

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

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

Tele: 925-443-1911

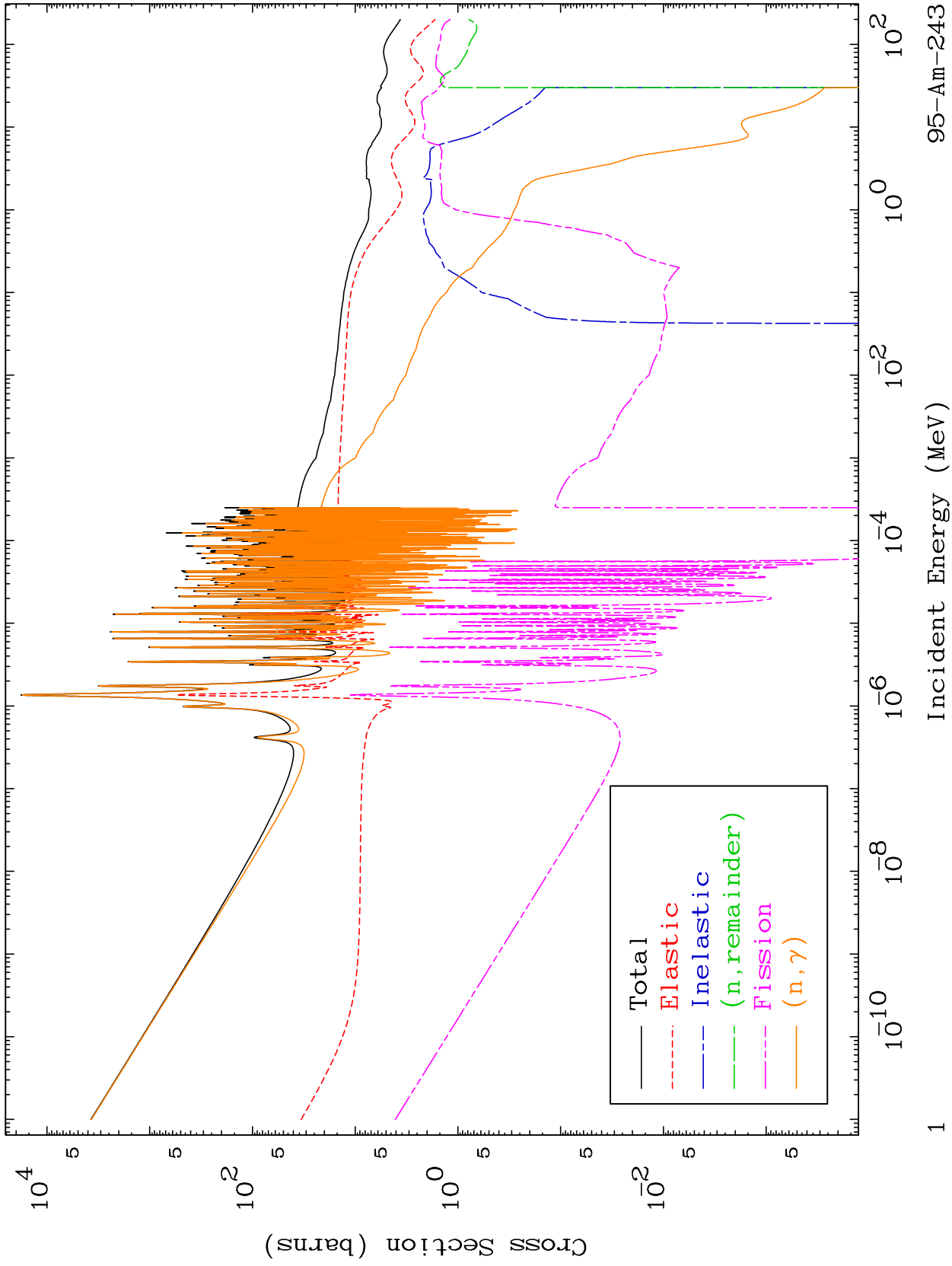
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9549

Major  
293 Kelvin Cross Sections

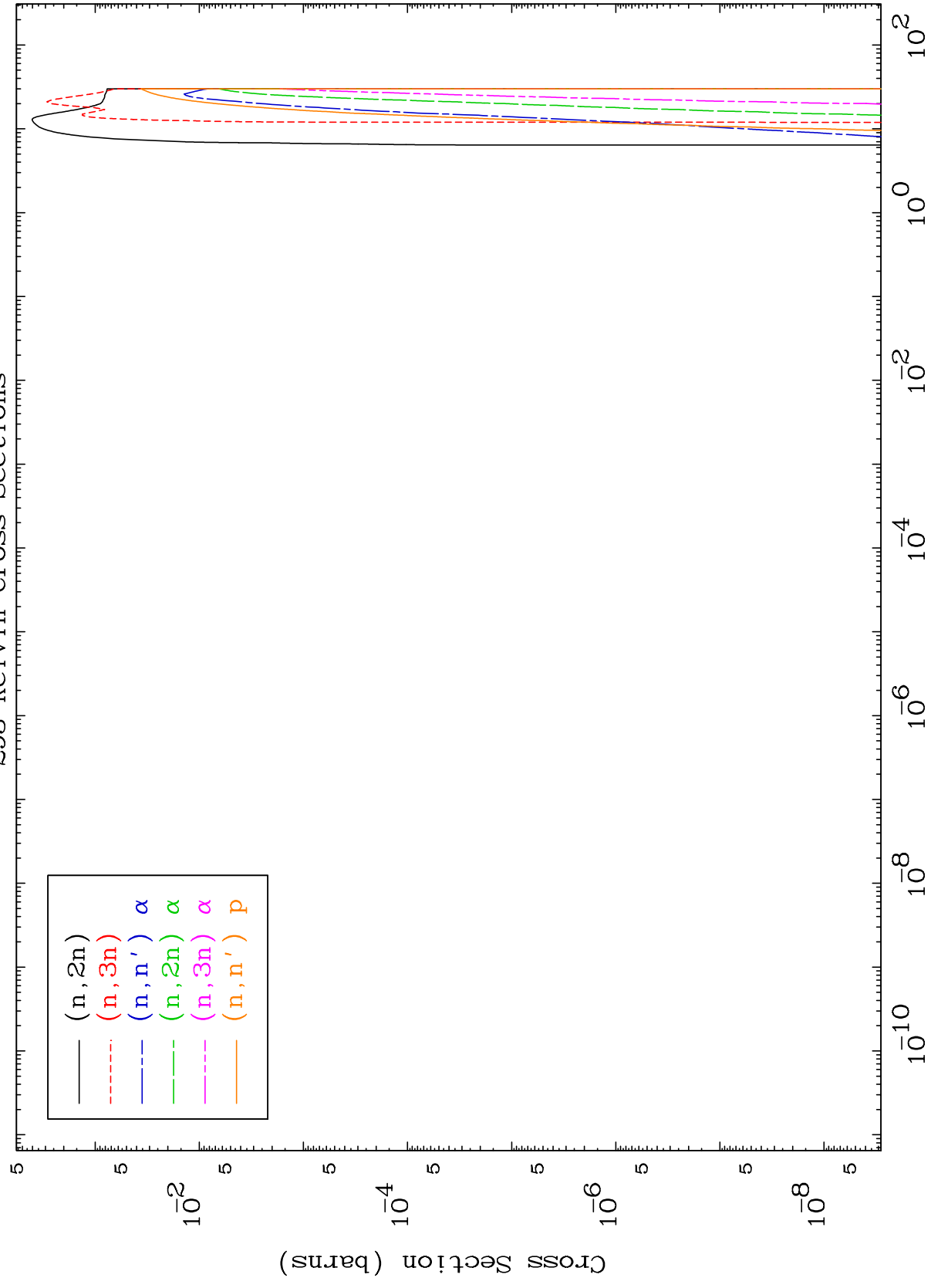
95-Am-243



MAT 9549

Neutron Production  
293 Kelvin Cross Sections

95-Am-243

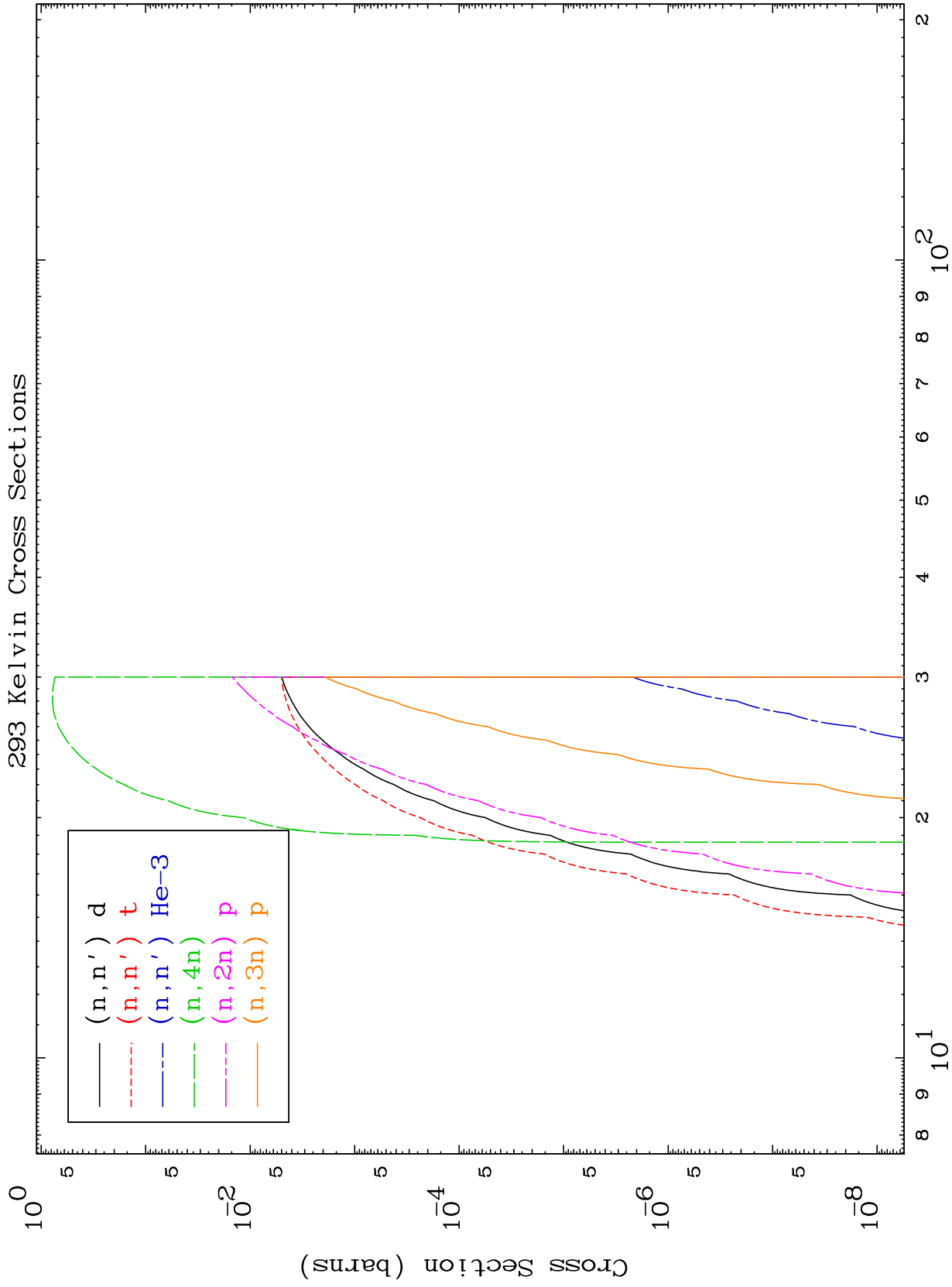


95-Am-243

MAT 9549

Neutron Production  
293 Kelvin Cross Sections

95-Am-243



3

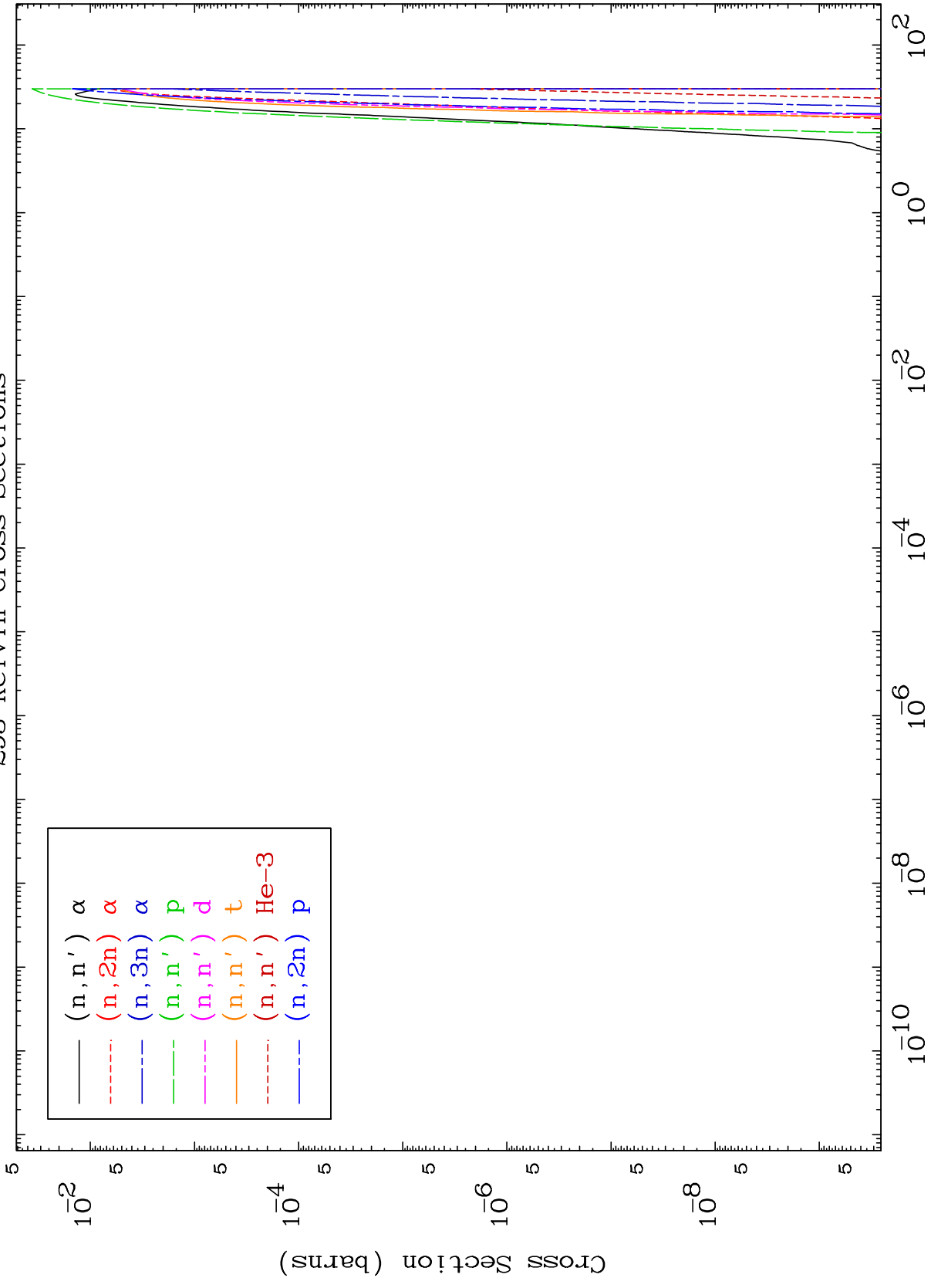
Incident Energy (MeV)

95-Am-243

MAT 9549

Charged Particle  
293 Kelvin Cross Sections

95-Am-243



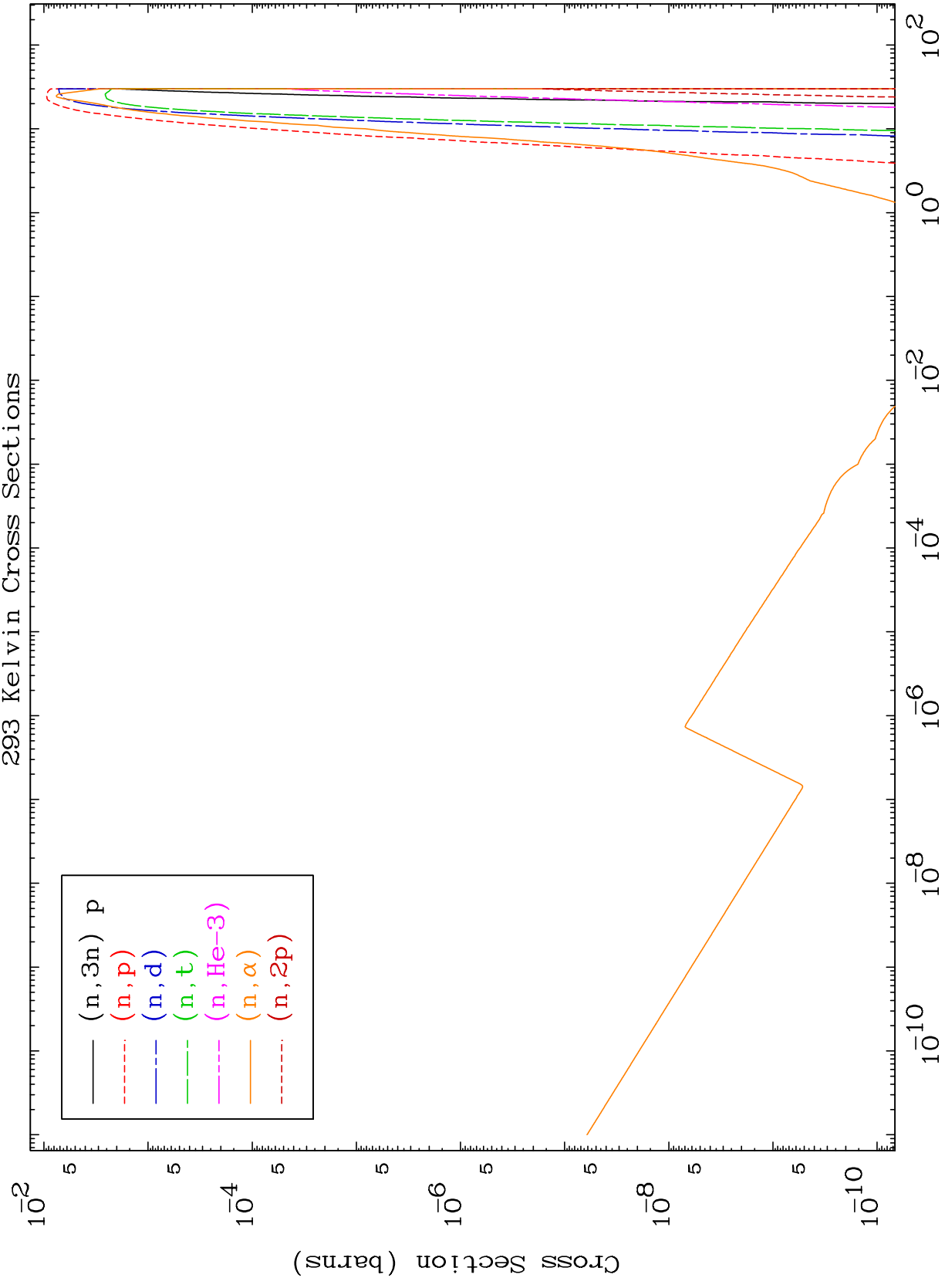
95-Am-243

Incident Energy (MeV)

MAT 9549

Charged Particle  
293 Kelvin Cross Sections

95-Am-243



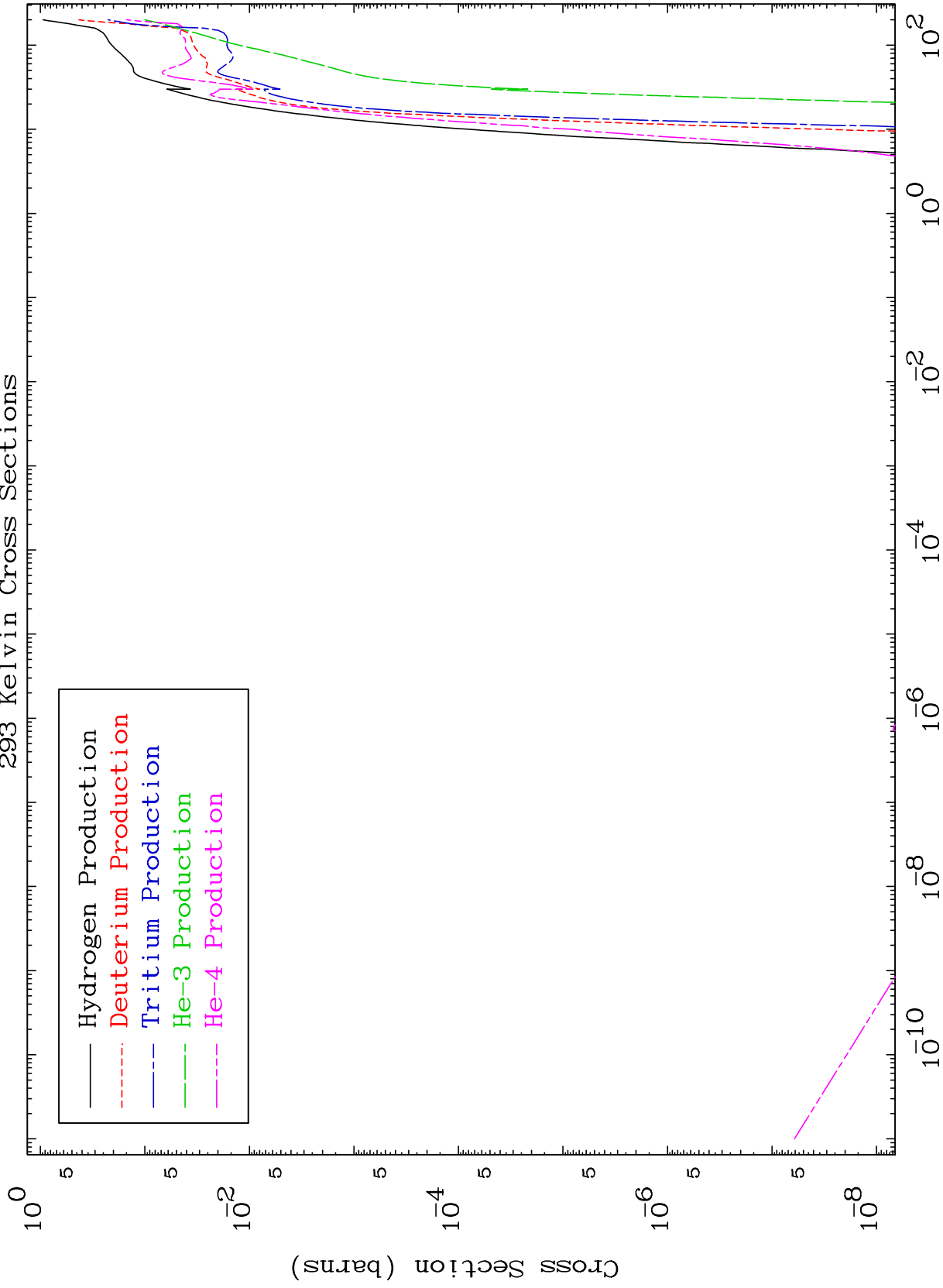
5

95-Am-243

MAT 9549

Particle Production  
293 Kelvin Cross Sections

95-Am-243



6

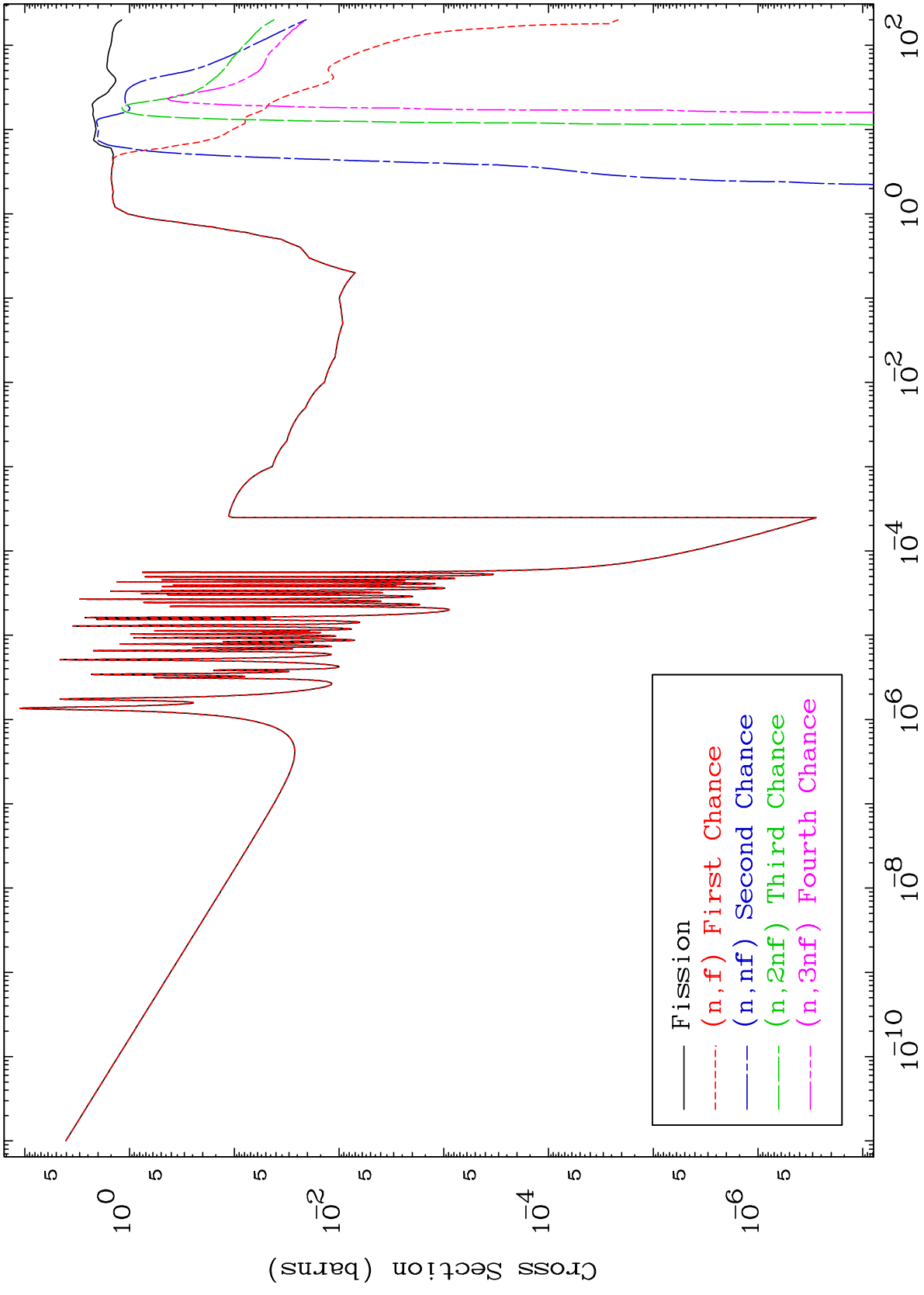
Incident Energy (MeV)

95-Am-243

MAT 9549

Fission  
293 Kelvin Cross Sections

95-Am-243

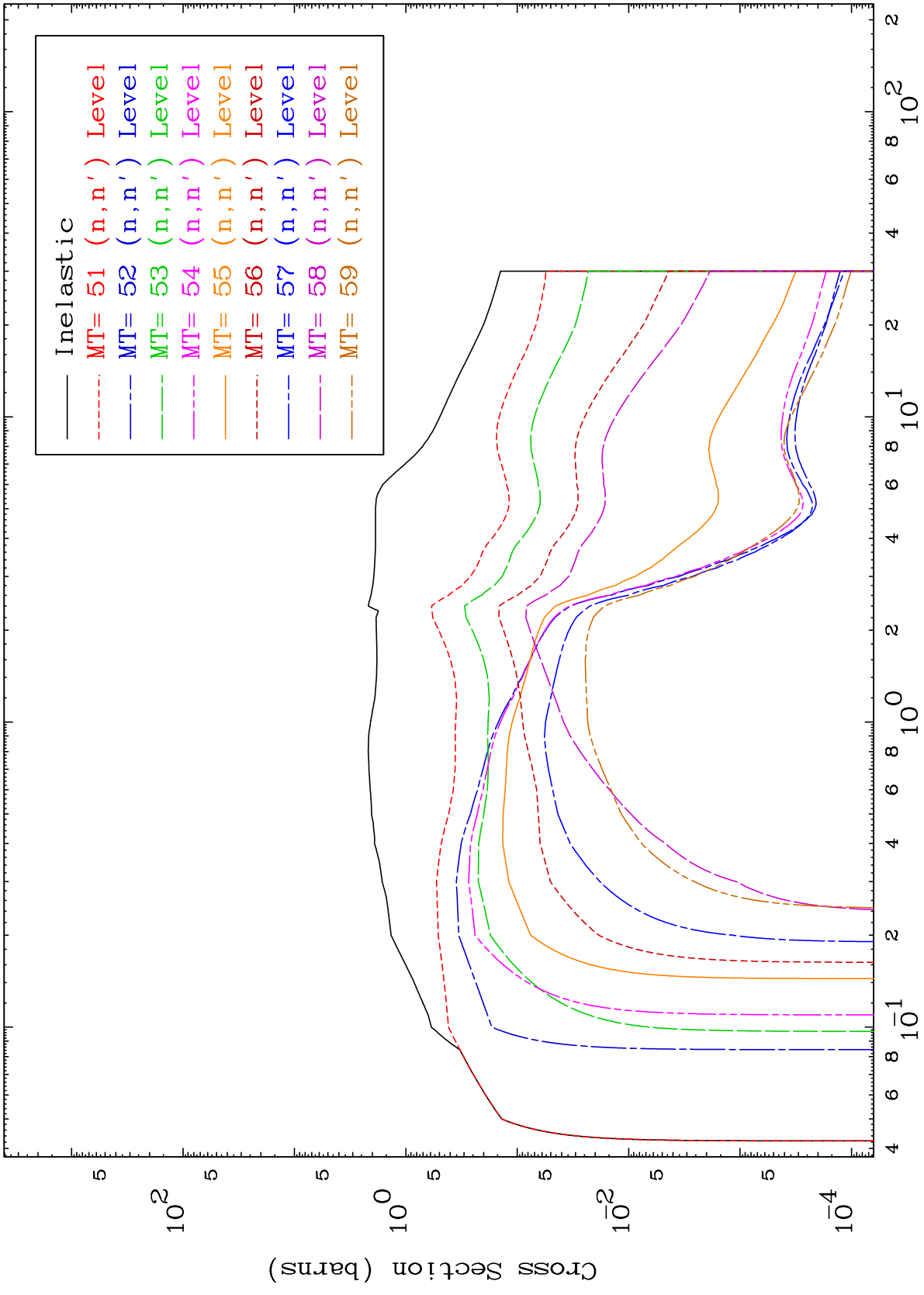




MAT 9549

(n,n') Level  
293 Kelvin Cross Sections

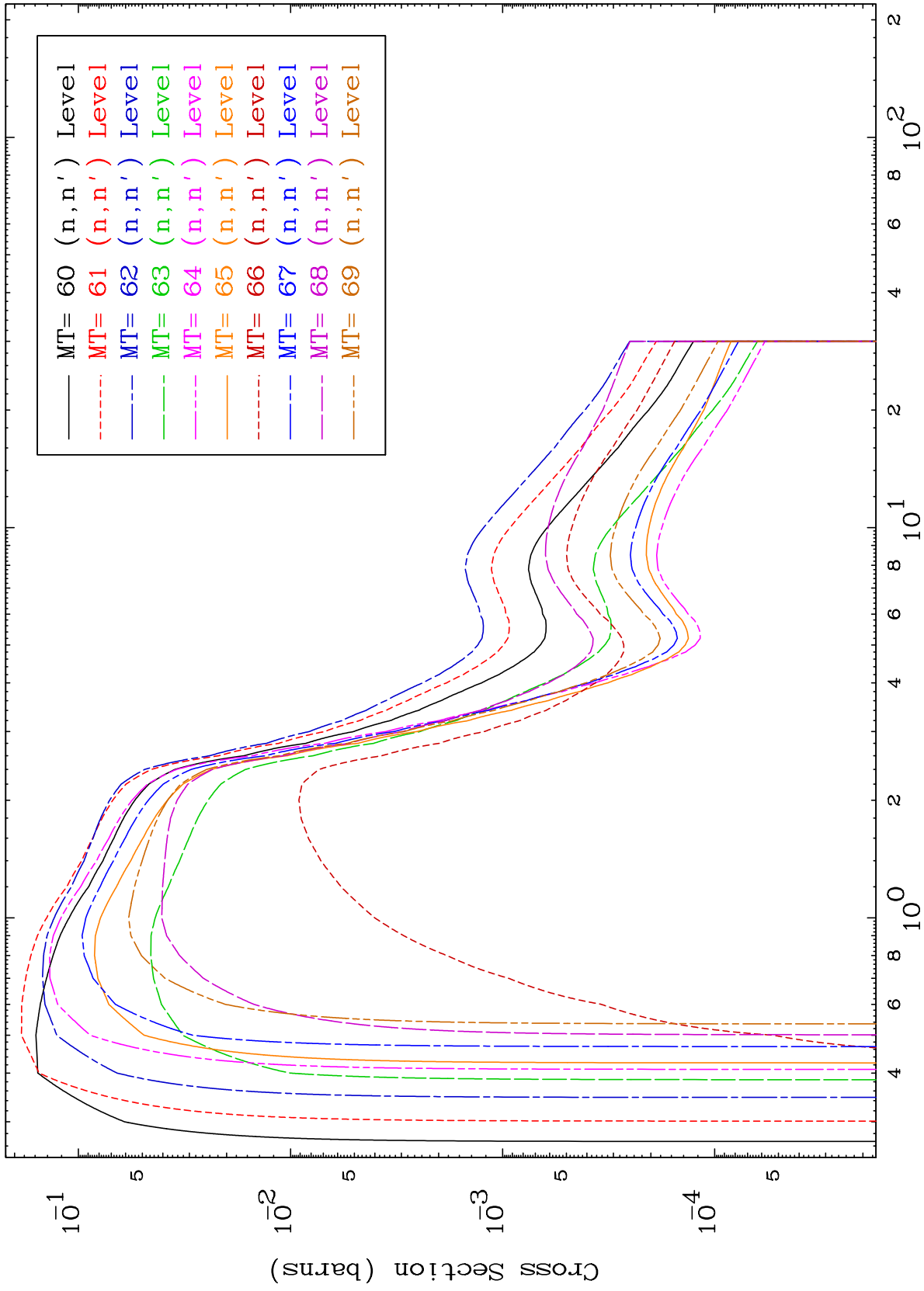
95-Am-243



MAT 9549

(n,n') Level  
293 Kelvin Cross Sections

95-Am-243



9

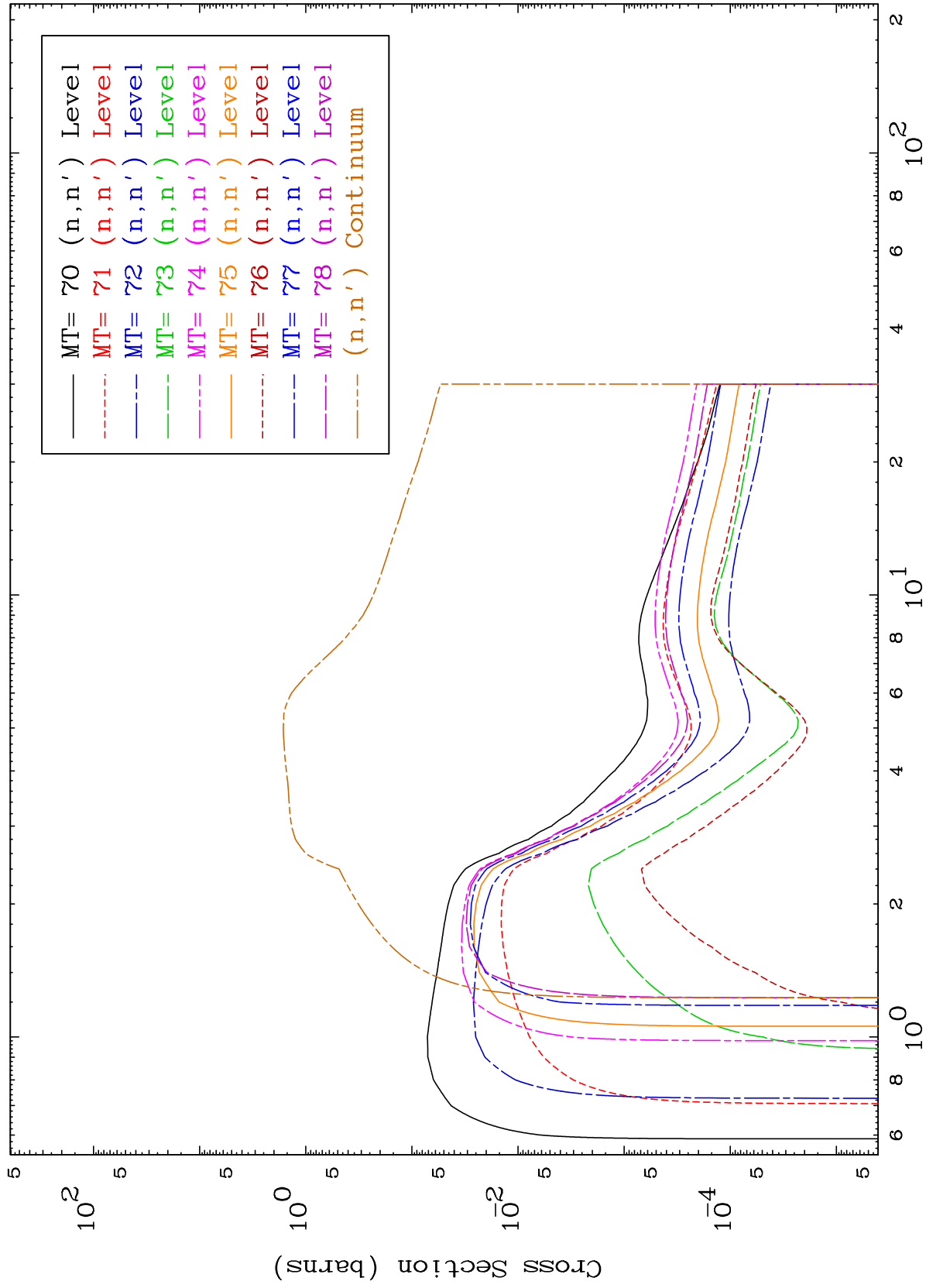
Incident Energy (MeV)

95-Am-243

MAT 9549

(n,n') Level  
293 Kelvin Cross Sections

95-Am-243



10

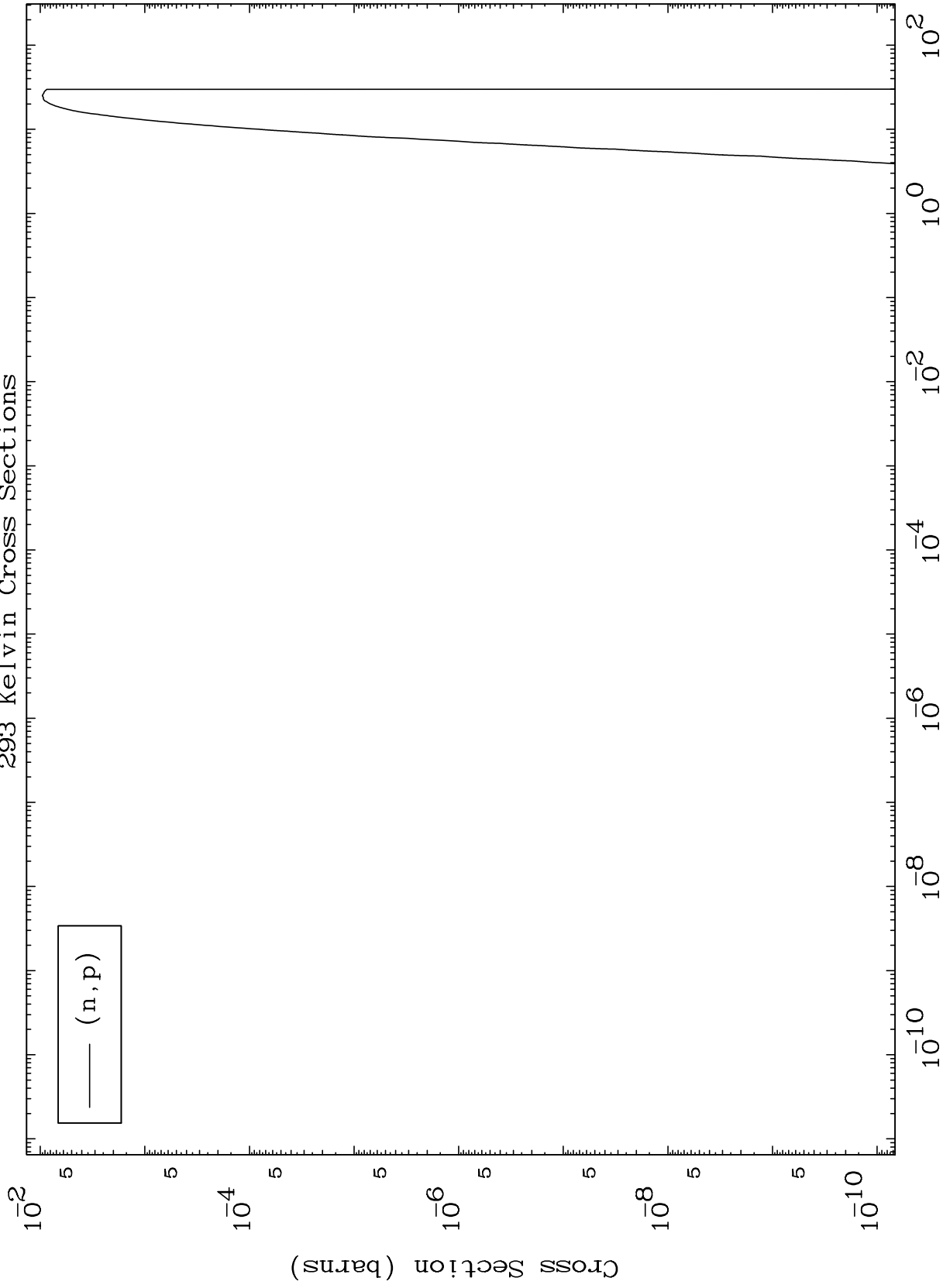
Incident Energy (MeV)

95-Am-243

MAT 9549

(n,p) Levels  
293 Kelvin Cross Sections

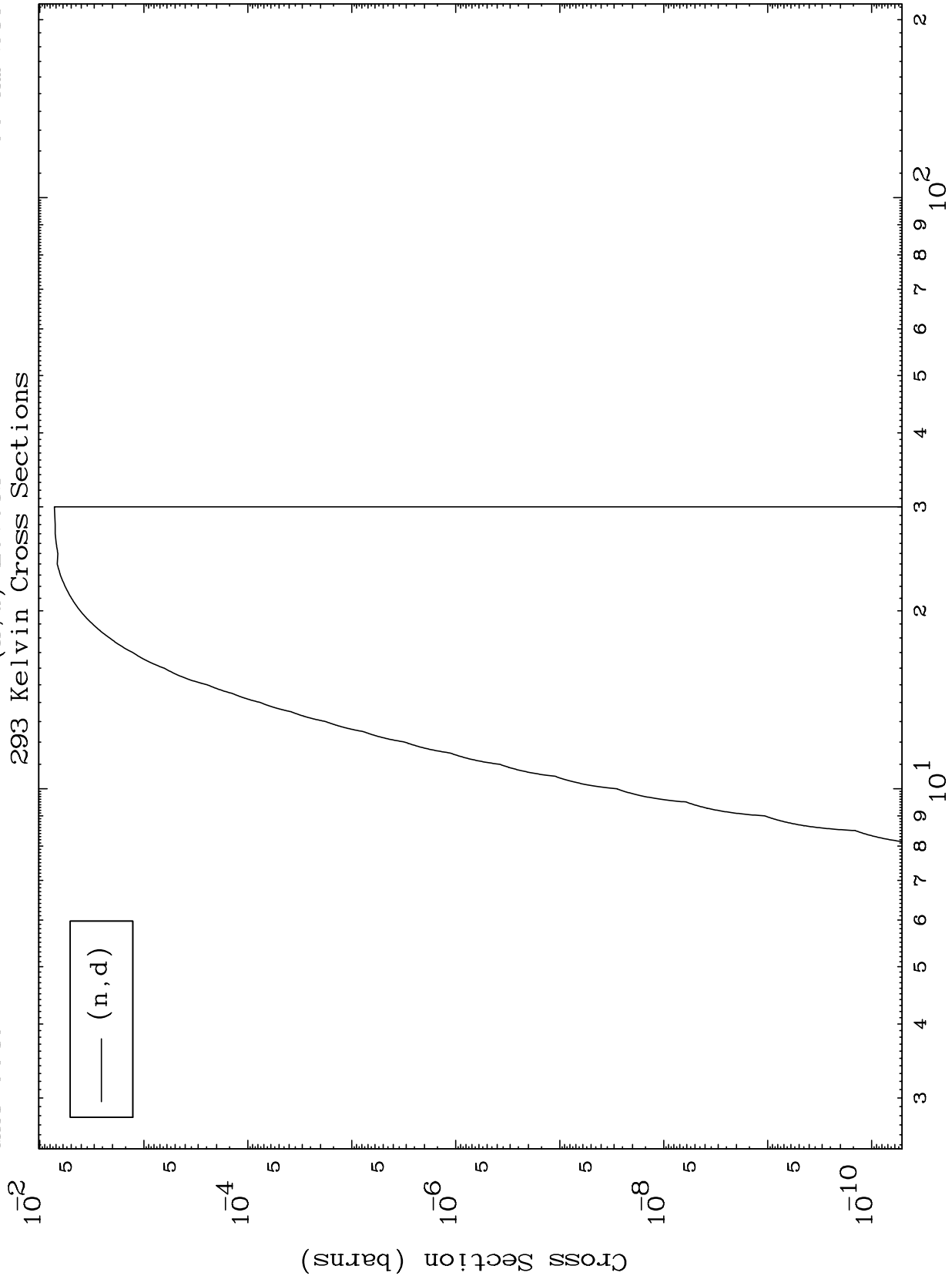
95-Am-243



MAT 9549

(n,d) Levels  
293 Kelvin Cross Sections

95-Am-243



12

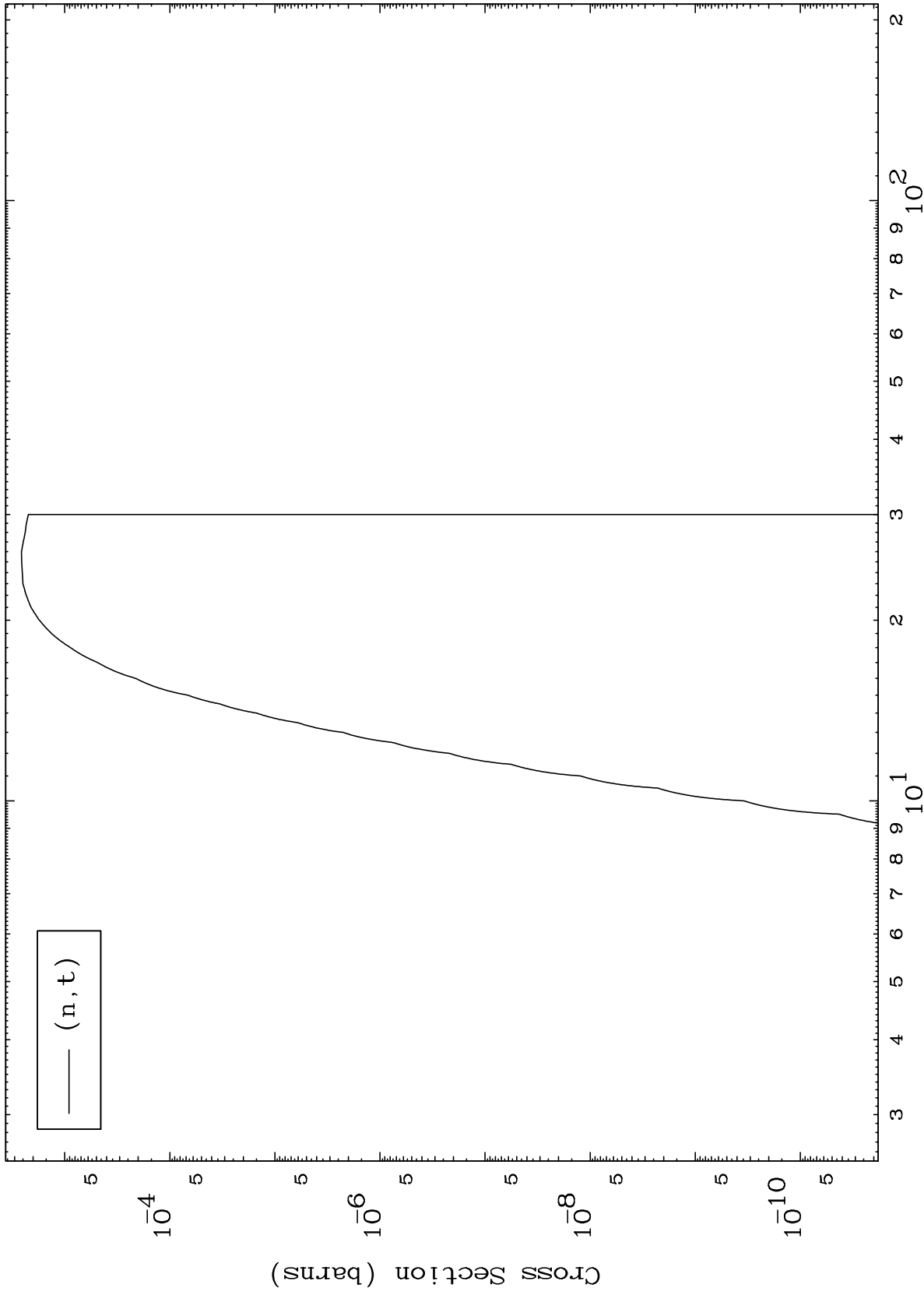
Incident Energy (MeV)

95-Am-243

MAT 9549

95-Am-243

(n,t) Levels  
293 Kelvin Cross Sections



13

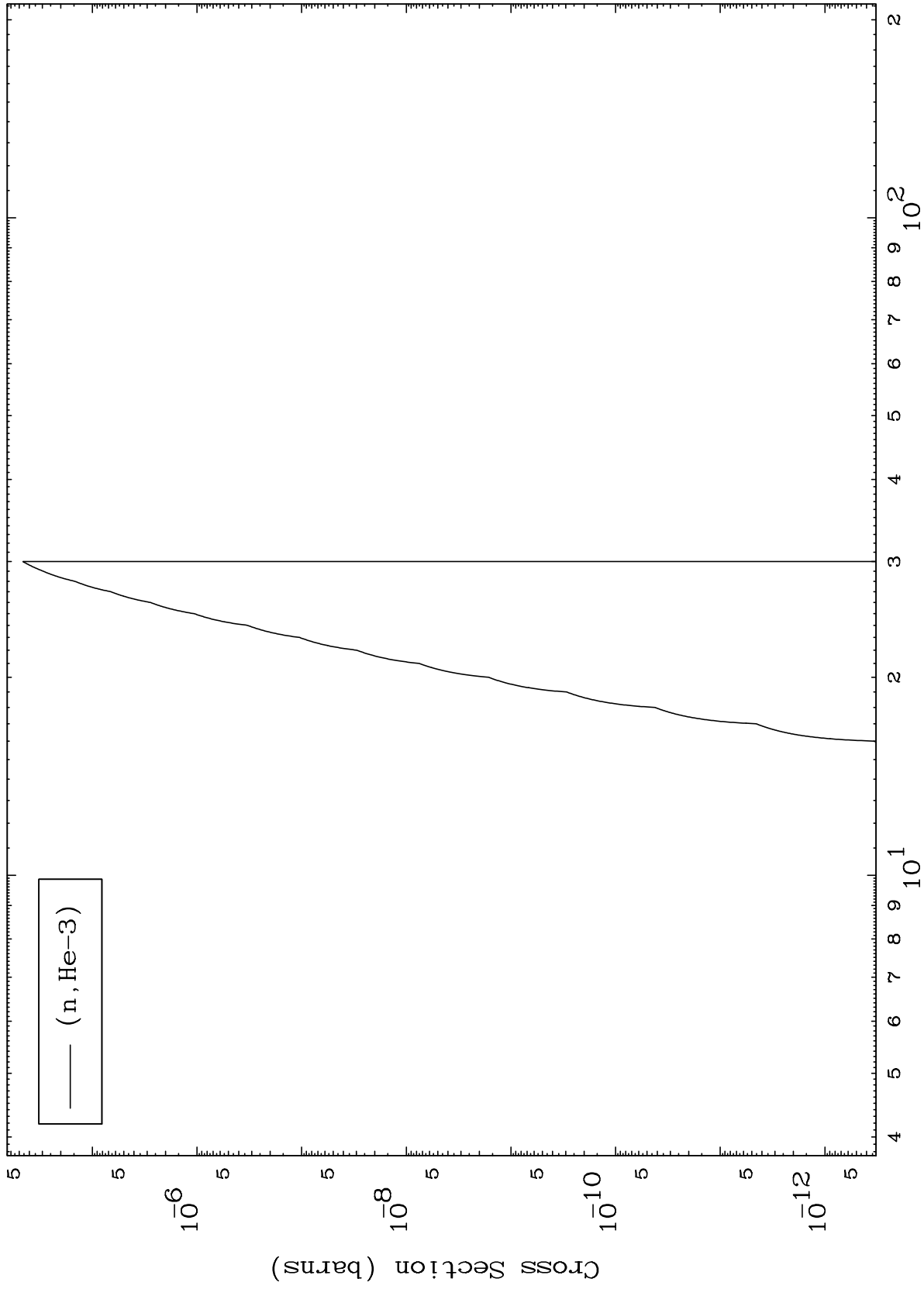
Incident Energy (MeV)

95-Am-243

MAT 9549

(n,He3) Levels  
293 Kelvin Cross Sections

95-Am-243



14

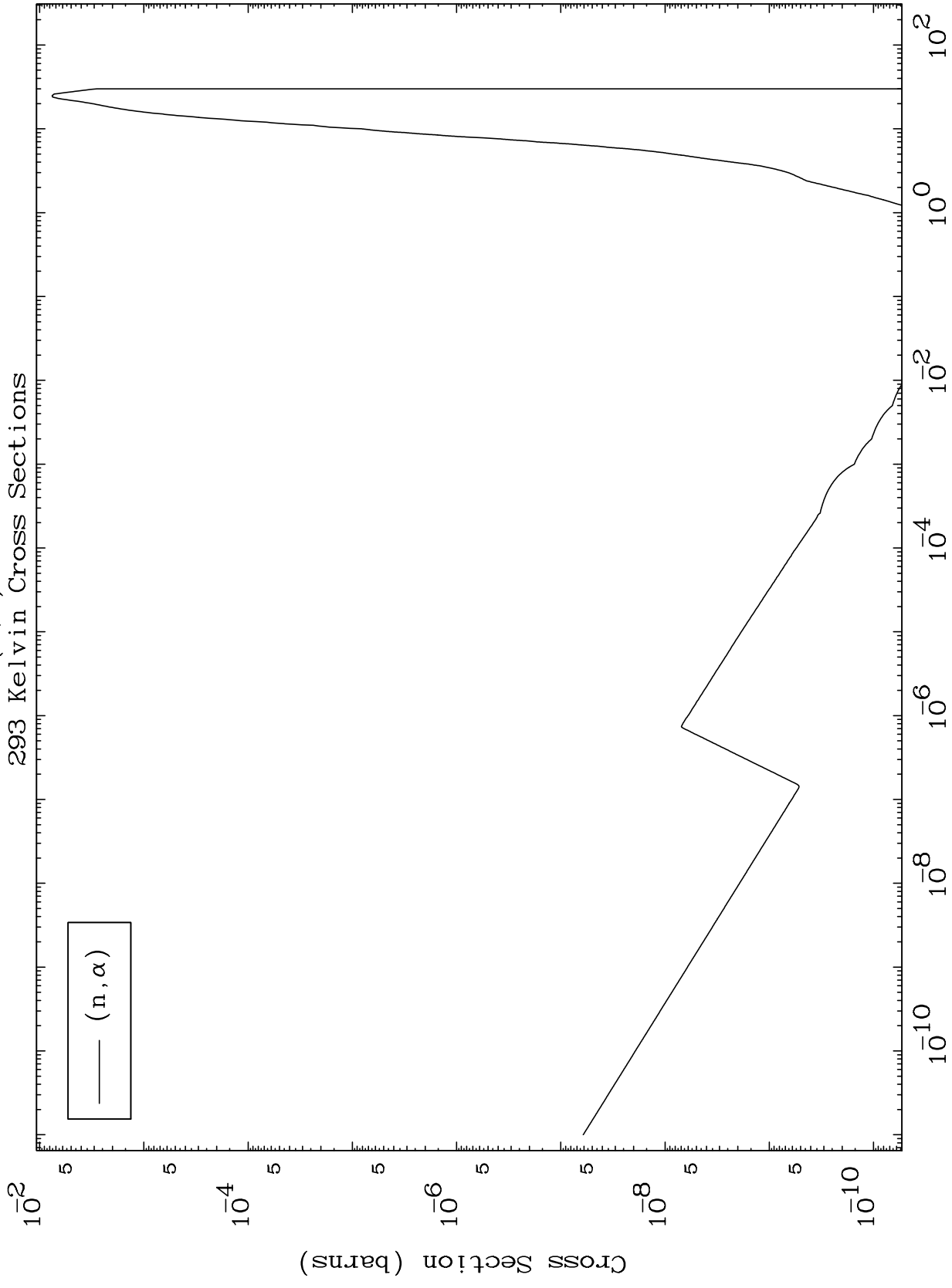
Incident Energy (MeV)

95-Am-243

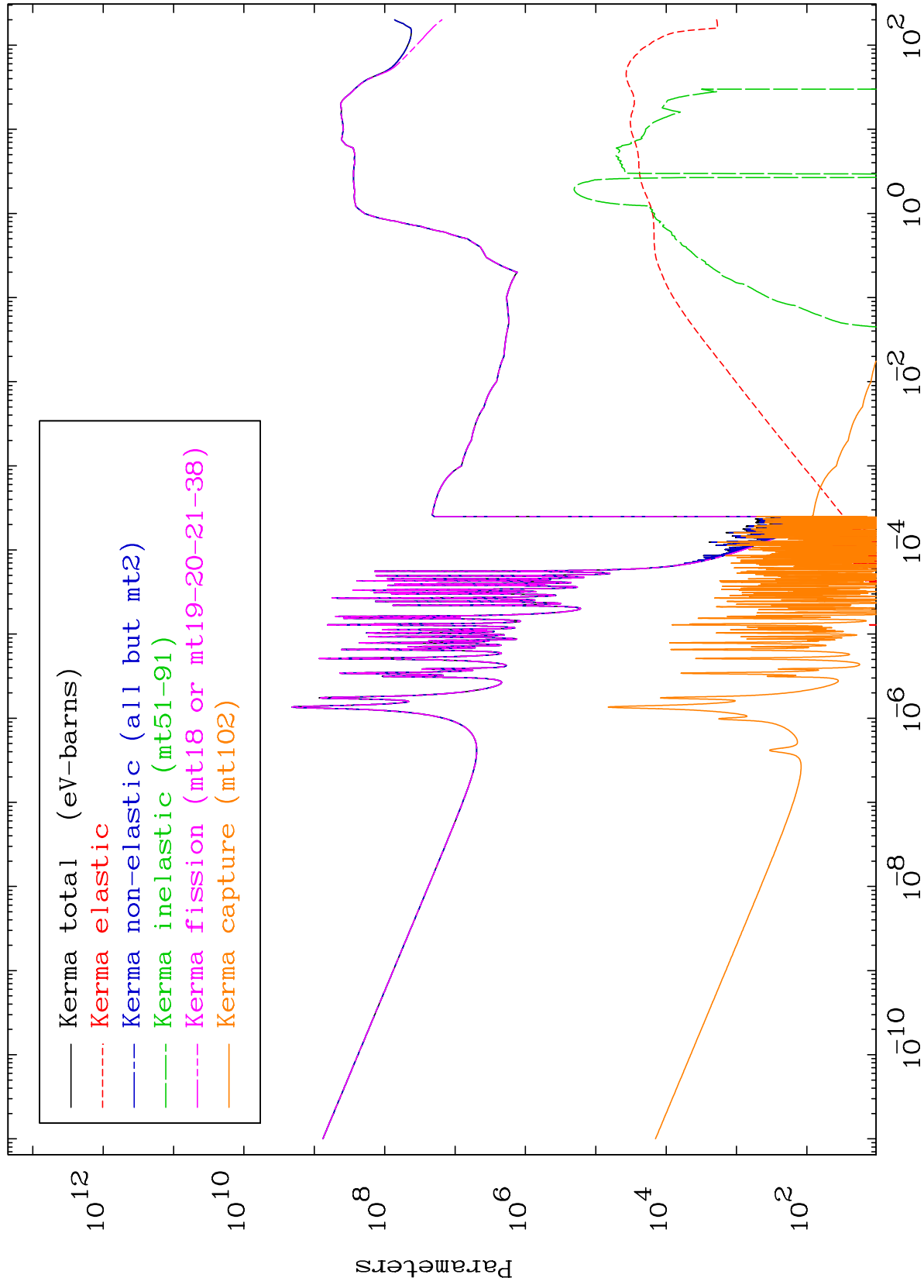
MAT 9549

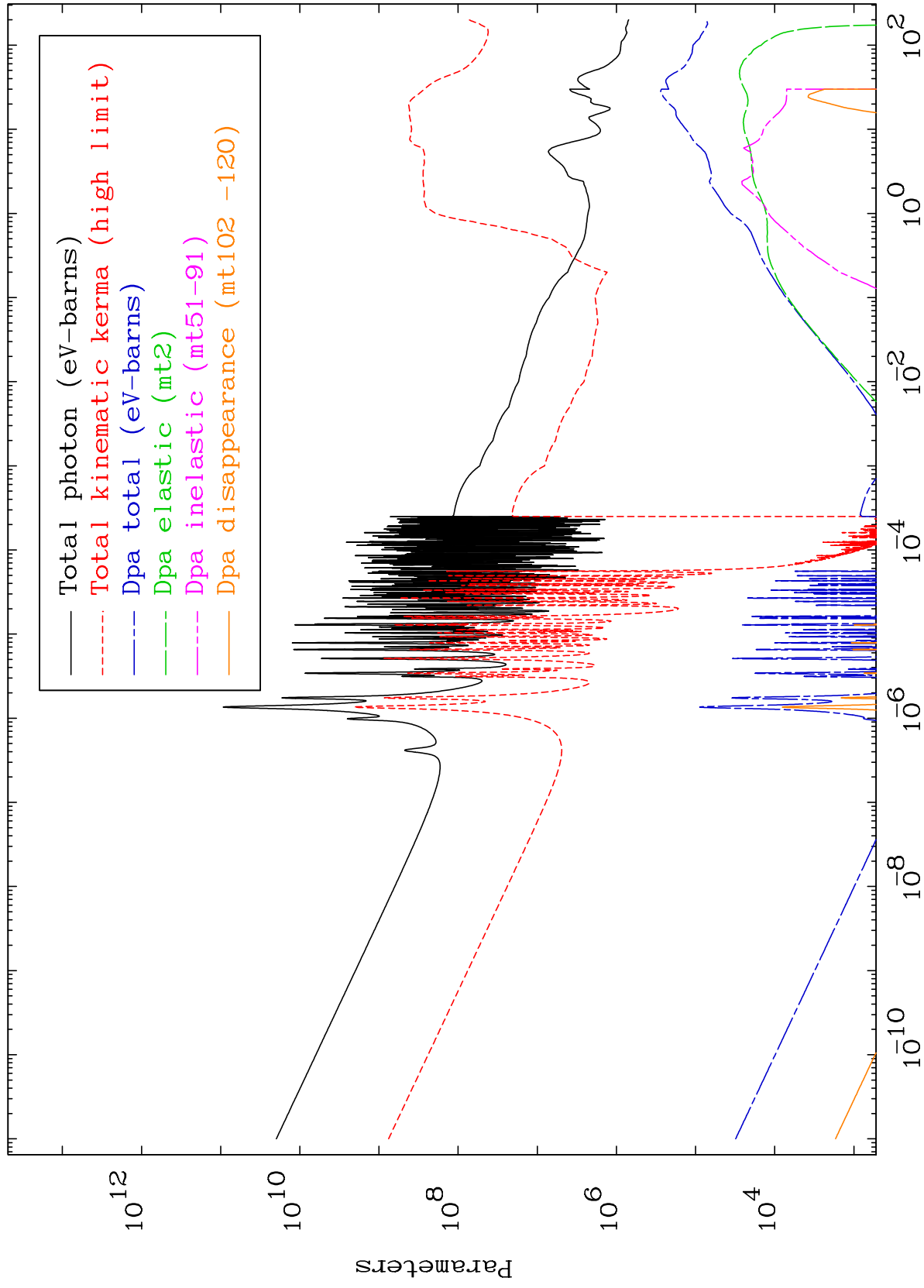
(n,α) Levels  
293 Kelvin Cross Sections

95-Am-243





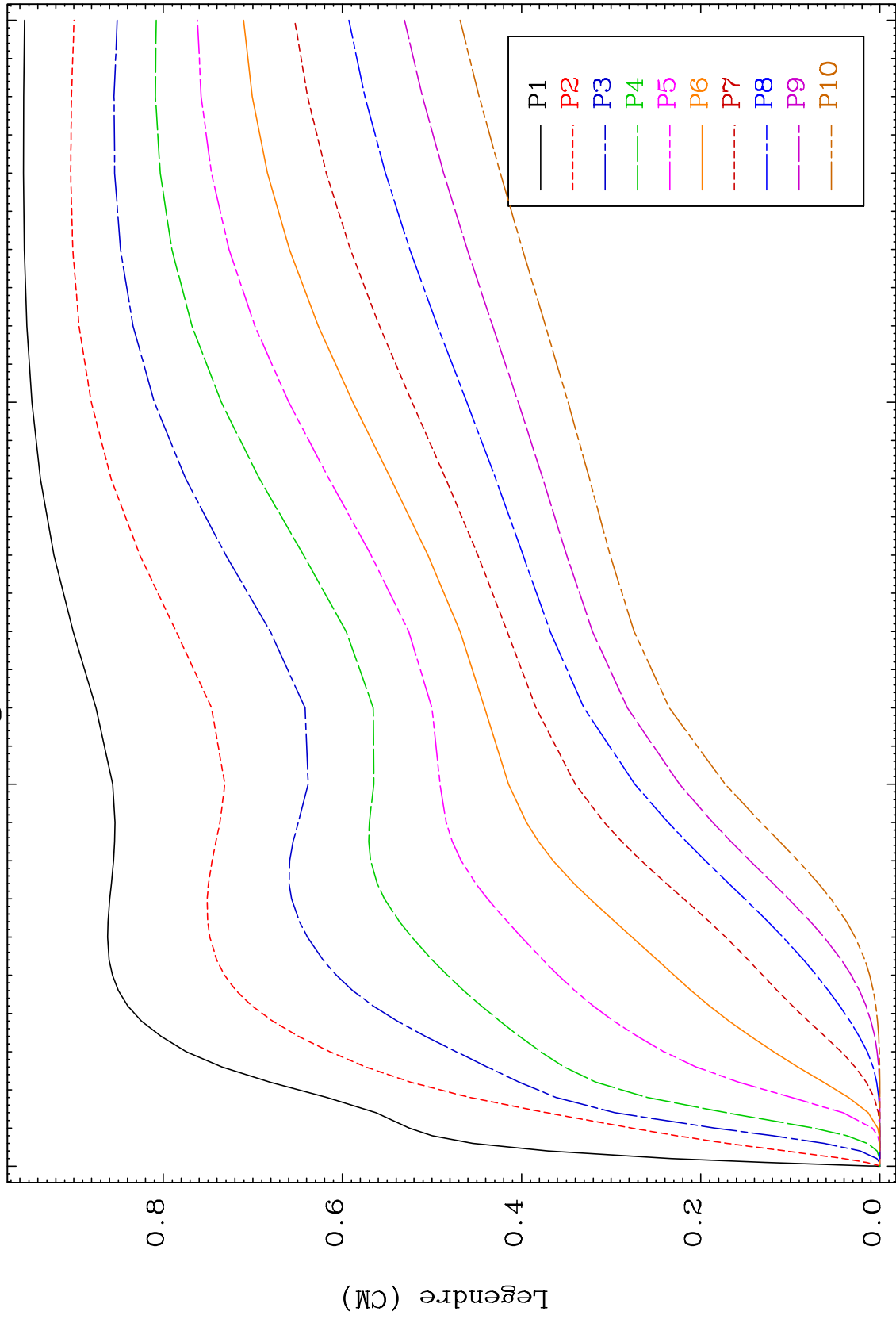




MAT 9549

Elastic Legendre Coefficients

95-Am-243



18

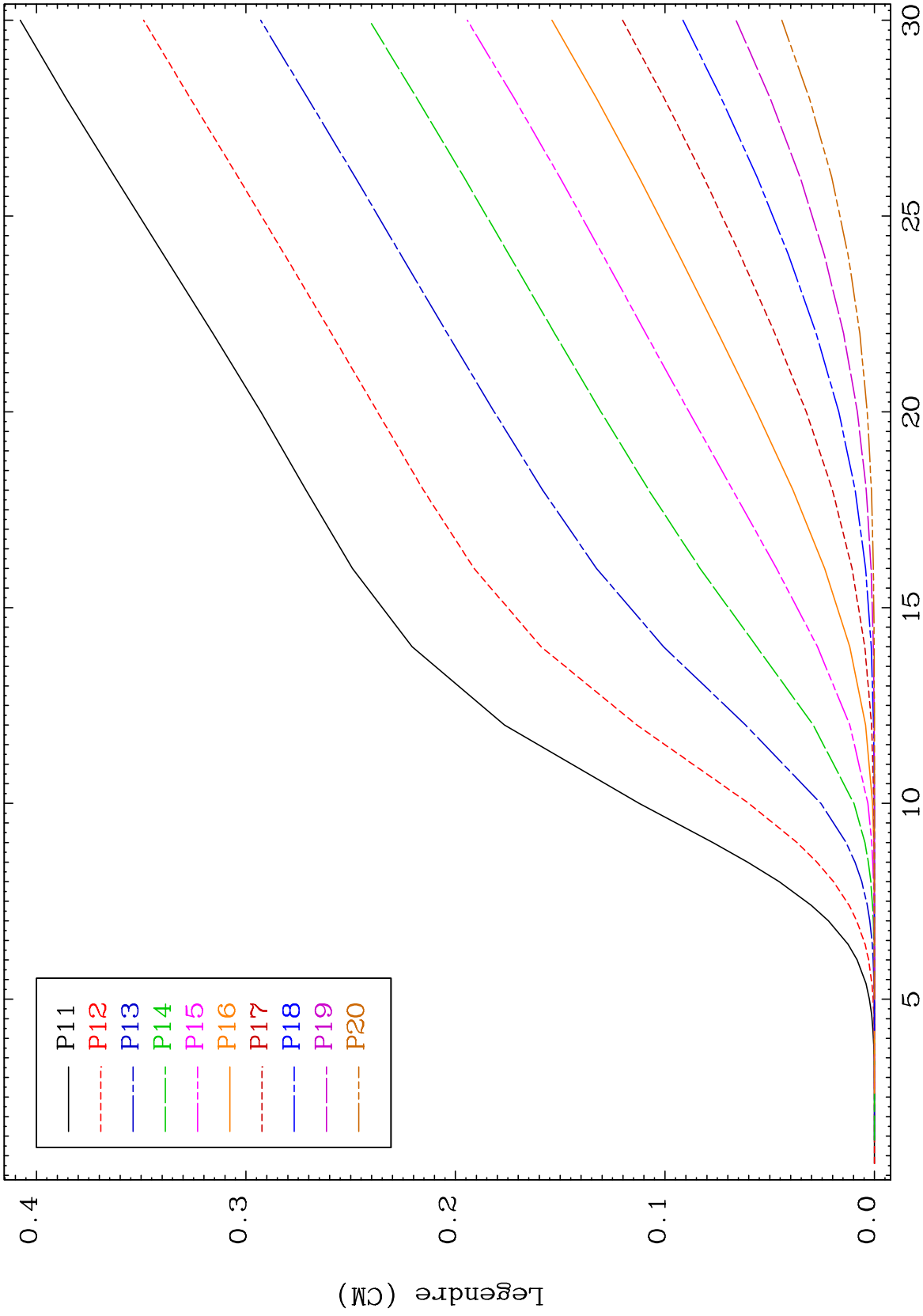
Incident Energy (MeV)

95-Am-243

MAT 9549

Elastic Legendre Coefficients

95-Am-243



19

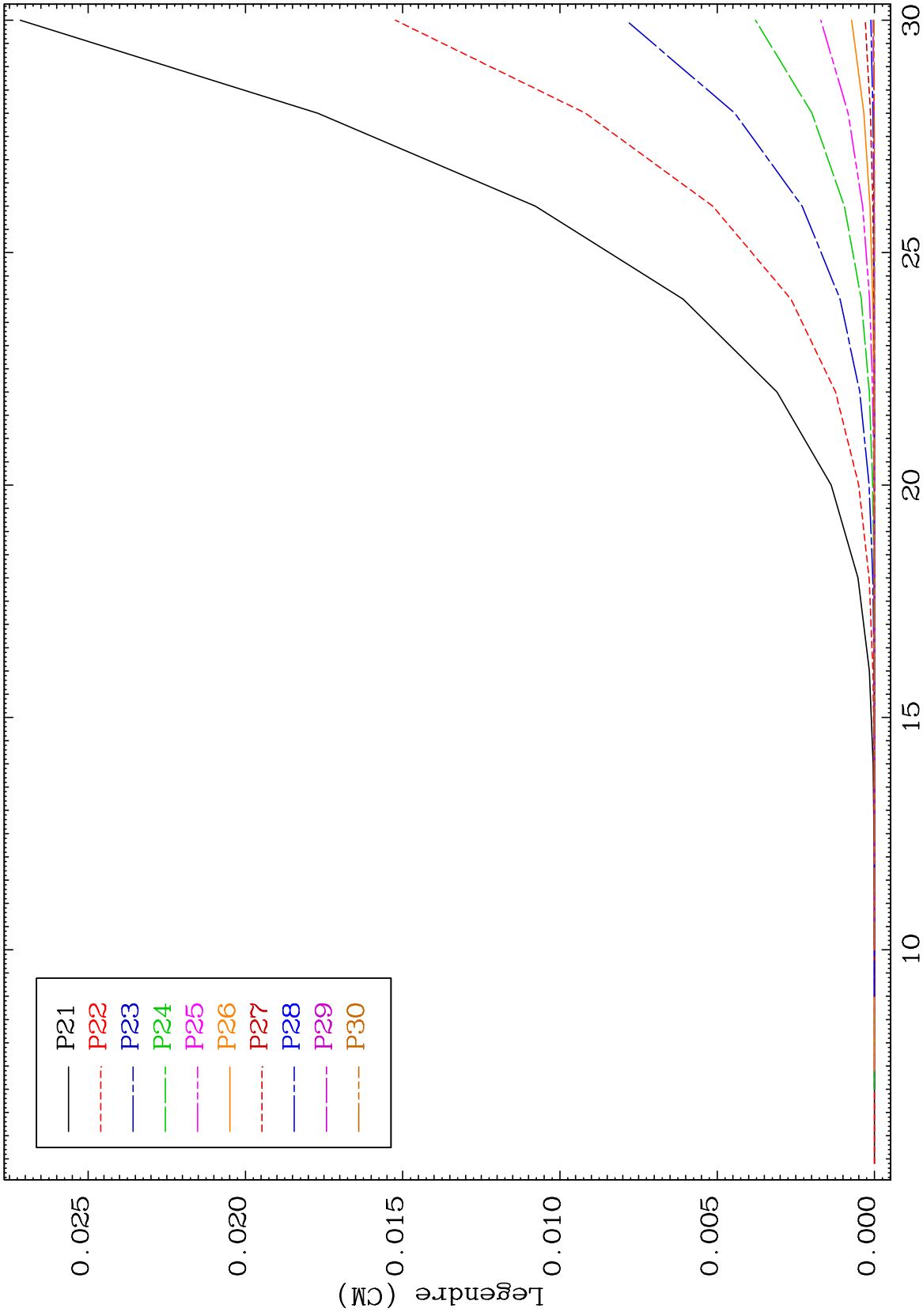
Incident Energy (MeV)

95-Am-243

MAT 9549

### Elastic Legendre Coefficients

95-Am-243



20

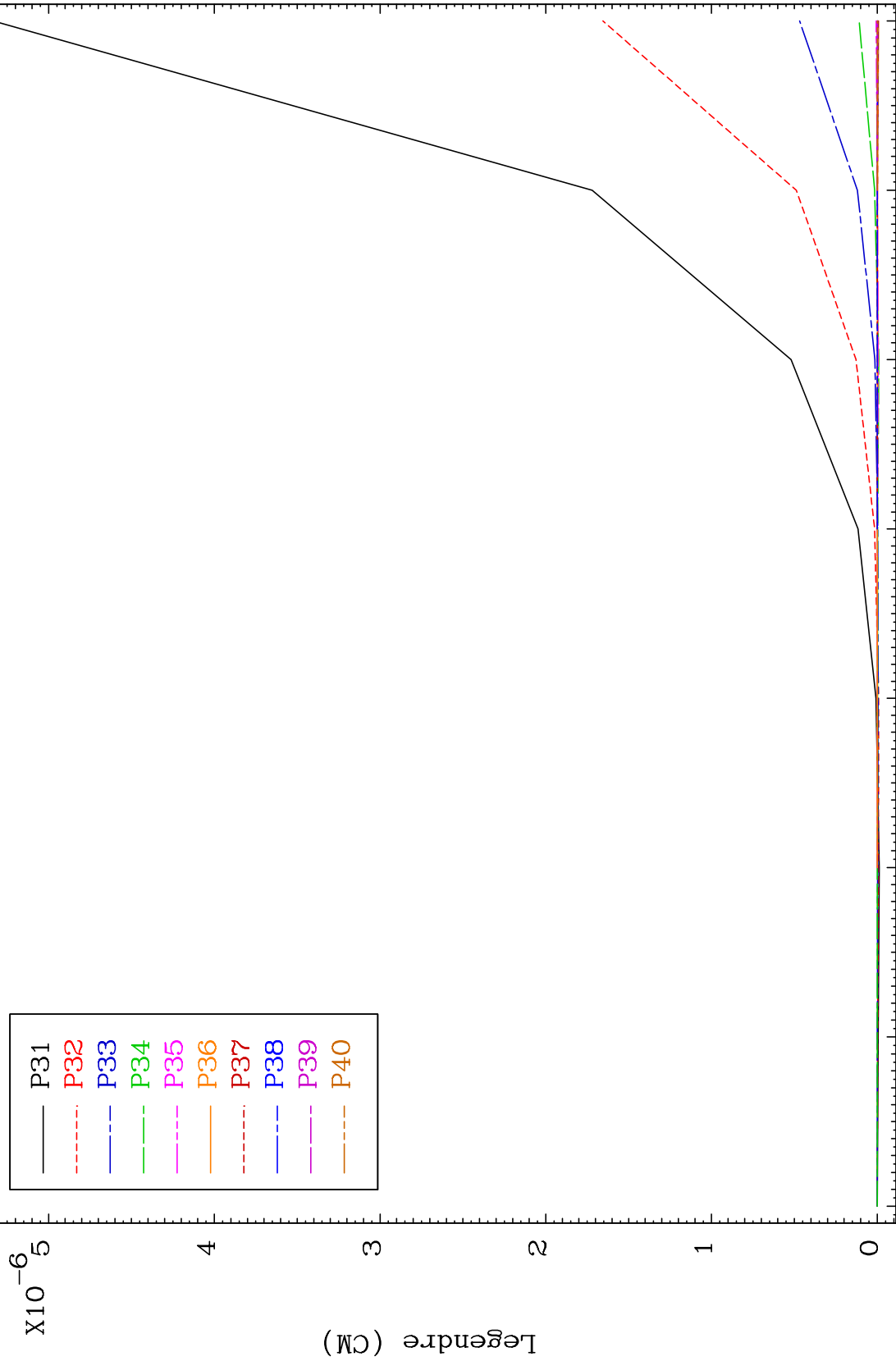
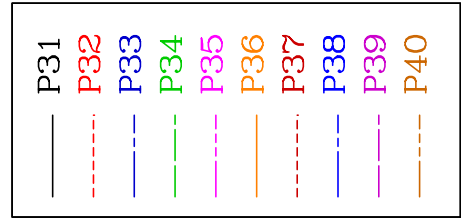
Incident Energy (MeV)

95-Am-243

MAT 9549

Elastic Legendre Coefficients

95-Am-243



21

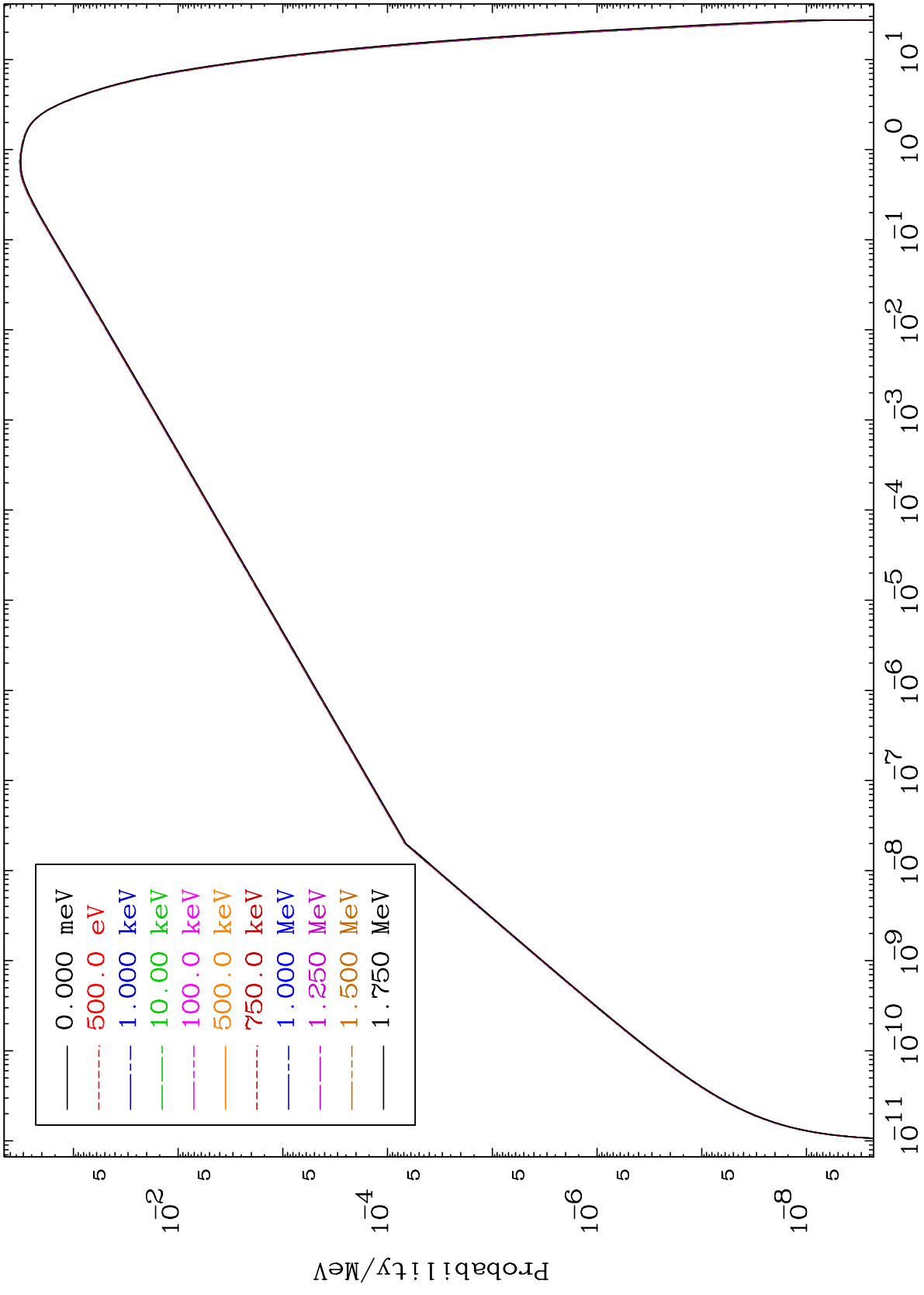
Incident Energy (MeV)

95-Am-243

MAT 9549

### Fission Energy Distribution

95-Am-243

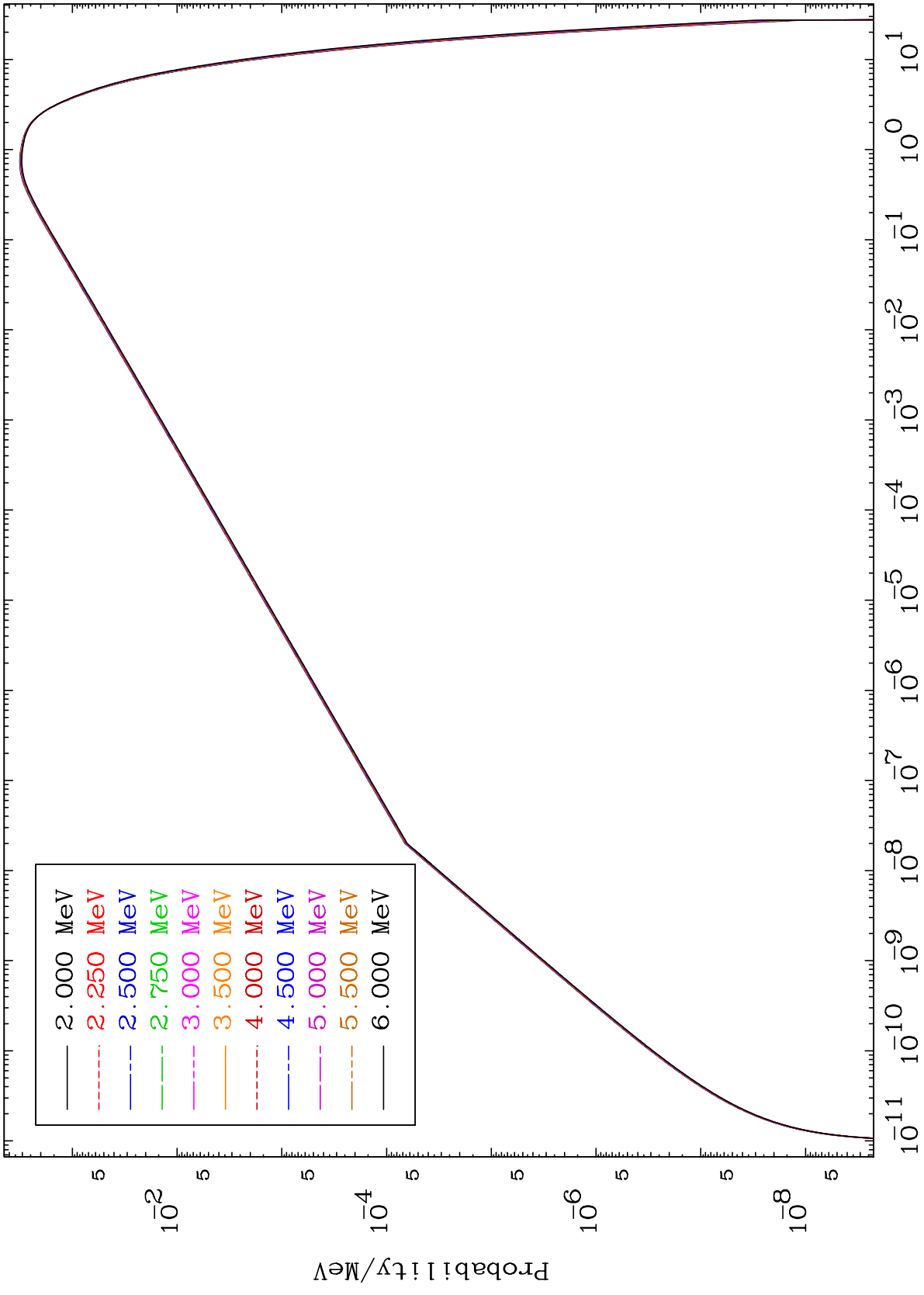


95-Am-243

MAT 9549

### Fission Energy Distribution

95-Am-243

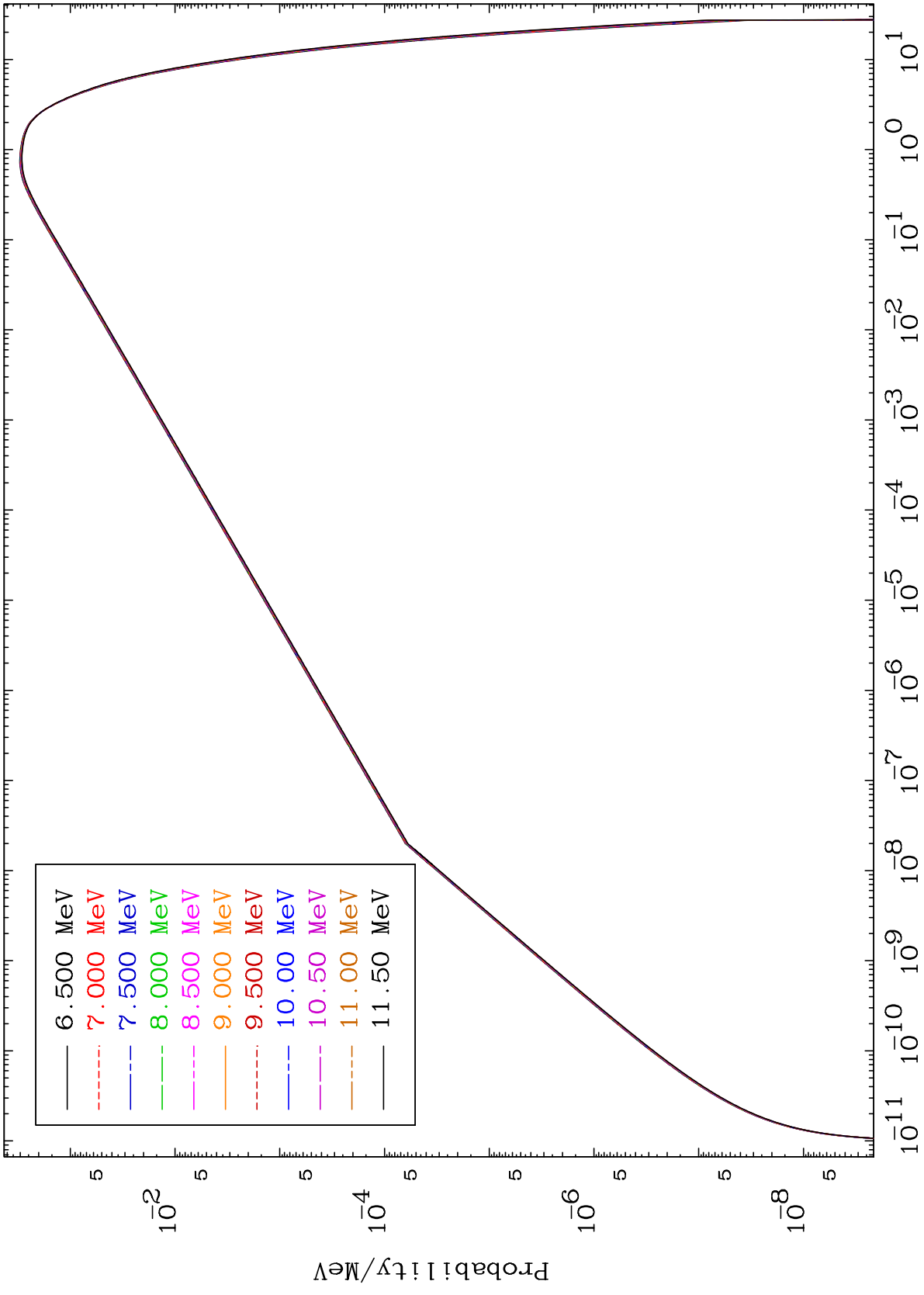




MAT 9549

### Fission Energy Distribution

95-Am-243

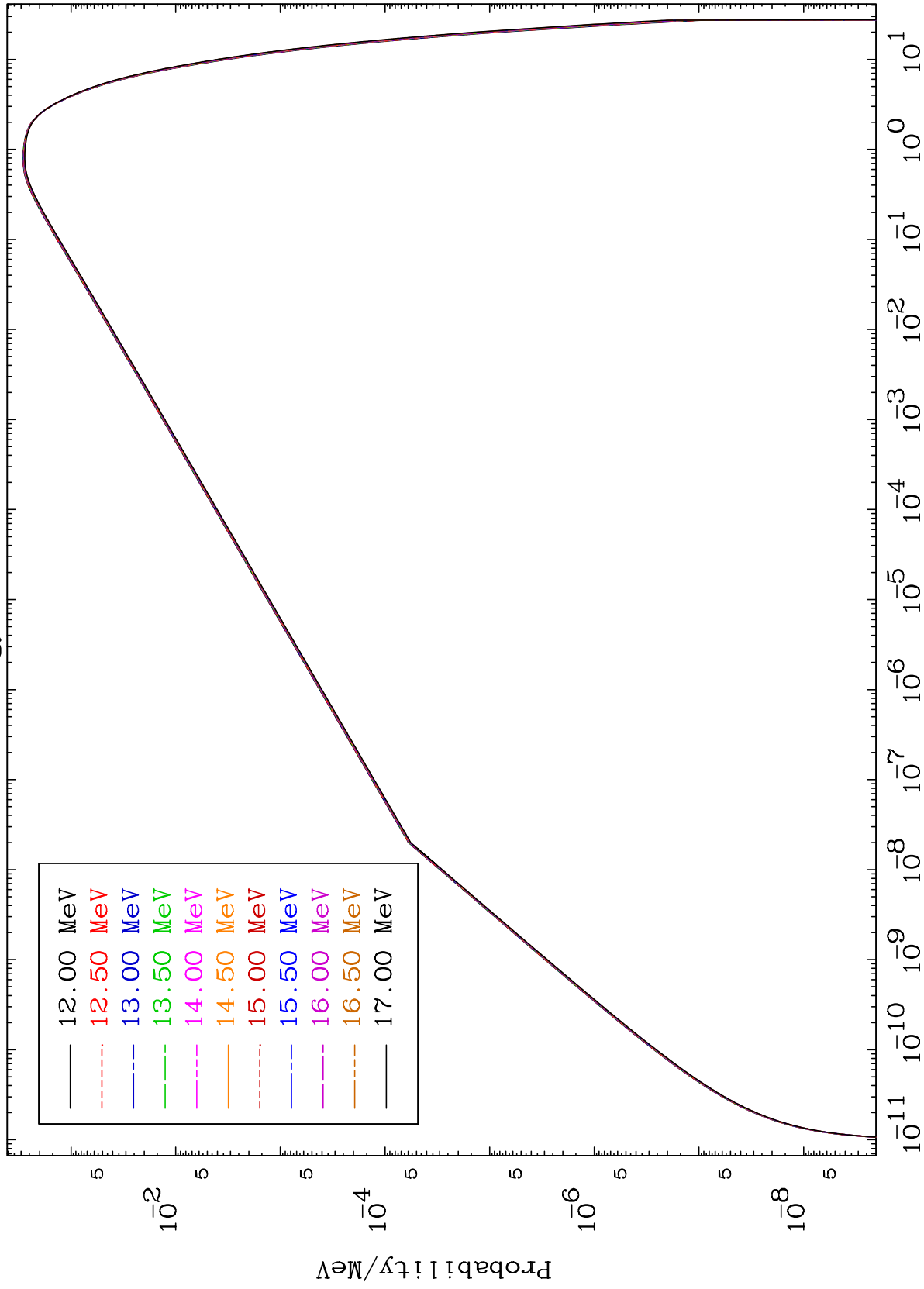


95-Am-243

MAT 9549

# Fission Energy Distribution

95-Am-243



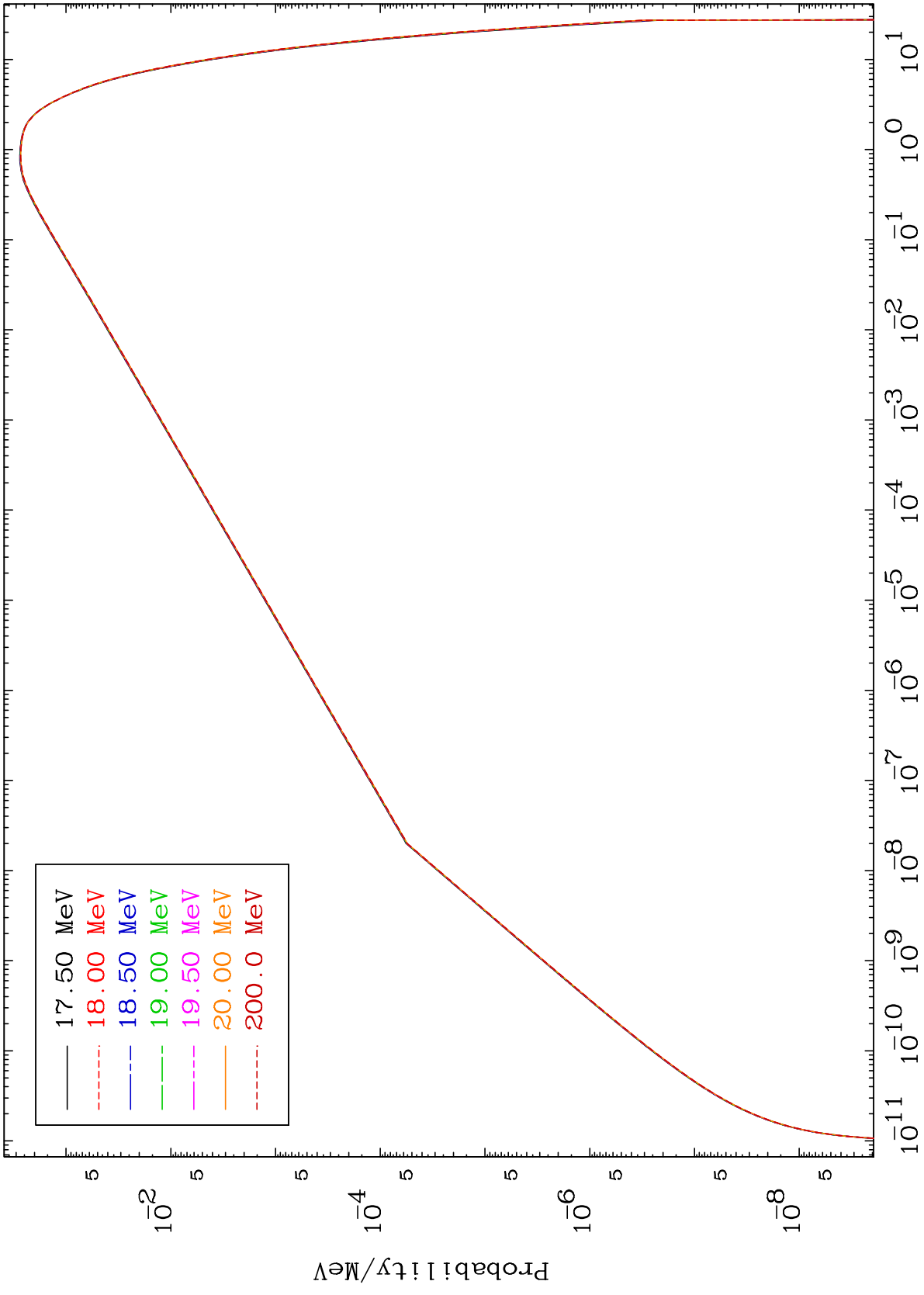
25

95-Am-243

MAT 9549

### Fission Energy Distribution

95-Am-243



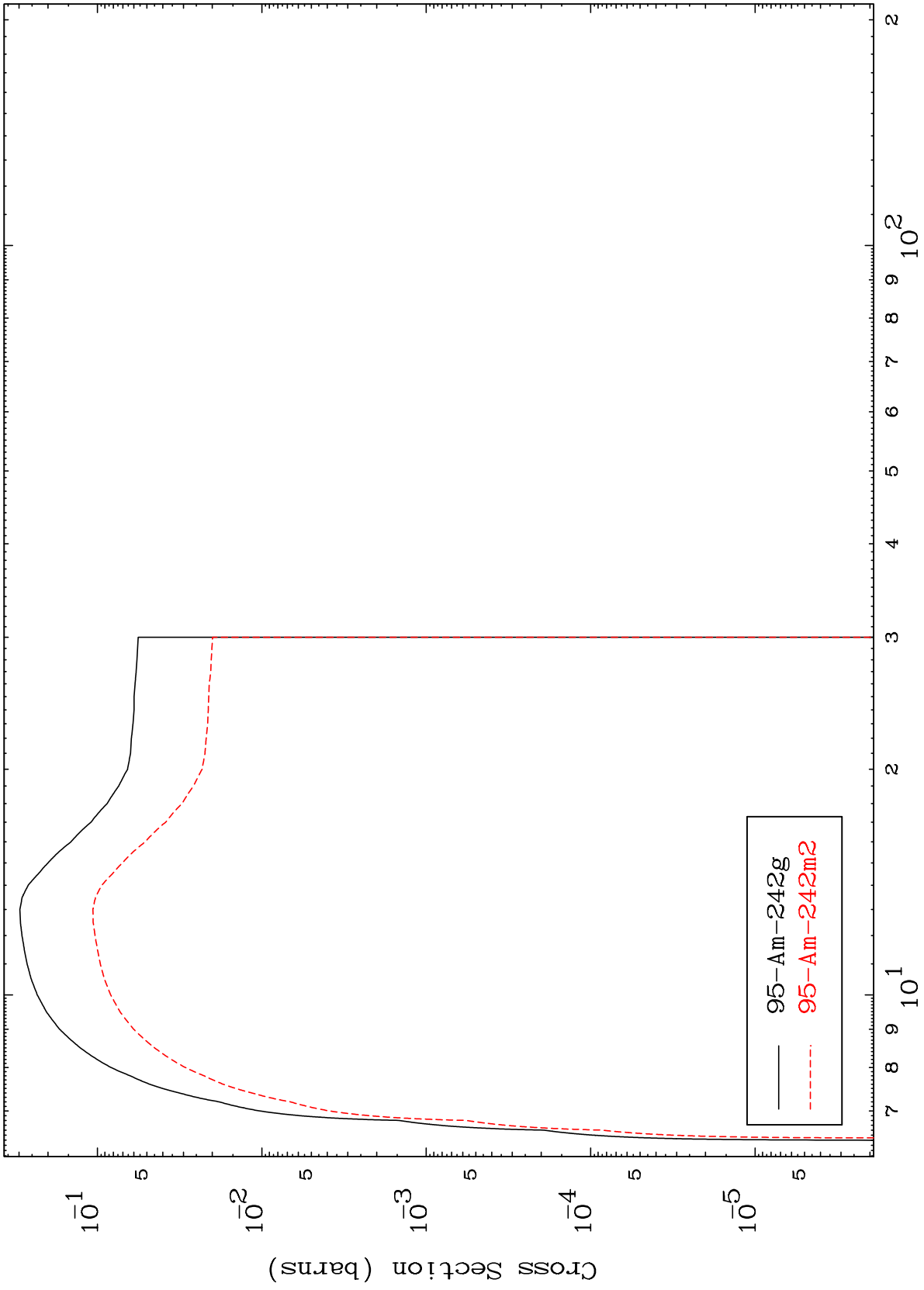
—	17.50	MeV
- - -	18.00	MeV
- . - .	18.50	MeV
- - -	19.00	MeV
- . - .	19.50	MeV
- - -	20.00	MeV
- - -	200.0	MeV

95-Am-243

MAT 9549

95-Am-243

(n,2n)  
Radionuclide Production Cross Section



27

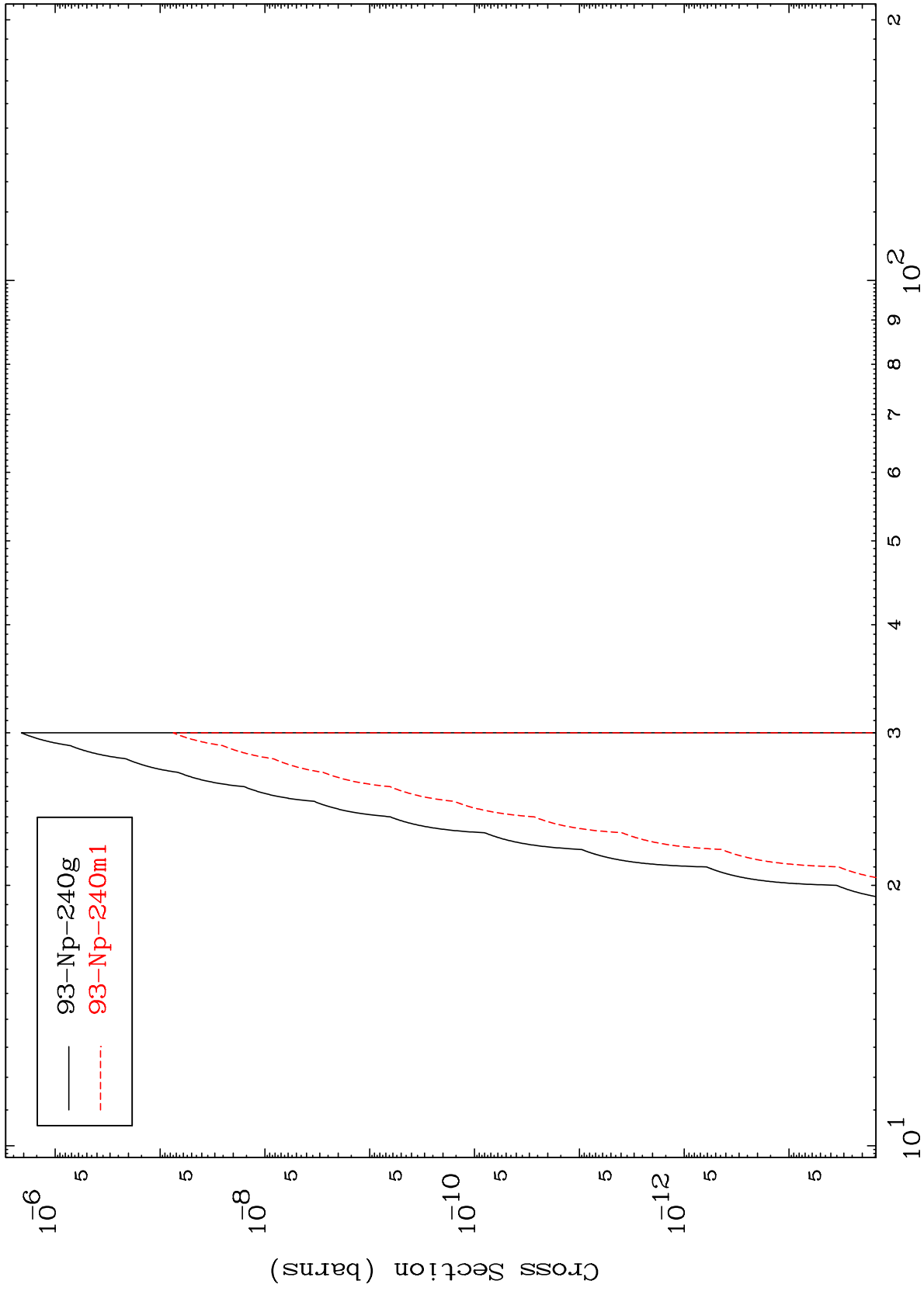
95-Am-243

MAT 9549

(n, n') He-3

95-Am-243

Radionuclide Production Cross Section



28

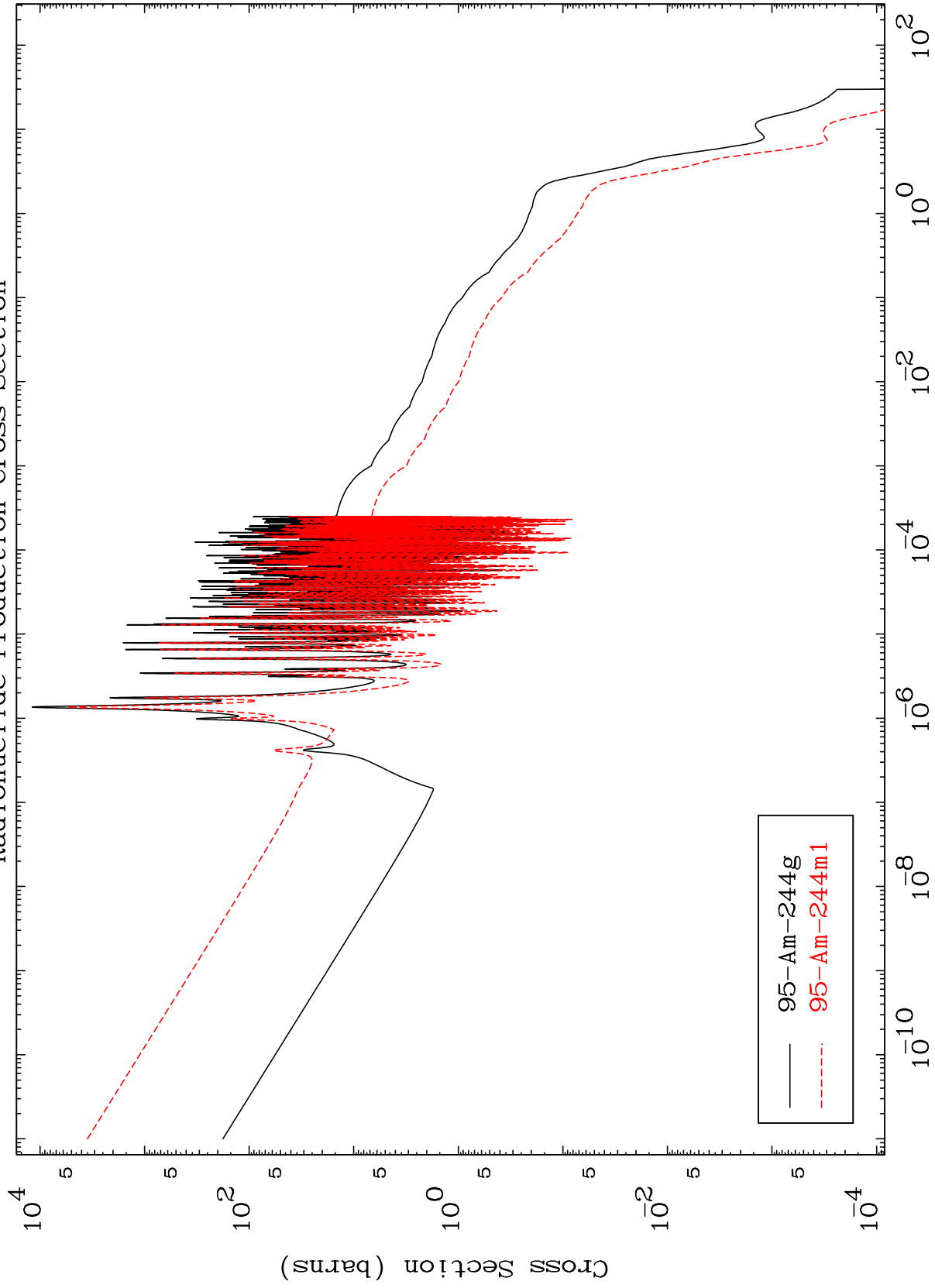
Incident Energy (MeV)

95-Am-243

MAT 9549

95-Am-243

(n,γ)  
Radionuclide Production Cross Section



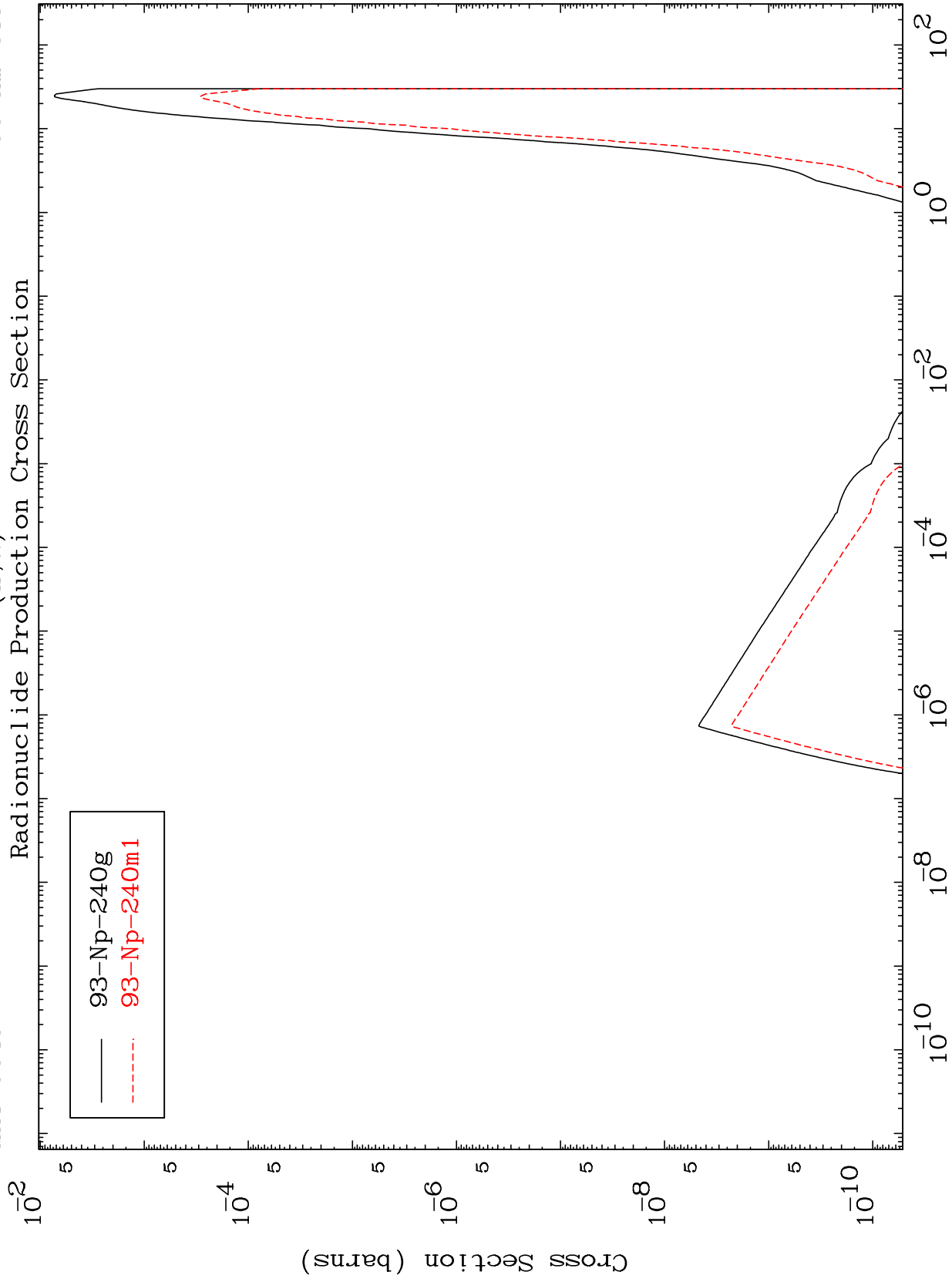
29

95-Am-243

MAT 9549

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

95-Am-243



30

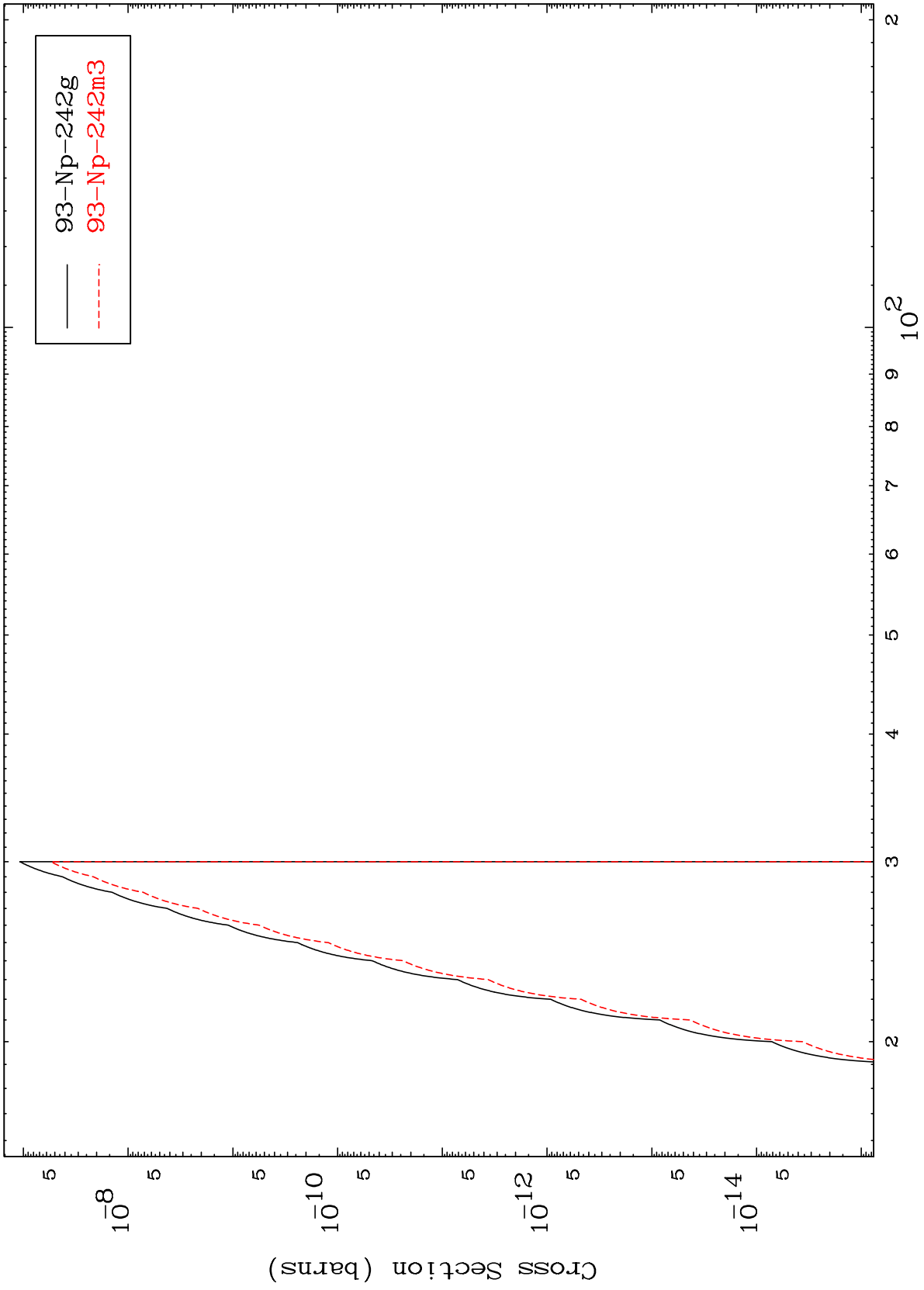
Incident Energy (MeV)

95-Am-243

MAT 9549

95-Am-243

(n,2p)  
Radionuclide Production Cross Section



31

95-Am-243