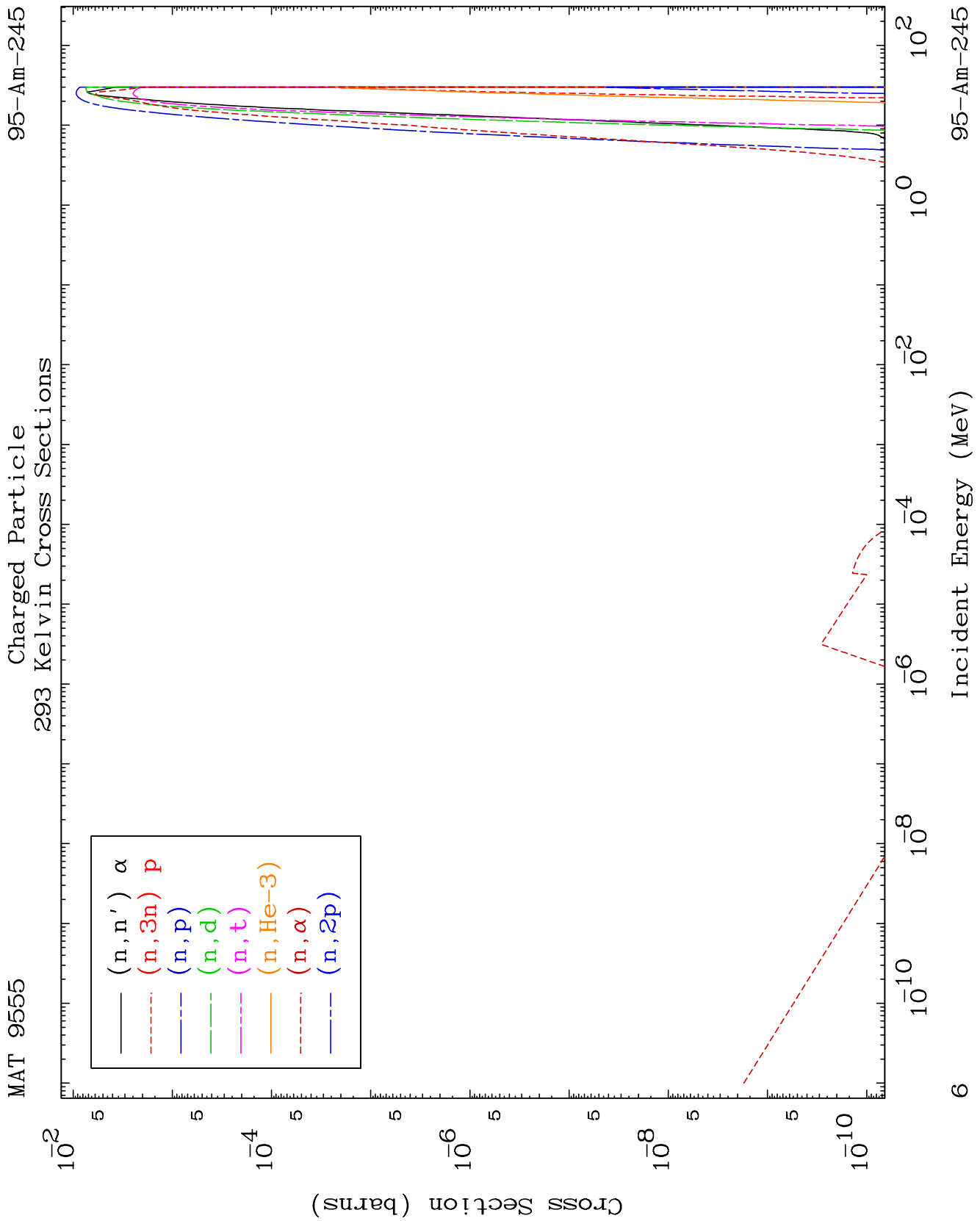


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Charged Particle  
293 Kelvin Cross Sections

95-Am-245

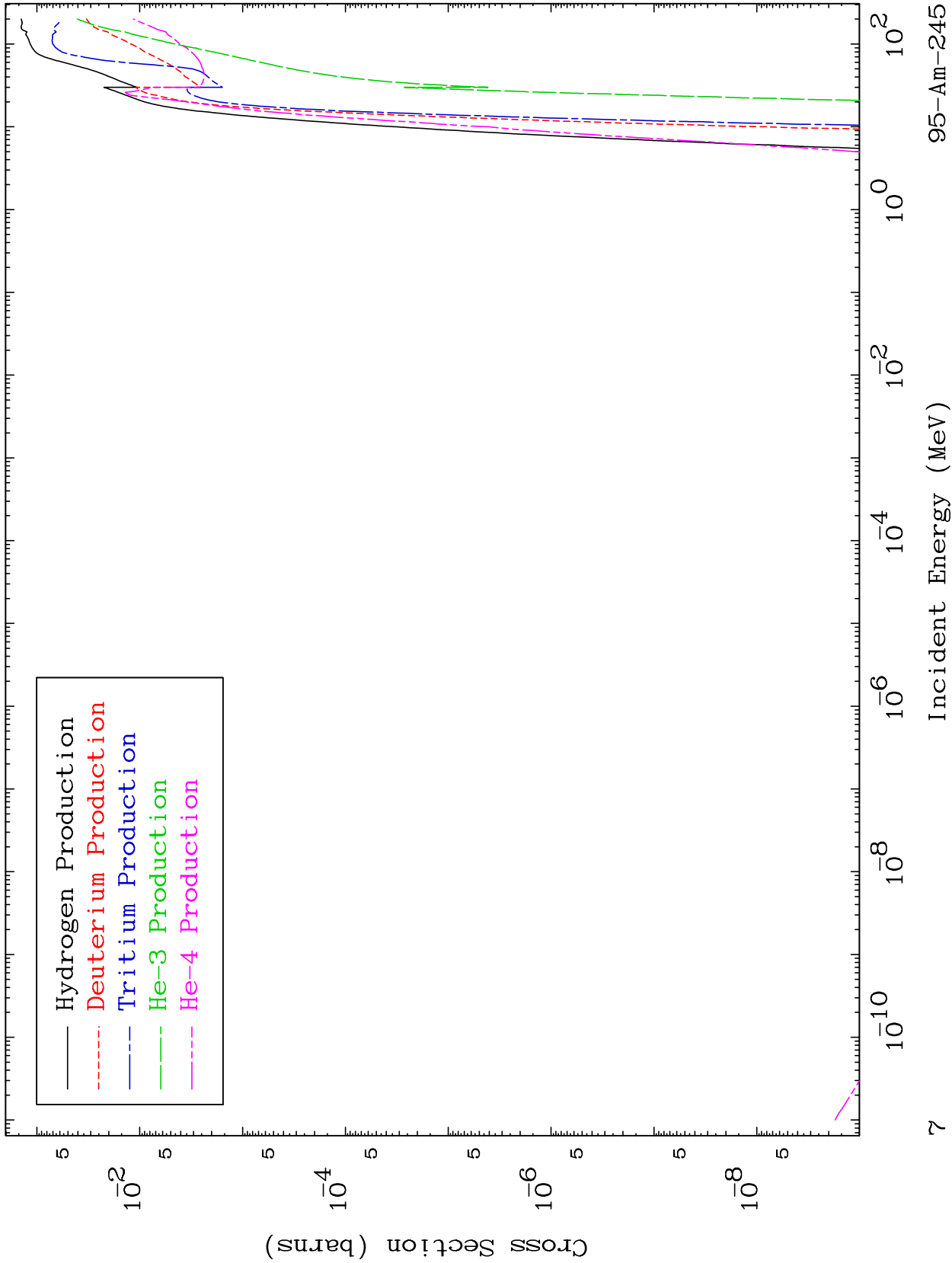




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Particle Production  
293 Kelvin Cross Sections

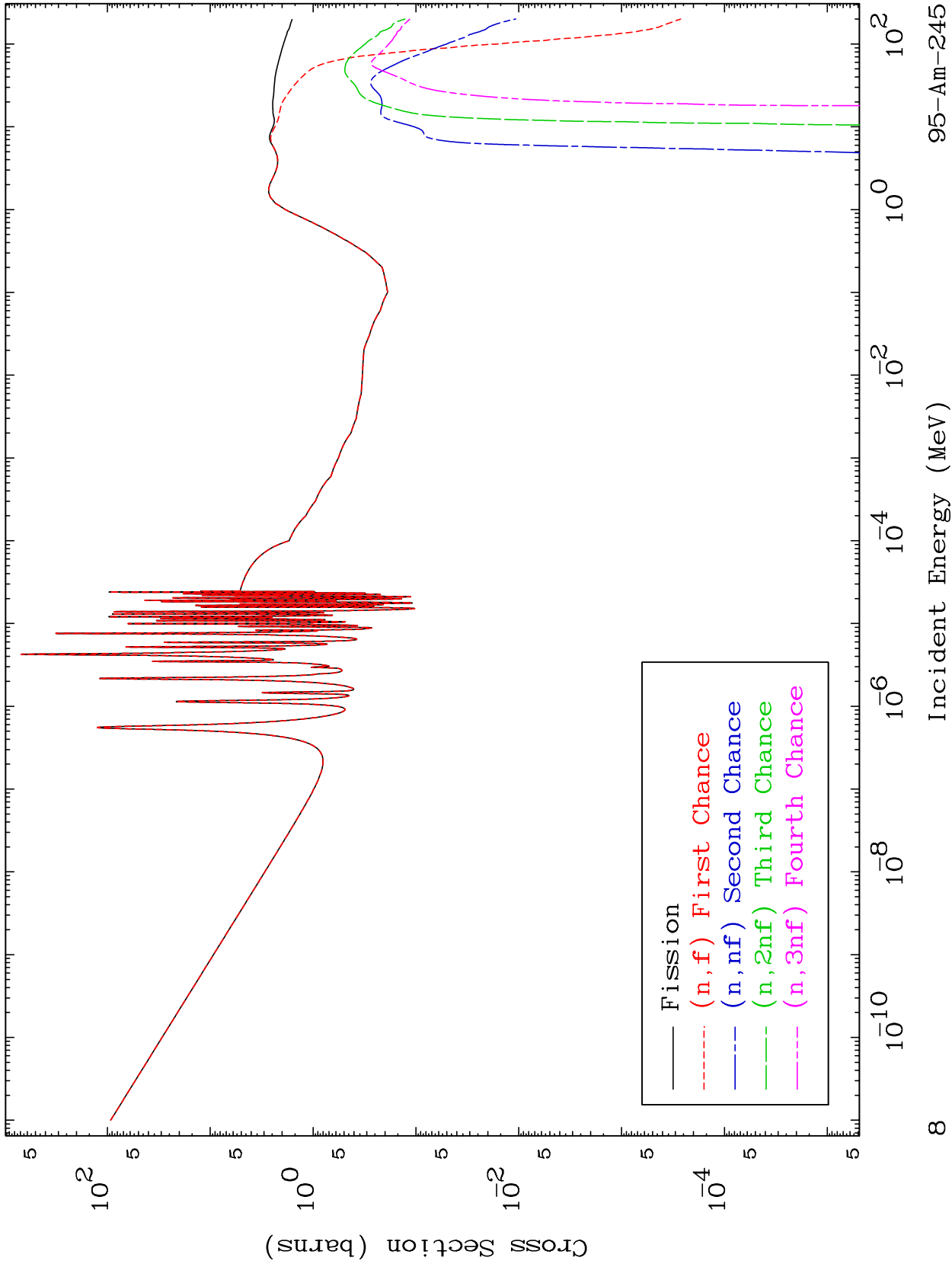
95-Am-245

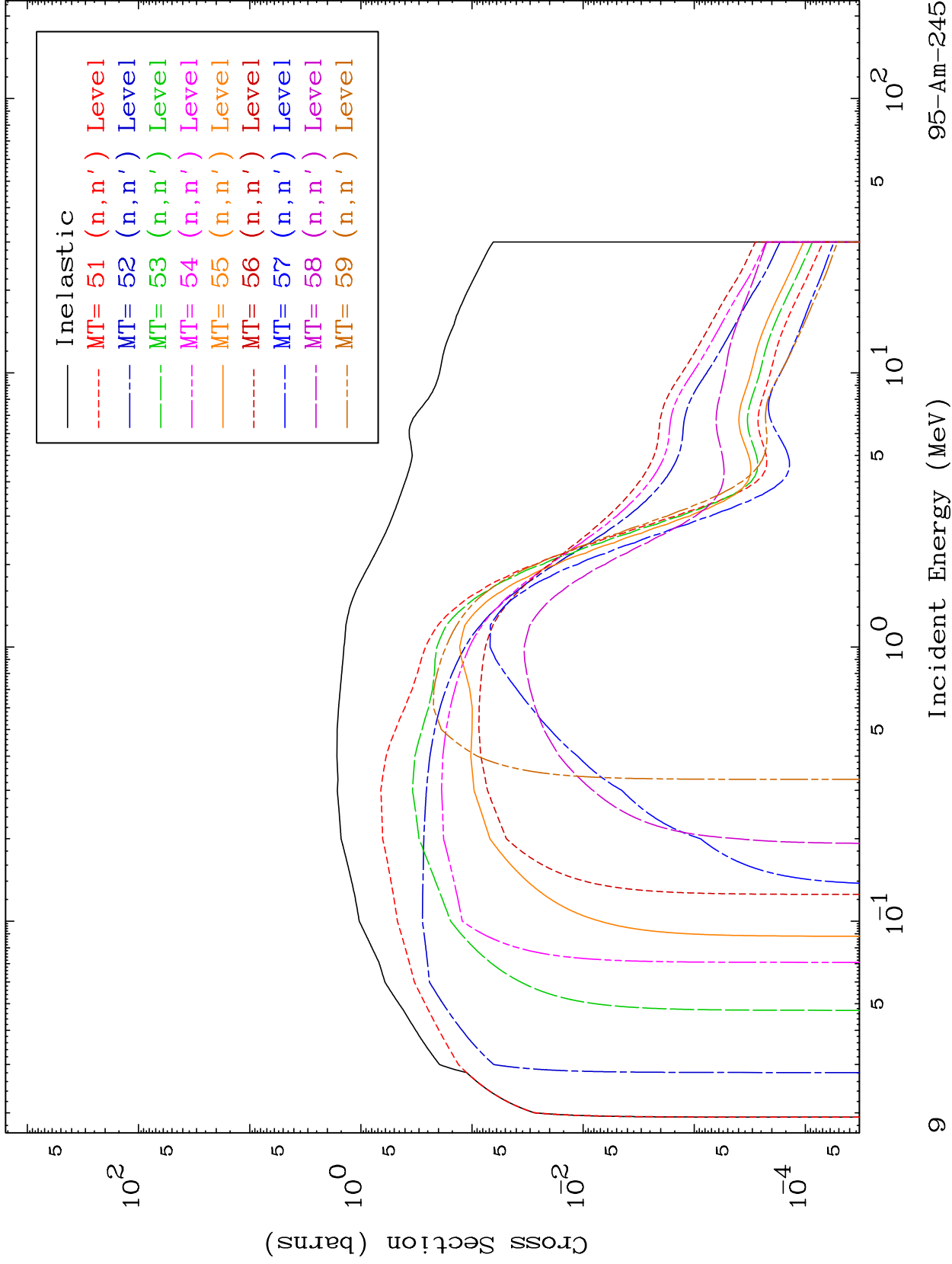


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Fission  
293 Kelvin Cross Sections

95-Am-245



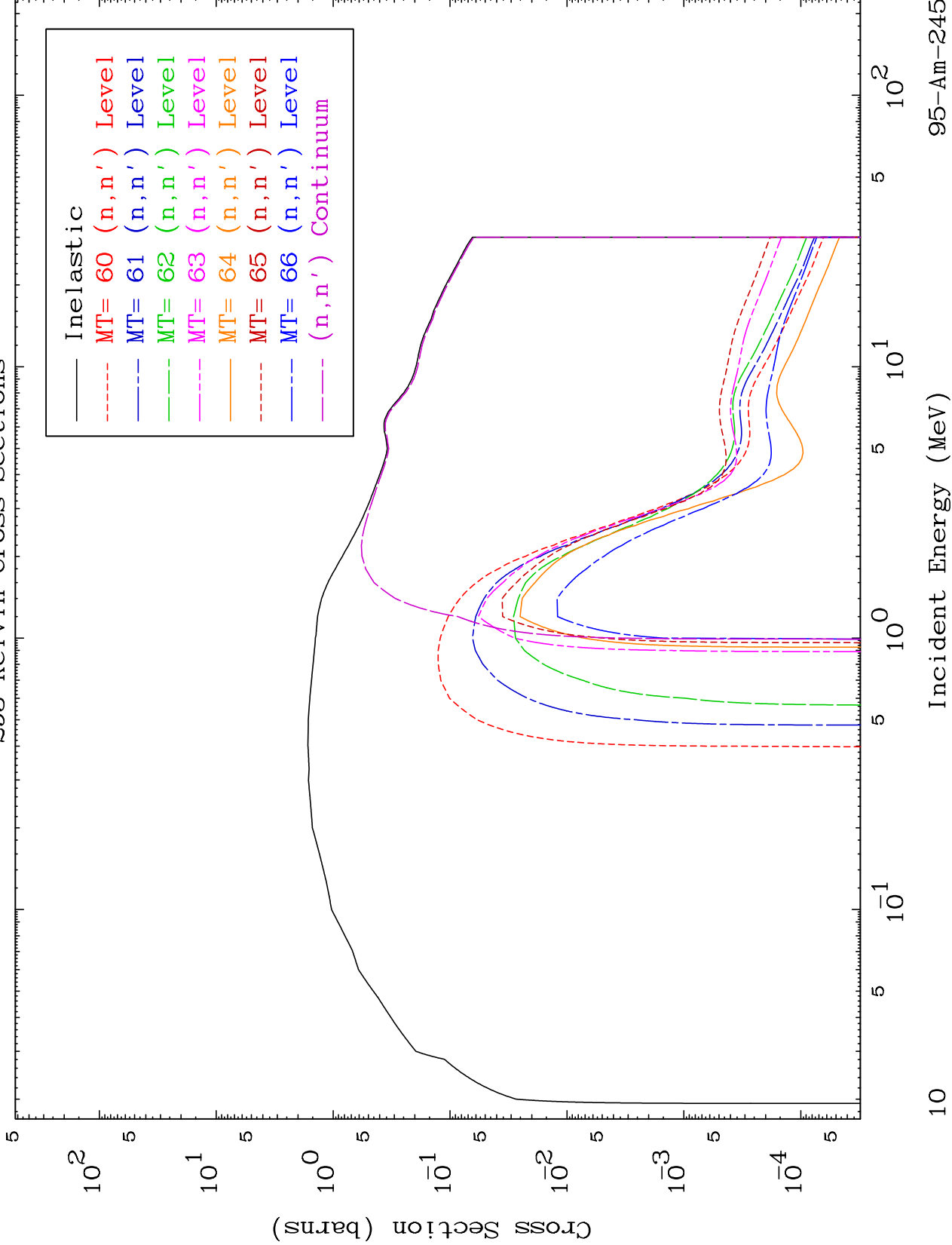


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(n,n') Levels

95-Am-245

293 Kelvin Cross Sections



95-Am-245

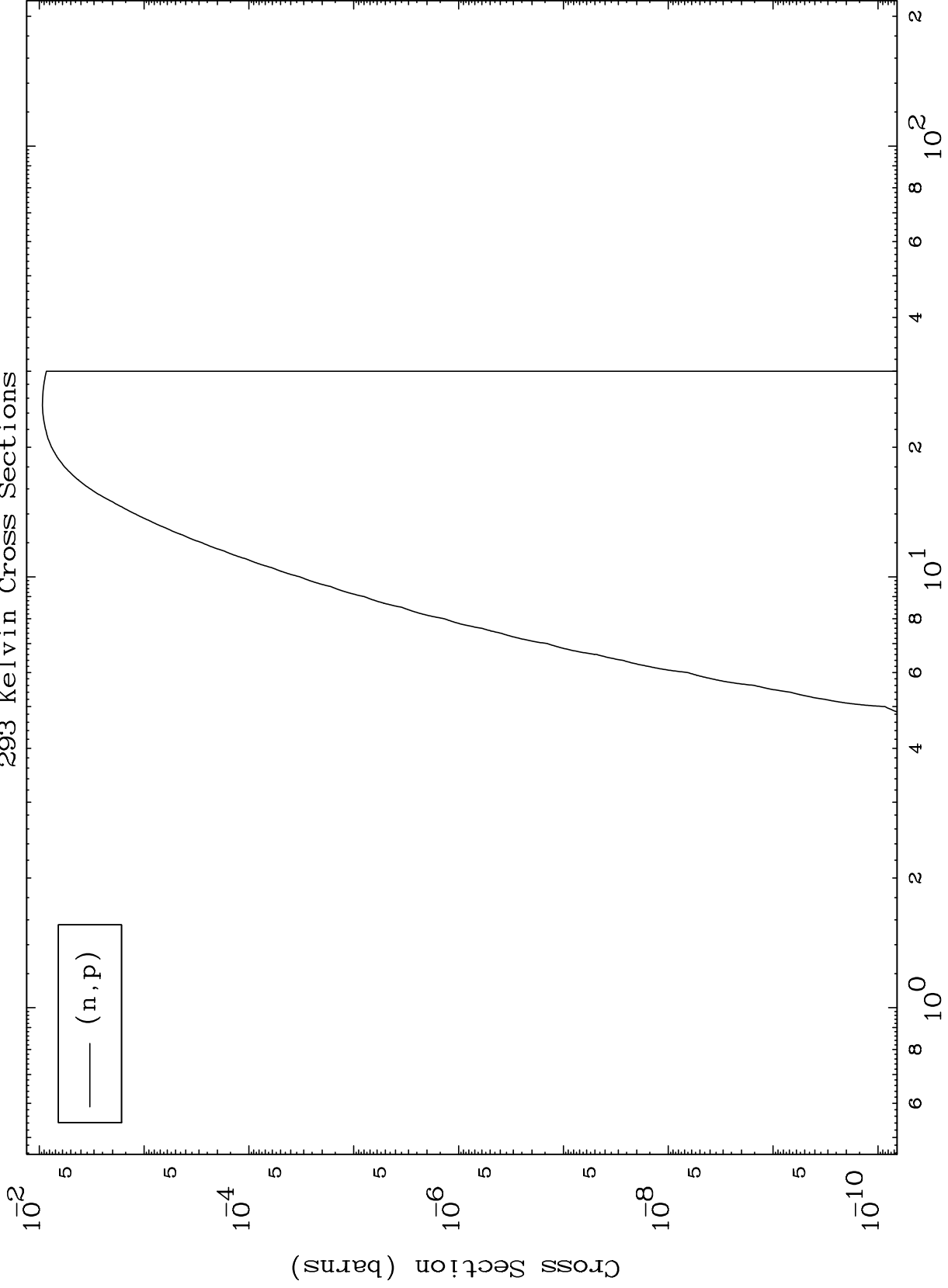
Incident Energy (MeV)

10

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(n,p) Levels  
293 Kelvin Cross Sections

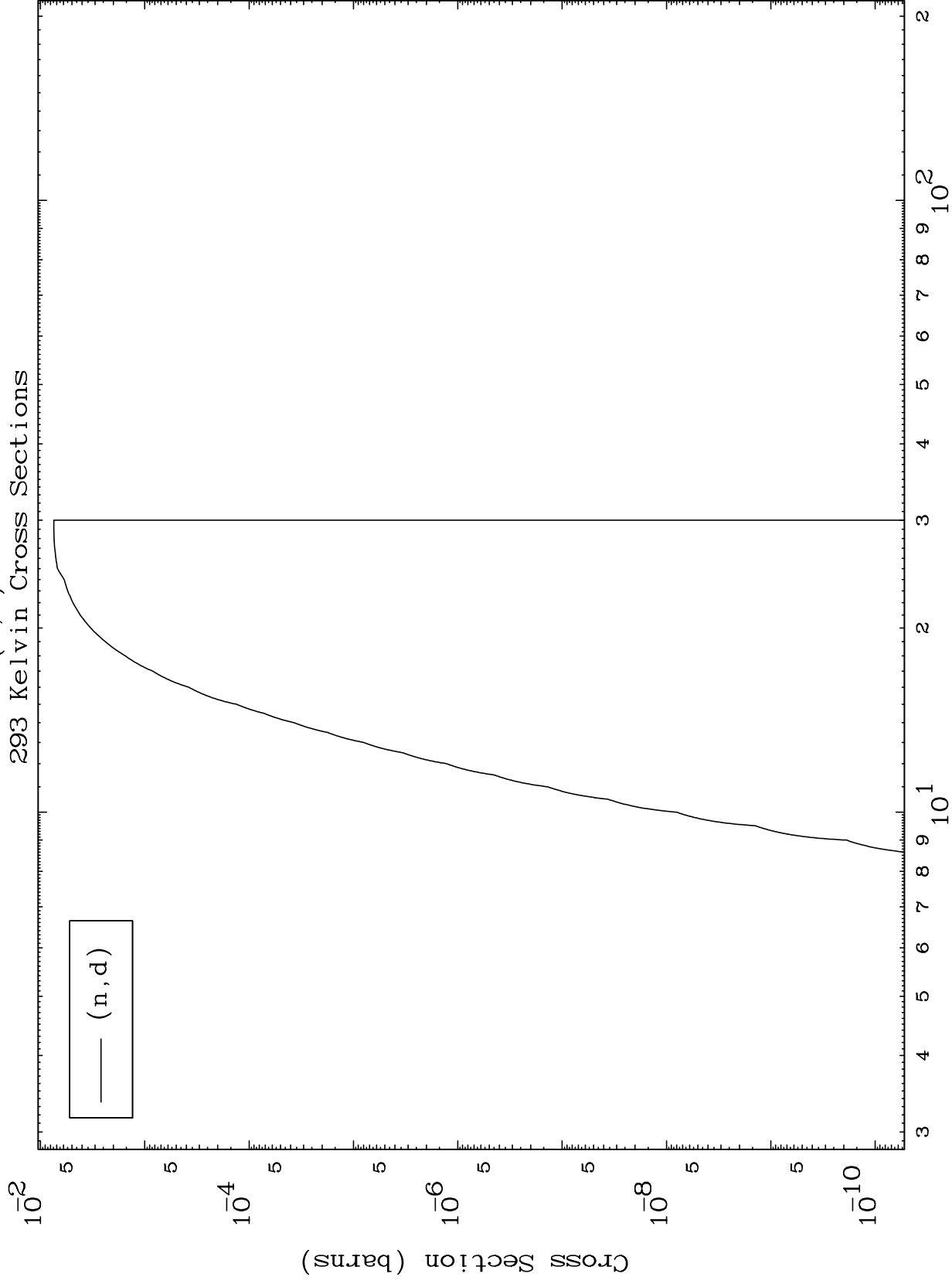
95-Am-245



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(n,d) Levels  
293 Kelvin Cross Sections

95-Am-245



12

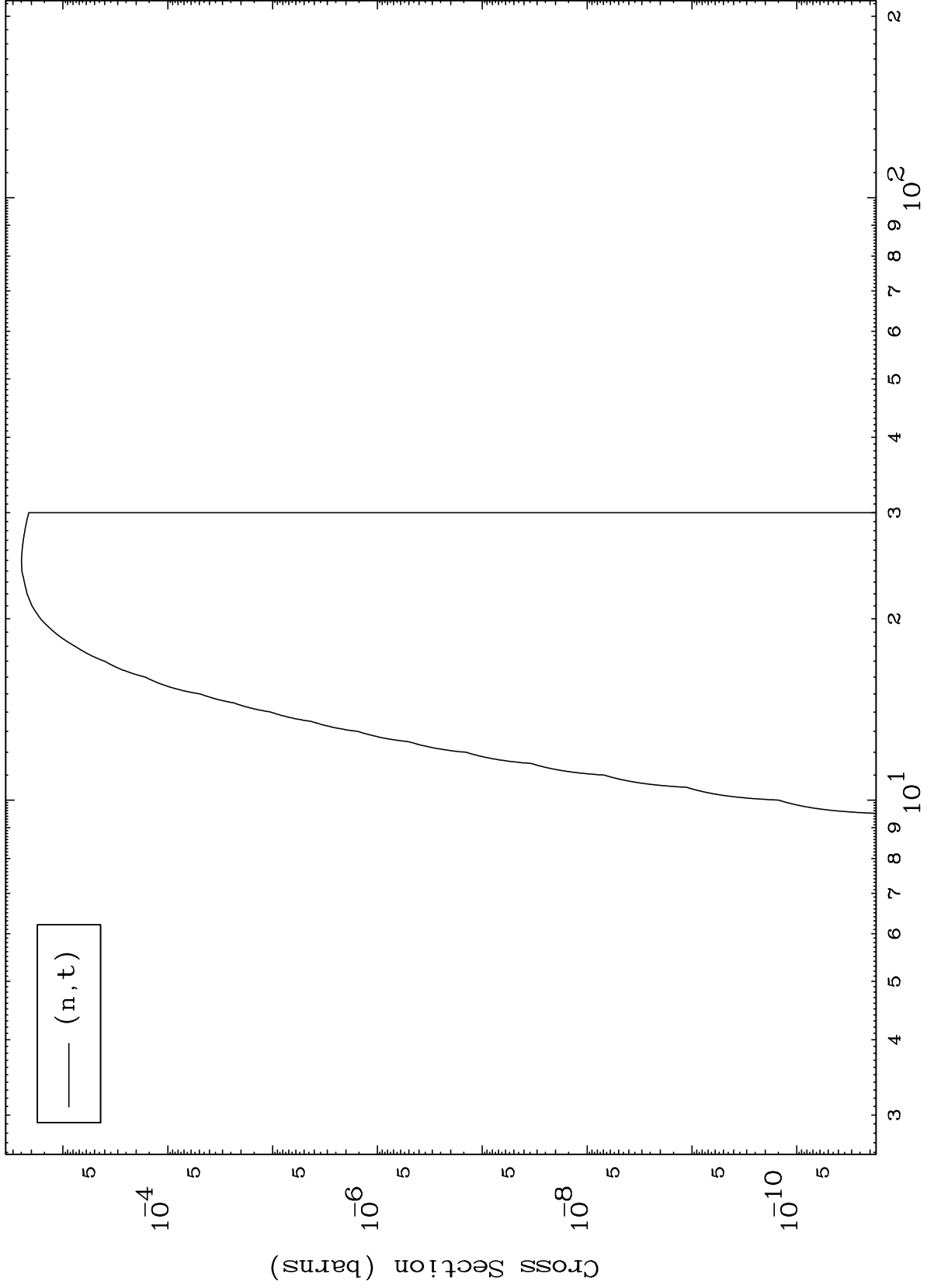
Incident Energy (MeV)

95-Am-245

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(n,t) Levels  
293 Kelvin Cross Sections

95-Am-245



13

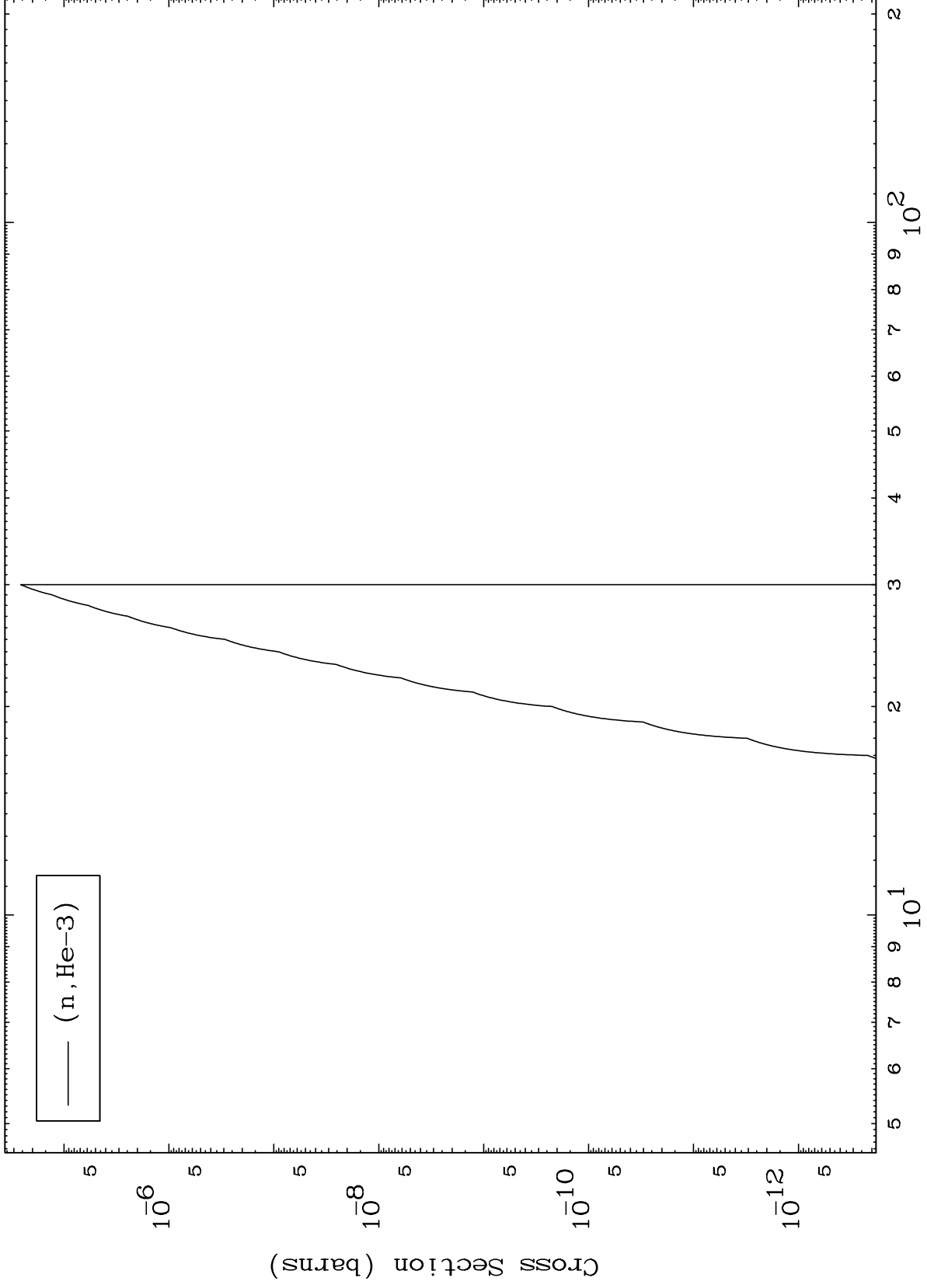
Incident Energy (MeV)

95-Am-245

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(n,He3) Levels  
293 Kelvin Cross Sections

95-Am-245



14

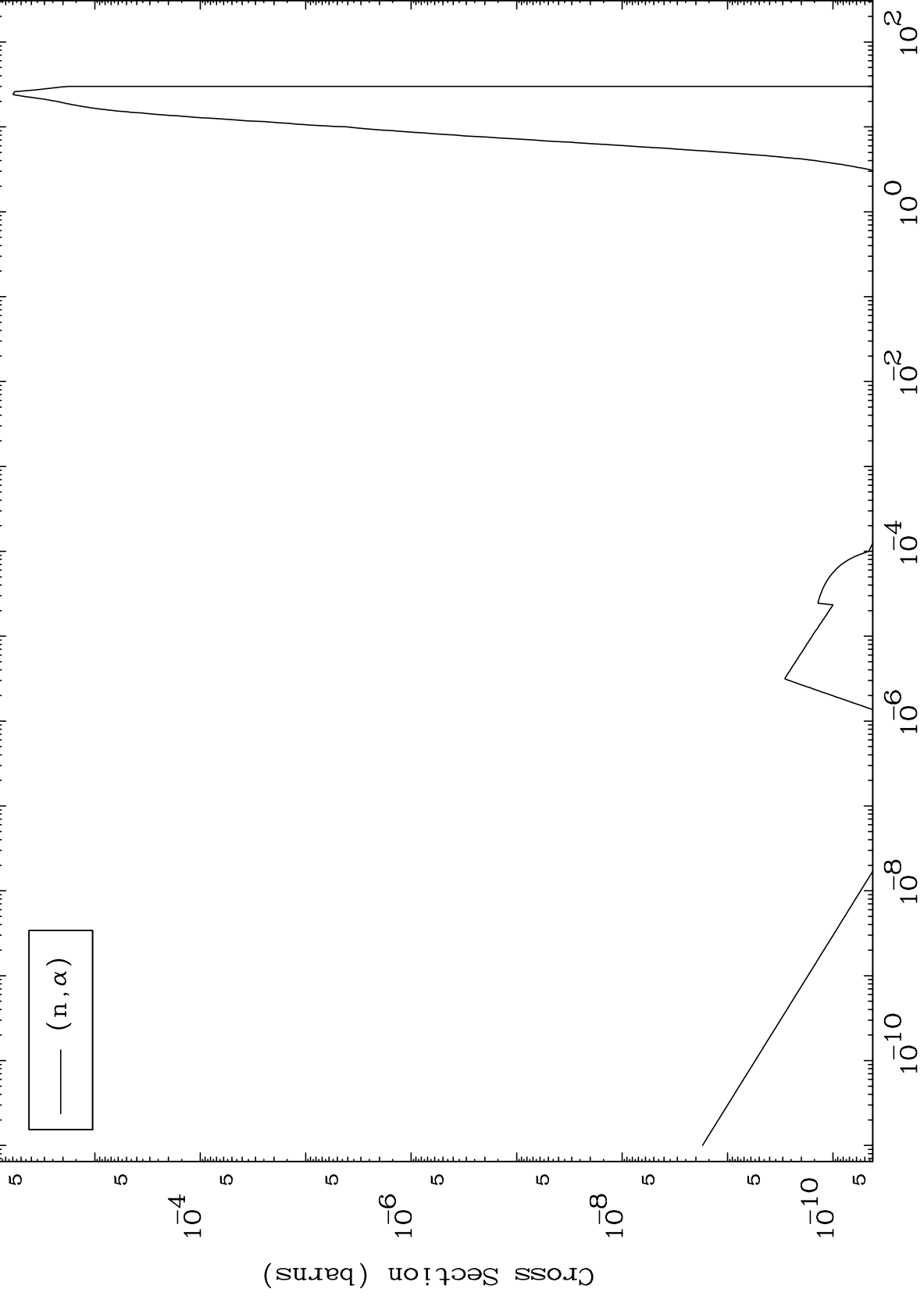
Incident Energy (MeV)

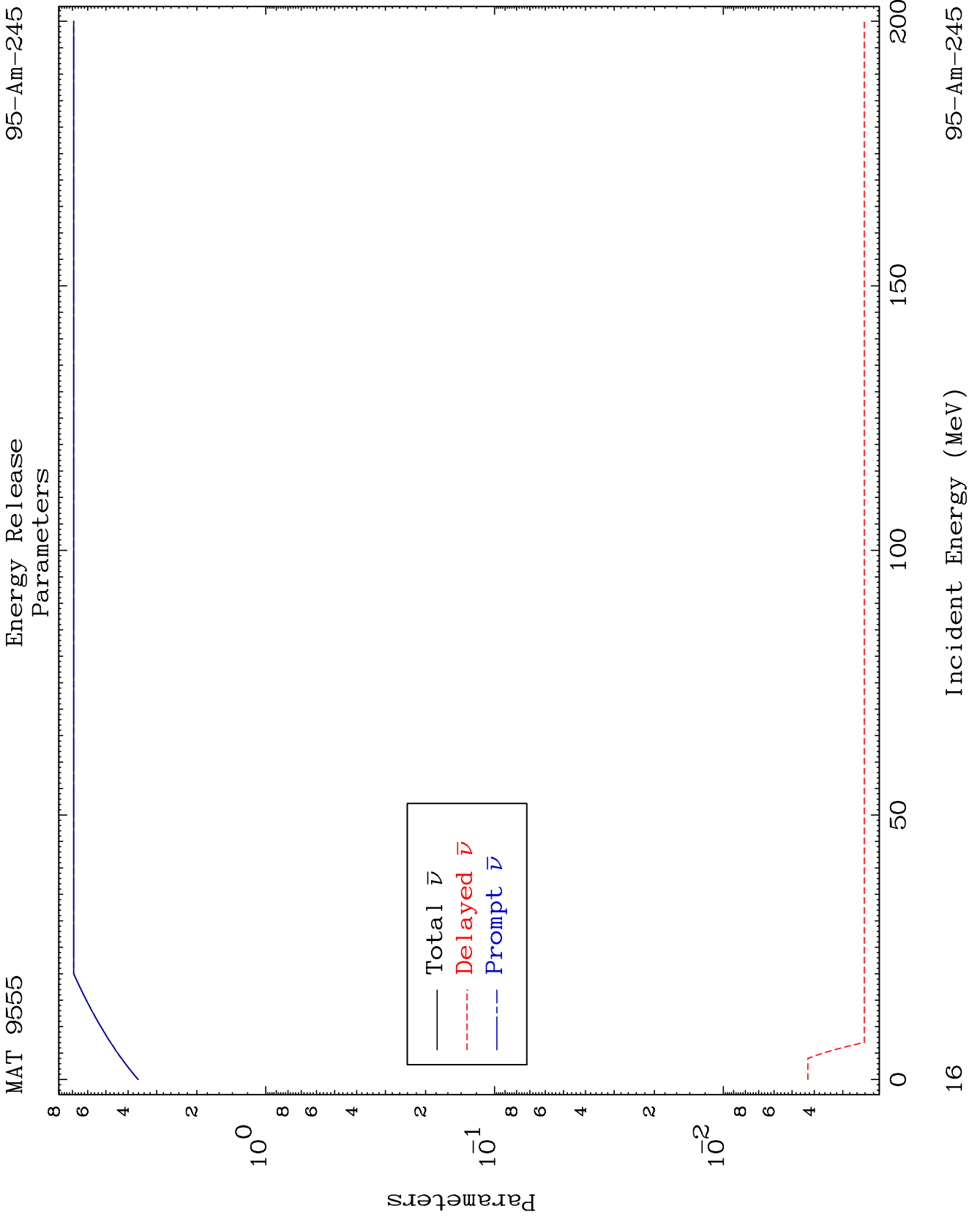
95-Am-245

MAT 9555

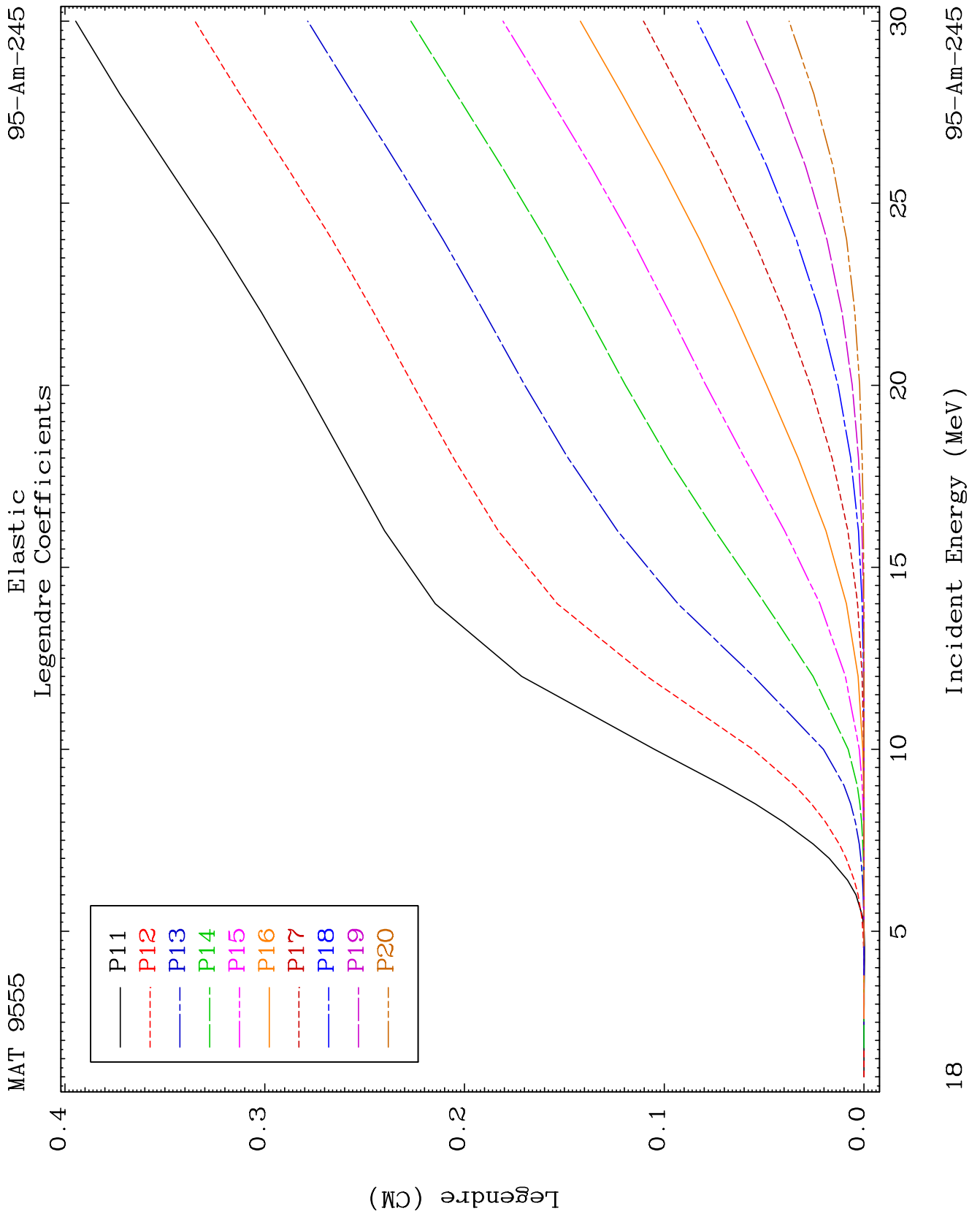
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

95-Am-245





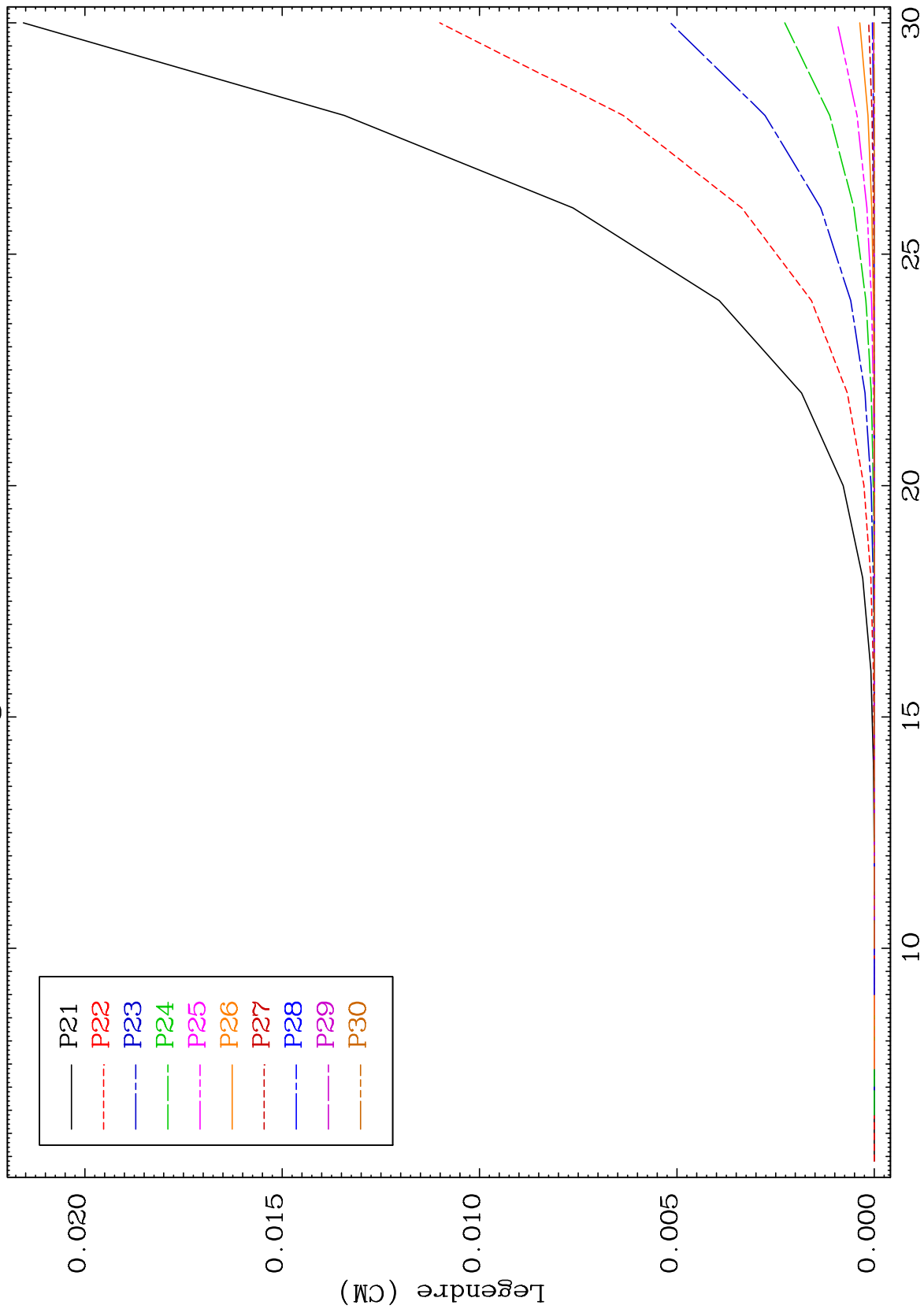




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Elastic Legendre Coefficients

95-Am-245



19

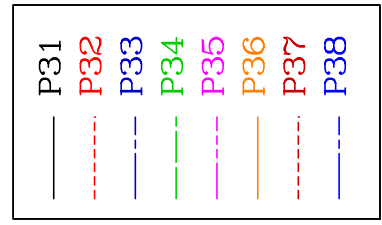
Incident Energy (MeV)

95-Am-245

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Elastic Legendre Coefficients

95-Am-245



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

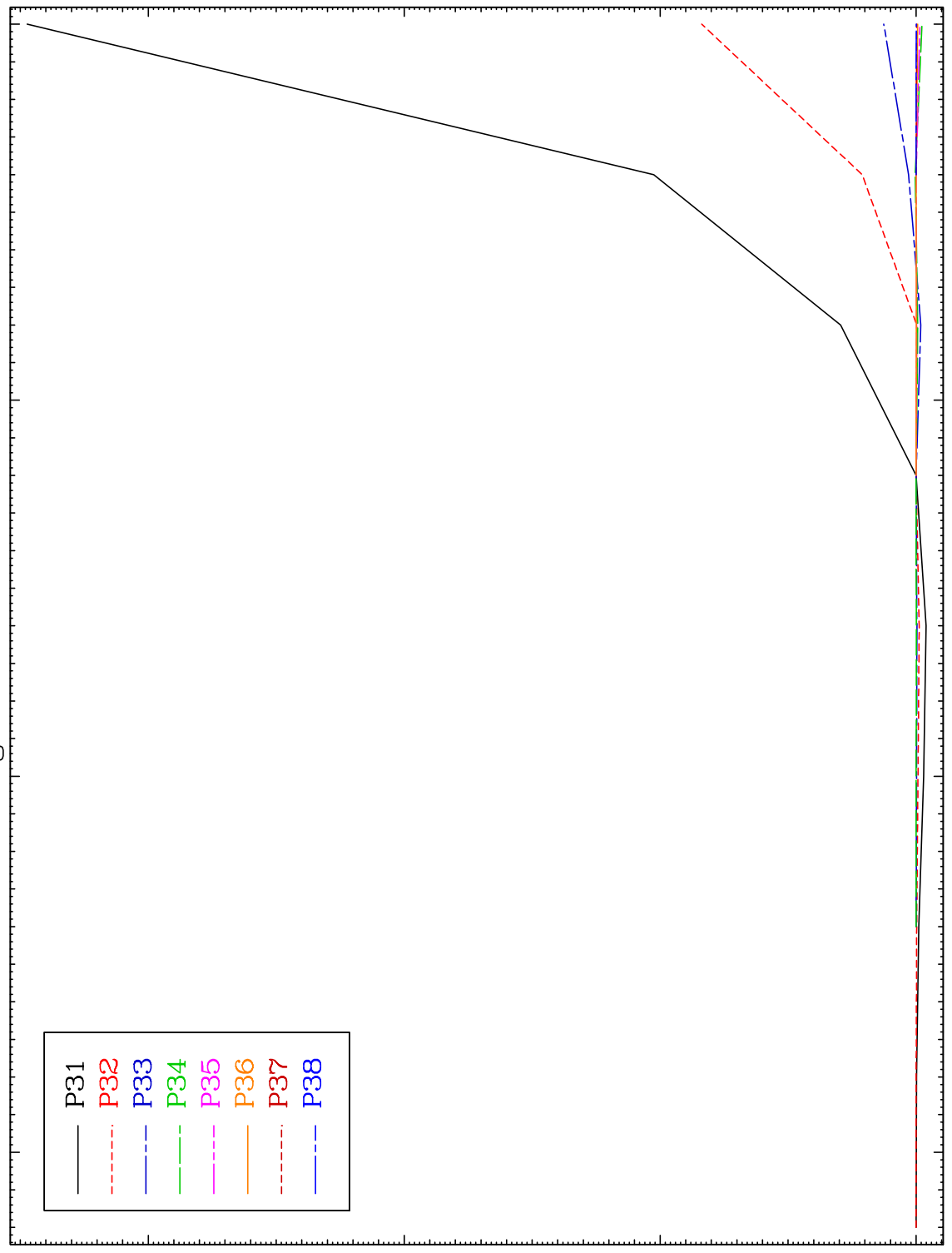
25

30

20

Incident Energy (MeV)

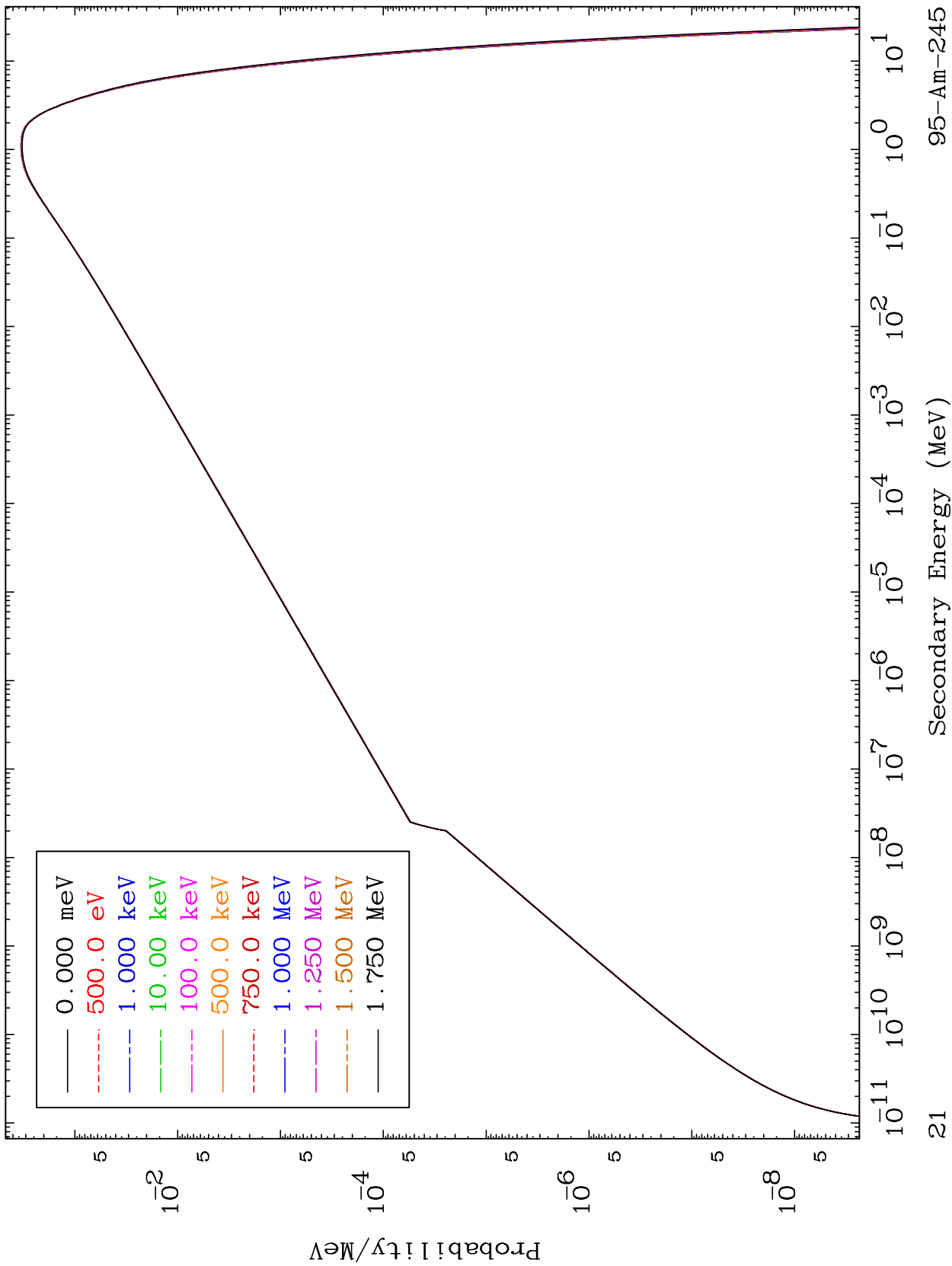
95-Am-245



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### Fission Energy Distributions

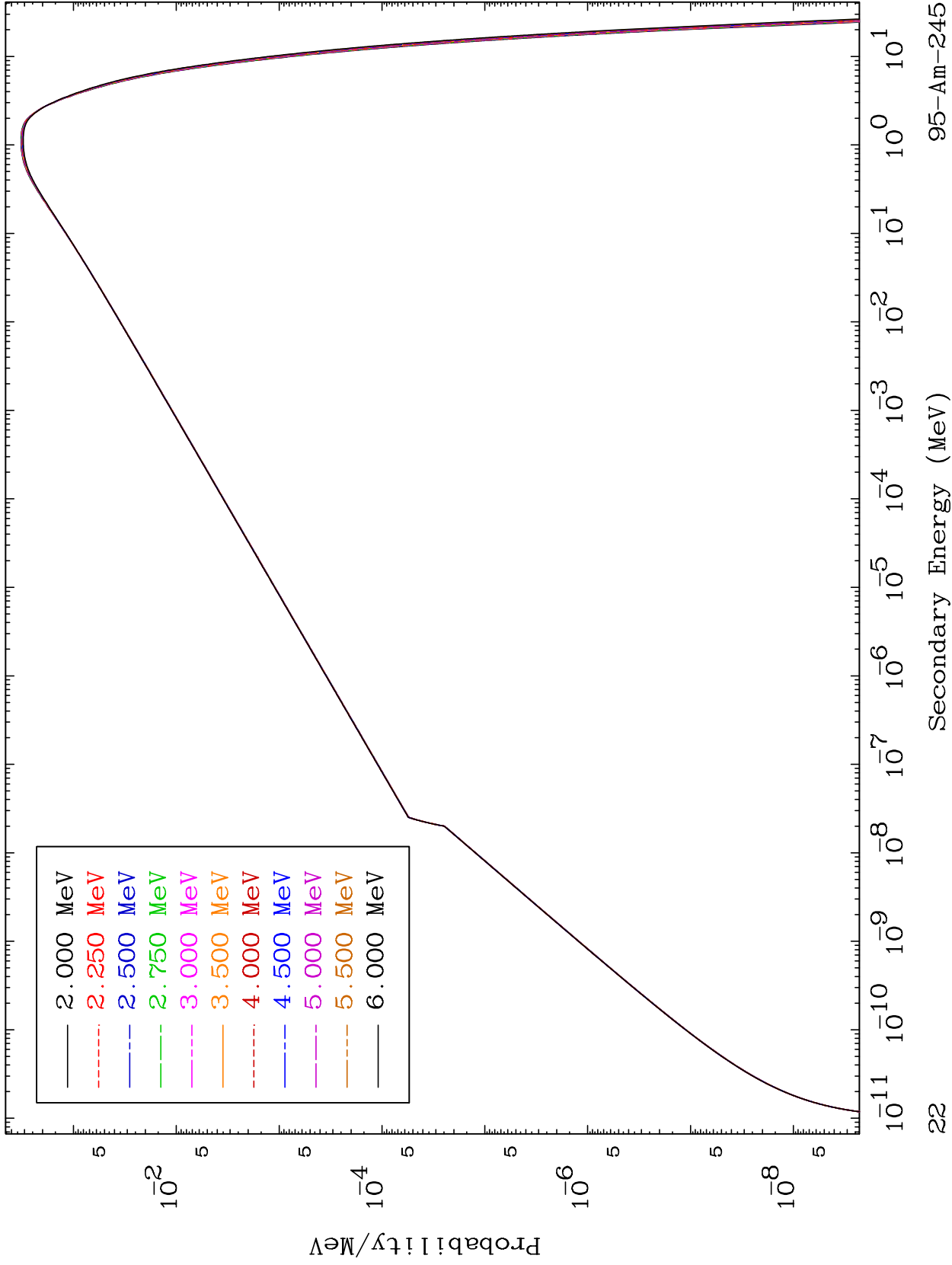
95-Am-245



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### Fission Energy Distributions

95-Am-245



95-Am-245

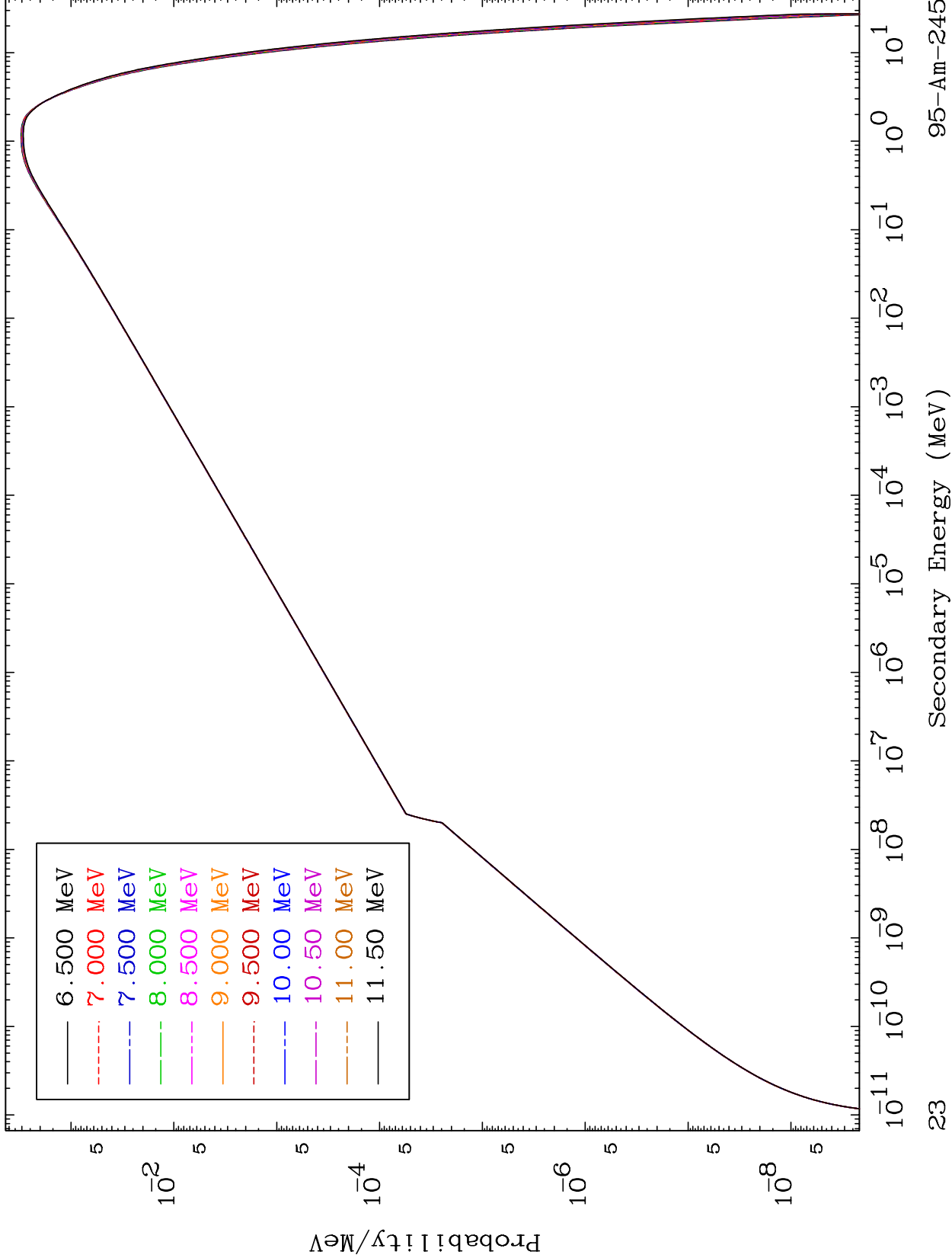
Secondary Energy (MeV)

22

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### Fission Energy Distributions

95-Am-245



95-Am-245

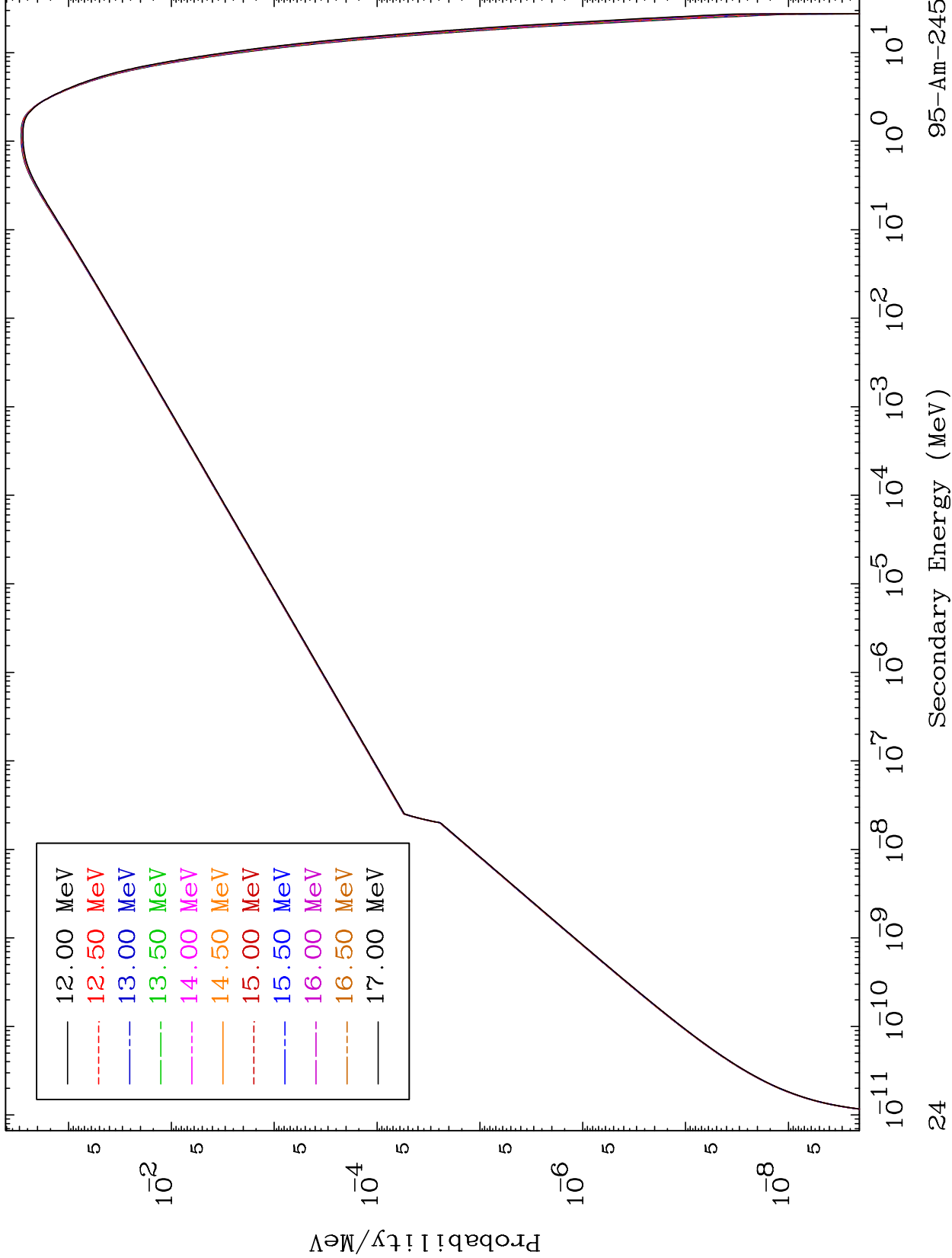
Secondary Energy (MeV)

23

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### Fission Energy Distributions

95-Am-245



95-Am-245

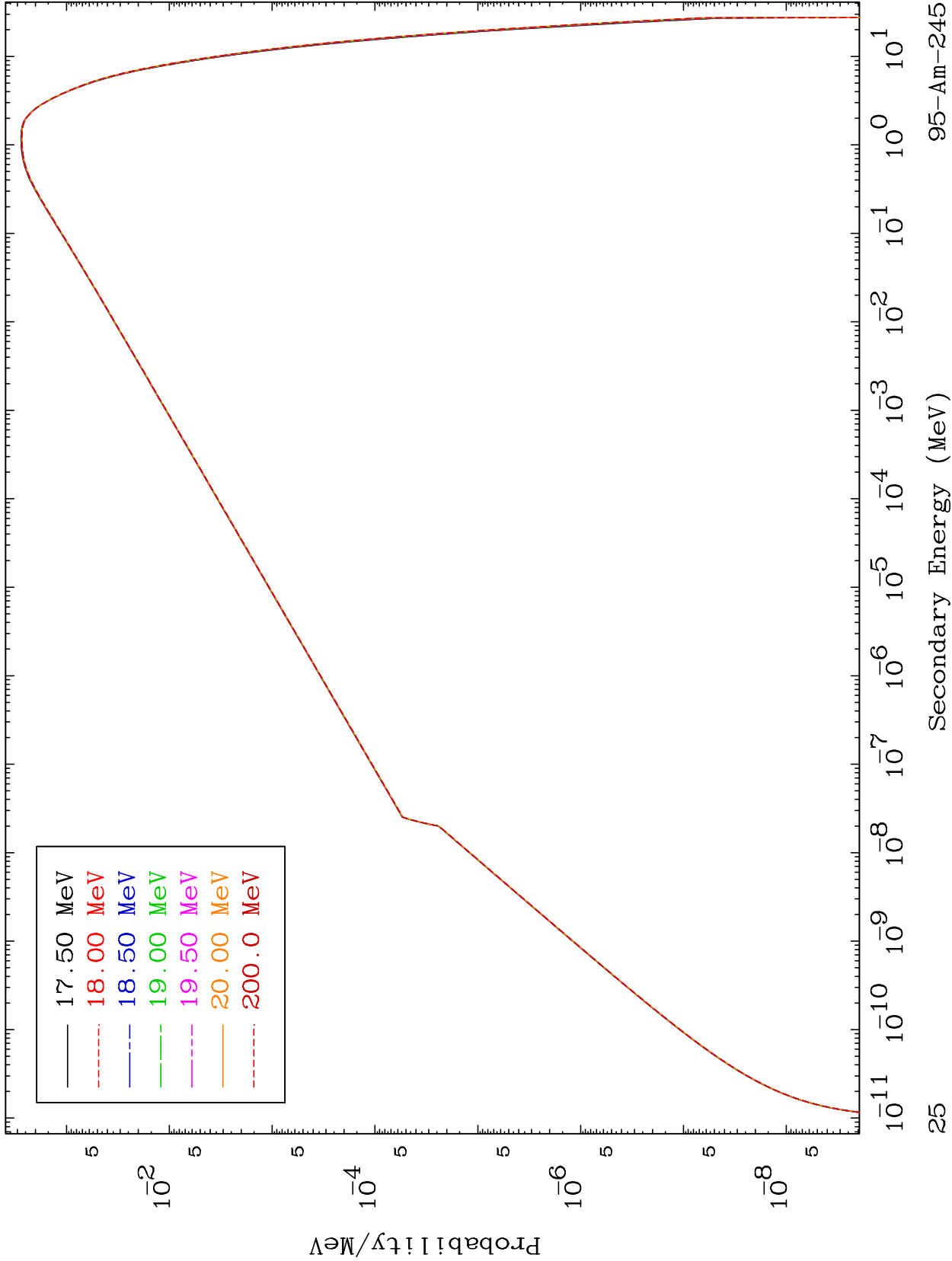
Secondary Energy (MeV)

24

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### Fission Energy Distributions

95-Am-245



- 17.50 MeV
- 18.00 MeV
- 18.50 MeV
- 19.00 MeV
- 19.50 MeV
- 20.00 MeV
- 200.0 MeV

95-Am-245

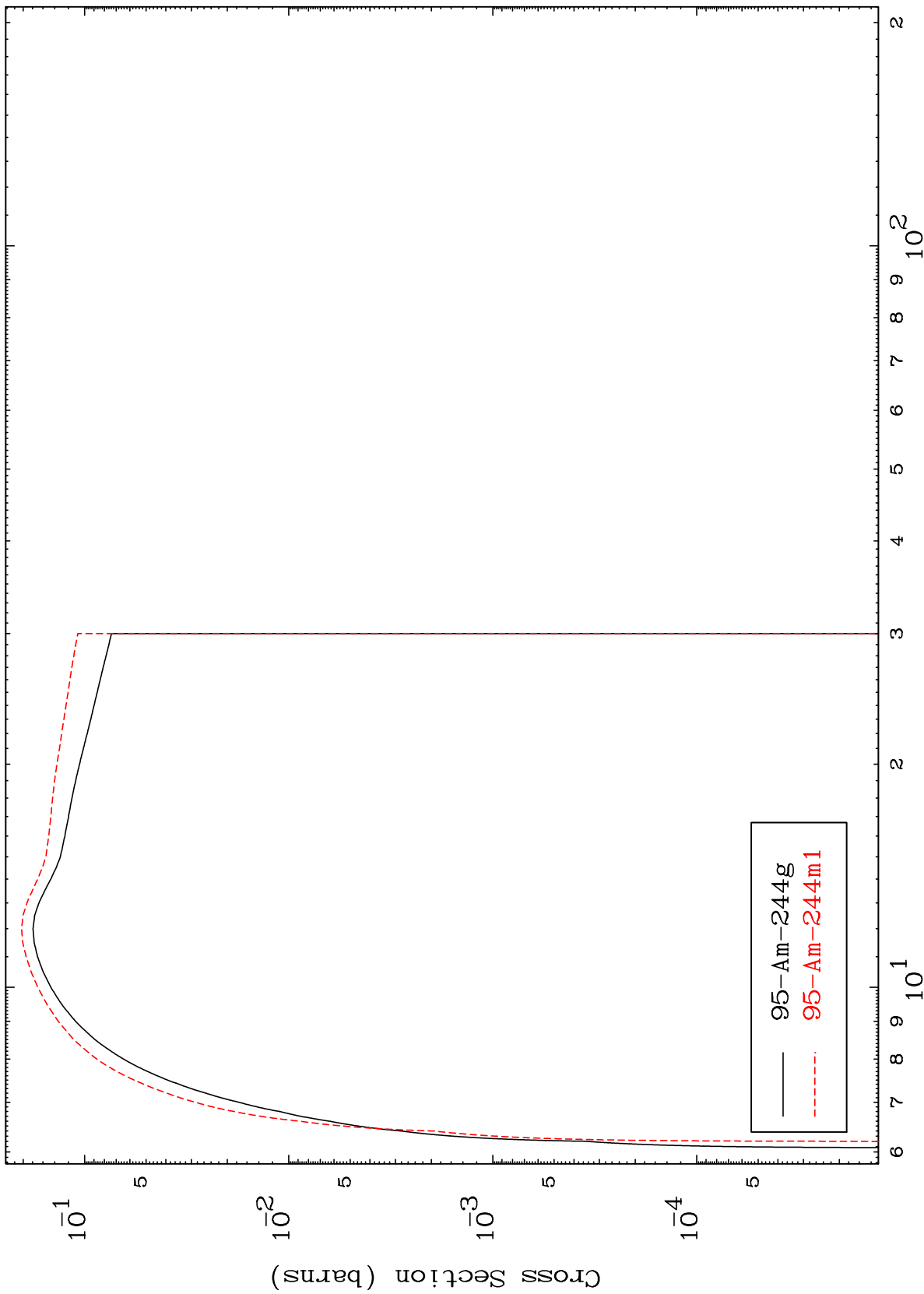
Secondary Energy (MeV)

25

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95-Am-245

(n,2n)  
Radionuclide Production Cross Section



95-Am-245

Incident Energy (MeV)

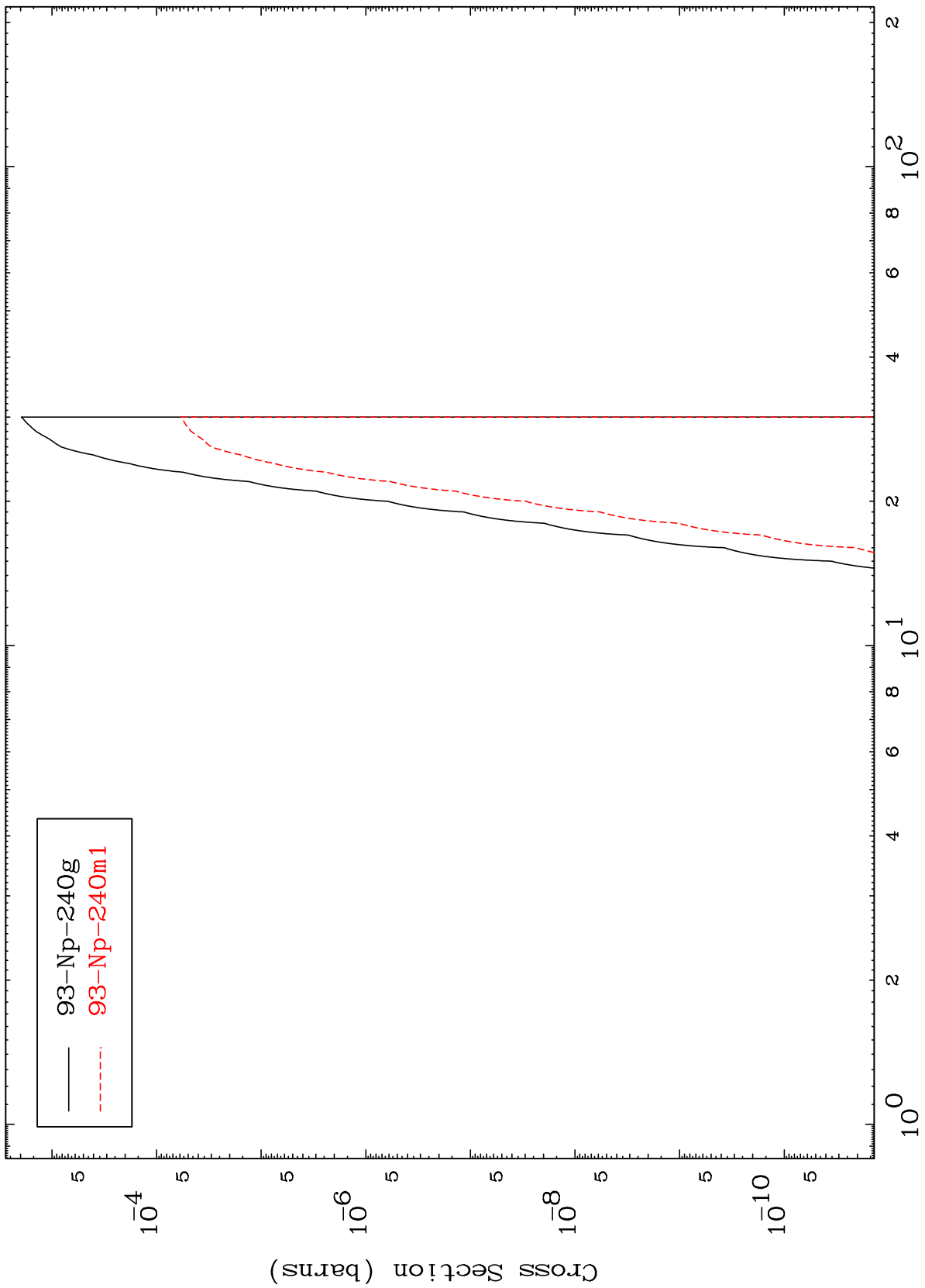
26

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(n,2n)  $\alpha$

95-Am-245

Radionuclide Production Cross Section



93-Np-240g  
93-Np-240m1

27

Incident Energy (MeV)

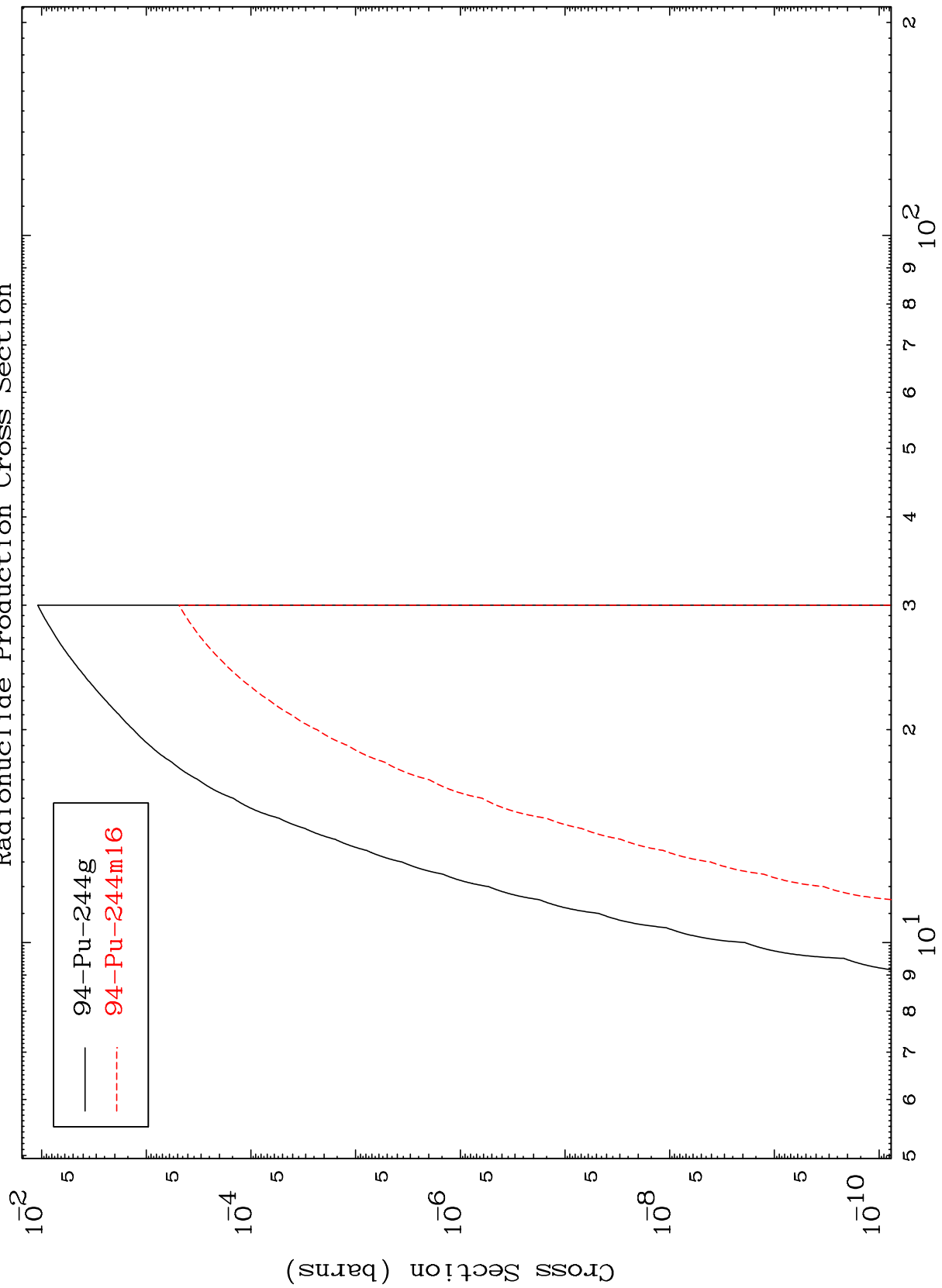
95-Am-245

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(n,n') p

95-Am-245

Radionuclide Production Cross Section



28

Incident Energy (MeV)

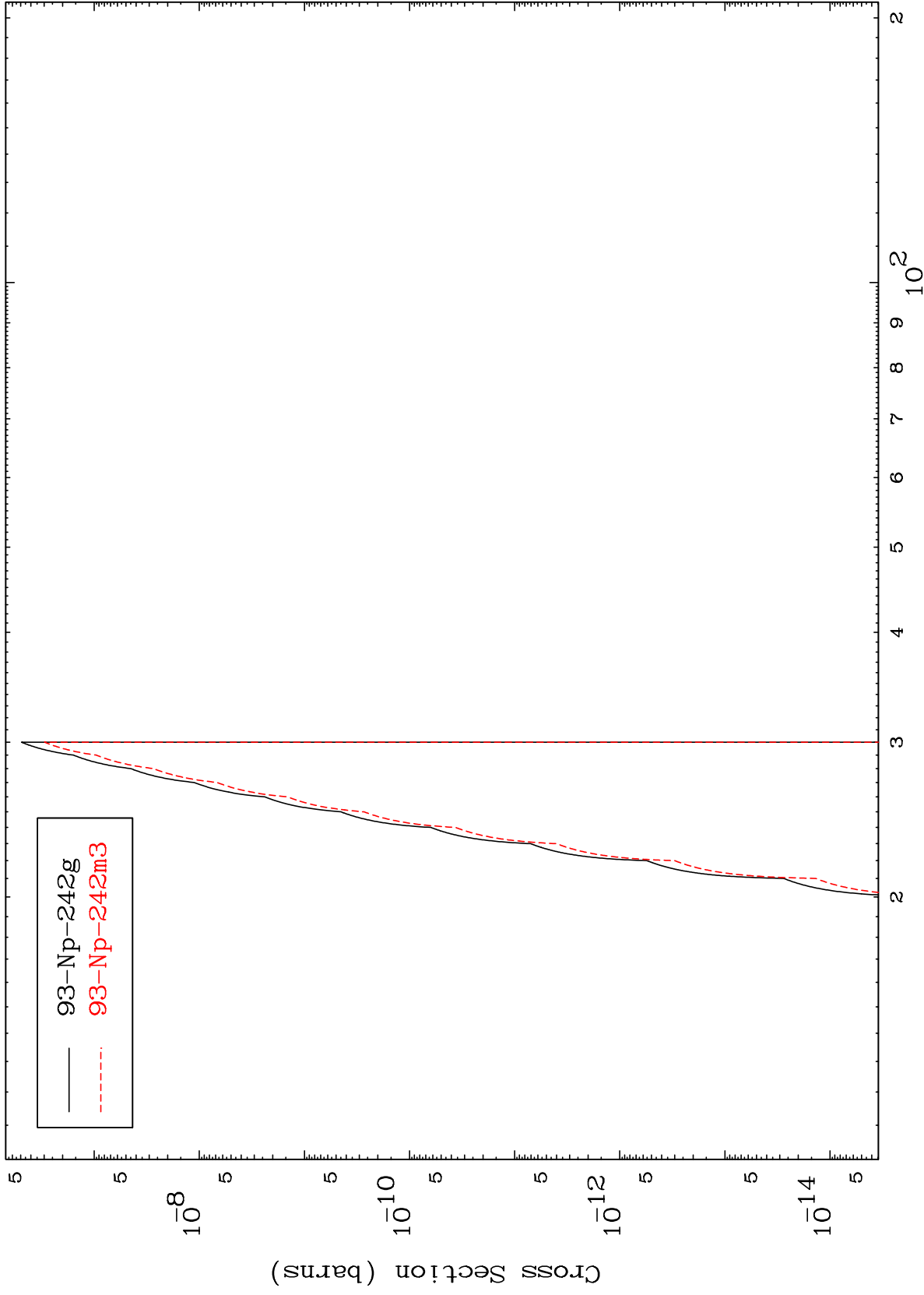
95-Am-245

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(n,n') He-3

95-Am-245

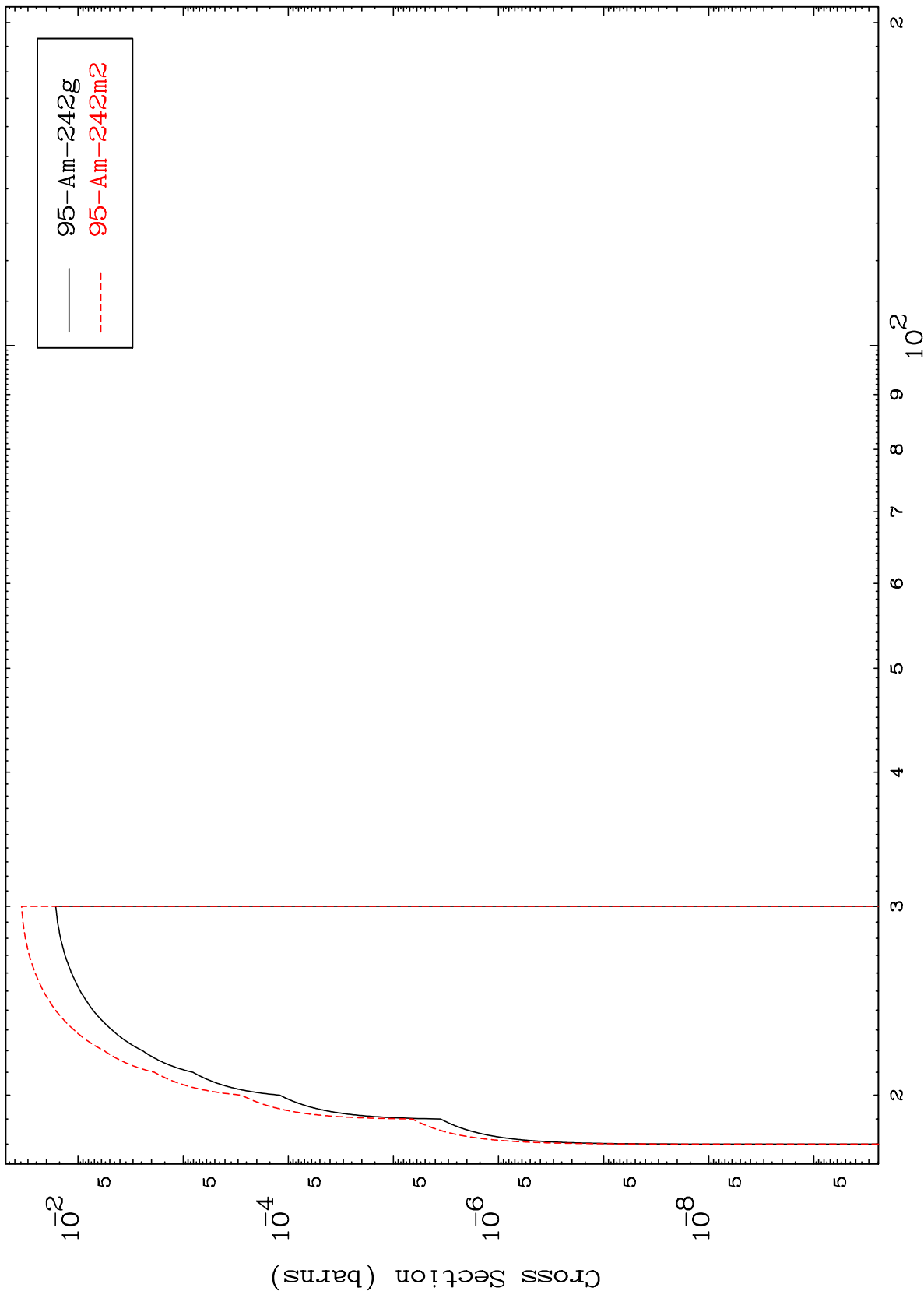
Radionuclide Production Cross Section



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95-Am-245

(n,4n)  
Radionuclide Production Cross Section



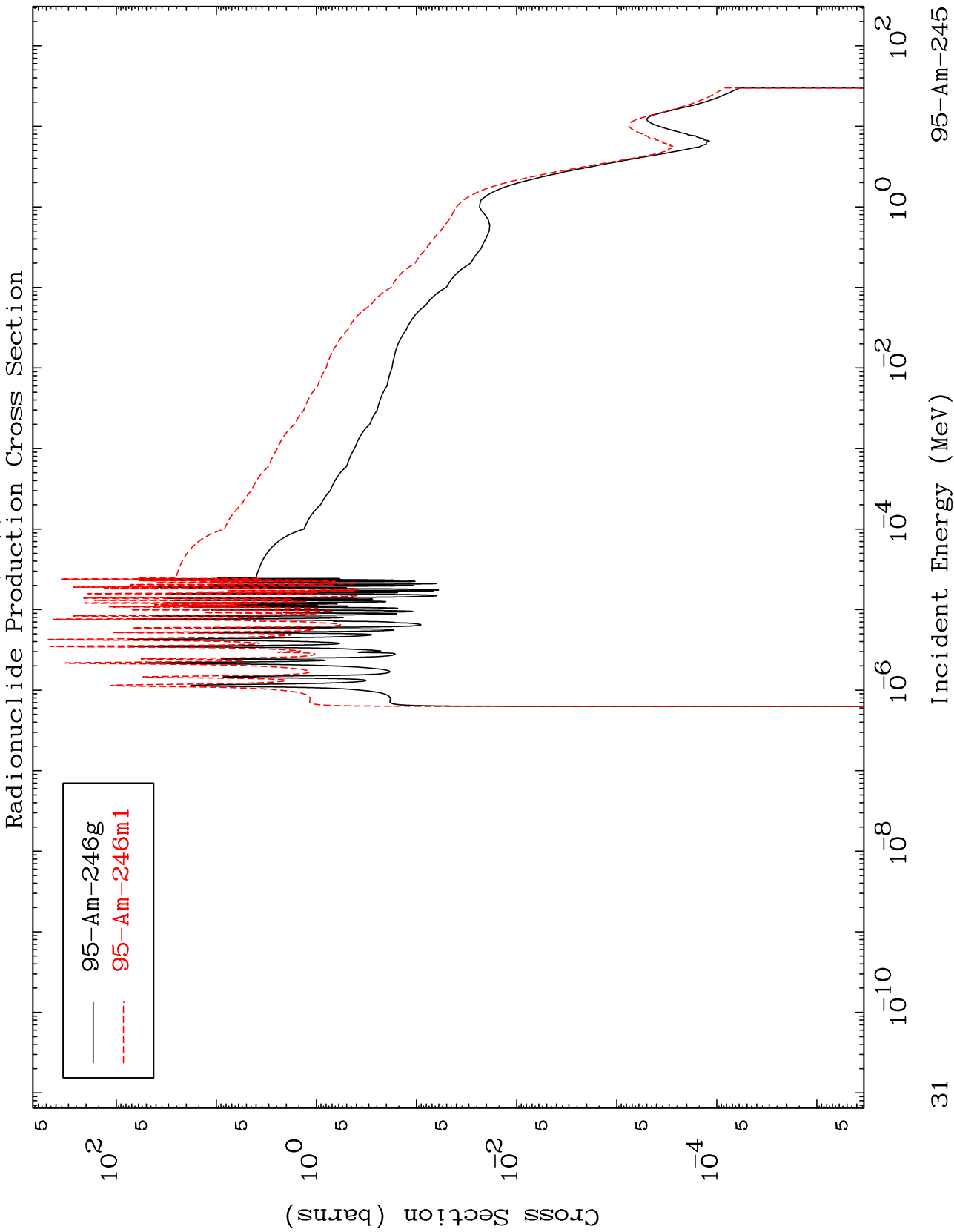
95-Am-245

Incident Energy (MeV)

30

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95-Am-245

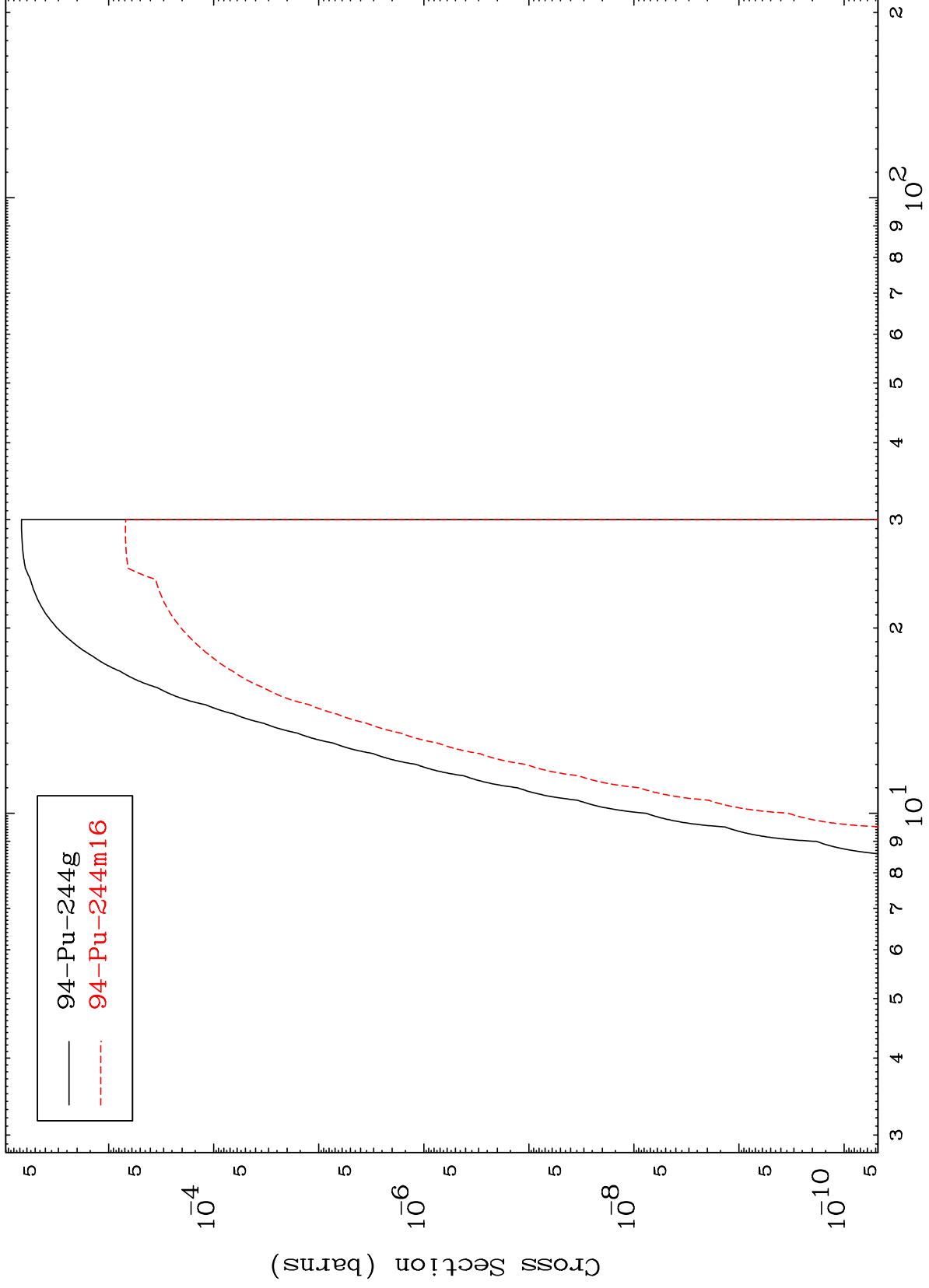


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(n,d)

95-Am-245

Radionuclide Production Cross Section



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

Incident Energy (MeV)

95-Am-245

32

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(n,  $\alpha$ )

<sup>95</sup>Am-245

Radionuclide Production Cross Section

