

Program EVALPLOT  
(Version 2021-1)

by

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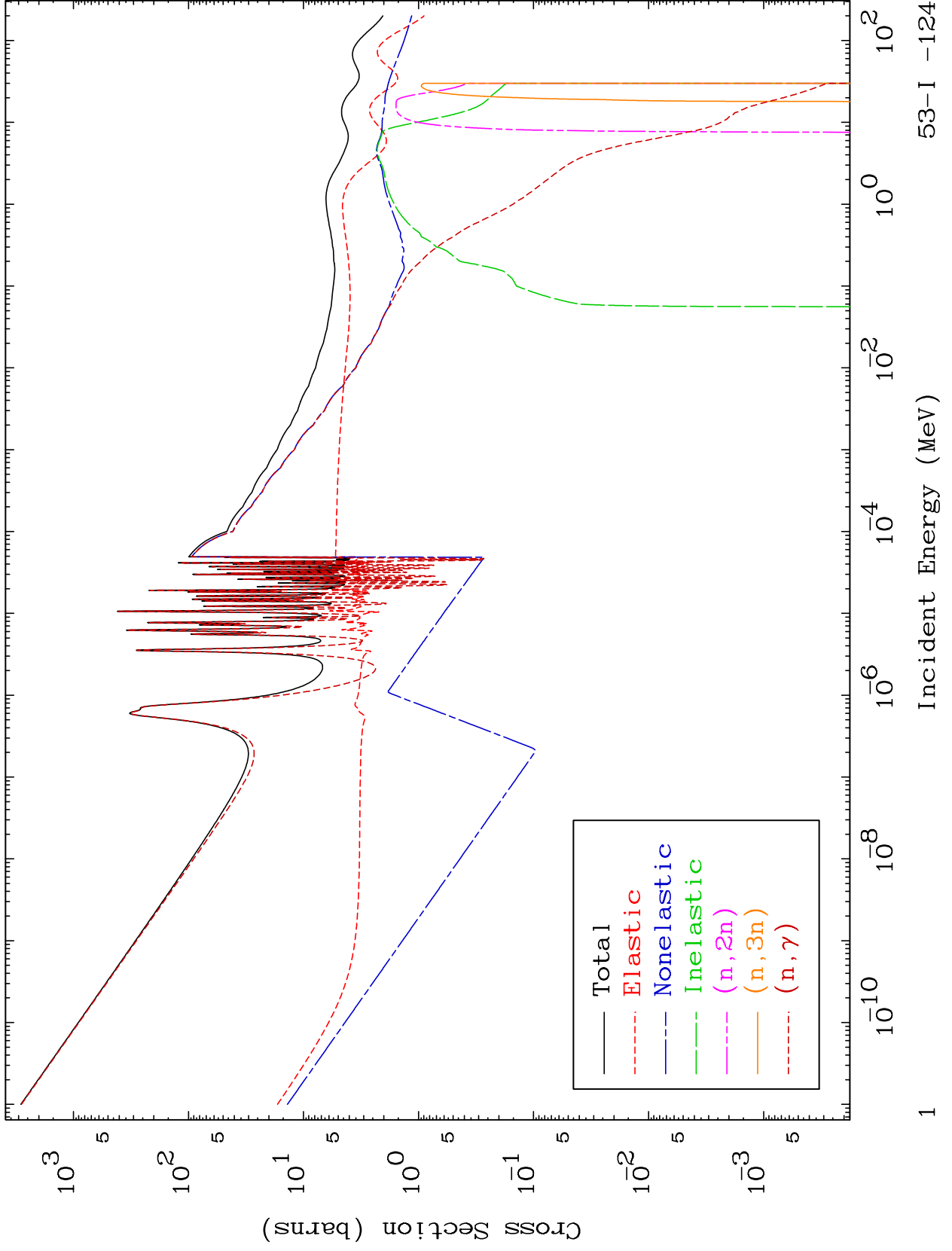
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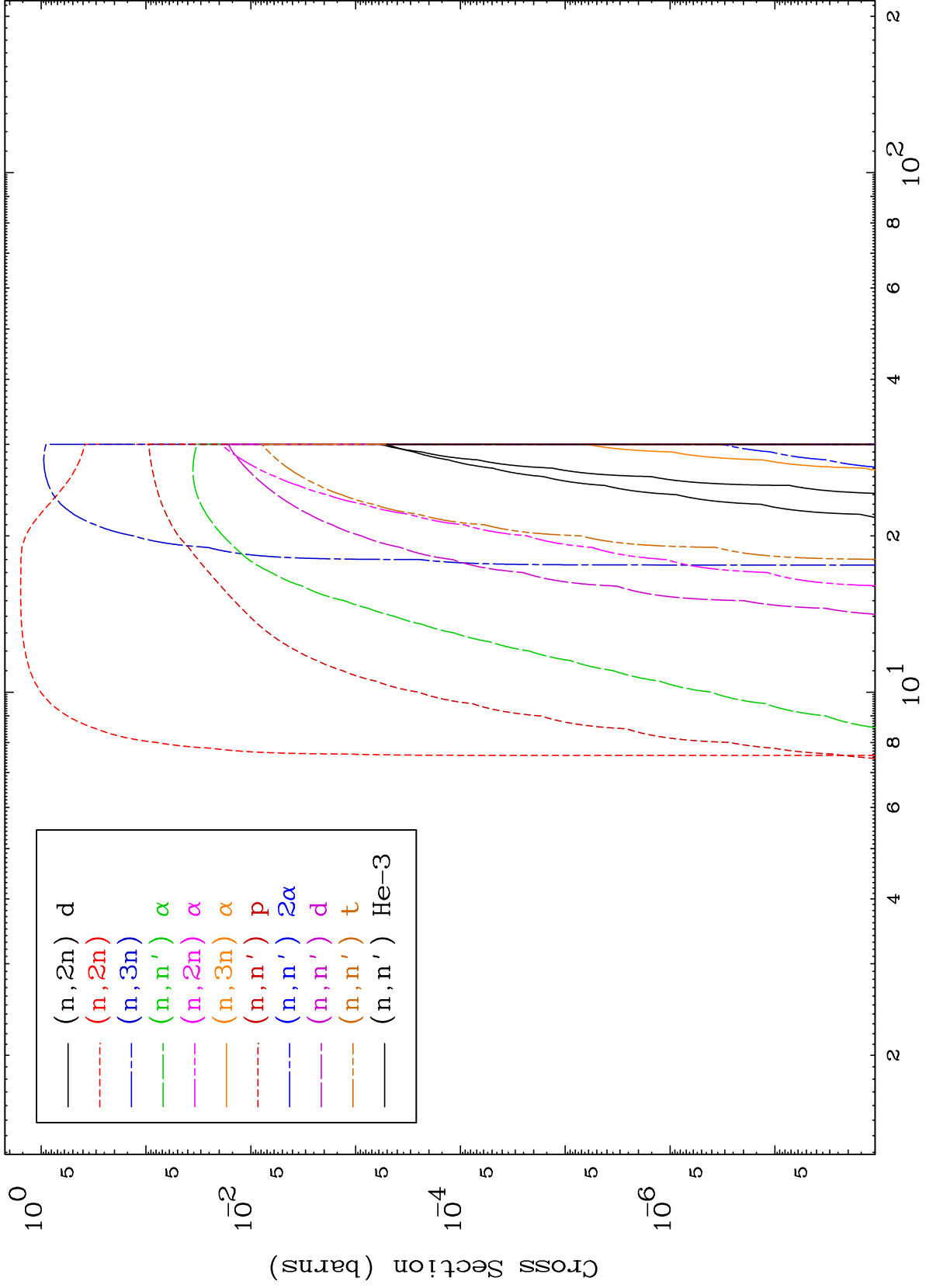
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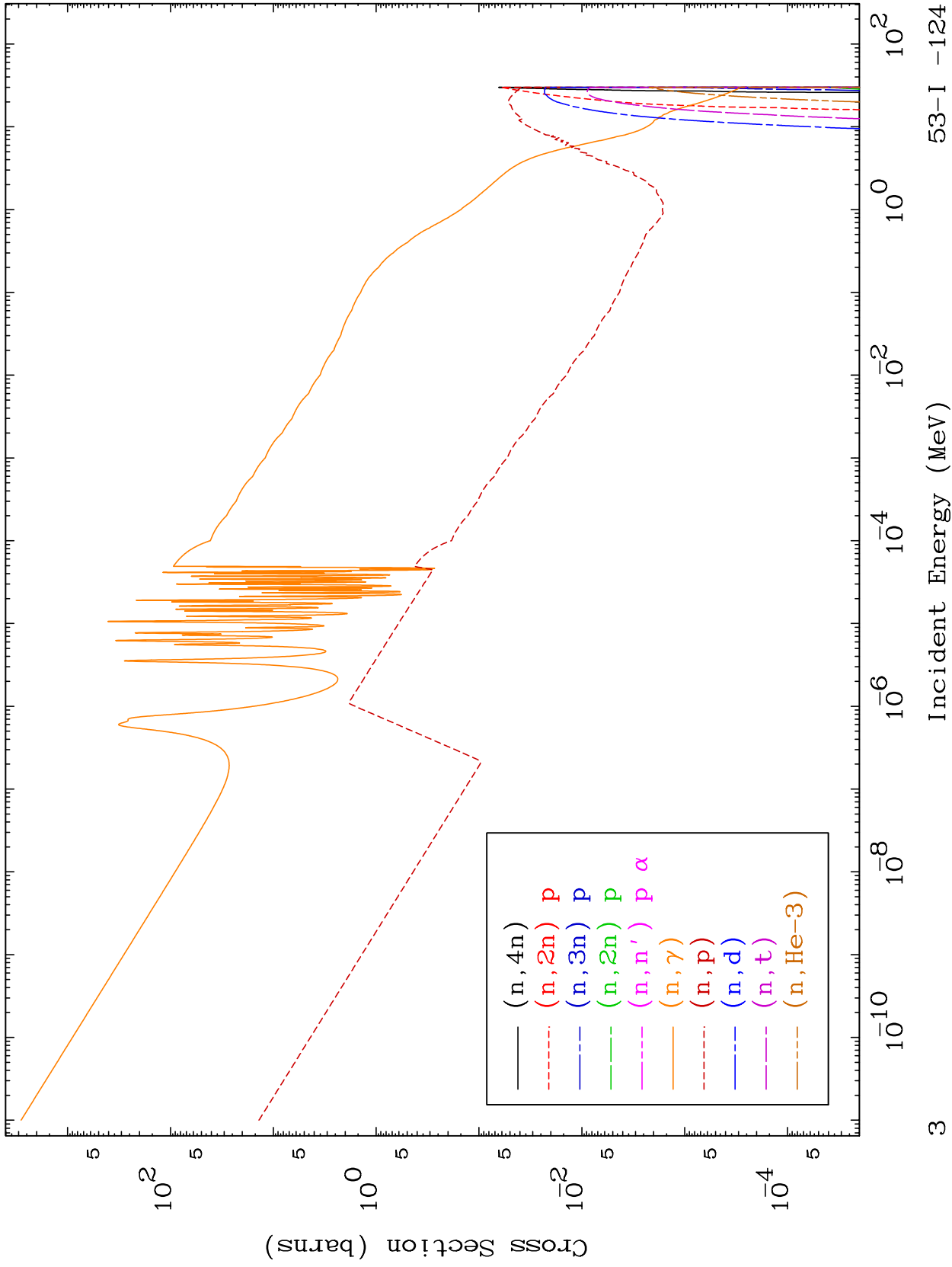
MAT 5316

Neutron Major  
293 Kelvin Cross Sections

53-I -124



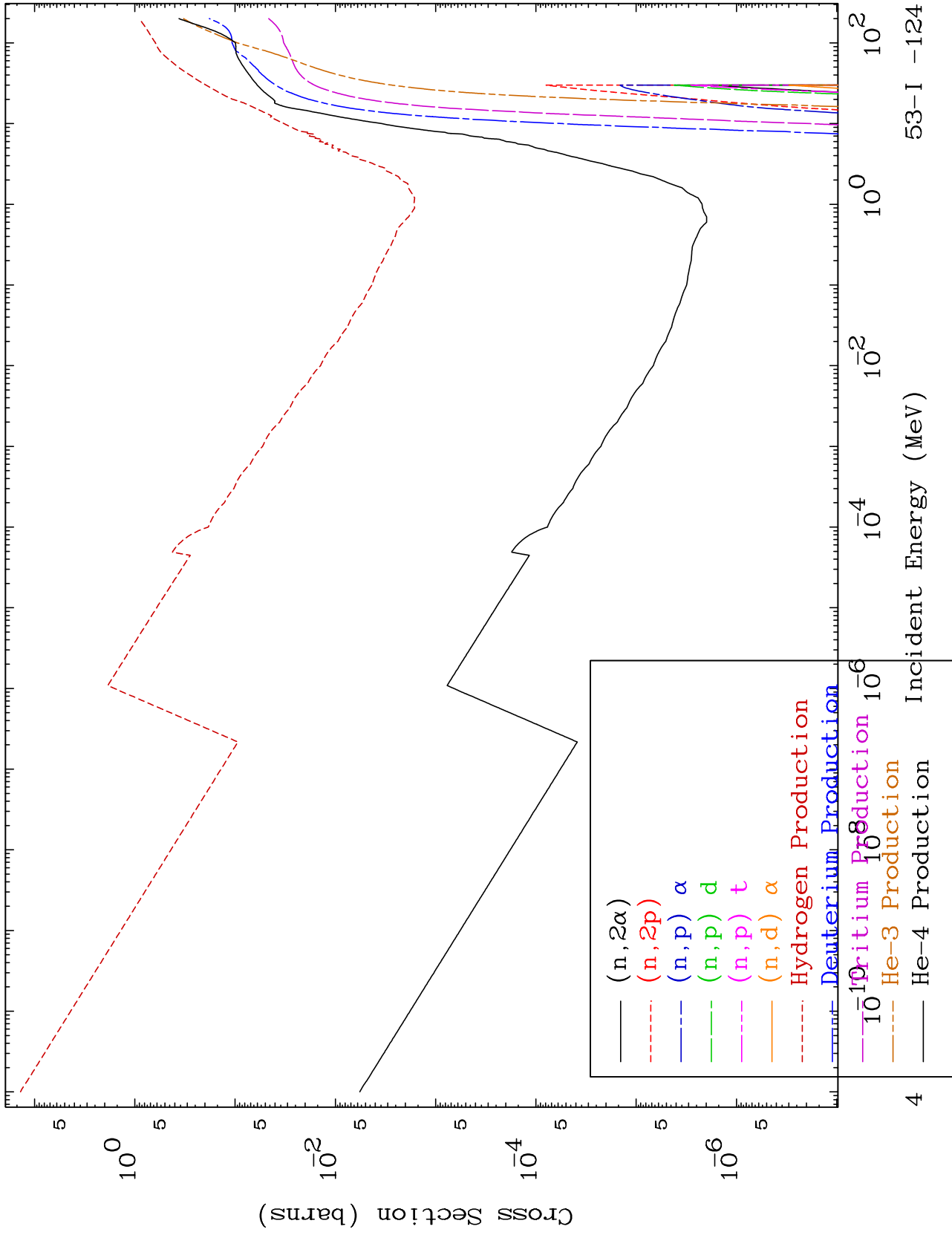




MAT 5316

Neutron Absorption  
293 Kelvin Cross Sections

53-I -124



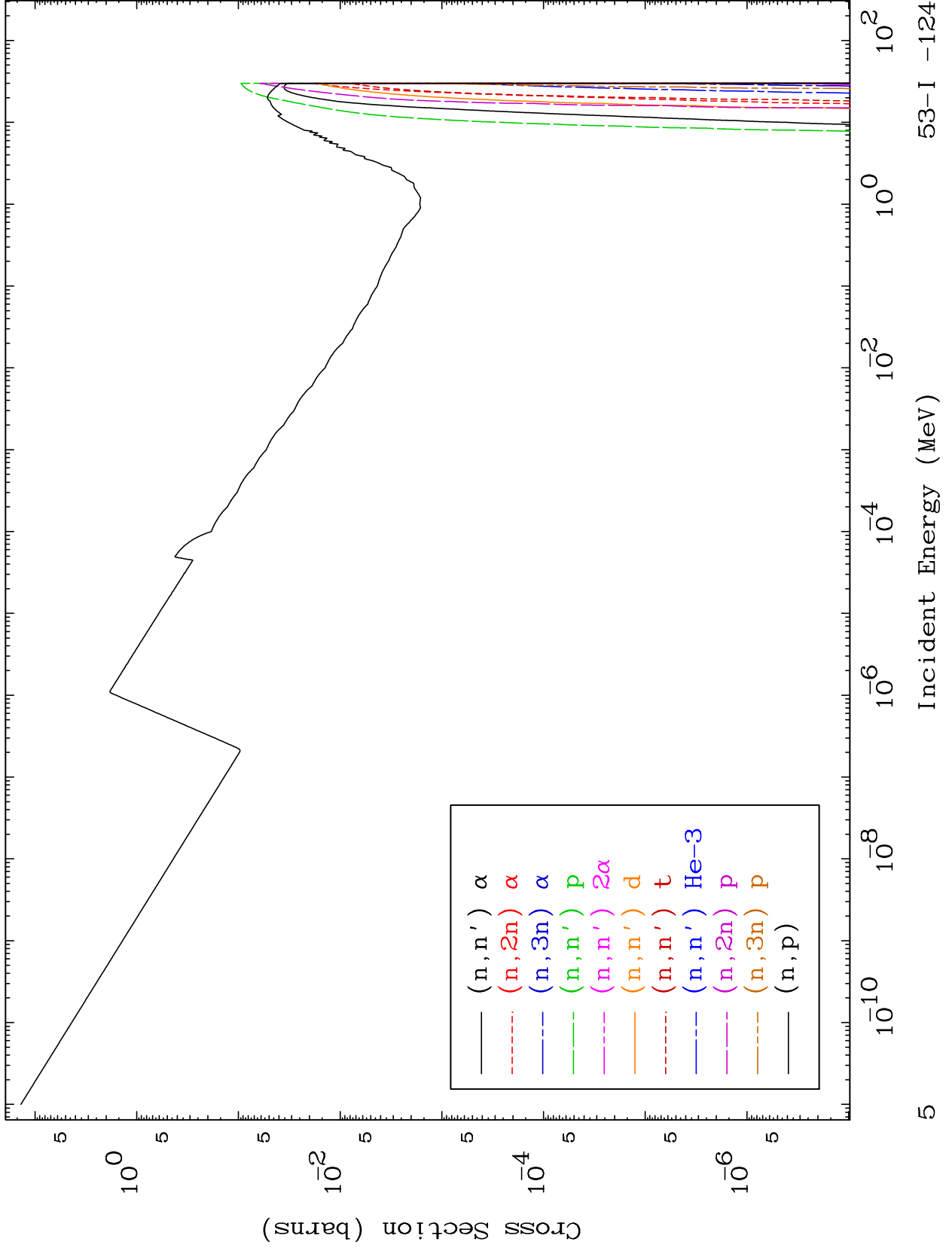
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53-I -124

MAT 5316

Charged Particle  
293 Kelvin Cross Sections

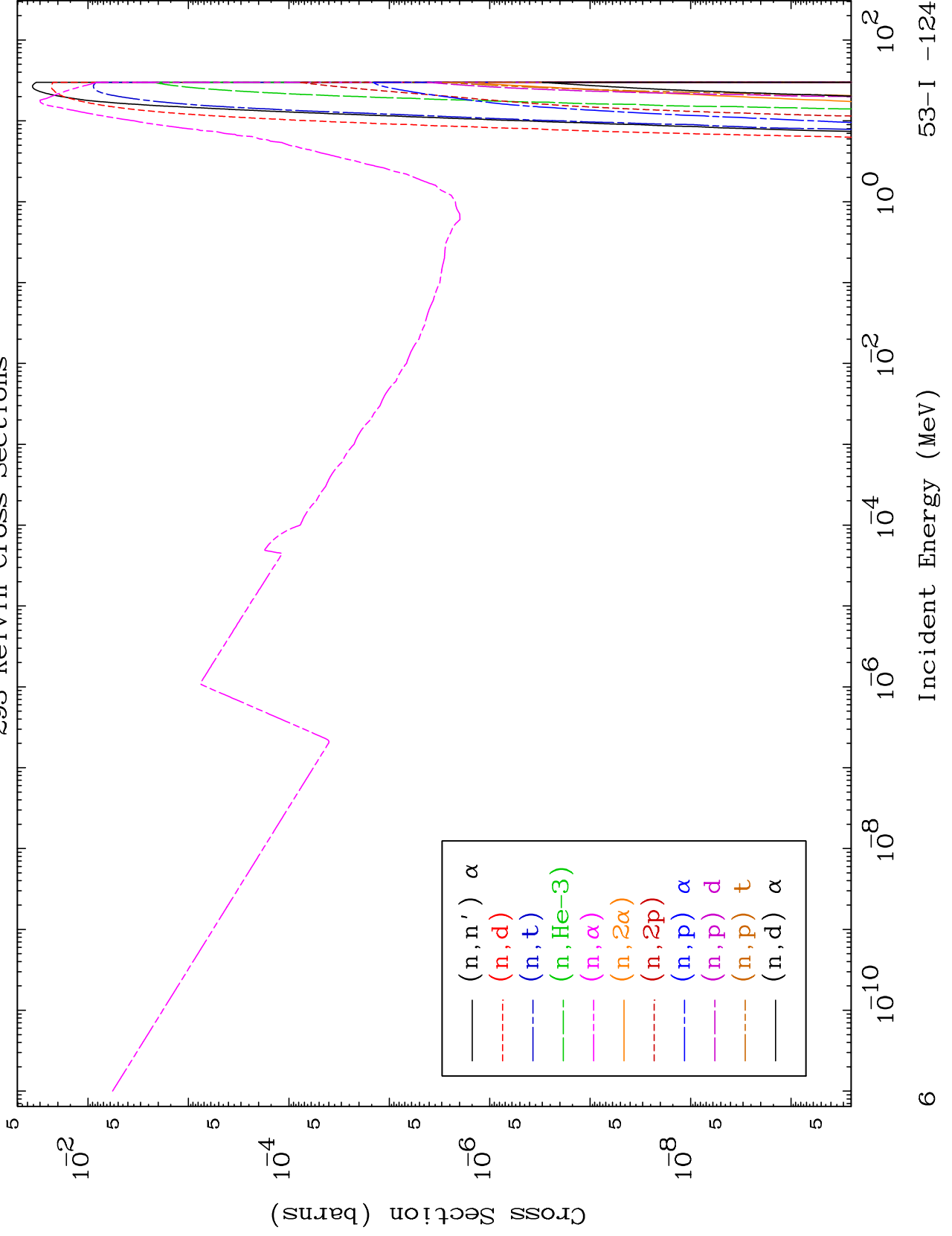
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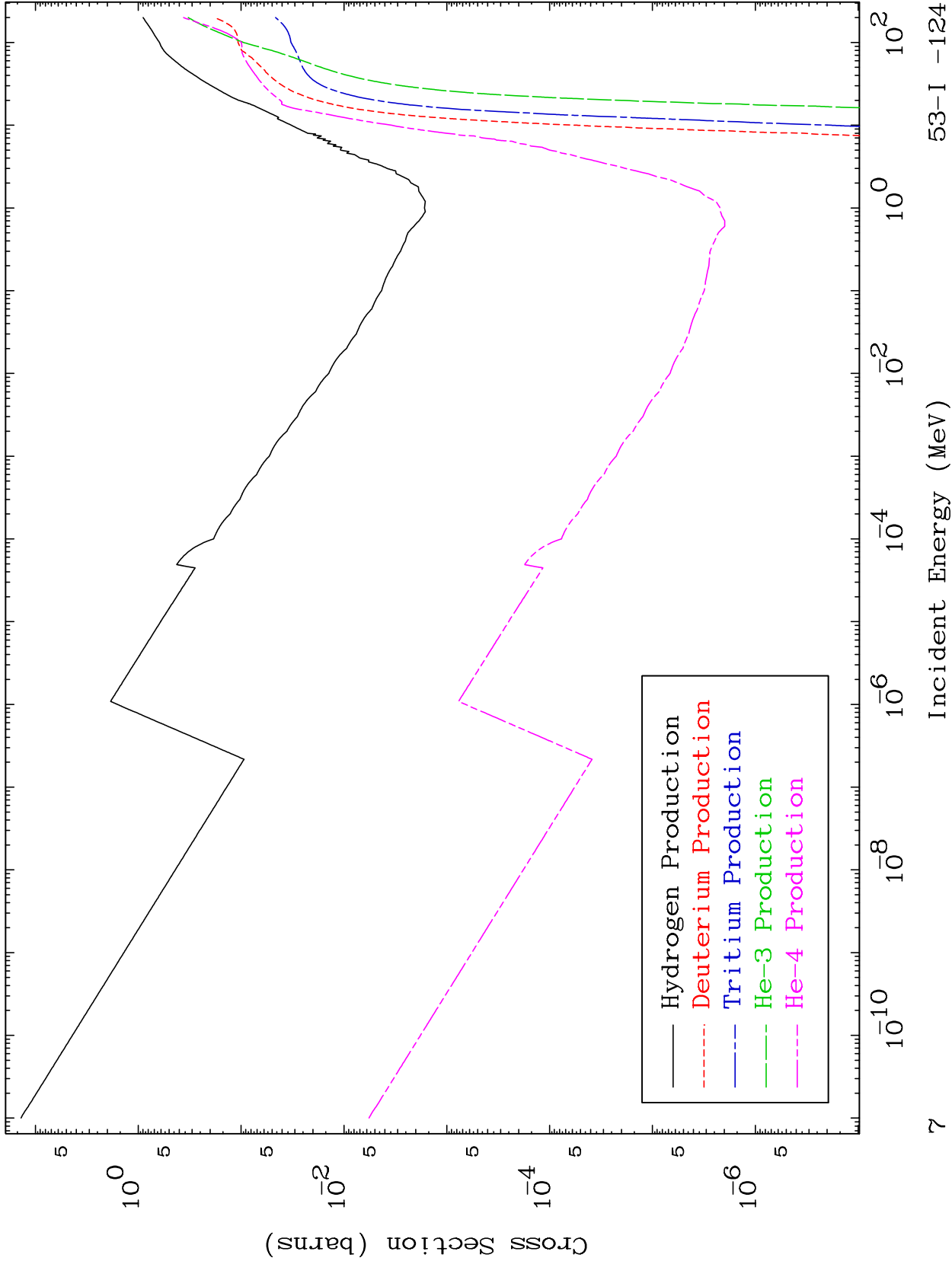


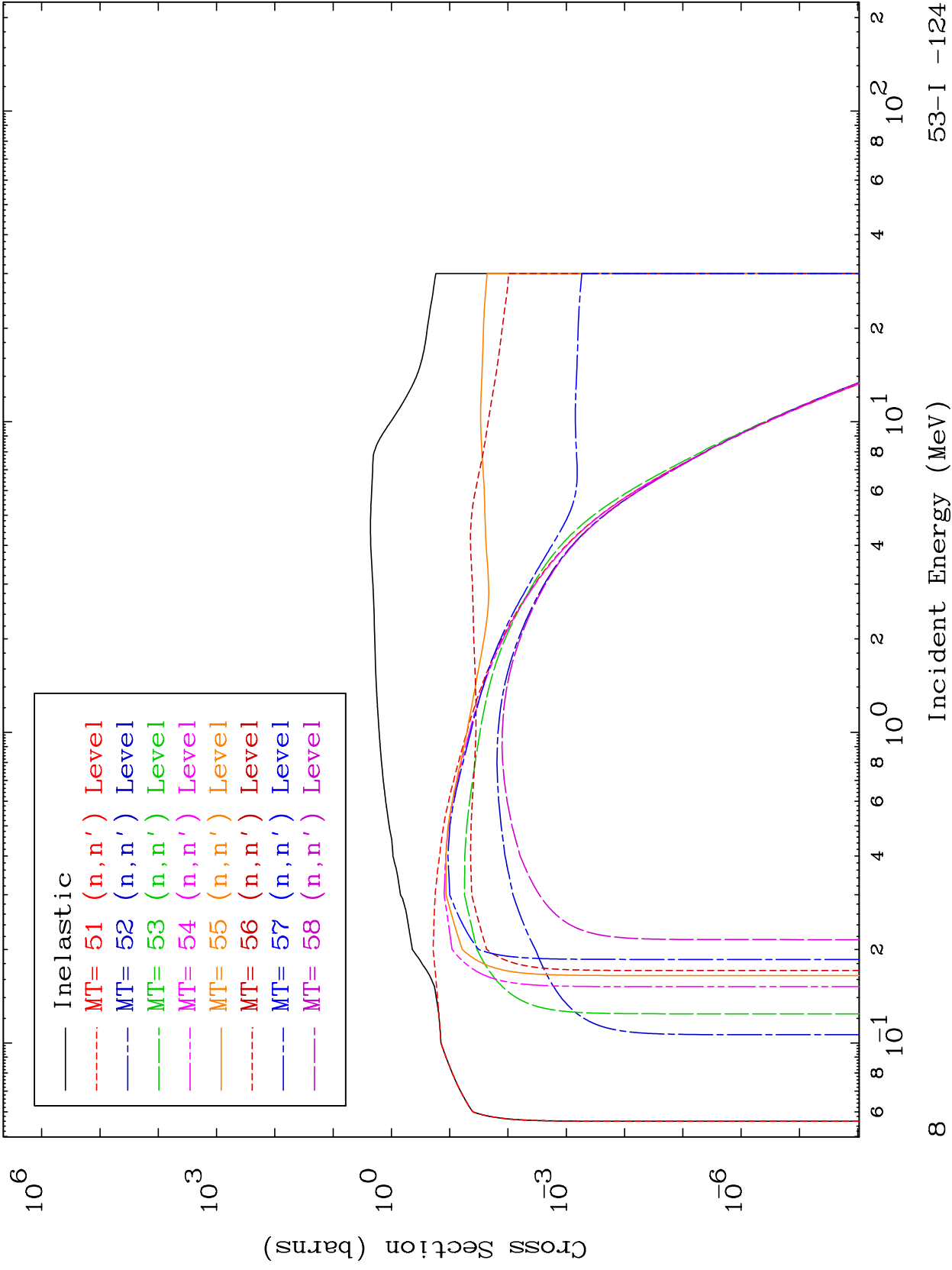
MAT 5316

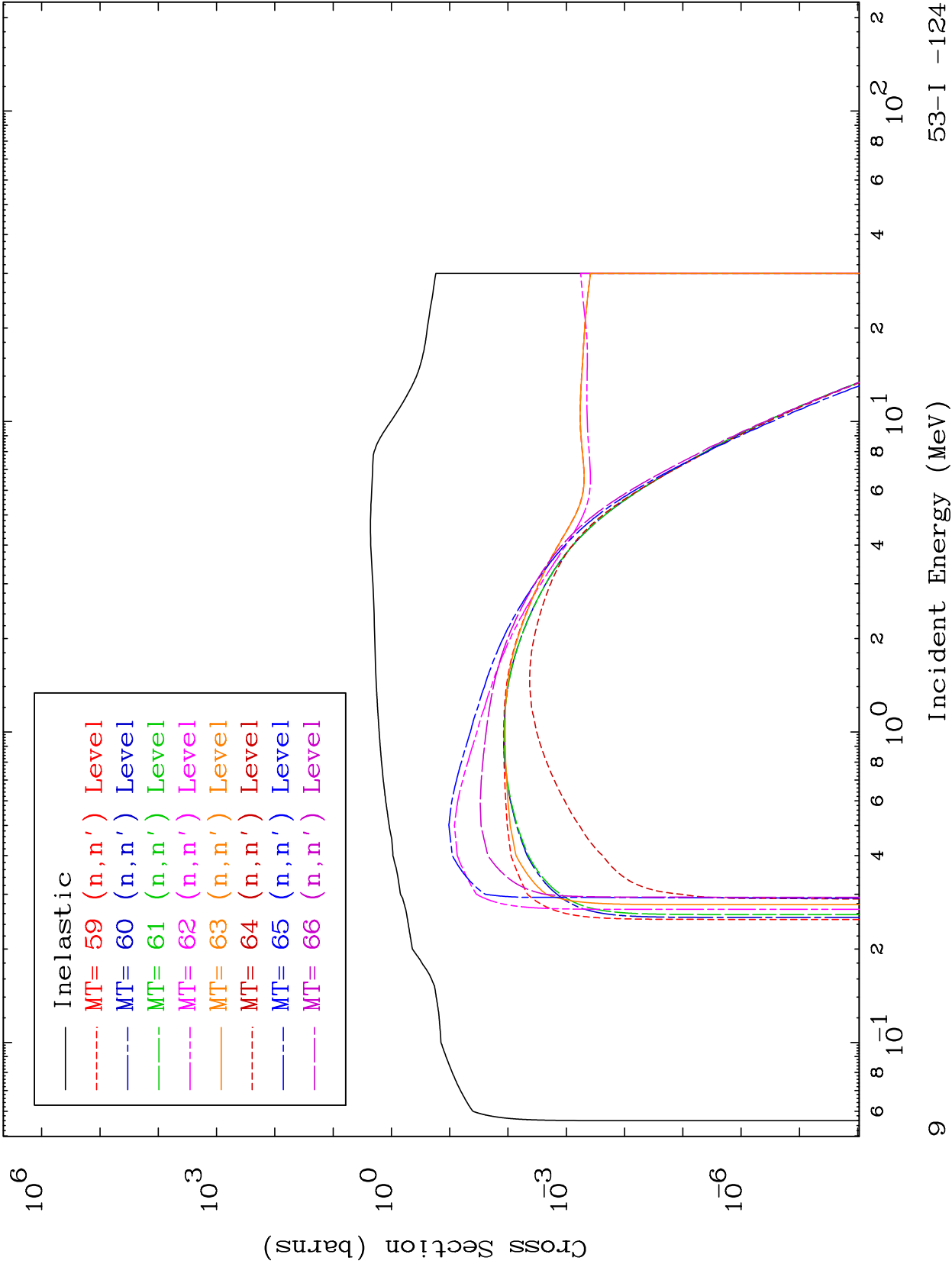
Charged Particle  
293 Kelvin Cross Sections

53-I -124





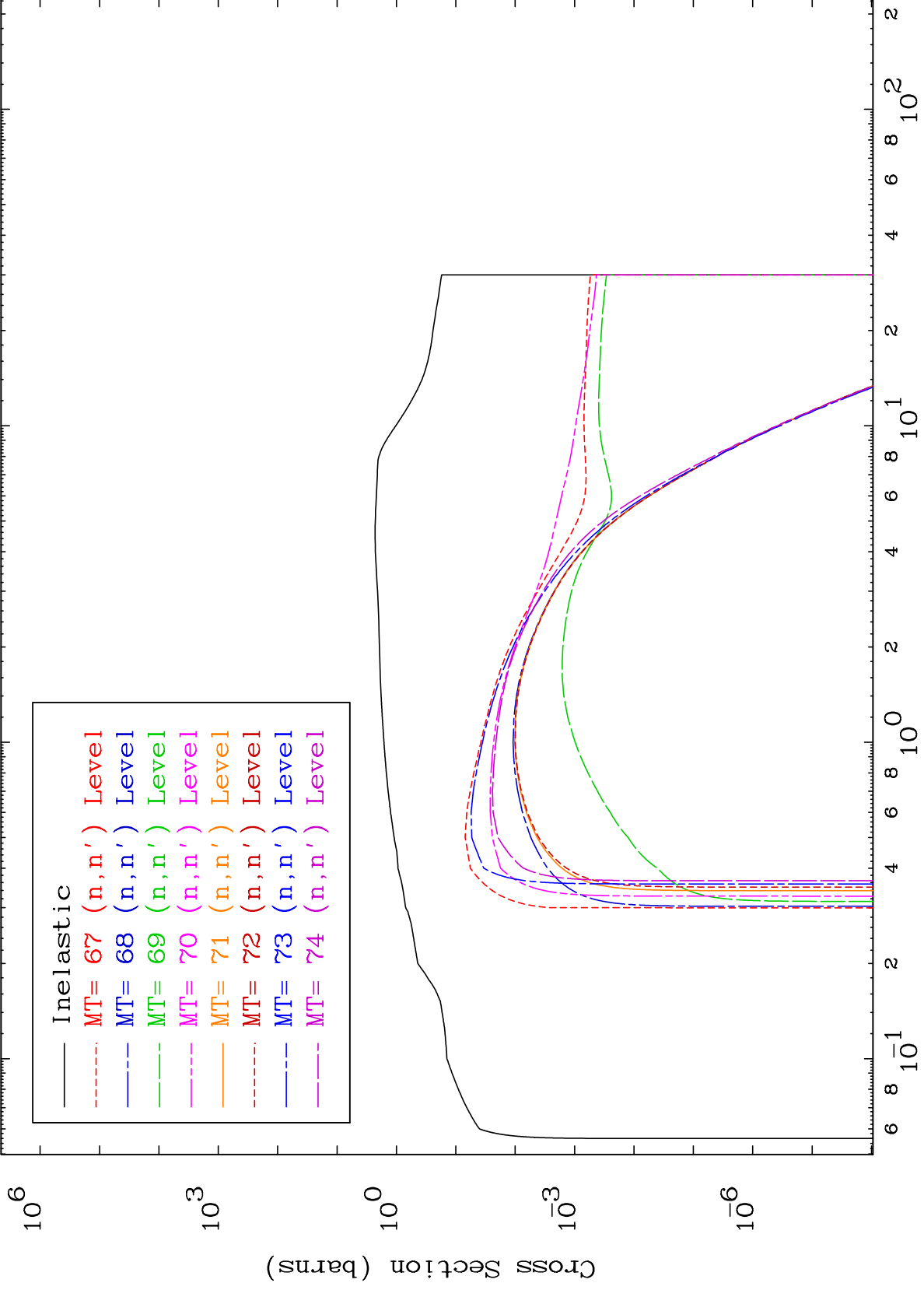




MAT 5316

(n,n') Levels  
293 Kelvin Cross Sections

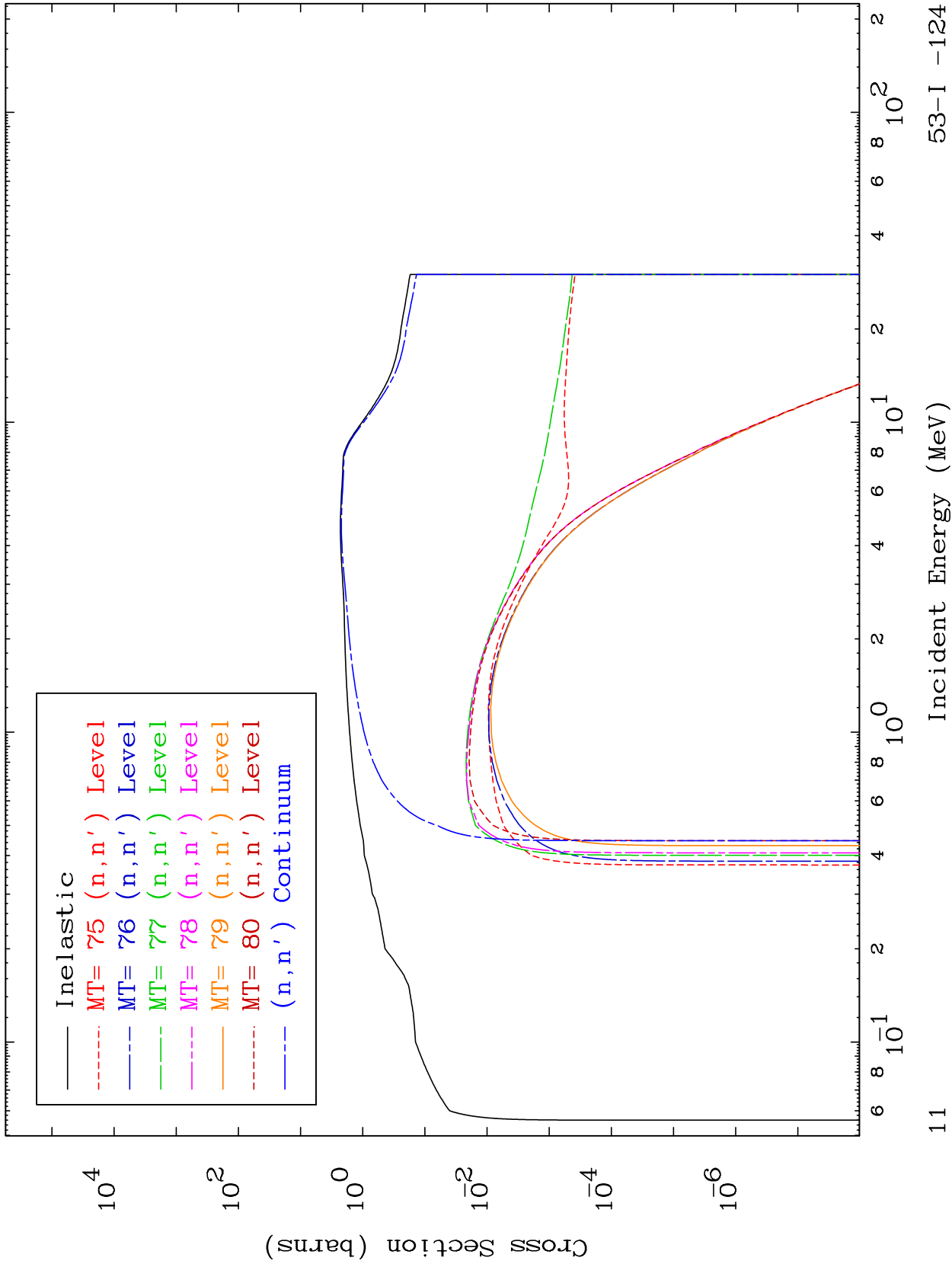
53-I -124



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Incident Energy (MeV)

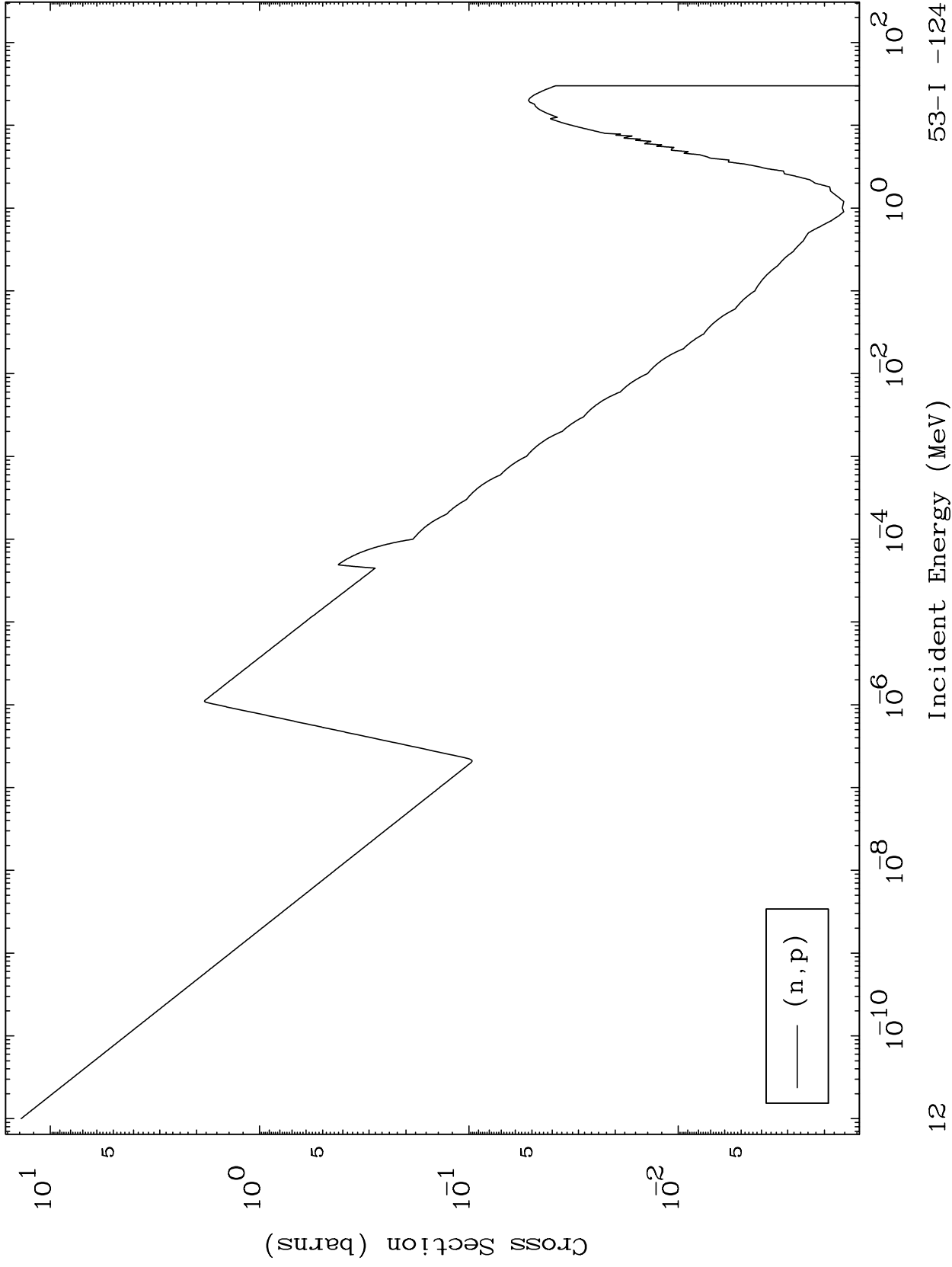
53-I -124



MAT 5316

(n,p) Levels  
293 Kelvin Cross Sections

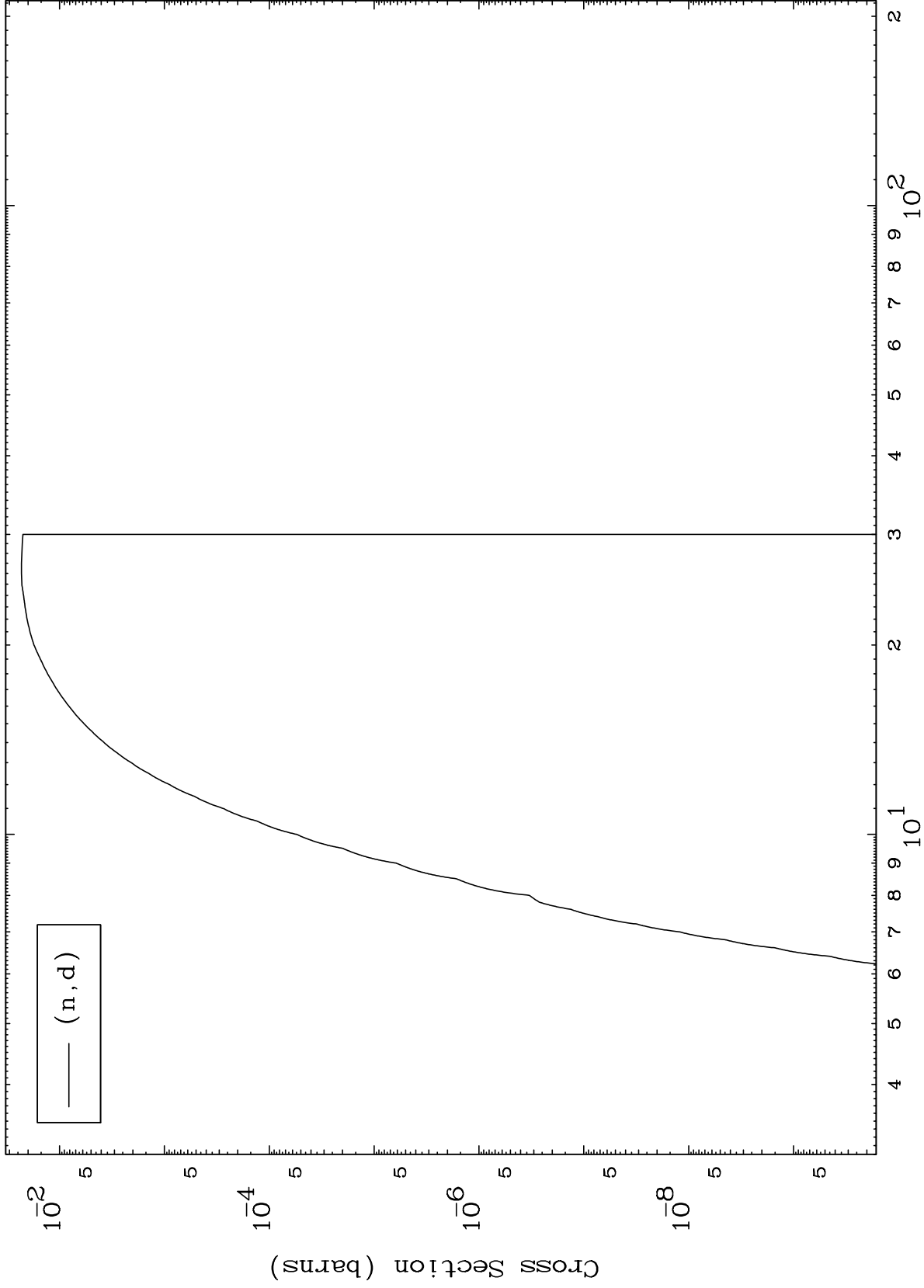
53-I -124



MAT 5316

(n,d) Levels  
293 Kelvin Cross Sections

53-I -124



13

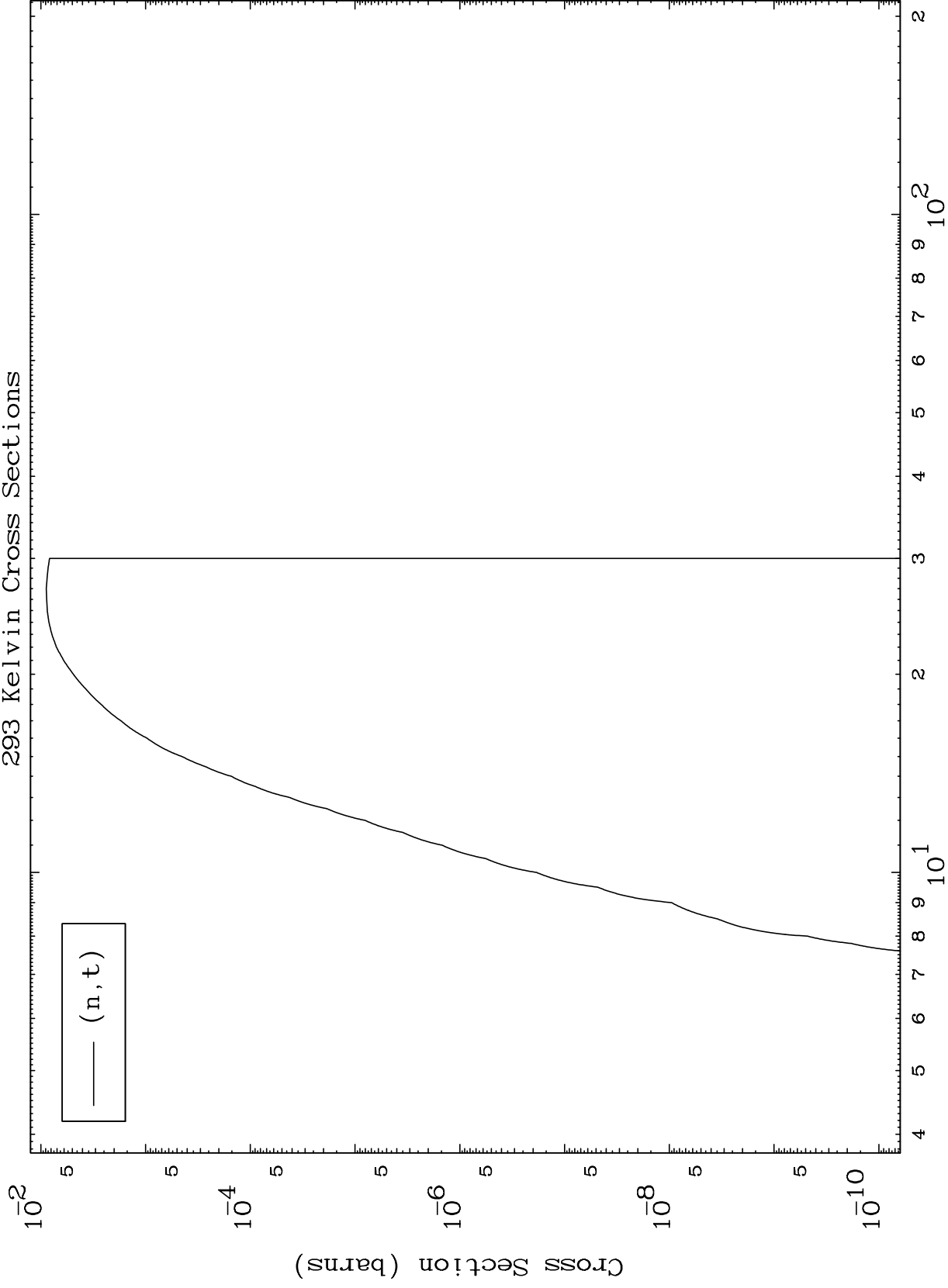
Incident Energy (MeV)

53-I -124

MAT 5316

(n,t) Levels  
293 Kelvin Cross Sections

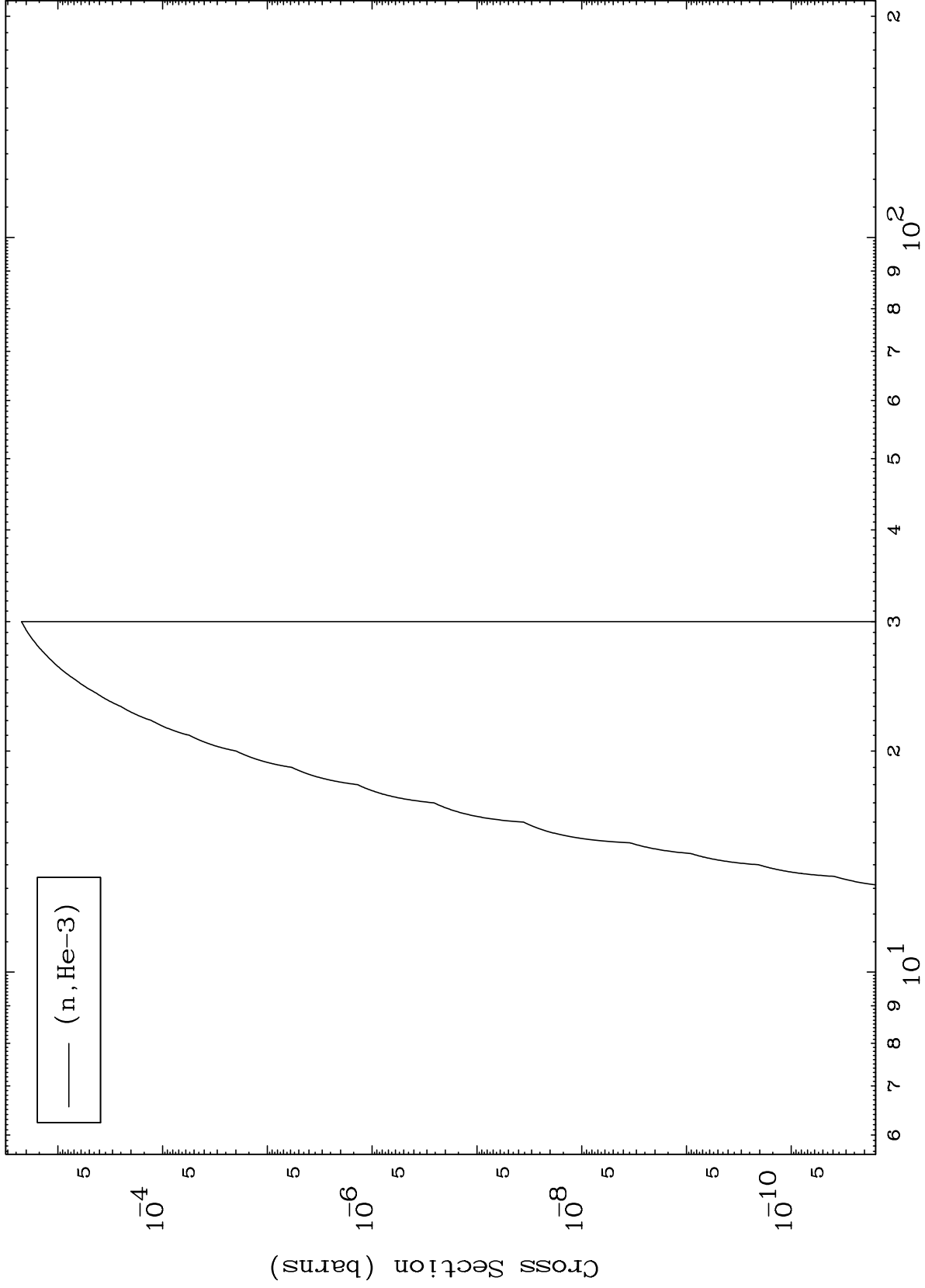
53-I -124



14

Incident Energy (MeV)

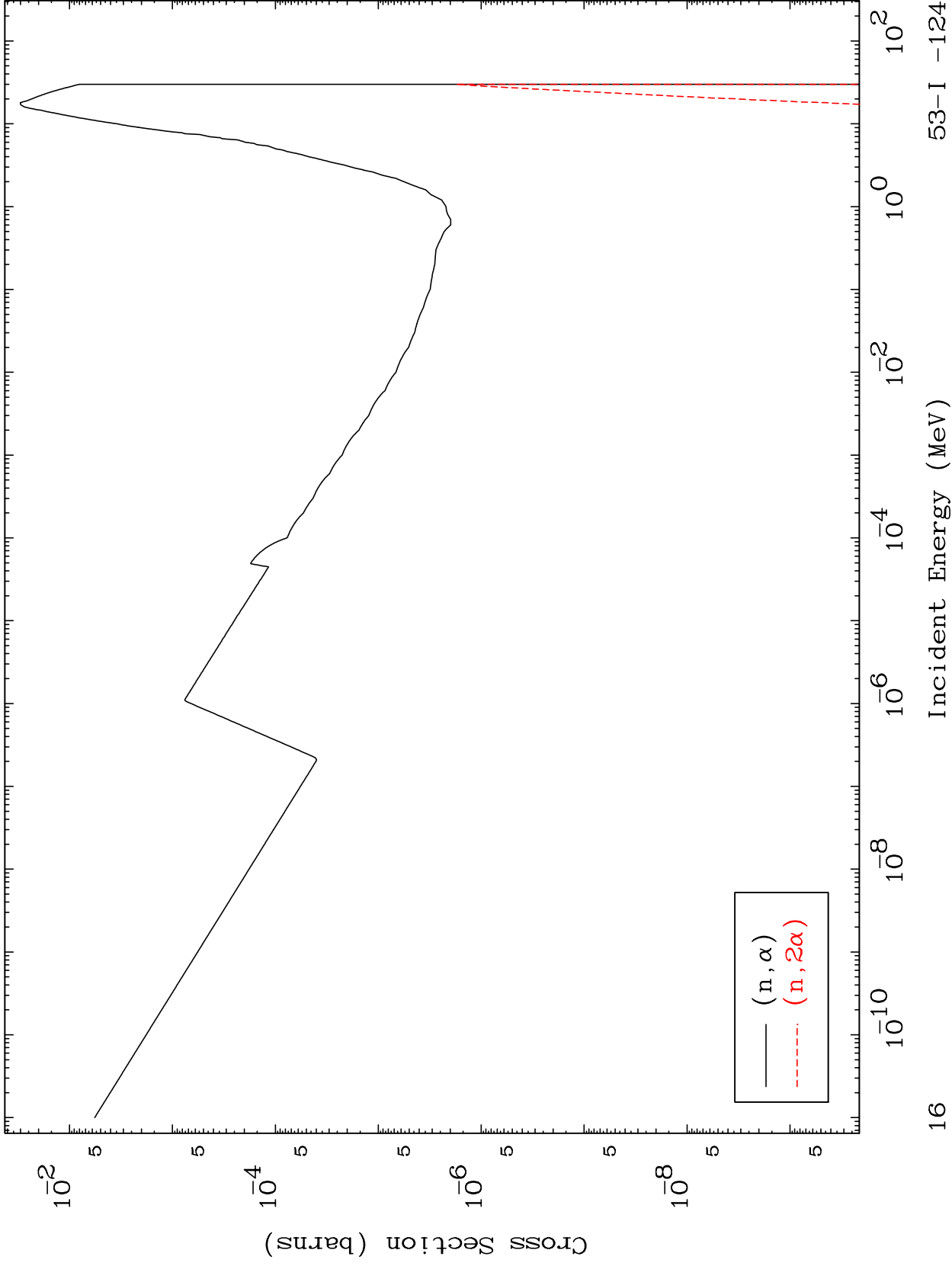
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MAT 5316

(n,α) Levels  
293 Kelvin Cross Sections

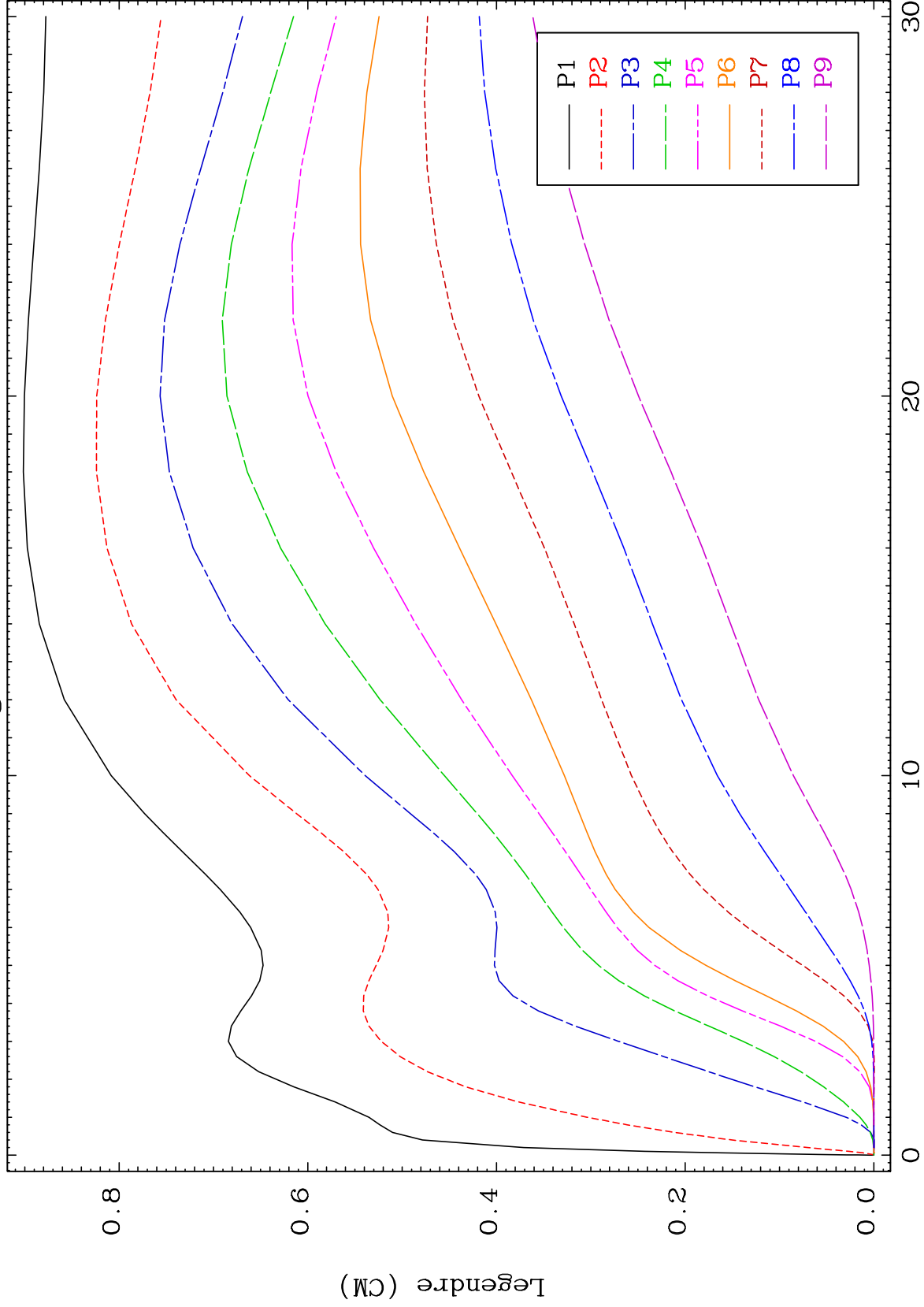
53-I -124



MAT 5316

Elastic Legendre Coefficients

53-I -124



17

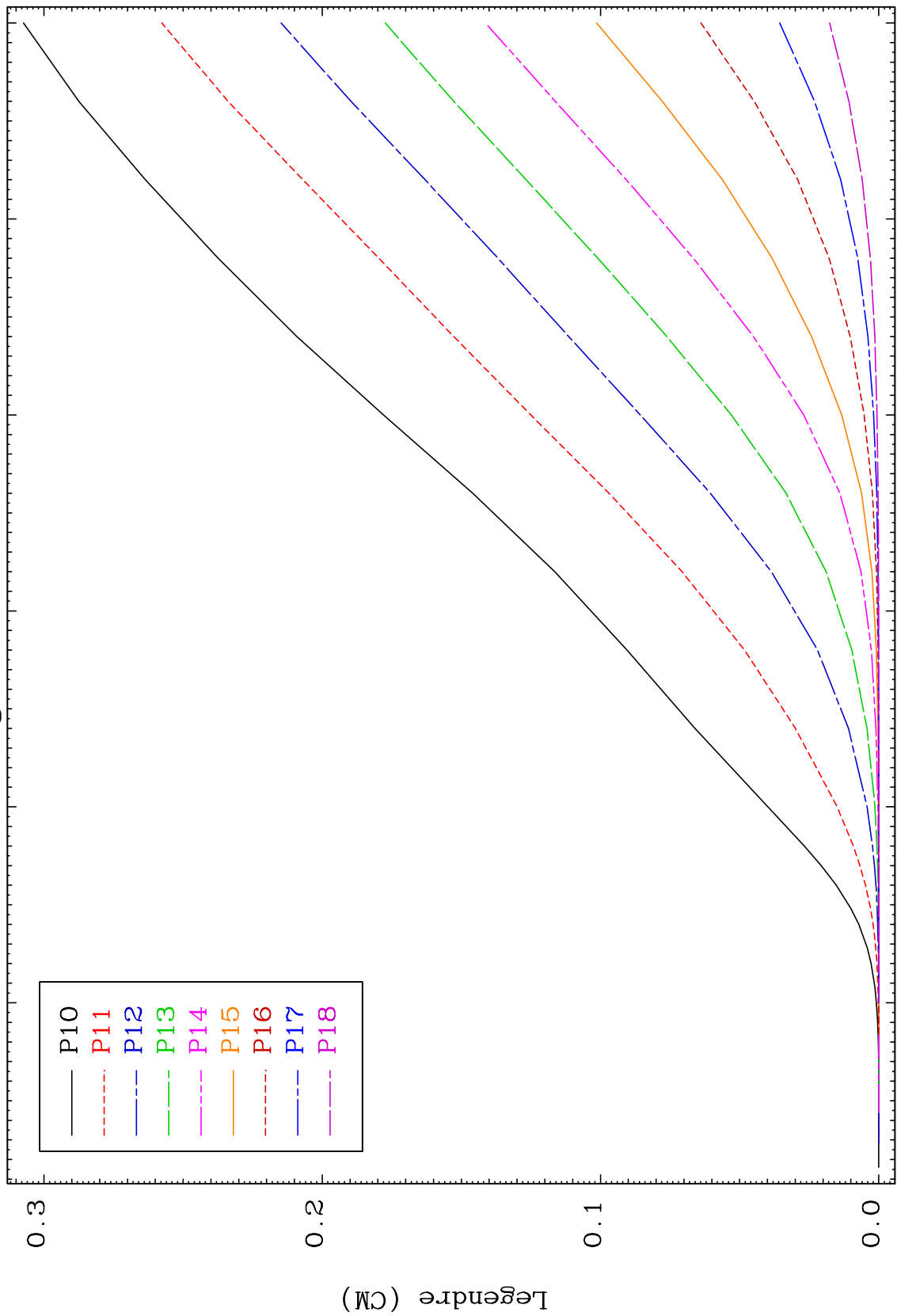
Incident Energy (MeV)

53-I -124

MAT 5316

Elastic Legendre Coefficients

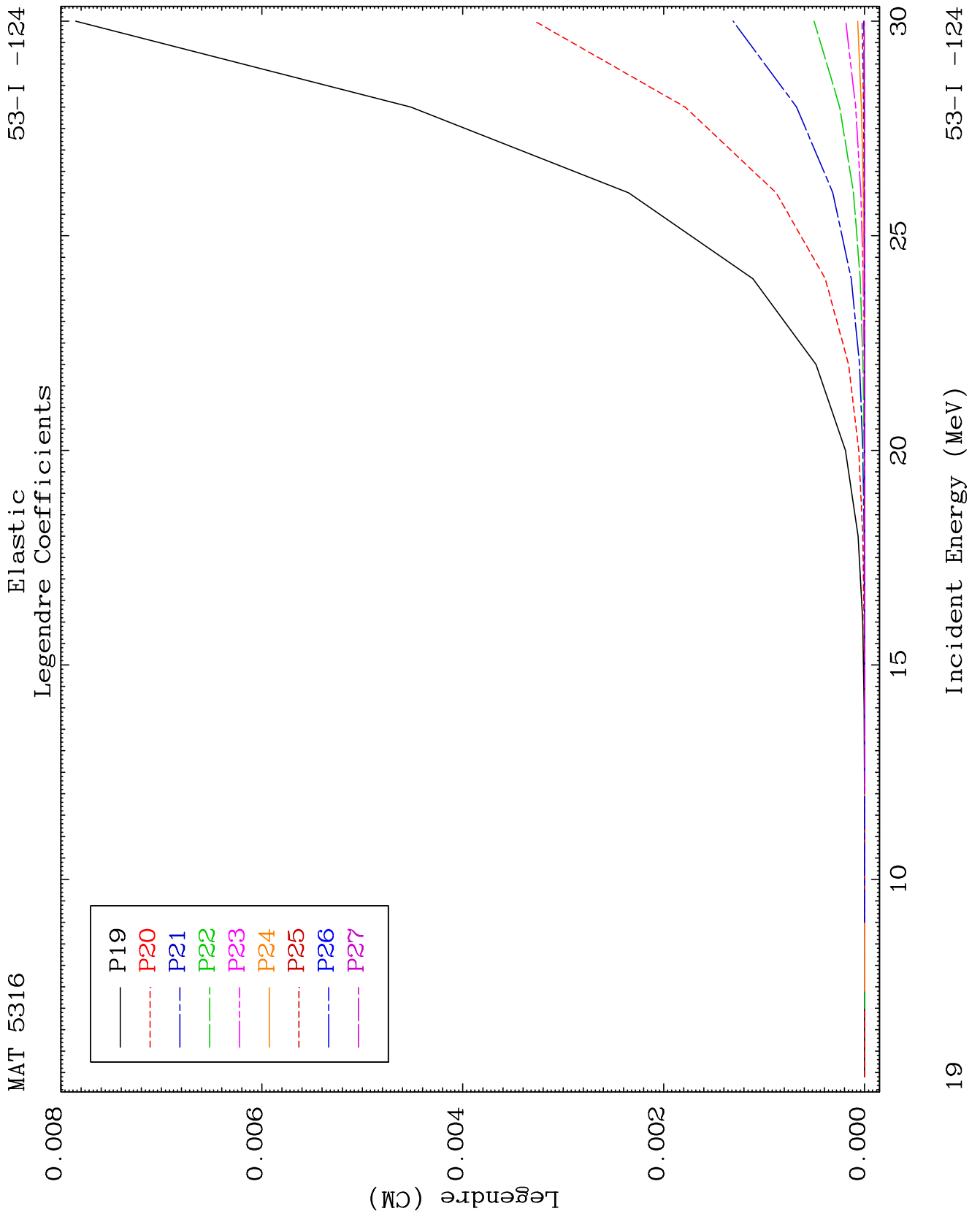
53-I -124



18

Incident Energy (MeV)

53-I -124



MAT 5316

Elastic Legendre Coefficients

53-I -124

19

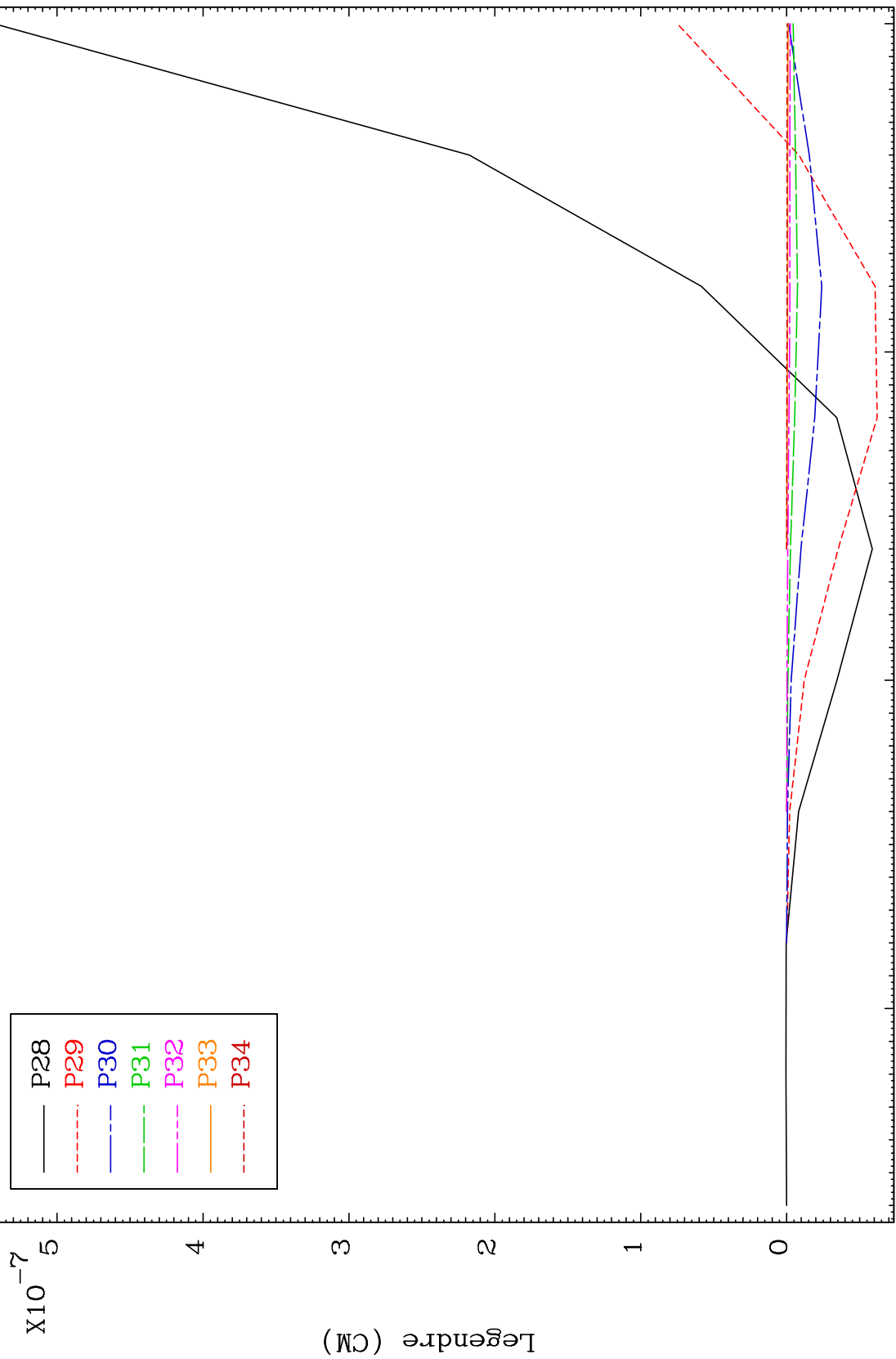
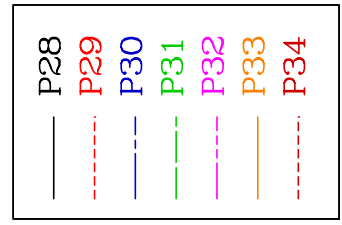
Incident Energy (MeV)

53-I -124

MAT 5316

Elastic  
Legendre Coefficients

53-I -124



20

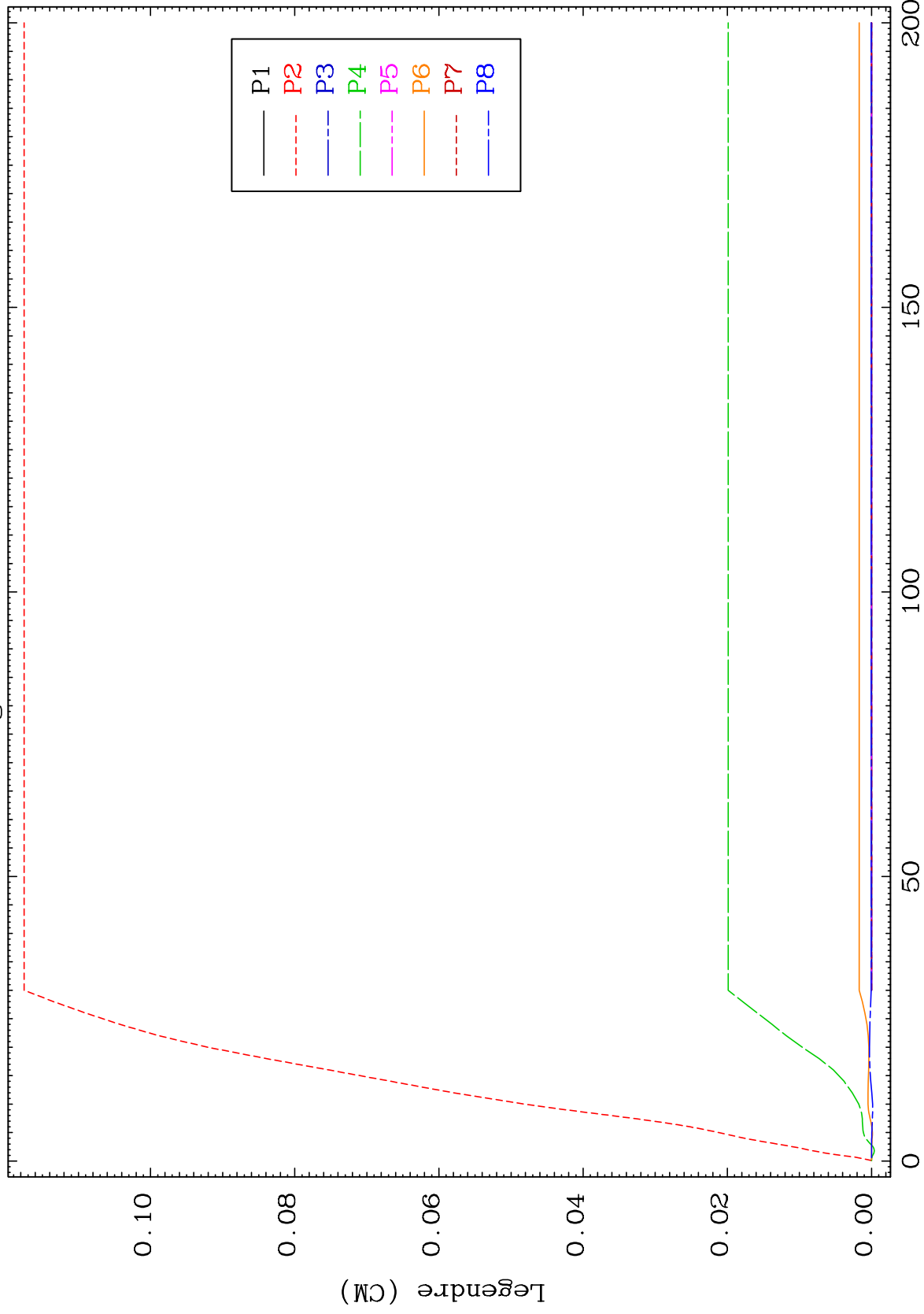
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



53-I -124

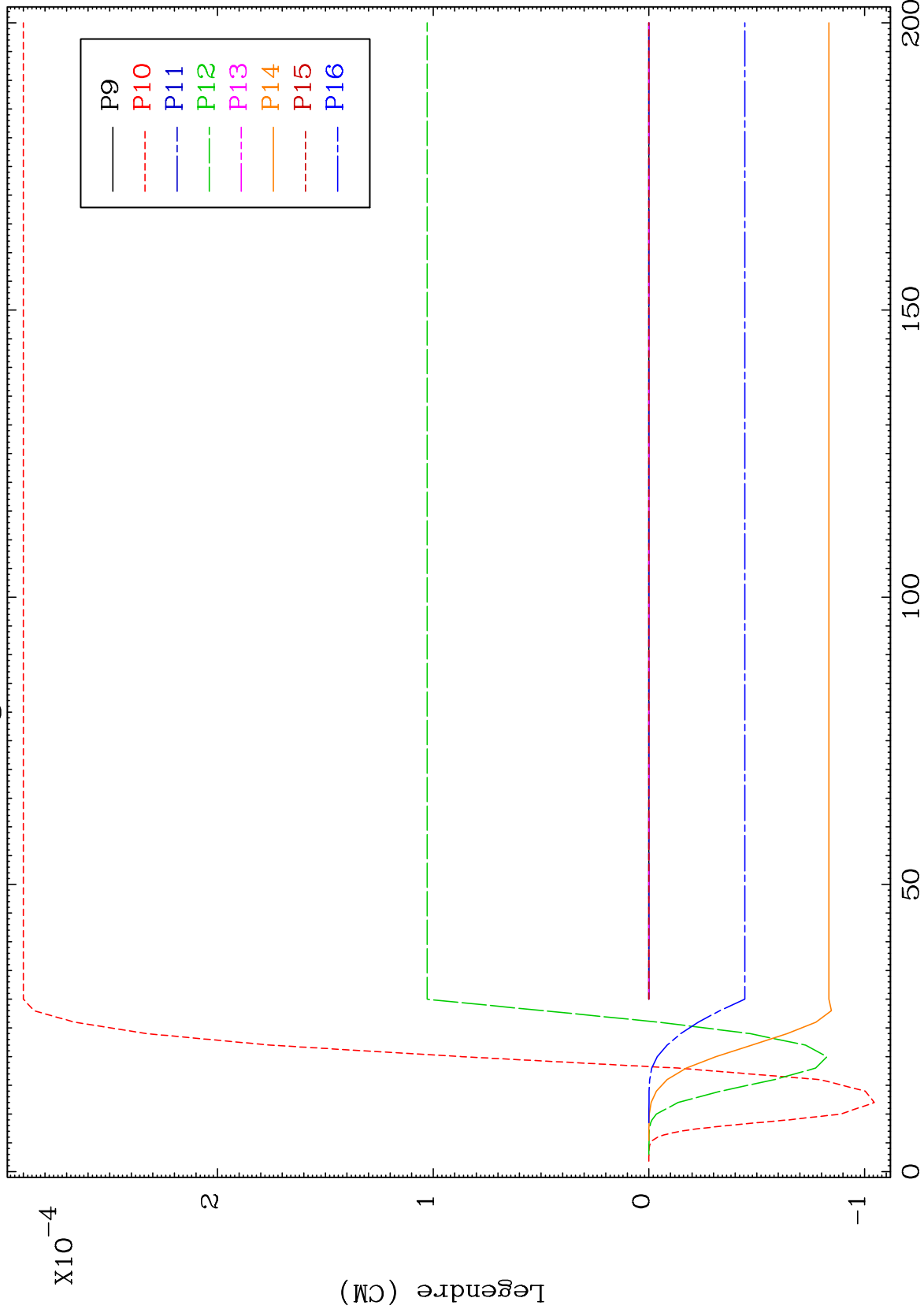
Incident Energy (MeV)

21

MAT 5316

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

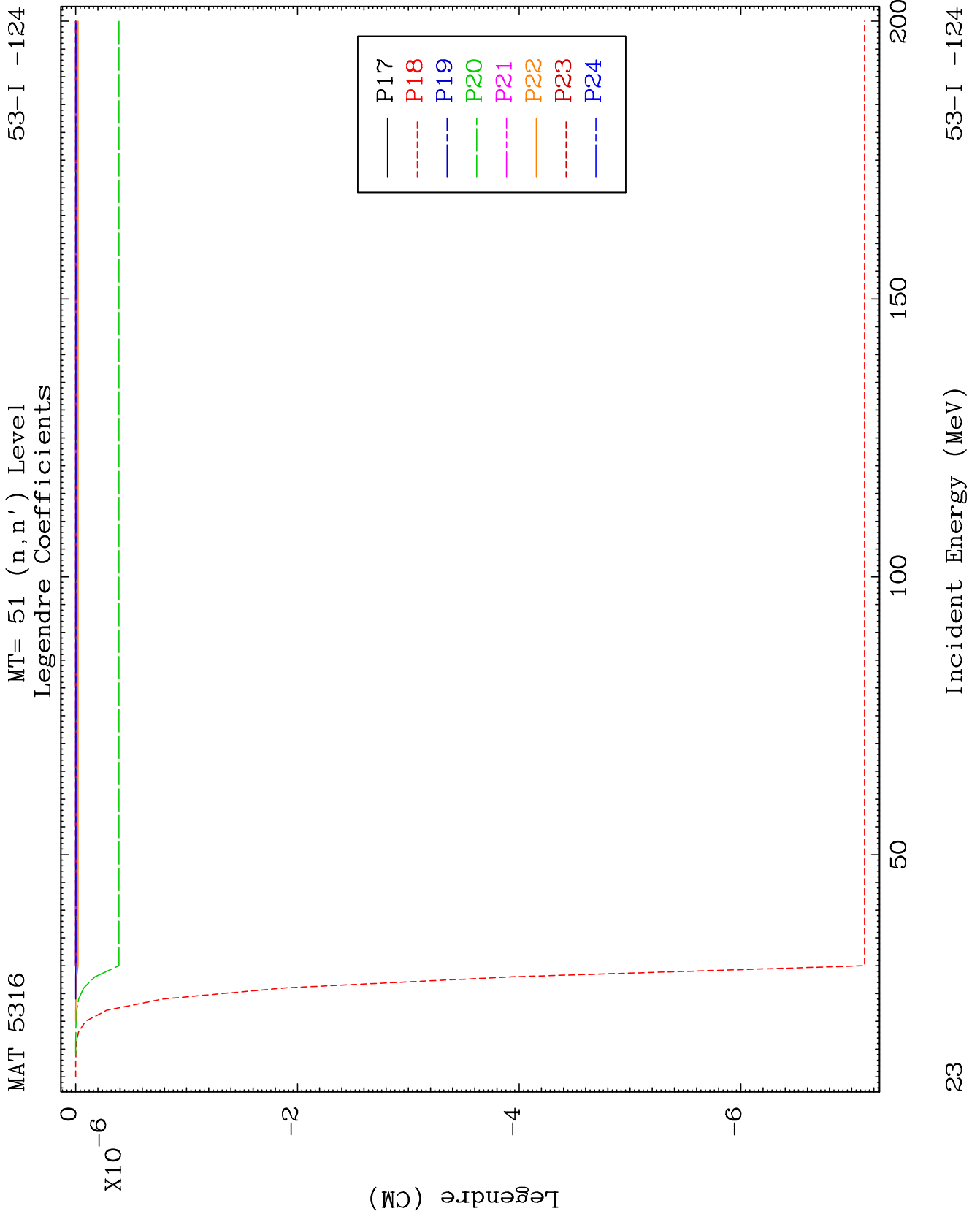
53-I -124



53-I -124

Incident Energy (MeV)

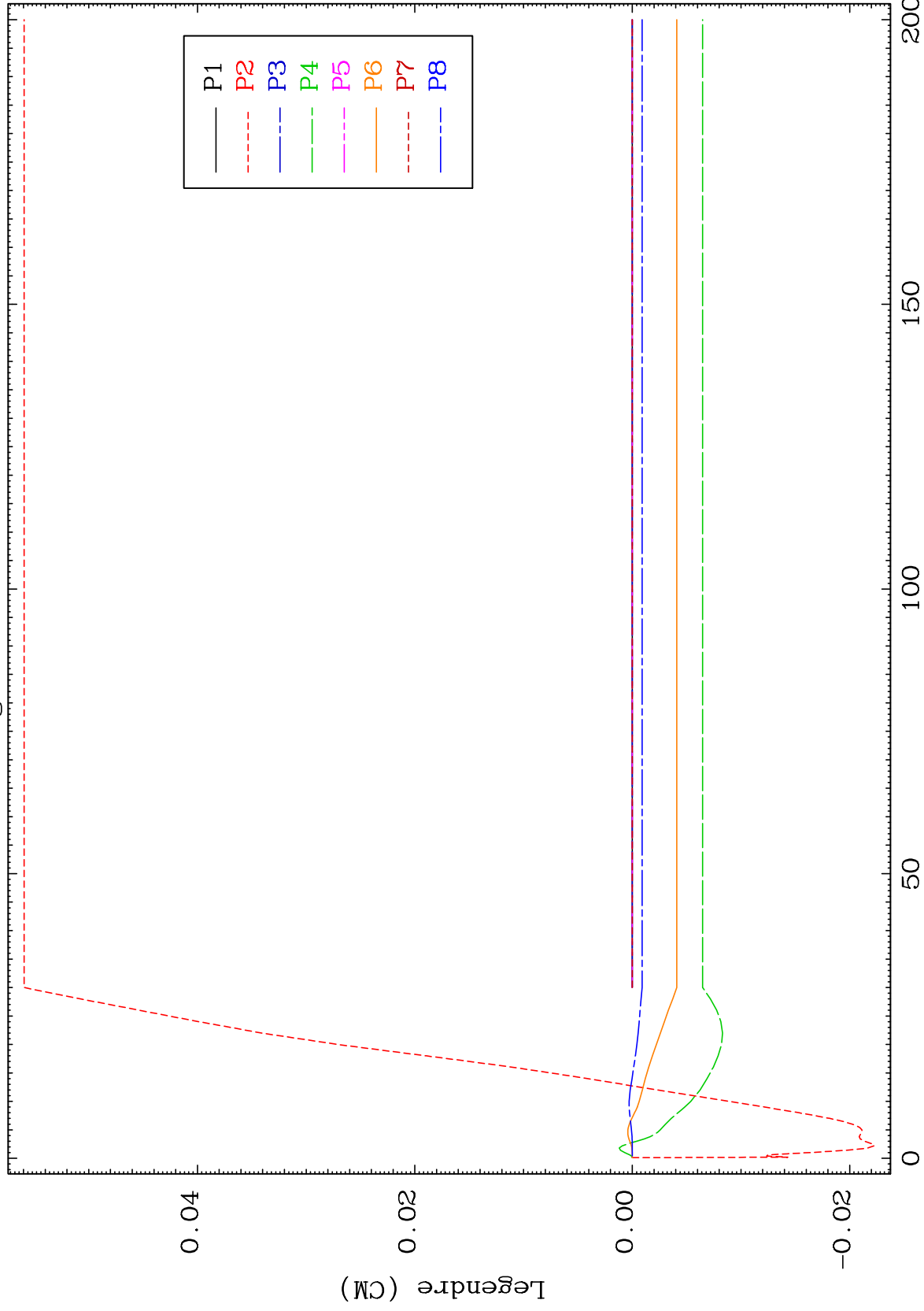
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MAT 5316

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

53-I -124



24

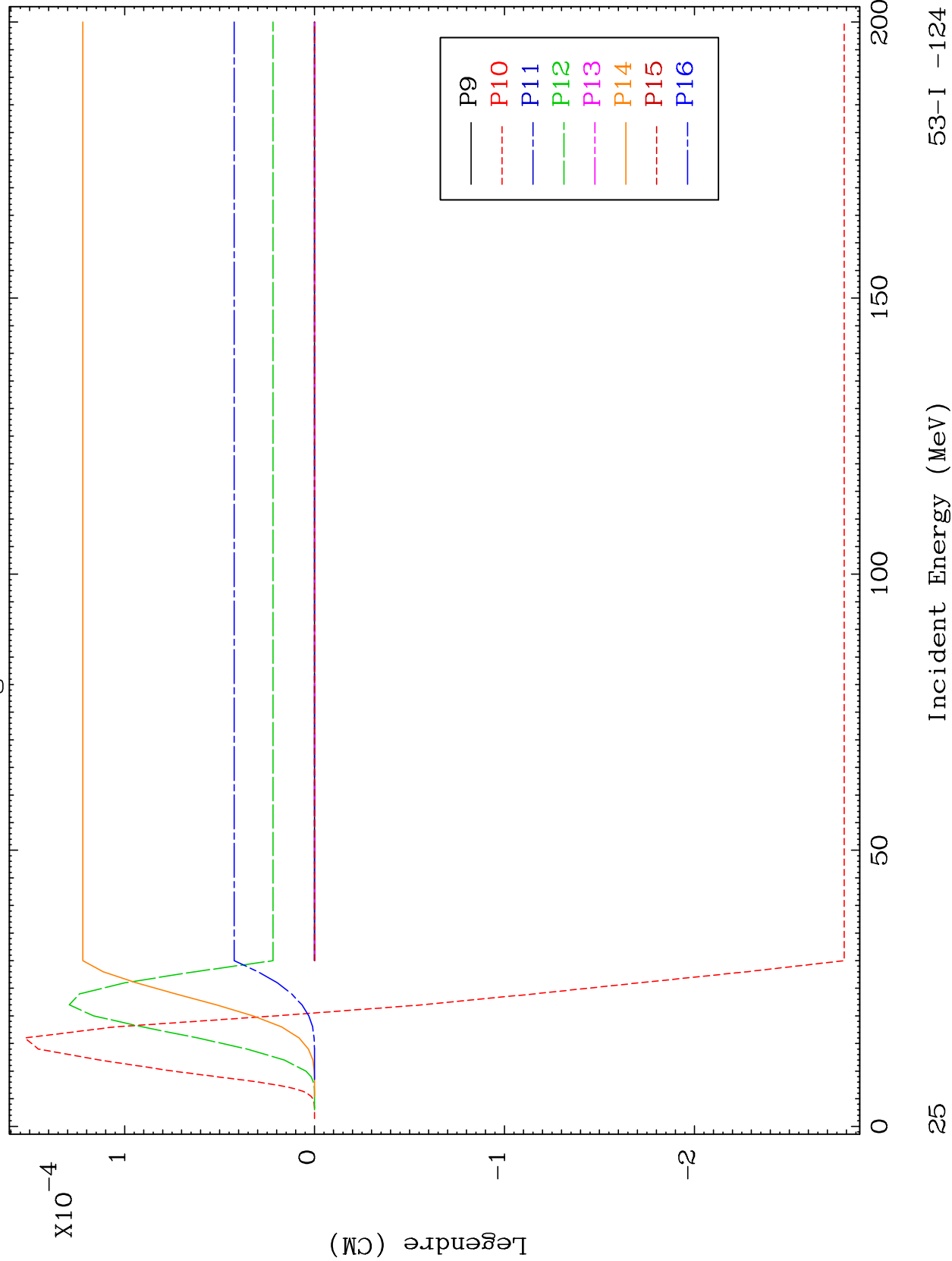
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



53-I -124

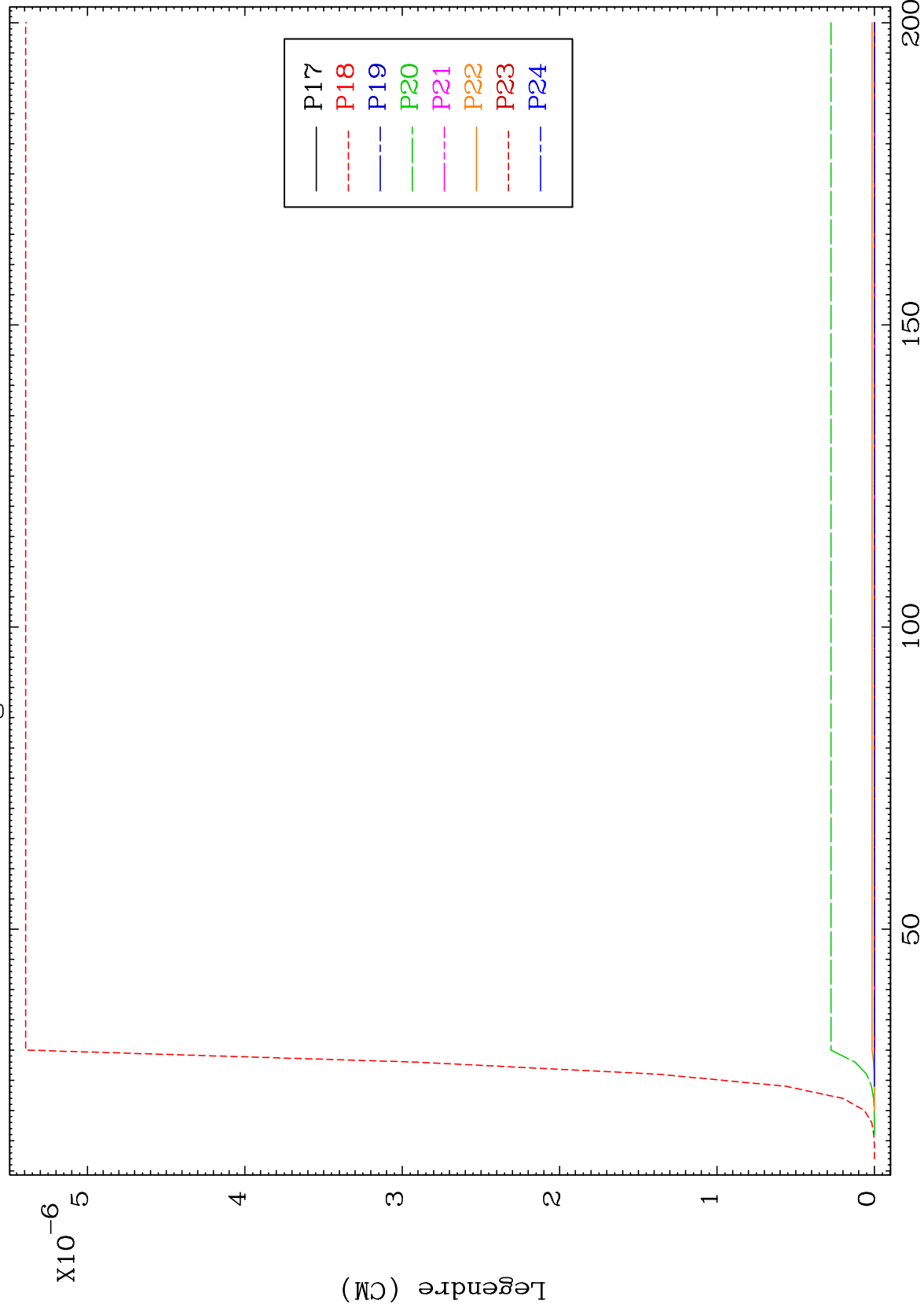
Incident Energy (MeV)

25

MAT 5316

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

53-I -124



26

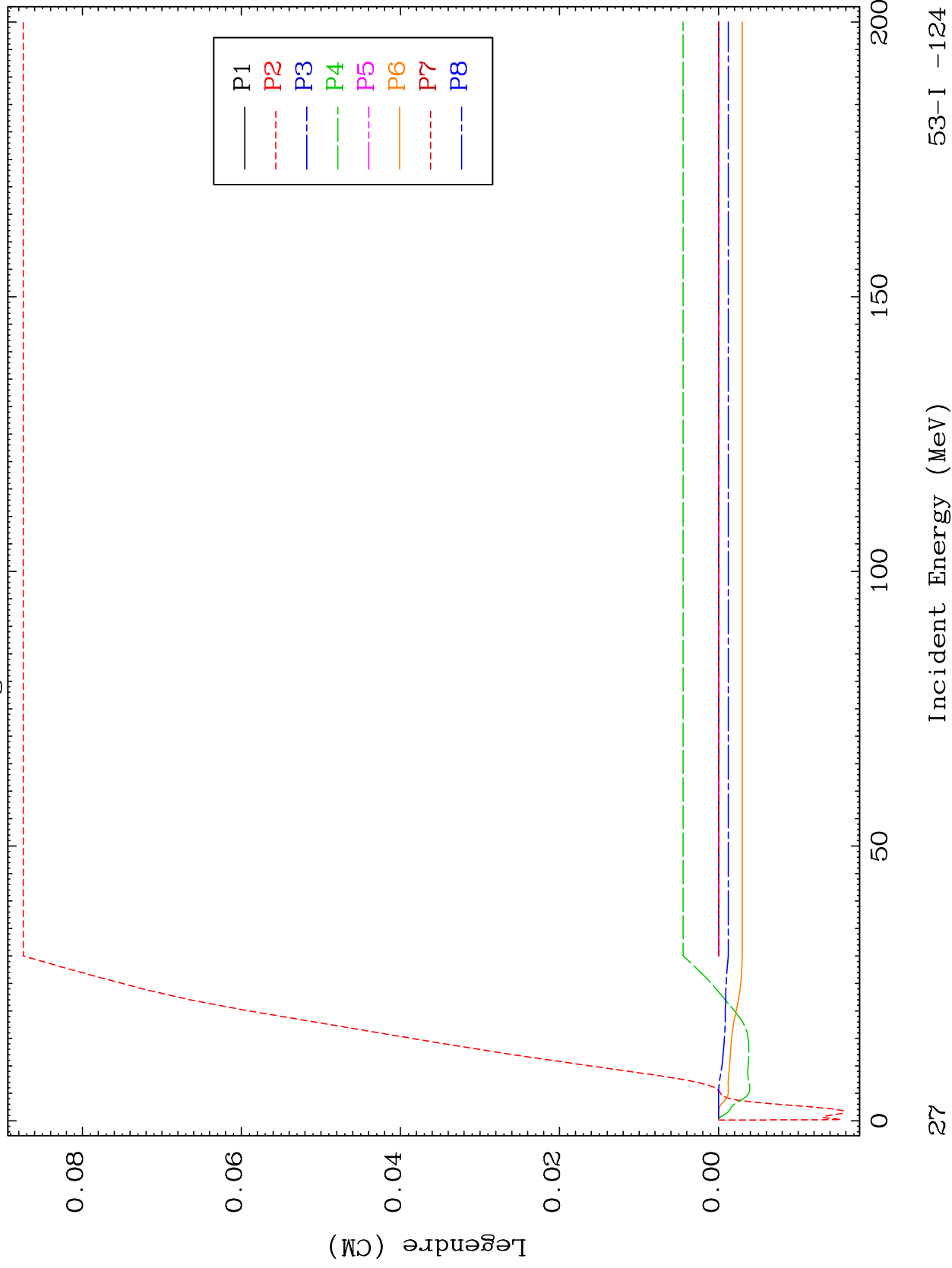
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



27

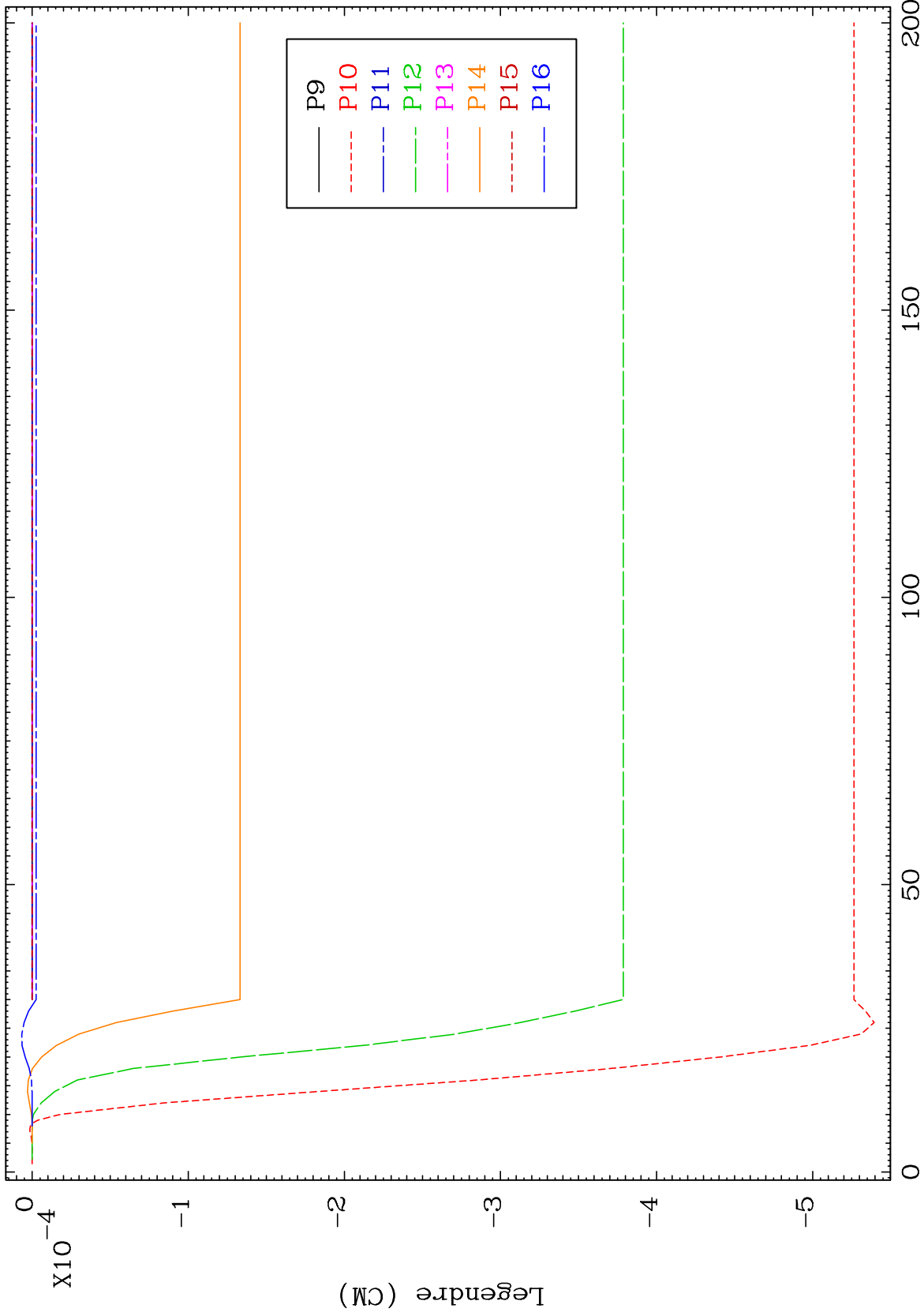
Incident Energy (MeV)

53-I -124

MAT 5316

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

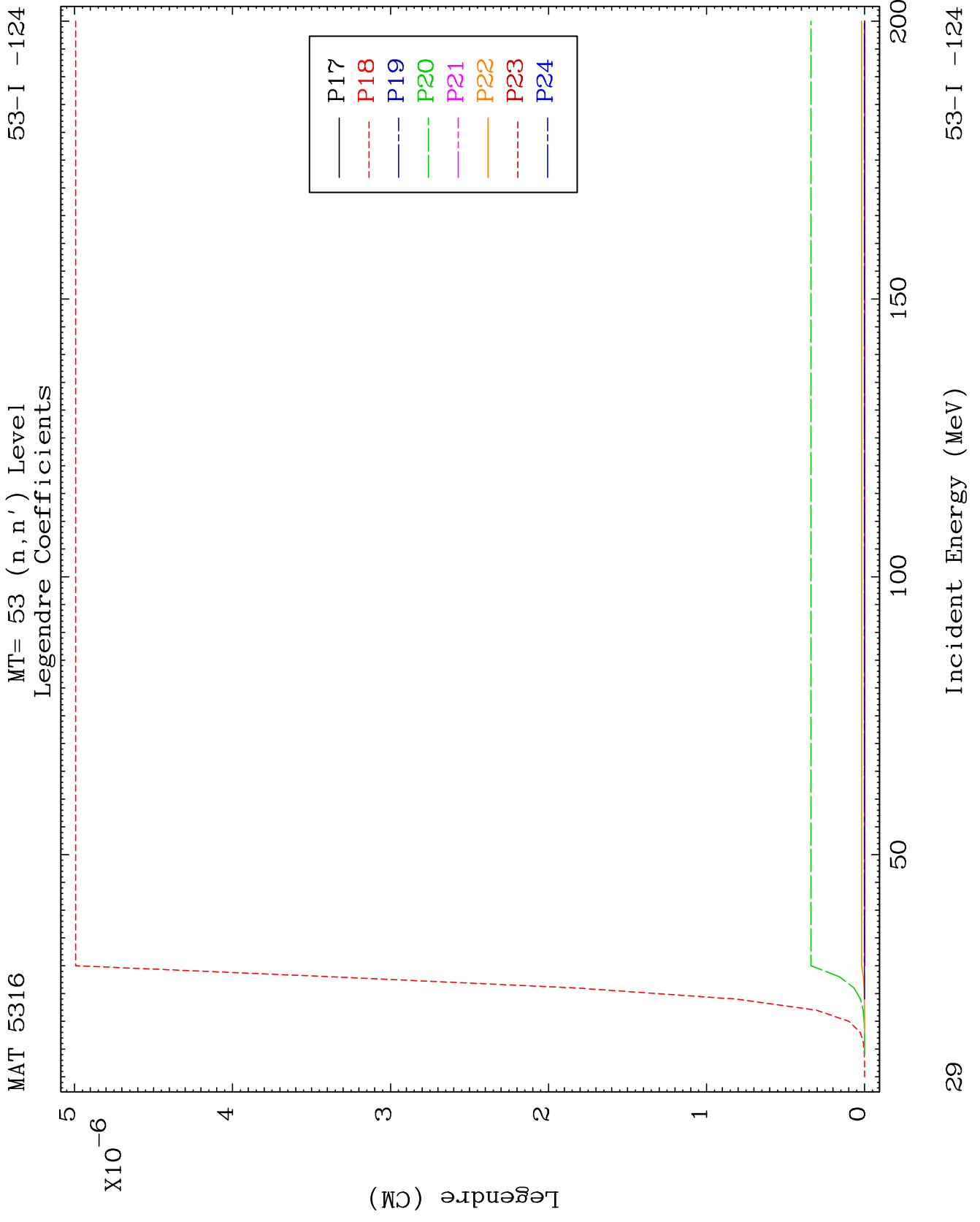
53-I -124



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Incident Energy (MeV)

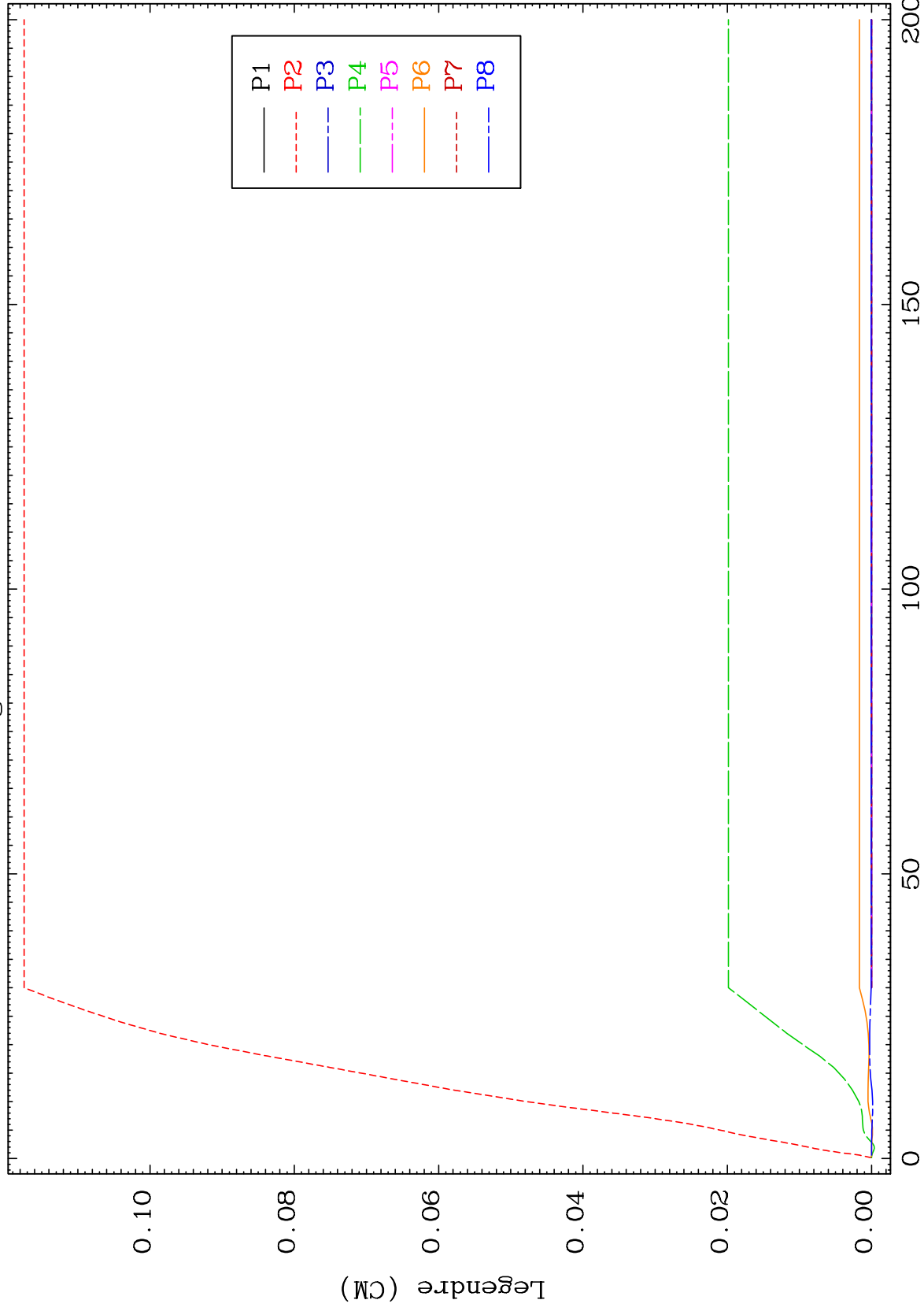
53-I -124



MAT 5316

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

53-I -124



53-I -124

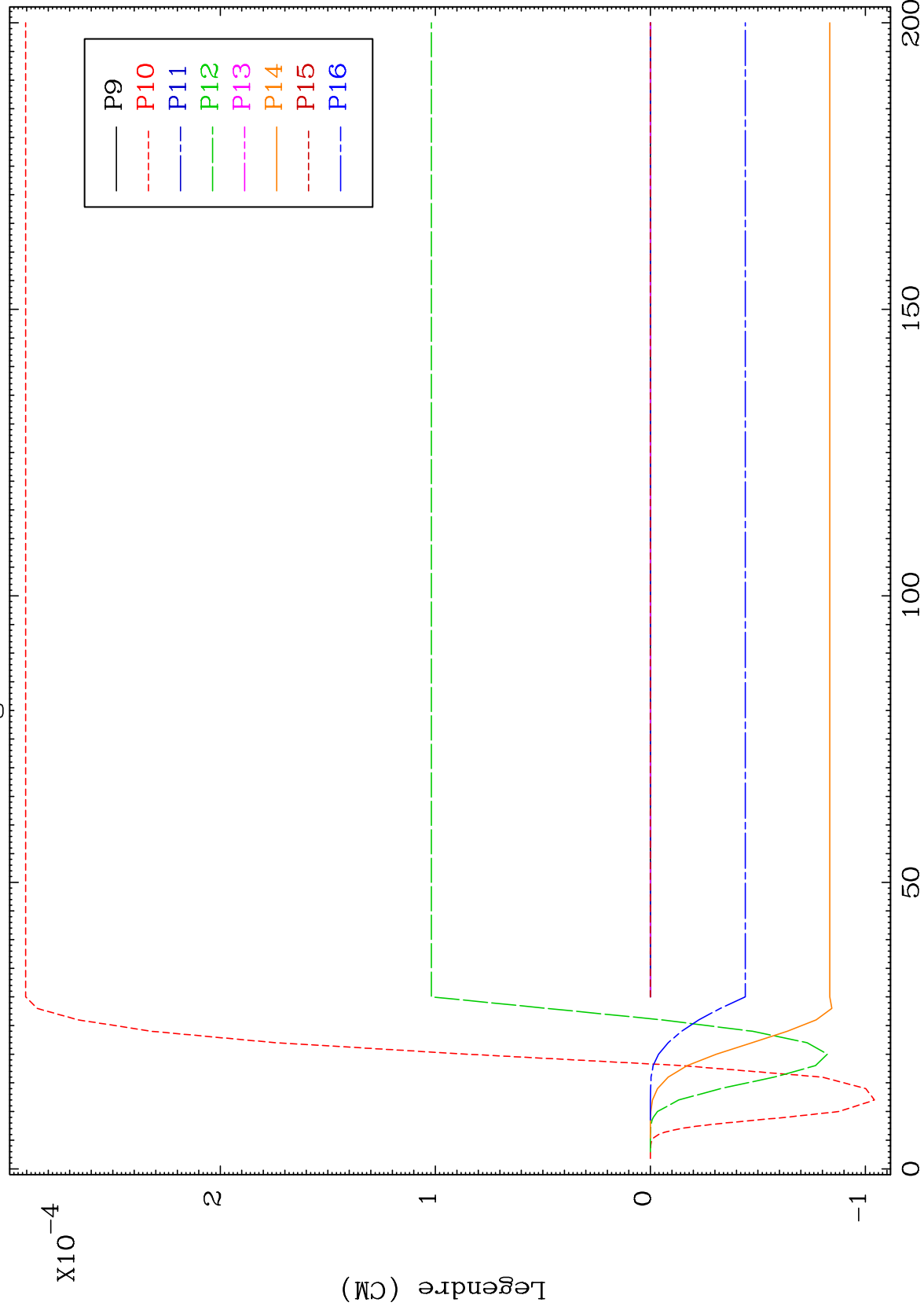
Incident Energy (MeV)

30

MAT 5316

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

53-I -124



31

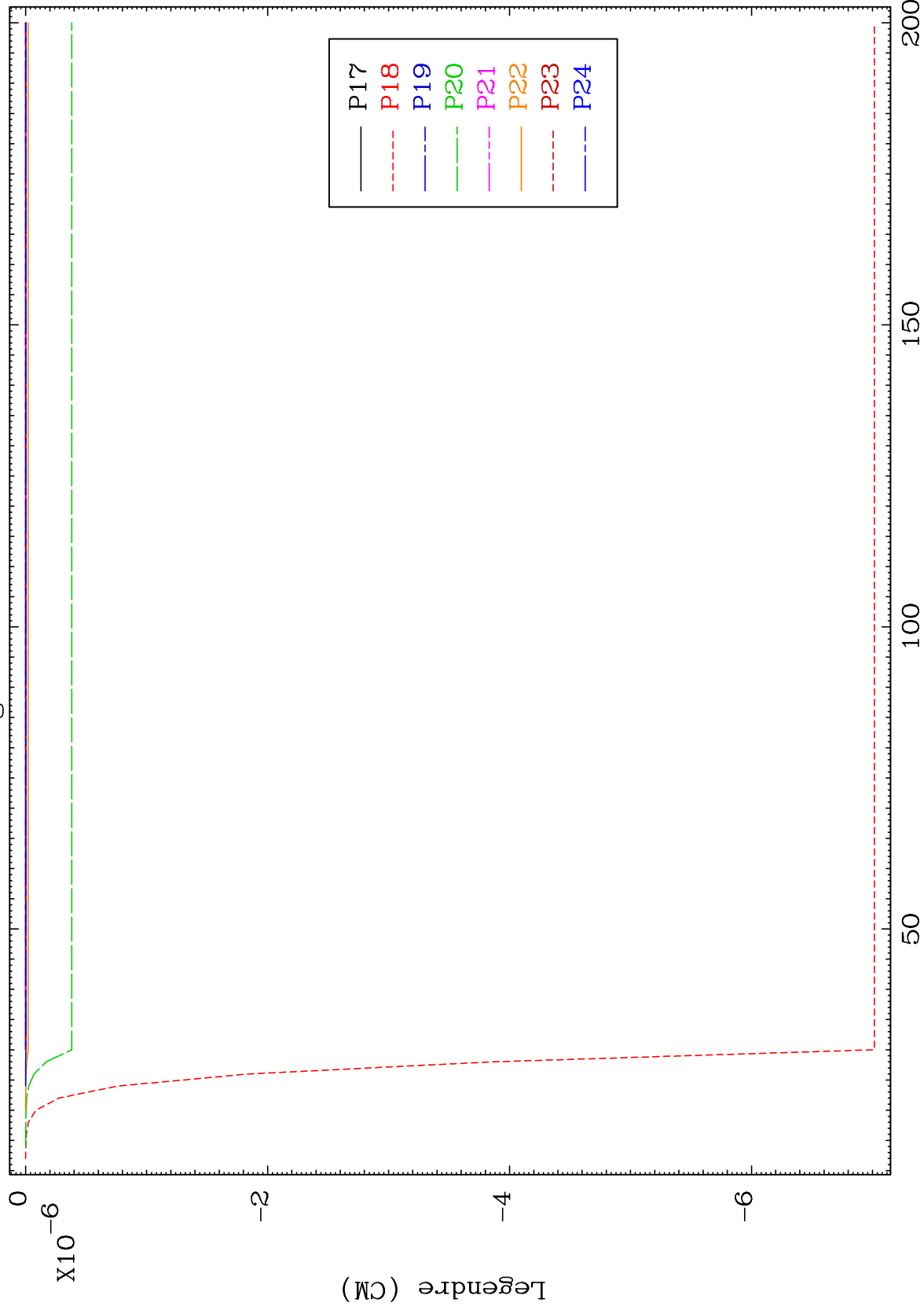
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



32

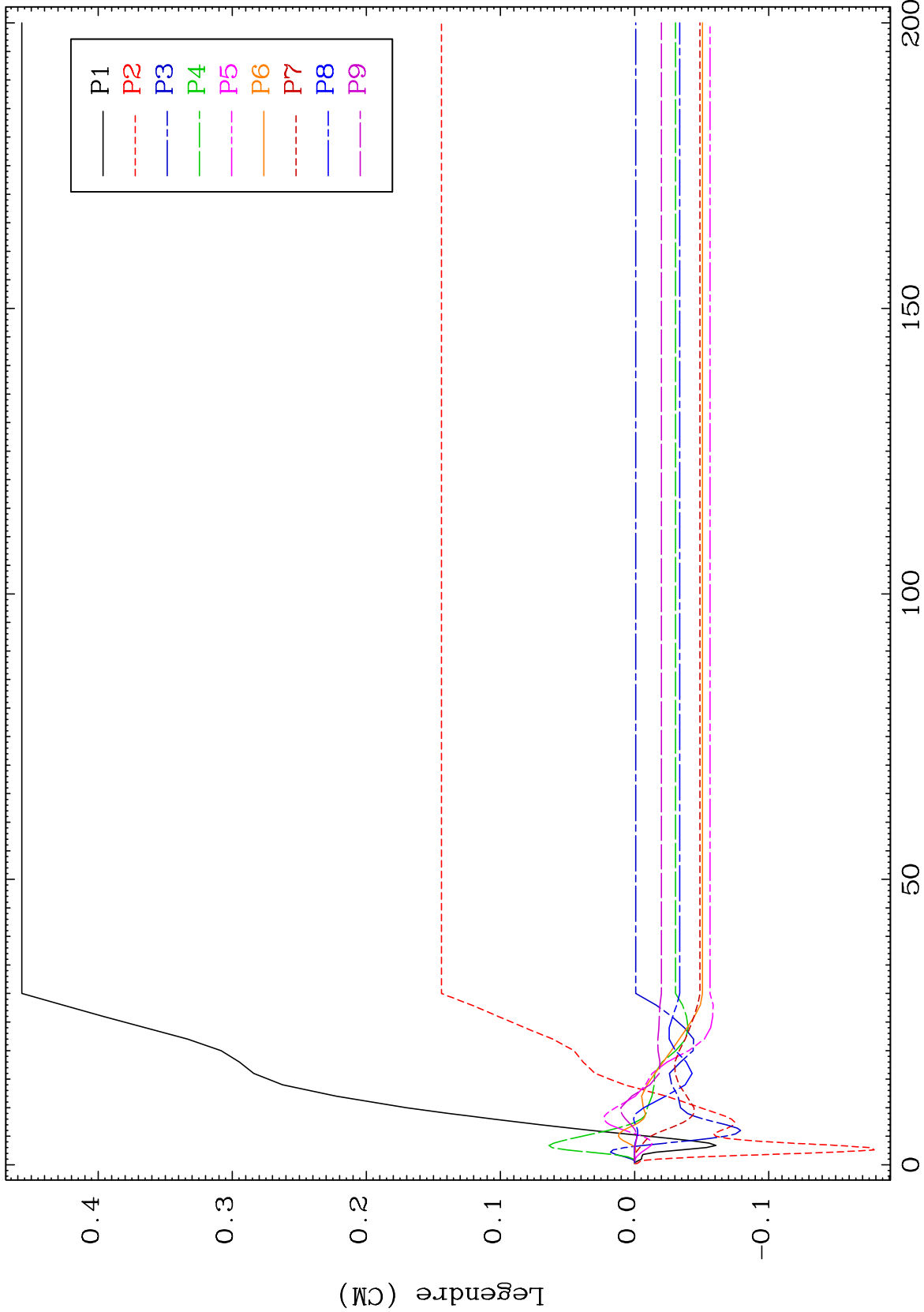
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



33

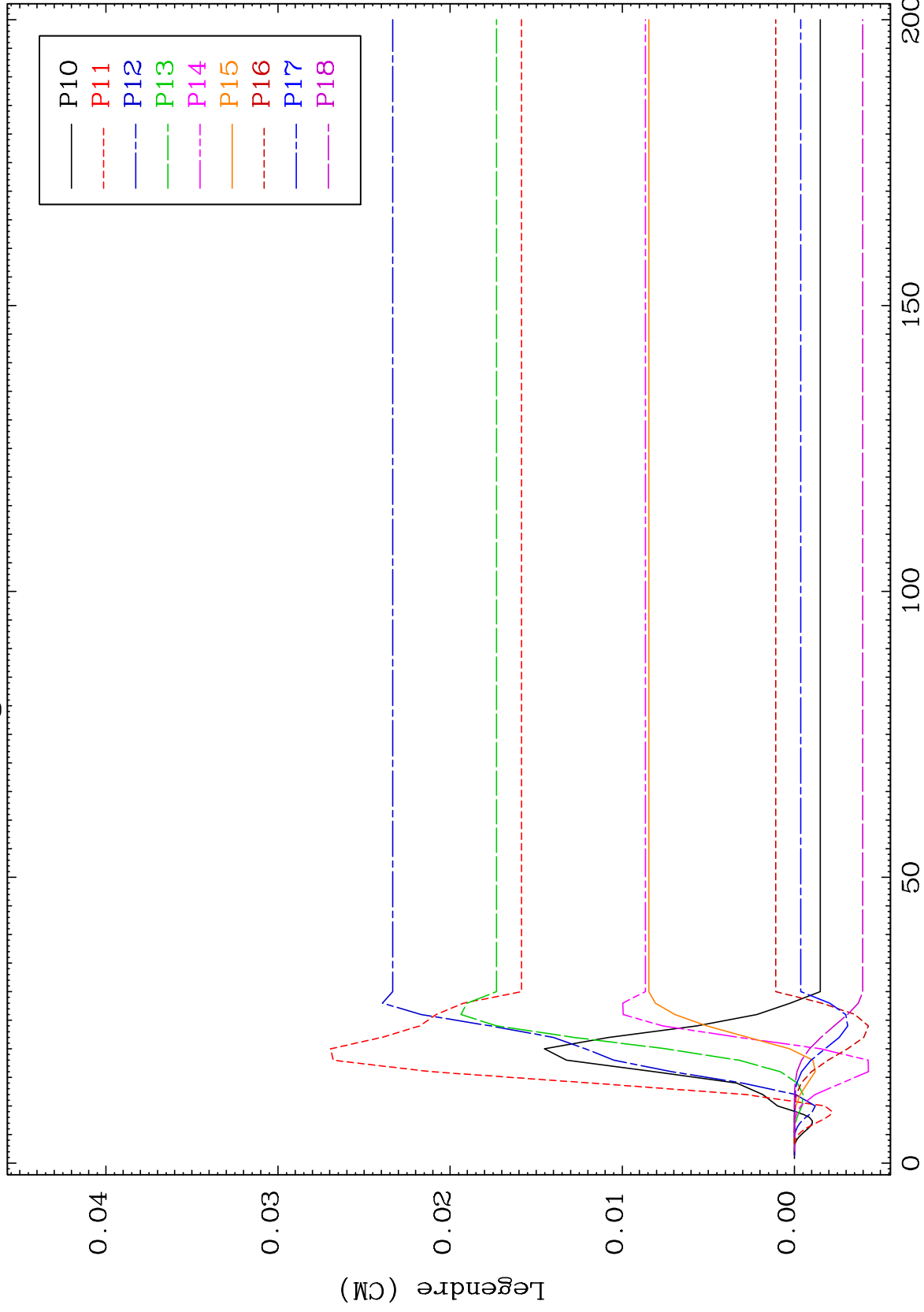
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



34

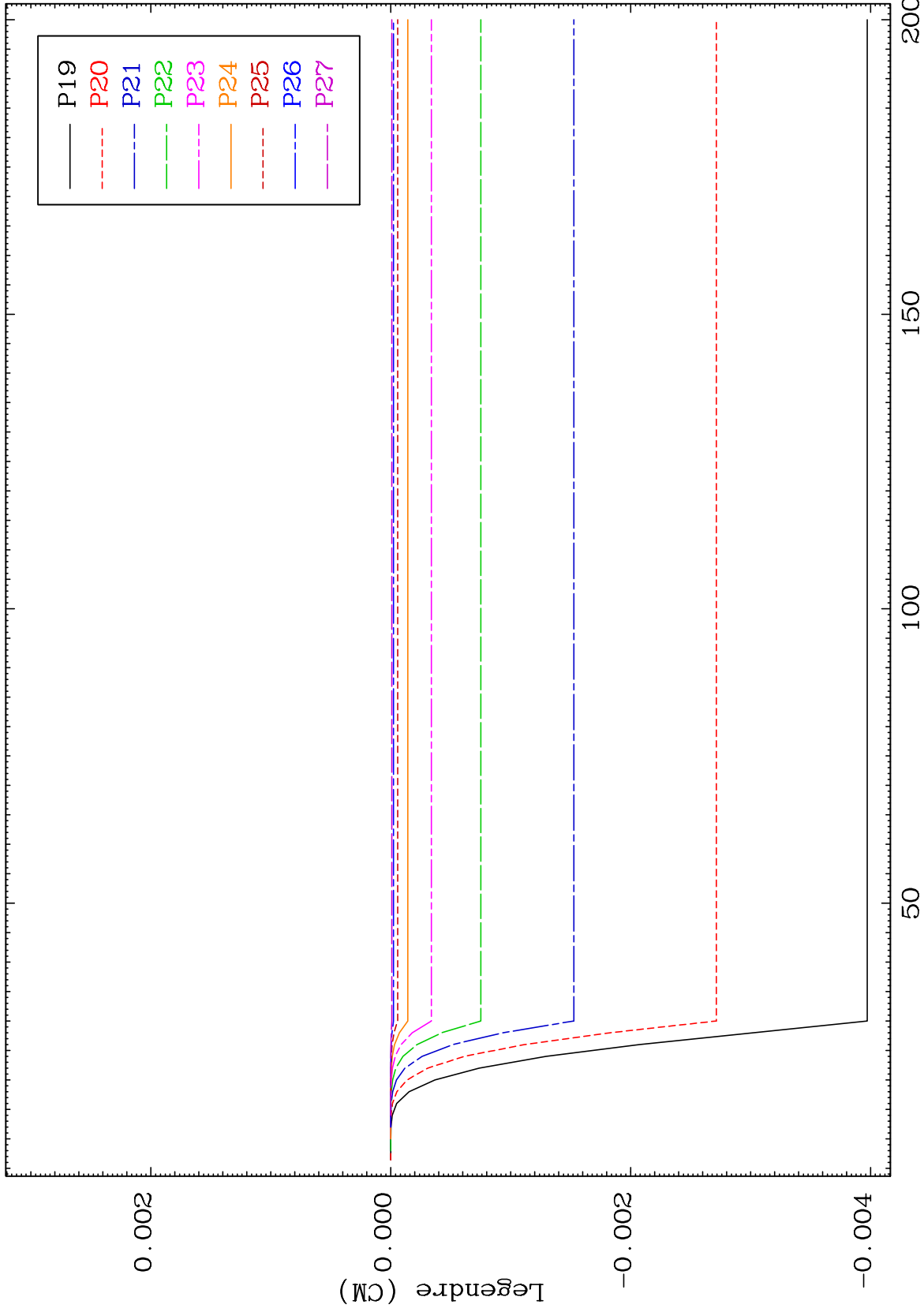
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



35

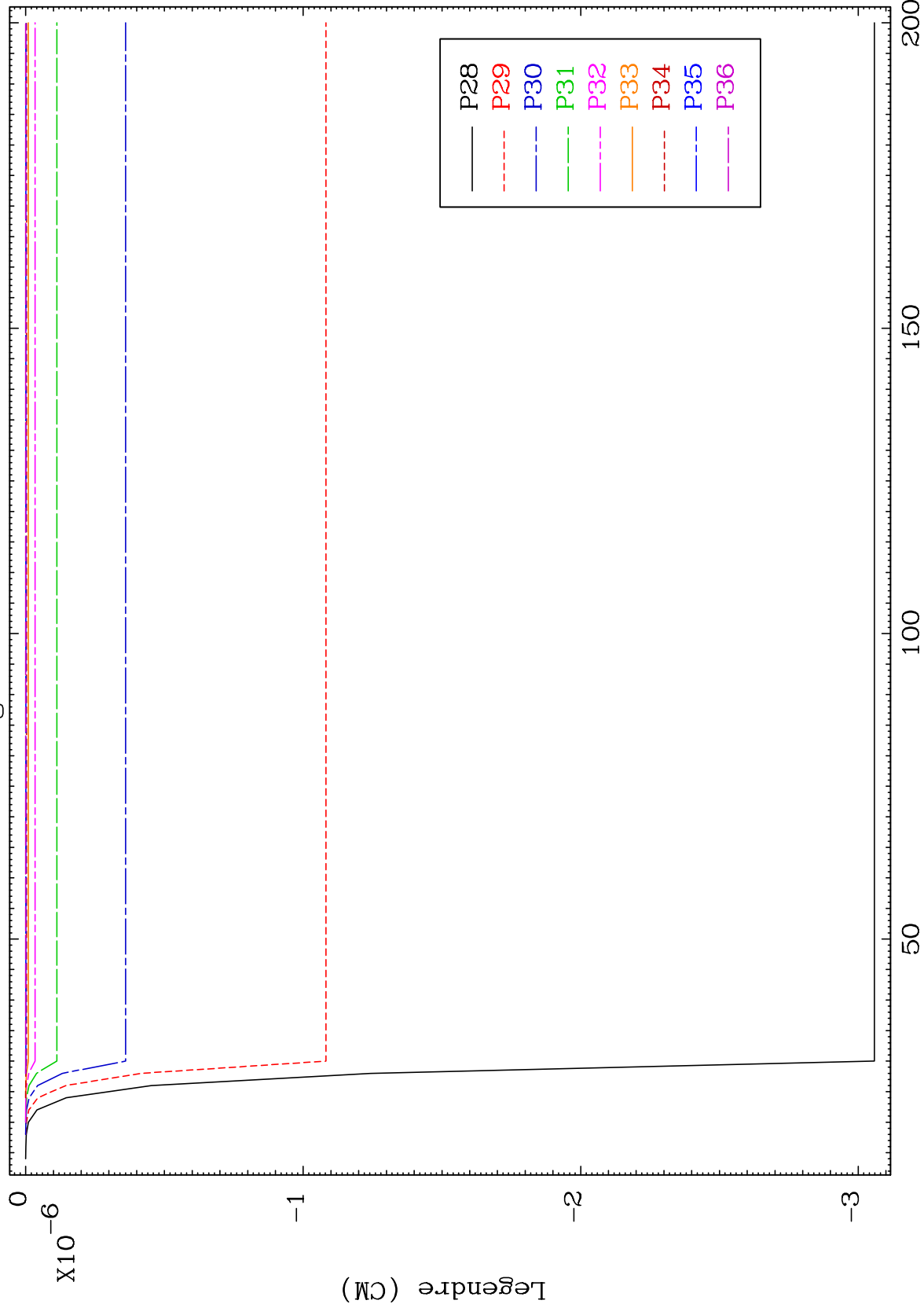
Incident Energy (MeV)

53-I -124

MAT 5316

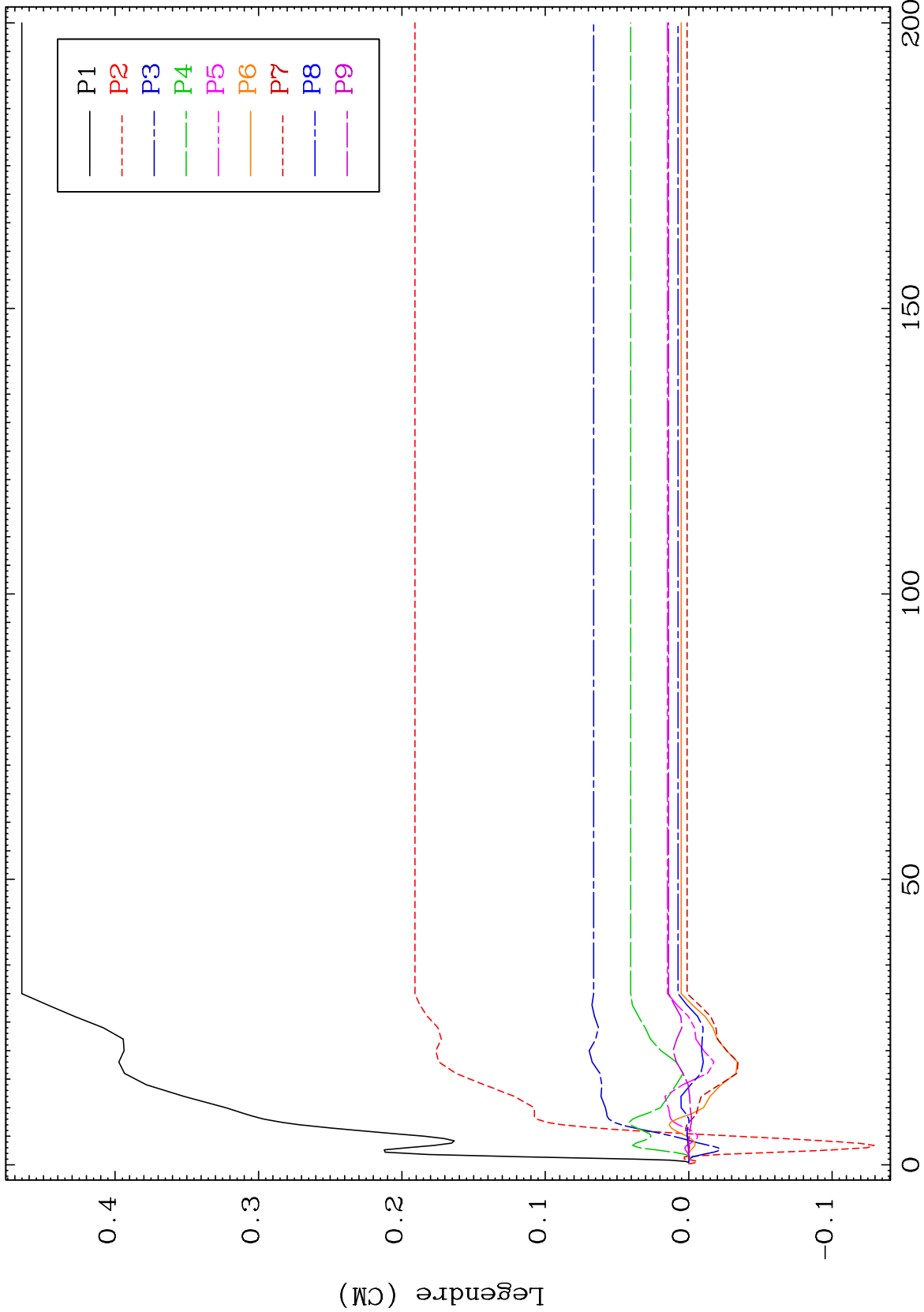
MT= 55 (n,n') Level  
Legendre Coefficients

53-I -124



36

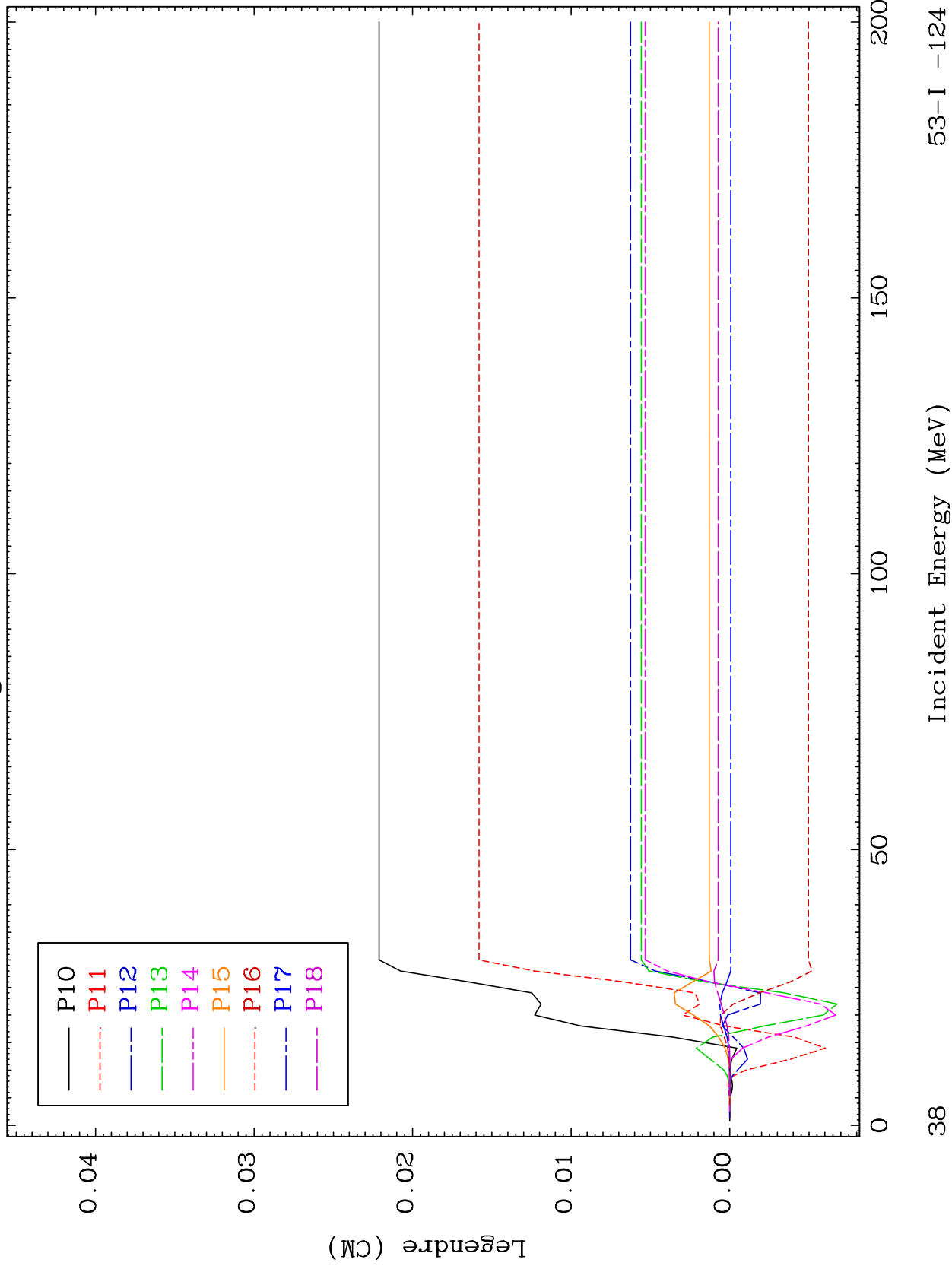
53-I -124



MAT 5316

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

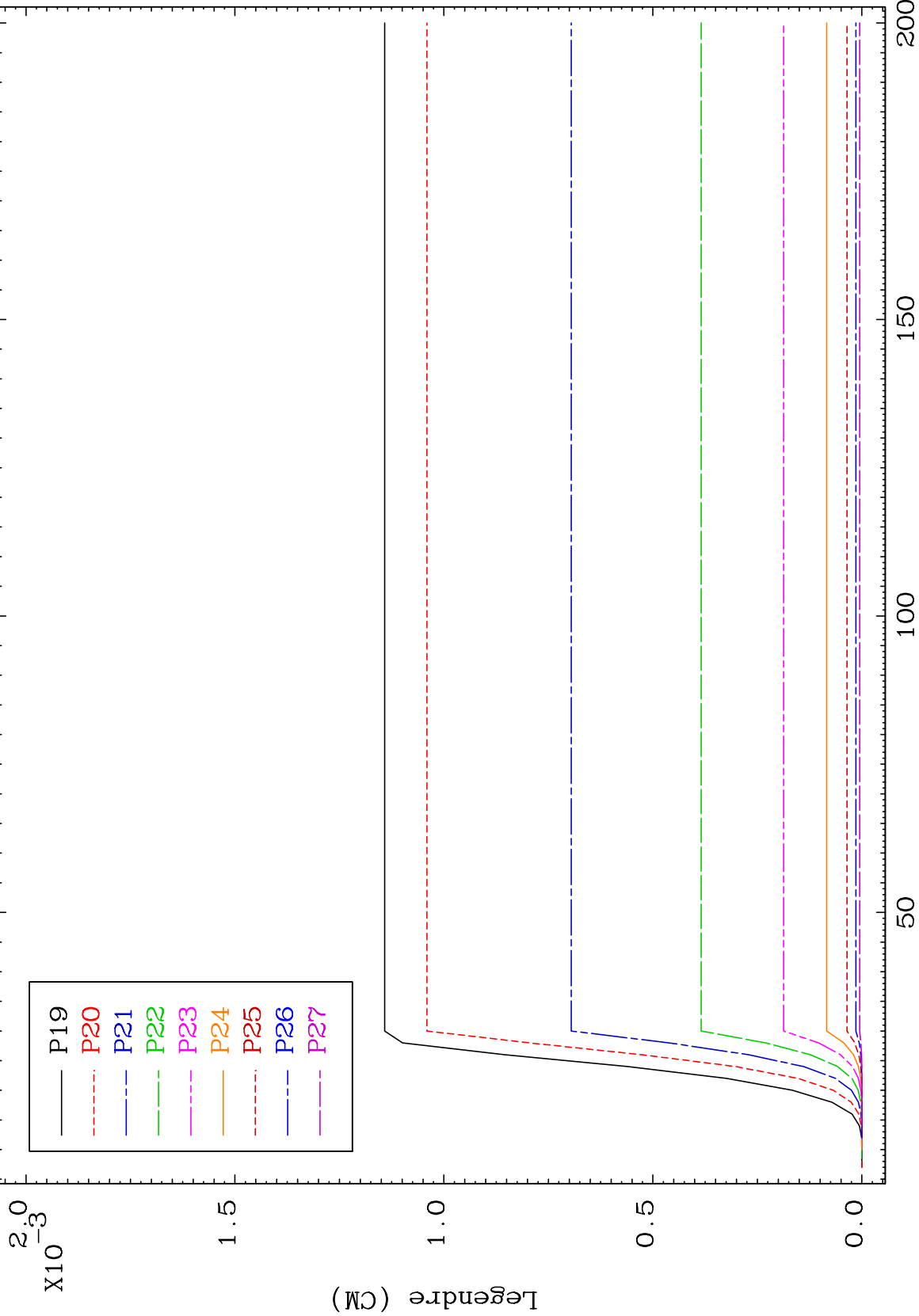
53-I -124



38

Incident Energy (MeV)

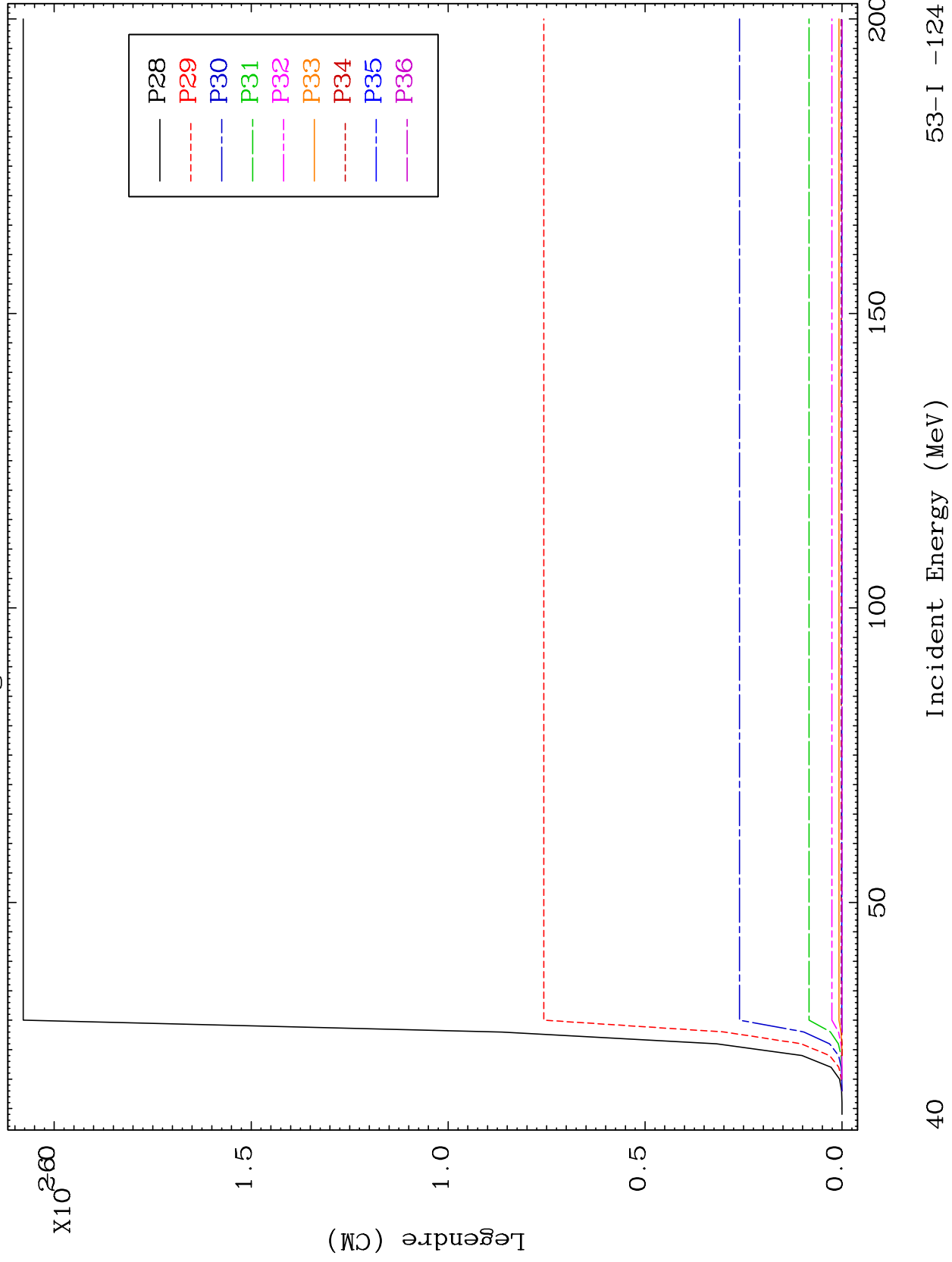
53-I -124



MAT 5316

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

53-I -124

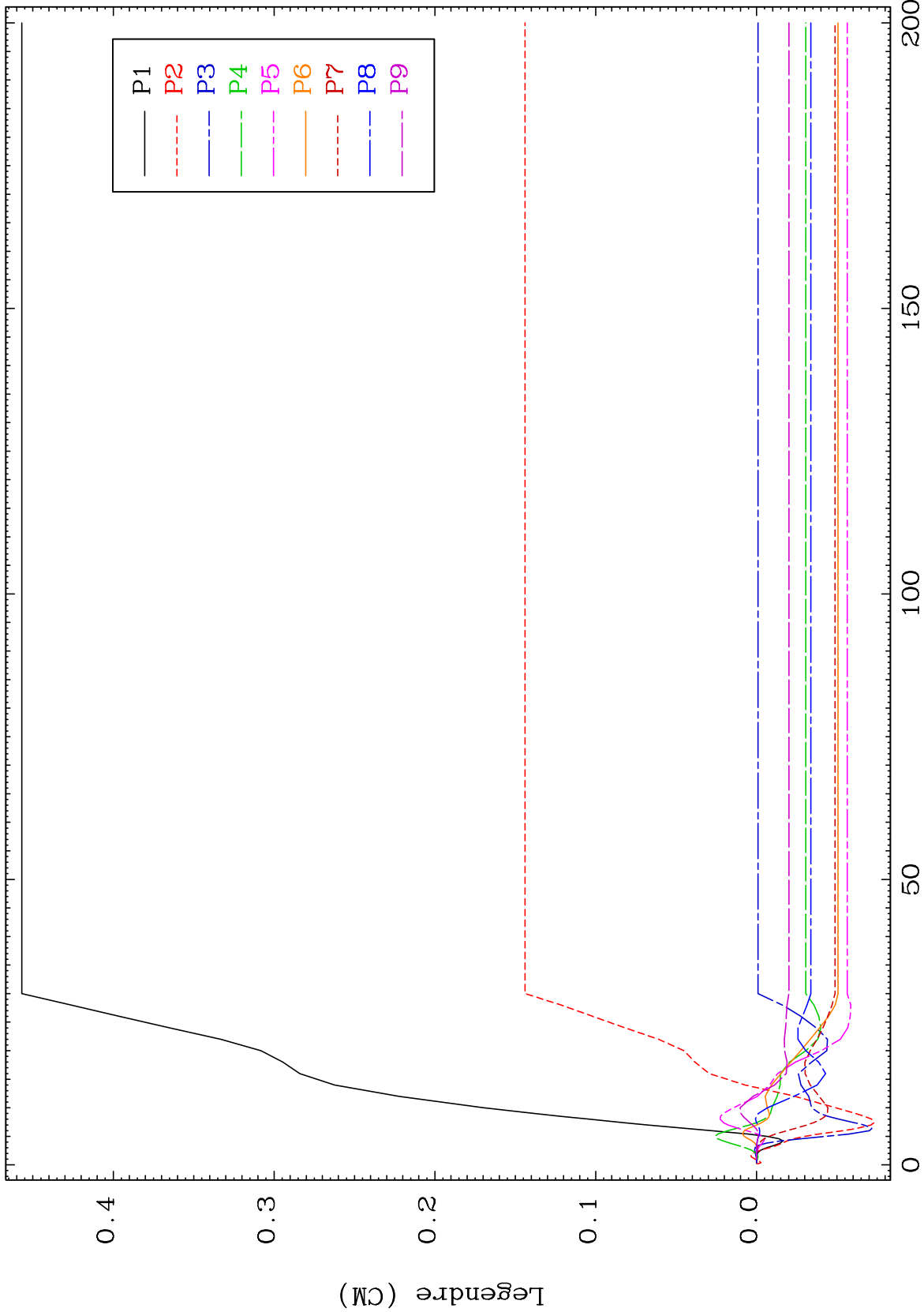


53-I -124

Incident Energy (MeV)

40

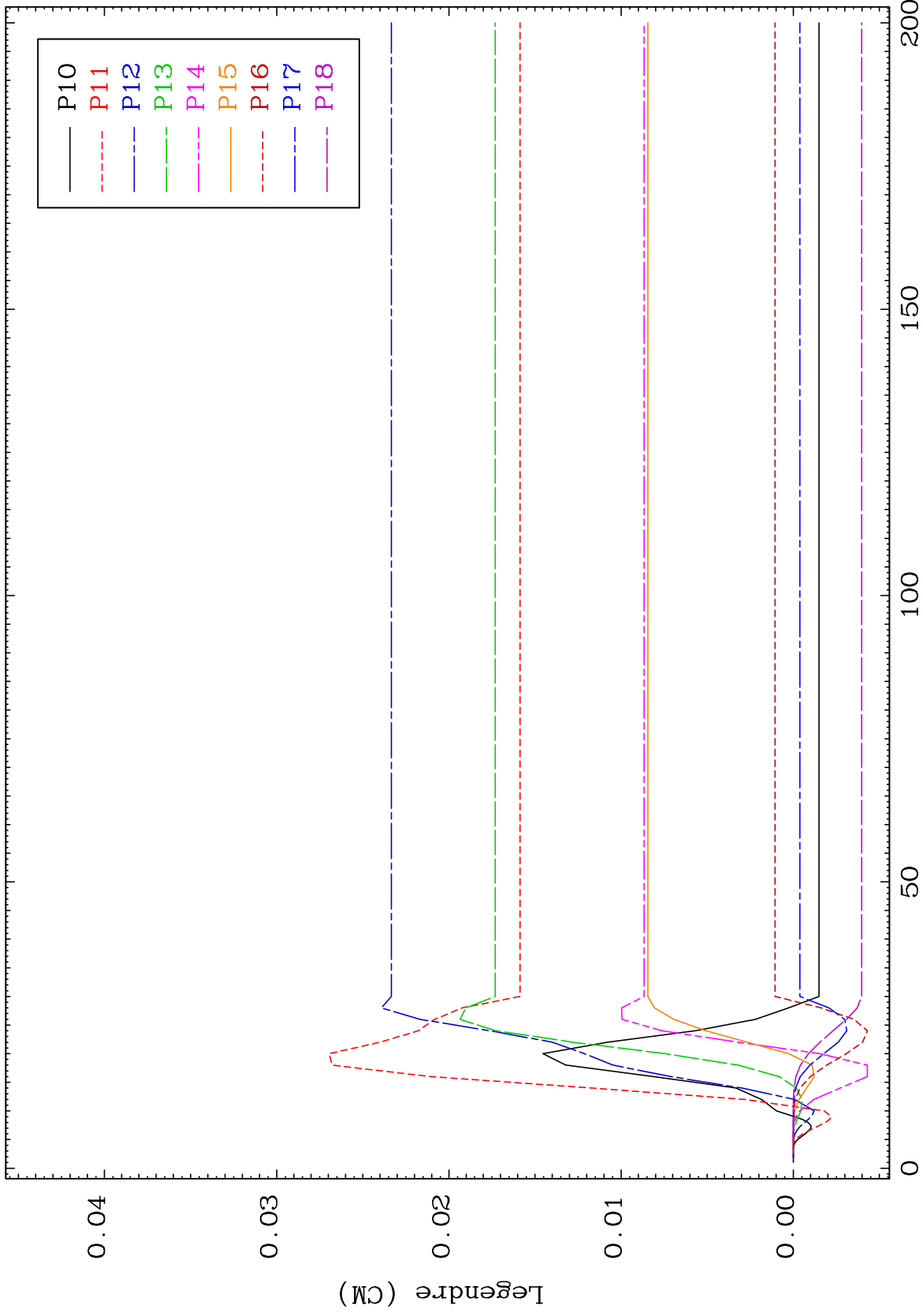
Legendre Coefficients



MAT 5316

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

53-I -124



42

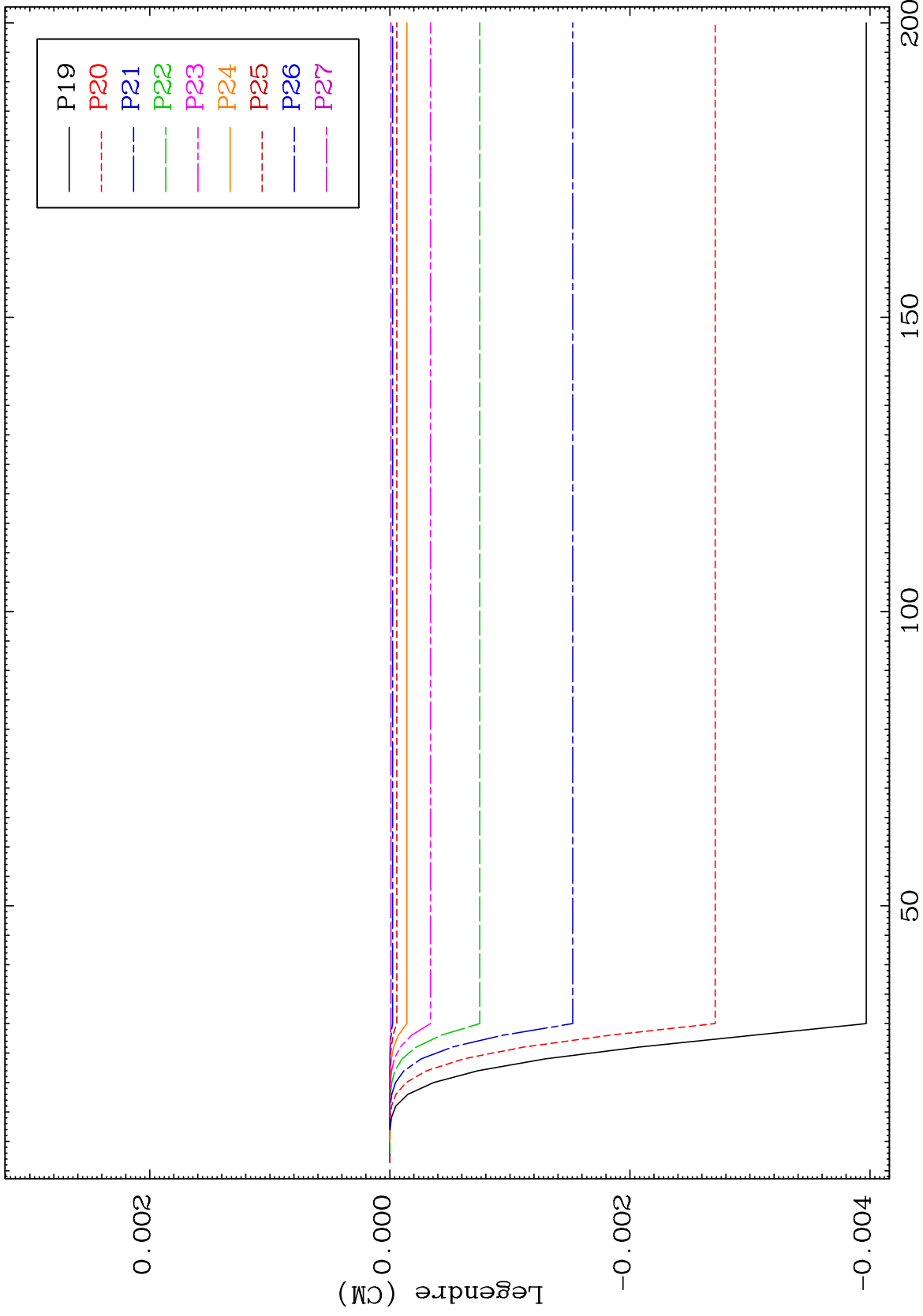
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



43

Incident Energy (MeV)

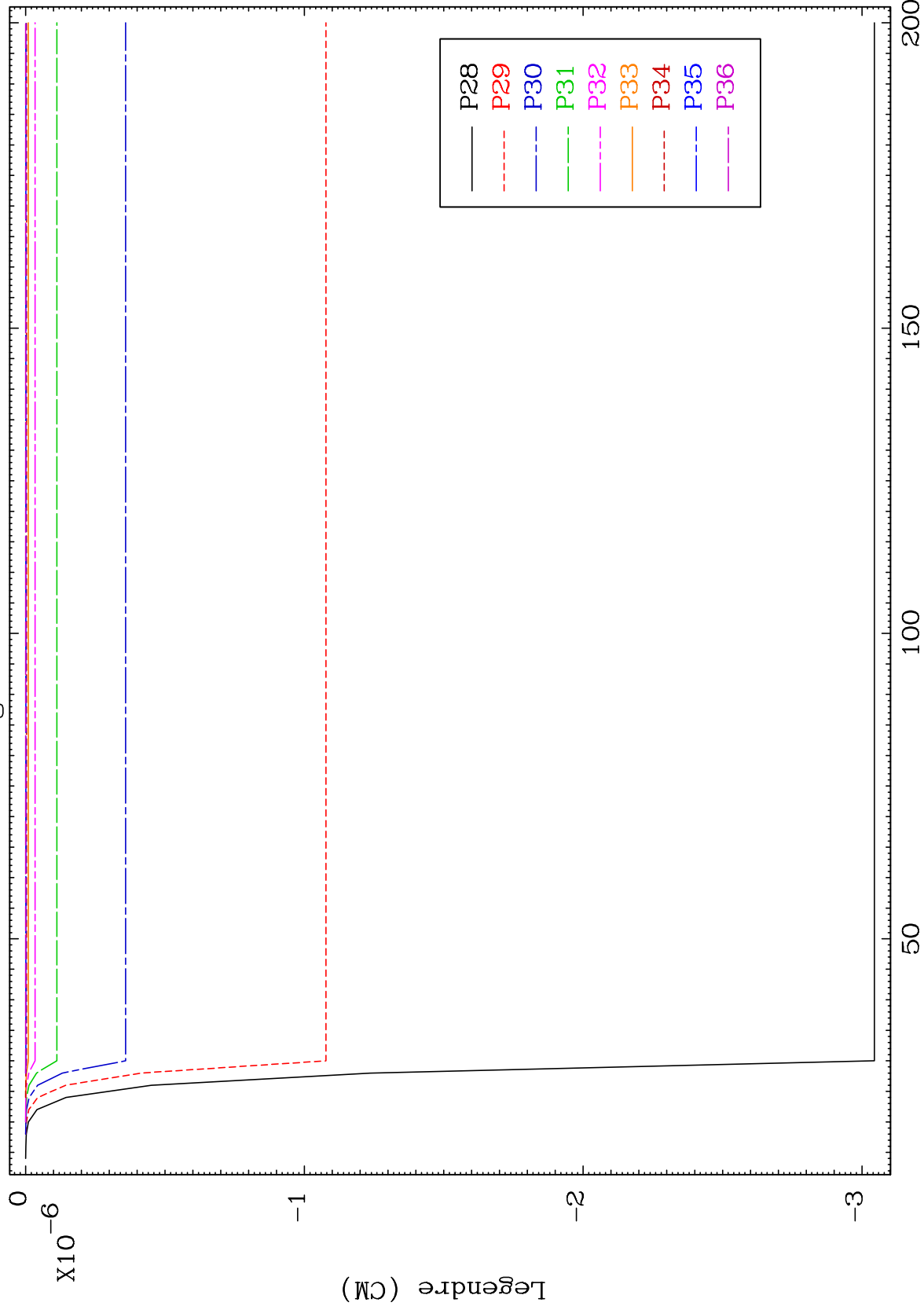
53-I -124

MAT 5316

MT= 57 (n,n') Level

53-I -124

Legendre Coefficients



44

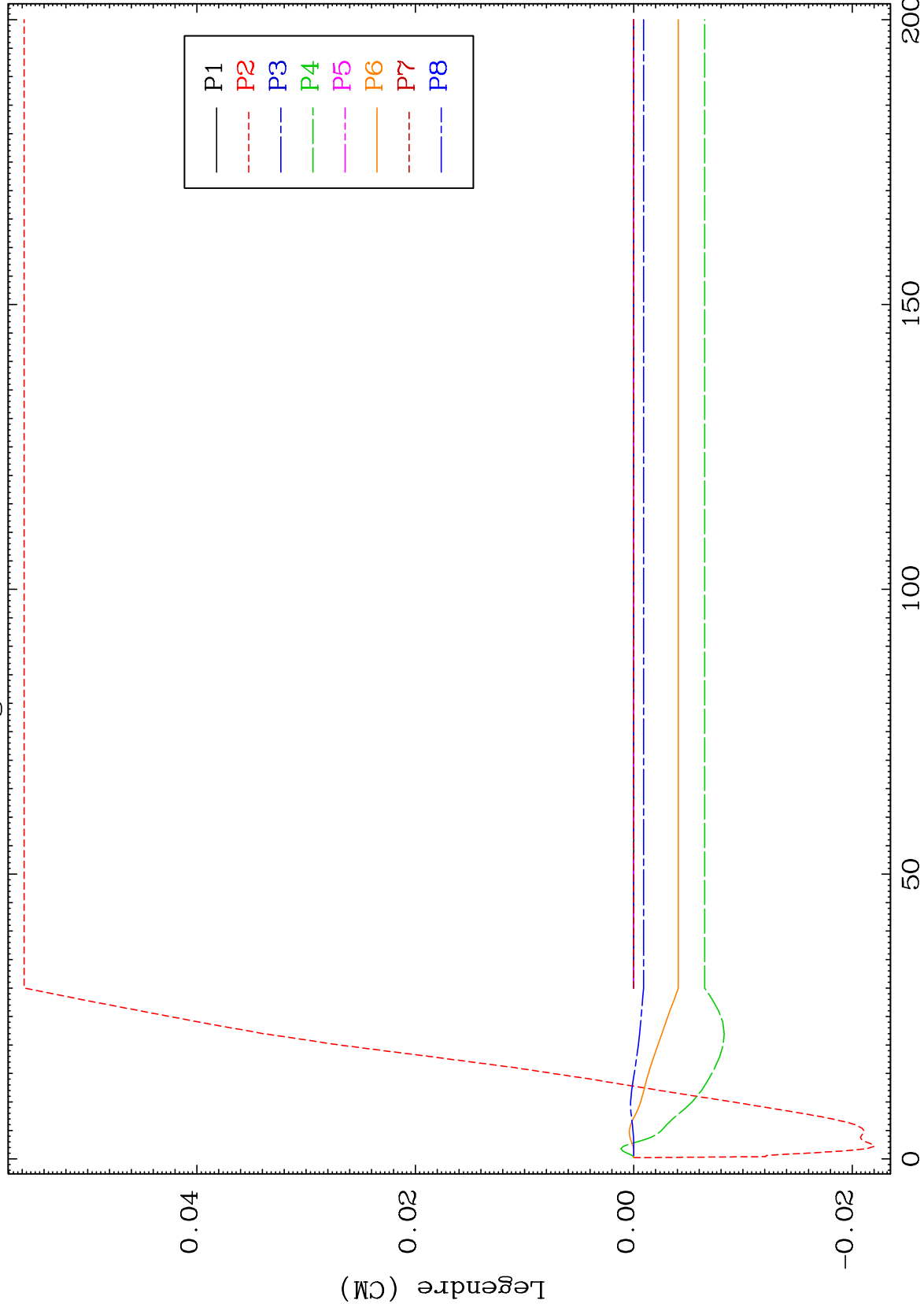
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



53-I -124

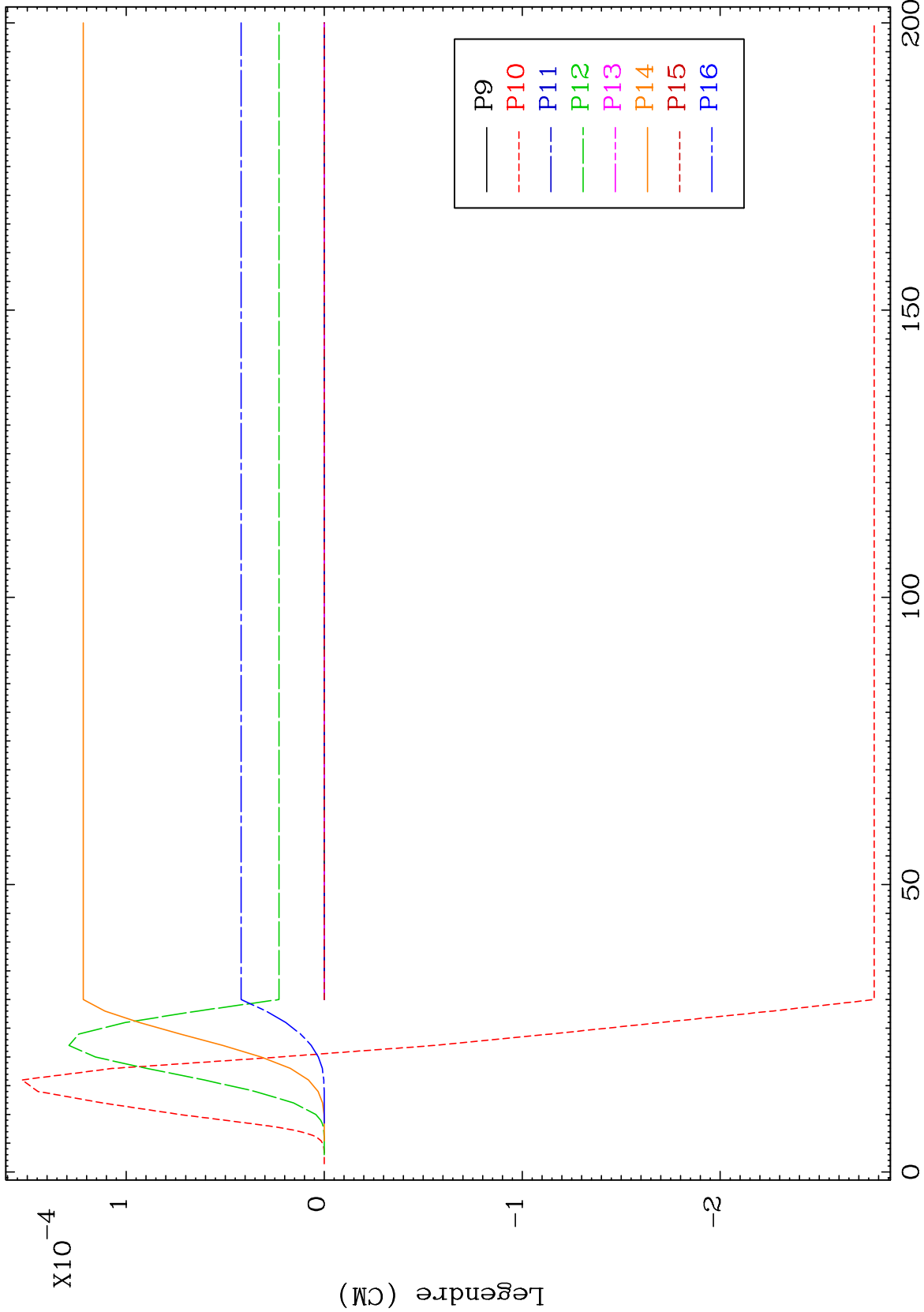
Incident Energy (MeV)

45

MAT 5316

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

53-I -124



46

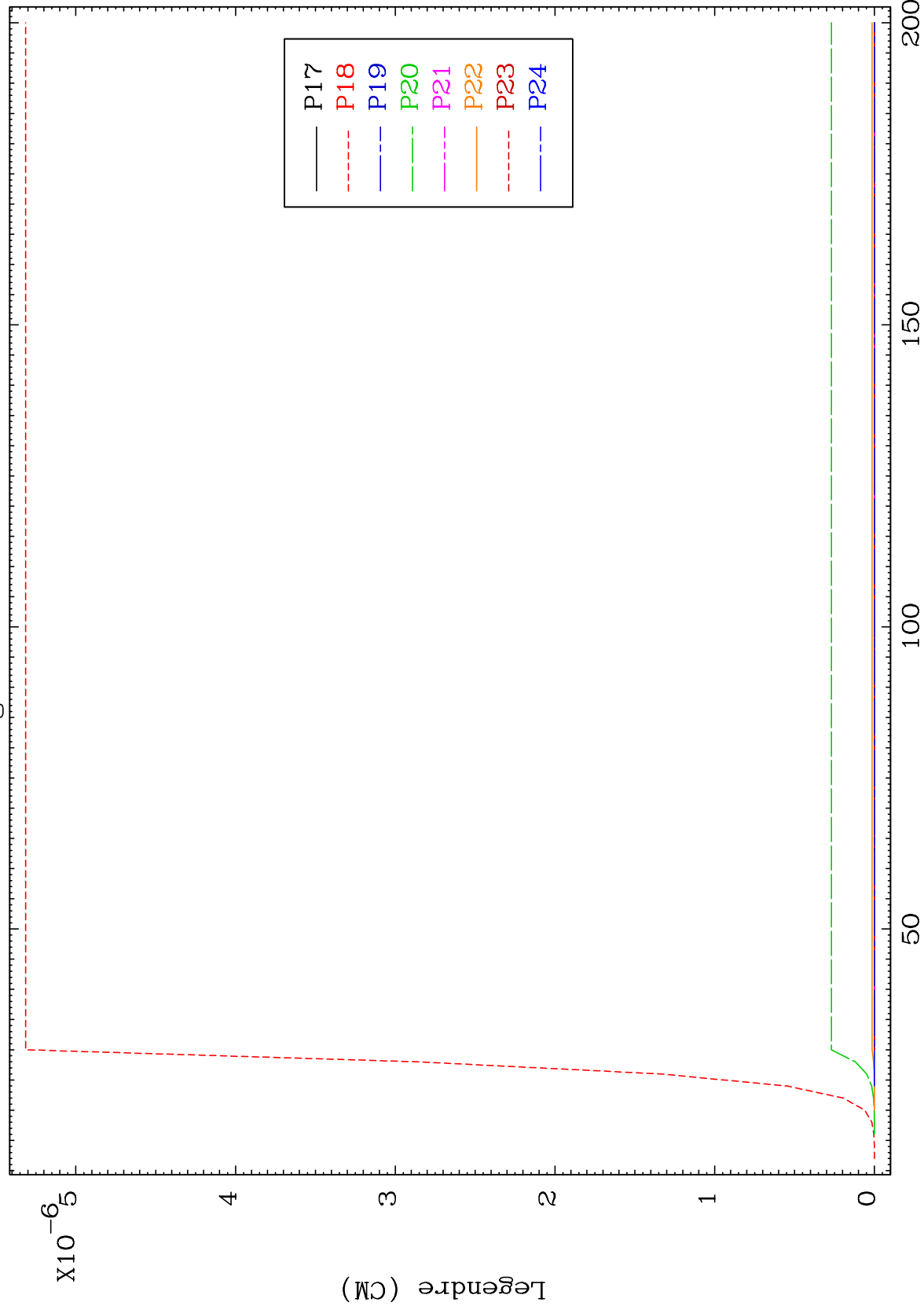
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



53-I -124

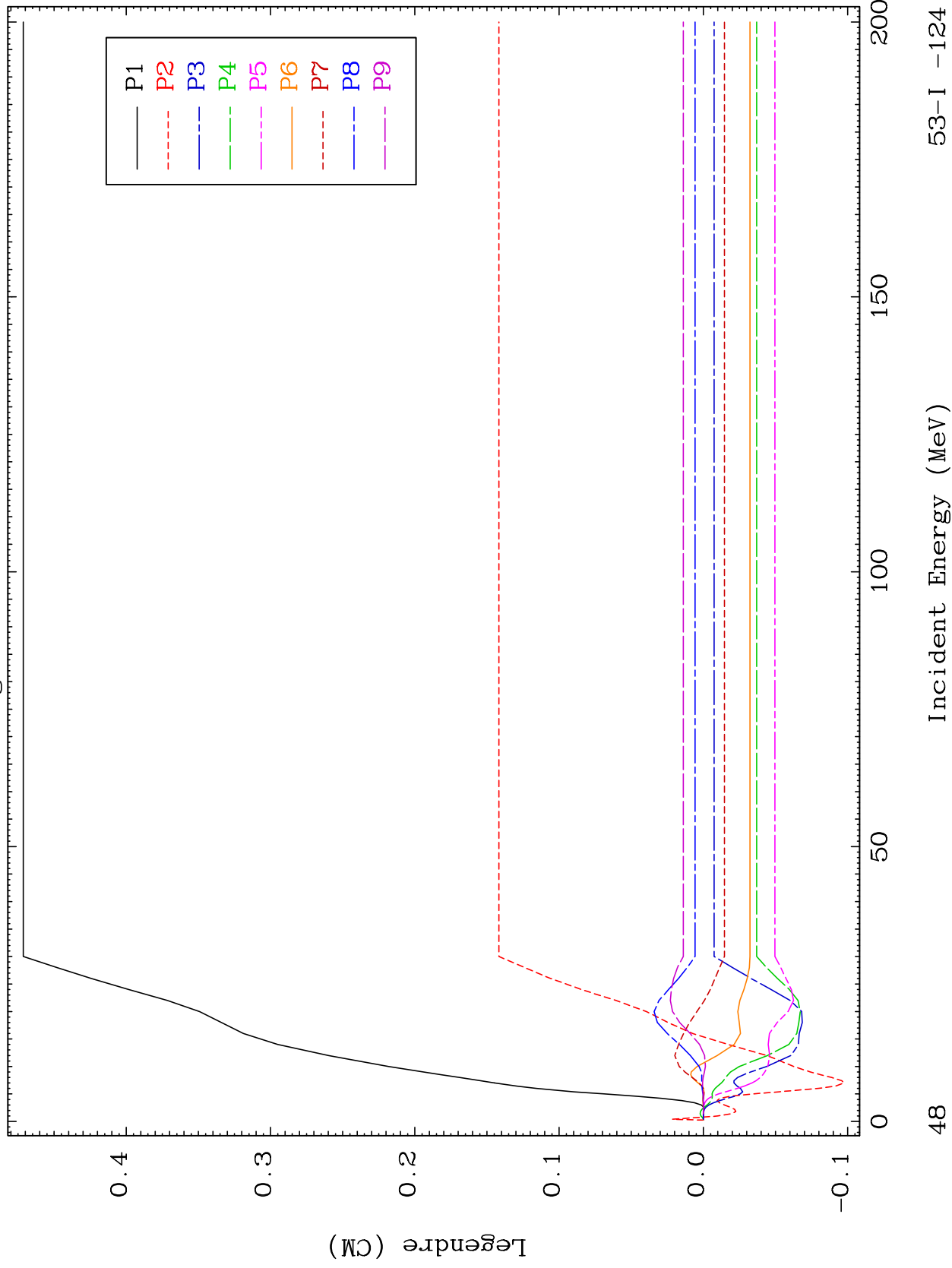
Incident Energy (MeV)

47

MAT 5316

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

53-I -124



53-I -124

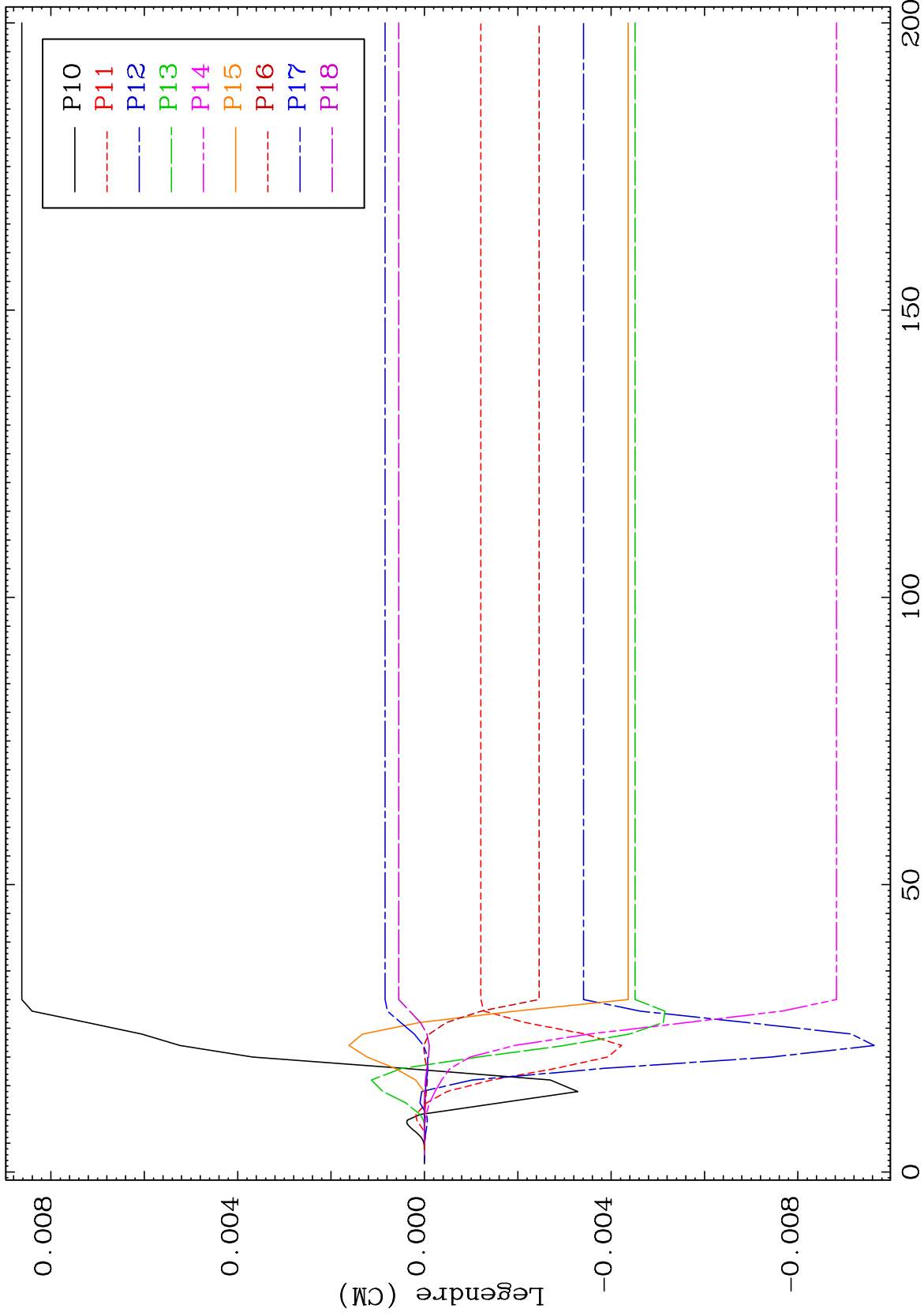
Incident Energy (MeV)

48

MAT 5316

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

53-I -124



49

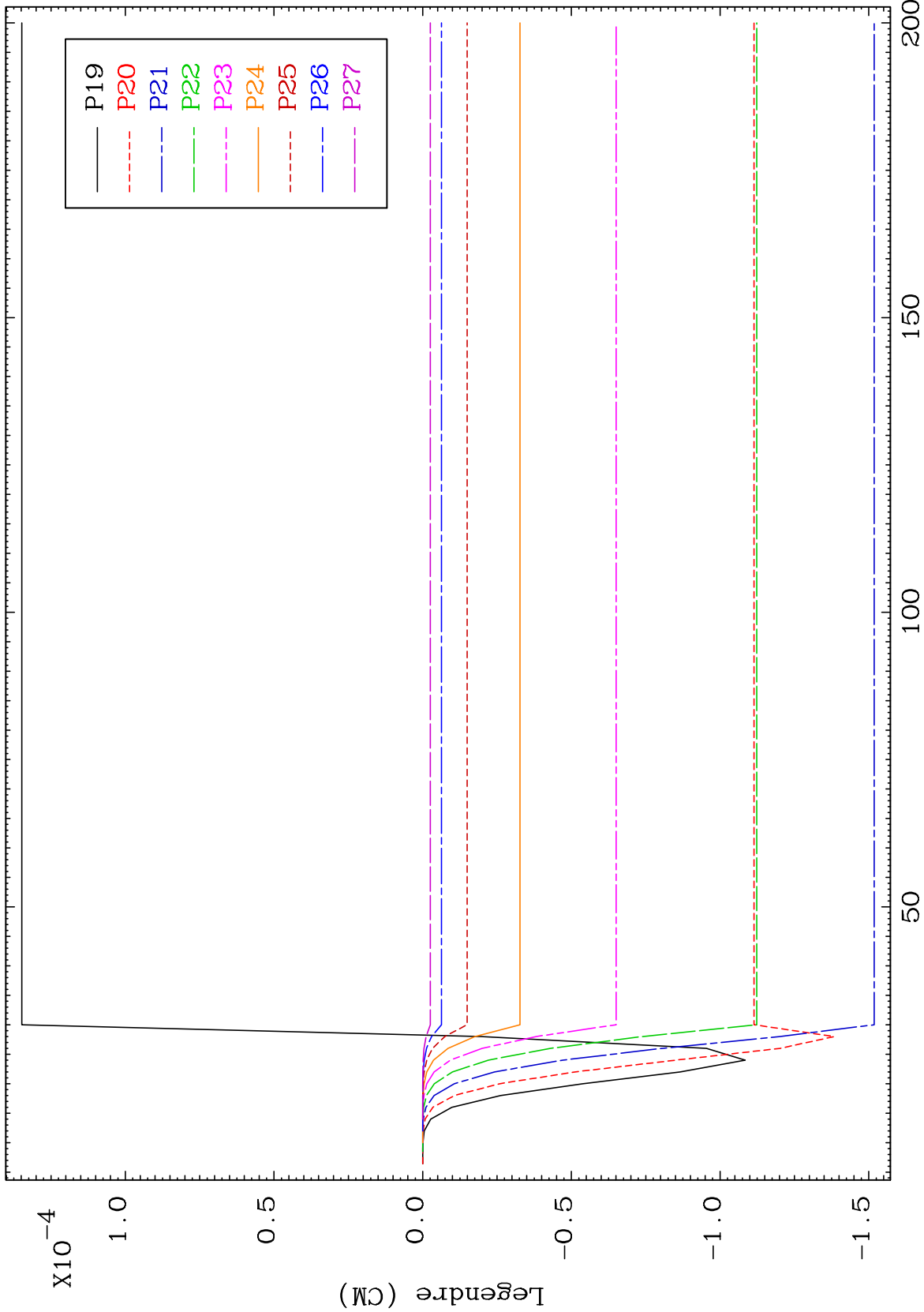
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



50

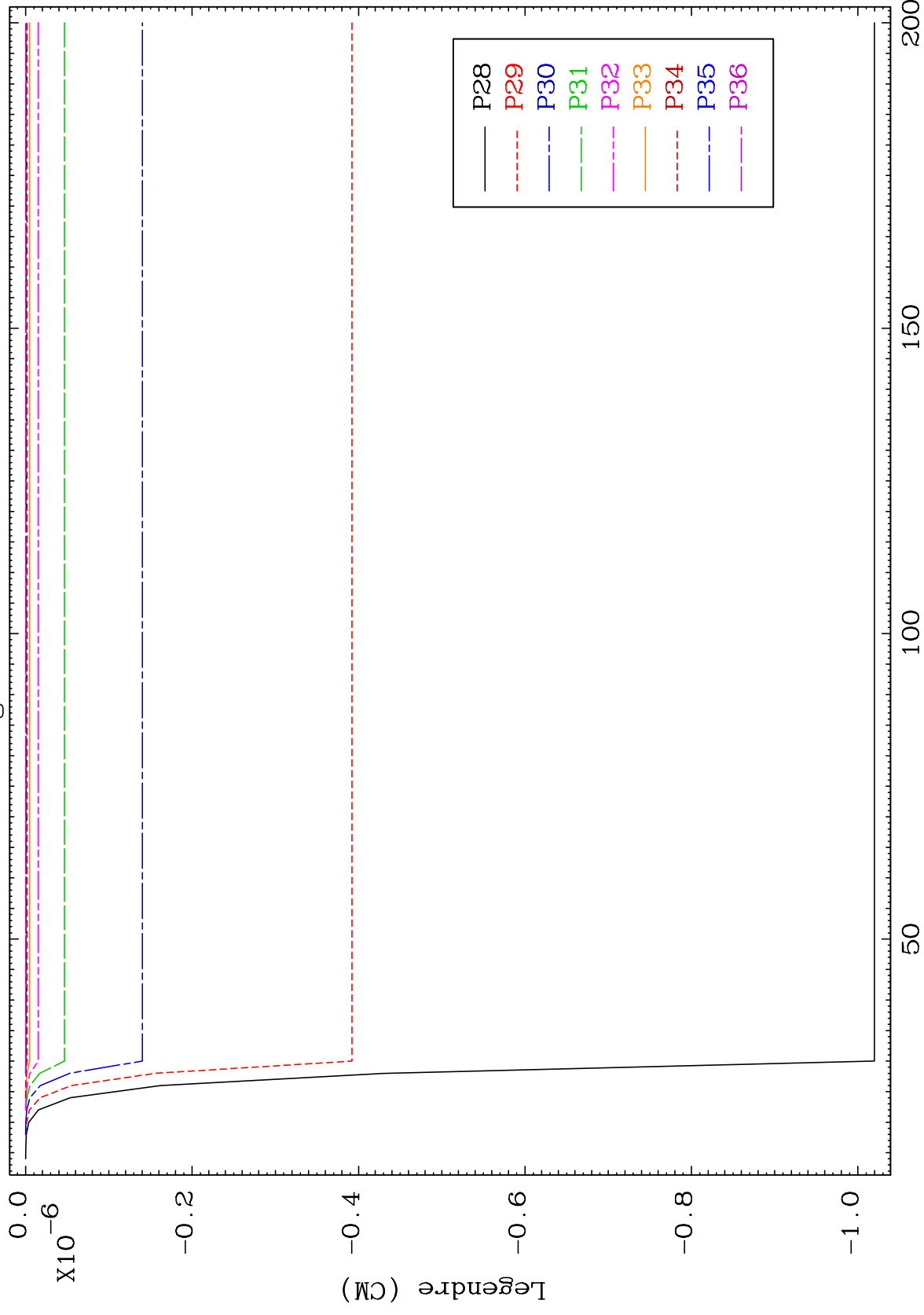
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



51

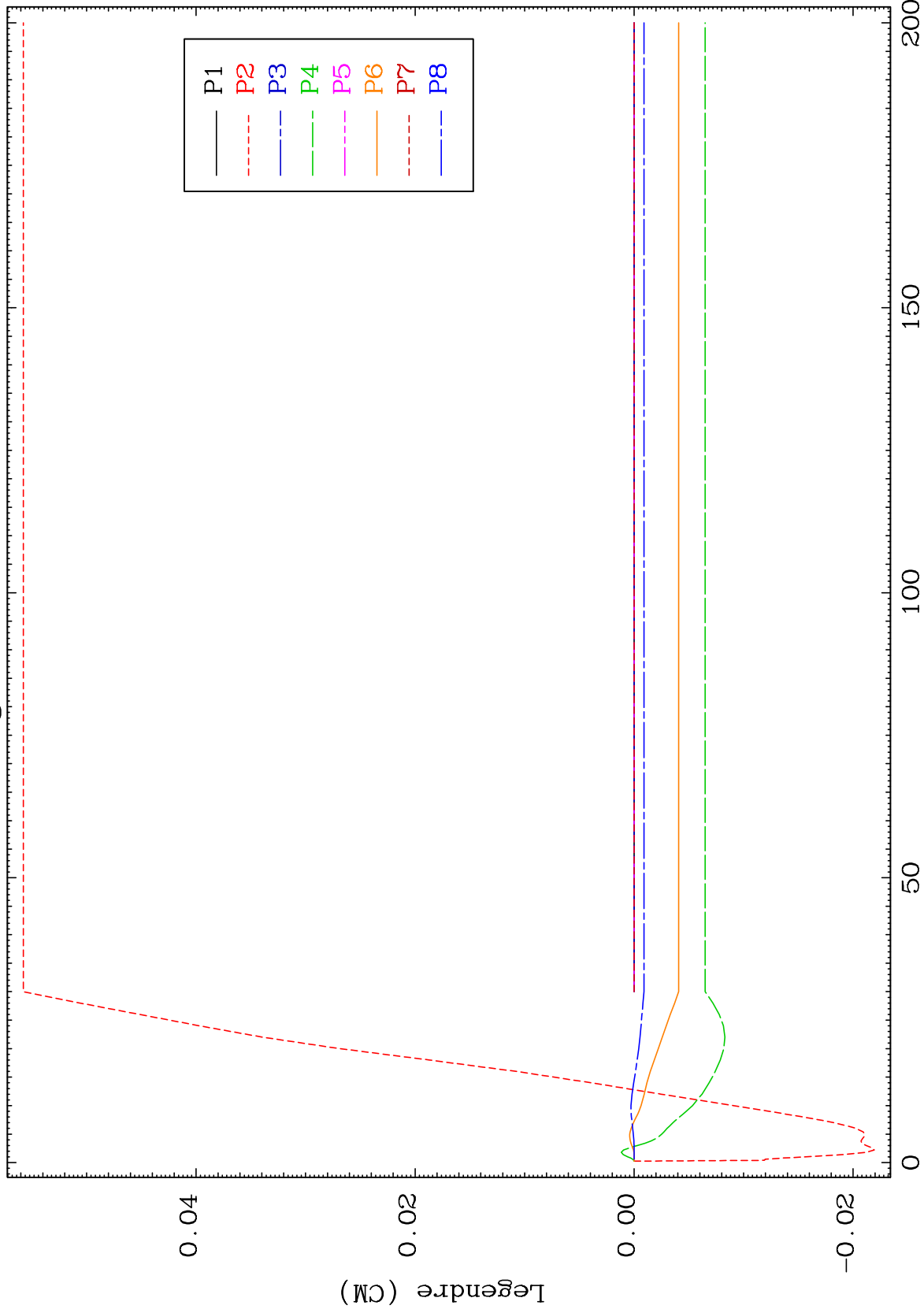
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53-I -124

MAT 5316

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

53-I -124



52

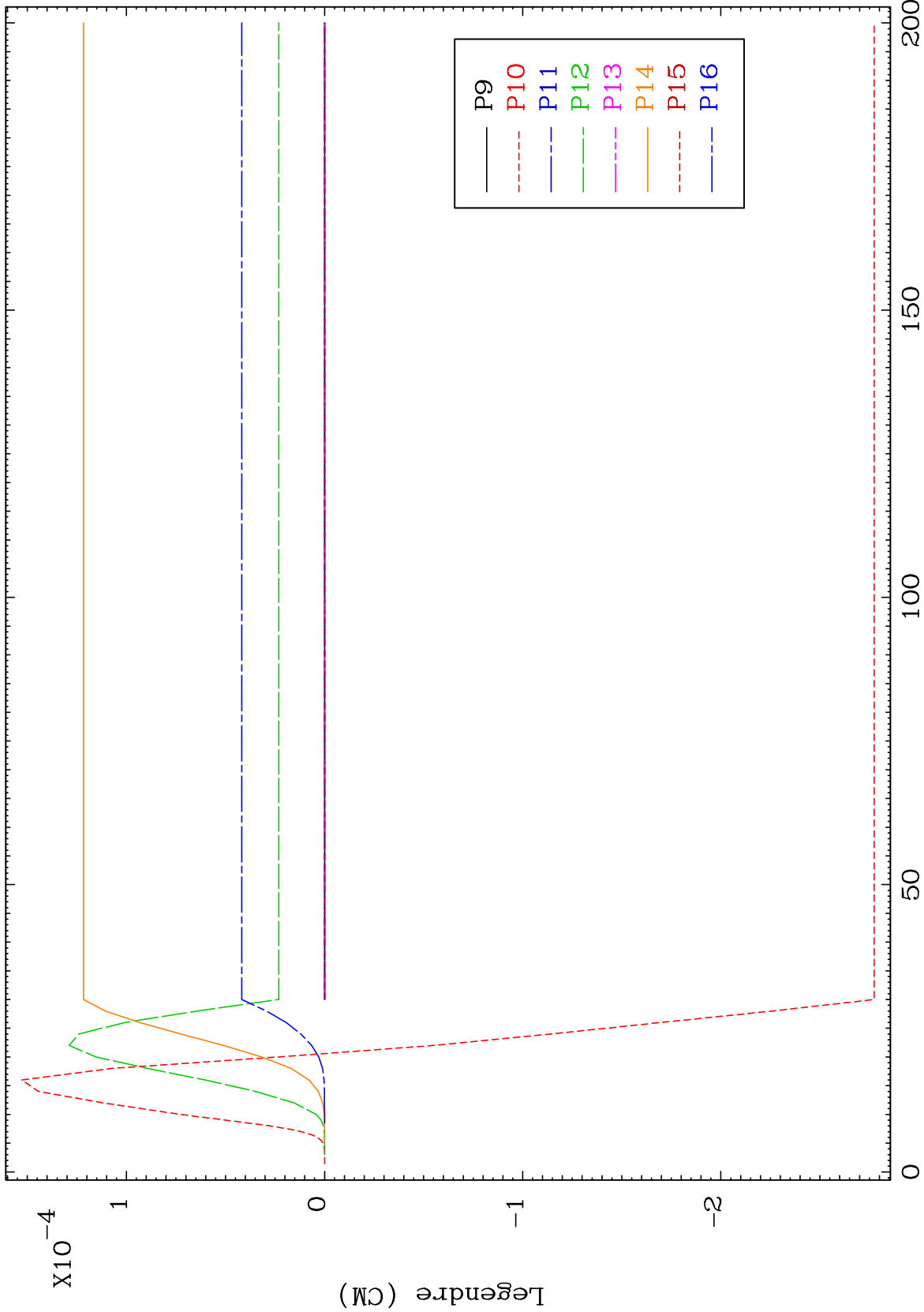
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MAT 5316

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

53-I -124



53

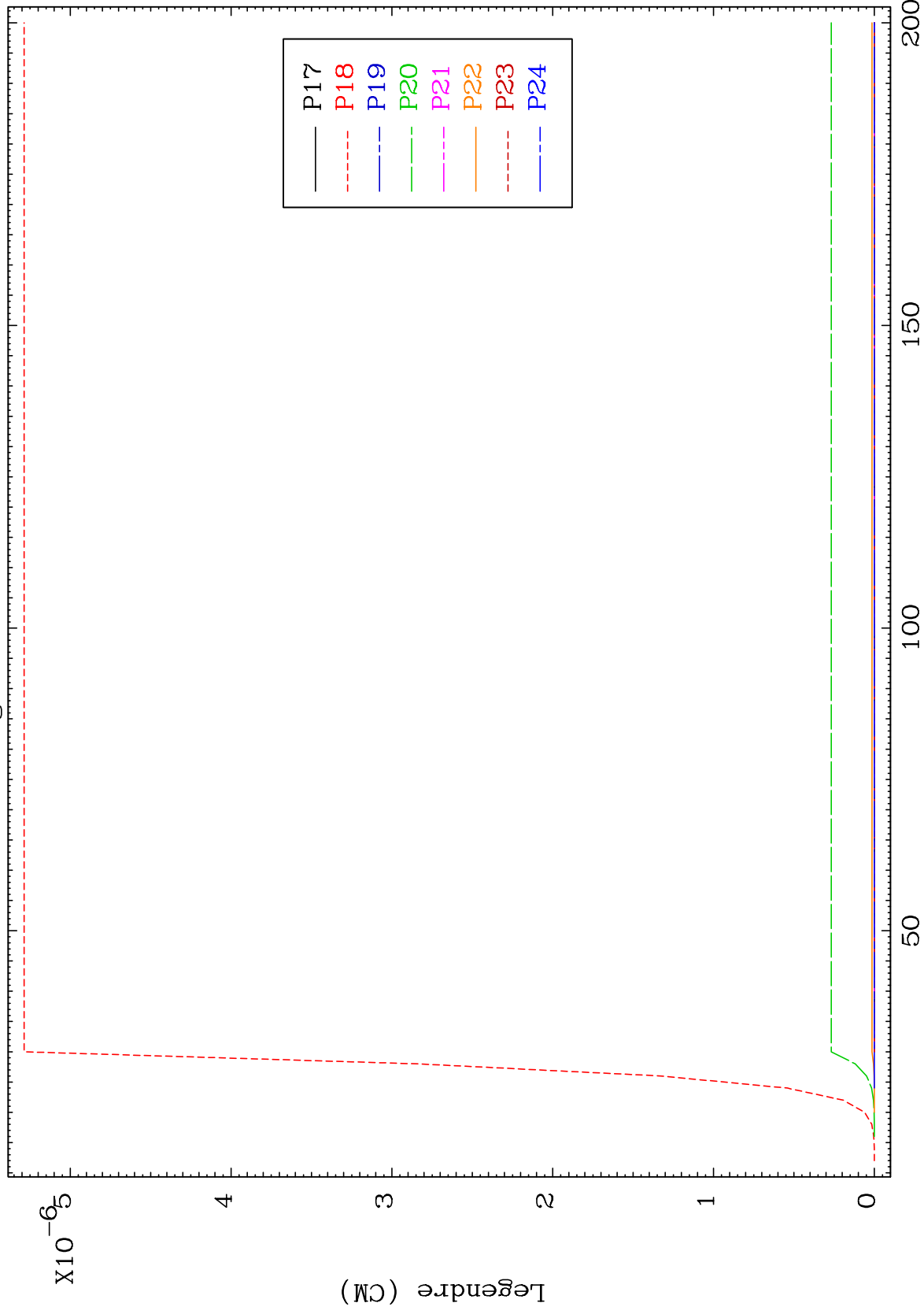
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



54

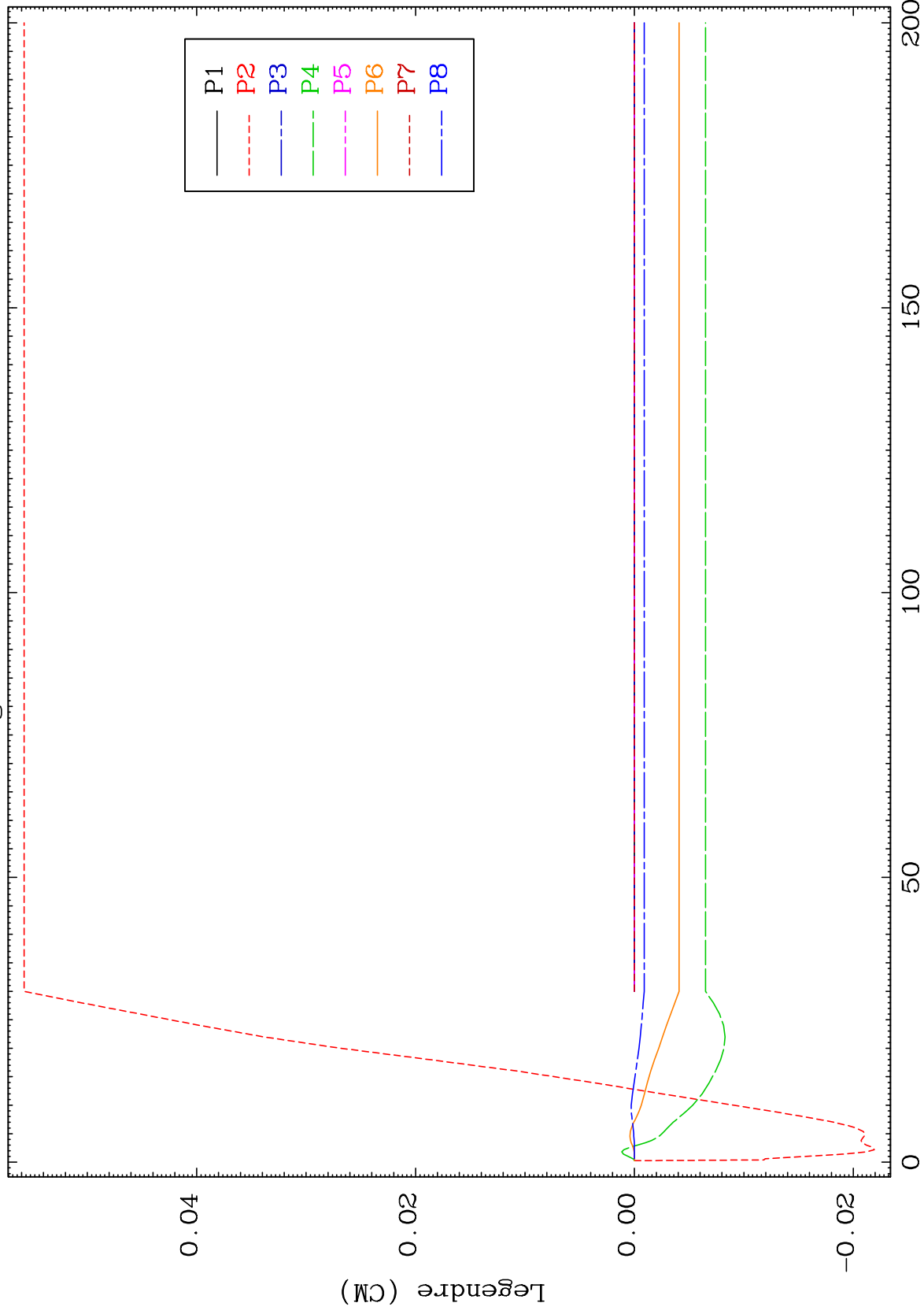
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



53-I -124

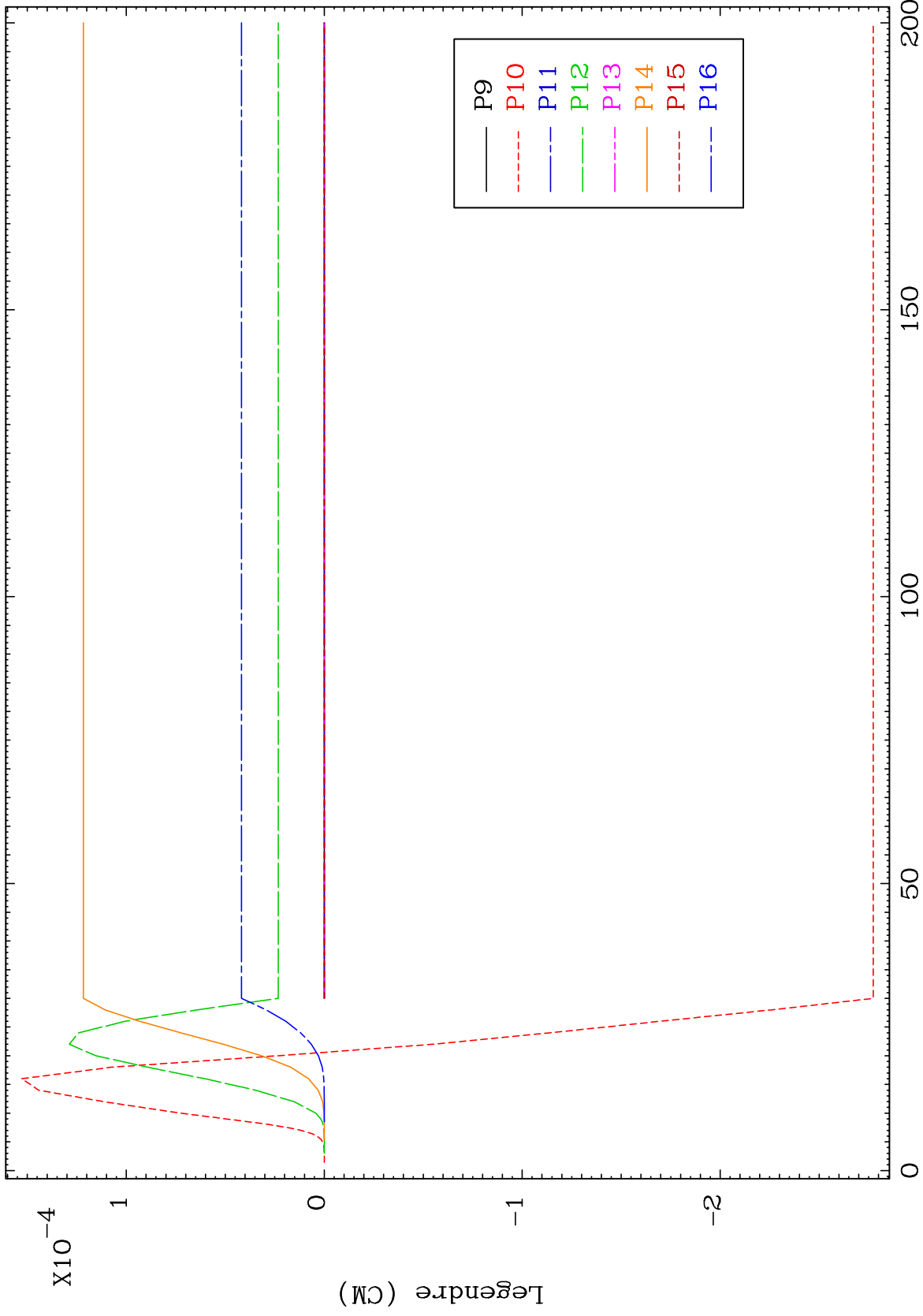
Incident Energy (MeV)

55

MAT 5316

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

53-I -124



56

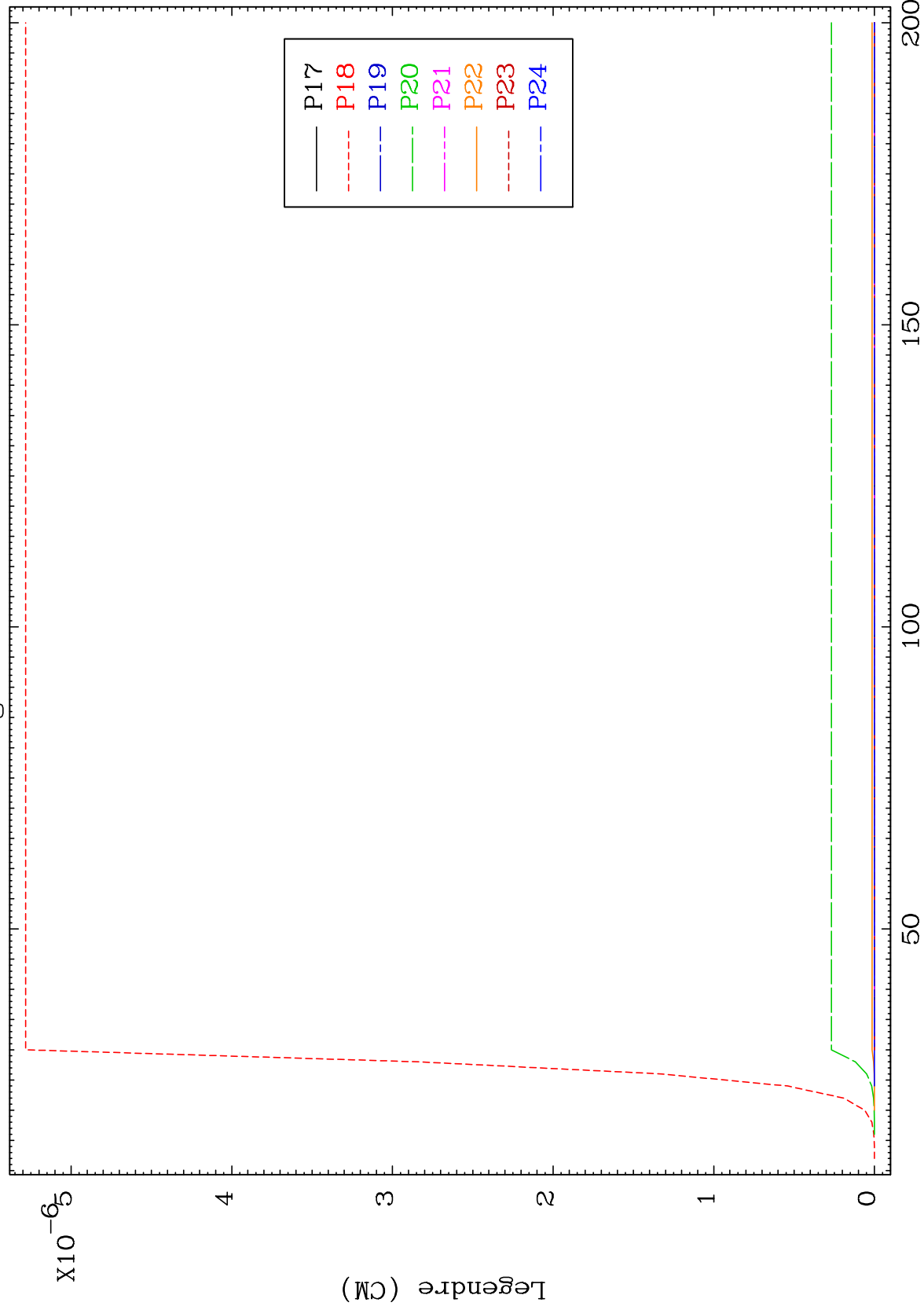
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



53-I -124

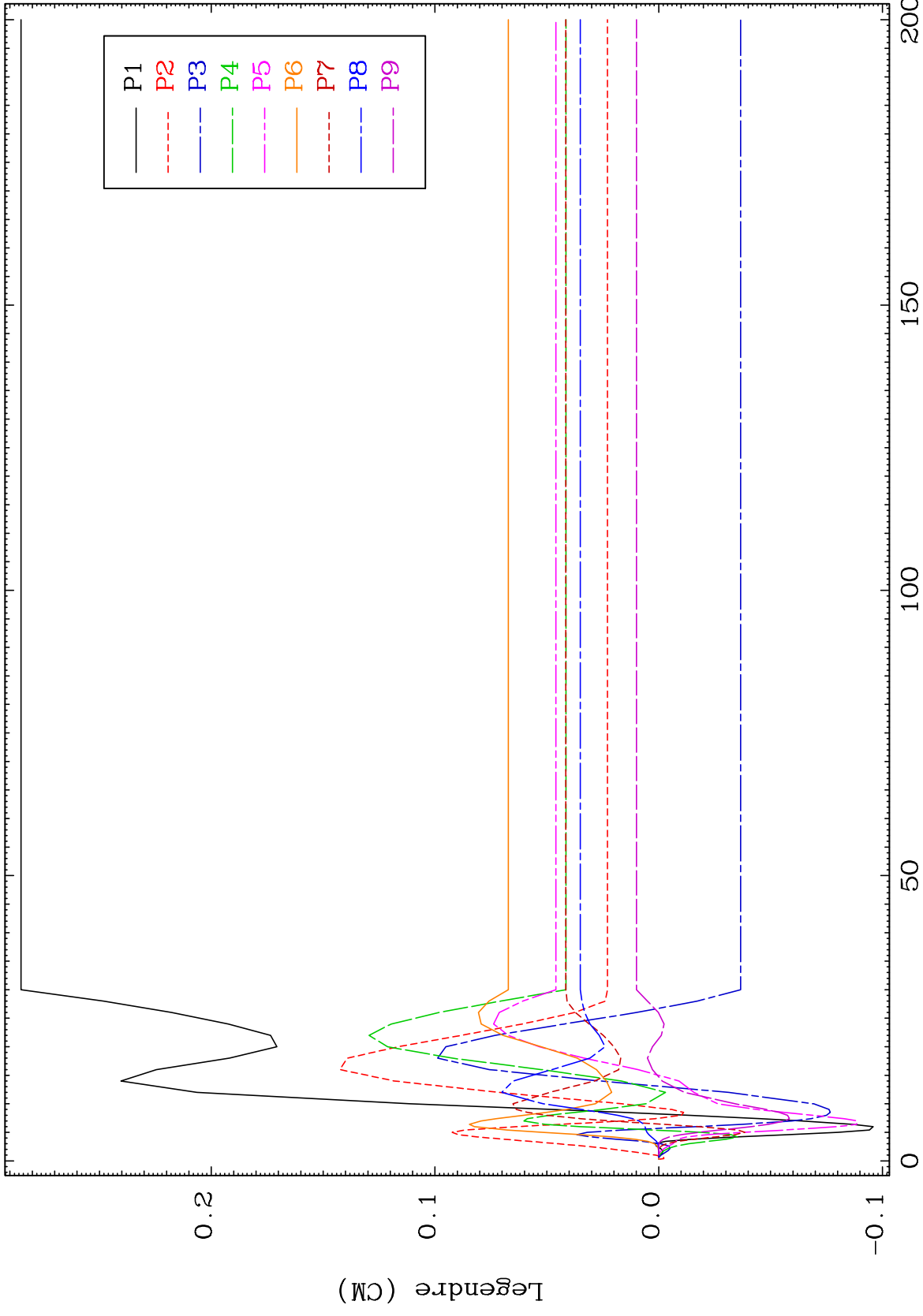
Incident Energy (MeV)

57

MAT 5316

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

53-I -124



58

Incident Energy (MeV)

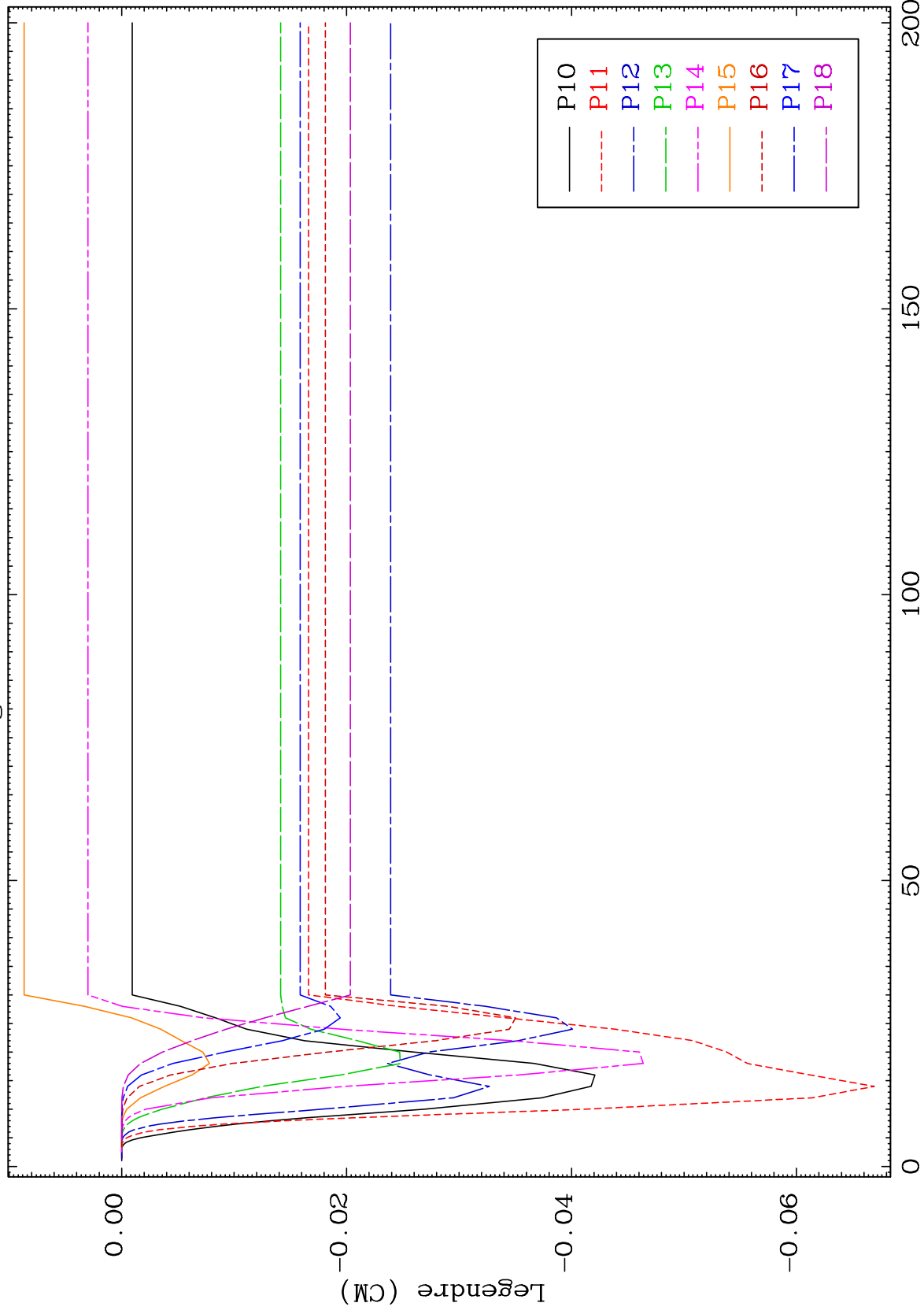
53-I -124

MAT 5316

MT= 62 (n,n') Level

53-I -124

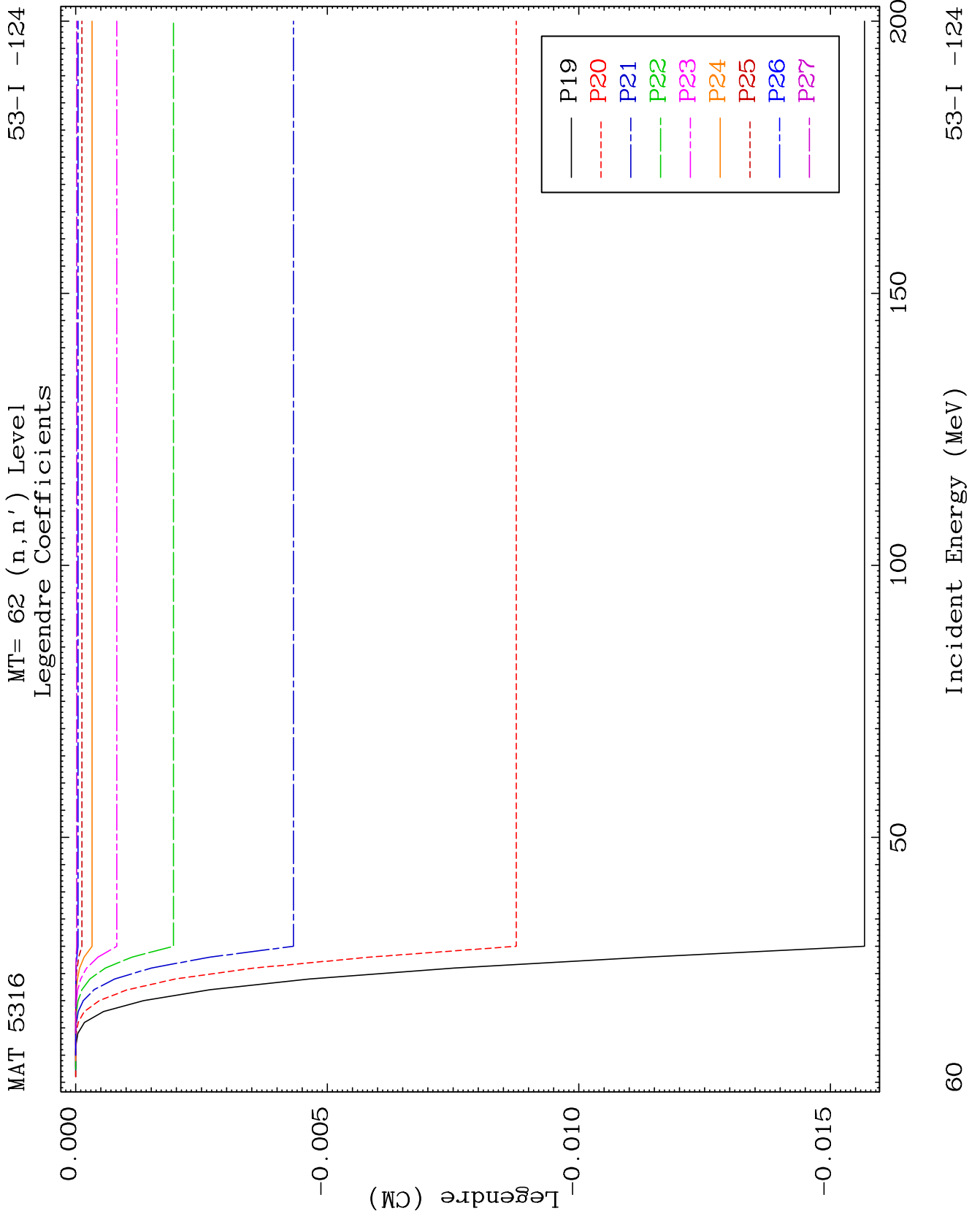
Legendre Coefficients

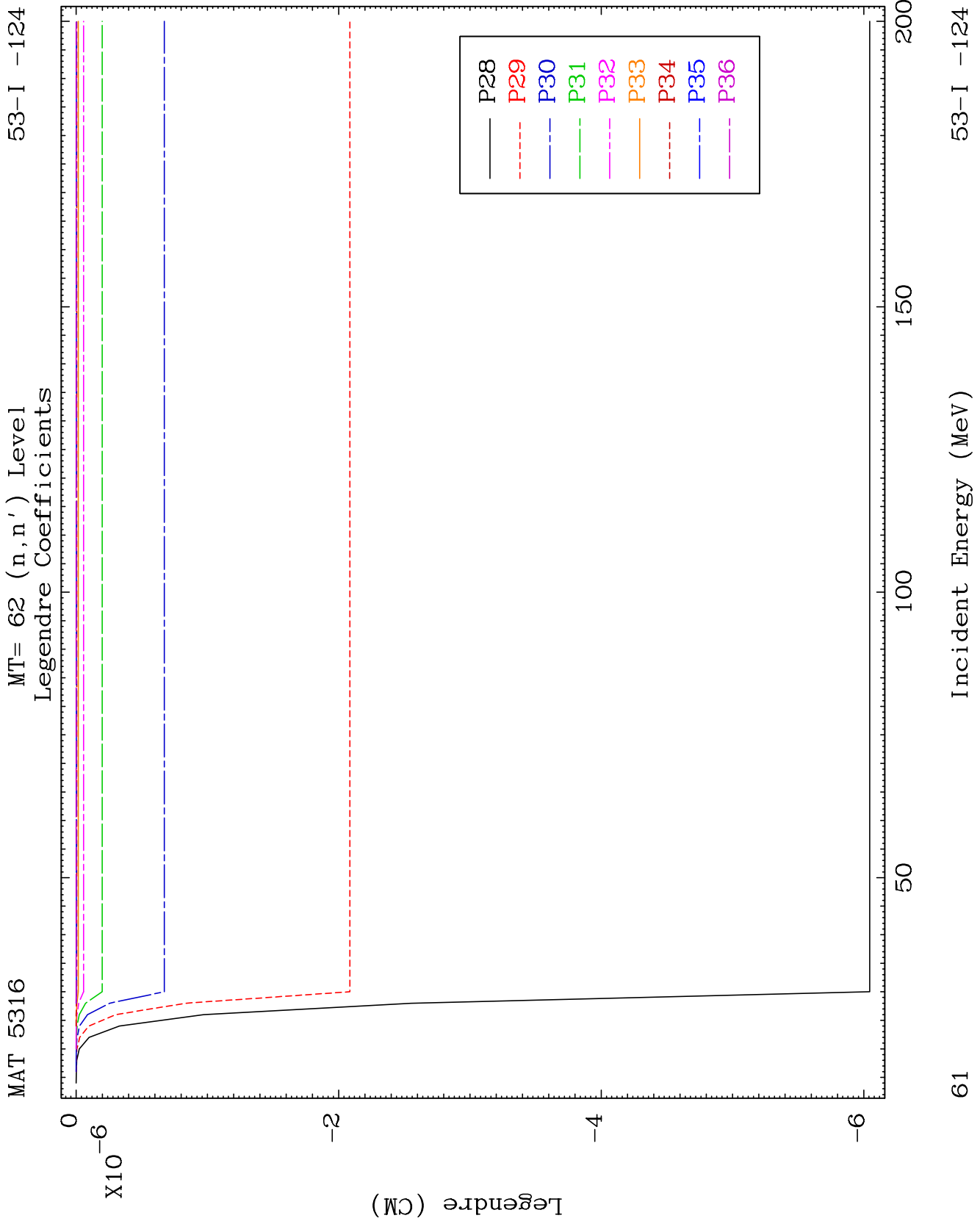


59

Incident Energy (MeV)

53-I -124

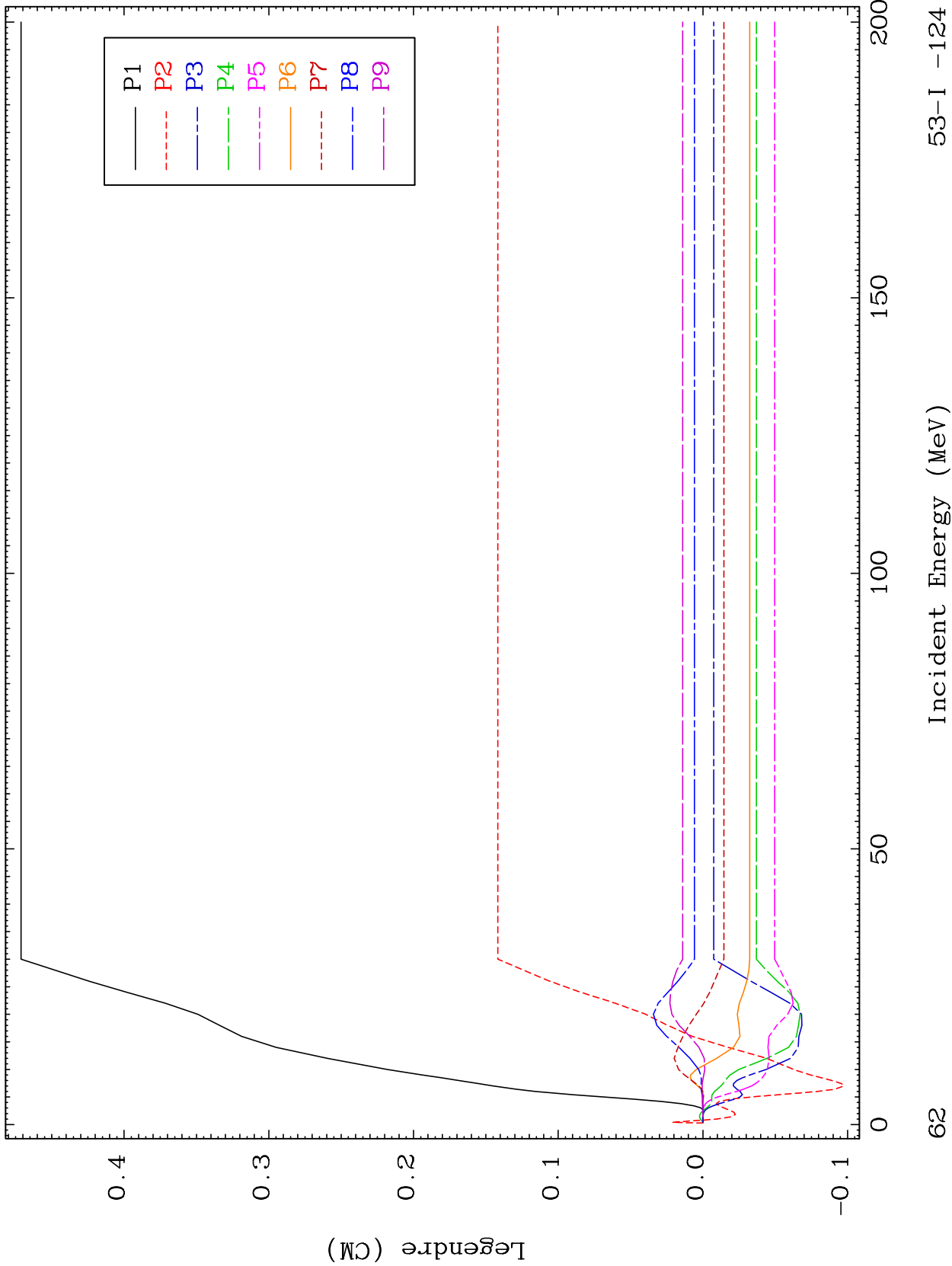




MAT 5316

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

53-I -124



53-I -124

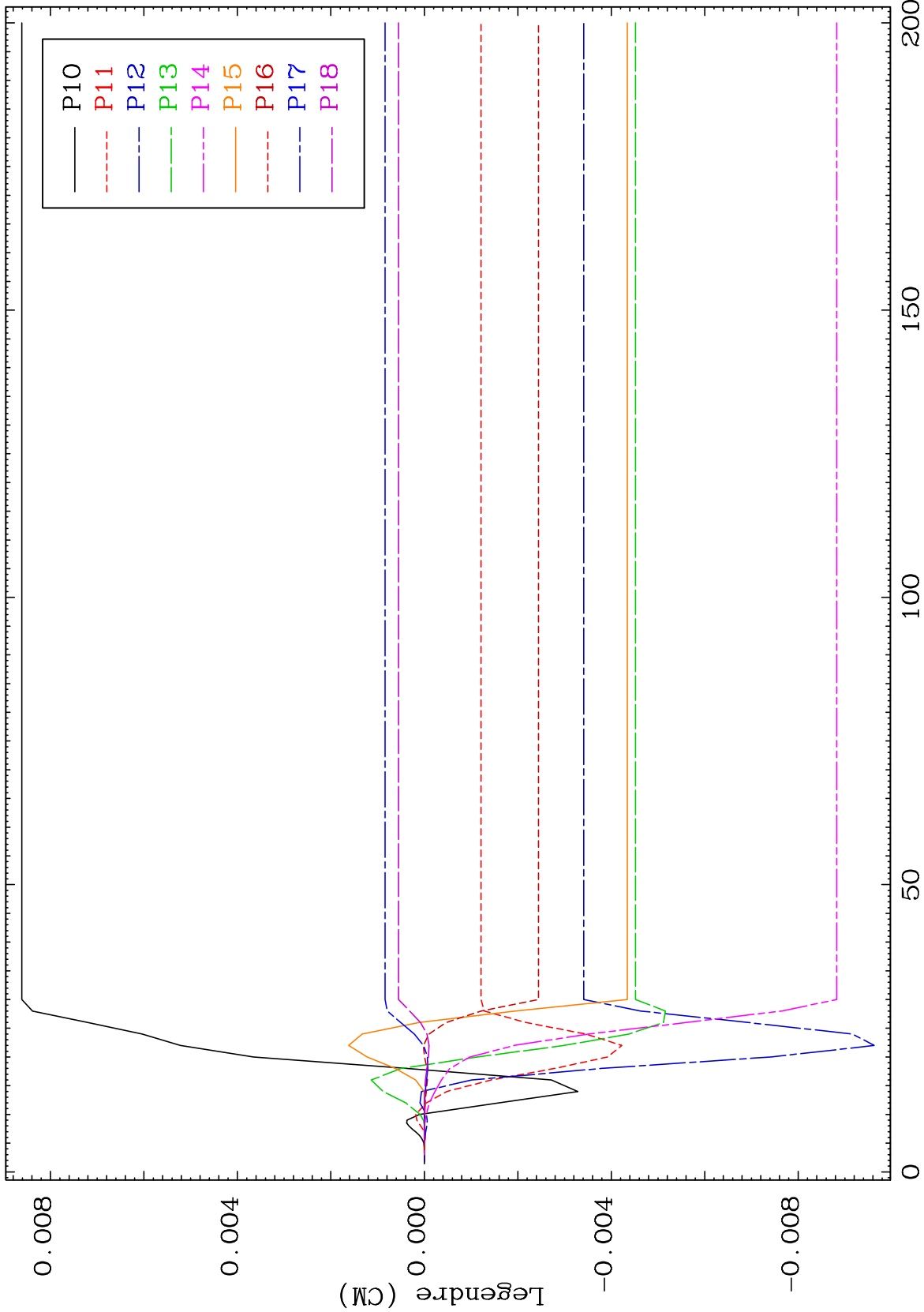
Incident Energy (MeV)

62

MAT 5316

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

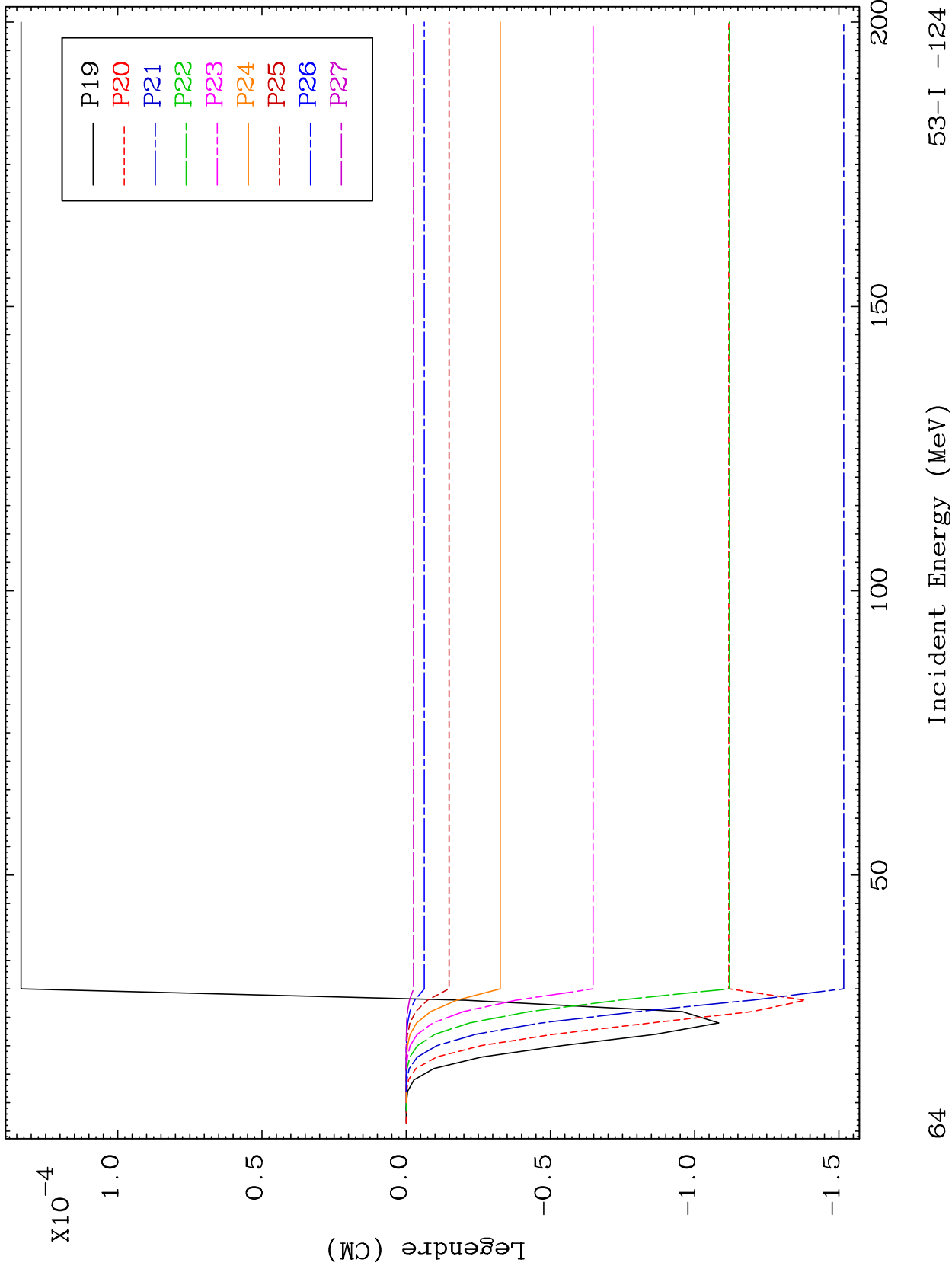
53-I -124

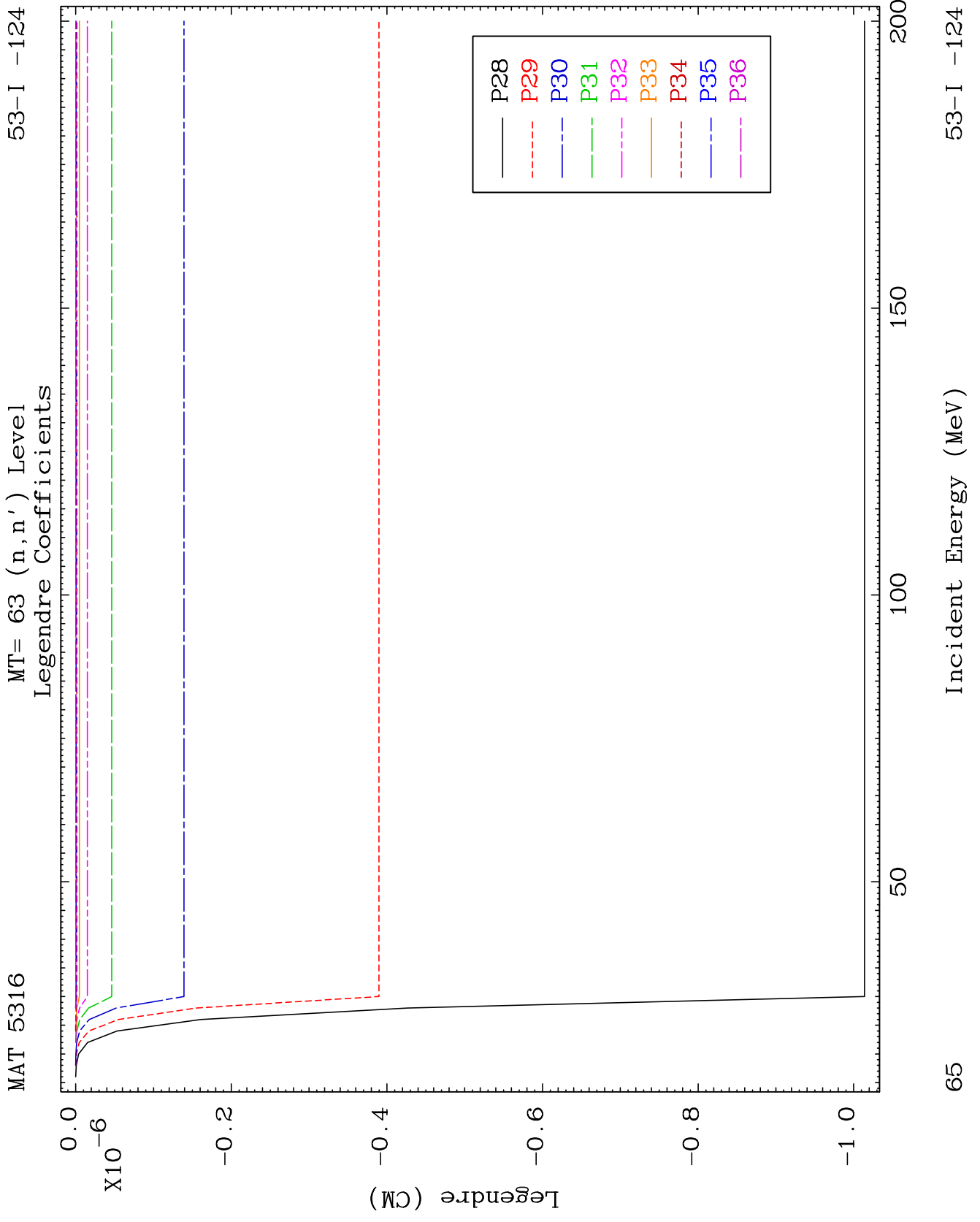


63

Incident Energy (MeV)

53-I -124

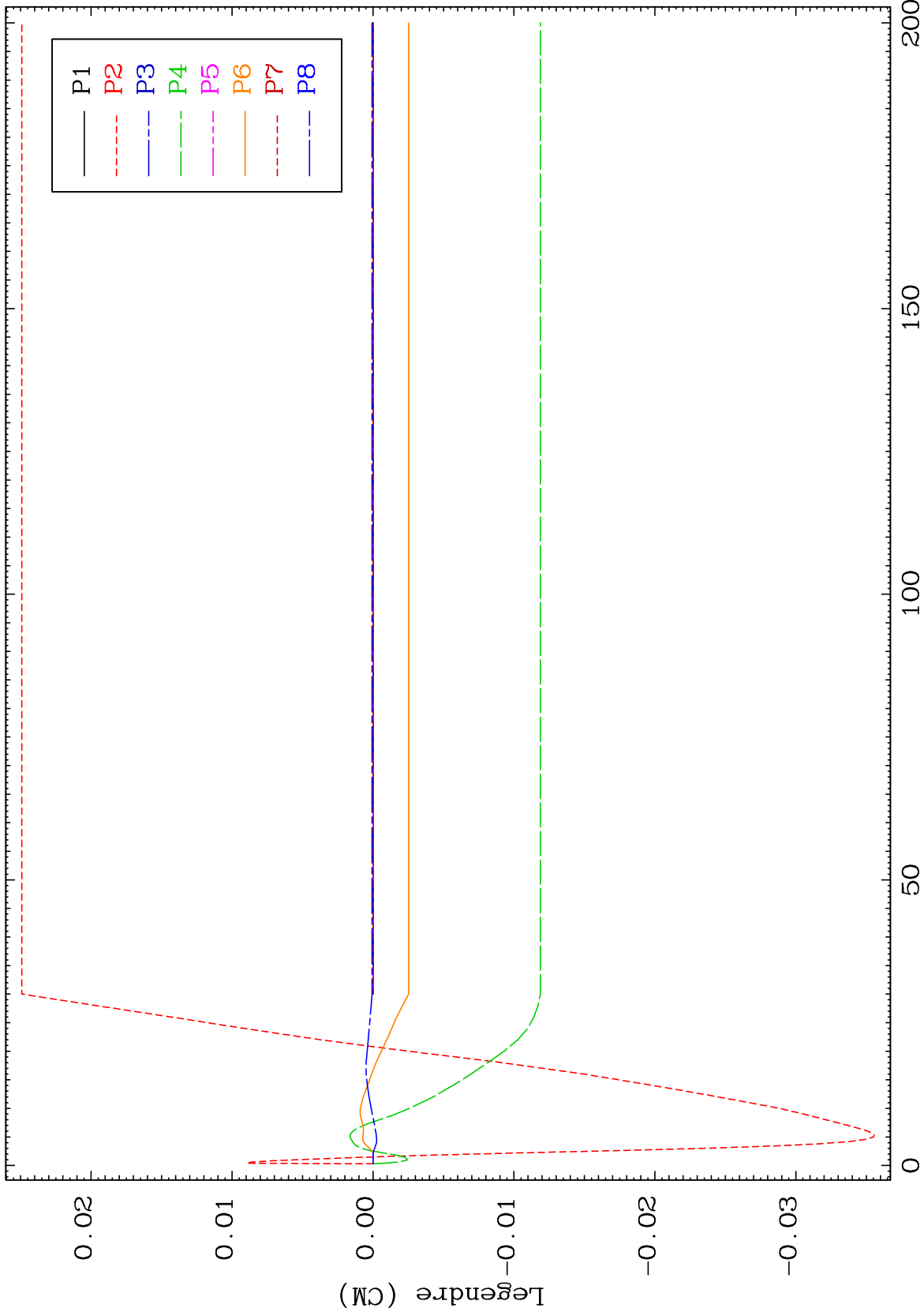




MAT 5316

MT= 64 (n,n') Level  
Legendre Coefficients

53-I -124



66

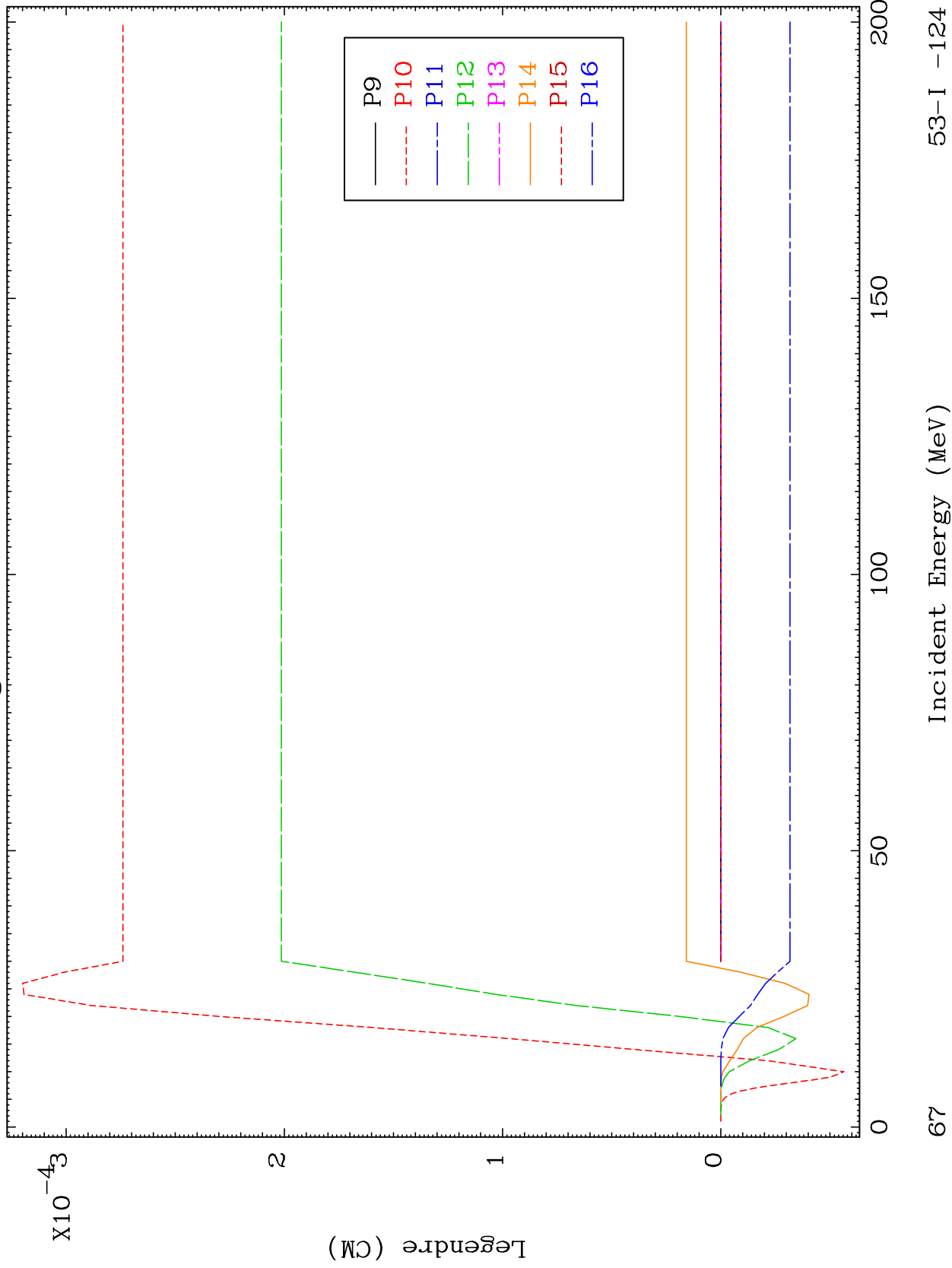
Incident Energy (MeV)

53-I -124

MAT 5316

MT= 64 (n,n') Level  
Legendre Coefficients

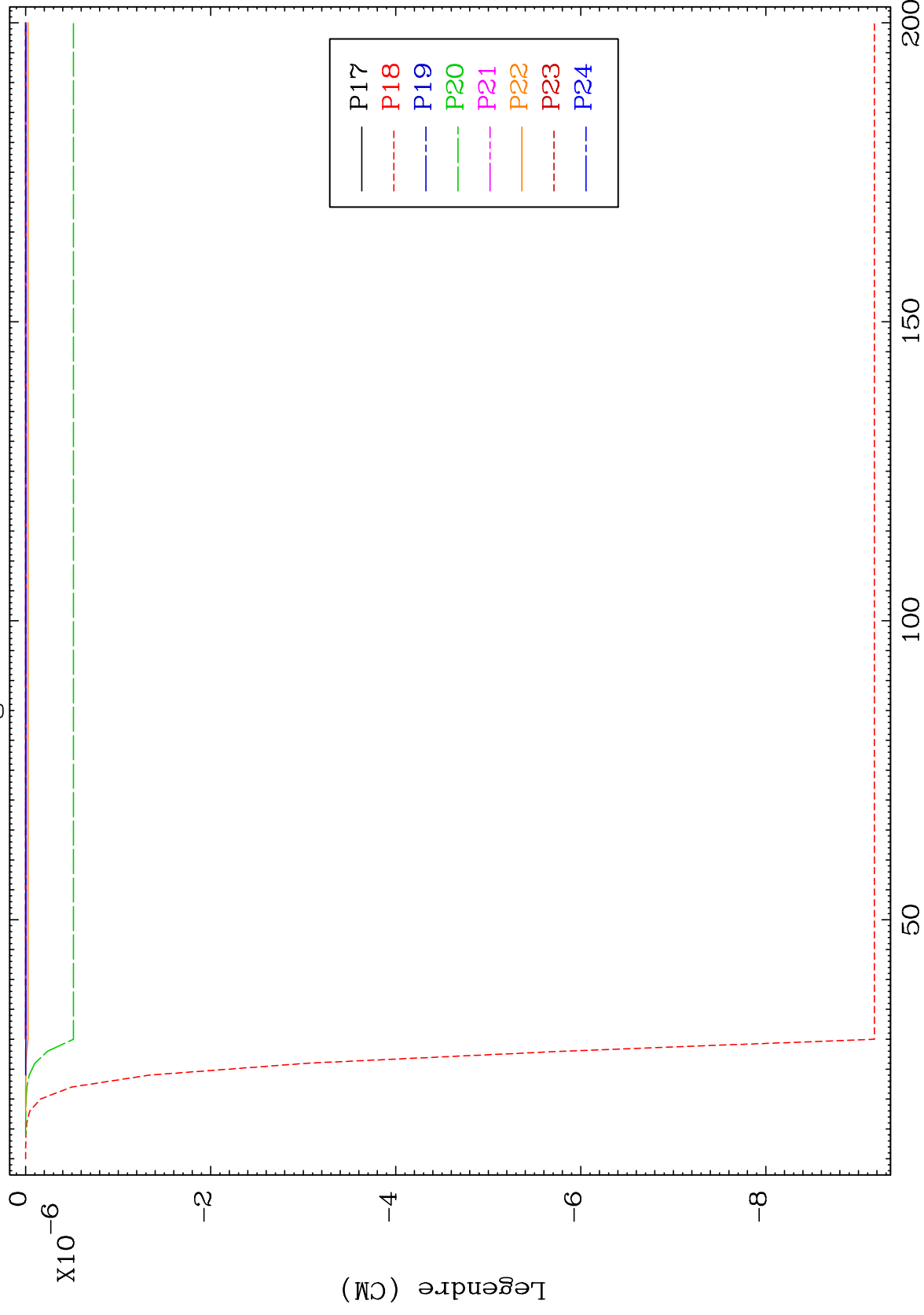
53-I -124



MAT 5316

MT= 64 (n,n') Level  
Legendre Coefficients

53-I -124



68

Incident Energy (MeV)

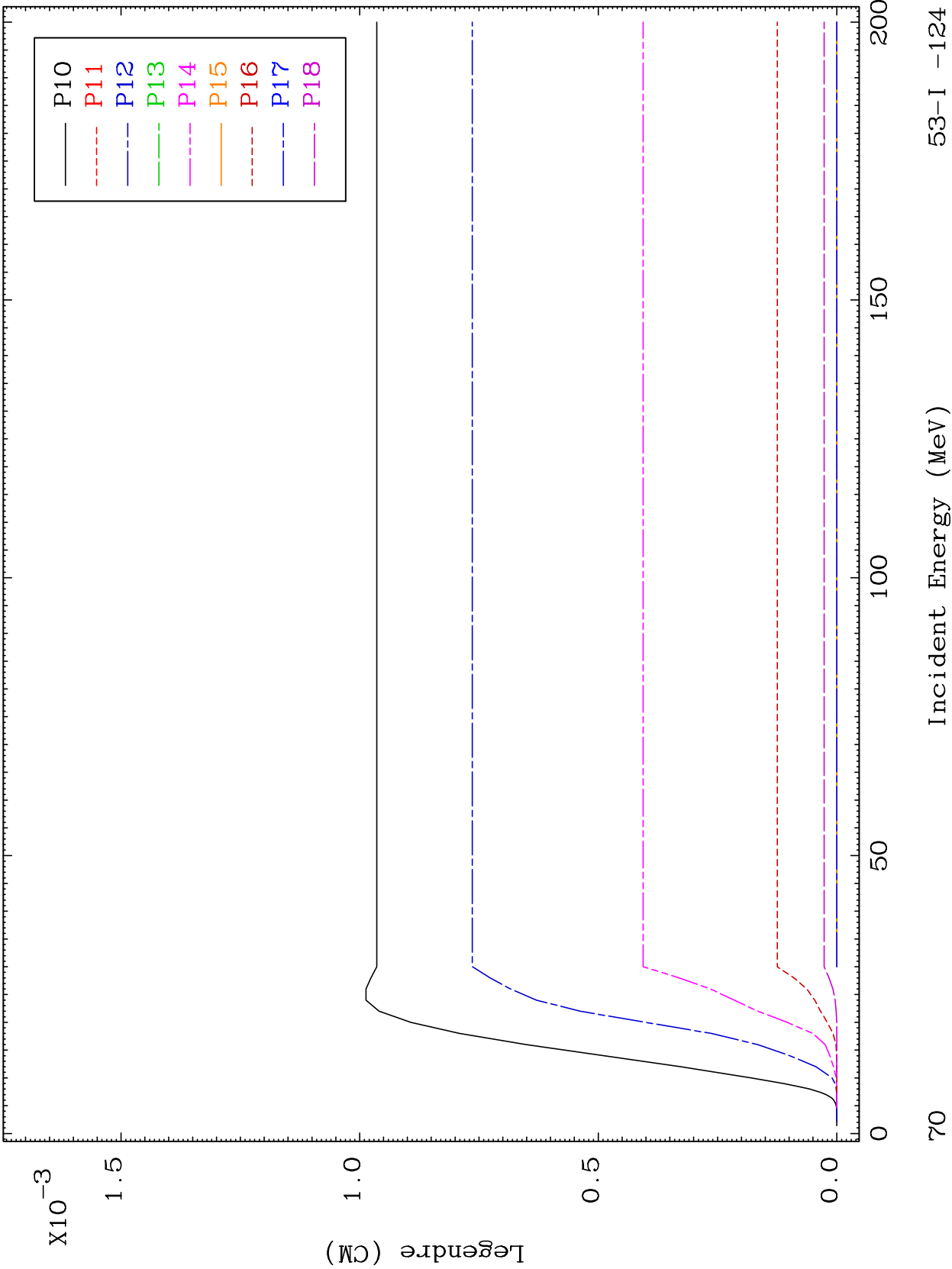
53-I -124



MAT 5316

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

53-I -124

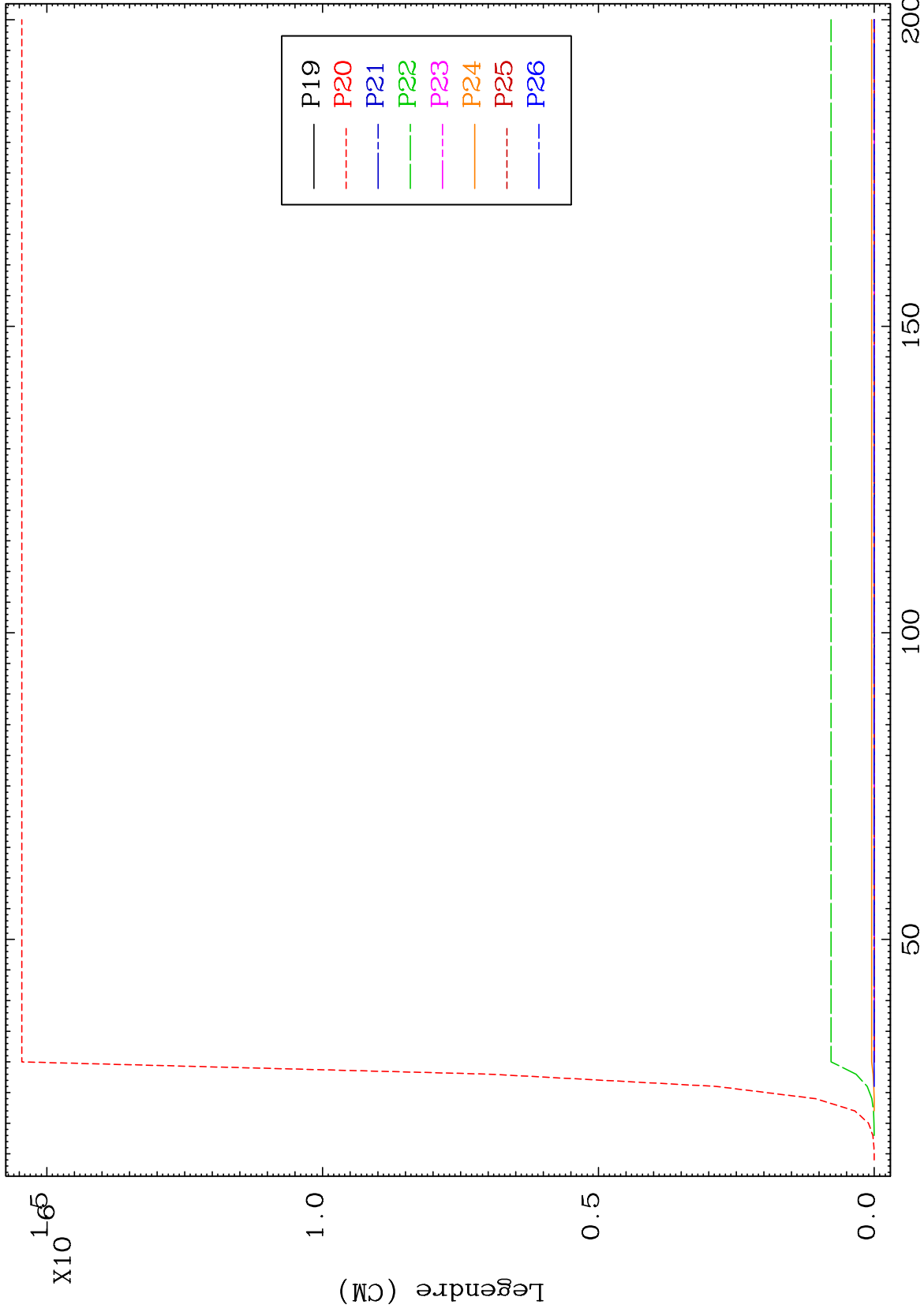


53-I -124

MAT 5316

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

53-I -124



71

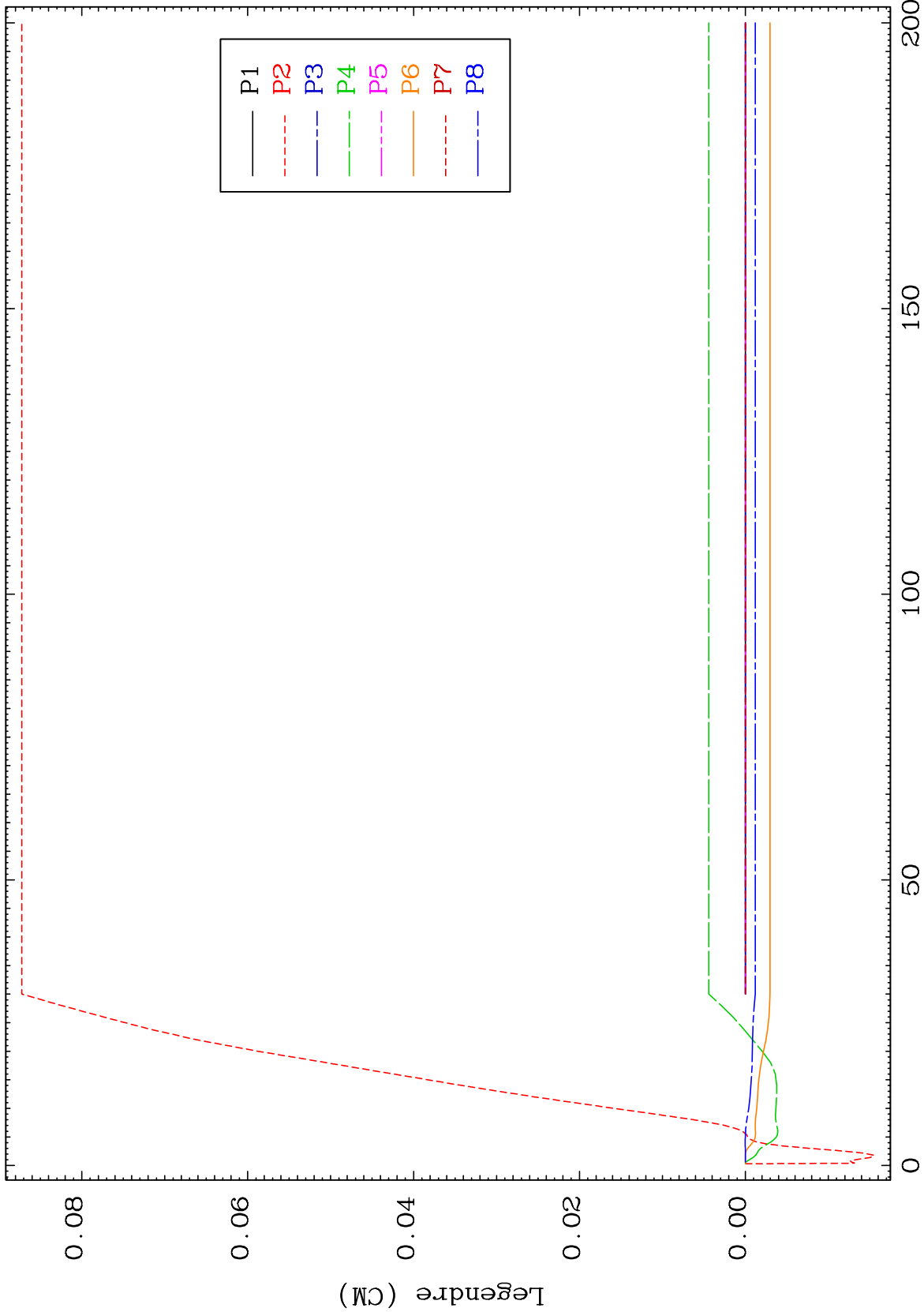
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



72

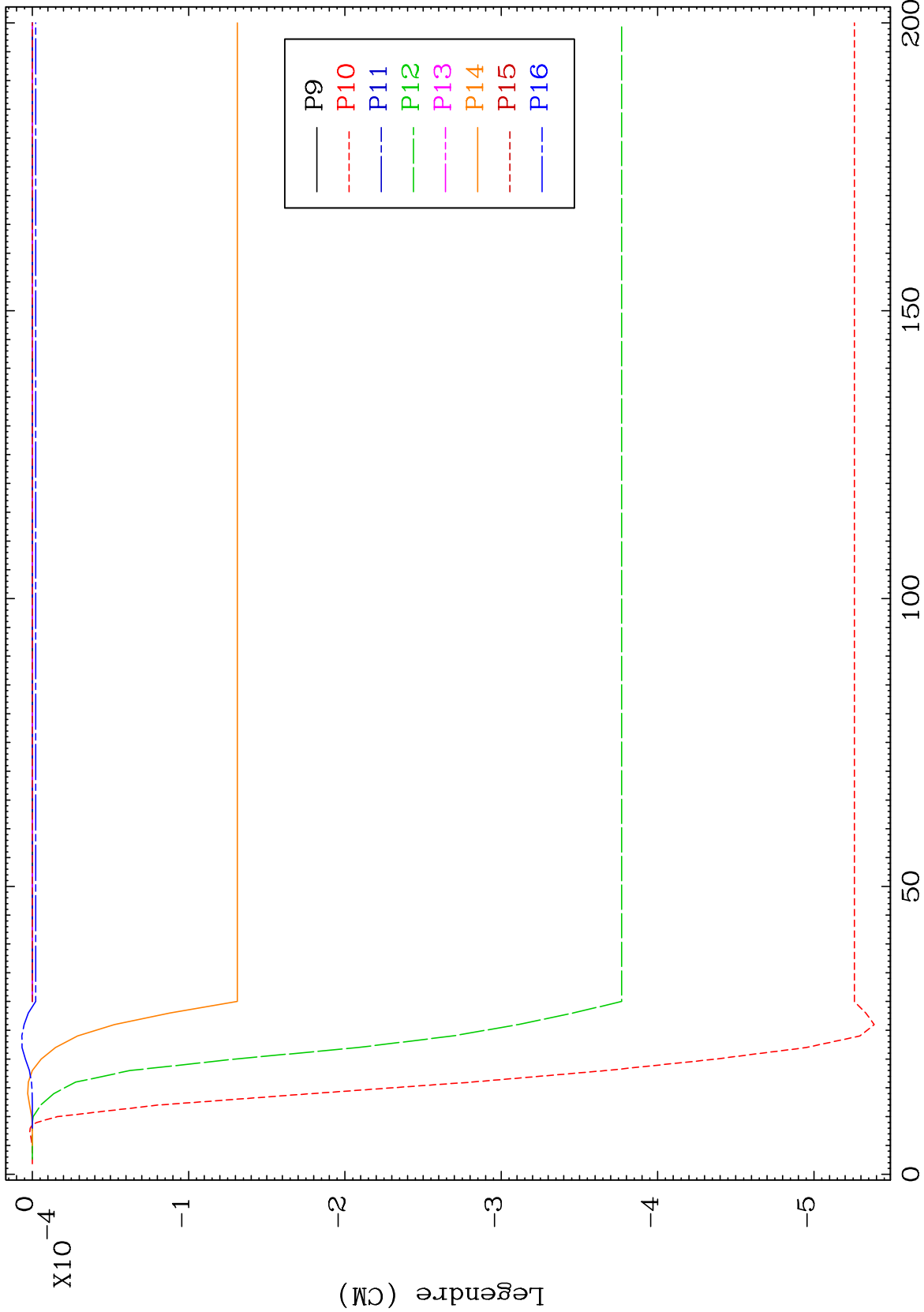
Incident Energy (MeV)

53-I -124

MAT 5316

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

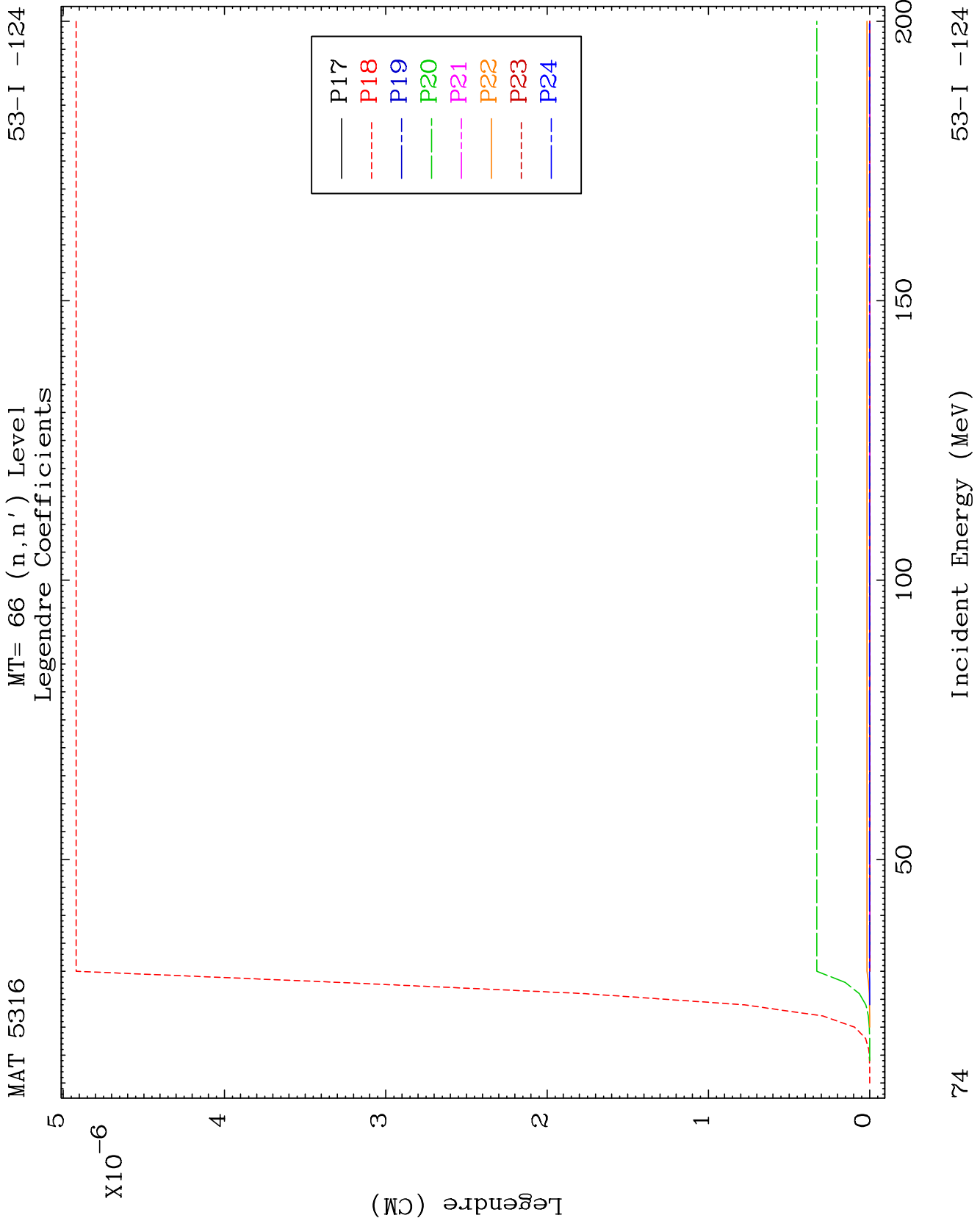
53-I -124



73

Incident Energy (MeV)

53-I -124

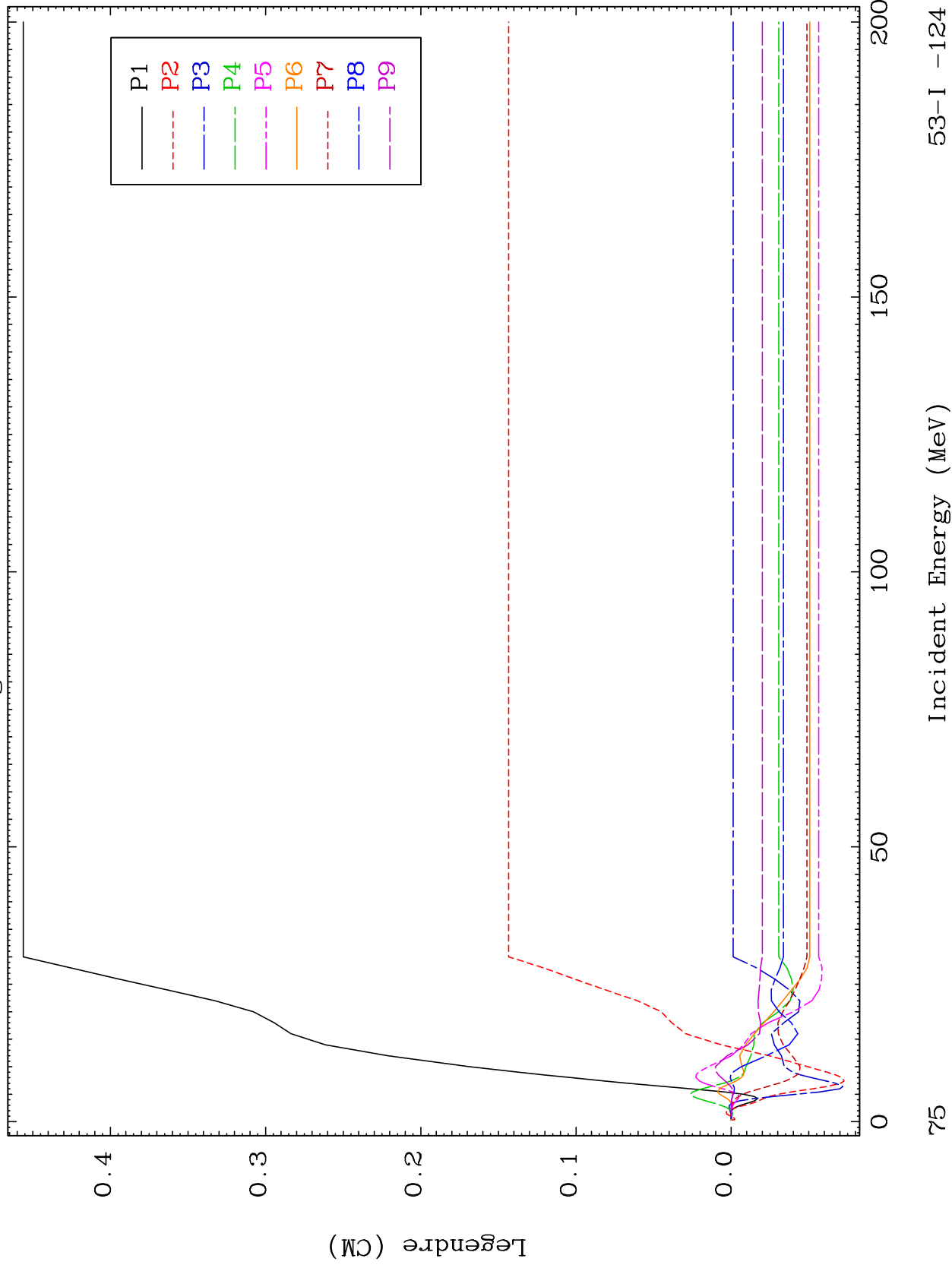


MAT 5316

MT= 67 (n,n') Level

53-I -124

Legendre Coefficients



53-I -124

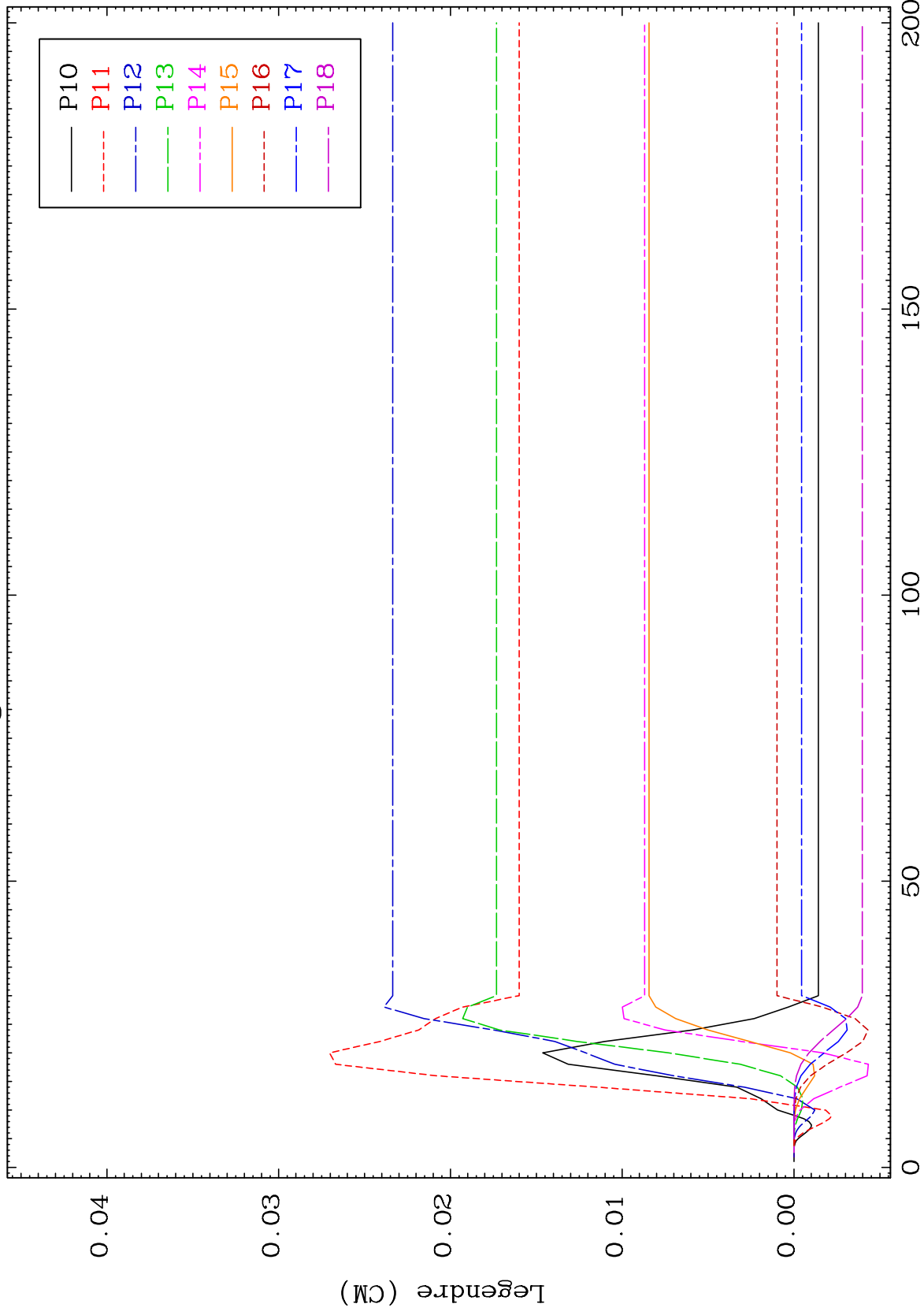
Incident Energy (MeV)

75

MAT 5316

MT= 67 (n,n') Level  
Legendre Coefficients

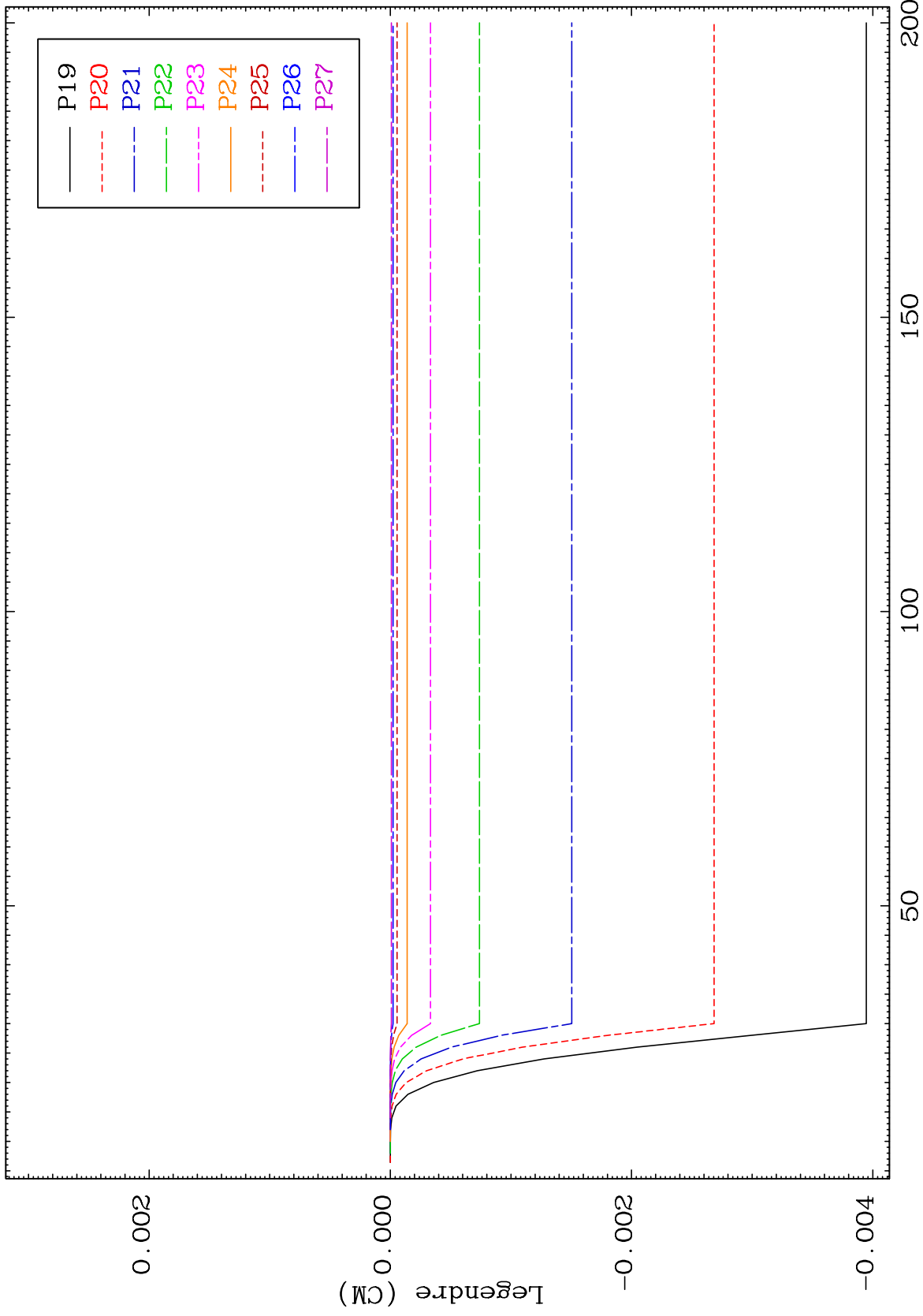
53-I -124

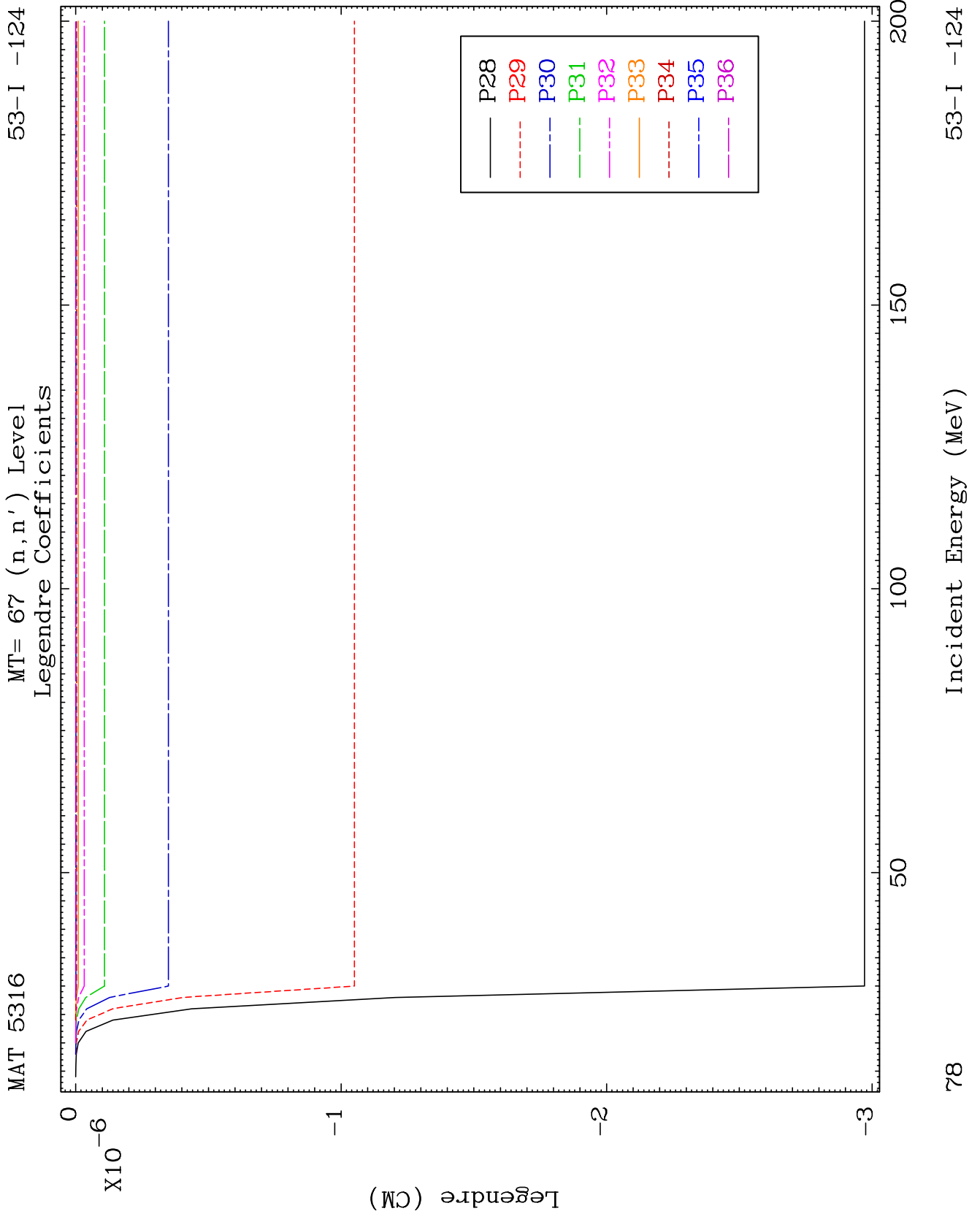


76

Incident Energy (MeV)

53-I -124

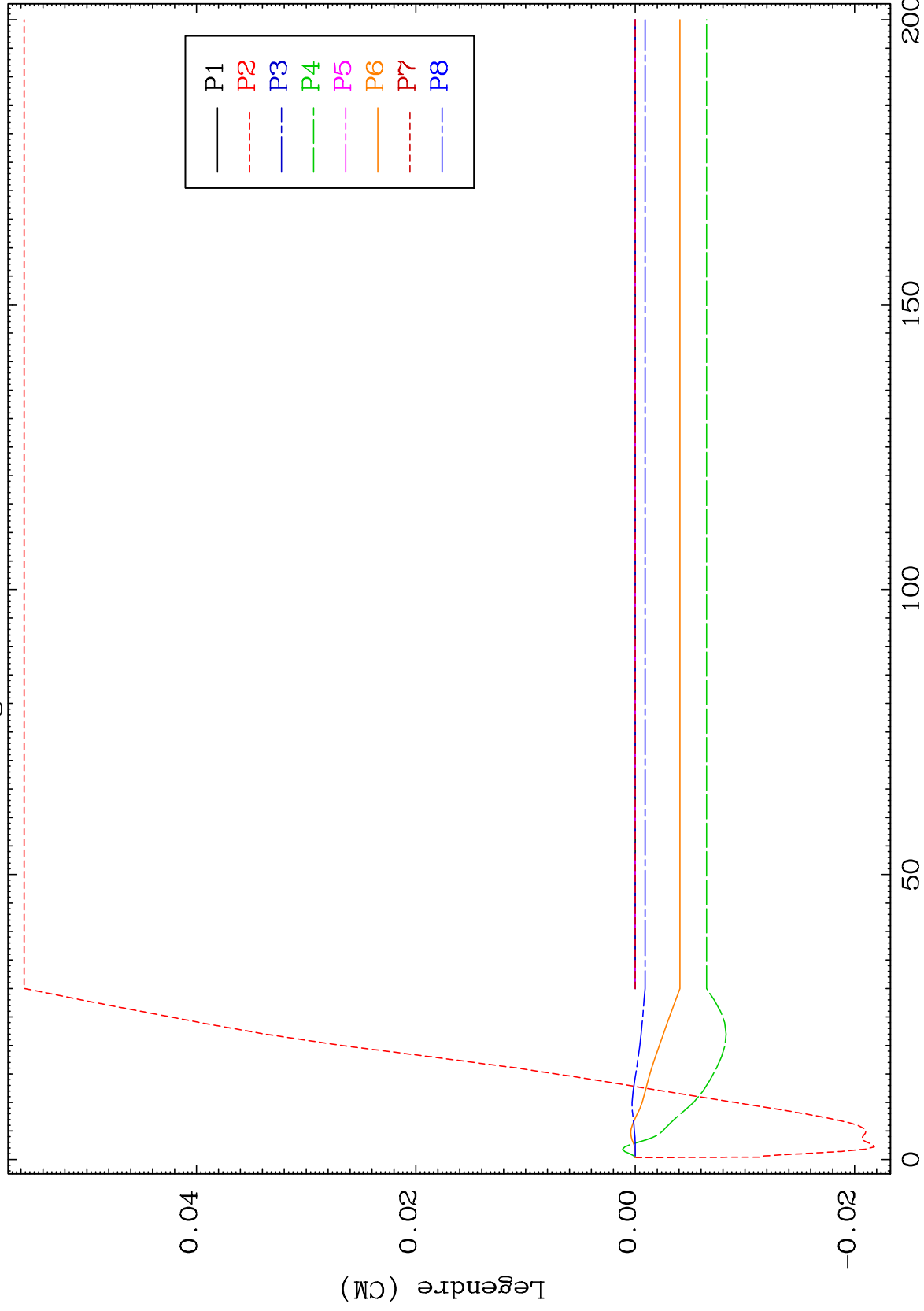




MAT 5316

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

53-I -124



79

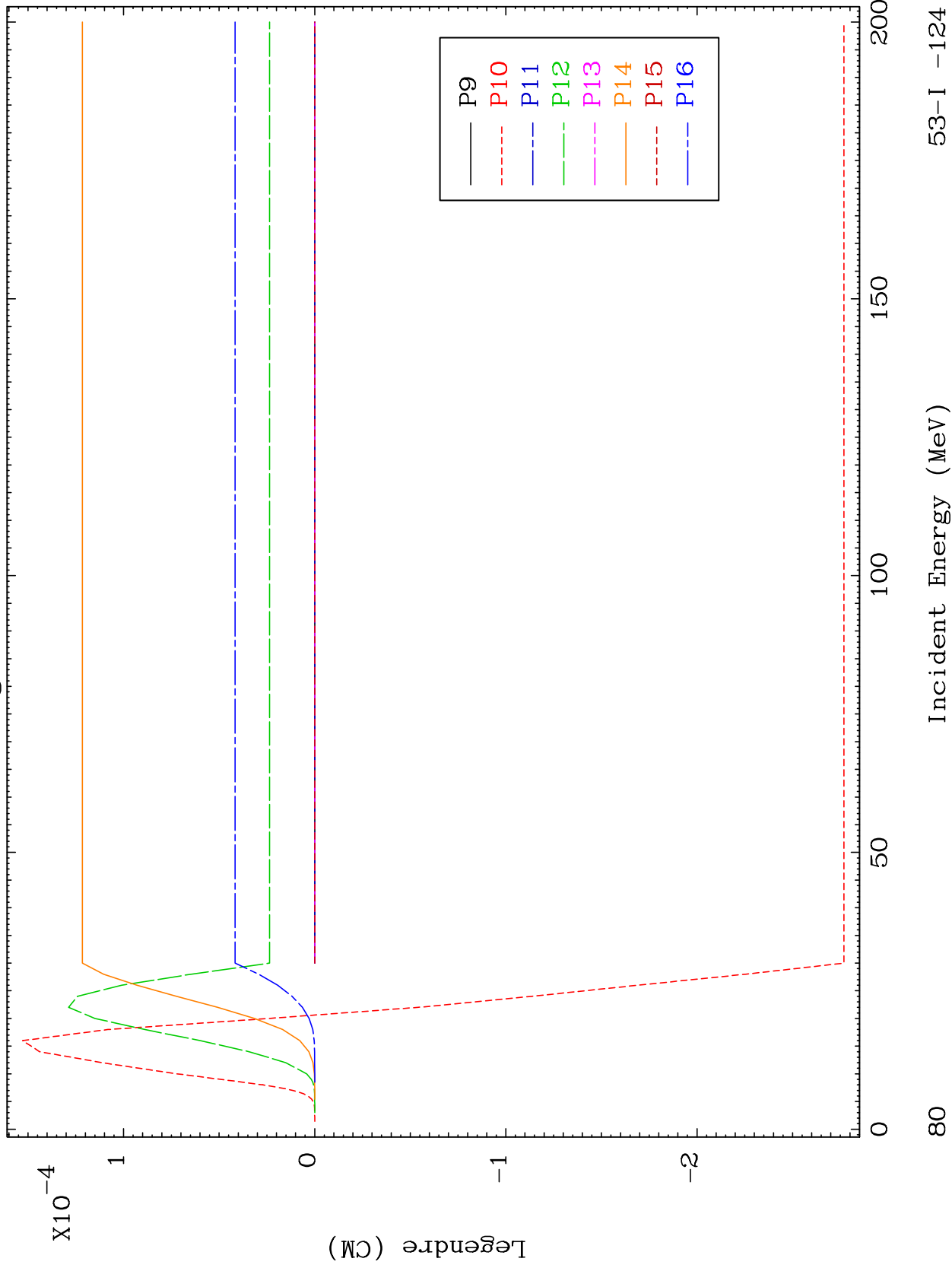
Incident Energy (MeV)

53-I -124

MAT 5316

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

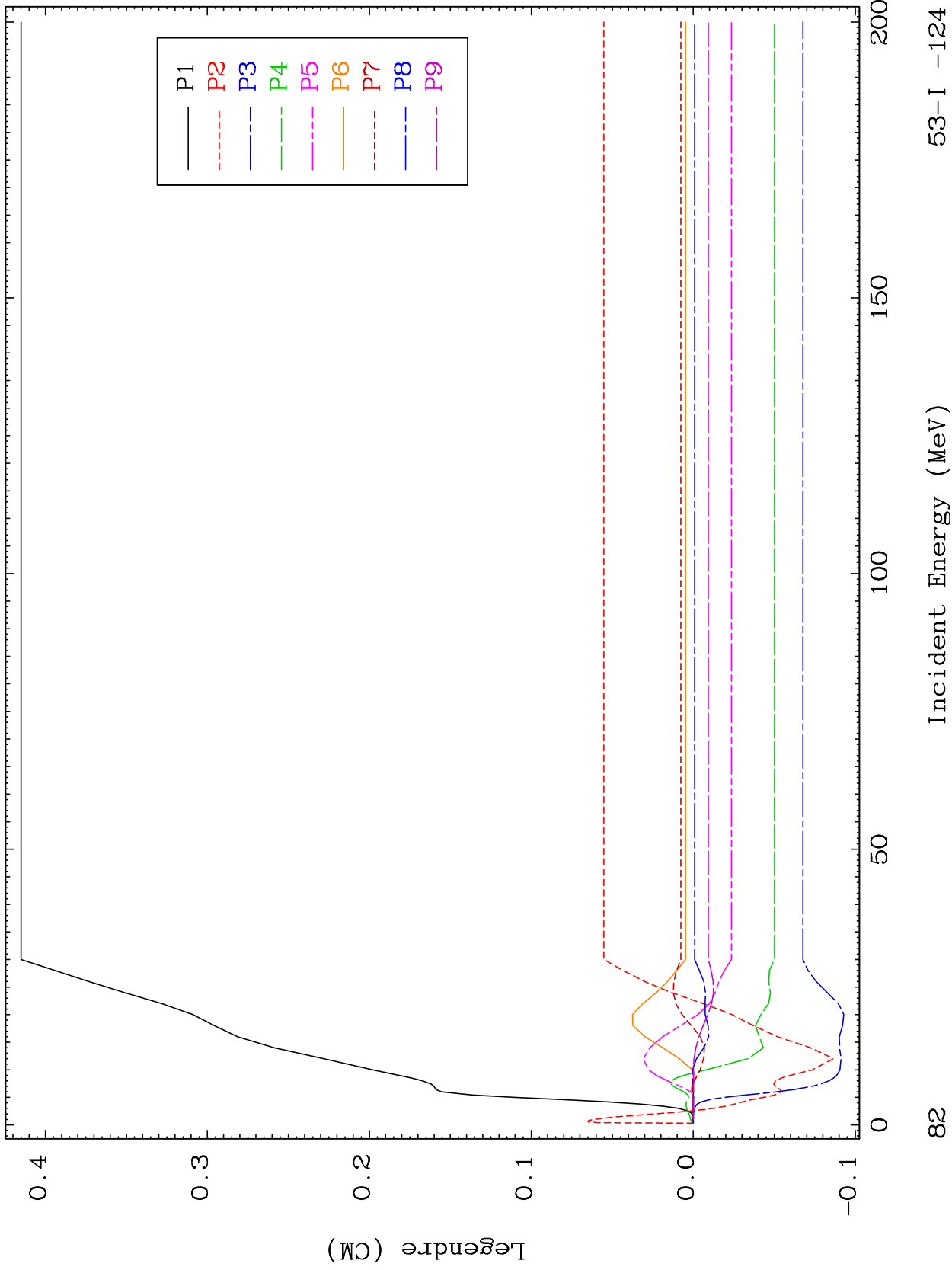
53-I -124



53-I -124

Incident Energy (MeV)

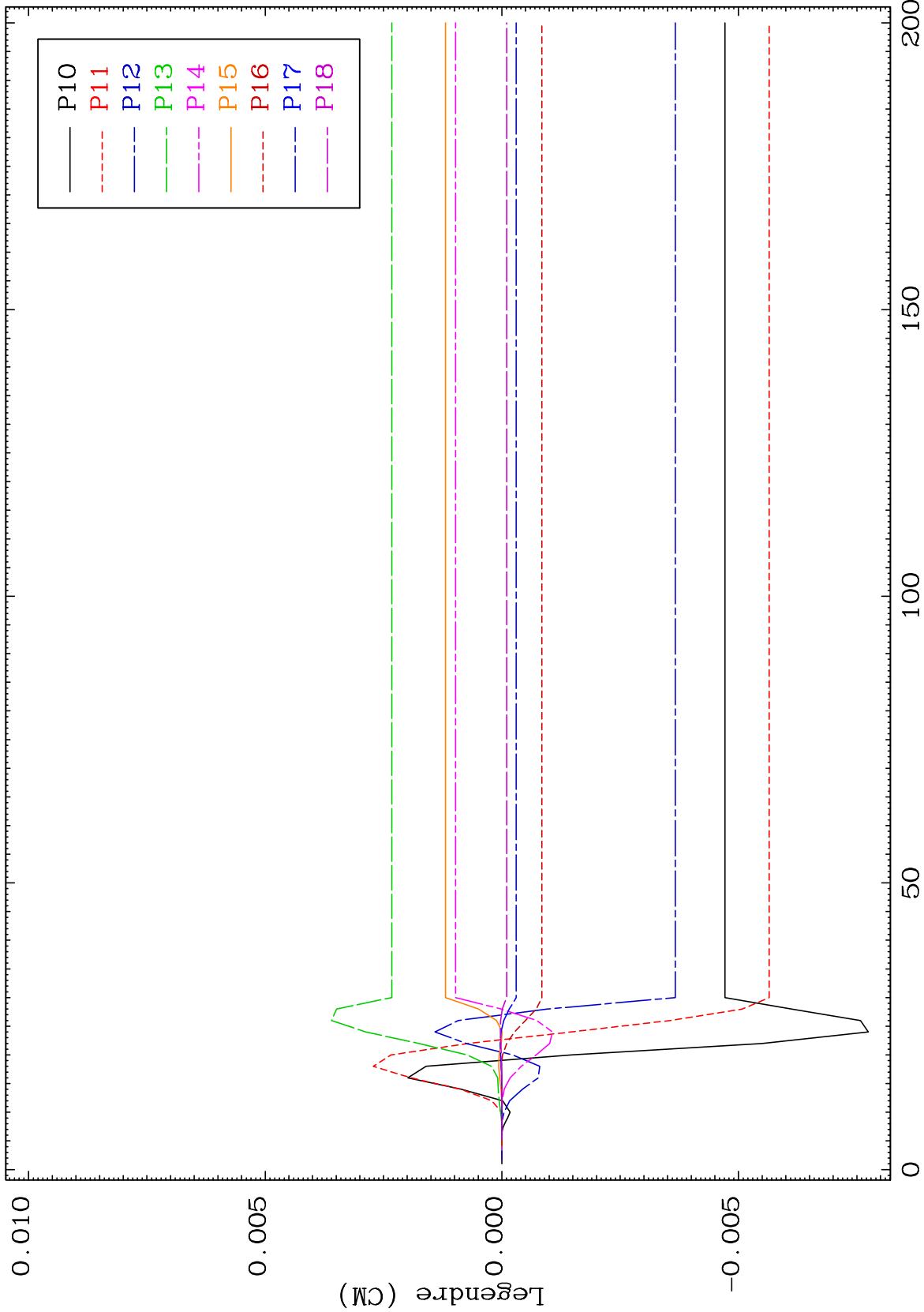




MAT 5316

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

53-I -124



83

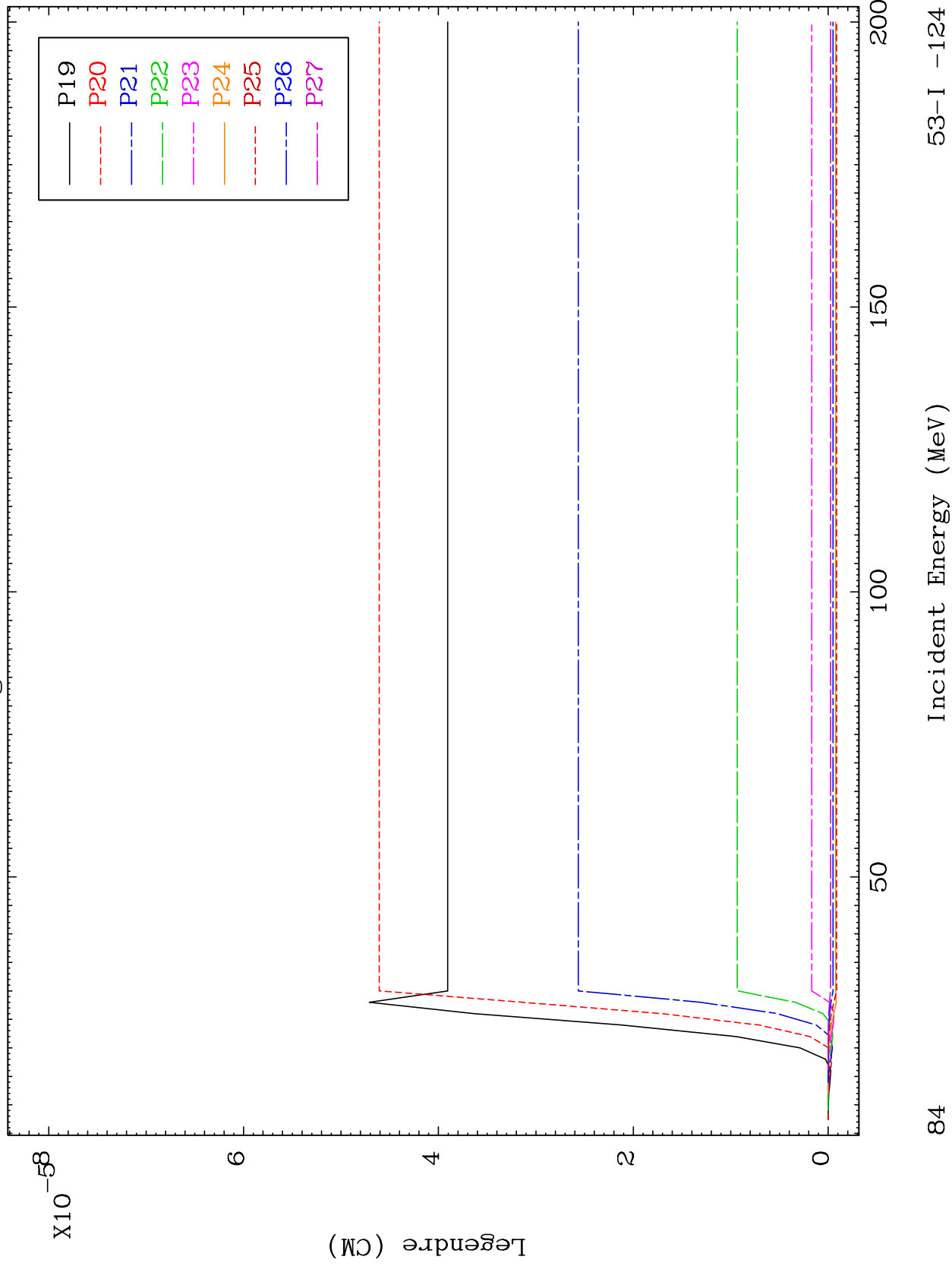
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



84

Incident Energy (MeV)

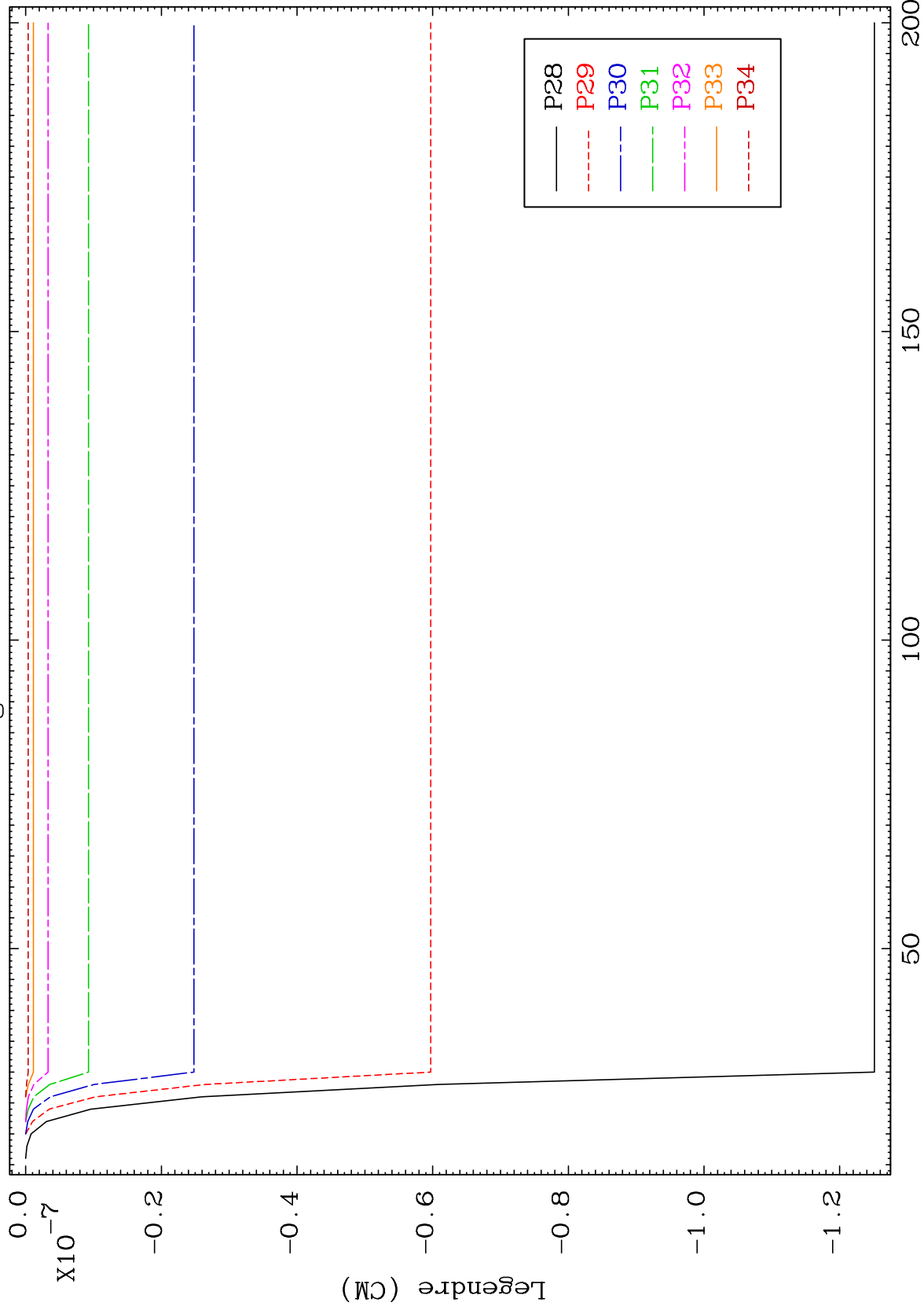
53-I -124

MAT 5316

MT= 69 (n,n') Level

53-I -124

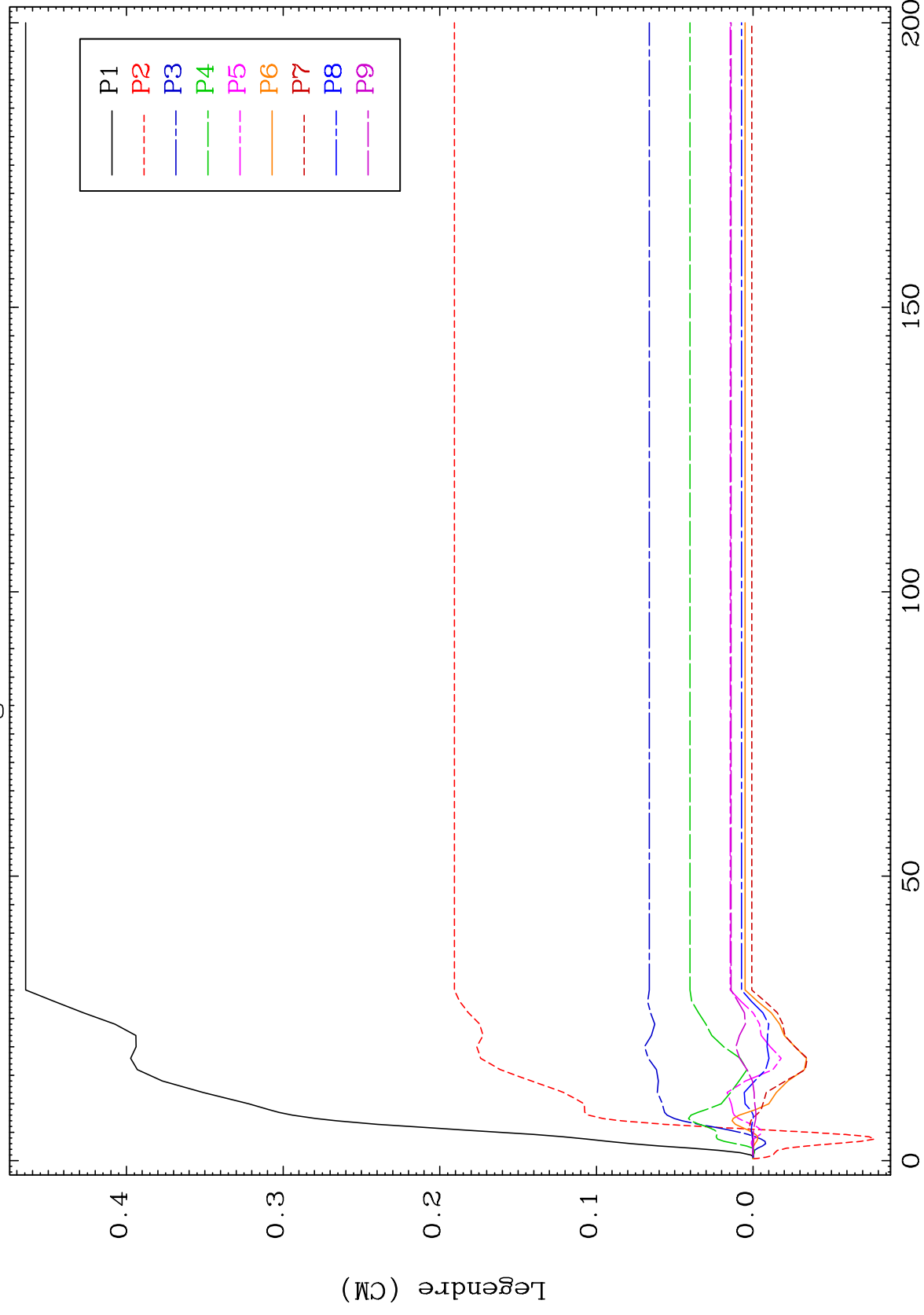
Legendre Coefficients



85

Incident Energy (MeV)

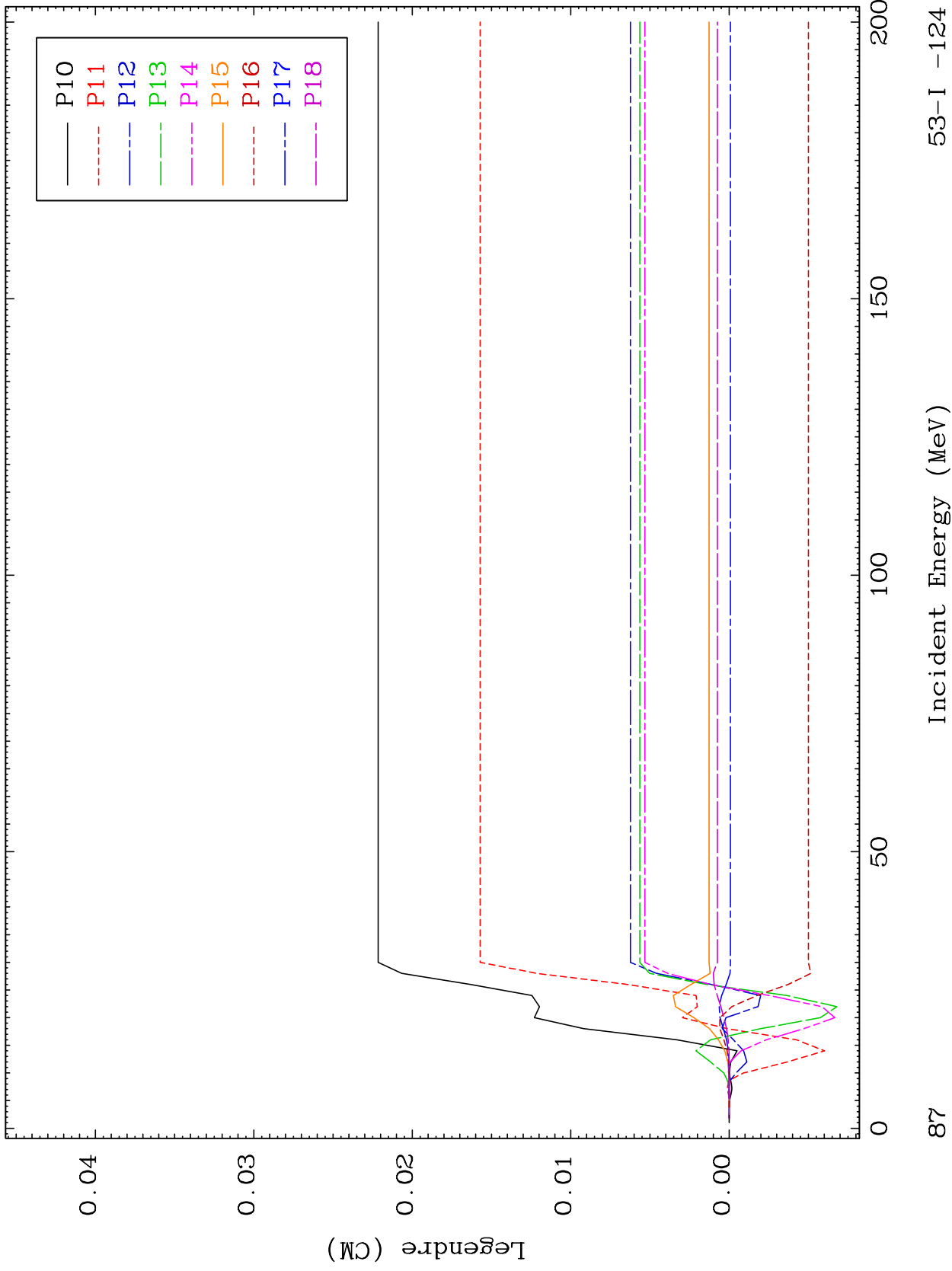
53-I -124



MAT 5316

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

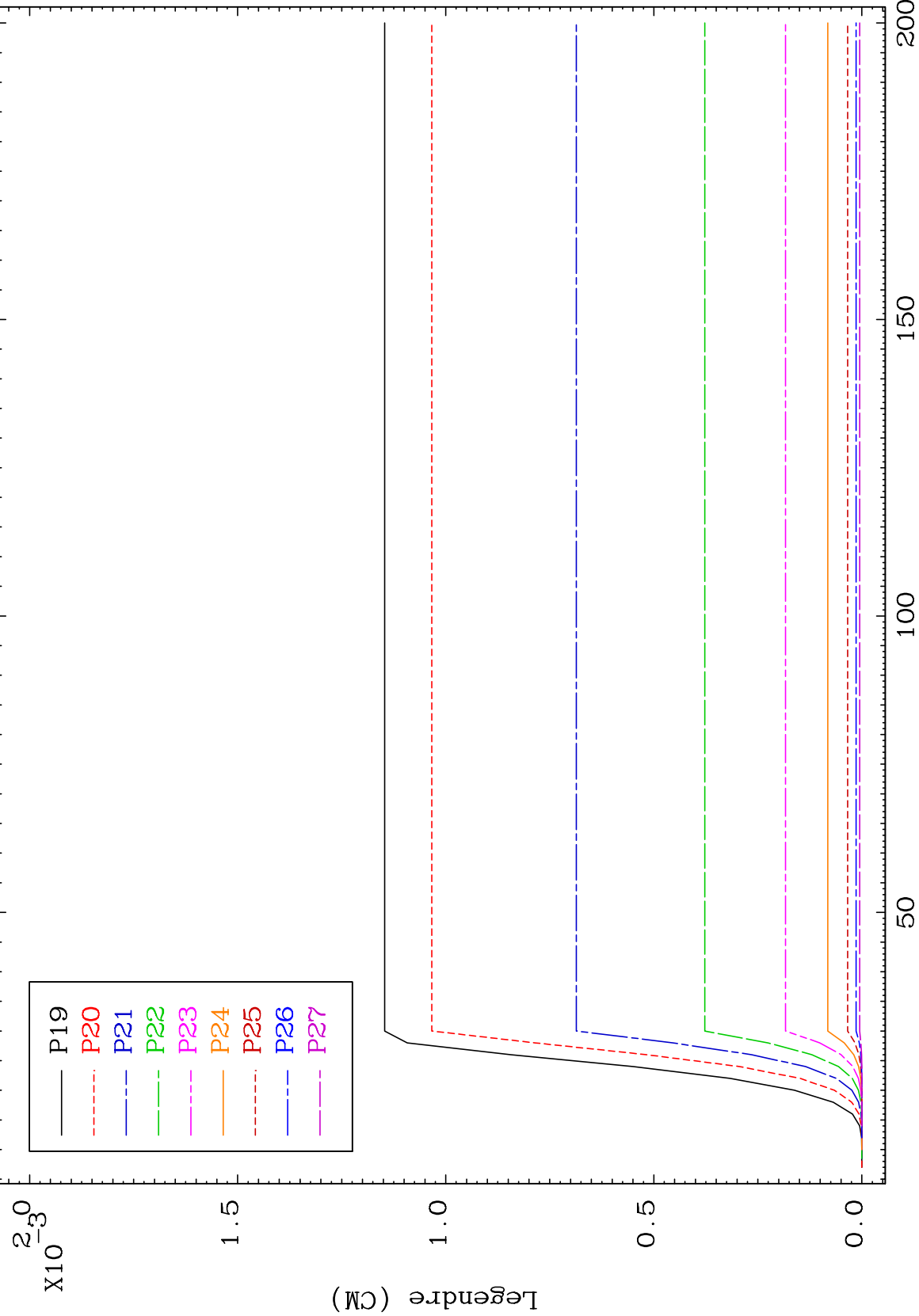
53-I -124

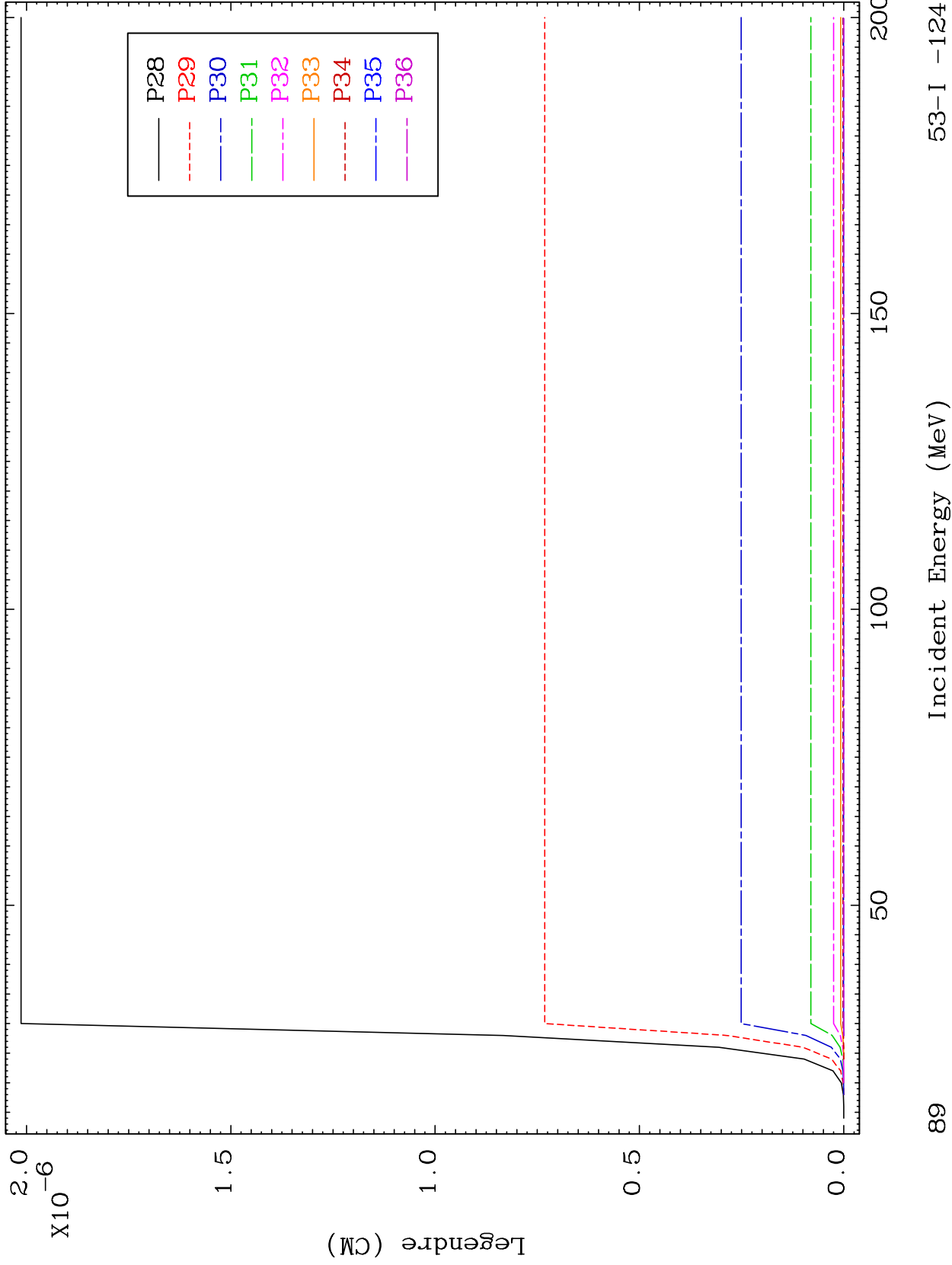


87

Incident Energy (MeV)

53-I -124

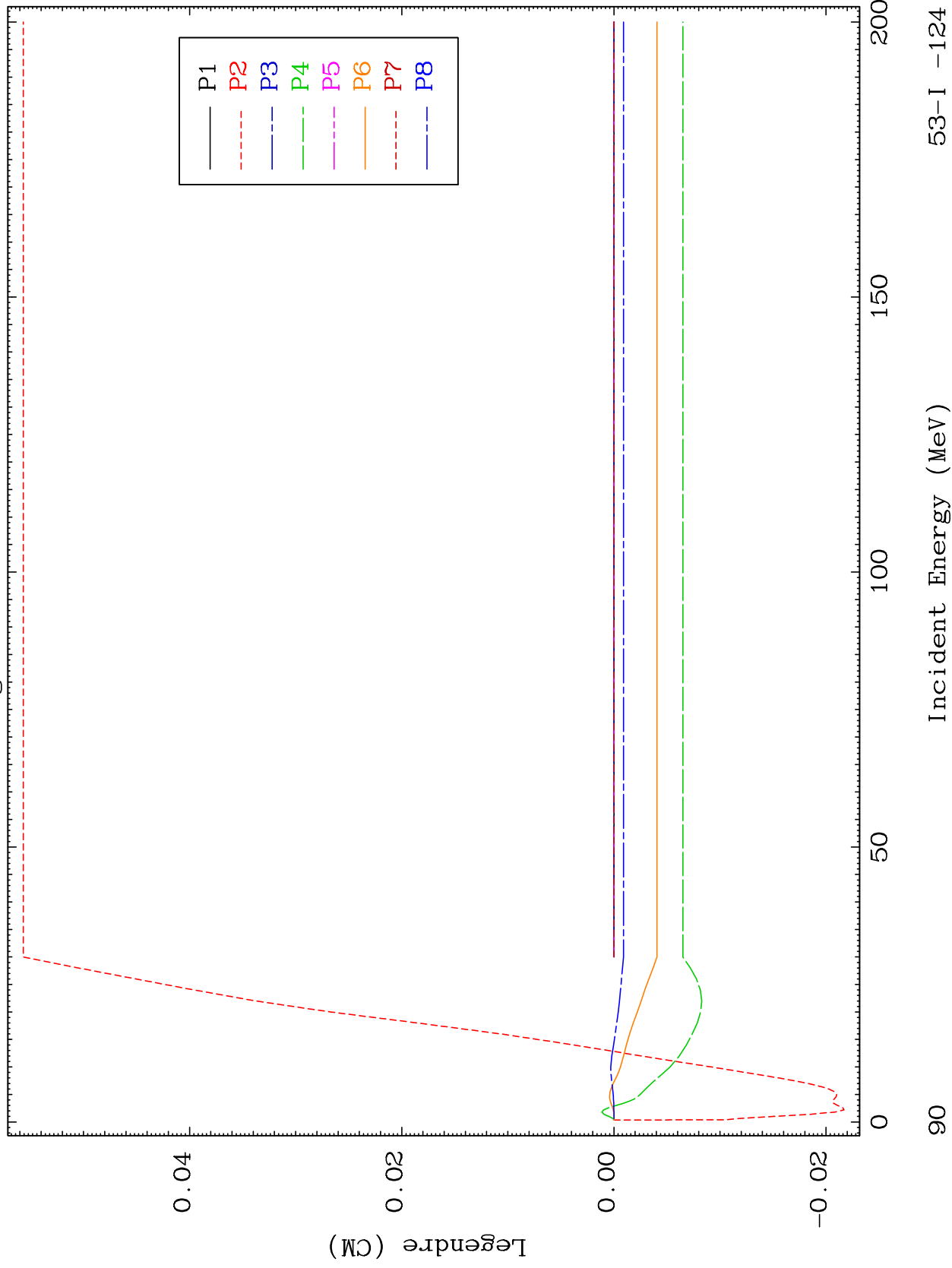




MAT 5316

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

53-I -124

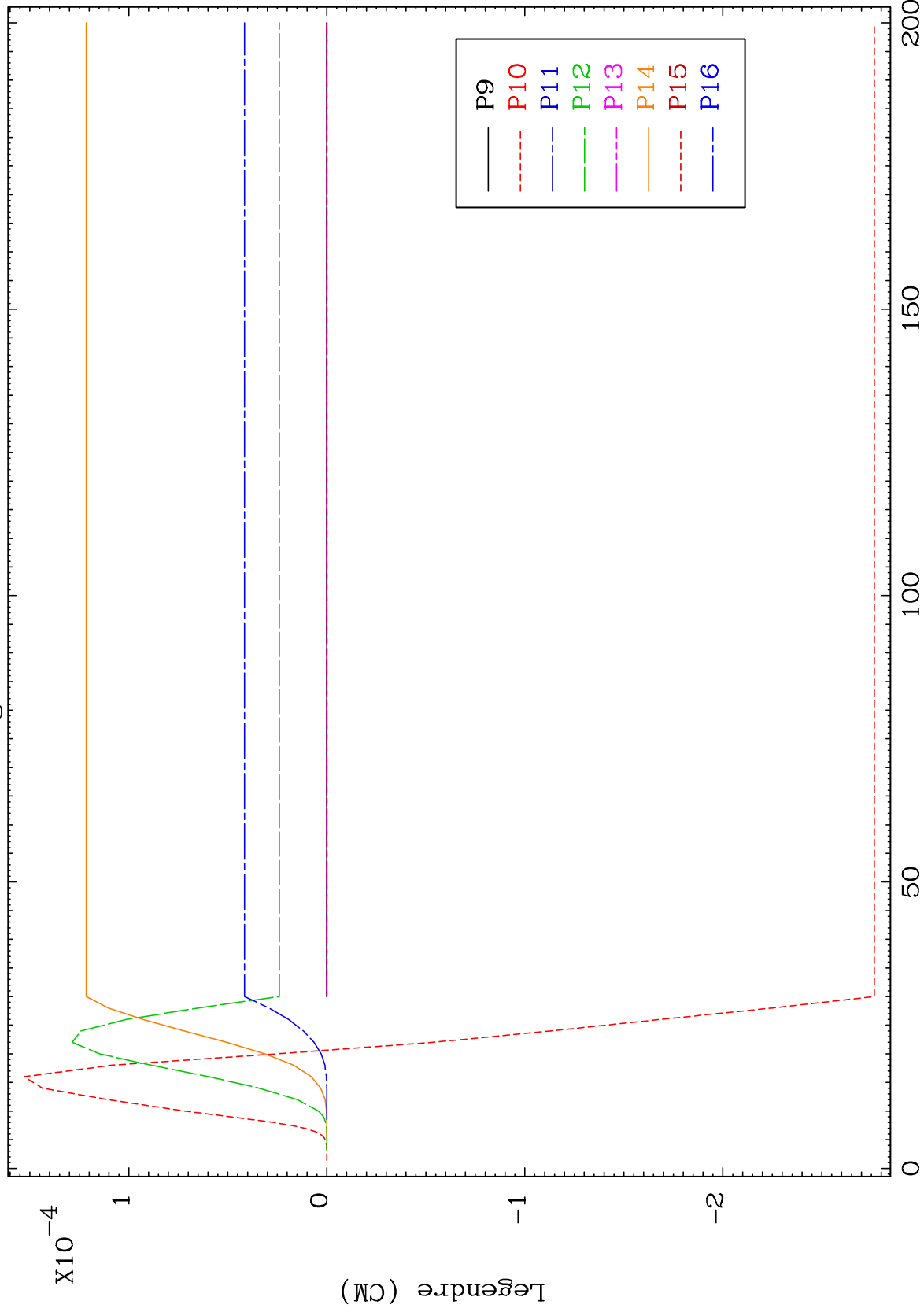


53-I -124

MAT 5316

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

53-I -124



91

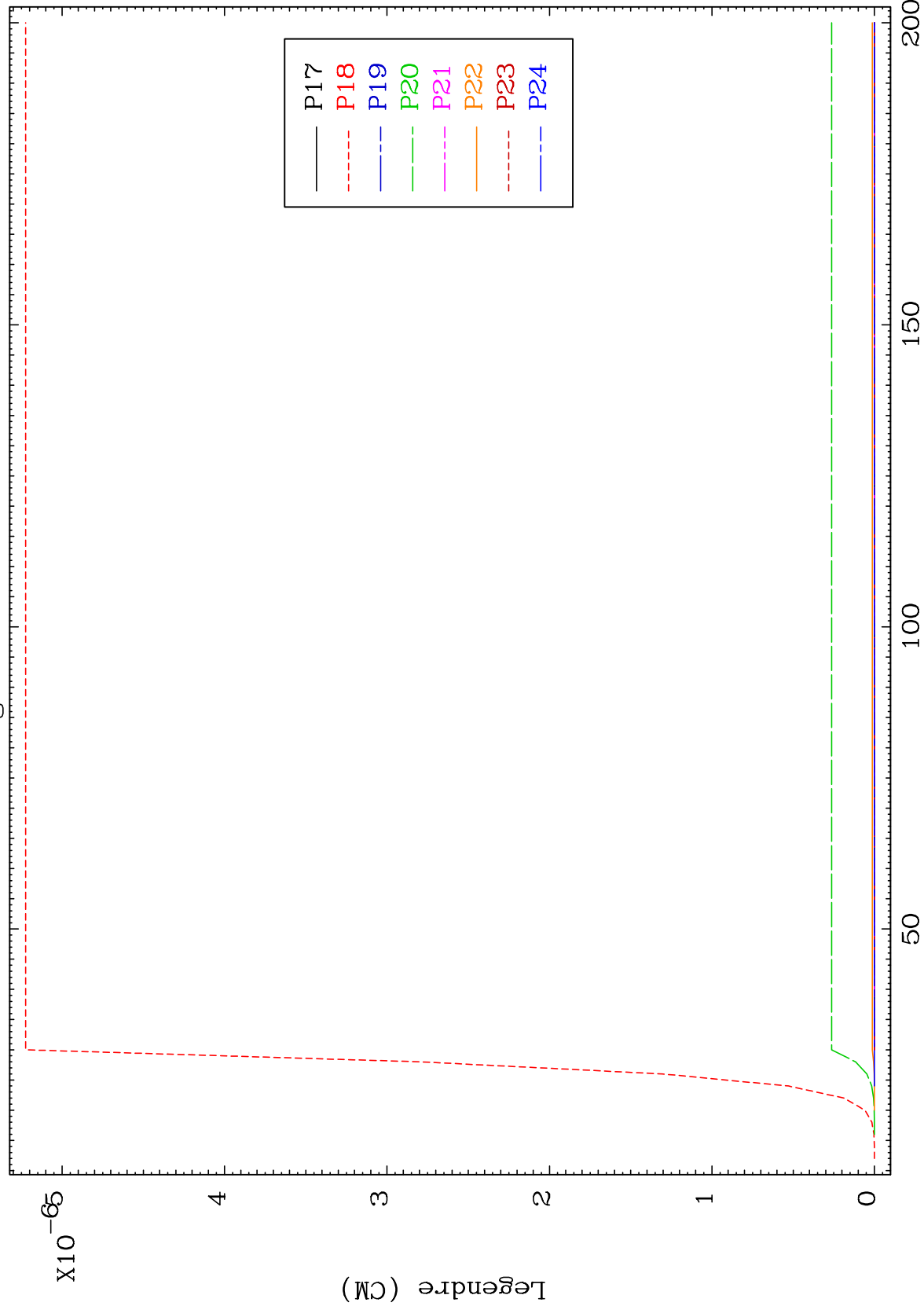
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



92

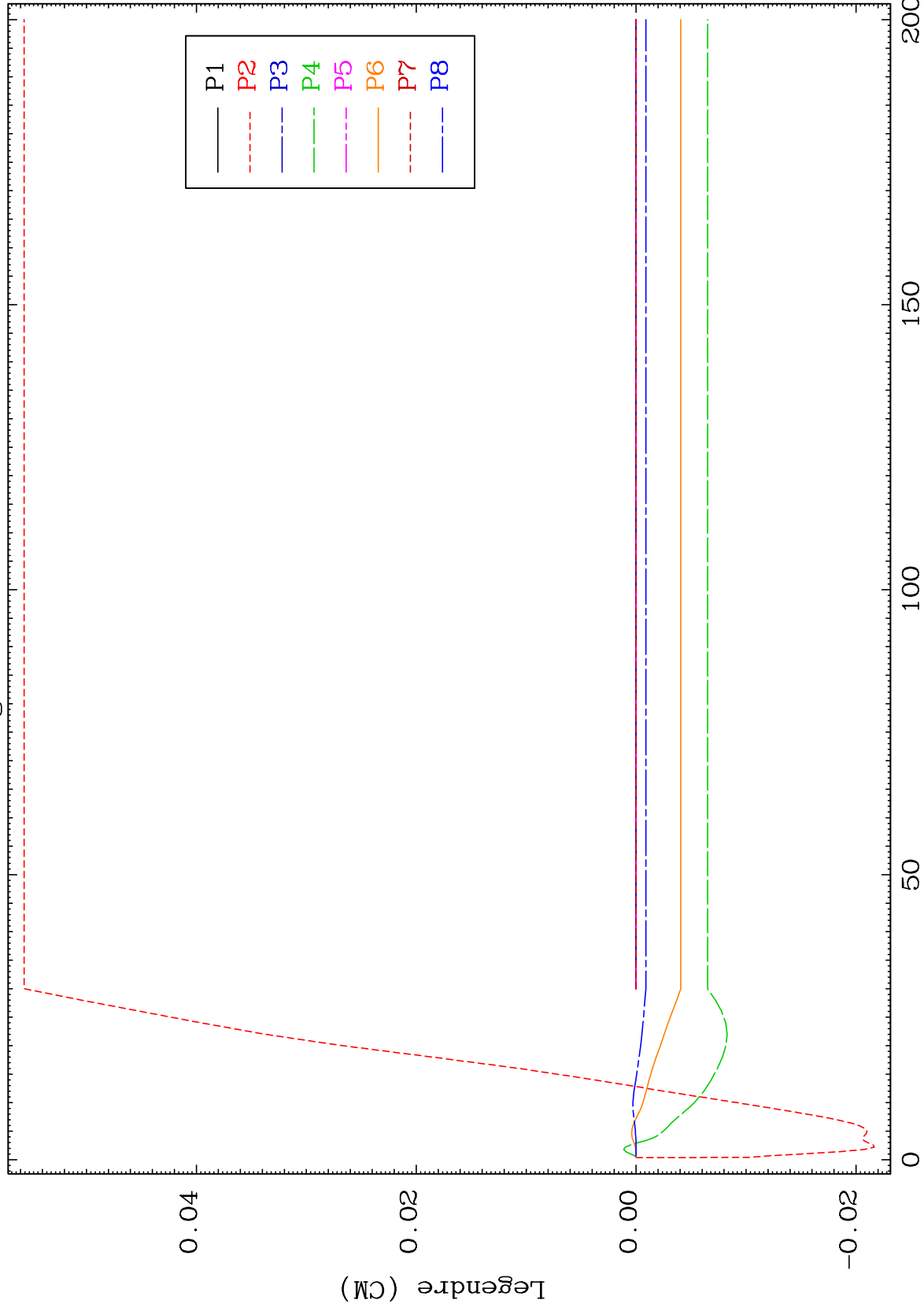
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



93

Incident Energy (MeV)

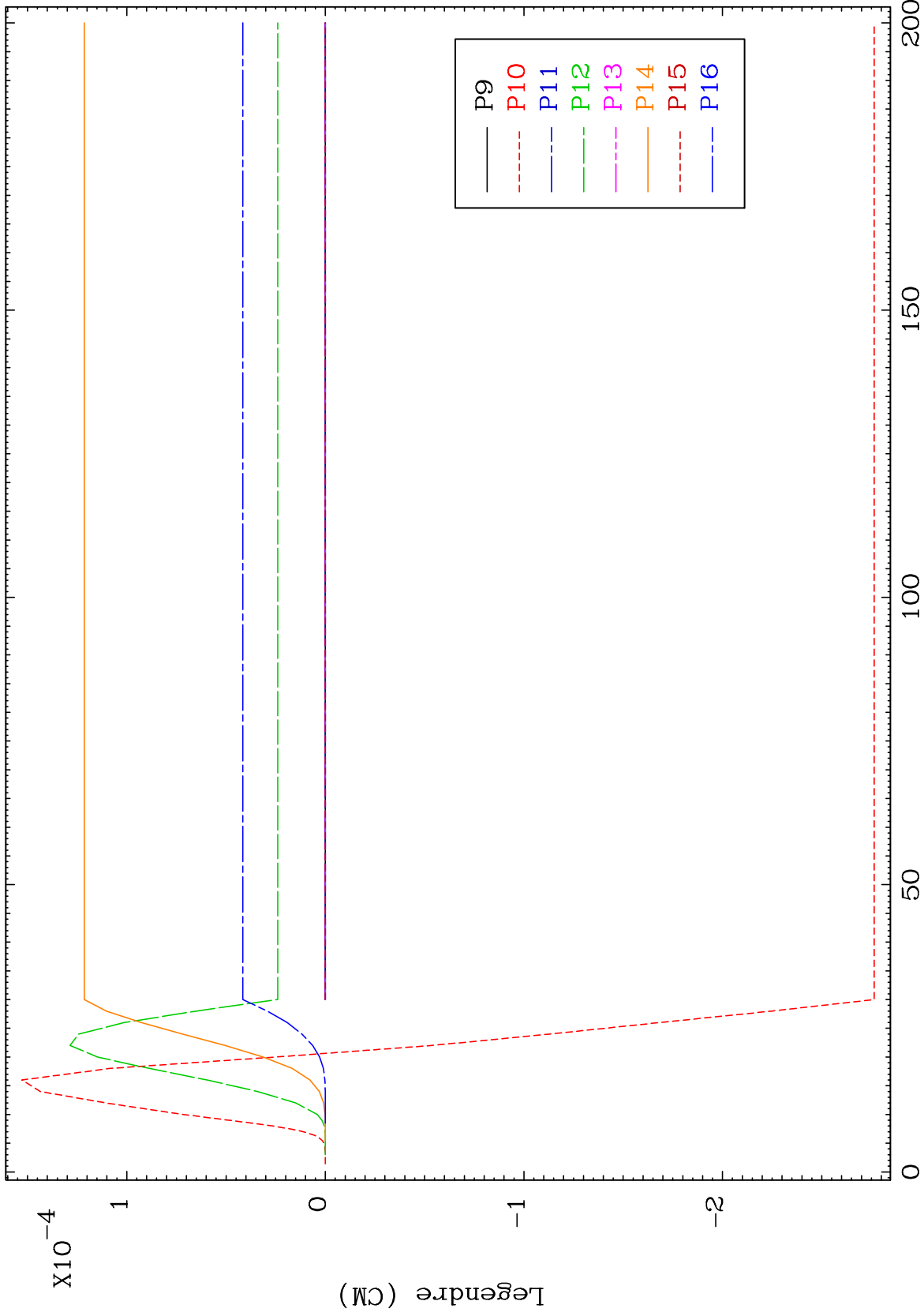
53-I -124

MAT 5316

MT= 72 (n,n') Level

53-I -124

Legendre Coefficients



94

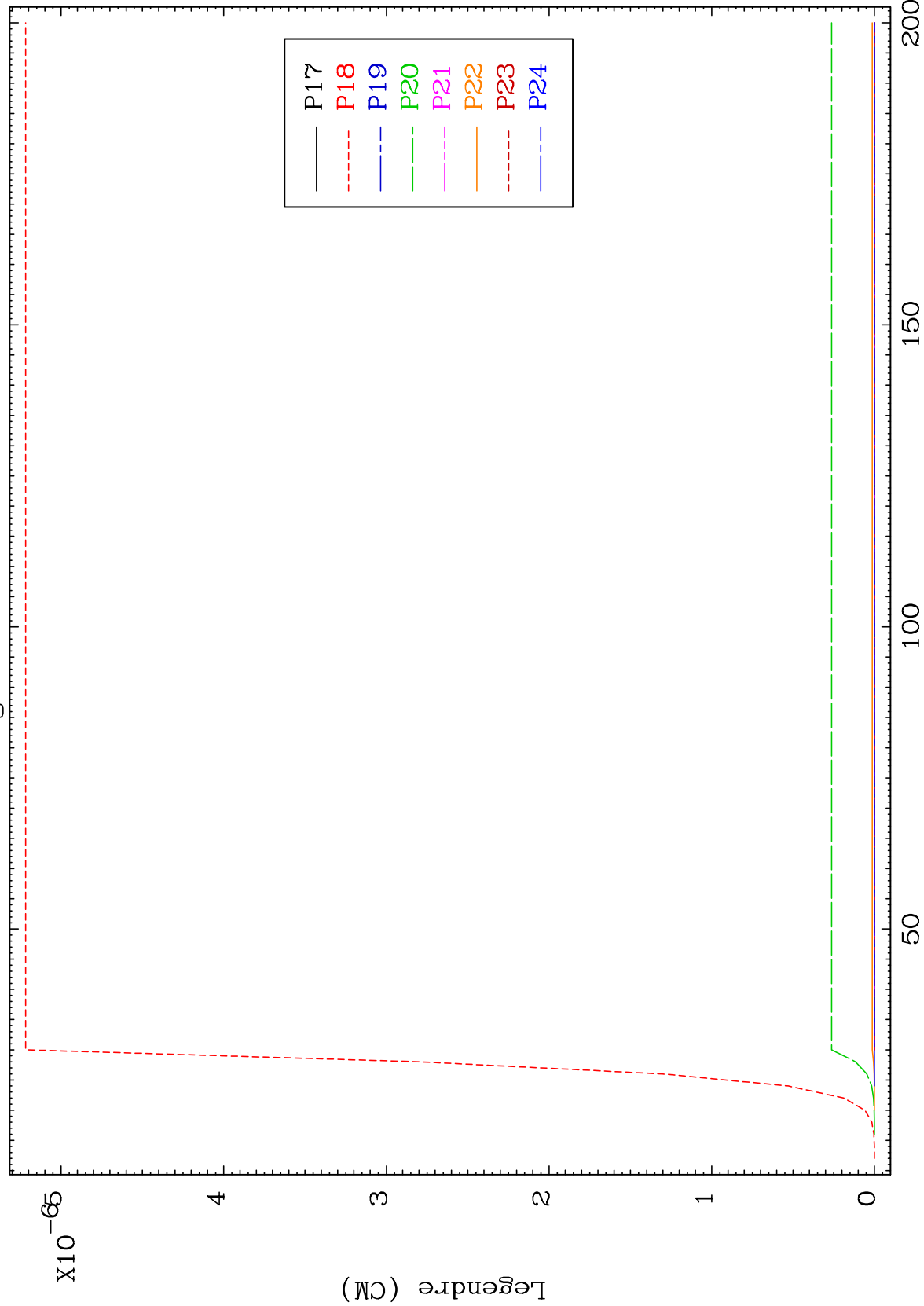
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



53-I -124

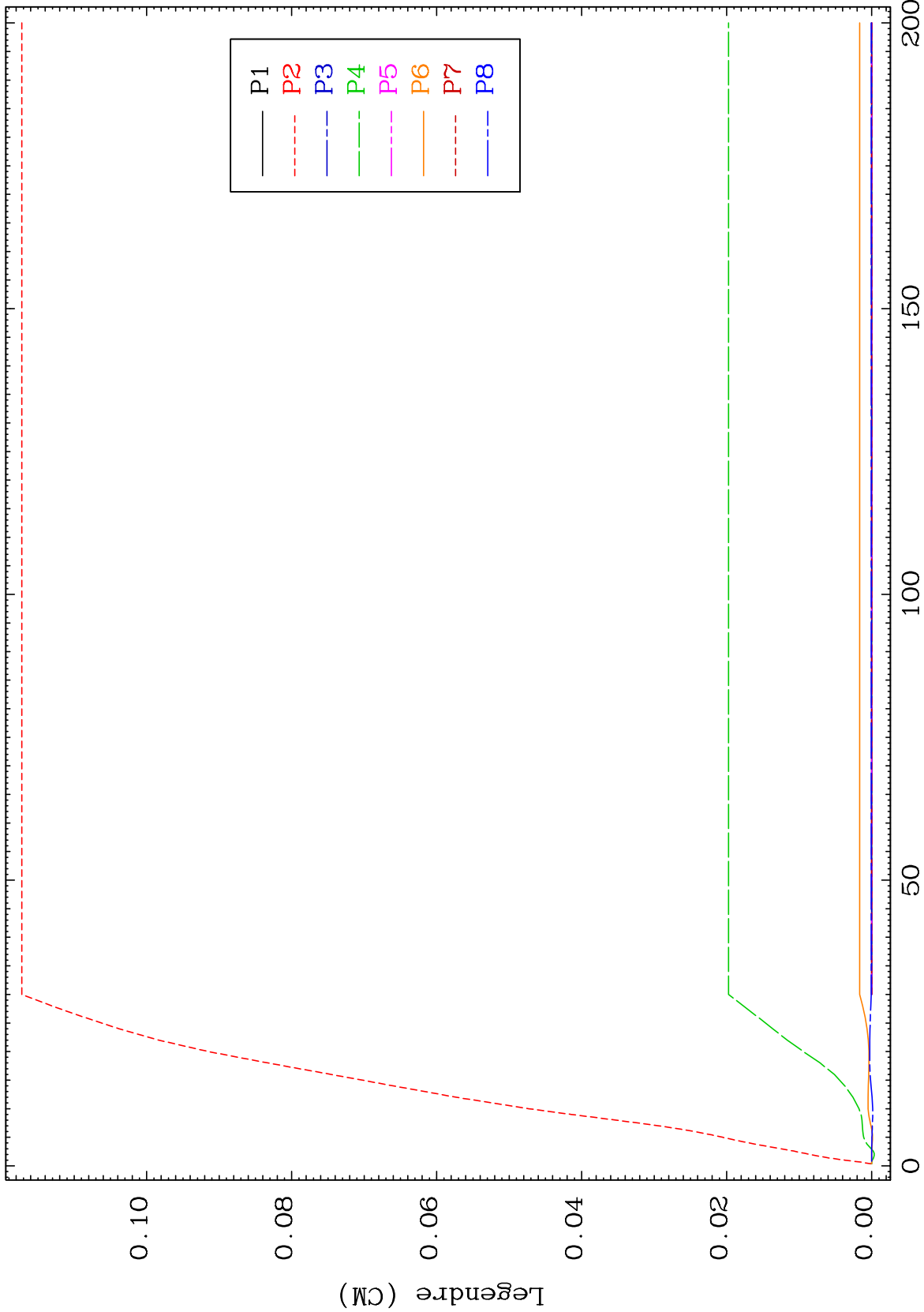
Incident Energy (MeV)

95

MAT 5316

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

53-I -124



96

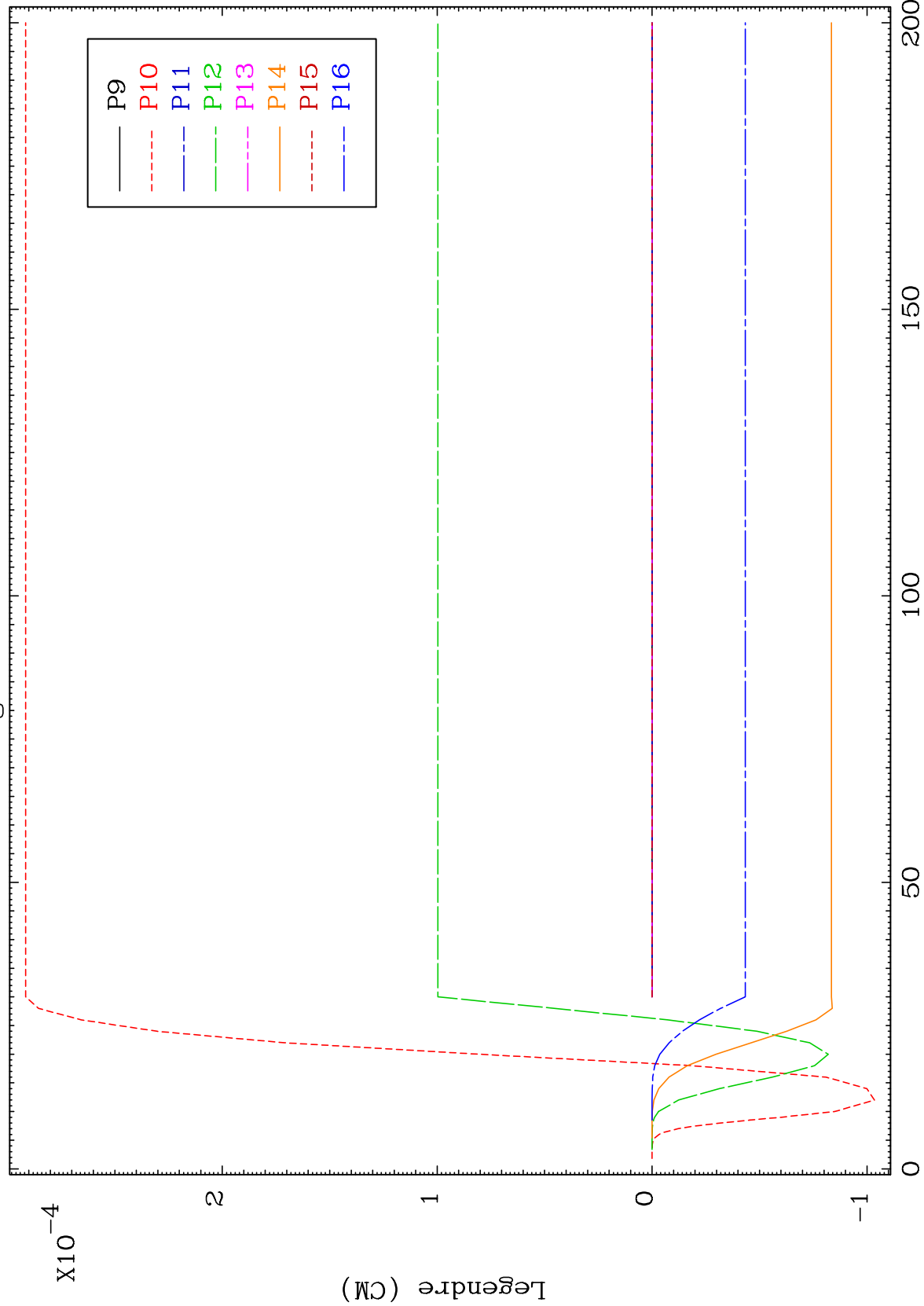
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



97

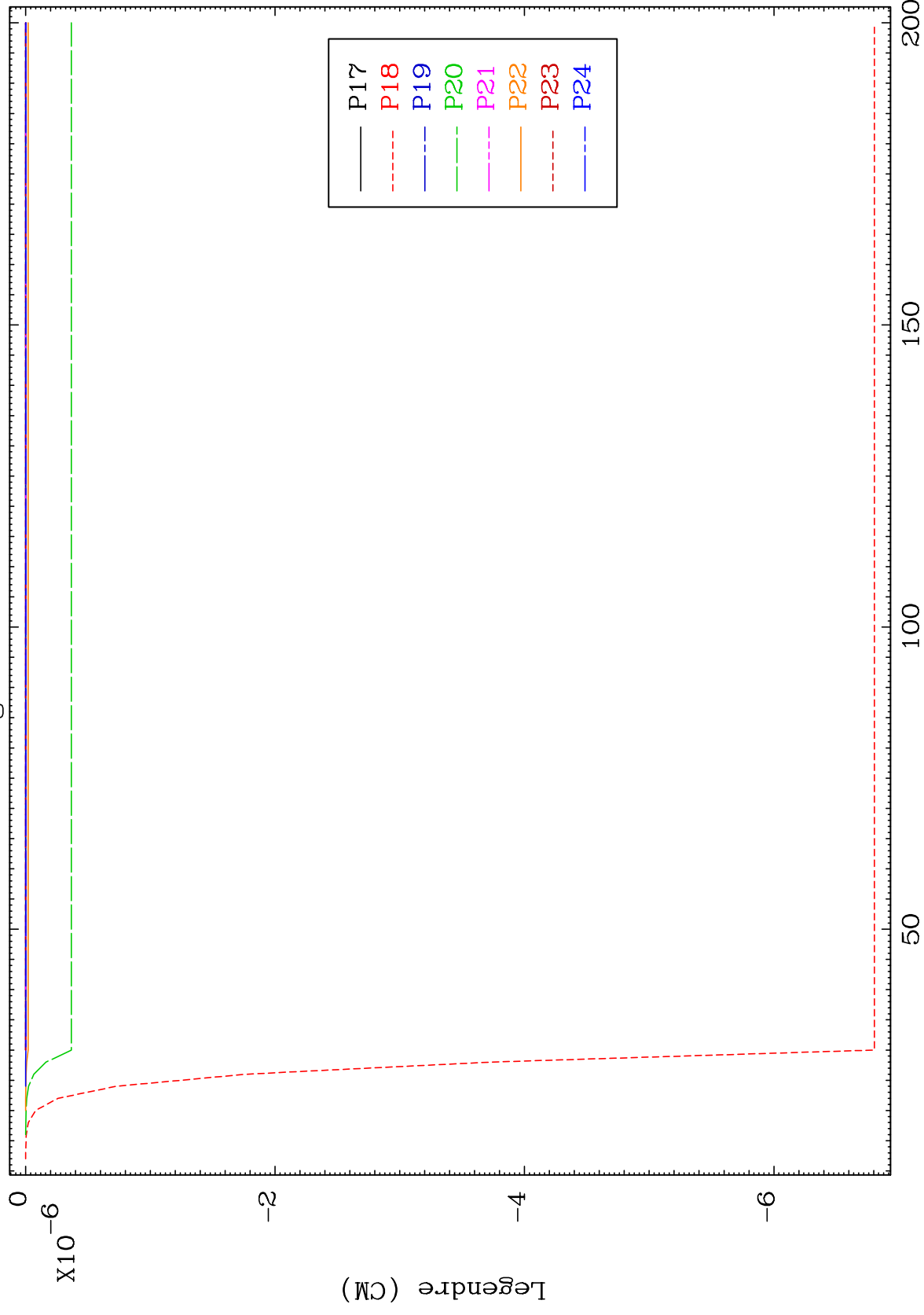
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



98

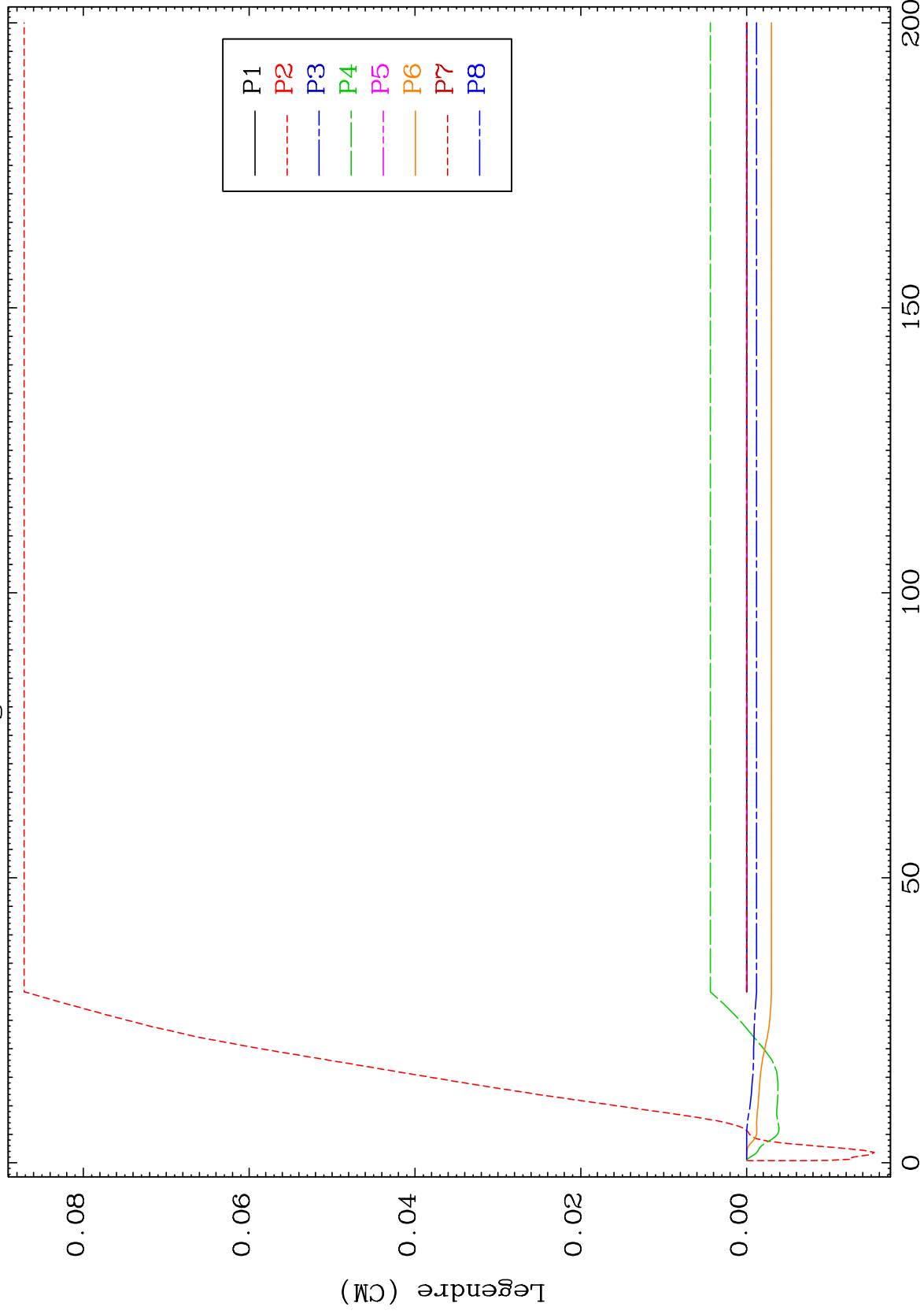
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



99

Incident Energy (MeV)

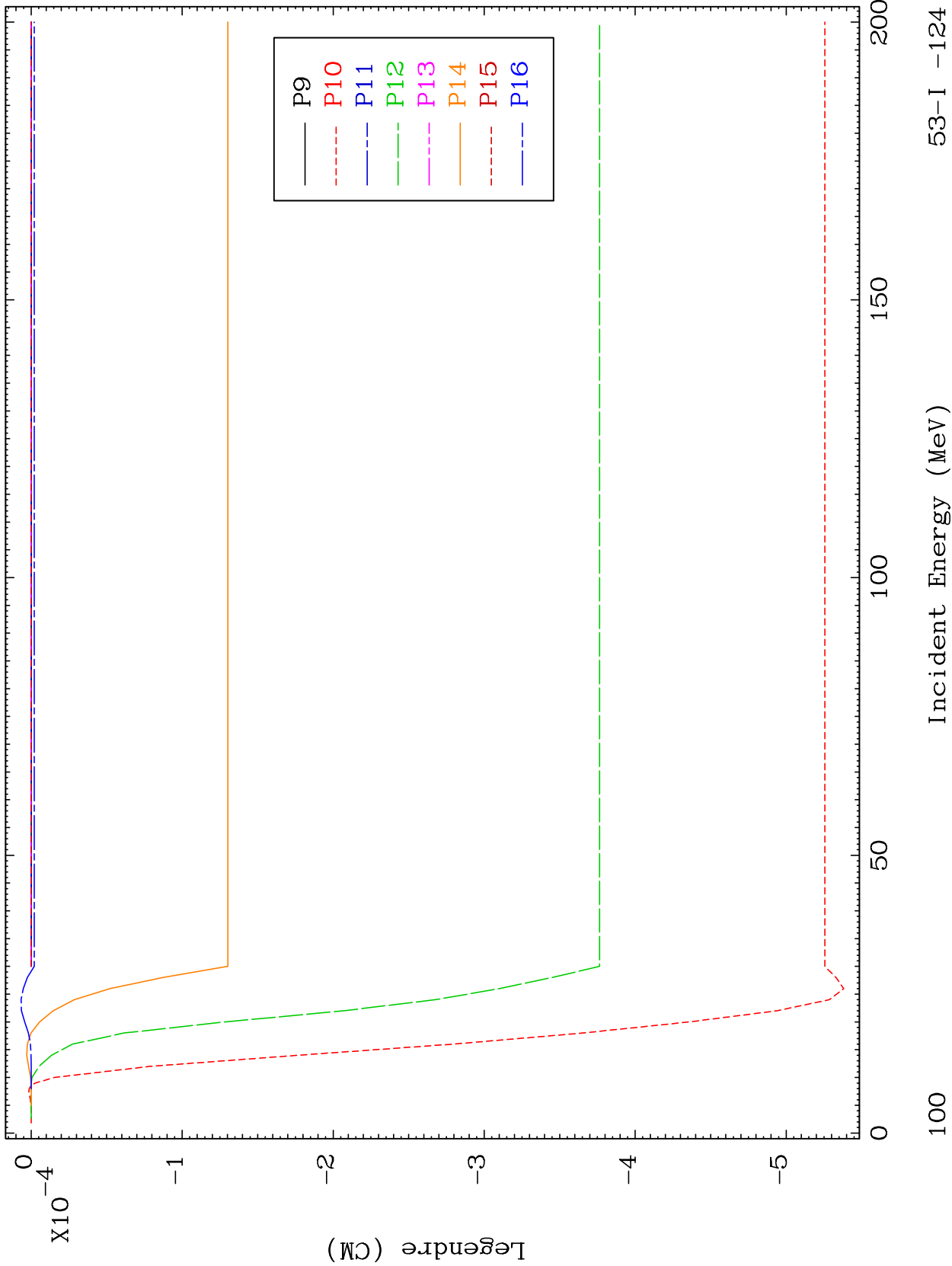
53-I -124

MAT 5316

MT= 74 (n,n') Level

53-I -124

Legendre Coefficients



53-I -124

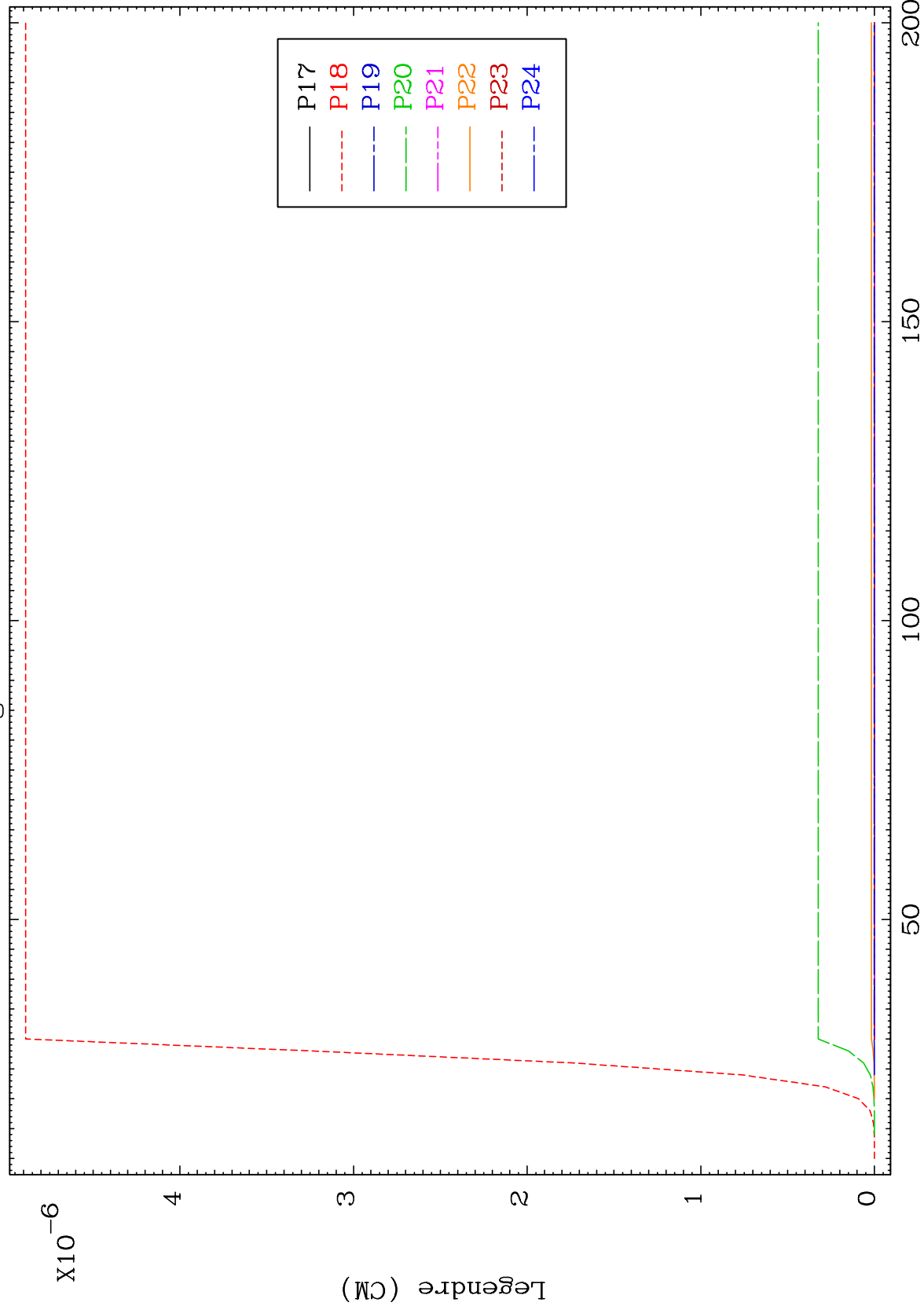
Incident Energy (MeV)

100

MAT 5316

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

53-I -124



101

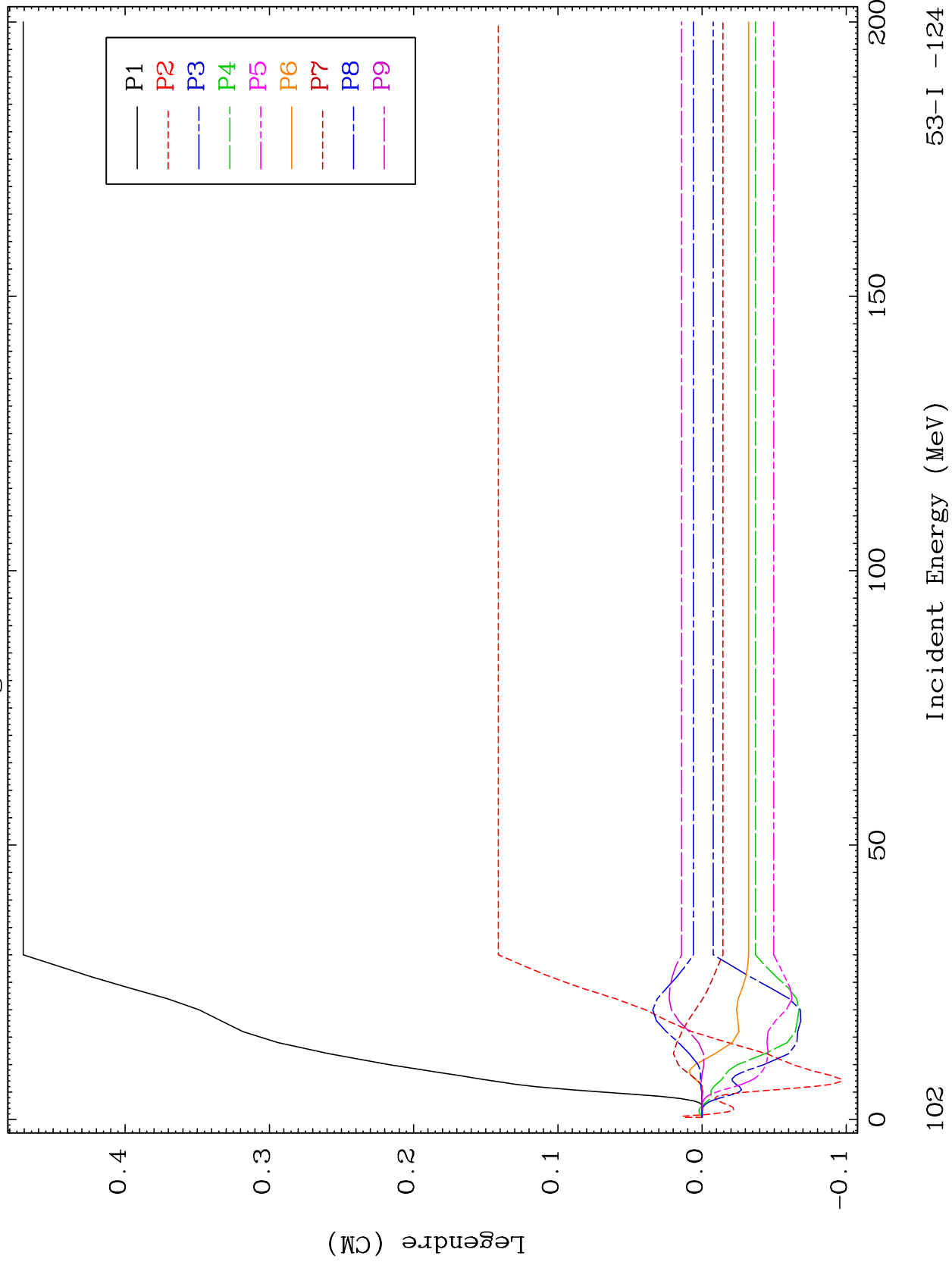
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



53-I -124

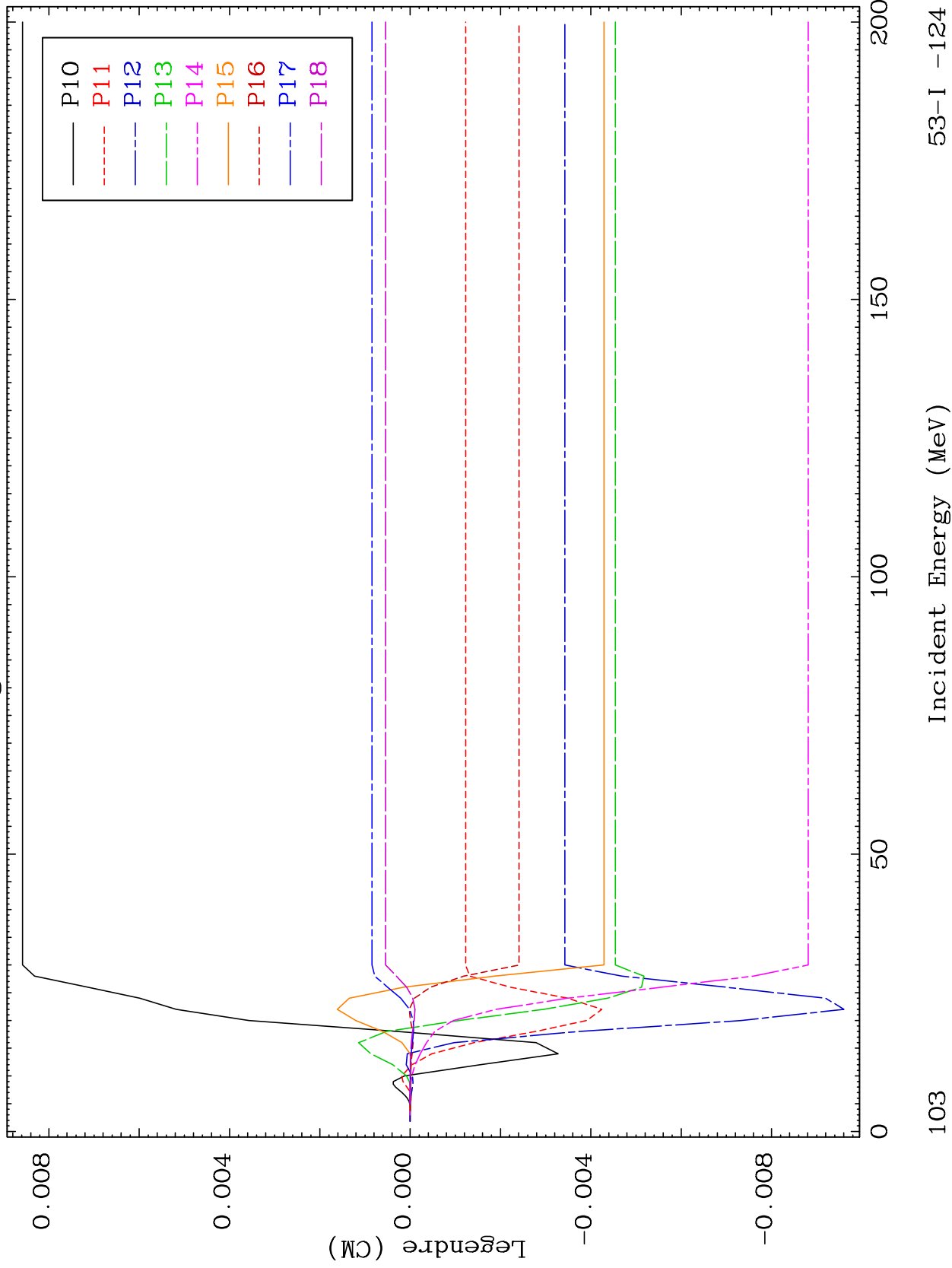
Incident Energy (MeV)

102

MAT 5316

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

53-I -124



53-I -124

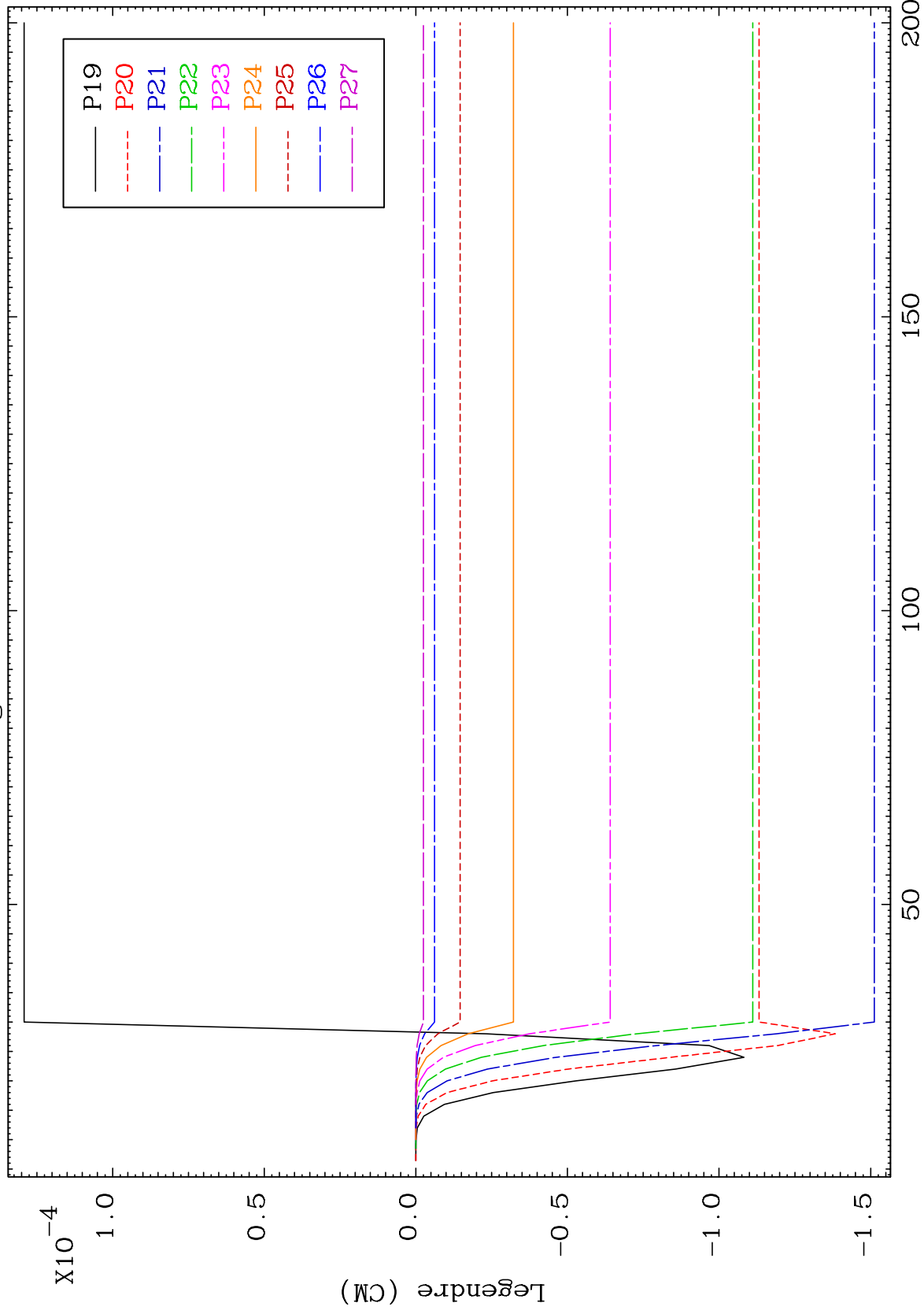
Incident Energy (MeV)

103

MAT 5316

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

53-I -124



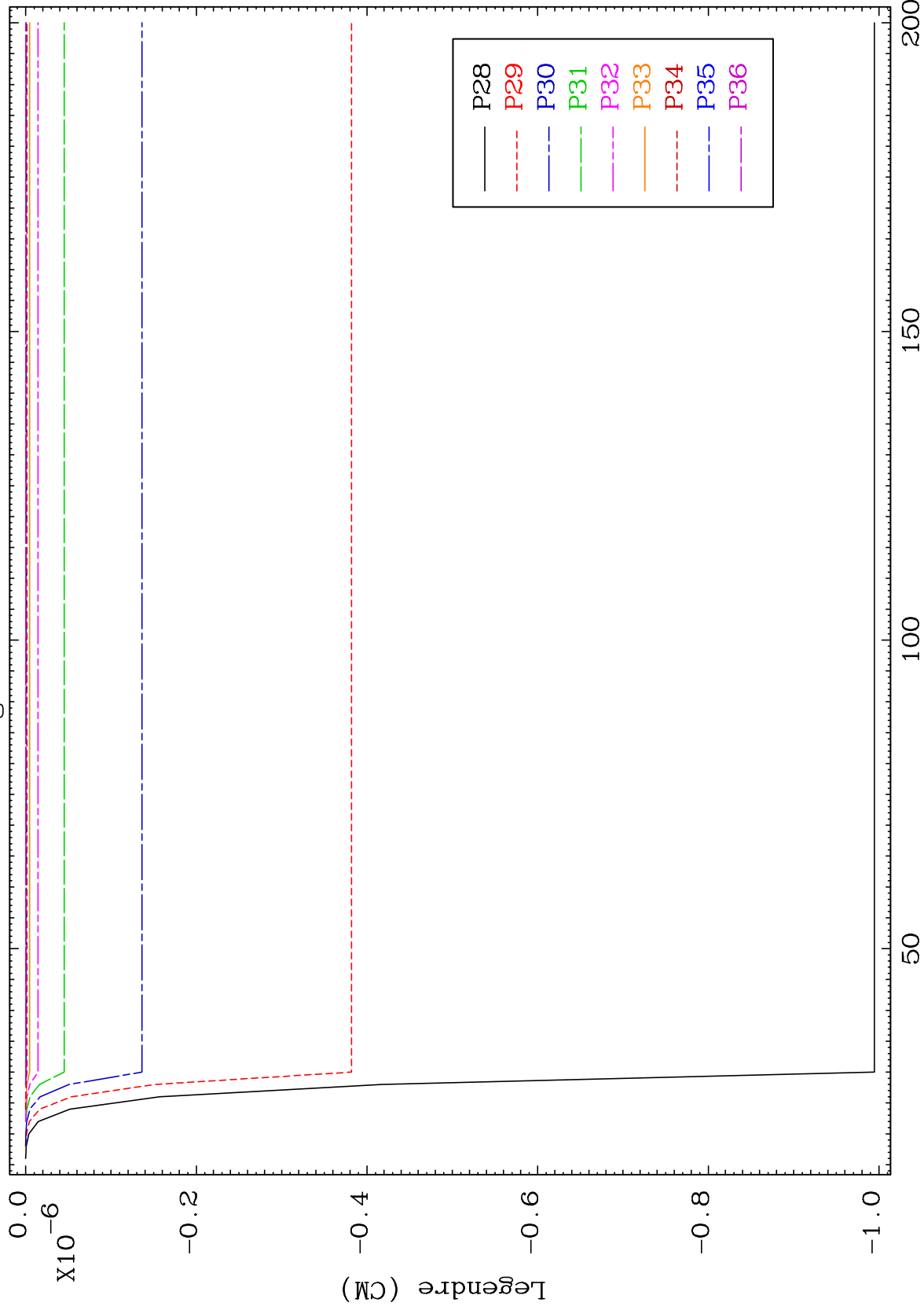
104

53-I -124

MAT 5316

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

53-I -124



53-I -124

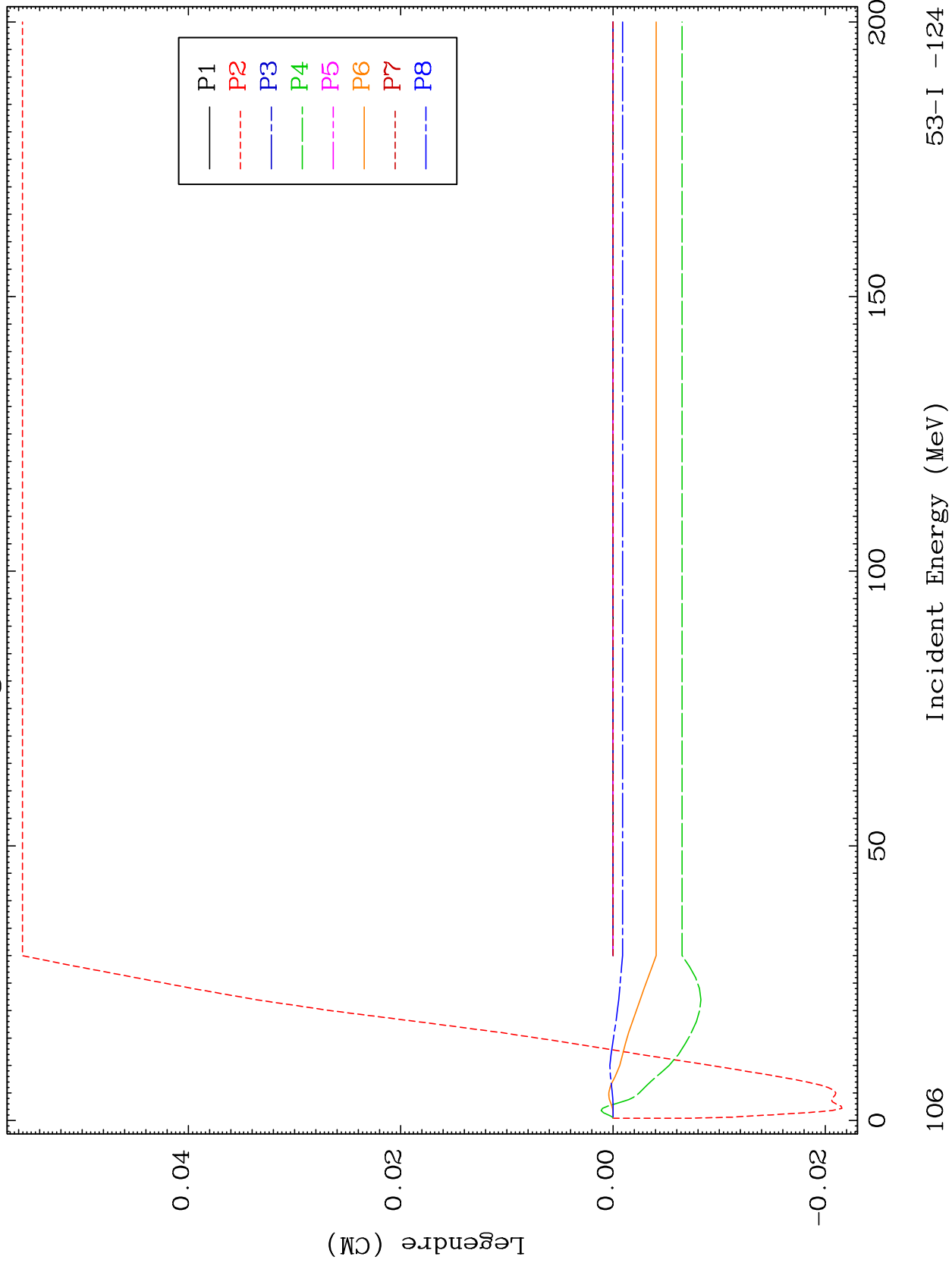
Incident Energy (MeV)

105

MAT 5316

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

53-I -124



53-I -124

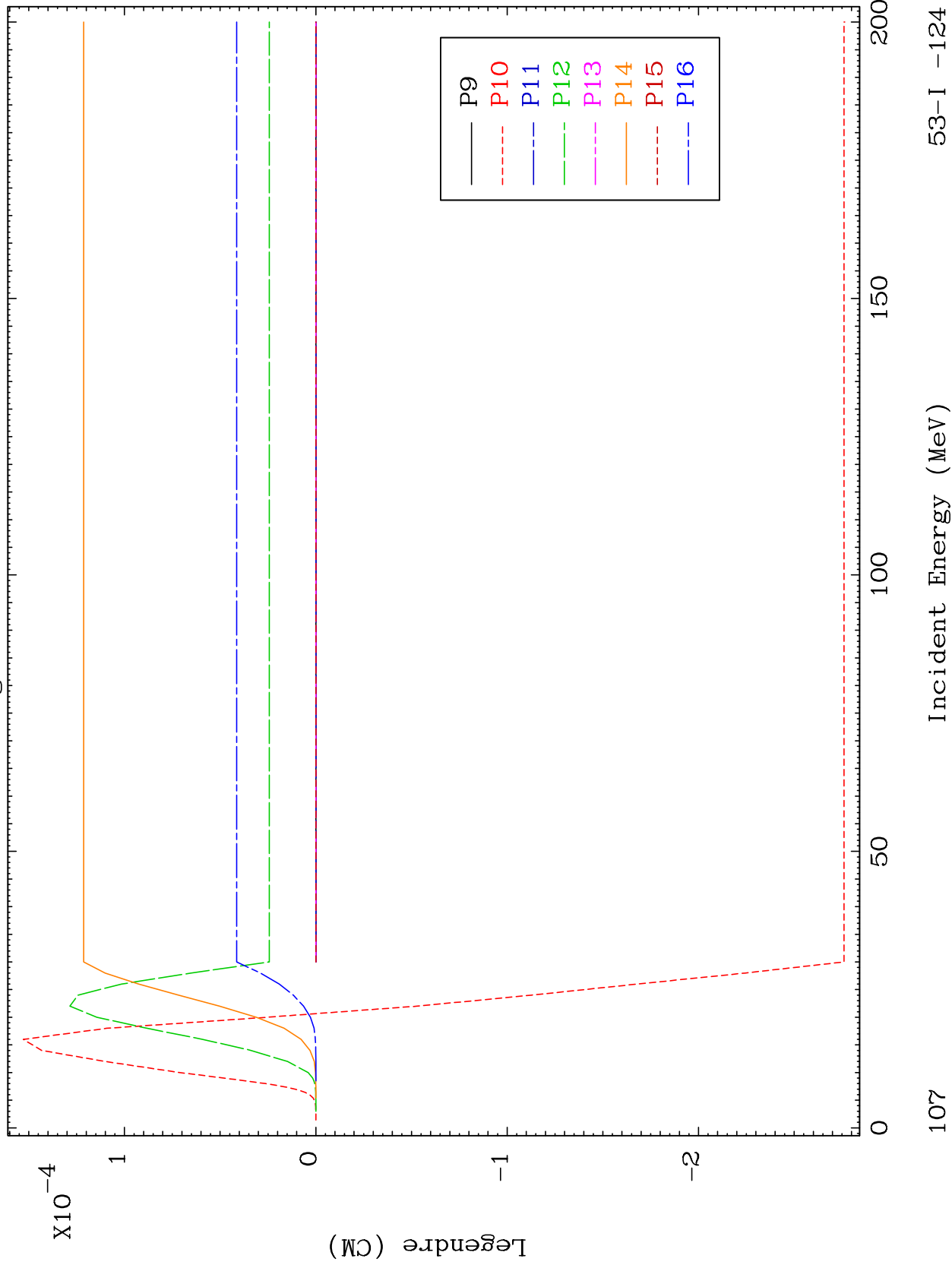
Incident Energy (MeV)

106

MAT 5316

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

53-I -124



107

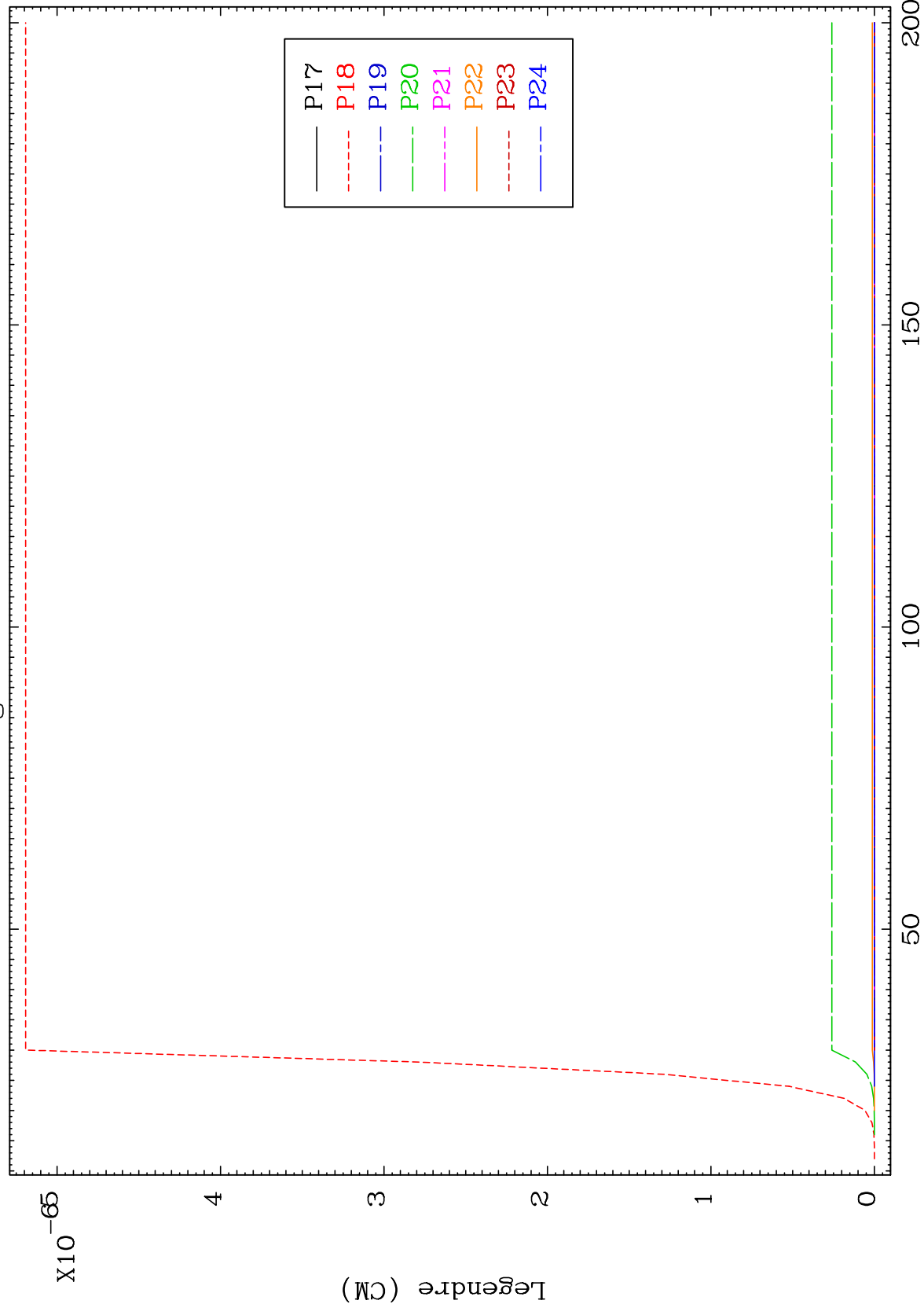
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



108

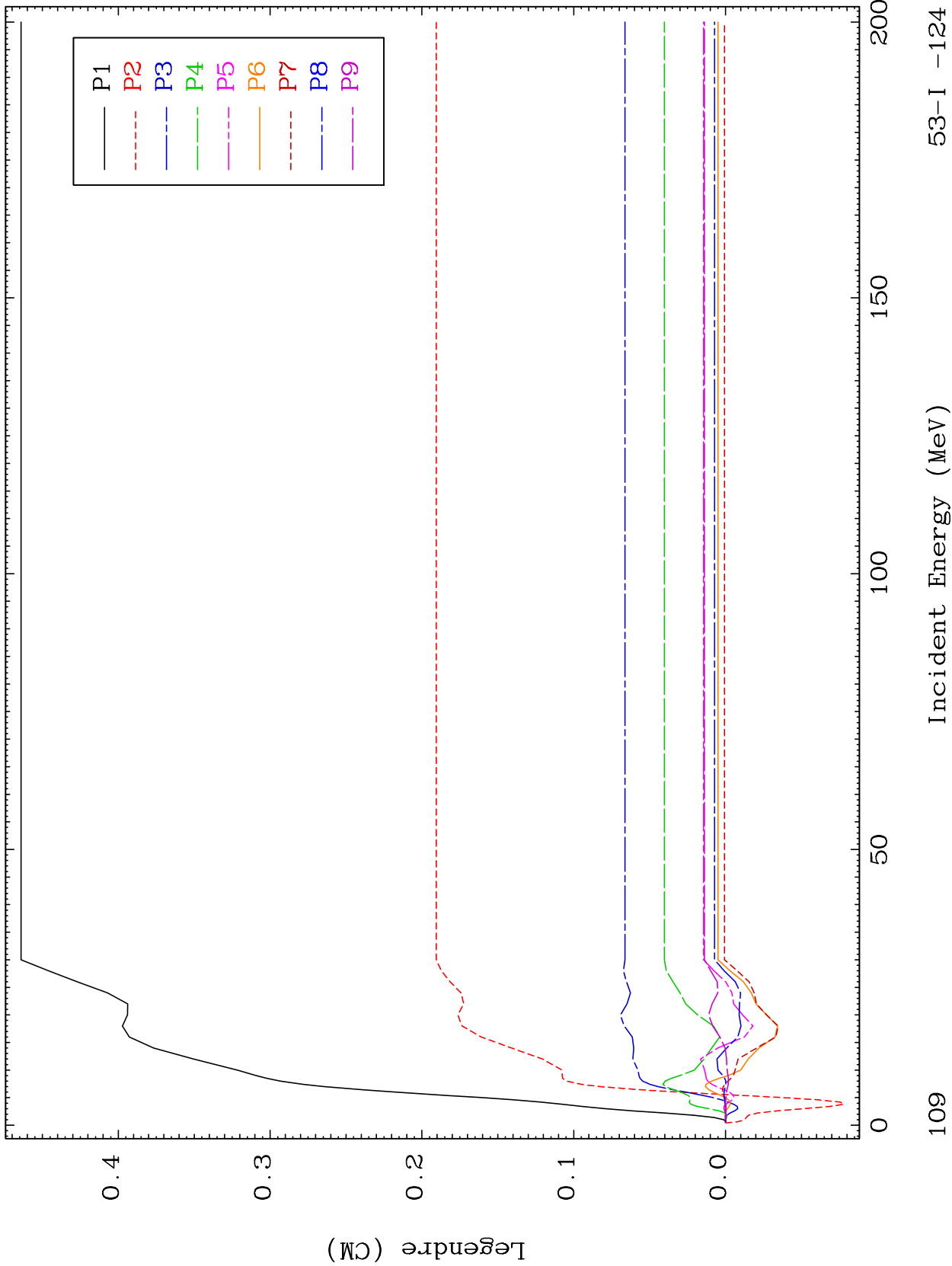
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



53-I -124

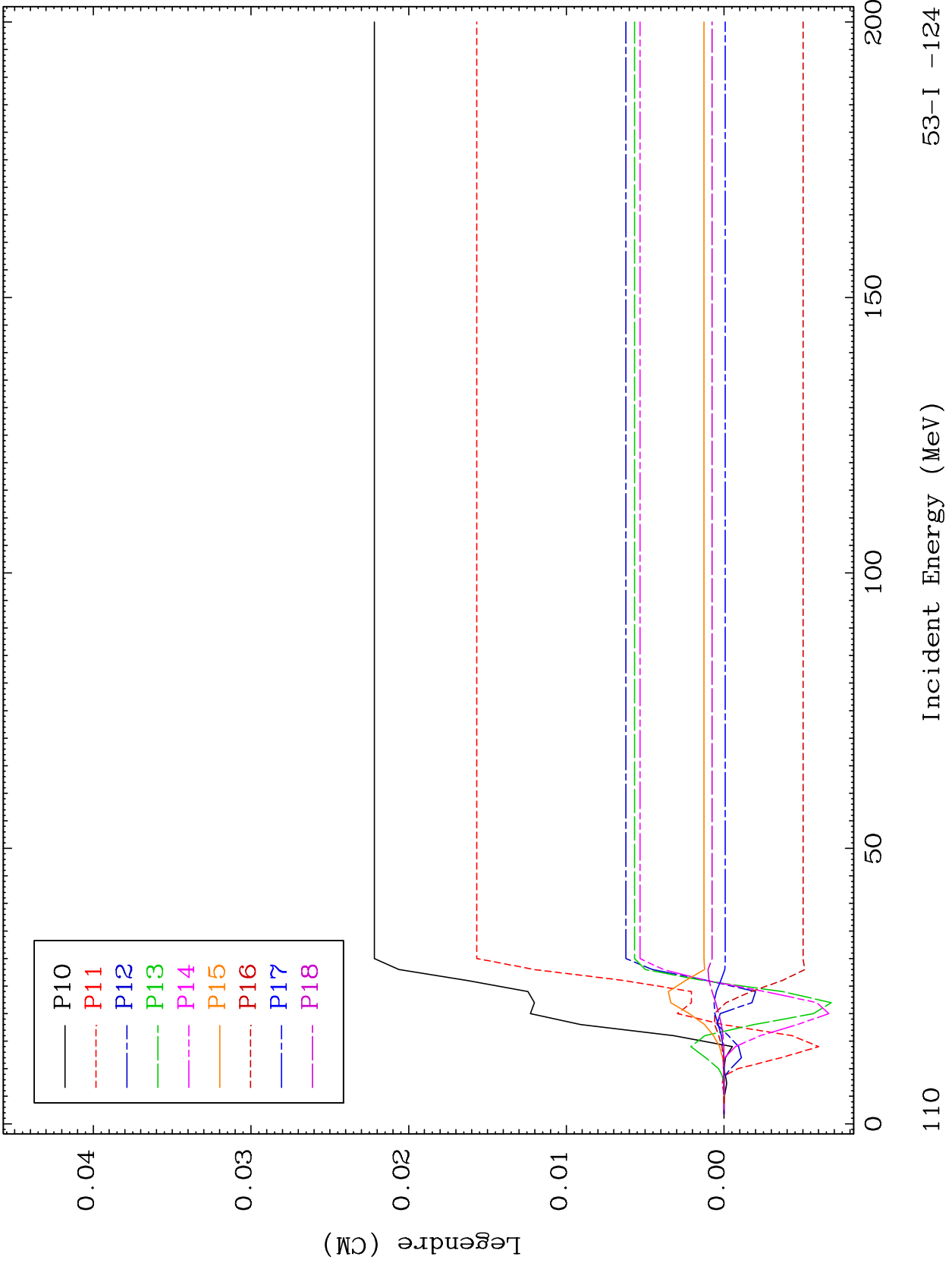
Incident Energy (MeV)

109

MAT 5316

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

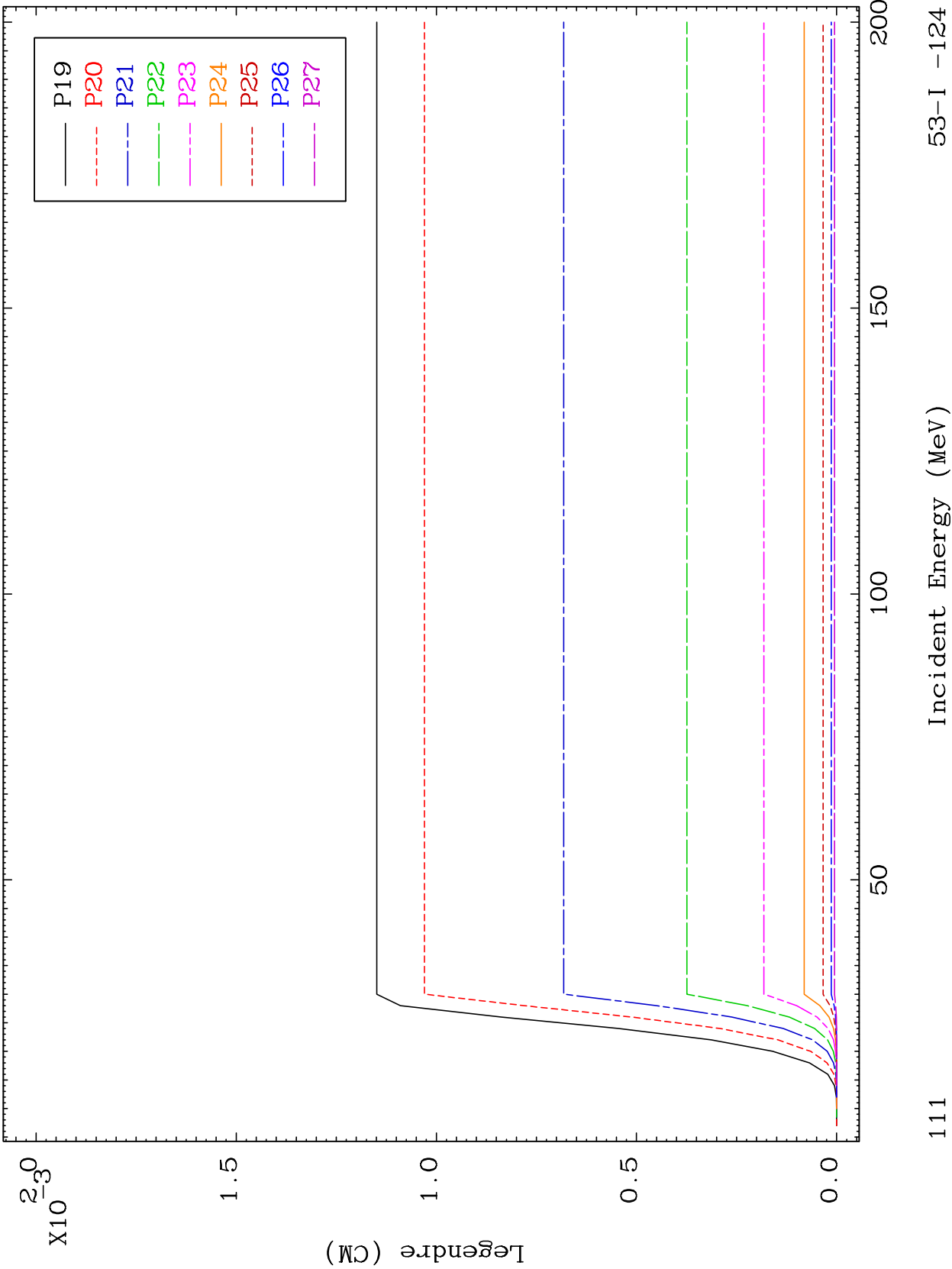
53-I -124



110

Incident Energy (MeV)

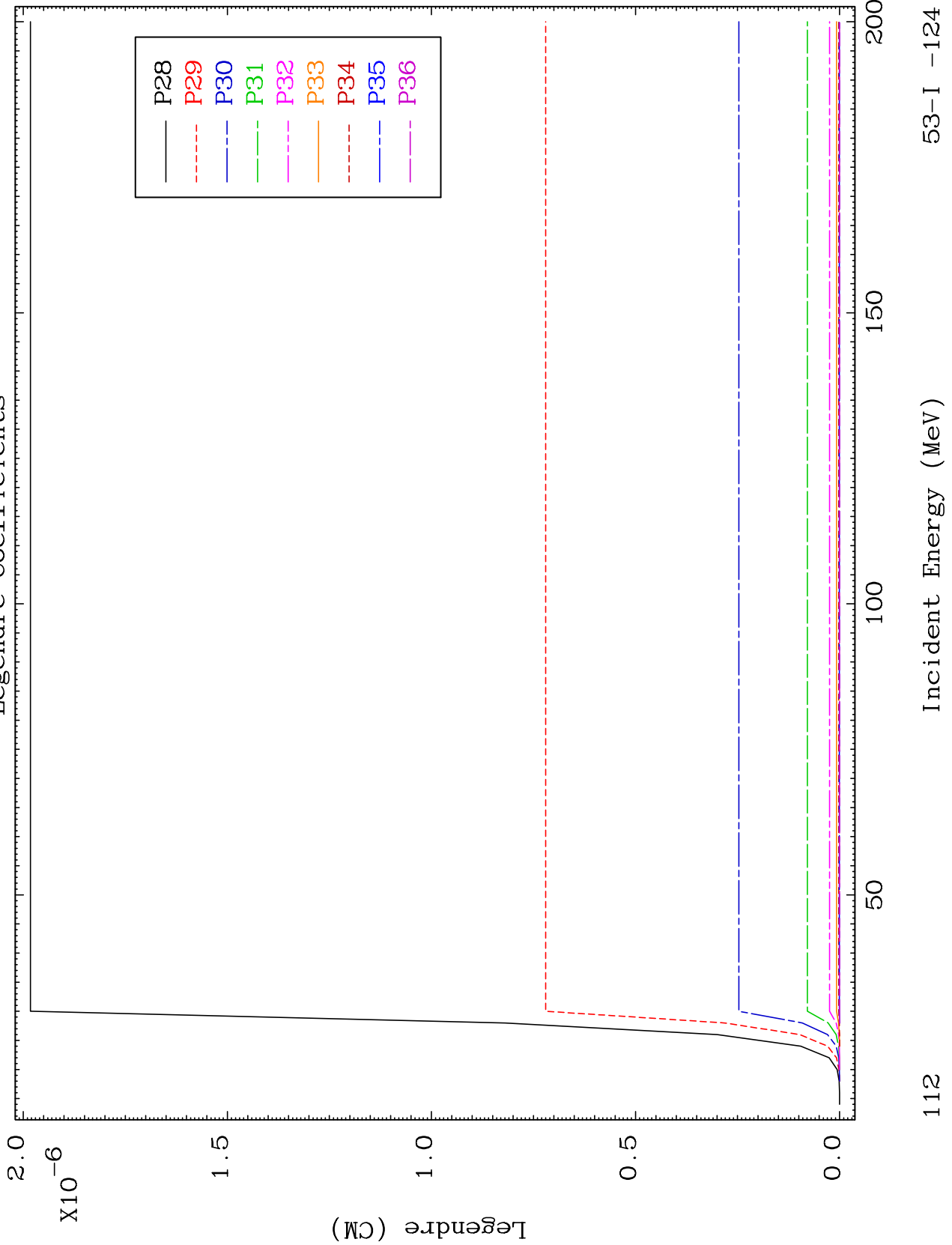
53-I -124



MAT 5316

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

53-I -124



112

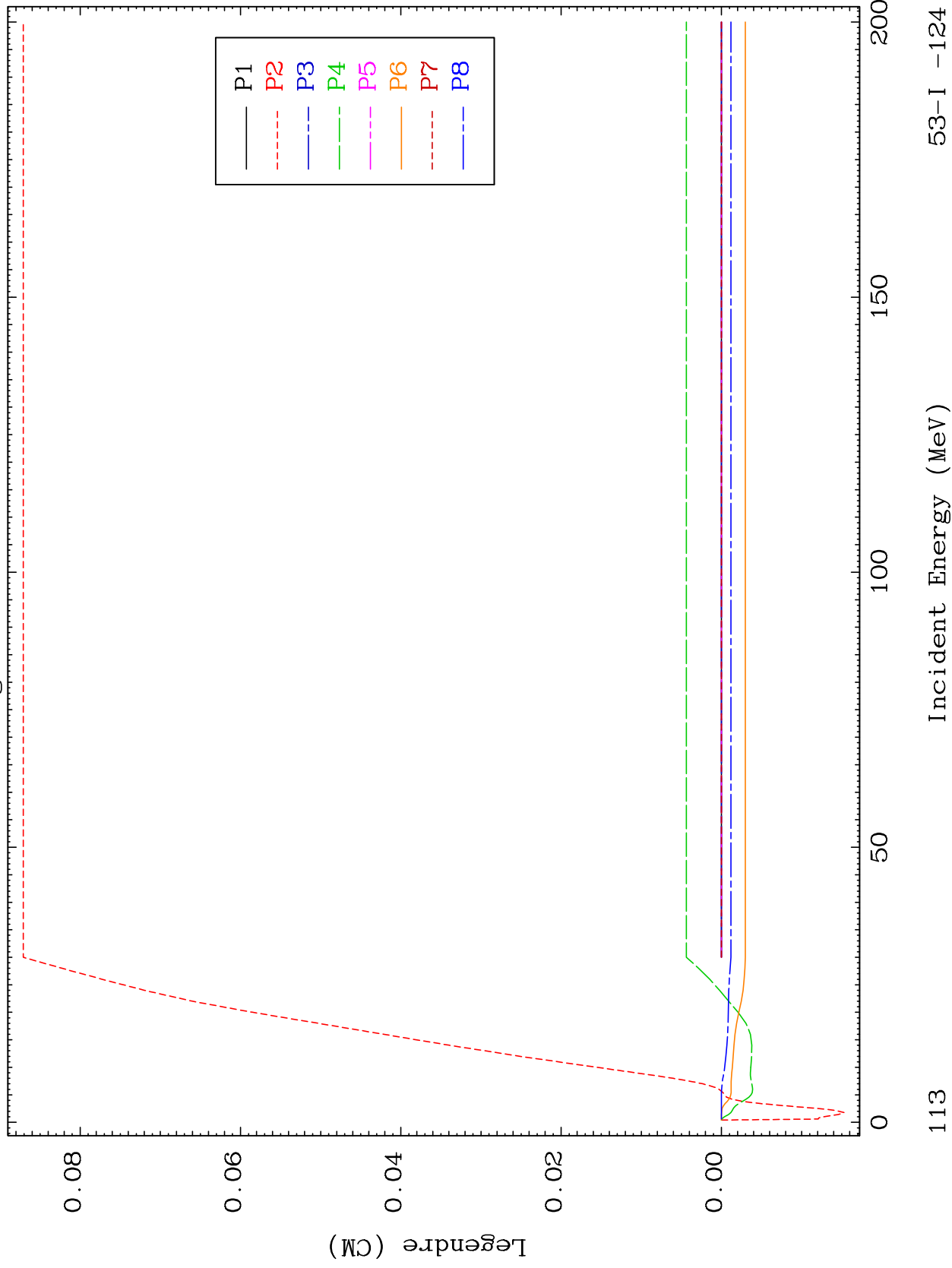
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



53-I -124

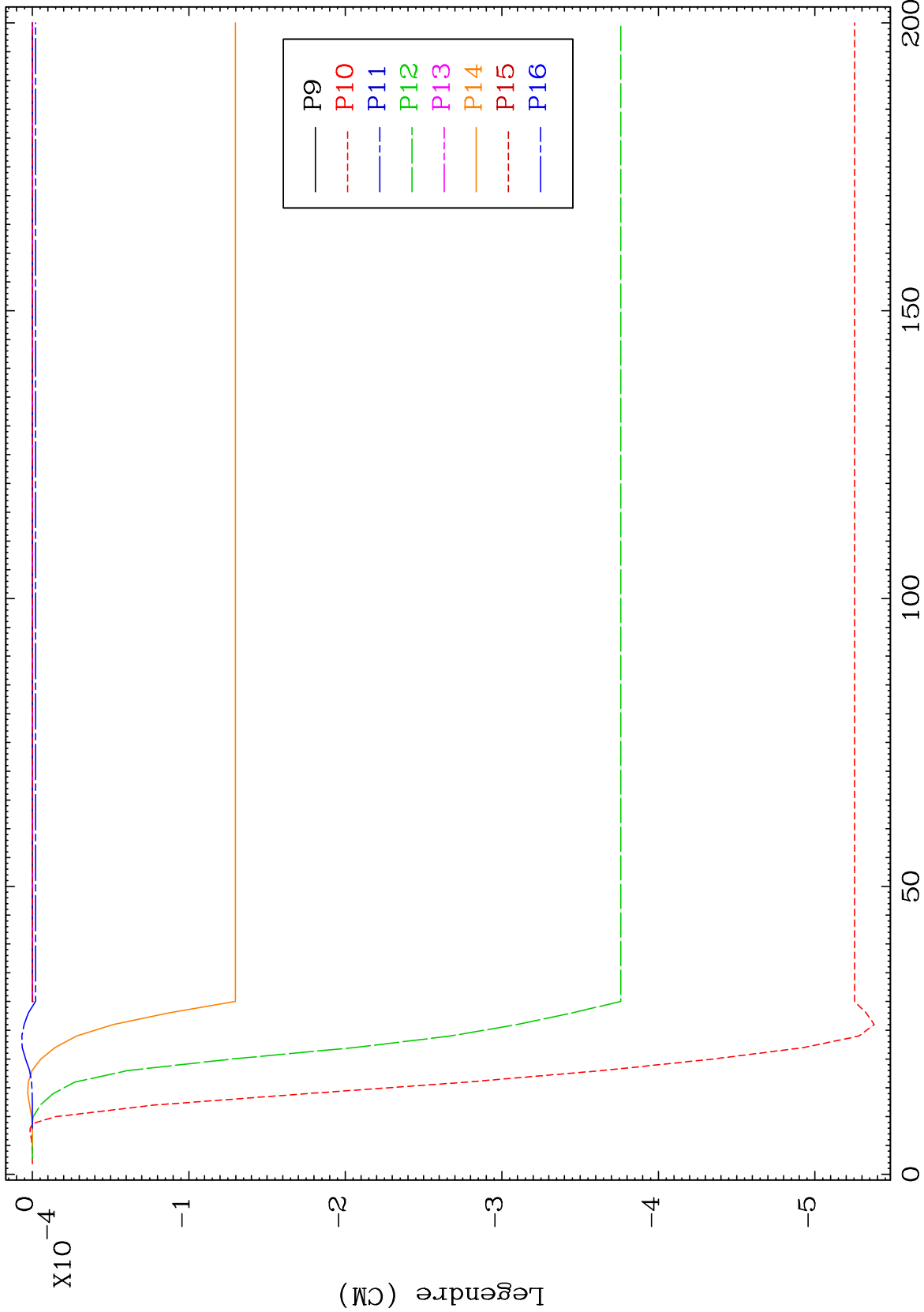
Incident Energy (MeV)

113

MAT 5316

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

53-I -124

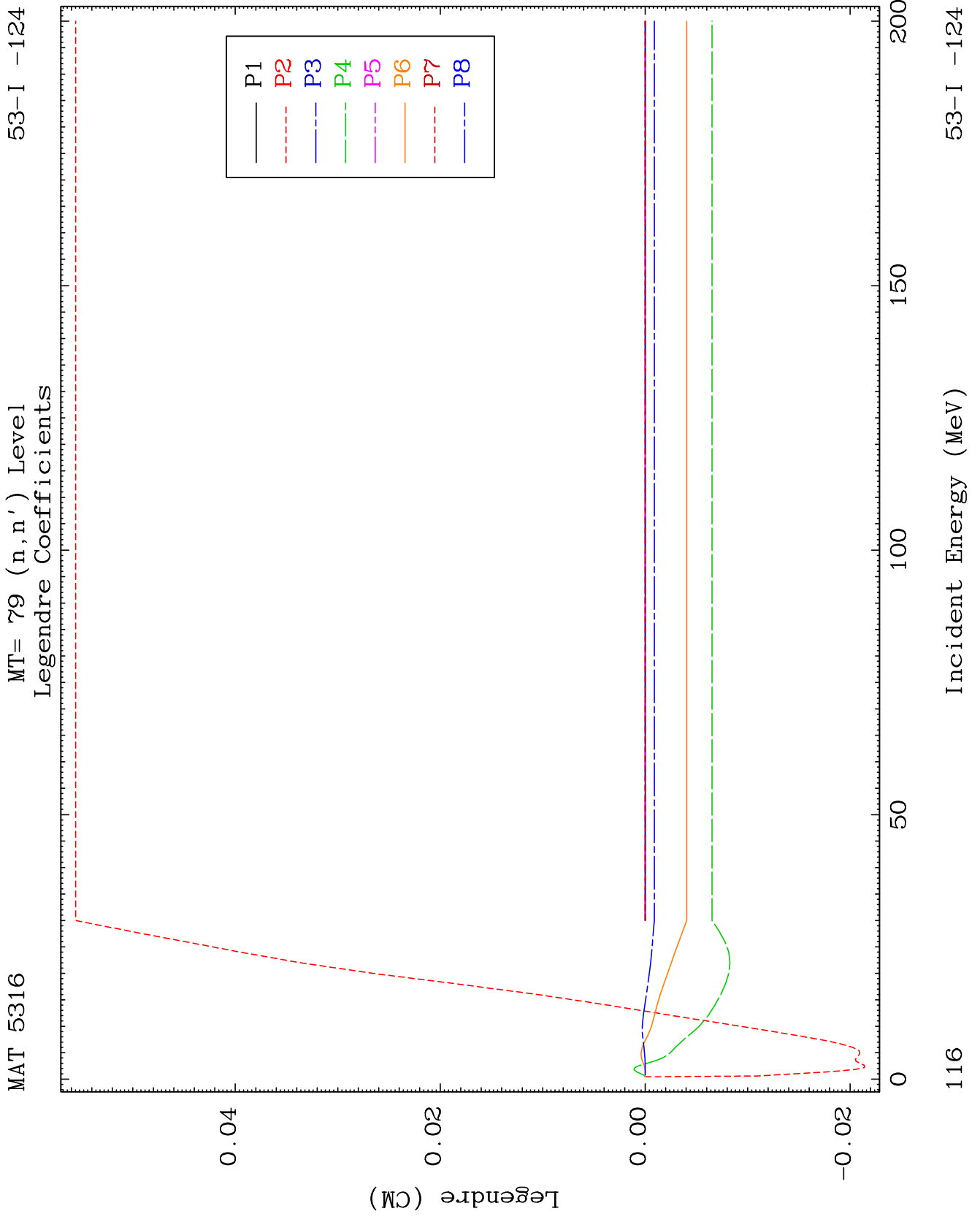


114

Incident Energy (MeV)

53-I -124



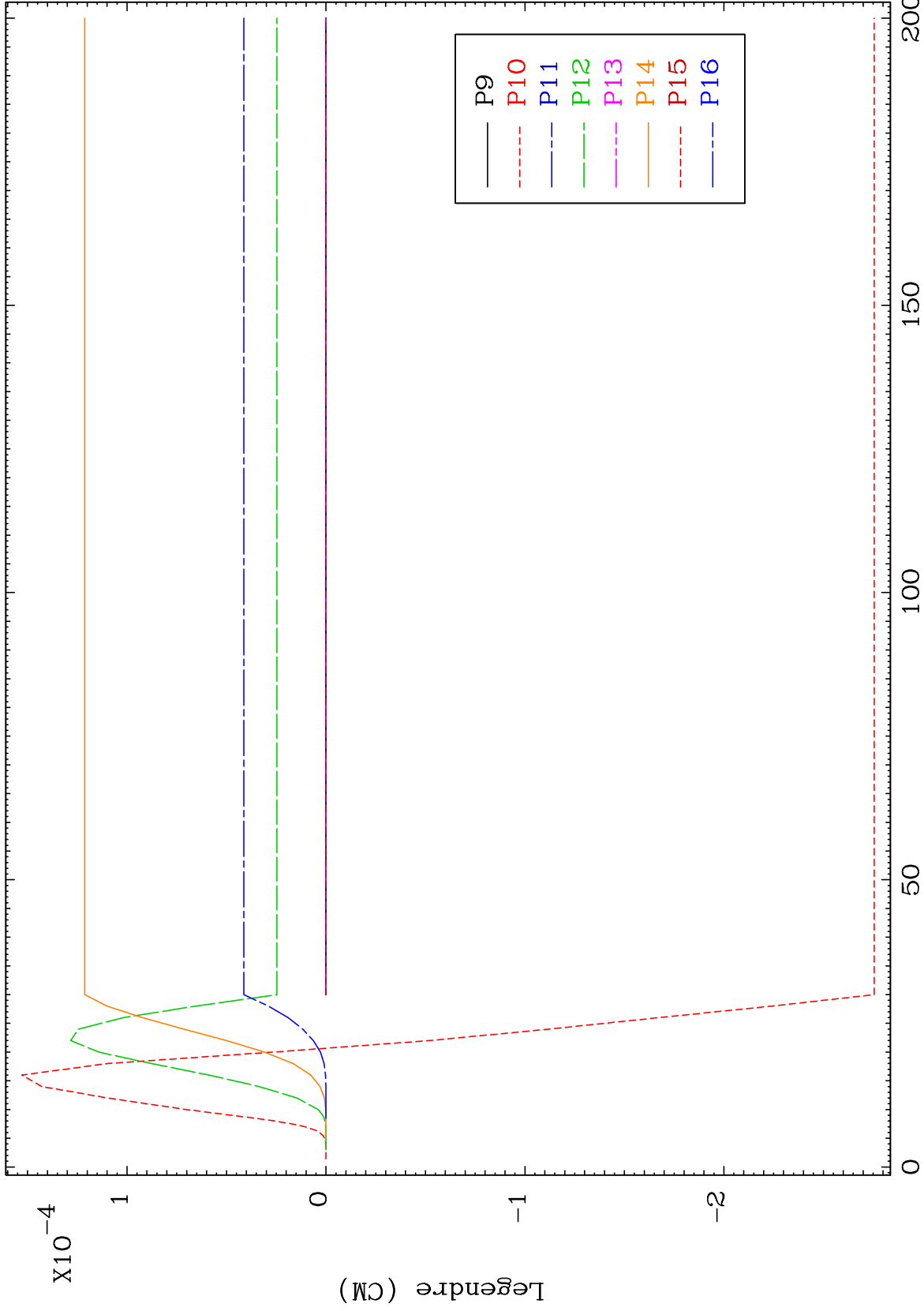


MAT 5316

MT= 79 (n,n') Level

53-I -124

Legendre Coefficients



117

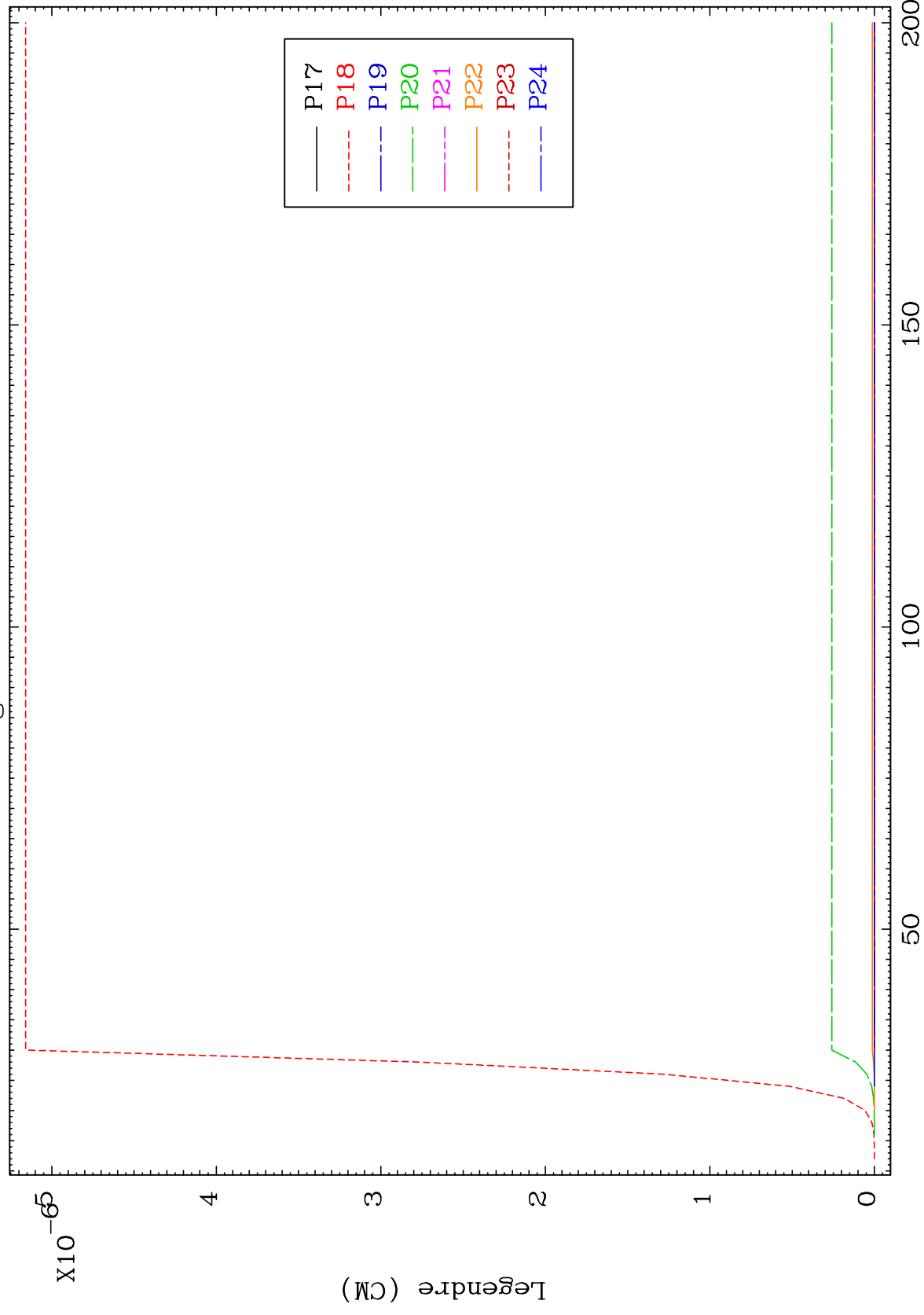
Incident Energy (MeV)

53-I -124

MAT 5316

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

53-I -124



53-I -124

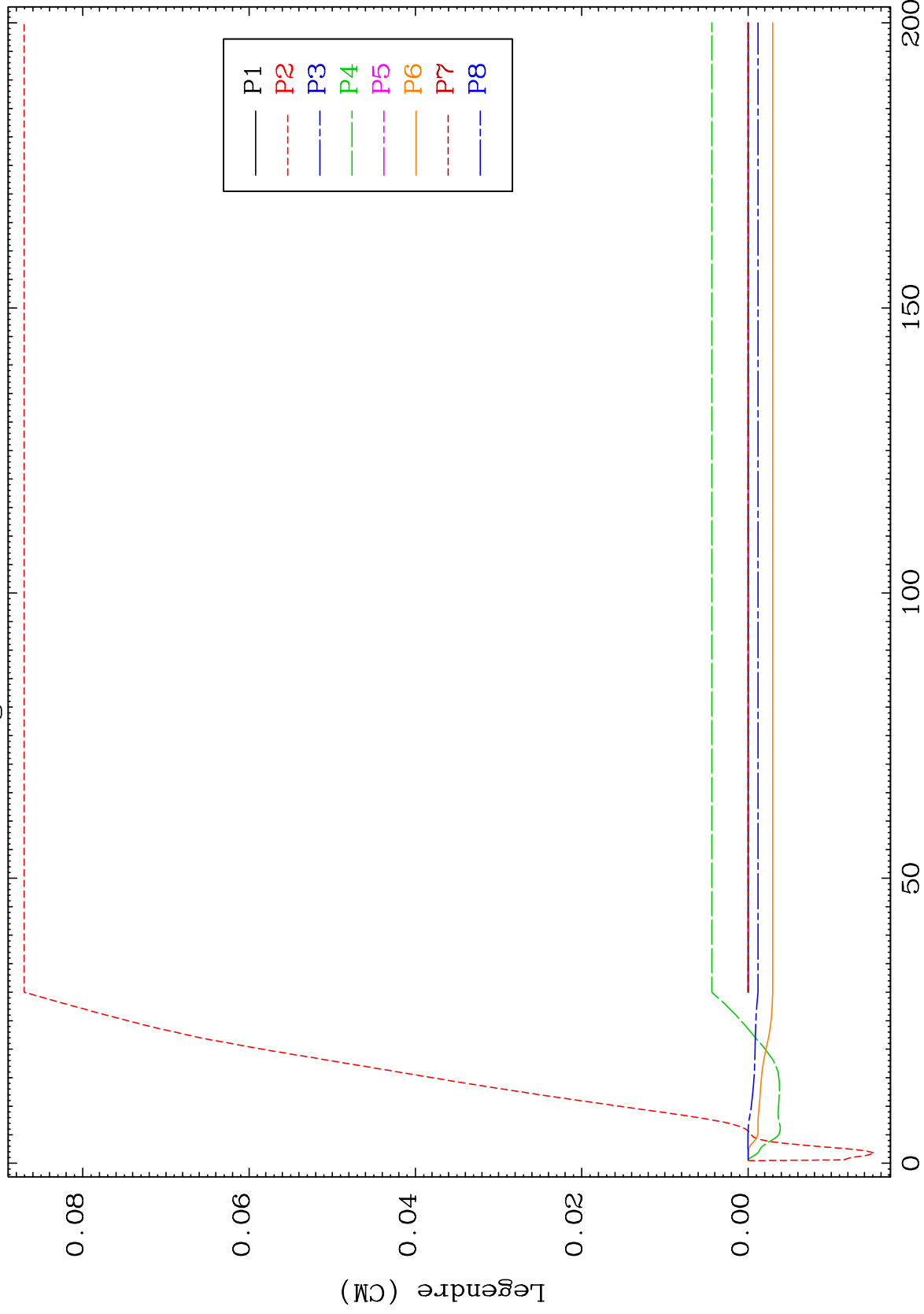
Incident Energy (MeV)

118

MAT 5316

MT= 80 (n,n') Level  
Legendre Coefficients

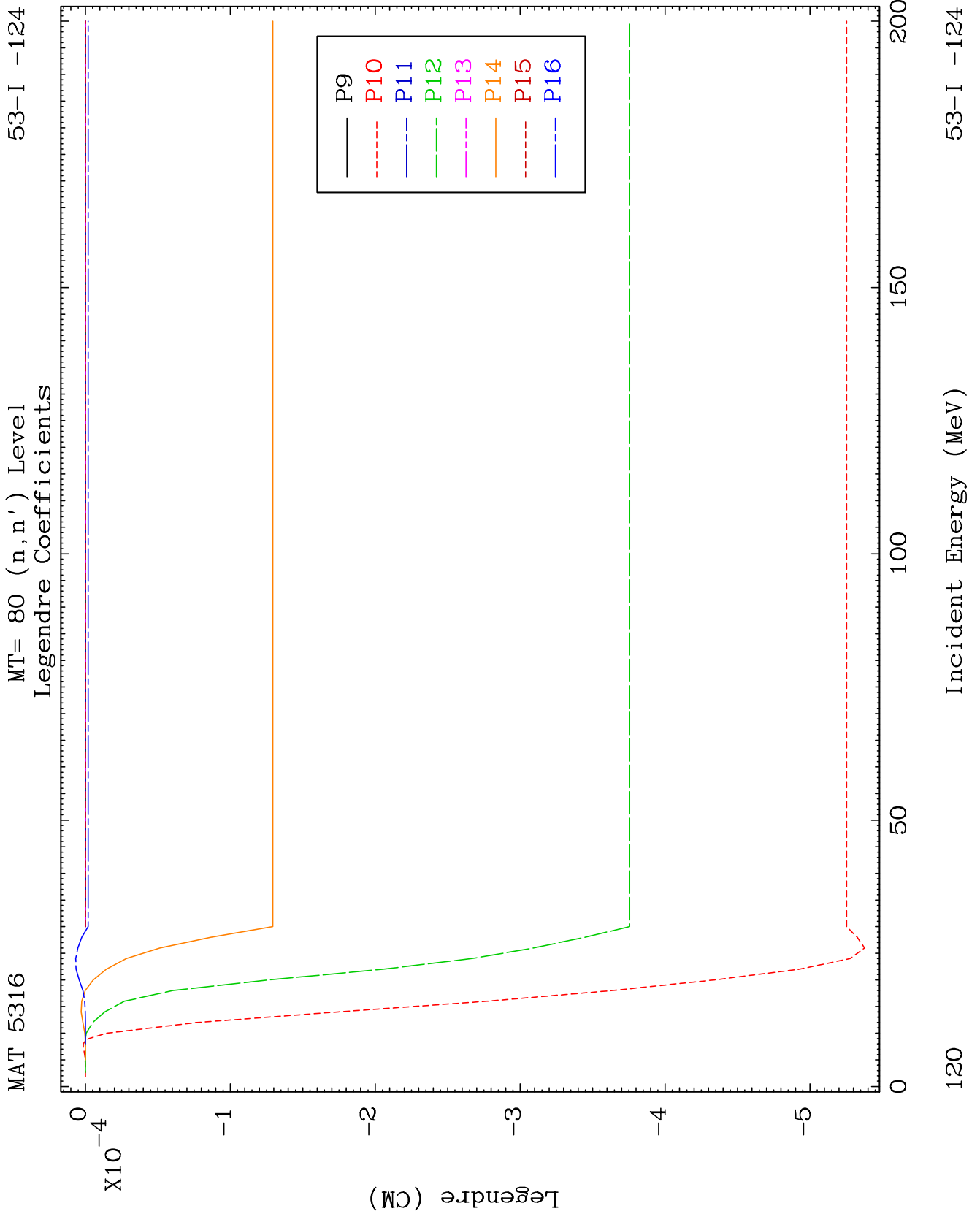
53-I -124



119

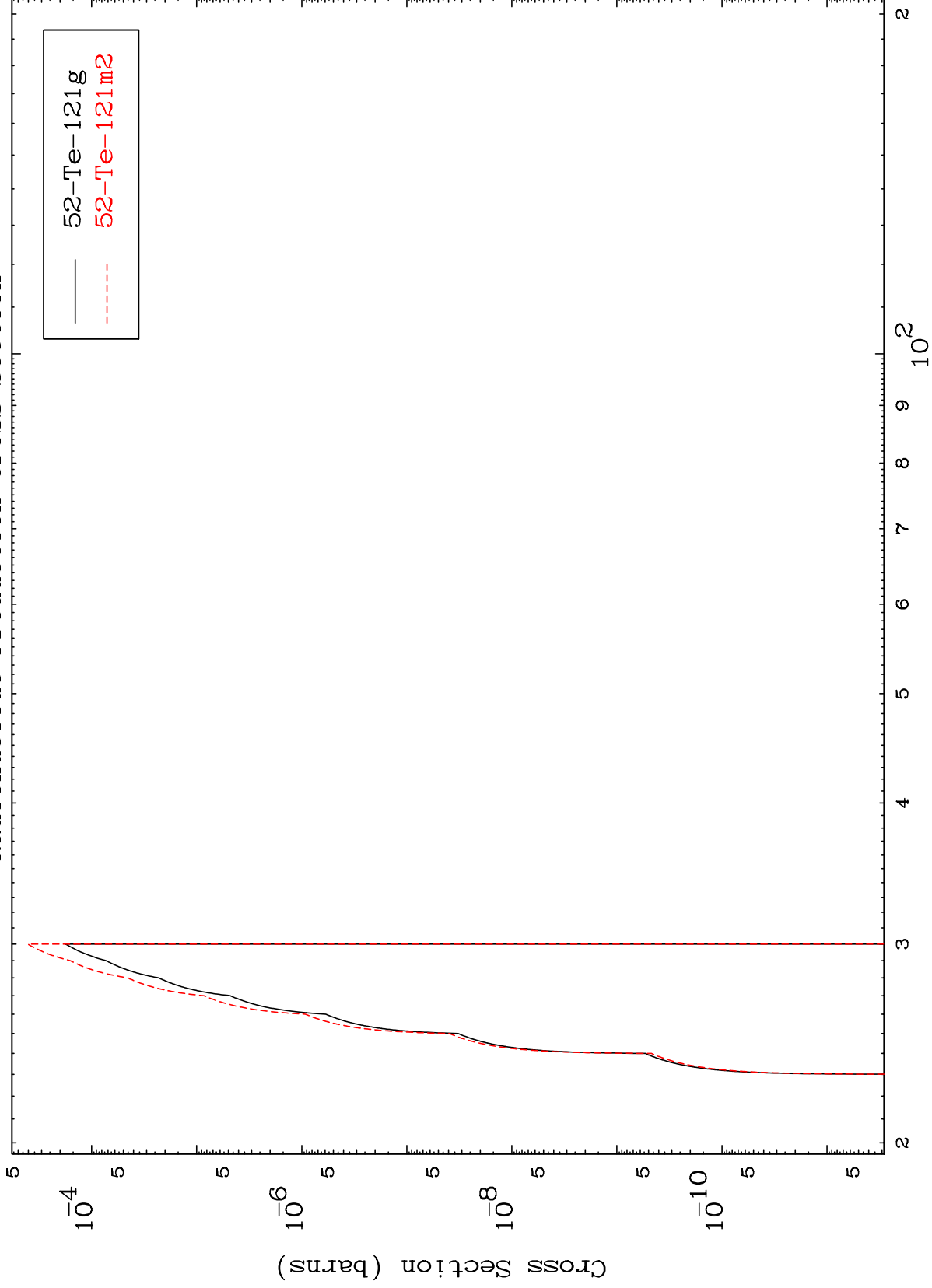
Incident Energy (MeV)

53-I -124





Radionuclide Production Cross Section

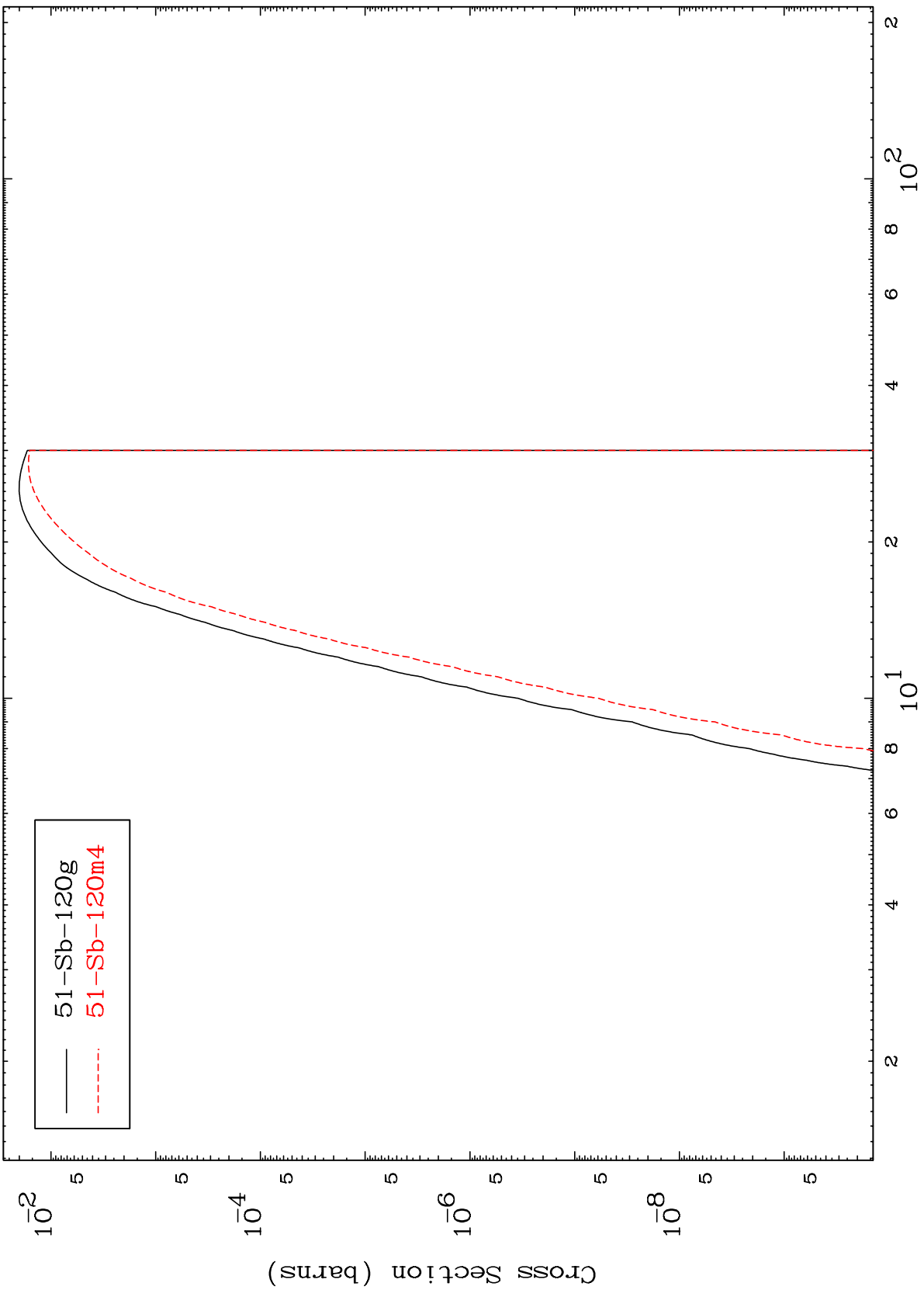


MAT 5316

(n,n')  $\alpha$

53-I -124

Radionuclide Production Cross Section



— 51-Sb-120g  
- - - 51-Sb-120m4

123

Incident Energy (MeV)

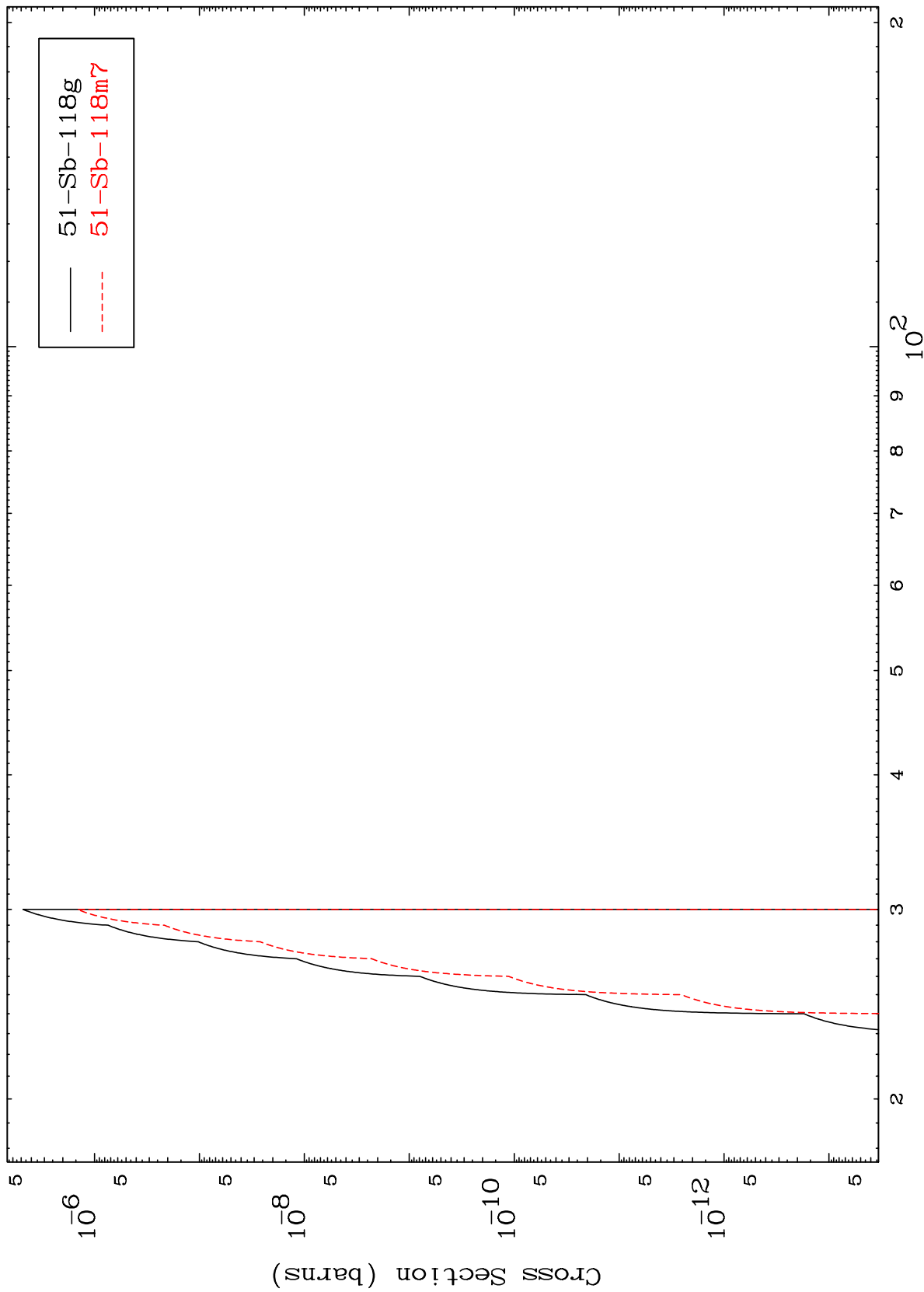
53-I -124

MAT 5316

(n,3n)  $\alpha$

53-I -124

Radionuclide Production Cross Section

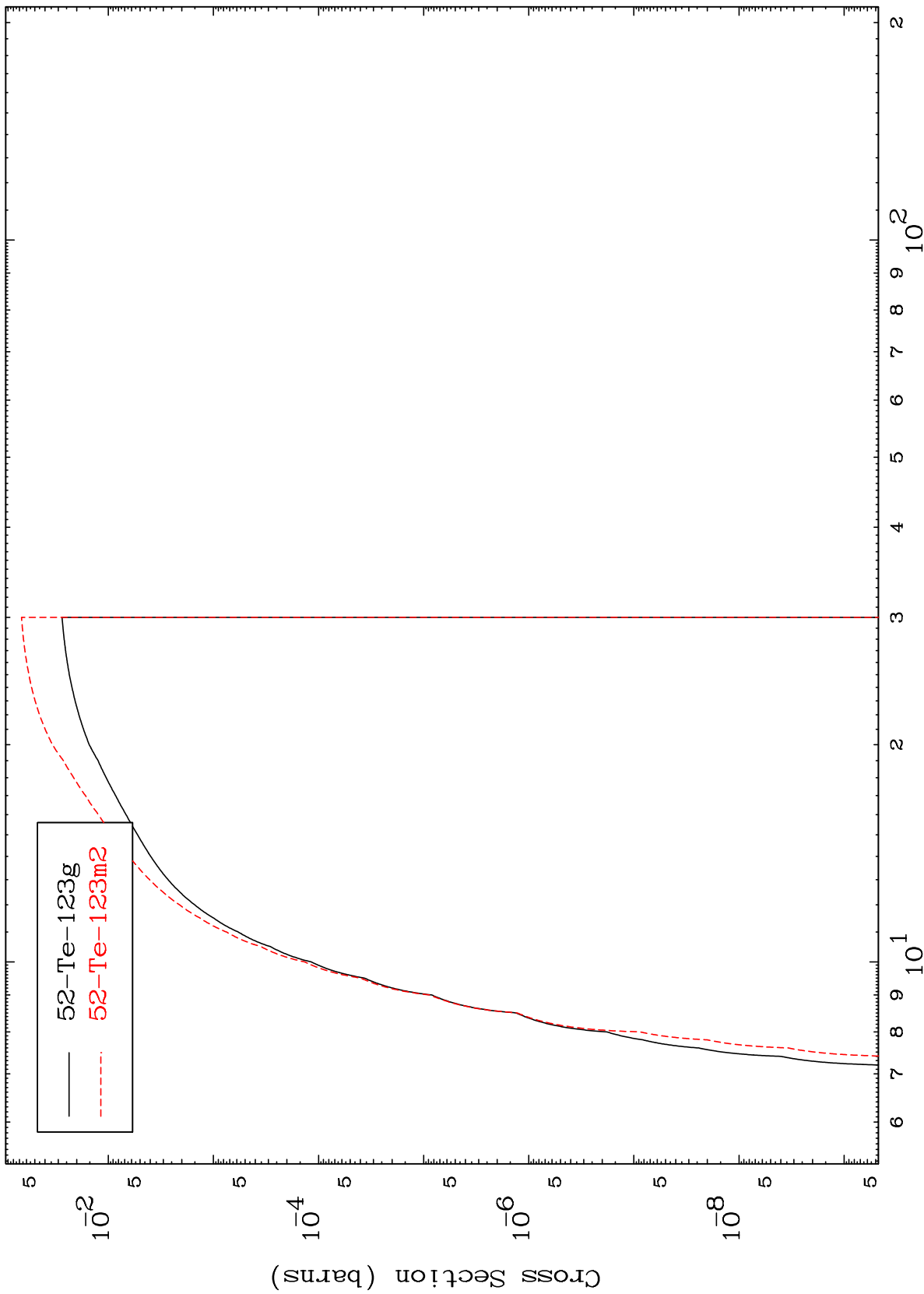


124

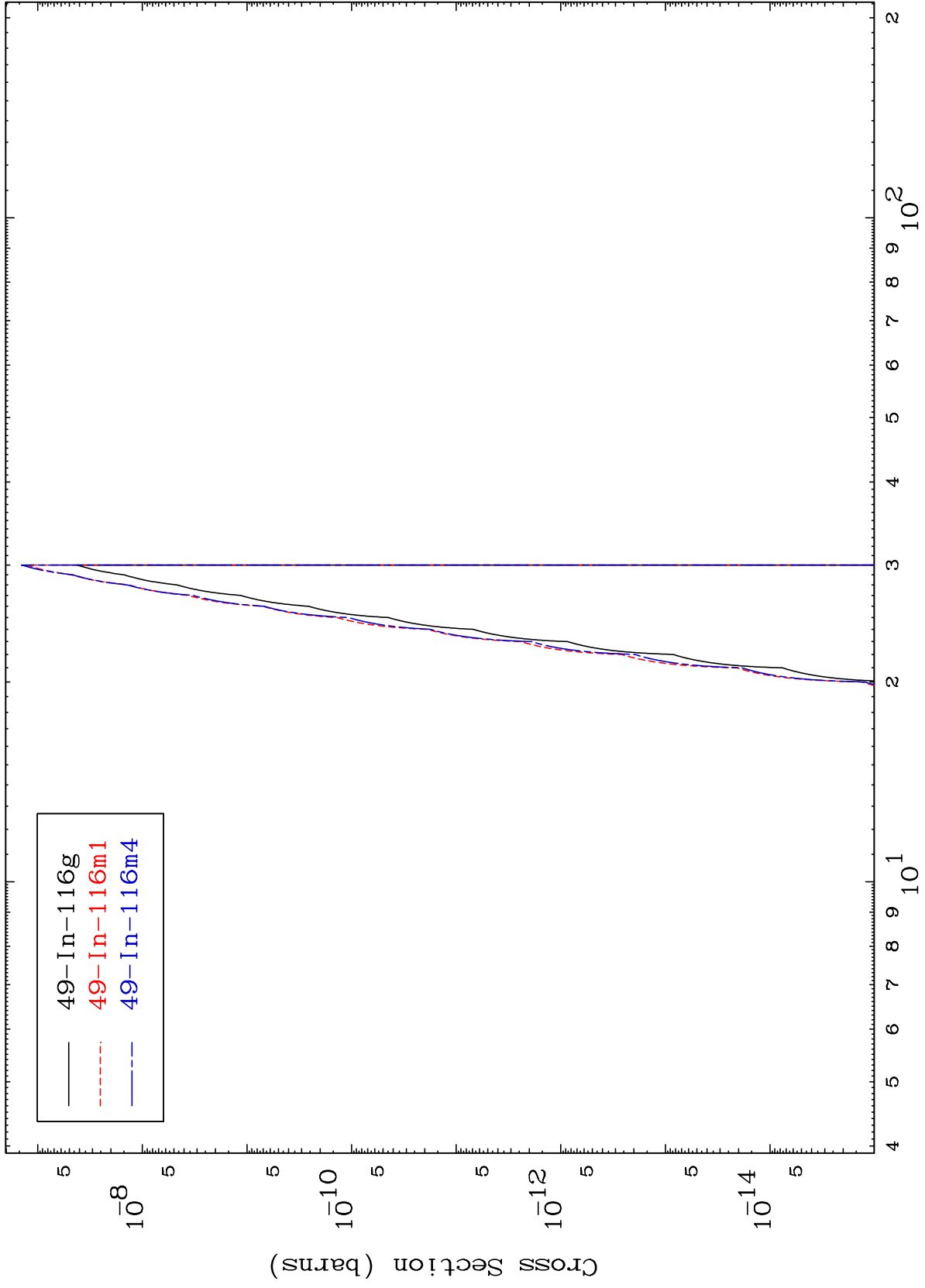
Incident Energy (MeV)

53-I -124

(n,n') p  
Radionuclide Production Cross Section

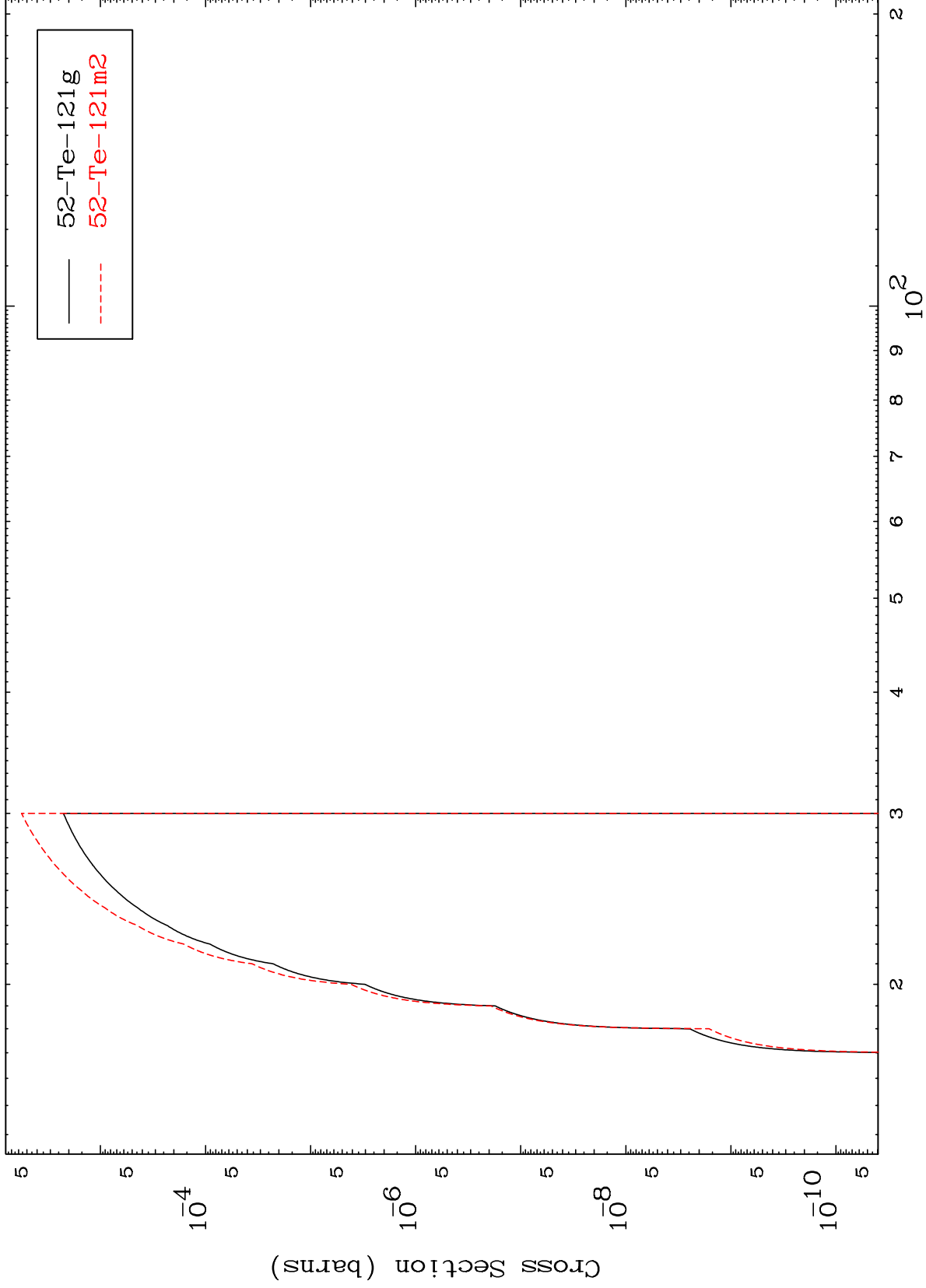


Radionuclide Production Cross Section

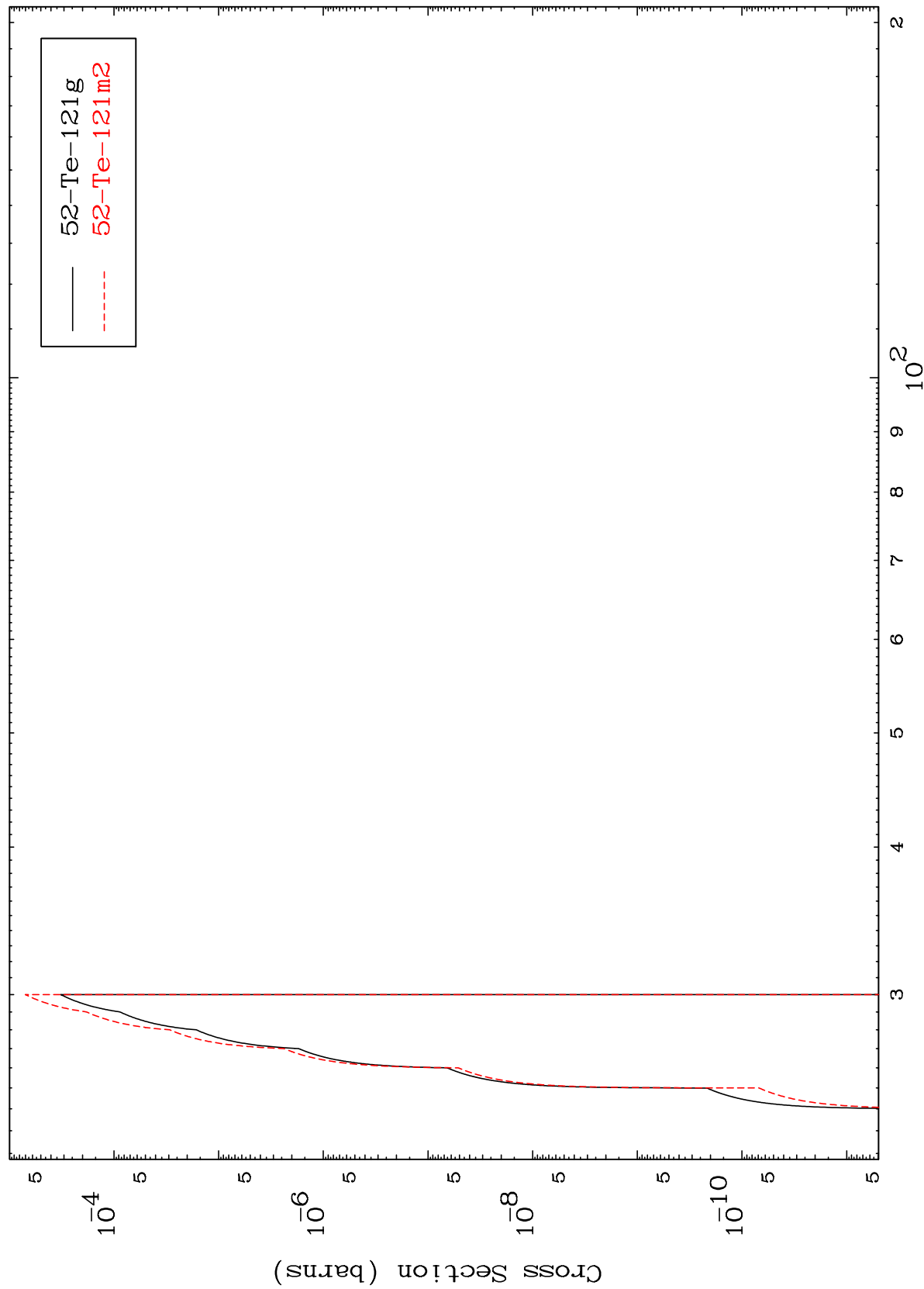


49-In-116g  
49-In-116m1  
49-In-116m4

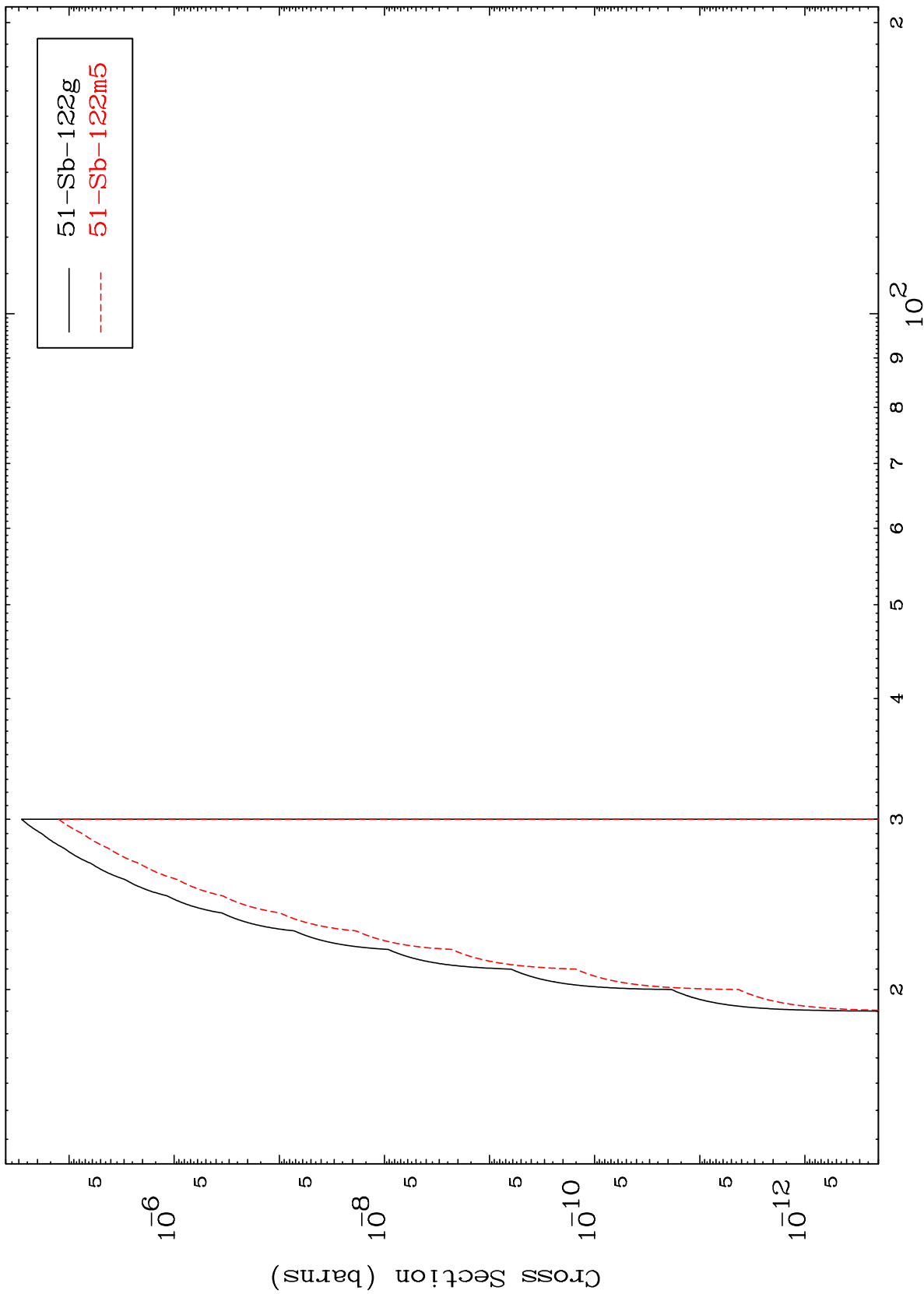
Radionuclide Production Cross Section



Radionuclide Production Cross Section

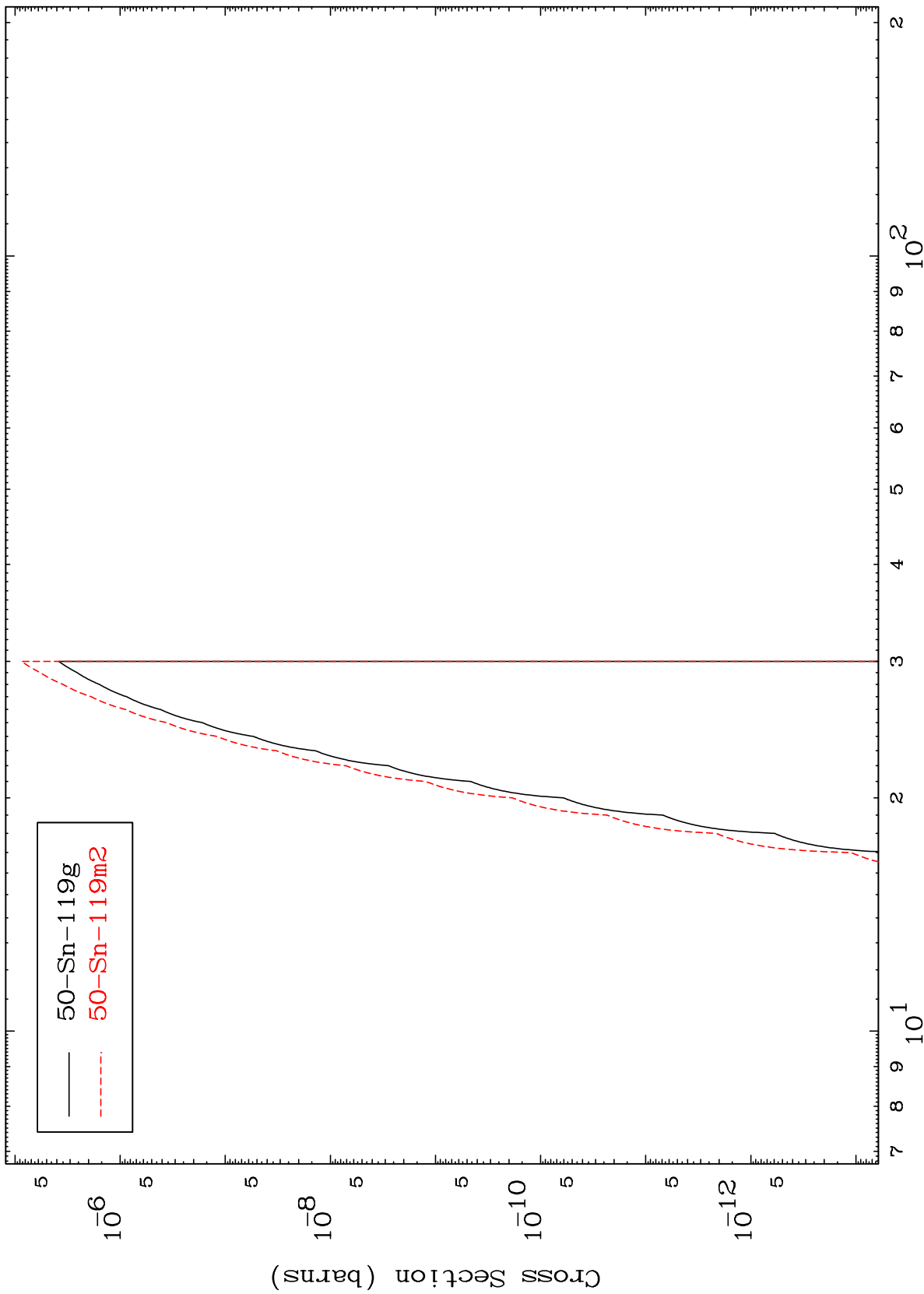


Radionuclide Production Cross Section



51-Sb-122g  
51-Sb-122m5

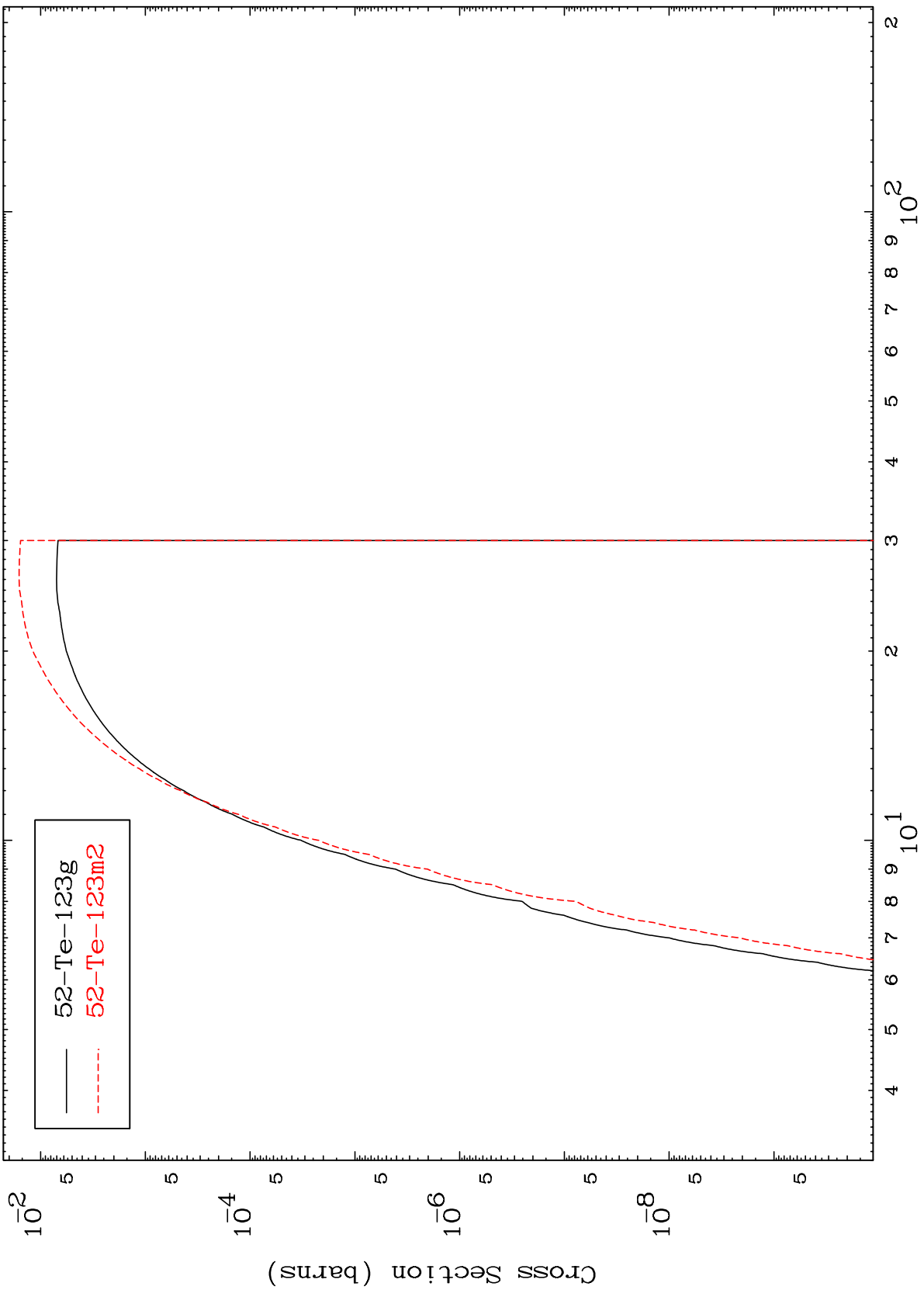
Radionuclide Production Cross Section



MAT 5316

53-I -124

(n,d)  
Radionuclide Production Cross Section



— 52-Te-123g  
- - - 52-Te-123m2

131

Incident Energy (MeV)

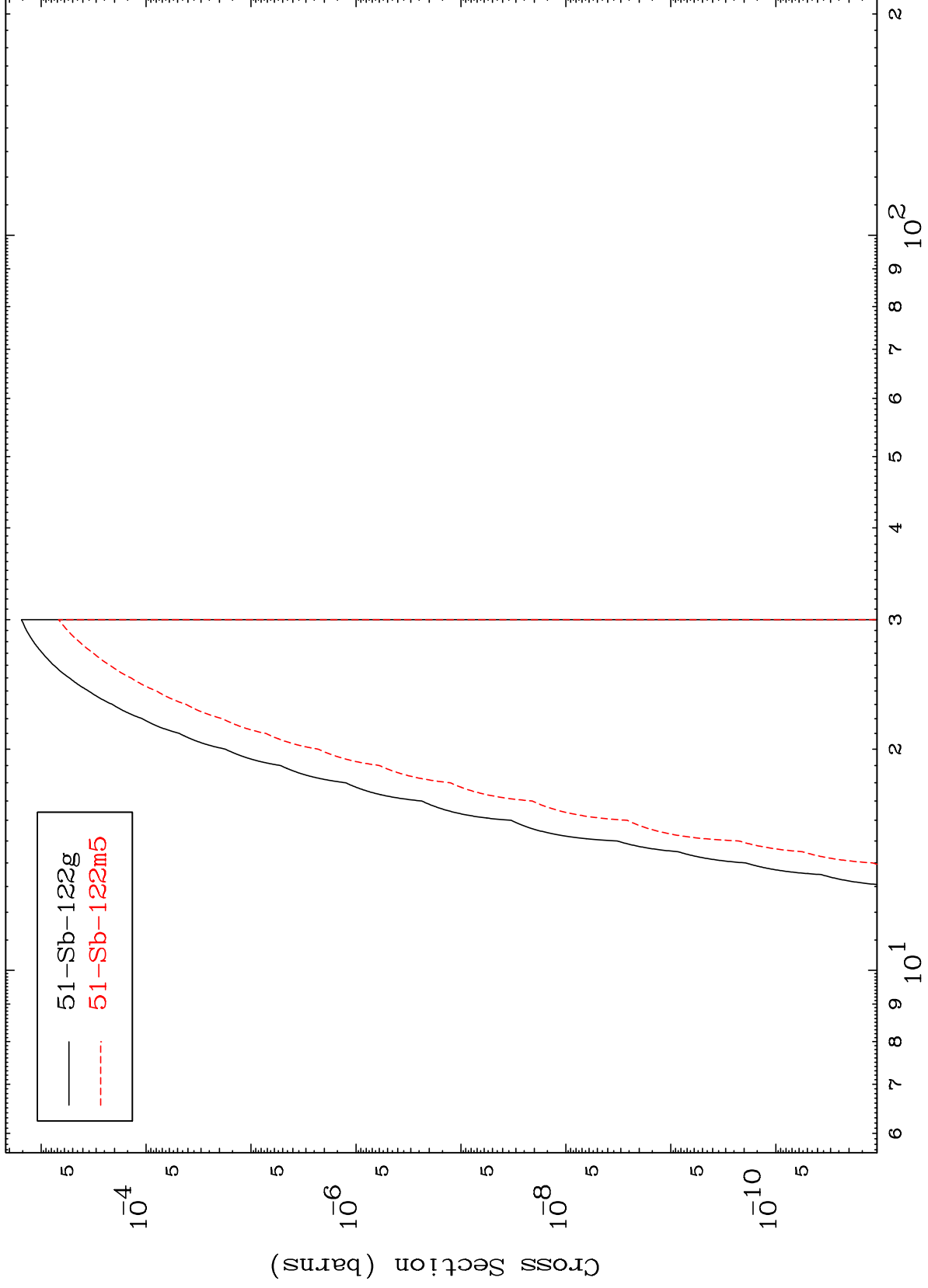
53-I -124

MAT 5316

(n,He-3)

53-I -124

Radionuclide Production Cross Section



51-Sb-122g  
51-Sb-122m5

132

Incident Energy (MeV)

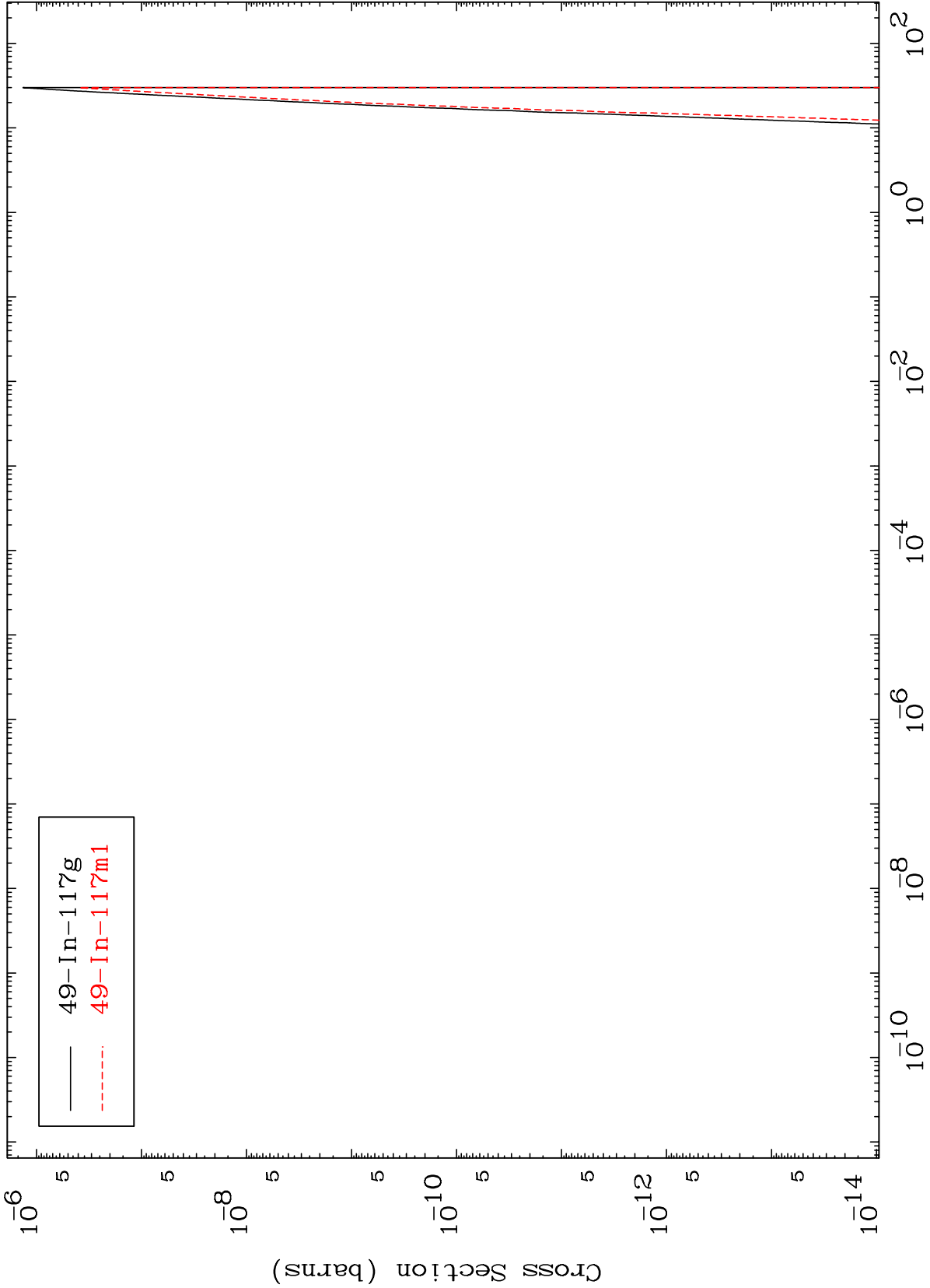
53-I -124

MAT 5316

(n,2α)

53-I -124

Radionuclide Production Cross Section



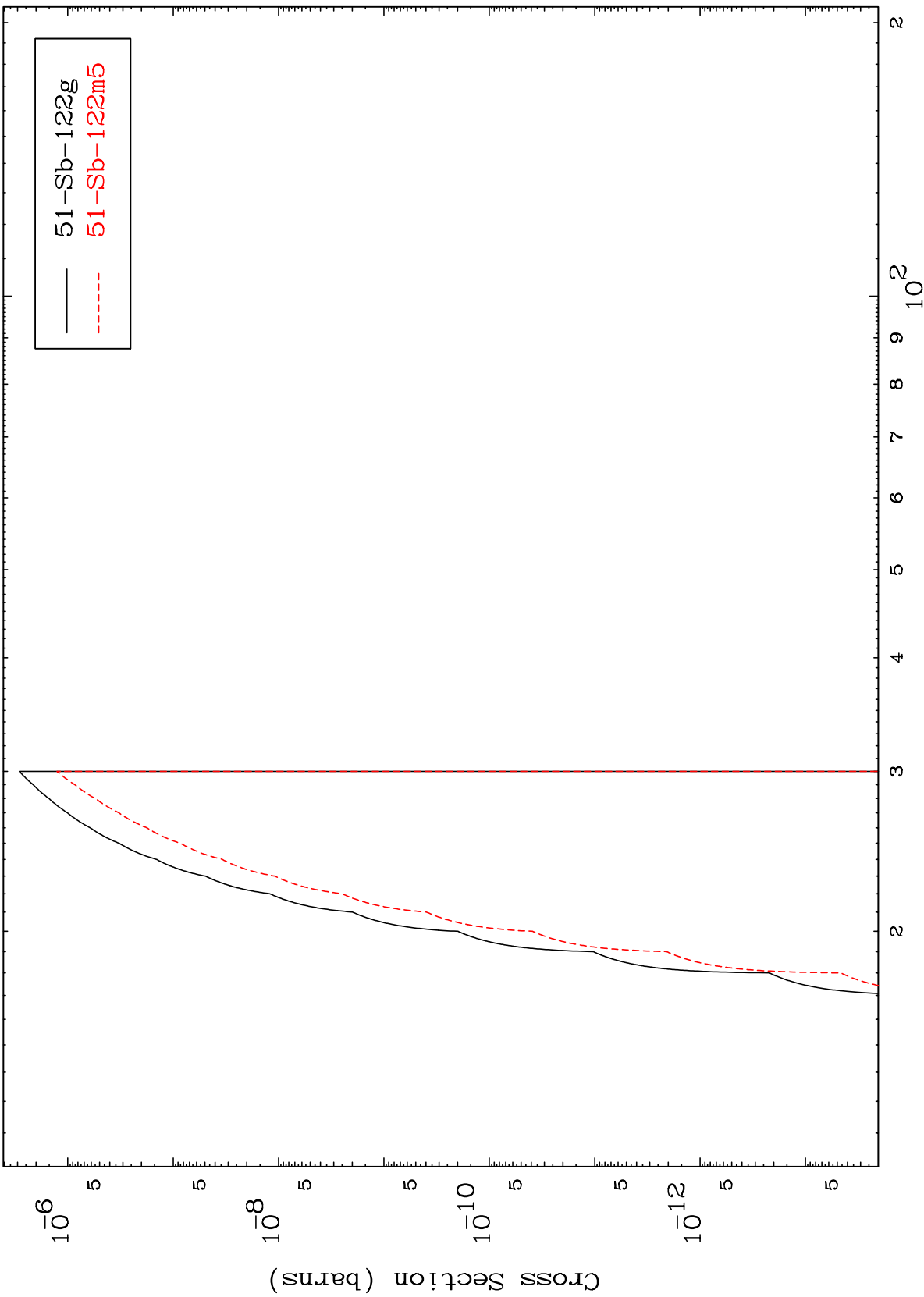
— 49-In-117g  
- - - 49-In-117m1

Incident Energy (MeV)

53-I -124

133

Radionuclide Production Cross Section



Radionuclide Production Cross Section

