

Program EVALPLOT
(Version 2018-1)

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

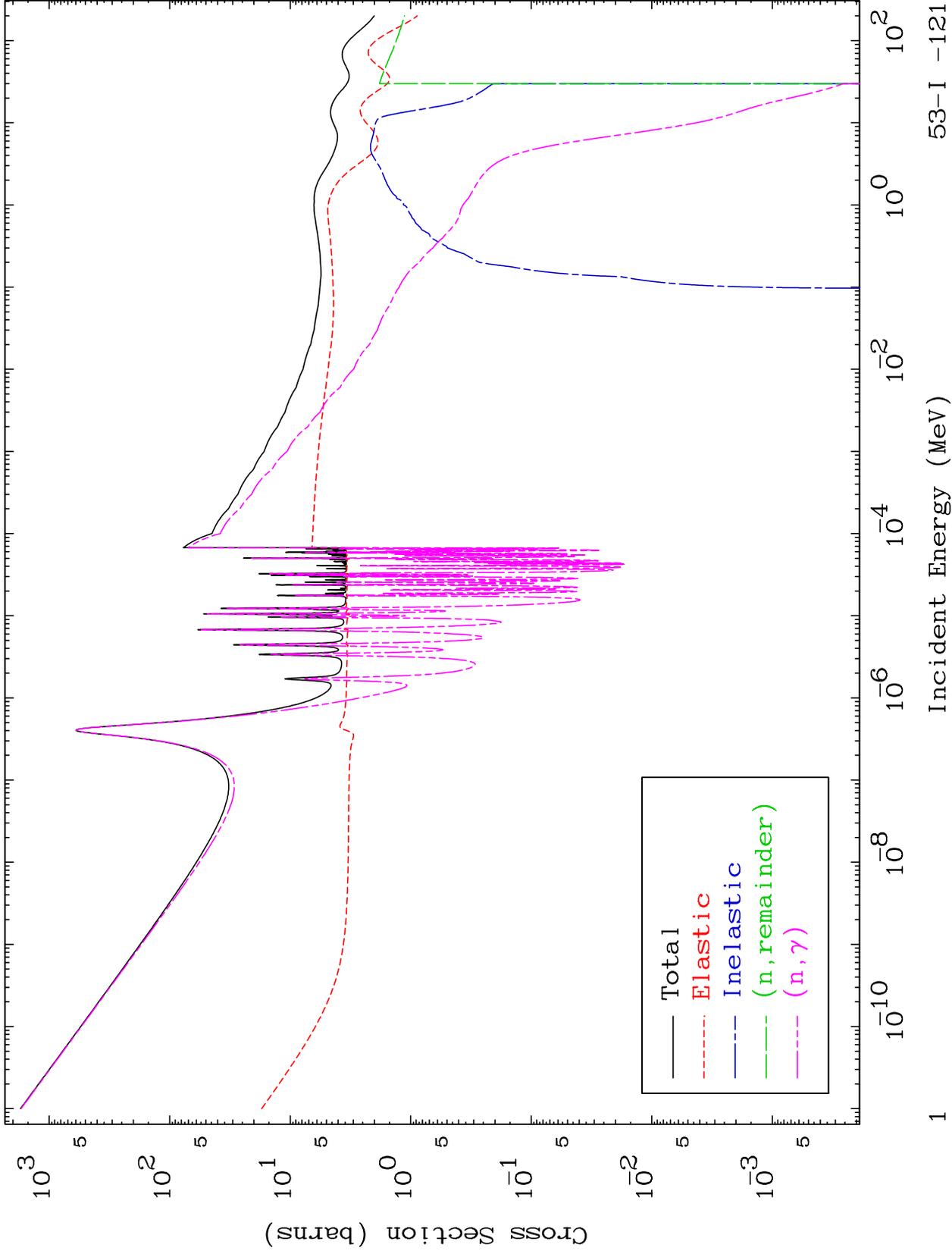
Web: redcullen1.net/HOMEPAGE.NEW

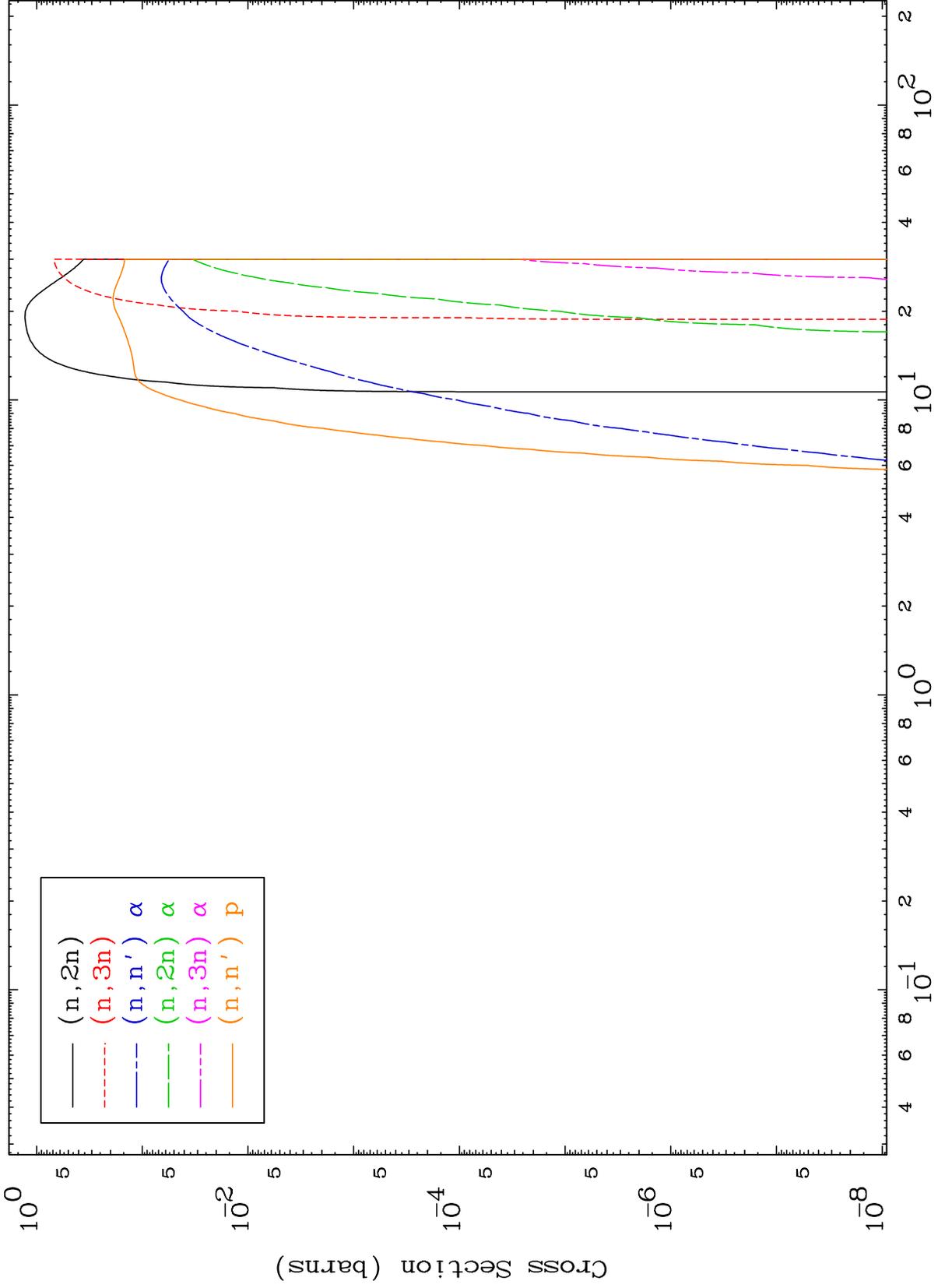
Press Mouse Button to Start

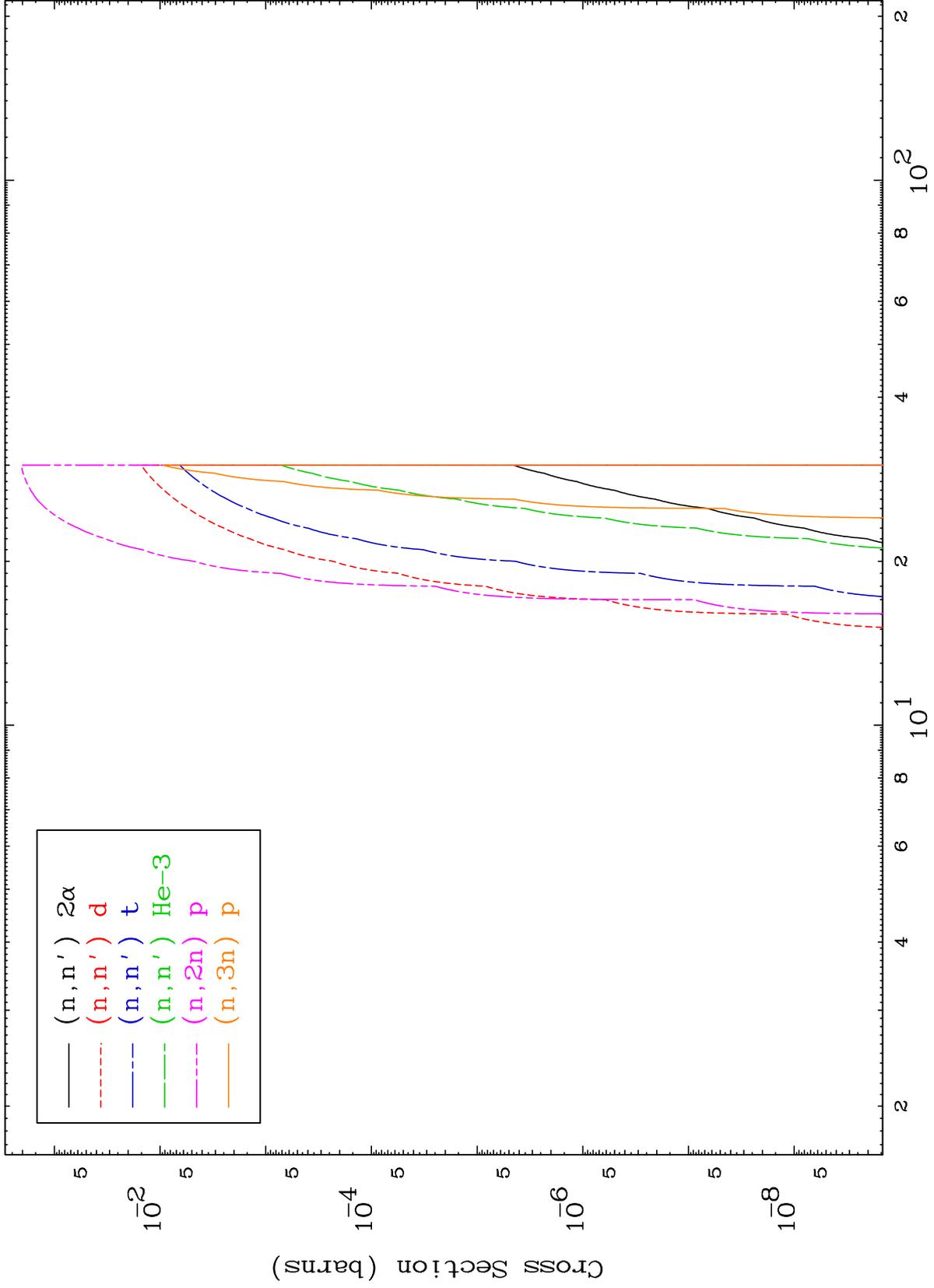
MAT 5307

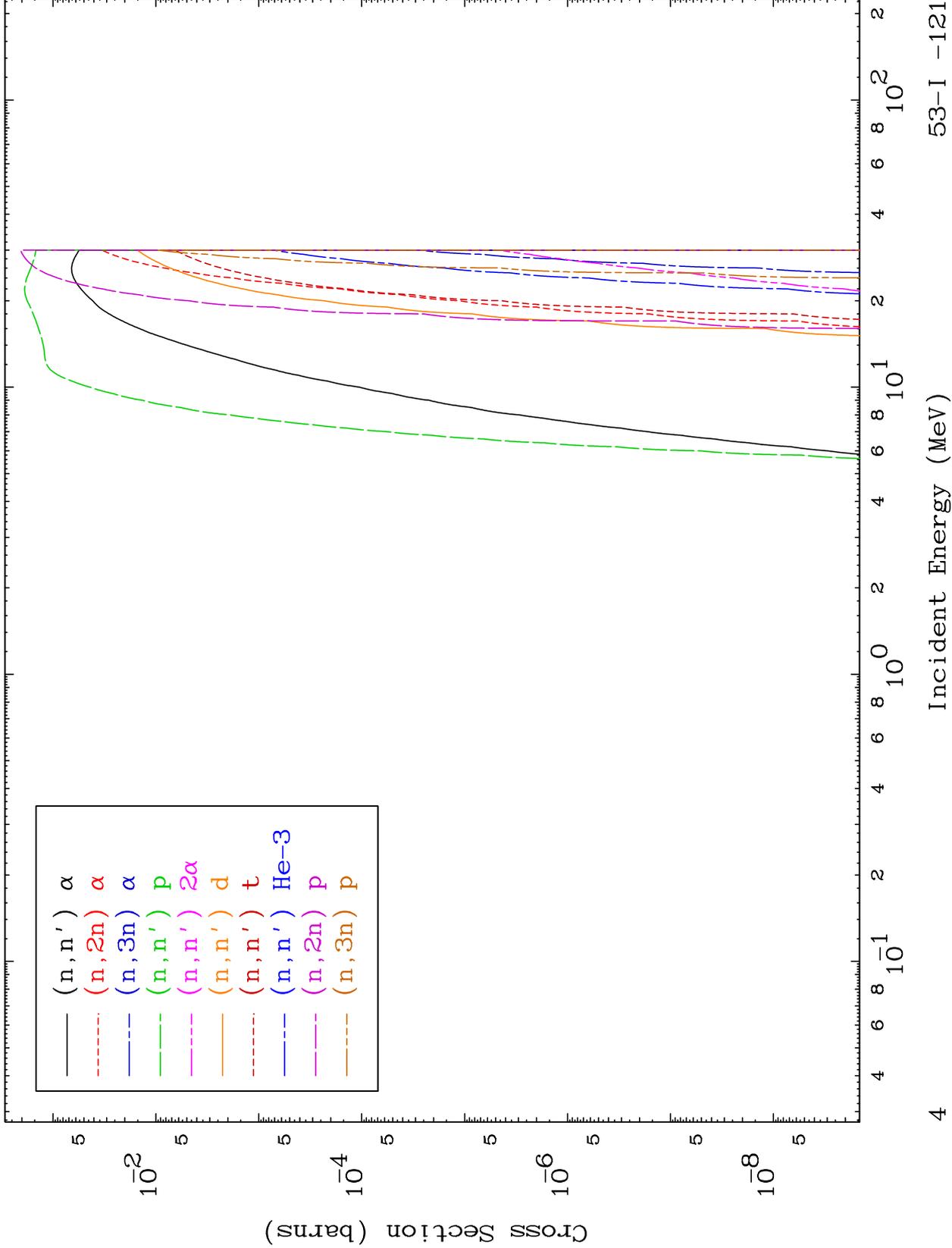
Major
293 Kelvin Cross Sections

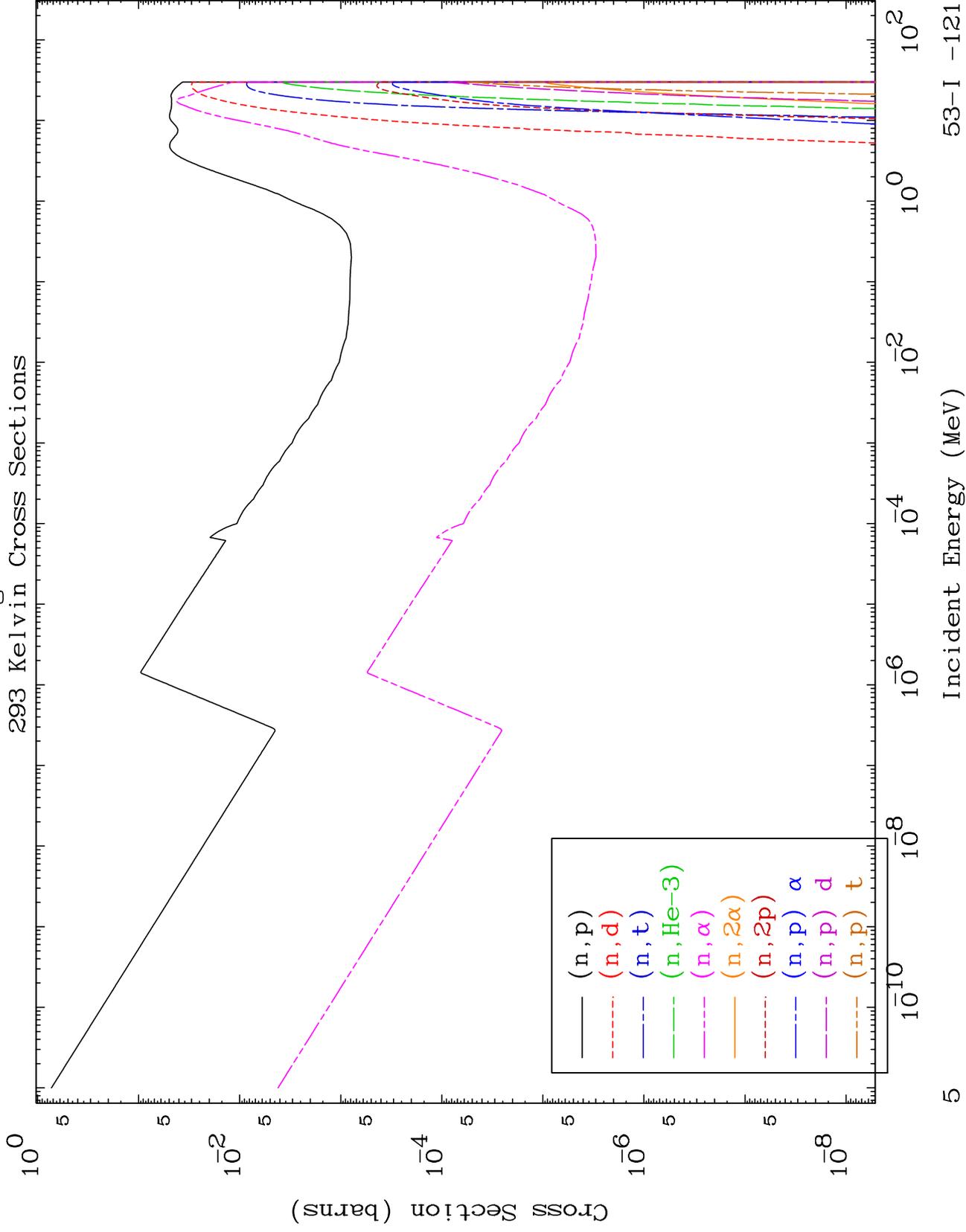
53-I -121

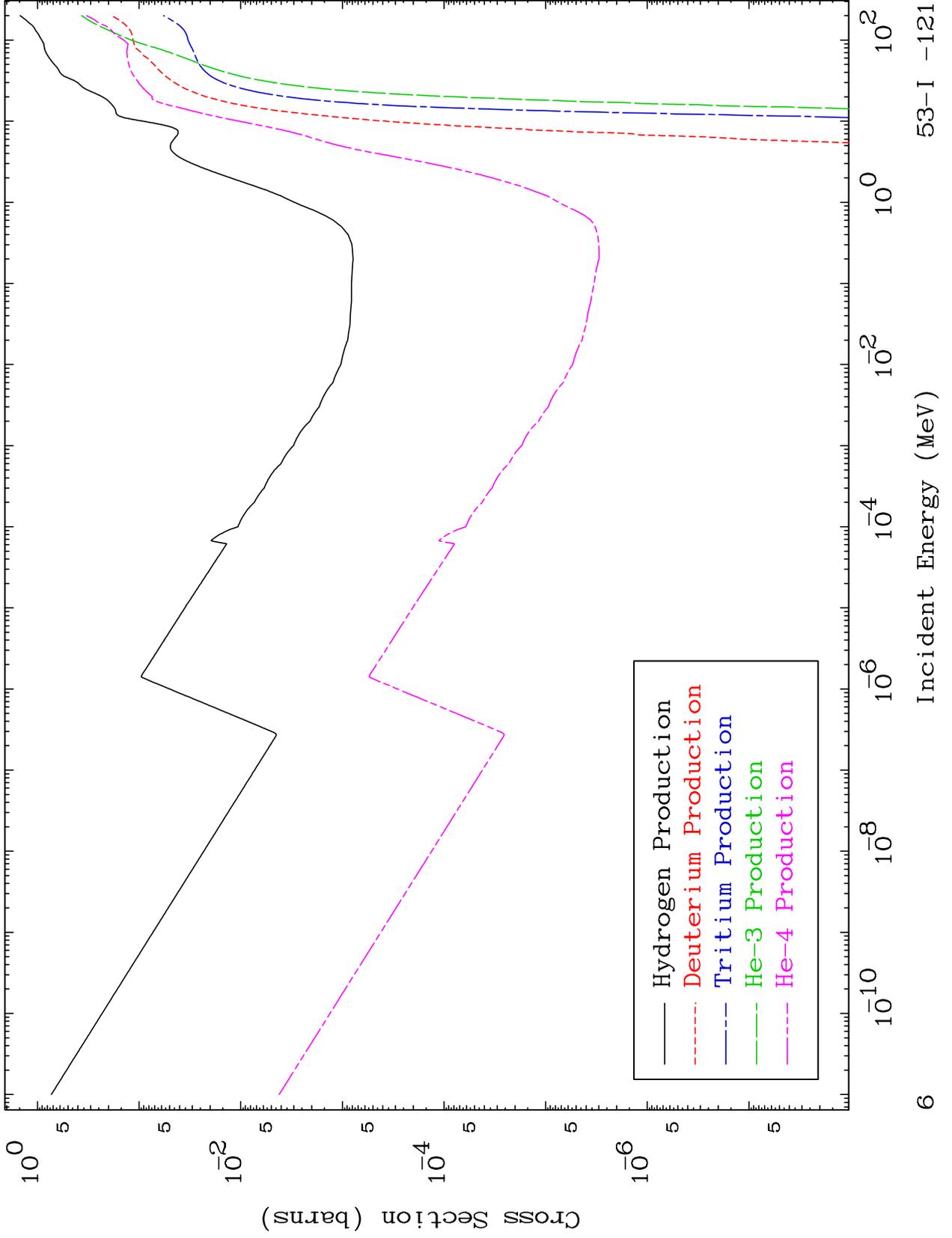


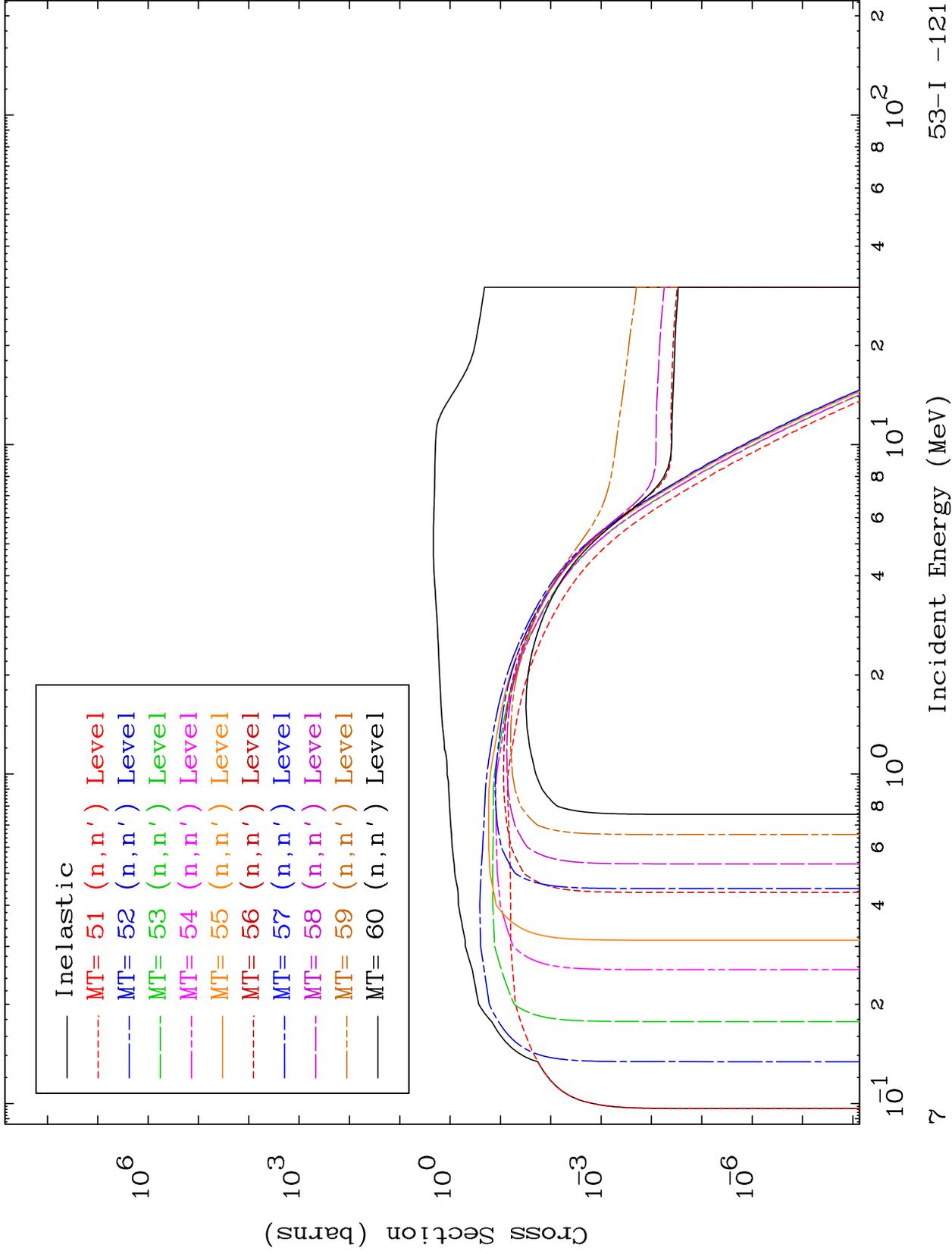




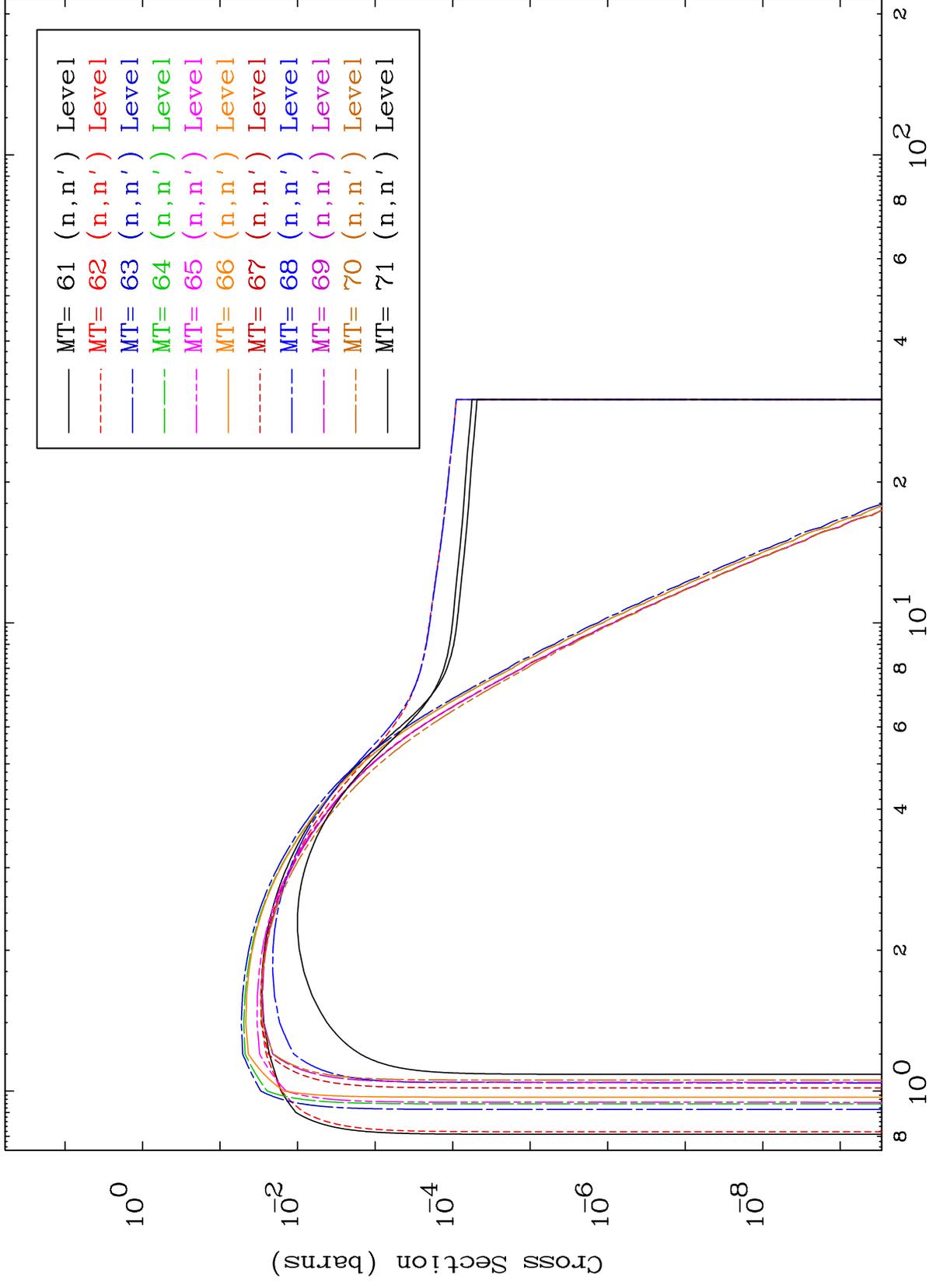




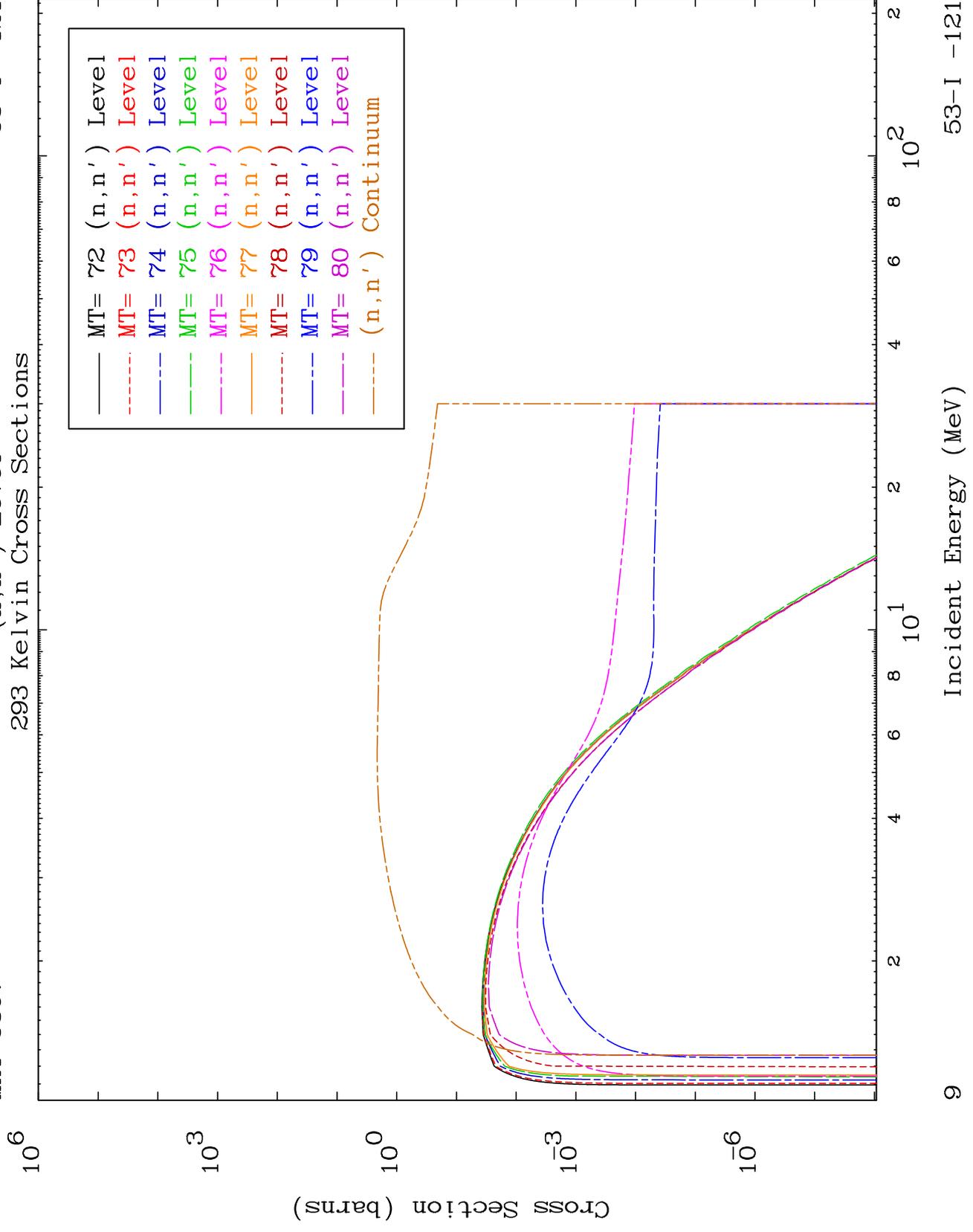




293 Kelvin Cross Sections



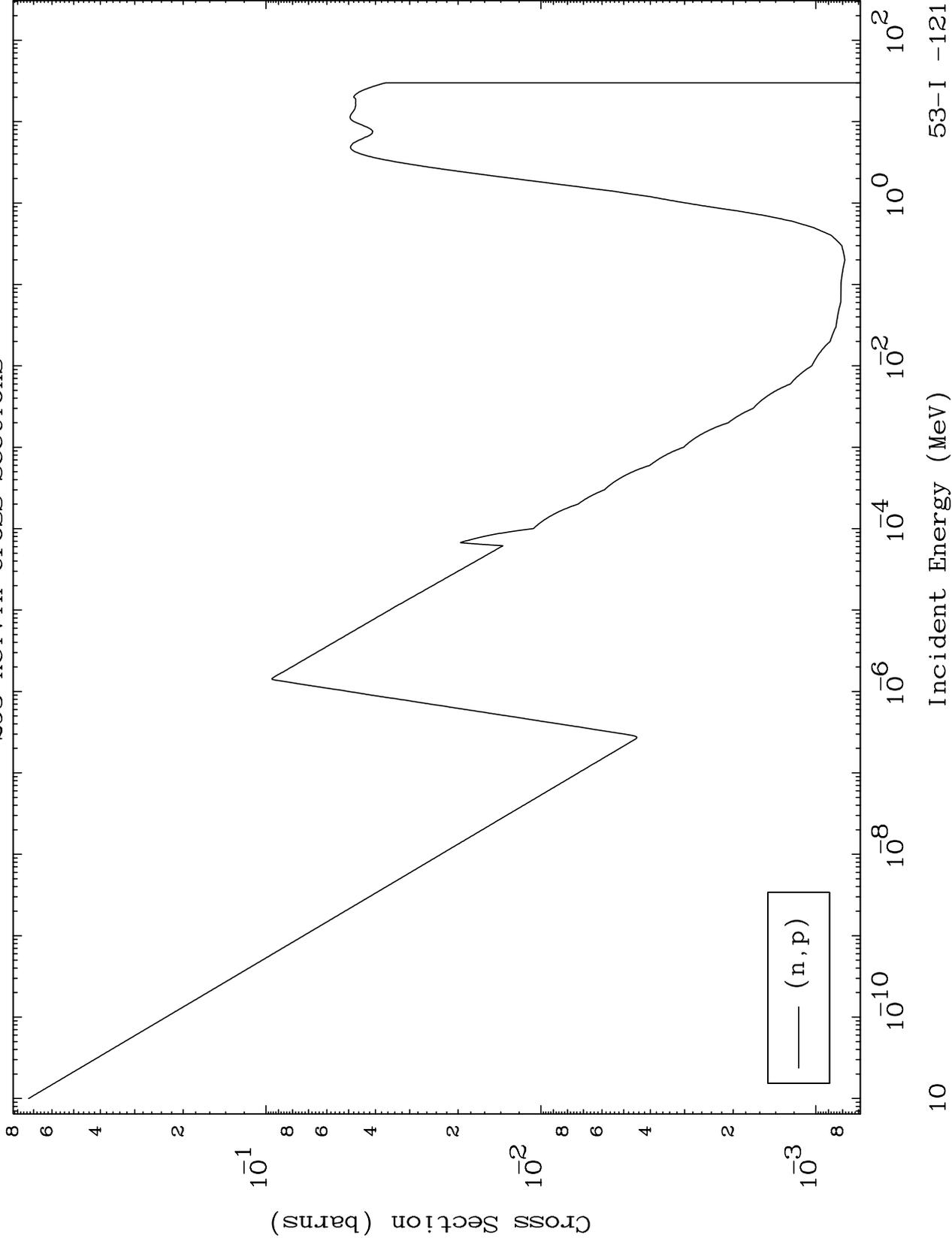
293 Kelvin Cross Sections



MAT 5307

(n,p) Levels
293 Kelvin Cross Sections

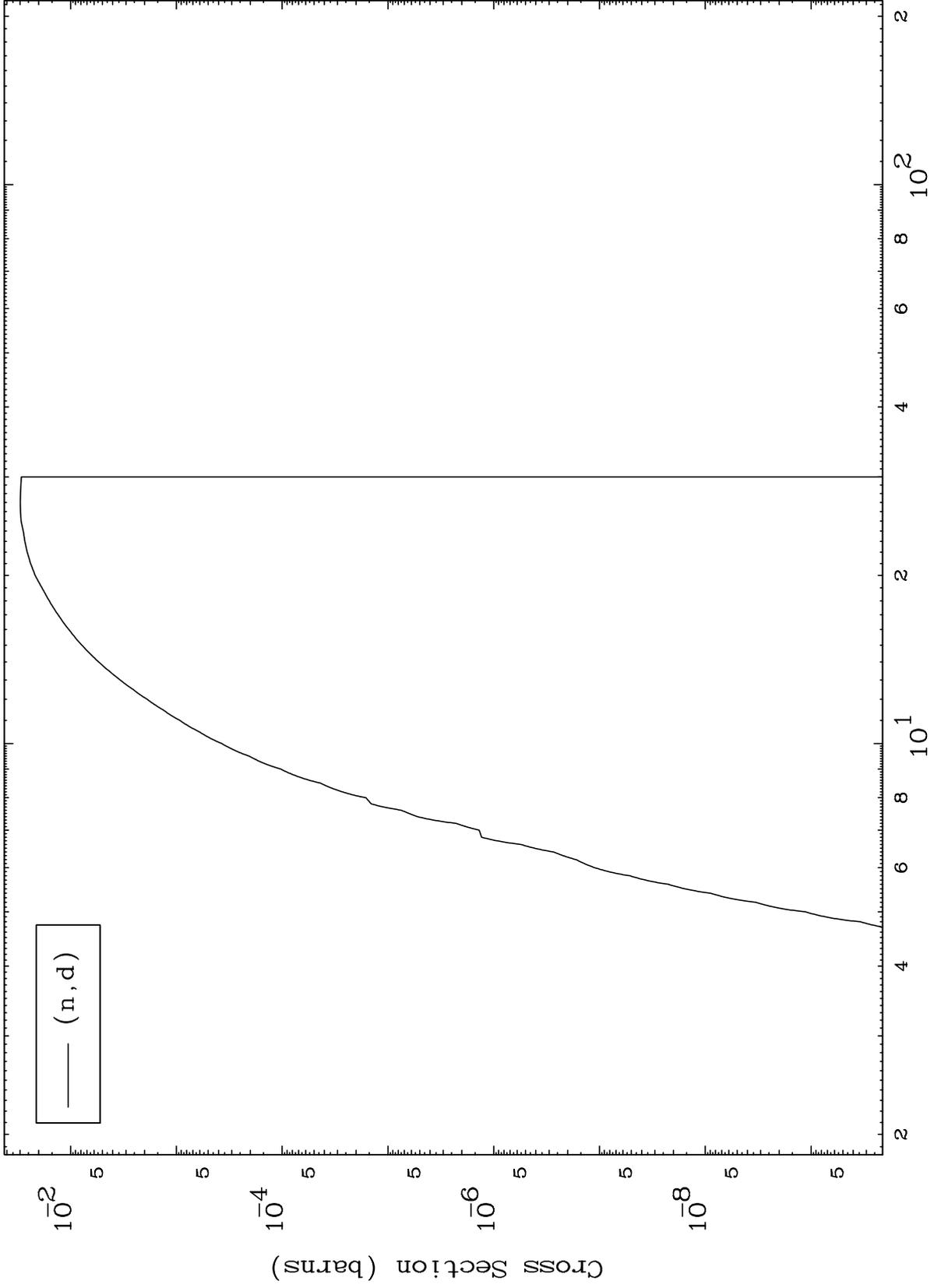
53-I -121

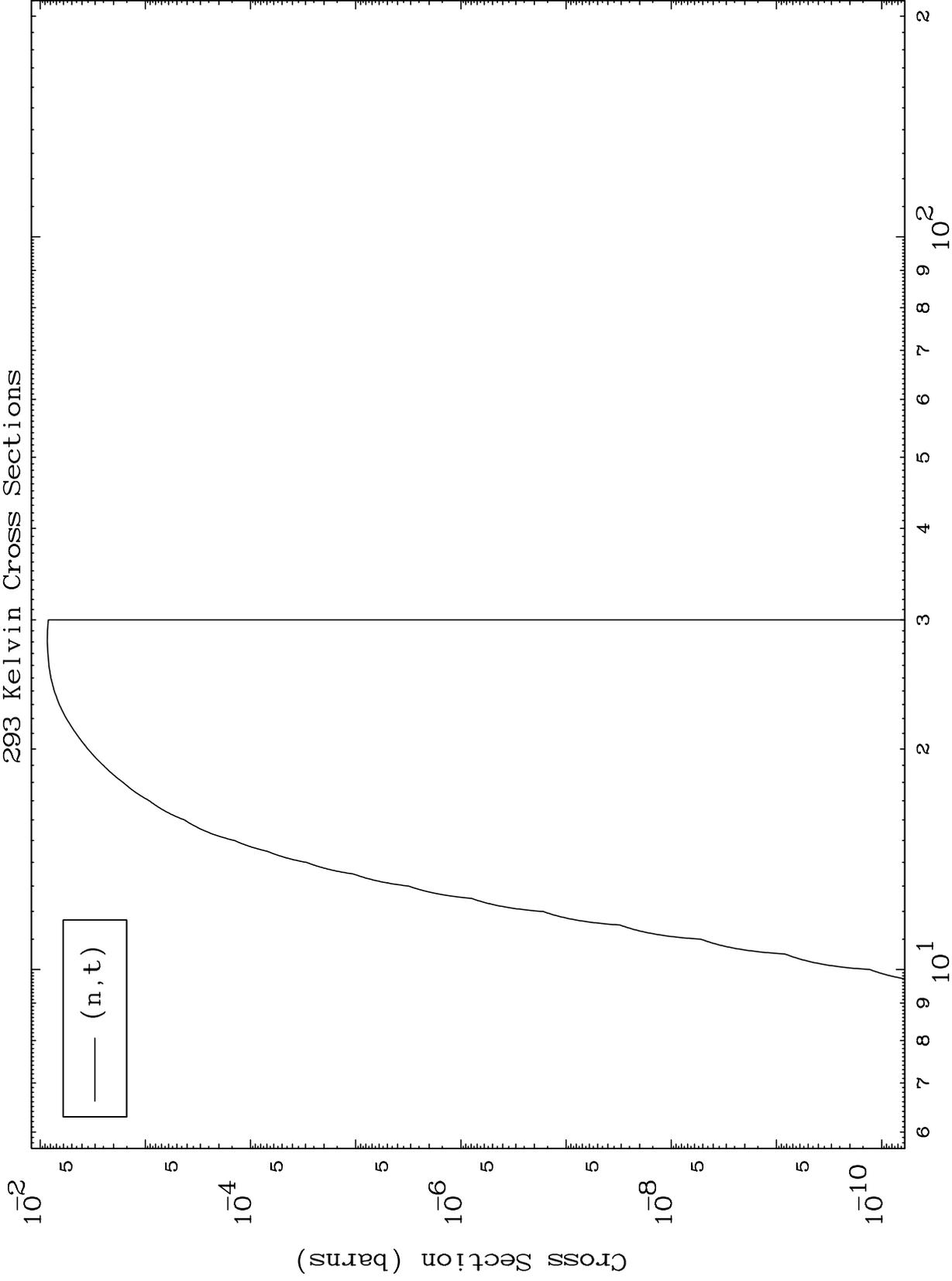


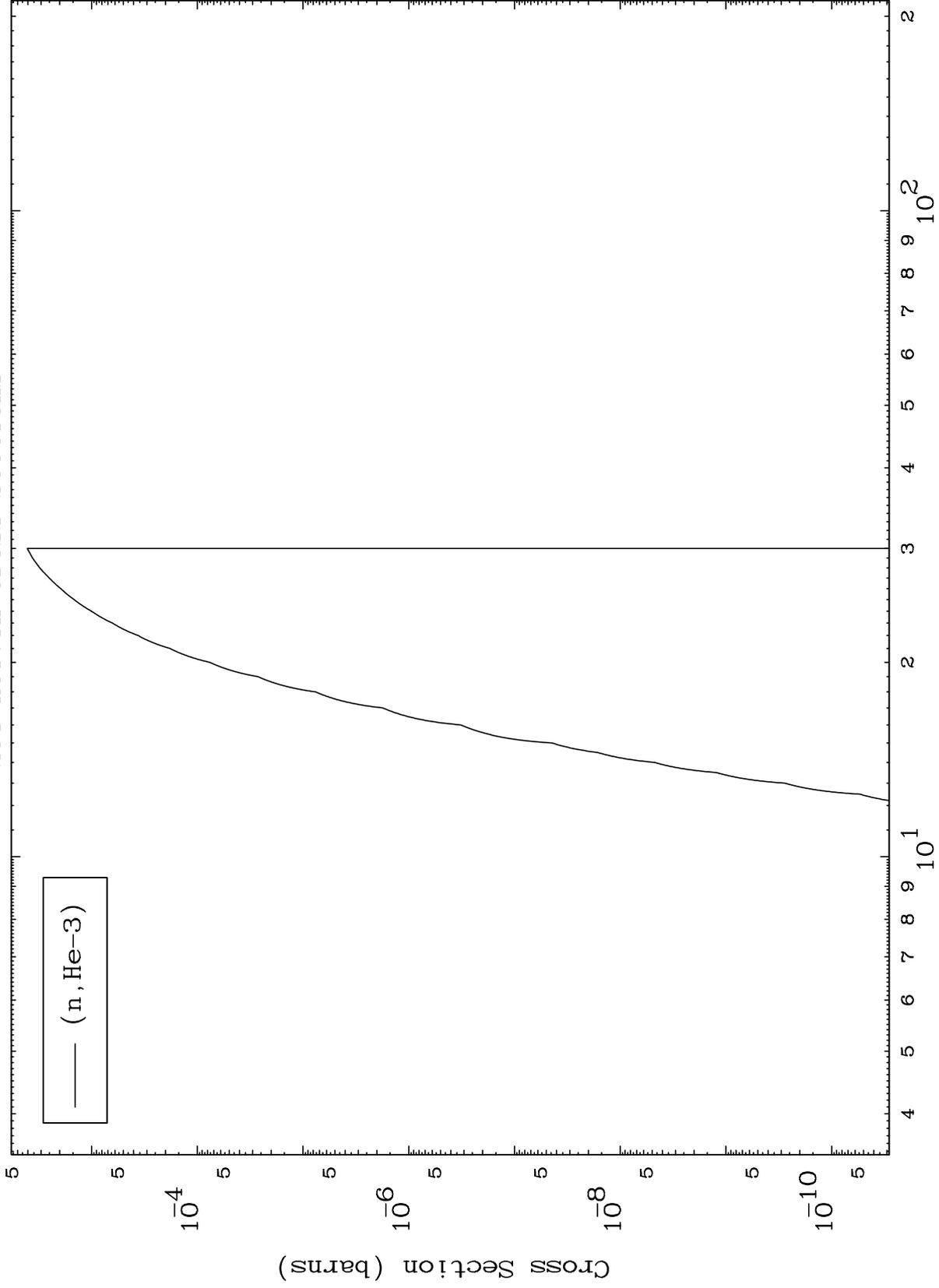
MAT 5307

(n,d) Levels
293 Kelvin Cross Sections

53-I -121



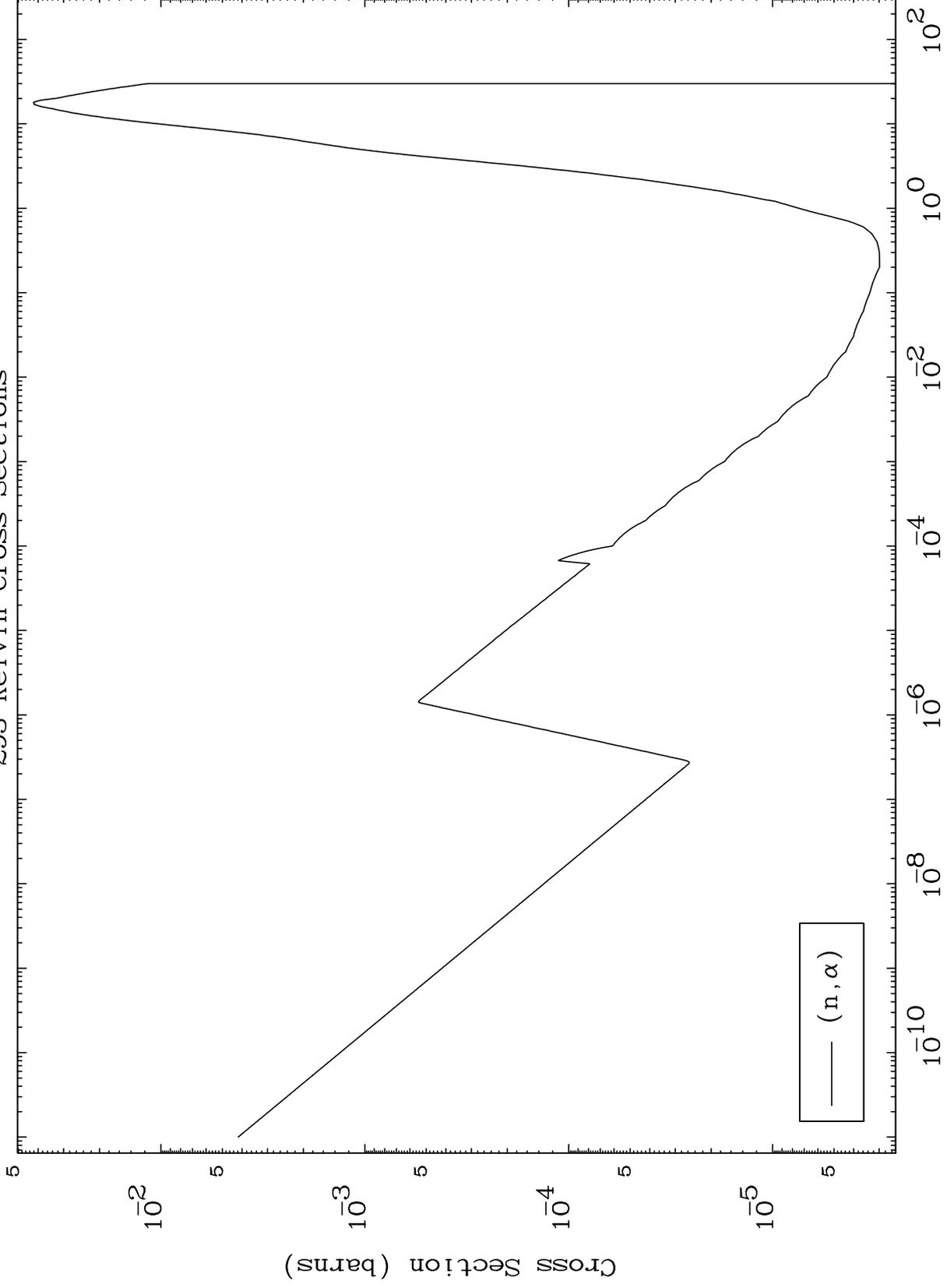


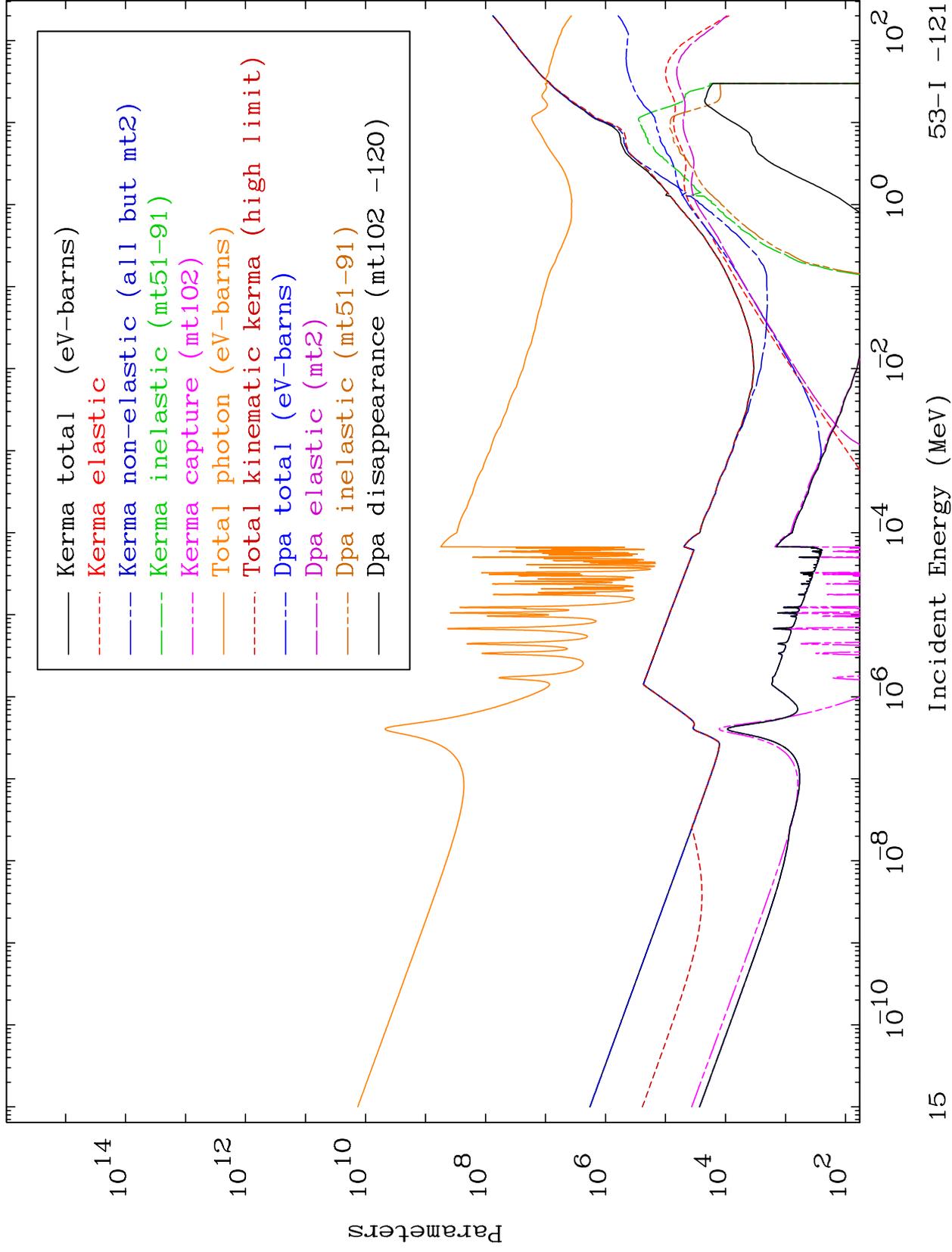


MAT 5307

(n,α) Levels
293 Kelvin Cross Sections

53-I -121

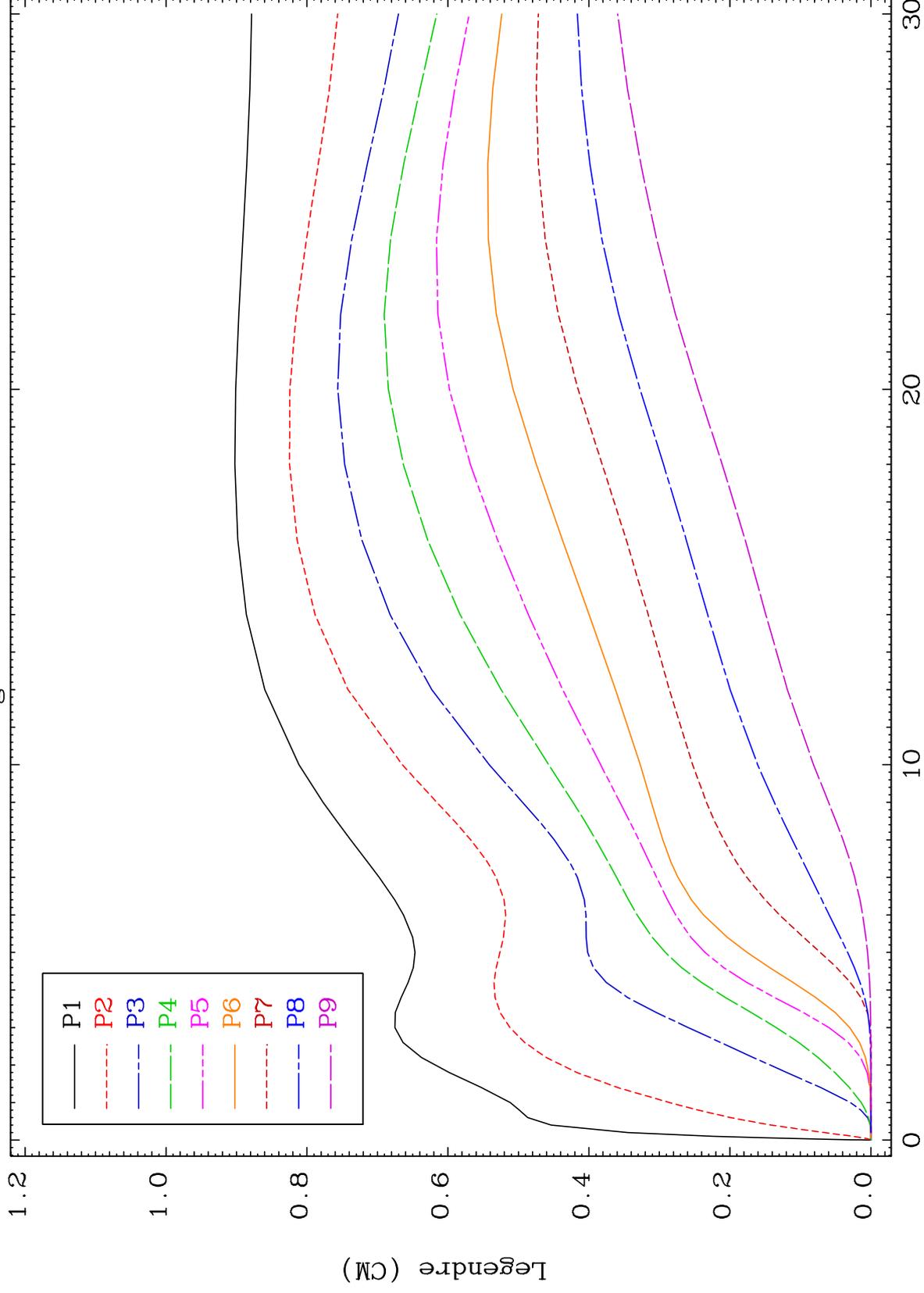




MAT 5307

Elastic Legendre Coefficients

53-I -121

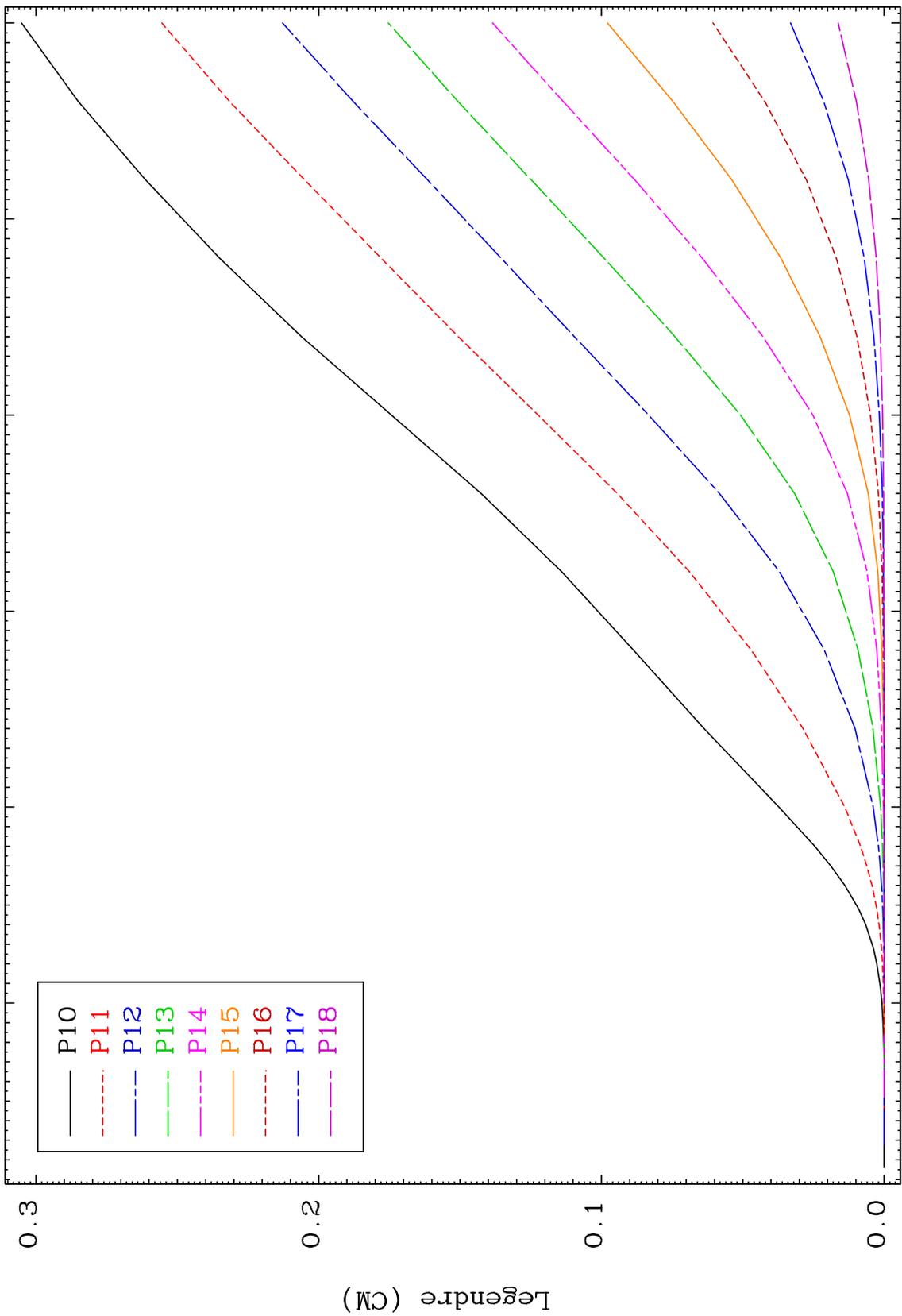


16

Incident Energy (MeV)

53-I -121

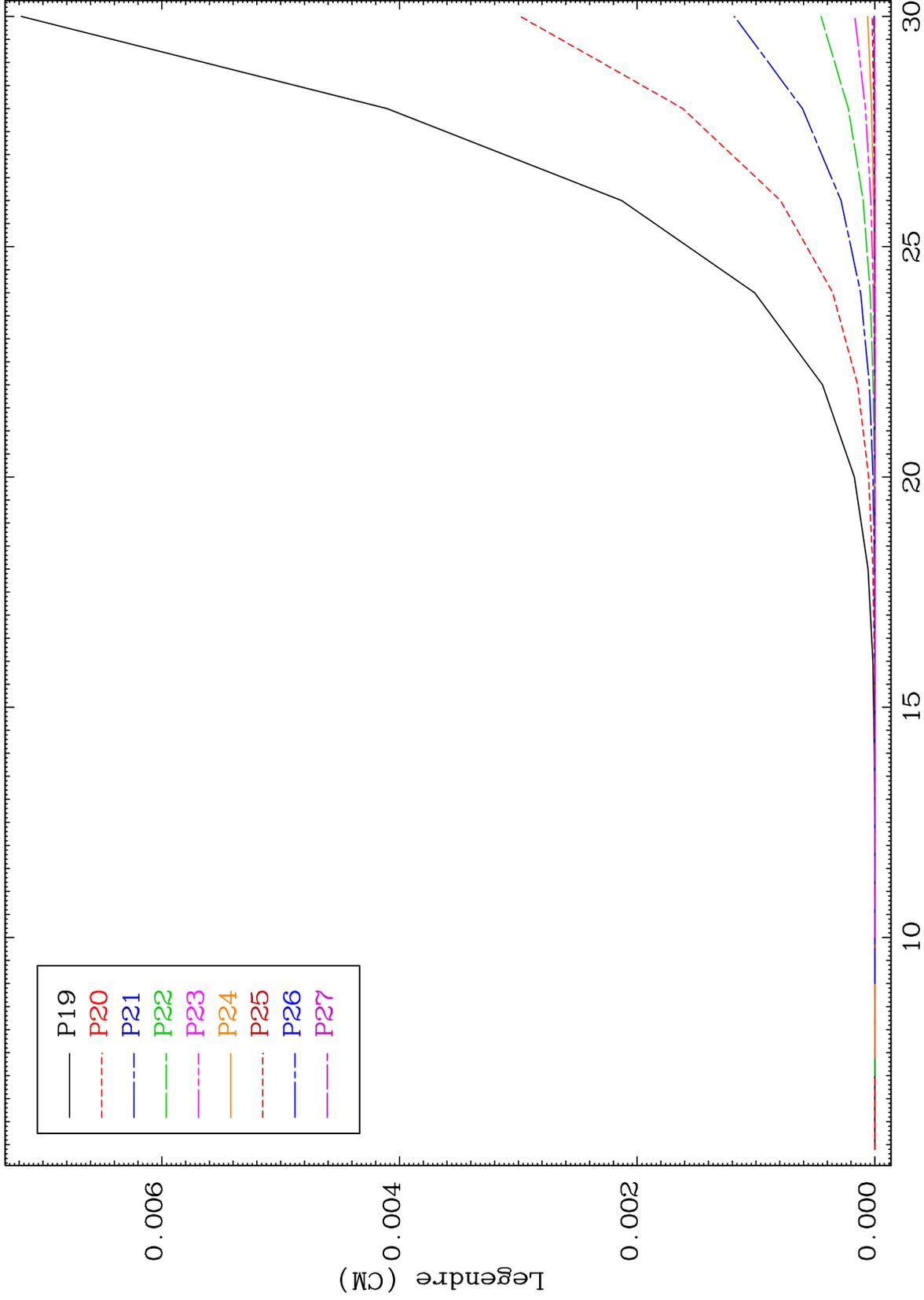
Elastic Legendre Coefficients



MAT 5307

Elastic Legendre Coefficients

53-I -121



18

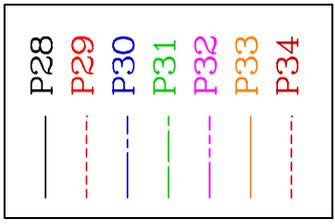
Incident Energy (MeV)

53-I -121

MAT 5307

Elastic Legendre Coefficients

53-I -121



$\times 10^{-7}$

Legendre (CM)

4

3

2

1

0

10

15

20

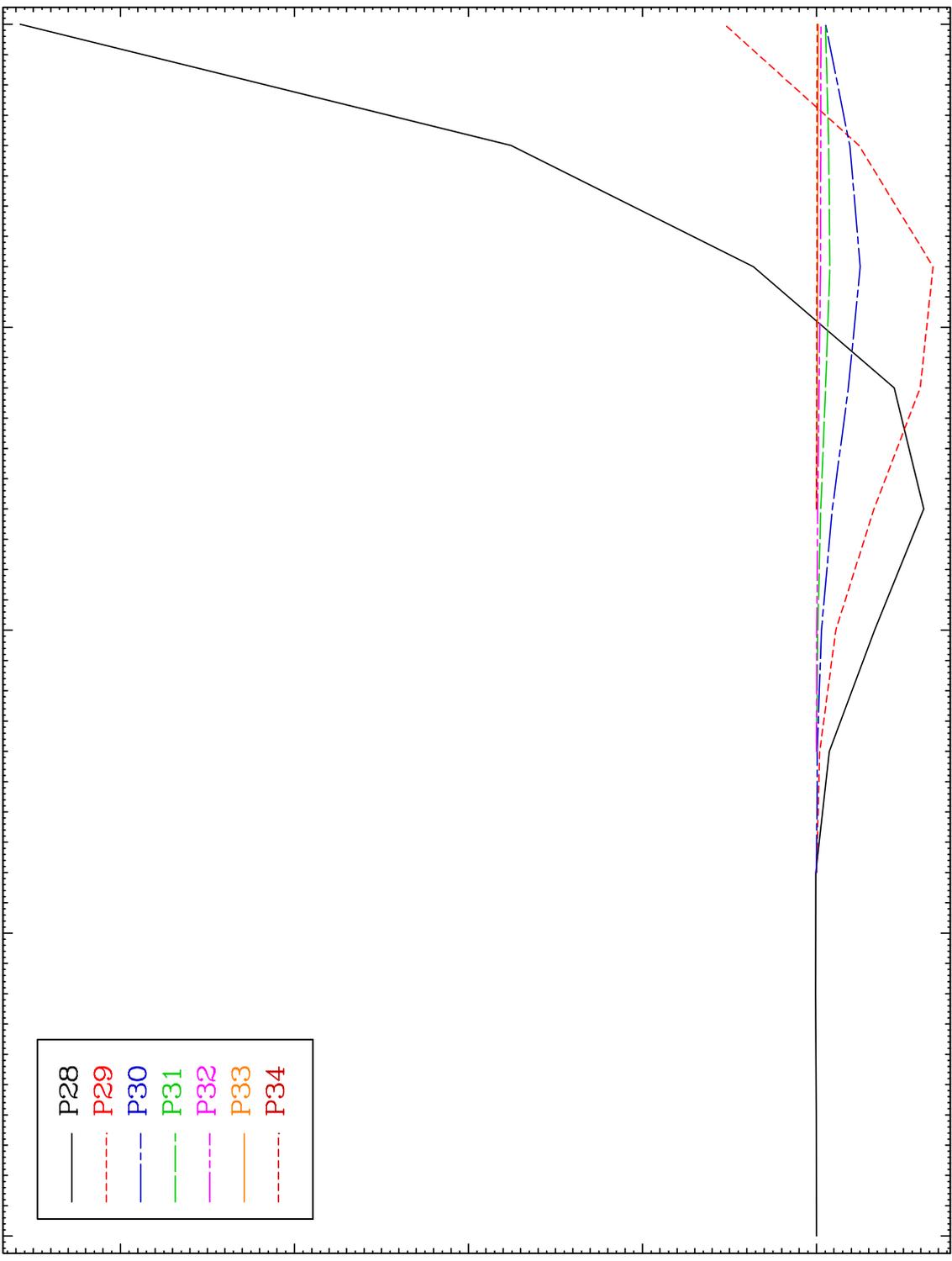
25

30

19

Incident Energy (MeV)

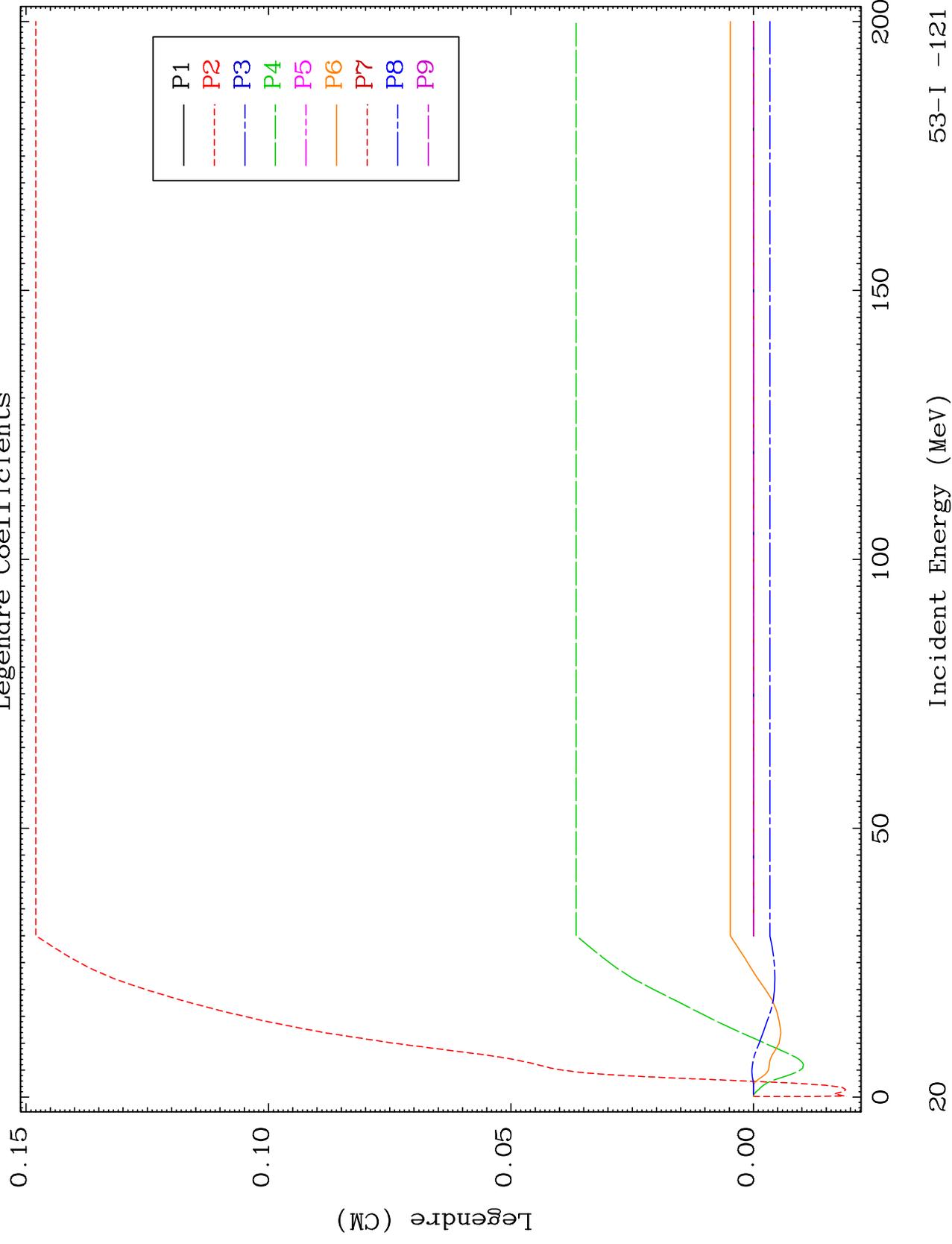
53-I -121



MAT 5307

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

53-I -121



53-I -121

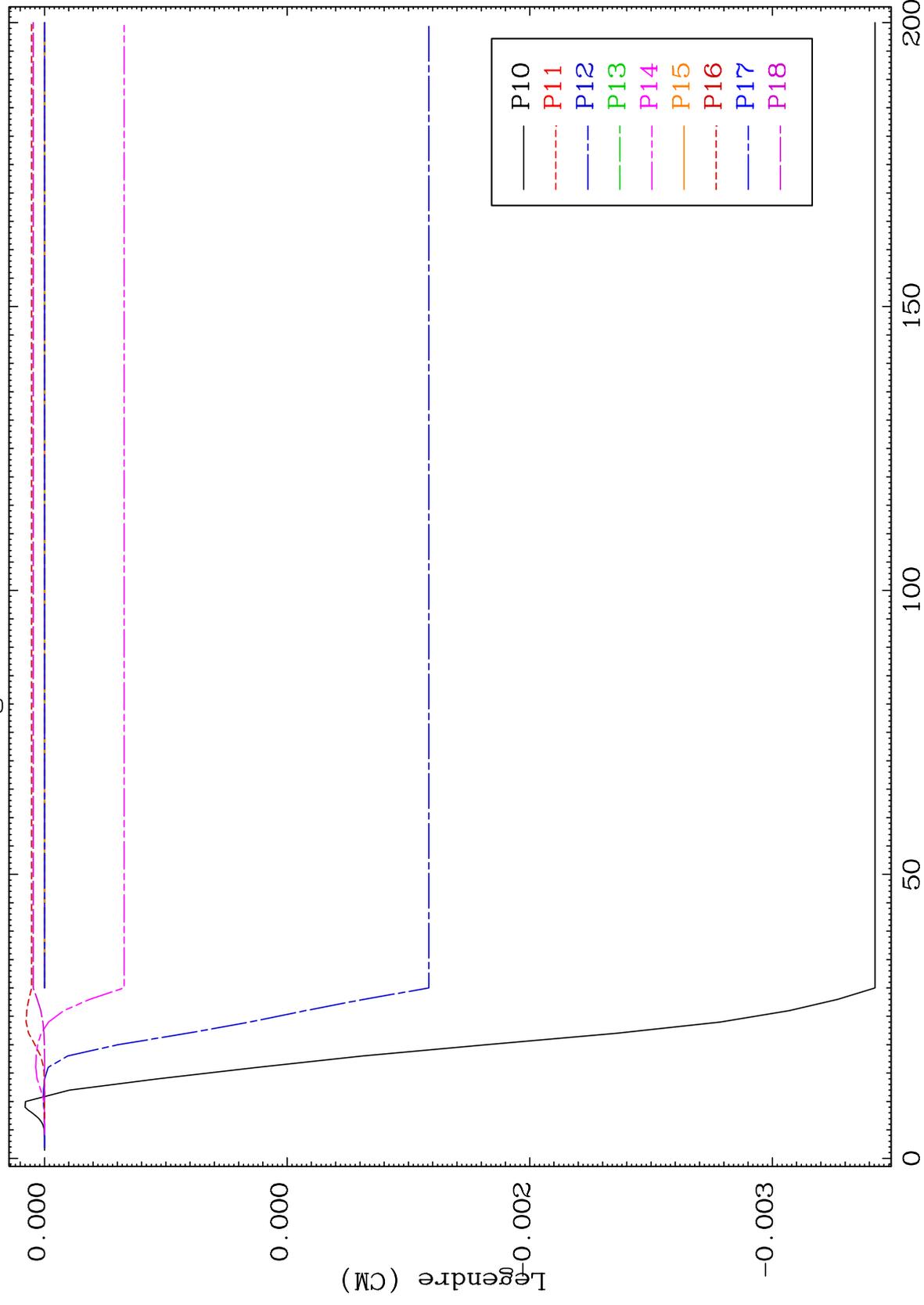
Incident Energy (MeV)

0

MAT 5307

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

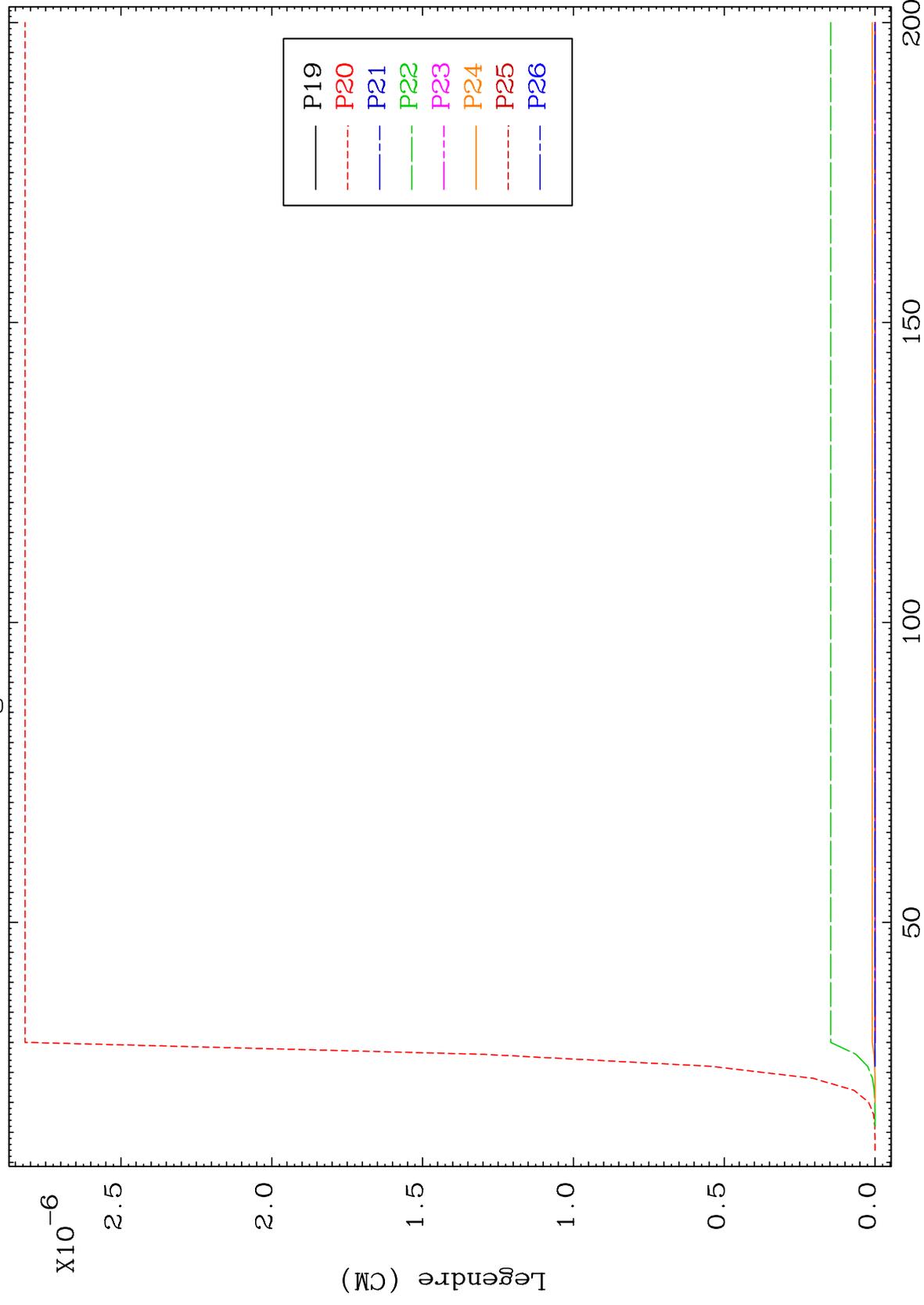
53-I -121



21

Incident Energy (MeV)

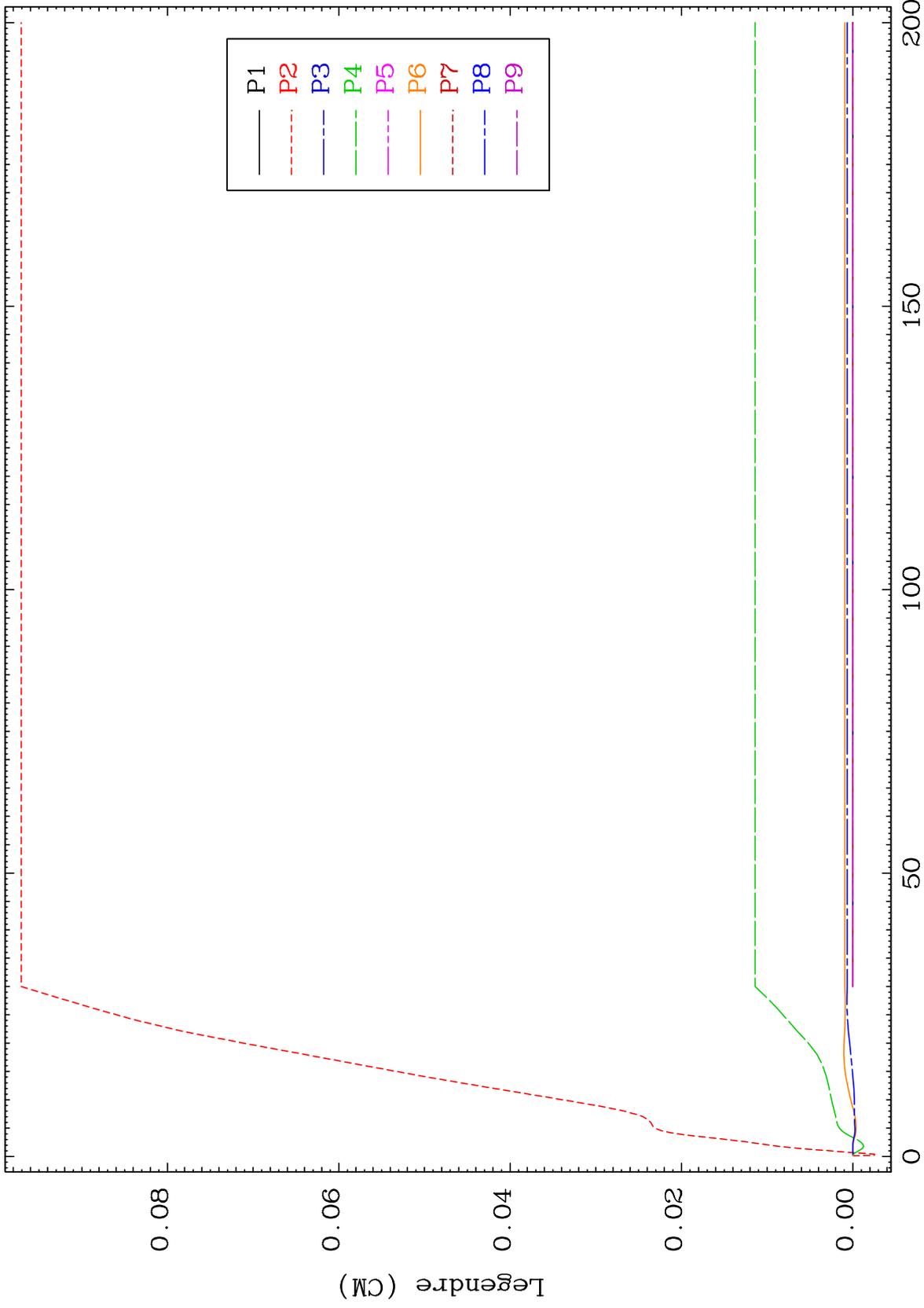
53-I -121



MAT 5307

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

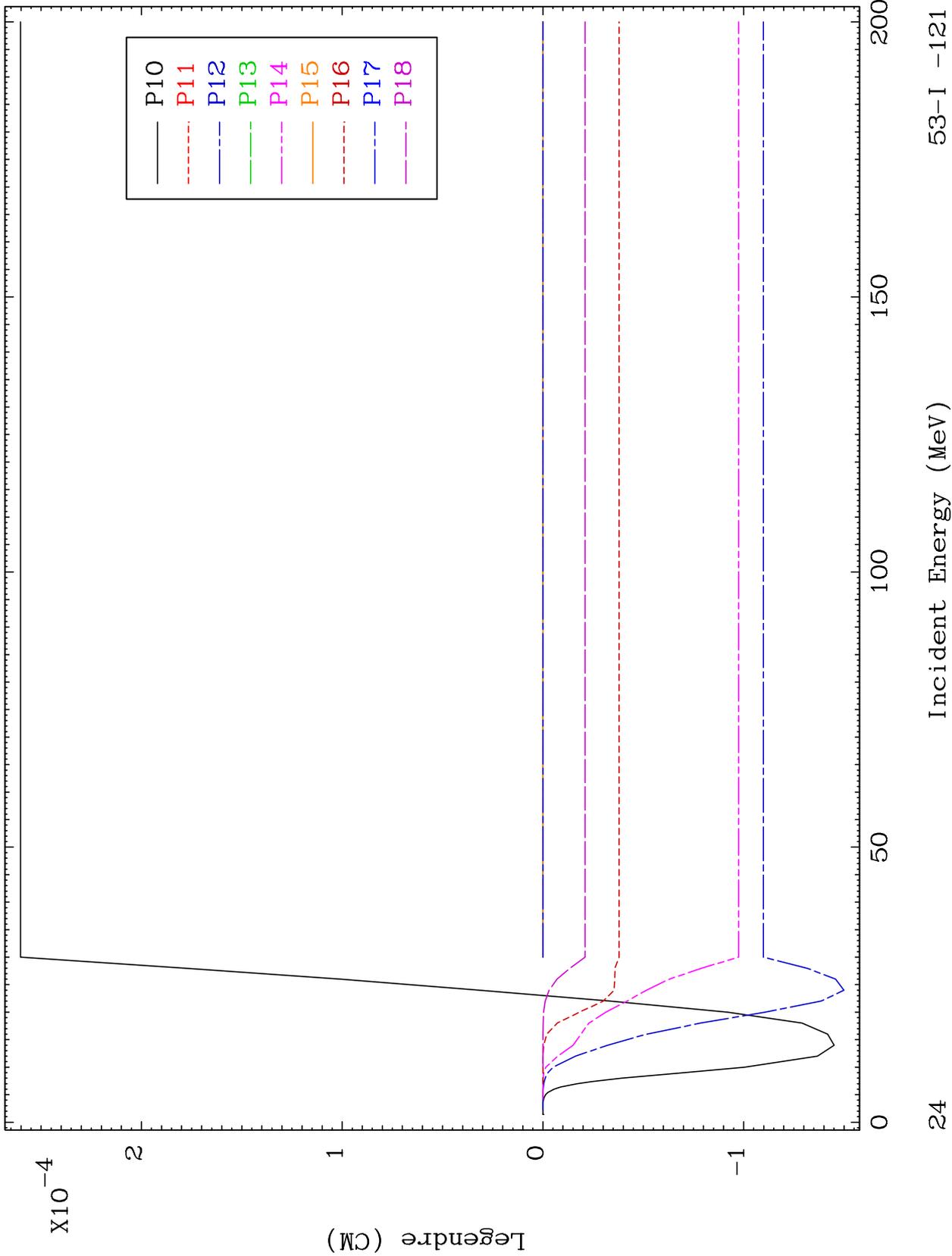
53-I -121



23

Incident Energy (MeV)

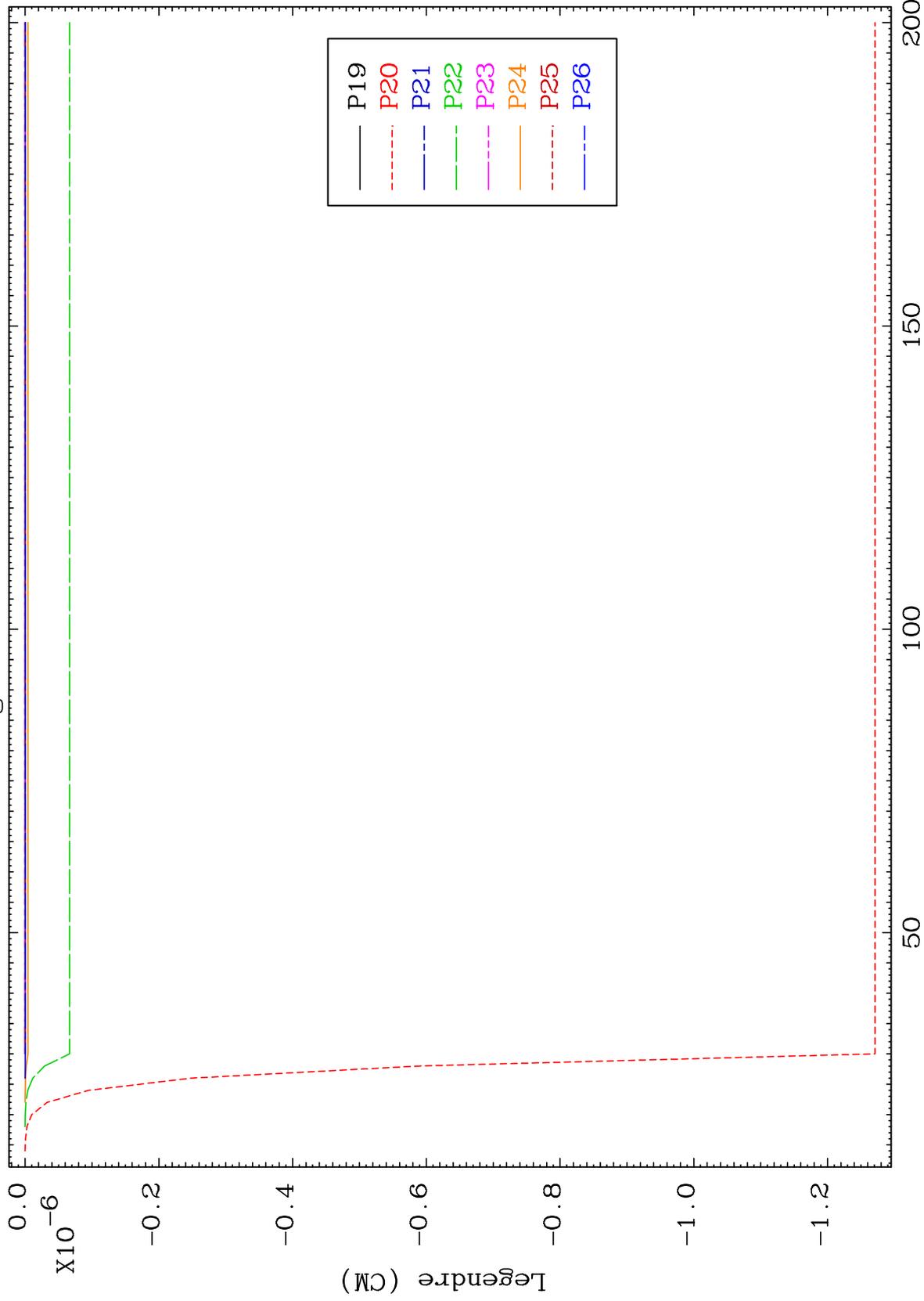
53-I -121



MAT 5307

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

53-I -121



25

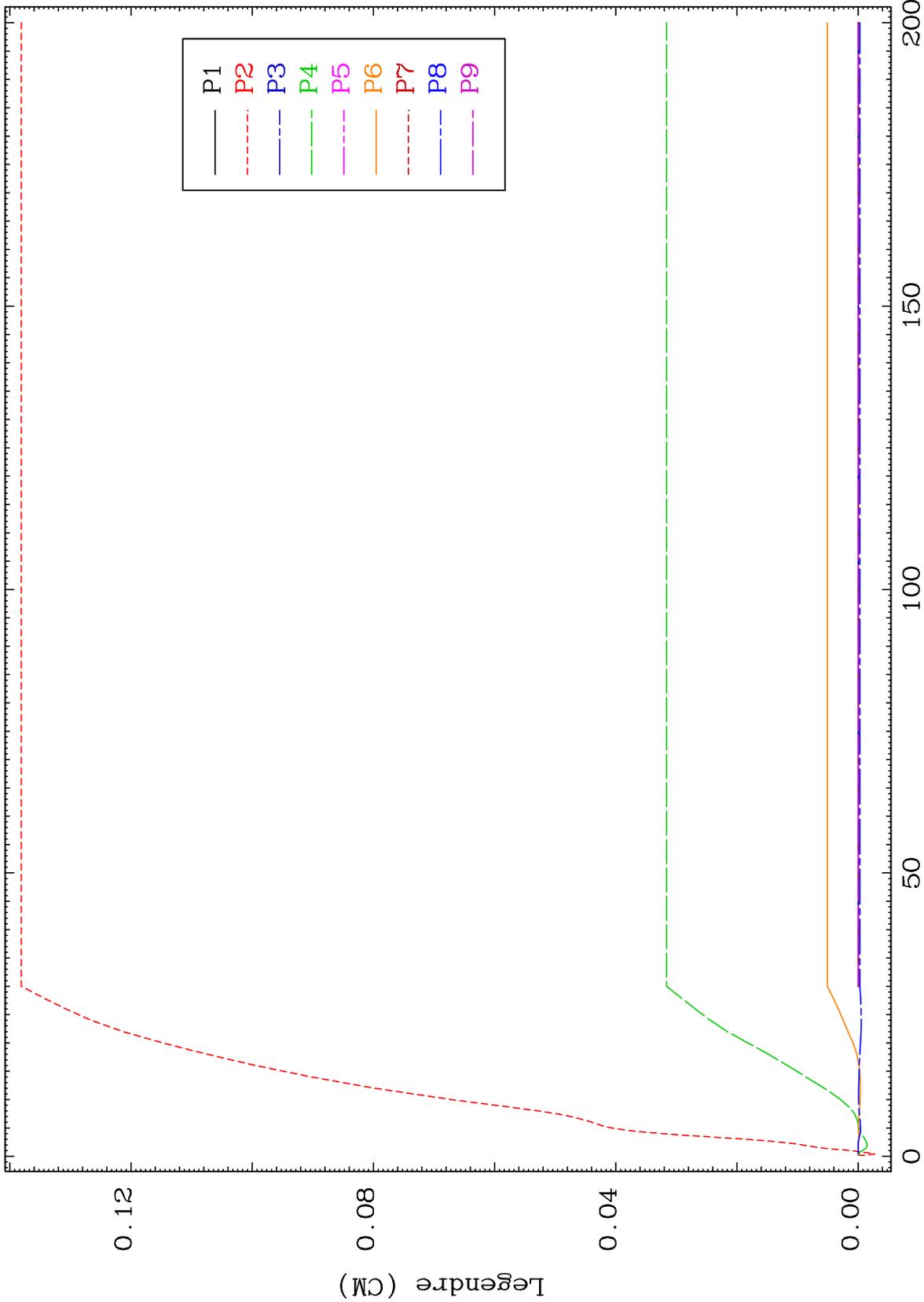
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



26

Incident Energy (MeV)

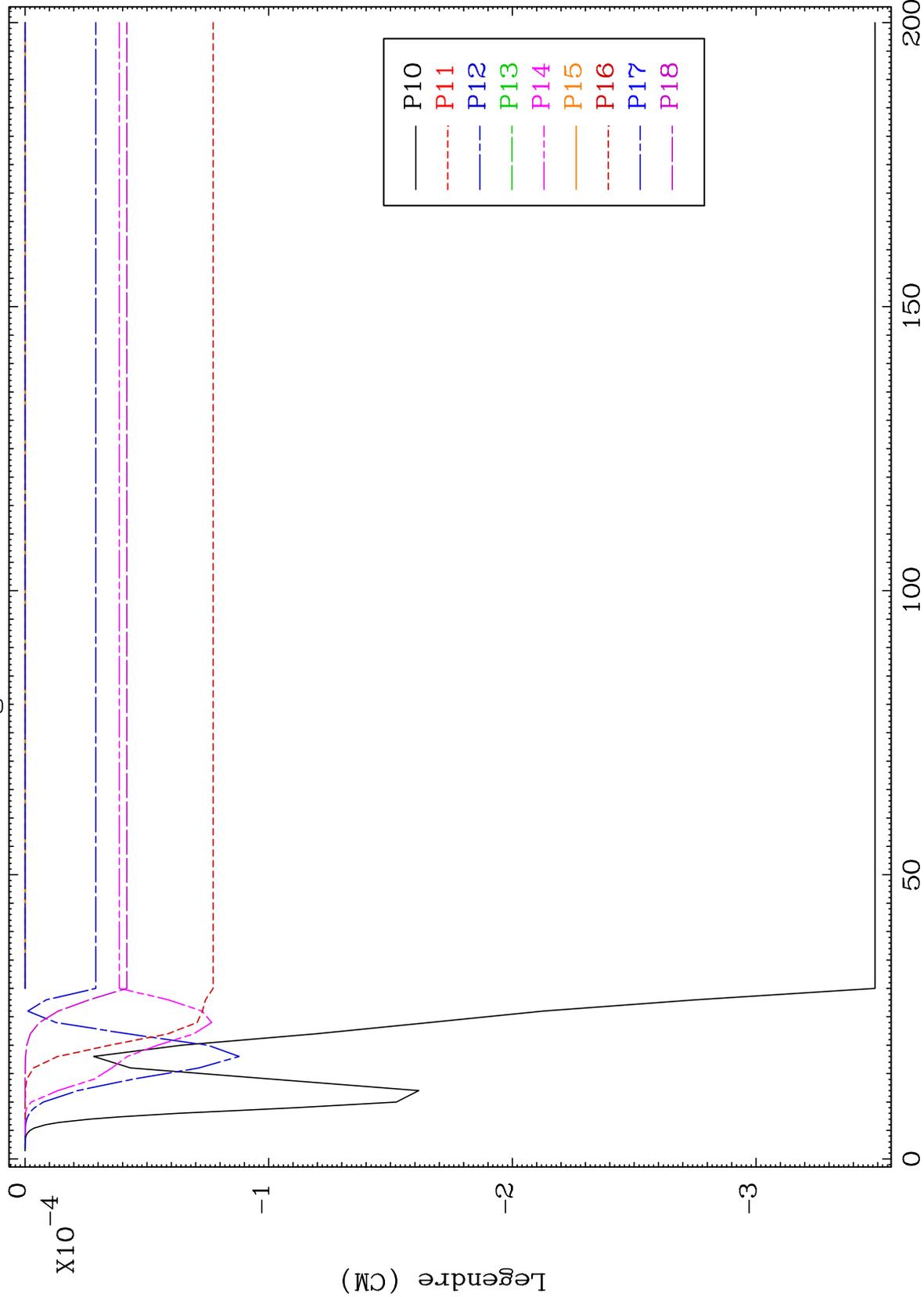
53-I -121

MAT 5307

MT= 53 (n,n') Level

53-I -121

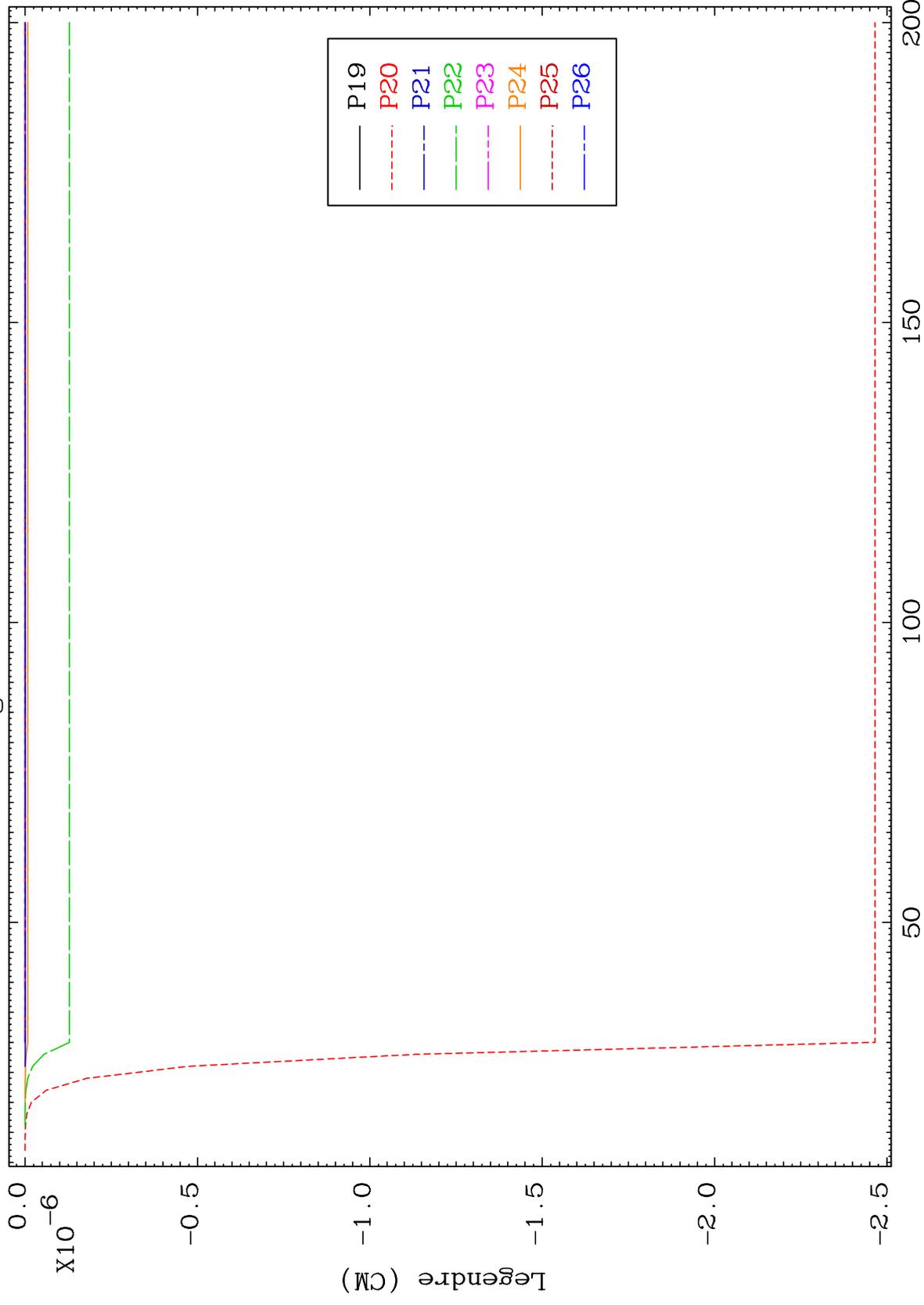
Legendre Coefficients



27

Incident Energy (MeV)

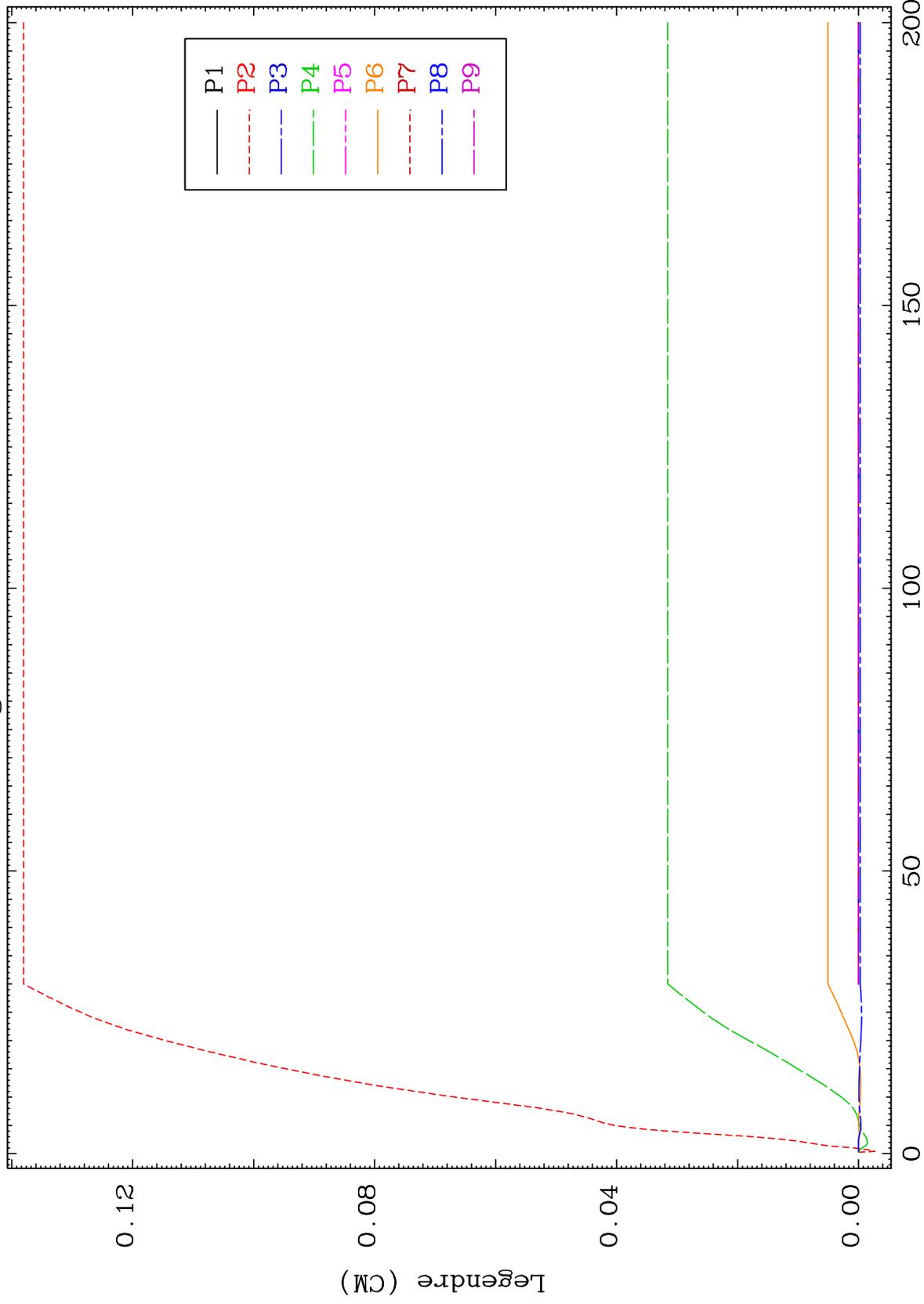
53-I -121



MAT 5307

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

53-I -121



29

Incident Energy (MeV)

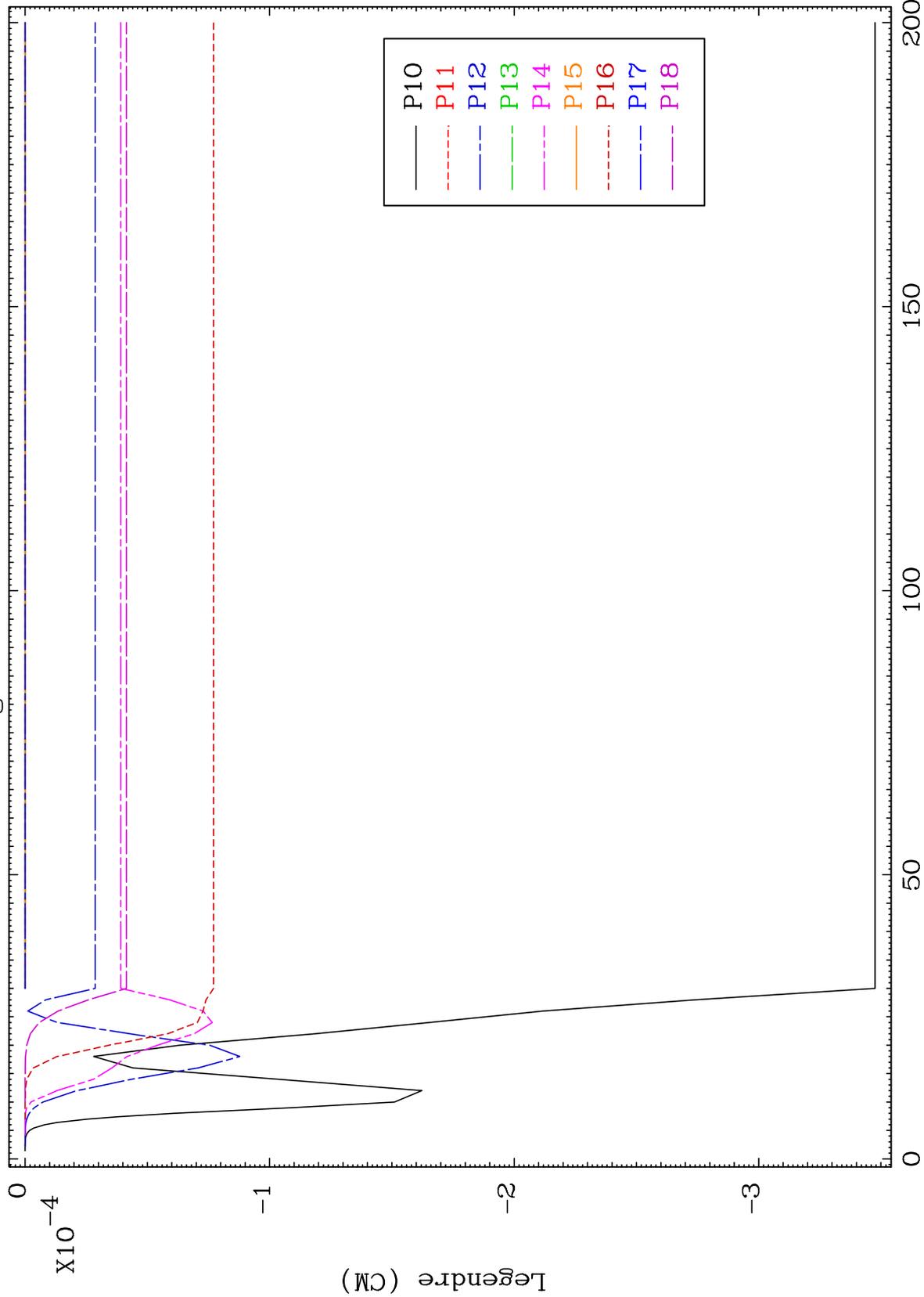
53-I -121

MAT 5307

MT= 54 (n,n') Level

53-I -121

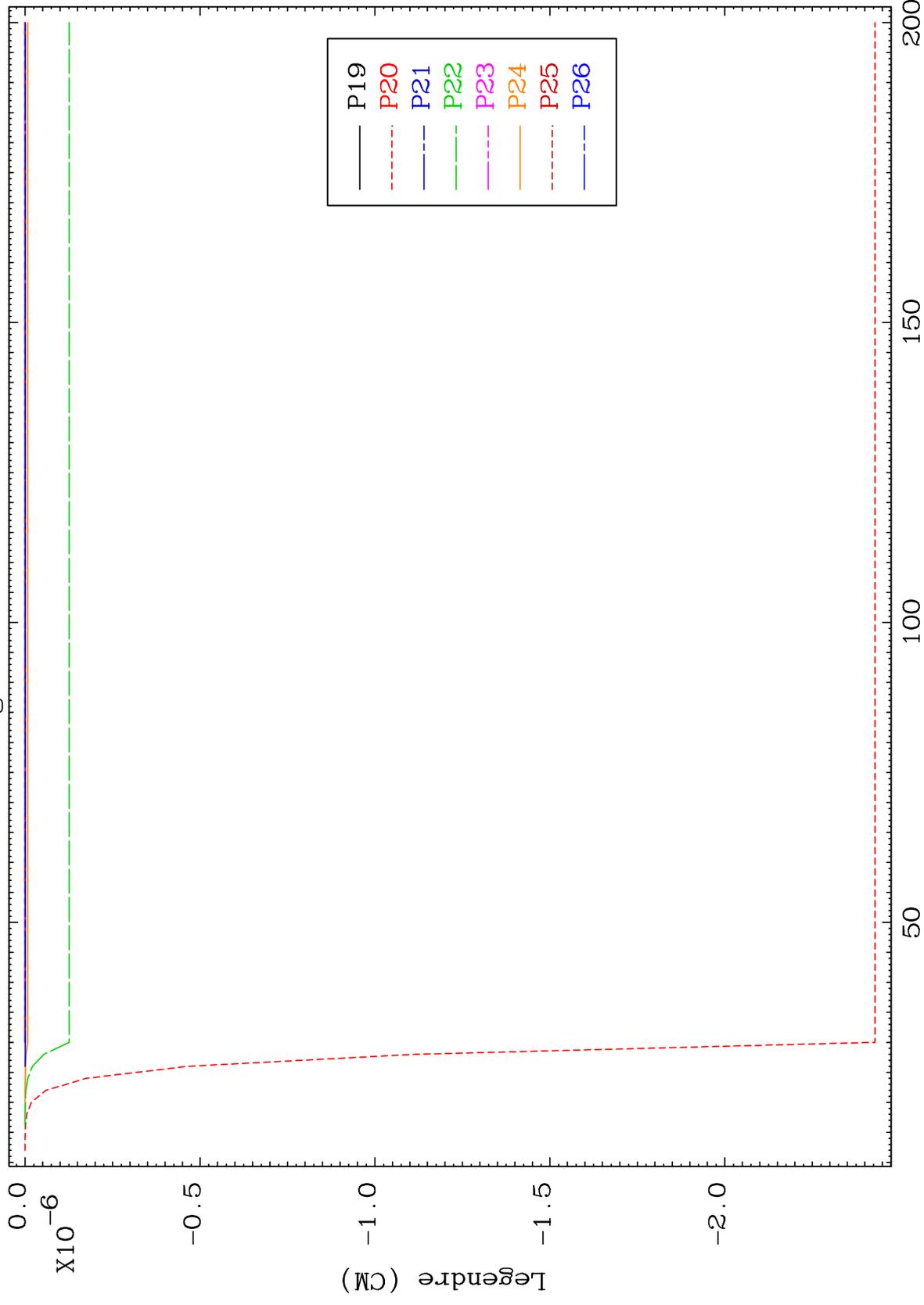
Legendre Coefficients



30

Incident Energy (MeV)

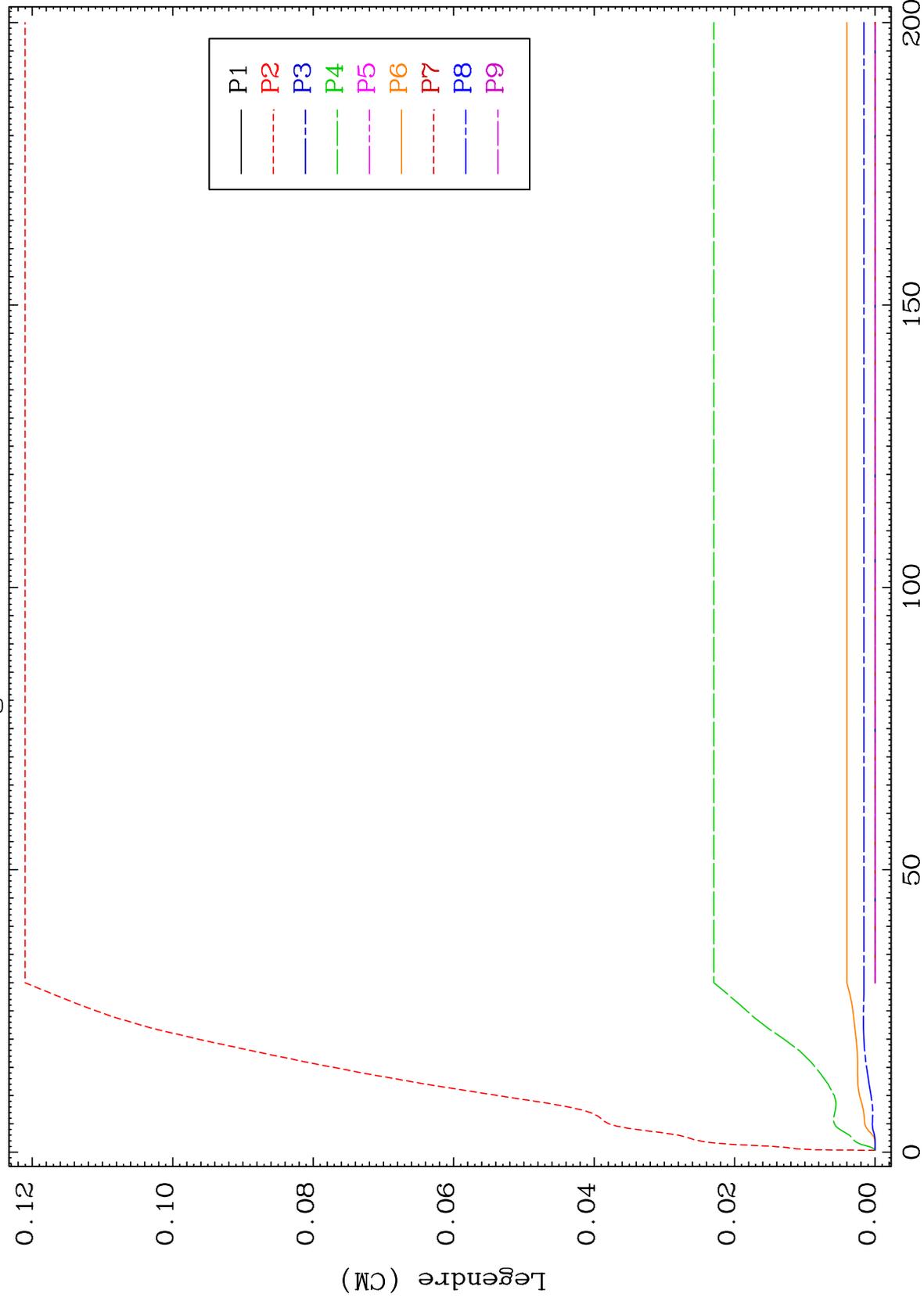
53-I -121



MAT 5307

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

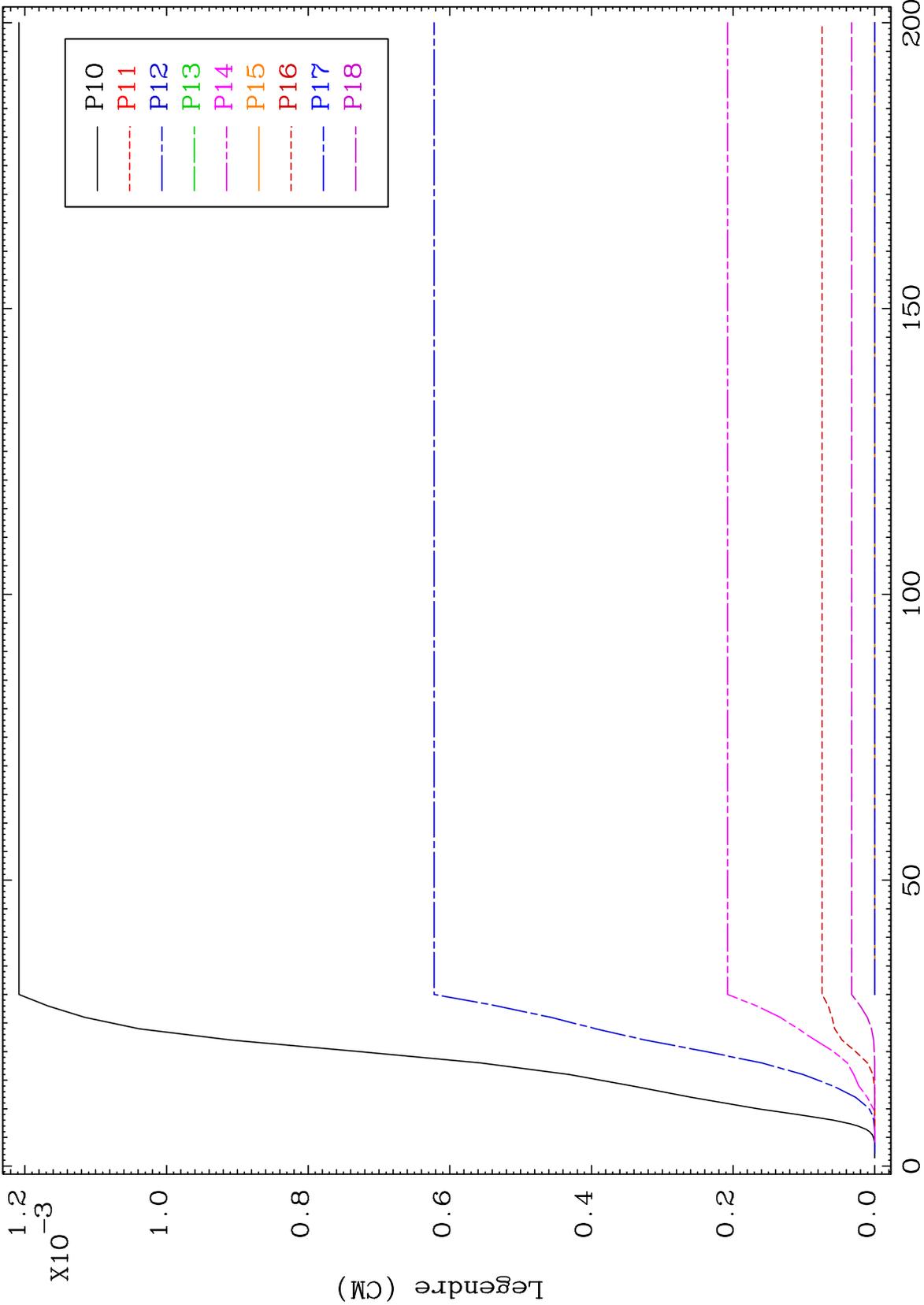
53-I -121



53-I -121

Incident Energy (MeV)

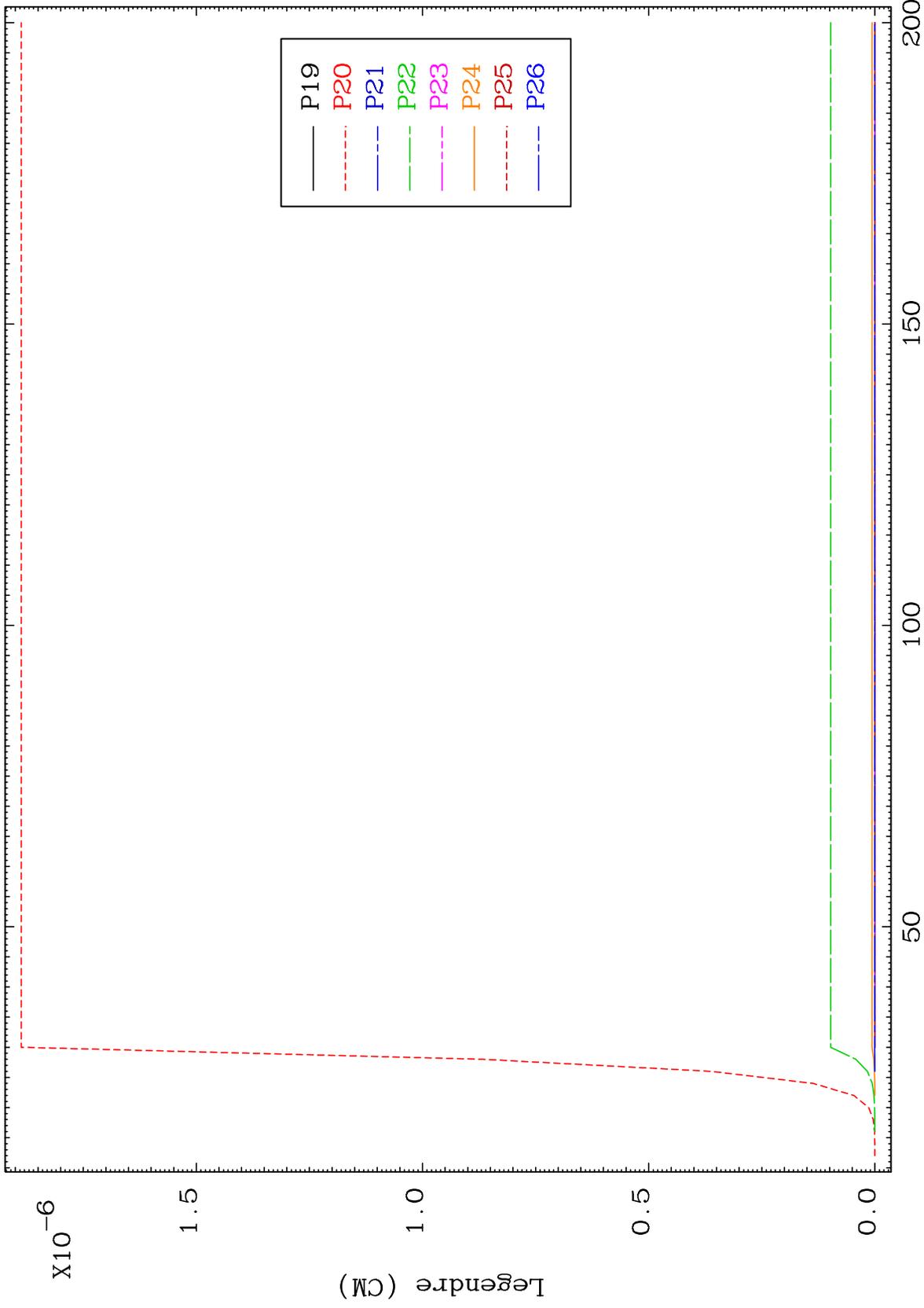
32



MAT 5307

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

53-I -121



34

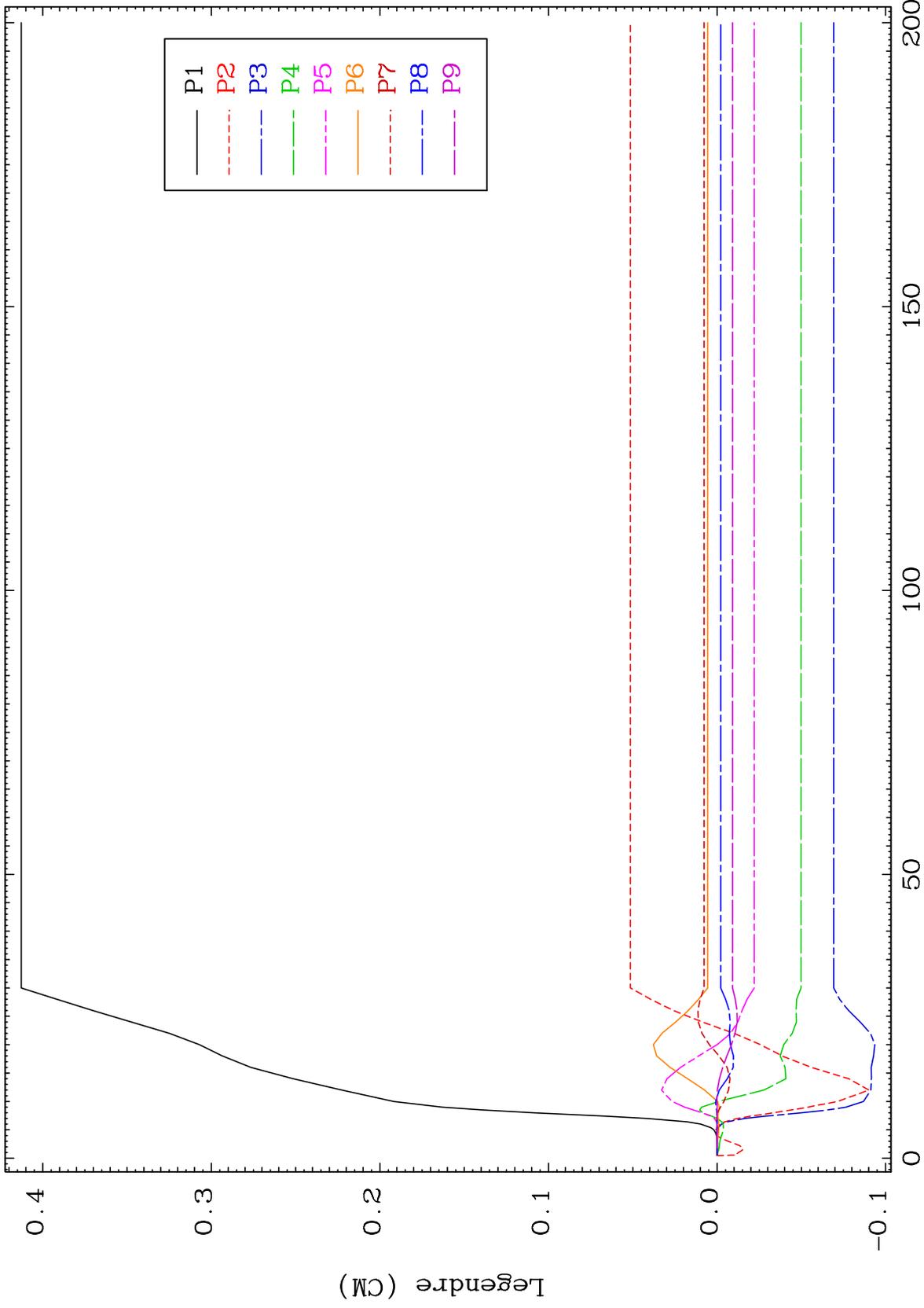
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



53-I -121

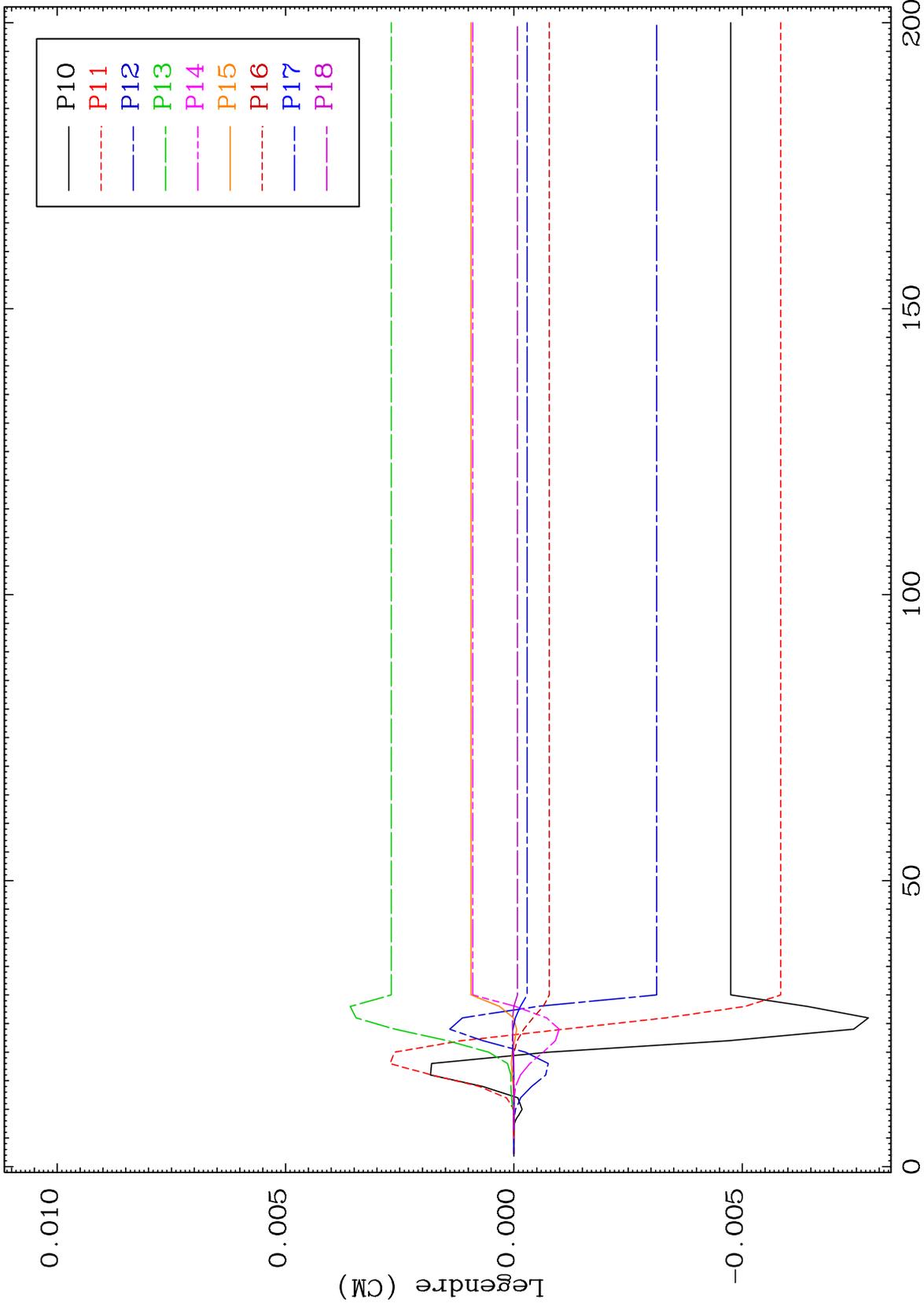
Incident Energy (MeV)

35

MAT 5307

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

53-I -121



36

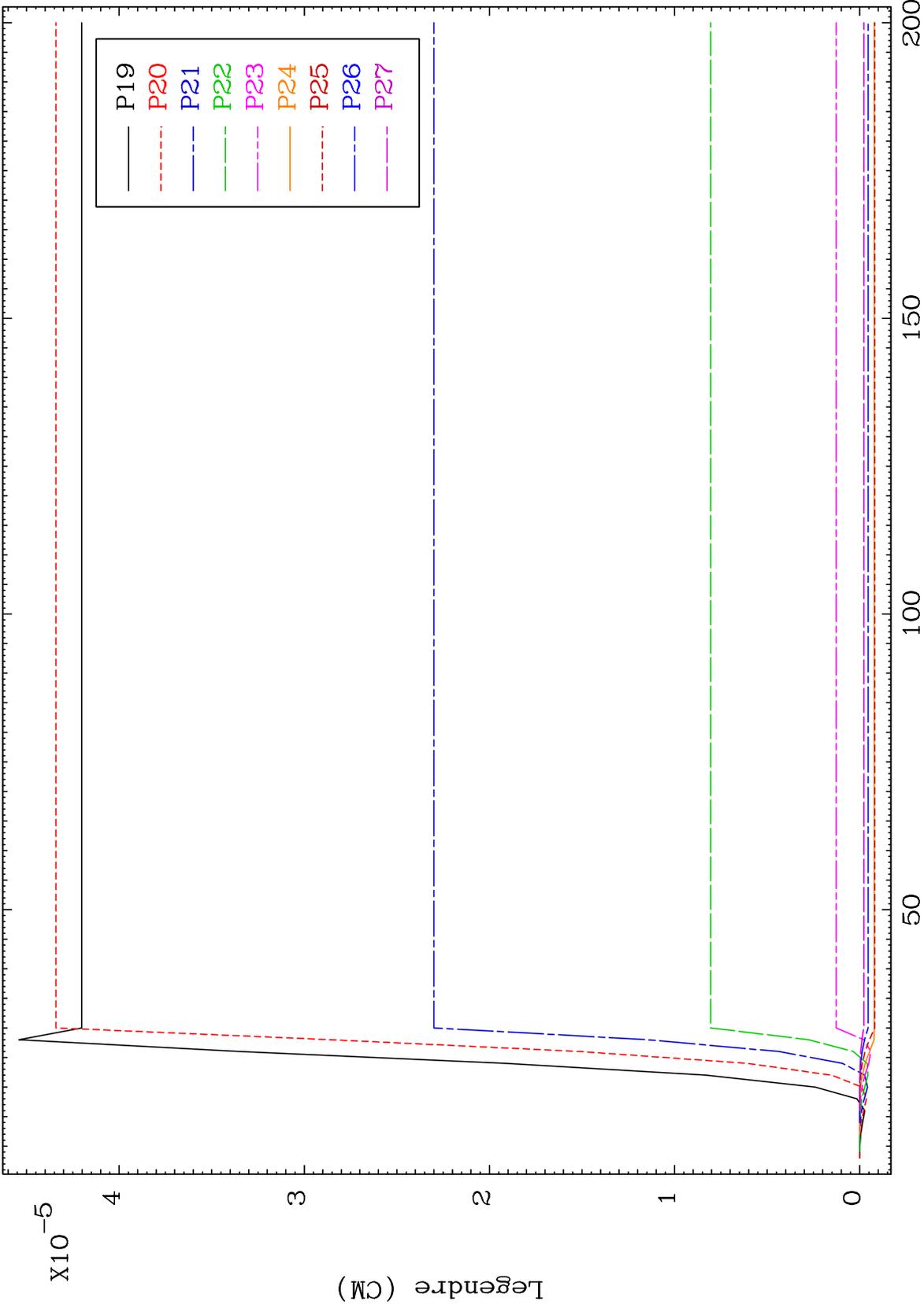
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



37

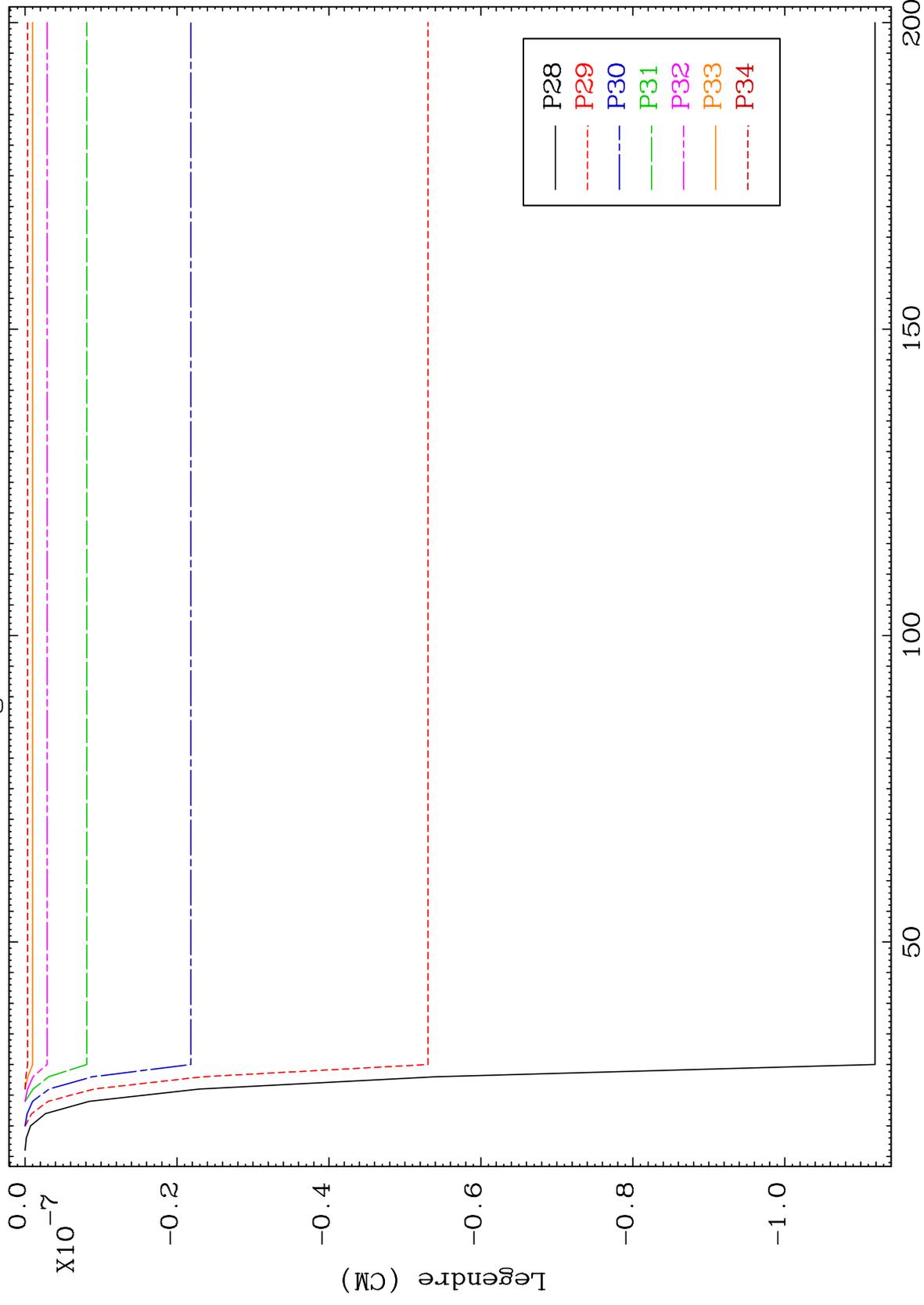
Incident Energy (MeV)

53-I -121

MAT 5307

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

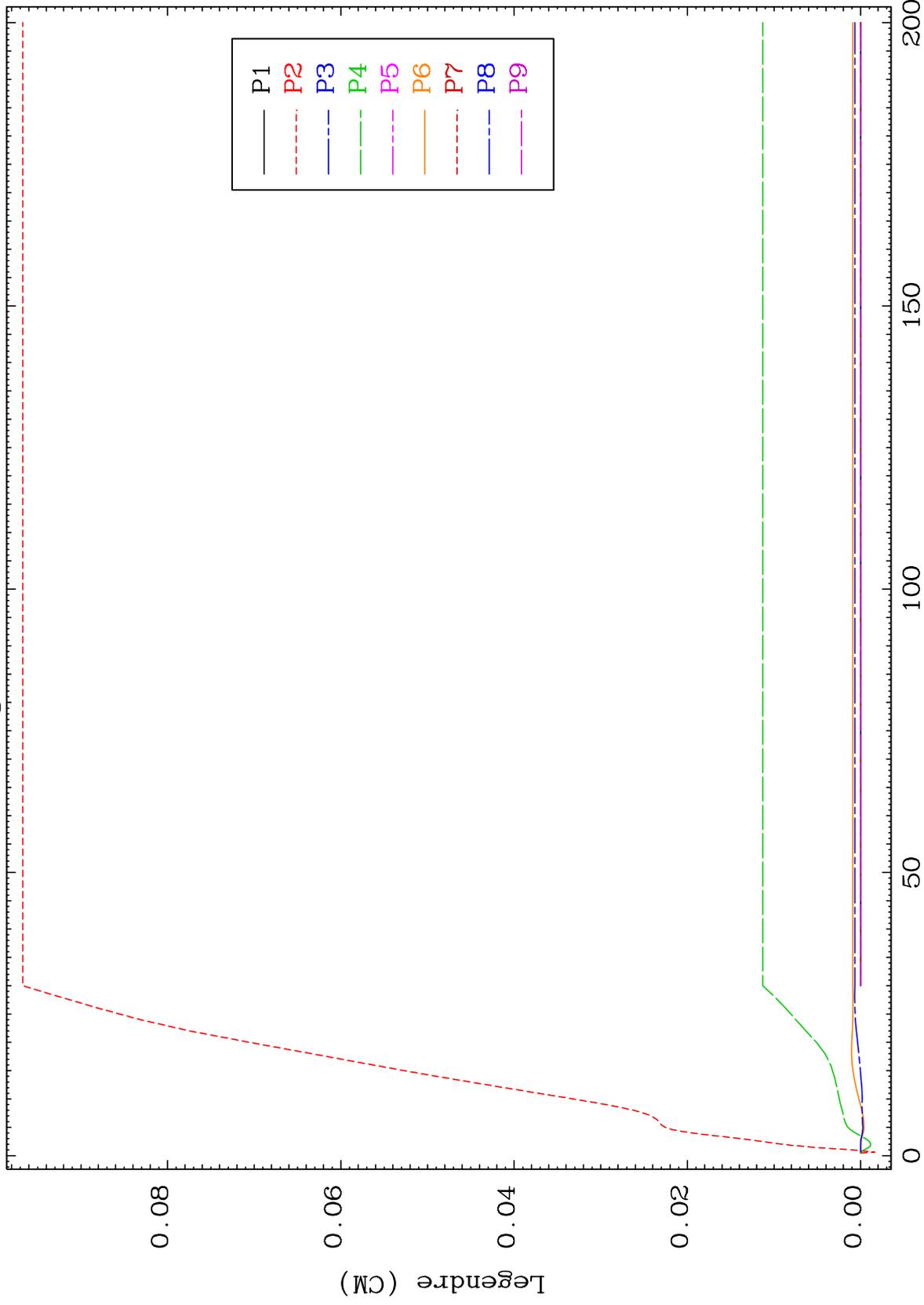
53-I -121



MAT 5307

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

53-I -121



39

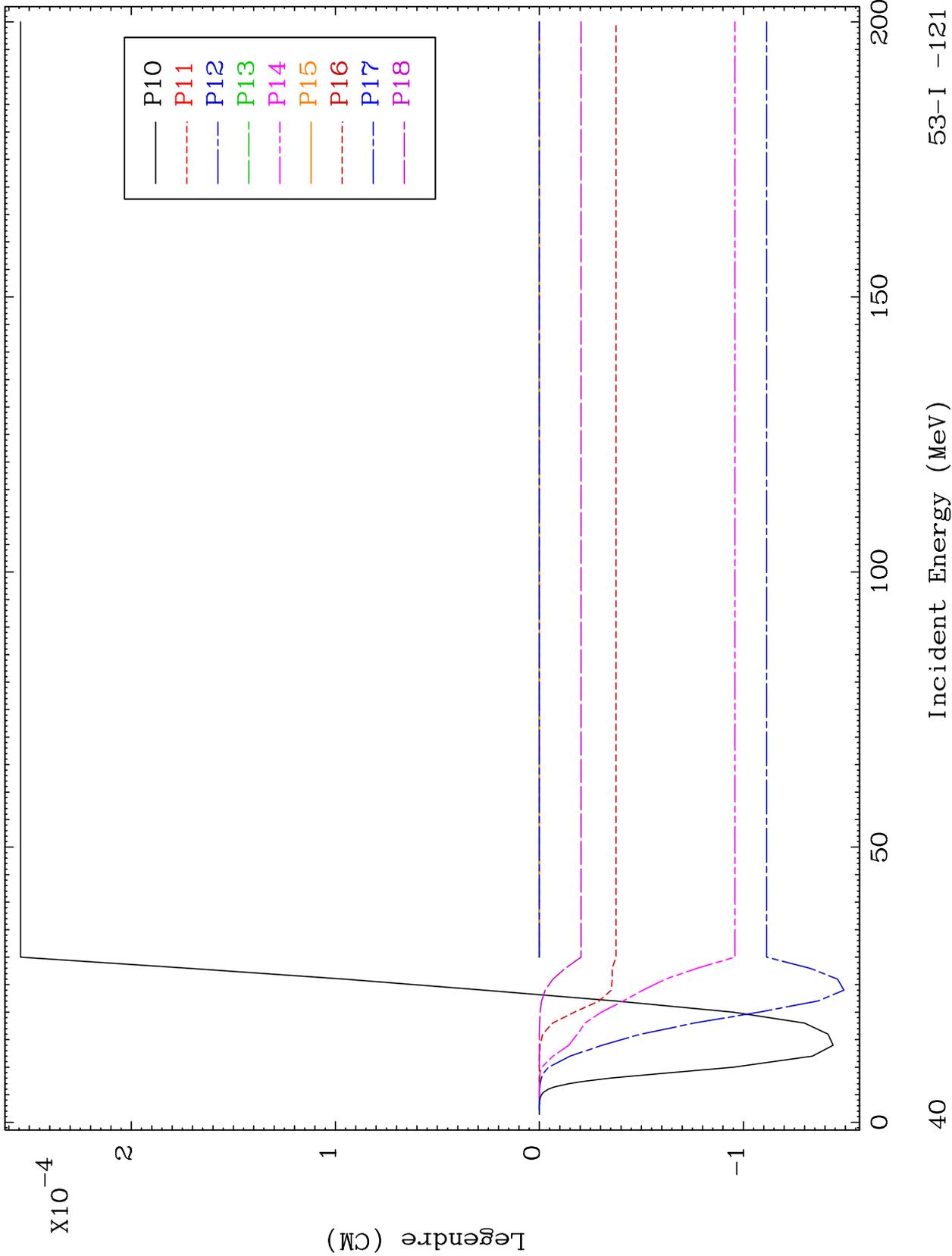
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



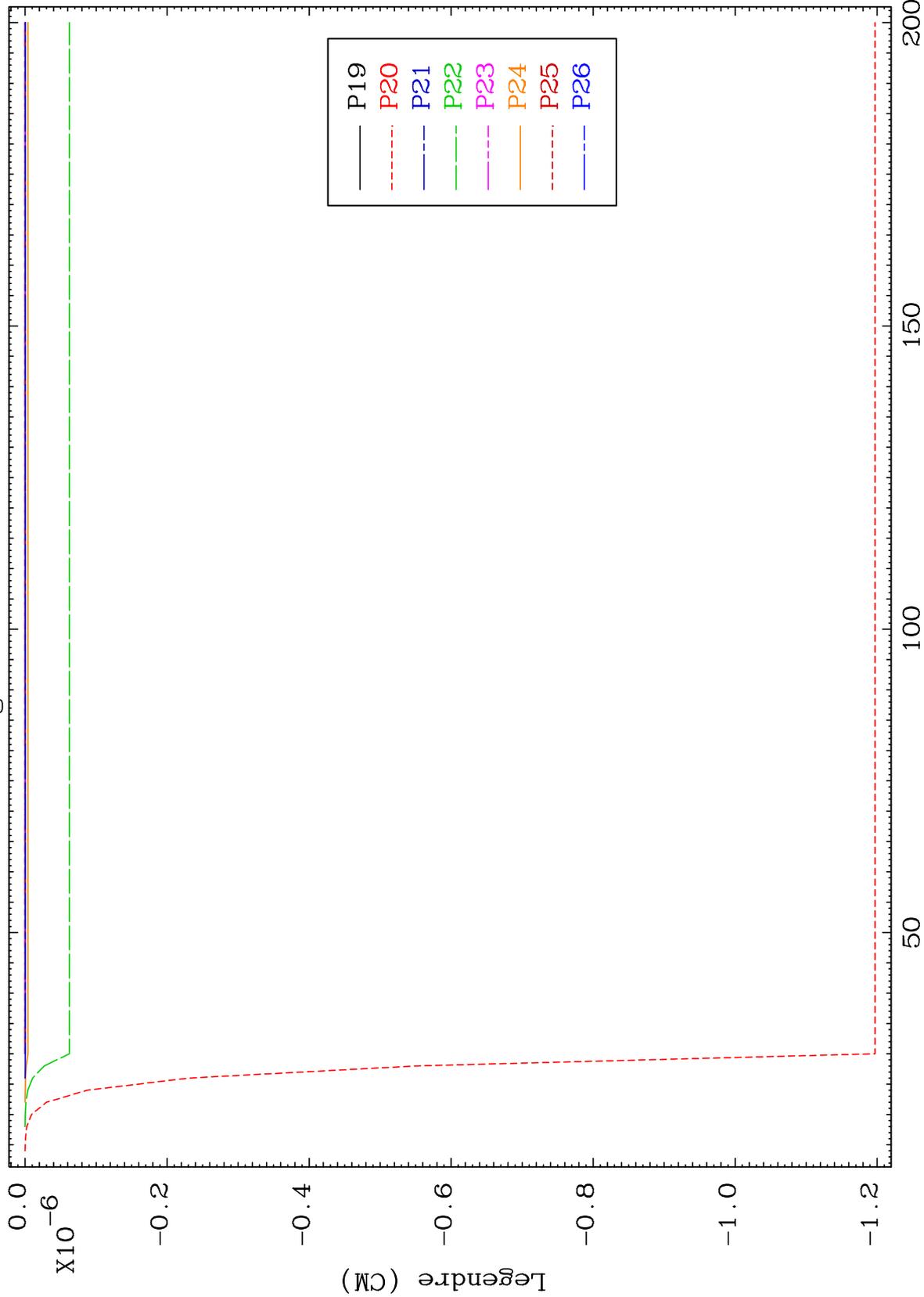
53-I -121

Incident Energy (MeV)

MAT 5307

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

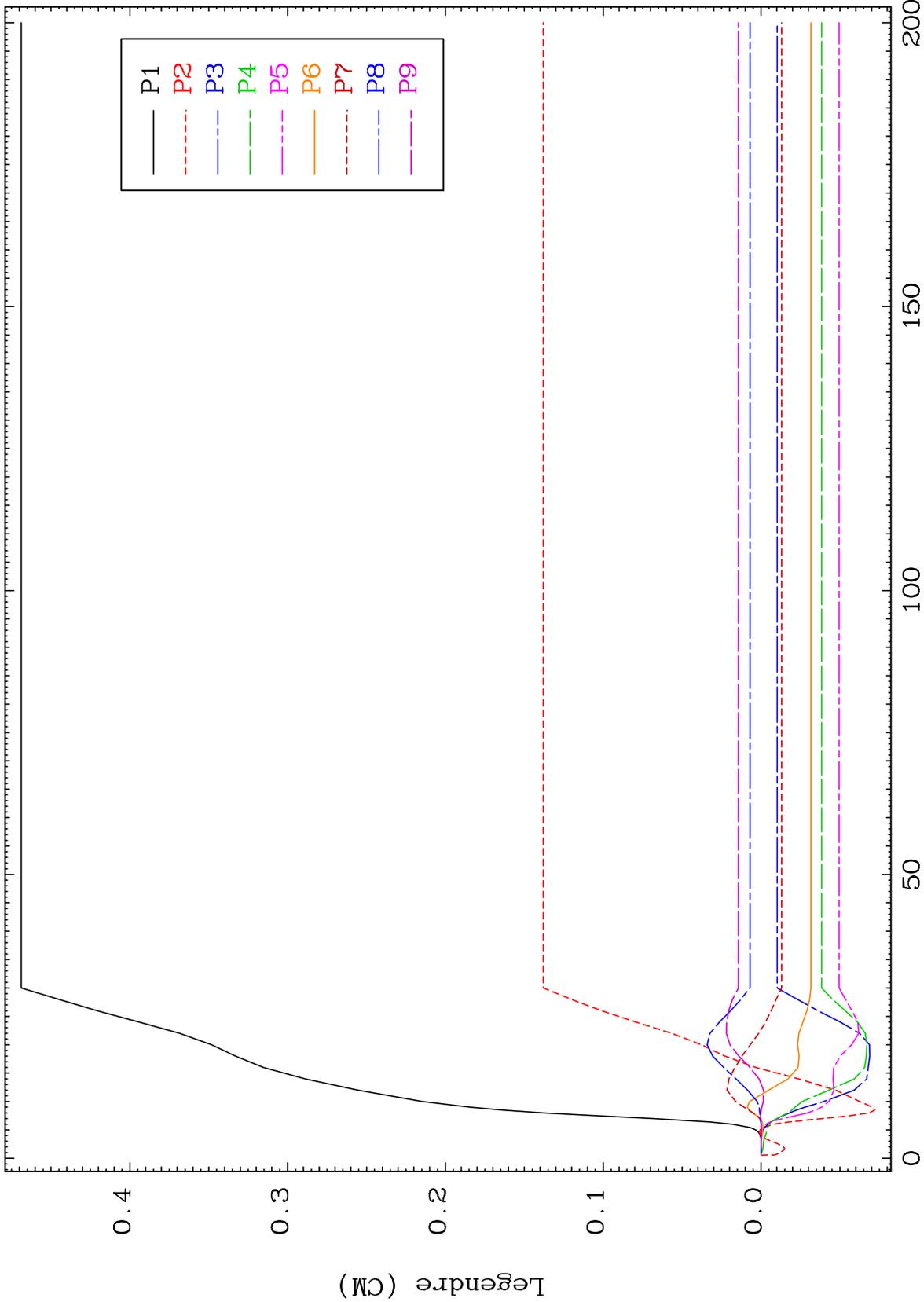
53-I -121



41

Incident Energy (MeV)

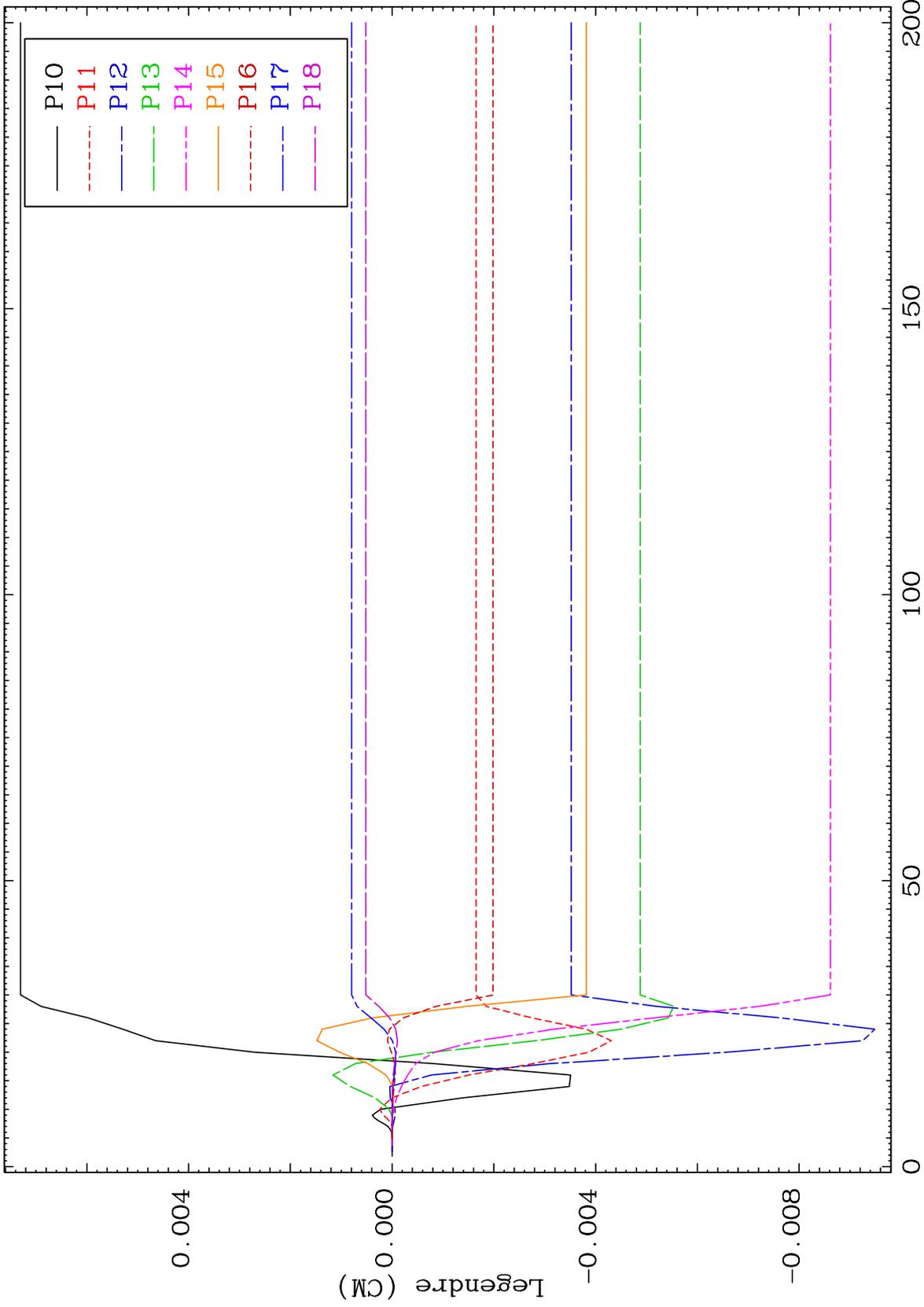
53-I -121



MAT 5307

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

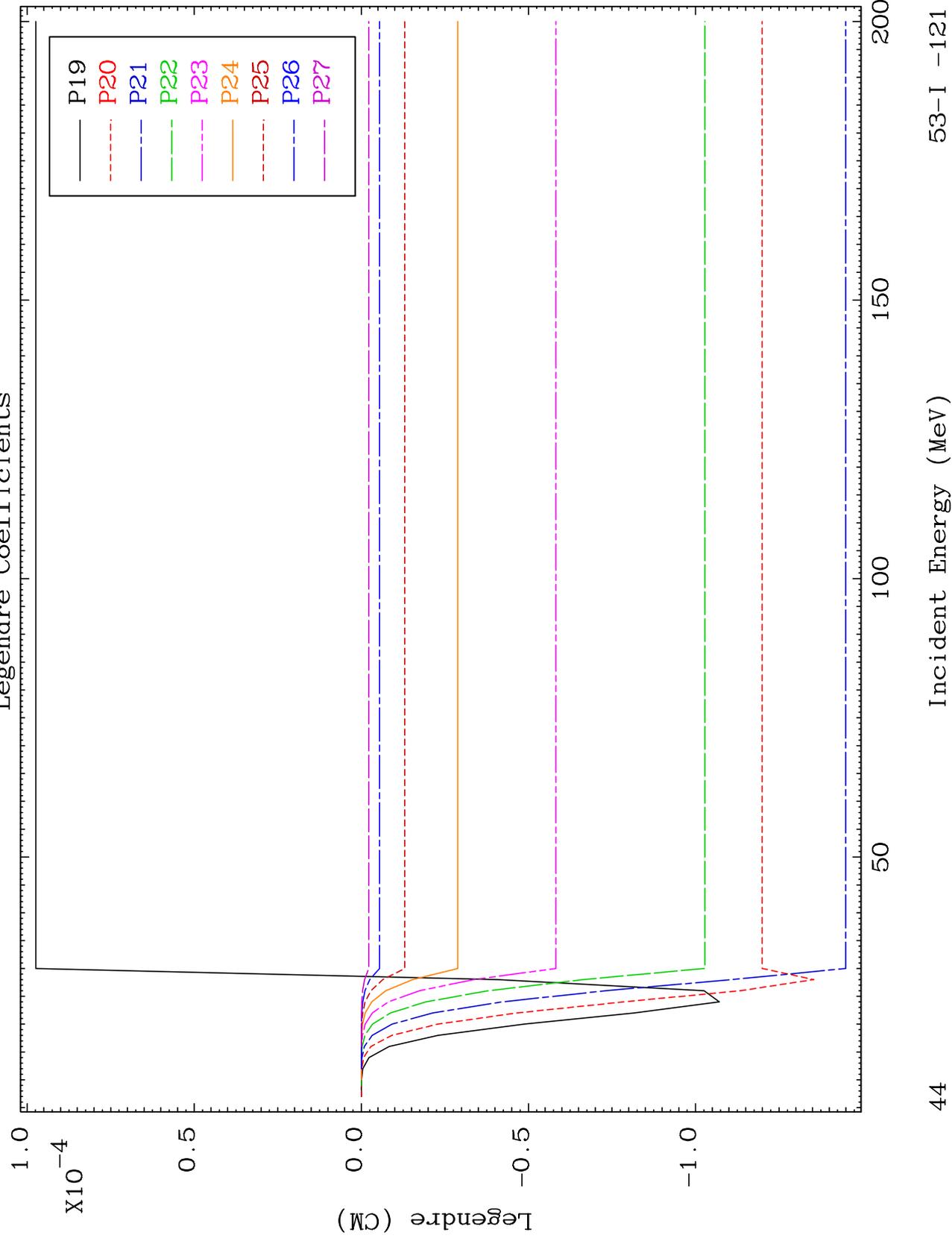
53-I -121



43

Incident Energy (MeV)

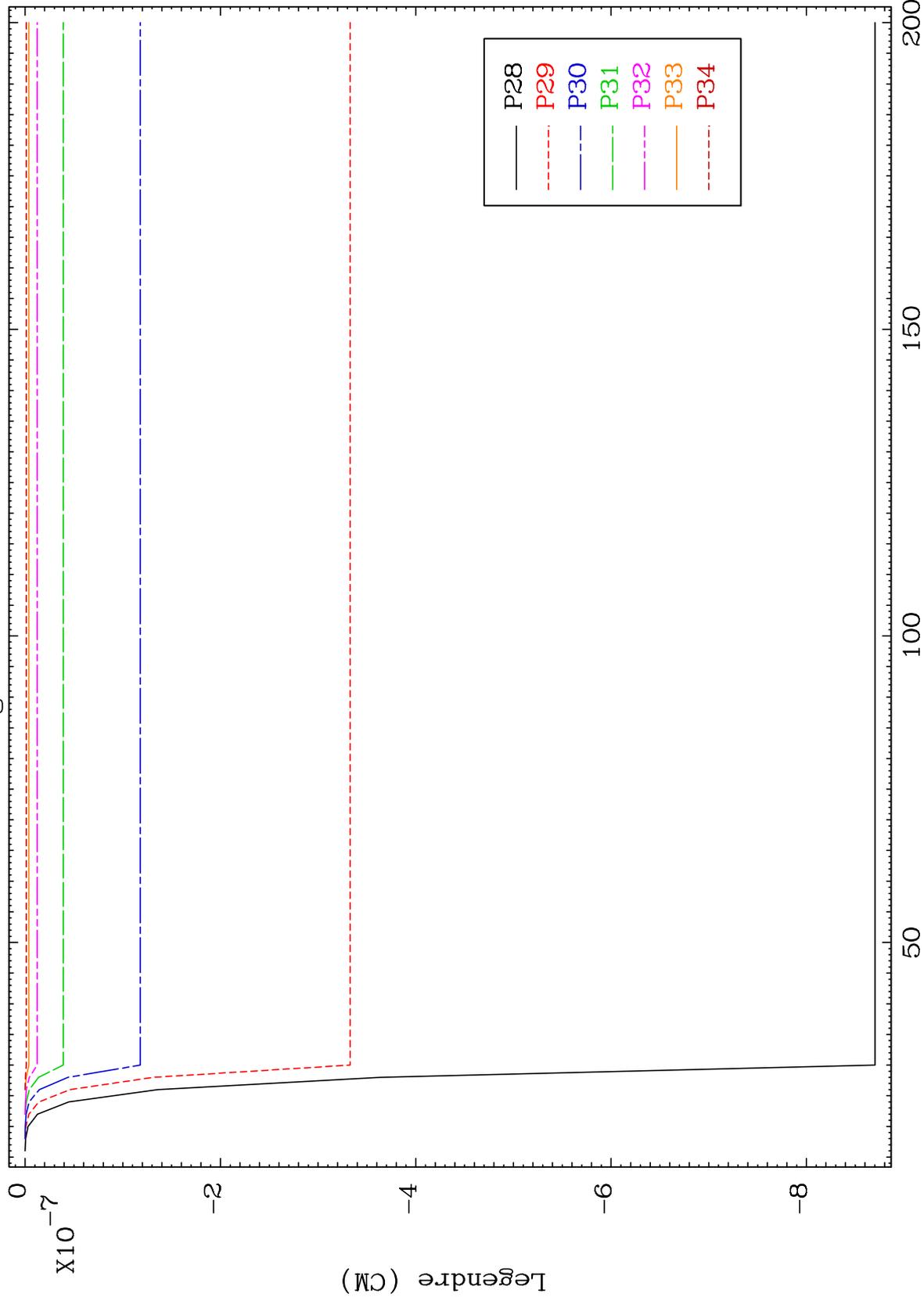
53-I -121



MAT 5307

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

53-I -121



45

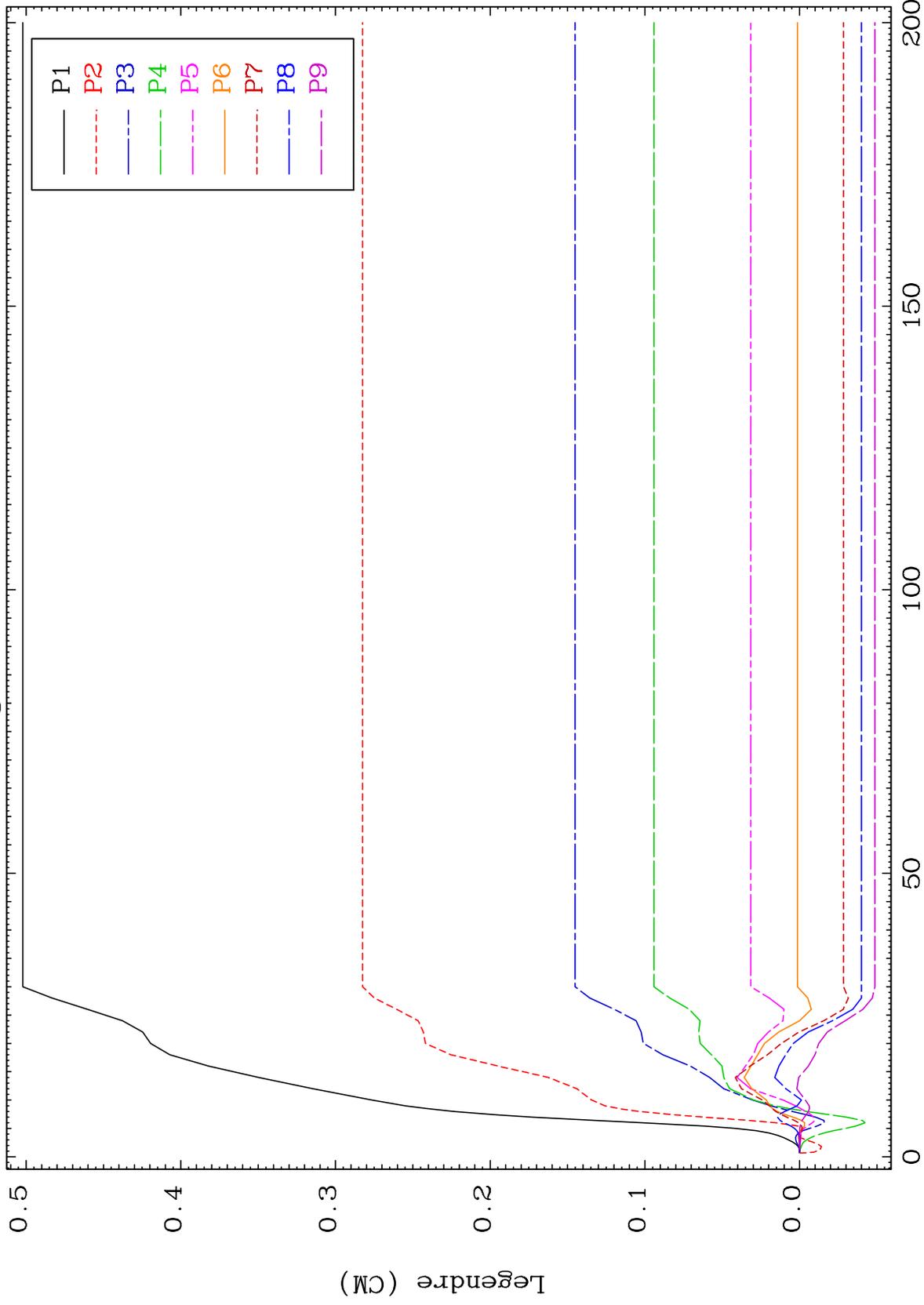
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



46

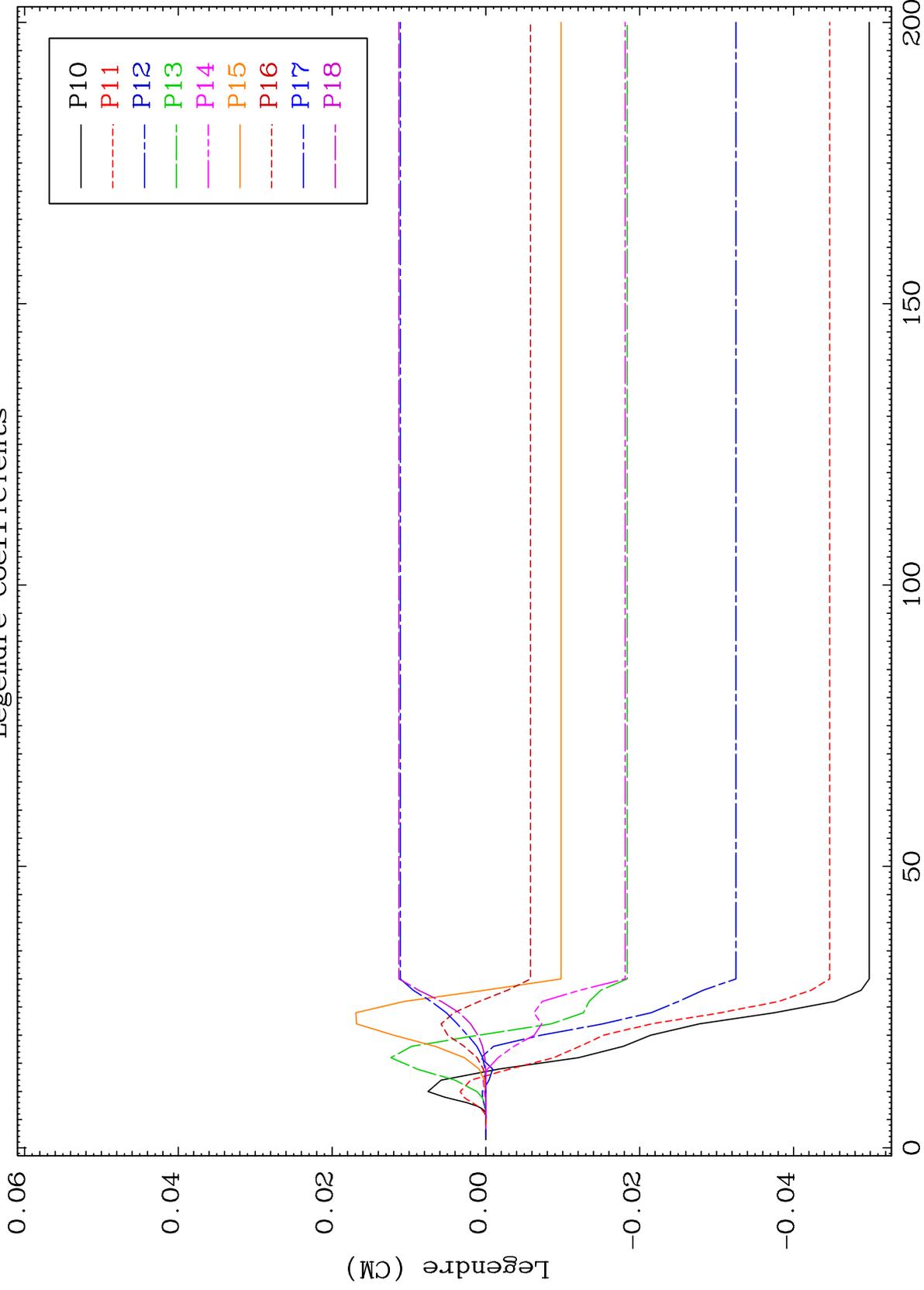
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



47

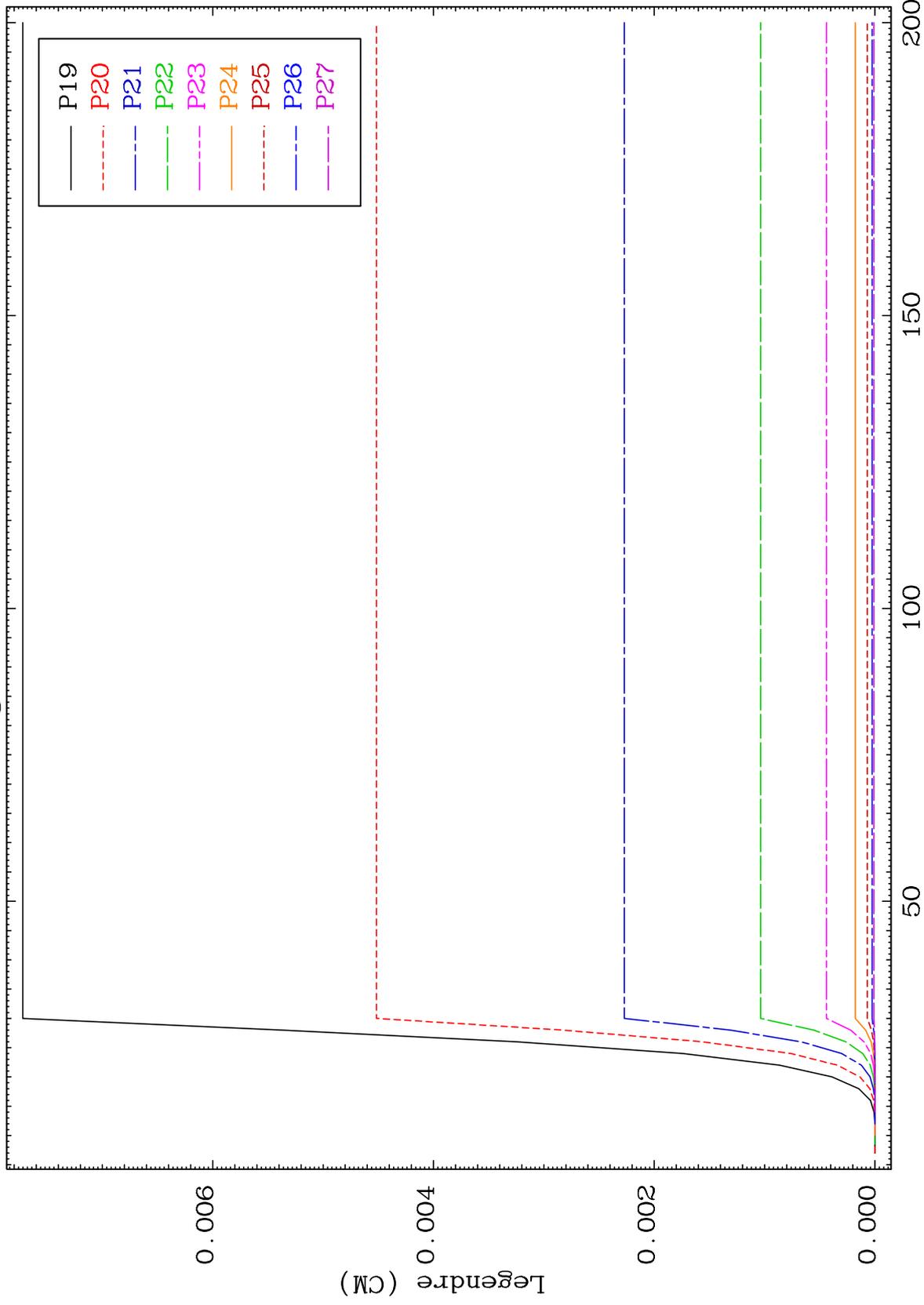
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



48

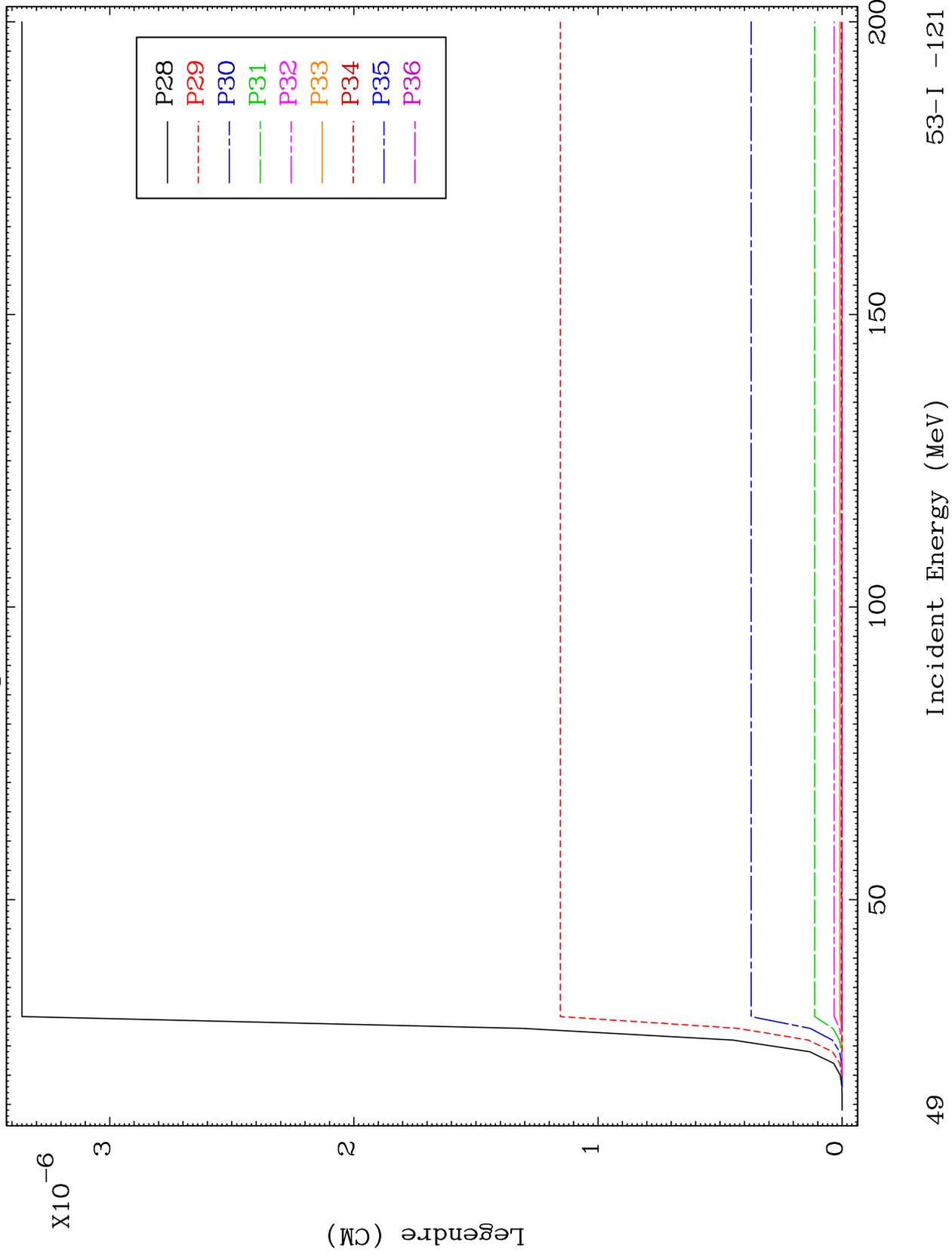
Incident Energy (MeV)

53-I -121

MAT 5307

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

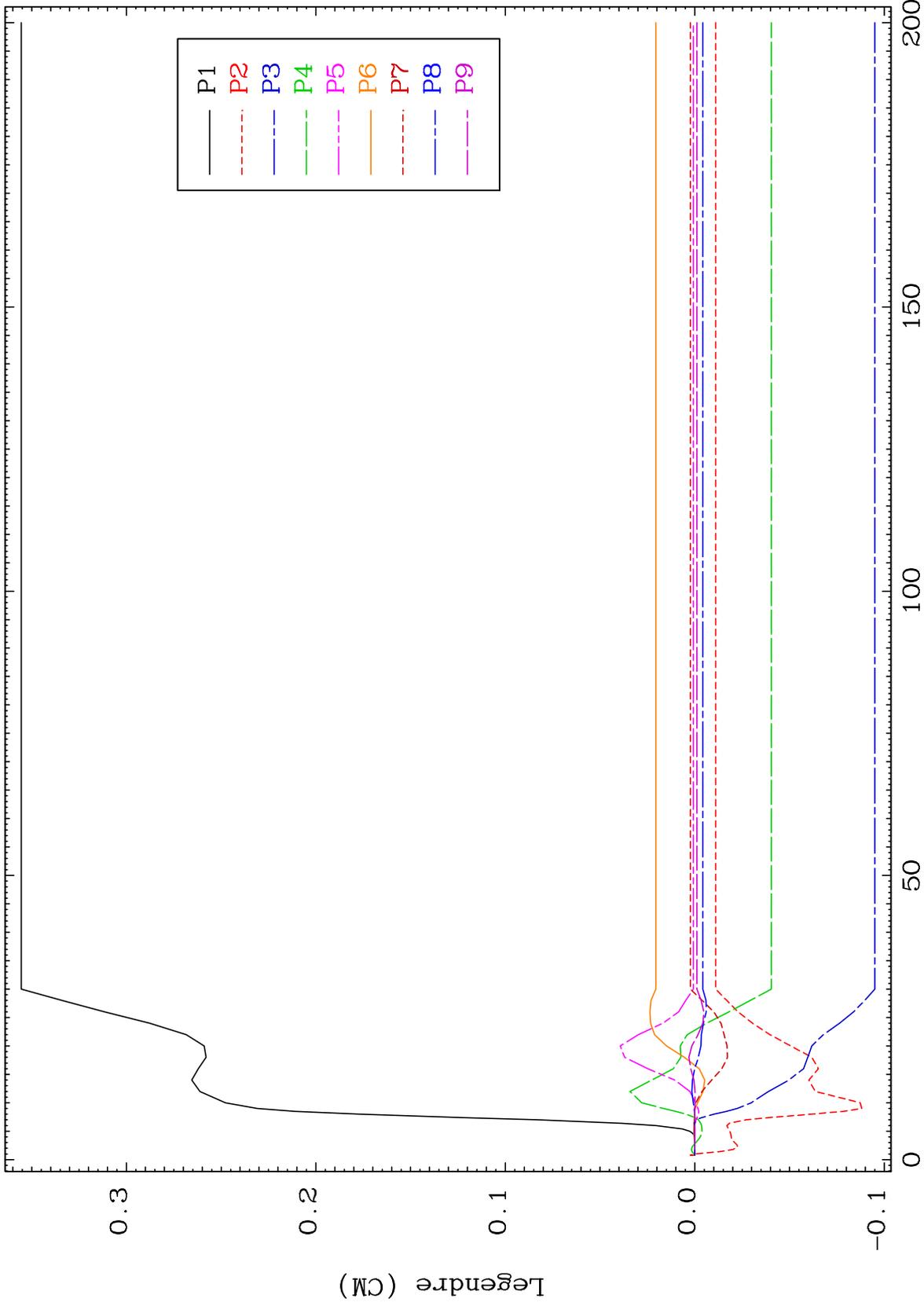
53-I -121



MAT 5307

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

53-I -121



53-I -121

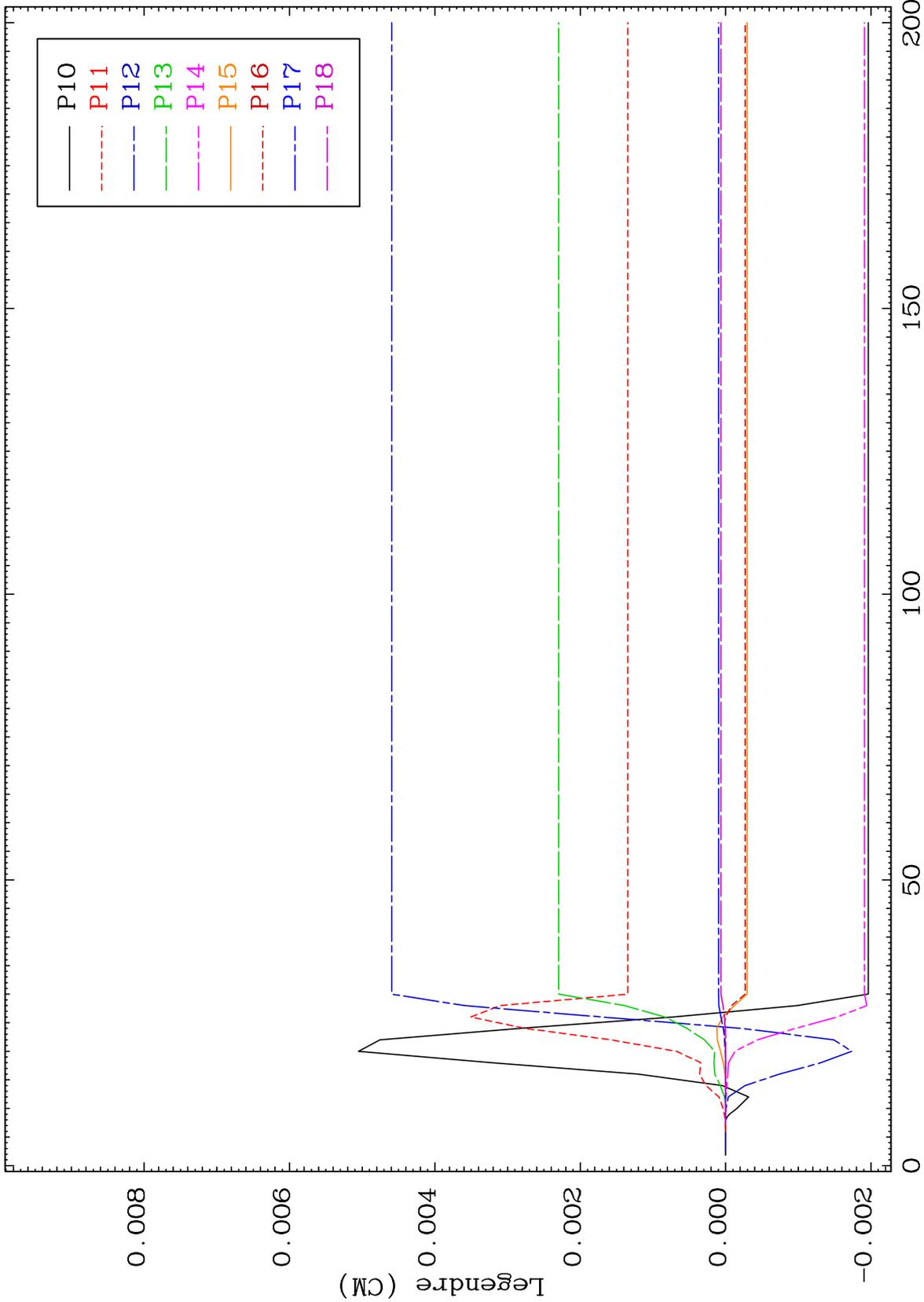
Incident Energy (MeV)

50

MAT 5307

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

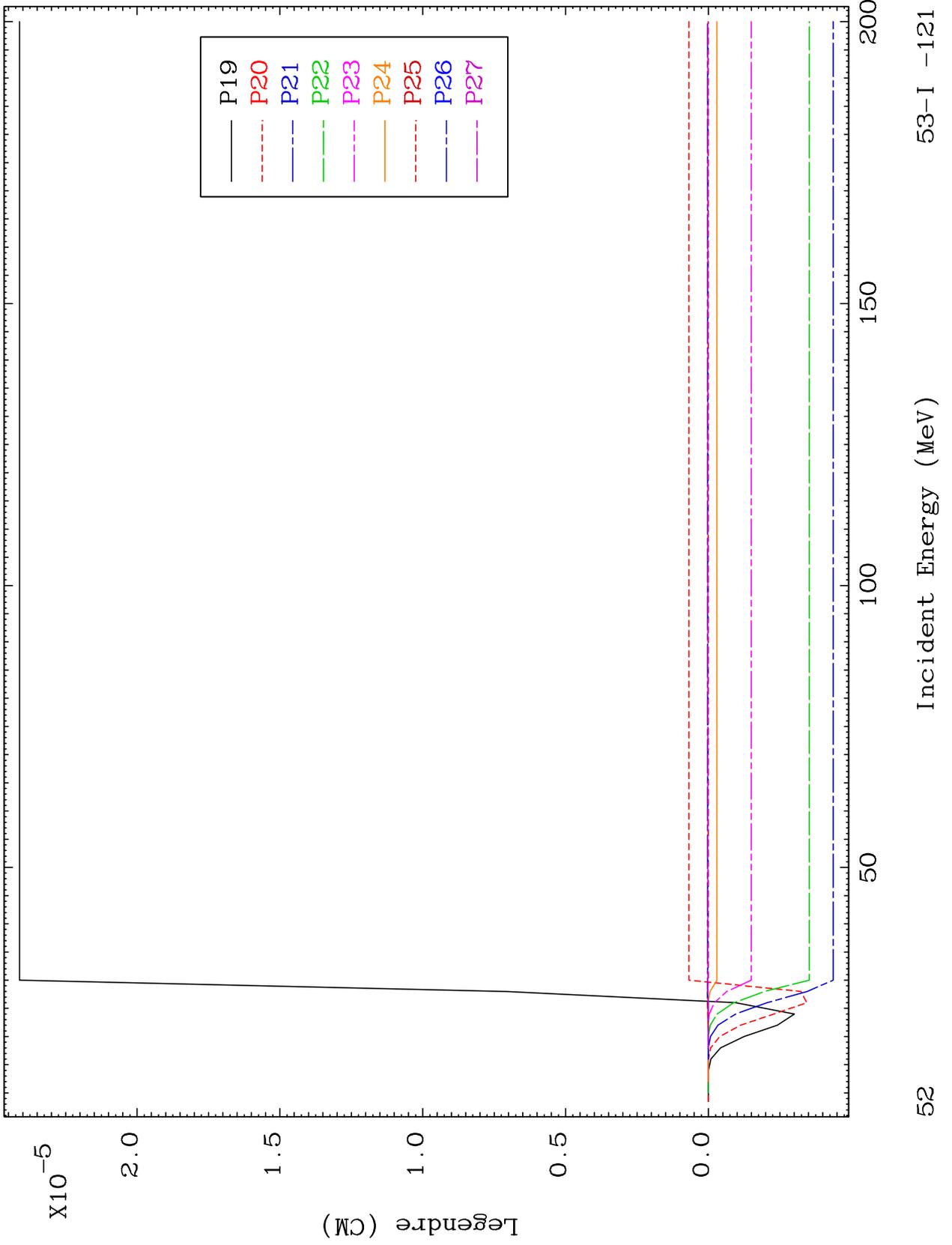
53-I -121



51

Incident Energy (MeV)

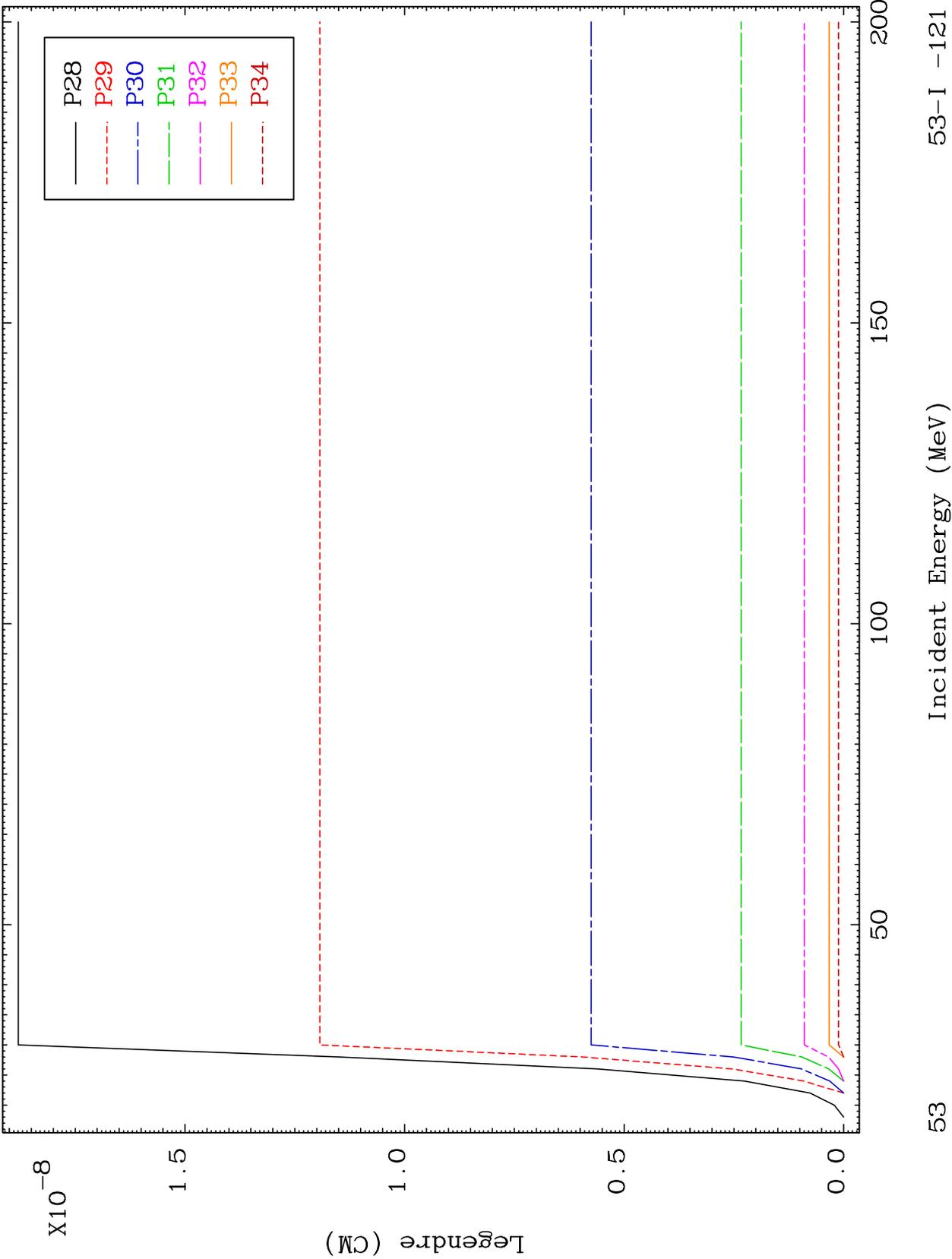
53-I -121



MAT 5307

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

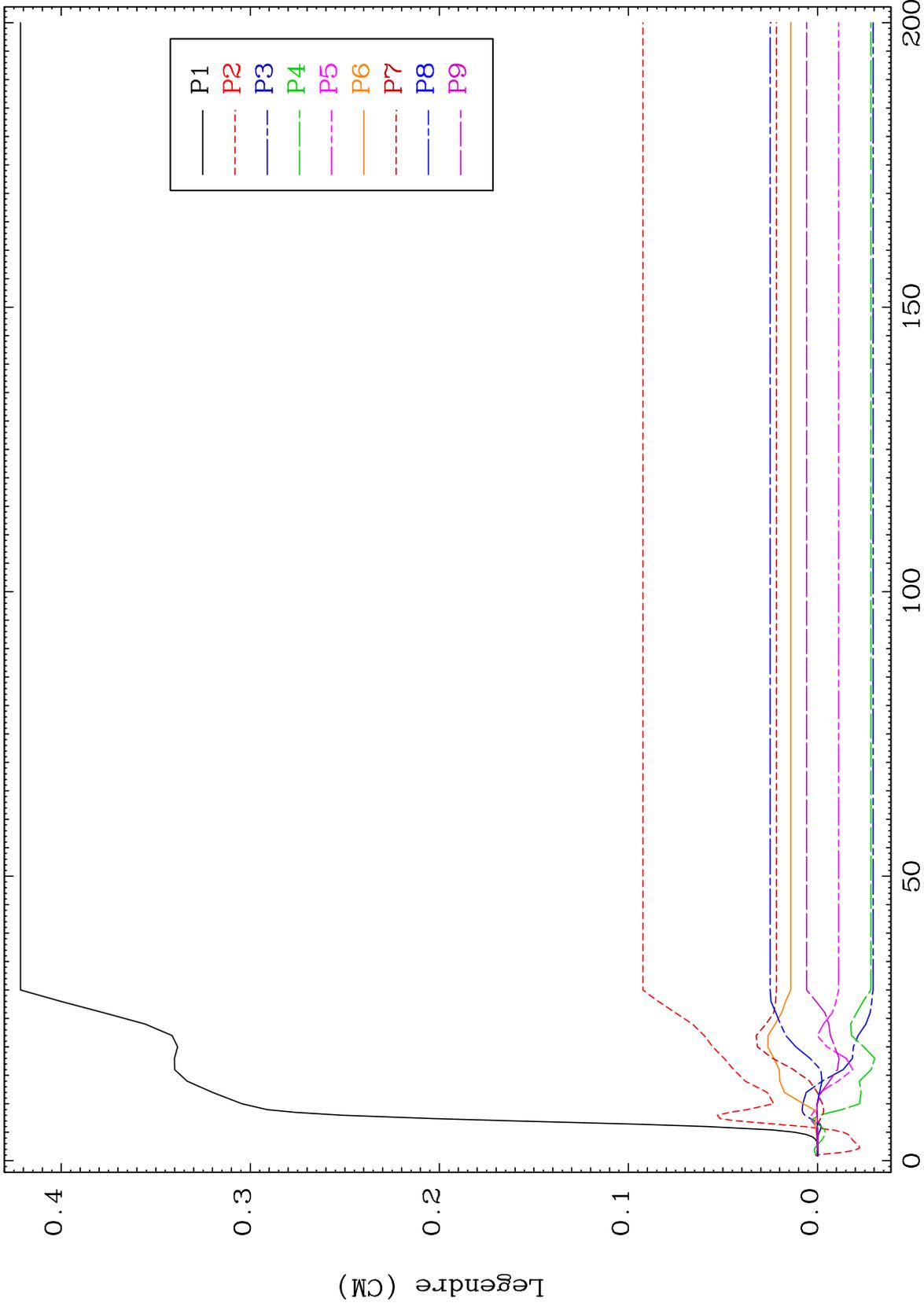
53-I -121



53

Incident Energy (MeV)

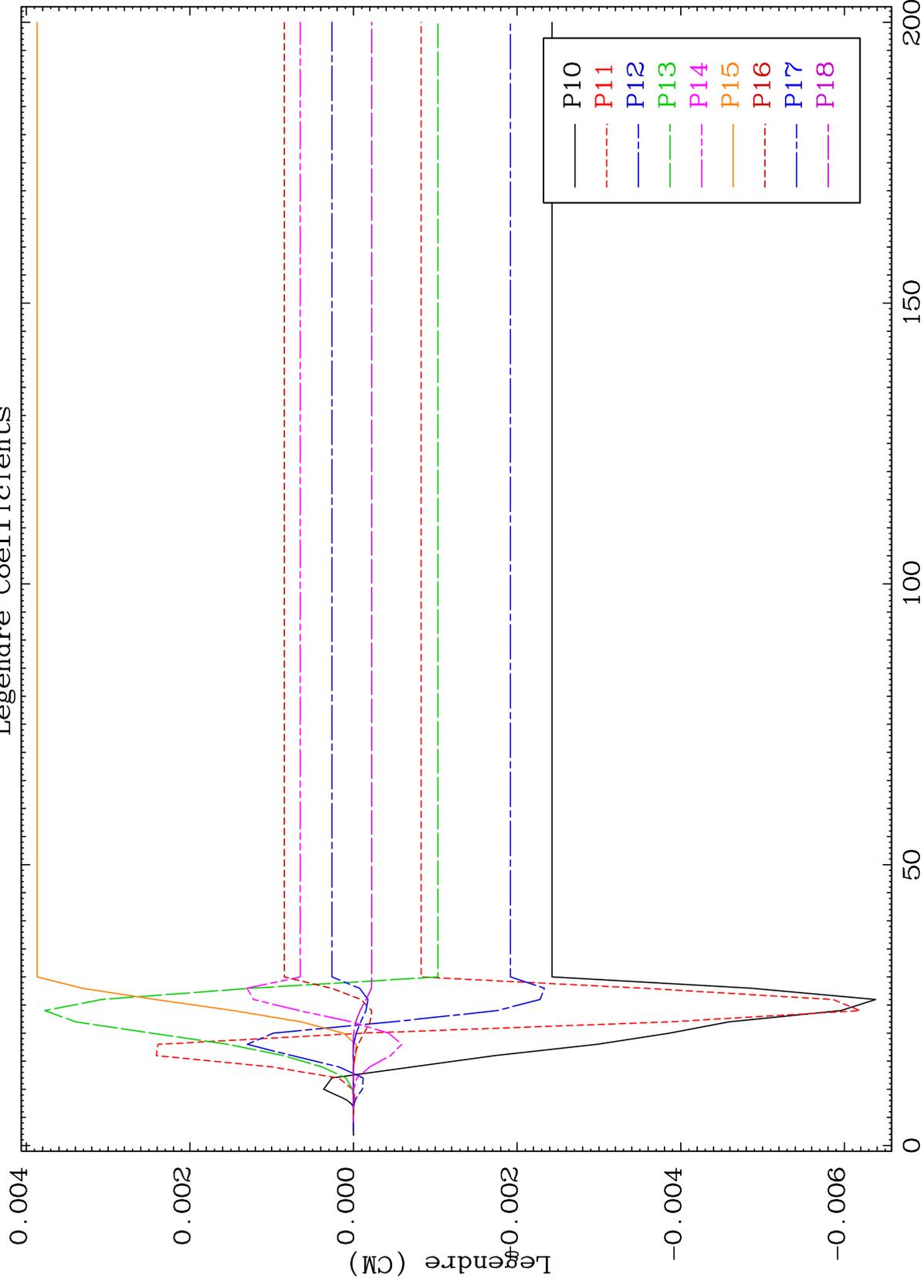
53-I -121



MAT 5307

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

53-I -121



53-I -121

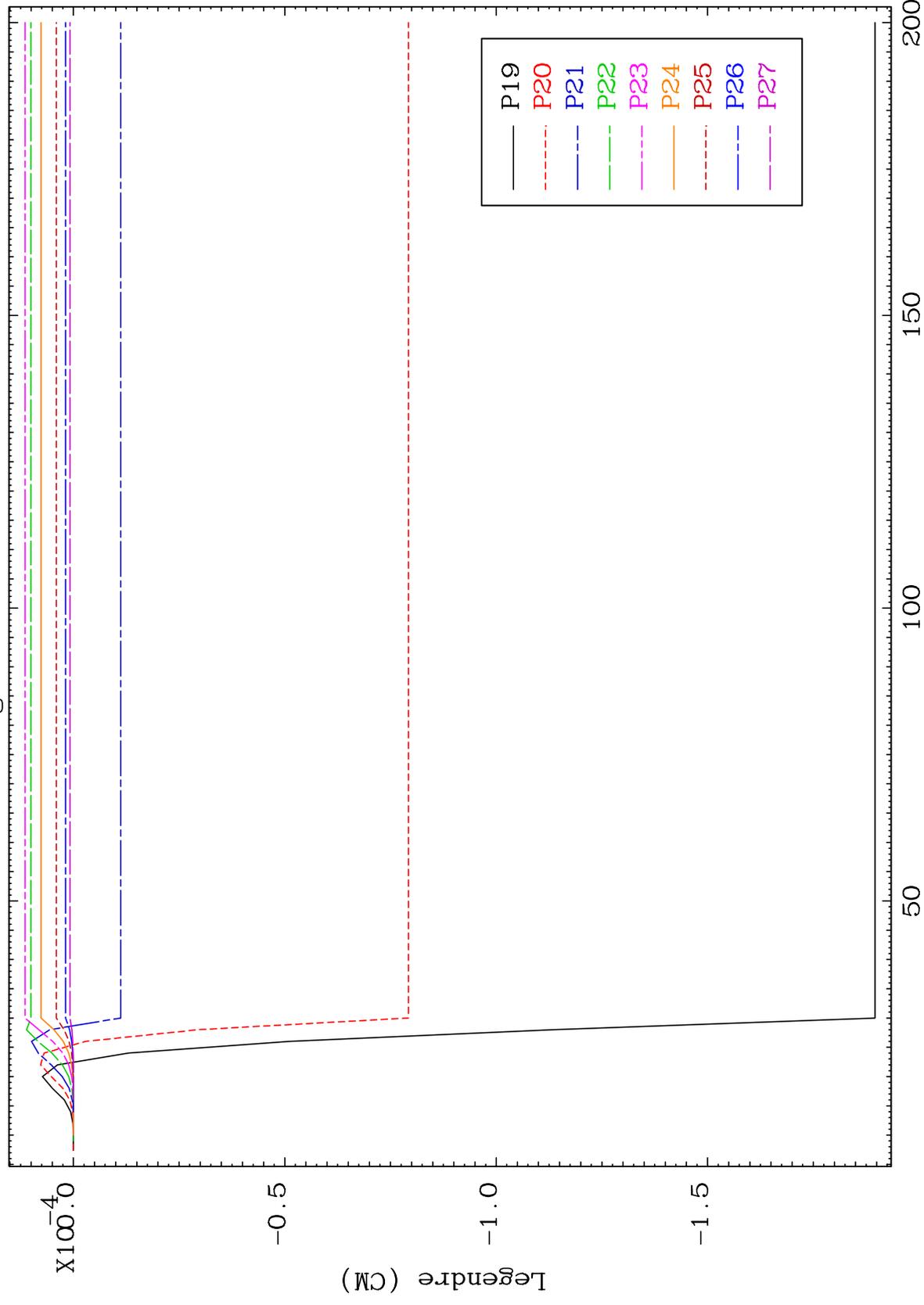
Incident Energy (MeV)

55

MAT 5307

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

53-I -121



56

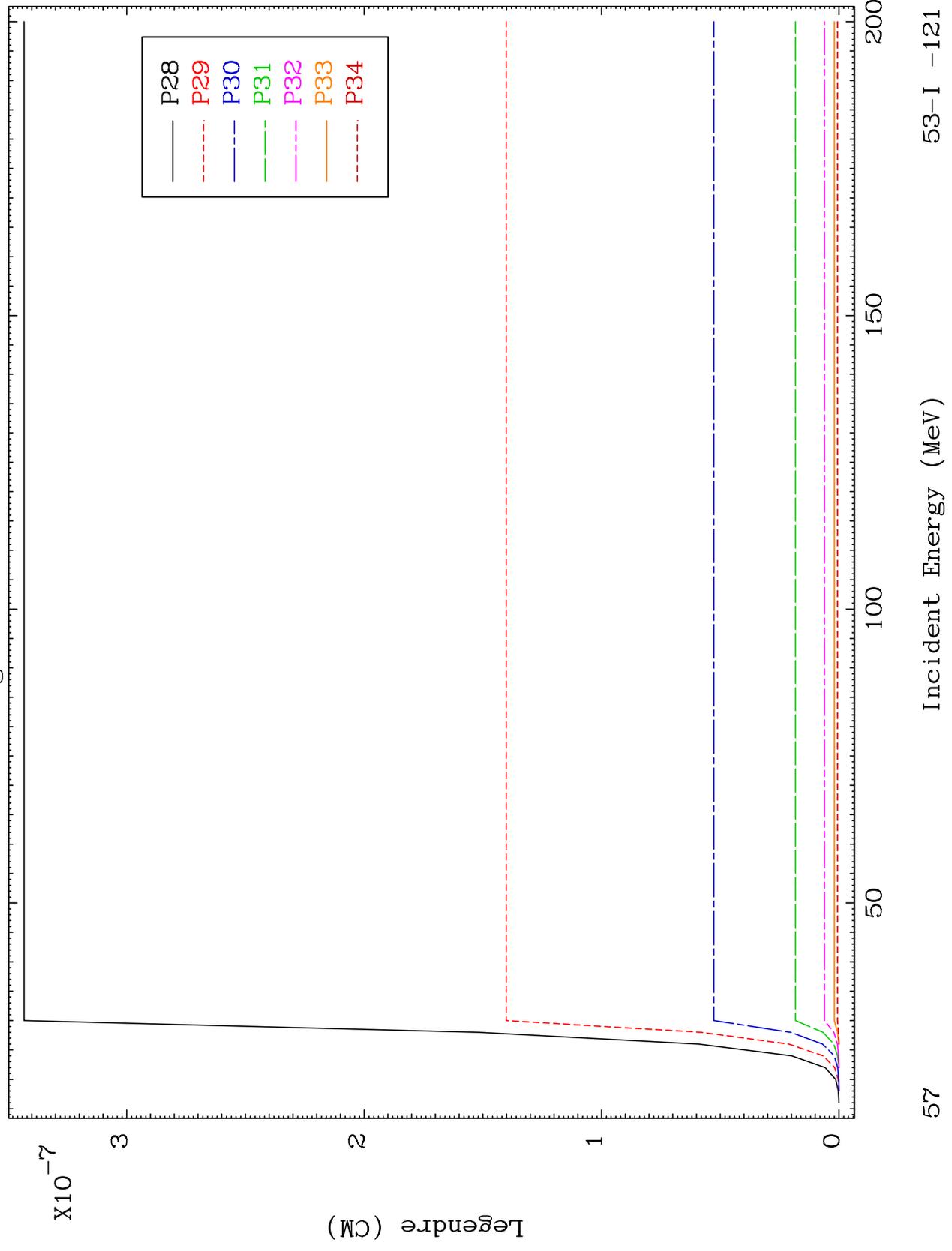
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



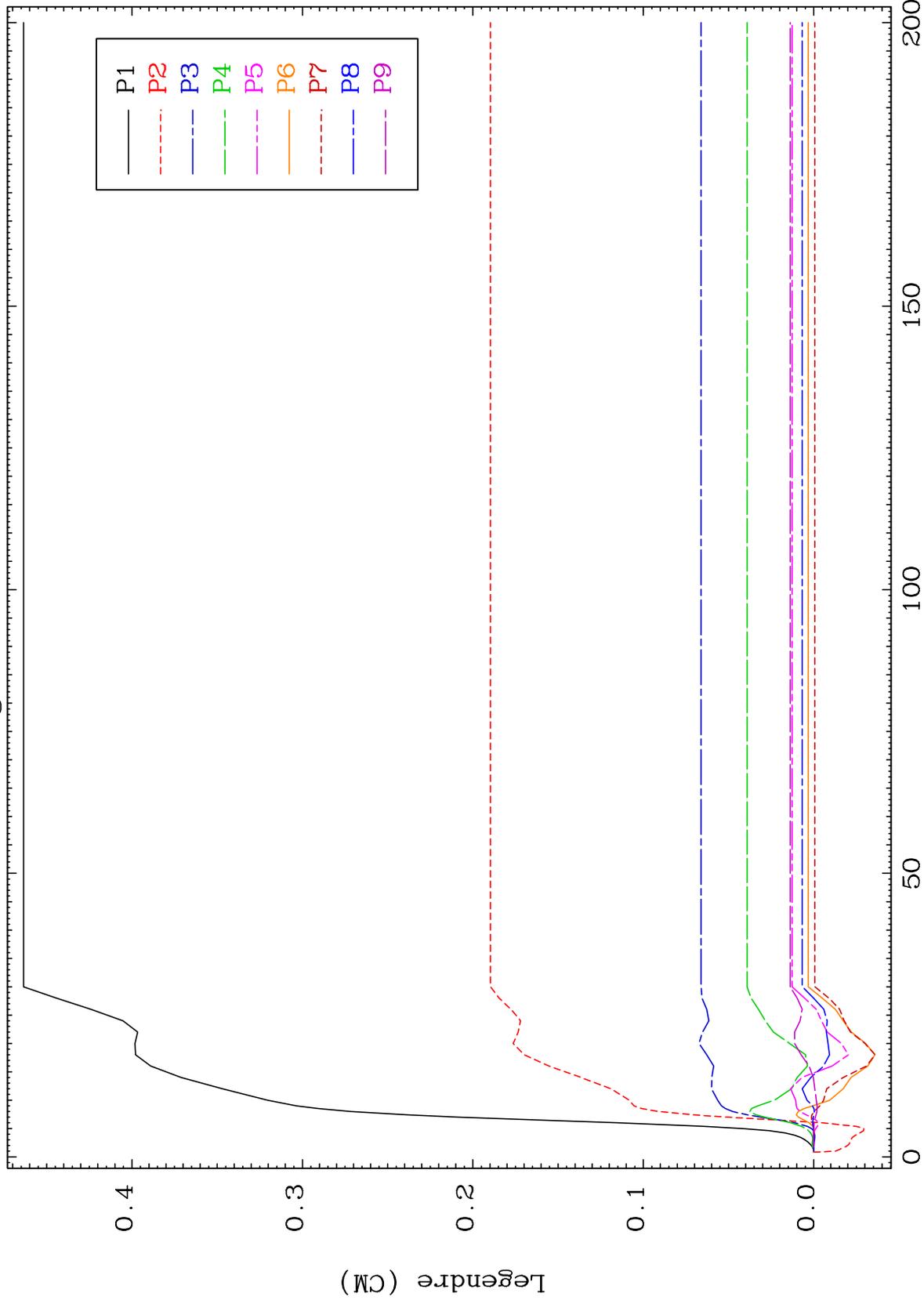
57

53-I -121

MAT 5307

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

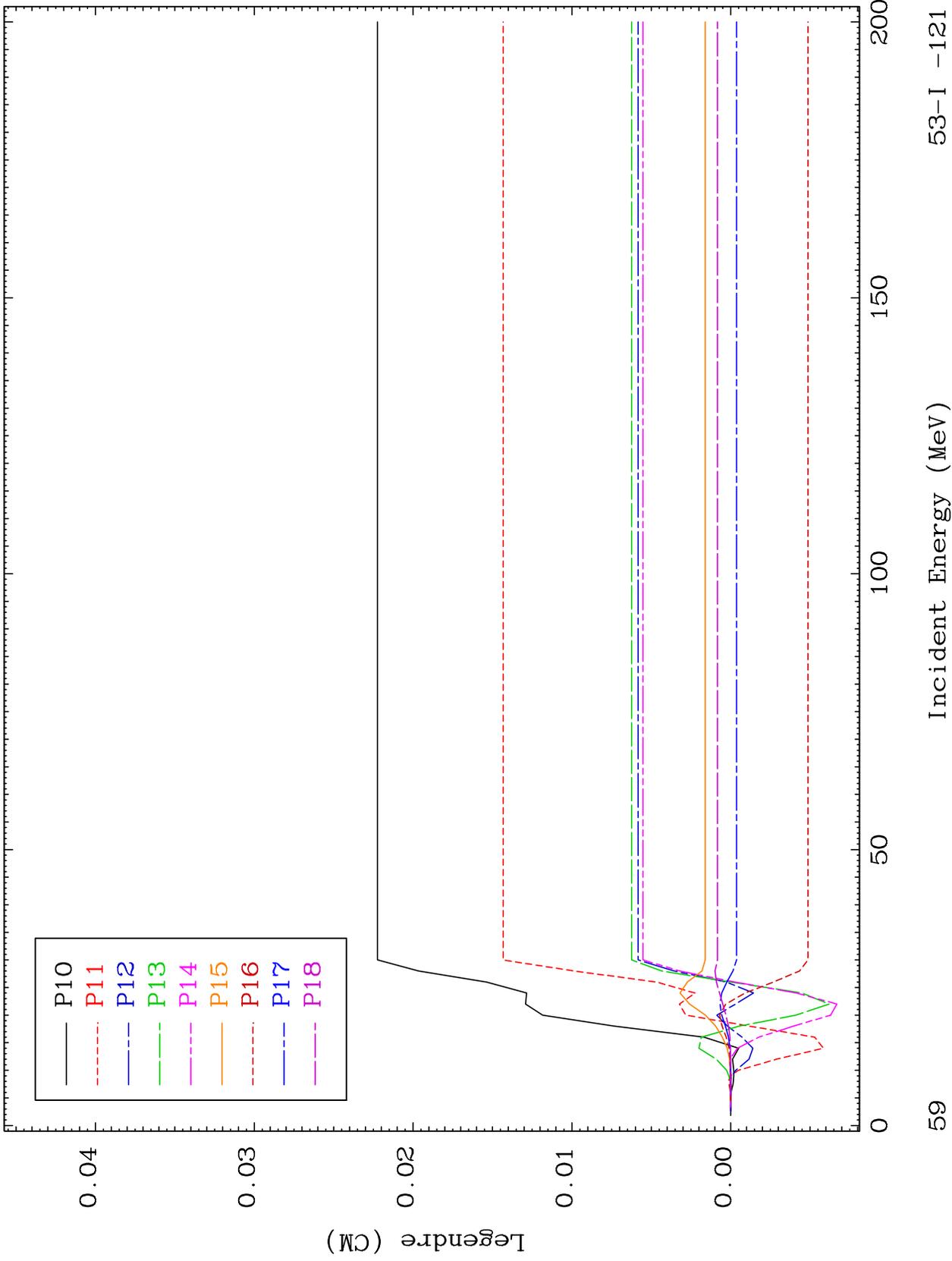
53-I -121

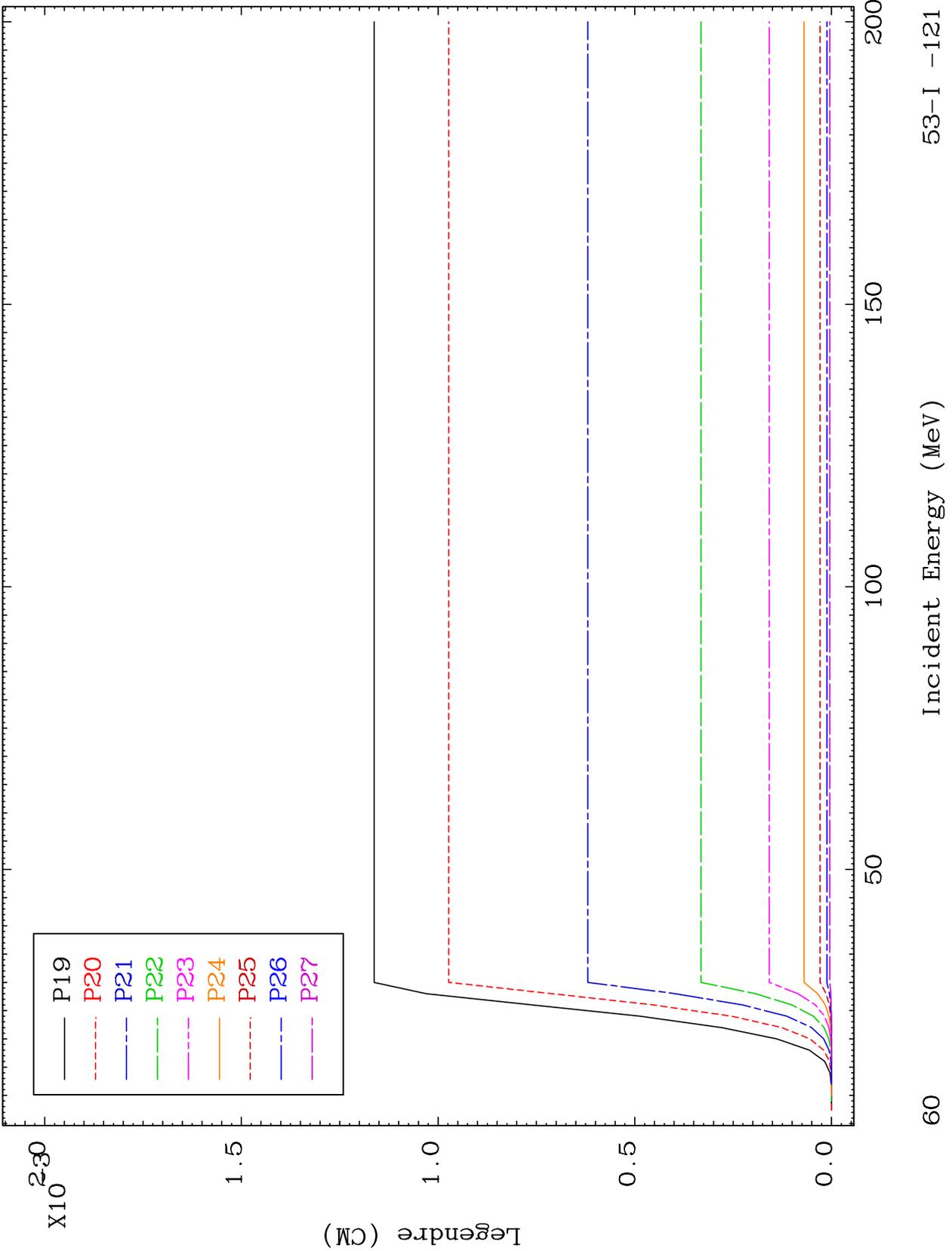


58

Incident Energy (MeV)

53-I -121

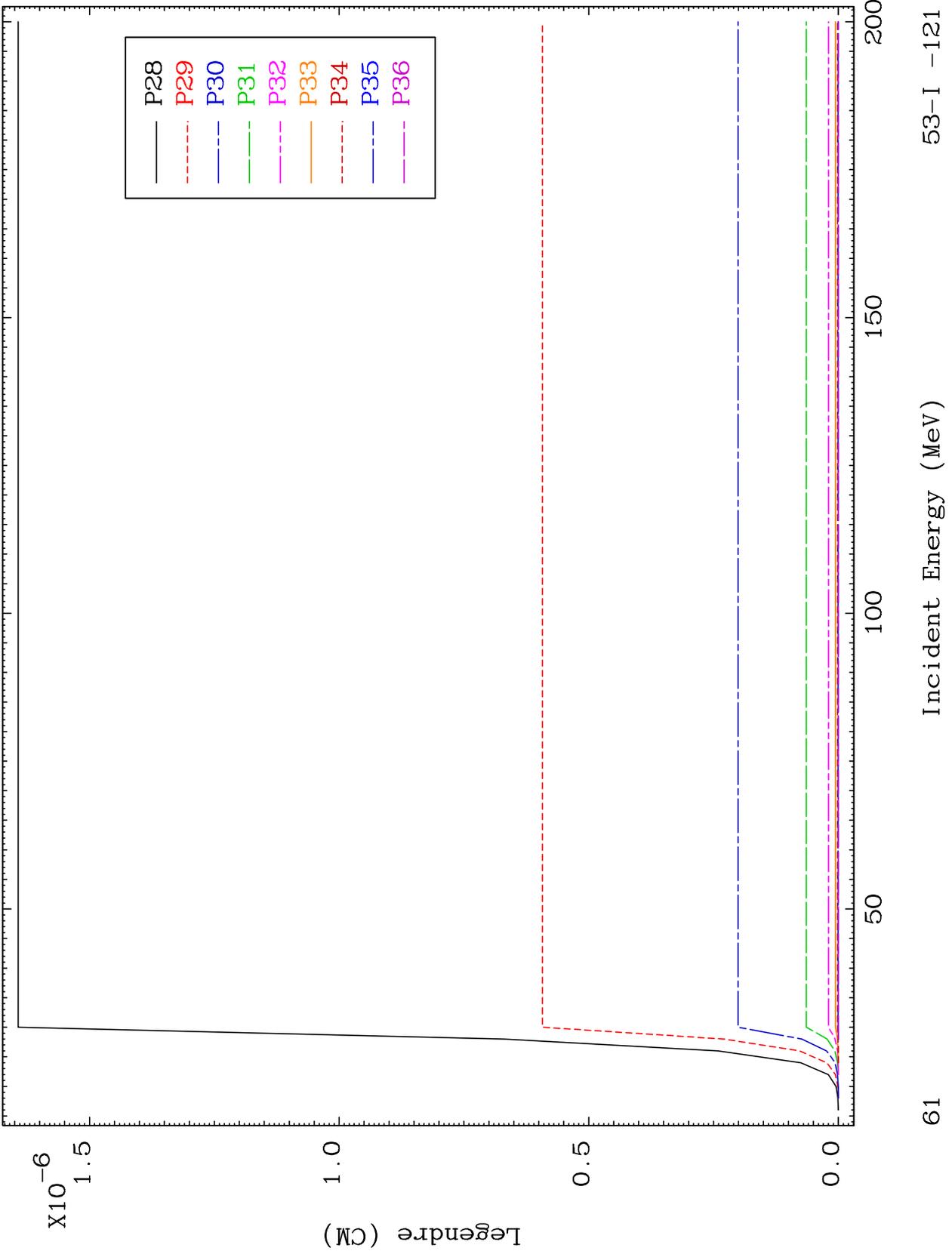




MAT 5307

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

53-I -121



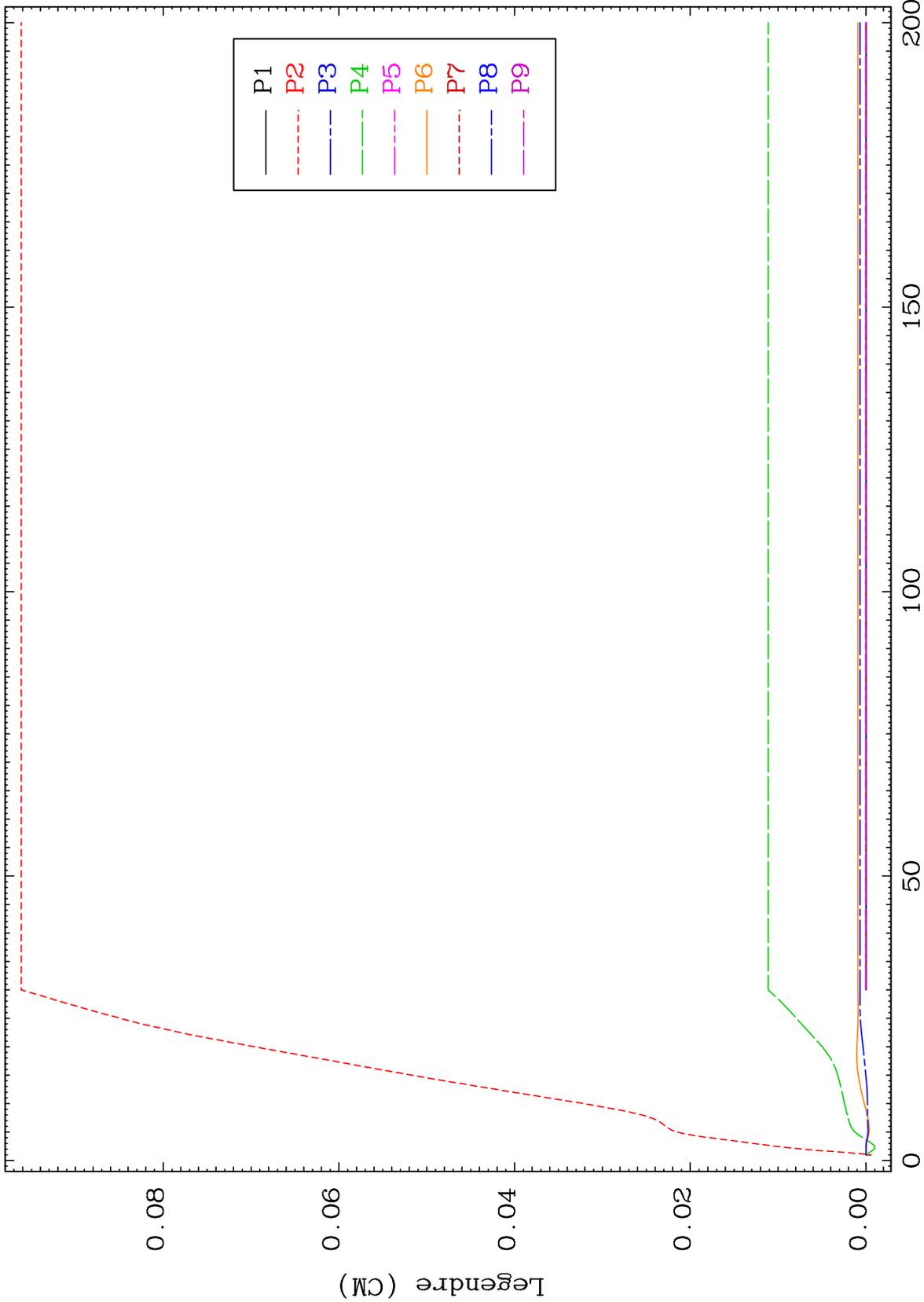
61

53-I -121

MAT 5307

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

53-I -121



53-I -121

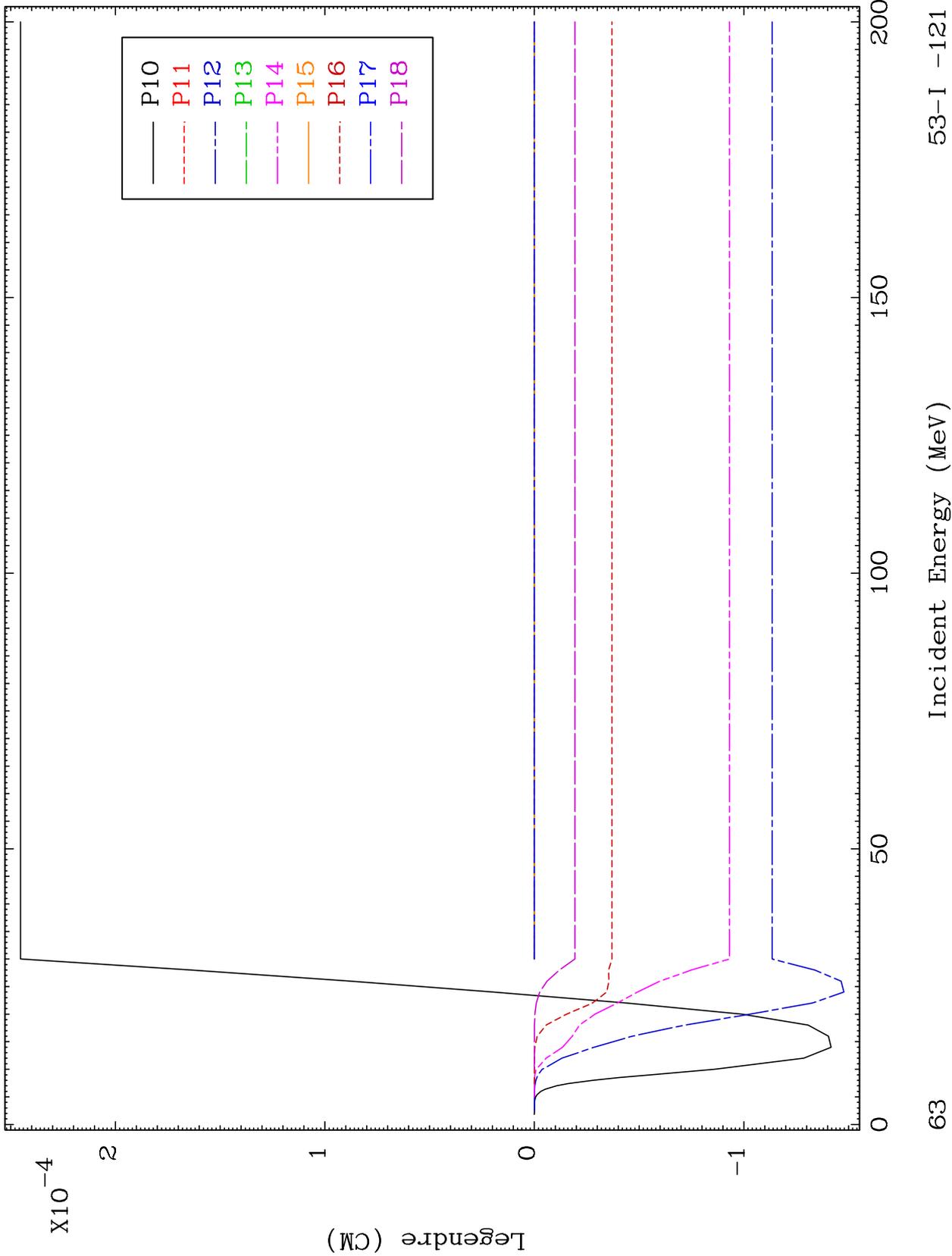
Incident Energy (MeV)

62

MAT 5307

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

53-I -121



63

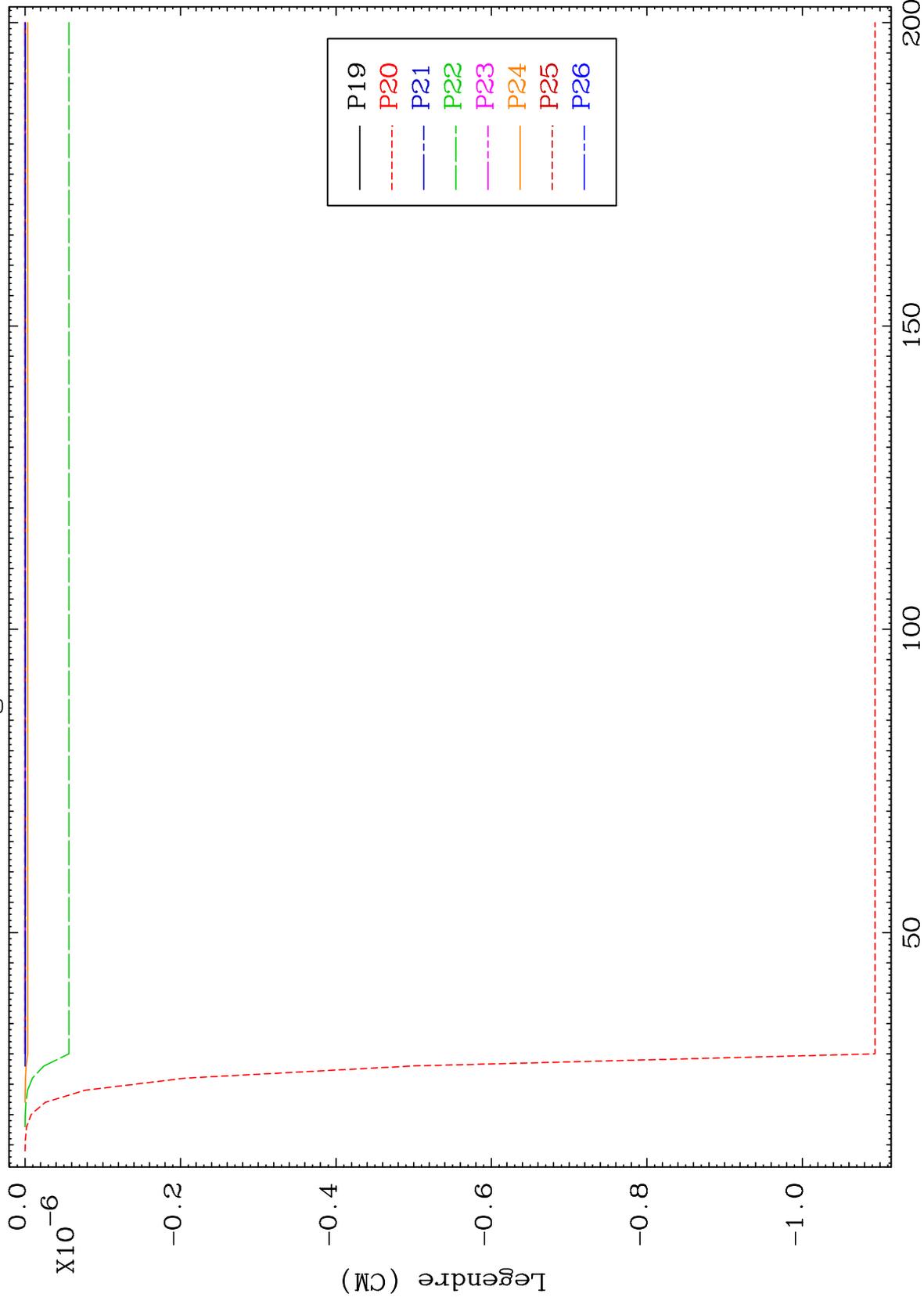
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



64

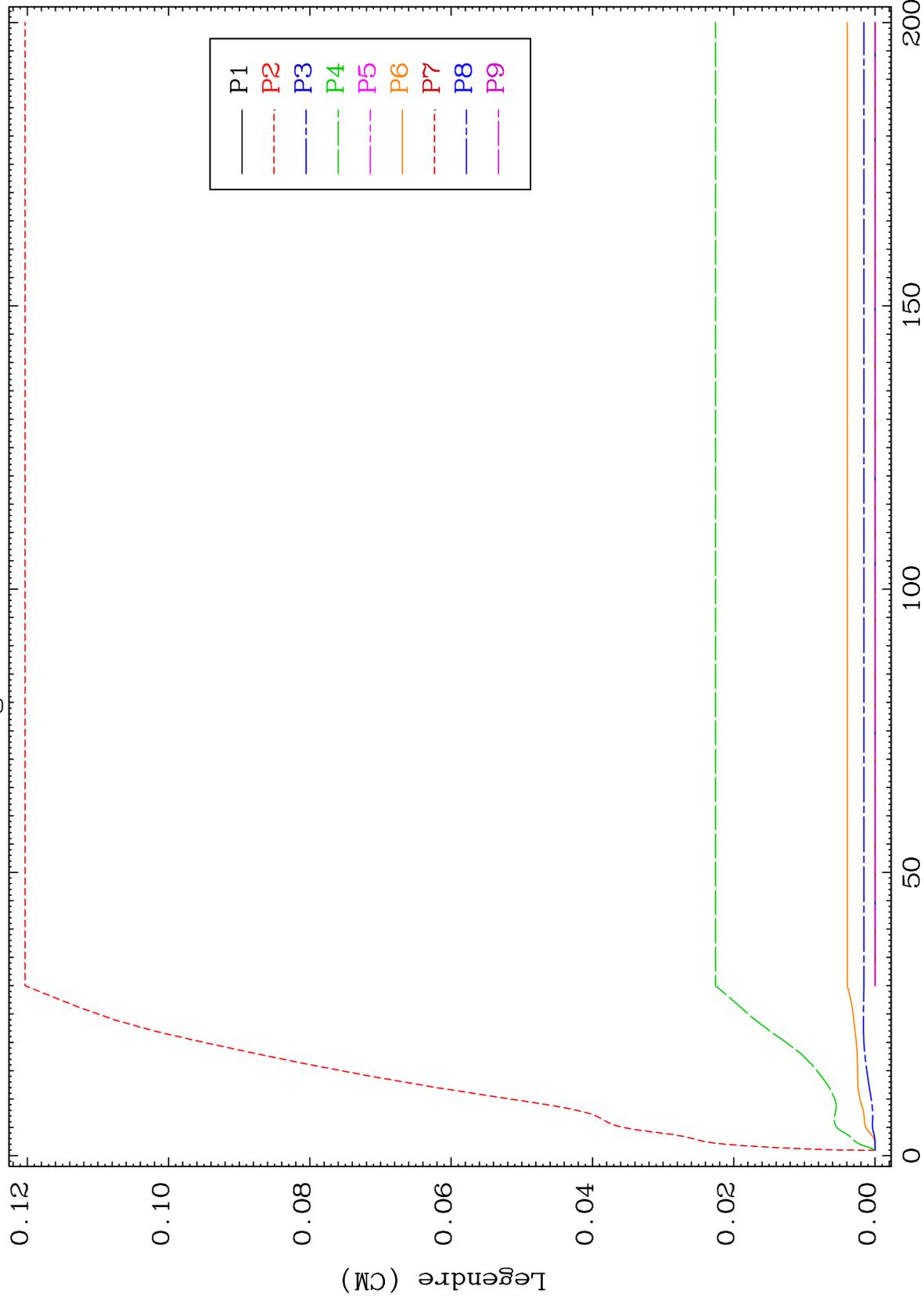
Incident Energy (MeV)

53-I -121

MAT 5307

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

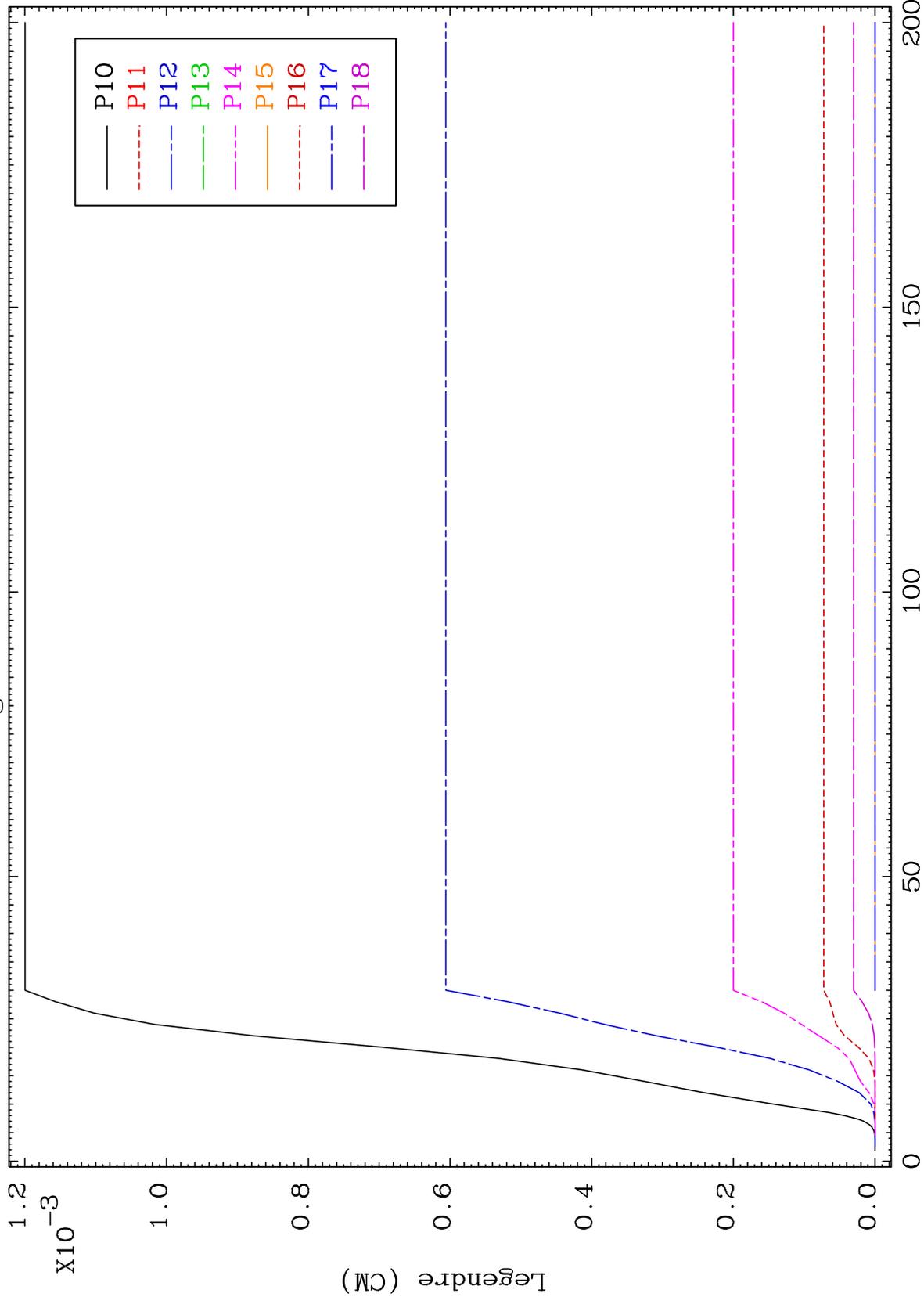
53-I -121



65

Incident Energy (MeV)

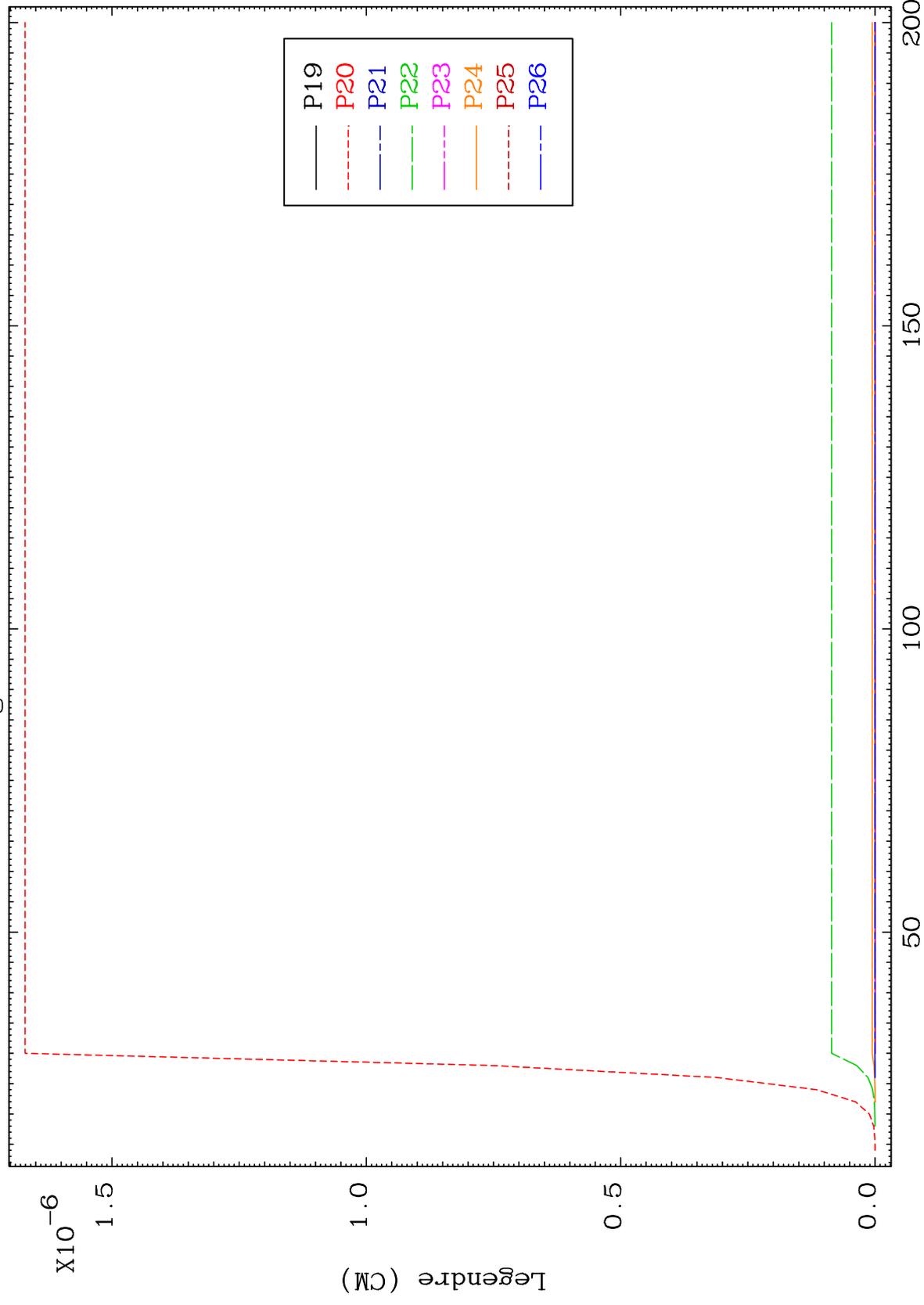
53-I -121



MAT 5307

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

53-I -121



67

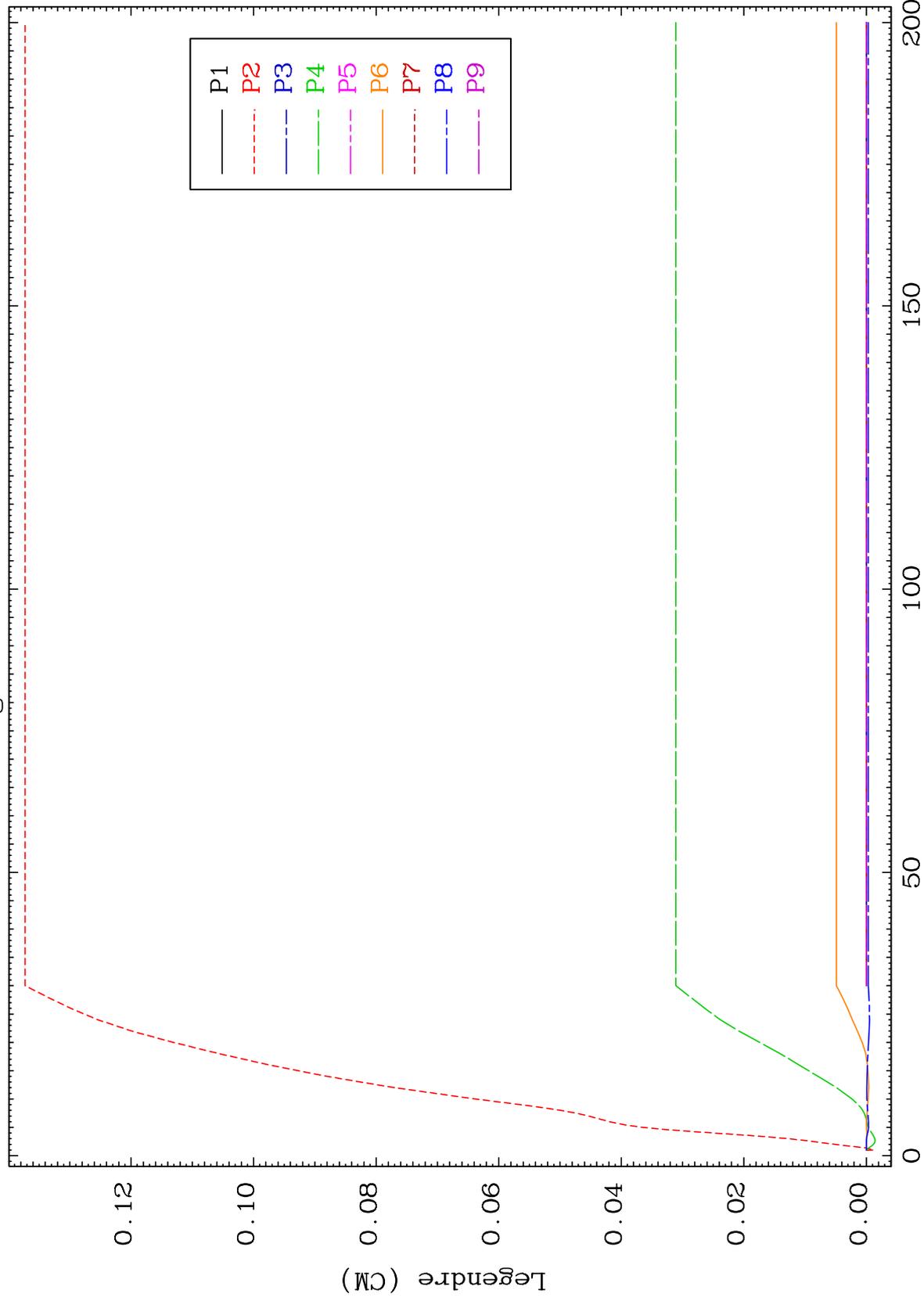
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



68

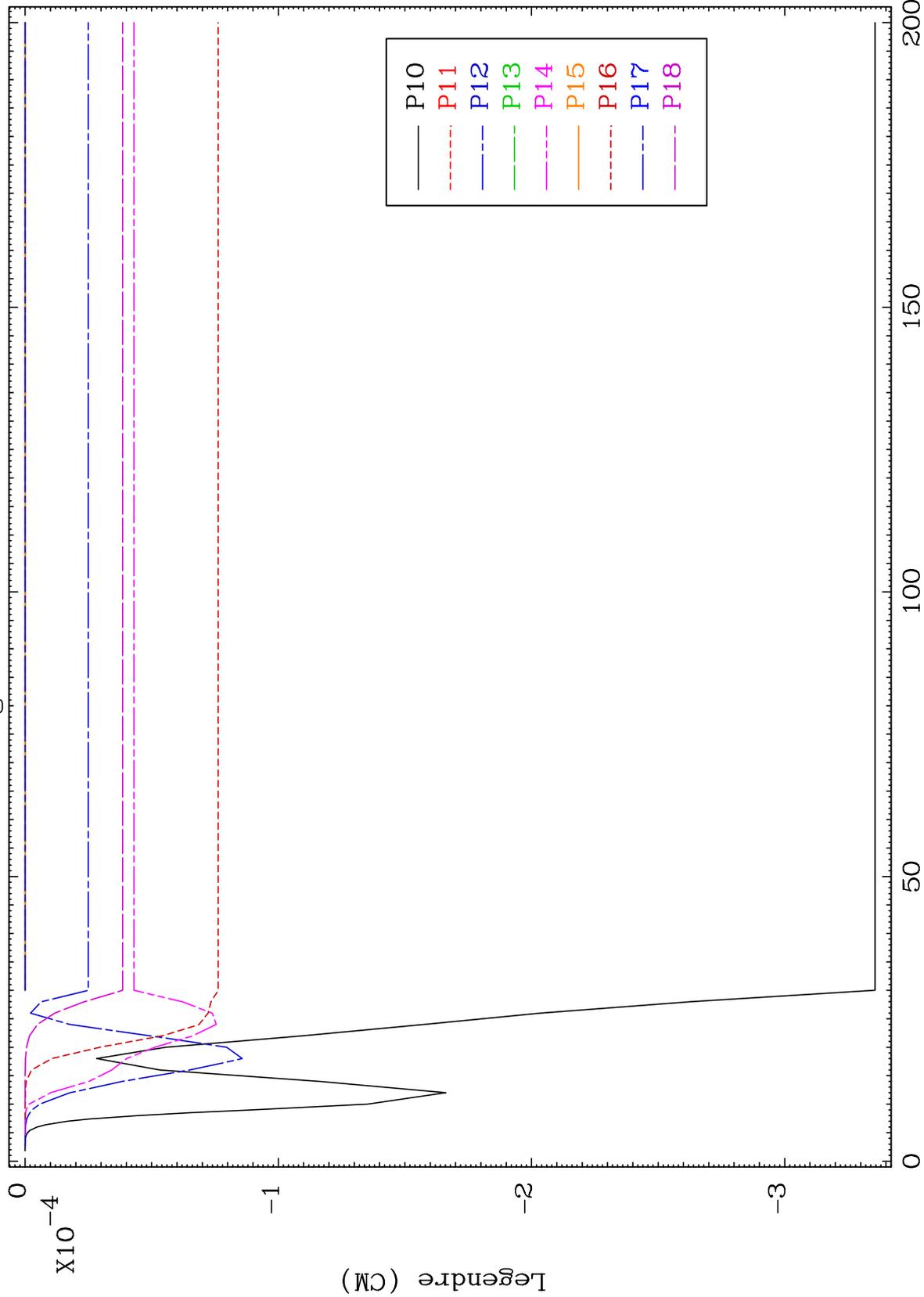
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



69

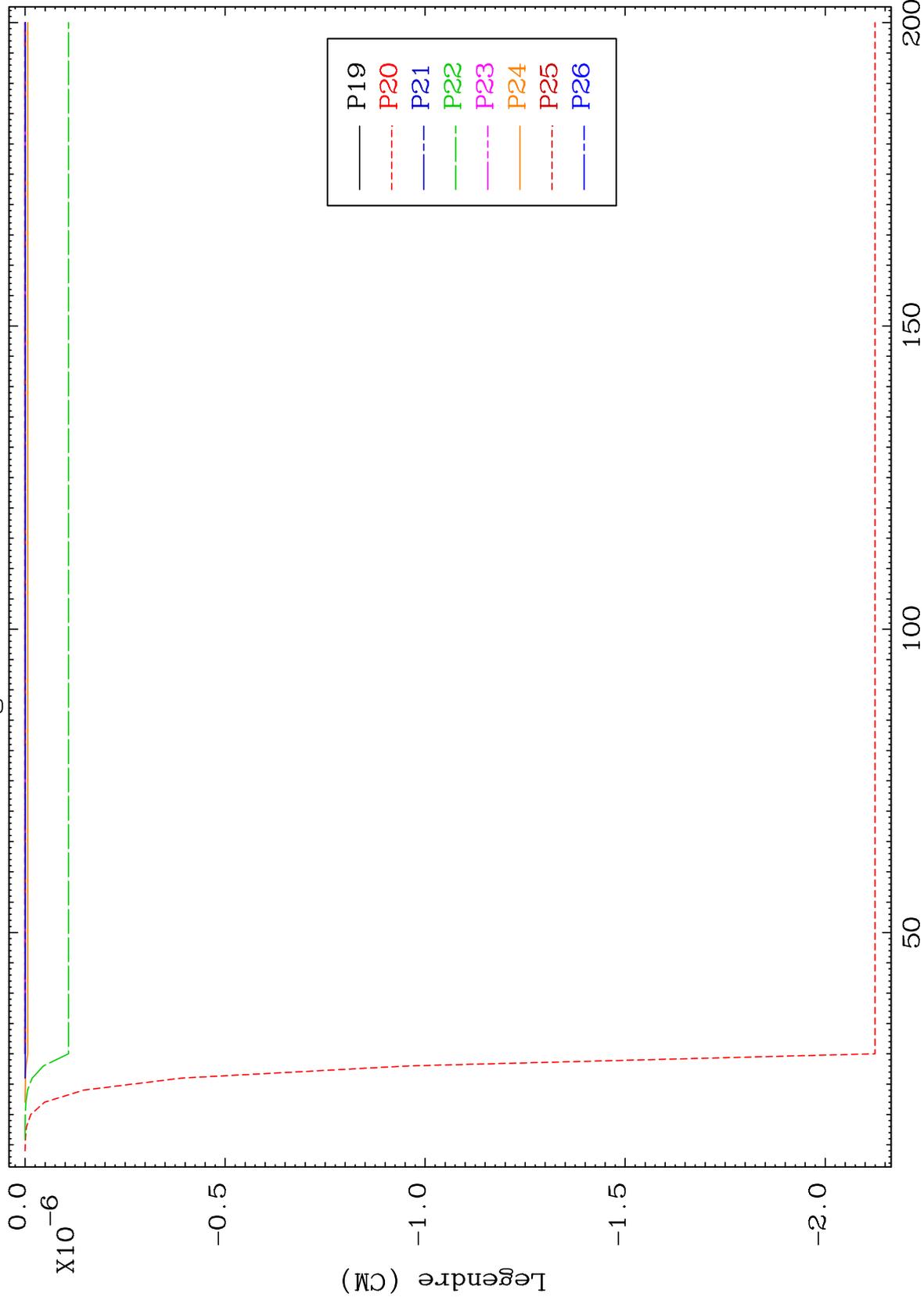
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



70

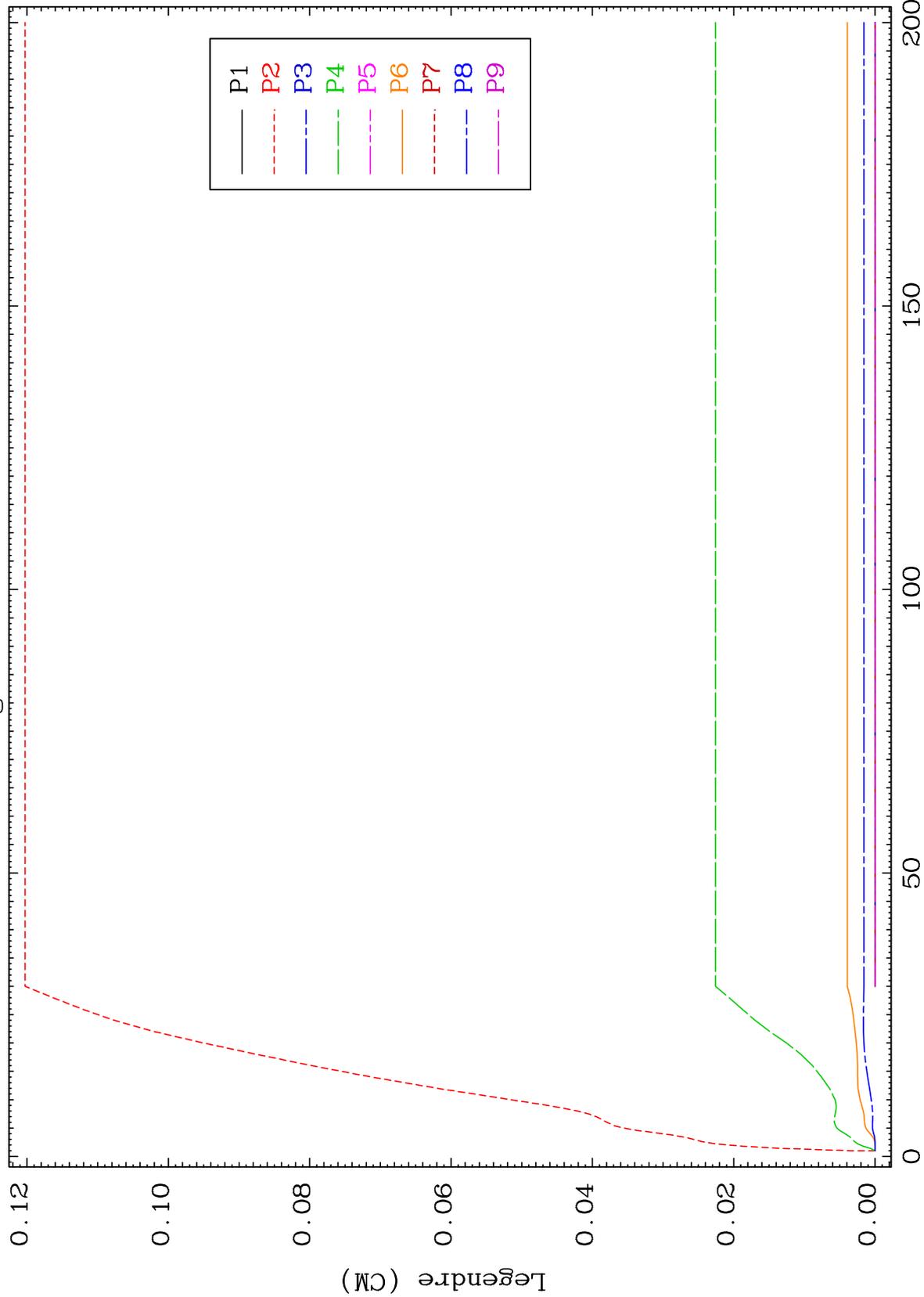
Incident Energy (MeV)

53-I -121

MAT 5307

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

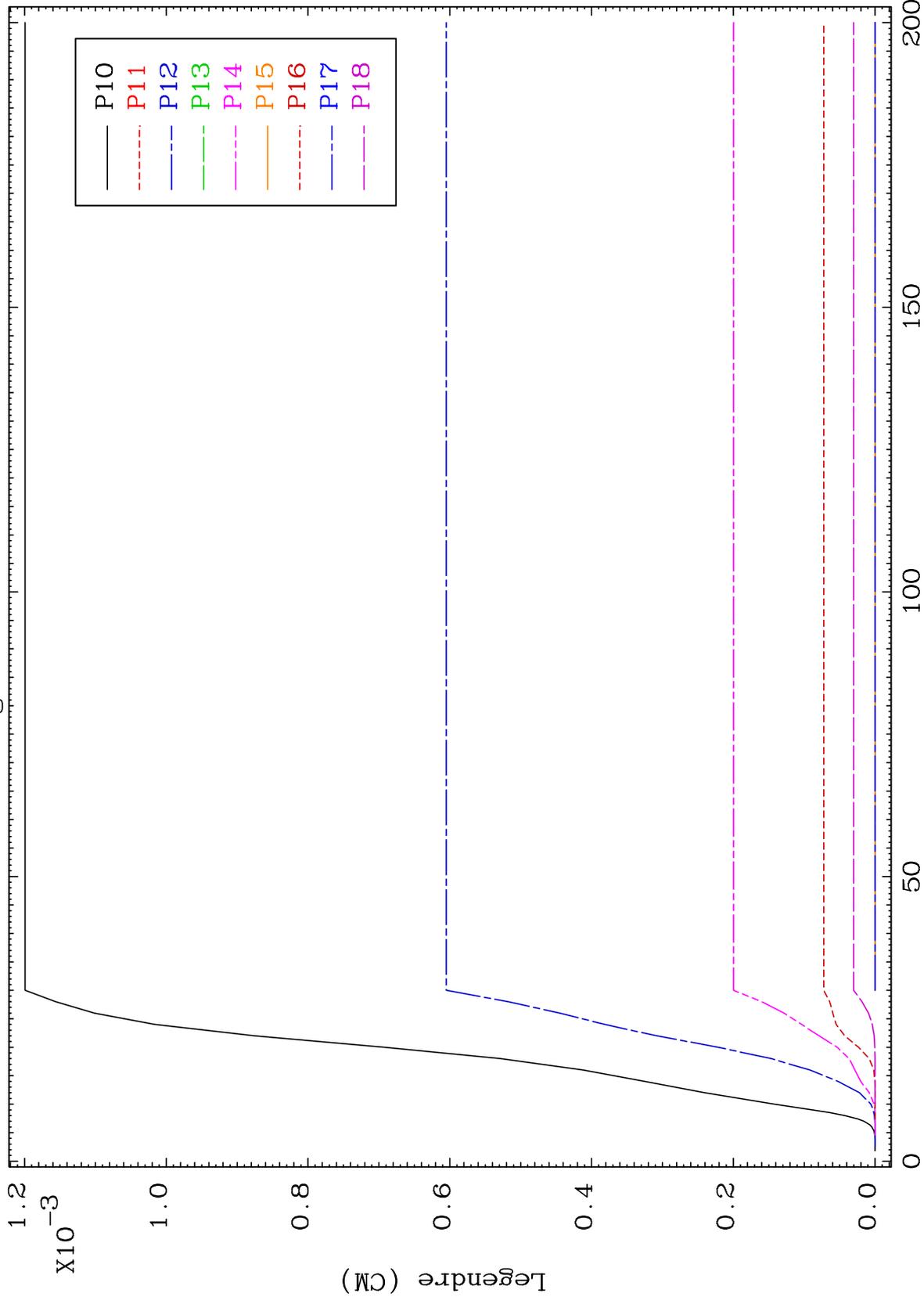
53-I -121



71

Incident Energy (MeV)

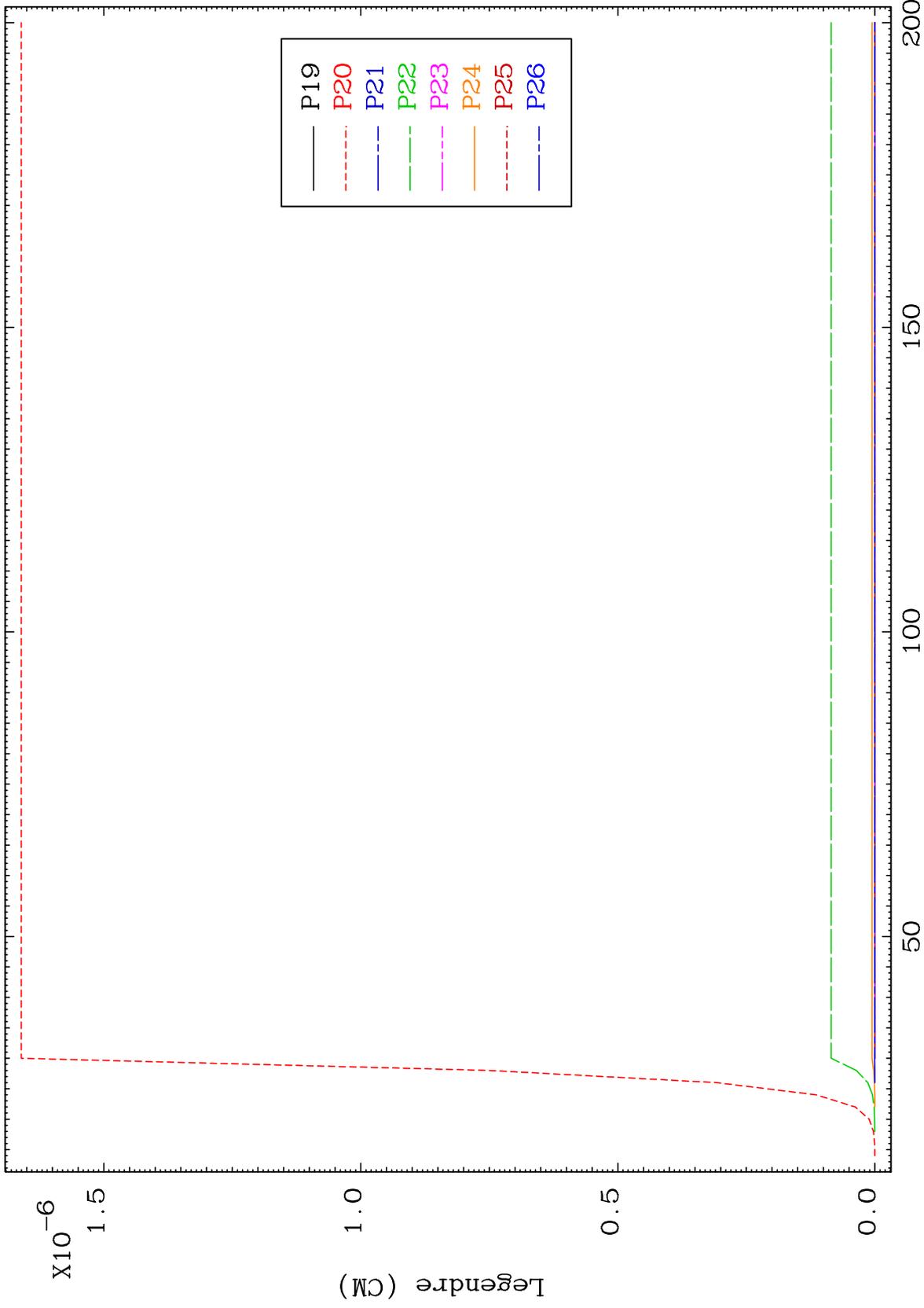
53-I -121



MAT 5307

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

53-I -121



73

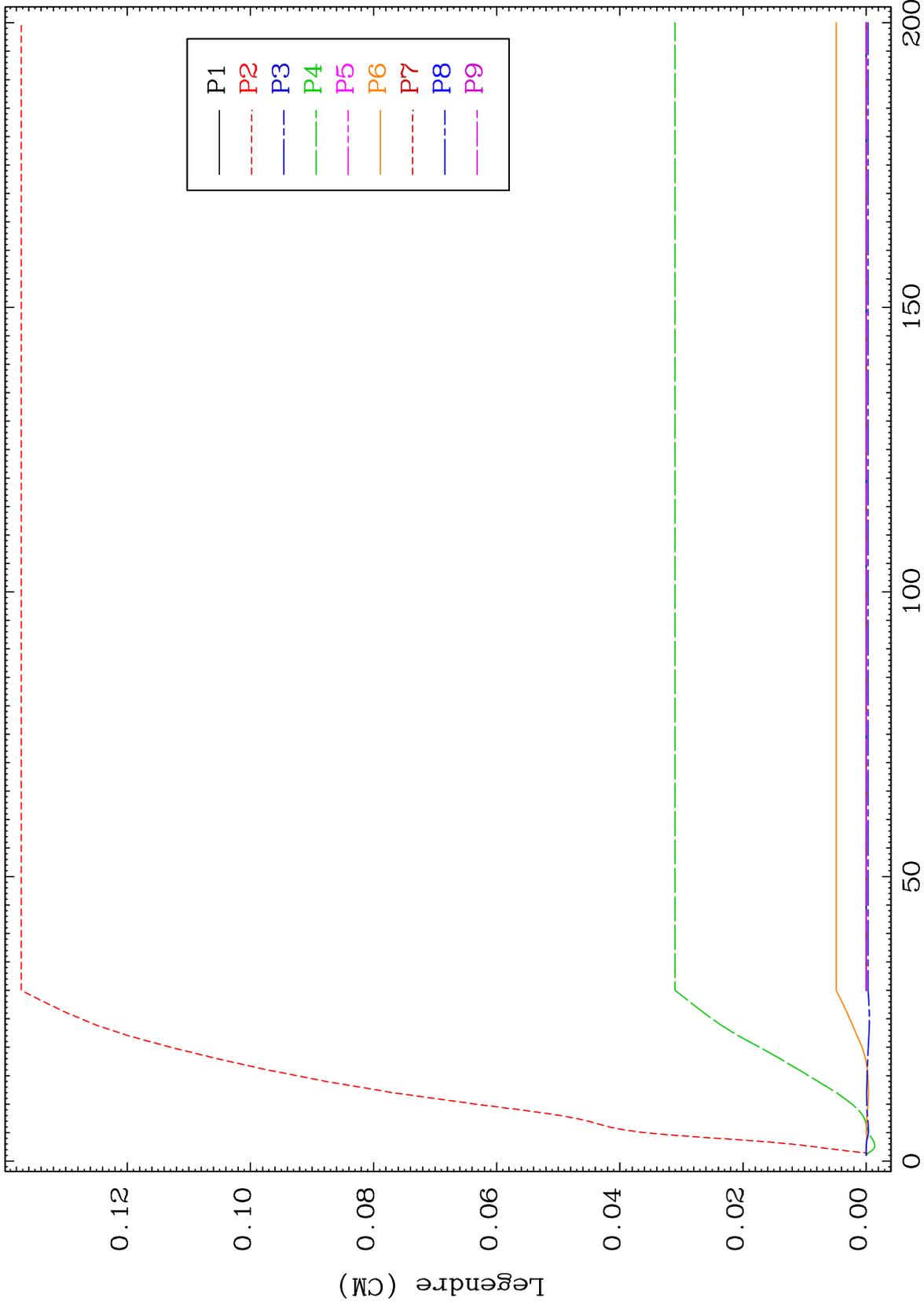
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



74

Incident Energy (MeV)

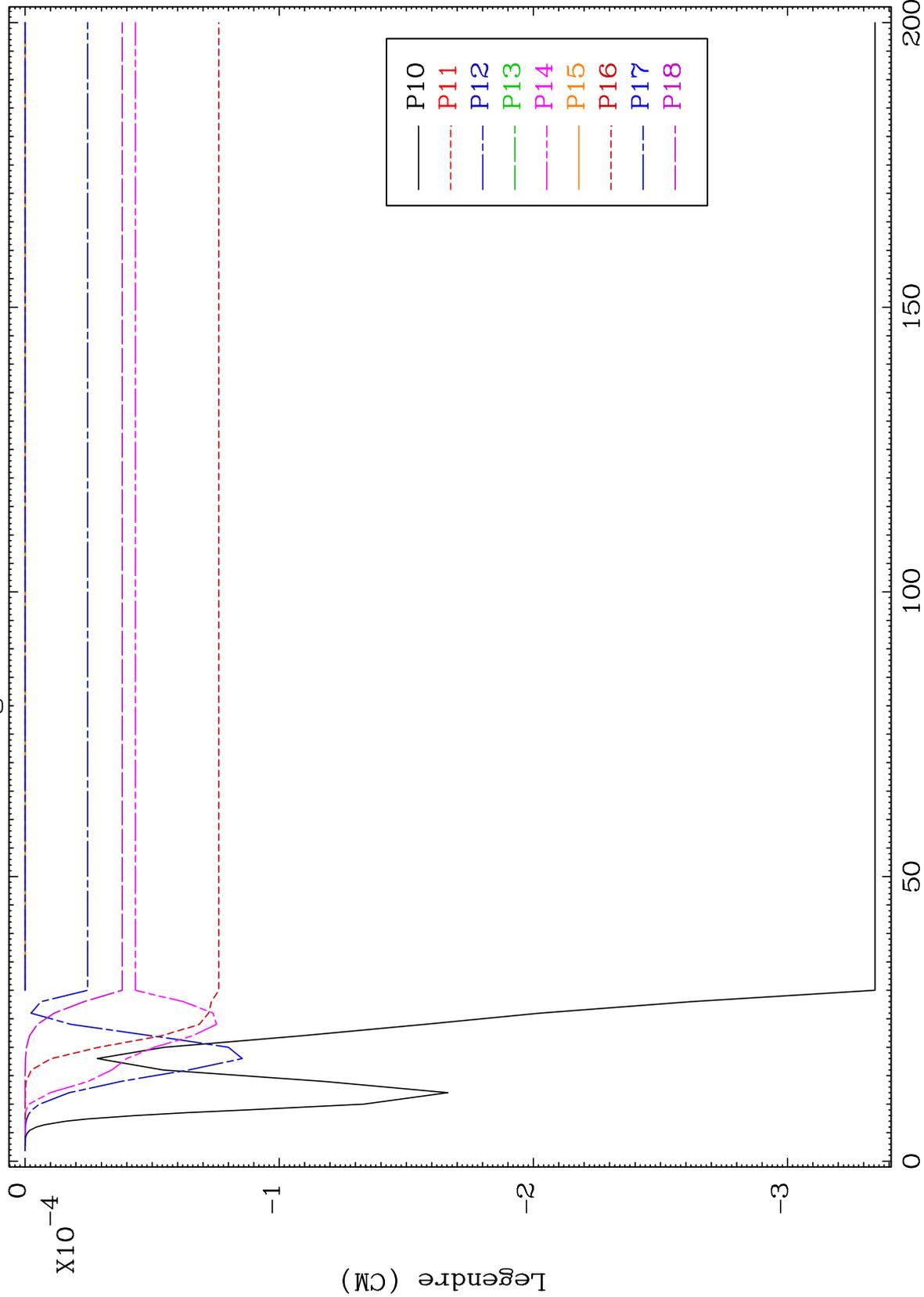
53-I -121

MAT 5307

MT= 67 (n,n') Level

53-I -121

Legendre Coefficients



75

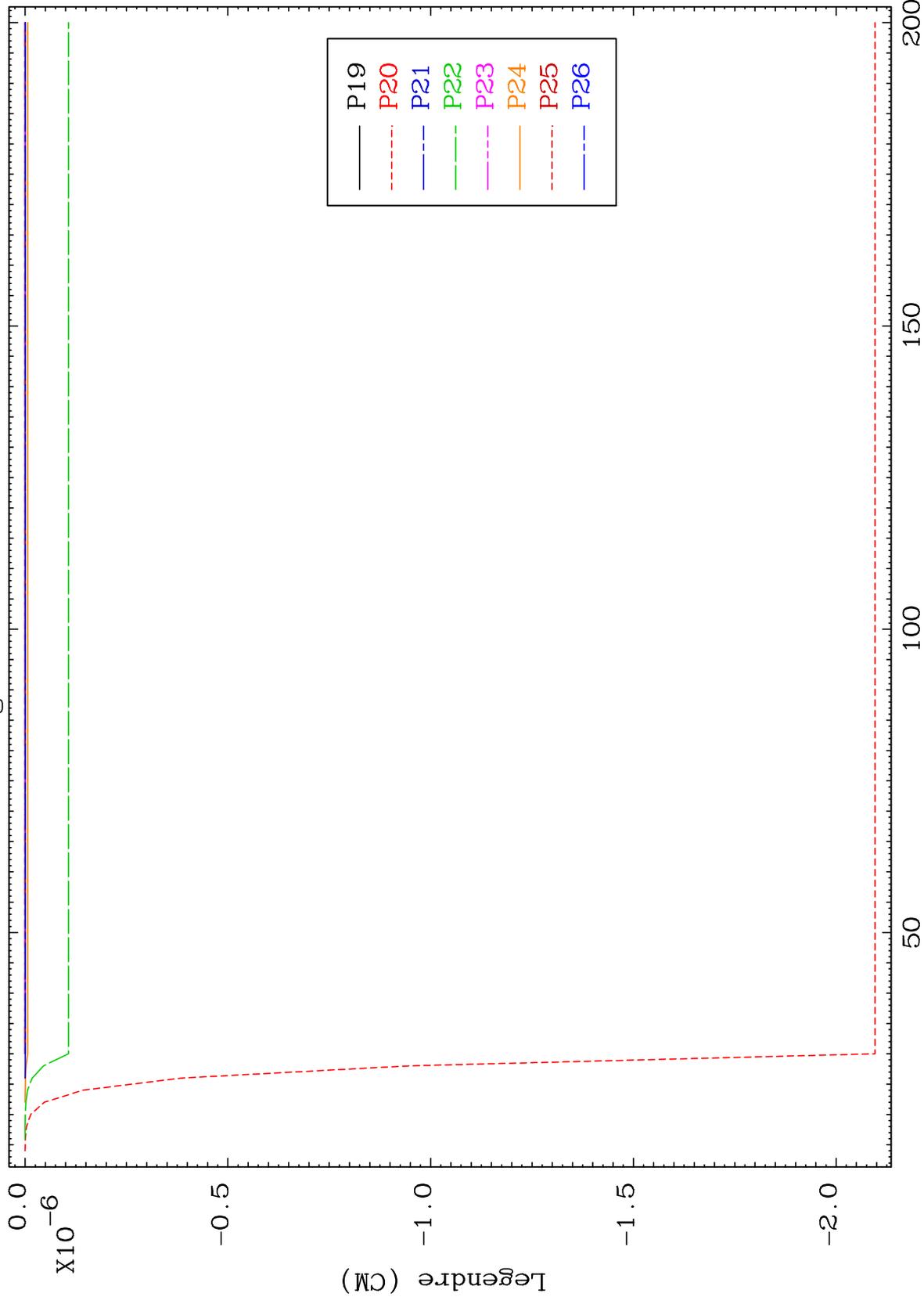
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



76

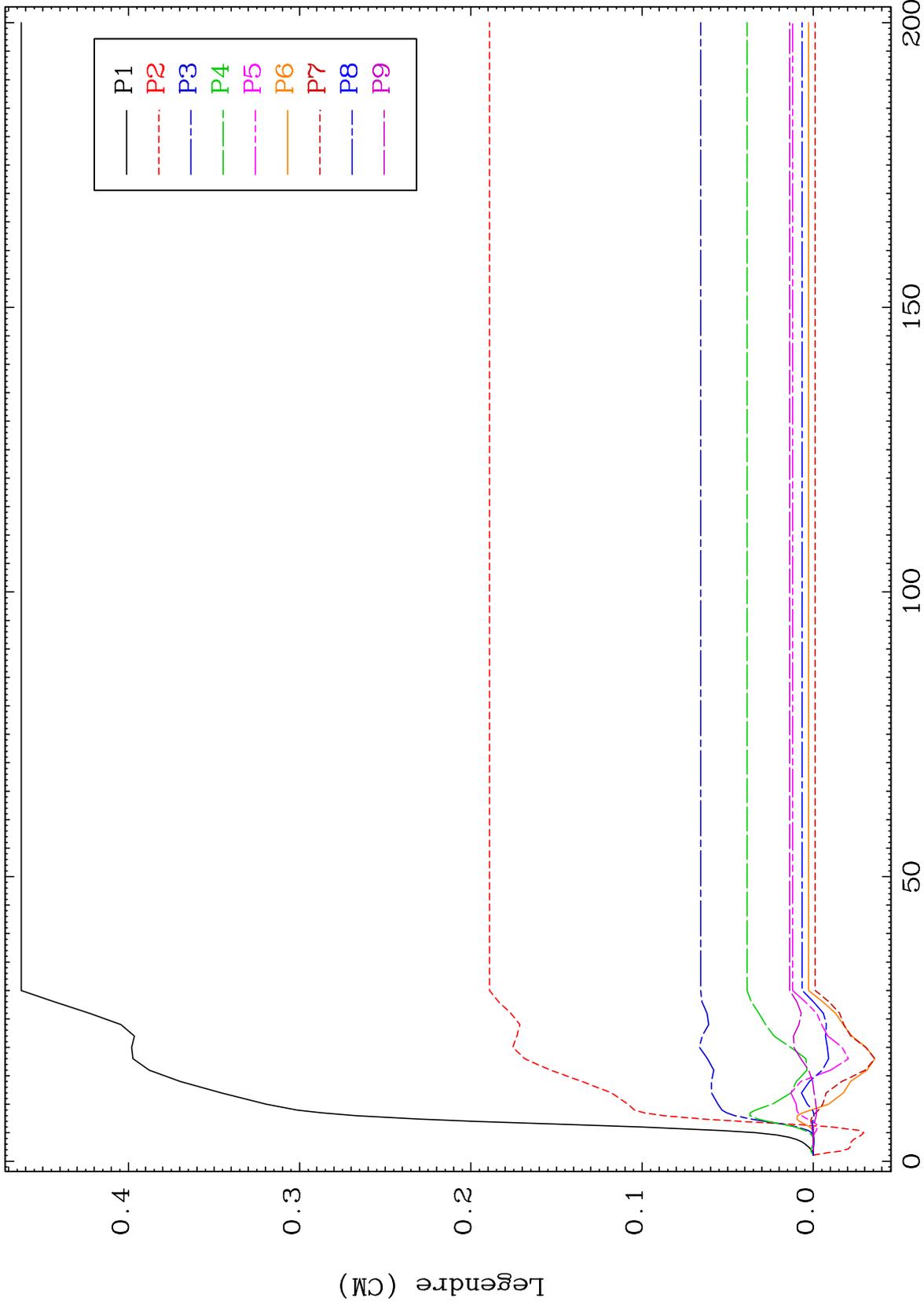
Incident Energy (MeV)

53-I -121

MAT 5307

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

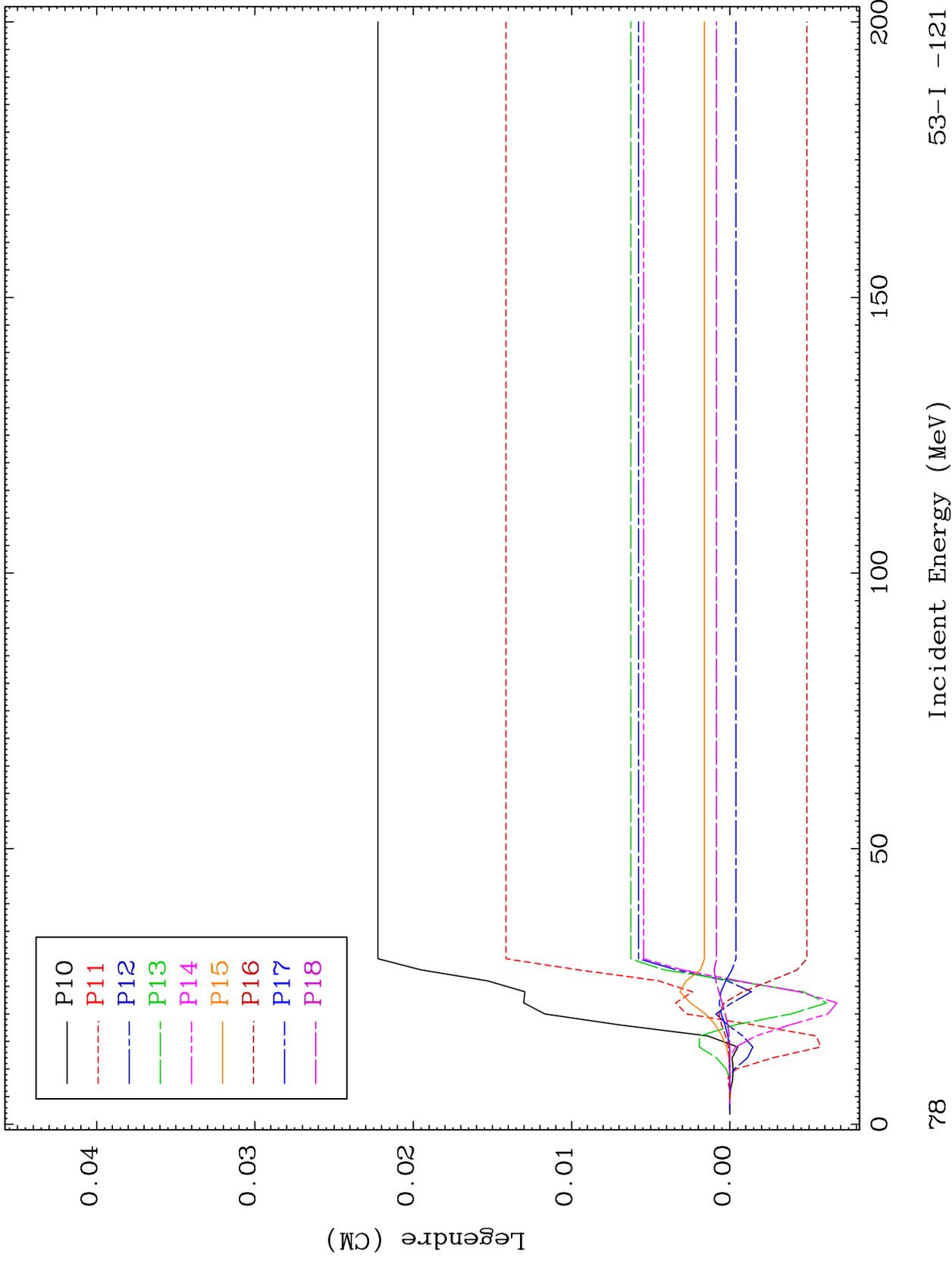
53-I -121

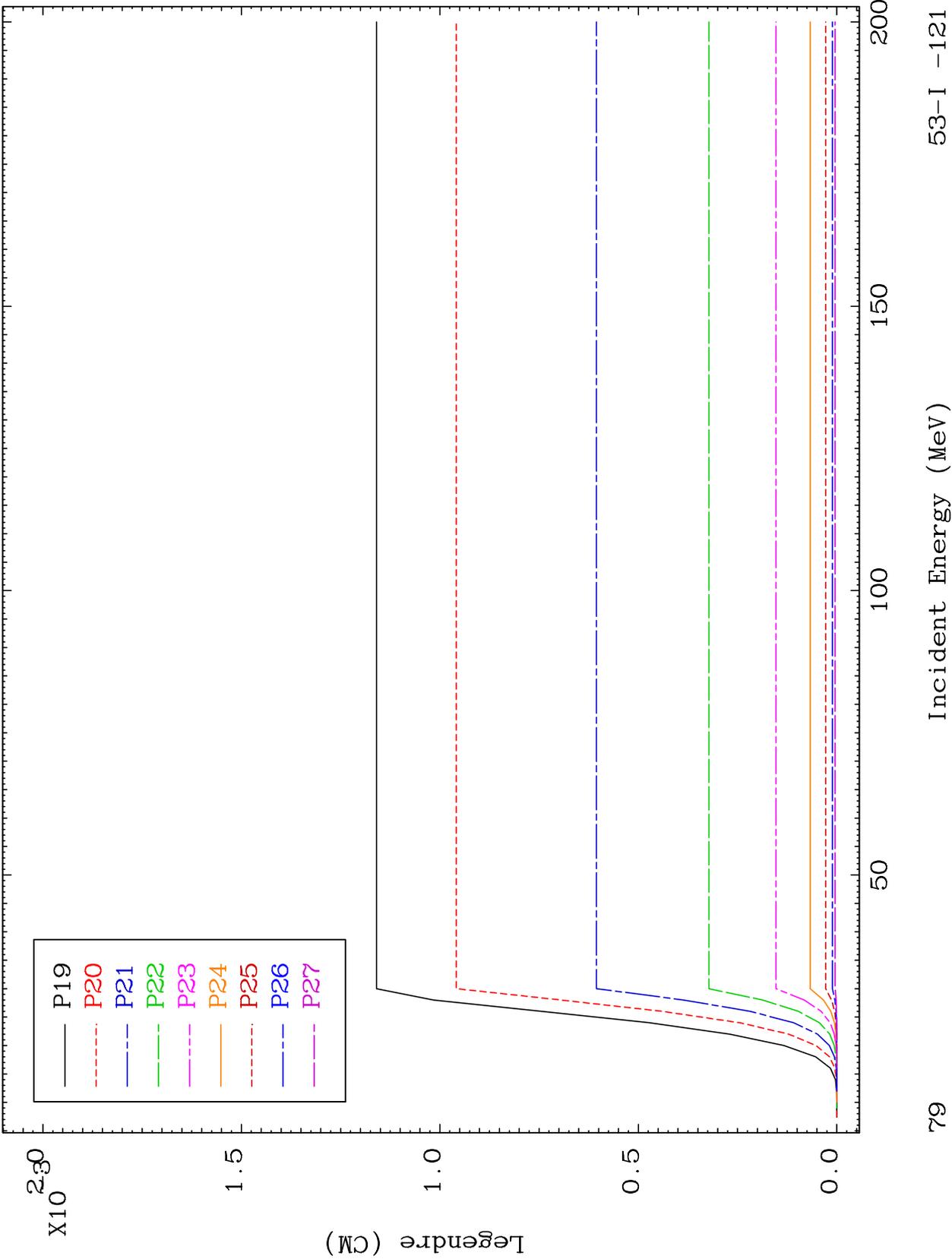


77

Incident Energy (MeV)

53-I -121

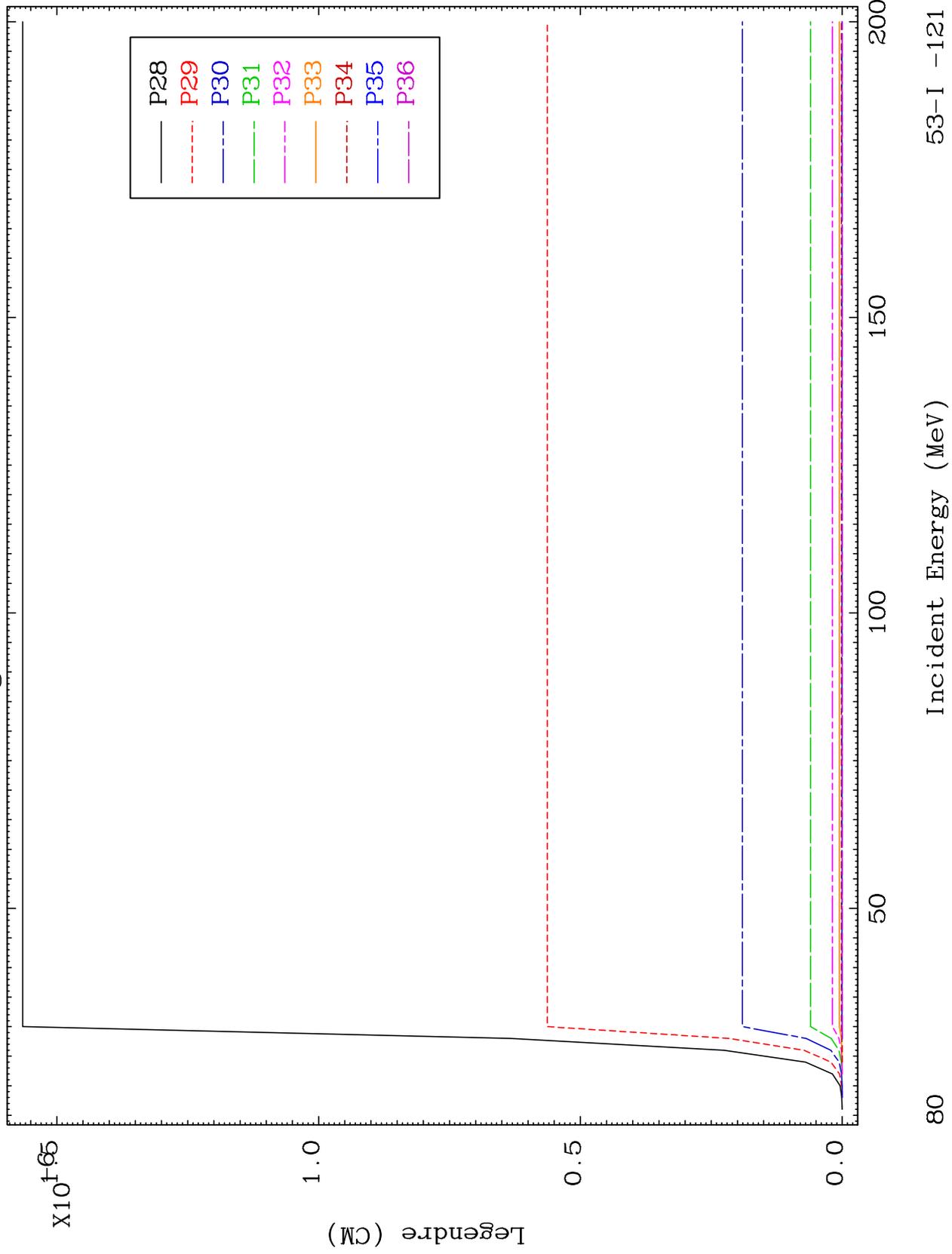




MAT 5307

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

53-I -121



80

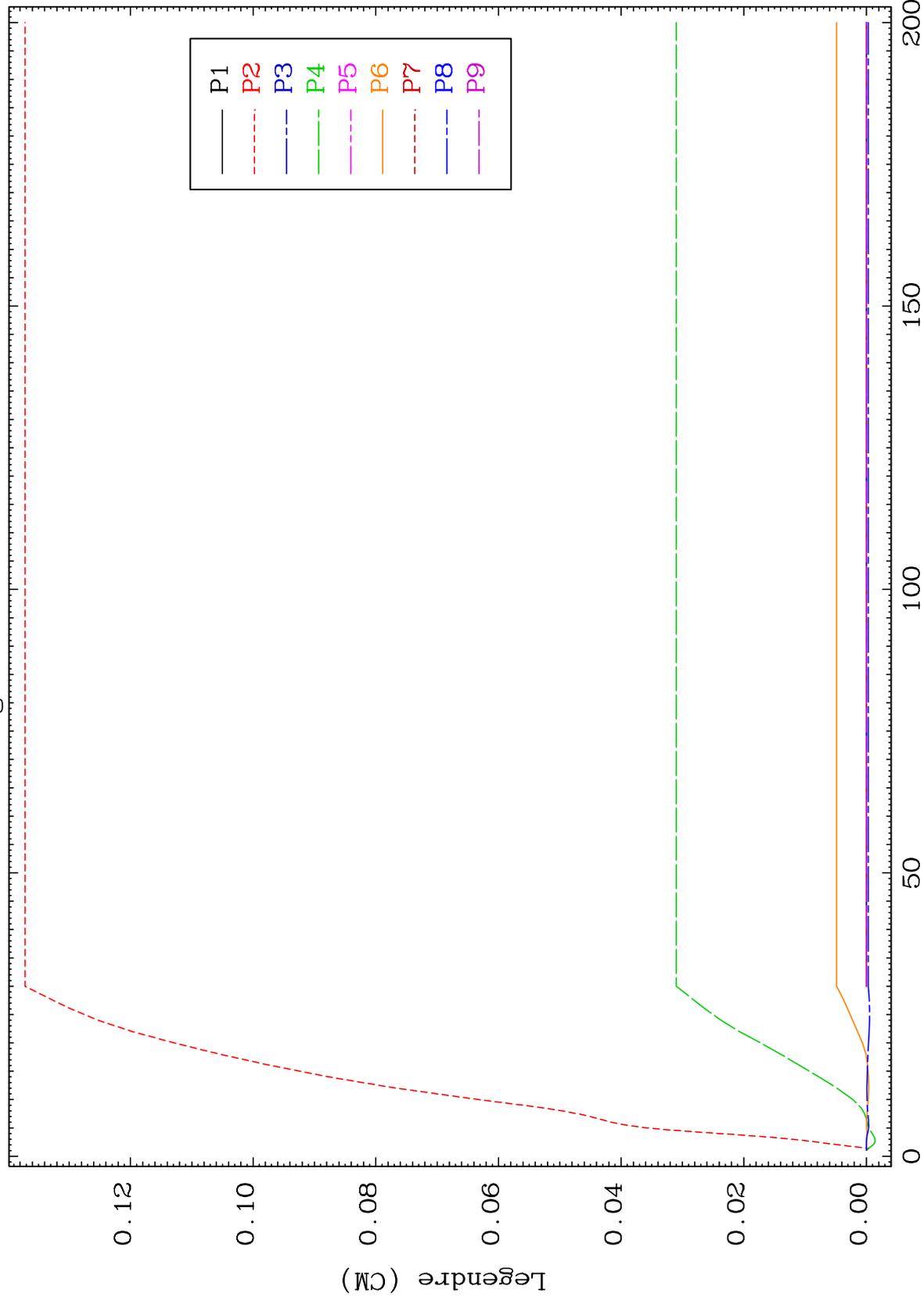
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



81

Incident Energy (MeV)

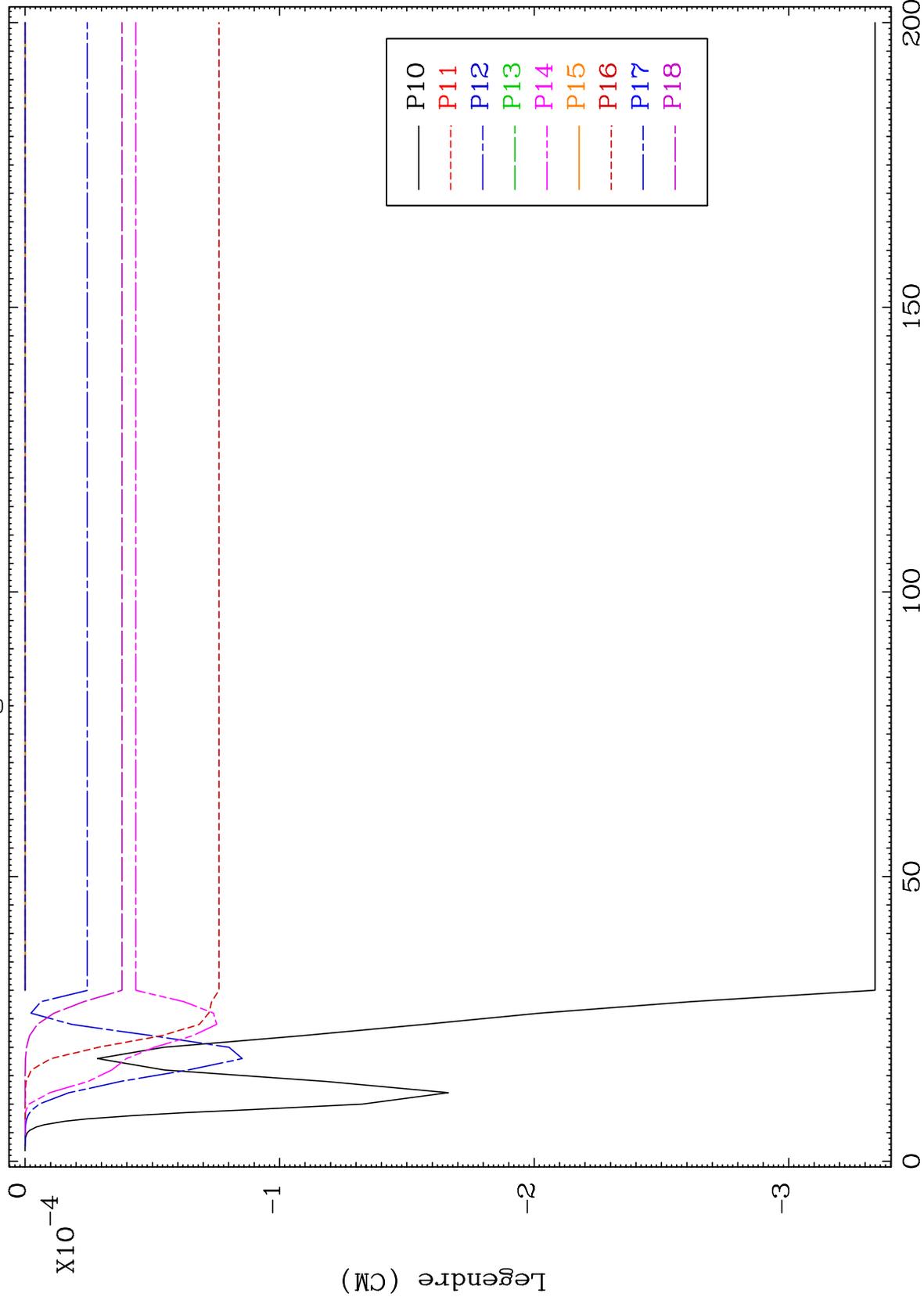
53-I -121

MAT 5307

MT= 69 (n,n') Level

53-I -121

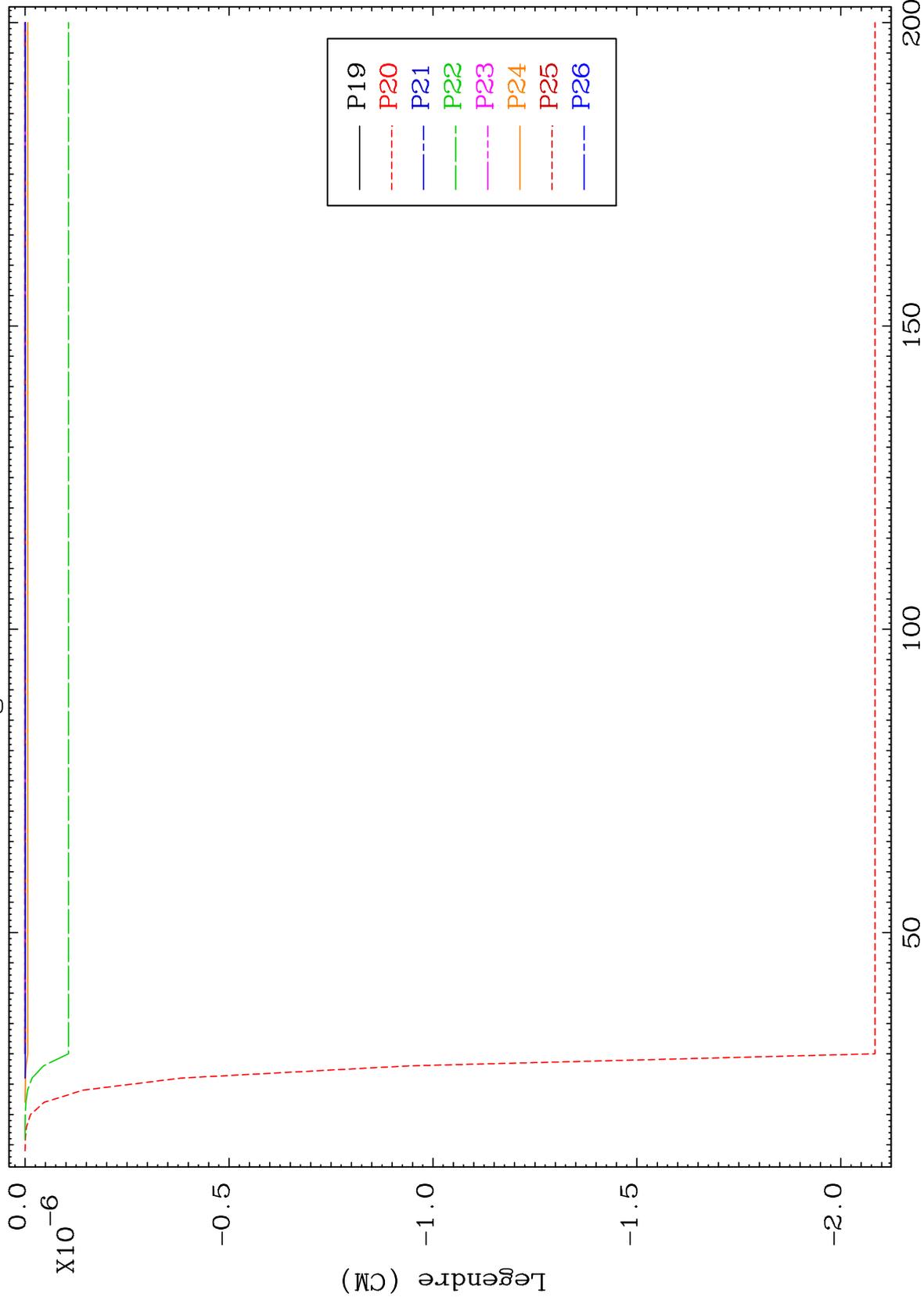
Legendre Coefficients



82

Incident Energy (MeV)

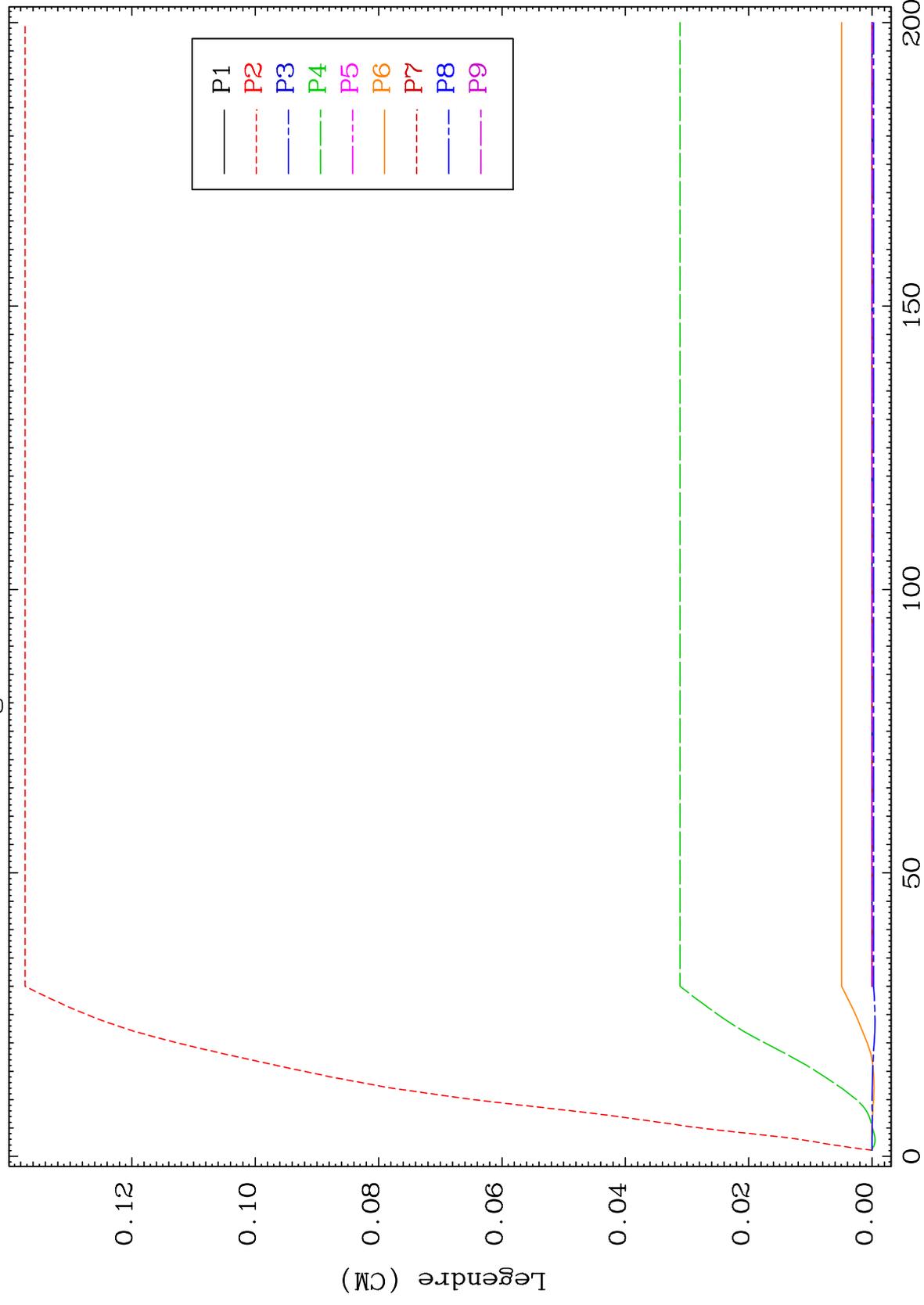
53-I -121



MAT 5307

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

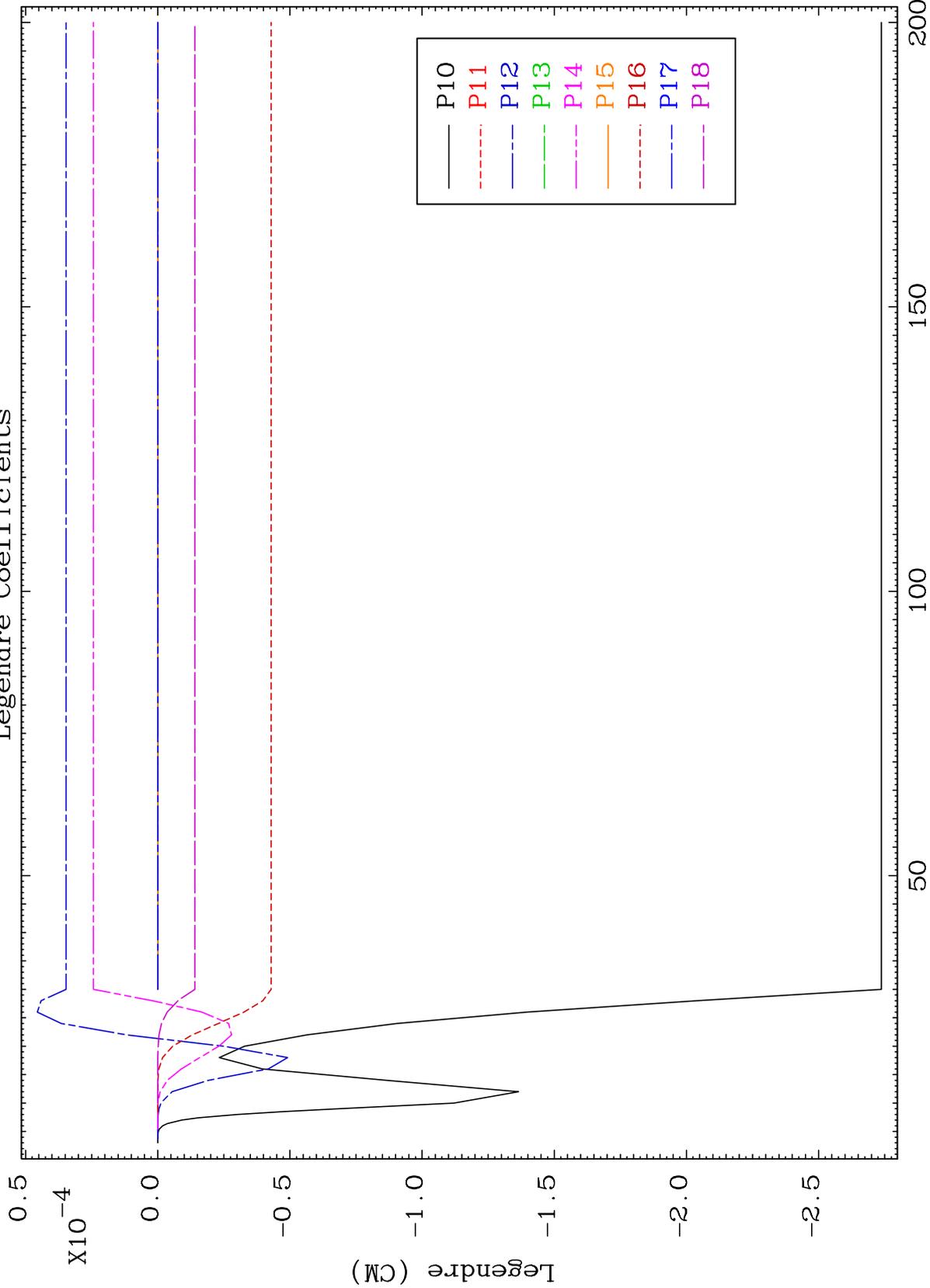
53-I -121



84

Incident Energy (MeV)

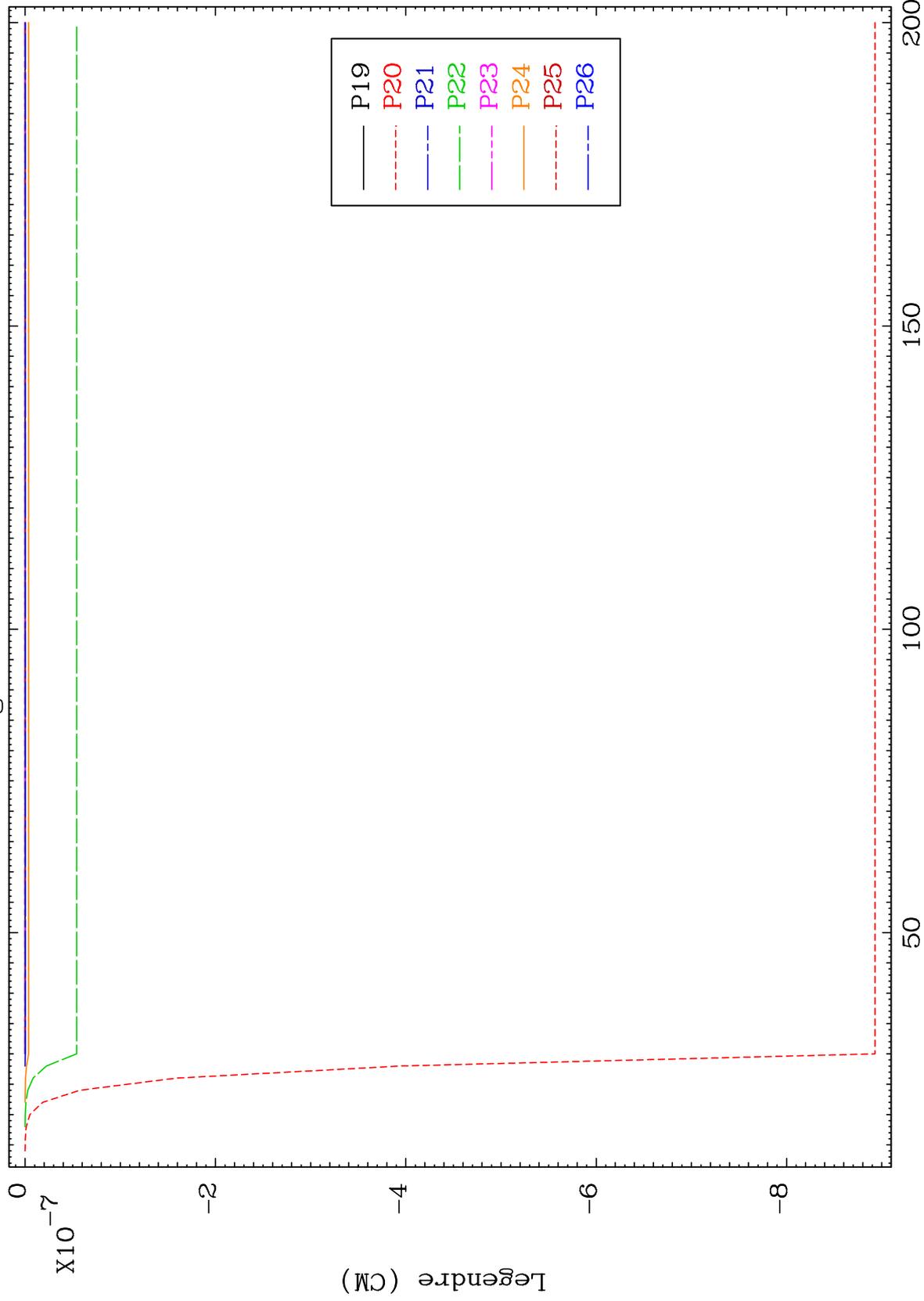
53-I -121



MAT 5307

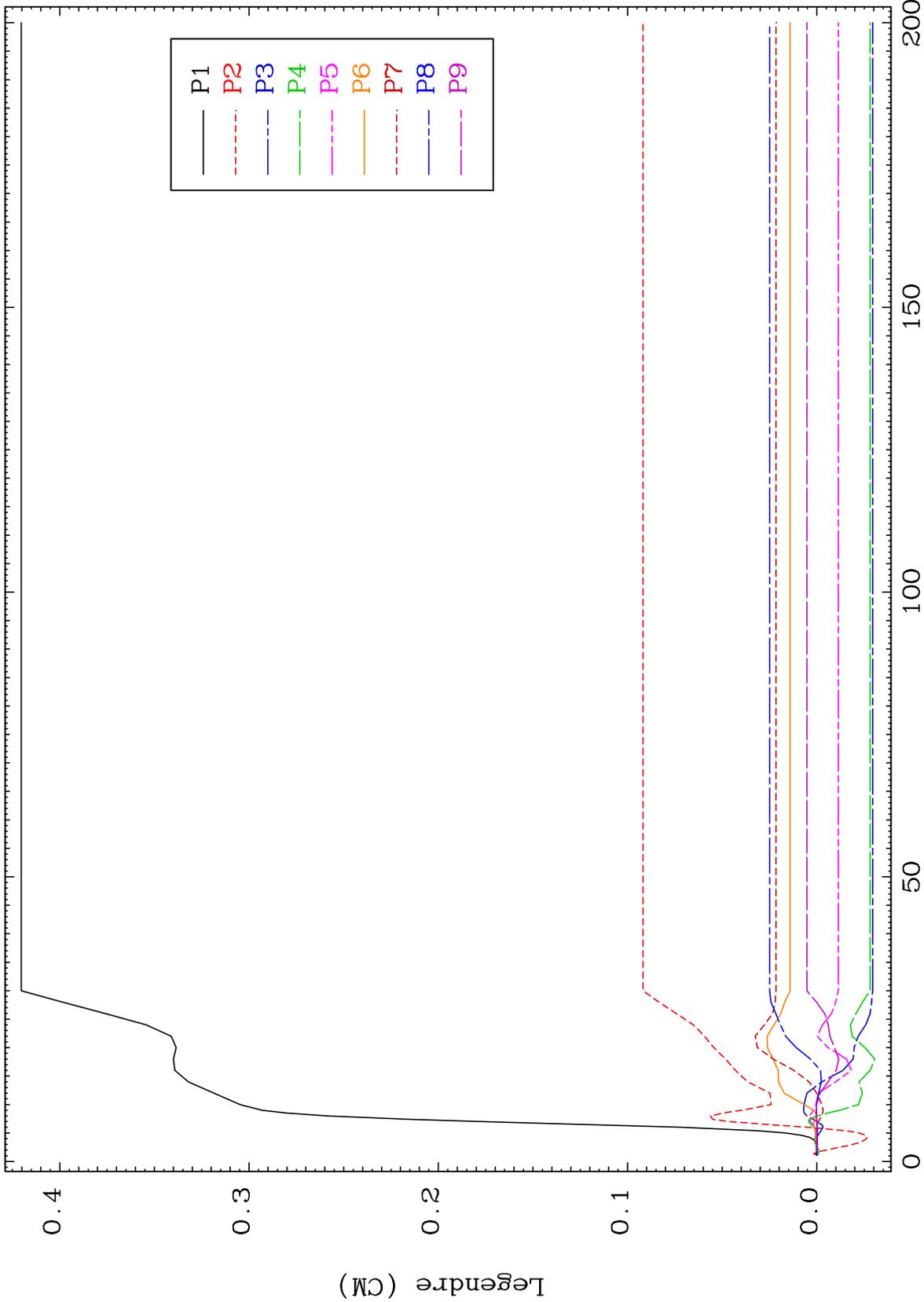
MT= 70 (n,n') Level
Legendre Coefficients

53-I -121



86

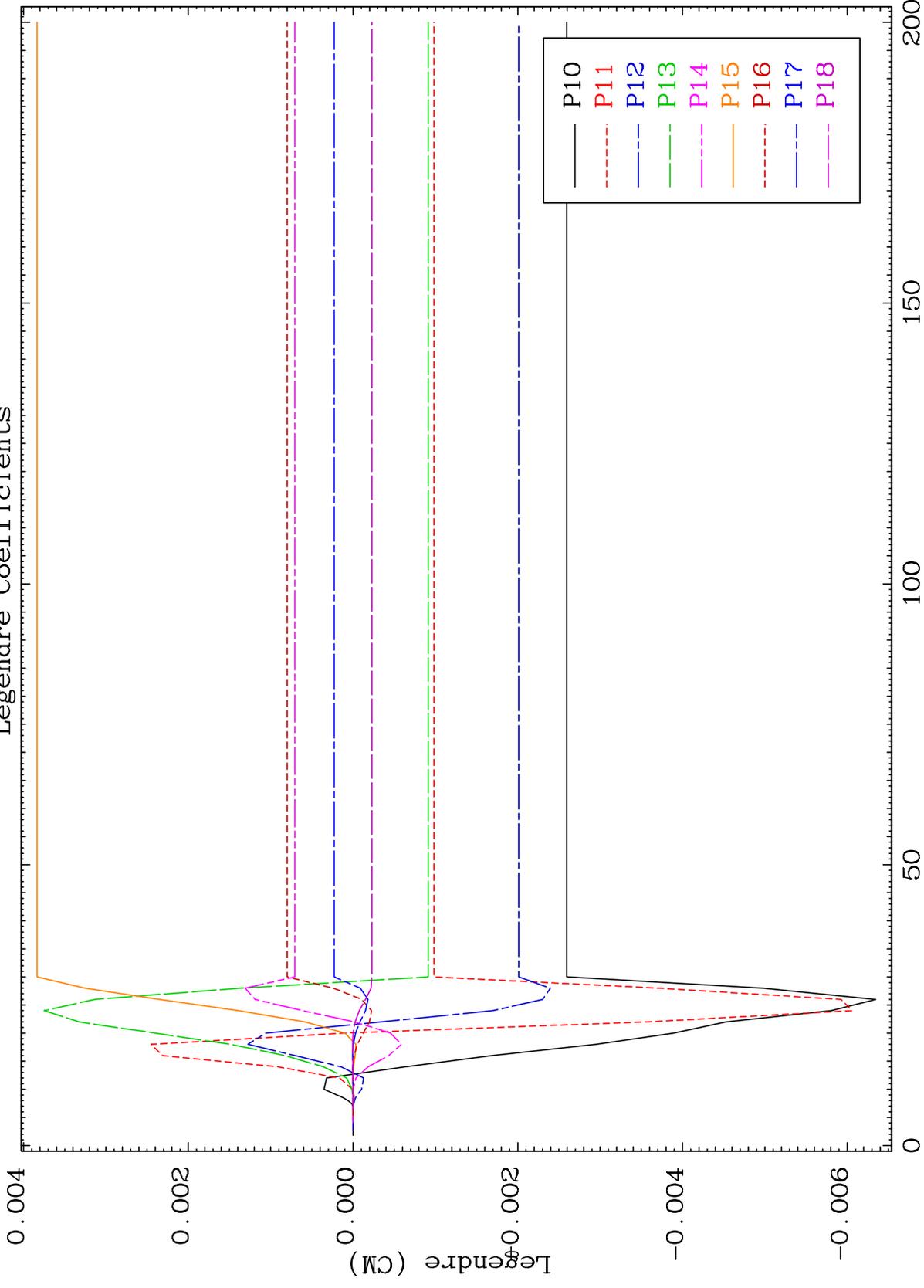
53-I -121



MAT 5307

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

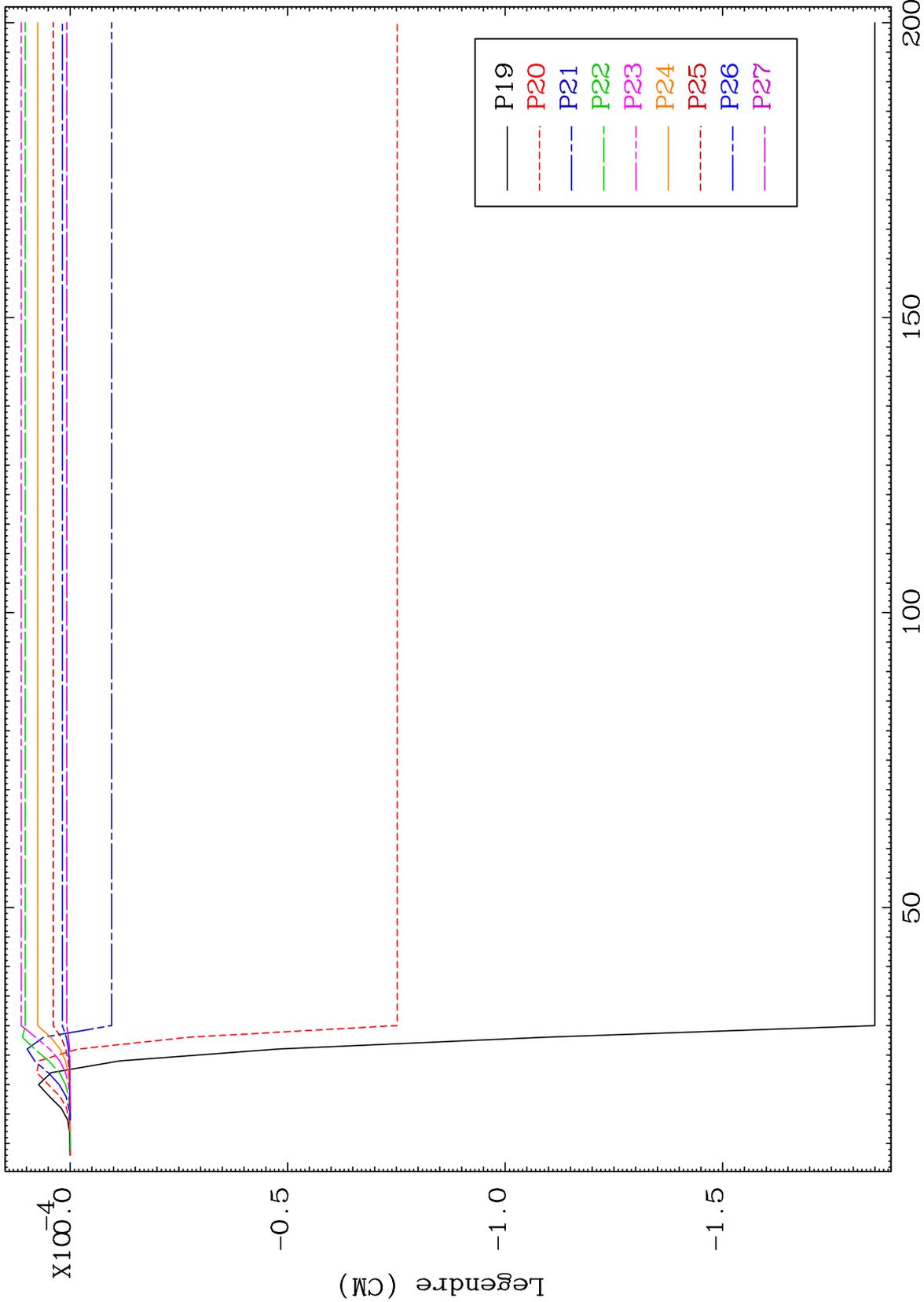
53-I -121



88

Incident Energy (MeV)

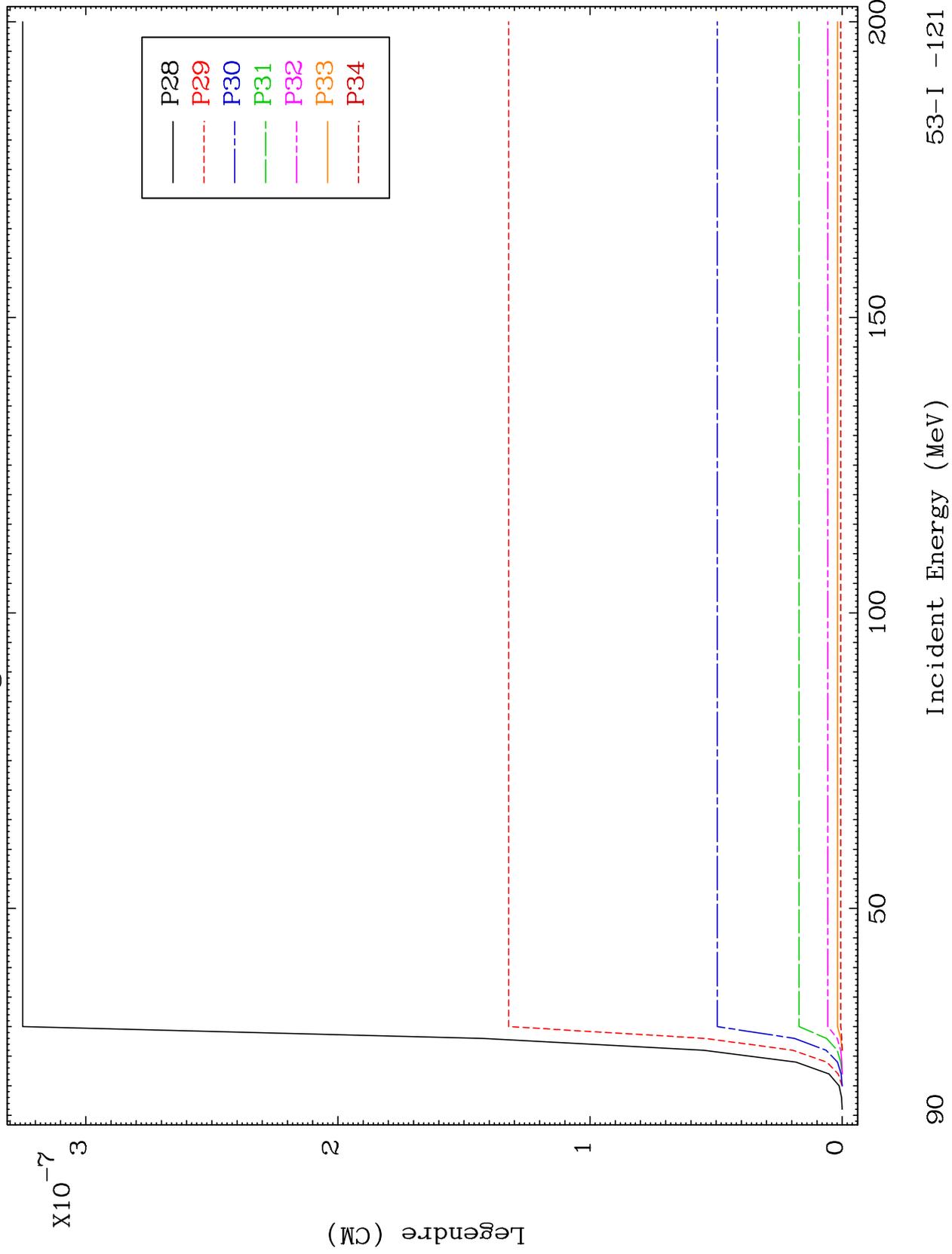
53-I -121



MAT 5307

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

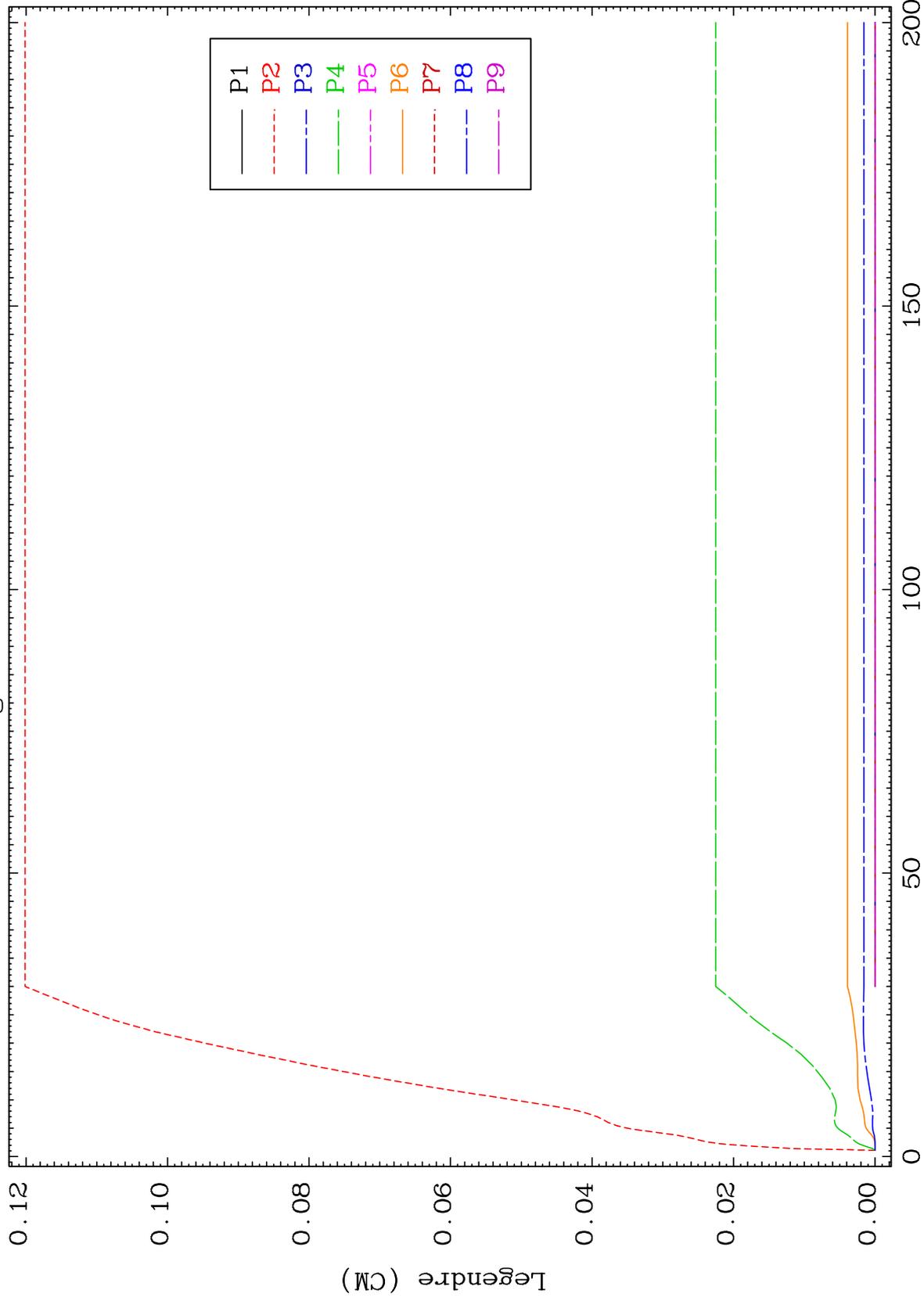
53-I -121



MAT 5307

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

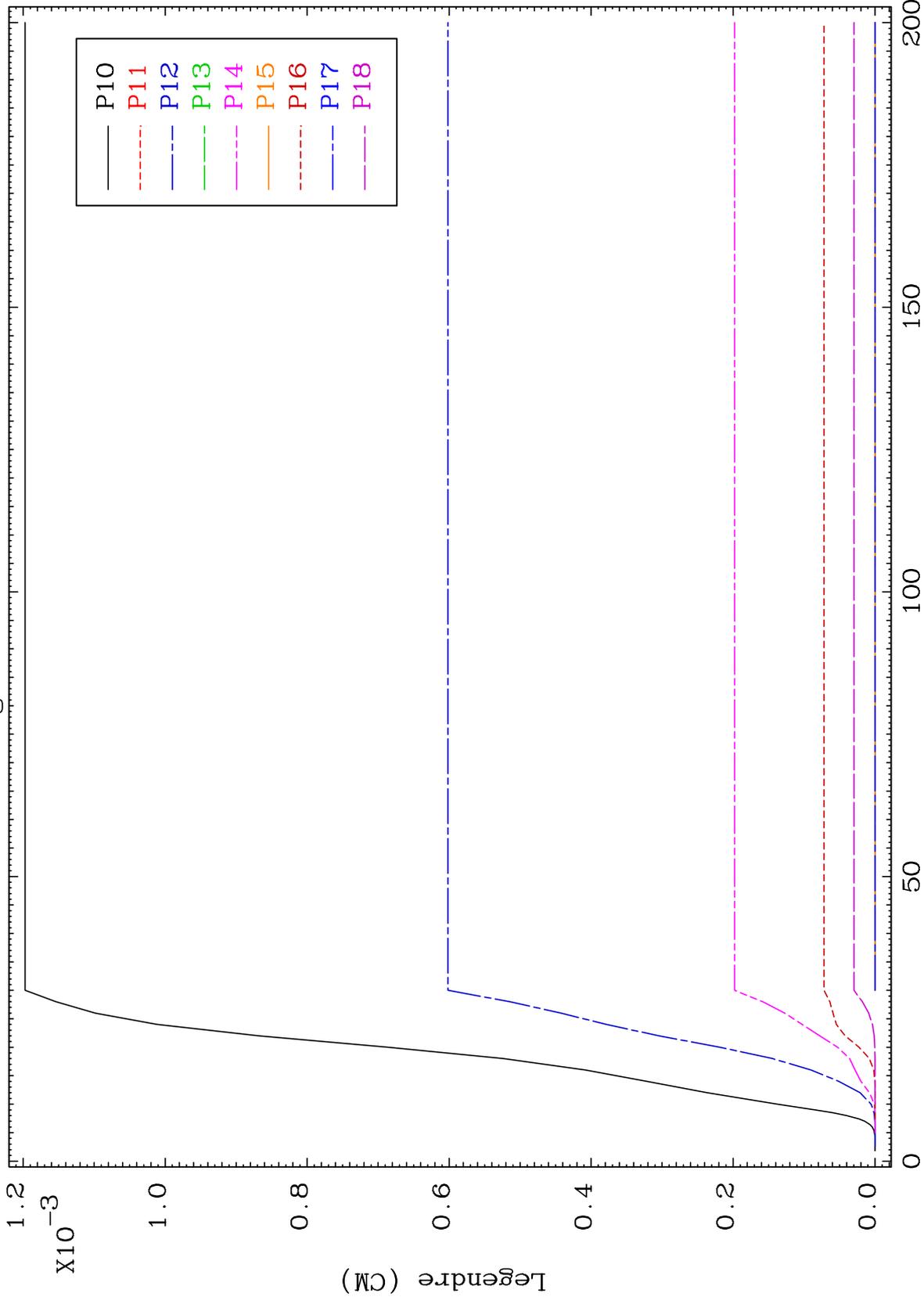
53-I -121



91

Incident Energy (MeV)

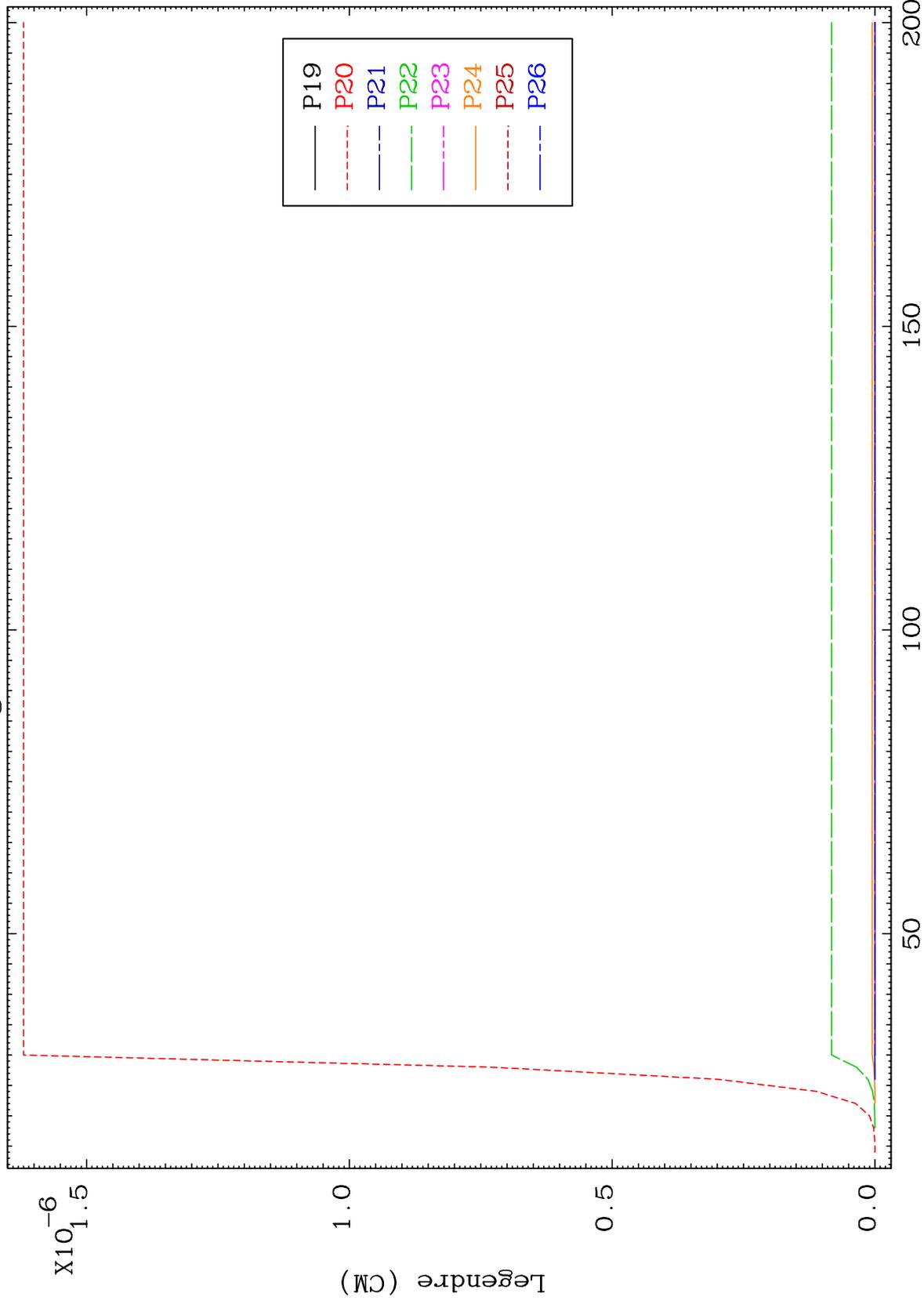
53-I -121



MAT 5307

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

53-I -121



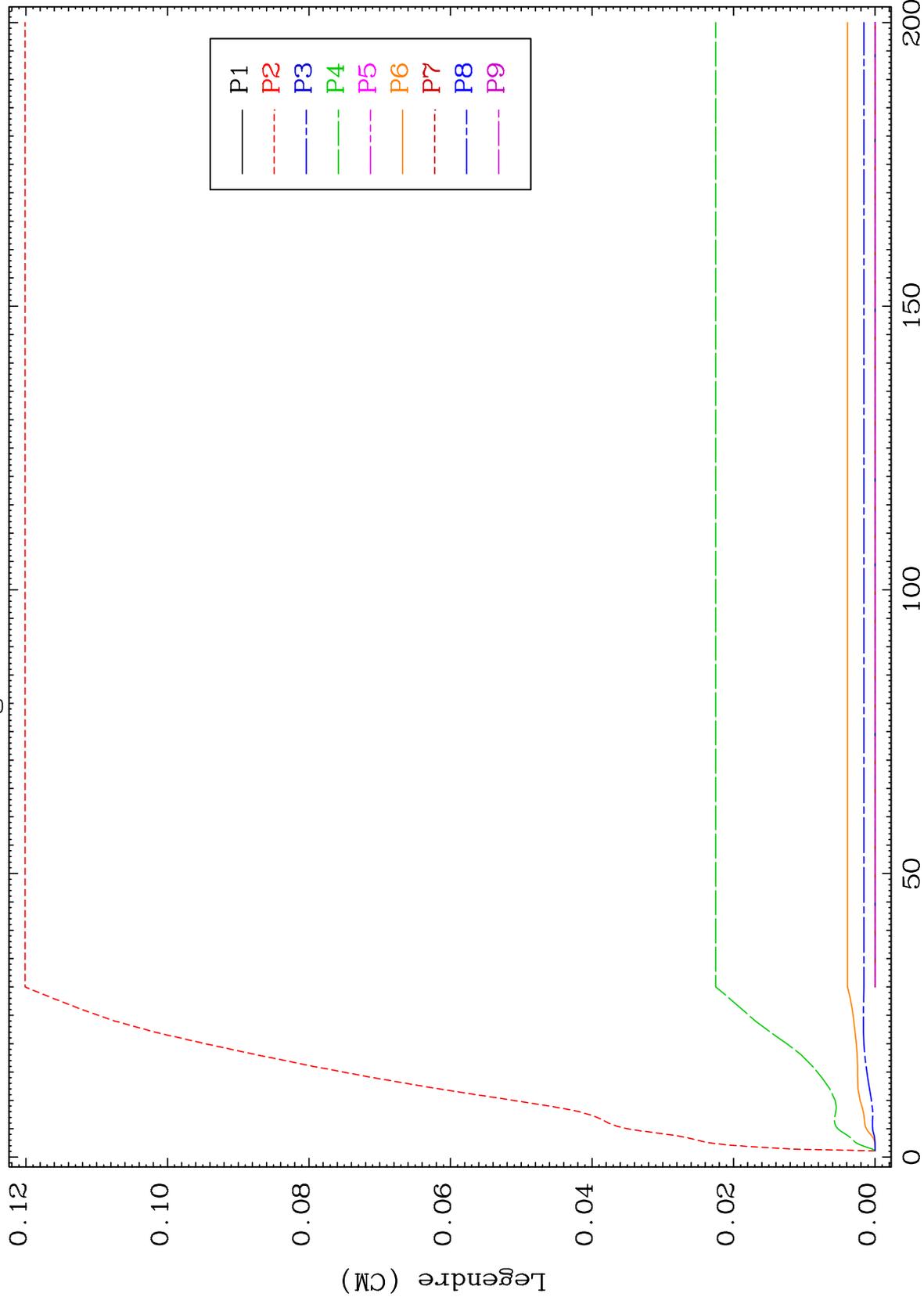
93

53-I -121

MAT 5307

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

53-I -121



94

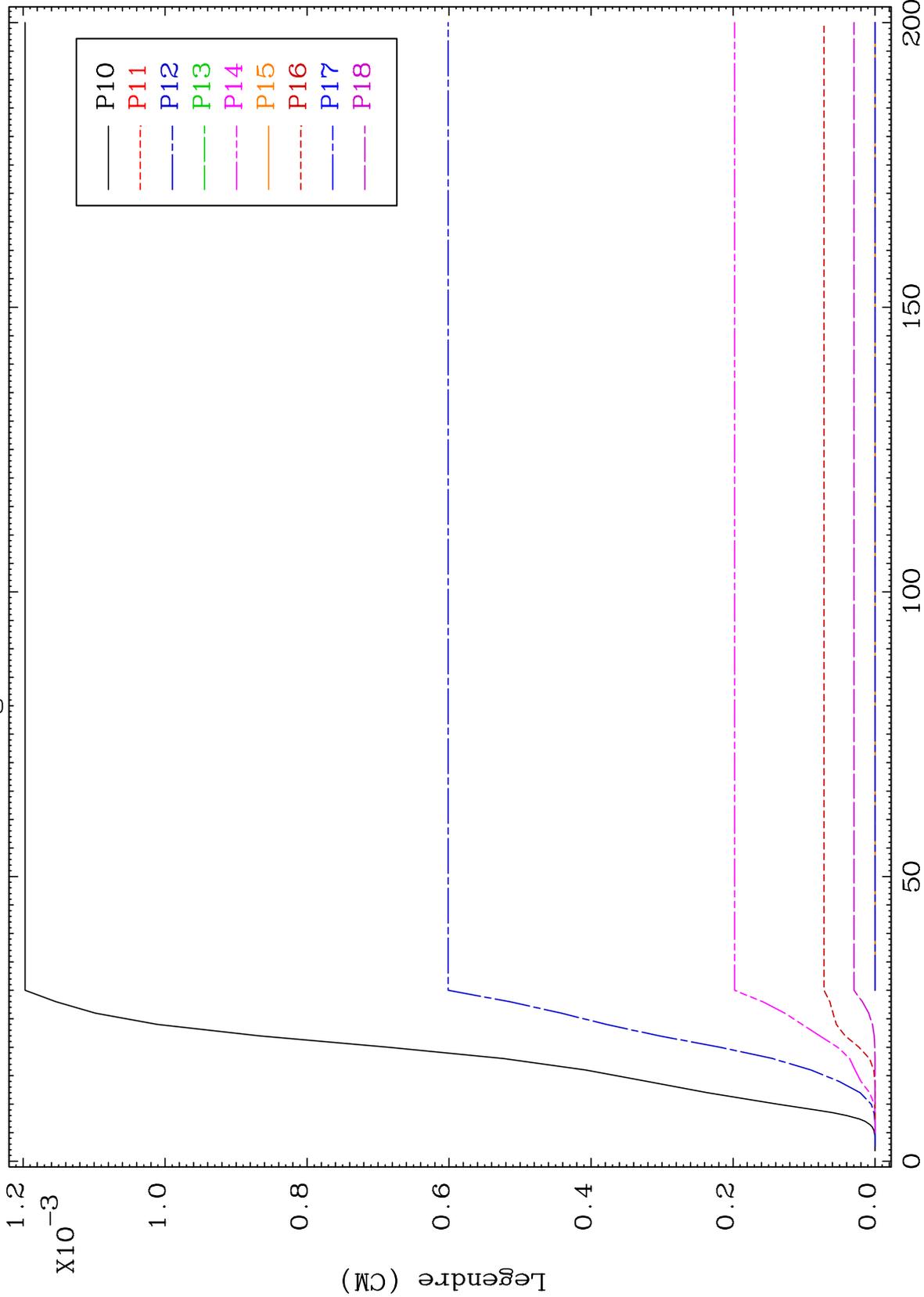
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



95

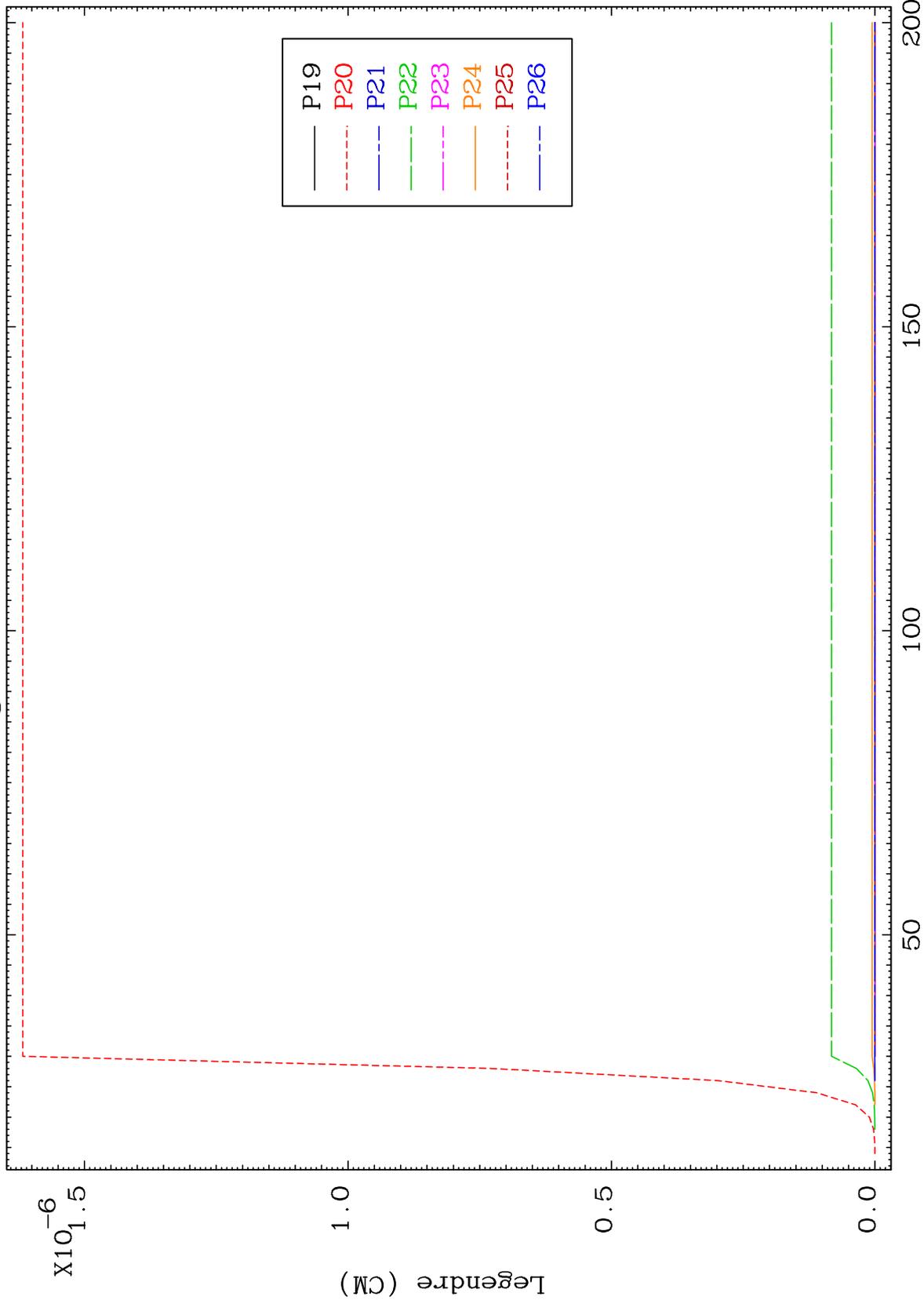
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



96

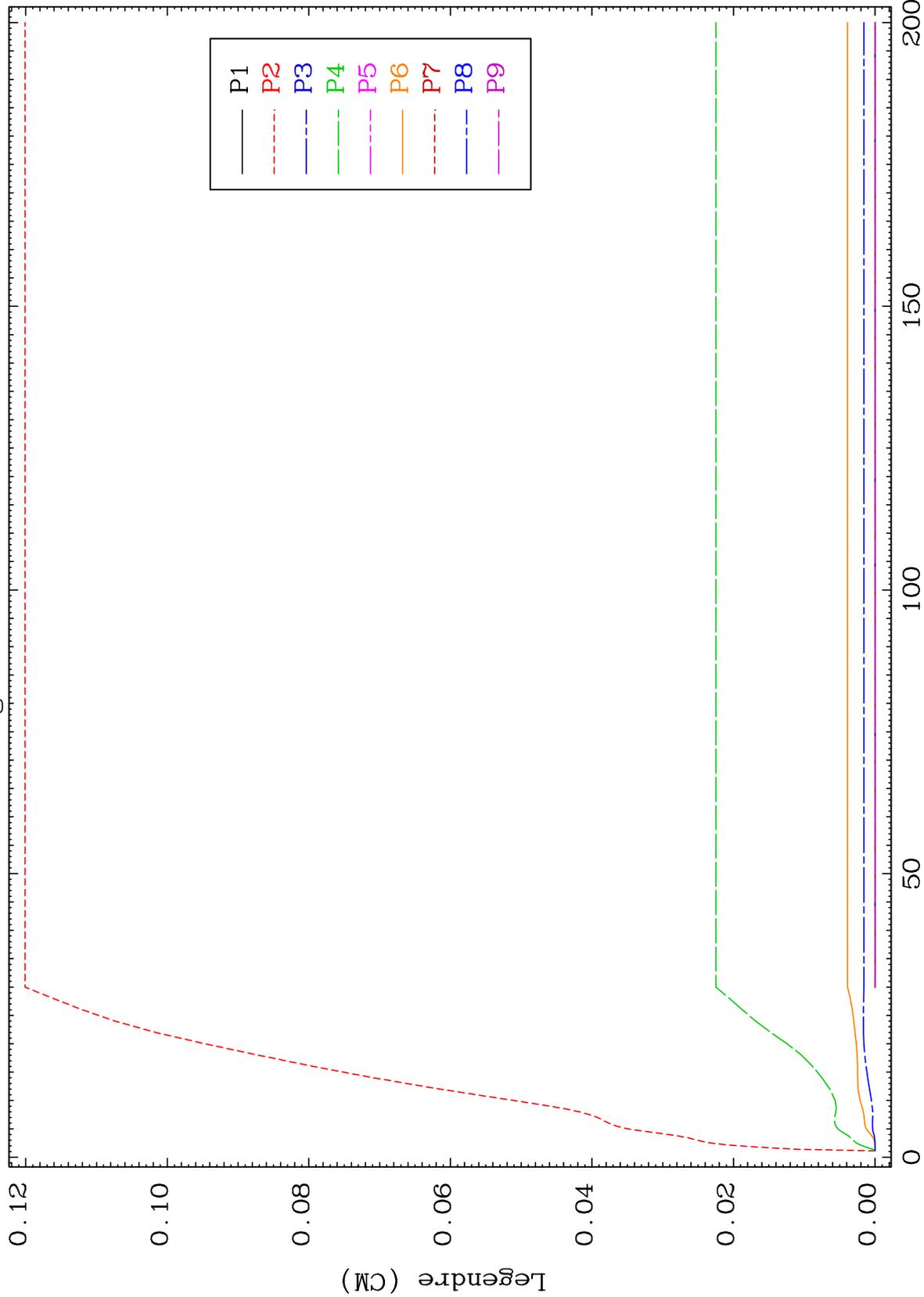
Incident Energy (MeV)

53-I -121

MAT 5307

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

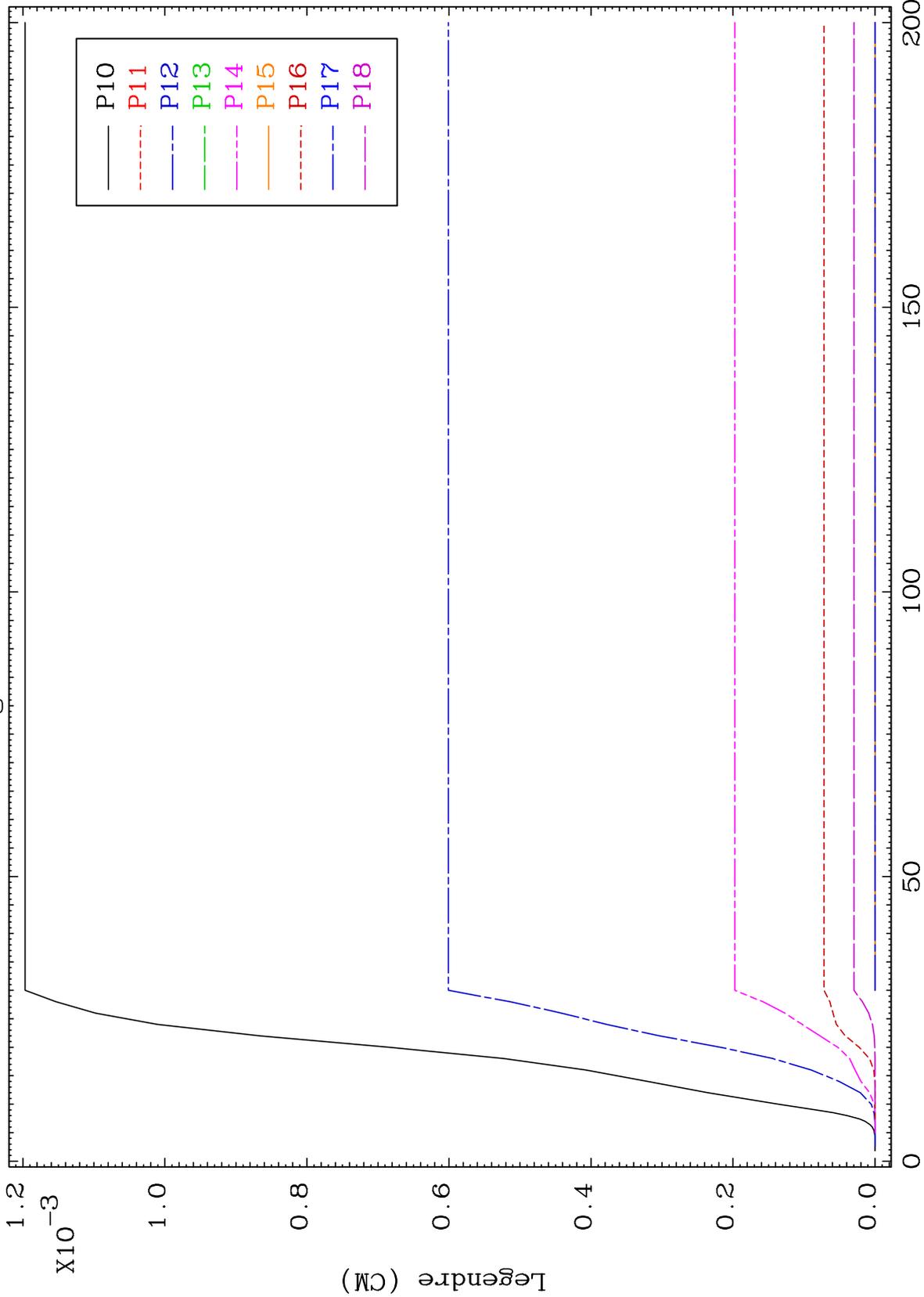
53-I -121



97

Incident Energy (MeV)

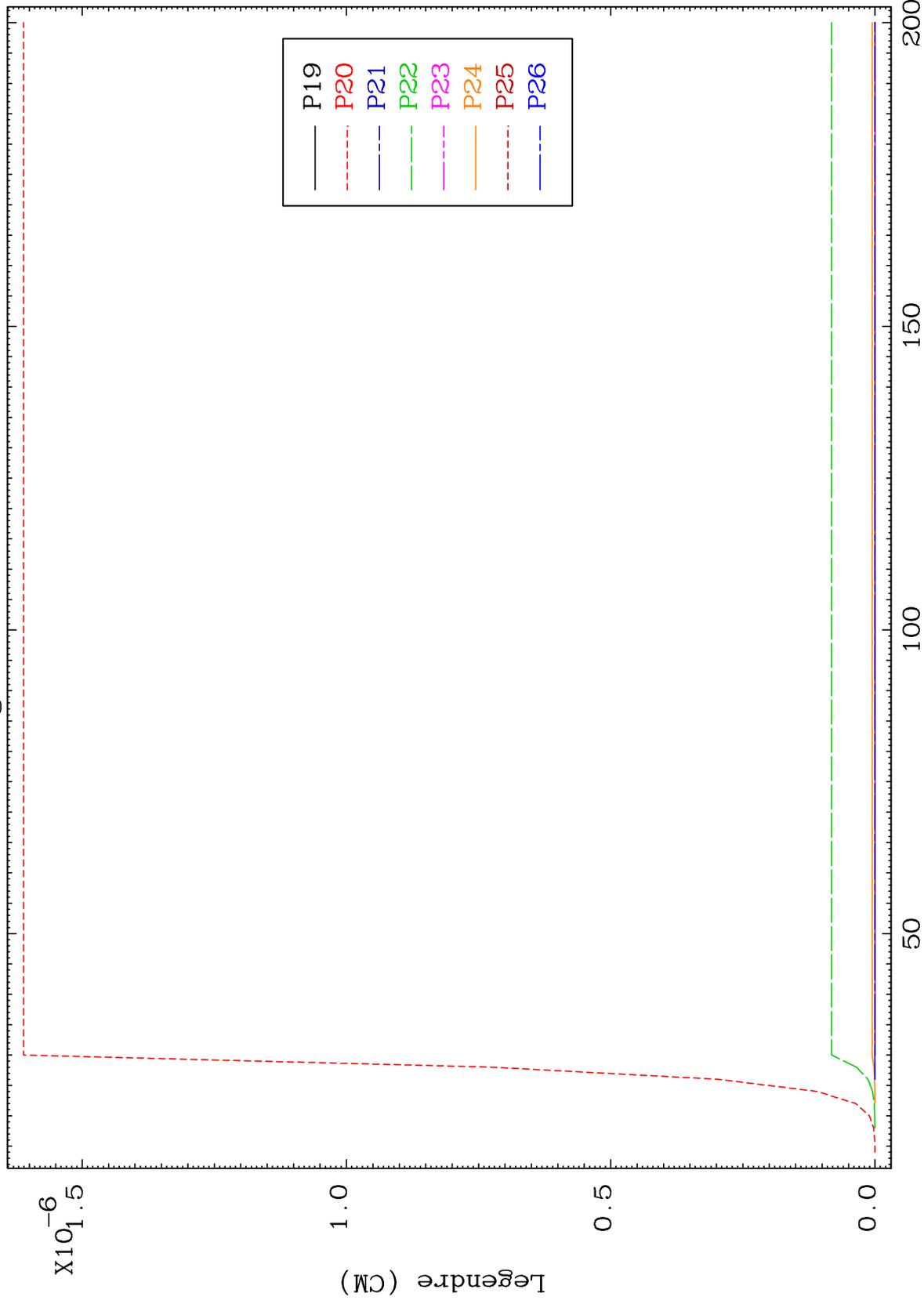
53-I -121



MAT 5307

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

53-I -121



99

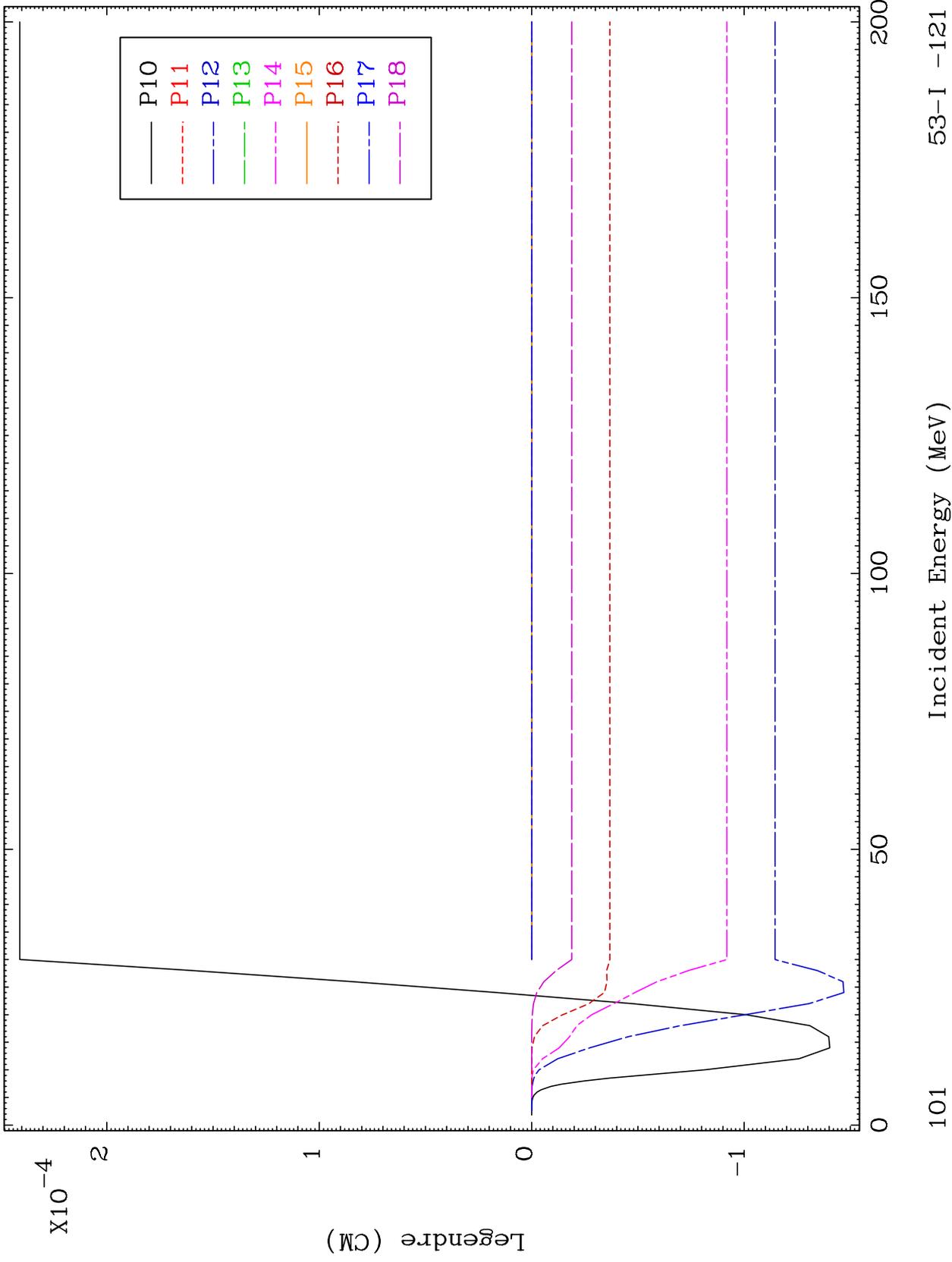
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



101

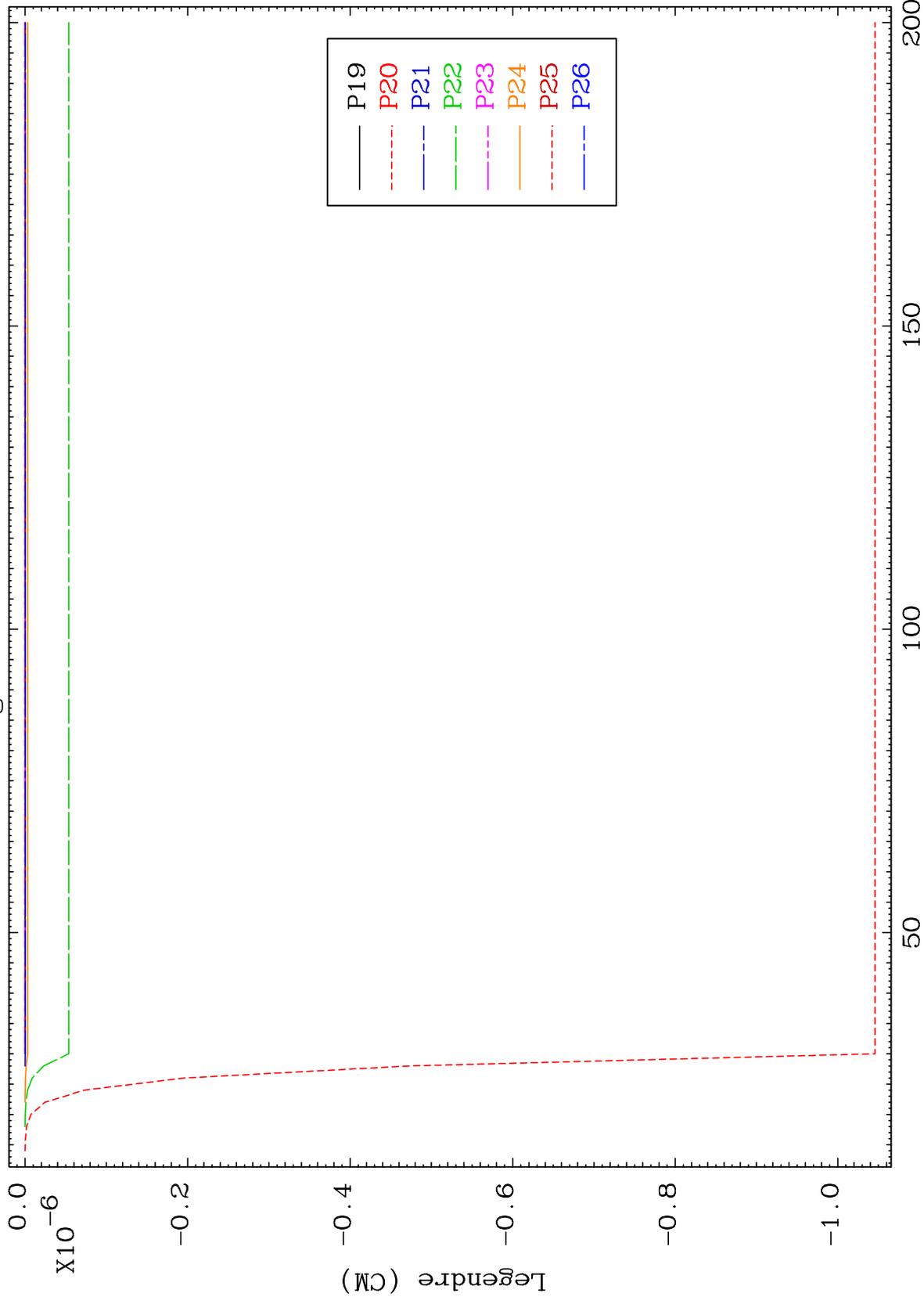
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



102

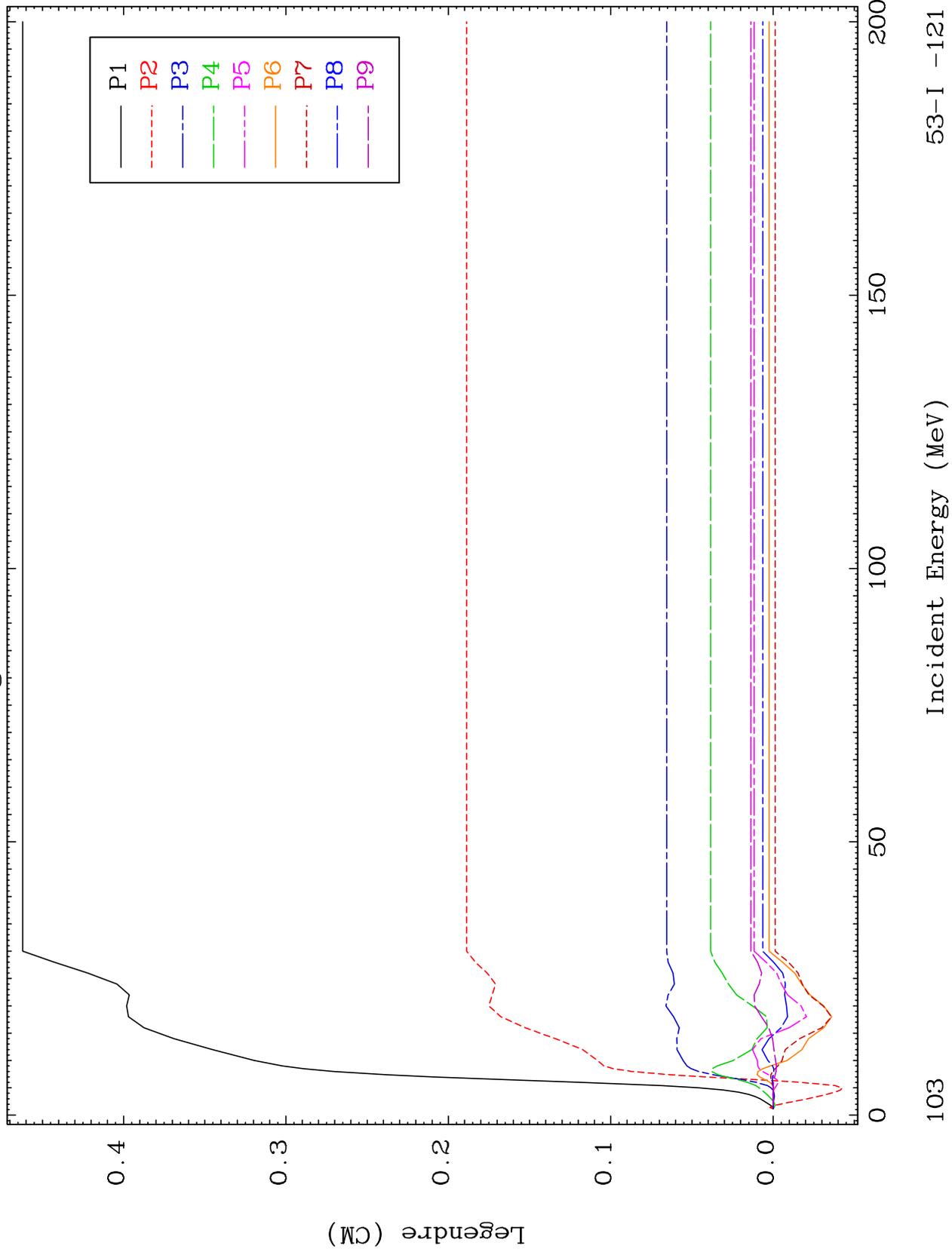
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



53-I -121

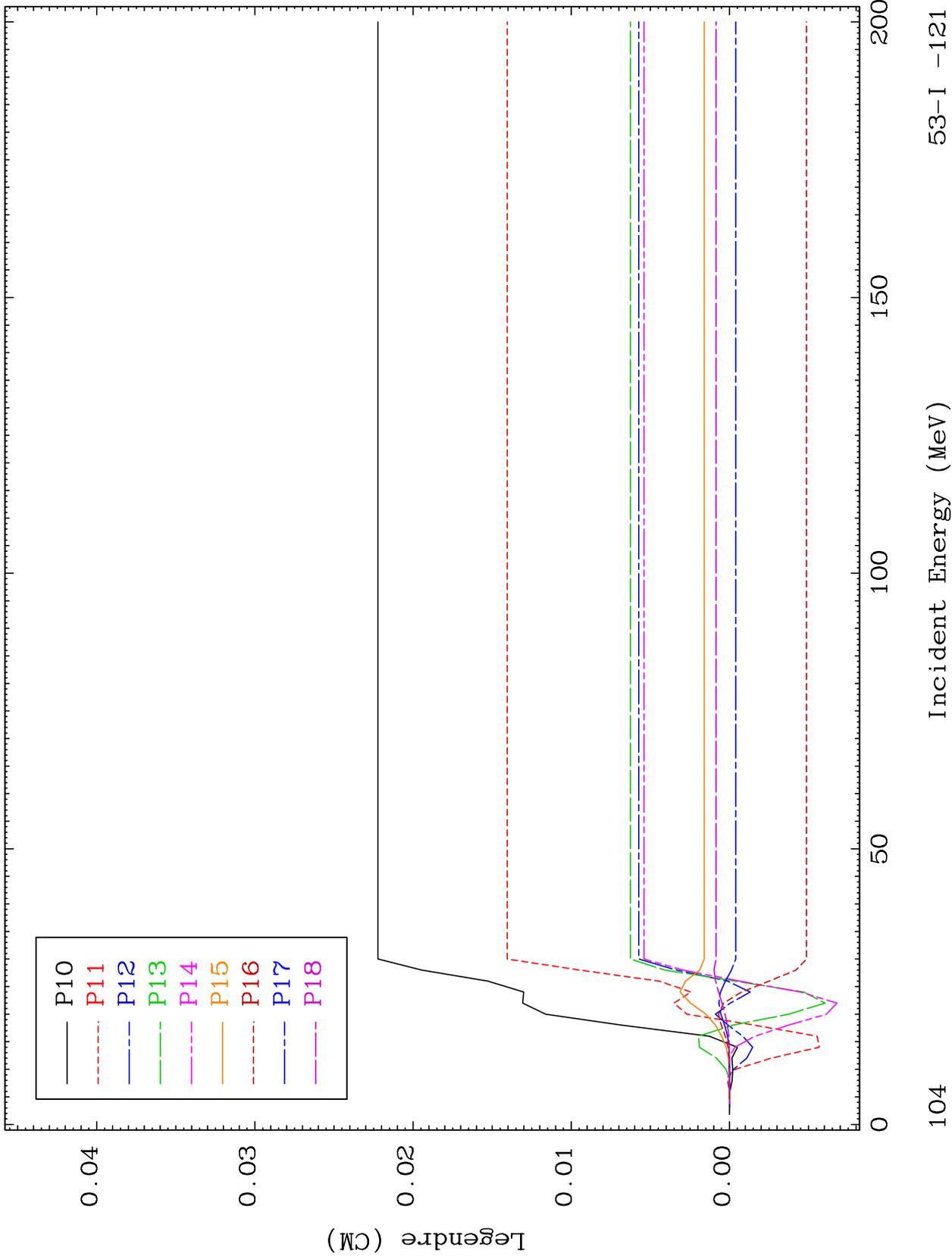
Incident Energy (MeV)

103

MAT 5307

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

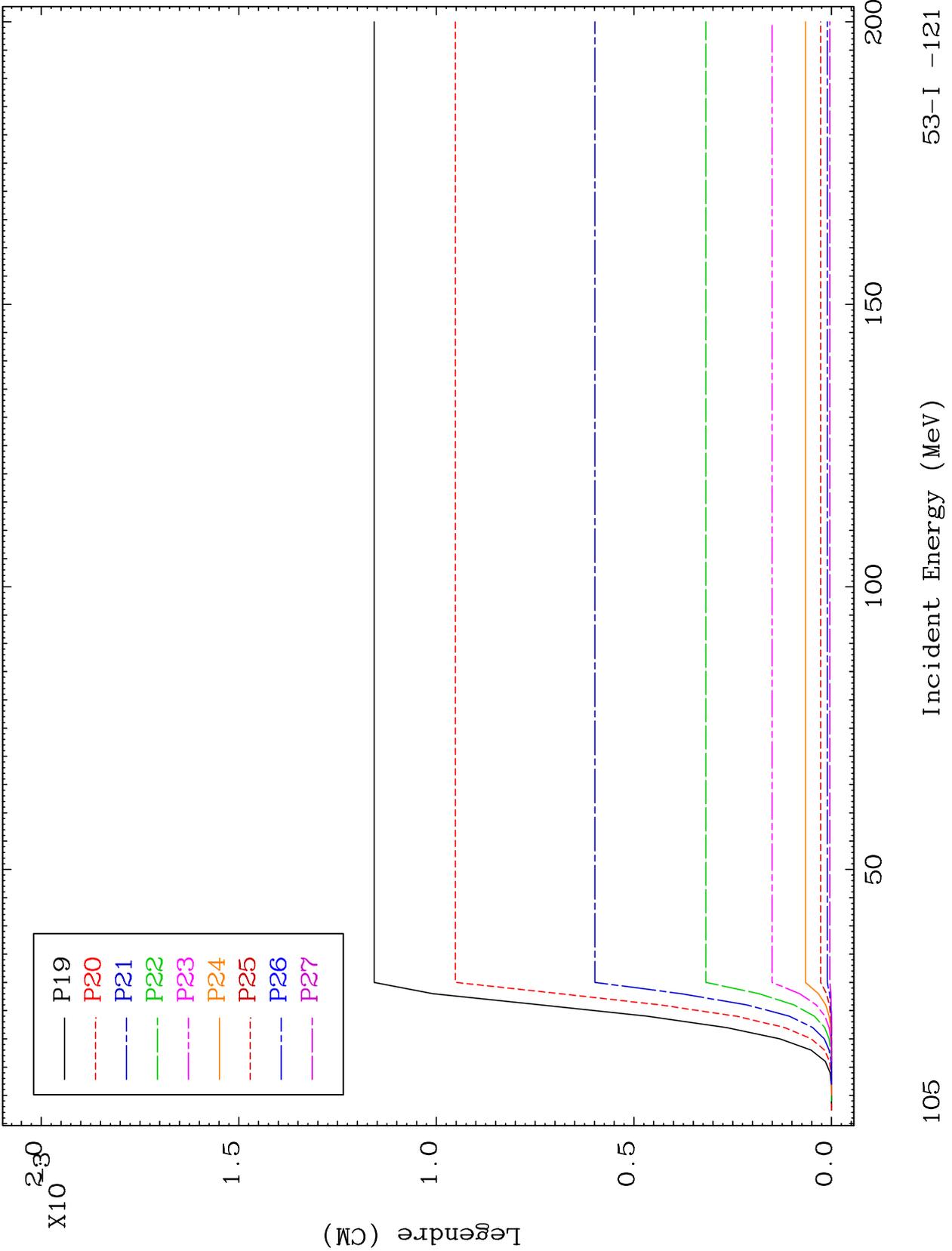
53-I -121



104

Incident Energy (MeV)

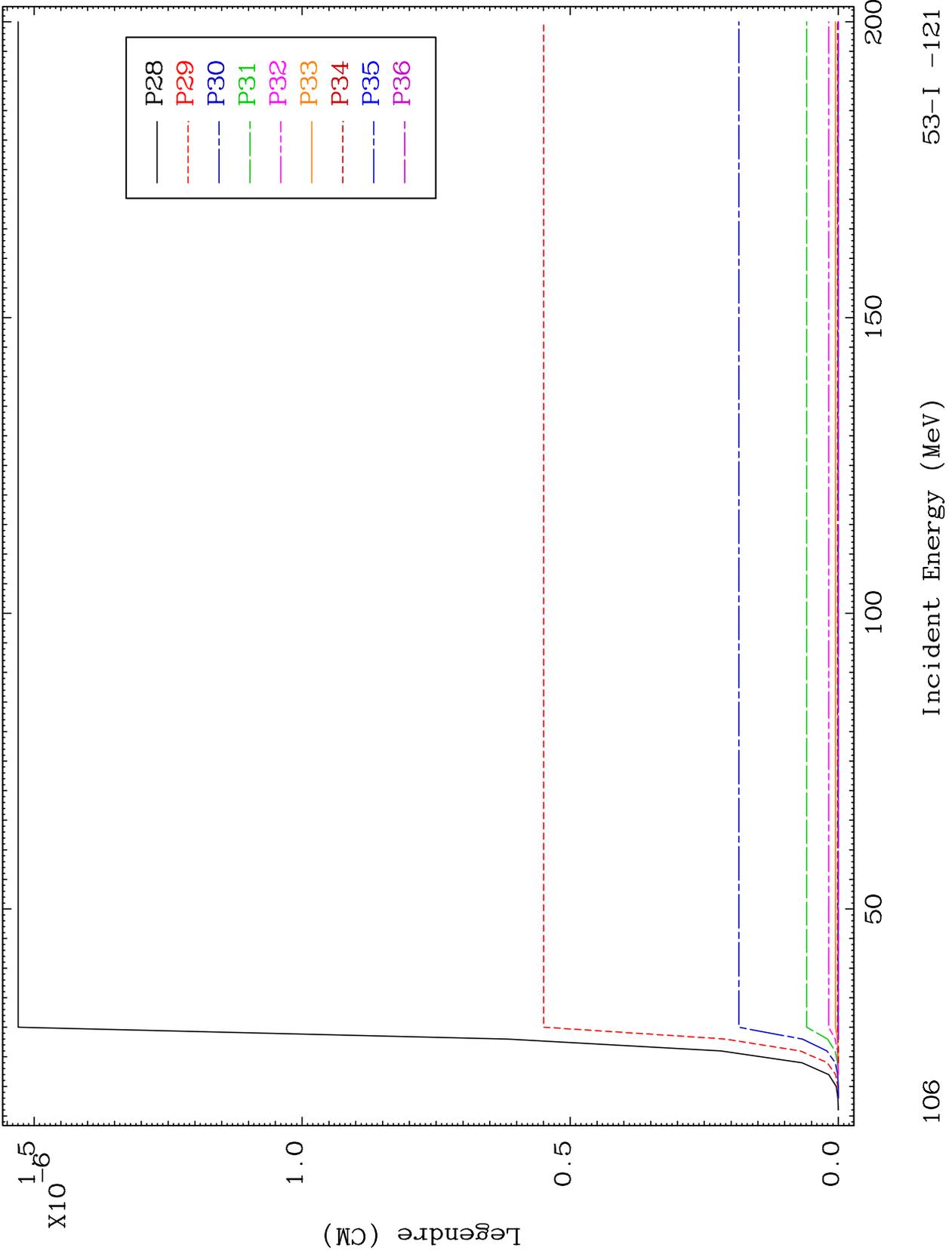
53-I -121



MAT 5307

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

53-I -121



106

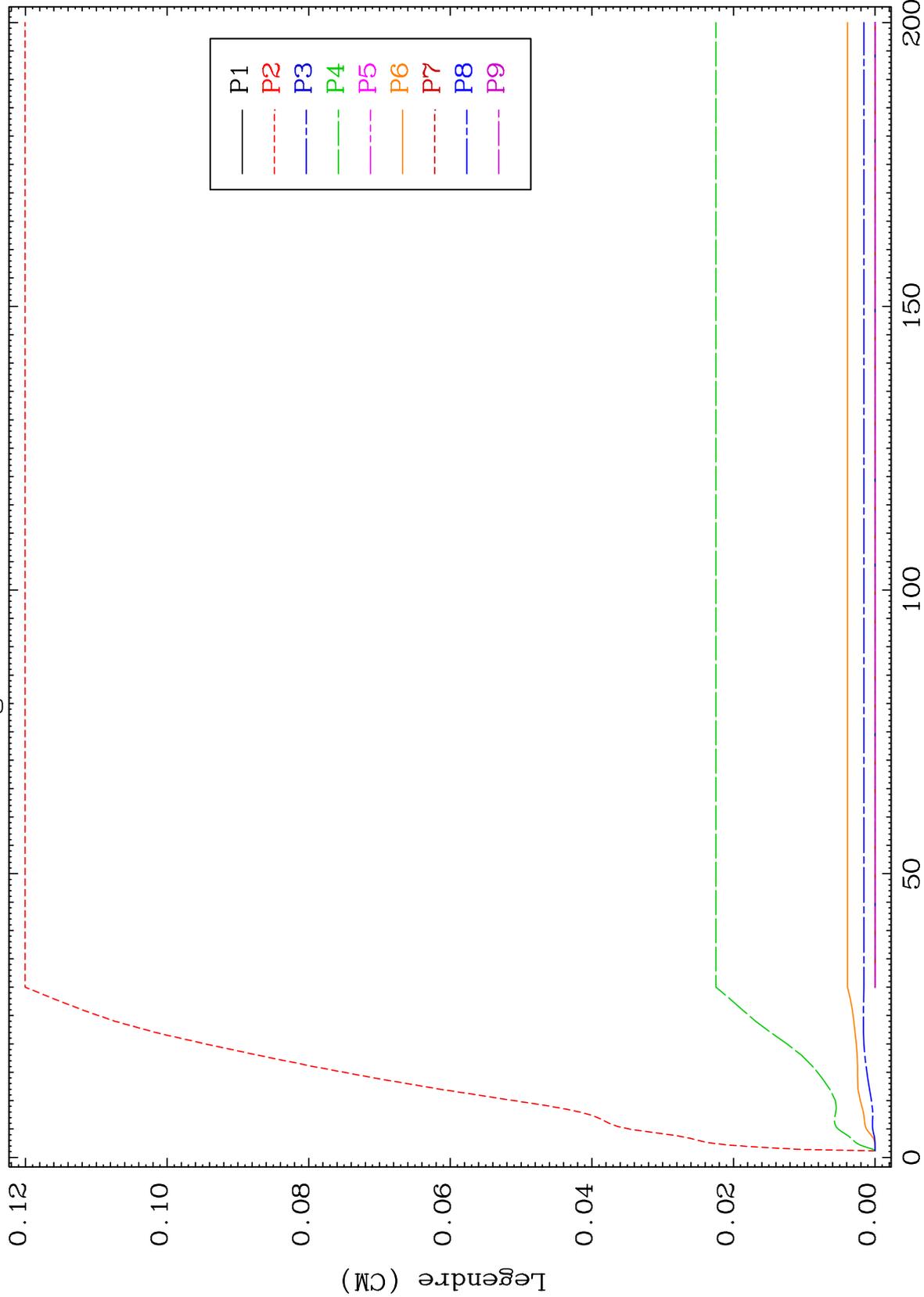
Incident Energy (MeV)

53-I -121

MAT 5307

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

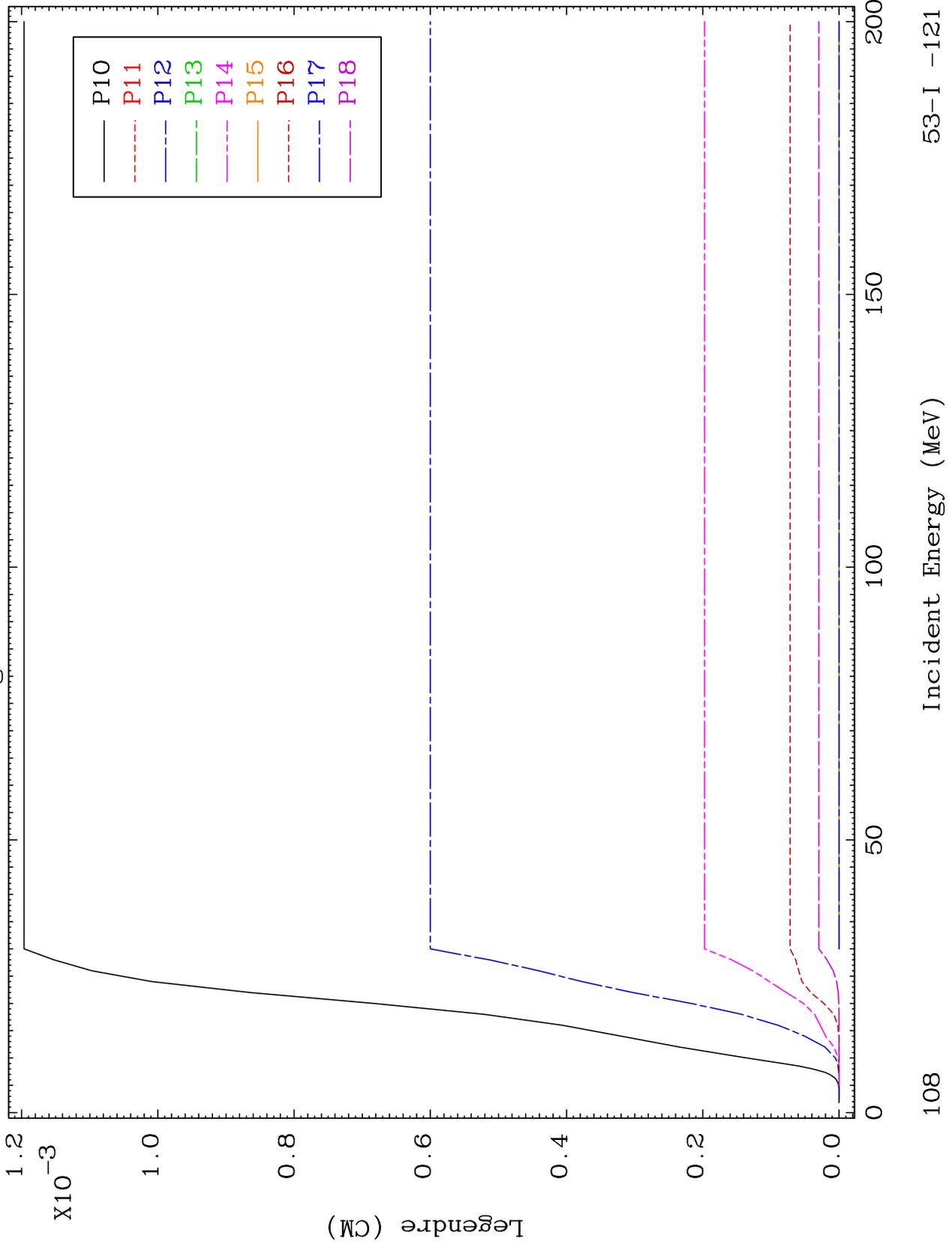
53-I -121



53-I -121

Incident Energy (MeV)

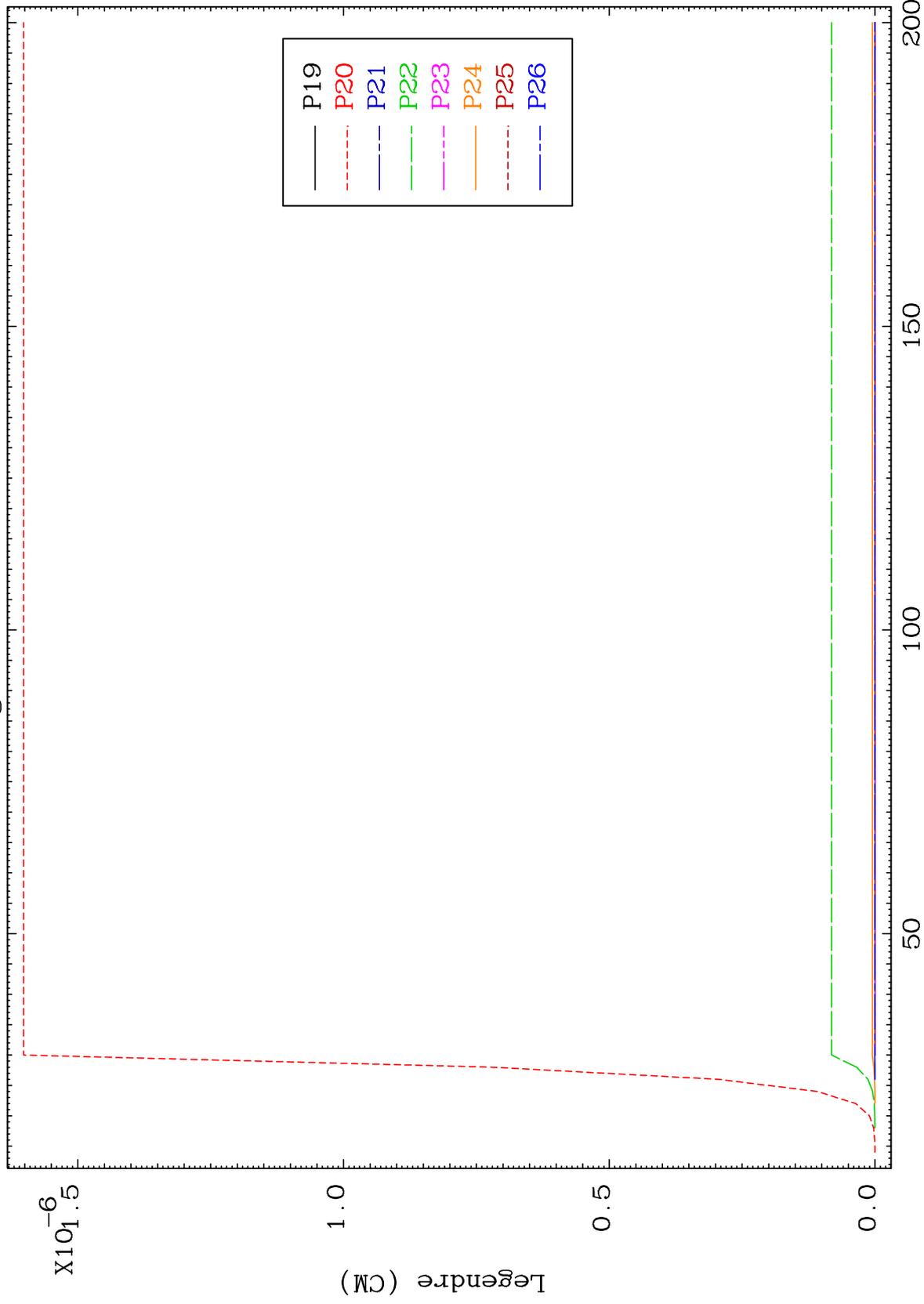
107



MAT 5307

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

53-I -121



109

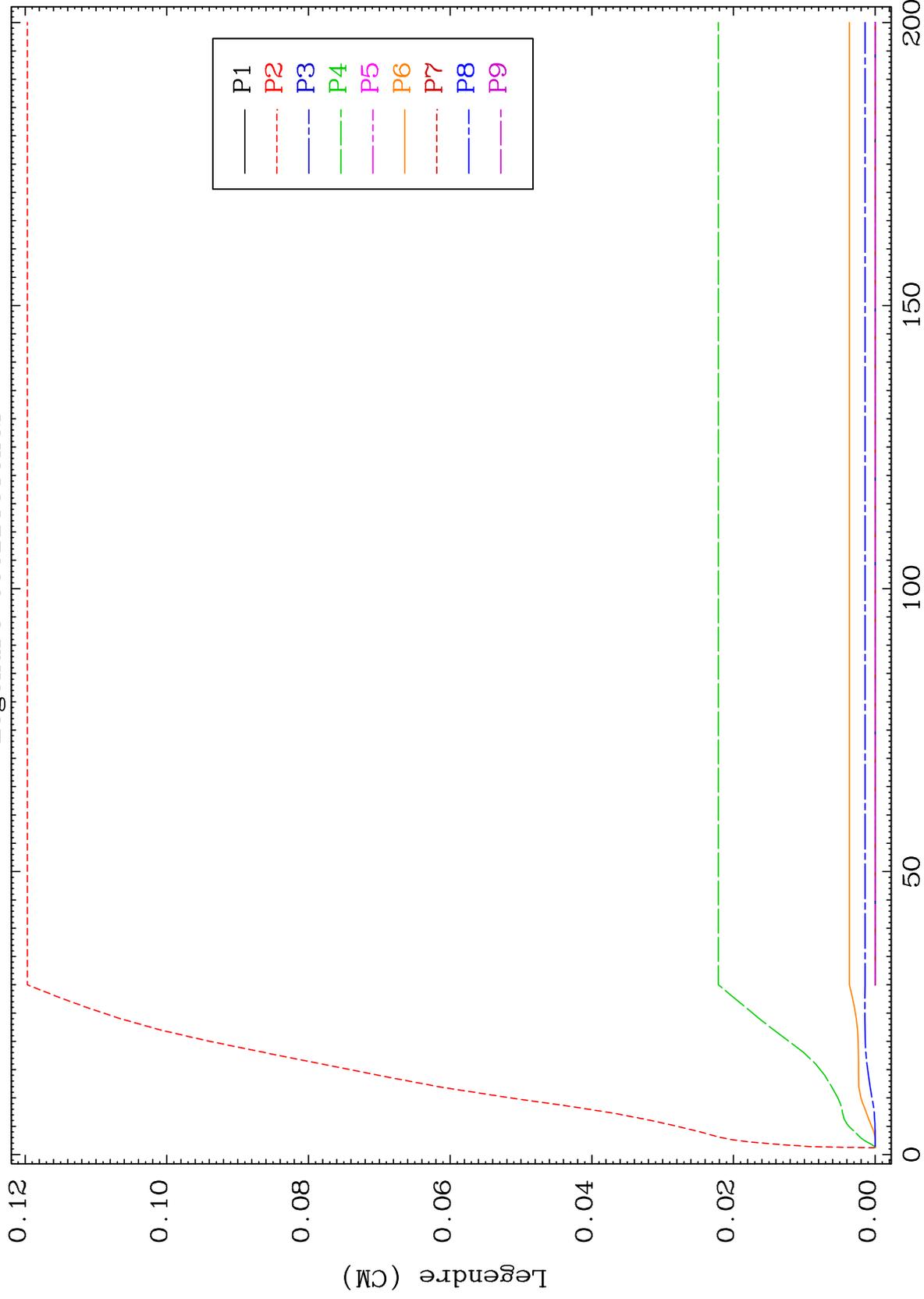
Incident Energy (MeV)

53-I -121

MAT 5307

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

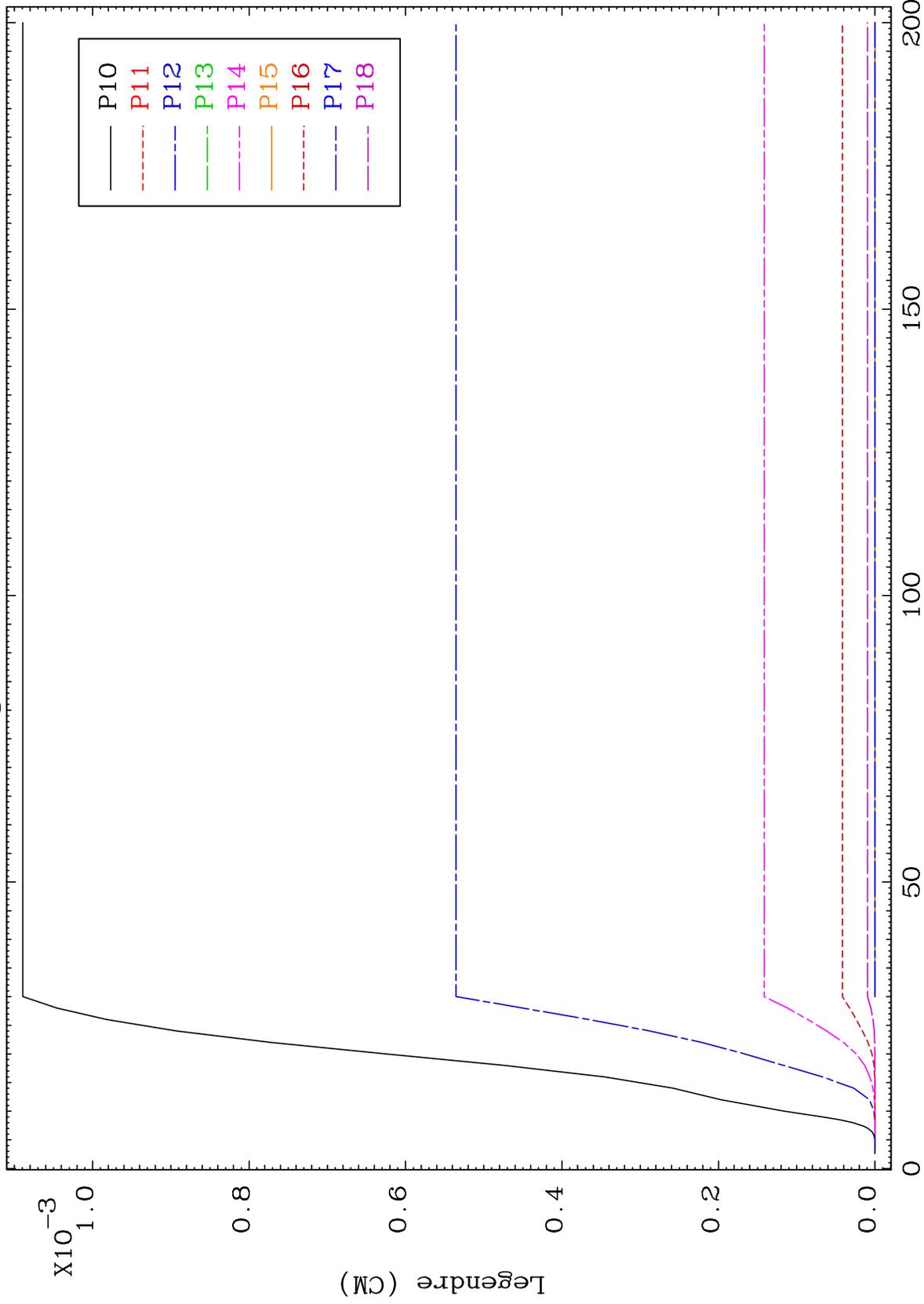
53-I -121



110

Incident Energy (MeV)

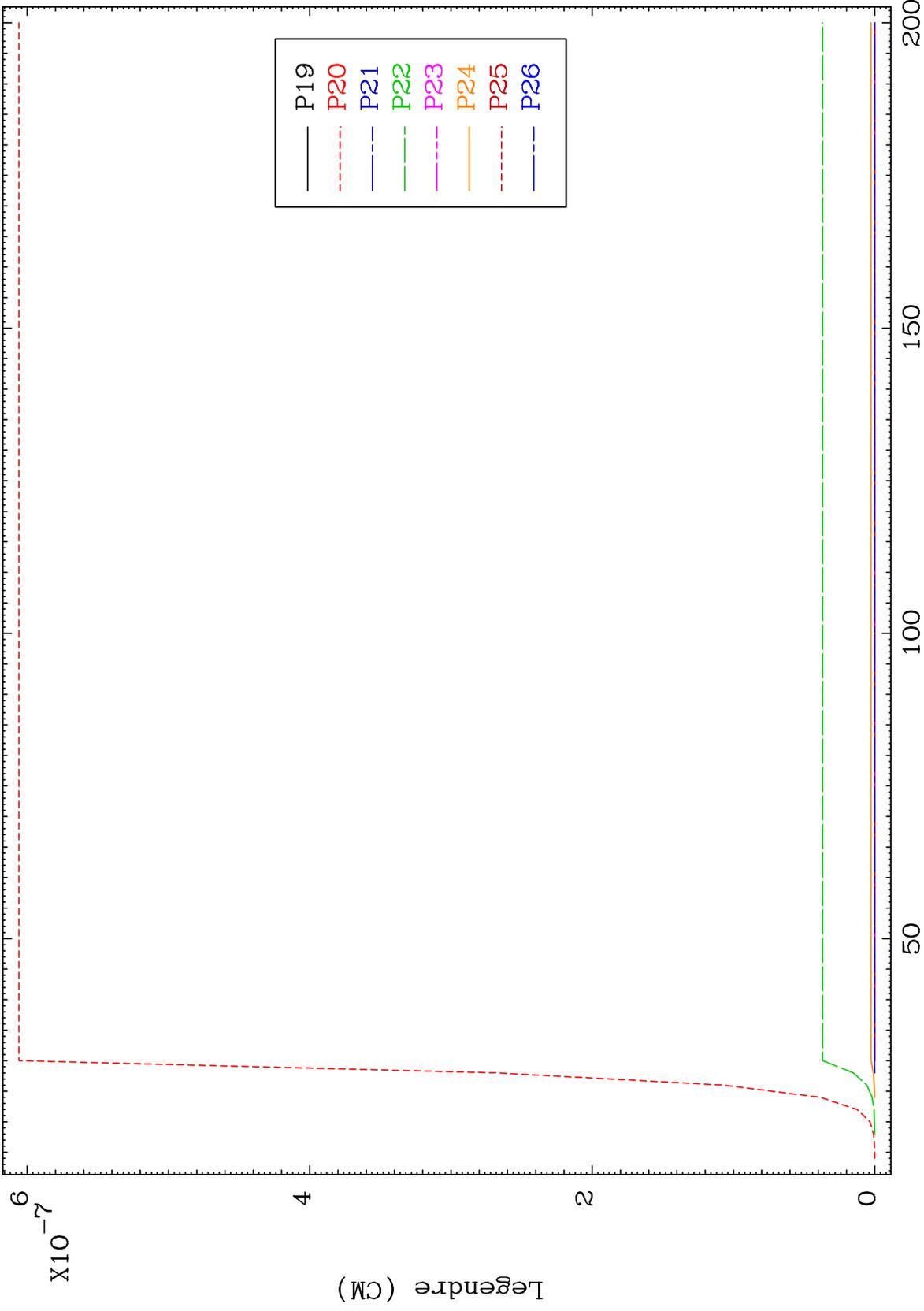
53-I -121



MAT 5307

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

53-I -121



112

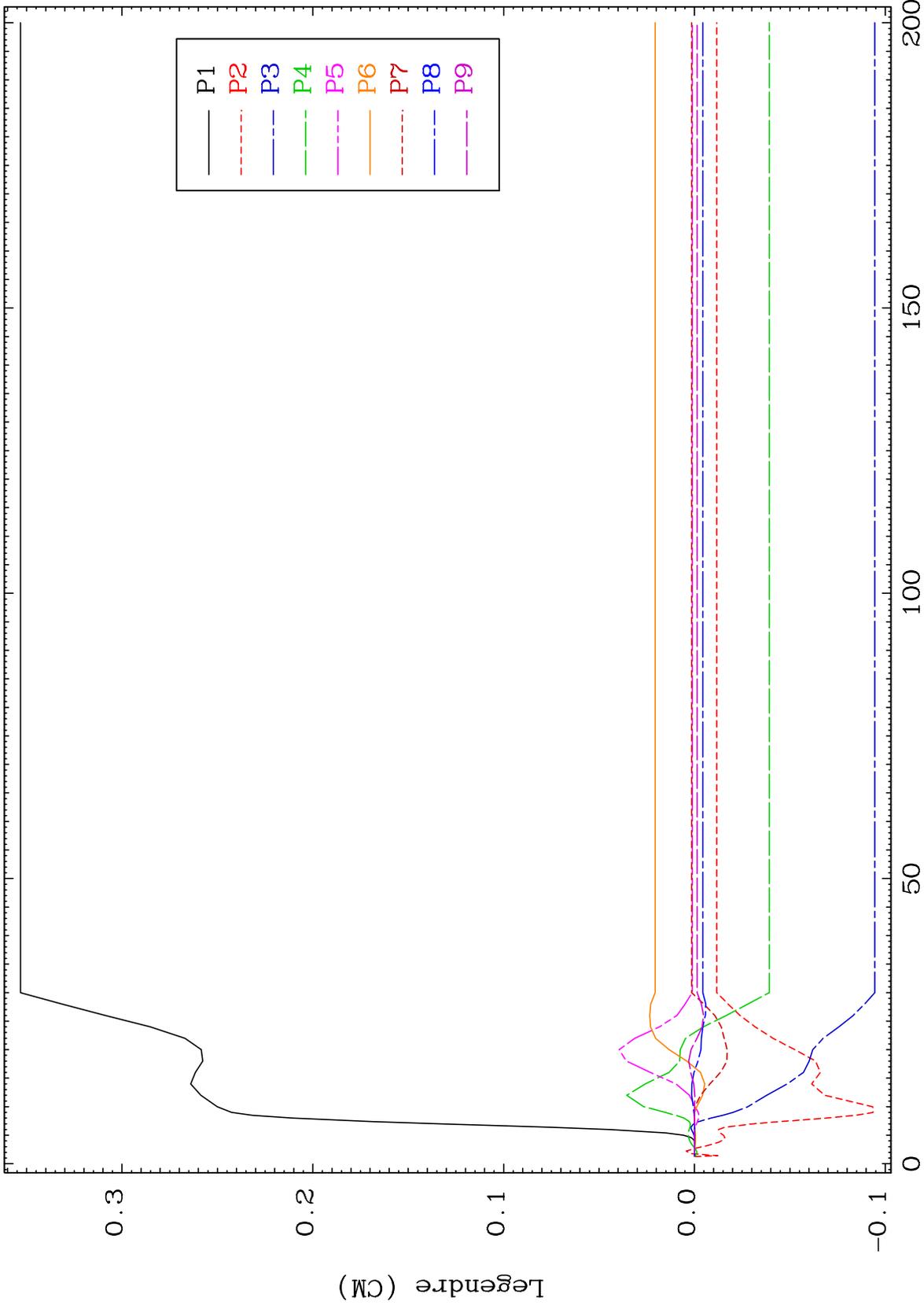
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



113

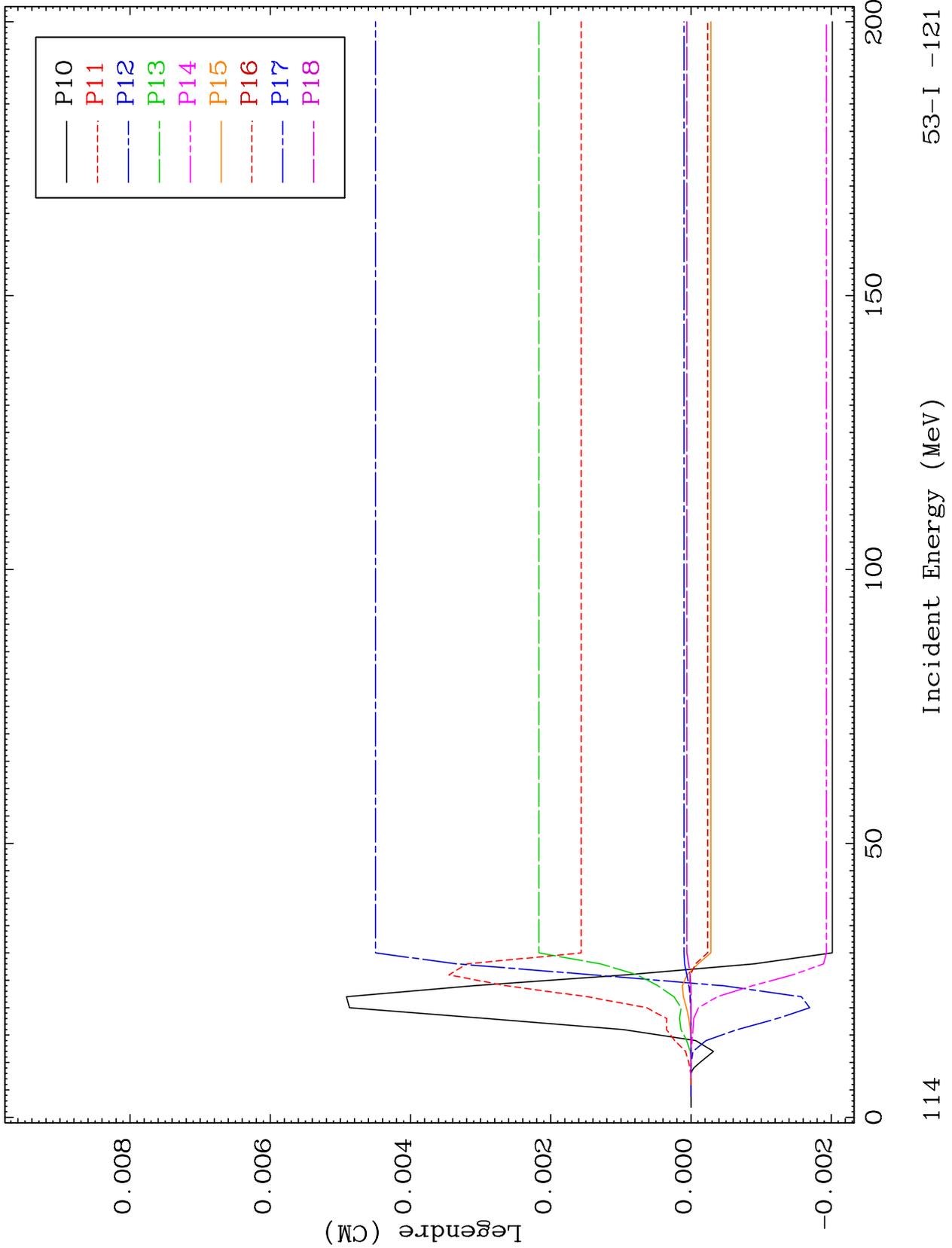
Incident Energy (MeV)

53-I -121

MAT 5307

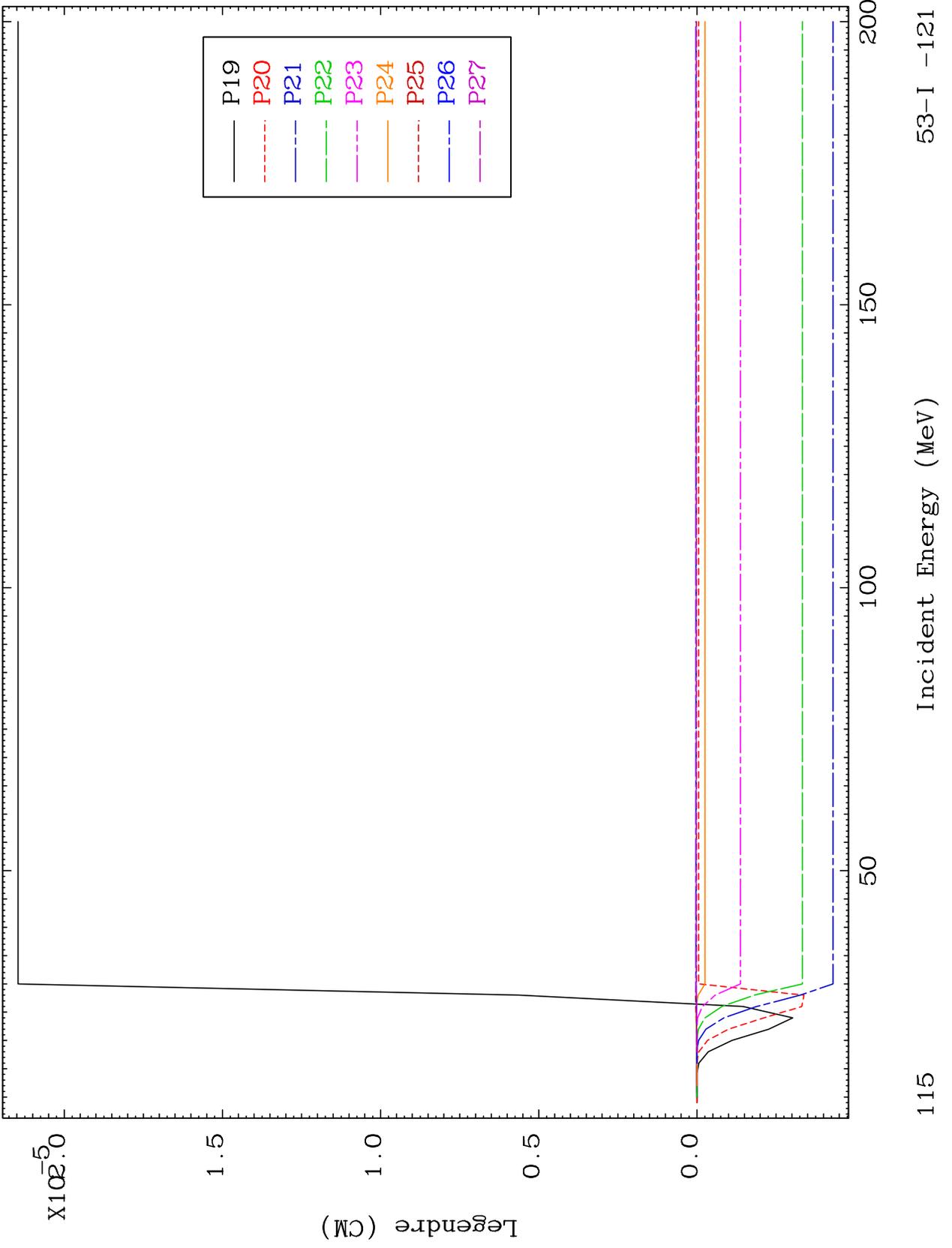
MT= 79 (n,n') Level
Legendre Coefficients

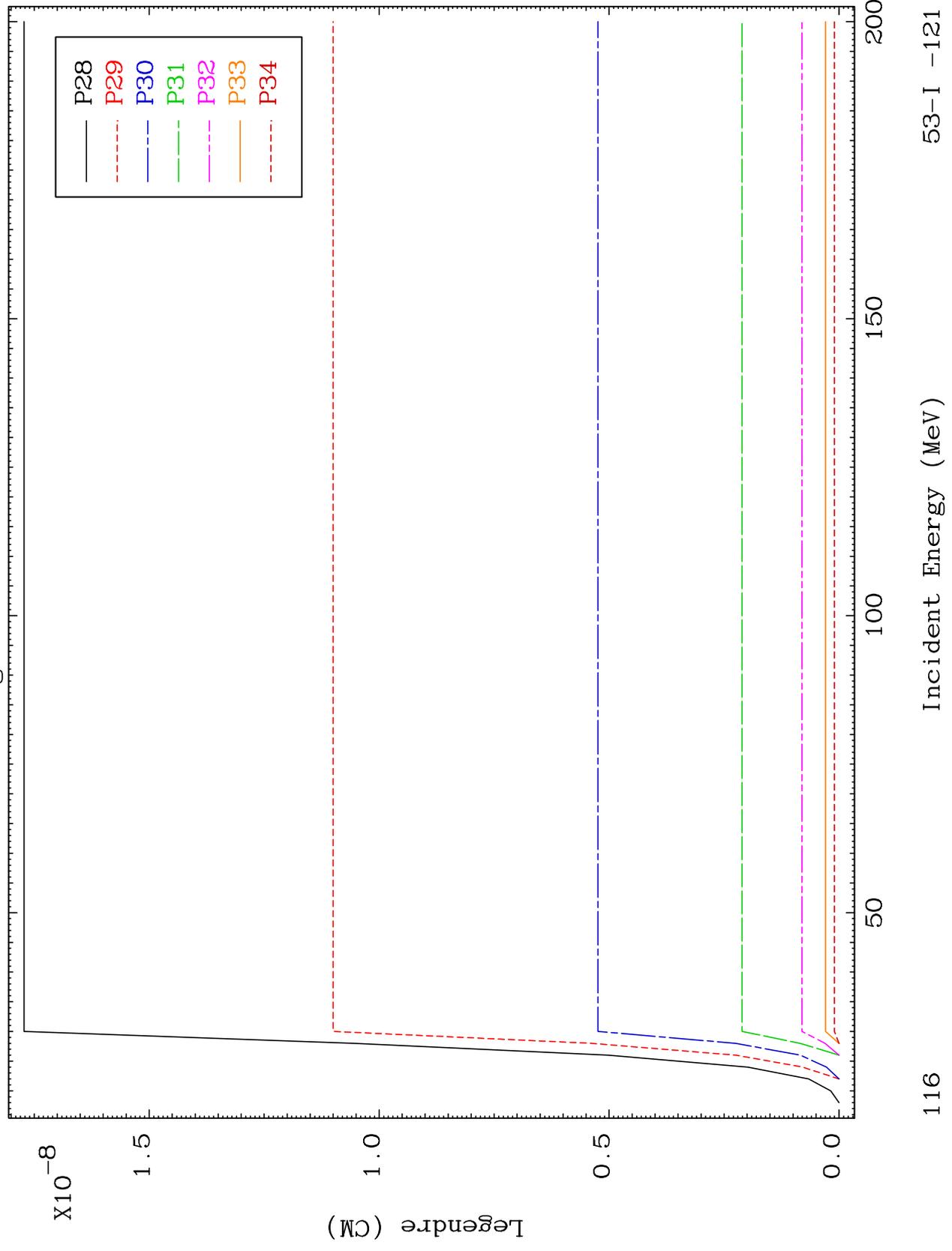
53-I -121

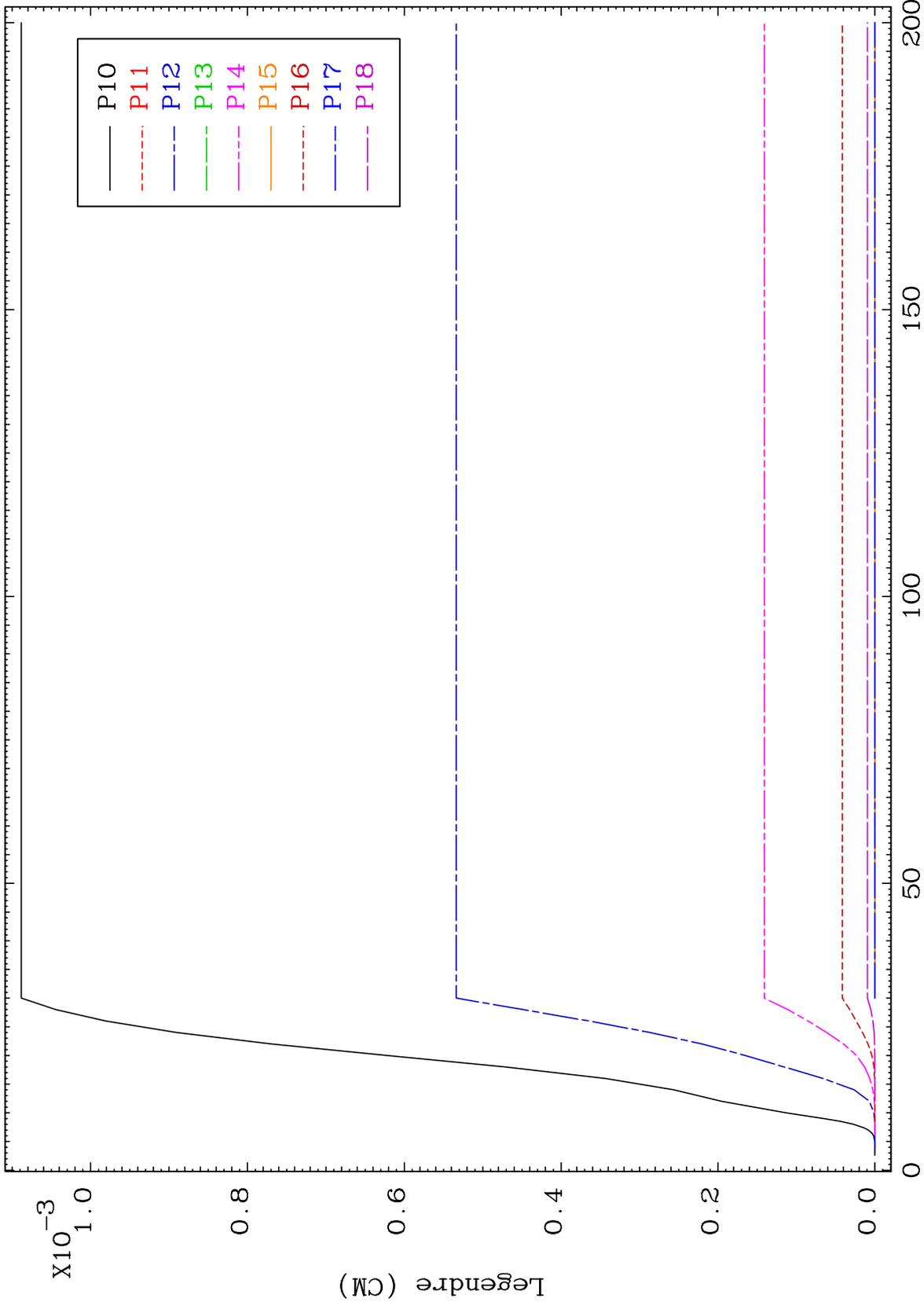


114

53-I -121





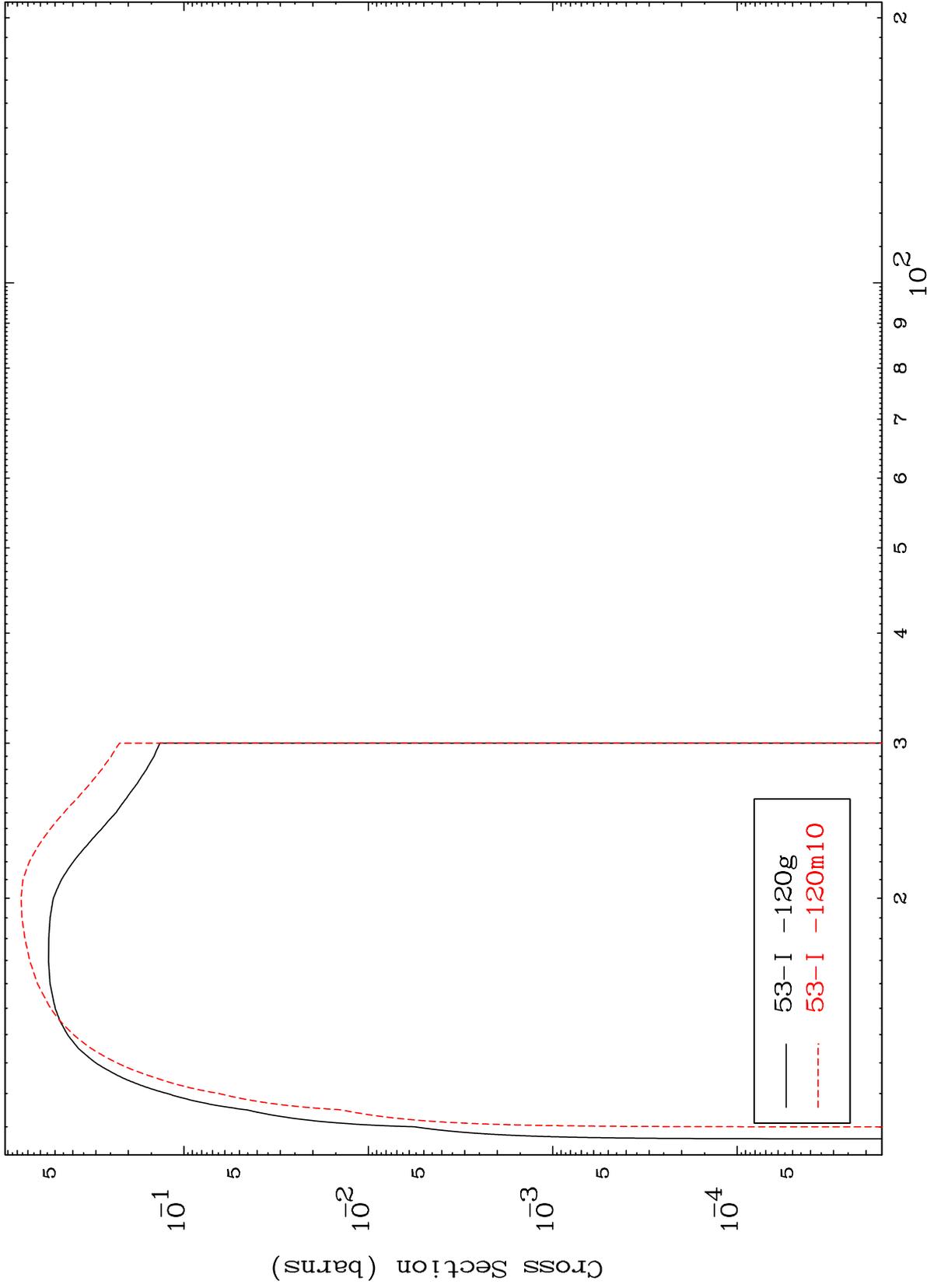


MAT 5307

(n,2n)

53-I -121

Radionuclide Production Cross Section



120

Incident Energy (MeV)

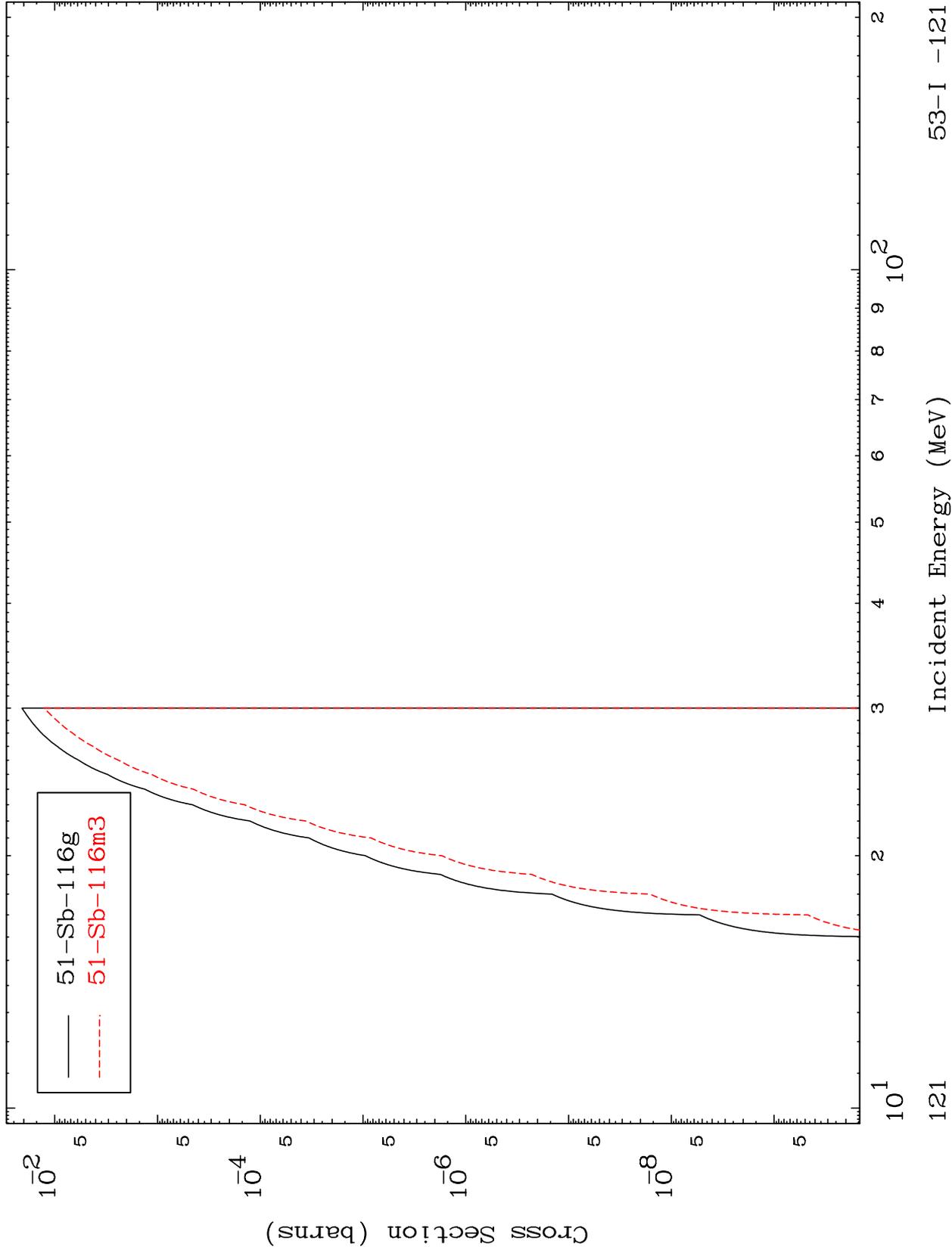
53-I -121

MAT 5307

(n,2n) α

53-I -121

Radionuclide Production Cross Section

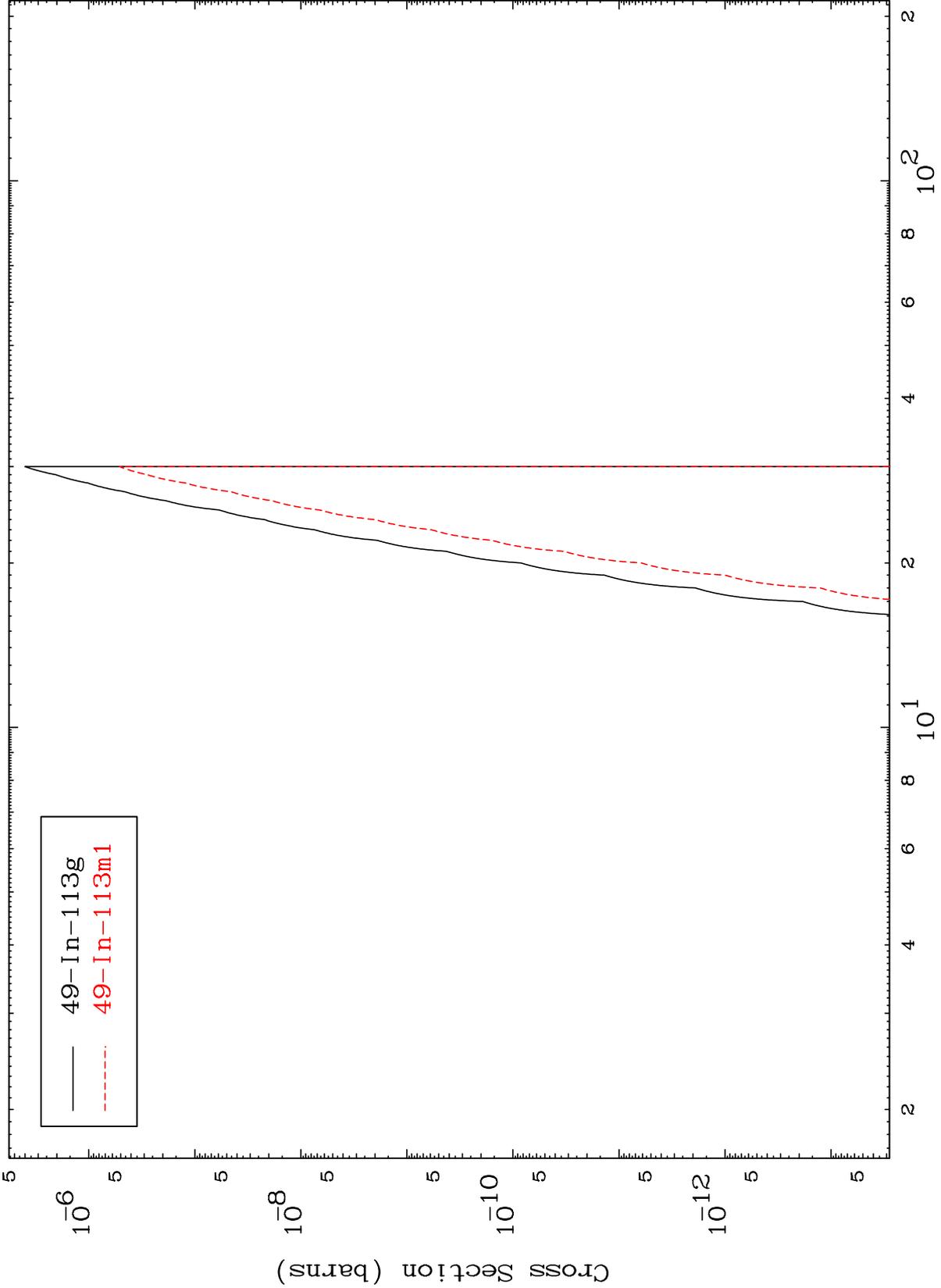


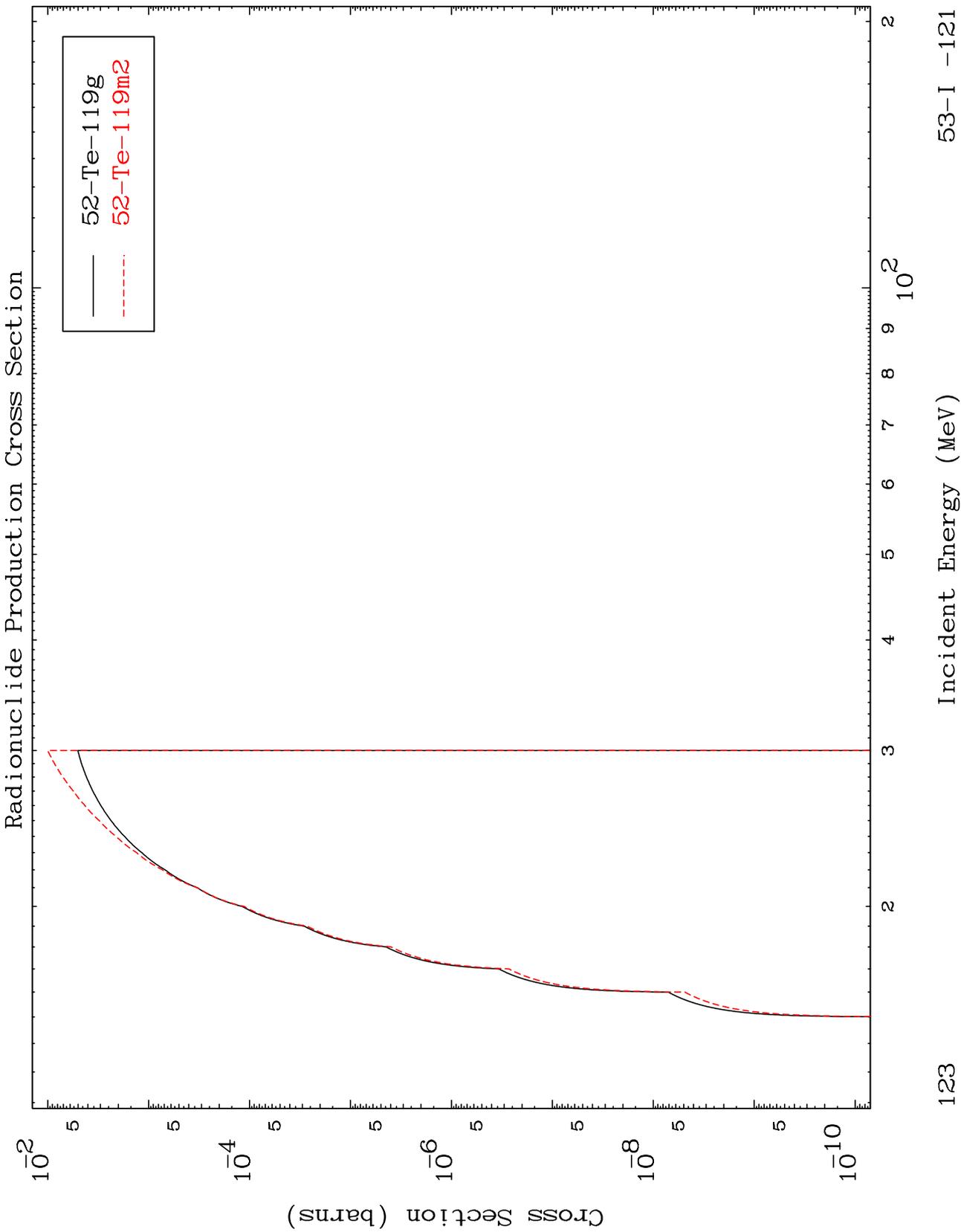
Incident Energy (MeV)

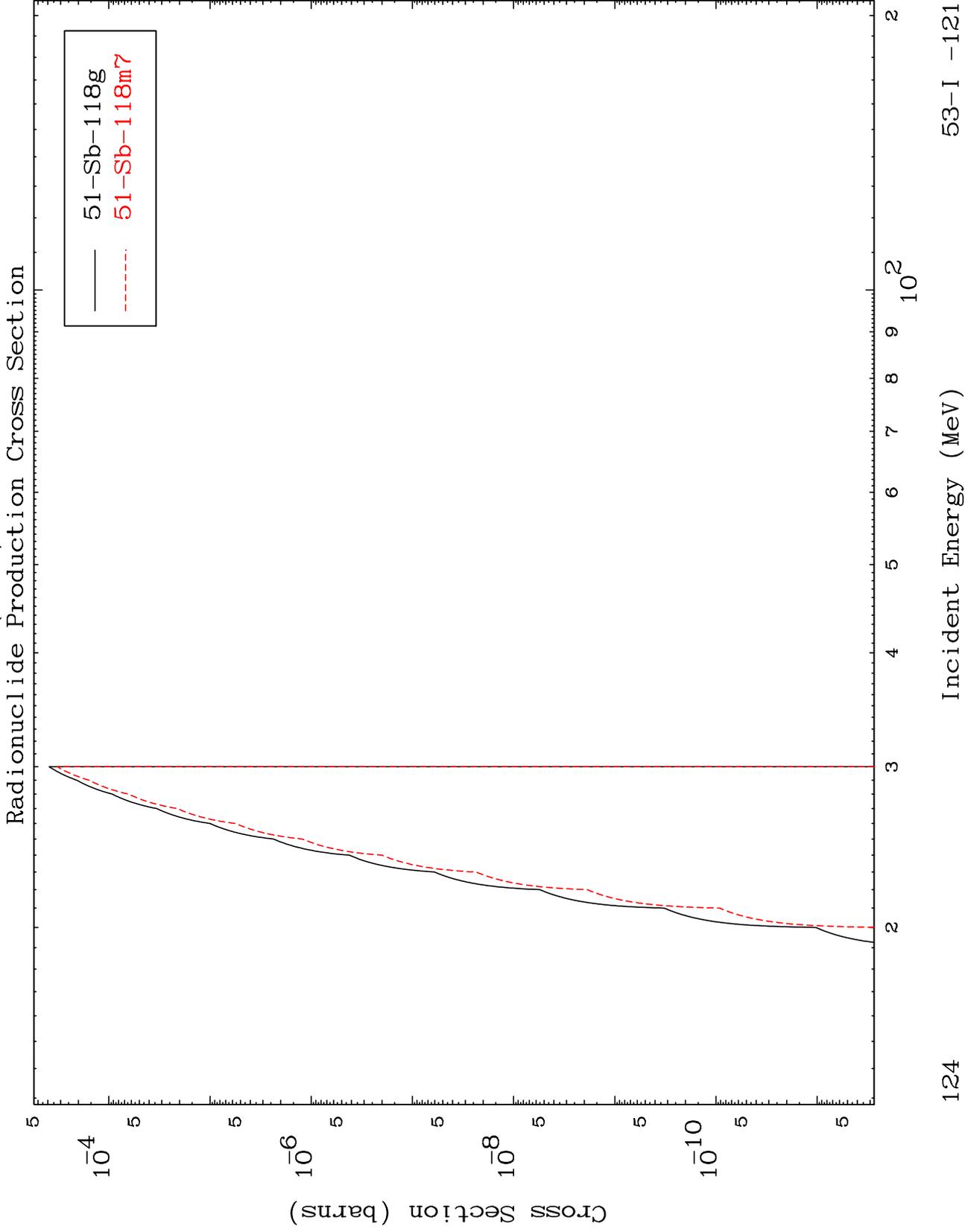
53-I -121

121

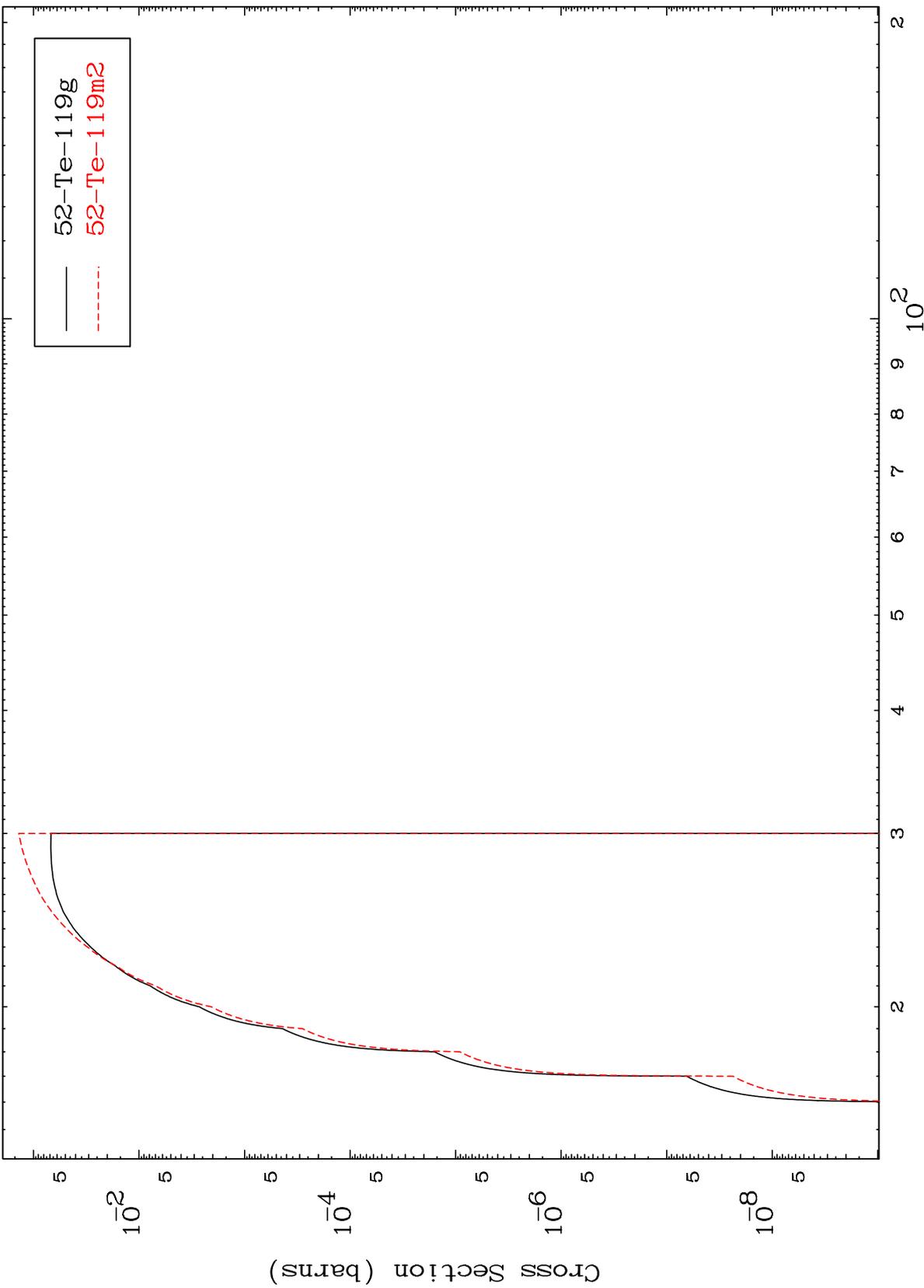
Radionuclide Production Cross Section







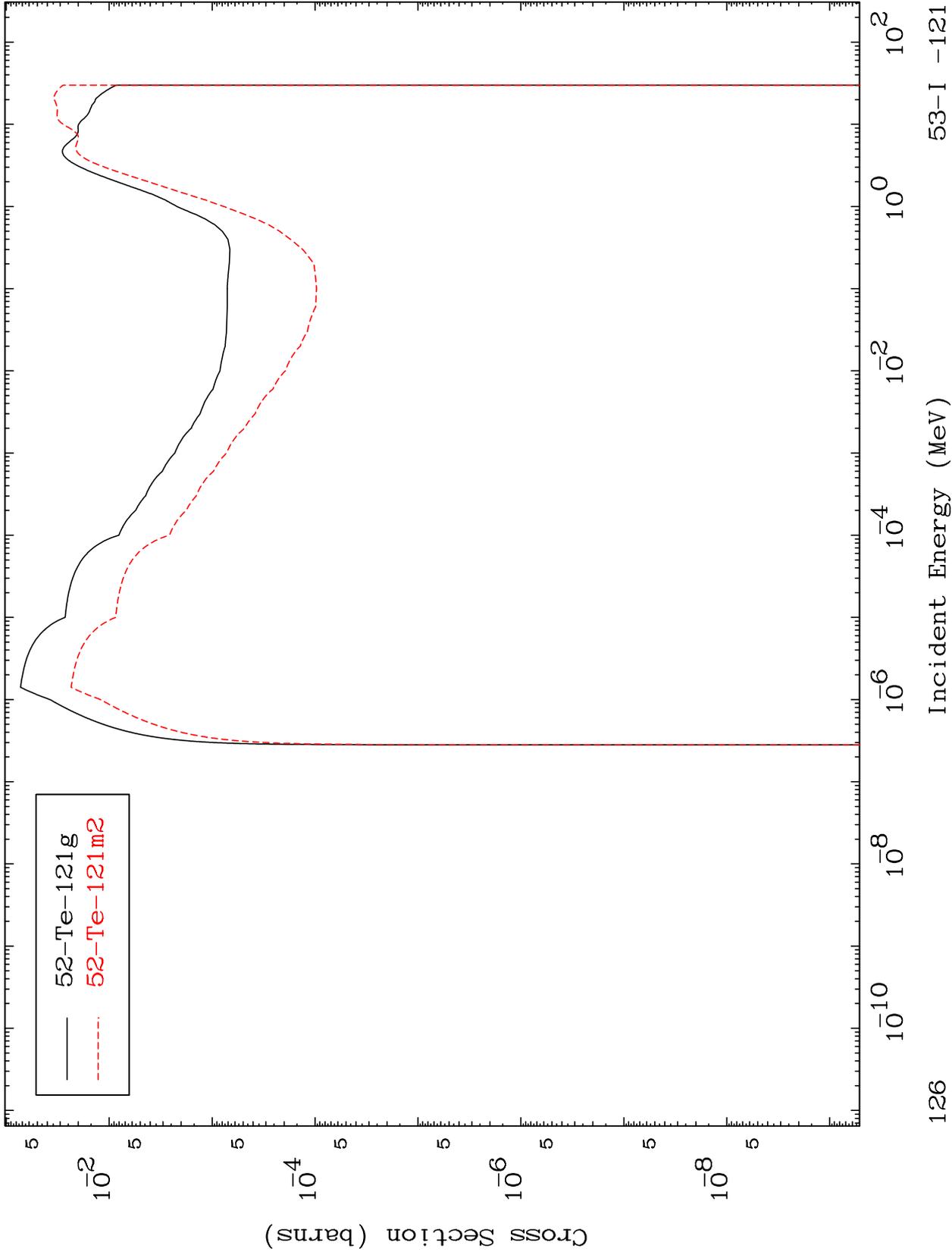
Radionuclide Production Cross Section



MAT 5307

53-I -121

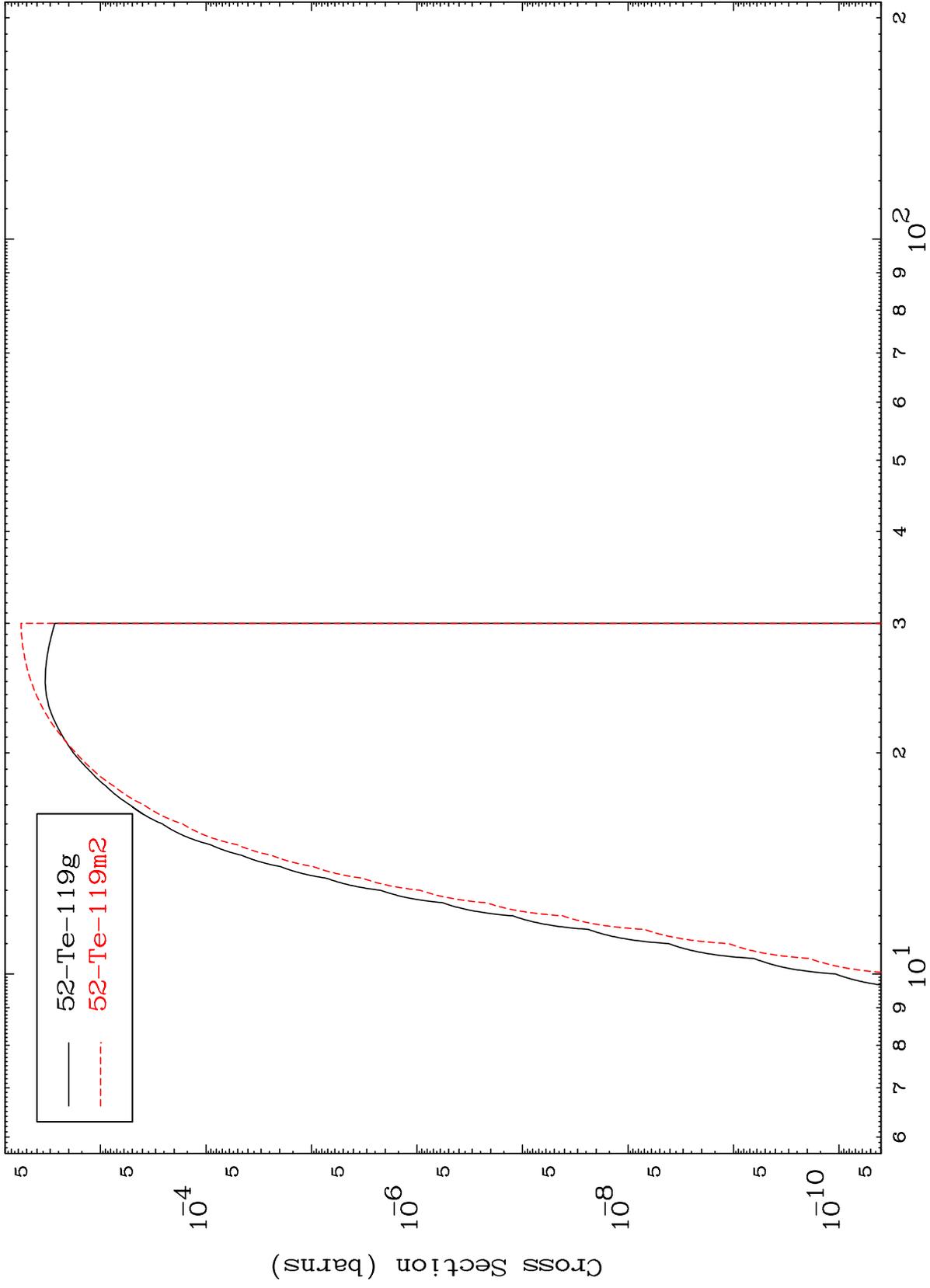
(n,p)
Radionuclide Production Cross Section



126

53-I -121

(n,t)
Radionuclide Production Cross Section

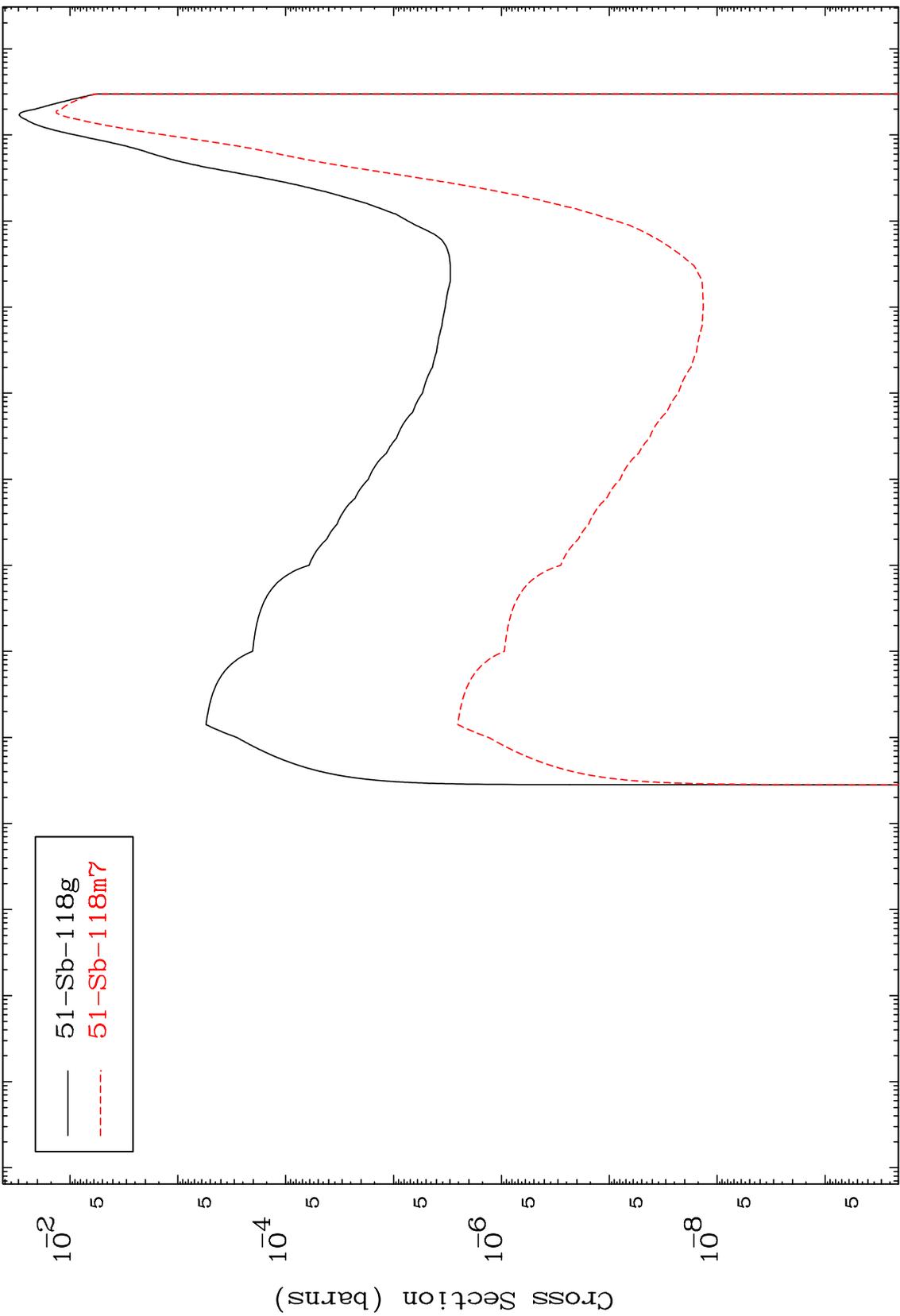
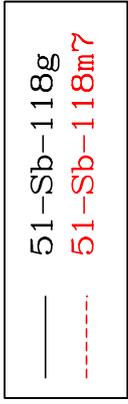


MAT 5307

(n, α)

53-I -121

Radionuclide Production Cross Section



Cross Section (barns)

Incident Energy (MeV)

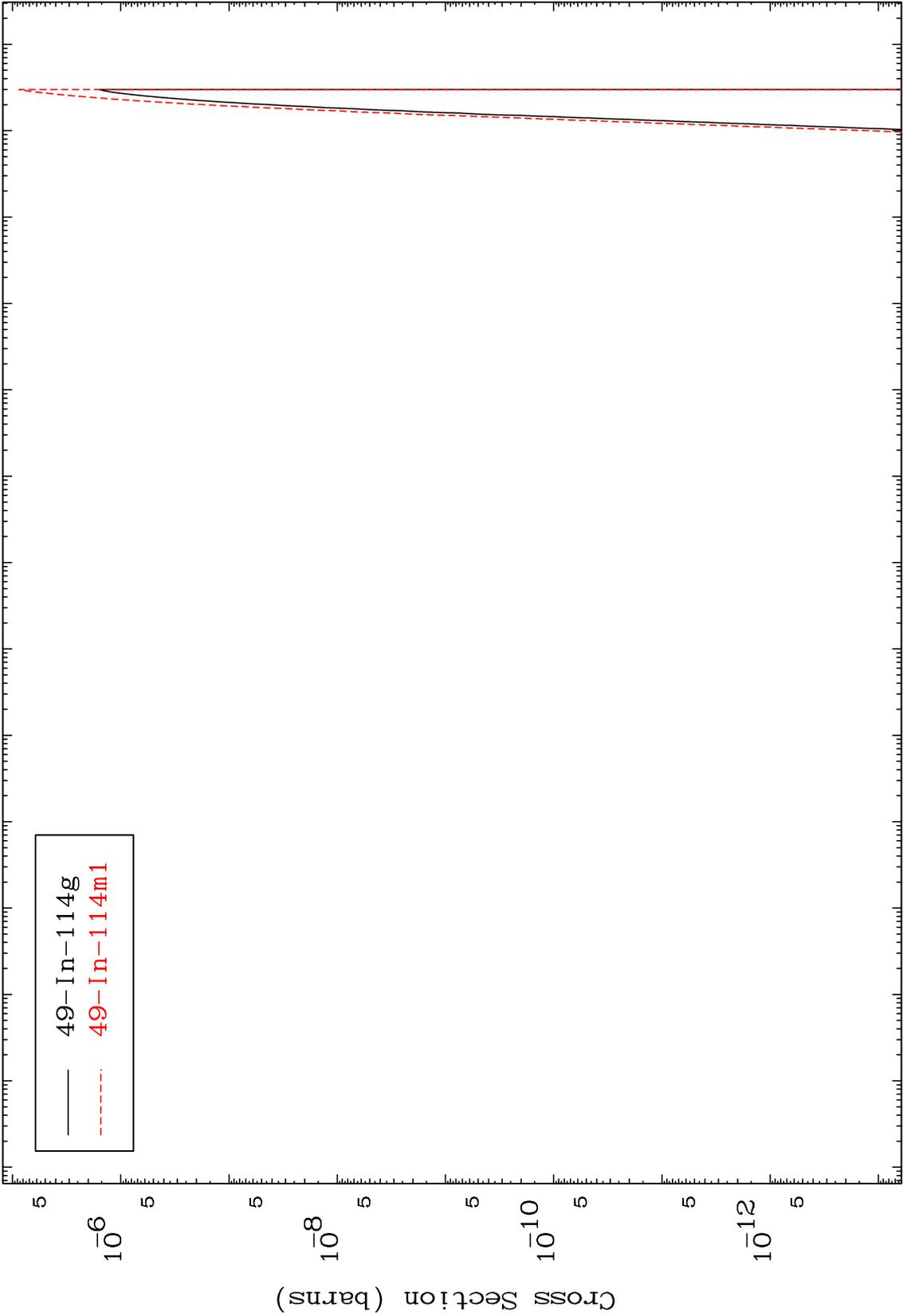
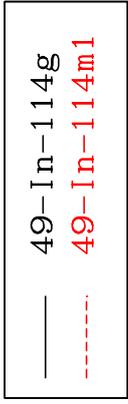
53-I -121

MAT 5307

(n,2α)

53-I -121

Radionuclide Production Cross Section



53-I -121

10⁰

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

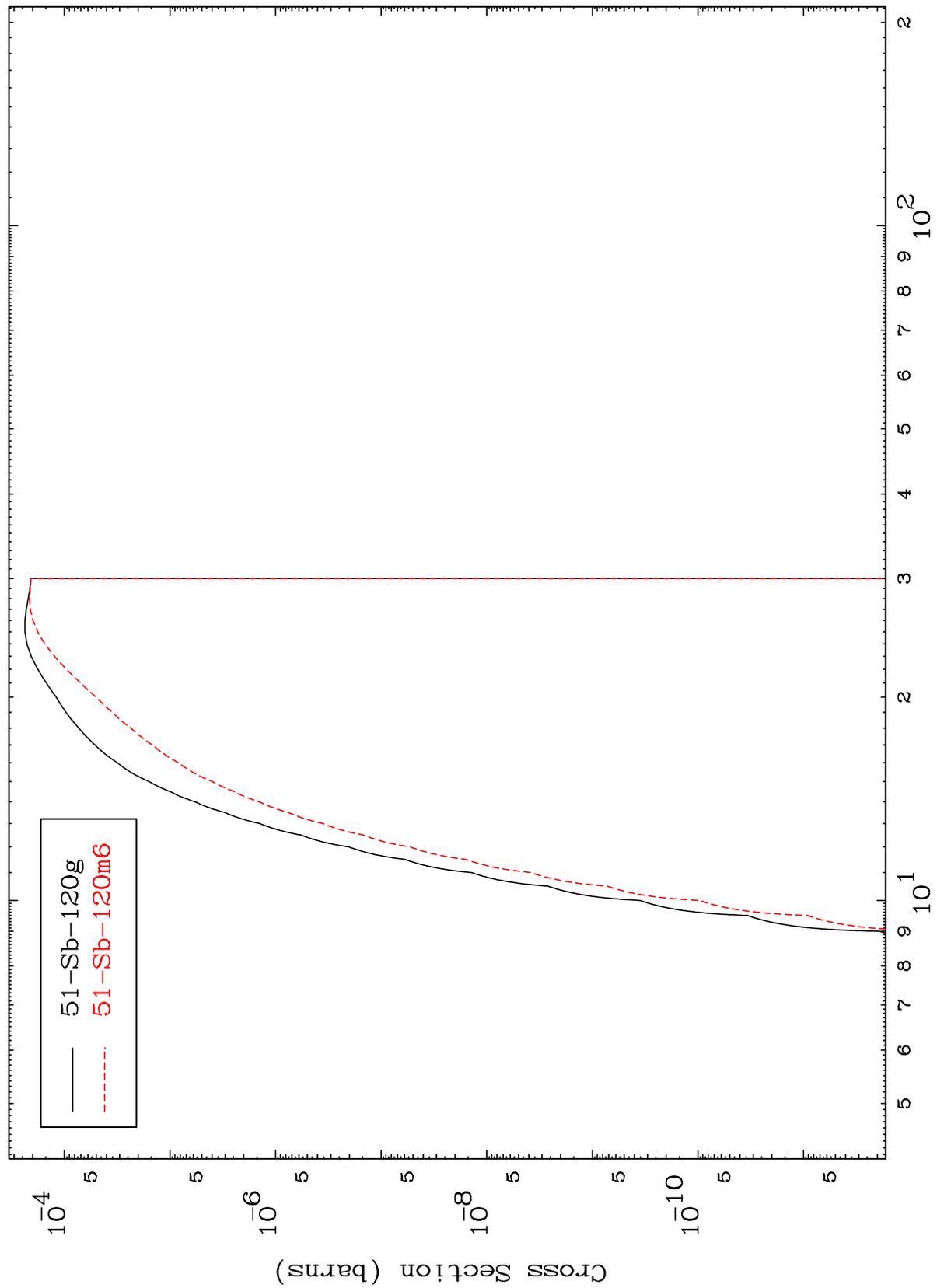
10⁻¹⁰

10⁻¹²

Incident Energy (MeV)

53-I -121

(n,2p)
Radionuclide Production Cross Section

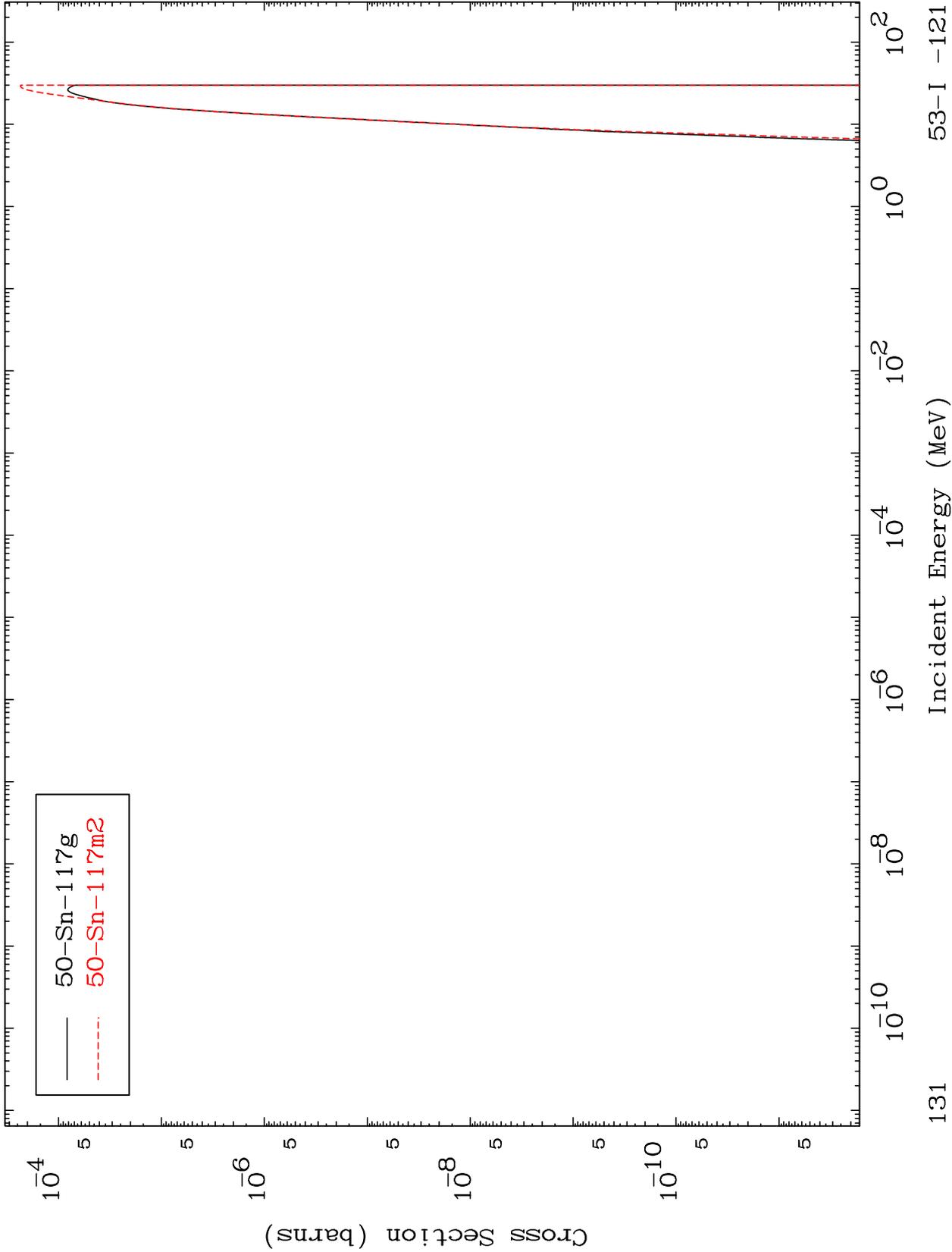


MAT 5307

(n,p) α

53-I -121

Radionuclide Production Cross Section



50-Sn-117g
50-Sn-117m2

Radionuclide Production Cross Section

