

Program EVALPLOT
(Version 2021-1)

by

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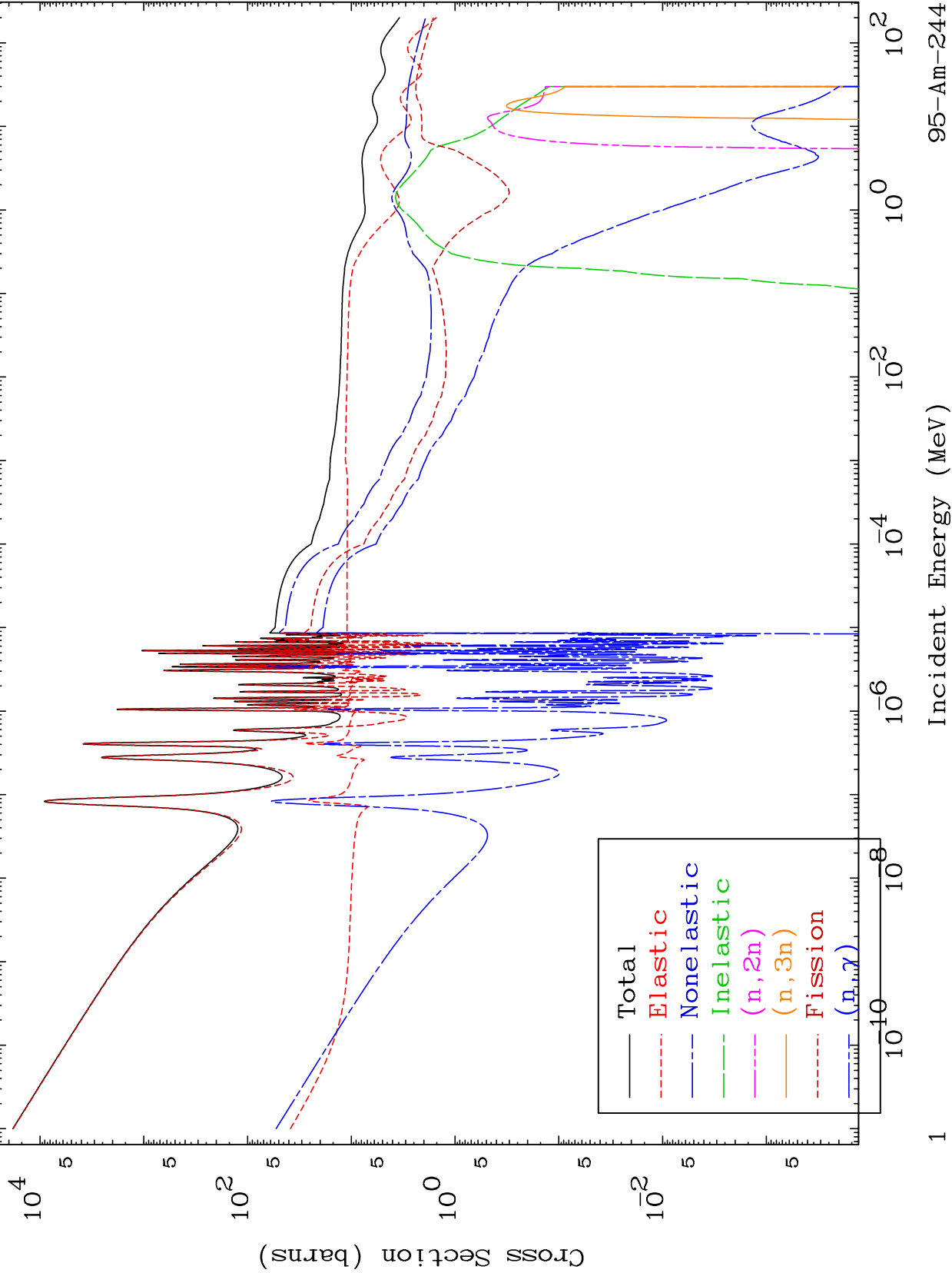
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9552

Neutron Major
293 Kelvin Cross Sections

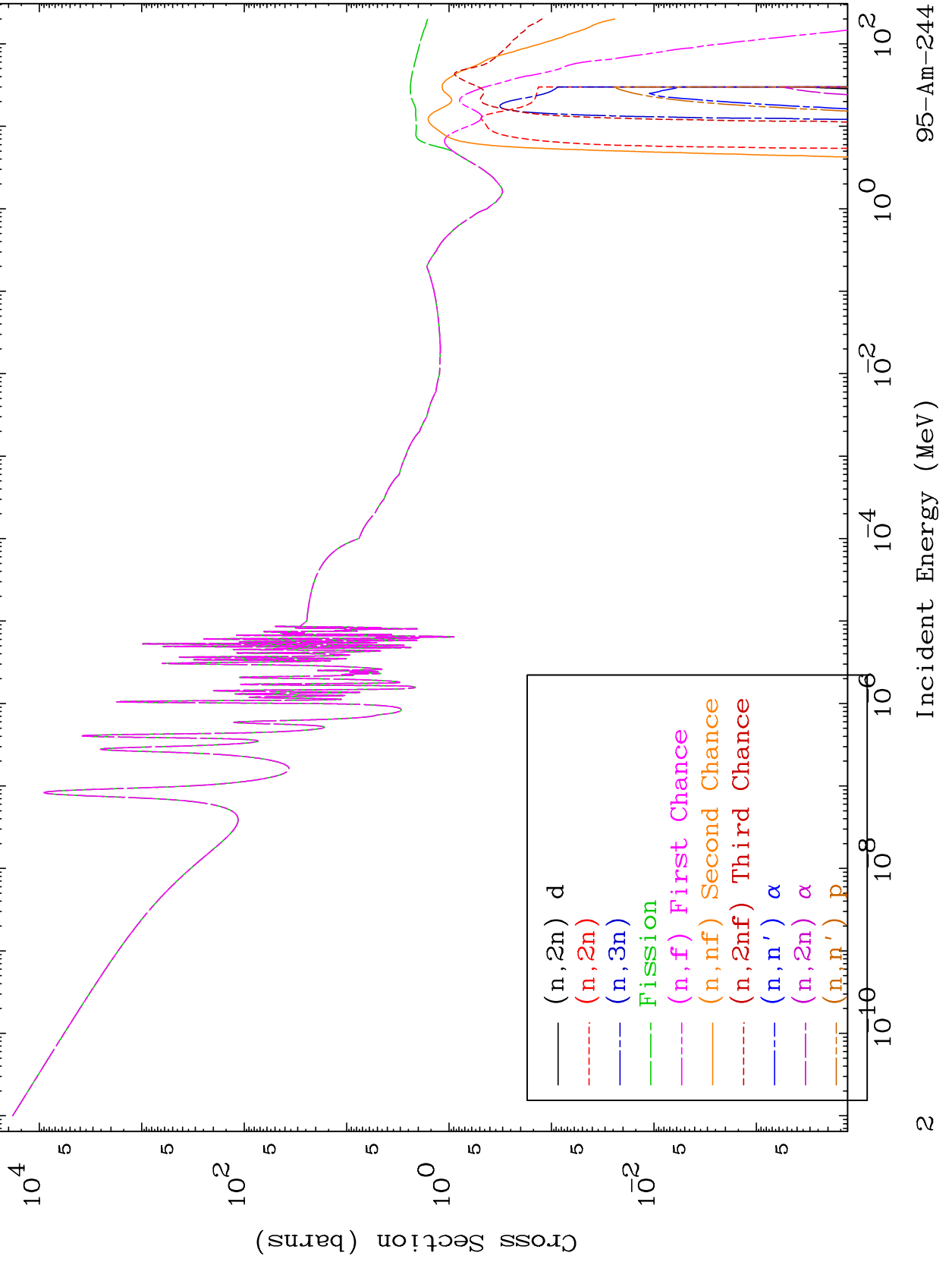
95-Am-244



MAT 9552

Neutron Absorption
293 Kelvin Cross Sections

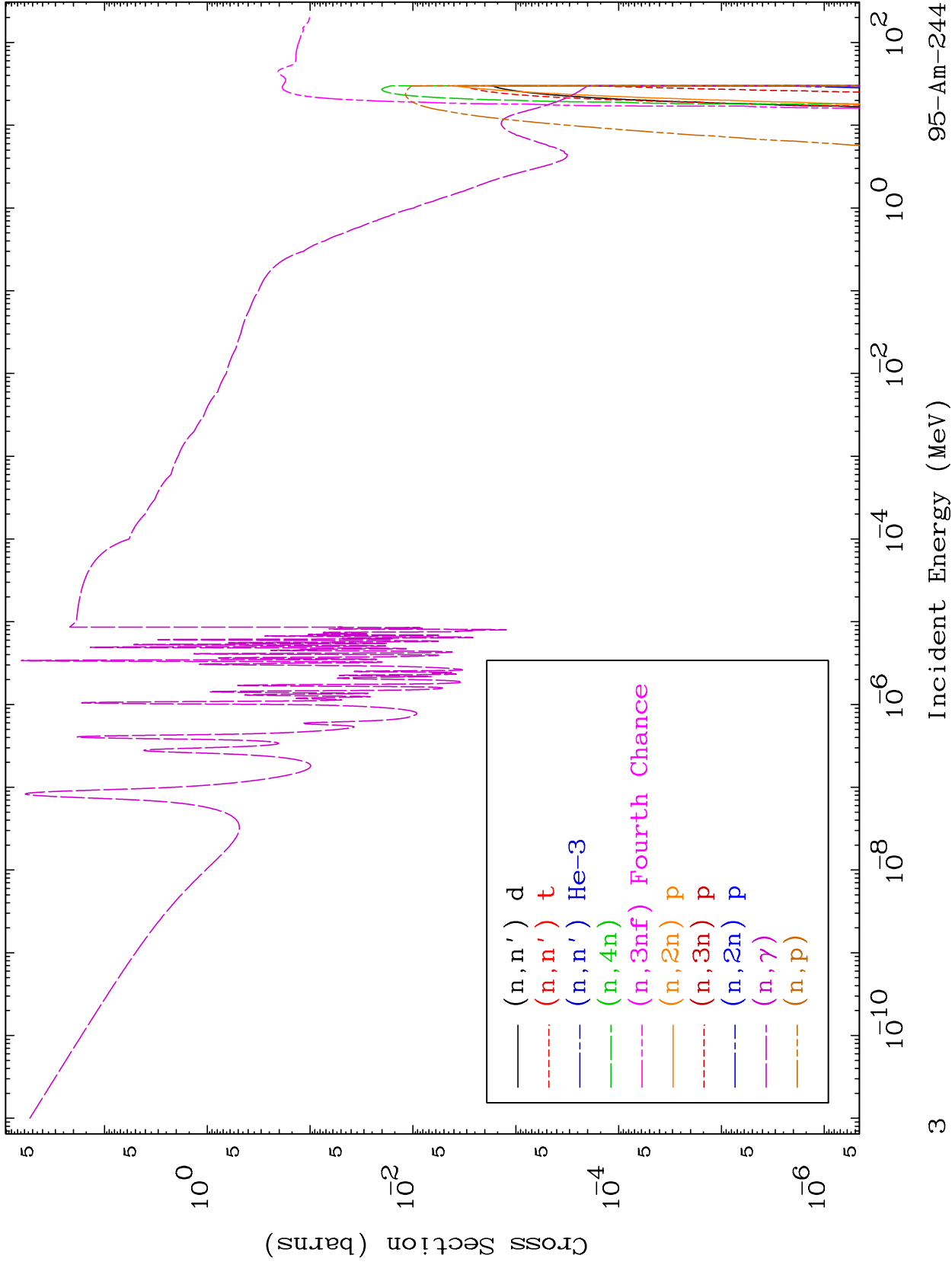
95-Am-244



MAT 9552

Neutron Absorption
293 Kelvin Cross Sections

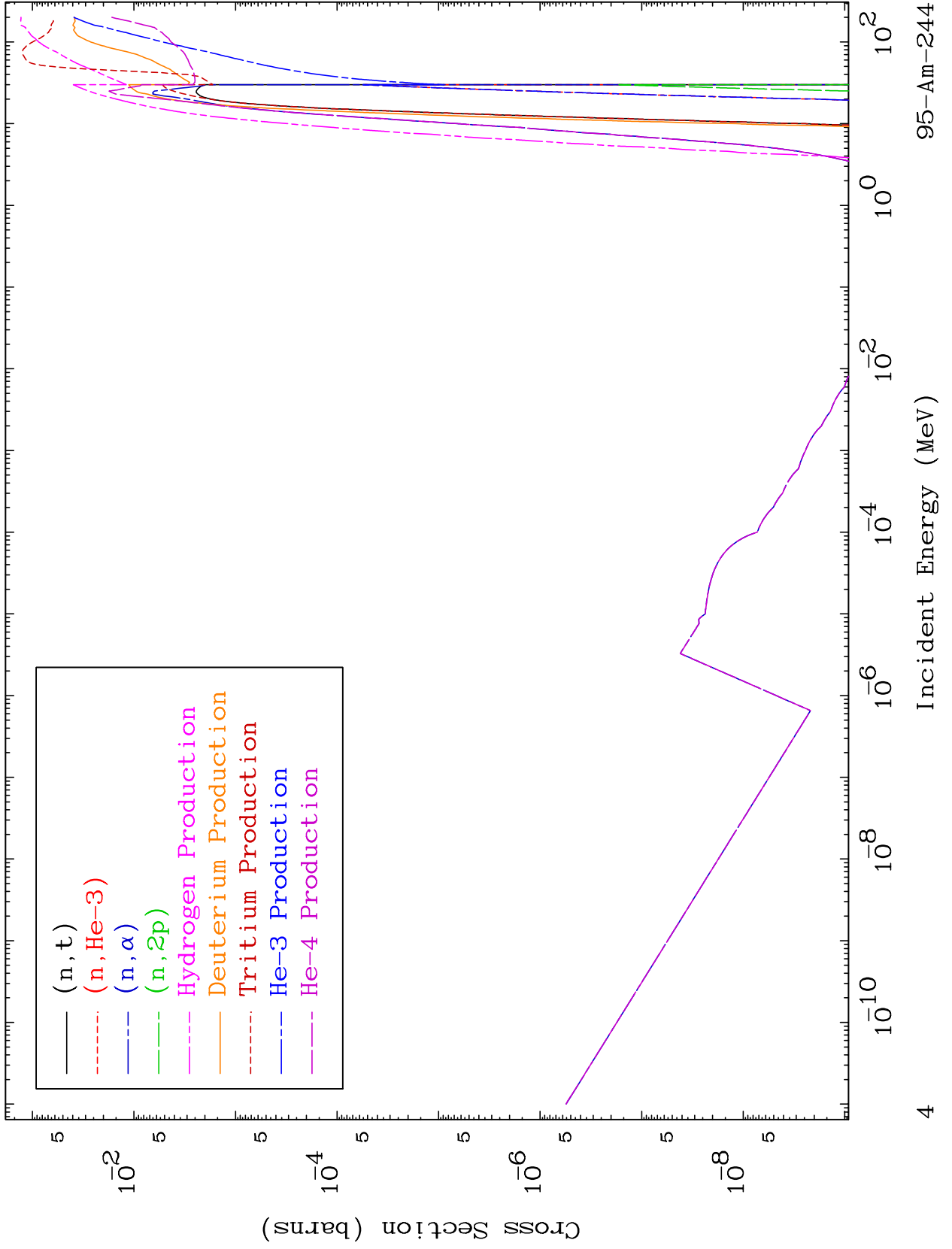
95-Am-244



MAT 9552

Neutron Absorption
293 Kelvin Cross Sections

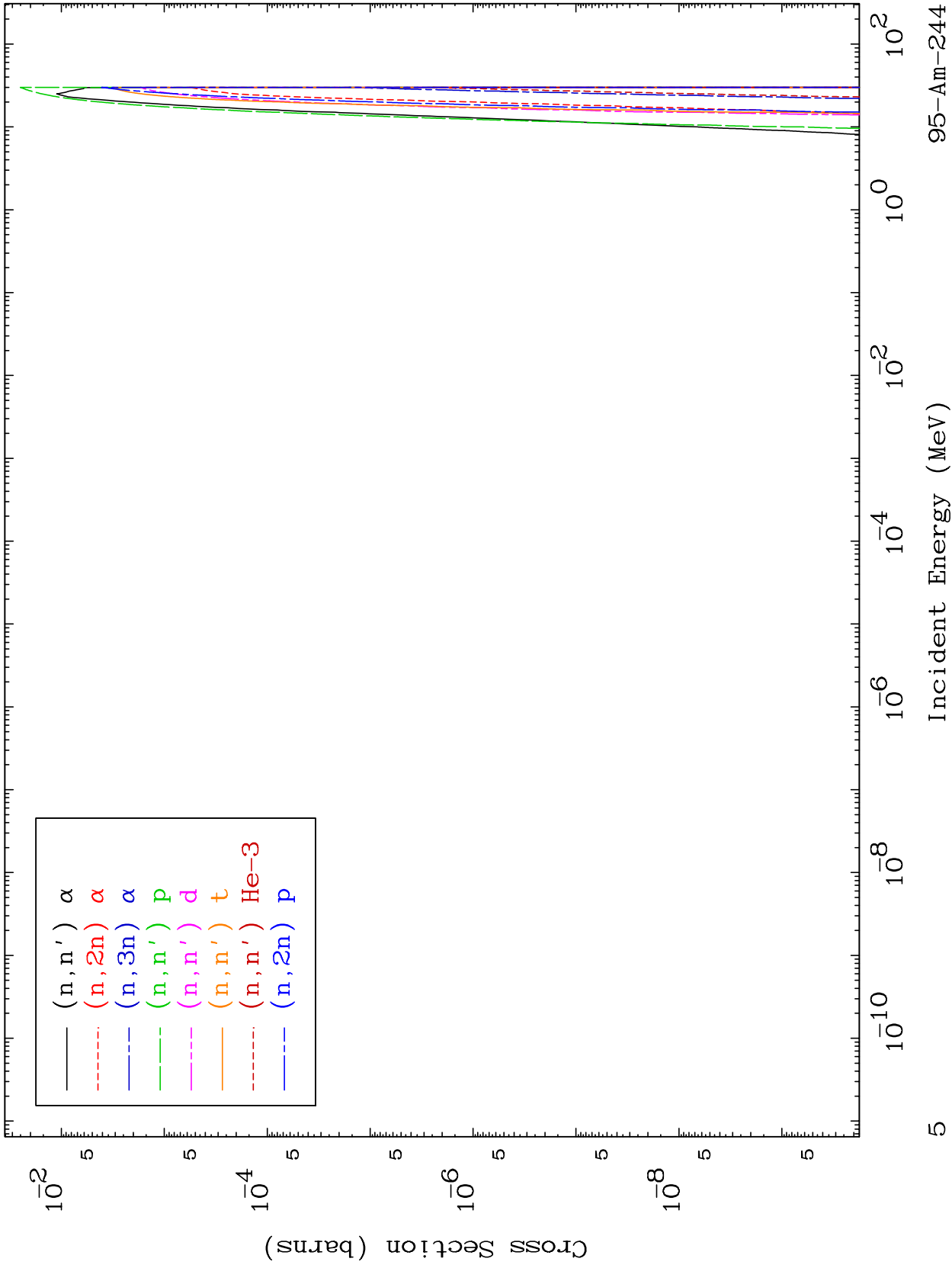
95-Am-244



MAT 9552

Charged Particle
293 Kelvin Cross Sections

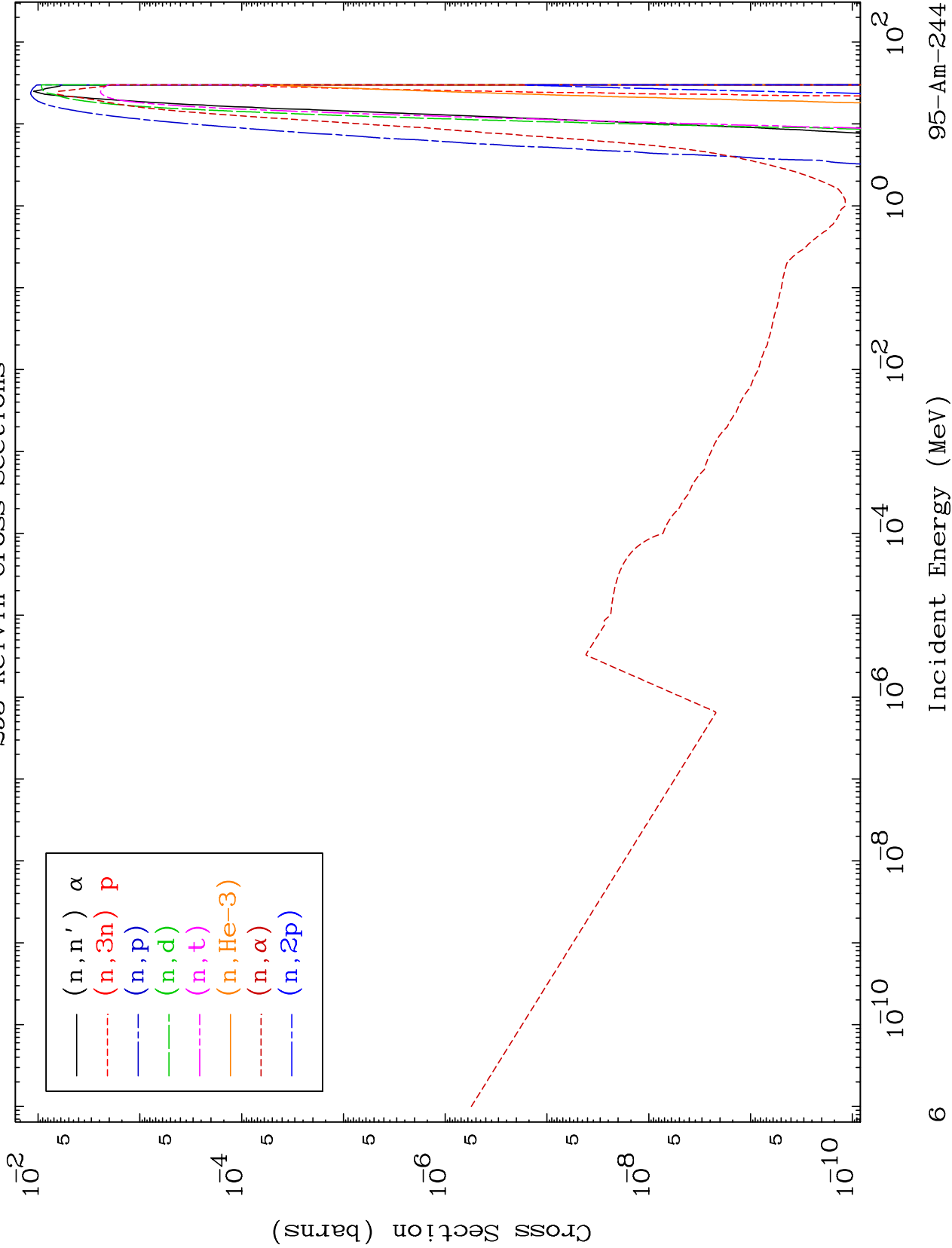
95-Am-244



MAT 9552

Charged Particle
293 Kelvin Cross Sections

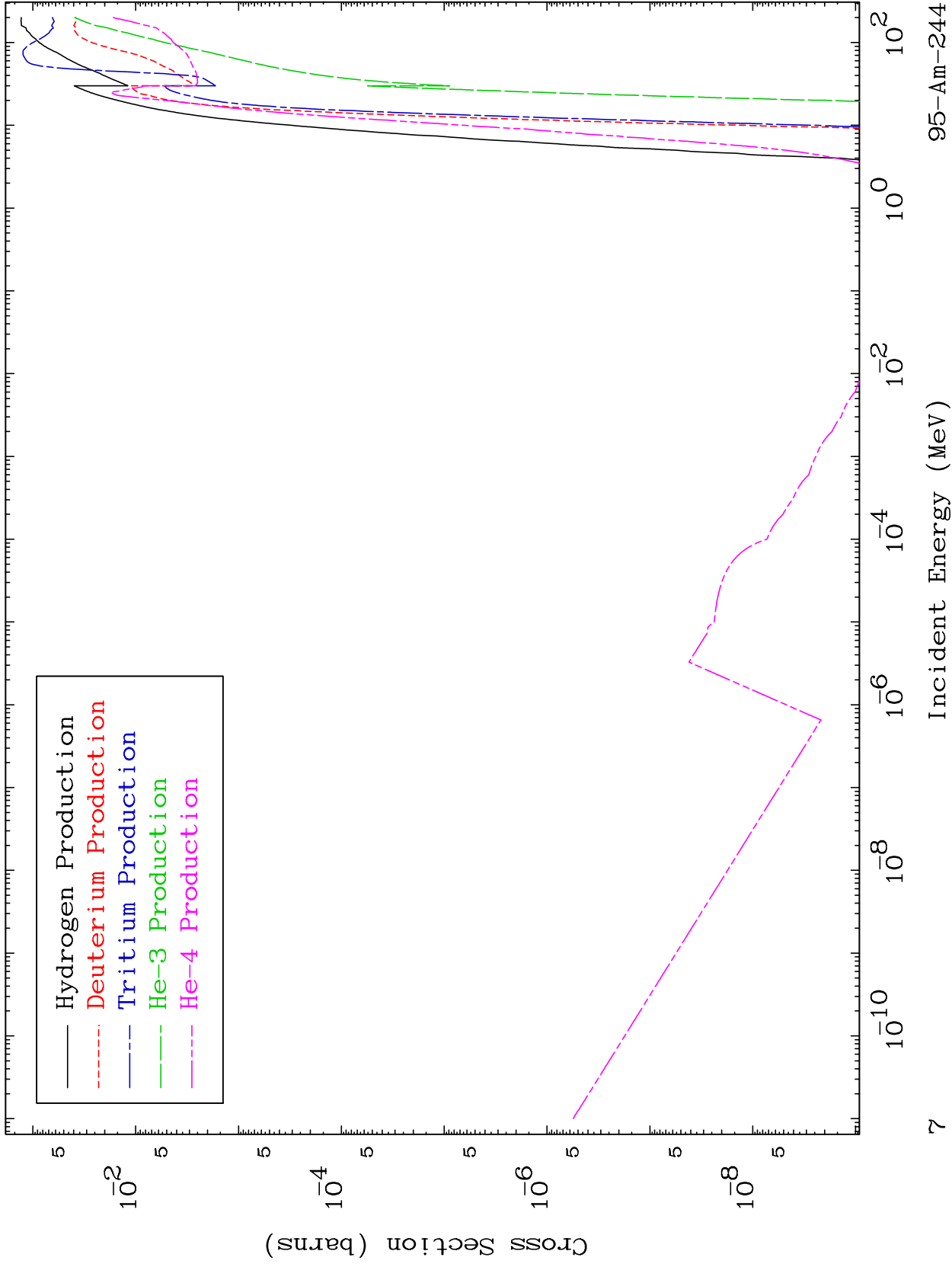
95-Am-244



MAT 9552

Particle Production
293 Kelvin Cross Sections

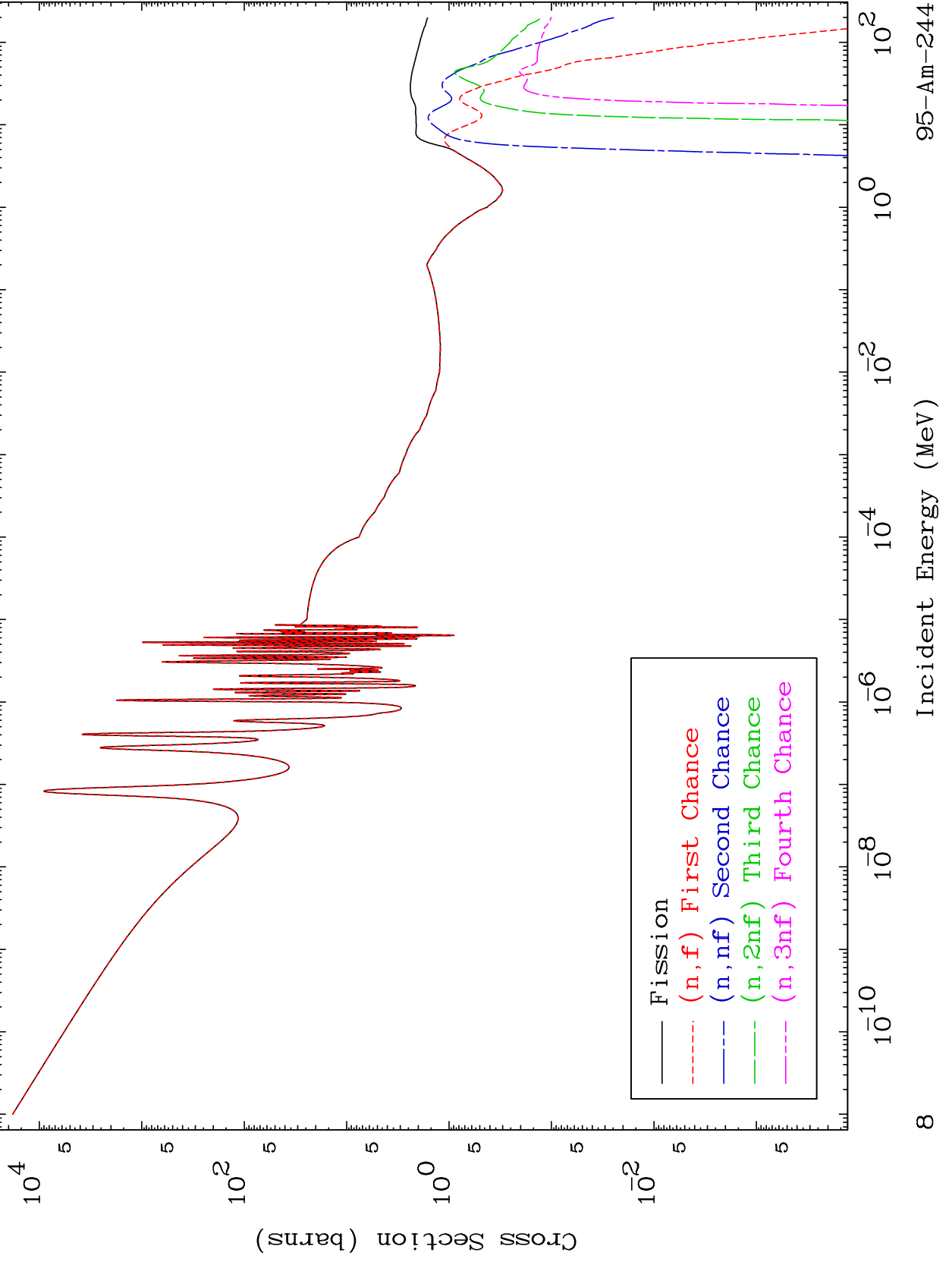
95-Am-244



MAT 9552

Fission
293 Kelvin Cross Sections

95-Am-244

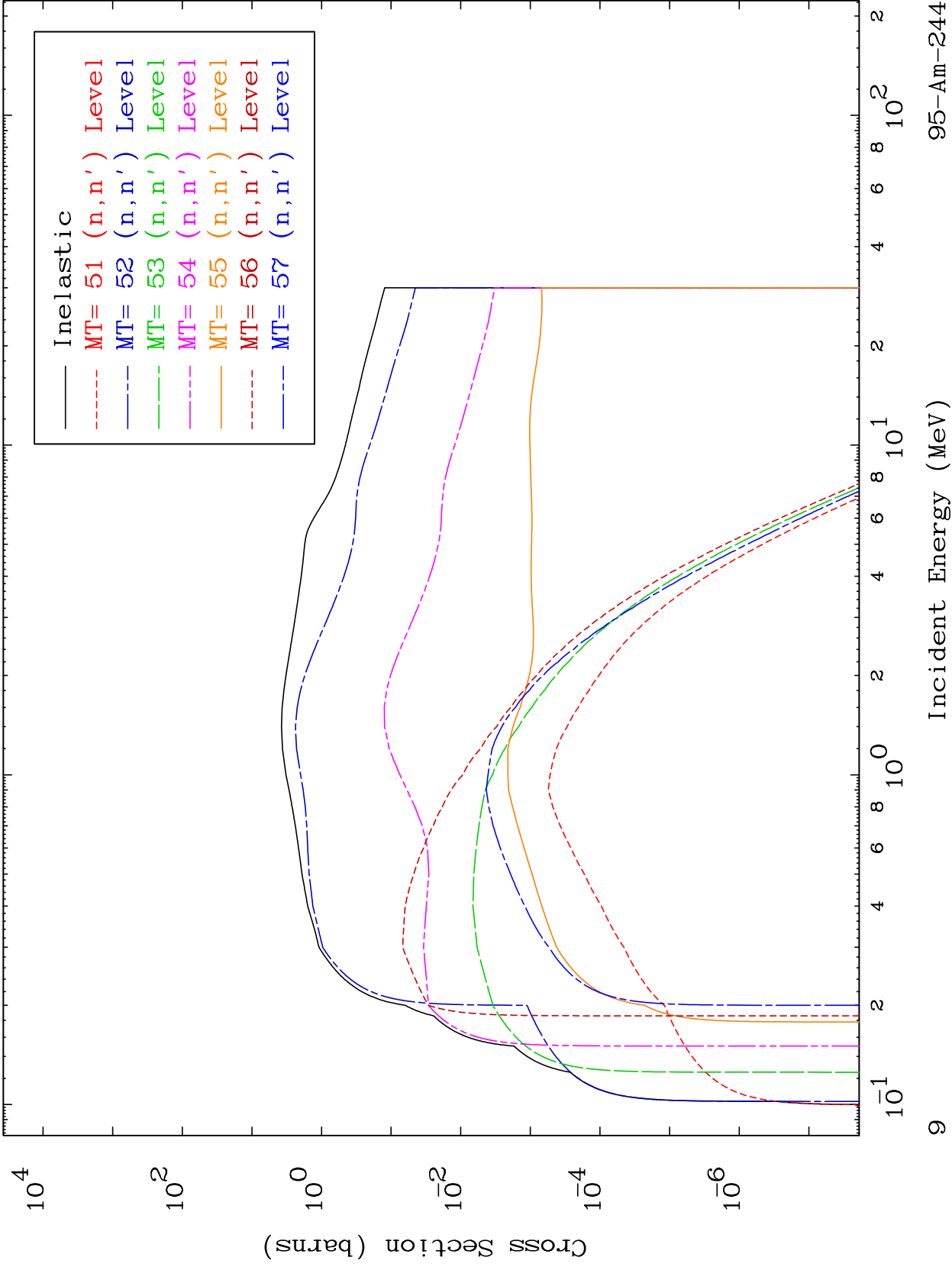


MAT 9552

(n,n') Levels

95-Am-244

293 Kelvin Cross Sections



9

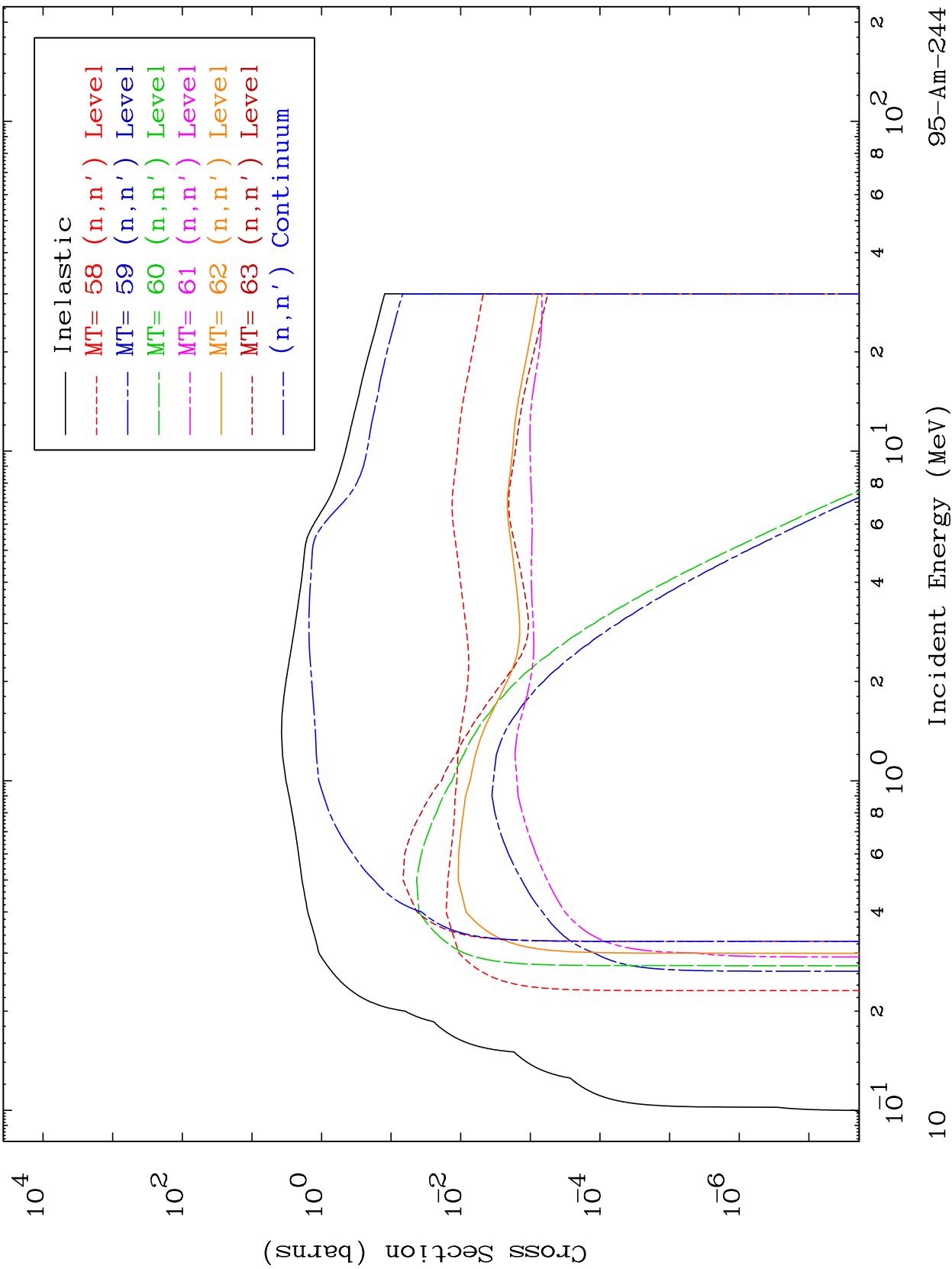
Incident Energy (MeV)

95-Am-244

MAT 9552

(n,n') Levels
293 Kelvin Cross Sections

95-Am-244



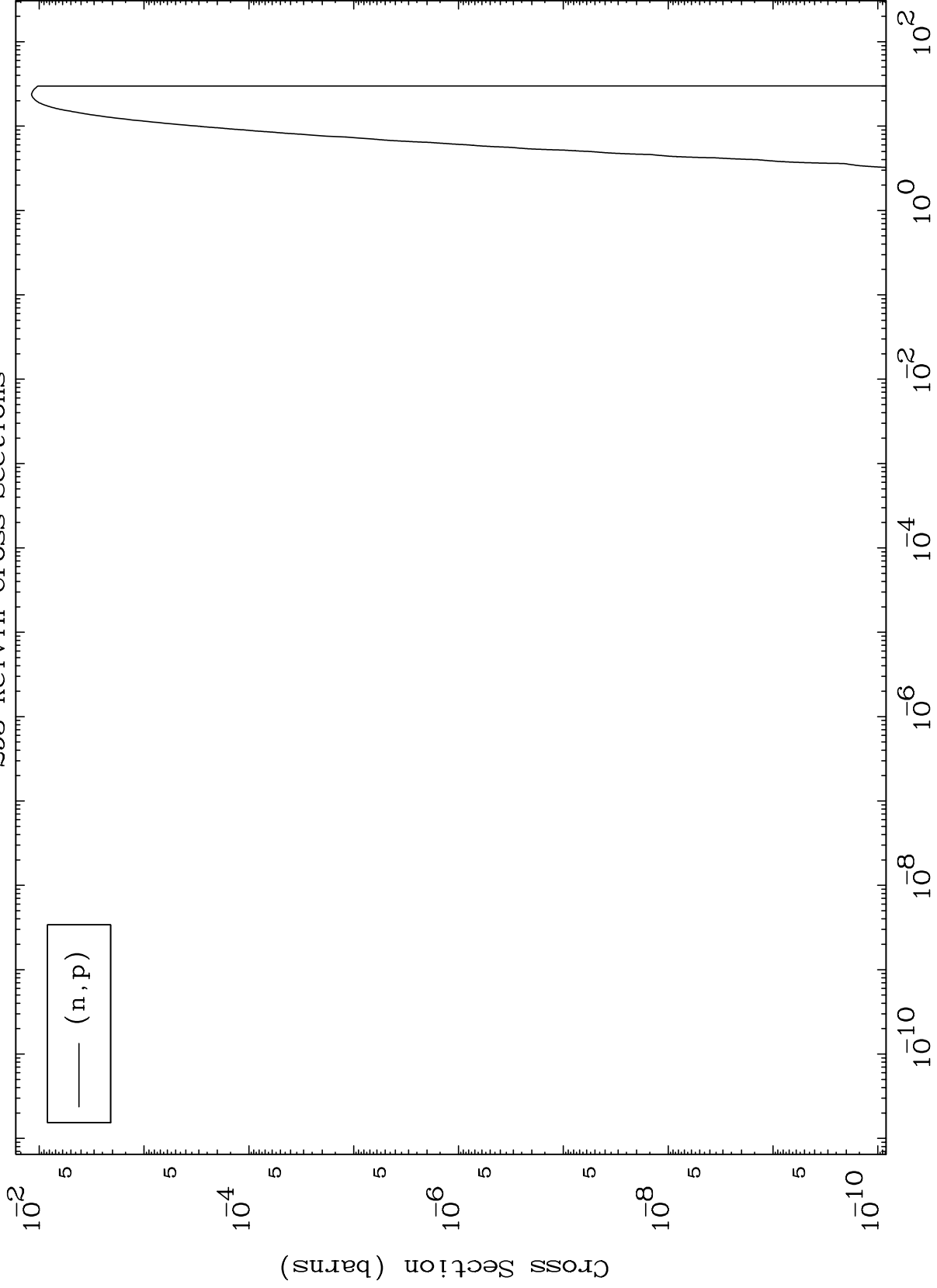
95-Am-244

Incident Energy (MeV)

MAT 9552

(n,p) Levels
293 Kelvin Cross Sections

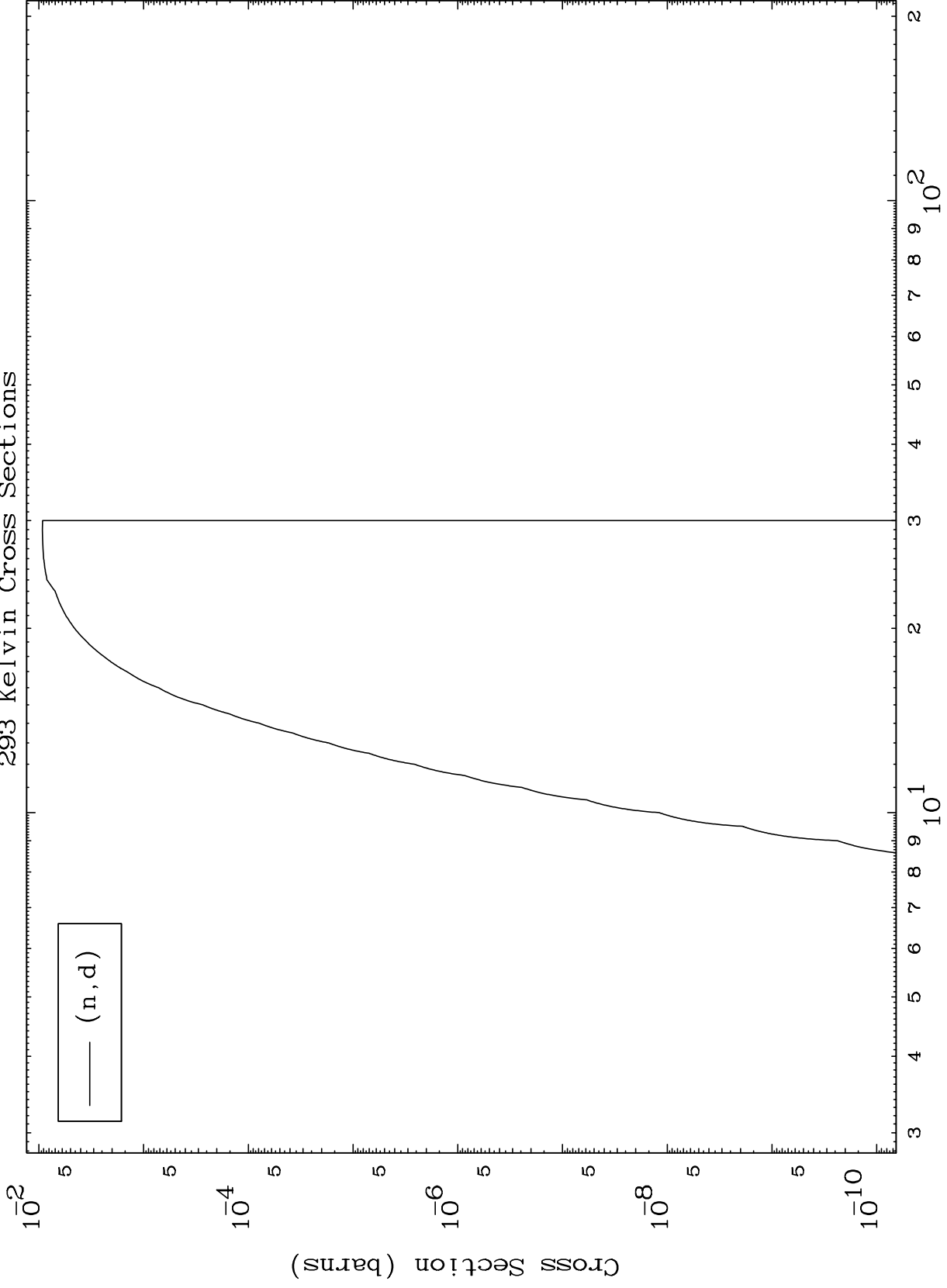
95-Am-244



MAT 9552

(n,d) Levels
293 Kelvin Cross Sections

95-Am-244



12

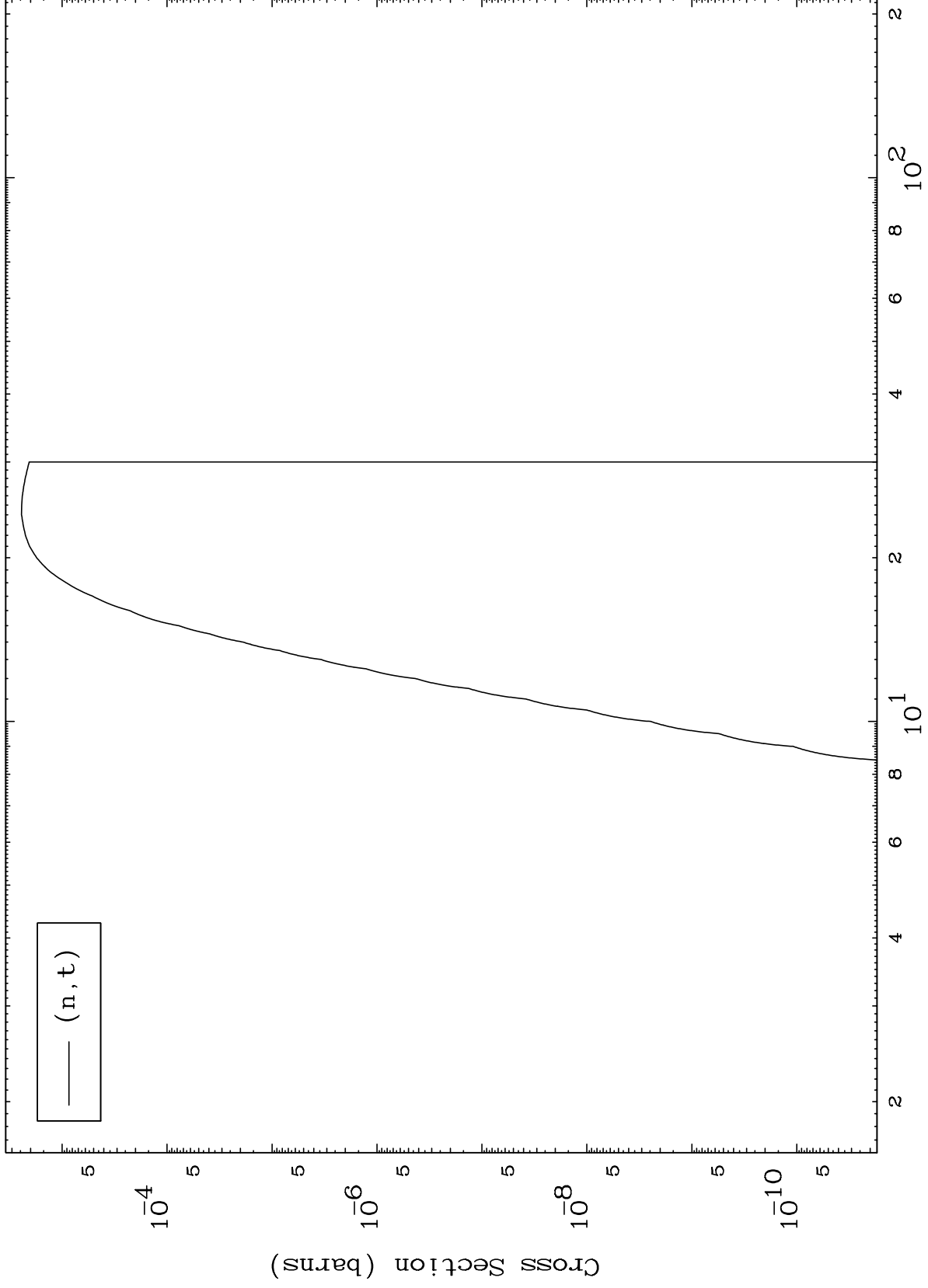
Incident Energy (MeV)

95-Am-244

MAT 9552

(n,t) Levels
293 Kelvin Cross Sections

95-Am-244



13

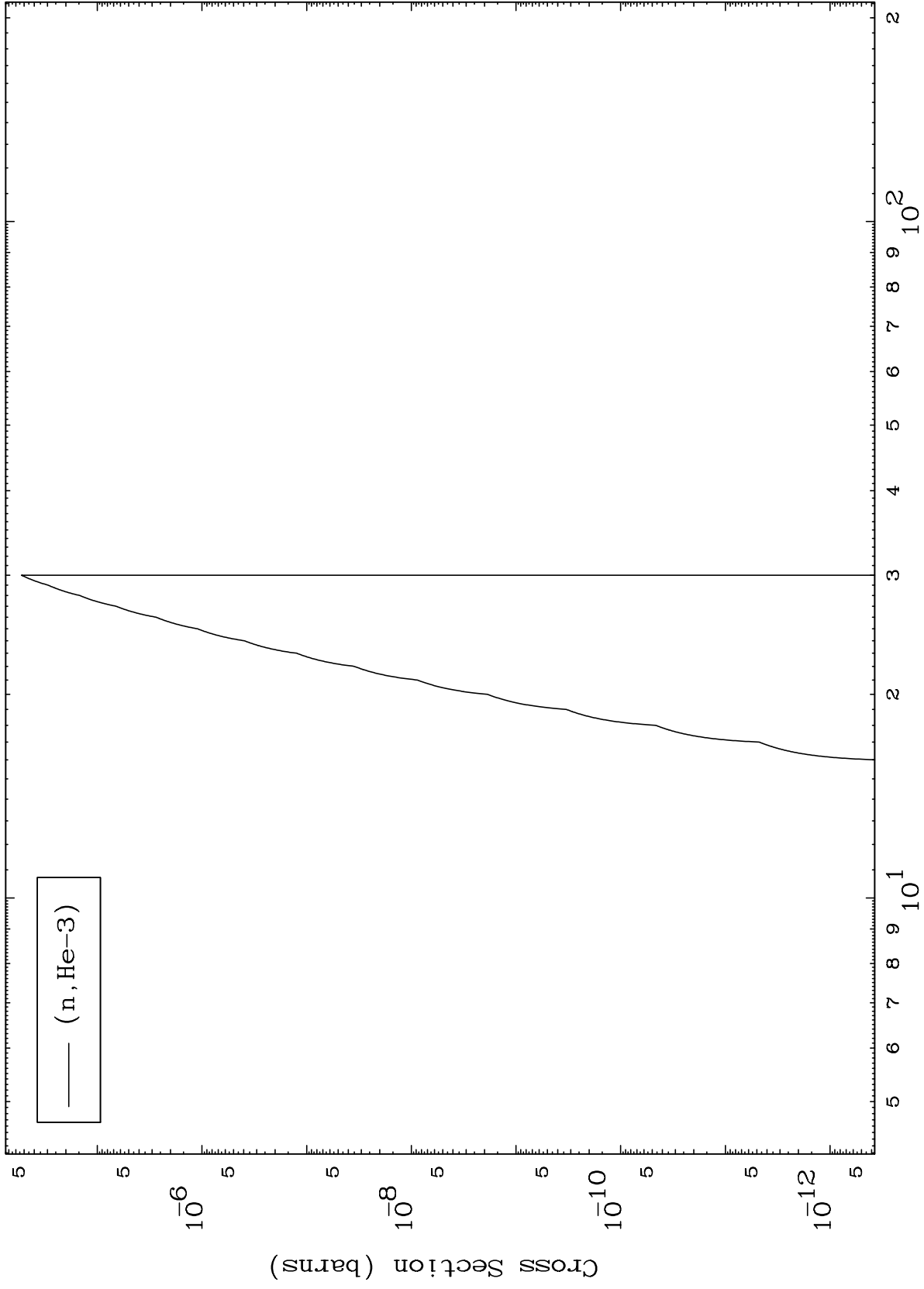
Incident Energy (MeV)

95-Am-244

MAT 9552

(n,He3) Levels
293 Kelvin Cross Sections

95-Am-244



14

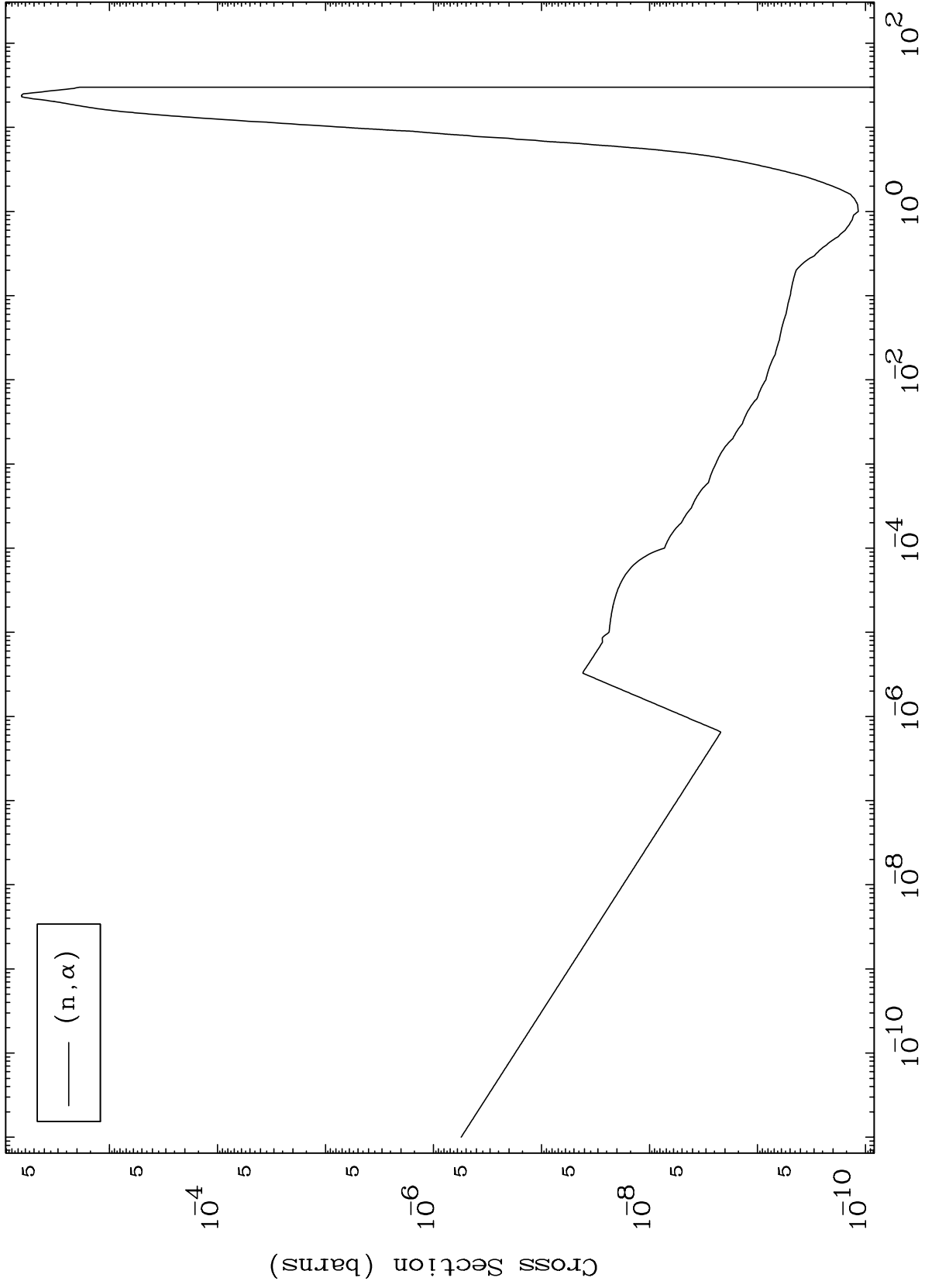
Incident Energy (MeV)

95-Am-244

MAT 9552

(n, α) Levels
293 Kelvin Cross Sections

95-Am-244



(n, α)

95-Am-244

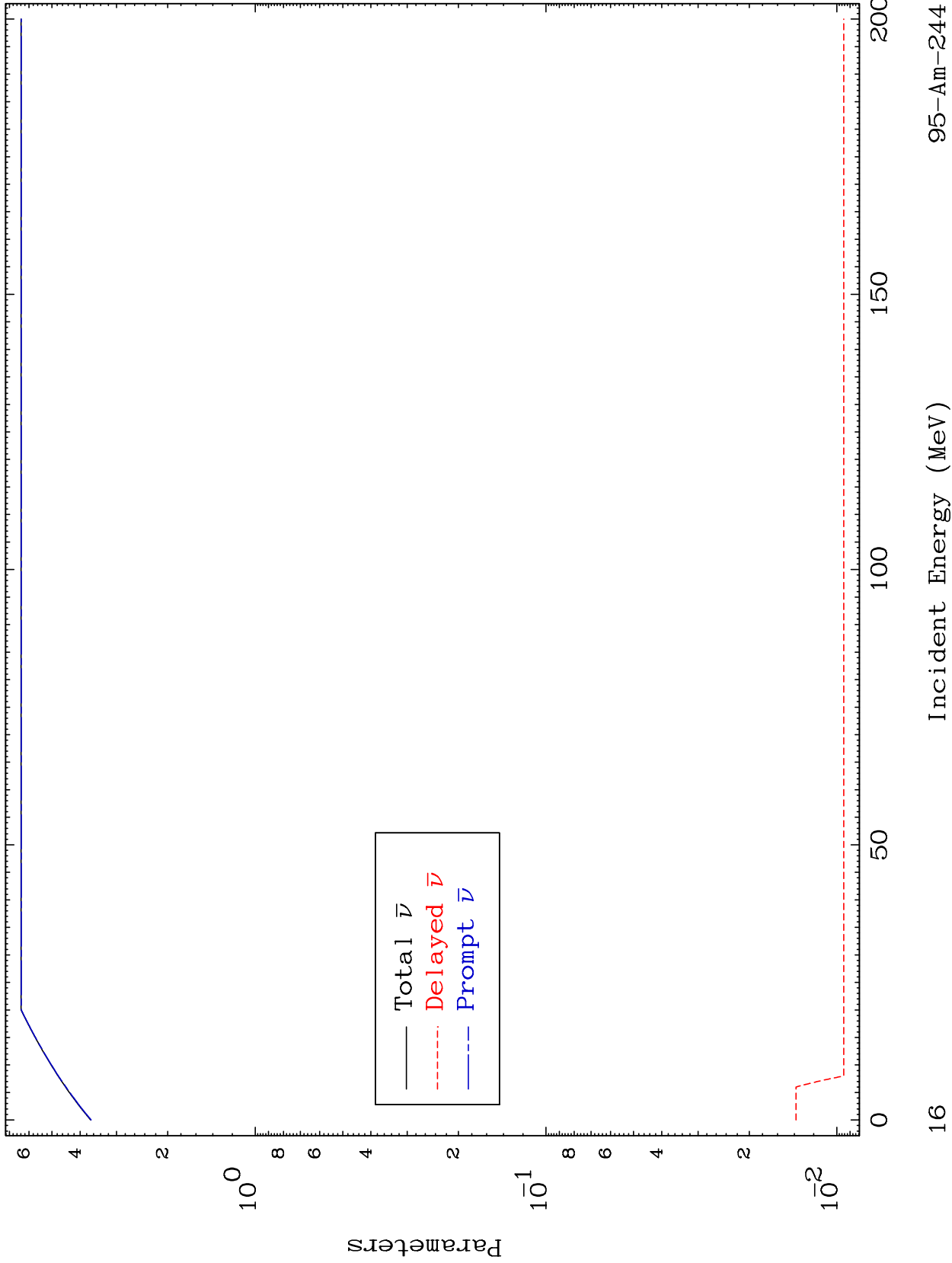
Incident Energy (MeV)

15

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Energy Release
Parameters

95-Am-244



16

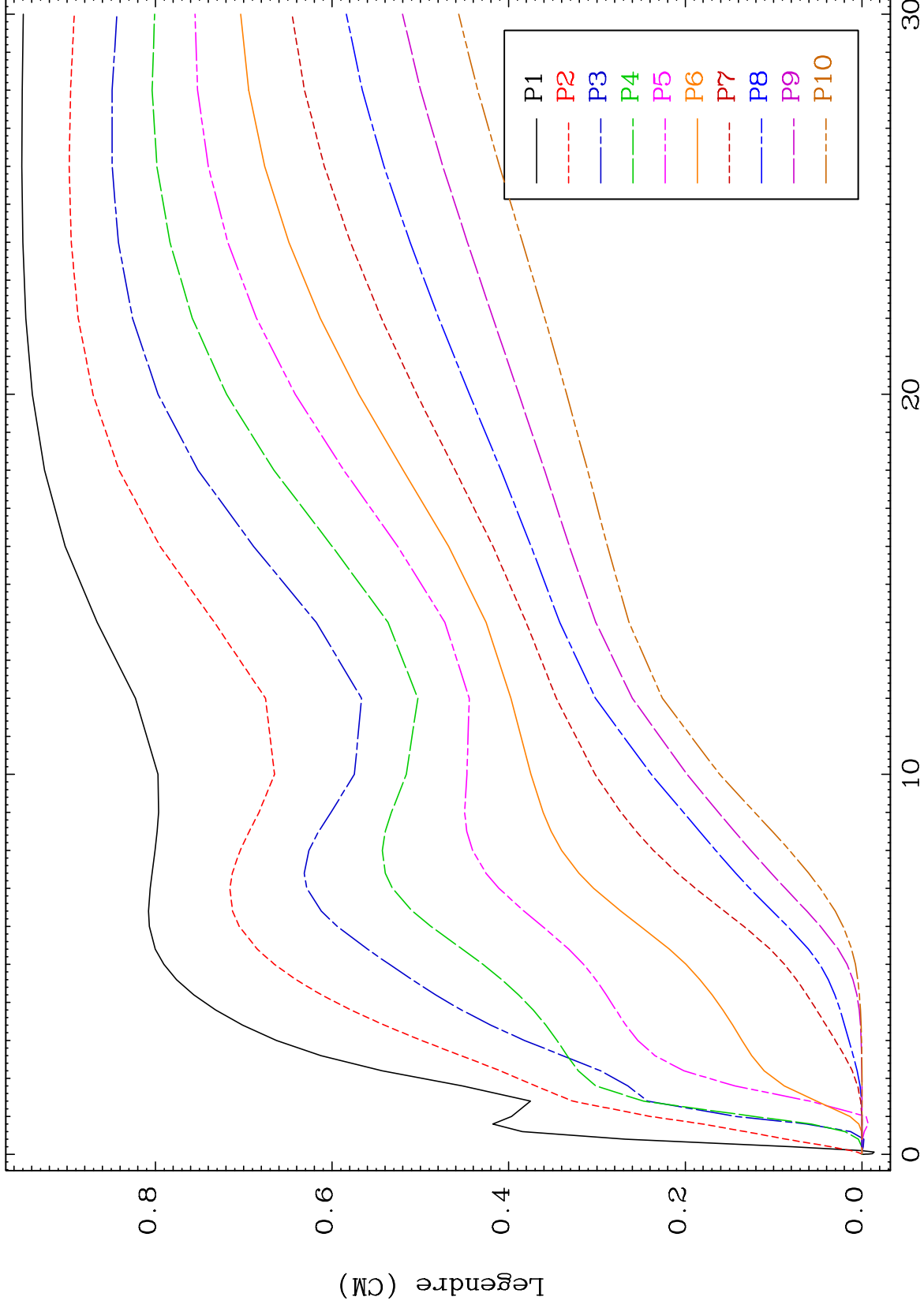
Incident Energy (MeV)

95-Am-244

MAT 9552

95-Am-244

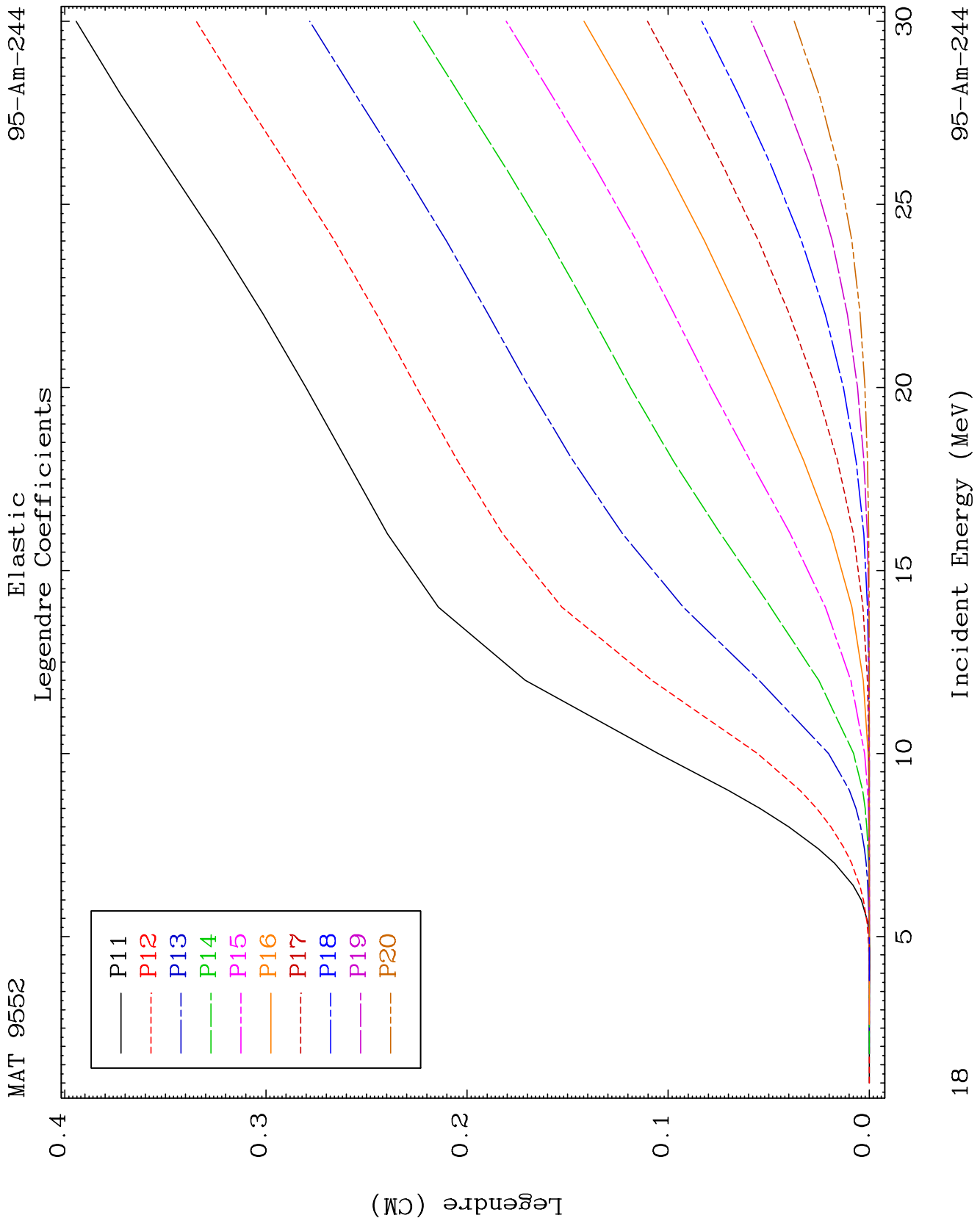
Elastic Legendre Coefficients



95-Am-244

Incident Energy (MeV)

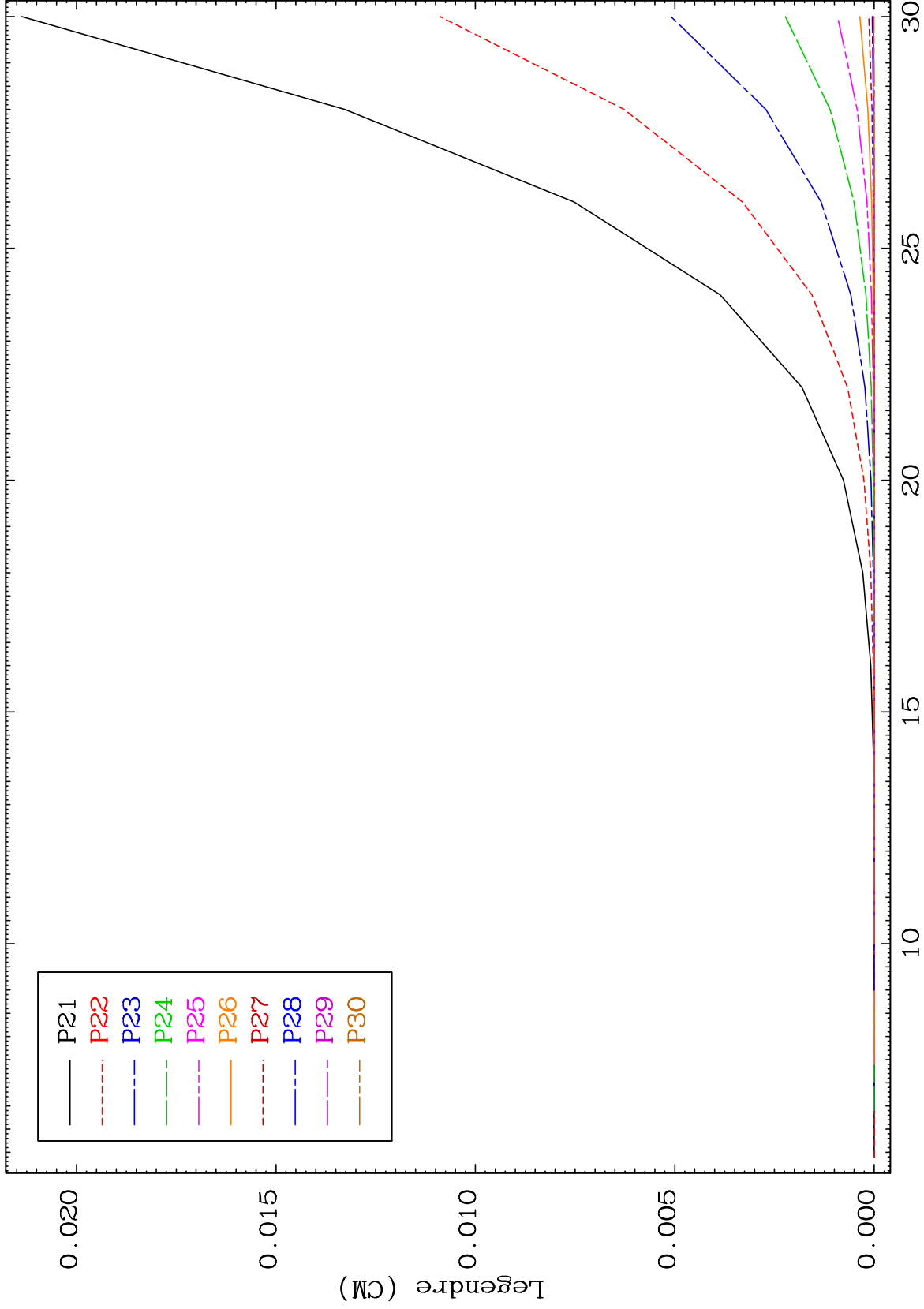
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Elastic Legendre Coefficients

95-Am-244



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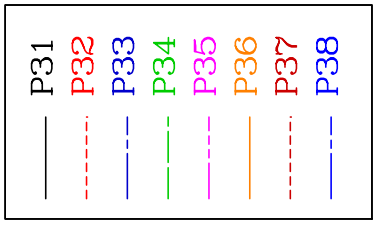
Incident Energy (MeV)

95-Am-244

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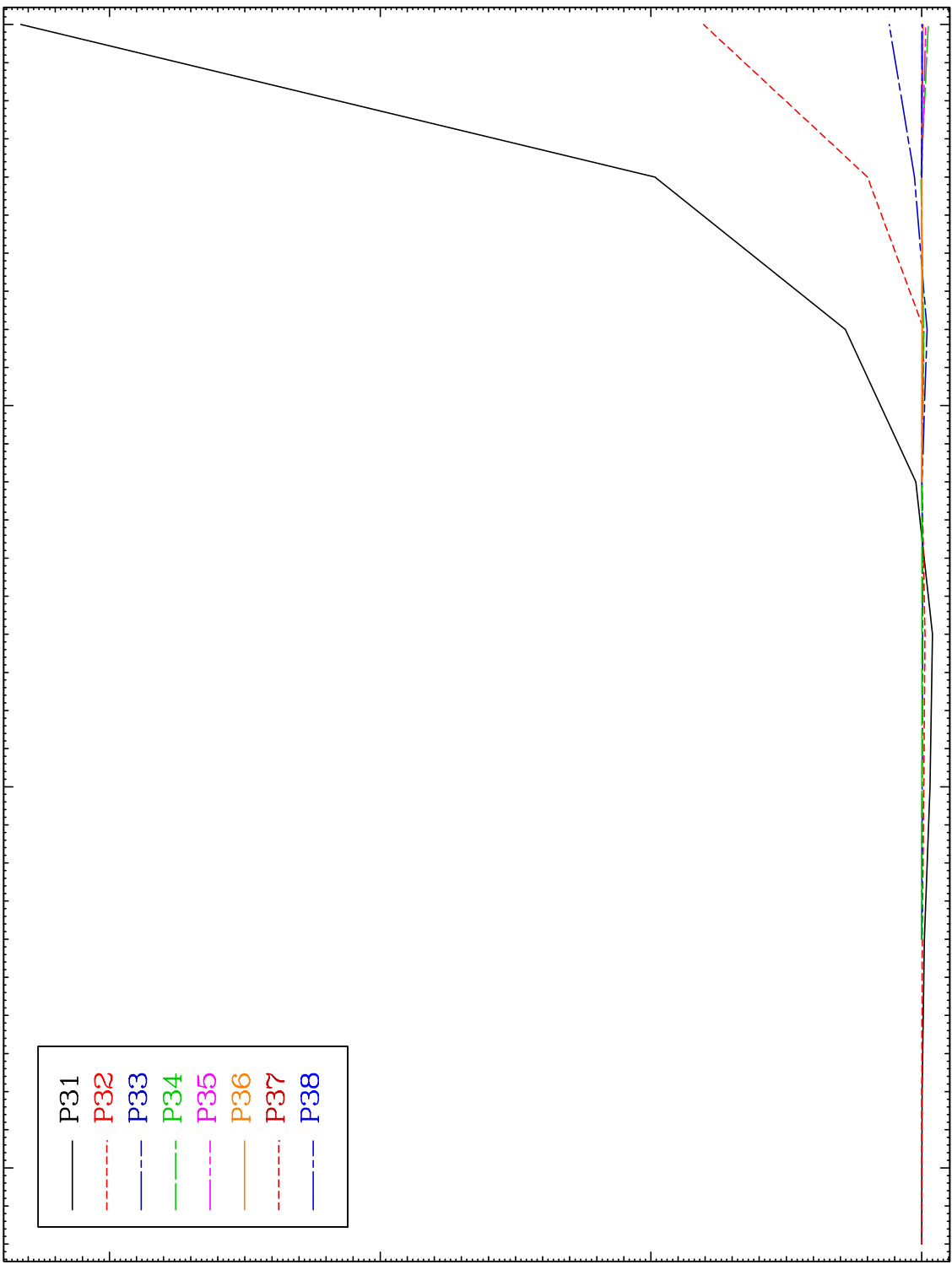
Elastic Legendre Coefficients

95-Am-244



$\times 10^{-6}$

Legendre (CM)



30

25

20

15

20

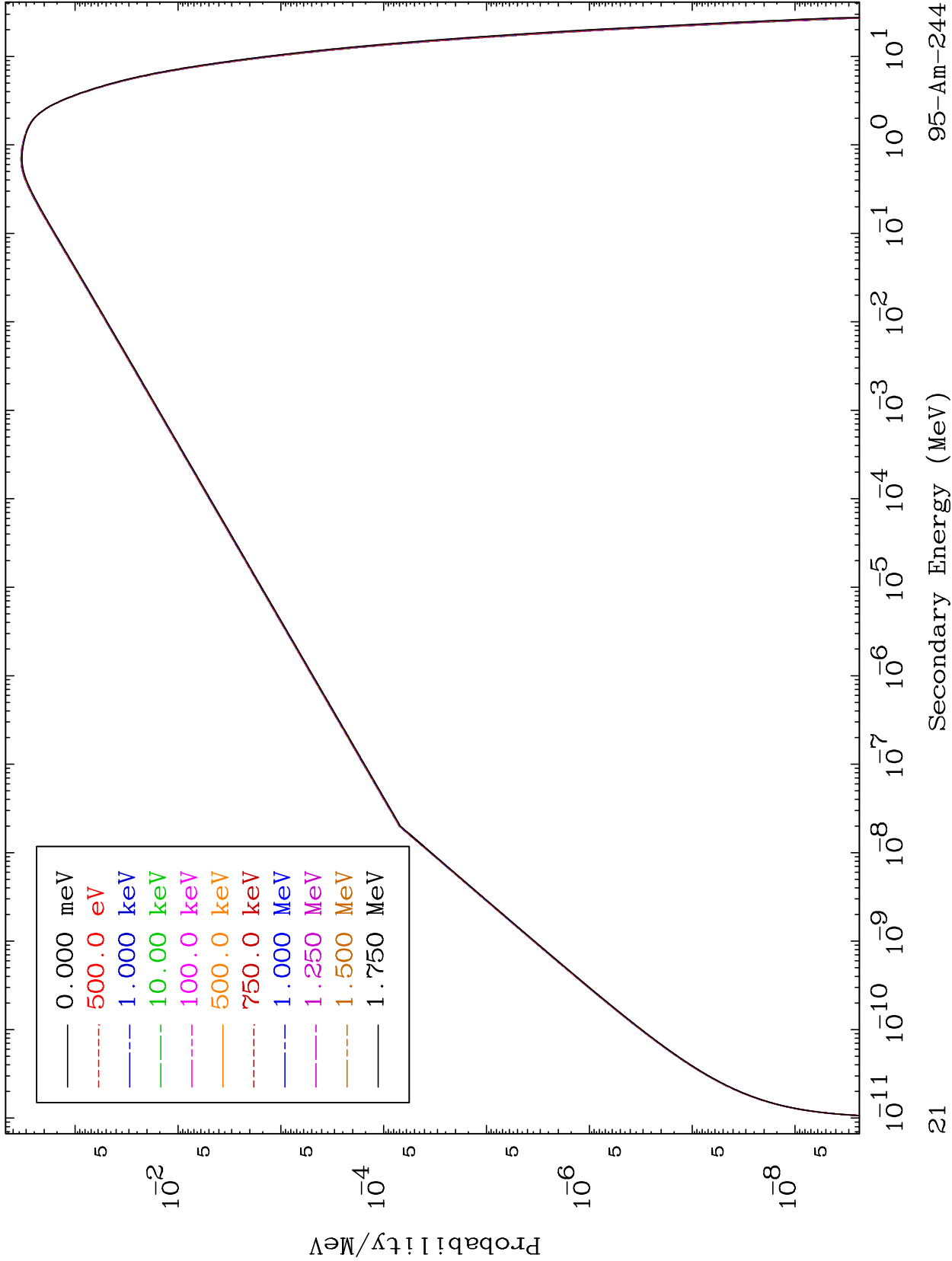
Incident Energy (MeV)

95-Am-244

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Fission Energy Distributions

95-Am-244



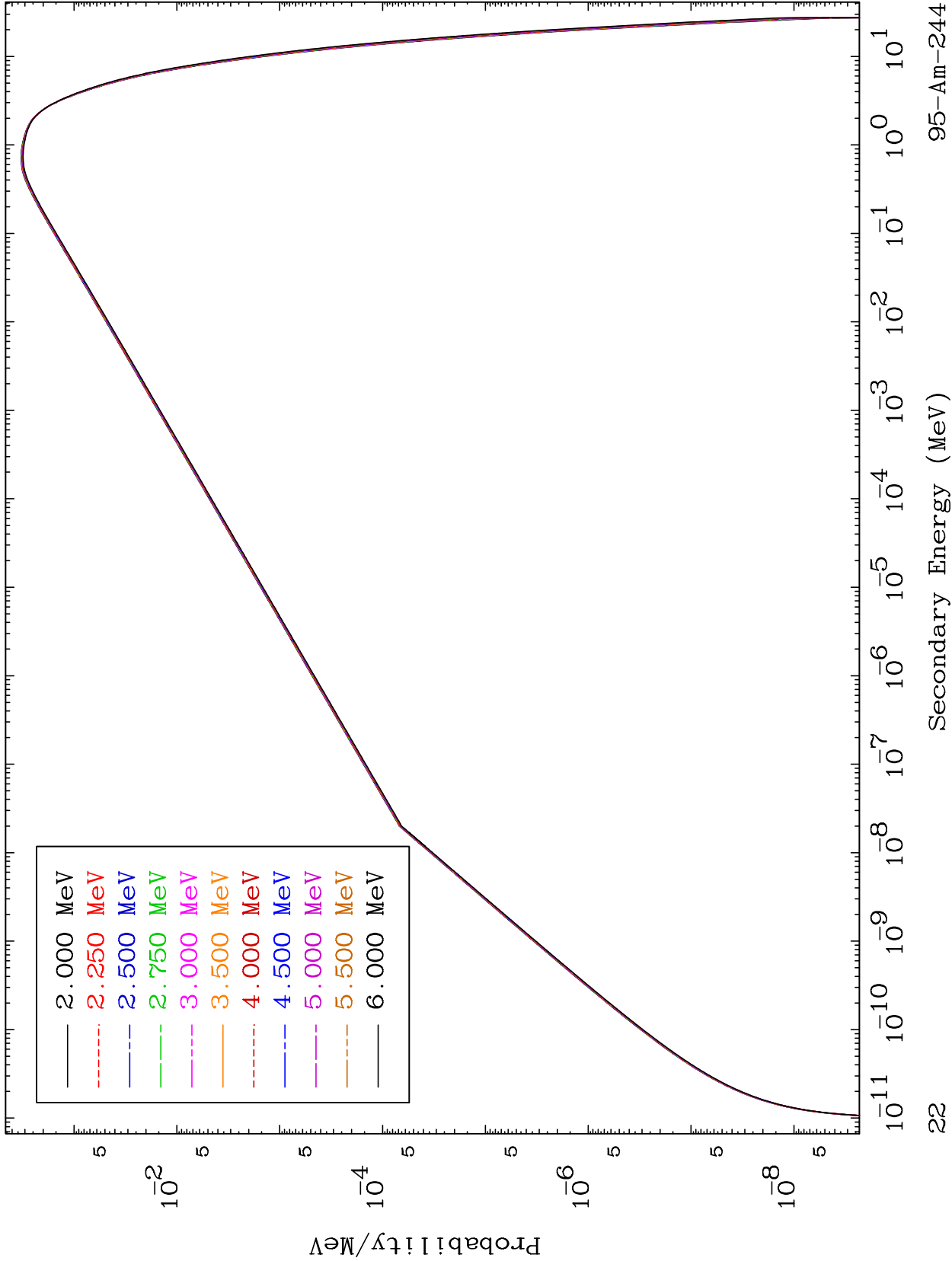
95-Am-244

Secondary Energy (MeV)

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Fission Energy Distributions

95-Am-244



95-Am-244

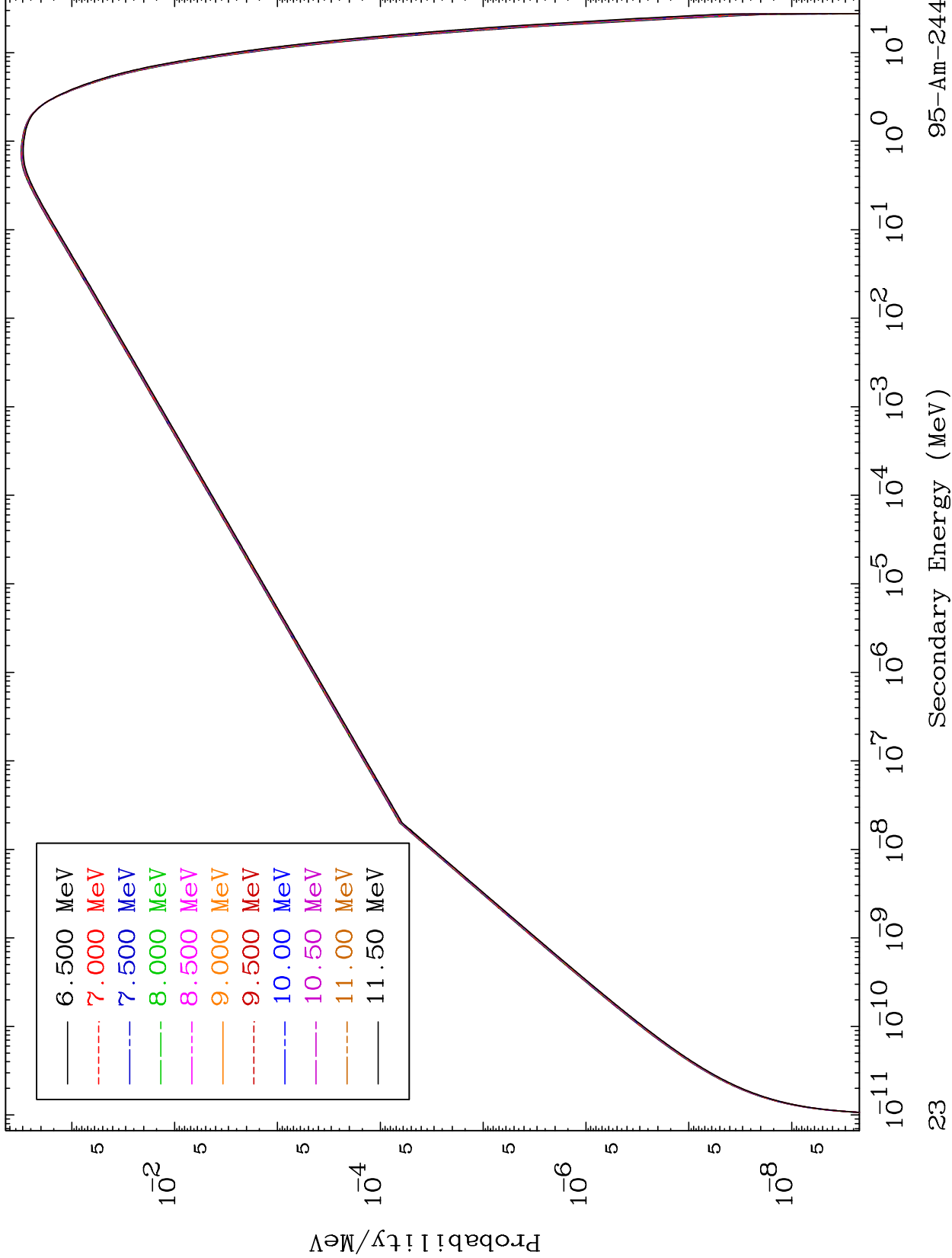
Secondary Energy (MeV)

22

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Fission Energy Distributions

95-Am-244

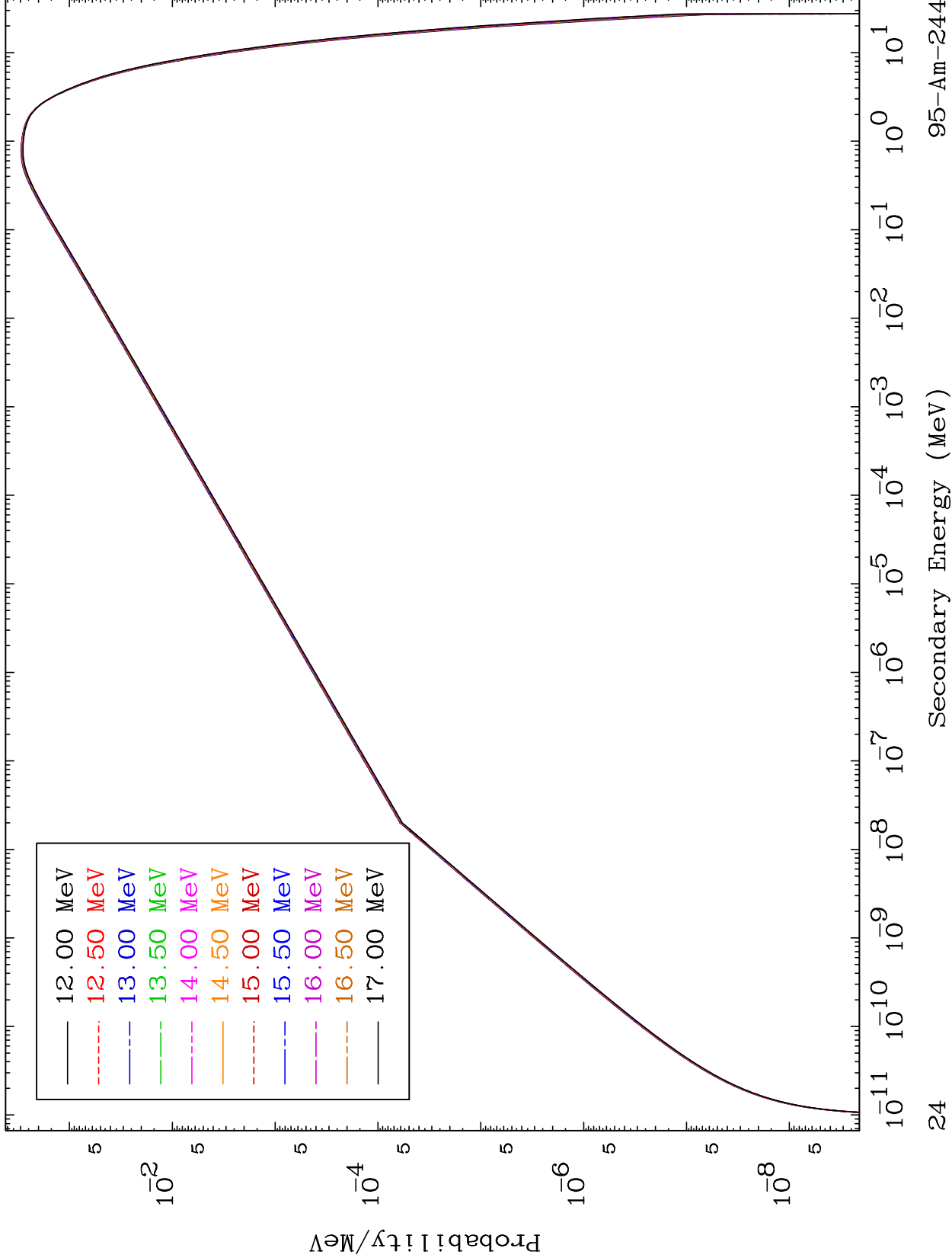


95-Am-244

MAT 9552

Fission Energy Distributions

95-Am-244



95-Am-244

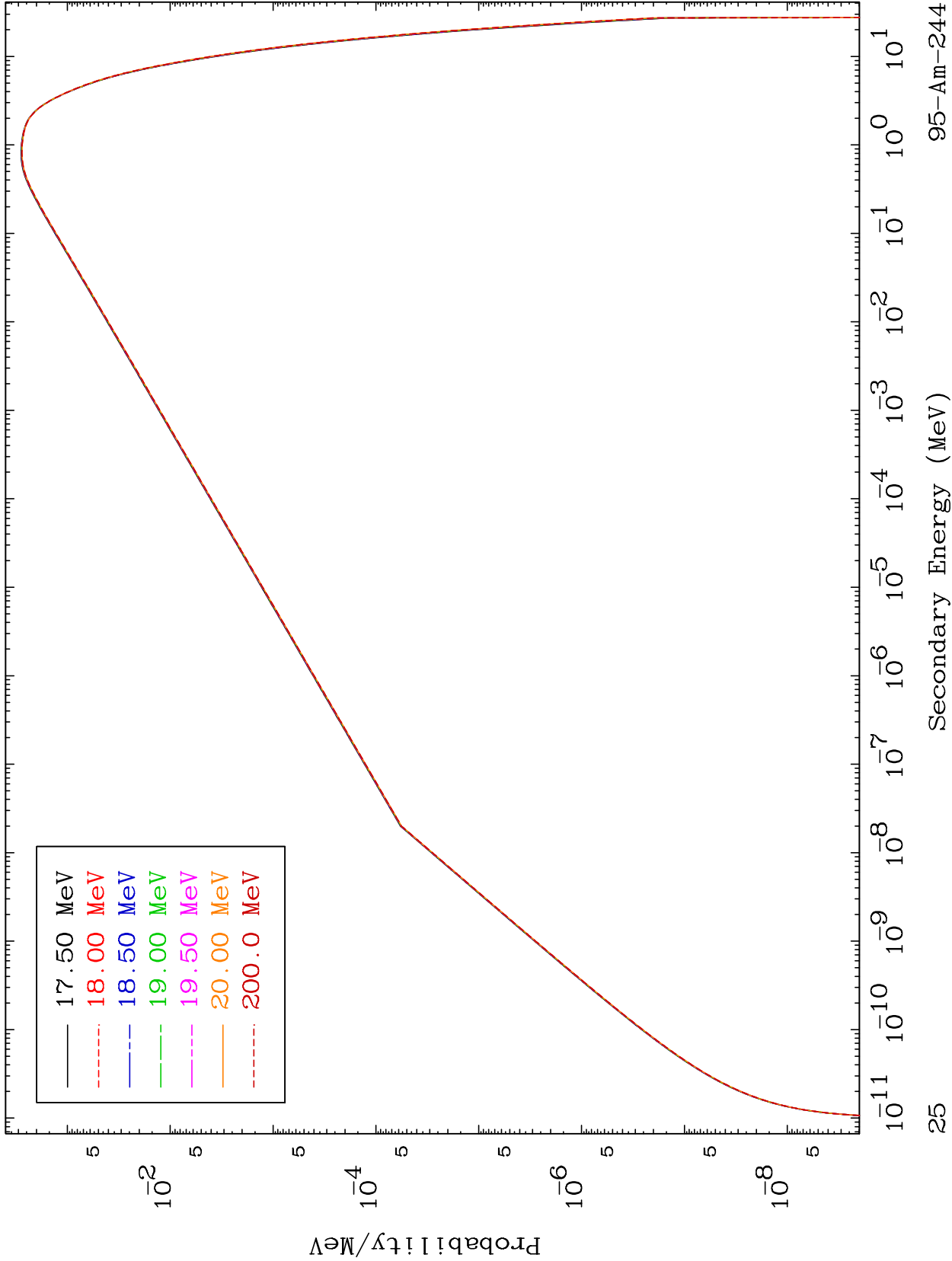
Secondary Energy (MeV)

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Fission Energy Distributions

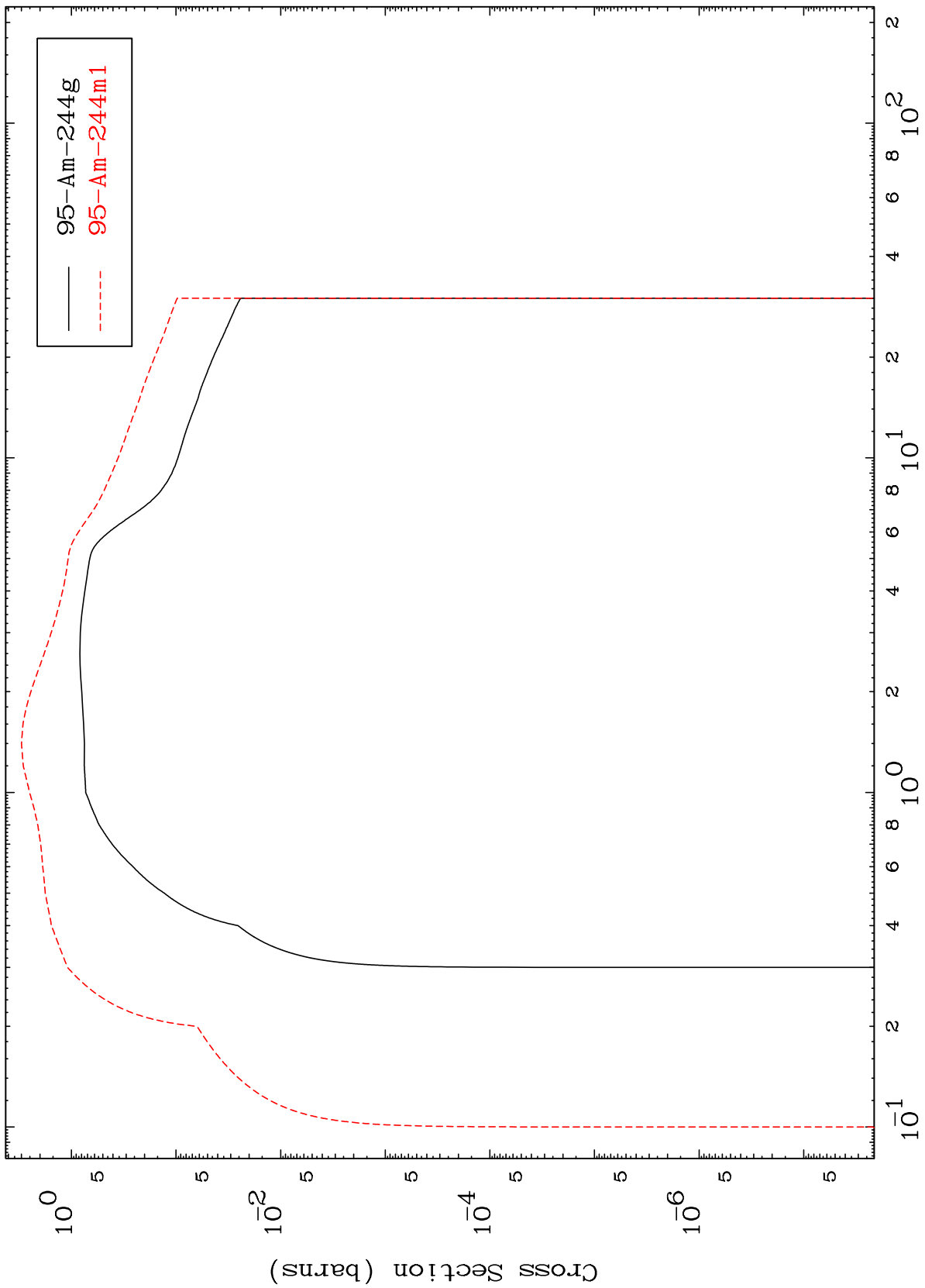
95-Am-244



MAT 9552

95-Am-244

Inelastic Radionuclide Production Cross Section



— 95-Am-244g
- - - 95-Am-244m1

26

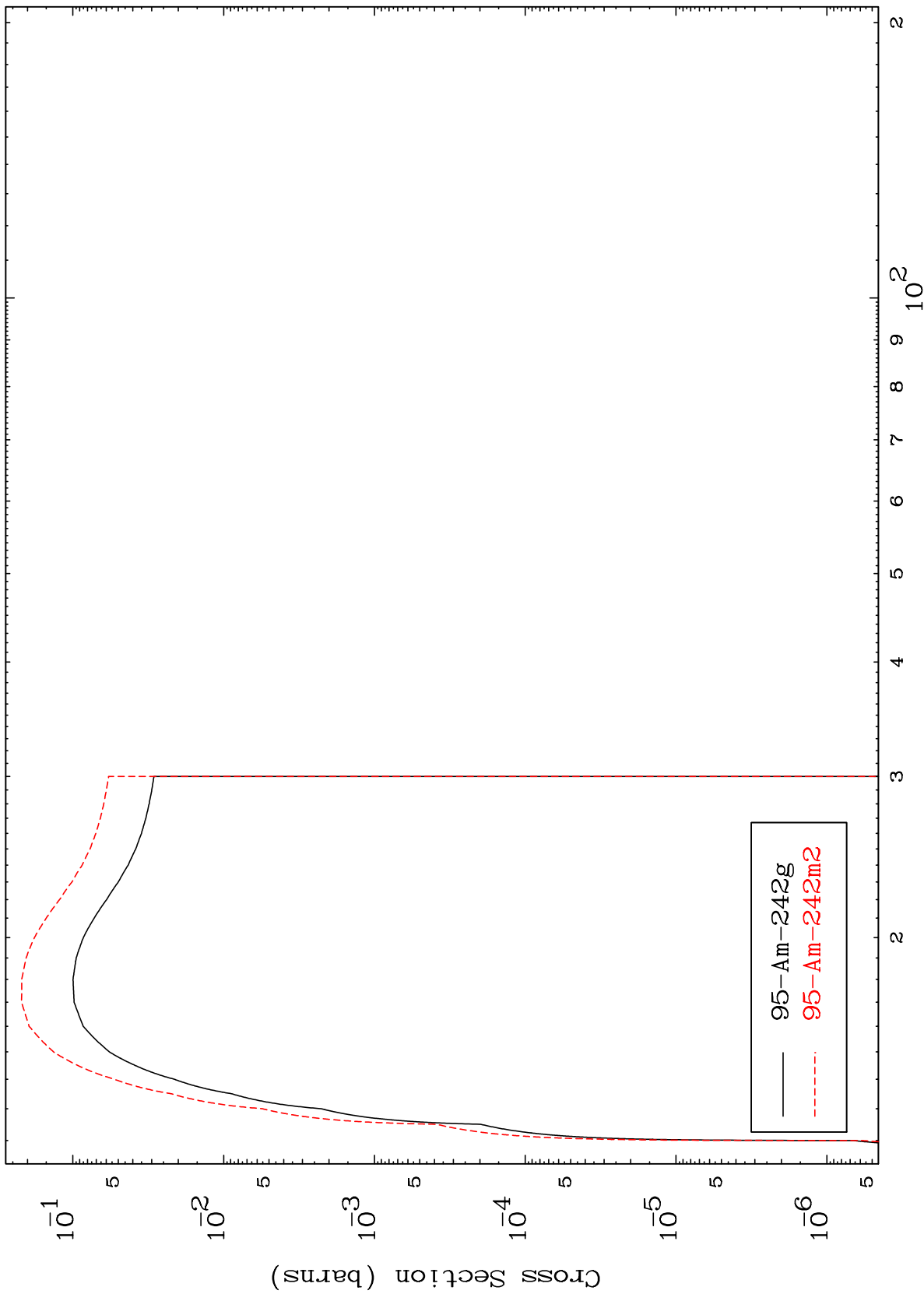
Incident Energy (MeV)

95-Am-244

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95-Am-244

(n,3n)
Radionuclide Production Cross Section



95-Am-244

Incident Energy (MeV)

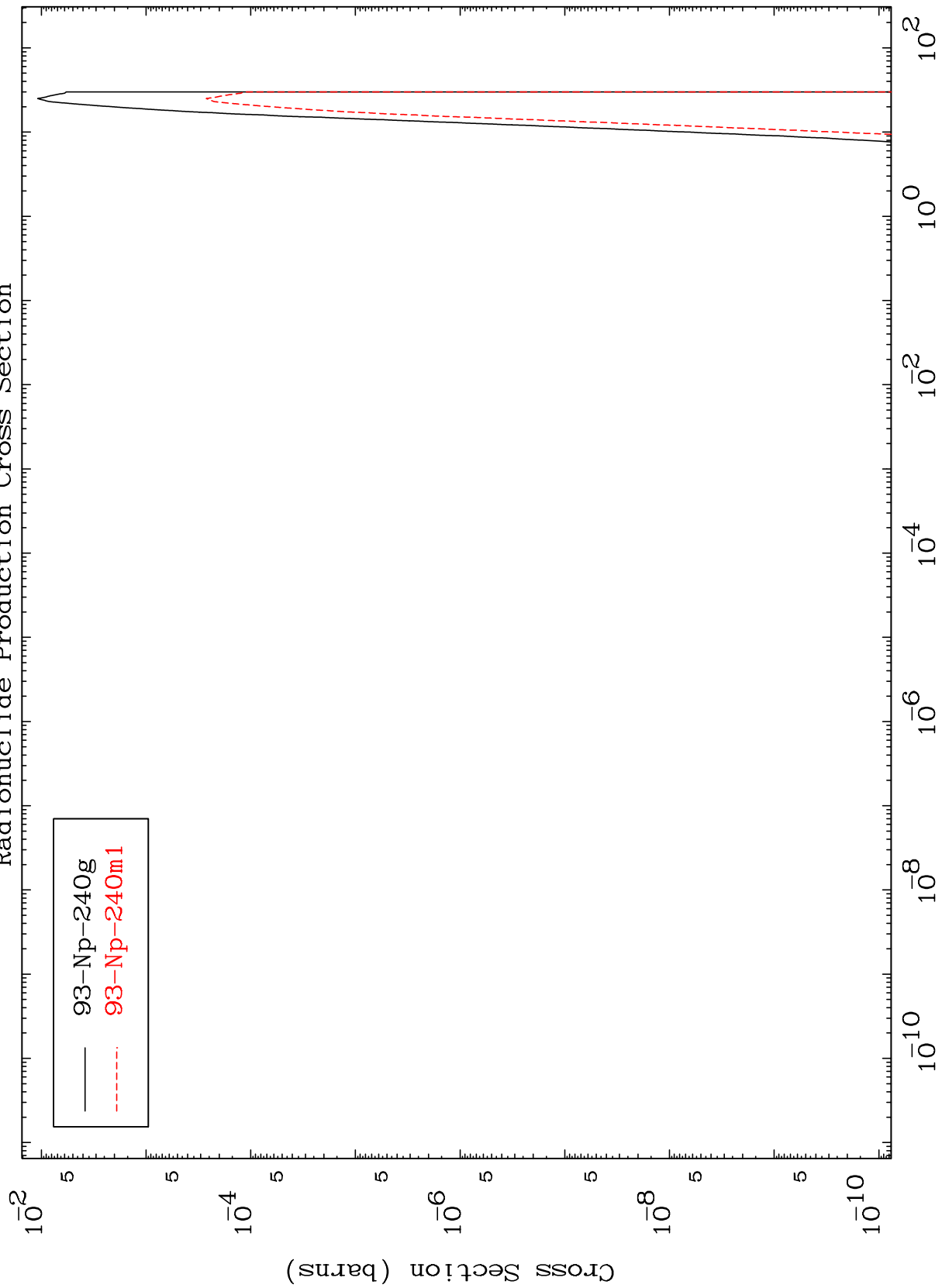
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$(n, n') \alpha$

95-Am-244

Radionuclide Production Cross Section



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

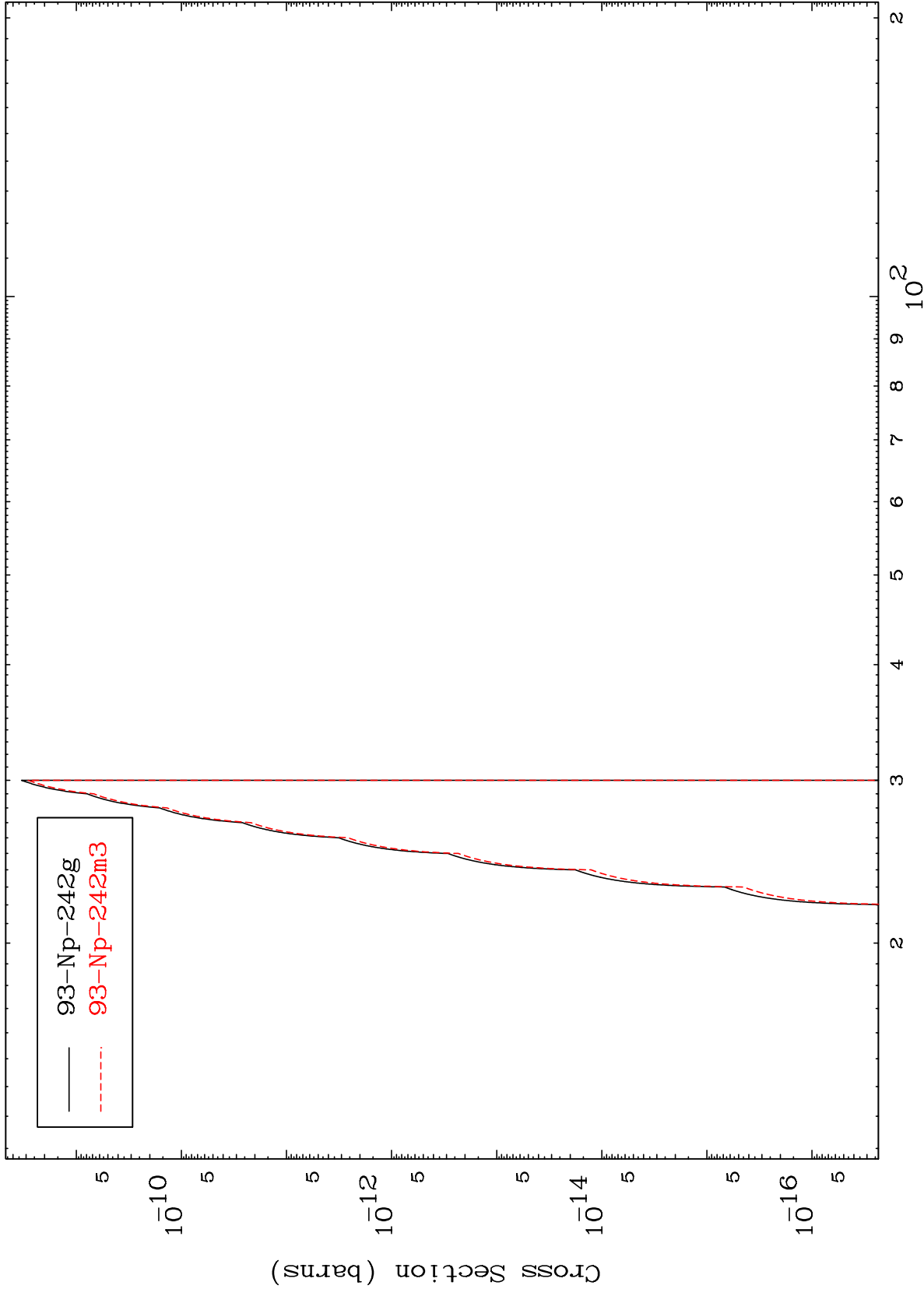
Incident Energy (MeV)

95-Am-244

MAT 9552

95-Am-244

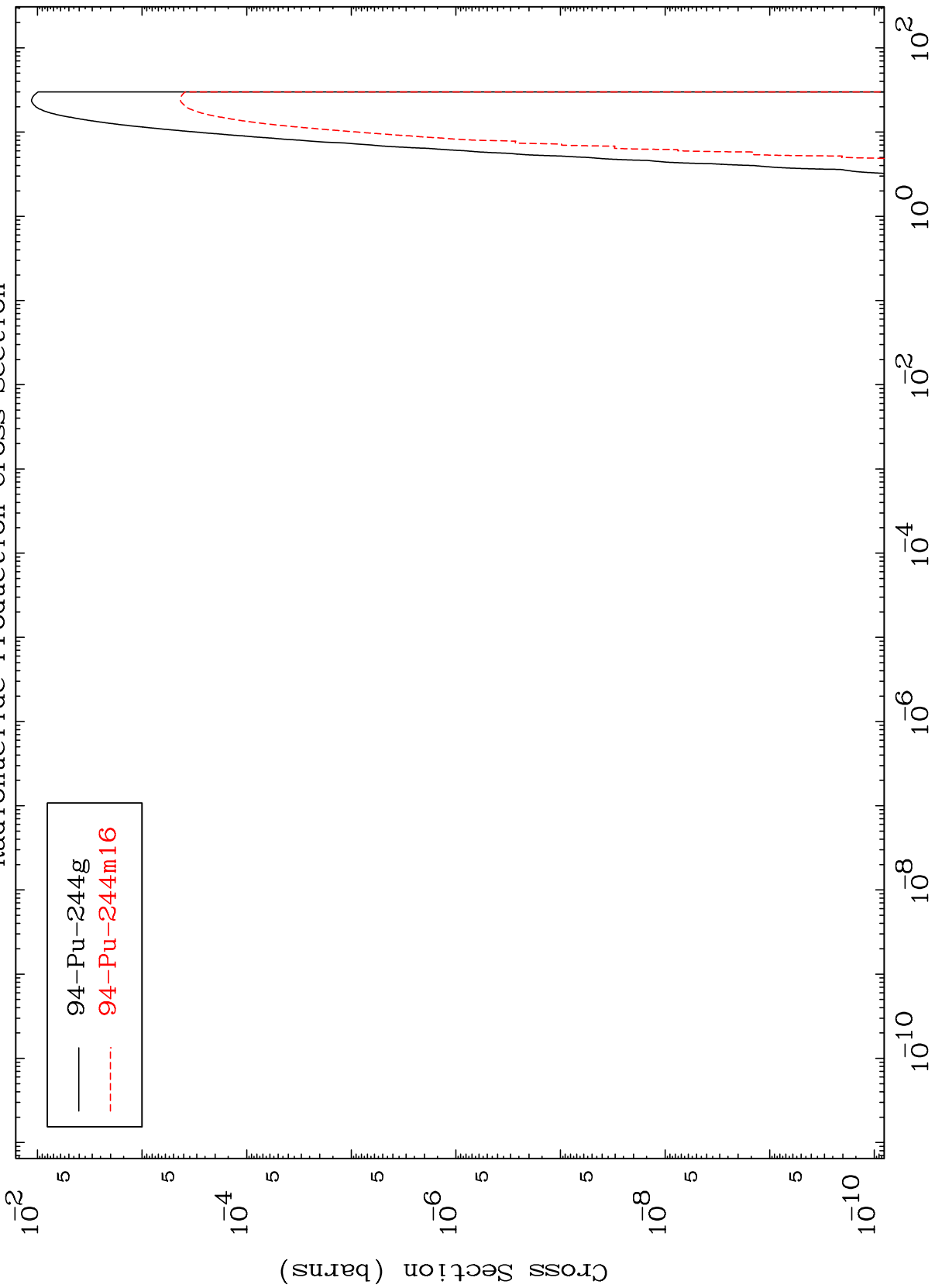
(n,2n) p
Radionuclide Production Cross Section



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95-Am-244

(n,p)
Radionuclide Production Cross Section



— 94-Pu-244g
- - - 94-Pu-244m16

95-Am-244

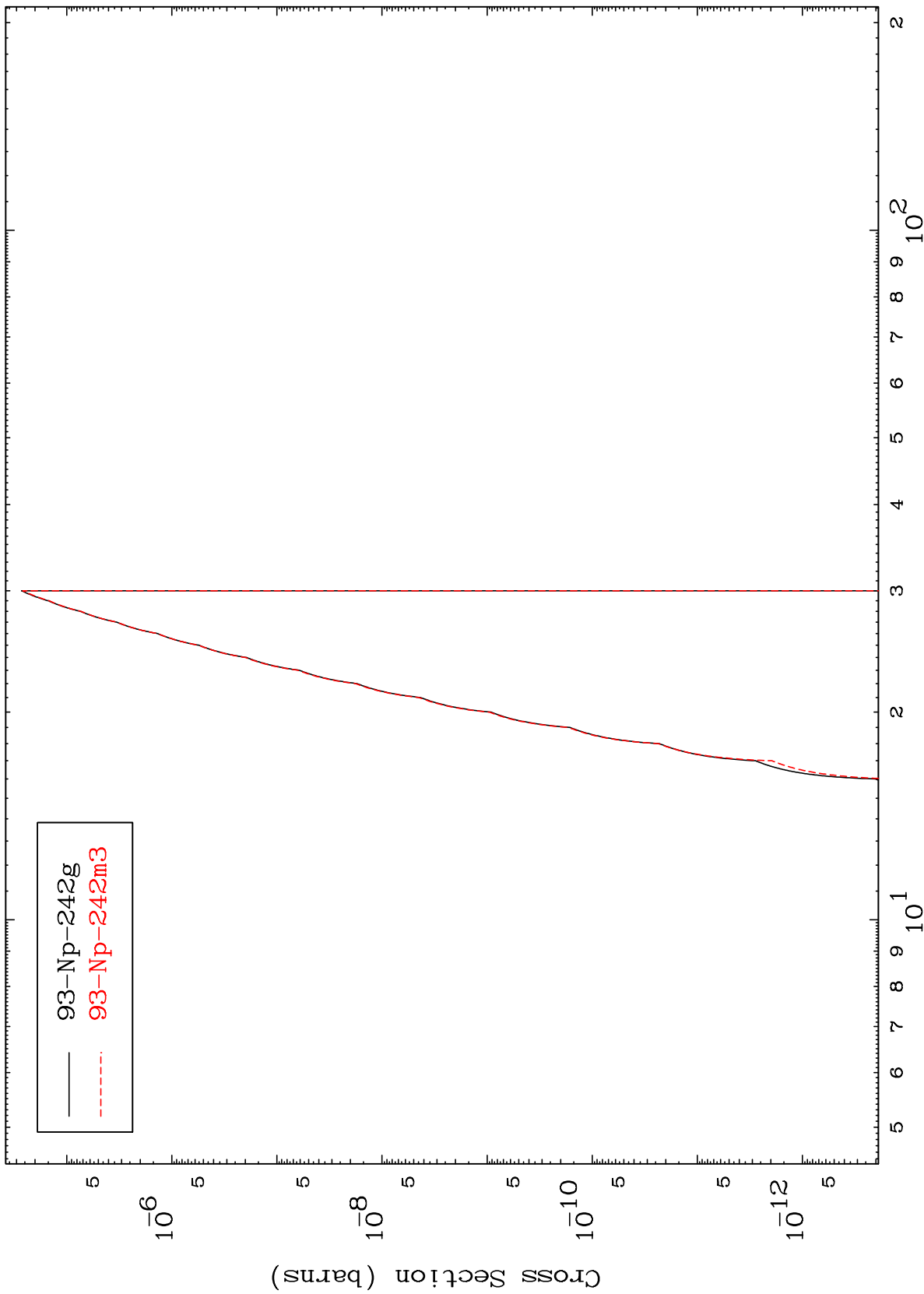
Incident Energy (MeV)

30

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95-Am-244

Radionuclide Production Cross Section
(n,He-3)



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

95-Am-244

Incident Energy (MeV)

31