

Program EVALPLOT
(Version 2015-2)

by

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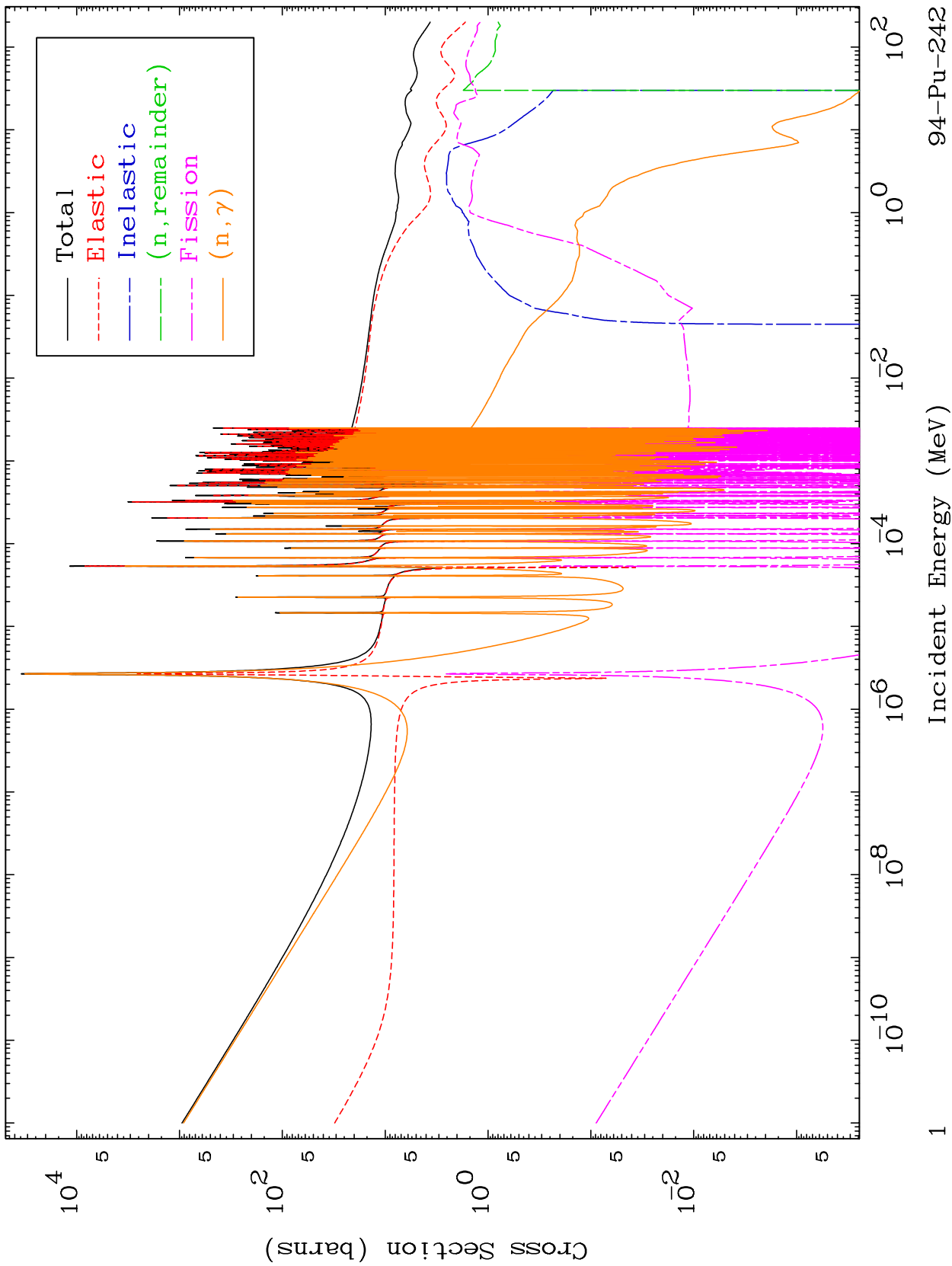
Press Mouse Button to Start

MAT 9446

Major

293 Kelvin Cross Sections

94-Pu-242



1

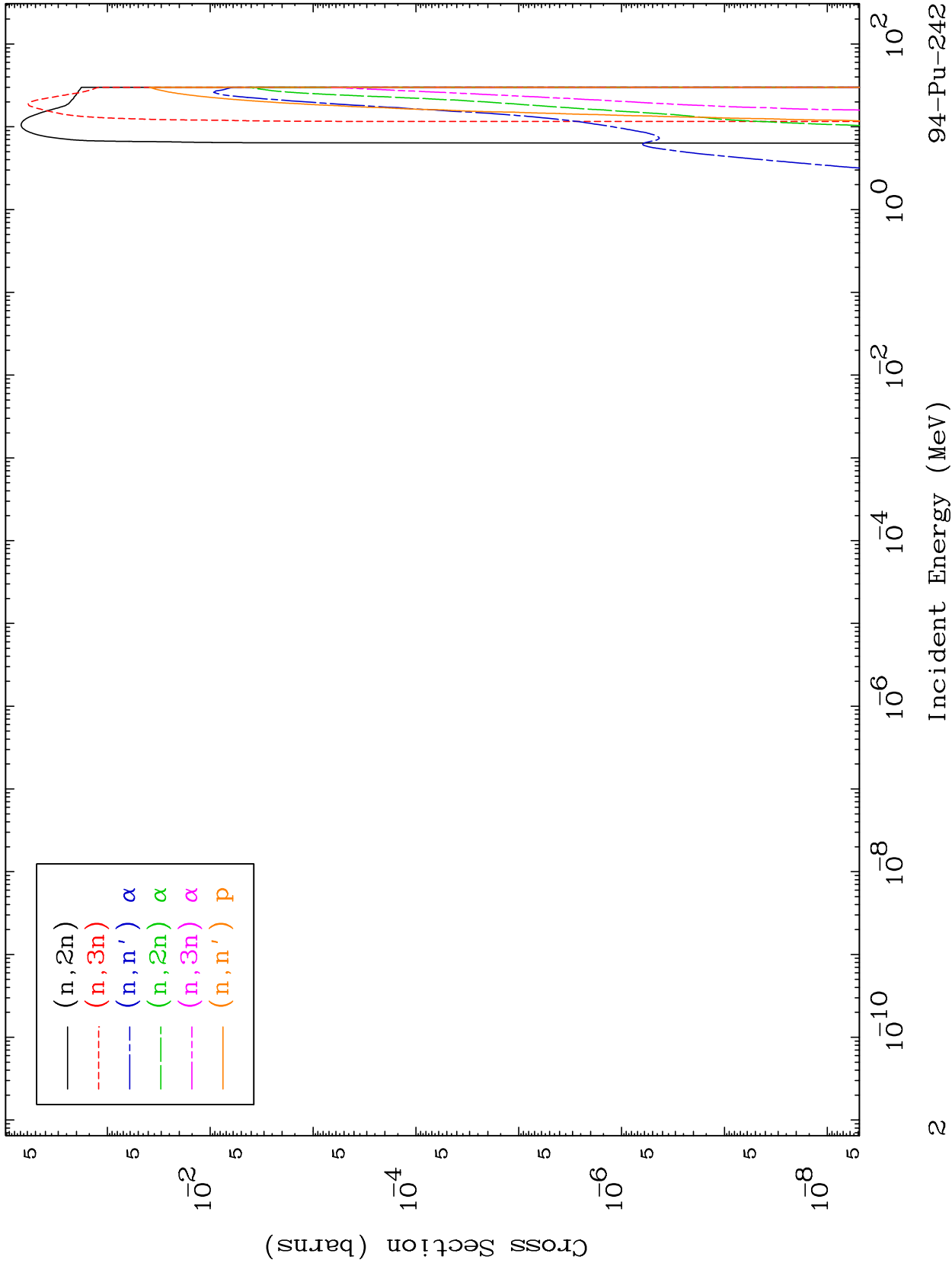
Incident Energy (MeV)

94-Pu-242

MAT 9446

Neutron Production
293 Kelvin Cross Sections

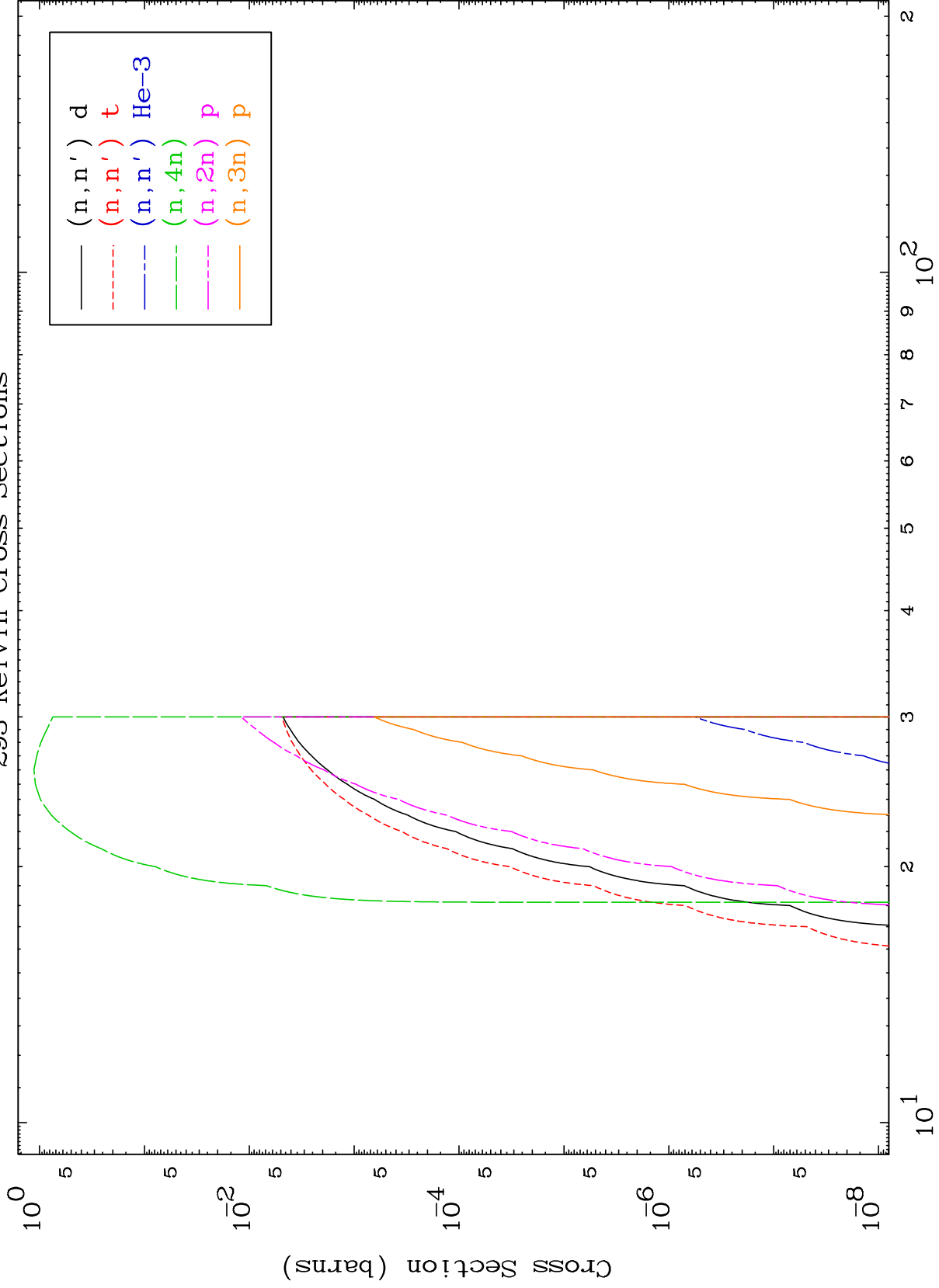
94-Pu-242



MAT 9446

Neutron Production
293 Kelvin Cross Sections

94-Pu-242



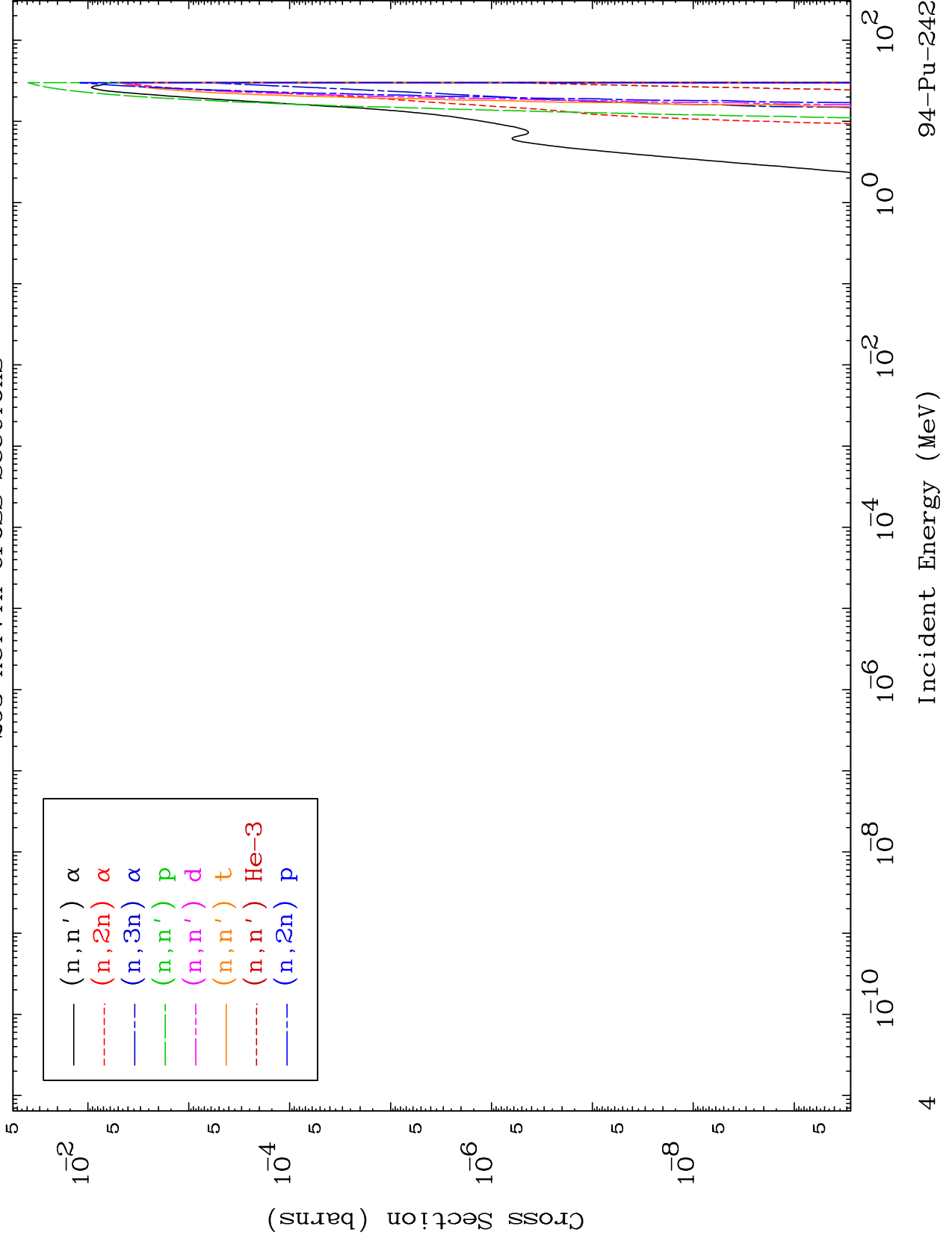
Incident Energy (MeV)

94-Pu-242

MAT 9446

Charged Particle
293 Kelvin Cross Sections

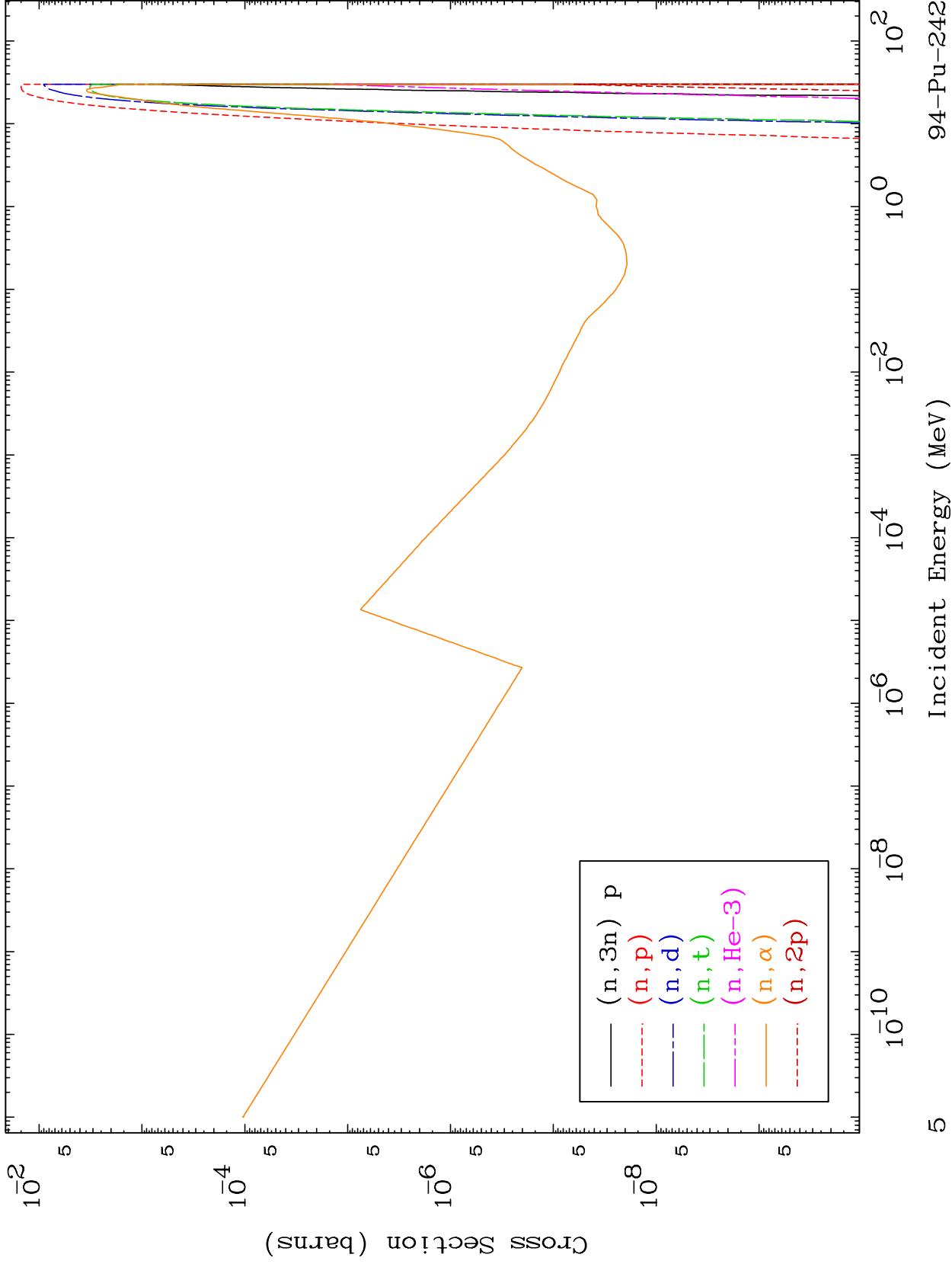
94-Pu-242



MAT 9446

Charged Particle
293 Kelvin Cross Sections

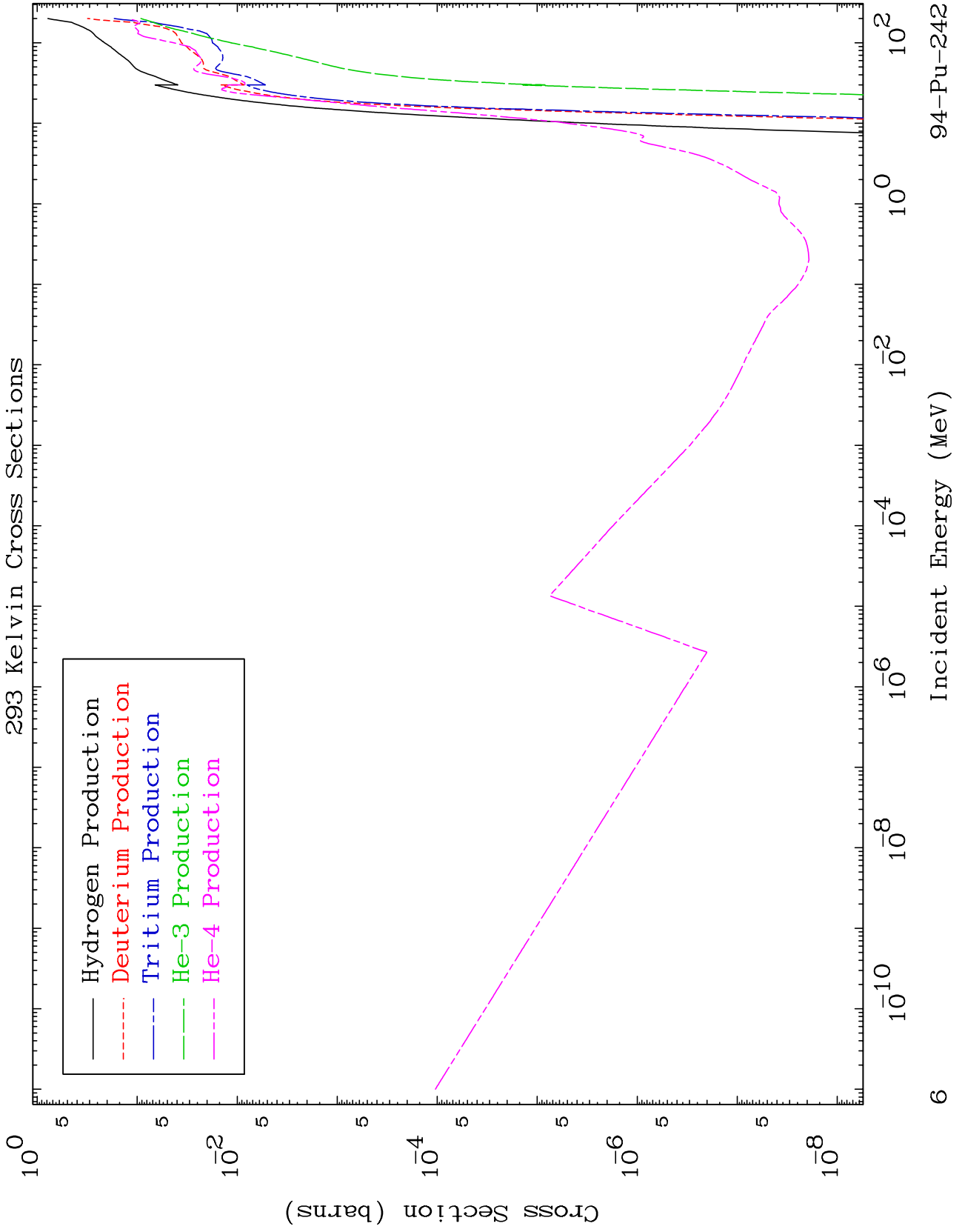
94-Pu-242



MAT 9446

Particle Production
293 Kelvin Cross Sections

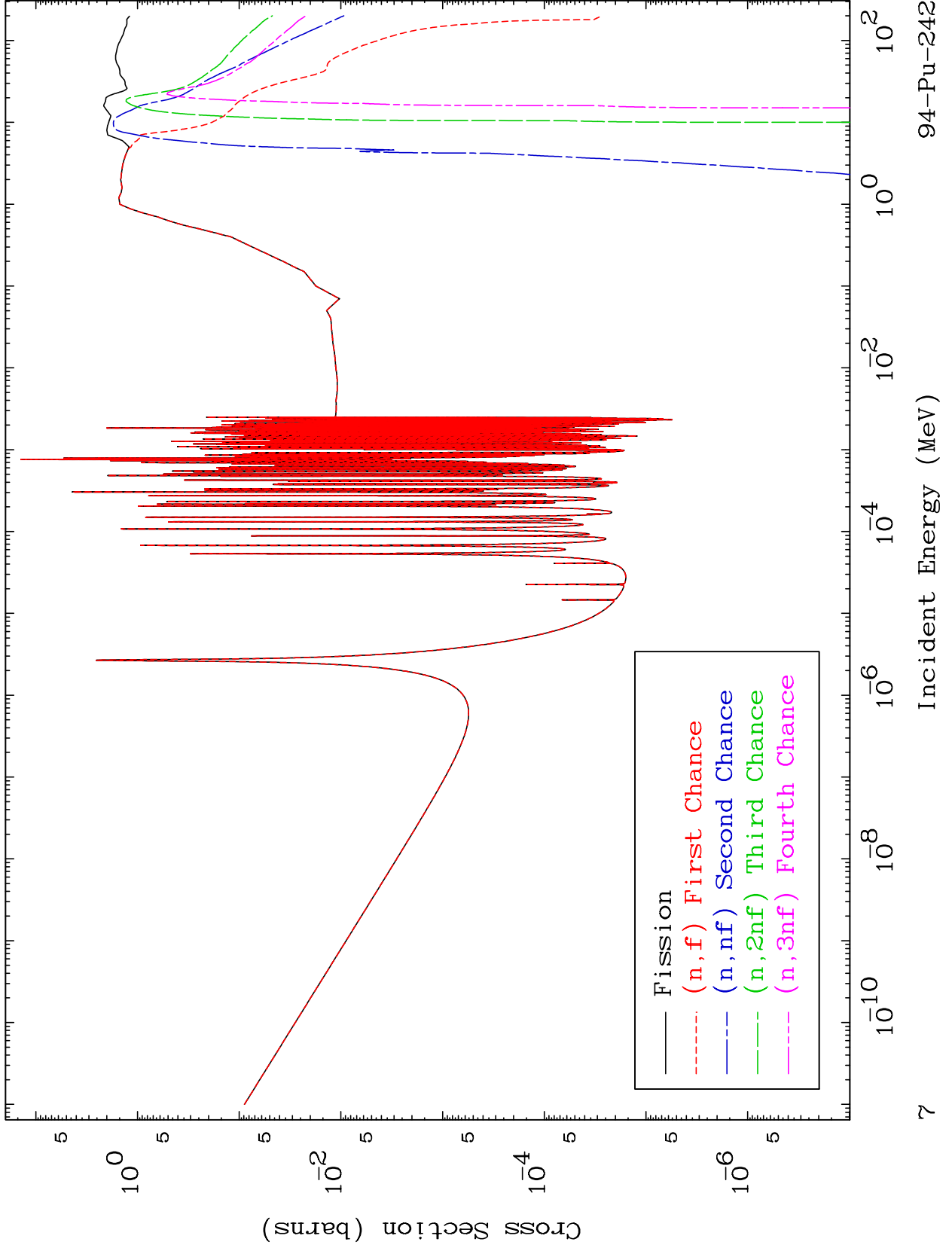
94-Pu-242



MAT 9446

Fission
293 Kelvin Cross Sections

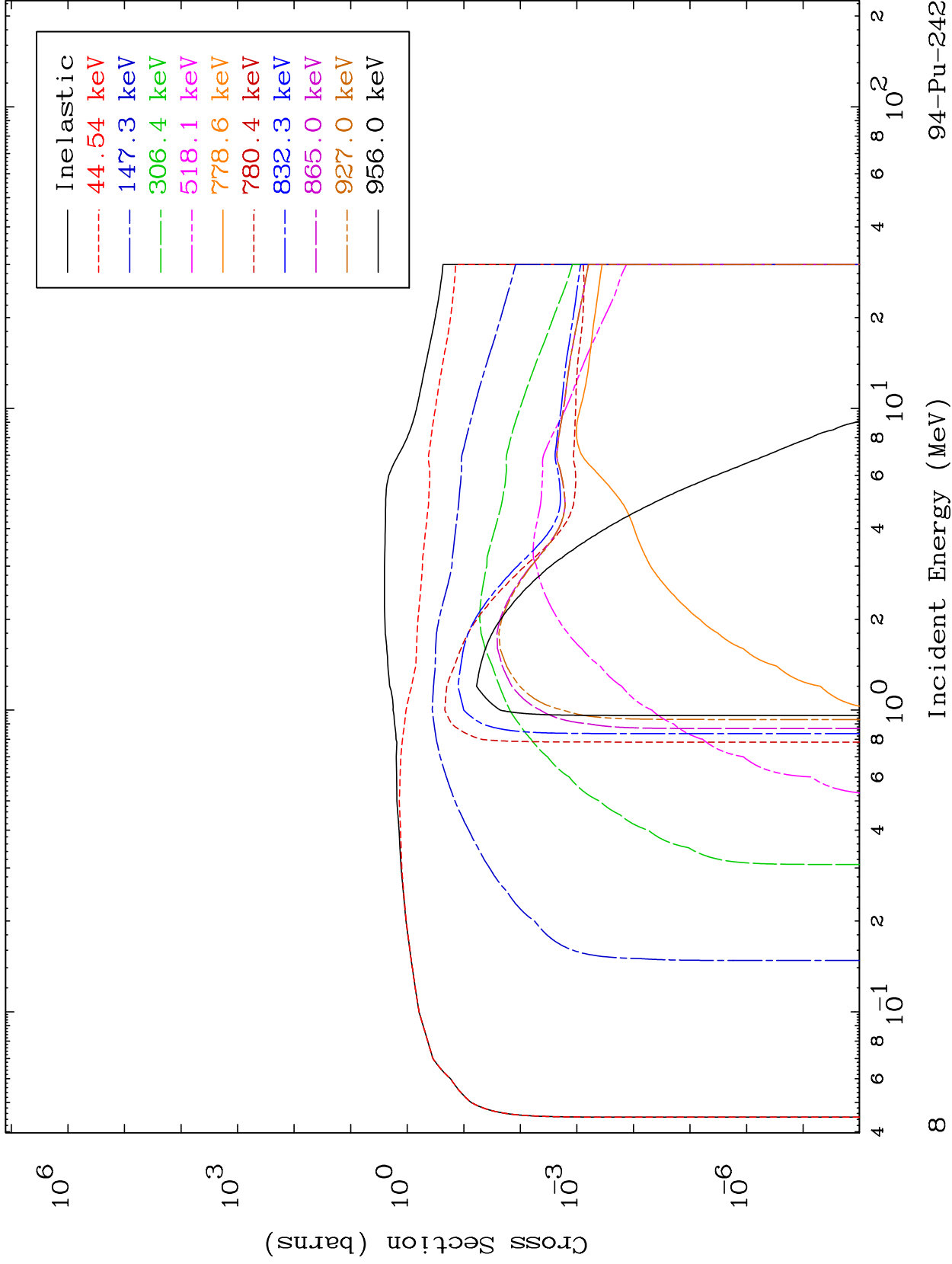
94-Pu-242



MAT 9446

(n,n') Level
293 Kelvin Cross Sections

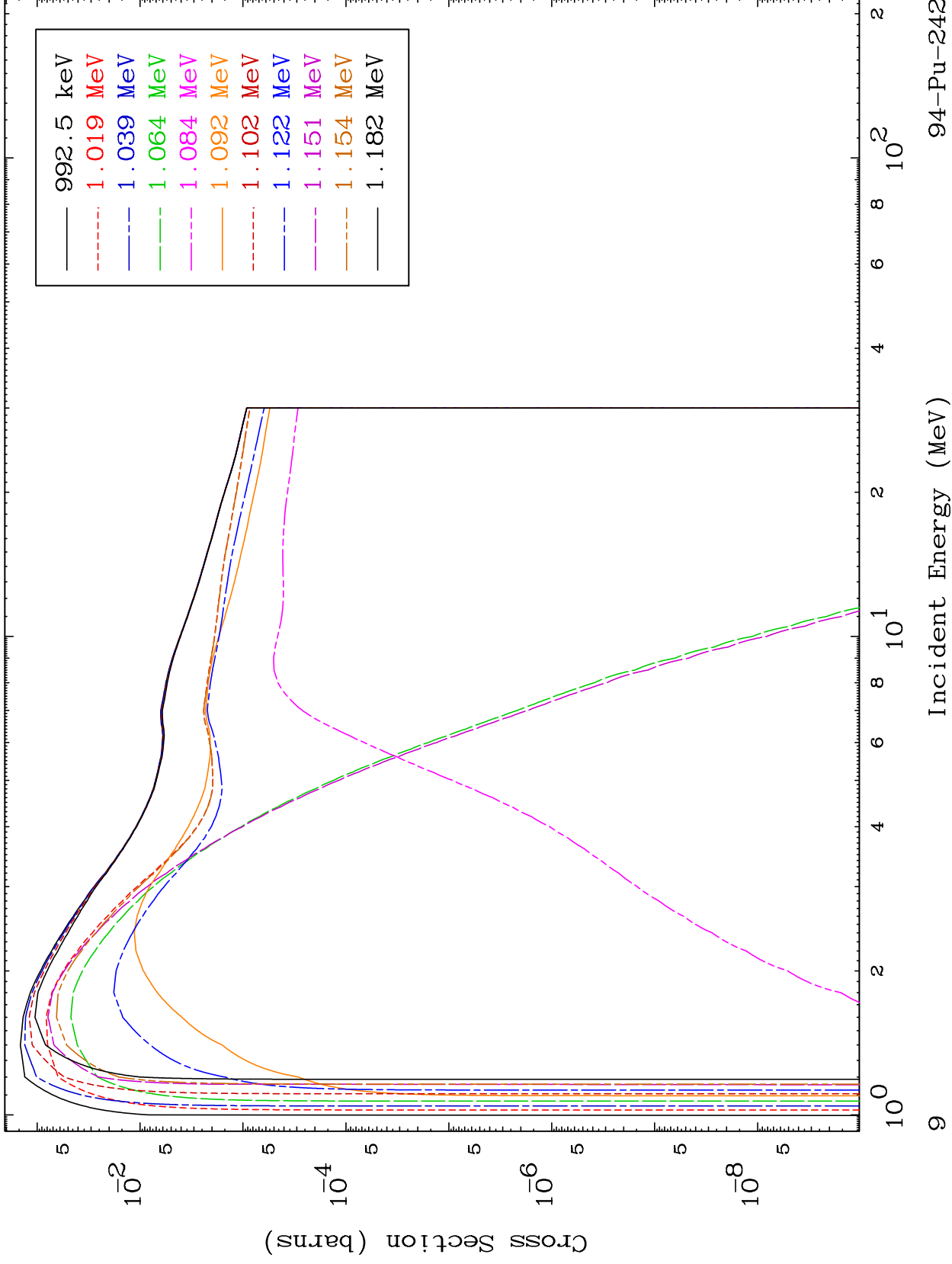
94-Pu-242



MAT 9446

(n,n') Level
293 Kelvin Cross Sections

94-Pu-242



94-Pu-242

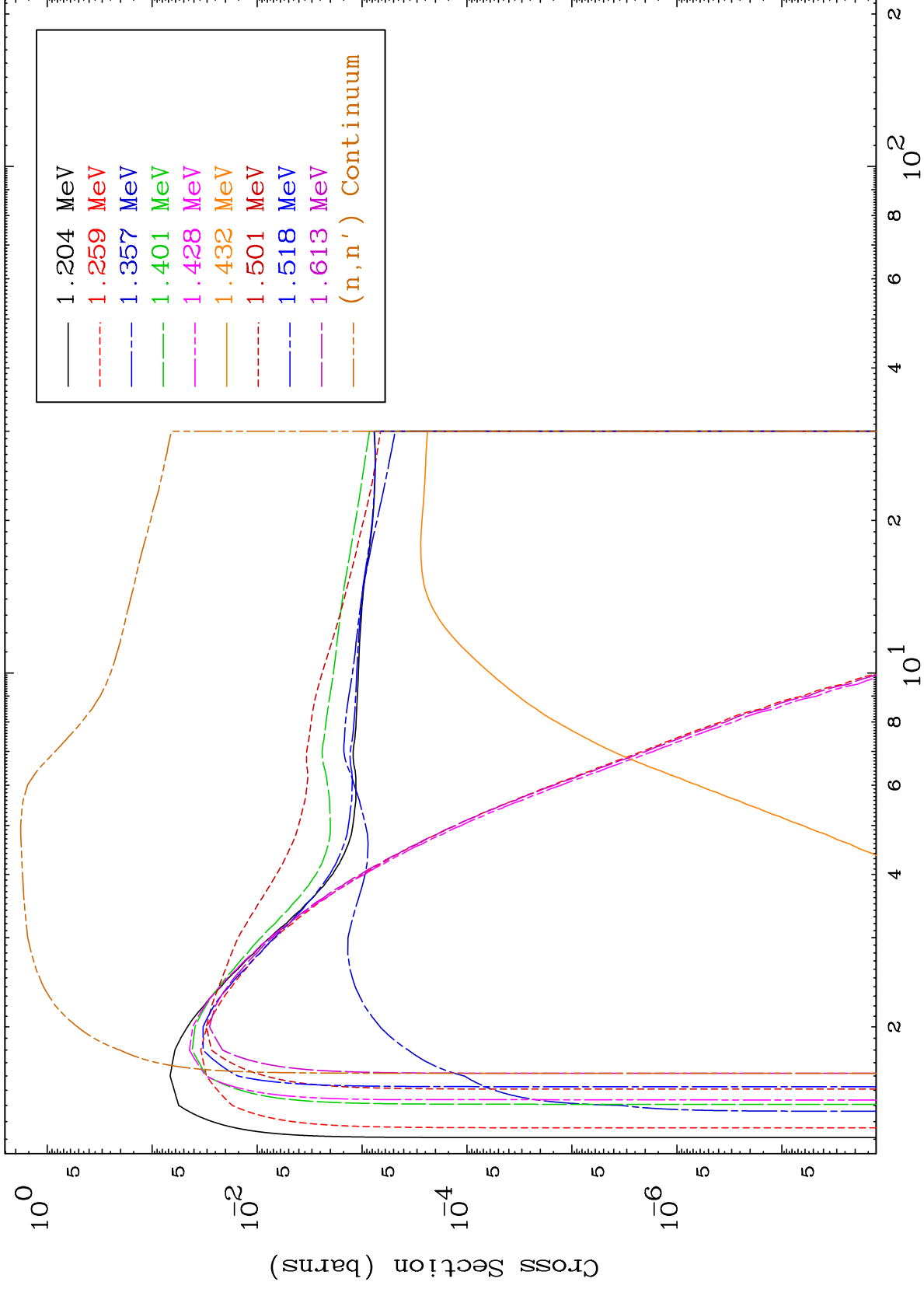
Incident Energy (MeV)

MAT 9446

(n,n') Level

94-Pu-242

293 Kelvin Cross Sections



10

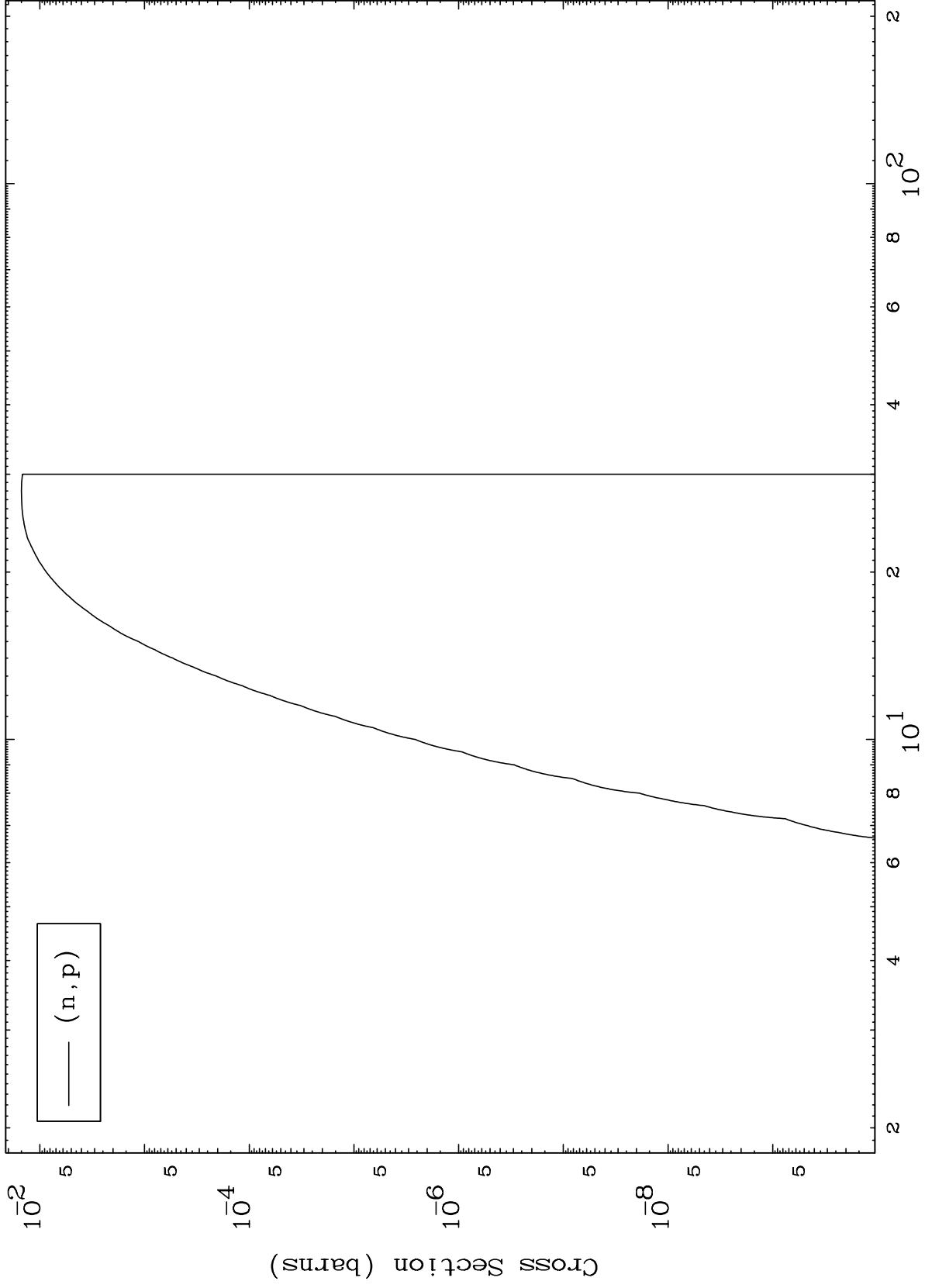
Incident Energy (MeV)

94-Pu-242

MAT 9446

(n,p) Levels
293 Kelvin Cross Sections

94-Pu-242



11

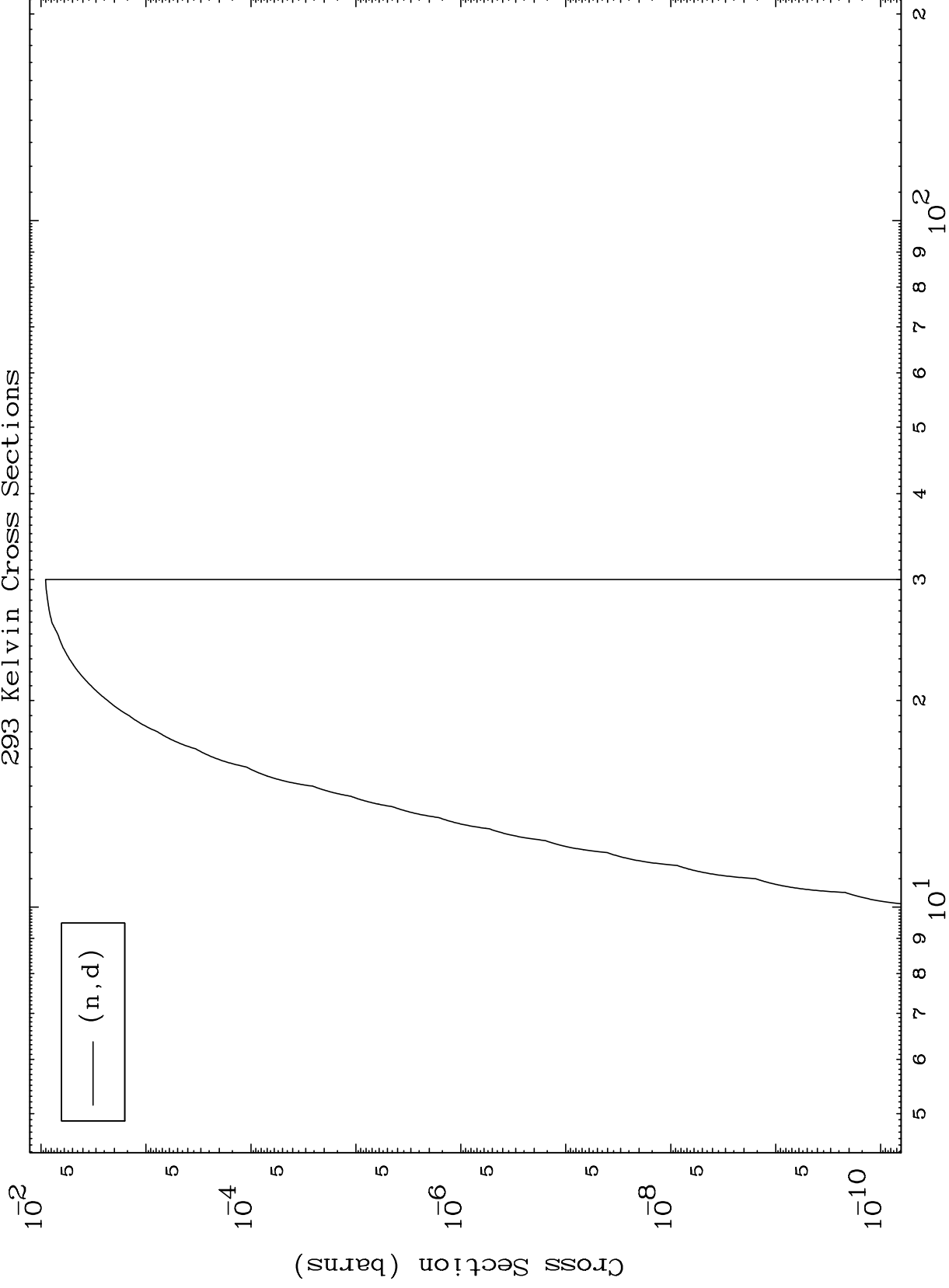
Incident Energy (MeV)

94-Pu-242

MAT 9446

(n,d) Levels
293 Kelvin Cross Sections

94-Pu-242



12

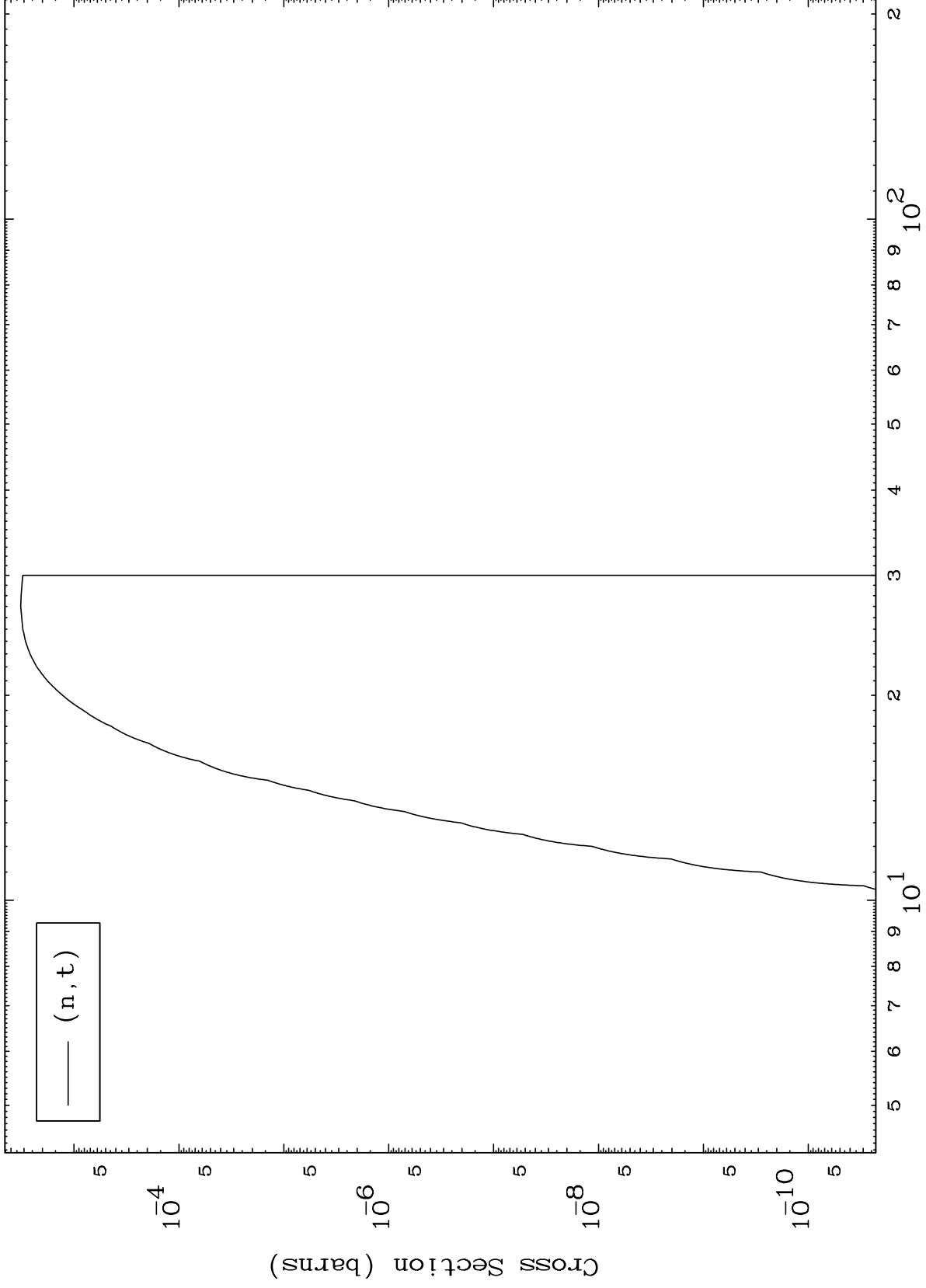
Incident Energy (MeV)

94-Pu-242

MAT 9446

(n,t) Levels
293 Kelvin Cross Sections

94-Pu-242



13

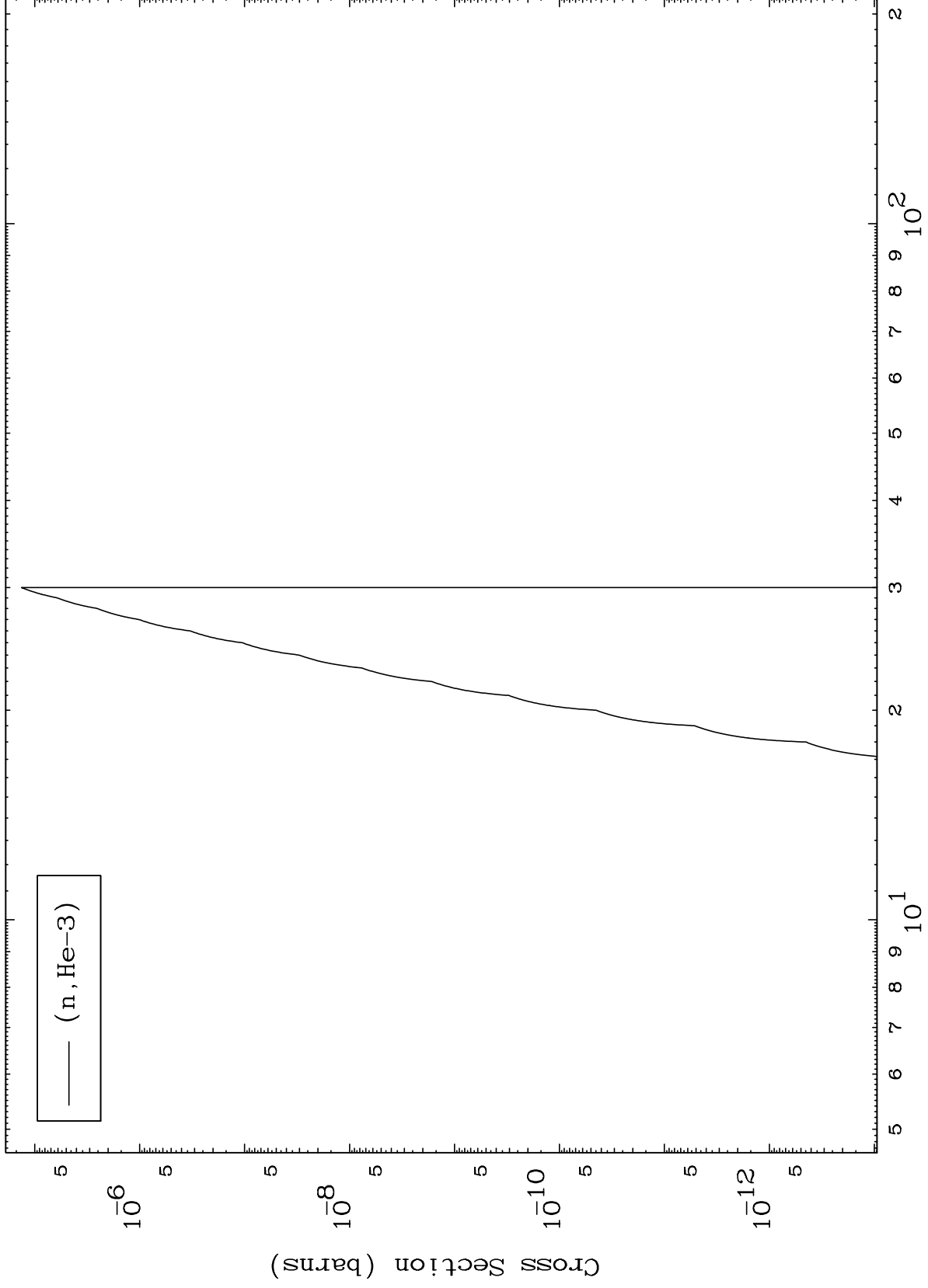
Incident Energy (MeV)

94-Pu-242

MAT 9446

(n,He3) Levels
293 Kelvin Cross Sections

94-Pu-242



14

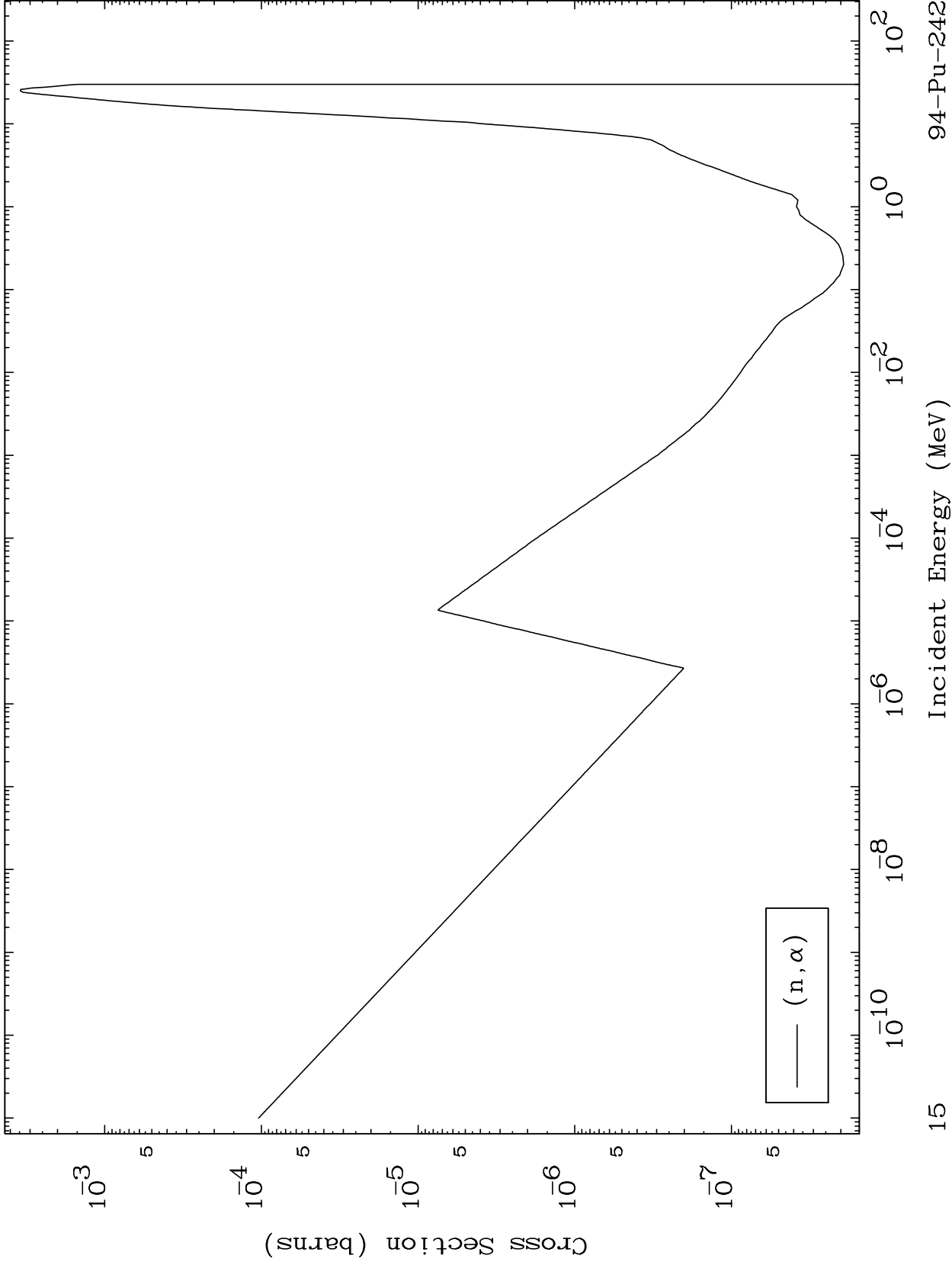
Incident Energy (MeV)

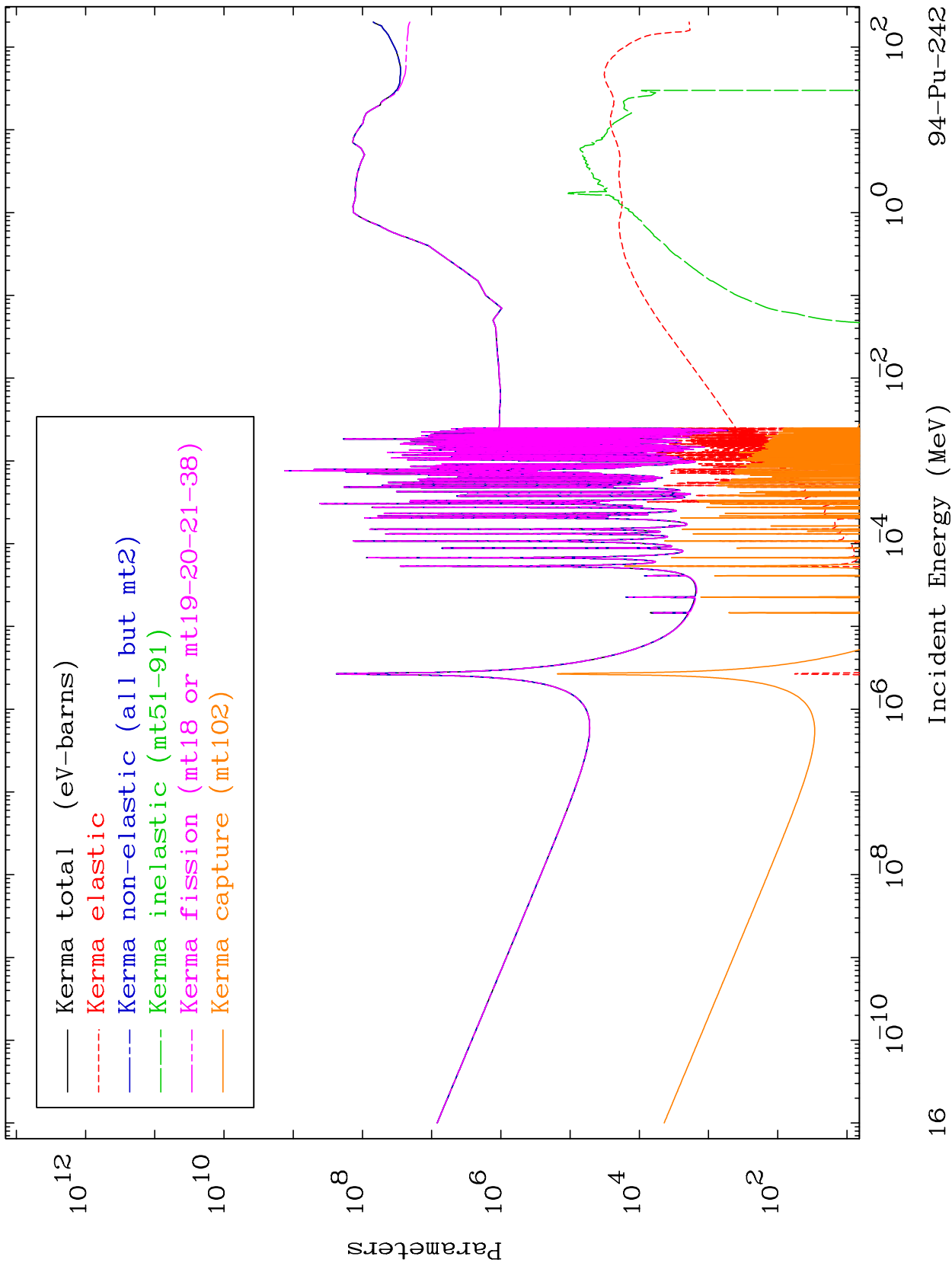
94-Pu-242

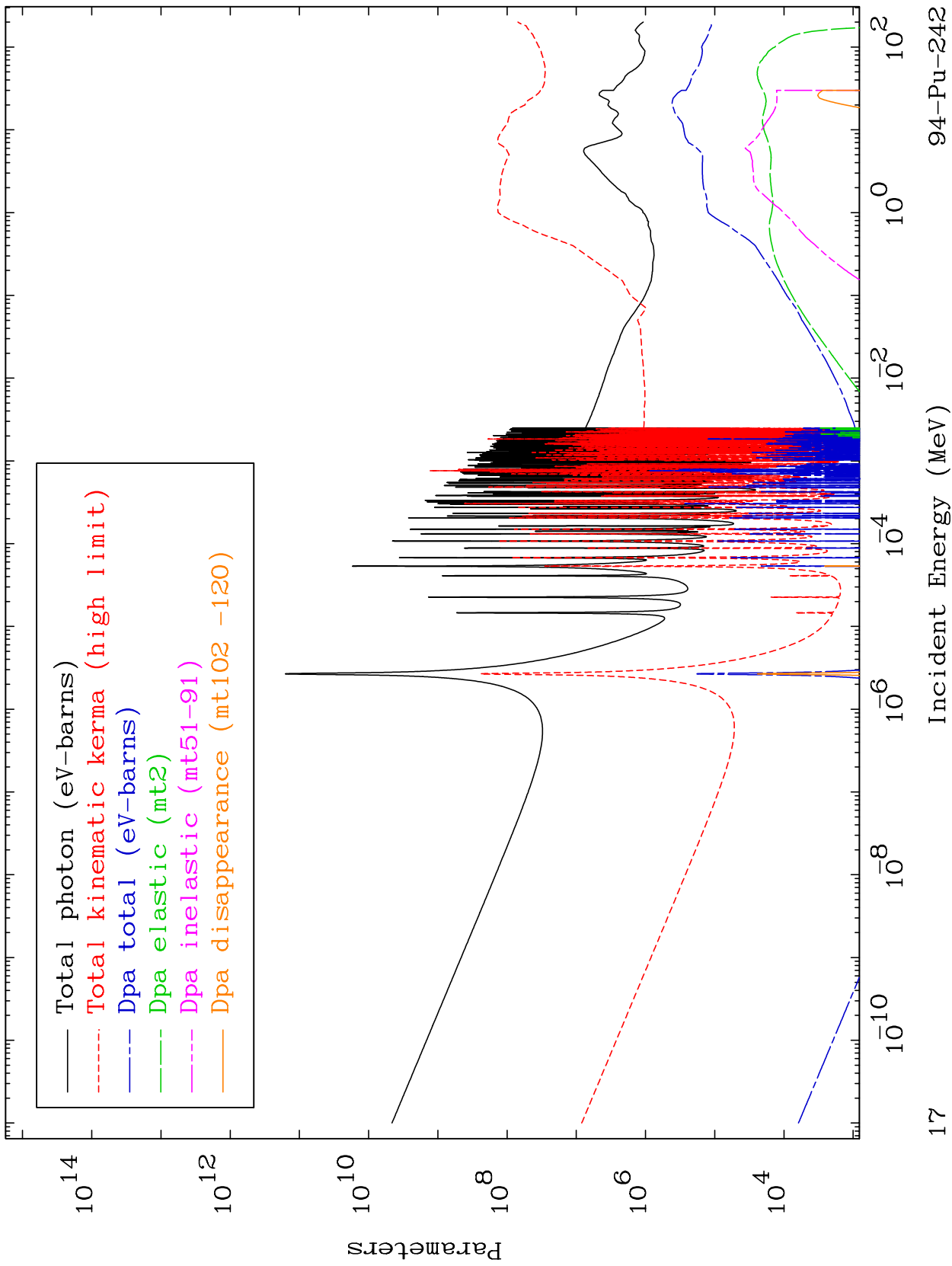
MAT 9446

(n, α) Levels
293 Kelvin Cross Sections

94-Pu-242



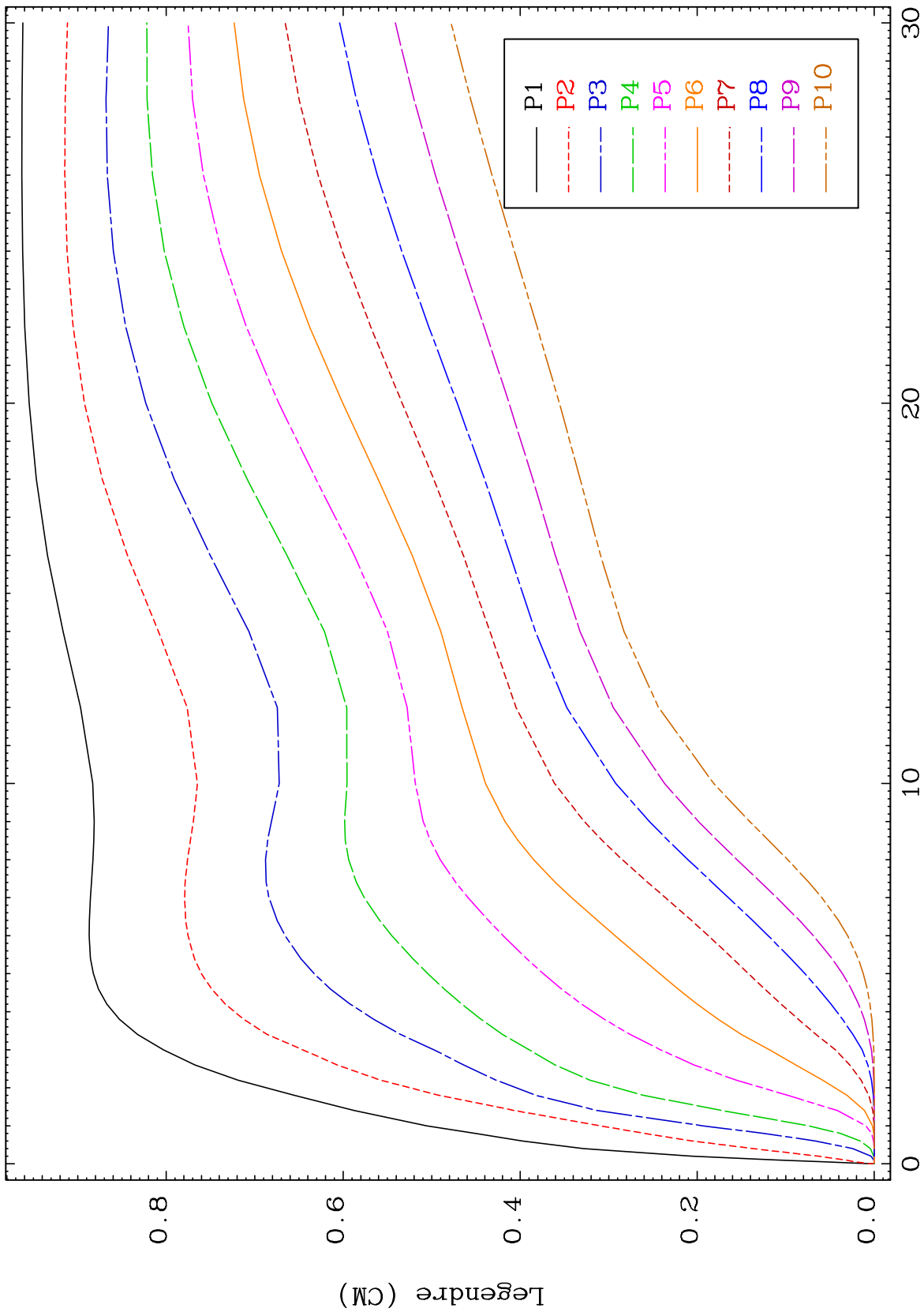




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94-Pu-242

Elastic Legendre Coefficients



94-Pu-242

Incident Energy (MeV)

18

30

20

10

0

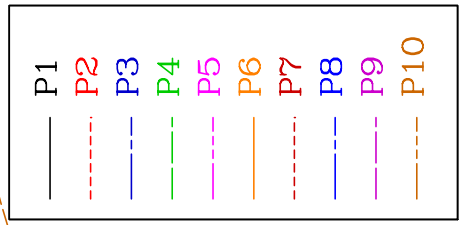
0.0

0.2

0.4

0.6

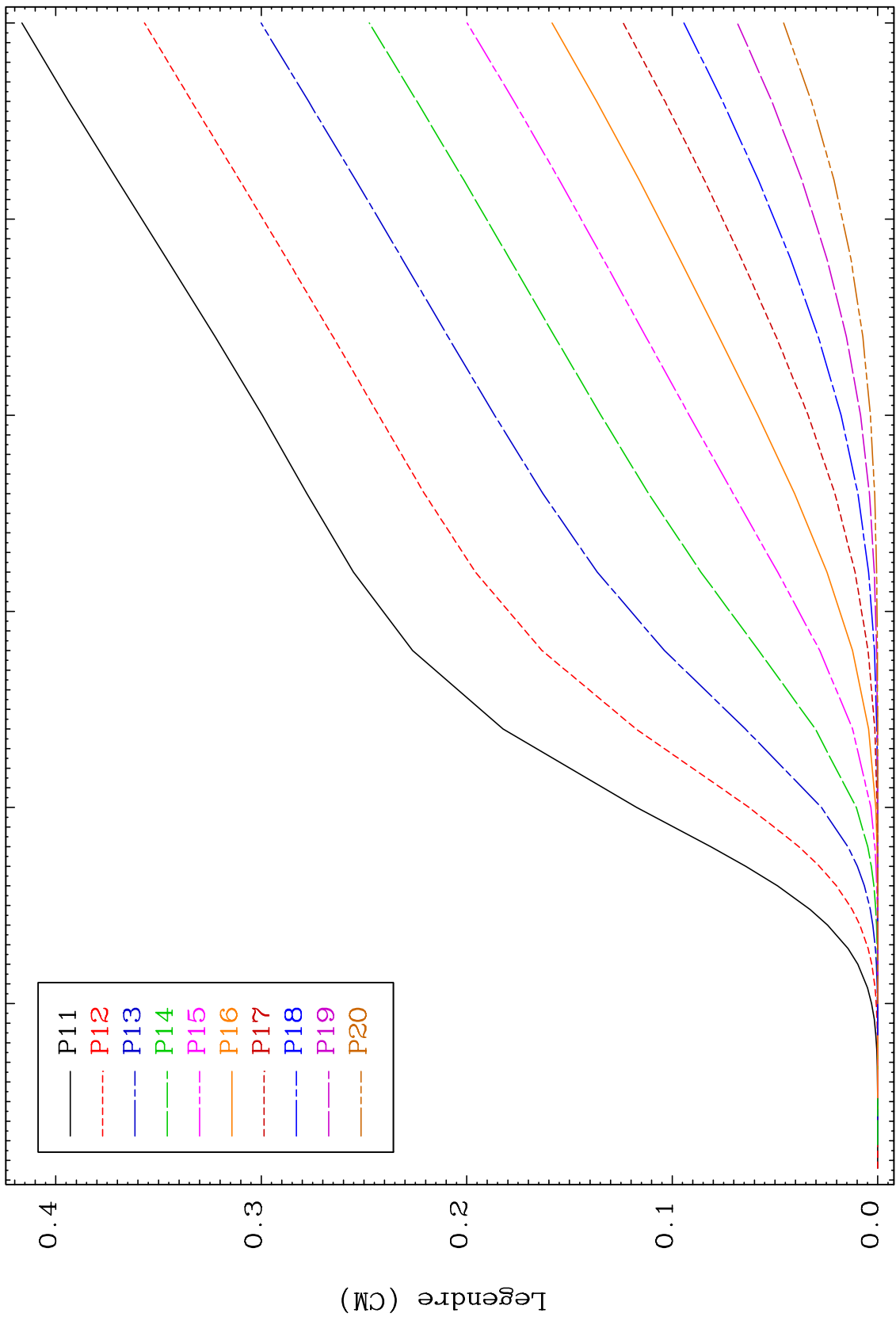
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Elastic Legendre Coefficients

94-Pu-242



19

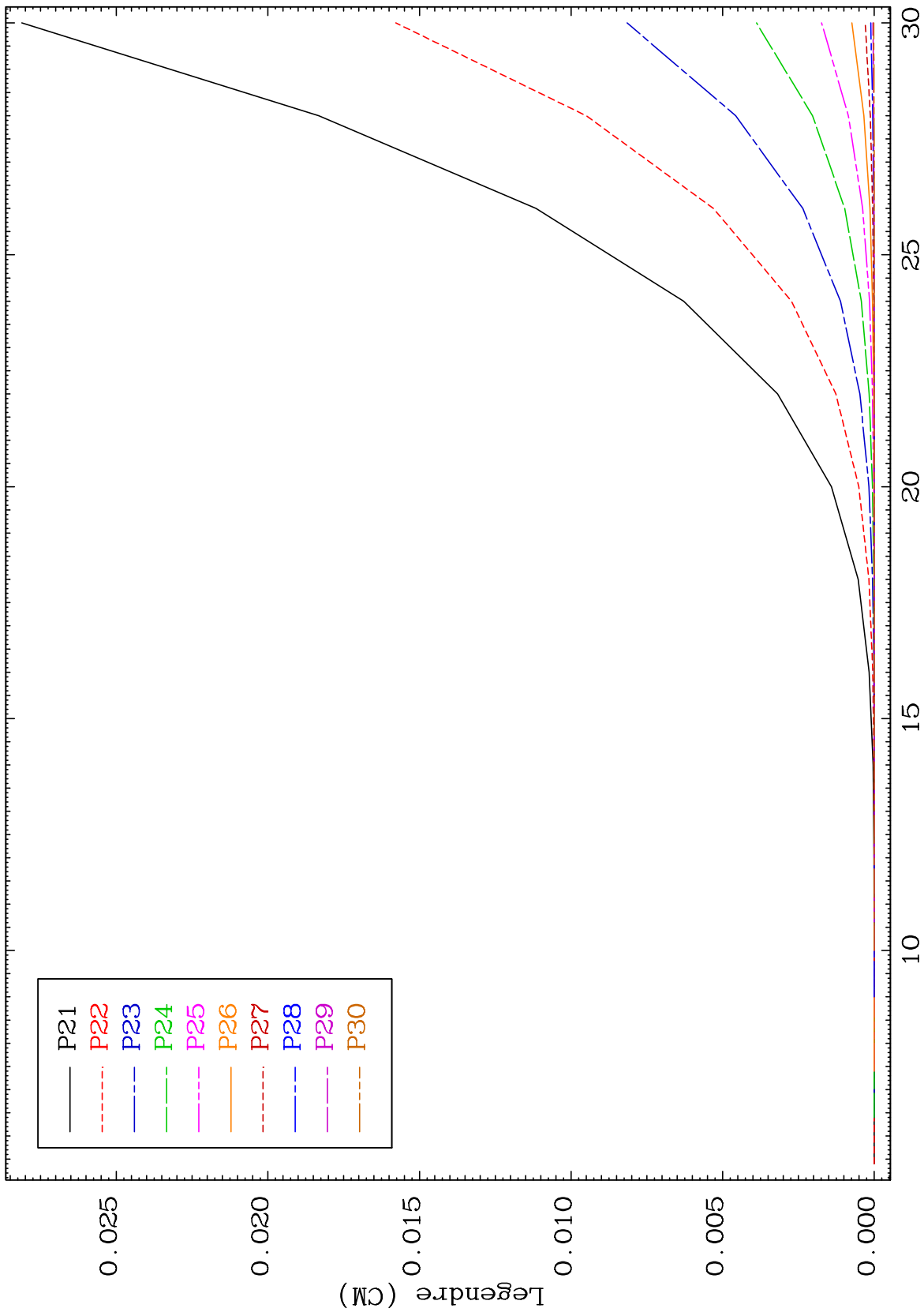
Incident Energy (MeV)

94-Pu-242

MAT 9446

Elastic Legendre Coefficients

94-Pu-242



20

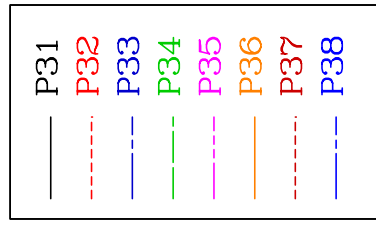
Incident Energy (MeV)

94-Pu-242

MAT 9446

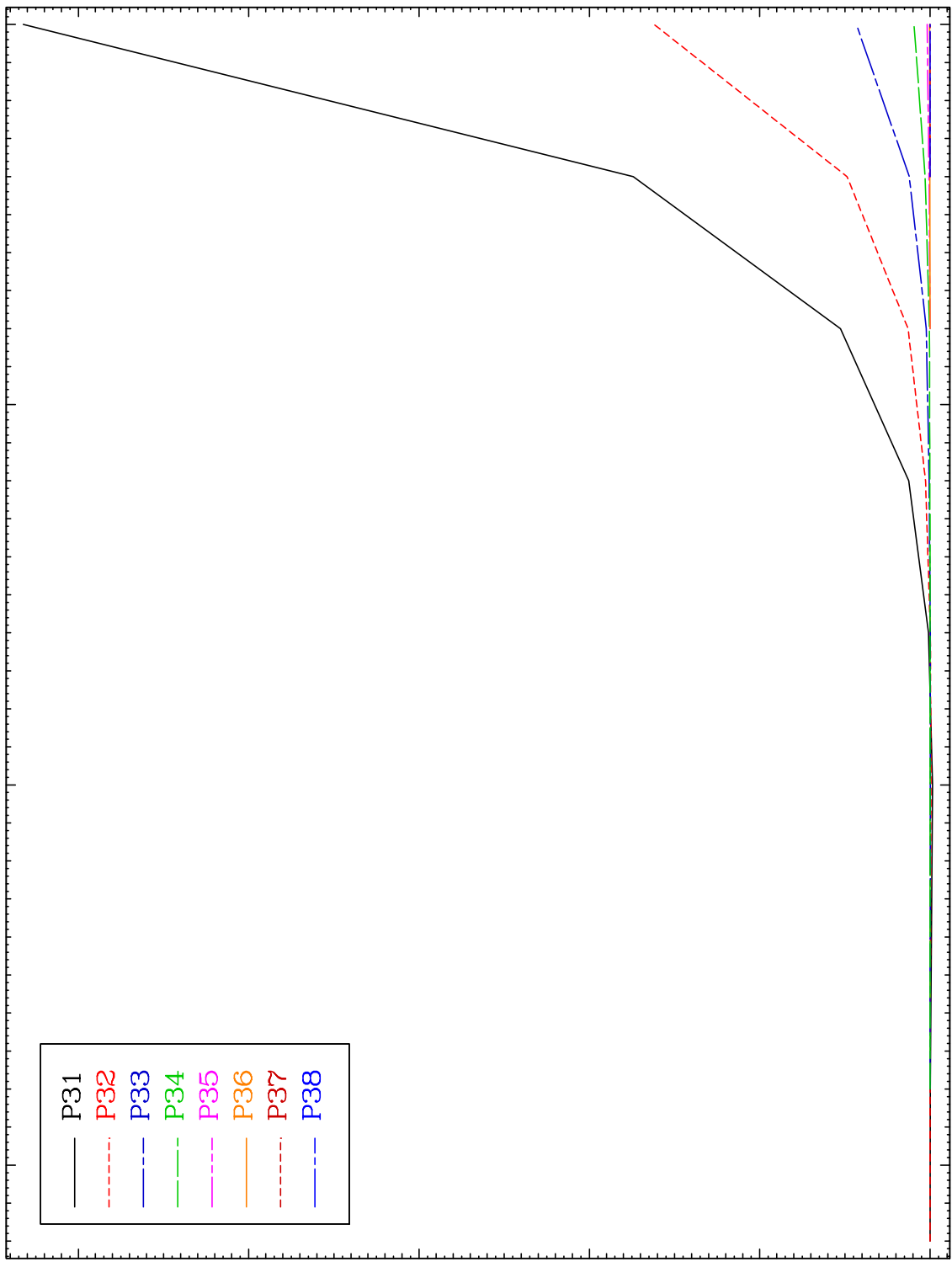
Elastic Legendre Coefficients

94-Pu-242



$\times 10^{-6}$

Legendre (CM)



21

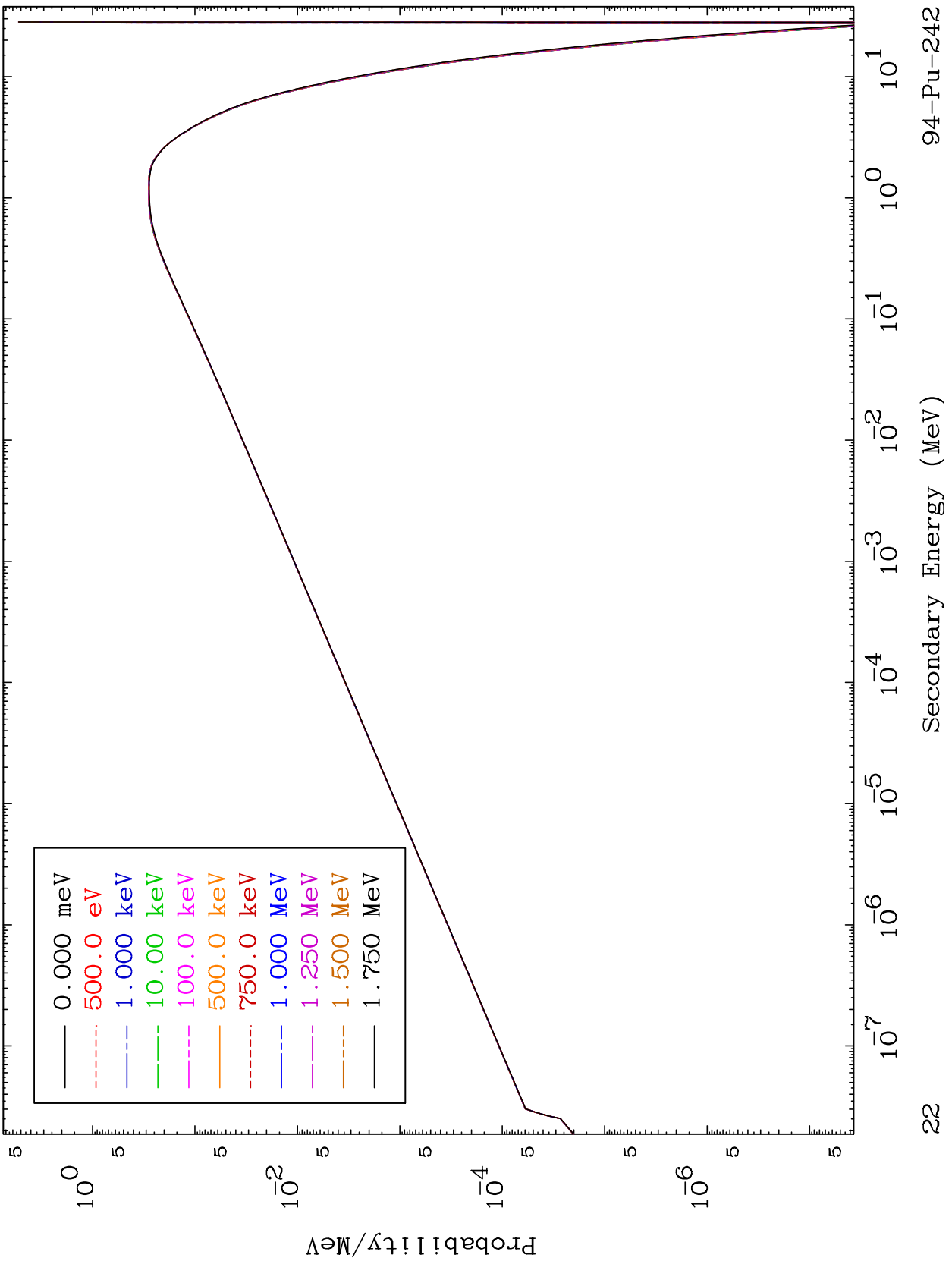
Incident Energy (MeV)

94-Pu-242

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Fission Energy Distribution

94-Pu-242

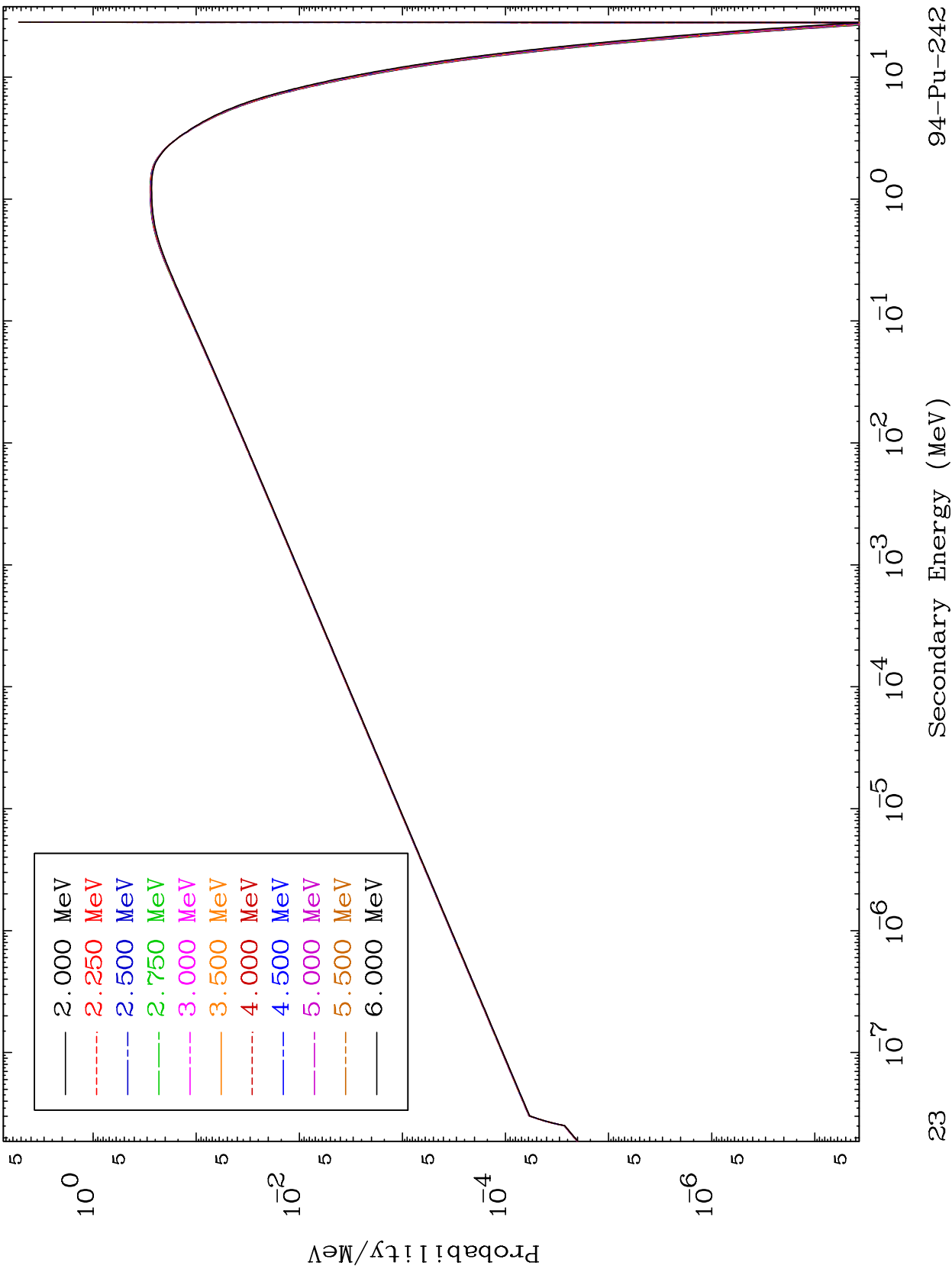


94-Pu-242

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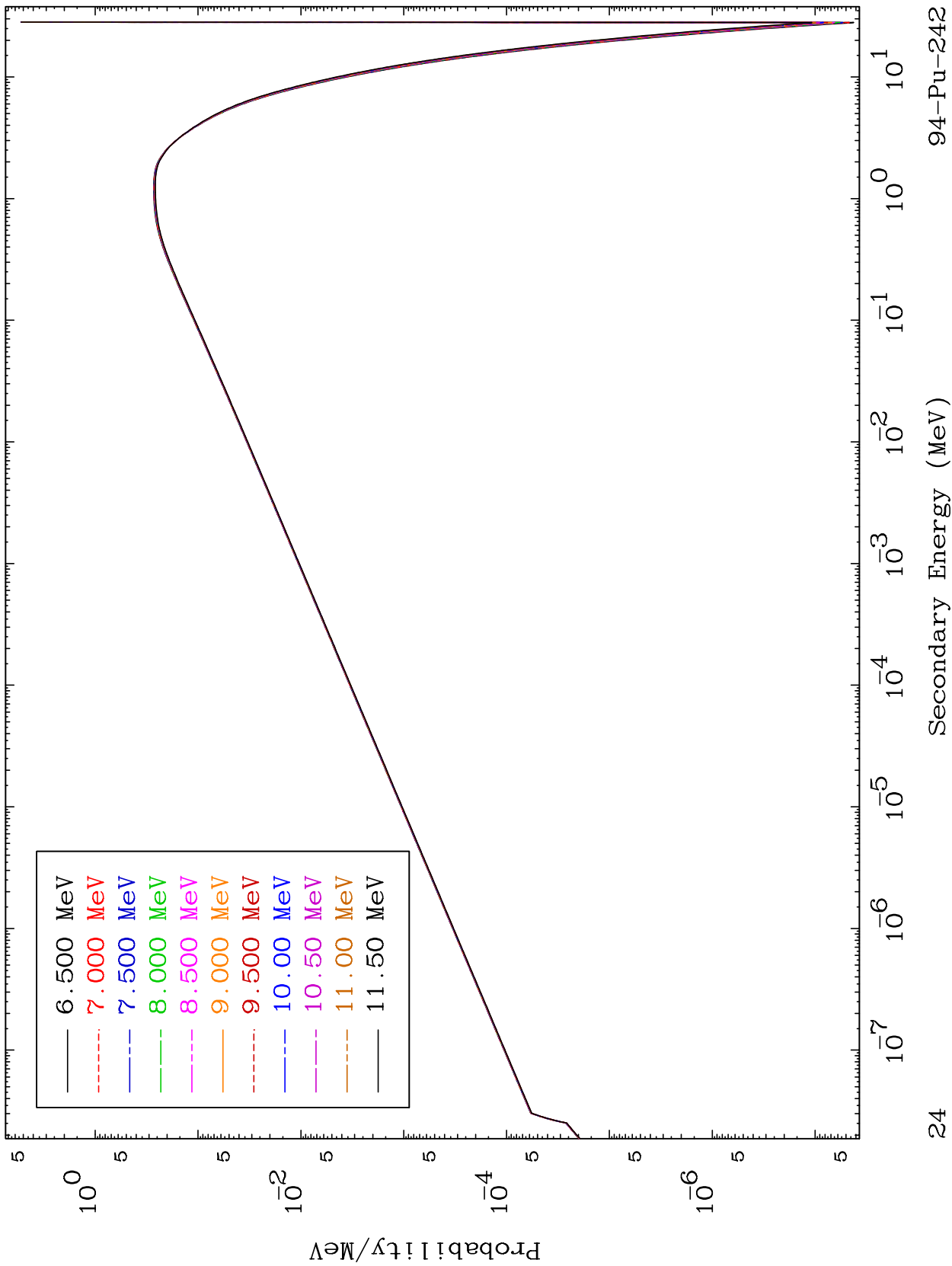
Fission Energy Distribution

94-Pu-242



94-Pu-242

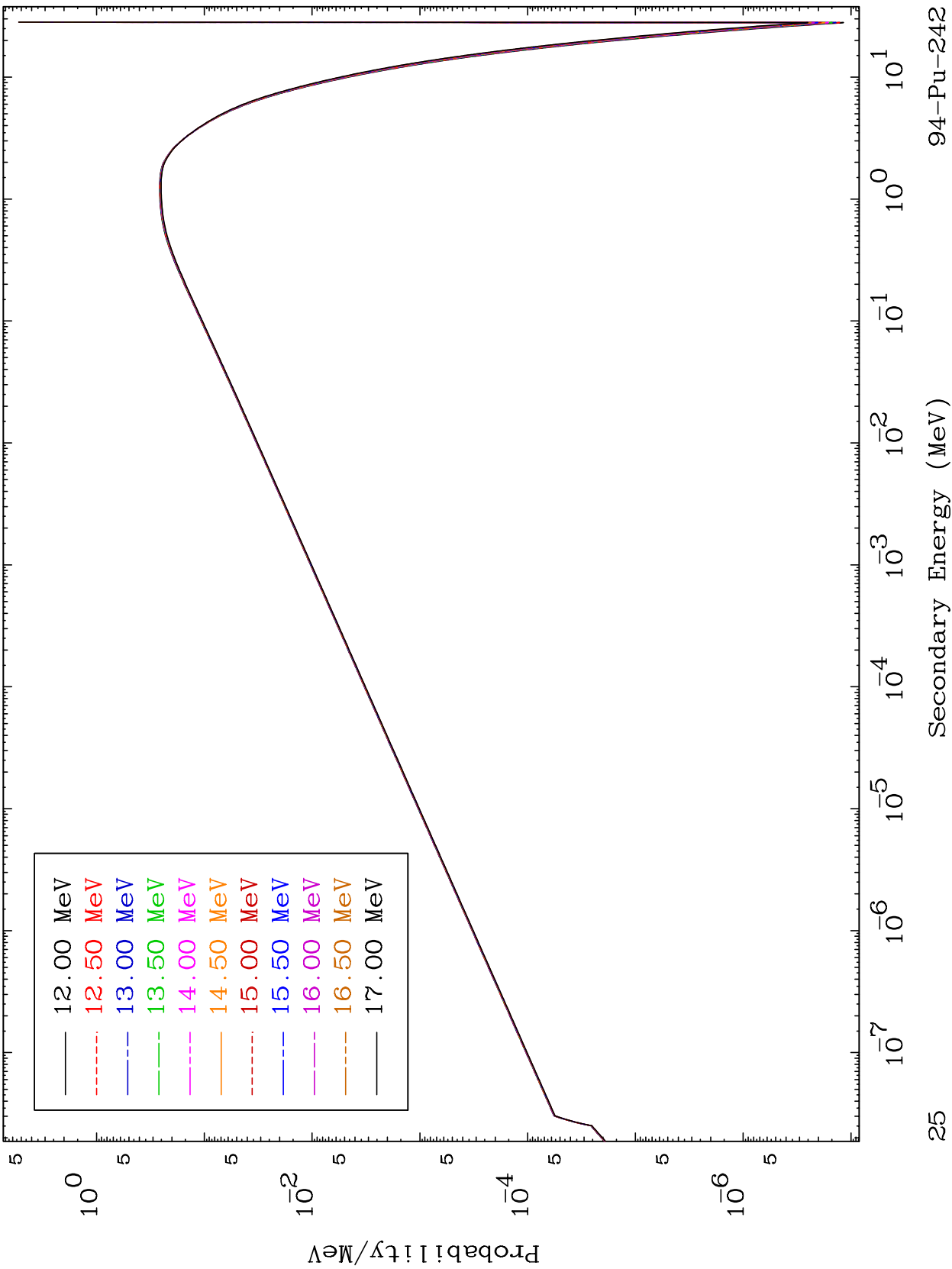
Fission
Energy Distribution



MAT 9446

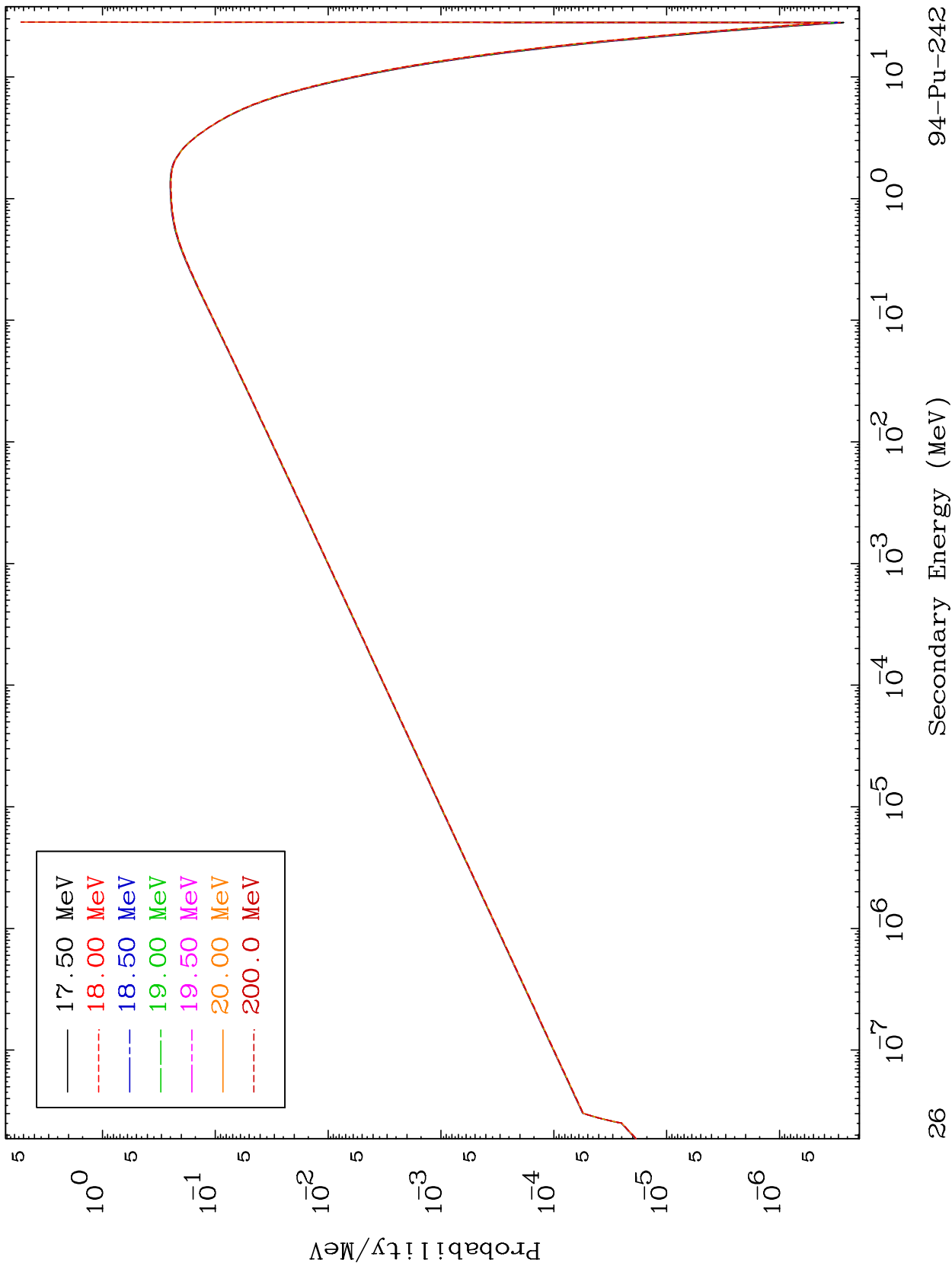
Fission Energy Distribution

94-Pu-242



94-Pu-242

Fission
Energy Distribution

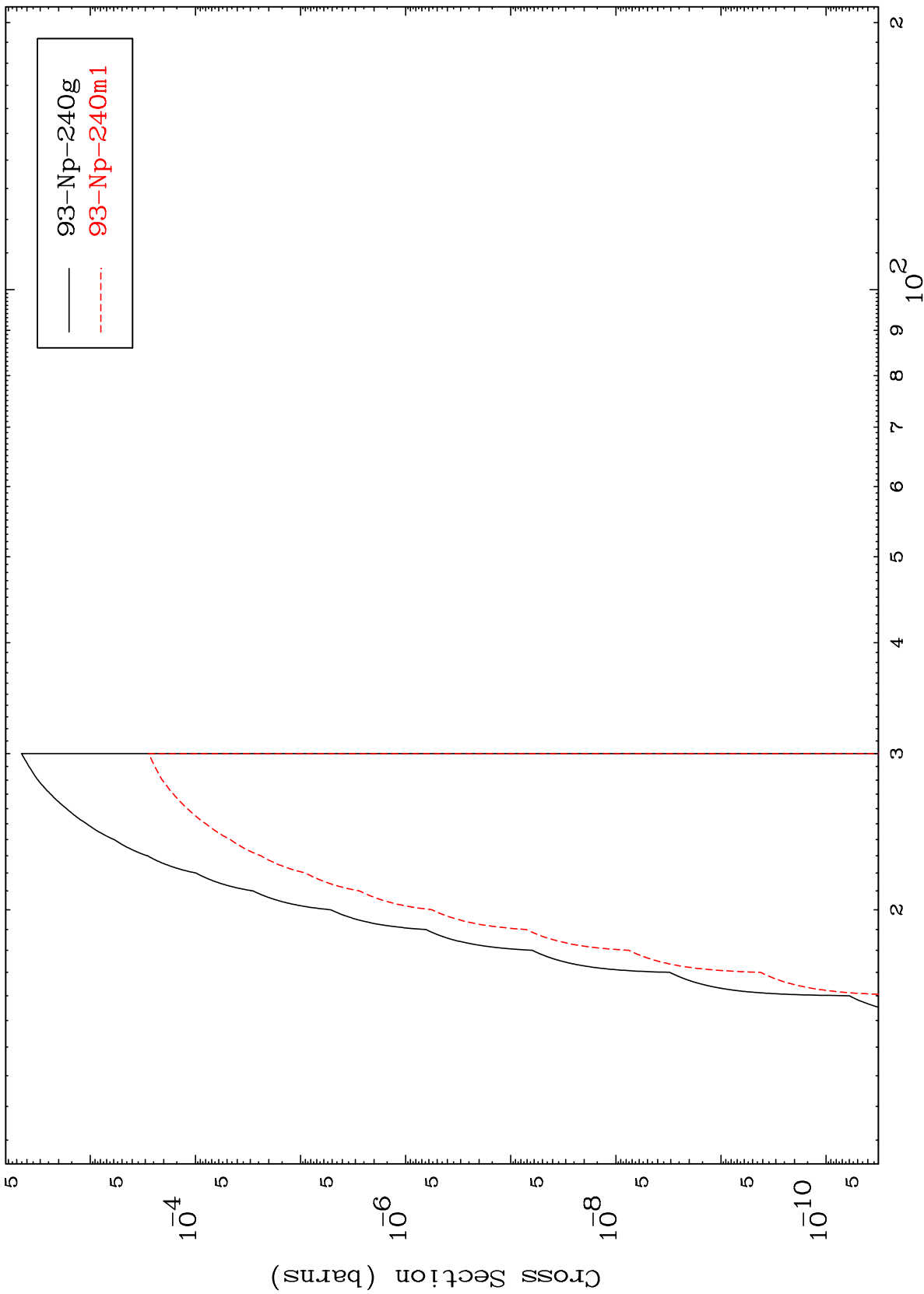


MAT 9446

(n,n') d

94-Pu-242

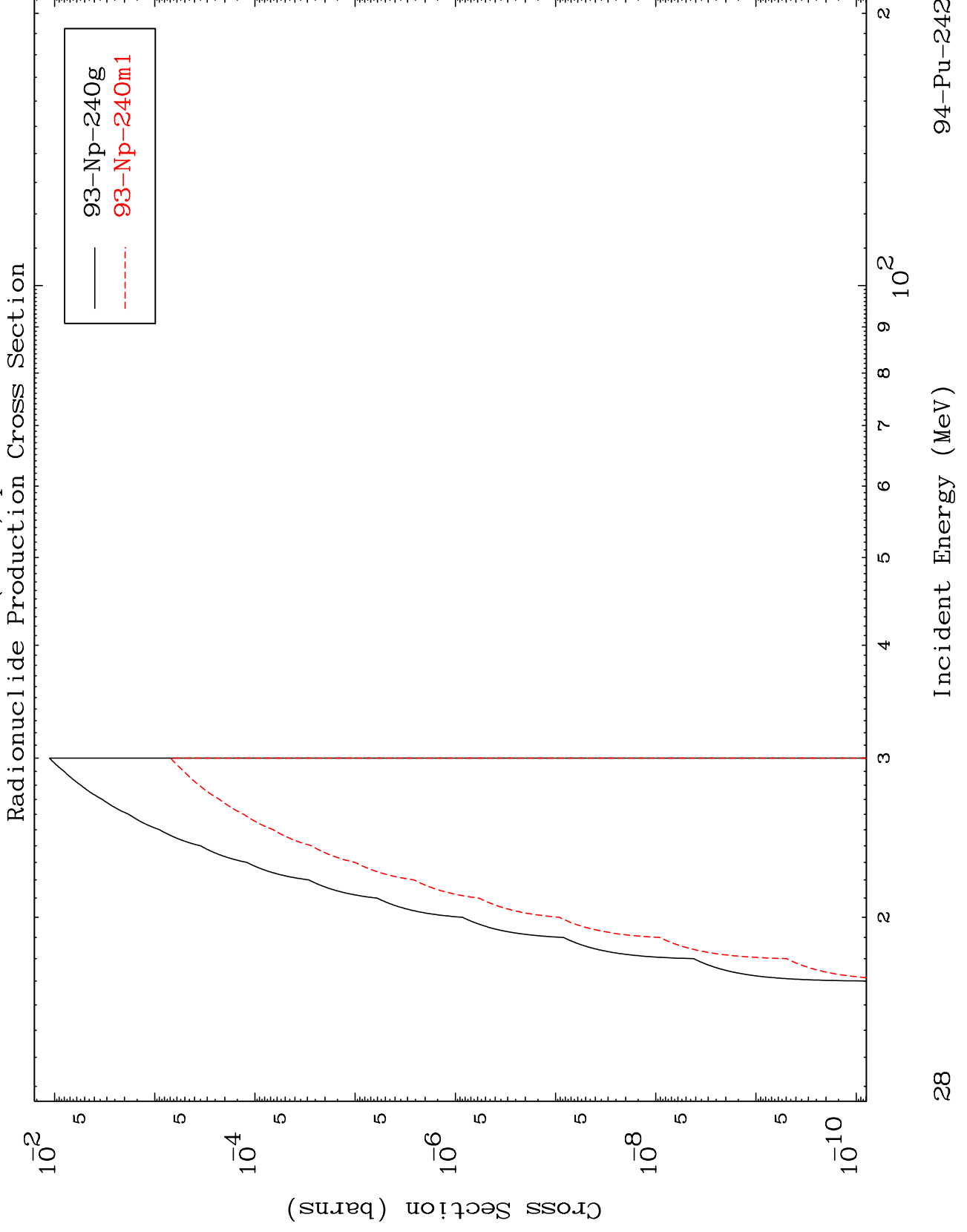
Radionuclide Production Cross Section



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(n,2n) p

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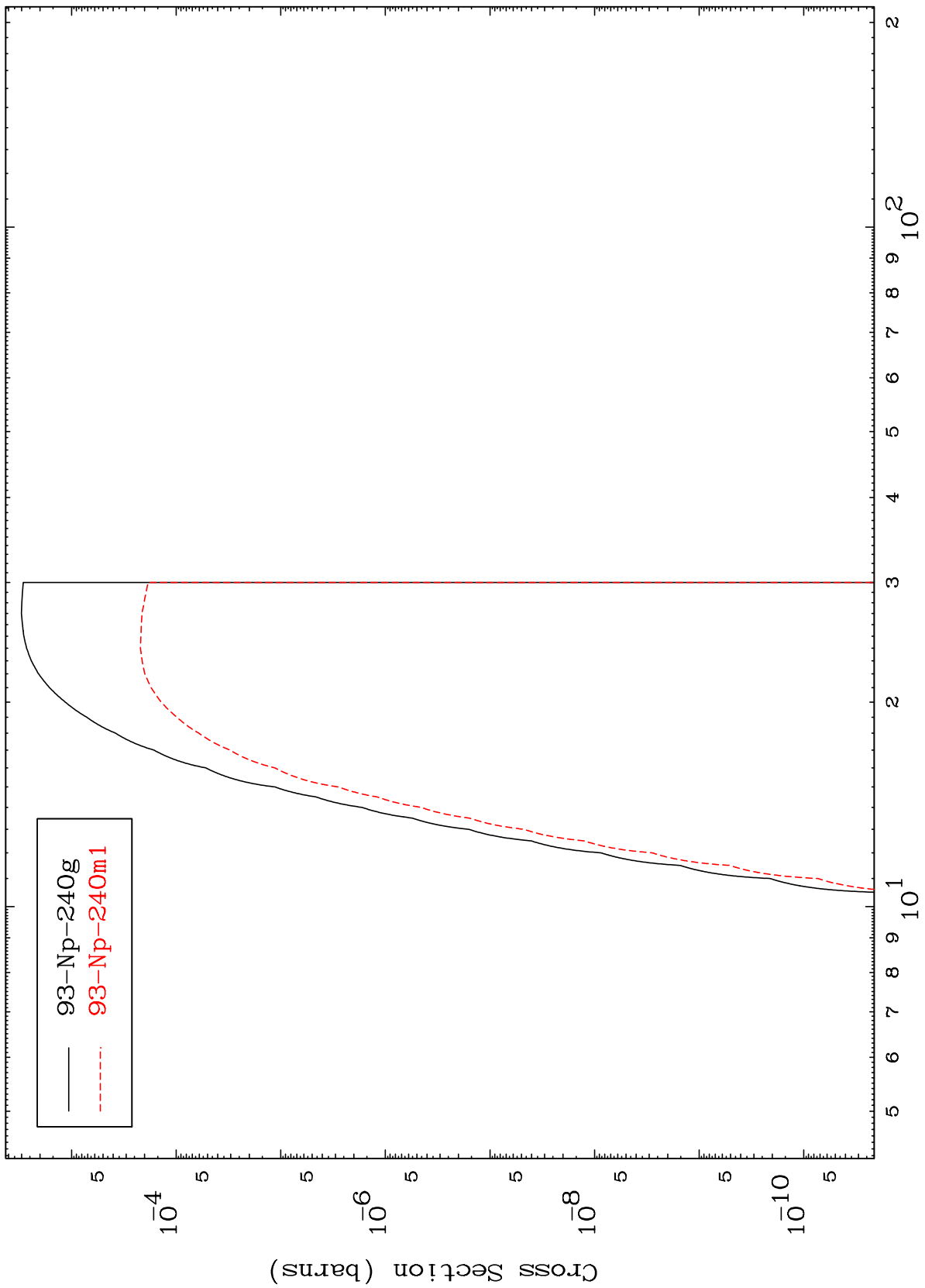
28

94-Pu-242

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94-Pu-242

Radionuclide Production Cross Section (n, t)



Legend:
— $^{93}\text{Np-240g}$
- - - $^{93}\text{Np-240m1}$

30

Incident Energy (MeV)

94-Pu-242