

Program EVALPLOT  
(Version 2015-2)

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:home.comcast.net/~redcullen1

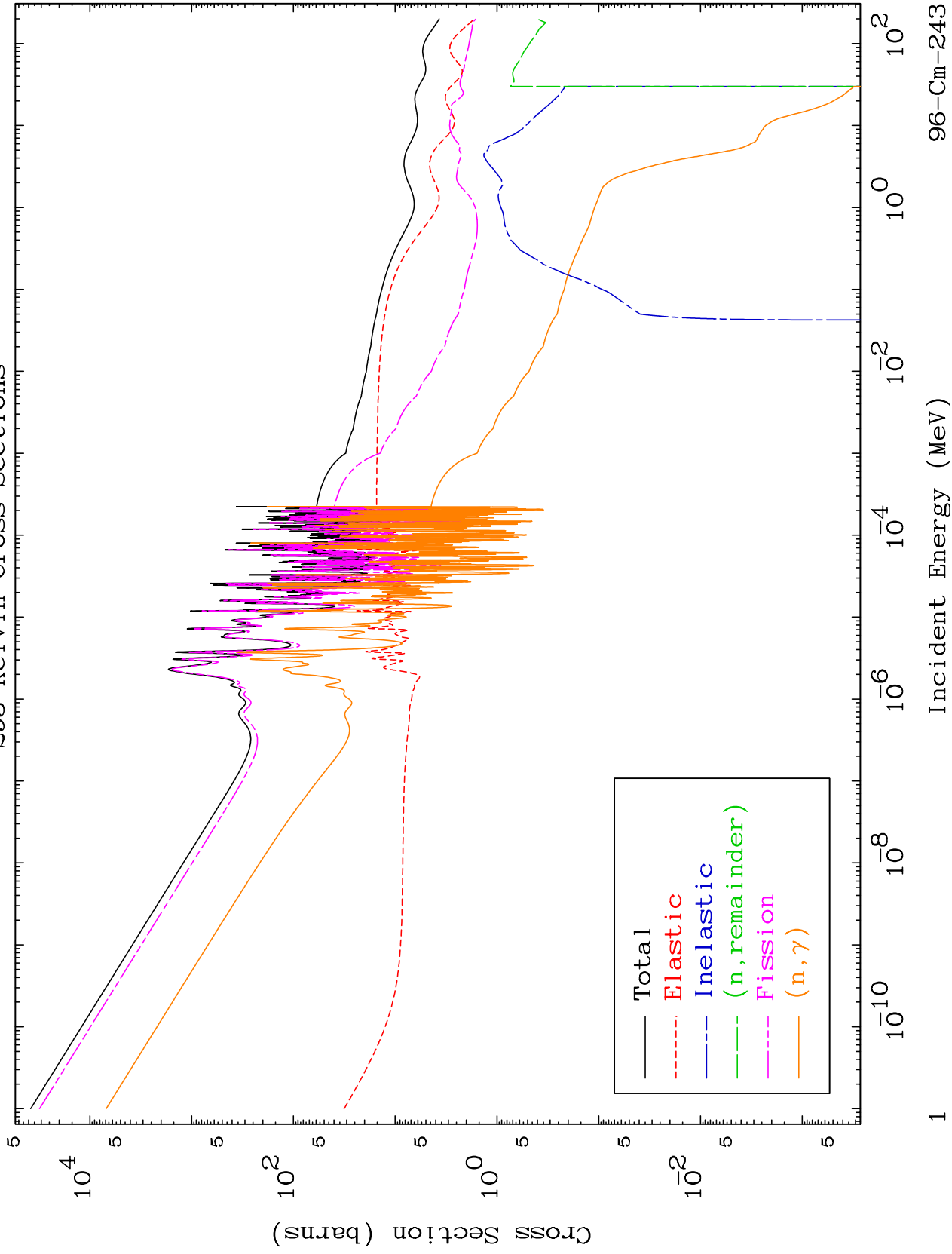
Press Mouse Button to Start

MAT 9634

Major

293 Kelvin Cross Sections

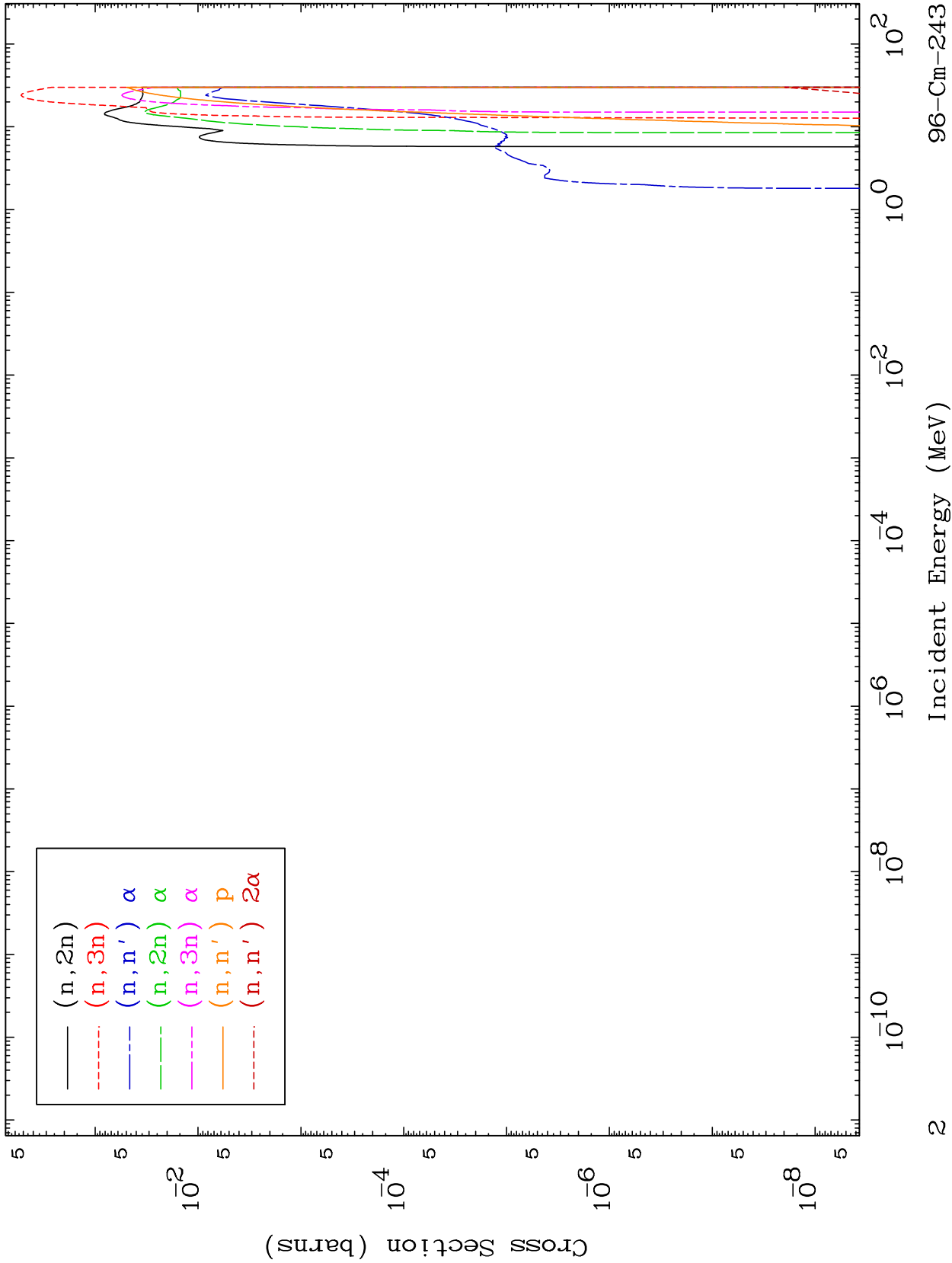
96-Cm-243



MAT 9634

Neutron Production  
293 Kelvin Cross Sections

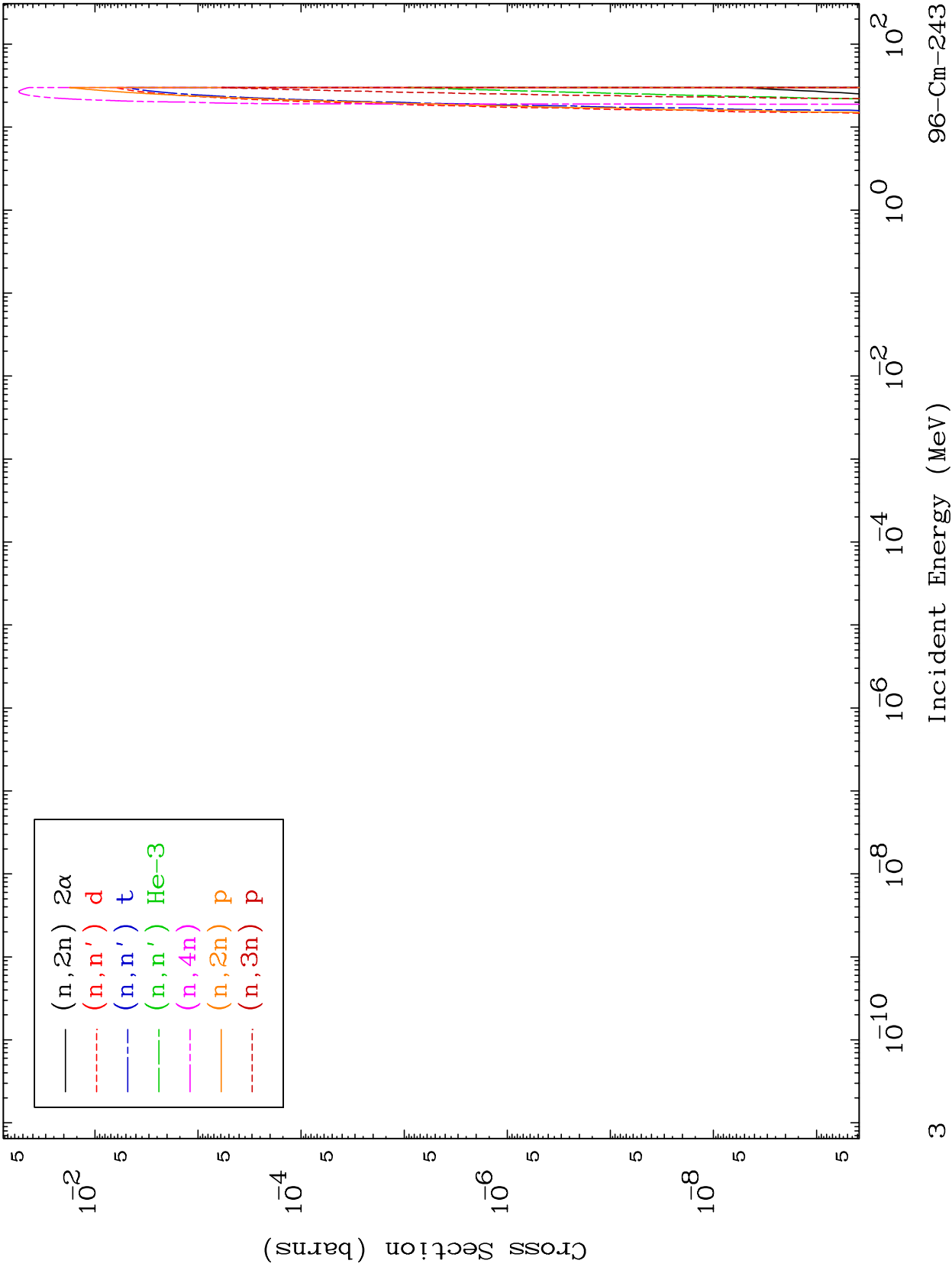
96-Cm-243



MAT 9634

Neutron Production  
293 Kelvin Cross Sections

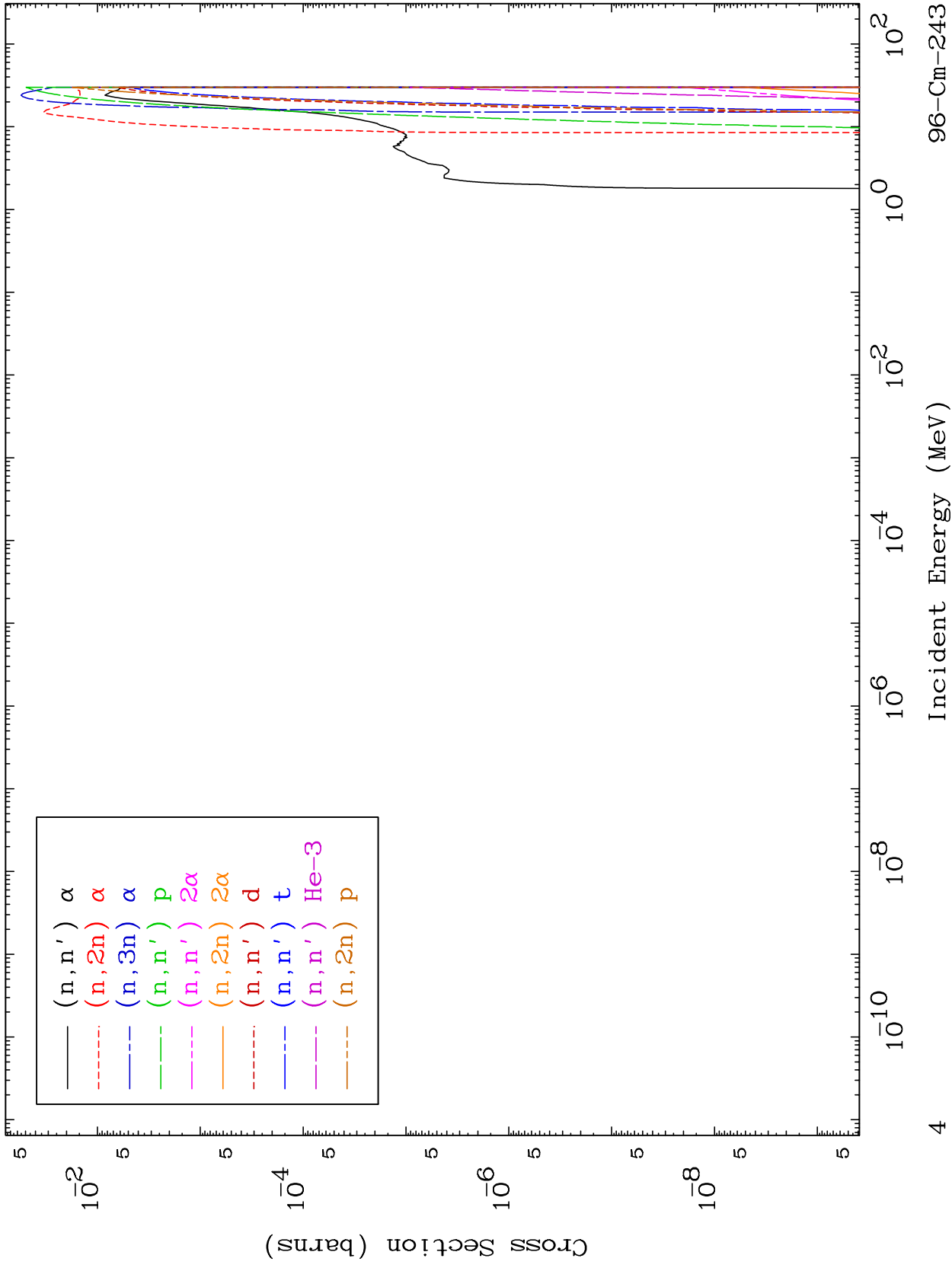
96-Cm-243



MAT 9634

Charged Particle  
293 Kelvin Cross Sections

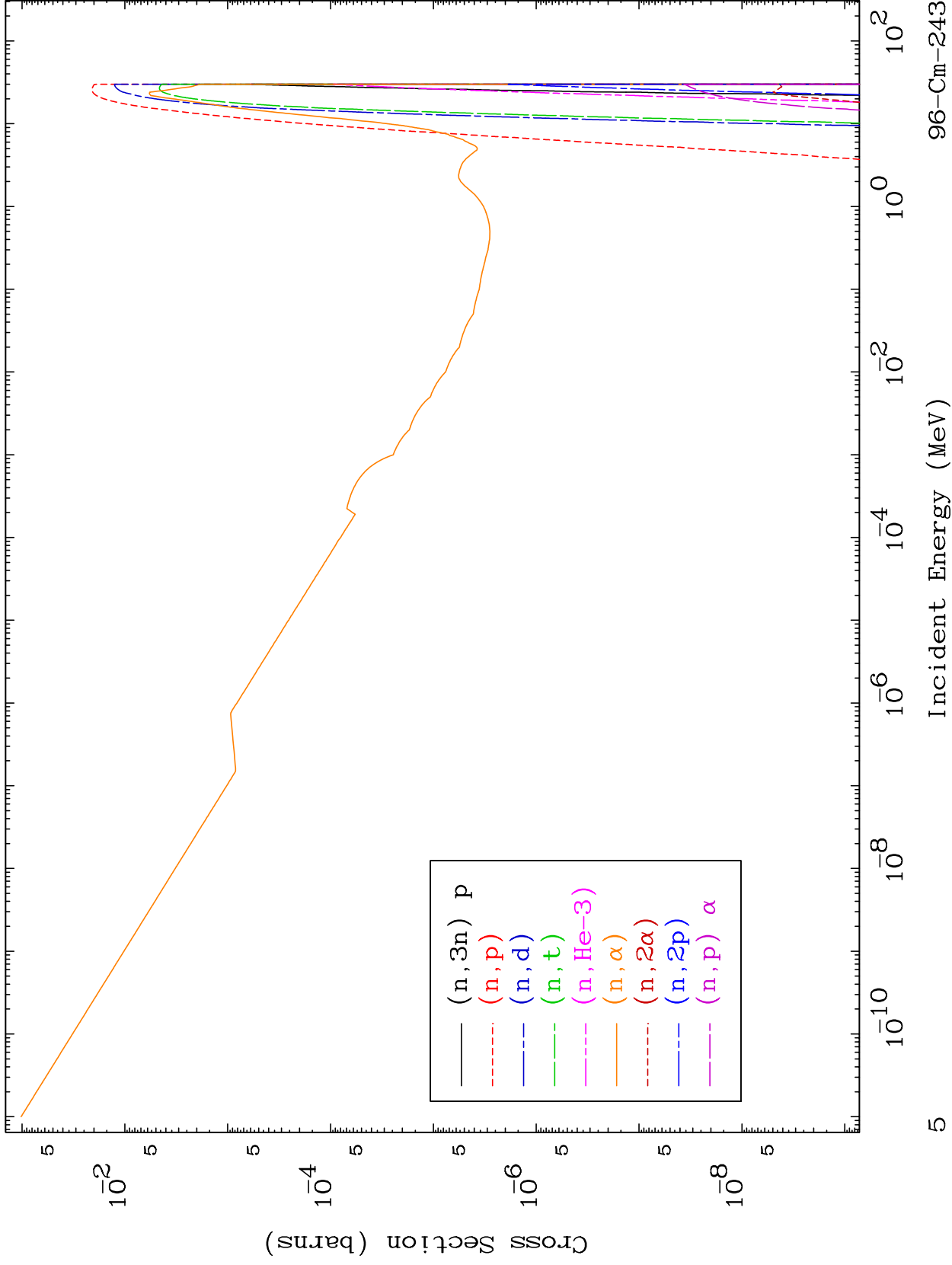
96-Cm-243



MAT 9634

Charged Particle  
293 Kelvin Cross Sections

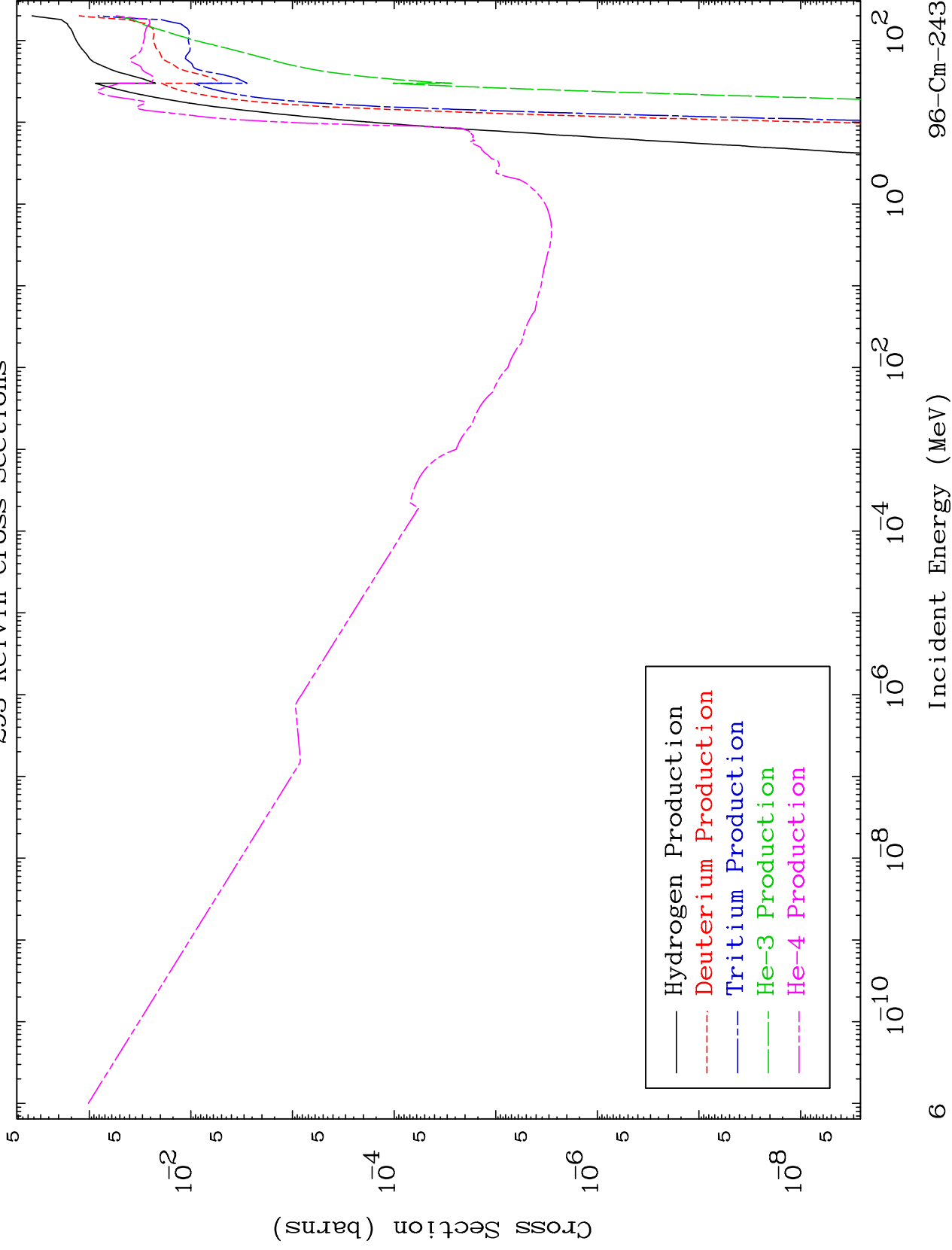
96-Cm-243



MAT 9634

Particle Production  
293 Kelvin Cross Sections

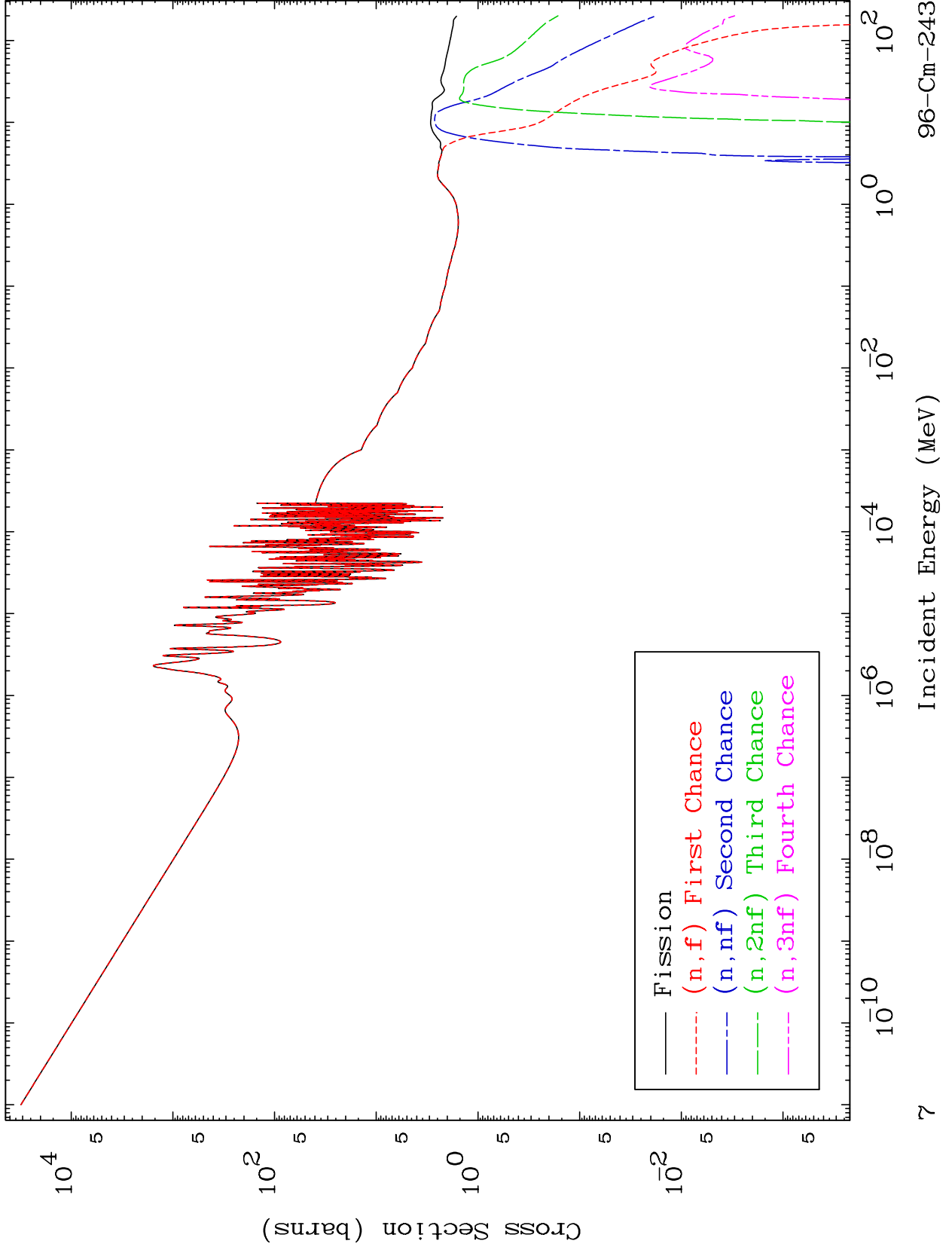
96-Cm-243



MAT 9634

Fission  
293 Kelvin Cross Sections

96-Cm-243

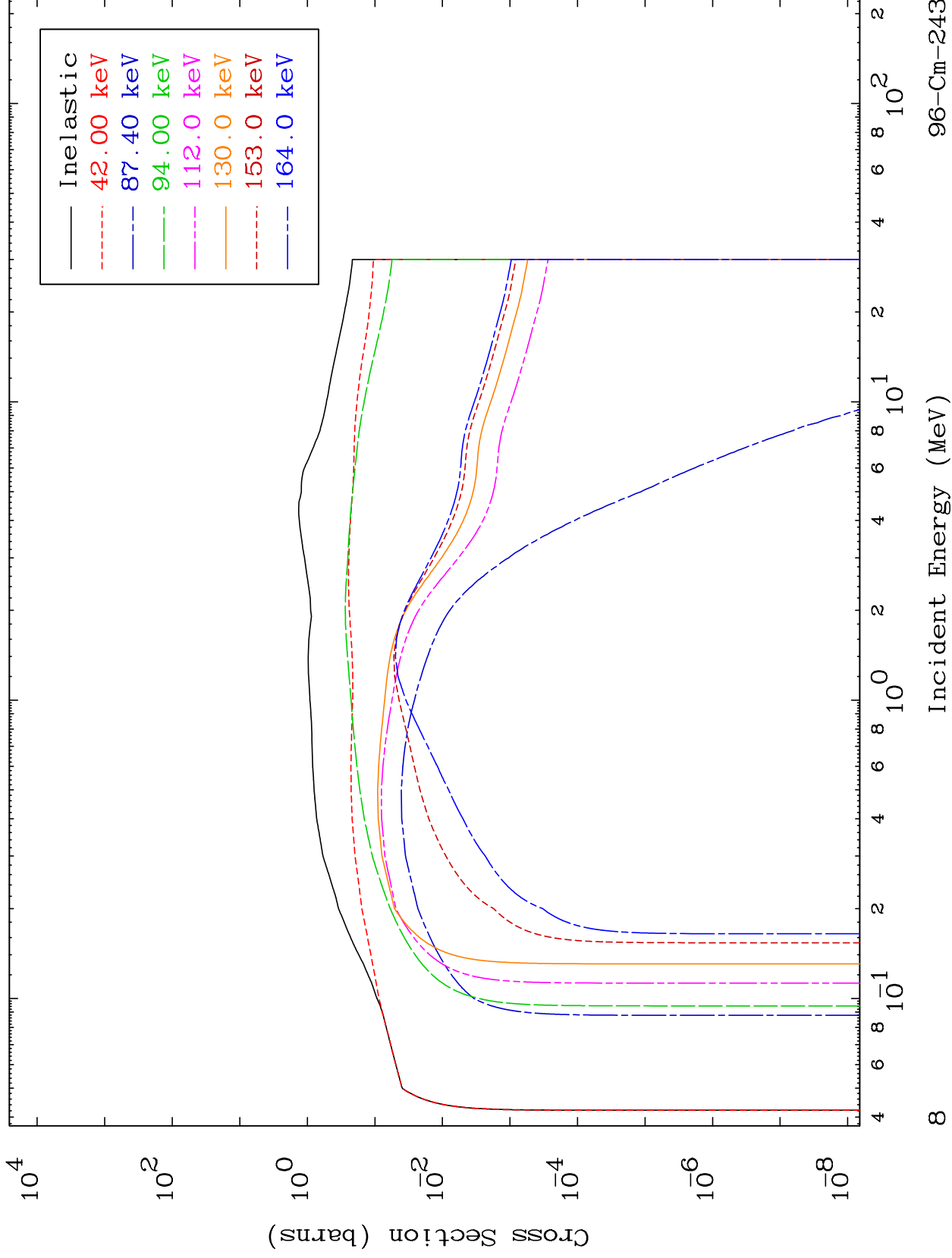




MAT 9634

(n,n') Level  
293 Kelvin Cross Sections

96-Cm-243



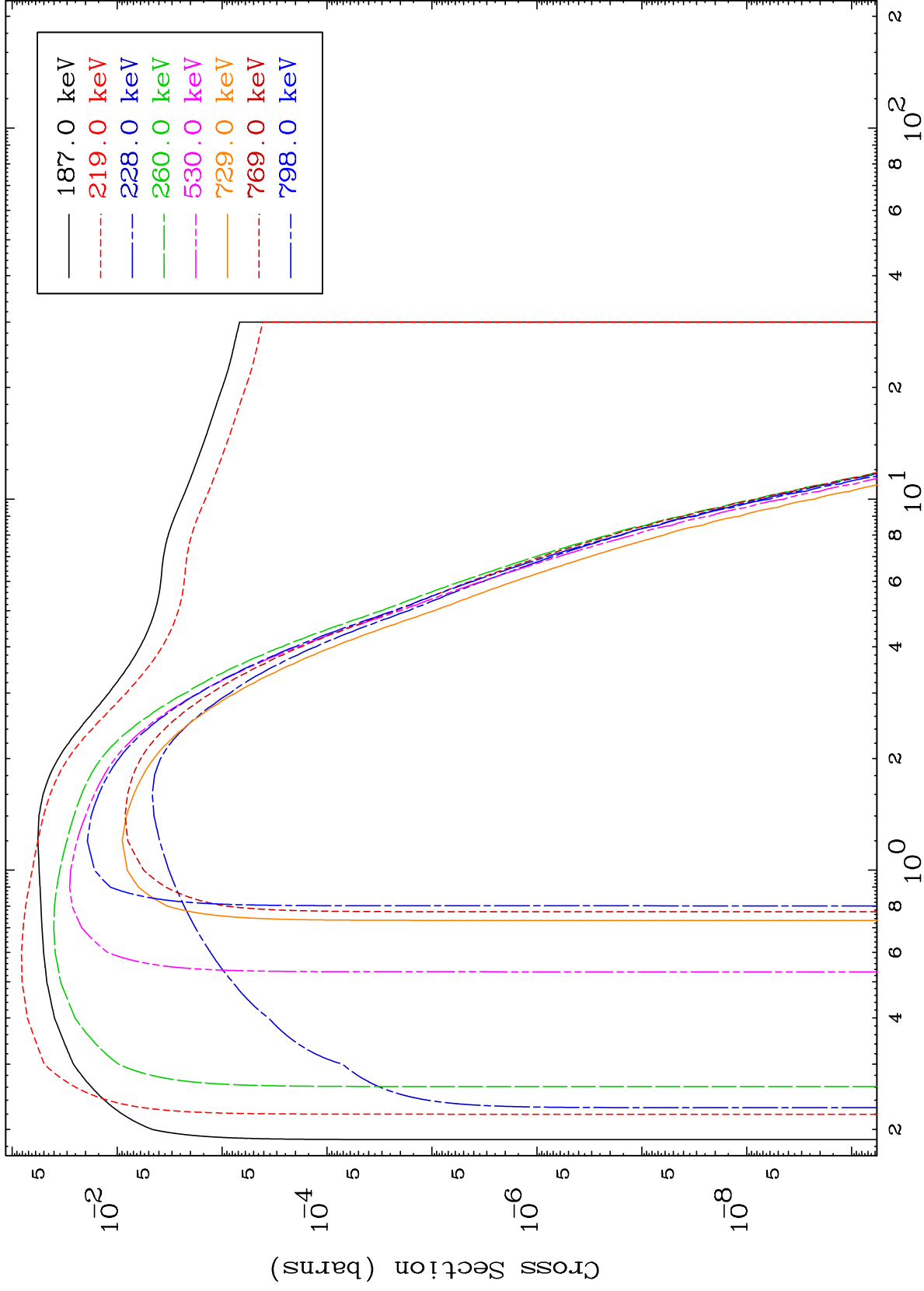
8

96-Cm-243

MAT 9634

(n,n') Level  
293 Kelvin Cross Sections

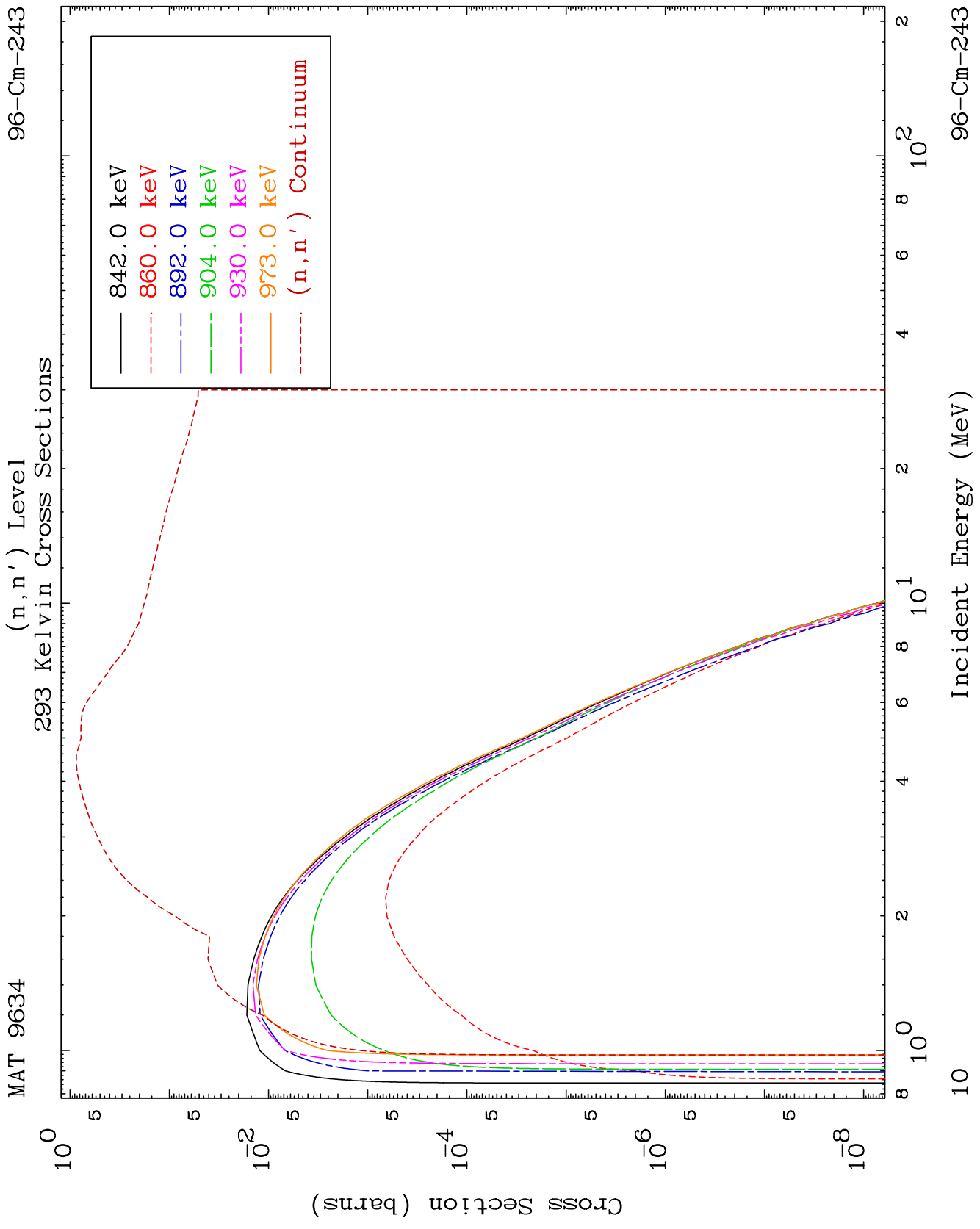
96-Cm-243



9

Incident Energy (MeV)

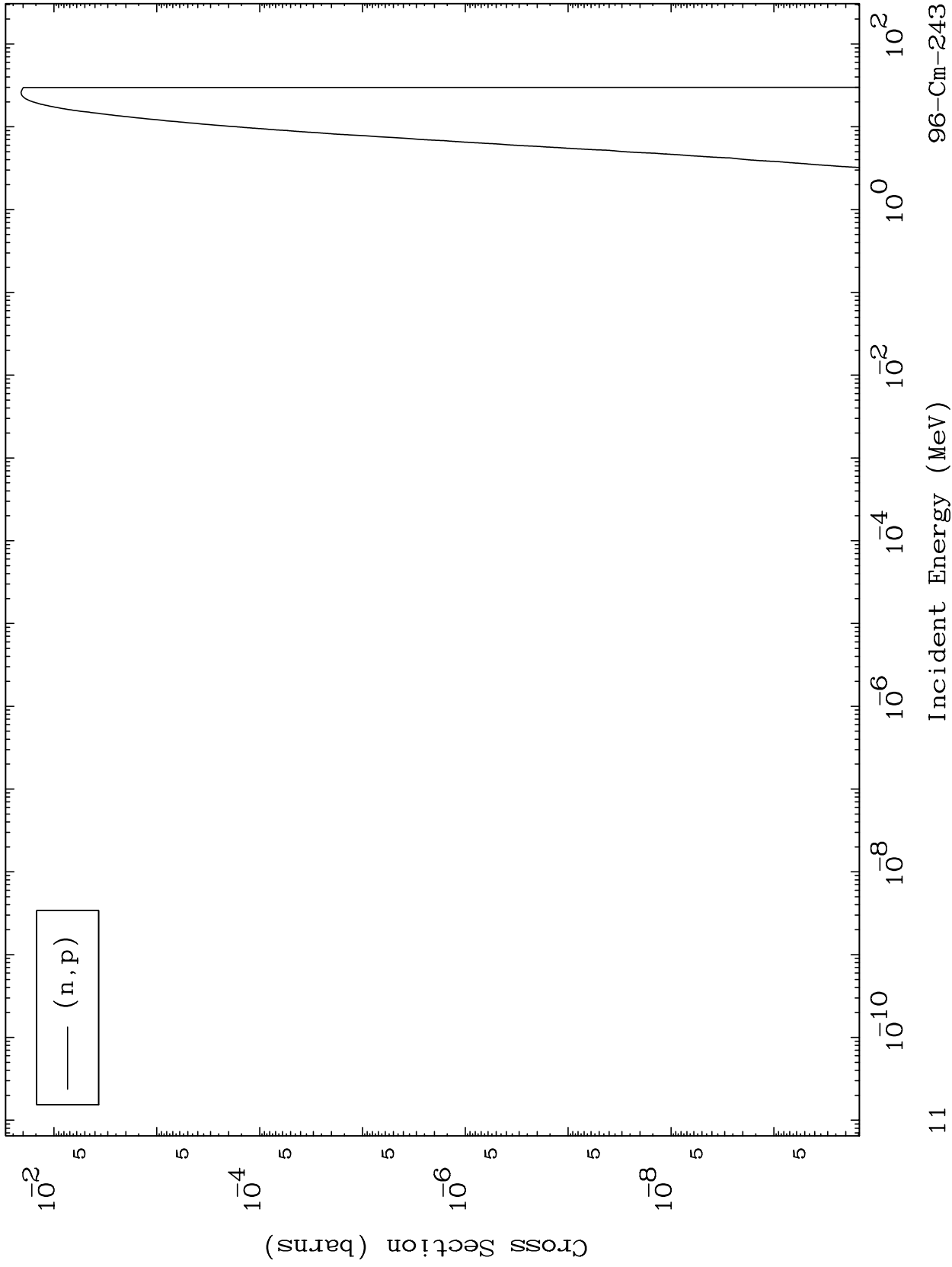
96-Cm-243



MAT 9634

(n,p) Levels  
293 Kelvin Cross Sections

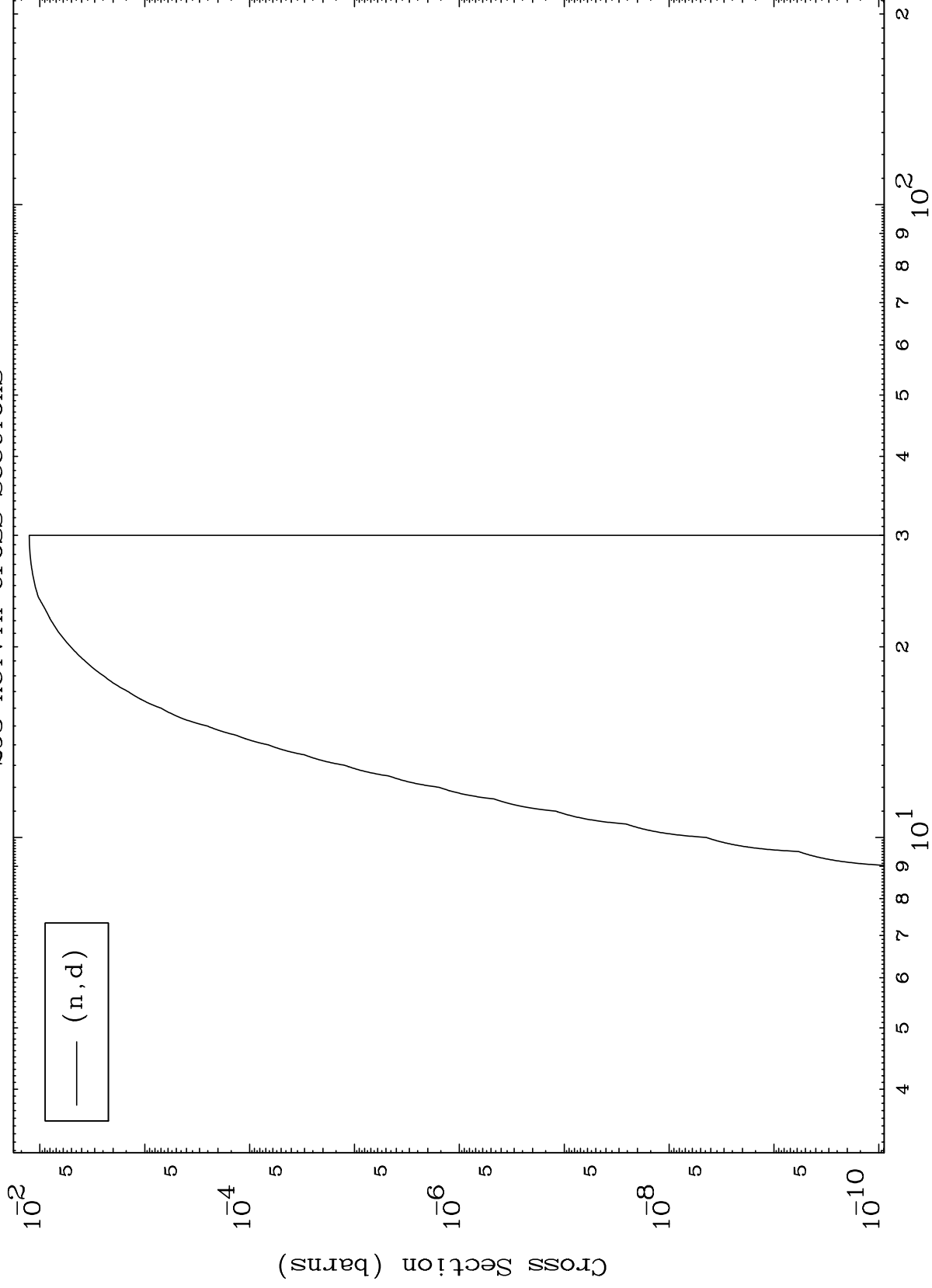
96-Cm-243



MAT 9634

(n,d) Levels  
293 Kelvin Cross Sections

96-Cm-243



12

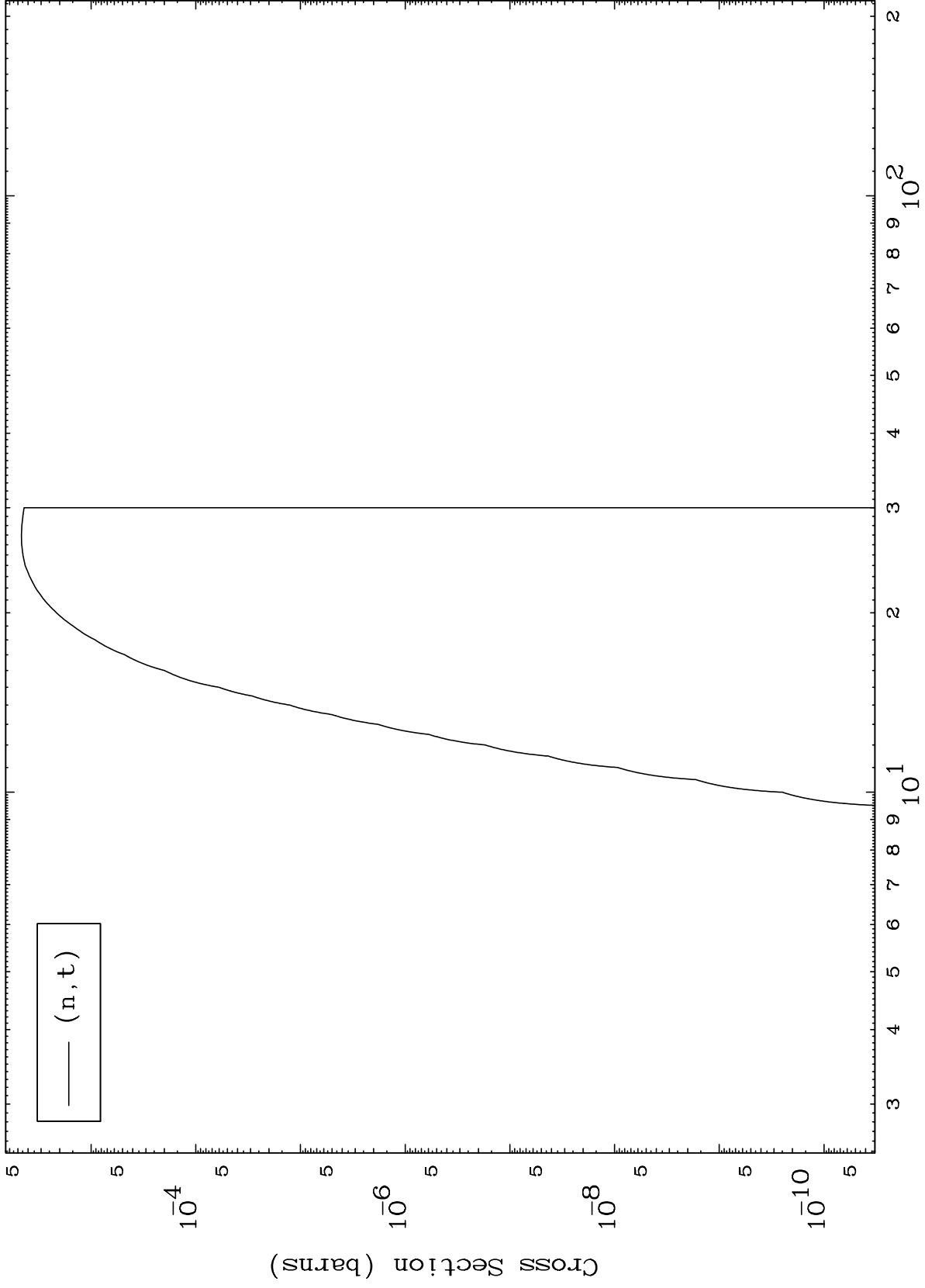
Incident Energy (MeV)

96-Cm-243

MAT 9634

(n,t) Levels  
293 Kelvin Cross Sections

96-Cm-243



13

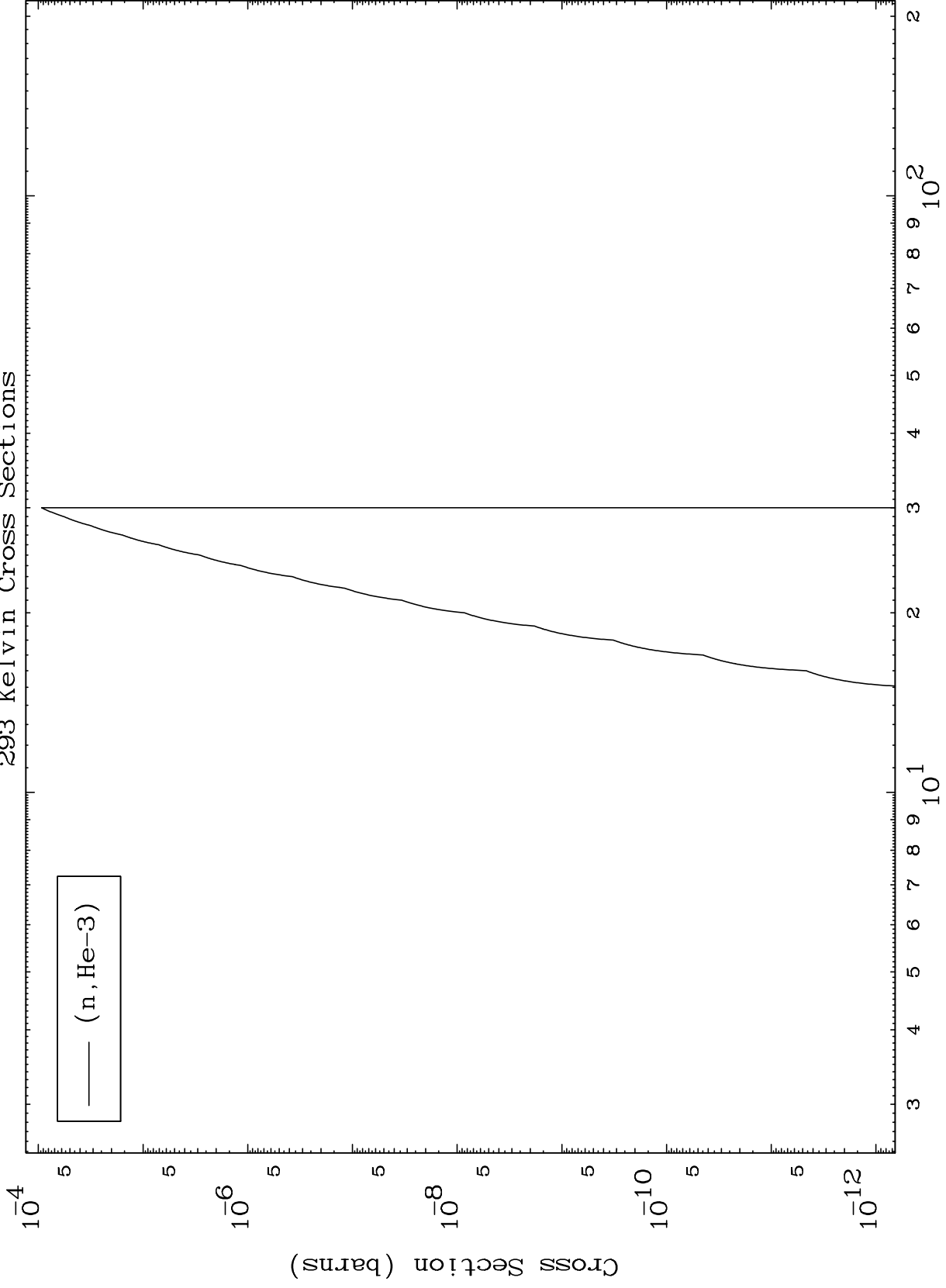
Incident Energy (MeV)

96-Cm-243

MAT 9634

(n,He3) Levels  
293 Kelvin Cross Sections

96-Cm-243



14

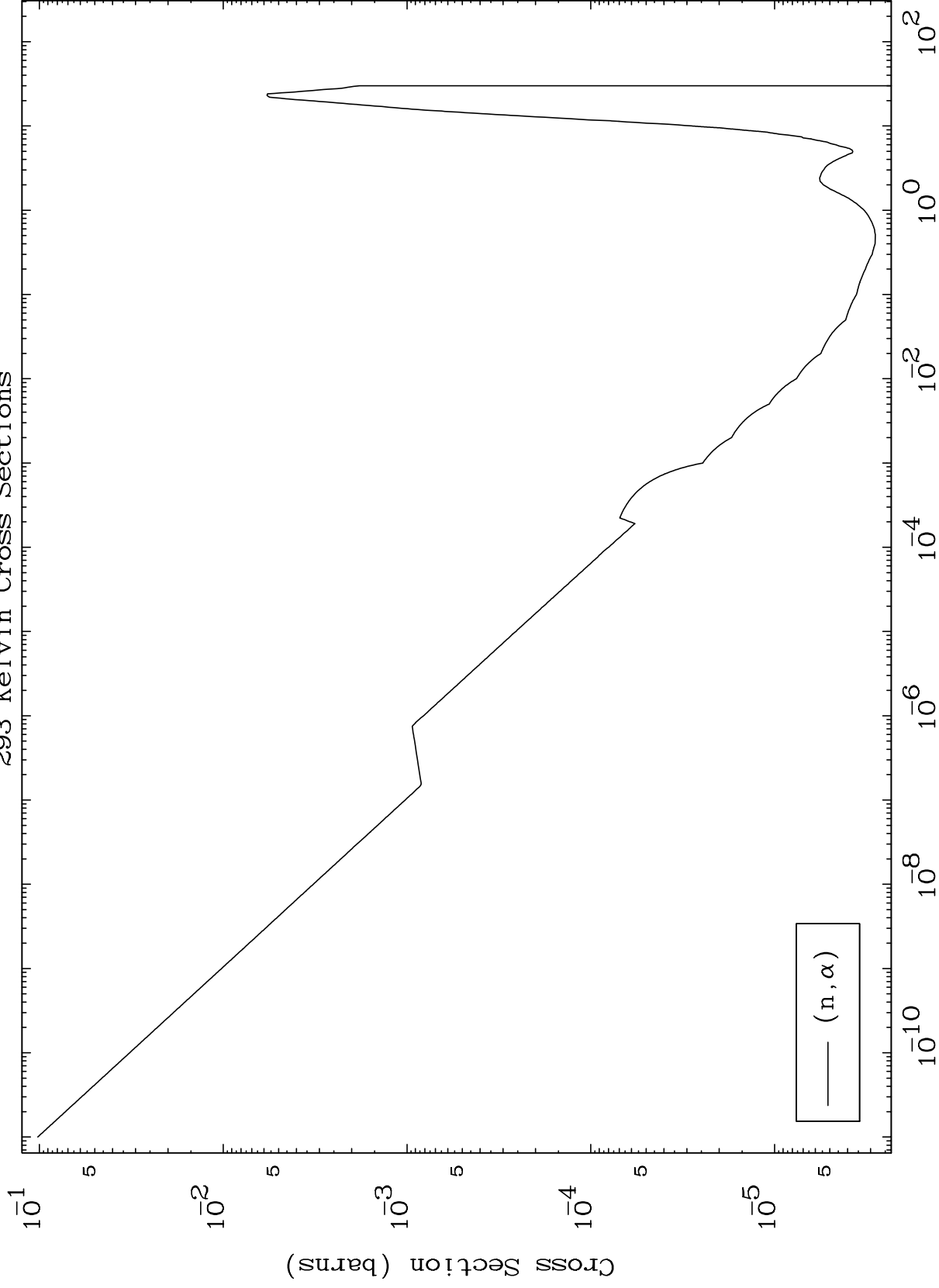
Incident Energy (MeV)

96-Cm-243

MAT 9634

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

96-Cm-243

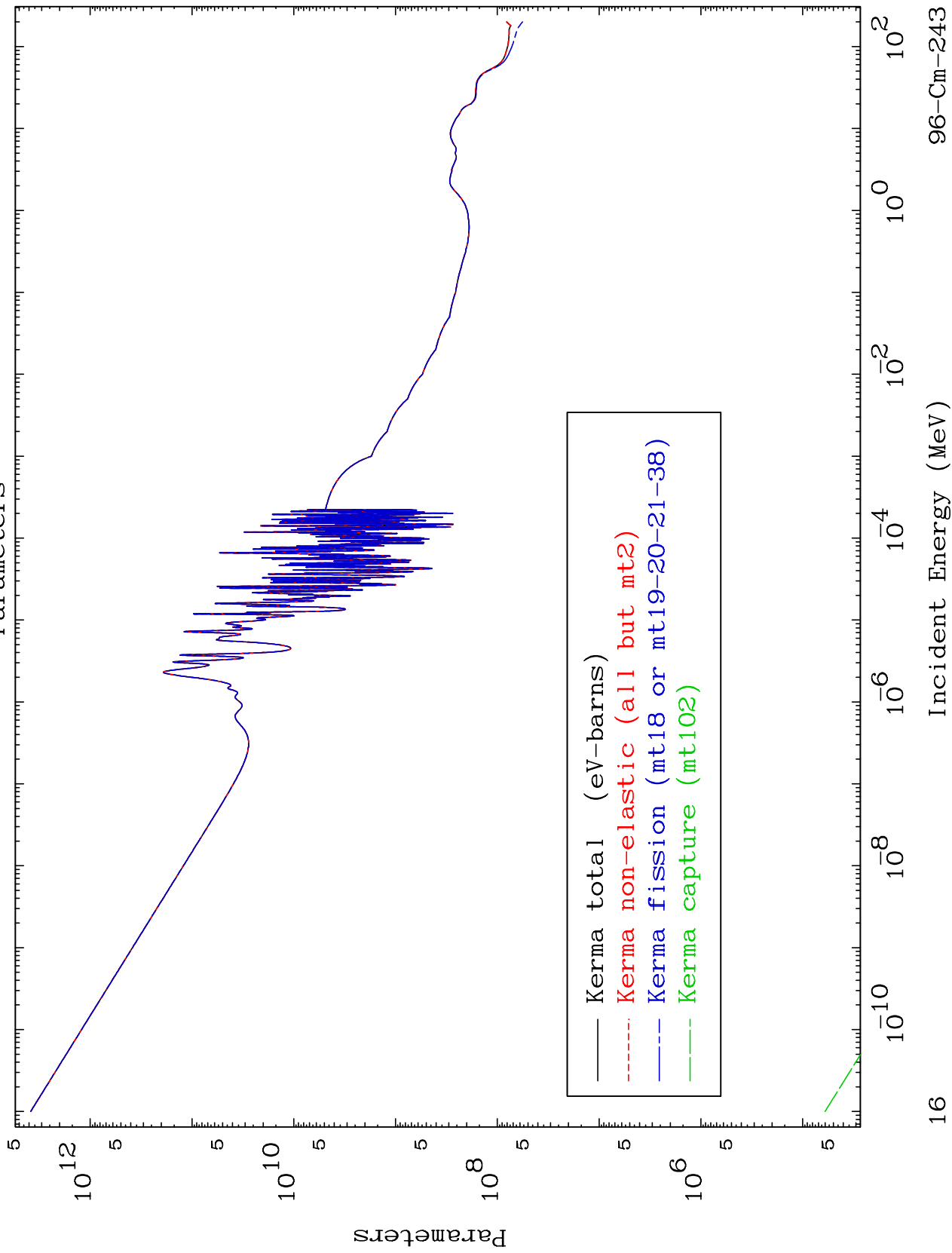


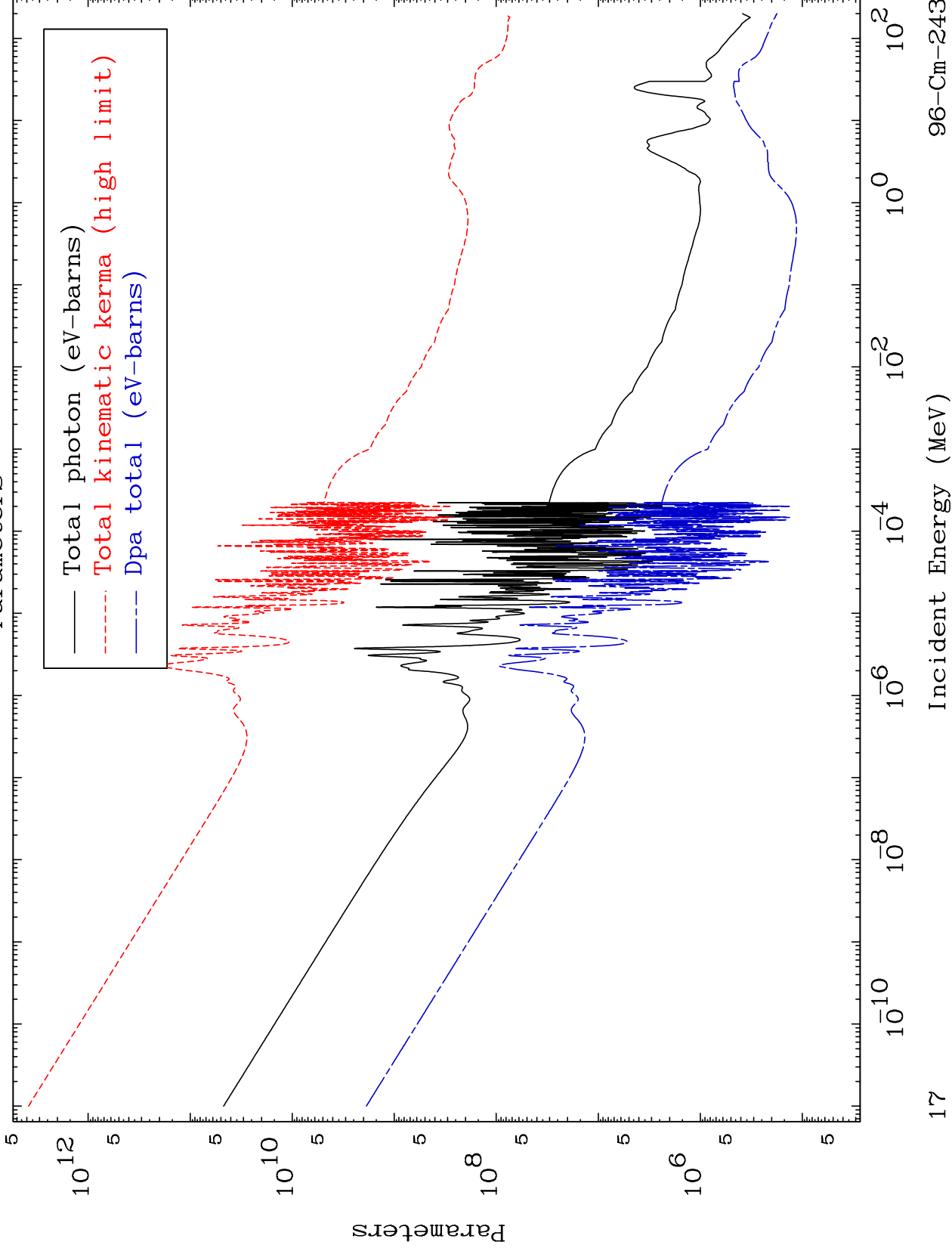
15

Incident Energy (MeV)

96-Cm-243



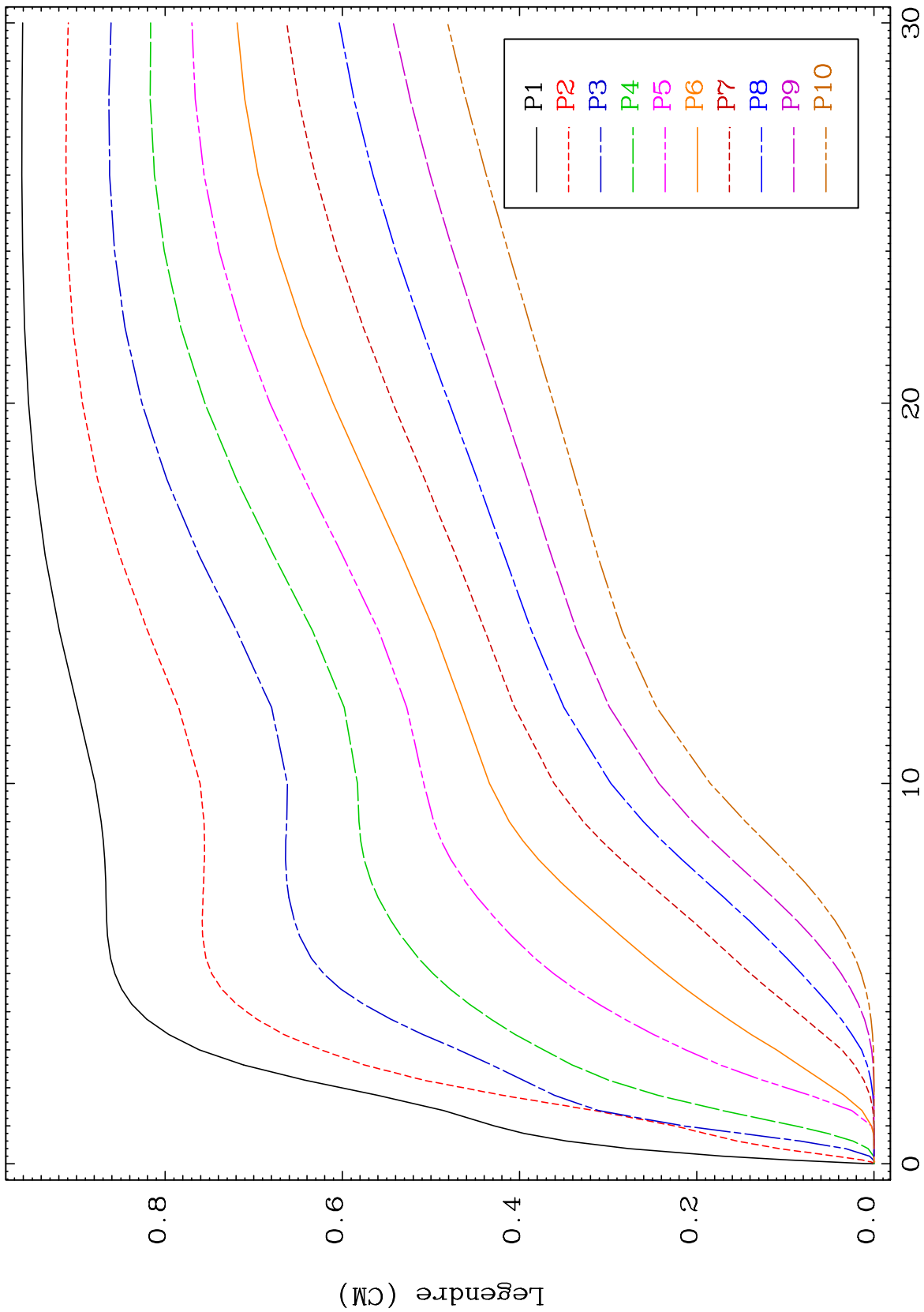




MAT 9634

96-Cm-243

Elastic Legendre Coefficients



96-Cm-243

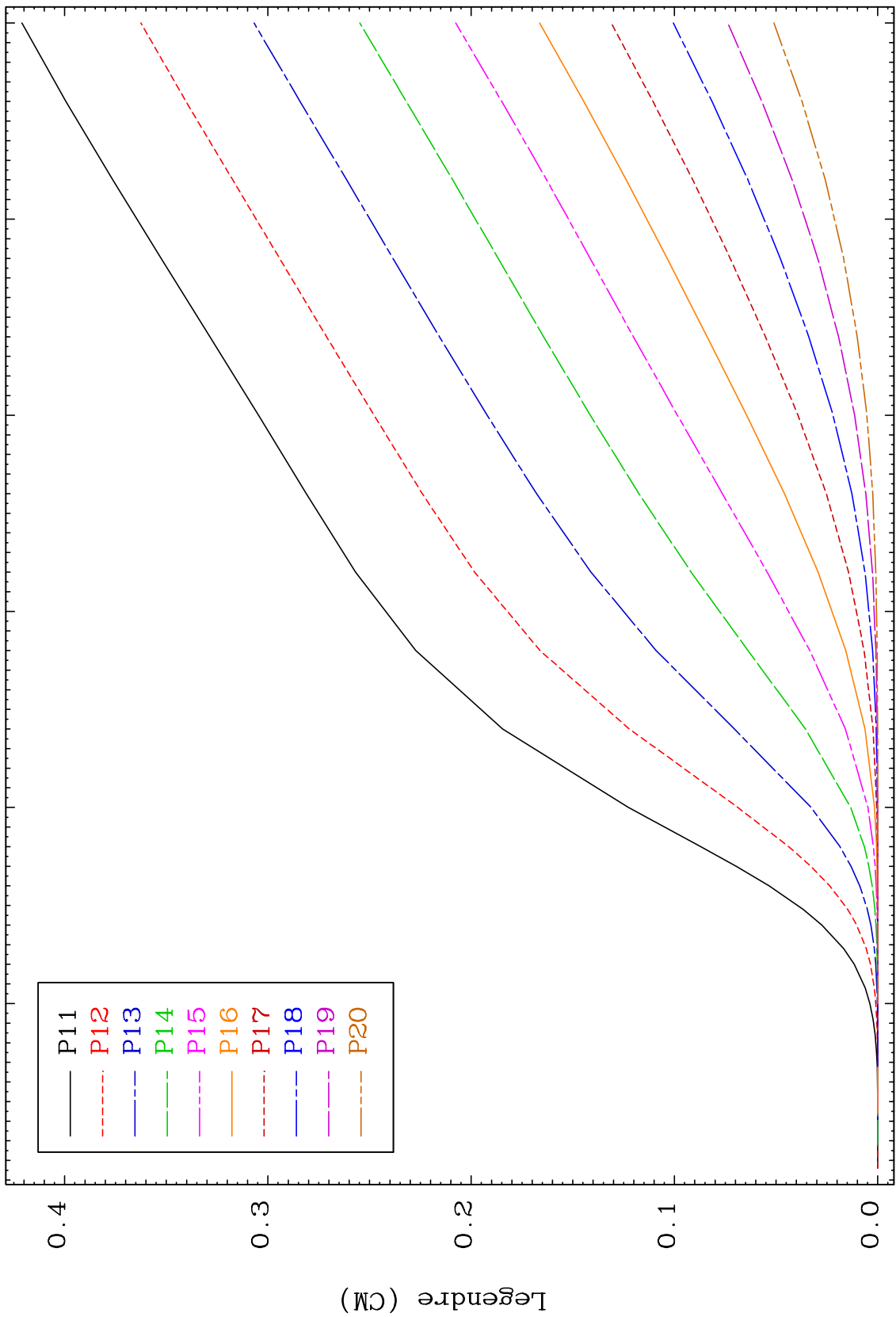
Incident Energy (MeV)

18

MAT 9634

Elastic Legendre Coefficients

96-Cm-243



19

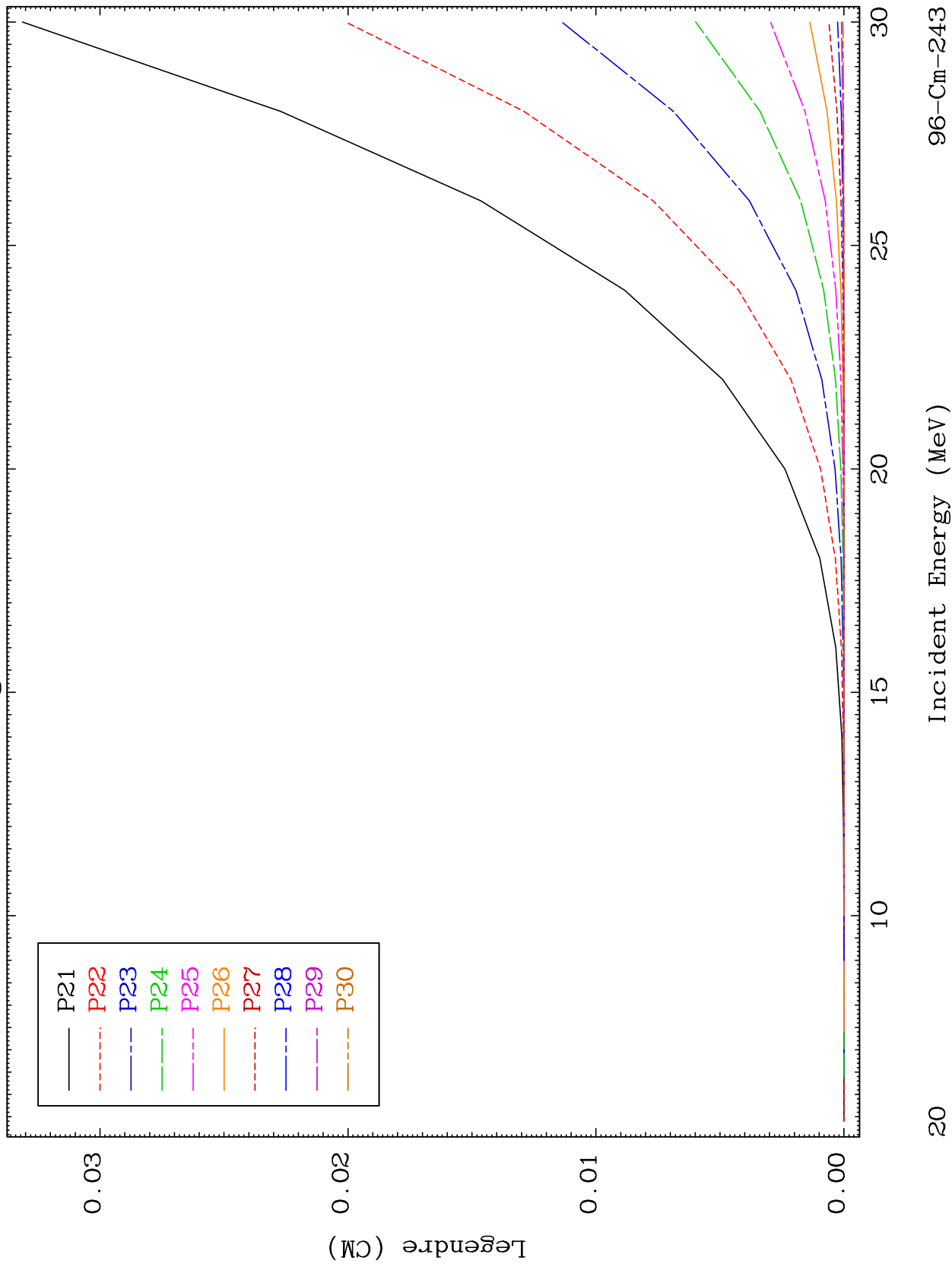
Incident Energy (MeV)

96-Cm-243

MAT 9634

### Elastic Legendre Coefficients

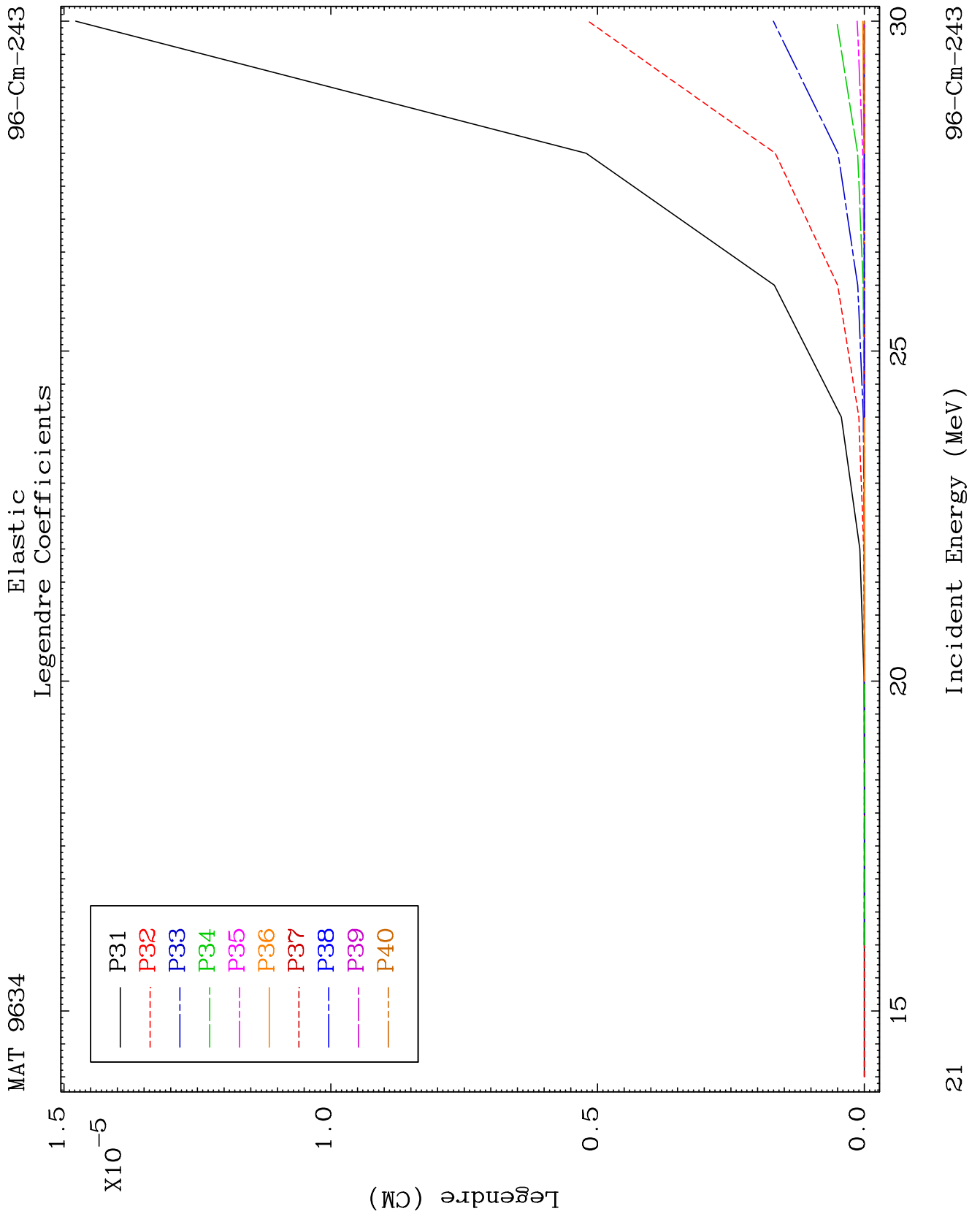
96-Cm-243



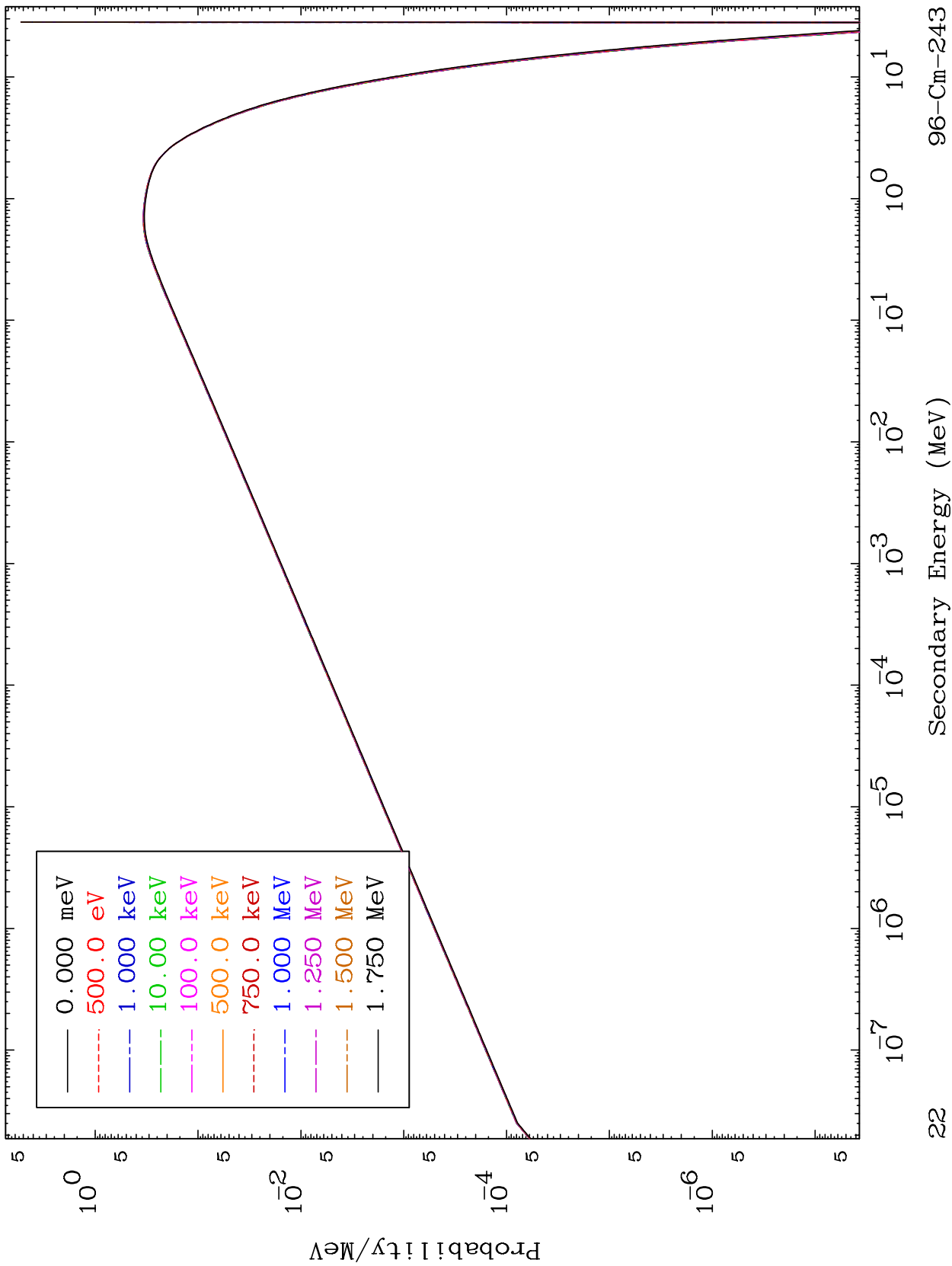
20

Incident Energy (MeV)

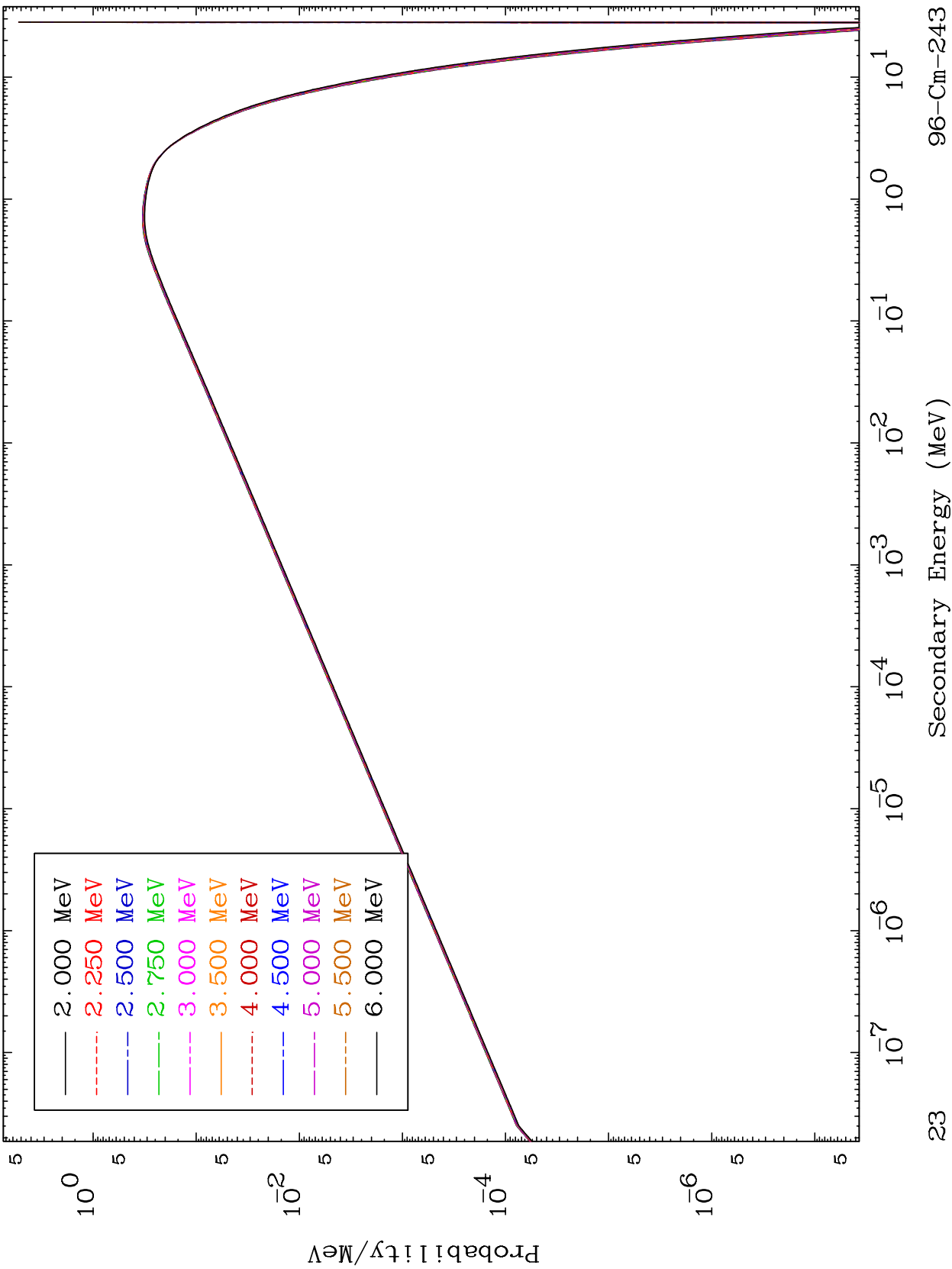
96-Cm-243



Fission Energy Distribution

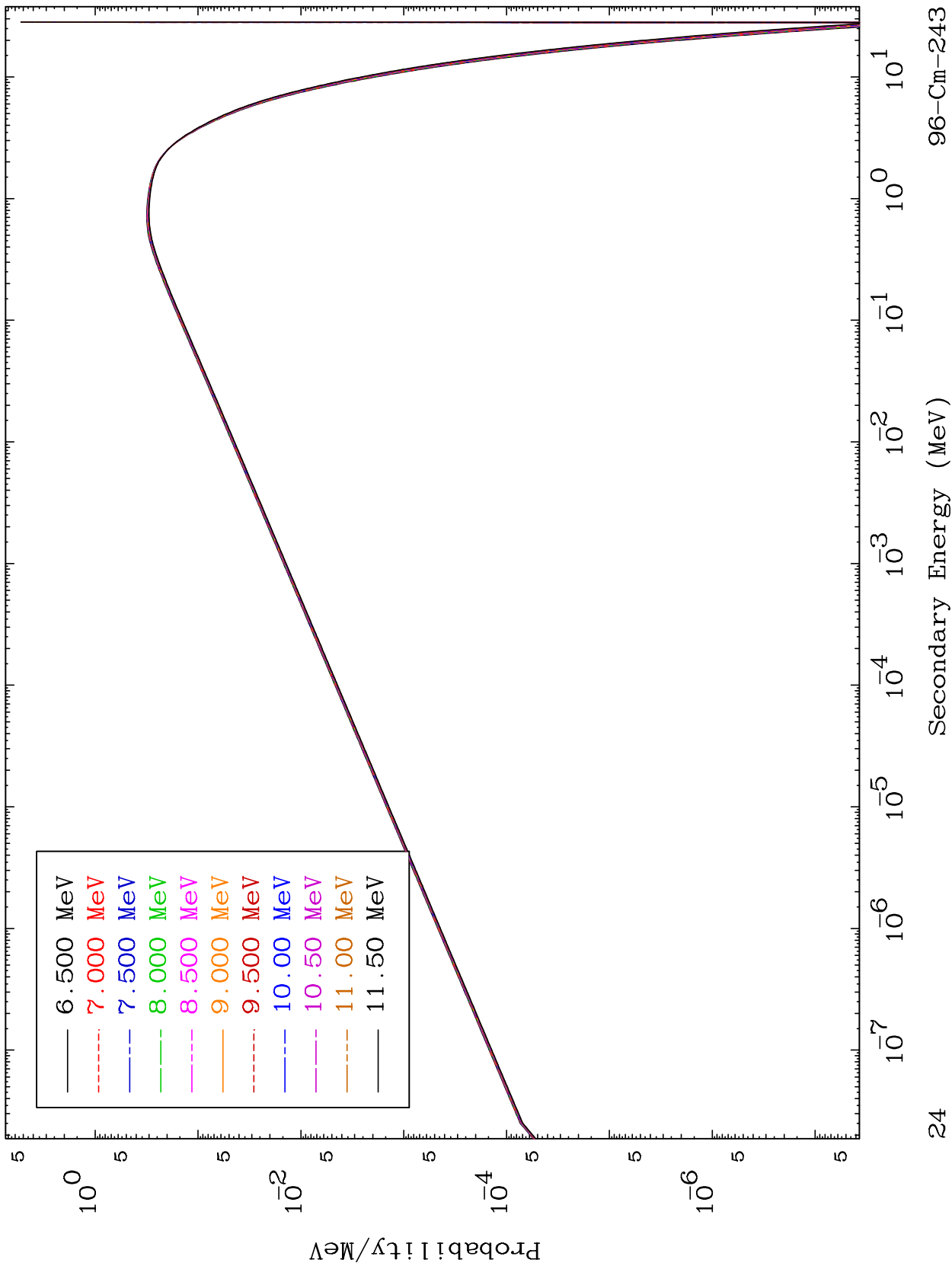


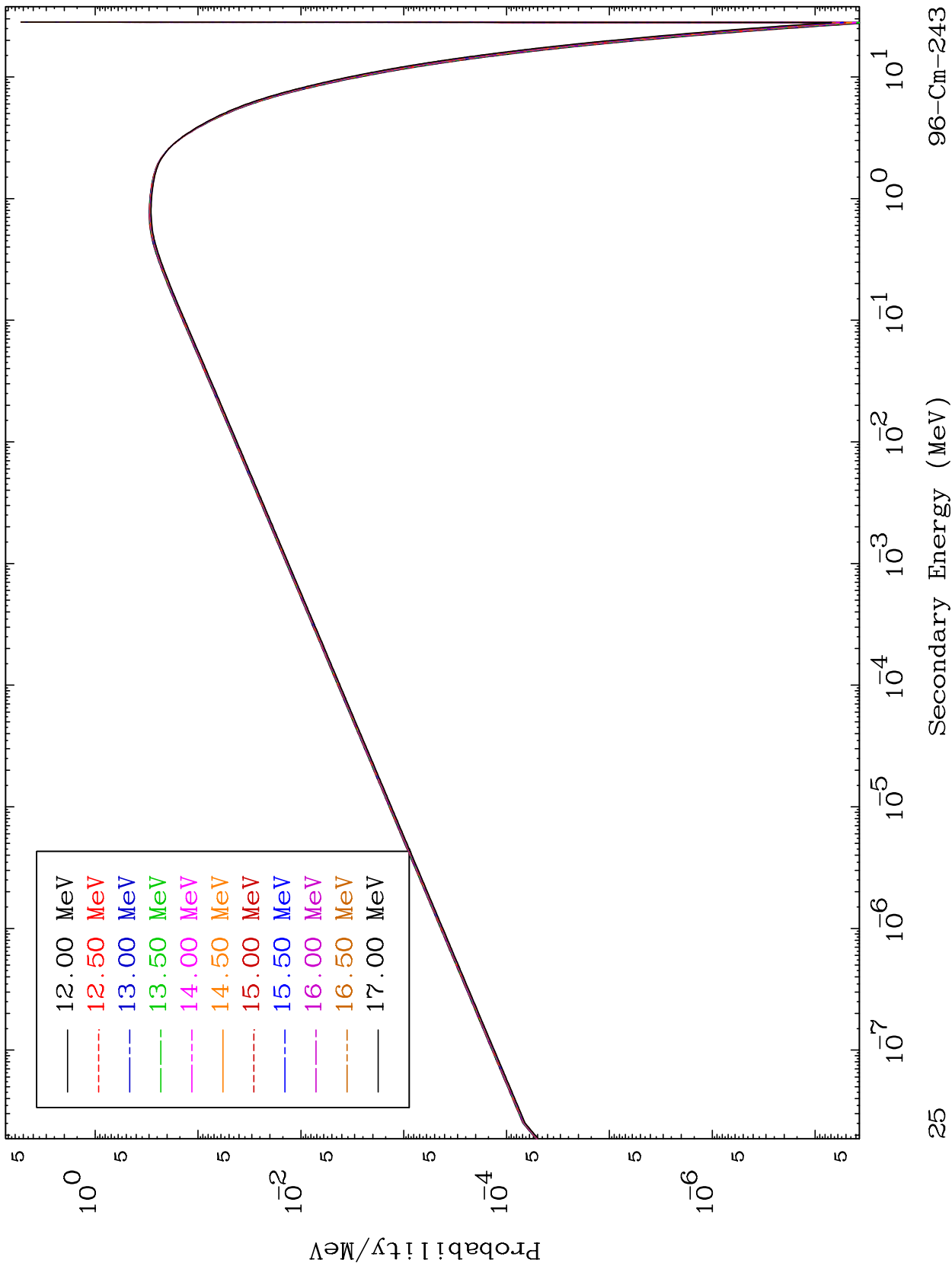
Fission Energy Distribution



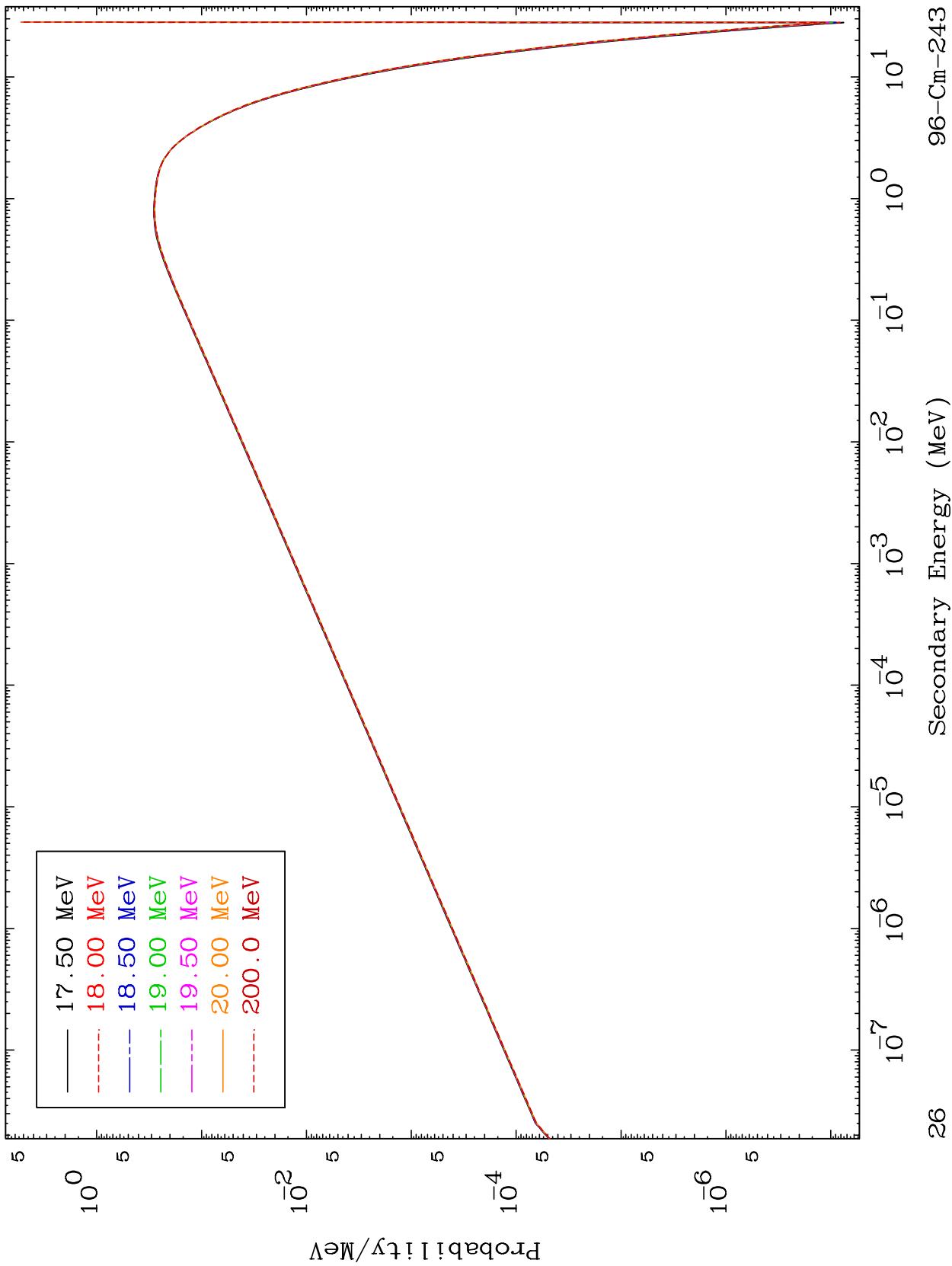


Fission Energy Distribution





Fission  
Energy Distribution

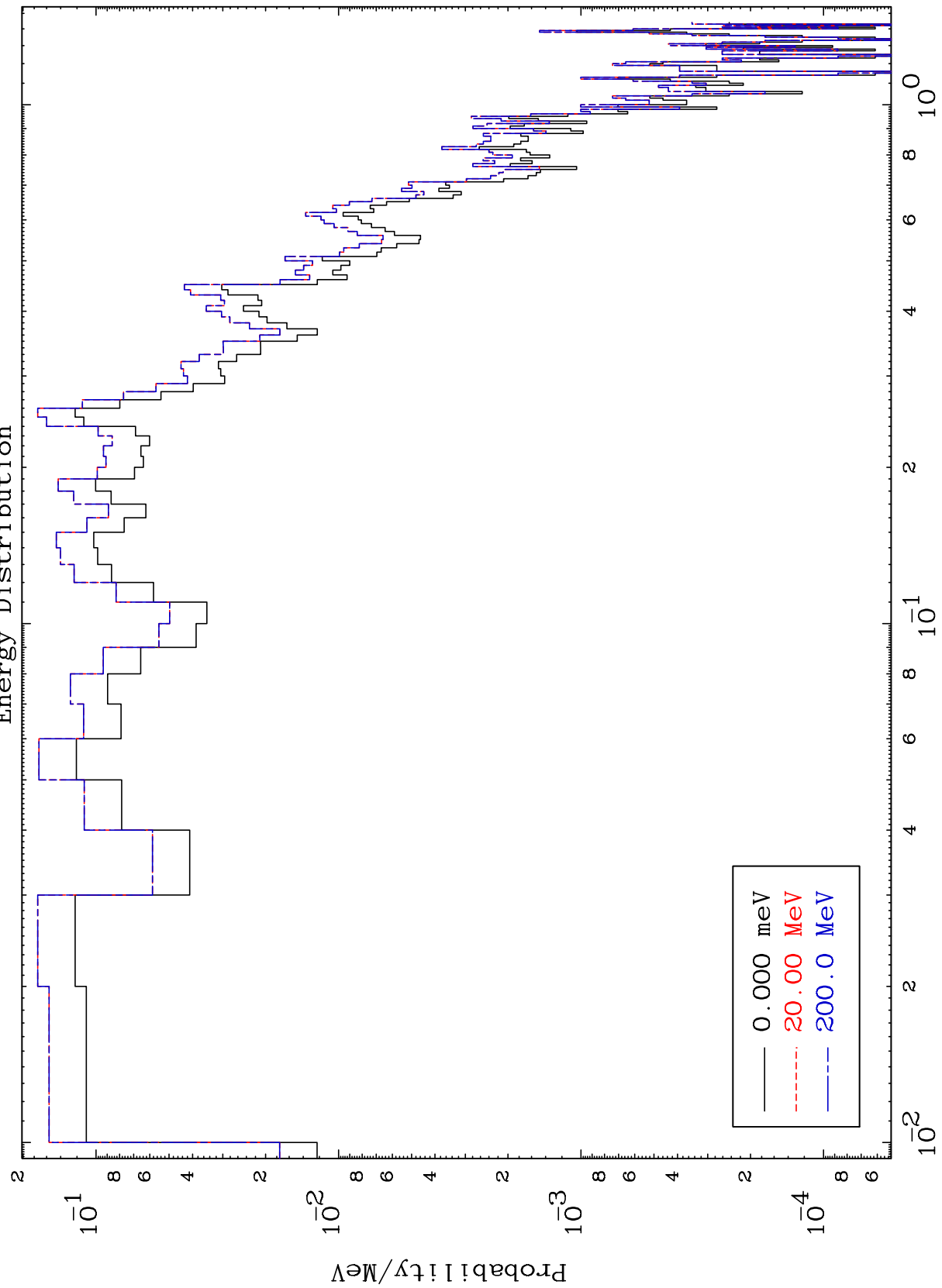


MAT 9634

Delayed  $\bar{\nu}$

96-Cm-243

Energy Distribution

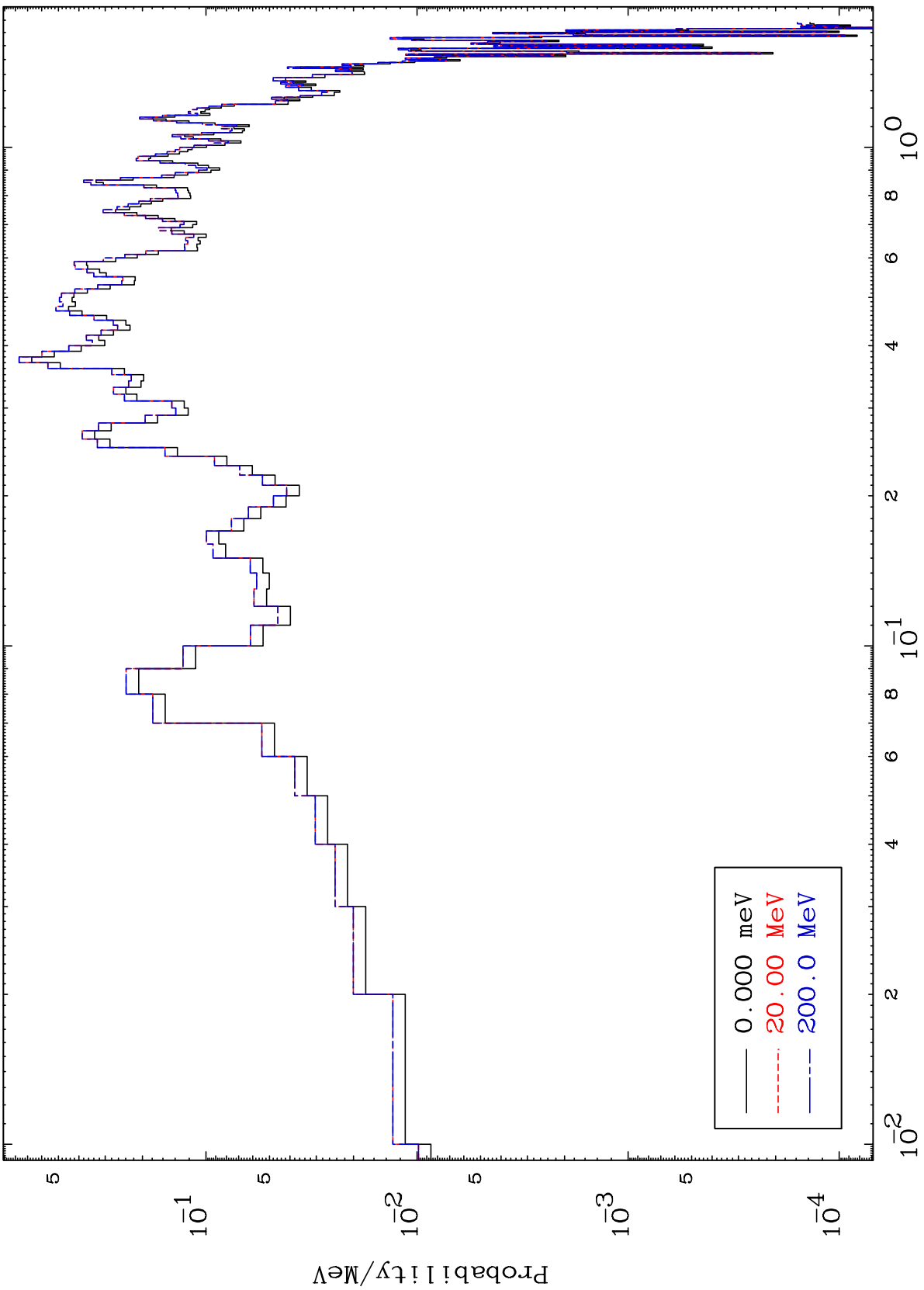


27

Secondary Energy (MeV)

96-Cm-243

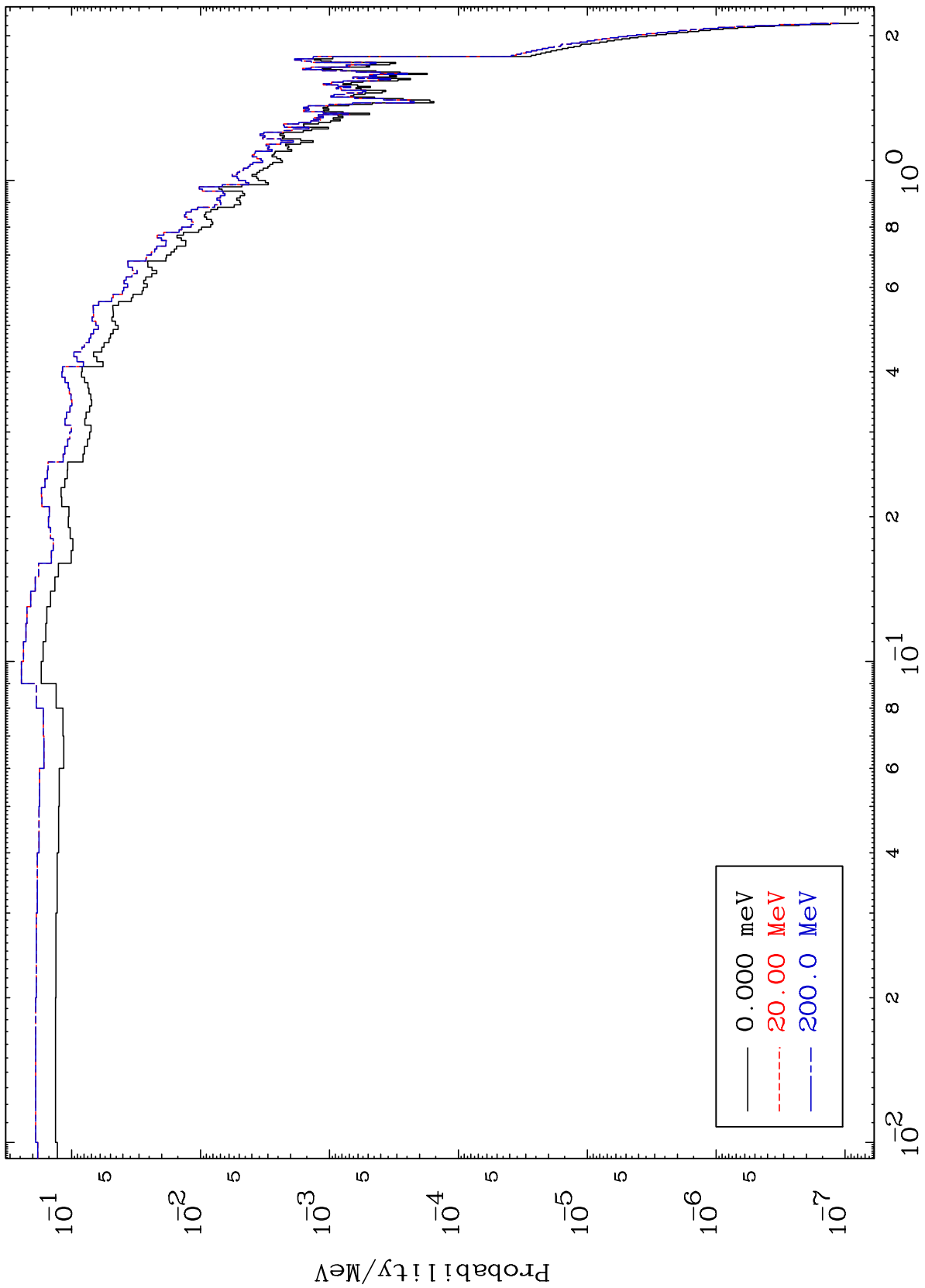
Energy Distribution



MAT 9634

96-Cm-243

Delayed  $\bar{\nu}$   
Energy Distribution



29

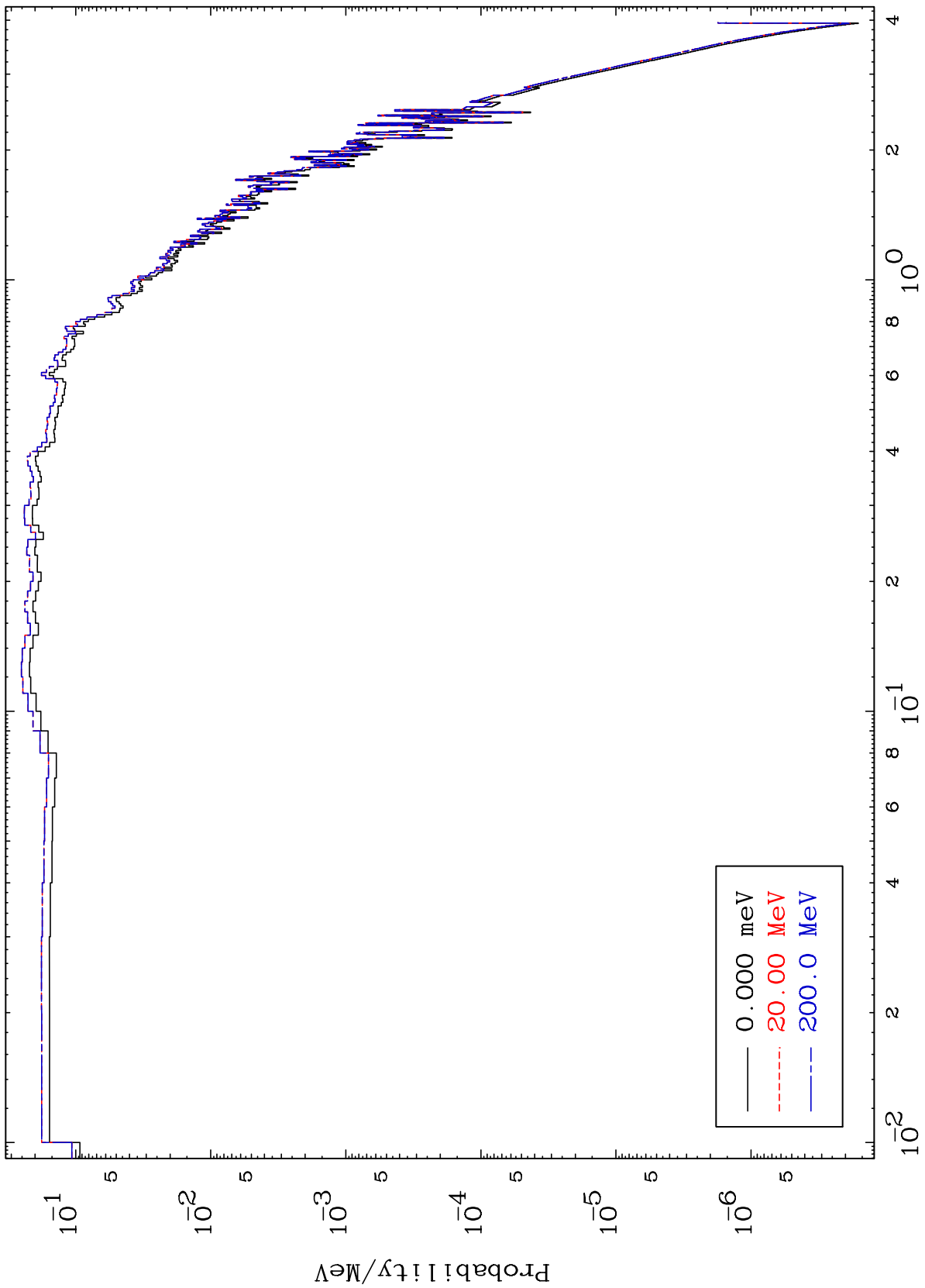
Secondary Energy (MeV)

96-Cm-243

MAT 9634

96-Cm-243

Delayed  $\bar{\nu}$   
Energy Distribution

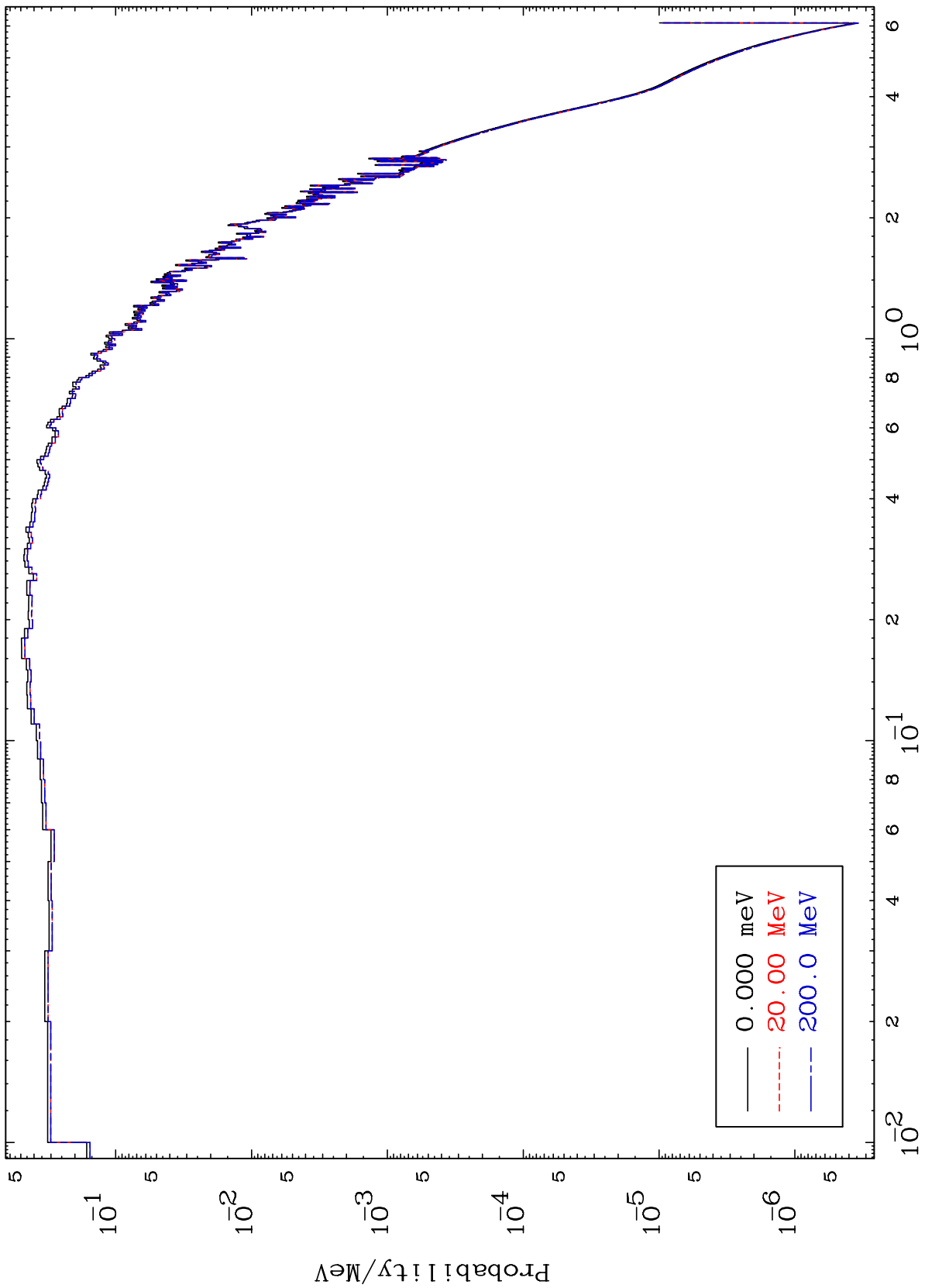


Secondary Energy (MeV)

96-Cm-243

30

Delayed  $\bar{\nu}$   
Energy Distribution

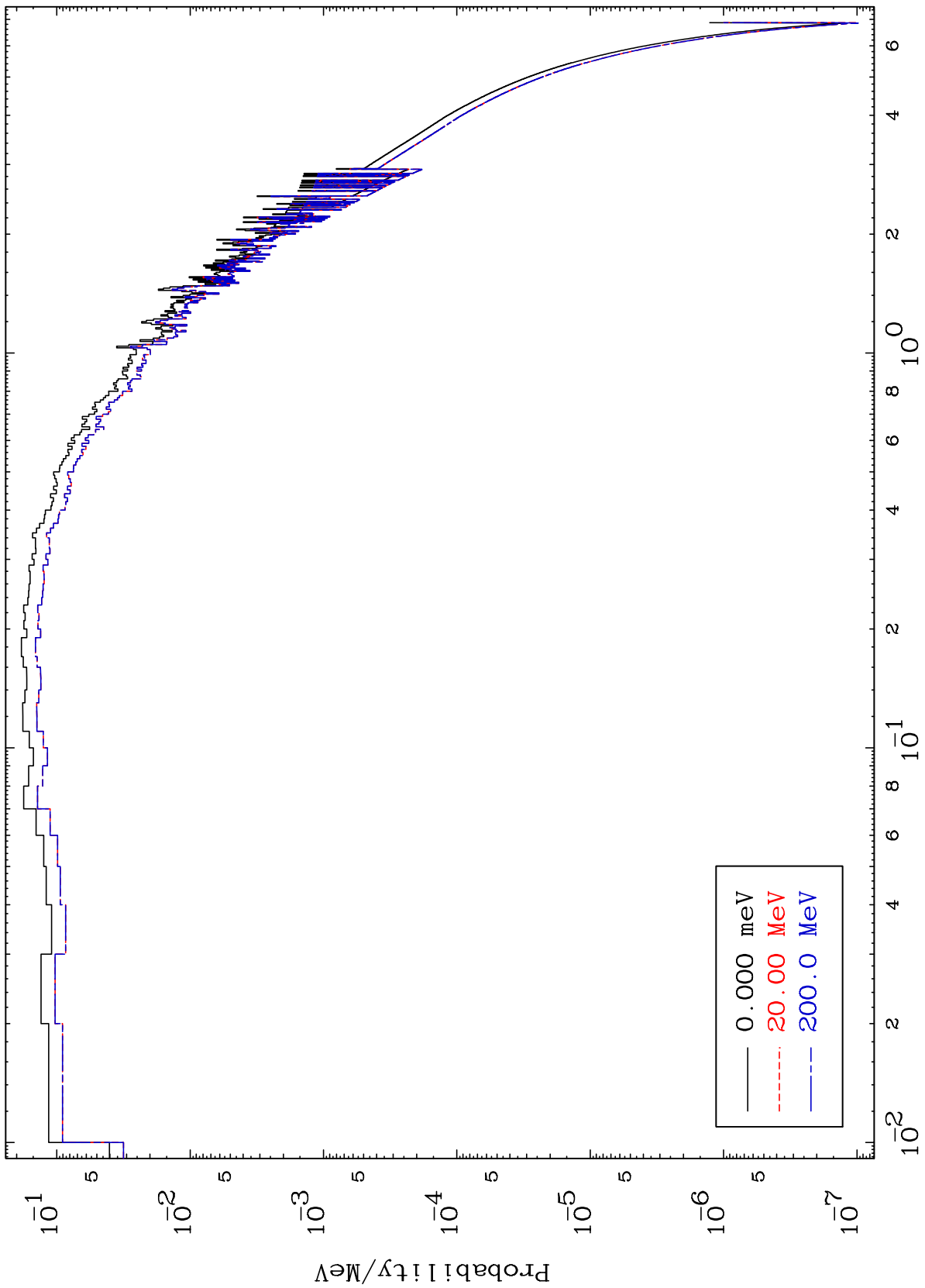




MAT 9634

96-Cm-243

Delayed  $\bar{\nu}$   
Energy Distribution



32

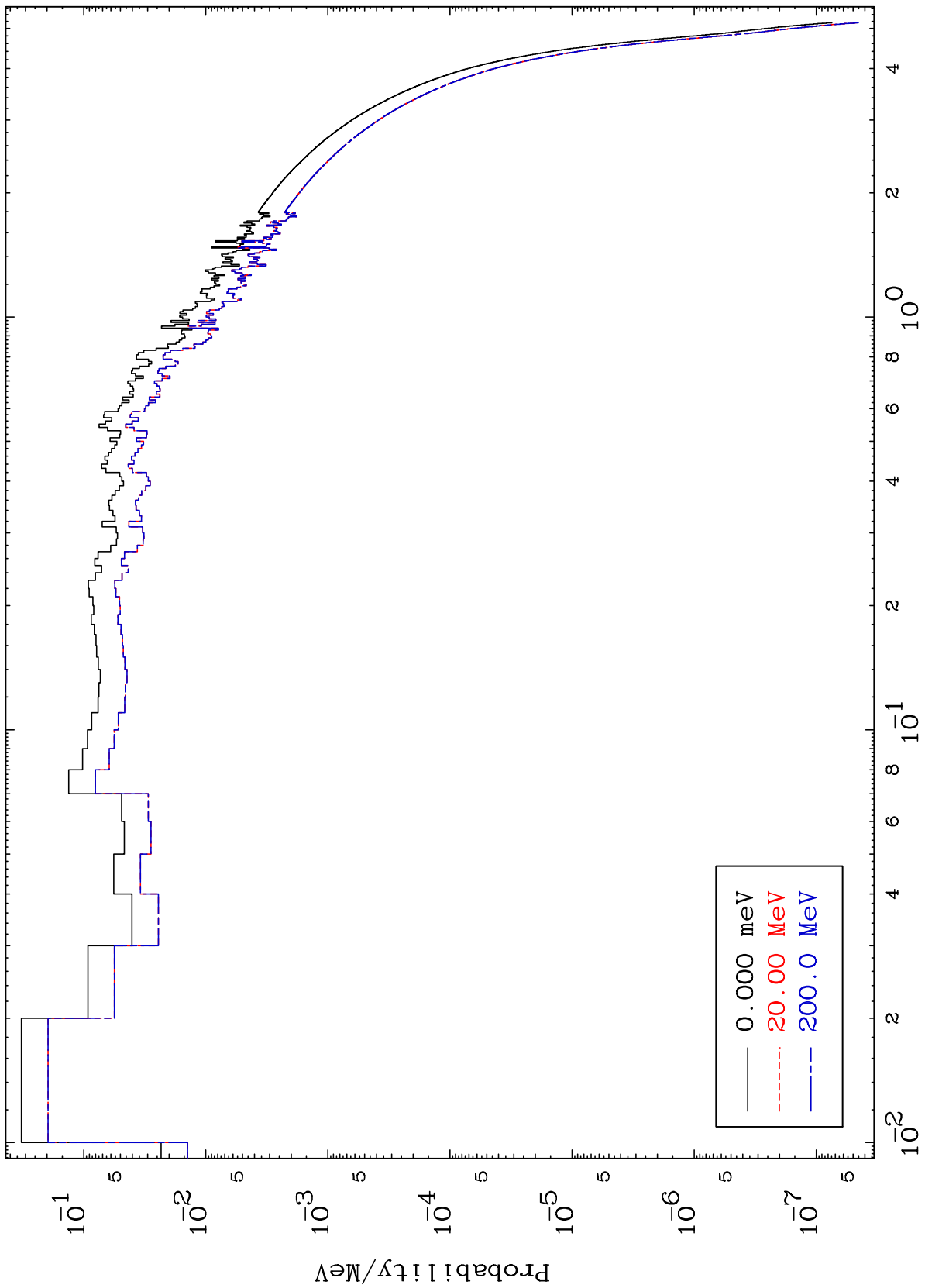
Secondary Energy (MeV)

96-Cm-243

MAT 9634

96-Cm-243

Delayed  $\bar{\nu}$   
Energy Distribution



Secondary Energy (MeV)

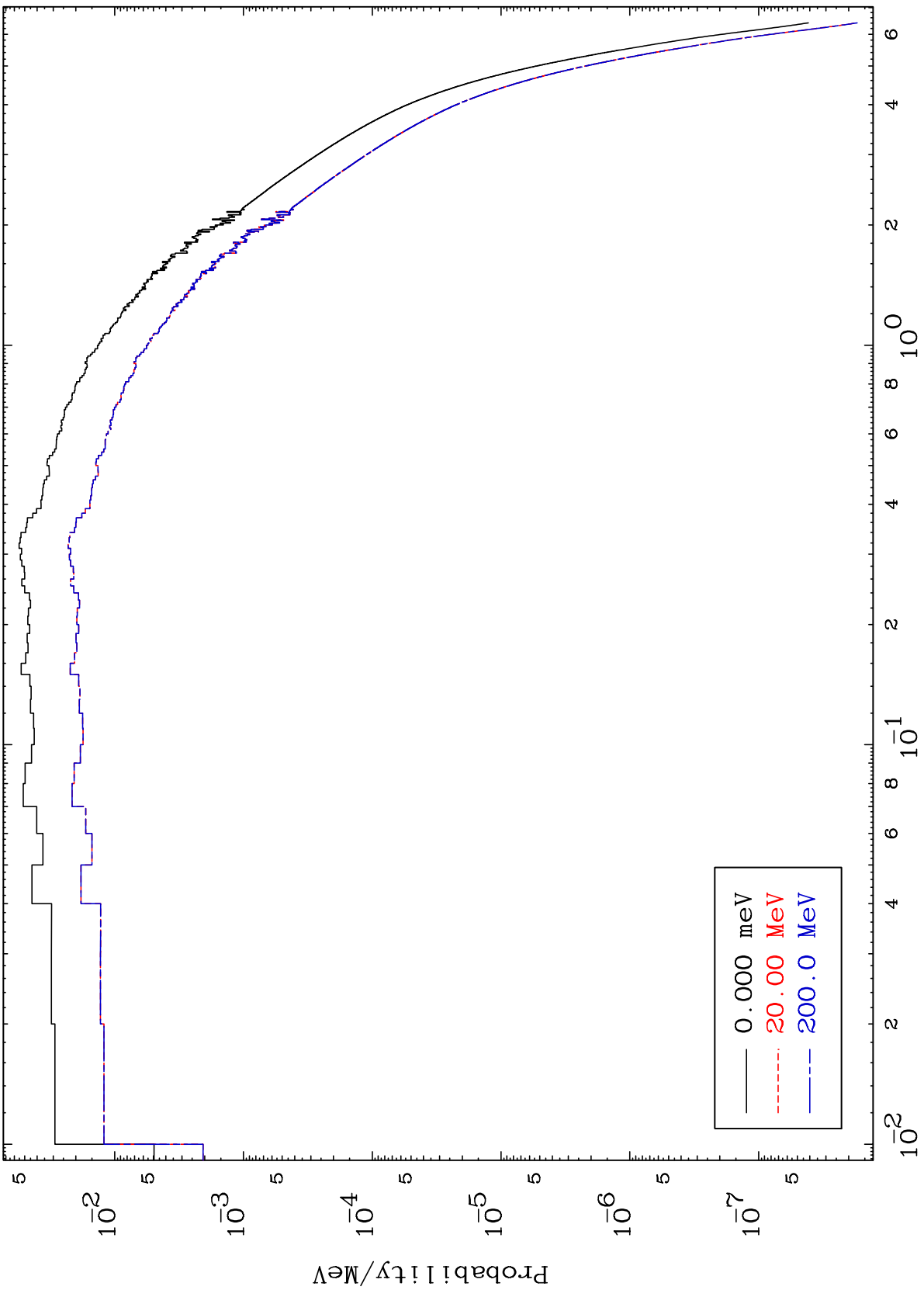
96-Cm-243

33

MAT 9634

96-Cm-243

Delayed  $\bar{\nu}$   
Energy Distribution



34

Secondary Energy (MeV)

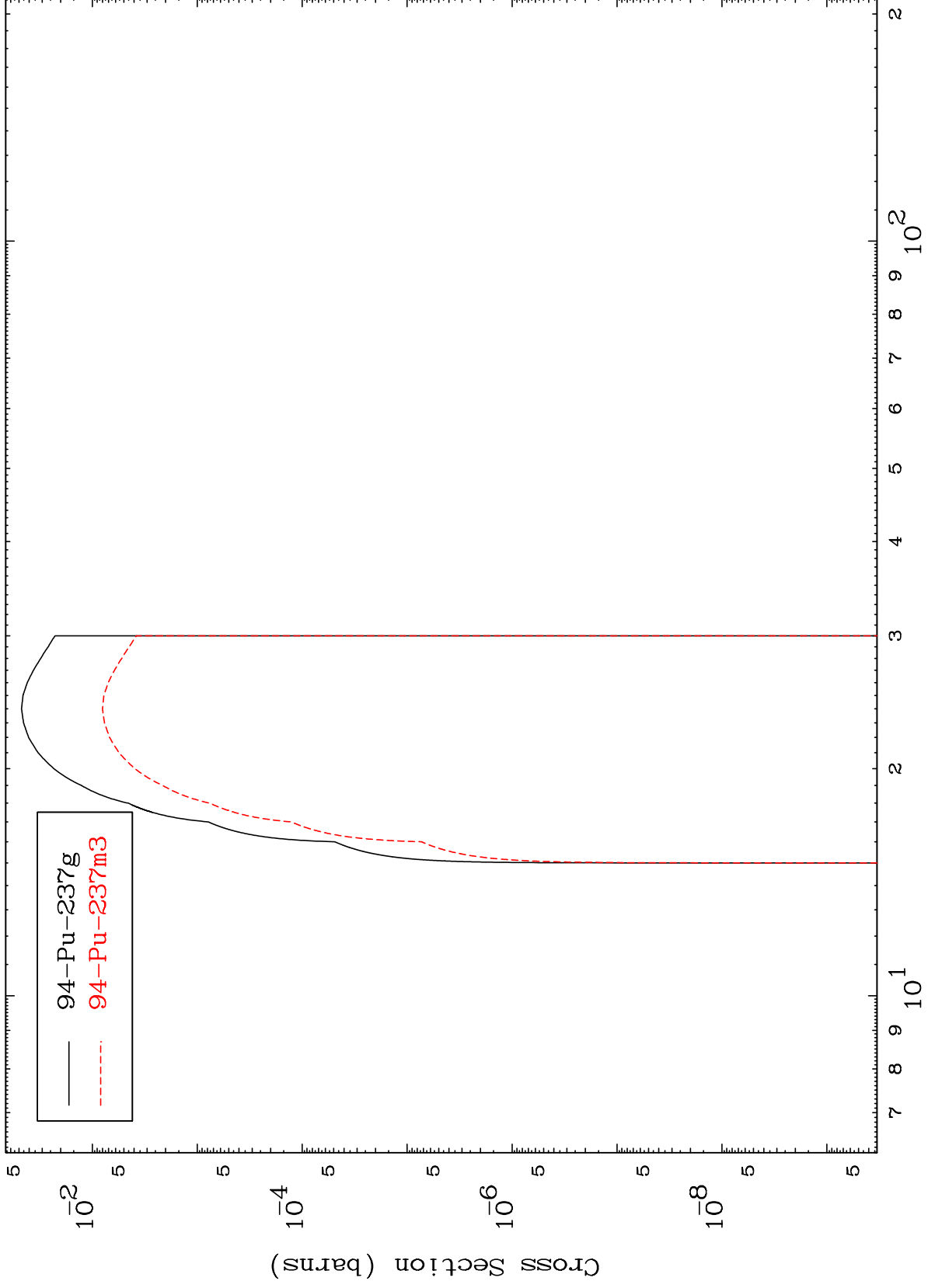
96-Cm-243

MAT 9634

(n,3n)  $\alpha$

96-Cm-243

Radionuclide Production Cross Section



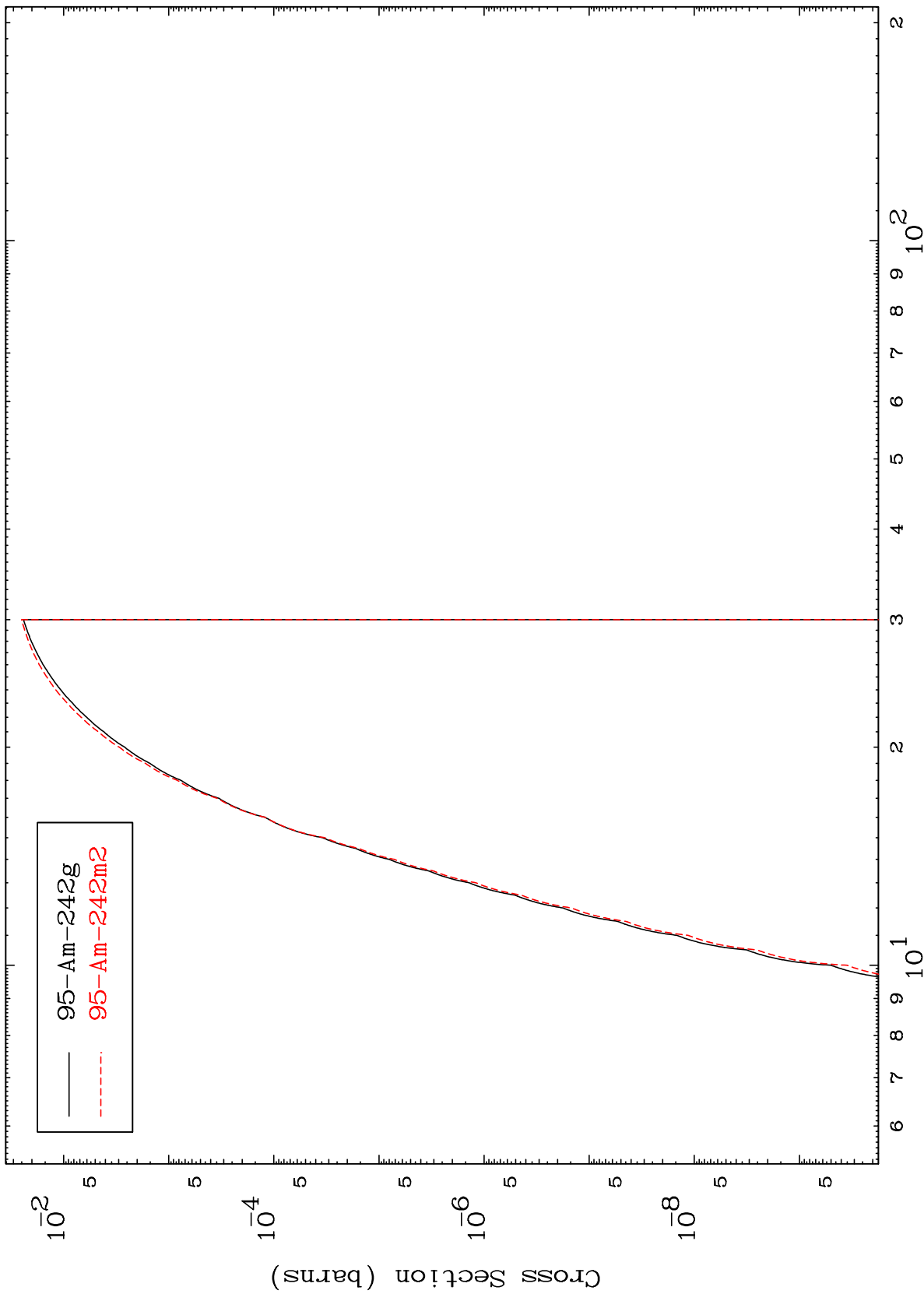
— 94-Pu-237g  
- - - 94-Pu-237m3

MAT 9634

(n,n') p

96-Cm-243

Radionuclide Production Cross Section



Legend:  
— 95-Am-242g  
- - - 95-Am-242m2

36

Incident Energy (MeV)

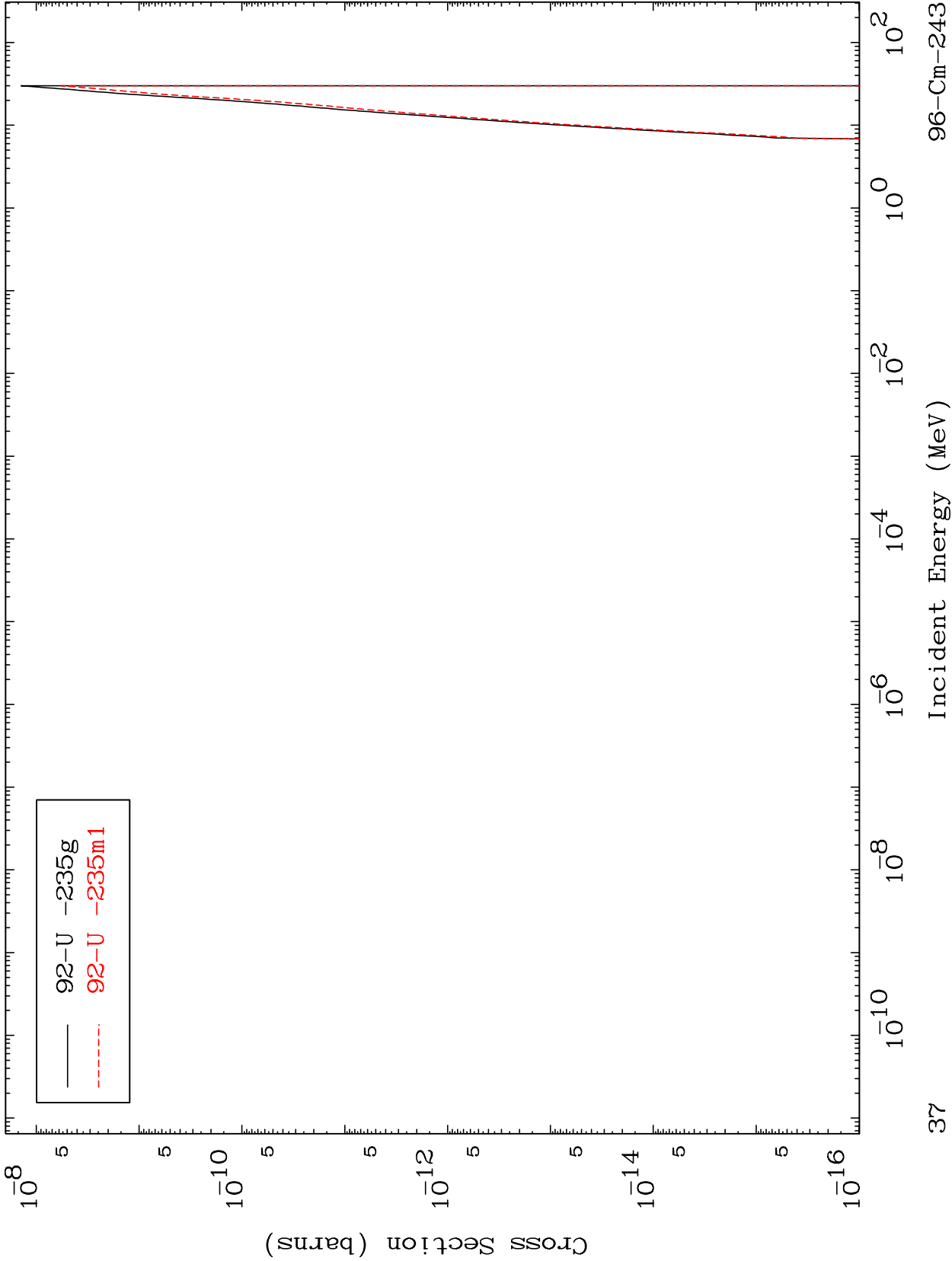
96-Cm-243

MAT 9634

(n,n') 2 $\alpha$

96-Cm-243

Radionuclide Production Cross Section

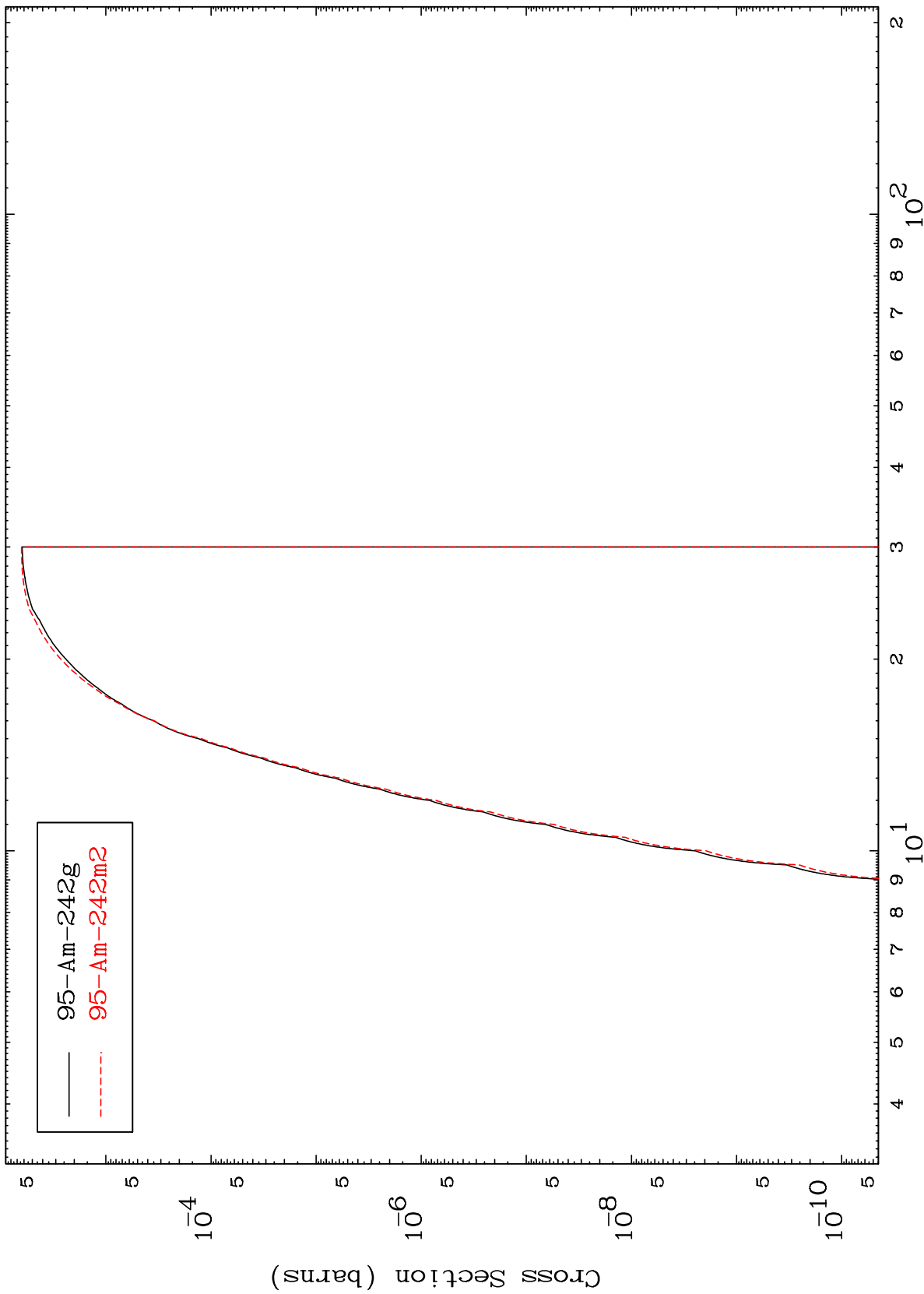


92-U -235g  
92-U -235m1

MAT 9634

96-Cm-243

(n,d)  
Radionuclide Production Cross Section



38

Incident Energy (MeV)

96-Cm-243