

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

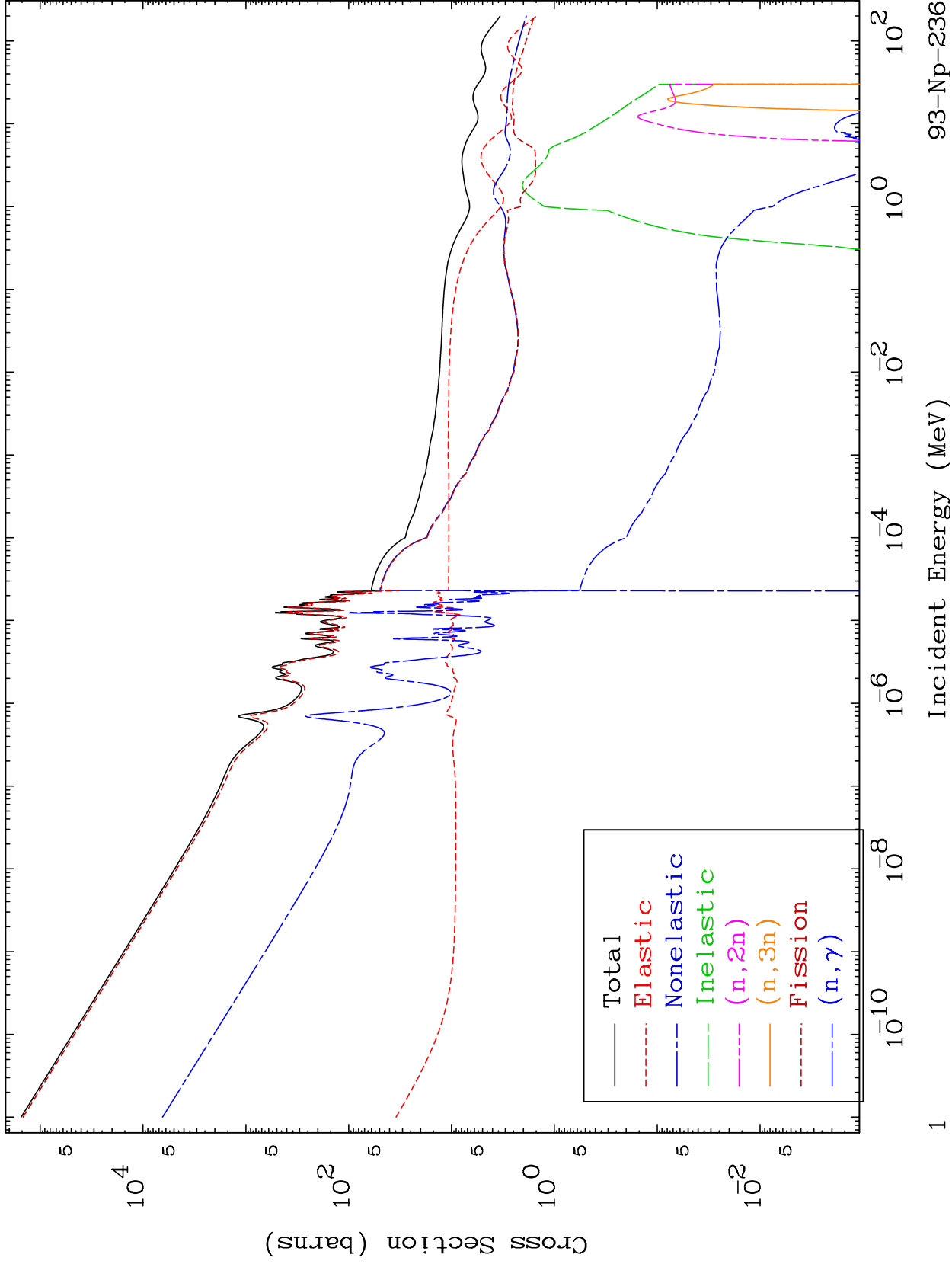
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9343

Neutron Major  
293 Kelvin Cross Sections

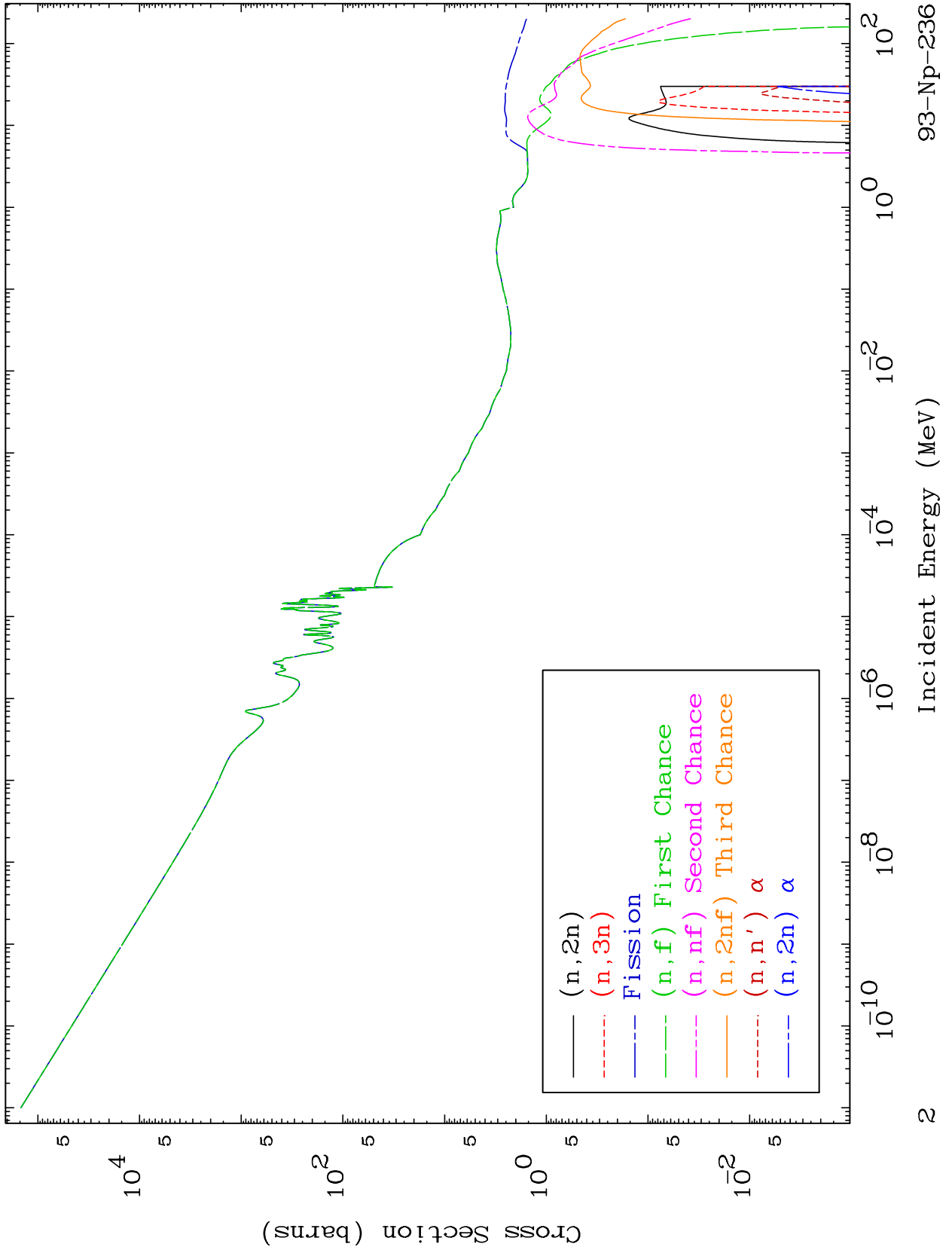
93-Np-236



MAT 9343

Neutron Absorption  
293 Kelvin Cross Sections

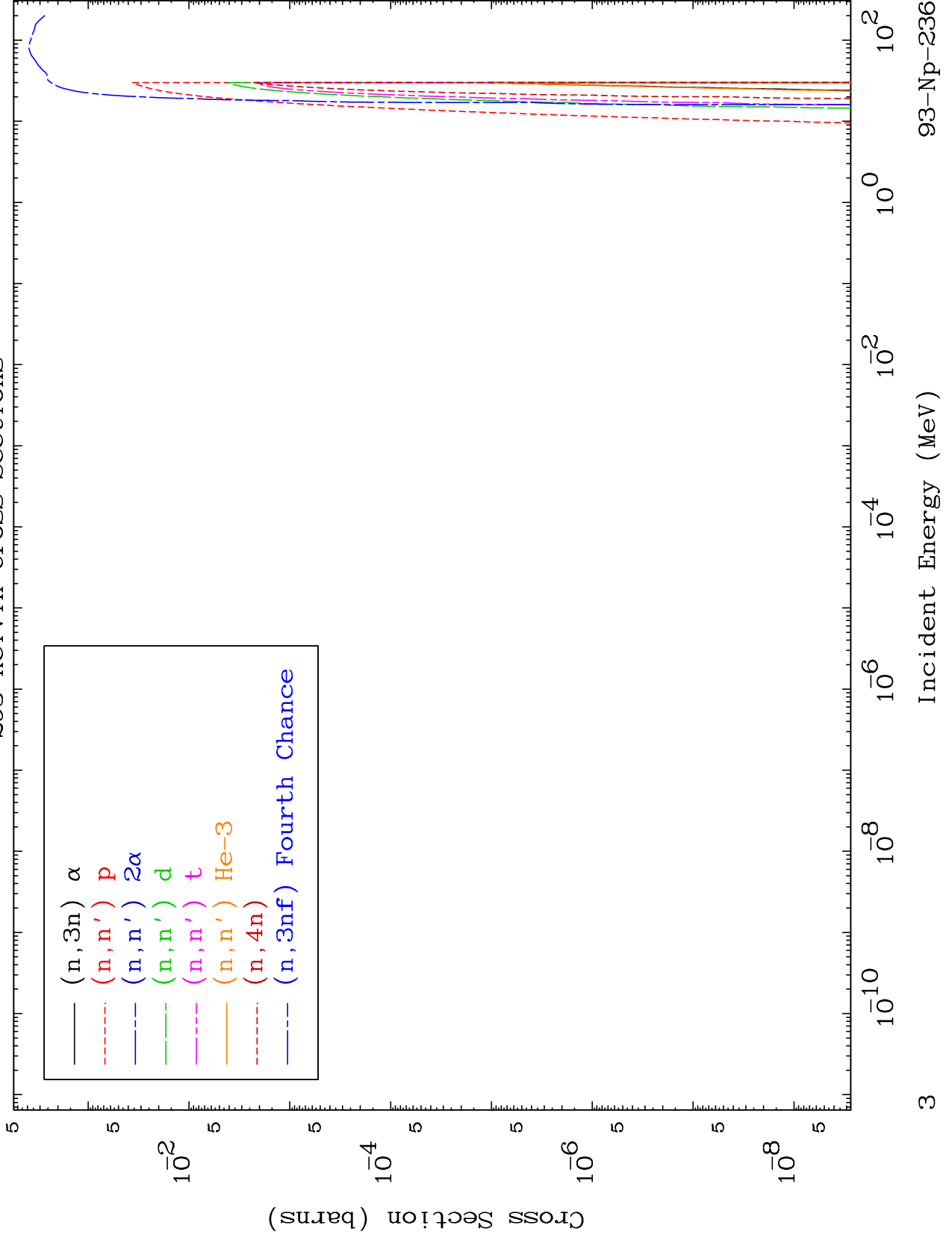
93-Np-236



MAT 9343

Neutron Absorption  
293 Kelvin Cross Sections

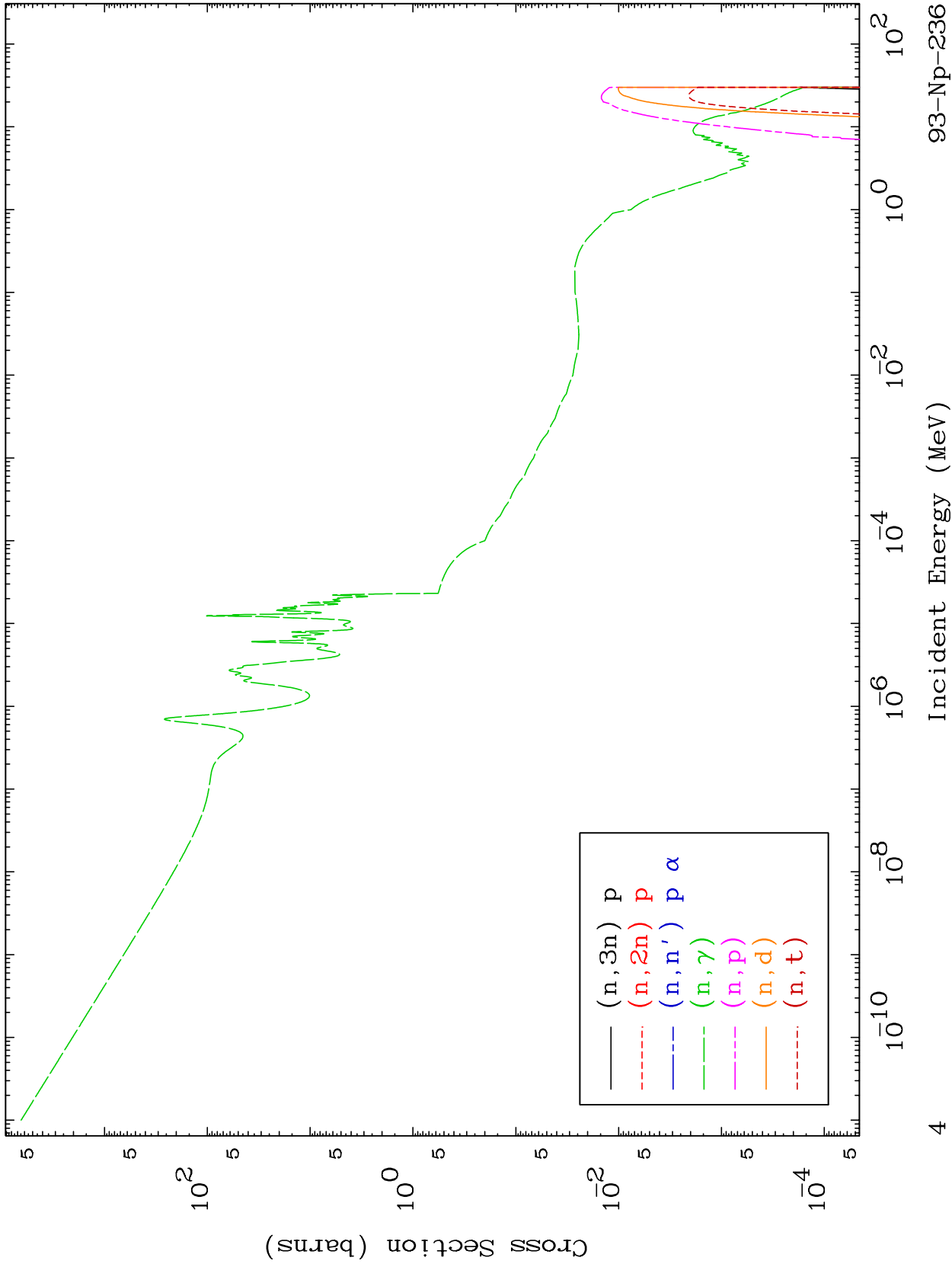
93-Np-236



MAT 9343

Neutron Absorption  
293 Kelvin Cross Sections

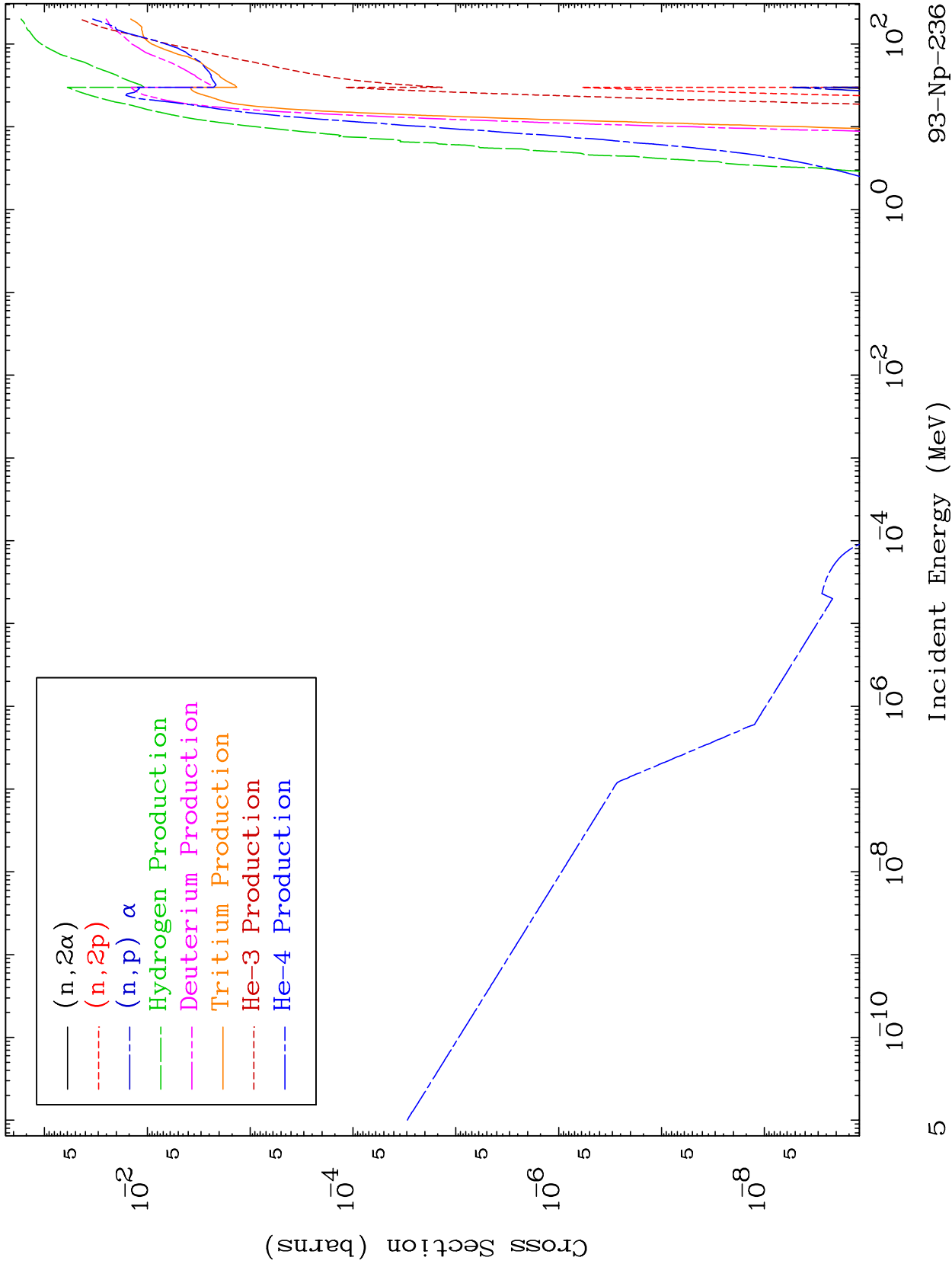
93-Np-236



MAT 9343

Neutron Absorption  
293 Kelvin Cross Sections

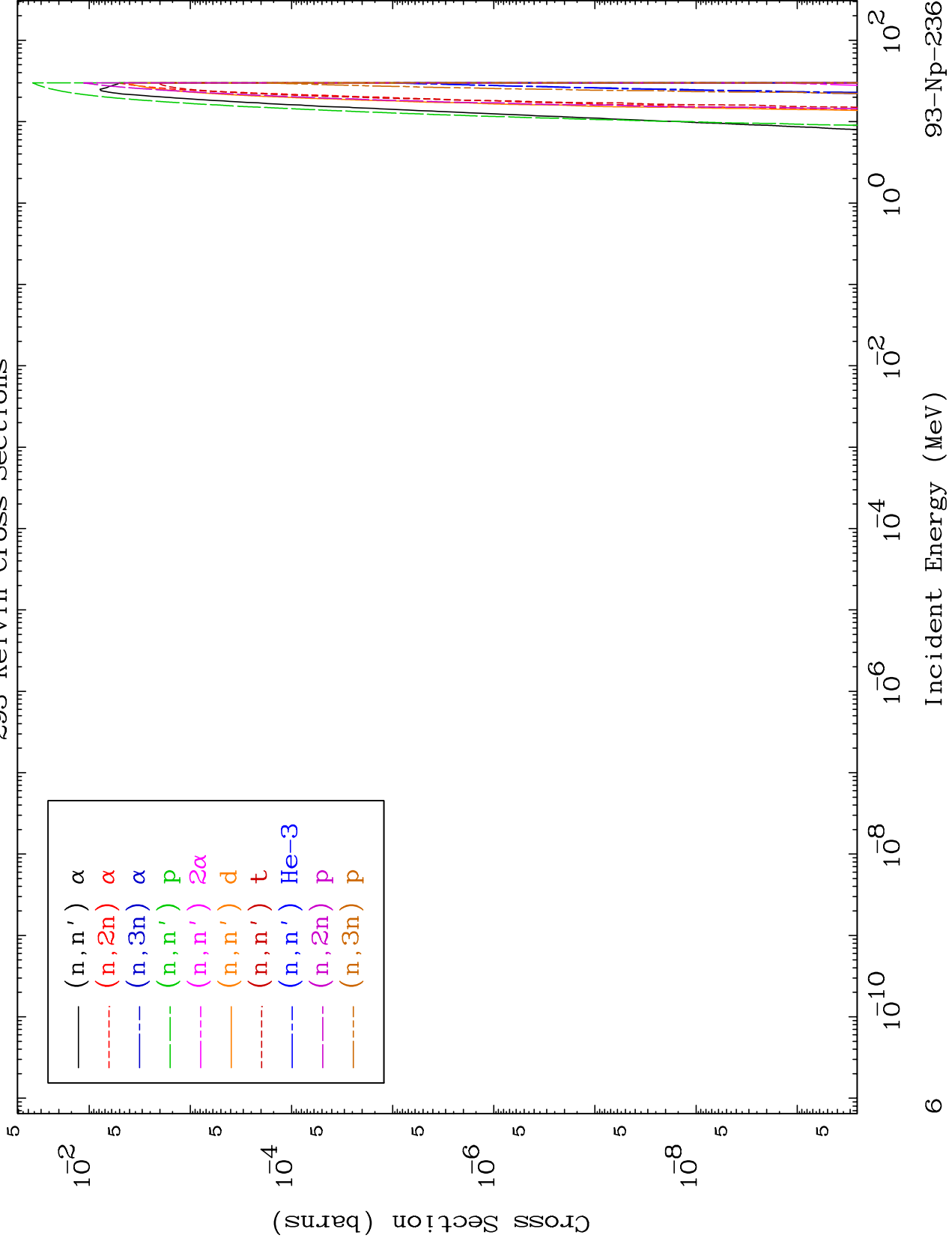
93-Np-236



MAT 9343

Charged Particle  
293 Kelvin Cross Sections

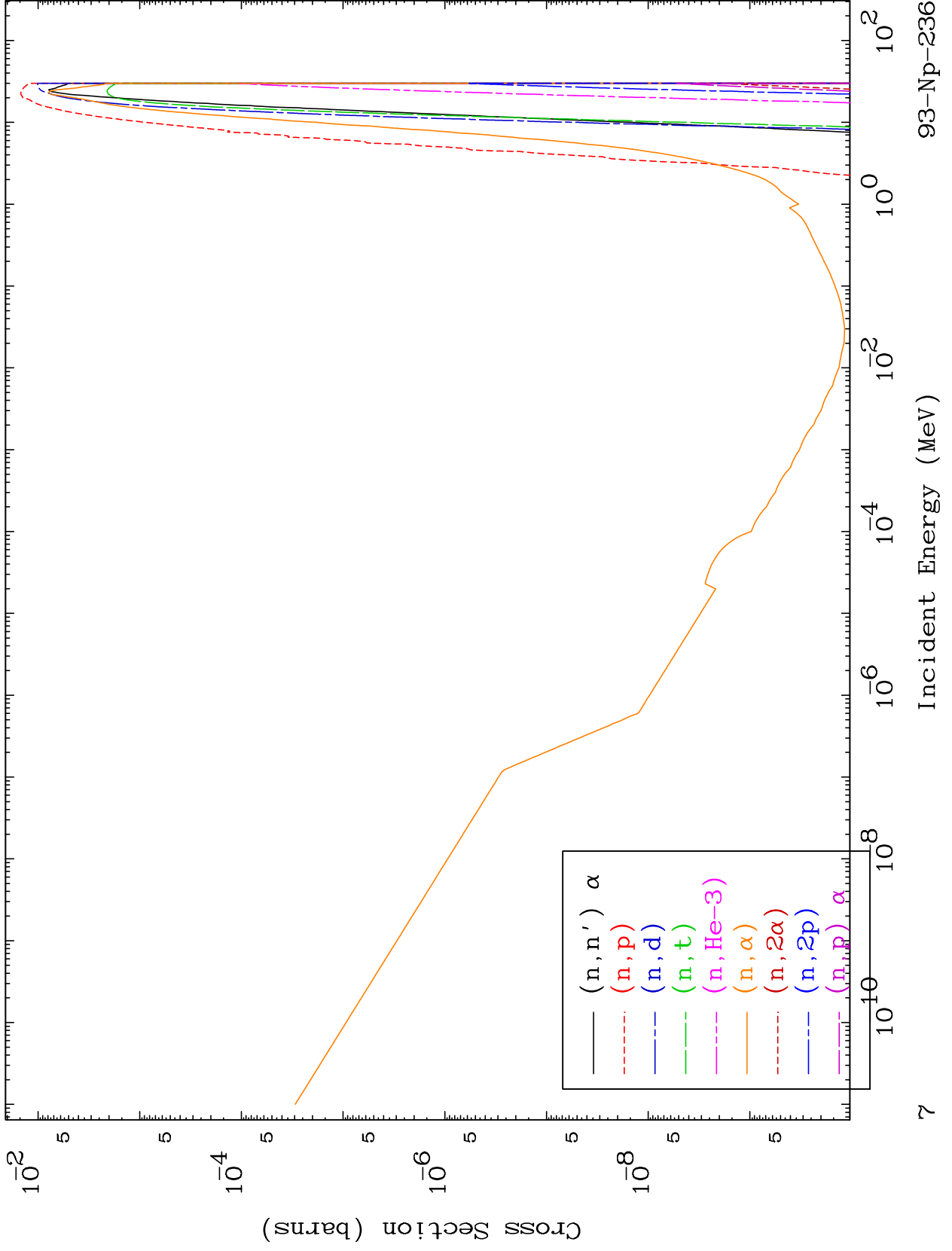
93-Np-236



MAT 9343

Charged Particle  
293 Kelvin Cross Sections

93-Np-236

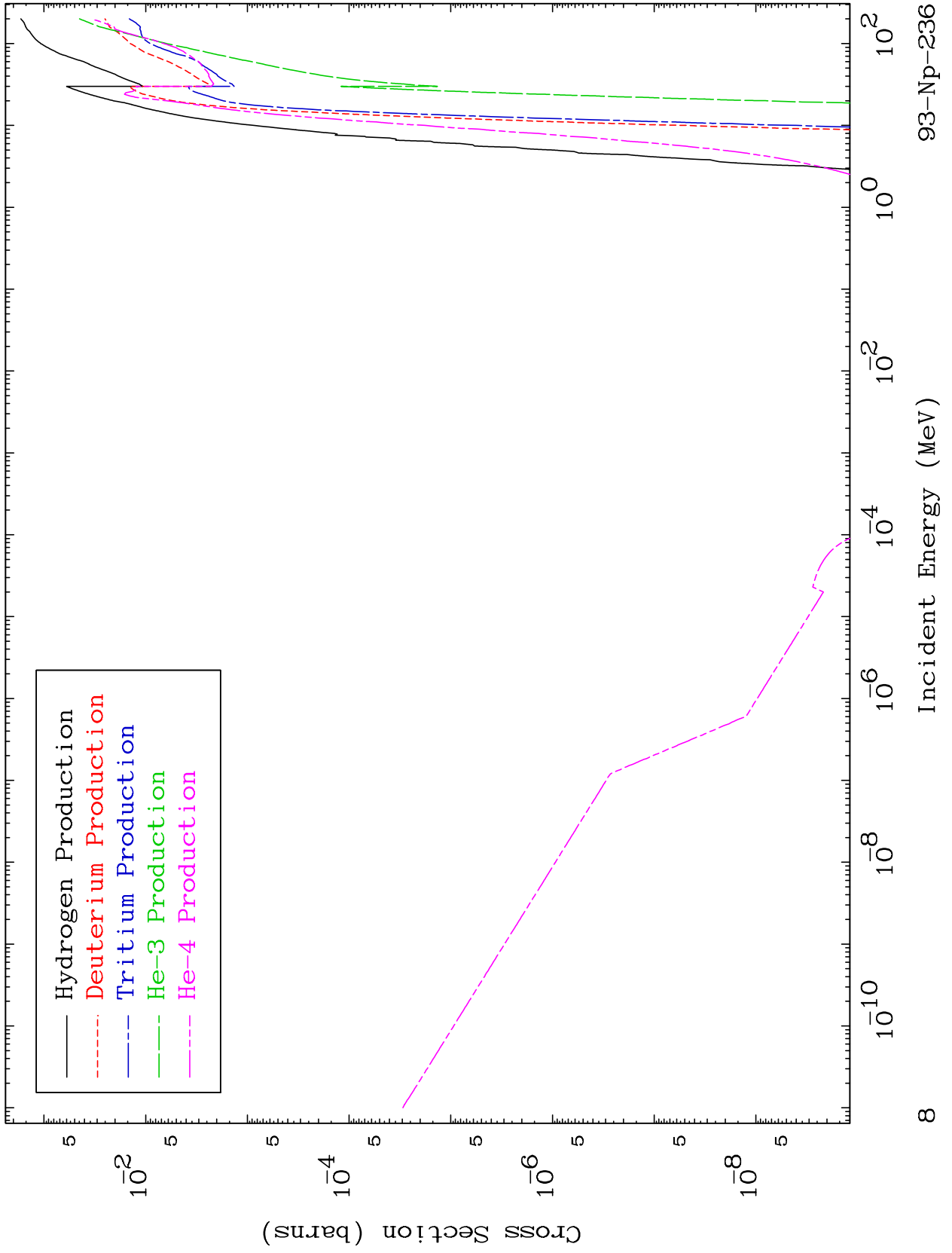




MAT 9343

Particle Production  
293 Kelvin Cross Sections

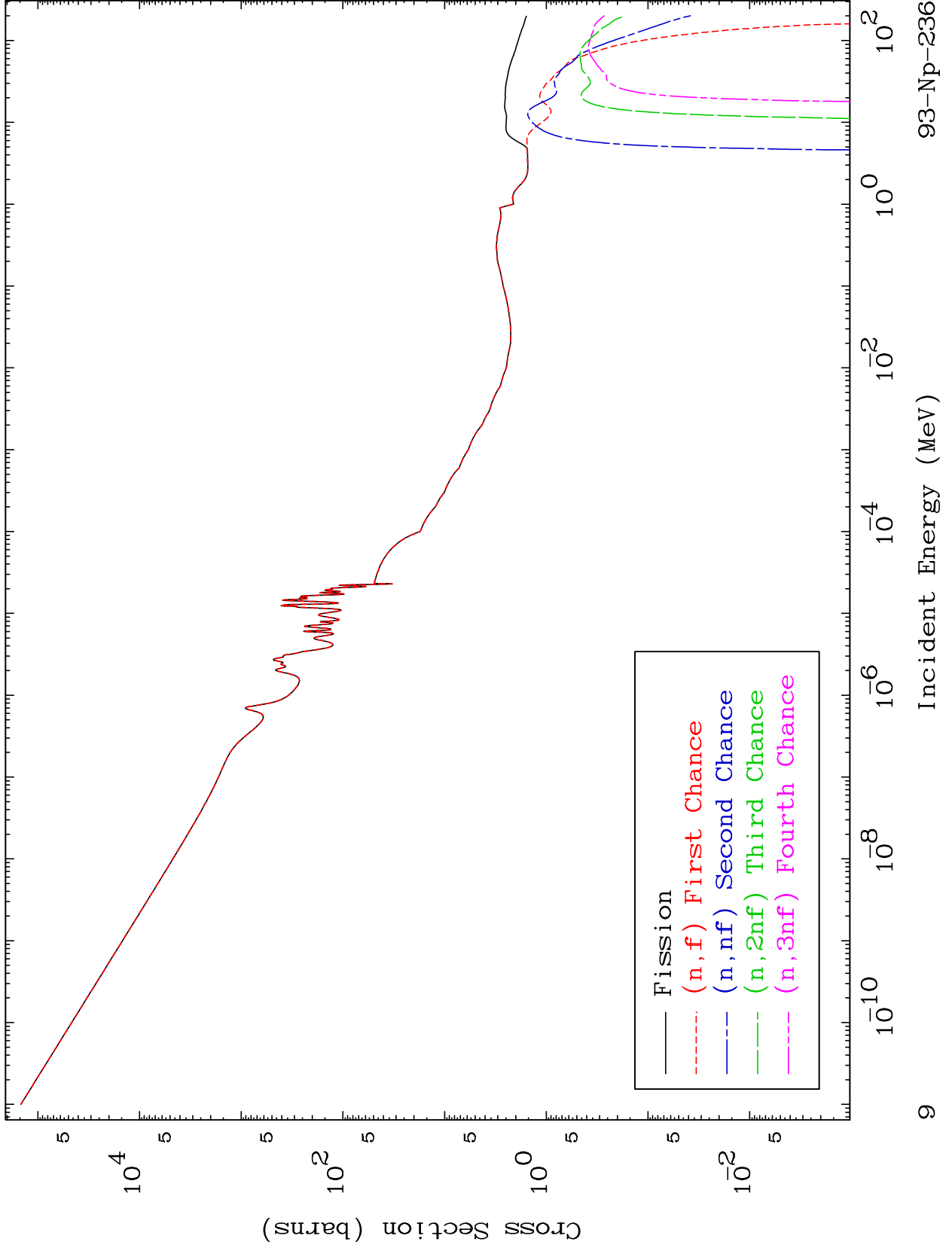
93-Np-236



MAT 9343

Fission  
293 Kelvin Cross Sections

93-Np-236

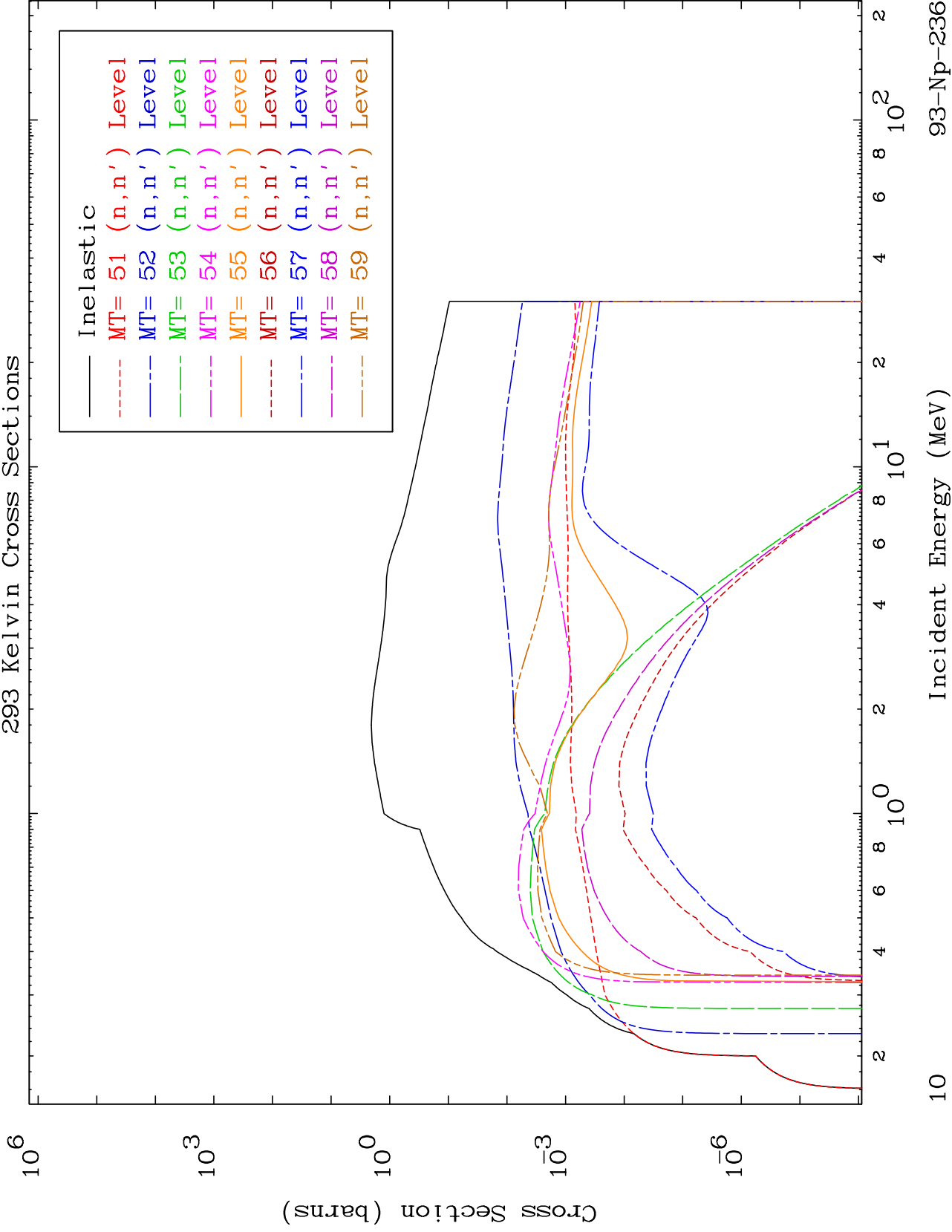


MAT 9343

(n,n') Levels

93-Np-236

293 Kelvin Cross Sections



10

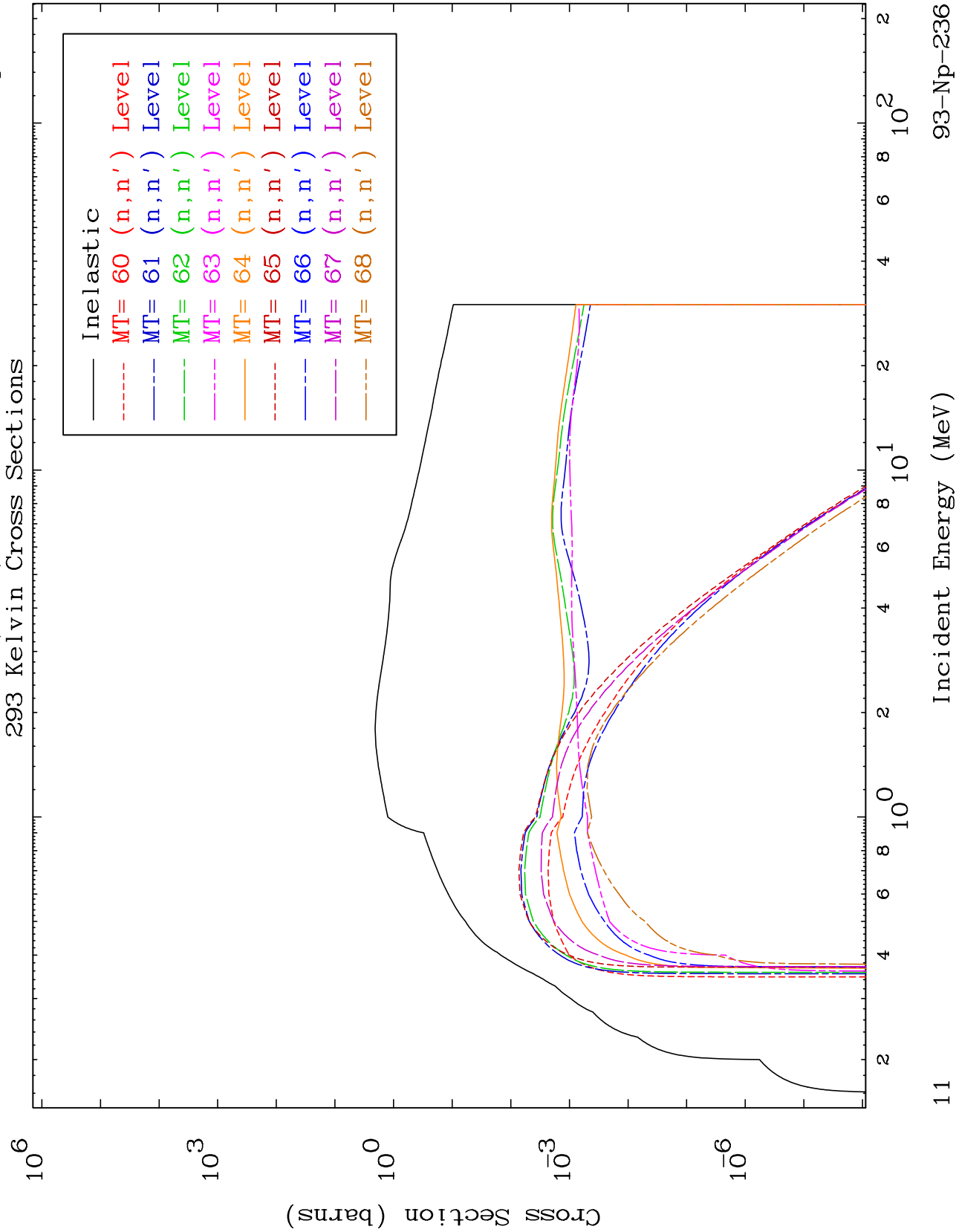
Incident Energy (MeV)

93-Np-236

MAT 9343

(n,n') Levels

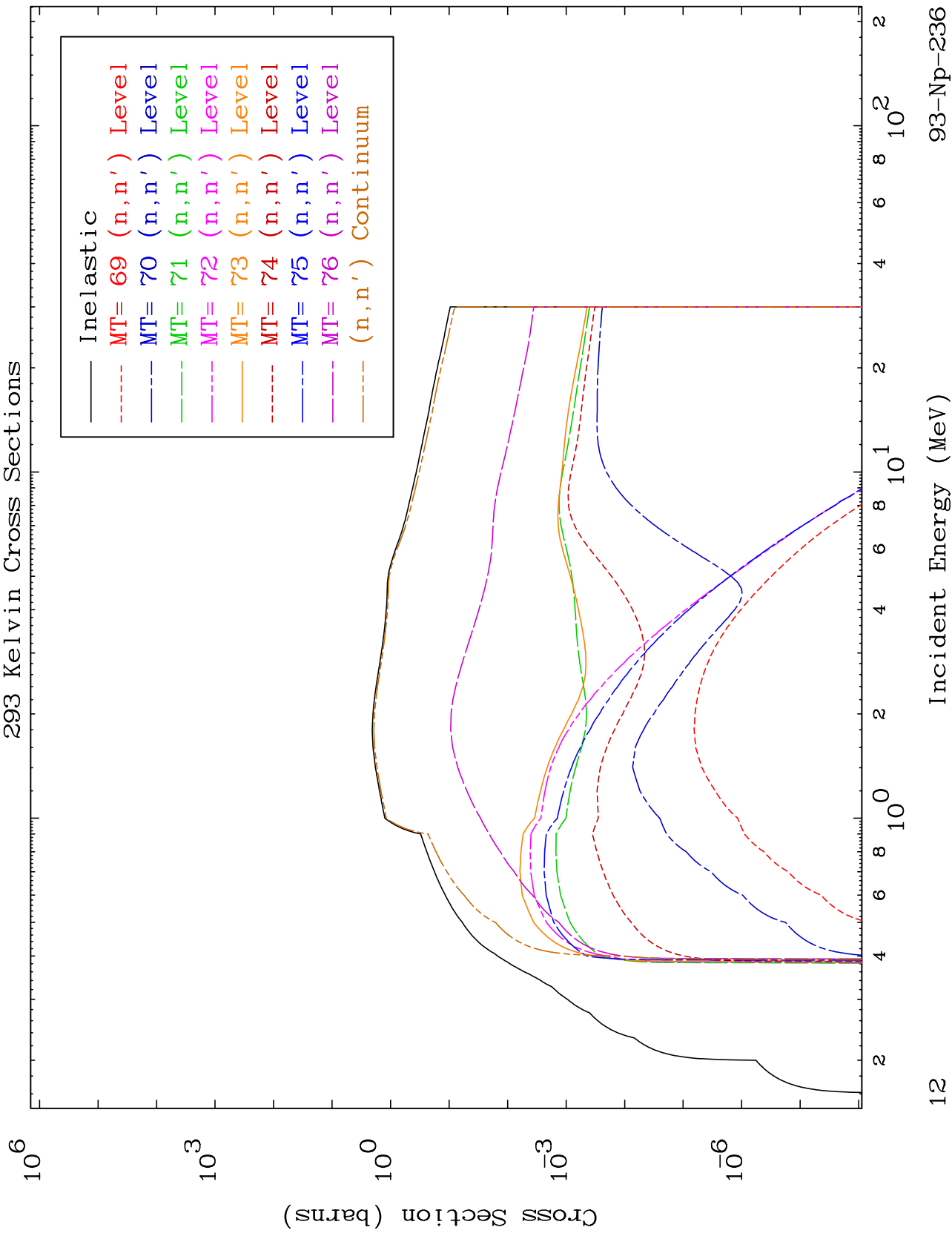
93-Np-236



MAT 9343

93-Np-236

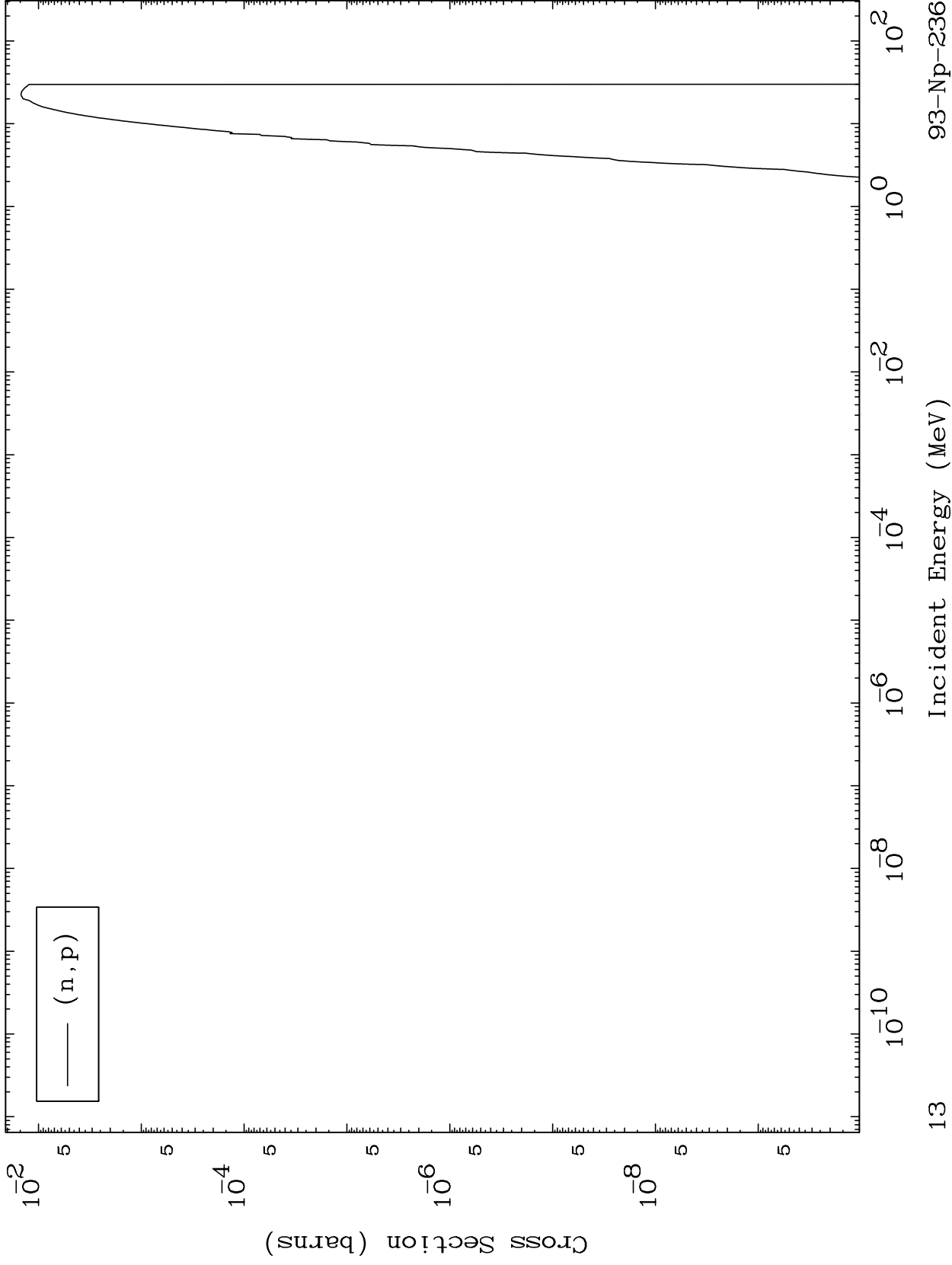
(n,n') Levels  
293 Kelvin Cross Sections



MAT 9343

(n,p) Levels  
293 Kelvin Cross Sections

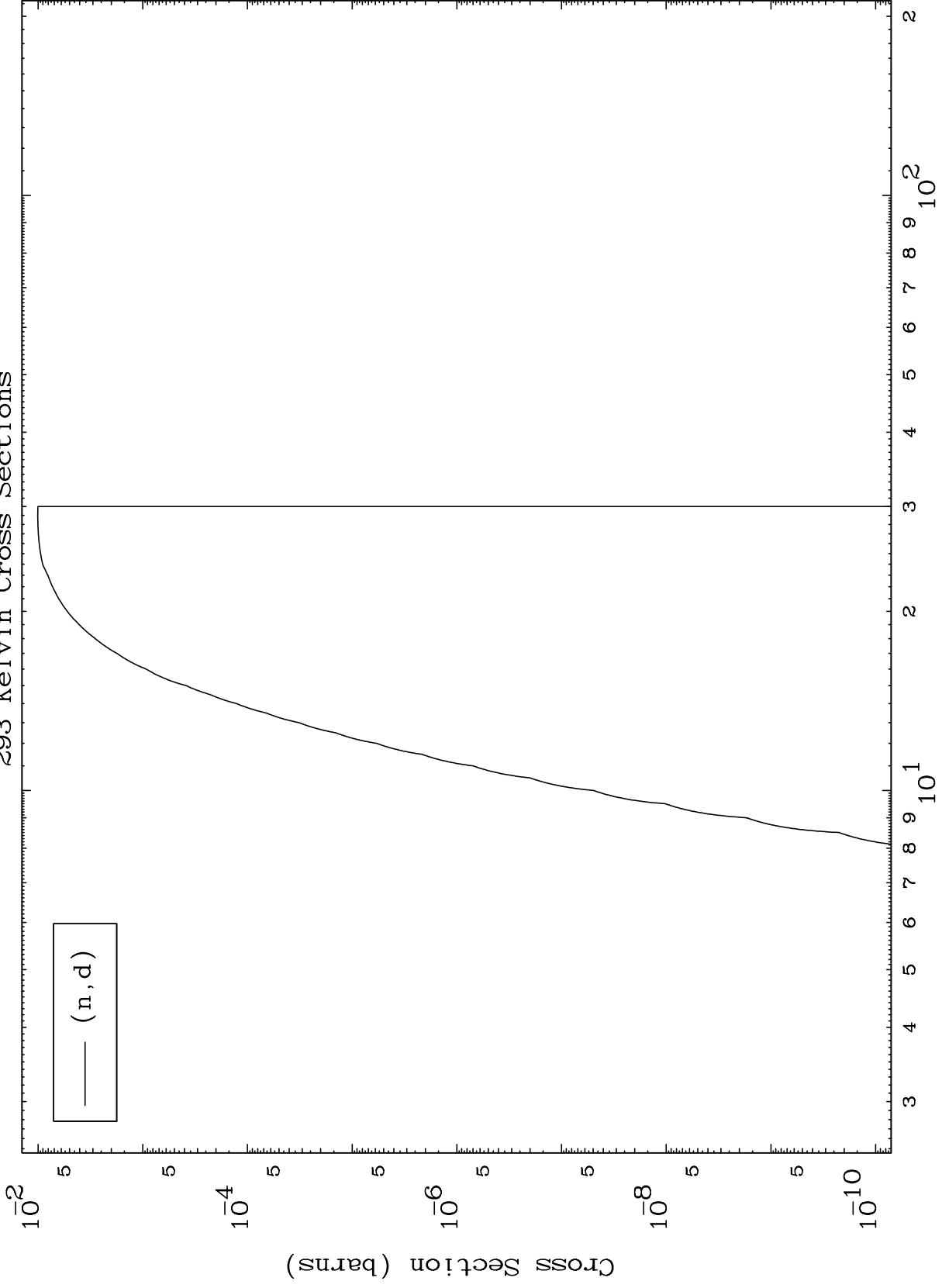
93-Np-236



MAT 9343

(n,d) Levels  
293 Kelvin Cross Sections

93-Np-236



14

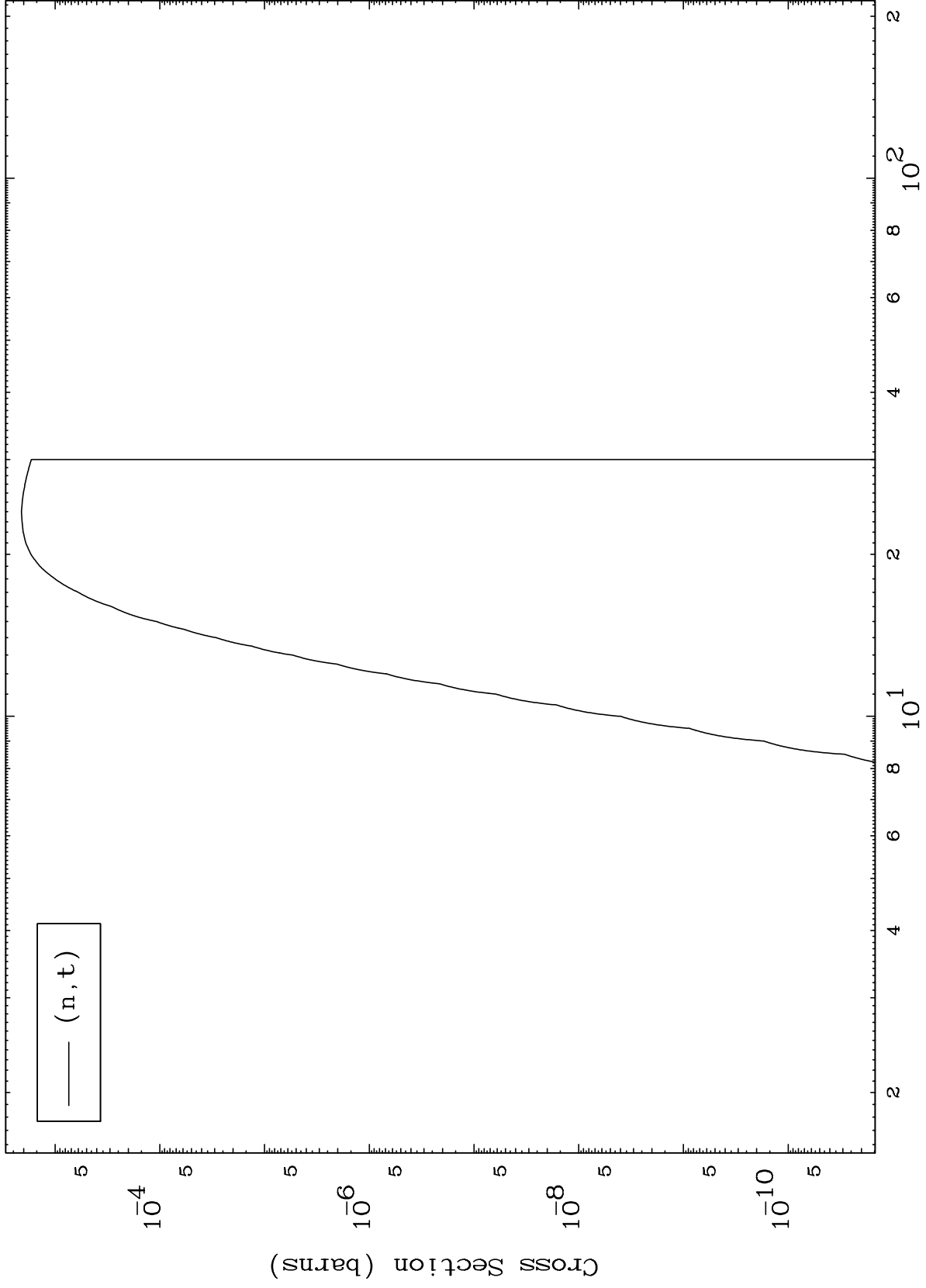
Incident Energy (MeV)

93-Np-236

MAT 9343

(n,t) Levels  
293 Kelvin Cross Sections

93-Np-236



15

Incident Energy (MeV)

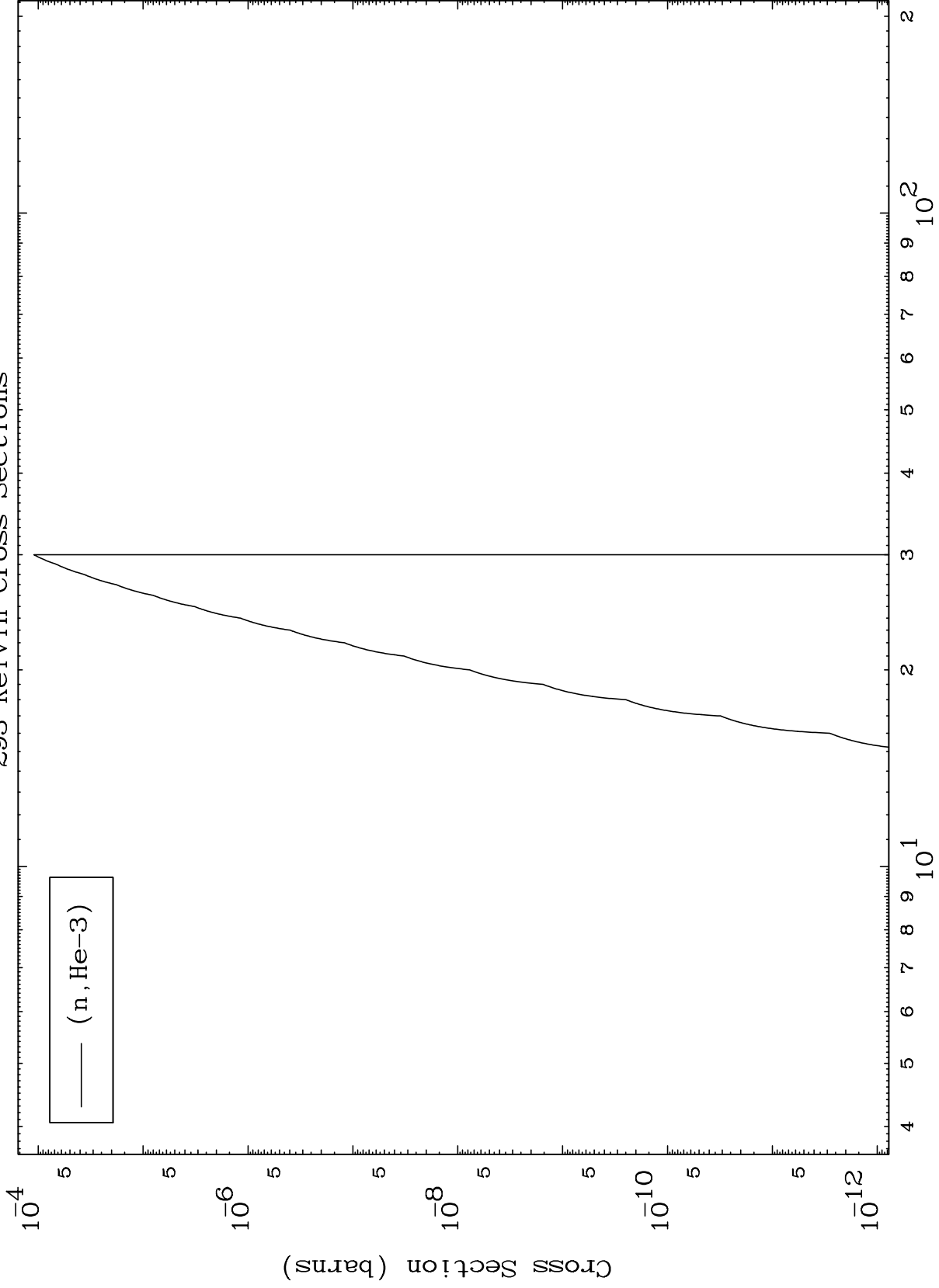
93-Np-236



MAT 9343

(n,He3) Levels  
293 Kelvin Cross Sections

93-Np-236



16

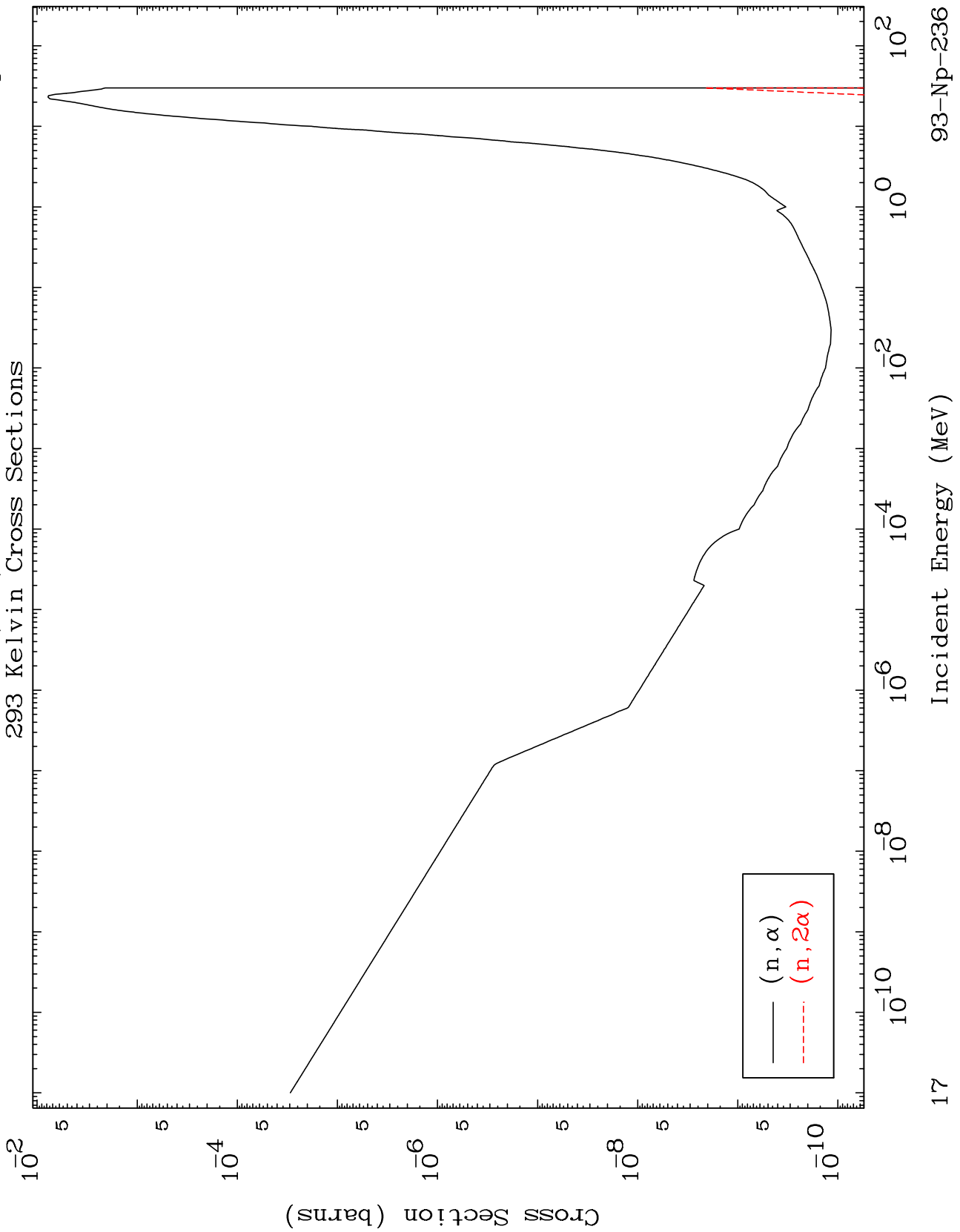
Incident Energy (MeV)

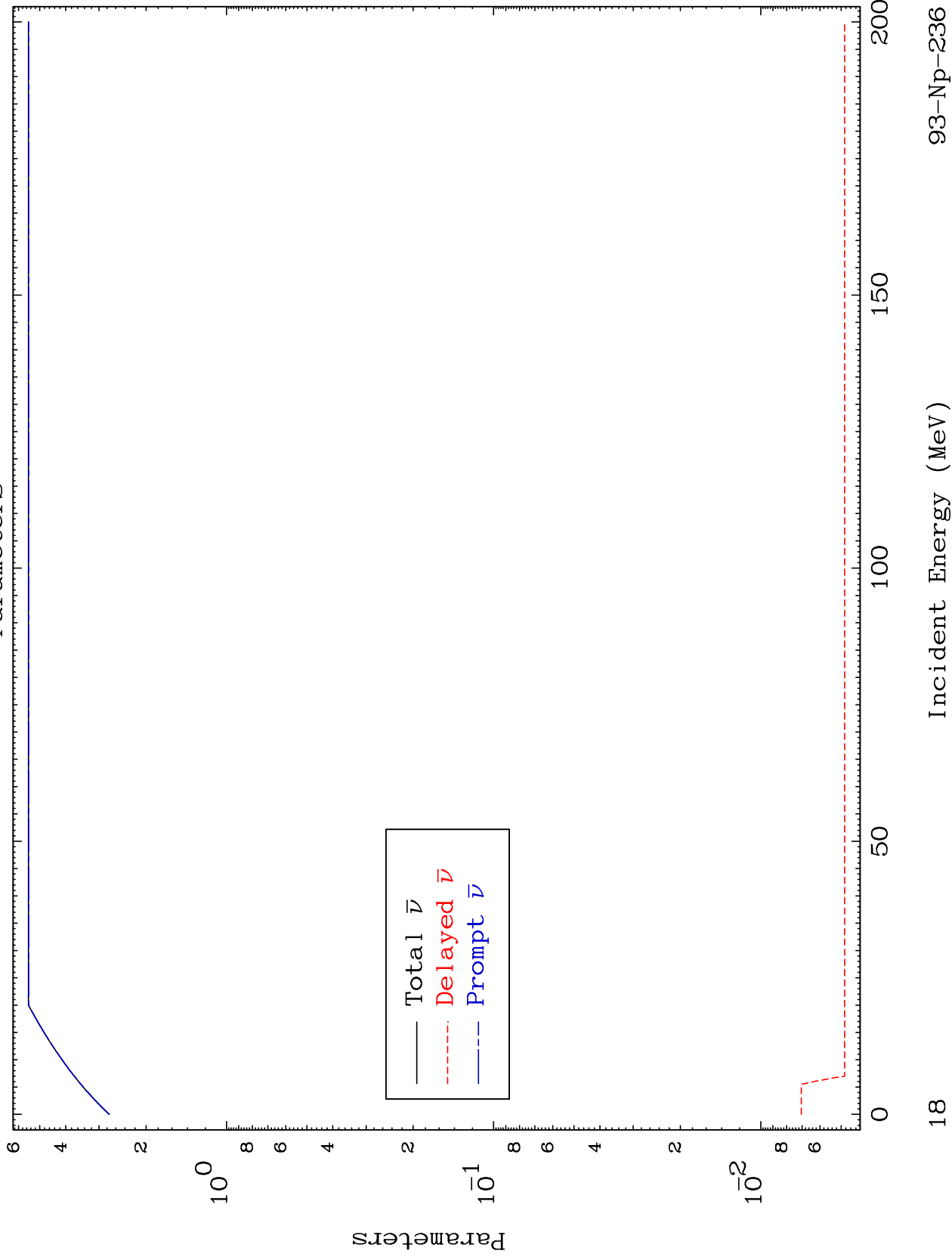
93-Np-236

MAT 9343

(n,α) Levels  
293 Kelvin Cross Sections

93-Np-236

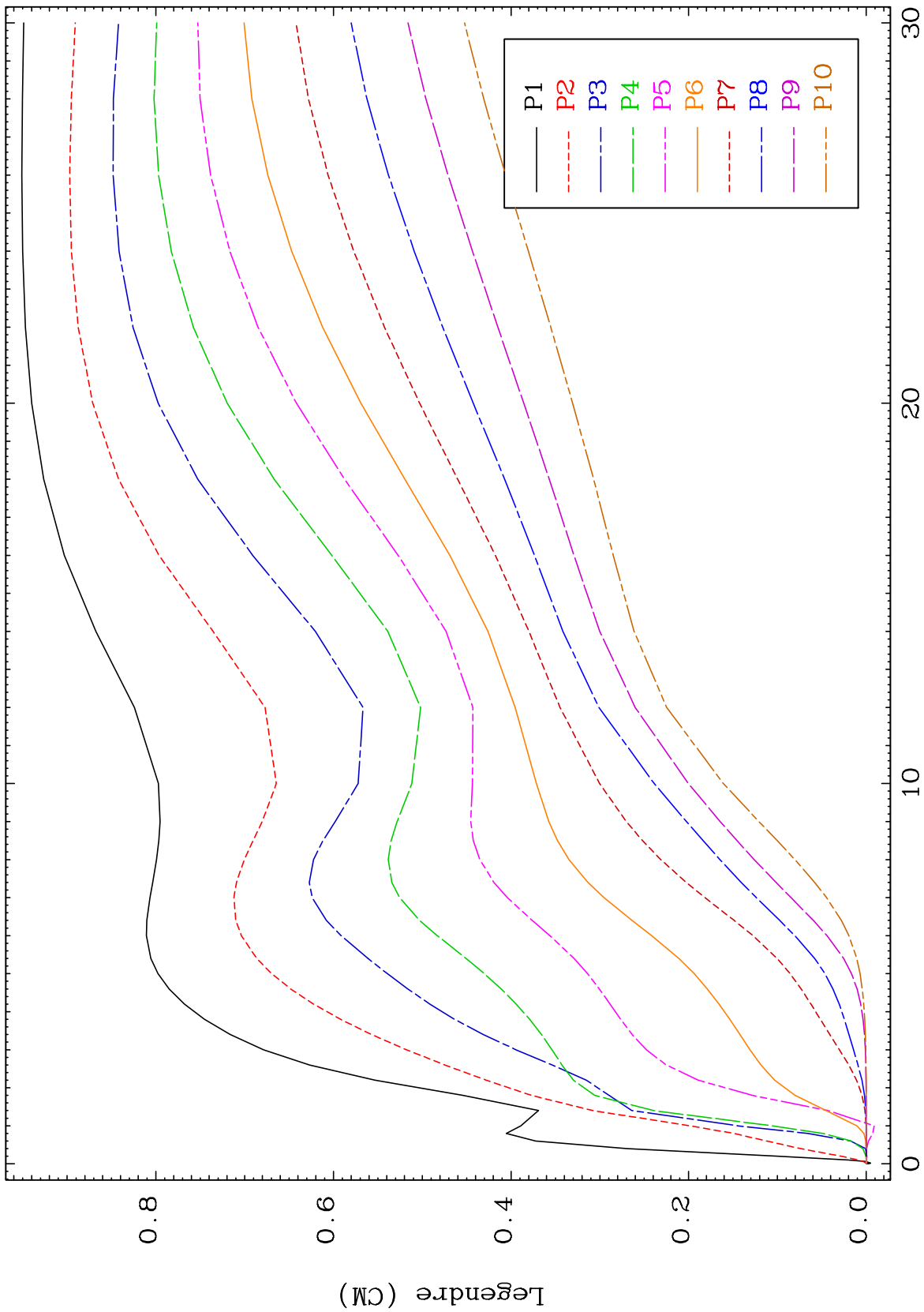




MAT 9343

93-Np-236

Elastic Legendre Coefficients



93-Np-236

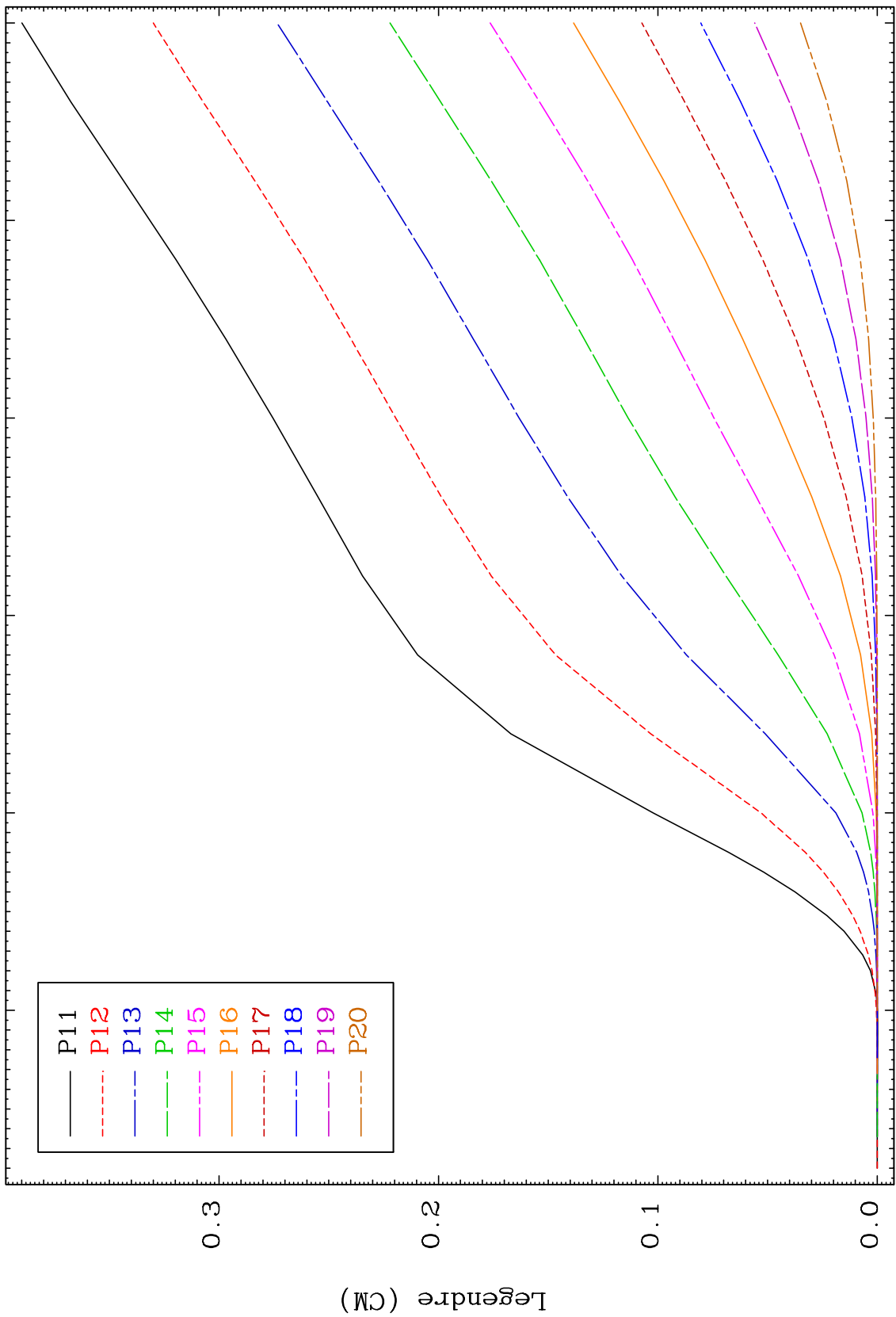
Incident Energy (MeV)

19

MAT 9343

Elastic Legendre Coefficients

<sup>93</sup>Np-236



20

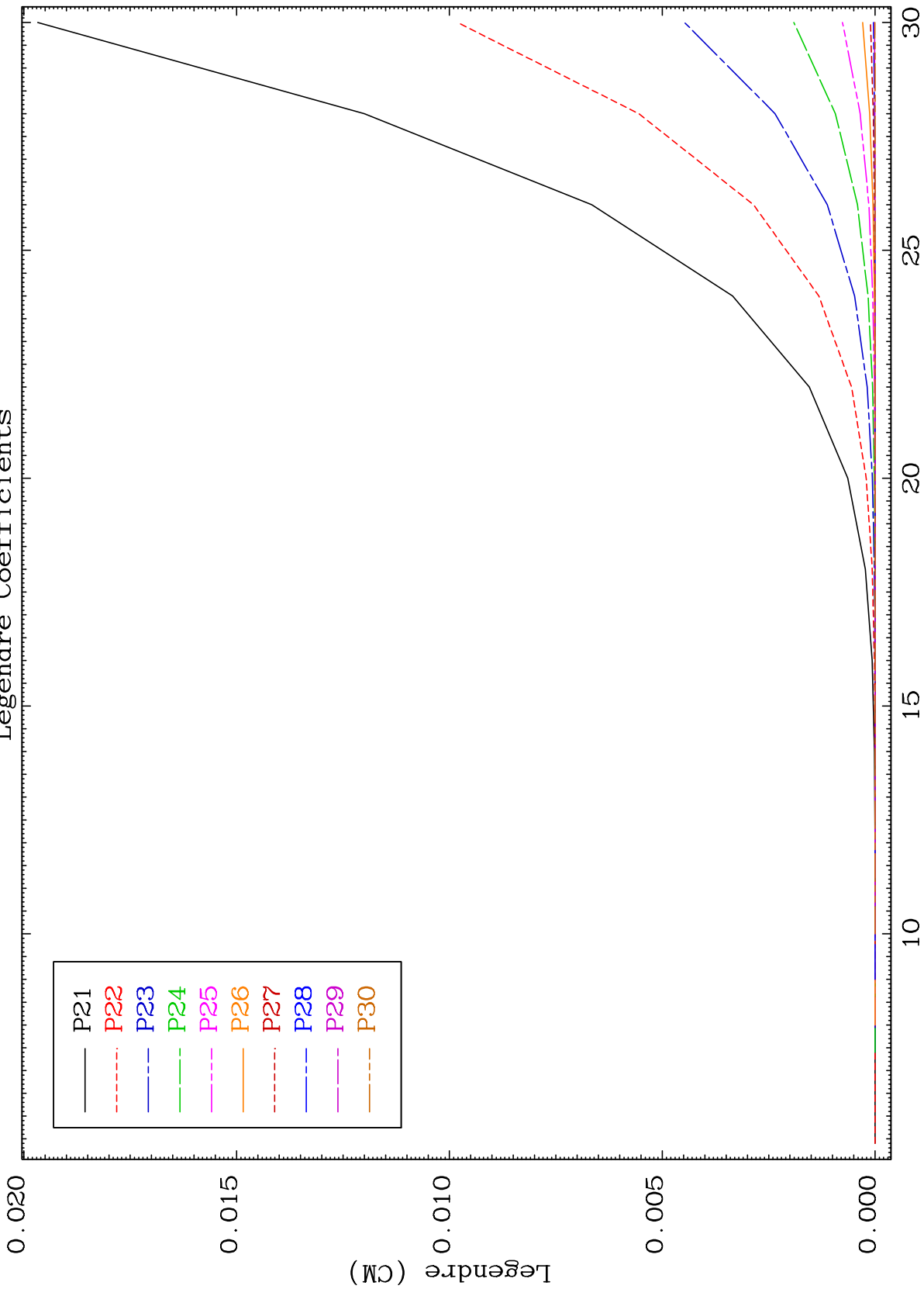
Incident Energy (MeV)

<sup>93</sup>Np-236

MAT 9343

Elastic Legendre Coefficients

93-Np-236



21

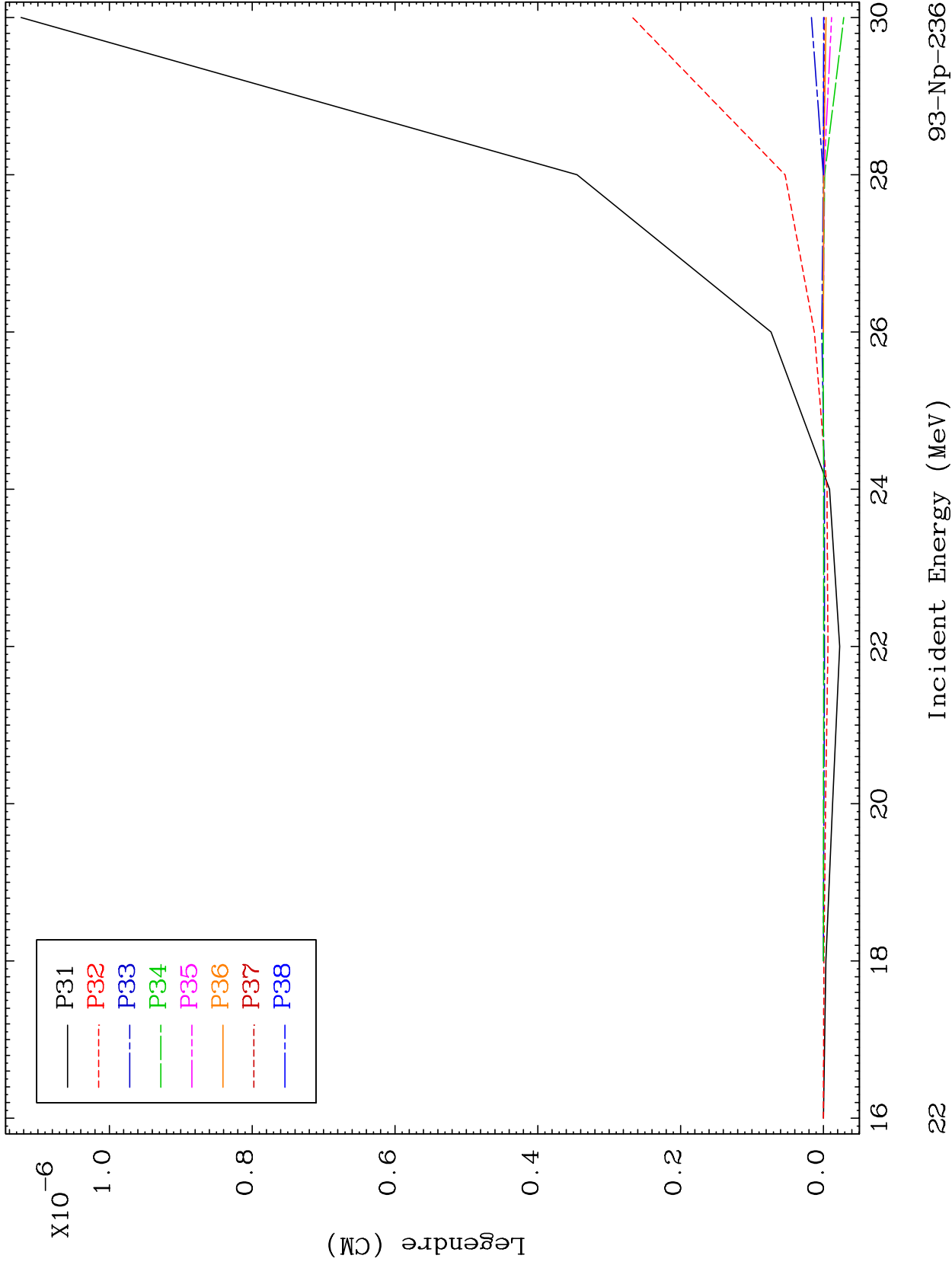
Incident Energy (MeV)

93-Np-236

MAT 9343

Elastic Legendre Coefficients

93-Np-236



93-Np-236

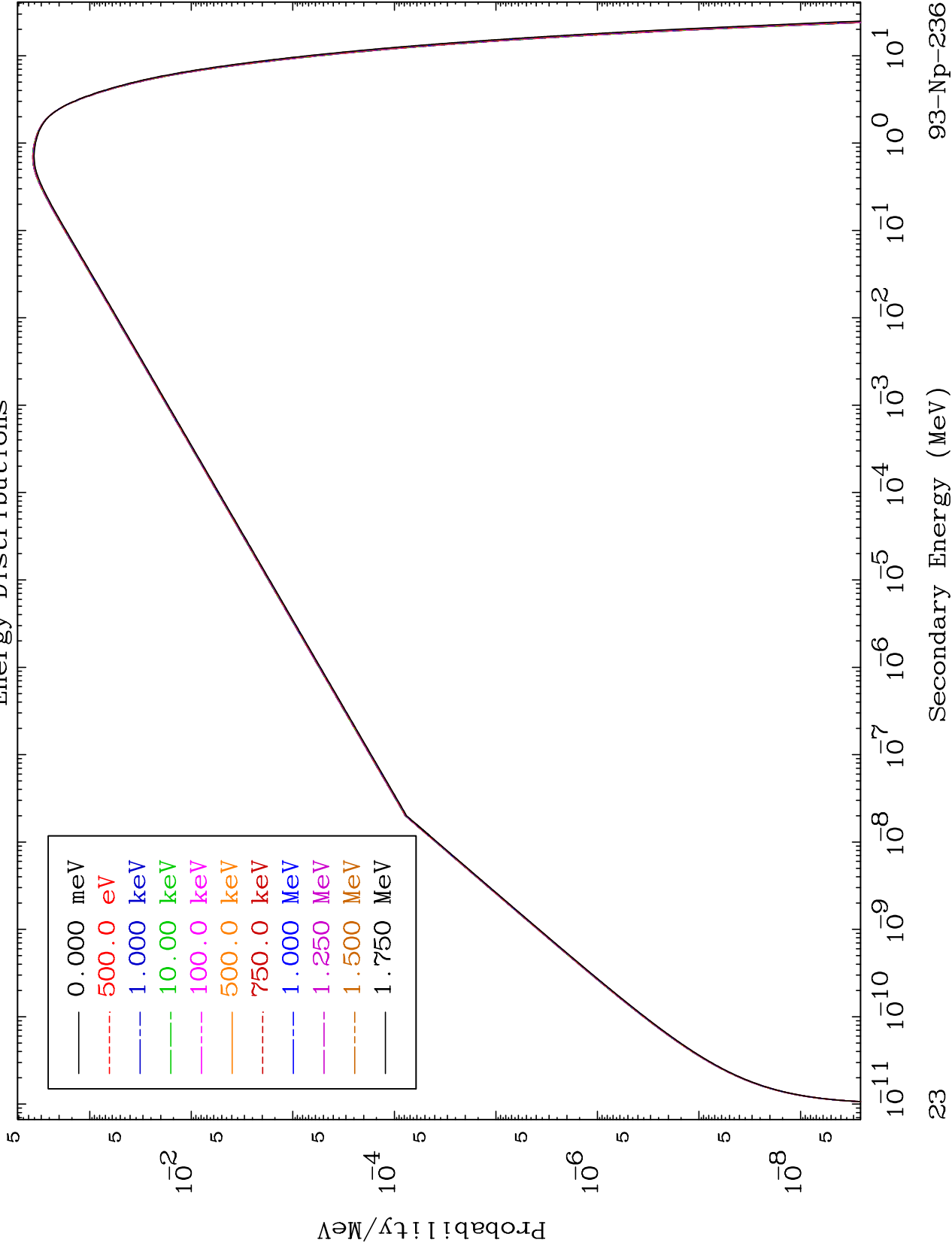
Incident Energy (MeV)

22

MAT 9343

### Fission Energy Distributions

<sup>93</sup>Np-236



<sup>93</sup>Np-236

Secondary Energy (MeV)

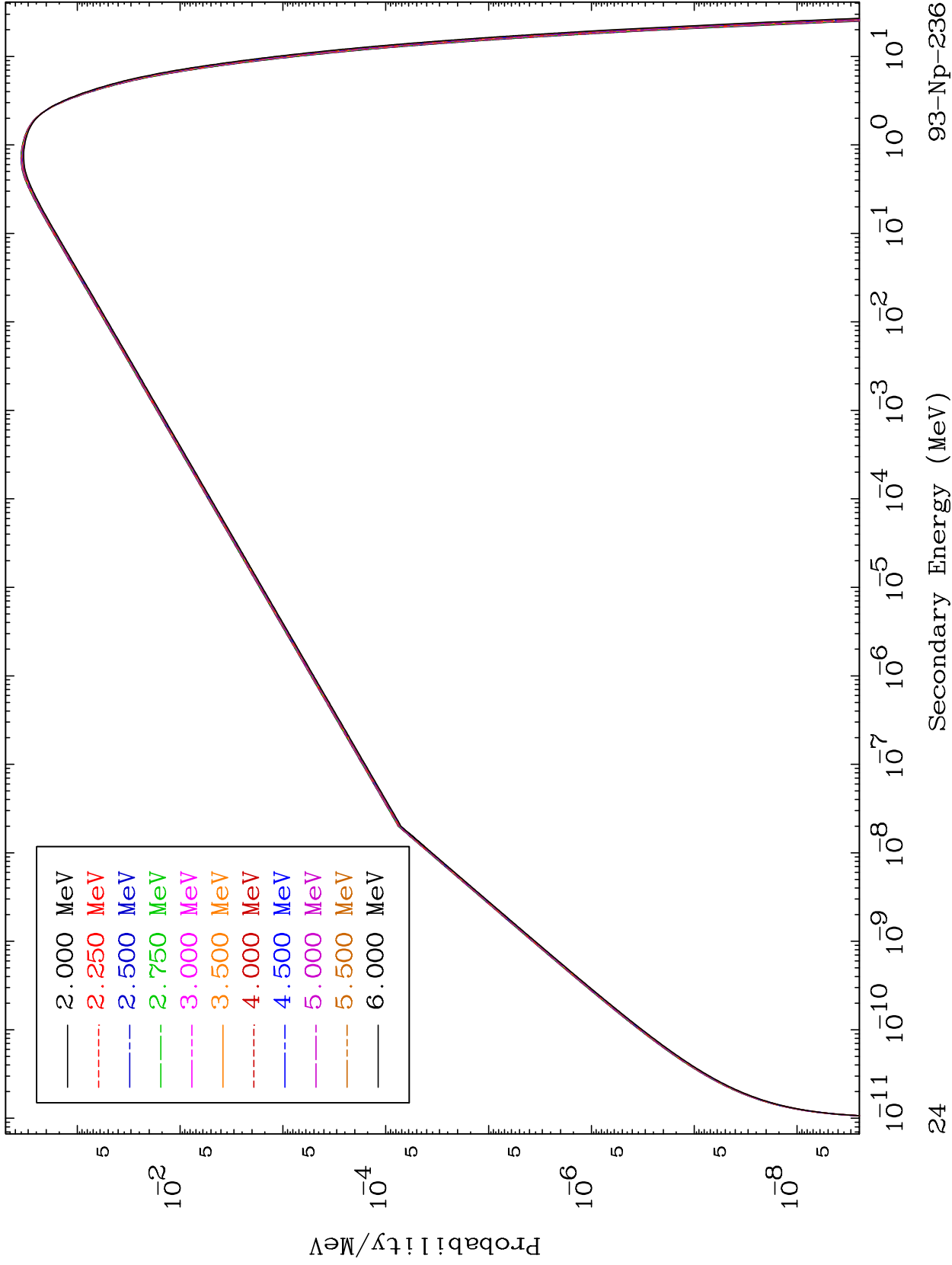
23



MAT 9343

### Fission Energy Distributions

93-Np-236



93-Np-236

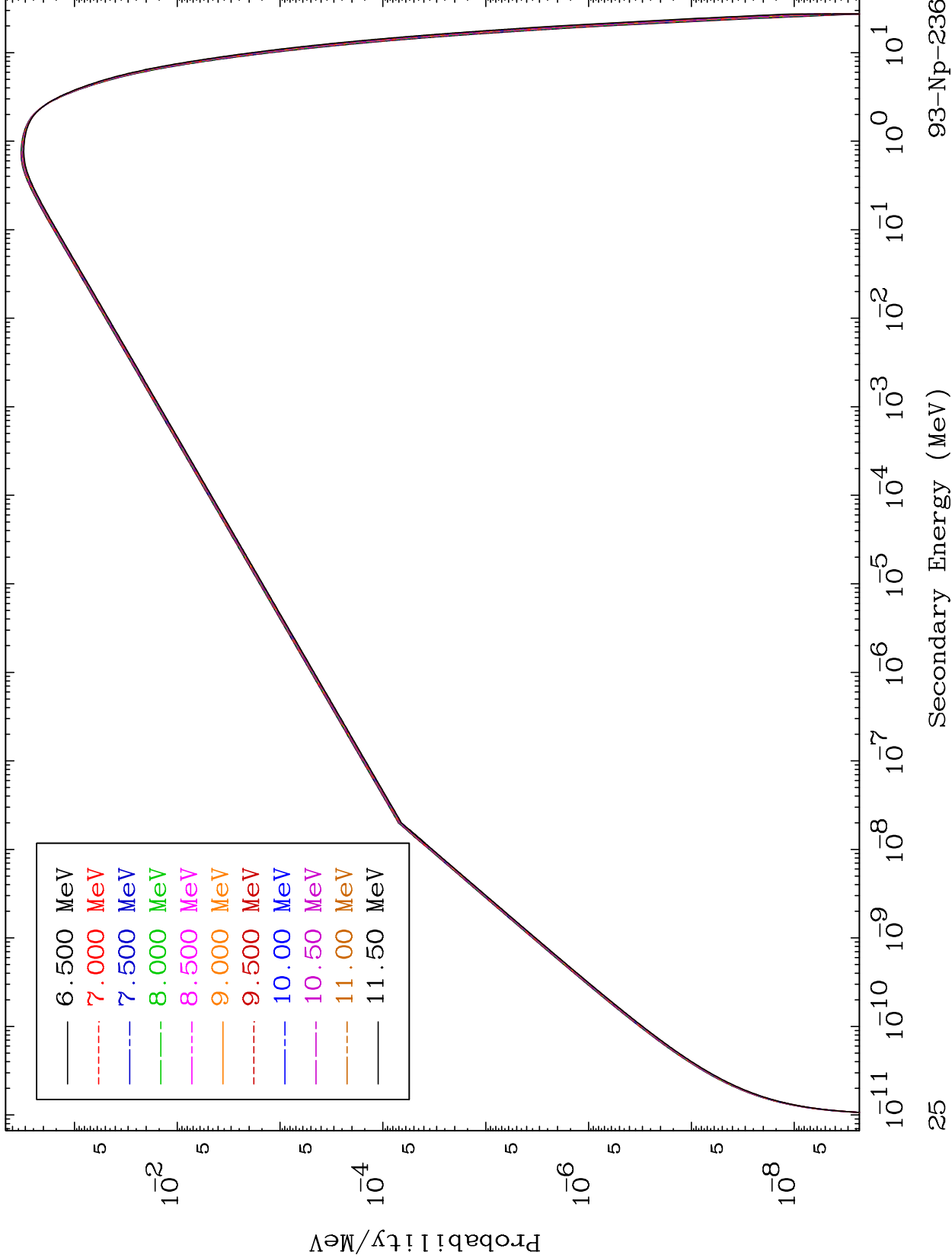
Secondary Energy (MeV)

24

MAT 9343

### Fission Energy Distributions

93-Np-236



93-Np-236

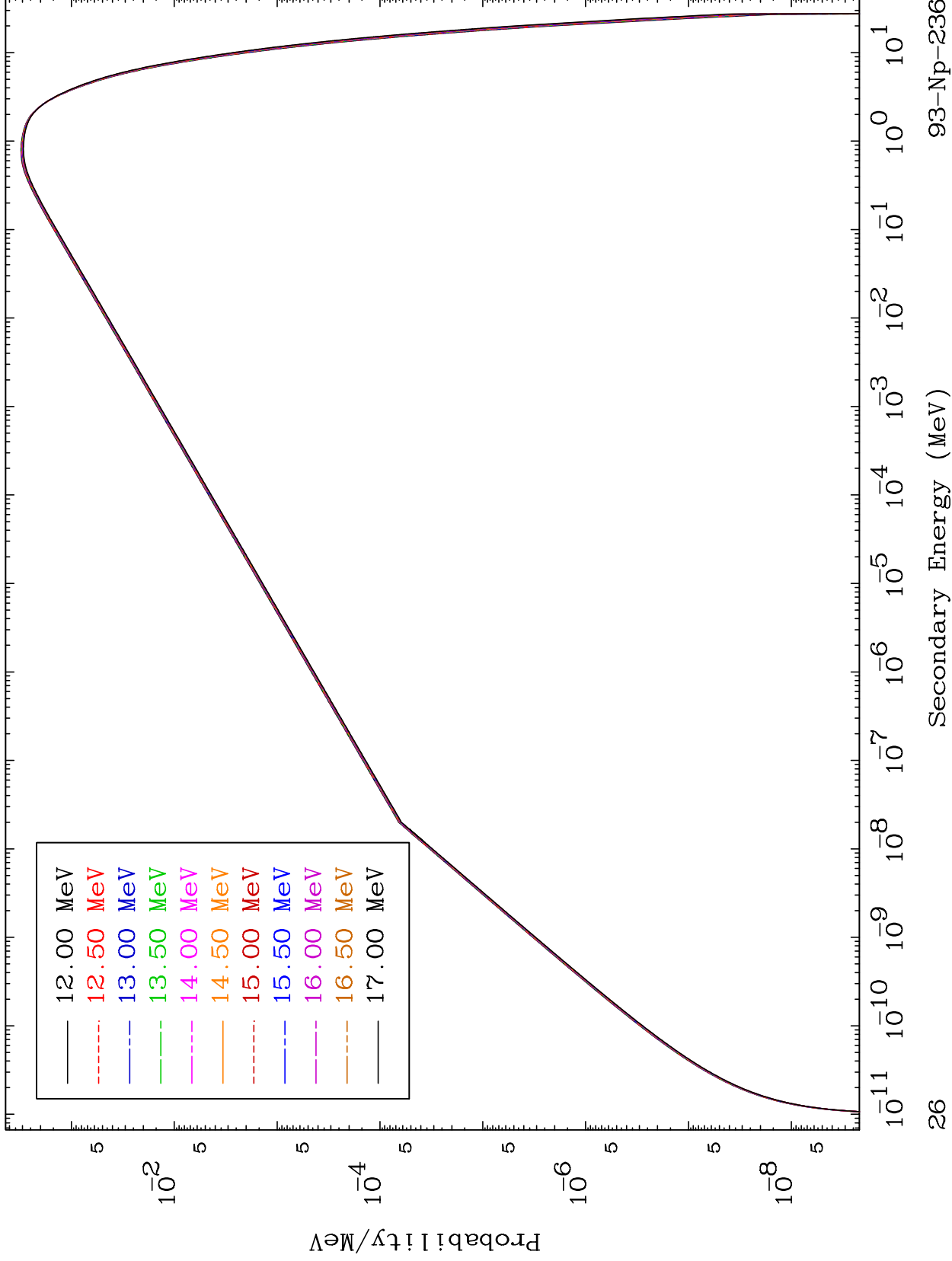
Secondary Energy (MeV)

25

MAT 9343

### Fission Energy Distributions

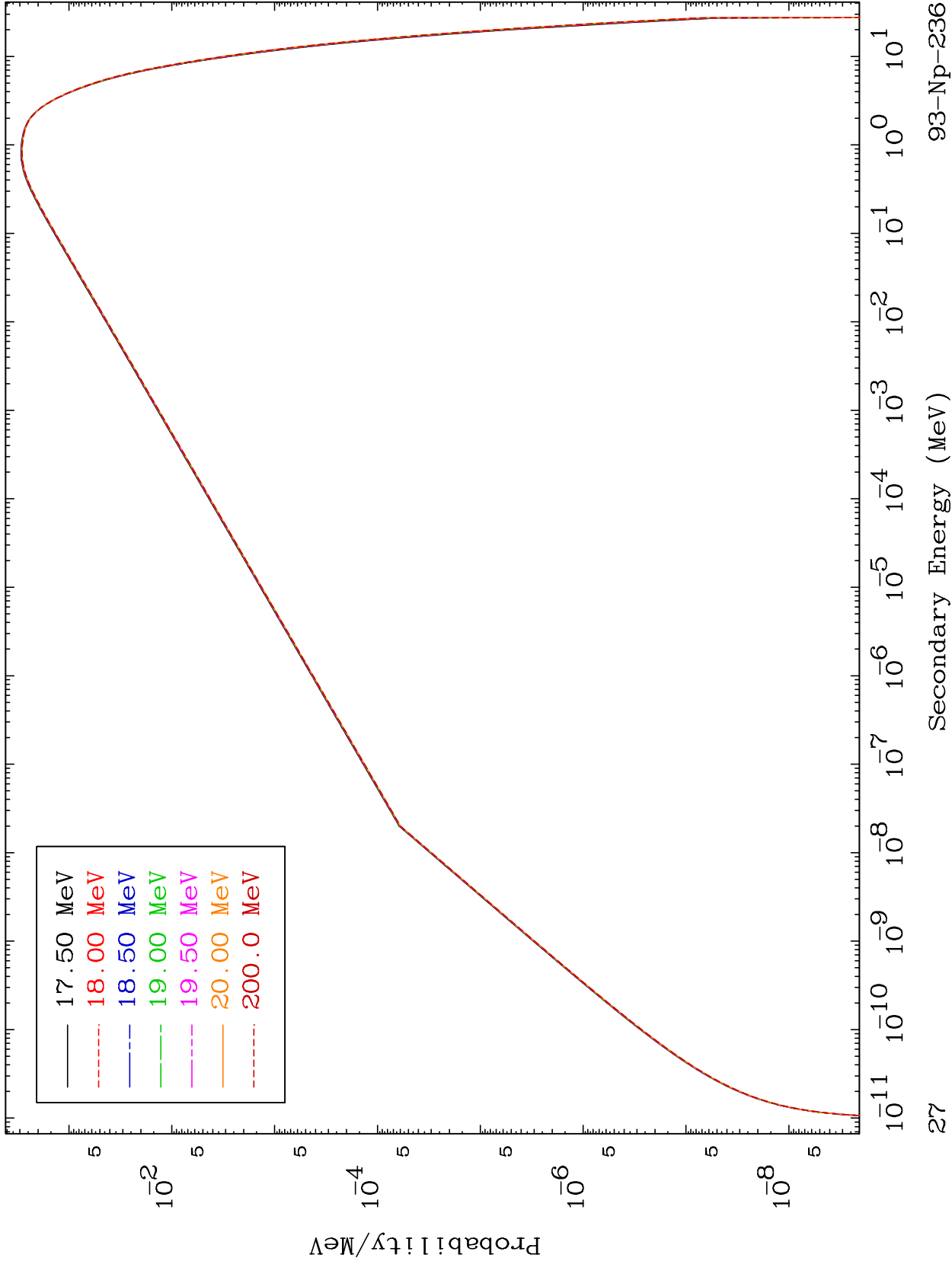
93-Np-236



MAT 9343

### Fission Energy Distributions

93-Np-236



93-Np-236

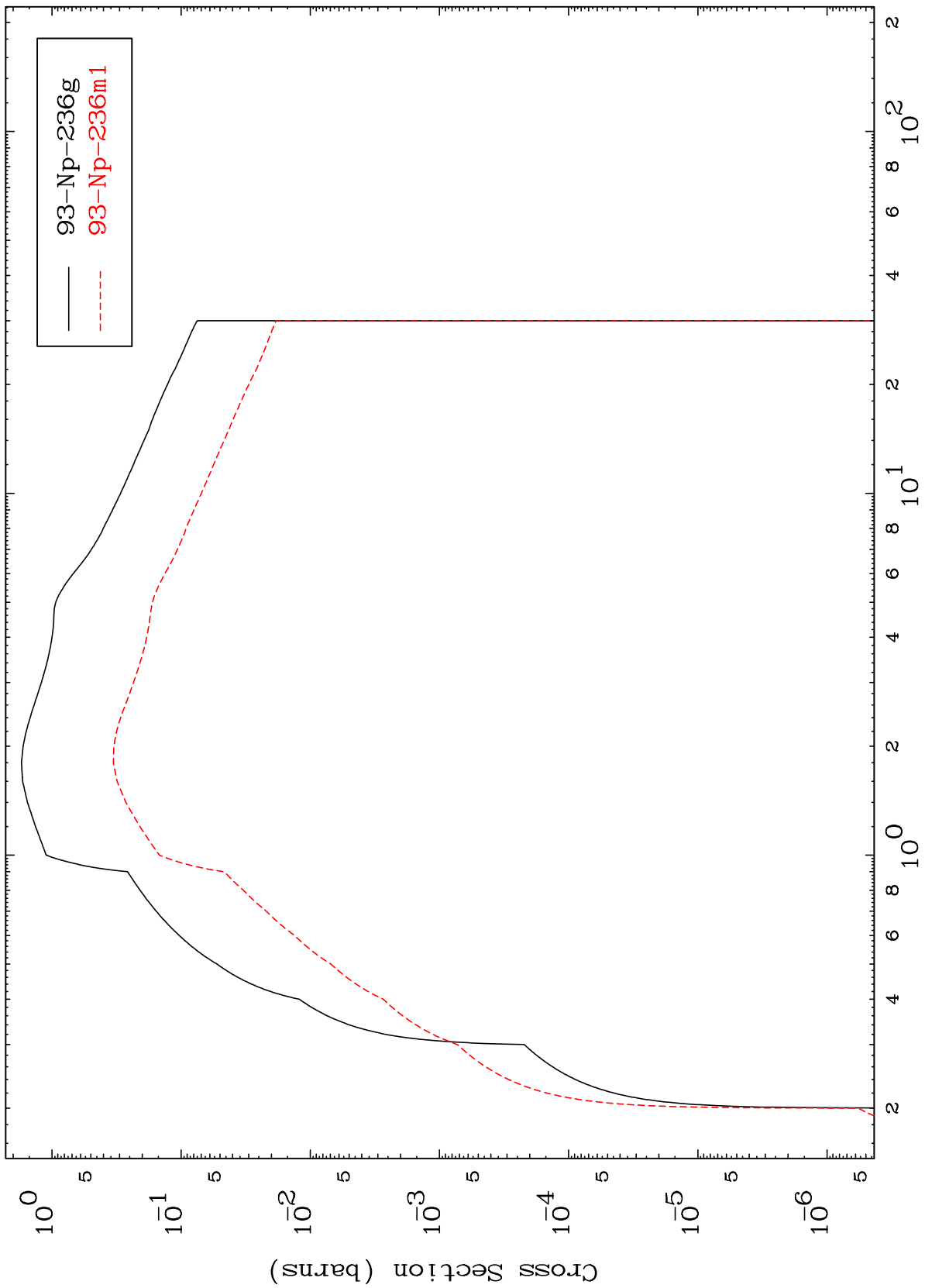
Secondary Energy (MeV)

27

MAT 9343

93-Np-236

Inelastic  
Radionuclide Production Cross Section



28

Incident Energy (MeV)

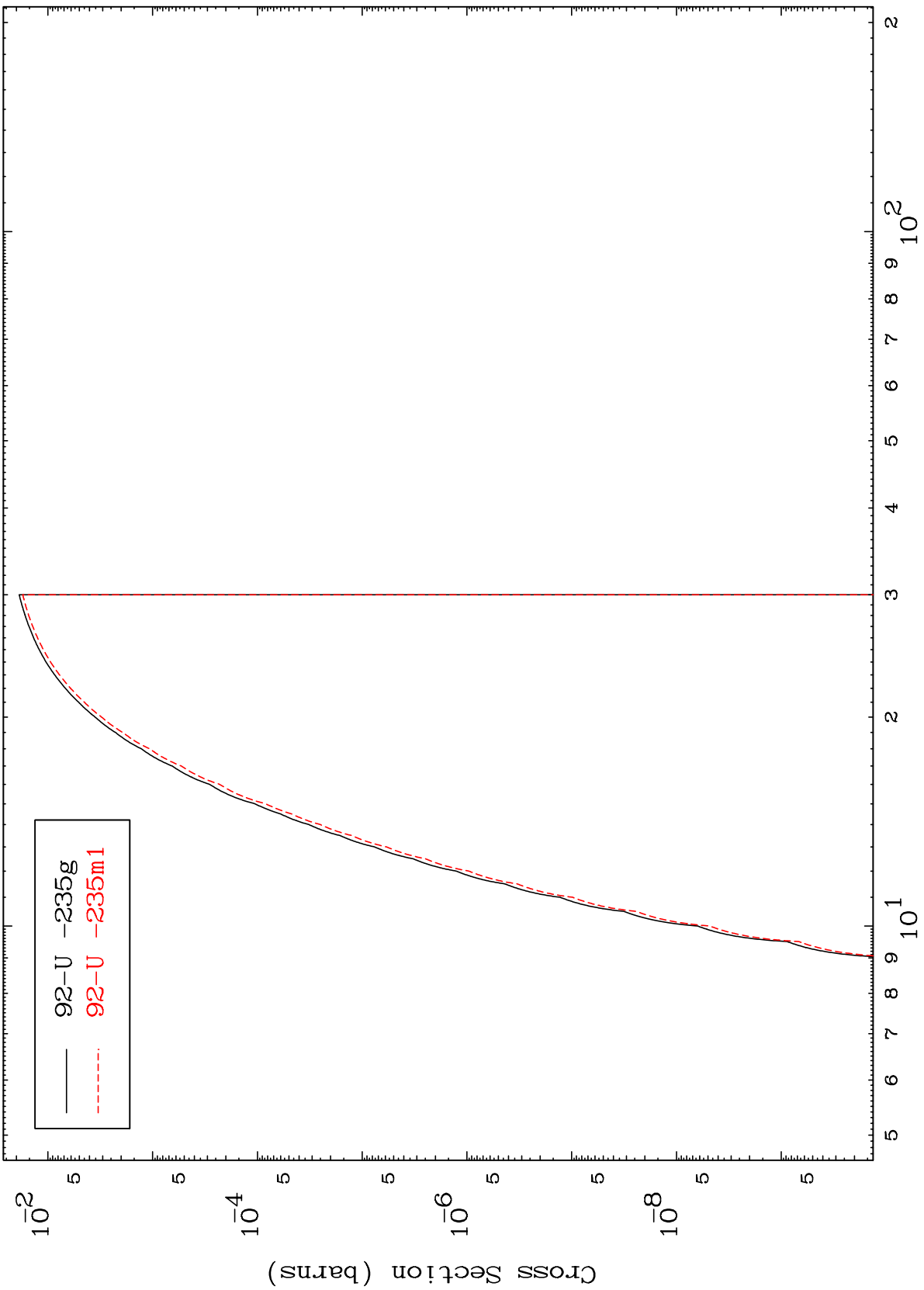
93-Np-236

MAT 9343

(n,n') p

93-Np-236

Radionuclide Production Cross Section



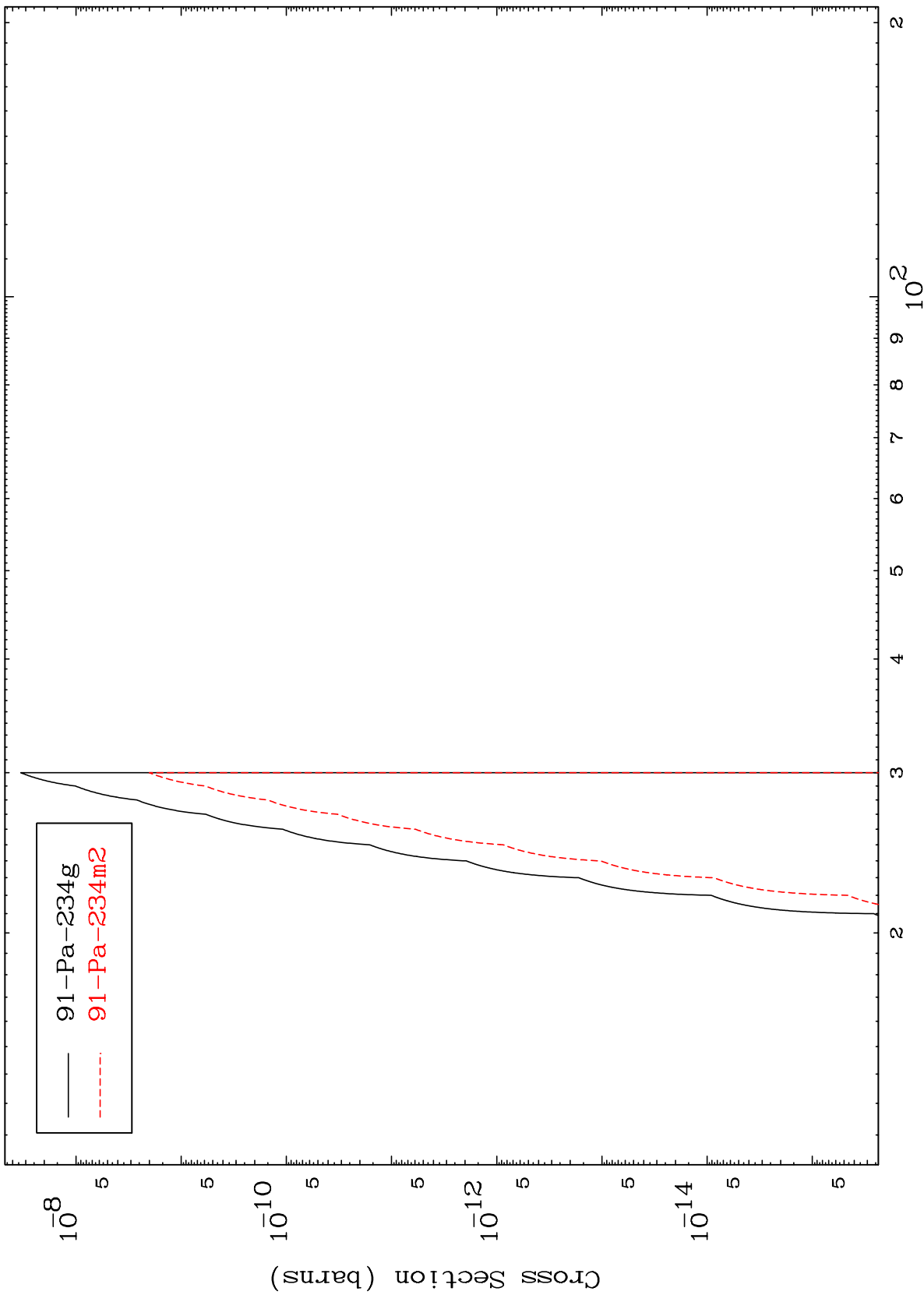
Legend:  
— 92-U -235g  
- - - 92-U -235m1

MAT 9343

(n,2n) p

93-Np-236

Radionuclide Production Cross Section



91-Pa-234g  
91-Pa-234m2

30

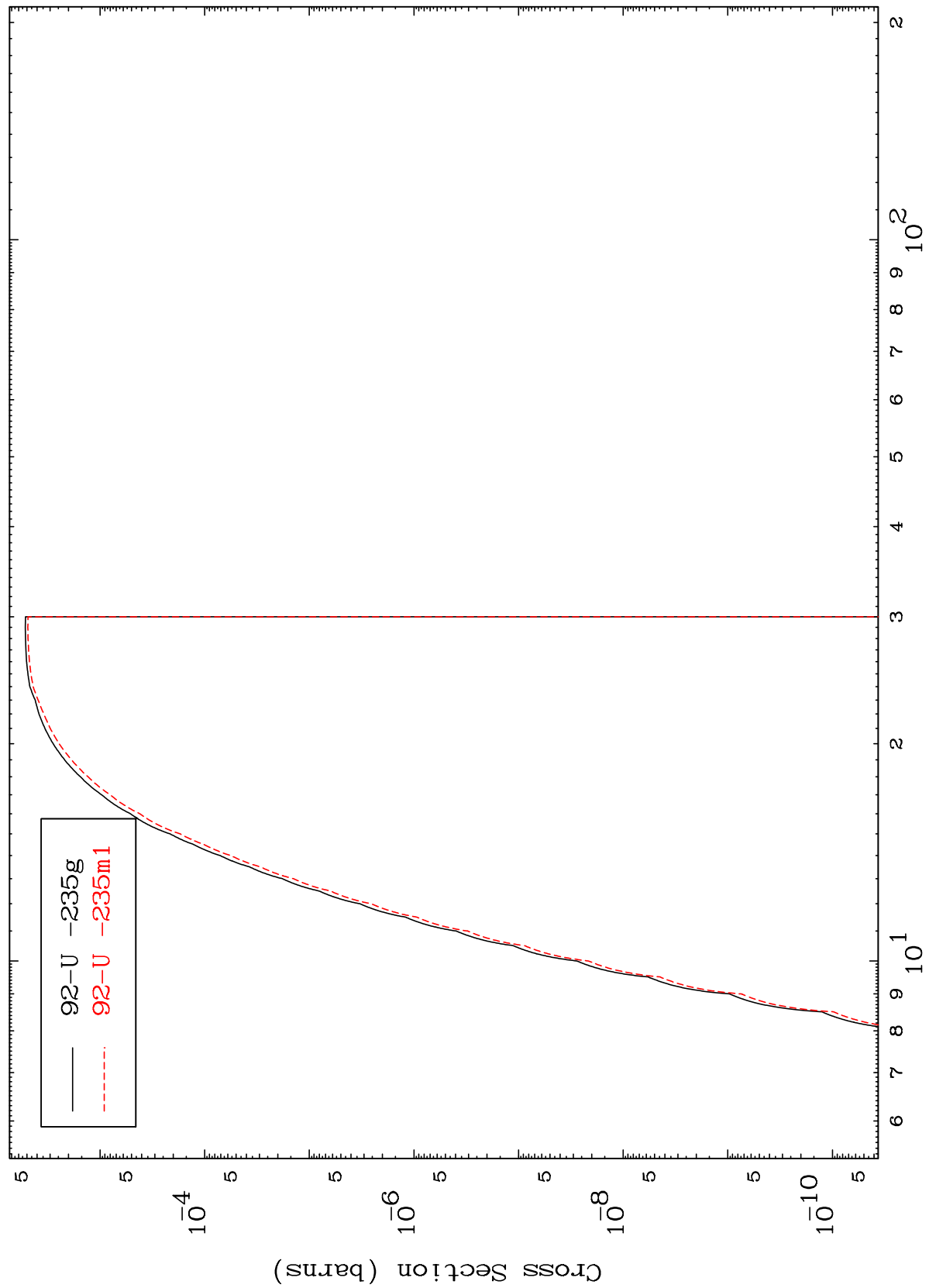
Incident Energy (MeV)

93-Np-236

MAT 9343

93-Np-236

(n,d)  
Radionuclide Production Cross Section



31

Incident Energy (MeV)

93-Np-236

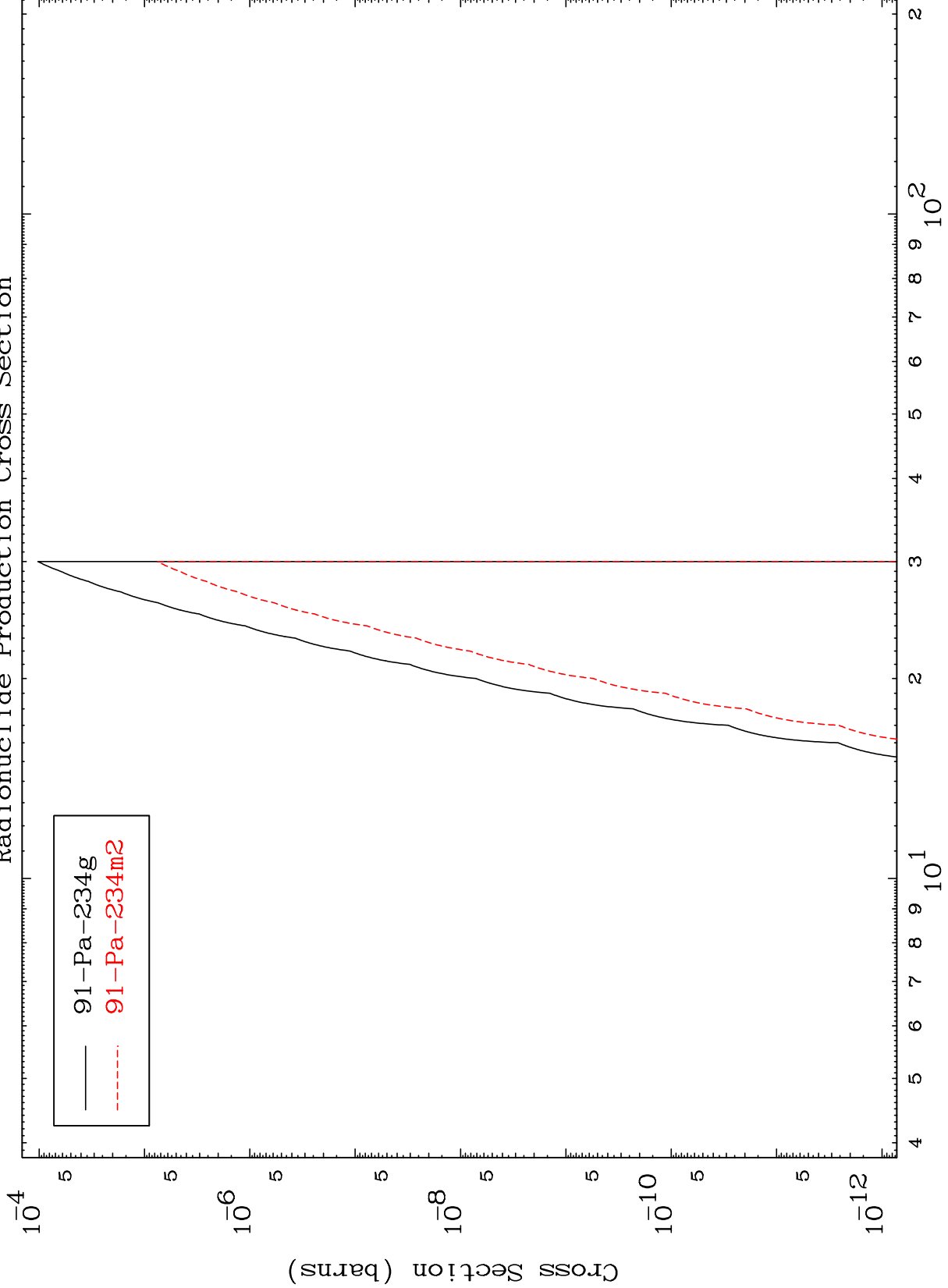


MAT 9343

(n,He-3)

93-Np-236

Radionuclide Production Cross Section



91-Pa-234g  
91-Pa-234m2

32

Incident Energy (MeV)

93-Np-236