

Program EVALPLOT  
(Version 2021-1)

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

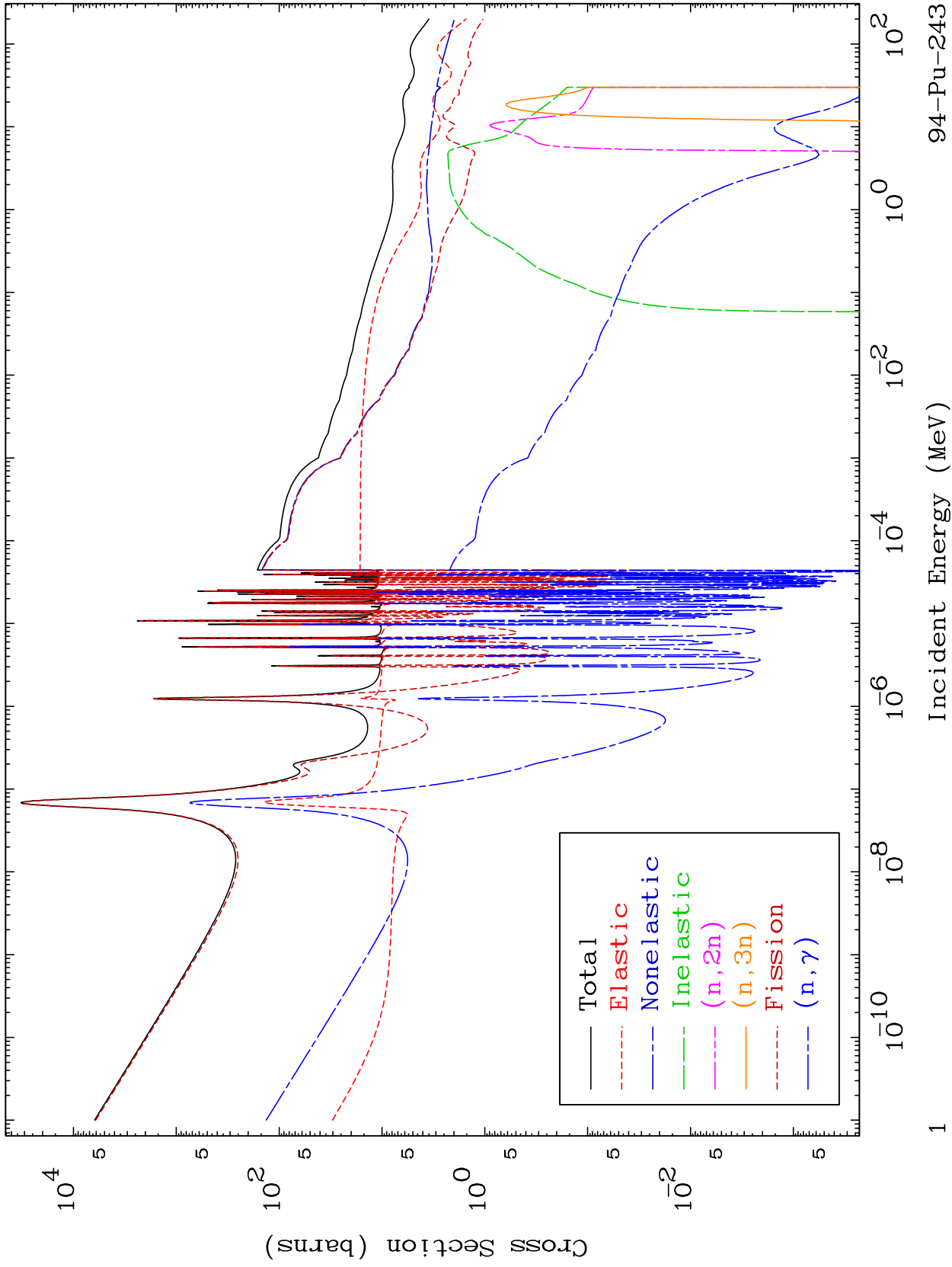
Web:redcullen1.net/HOMEPAGE.NEW

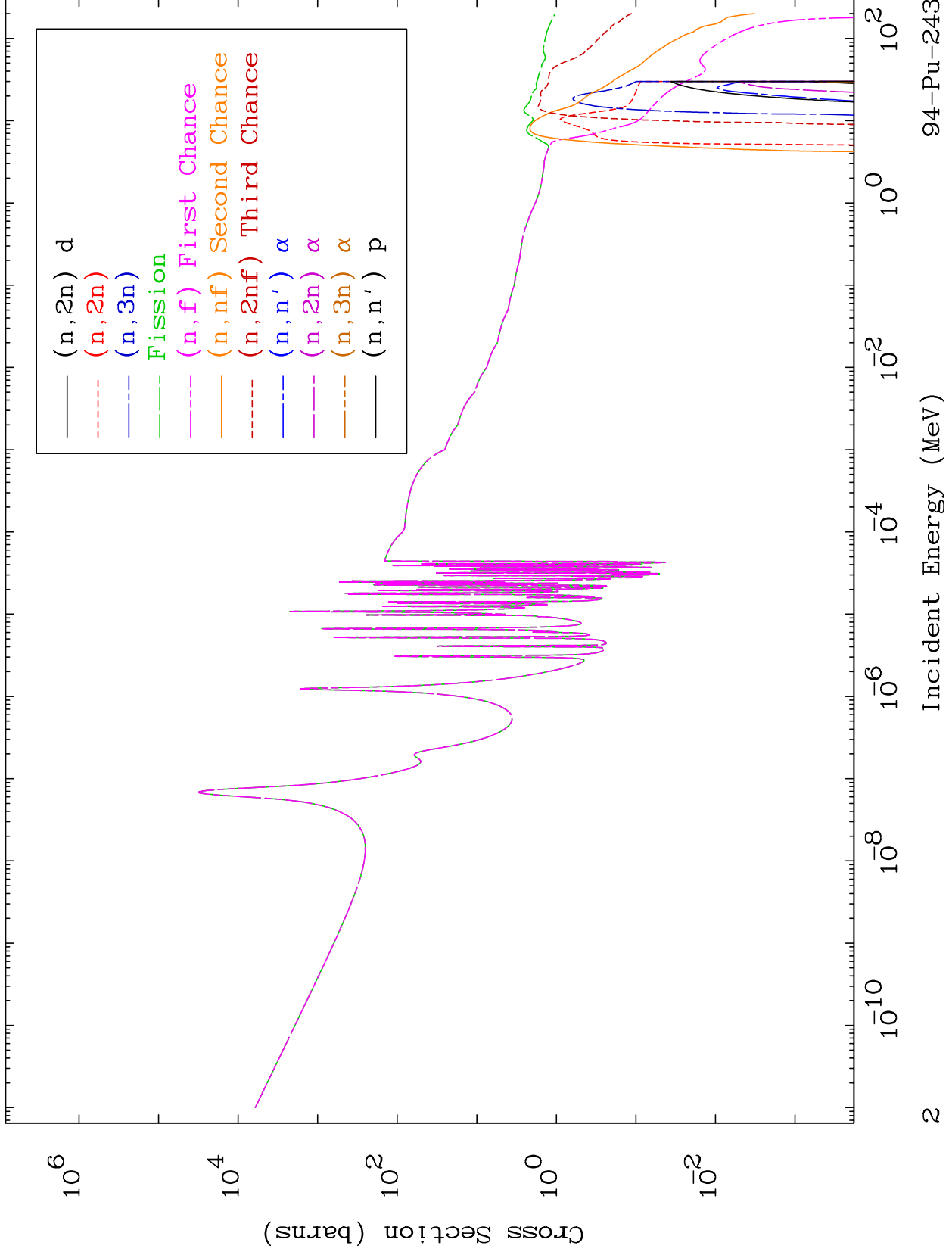
Press Mouse Button to Start

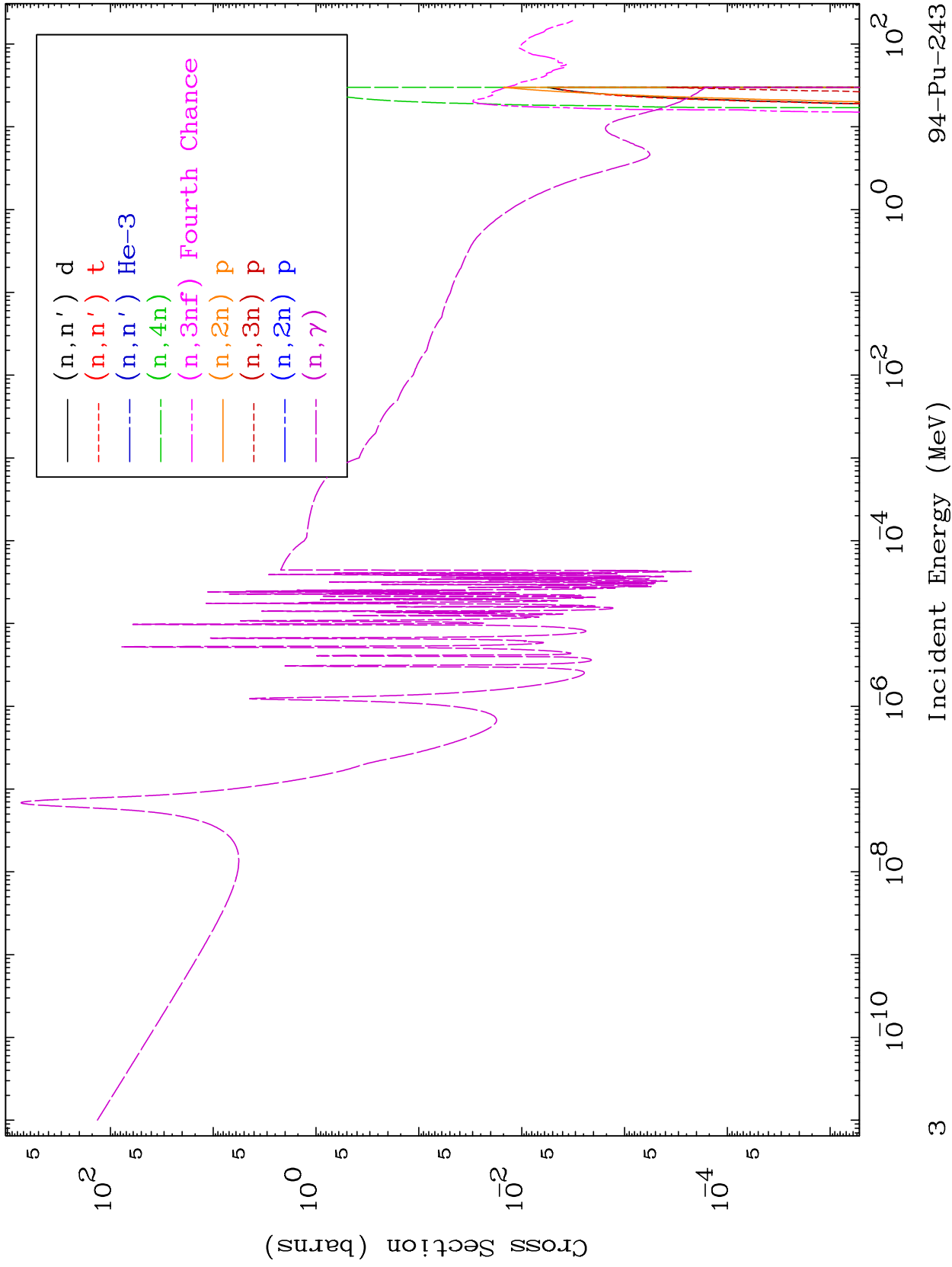
MAT 9449

Neutron Major  
293 Kelvin Cross Sections

94-Pu-243



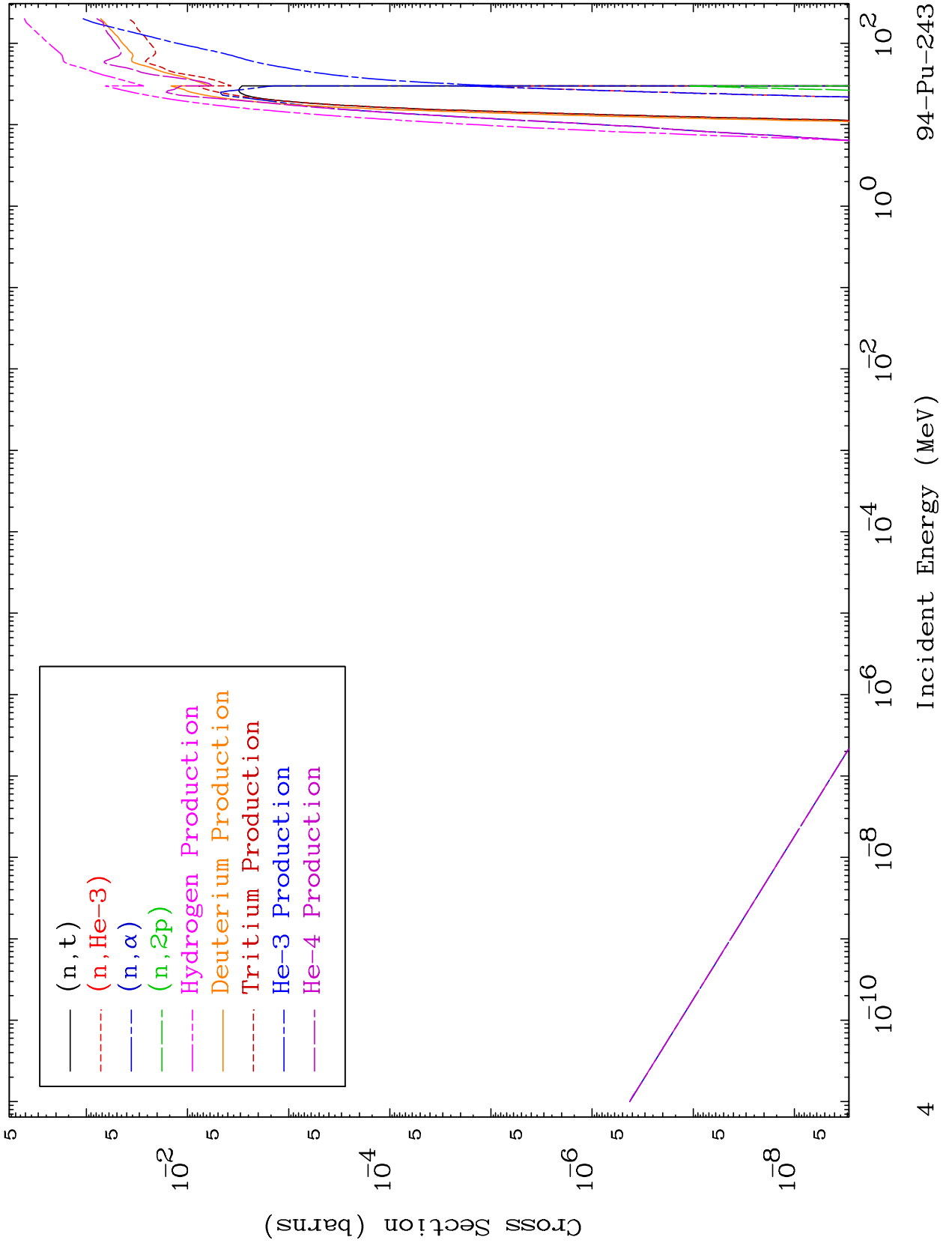




MAT 9449

Neutron Absorption  
293 Kelvin Cross Sections

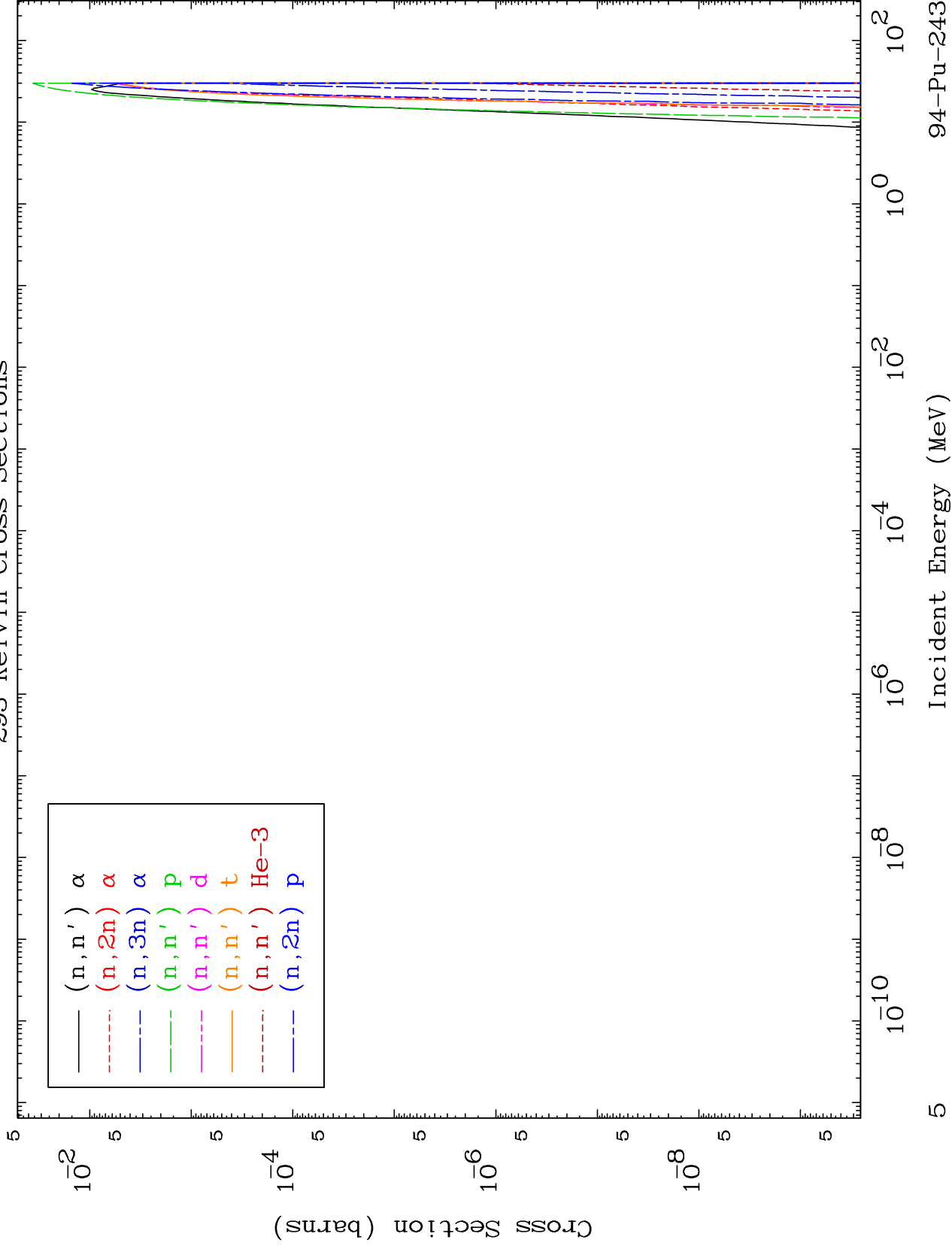
94-Pu-243



MAT 9449

Charged Particle  
293 Kelvin Cross Sections

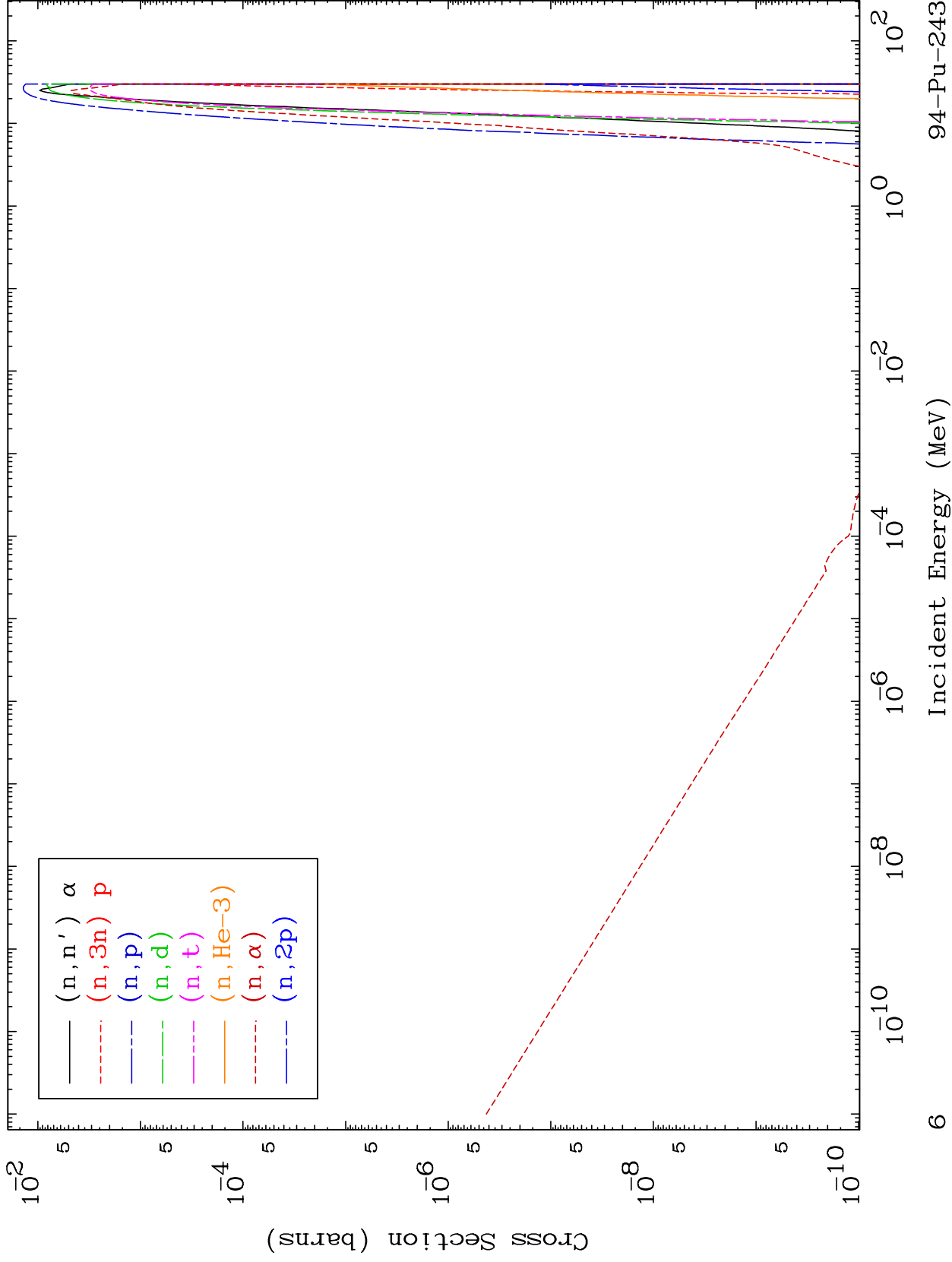
94-Pu-243



MAT 9449

Charged Particle  
293 Kelvin Cross Sections

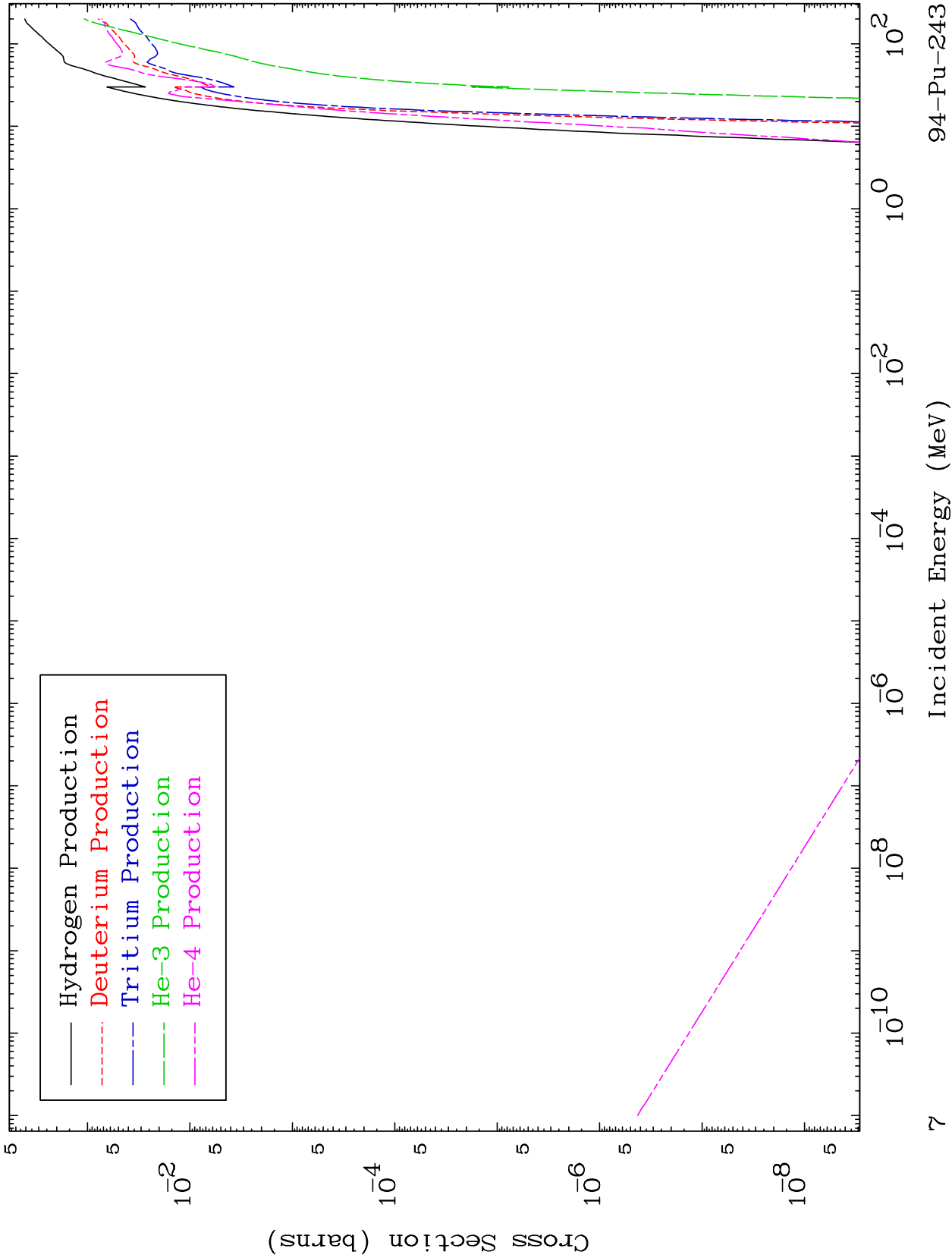
94-Pu-243



MAT 9449

Particle Production  
293 Kelvin Cross Sections

94-Pu-243

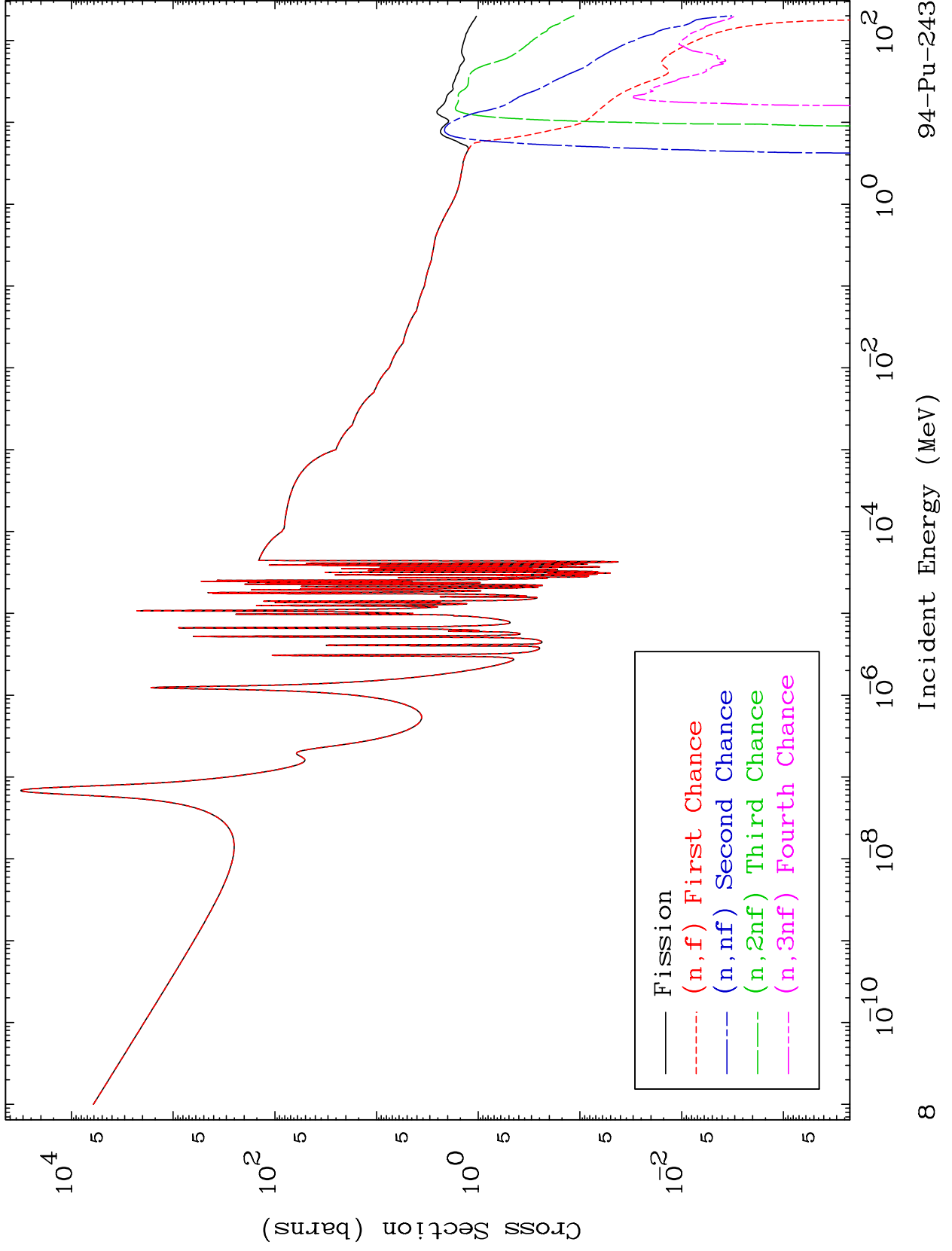




MAT 9449

Fission  
293 Kelvin Cross Sections

94-Pu-243

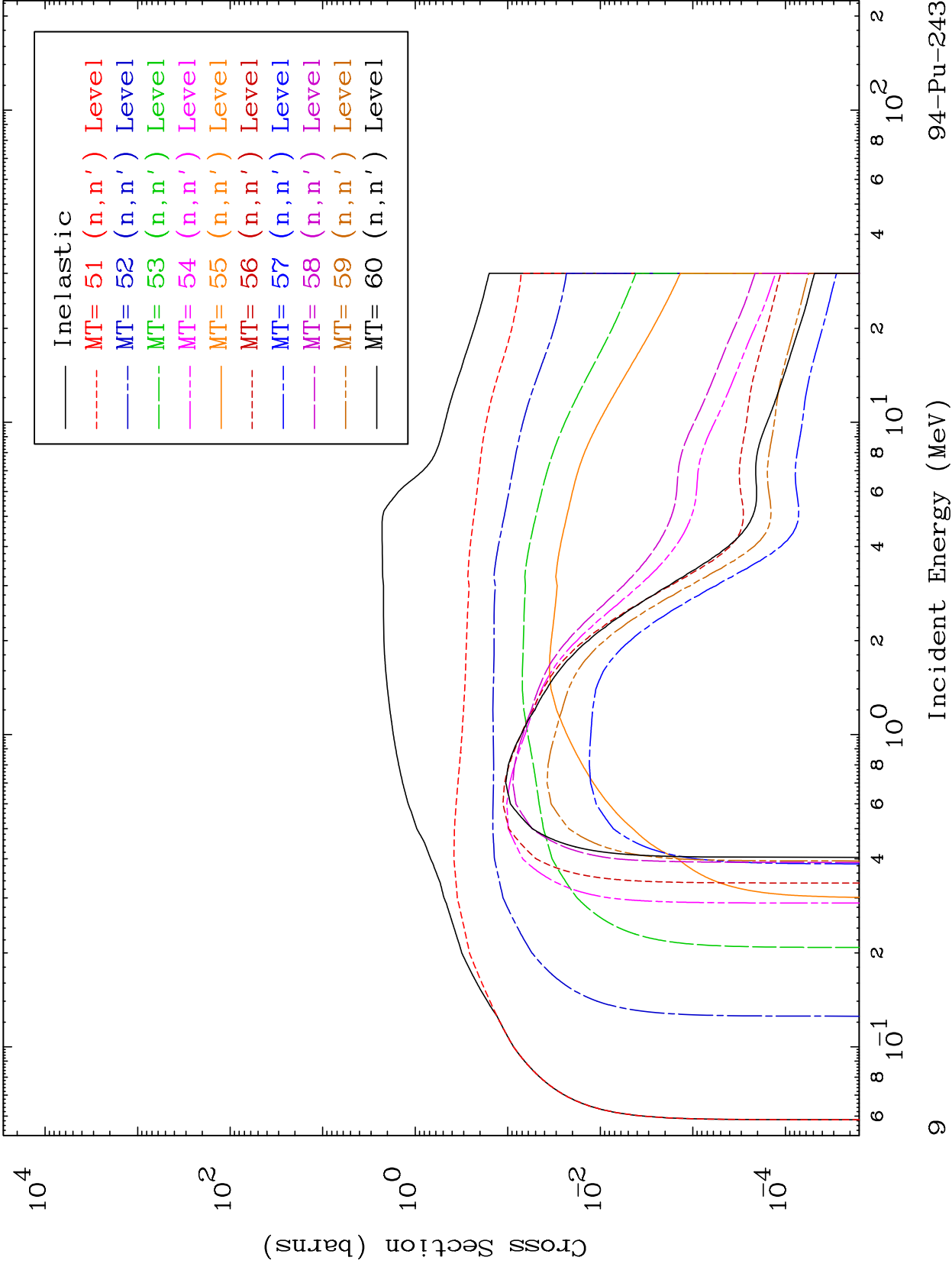


MAT 9449

(n,n') Levels

94-Pu-243

293 Kelvin Cross Sections

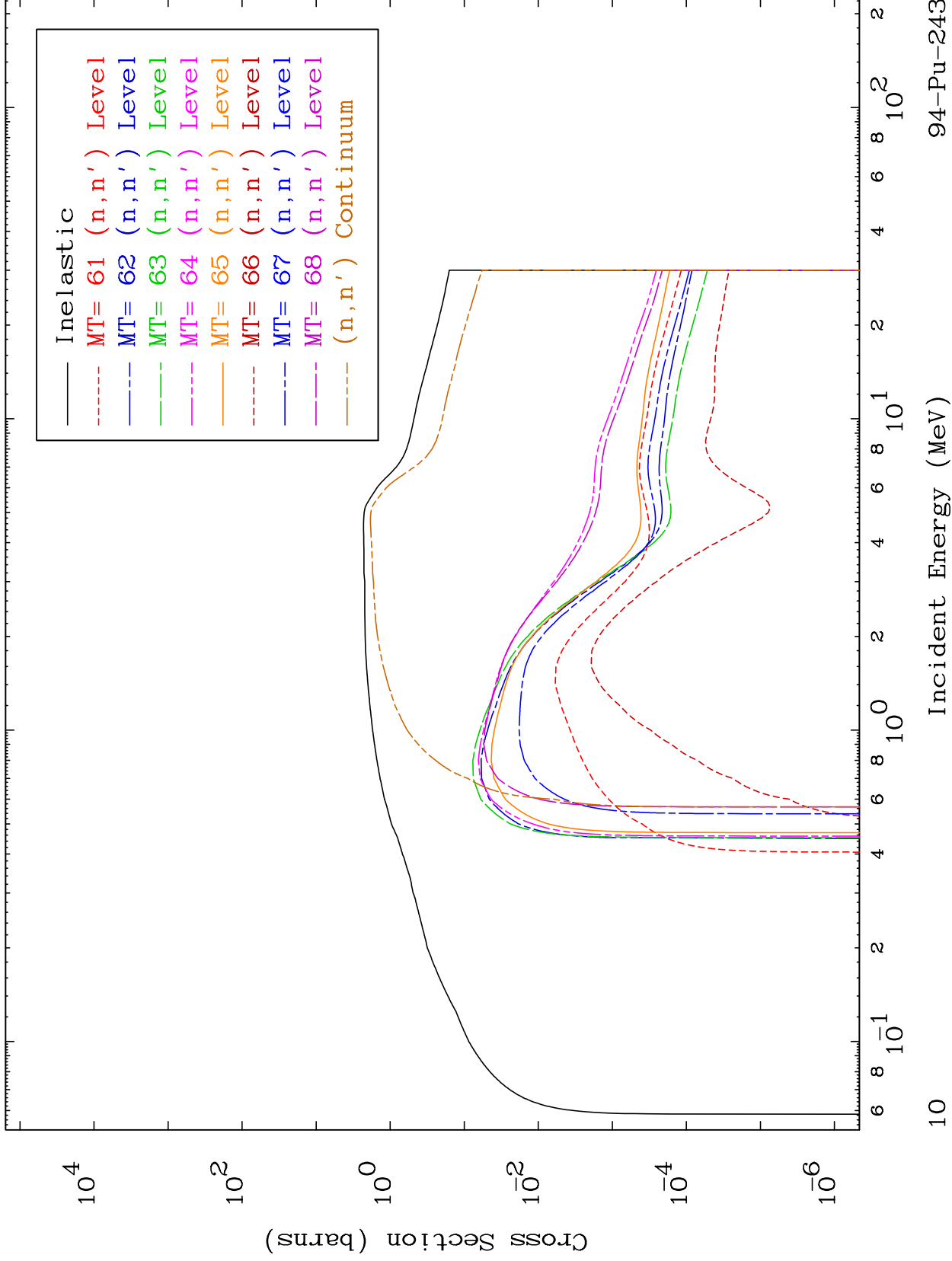


MAT 9449

(n,n') Levels

94-Pu-243

293 Kelvin Cross Sections



10

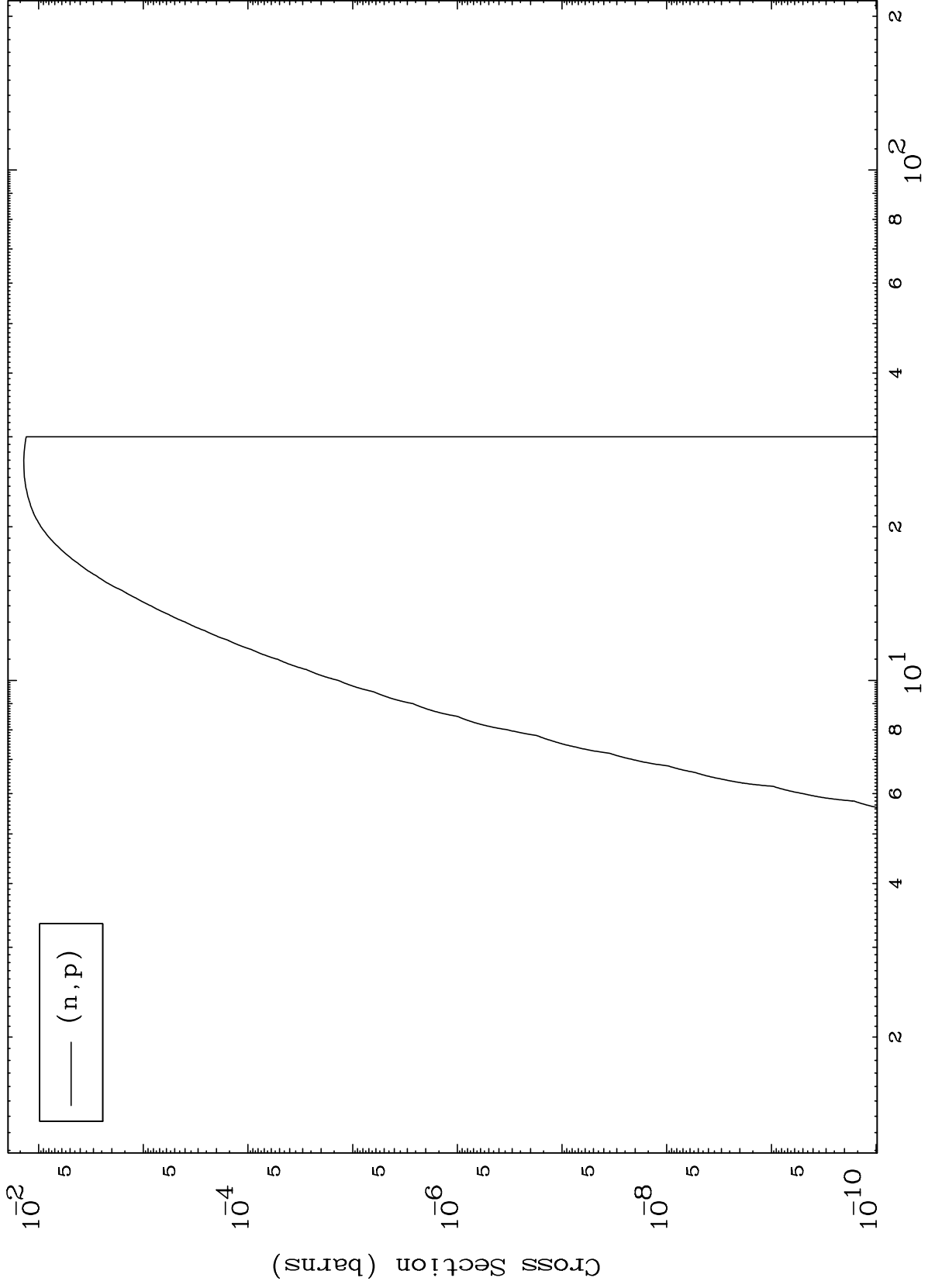
Incident Energy (MeV)

94-Pu-243

MAT 9449

(n,p) Levels  
293 Kelvin Cross Sections

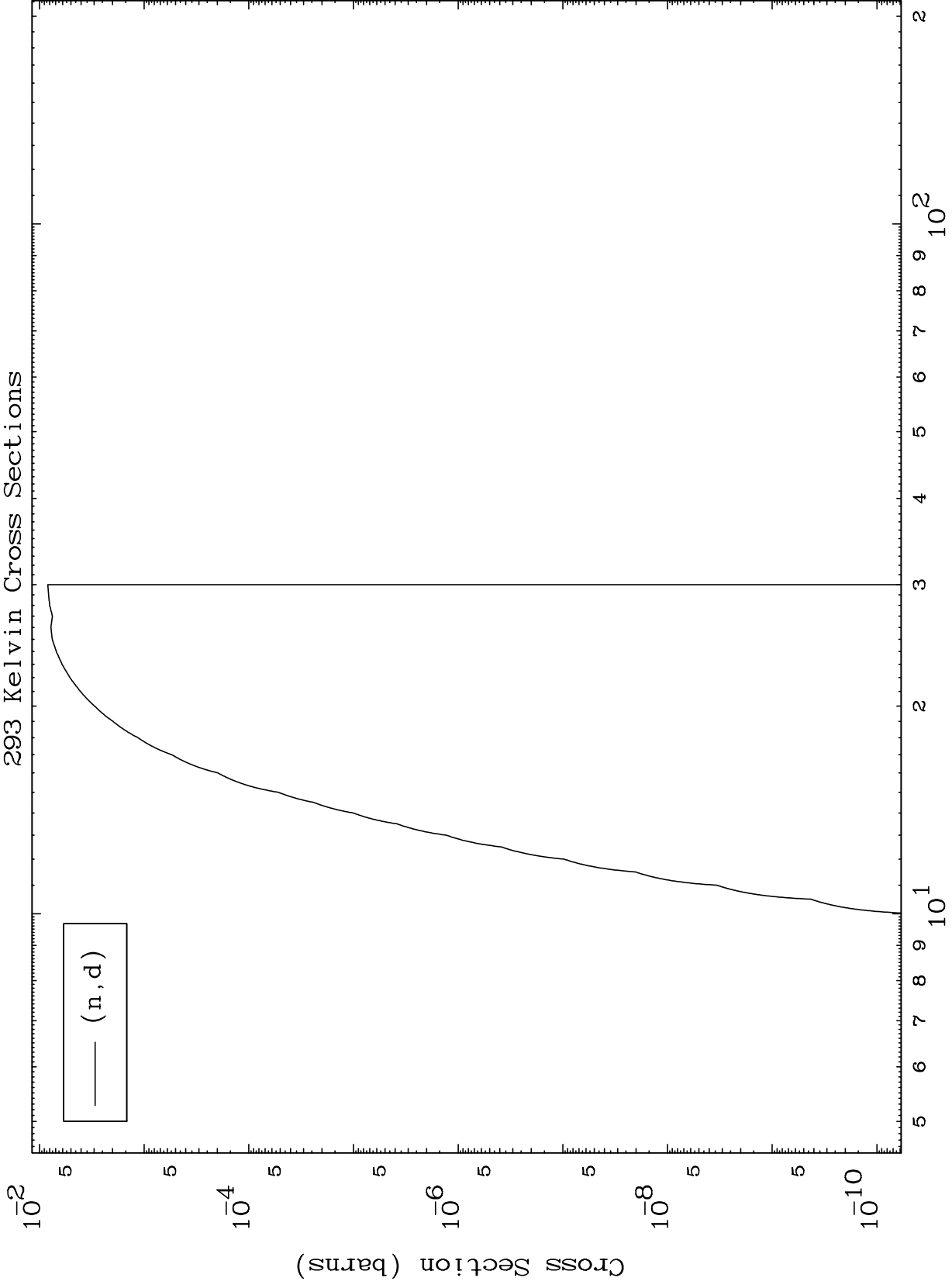
94-Pu-243



MAT 9449

(n,d) Levels  
293 Kelvin Cross Sections

94-Pu-243



12

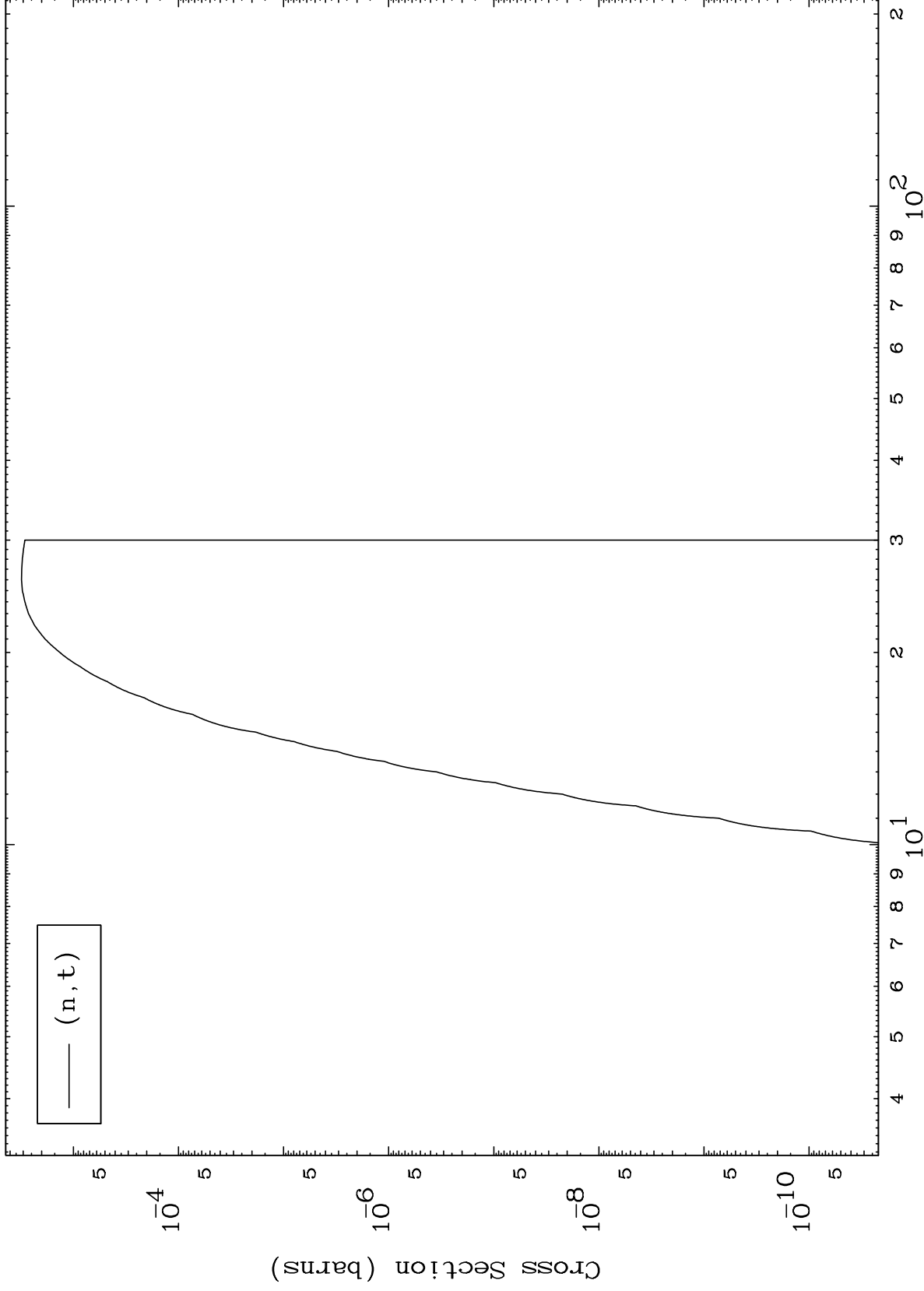
Incident Energy (MeV)

94-Pu-243

MAT 9449

(n,t) Levels  
293 Kelvin Cross Sections

94-Pu-243



13

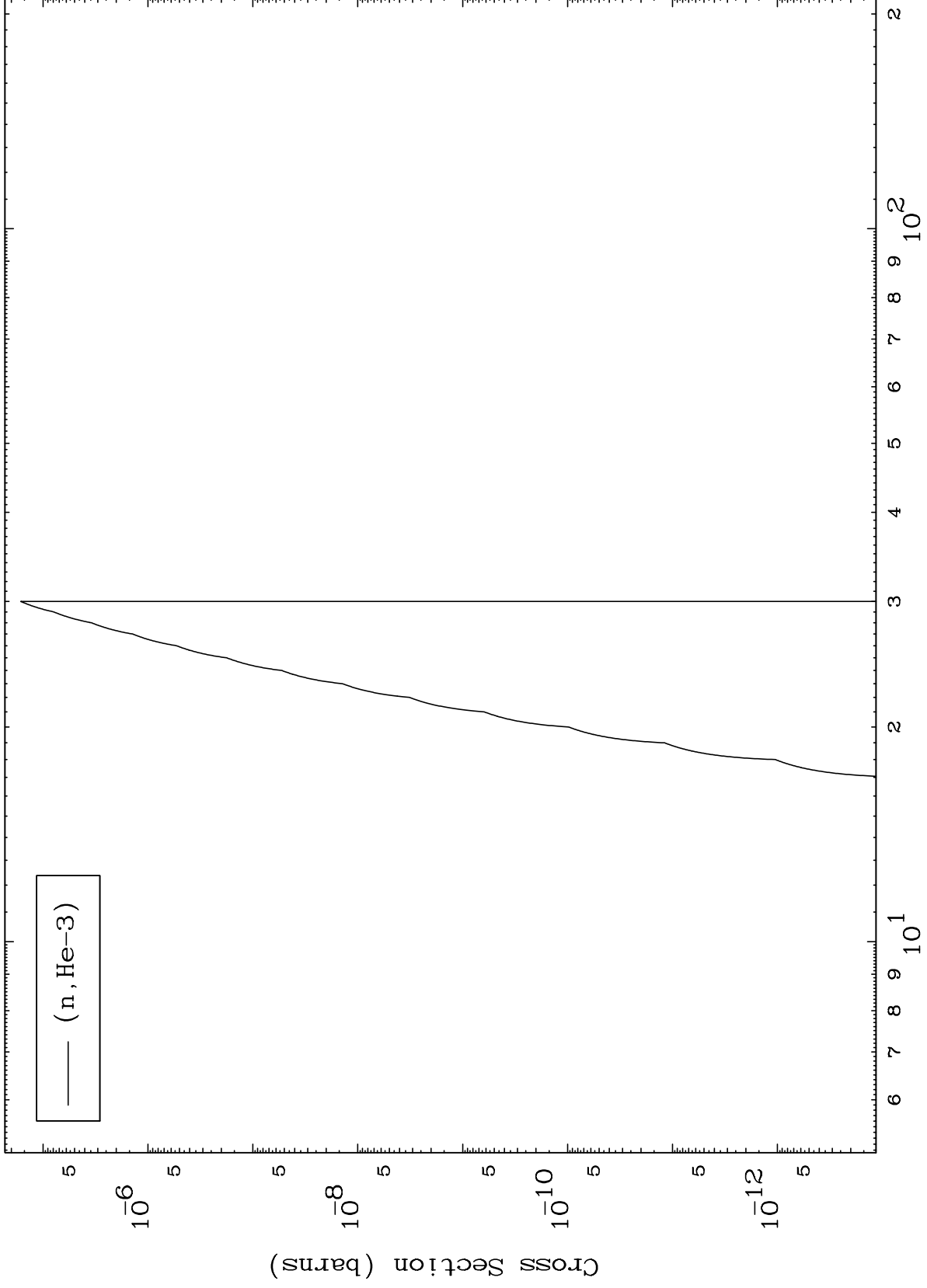
Incident Energy (MeV)

94-Pu-243

MAT 9449

(n,He3) Levels  
293 Kelvin Cross Sections

94-Pu-243



14

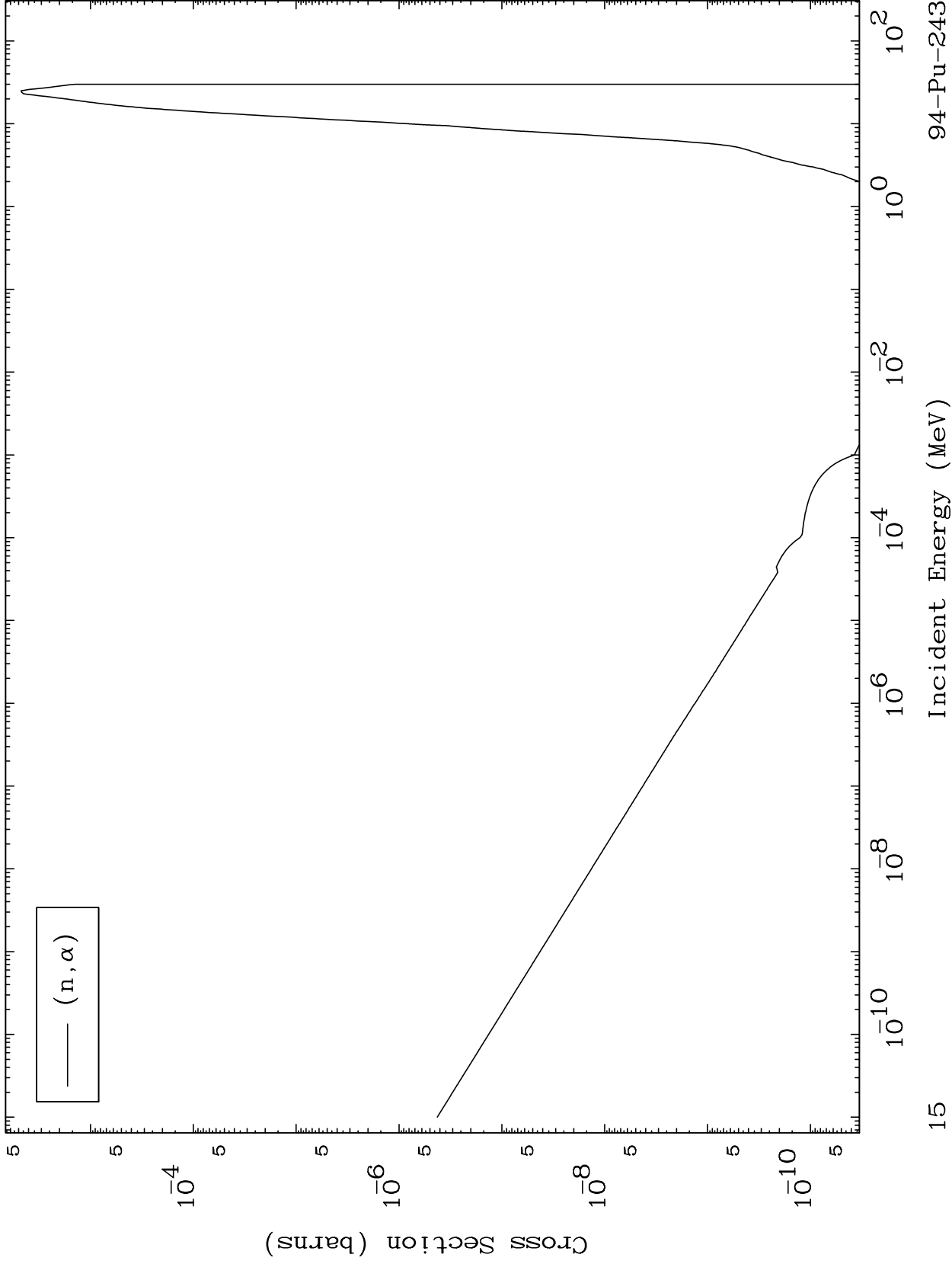
Incident Energy (MeV)

94-Pu-243

MAT 9449

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

94-Pu-243



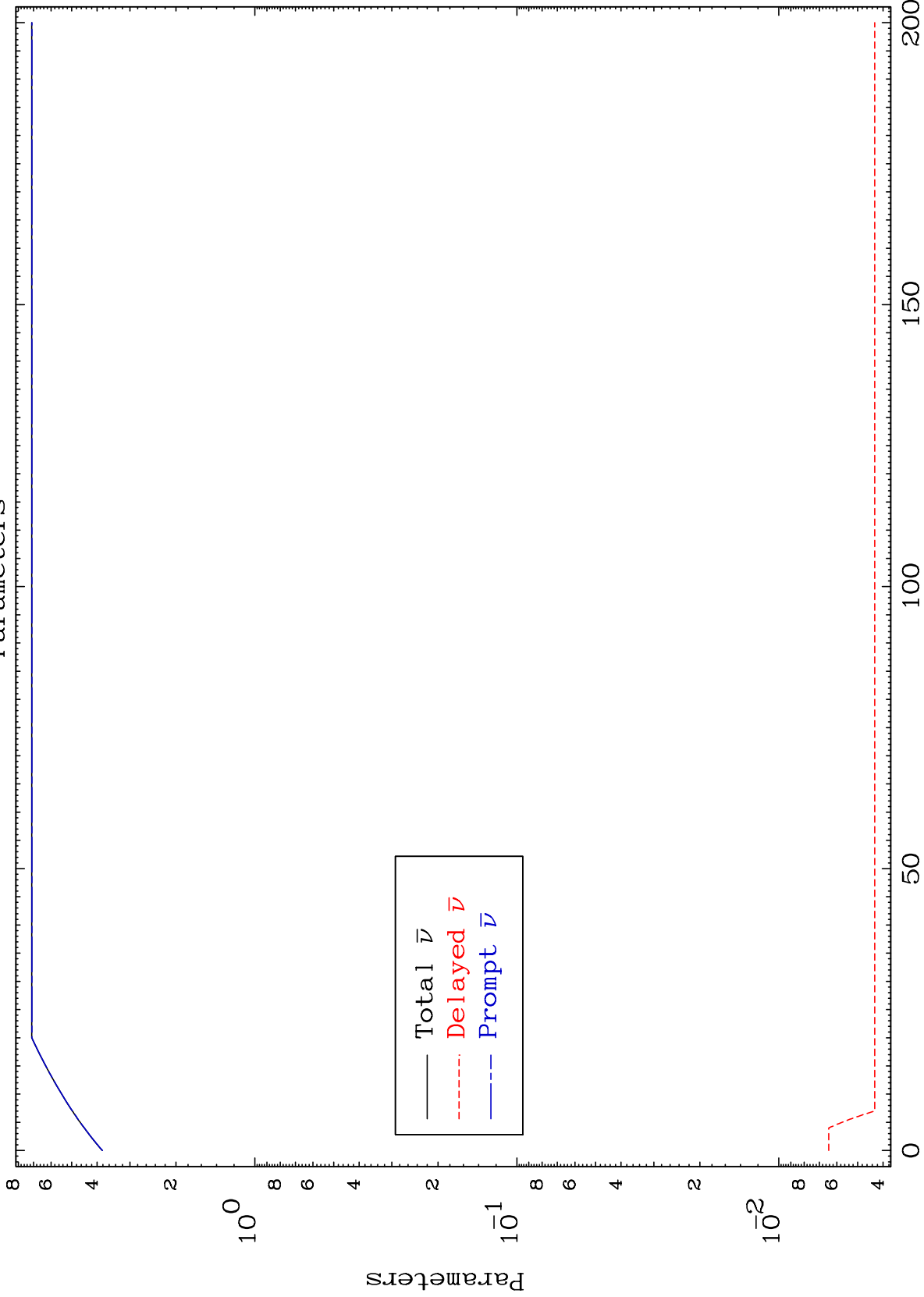
15



MAT 9449

Energy Release  
Parameters

94-Pu-243



16

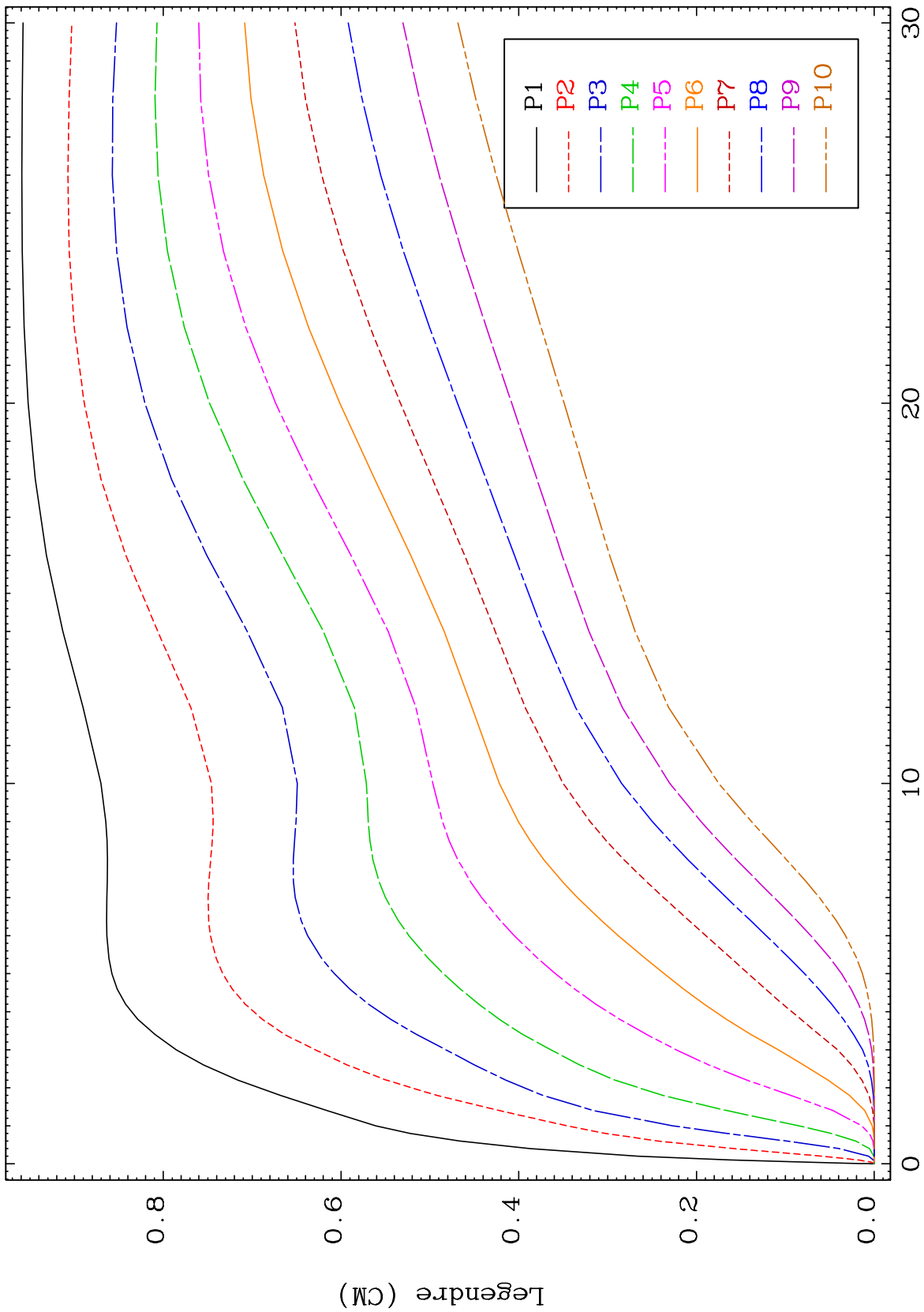
Incident Energy (MeV)

94-Pu-243

MAT 9449

94-Pu-243

Elastic Legendre Coefficients



94-Pu-243

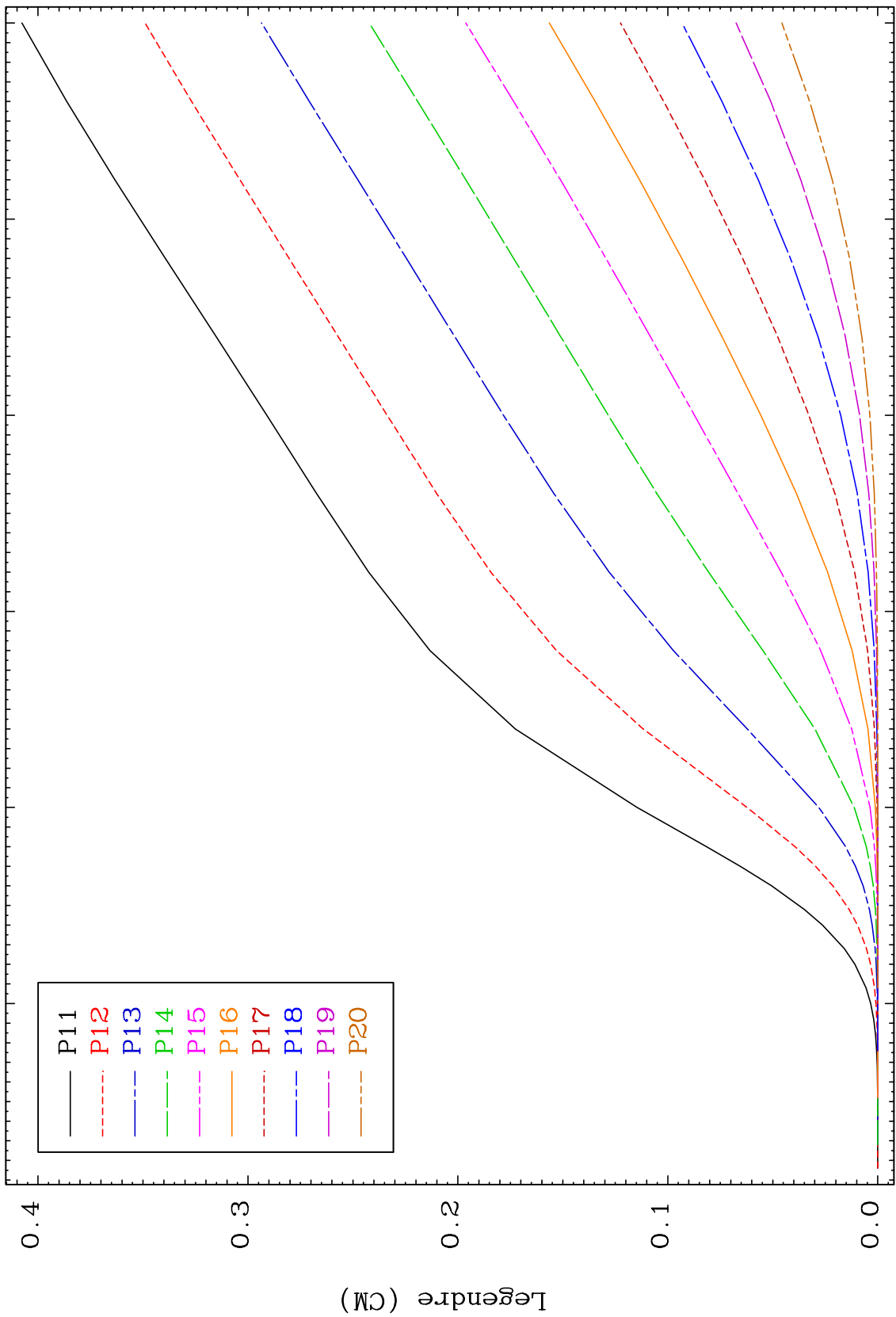
Incident Energy (MeV)

17

MAT 9449

Elastic Legendre Coefficients

94-Pu-243



18

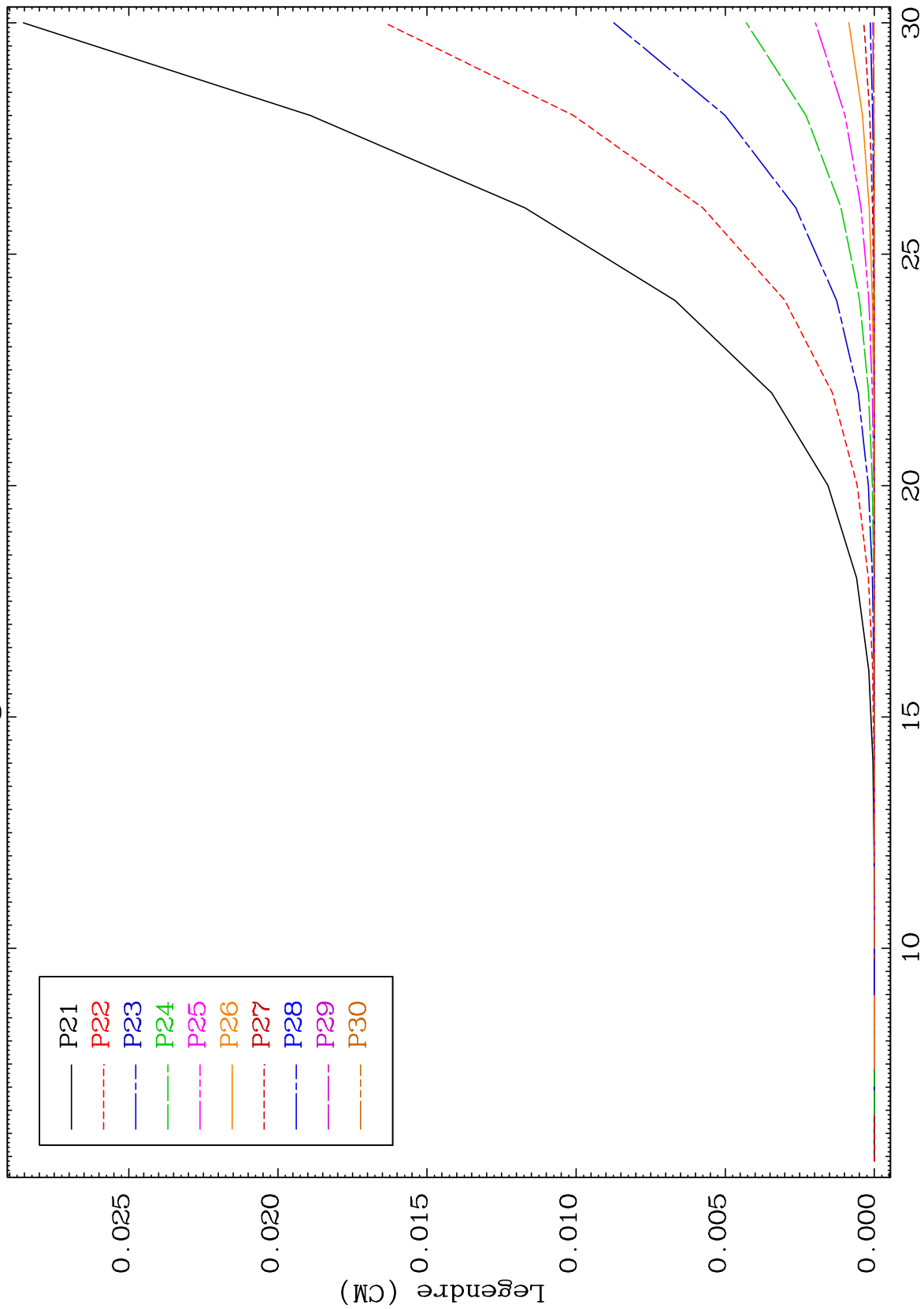
Incident Energy (MeV)

94-Pu-243

MAT 9449

### Elastic Legendre Coefficients

94-Pu-243



19

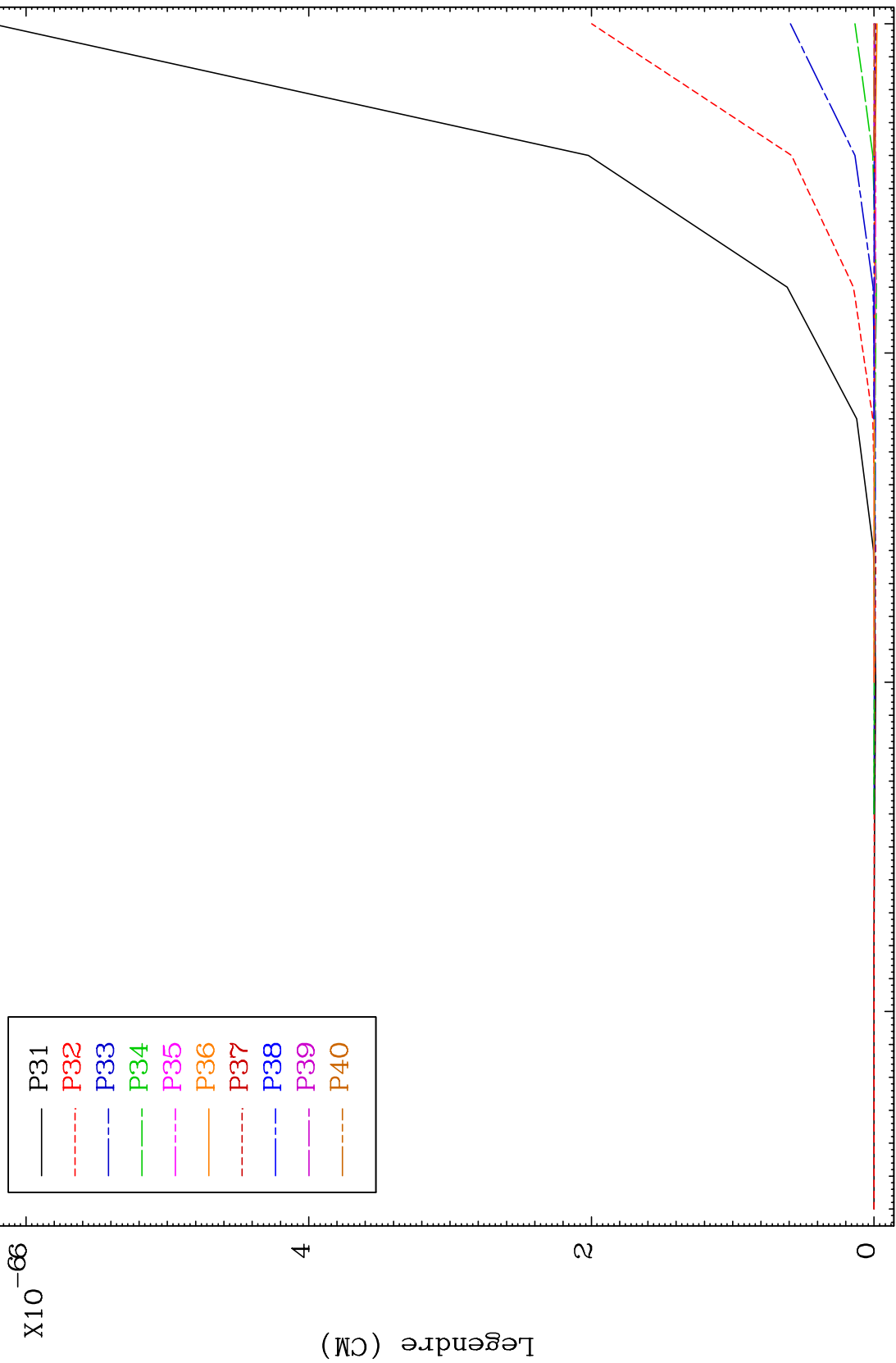
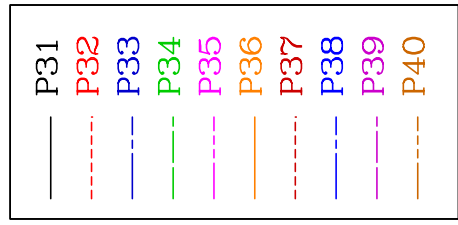
Incident Energy (MeV)

94-Pu-243

MAT 9449

Elastic Legendre Coefficients

94-Pu-243



20

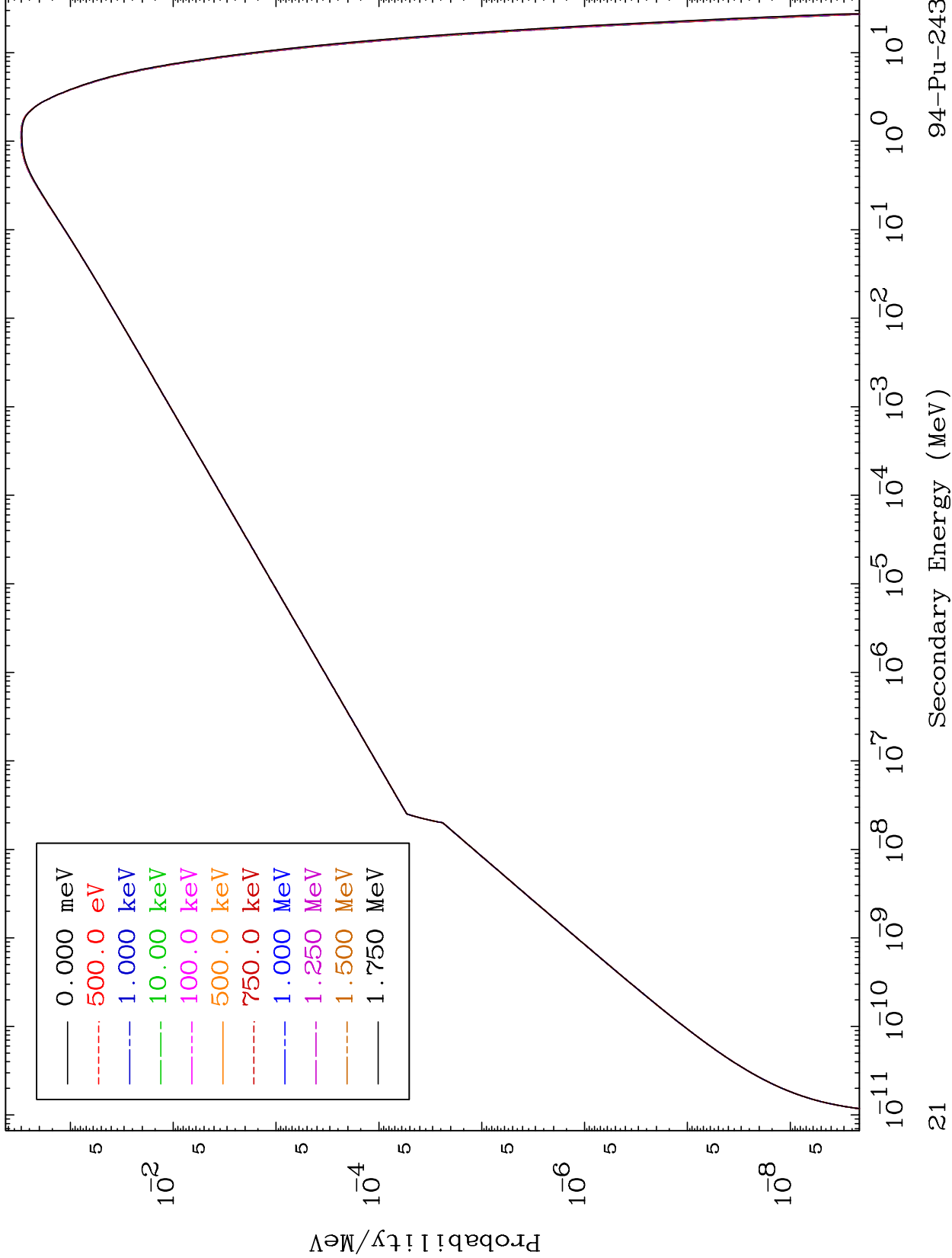
Incident Energy (MeV)

94-Pu-243

MAT 9449

### Fission Energy Distributions

94-Pu-243



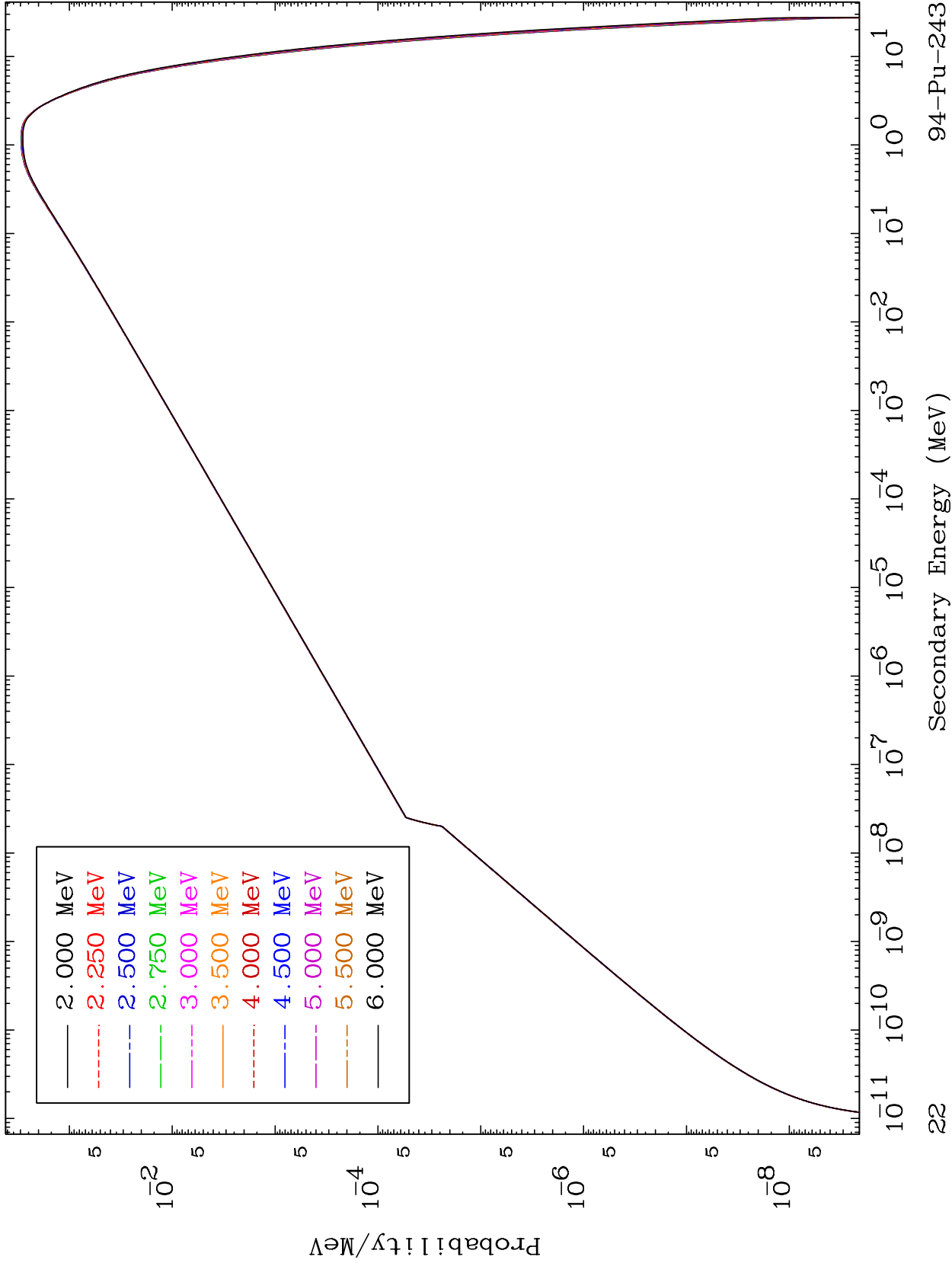
94-Pu-243

Secondary Energy (MeV)

MAT 9449

### Fission Energy Distributions

94-Pu-243



94-Pu-243

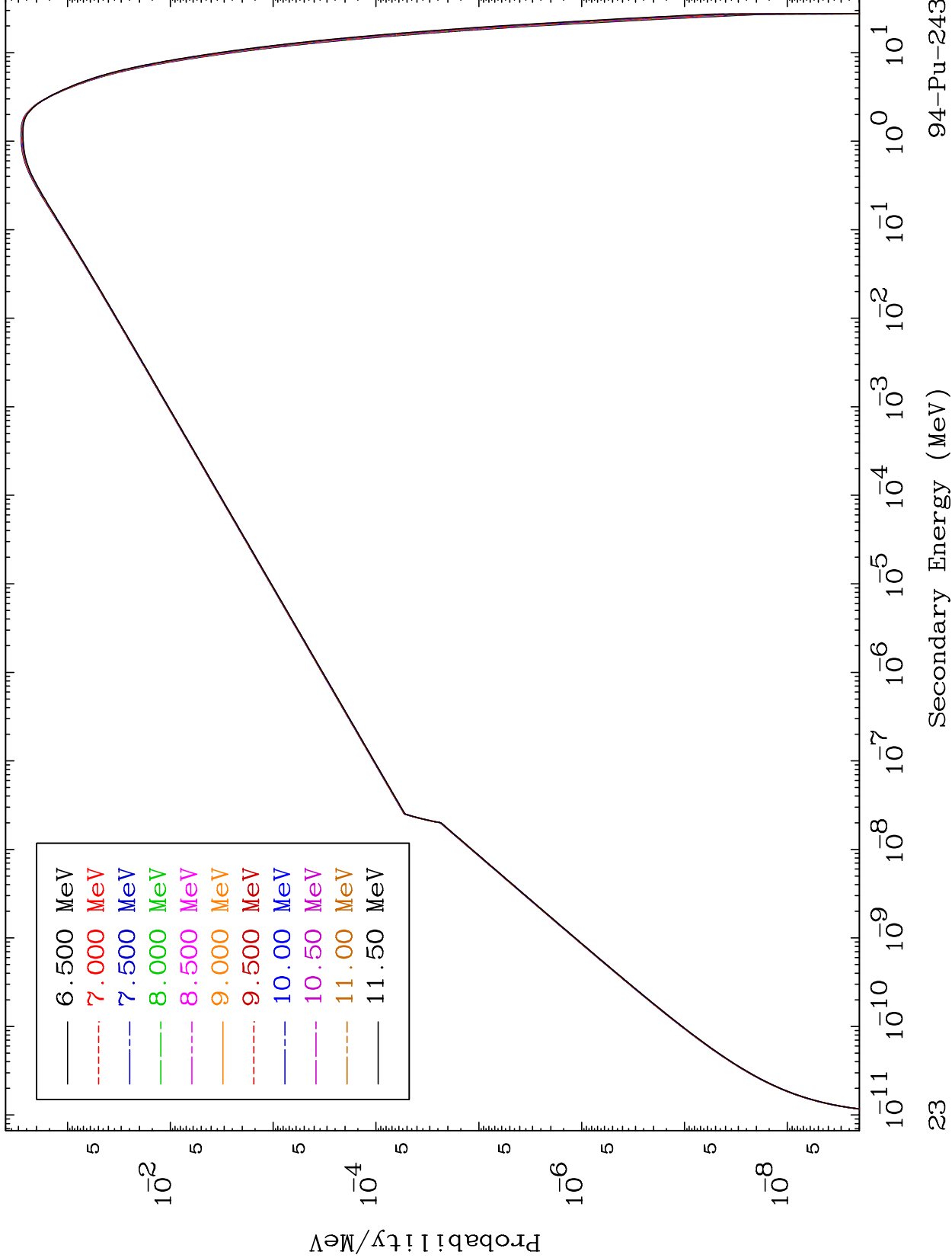
Secondary Energy (MeV)

22

MAT 9449

### Fission Energy Distributions

94-Pu-243



94-Pu-243

Secondary Energy (MeV)

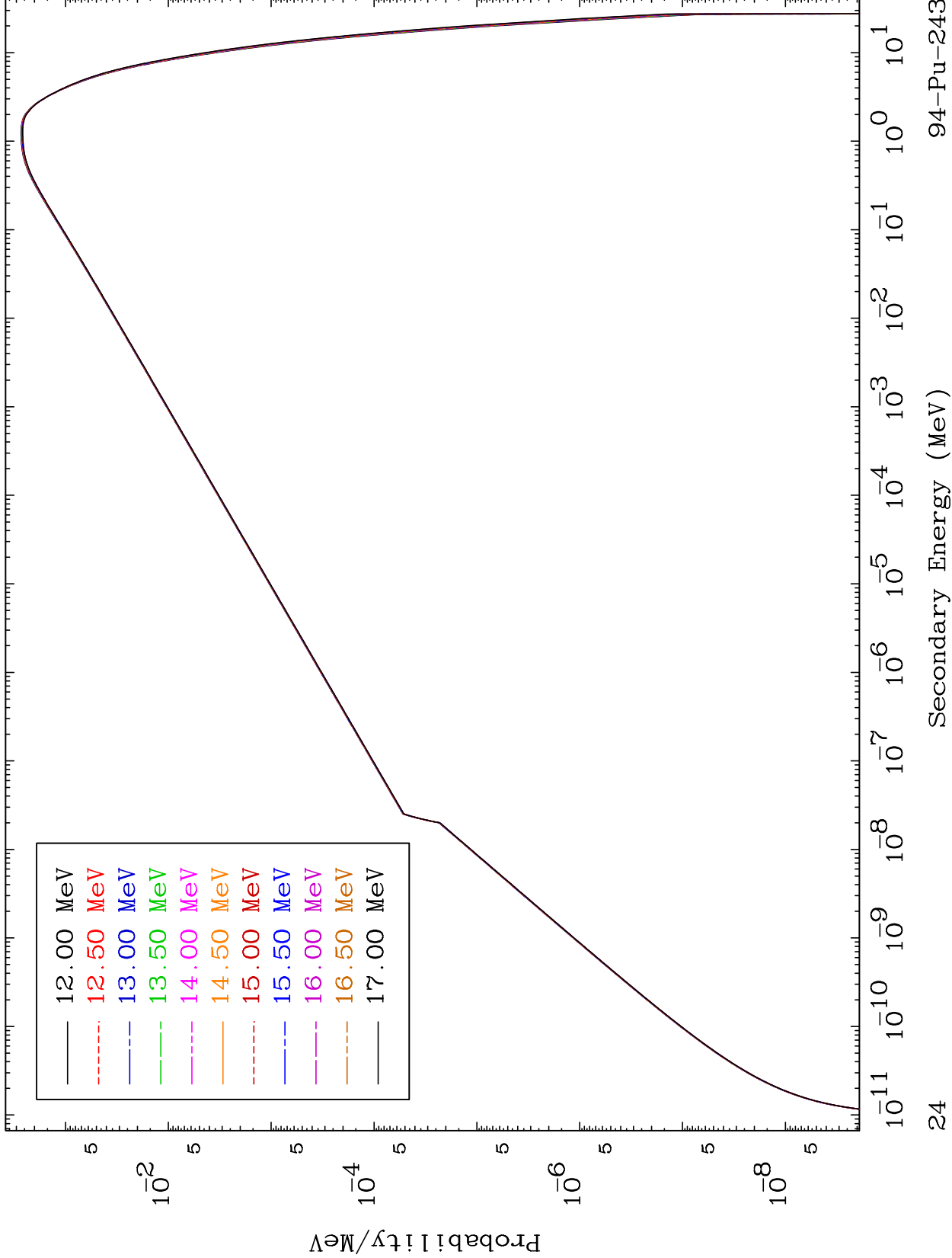
23



MAT 9449

### Fission Energy Distributions

94-Pu-243



94-Pu-243

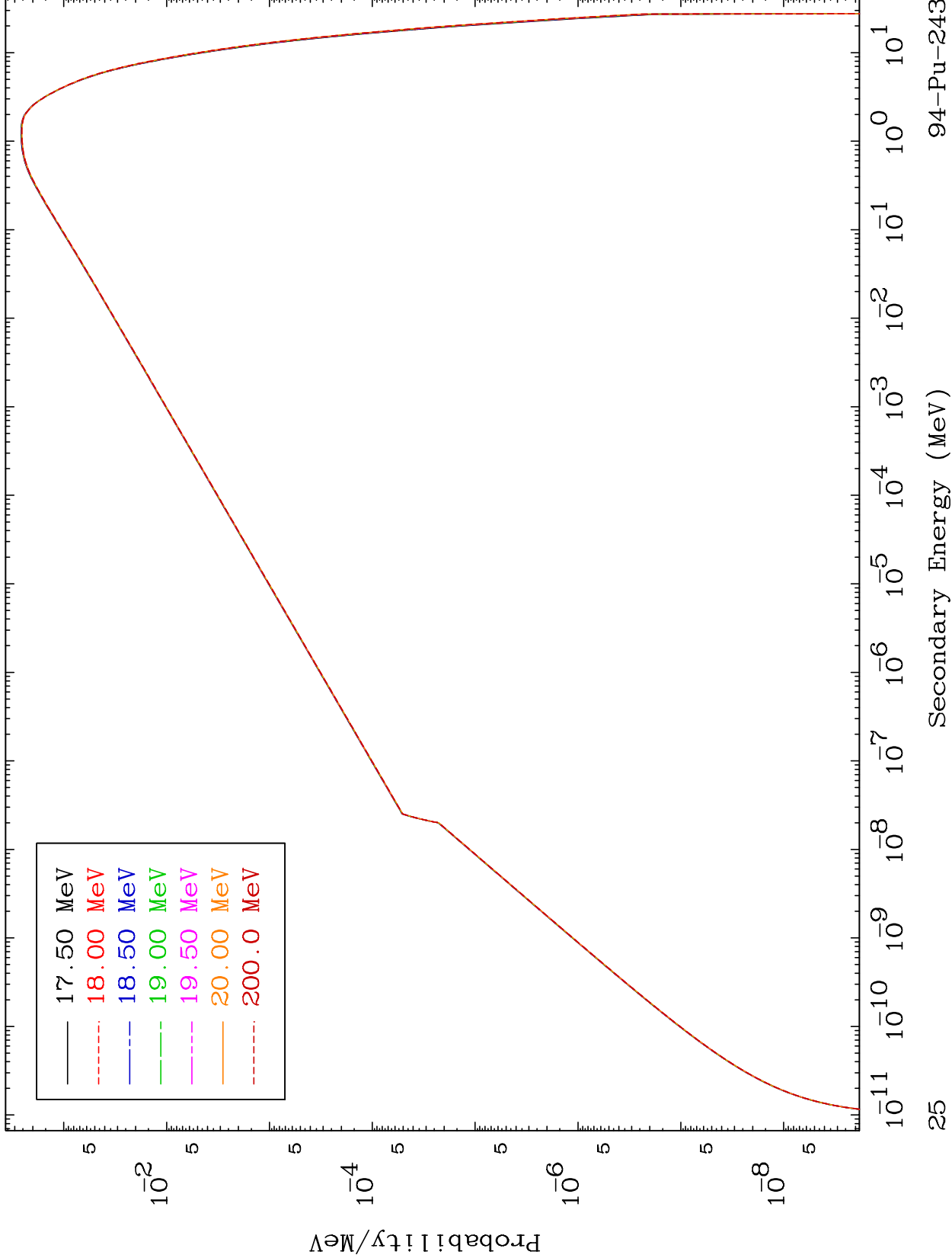
Secondary Energy (MeV)

24

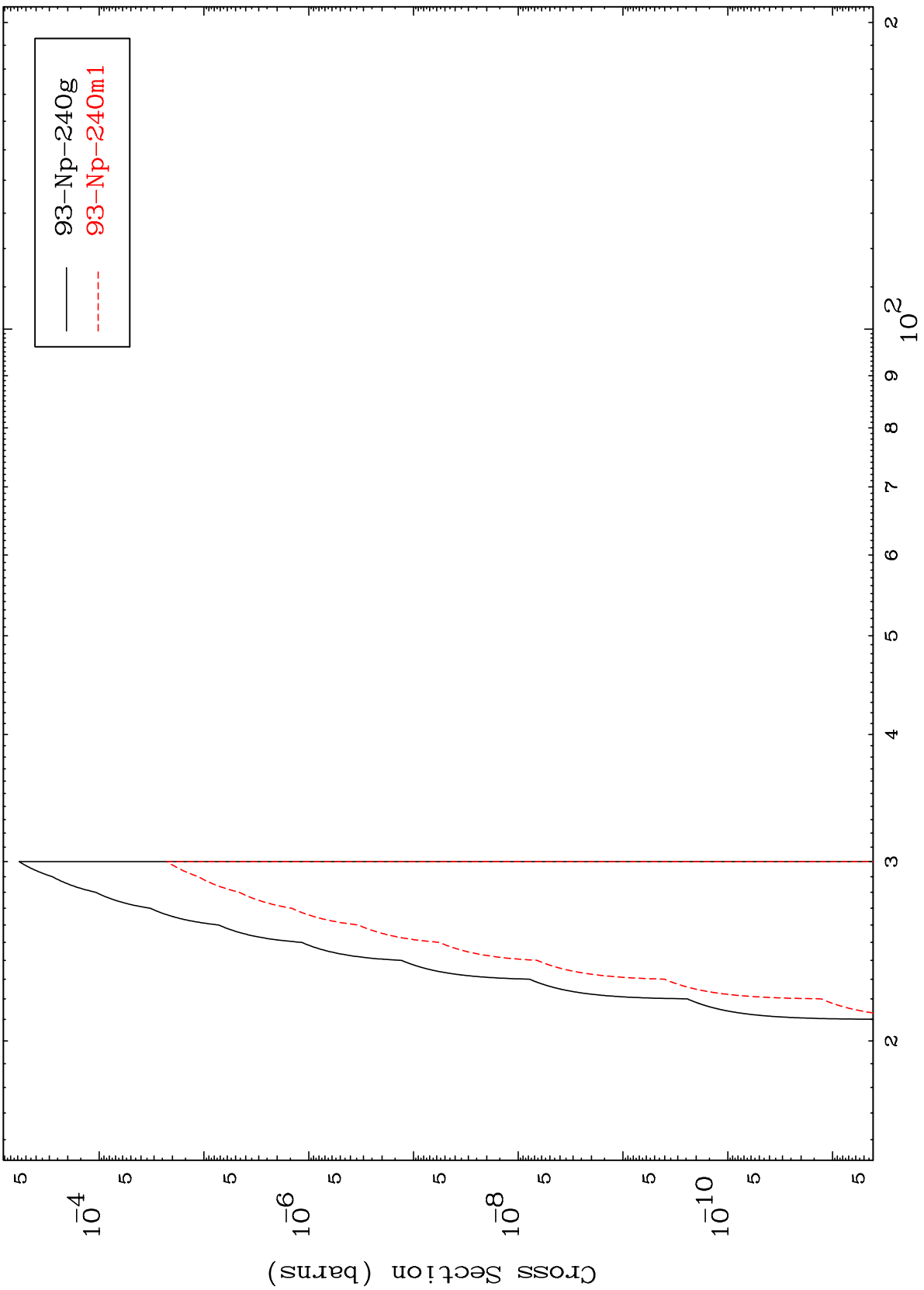
MAT 9449

### Fission Energy Distributions

94-Pu-243



Radionuclide Production Cross Section



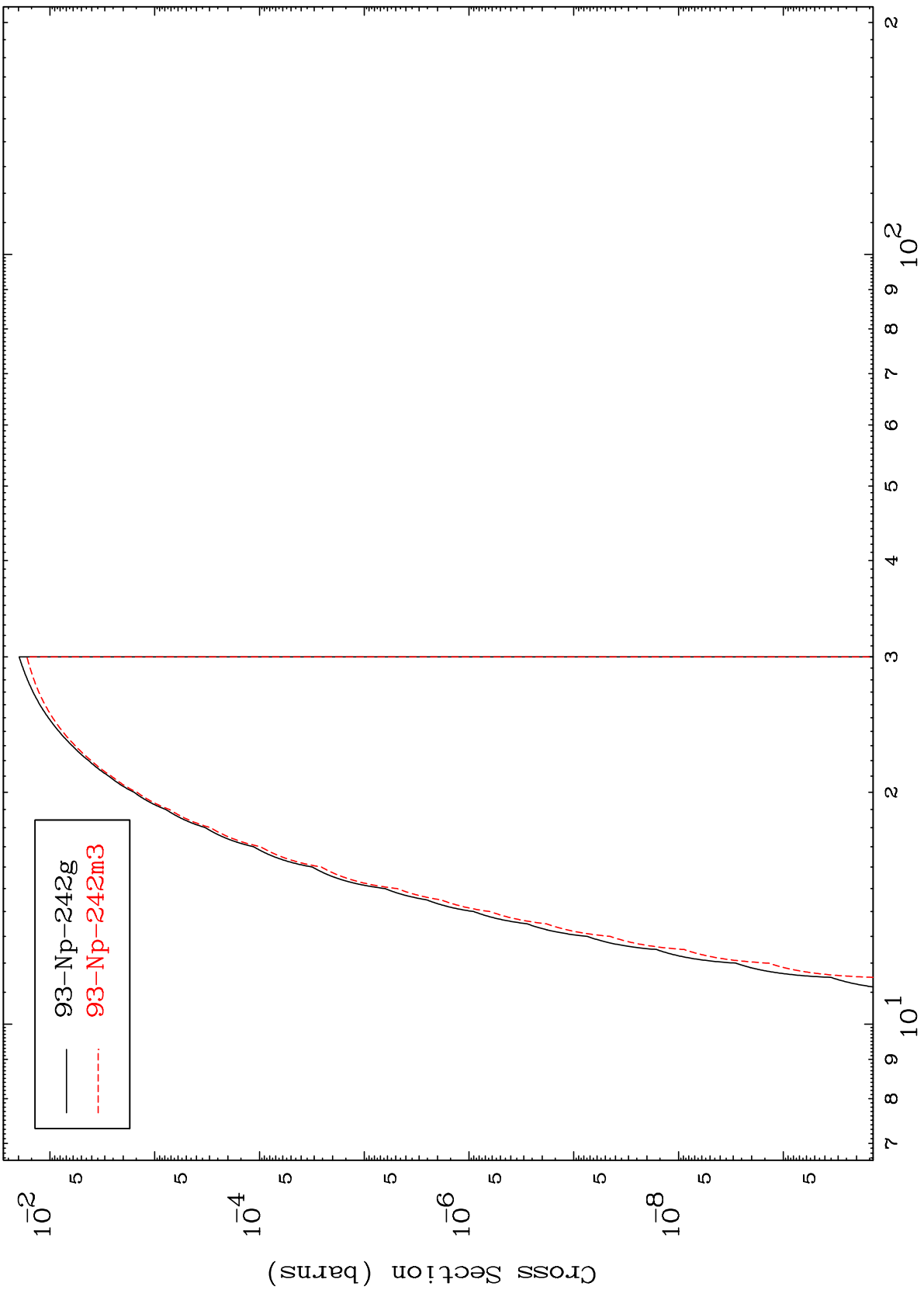
93-Np-240g  
93-Np-240m1

MAT 9449

(n,n') p

94-Pu-243

Radionuclide Production Cross Section



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

27

Incident Energy (MeV)

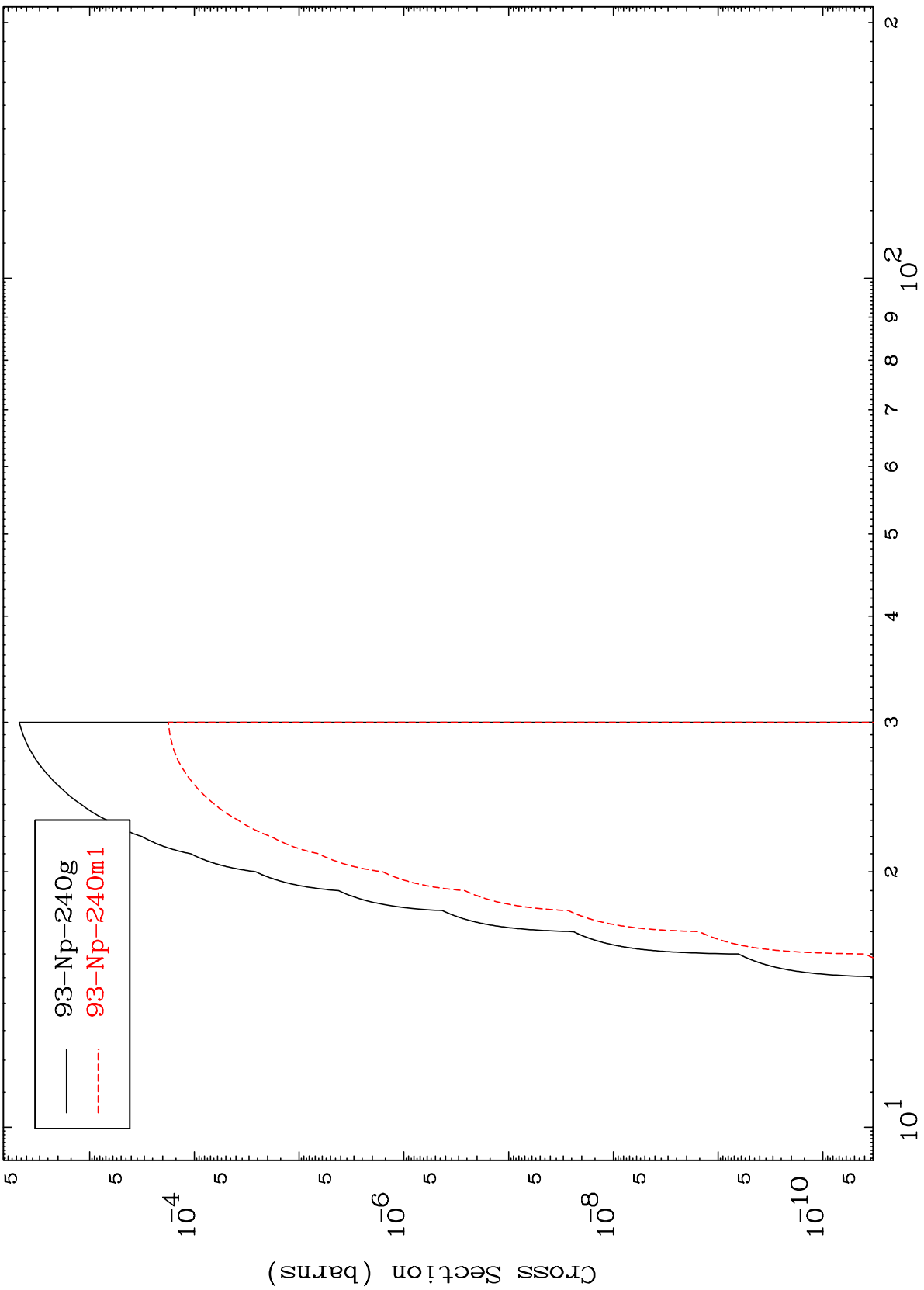
94-Pu-243

MAT 9449

(n,n') t

94-Pu-243

Radionuclide Production Cross Section



28

Incident Energy (MeV)

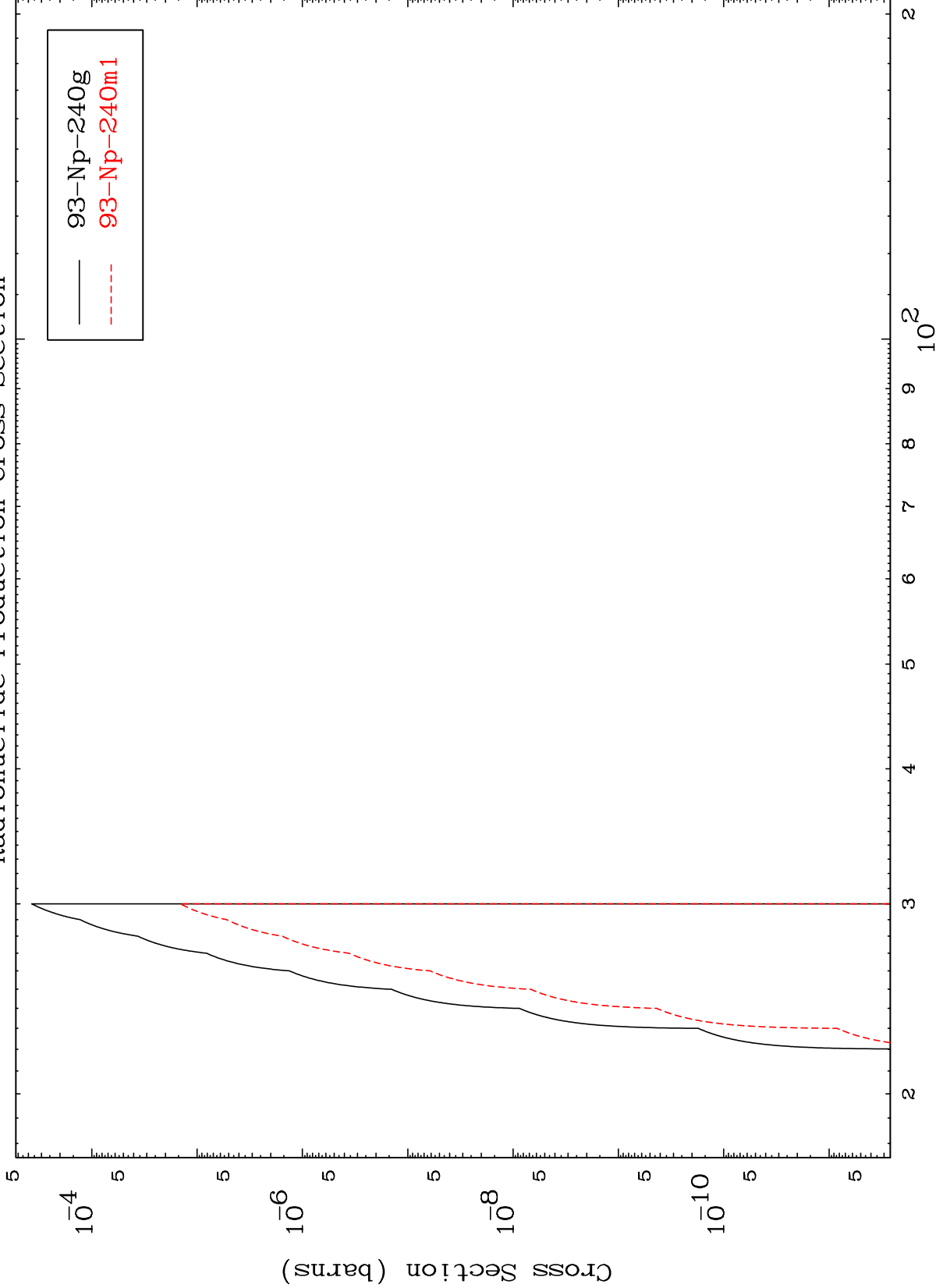
94-Pu-243

MAT 9449

(n,3n) p

94-Pu-243

Radionuclide Production Cross Section



29

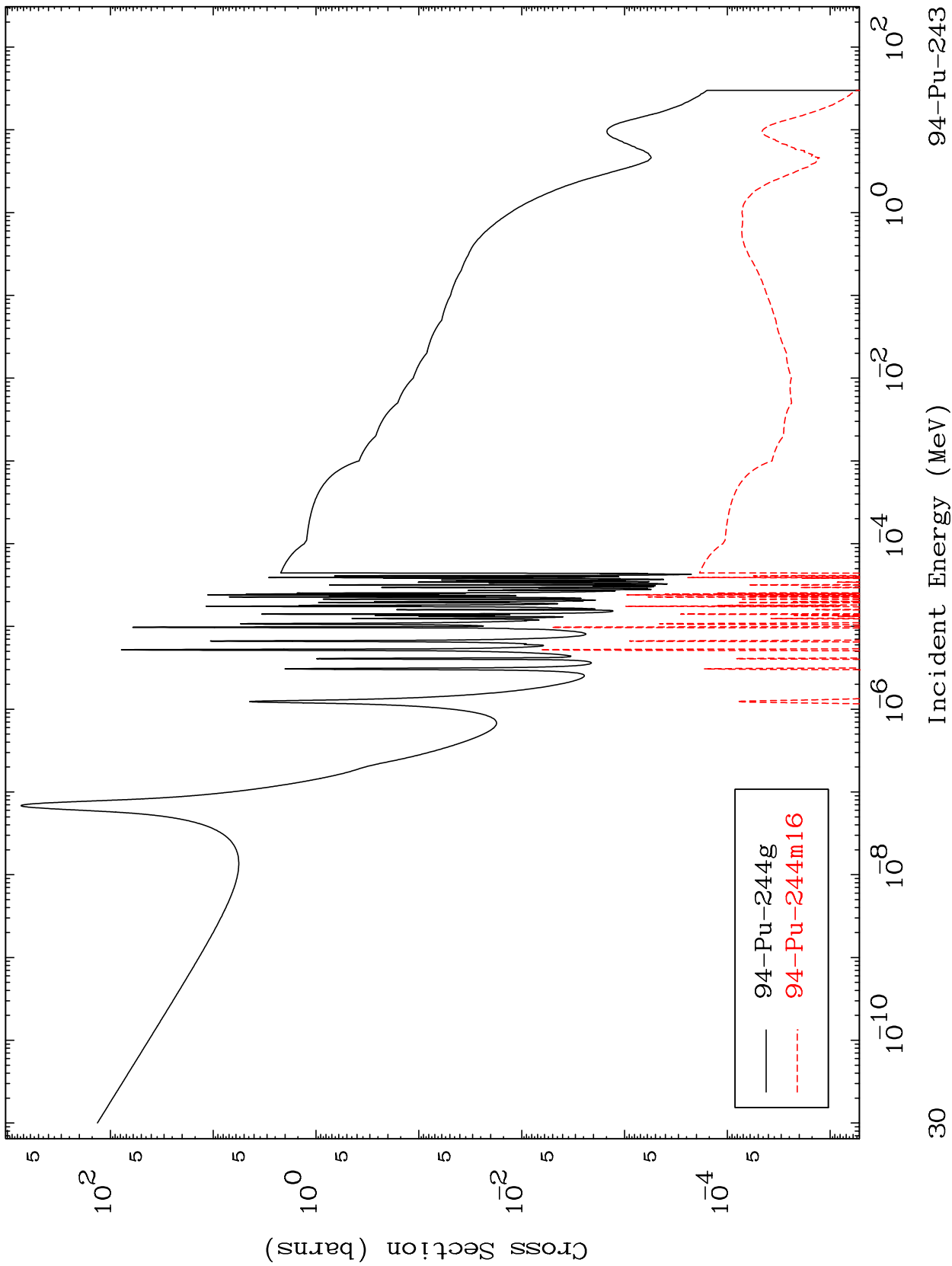
Incident Energy (MeV)

94-Pu-243

MAT 9449

94-Pu-243

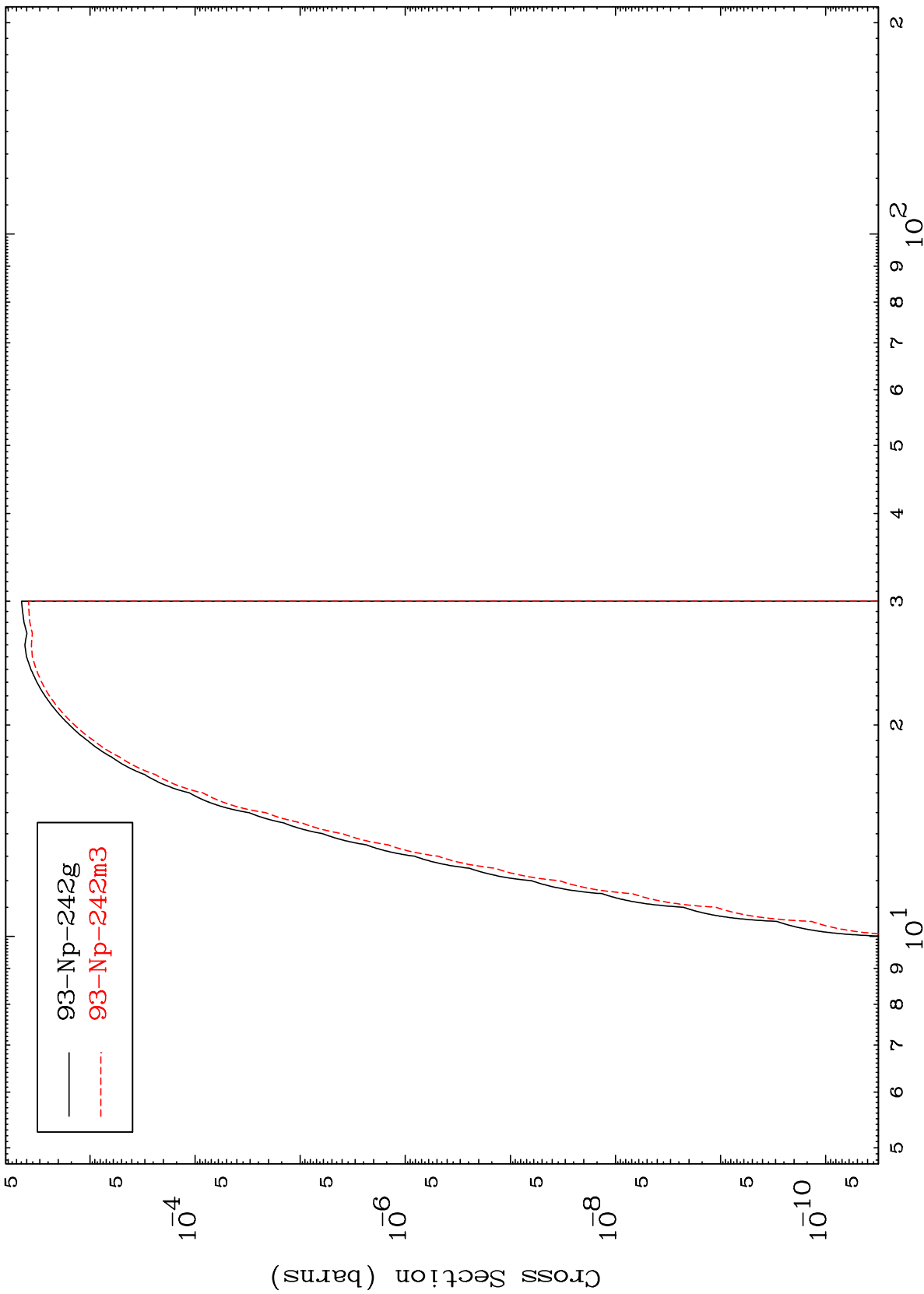
(n,  $\gamma$ )  
Radionuclide Production Cross Section



MAT 9449

94-Pu-243

(n,d)  
Radionuclide Production Cross Section



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

31

Incident Energy (MeV)

94-Pu-243