

Program EVALPLOT  
(Version 2015-2)

by

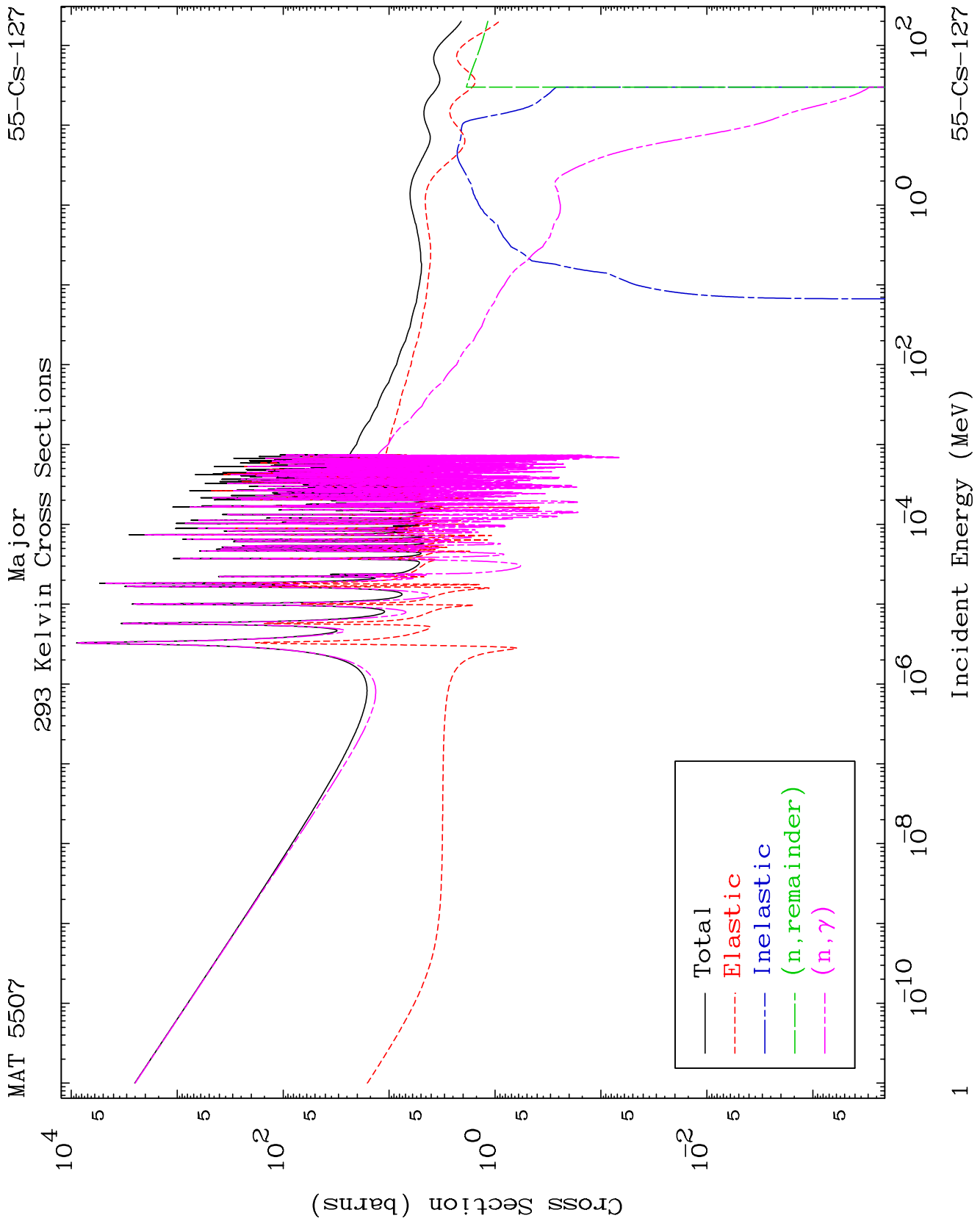
Dermott E. Cullen  
(Present Contact Information)

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

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

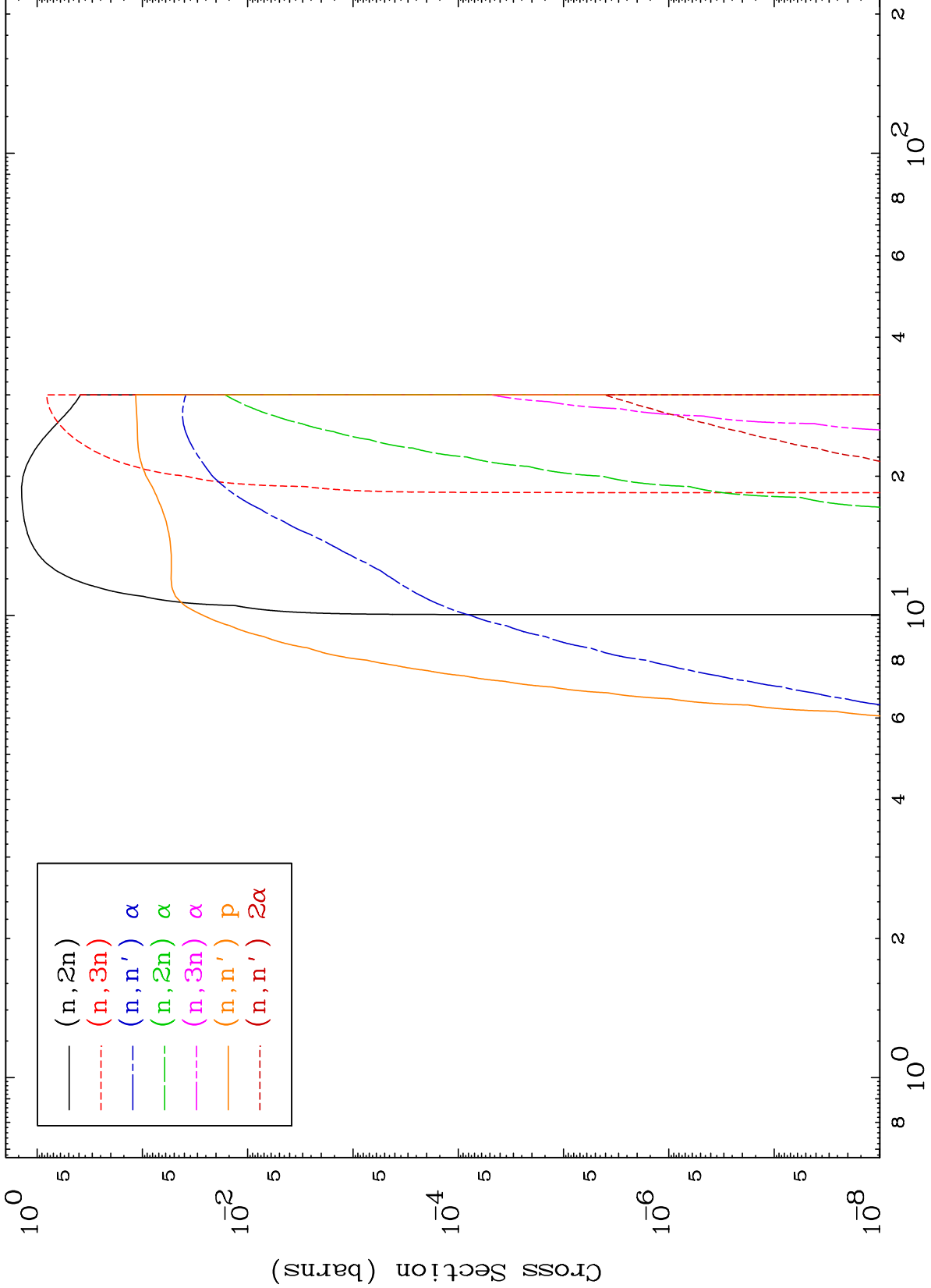
Press Mouse Button to Start



MAT 5507

Neutron Production  
293 Kelvin Cross Sections

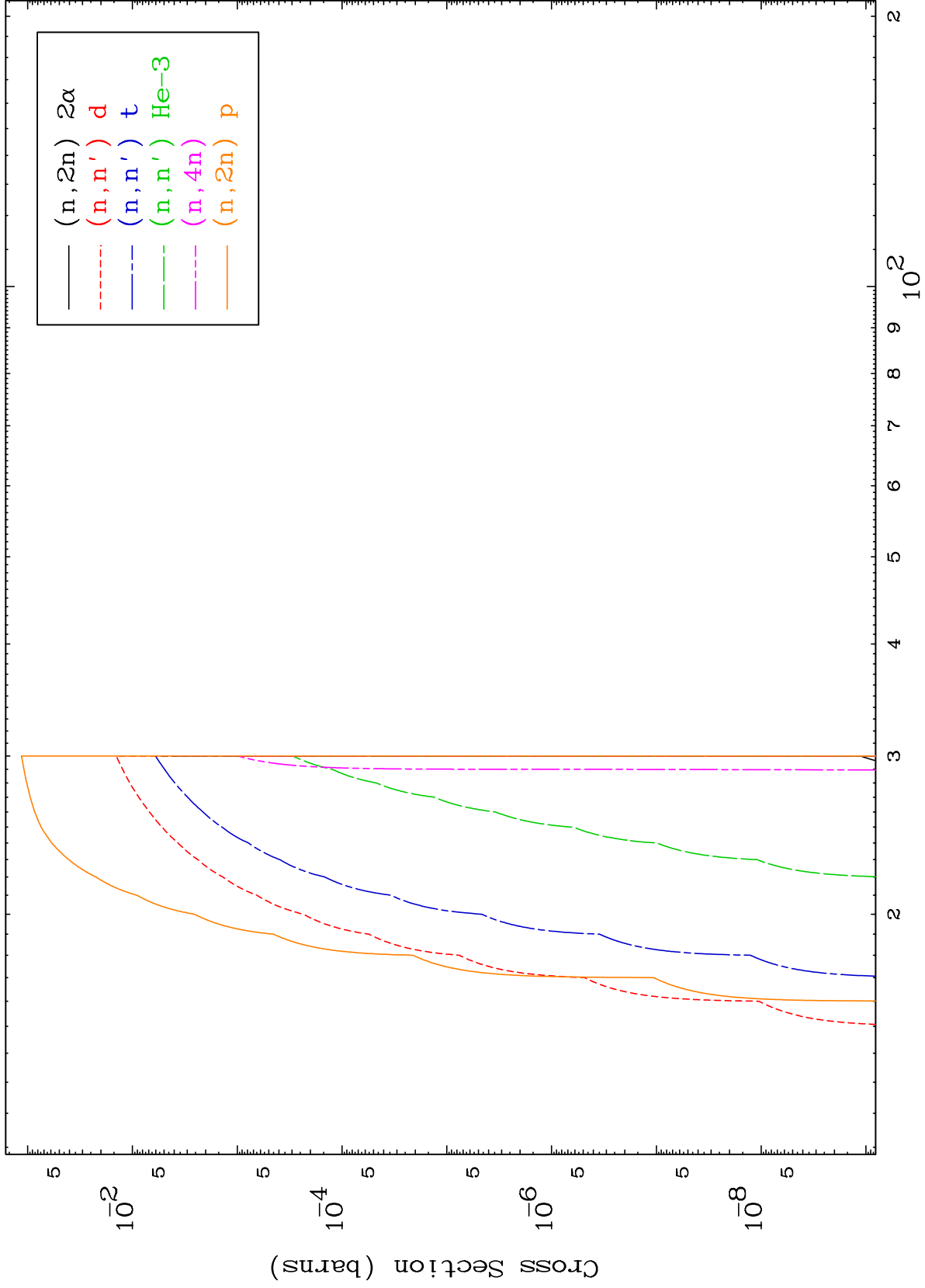
55-Cs-127



55-Cs-127

Incident Energy (MeV)

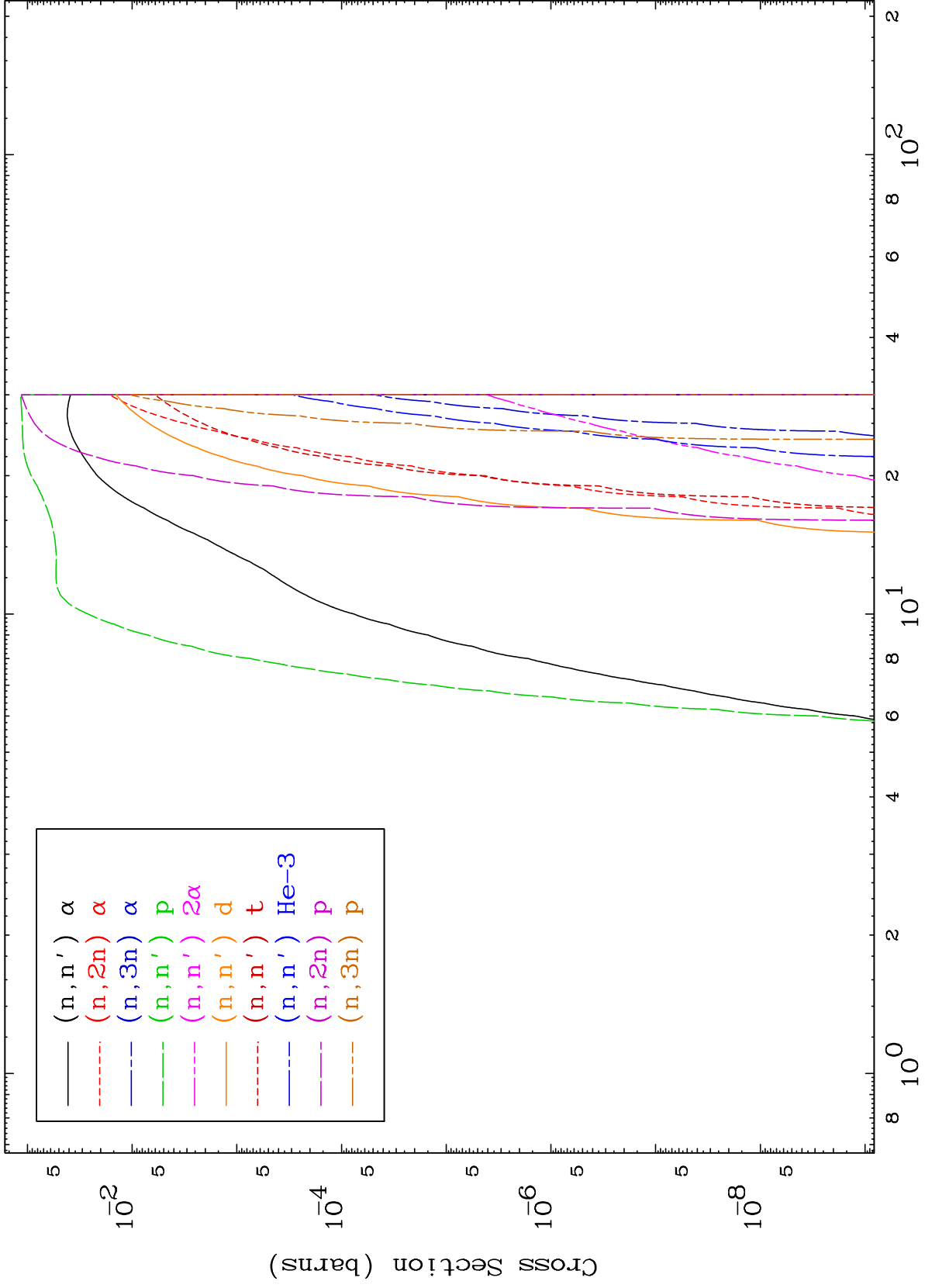
2



MAT 5507

Charged Particle  
293 Kelvin Cross Sections

55-Cs-127



4

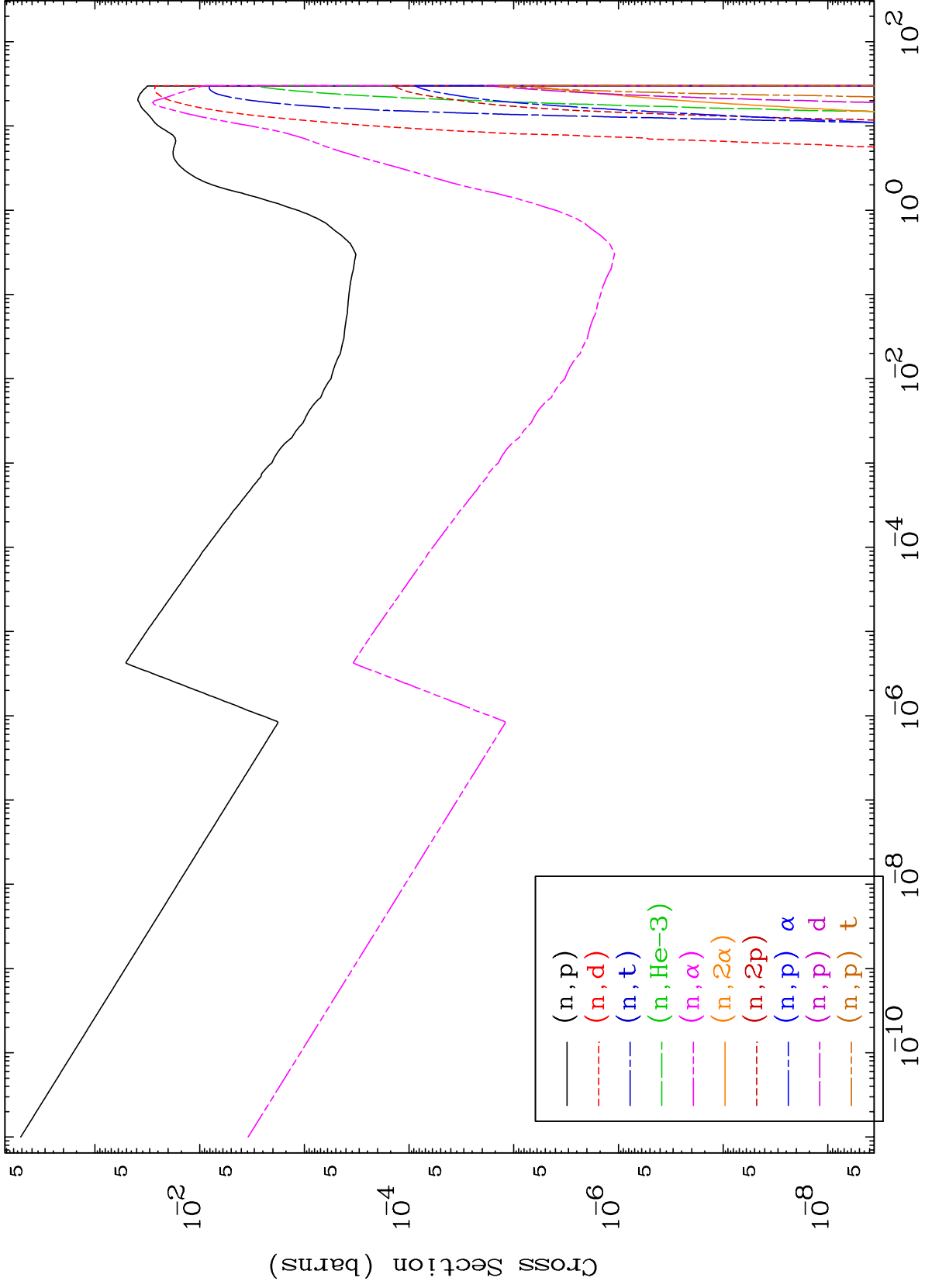
Incident Energy (MeV)

55-Cs-127

MAT 5507

Charged Particle  
293 Kelvin Cross Sections

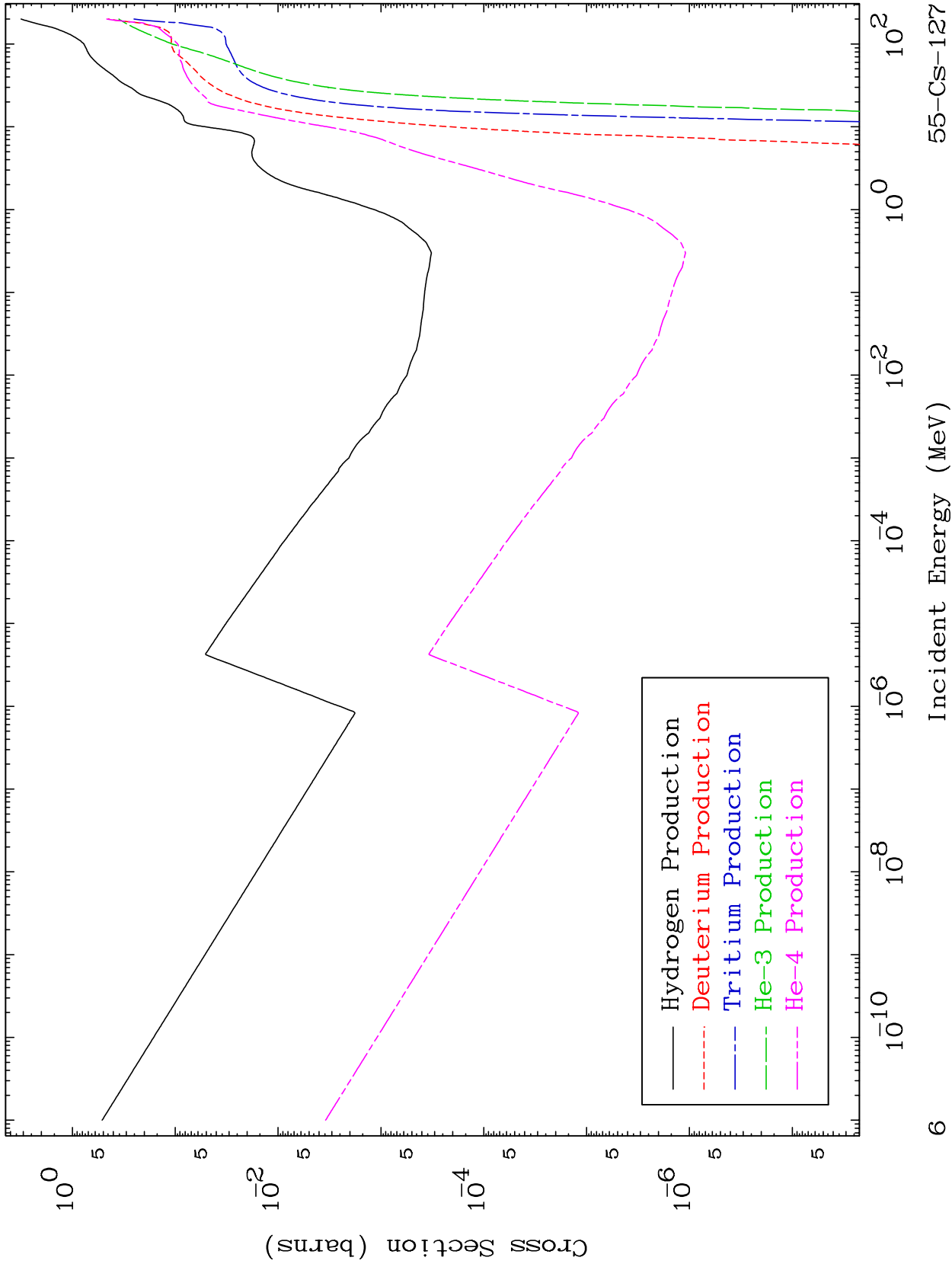
55-Cs-127



MAT 5507

Particle Production  
293 Kelvin Cross Sections

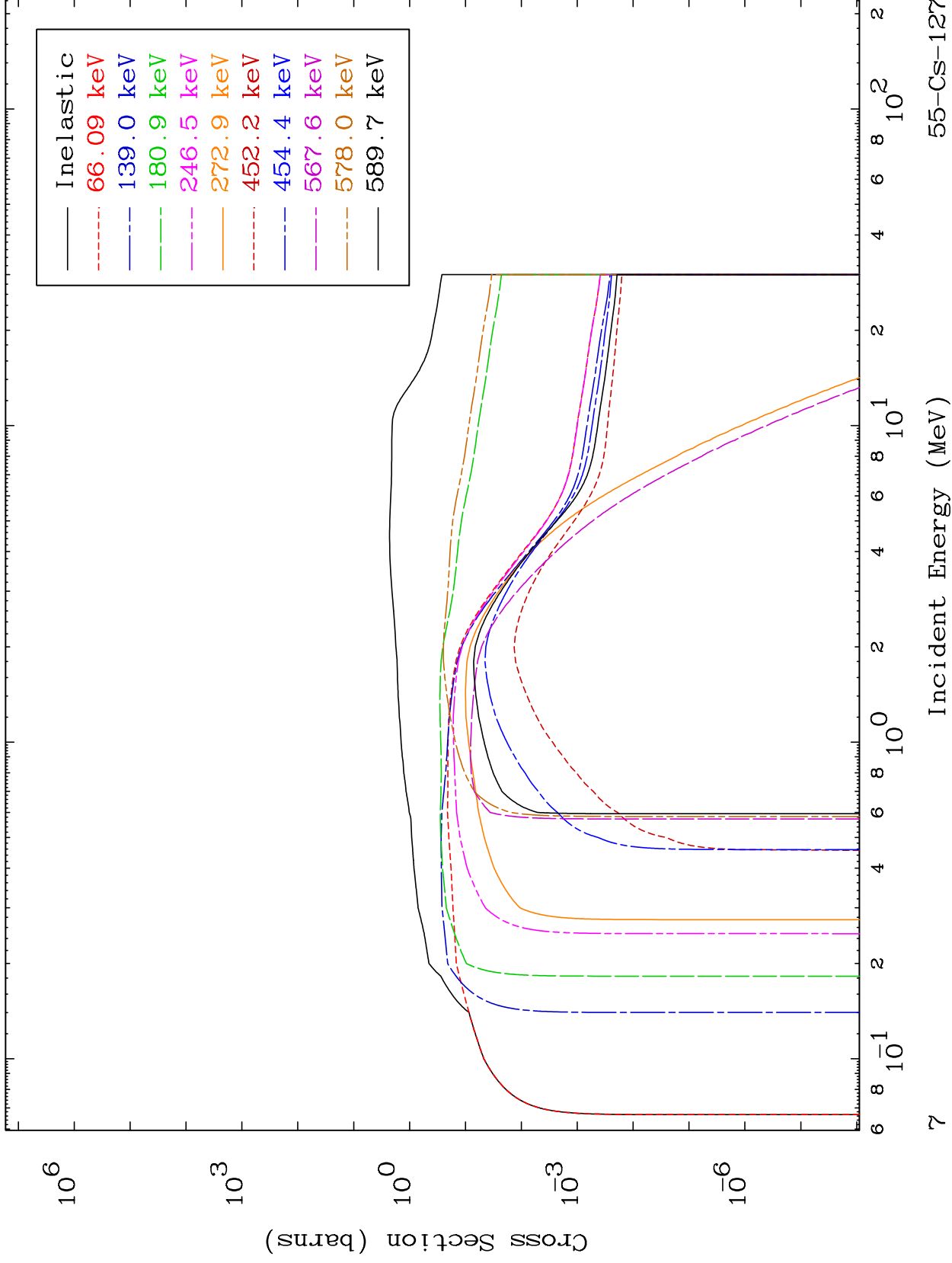
55-Cs-127



MAT 5507

(n,n') Level  
293 Kelvin Cross Sections

55-Cs-127

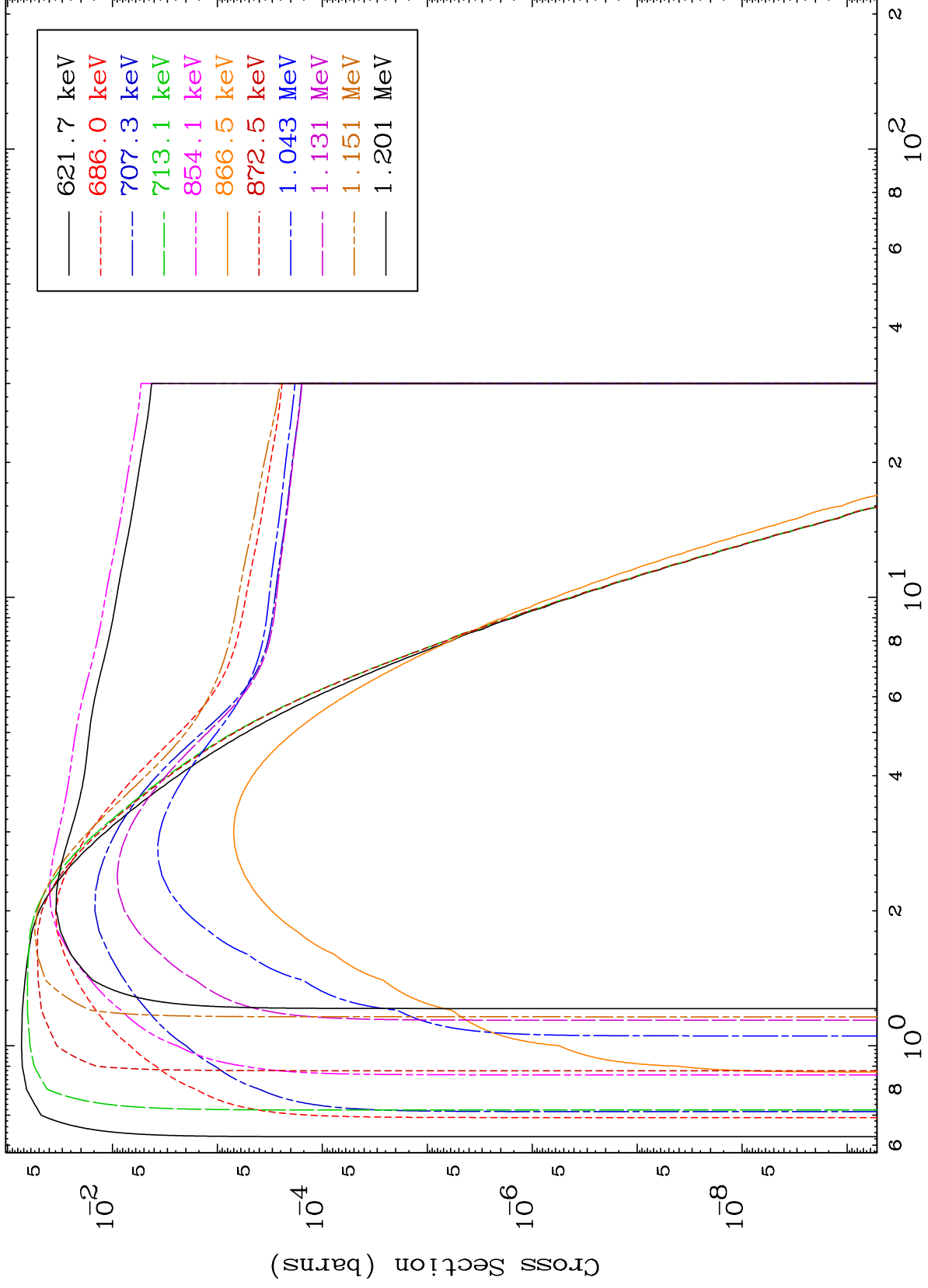




MAT 5507

(n,n') Level  
293 Kelvin Cross Sections

55-Cs-127



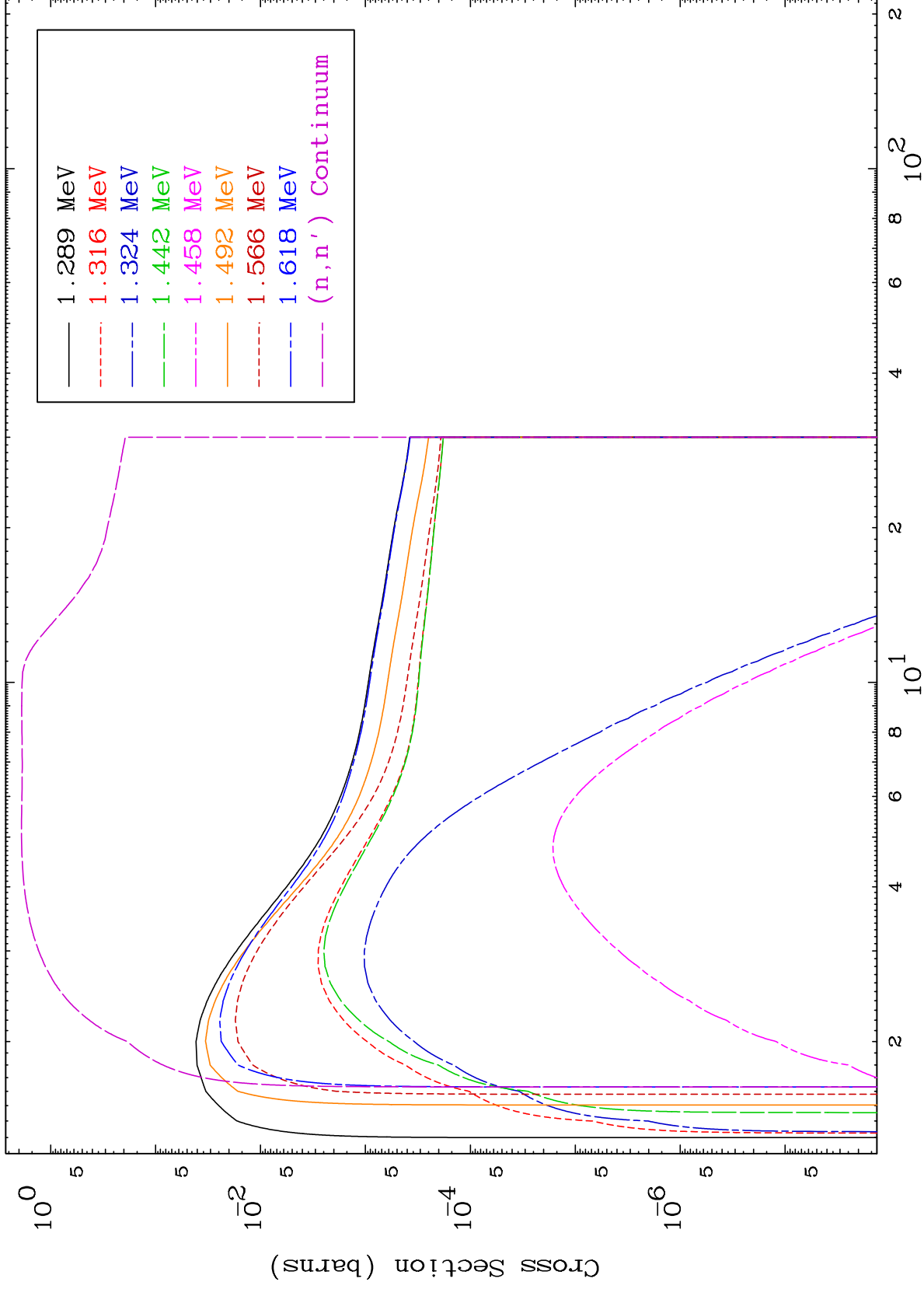
Incident Energy (MeV)

55-Cs-127

MAT 5507

(n,n') Level  
293 Kelvin Cross Sections

55-Cs-127



9

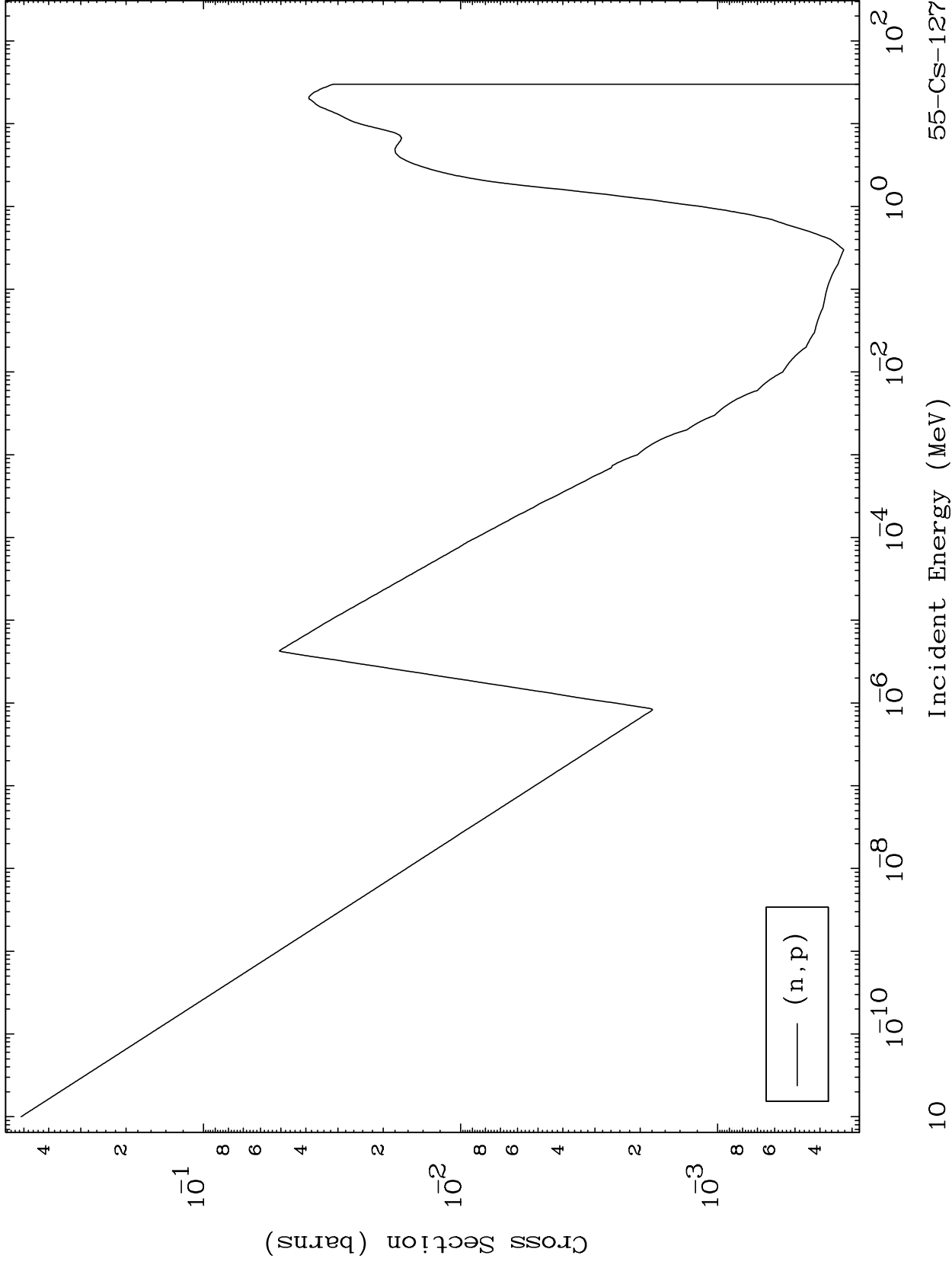
Incident Energy (MeV)

55-Cs-127

MAT 5507

(n,p) Levels  
293 Kelvin Cross Sections

55-Cs-127



10

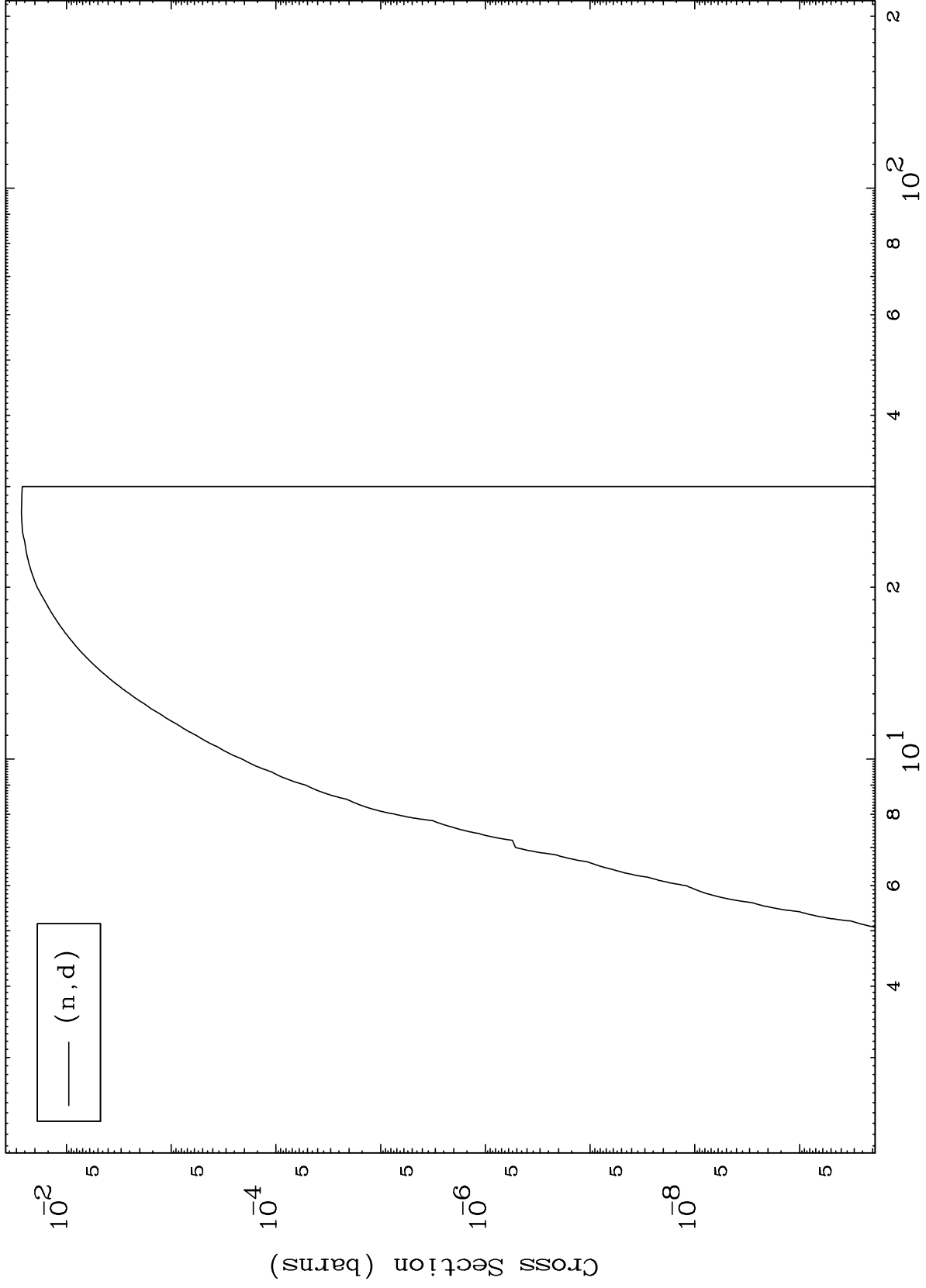
Incident Energy (MeV)

55-Cs-127

MAT 5507

(n,d) Levels  
293 Kelvin Cross Sections

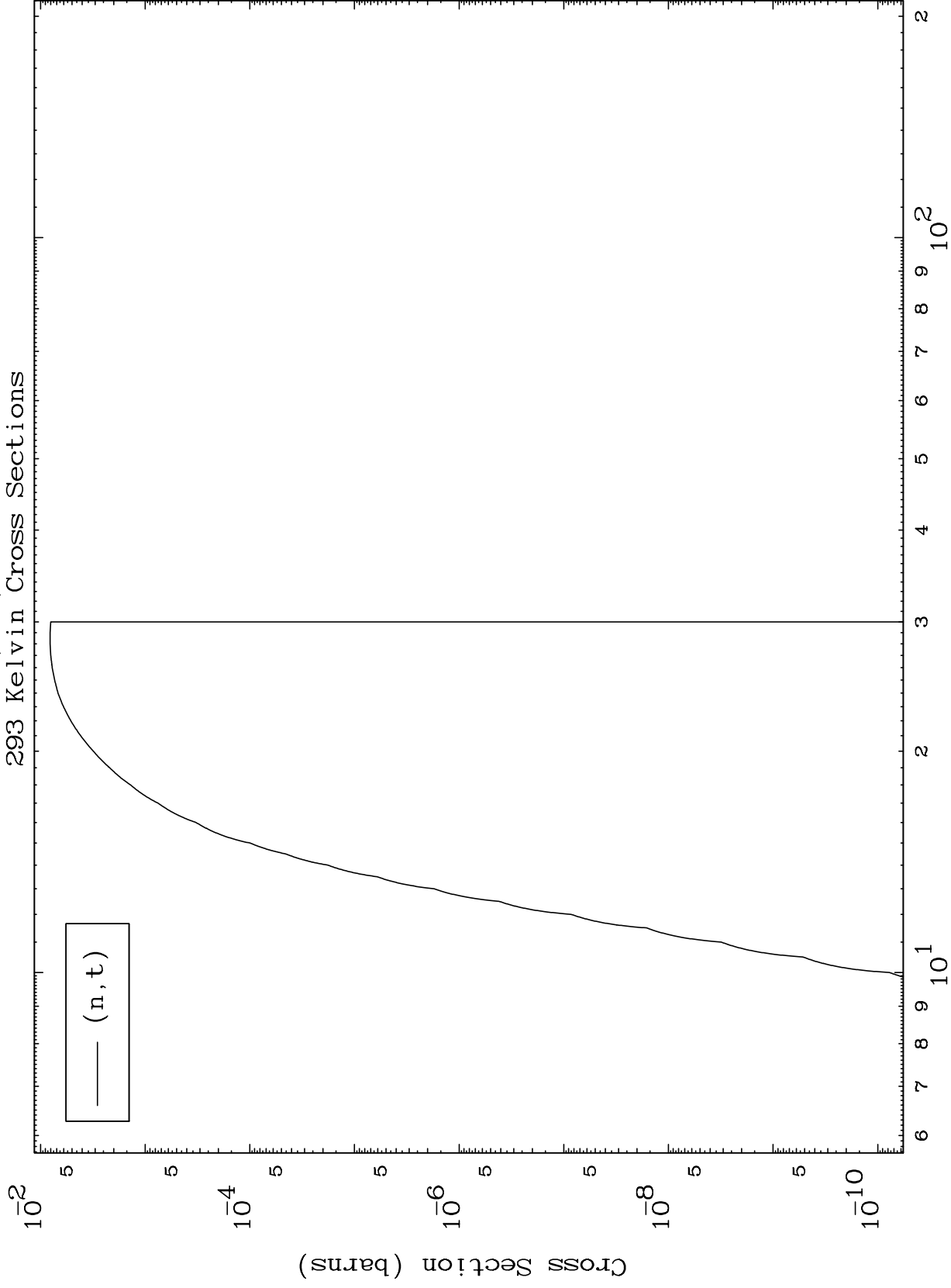
55-Cs-127



MAT 5507

(n, t) Levels  
293 Kelvin Cross Sections

55-Cs-127



12

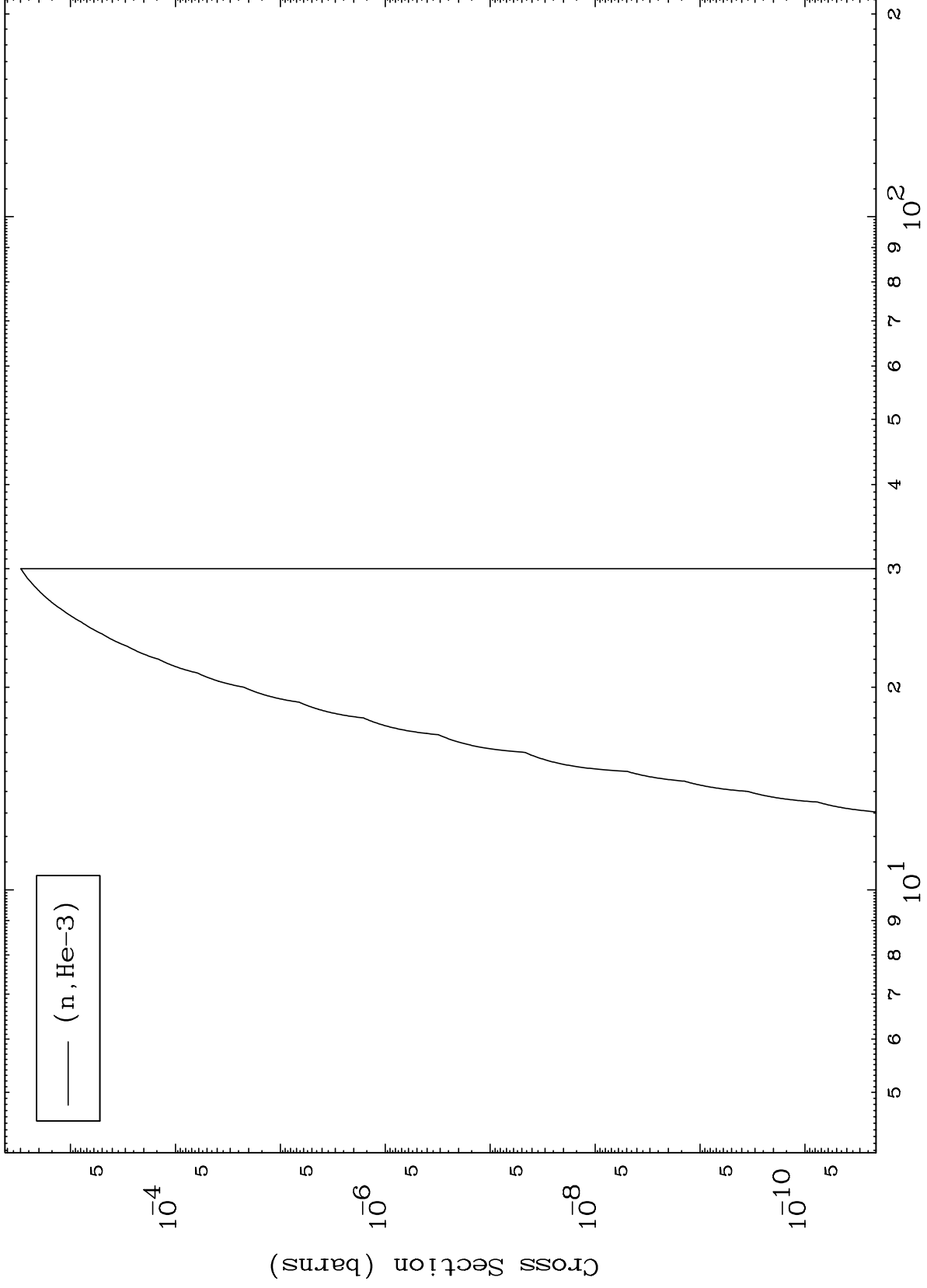
Incident Energy (MeV)

55-Cs-127

MAT 5507

(n,He3) Levels  
293 Kelvin Cross Sections

55-Cs-127



13

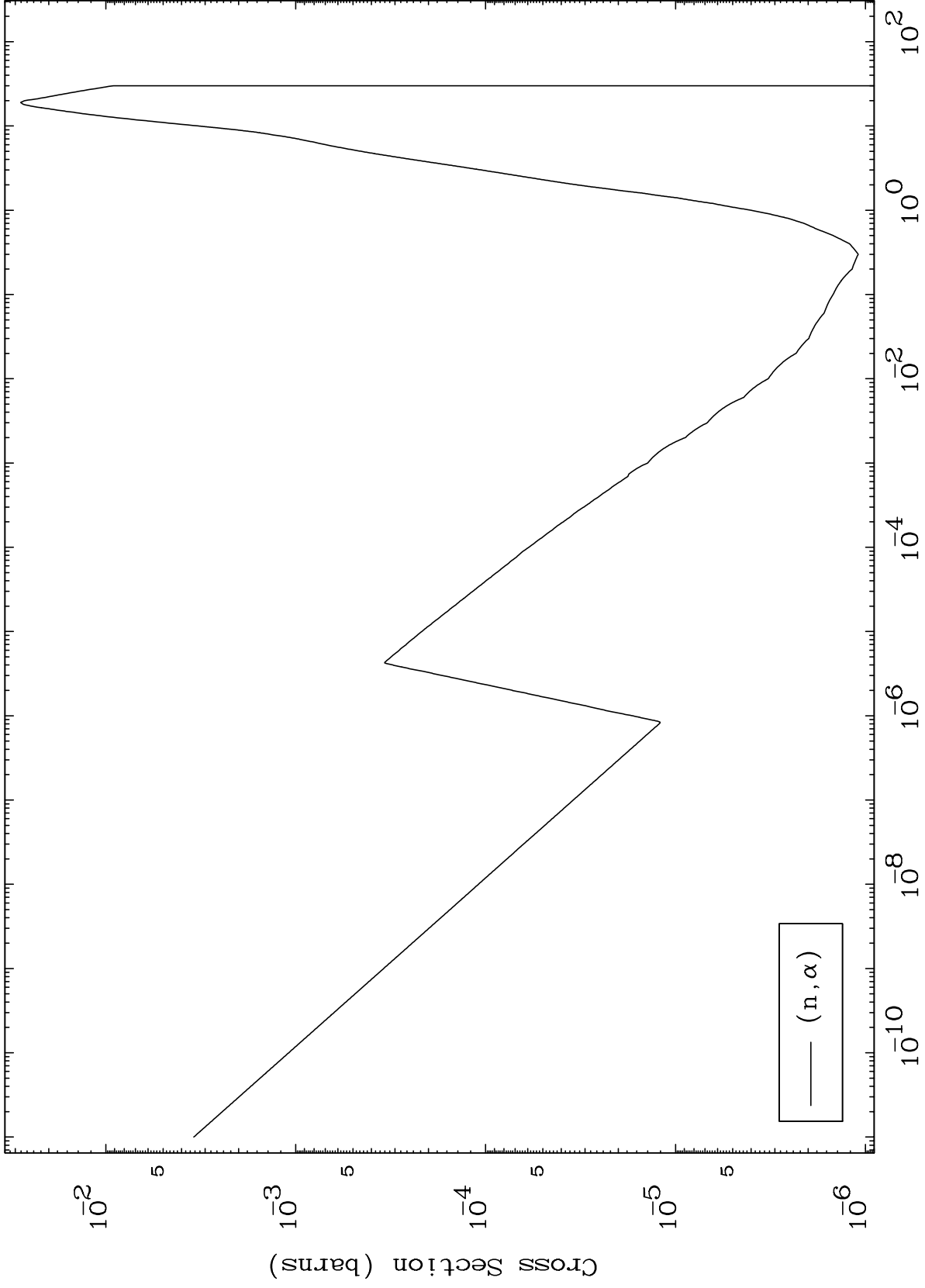
Incident Energy (MeV)

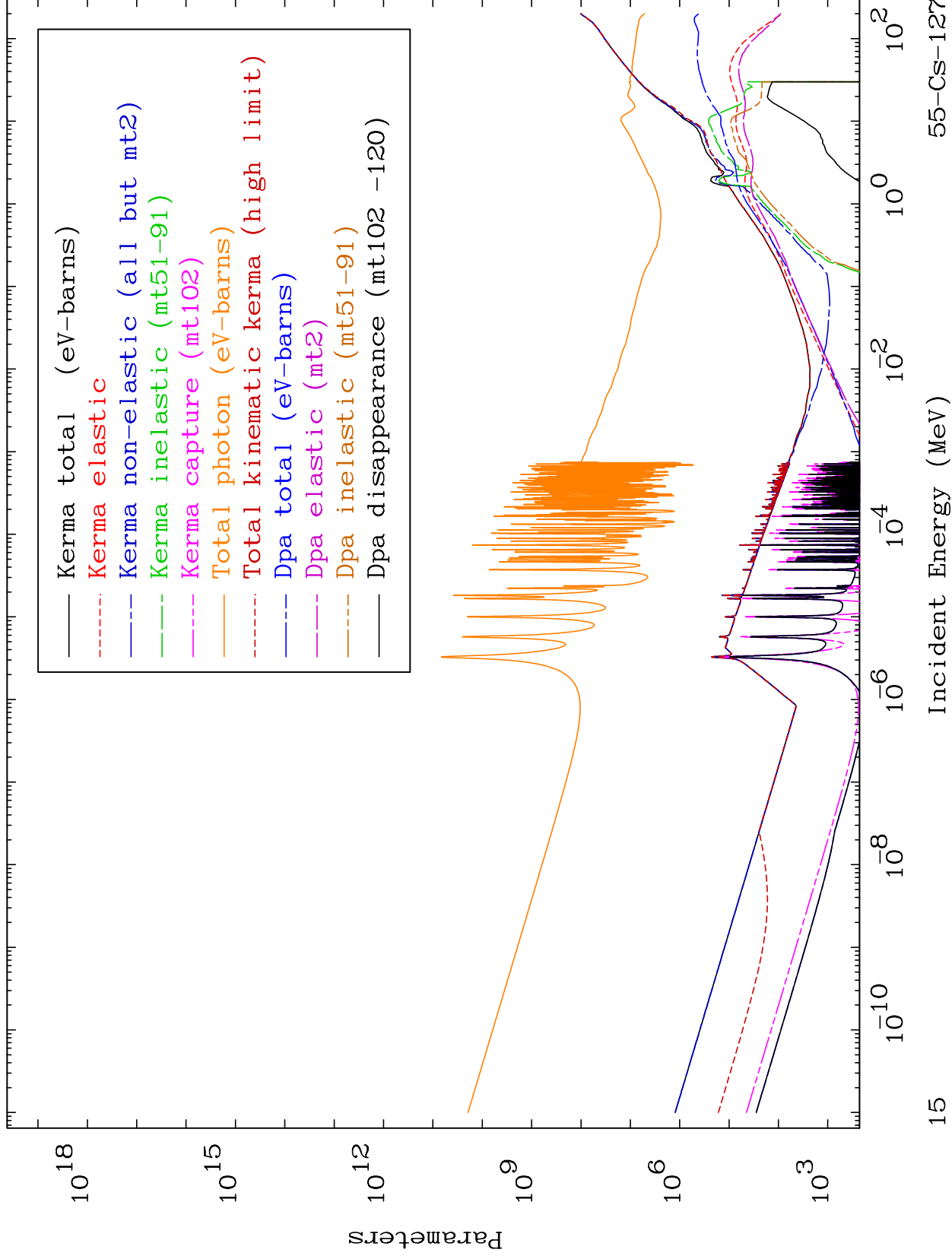
55-Cs-127

MAT 5507

(n,α) Levels  
293 Kelvin Cross Sections

55-Cs-127



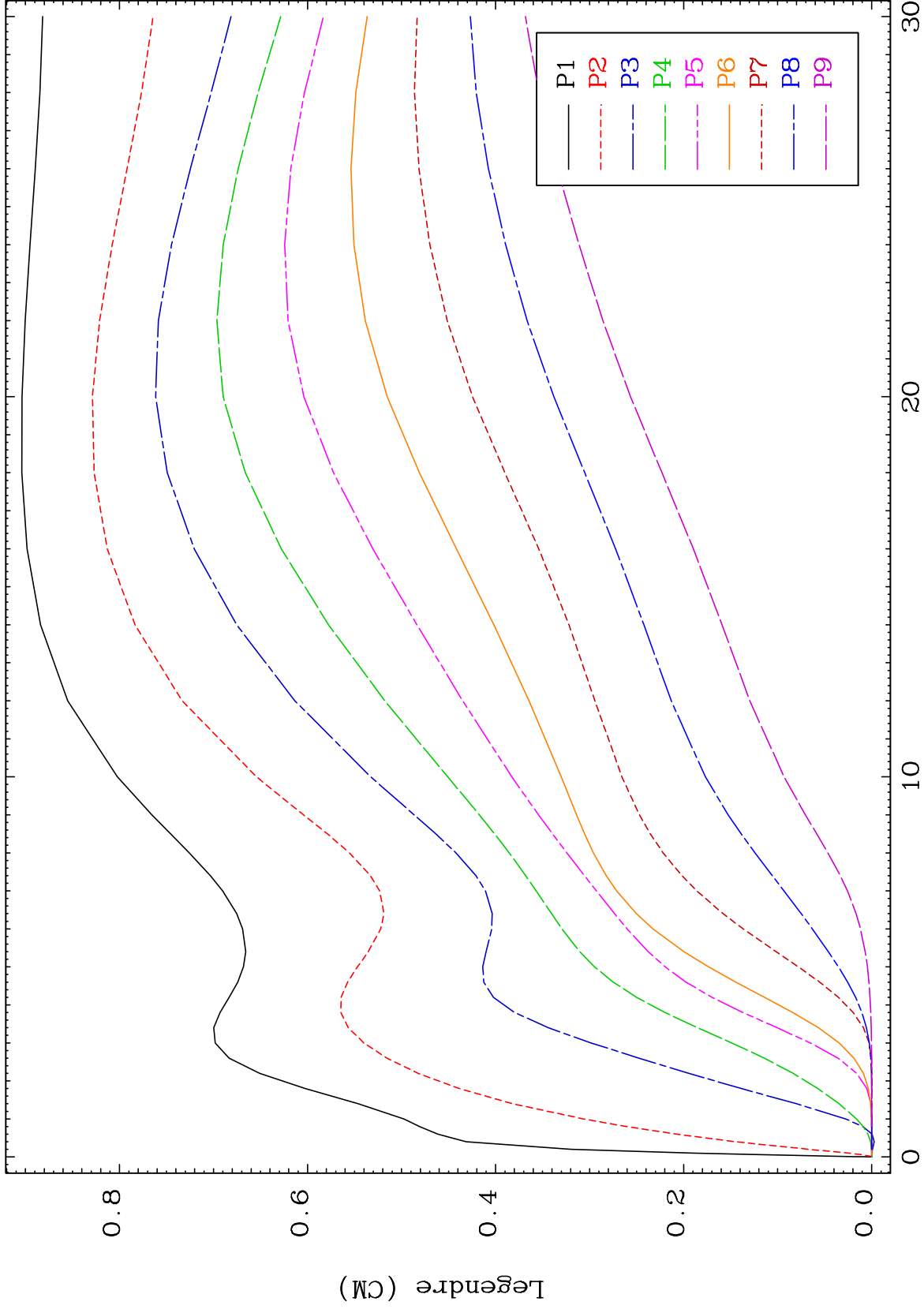




MAT 5507

Elastic Legendre Coefficients

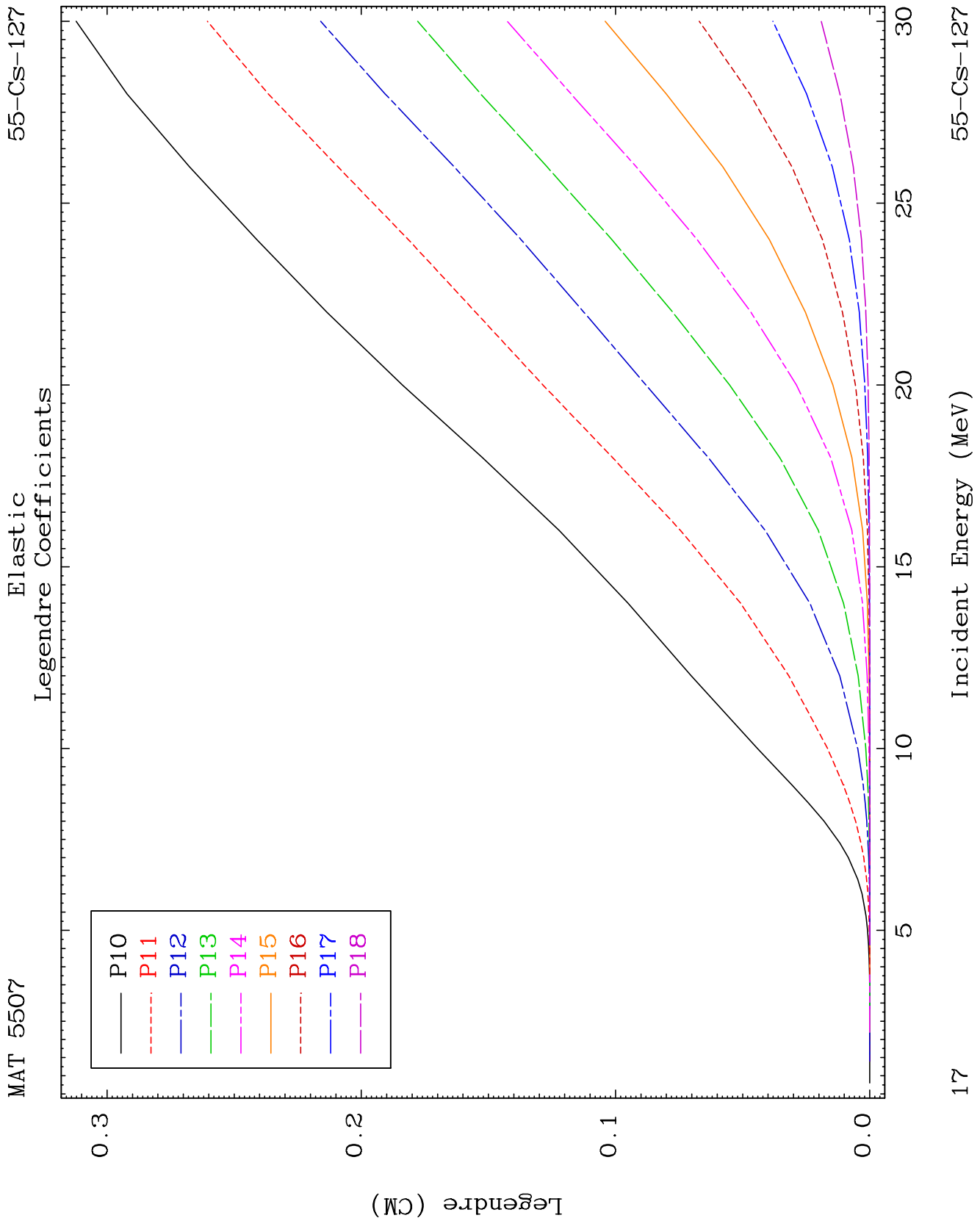
55-Cs-127



16

Incident Energy (MeV)

55-Cs-127



MAT 5507

Elastic Legendre Coefficients

55-Cs-127

17

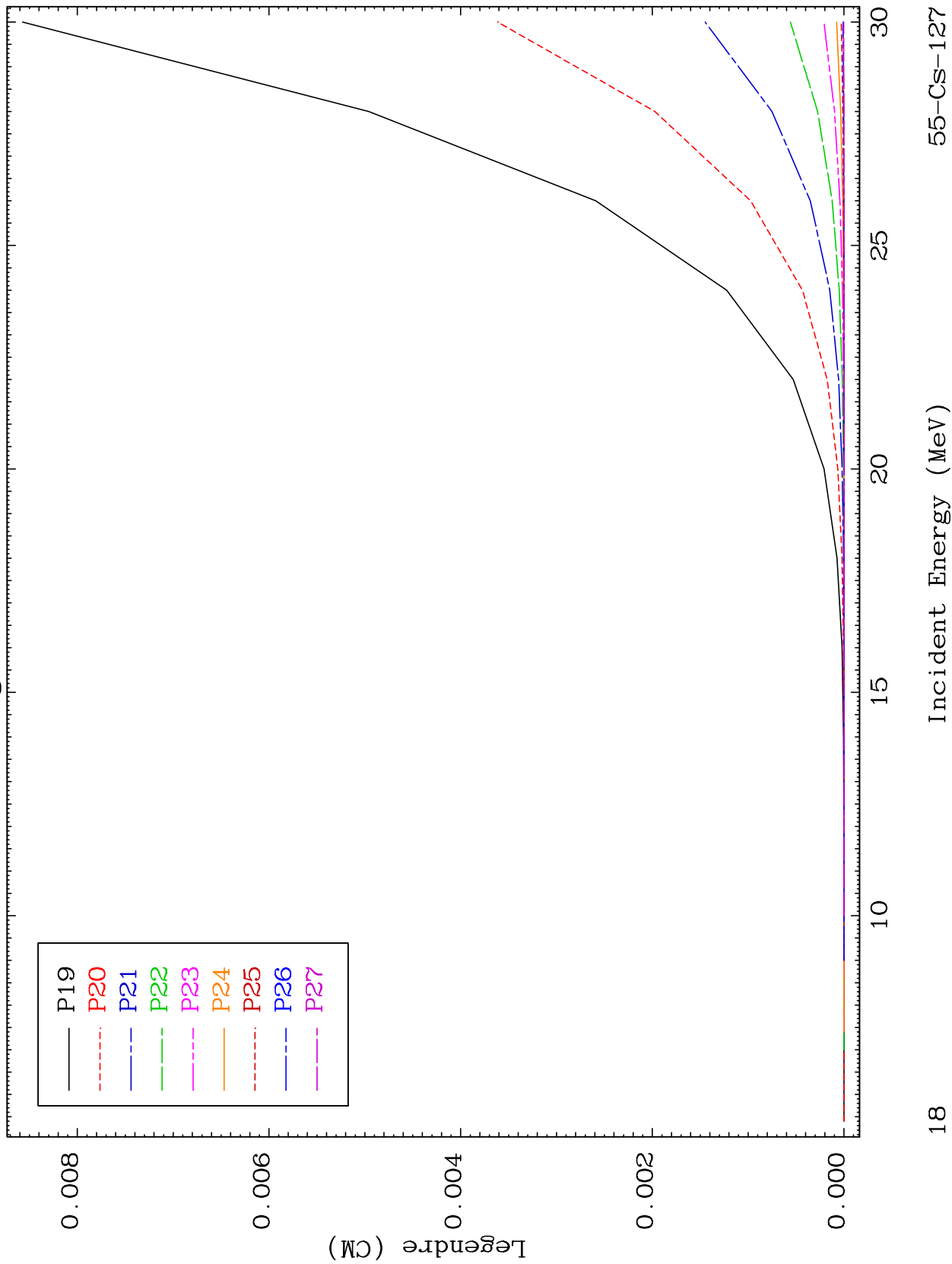
Incident Energy (MeV)

55-Cs-127

MAT 5507

### Elastic Legendre Coefficients

55-Cs-127



18

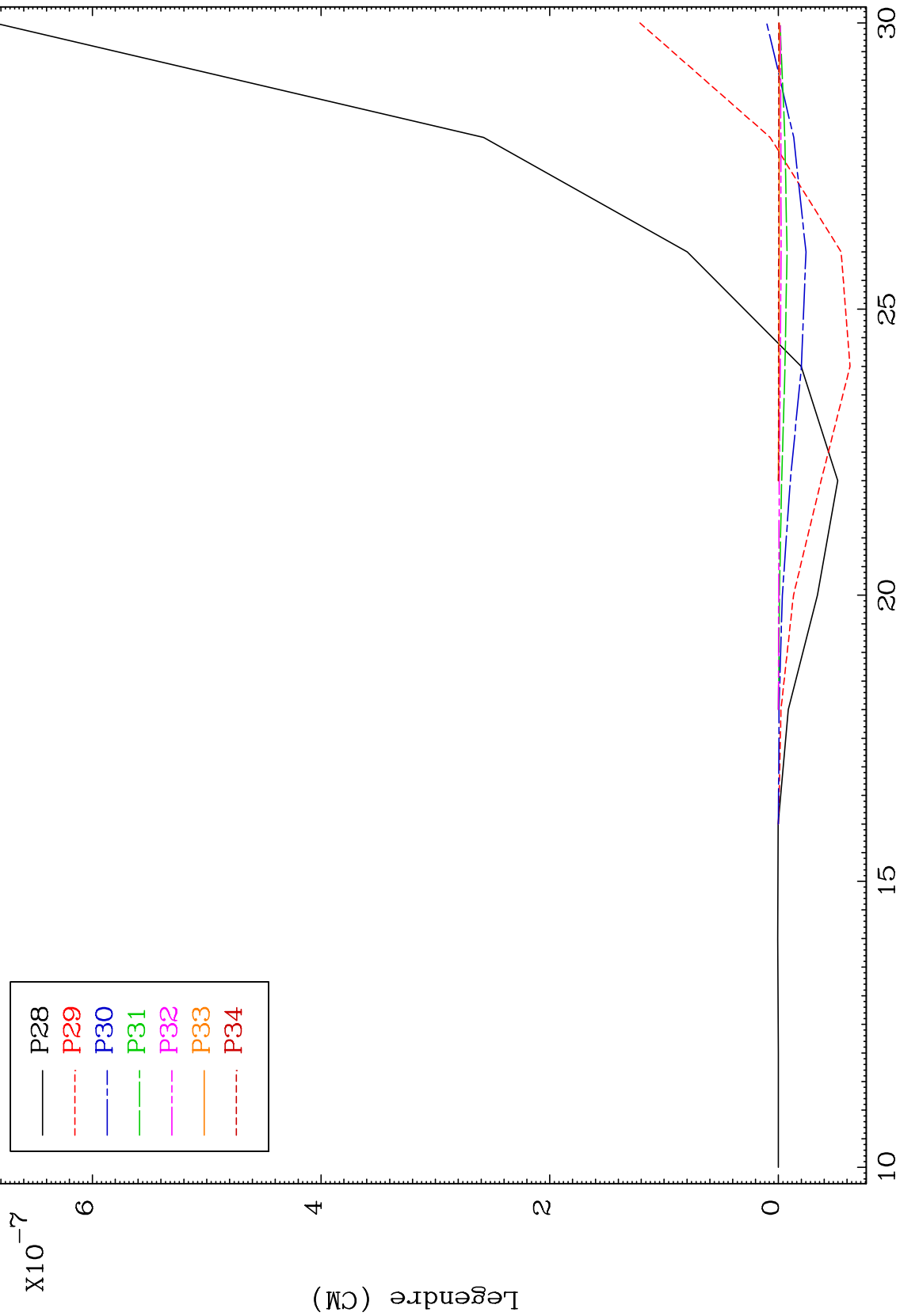
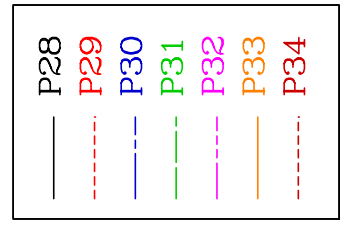
Incident Energy (MeV)

55-Cs-127

MAT 5507

Elastic Legendre Coefficients

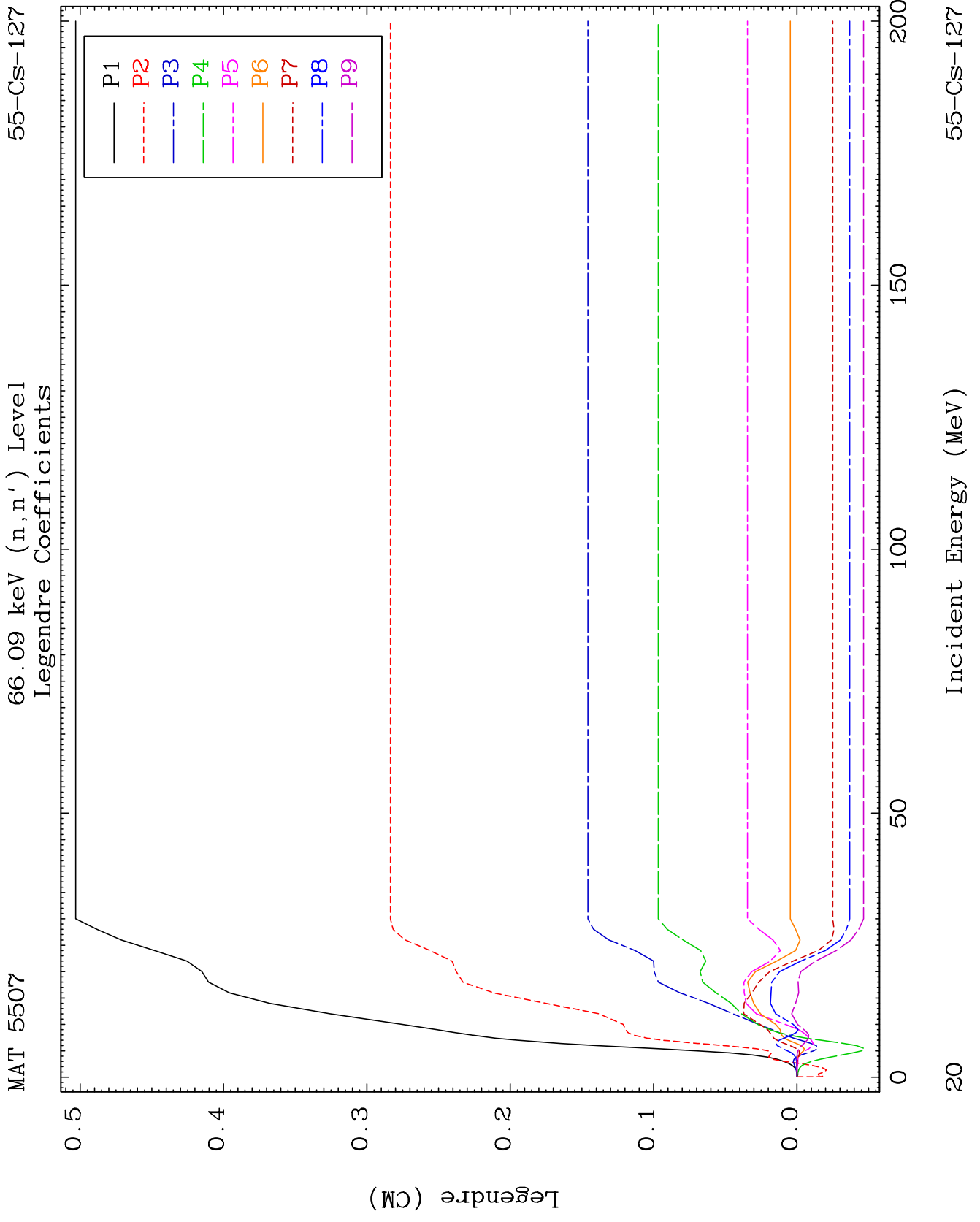
55-Cs-127



19

Incident Energy (MeV)

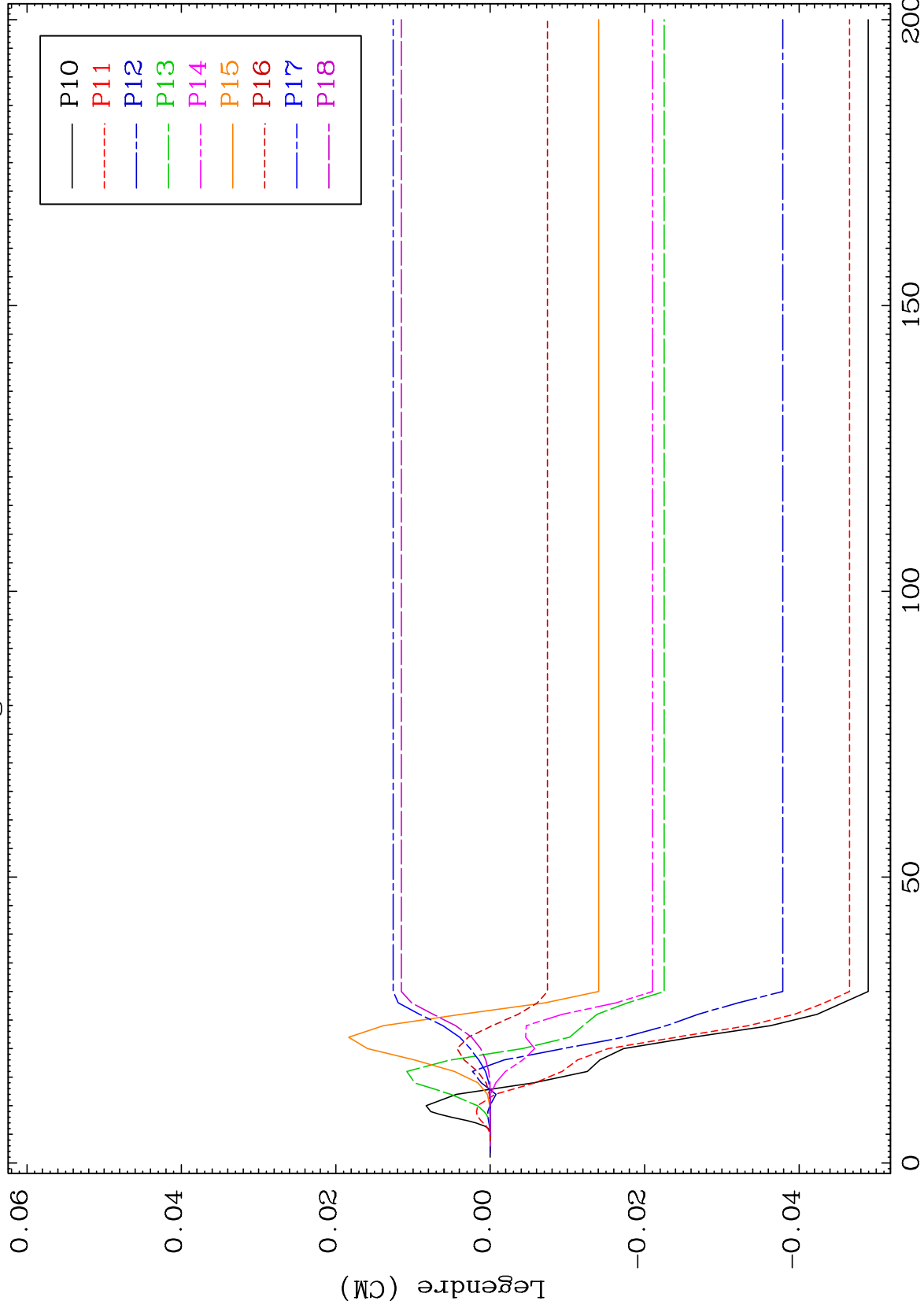
55-Cs-127



MAT 5507

66.09 keV (n,n') Level  
Legendre Coefficients

55-Cs-127



21

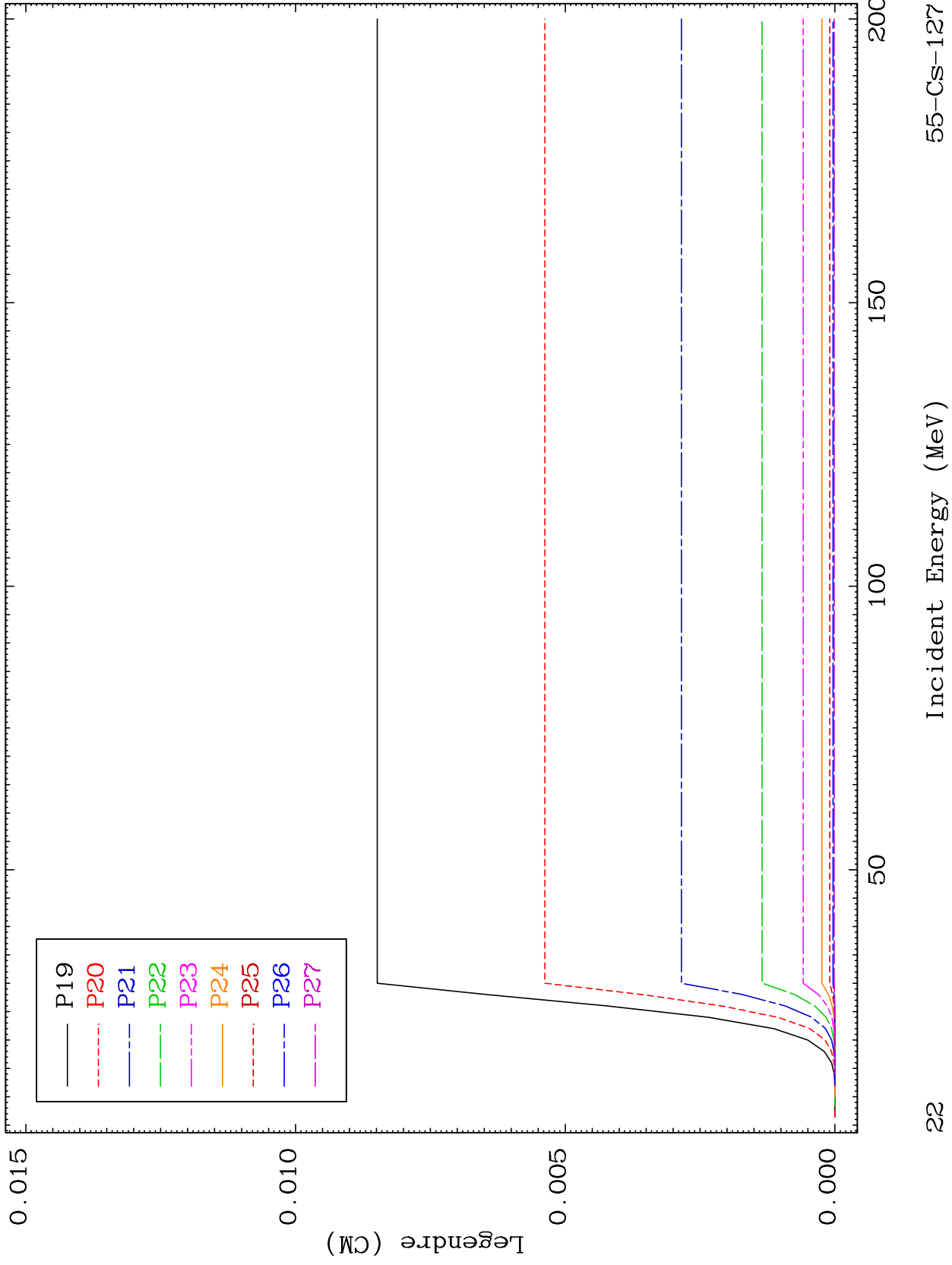
Incident Energy (MeV)

55-Cs-127

MAT 5507

66.09 keV (n,n') Level  
Legendre Coefficients

55-Cs-127



22

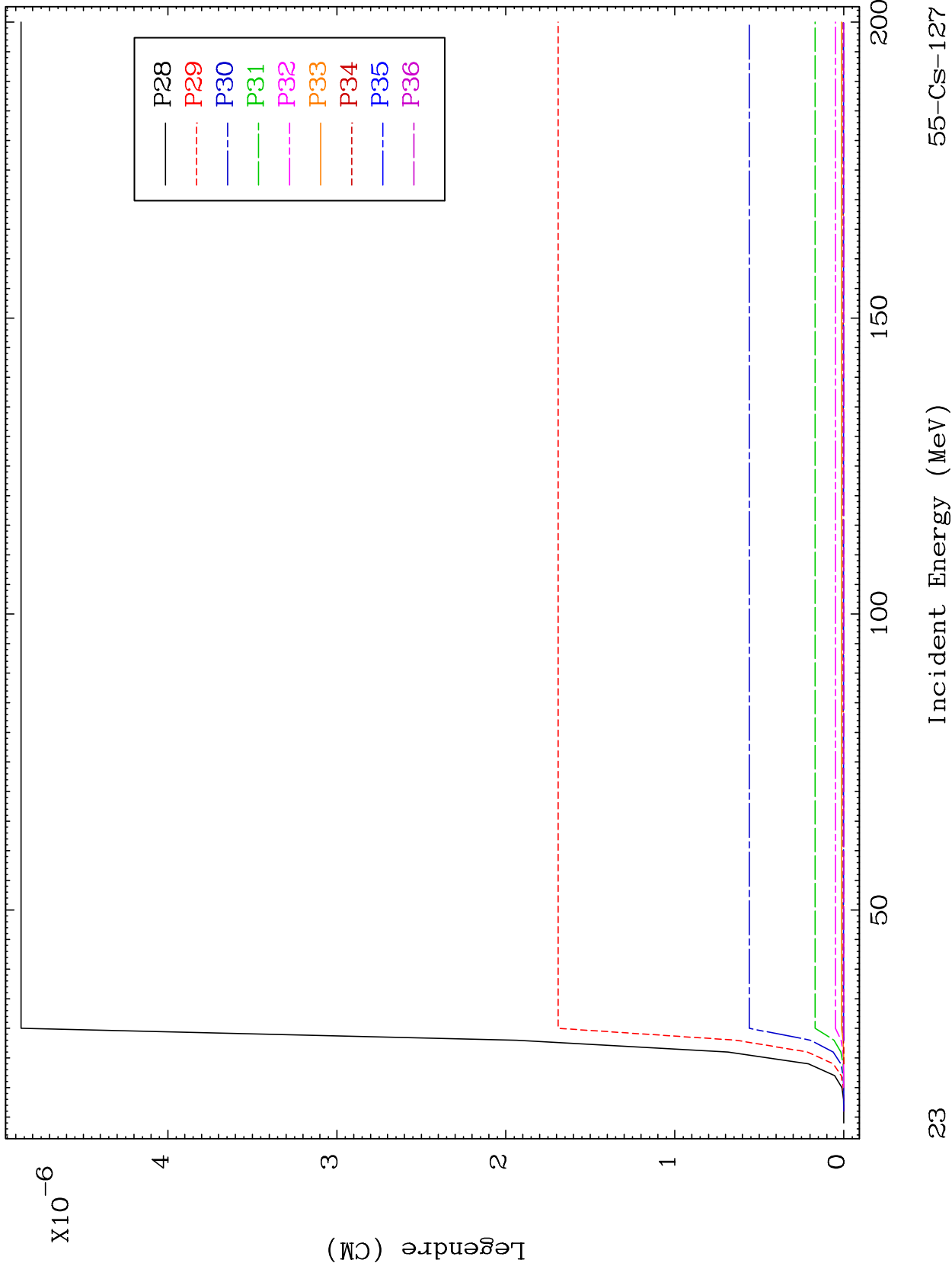
Incident Energy (MeV)

55-Cs-127

MAT 5507

66.09 keV (n,n') Level  
Legendre Coefficients

55-Cs-127



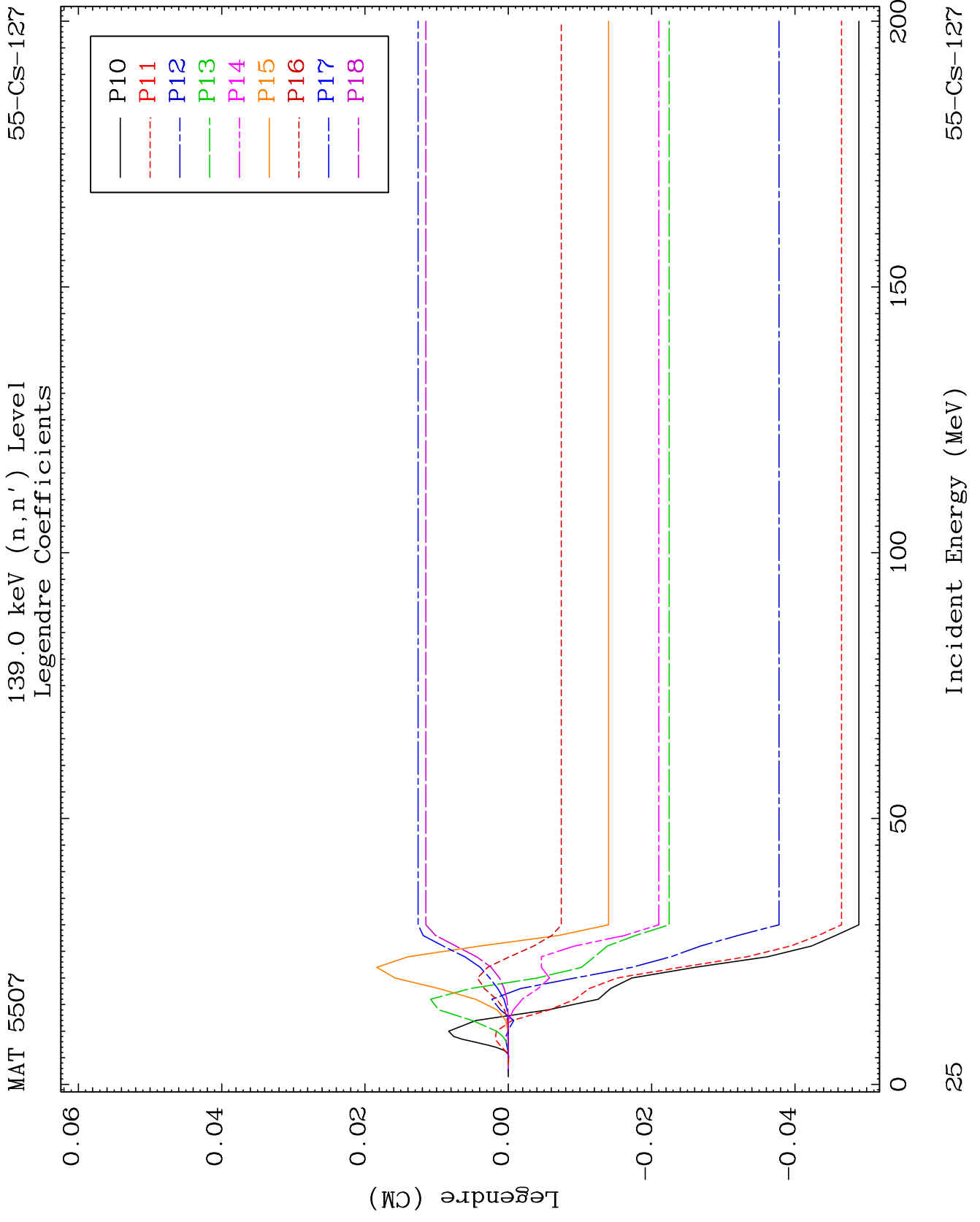
23

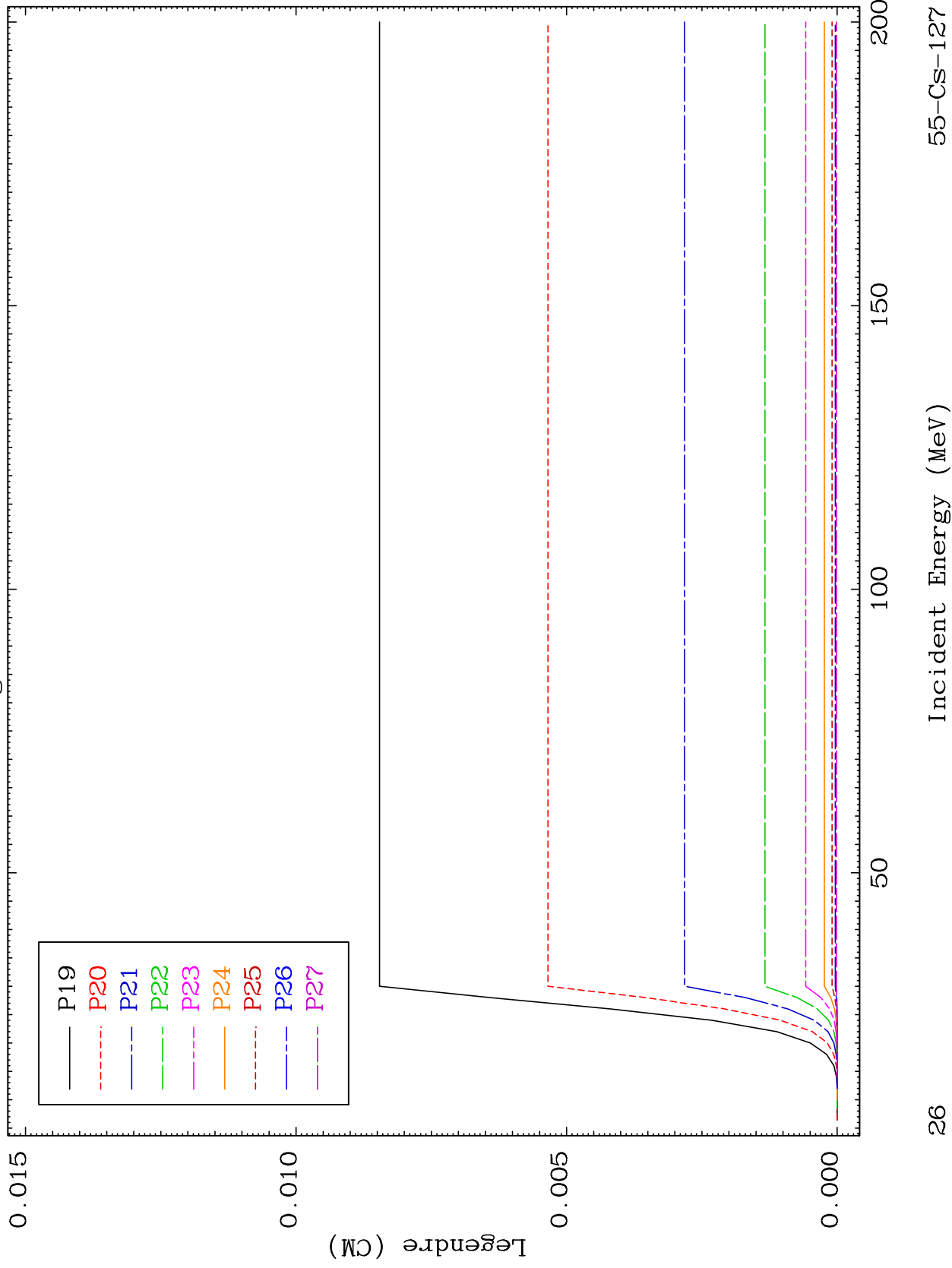
Incident Energy (MeV)

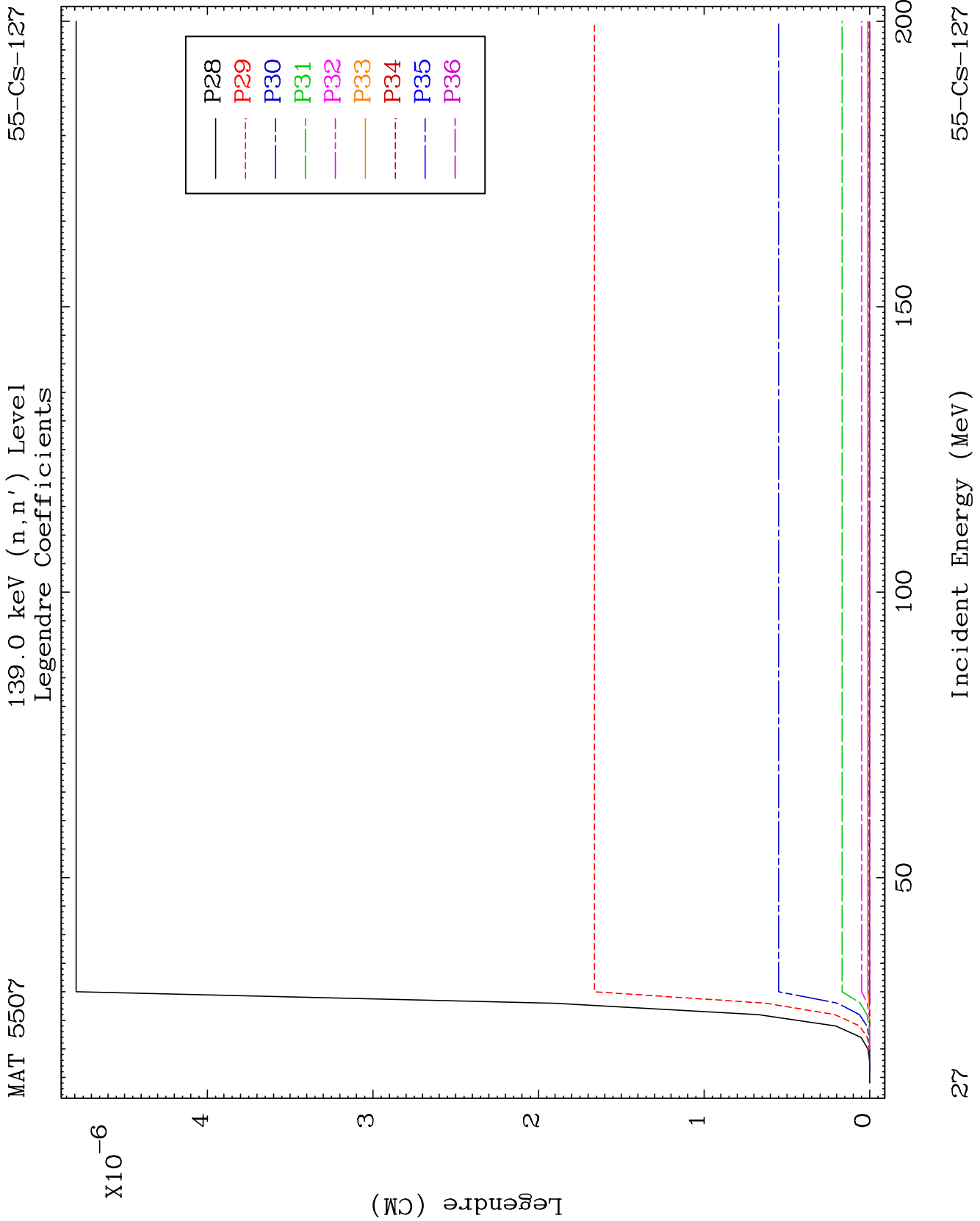
55-Cs-127







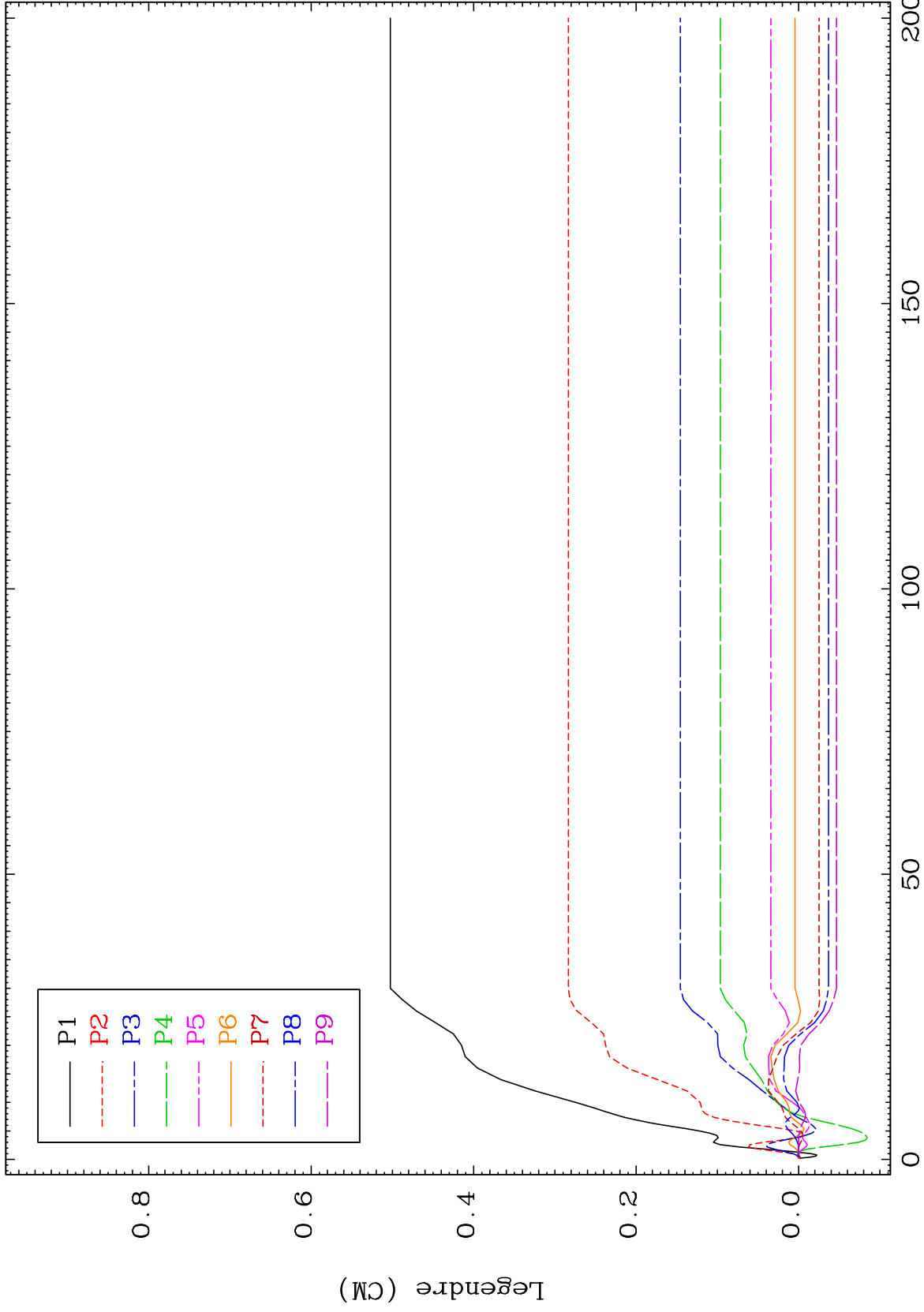




MAT 5507

180.9 keV (n,n') Level  
Legendre Coefficients

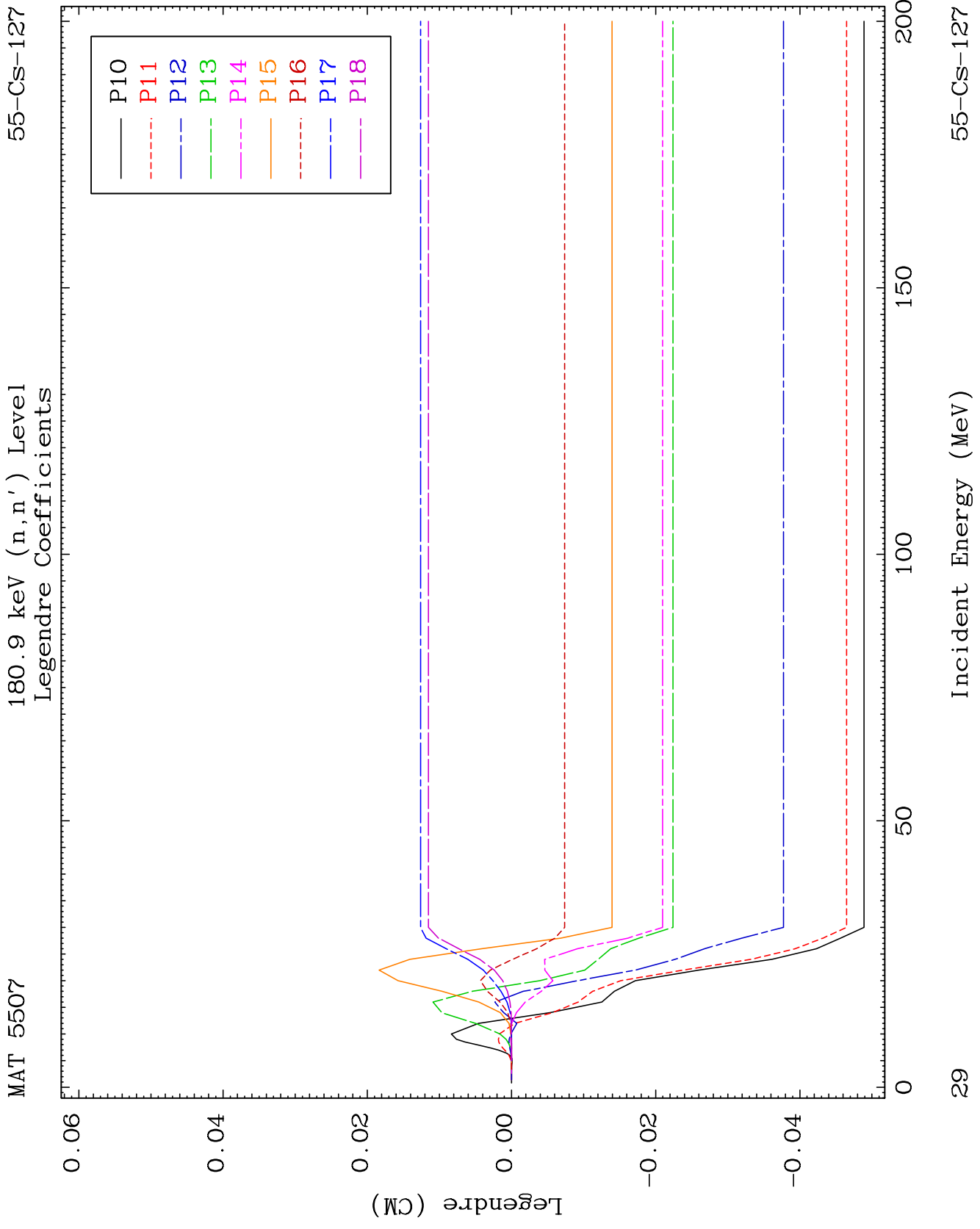
55-Cs-127



28

Incident Energy (MeV)

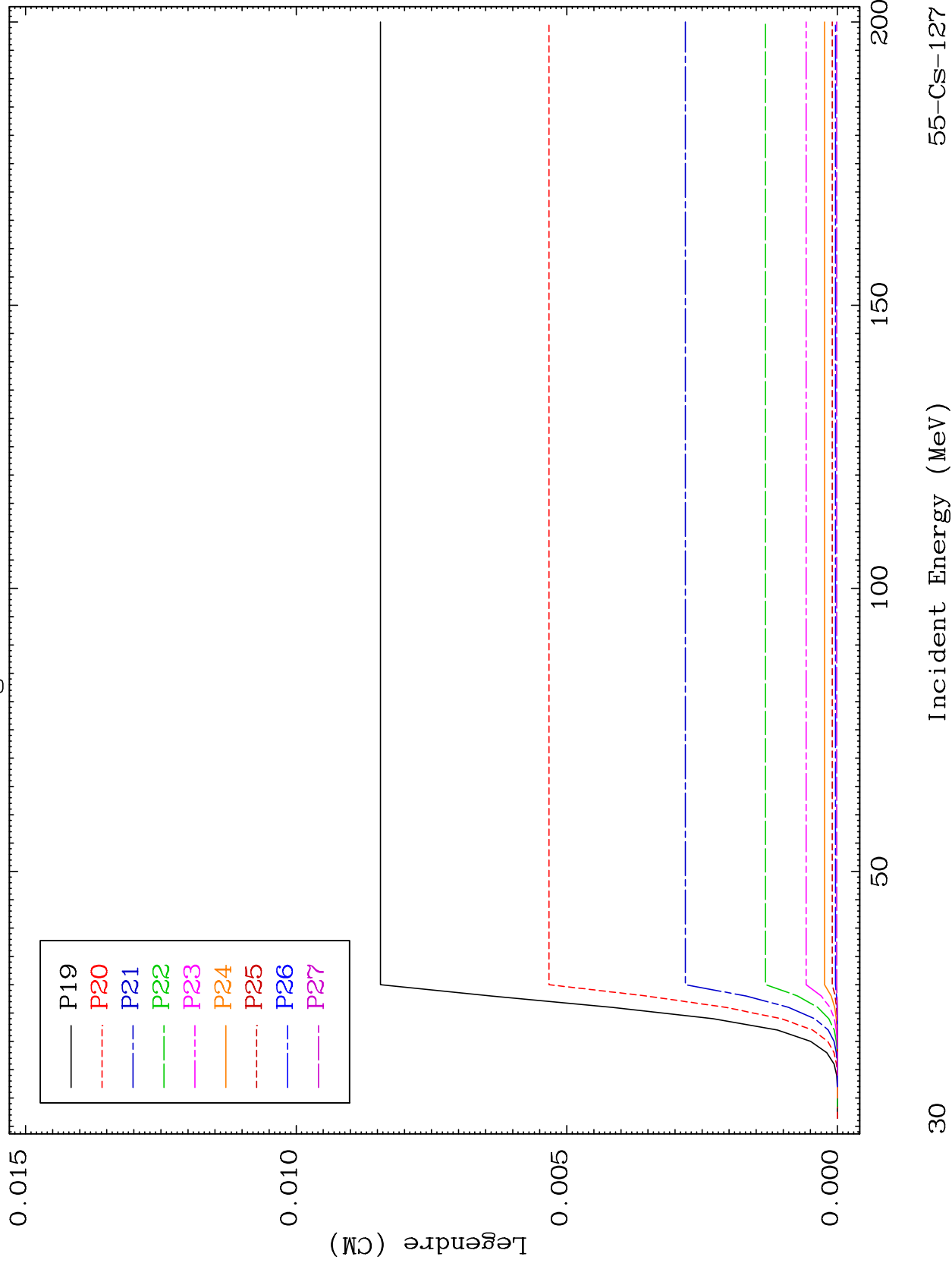
55-Cs-127



MAT 5507

180.9 keV (n,n') Level  
Legendre Coefficients

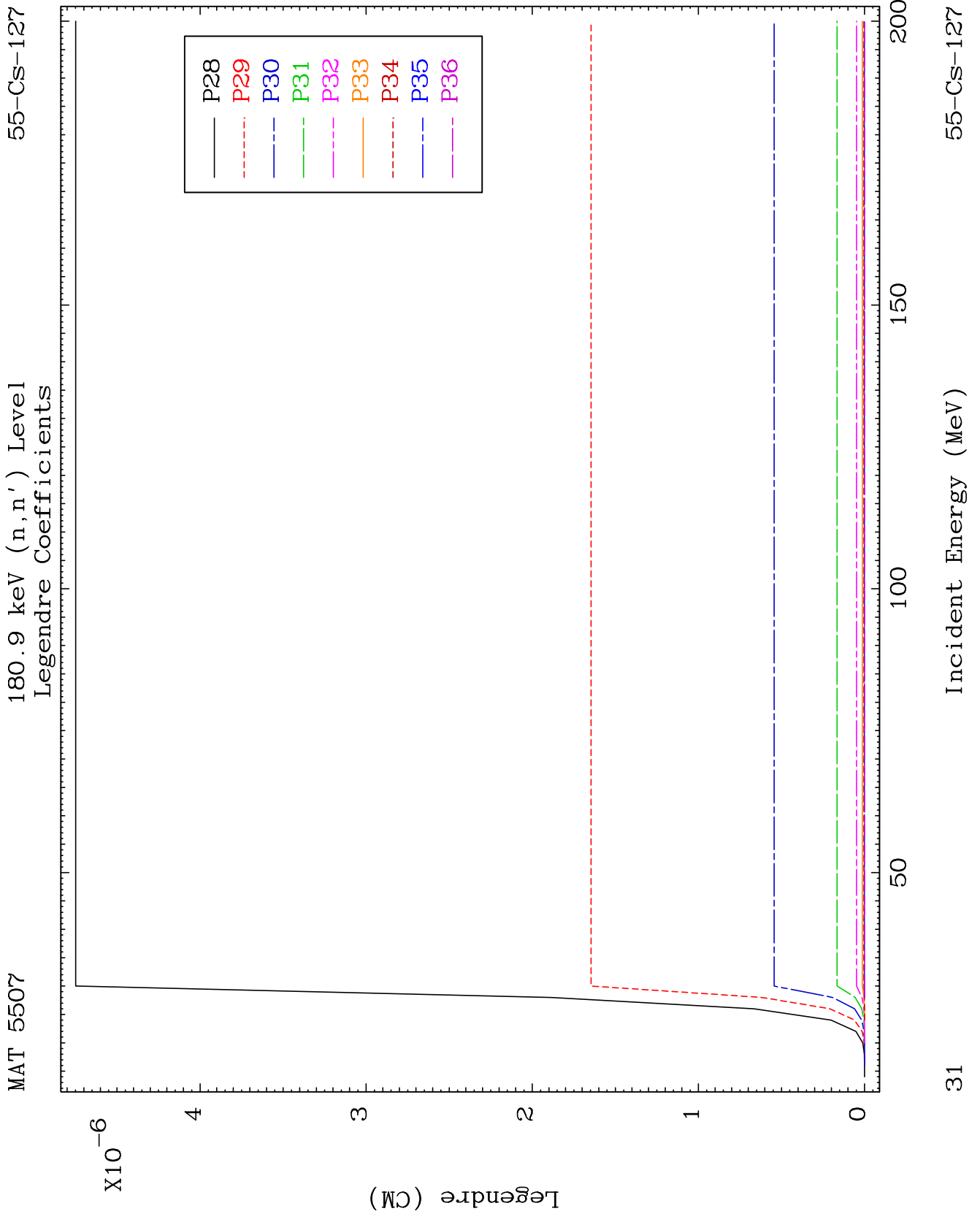
55-Cs-127



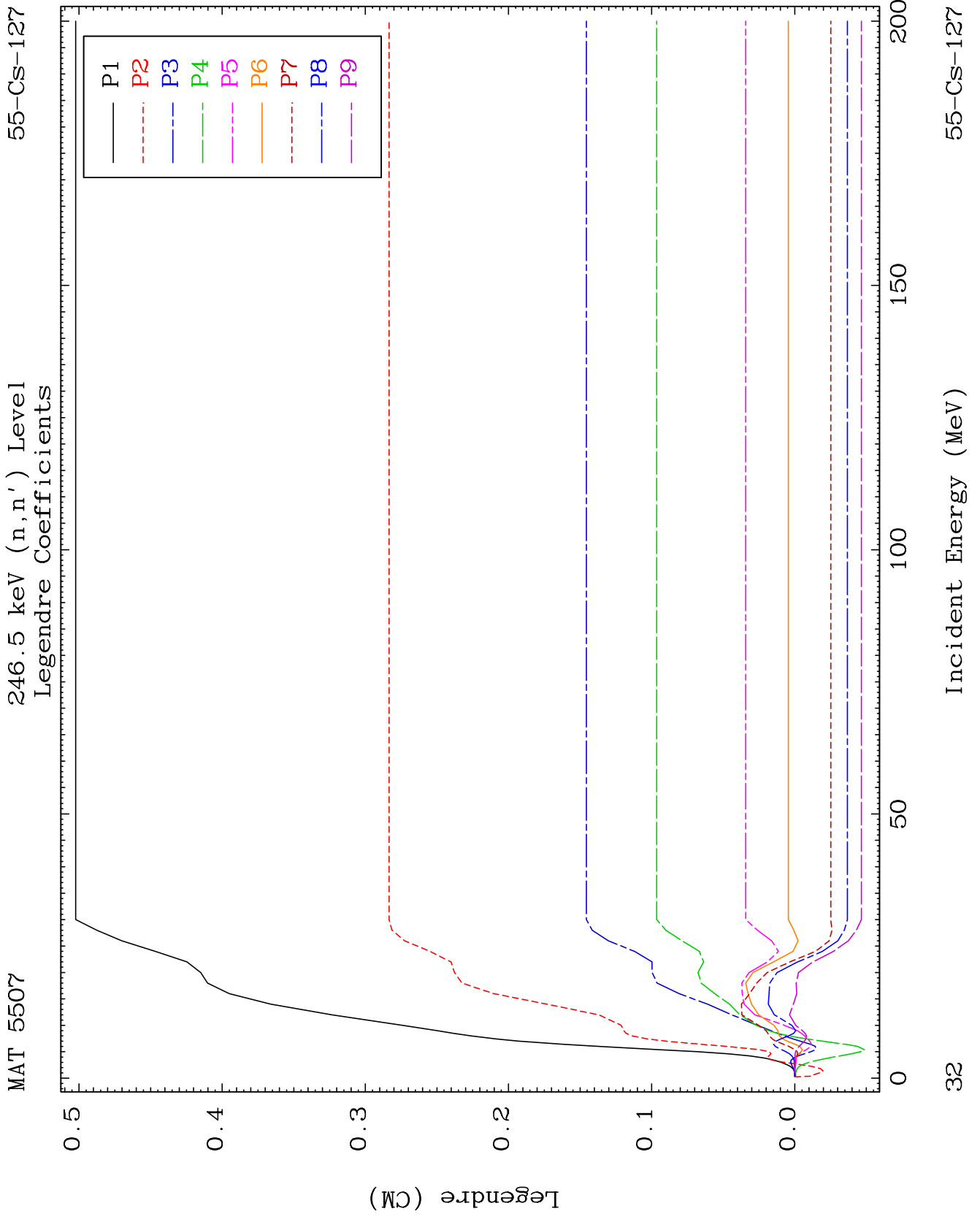
30

Incident Energy (MeV)

55-Cs-127



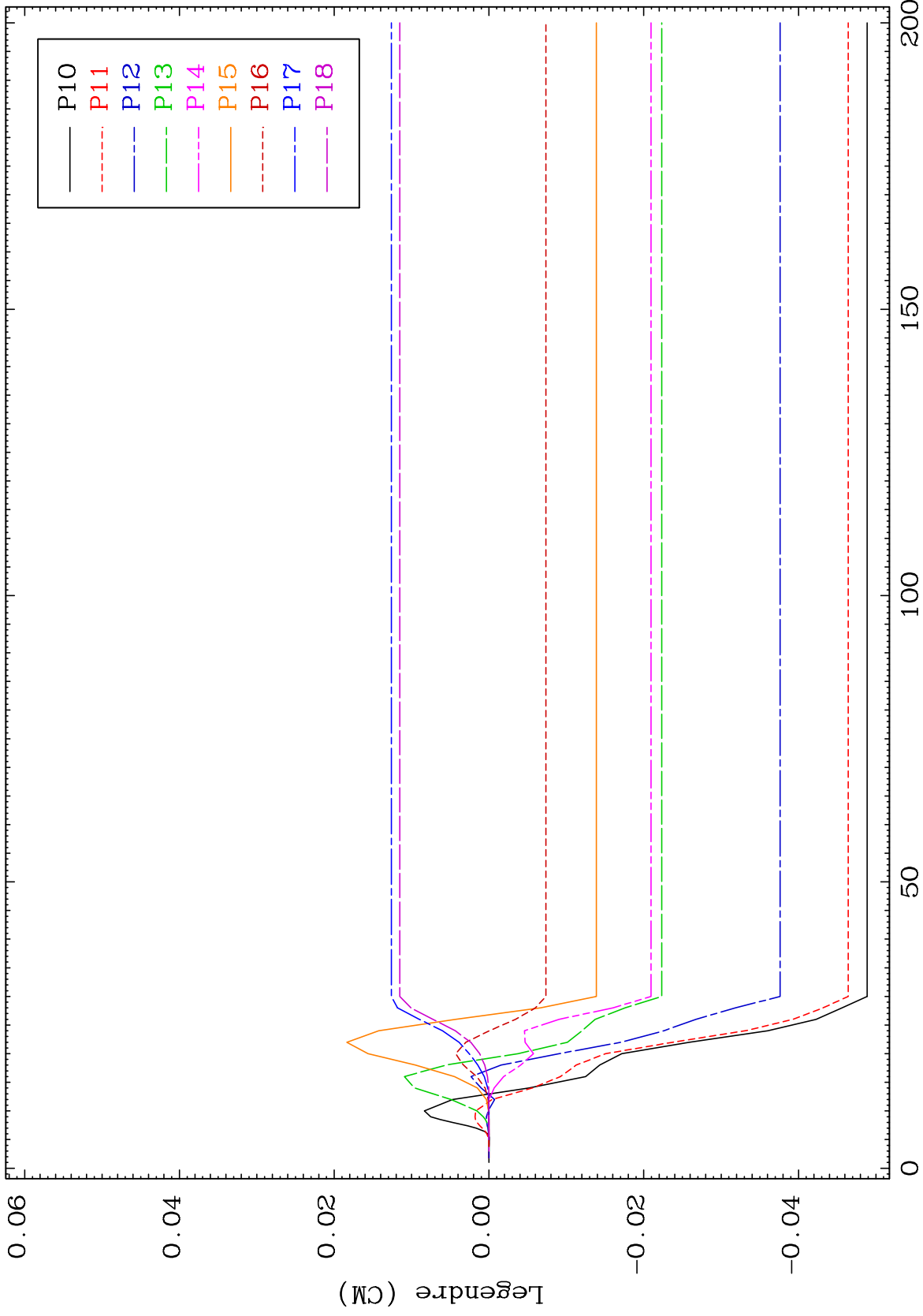




MAT 5507

246.5 keV (n,n') Level  
Legendre Coefficients

55-Cs-127



33

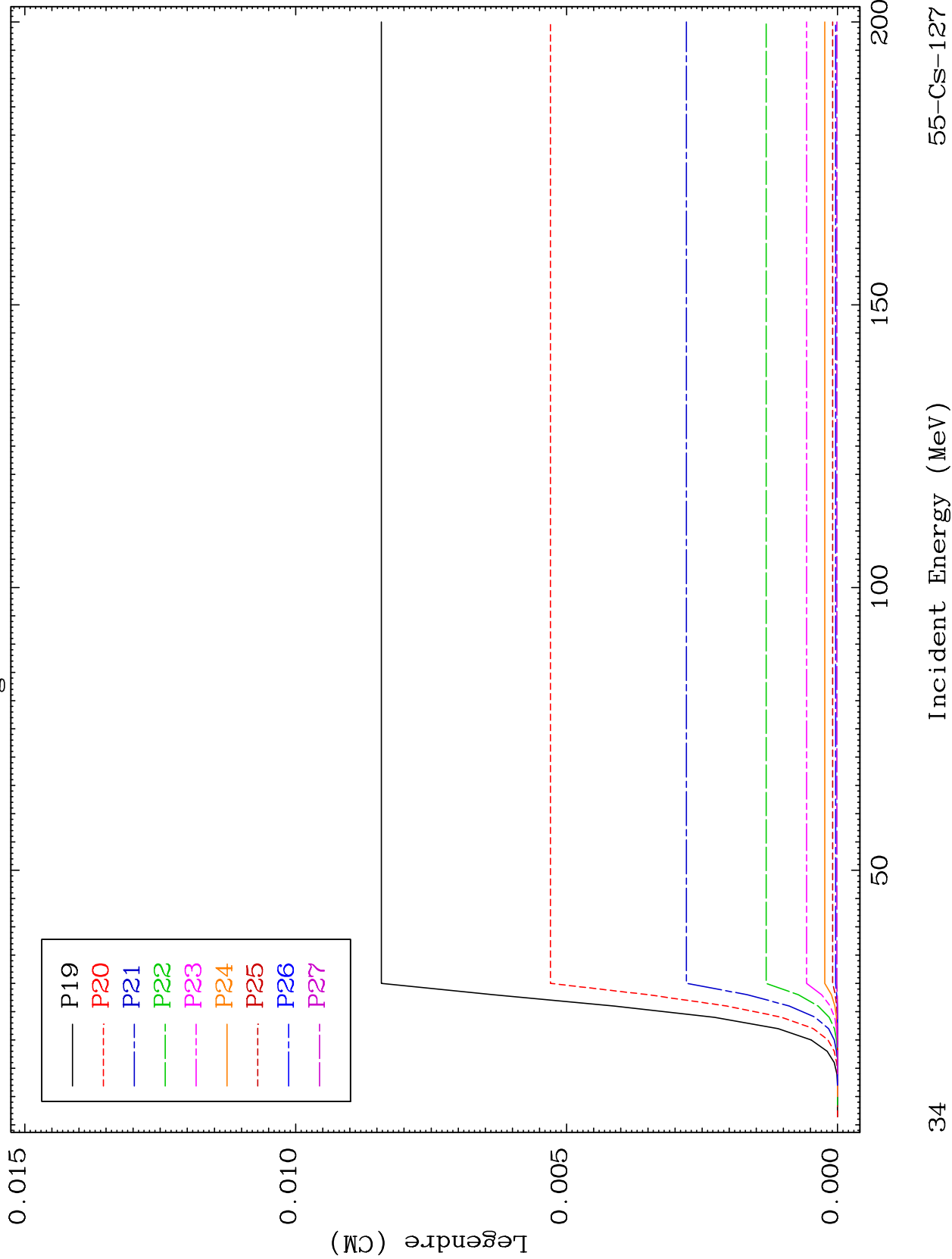
Incident Energy (MeV)

55-Cs-127

MAT 5507

246.5 keV (n,n') Level  
Legendre Coefficients

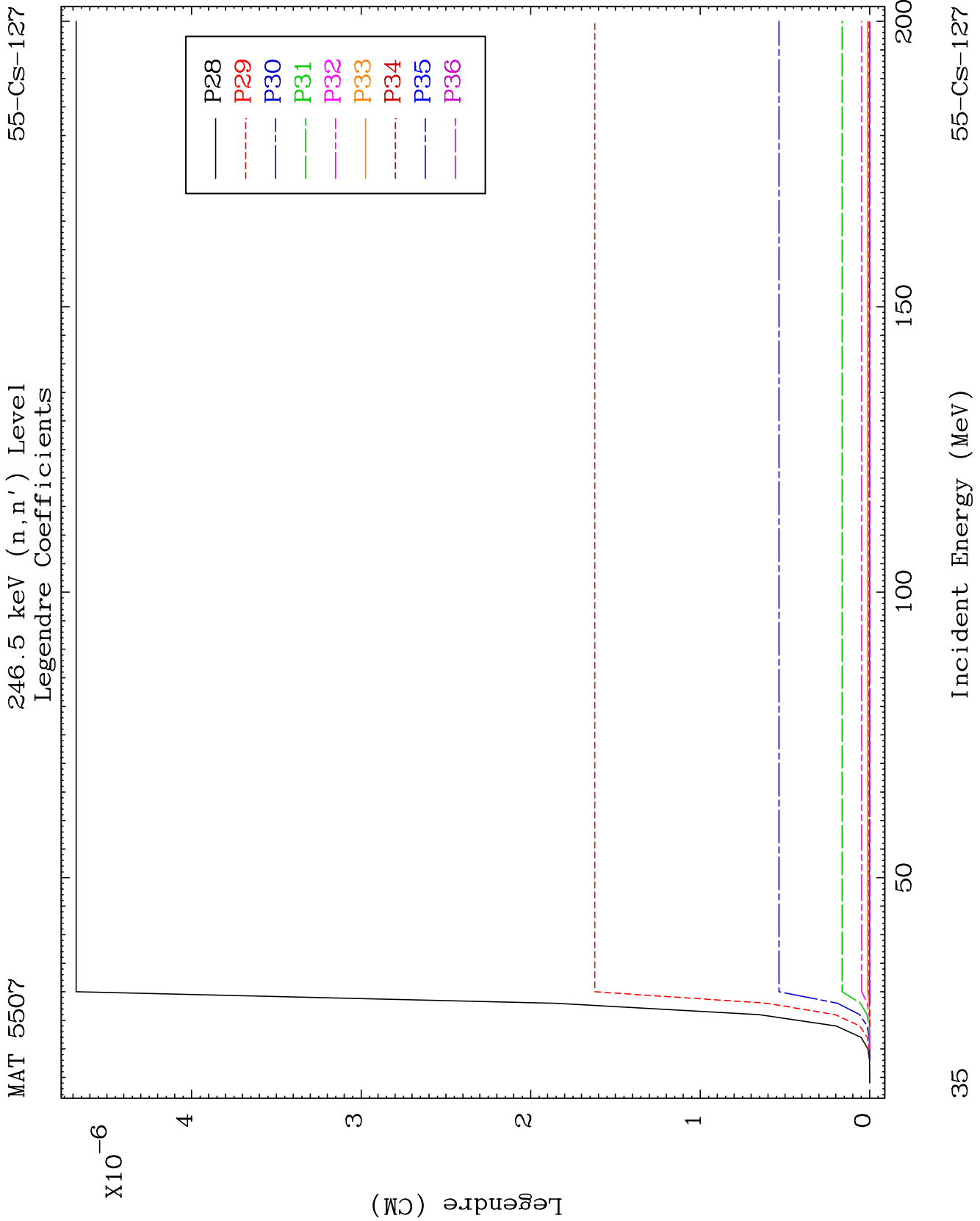
55-Cs-127



34

Incident Energy (MeV)

55-Cs-127

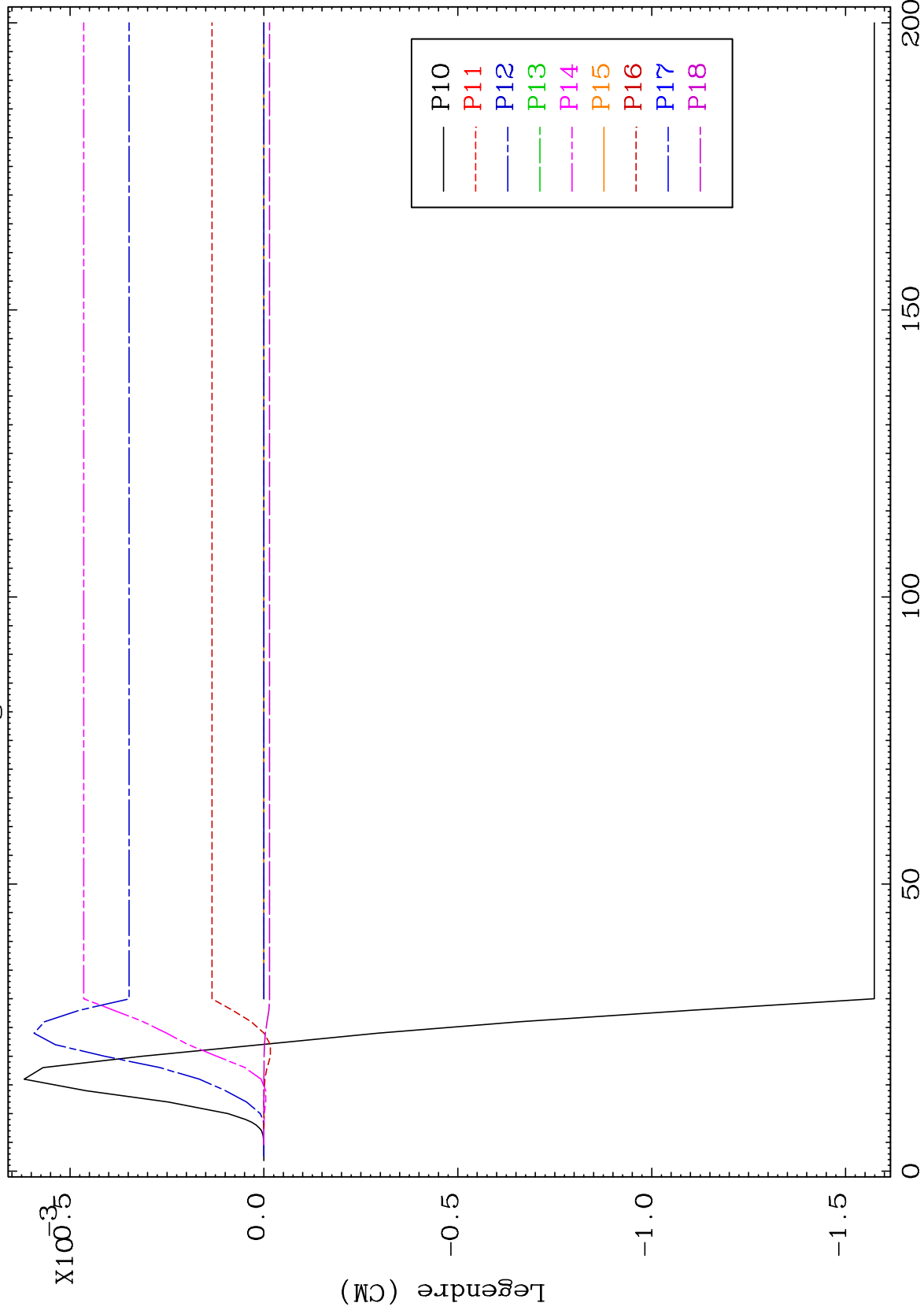




MAT 5507

272.9 keV (n,n') Level  
Legendre Coefficients

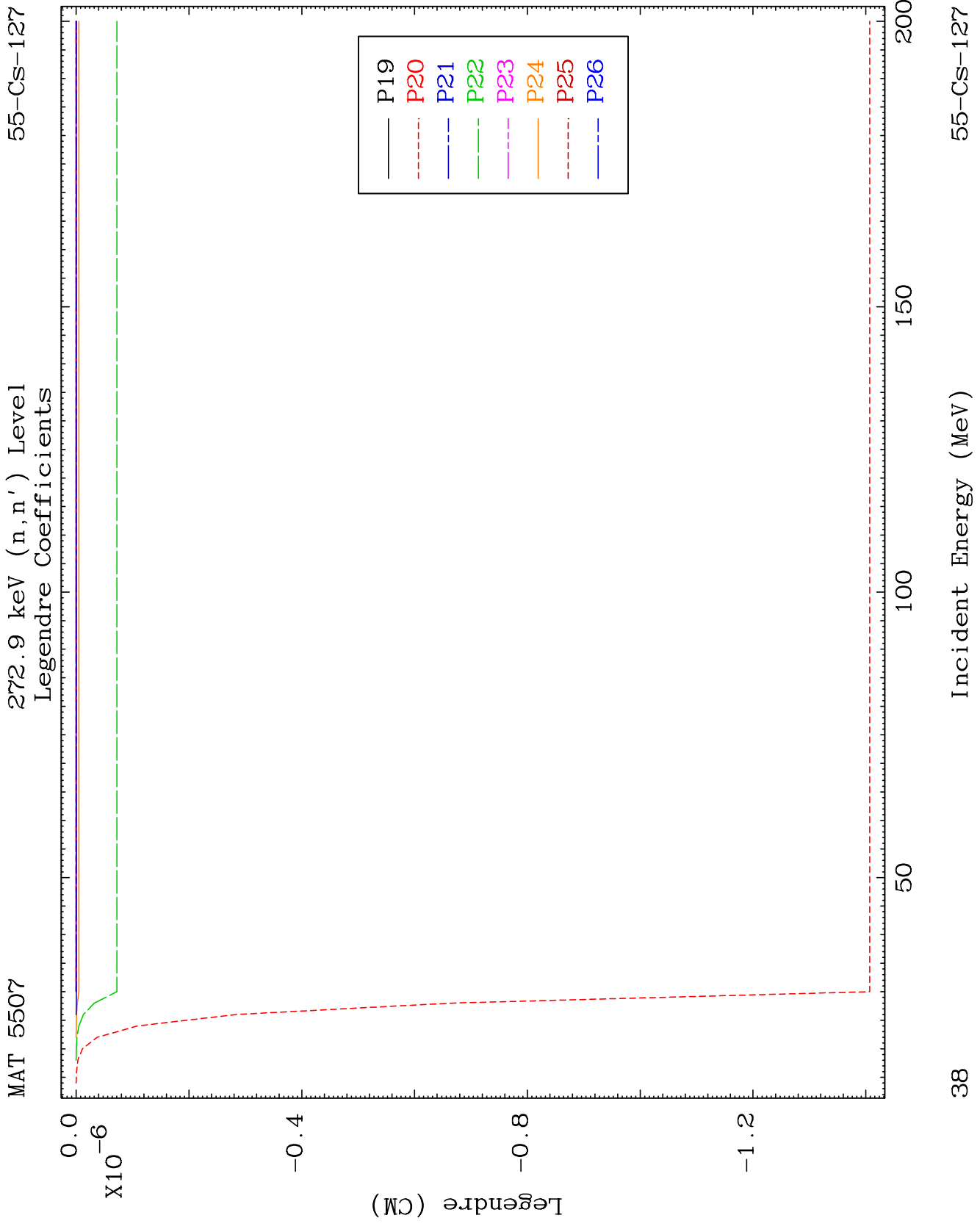
55-Cs-127

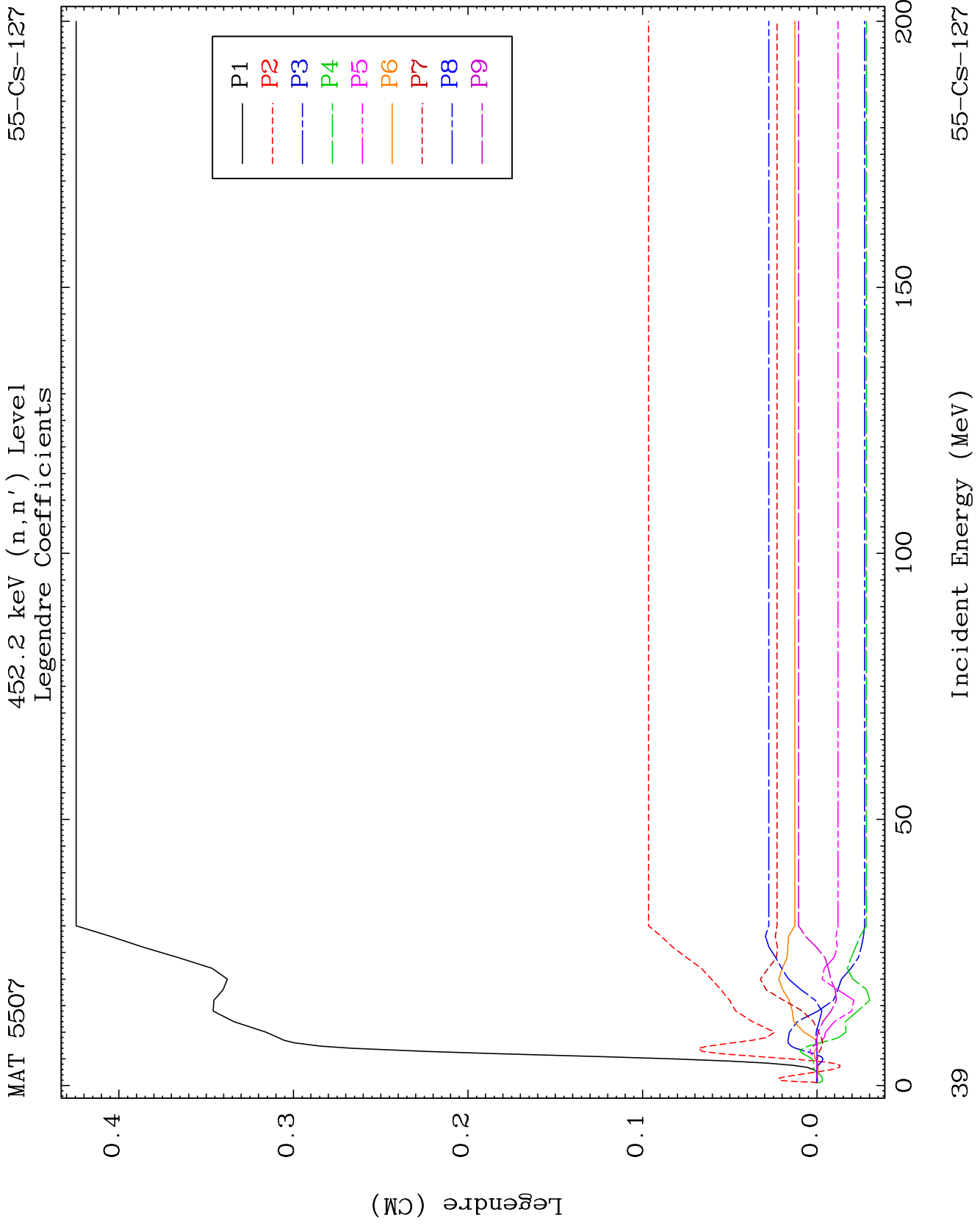


37

Incident Energy (MeV)

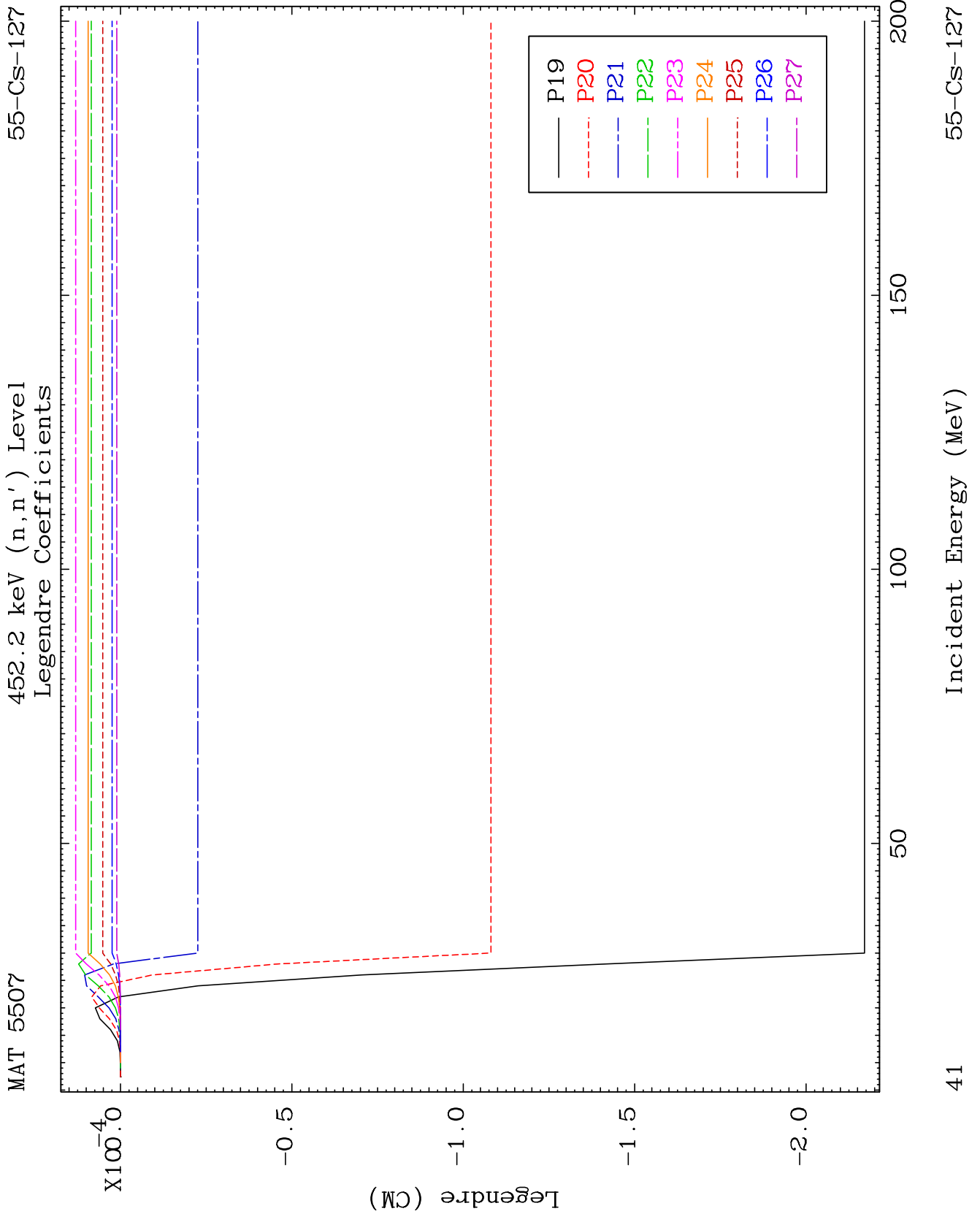
55-Cs-127

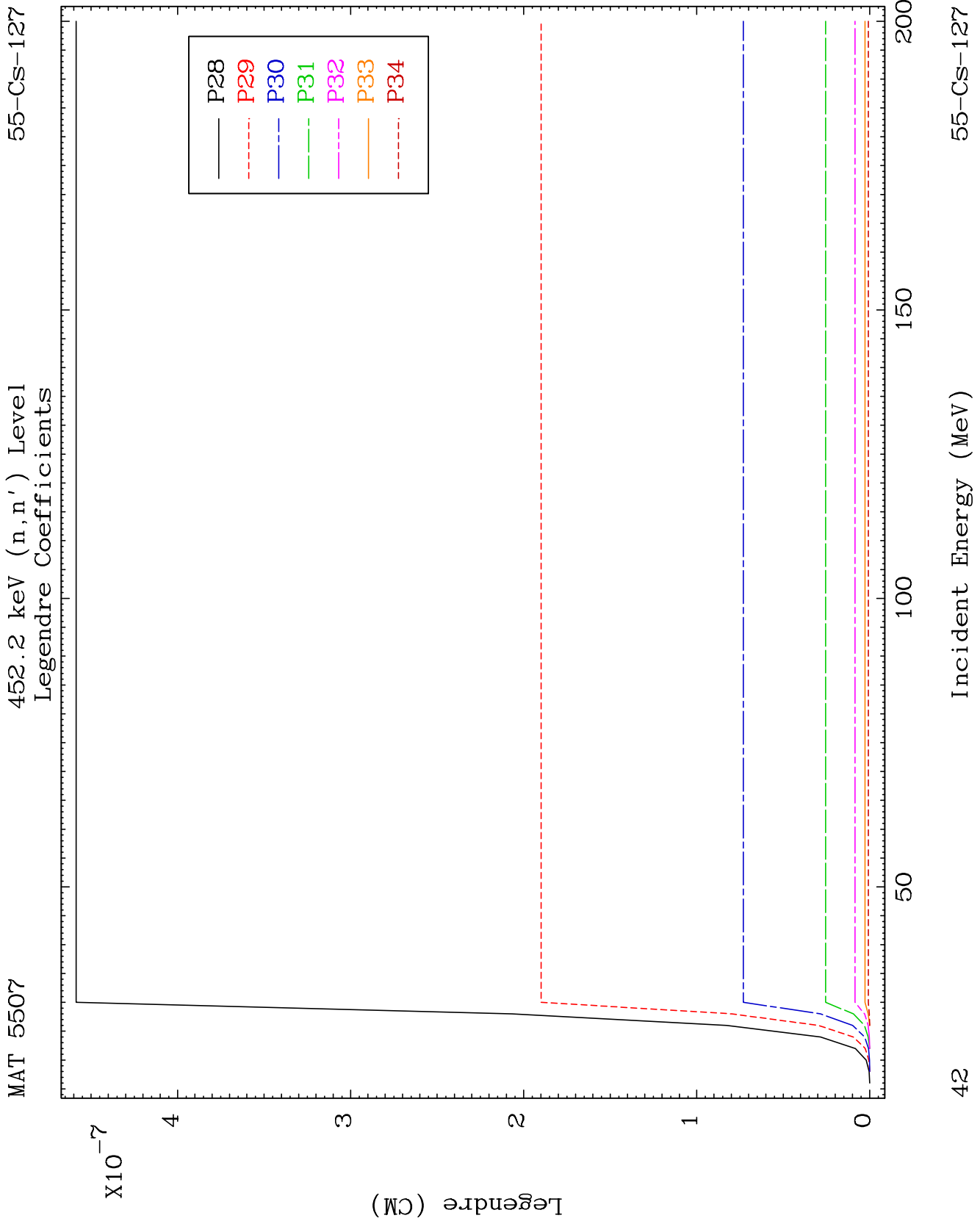








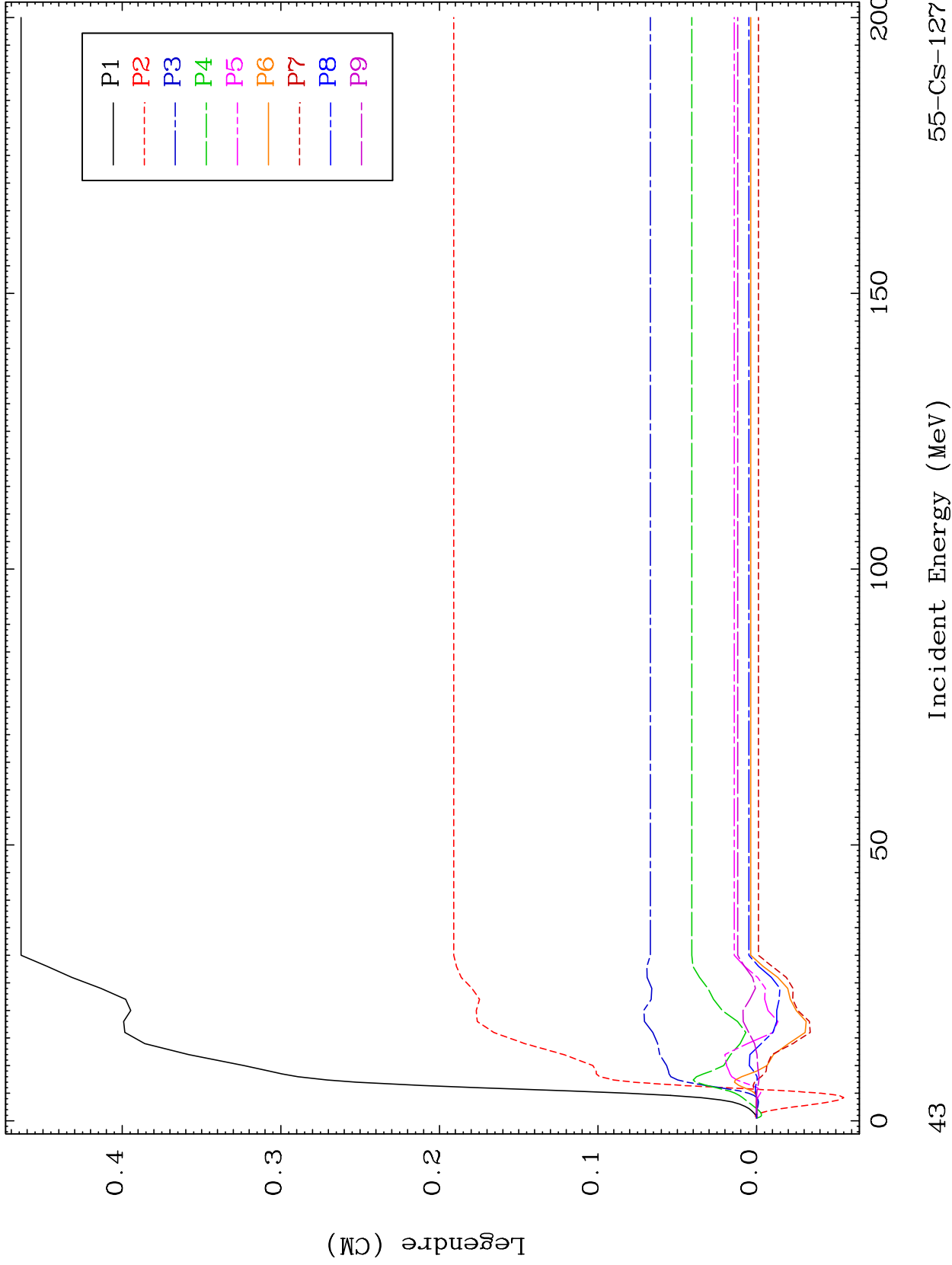




MAT 5507

454.4 keV (n,n') Level  
Legendre Coefficients

55-Cs-127



55-Cs-127

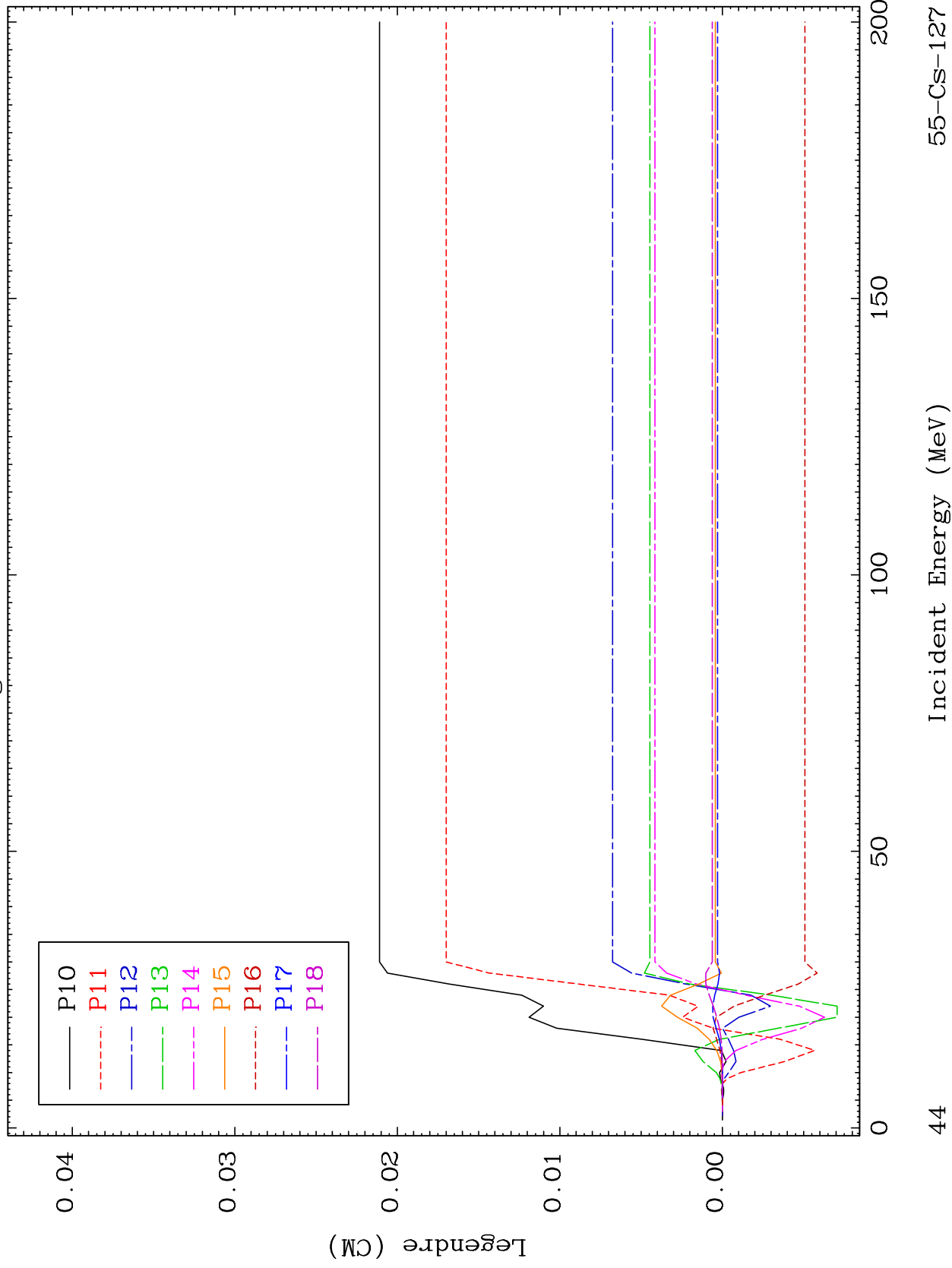
Incident Energy (MeV)

43

MAT 5507

454.4 keV (n,n') Level  
Legendre Coefficients

55-Cs-127



55-Cs-127

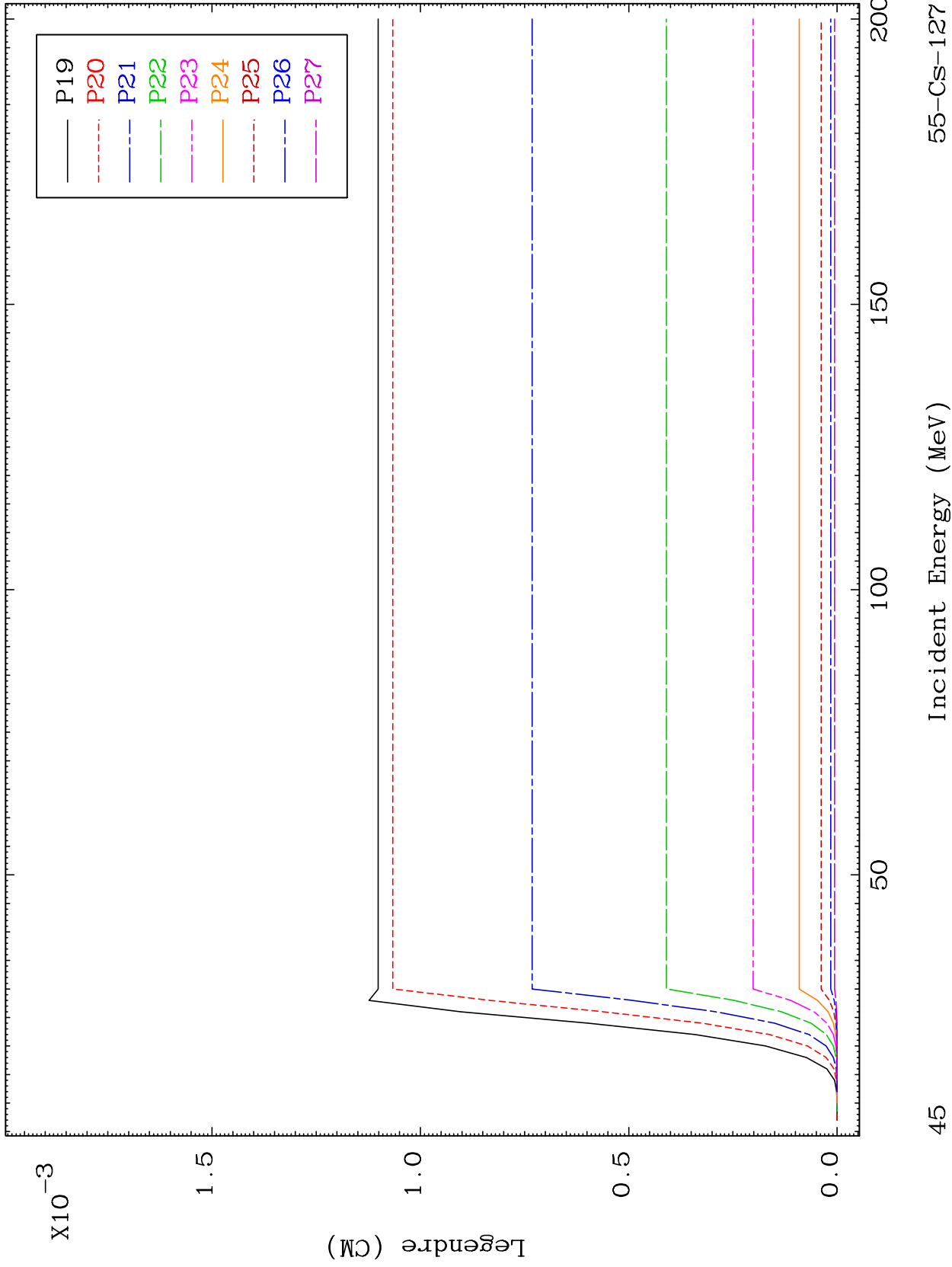
Incident Energy (MeV)

44

MAT 5507

454.4 keV (n,n') Level  
Legendre Coefficients

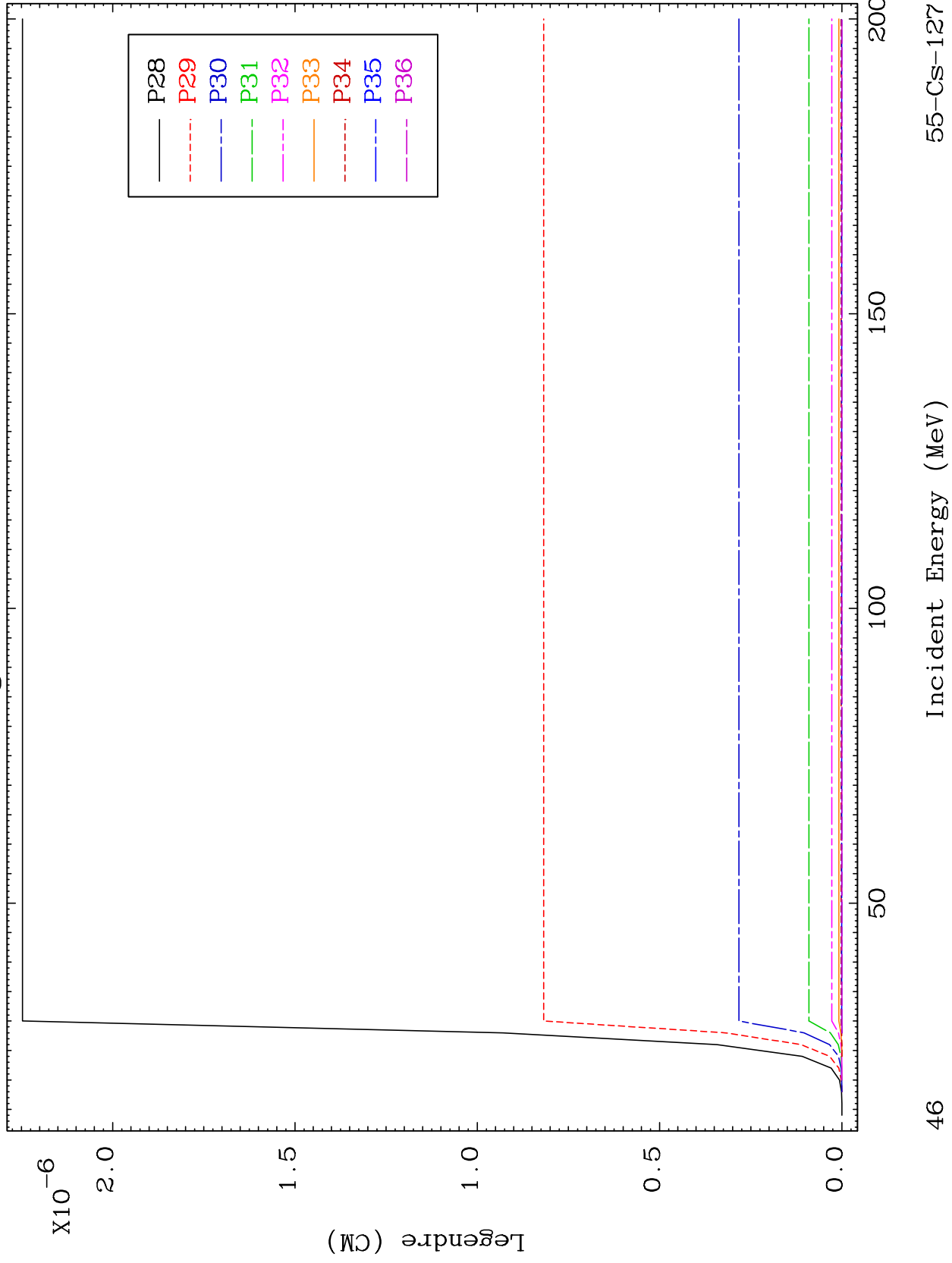
55-Cs-127



MAT 5507

454.4 keV (n,n') Level  
Legendre Coefficients

55-Cs-127



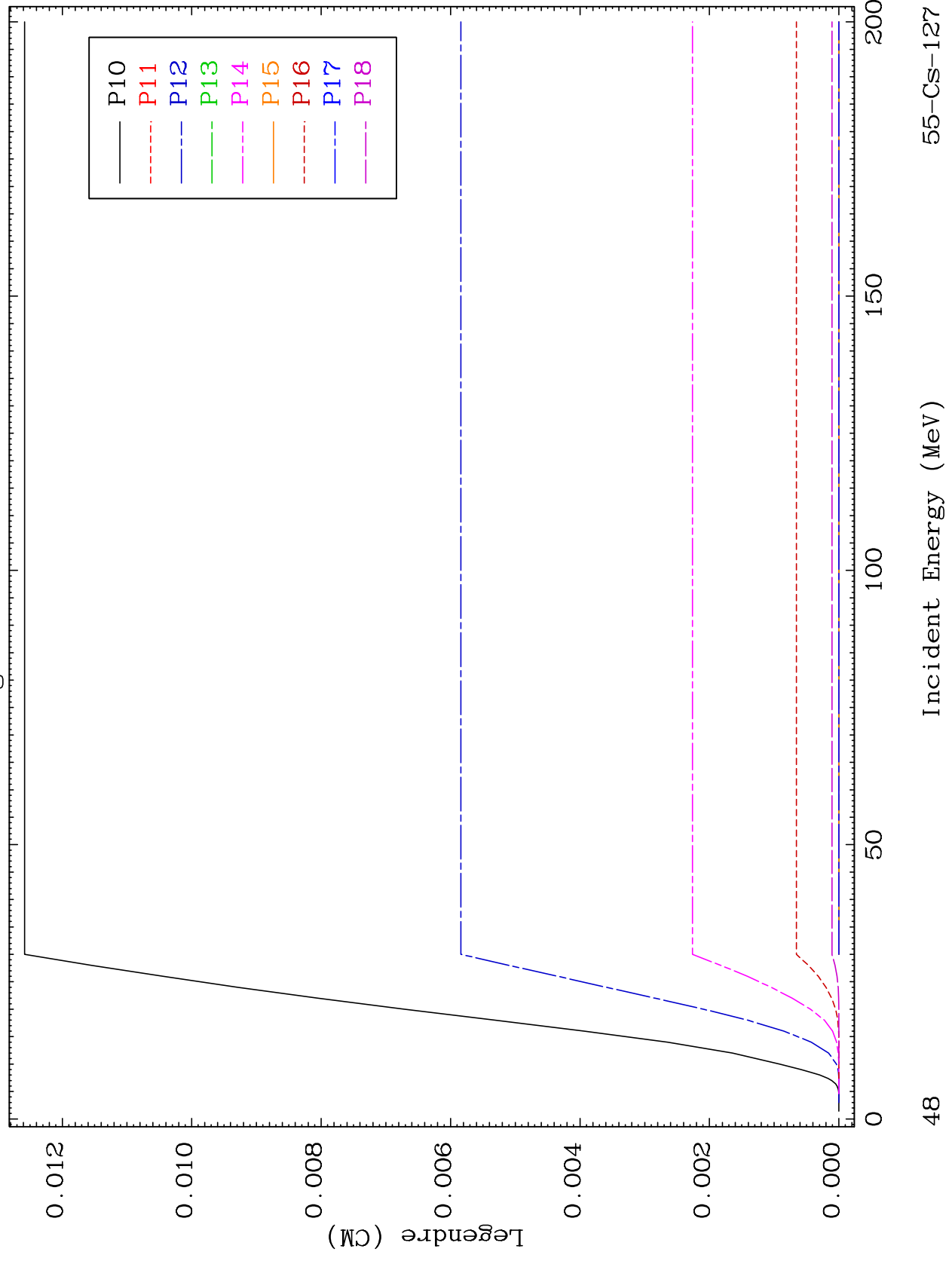




MAT 5507

567.6 keV (n,n') Level  
Legendre Coefficients

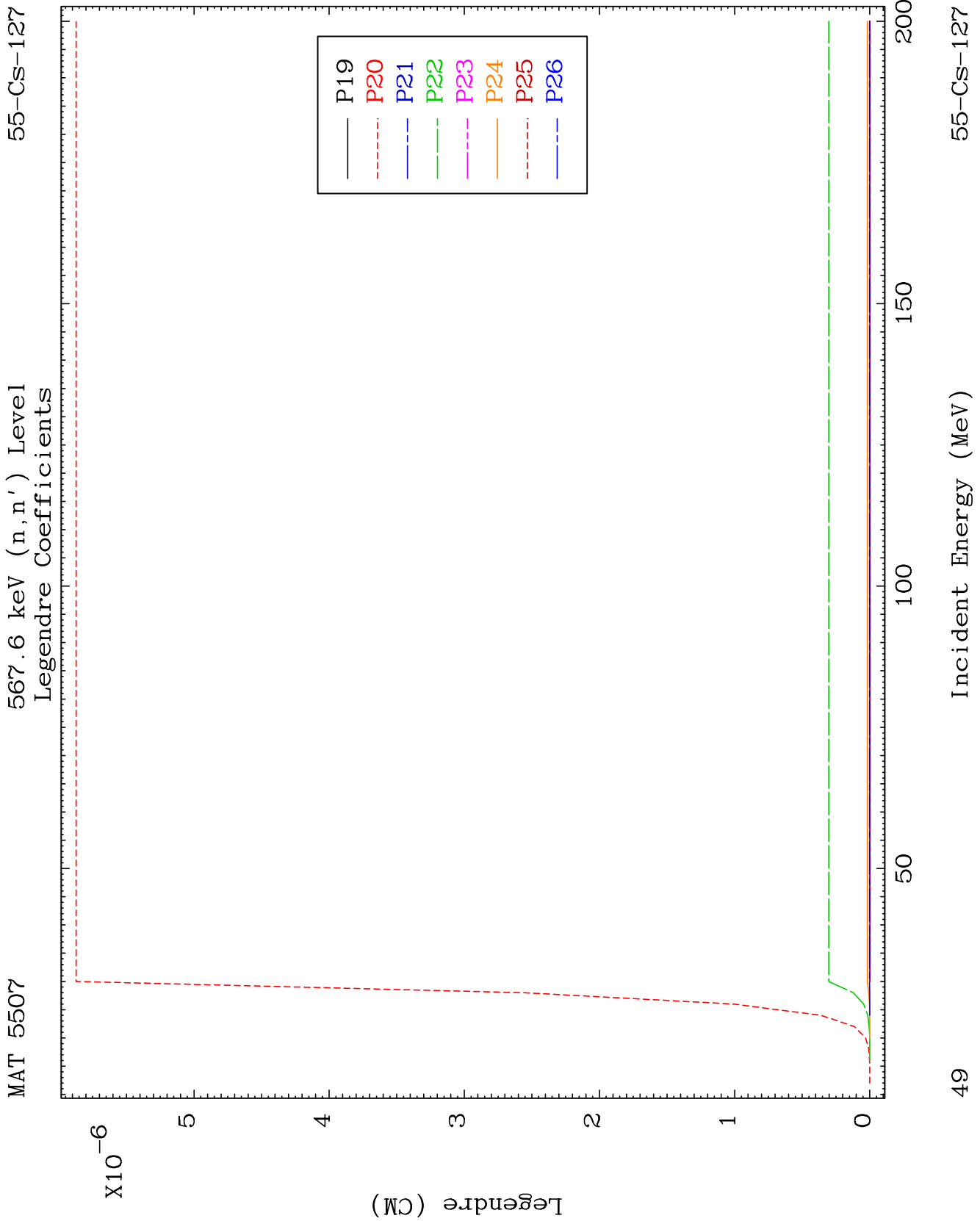
55-Cs-127



55-Cs-127

Incident Energy (MeV)

48

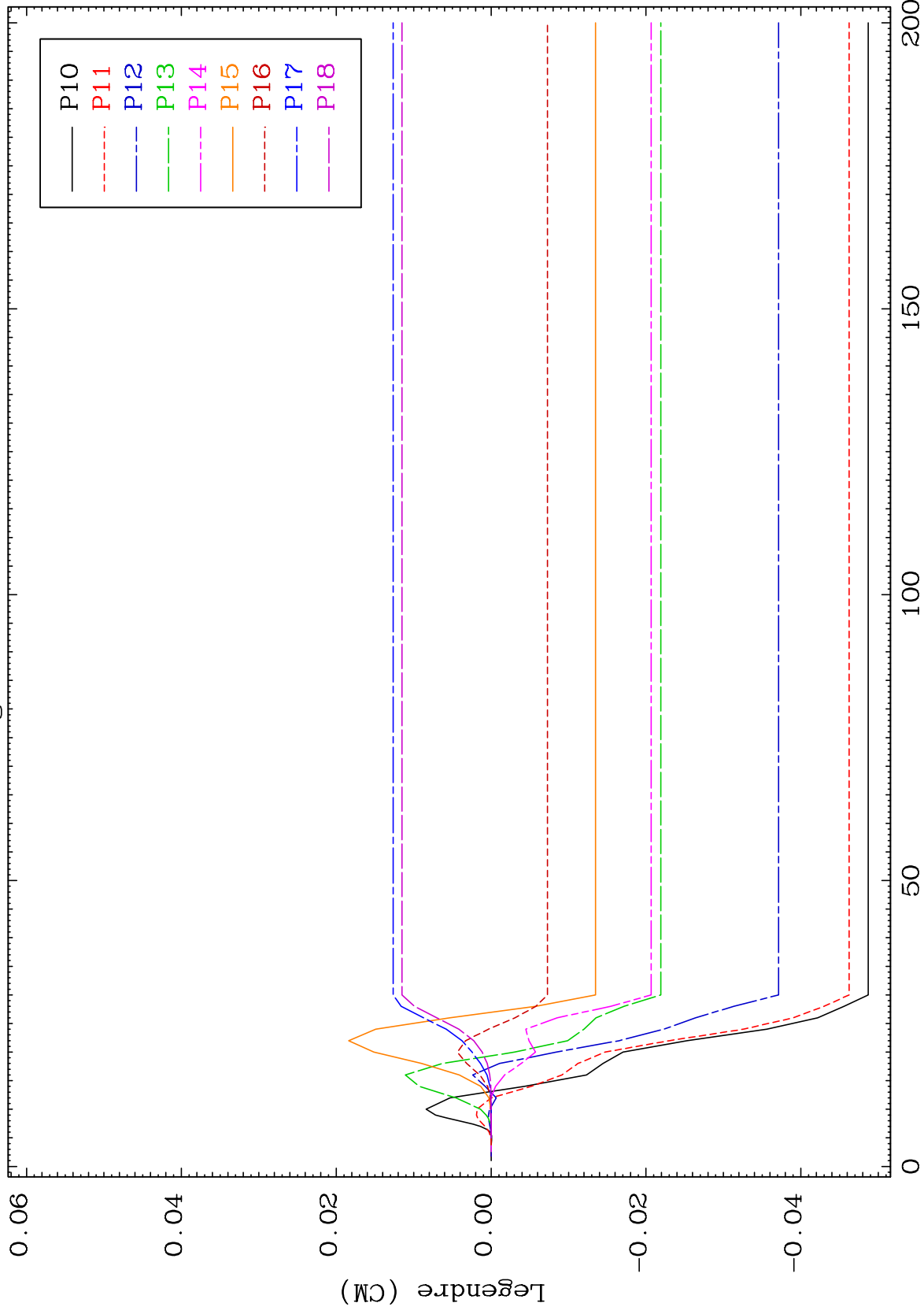




MAT 5507

578.0 keV (n,n') Level  
Legendre Coefficients

55-Cs-127



51

Incident Energy (MeV)

55-Cs-127

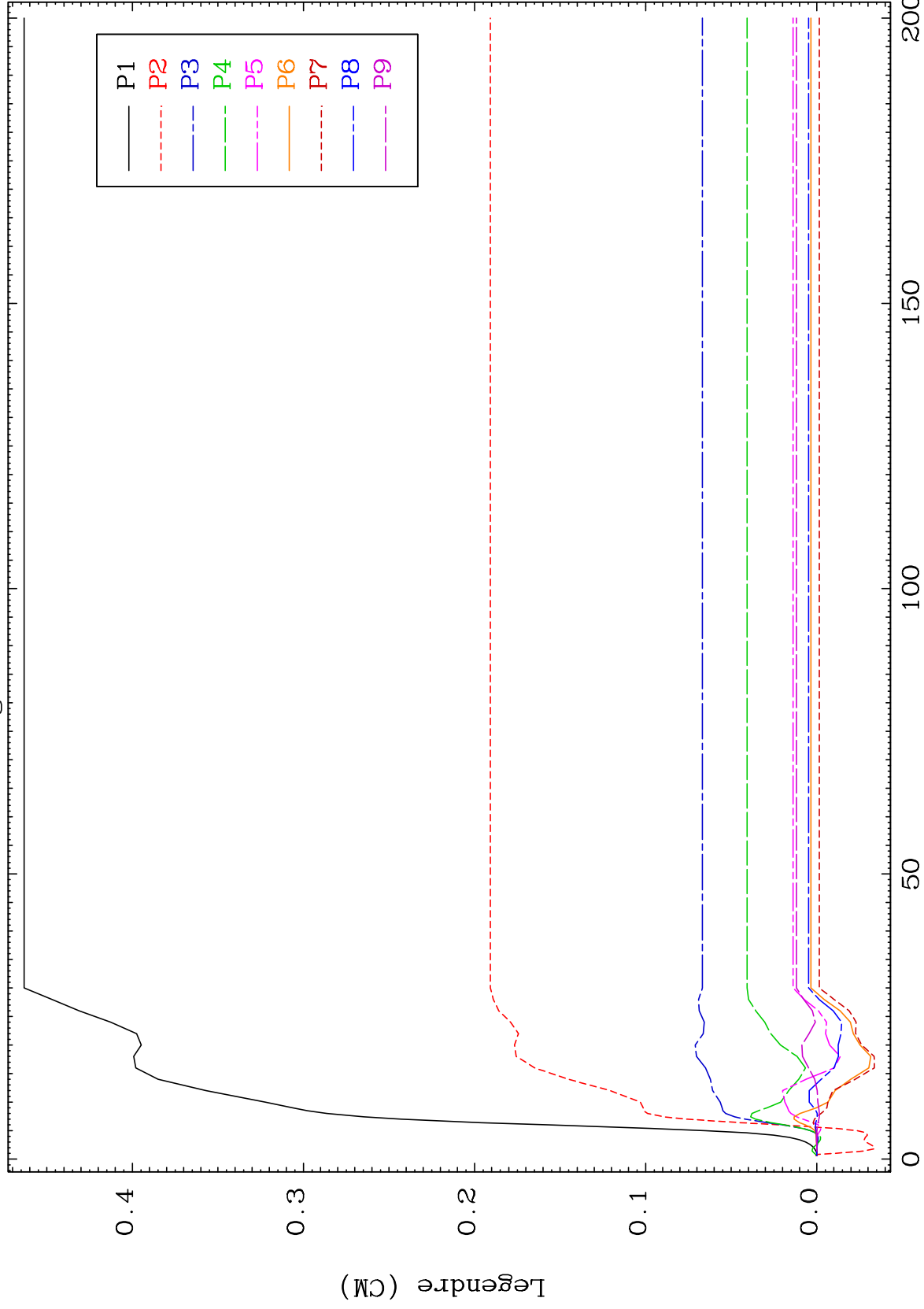




MAT 5507

589.7 keV (n,n') Level  
Legendre Coefficients

55-Cs-127



54

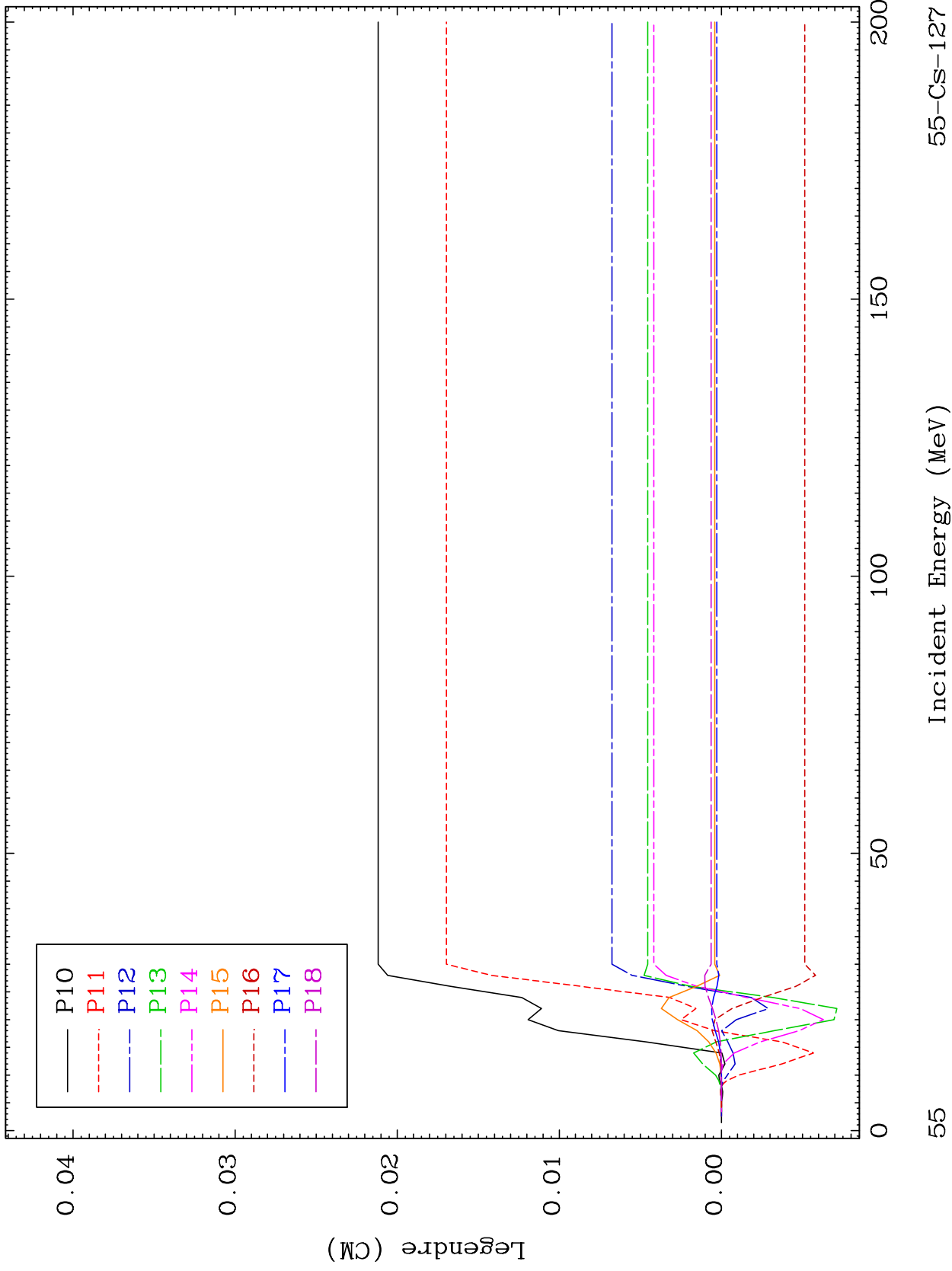
Incident Energy (MeV)

55-Cs-127

MAT 5507

589.7 keV (n,n') Level  
Legendre Coefficients

55-Cs-127

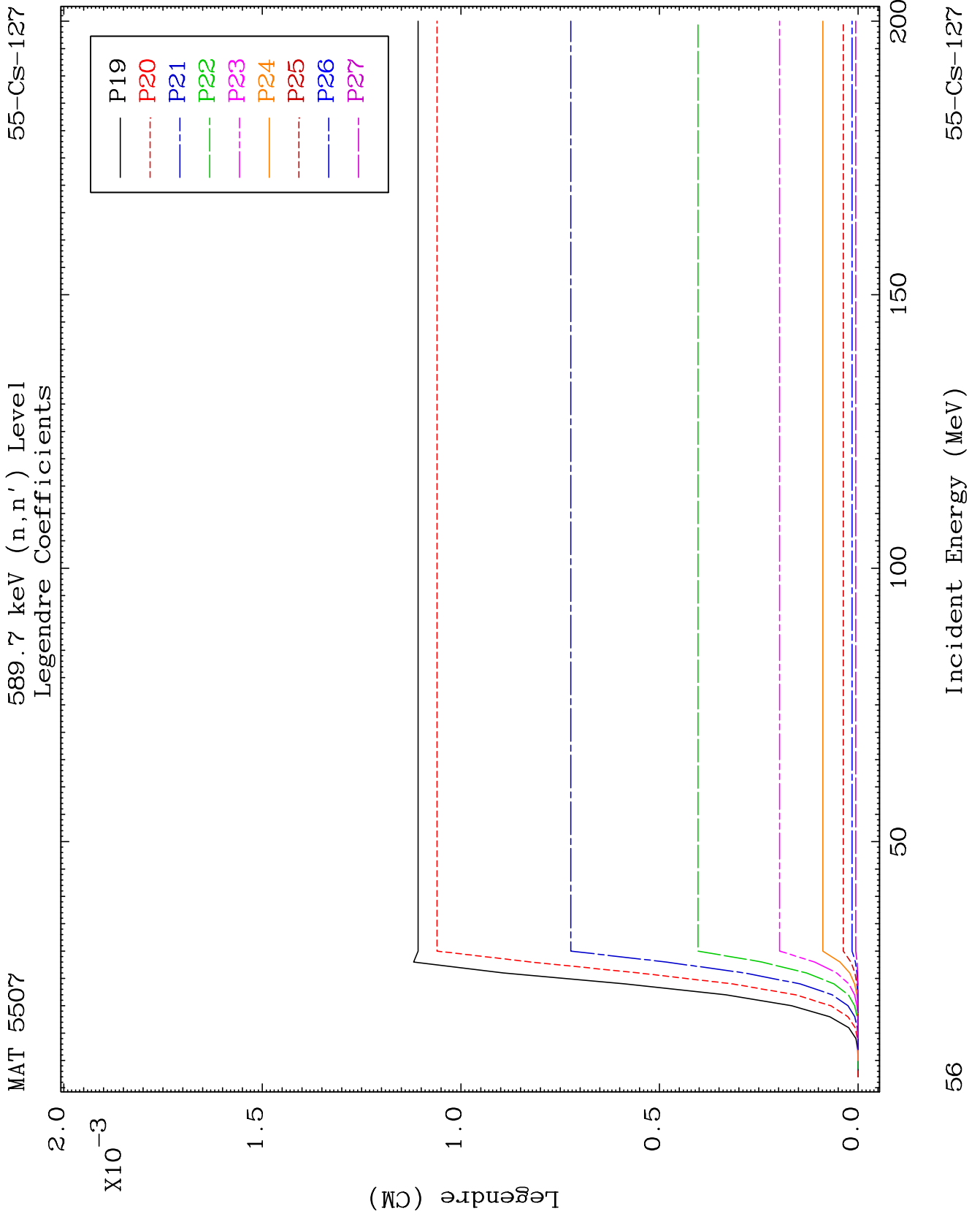


55-Cs-127

Incident Energy (MeV)

55

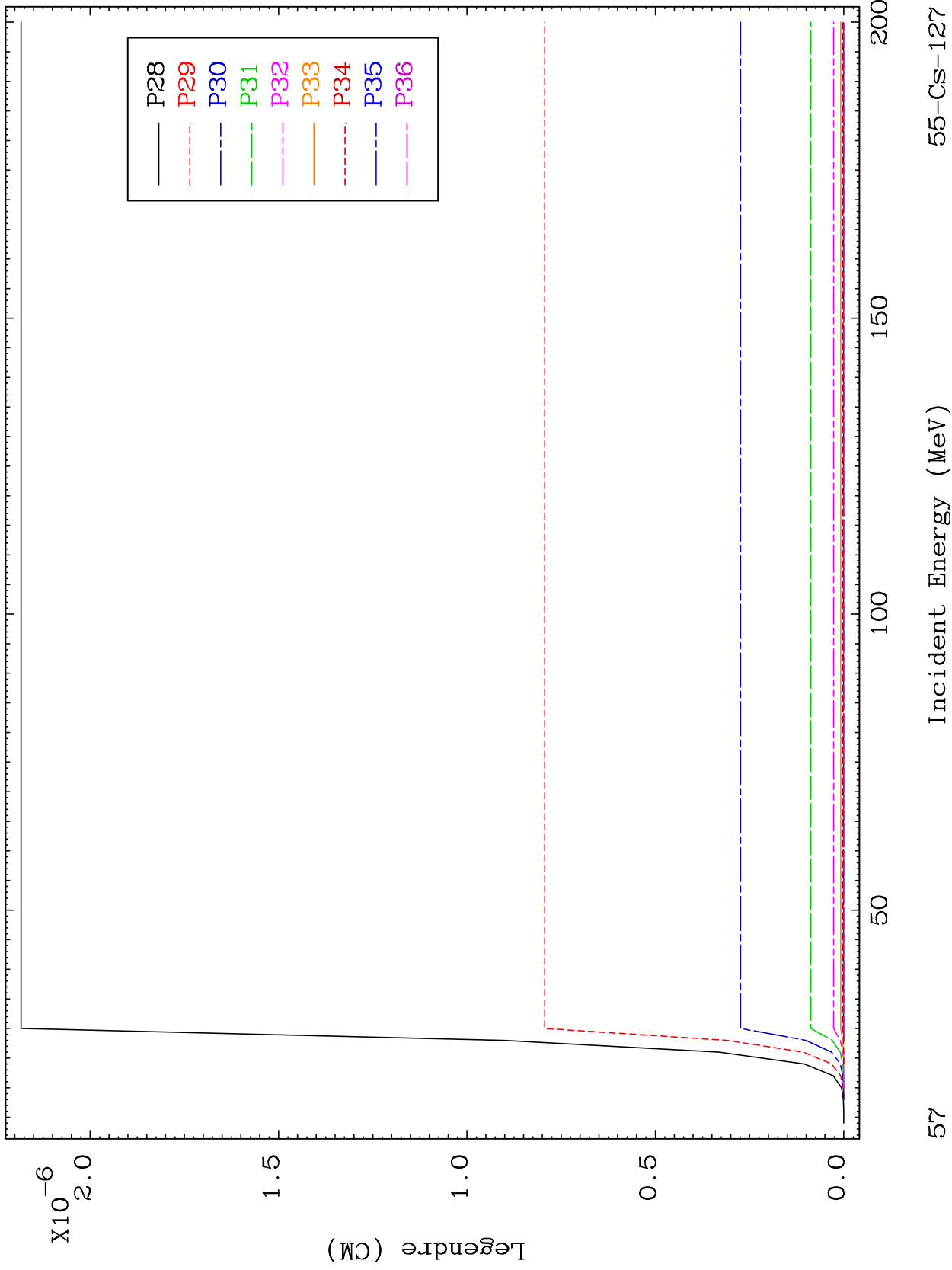


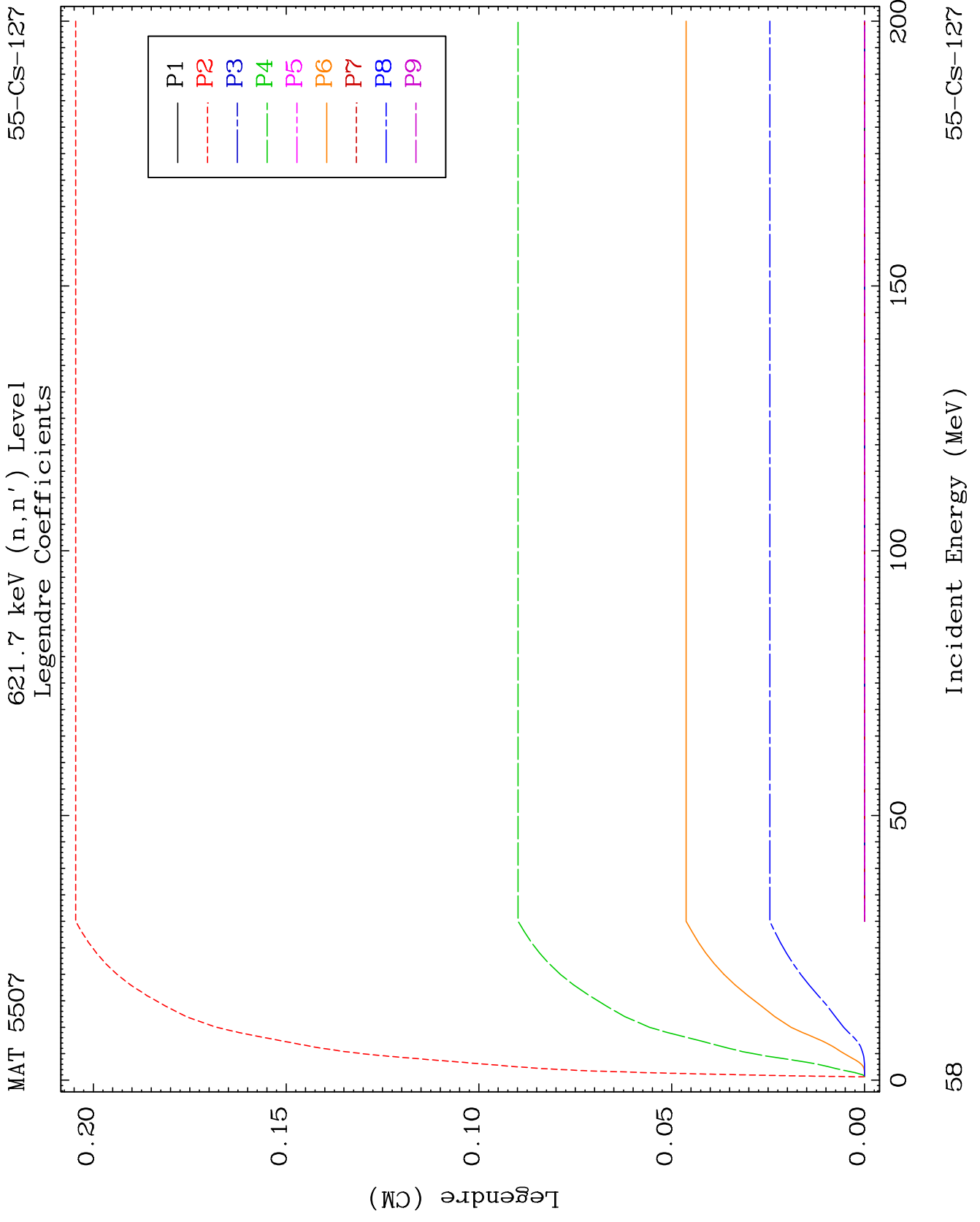


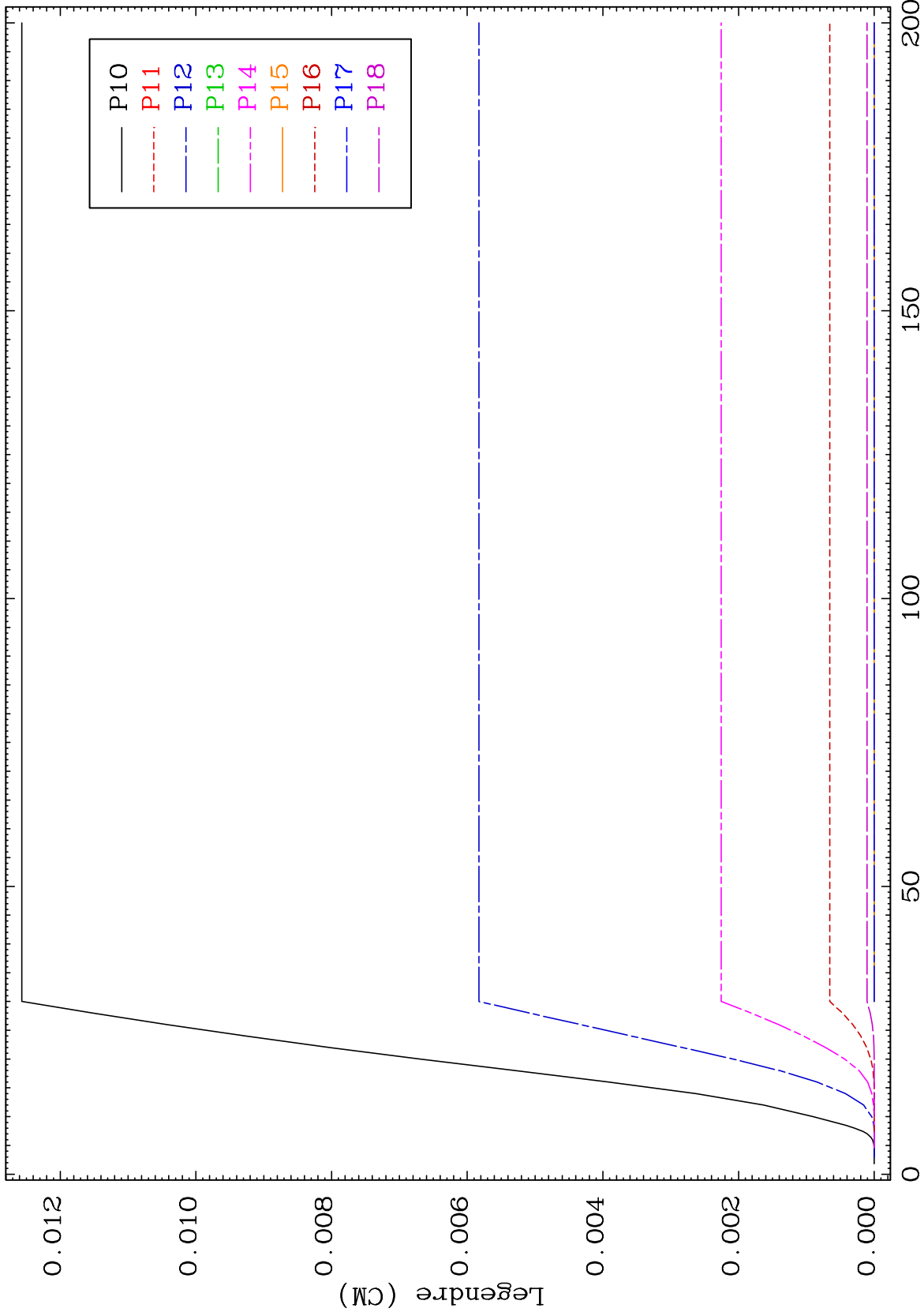
MAT 5507

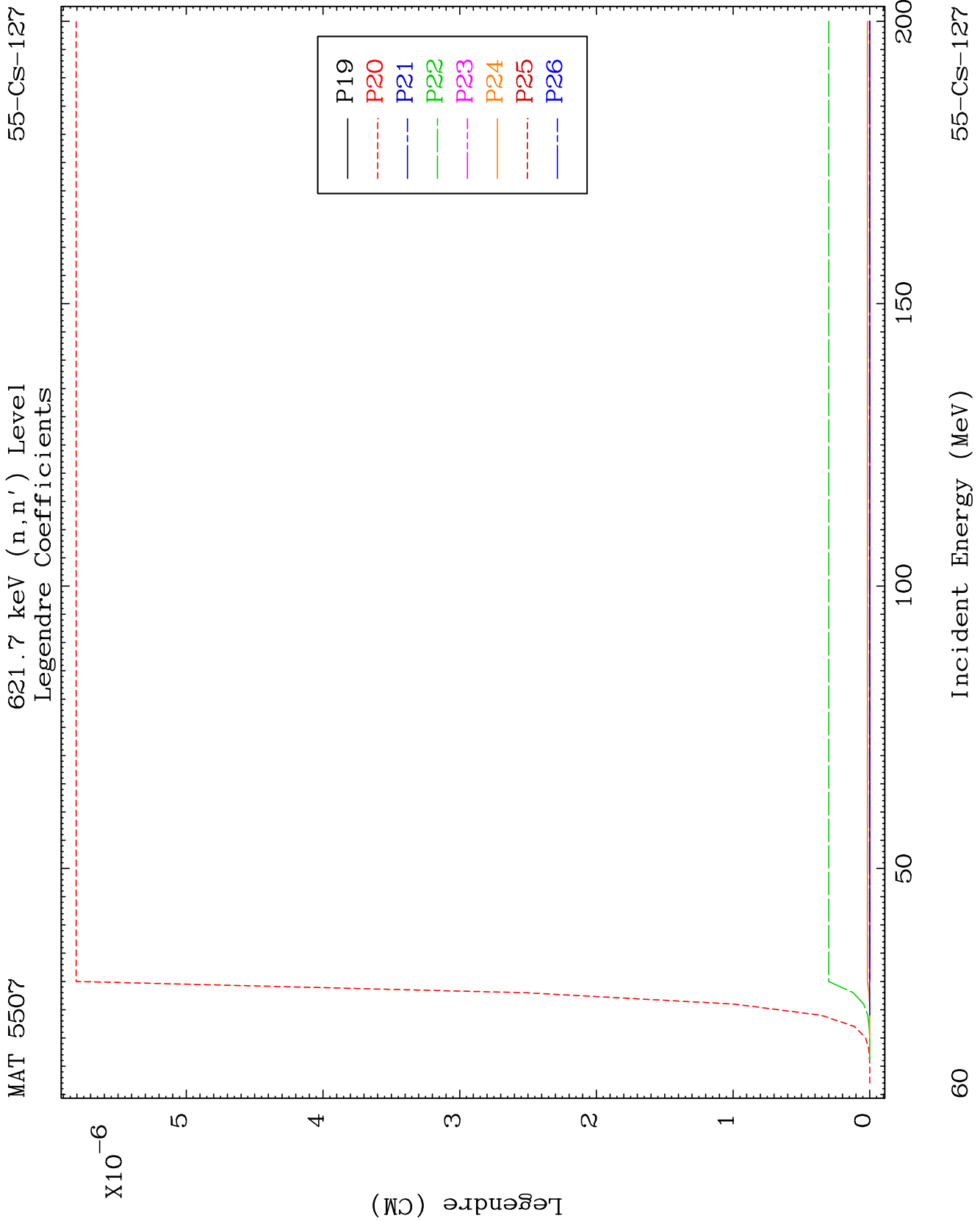
589.7 keV (n,n') Level  
Legendre Coefficients

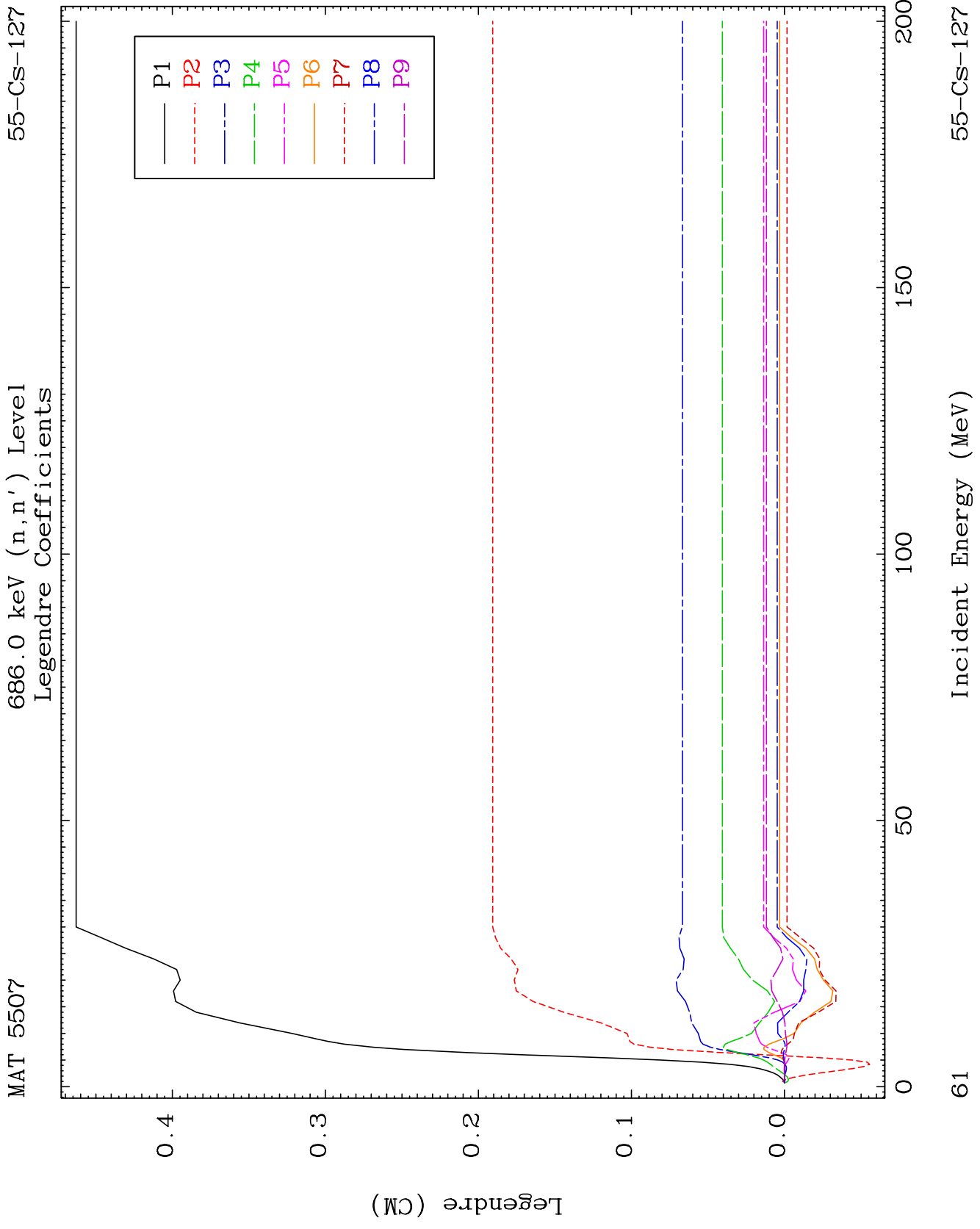
55-Cs-127







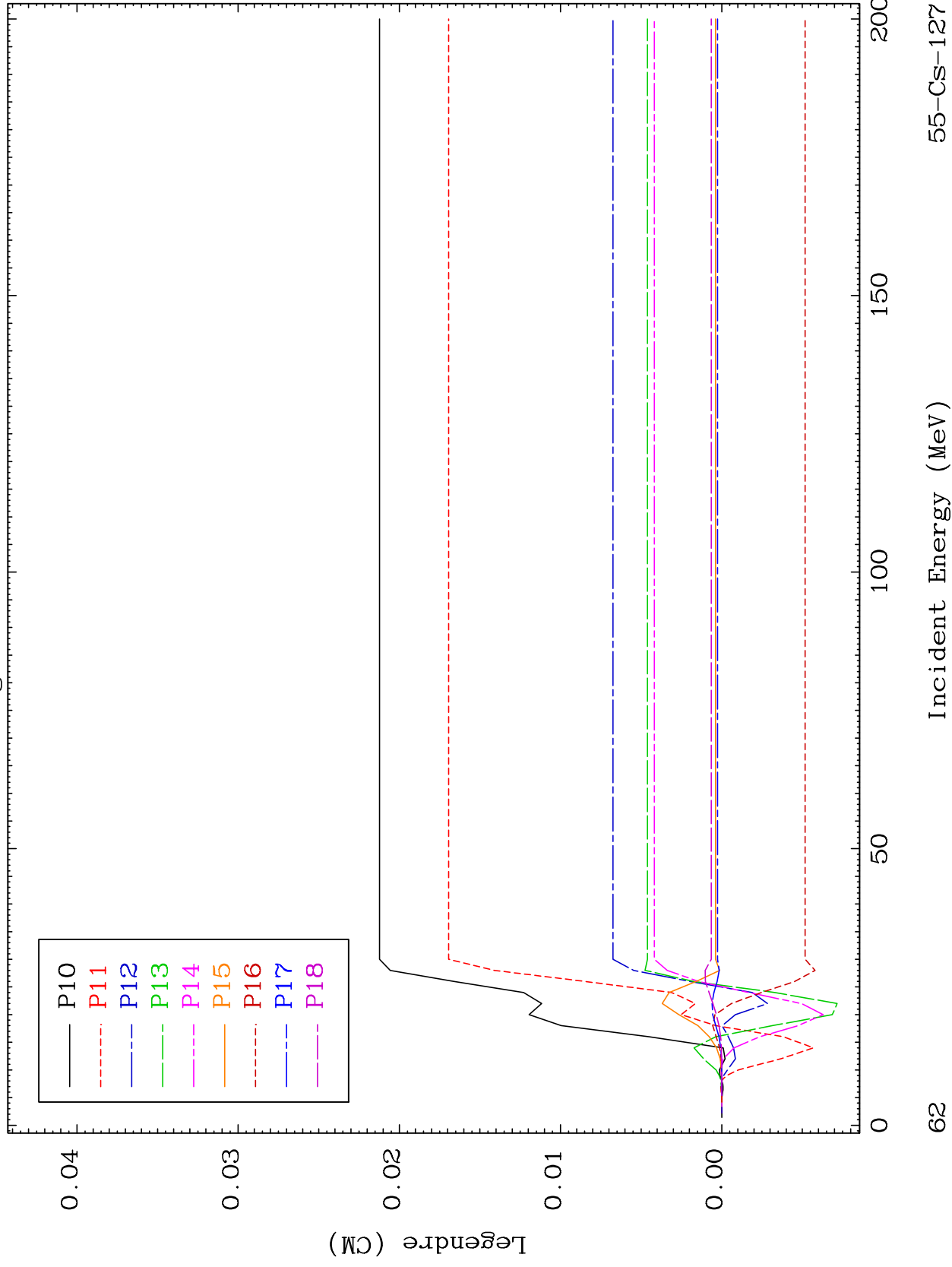




MAT 5507

686.0 keV (n,n') Level  
Legendre Coefficients

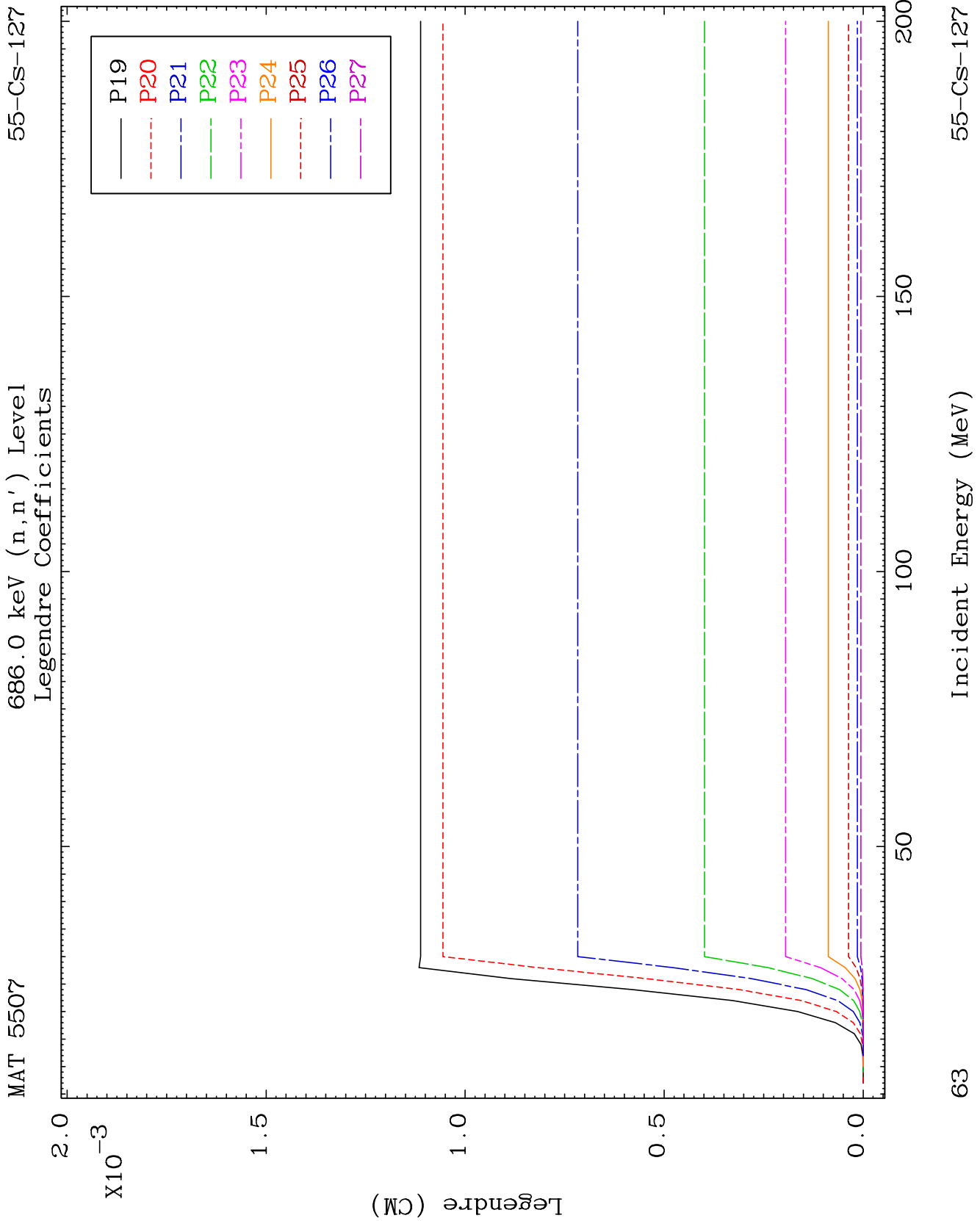
55-Cs-127



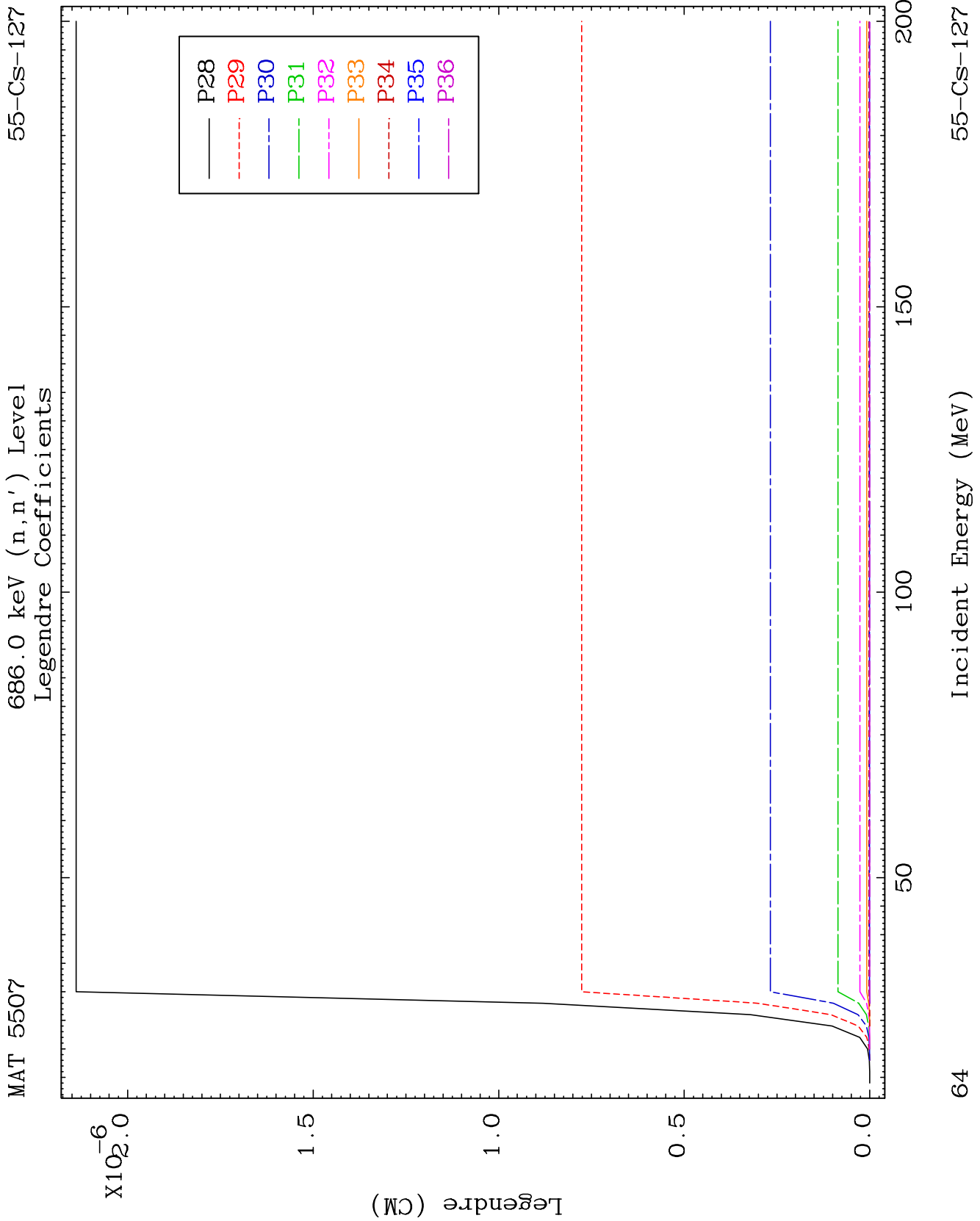
55-Cs-127

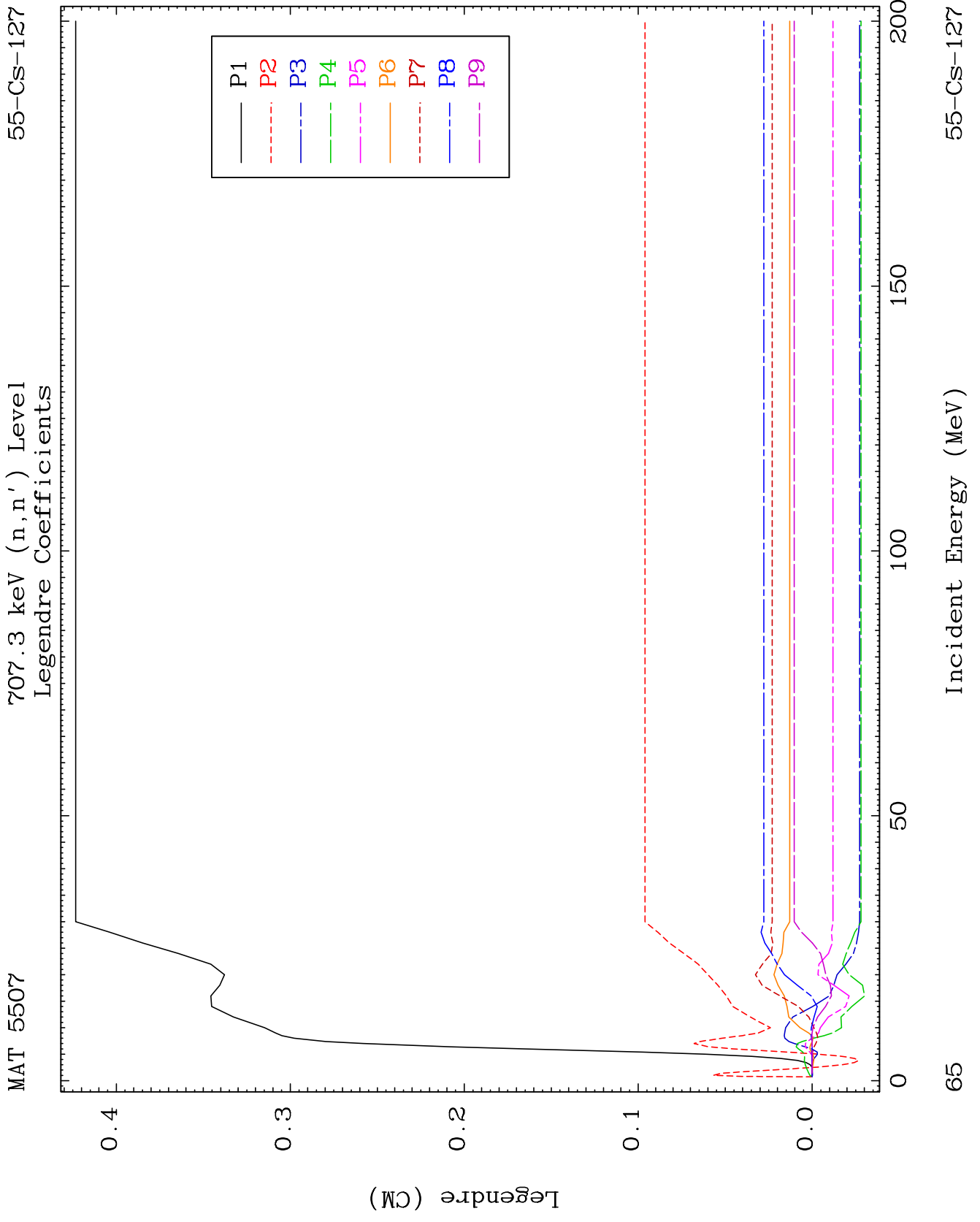
Incident Energy (MeV)

62





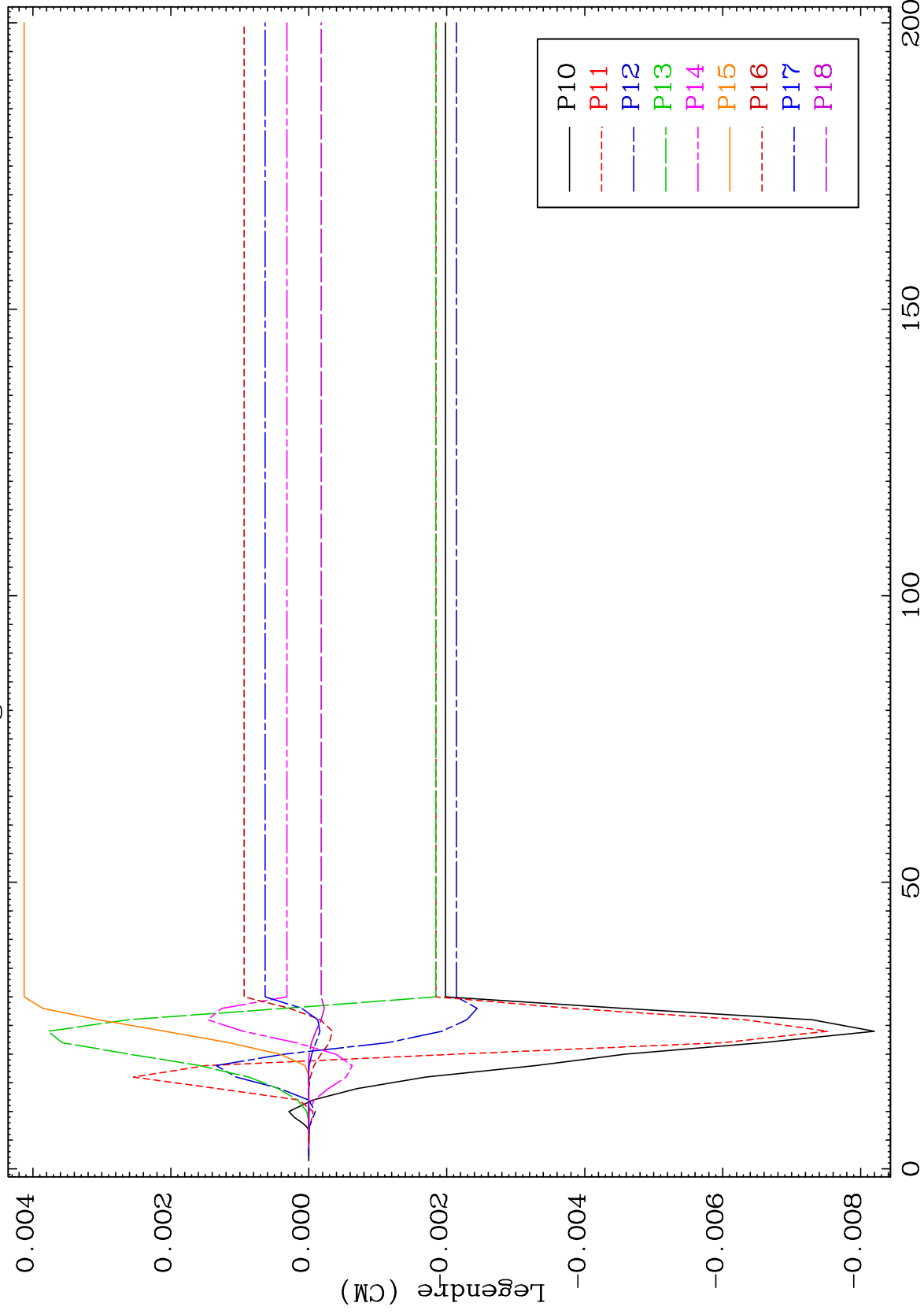




MAT 5507

707.3 keV (n,n') Level  
Legendre Coefficients

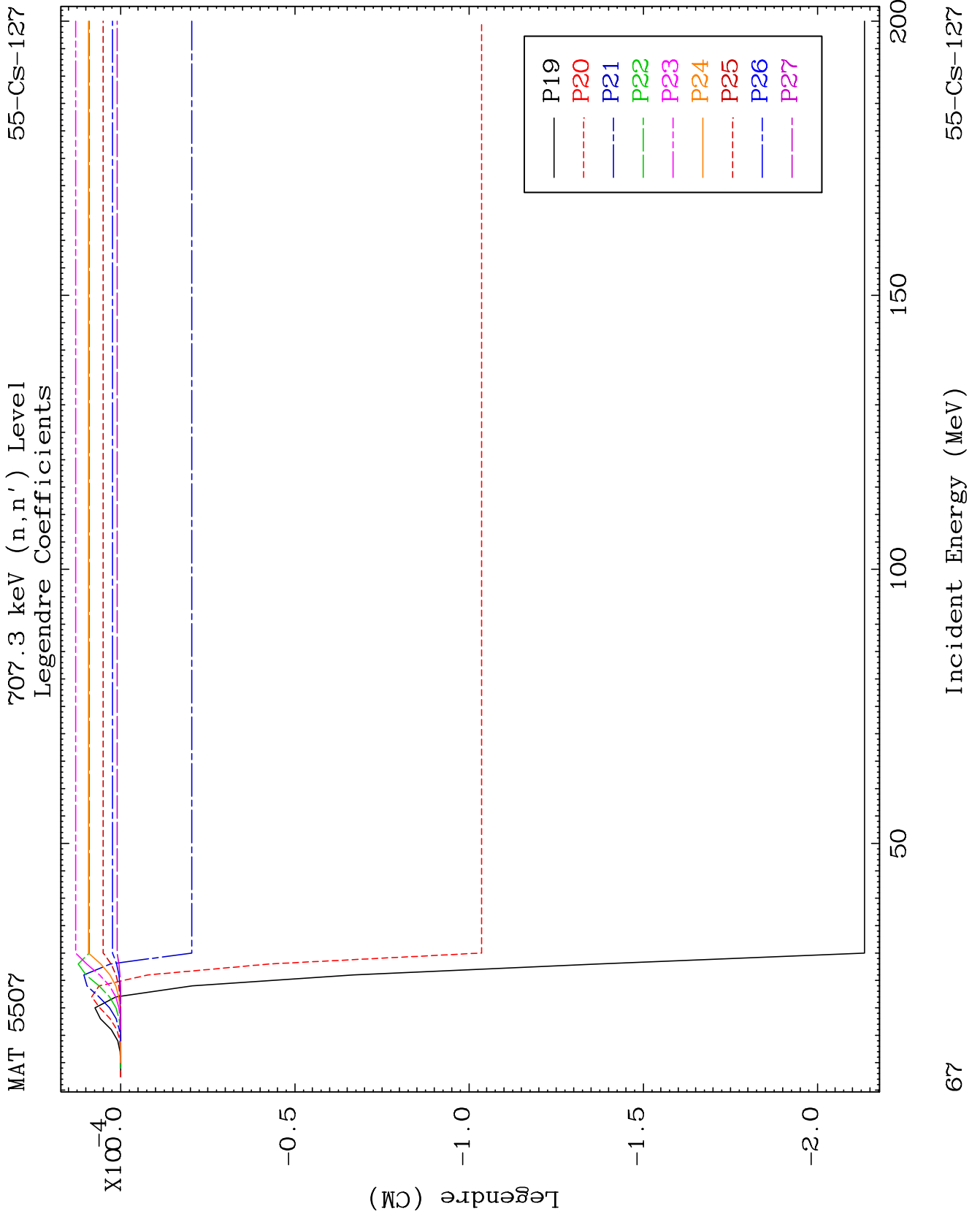
55-Cs-127



66

Incident Energy (MeV)

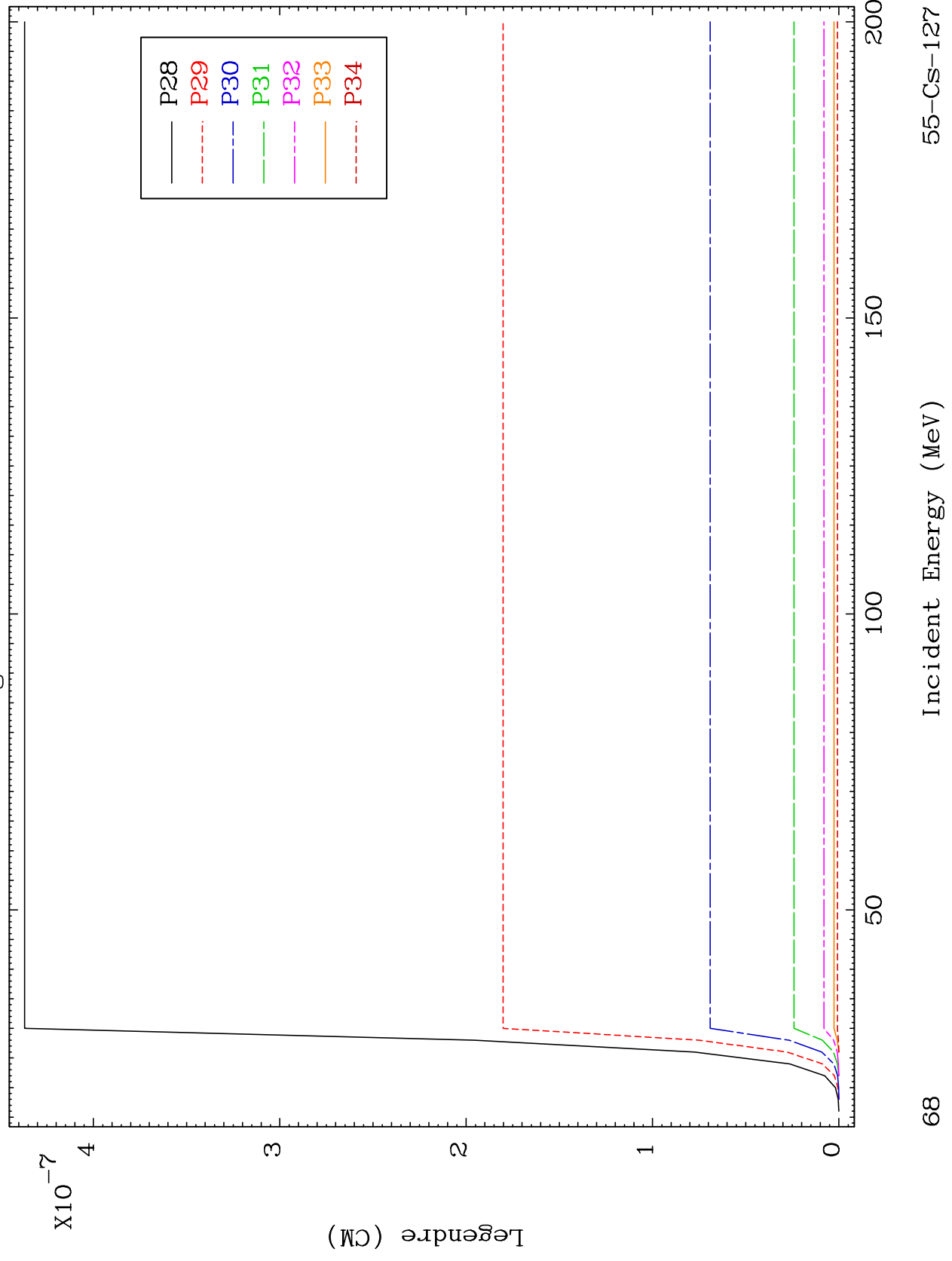
55-Cs-127



MAT 5507

707.3 keV (n,n') Level  
Legendre Coefficients

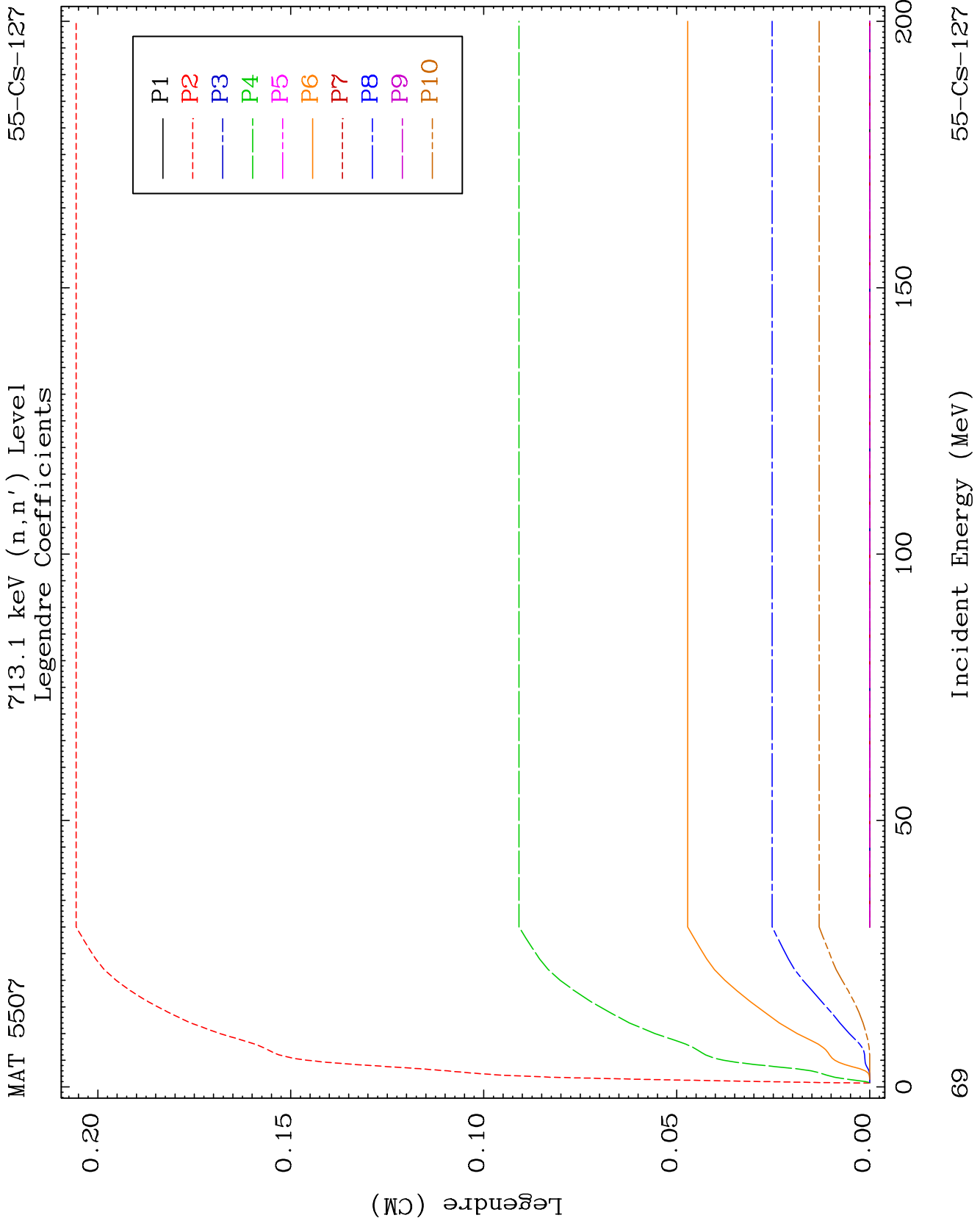
55-Cs-127

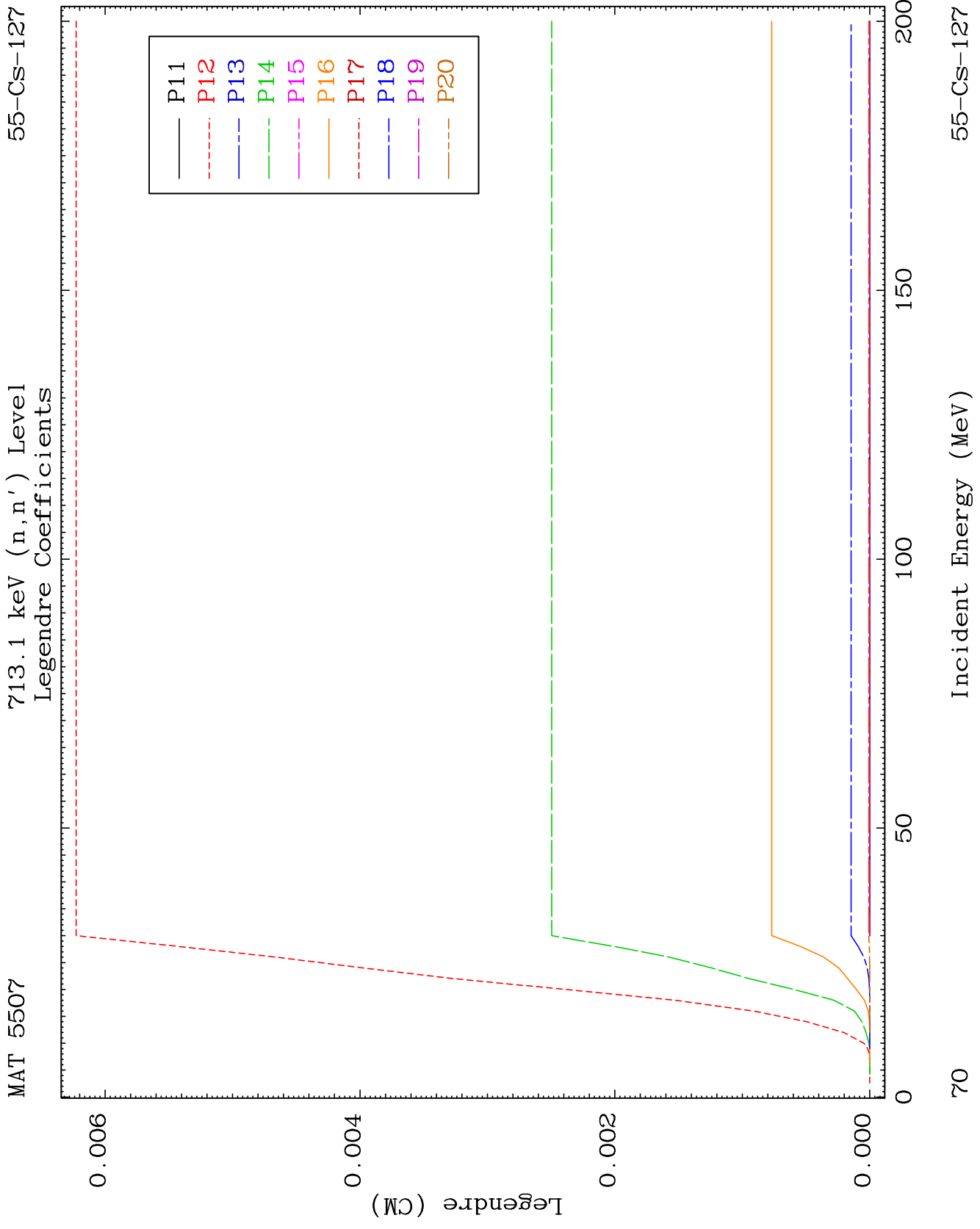


68

Incident Energy (MeV)

55-Cs-127





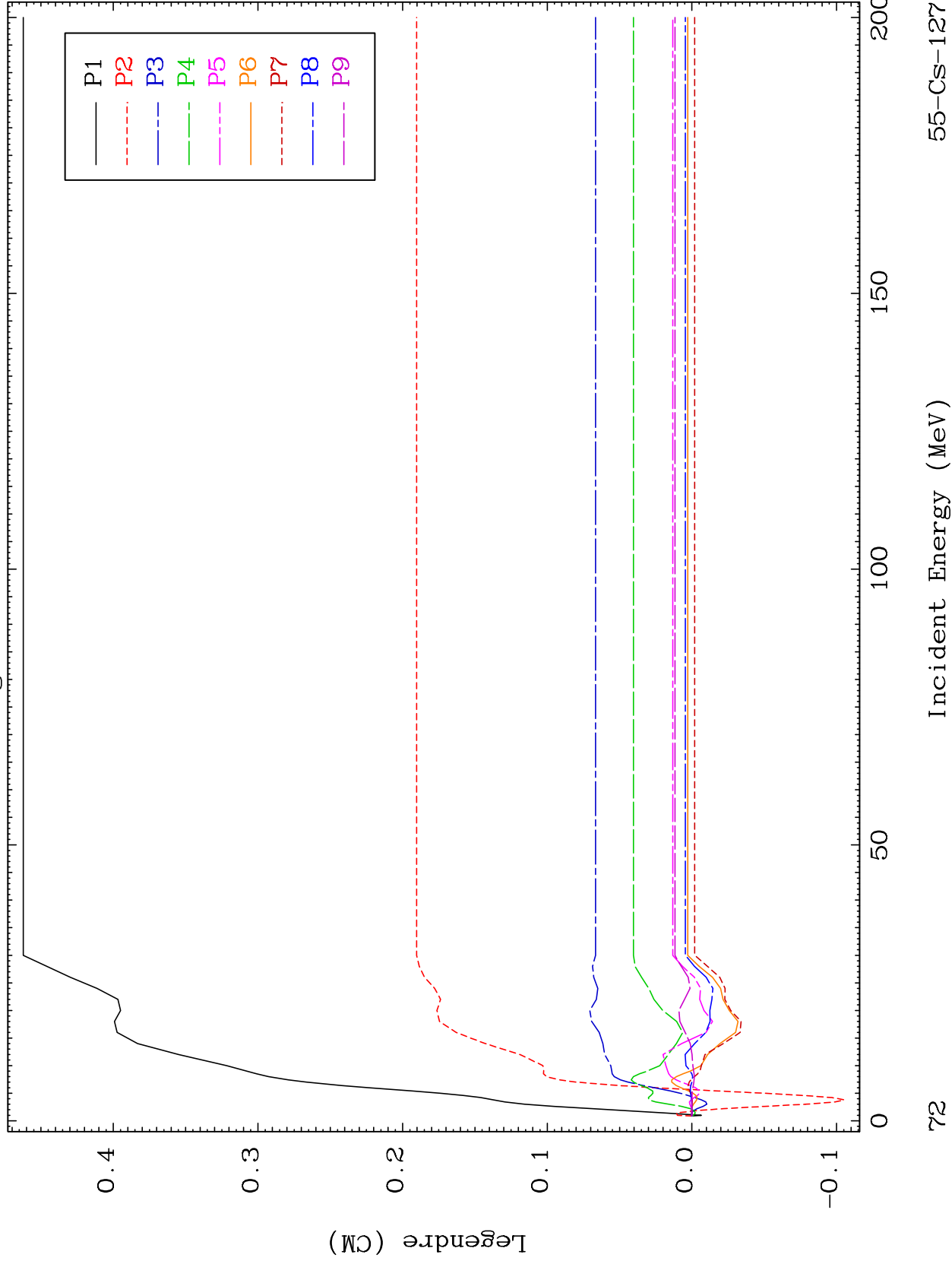




MAT 5507

854.1 keV (n,n') Level  
Legendre Coefficients

55-Cs-127



55-Cs-127

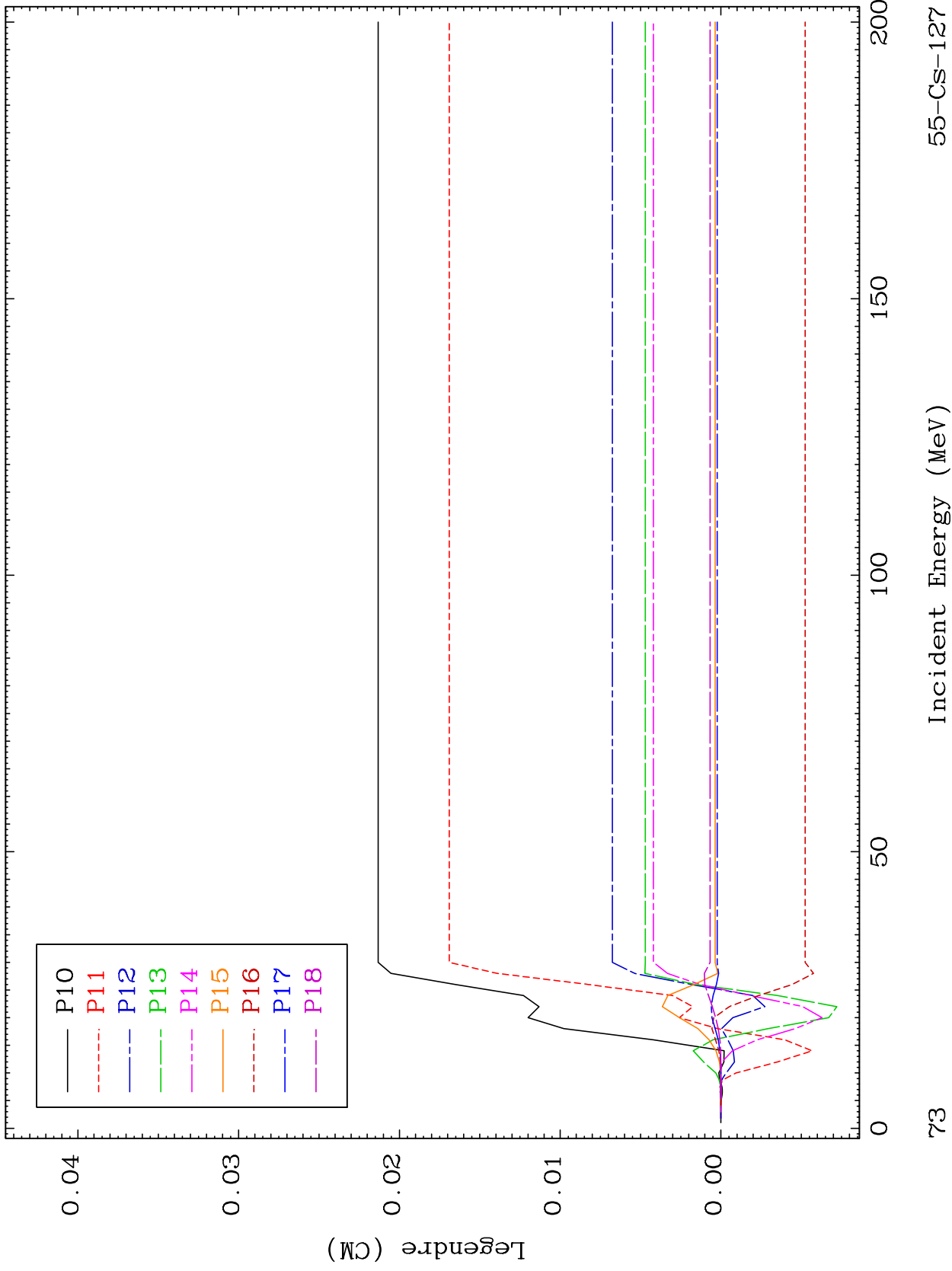
Incident Energy (MeV)

72

MAT 5507

854.1 keV (n,n') Level  
Legendre Coefficients

55-Cs-127



55-Cs-127

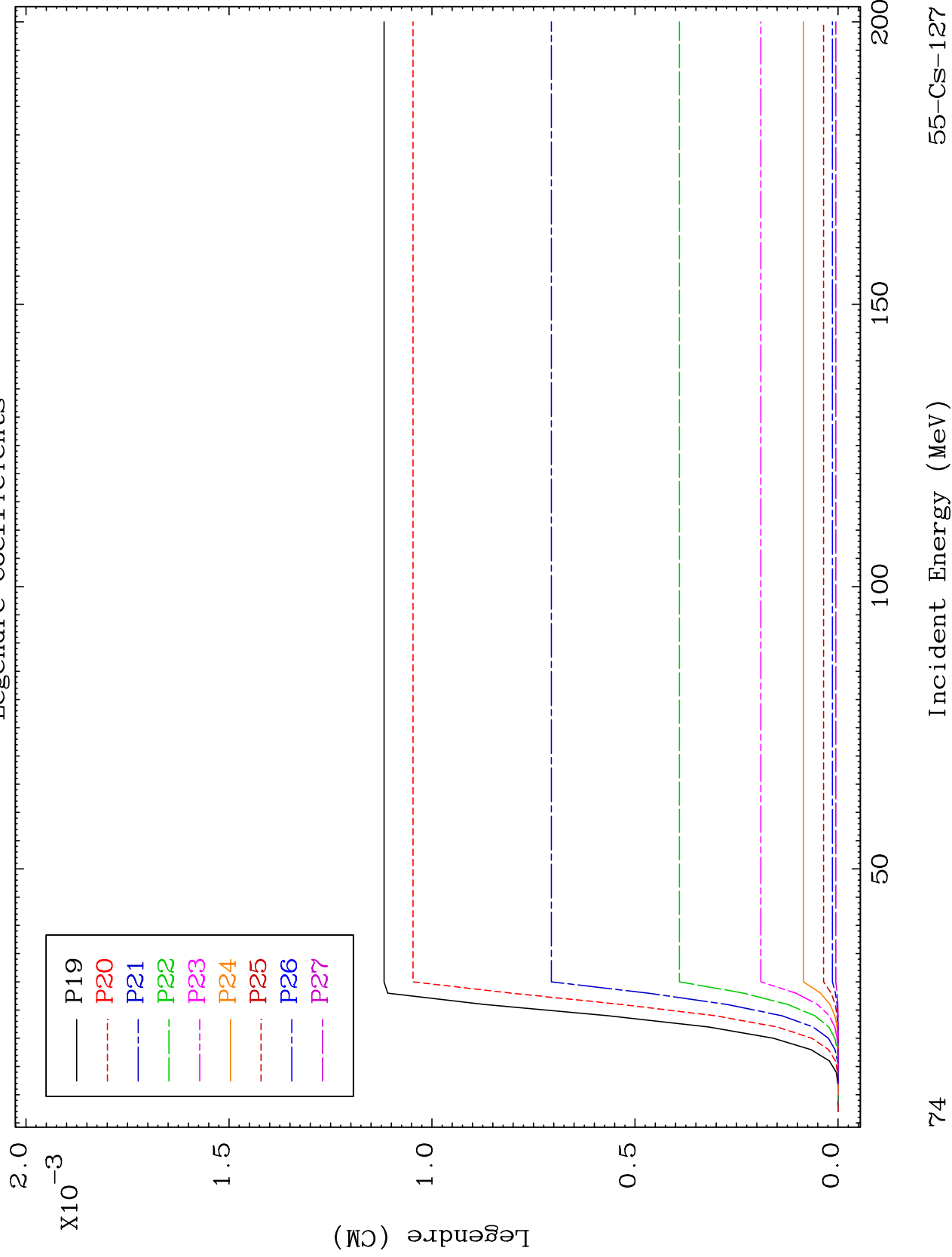
Incident Energy (MeV)

73

MAT 5507

854.1 keV (n,n') Level  
Legendre Coefficients

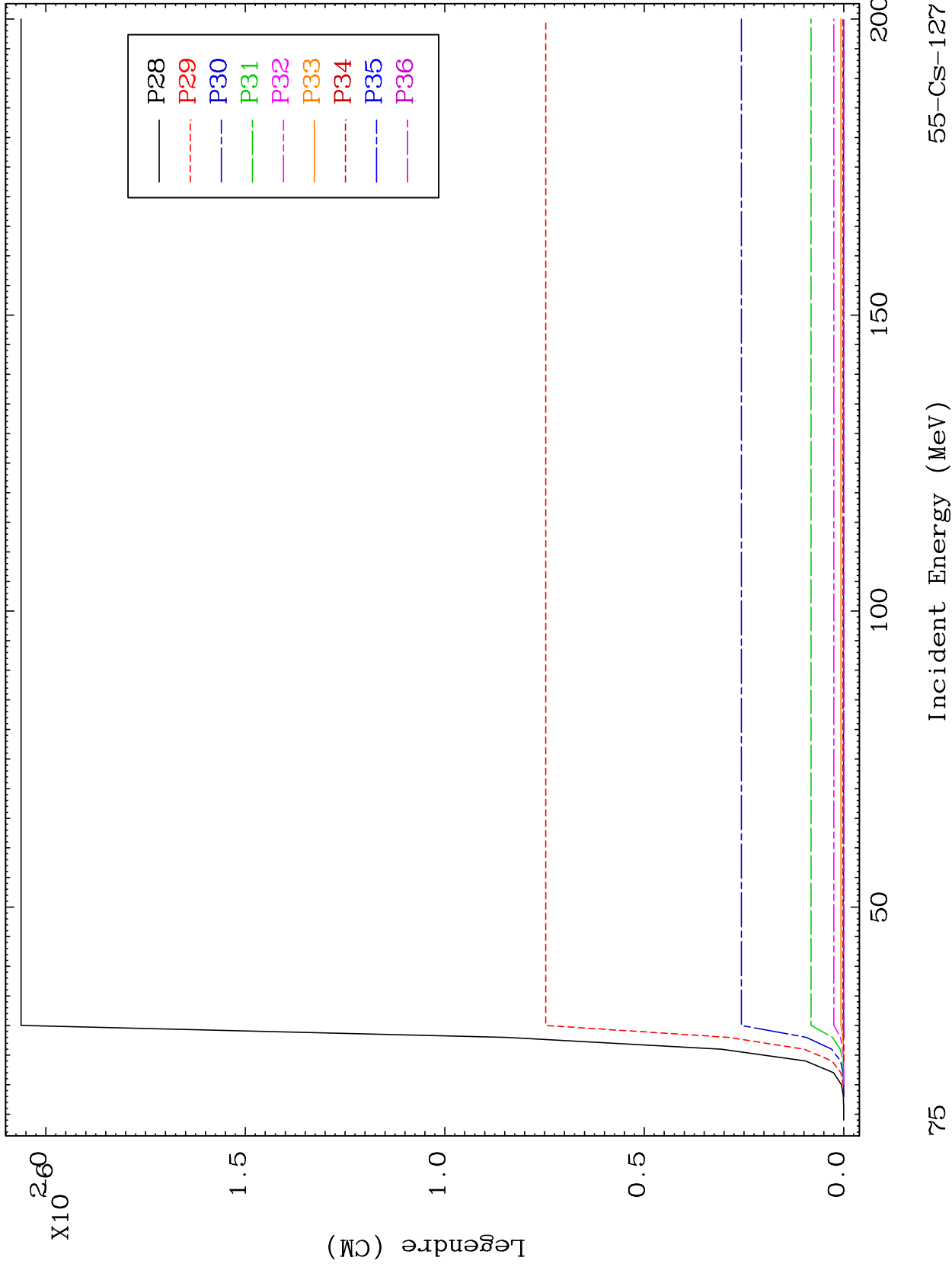
55-Cs-127



MAT 5507

854.1 keV (n,n') Level  
Legendre Coefficients

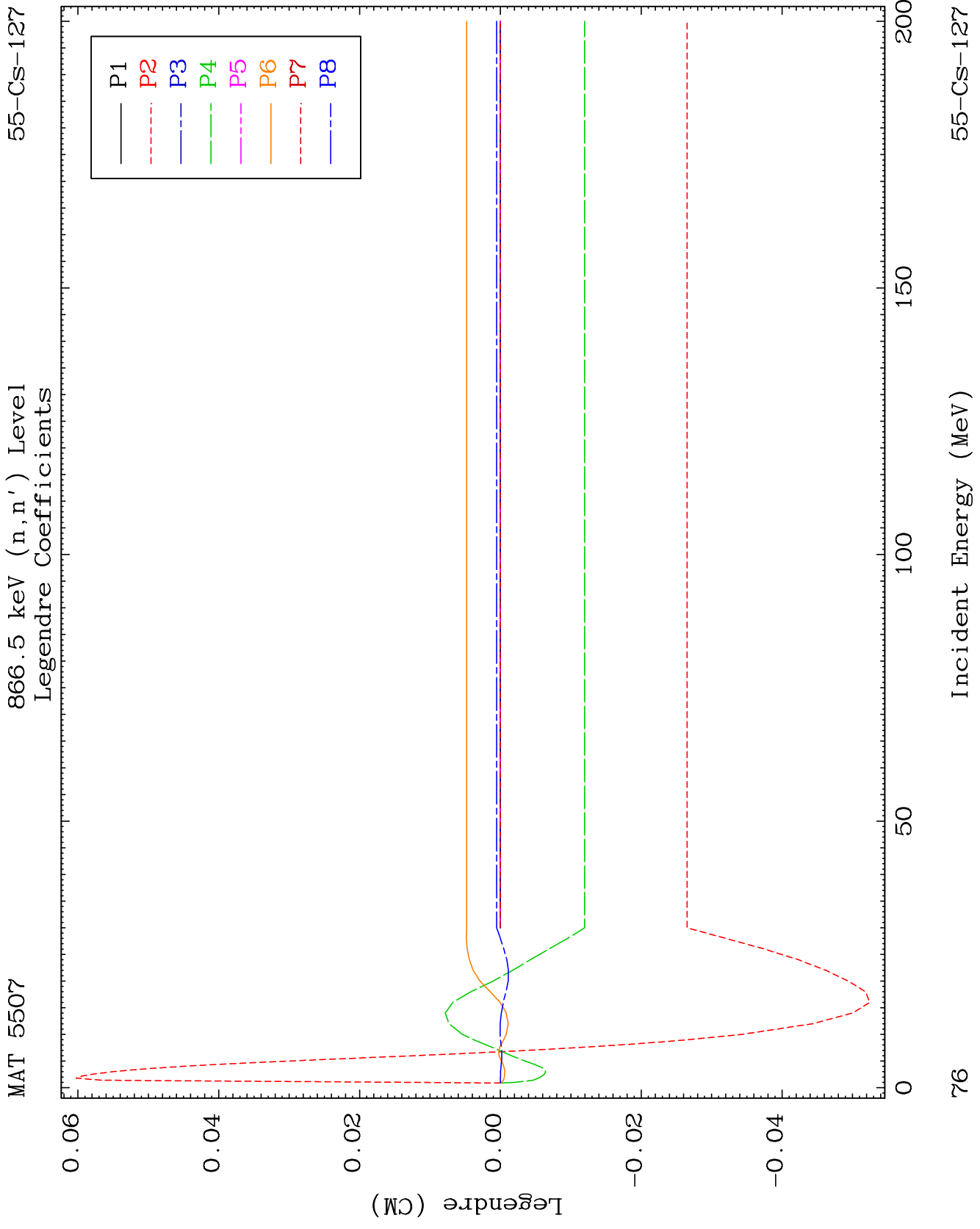
55-Cs-127

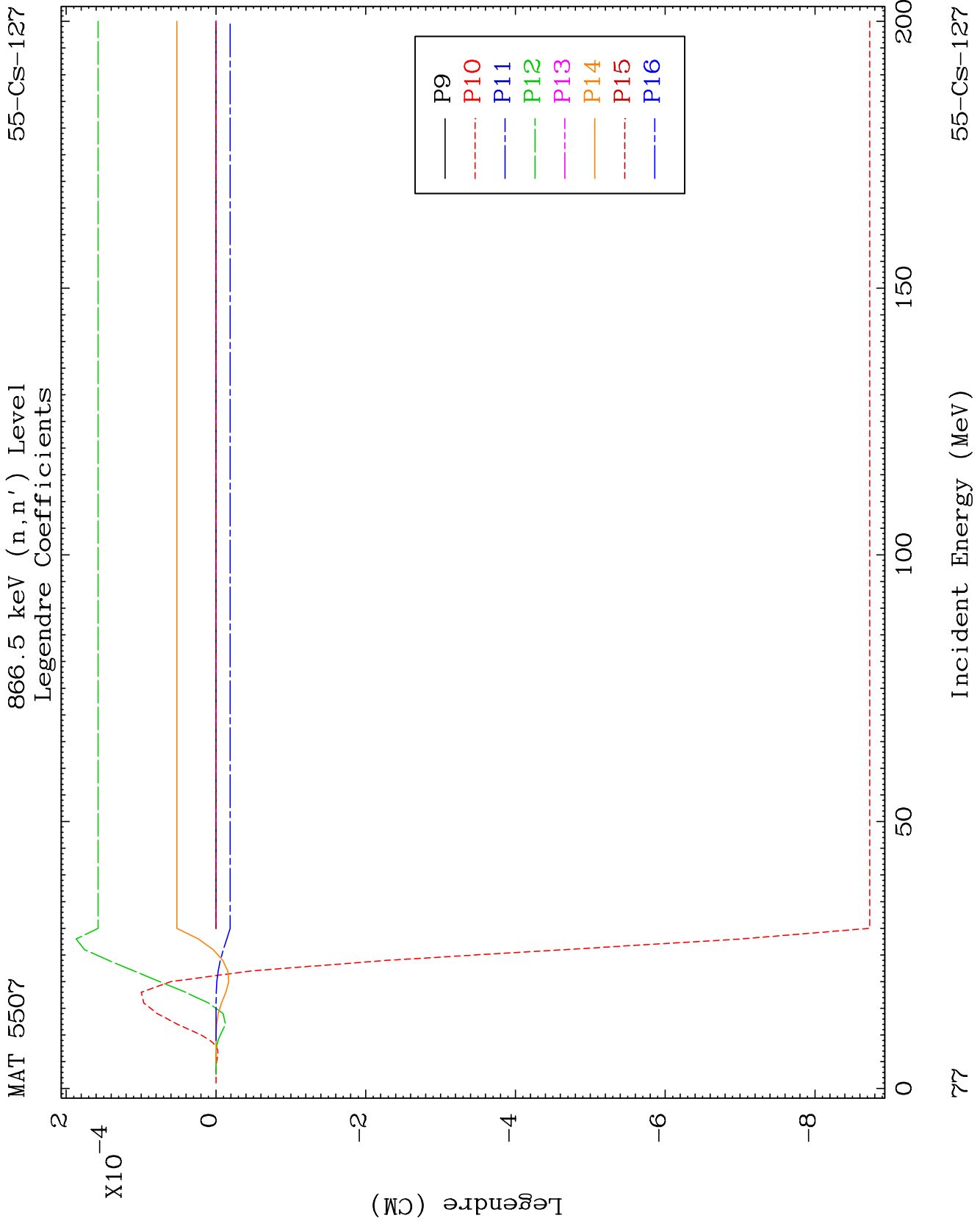


75

Incident Energy (MeV)

55-Cs-127

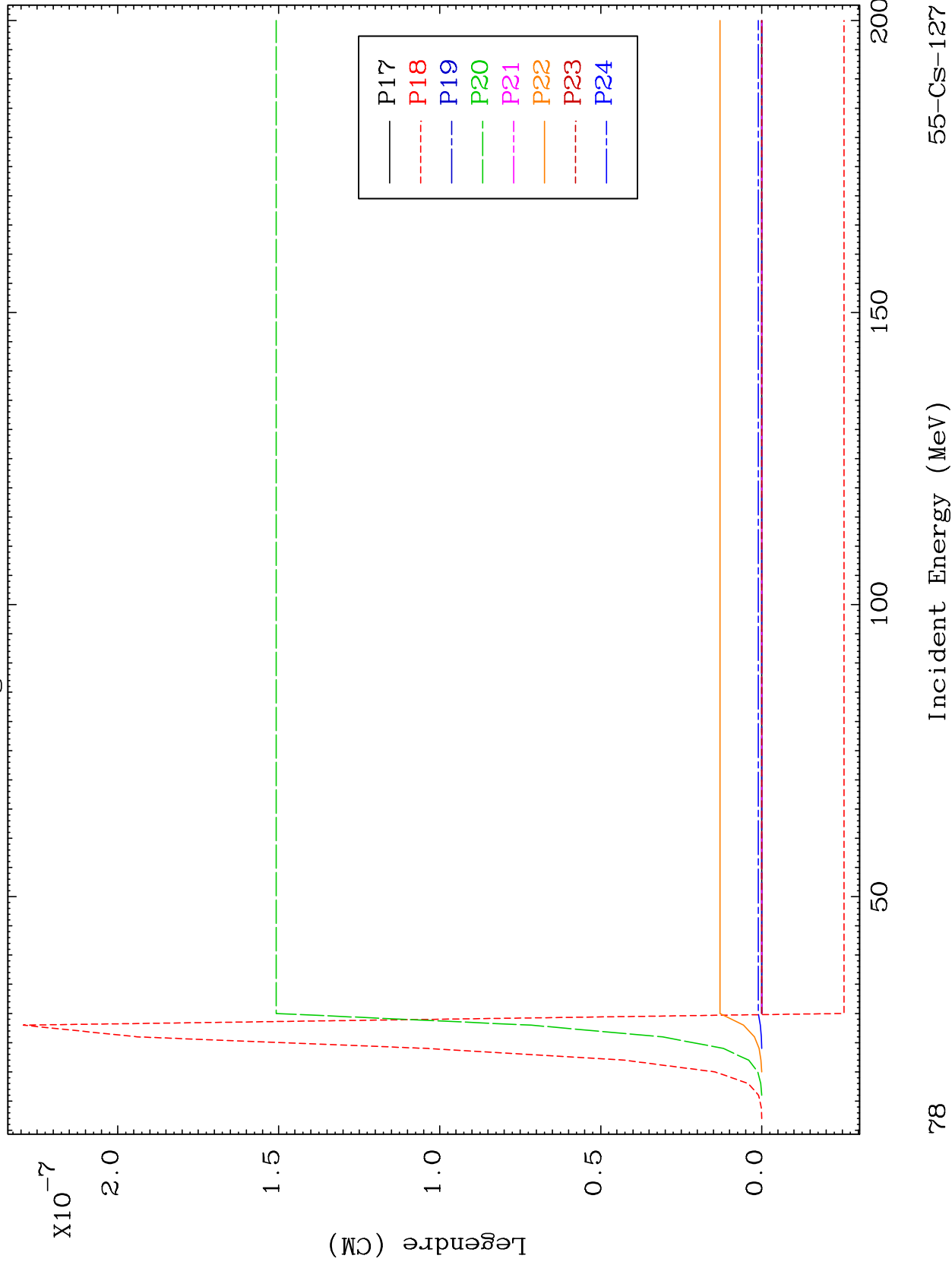




MAT 5507

866.5 keV (n,n') Level  
Legendre Coefficients

55-Cs-127



78

Incident Energy (MeV)

55-Cs-127

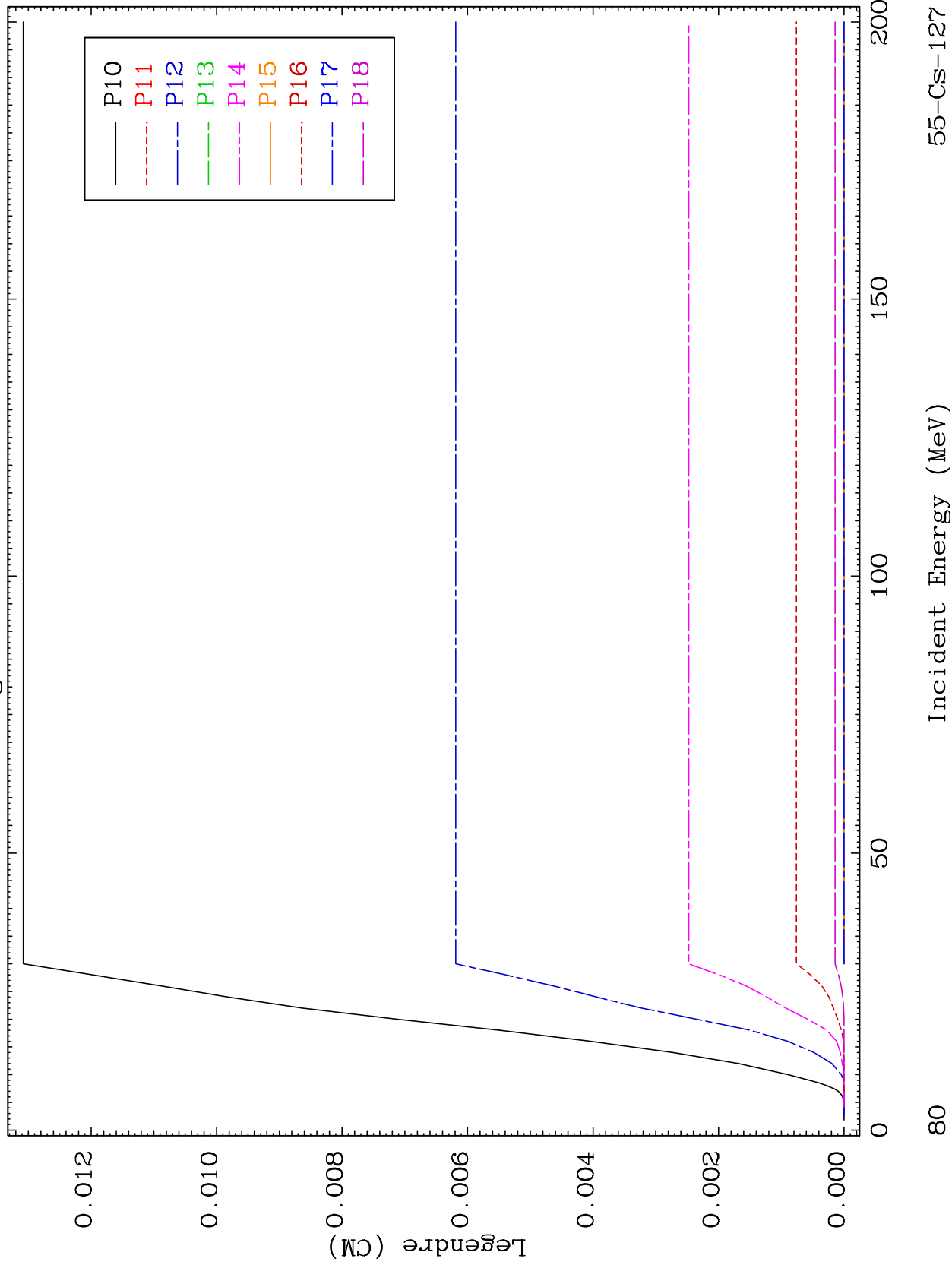




MAT 5507

872.5 keV (n,n') Level  
Legendre Coefficients

55-Cs-127



55-Cs-127

Incident Energy (MeV)

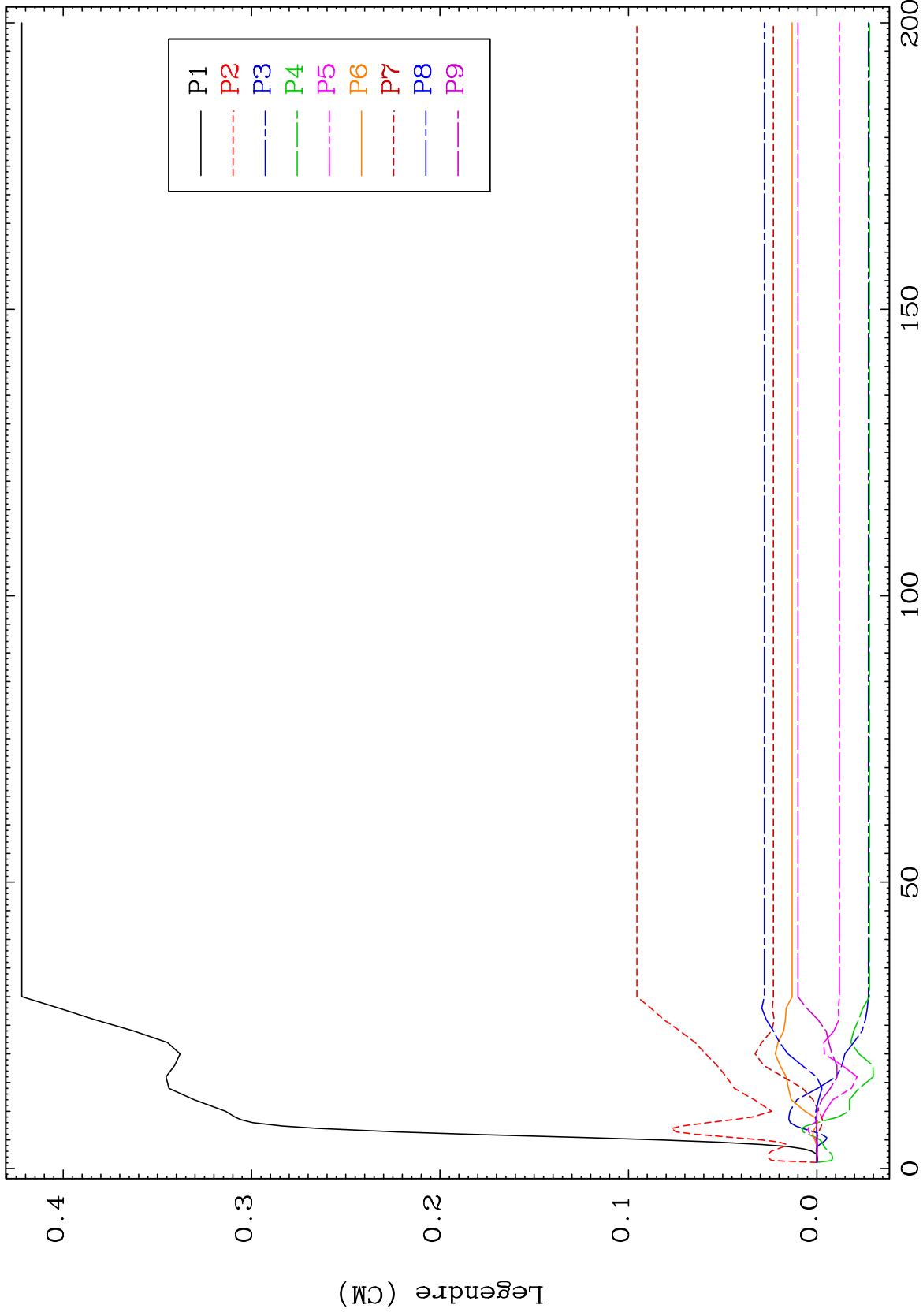
80



MAT 5507

1.043 MeV (n,n') Level  
Legendre Coefficients

55-Cs-127



82

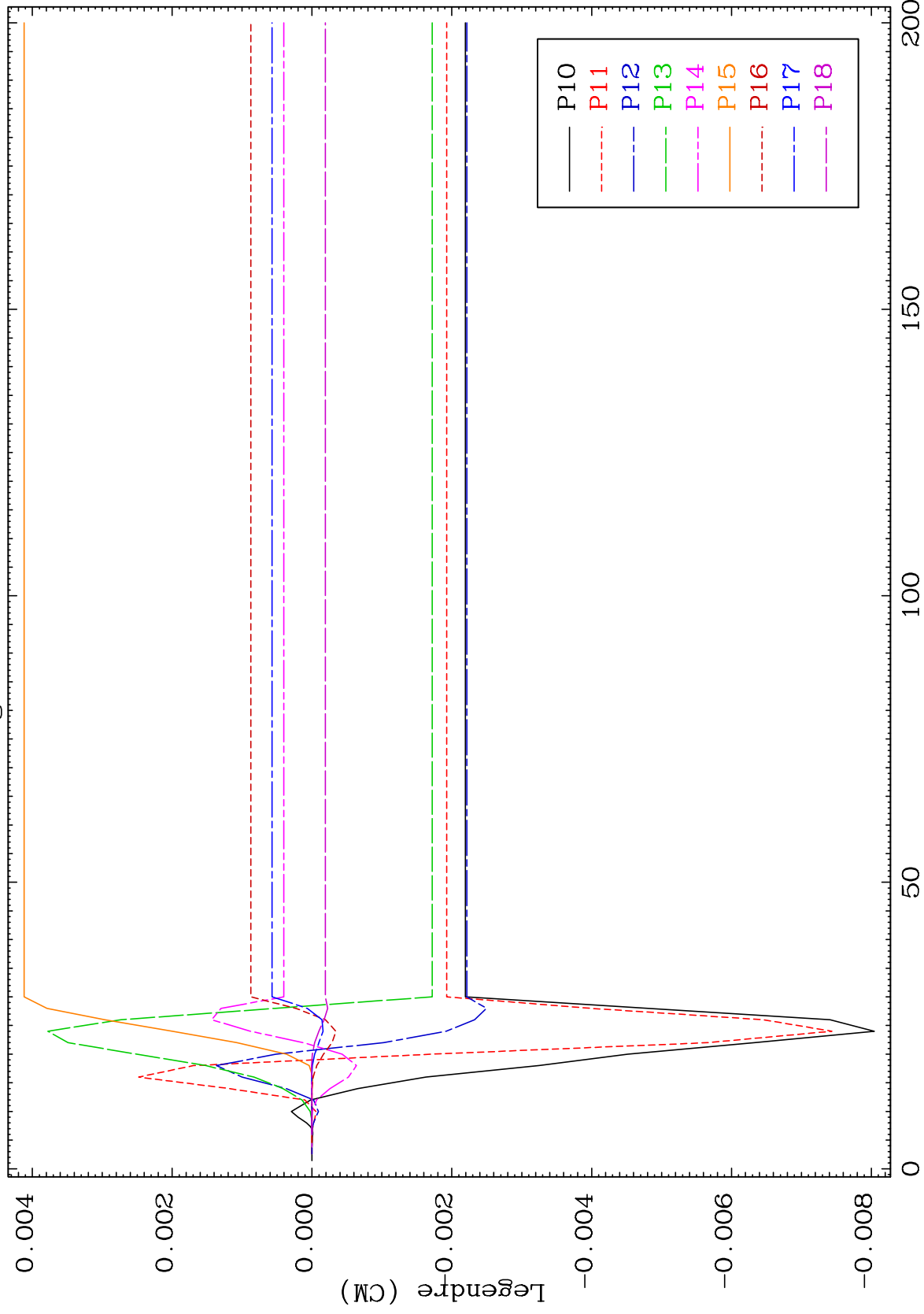
Incident Energy (MeV)

55-Cs-127

MAT 5507

1.043 MeV (n,n') Level  
Legendre Coefficients

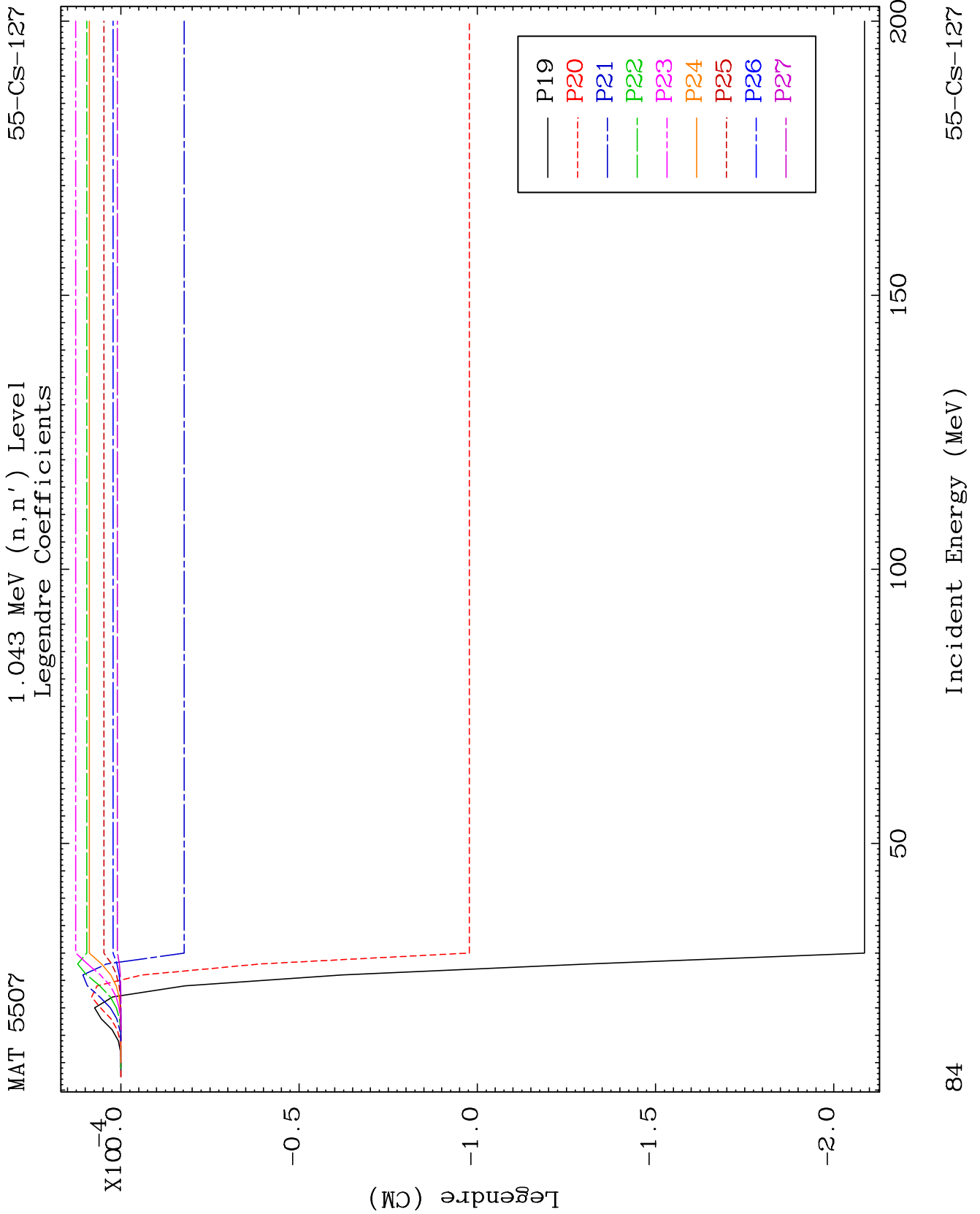
55-Cs-127

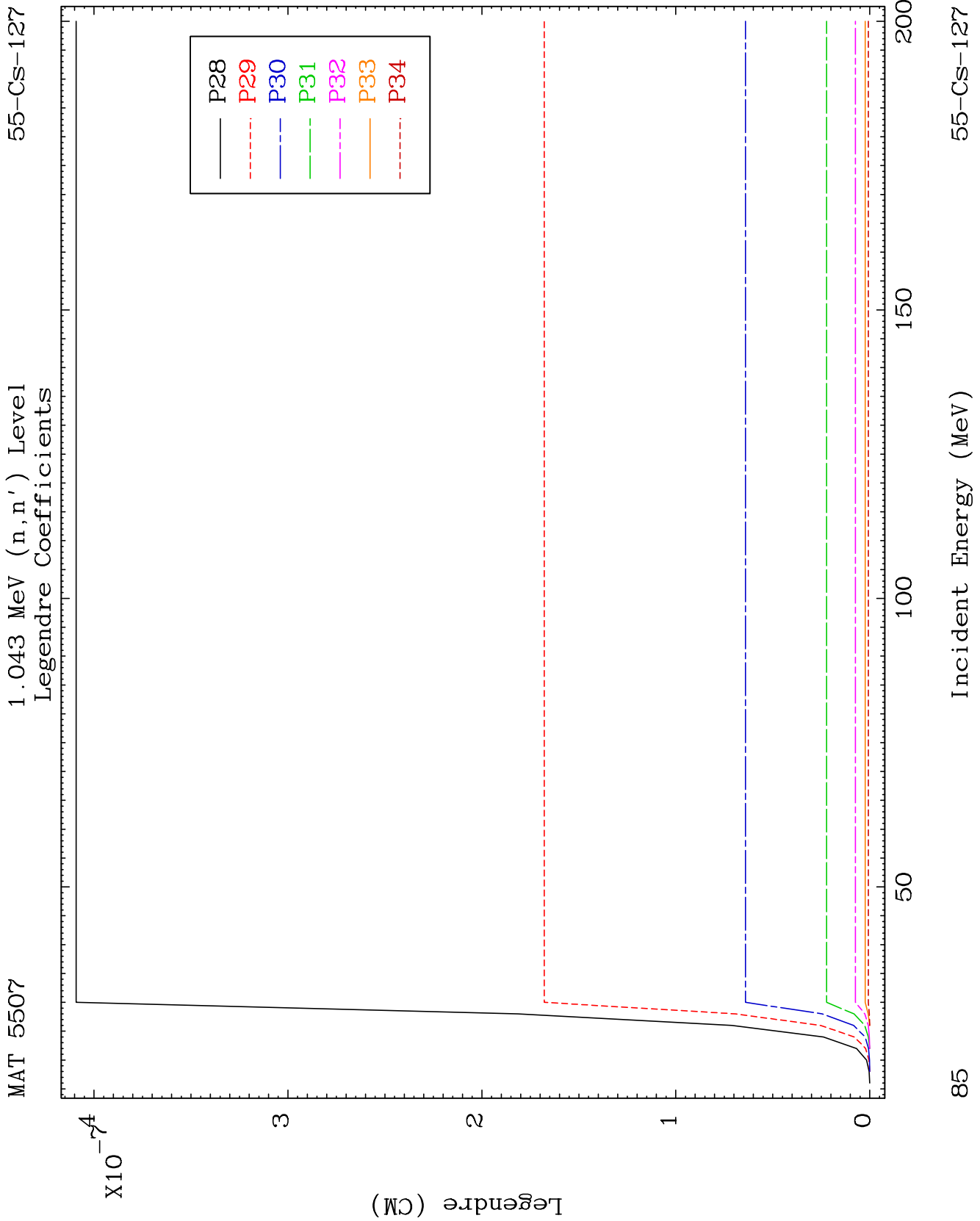


83

Incident Energy (MeV)

55-Cs-127



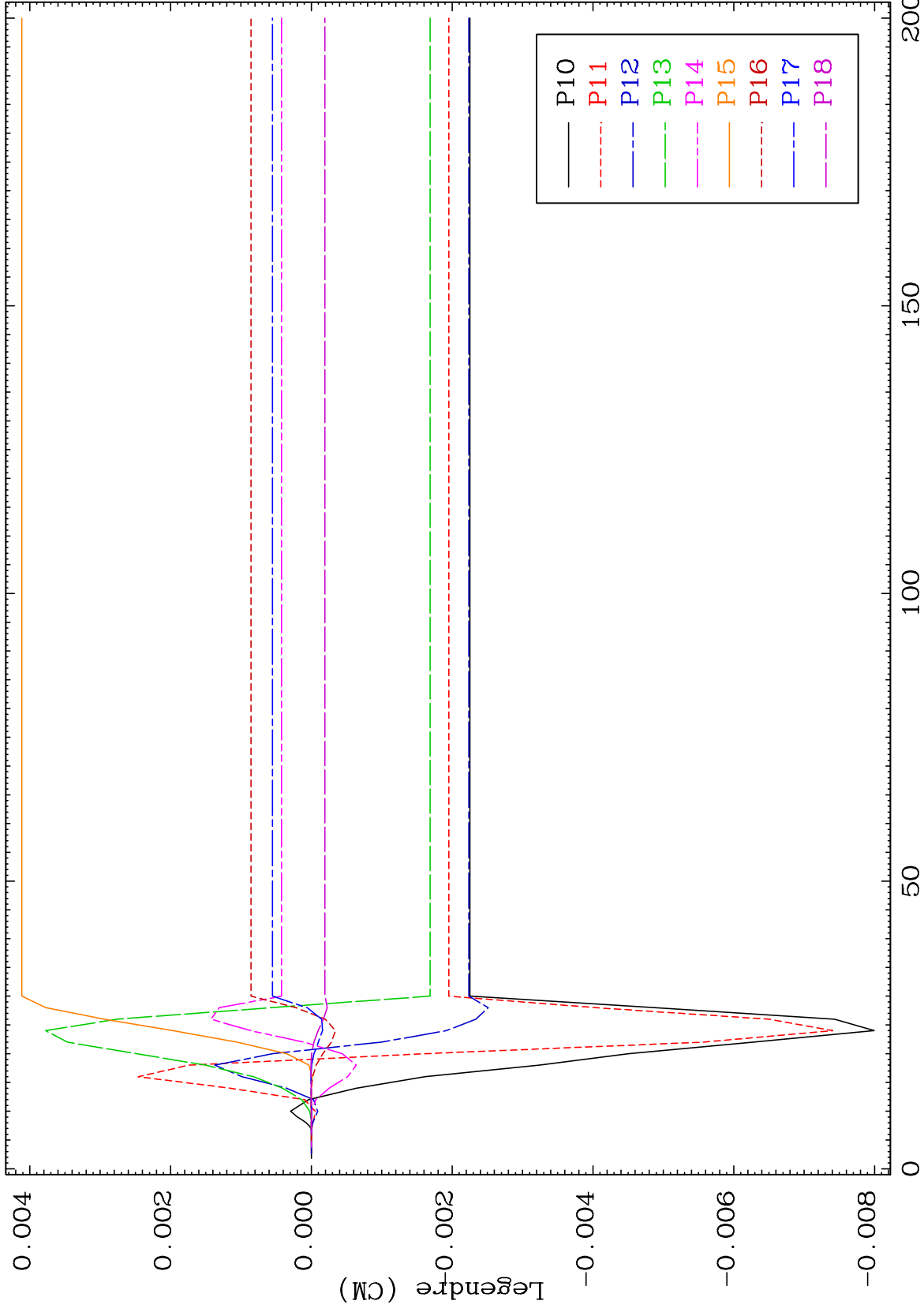




MAT 5507

1.131 MeV (n,n') Level  
Legendre Coefficients

55-Cs-127

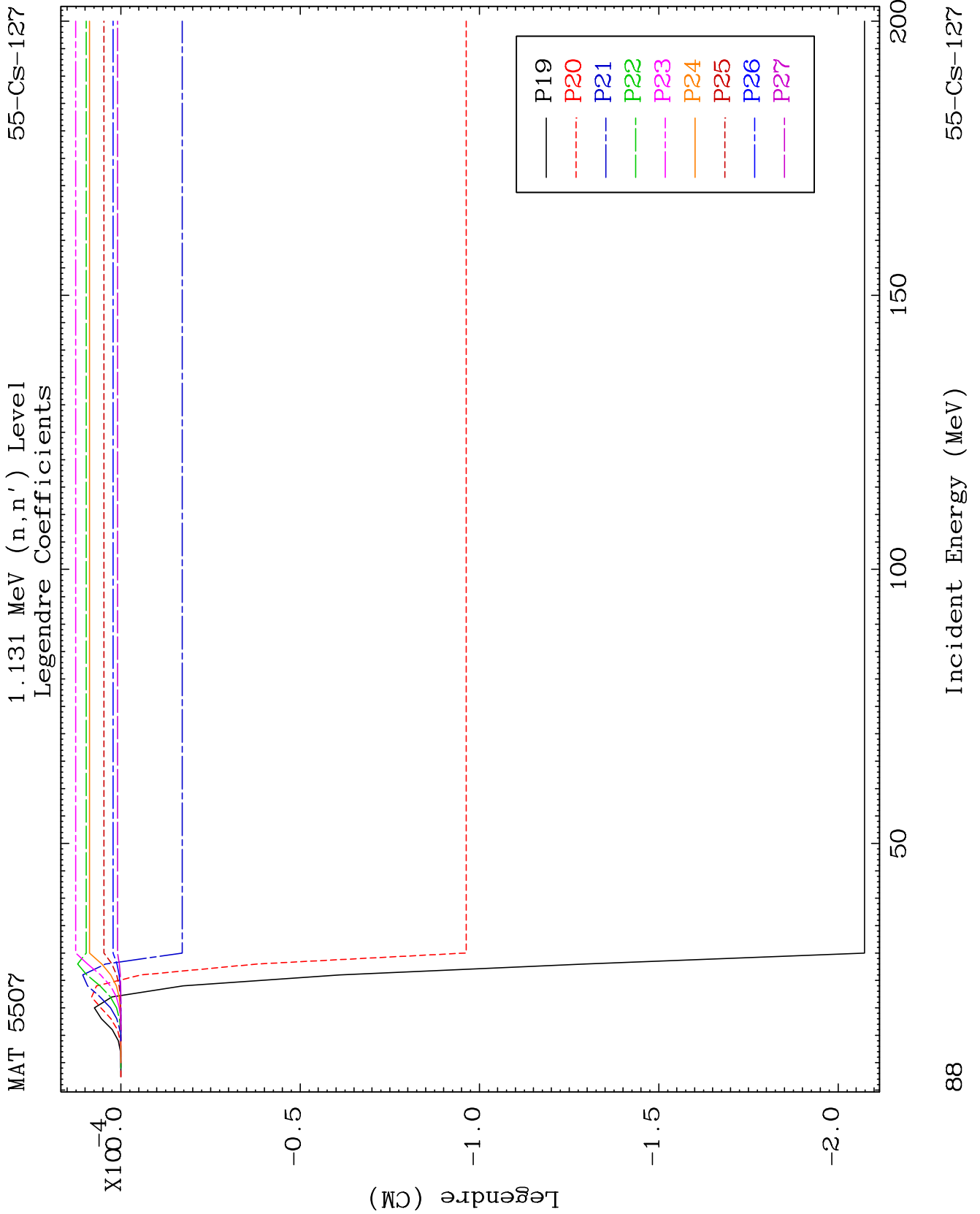


87

Incident Energy (MeV)

55-Cs-127

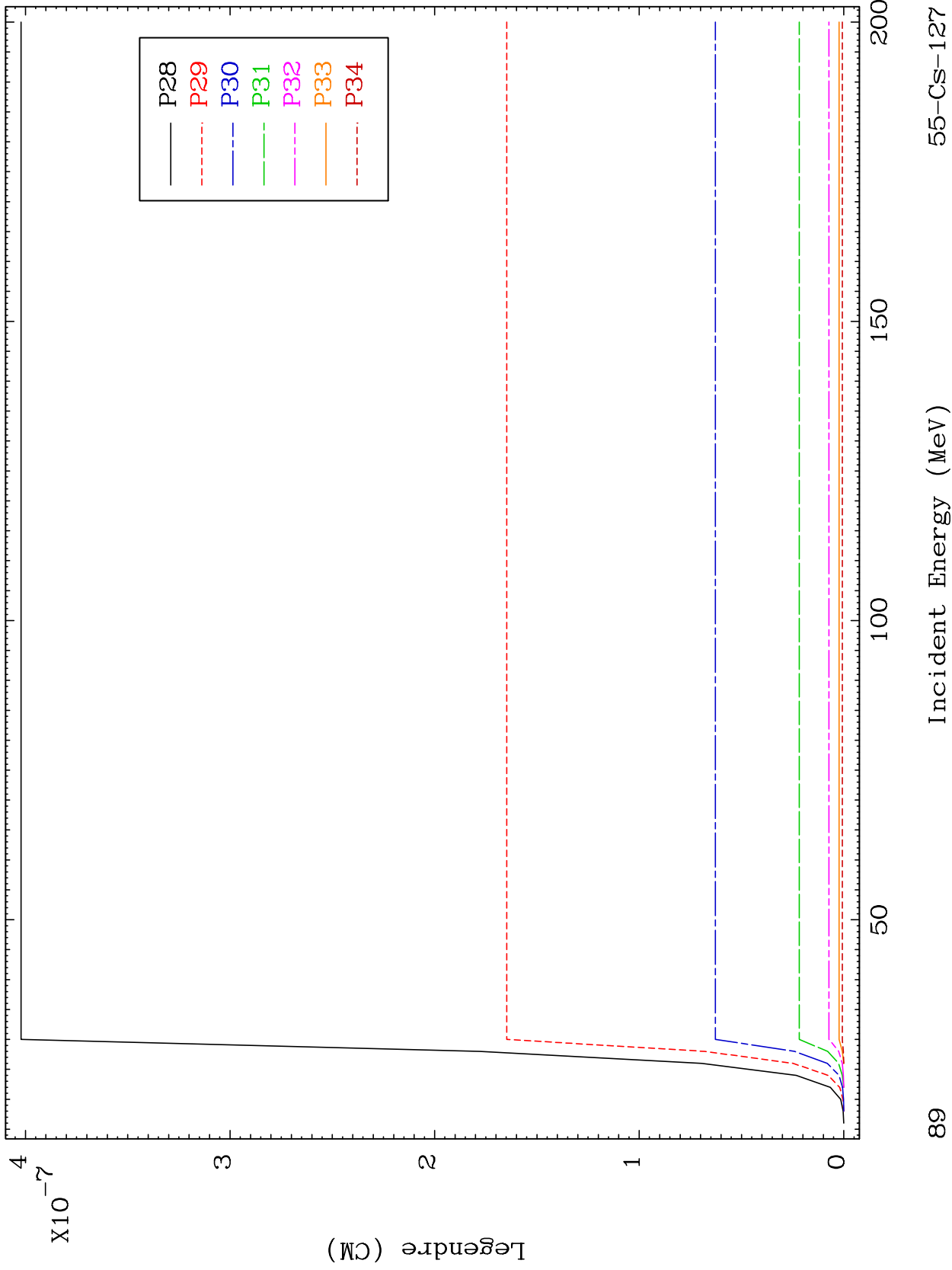




MAT 5507

1.131 MeV (n,n') Level  
Legendre Coefficients

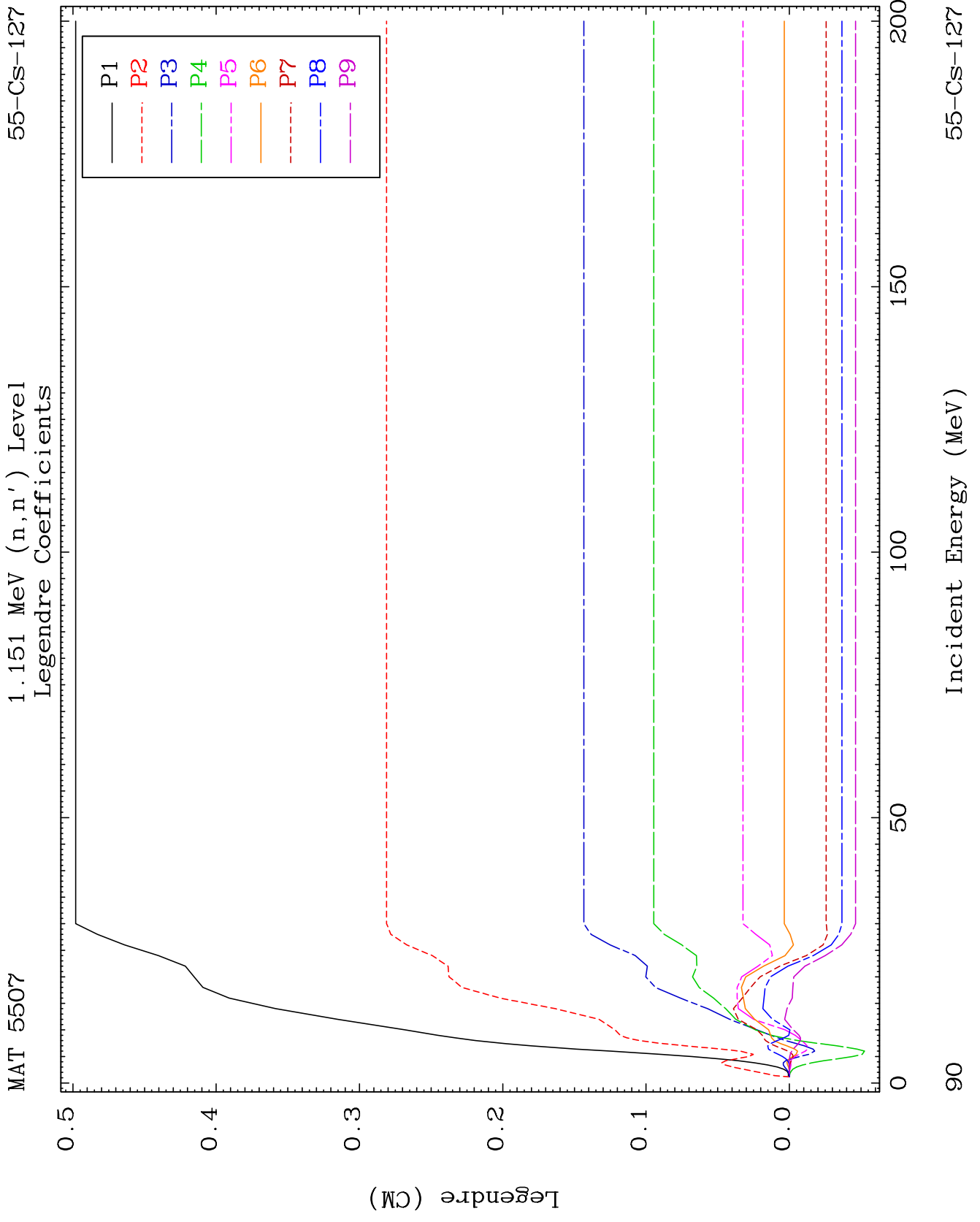
55-Cs-127



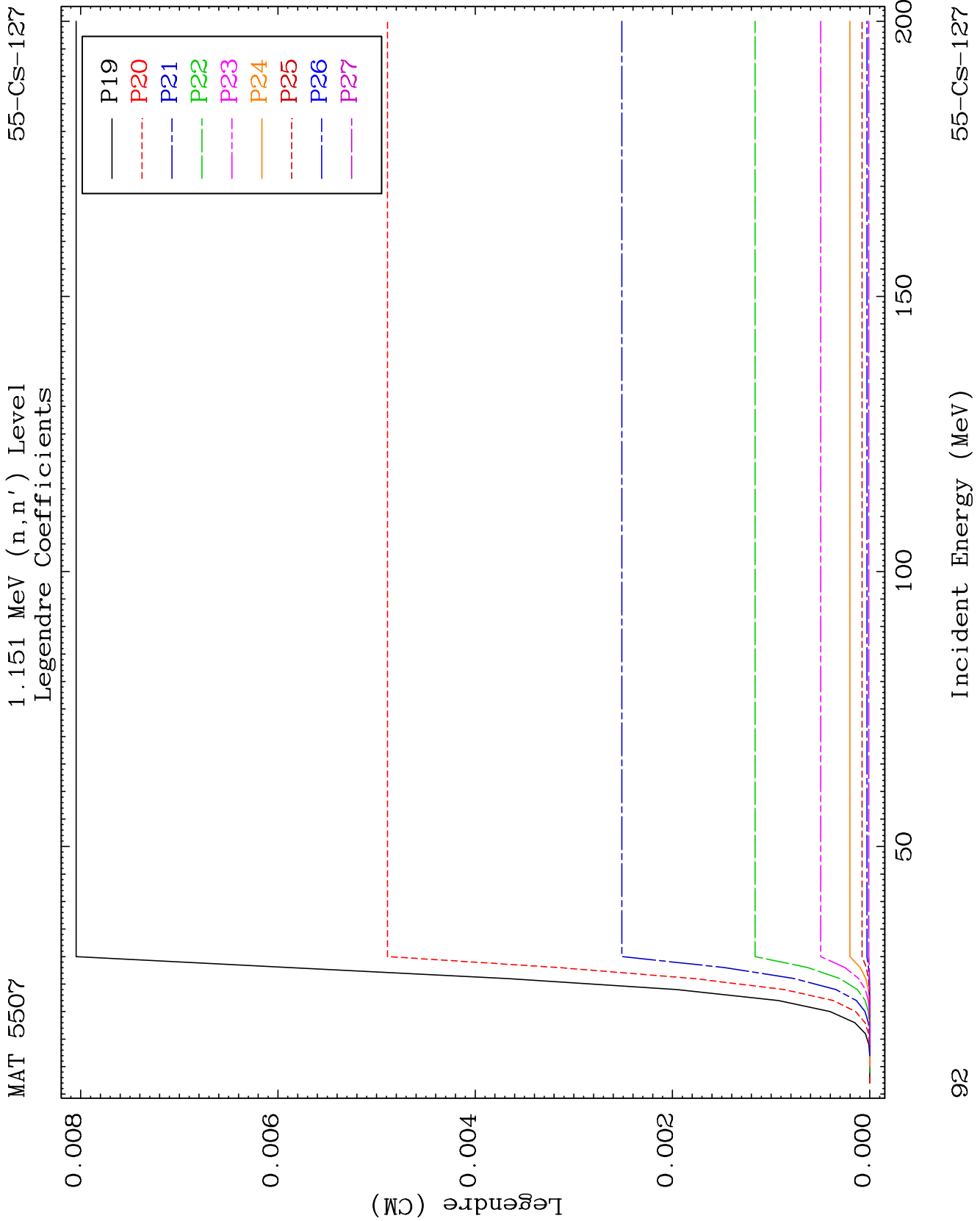
89

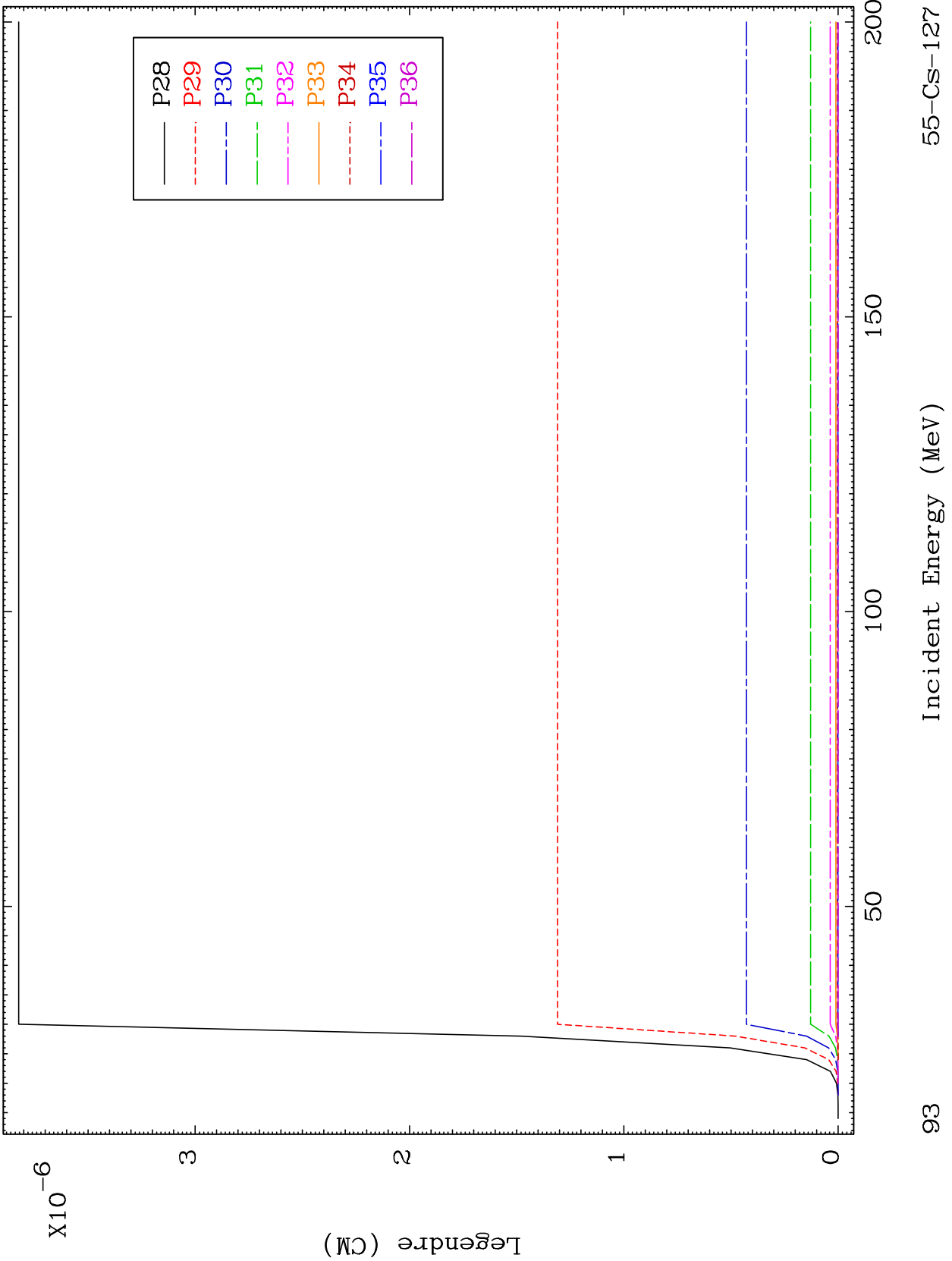
Incident Energy (MeV)

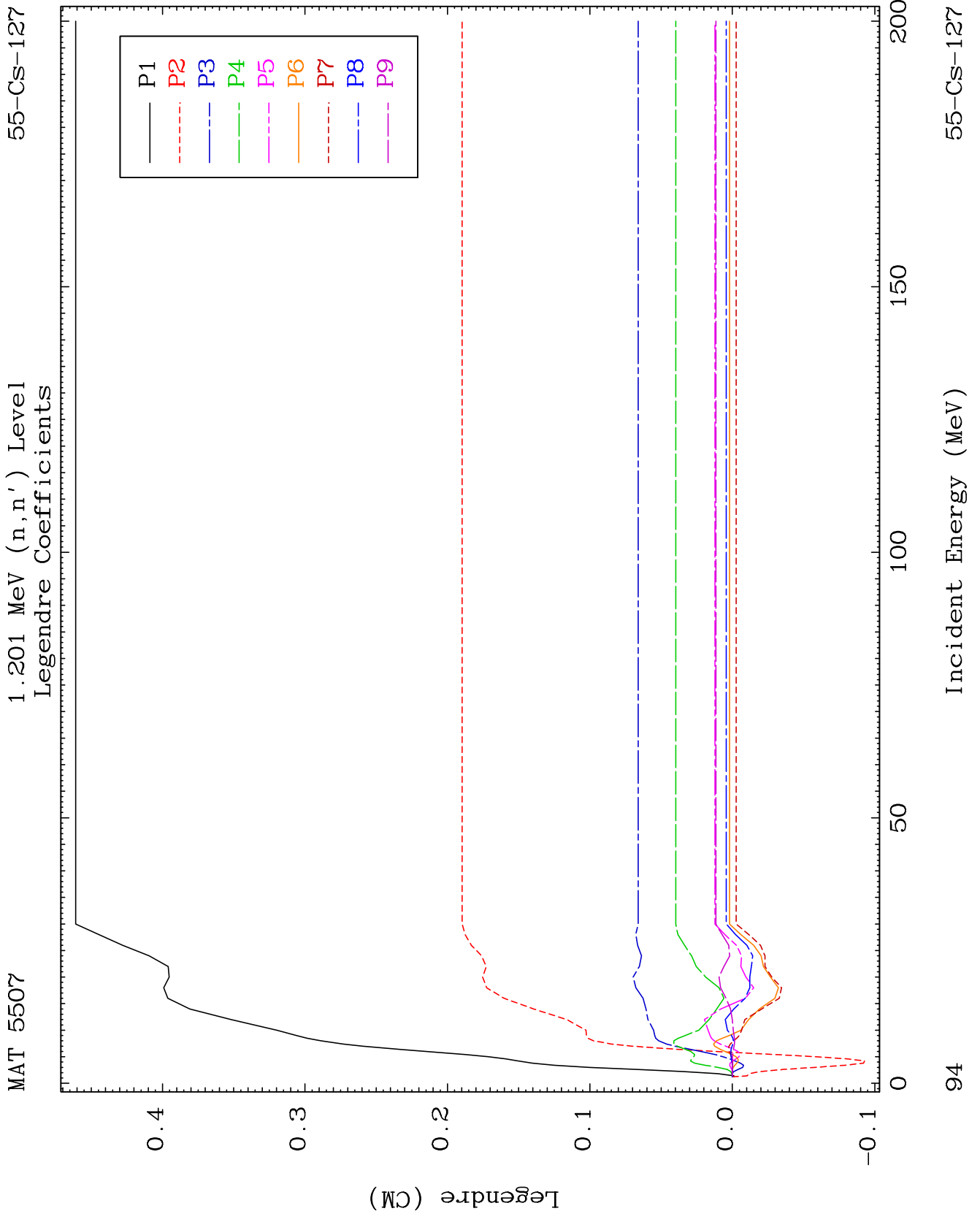
55-Cs-127







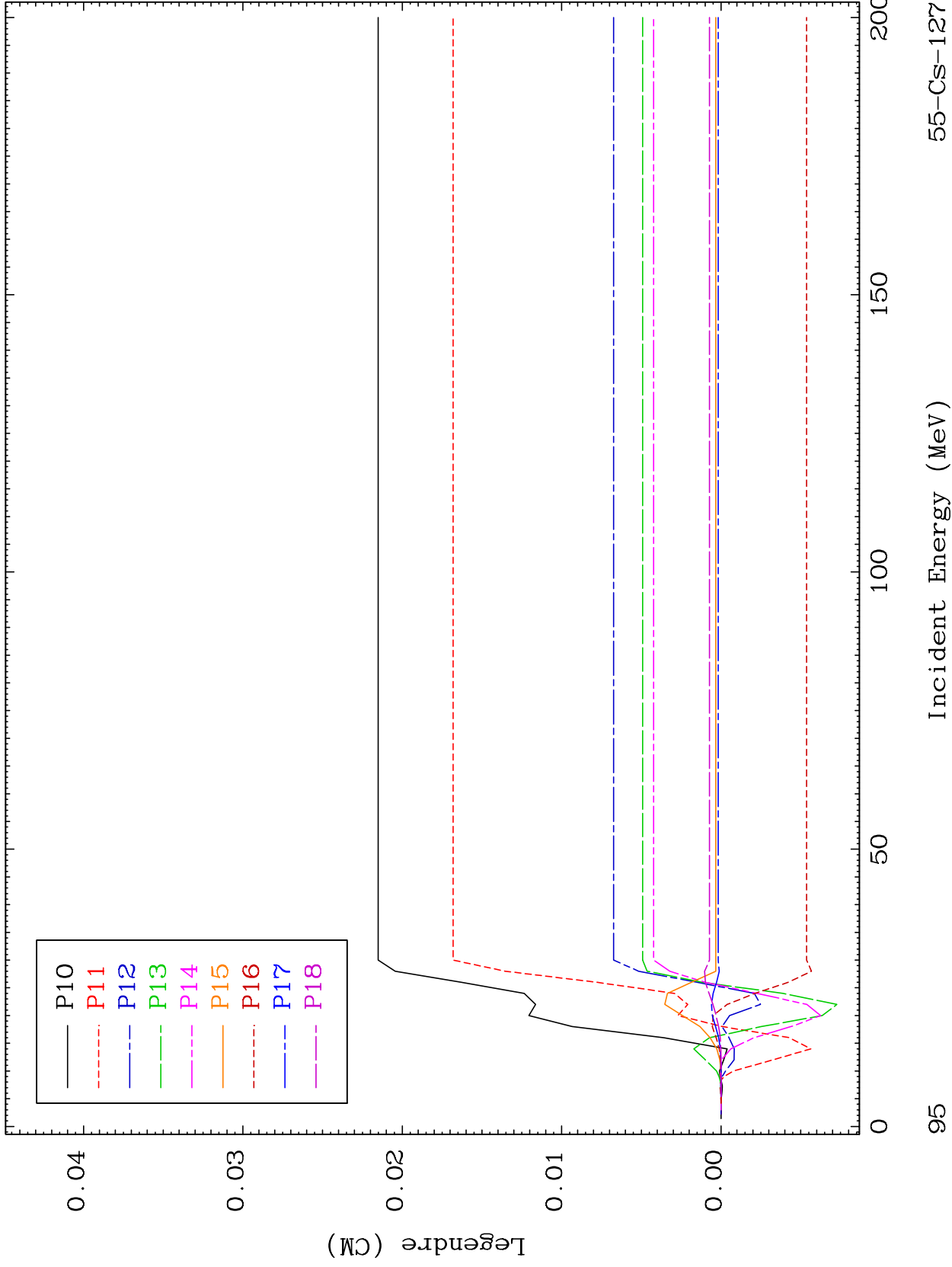




MAT 5507

1.201 MeV (n,n') Level  
Legendre Coefficients

55-Cs-127



55-Cs-127

Incident Energy (MeV)

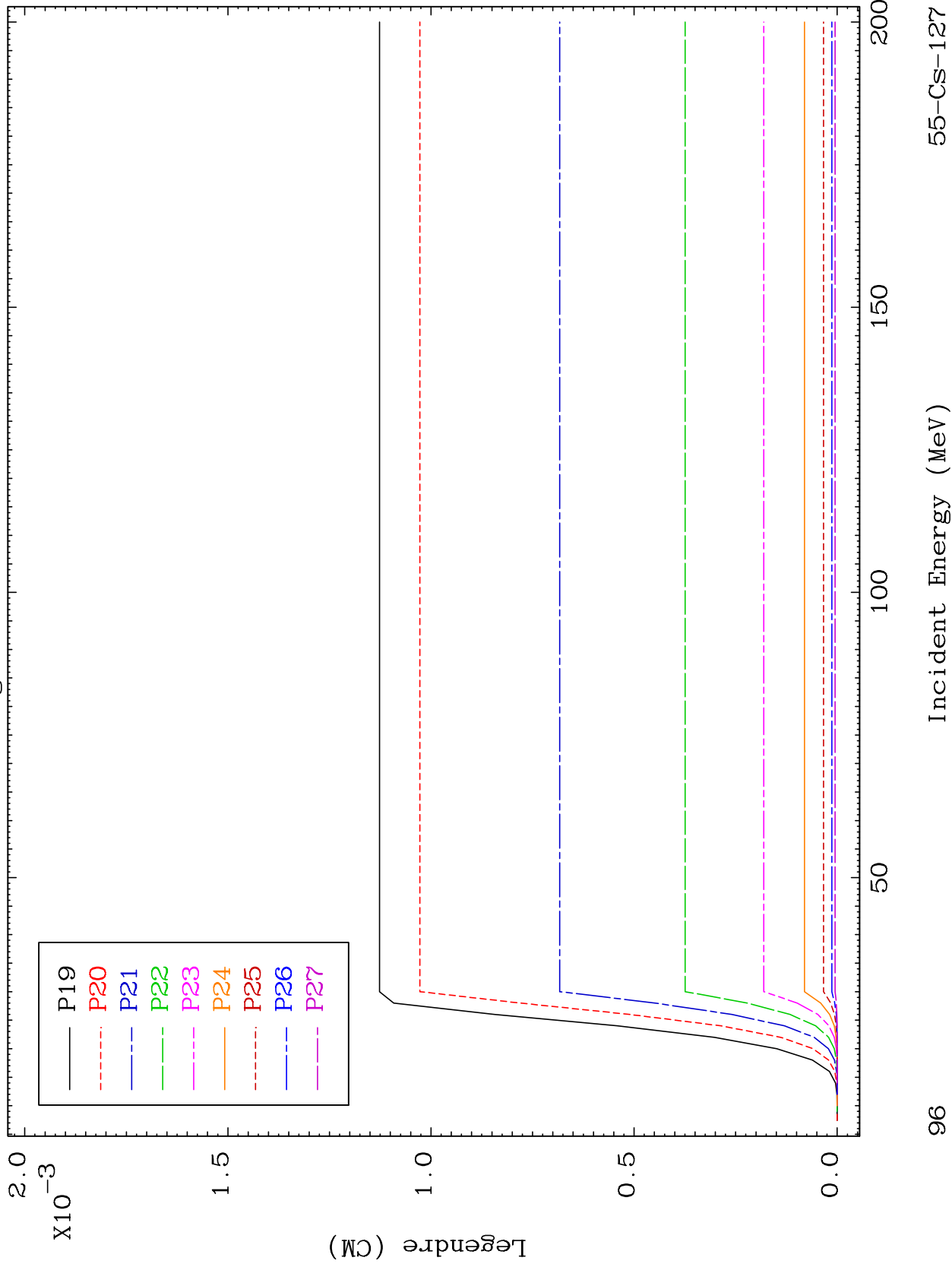
95



MAT 5507

1.201 MeV (n,n') Level  
Legendre Coefficients

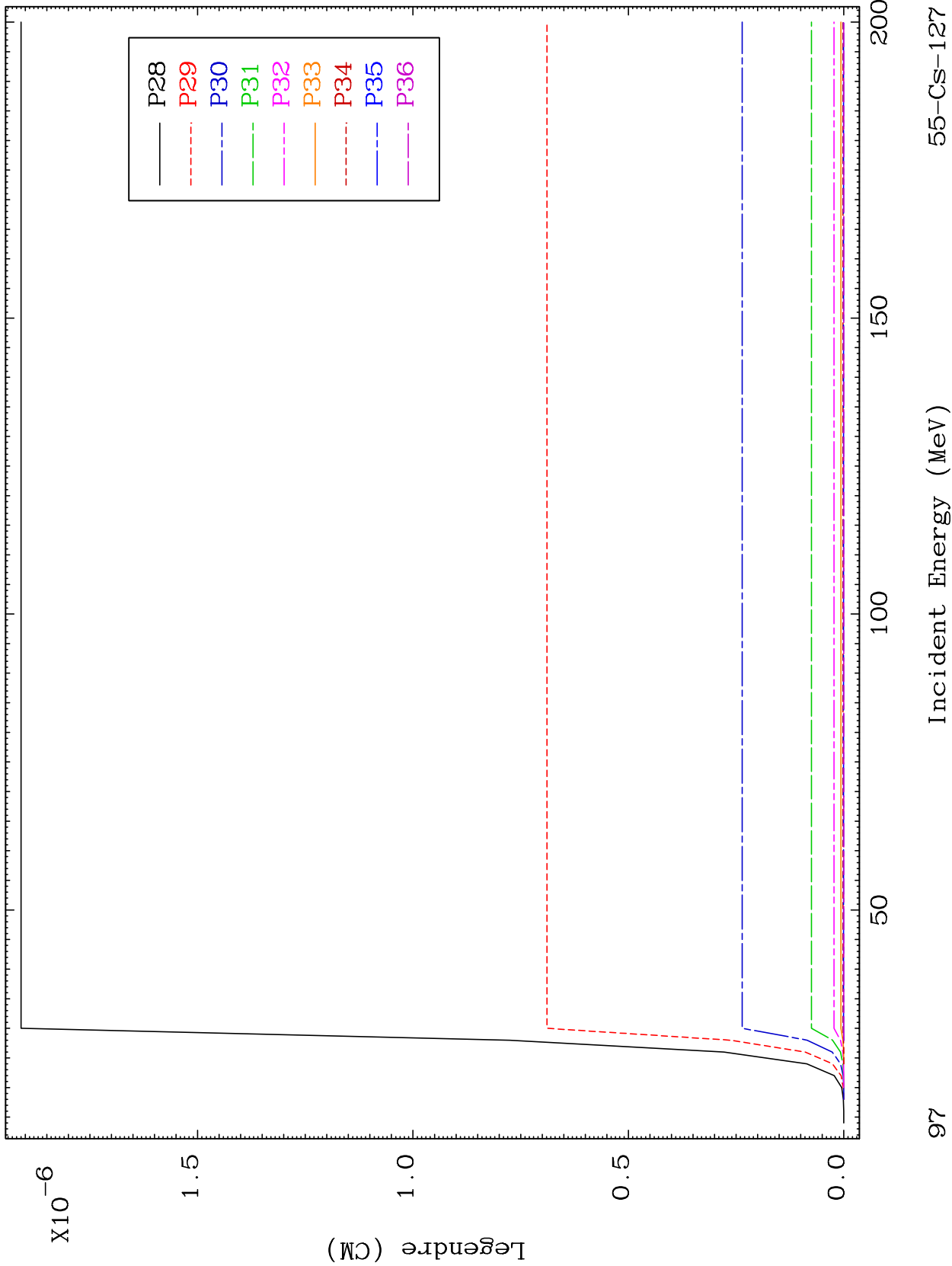
55-Cs-127



MAT 5507

1.201 MeV (n,n') Level  
Legendre Coefficients

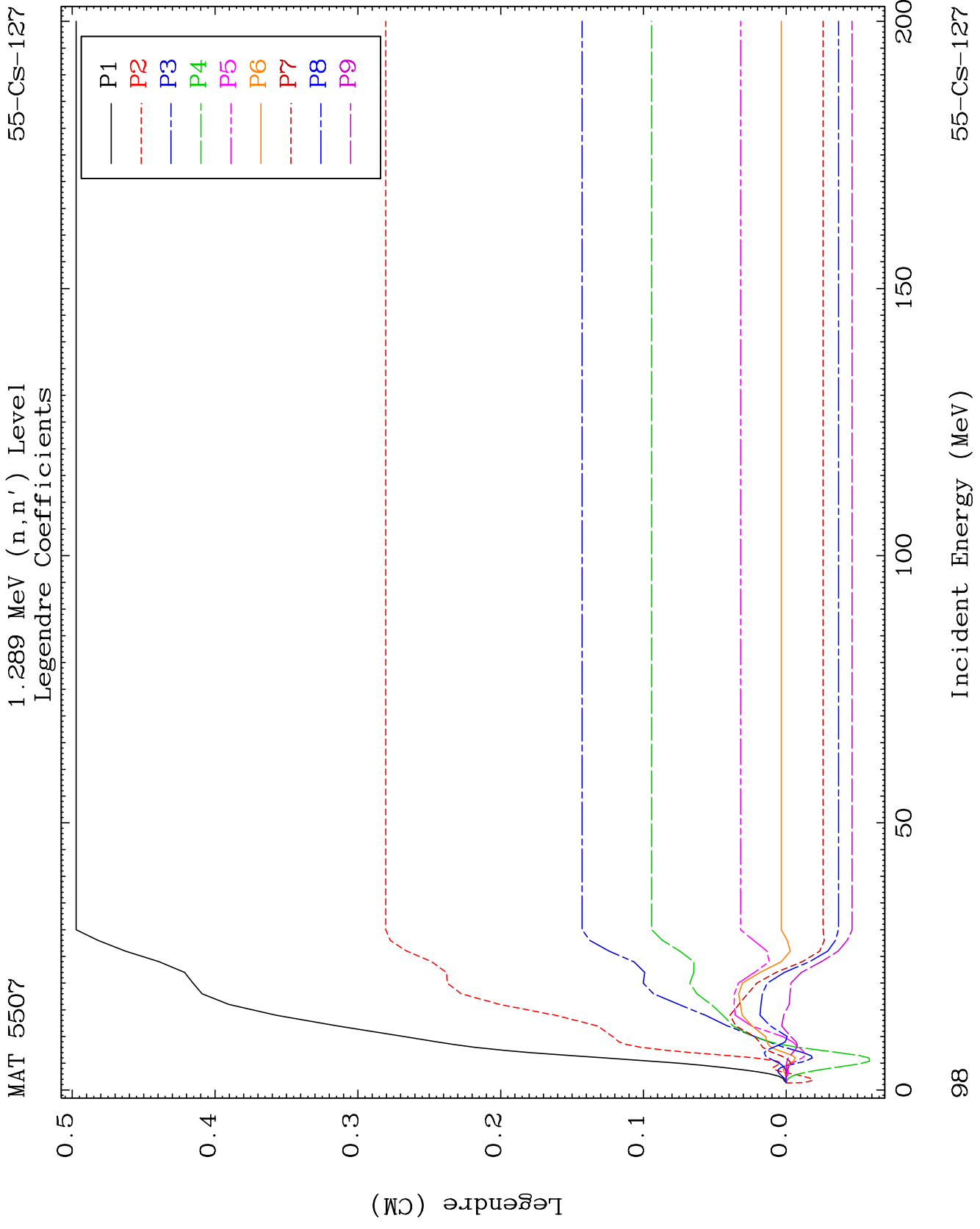
55-Cs-127

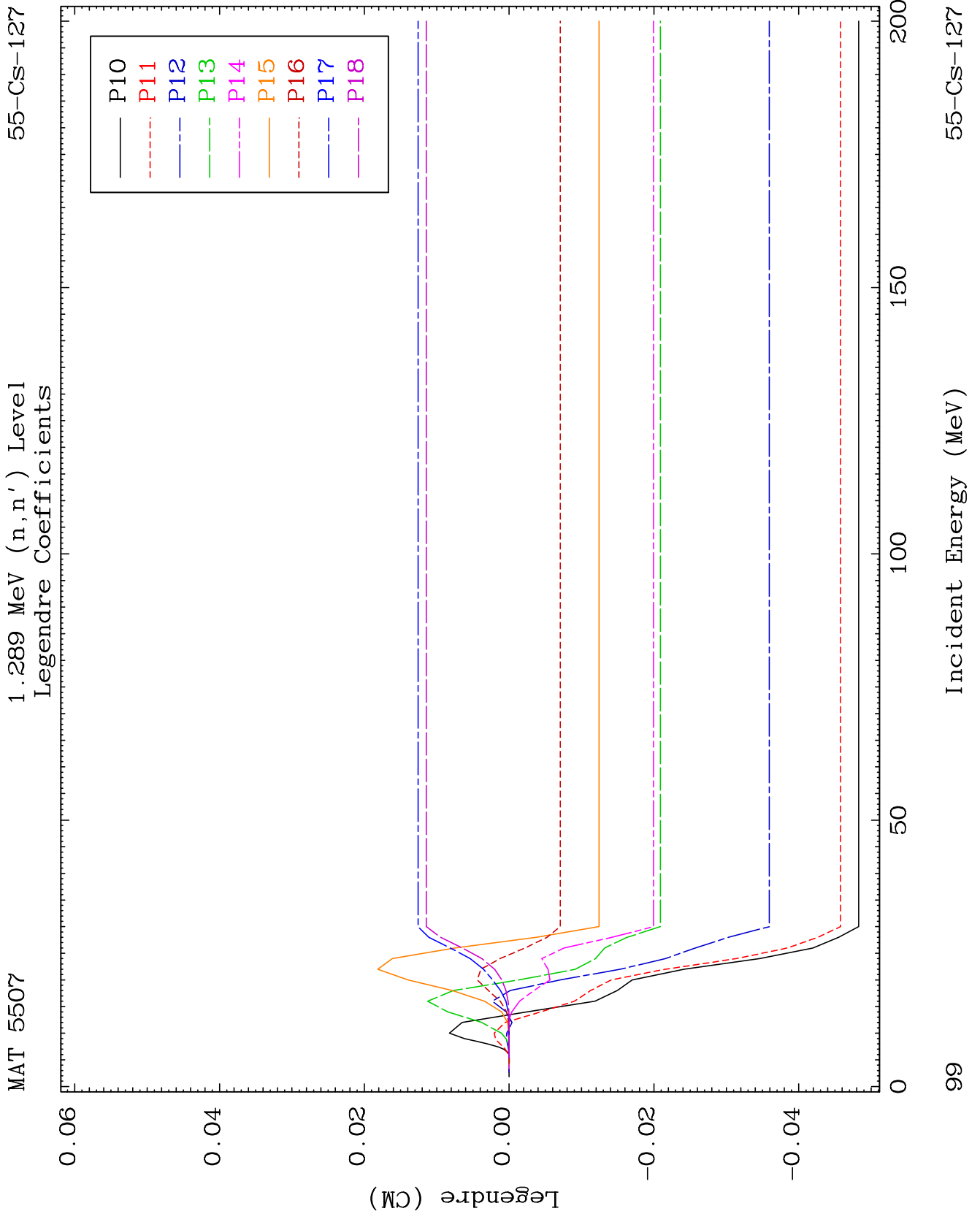


97

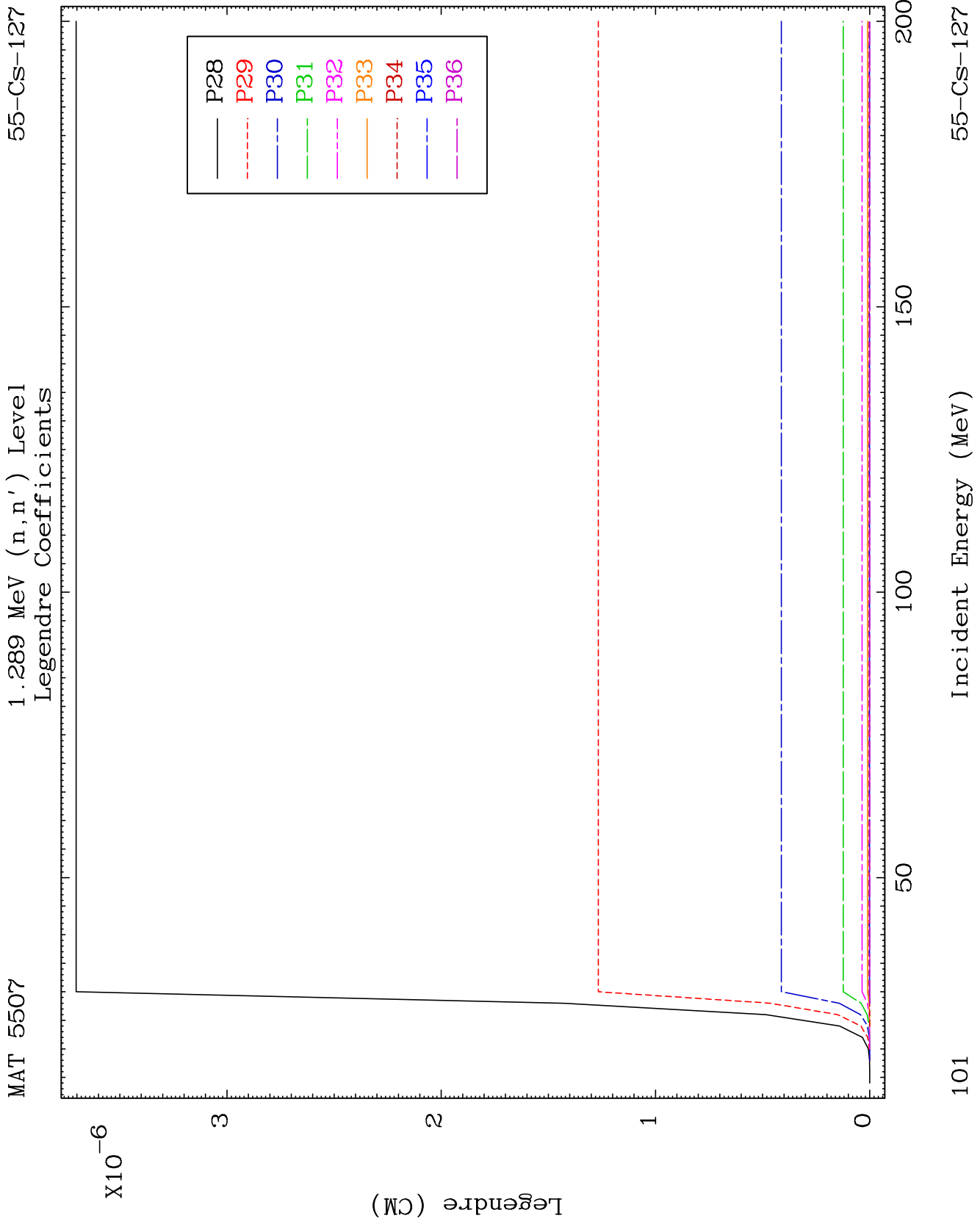
Incident Energy (MeV)

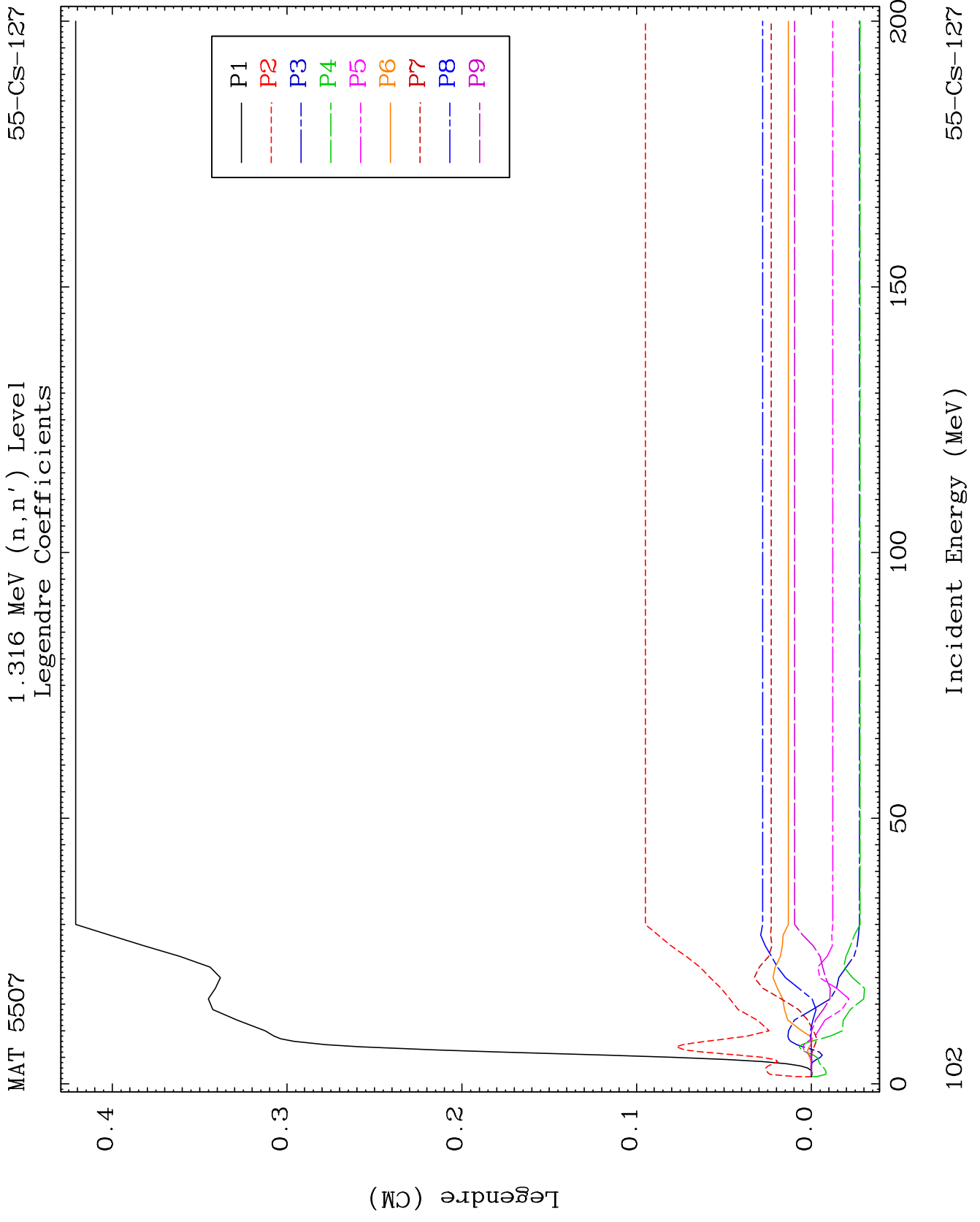
55-Cs-127







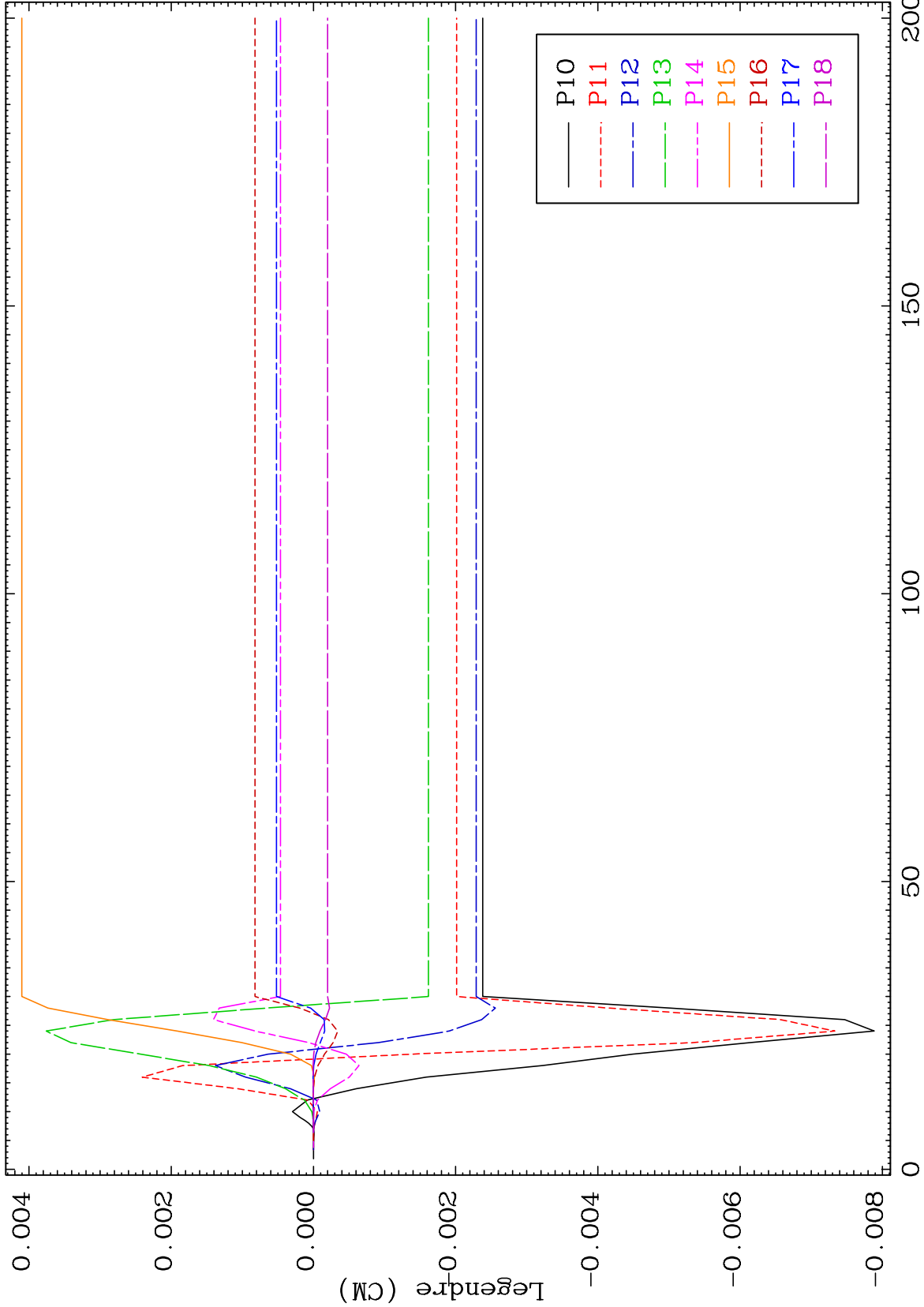




MAT 5507

1.316 MeV (n,n') Level  
Legendre Coefficients

55-Cs-127

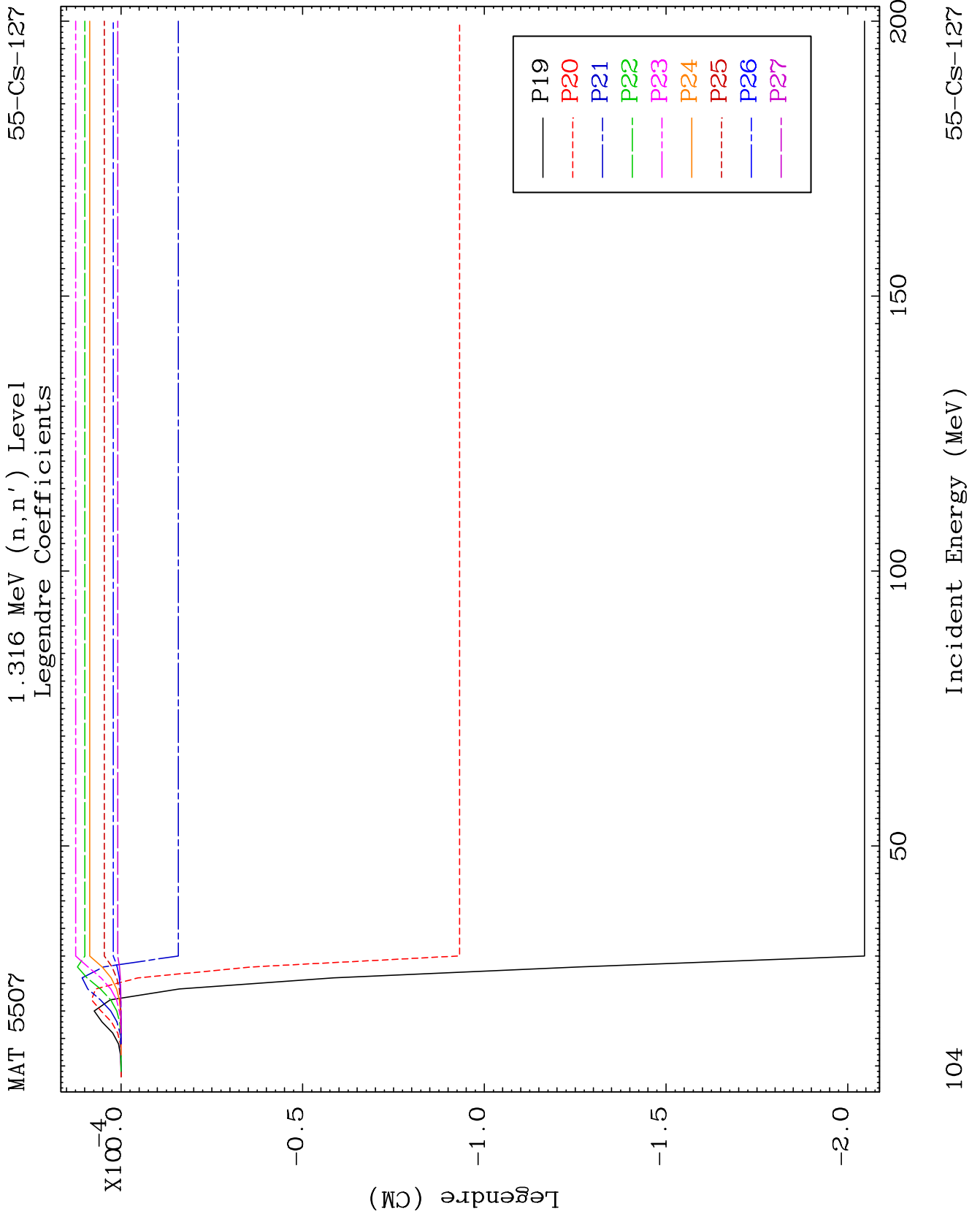


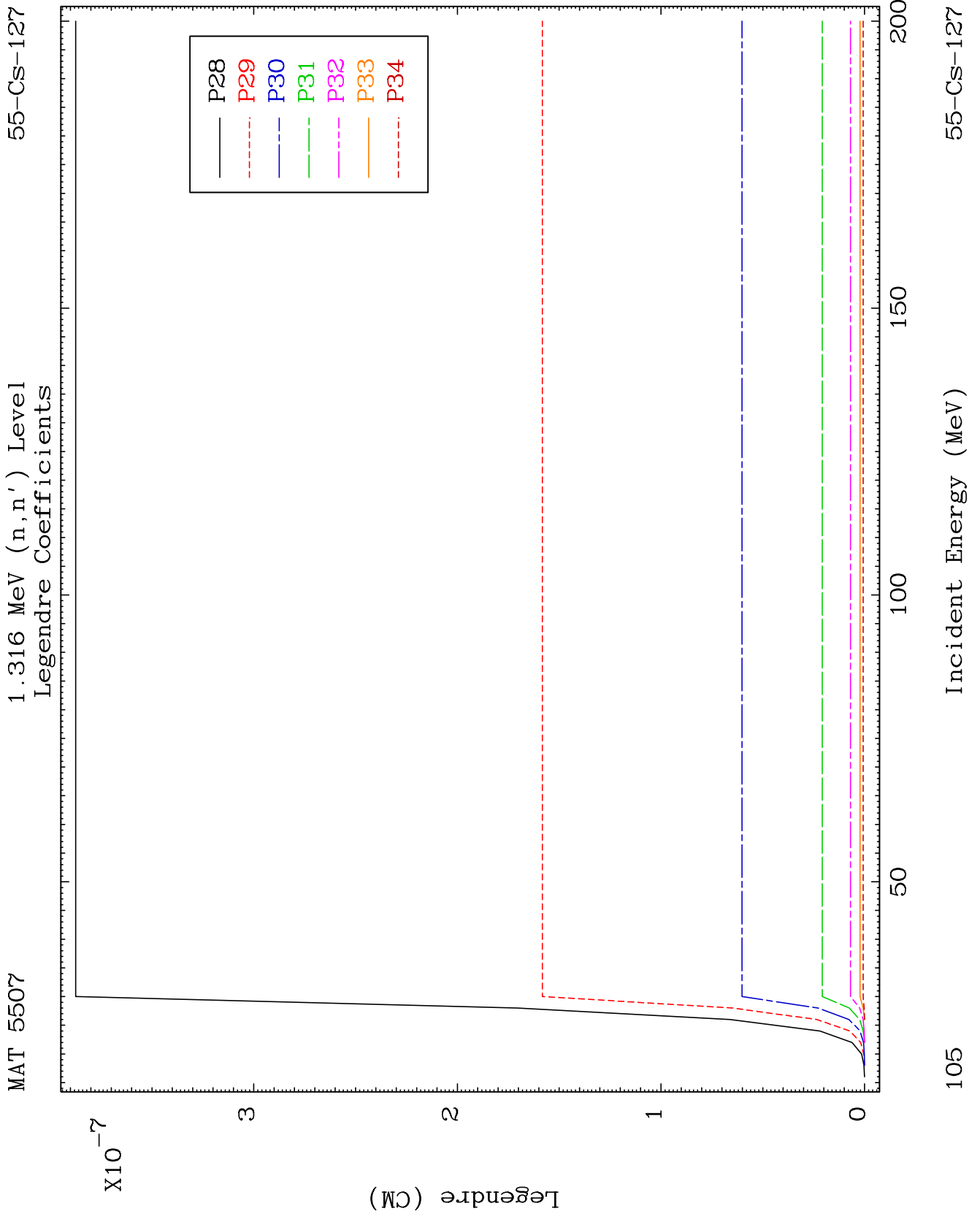
103

Incident Energy (MeV)

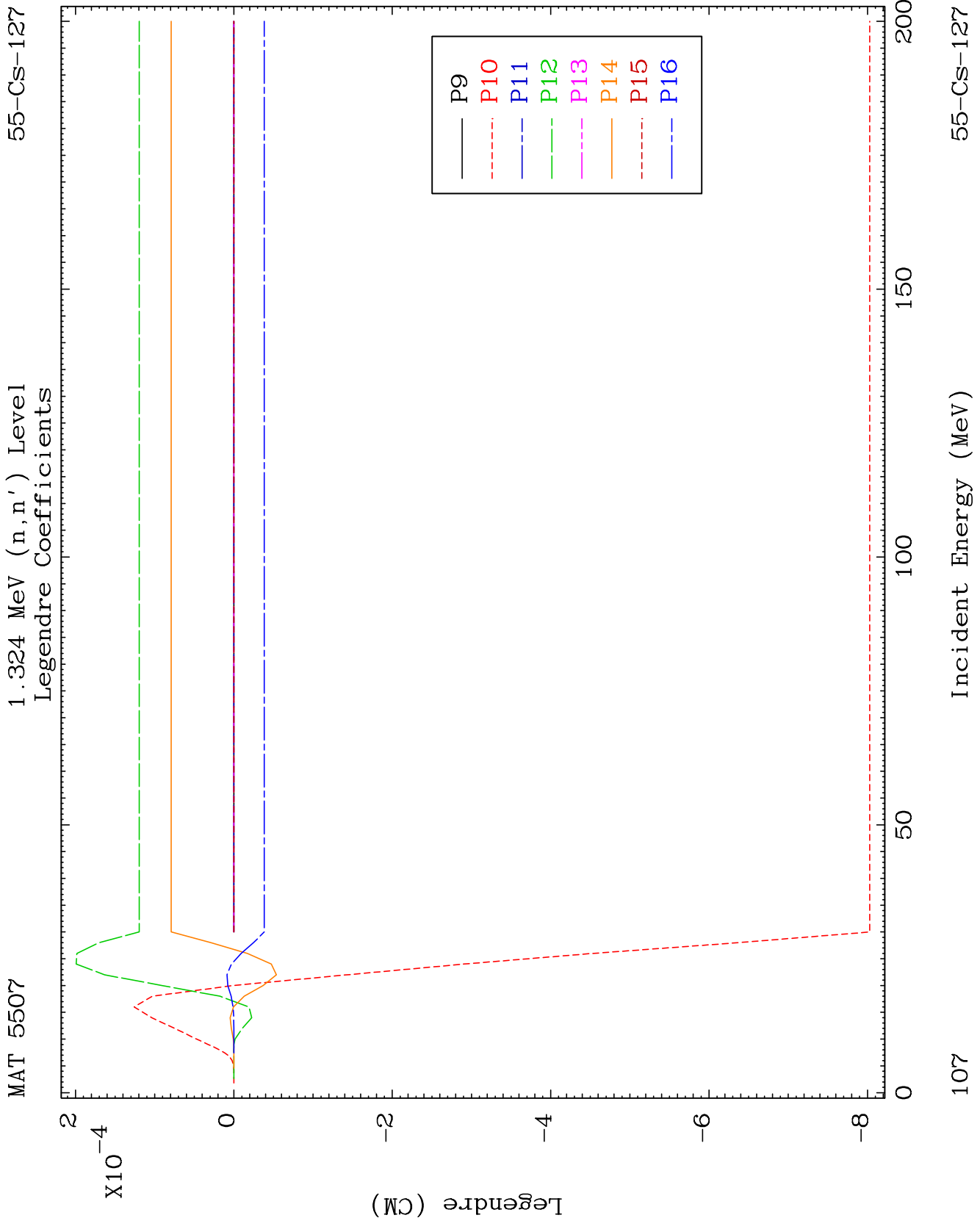
55-Cs-127

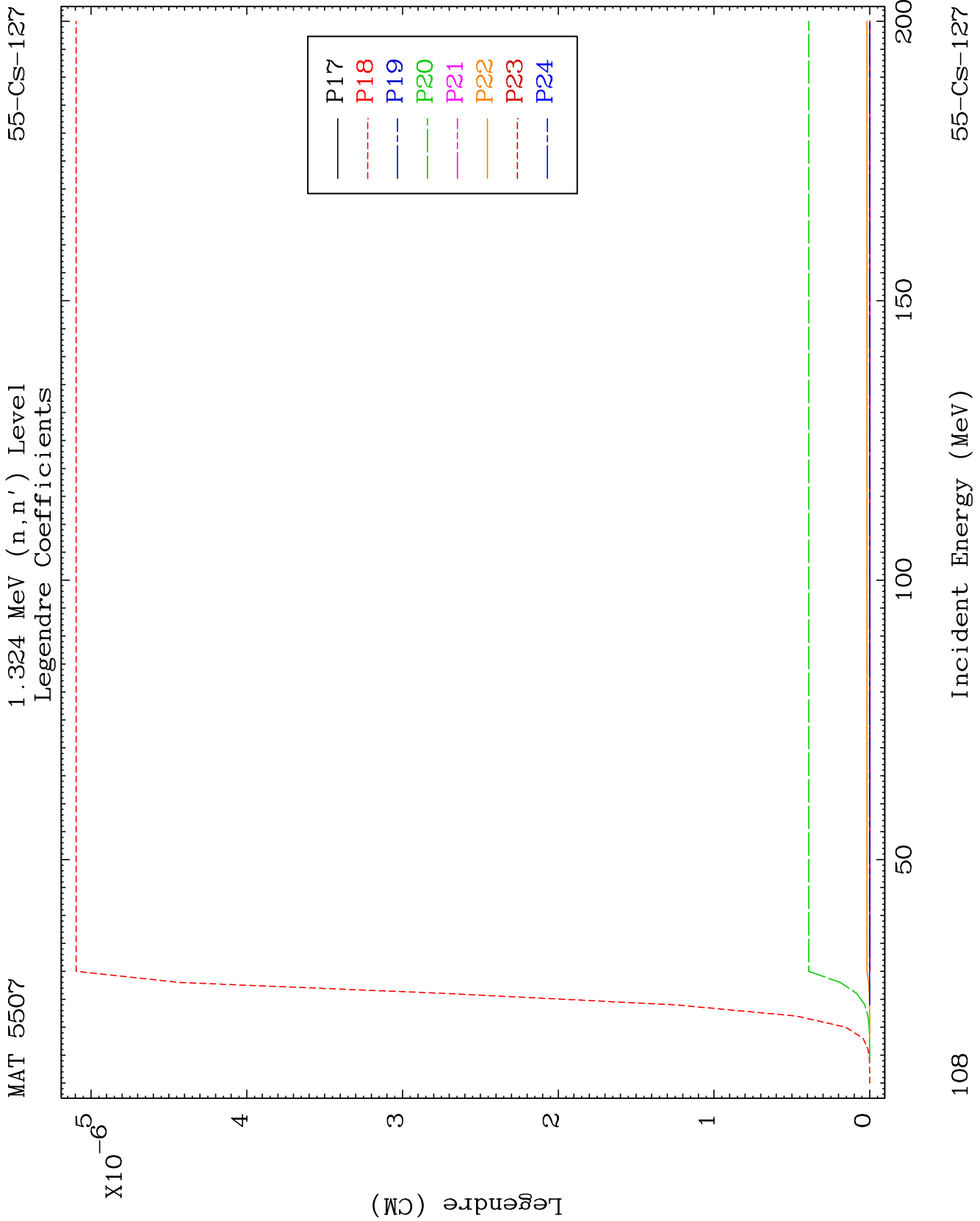


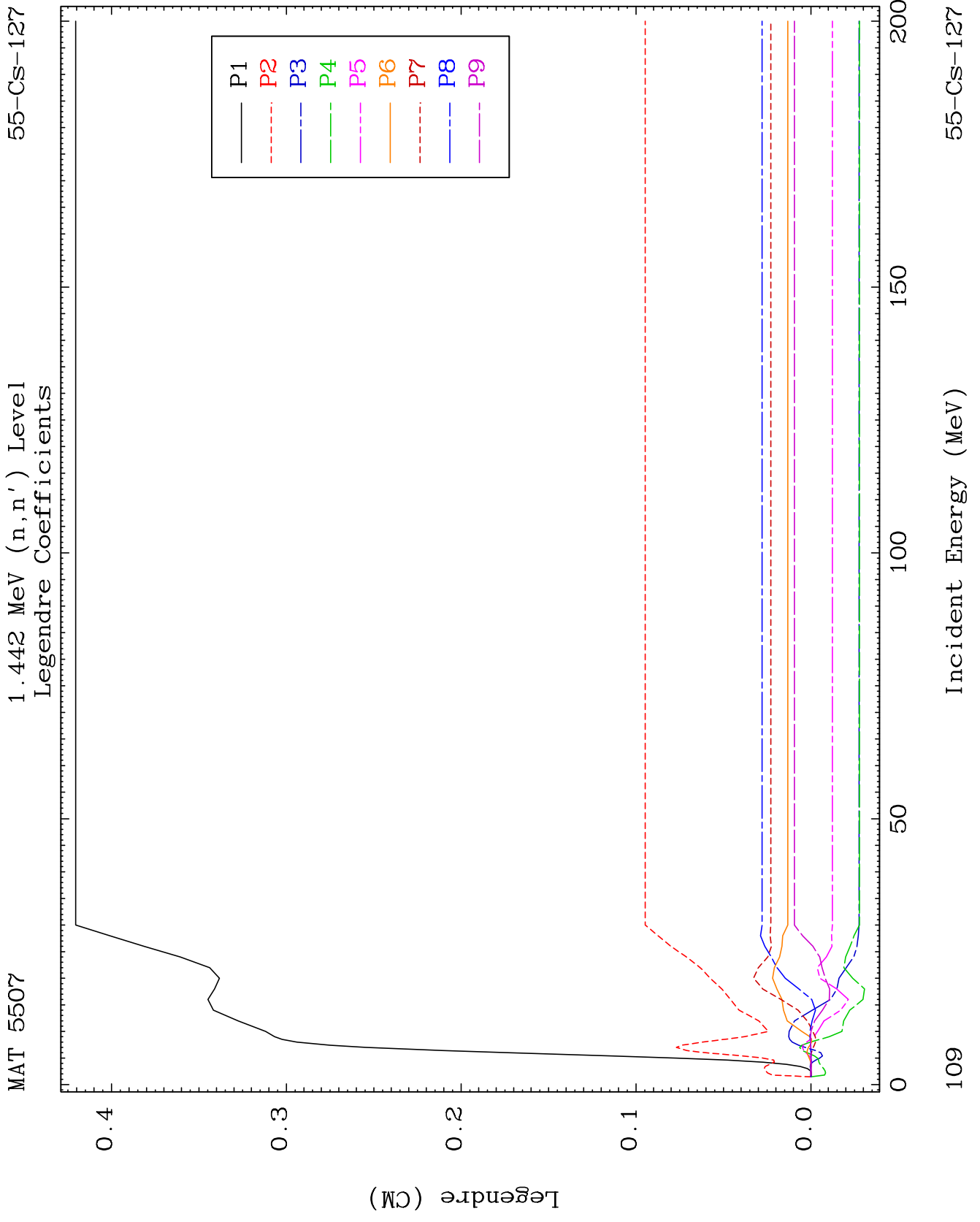


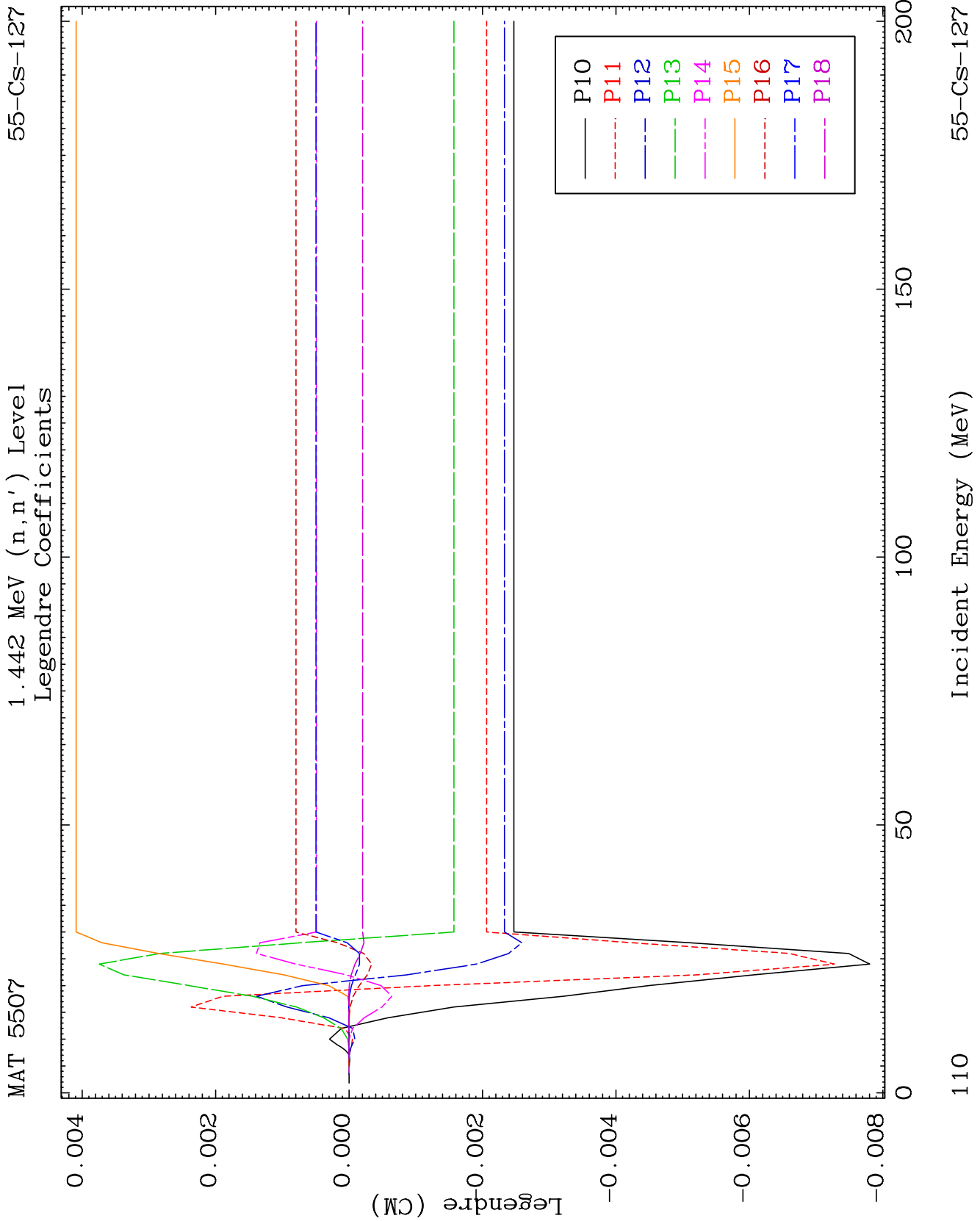


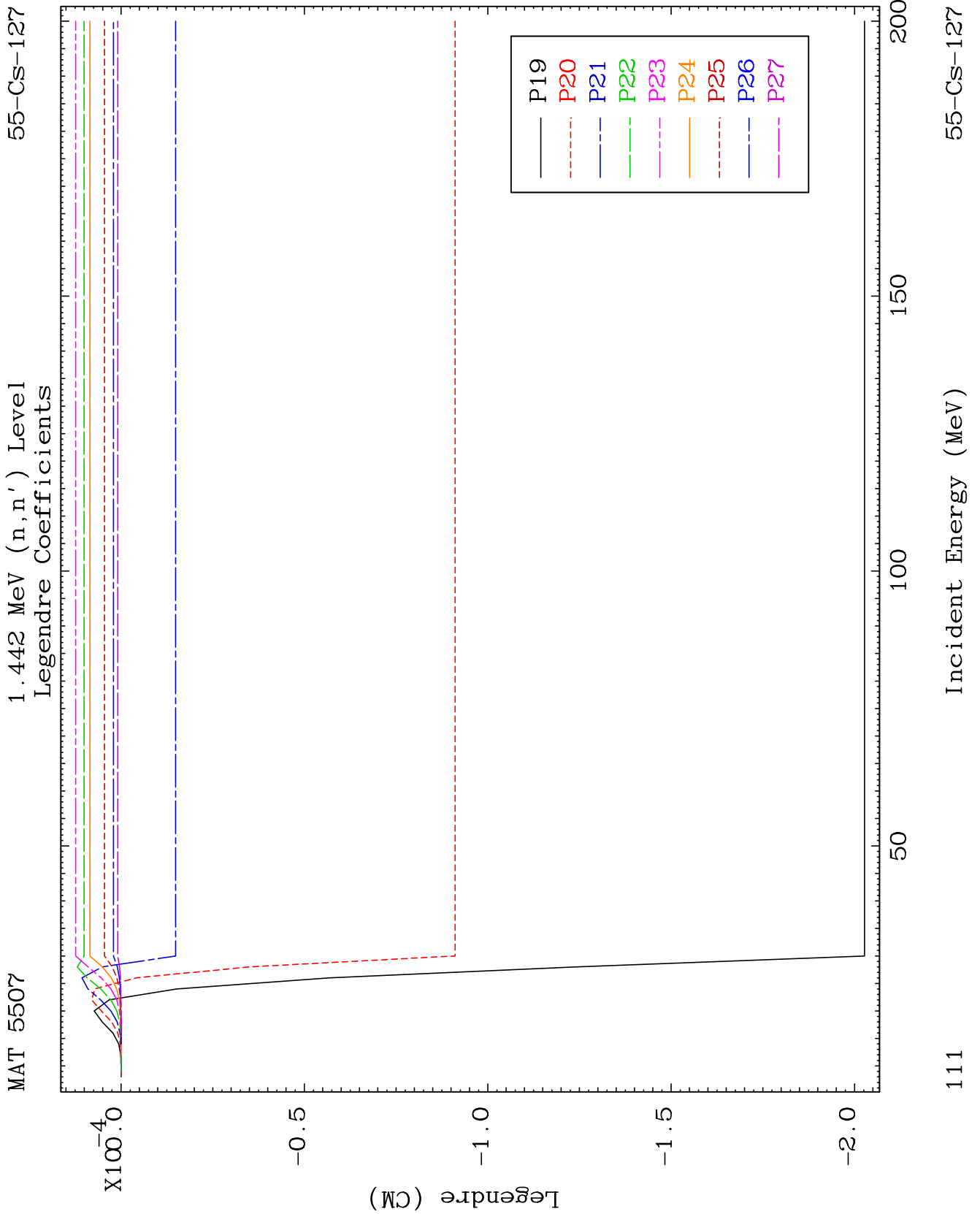










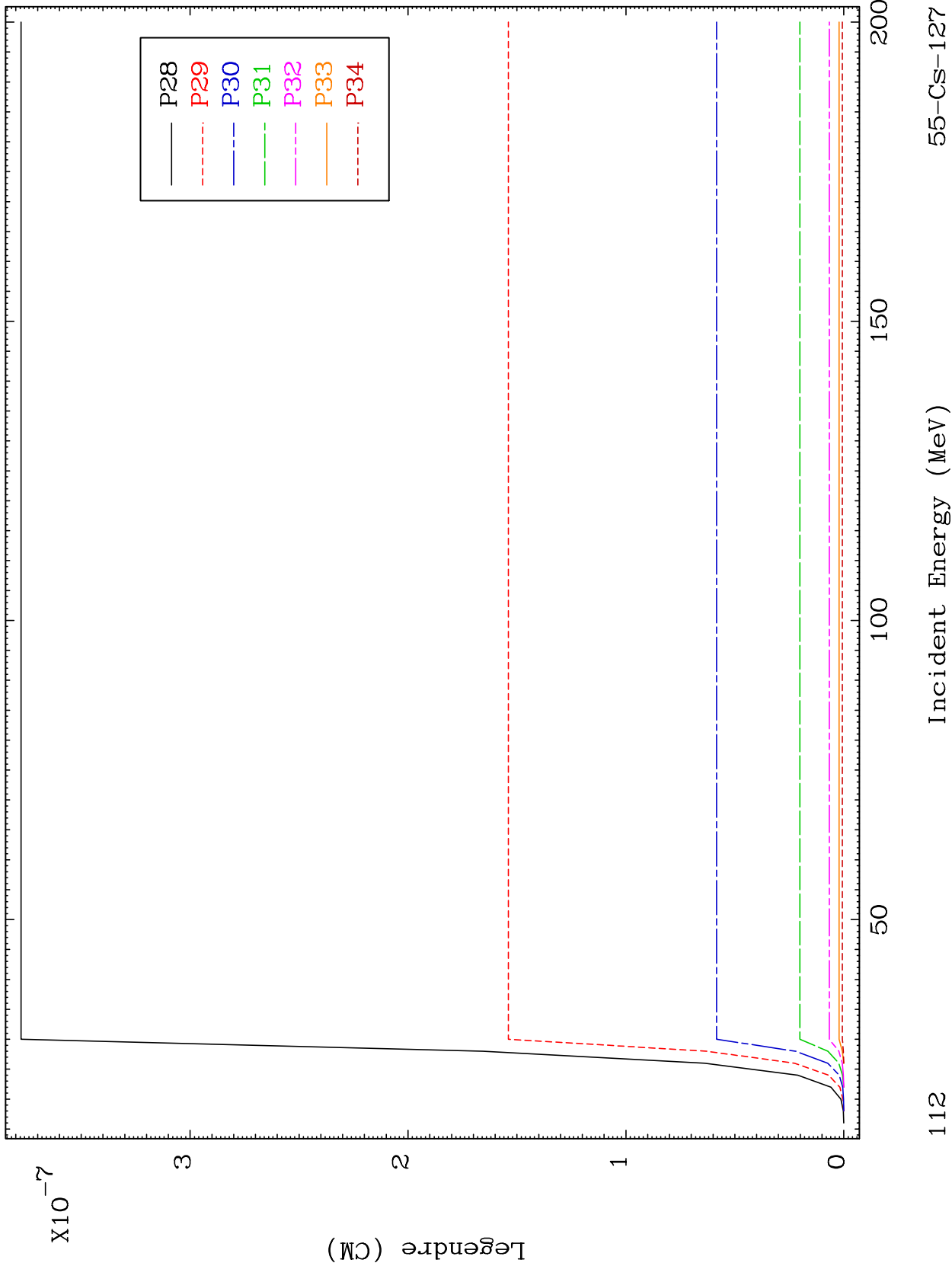




MAT 5507

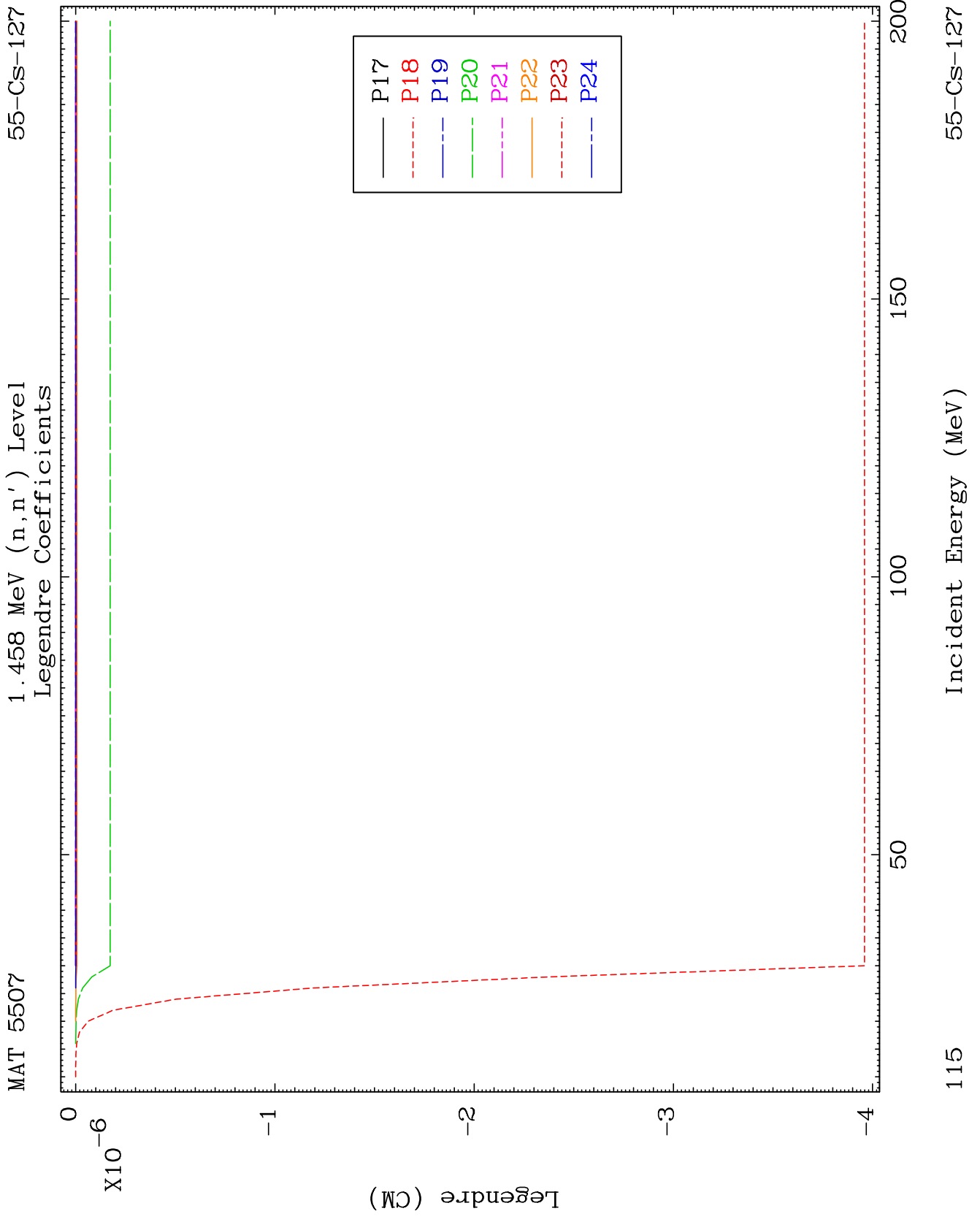
1.442 MeV (n,n') Level  
Legendre Coefficients

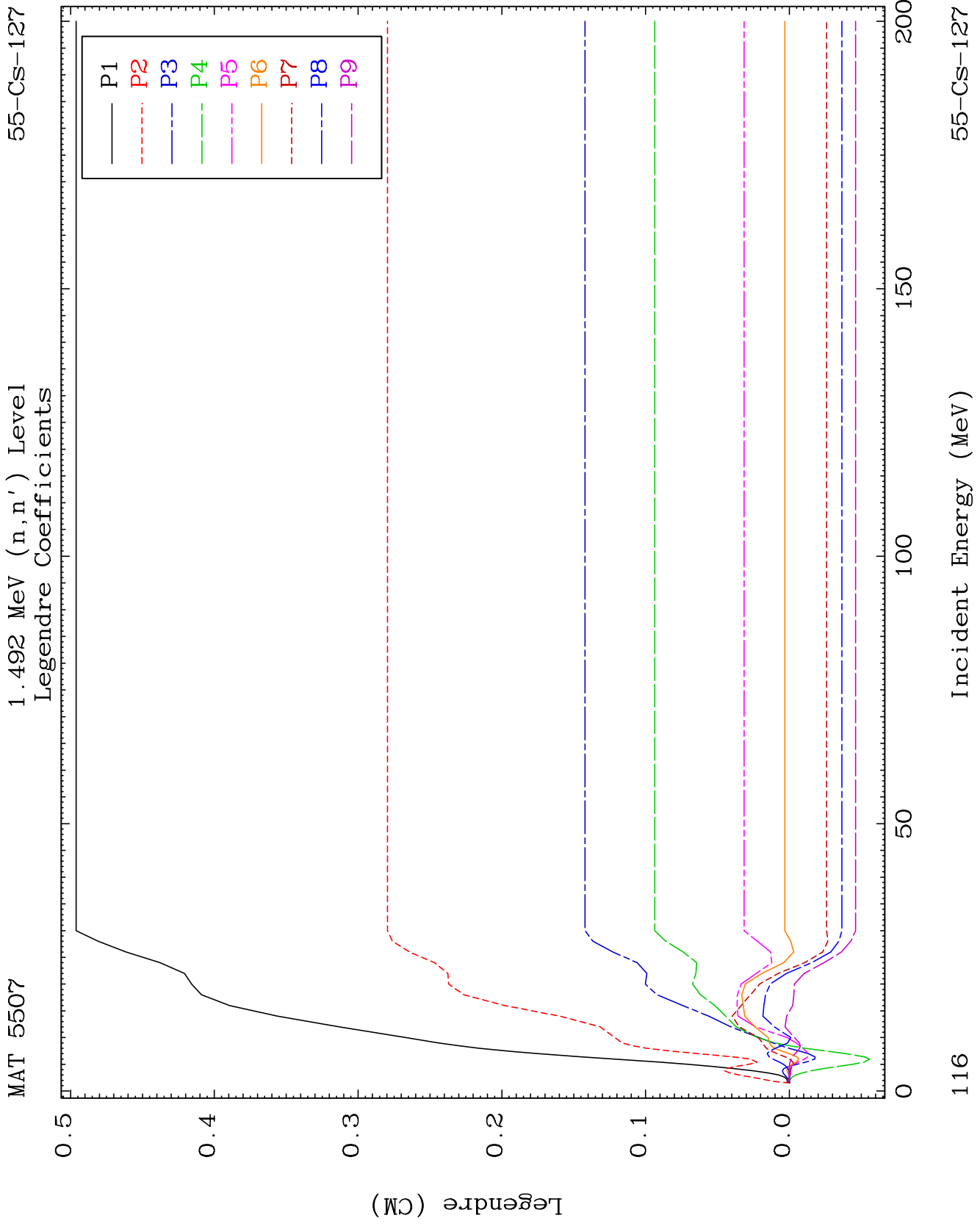
55-Cs-127



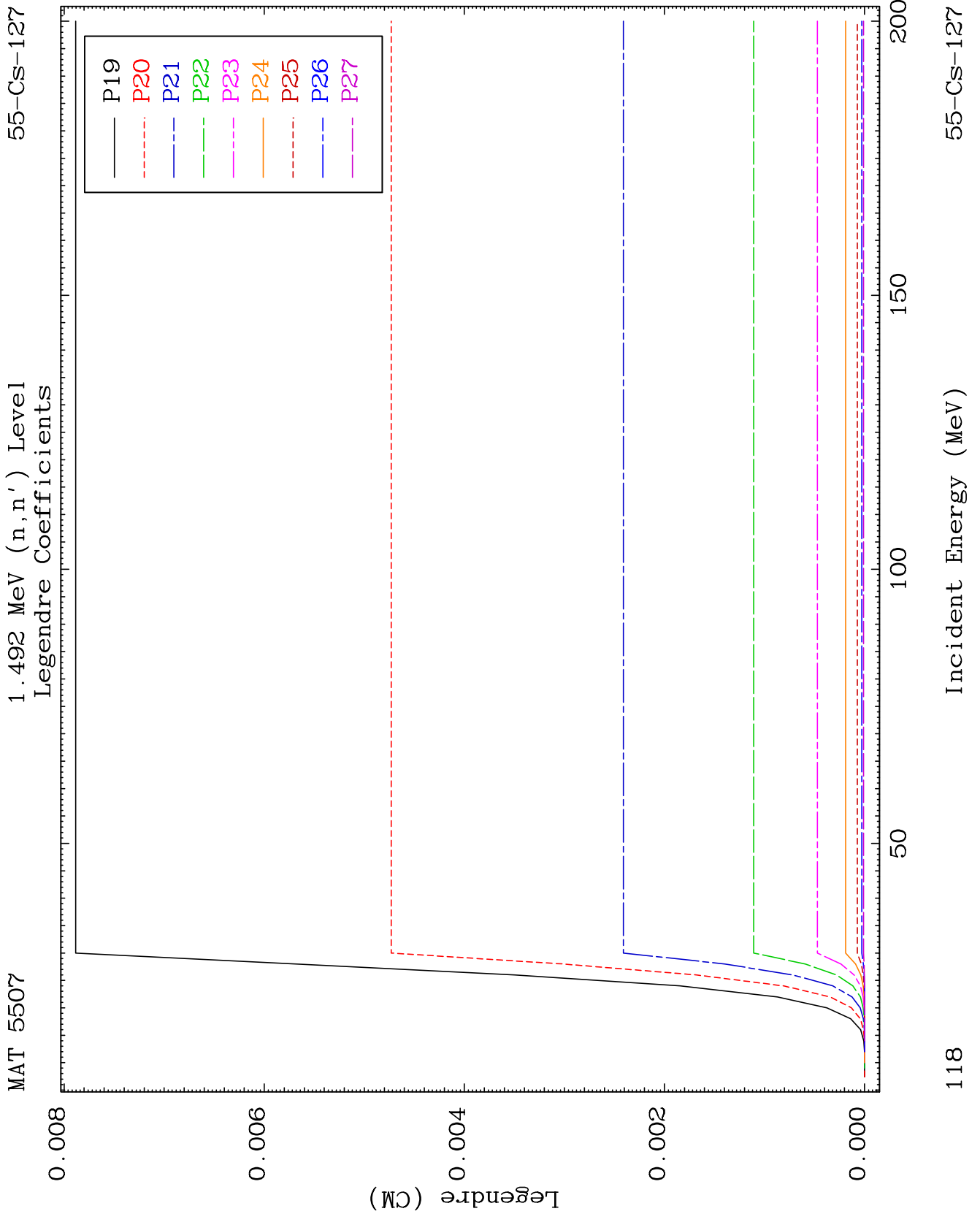








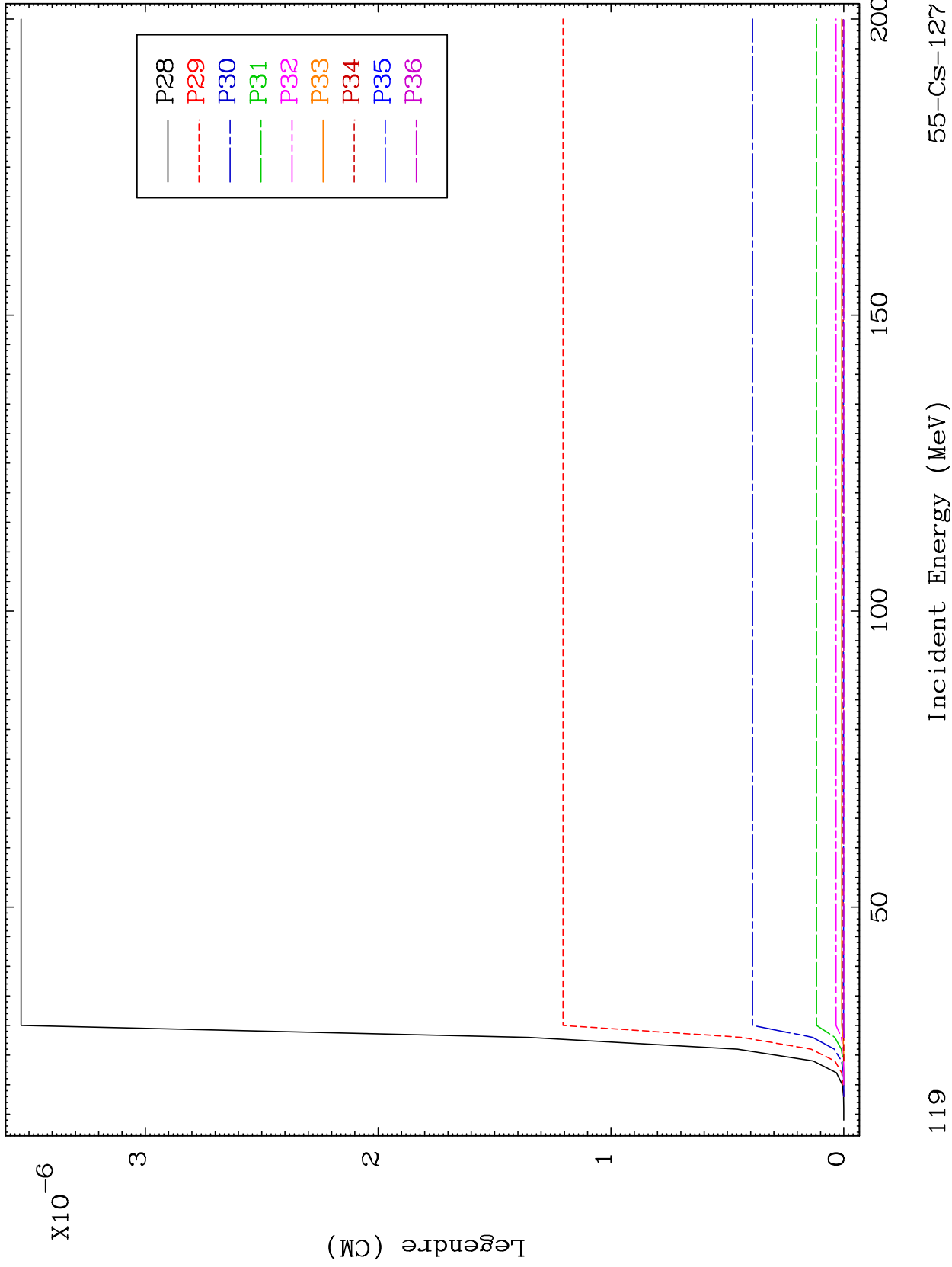




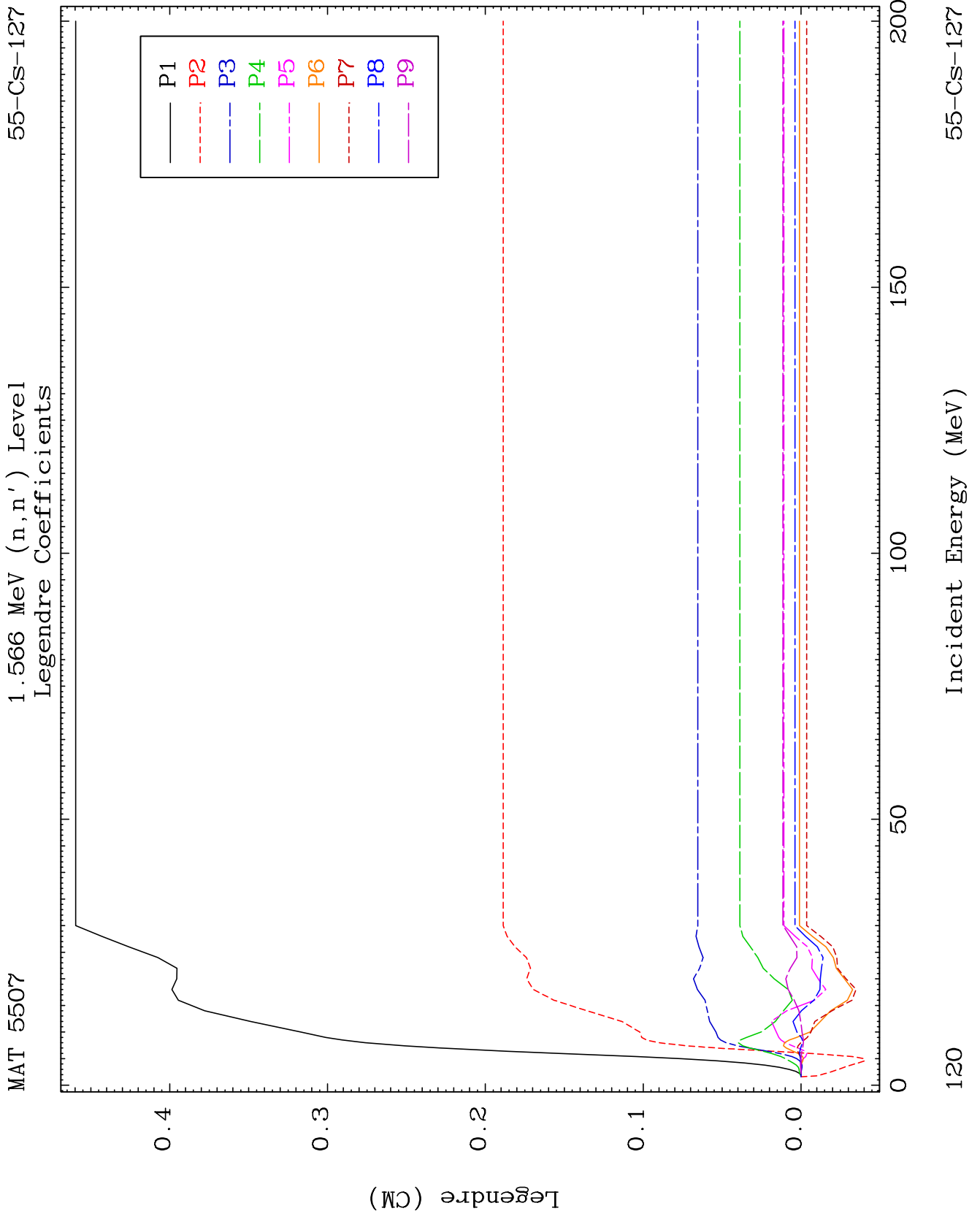
MAT 5507

1.492 MeV (n,n') Level  
Legendre Coefficients

55-Cs-127



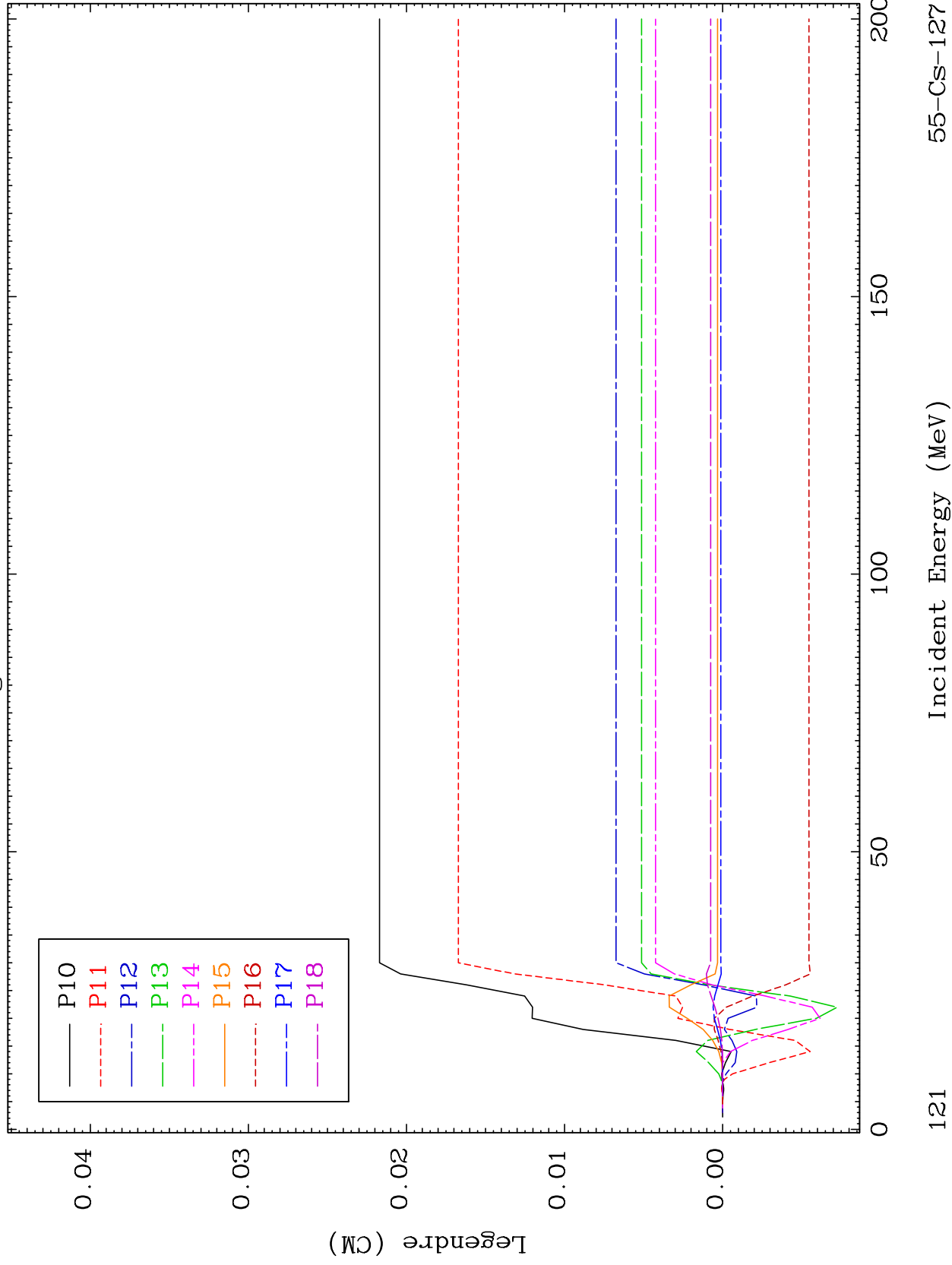




MAT 5507

1.566 MeV (n,n') Level  
Legendre Coefficients

55-Cs-127



121

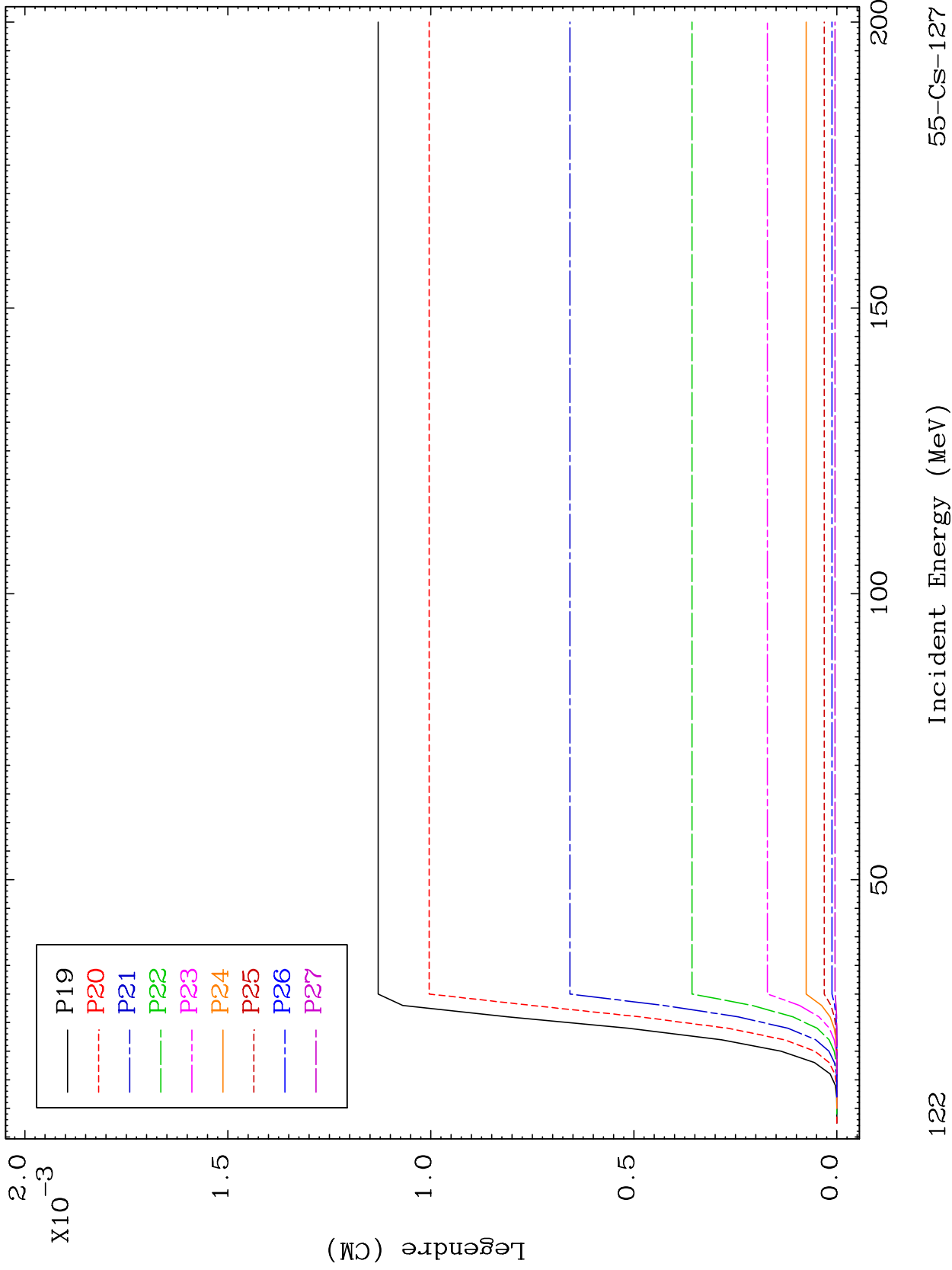
Incident Energy (MeV)

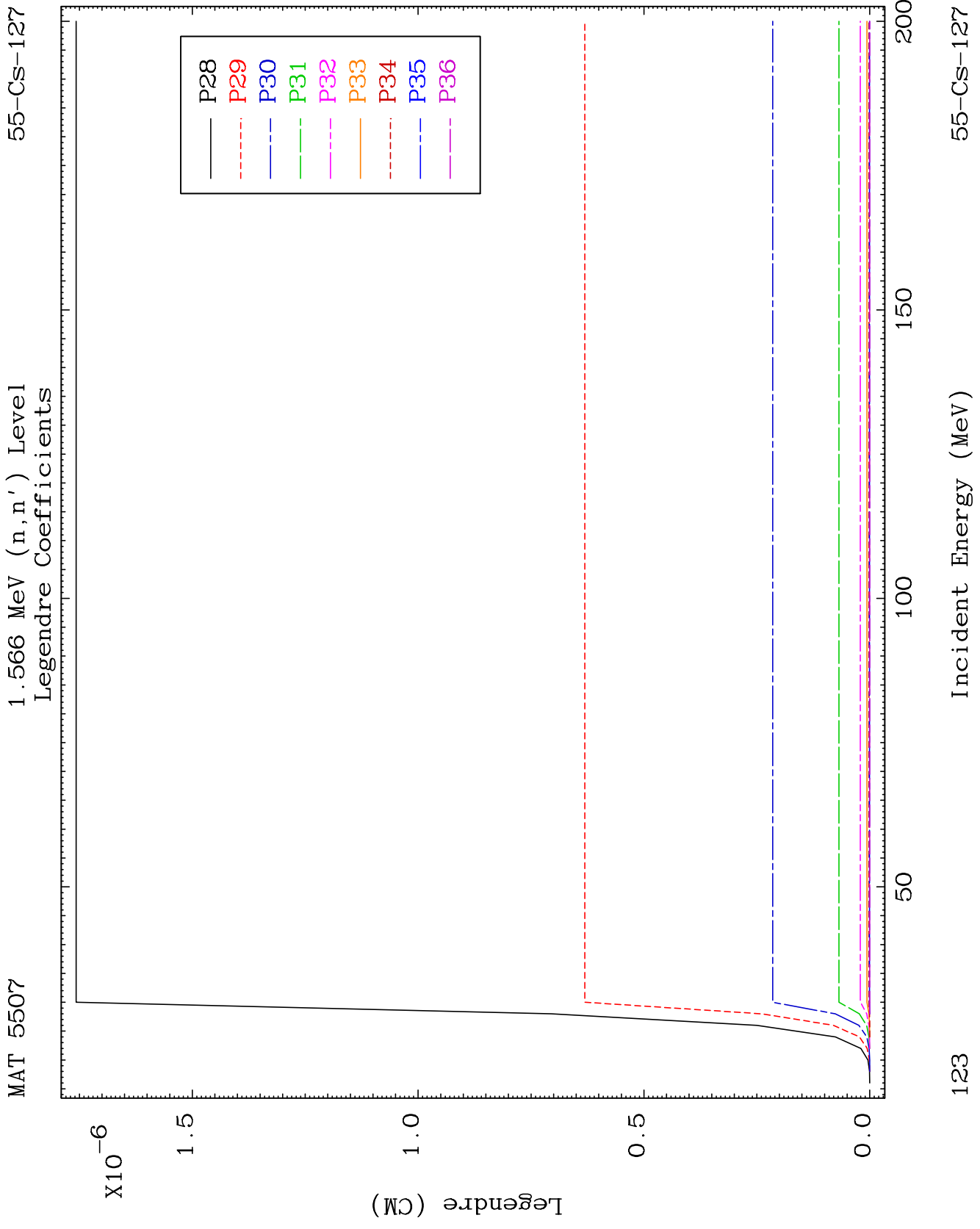
55-Cs-127

MAT 5507

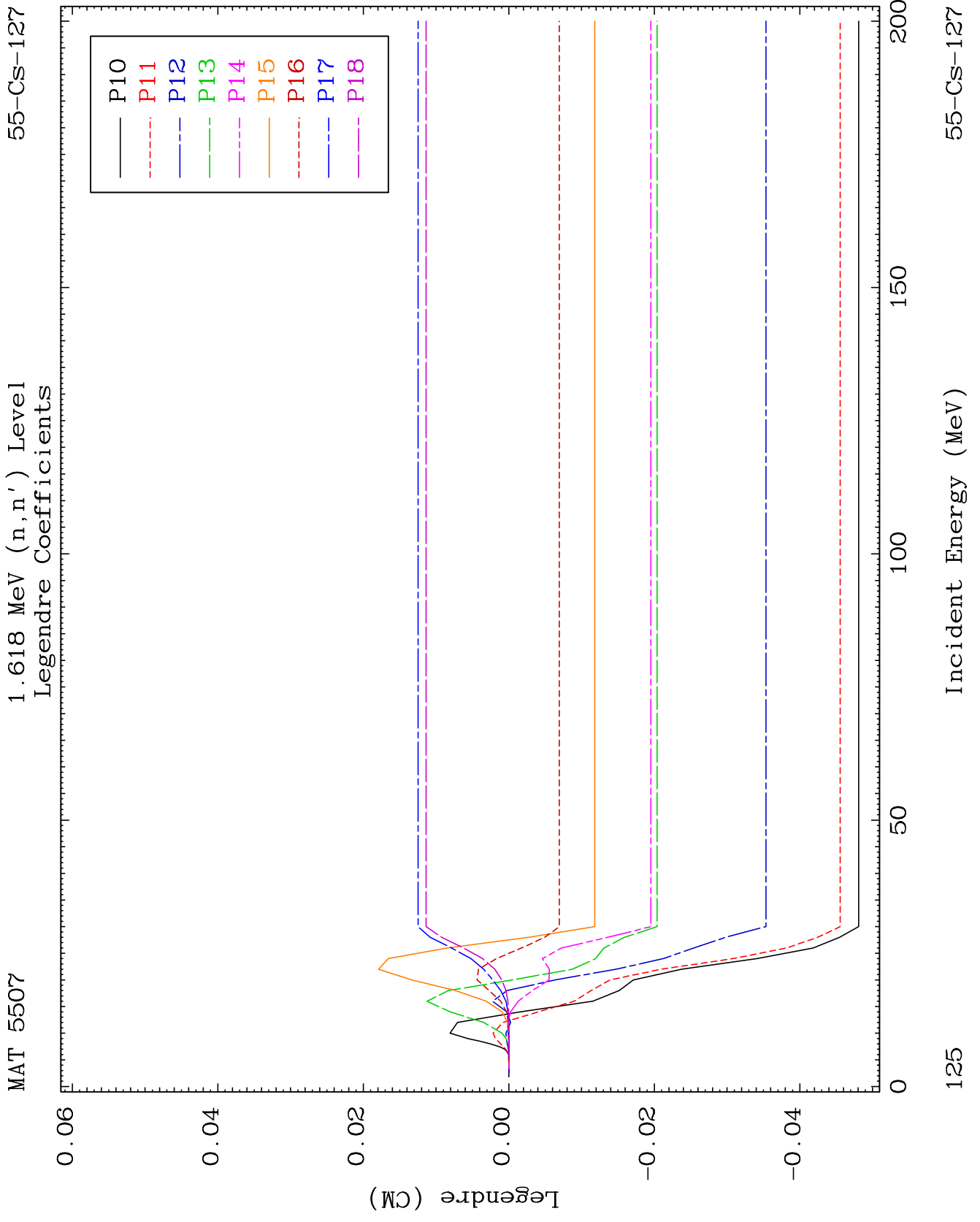
1.566 MeV (n,n') Level  
Legendre Coefficients

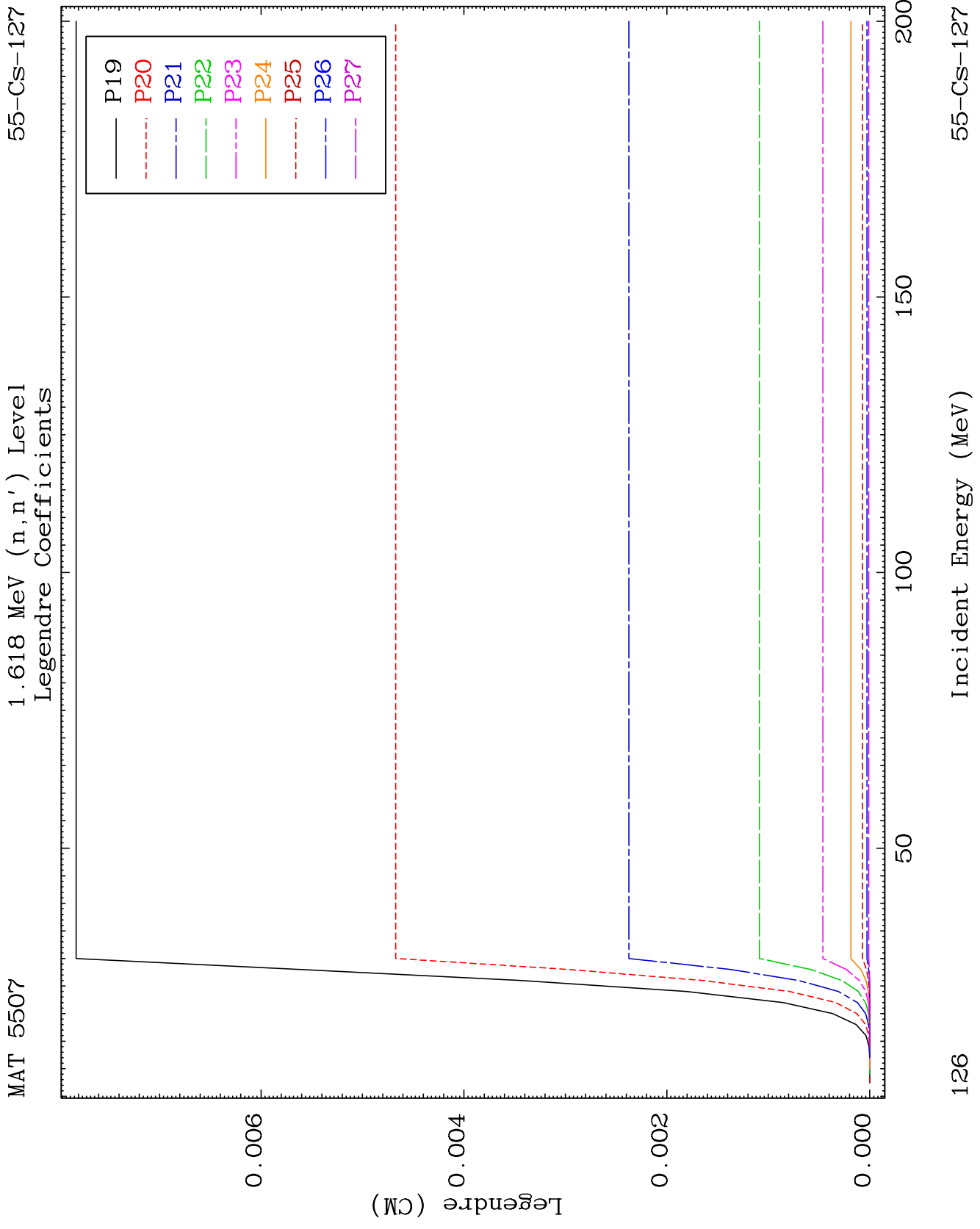
55-Cs-127

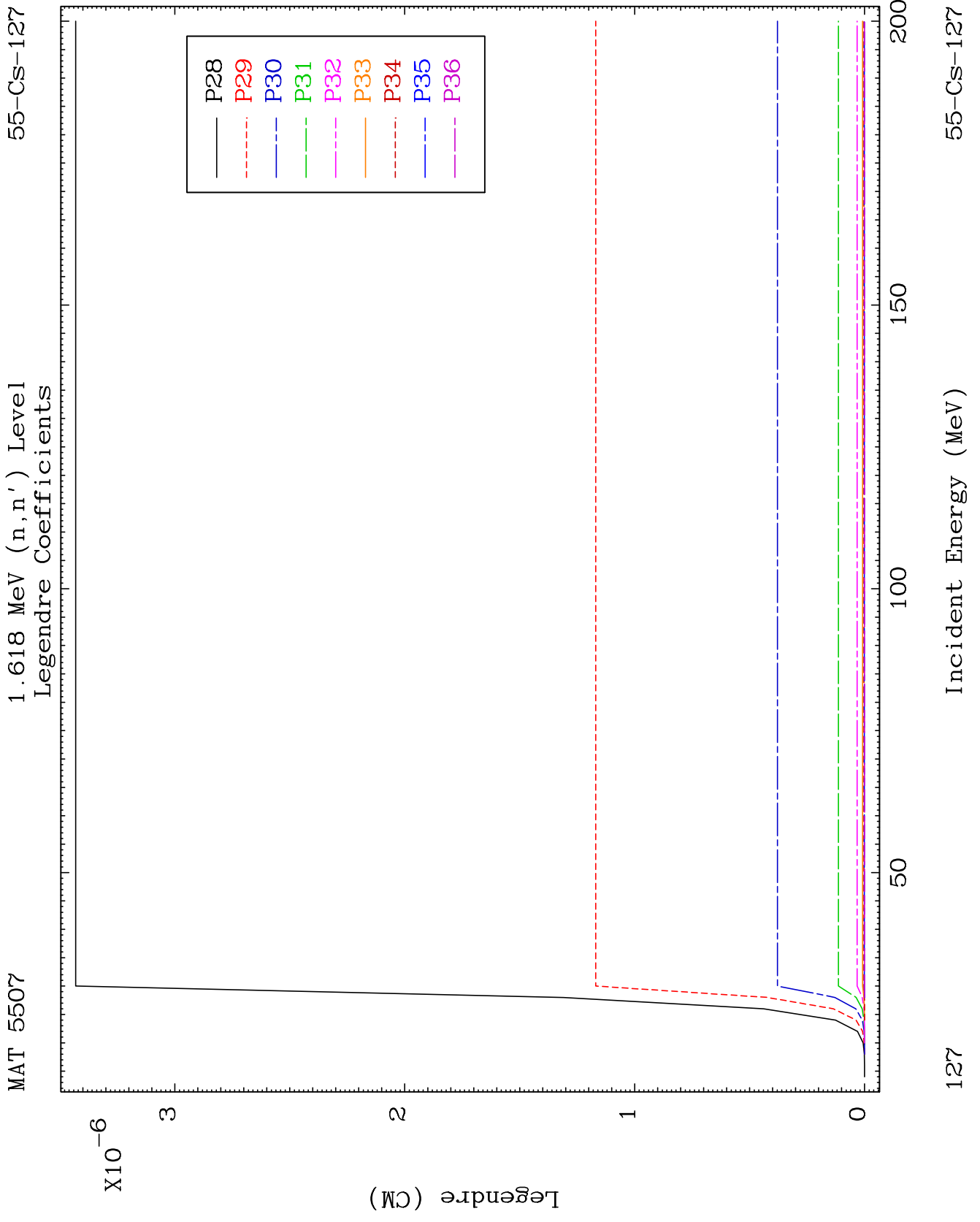












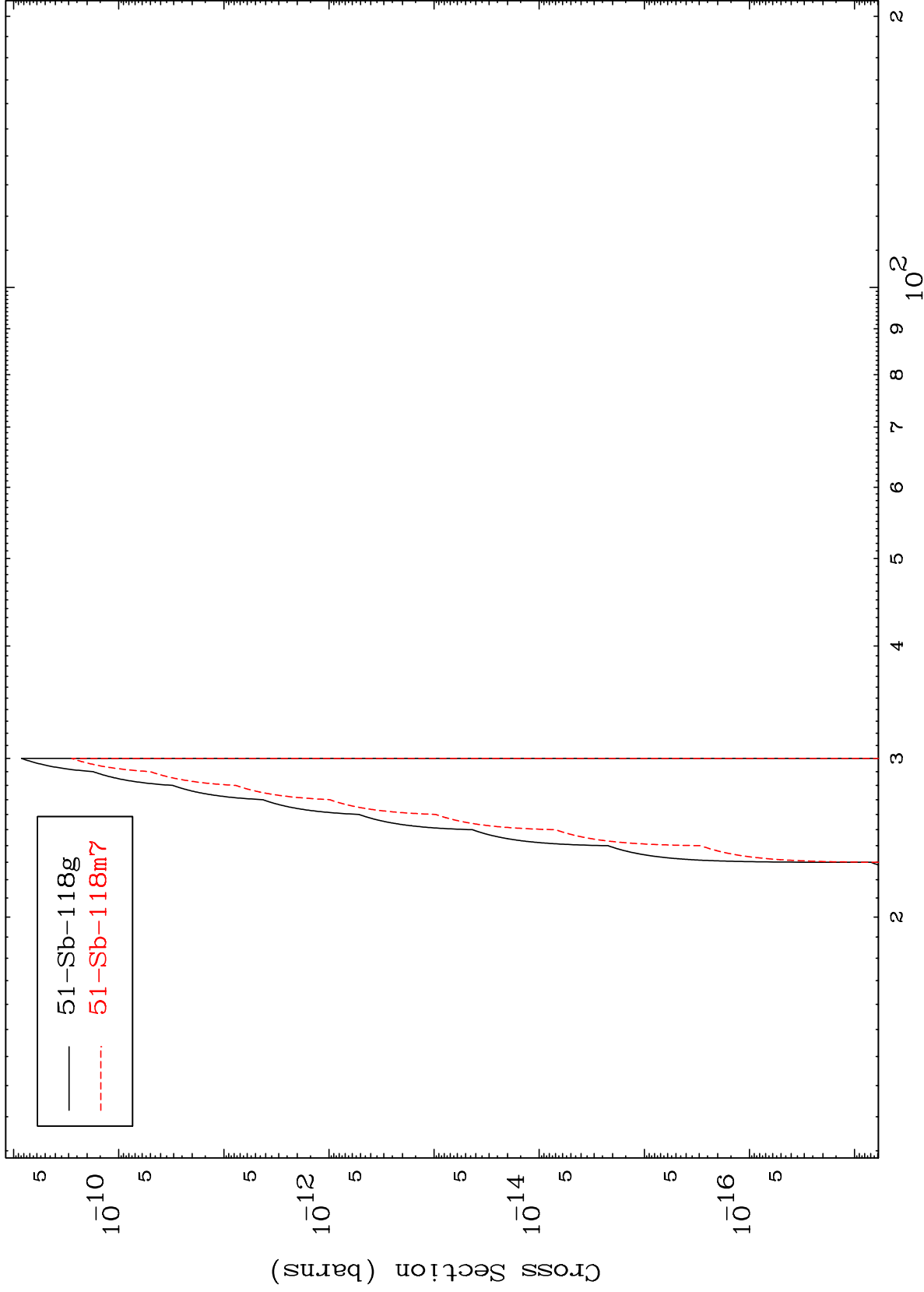


MAT 5507

(n,2n) 2α

55-Cs-127

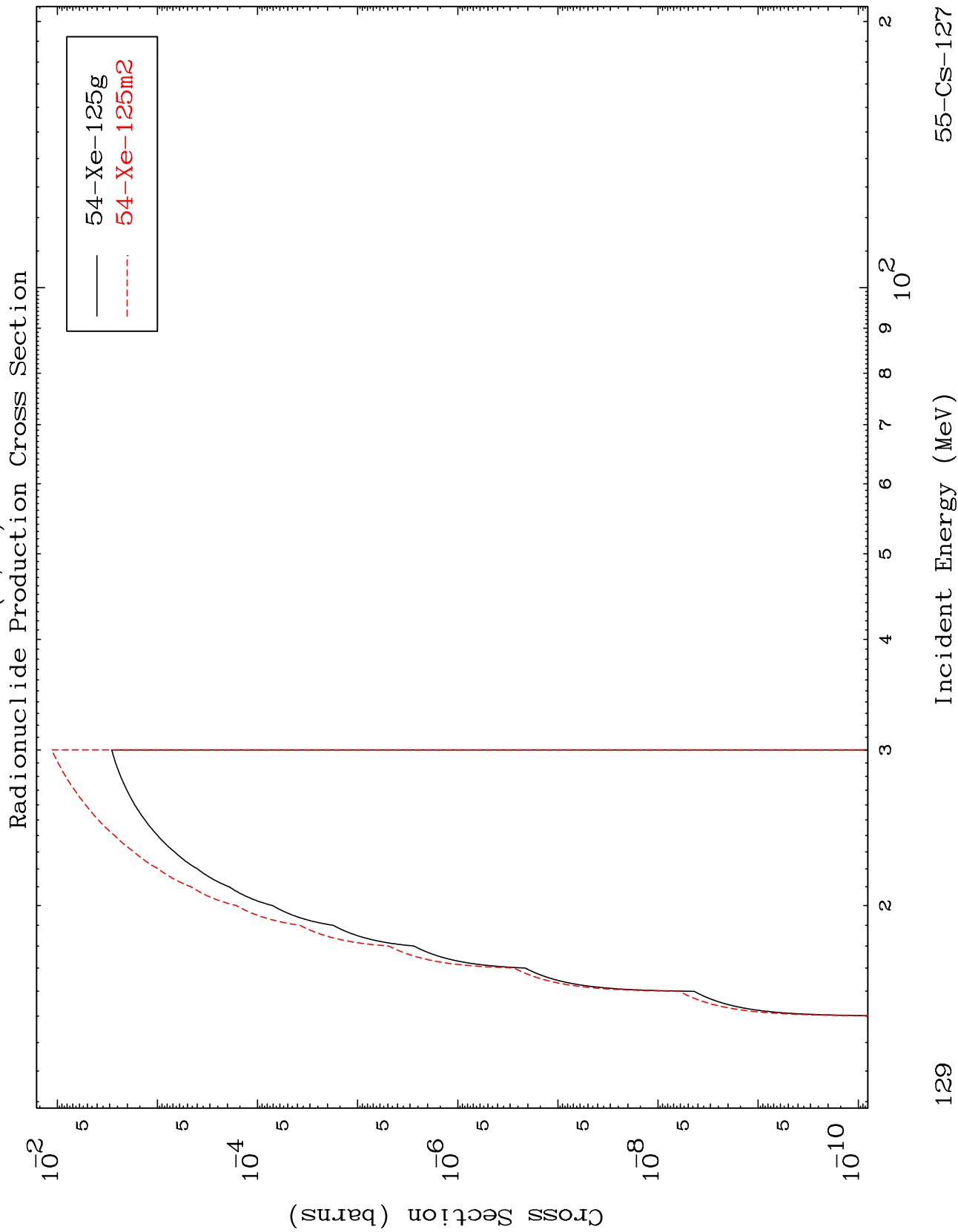
Radionuclide Production Cross Section

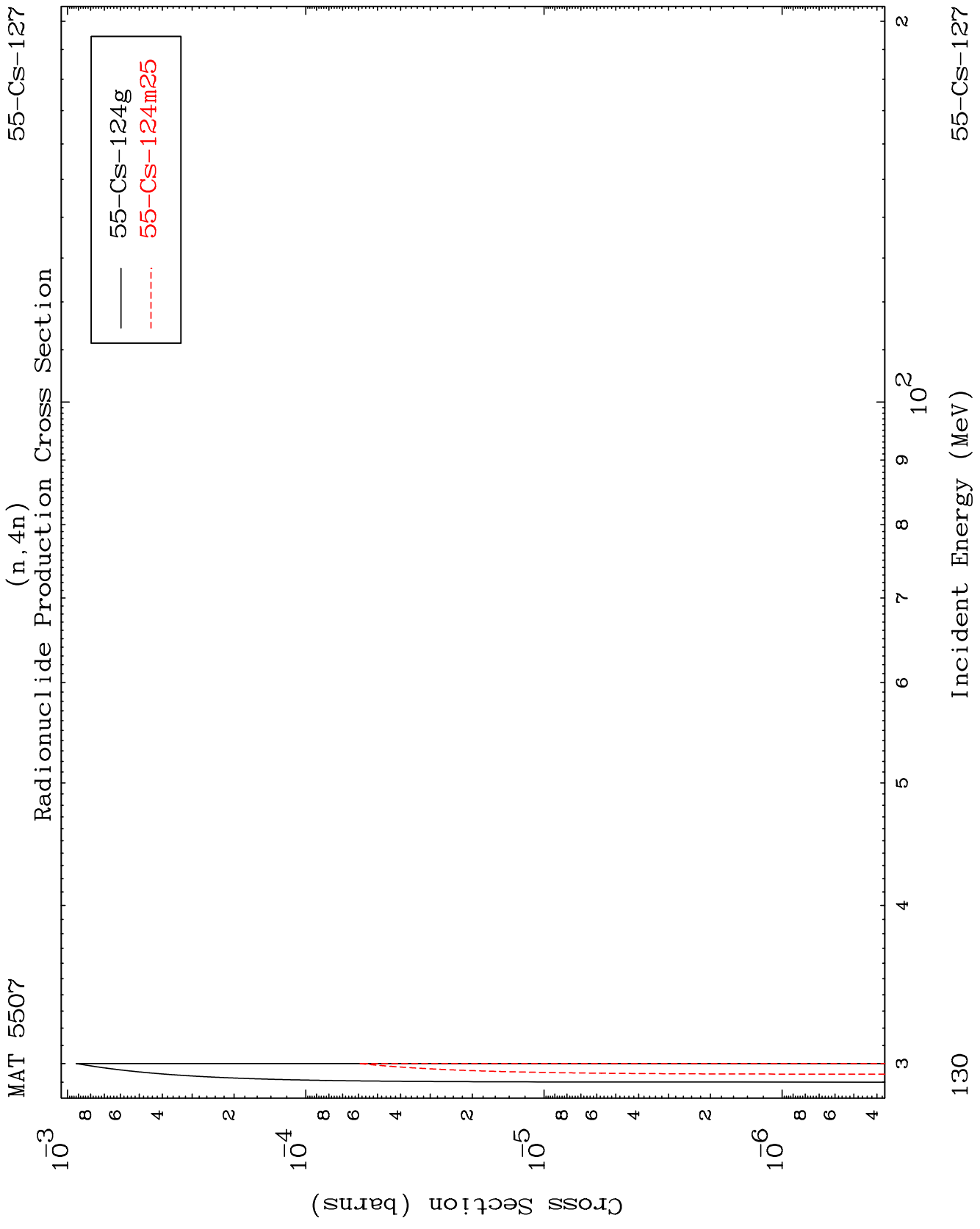


128

Incident Energy (MeV)

55-Cs-127



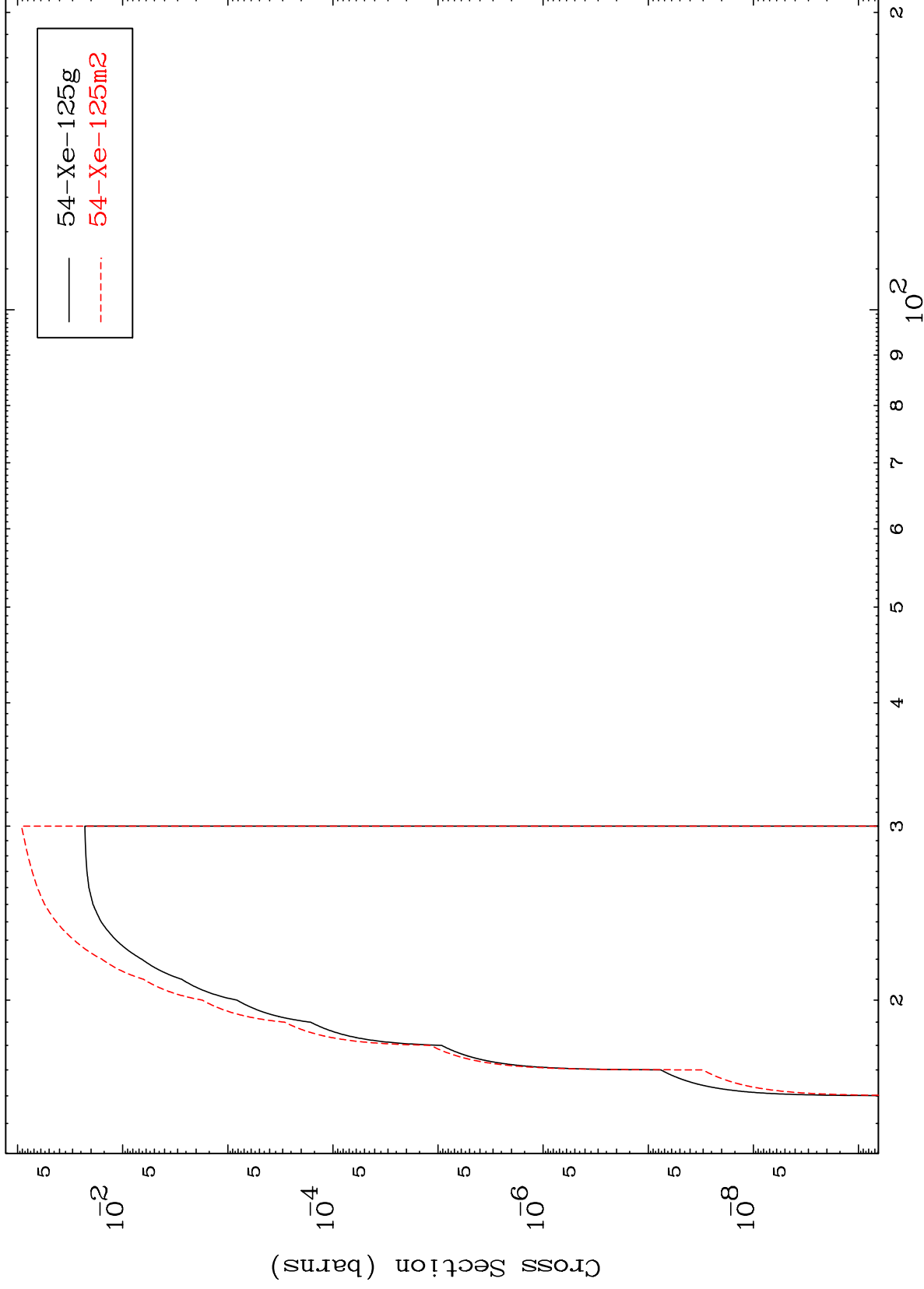


MAT 5507

(n,2n) p

55-Cs-127

Radionuclide Production Cross Section



131

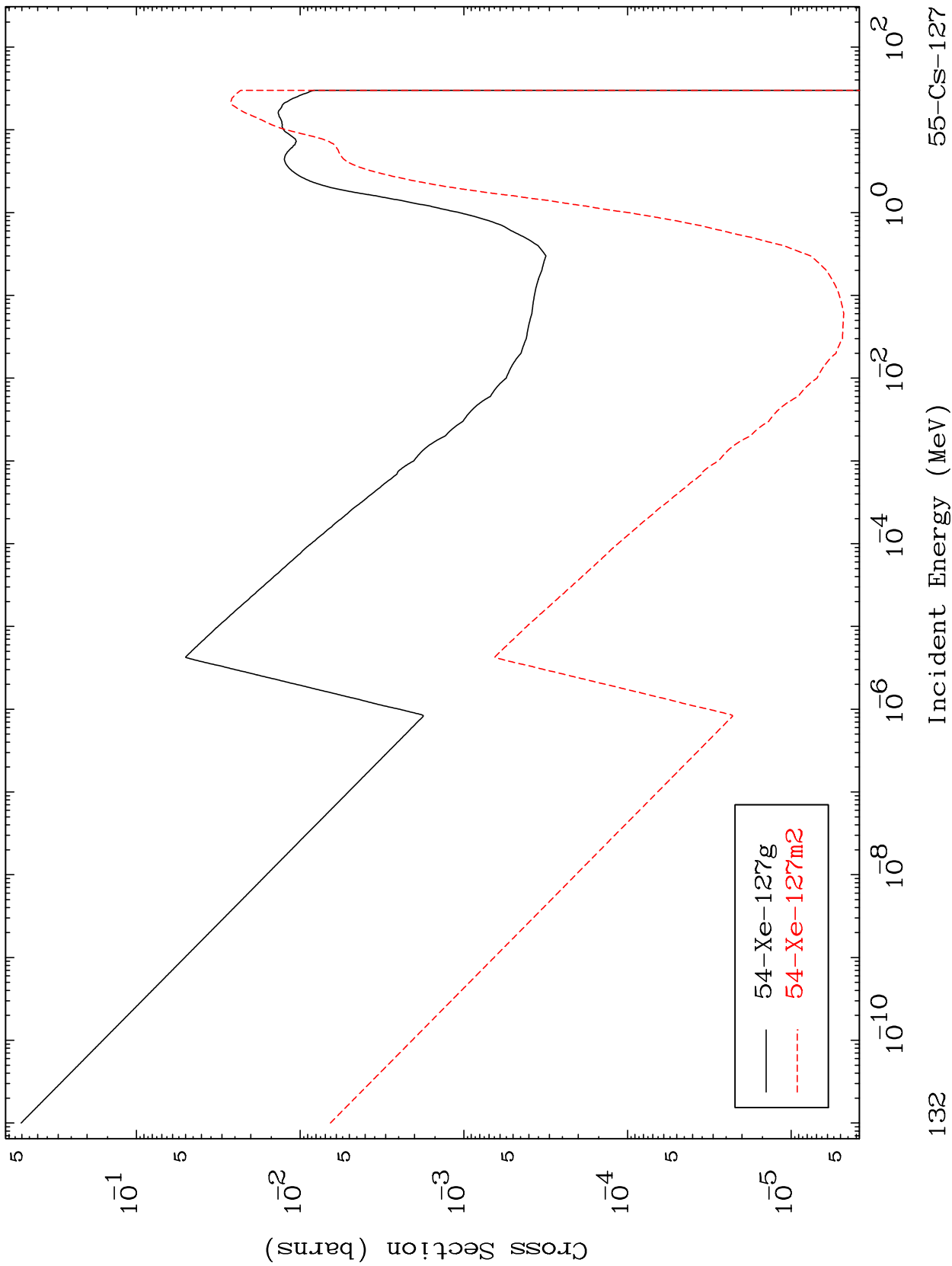
Incident Energy (MeV)

55-Cs-127

MAT 5507

55-Cs-127

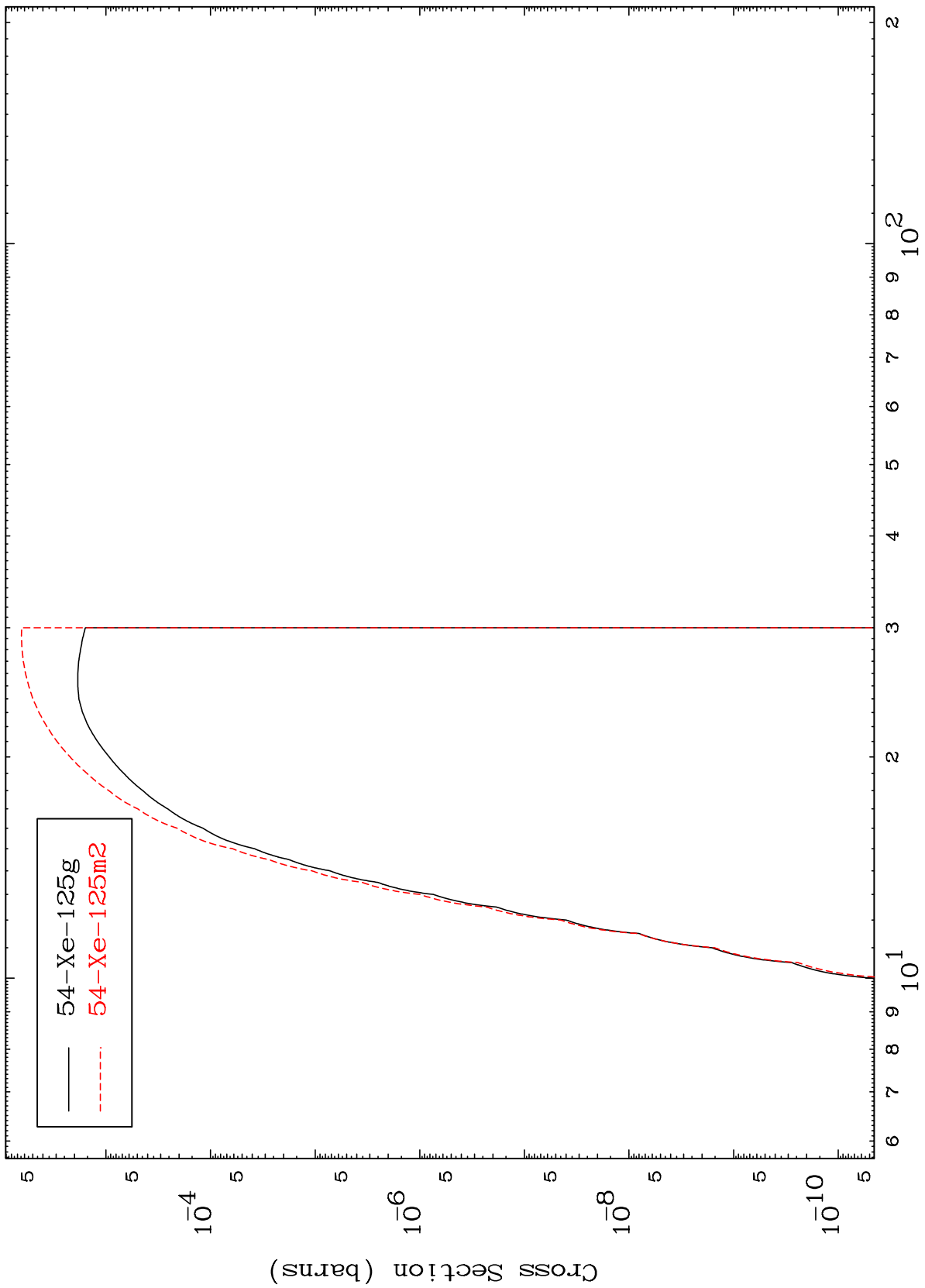
Radionuclide Production Cross Section (n,p)



MAT 5507

55-Cs-127

(n, t)  
Radionuclide Production Cross Section



133

Incident Energy (MeV)

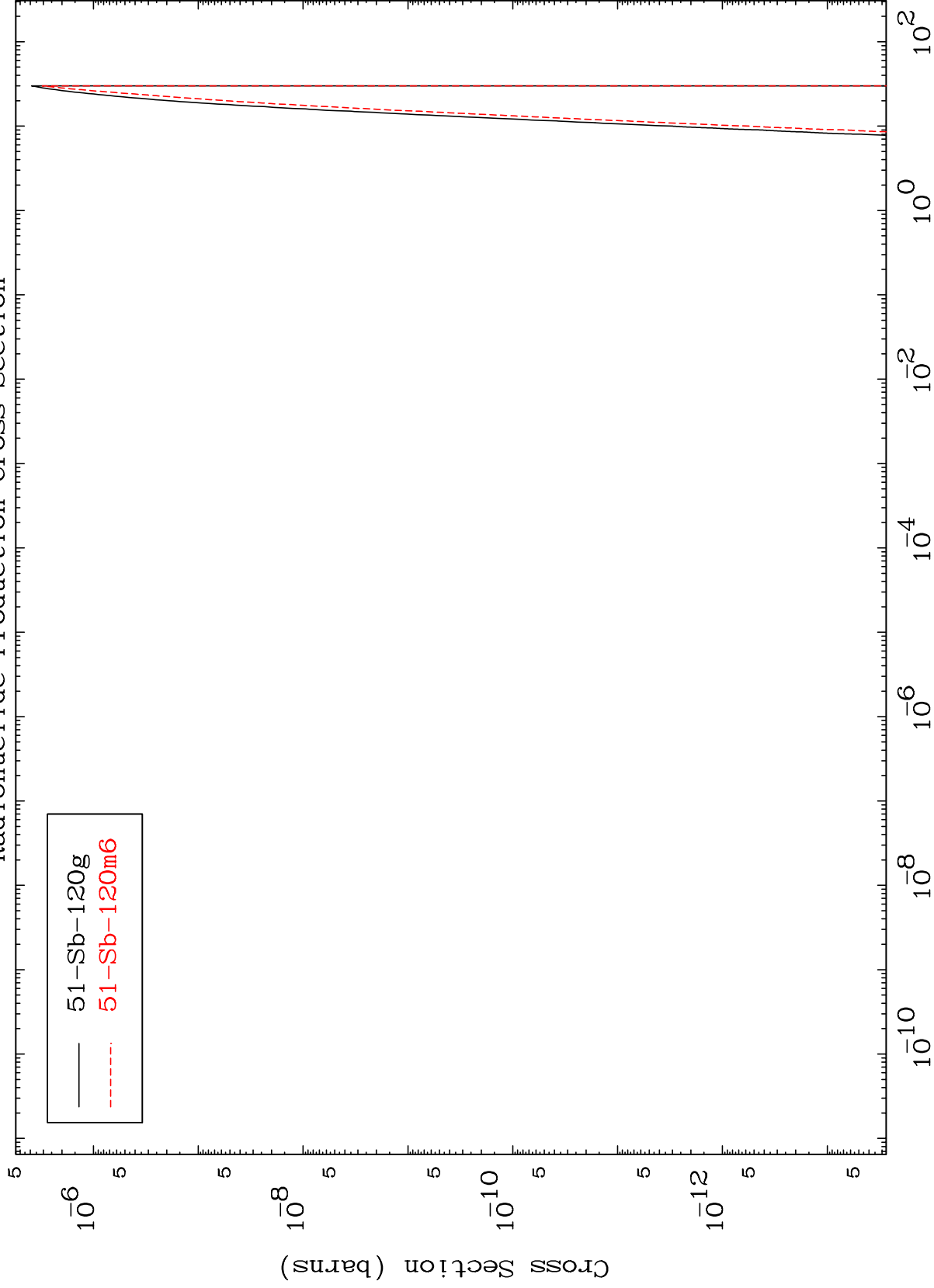
55-Cs-127

MAT 5507

(n,2α)

55-Cs-127

Radionuclide Production Cross Section



134

Incident Energy (MeV)

55-Cs-127

MAT 5507

(n,p)  $\alpha$

55-Cs-127

Radionuclide Production Cross Section

