

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

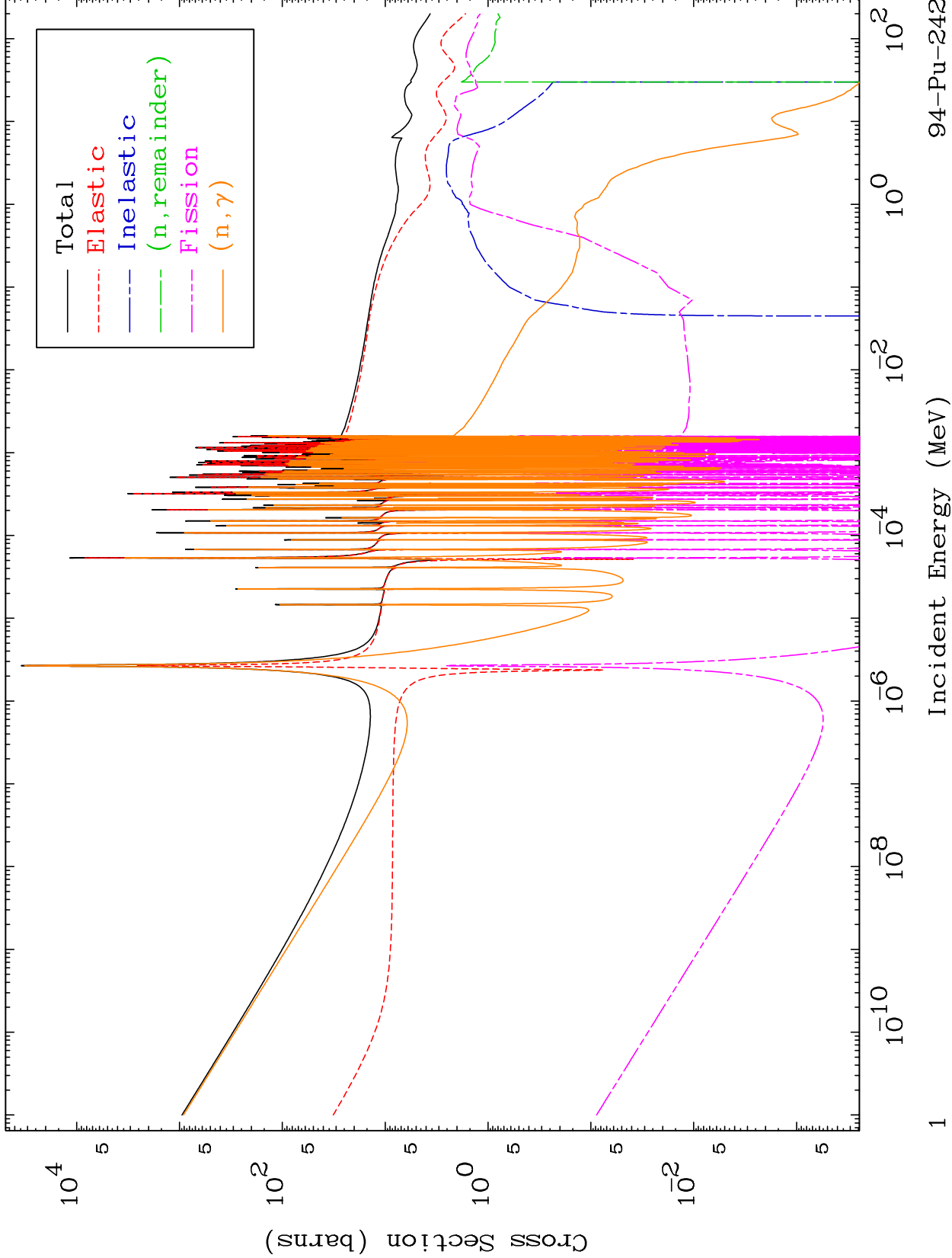
Press Mouse Button to Start

MAT 9446

Major

293 Kelvin Cross Sections

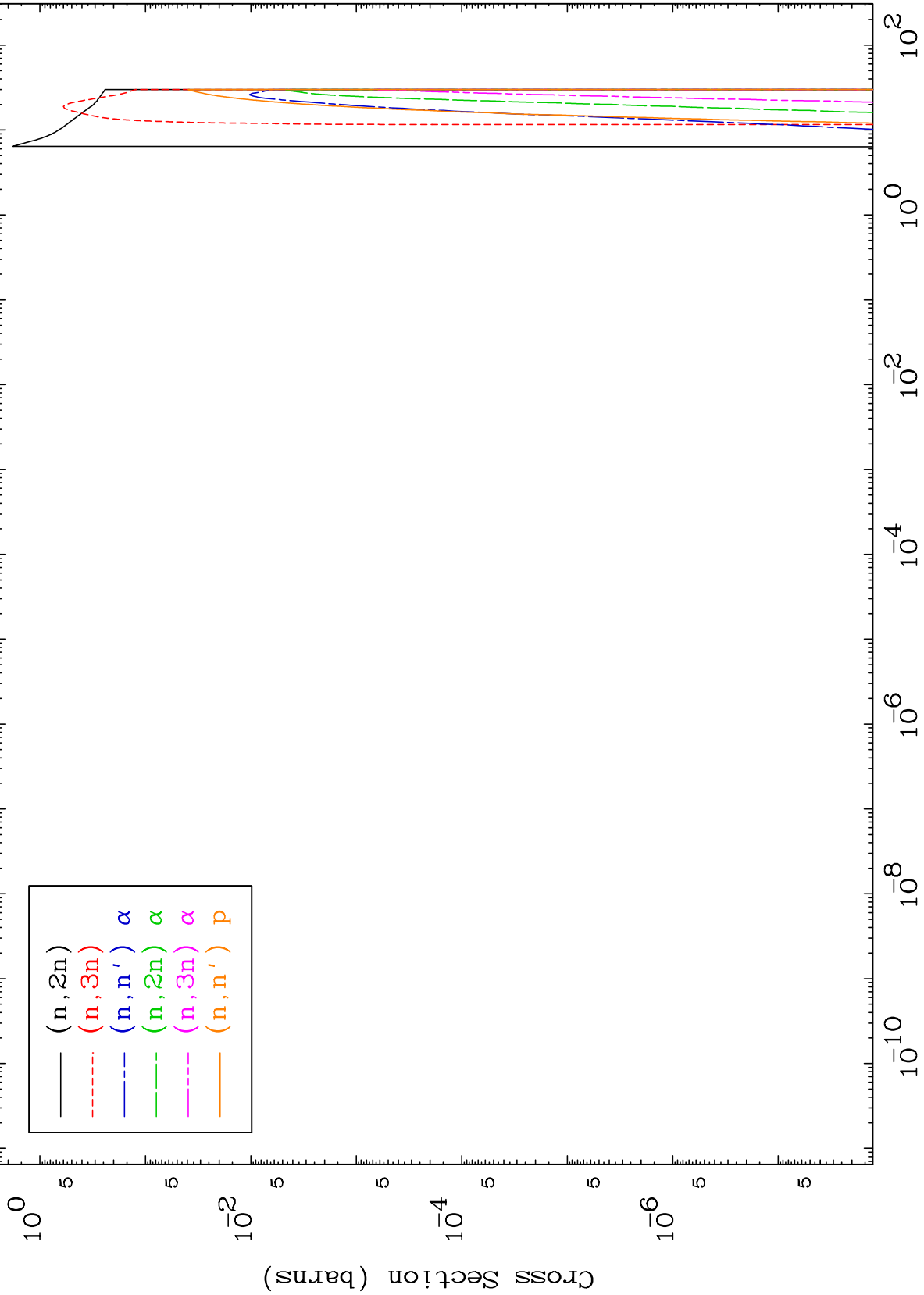
94-Pu-242



MAT 9446

Neutron Production
293 Kelvin Cross Sections

94-Pu-242

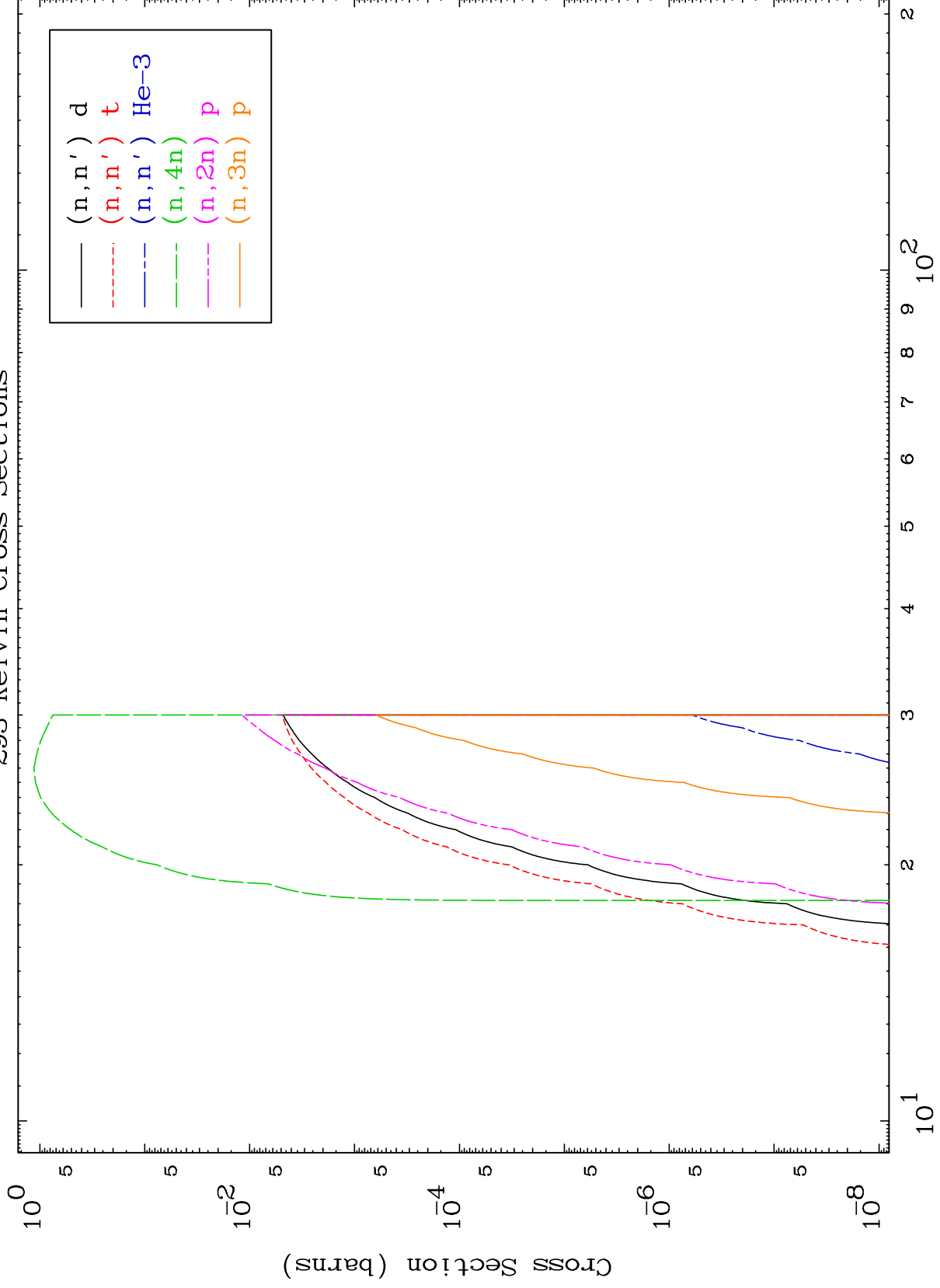


94-Pu-242

MAT 9446

Neutron Production
293 Kelvin Cross Sections

94-Pu-242



Incident Energy (MeV)

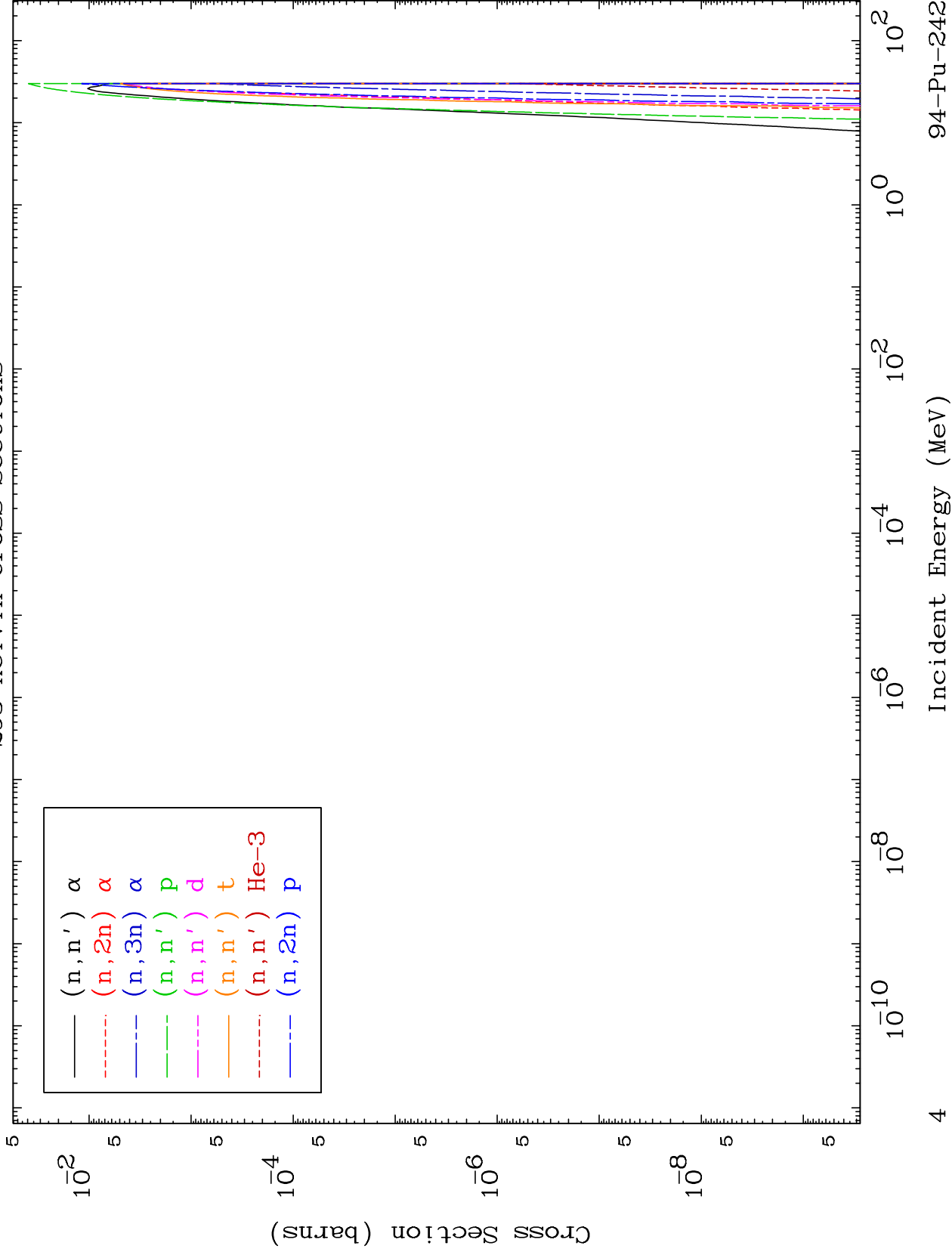
94-Pu-242

3

MAT 9446

Charged Particle
293 Kelvin Cross Sections

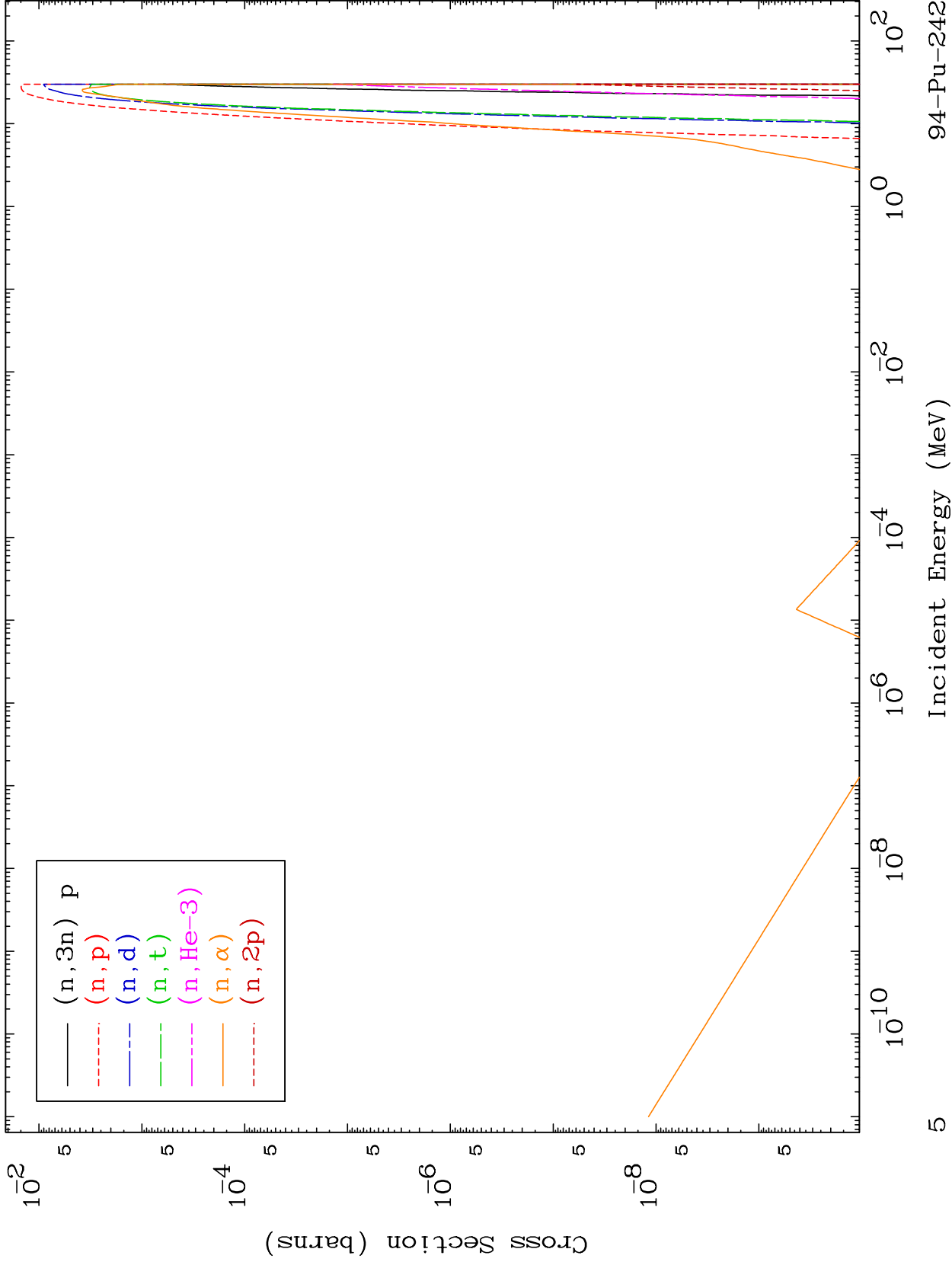
94-Pu-242



MAT 9446

Charged Particle
293 Kelvin Cross Sections

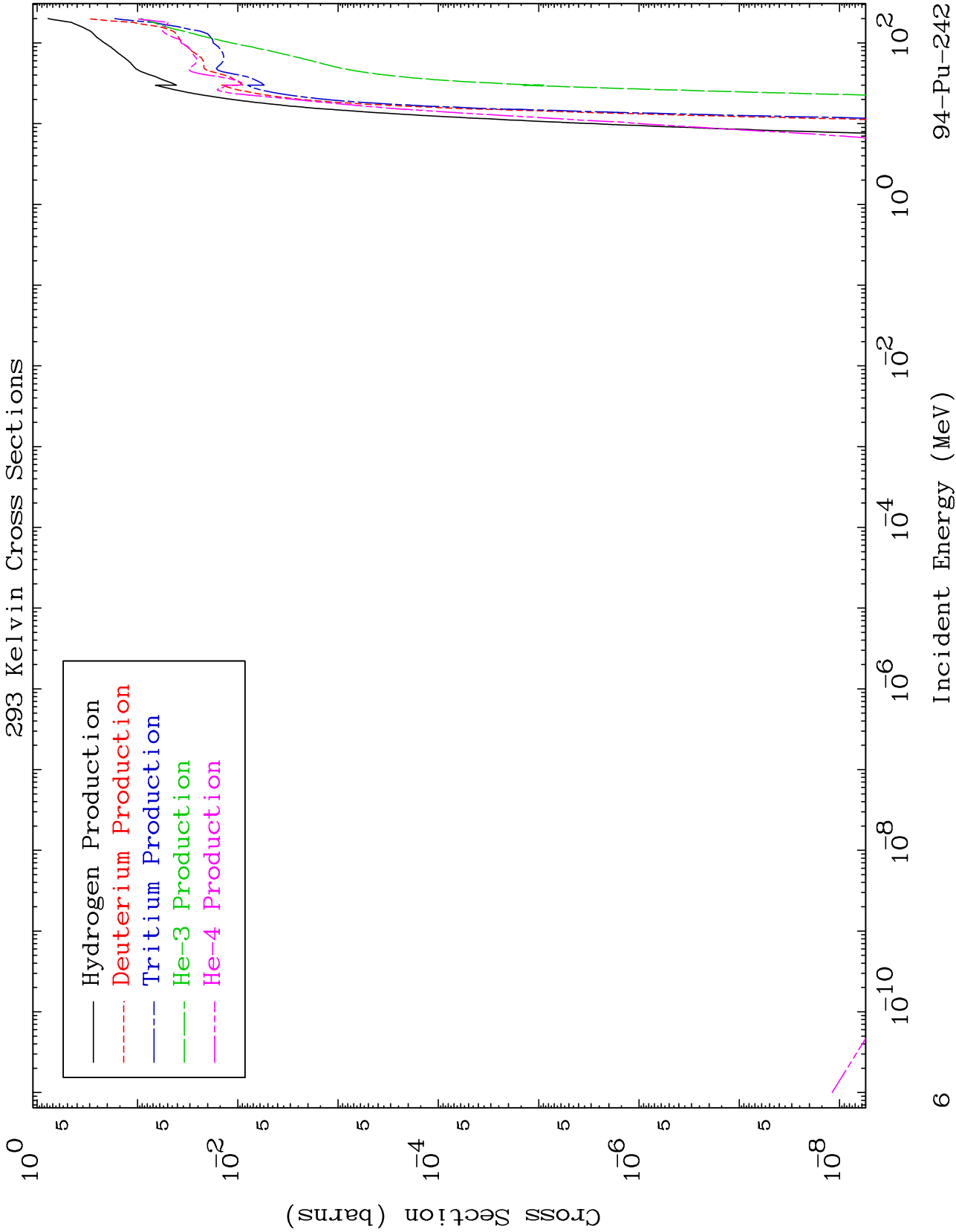
94-Pu-242



MAT 9446

Particle Production
293 Kelvin Cross Sections

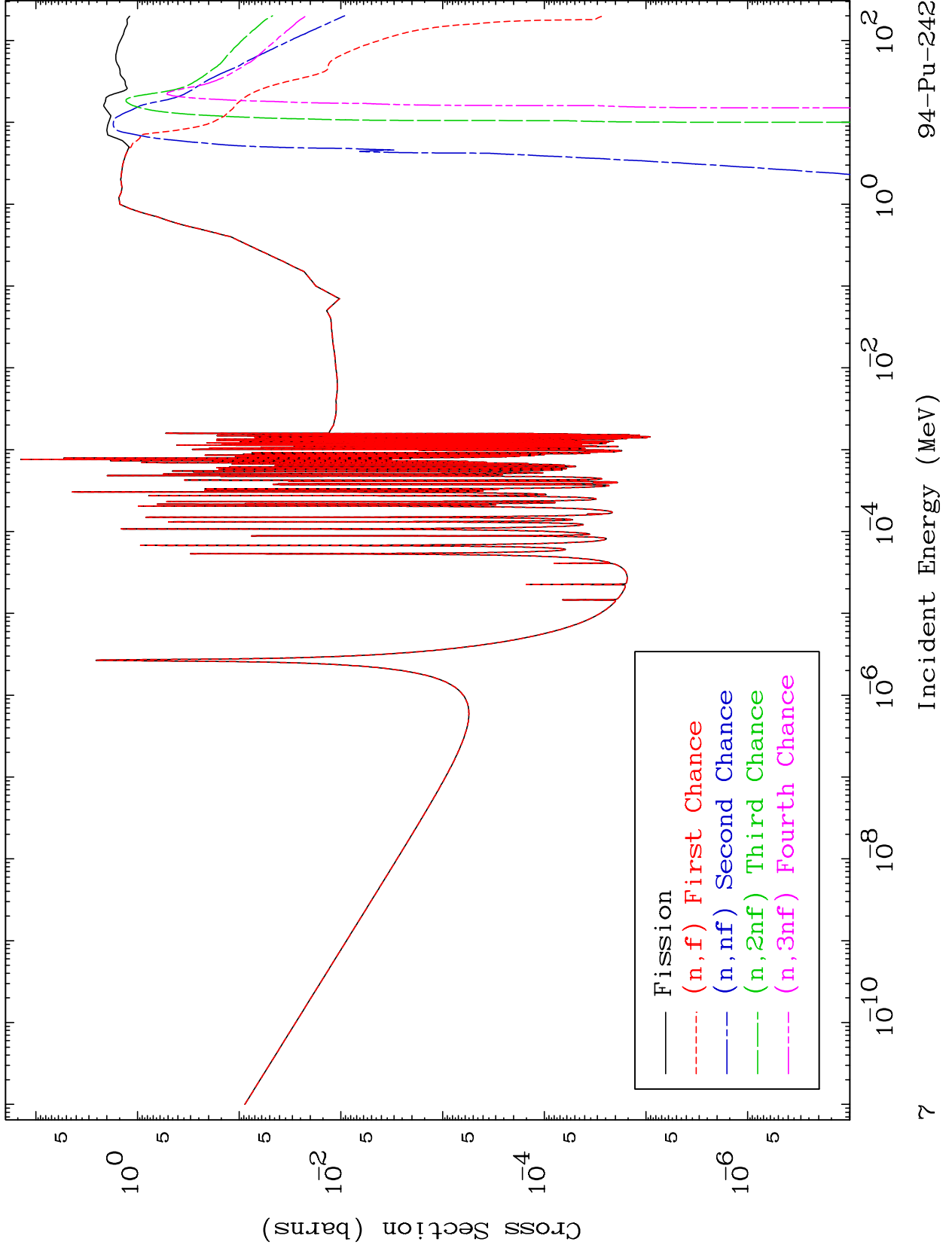
94-Pu-242



MAT 9446

Fission
293 Kelvin Cross Sections

94-Pu-242

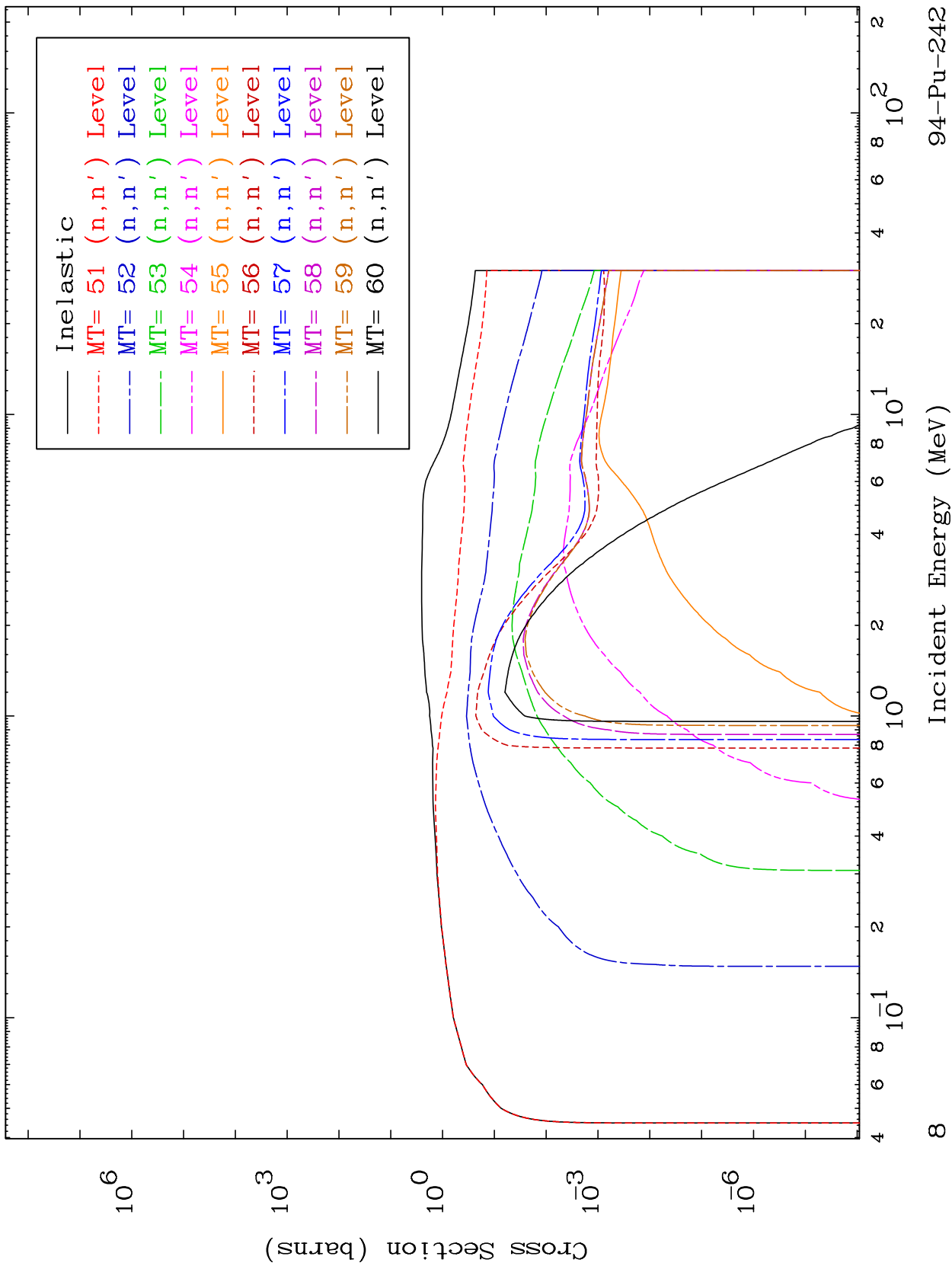


MAT 9446

(n,n') Level

94-Pu-242

293 Kelvin Cross Sections

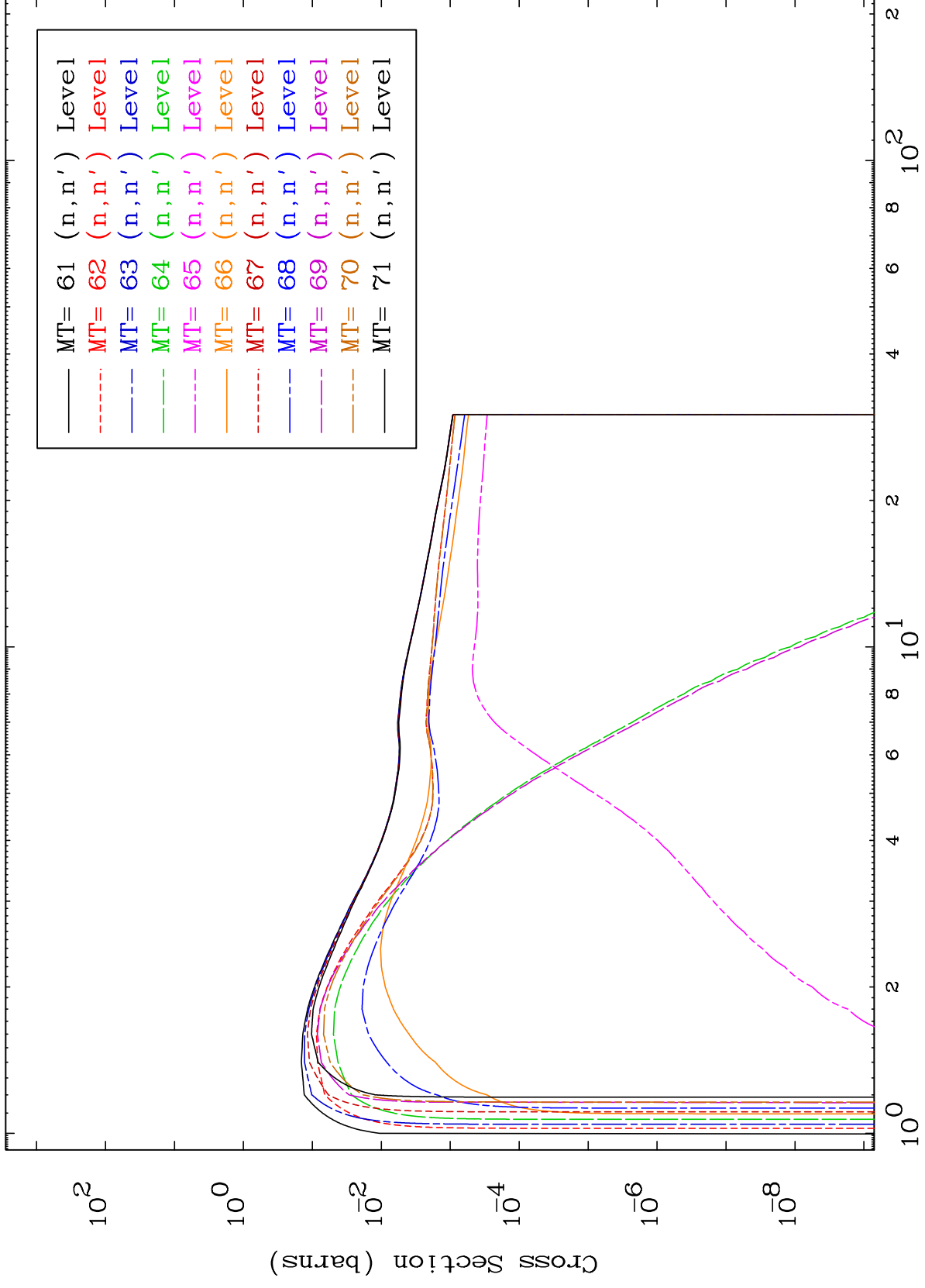


MAT 9446

(n,n') Level

94-Pu-242

293 Kelvin Cross Sections



Incident Energy (MeV)

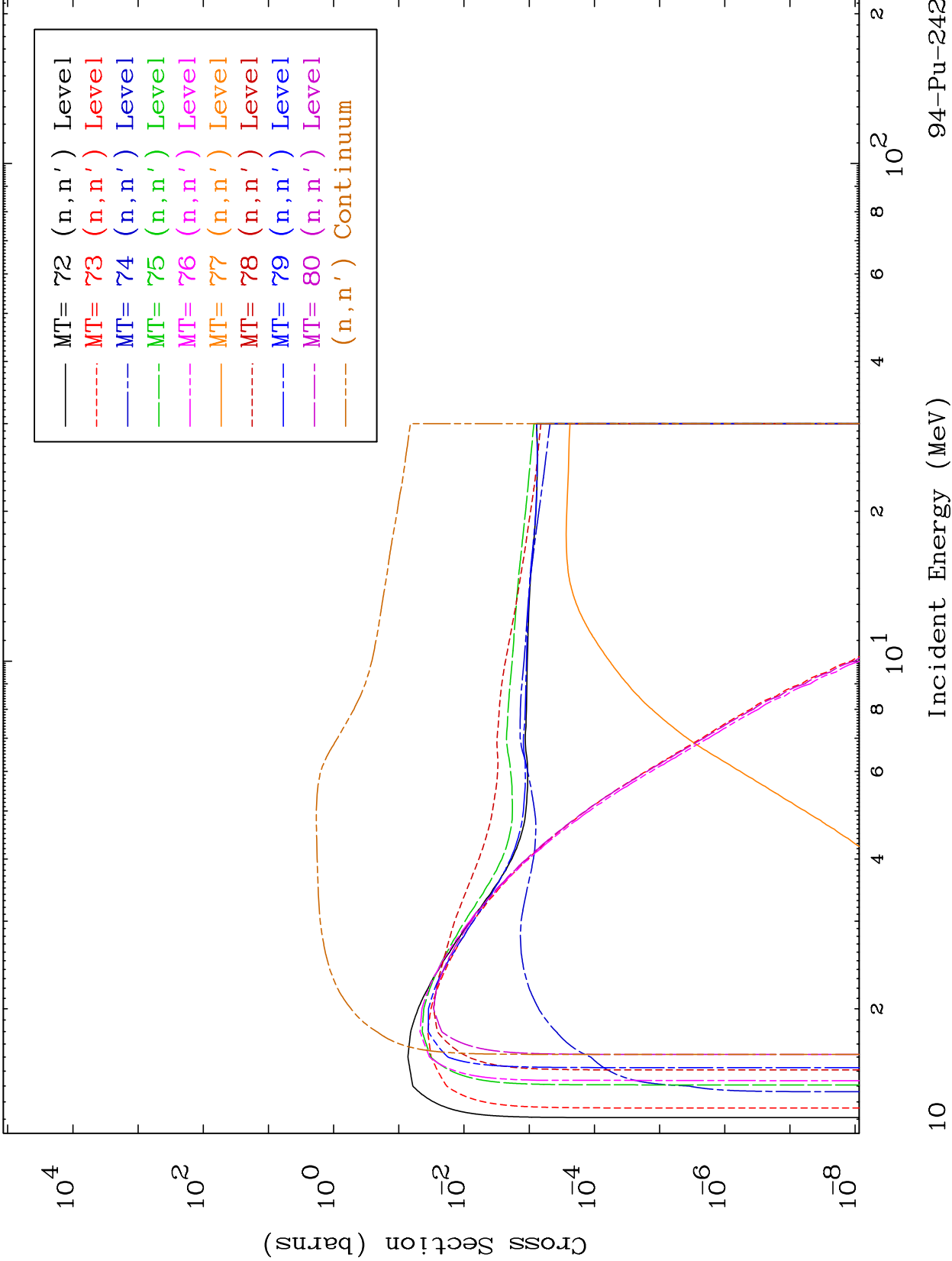
94-Pu-242

MAT 9446

(n,n') Level

94-Pu-242

293 Kelvin Cross Sections



10

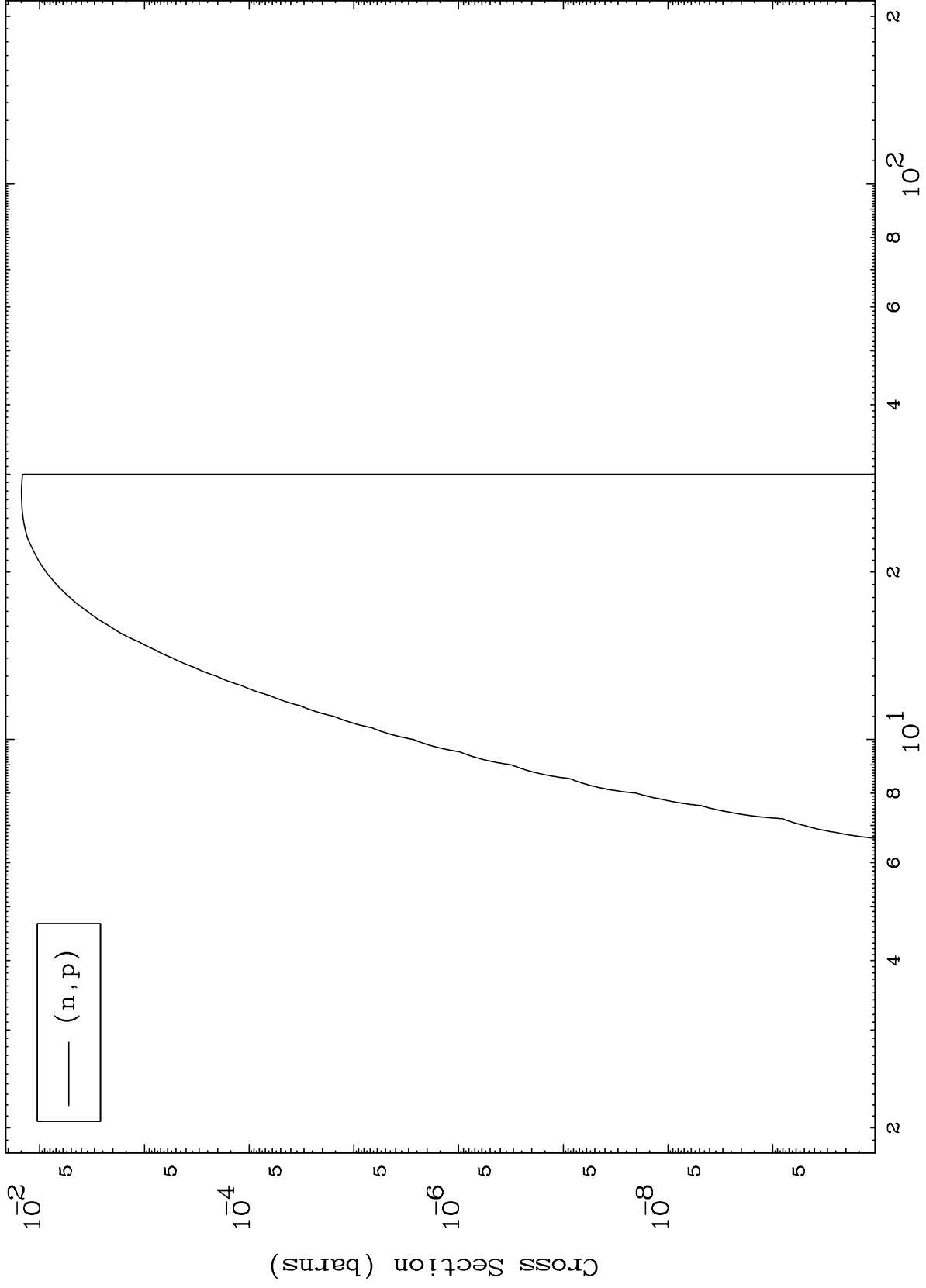
Incident Energy (MeV)

94-Pu-242

MAT 9446

(n,p) Levels
293 Kelvin Cross Sections

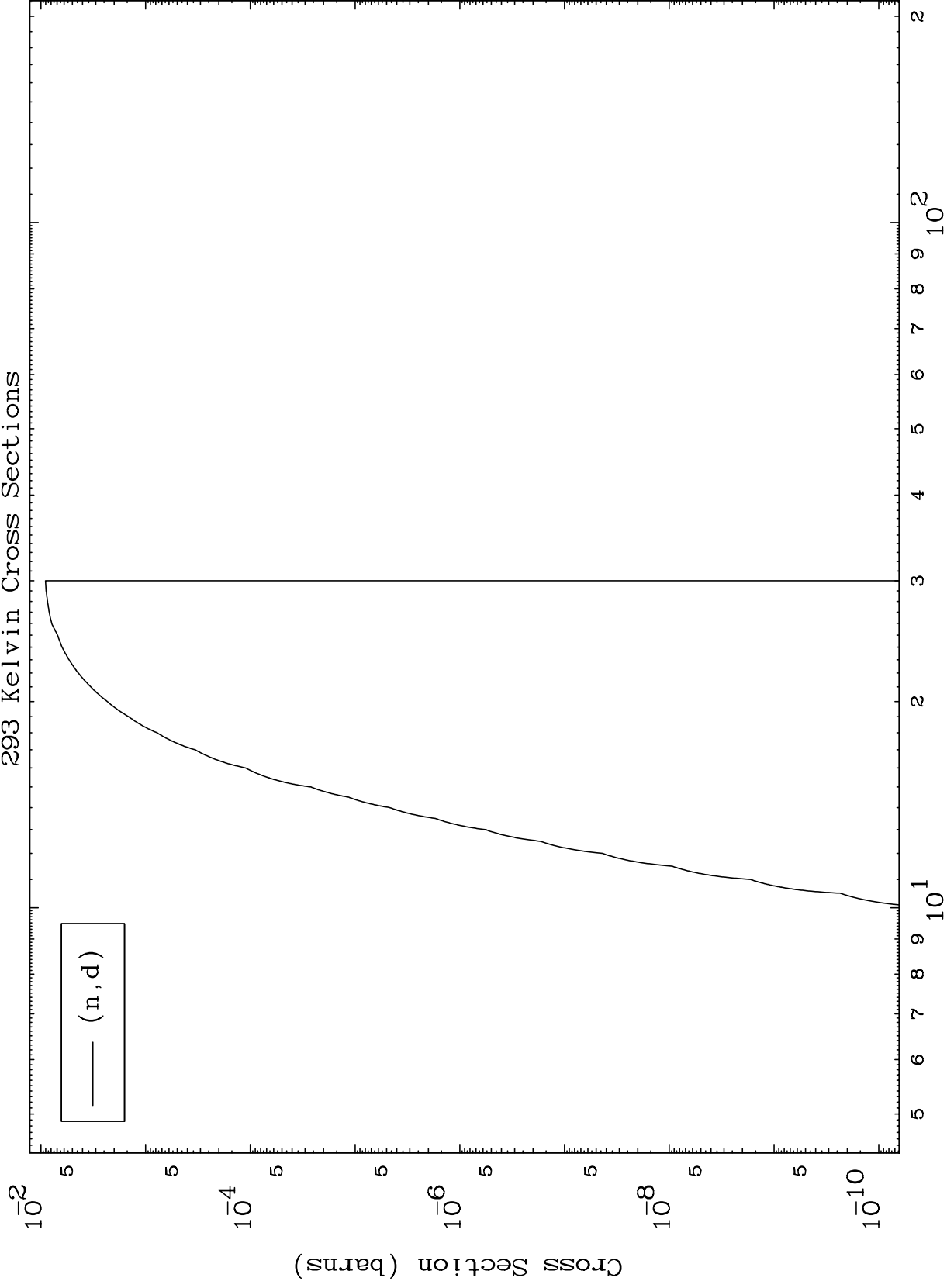
94-Pu-242



MAT 9446

(n,d) Levels
293 Kelvin Cross Sections

94-Pu-242



12

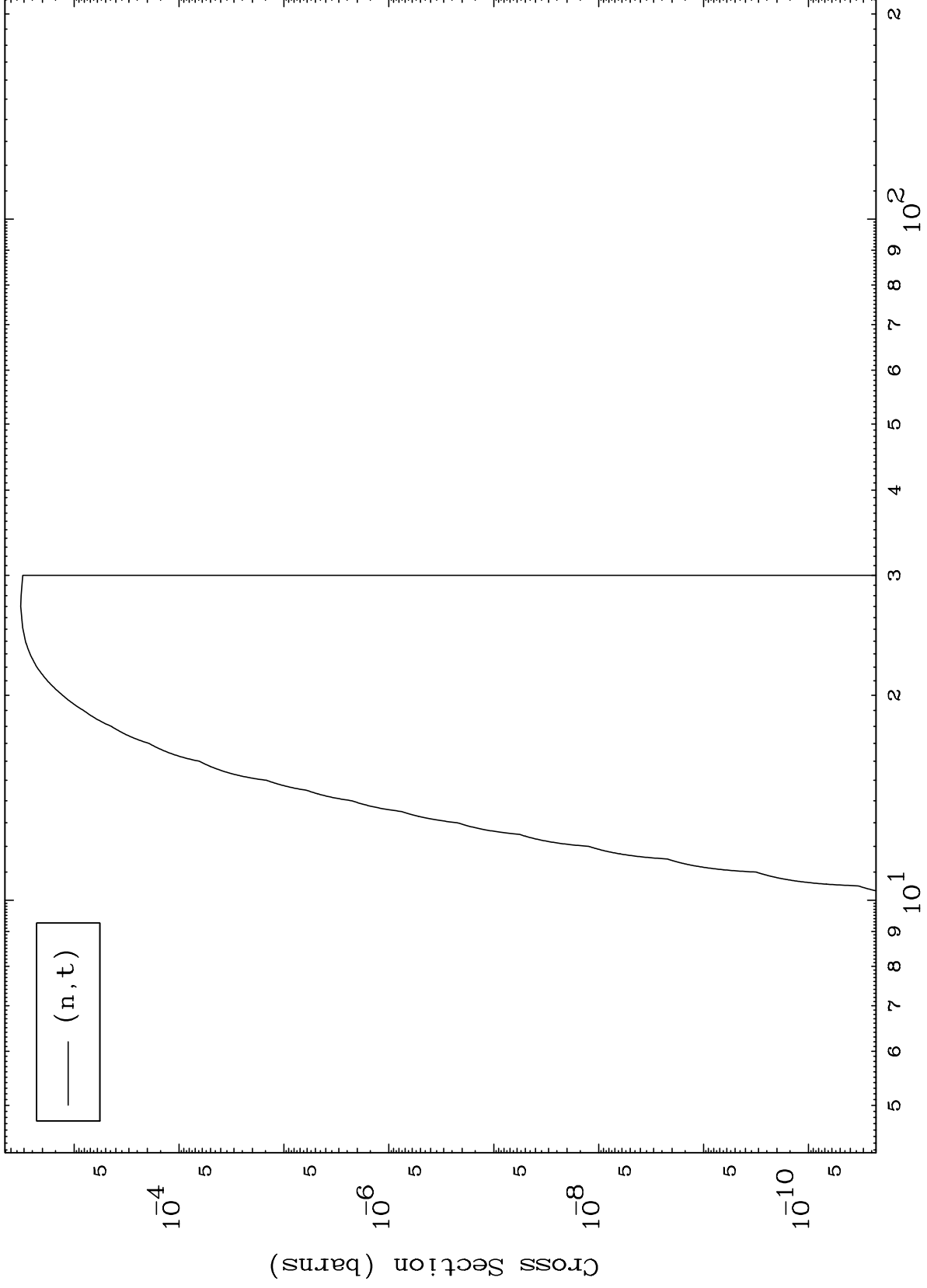
Incident Energy (MeV)

94-Pu-242

MAT 9446

(n,t) Levels
293 Kelvin Cross Sections

94-Pu-242



13

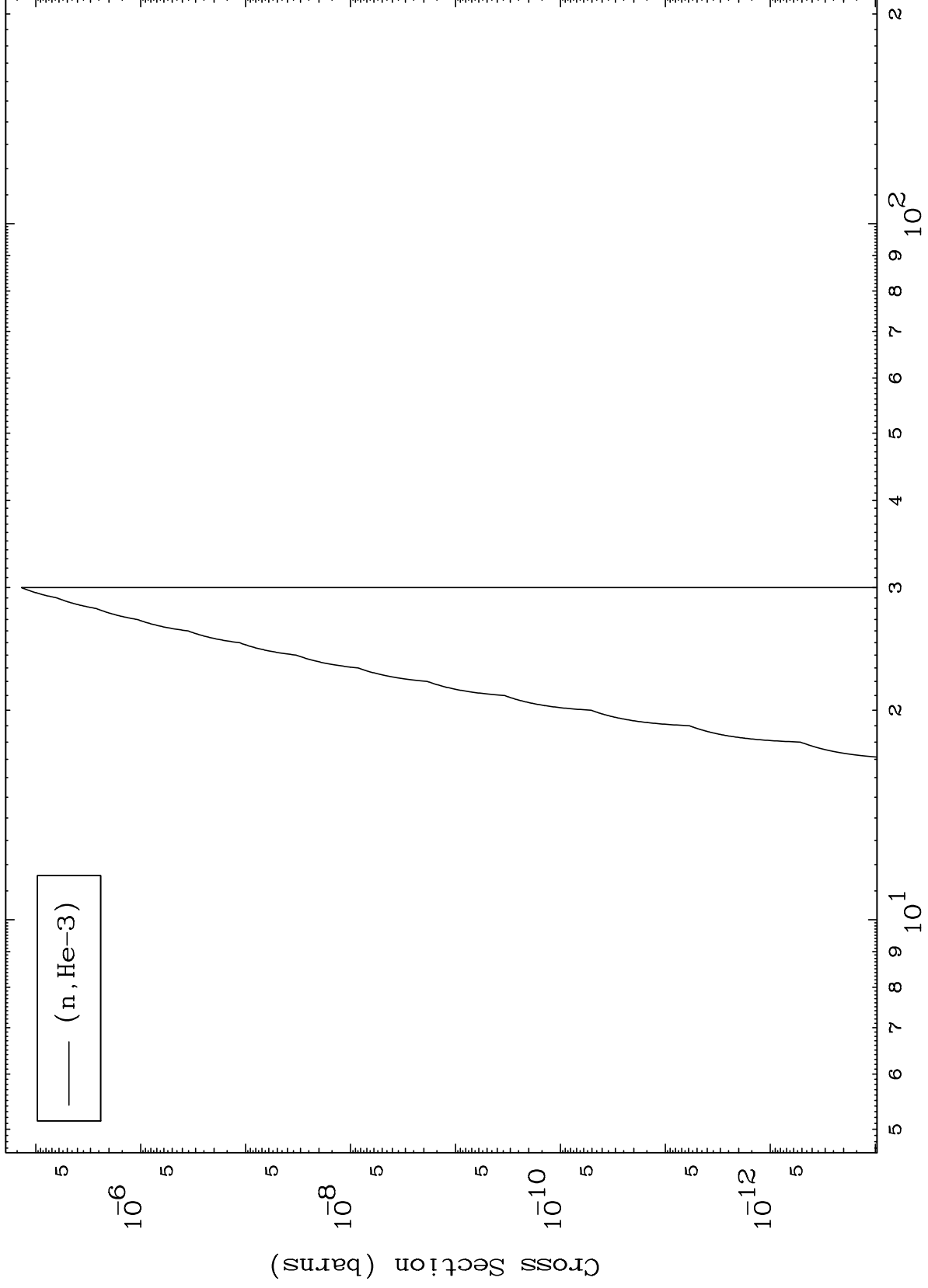
Incident Energy (MeV)

94-Pu-242

MAT 9446

(n,He3) Levels
293 Kelvin Cross Sections

94-Pu-242



14

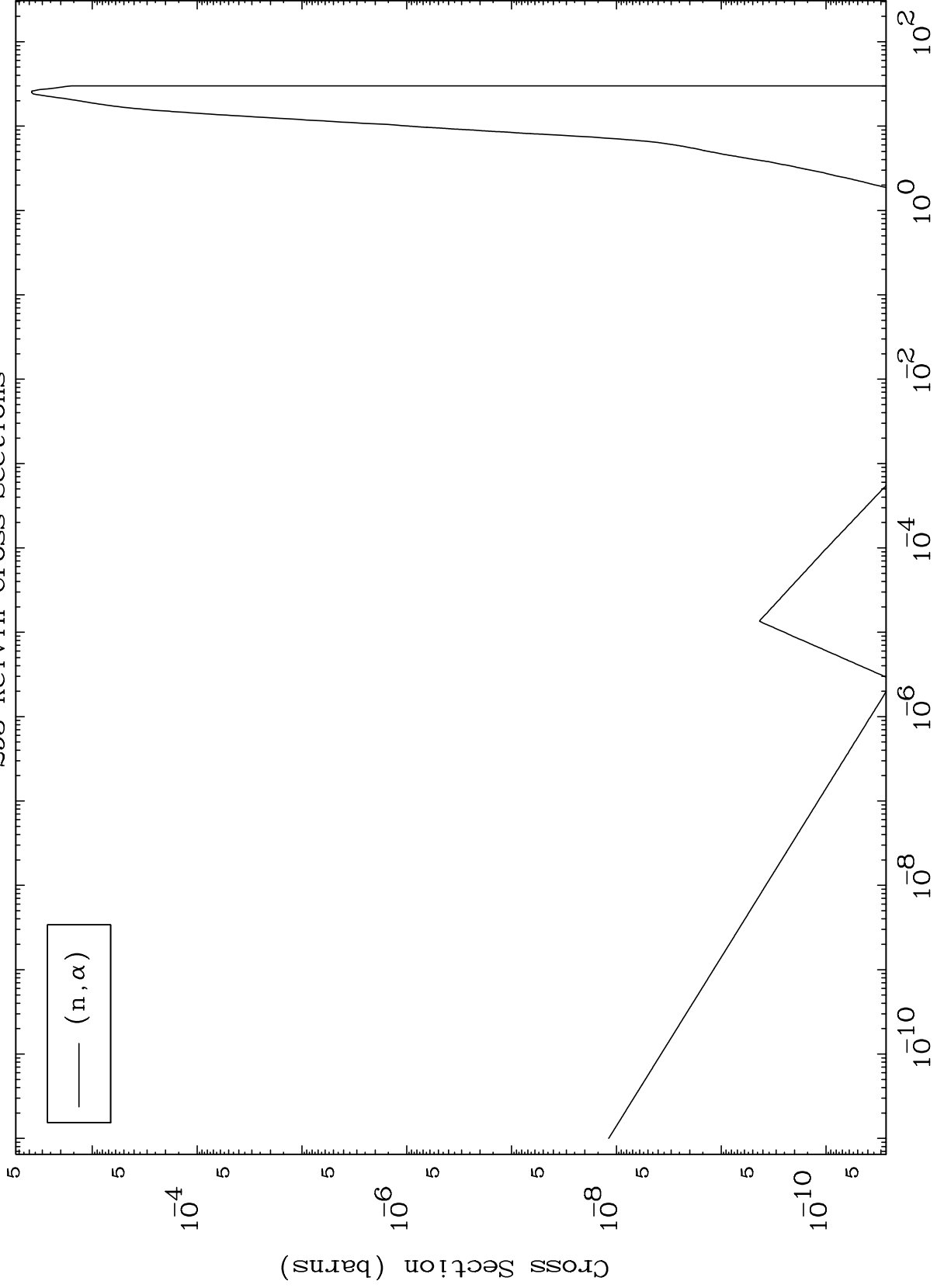
Incident Energy (MeV)

94-Pu-242

MAT 9446

(n, α) Levels
293 Kelvin Cross Sections

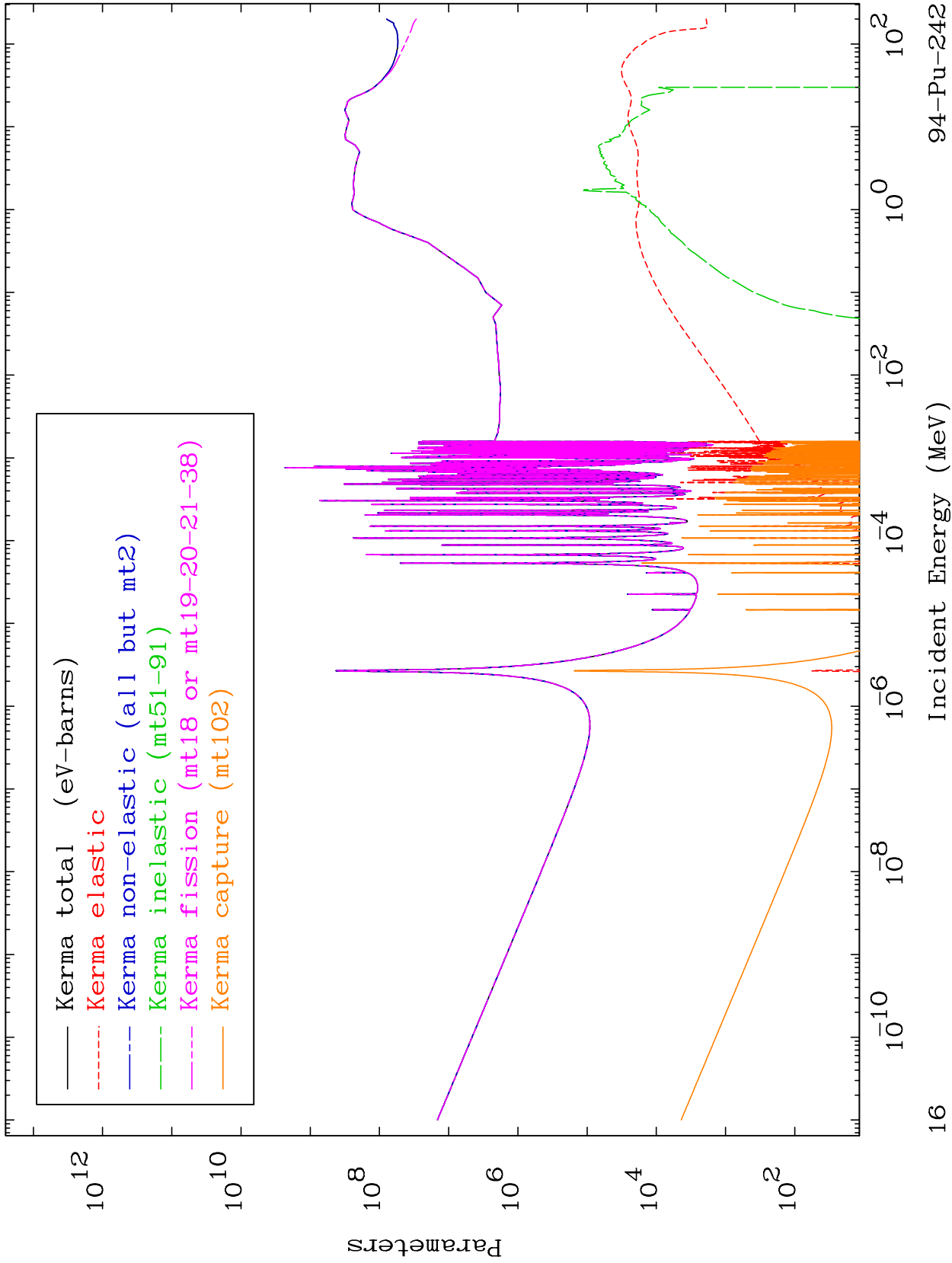
94-Pu-242

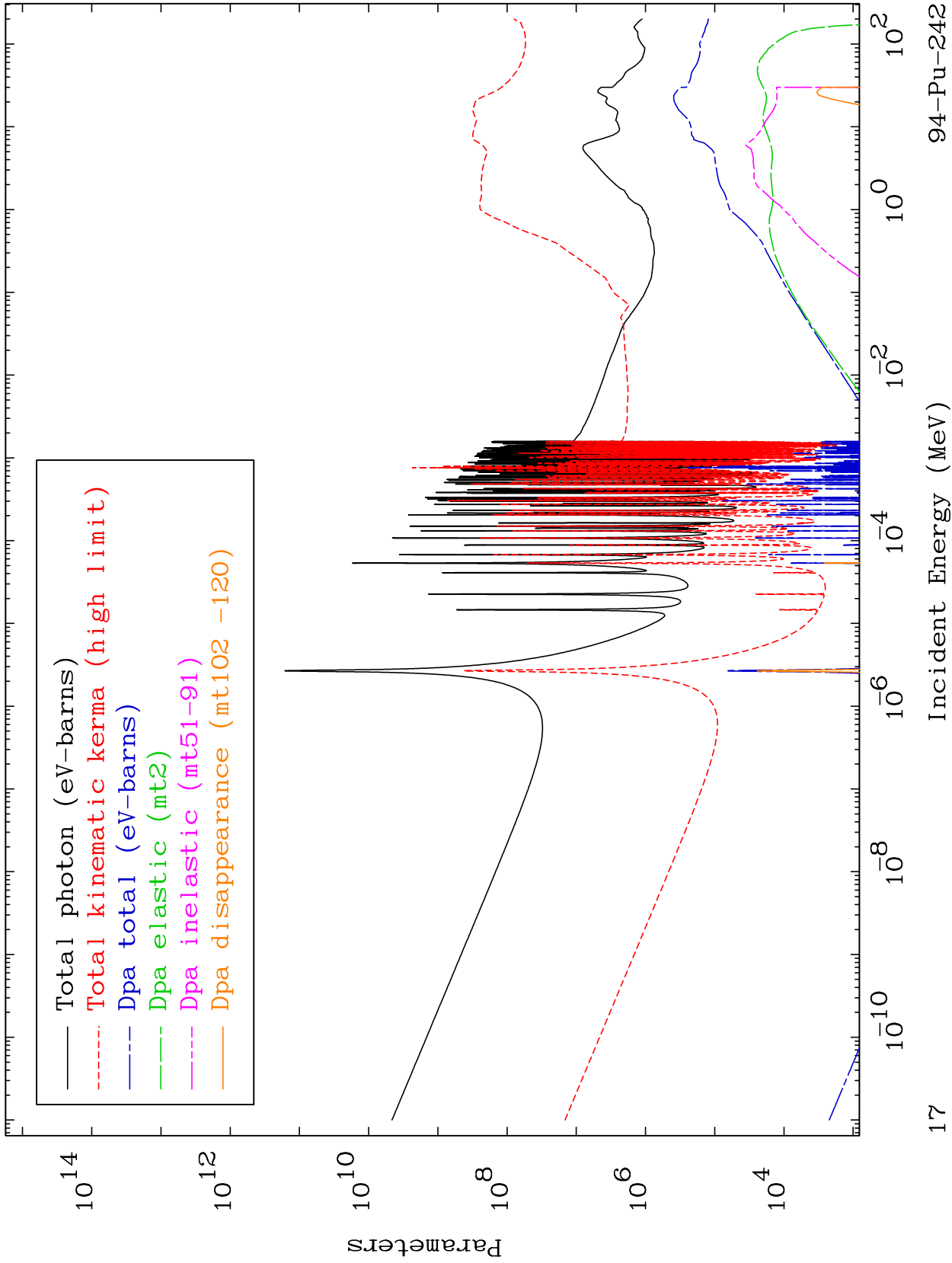


15

Incident Energy (MeV)

94-Pu-242

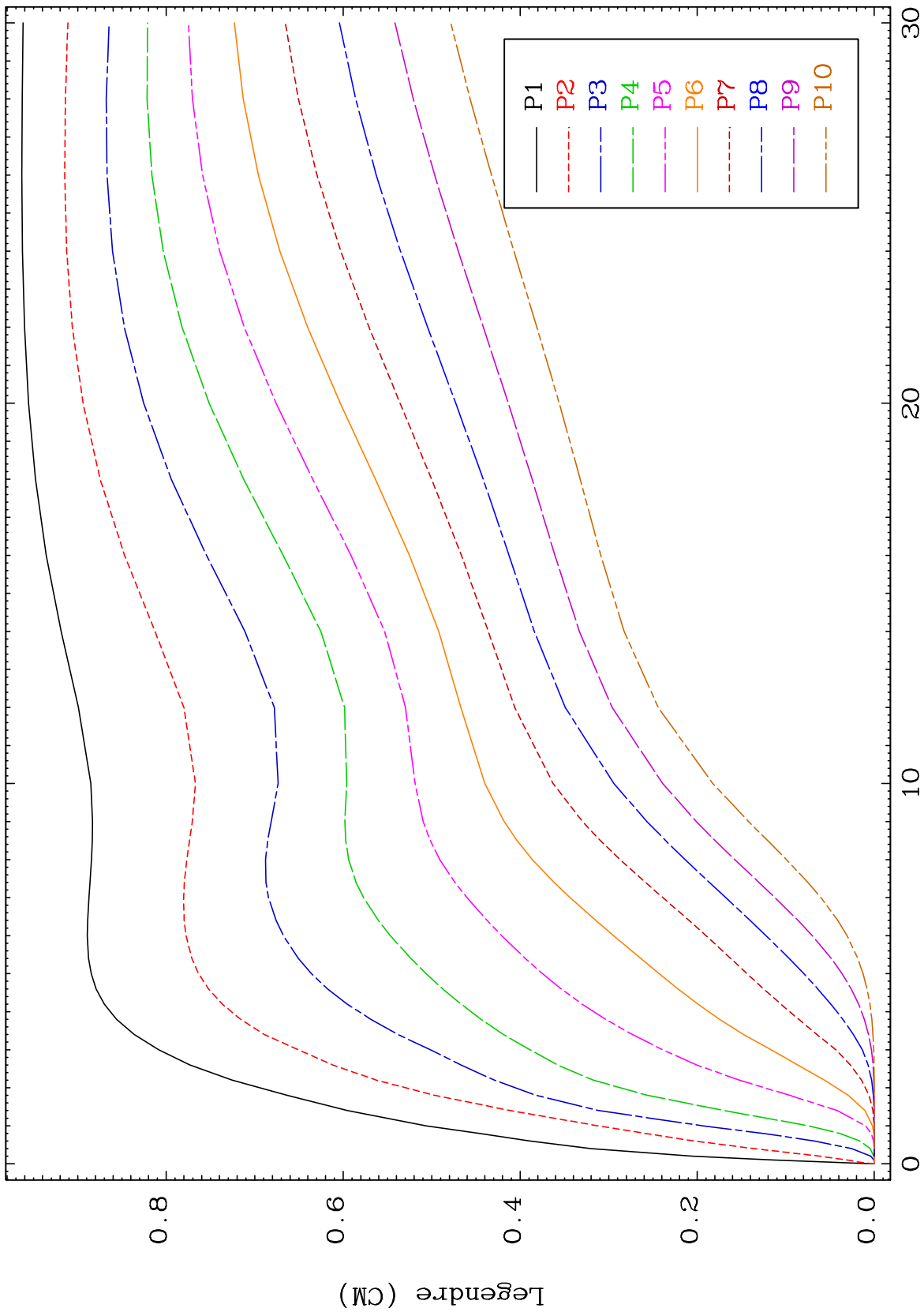




MAT 9446

94-Pu-242

Elastic Legendre Coefficients



94-Pu-242

Incident Energy (MeV)

18

0

0.0

0.2

0.4

0.6

0.8

Legendre (CM)

0

10

20

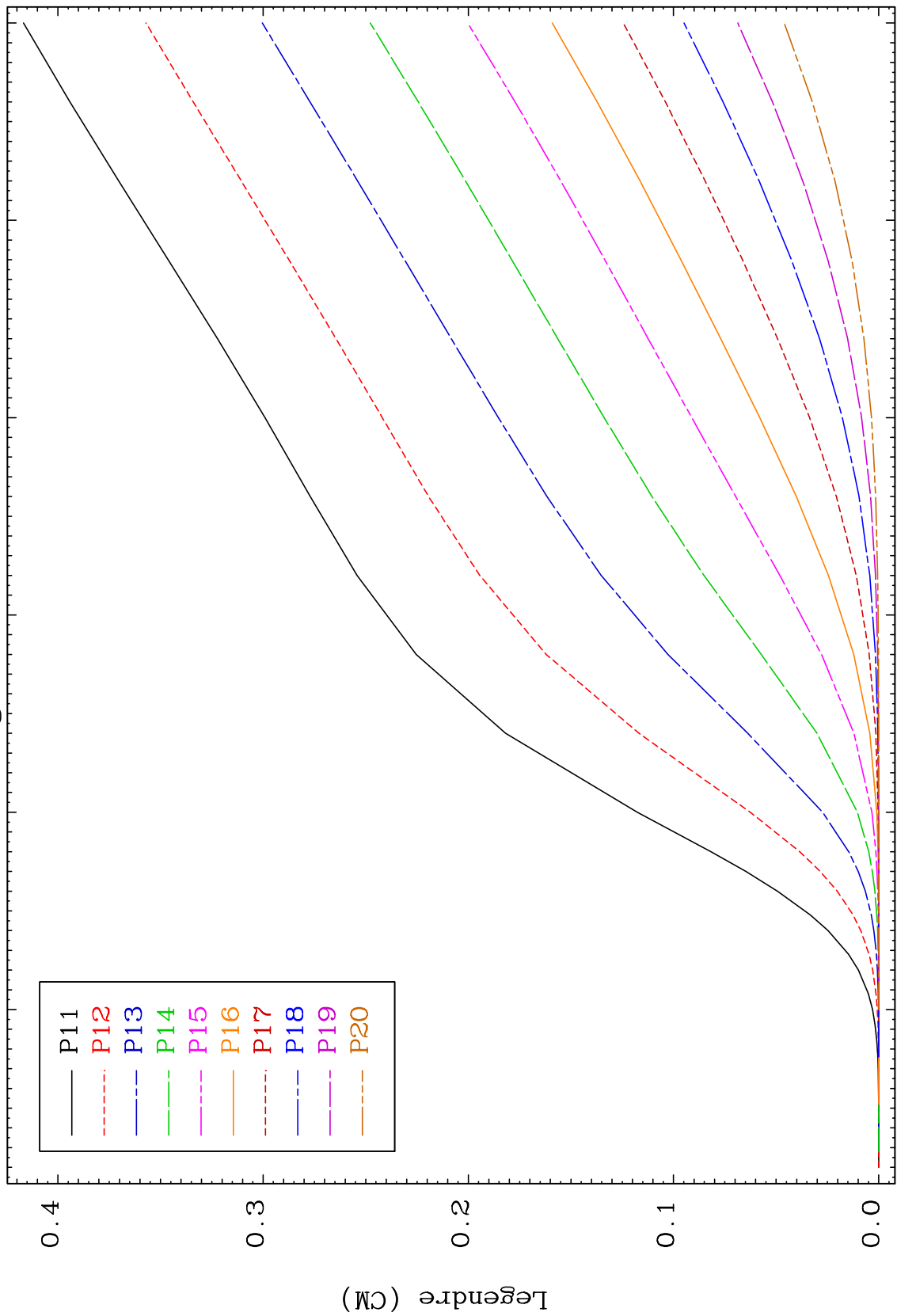
30

Incident Energy (MeV)

MAT 9446

Elastic Legendre Coefficients

94-Pu-242



19

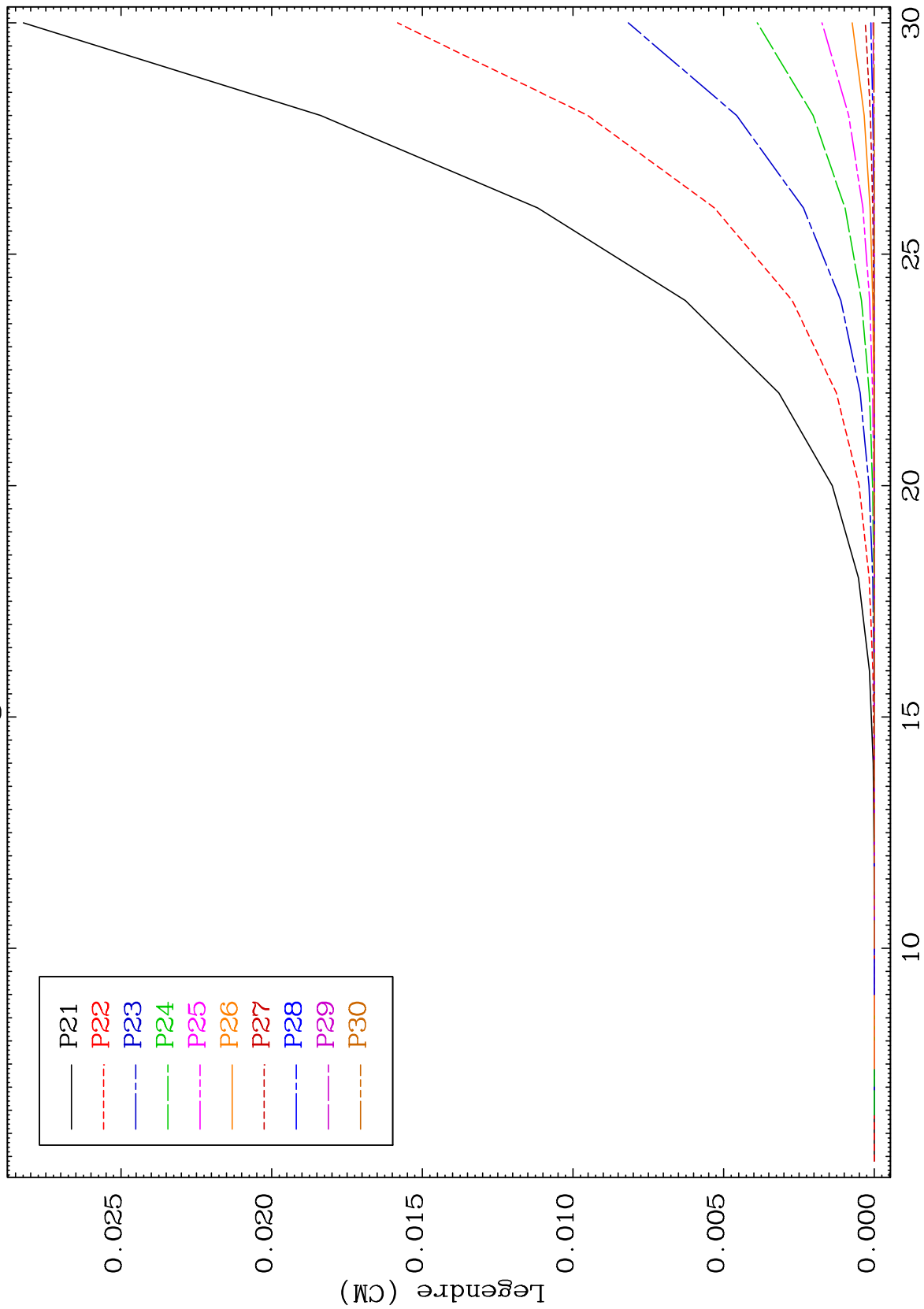
Incident Energy (MeV)

94-Pu-242

MAT 9446

Elastic Legendre Coefficients

94-Pu-242



20

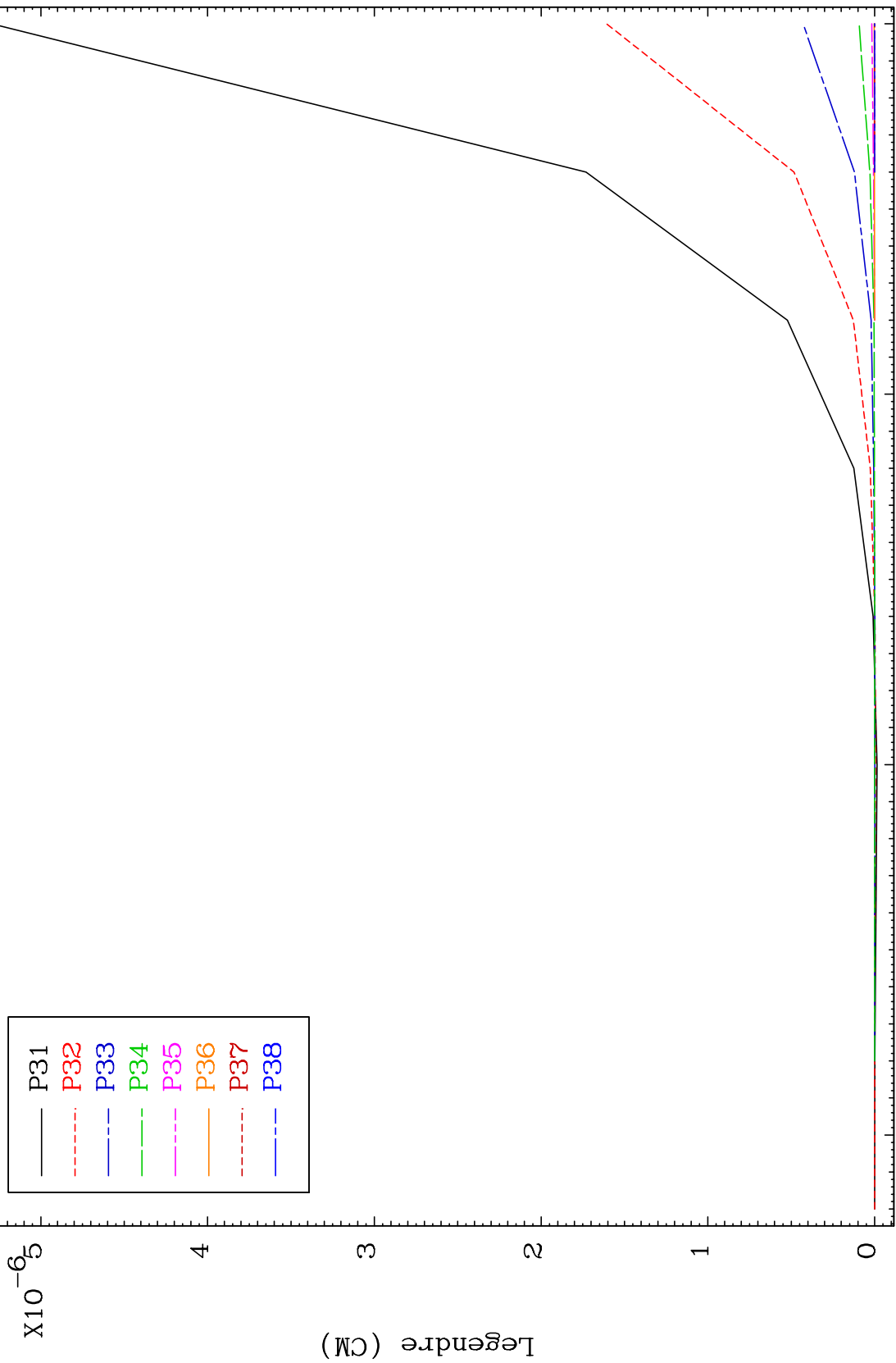
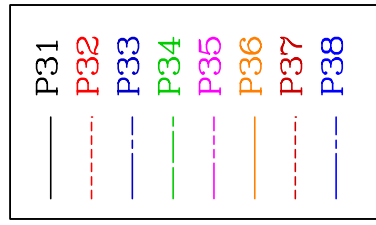
Incident Energy (MeV)

94-Pu-242

MAT 9446

Elastic Legendre Coefficients

94-Pu-242



21

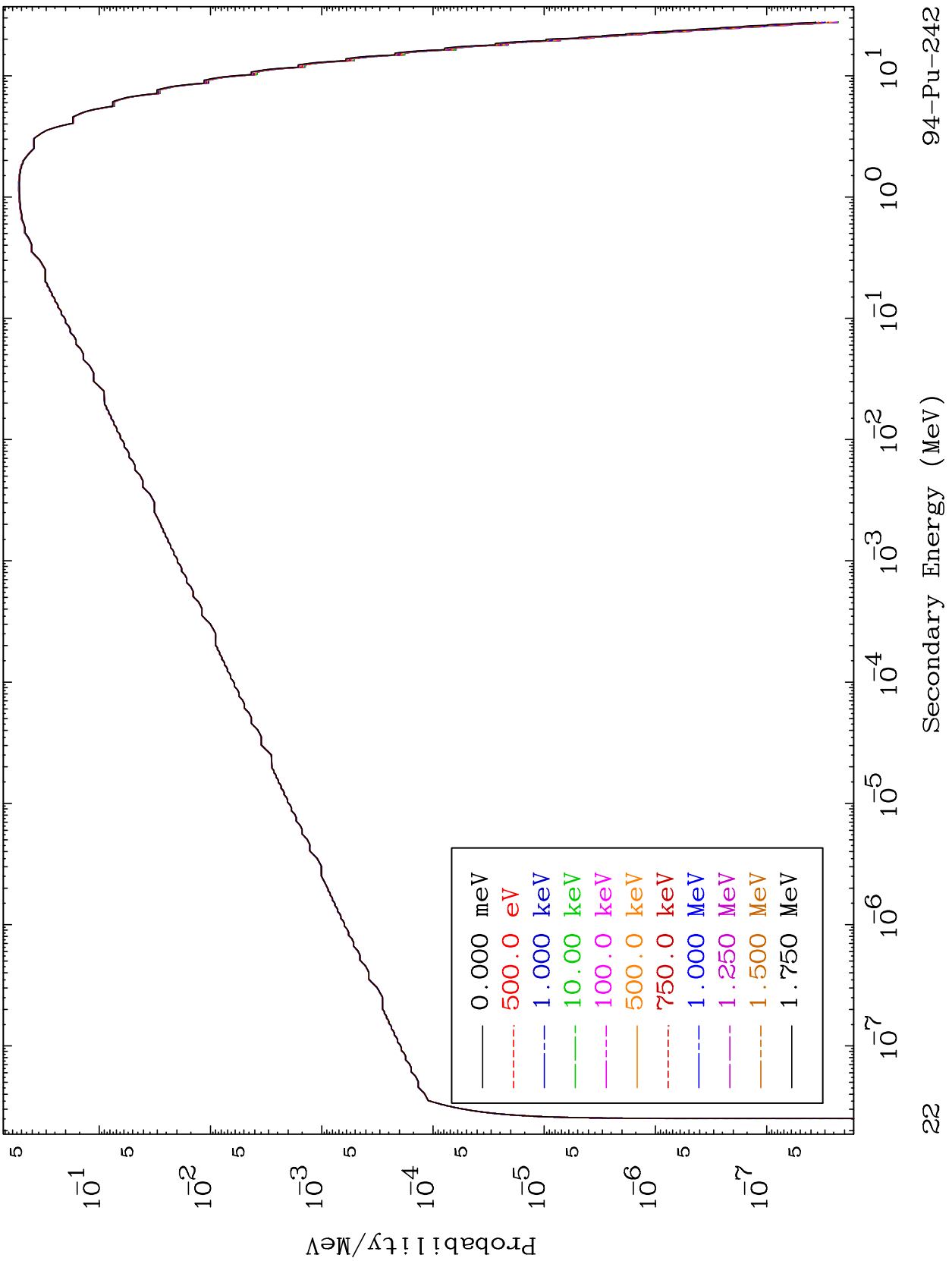
Incident Energy (MeV)

94-Pu-242

MAT 9446

Fission Energy Distribution

94-Pu-242

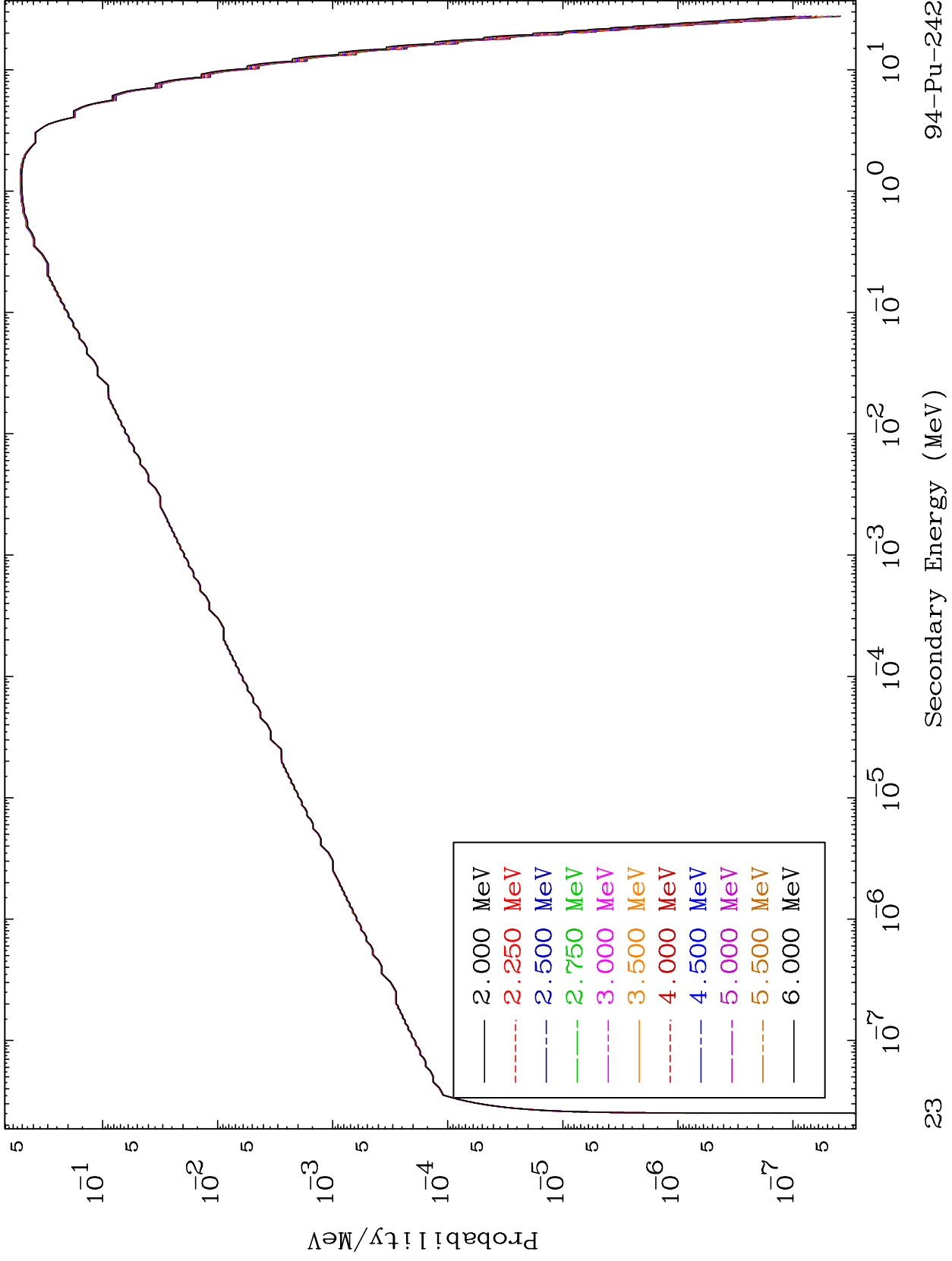


94-Pu-242

MAT 9446

Fission Energy Distribution

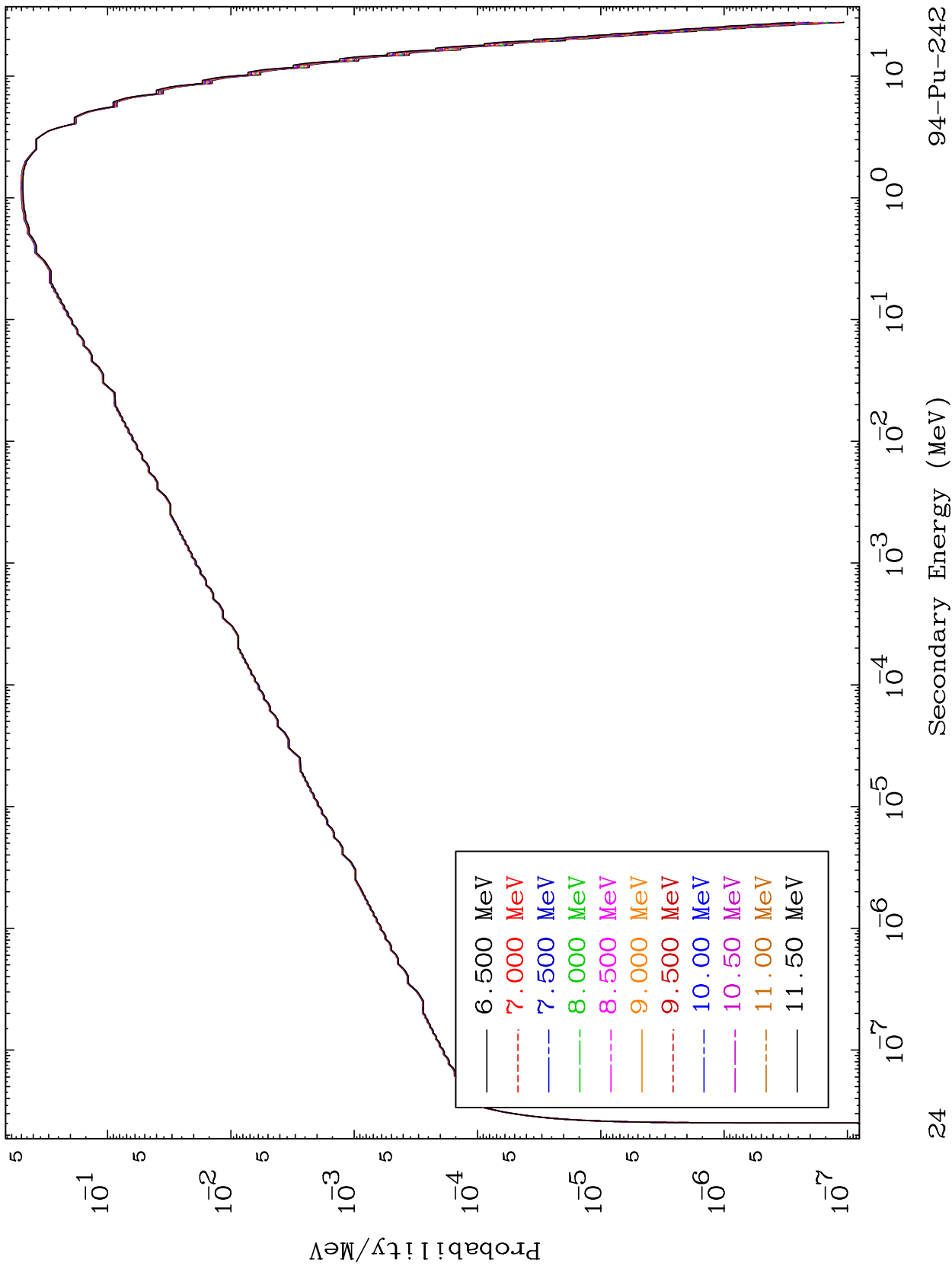
94-Pu-242



MAT 9446

Fission Energy Distribution

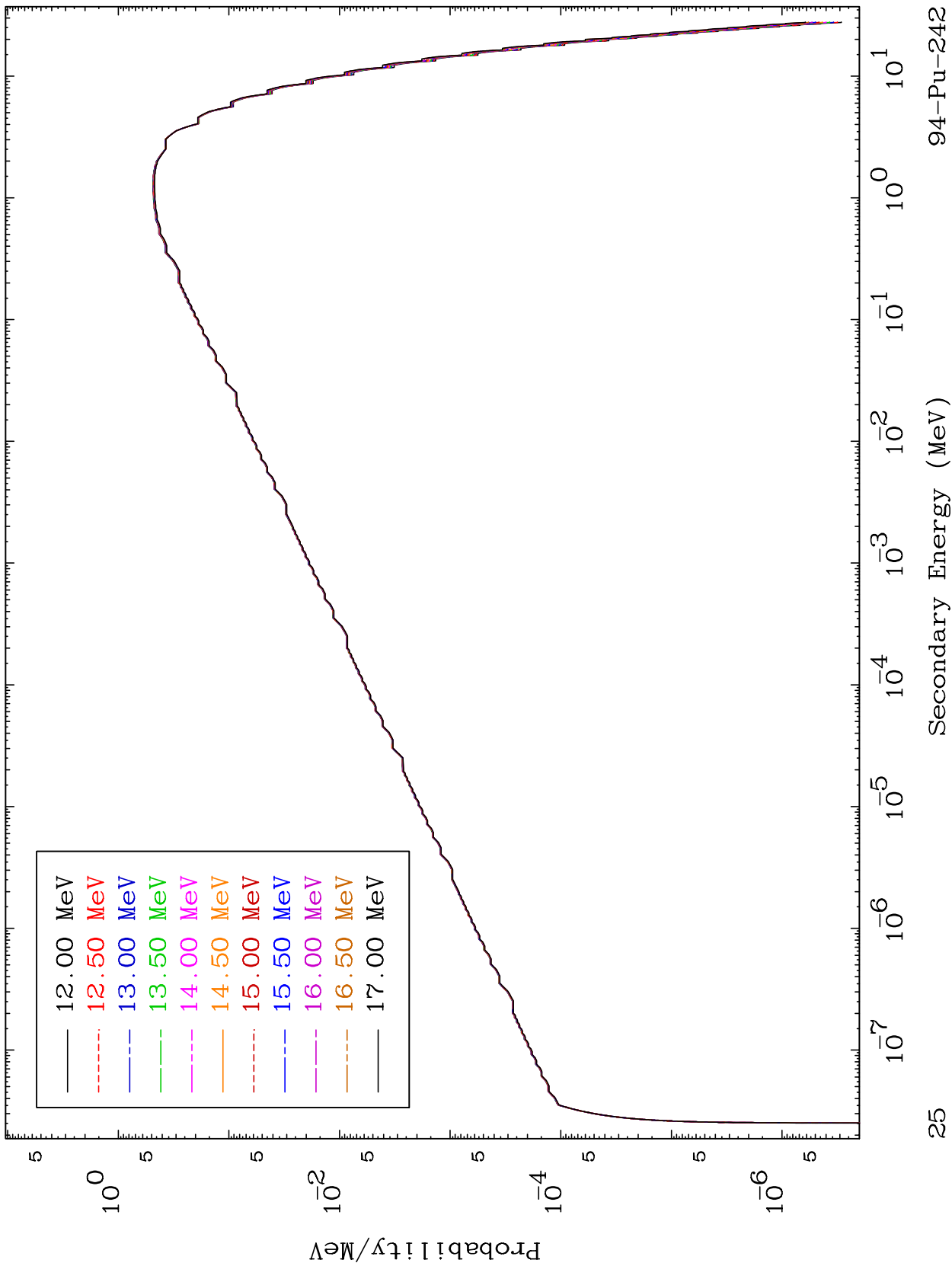
94-Pu-242



MAT 9446

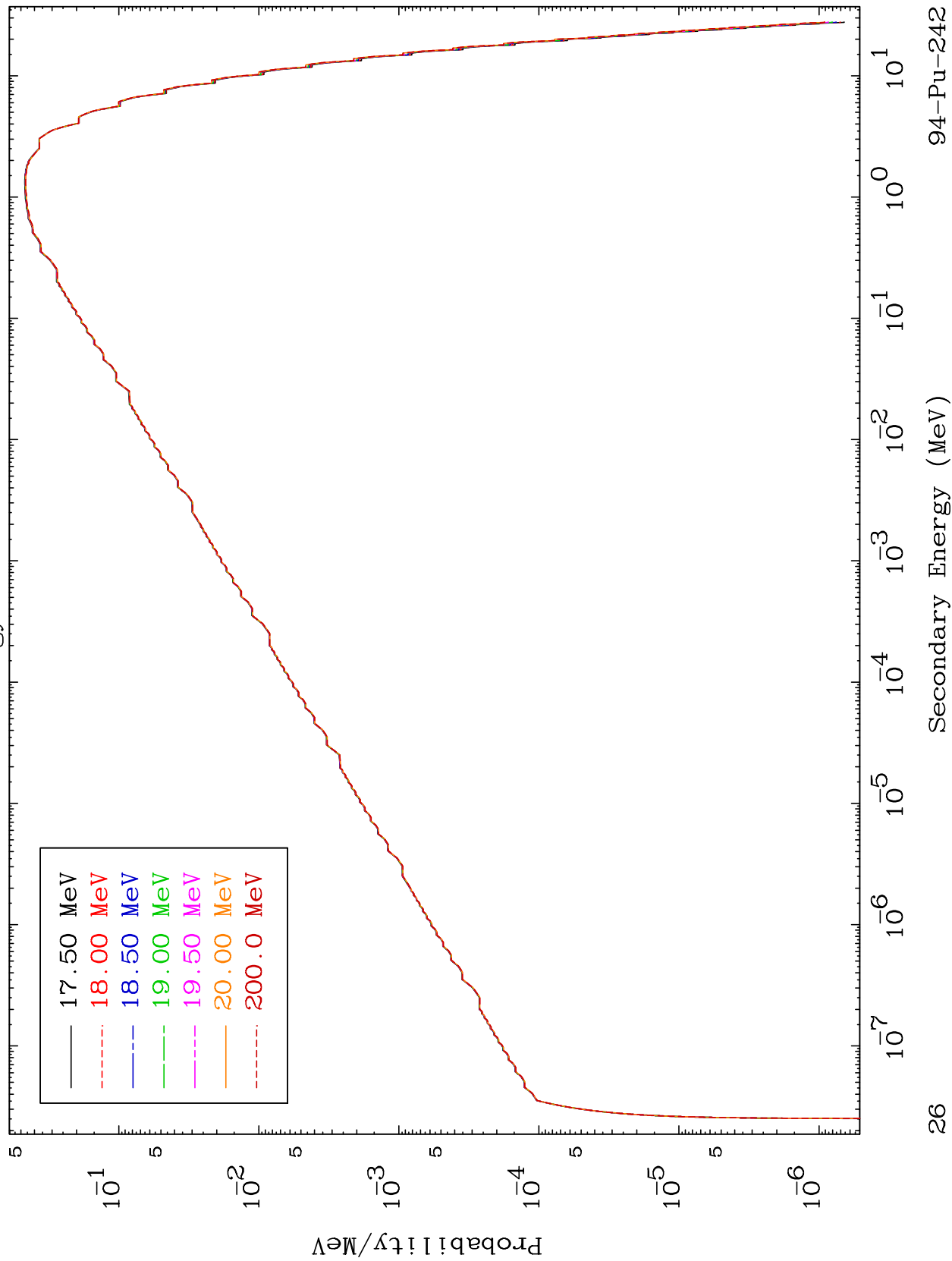
Fission Energy Distribution

94-Pu-242



94-Pu-242

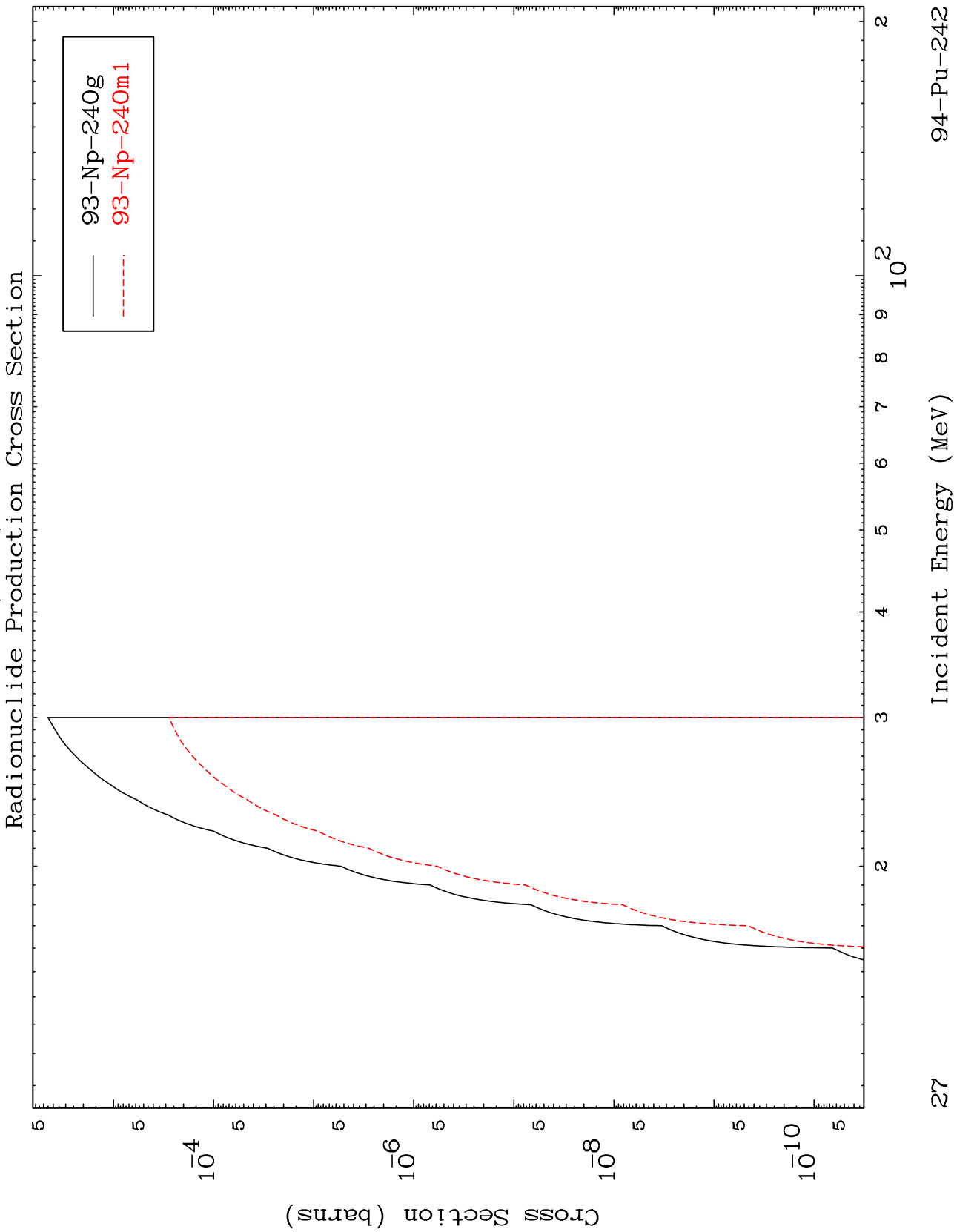
Fission Energy Distribution



MAT 9446

(n,n') d

94-Pu-242



27

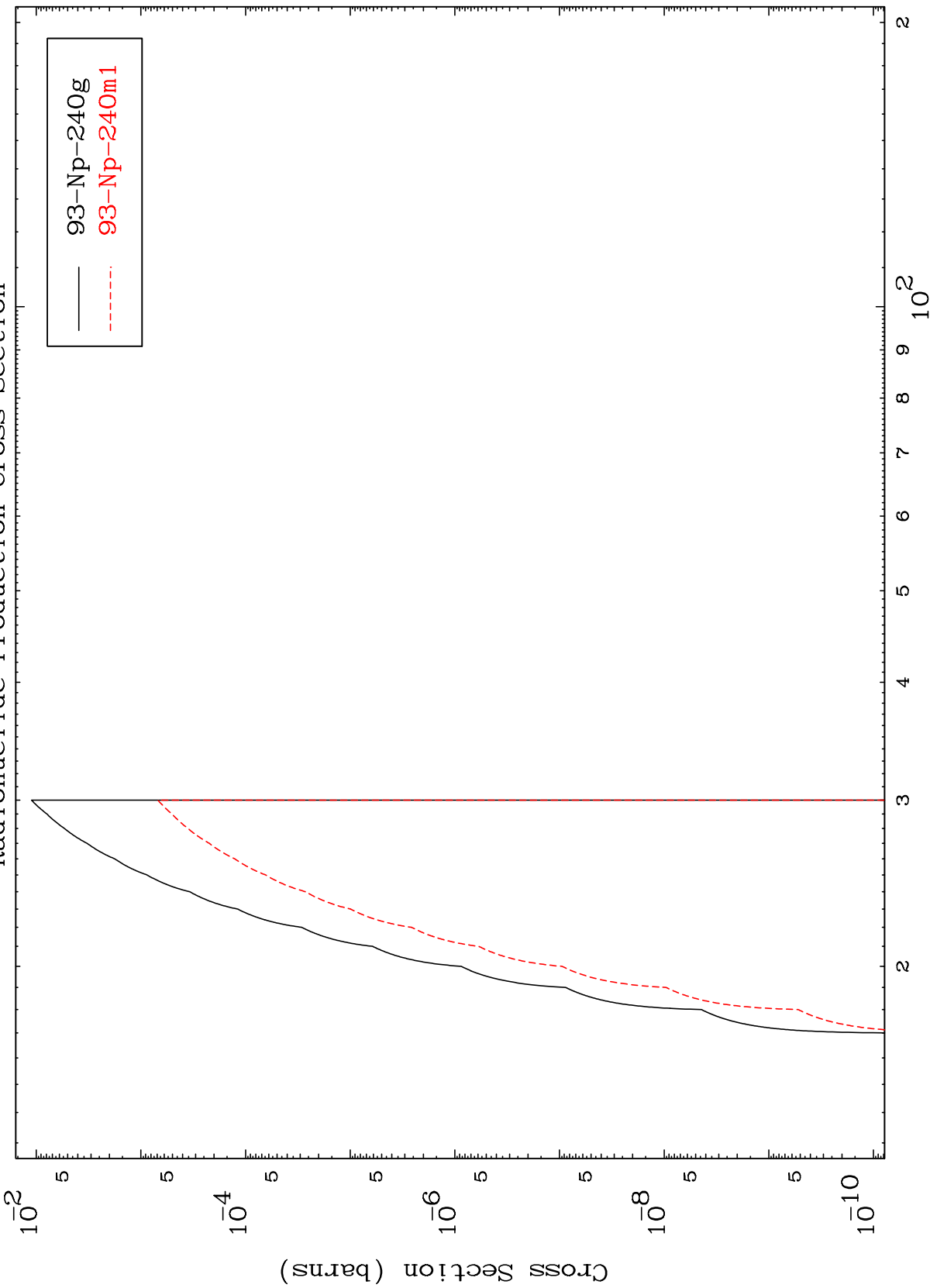
94-Pu-242

MAT 9446

(n,2n) p

94-Pu-242

Radionuclide Production Cross Section



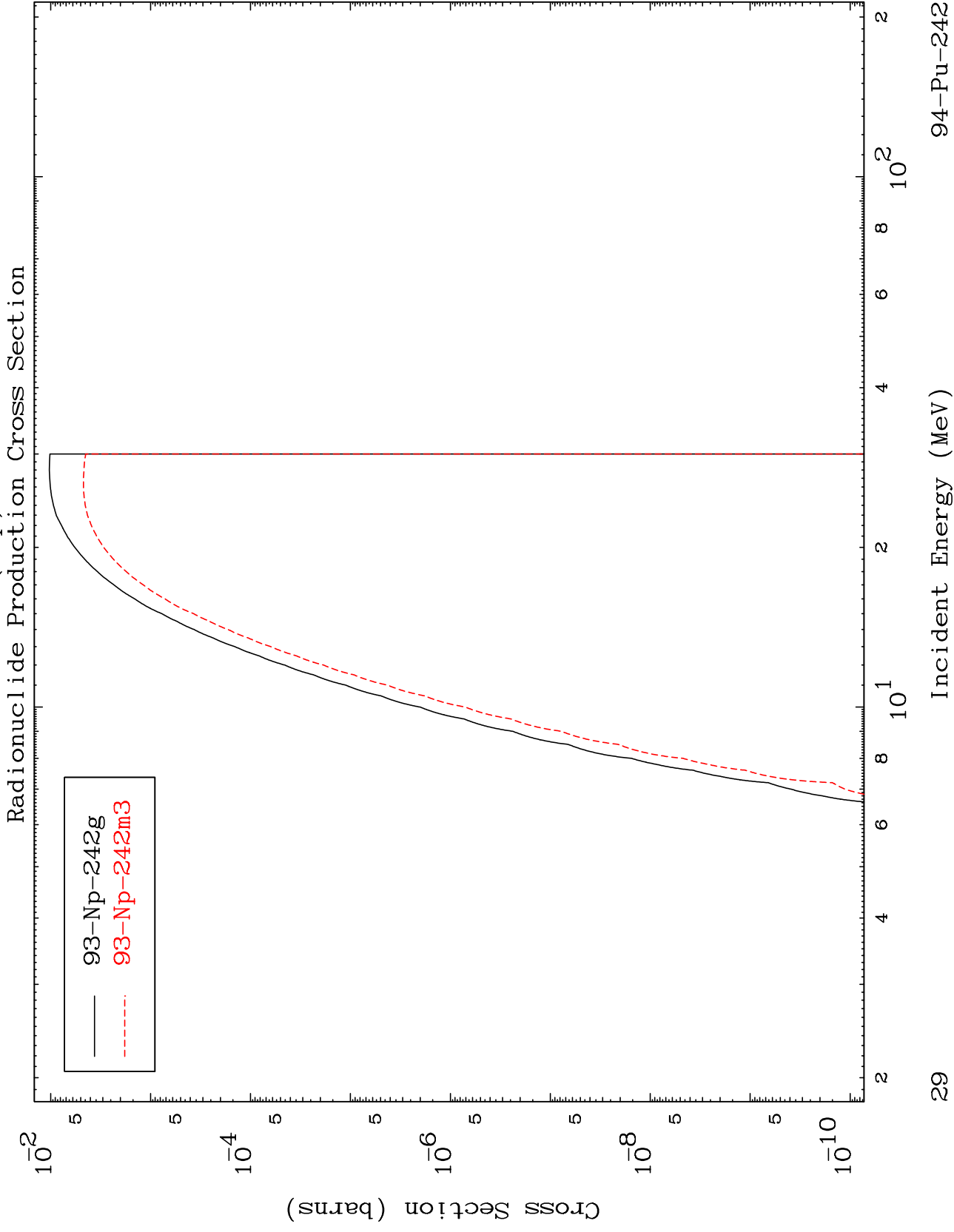
28

Incident Energy (MeV)

94-Pu-242

MAT 9446

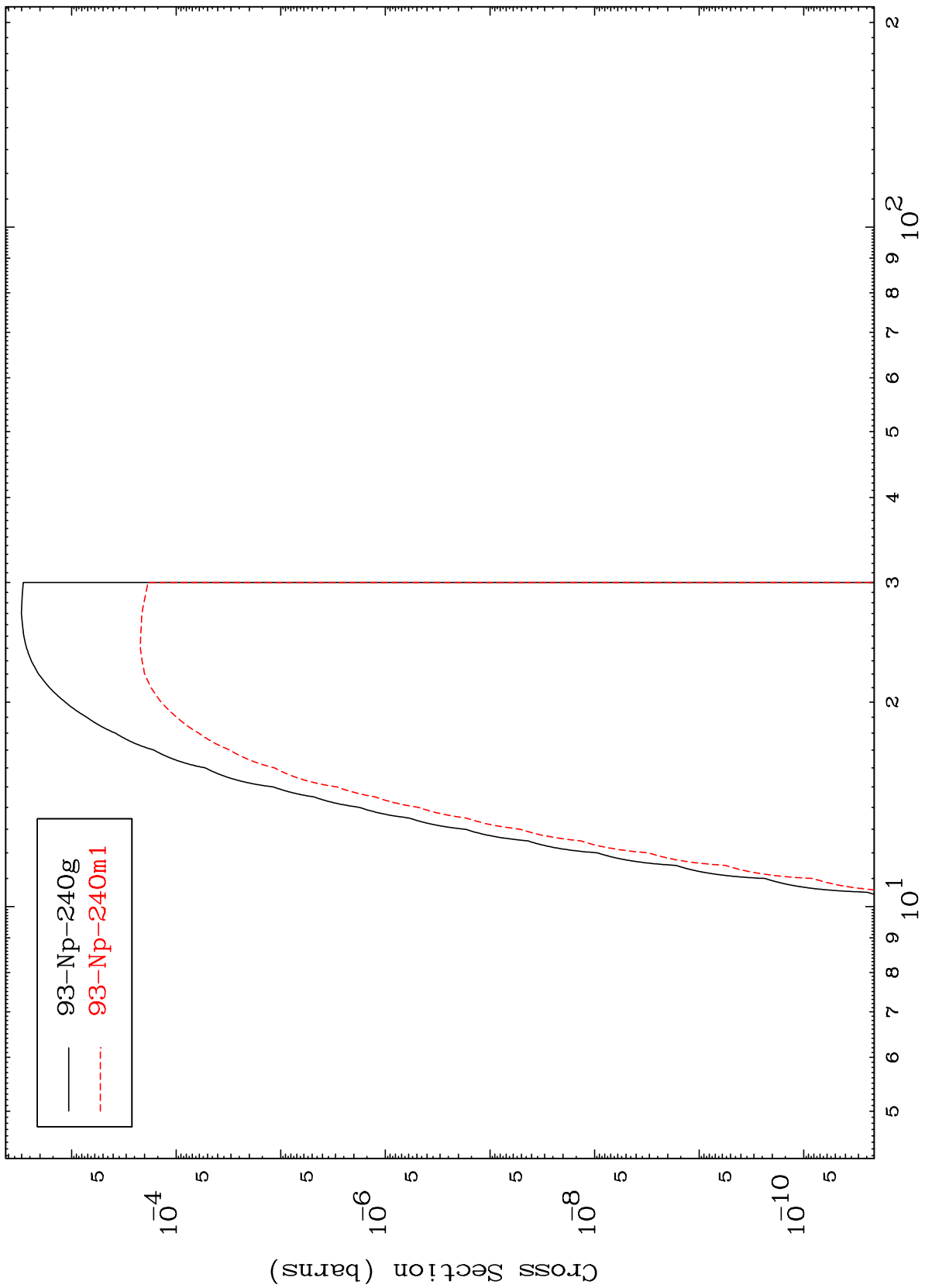
94-Pu-242



MAT 9446

94-Pu-242

(n, t)
Radionuclide Production Cross Section



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

30

Incident Energy (MeV)

94-Pu-242