

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

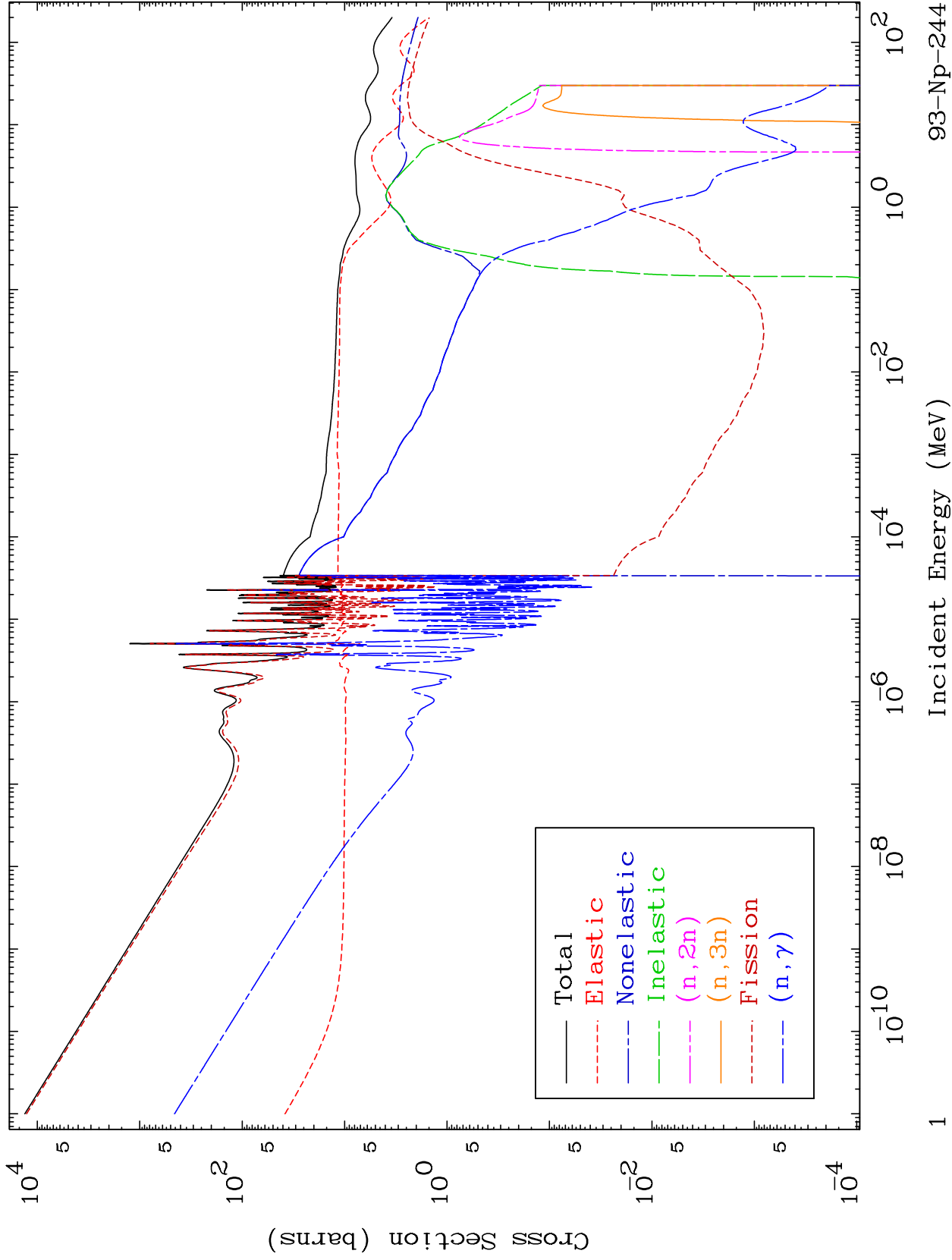
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9367

Neutron Major  
293 Kelvin Cross Sections

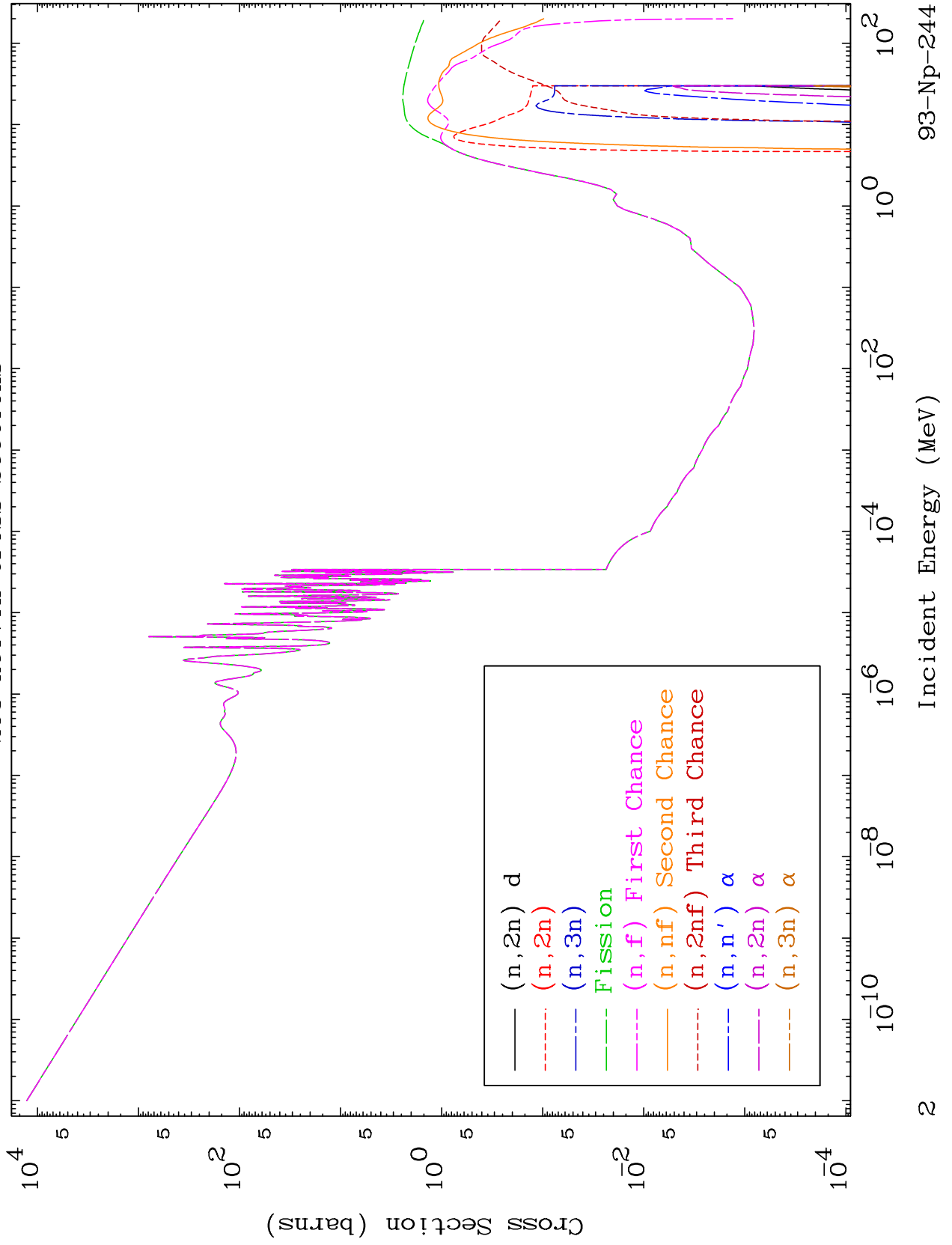
93-Np-244



MAT 9367

Neutron Absorption  
293 Kelvin Cross Sections

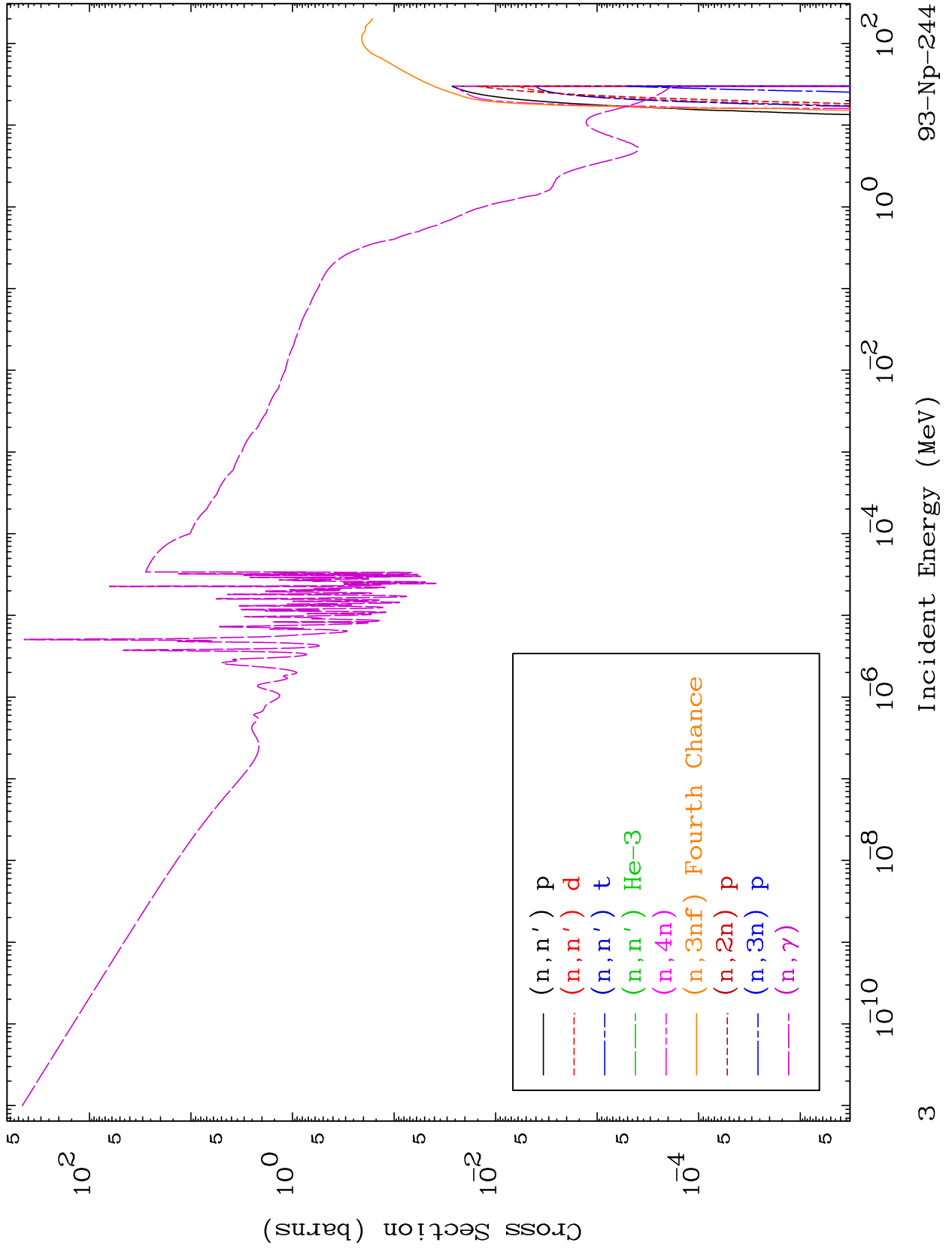
93-Np-244



MAT 9367

Neutron Absorption  
293 Kelvin Cross Sections

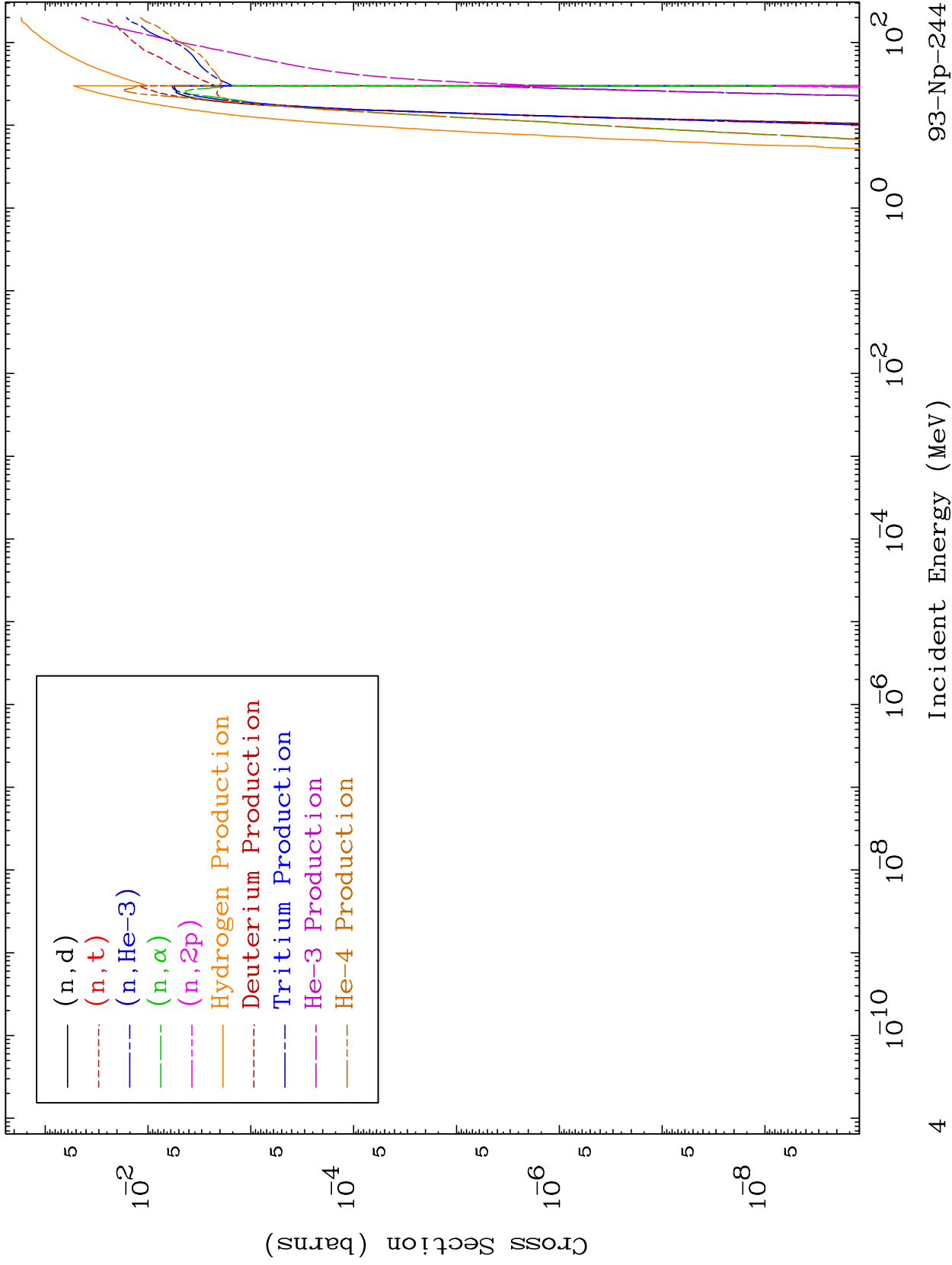
93-Np-244



MAT 9367

Neutron Absorption  
293 Kelvin Cross Sections

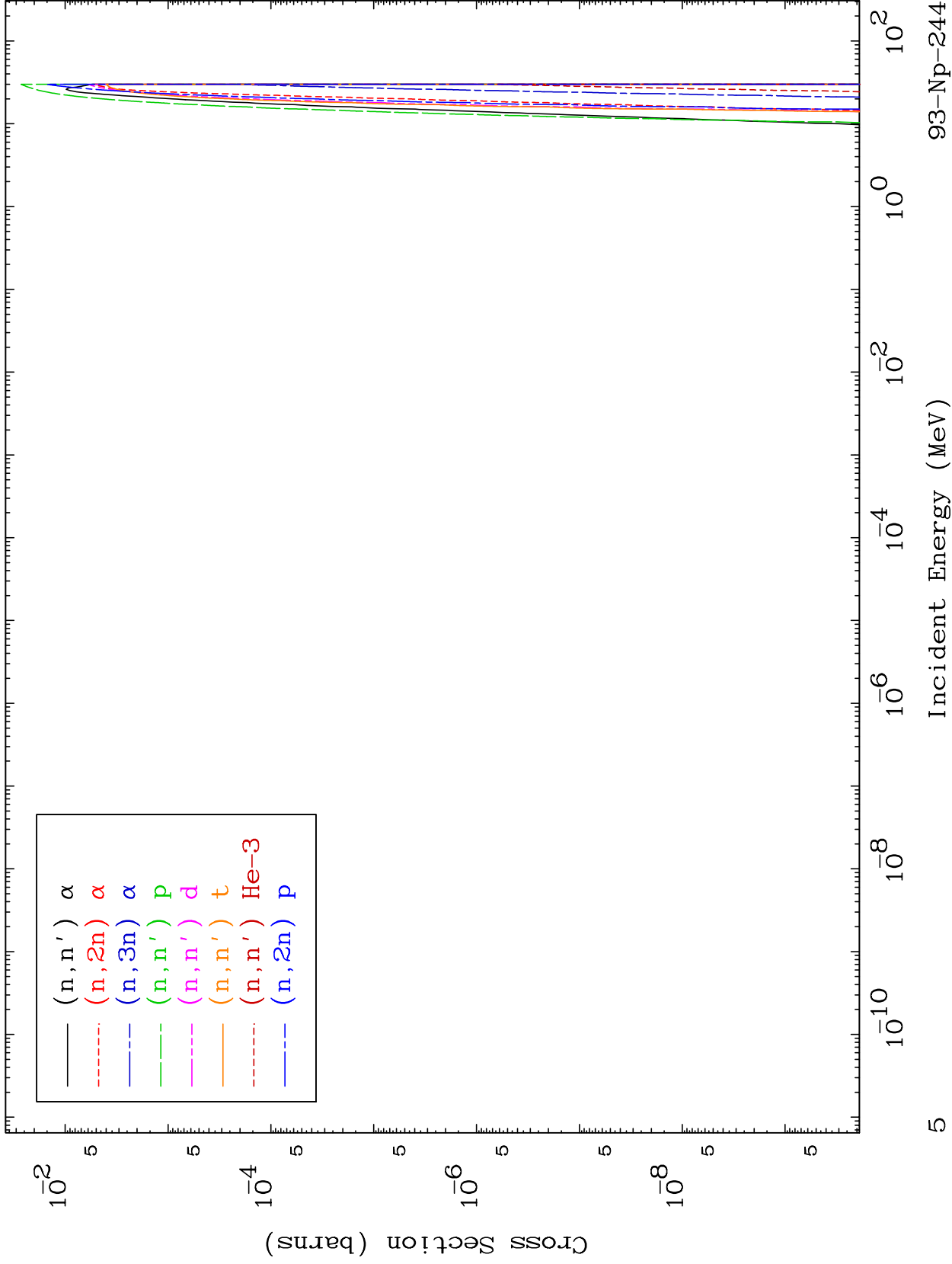
93-Np-244



MAT 9367

Charged Particle  
293 Kelvin Cross Sections

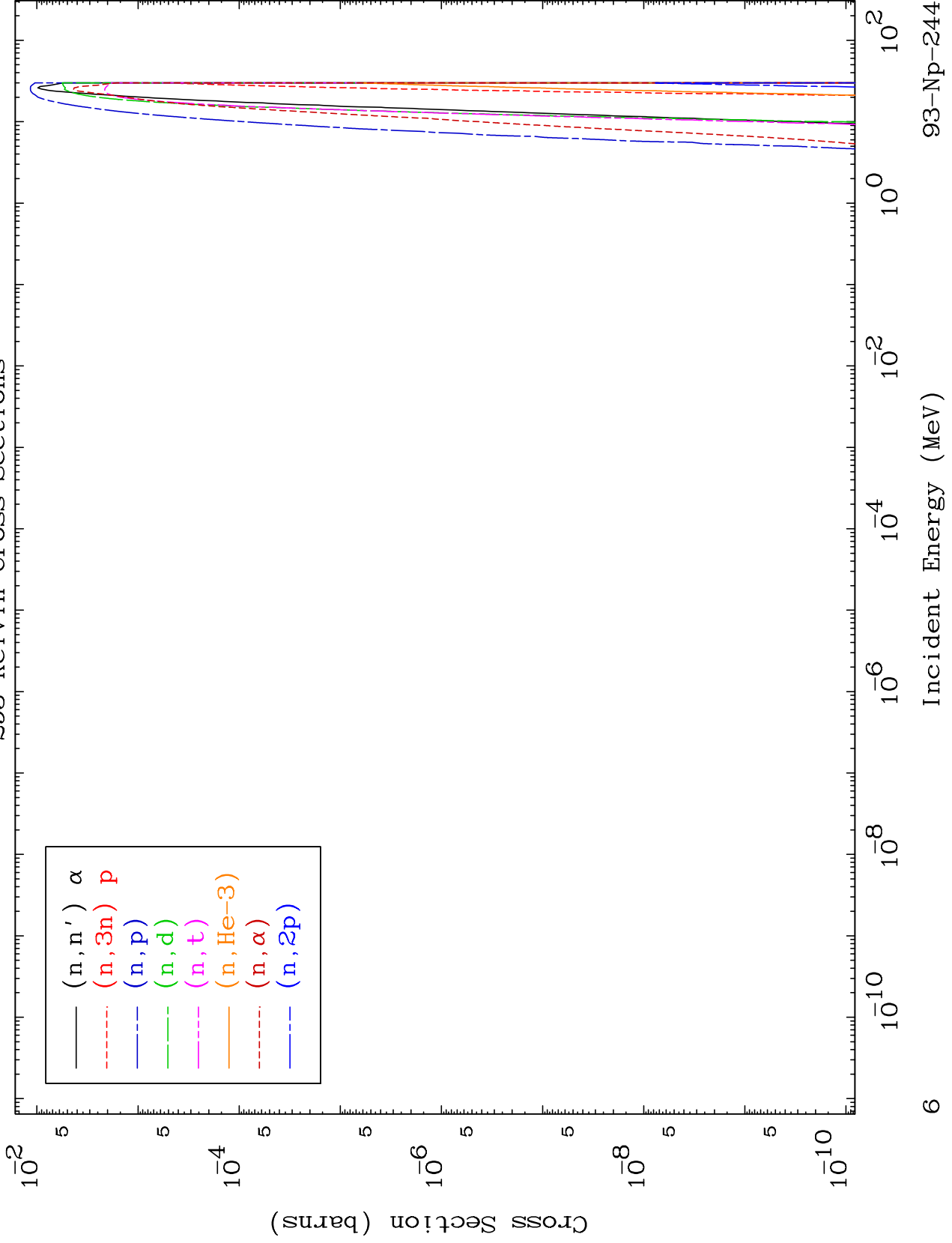
93-Np-244



MAT 9367

Charged Particle  
293 Kelvin Cross Sections

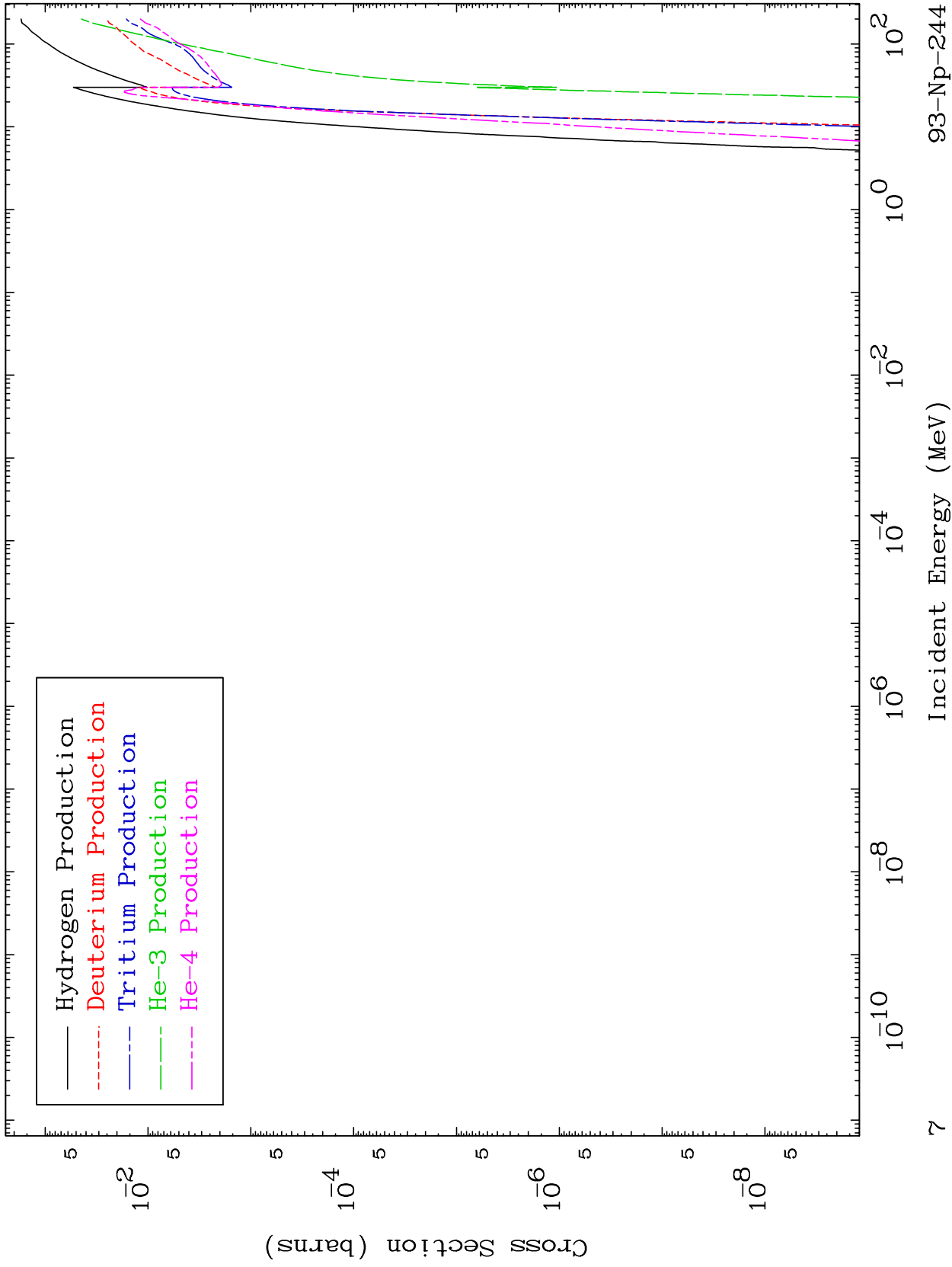
93-Np-244



MAT 9367

Particle Production  
293 Kelvin Cross Sections

93-Np-244

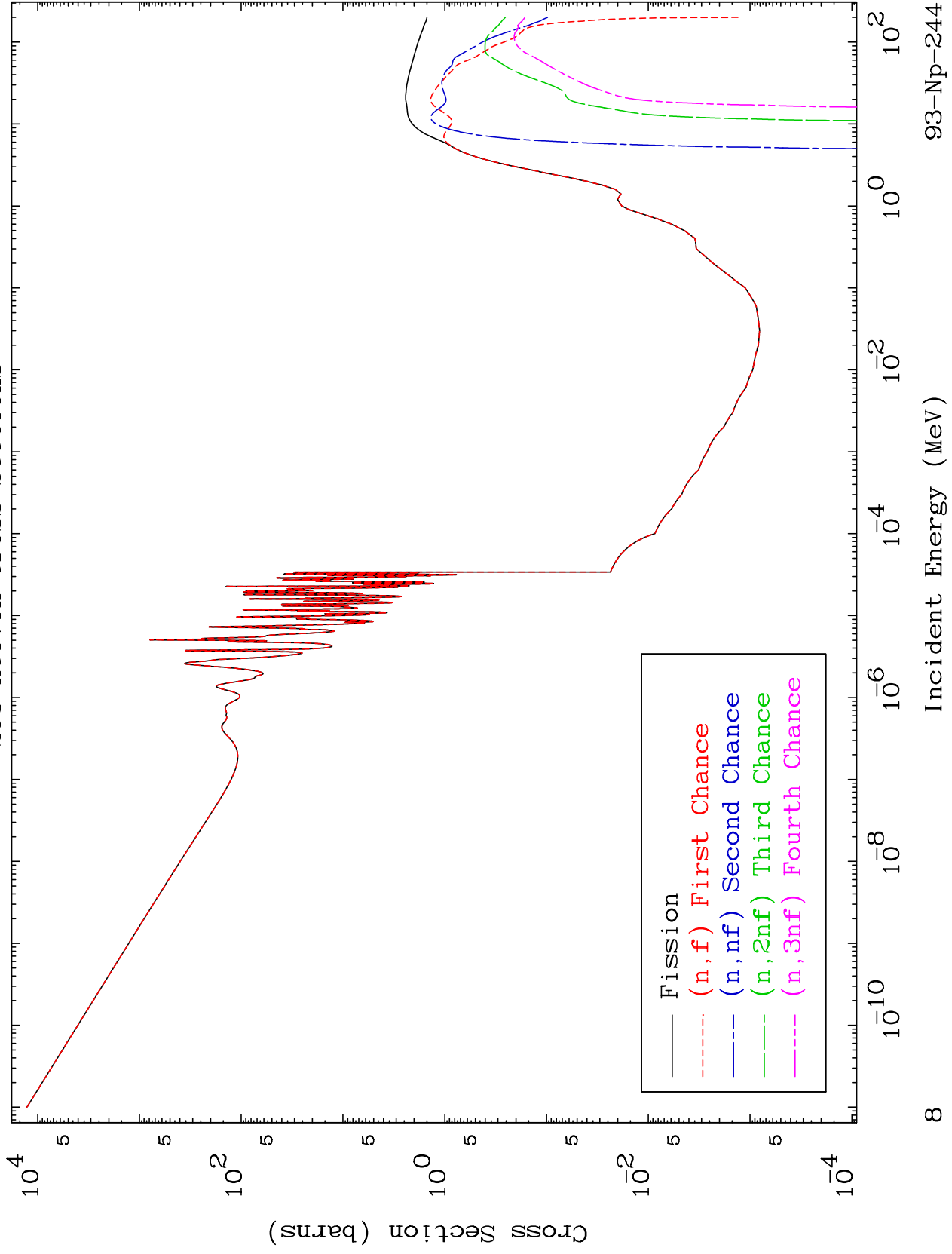


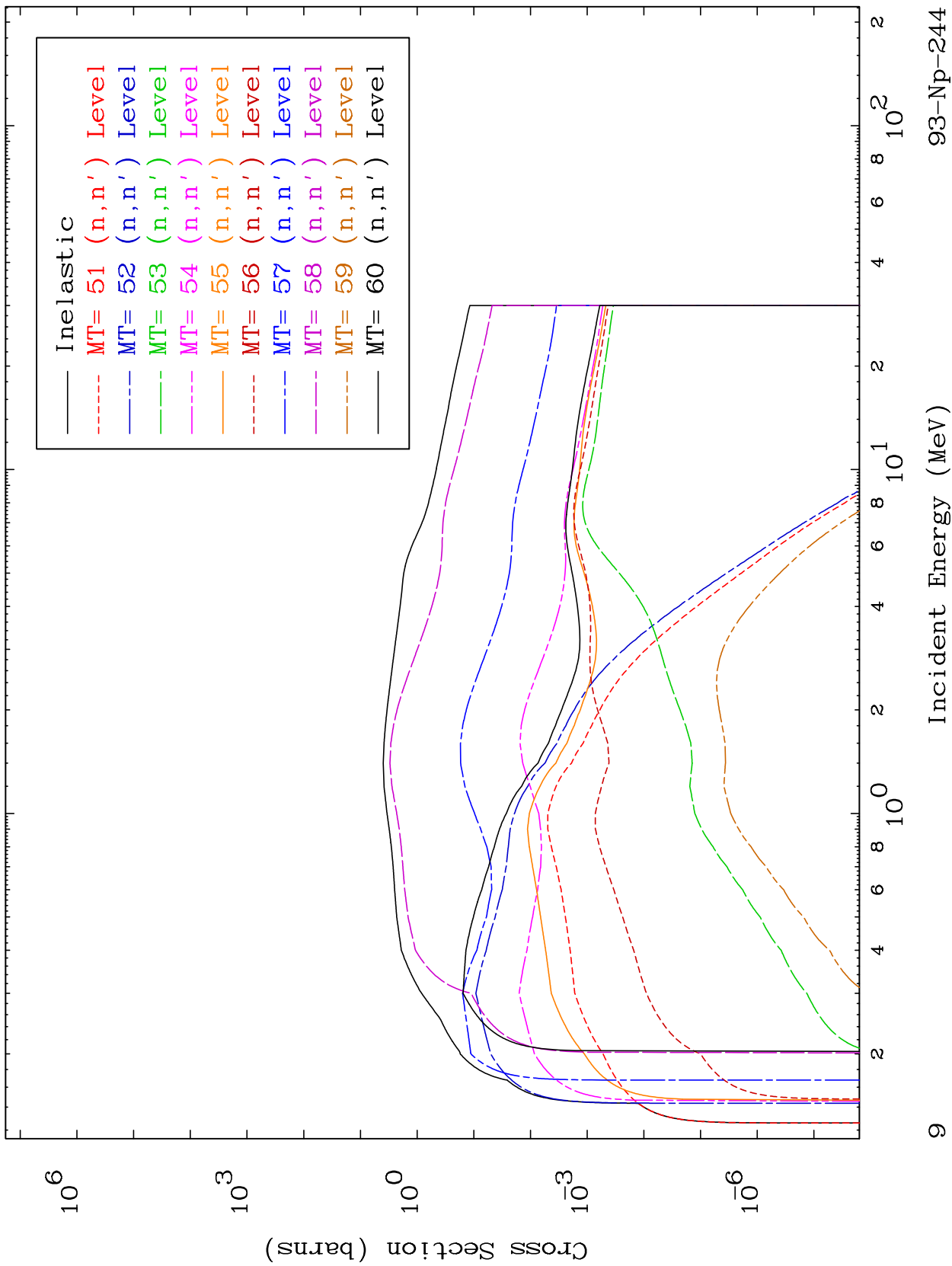


MAT 9367

Fission  
293 Kelvin Cross Sections

93-Np-244



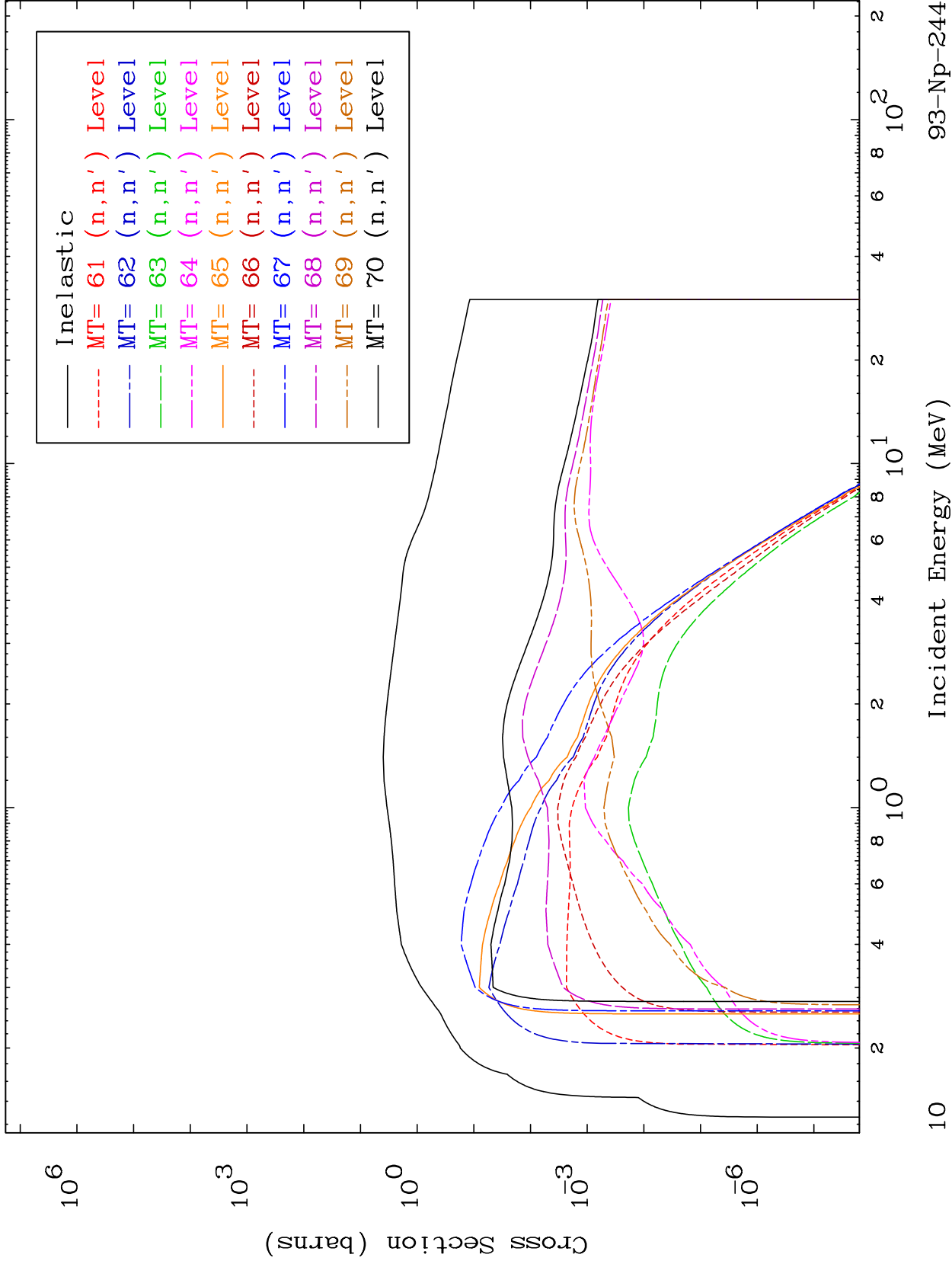


MAT 9367

(n,n') Levels

93-Np-244

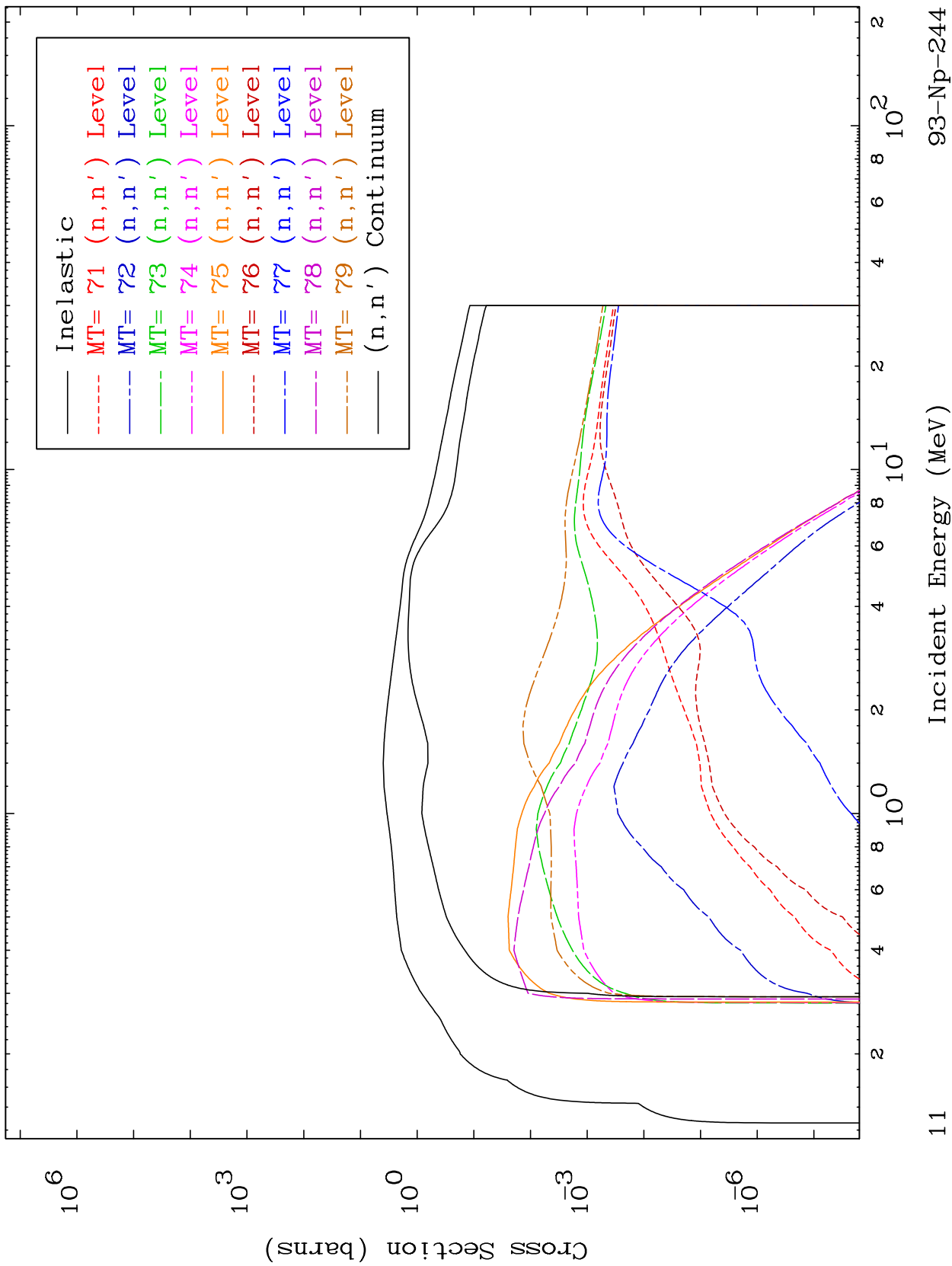
293 Kelvin Cross Sections



10

Incident Energy (MeV)

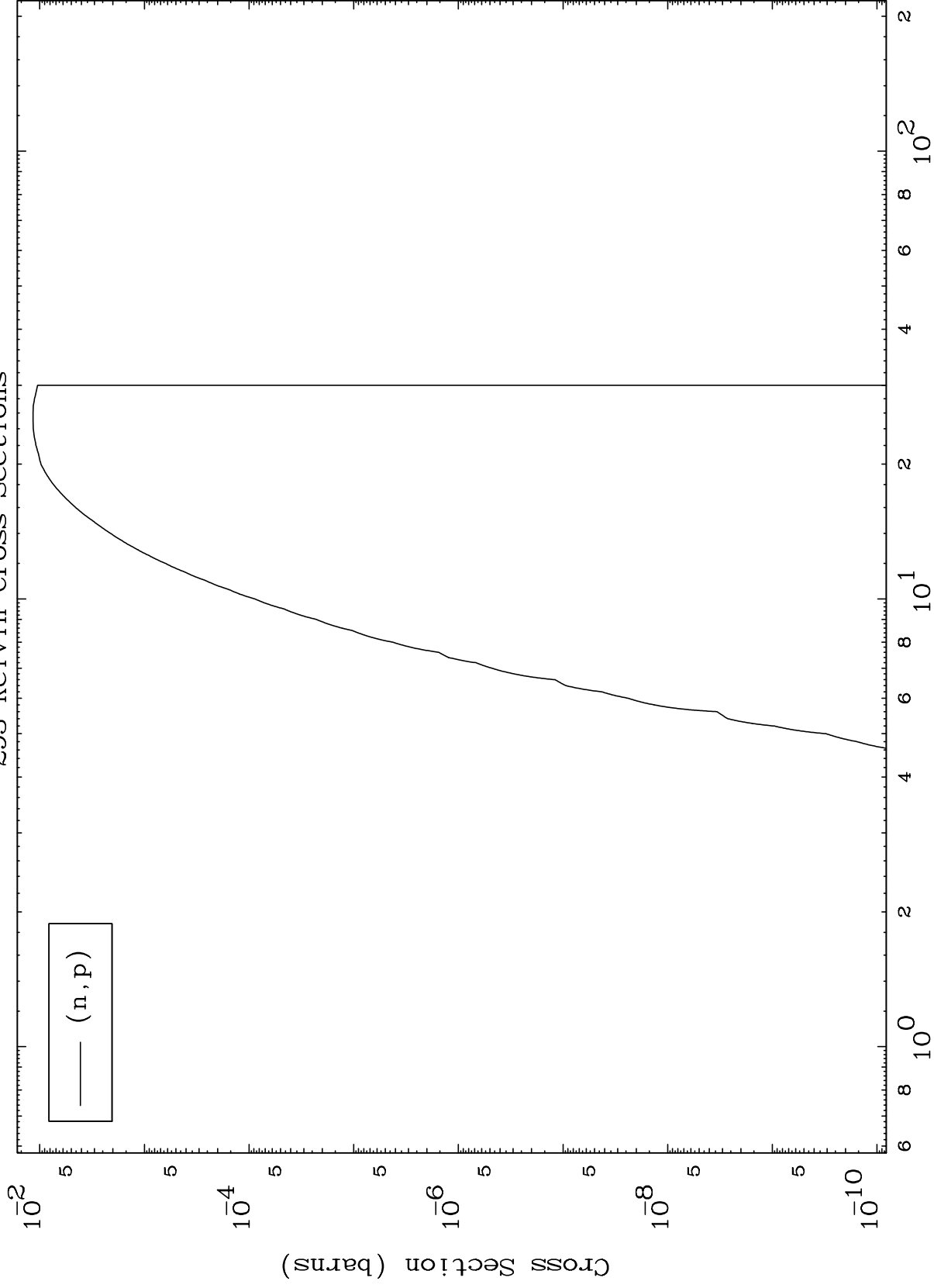
93-Np-244



MAT 9367

(n,p) Levels  
293 Kelvin Cross Sections

93-Np-244



12

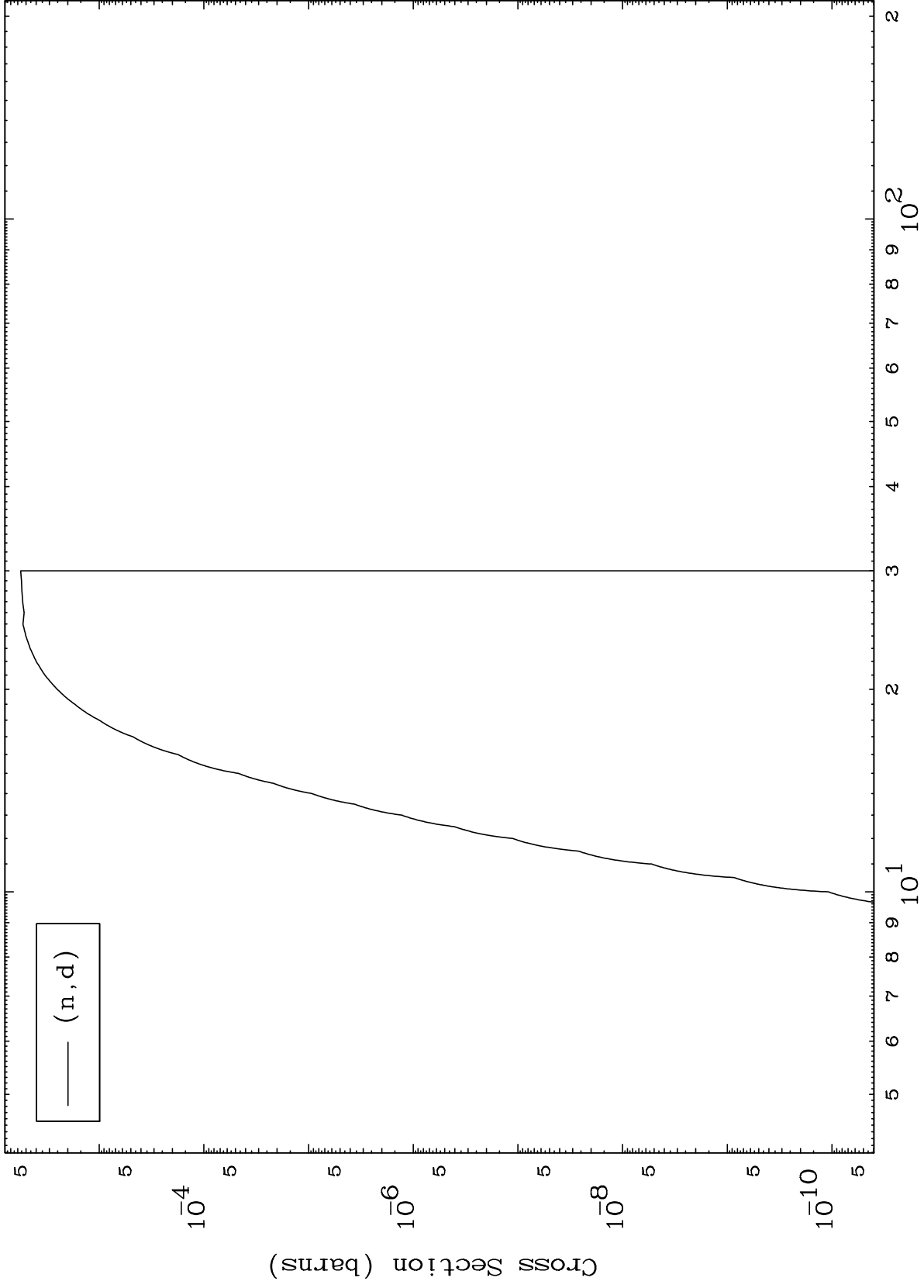
Incident Energy (MeV)

93-Np-244

MAT 9367

(n,d) Levels  
293 Kelvin Cross Sections

93-Np-244



13

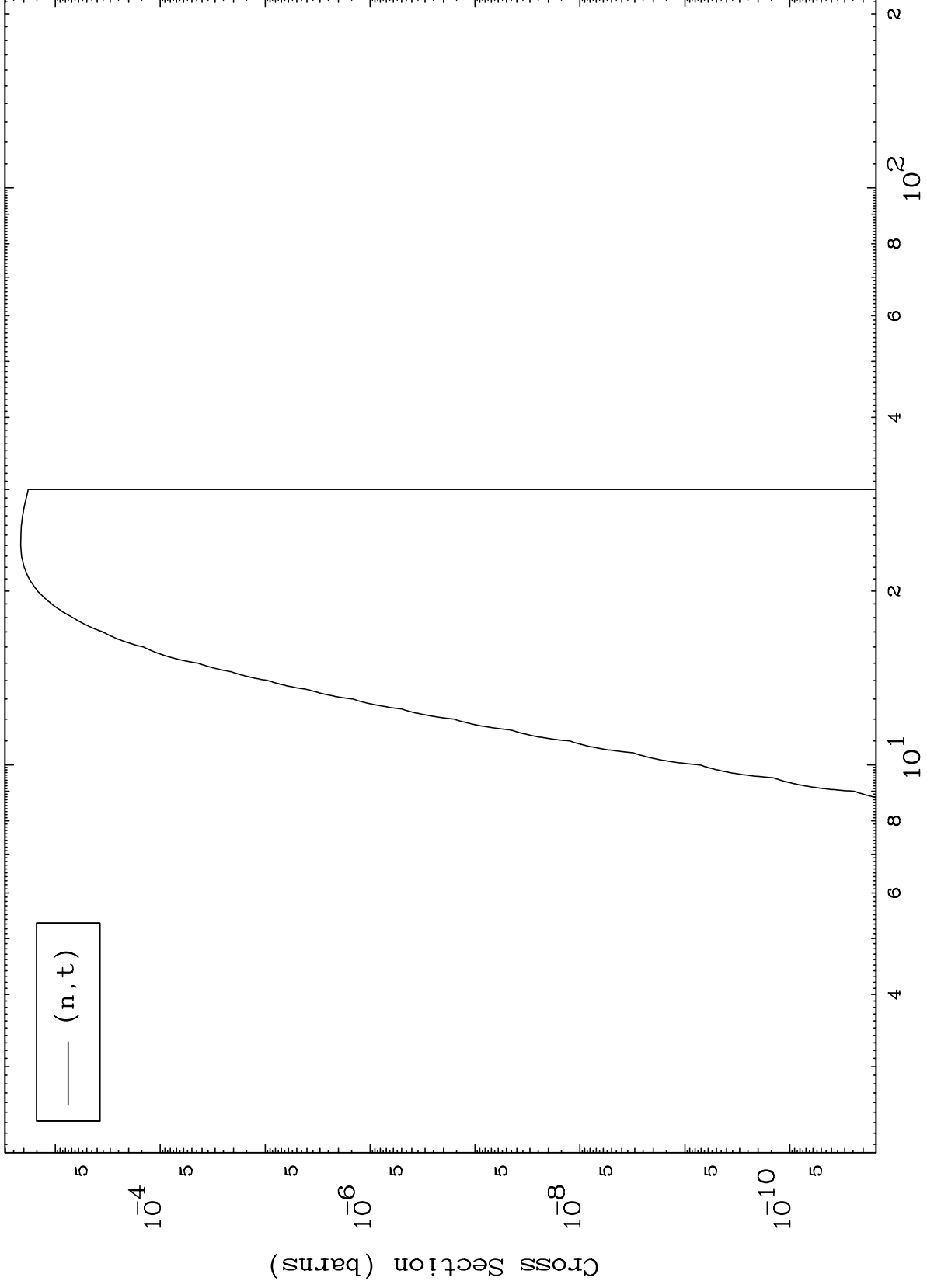
Incident Energy (MeV)

93-Np-244

MAT 9367

(n,t) Levels  
293 Kelvin Cross Sections

93-Np-244



14

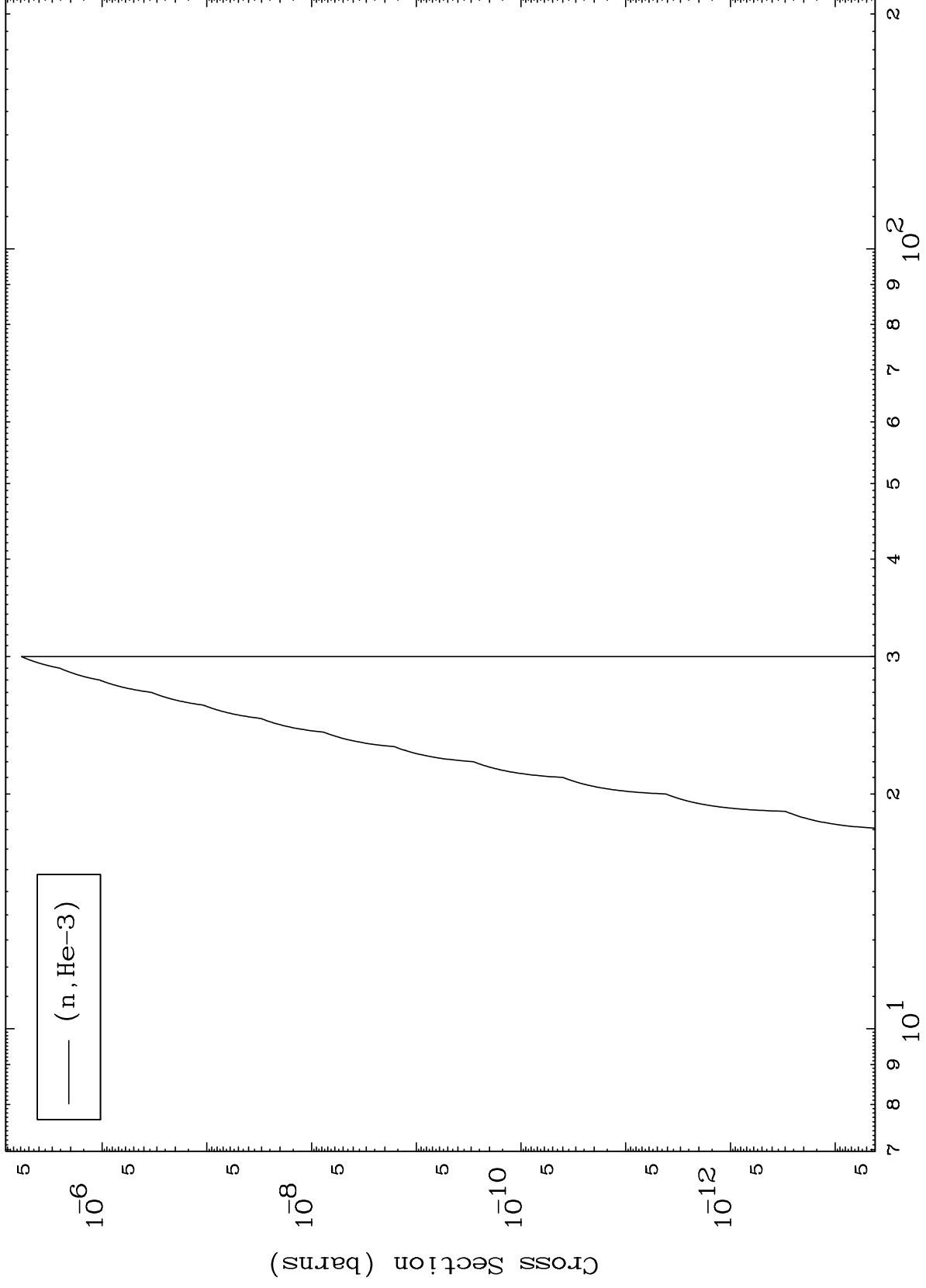
Incident Energy (MeV)

93-Np-244

MAT 9367

(n,He3) Levels  
293 Kelvin Cross Sections

93-Np-244



15

Incident Energy (MeV)

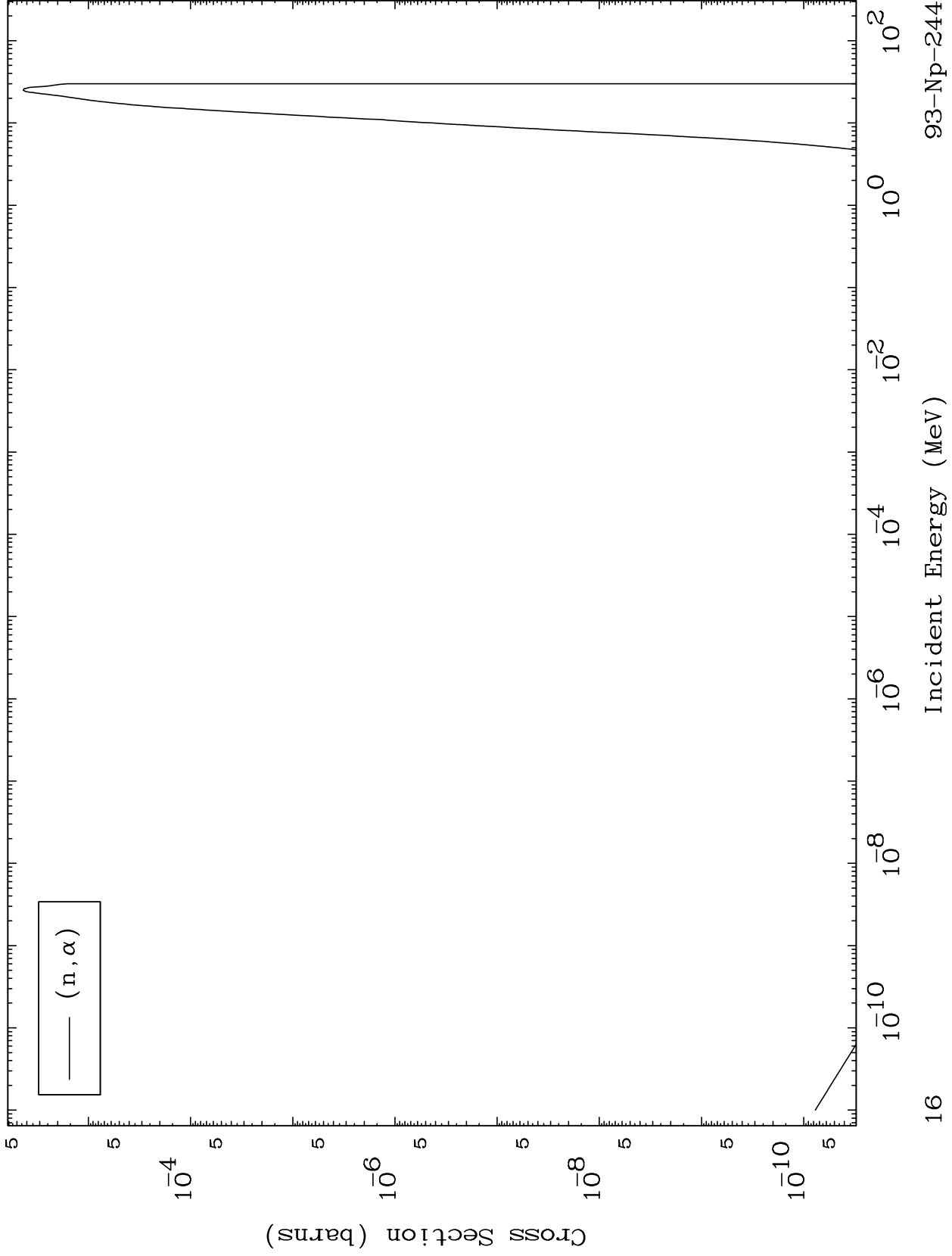
93-Np-244

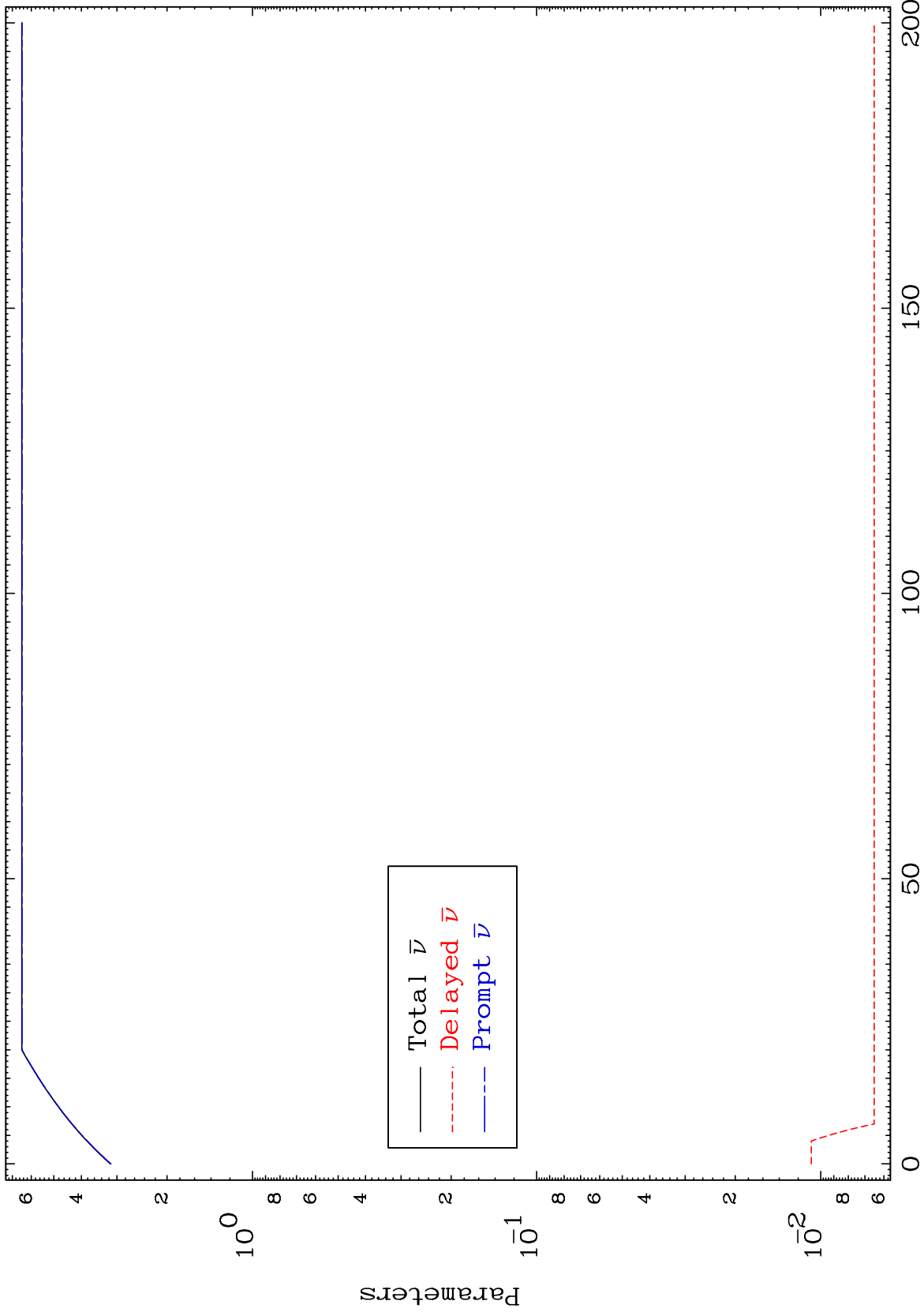


MAT 9367

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

93-Np-244

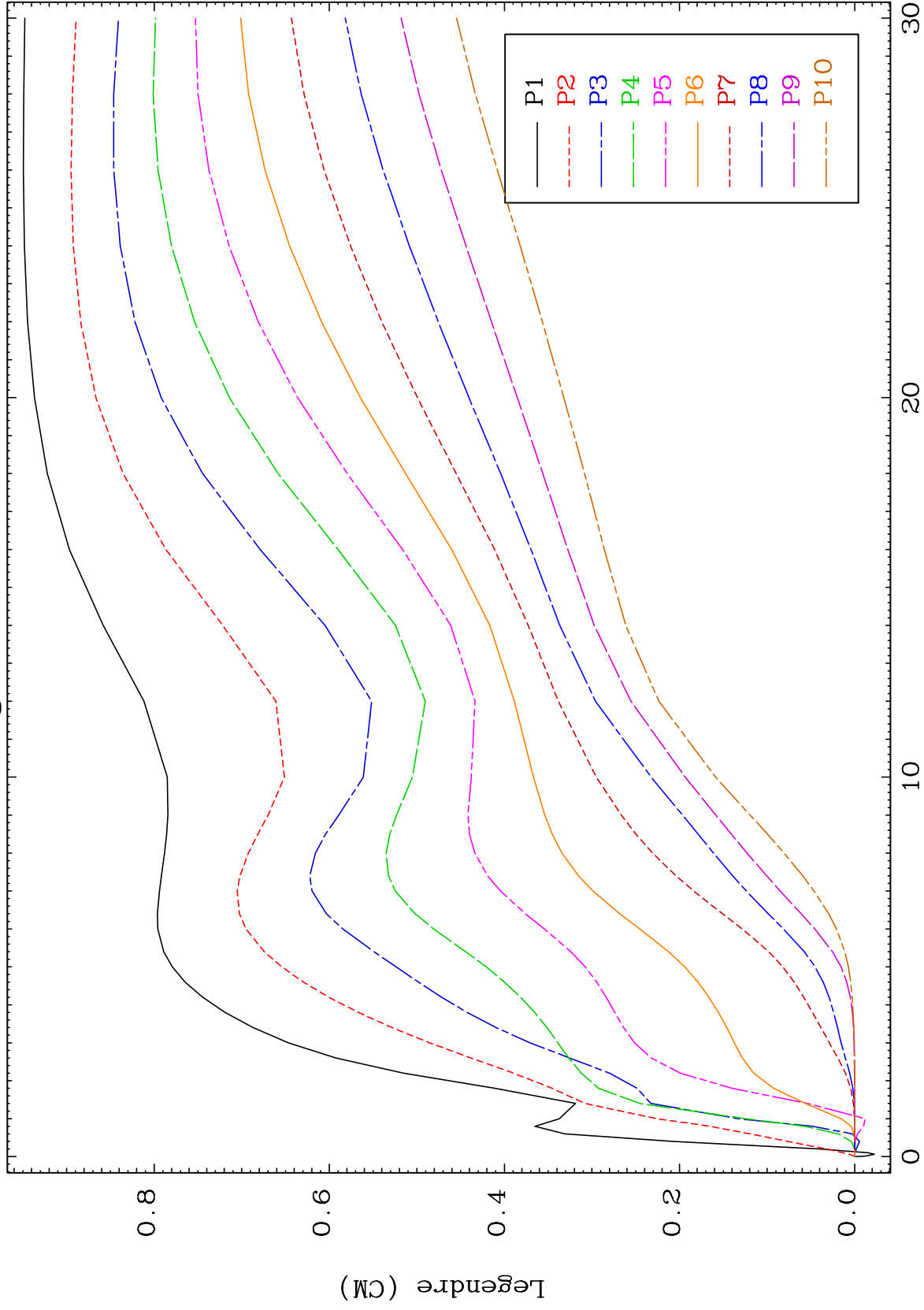




MAT 9367

Elastic Legendre Coefficients

93-Np-244



18

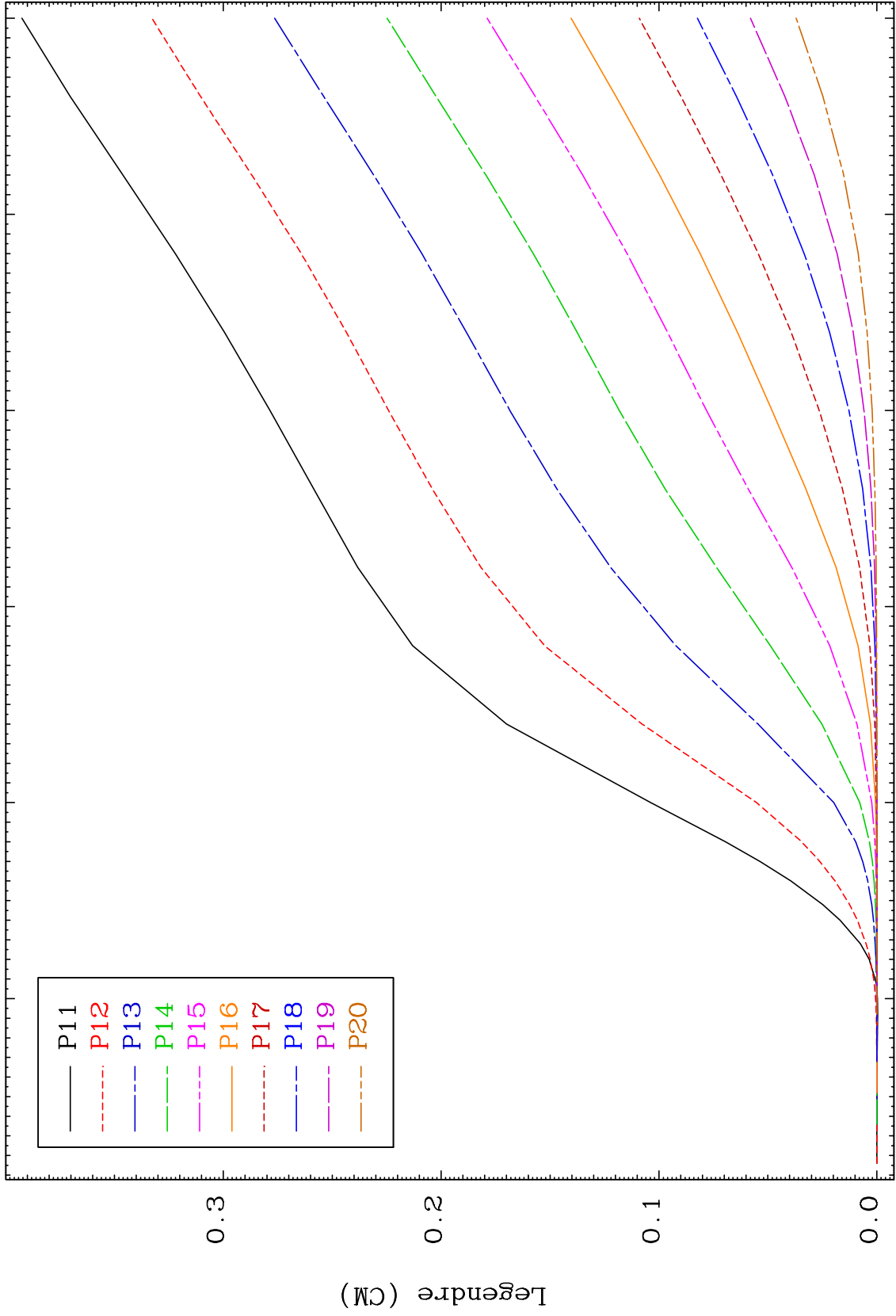
Incident Energy (MeV)

93-Np-244

MAT 9367

Elastic Legendre Coefficients

<sup>93</sup>Np-244



19

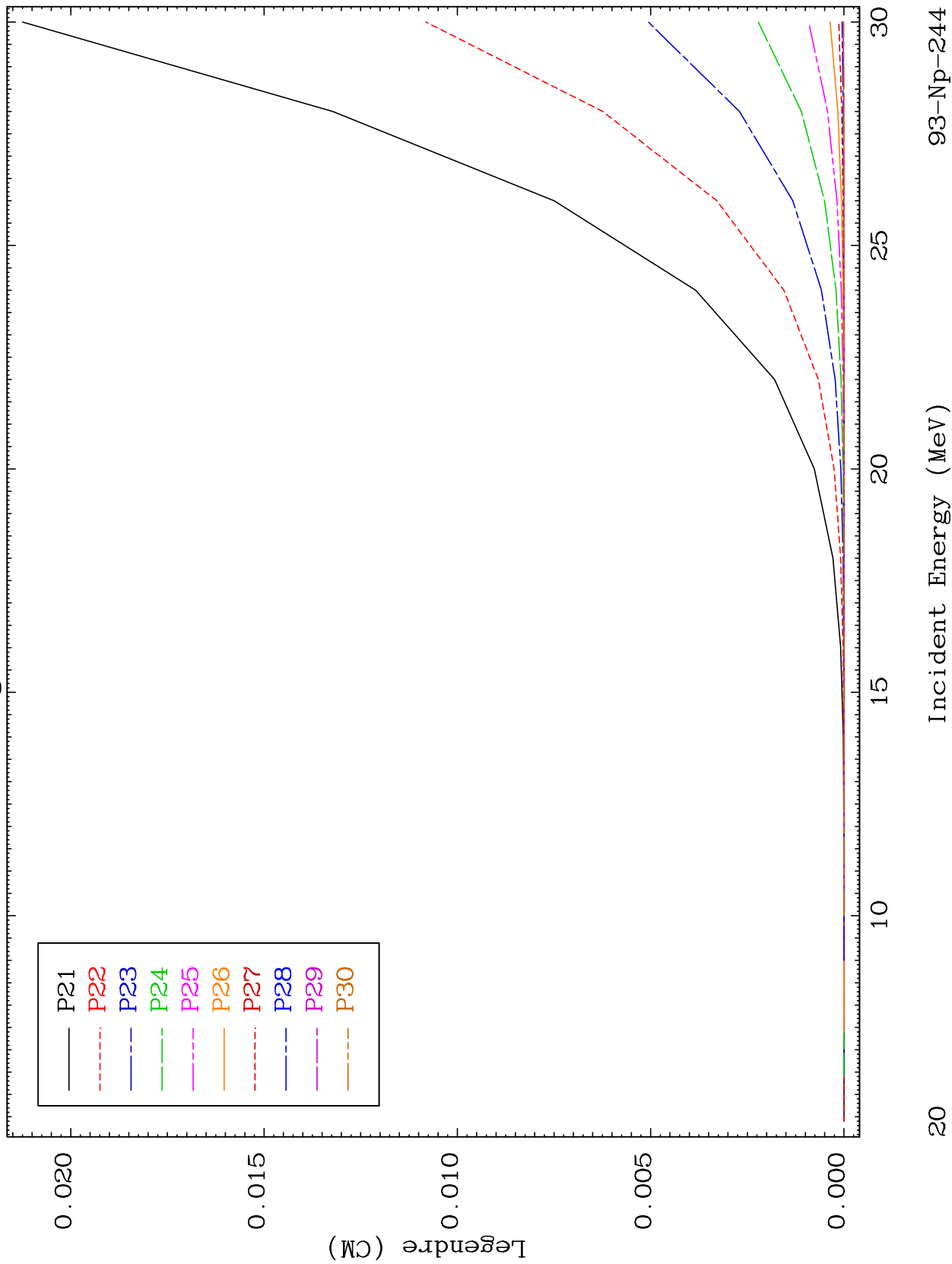
Incident Energy (MeV)

<sup>93</sup>Np-244

MAT 9367

### Elastic Legendre Coefficients

<sup>93</sup>Np-244



<sup>93</sup>Np-244

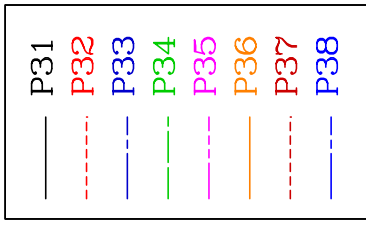
Incident Energy (MeV)

20

MAT 9367

Elastic Legendre Coefficients

93-Np-244



$\times 10^{-6}$   
1.5  
1.0

Legendre (CM)

0.5

0.0

15

20

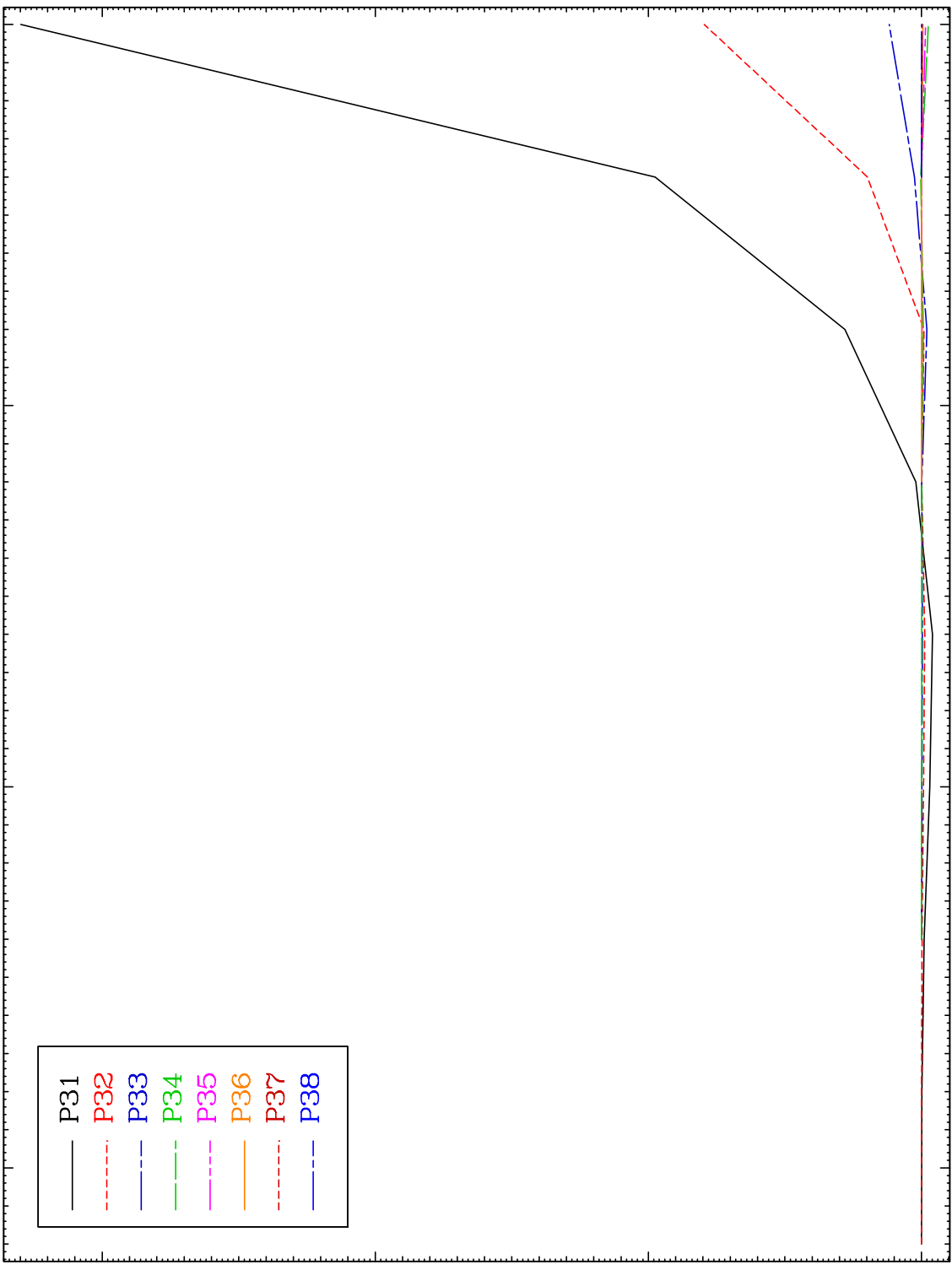
25

30

21

Incident Energy (MeV)

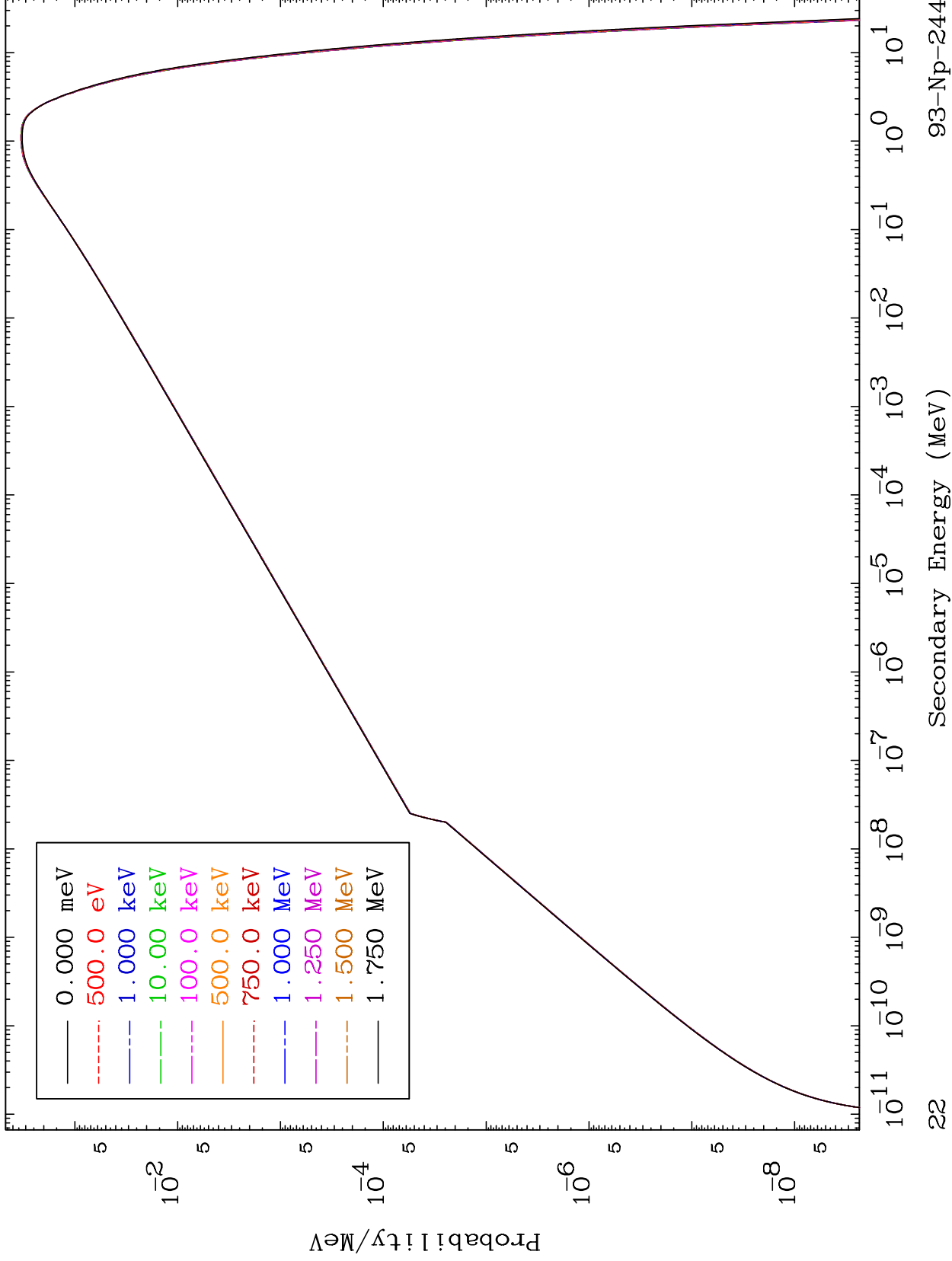
93-Np-244



MAT 9367

### Fission Energy Distributions

<sup>93</sup>Np-244



<sup>93</sup>Np-244

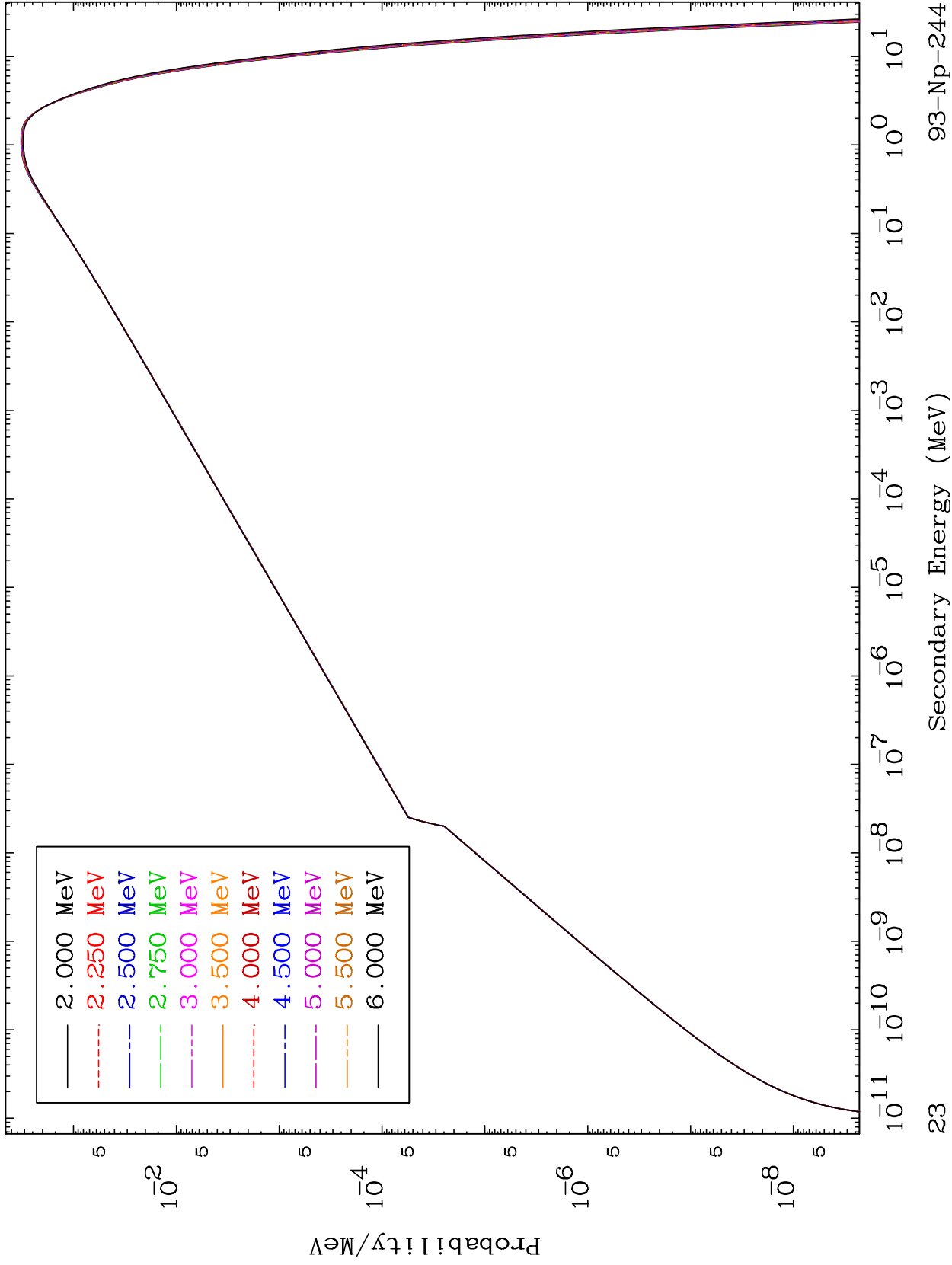
Secondary Energy (MeV)

22

MAT 9367

### Fission Energy Distributions

<sup>93</sup>Np-244

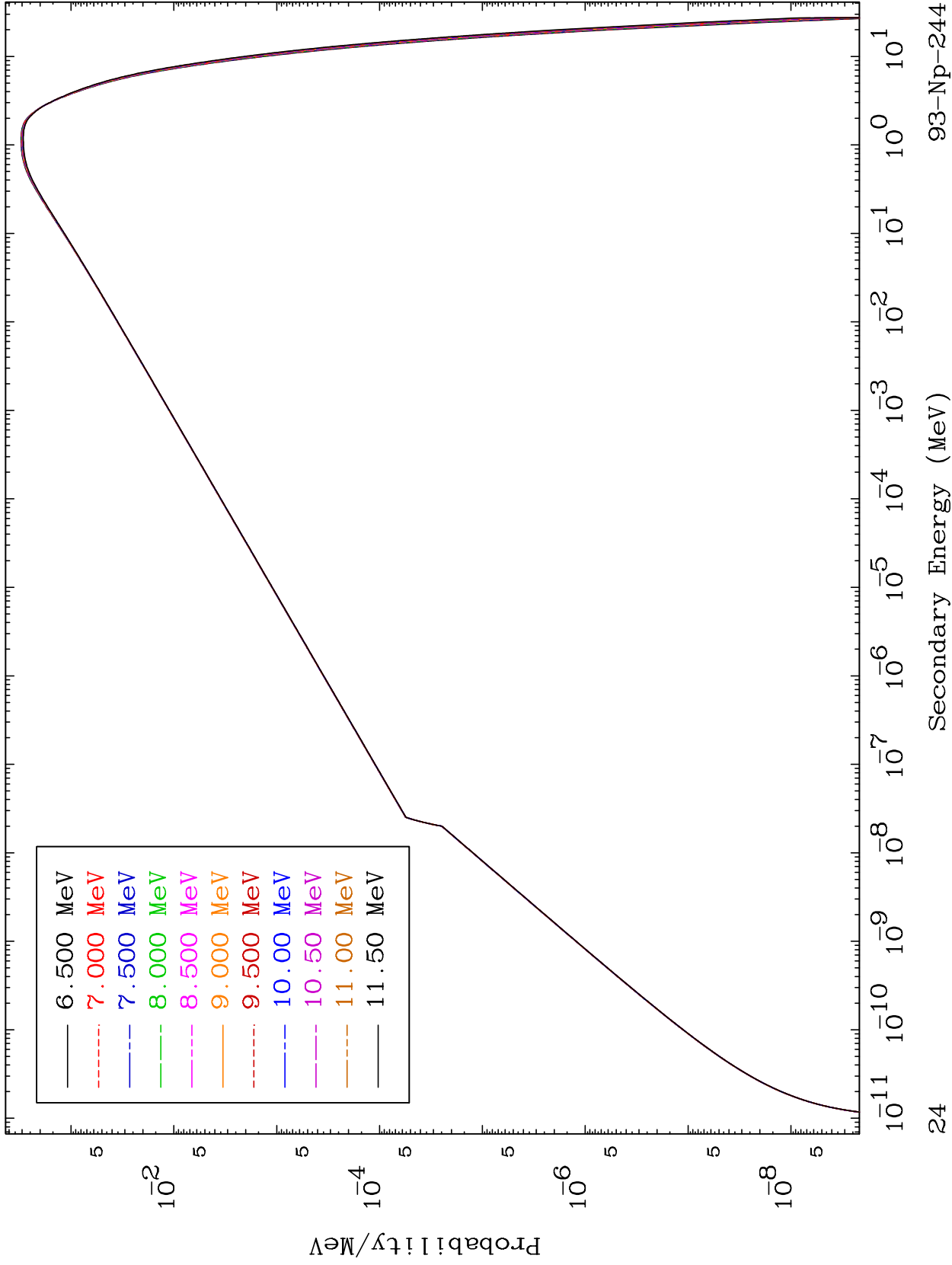




MAT 9367

### Fission Energy Distributions

<sup>93</sup>Np-244

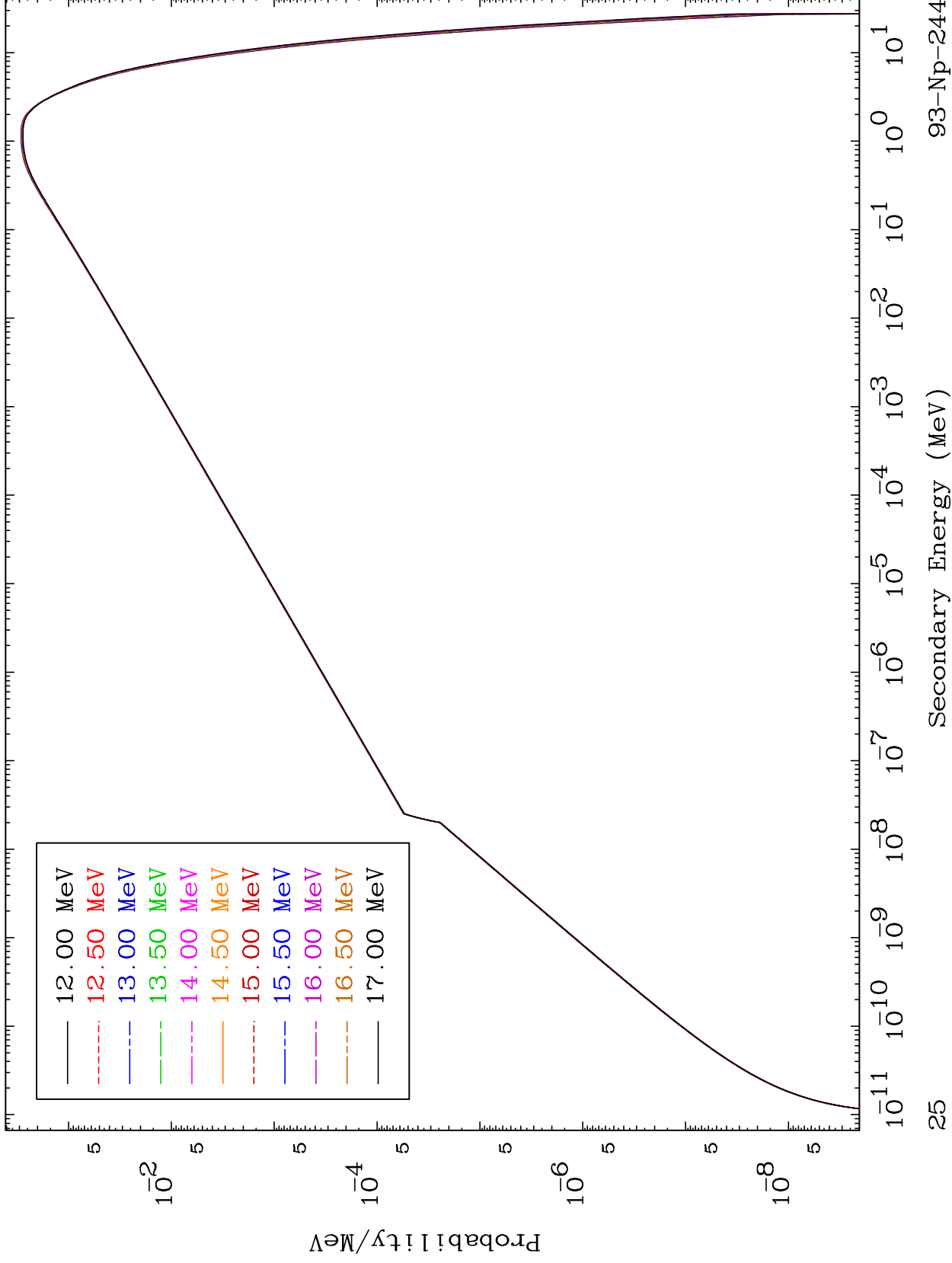


24

MAT 9367

### Fission Energy Distributions

93-Np-244

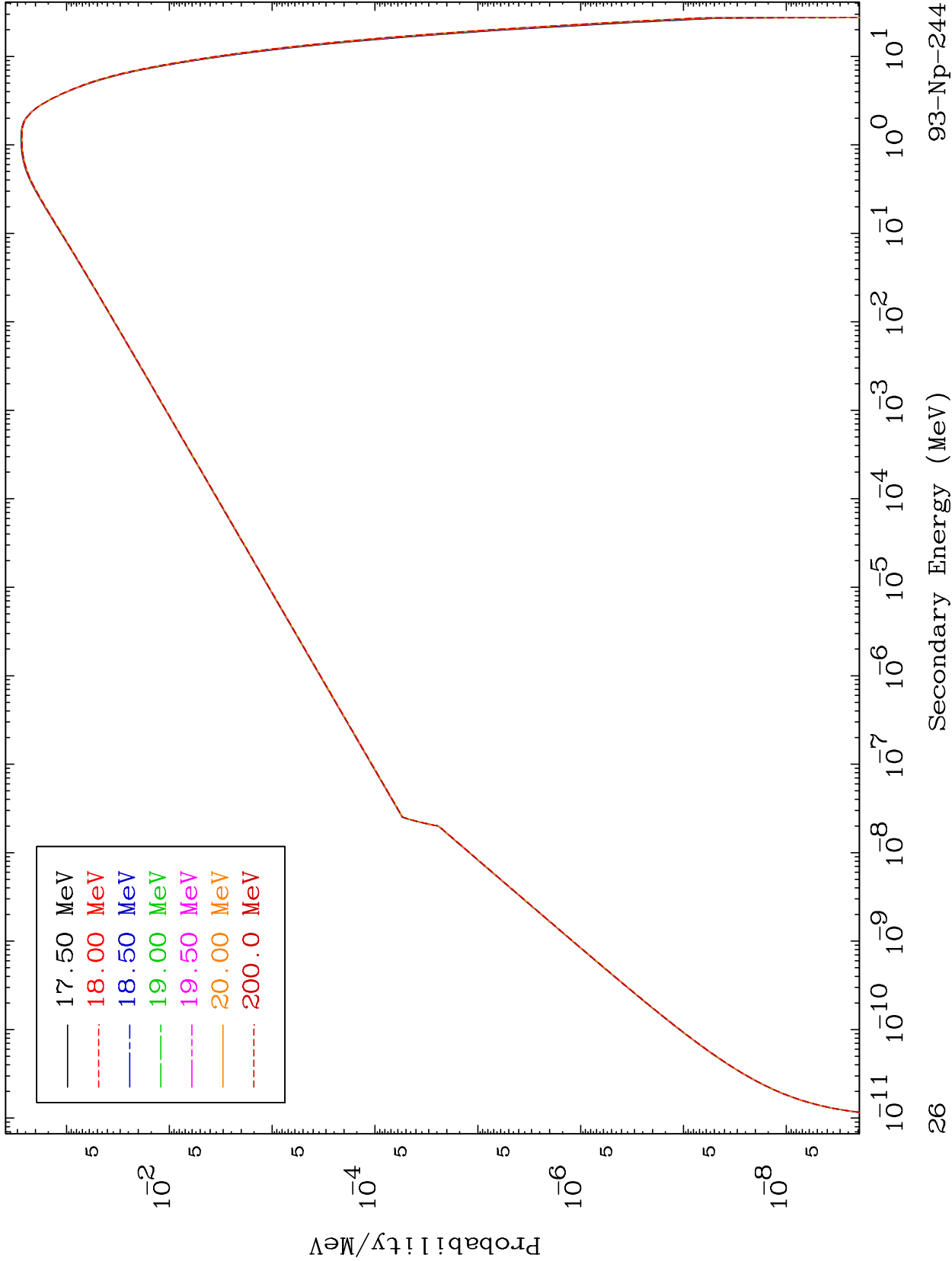


25

MAT 9367

### Fission Energy Distributions

93-Np-244

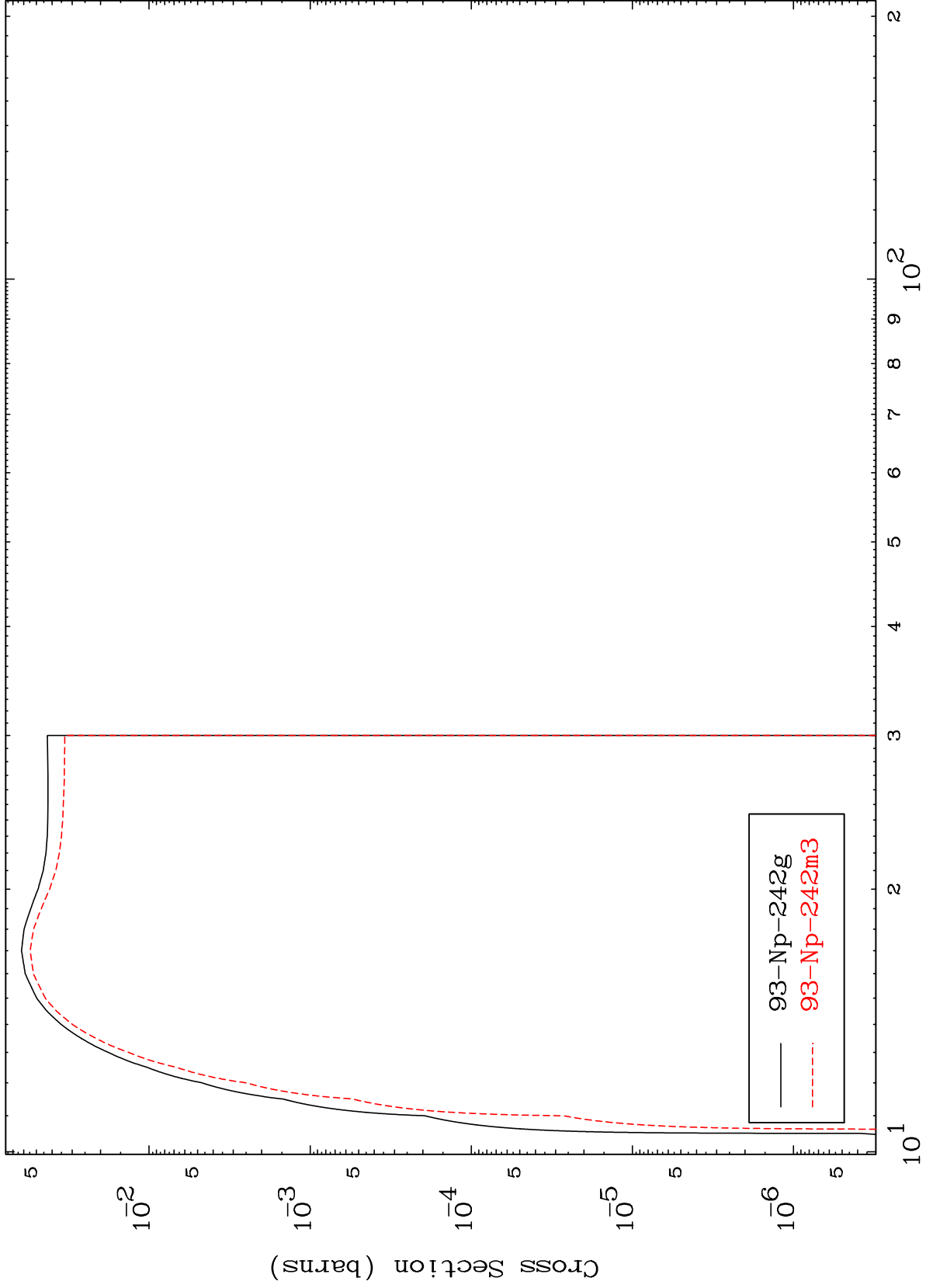


MAT 9367

(n,3n)

93-Np-244

Radionuclide Production Cross Section



93-Np-244

Incident Energy (MeV)

27