

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

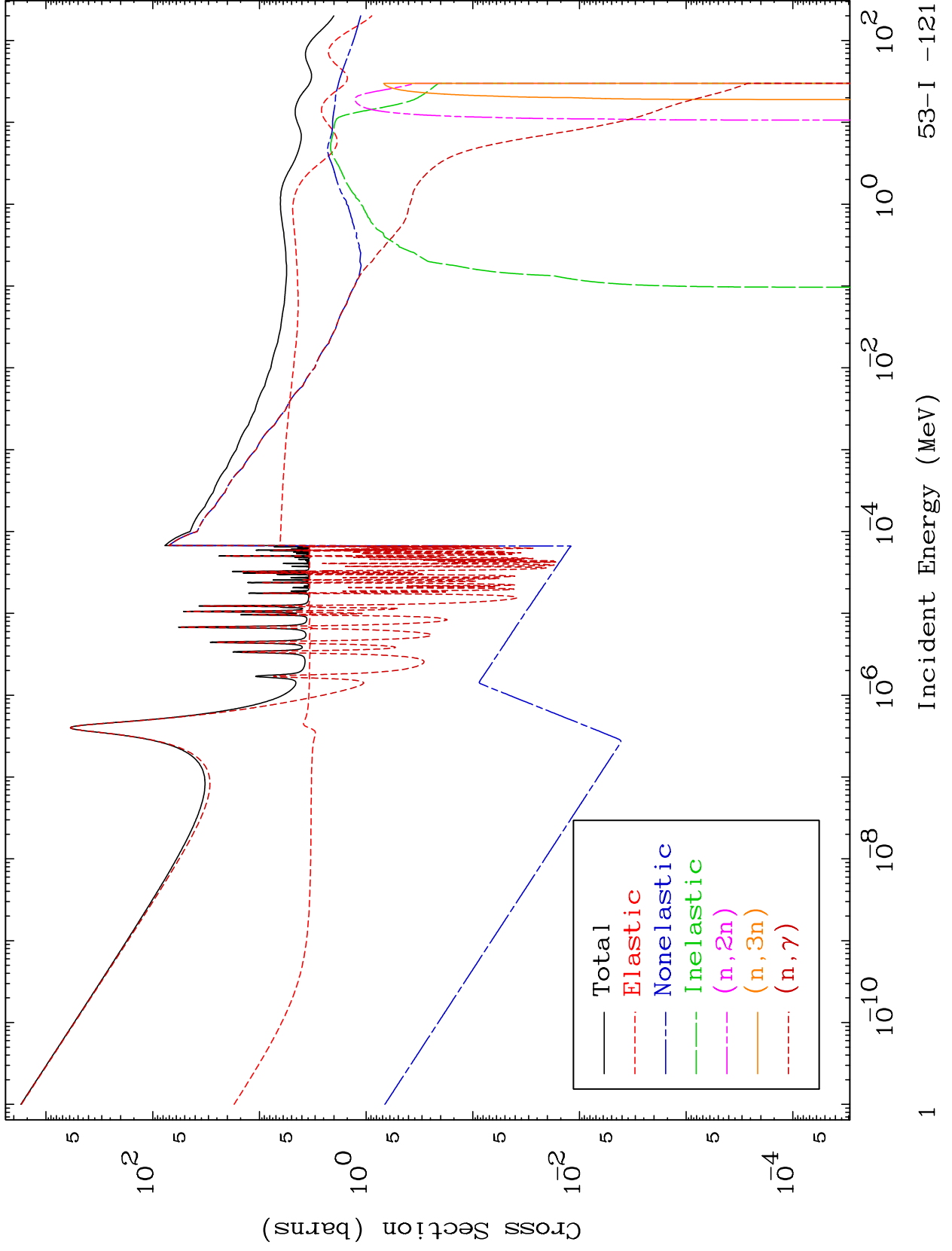
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

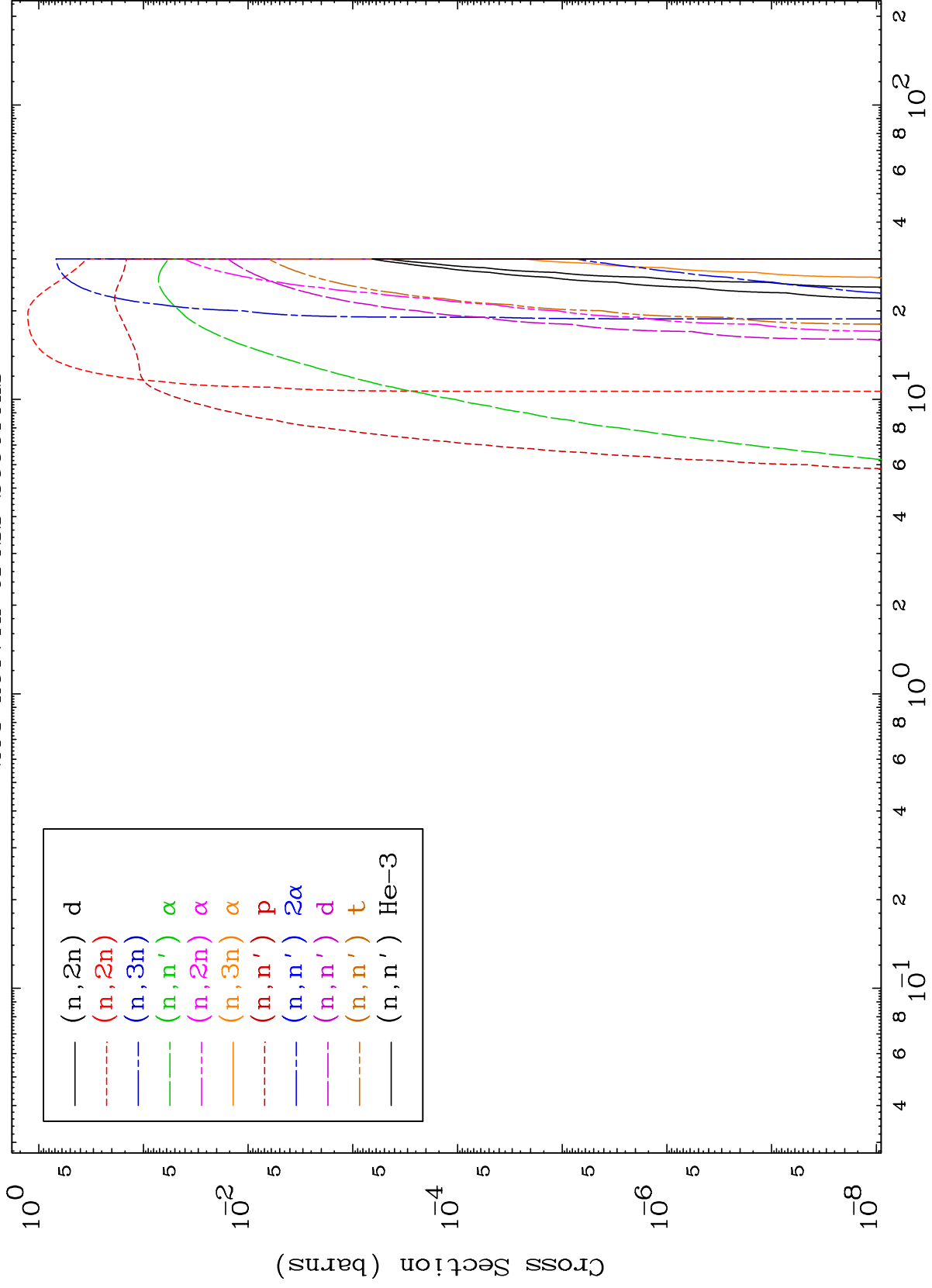
Tele: 925-443-1911

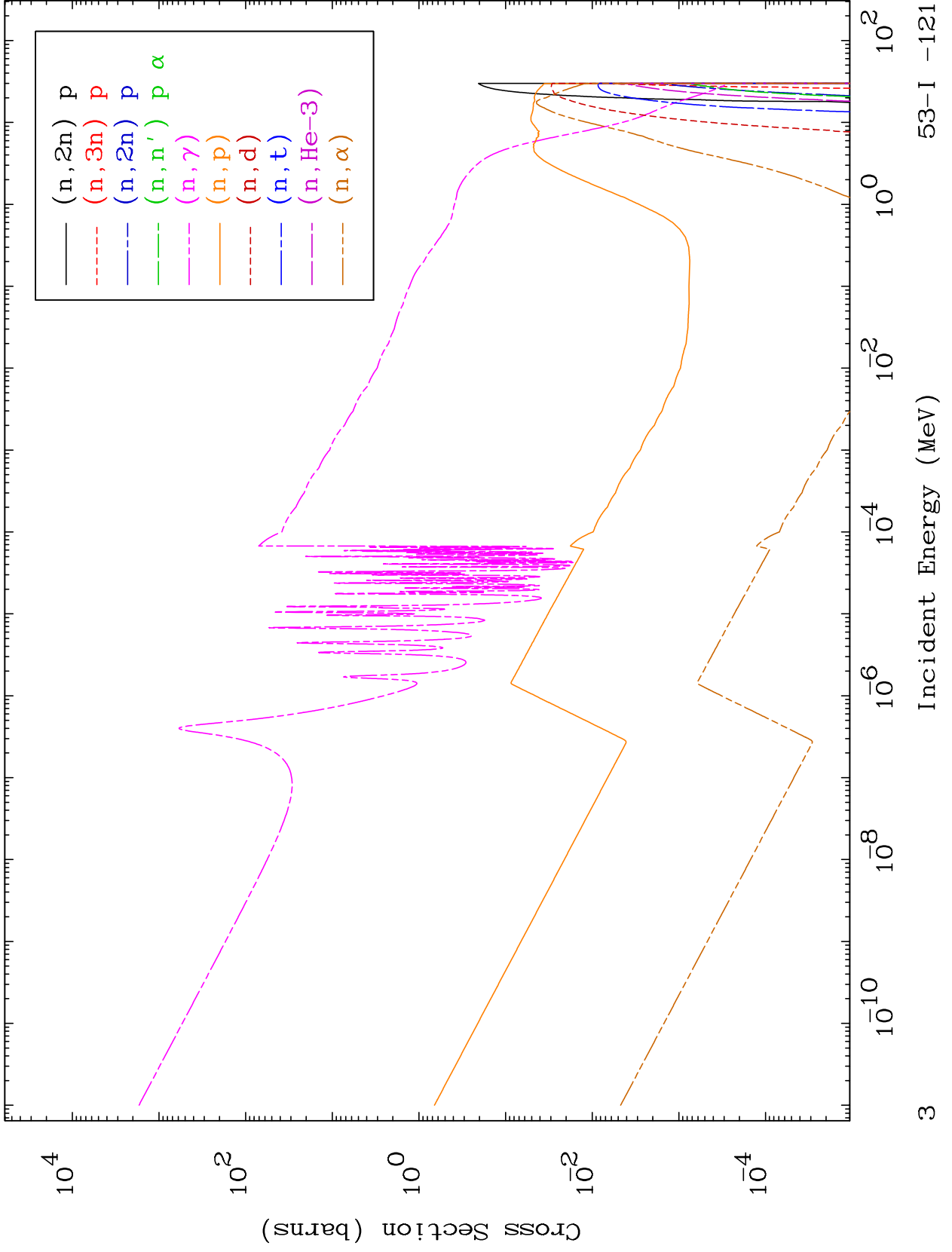
E.Mail: redcullen1@comcast.net

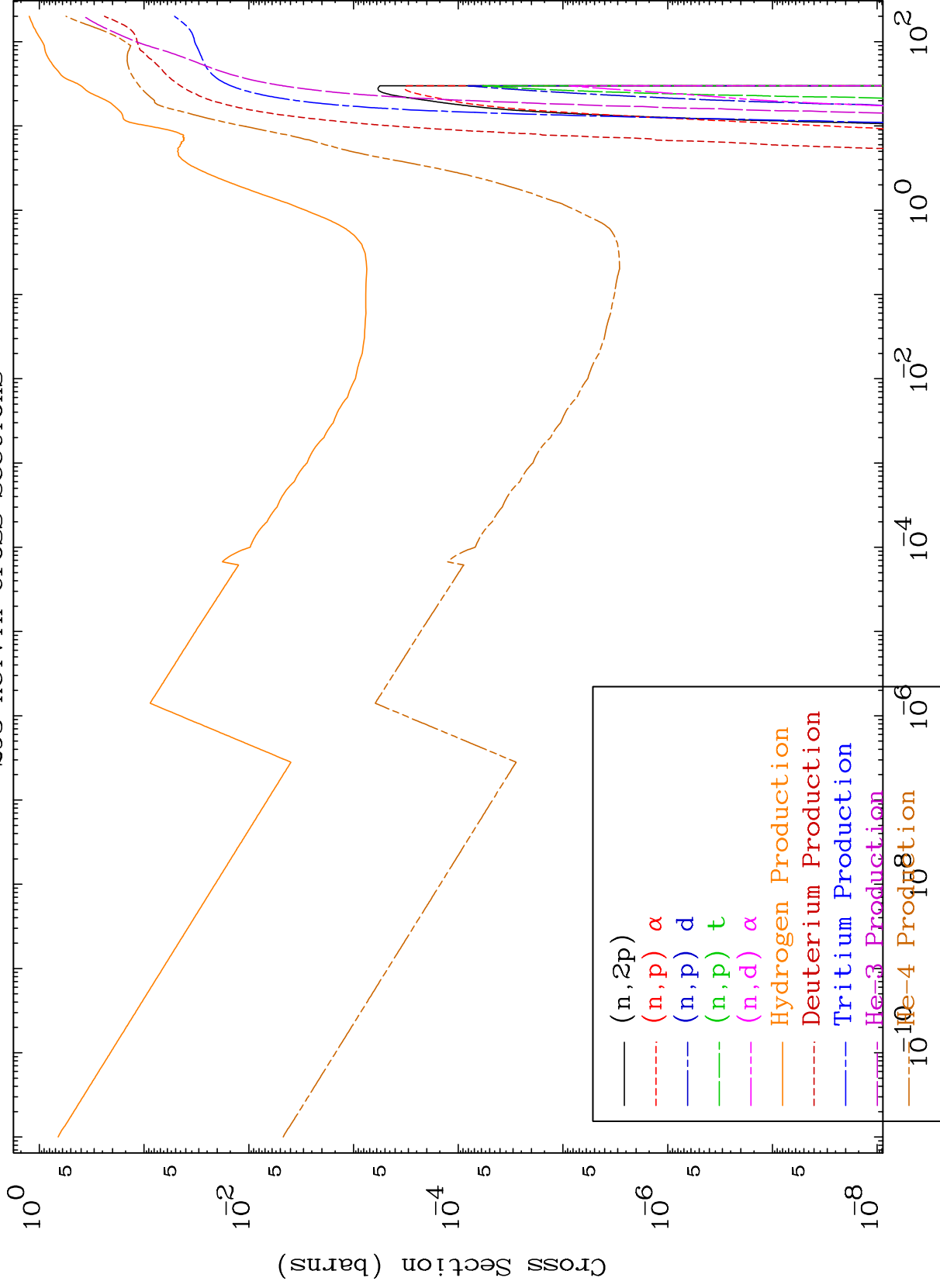
Web: redcullen1.net/HOMEPAGE.NEW

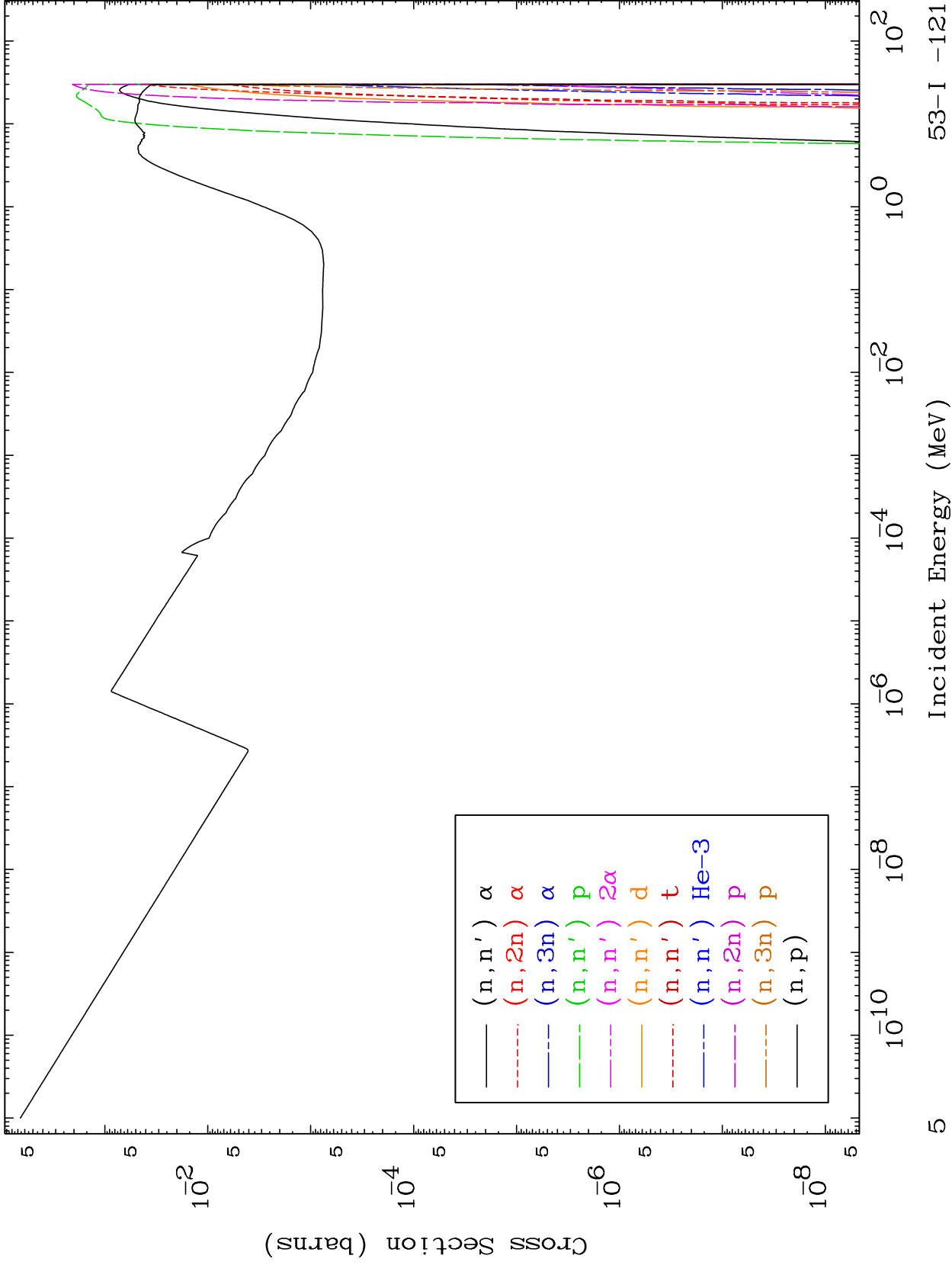
Press Mouse Button to Start

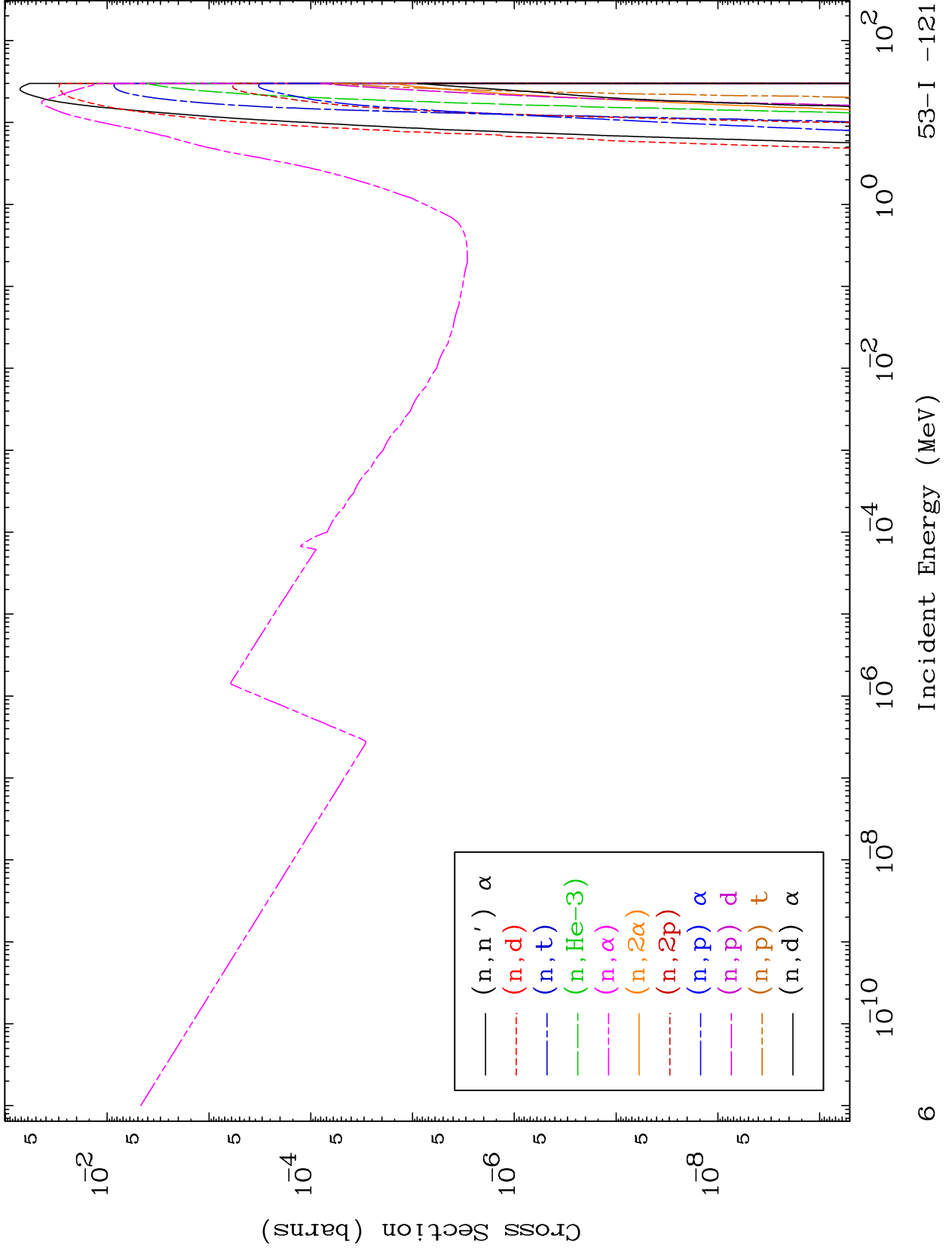


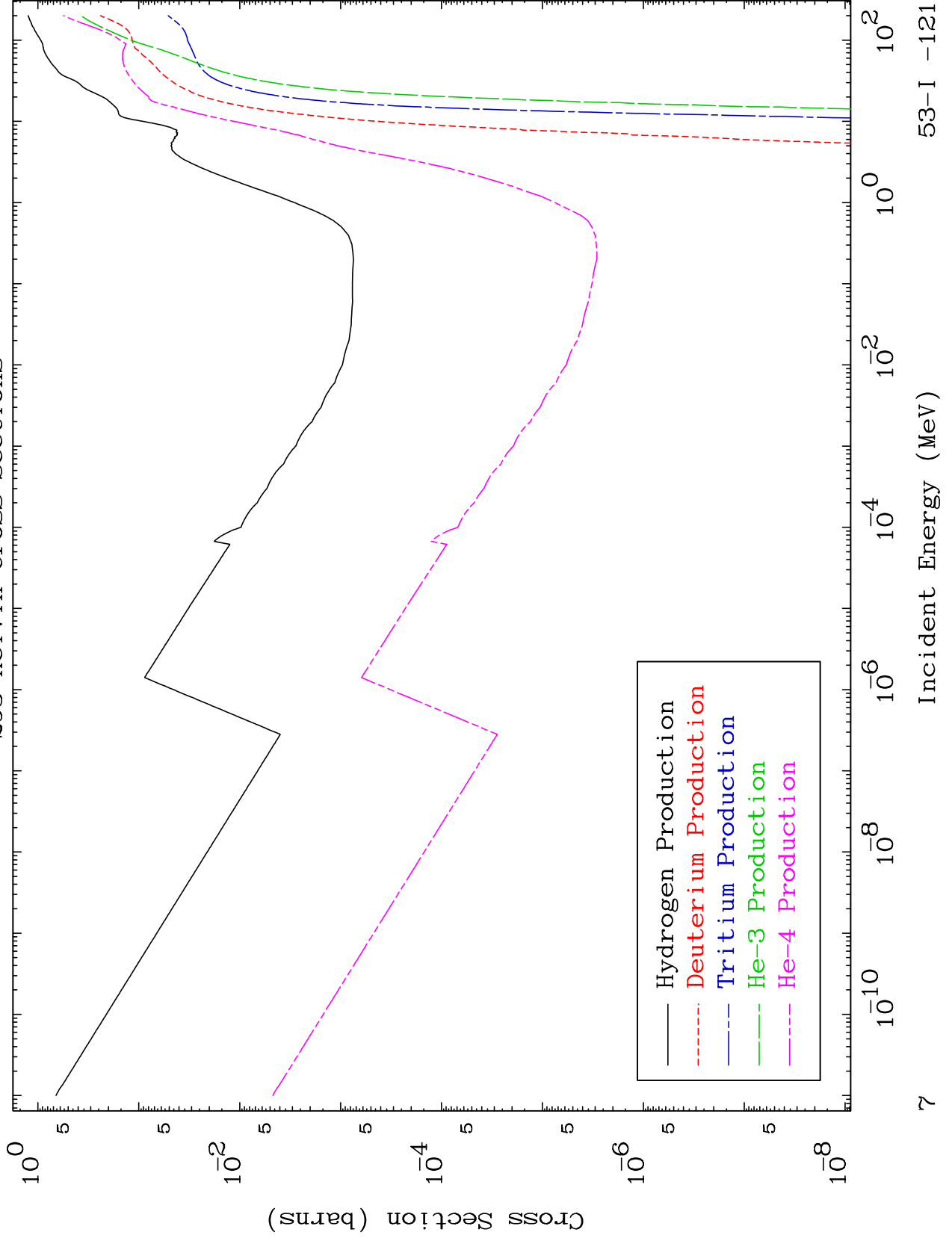


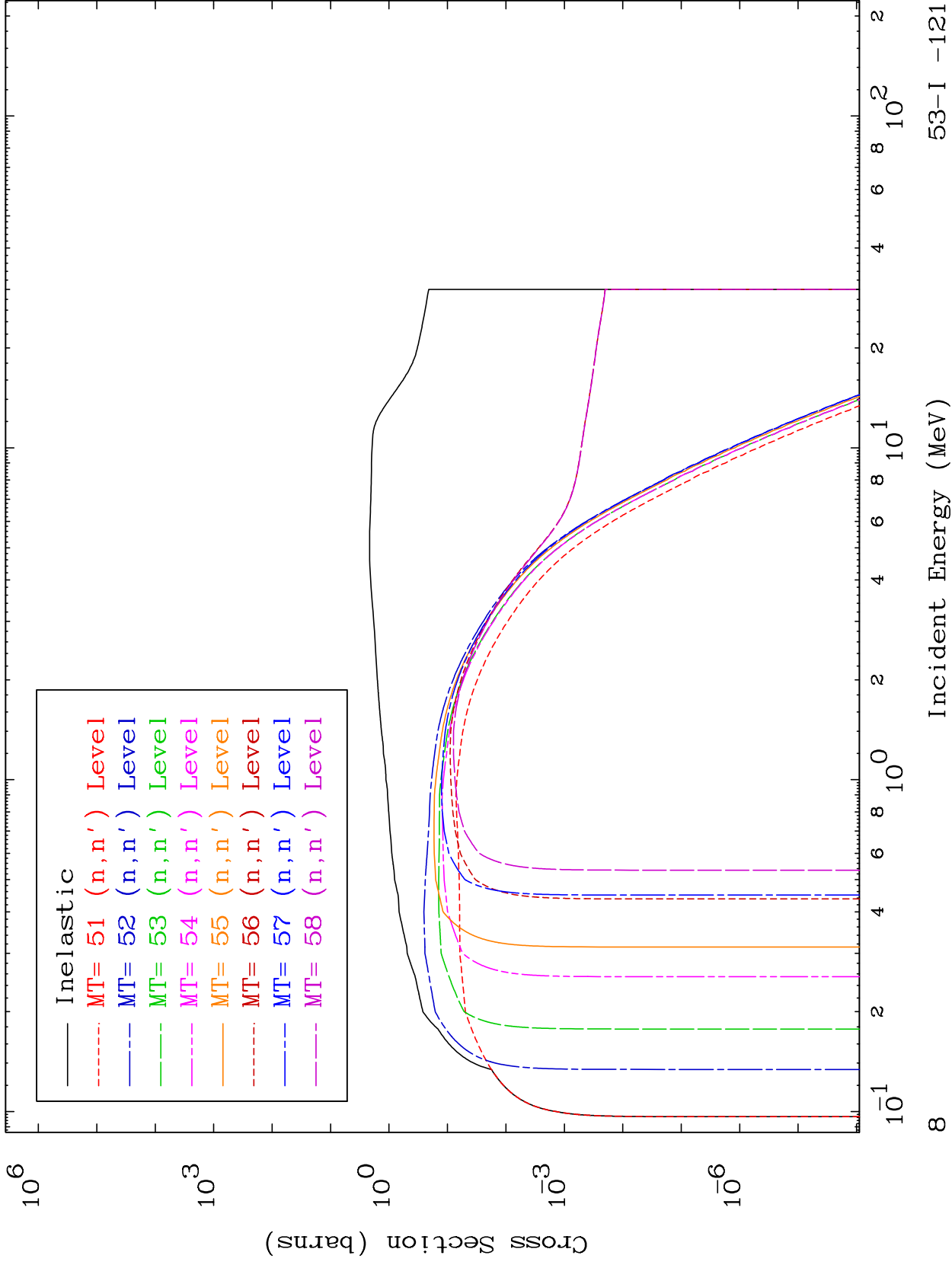


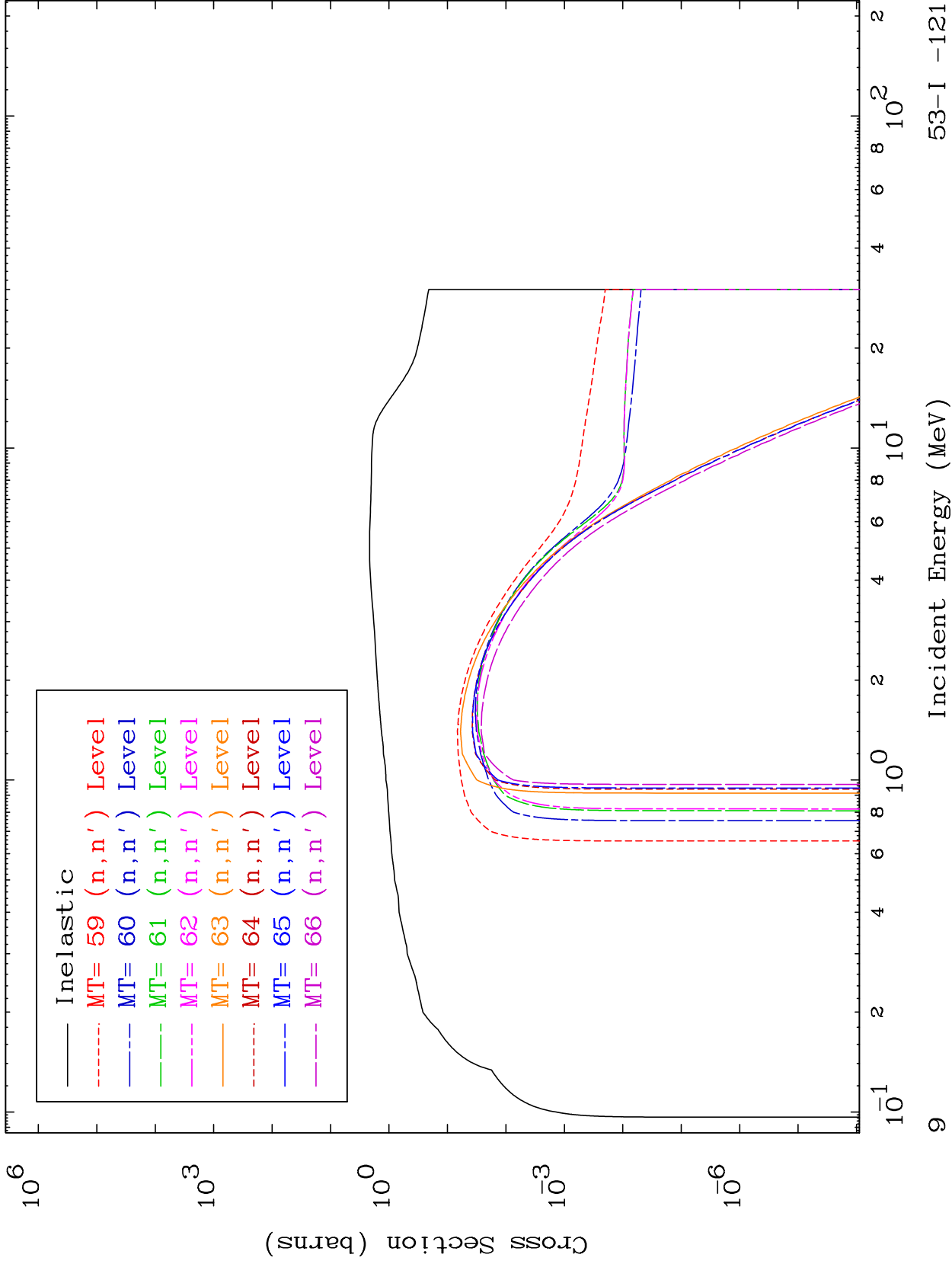








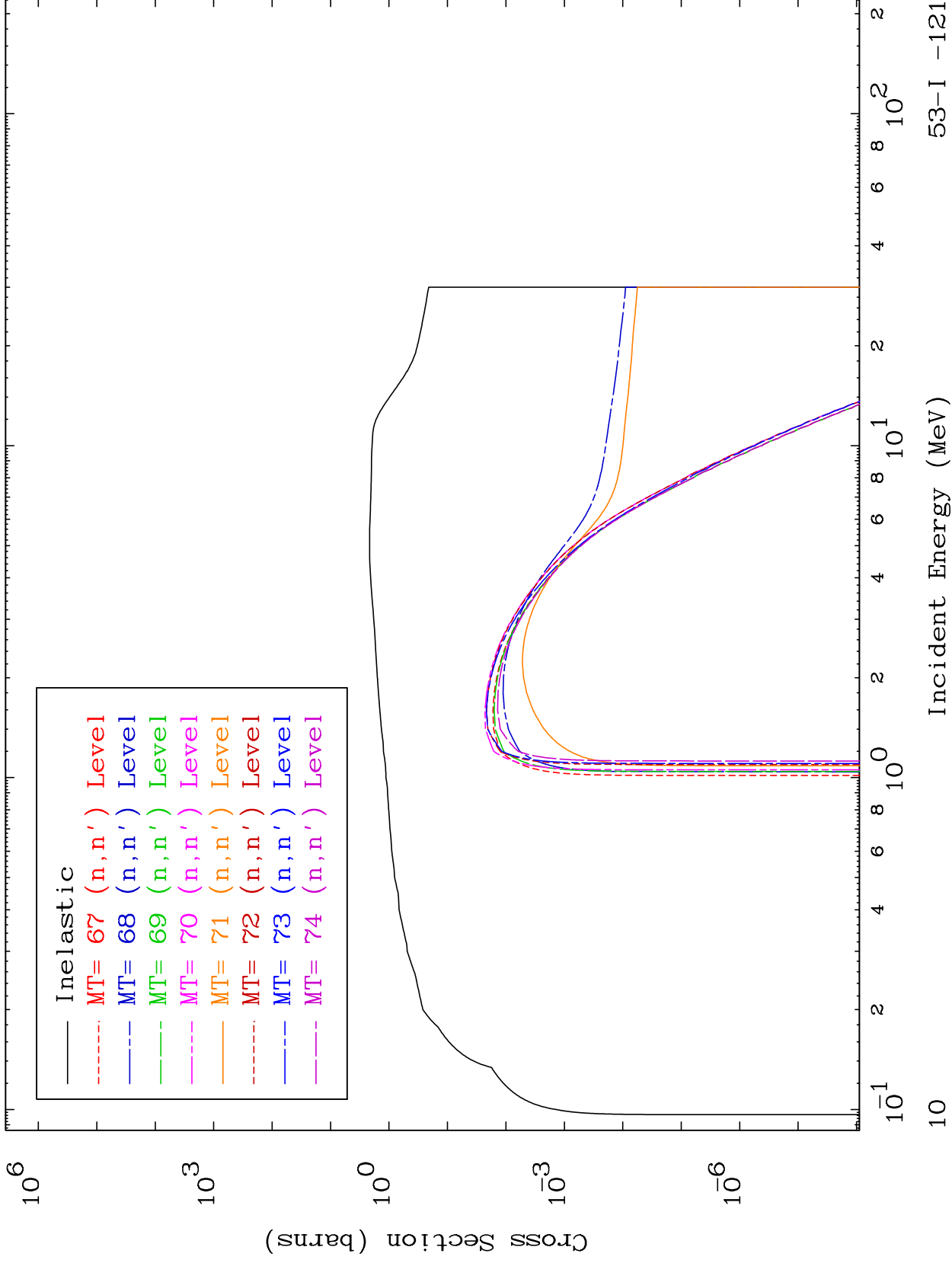




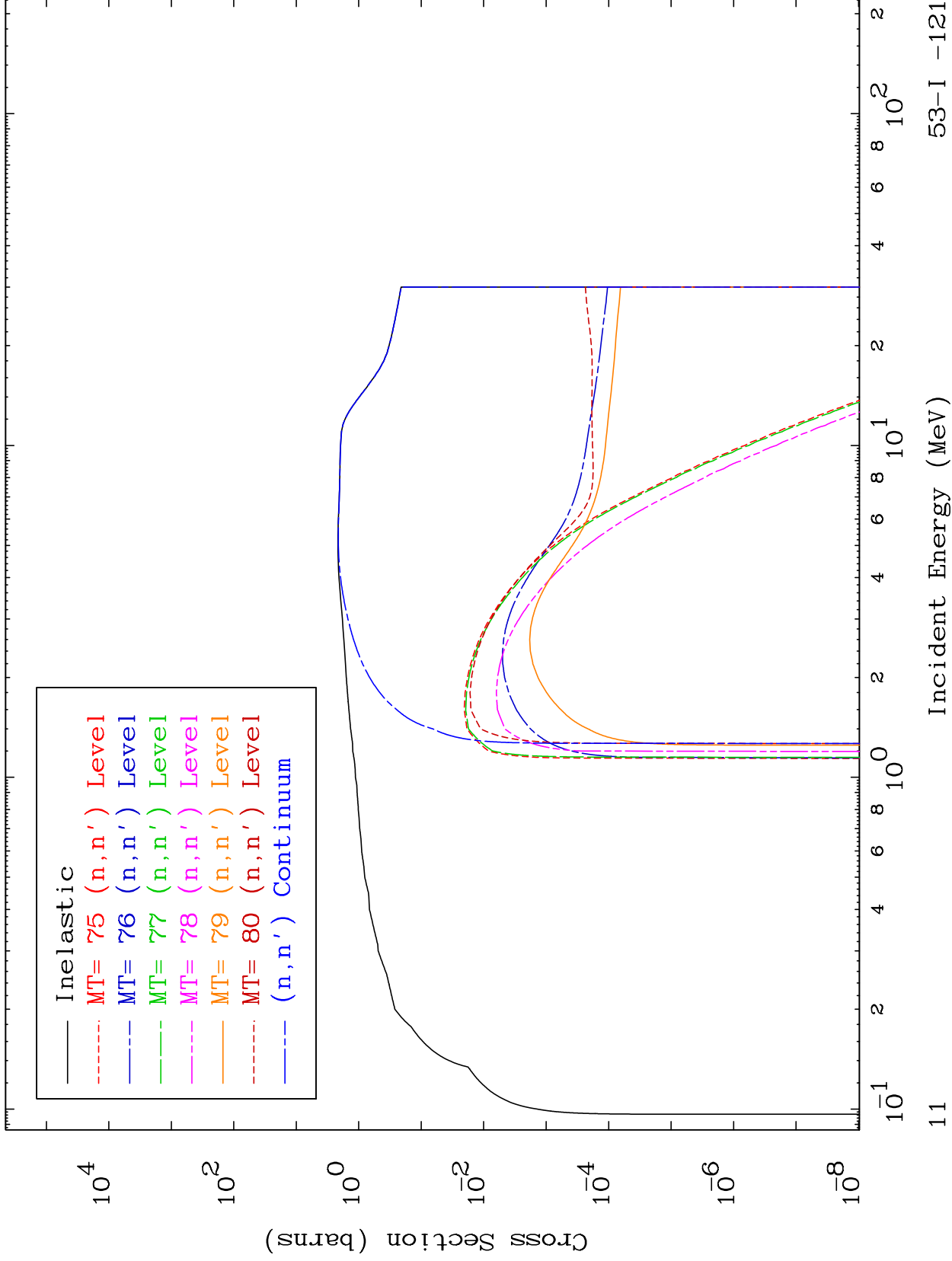
MAT 5307

(n,n') Levels
293 Kelvin Cross Sections

53-I -121



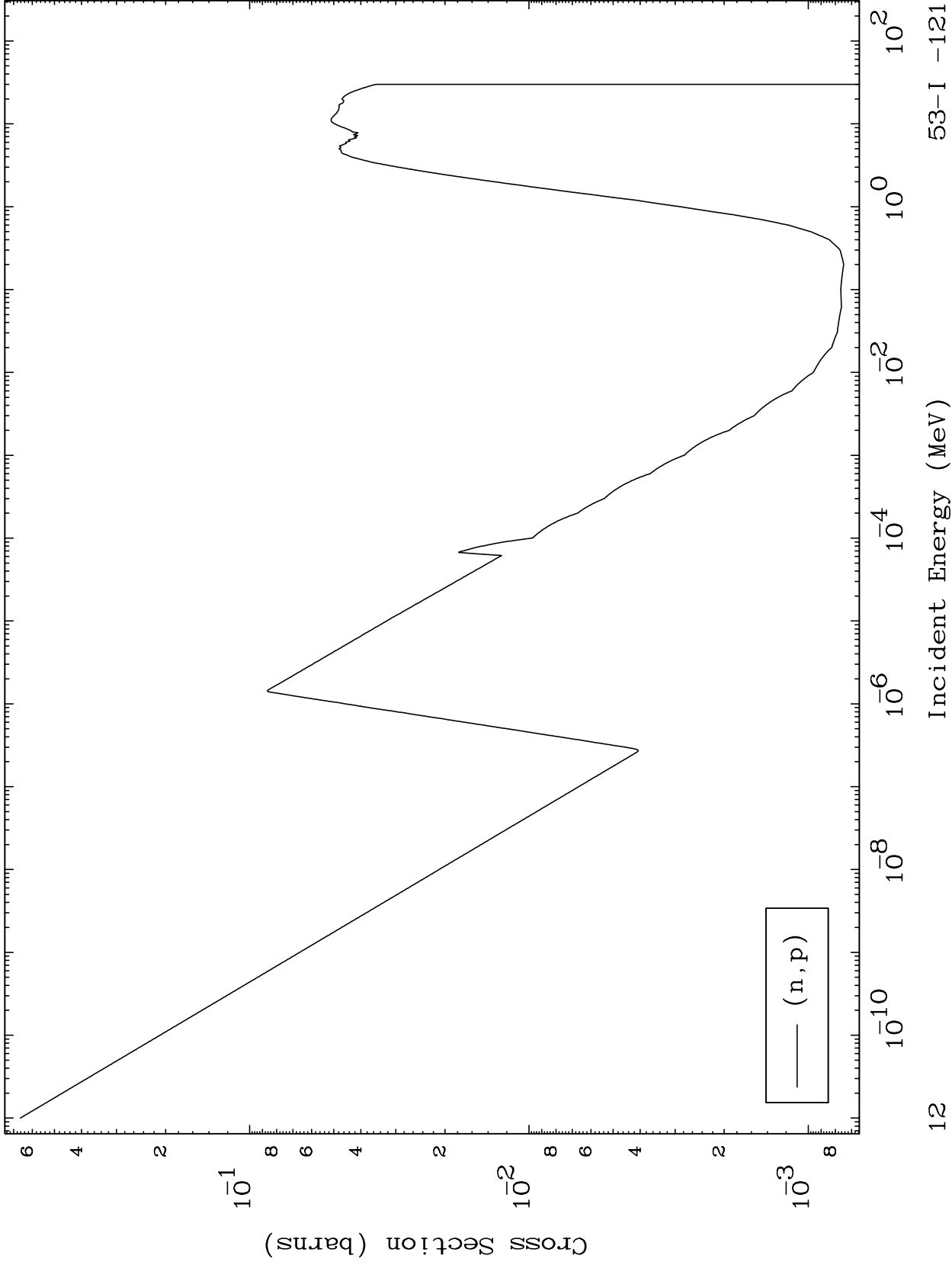
53-I -121

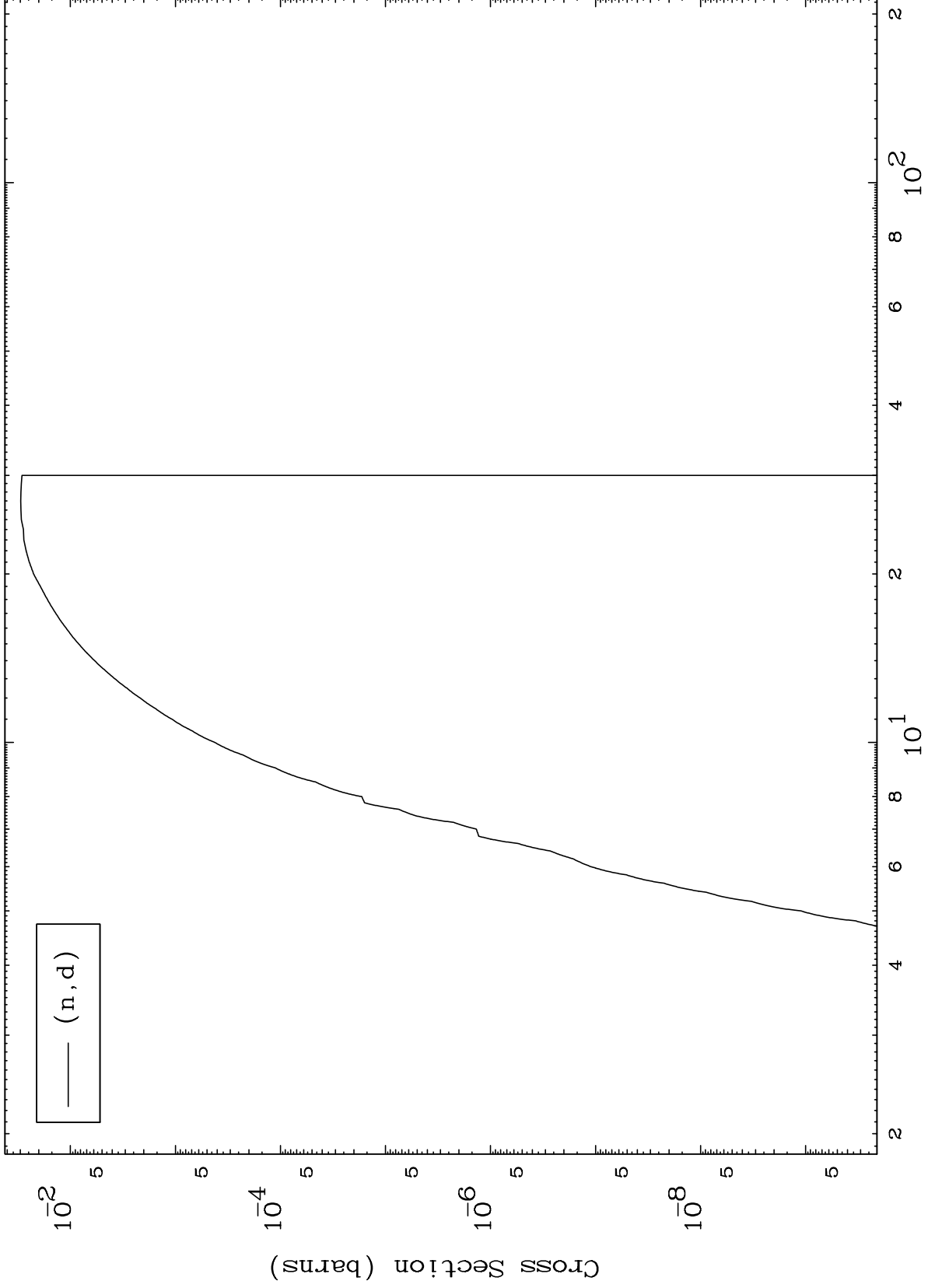


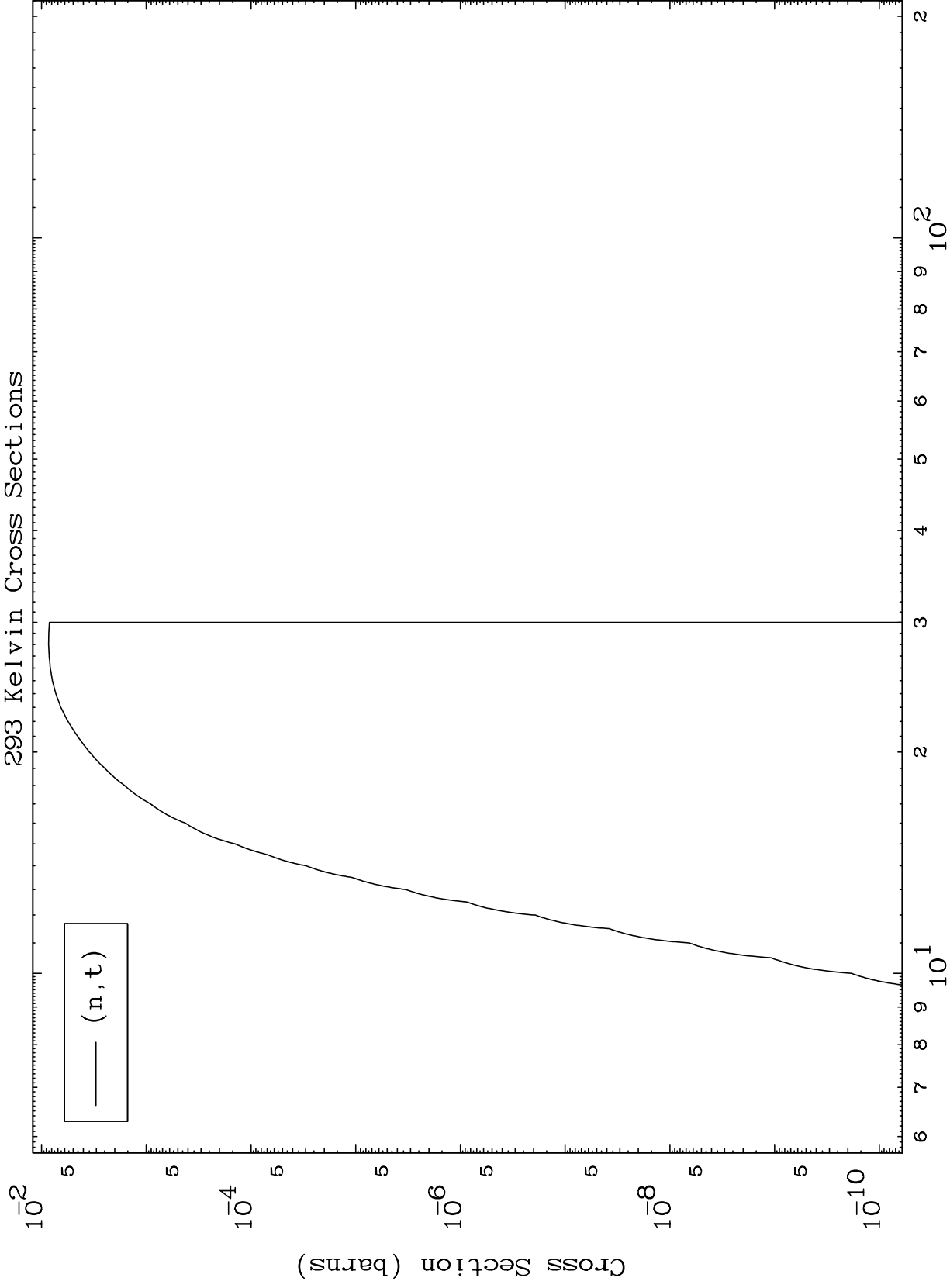
MAT 5307

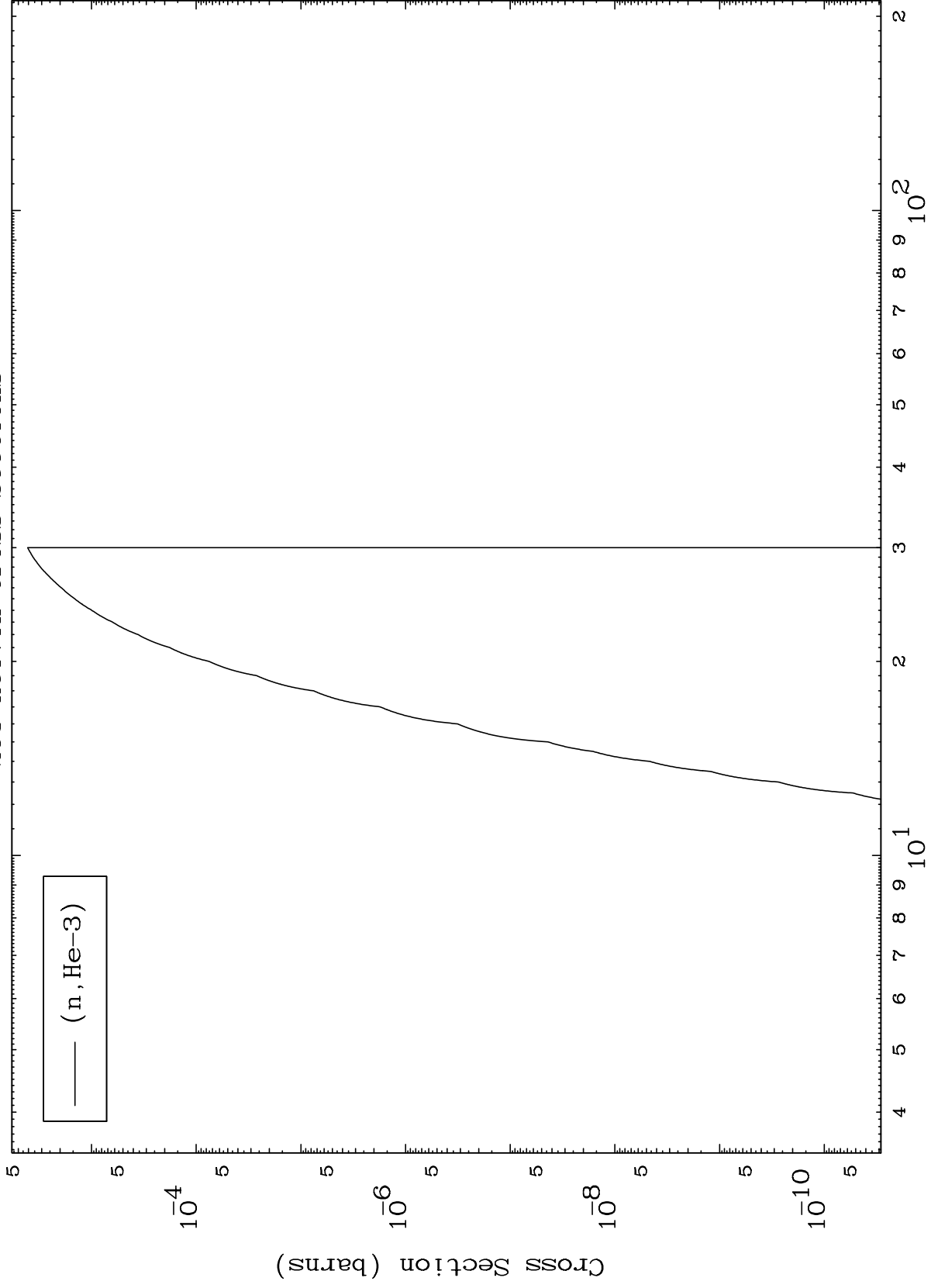
(n,p) Levels
293 Kelvin Cross Sections

53-I -121





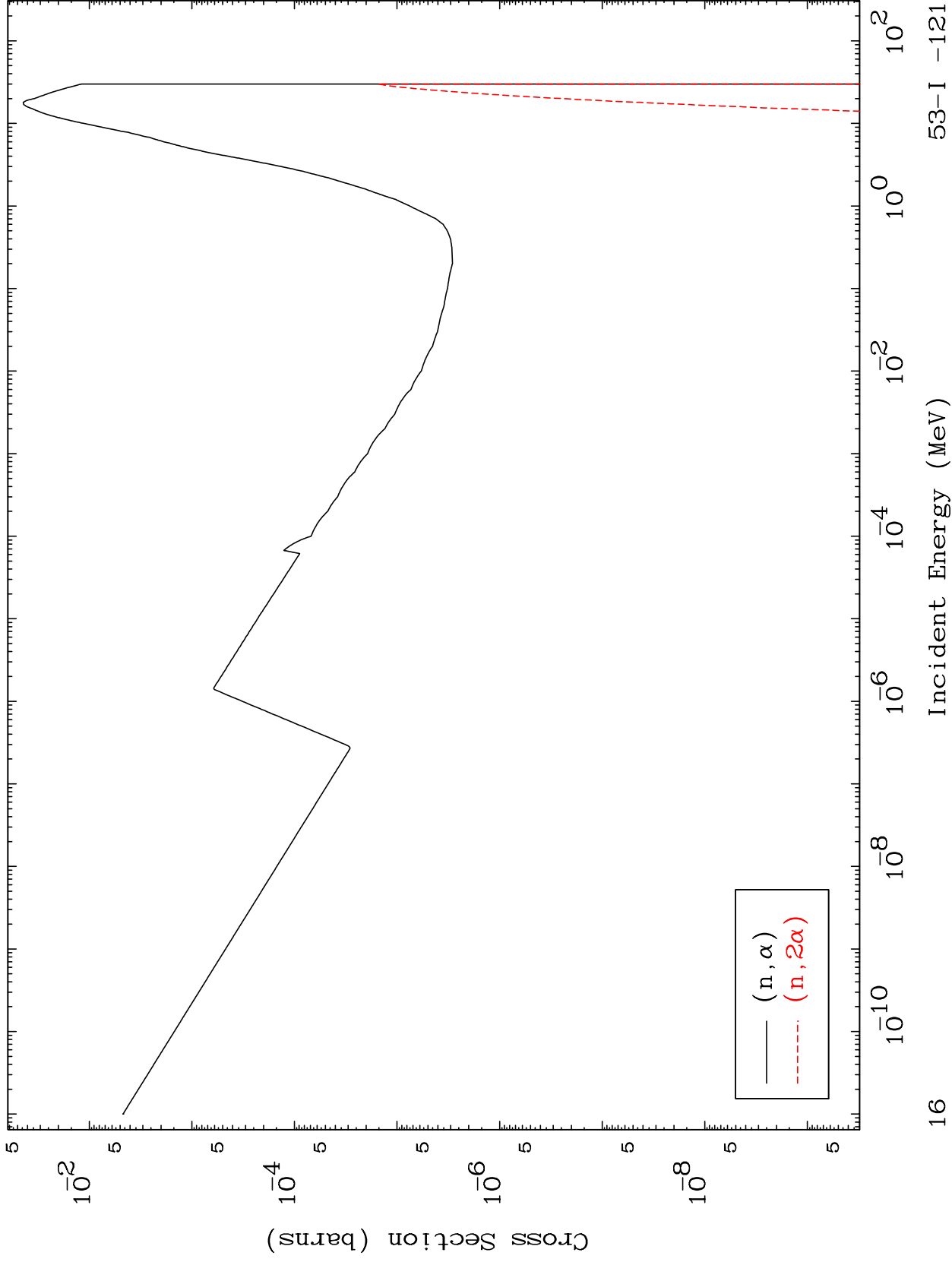




MAT 5307

(n,α) Levels
293 Kelvin Cross Sections

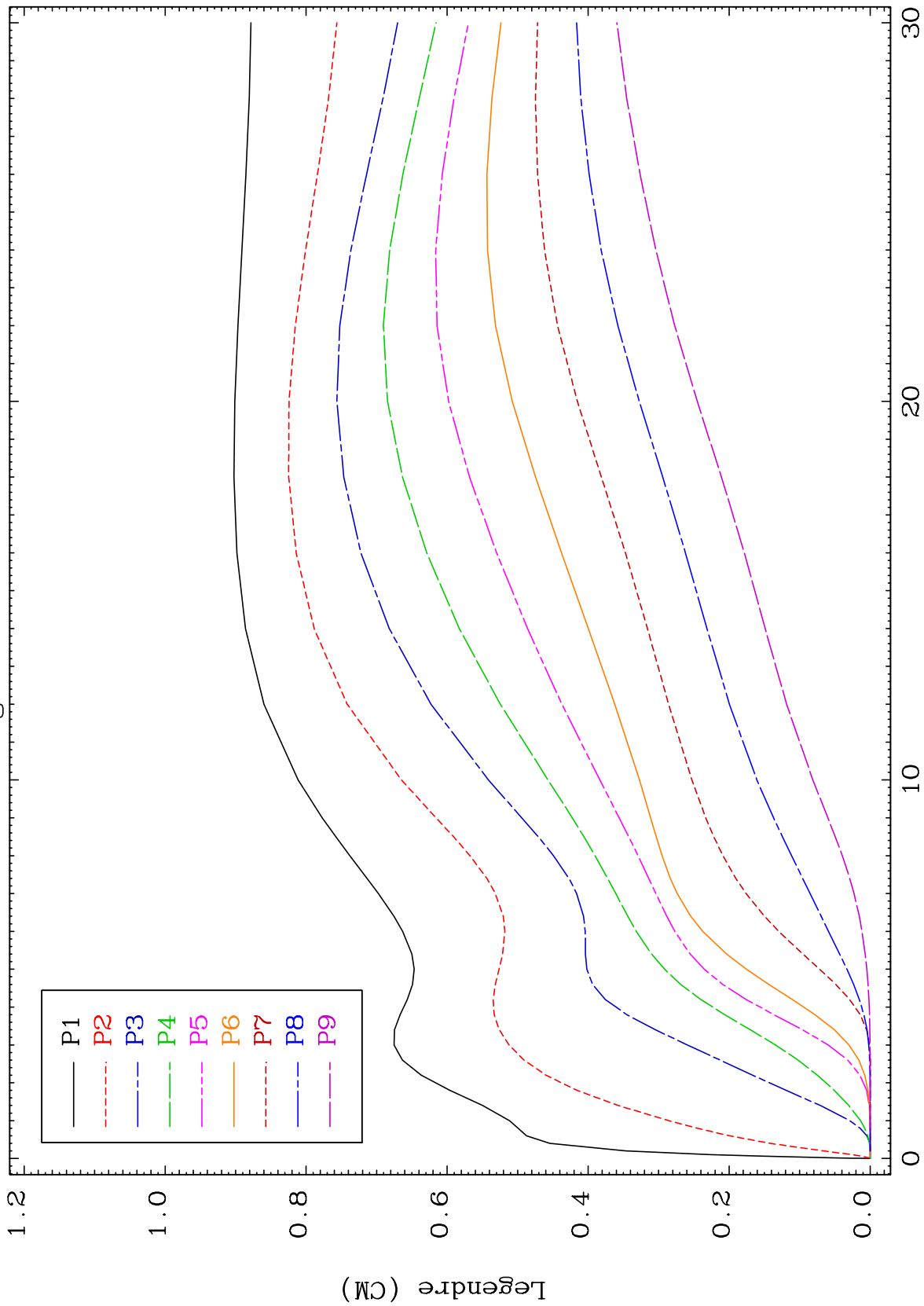
53-I -121



MAT 5307

Elastic Legendre Coefficients

53-I -121



17

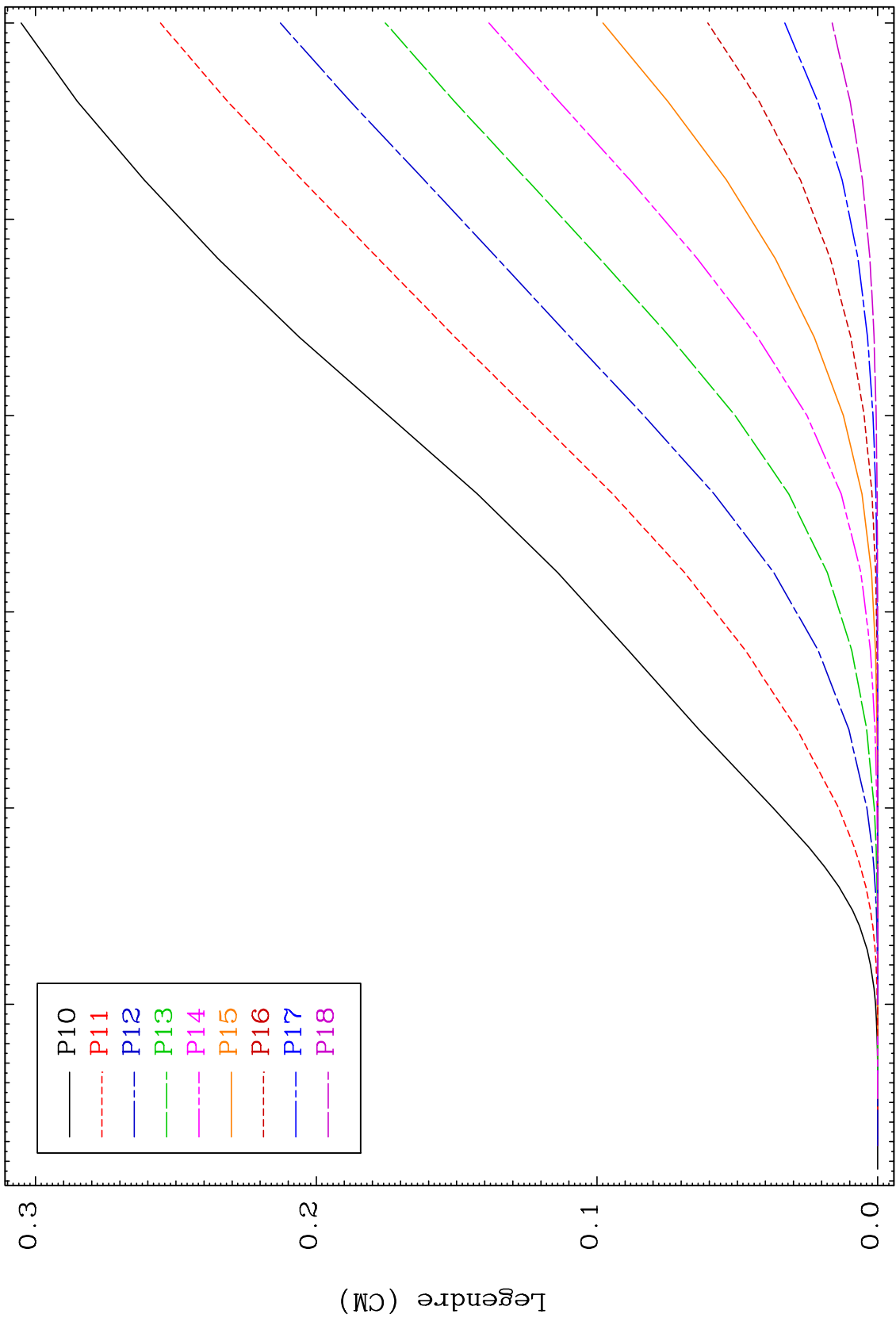
Incident Energy (MeV)

53-I -121

MAT 5307

Elastic Legendre Coefficients

53-I -121

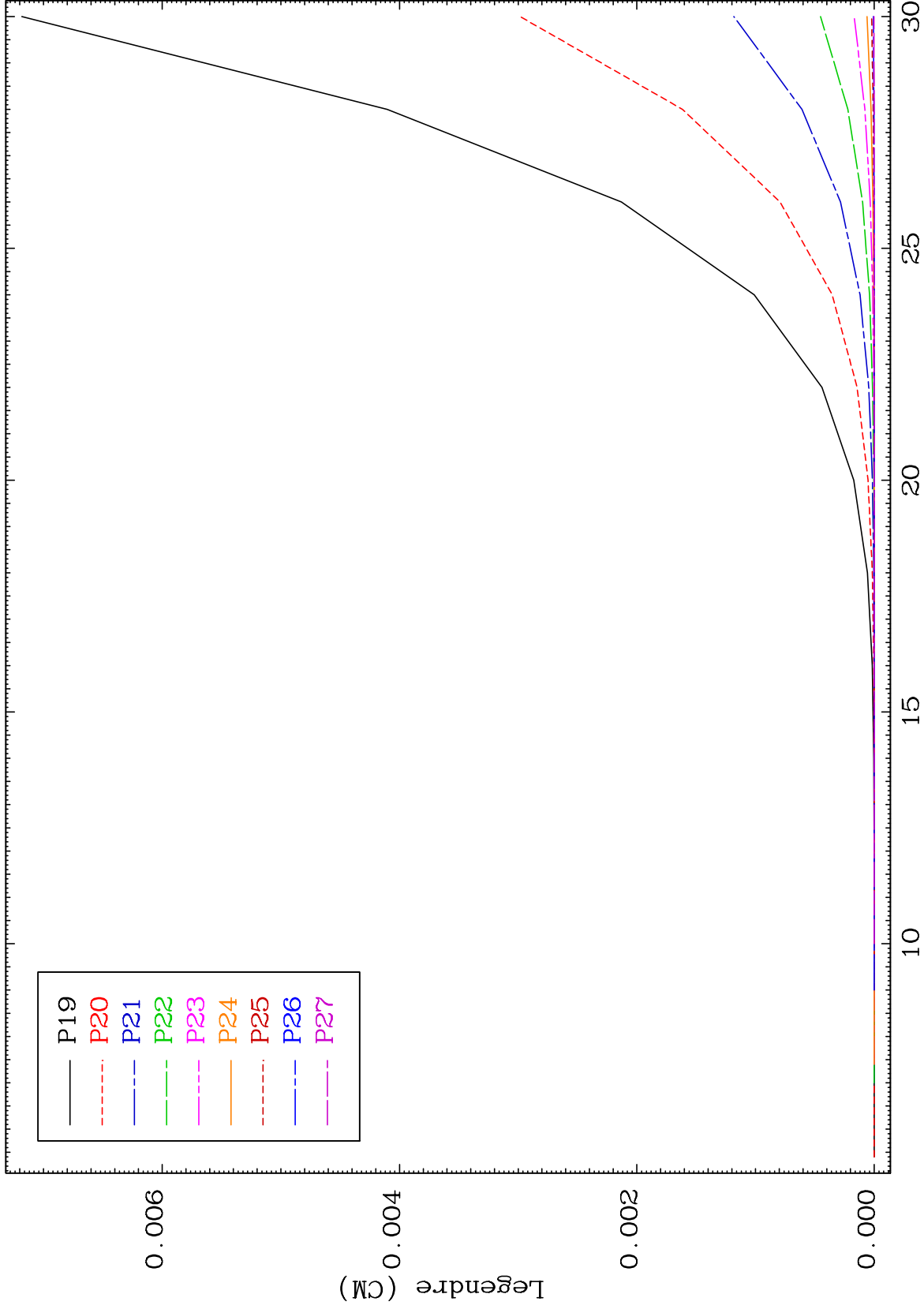


18

Incident Energy (MeV)

53-I -121

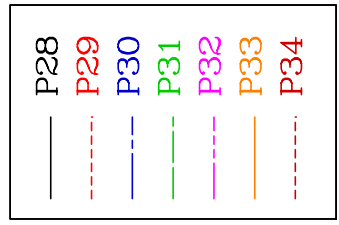
Elastic Legendre Coefficients



MAT 5307

Elastic Legendre Coefficients

53-I -121



$\times 10^{-7}$

Legendre (CM)

10

15

20

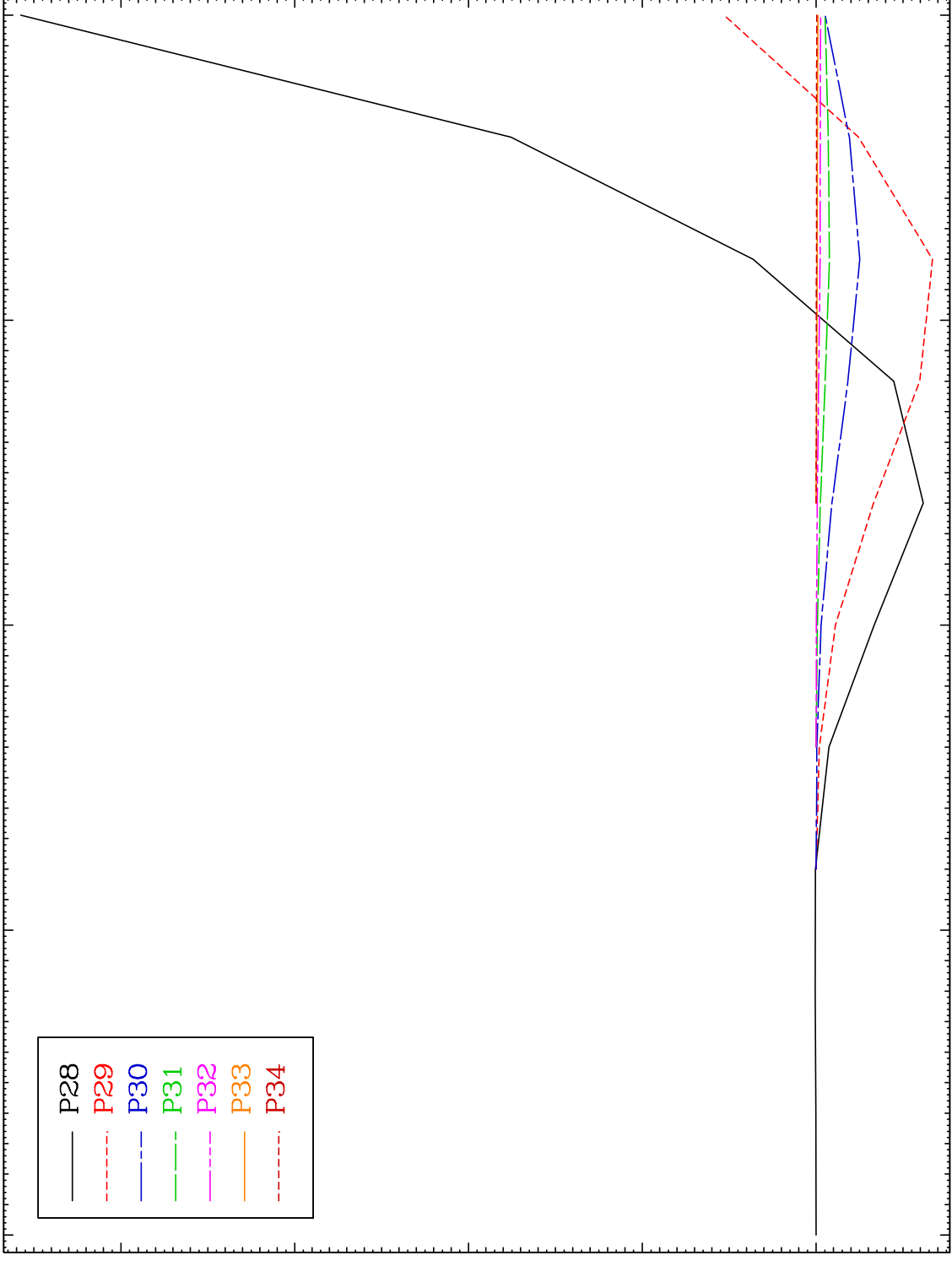
25

30

20

Incident Energy (MeV)

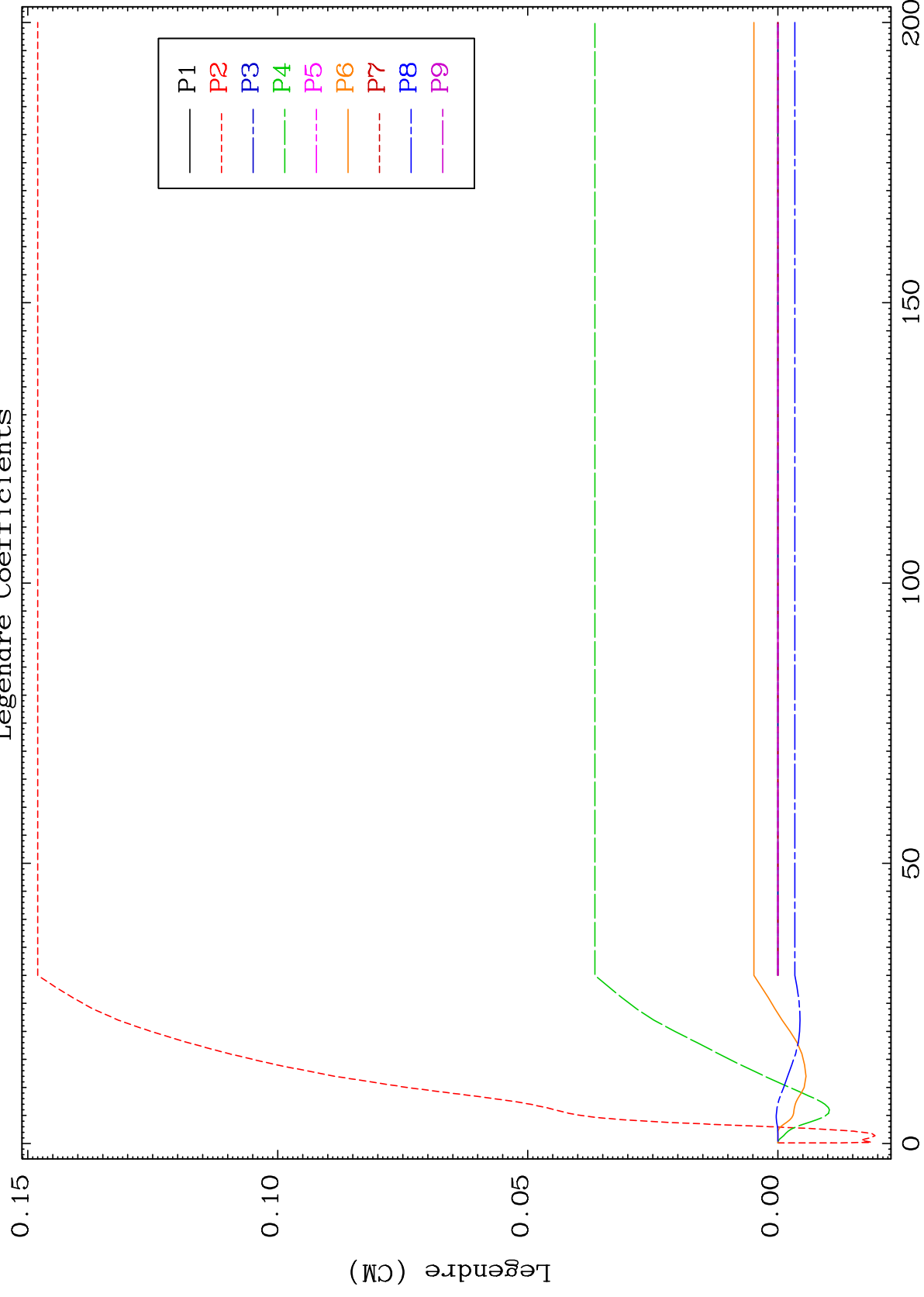
53-I -121



MAT 5307

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

53-I -121



21

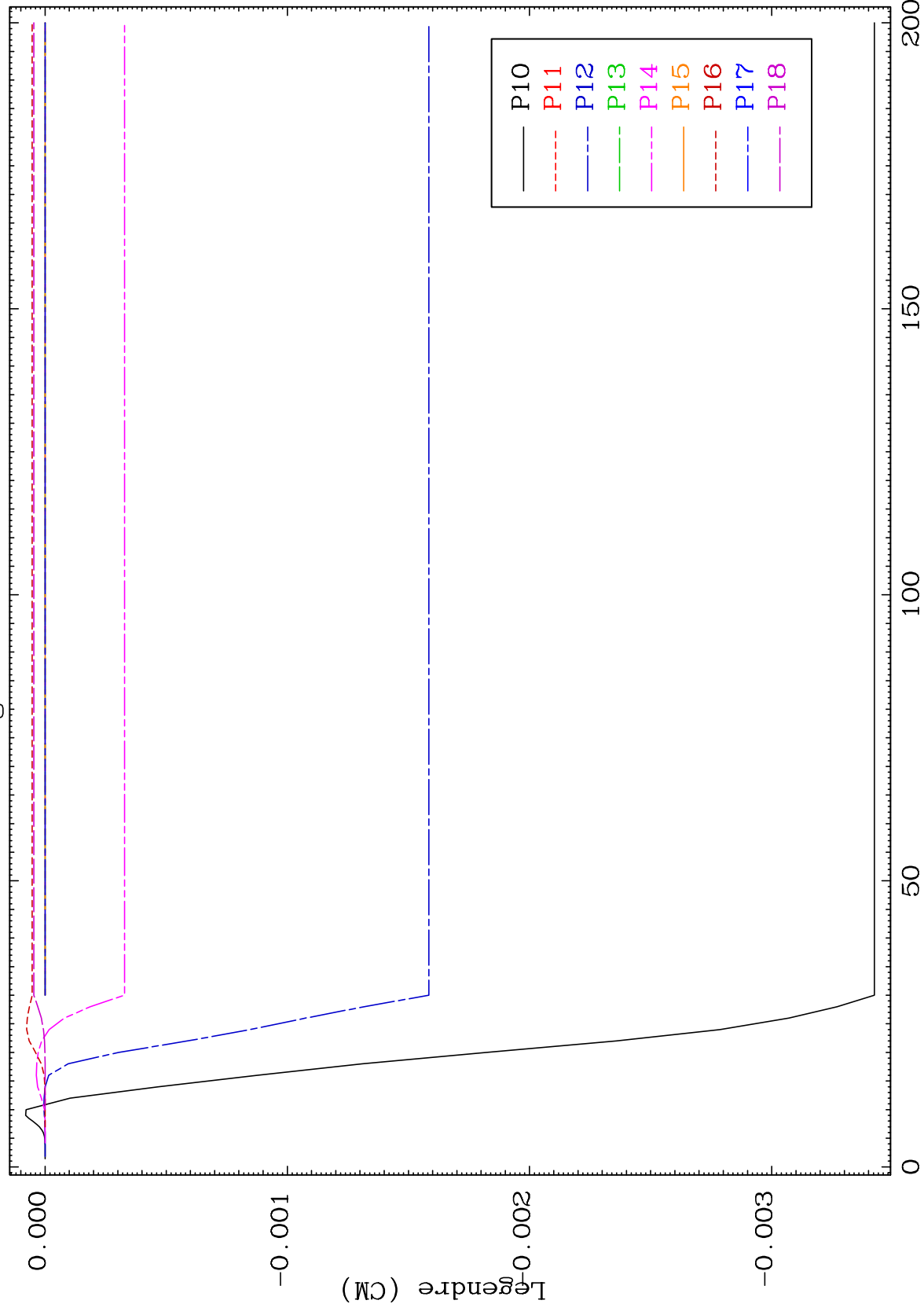
Incident Energy (MeV)

53-I -121

MAT 5307

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

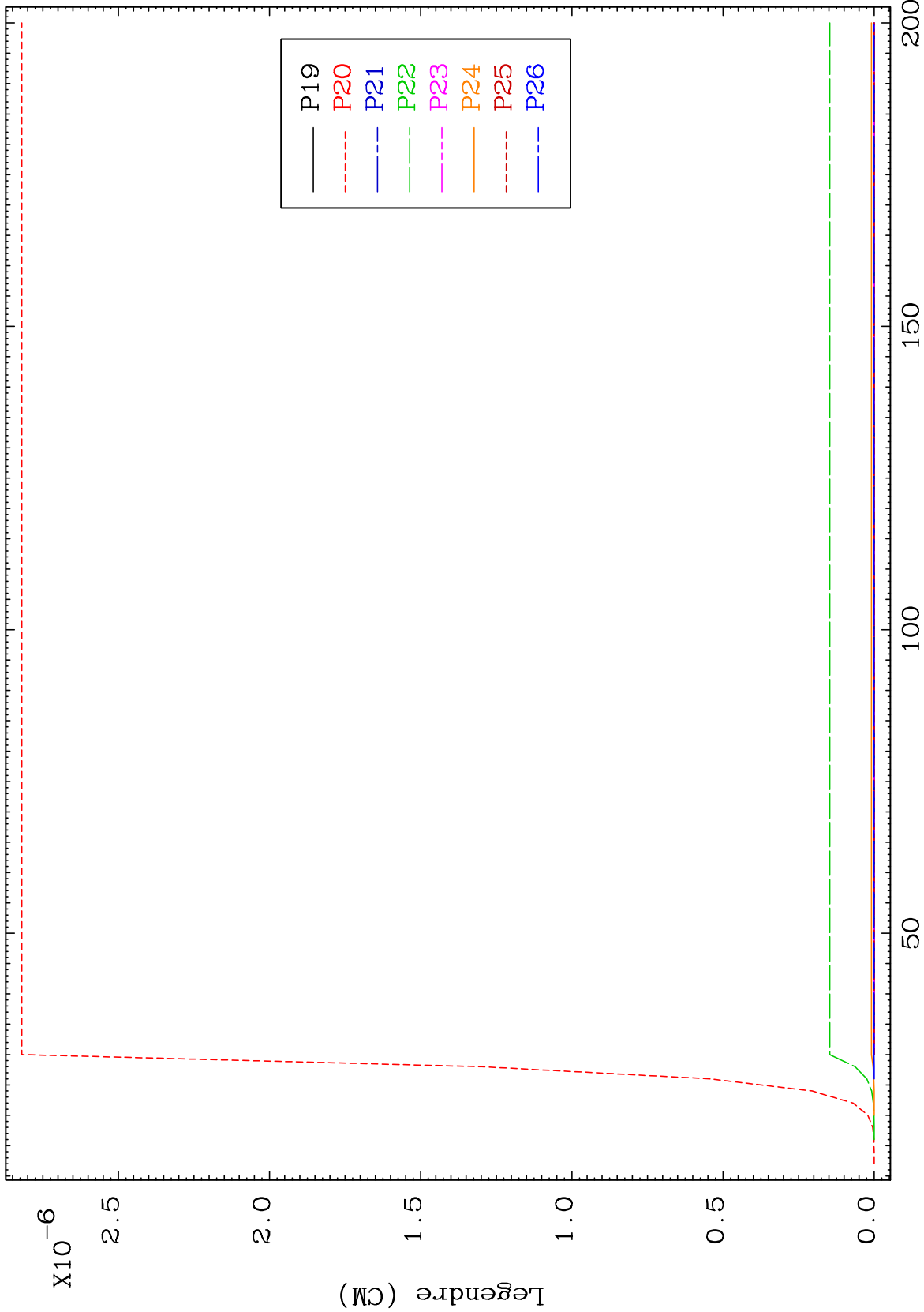
53-I -121



22

Incident Energy (MeV)

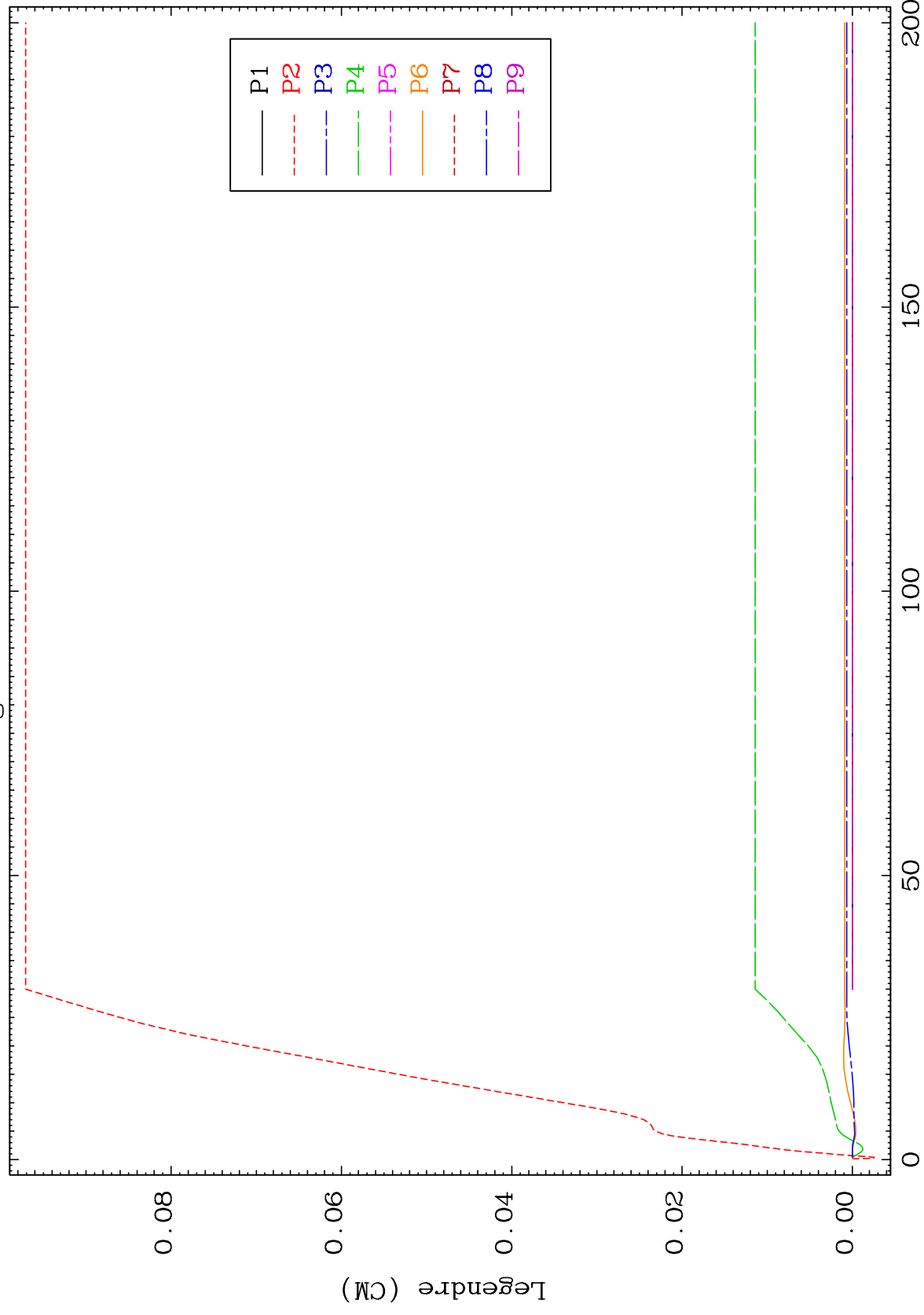
53-I -121



MAT 5307

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

53-I -121



24

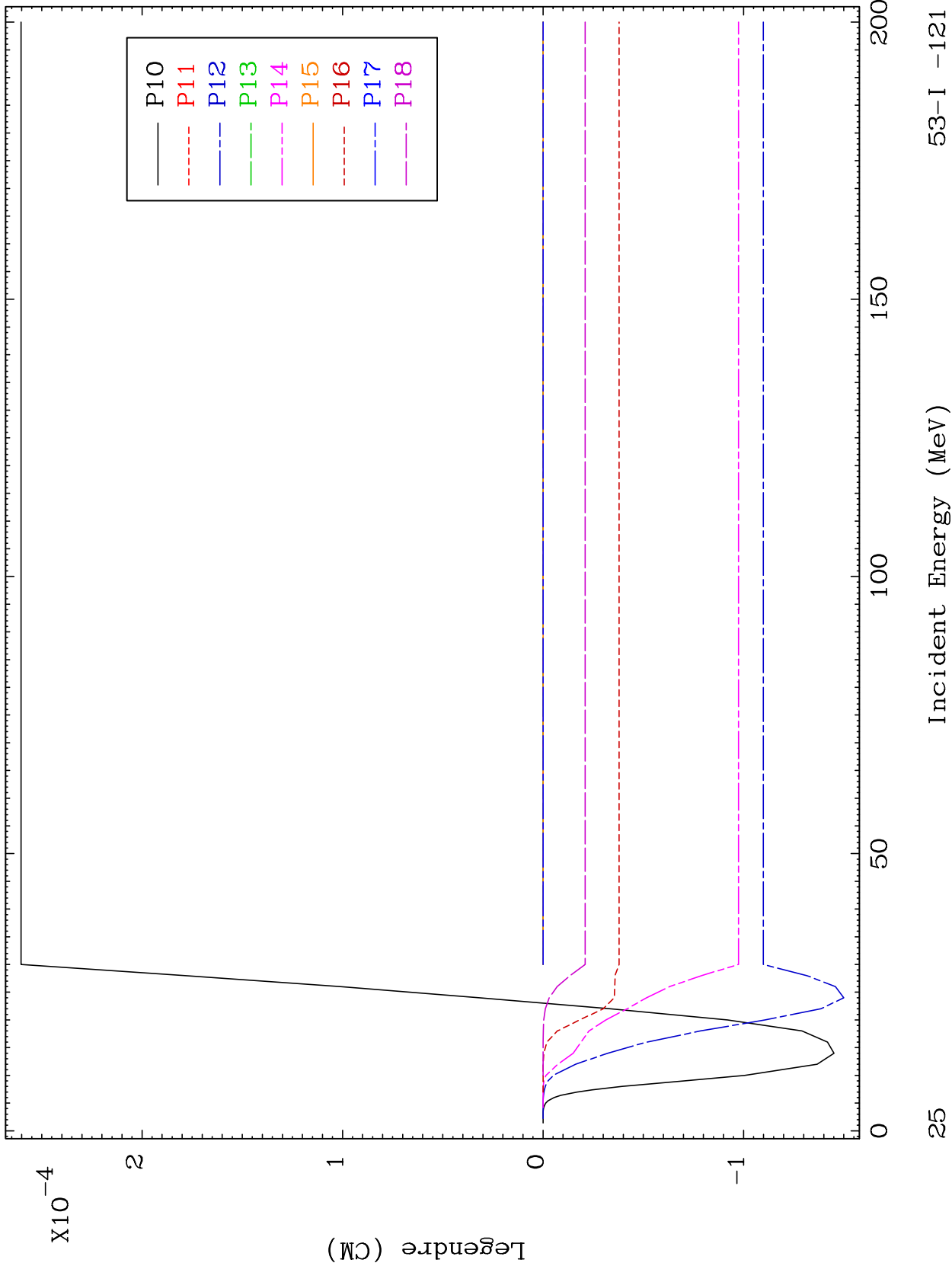
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121

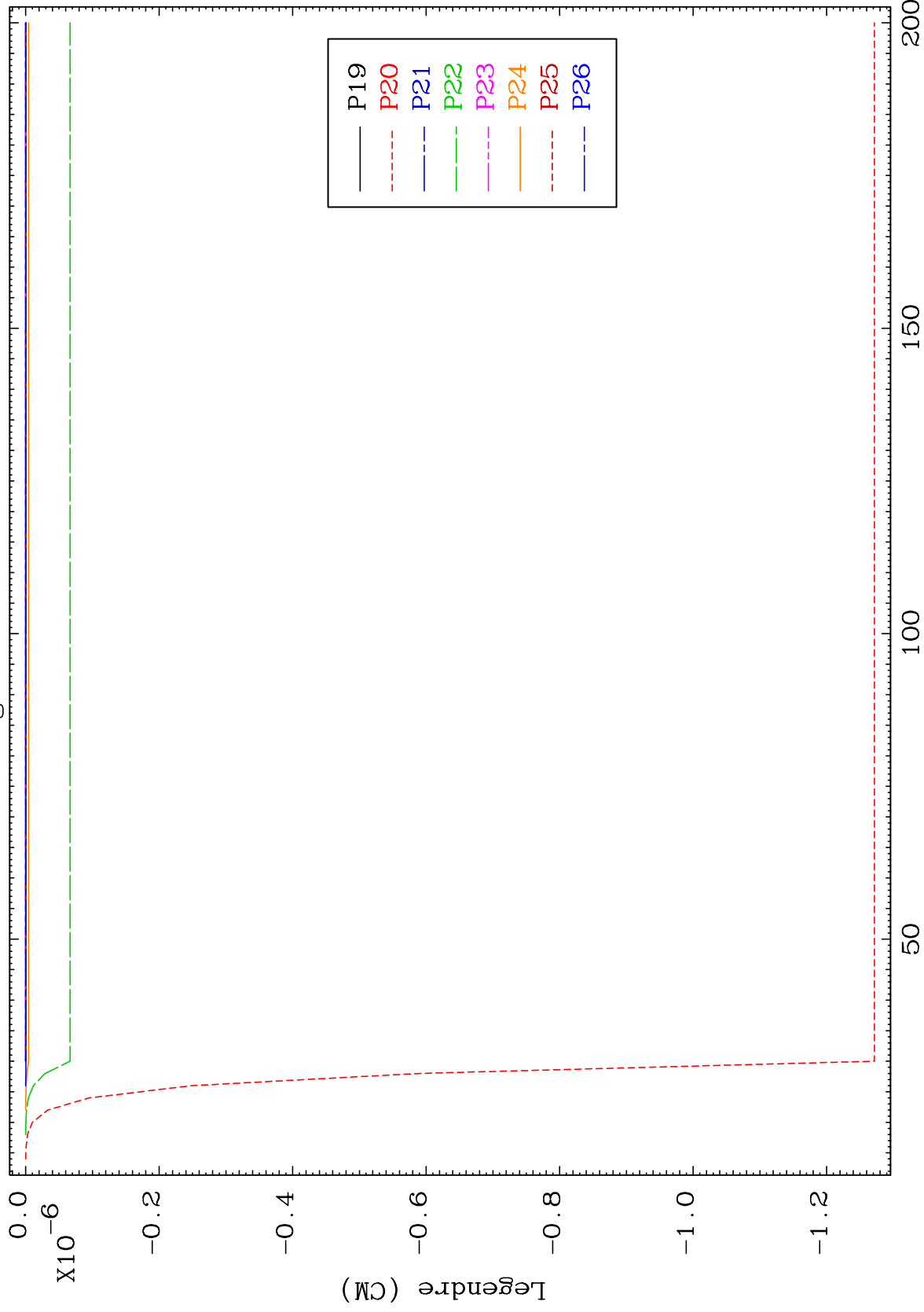


53-I -121

MAT 5307

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

53-I -121



26

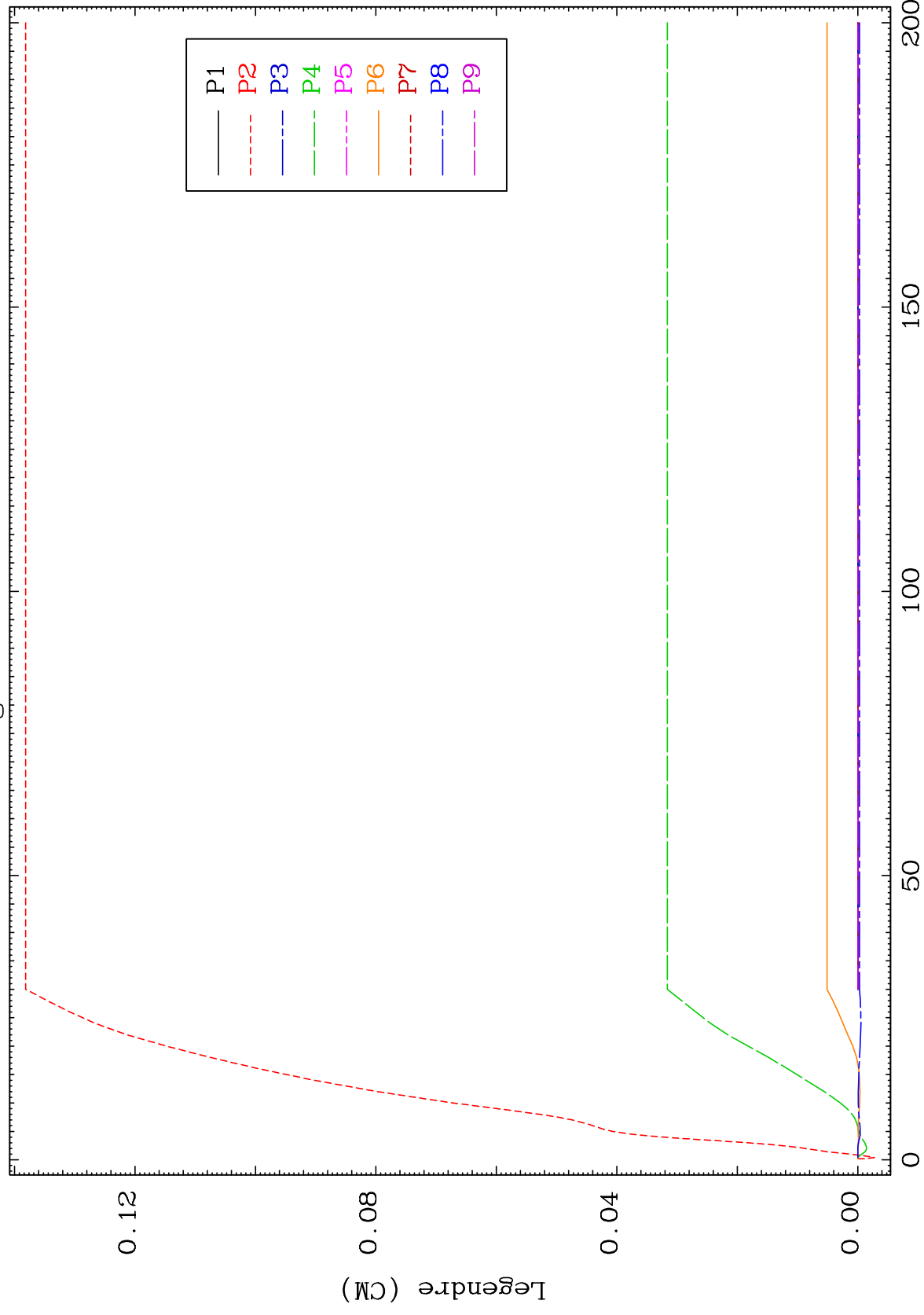
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



27

Incident Energy (MeV)

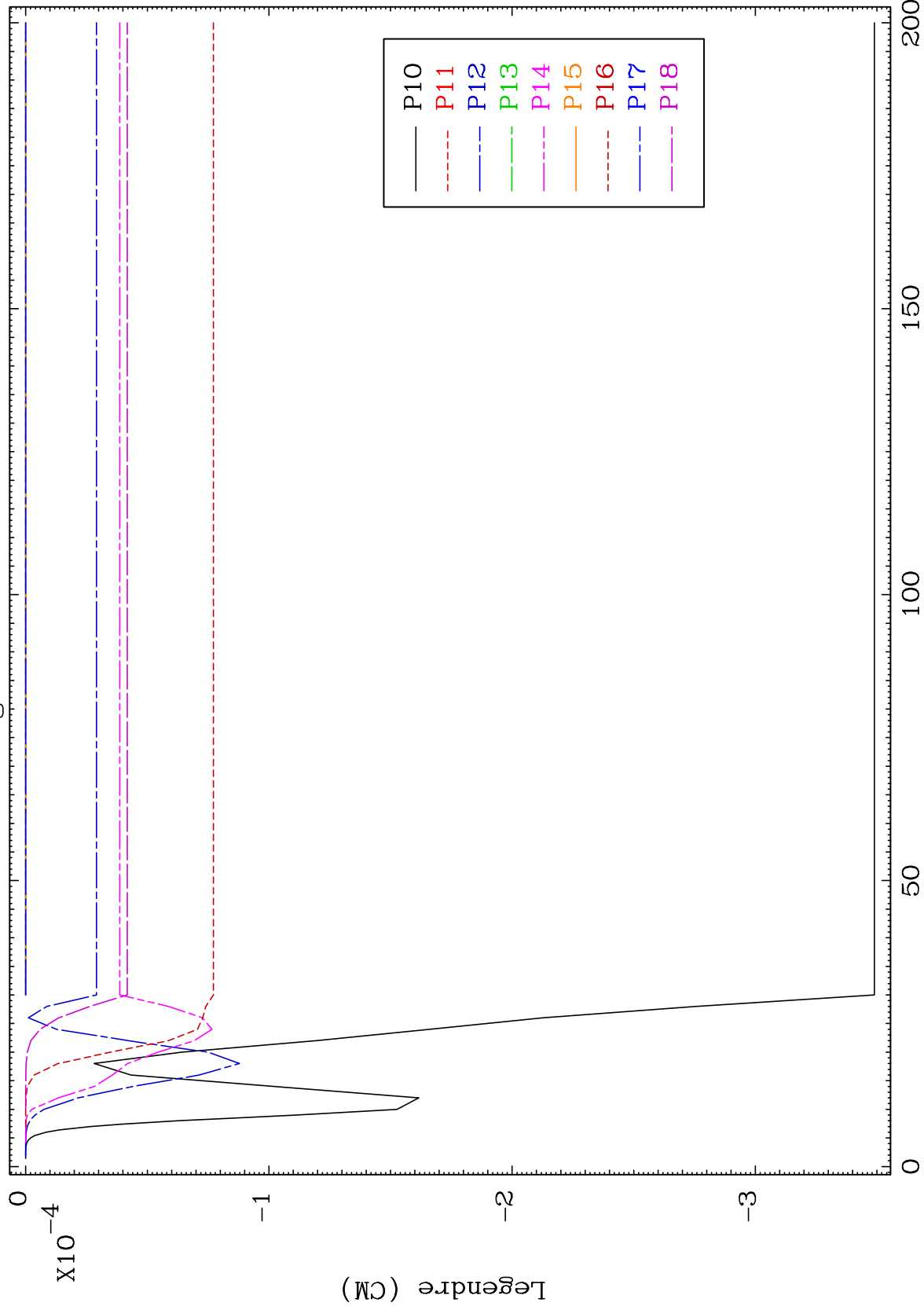
53-I -121

MAT 5307

MT= 53 (n,n') Level

53-I -121

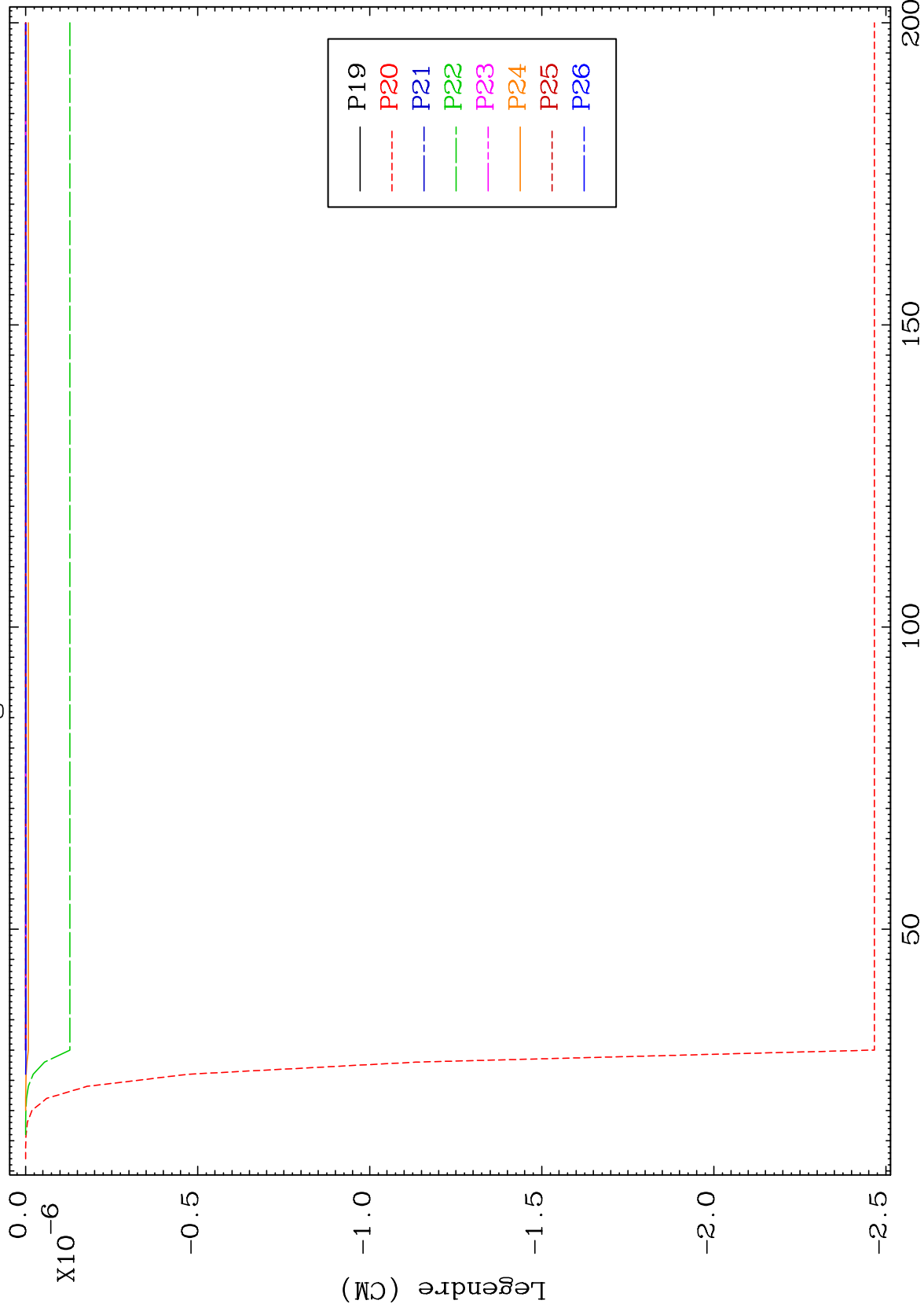
Legendre Coefficients



28

Incident Energy (MeV)

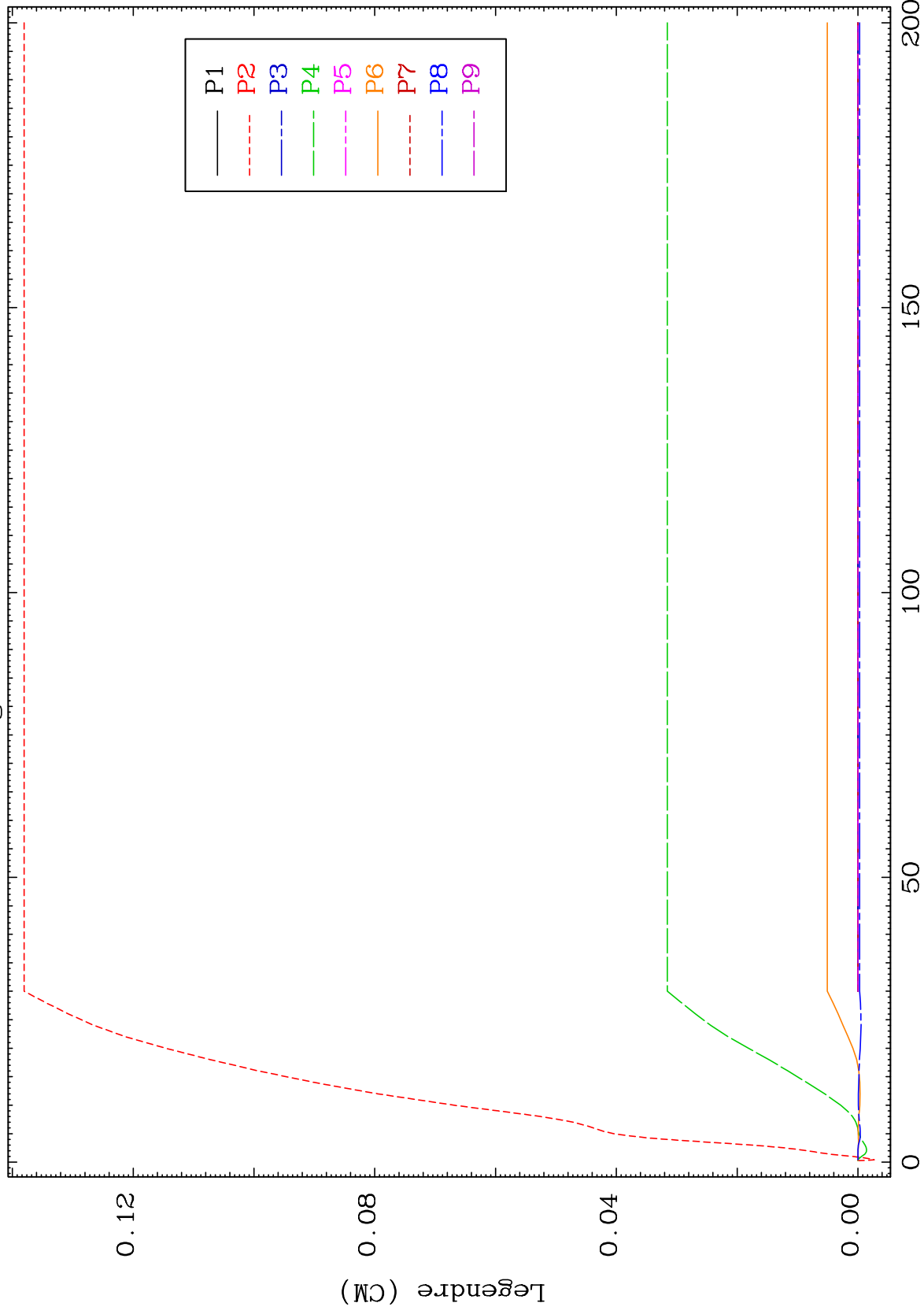
53-I -121



MAT 5307

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

53-I -121



53-I -121

Incident Energy (MeV)

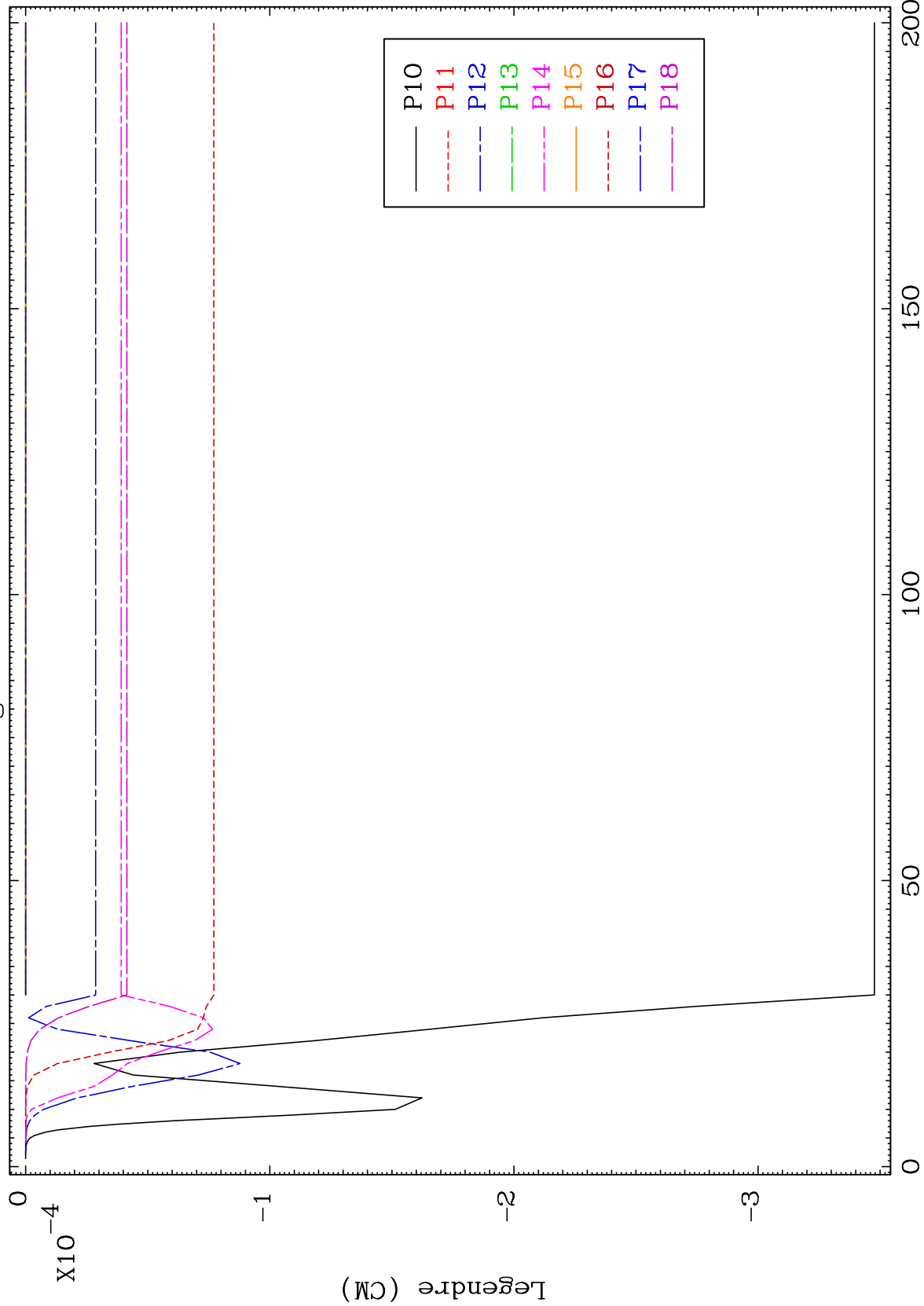
30

MAT 5307

MT= 54 (n,n') Level

53-I -121

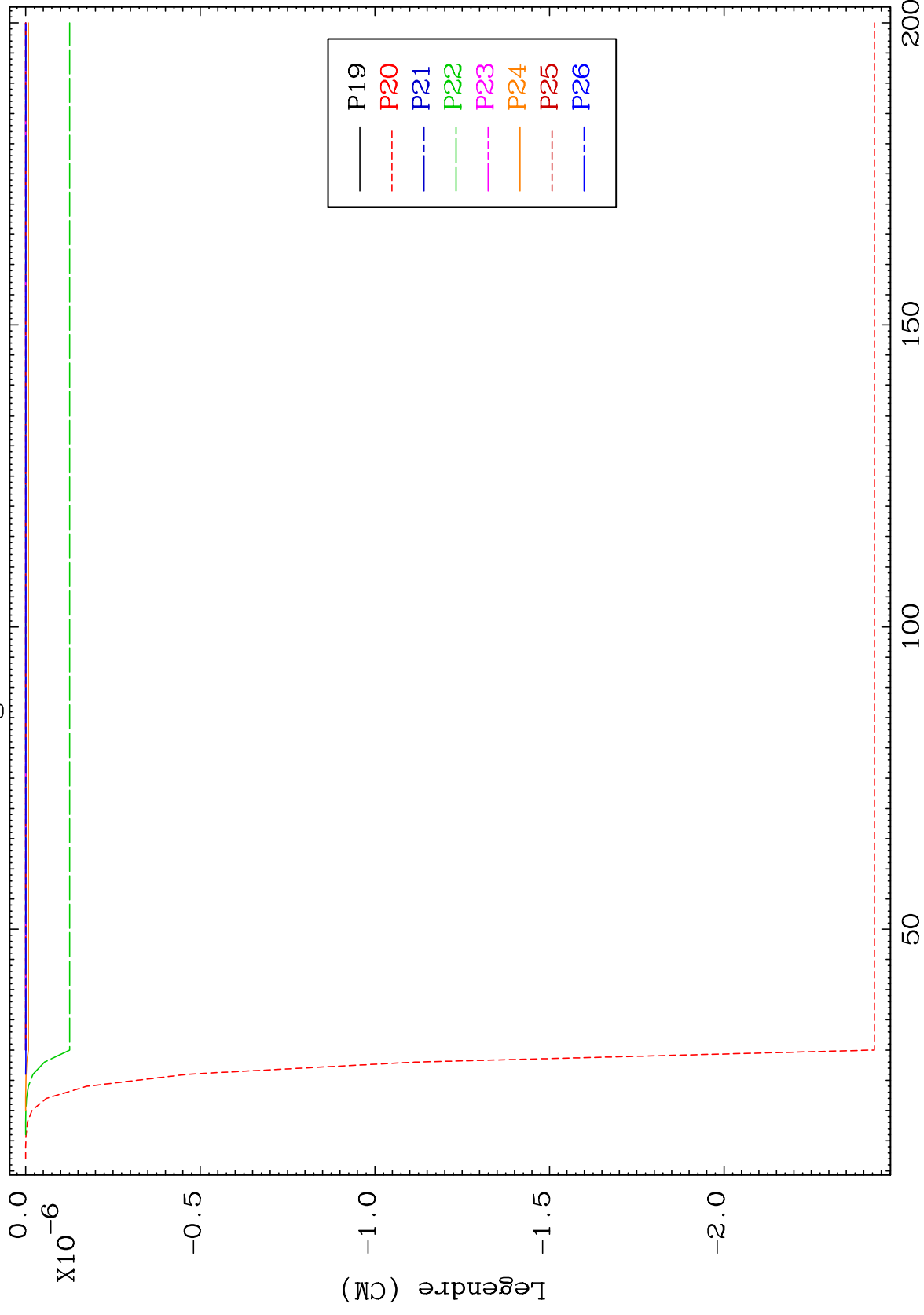
Legendre Coefficients



31

Incident Energy (MeV)

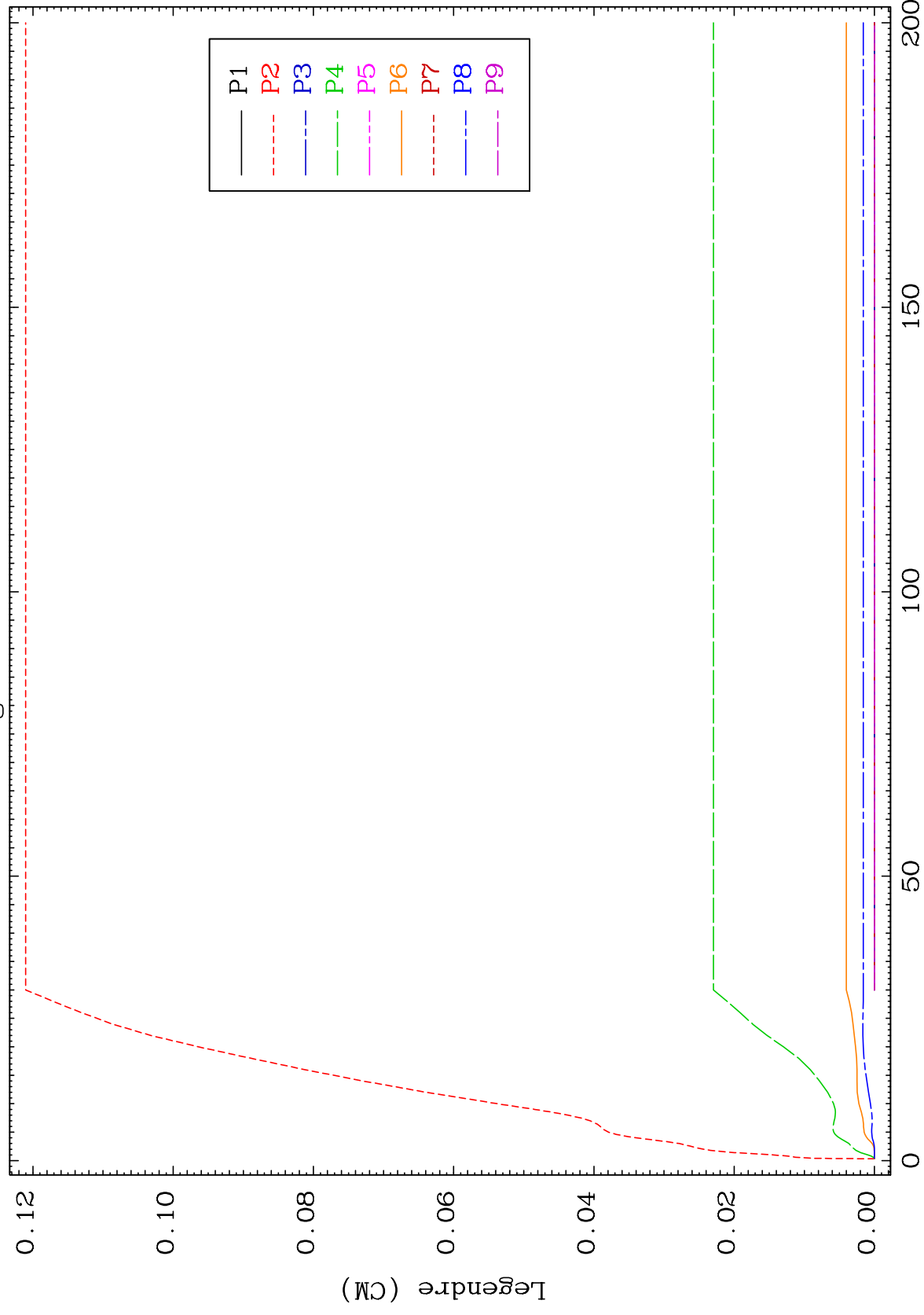
53-I -121



MAT 5307

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

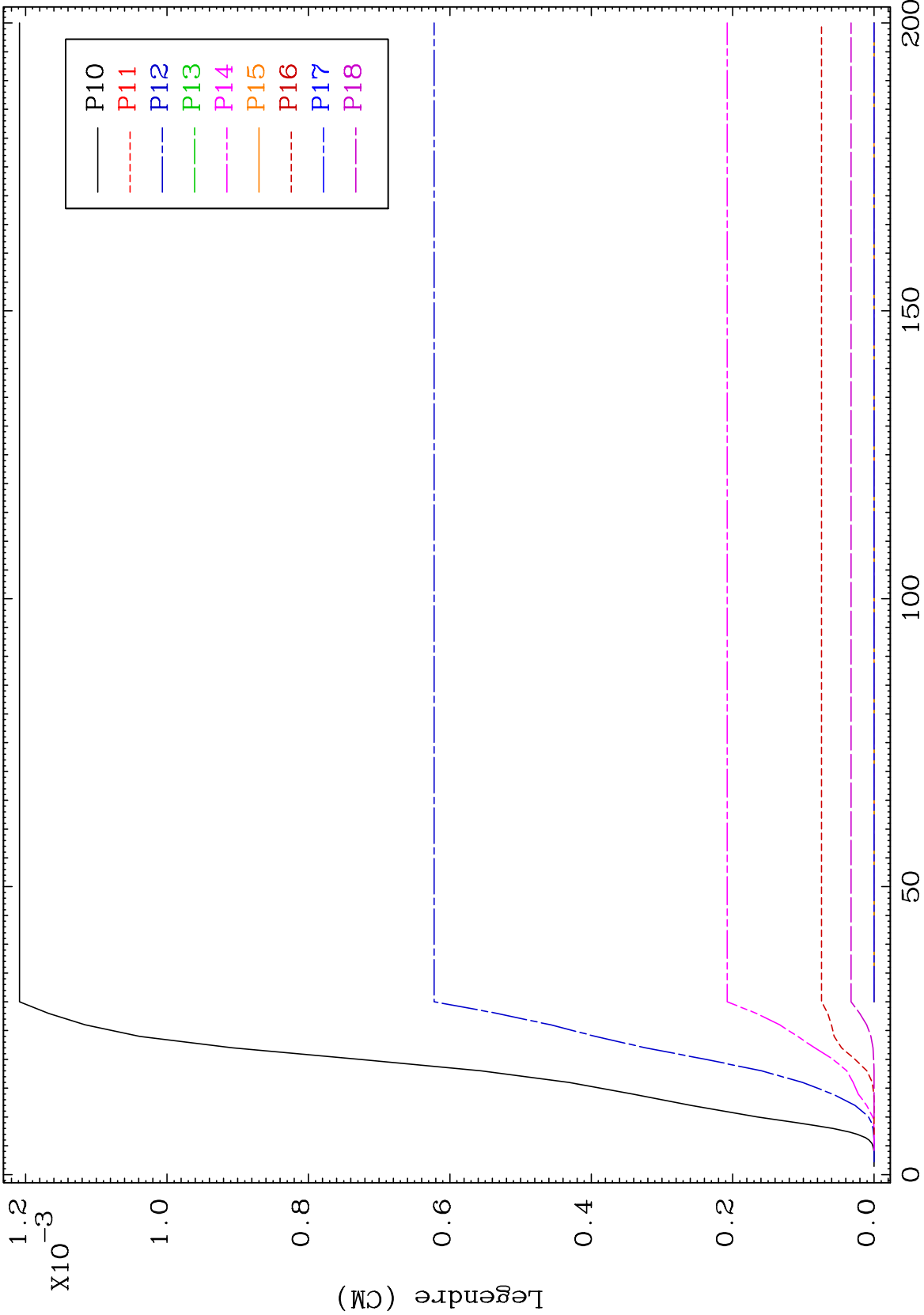
53-I -121



33

Incident Energy (MeV)

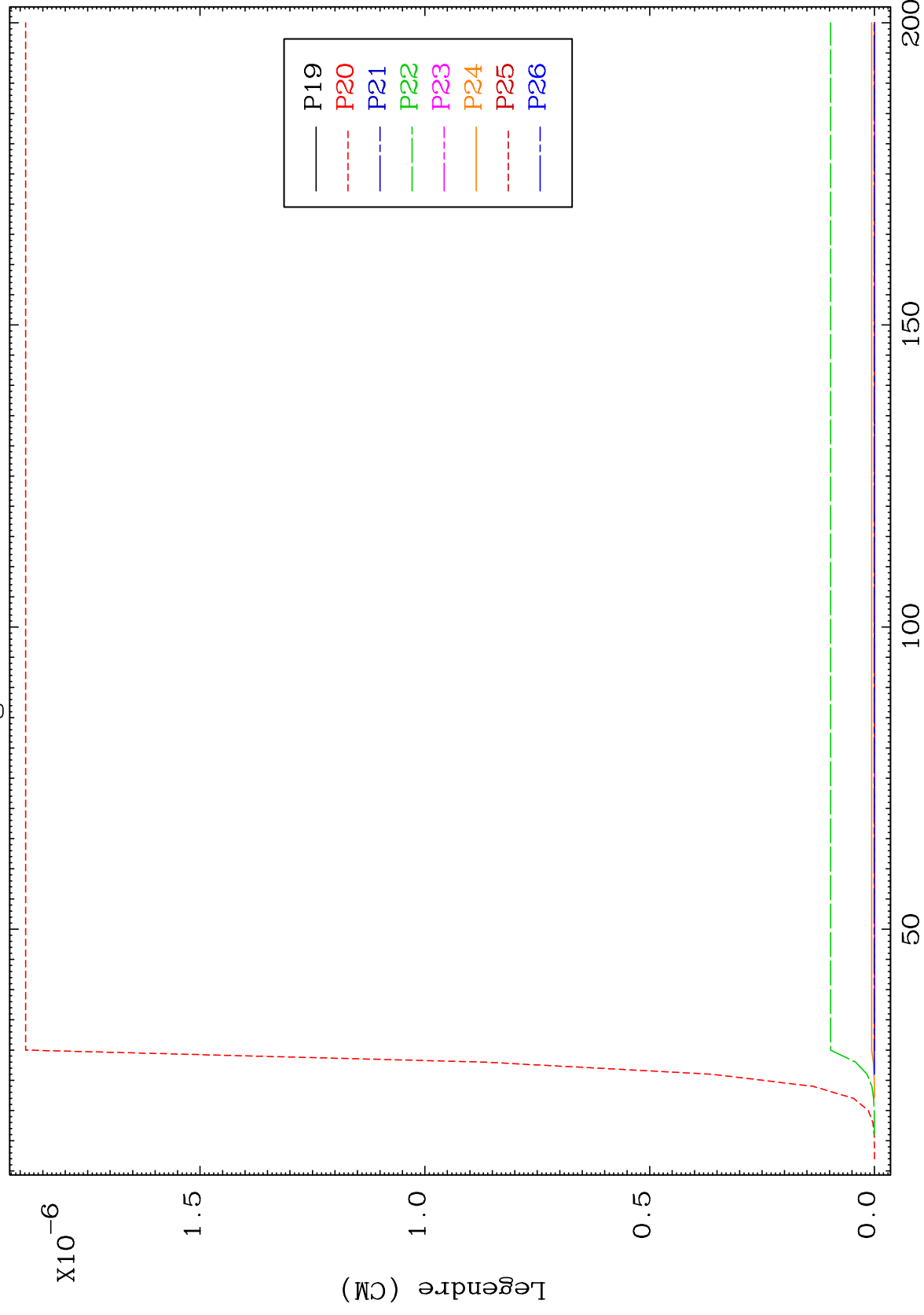
53-I -121



MAT 5307

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

53-I -121



35

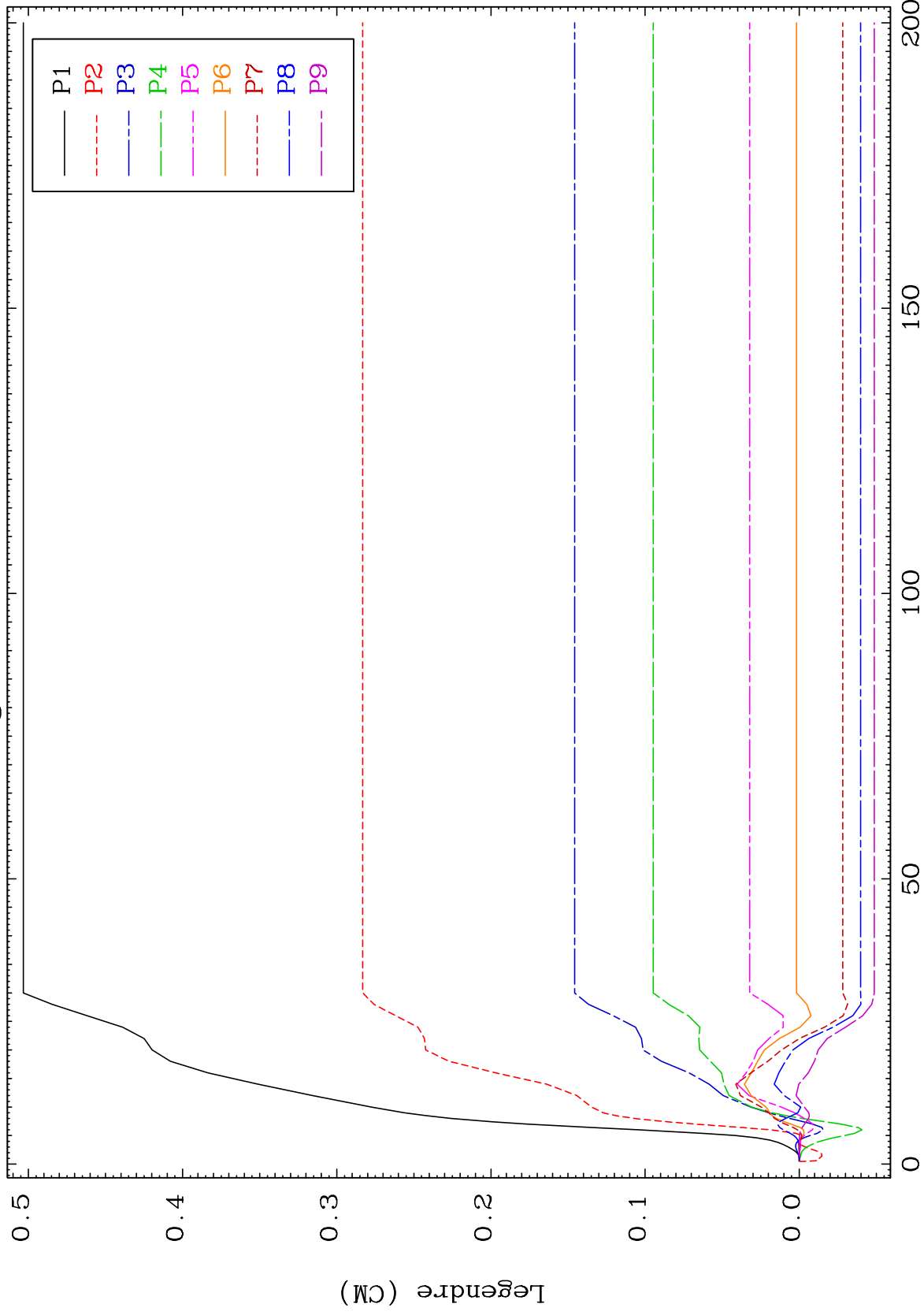
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



36

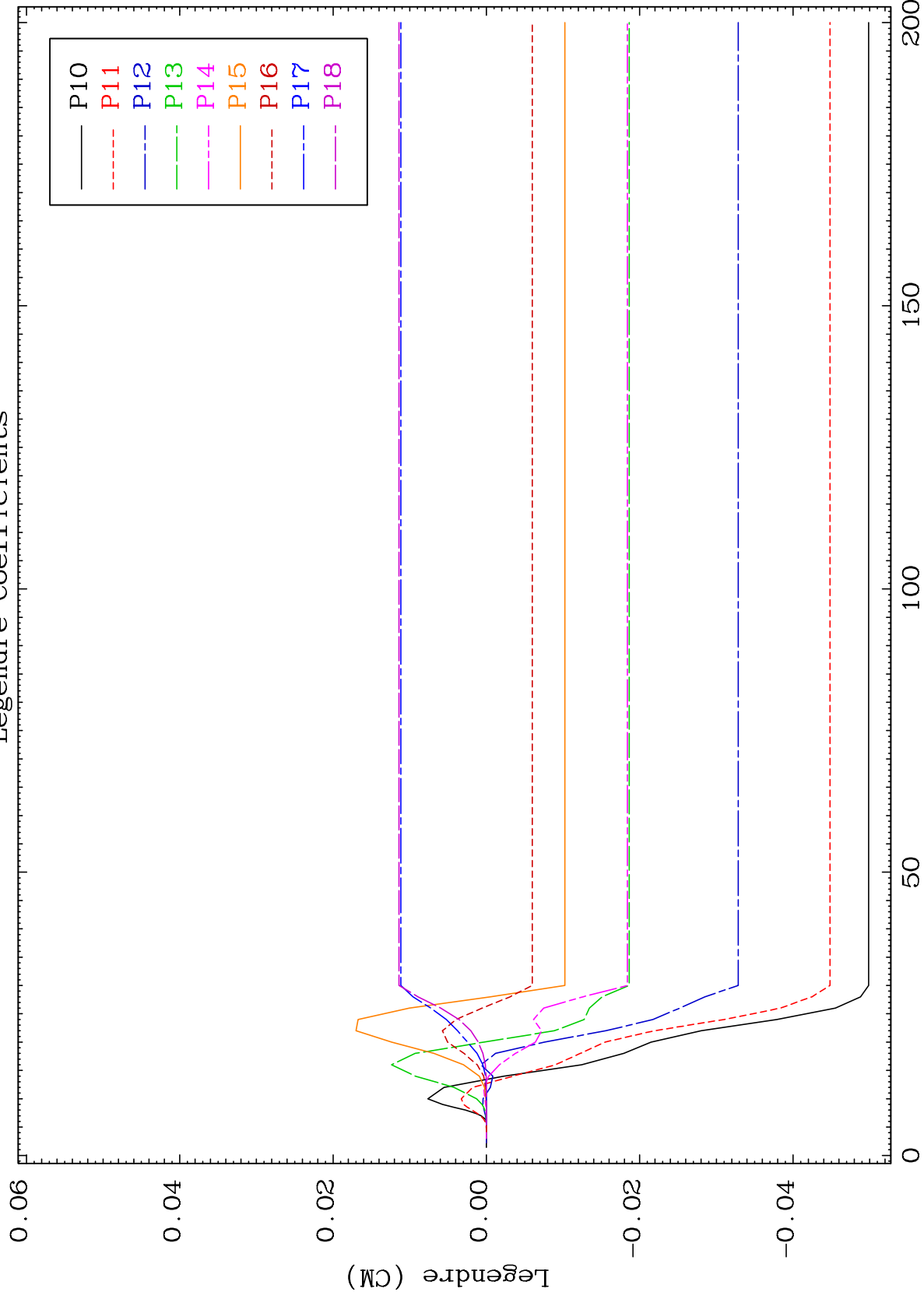
Incident Energy (MeV)

53-I -121

MAT 5307

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

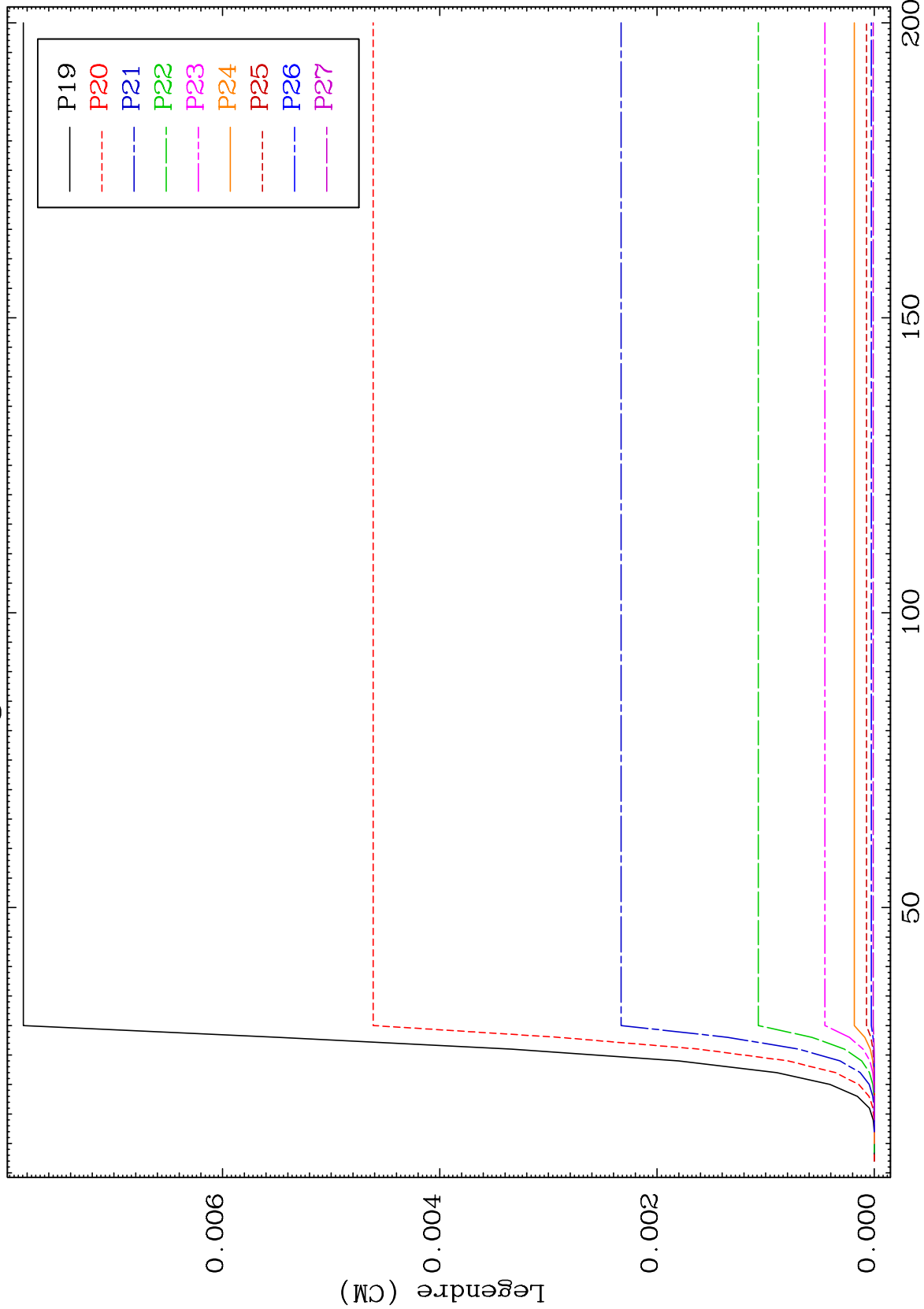
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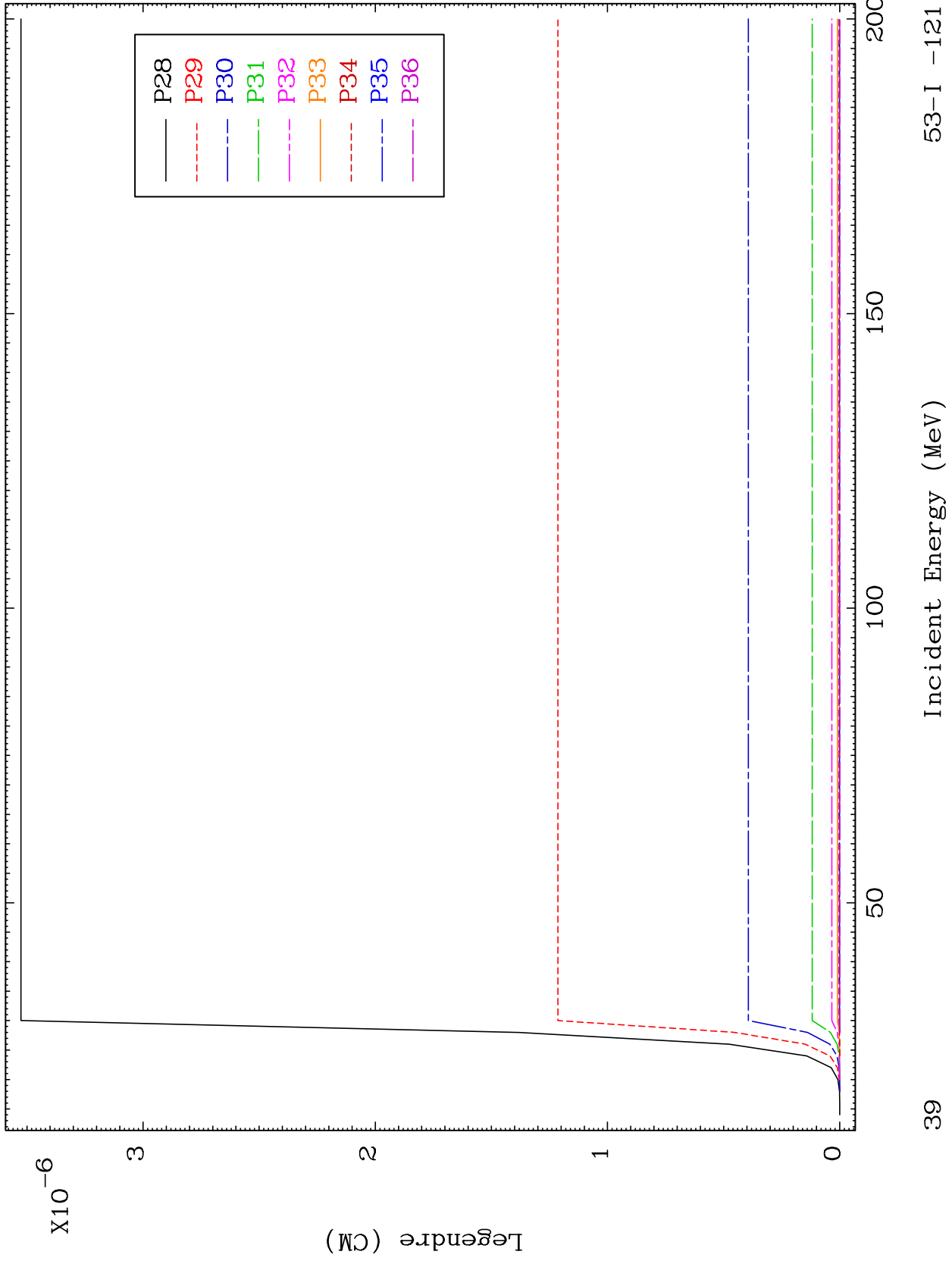


37

Incident Energy (MeV)

53-I -121

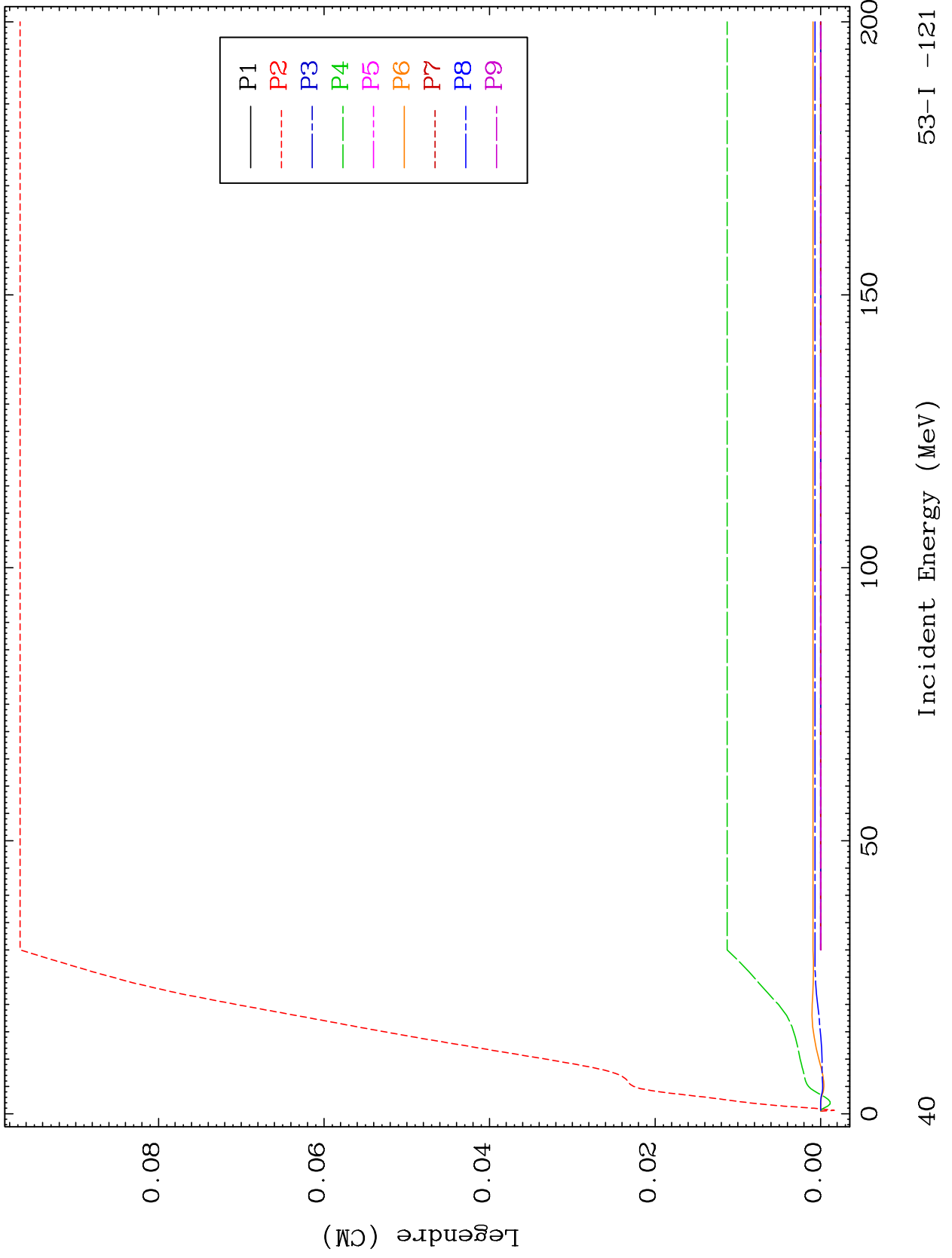




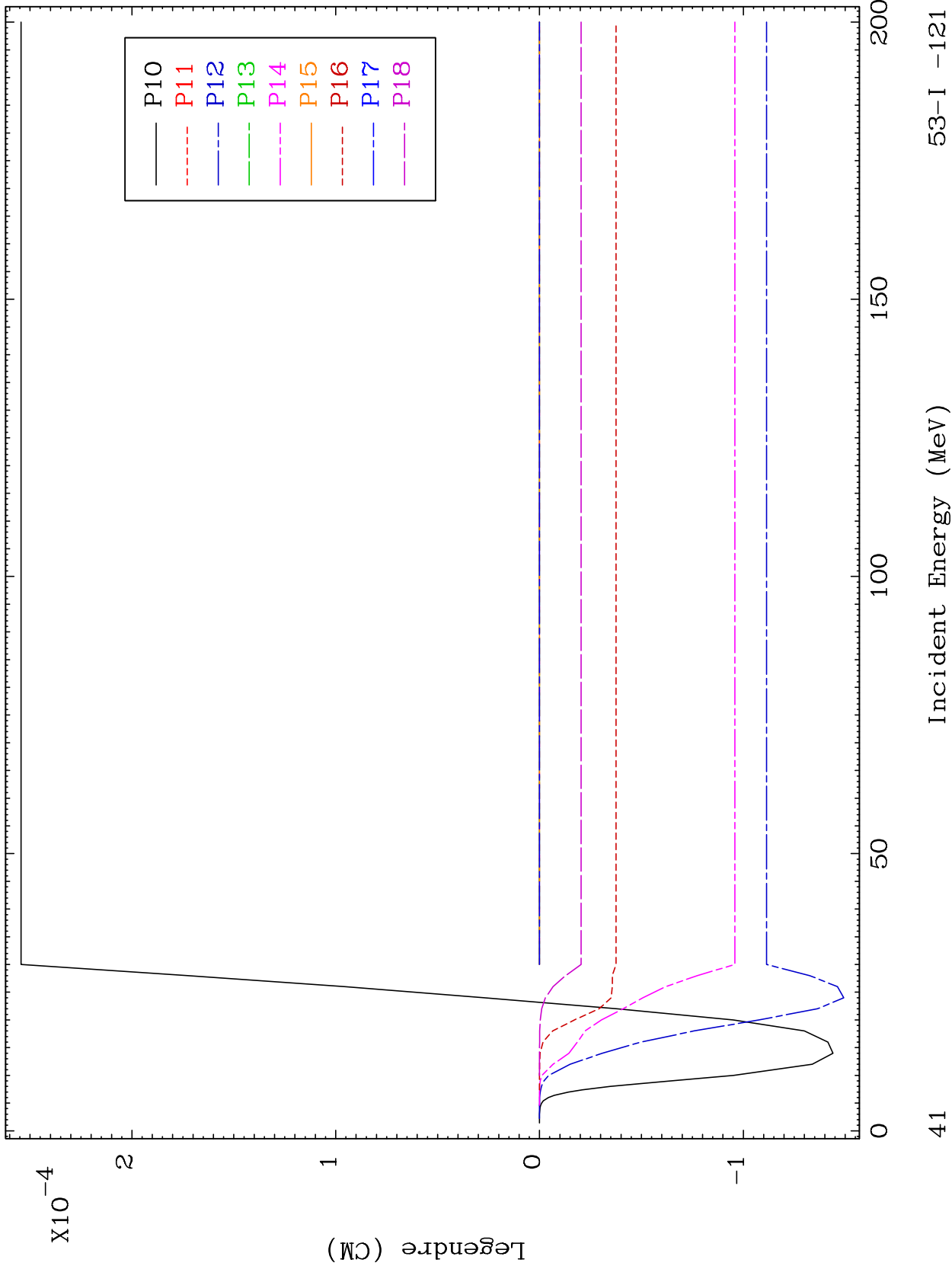
MAT 5307

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

53-I -121



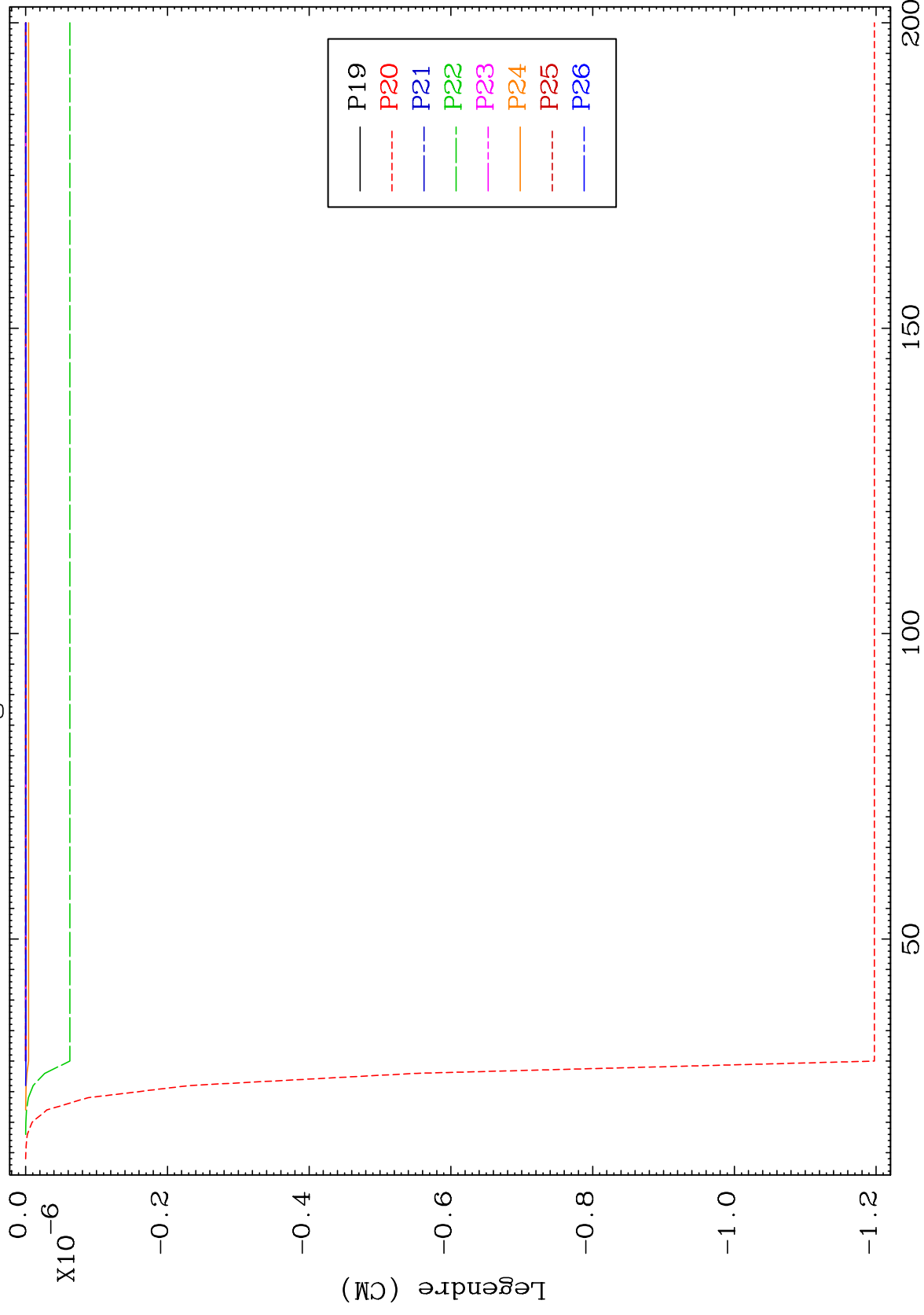
53-I -121



MAT 5307

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

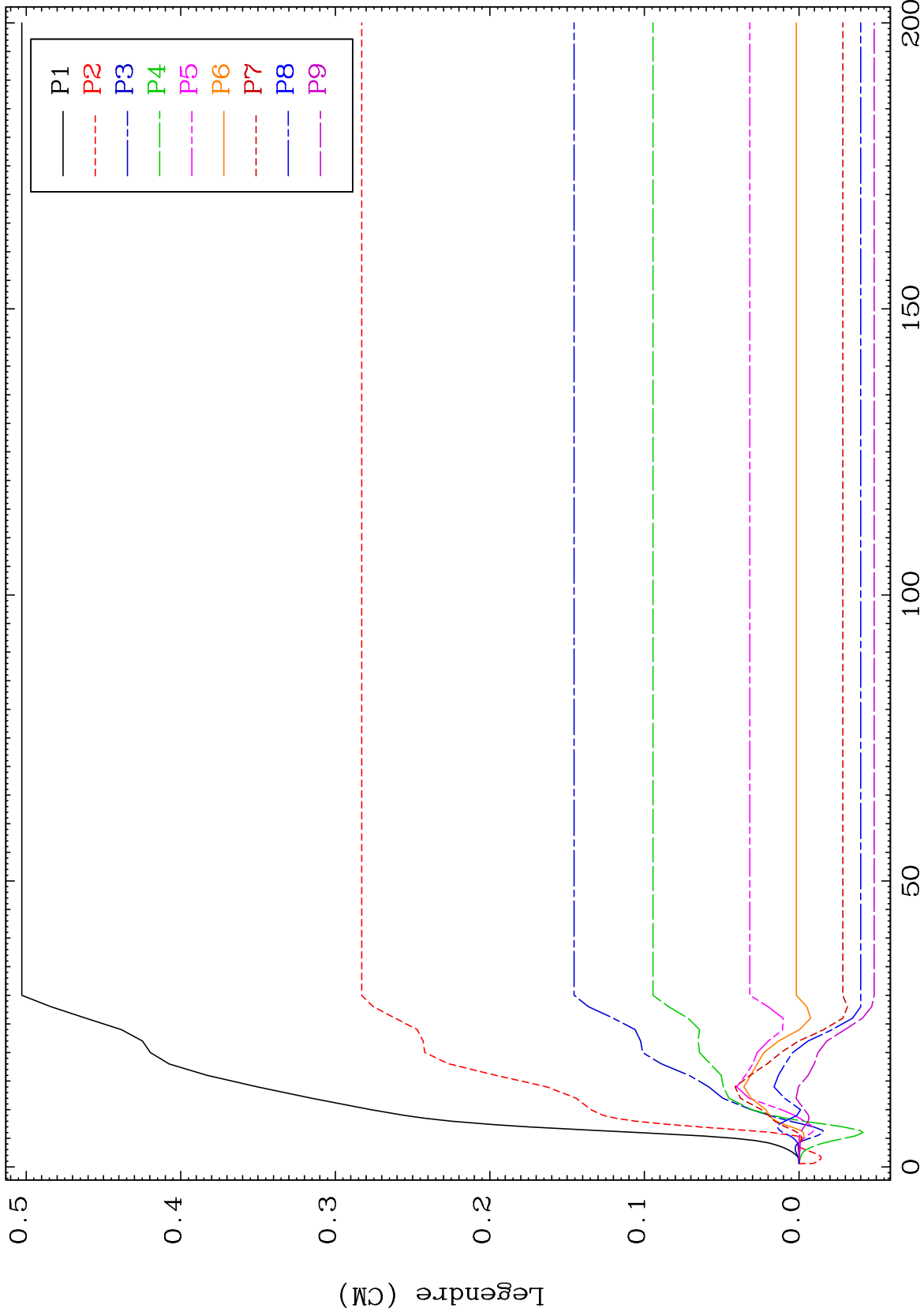
53-I -121



MAT 5307

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

53-I -121



43

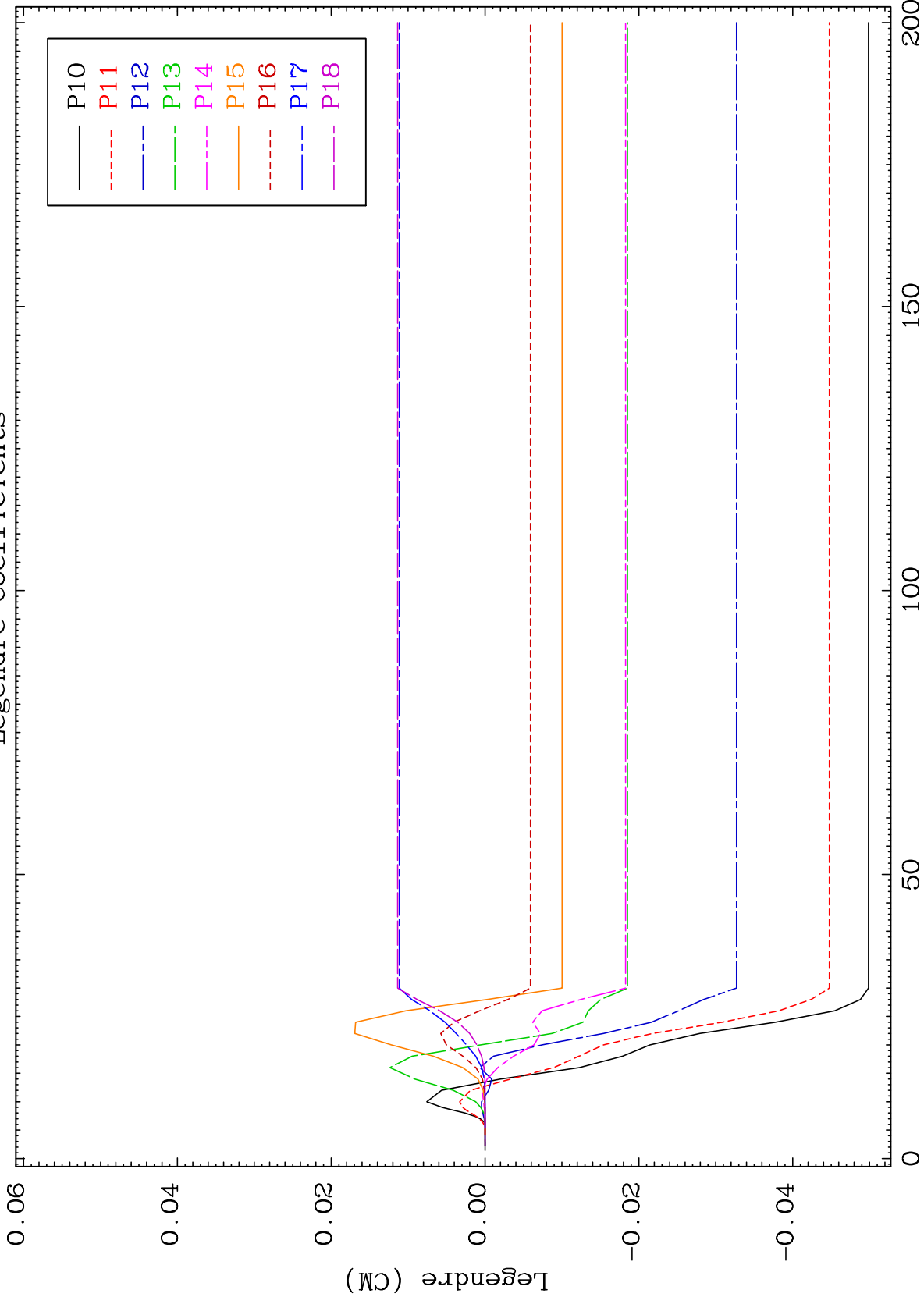
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



44

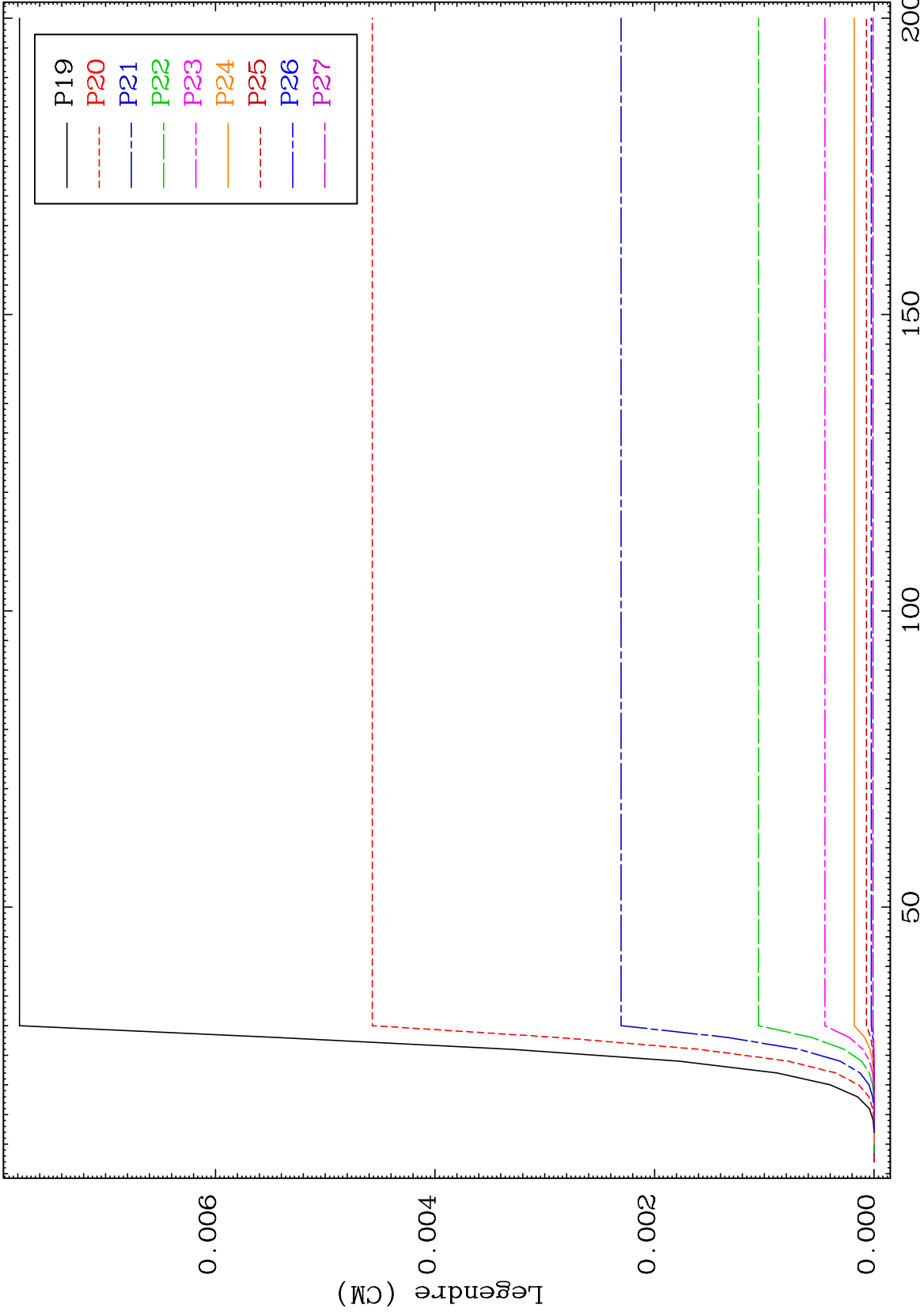
Incident Energy (MeV)

53-I -121

MAT 5307

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

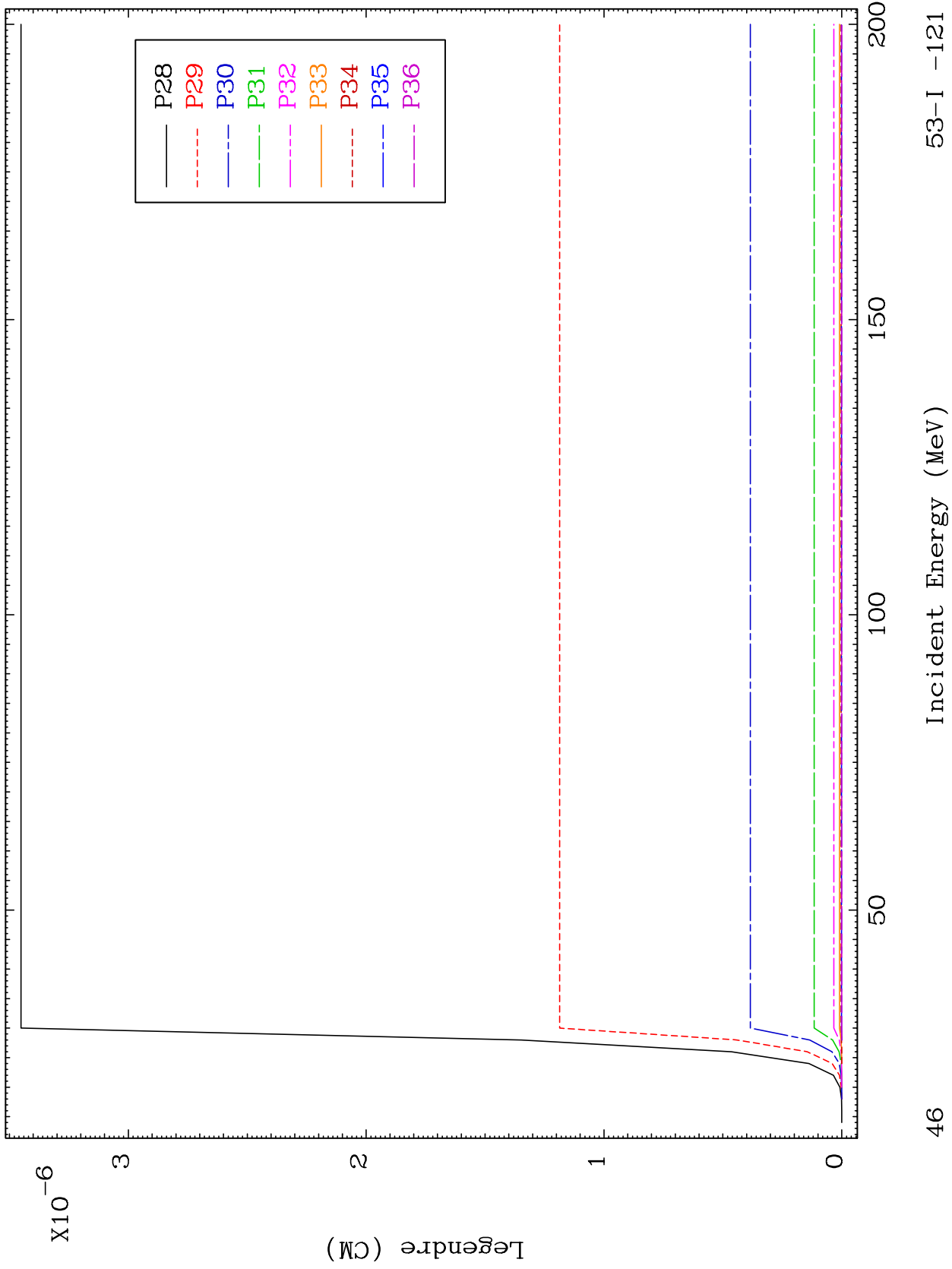
53-I -121



45

Incident Energy (MeV)

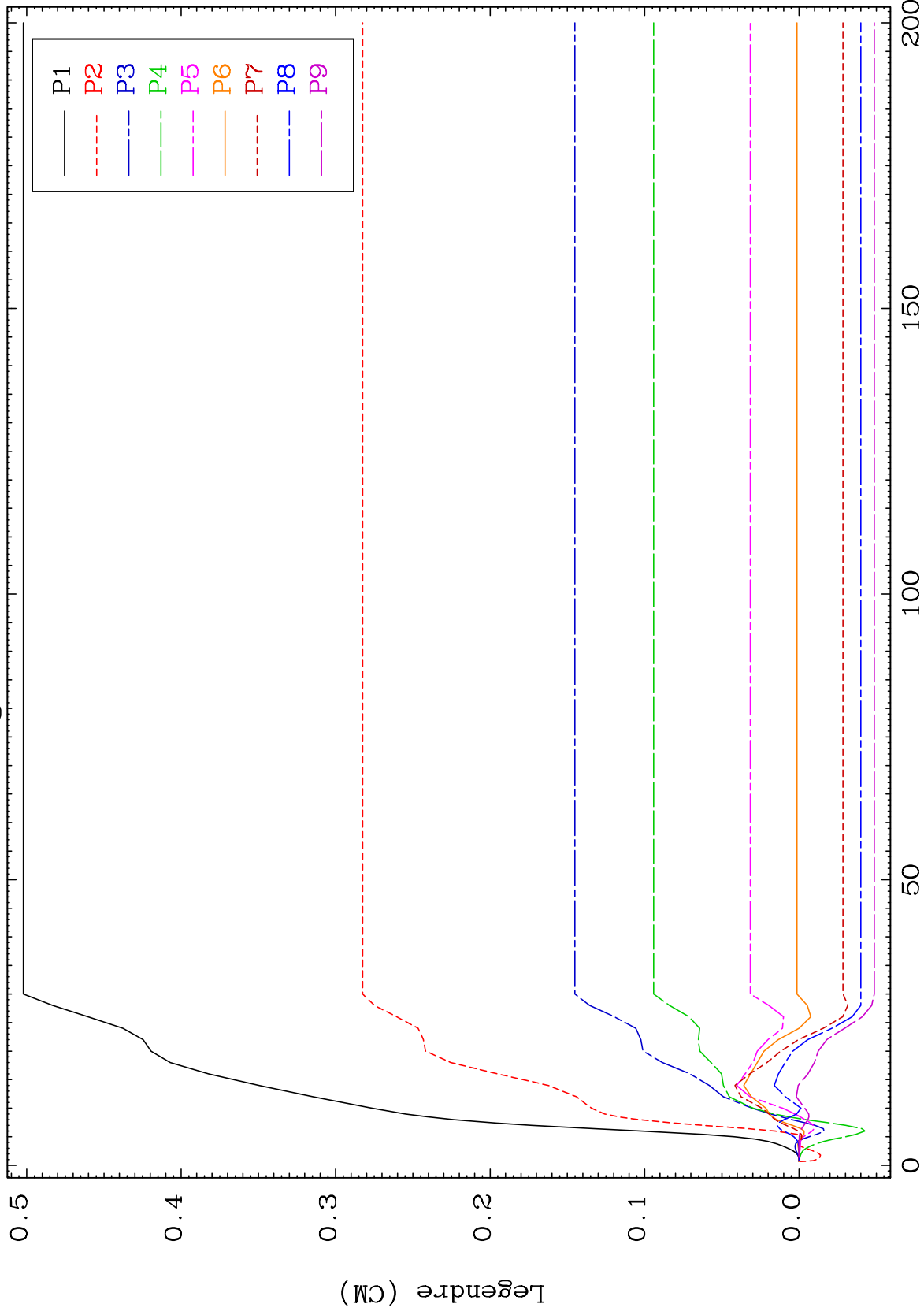
53-I -121



MAT 5307

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

53-I -121



47

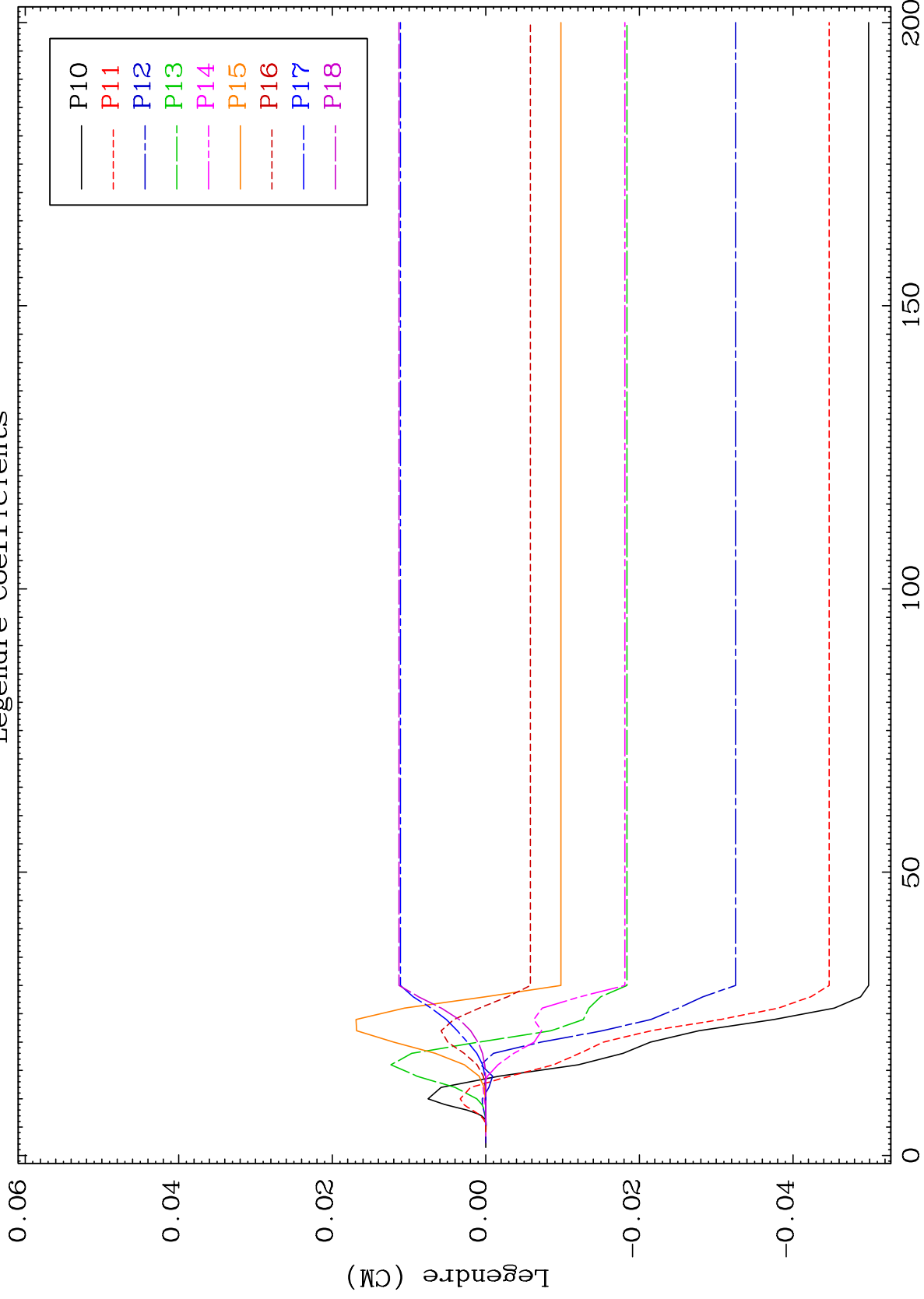
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



48

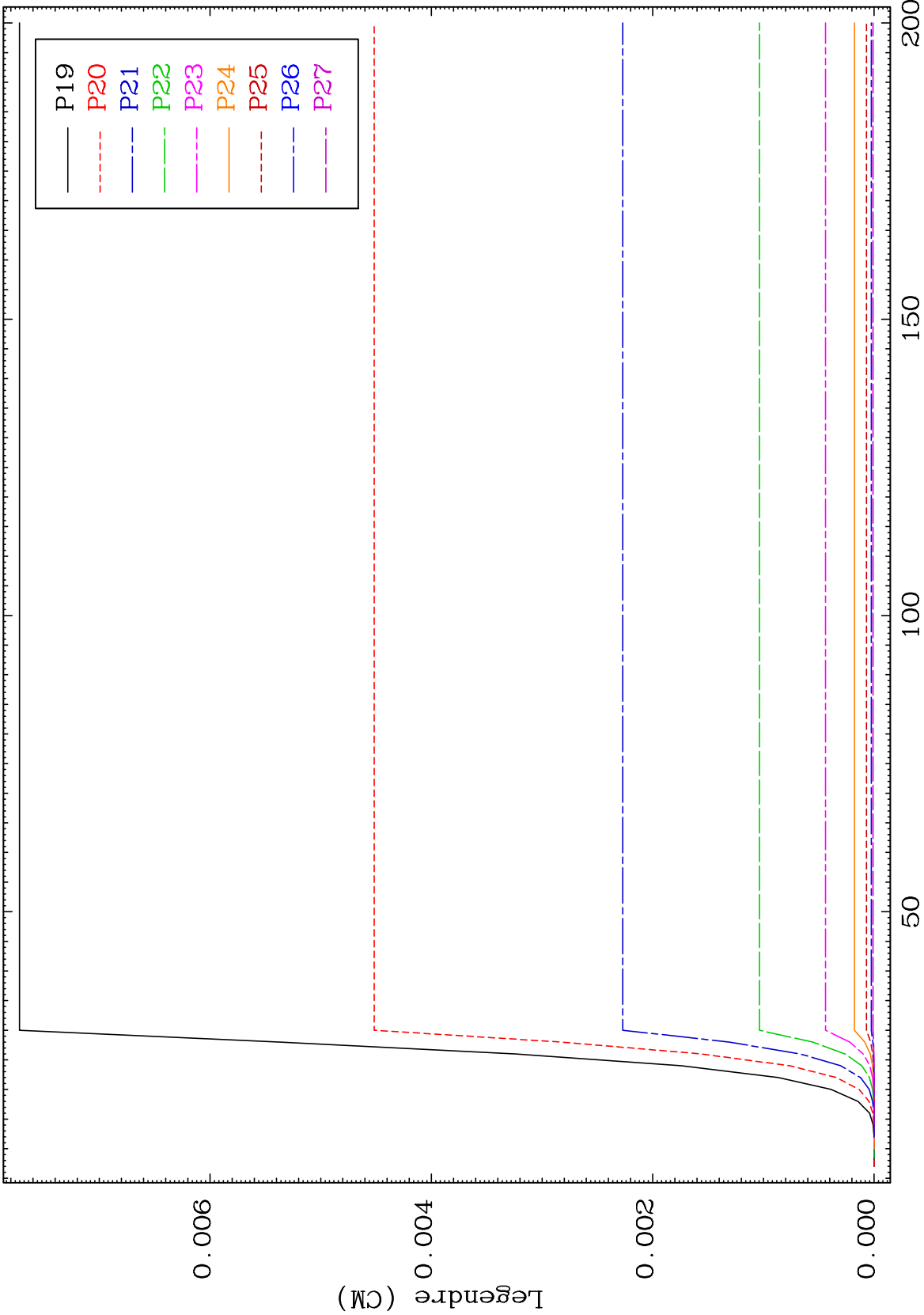
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



49

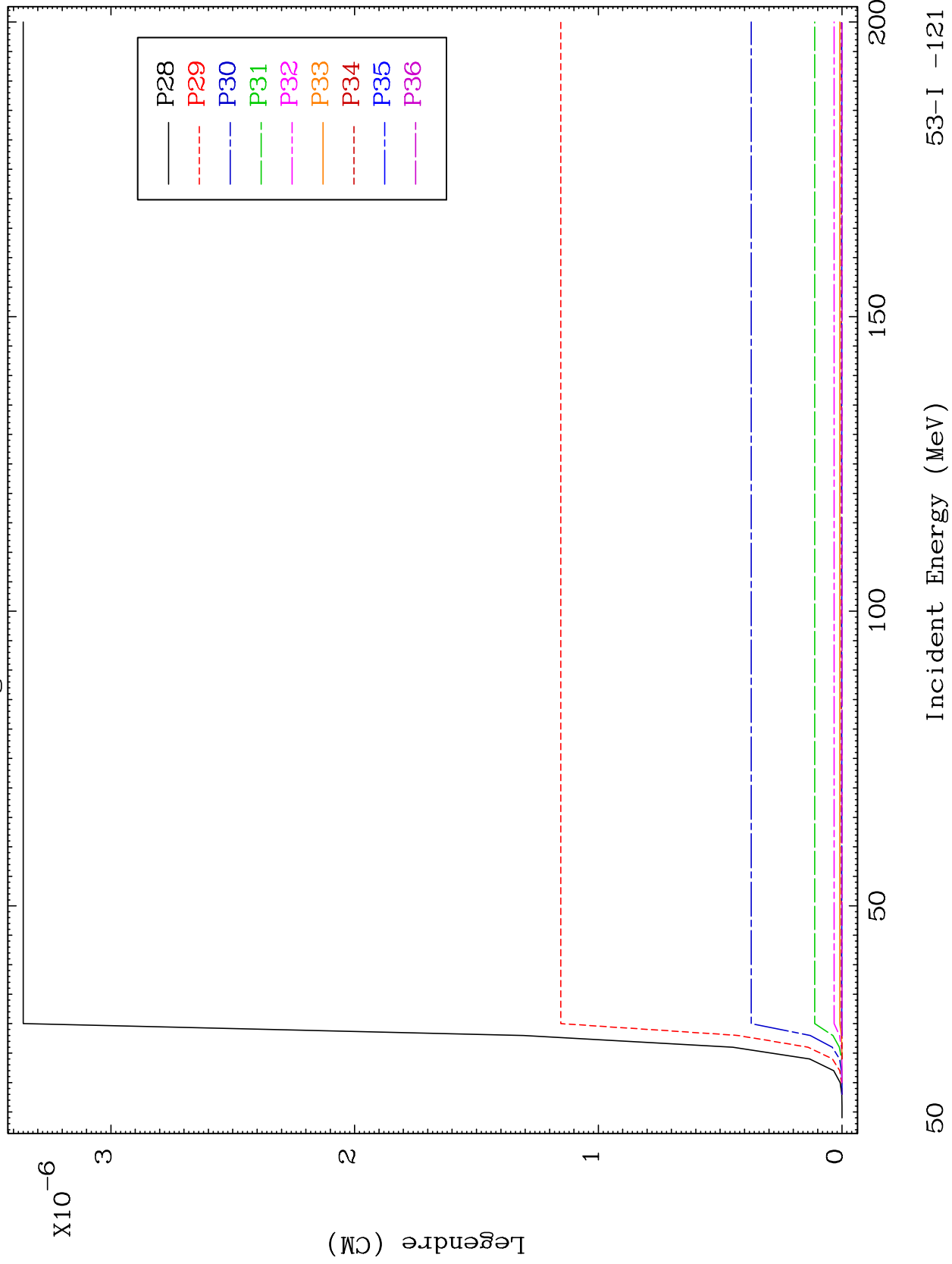
Incident Energy (MeV)

53-I -121

MAT 5307

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

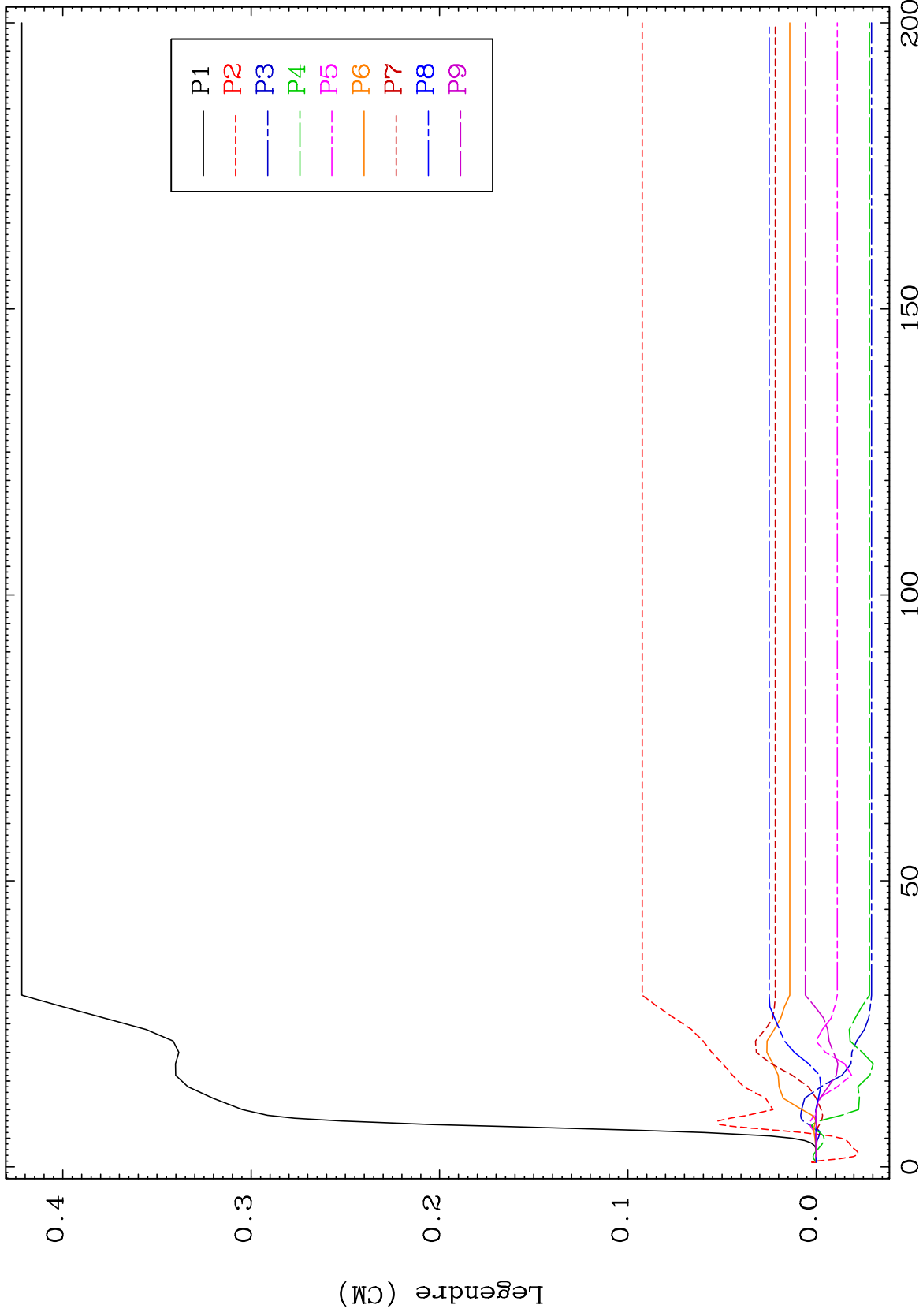
53-I -121



53-I -121

Incident Energy (MeV)

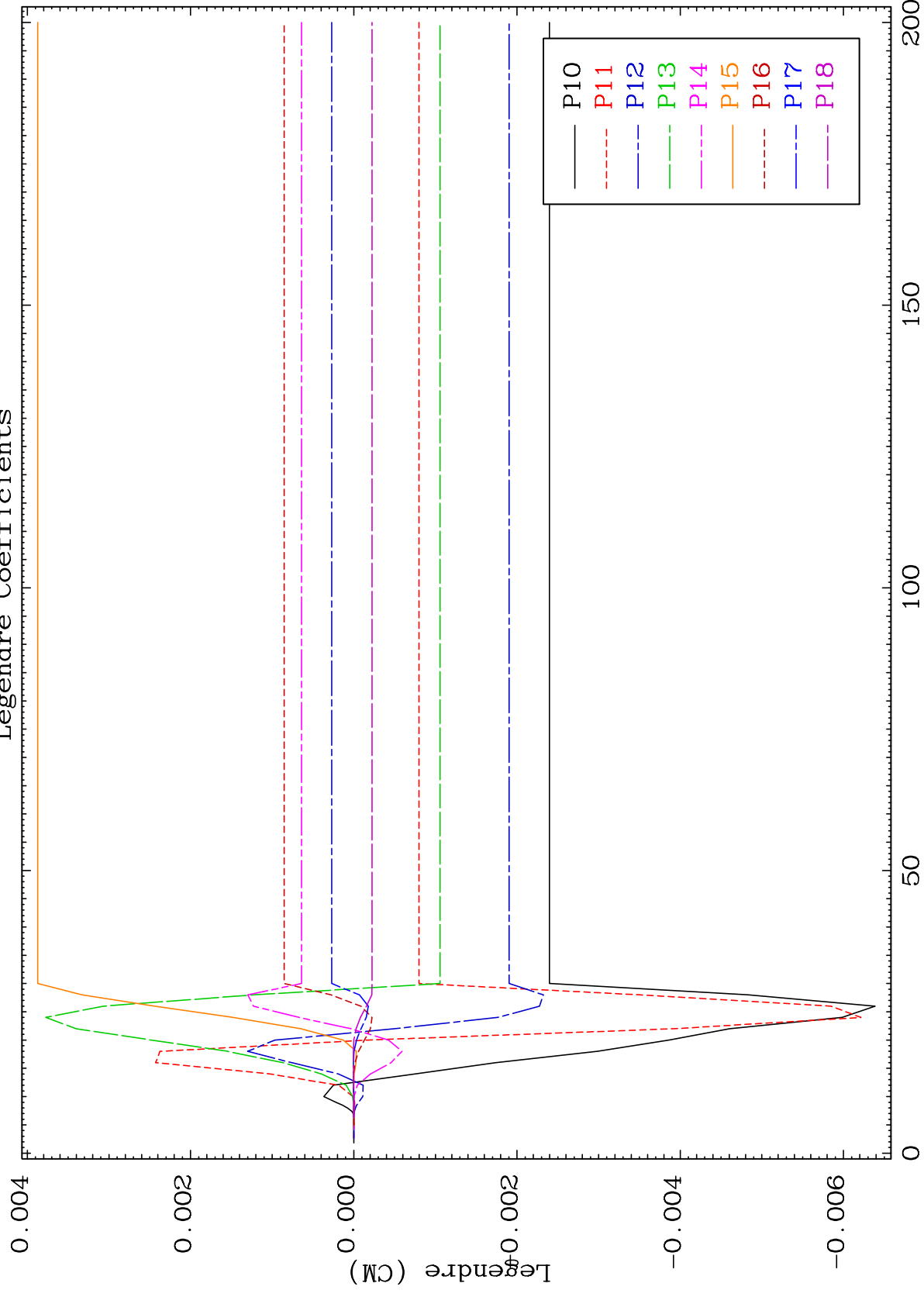
50



MAT 5307

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

53-I -121



52

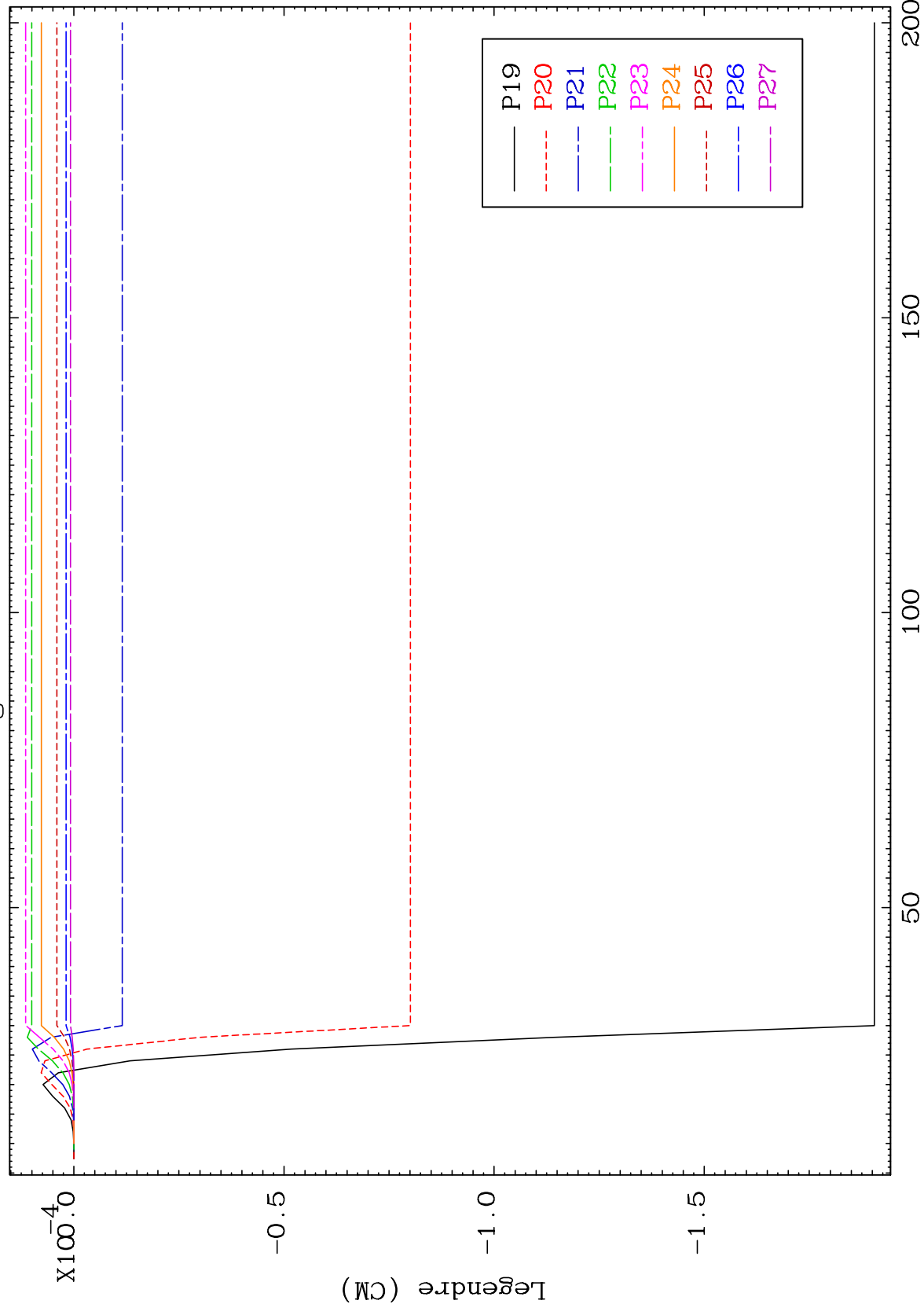
Incident Energy (MeV)

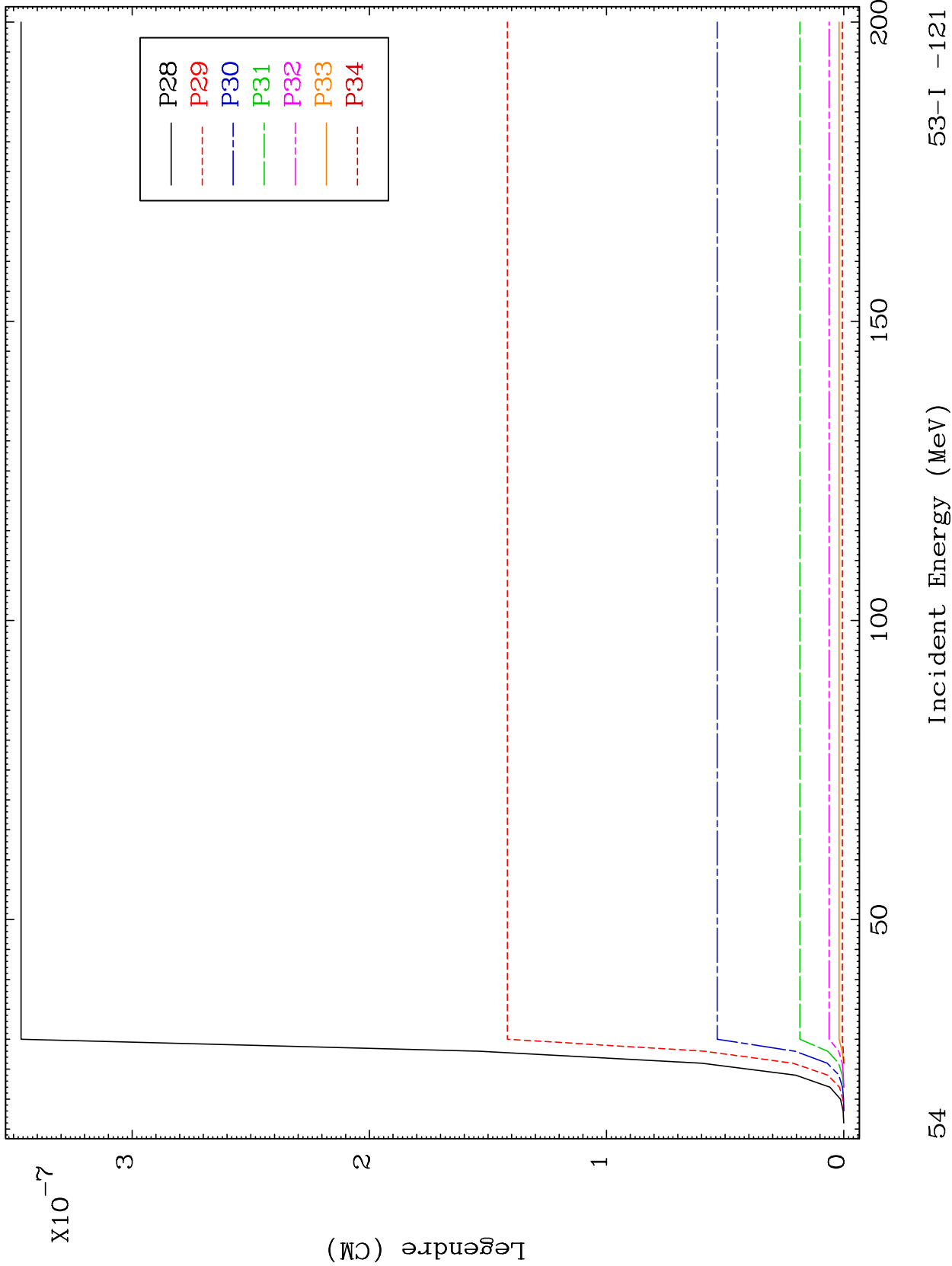
53-I -121

MAT 5307

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

53-I -121

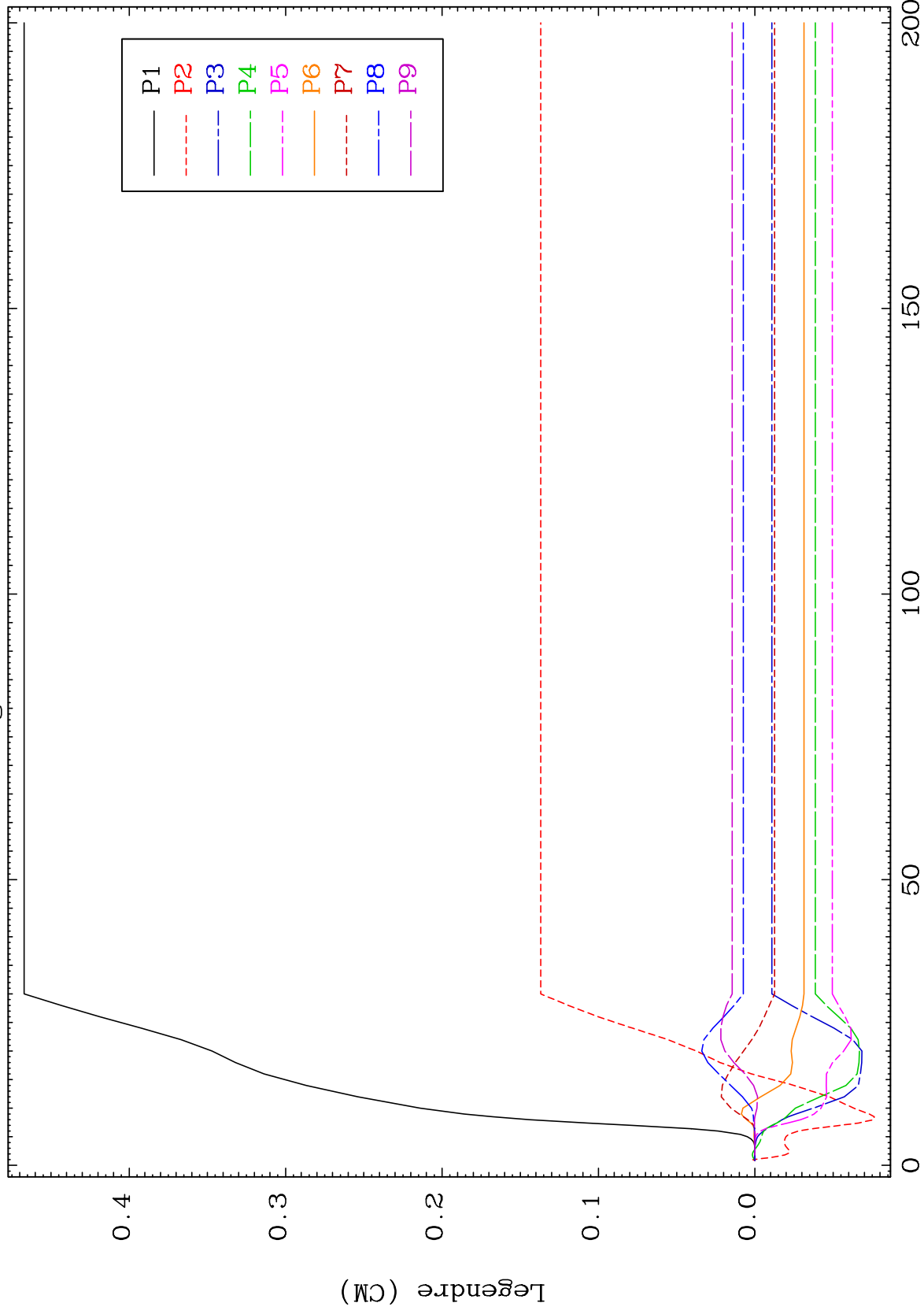




MAT 5307

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

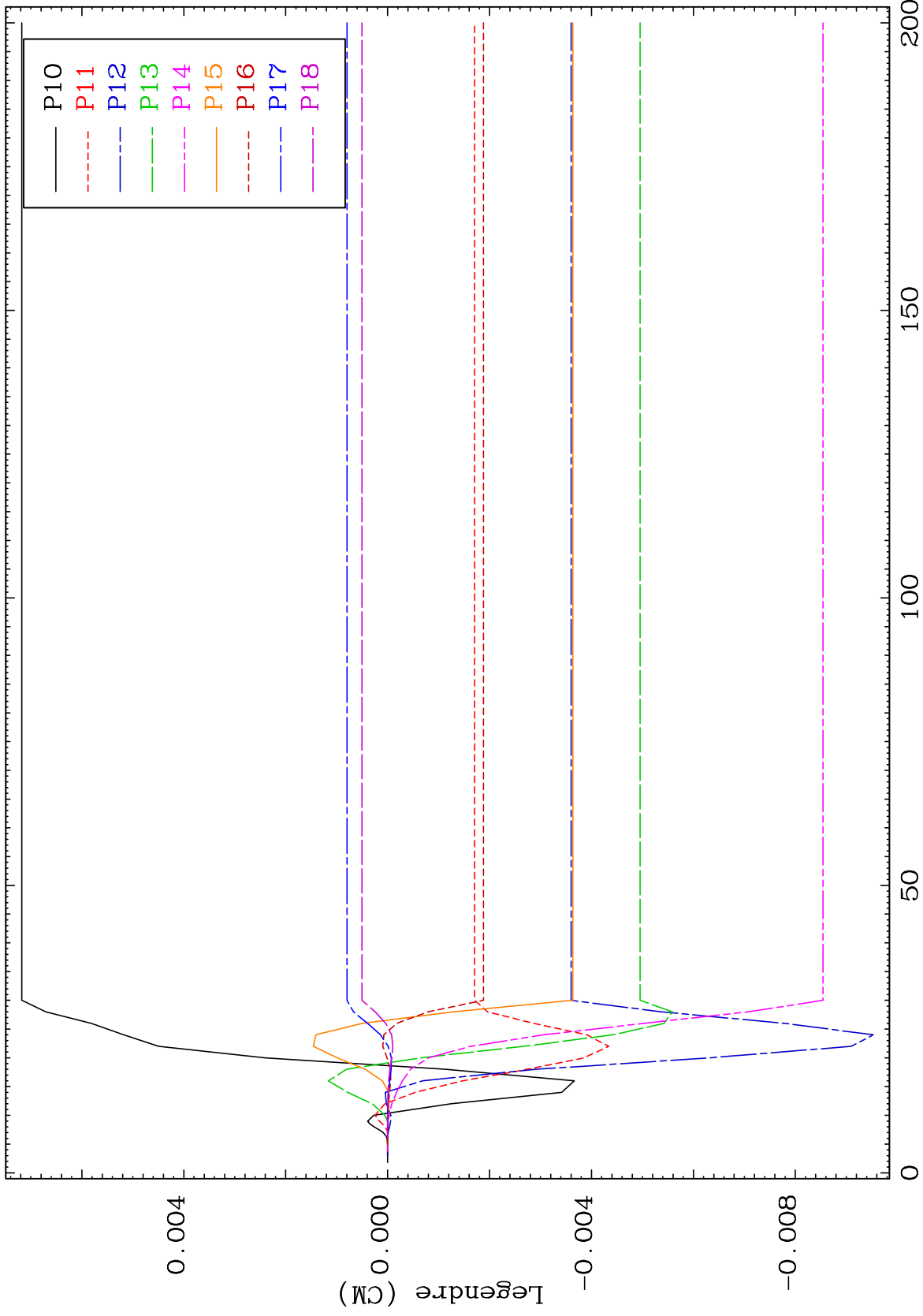
53-I -121

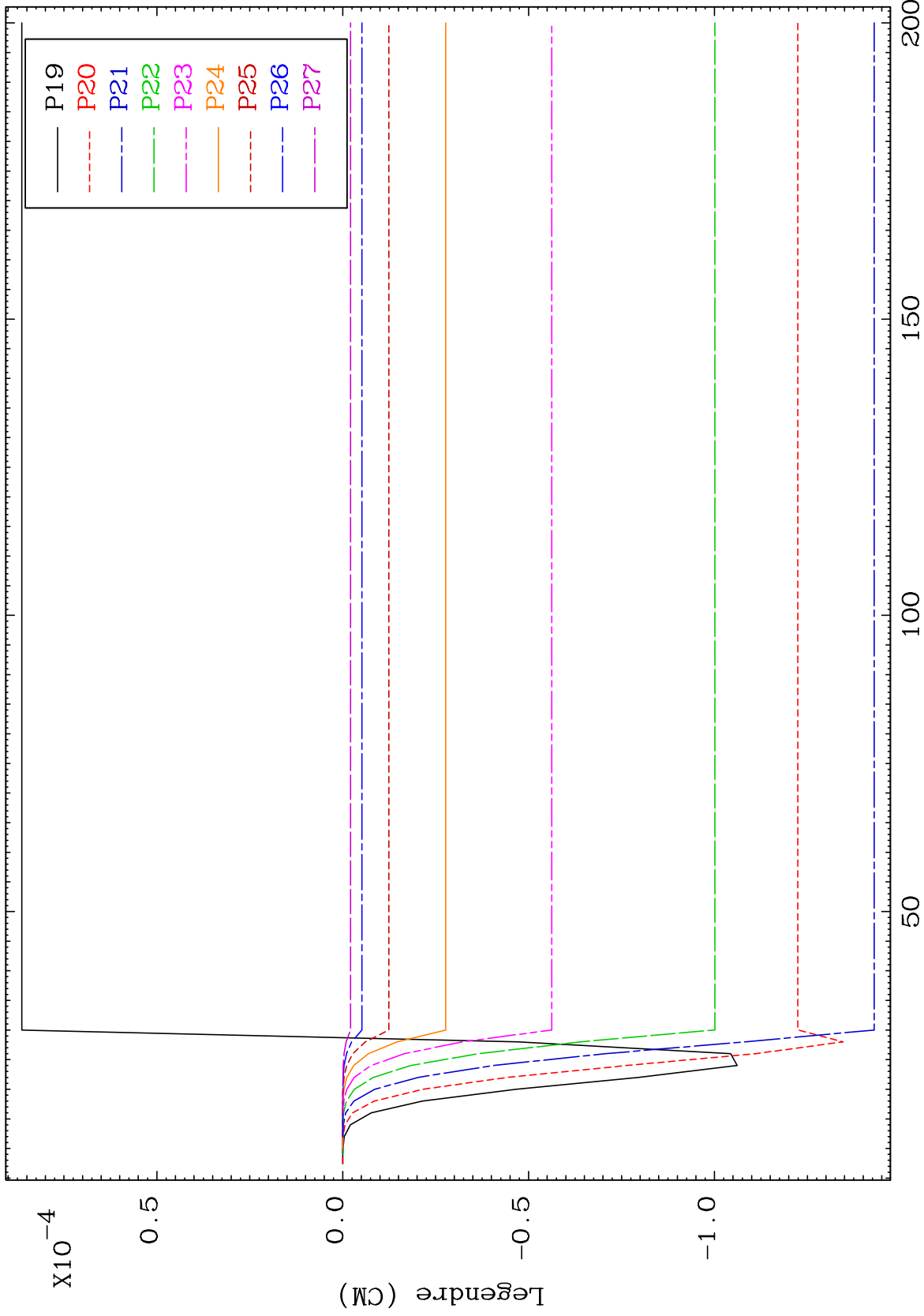


55

Incident Energy (MeV)

53-I -121

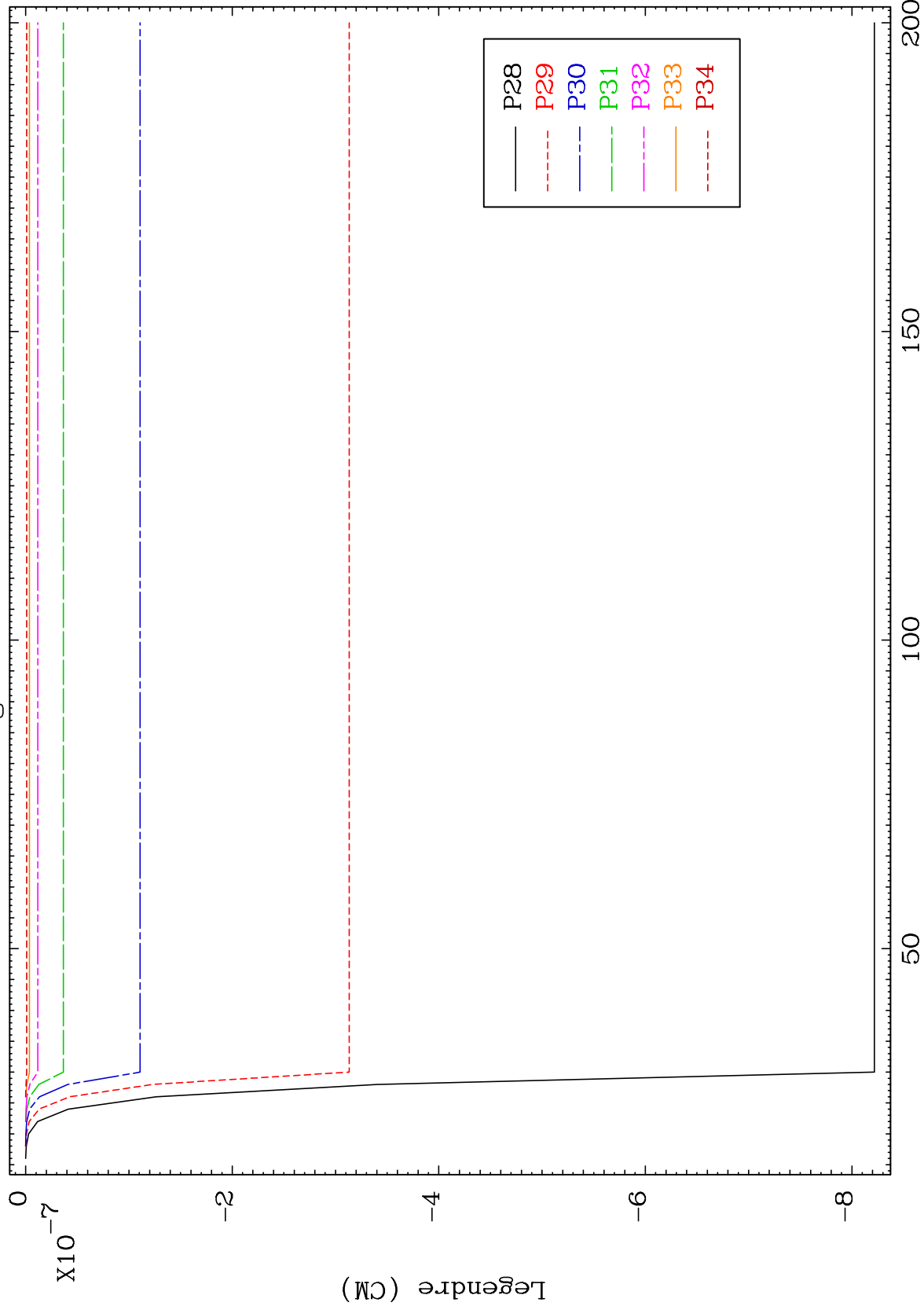




MAT 5307

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

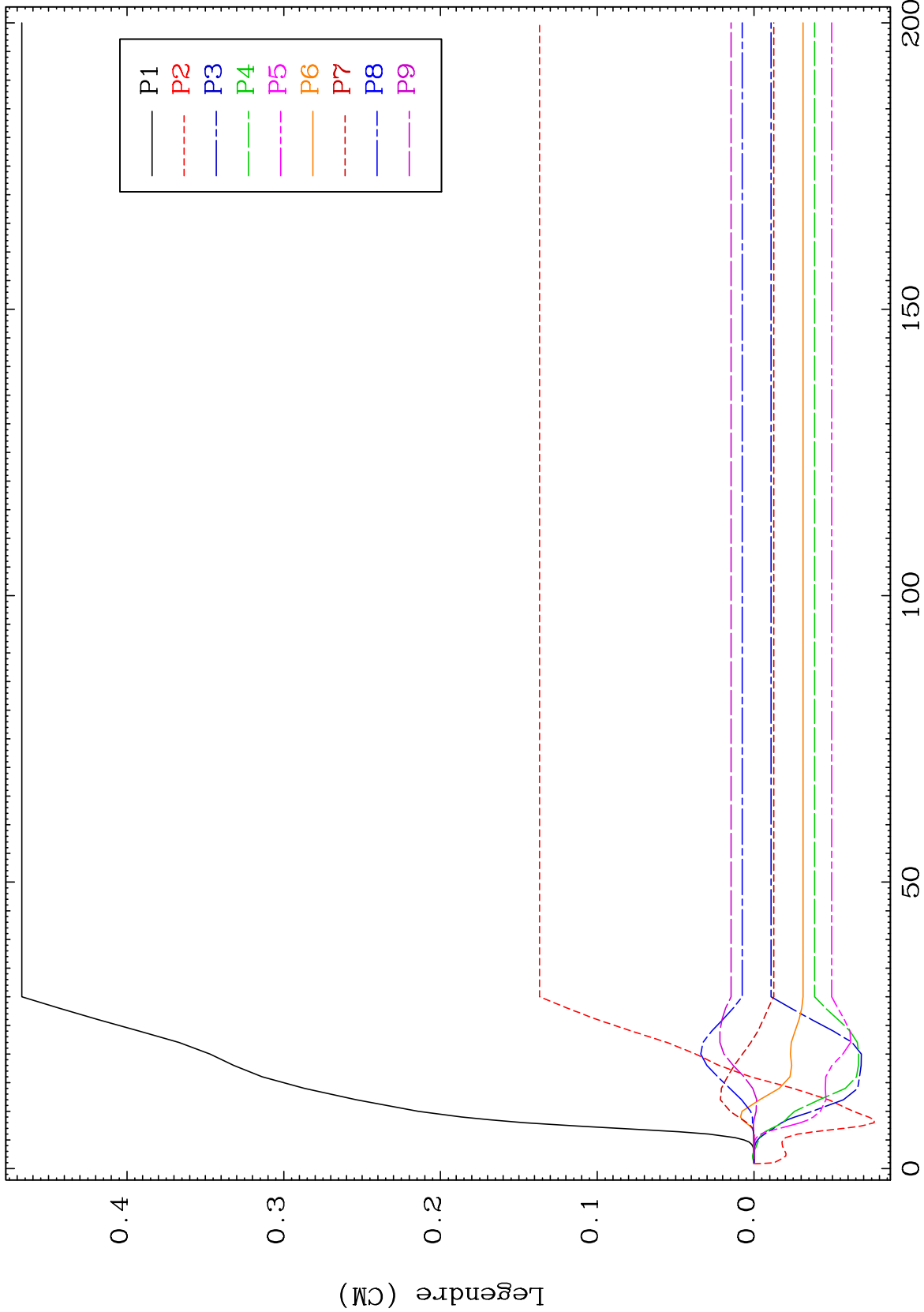
53-I -121



58

Incident Energy (MeV)

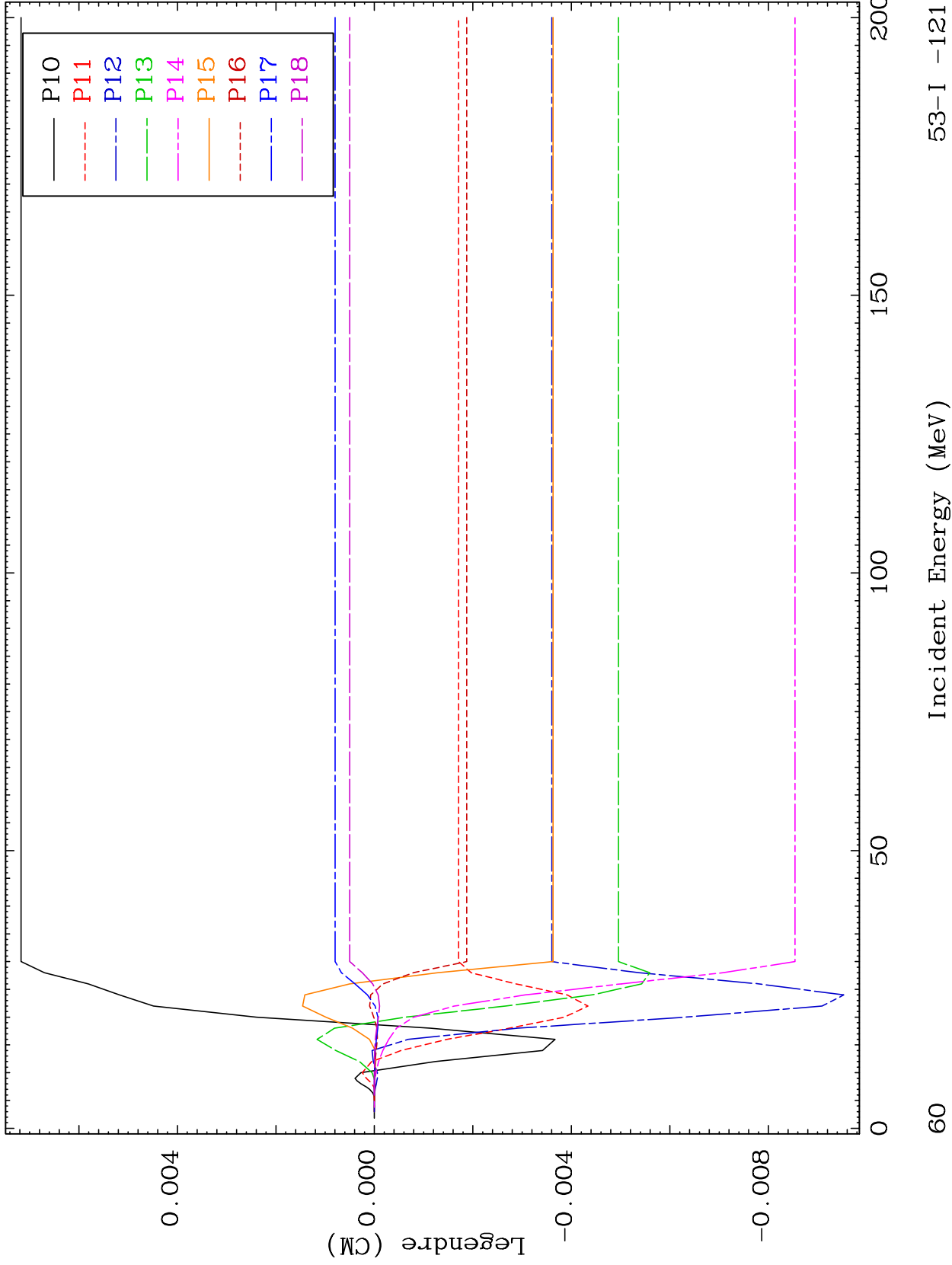
53-I -121



MAT 5307

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

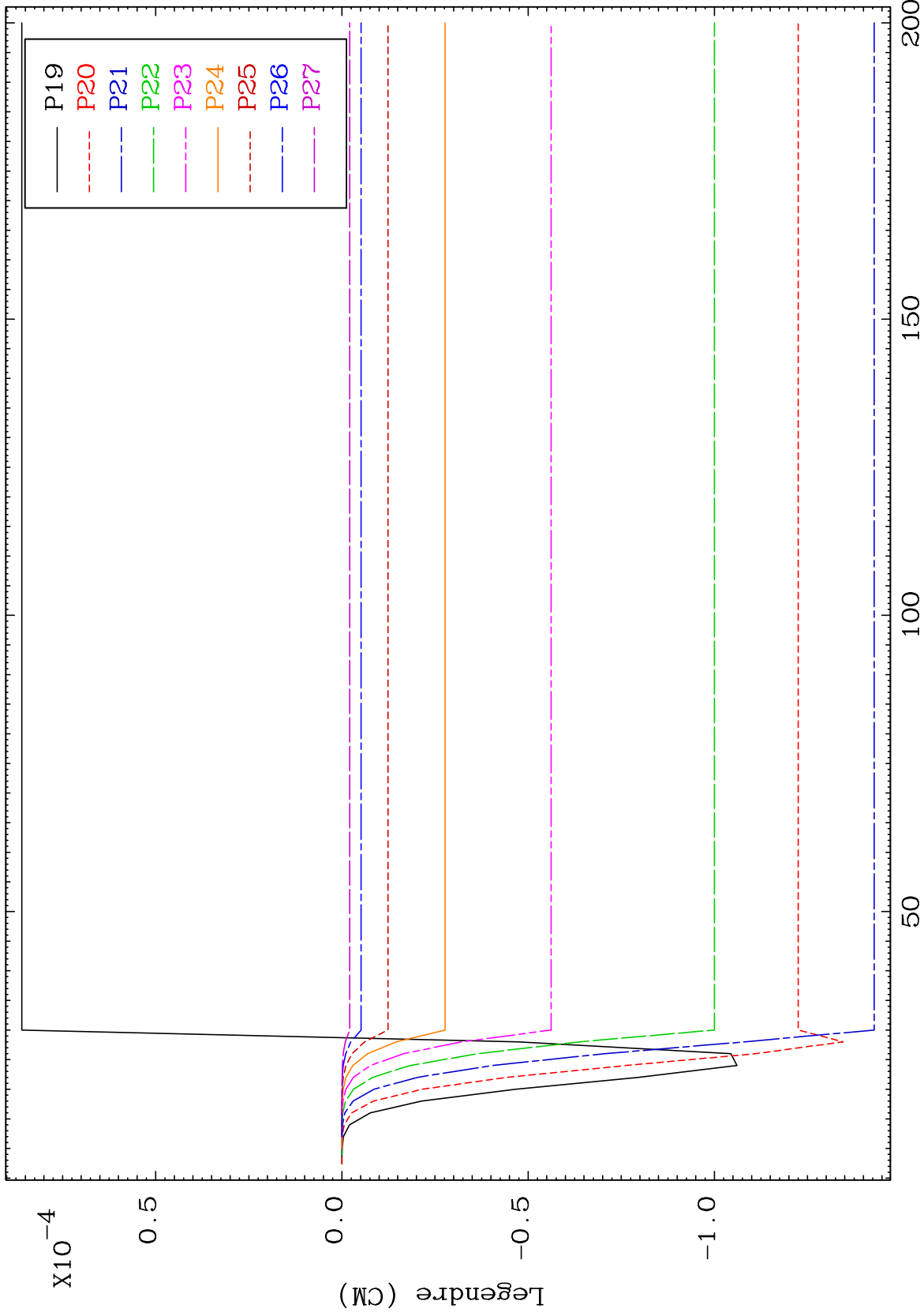
53-I -121

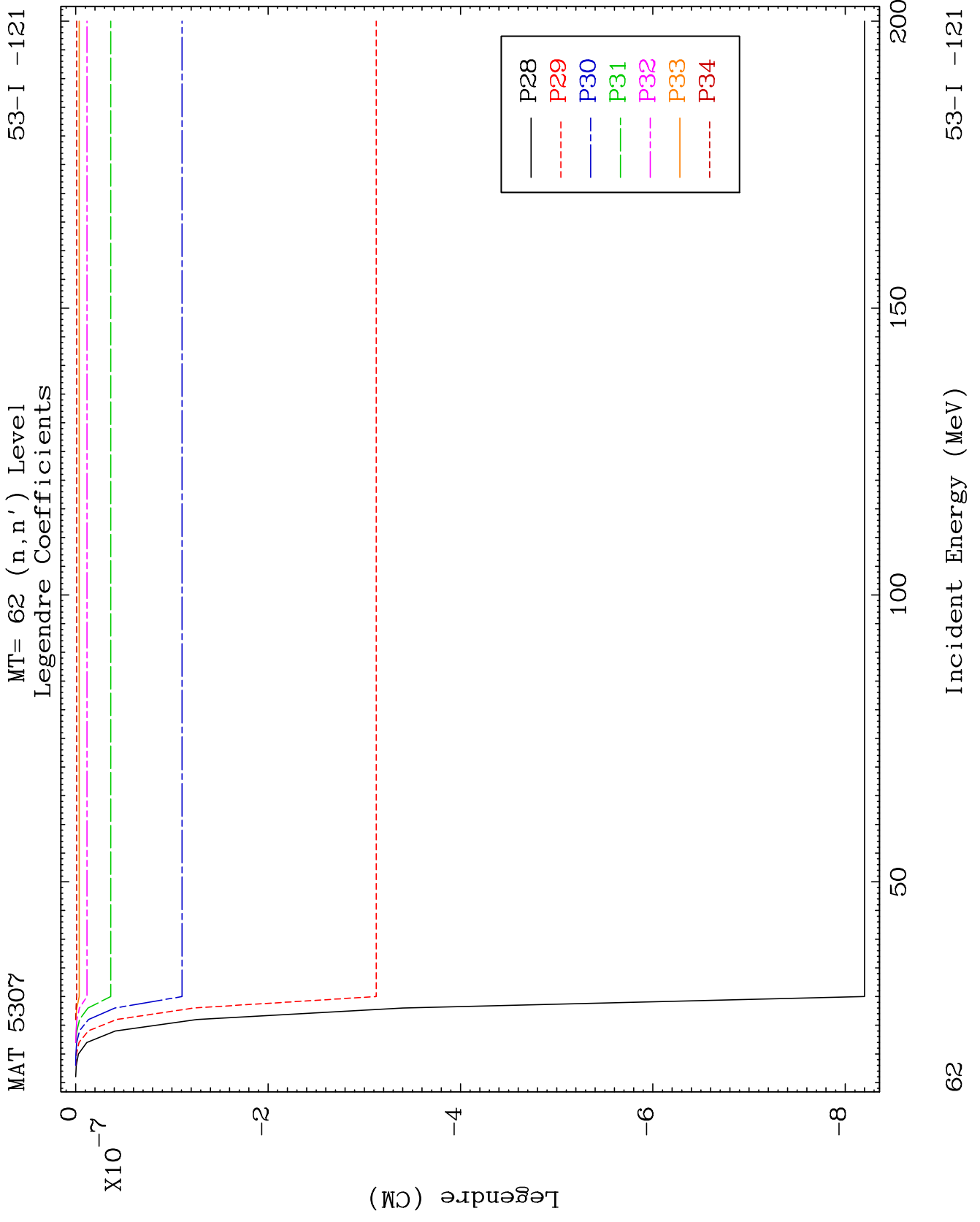


53-I -121

Incident Energy (MeV)

60

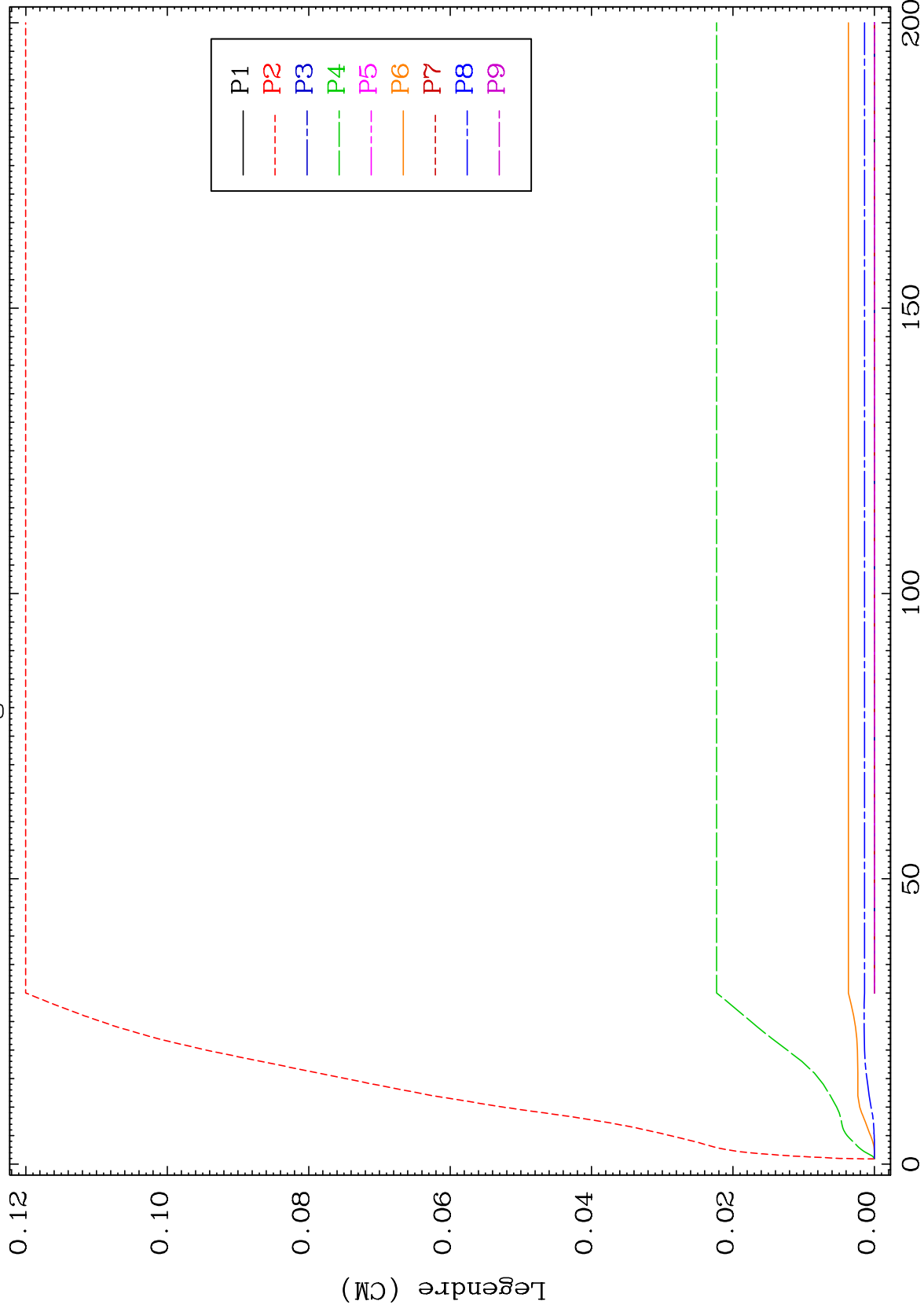




MAT 5307

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

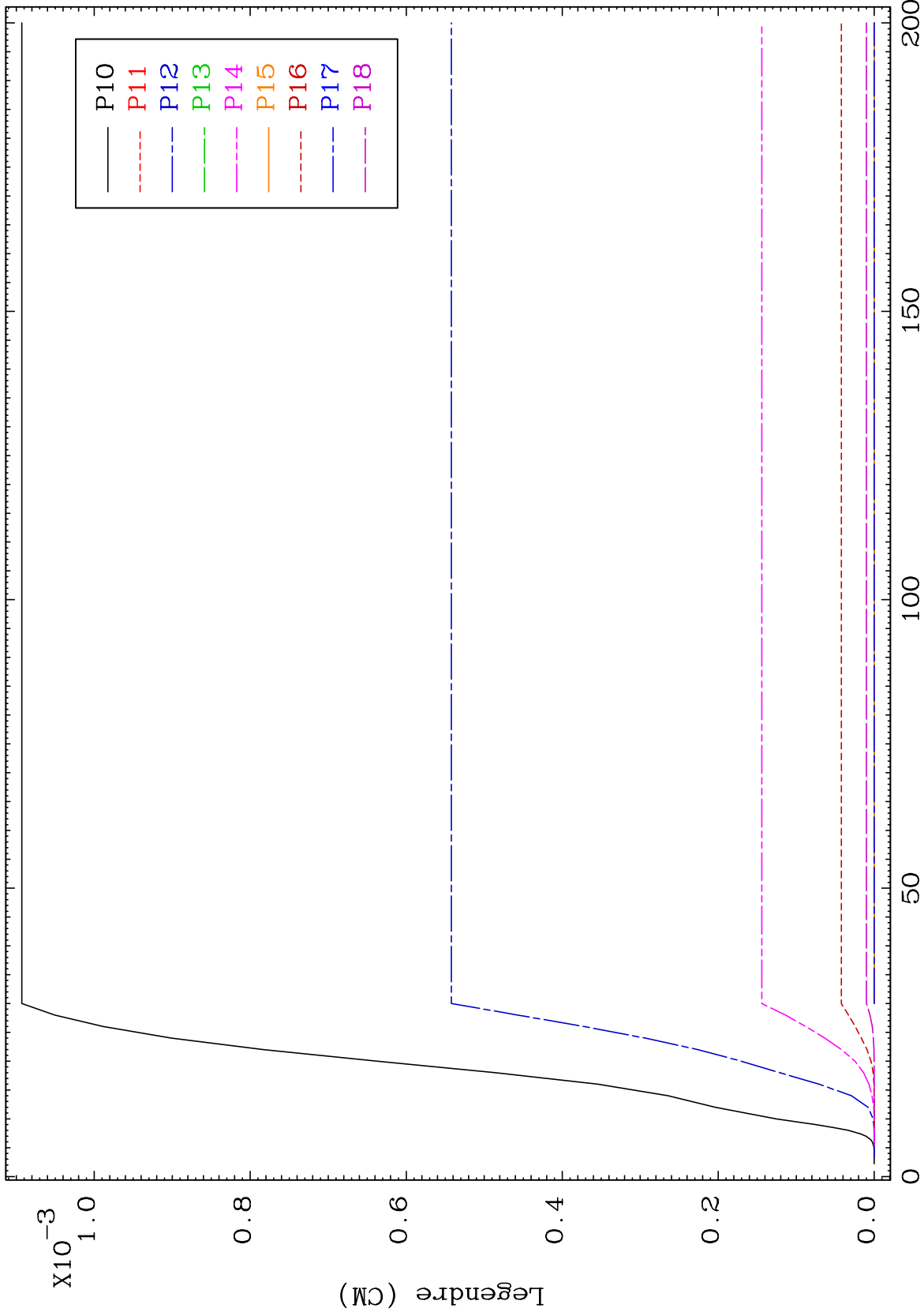
53-I -121



63

Incident Energy (MeV)

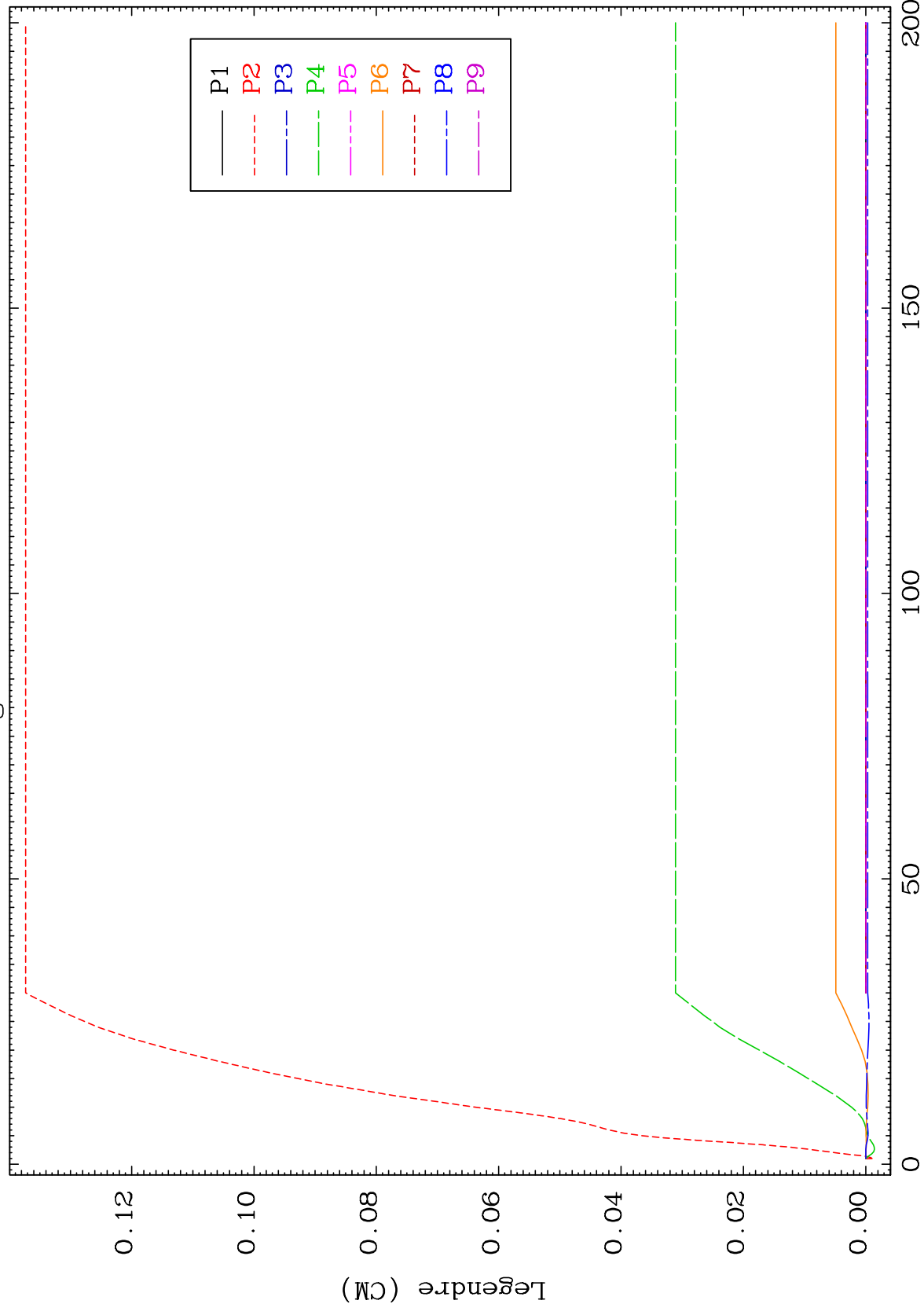
53-I -121



MAT 5307

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

53-I -121



66

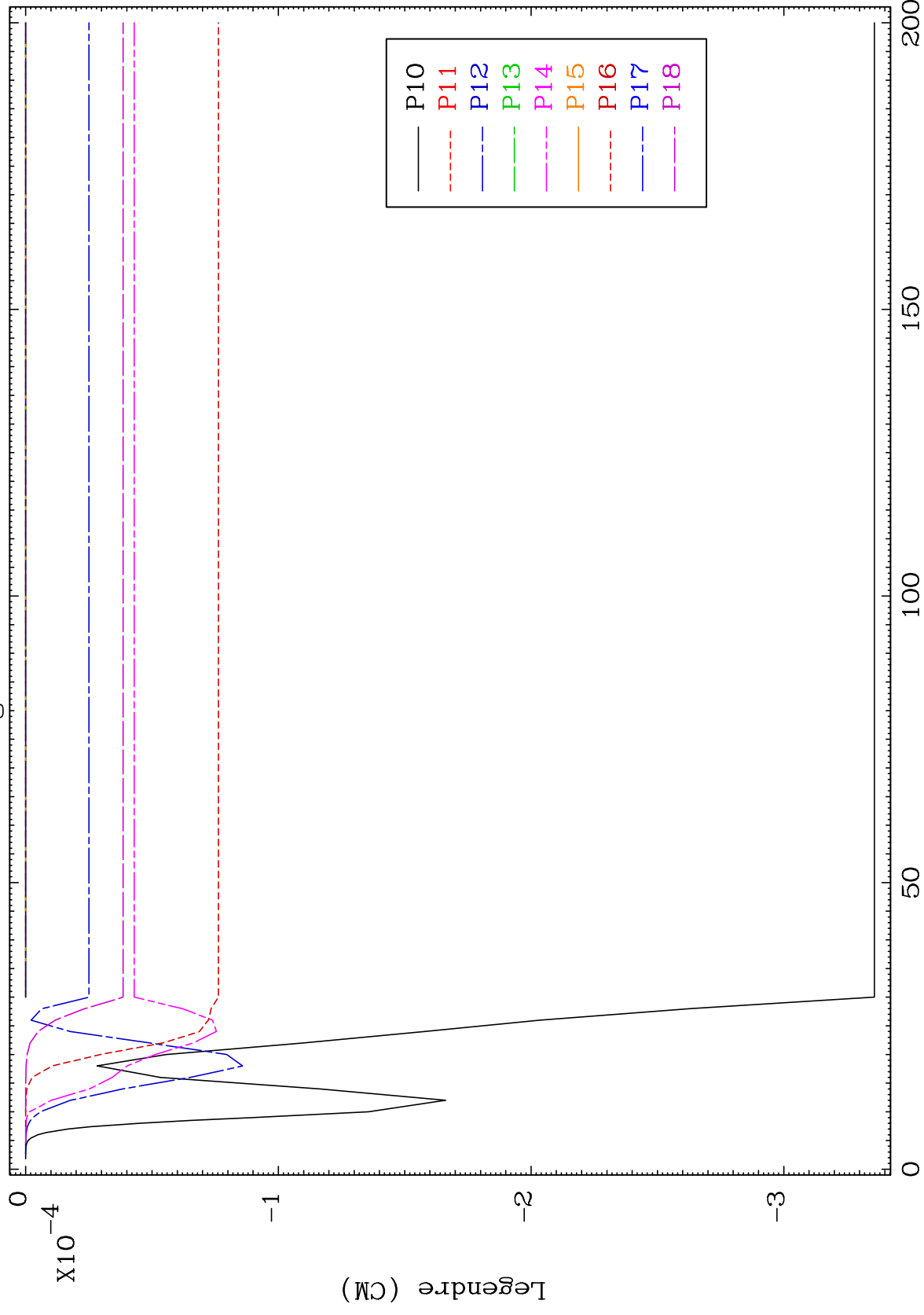
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



67

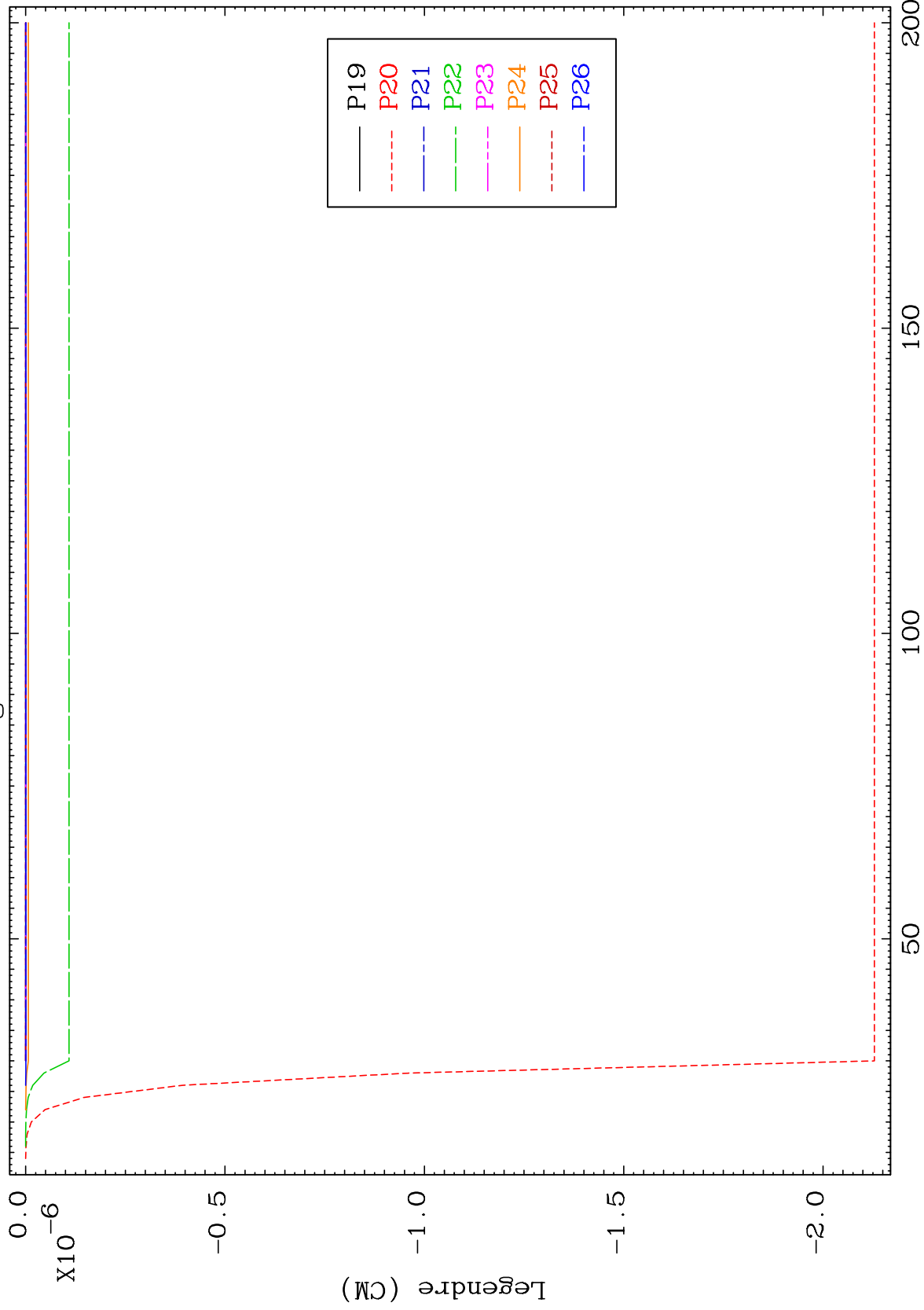
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



68

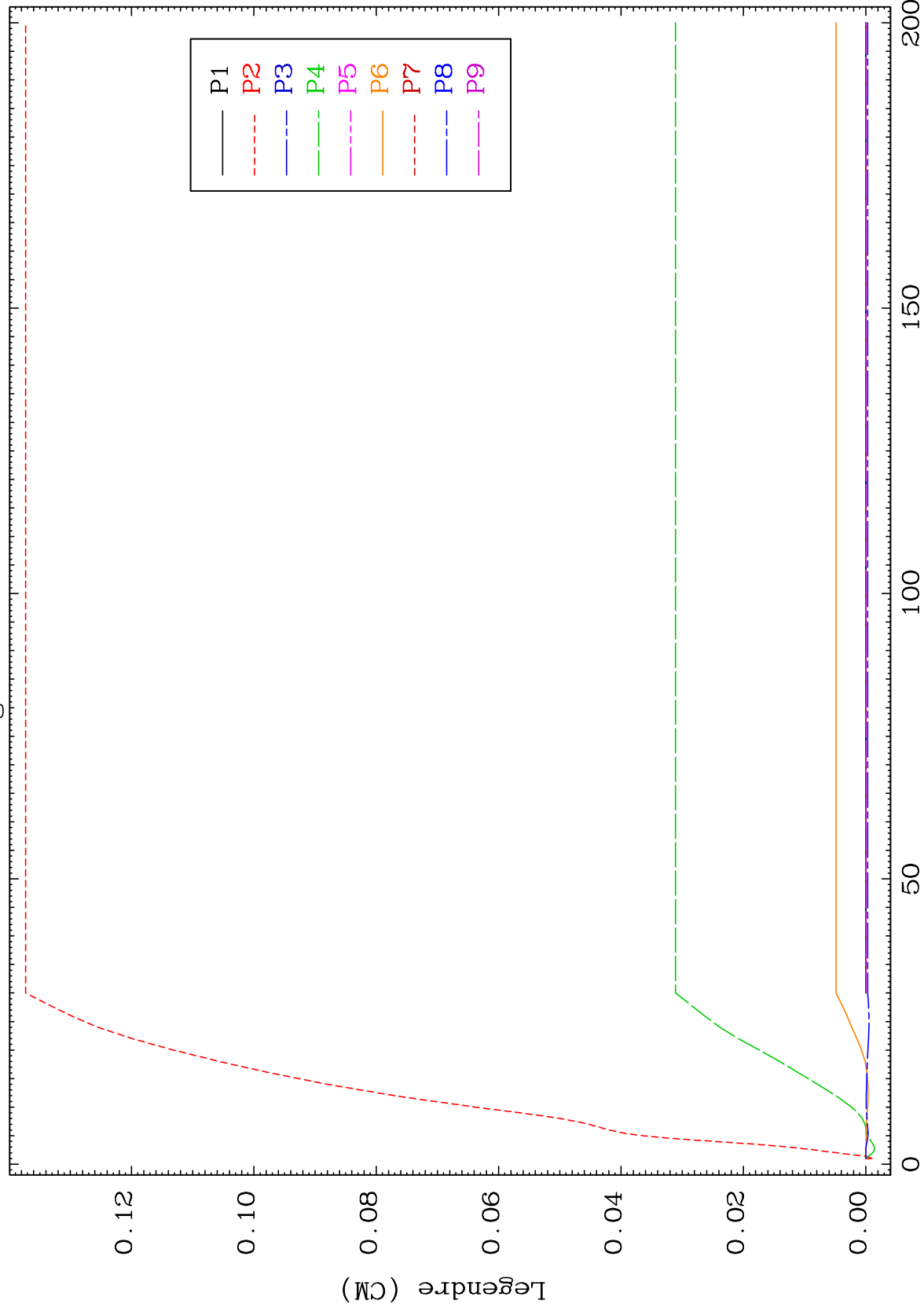
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



69

Incident Energy (MeV)

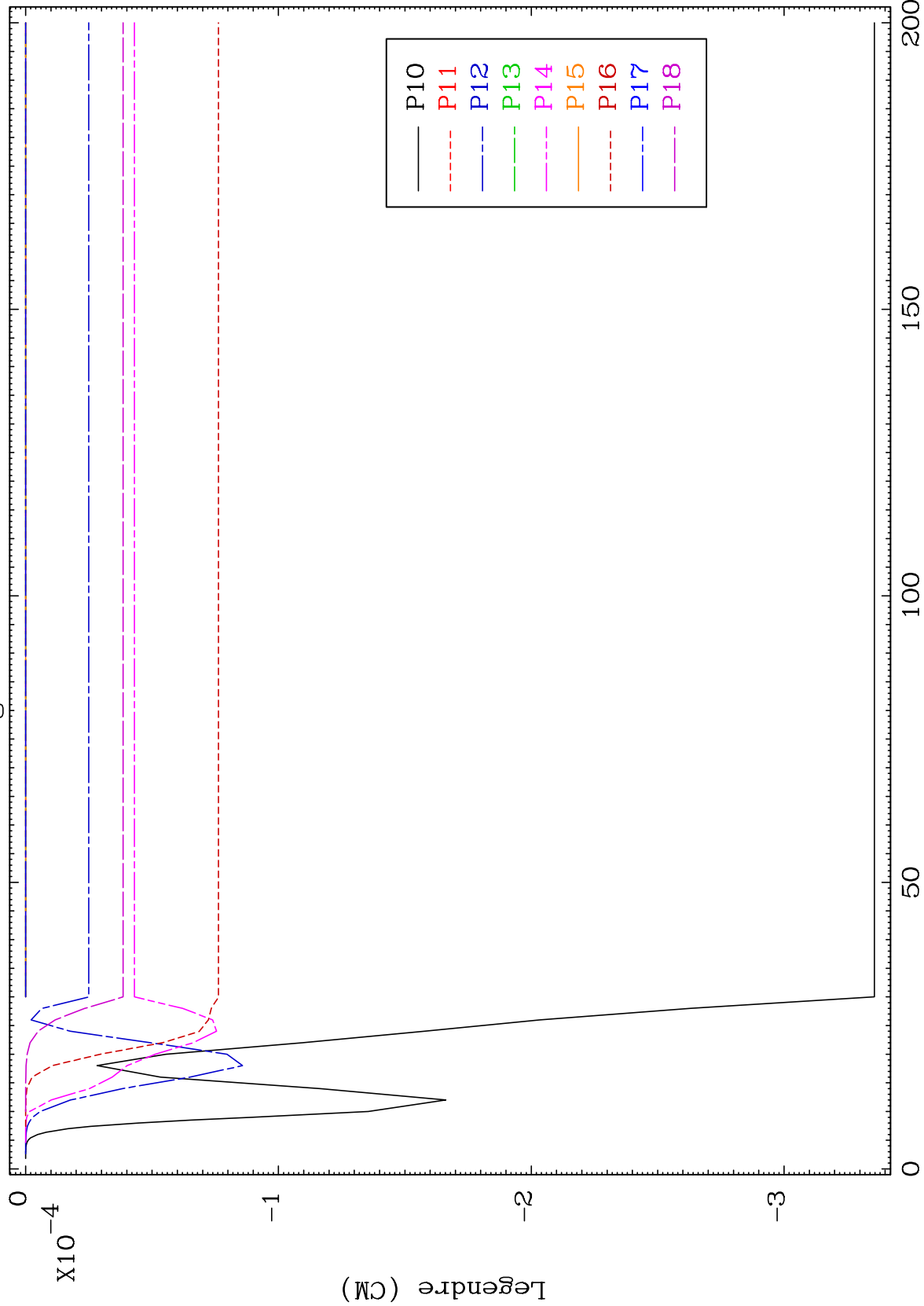
53-I -121

MAT 5307

MT= 65 (n,n') Level

53-I -121

Legendre Coefficients



70

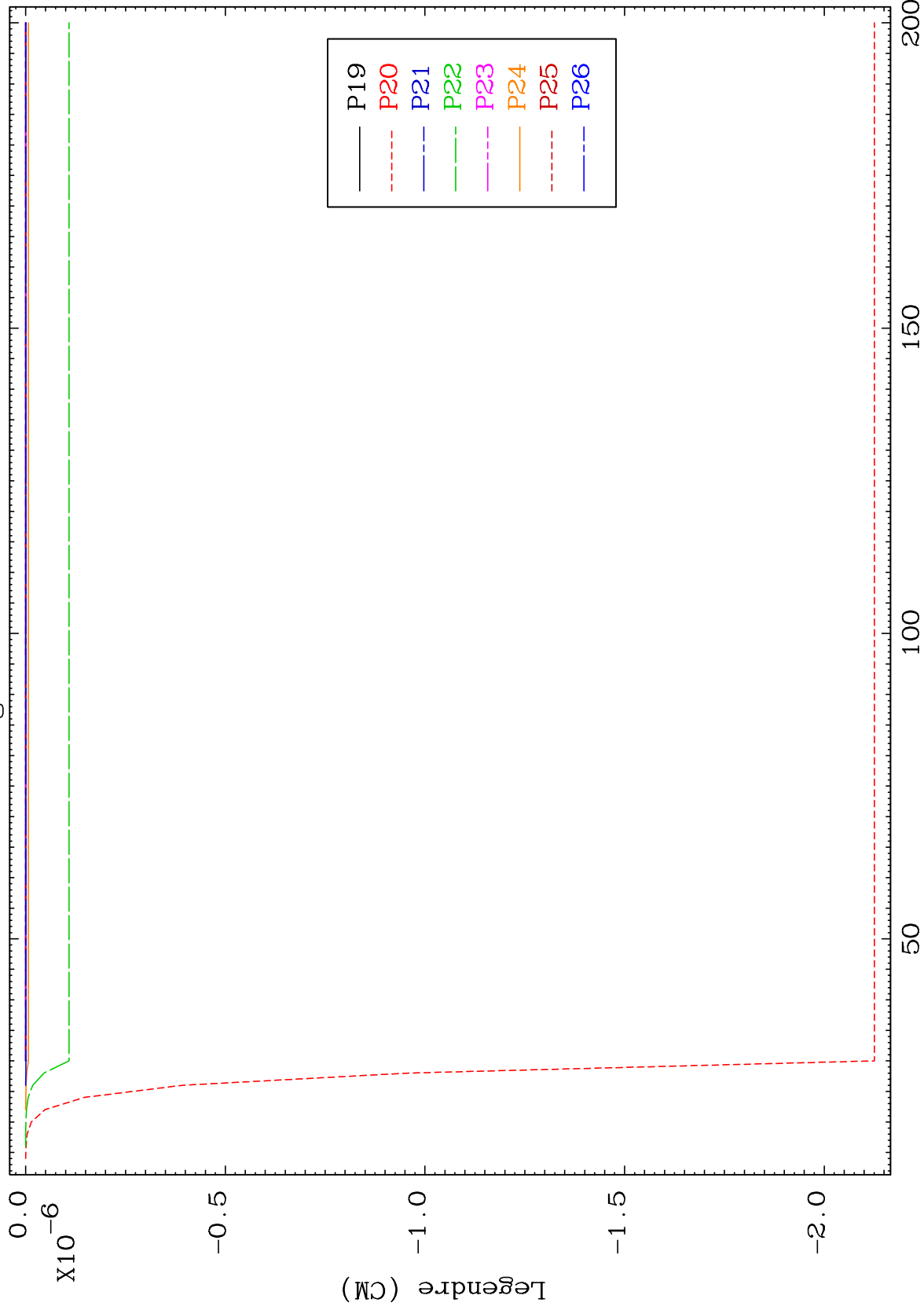
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



71

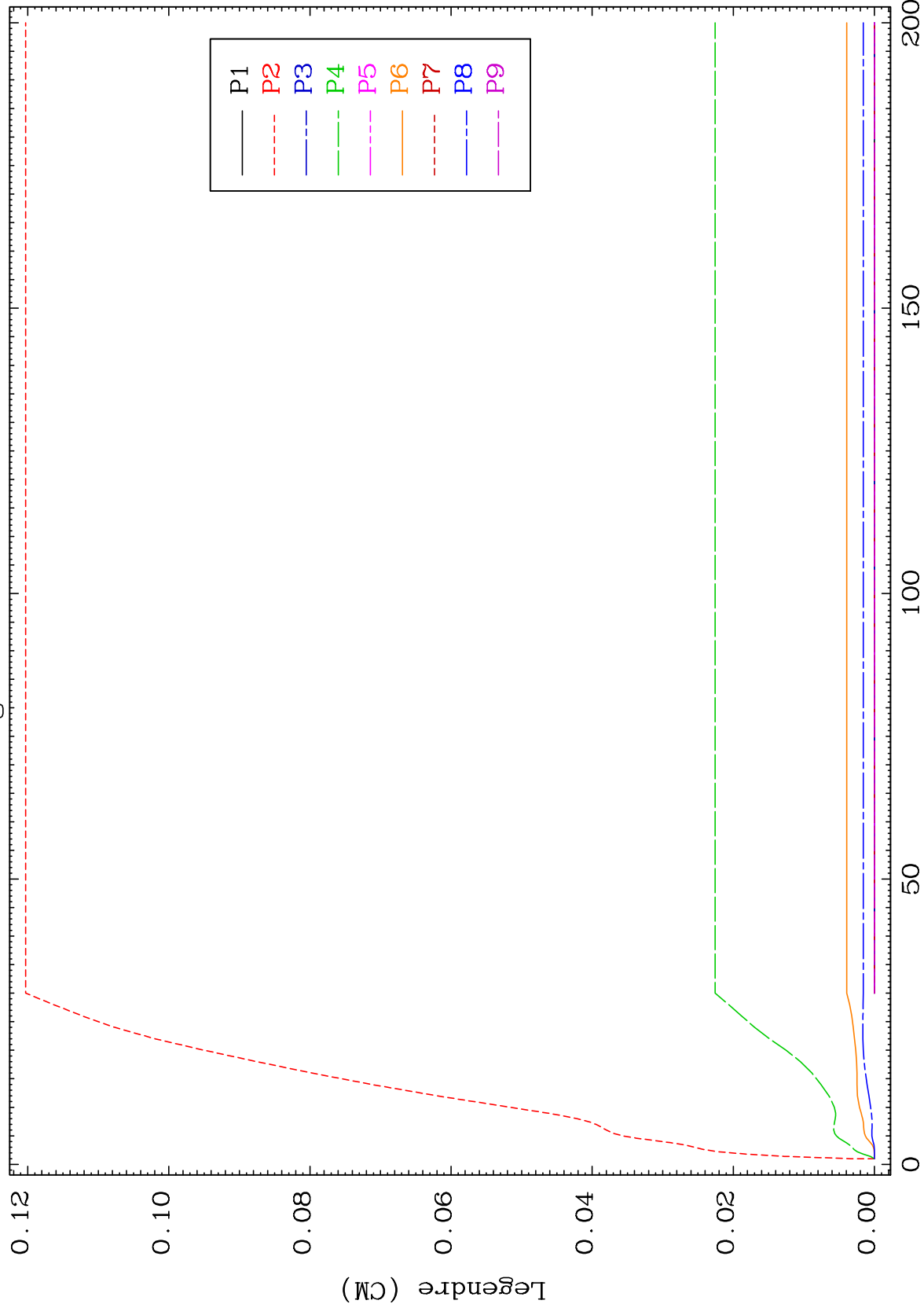
Incident Energy (MeV)

53-I -121

MAT 5307

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

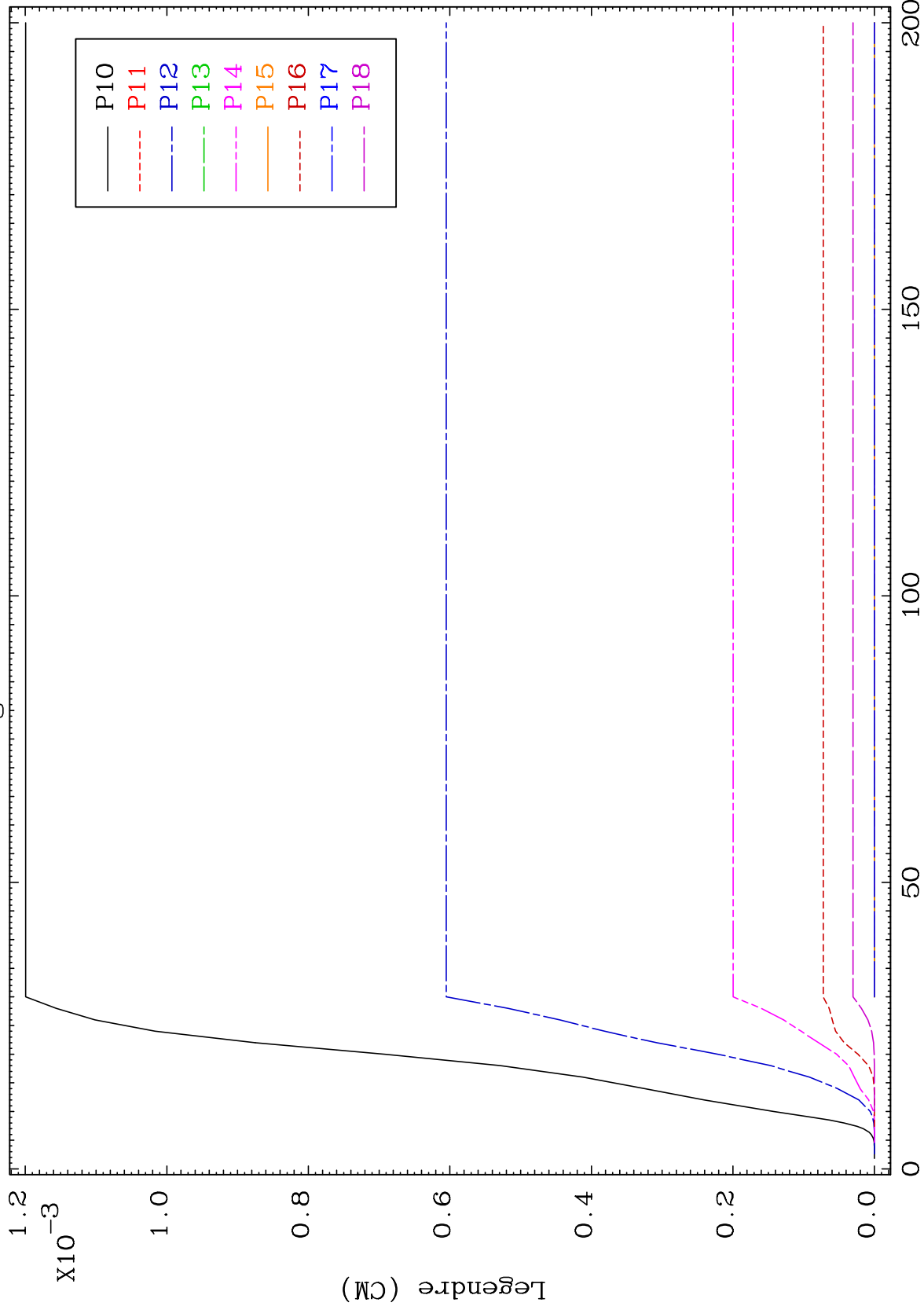
53-I -121



72

Incident Energy (MeV)

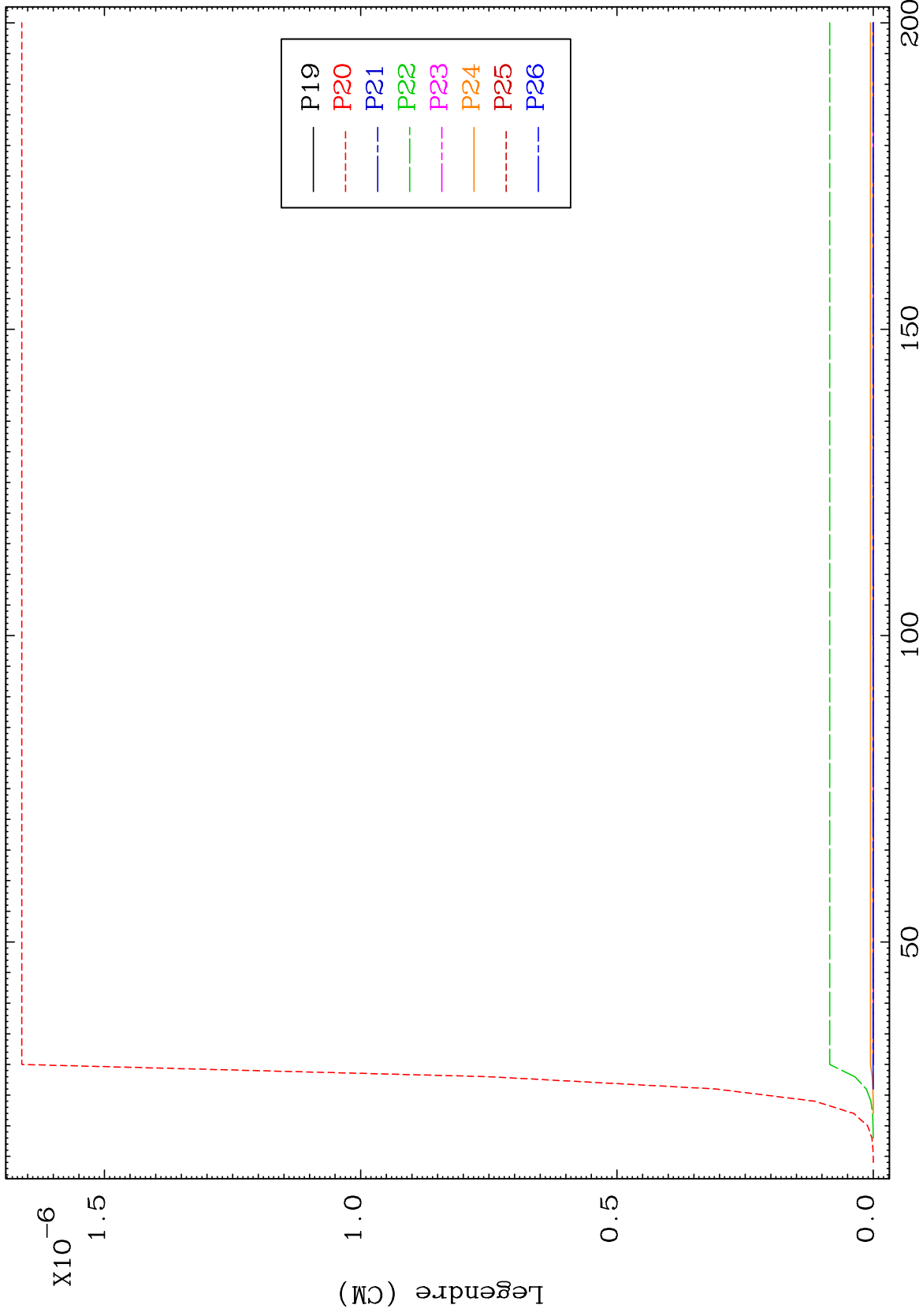
53-I -121



MAT 5307

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

53-I -121



74

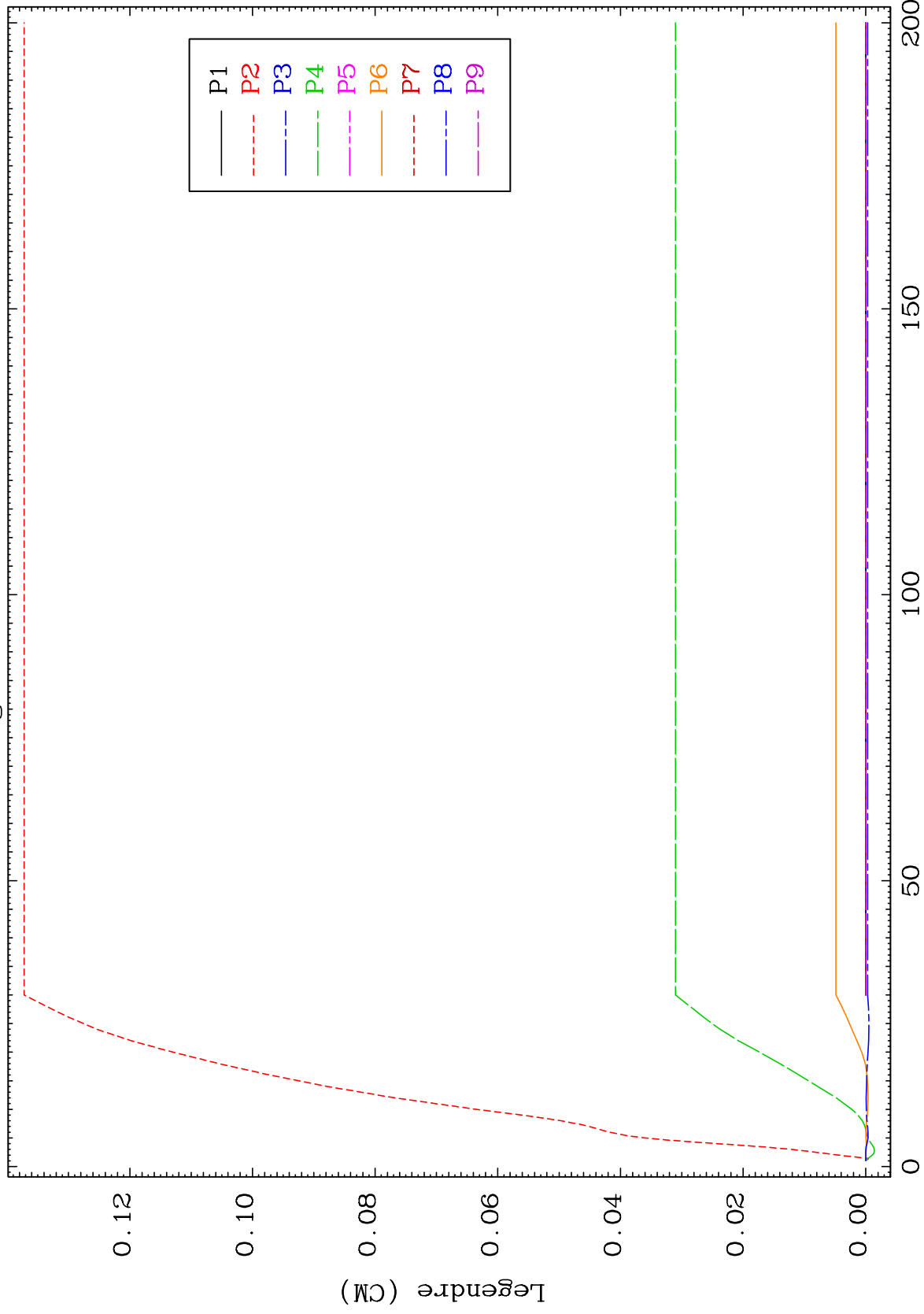
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



75

Incident Energy (MeV)

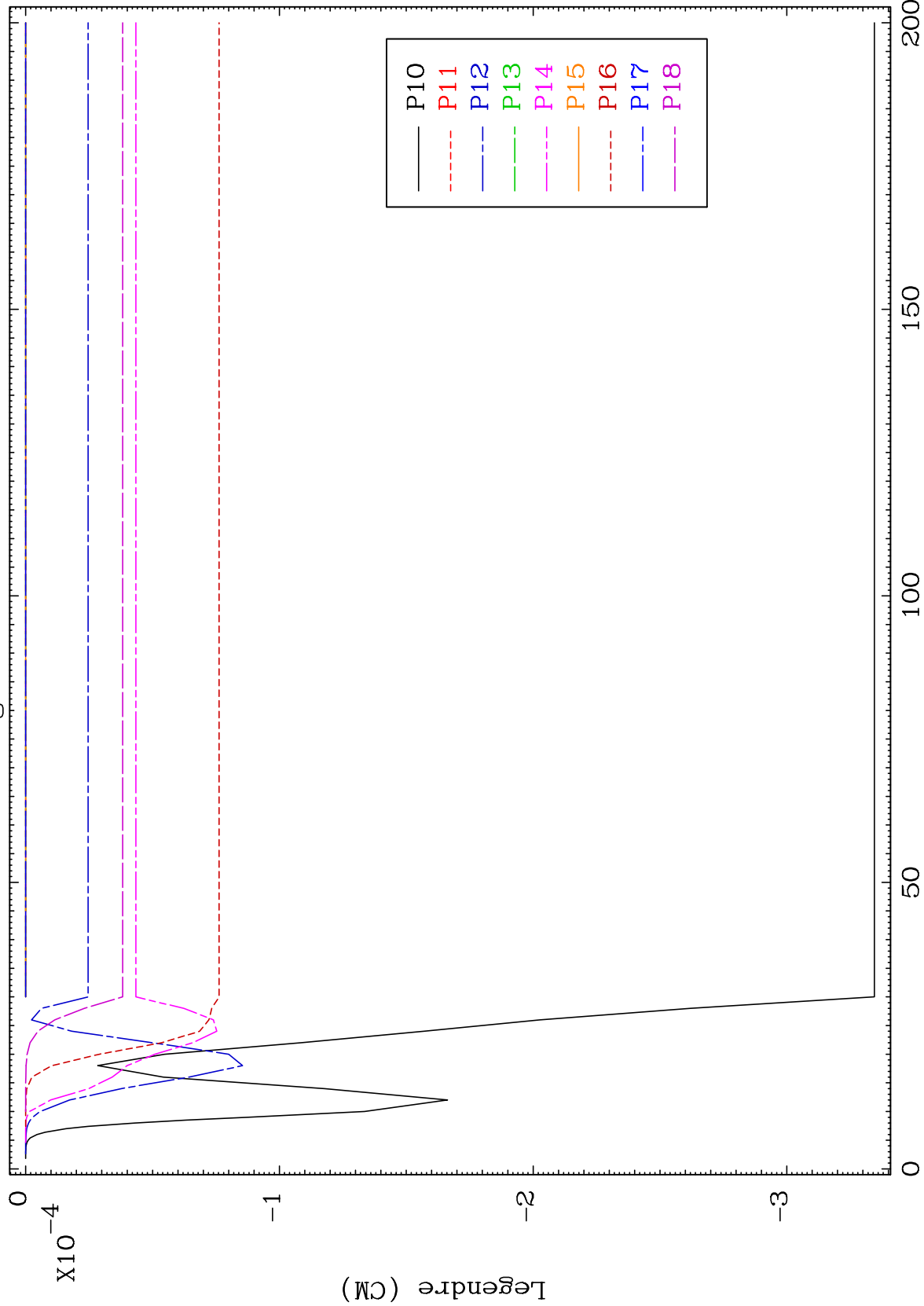
53-I -121

MAT 5307

MT= 67 (n,n') Level

53-I -121

Legendre Coefficients



76

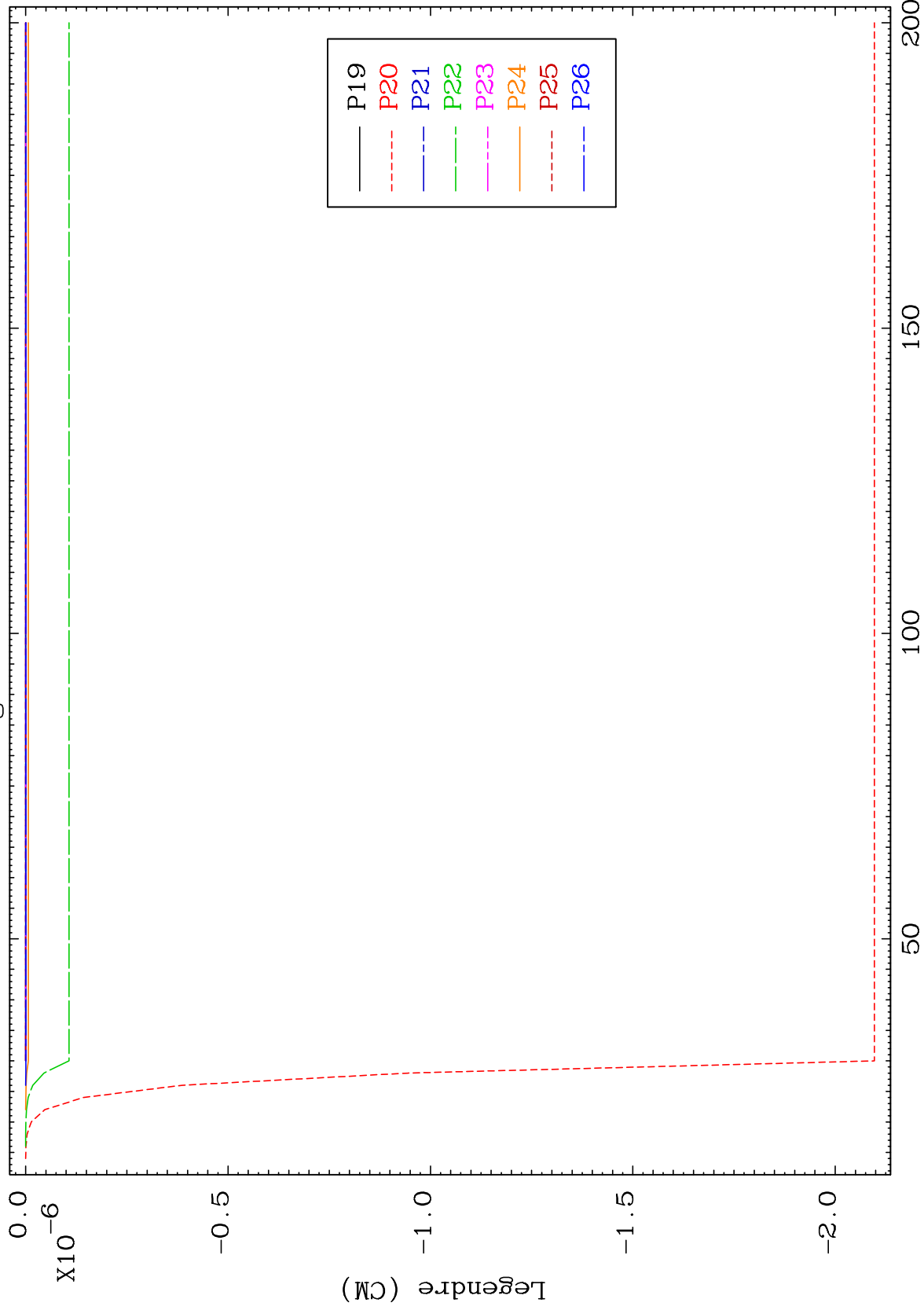
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



77

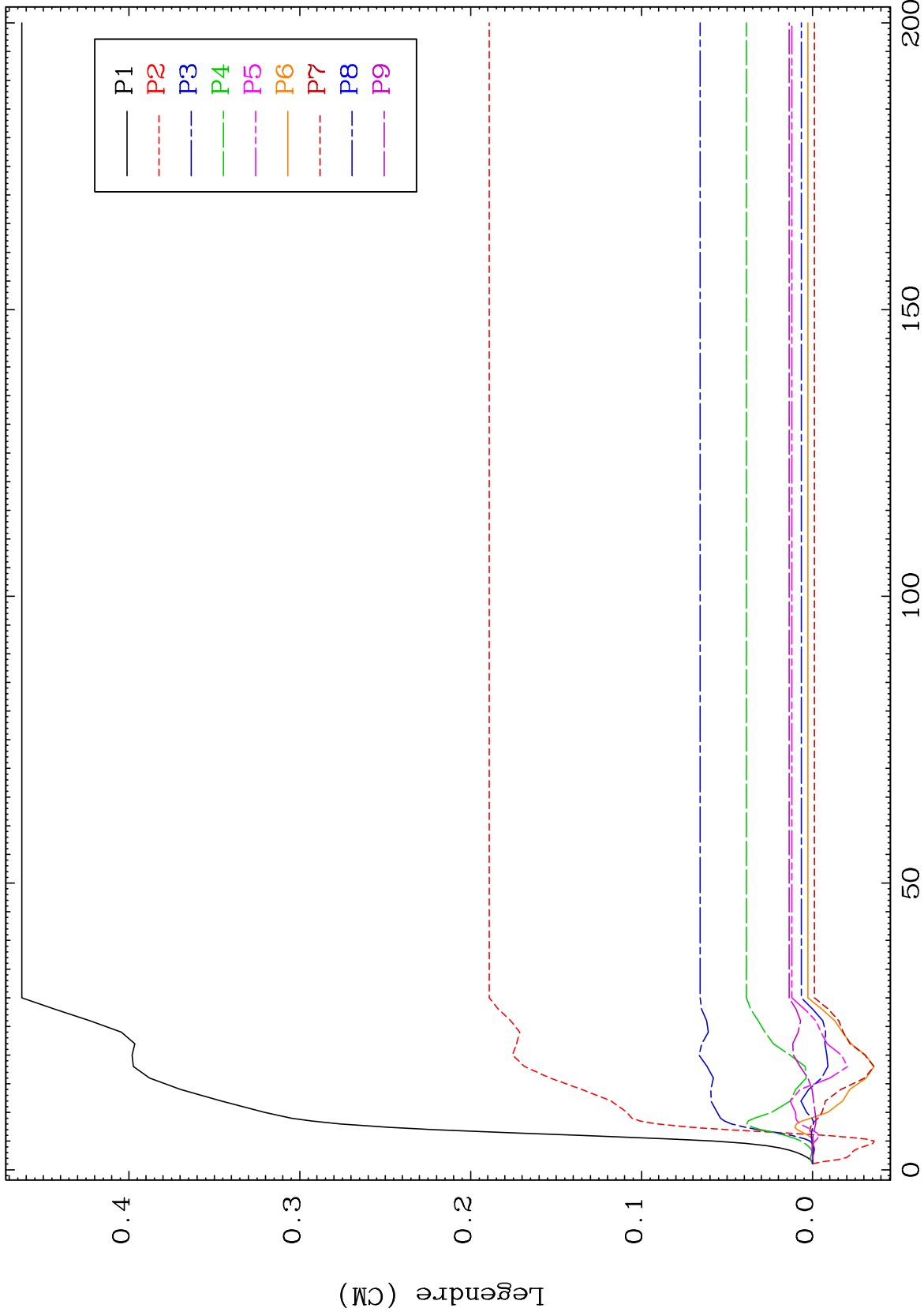
Incident Energy (MeV)

53-I -121

MAT 5307

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

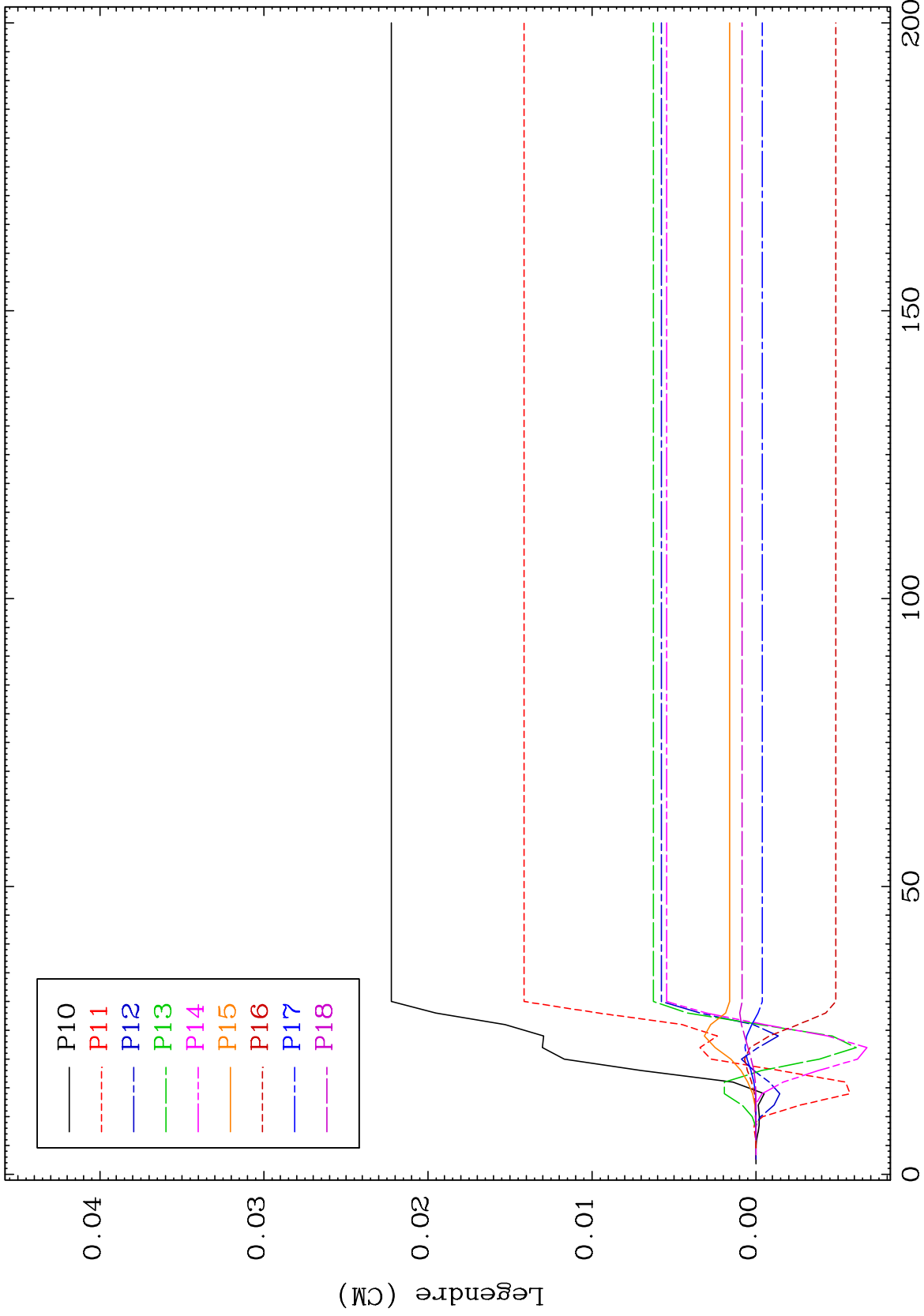
53-I -121

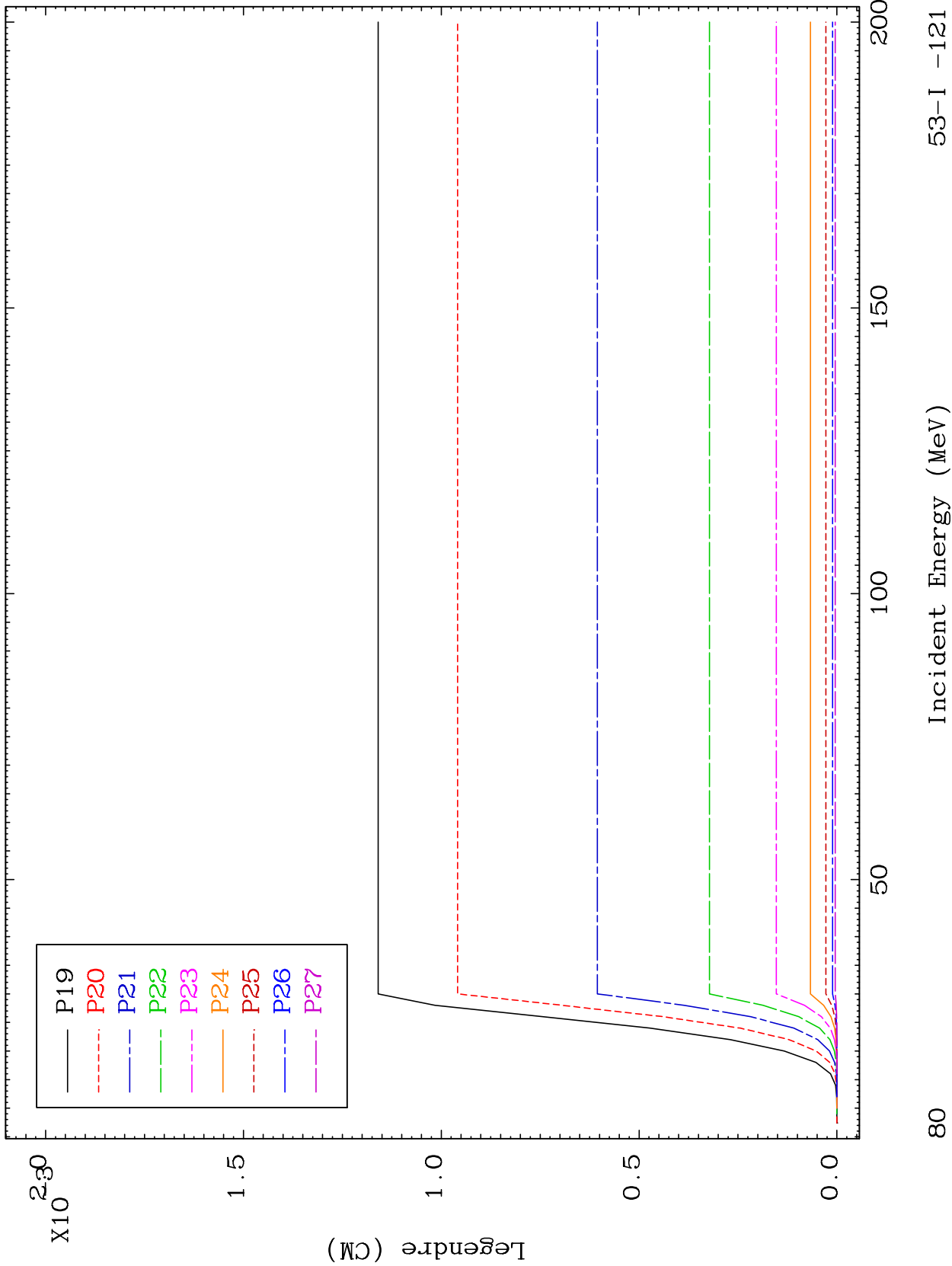


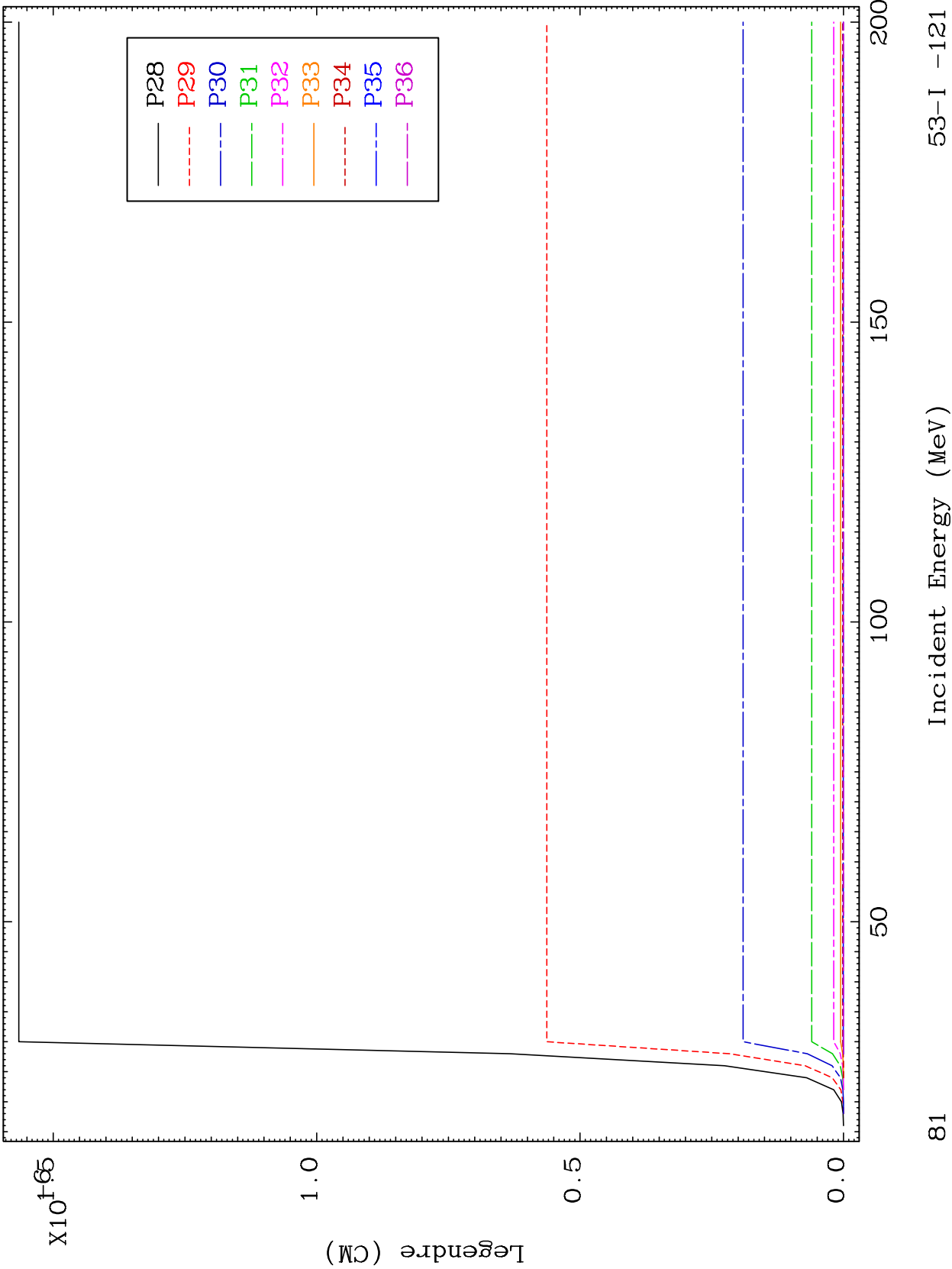
78

Incident Energy (MeV)

53-I -121



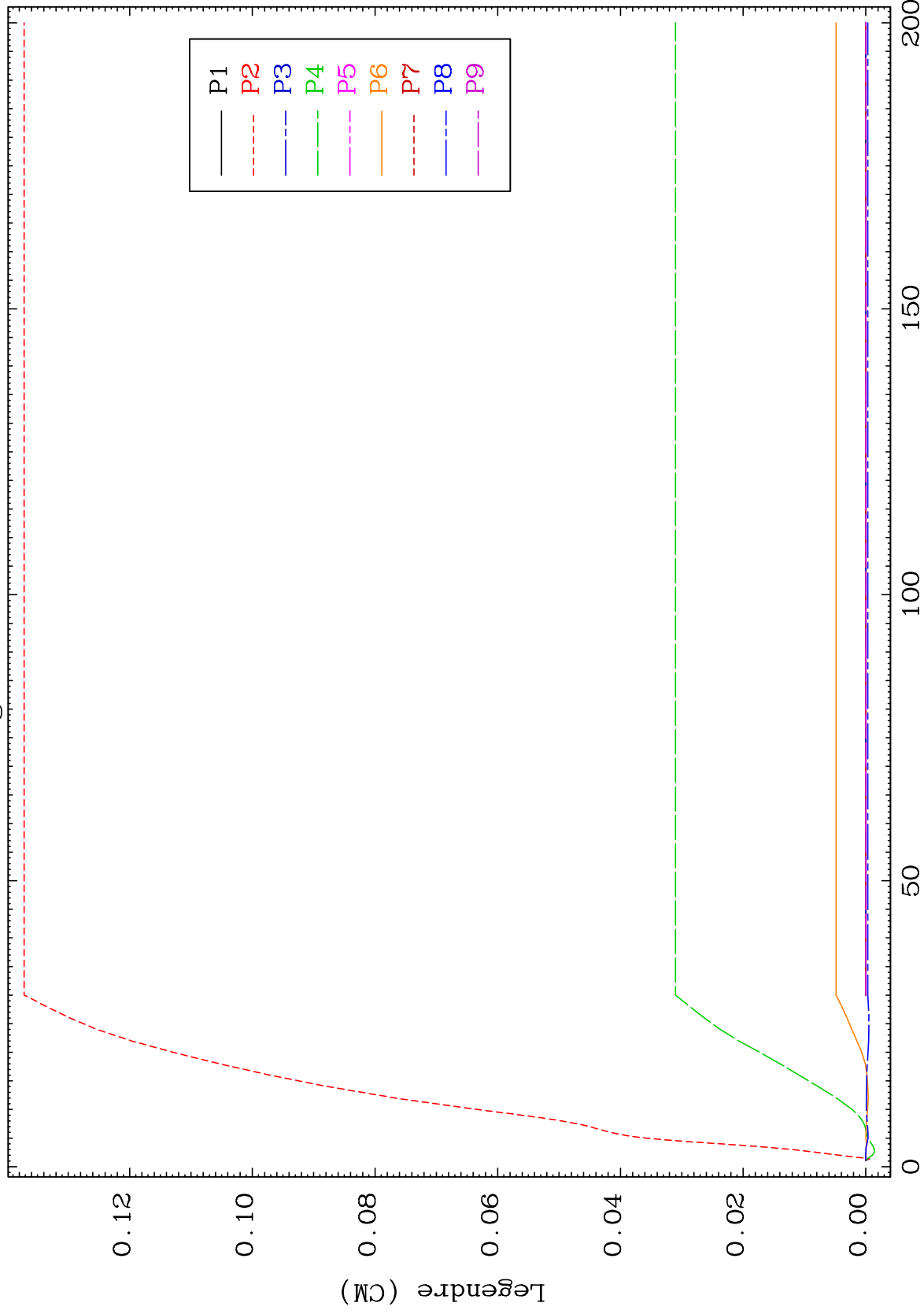




MAT 5307

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

53-I -121



82

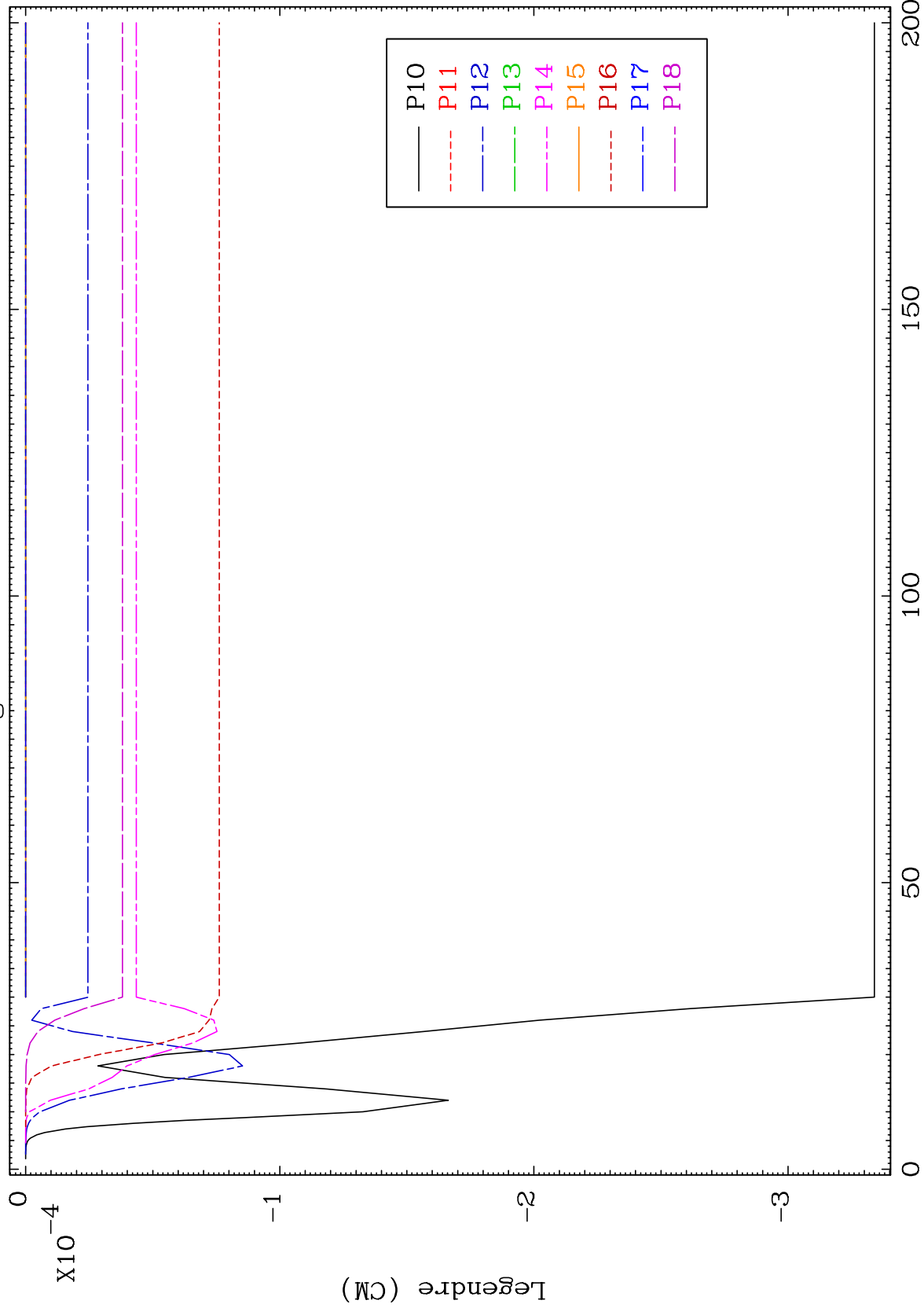
Incident Energy (MeV)

53-I -121

MAT 5307

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

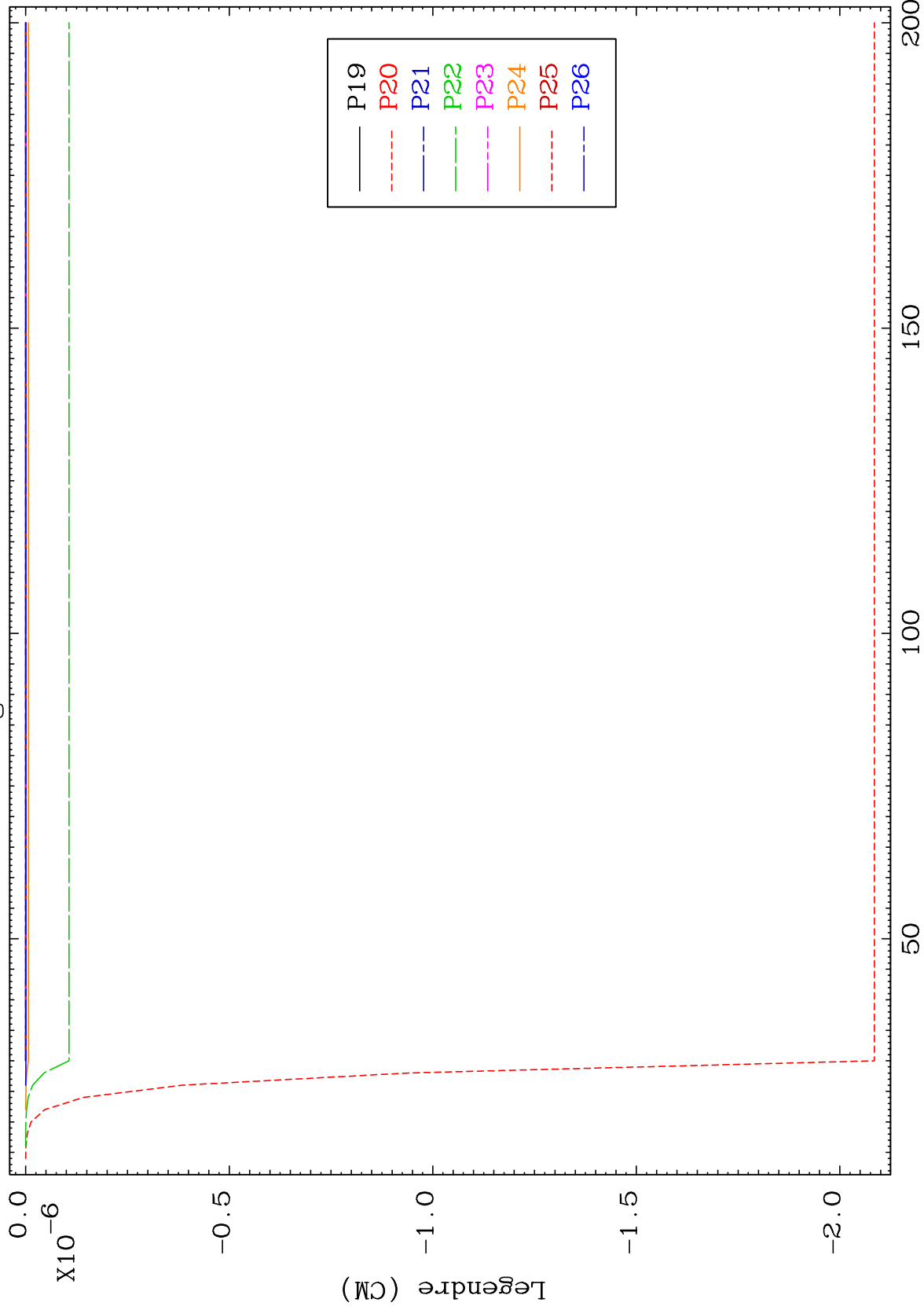
53-I -121



83

Incident Energy (MeV)

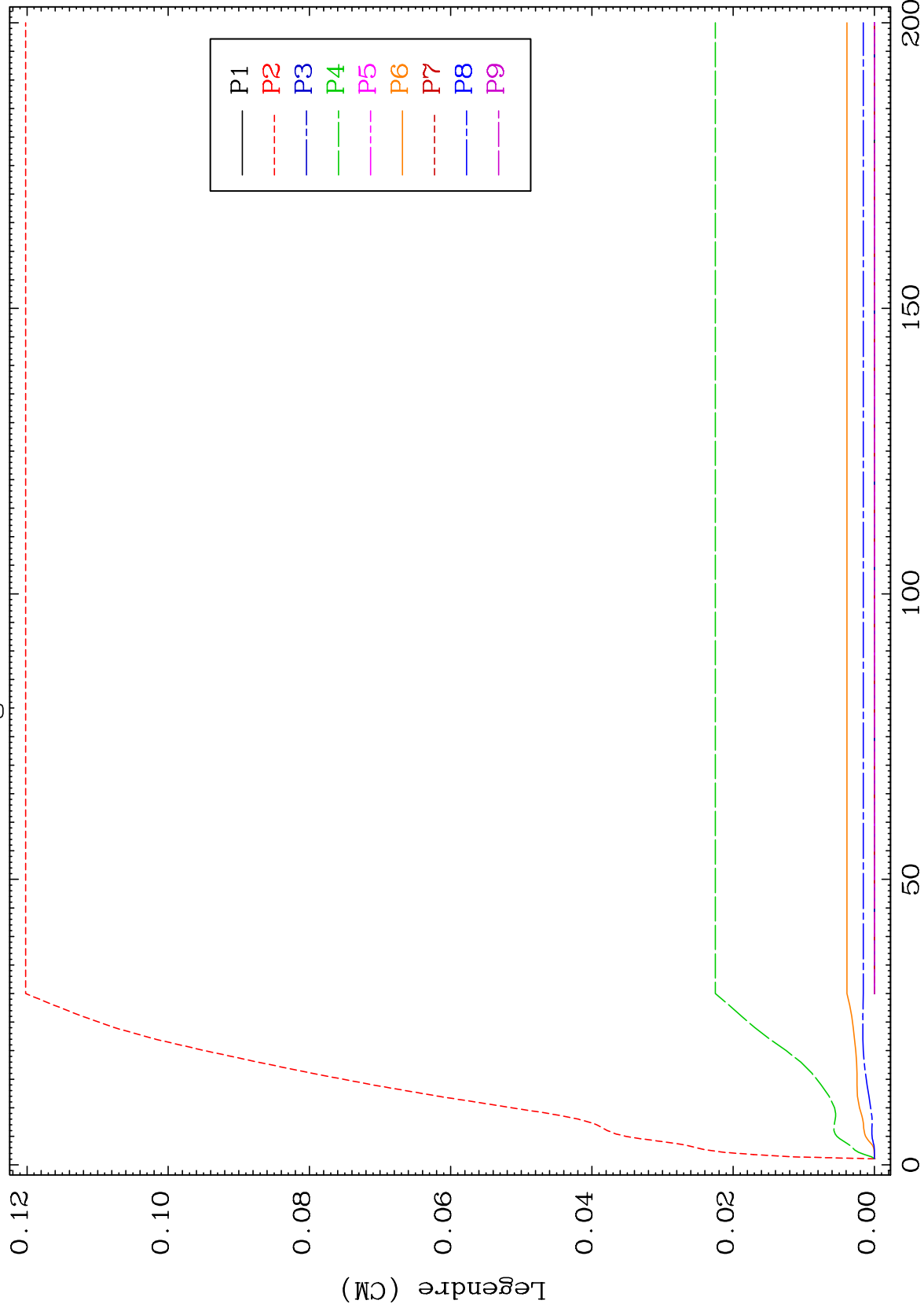
53-I -121



MAT 5307

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

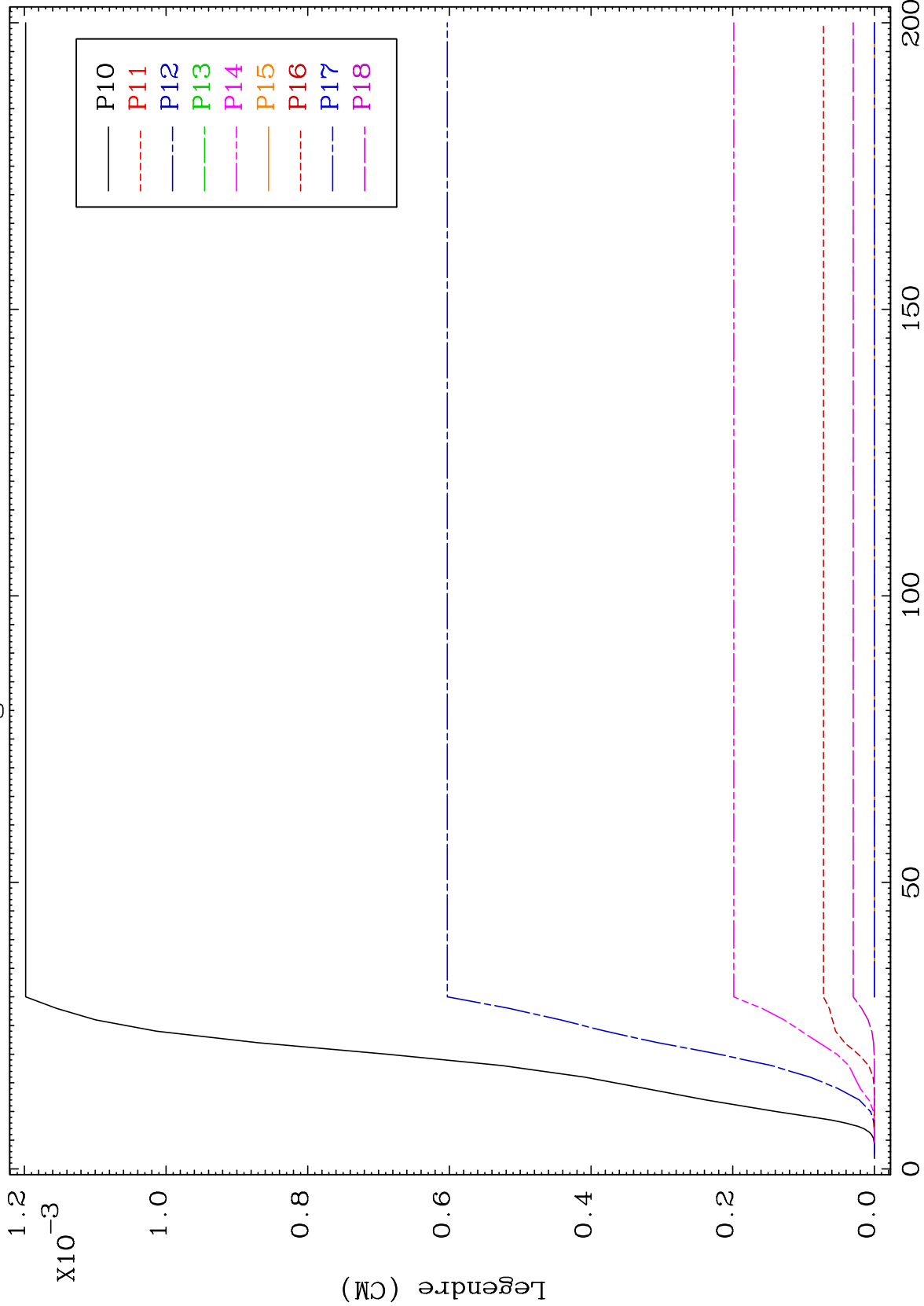
53-I -121



85

Incident Energy (MeV)

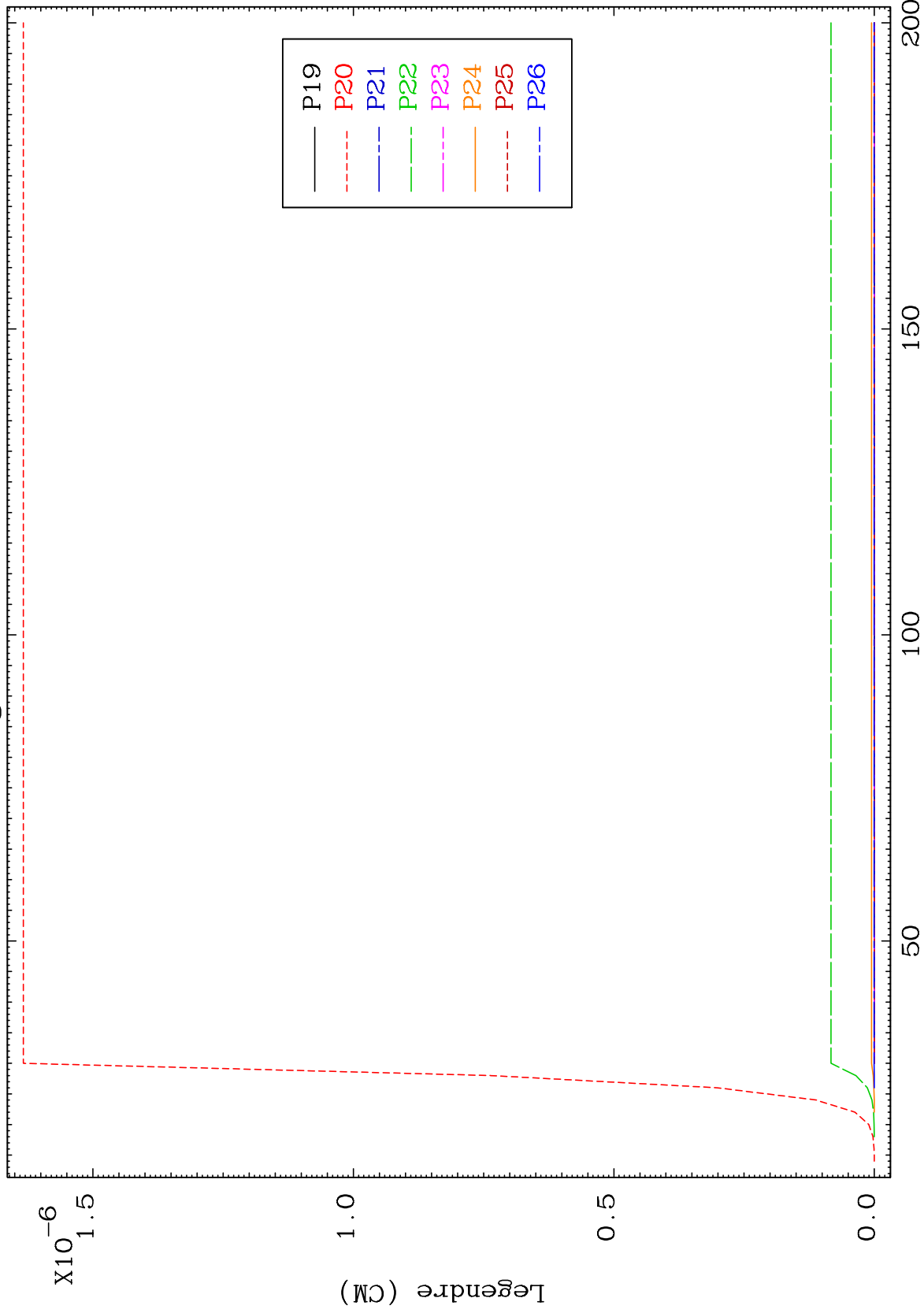
53-I -121



MAT 5307

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

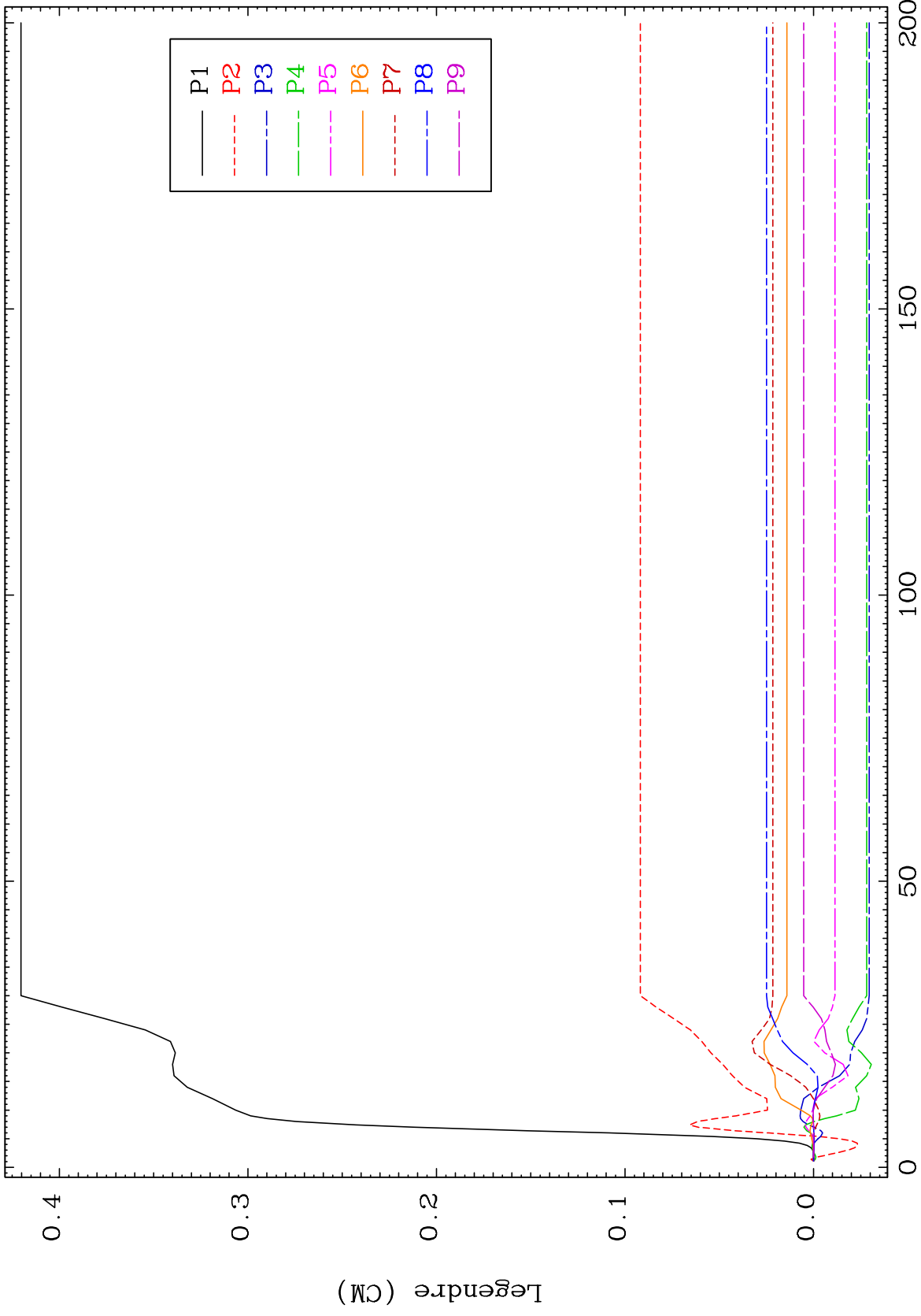
53-I -121



87

Incident Energy (MeV)

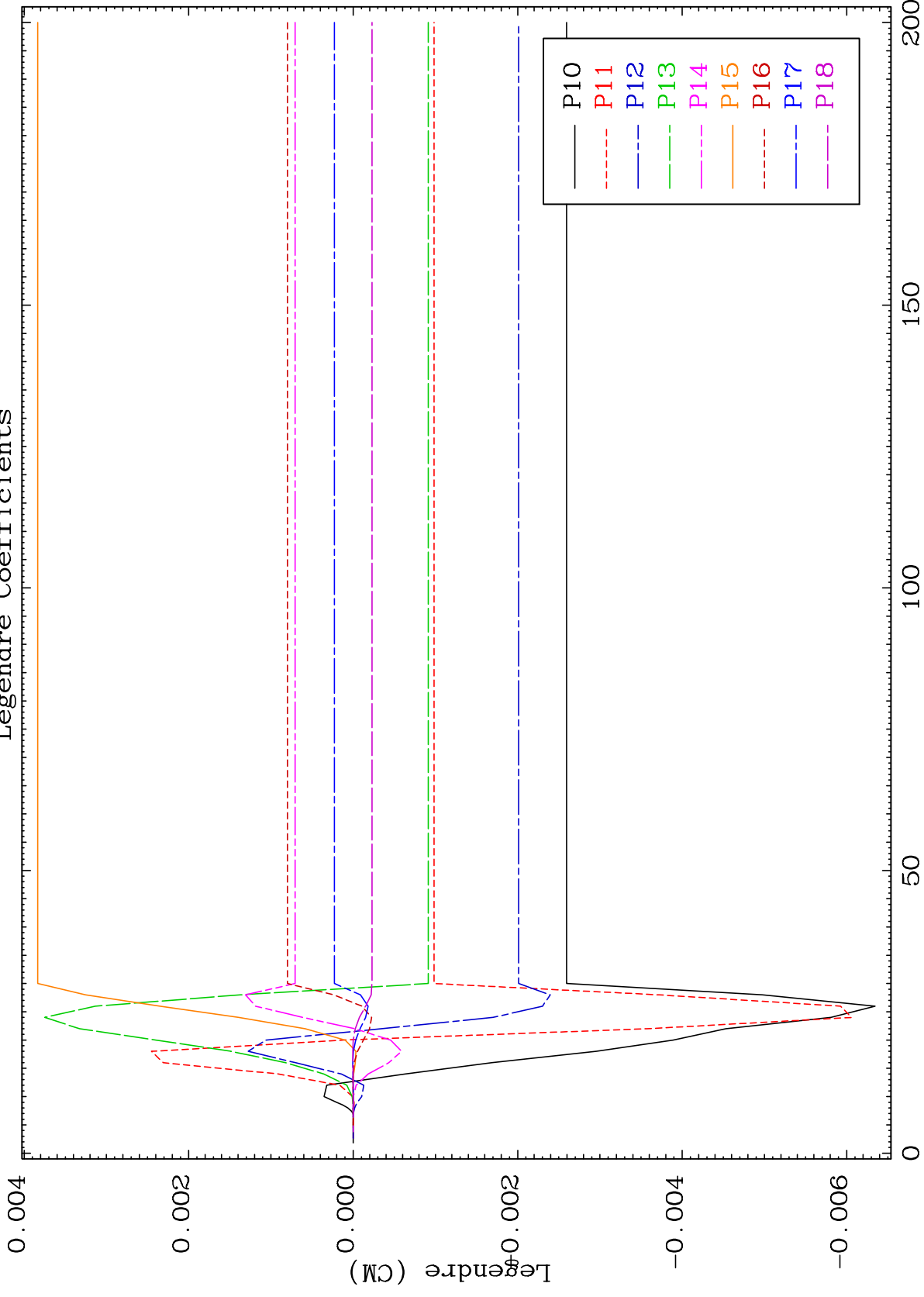
53-I -121



MAT 5307

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

53-I -121



89

Incident Energy (MeV)

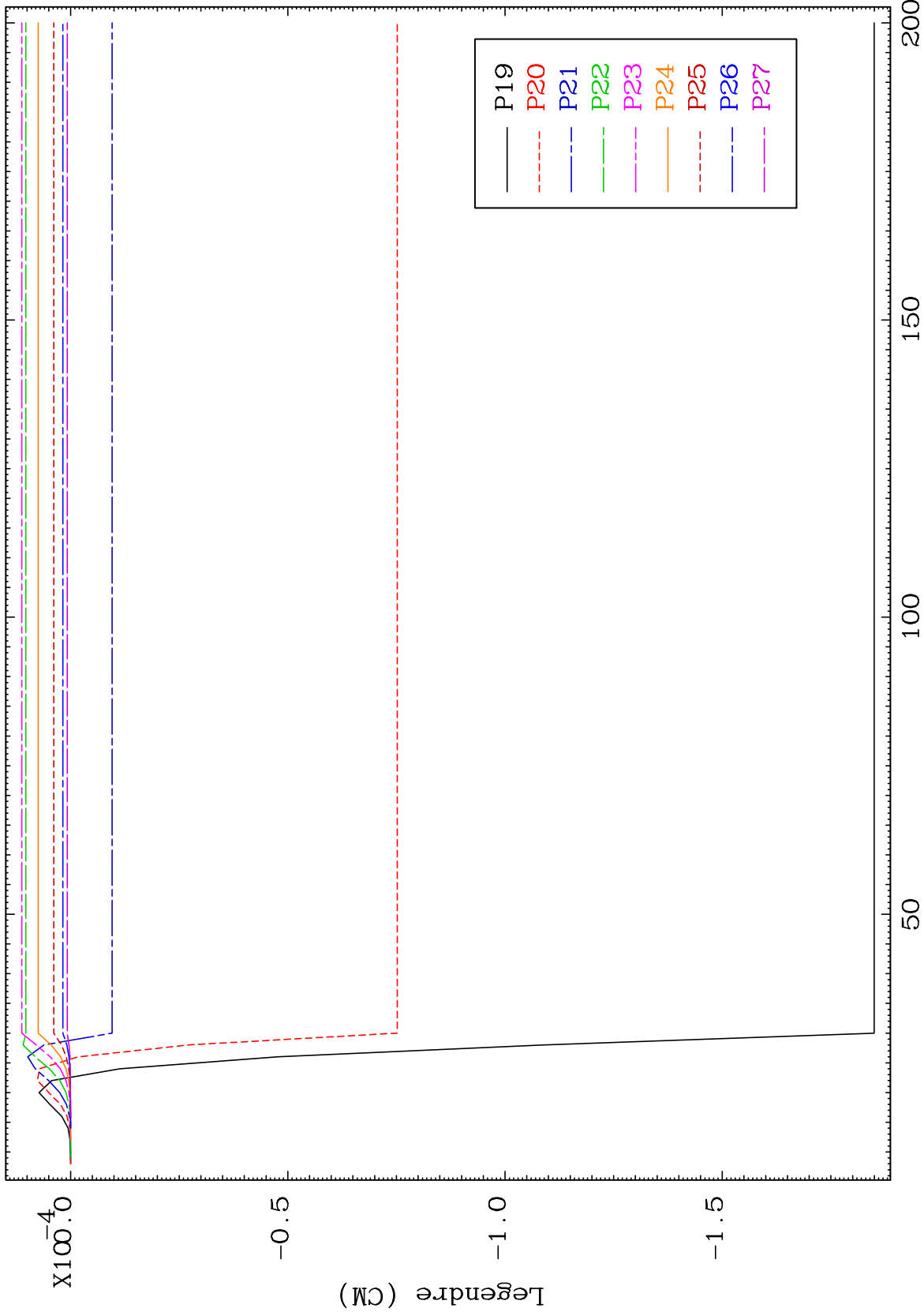
53-I -121

MAT 5307

MT= 71 (n,n') Level

53-I -121

Legendre Coefficients



90

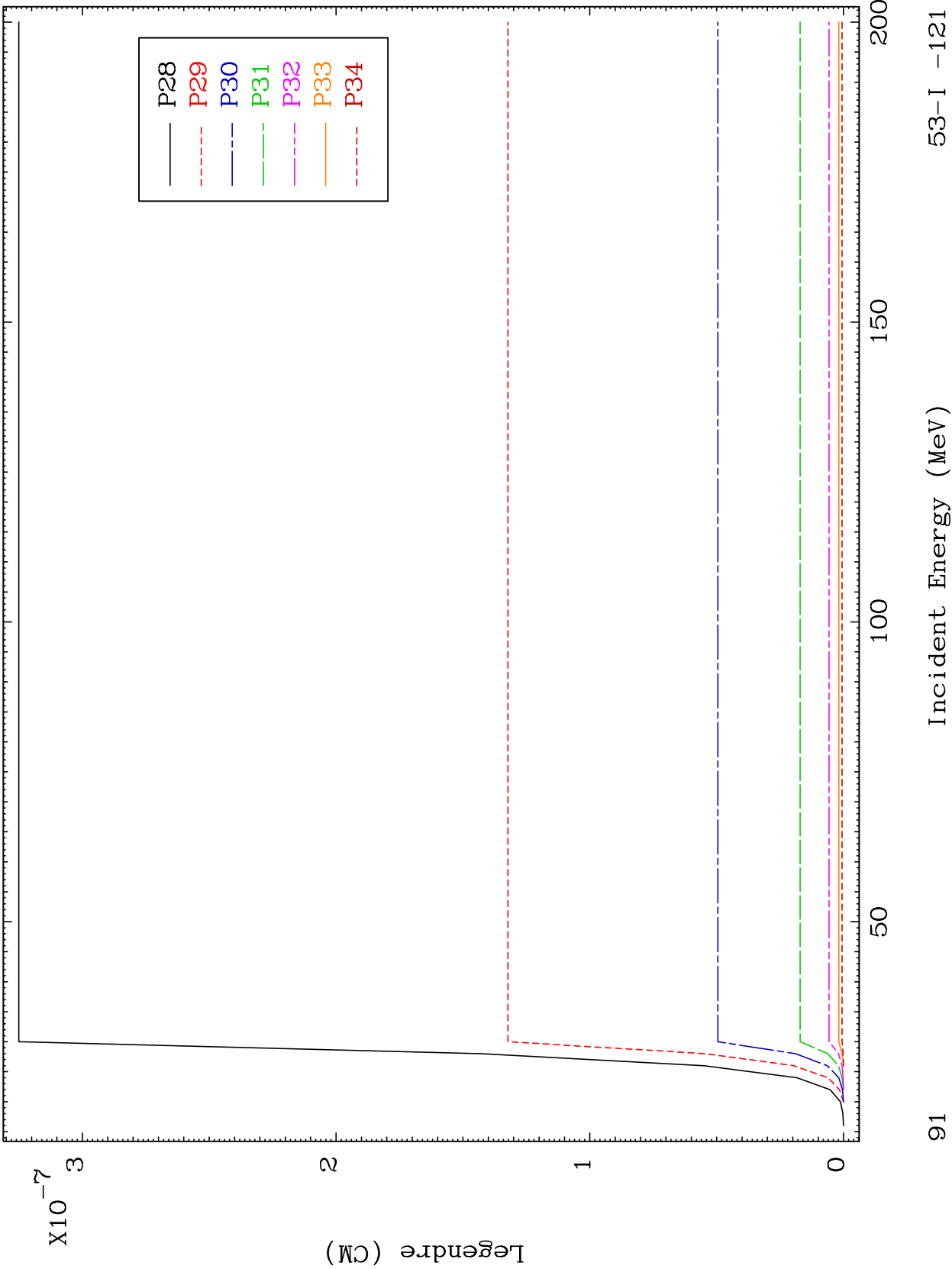
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



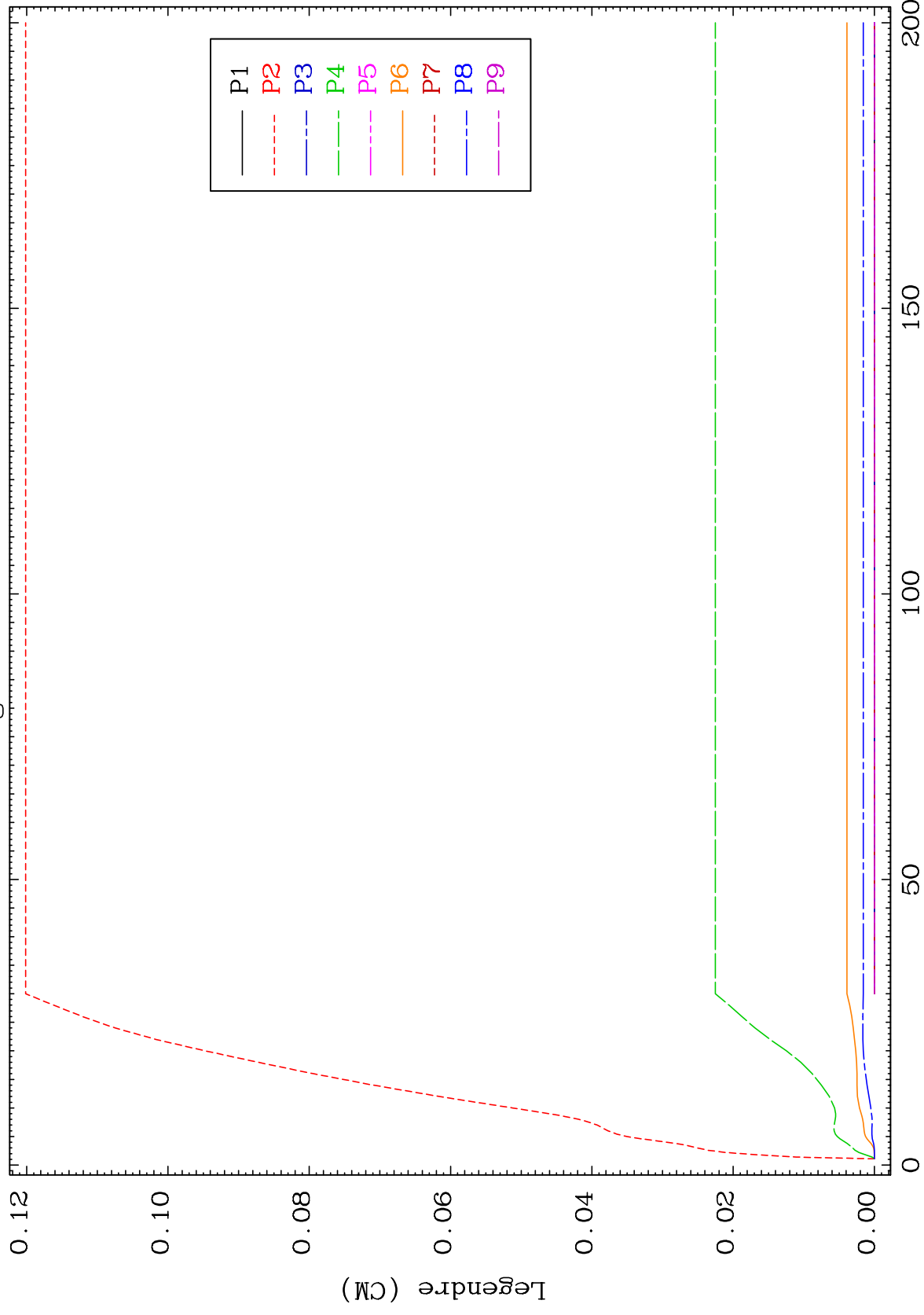
91

53-I -121

MAT 5307

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

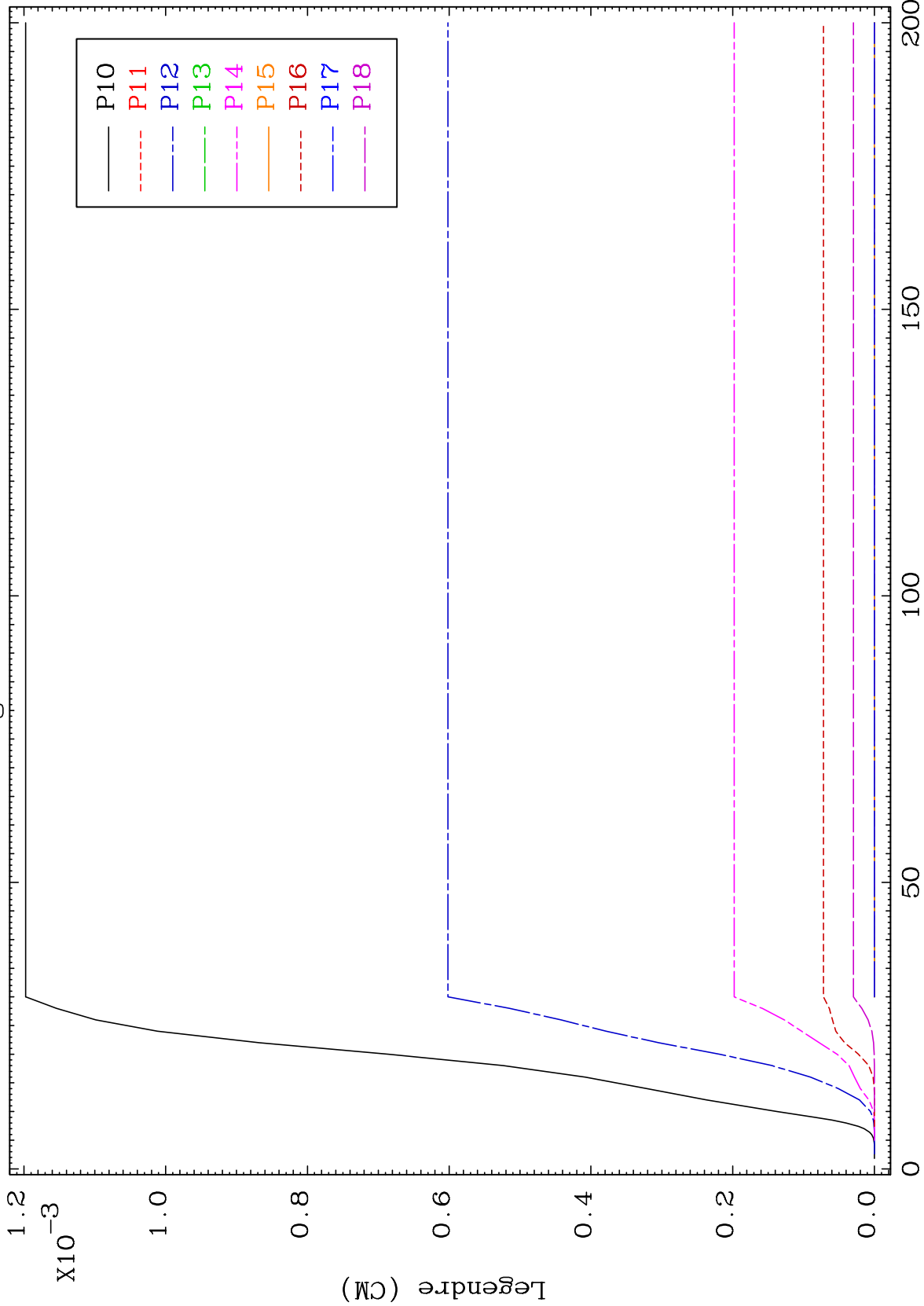
53-I -121



92

Incident Energy (MeV)

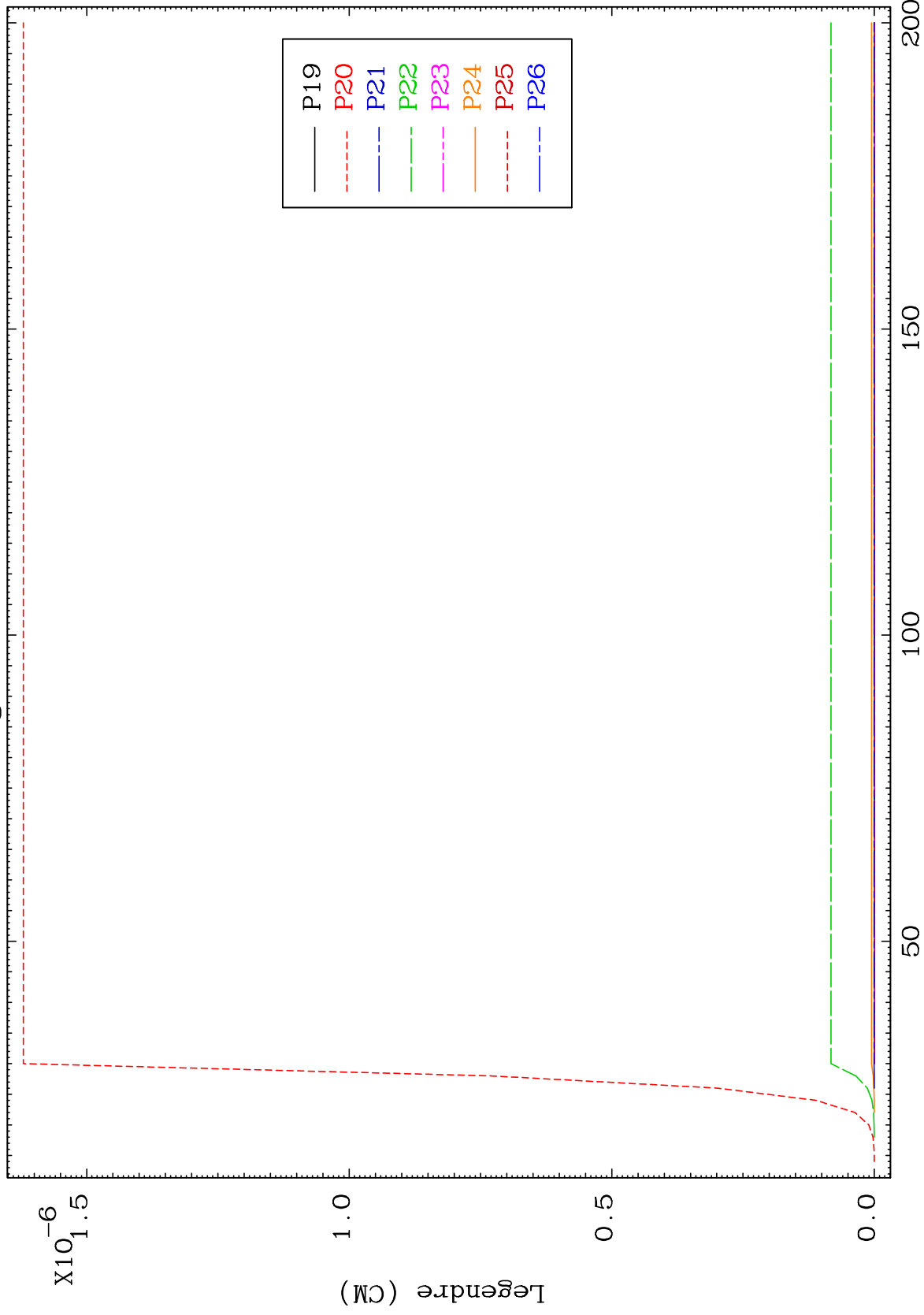
53-I -121



MAT 5307

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

53-I -121



94

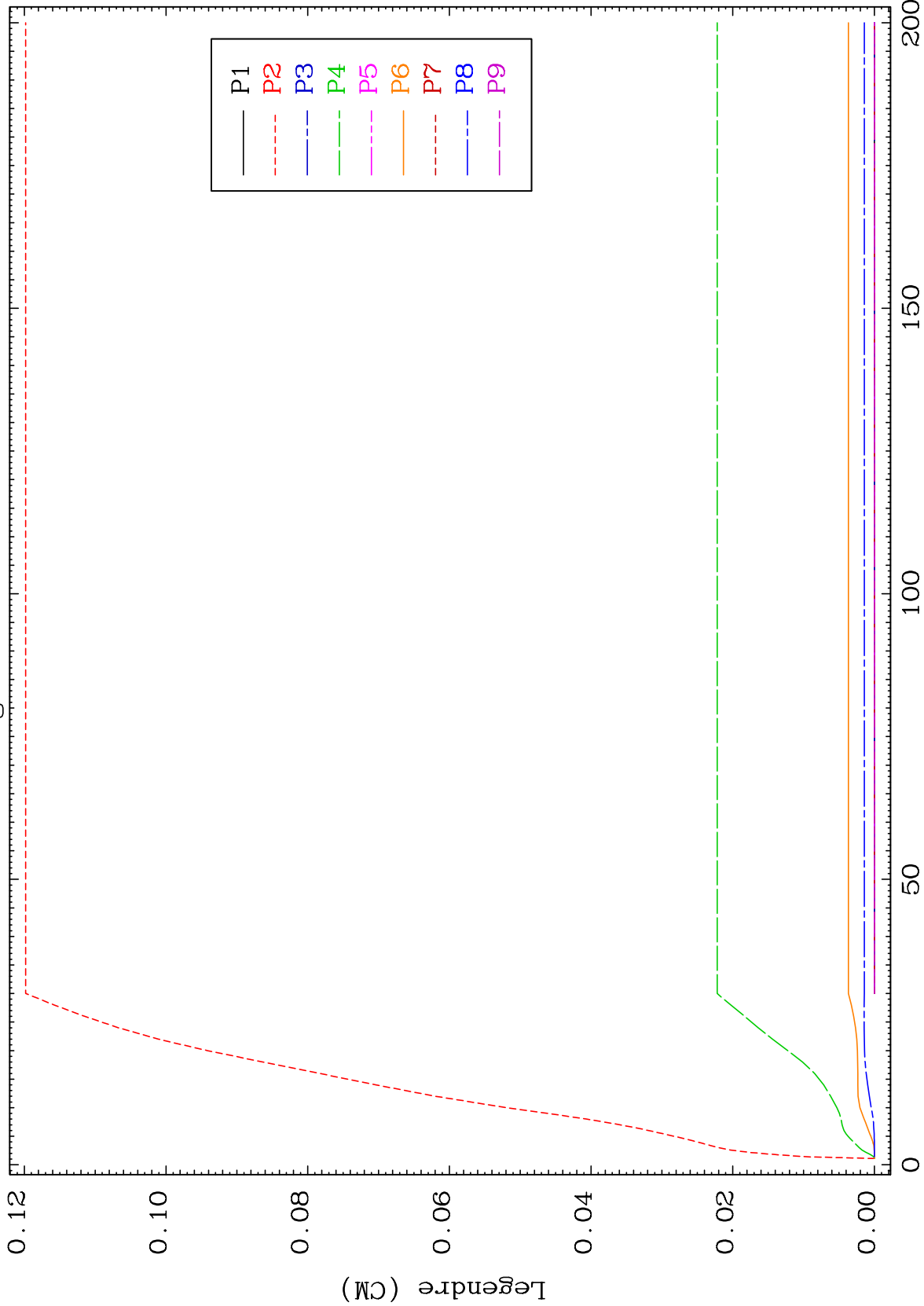
Incident Energy (MeV)

53-I -121

MAT 5307

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

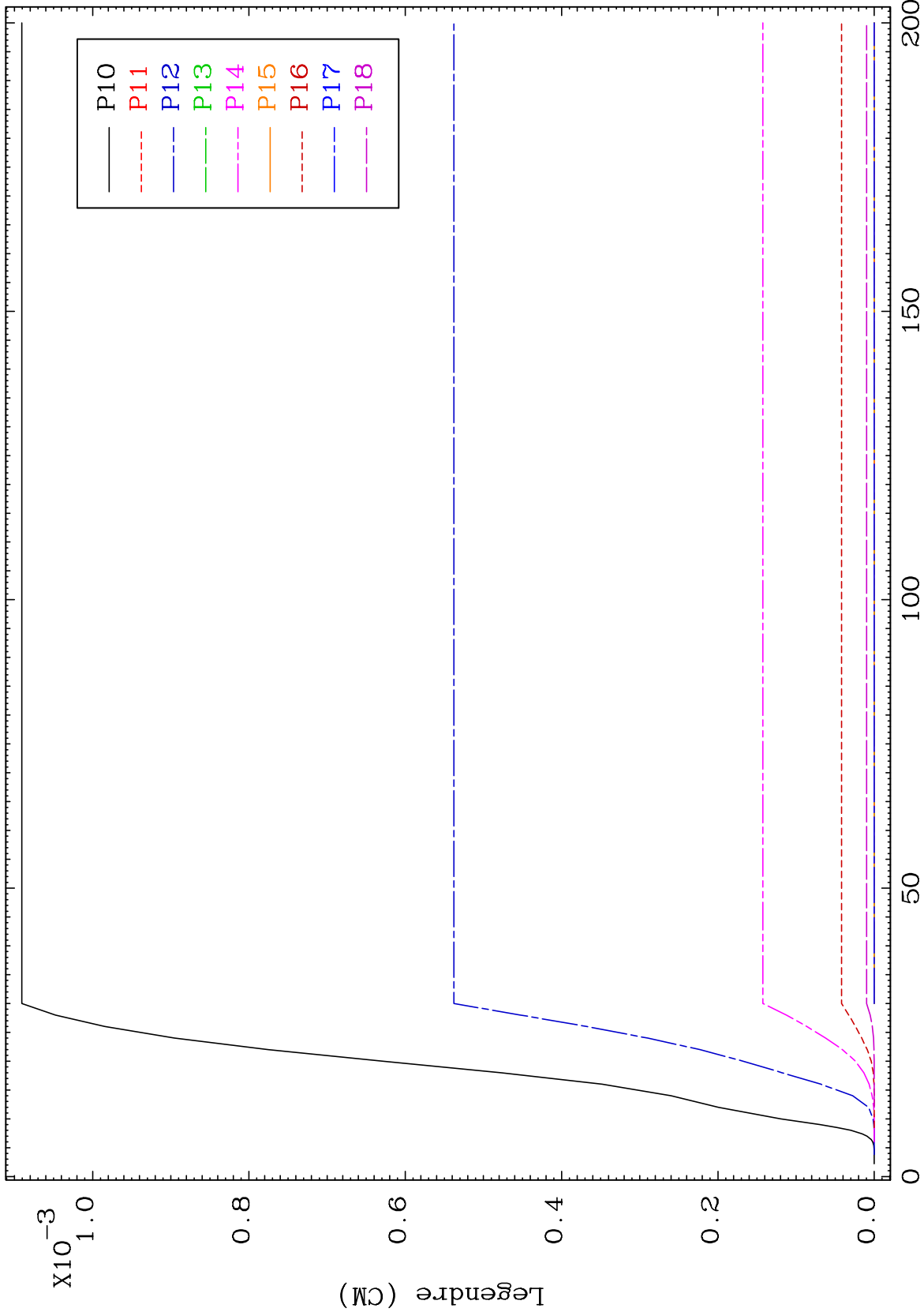
53-I -121



95

Incident Energy (MeV)

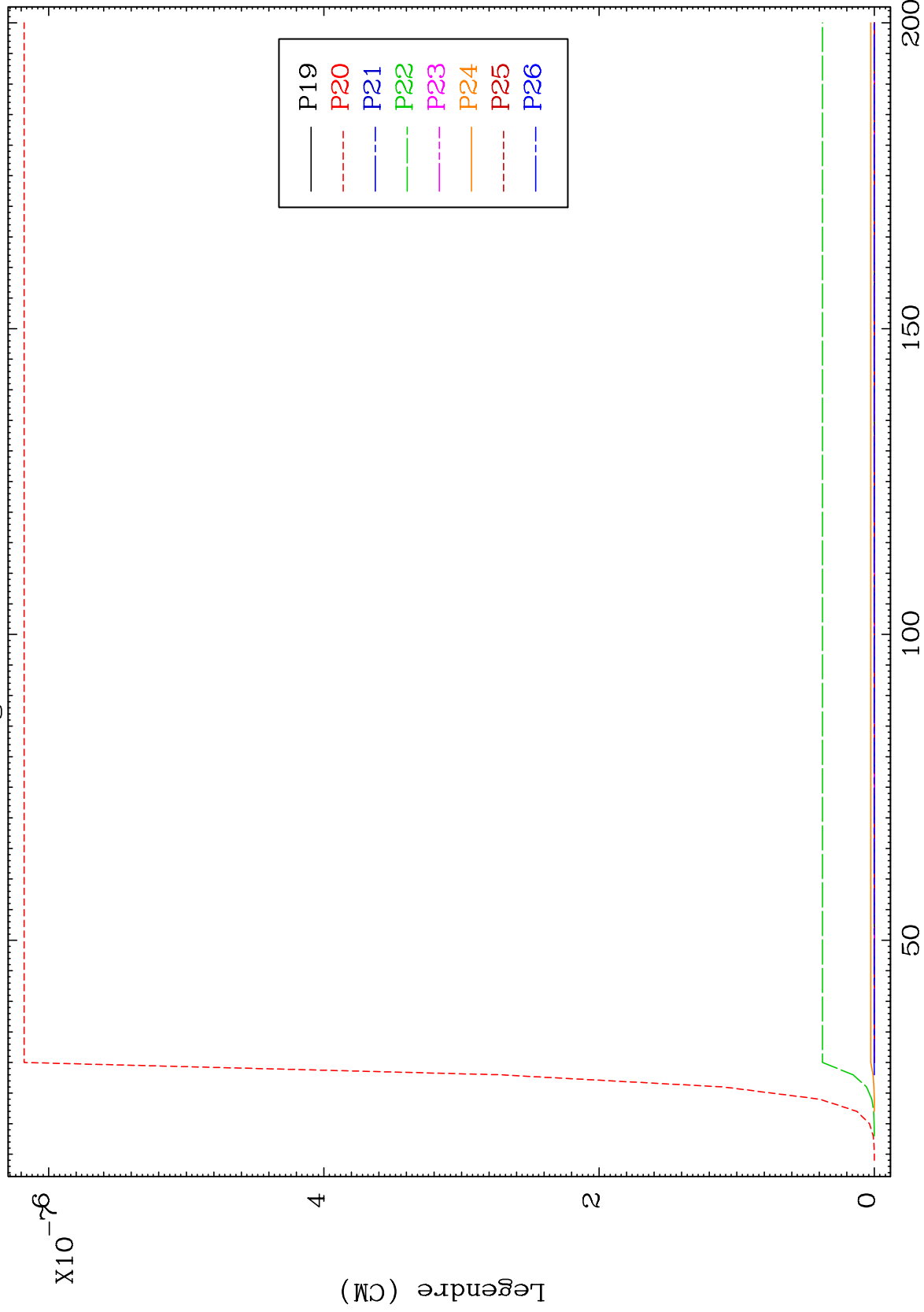
53-I -121



MAT 5307

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

53-I -121



97

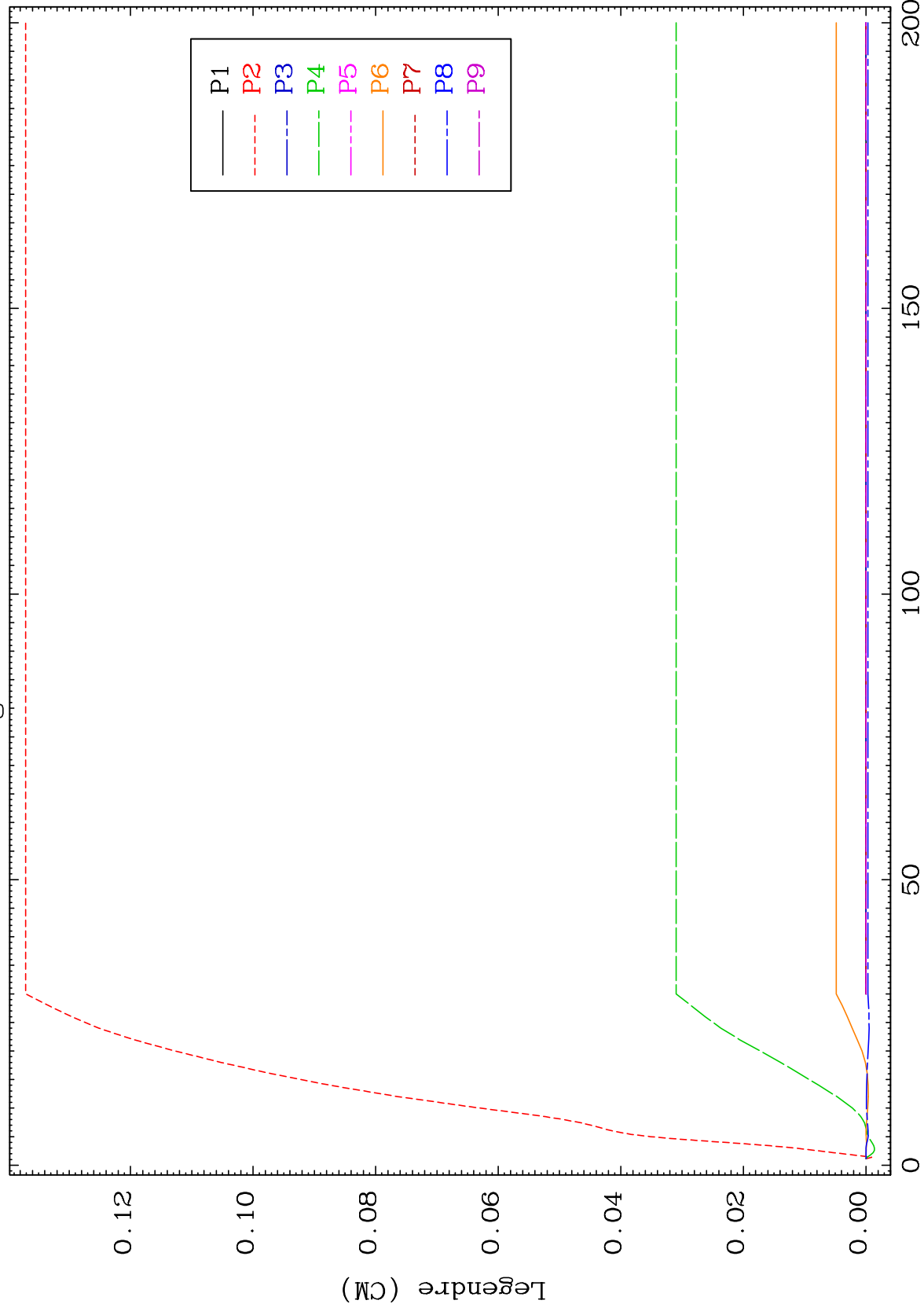
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



98

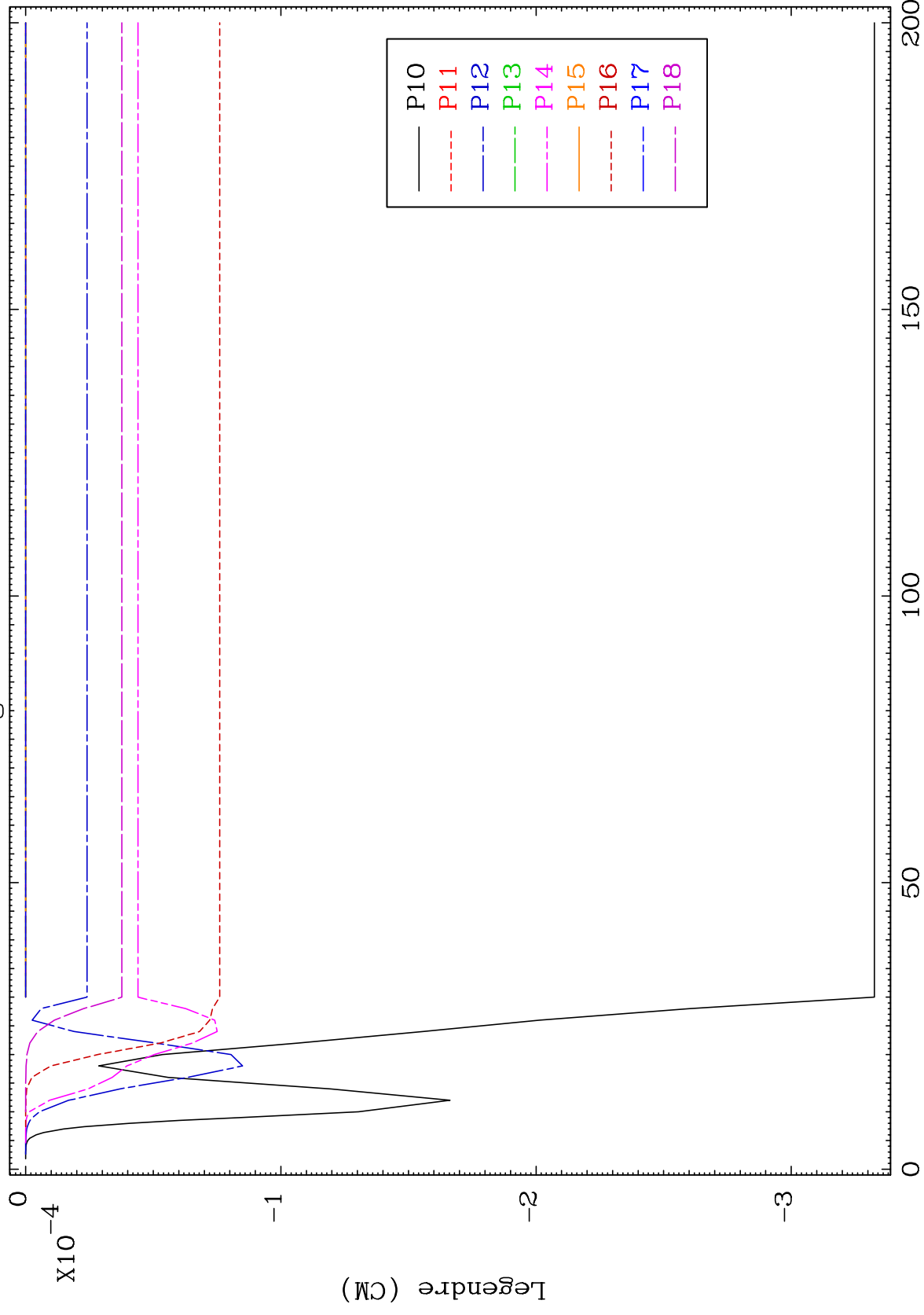
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



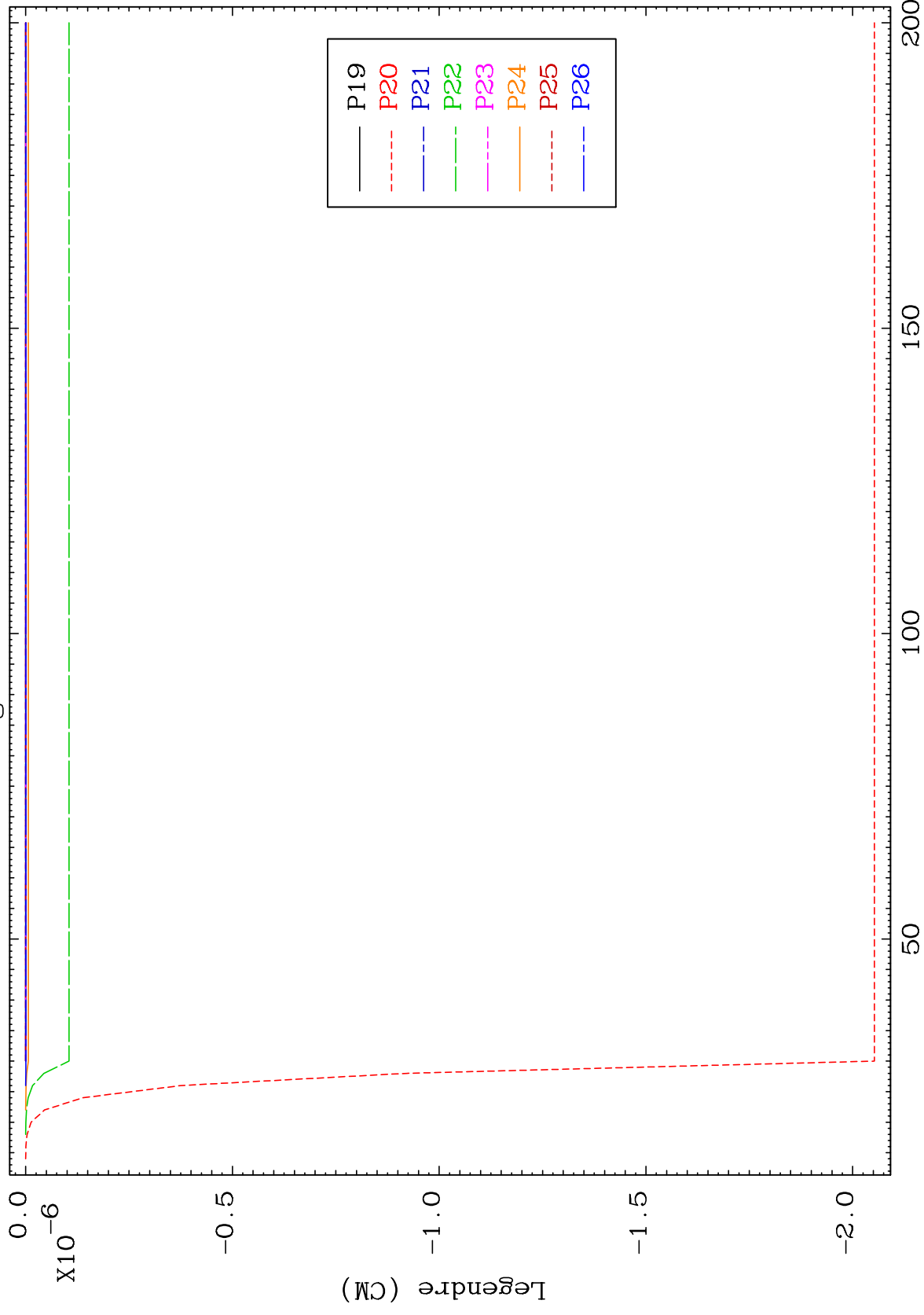
99

53-I -121

MAT 5307

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

53-I -121



100

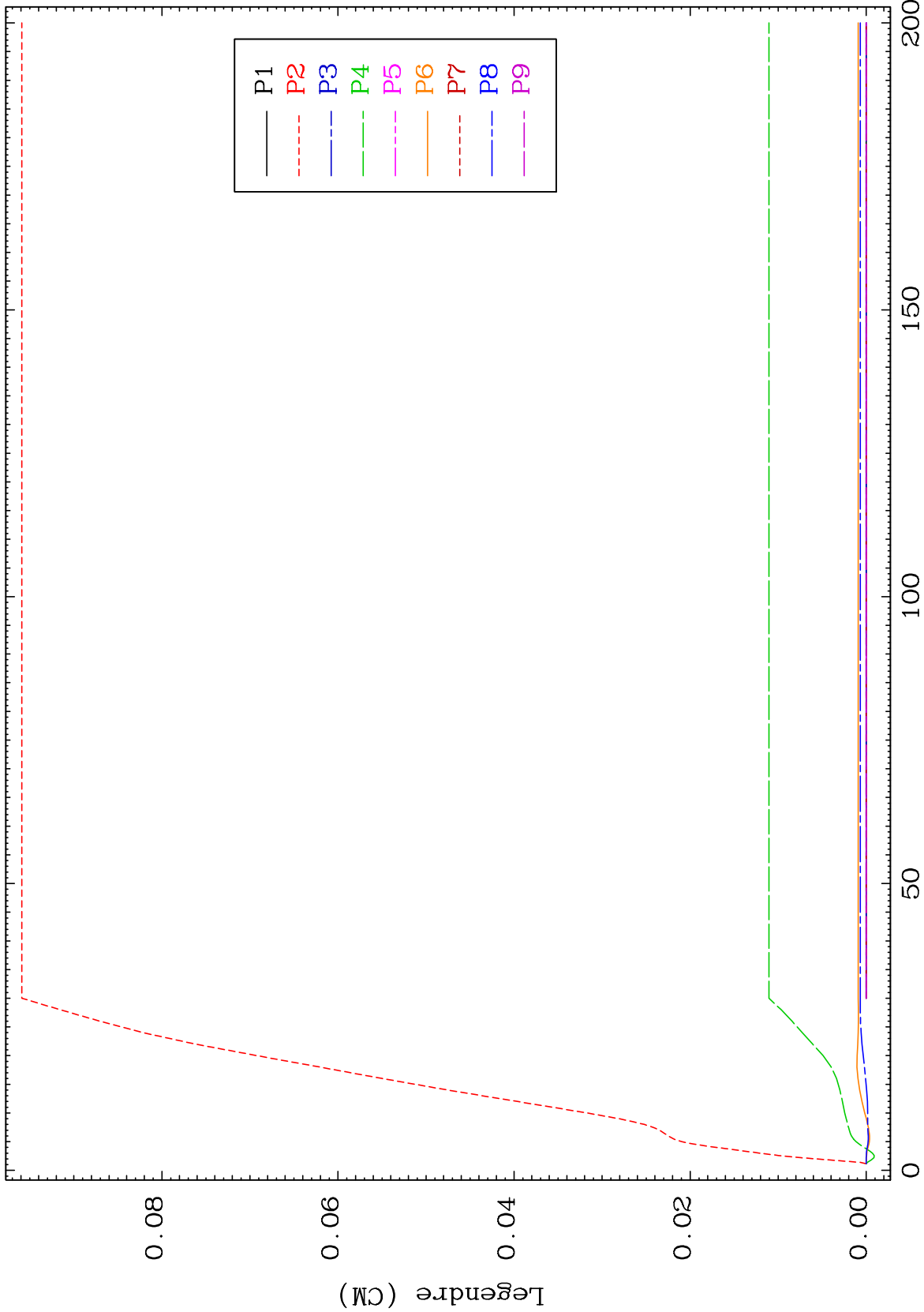
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



101

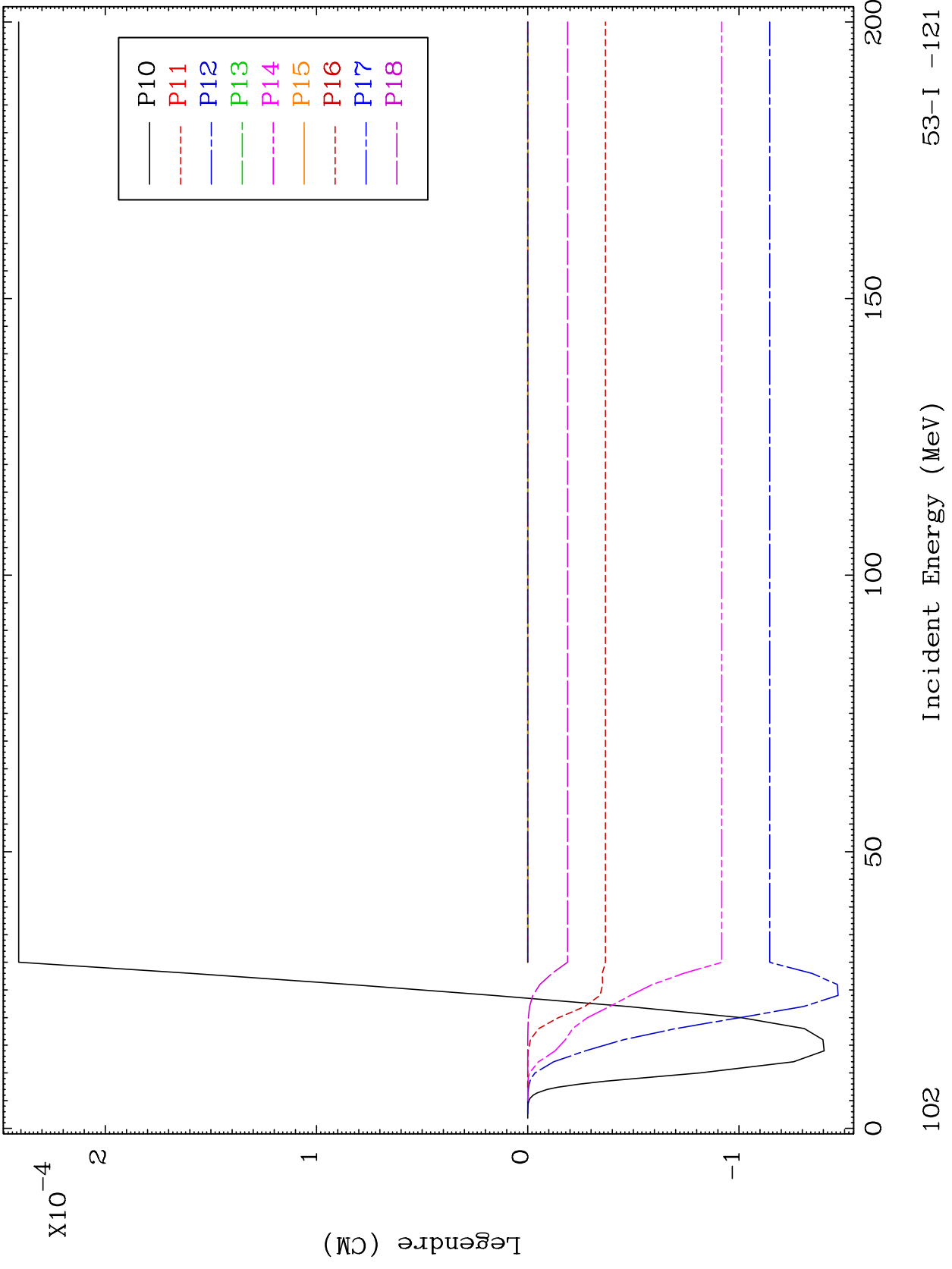
Incident Energy (MeV)

53-I -121

MAT 5307

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

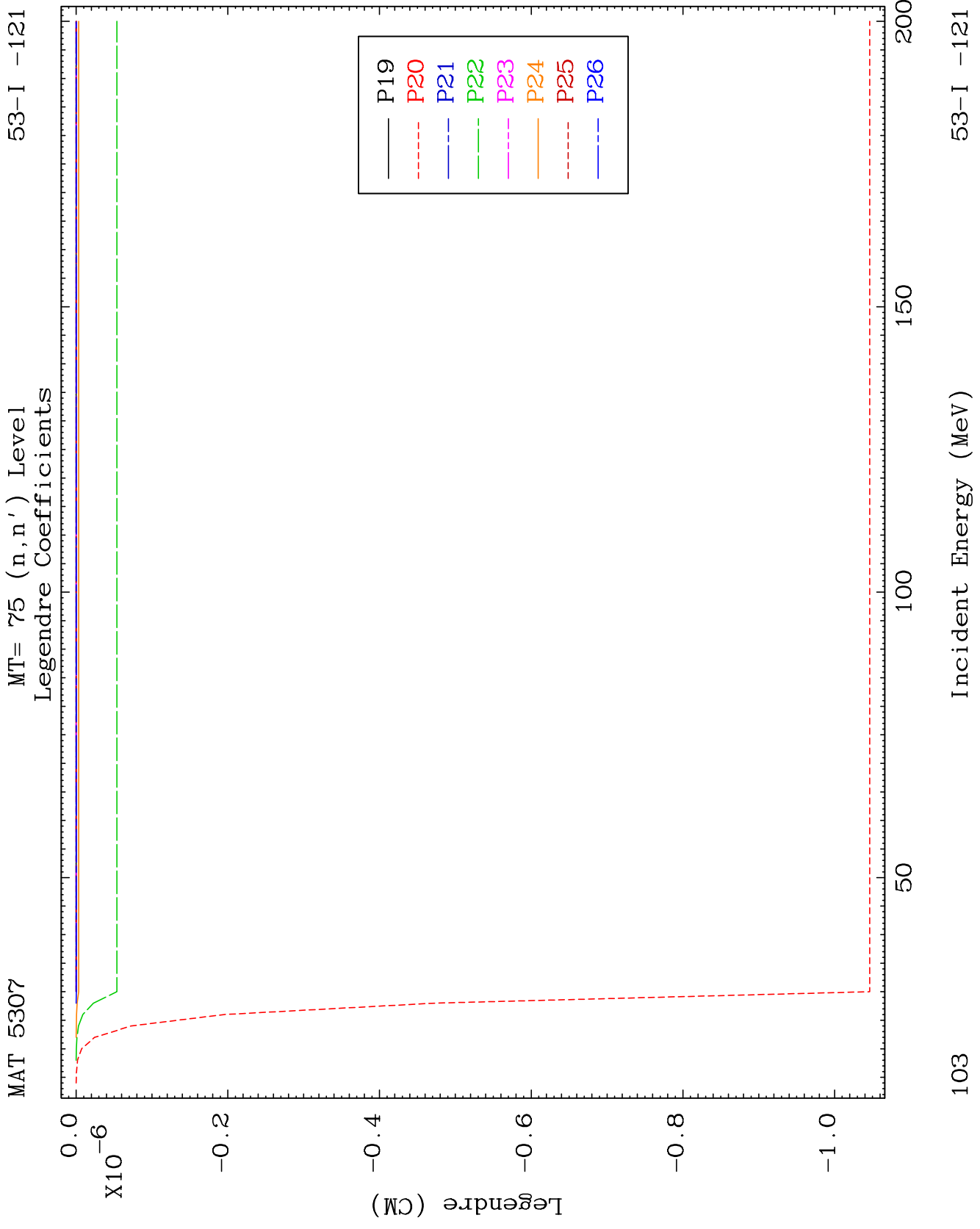
53-I -121



53-I -121

Incident Energy (MeV)

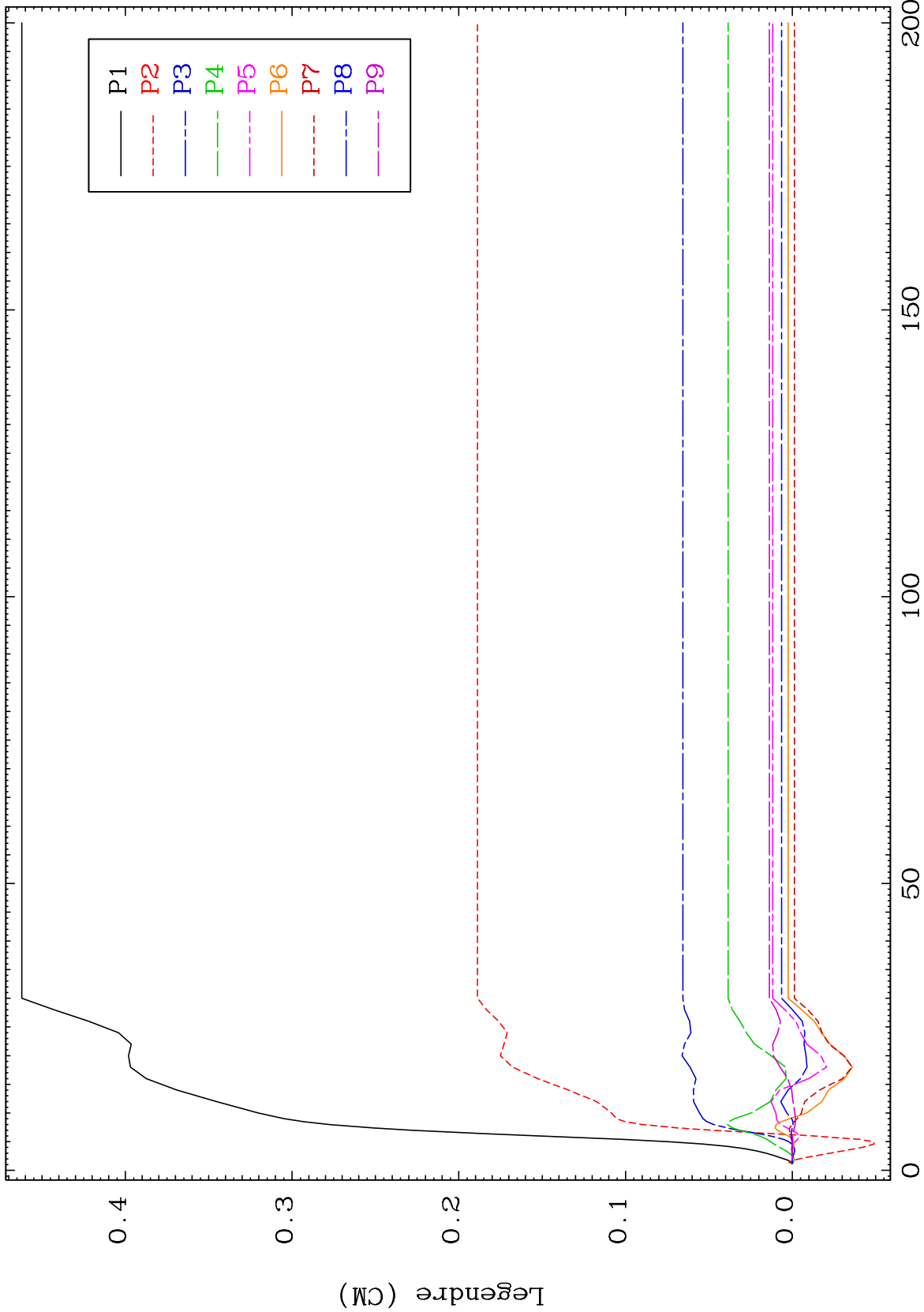
102



MAT 5307

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

53-I -121



104

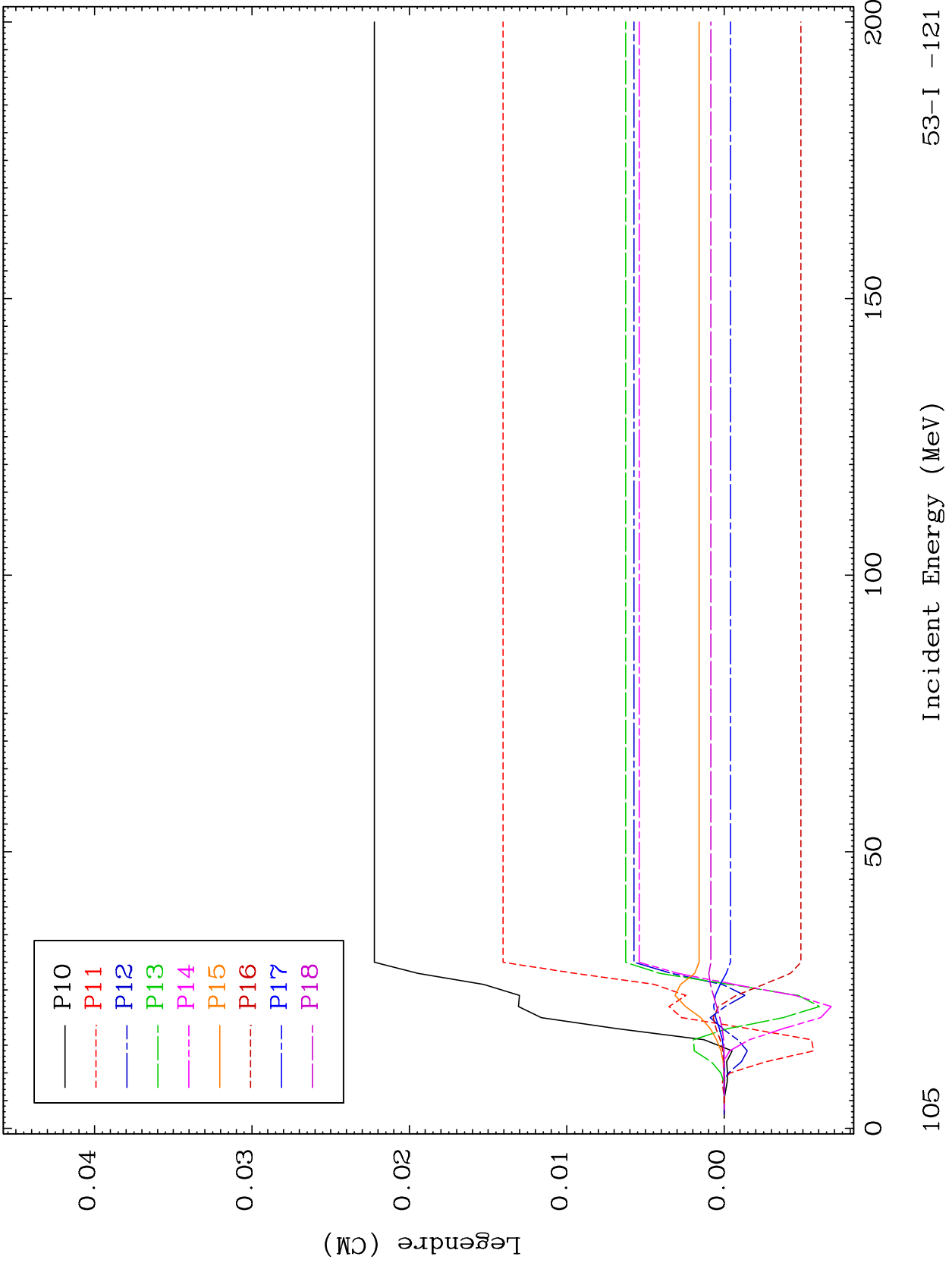
Incident Energy (MeV)

53-I -121

MAT 5307

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

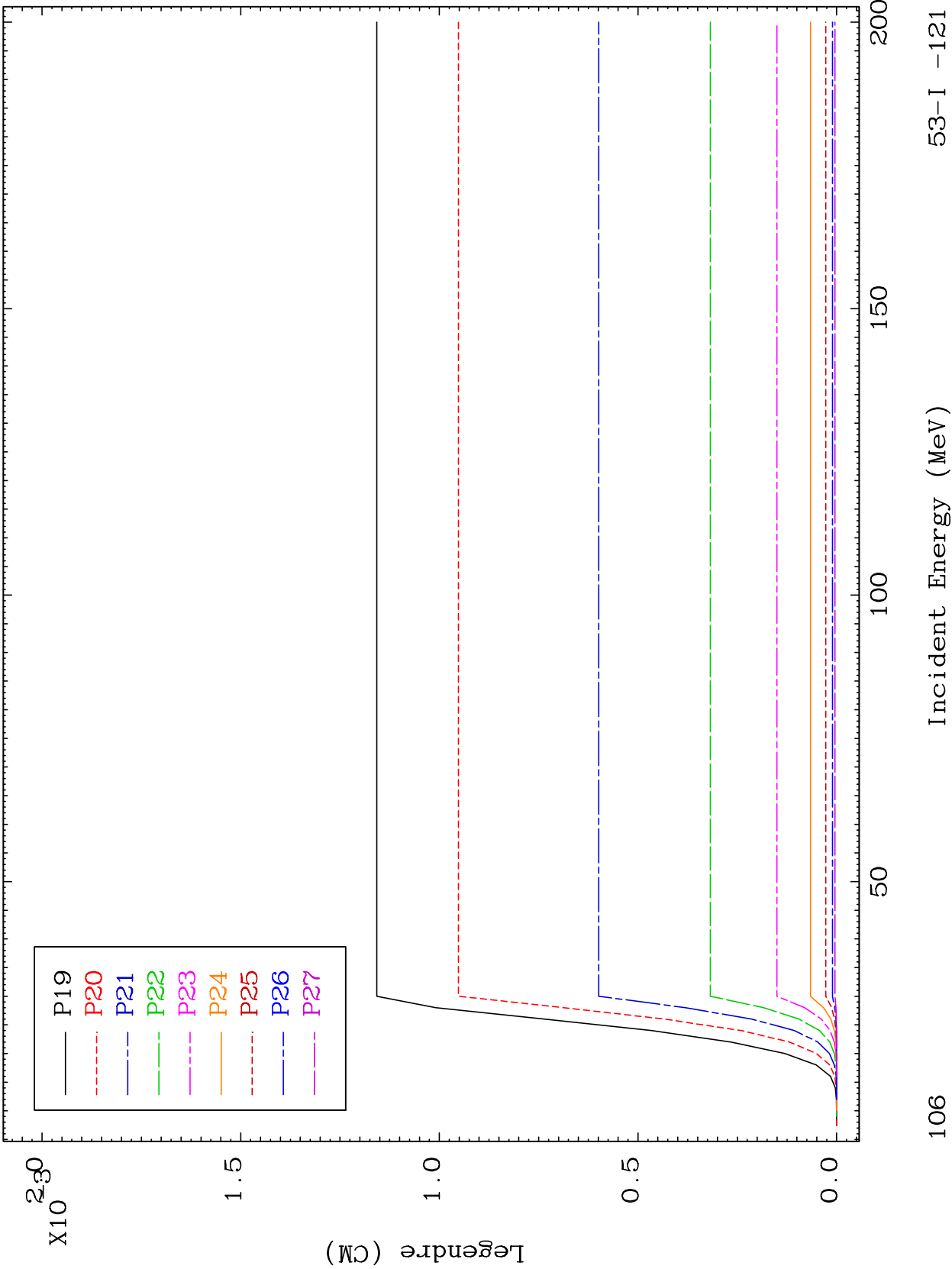
53-I -121



53-I -121

Incident Energy (MeV)

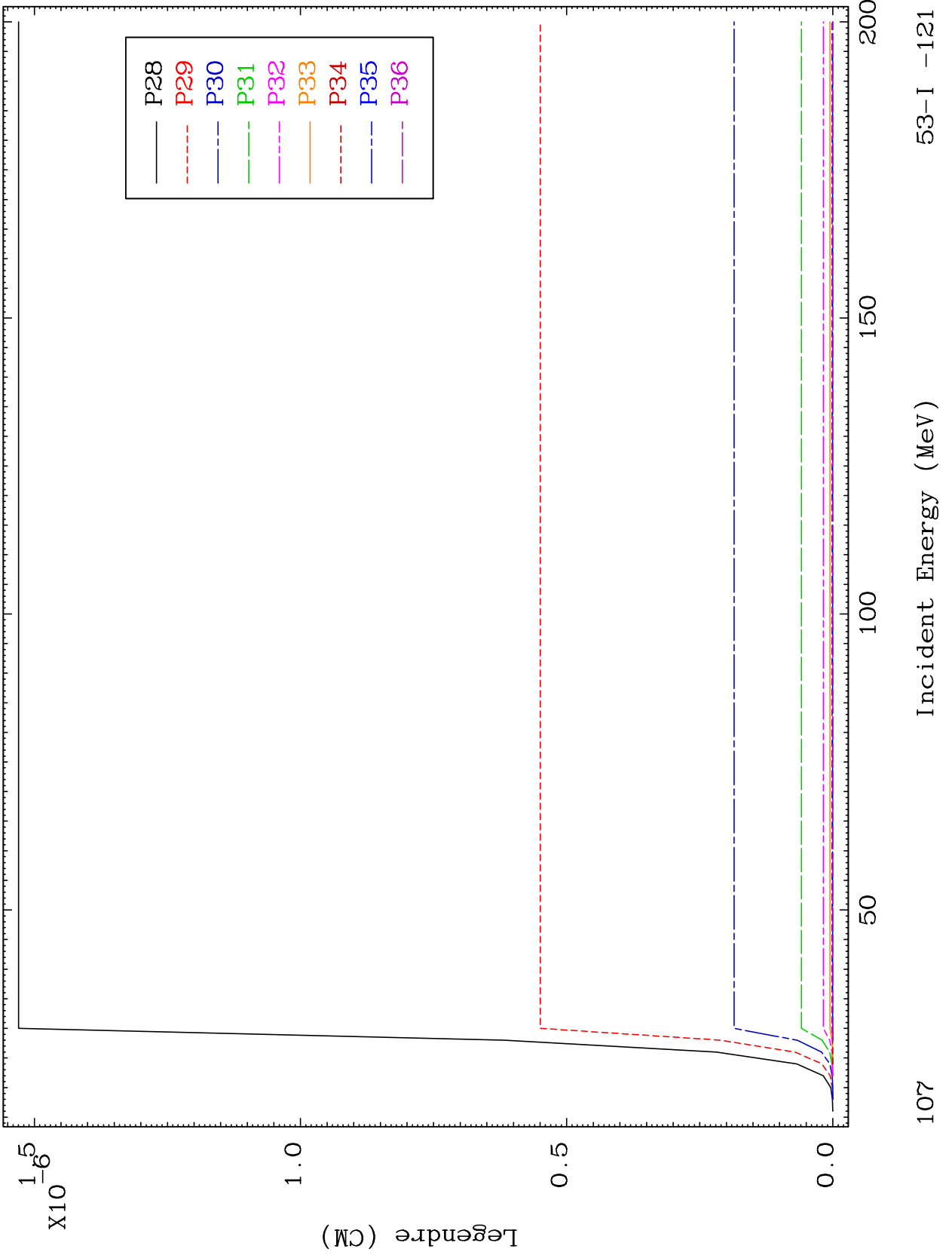
105



MAT 5307

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

53-I -121



107

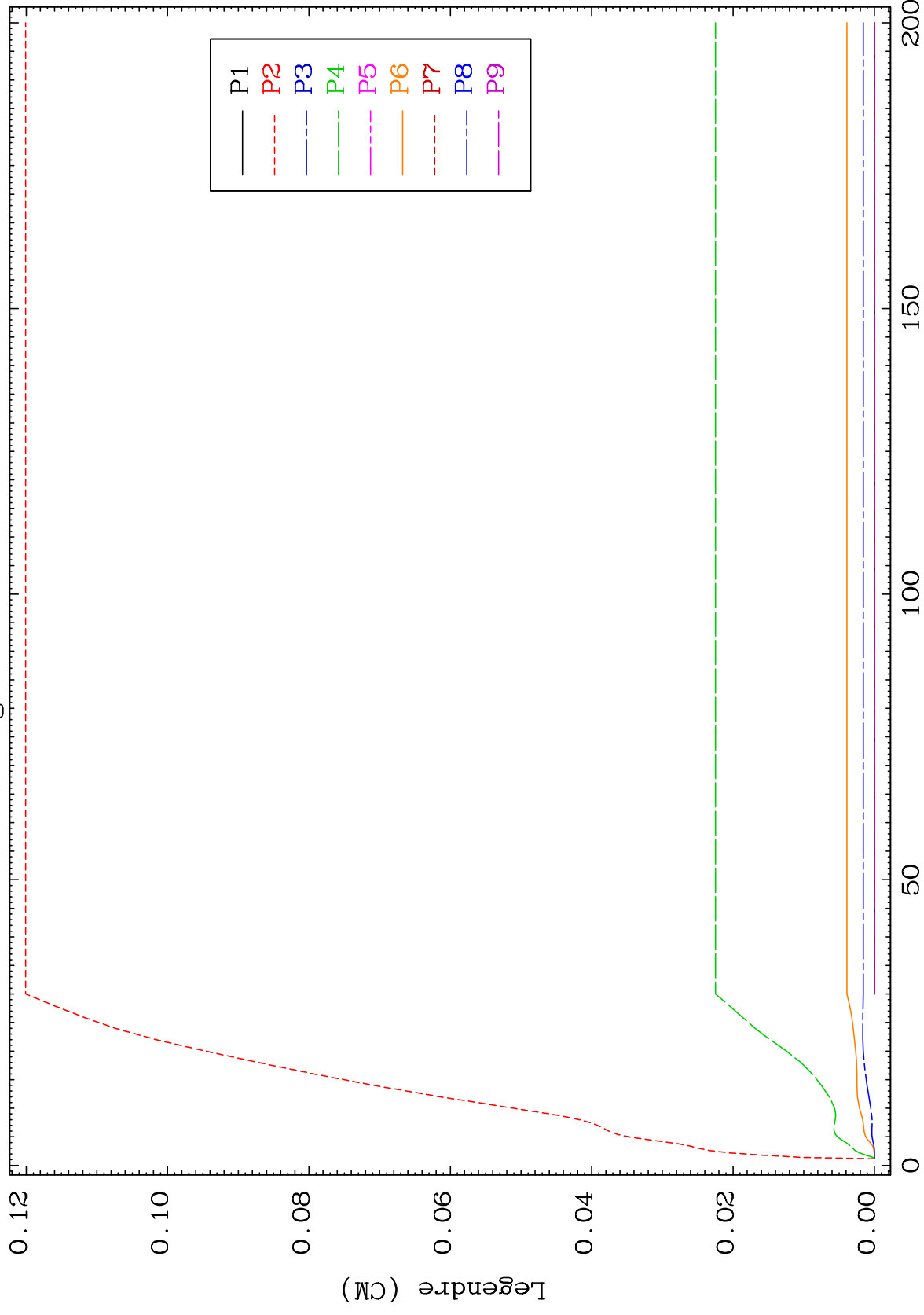
Incident Energy (MeV)

53-I -121

MAT 5307

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

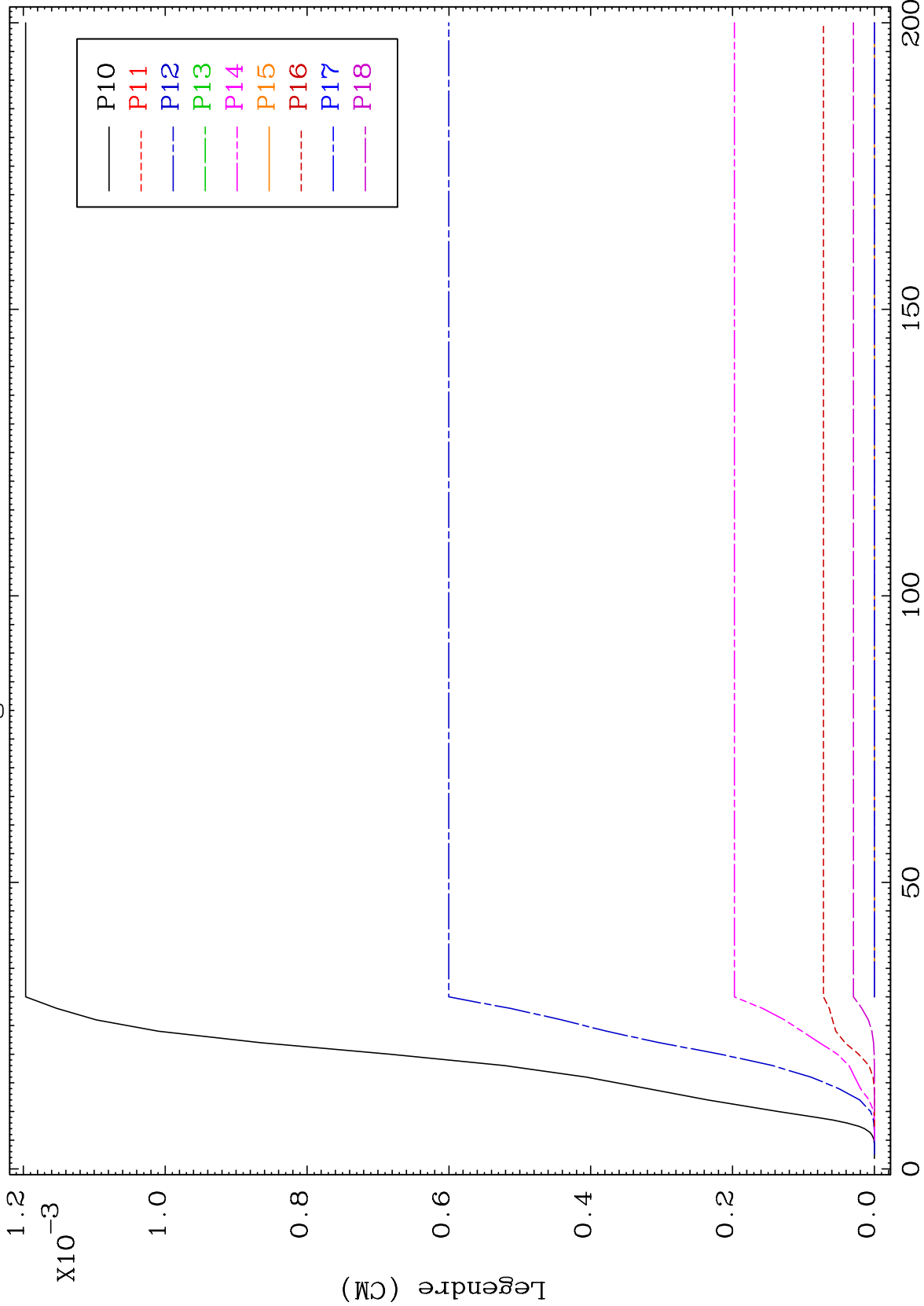
53-I -121



53-I -121

Incident Energy (MeV)

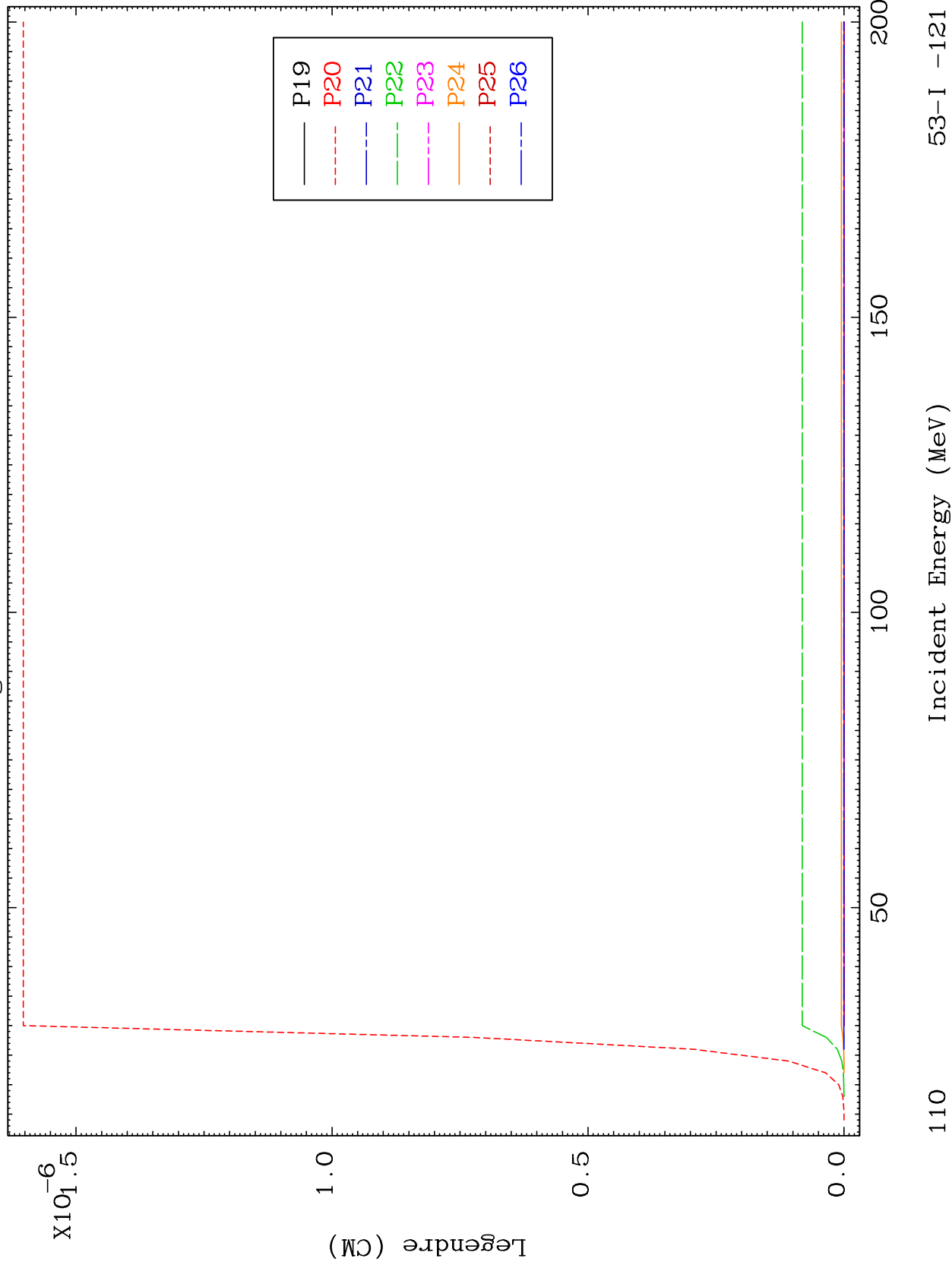
108

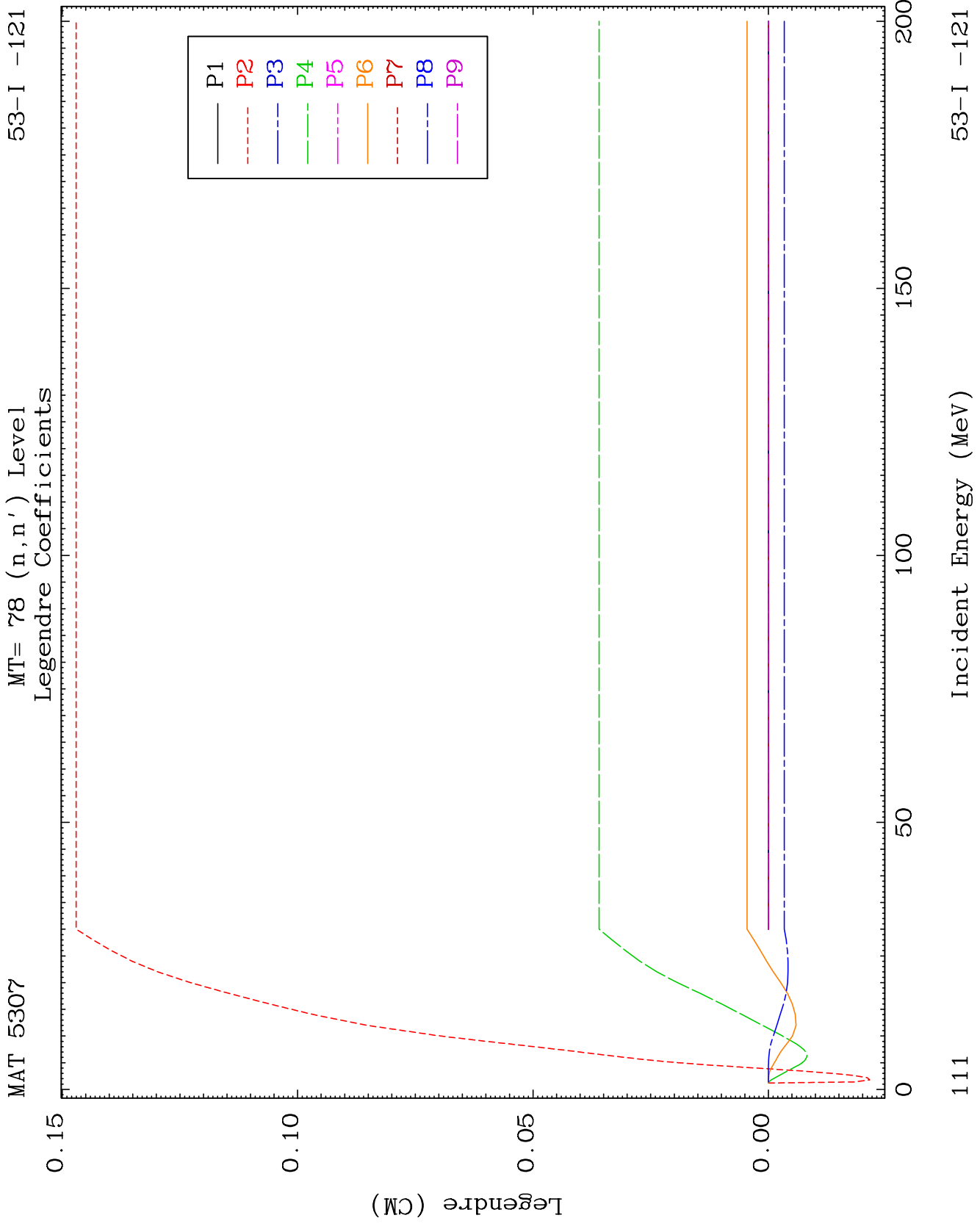


MAT 5307

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

53-I -121

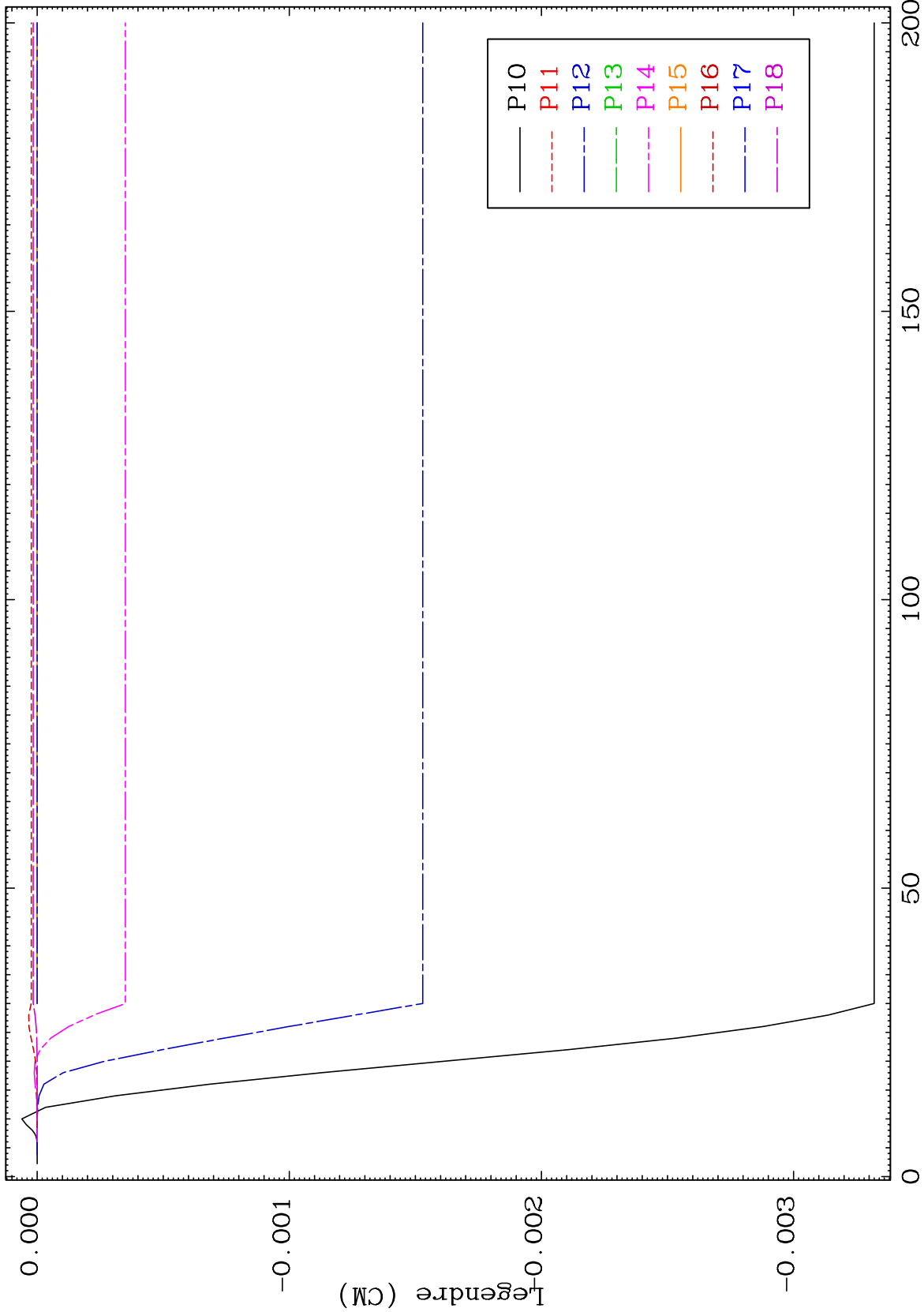




MAT 5307

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

53-I -121



112

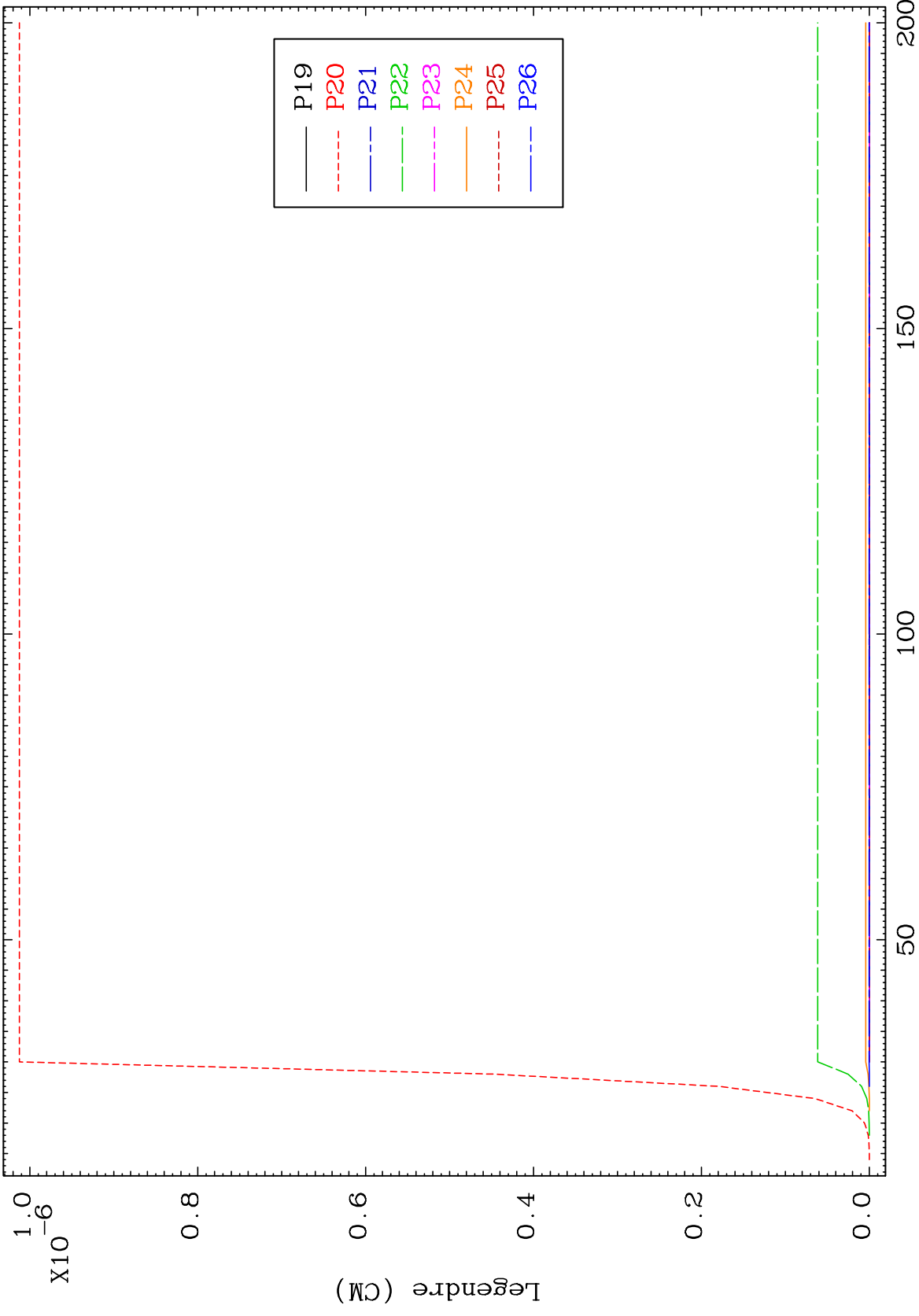
Incident Energy (MeV)

53-I -121

MAT 5307

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

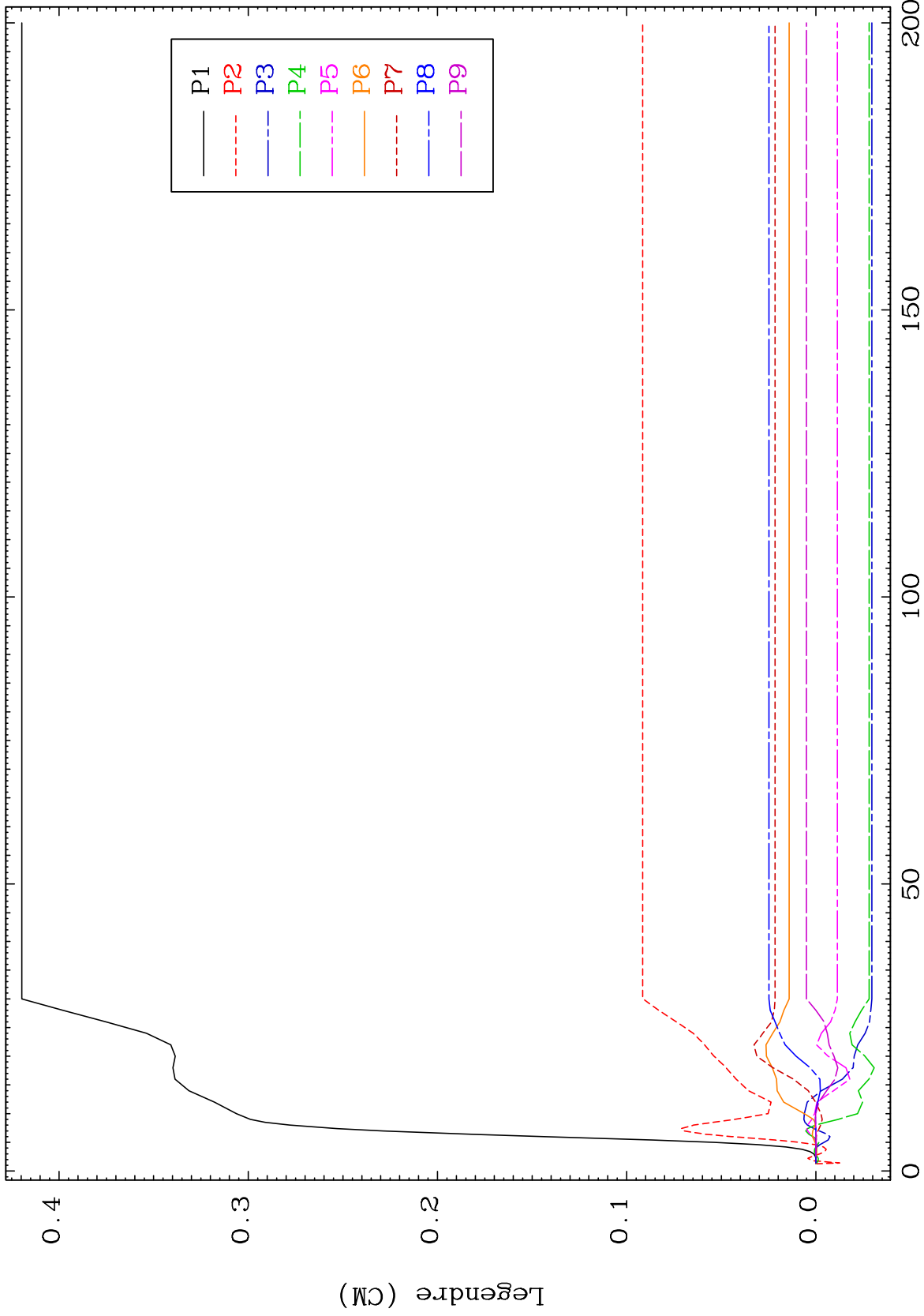
53-I -121



113

Incident Energy (MeV)

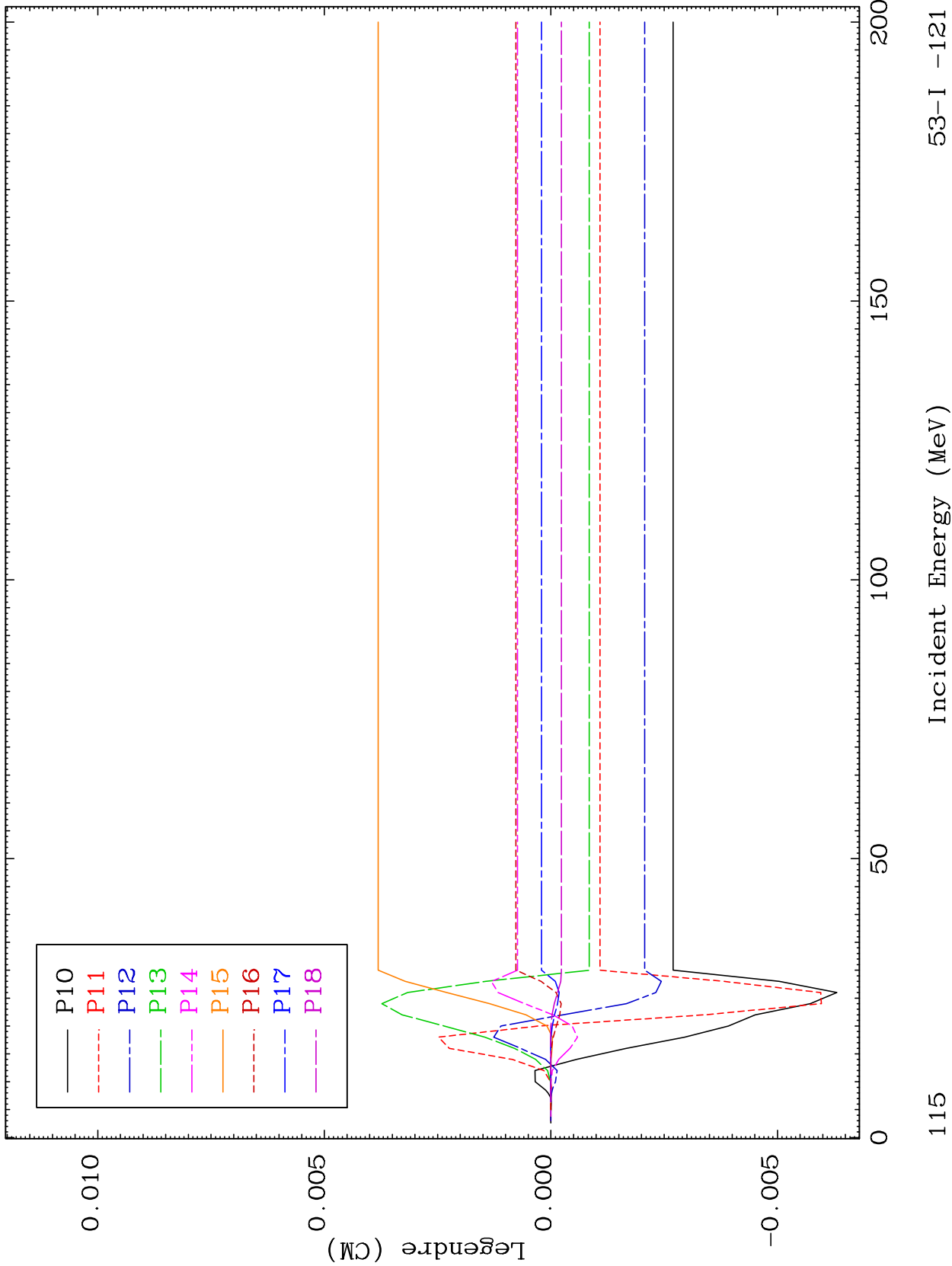
53-I -121



MAT 5307

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

53-I -121



115

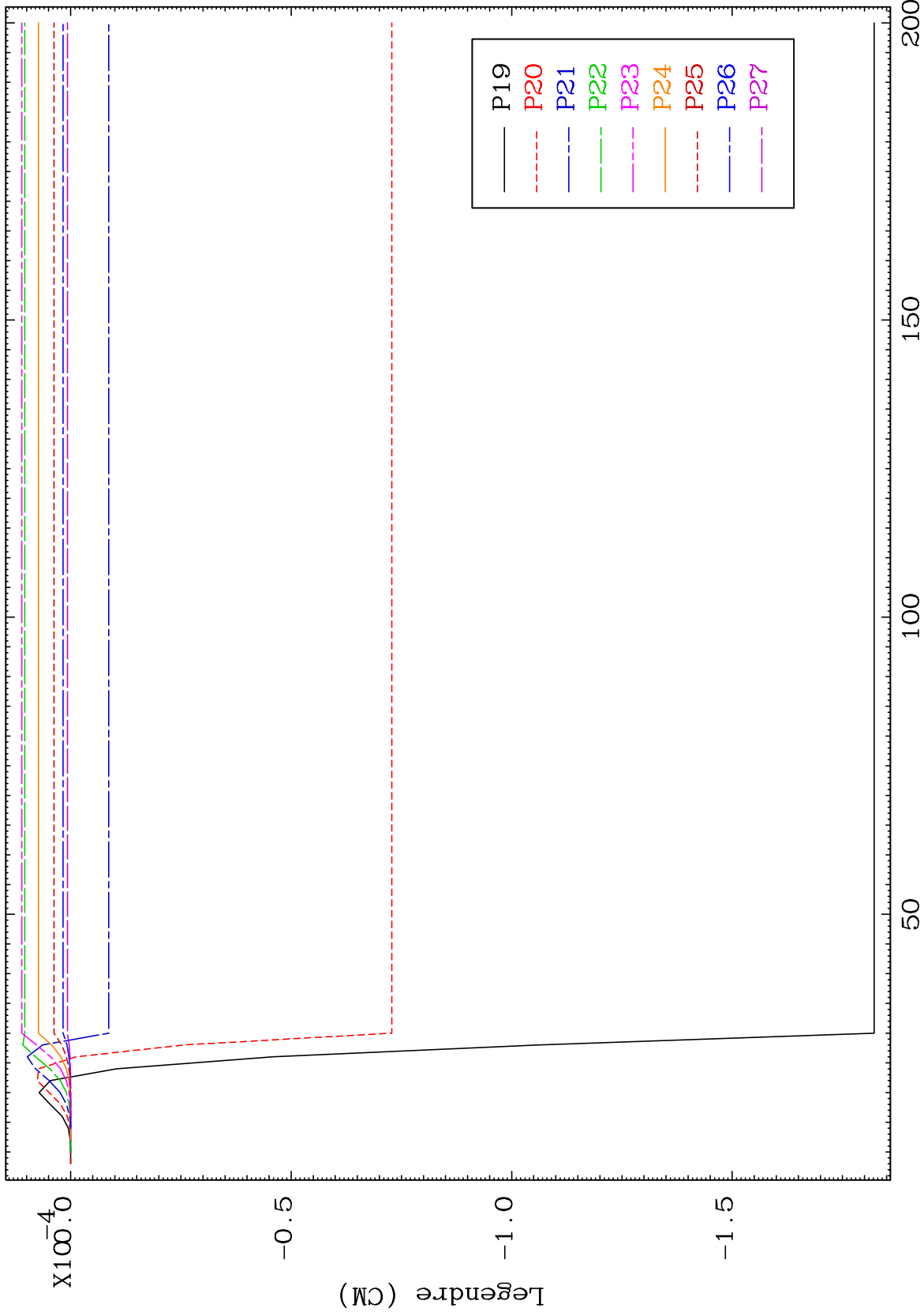
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



116

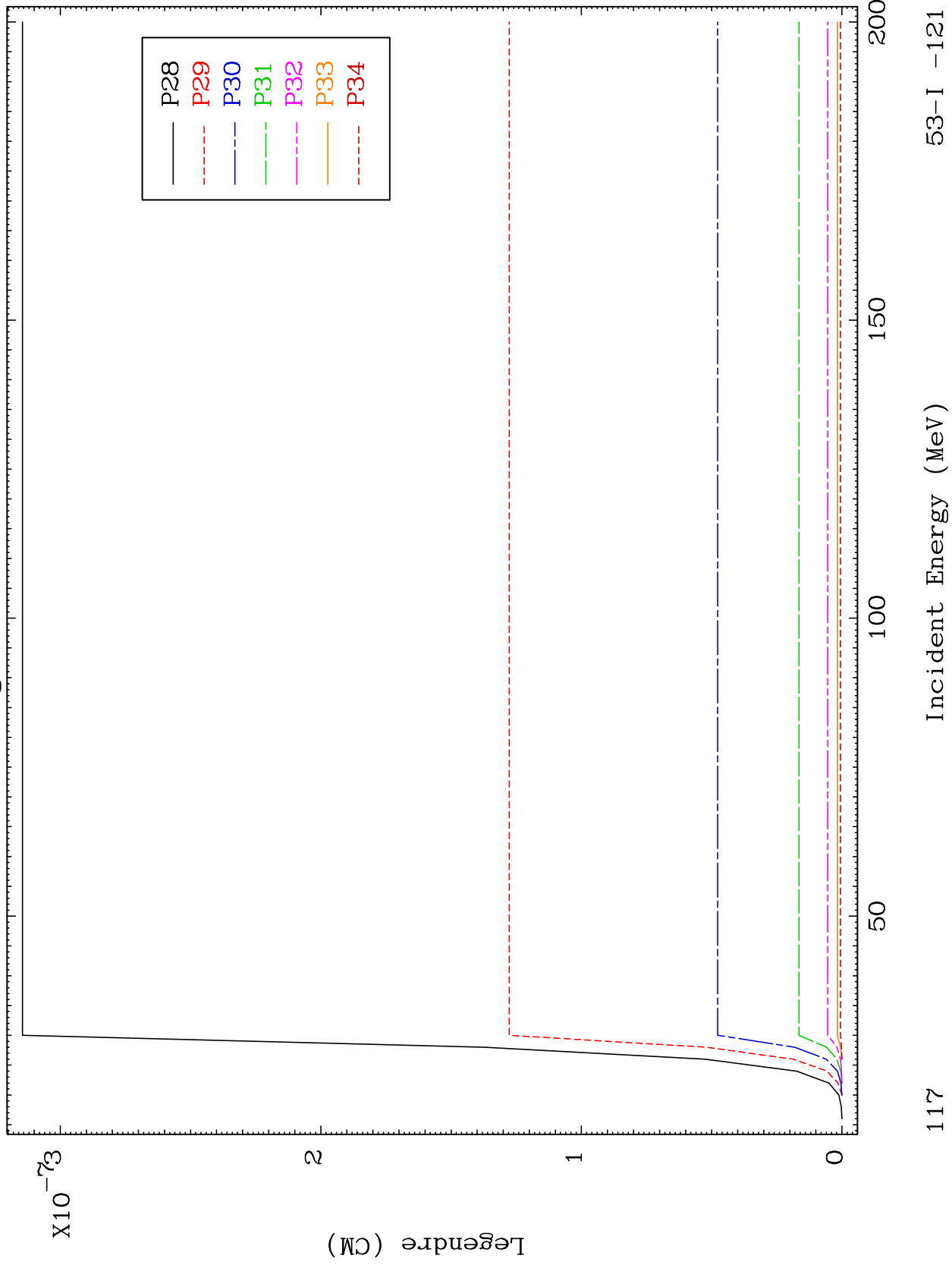
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



117

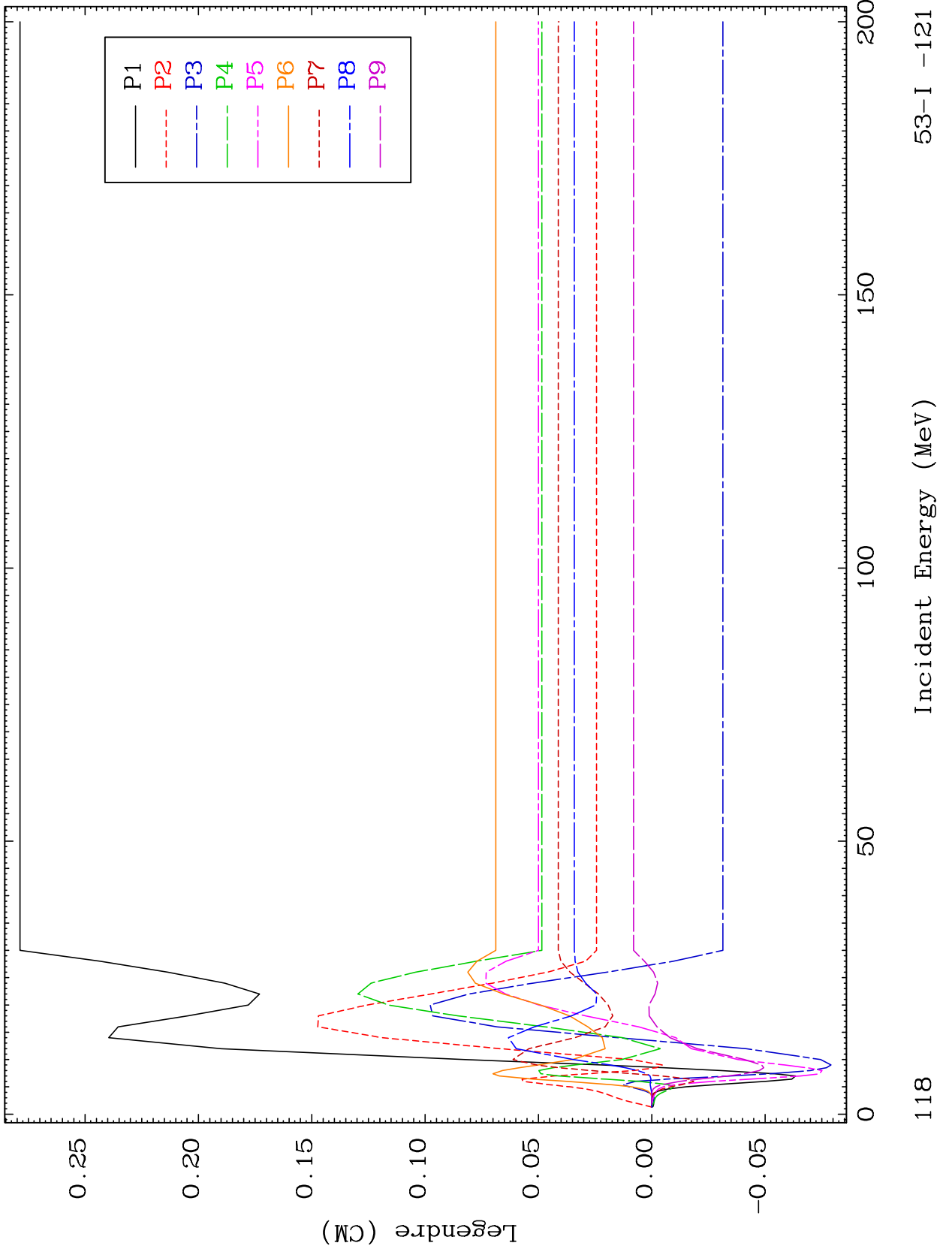
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



53-I -121

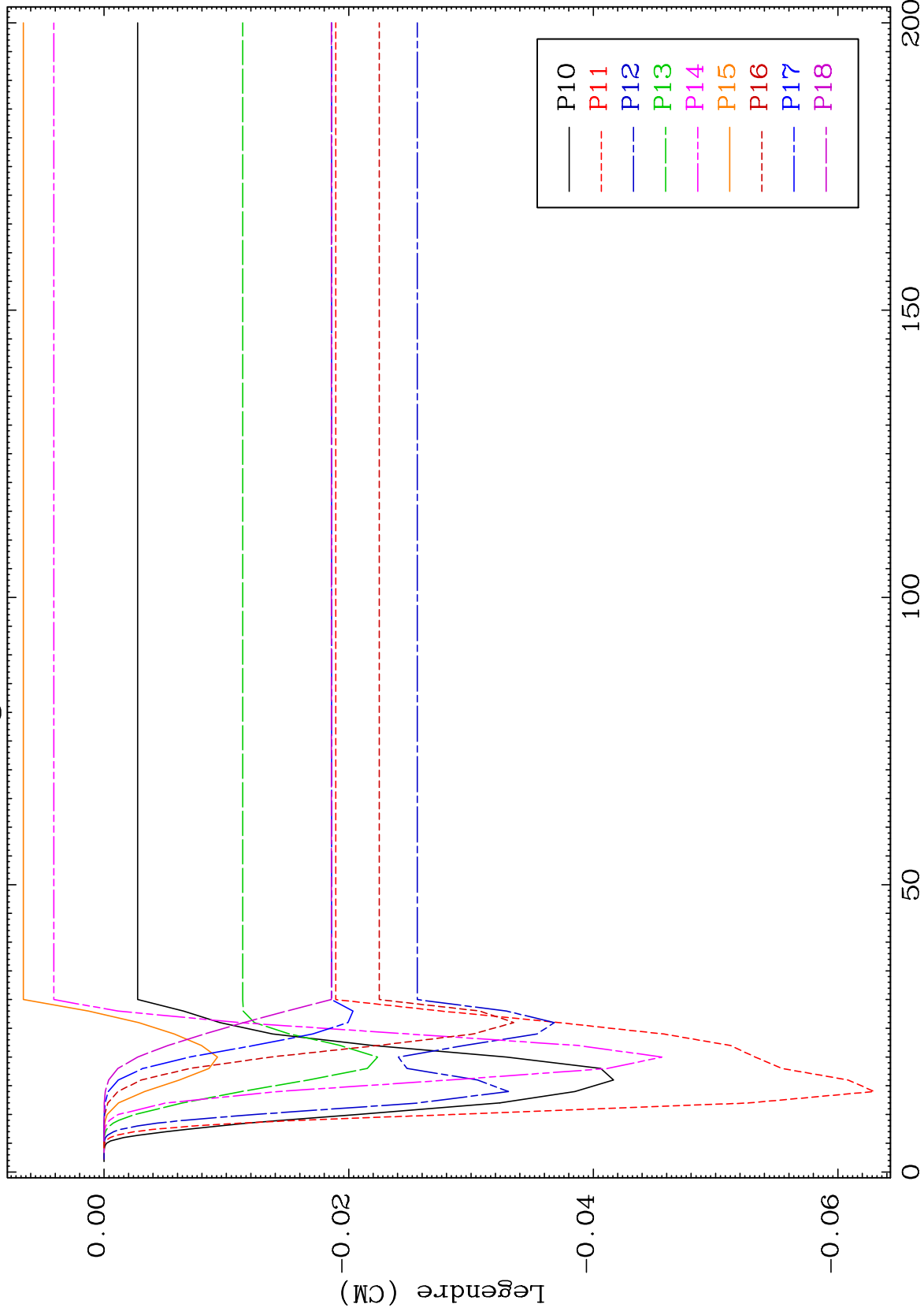
Incident Energy (MeV)

118

MAT 5307

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

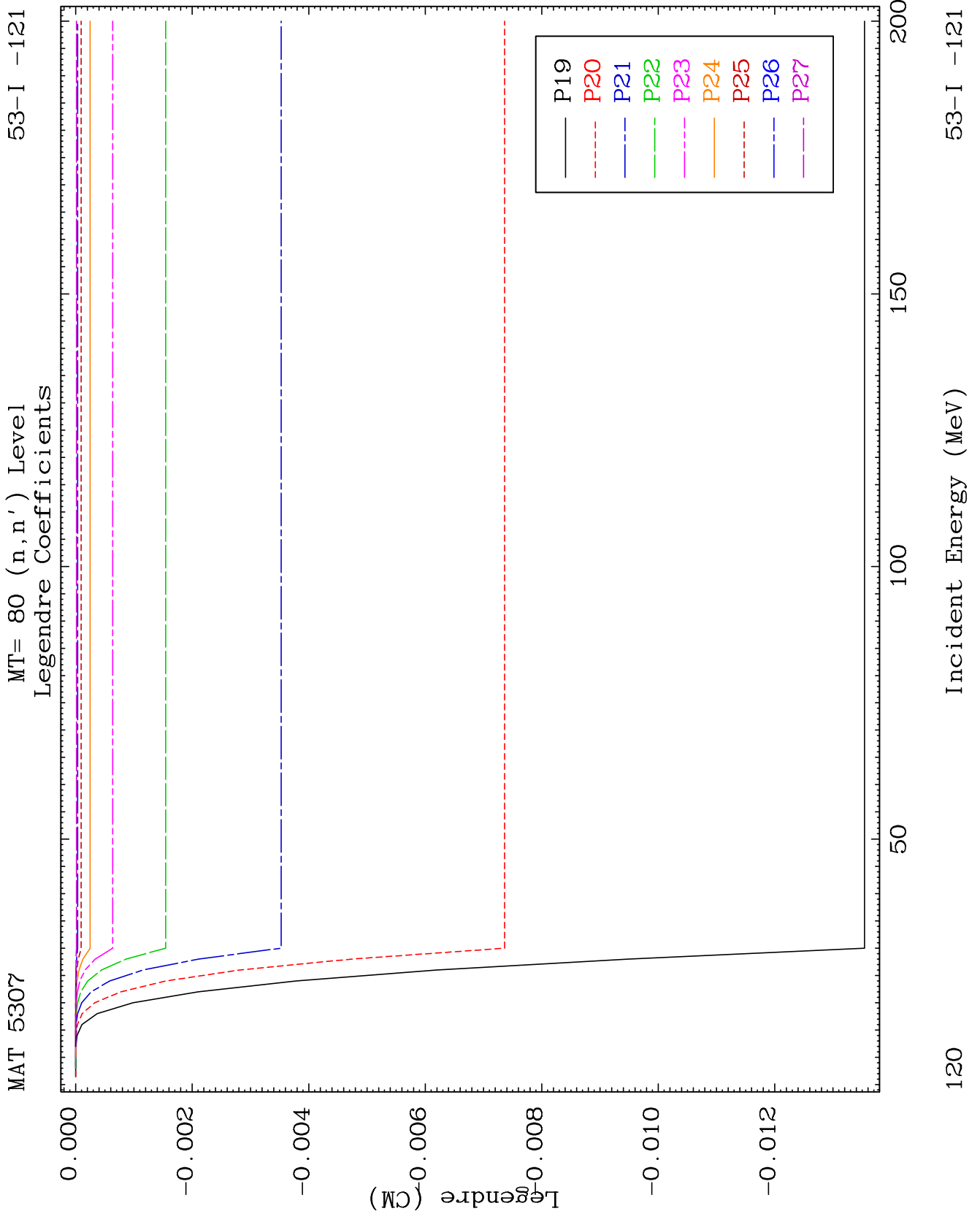
53-I -121

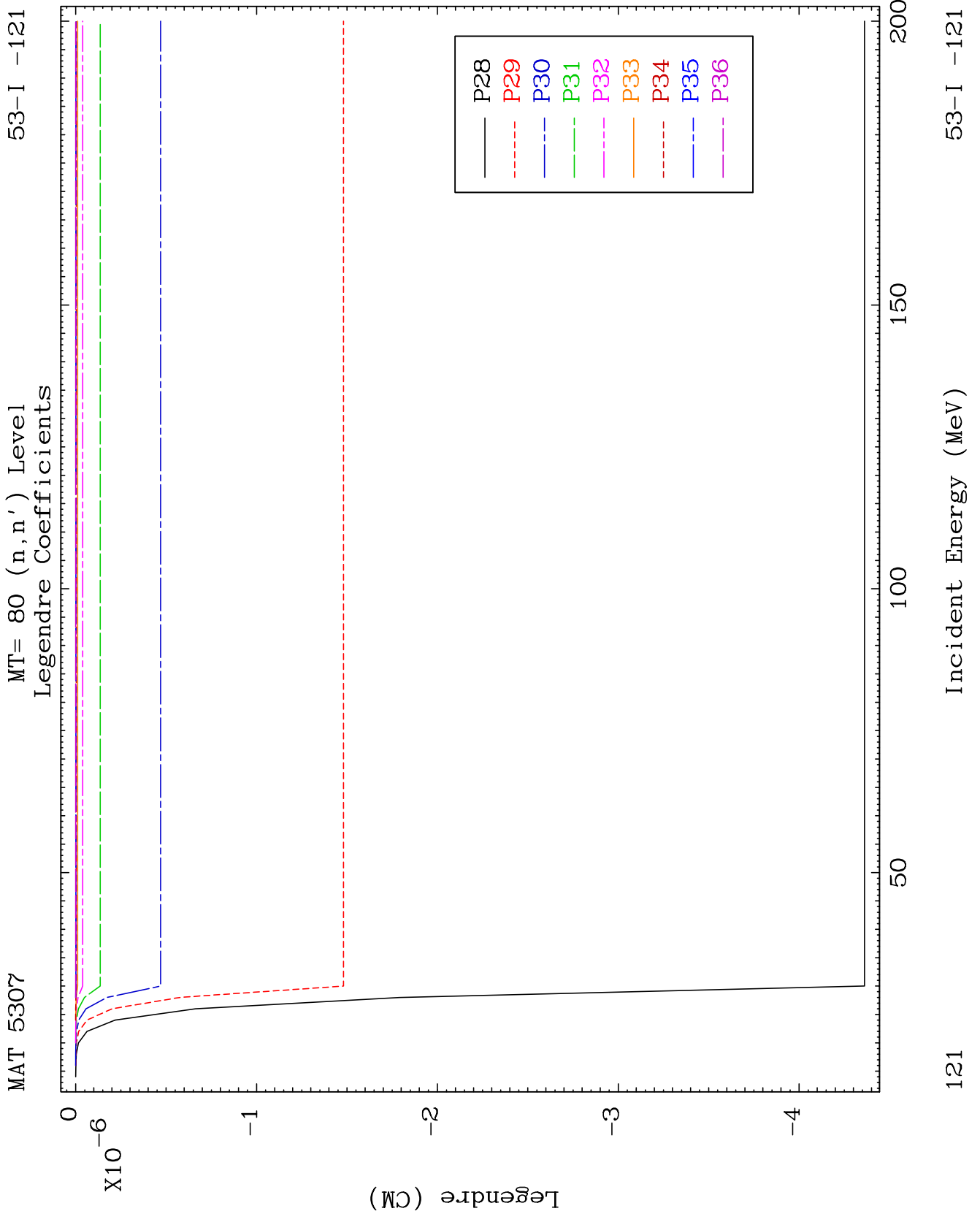


119

Incident Energy (MeV)

53-I -121



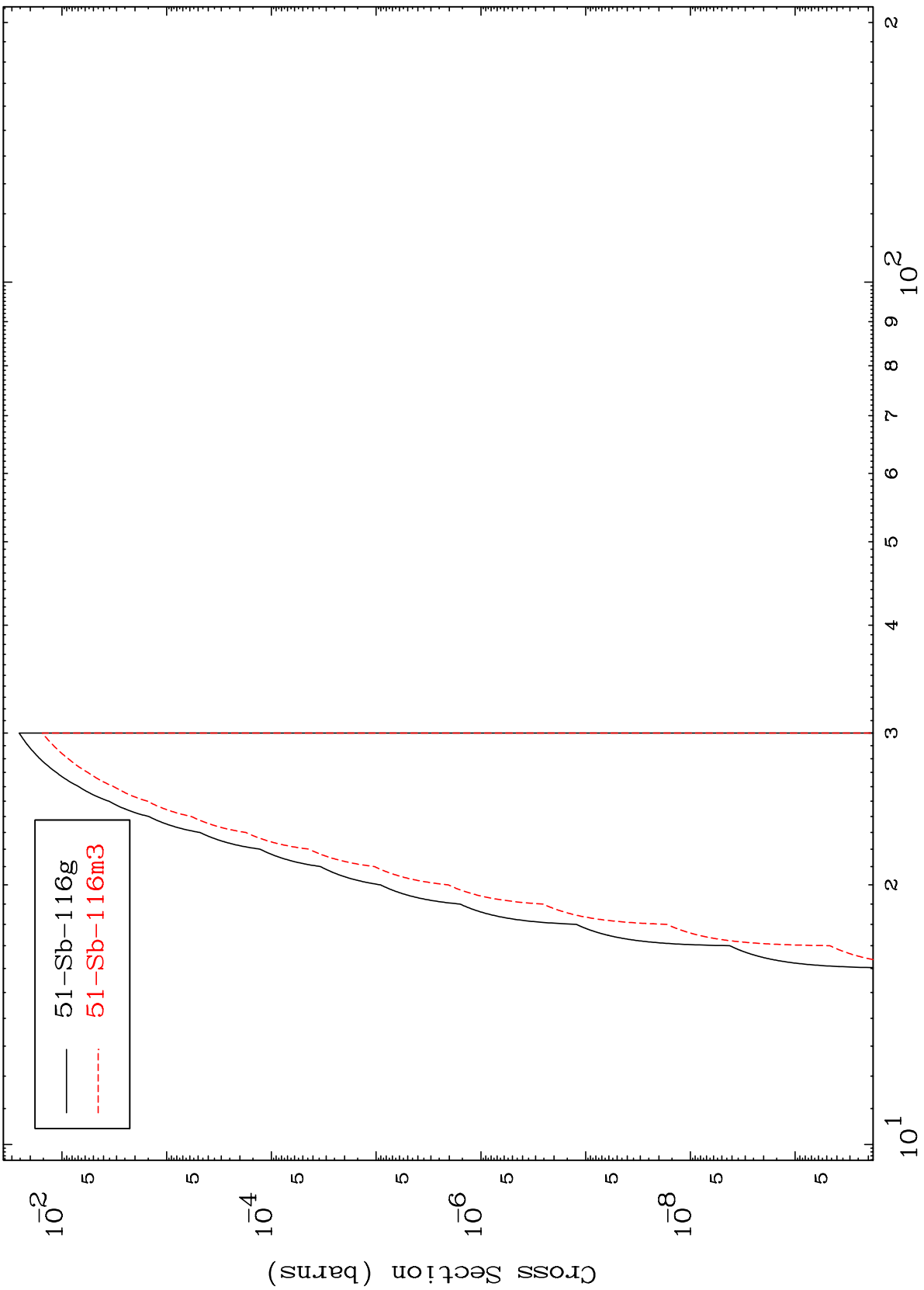


MAT 5307

(n,2n) α

53-I -121

Radionuclide Production Cross Section



51-Sb-116g
51-Sb-116m3

Incident Energy (MeV)

53-I -121

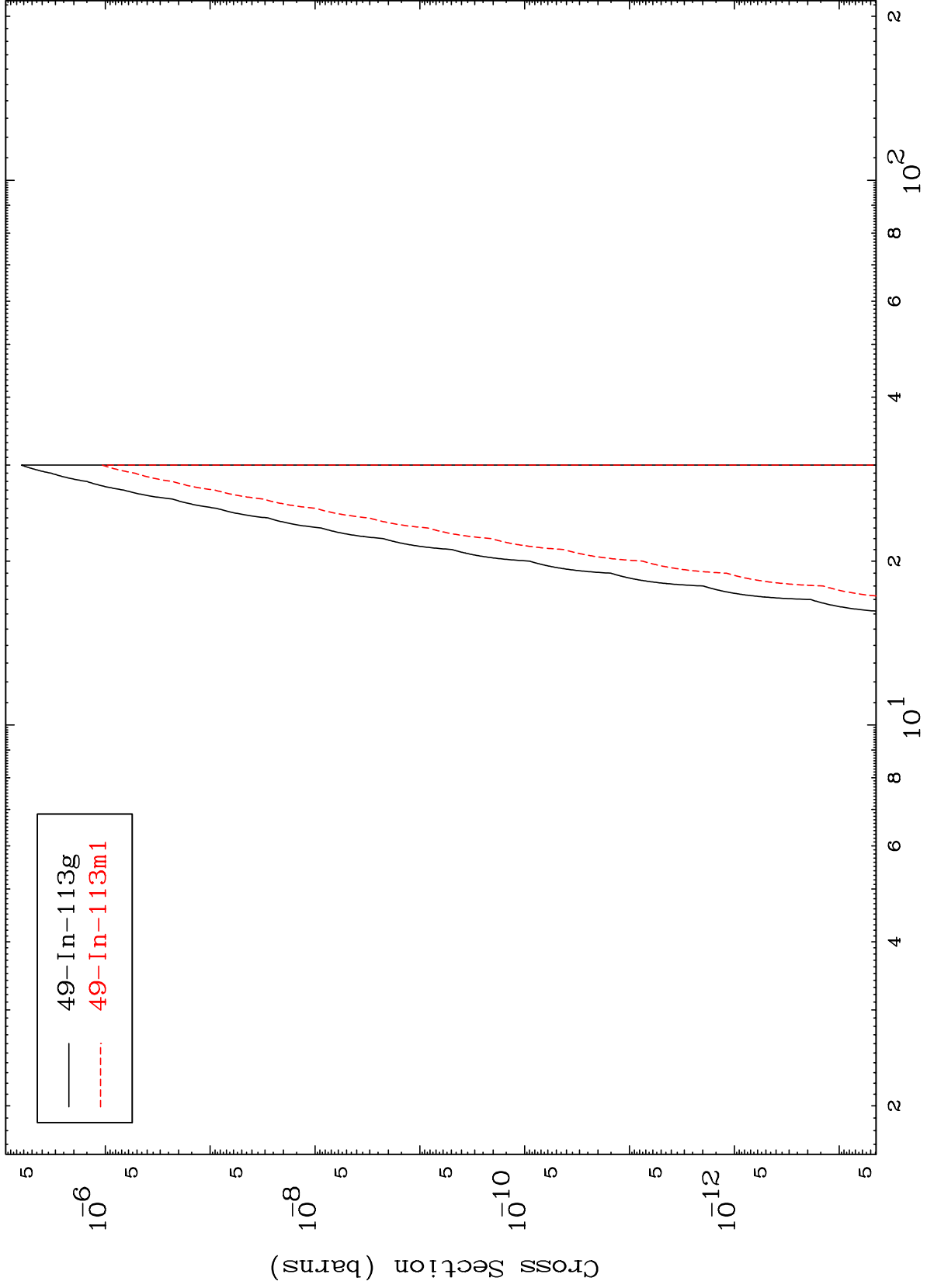
122

MAT 5307

(n,n') 2α

53-I -121

Radionuclide Production Cross Section

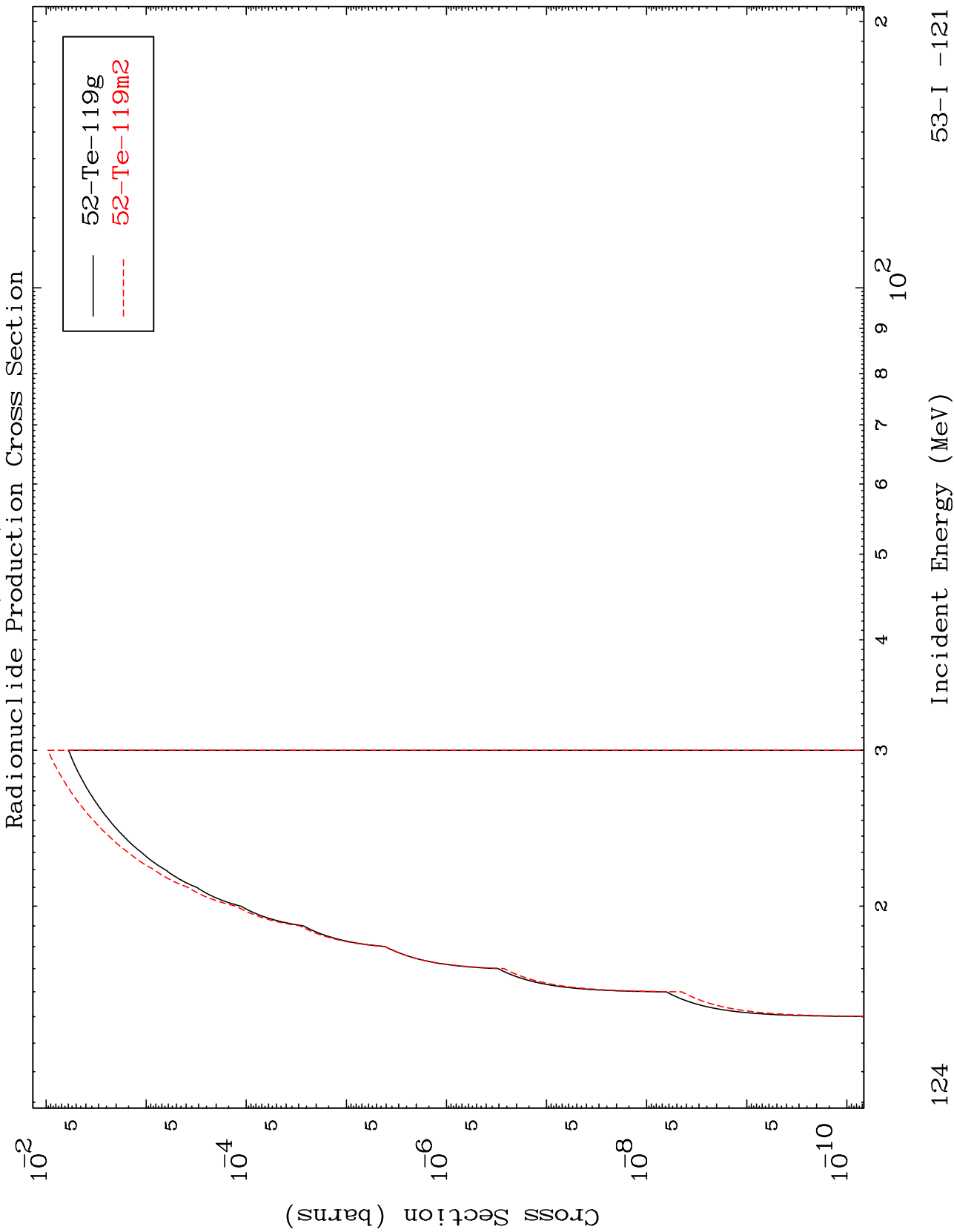


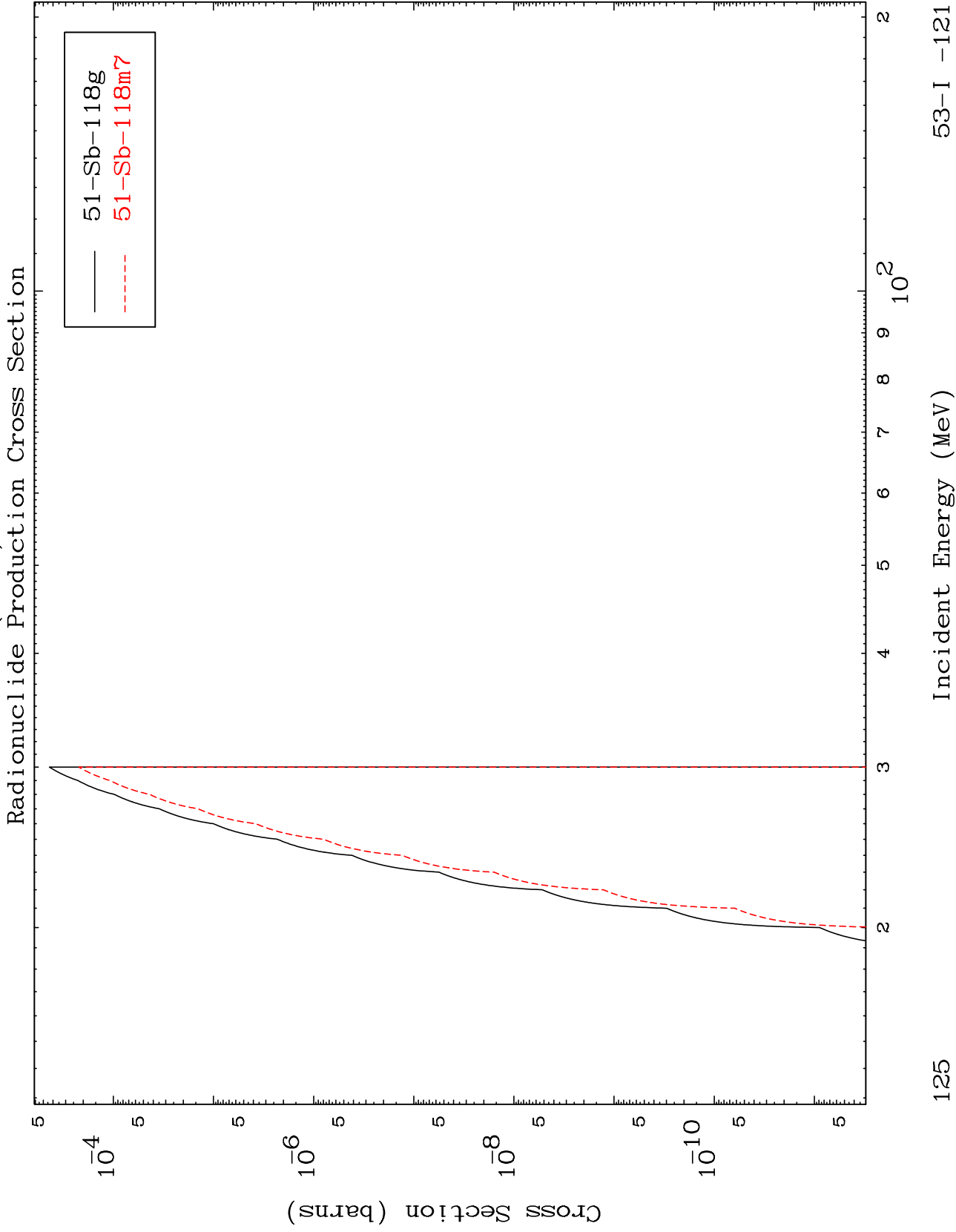
— 49-In-113g
- - - 49-In-113m1

123

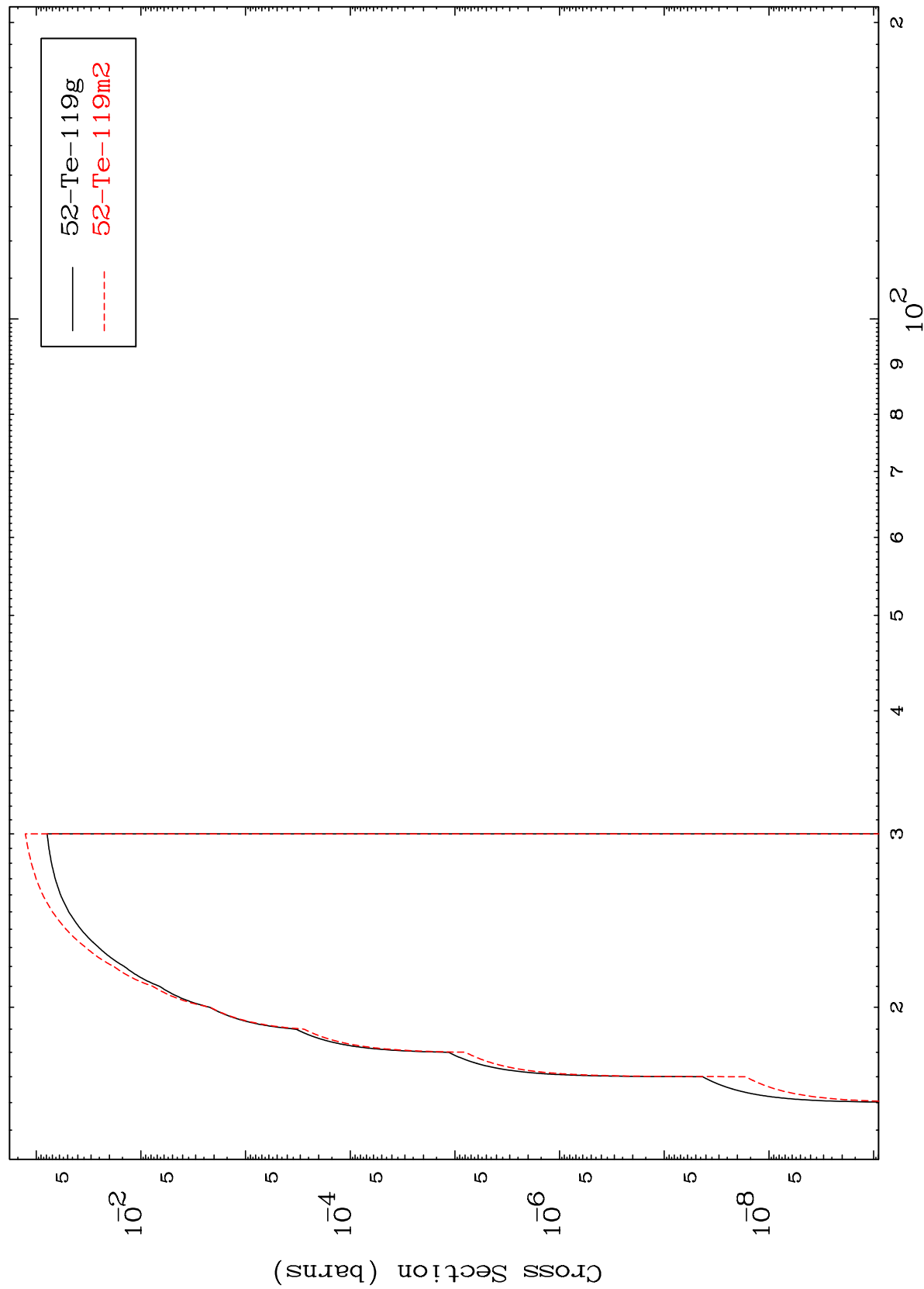
Incident Energy (MeV)

53-I -121





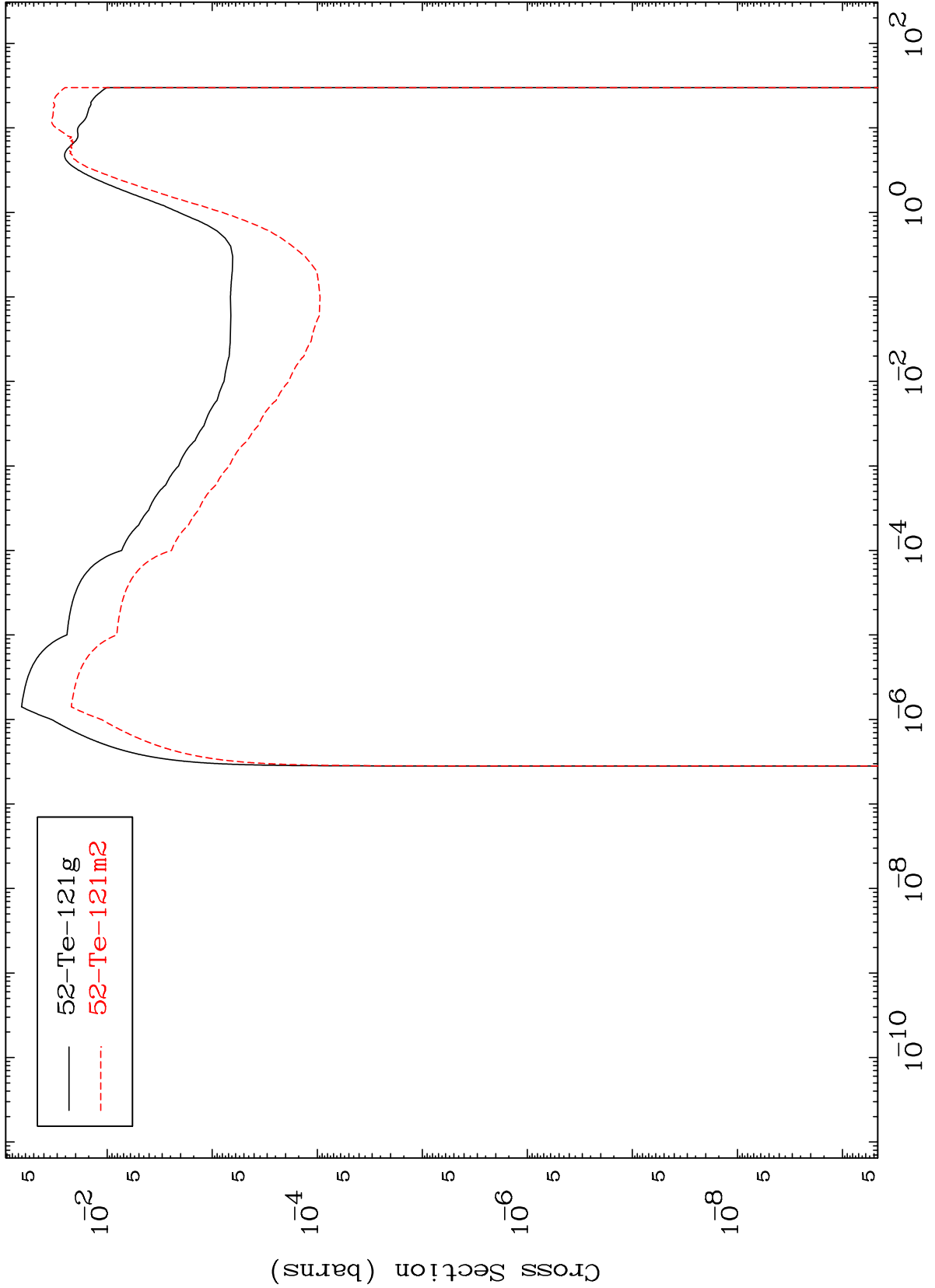
Radionuclide Production Cross Section



MAT 5307

53-I -121

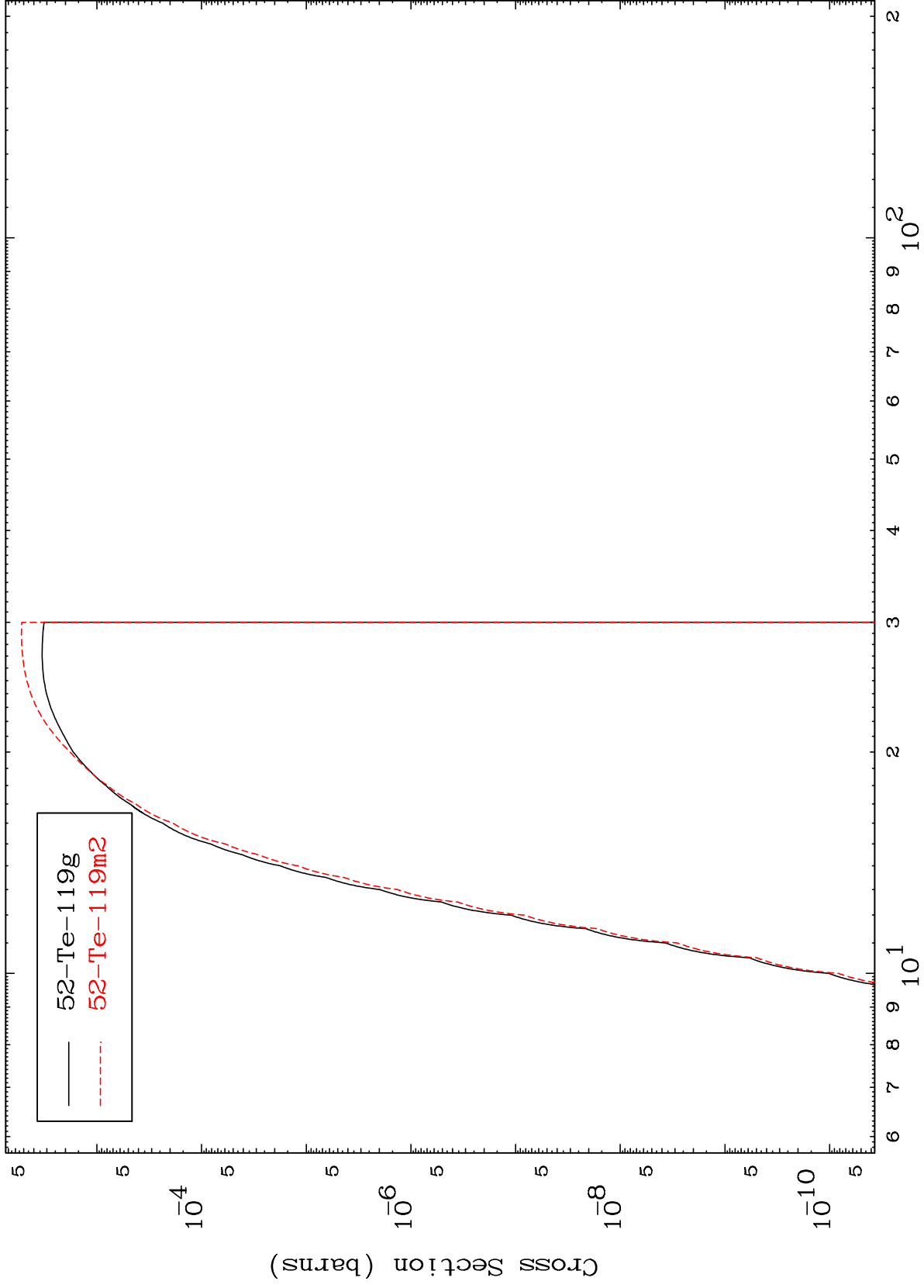
(n,p)
Radionuclide Production Cross Section



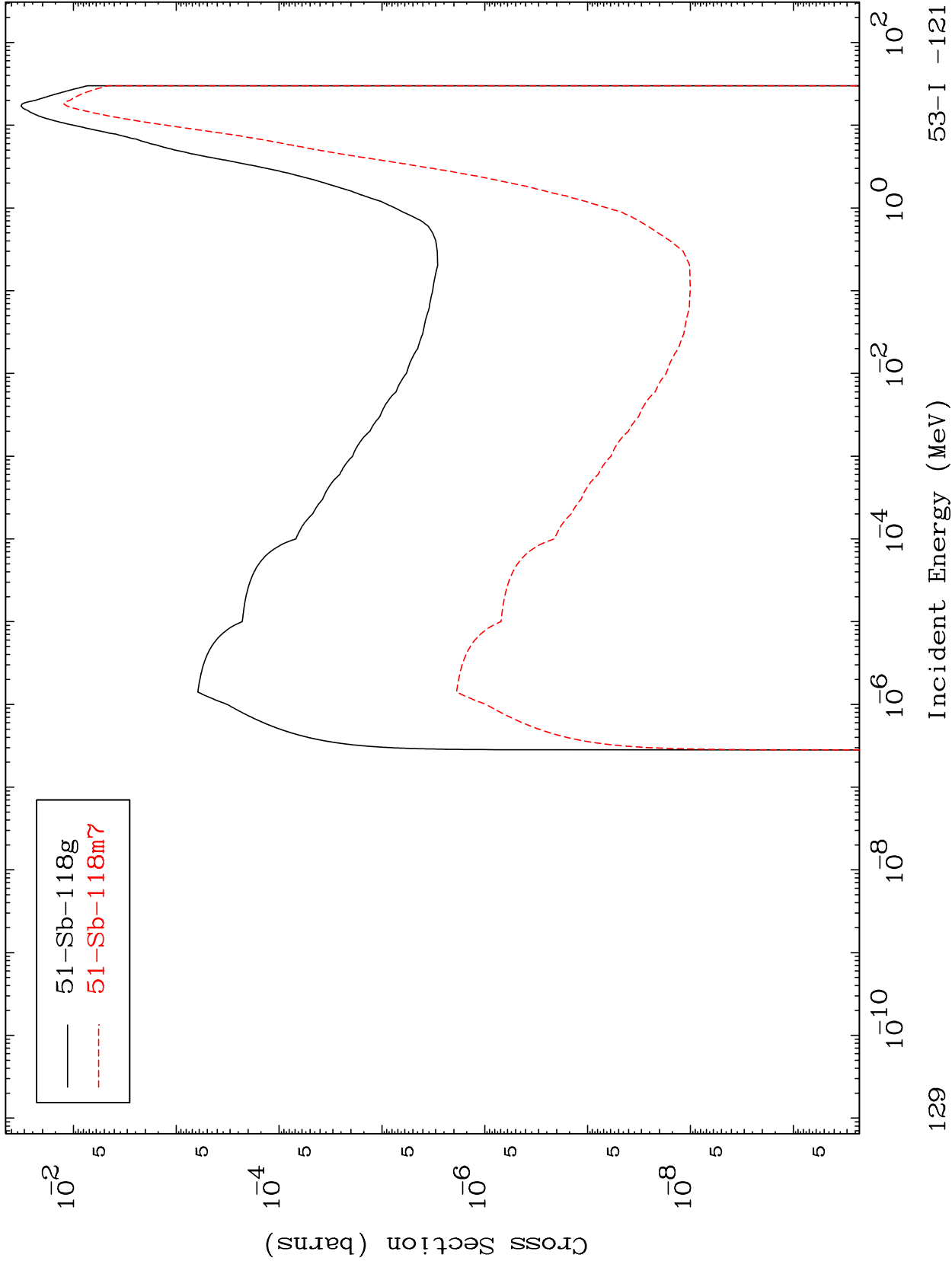
127

53-I -121

(n,t)
Radionuclide Production Cross Section



(n,α)
Radionuclide Production Cross Section

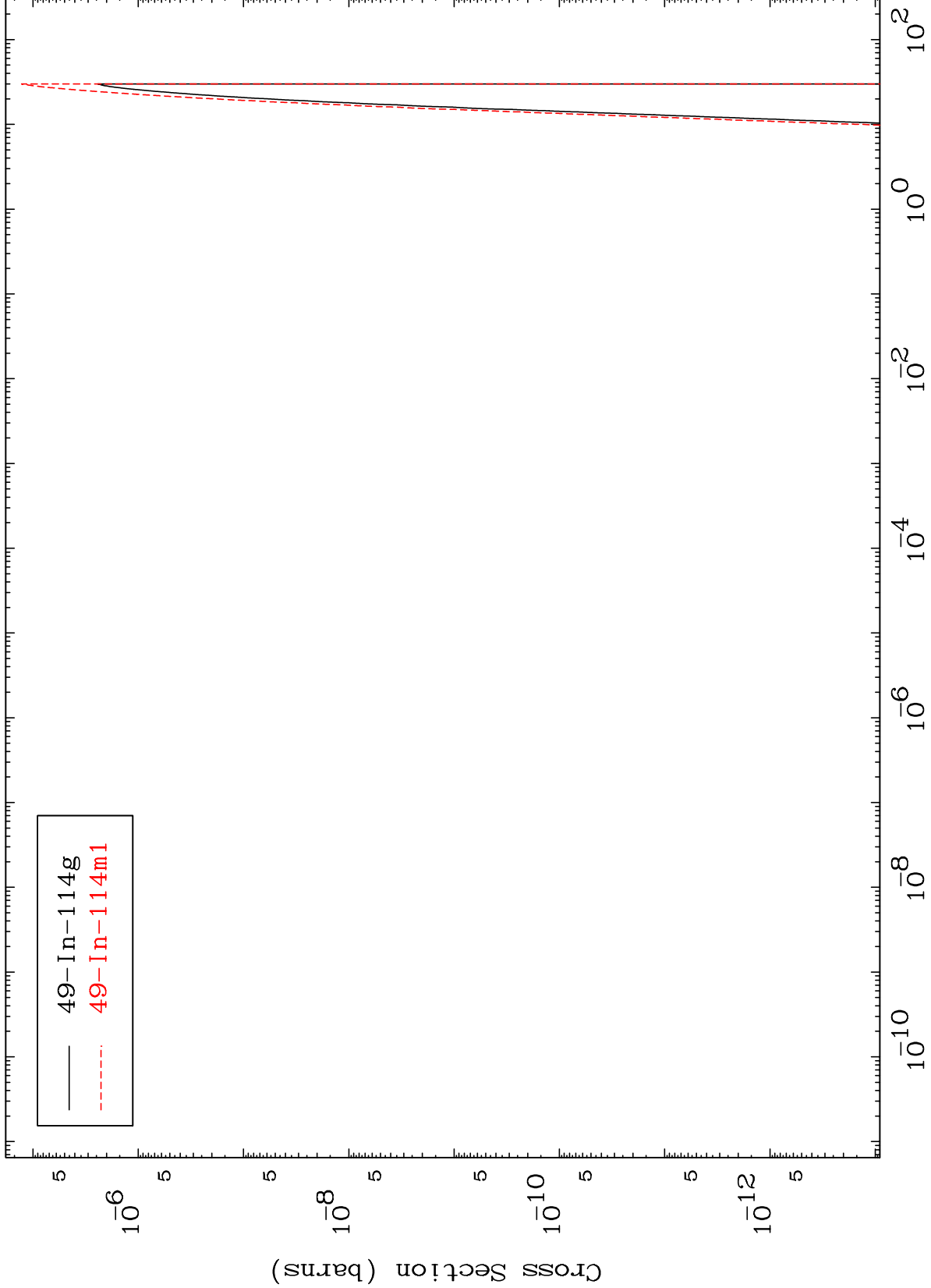


MAT 5307

(n,2α)

53-I -121

Radionuclide Production Cross Section

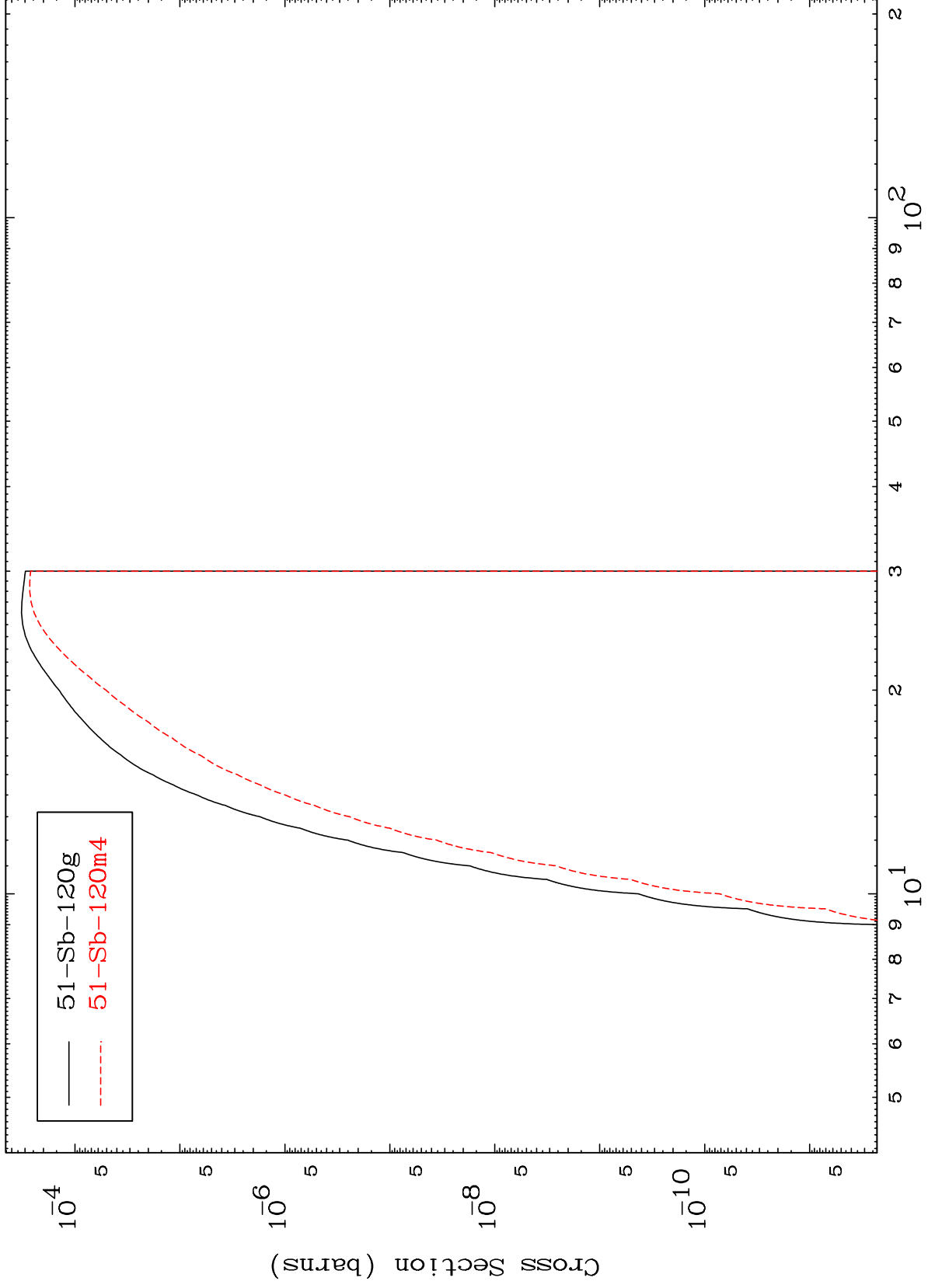


130

Incident Energy (MeV)

53-I -121

(n,2p)
Radionuclide Production Cross Section



MAT 5307

(n,p) α

53-I -121

Radionuclide Production Cross Section

