

Program EVALPLOT  
(Version 2018-1)

by

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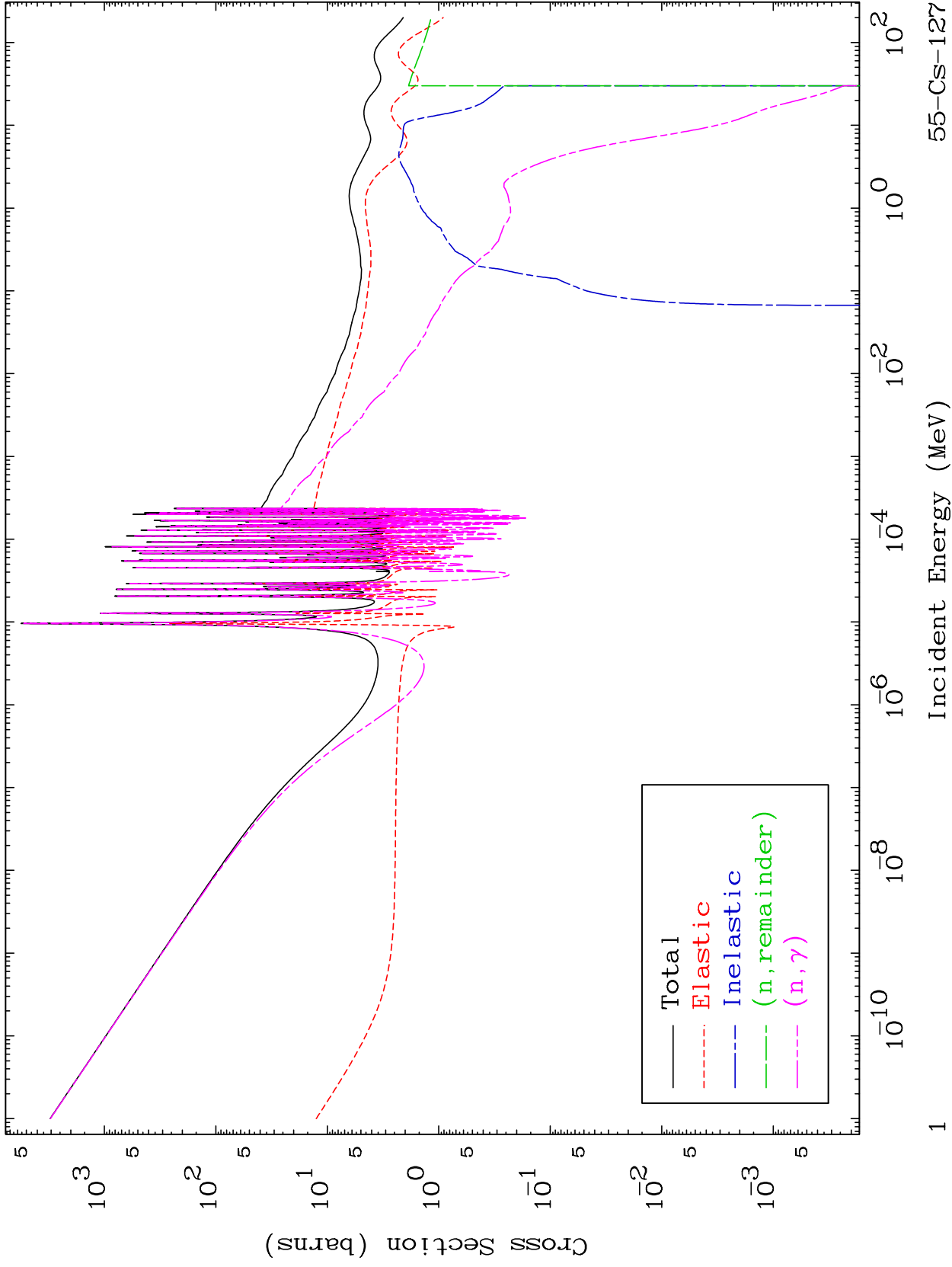
Press Mouse Button to Start

MAT 5507

Major

293 Kelvin Cross Sections

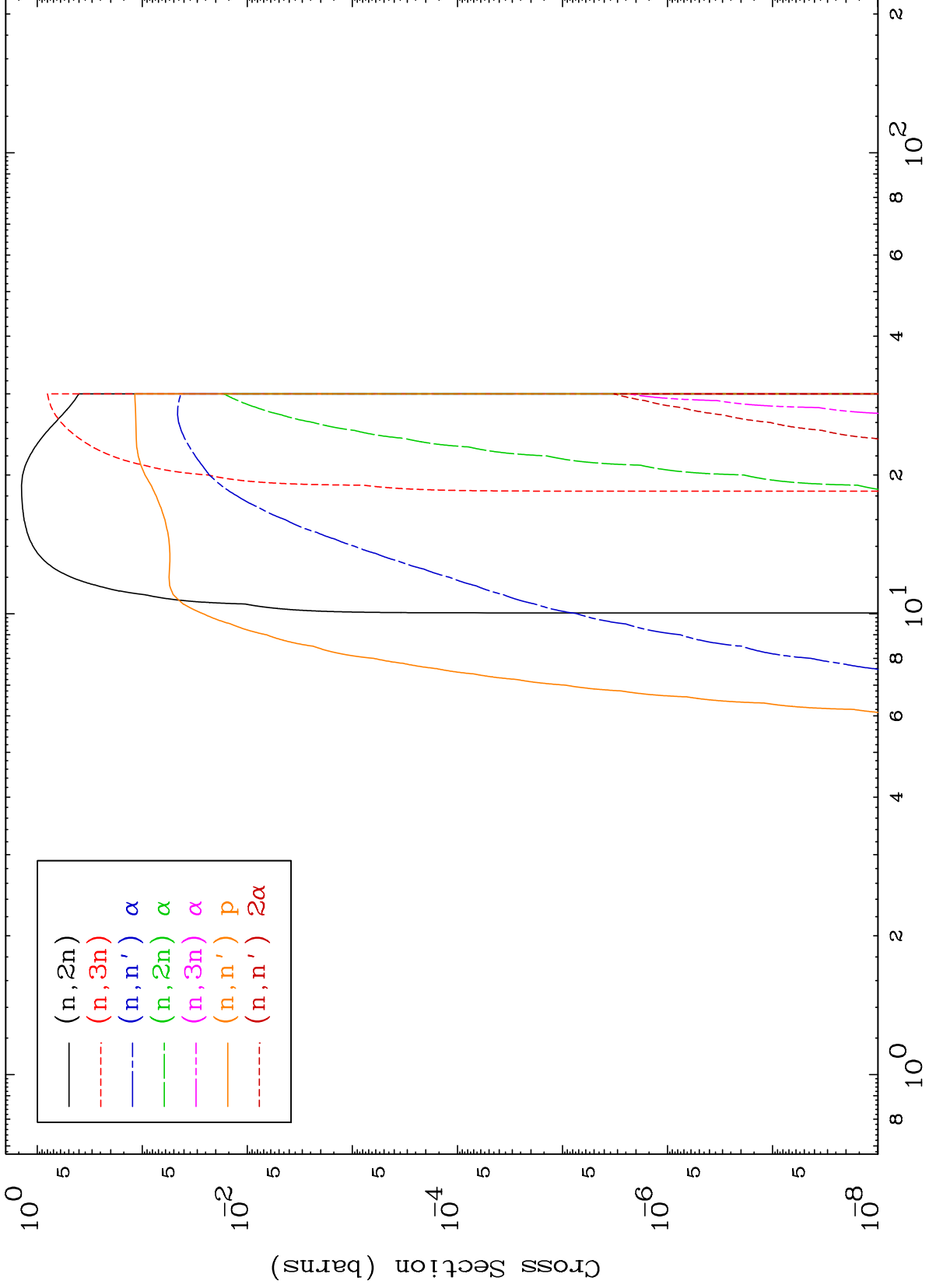
55-Cs-127



MAT 5507

Neutron Production  
293 Kelvin Cross Sections

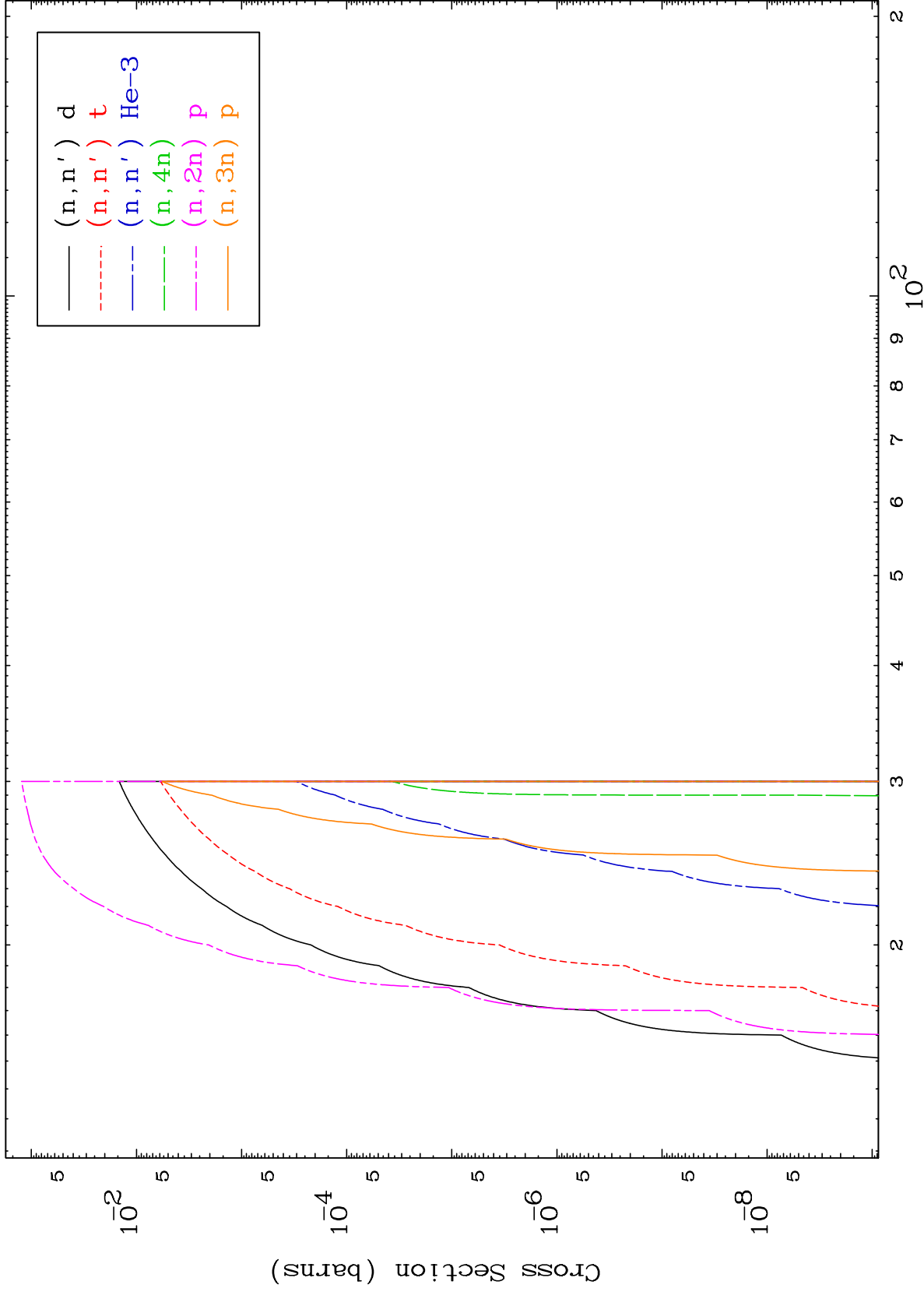
55-Cs-127



2

Incident Energy (MeV)

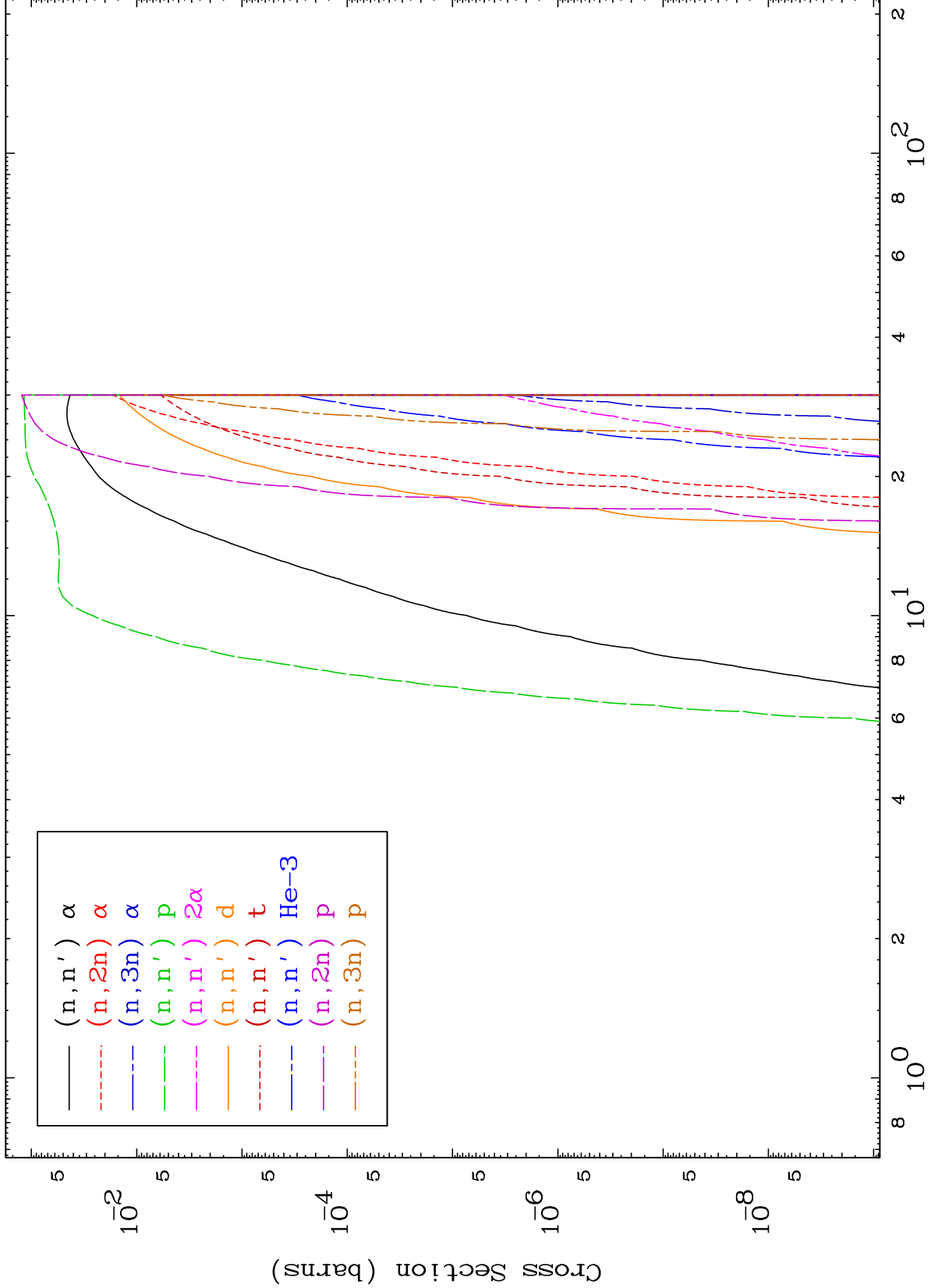
55-Cs-127



MAT 5507

Charged Particle  
293 Kelvin Cross Sections

55-Cs-127



4

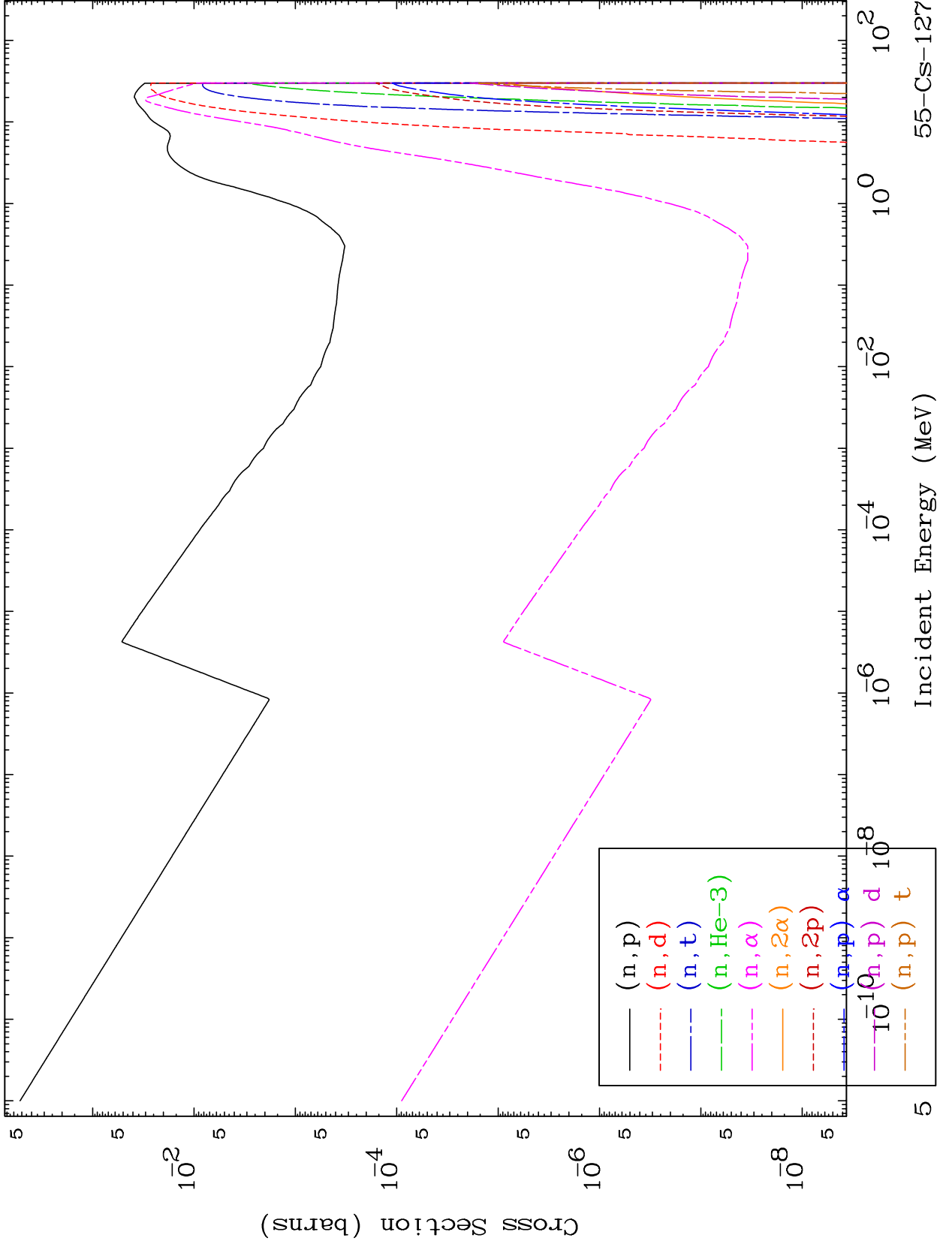
Incident Energy (MeV)

55-Cs-127

MAT 5507

Charged Particle  
293 Kelvin Cross Sections

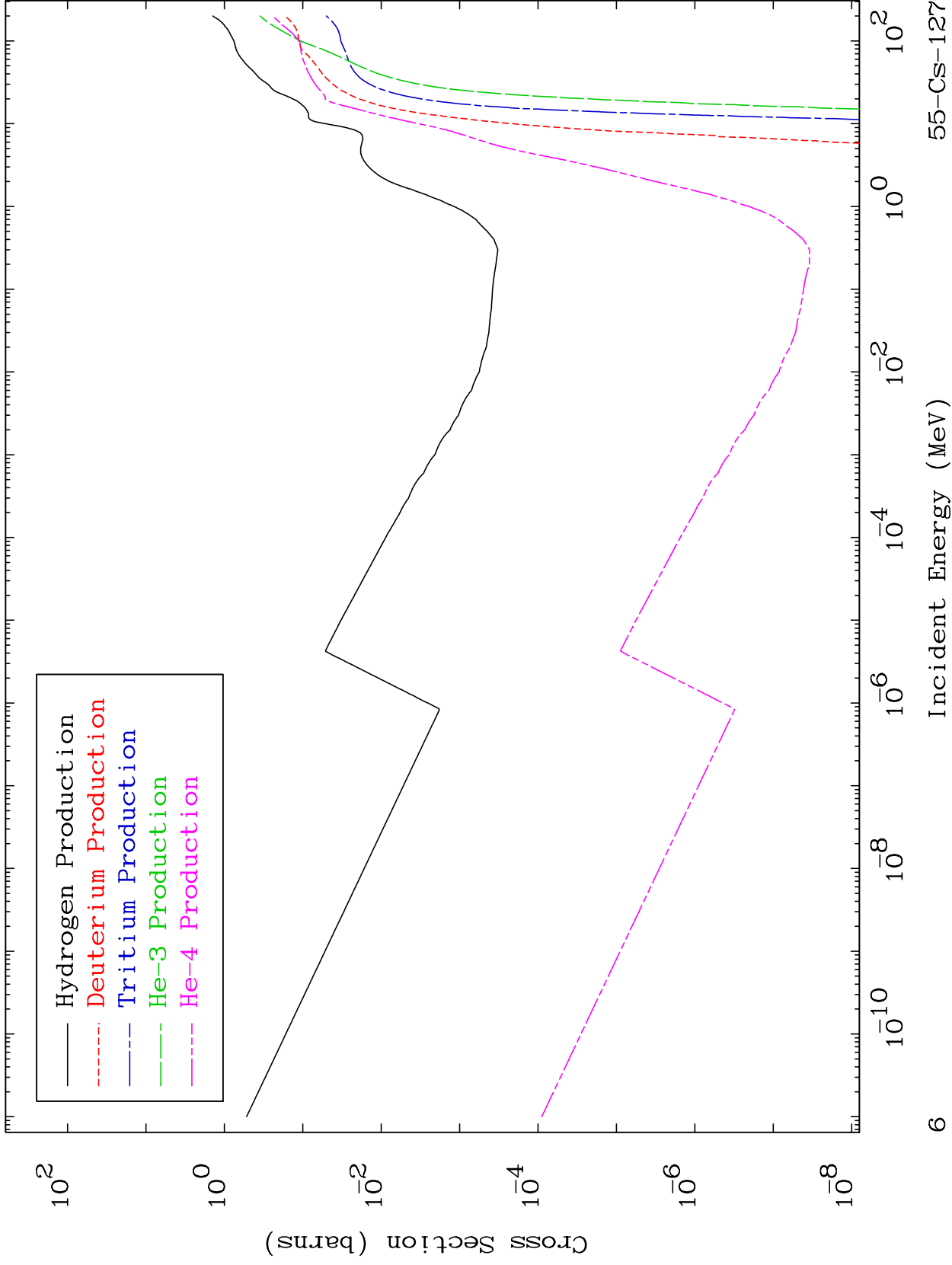
55-Cs-127



MAT 5507

Particle Production  
293 Kelvin Cross Sections

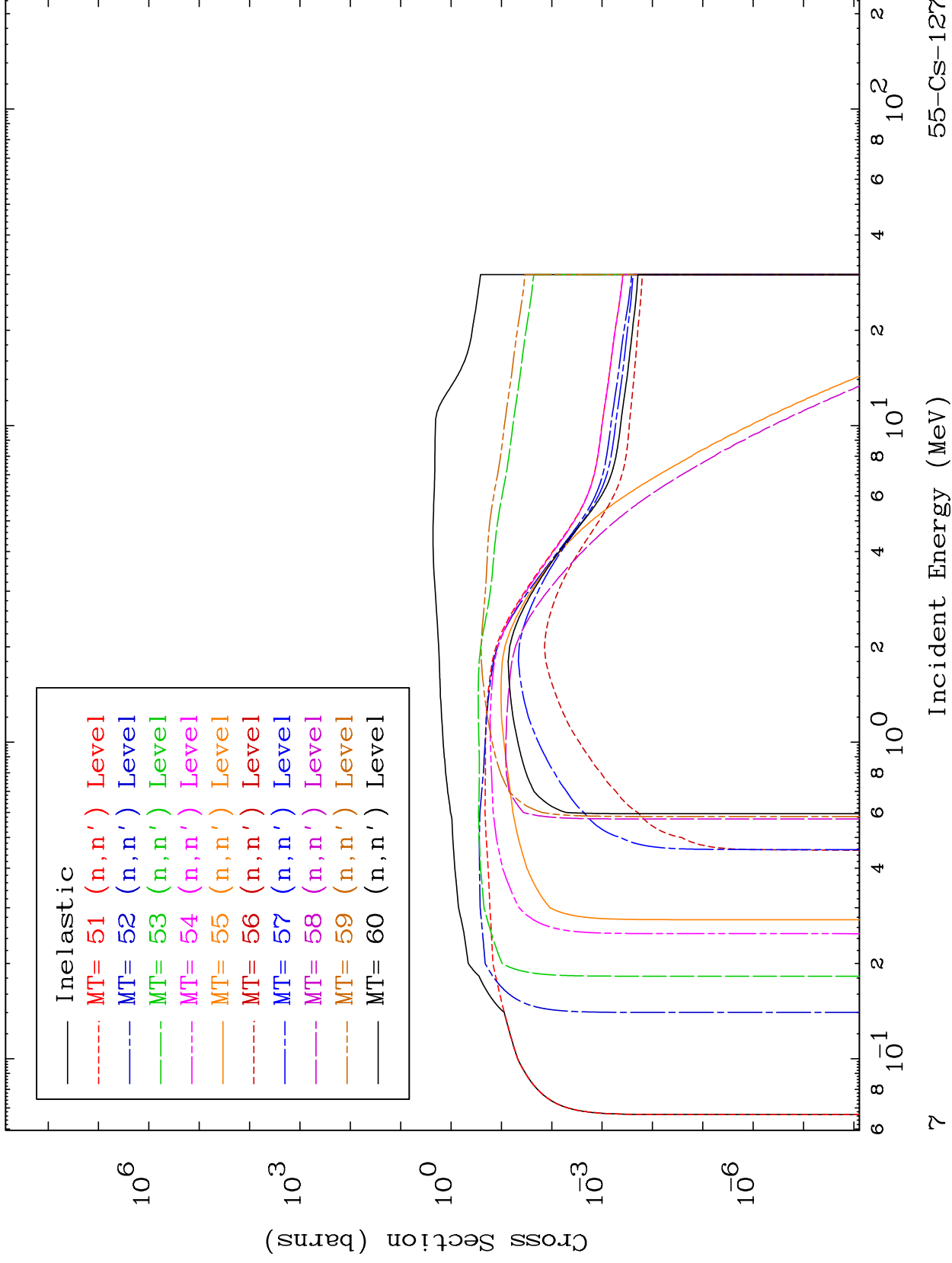
55-Cs-127



MAT 5507

(n,n') Level  
293 Kelvin Cross Sections

55-Cs-127



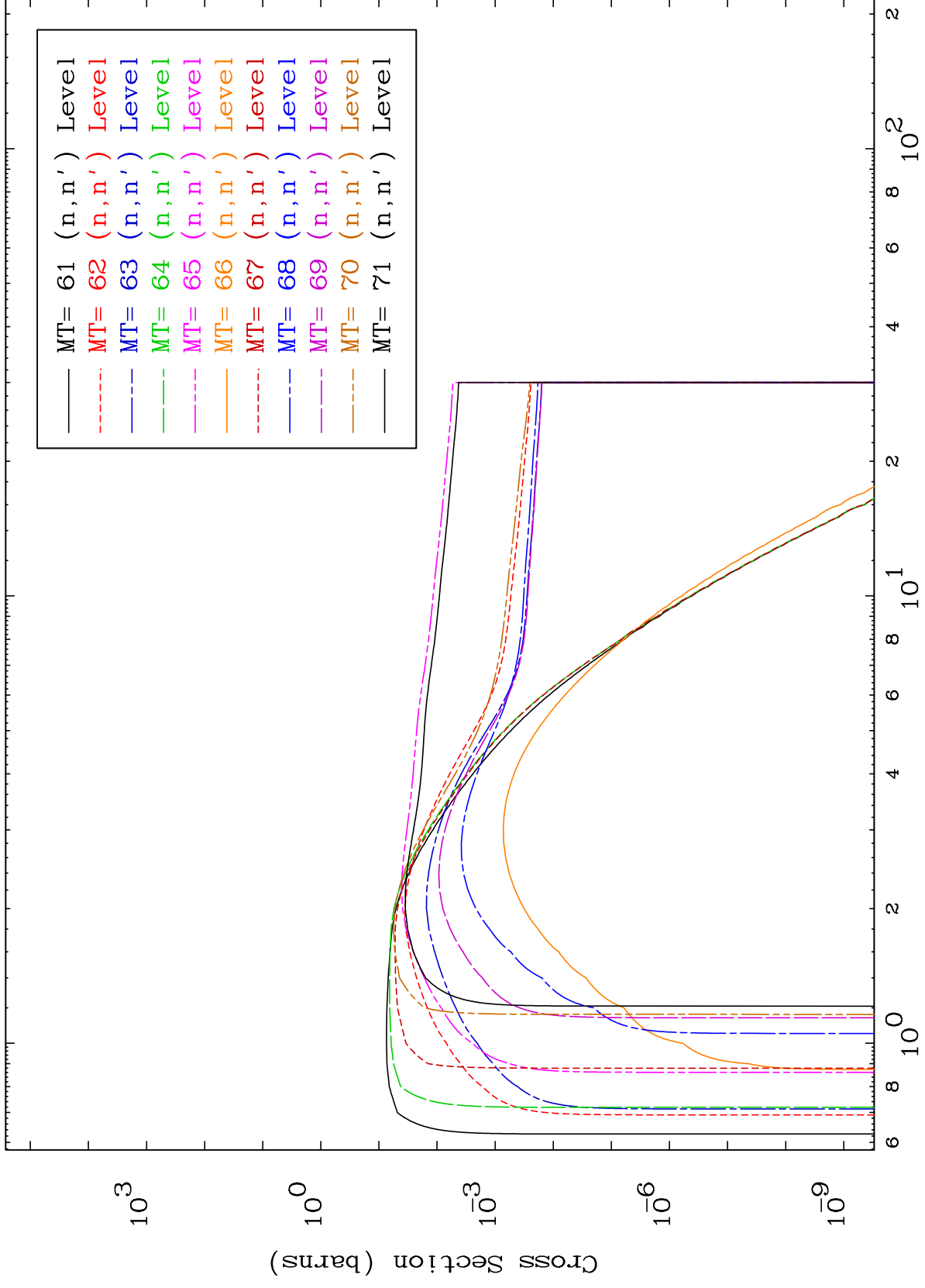


MAT 5507

(n,n') Level

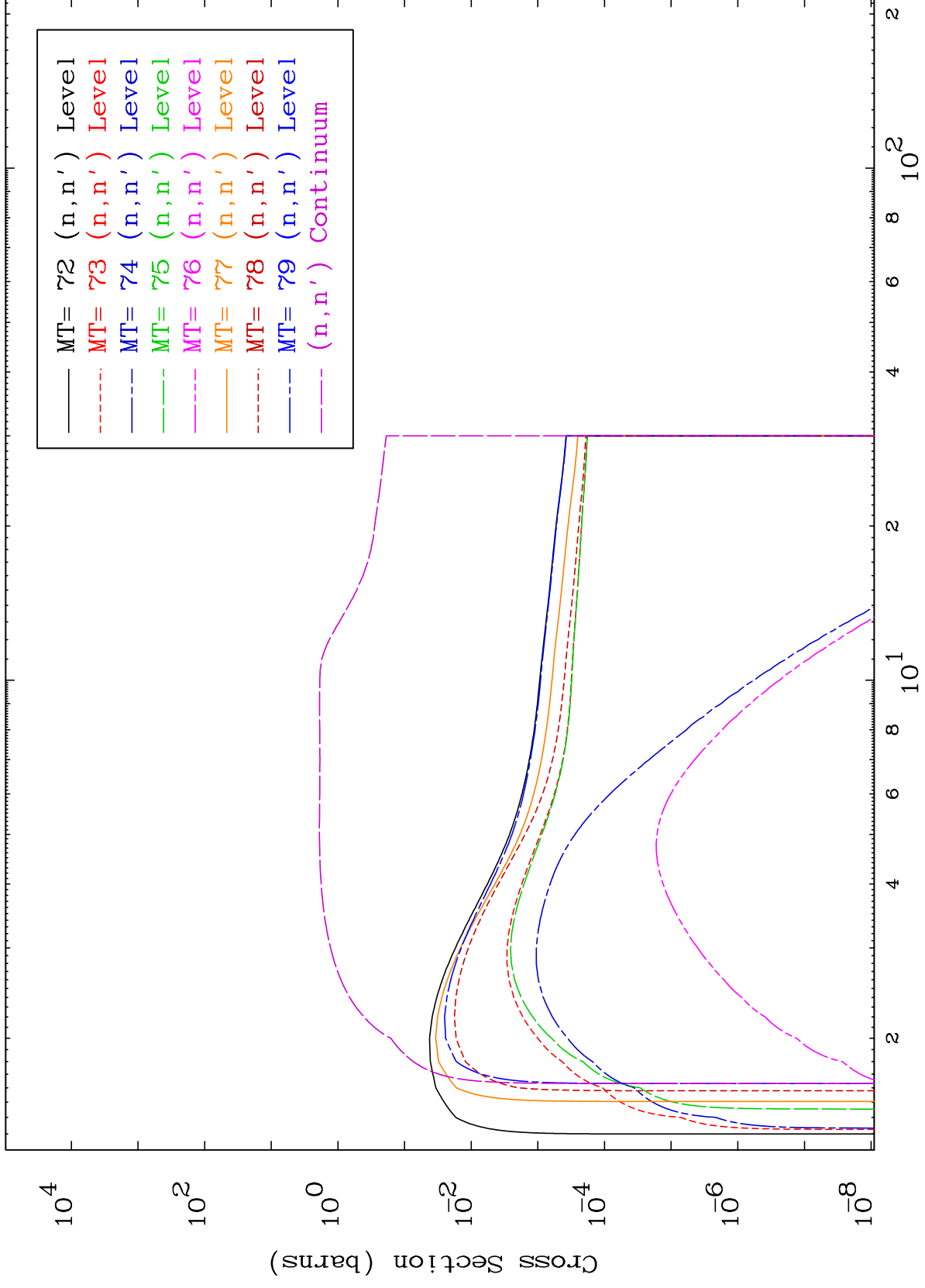
293 Kelvin Cross Sections

55-Cs-127



Incident Energy (MeV)

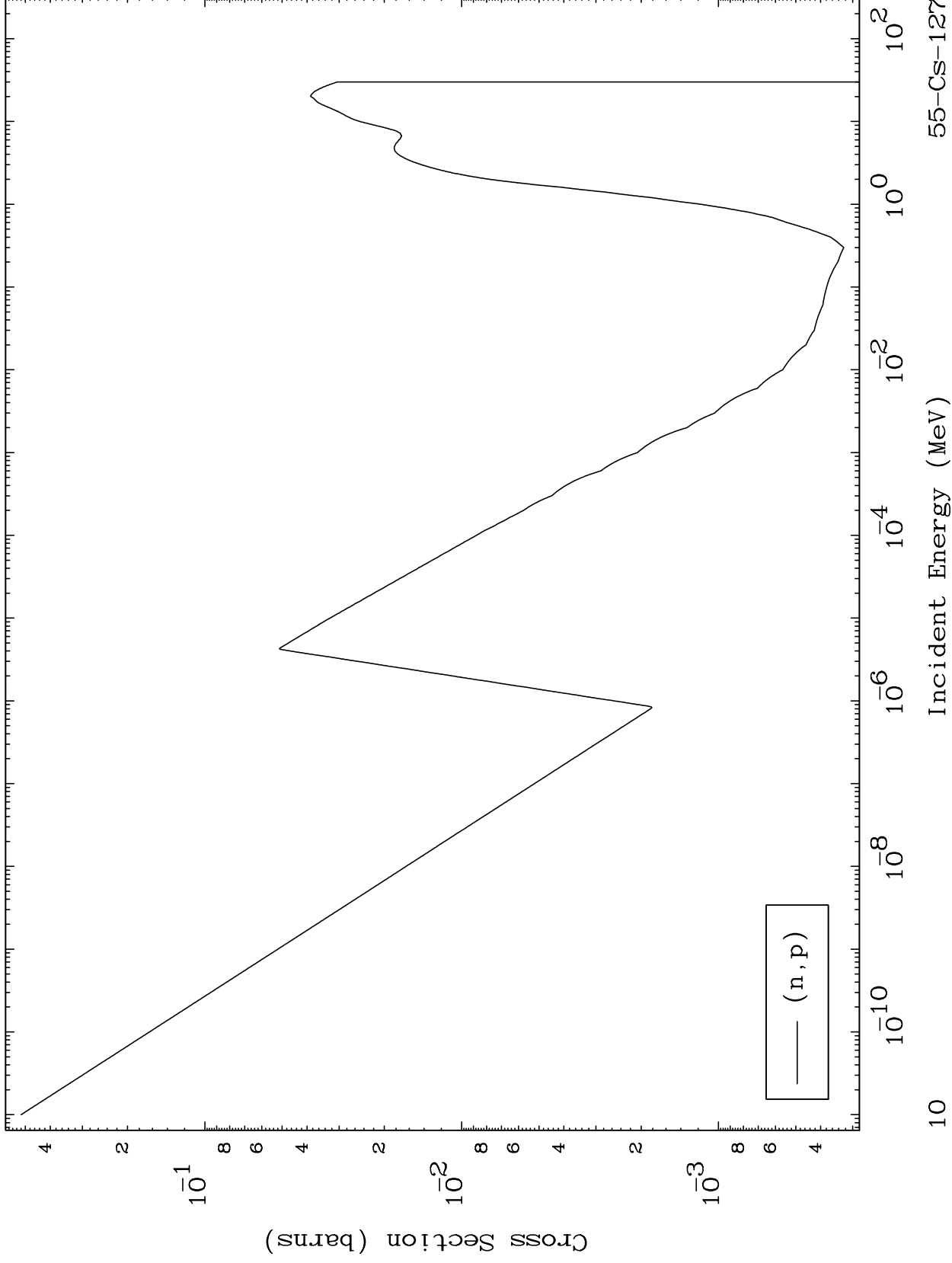
55-Cs-127



MAT 5507

(n,p) Levels  
293 Kelvin Cross Sections

55-Cs-127



10

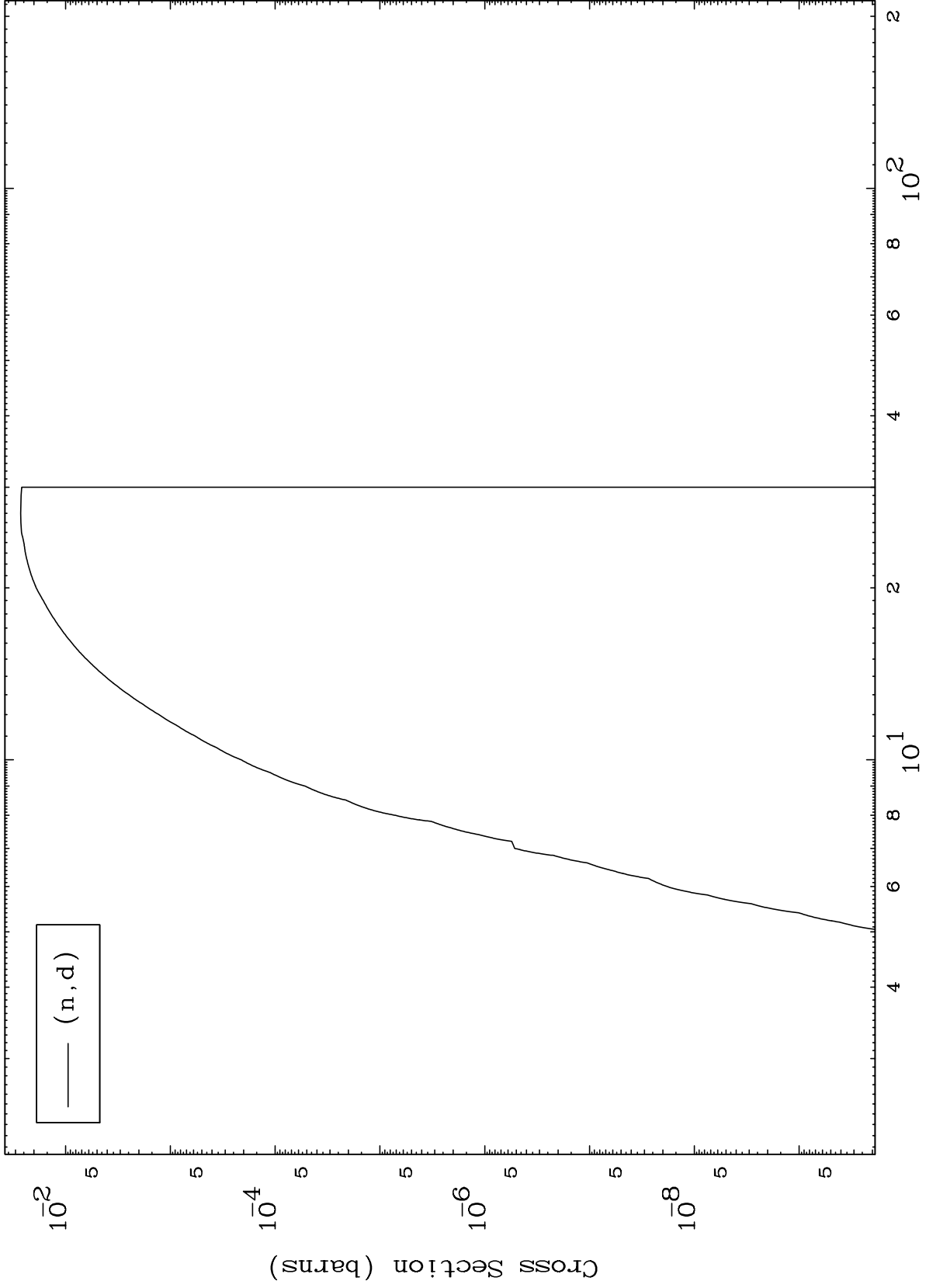
Incident Energy (MeV)

55-Cs-127

MAT 5507

(n,d) Levels  
293 Kelvin Cross Sections

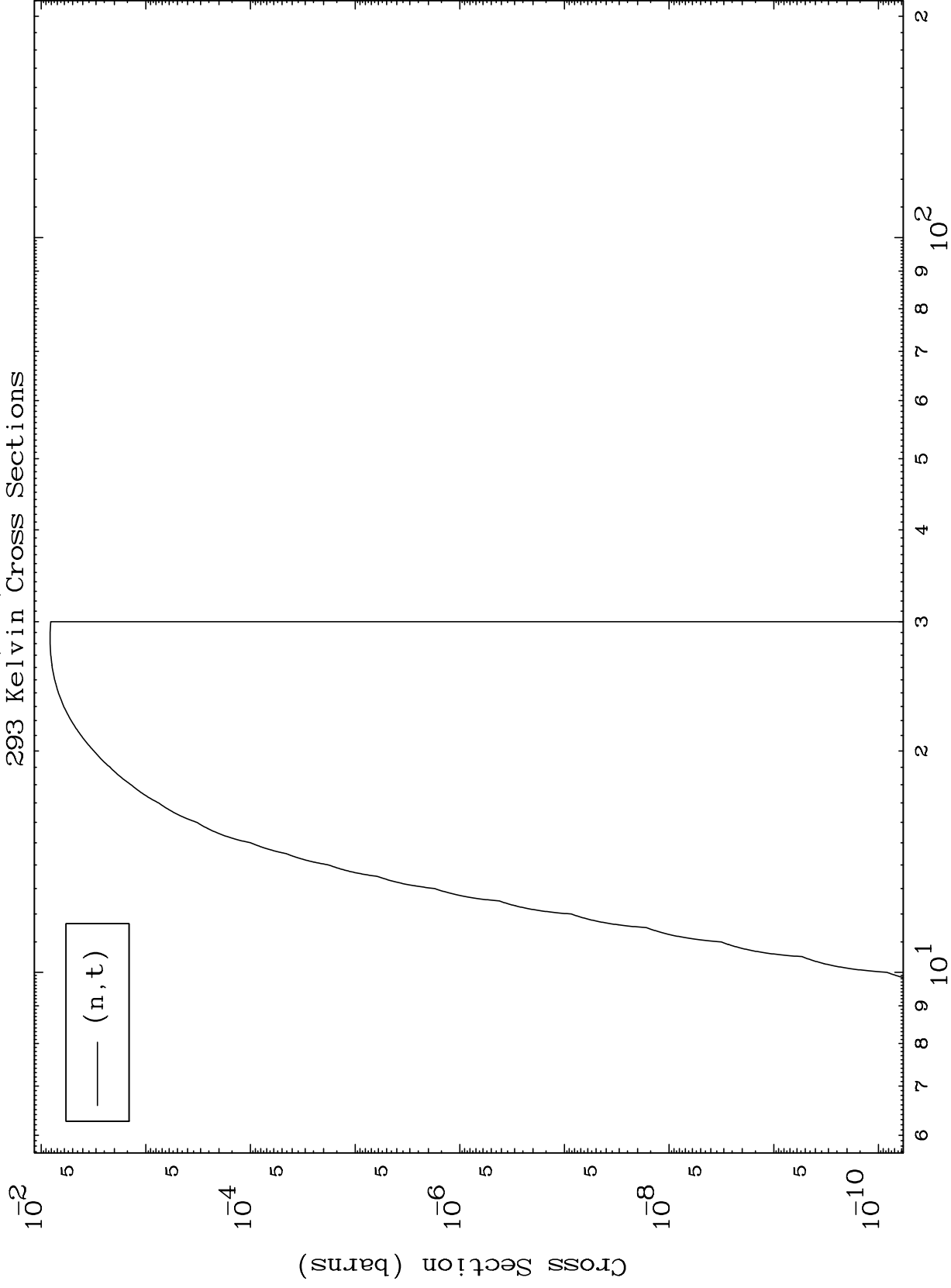
55-Cs-127



MAT 5507

(n, t) Levels  
293 Kelvin Cross Sections

55-Cs-127



12

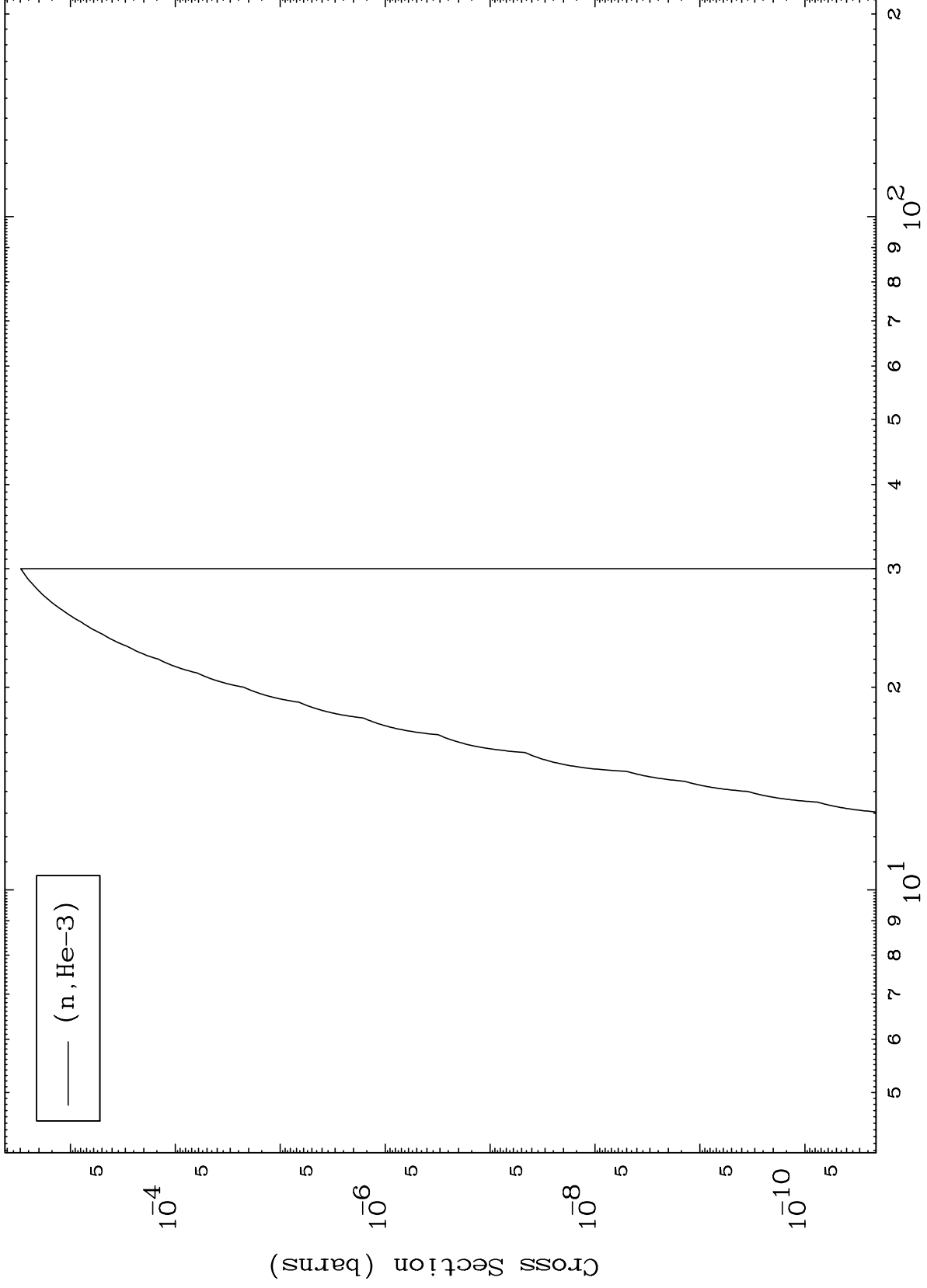
Incident Energy (MeV)

55-Cs-127

MAT 5507

(n,He3) Levels  
293 Kelvin Cross Sections

55-Cs-127



13

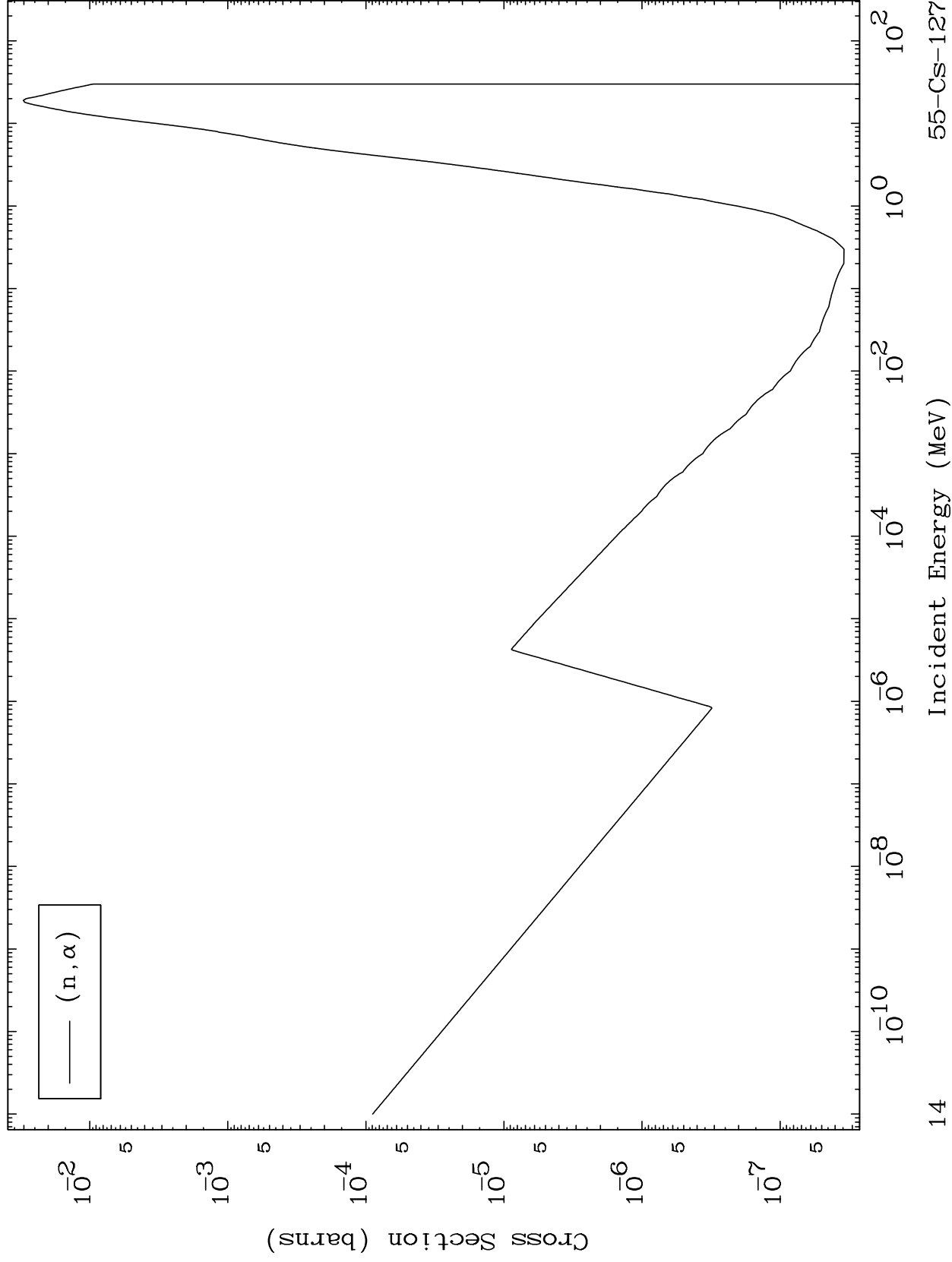
Incident Energy (MeV)

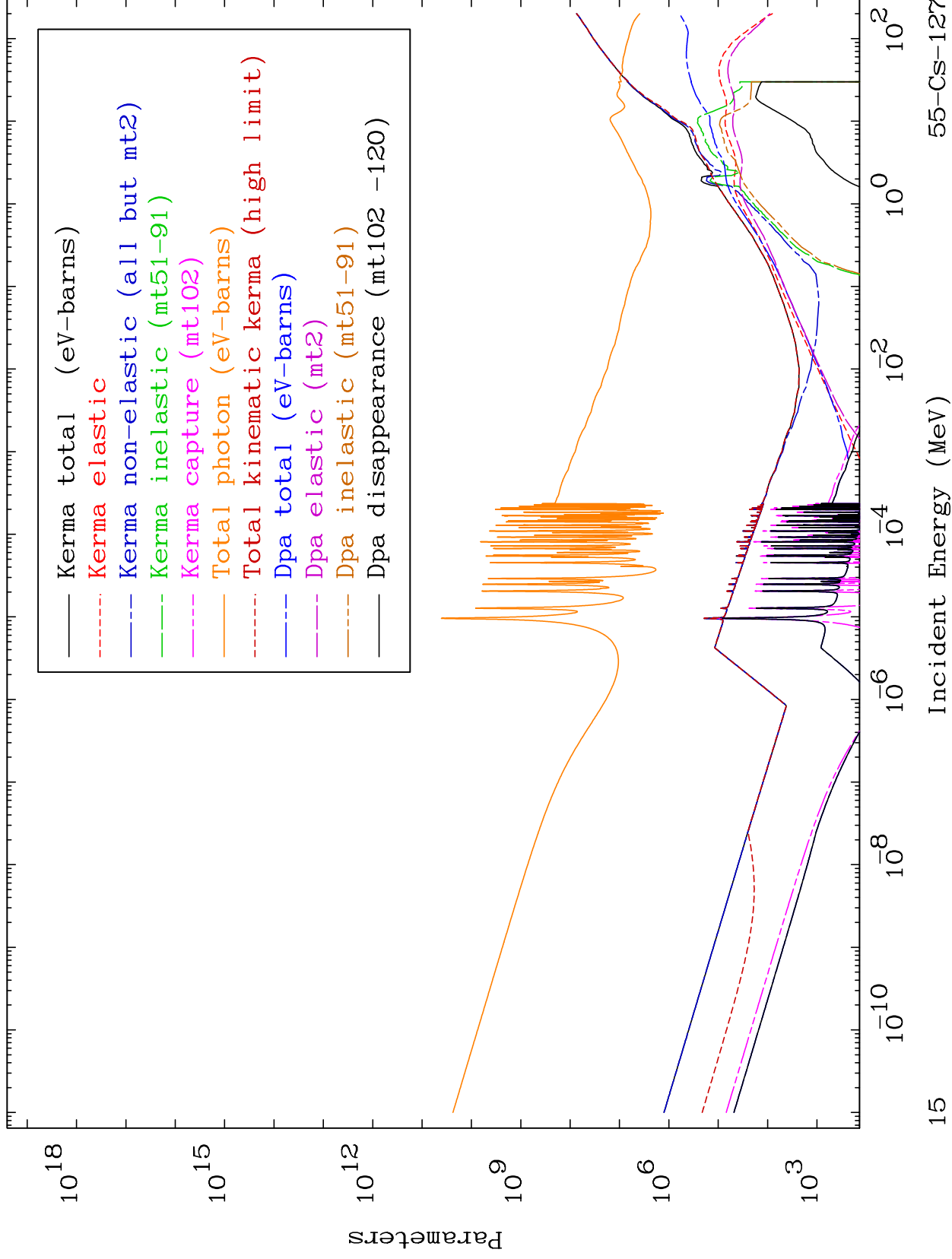
55-Cs-127

MAT 5507

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

55-Cs-127



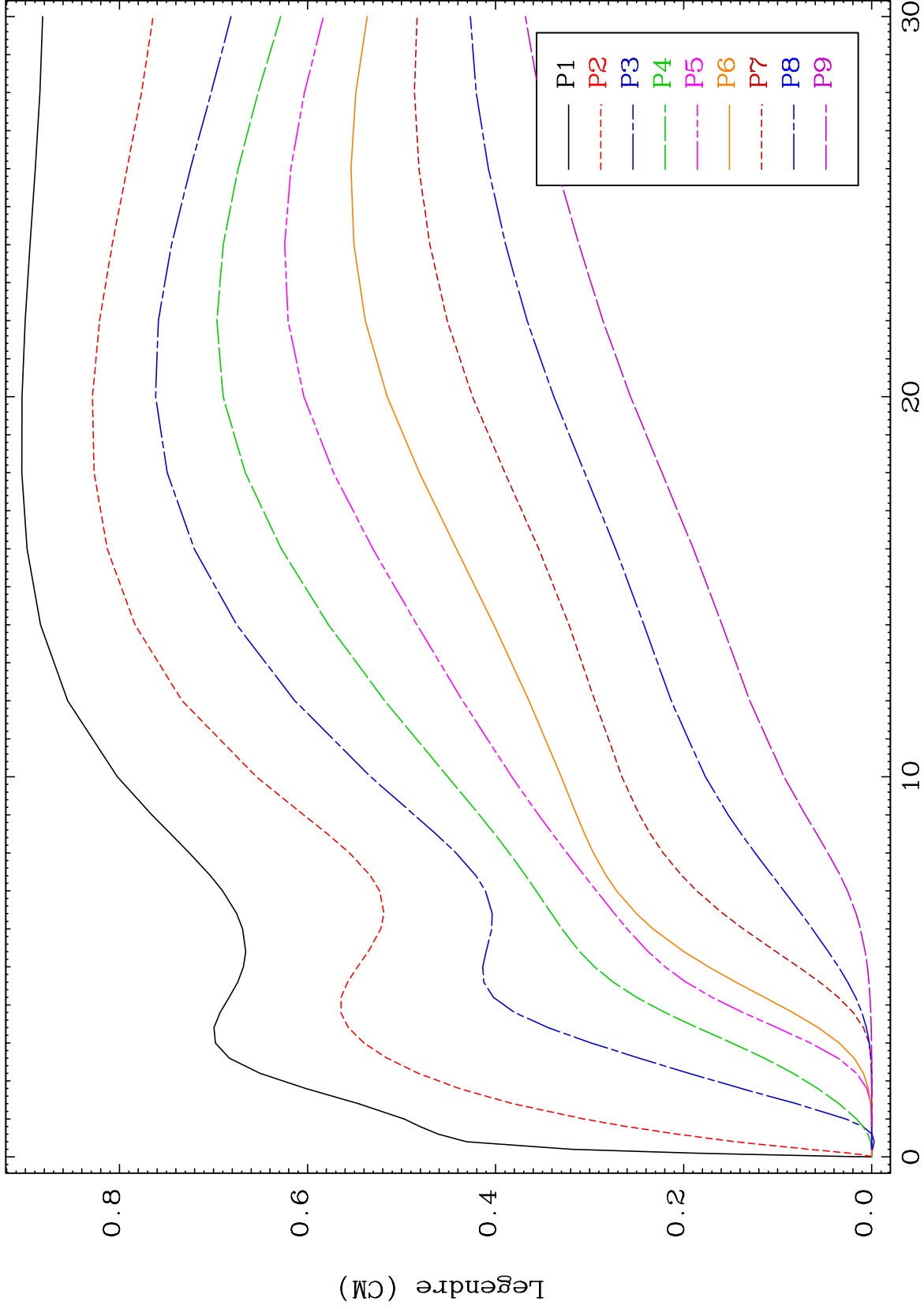




MAT 5507

Elastic Legendre Coefficients

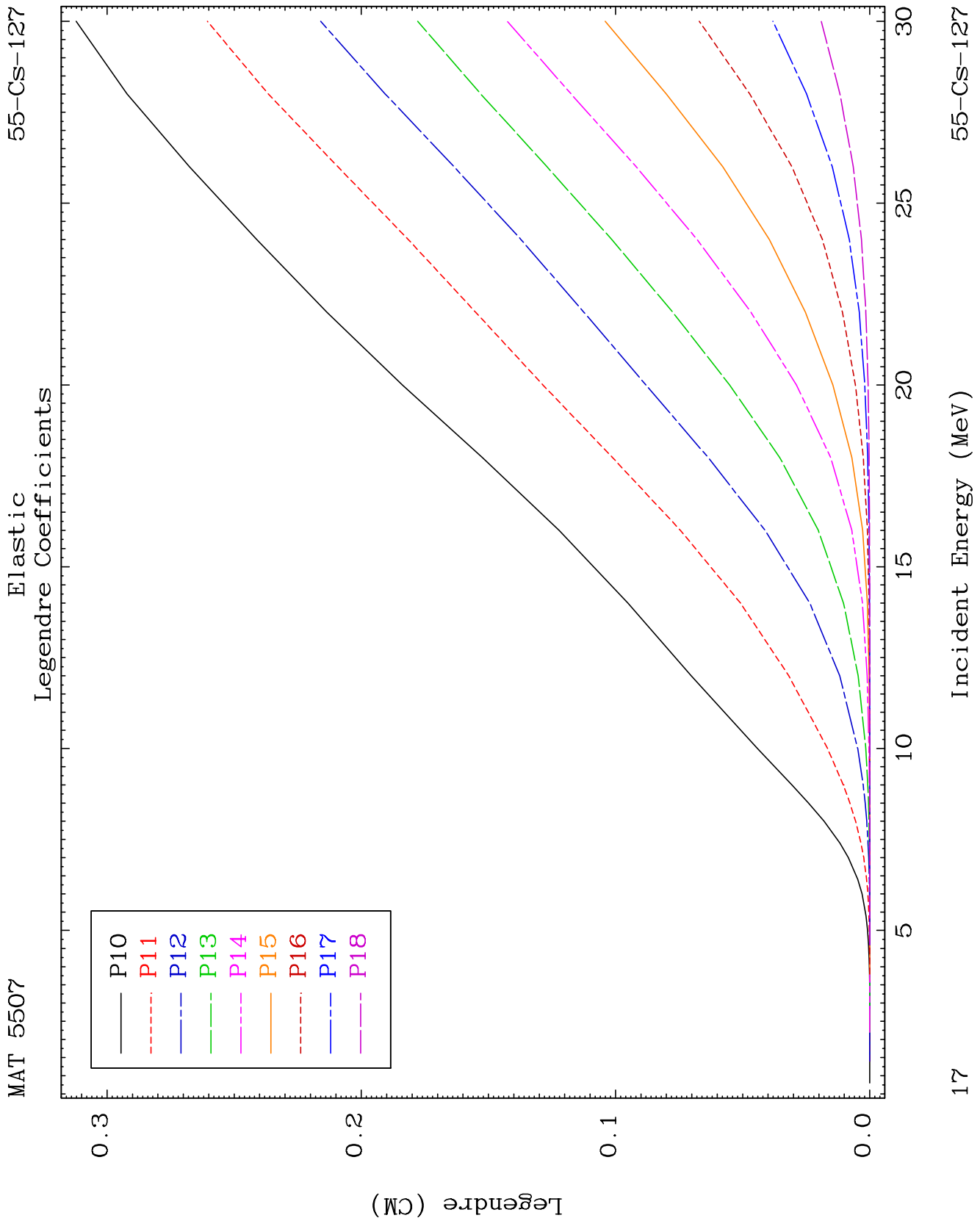
55-Cs-127



55-Cs-127

Incident Energy (MeV)

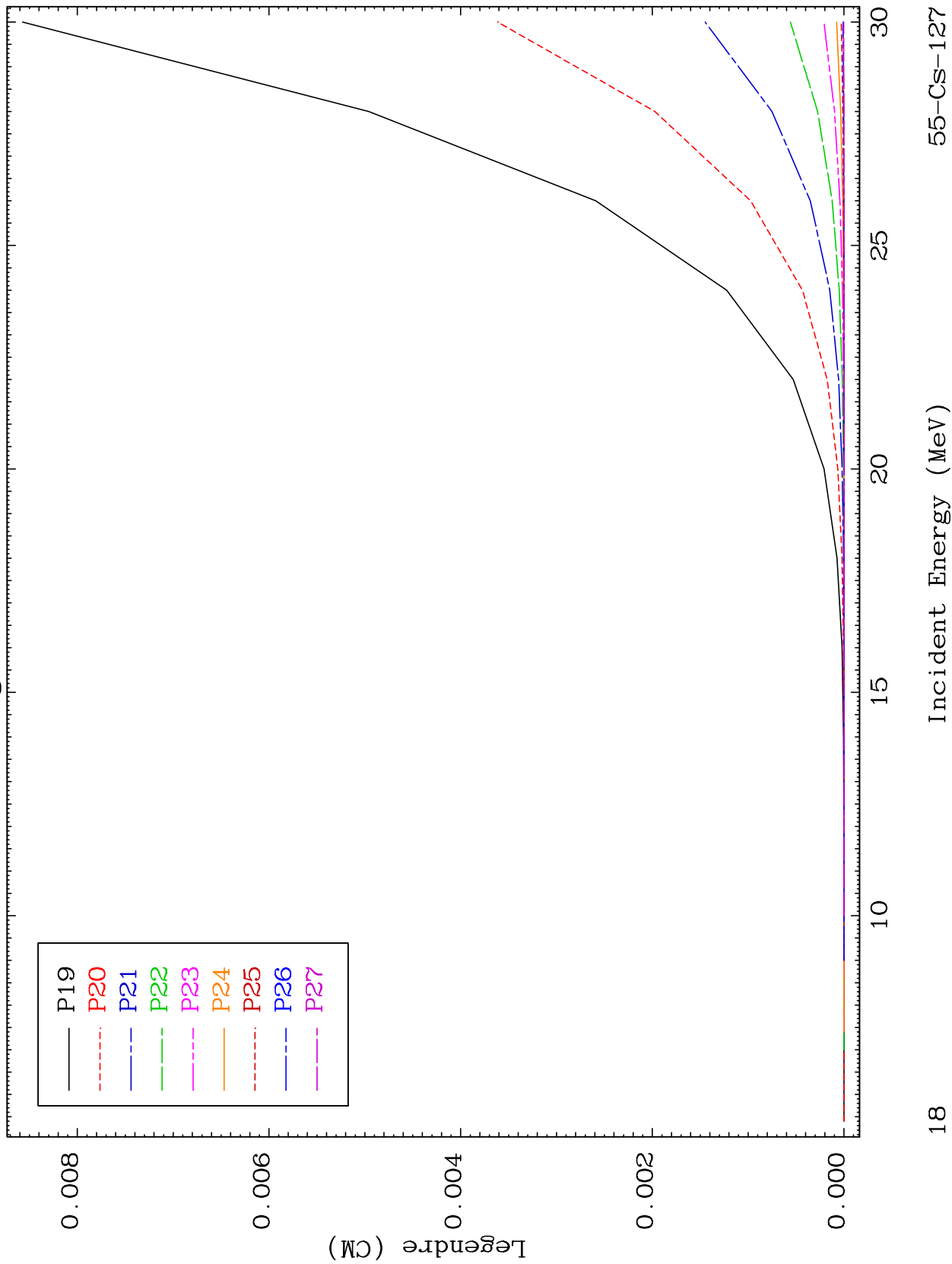
16



MAT 5507

### Elastic Legendre Coefficients

55-Cs-127



18

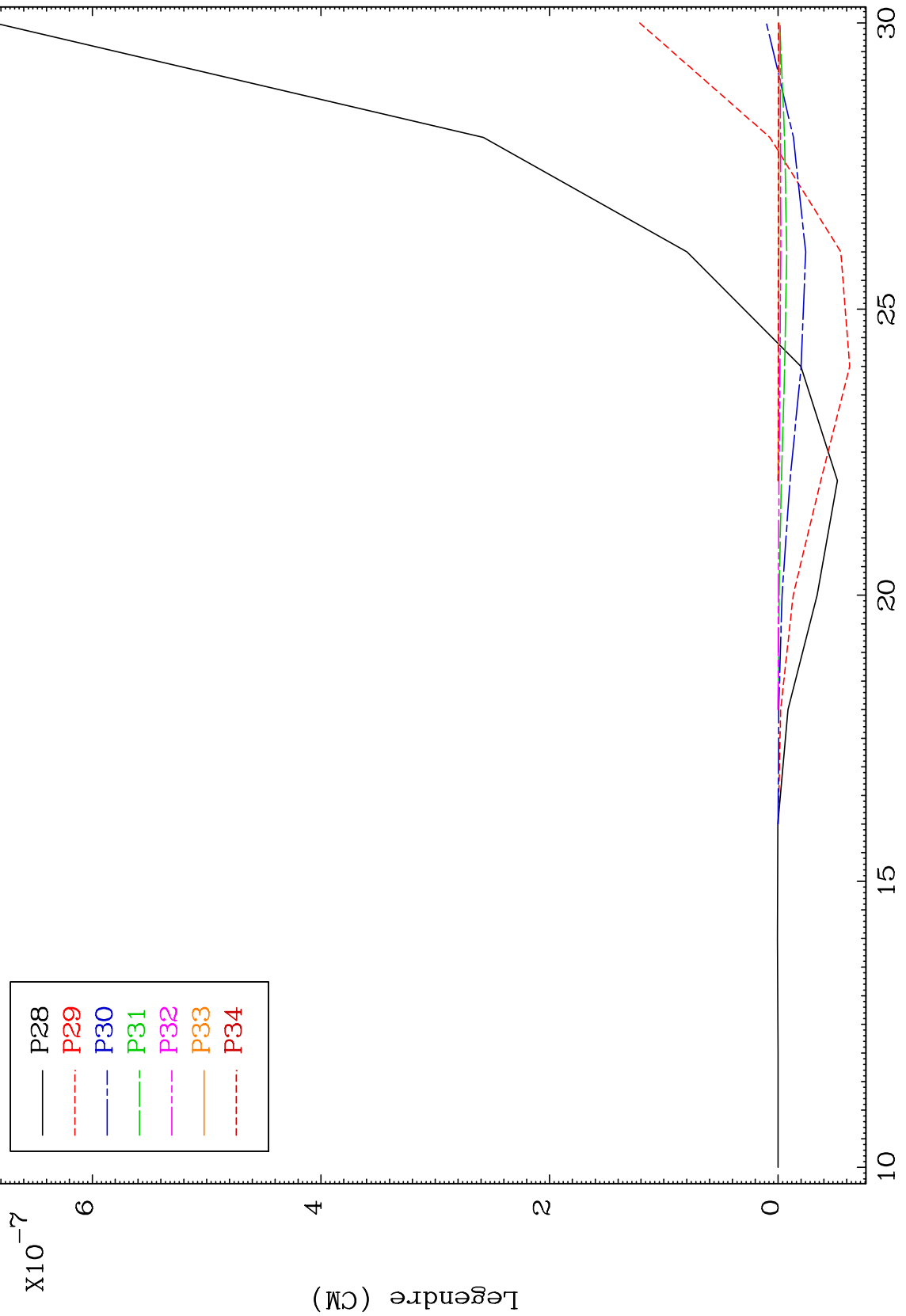
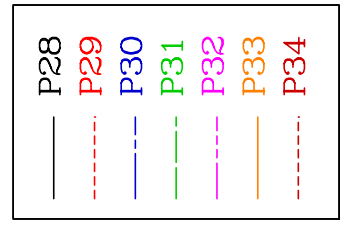
Incident Energy (MeV)

55-Cs-127

MAT 5507

Elastic Legendre Coefficients

55-Cs-127



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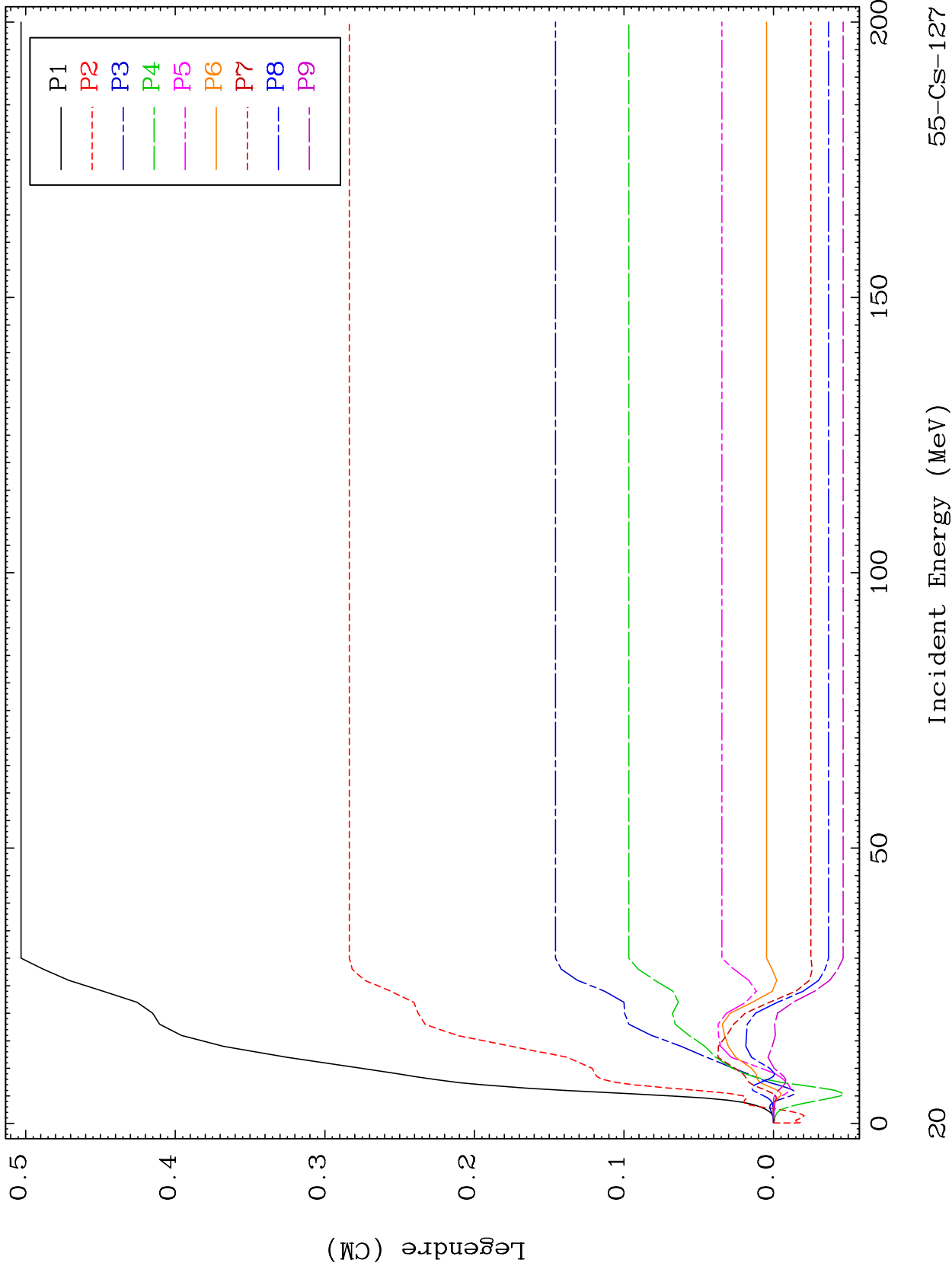
Incident Energy (MeV)

55-Cs-127

MAT 5507

MT= 51 (n,n') Level  
Legendre Coefficients

55-Cs-127



55-Cs-127

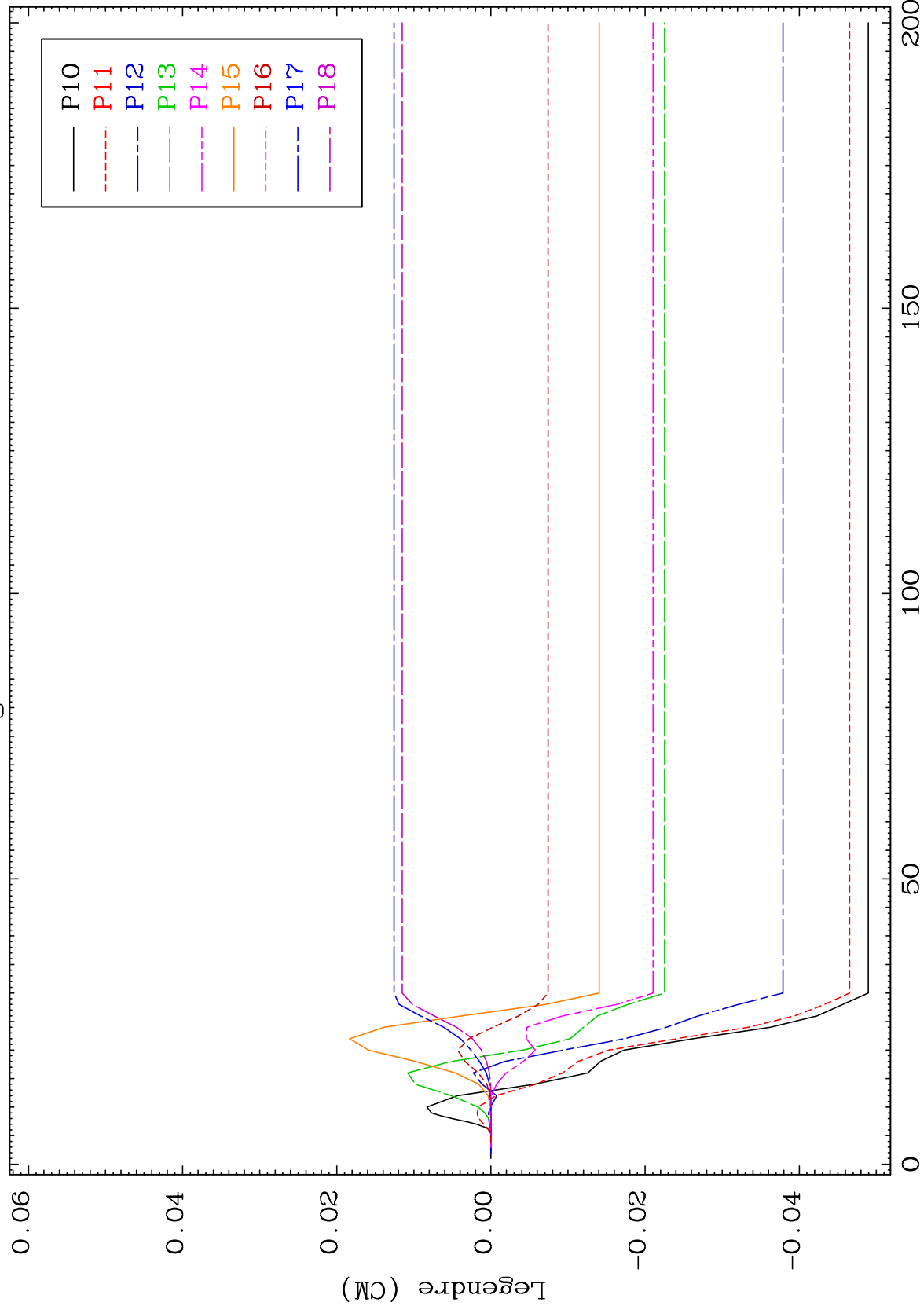
Incident Energy (MeV)

20

MAT 5507

MT= 51 (n,n') Level  
Legendre Coefficients

55-Cs-127



21

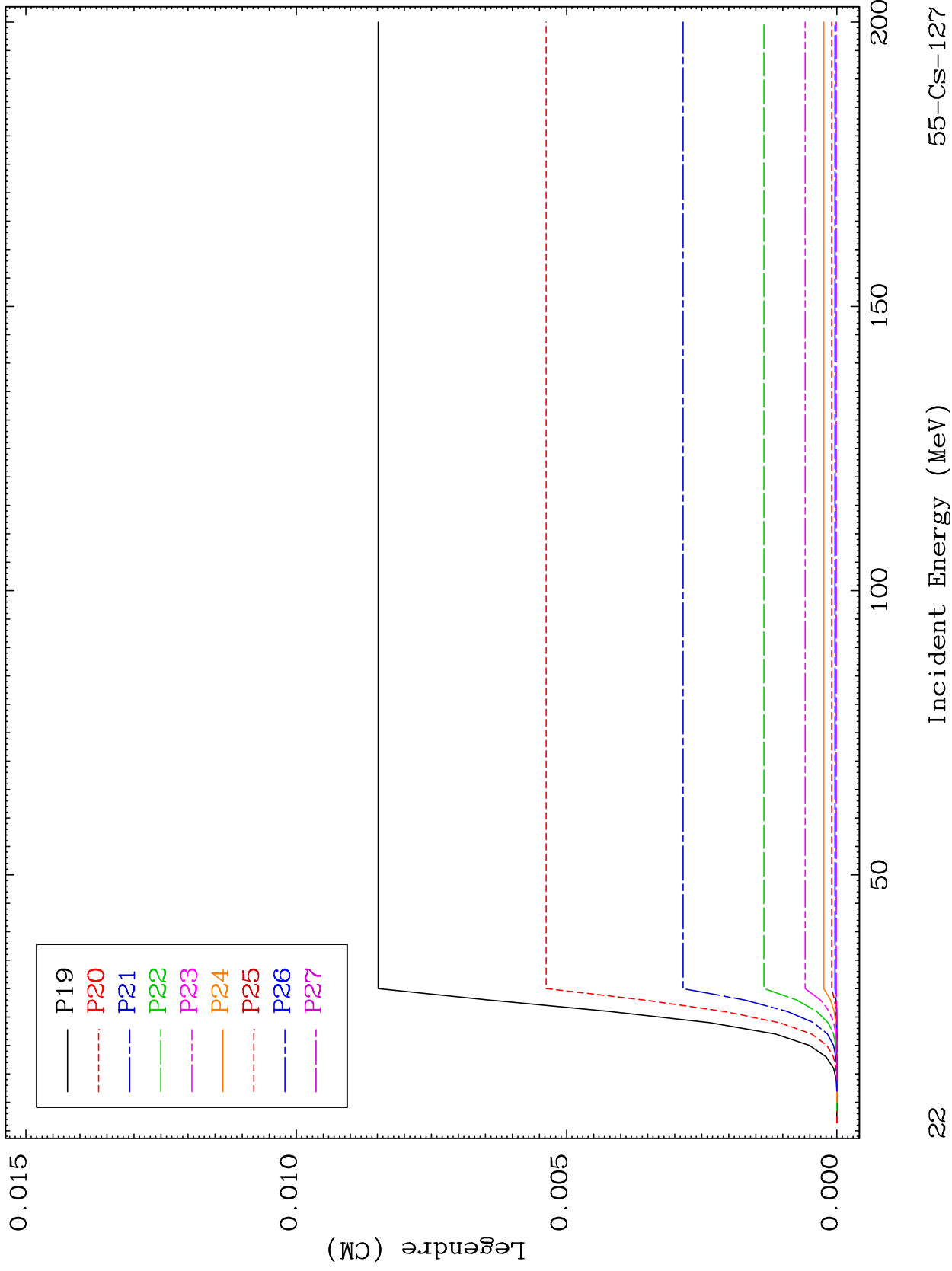
Incident Energy (MeV)

55-Cs-127

MAT 5507

MT= 51 (n,n') Level  
Legendre Coefficients

55-Cs-127



22

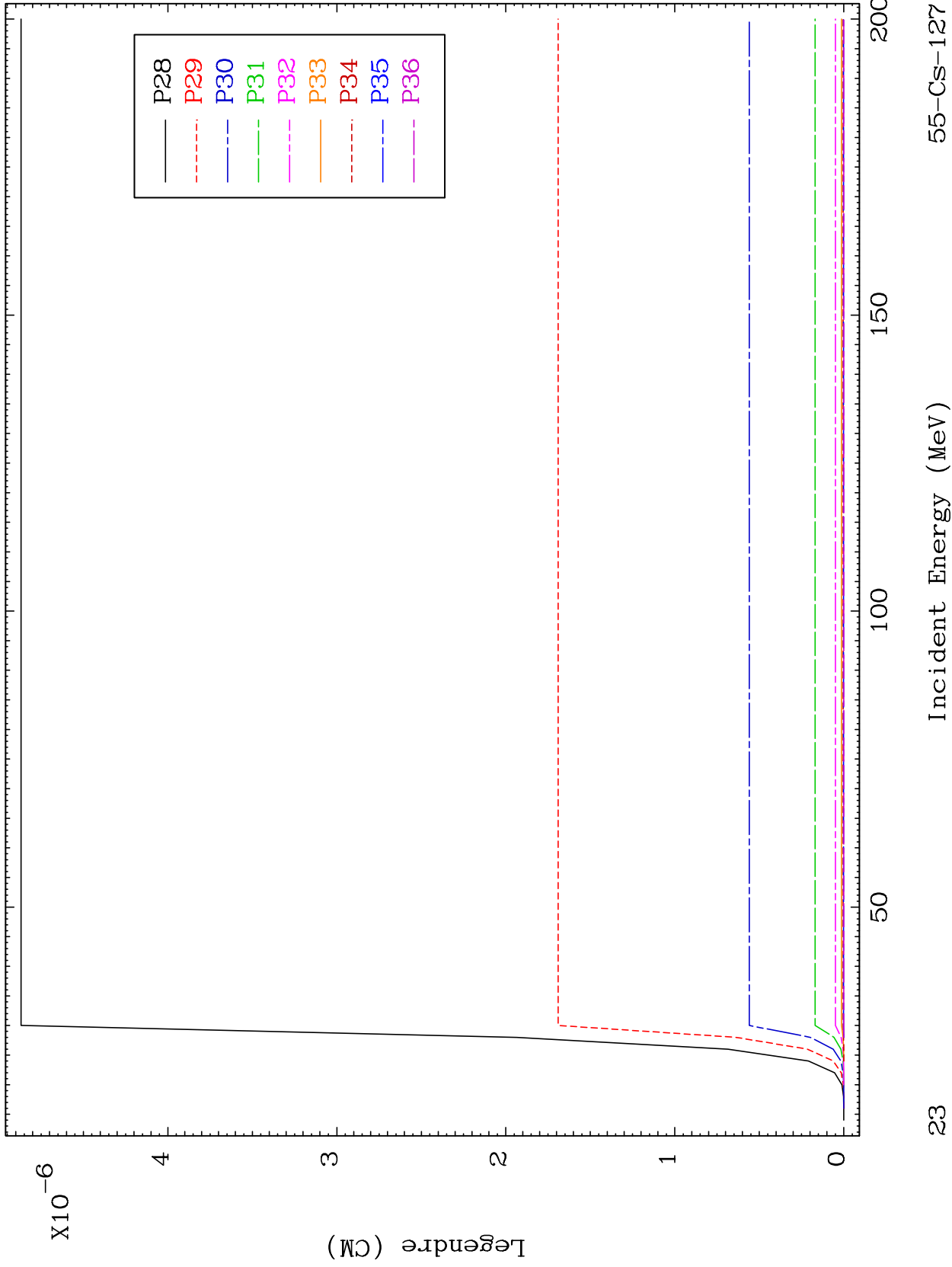
Incident Energy (MeV)

55-Cs-127

MAT 5507

MT= 51 (n,n') Level  
Legendre Coefficients

55-Cs-127



23

Incident Energy (MeV)

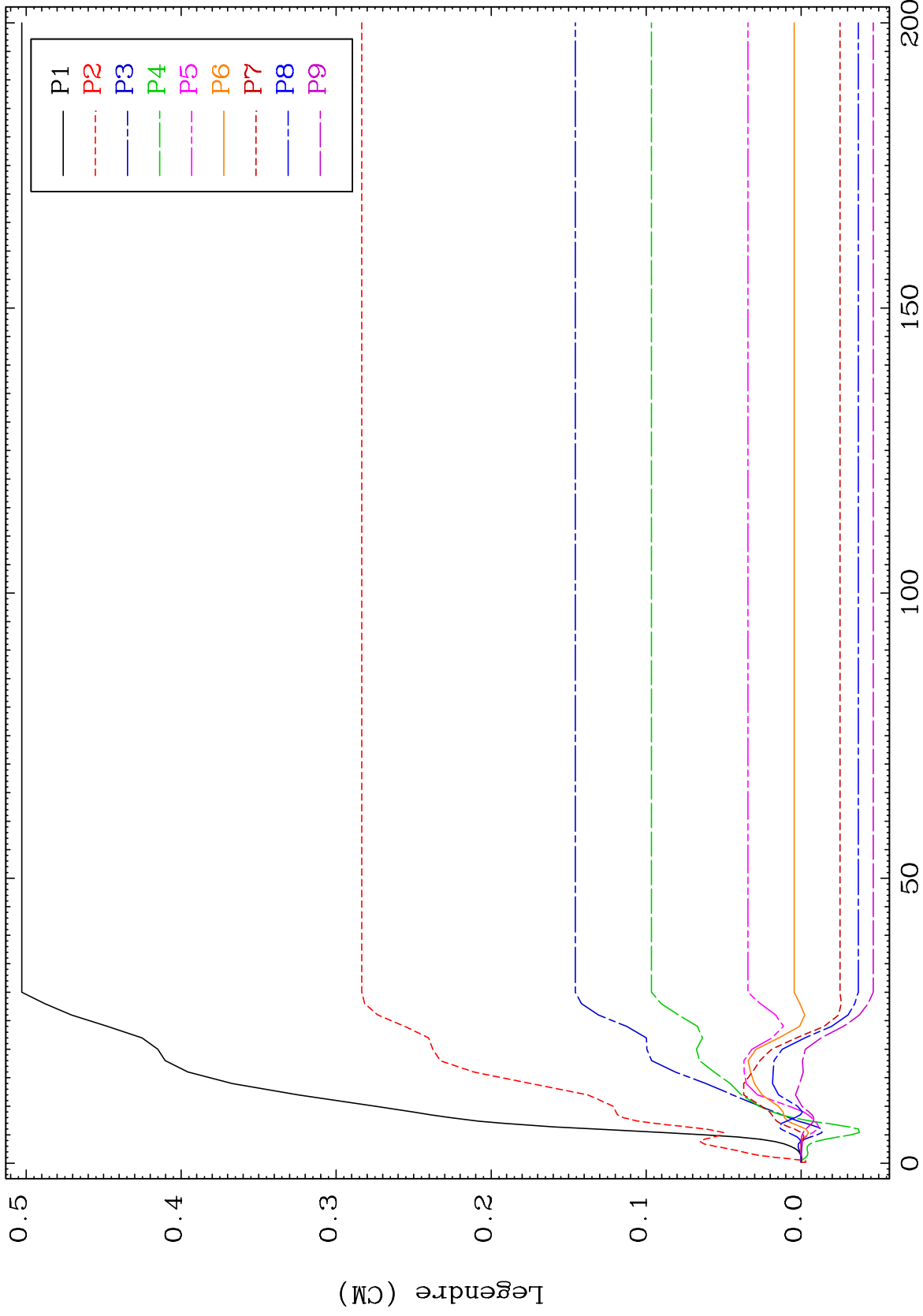
55-Cs-127



MAT 5507

MT= 52 (n,n') Level  
Legendre Coefficients

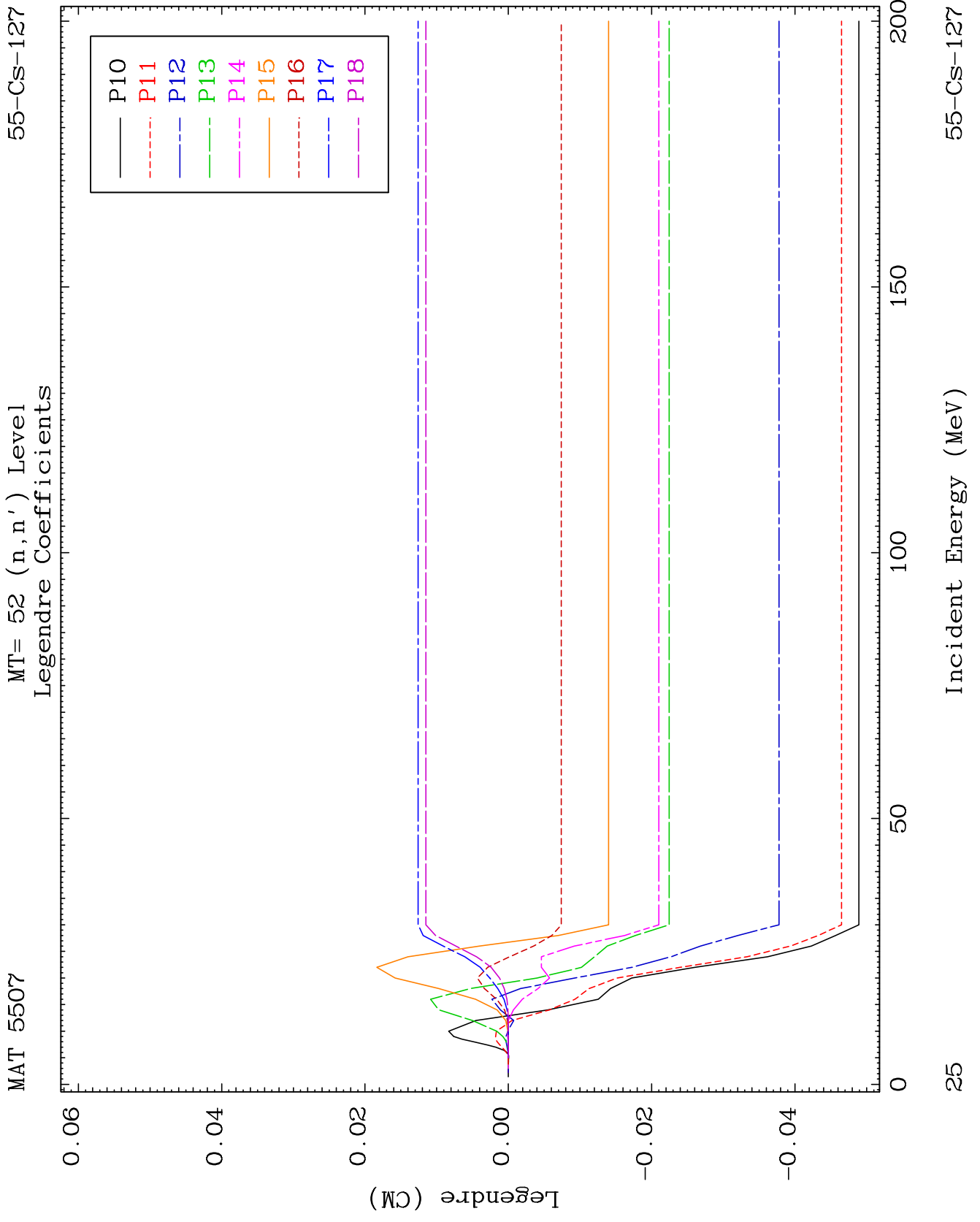
55-Cs-127



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Incident Energy (MeV)

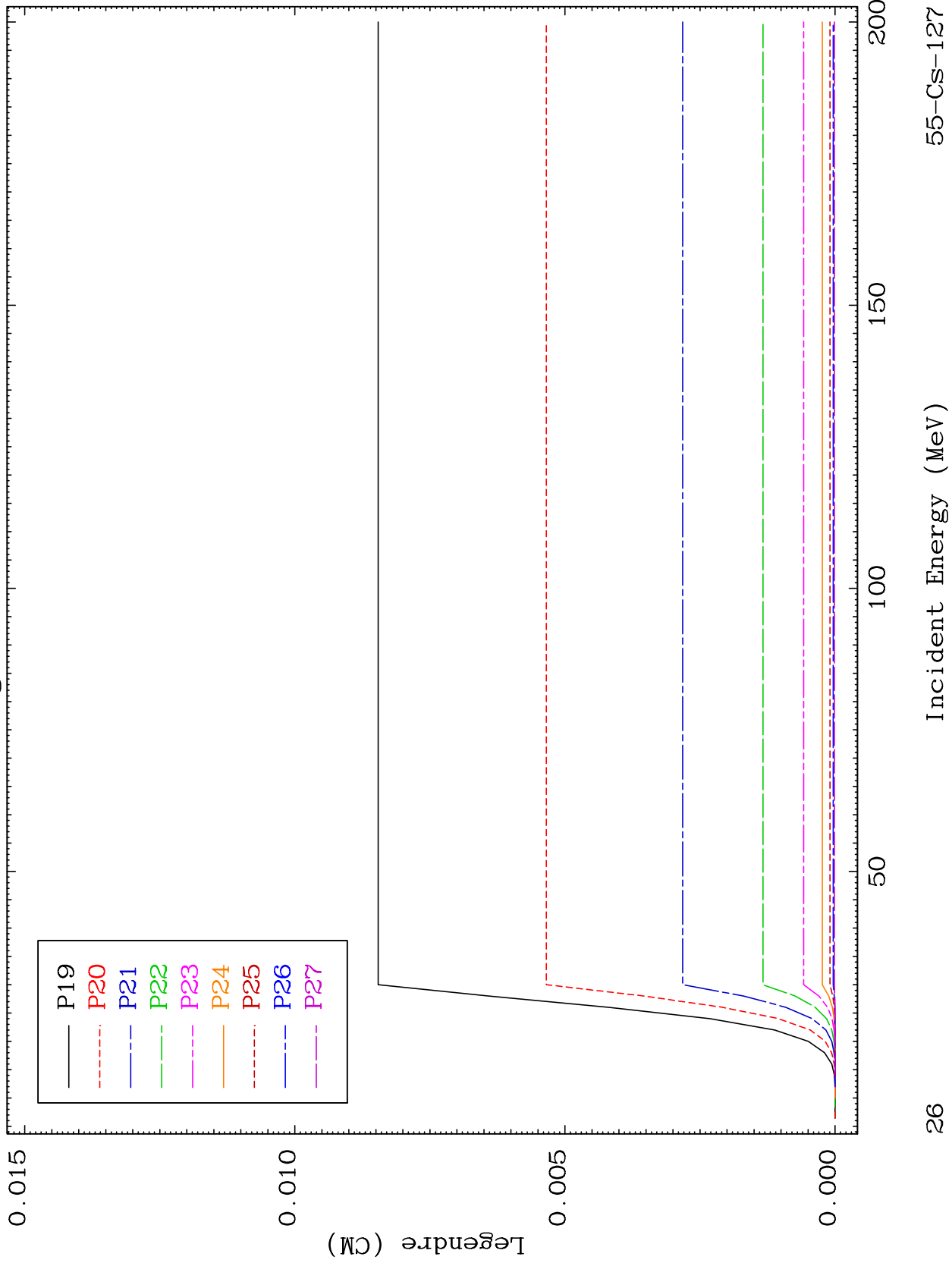
55-Cs-127



MAT 5507

MT= 52 (n,n') Level  
Legendre Coefficients

55-Cs-127



26

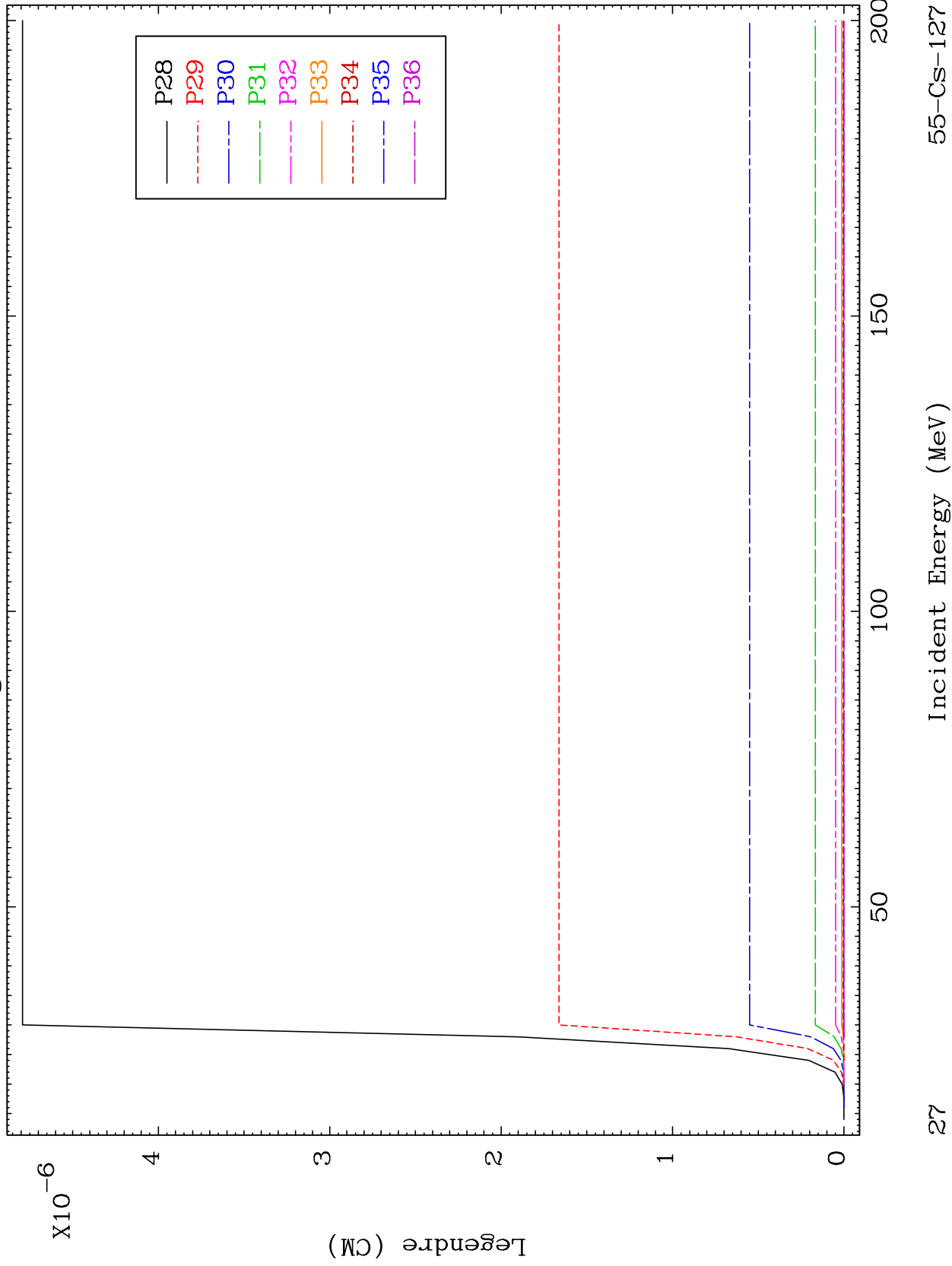
Incident Energy (MeV)

55-Cs-127

MAT 5507

MT= 52 (n,n') Level  
Legendre Coefficients

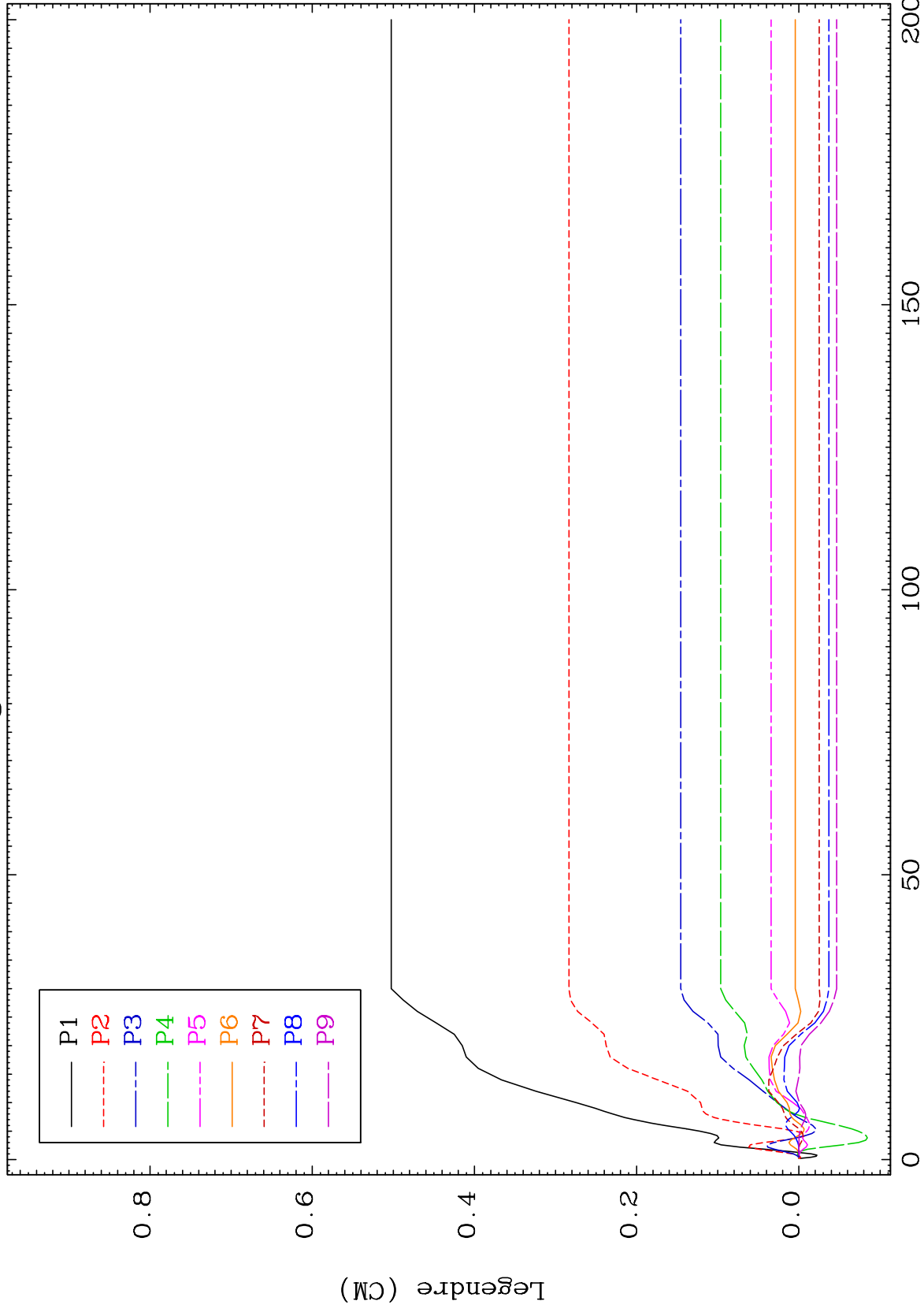
55-Cs-127



MAT 5507

MT= 53 (n,n') Level  
Legendre Coefficients

55-Cs-127



28

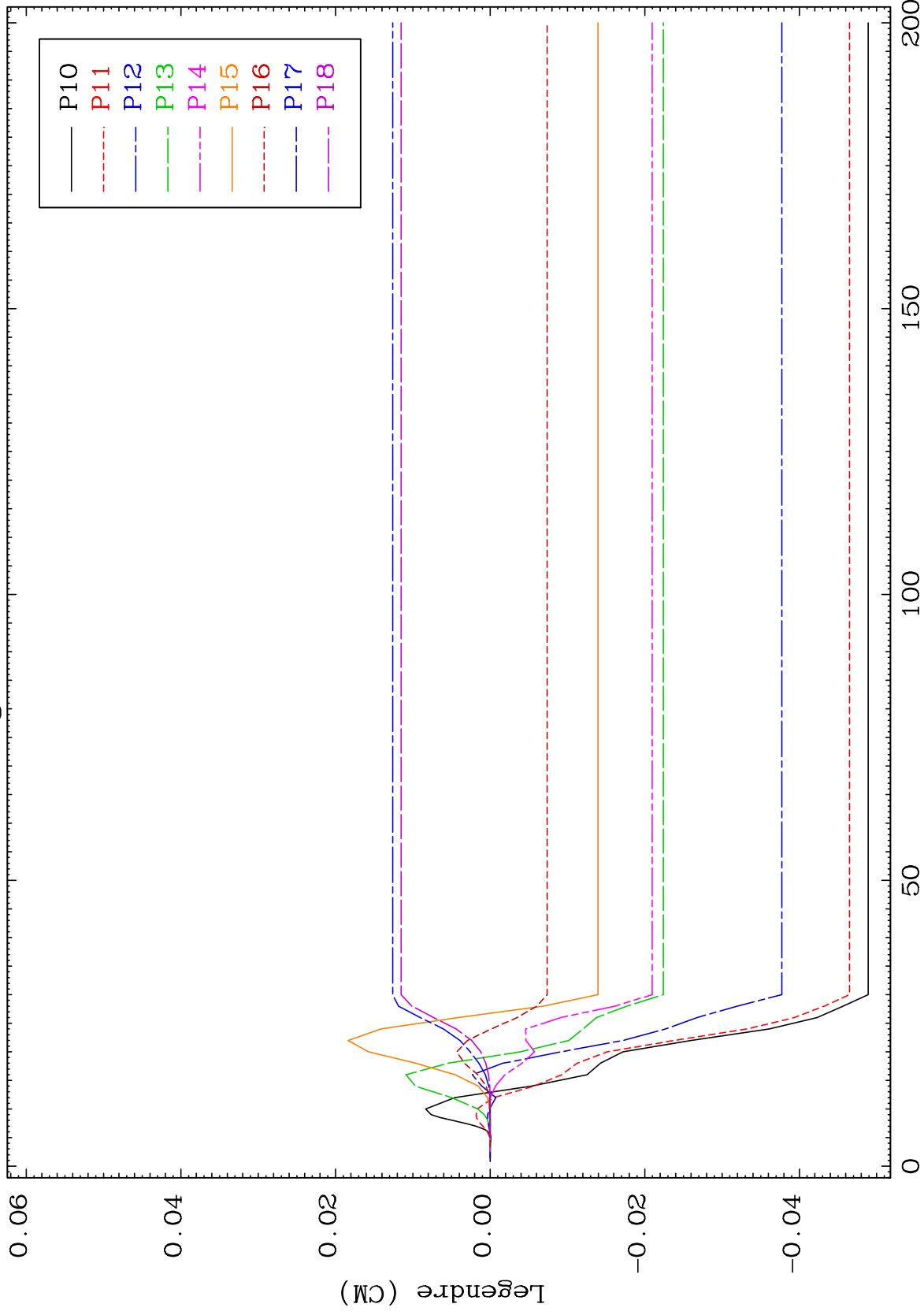
Incident Energy (MeV)

55-Cs-127

MAT 5507

MT= 53 (n,n') Level  
Legendre Coefficients

55-Cs-127



29

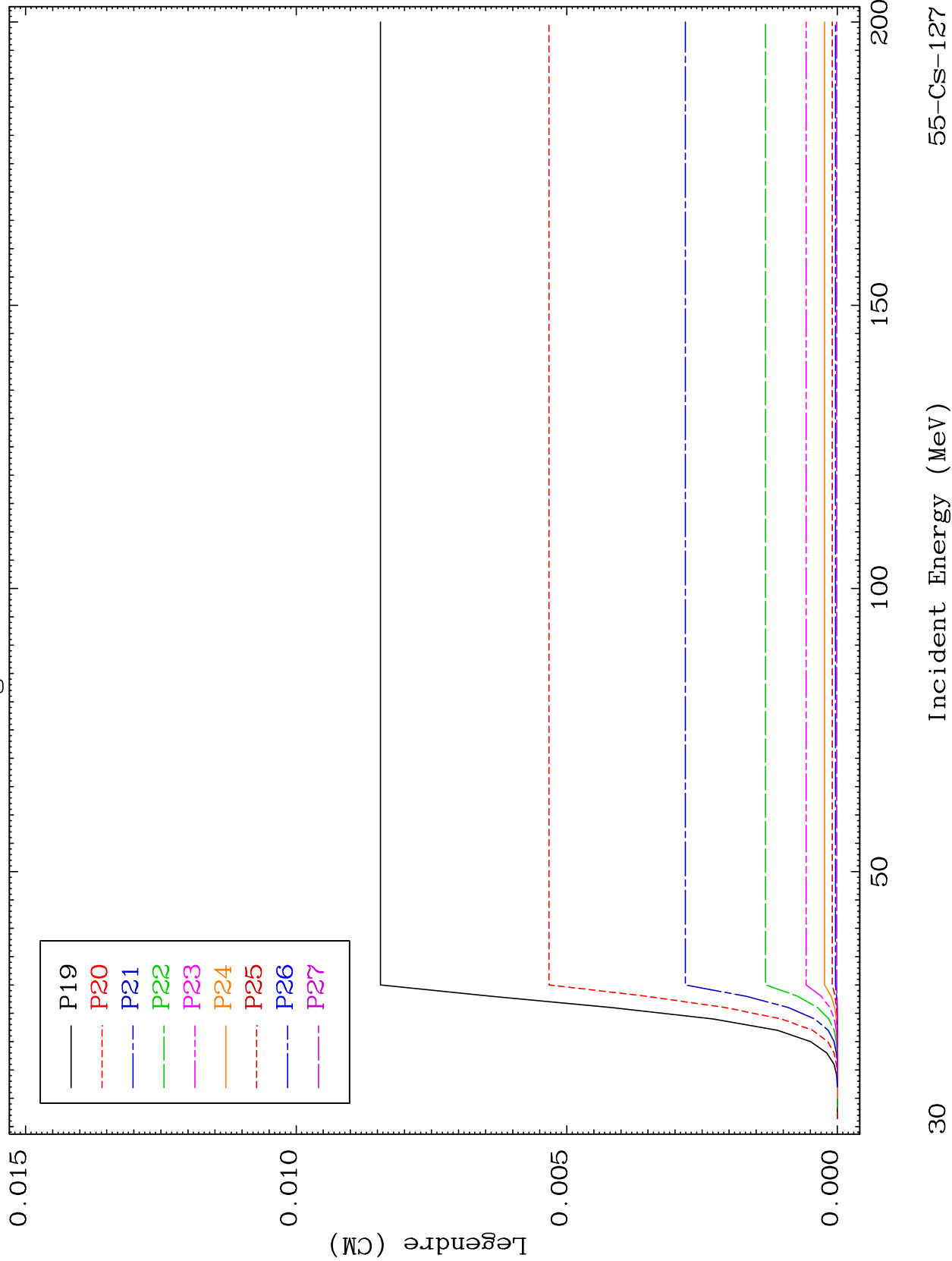
Incident Energy (MeV)

55-Cs-127

MAT 5507

MT= 53 (n,n') Level  
Legendre Coefficients

55-Cs-127



30

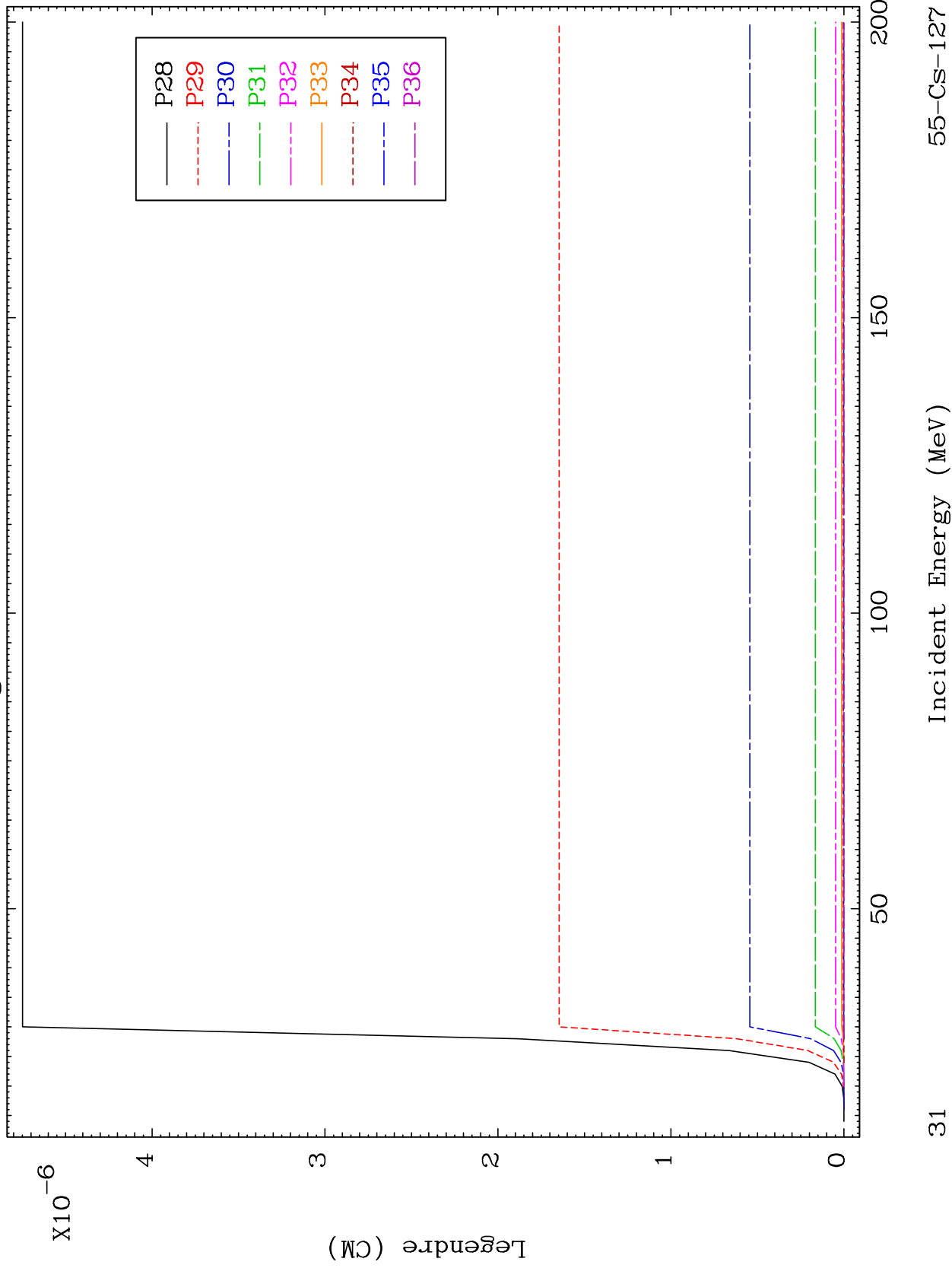
Incident Energy (MeV)

55-Cs-127

MAT 5507

MT= 53 (n,n') Level  
Legendre Coefficients

55-Cs-127



31

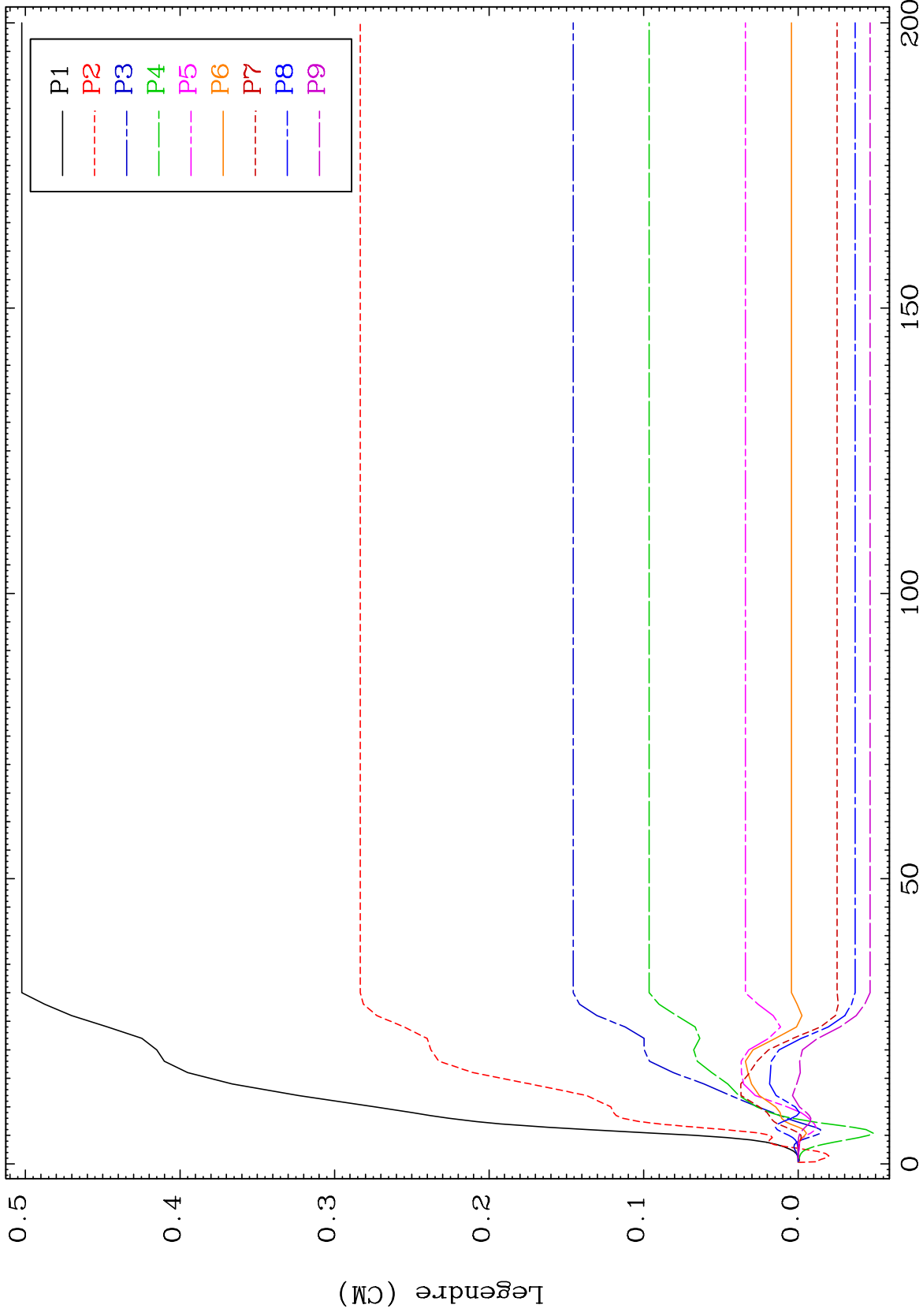
55-Cs-127



MAT 5507

MT= 54 (n,n') Level  
Legendre Coefficients

55-Cs-127



32

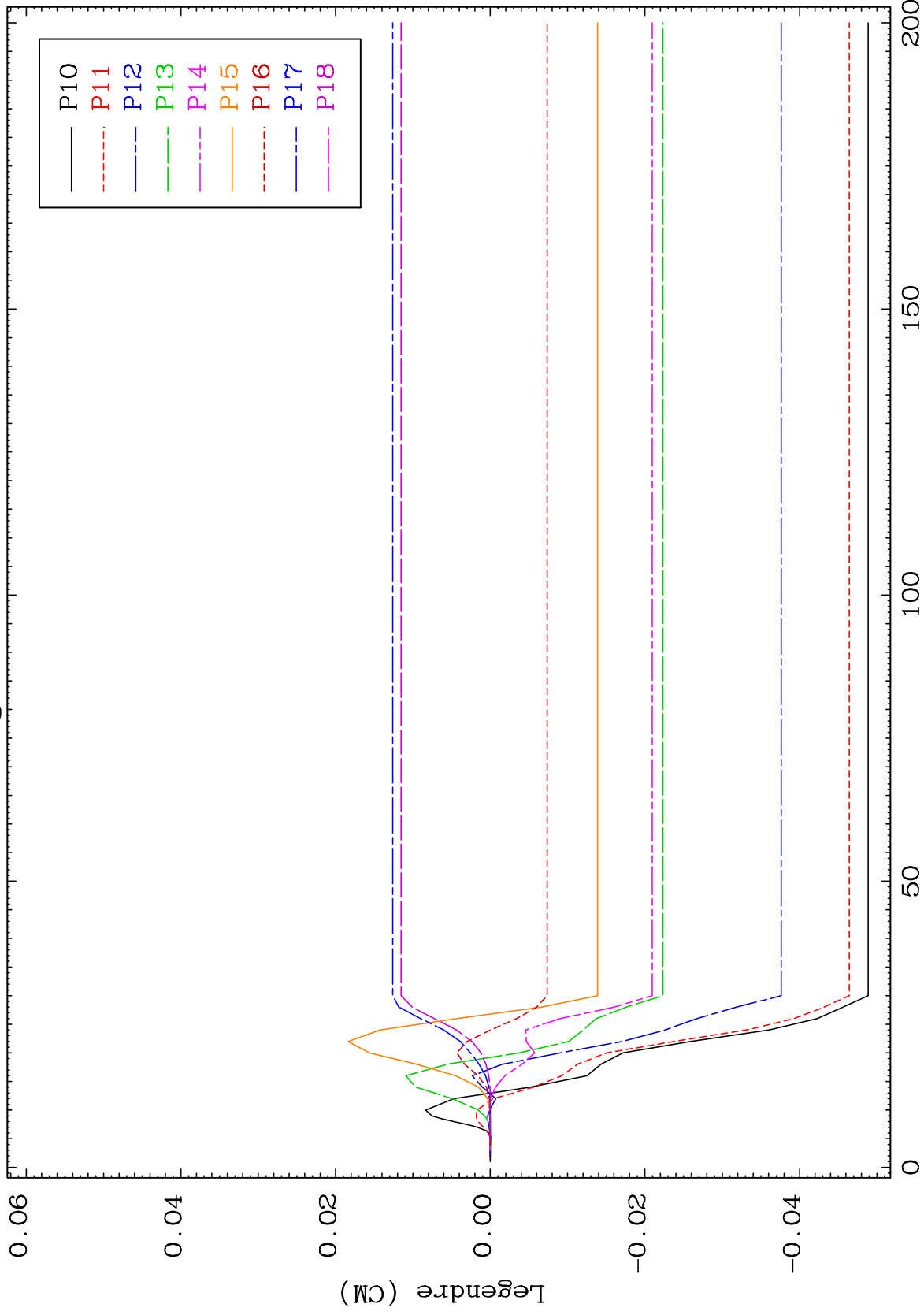
Incident Energy (MeV)

55-Cs-127

MAT 5507

MT= 54 (n,n') Level  
Legendre Coefficients

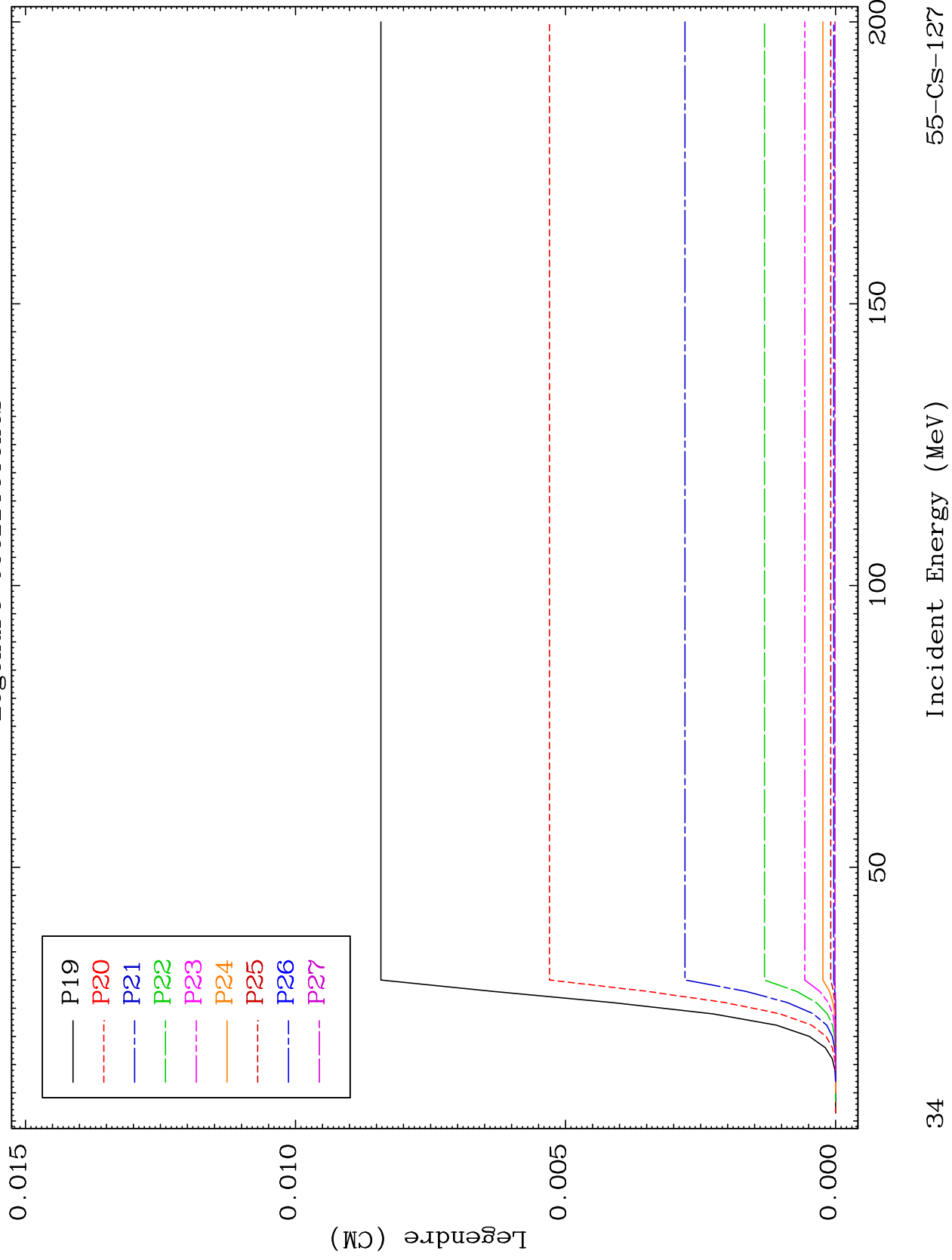
55-Cs-127



MAT 5507

MT= 54 (n,n') Level  
Legendre Coefficients

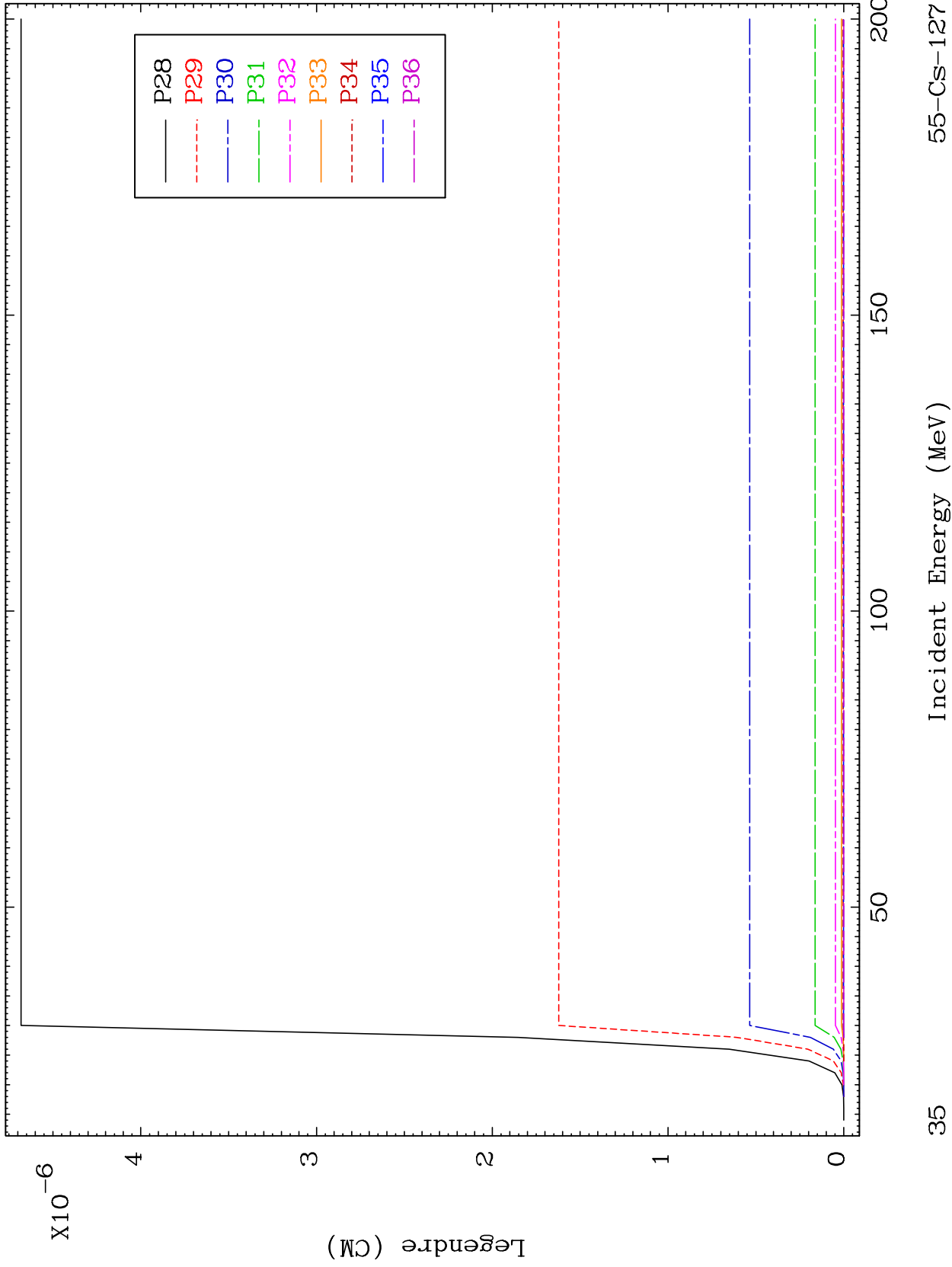
55-Cs-127



MAT 5507

MT= 54 (n,n') Level  
Legendre Coefficients

55-Cs-127



35

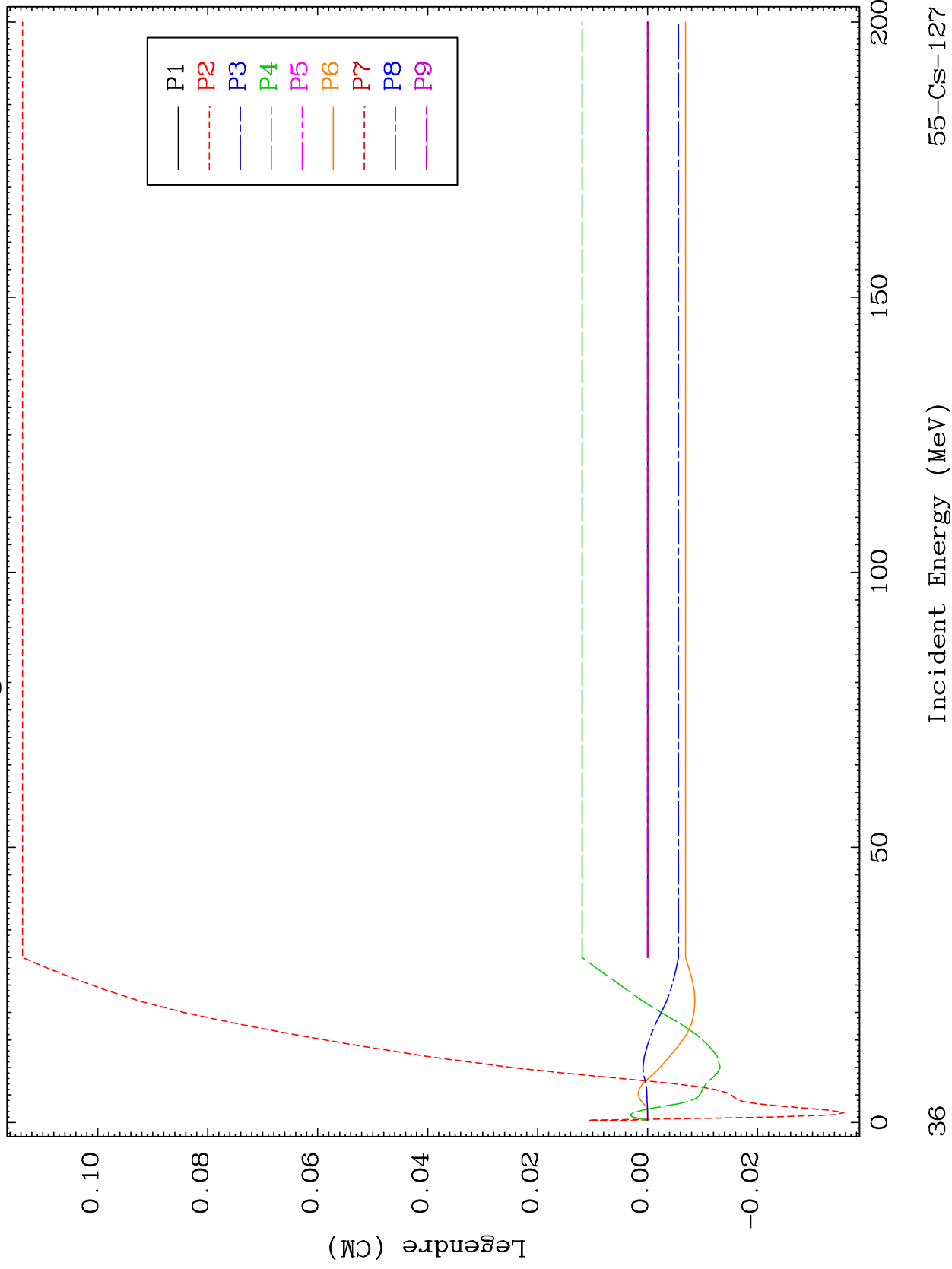
Incident Energy (MeV)

55-Cs-127

MAT 5507

MT= 55 (n,n') Level  
Legendre Coefficients

55-Cs-127



36

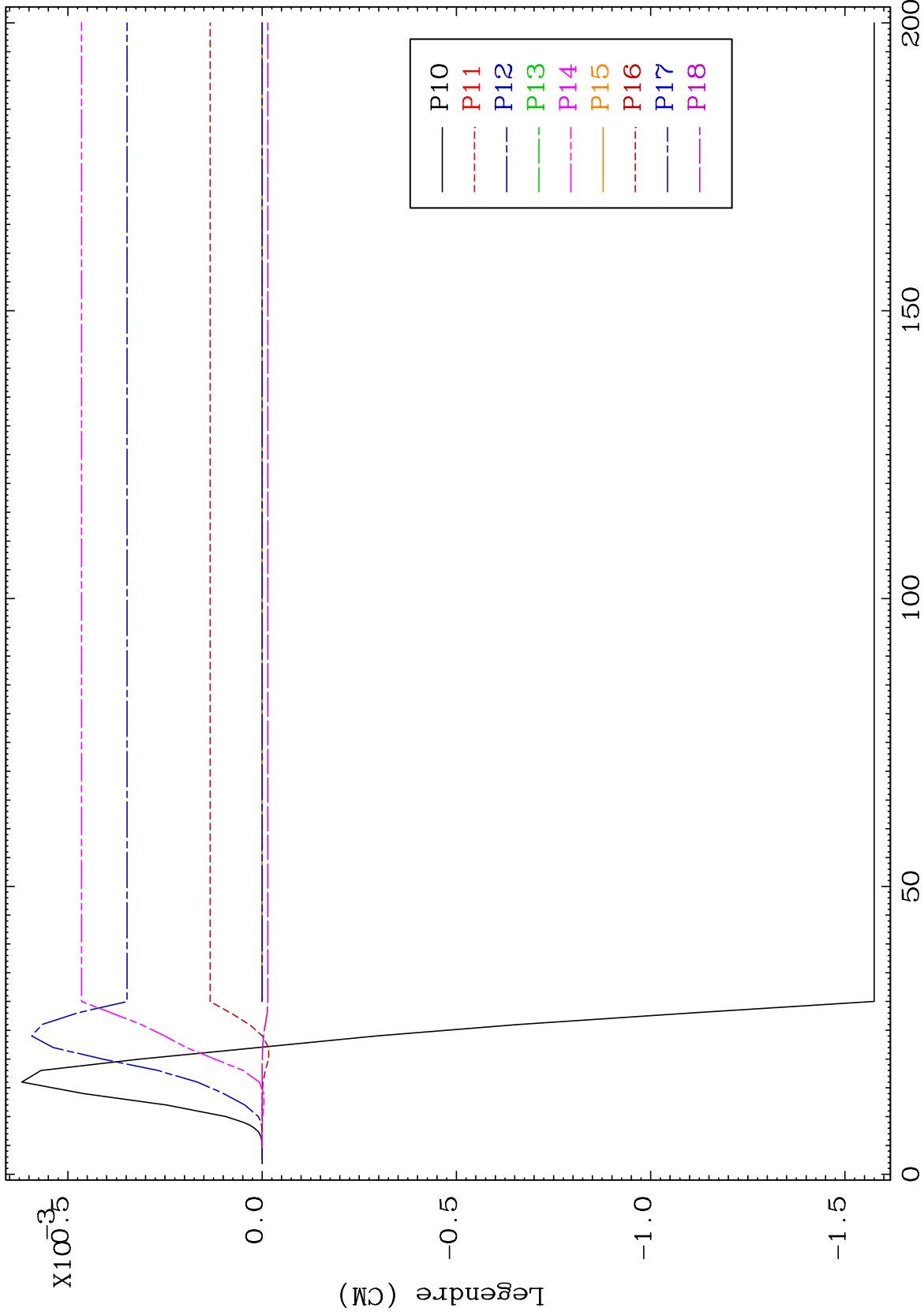
Incident Energy (MeV)

55-Cs-127

MAT 5507

MT= 55 (n,n') Level  
Legendre Coefficients

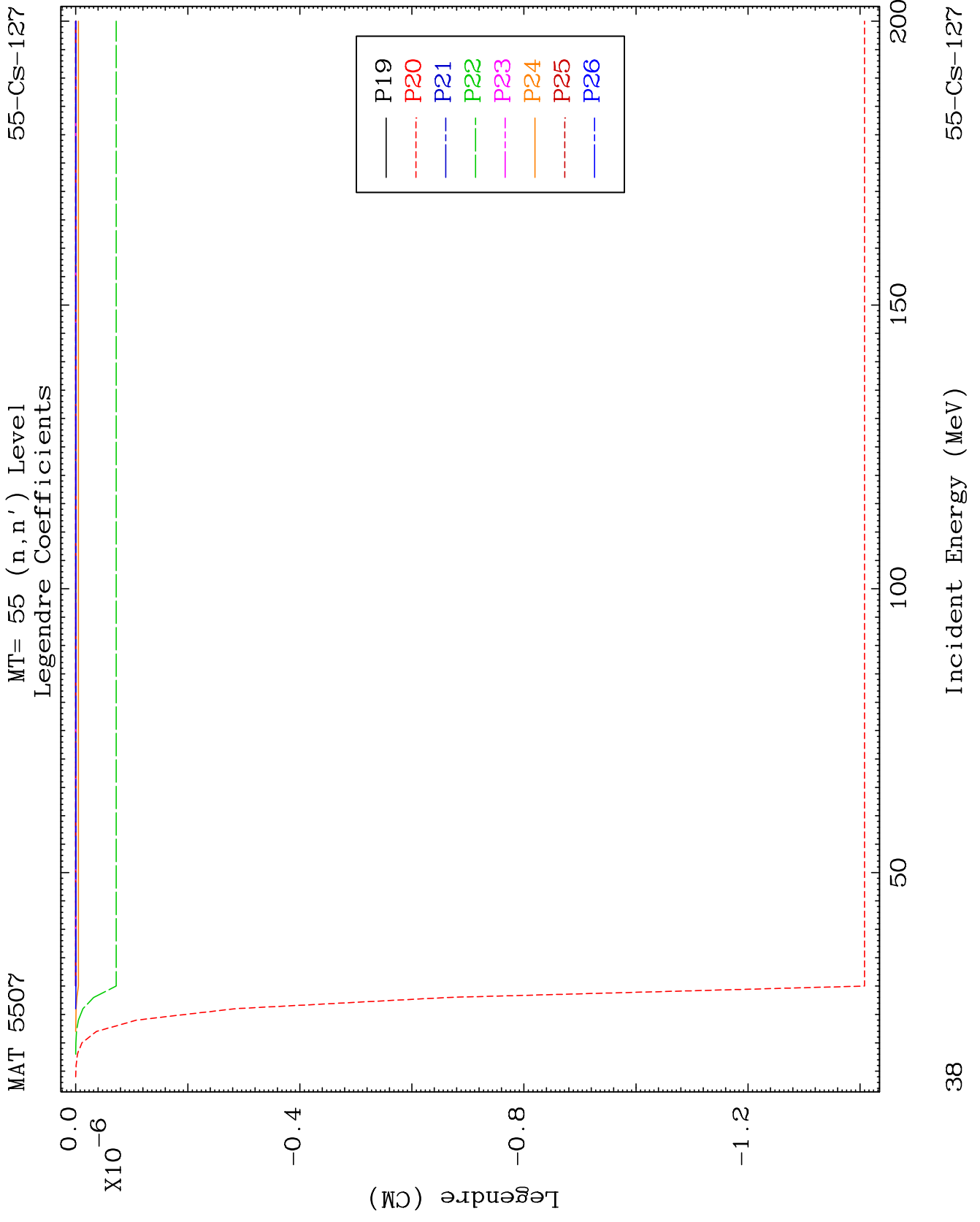
55-Cs-127



37

Incident Energy (MeV)

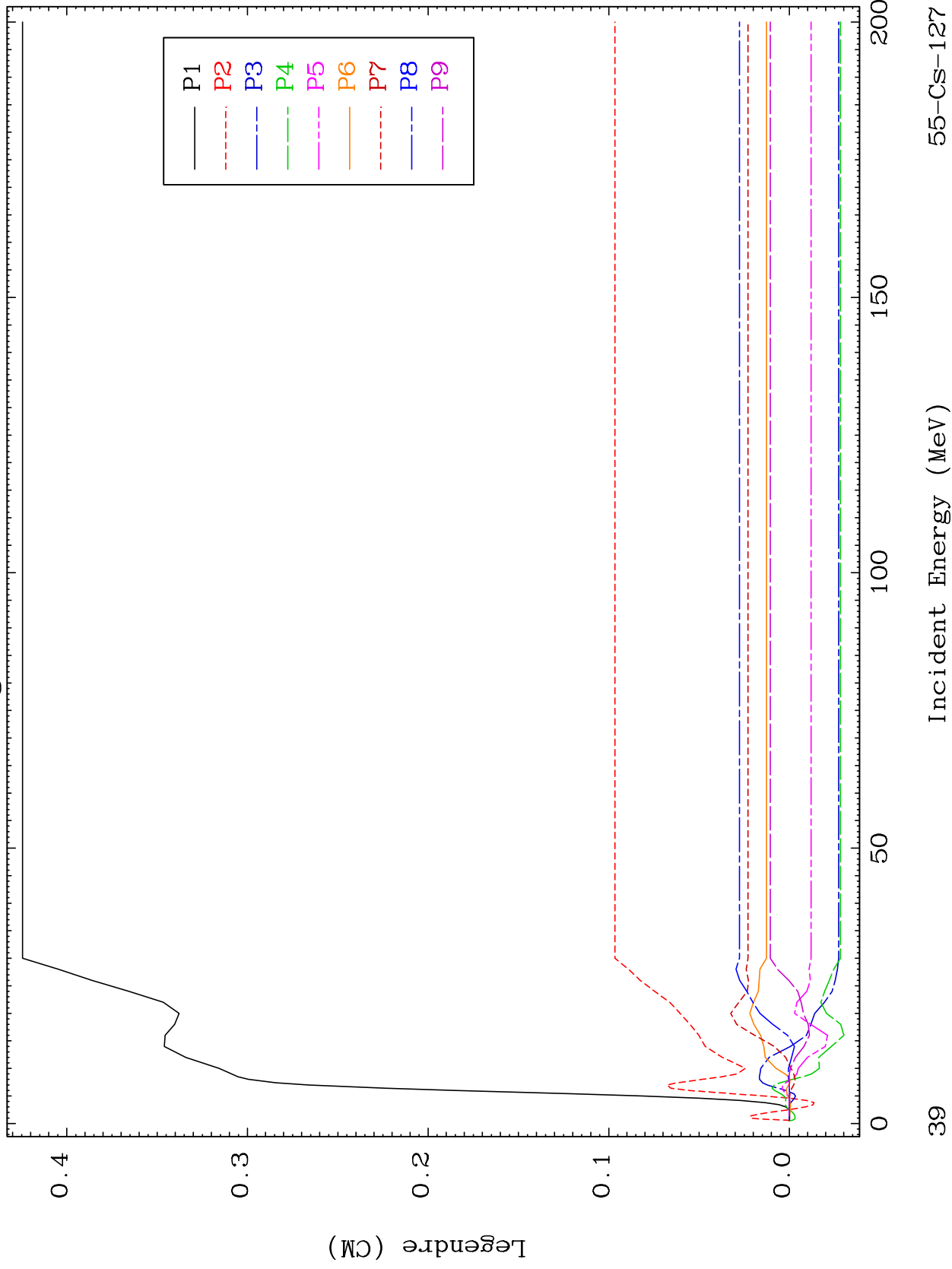
55-Cs-127



MAT 5507

MT= 56 (n,n') Level  
Legendre Coefficients

55-Cs-127

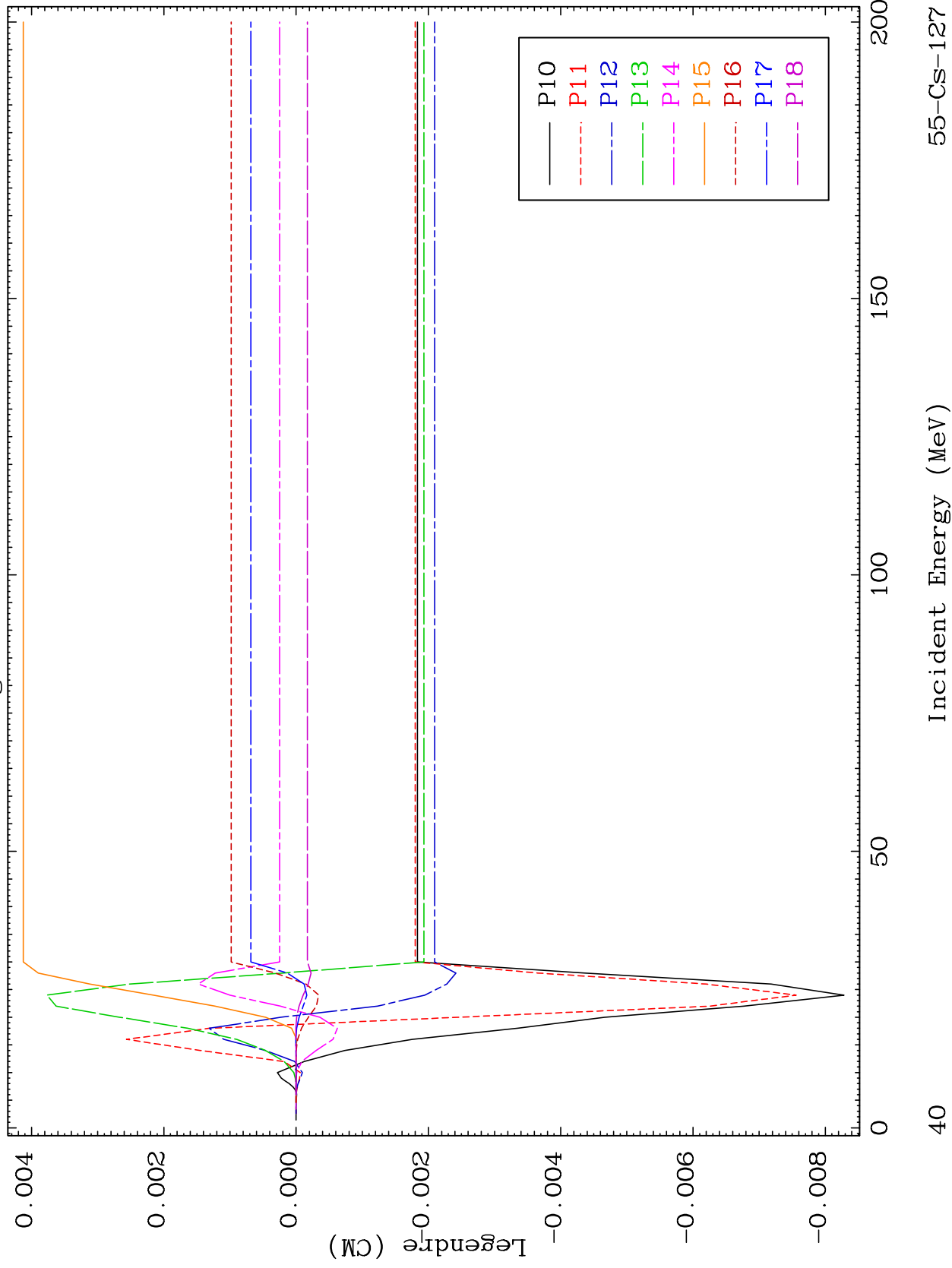




MAT 5507

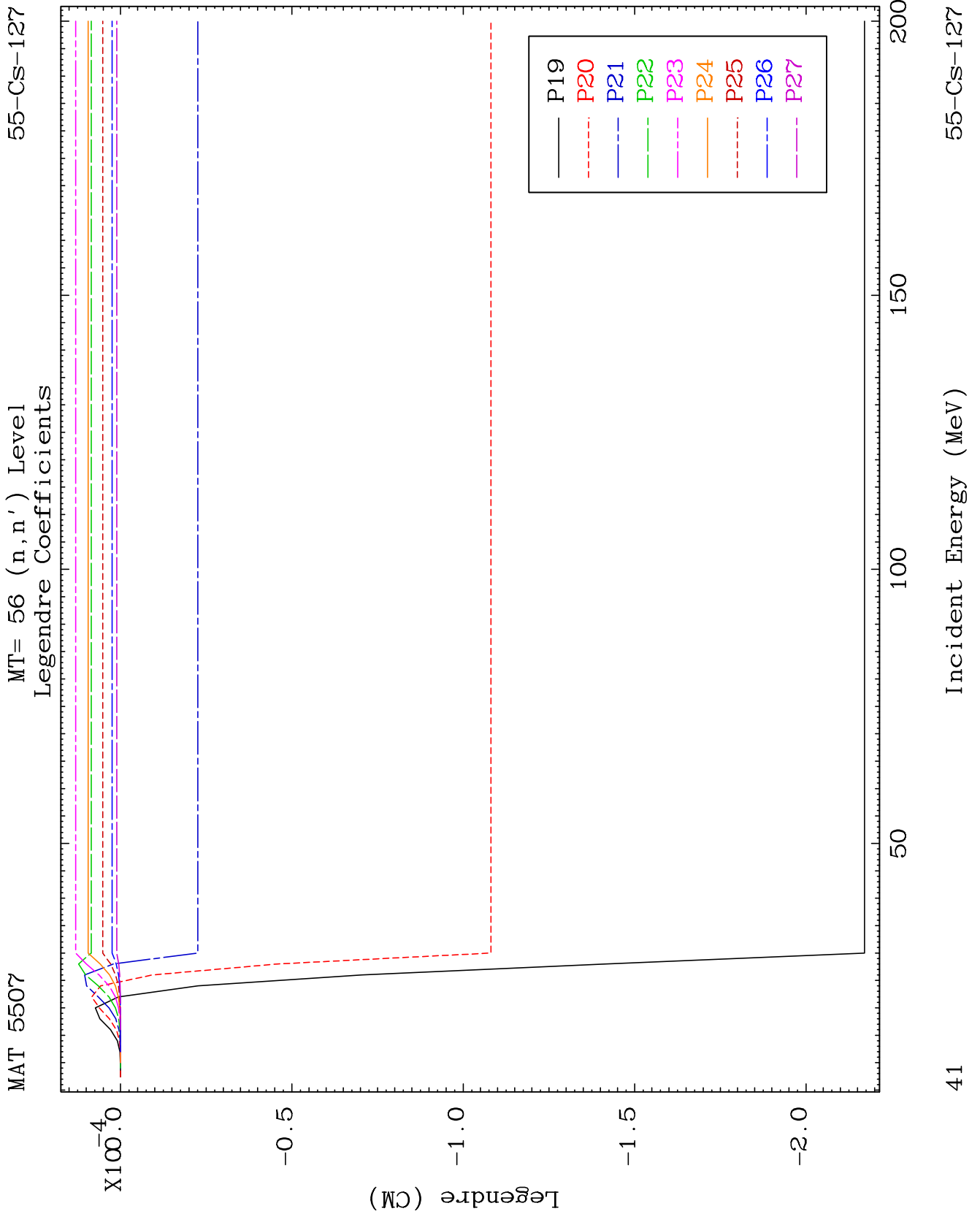
MT= 56 (n,n') Level  
Legendre Coefficients

55-Cs-127



55-Cs-127

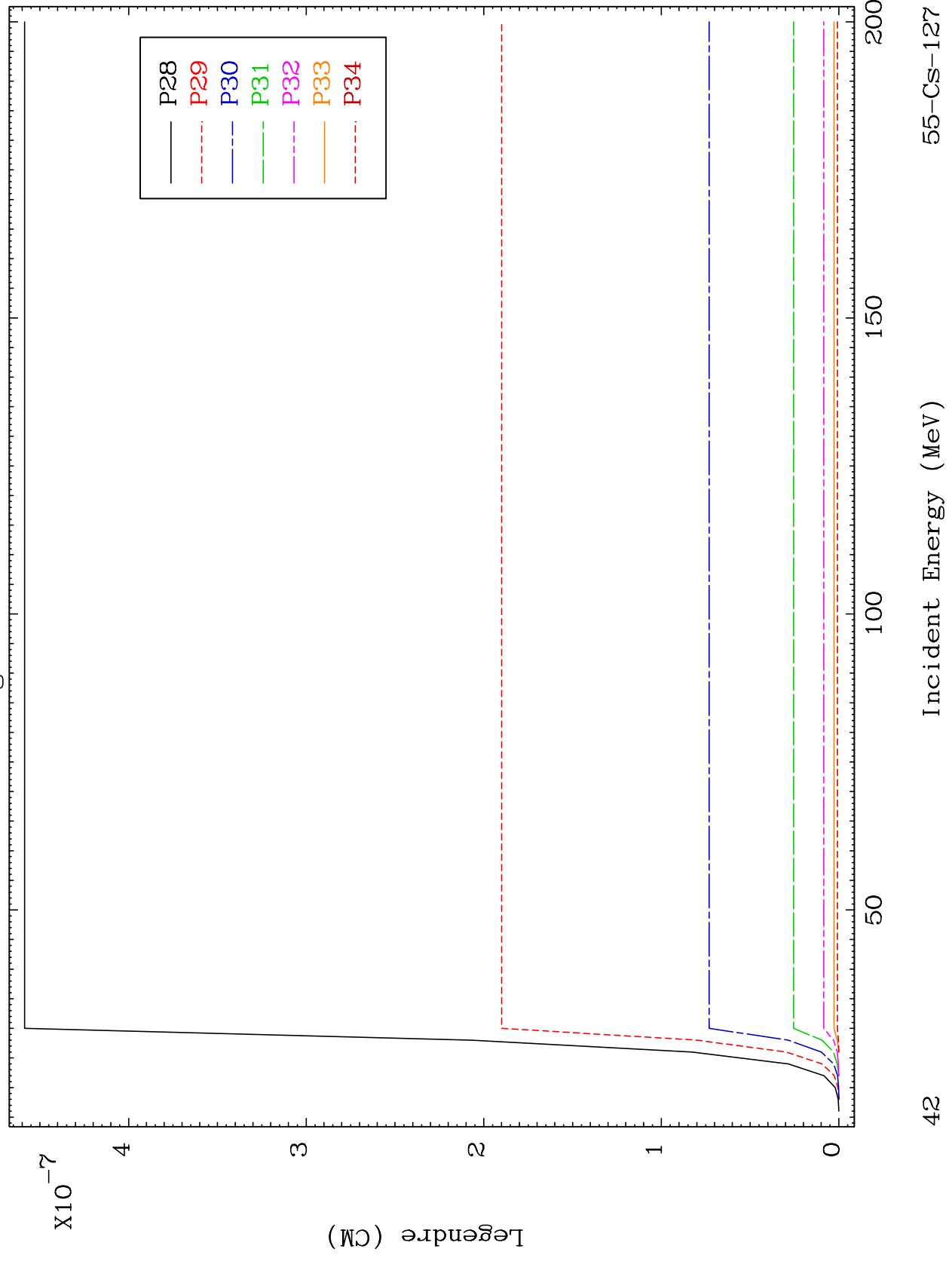
Incident Energy (MeV)



MAT 5507

MT= 56 (n,n') Level  
Legendre Coefficients

55-Cs-127



55-Cs-127

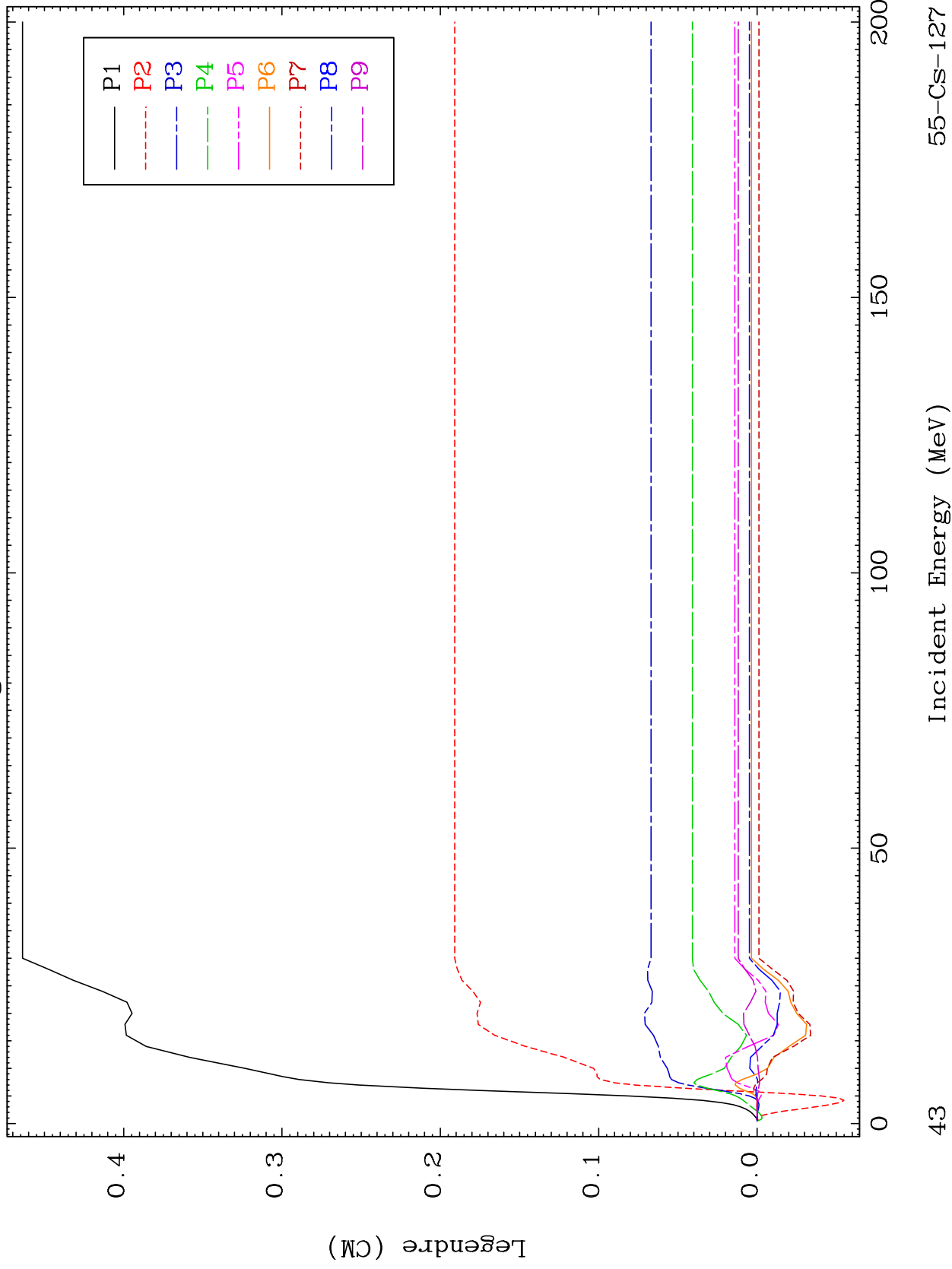
Incident Energy (MeV)

42

MAT 5507

MT= 57 (n,n') Level  
Legendre Coefficients

55-Cs-127



55-Cs-127

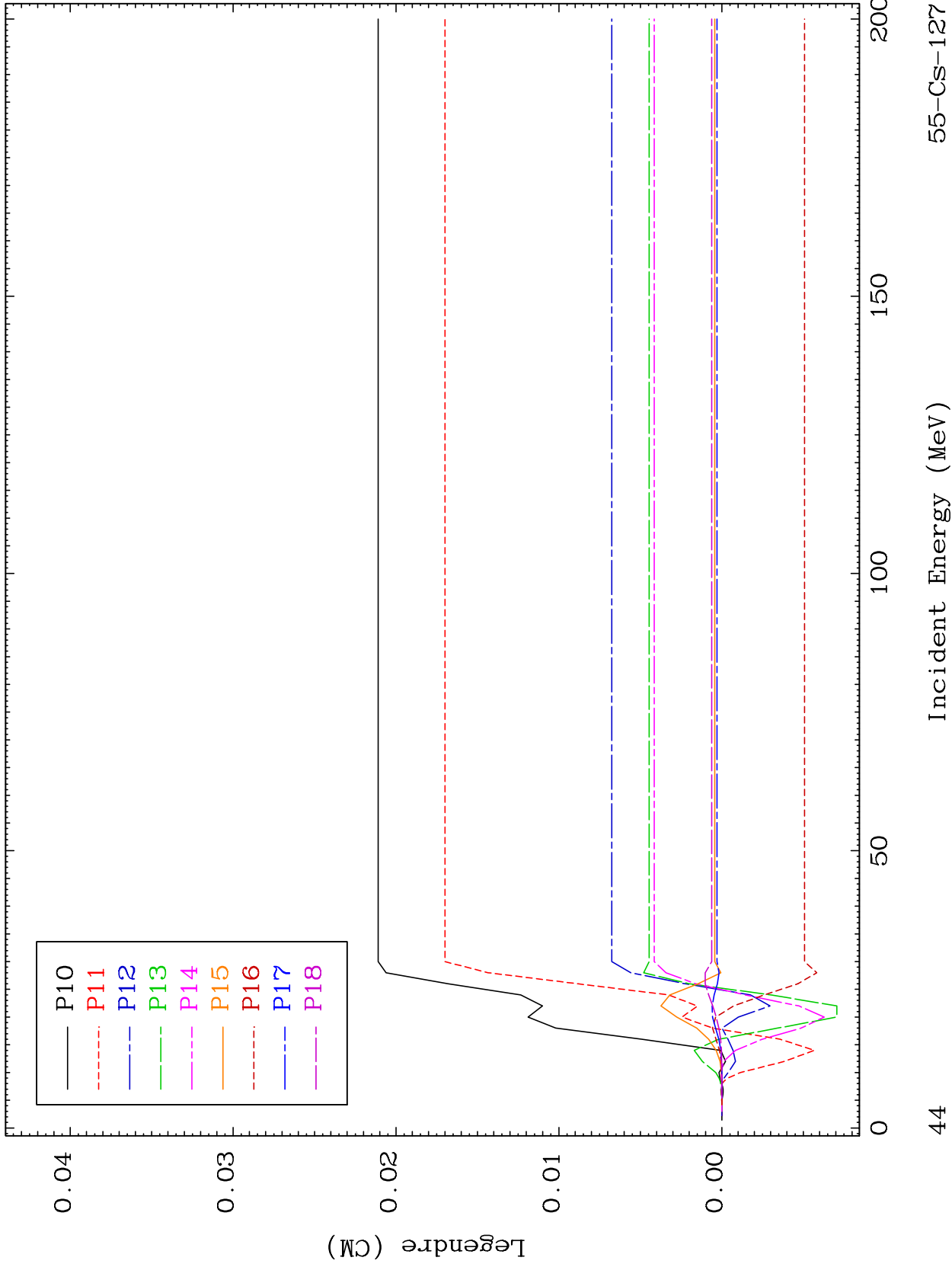
Incident Energy (MeV)

43

MAT 5507

MT= 57 (n,n') Level  
Legendre Coefficients

55-Cs-127



44

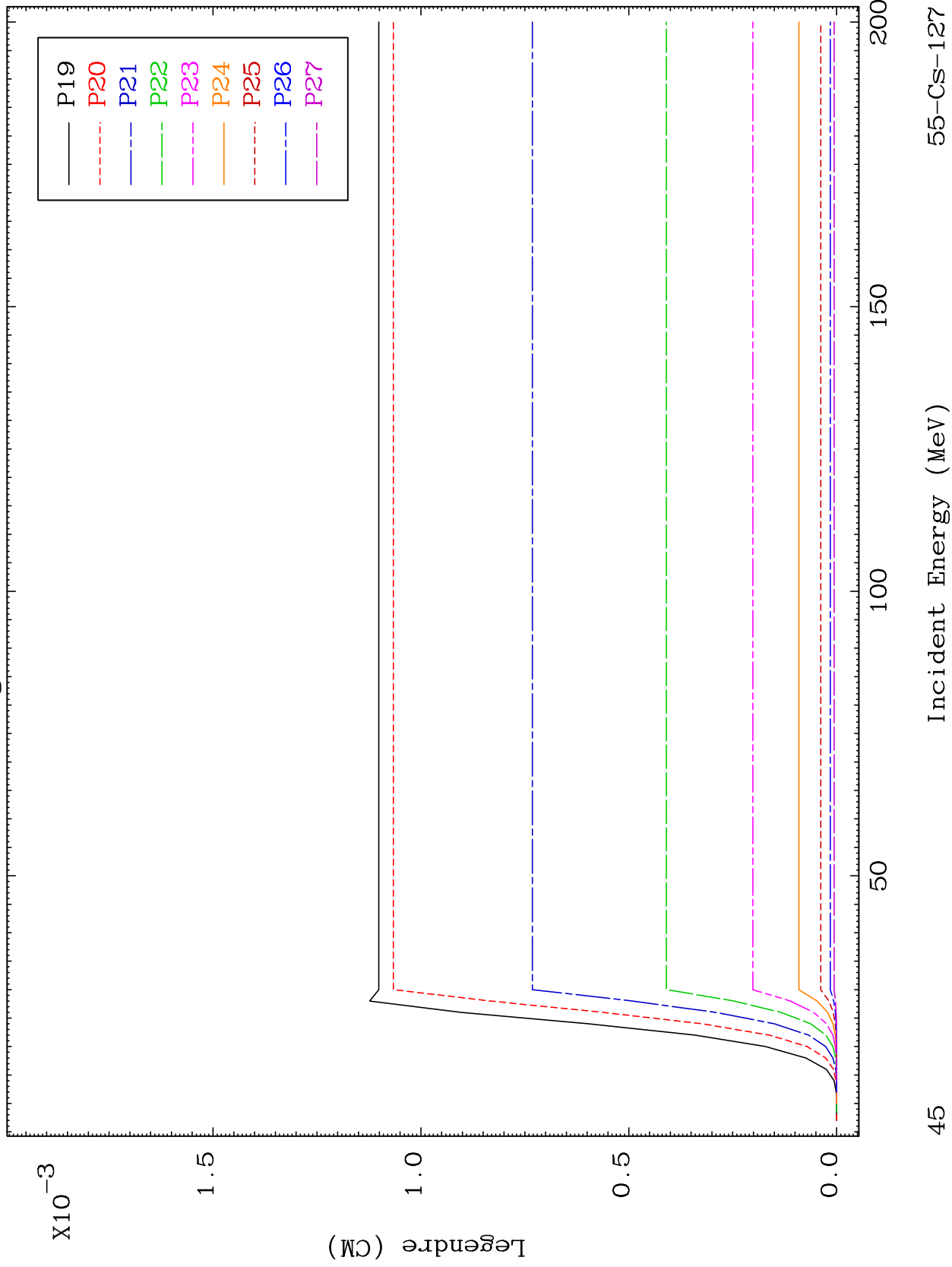
Incident Energy (MeV)

55-Cs-127

MAT 5507

MT= 57 (n,n') Level  
Legendre Coefficients

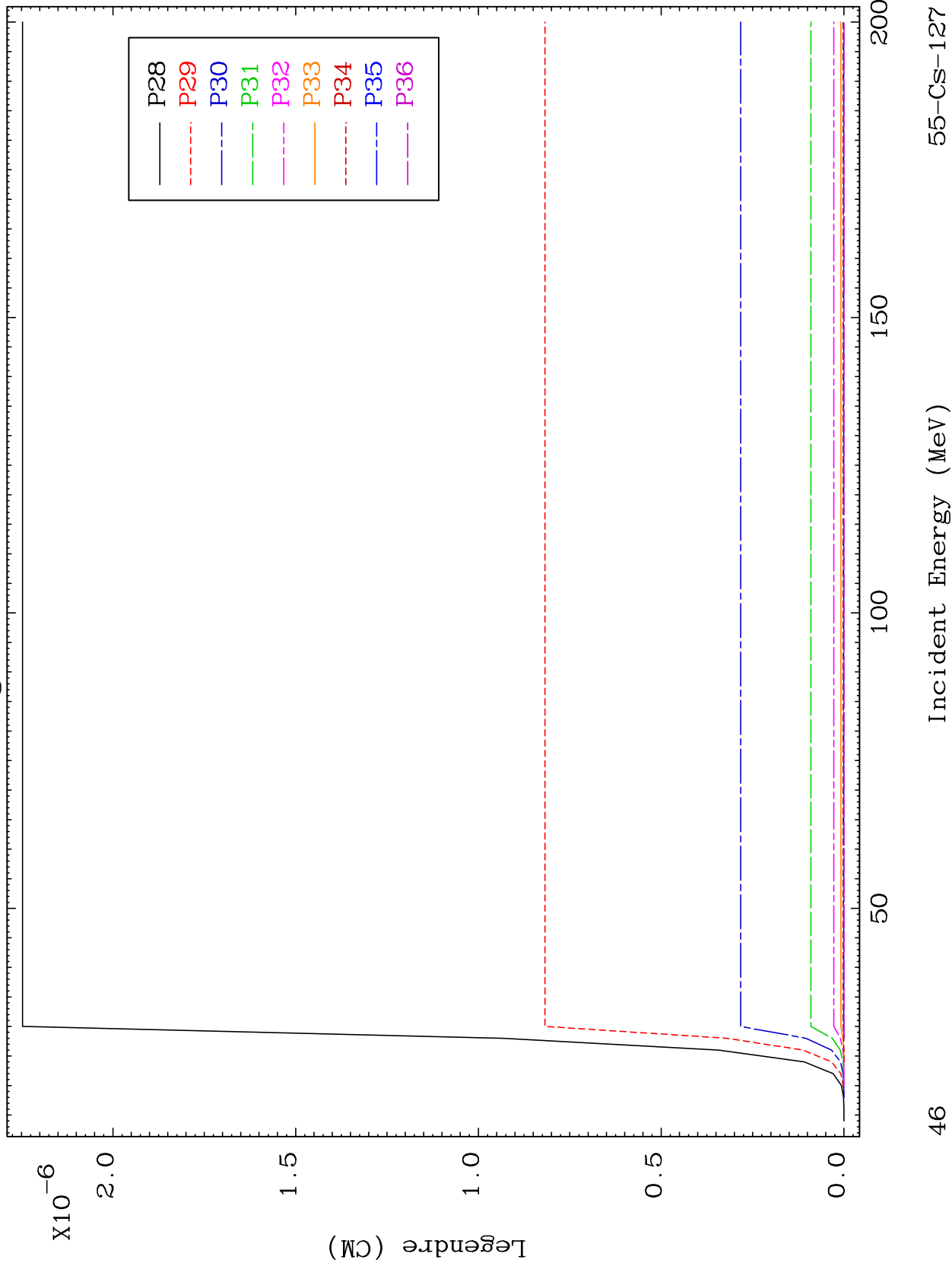
55-Cs-127



MAT 5507

MT= 57 (n,n') Level  
Legendre Coefficients

55-Cs-127



46

Incident Energy (MeV)

55-Cs-127

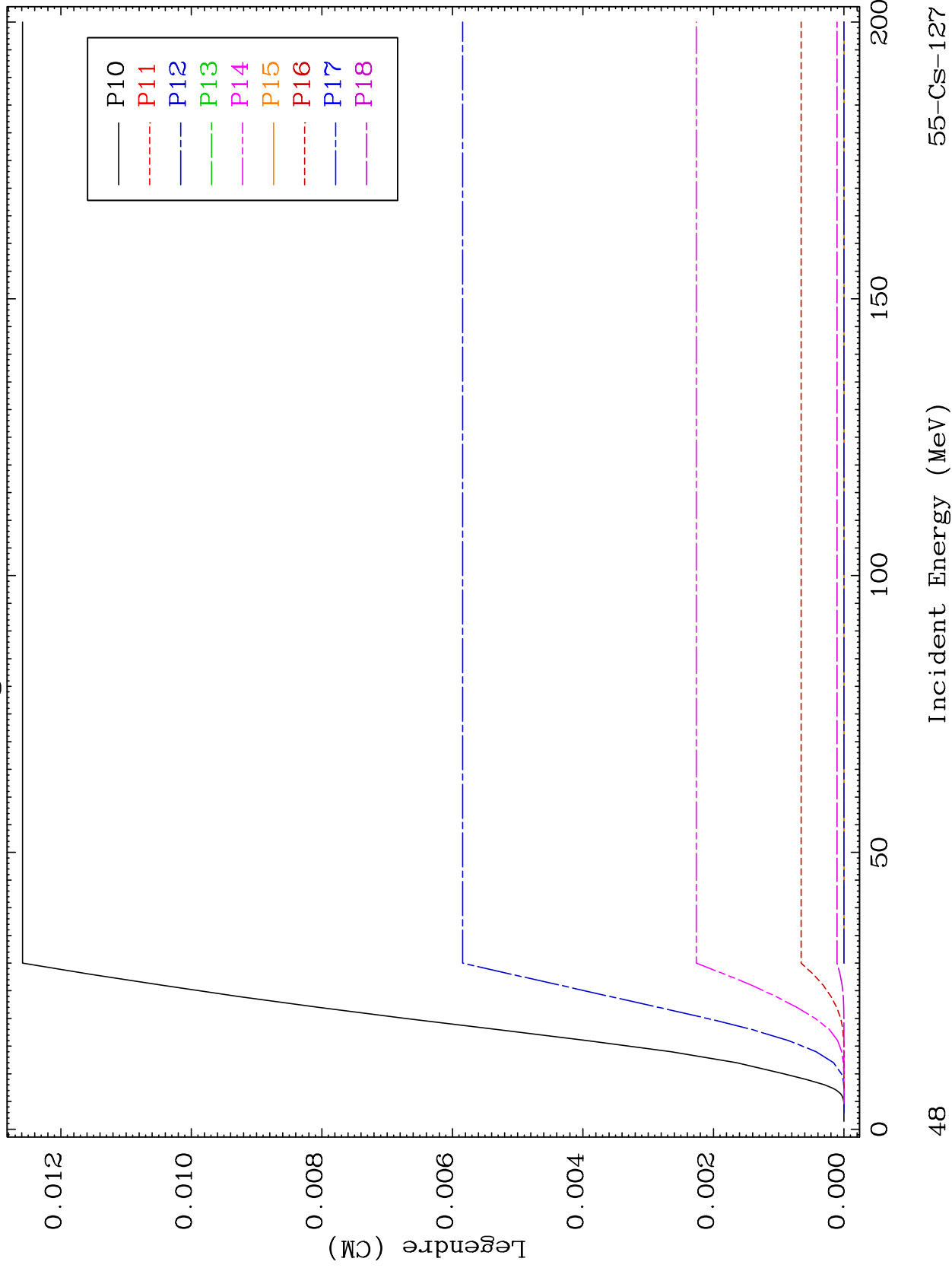




MAT 5507

MT= 58 (n,n') Level  
Legendre Coefficients

55-Cs-127

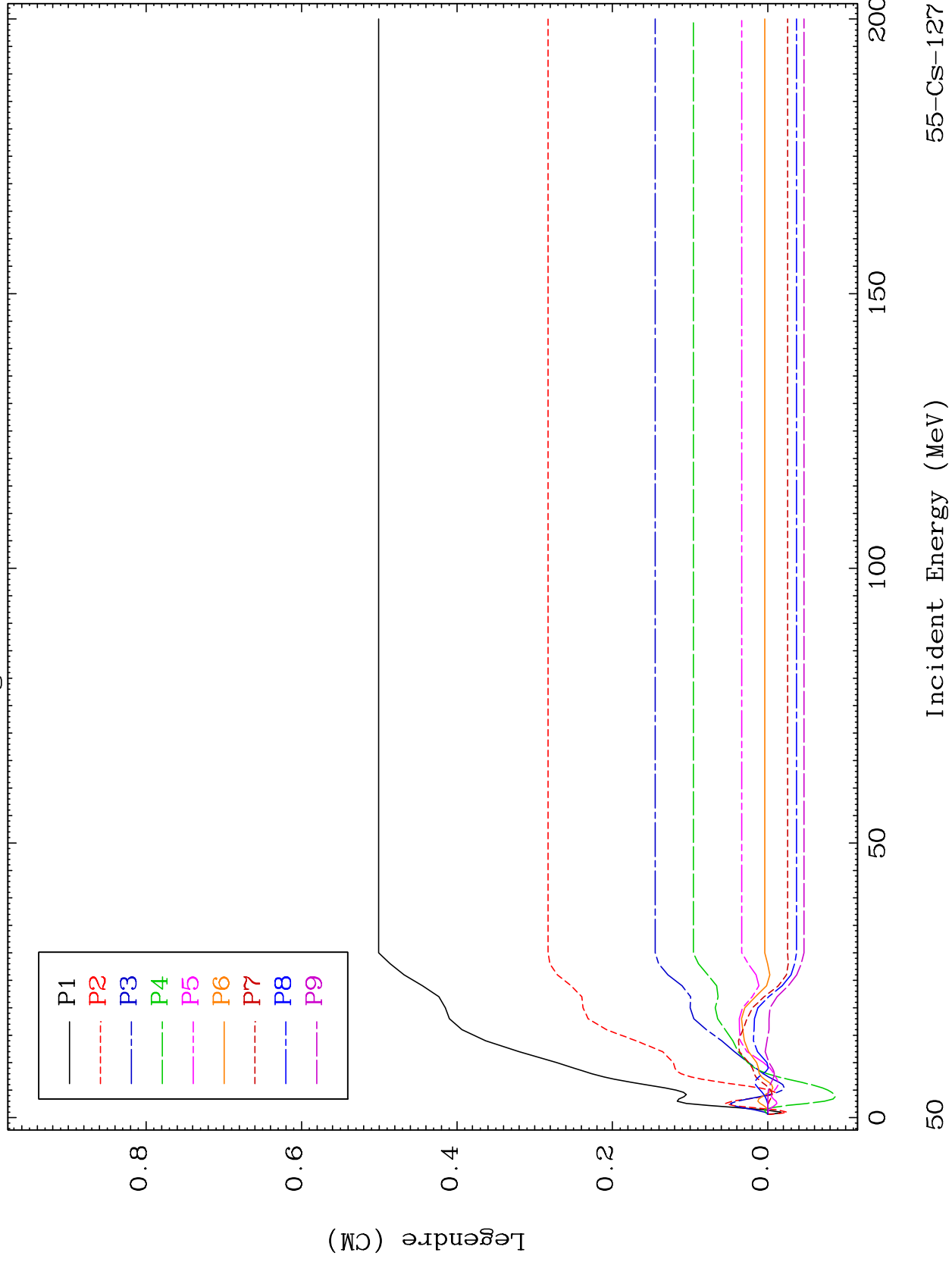




MAT 5507

MT= 59 (n,n') Level  
Legendre Coefficients

55-Cs-127

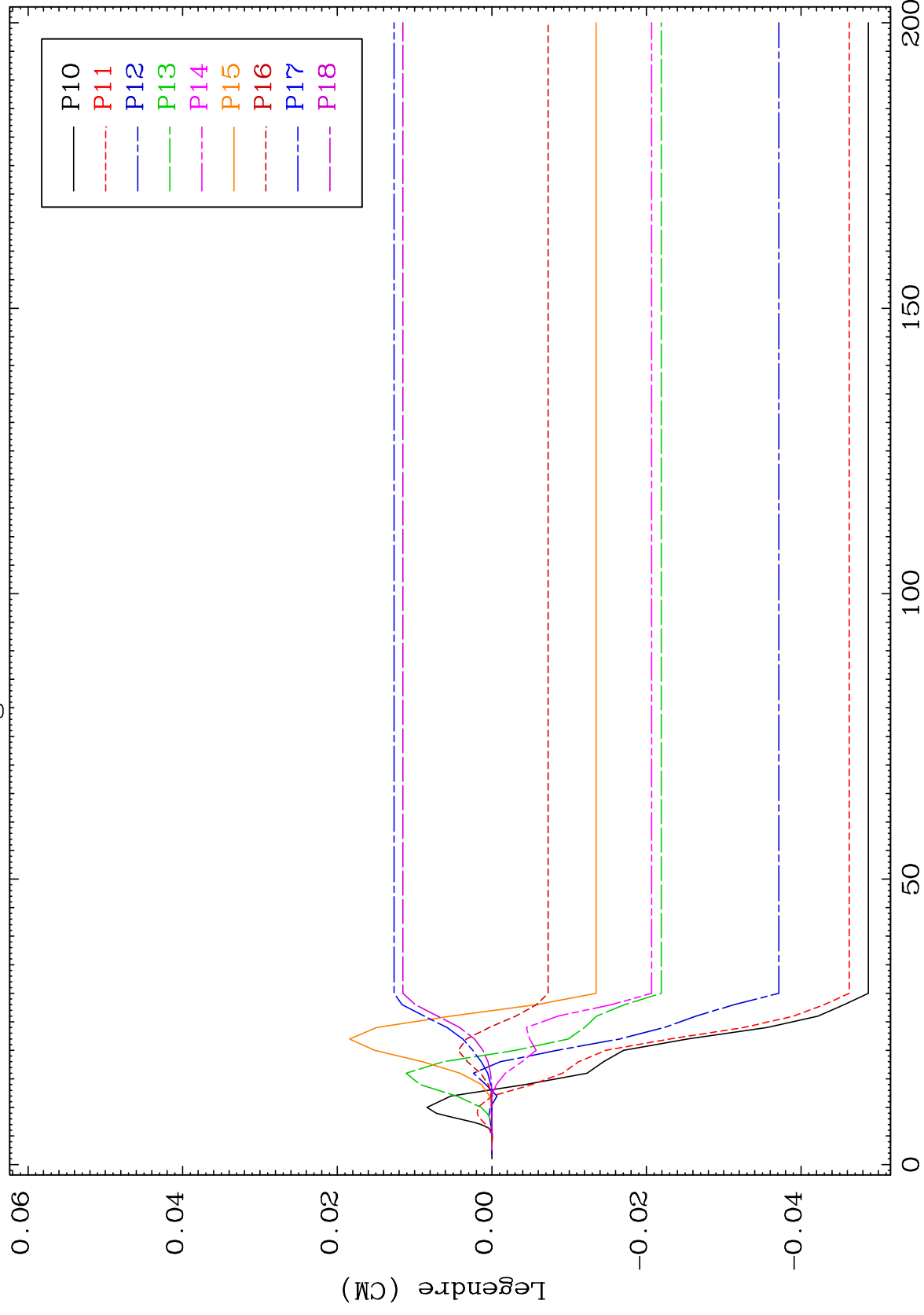


55-Cs-127

MAT 5507

MT= 59 (n,n') Level  
Legendre Coefficients

55-Cs-127



51

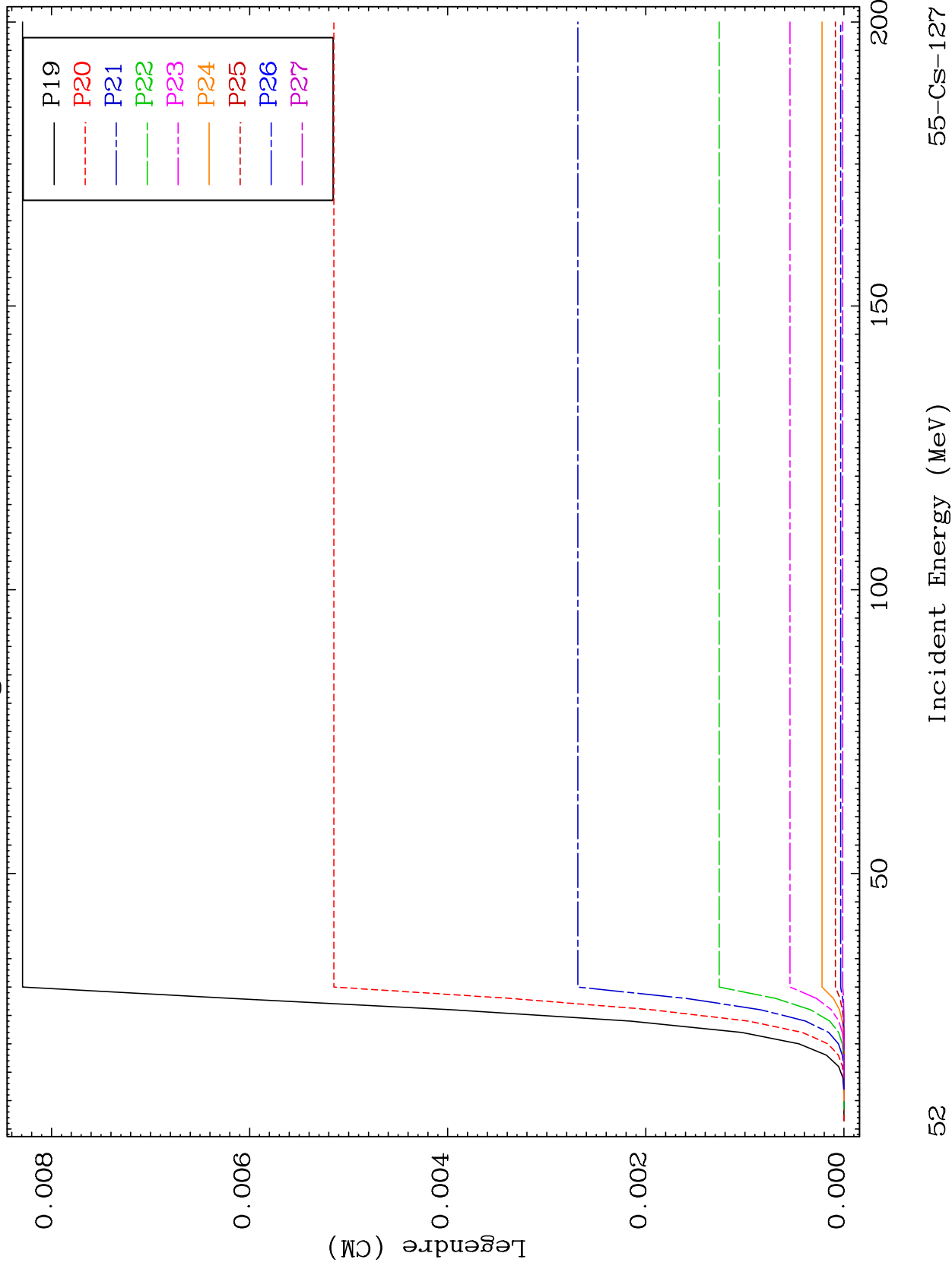
Incident Energy (MeV)

55-Cs-127

MAT 5507

MT= 59 (n,n') Level  
Legendre Coefficients

55-Cs-127



52

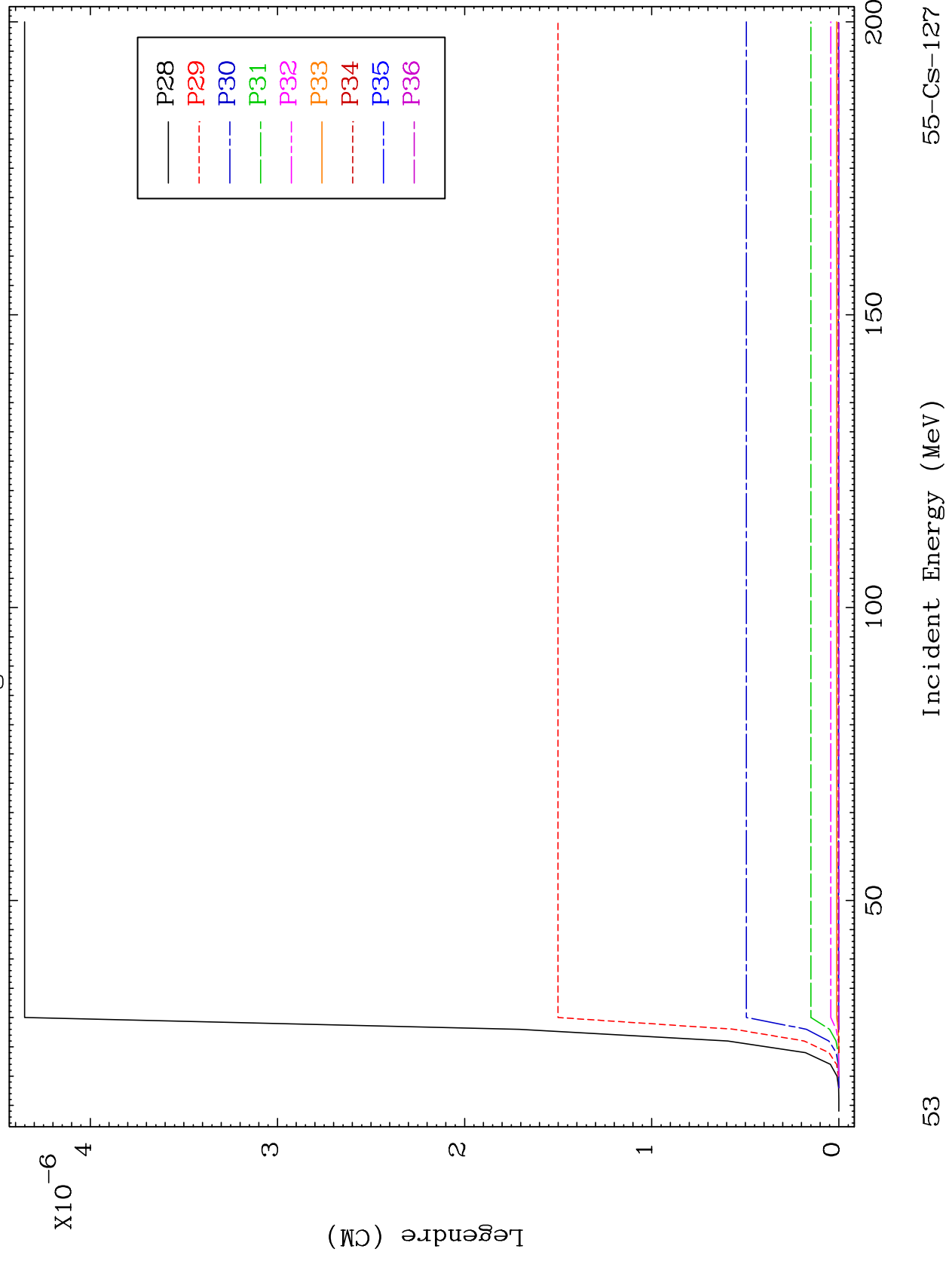
Incident Energy (MeV)

55-Cs-127

MAT 5507

MT= 59 (n,n') Level  
Legendre Coefficients

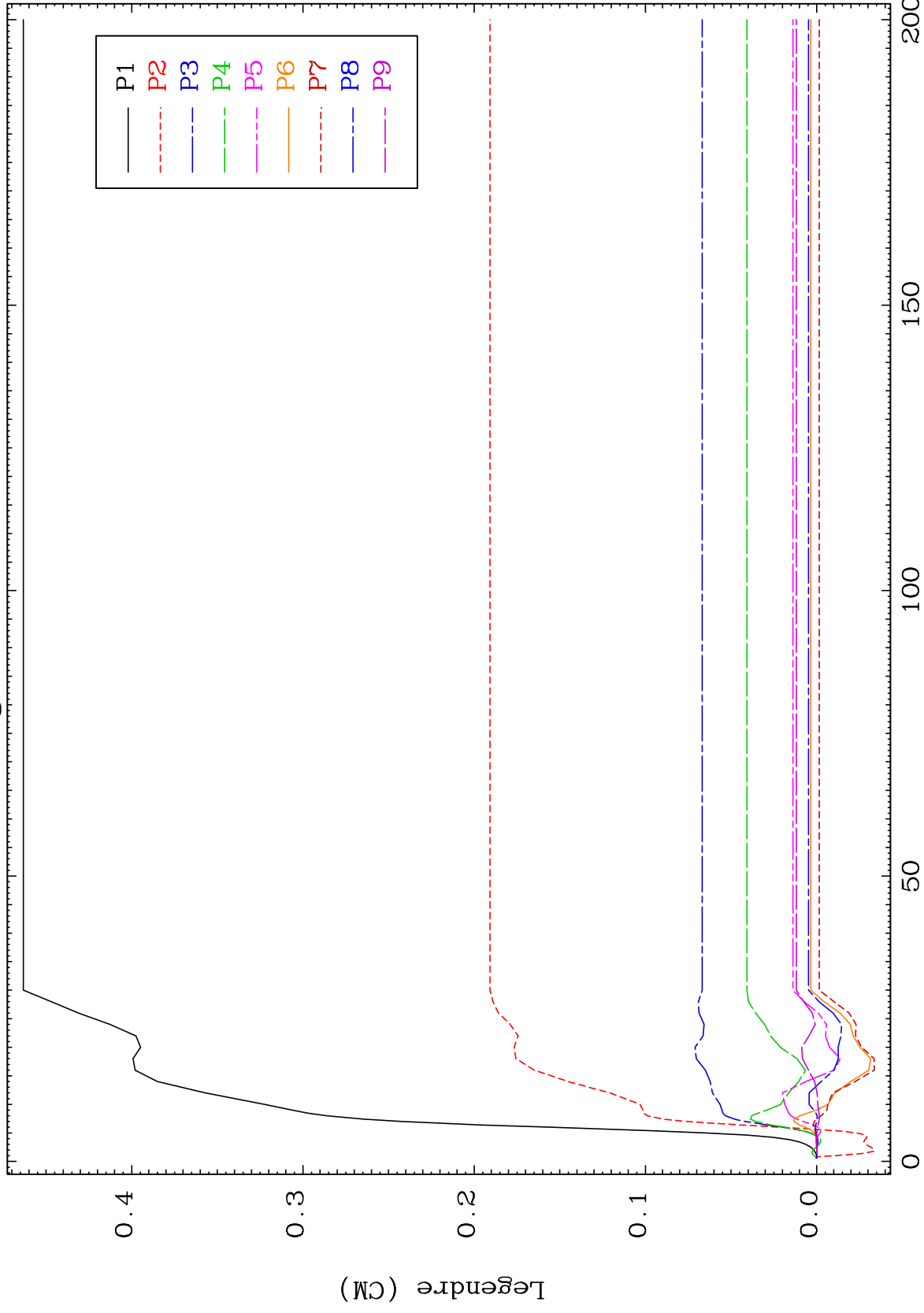
55-Cs-127



MAT 5507

MT= 60 (n,n') Level  
Legendre Coefficients

55-Cs-127



55-Cs-127

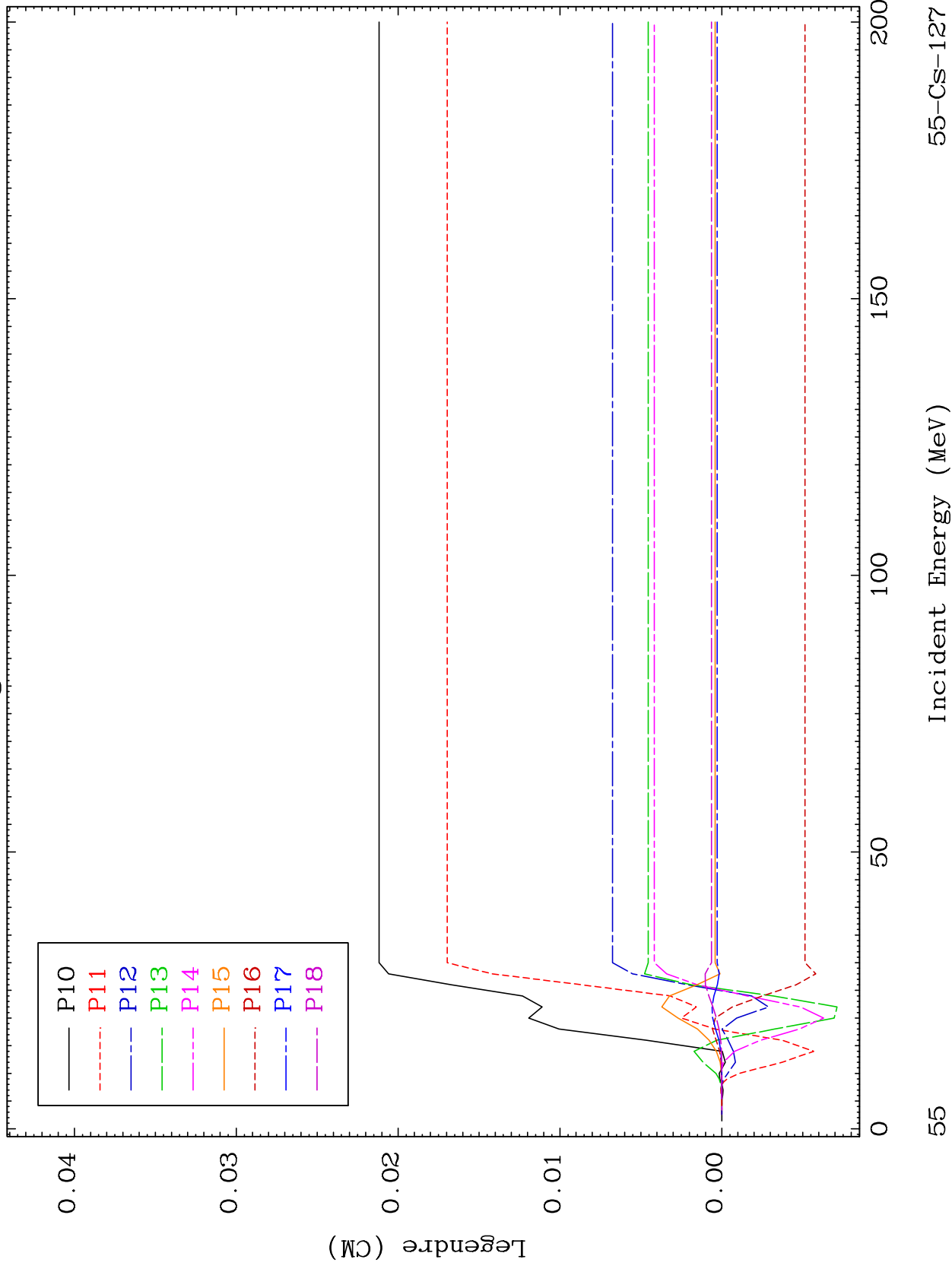
Incident Energy (MeV)

54

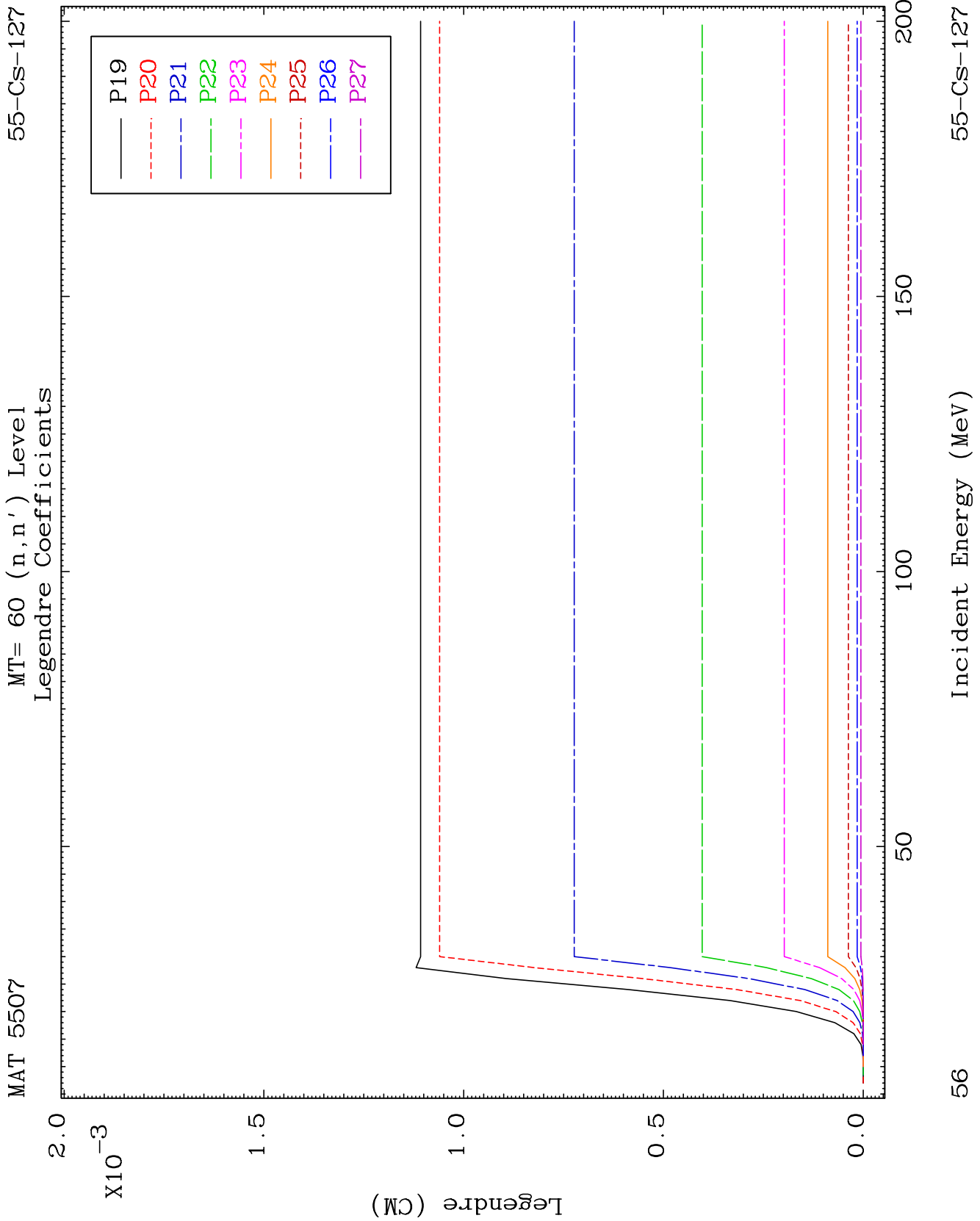
MAT 5507

MT= 60 (n,n') Level  
Legendre Coefficients

55-Cs-127



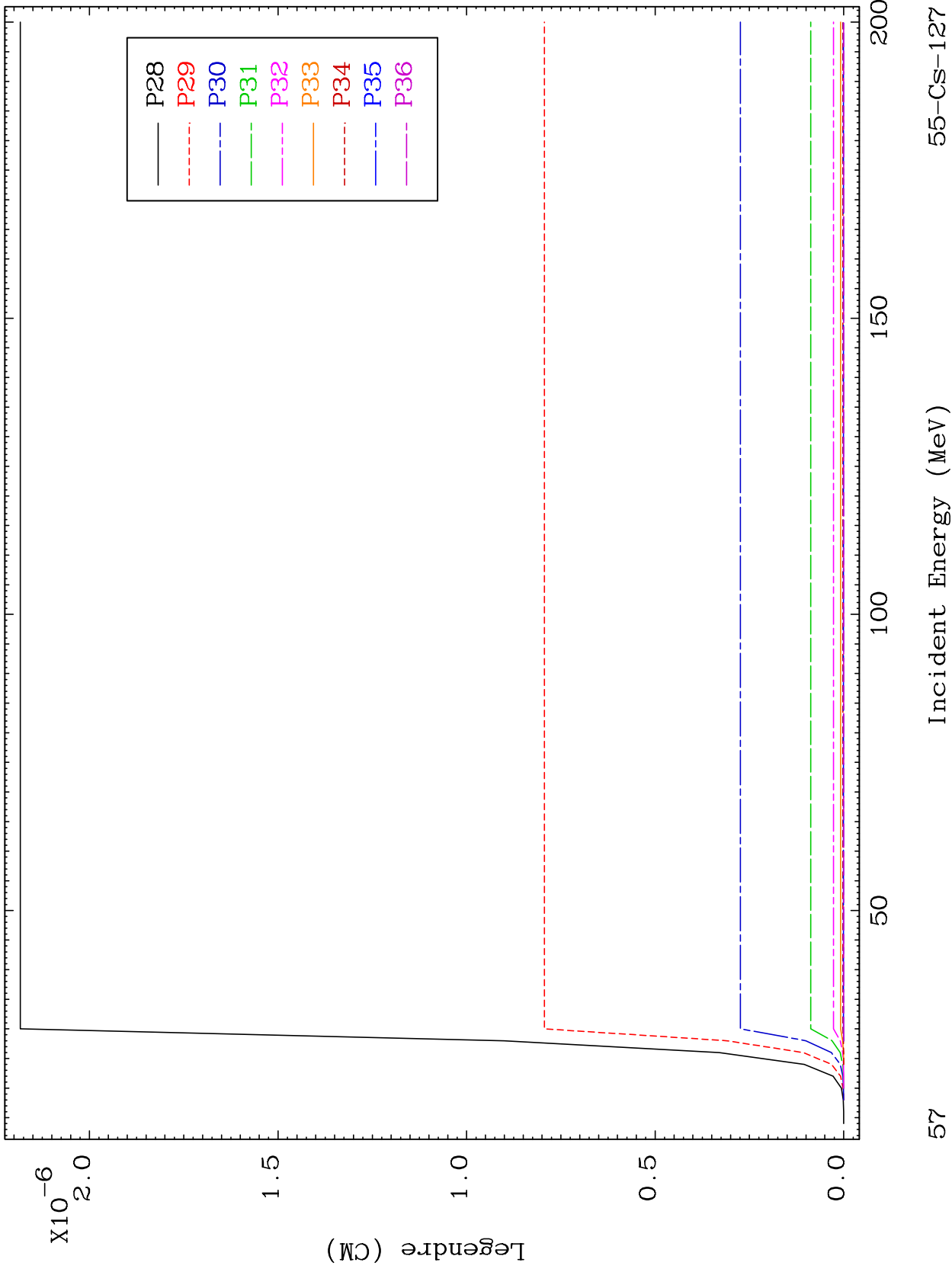


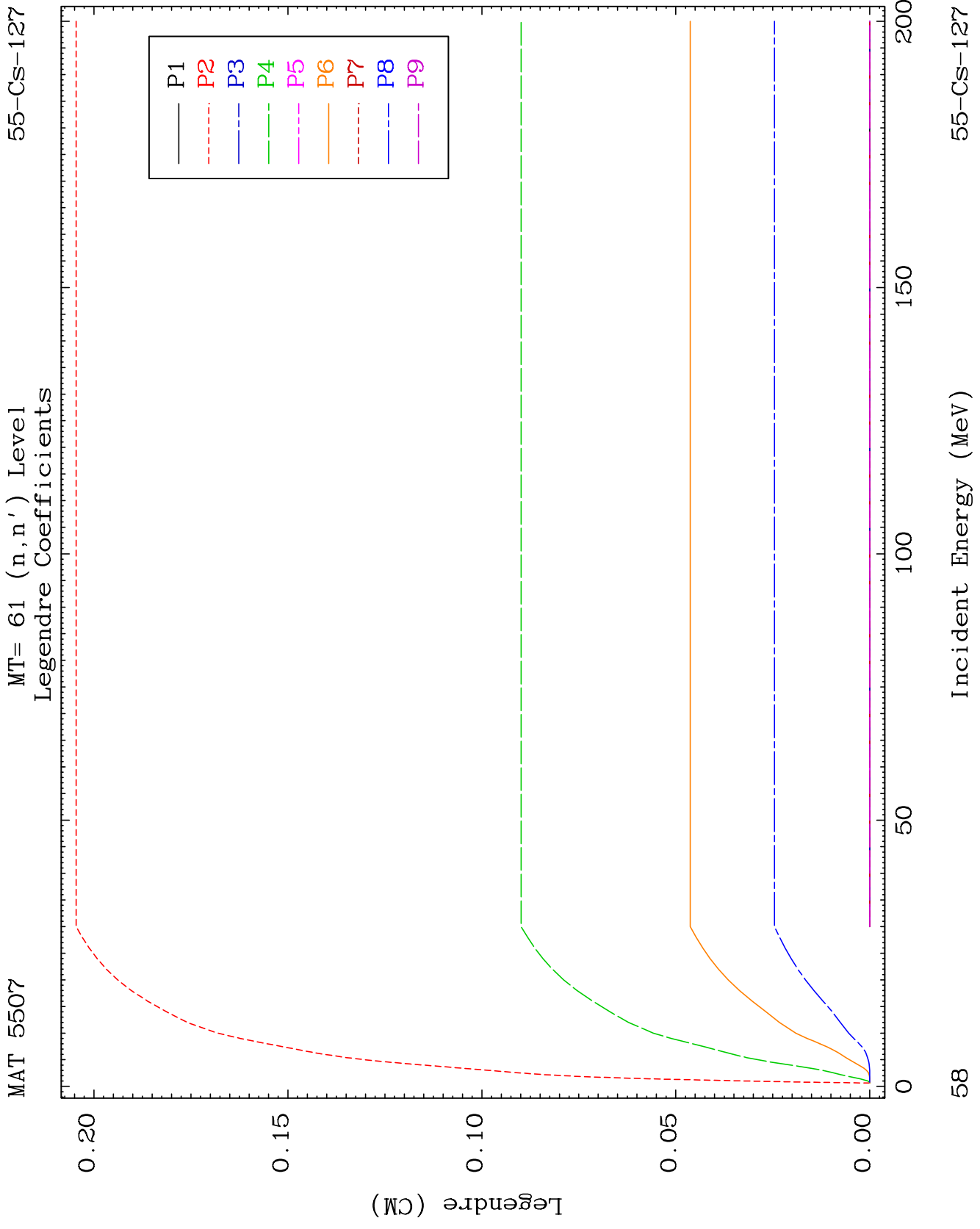


MAT 5507

MT= 60 (n,n') Level  
Legendre Coefficients

55-Cs-127

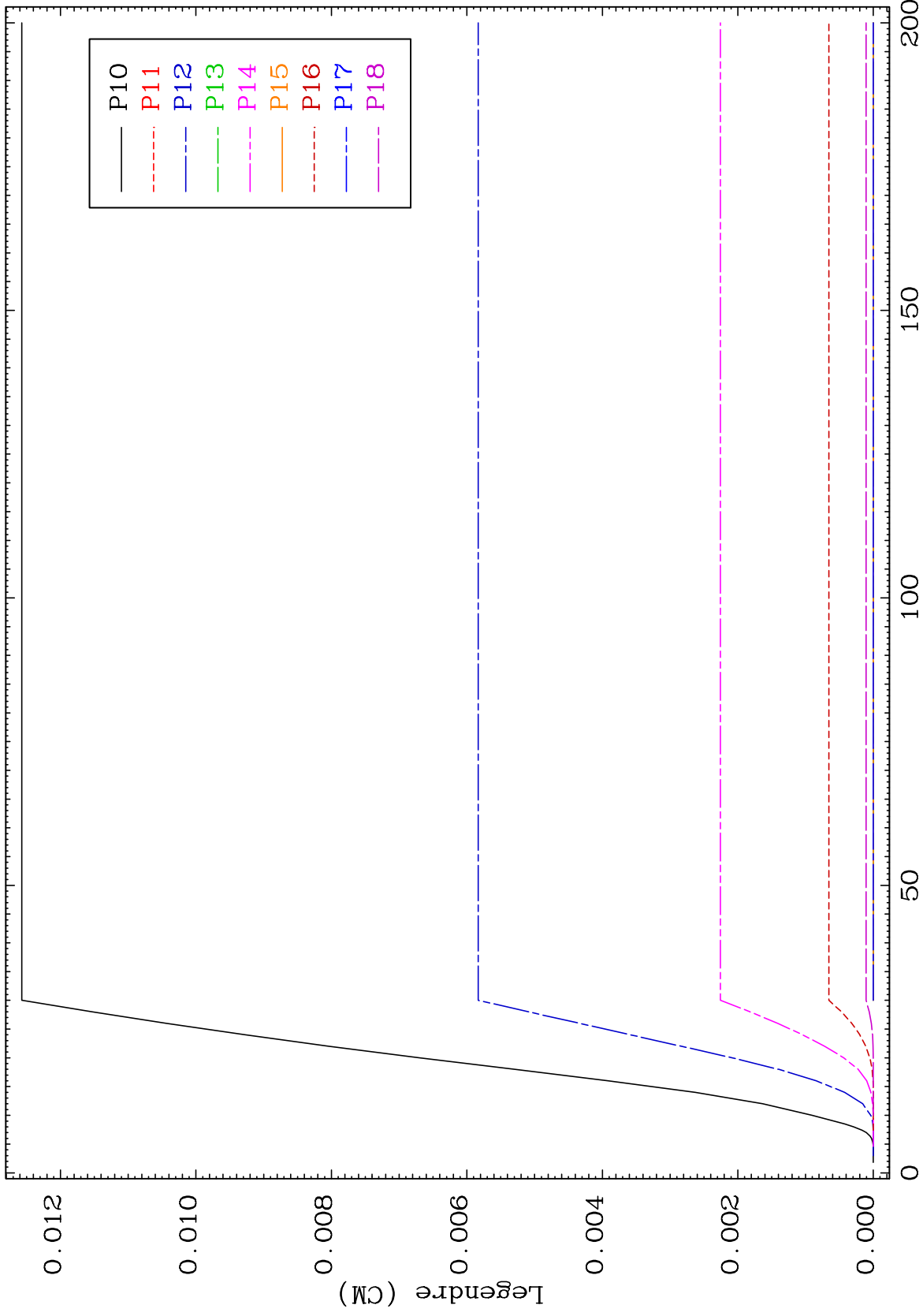




MAT 5507

MT= 61 (n,n') Level  
Legendre Coefficients

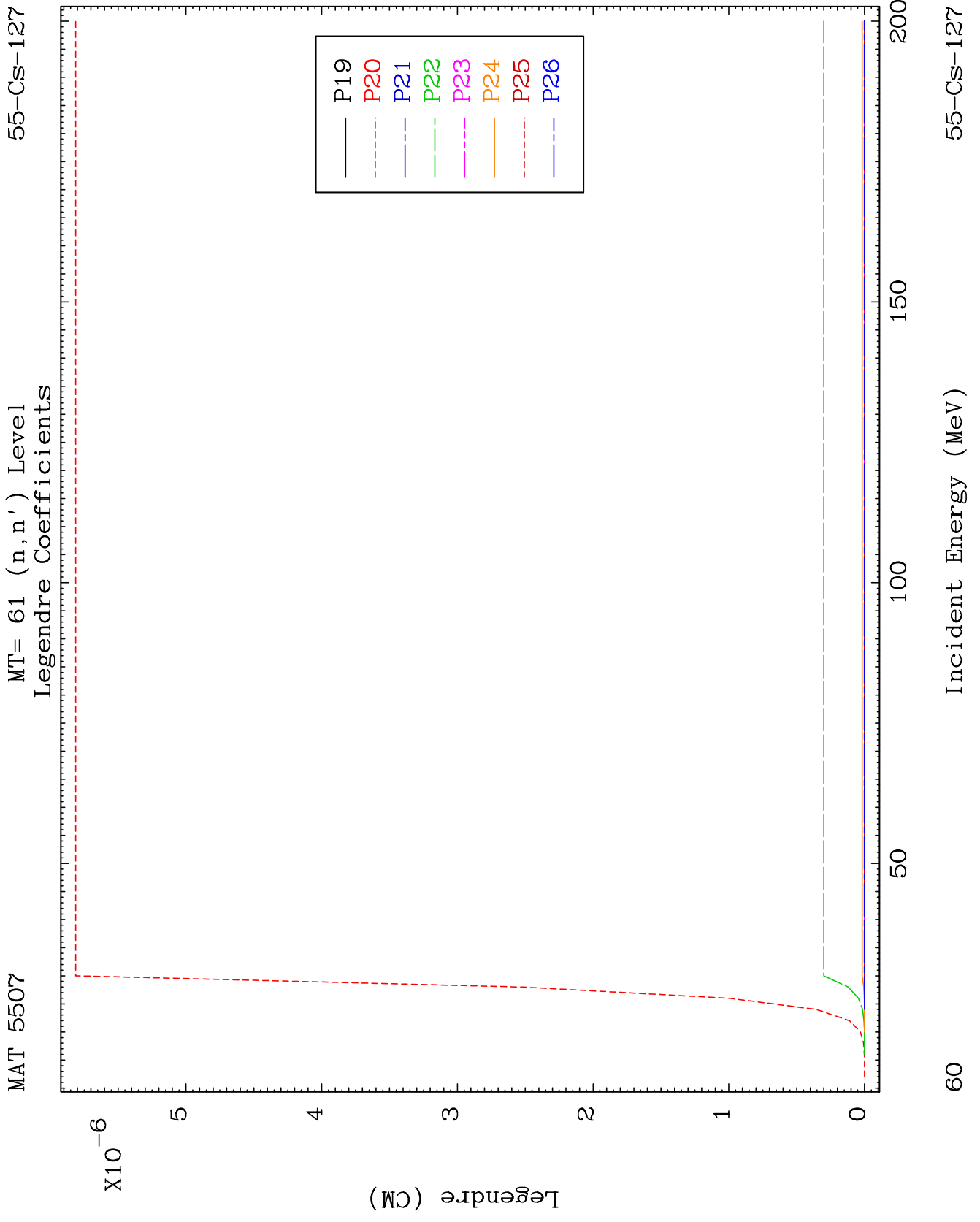
55-Cs-127



59

Incident Energy (MeV)

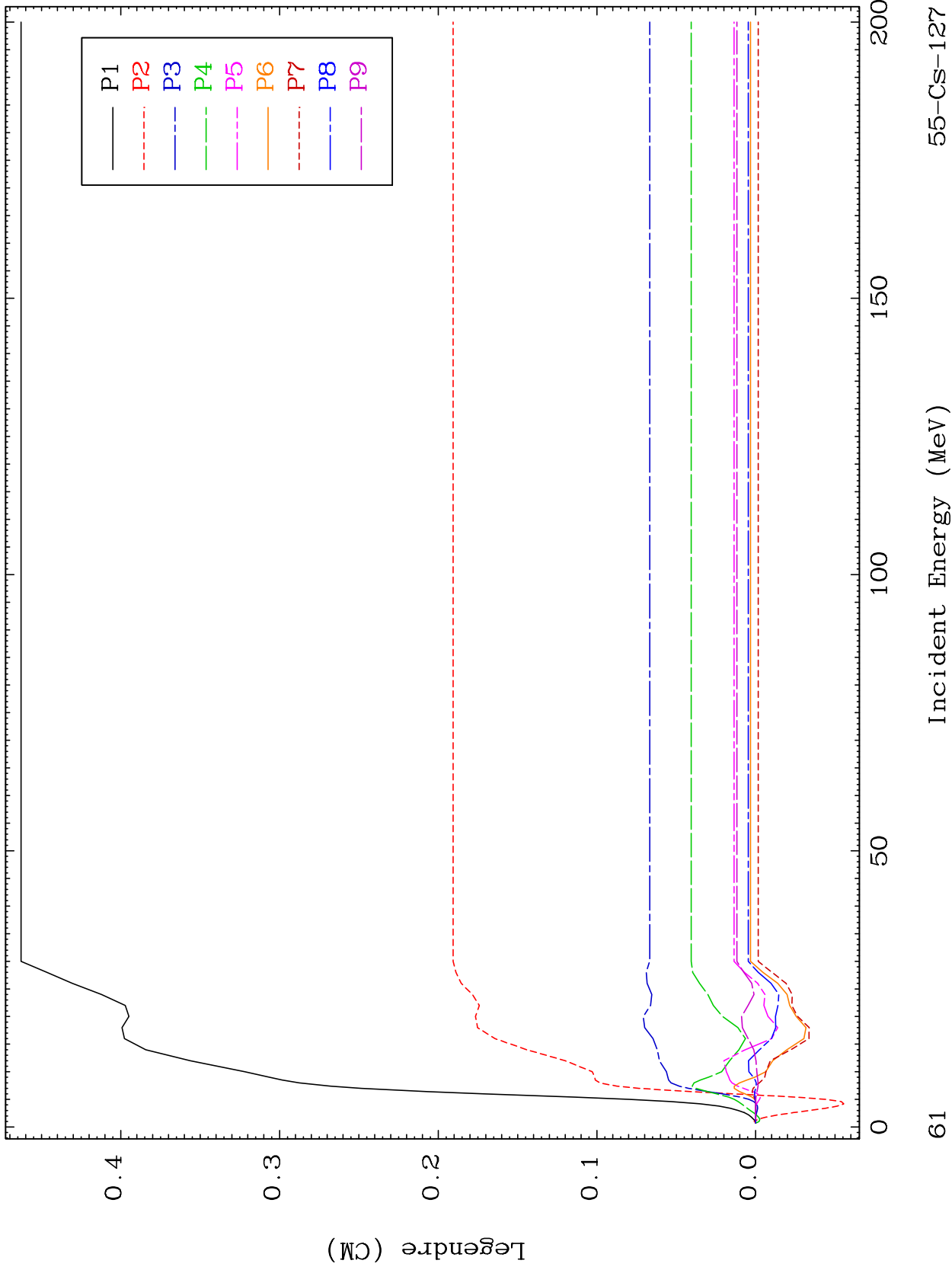
55-Cs-127



MAT 5507

MT= 62 (n,n') Level  
Legendre Coefficients

55-Cs-127

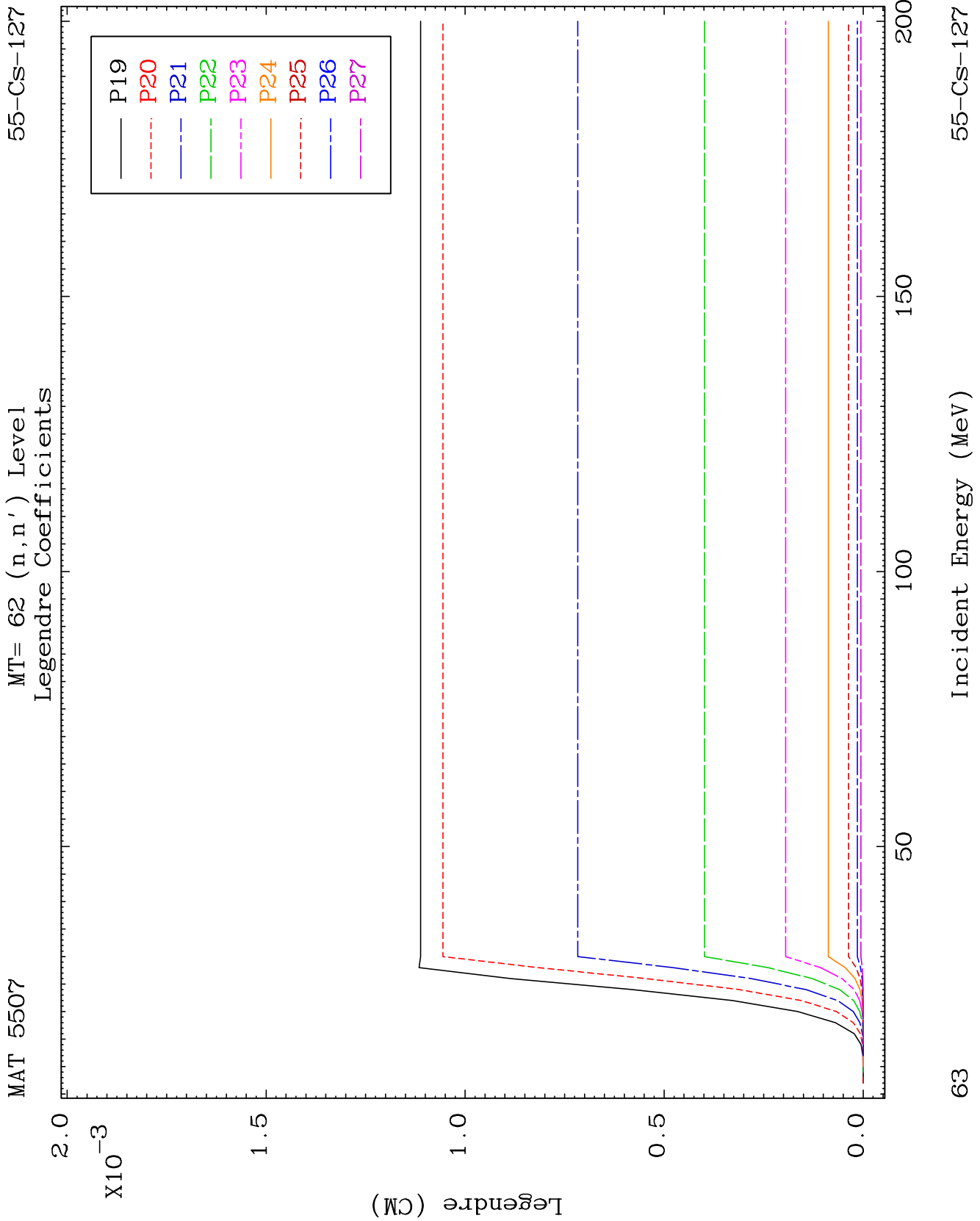


55-Cs-127

Incident Energy (MeV)

61



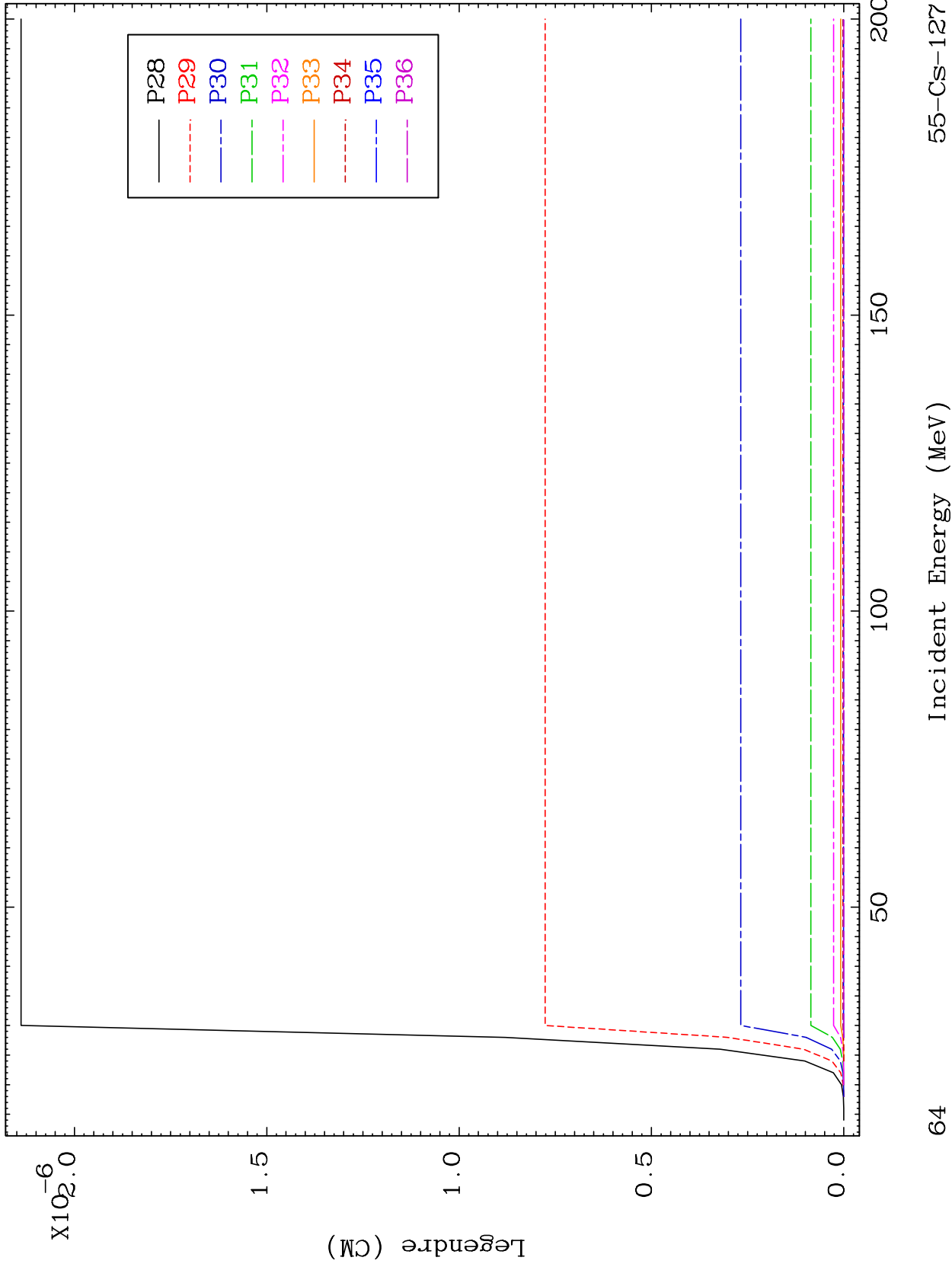




MAT 5507

MT= 62 (n,n') Level  
Legendre Coefficients

55-Cs-127



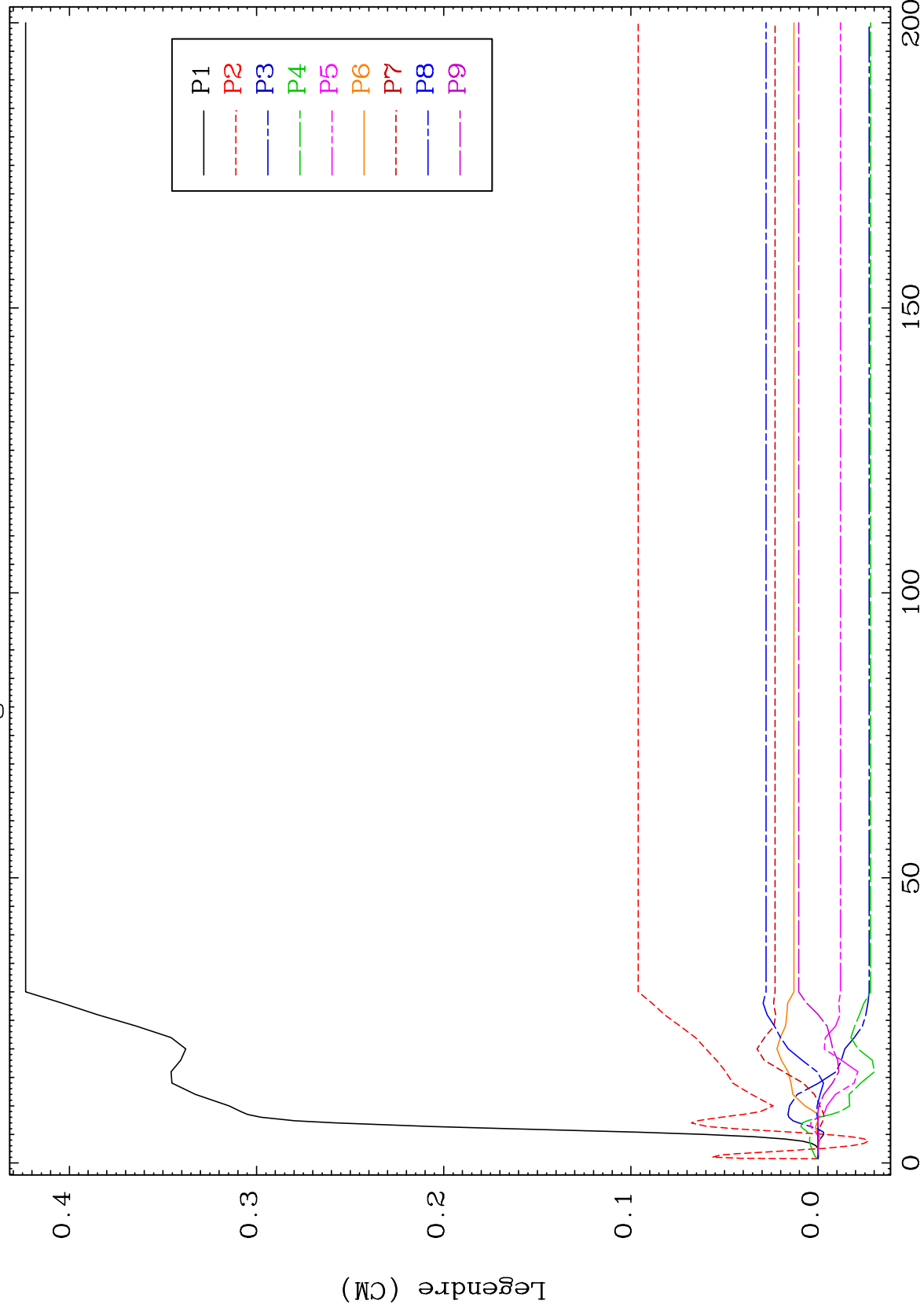
64

55-Cs-127

MAT 5507

MT= 63 (n,n') Level  
Legendre Coefficients

55-Cs-127



55-Cs-127

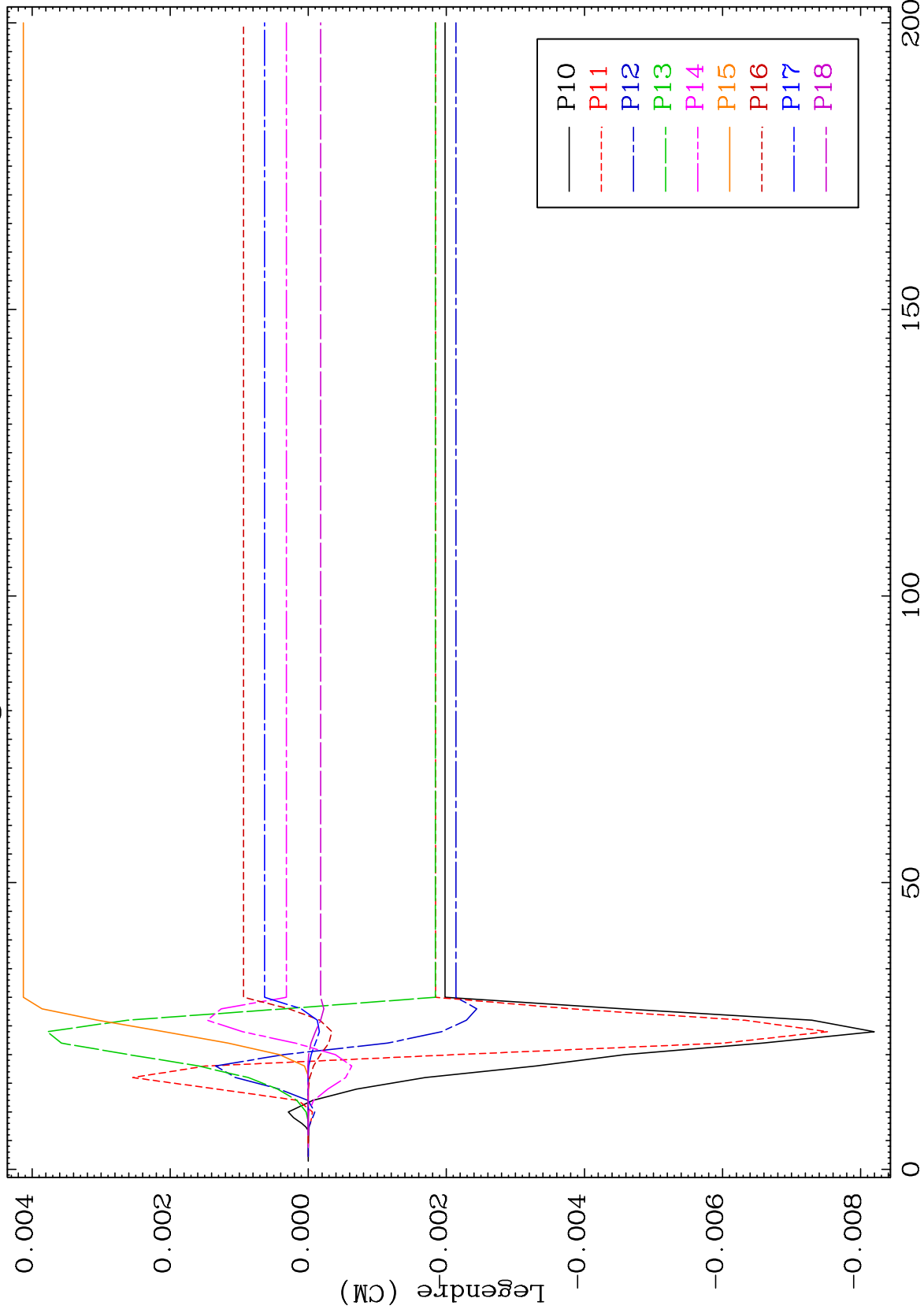
Incident Energy (MeV)

65

MAT 5507

MT= 63 (n,n') Level  
Legendre Coefficients

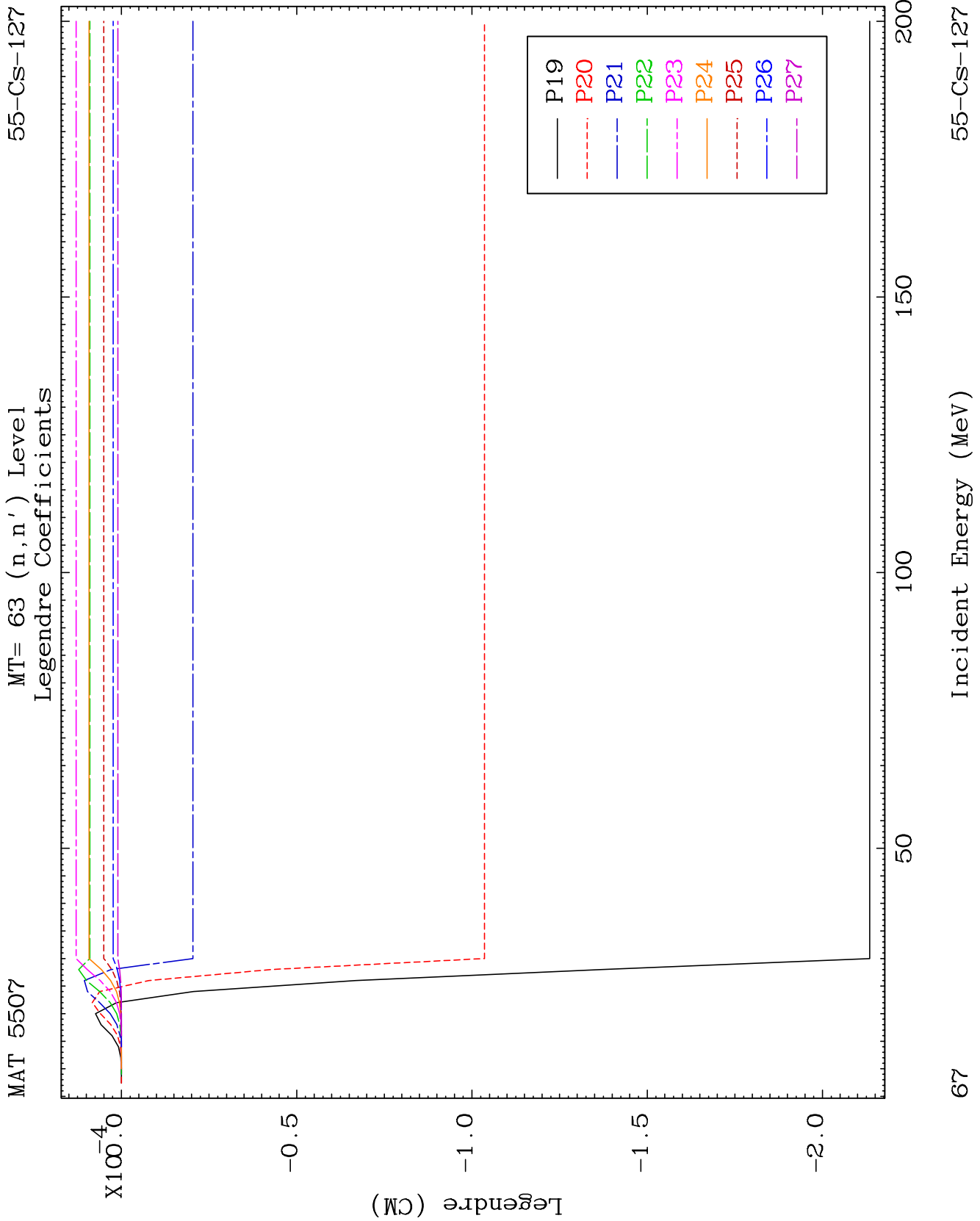
55-Cs-127



66

Incident Energy (MeV)

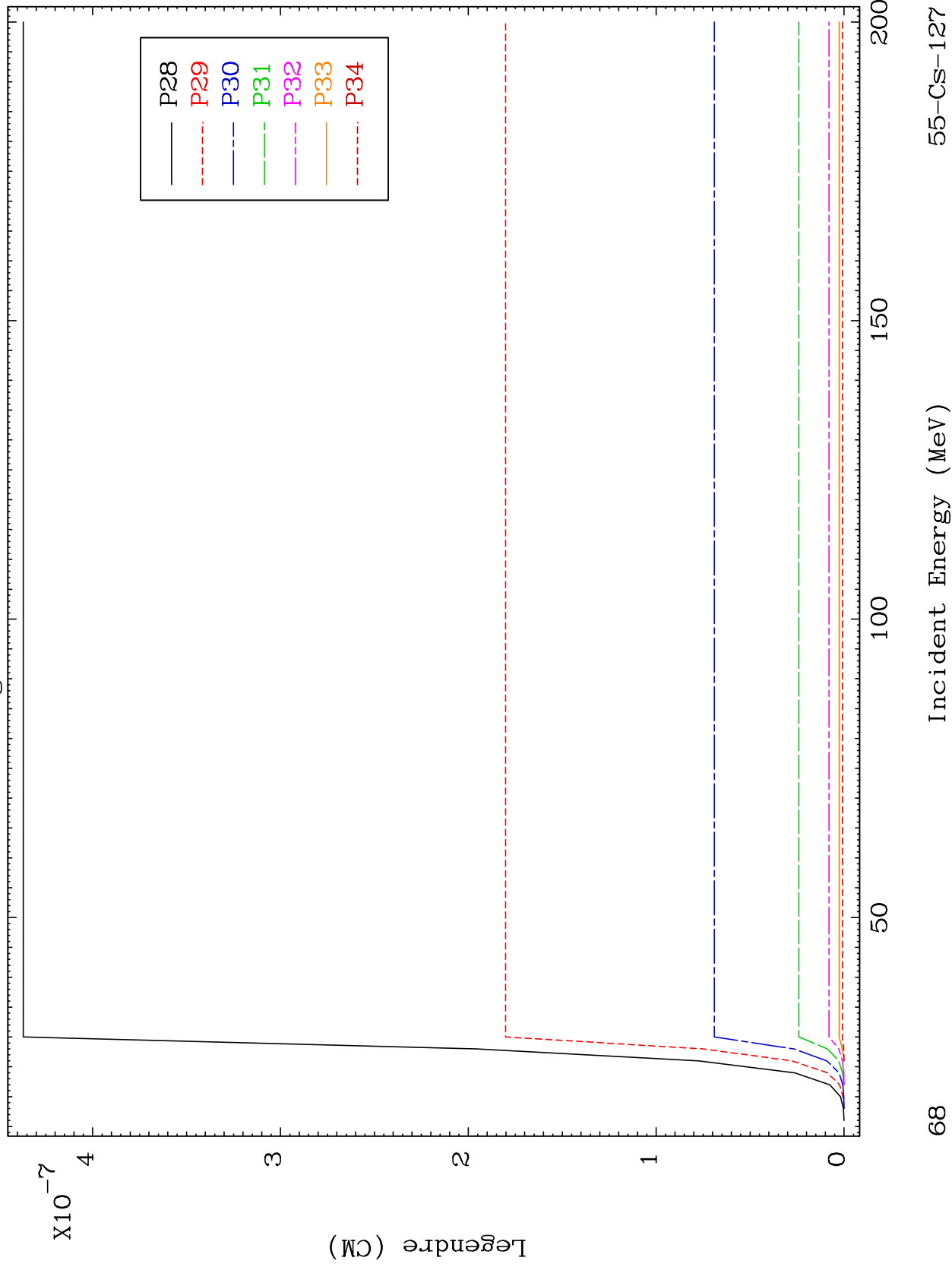
55-Cs-127

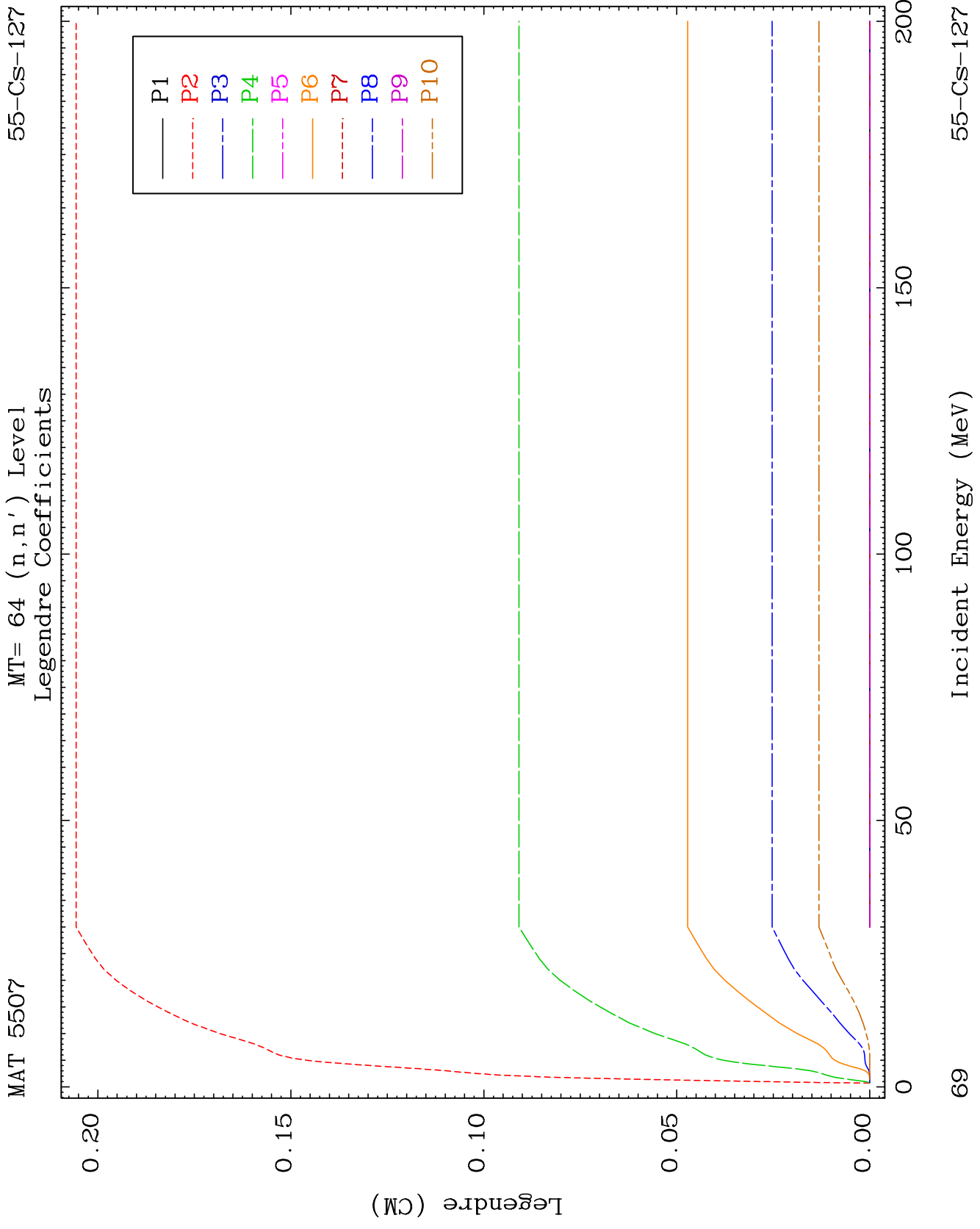


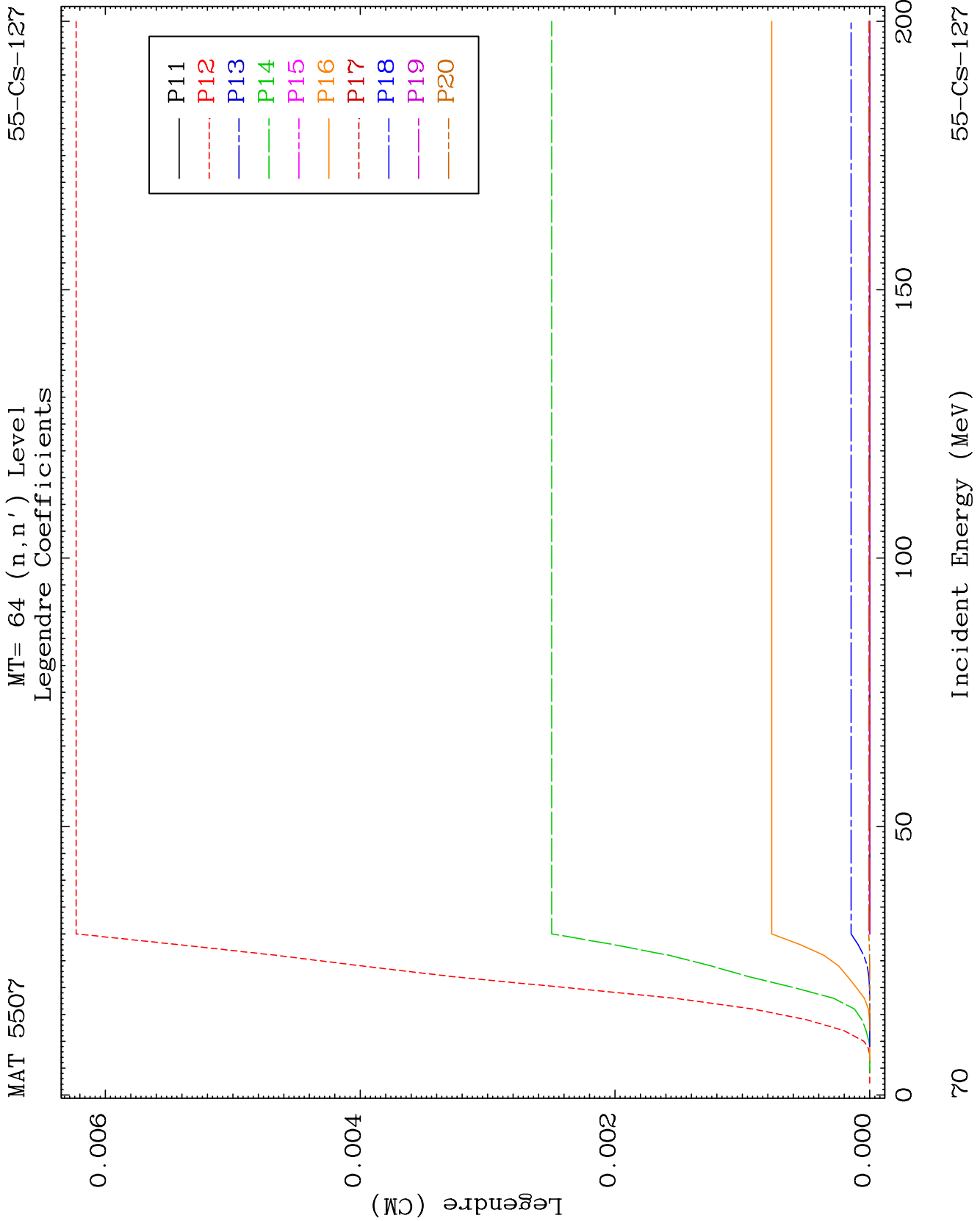
MAT 5507

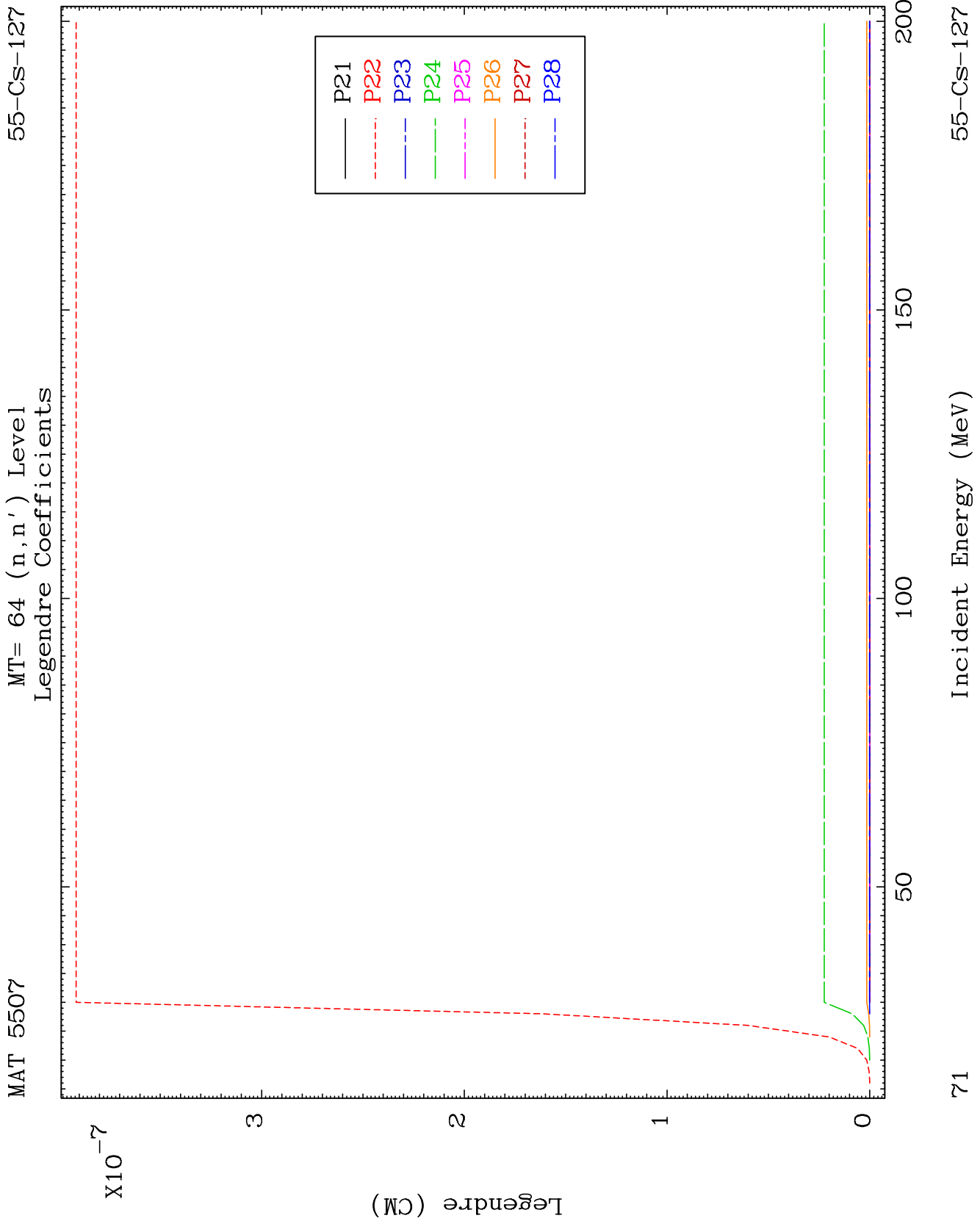
MT= 63 (n,n') Level  
Legendre Coefficients

55-Cs-127









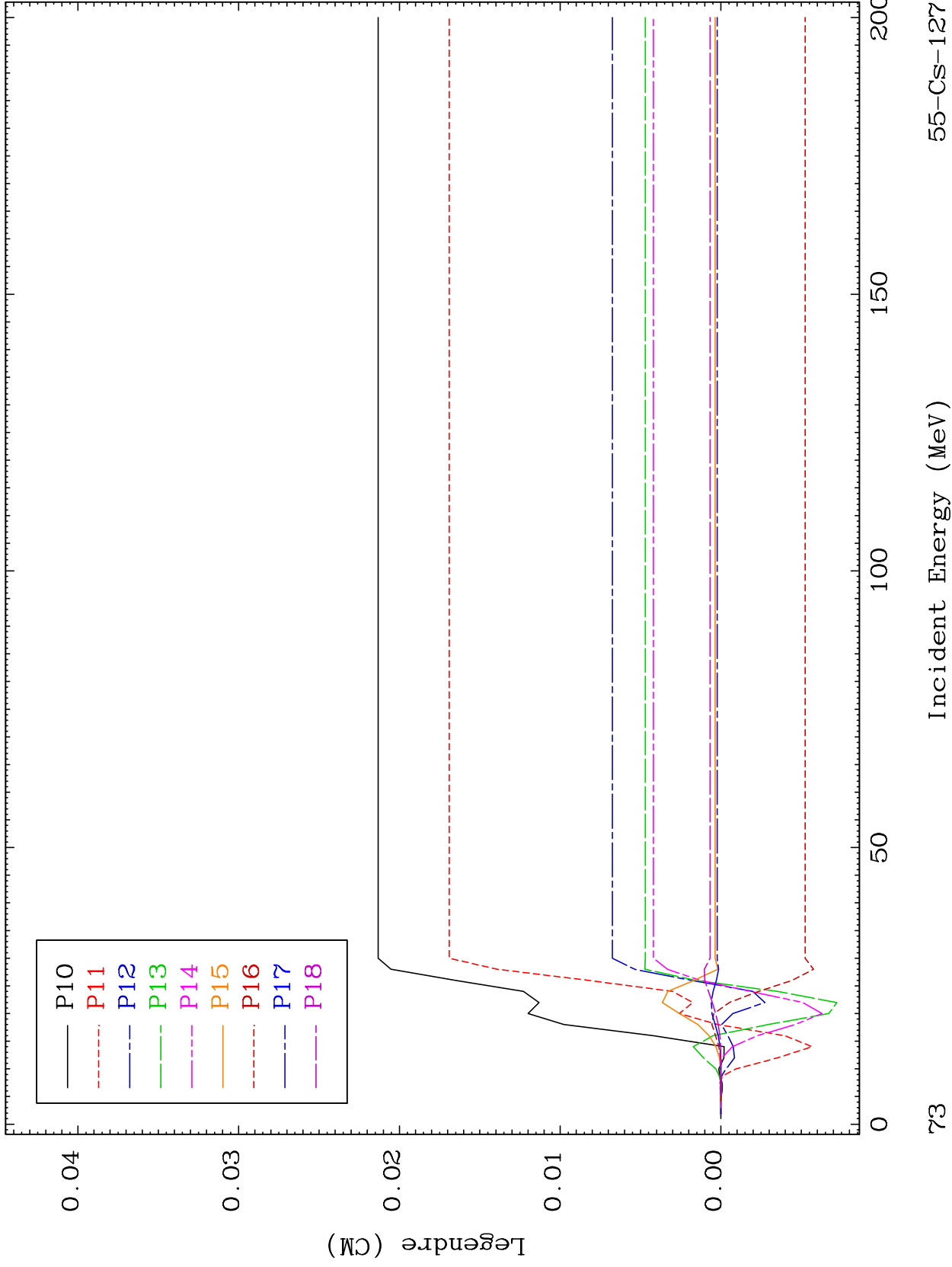




MAT 5507

MT= 65 (n,n') Level  
Legendre Coefficients

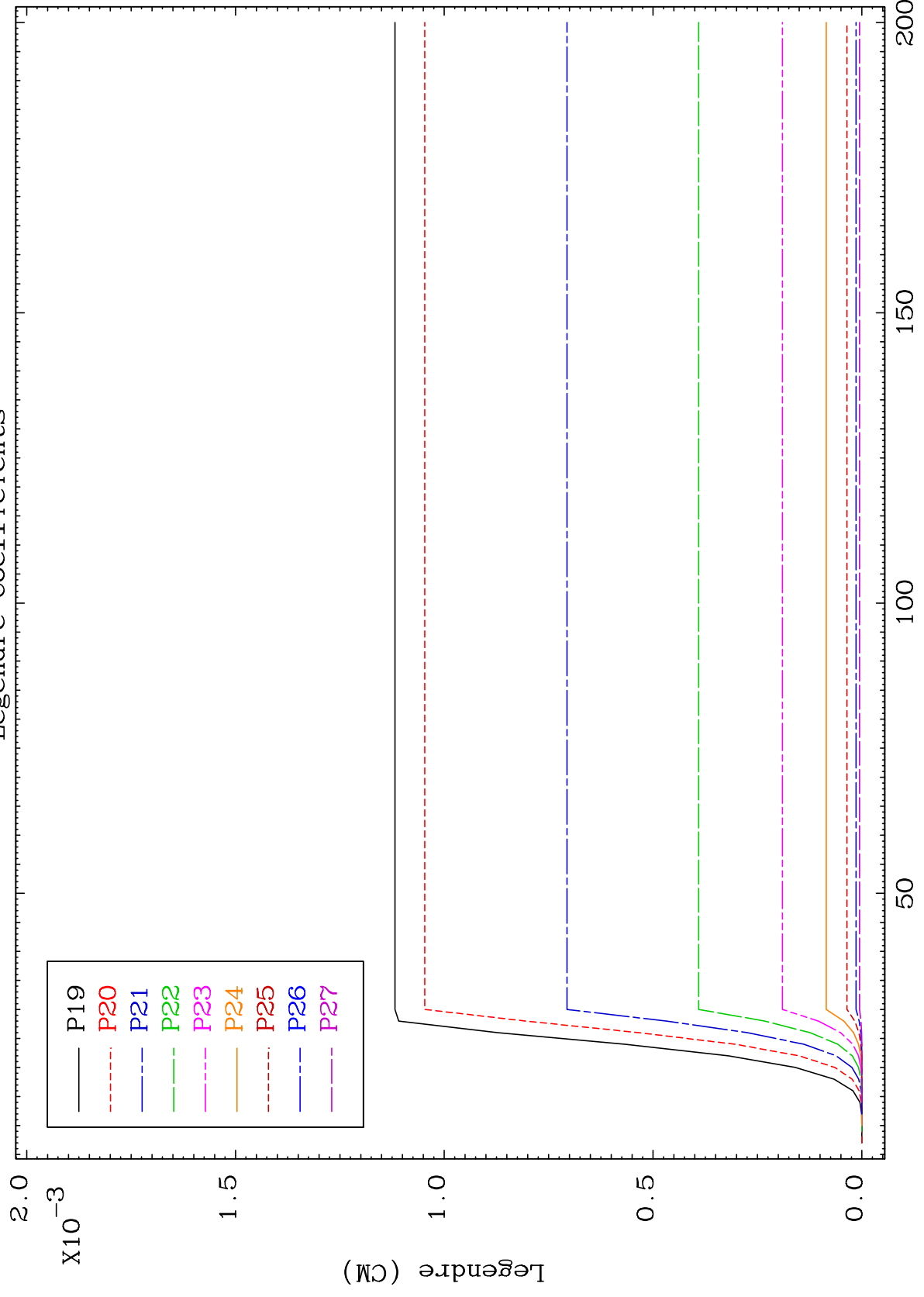
55-Cs-127



MAT 5507

MT= 65 (n,n') Level  
Legendre Coefficients

55-Cs-127



74

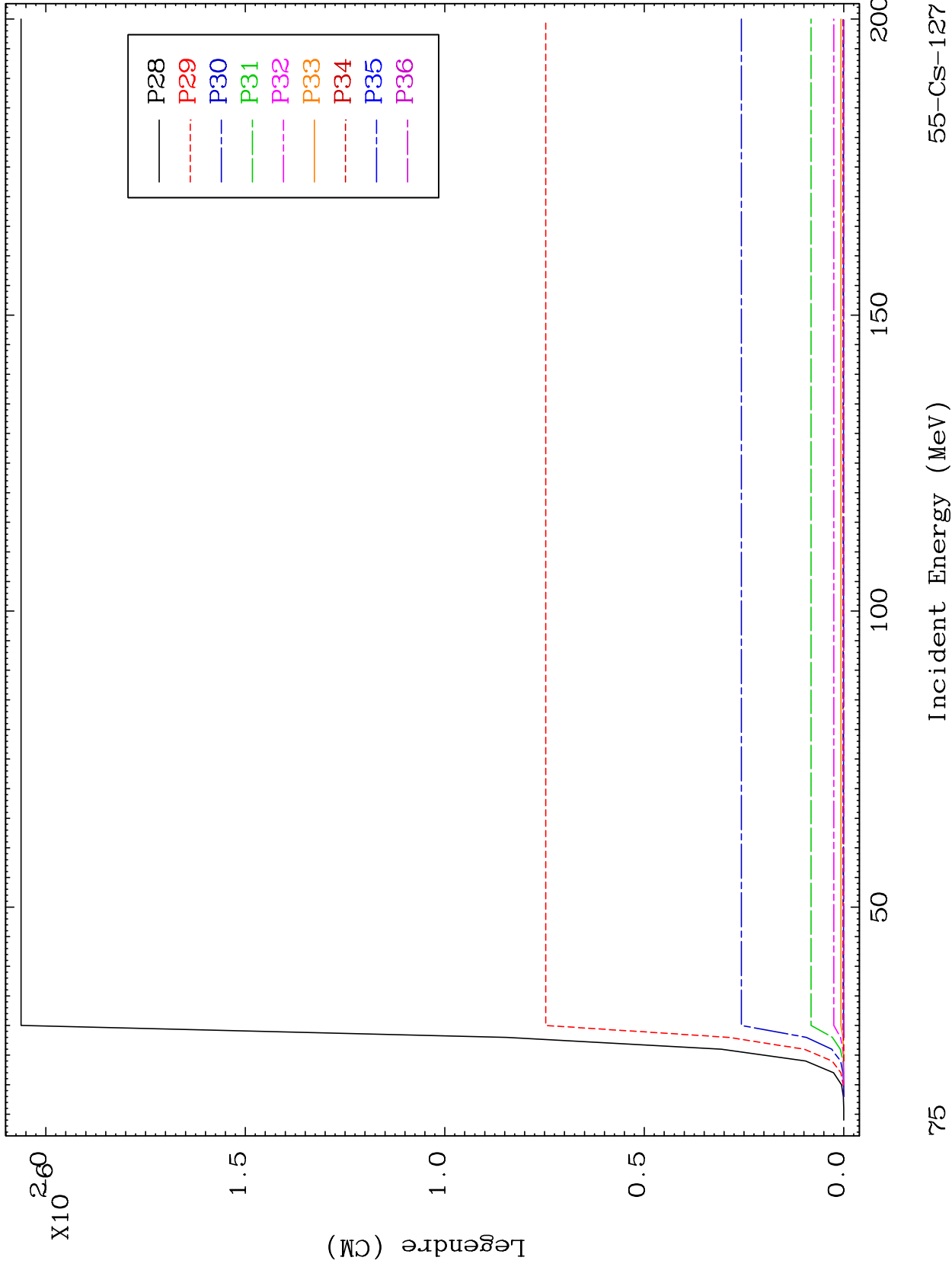
Incident Energy (MeV)

55-Cs-127

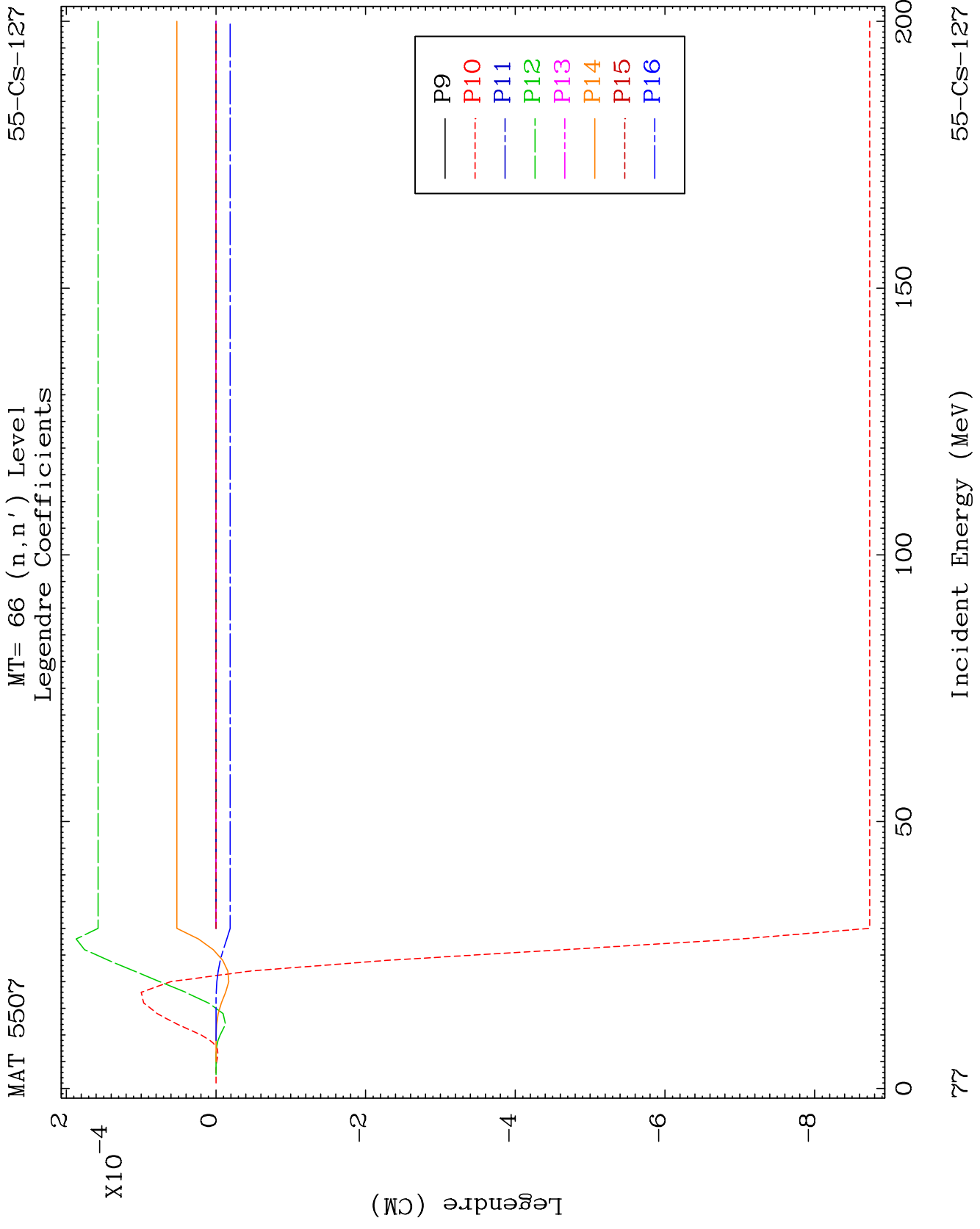
MAT 5507

MT= 65 (n,n') Level  
Legendre Coefficients

55-Cs-127



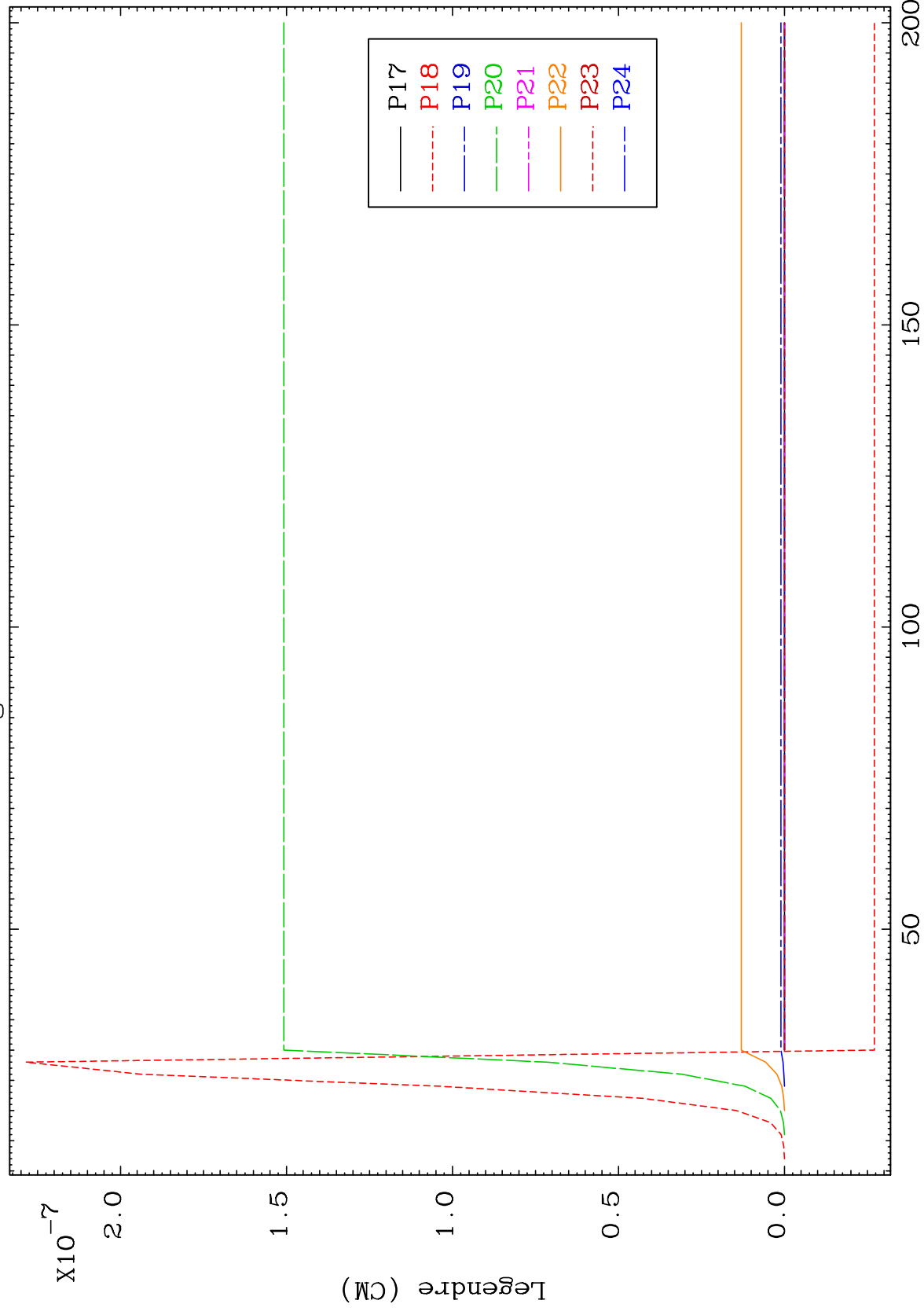




MAT 5507

MT= 66 (n,n') Level  
Legendre Coefficients

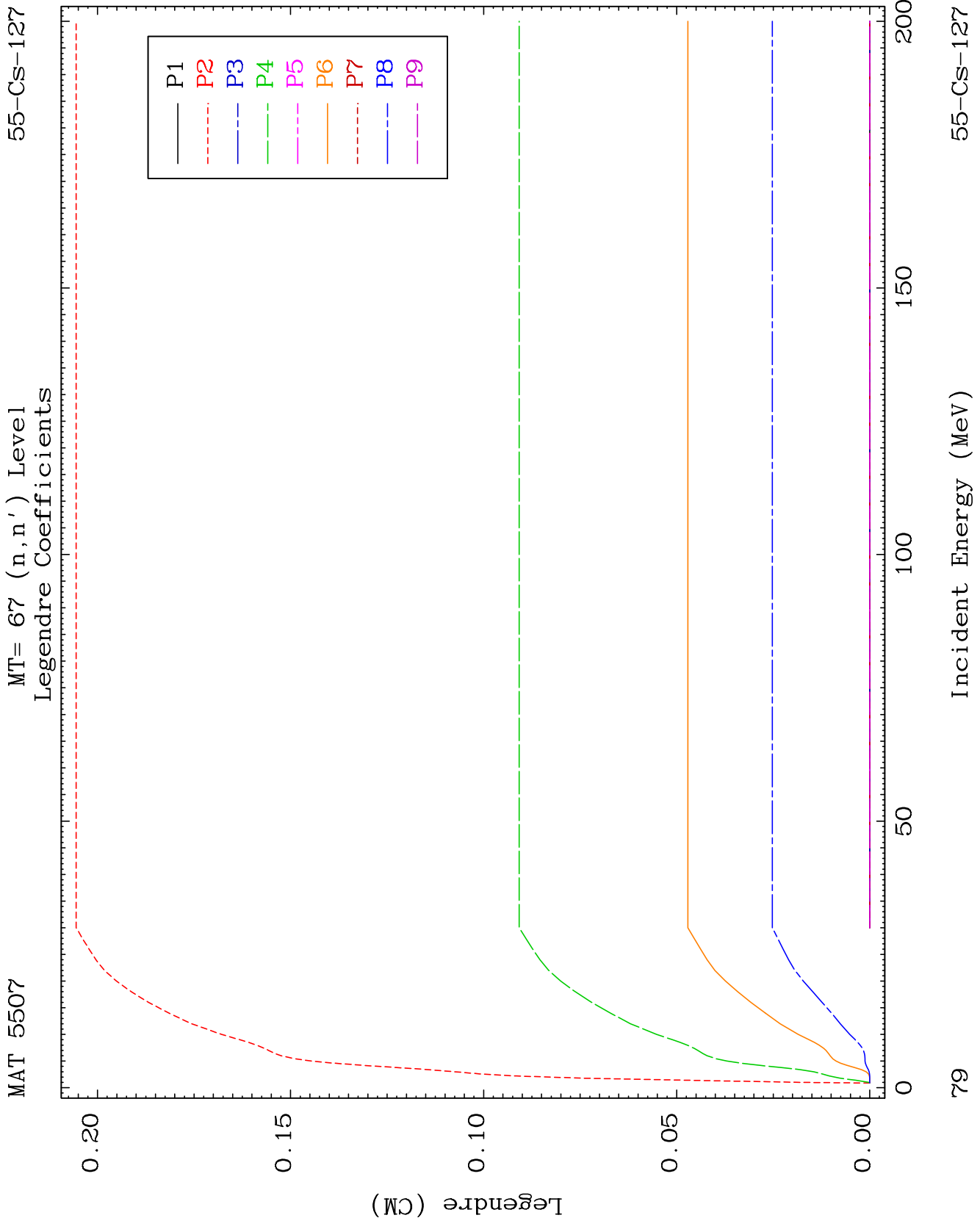
55-Cs-127



78

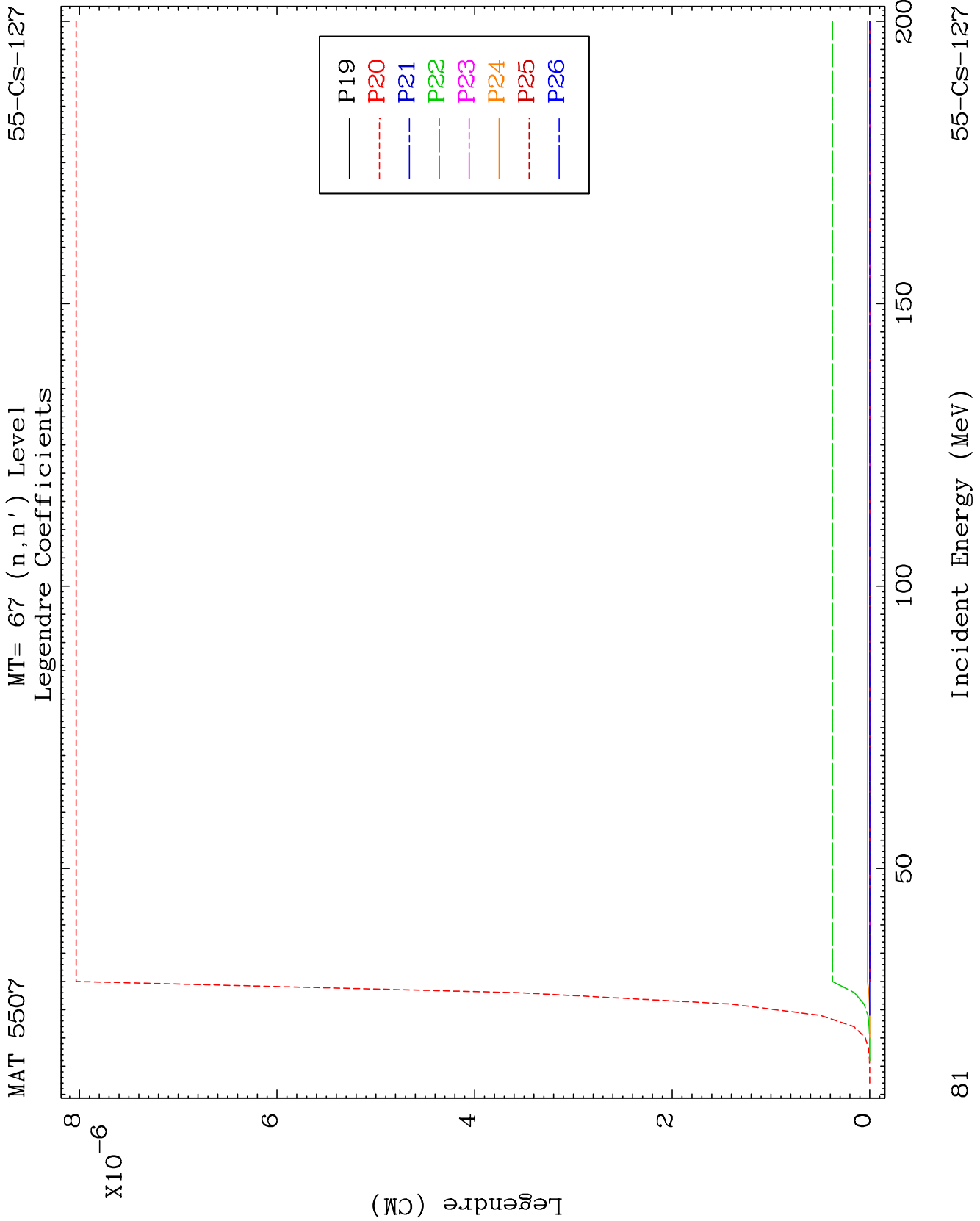
Incident Energy (MeV)

55-Cs-127





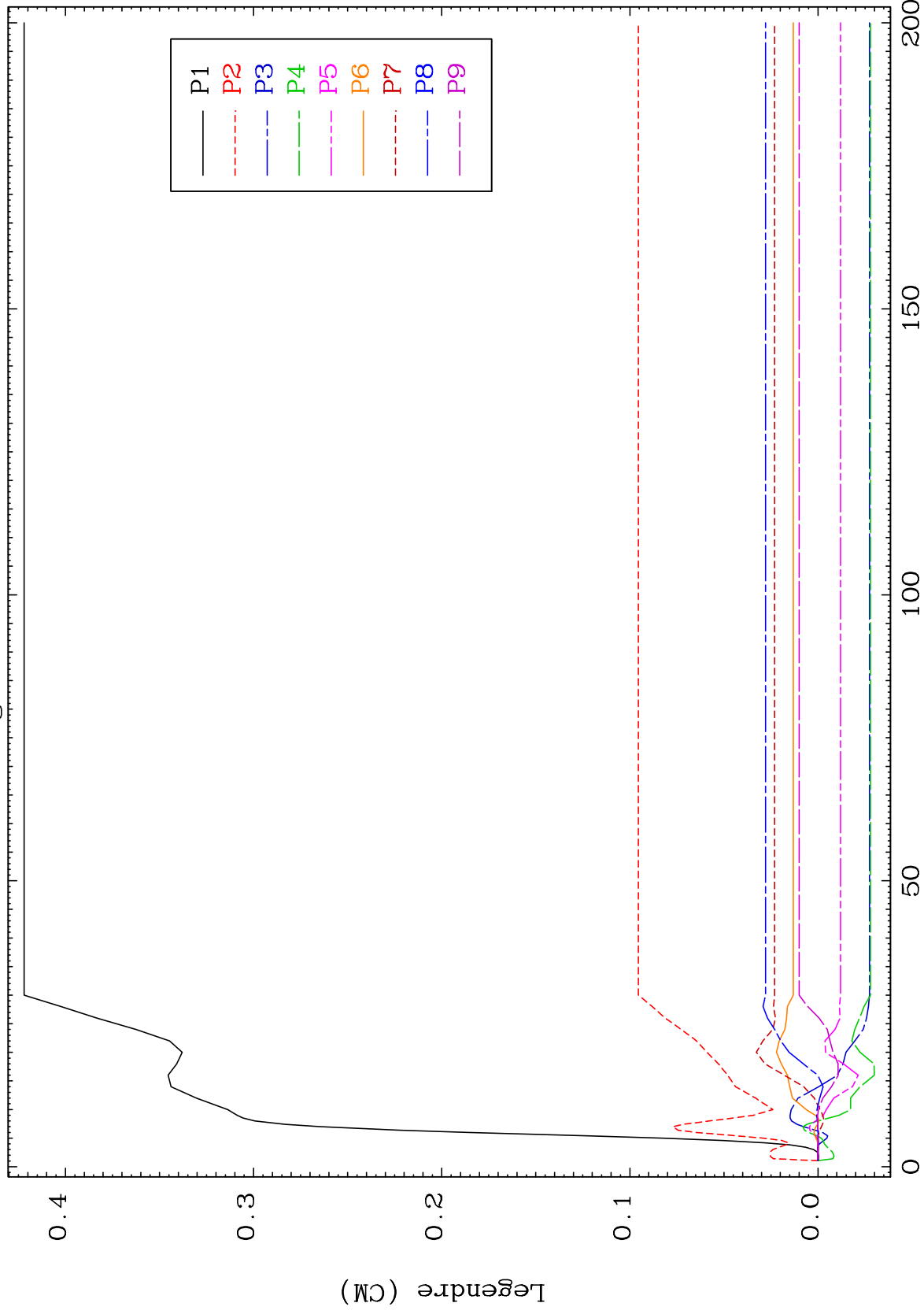




MAT 5507

MT= 68 (n,n') Level  
Legendre Coefficients

55-Cs-127



82

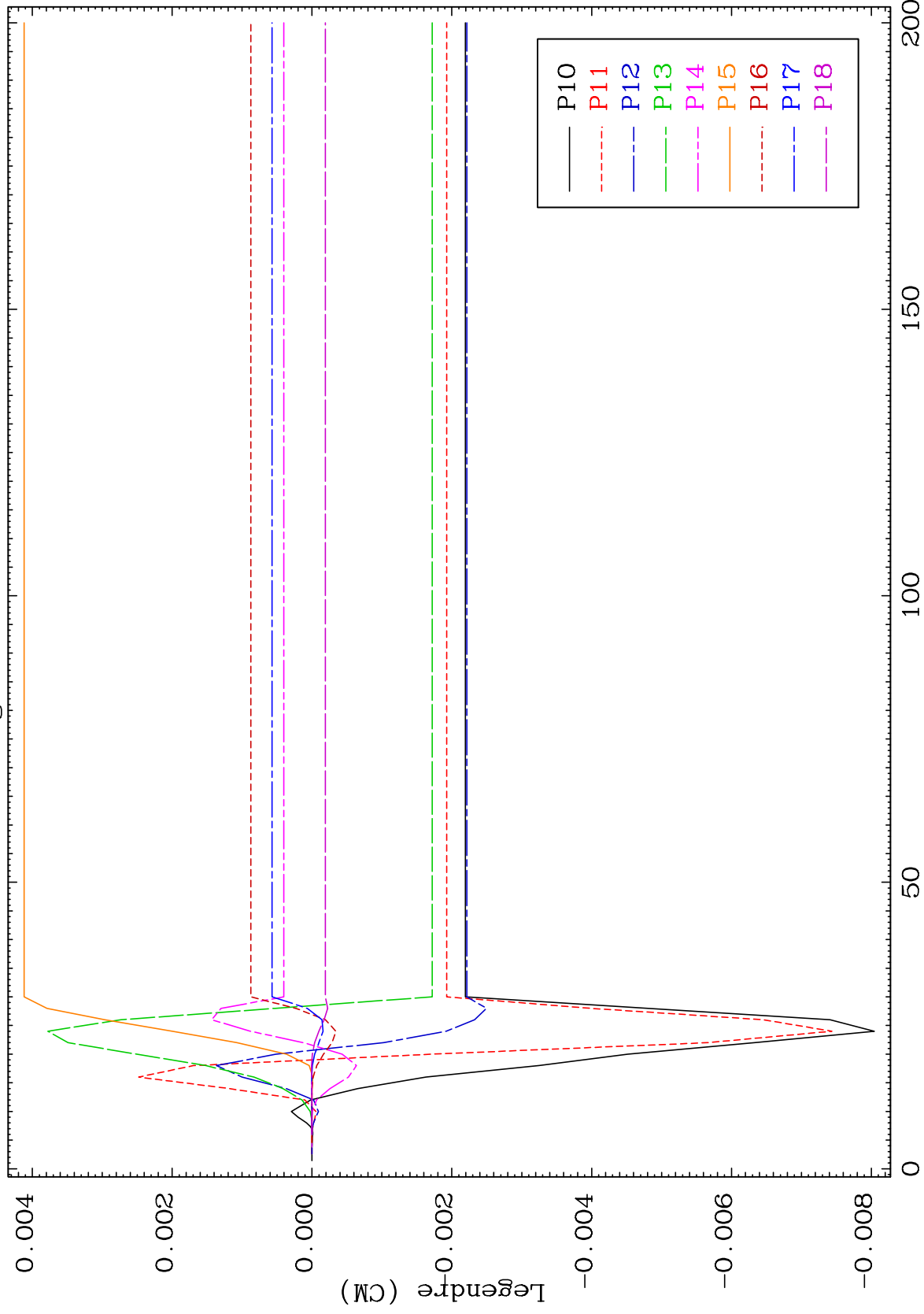
Incident Energy (MeV)

55-Cs-127

MAT 5507

MT= 68 (n,n') Level  
Legendre Coefficients

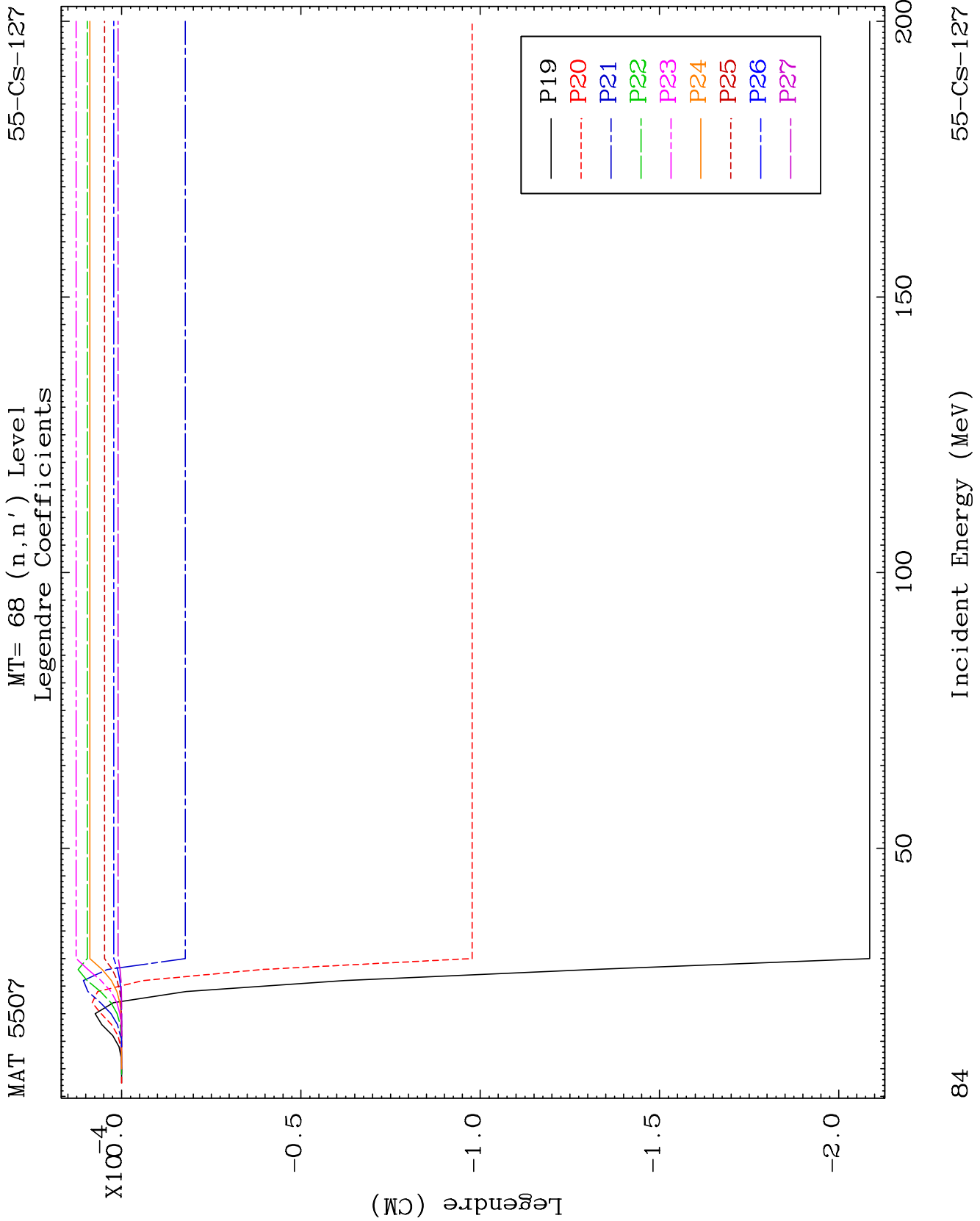
55-Cs-127



83

Incident Energy (MeV)

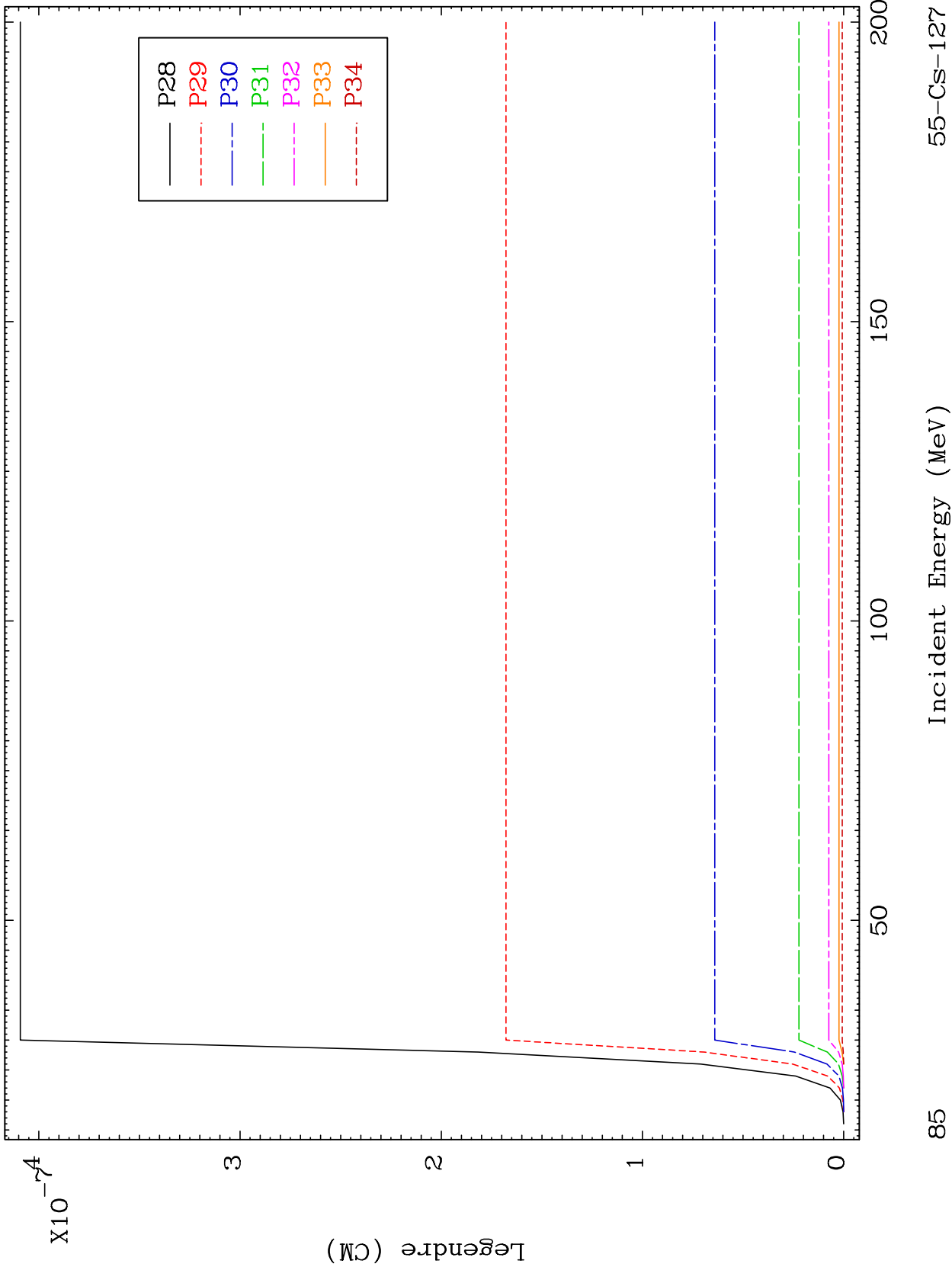
55-Cs-127



MAT 5507

MT= 68 (n,n') Level  
Legendre Coefficients

55-Cs-127



85

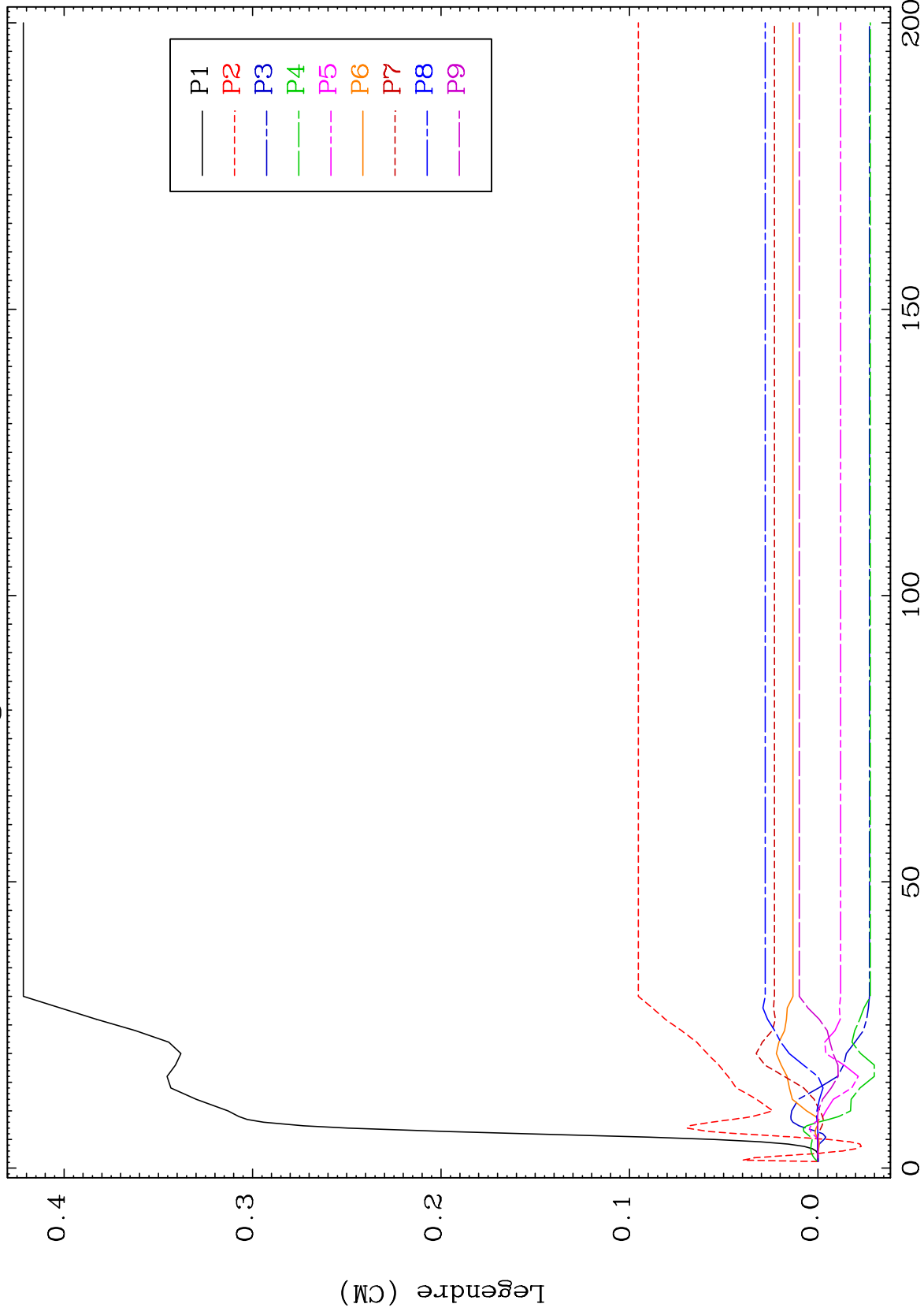
Incident Energy (MeV)

55-Cs-127

MAT 5507

MT= 69 (n,n') Level  
Legendre Coefficients

55-Cs-127



86

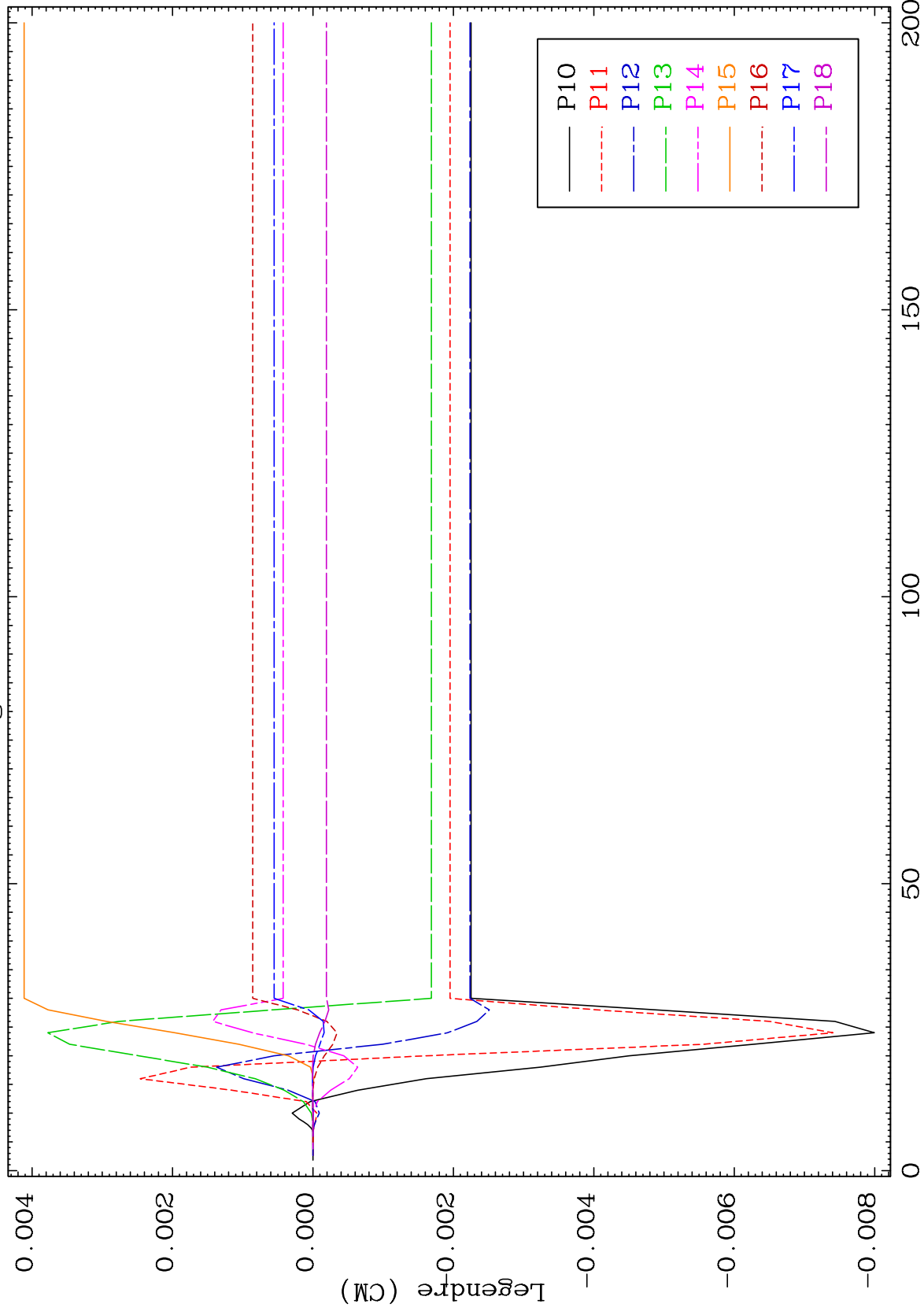
Incident Energy (MeV)

55-Cs-127

MAT 5507

MT= 69 (n,n') Level  
Legendre Coefficients

55-Cs-127



87

Incident Energy (MeV)

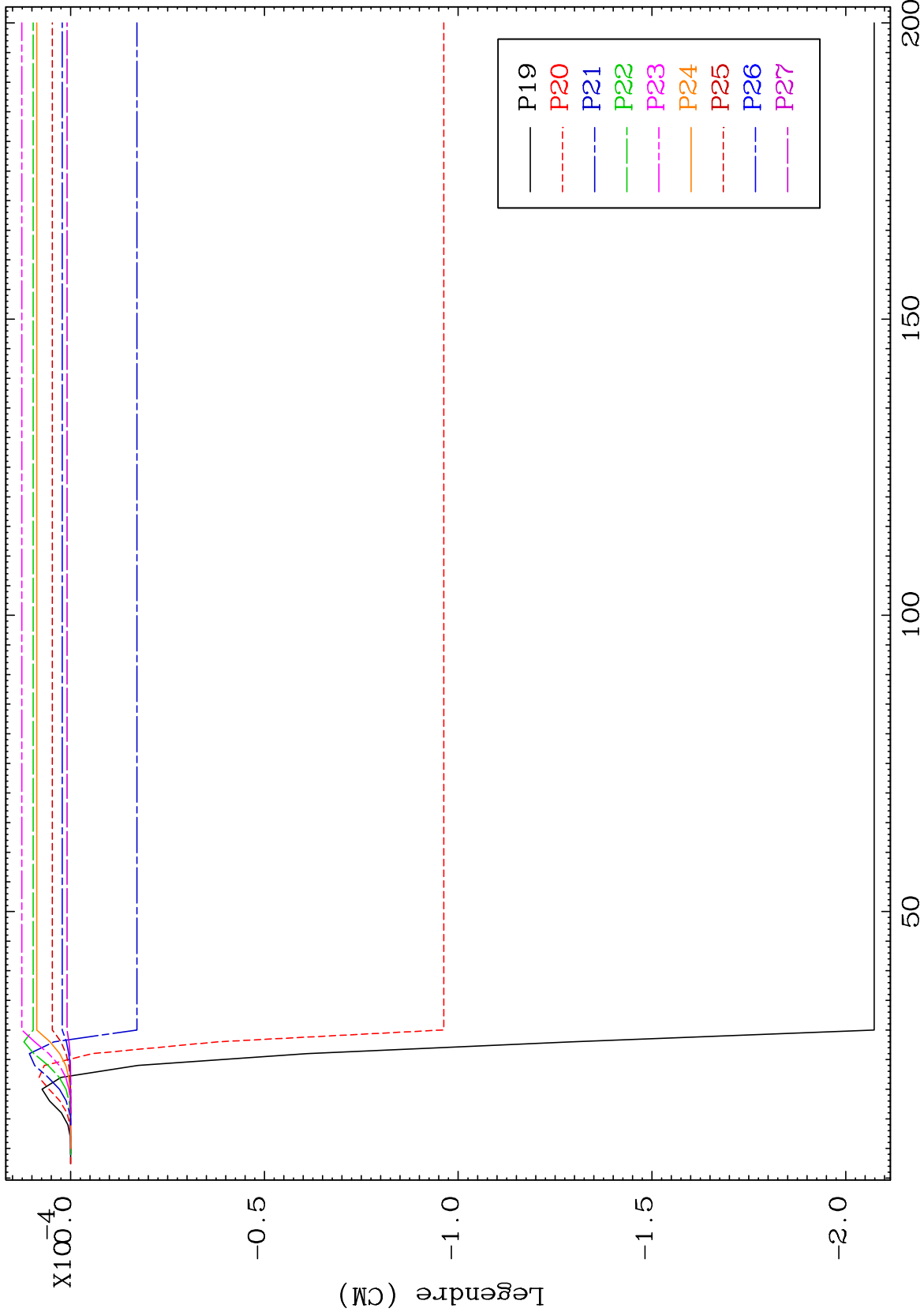
55-Cs-127



MAT 5507

MT= 69 (n,n') Level  
Legendre Coefficients

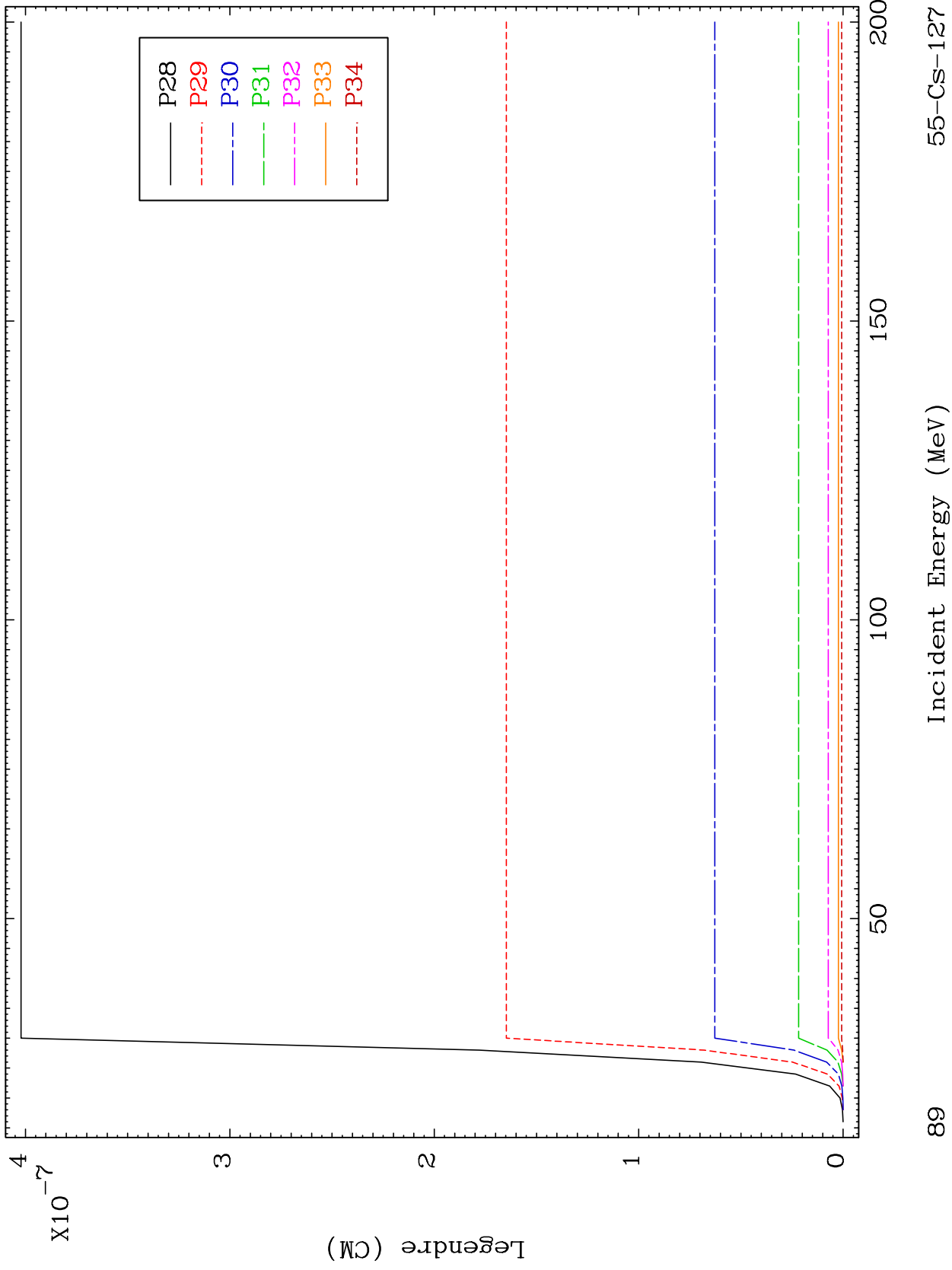
55-Cs-127

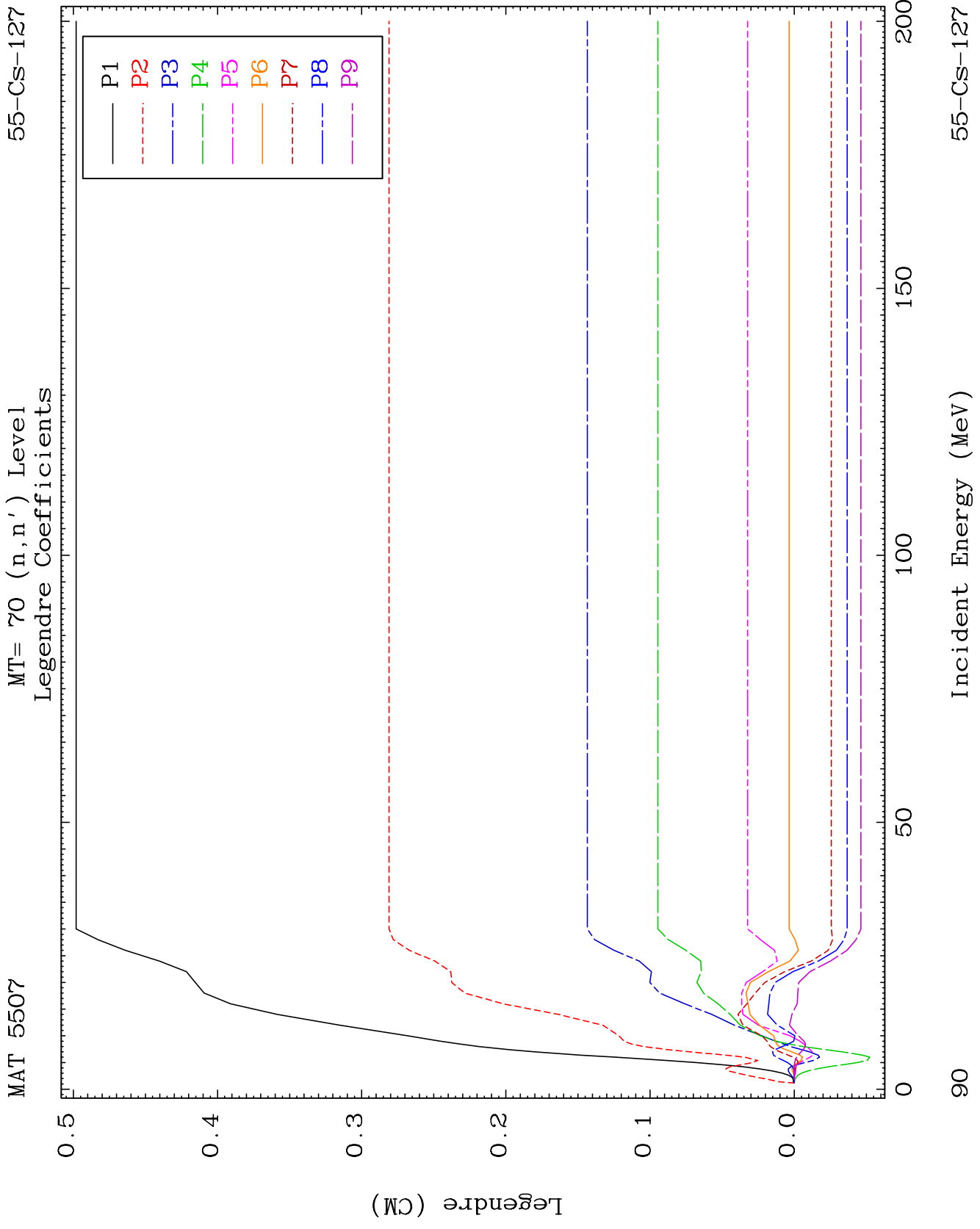


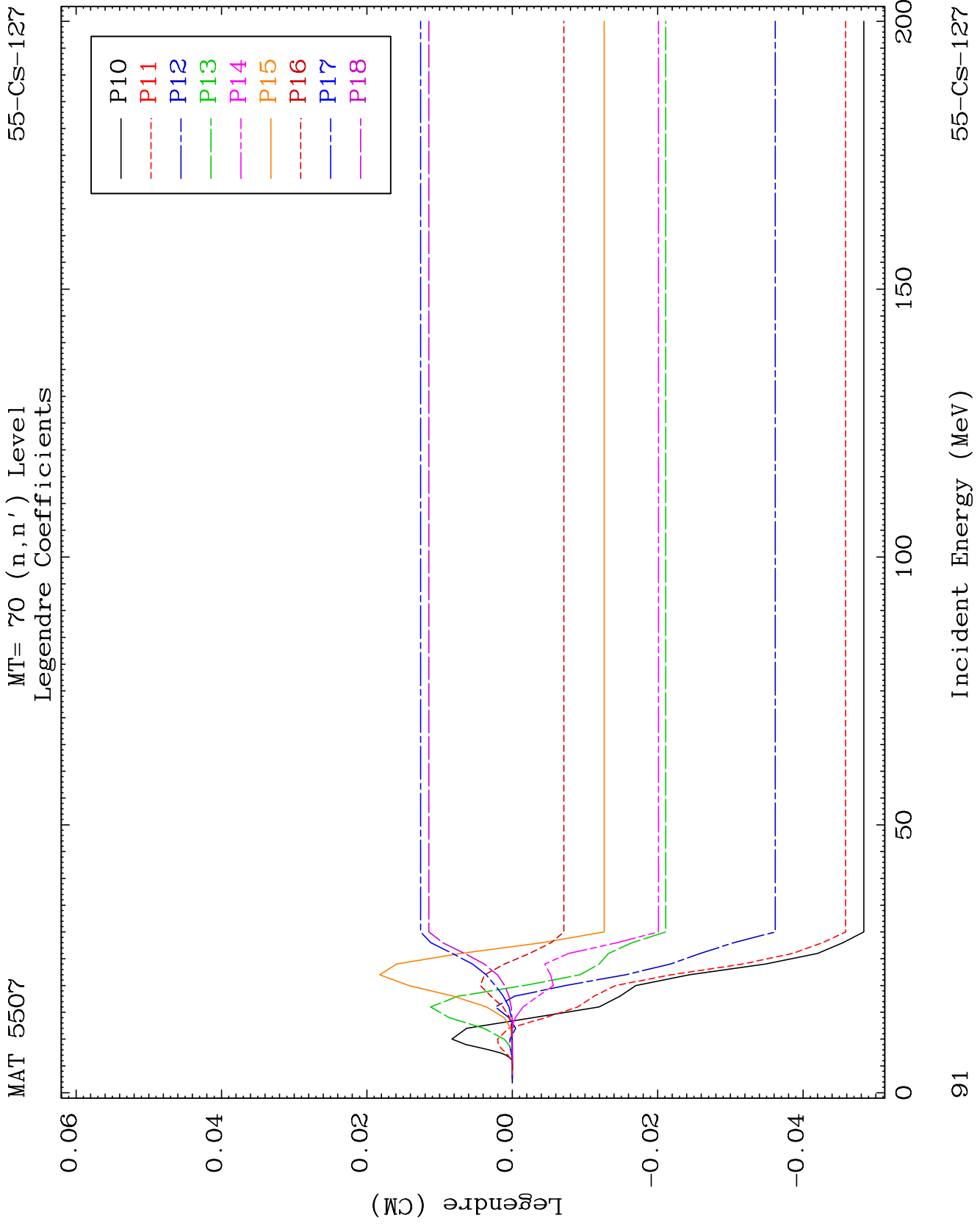
MAT 5507

MT= 69 (n,n') Level  
Legendre Coefficients

55-Cs-127





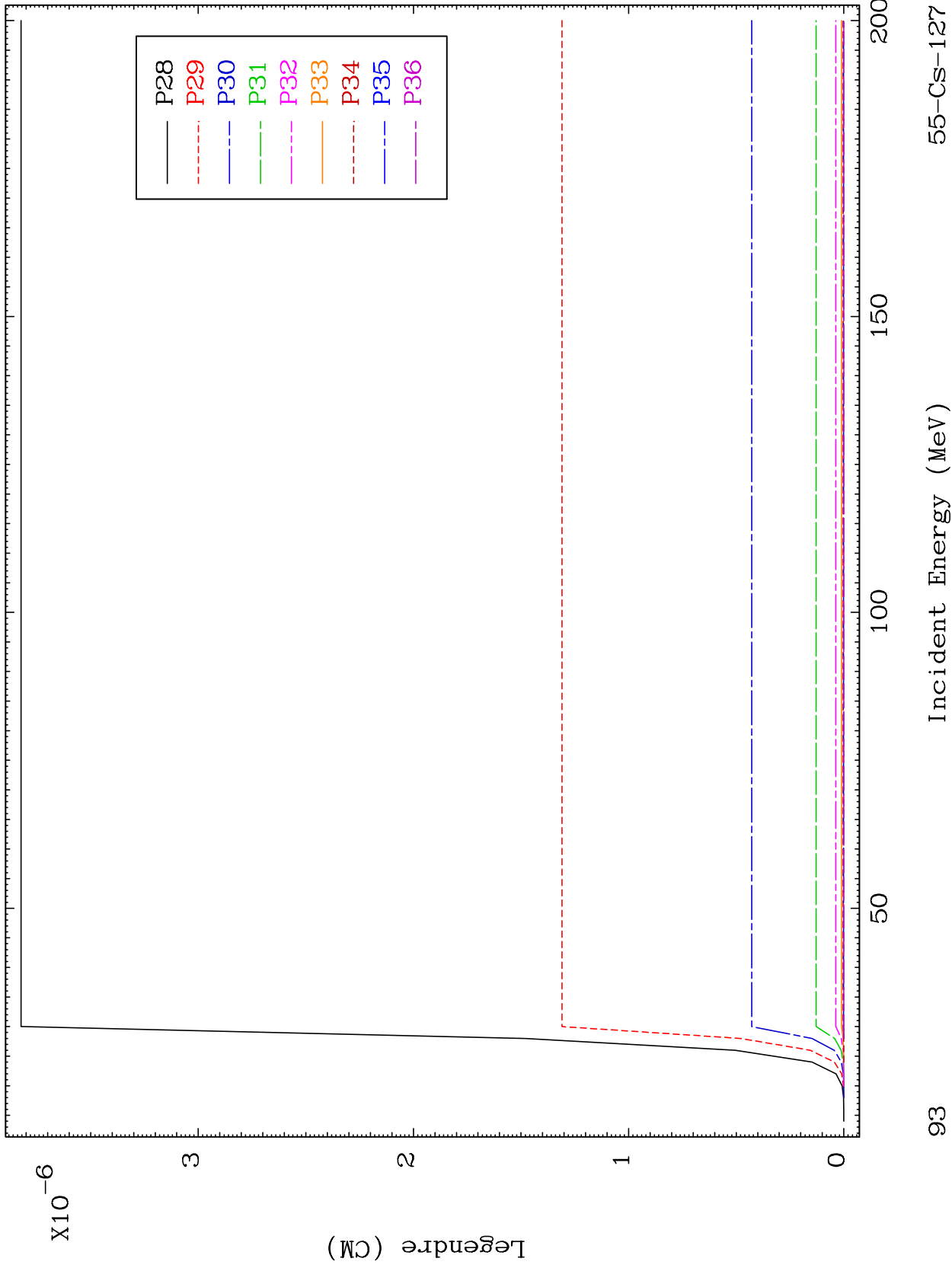




MAT 5507

MT= 70 (n,n') Level  
Legendre Coefficients

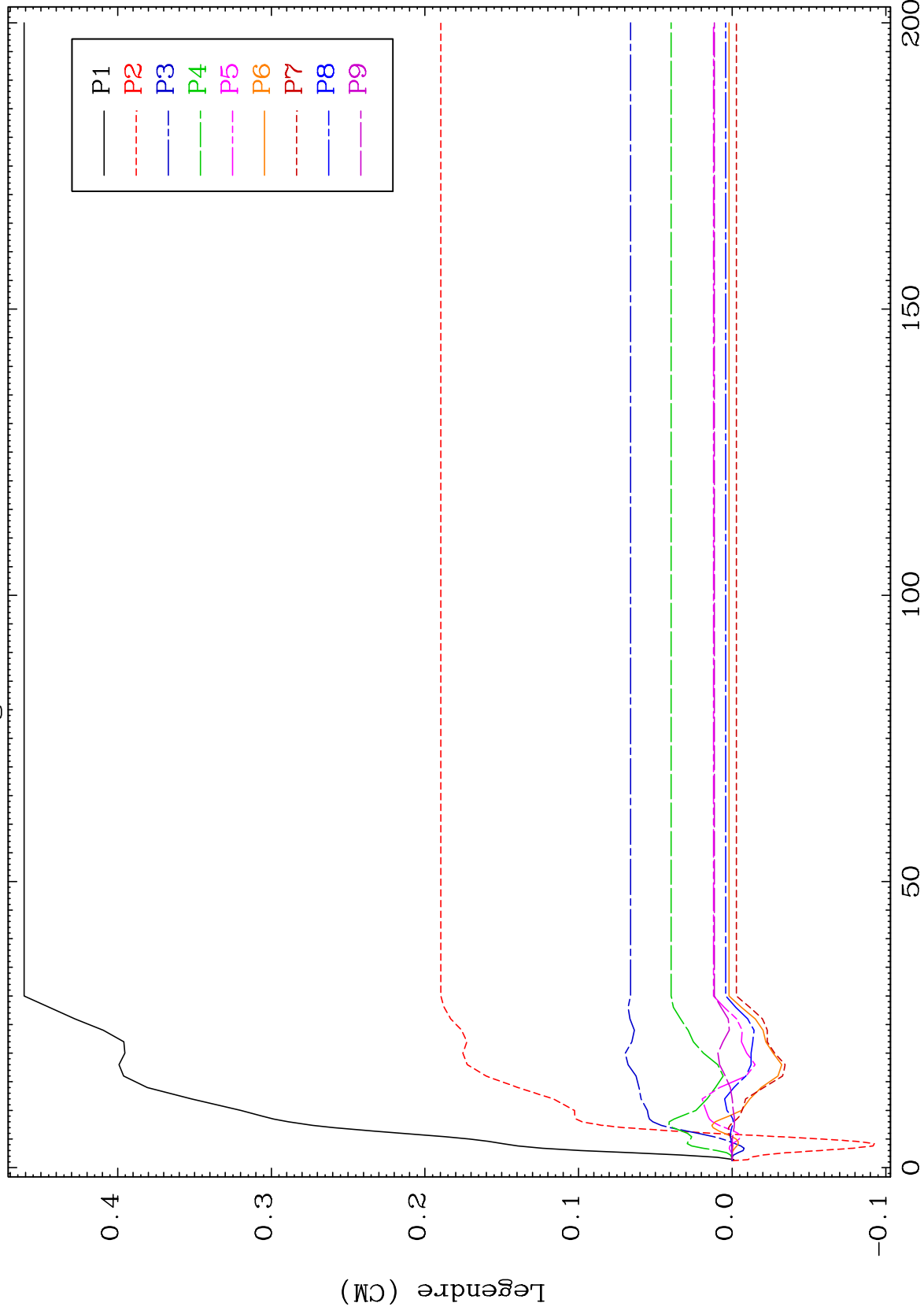
55-Cs-127



MAT 5507

MT= 71 (n,n') Level  
Legendre Coefficients

55-Cs-127



94

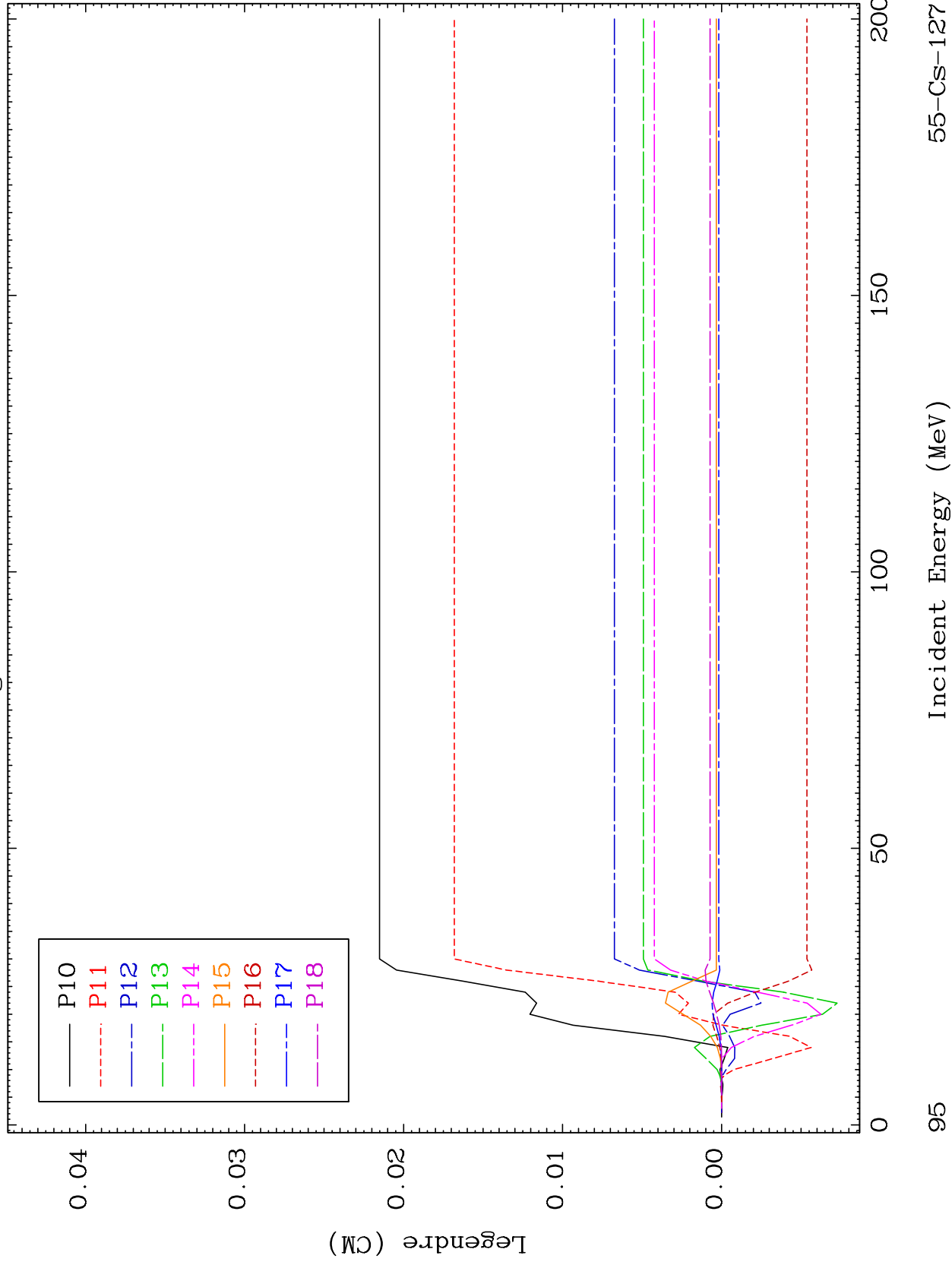
Incident Energy (MeV)

55-Cs-127

MAT 5507

MT= 71 (n,n') Level  
Legendre Coefficients

55-Cs-127



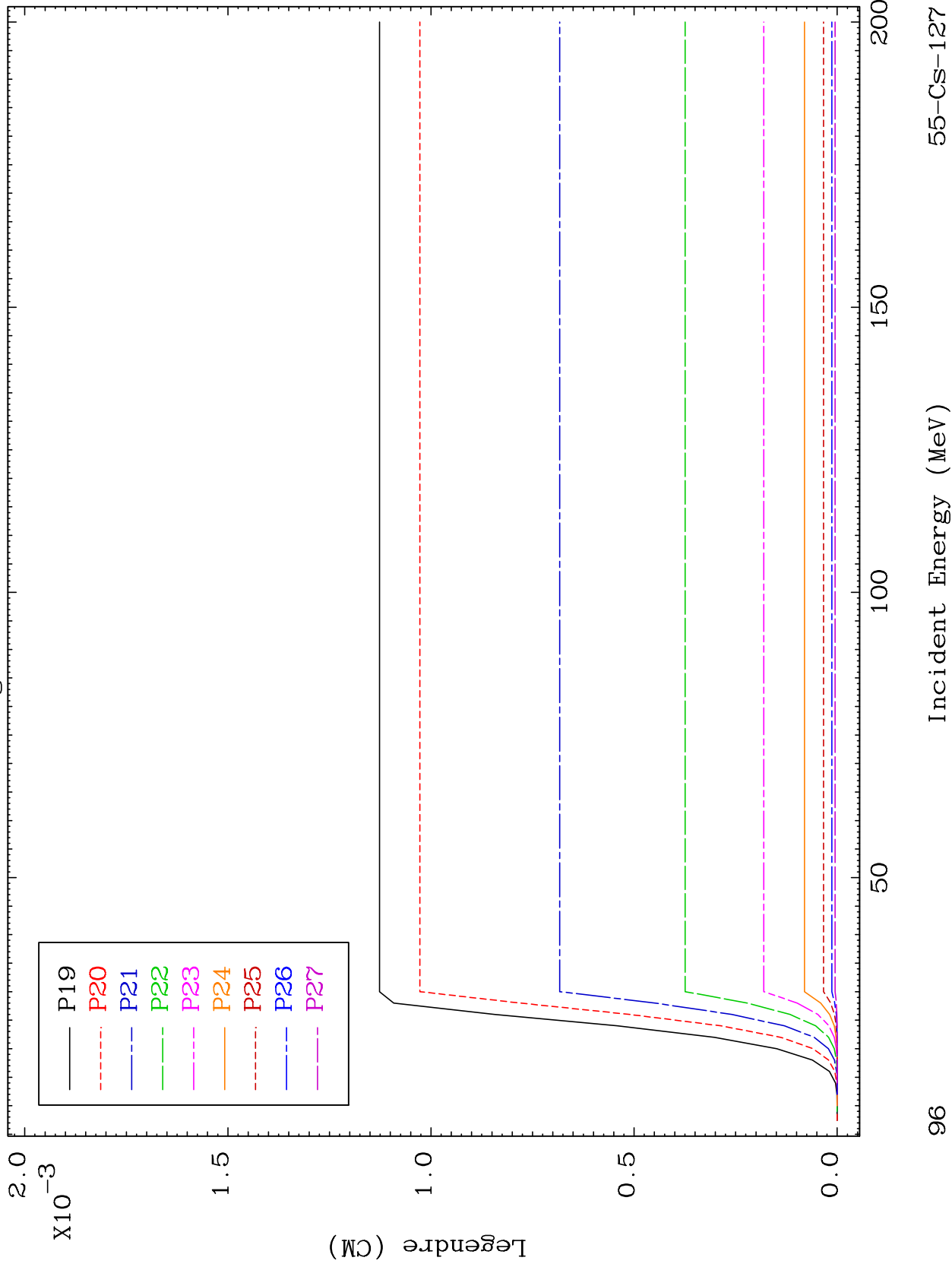
55-Cs-127



MAT 5507

MT= 71 (n,n') Level  
Legendre Coefficients

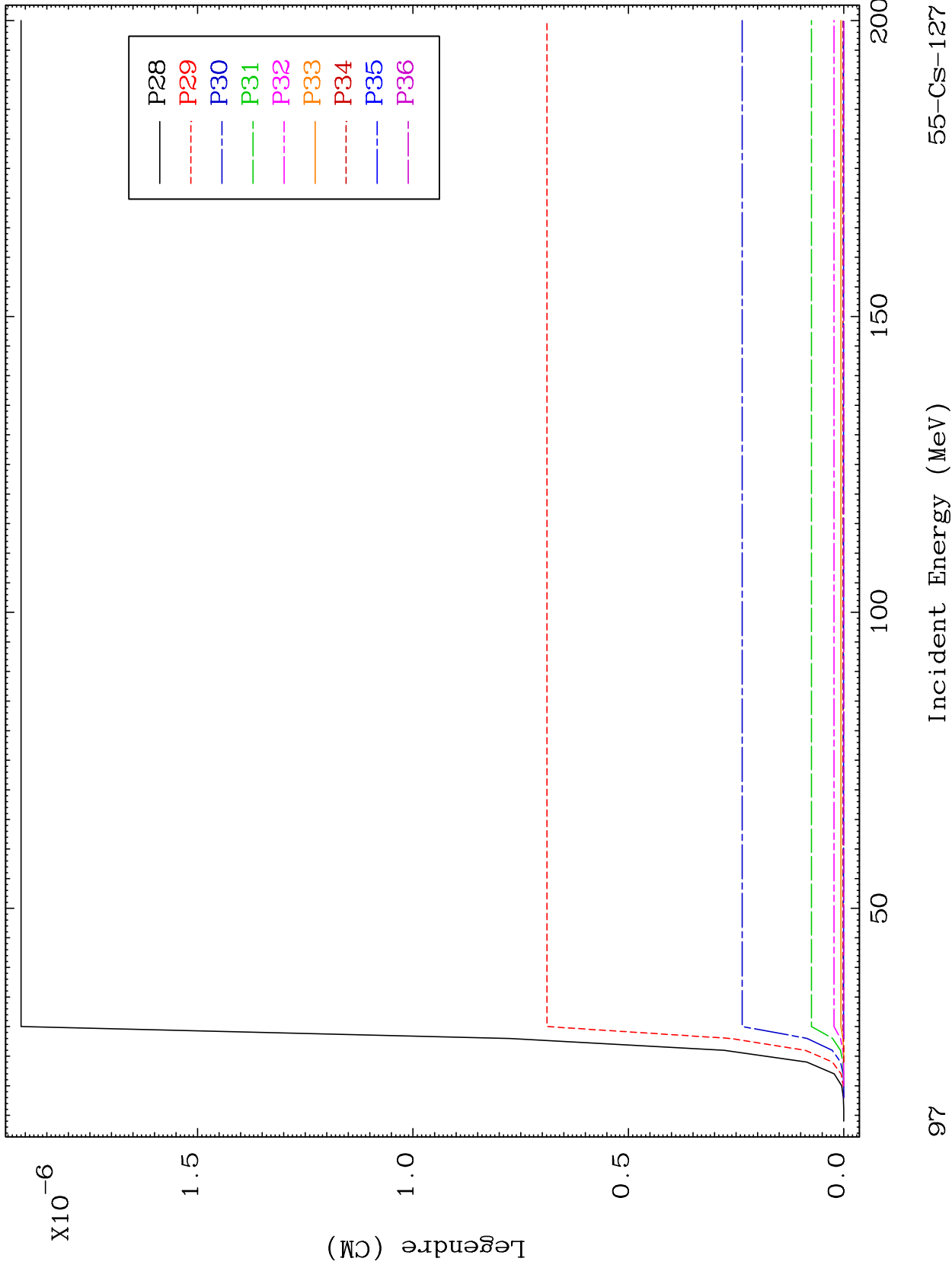
55-Cs-127



MAT 5507

MT= 71 (n,n') Level  
Legendre Coefficients

55-Cs-127

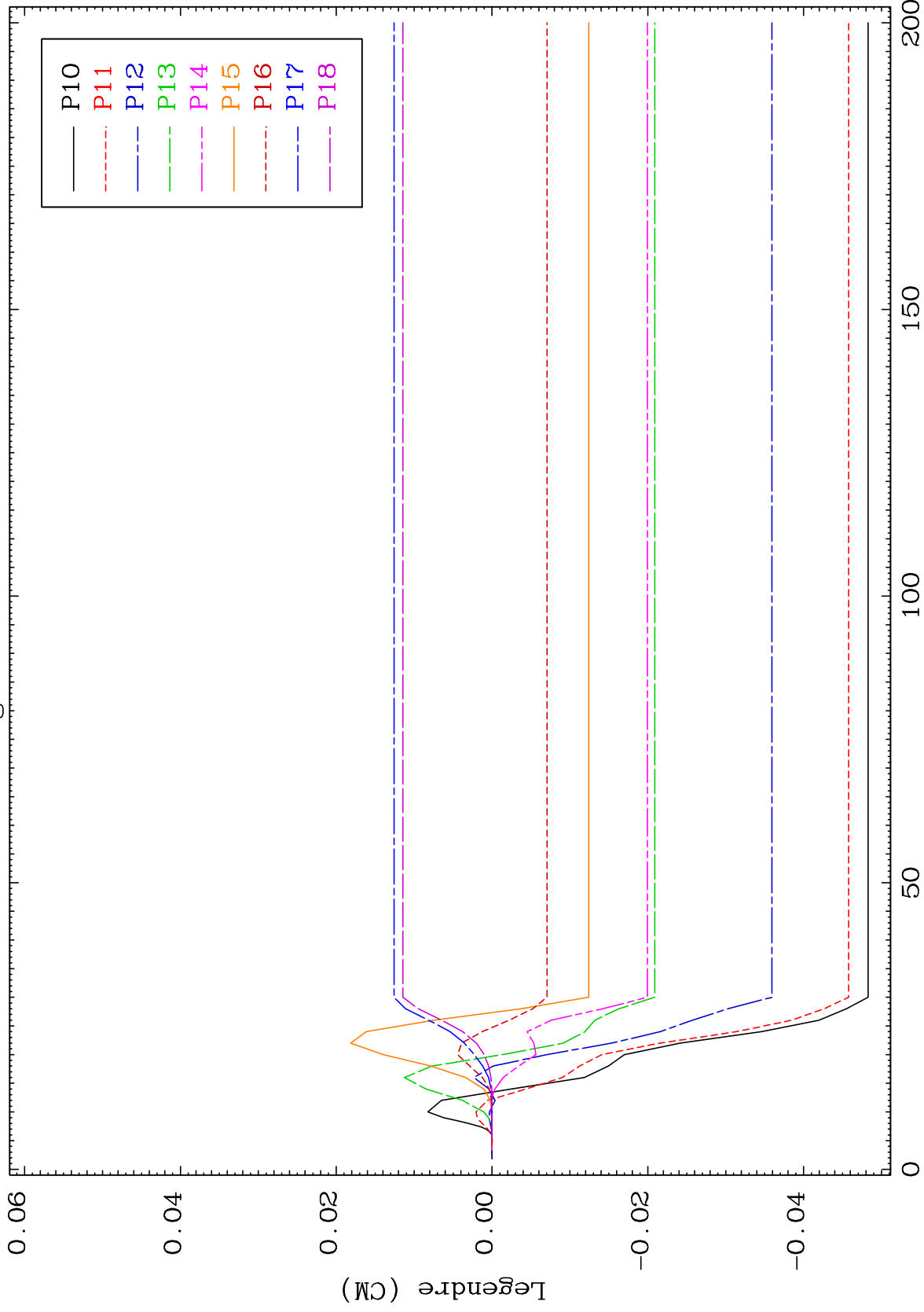




MAT 5507

MT= 72 (n,n') Level  
Legendre Coefficients

55-Cs-127



99

Incident Energy (MeV)

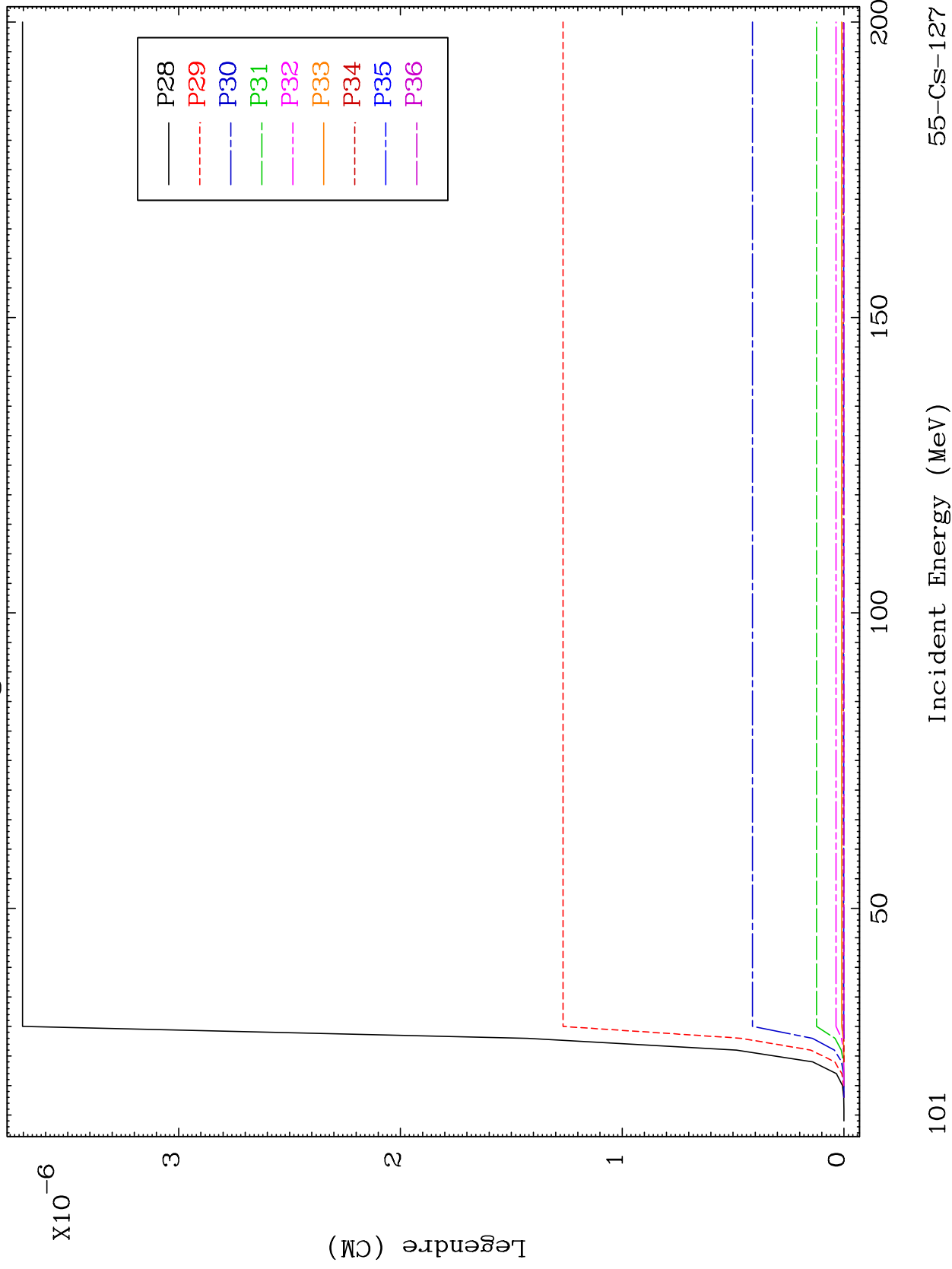
55-Cs-127



MAT 5507

MT= 72 (n,n') Level  
Legendre Coefficients

55-Cs-127



101

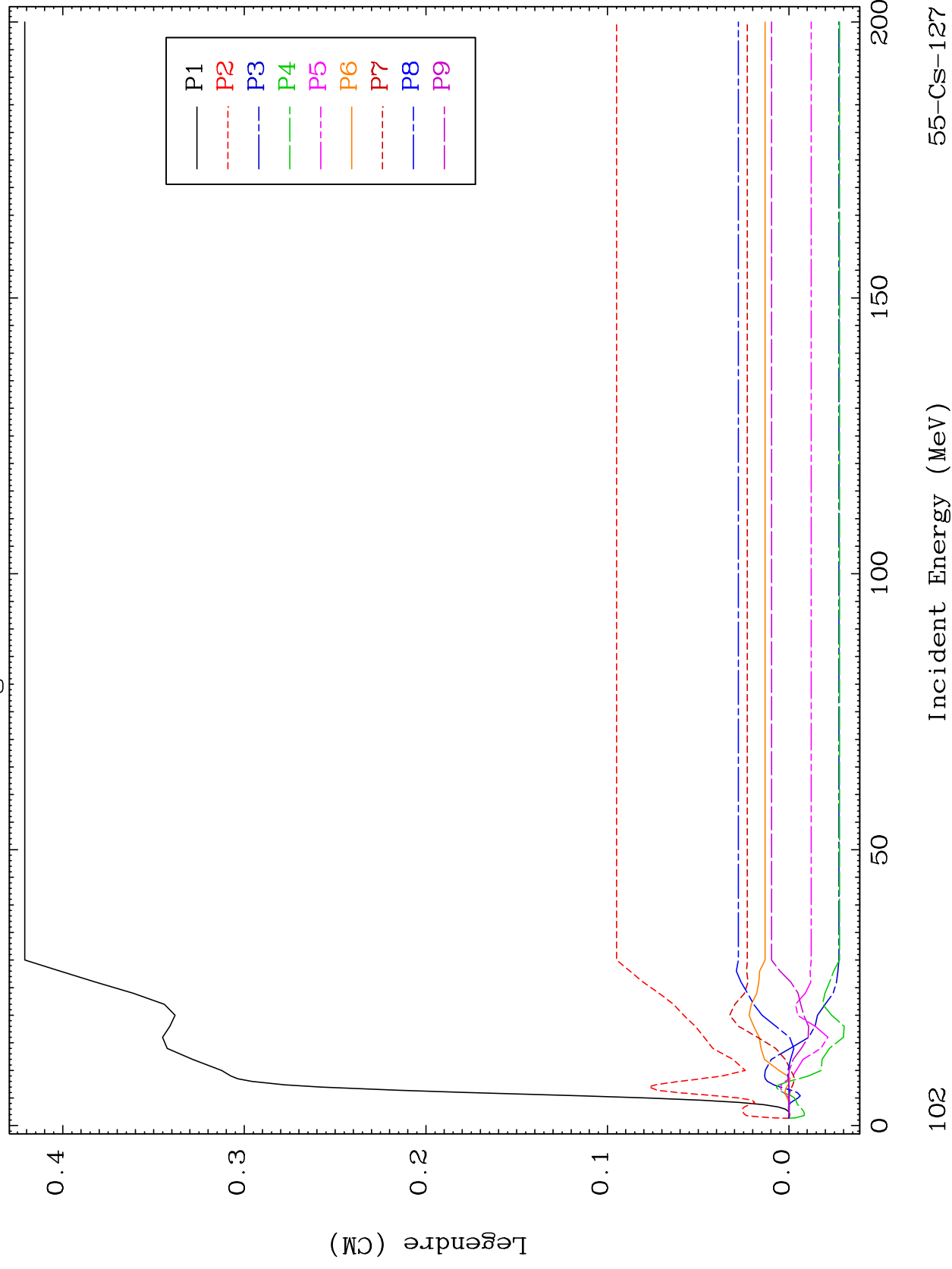
Incident Energy (MeV)

55-Cs-127

MAT 5507

MT= 73 (n,n') Level  
Legendre Coefficients

55-Cs-127



55-Cs-127

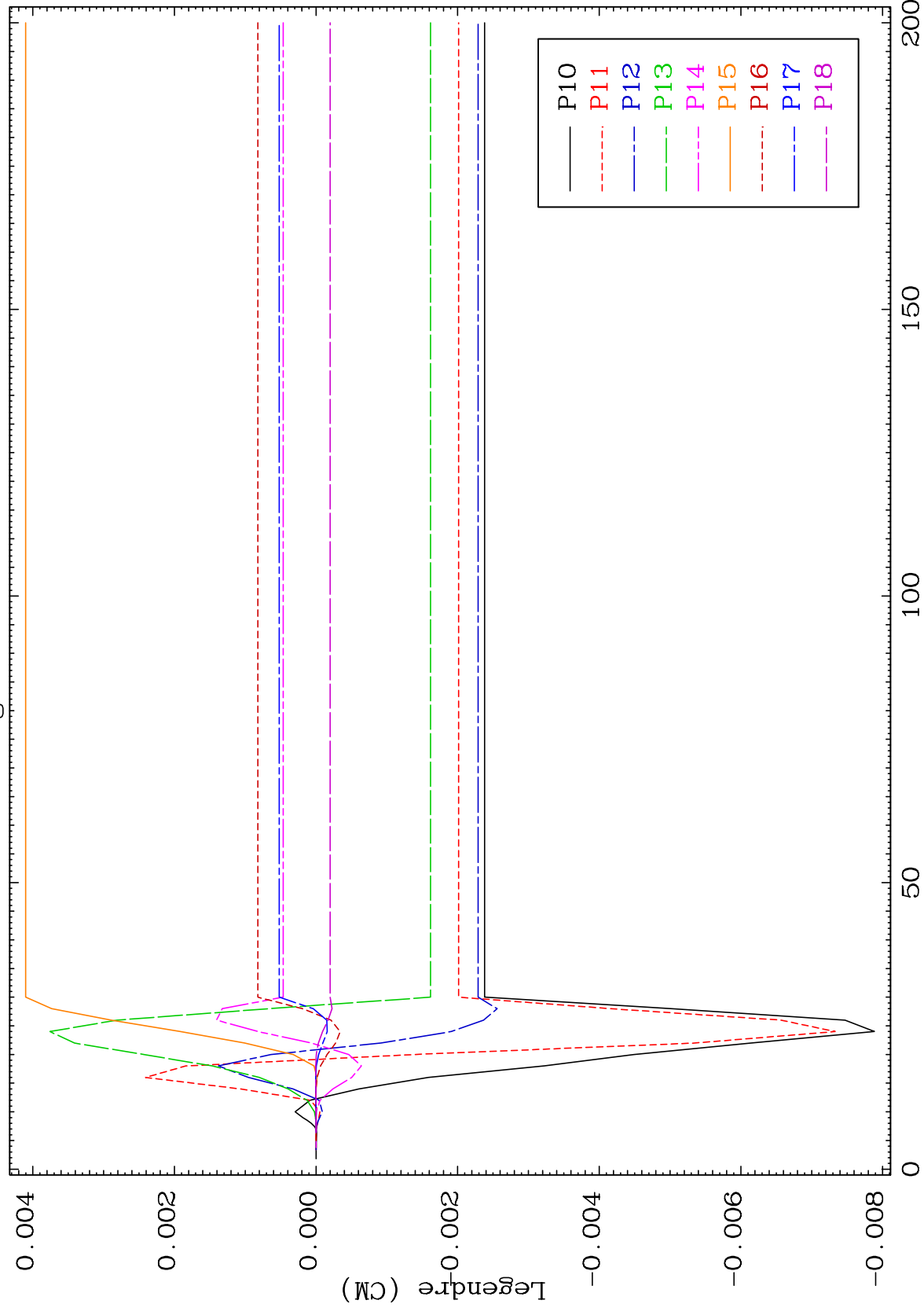
Incident Energy (MeV)

102

MAT 5507

MT= 73 (n,n') Level  
Legendre Coefficients

55-Cs-127

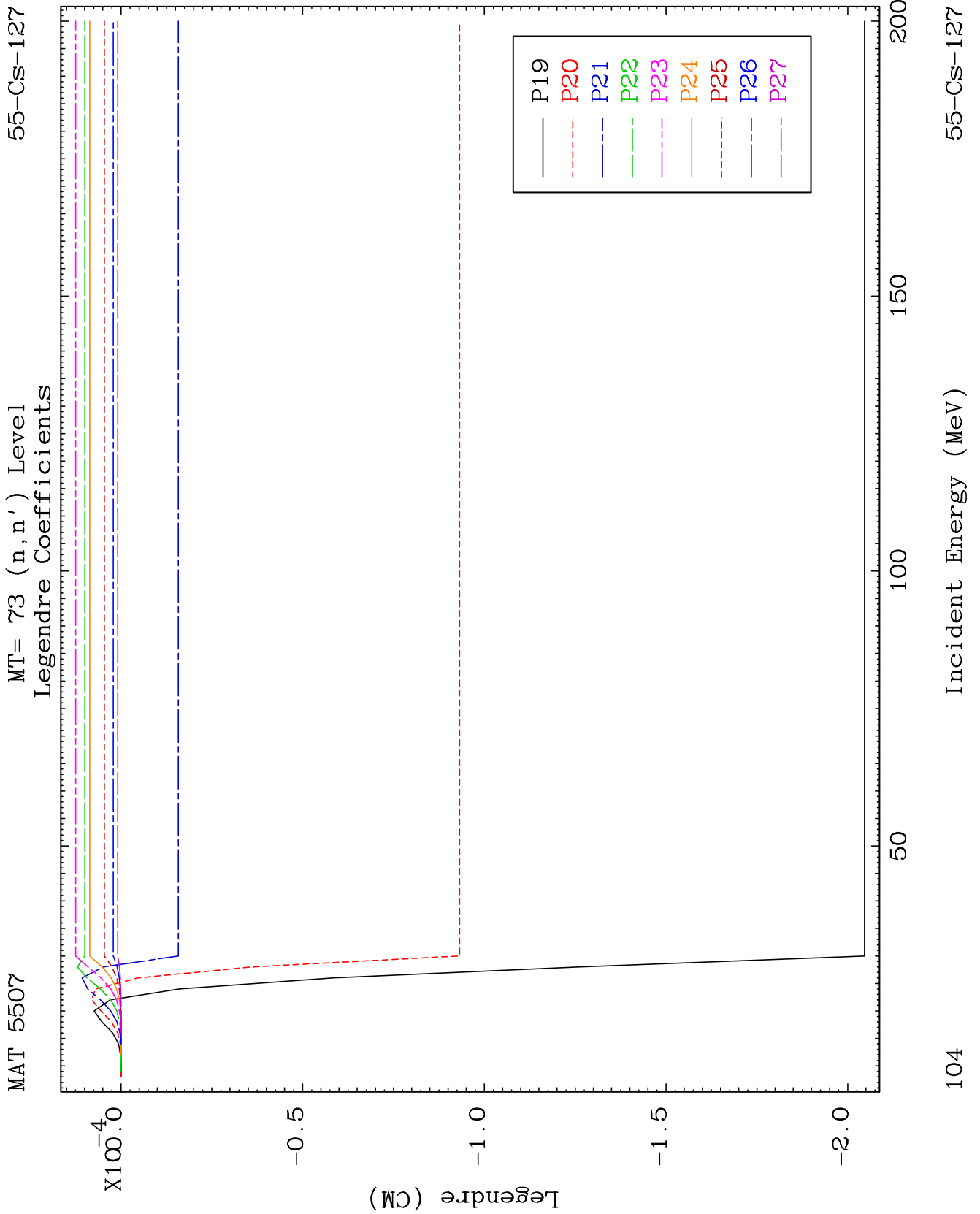


103

Incident Energy (MeV)

55-Cs-127

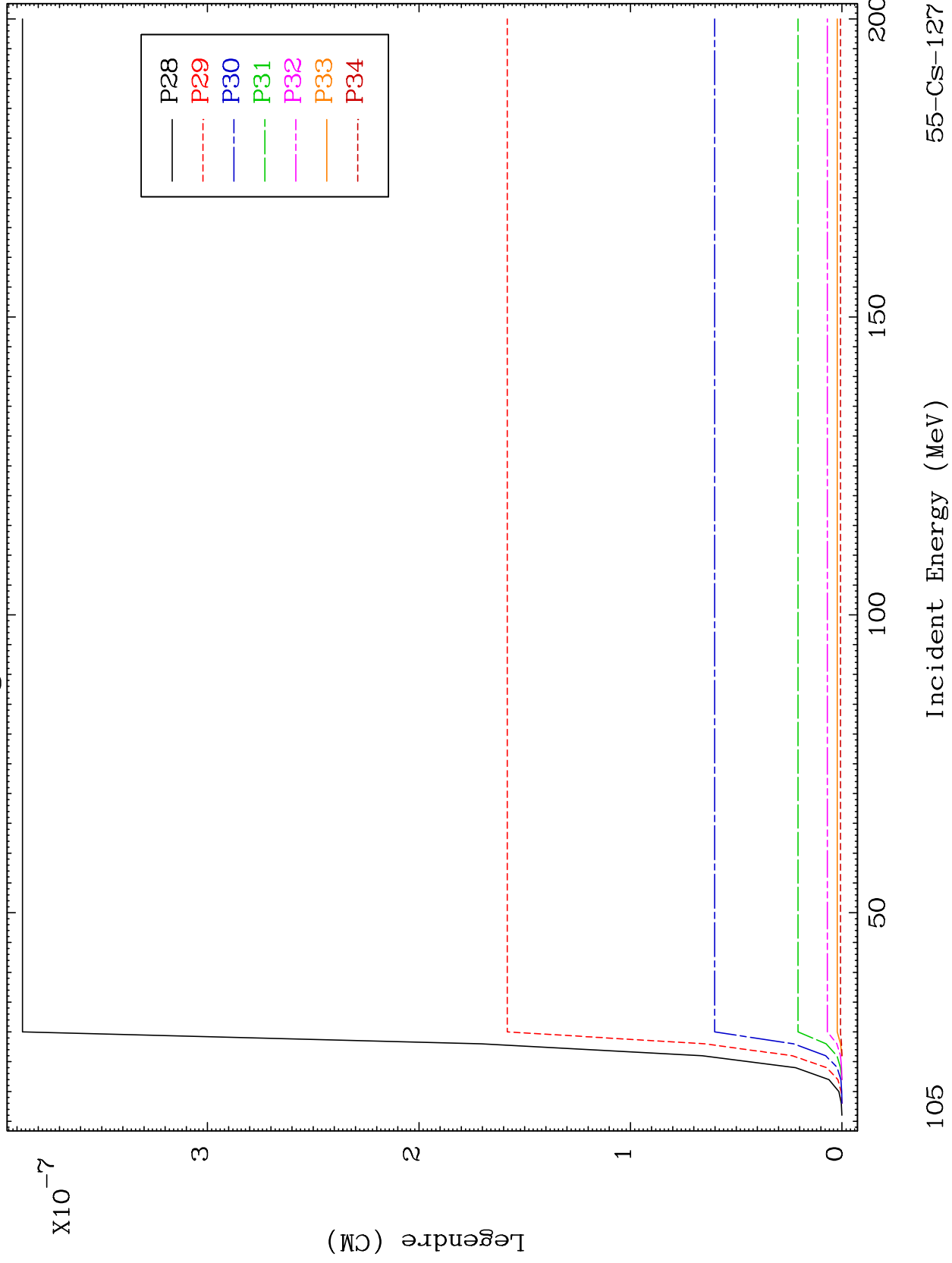


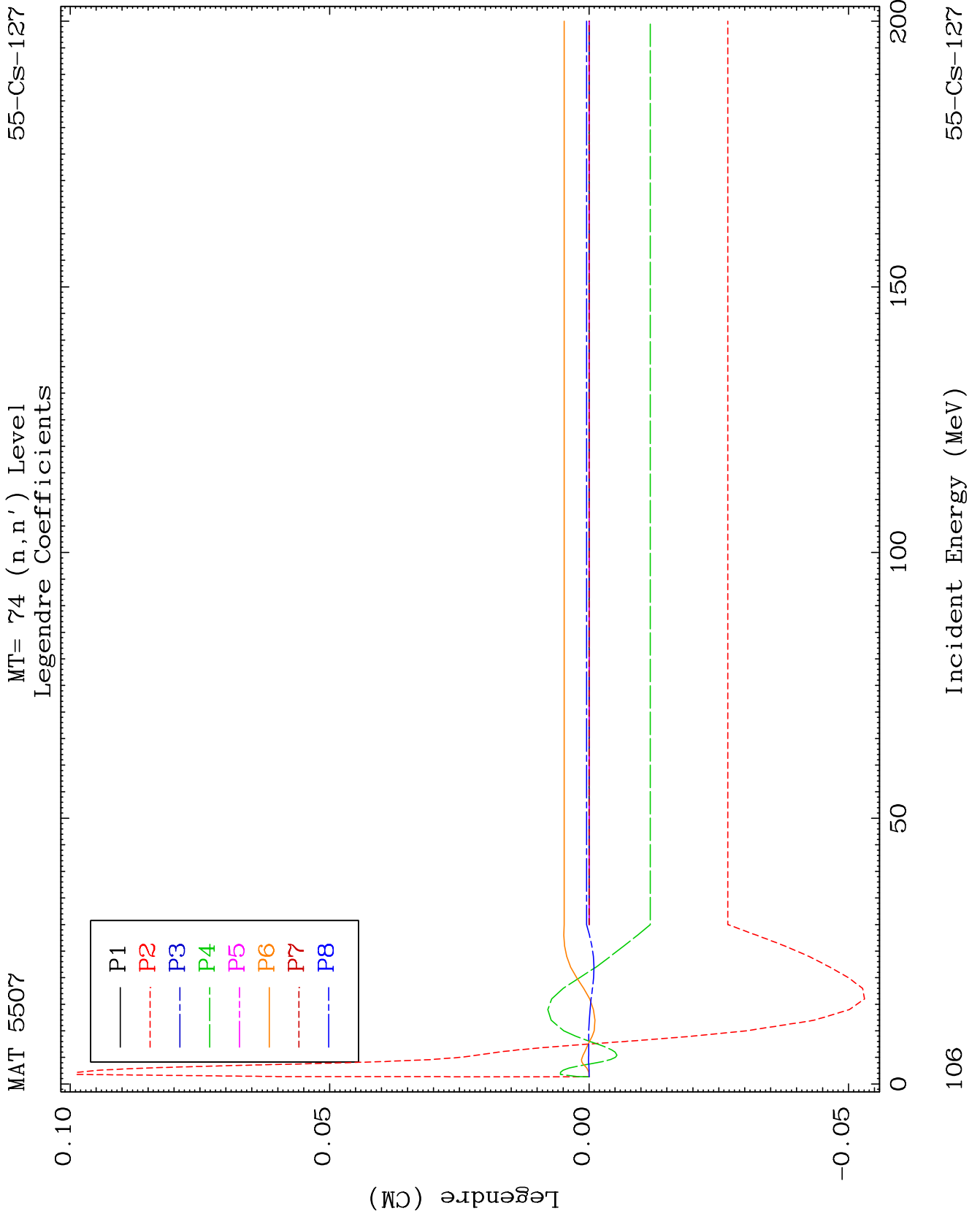


MAT 5507

MT= 73 (n,n') Level  
Legendre Coefficients

55-Cs-127

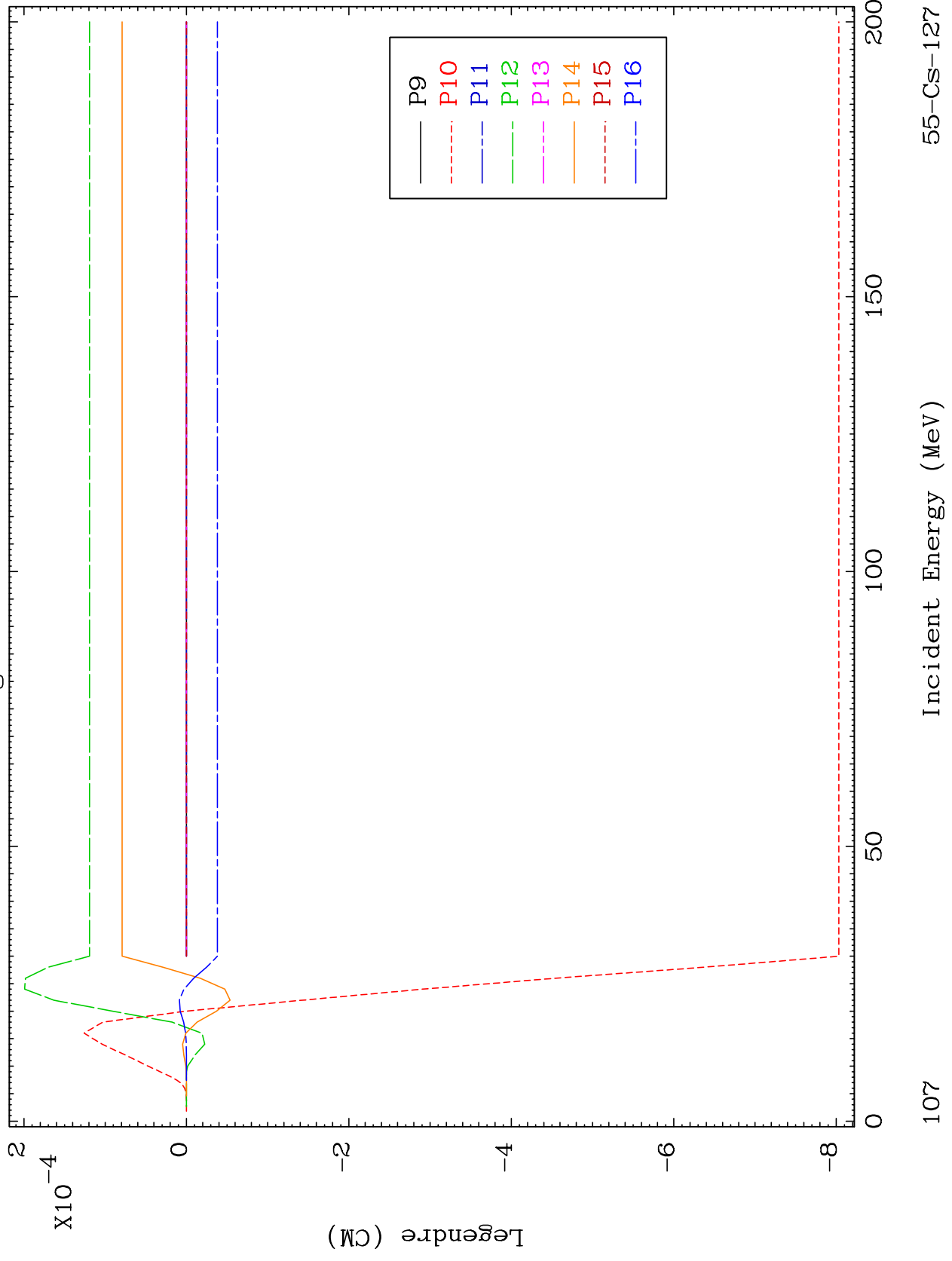




MAT 5507

MT= 74 (n,n') Level  
Legendre Coefficients

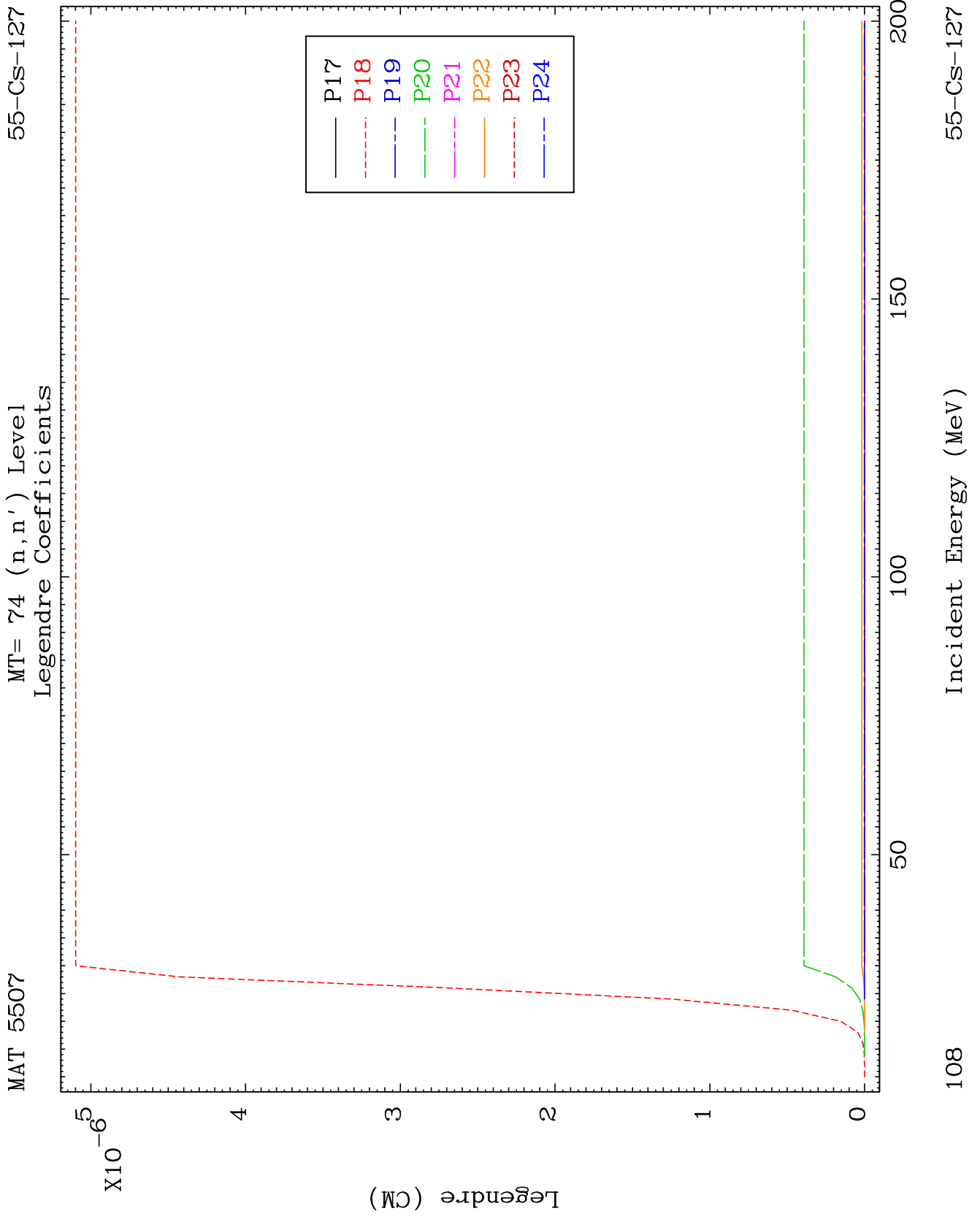
55-Cs-127



107

Incident Energy (MeV)

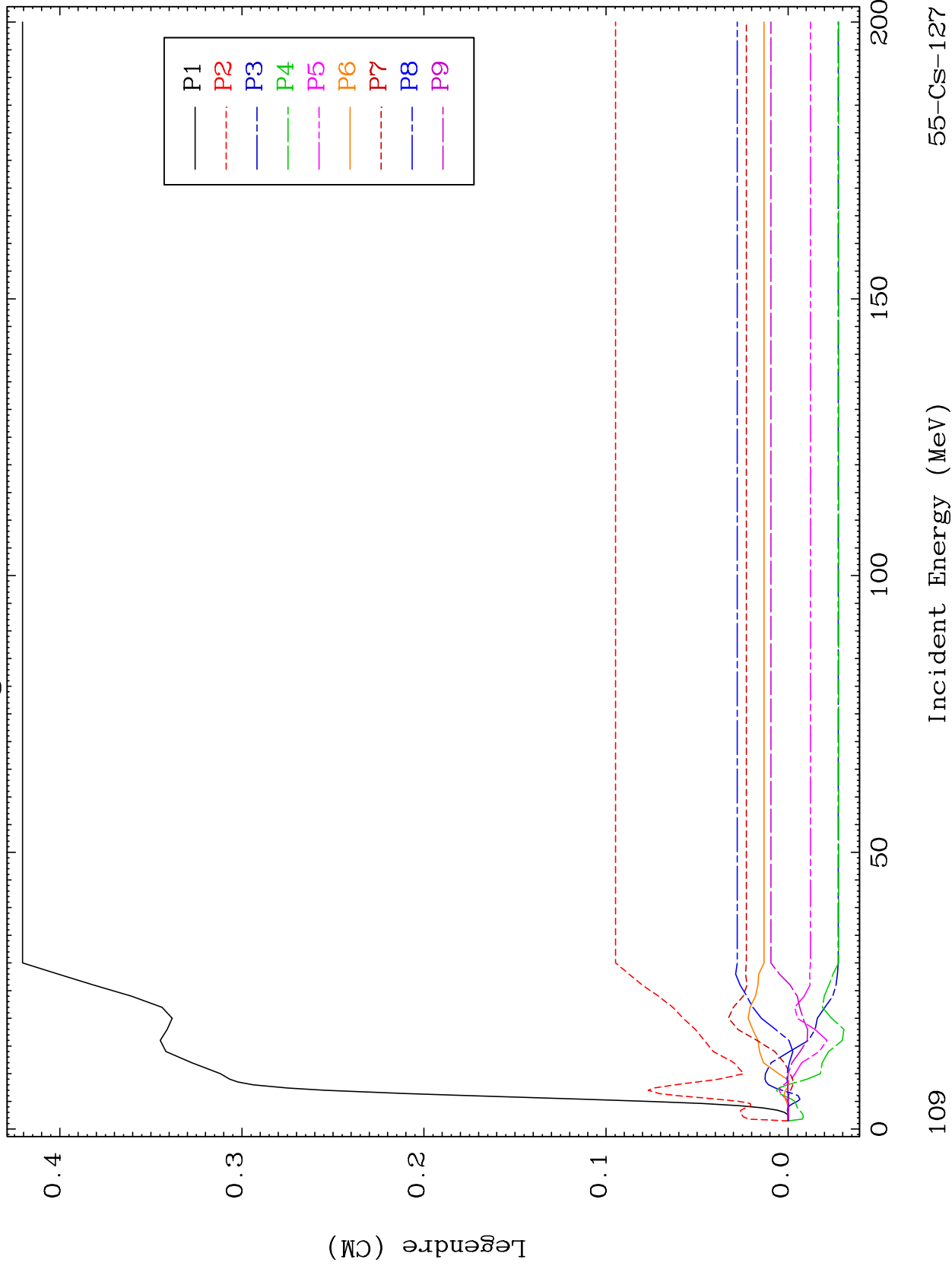
55-Cs-127



MAT 5507

MT= 75 (n,n') Level  
Legendre Coefficients

55-Cs-127



55-Cs-127

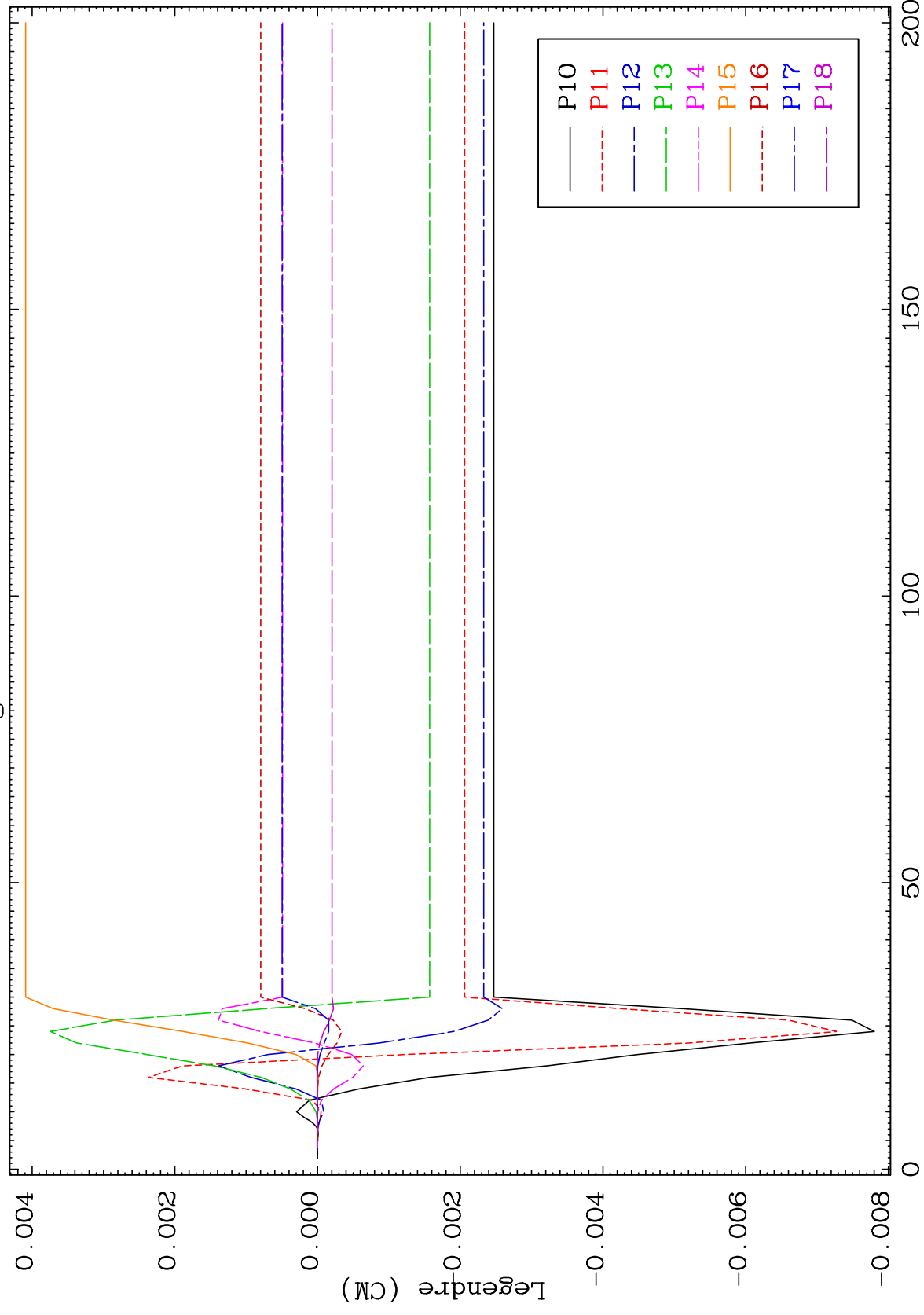
Incident Energy (MeV)

109

MAT 5507

MT= 75 (n,n') Level  
Legendre Coefficients

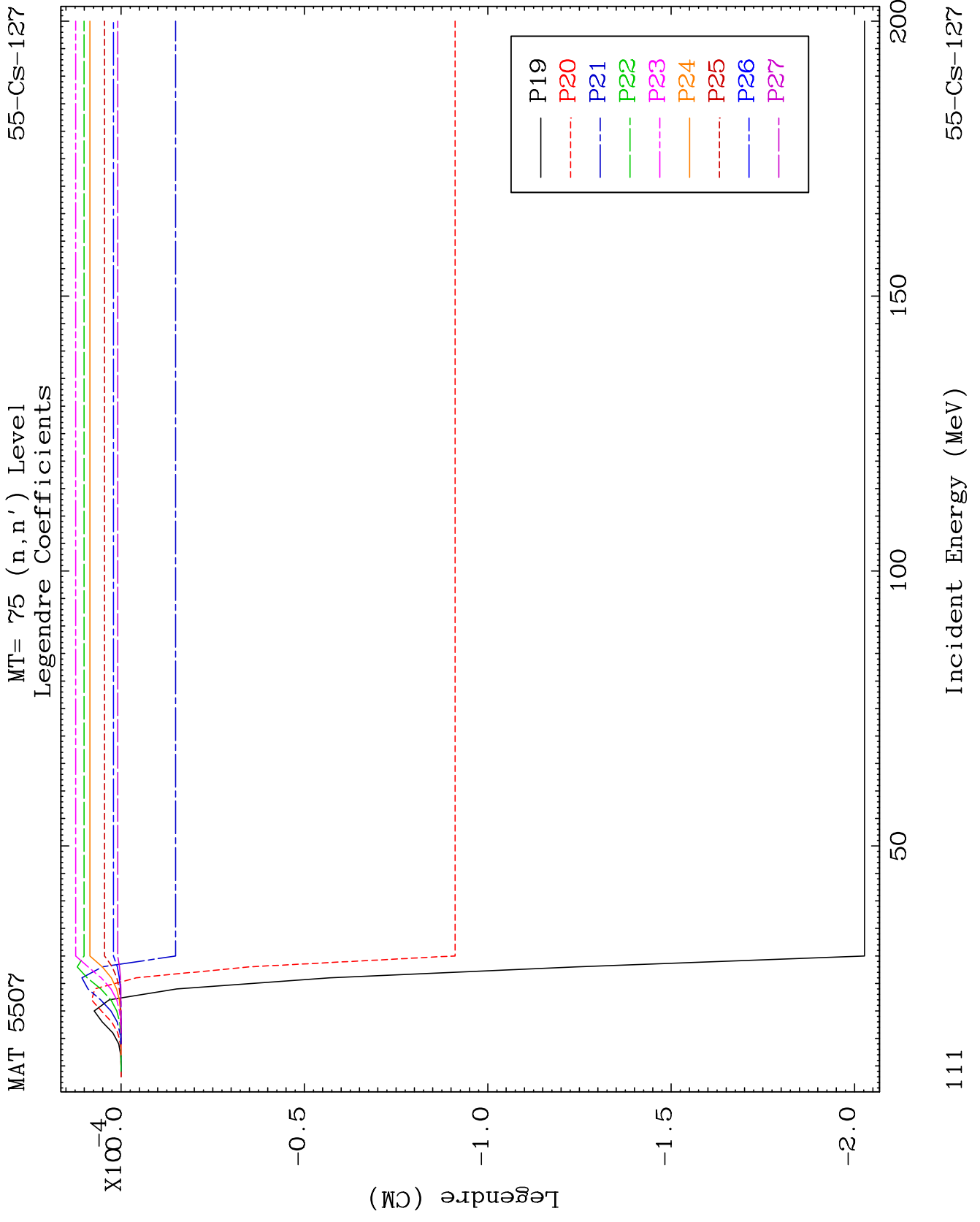
55-Cs-127



110

Incident Energy (MeV)

55-Cs-127

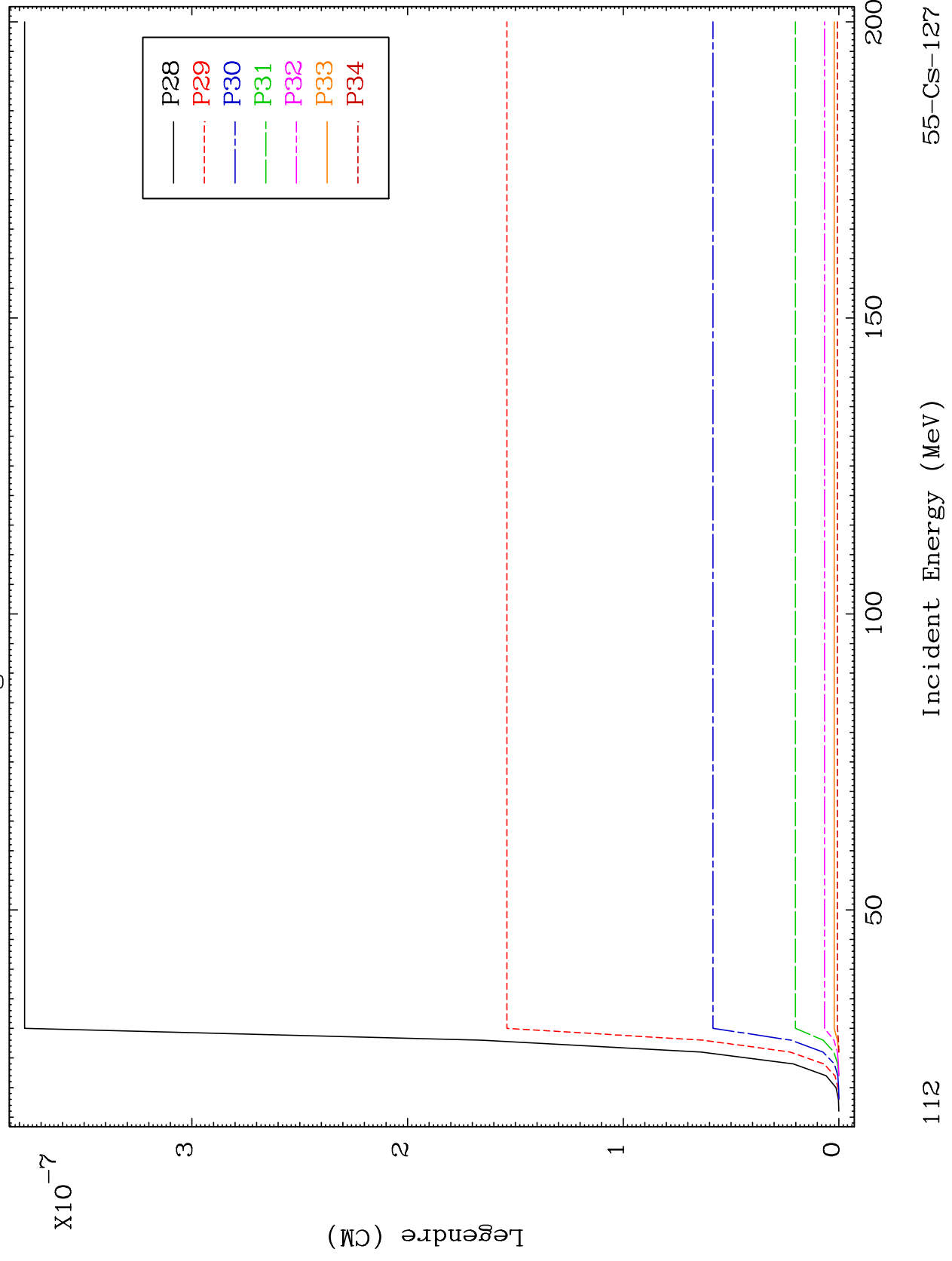




MAT 5507

MT= 75 (n,n') Level  
Legendre Coefficients

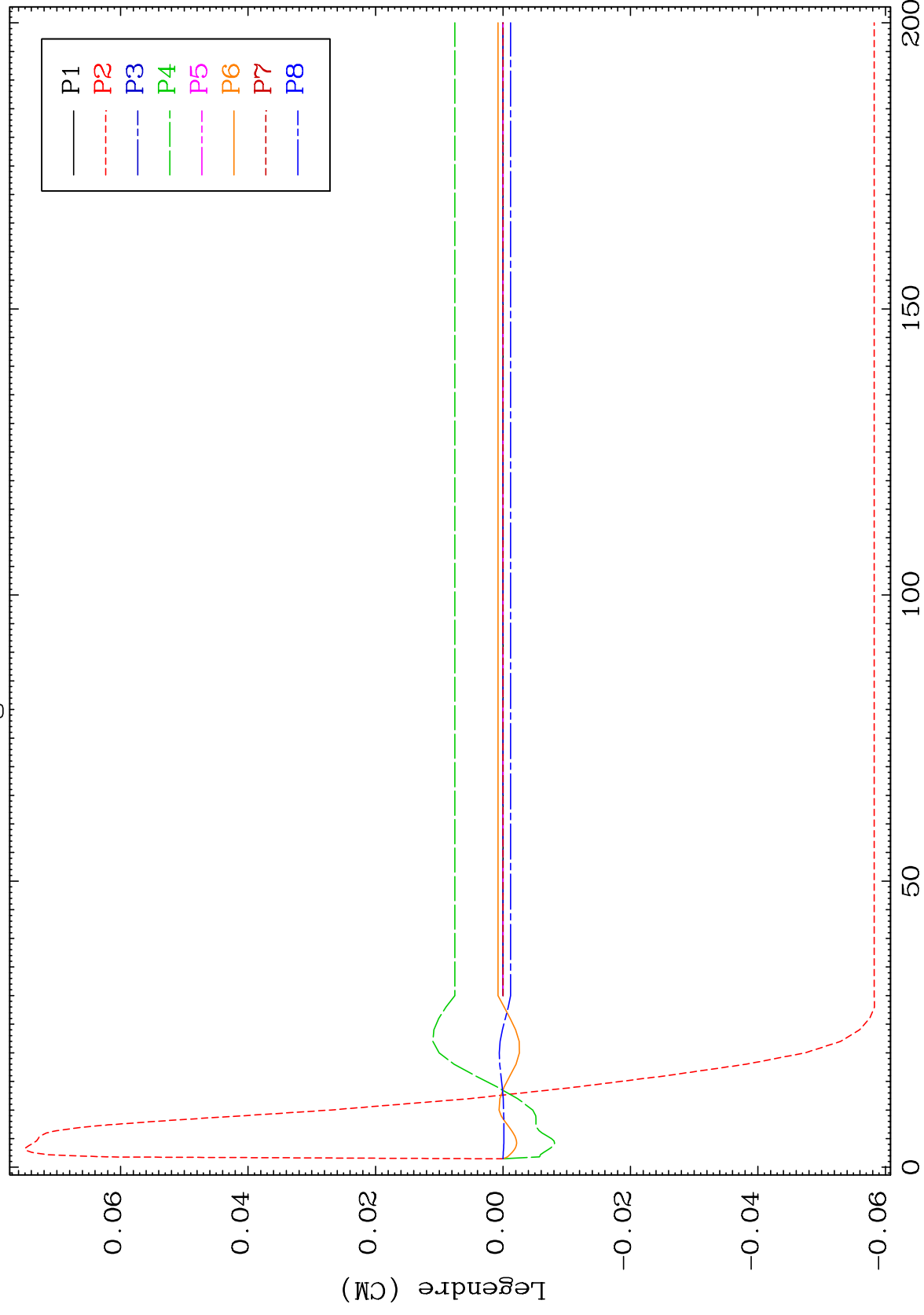
55-Cs-127



MAT 5507

MT= 76 (n,n') Level  
Legendre Coefficients

55-Cs-127



55-Cs-127

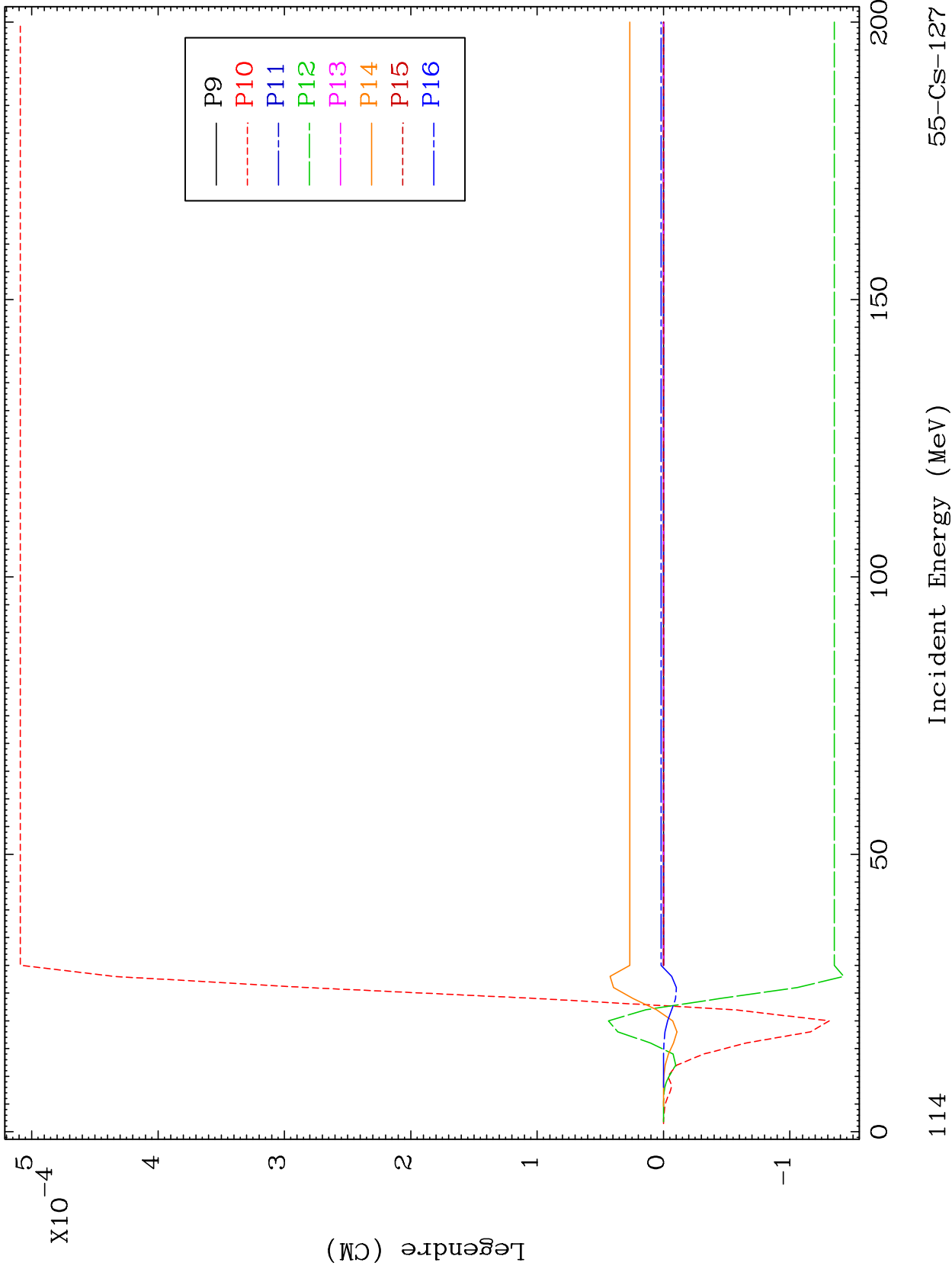
Incident Energy (MeV)

113

MAT 5507

MT= 76 (n,n') Level  
Legendre Coefficients

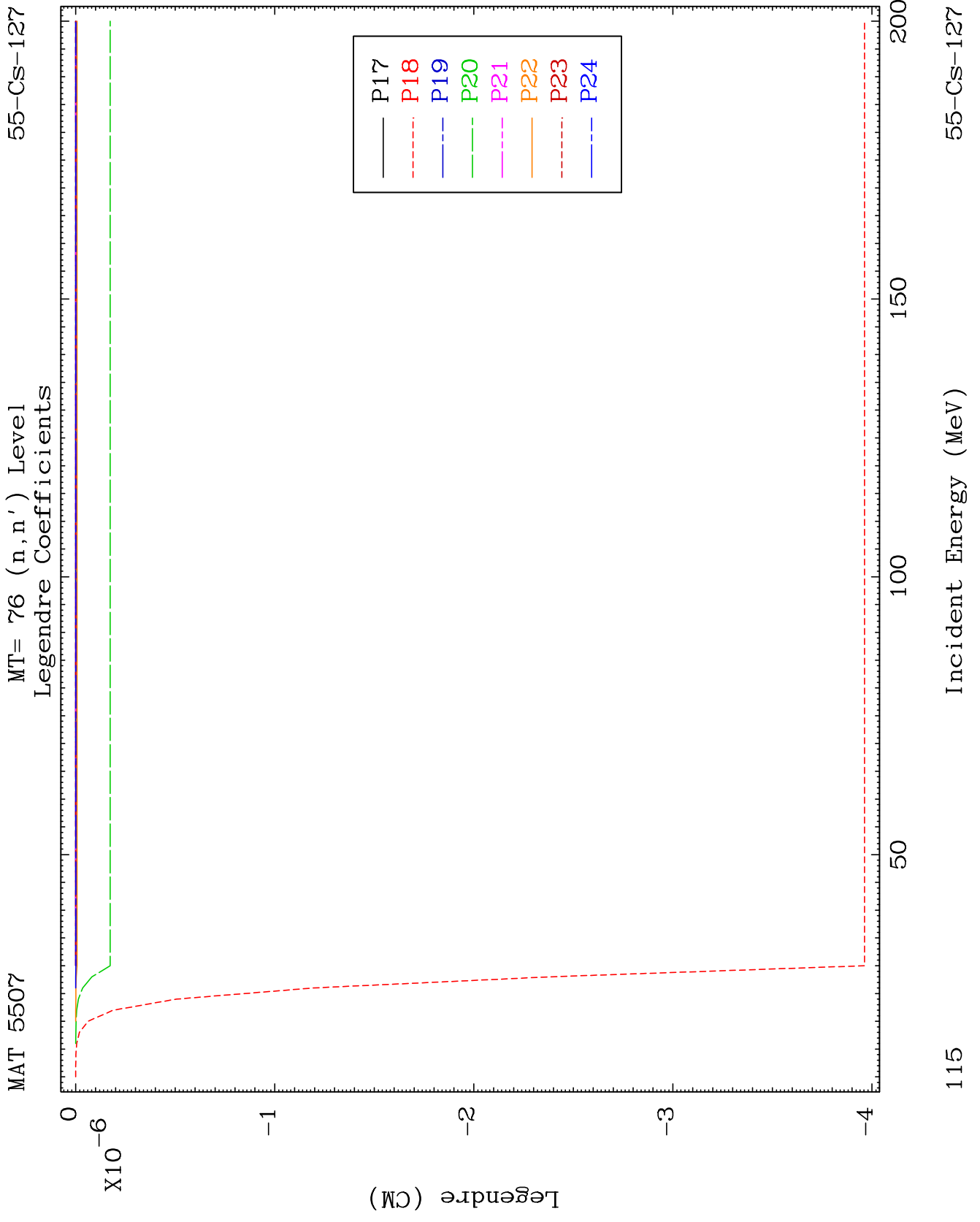
55-Cs-127



114

Incident Energy (MeV)

55-Cs-127

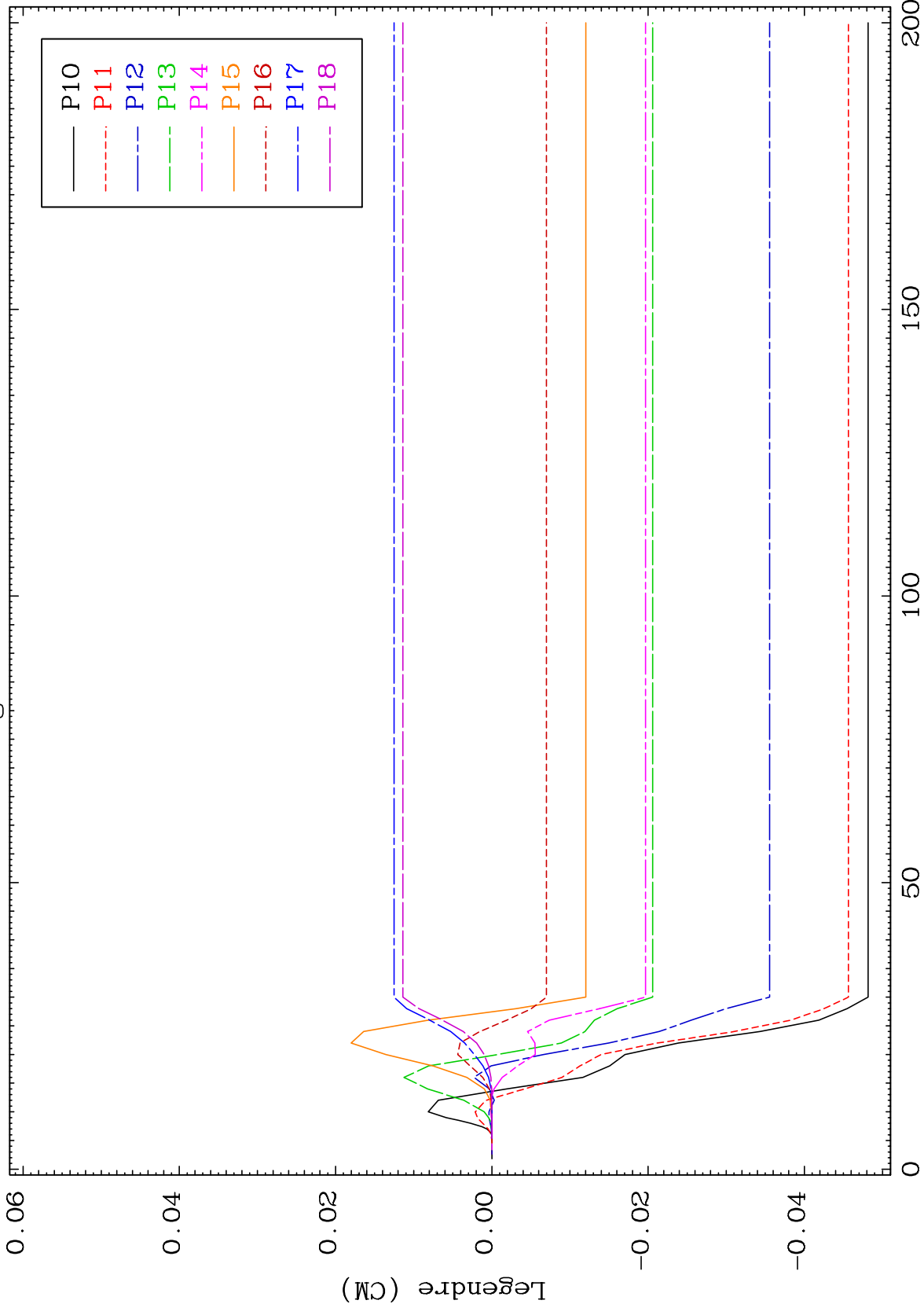




MAT 5507

MT= 77 (n,n') Level Legendre Coefficients

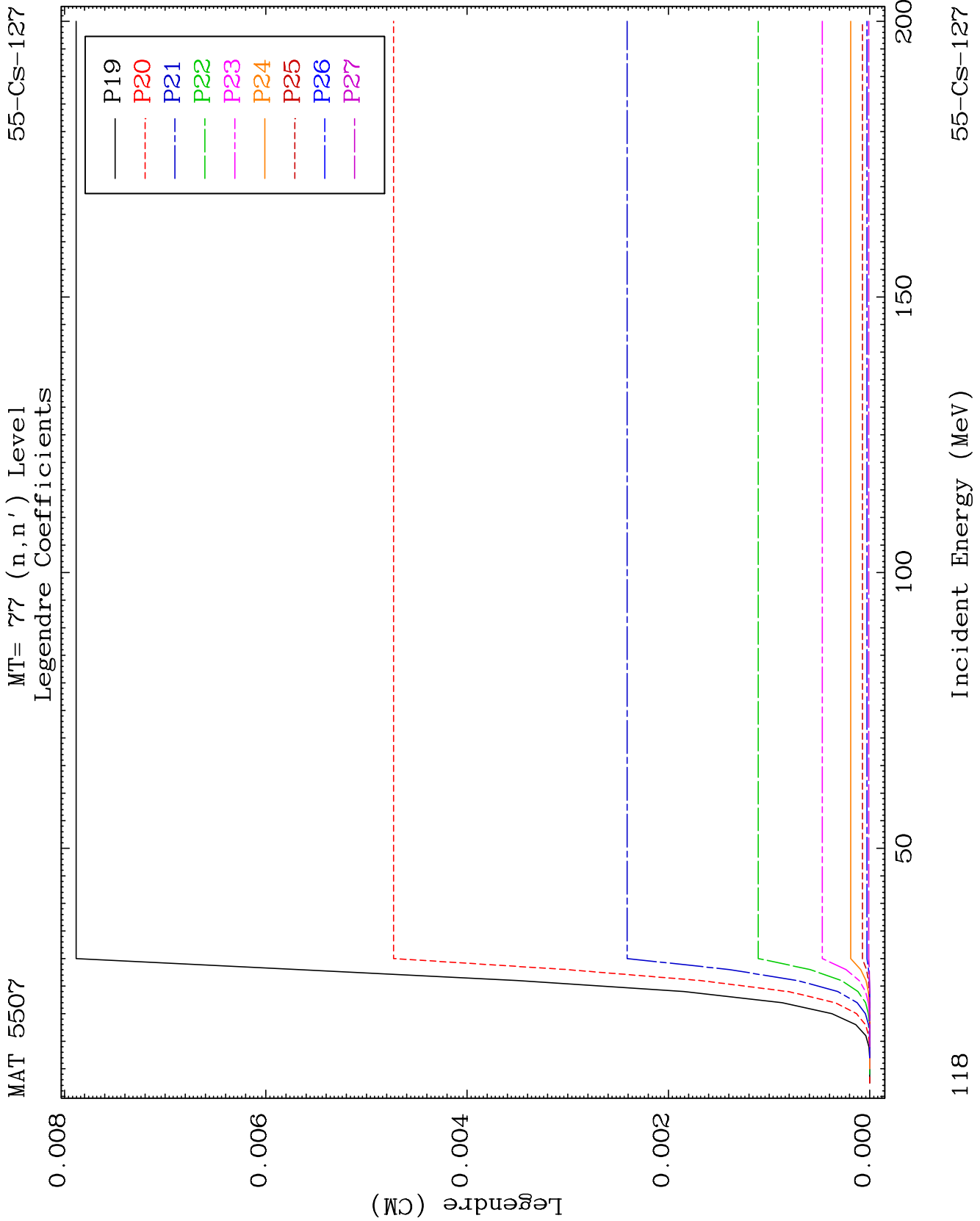
55-Cs-127



117

Incident Energy (MeV)

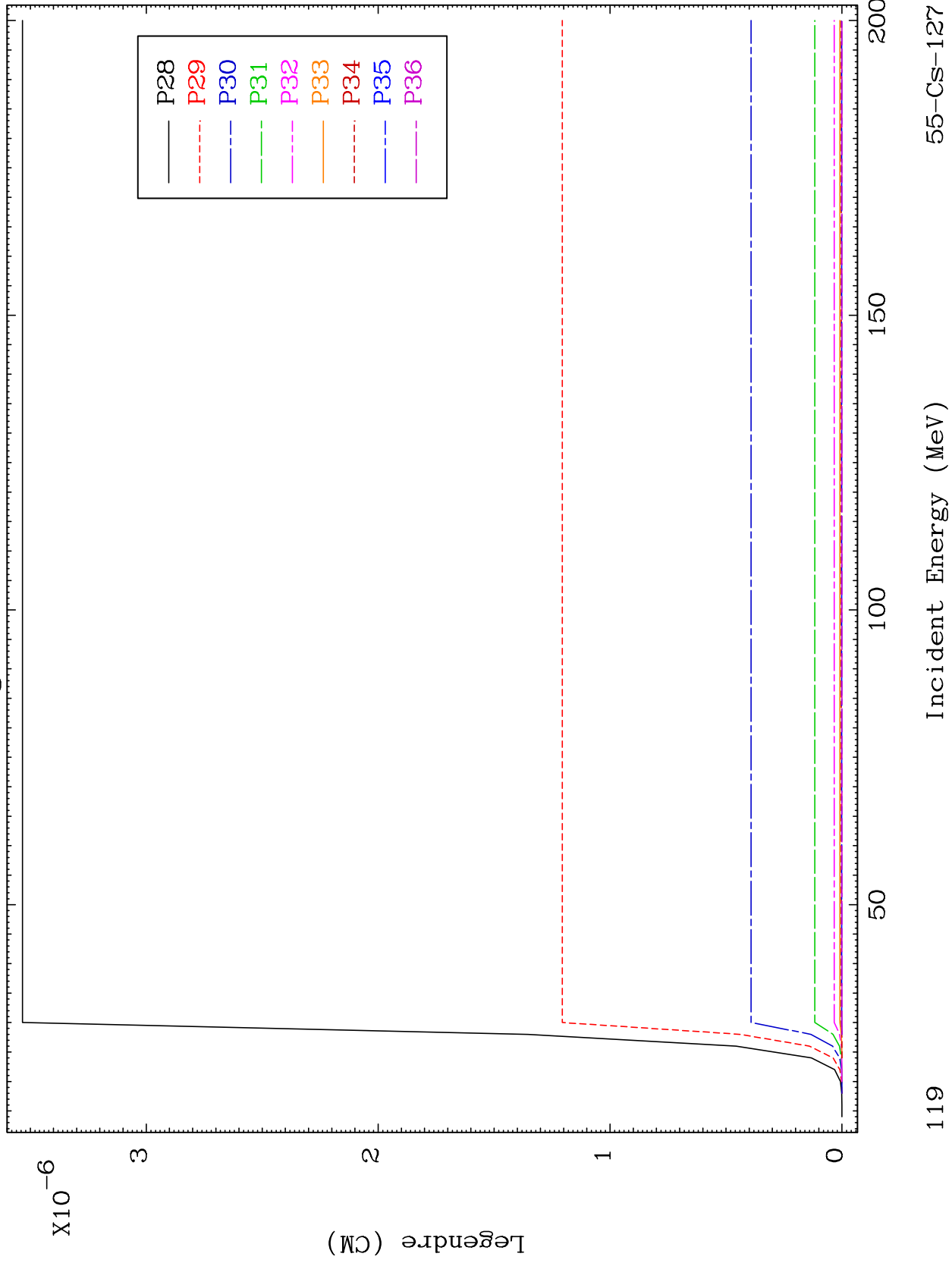
55-Cs-127



MAT 5507

MT= 77 (n,n') Level  
Legendre Coefficients

55-Cs-127

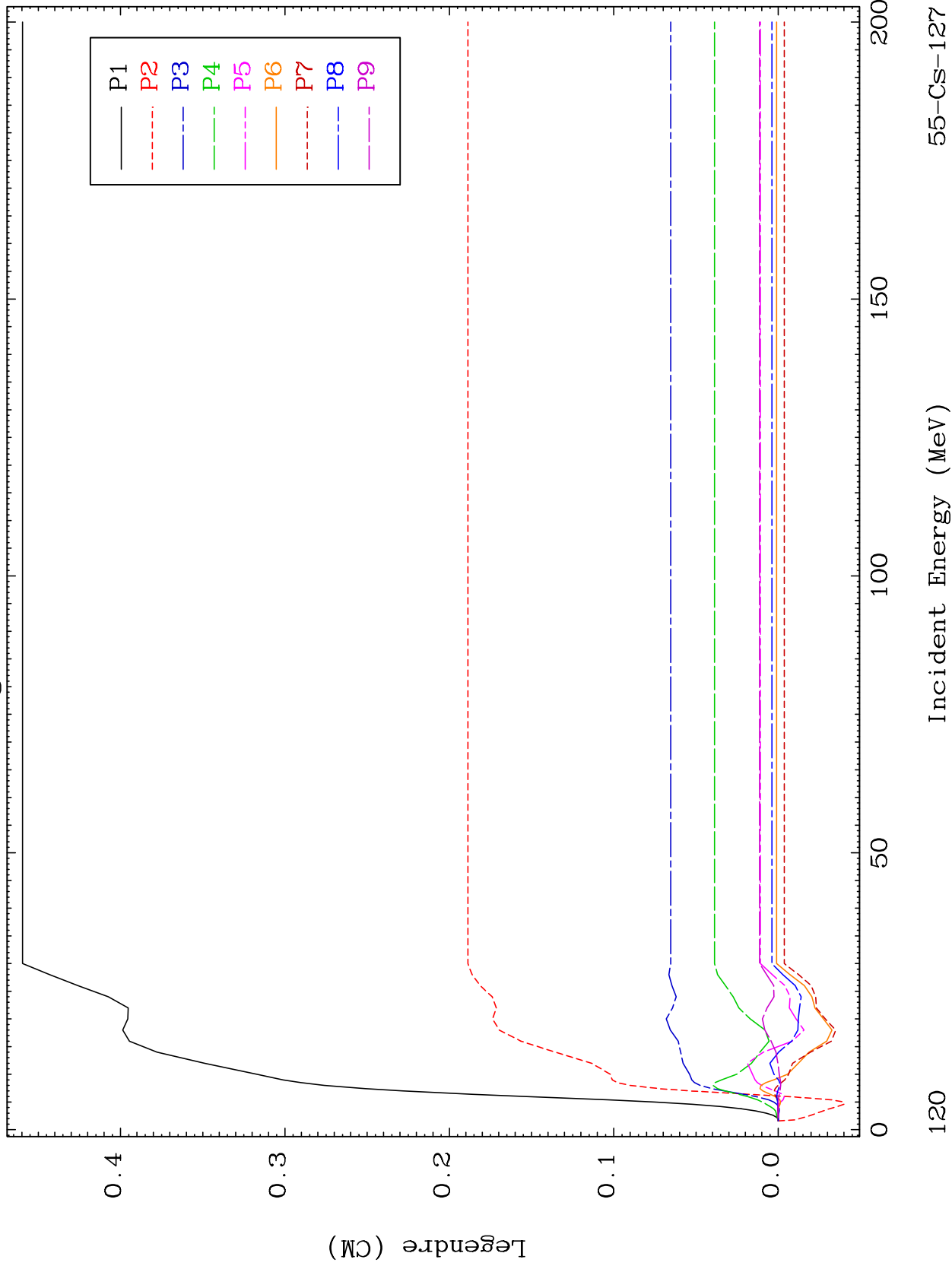




MAT 5507

MT= 78 (n,n') Level  
Legendre Coefficients

55-Cs-127



55-Cs-127

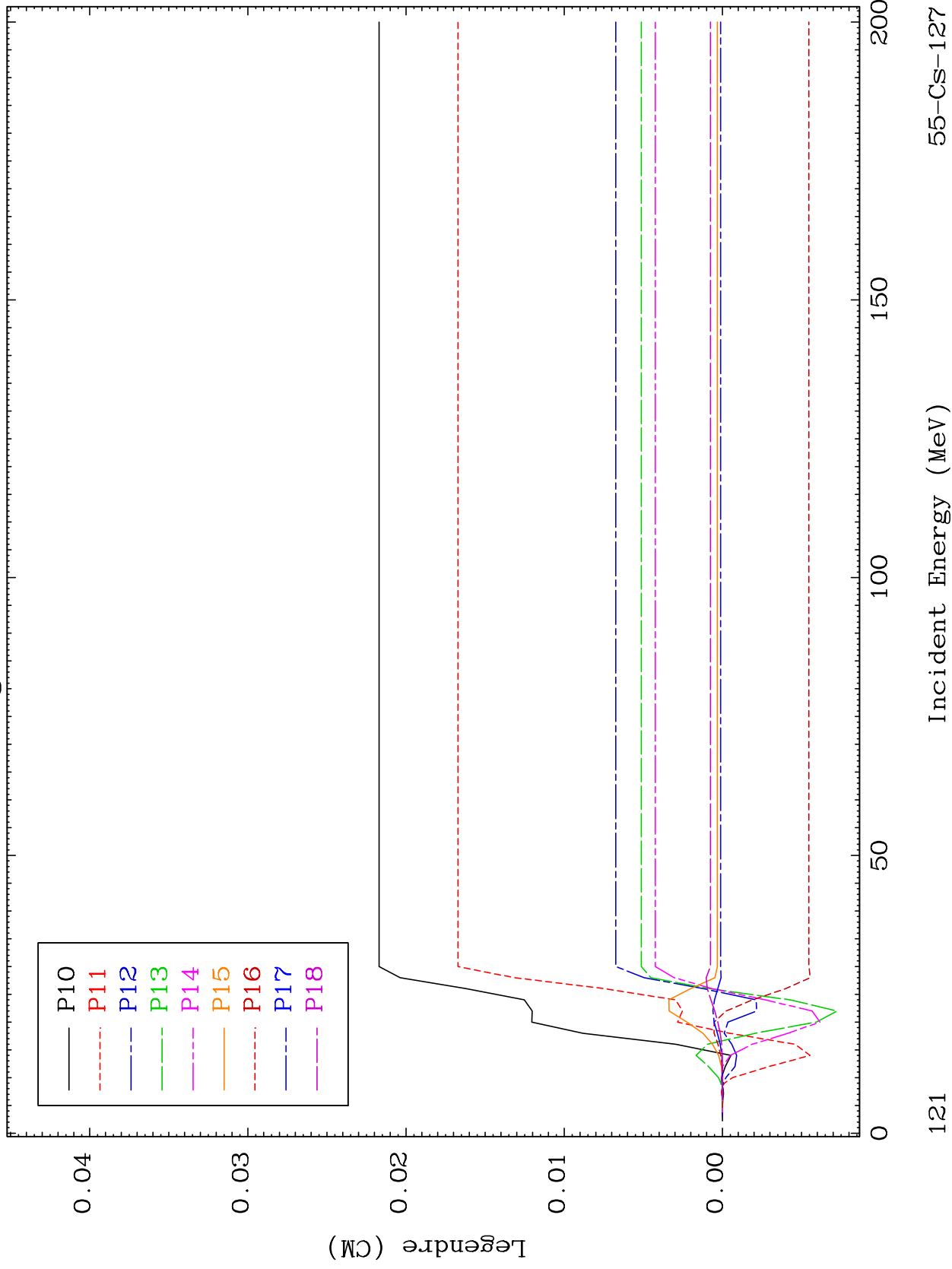
Incident Energy (MeV)

120

MAT 5507

MT= 78 (n,n') Level  
Legendre Coefficients

55-Cs-127



121

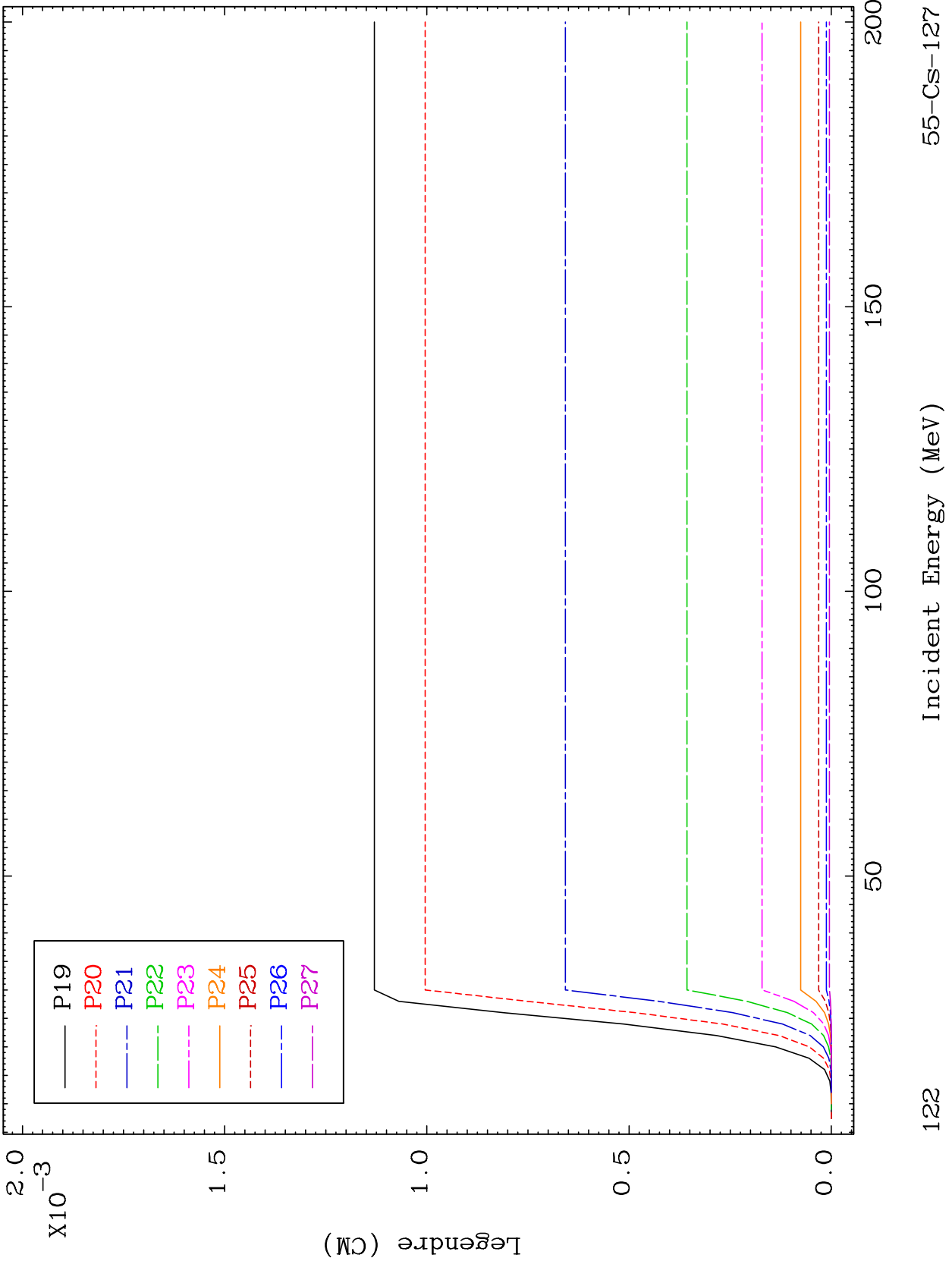
Incident Energy (MeV)

55-Cs-127

MAT 5507

MT= 78 (n,n') Level  
Legendre Coefficients

55-Cs-127



122

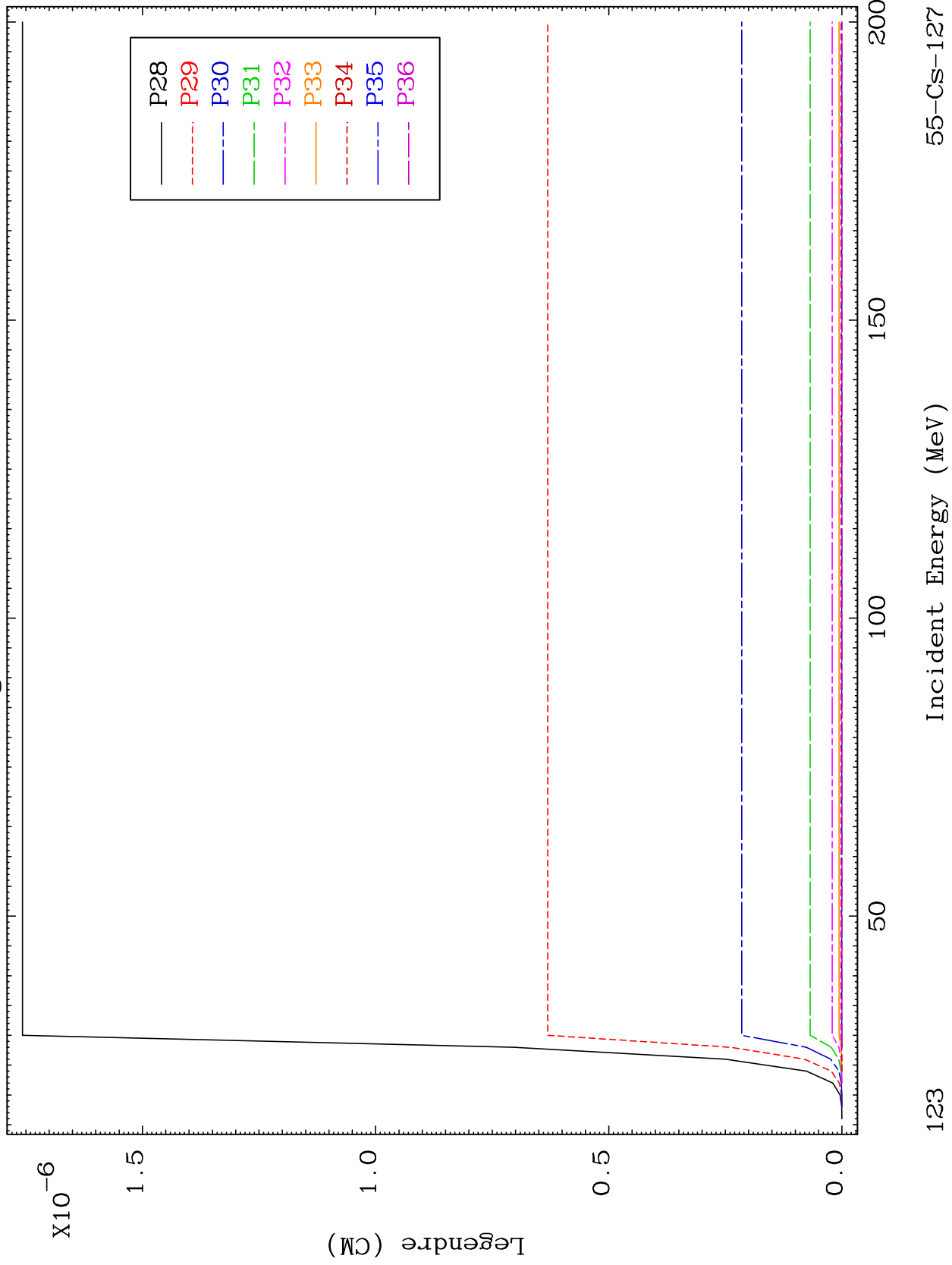
Incident Energy (MeV)

55-Cs-127

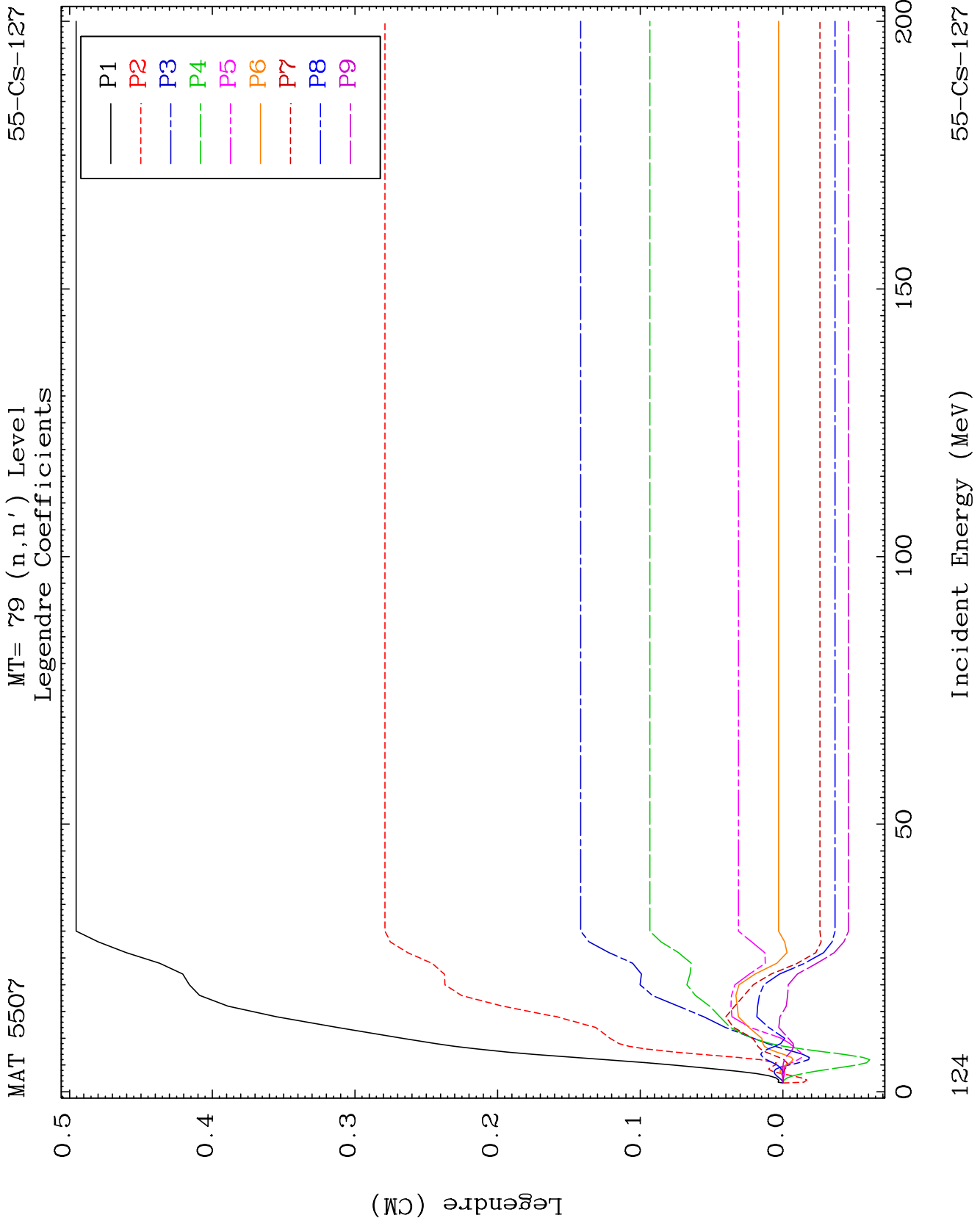
MAT 5507

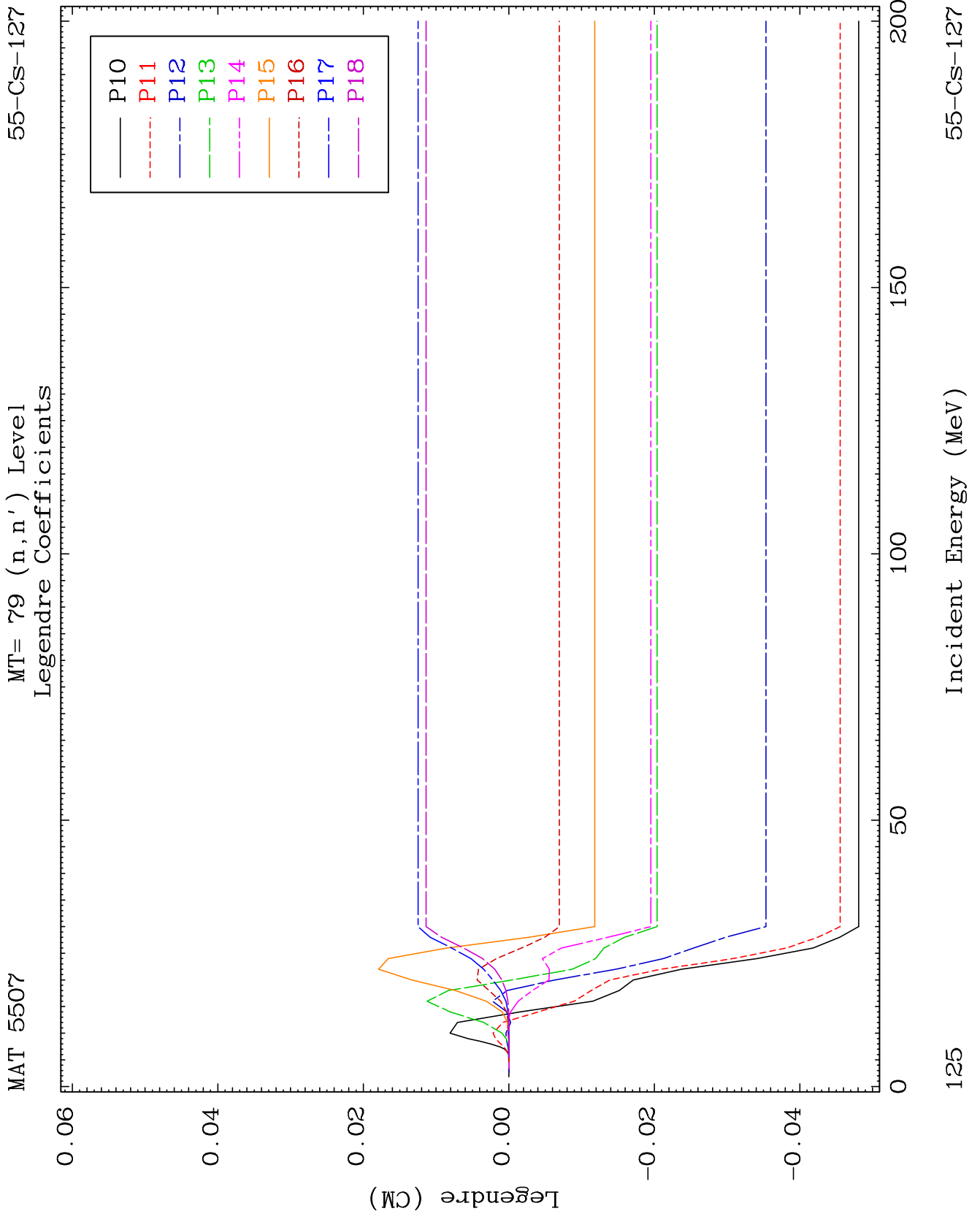
MT= 78 (n,n') Level  
Legendre Coefficients

55-Cs-127



123



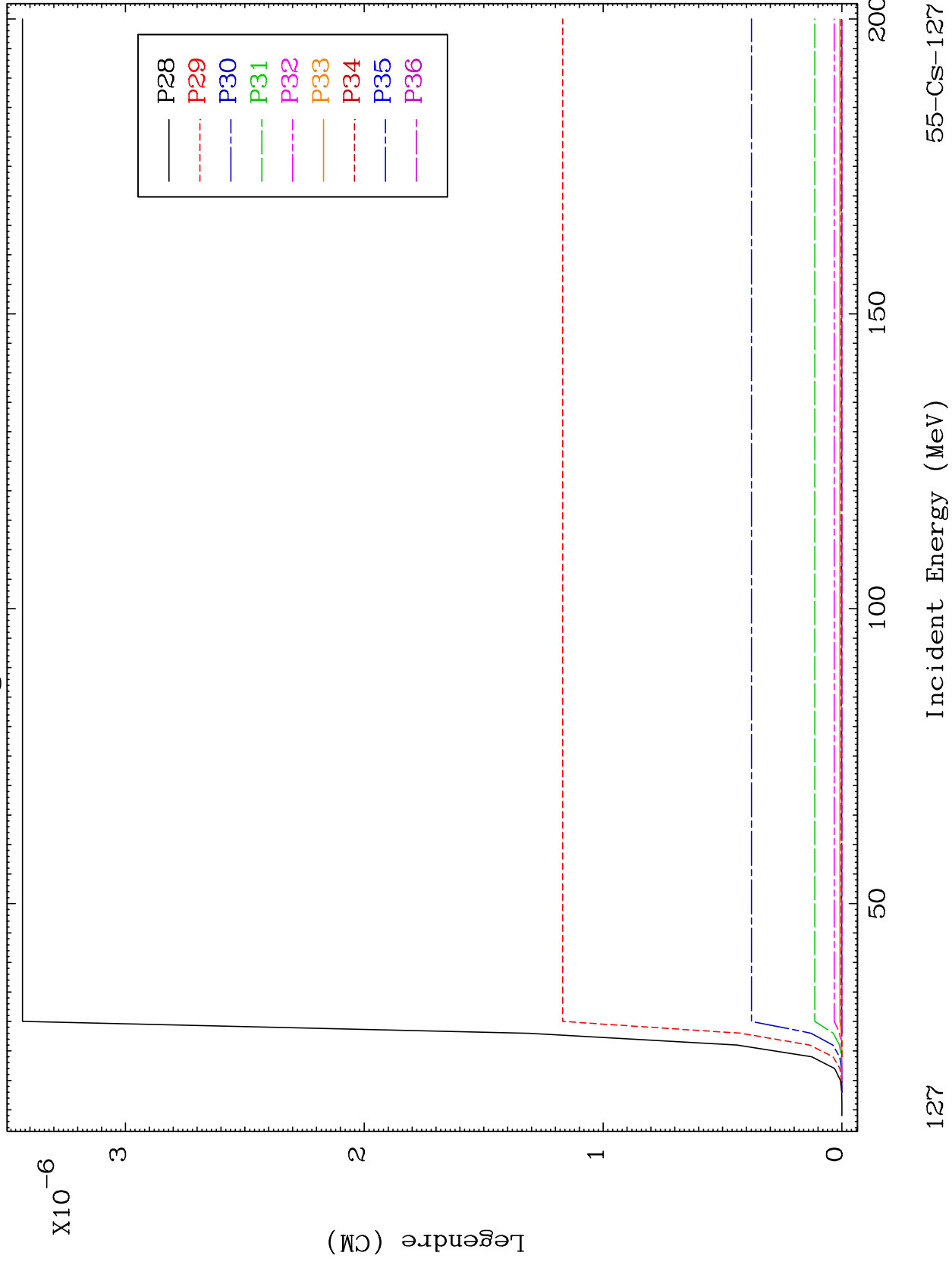




MAT 5507

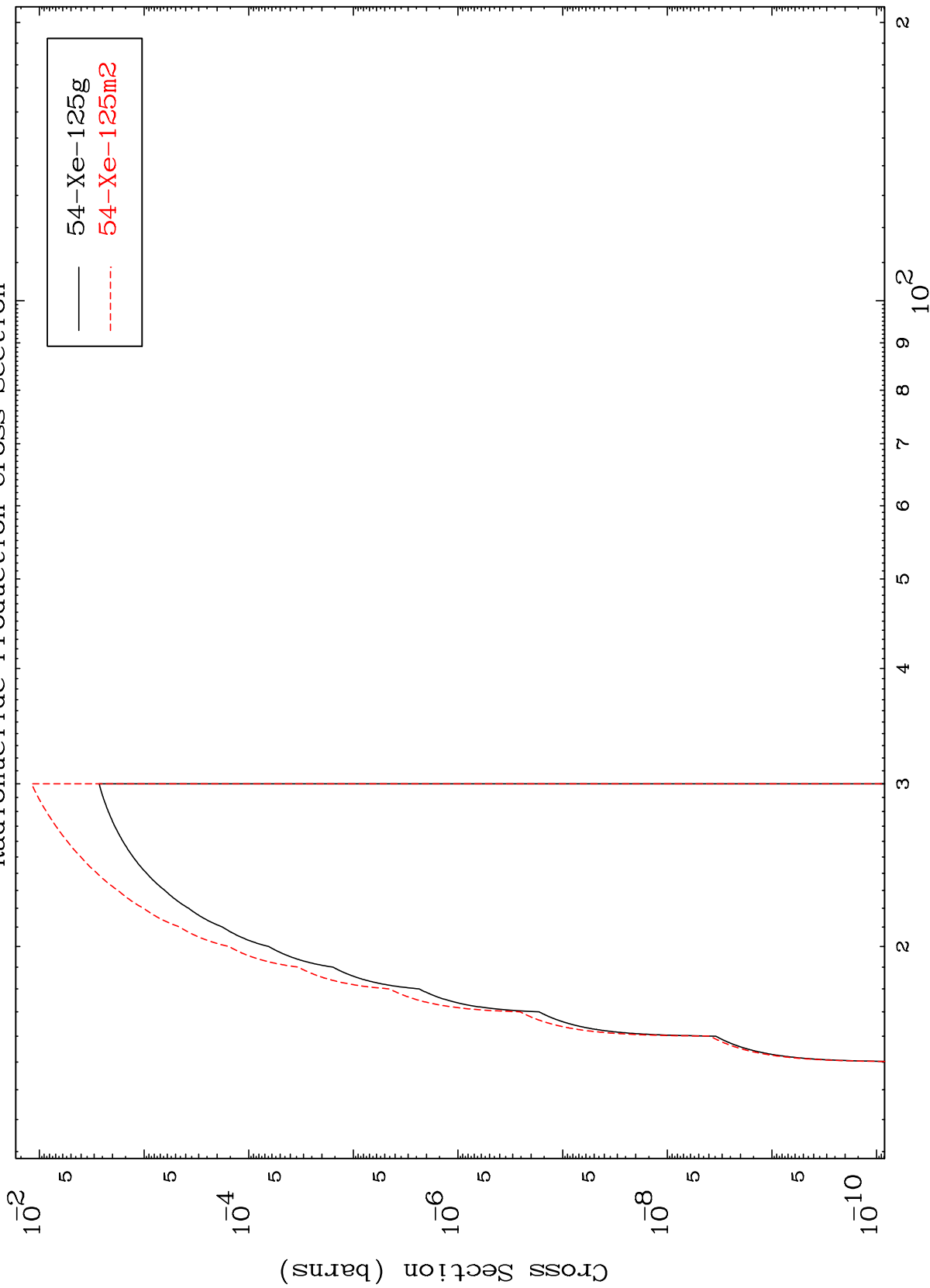
MT= 79 (n,n') Level  
Legendre Coefficients

55-Cs-127





Radionuclide Production Cross Section

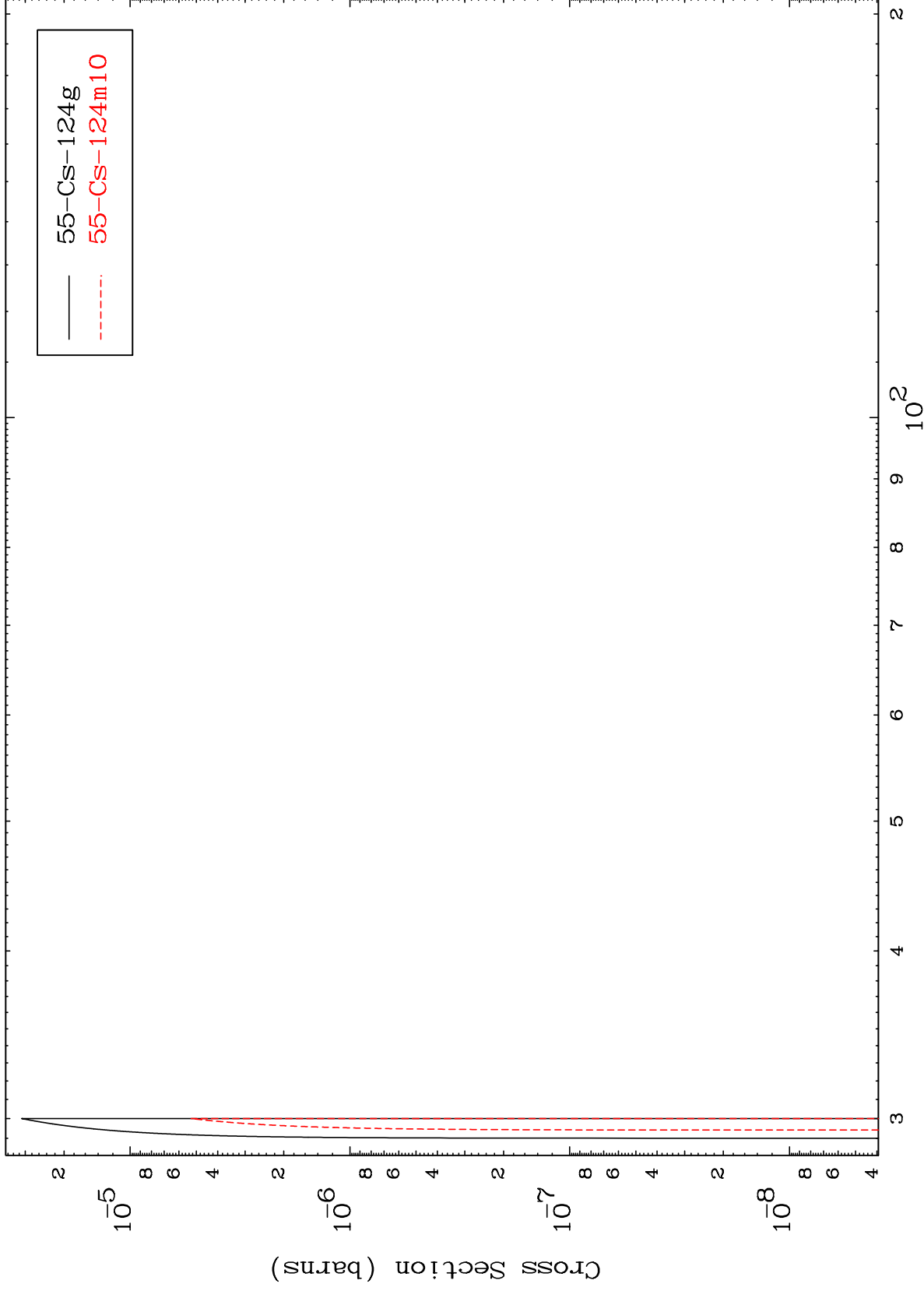


MAT 5507

(n,4n)

55-Cs-127

Radionuclide Production Cross Section



129

Incident Energy (MeV)

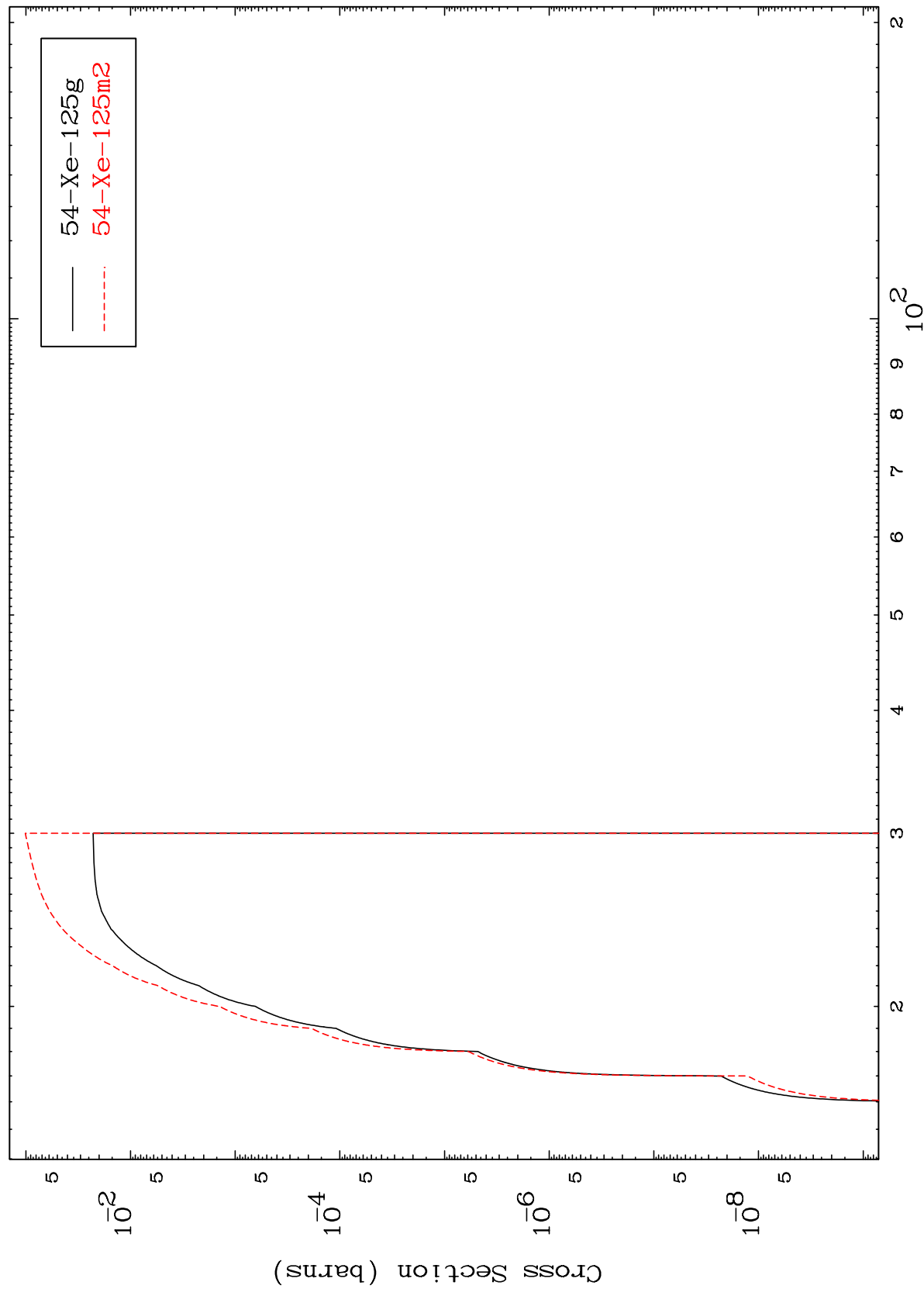
55-Cs-127

MAT 5507

(n,2n) p

55-Cs-127

Radionuclide Production Cross Section



130

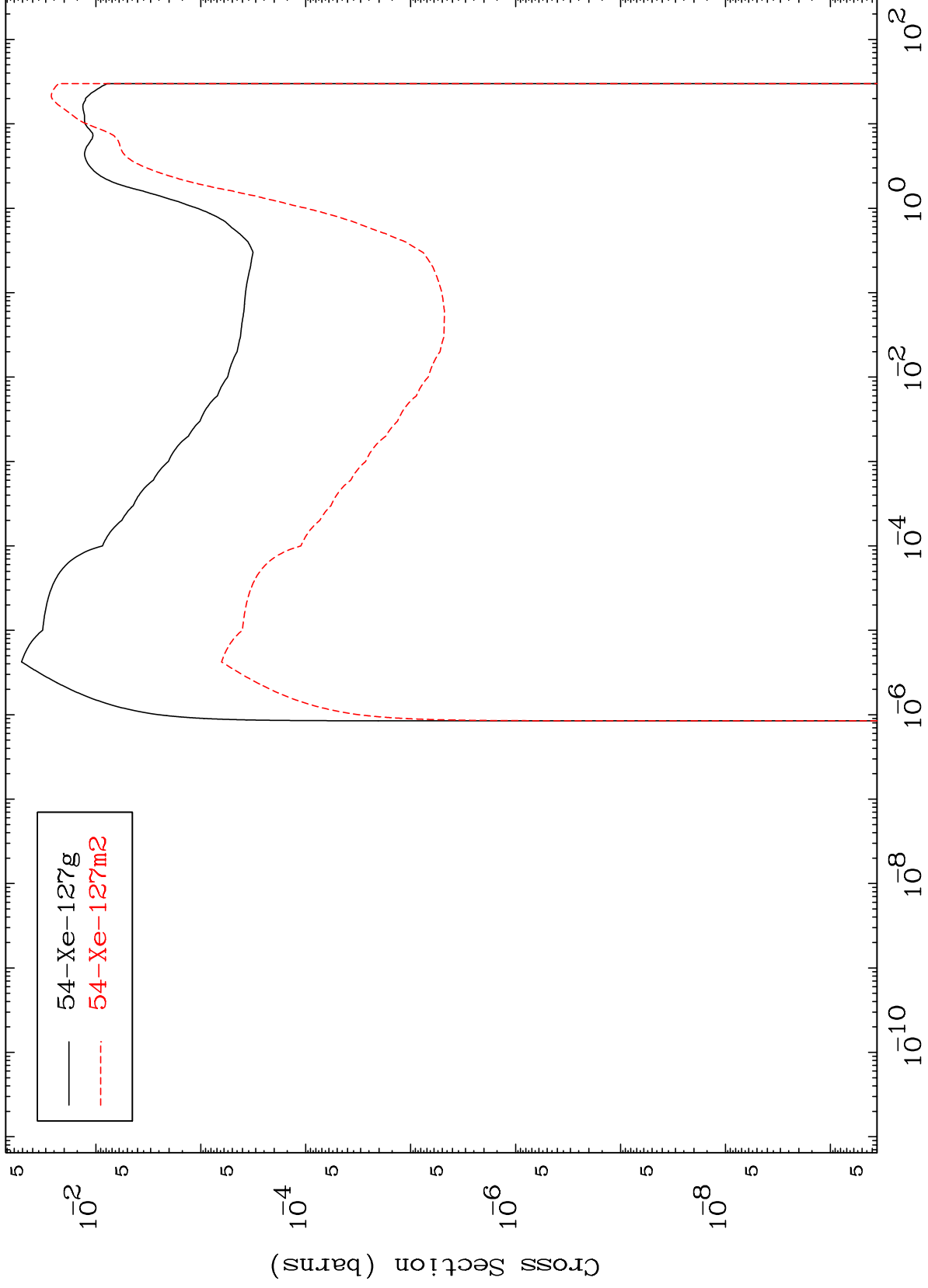
Incident Energy (MeV)

55-Cs-127

MAT 5507

55-Cs-127

(n,p)  
Radionuclide Production Cross Section



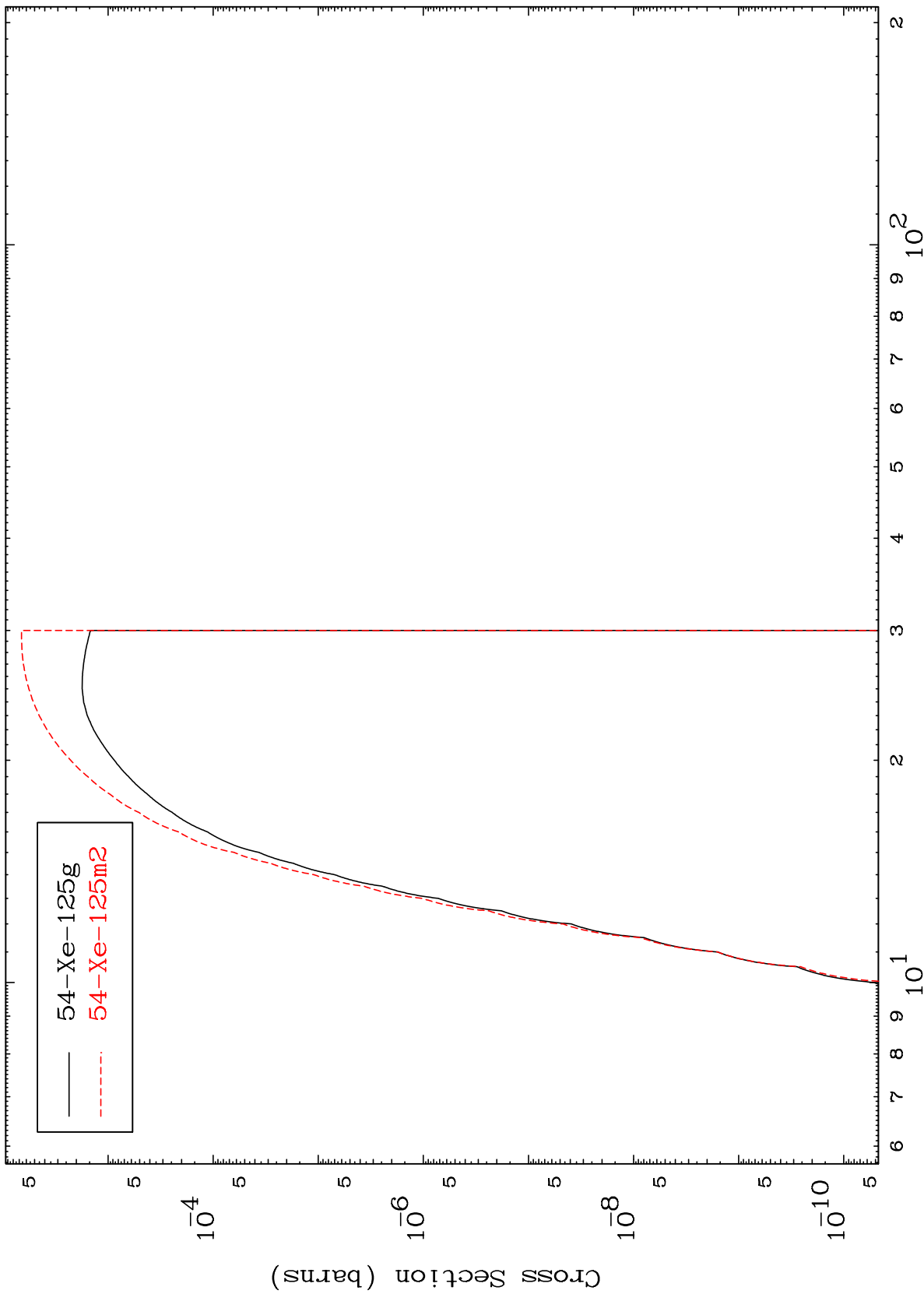
131

55-Cs-127

MAT 5507

55-Cs-127

(n, t)  
Radionuclide Production Cross Section



54-Xe-125g  
54-Xe-125m2

55-Cs-127

Incident Energy (MeV)

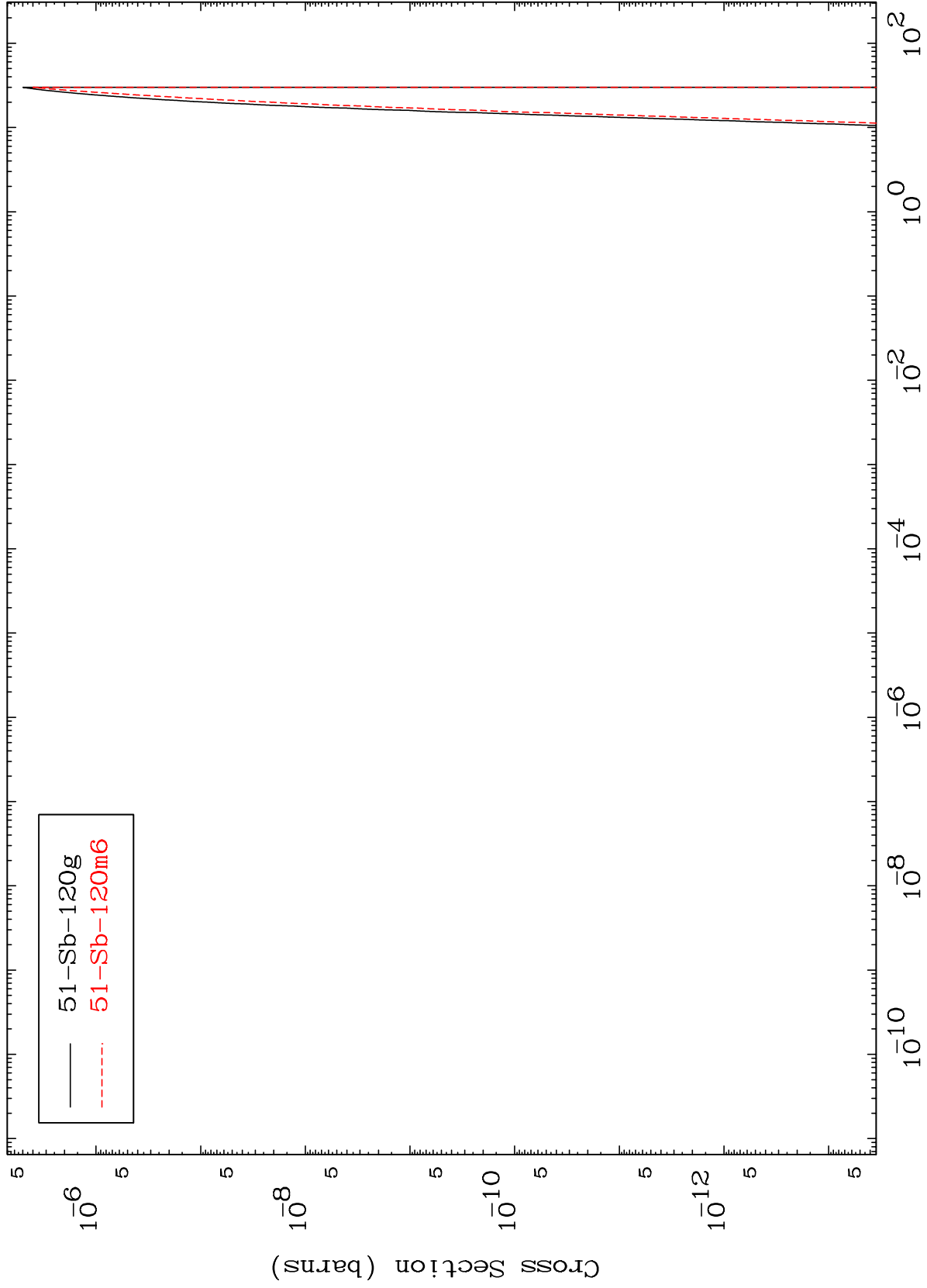
132

MAT 5507

(n,2α)

55-Cs-127

Radionuclide Production Cross Section



133

Incident Energy (MeV)

55-Cs-127

MAT 5507

(n,p)  $\alpha$

55-Cs-127

Radionuclide Production Cross Section

