

Program EVALPLOT  
(Version 2018-1)

by

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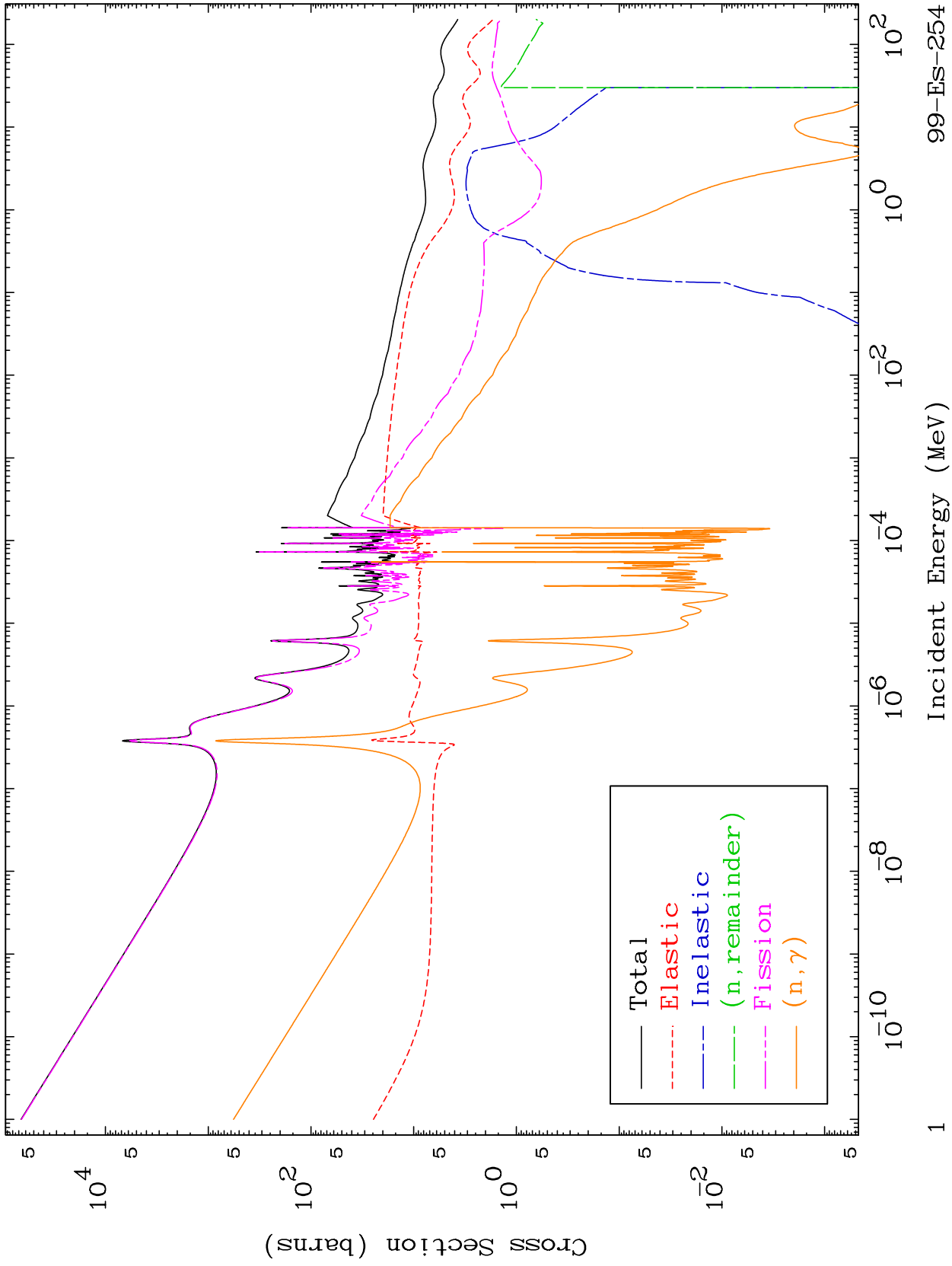
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9919

Major  
293 Kelvin Cross Sections

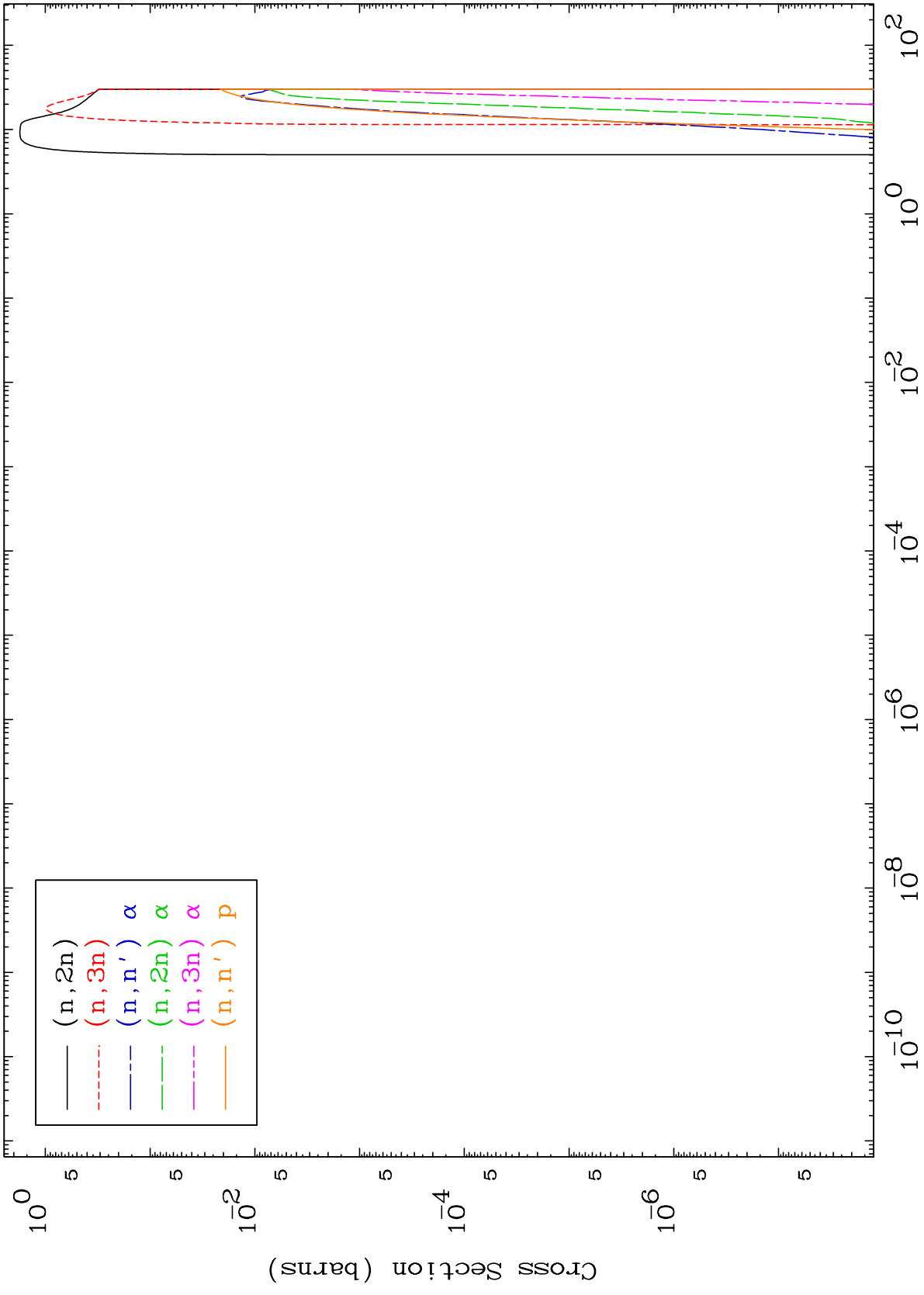
99-Es-254



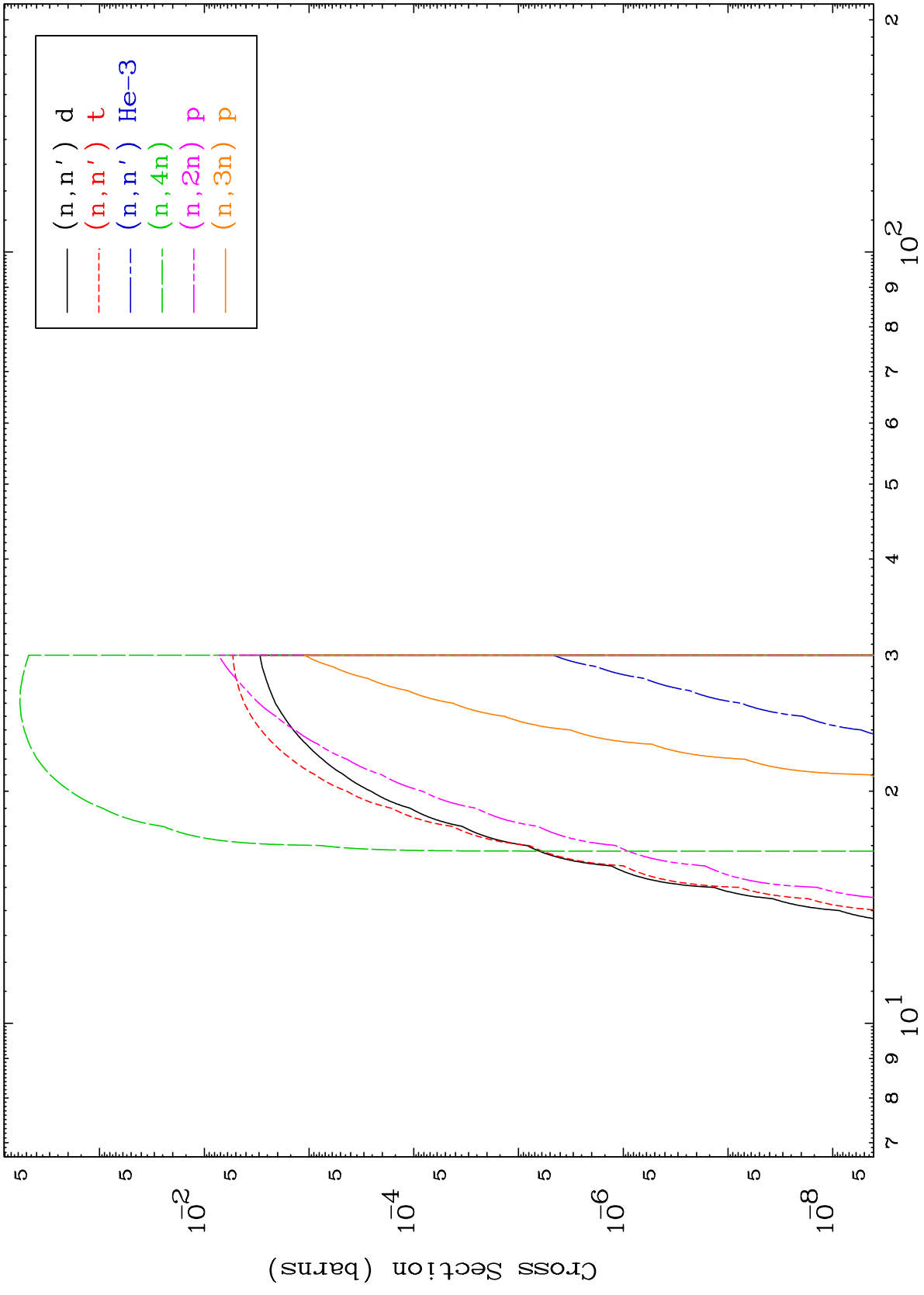
MAT 9919

Neutron Production  
293 Kelvin Cross Sections

99-Es-254



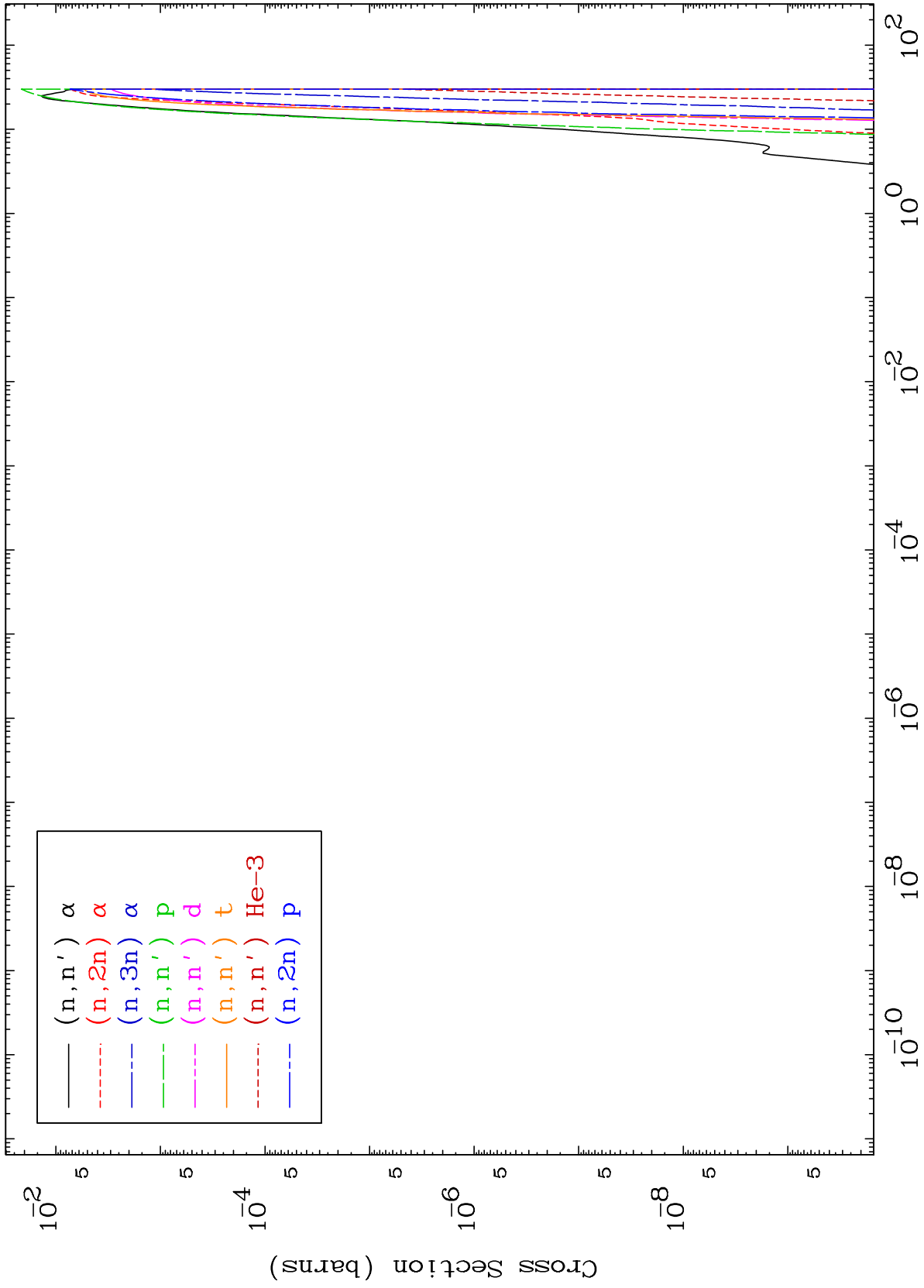
99-Es-254



MAT 9919

Charged Particle  
293 Kelvin Cross Sections

99-Es-254

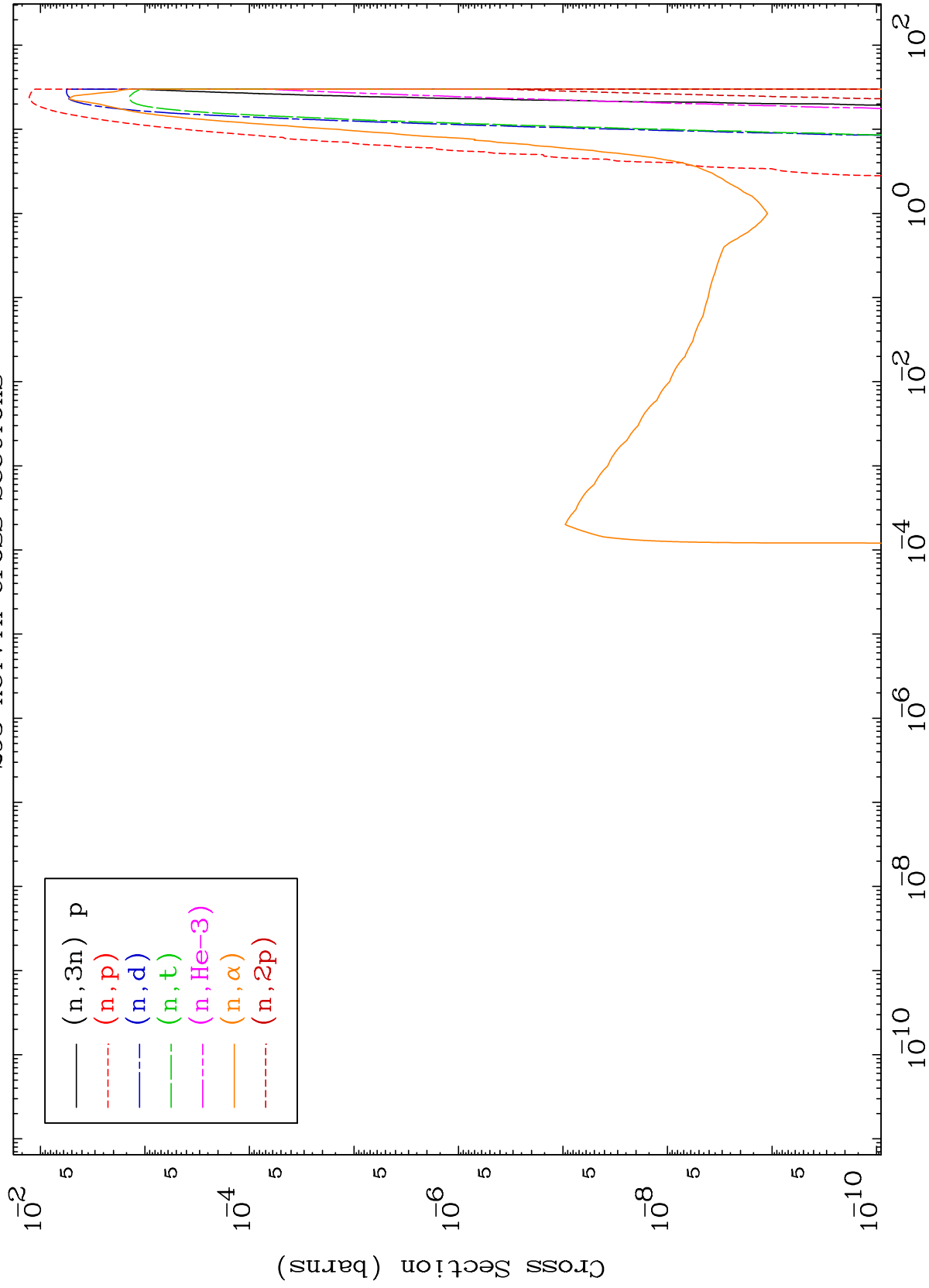


99-Es-254

MAT 9919

Charged Particle  
293 Kelvin Cross Sections

99-Es-254



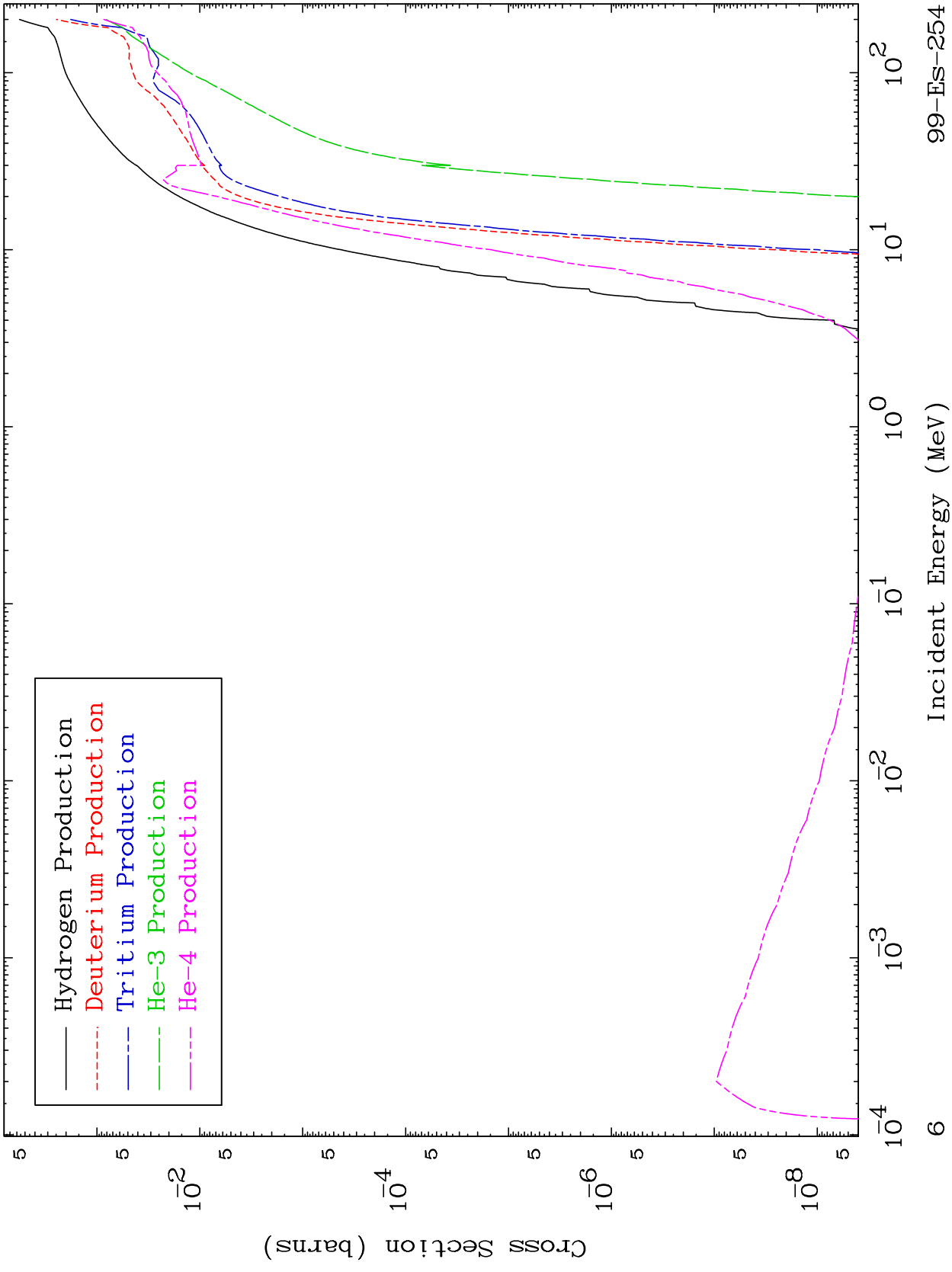
5

99-Es-254

MAT 9919

Particle Production  
293 Kelvin Cross Sections

99-Es-254

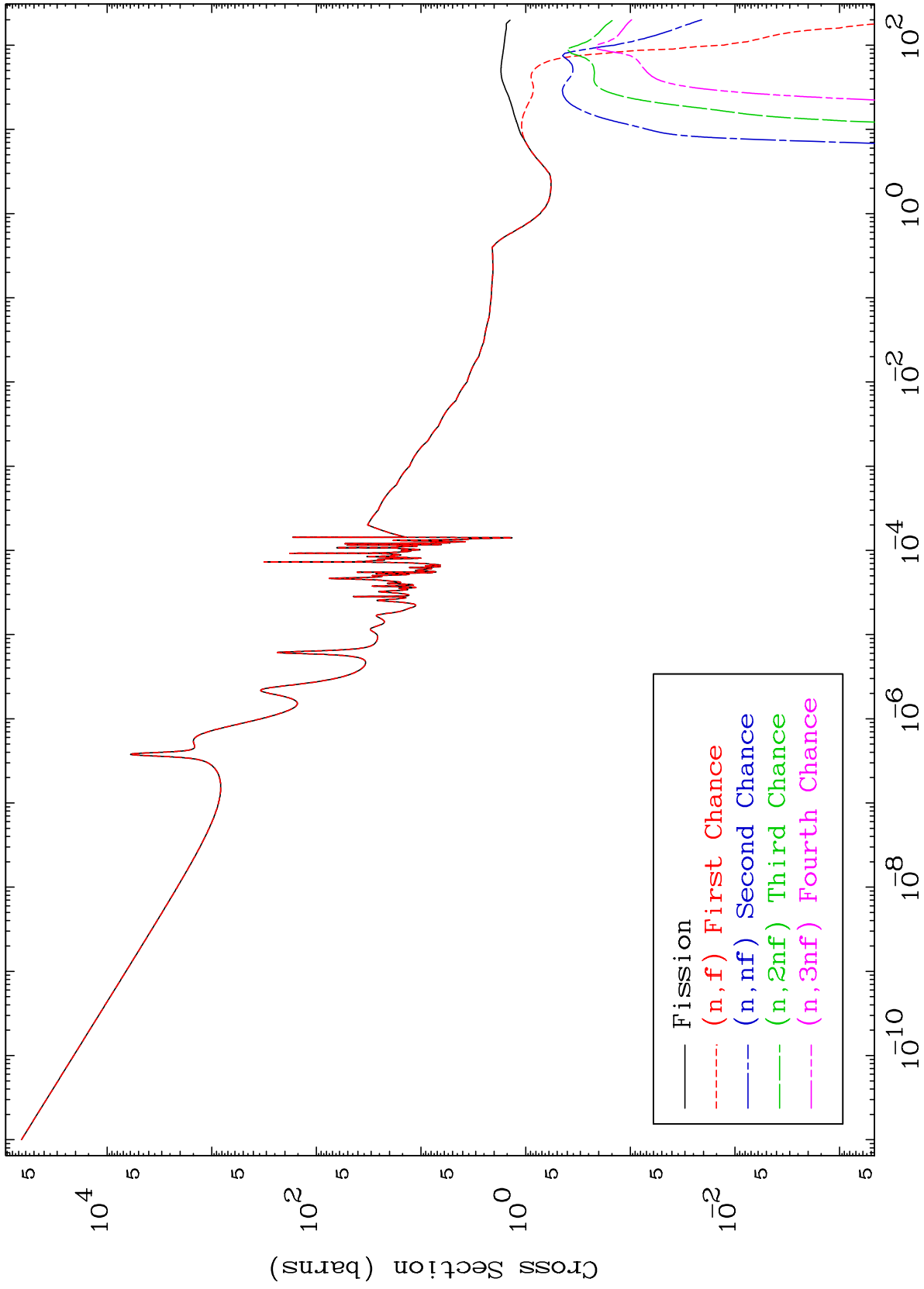


99-Es-254

MAT 9919

Fission  
293 Kelvin Cross Sections

99-Es-254

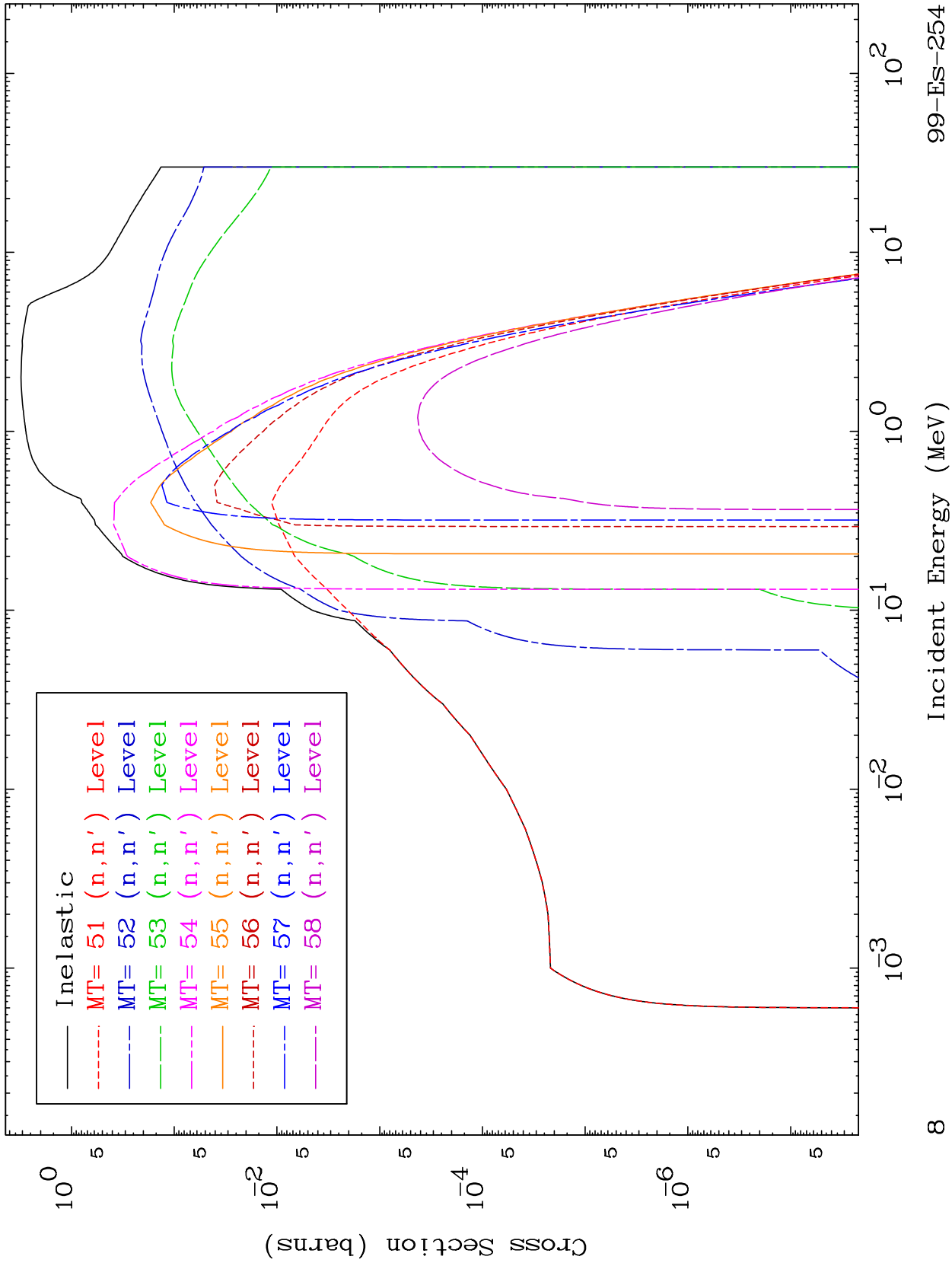




MAT 9919

293 Kelvin Cross Sections

99-Es-254

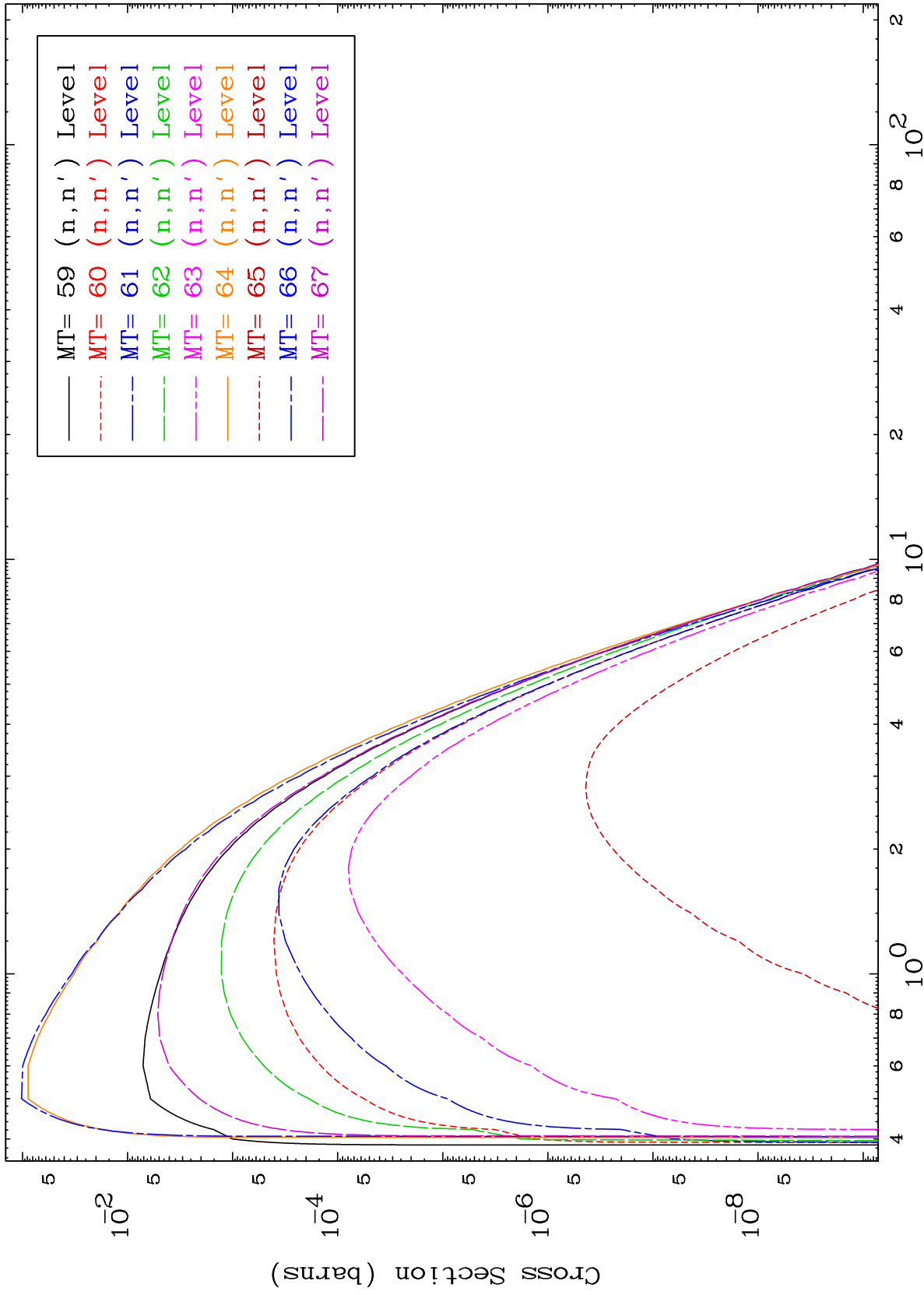


MAT 9919

(n,n') Level

99-Es-254

293 Kelvin Cross Sections



9

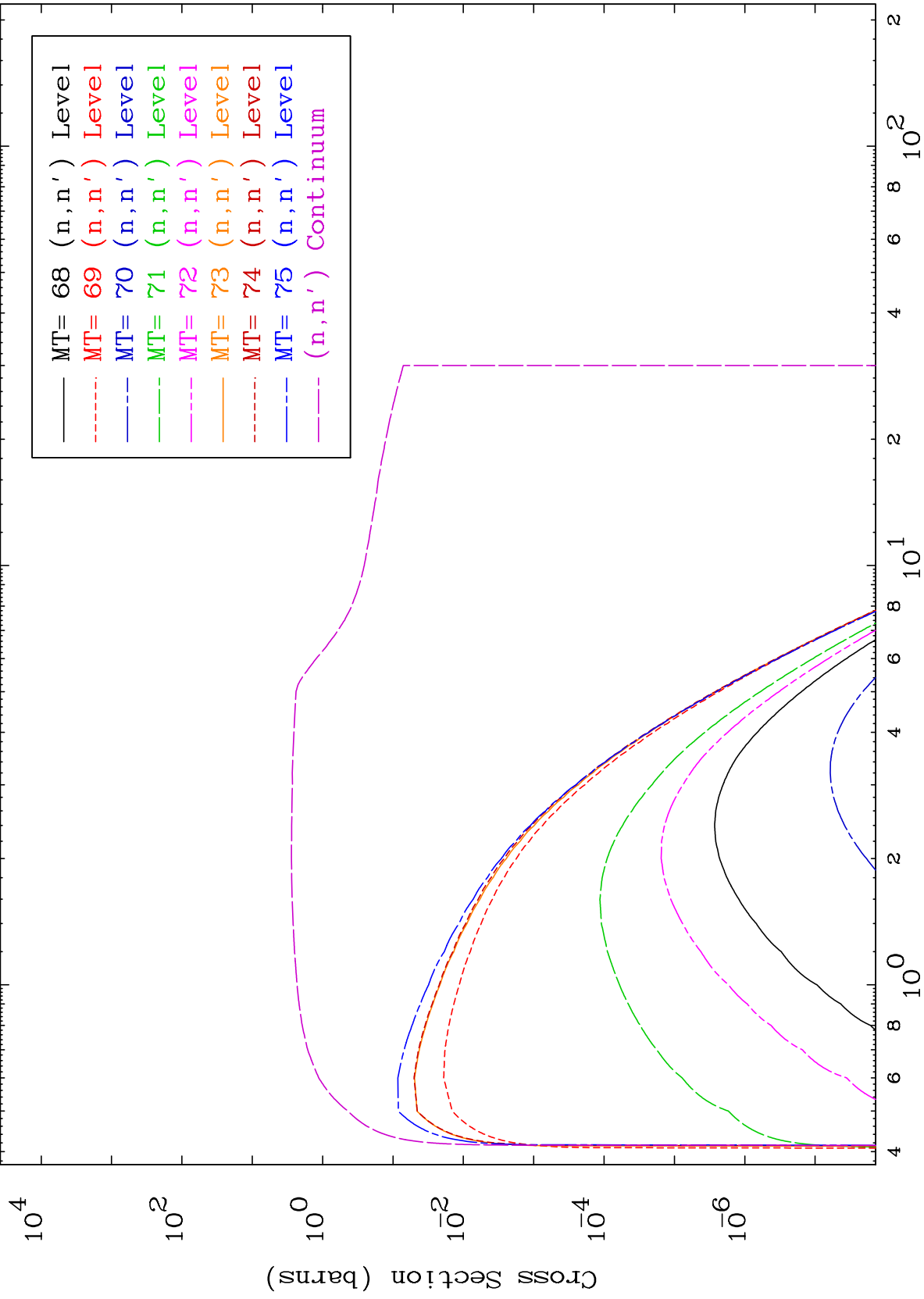
Incident Energy (MeV)

99-Es-254

MAT 9919

(n,n') Level  
293 Kelvin Cross Sections

99-Es-254



10

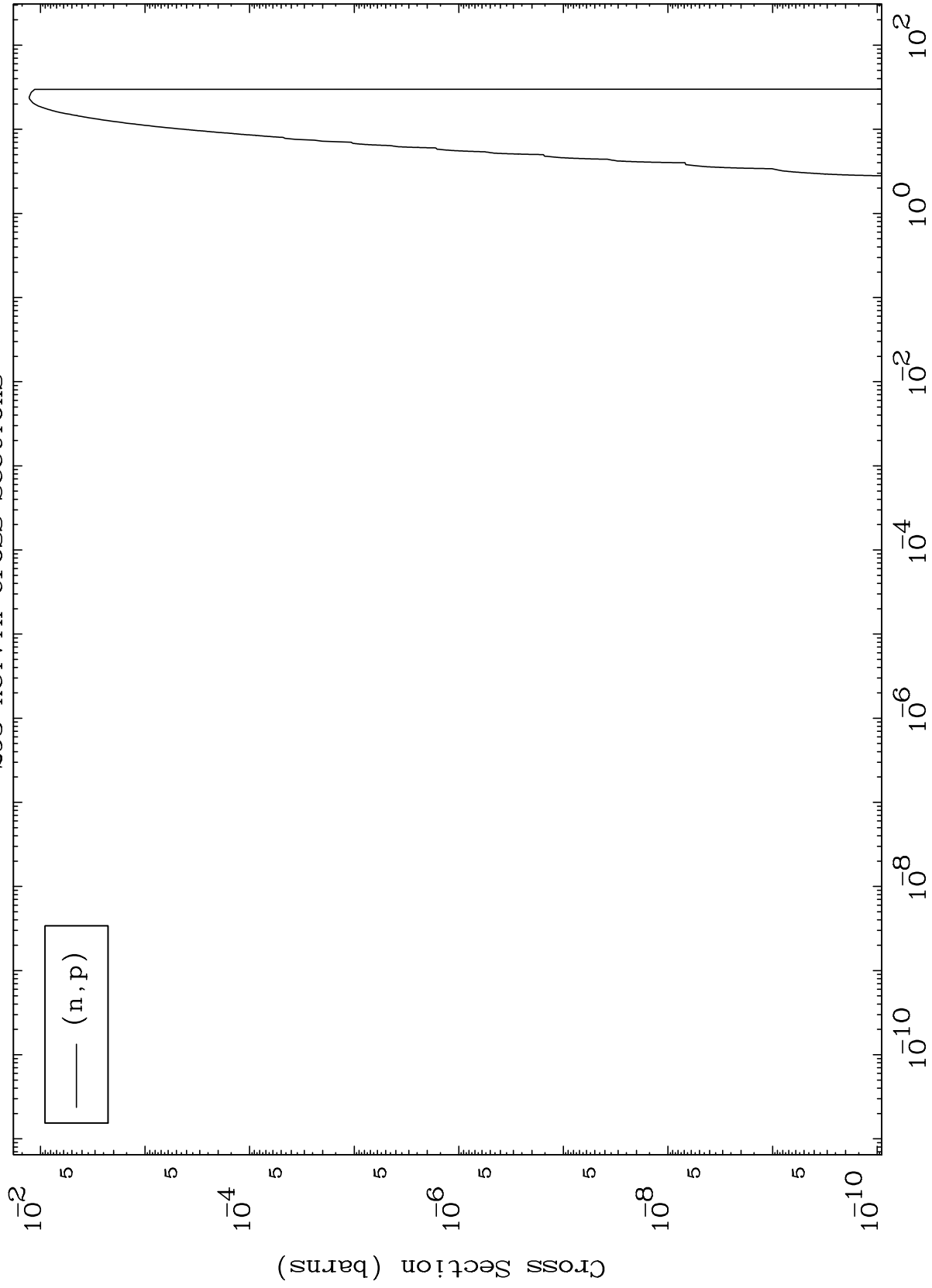
Incident Energy (MeV)

99-Es-254

MAT 9919

(n,p) Levels  
293 Kelvin Cross Sections

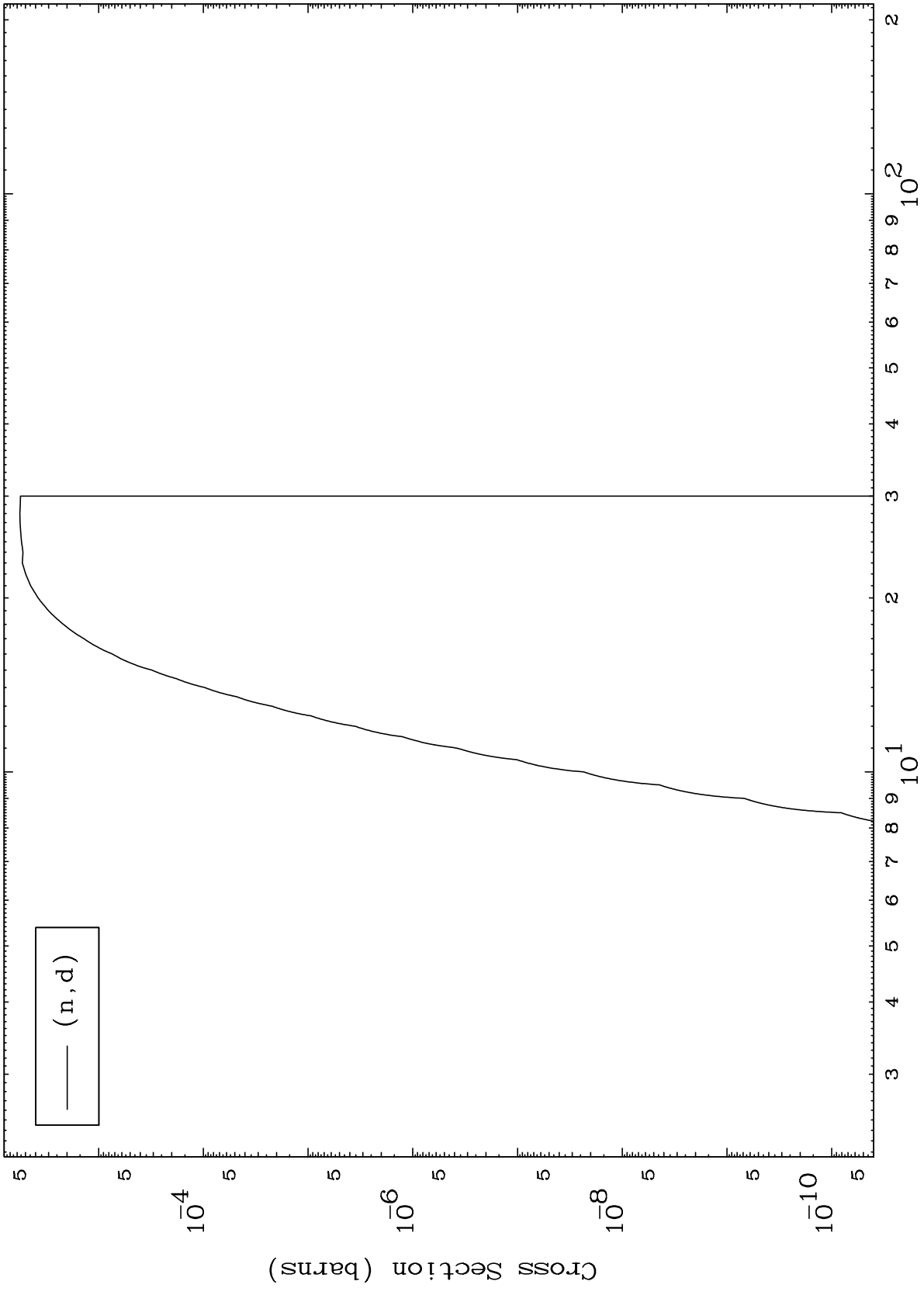
99-Es-254



MAT 9919

(n,d) Levels  
293 Kelvin Cross Sections

99-Es-254



12

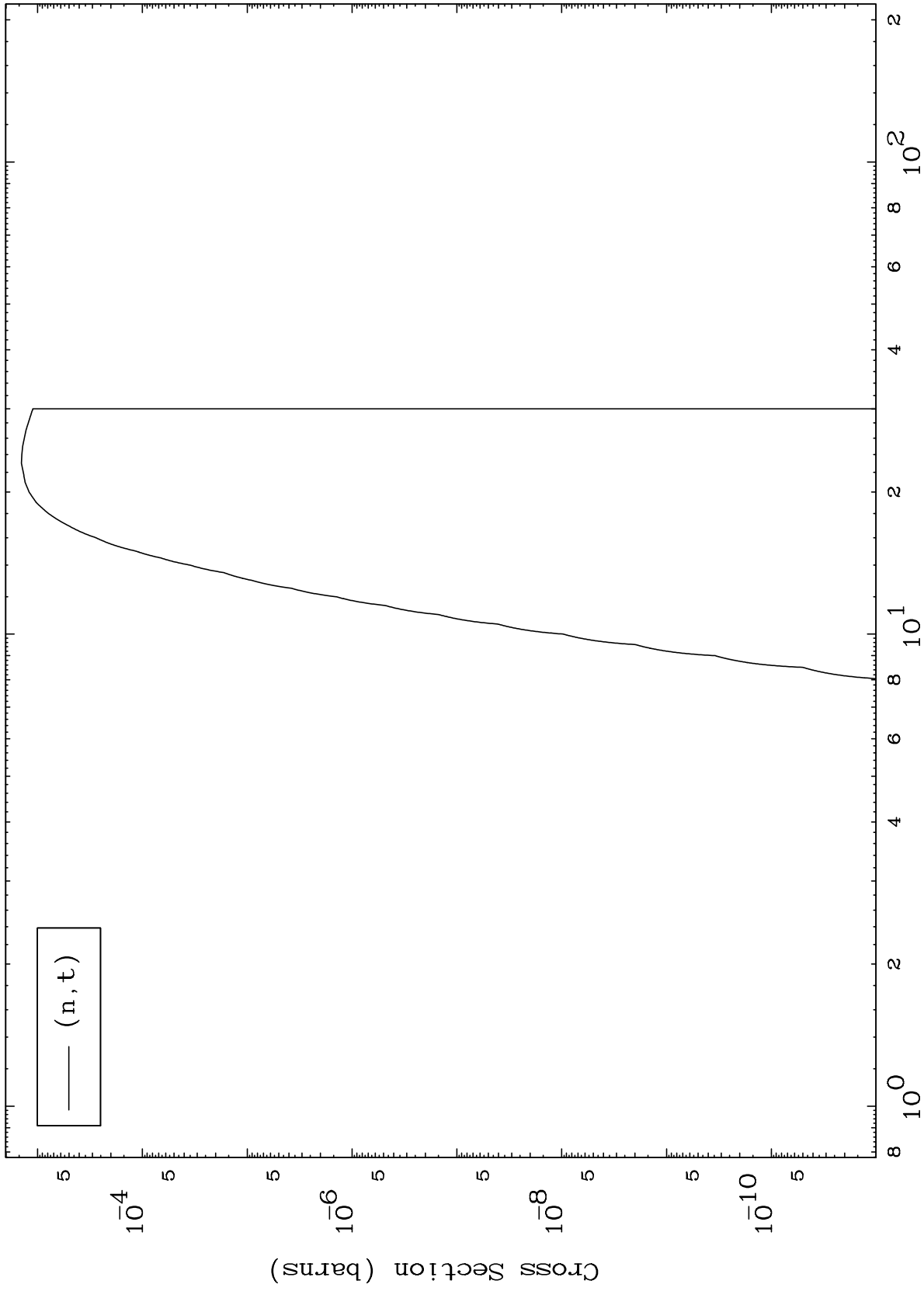
Incident Energy (MeV)

99-Es-254

MAT 9919

(n,t) Levels  
293 Kelvin Cross Sections

99-Es-254



13

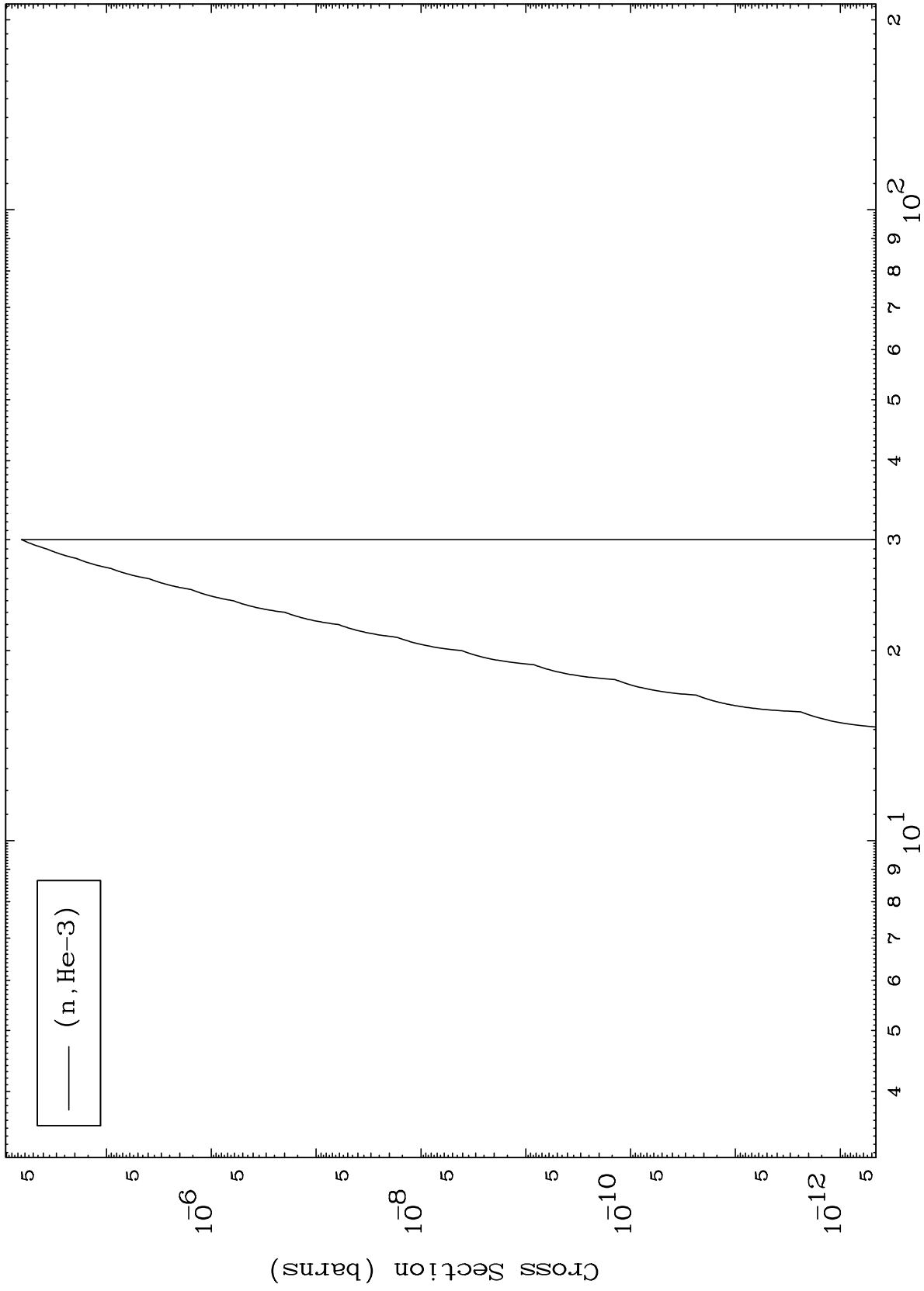
Incident Energy (MeV)

99-Es-254

MAT 9919

(n,He3) Levels  
293 Kelvin Cross Sections

99-Es-254



14

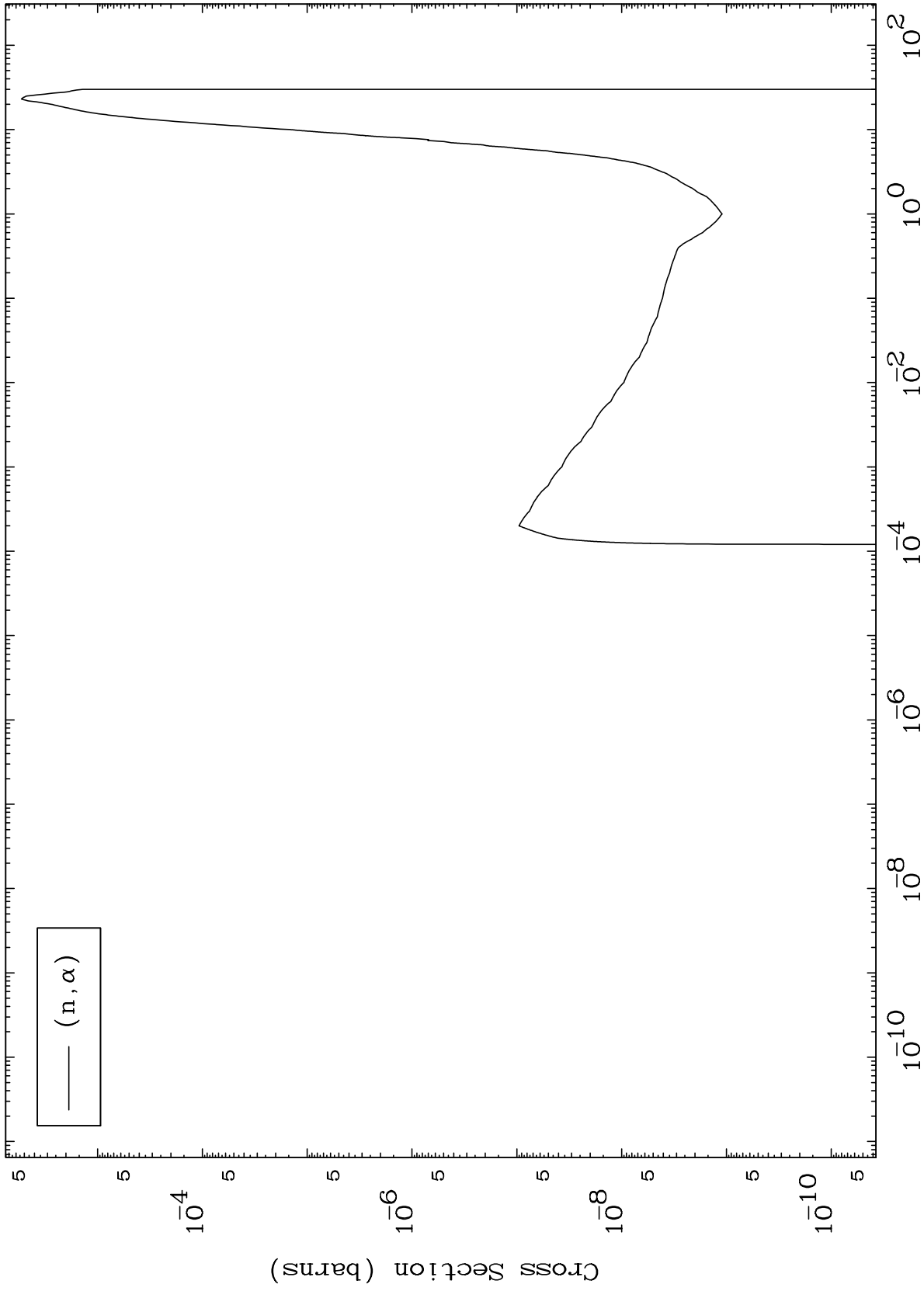
Incident Energy (MeV)

99-Es-254

MAT 9919

(n,α) Levels  
293 Kelvin Cross Sections

99-Es-254

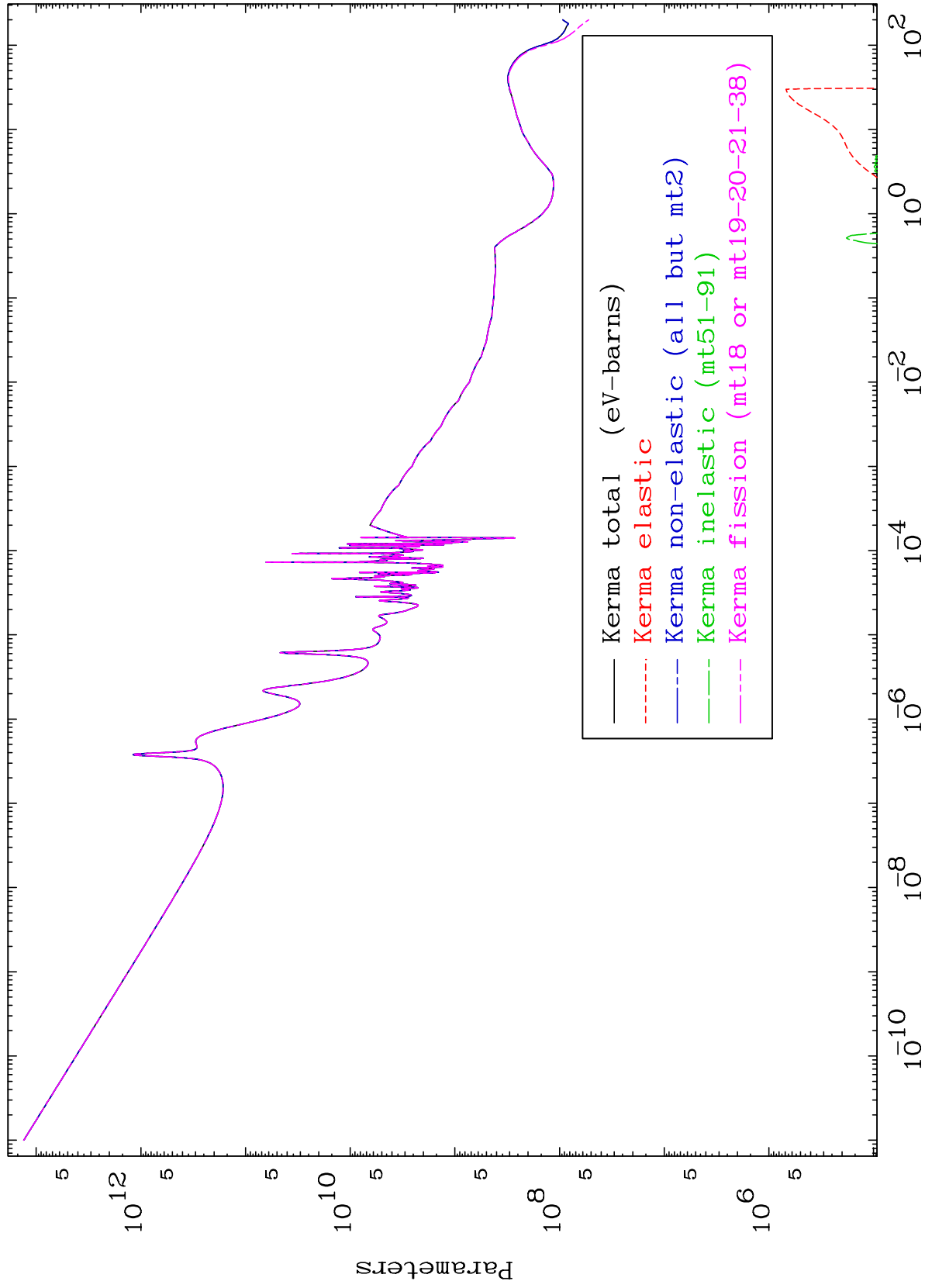


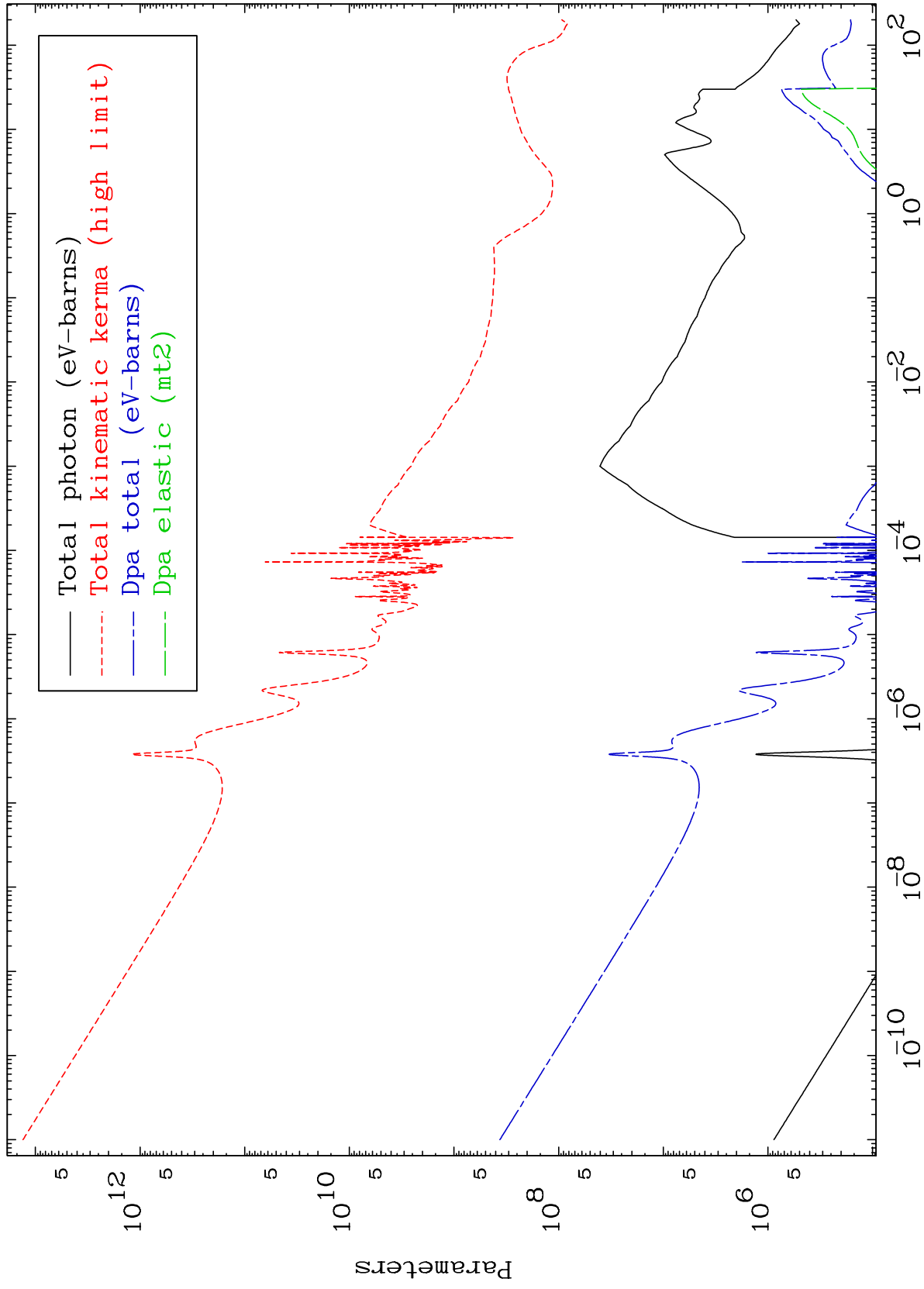
15

Incident Energy (MeV)

99-Es-254



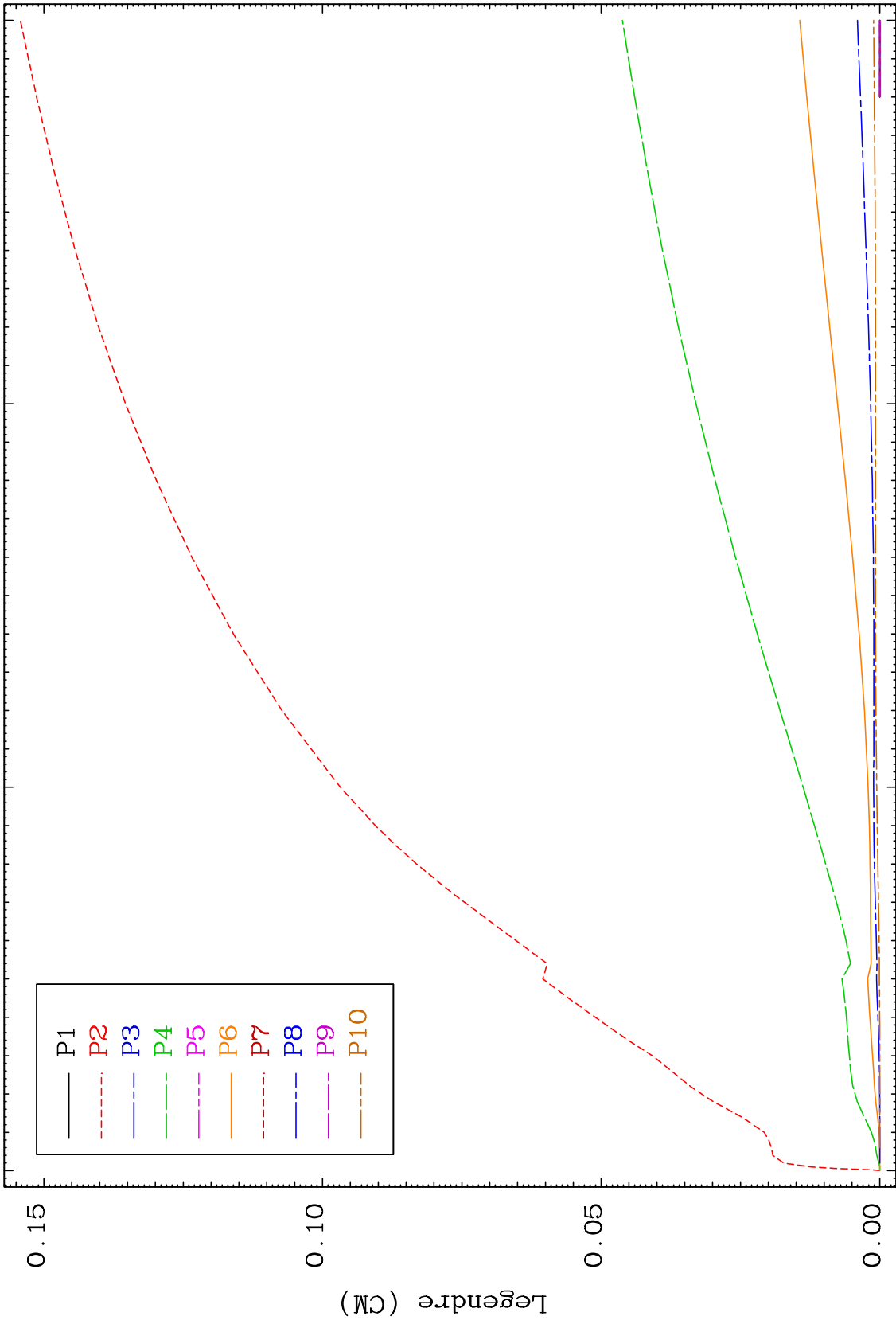




MAT 9919

Elastic Legendre Coefficients

99-Es-254

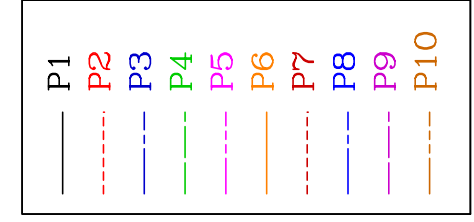


18

Incident Energy (MeV)

99-Es-254

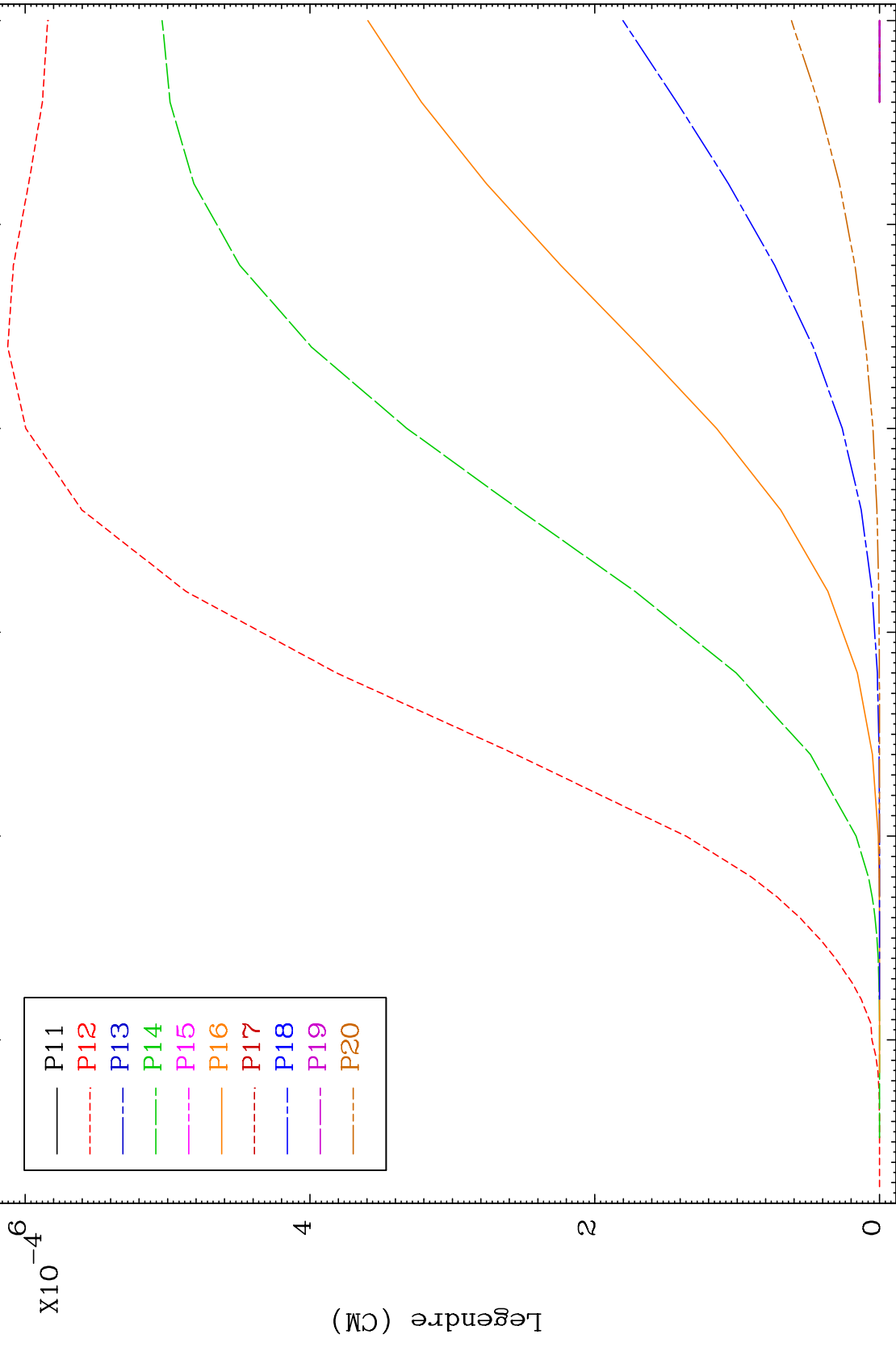
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MAT 9919

Elastic Legendre Coefficients

99-Es-254



19

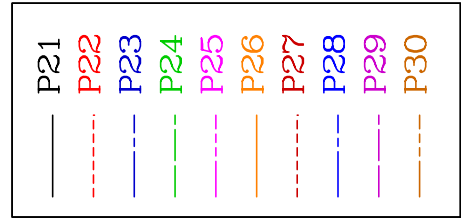
Incident Energy (MeV)

99-Es-254

MAT 9919

Elastic Legendre Coefficients

99-Es-254



$\times 10^{-5}$

Legendre (CM)

1.0

0.5

0.0

10

15

20

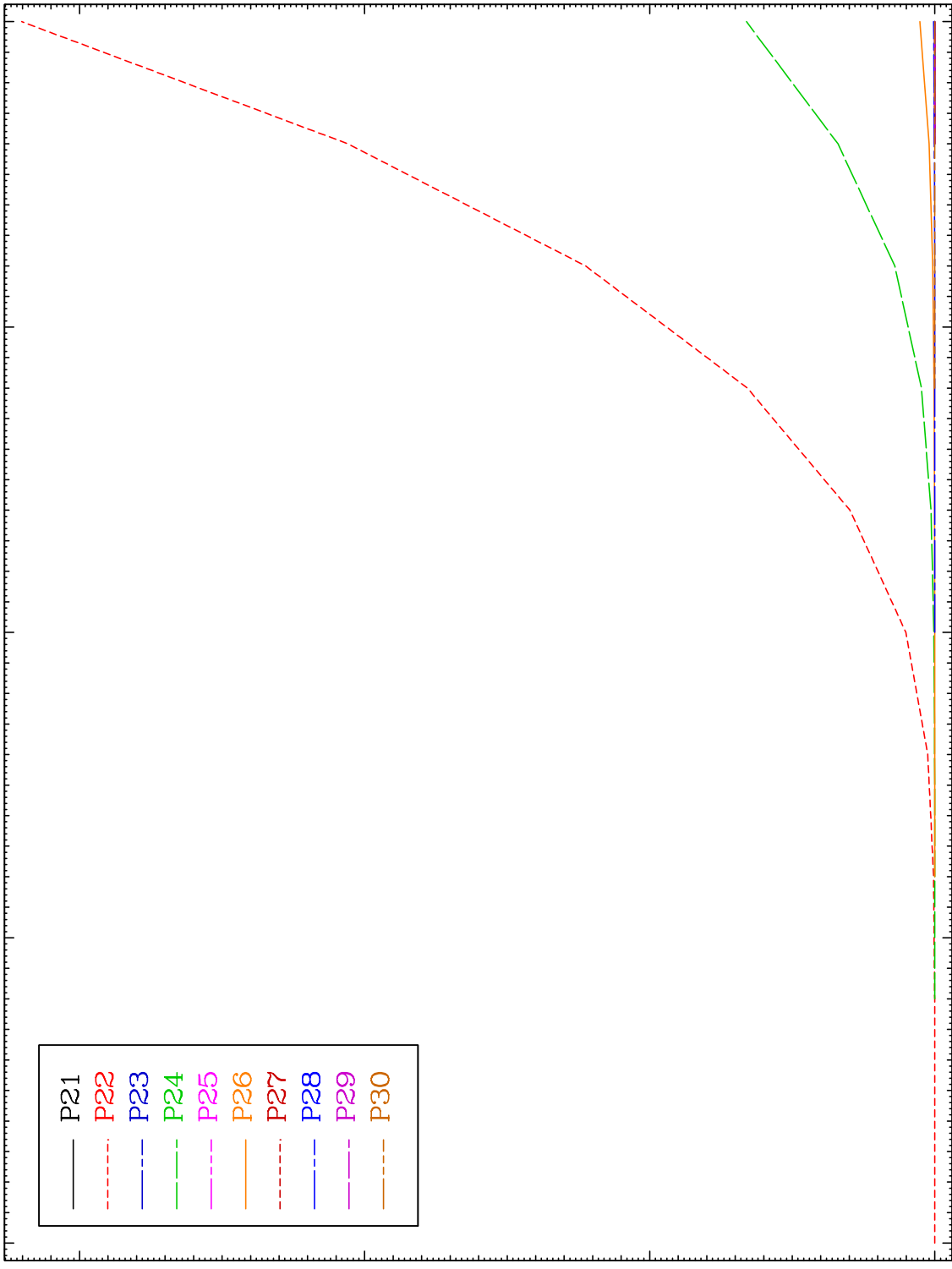
25

30

20

Incident Energy (MeV)

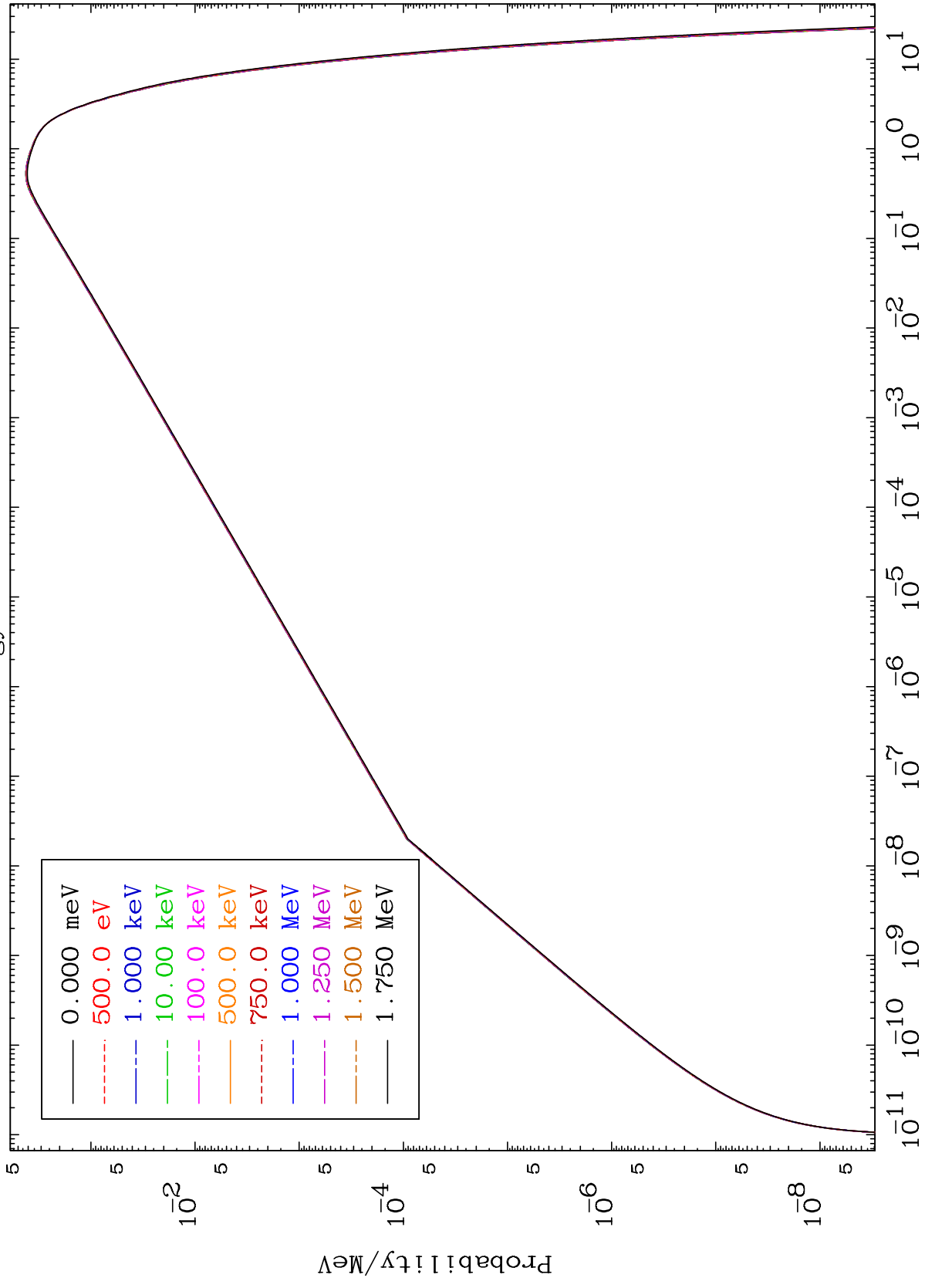
99-Es-254



MAT 9919

### Fission Energy Distribution

99-Es-254

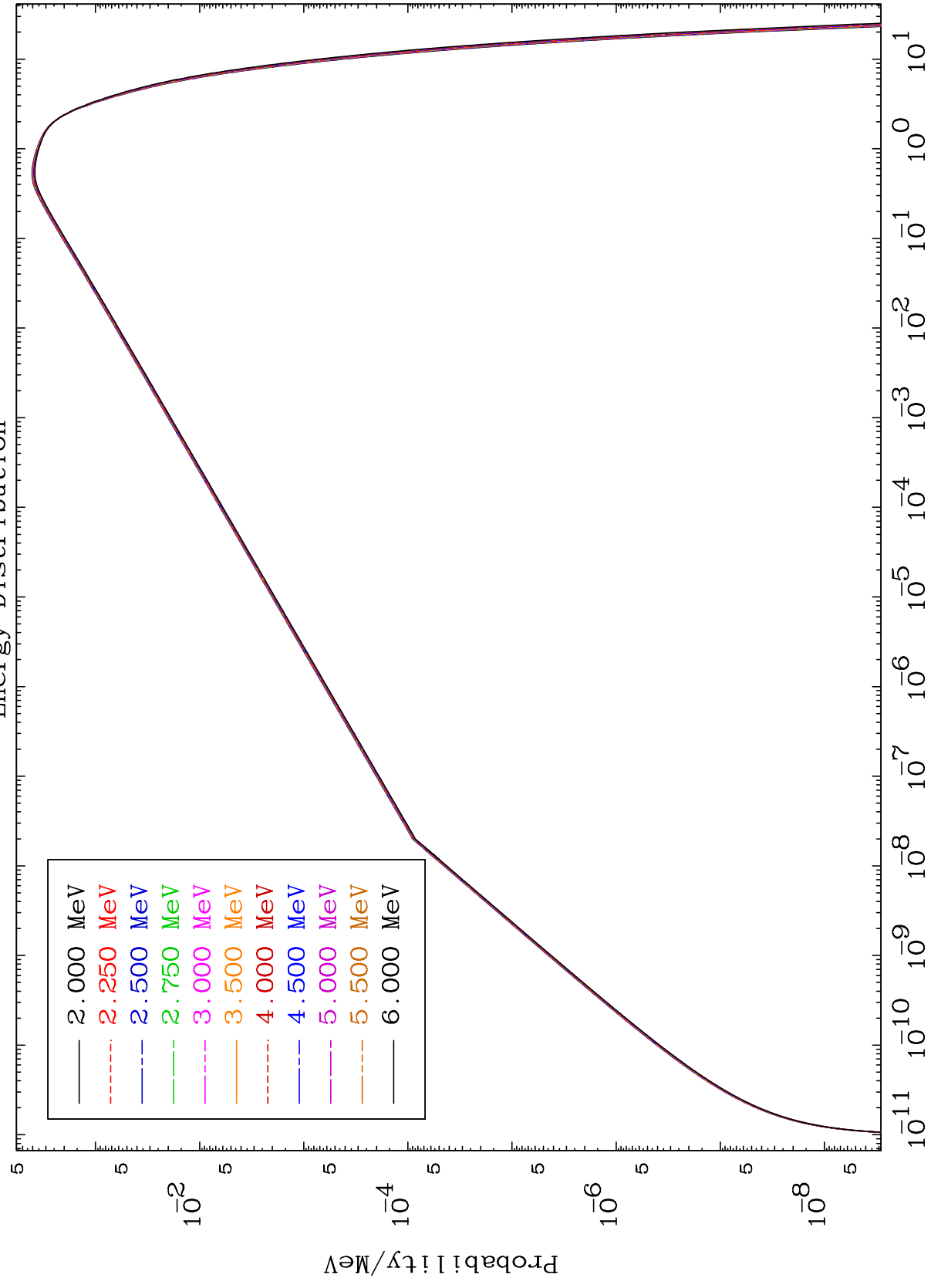


99-Es-254

MAT 9919

### Fission Energy Distribution

99-Es-254

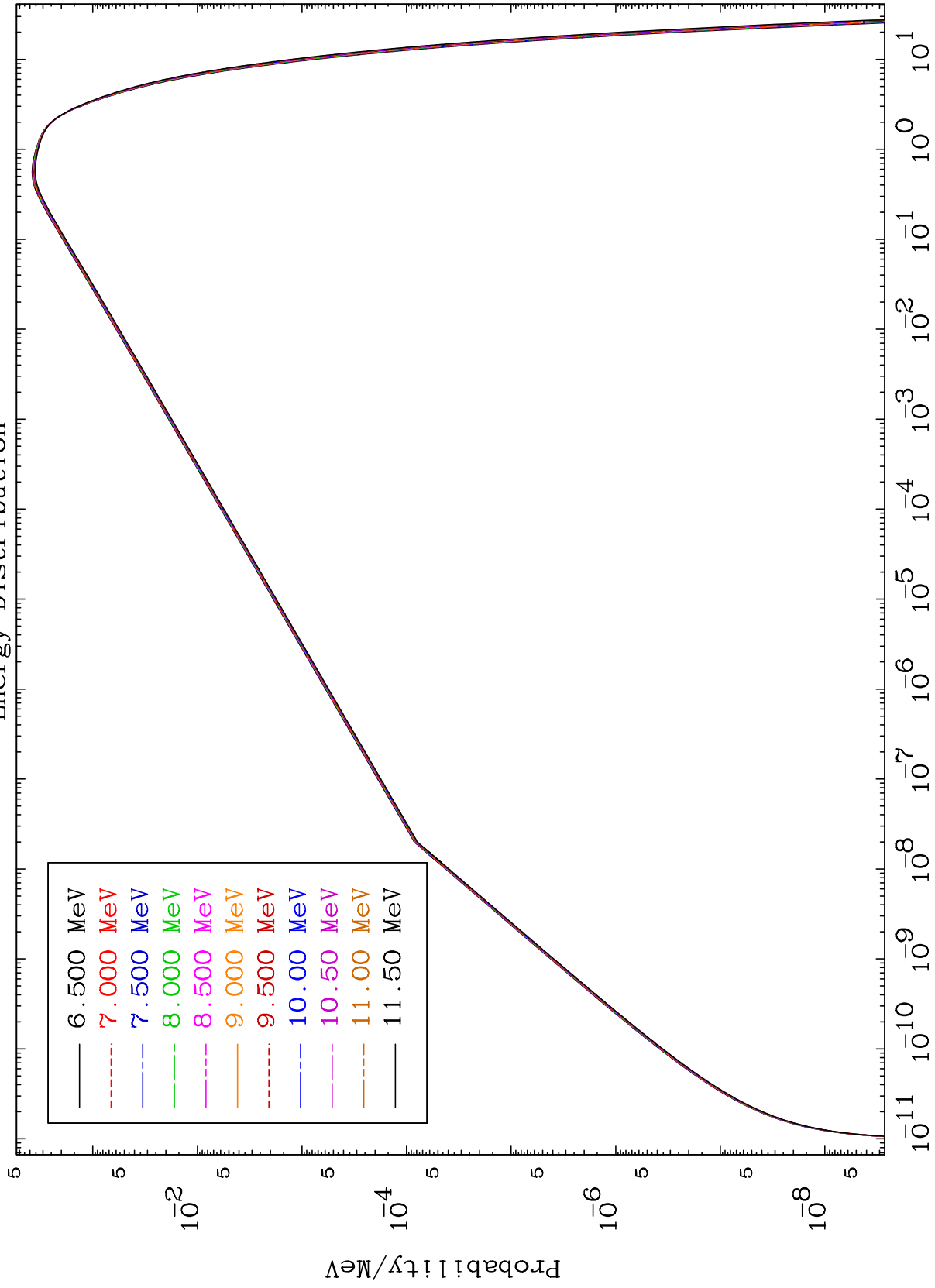


99-Es-254

MAT 9919

### Fission Energy Distribution

99-Es-254



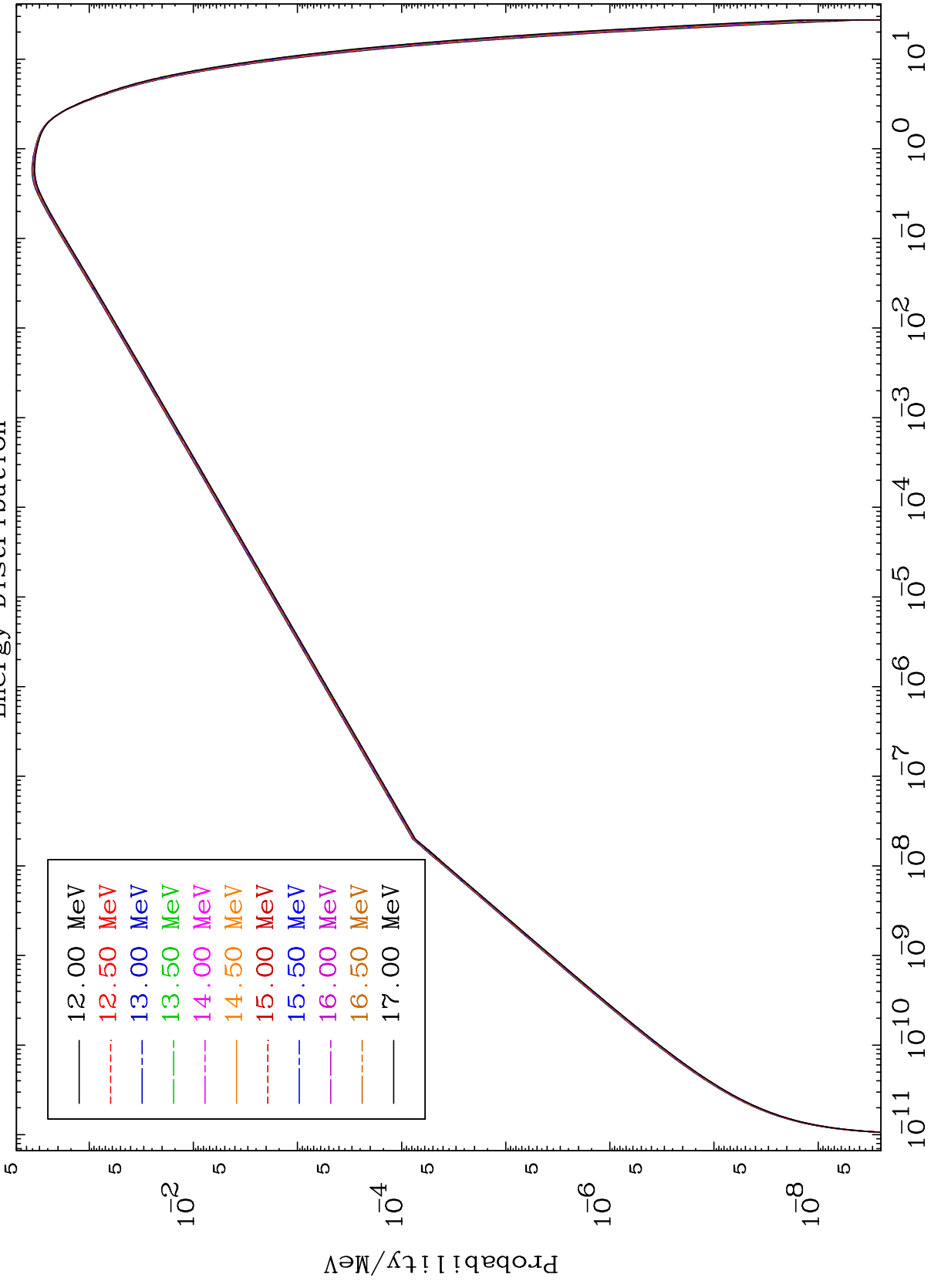
99-Es-254



MAT 9919

### Fission Energy Distribution

99-Es-254

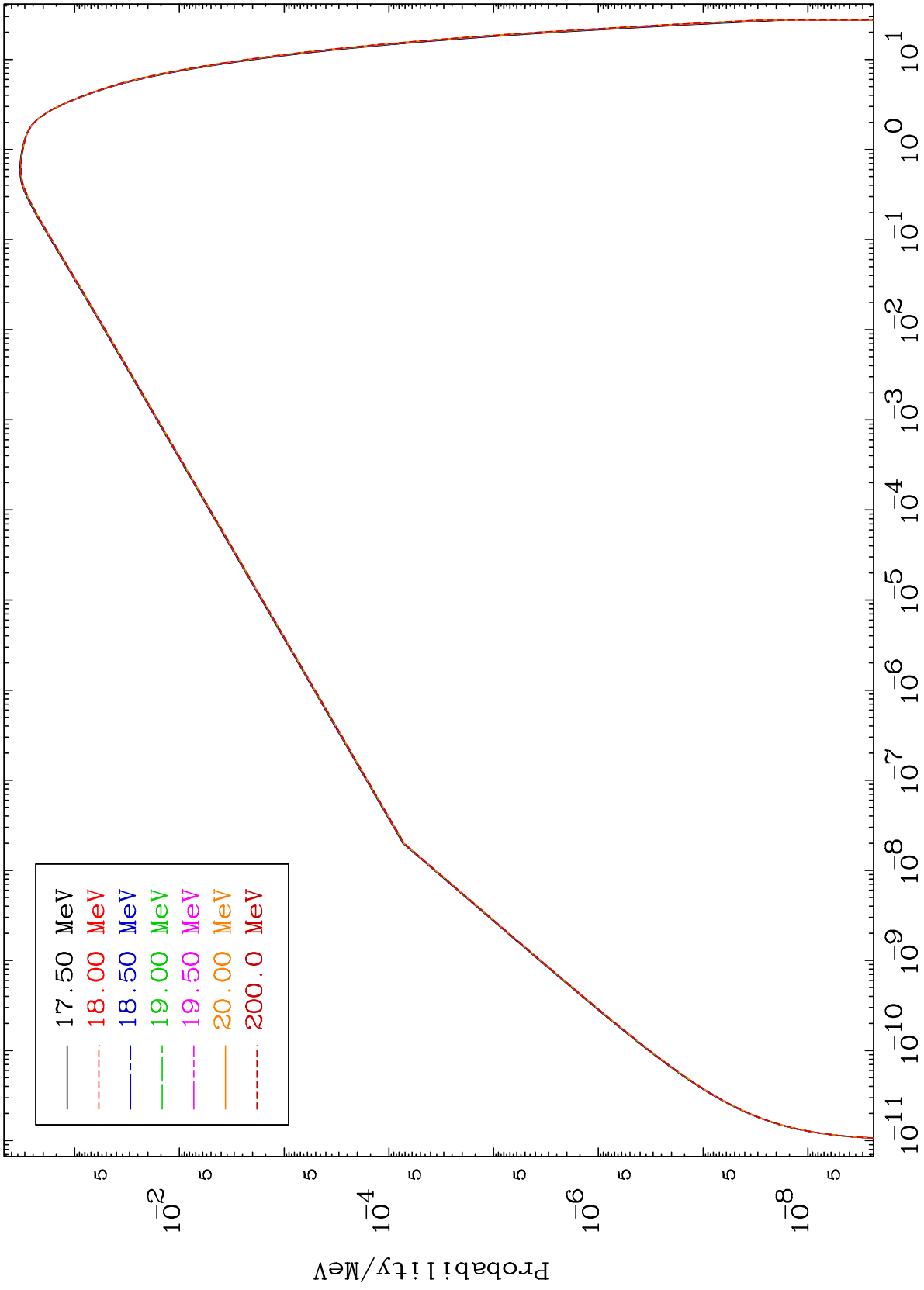


99-Es-254

MAT 9919

# Fission Energy Distribution

99-Es-254



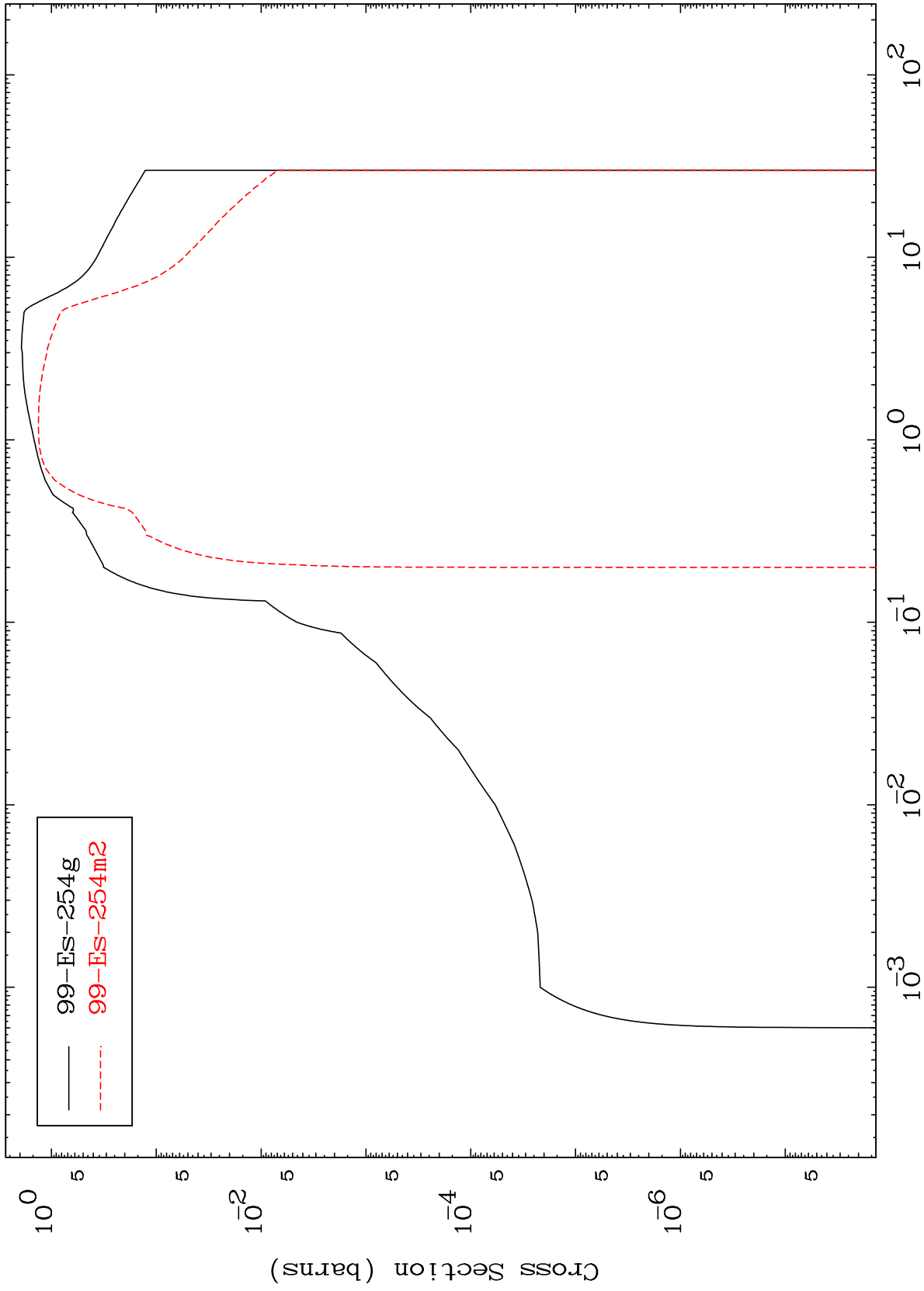
25

99-Es-254

MAT 9919

99-Es-254

Inelastic  
Radionuclide Production Cross Section



26

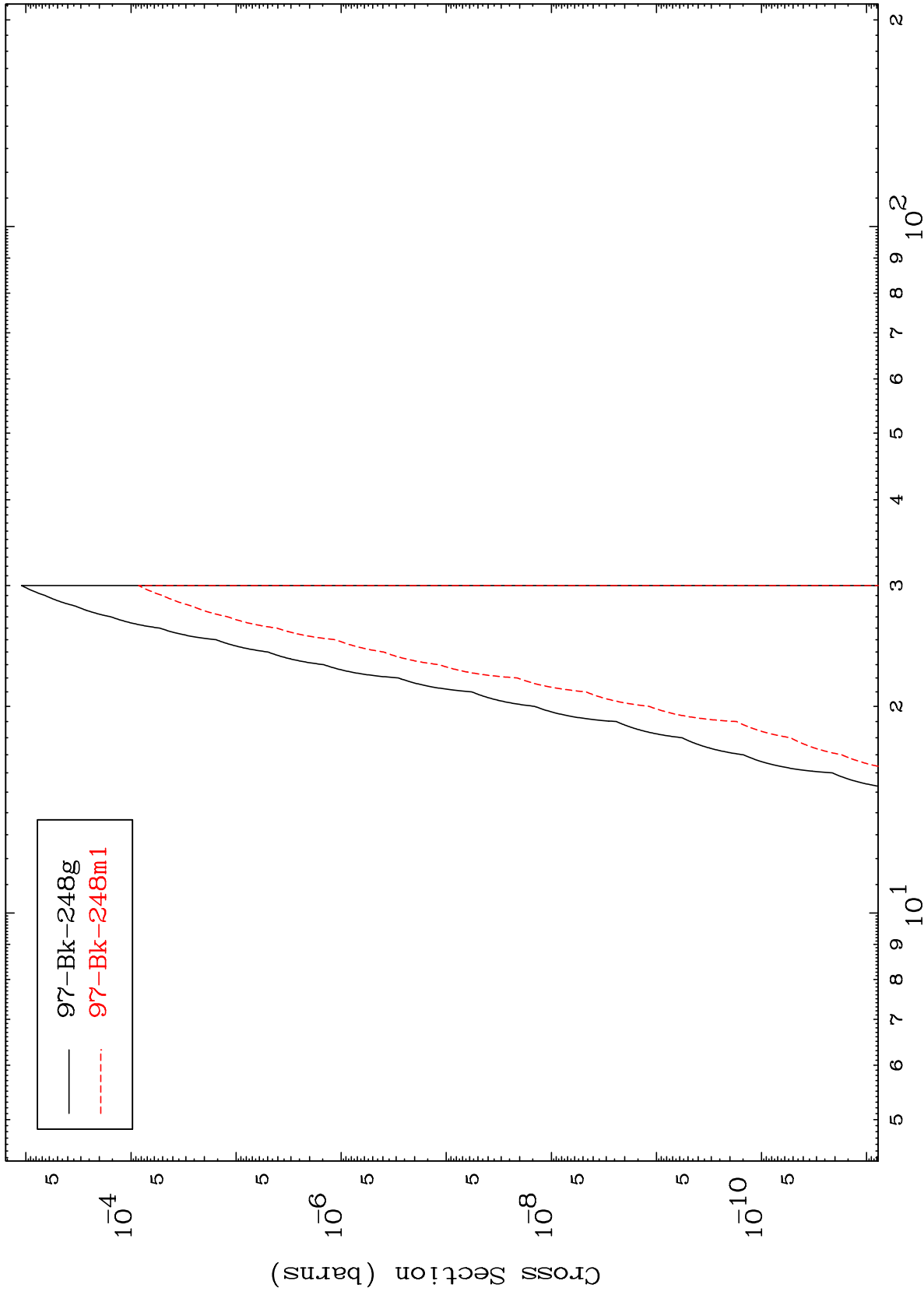
99-Es-254

MAT 9919

(n,3n)  $\alpha$

99-Es-254

Radionuclide Production Cross Section



97-Bk-248g  
97-Bk-248m1

27

Incident Energy (MeV)

99-Es-254