

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

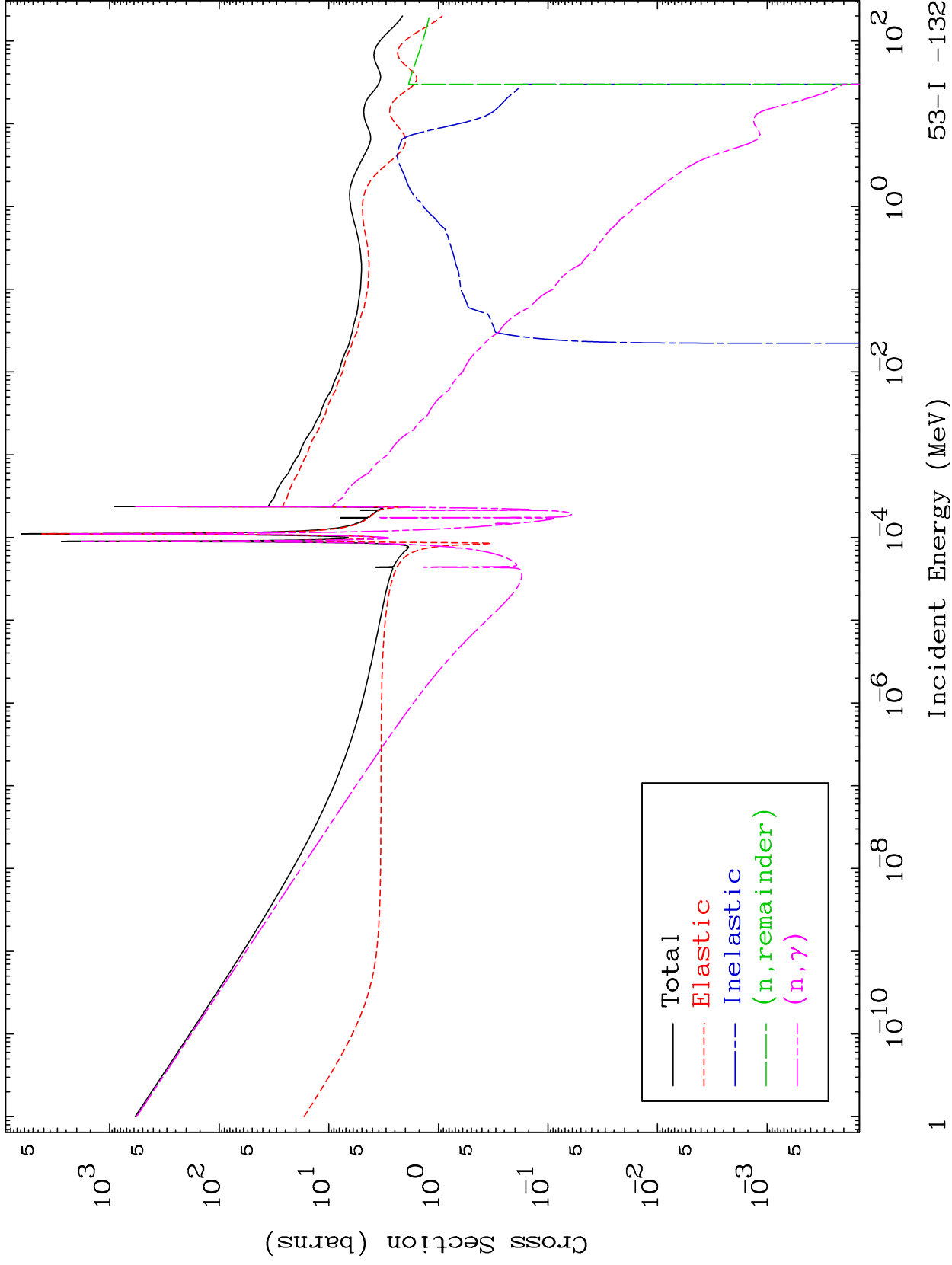
Web:redcullen1.net/HOMEPAGE.NEW

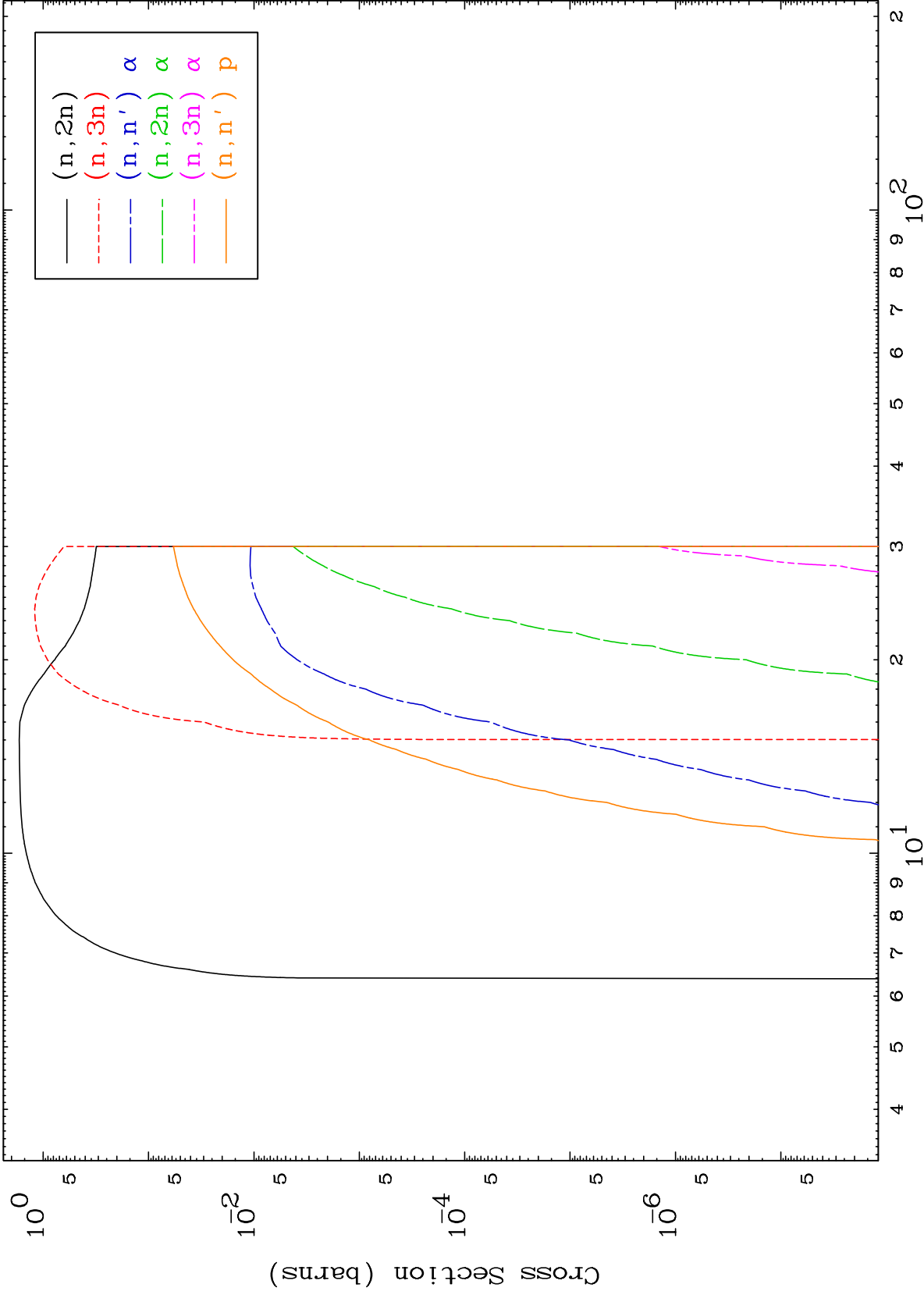
Press Mouse Button to Start

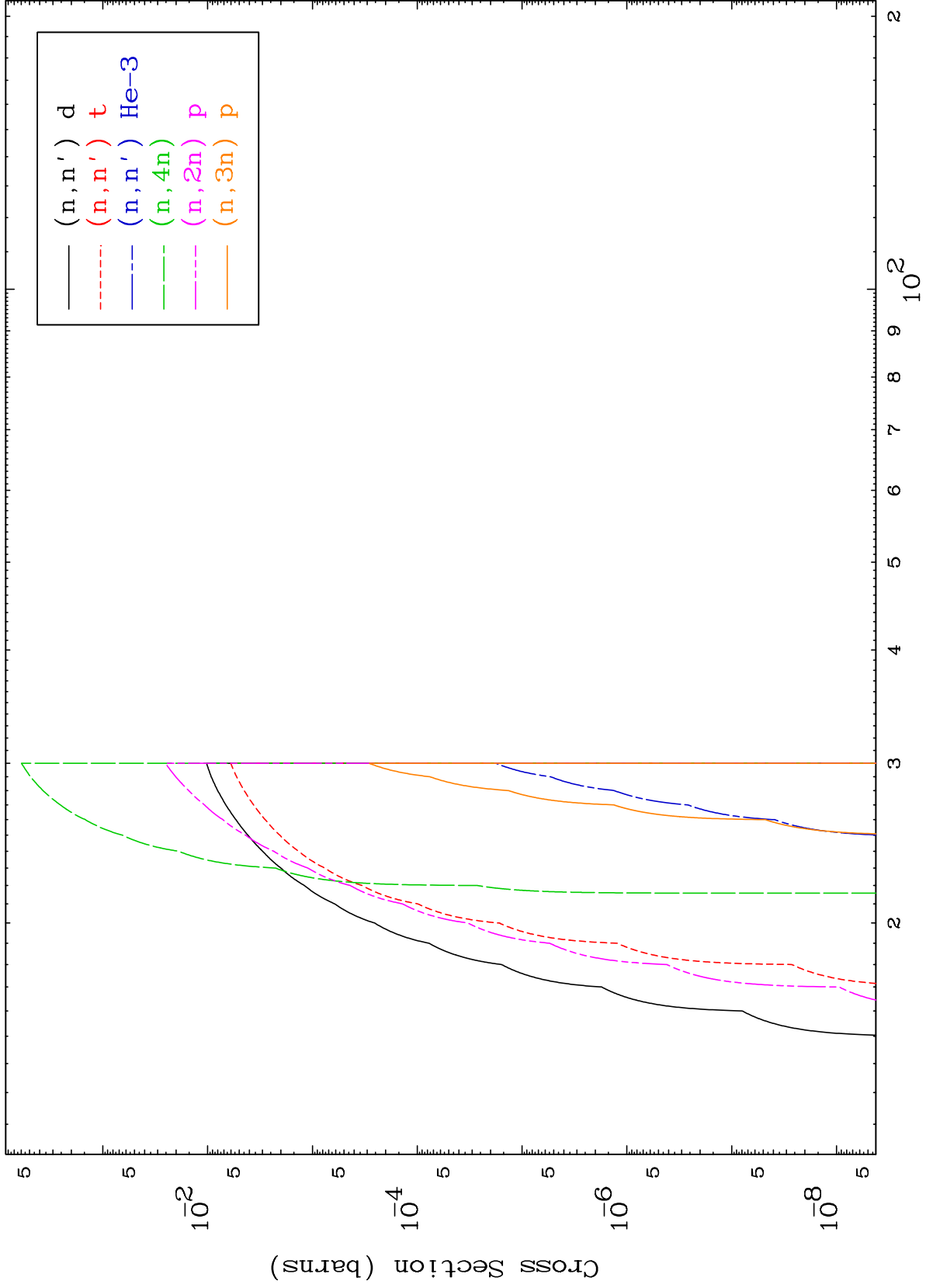
MAT 5340

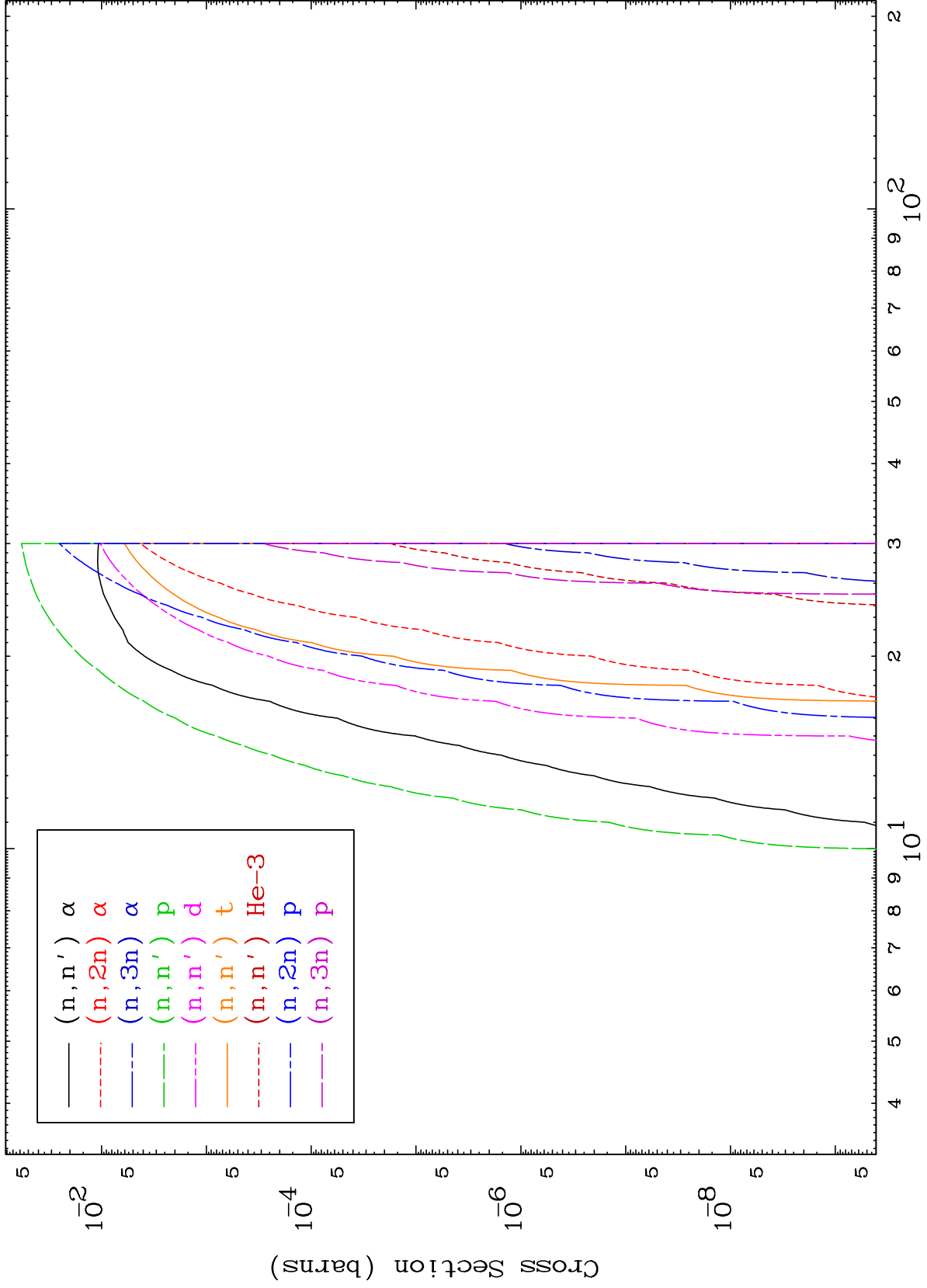
Major
293 Kelvin Cross Sections

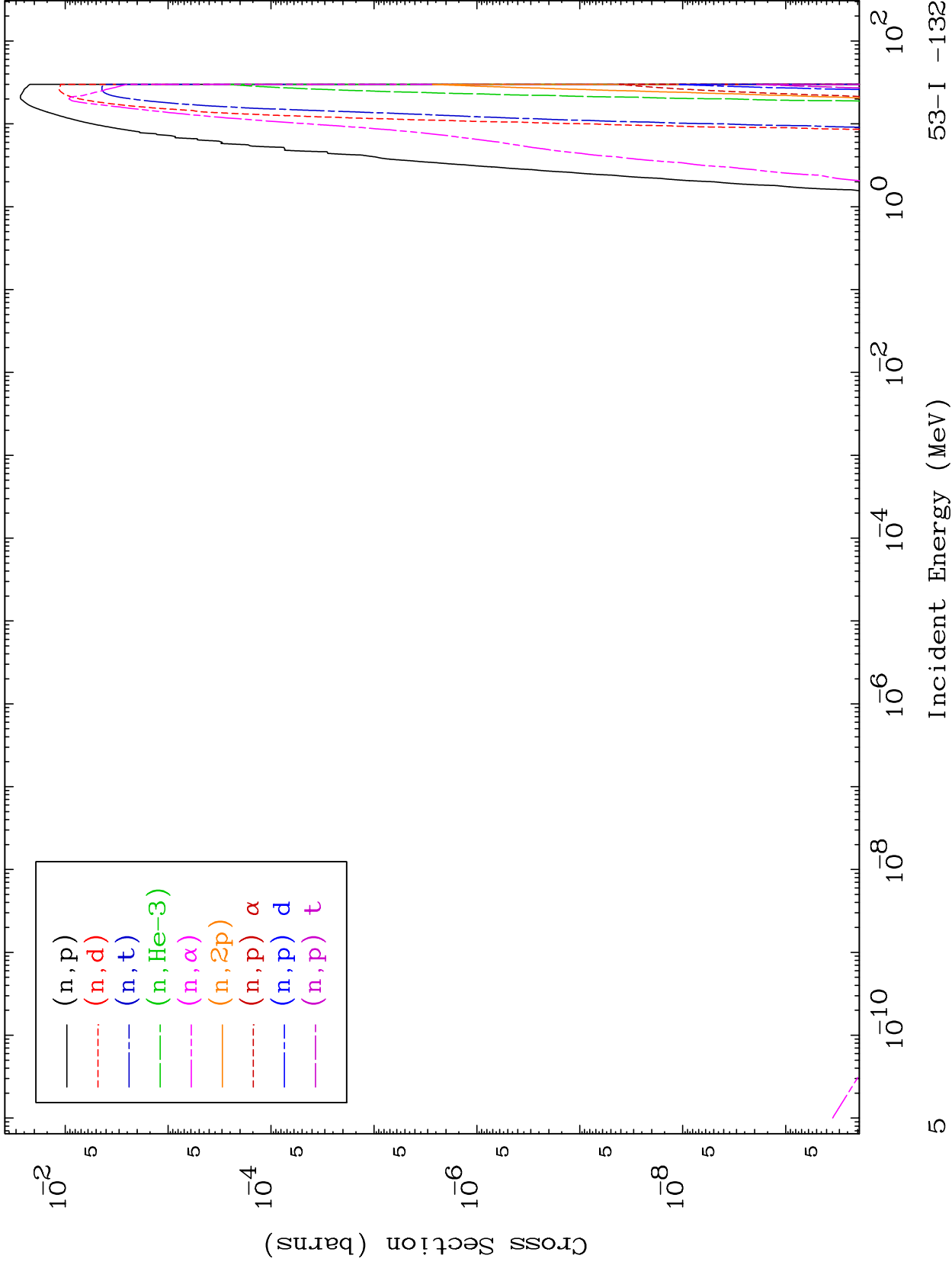
53-I -132

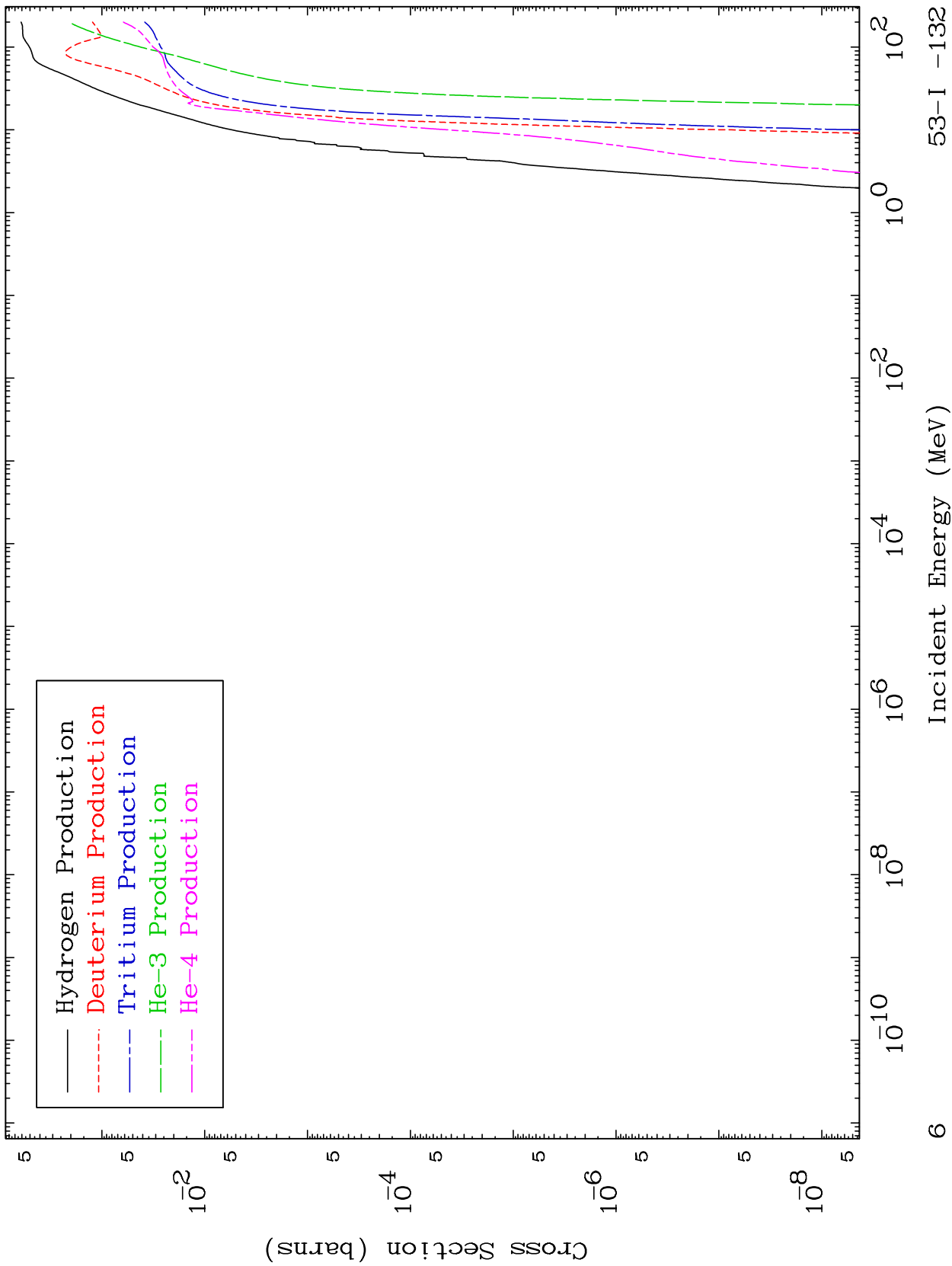


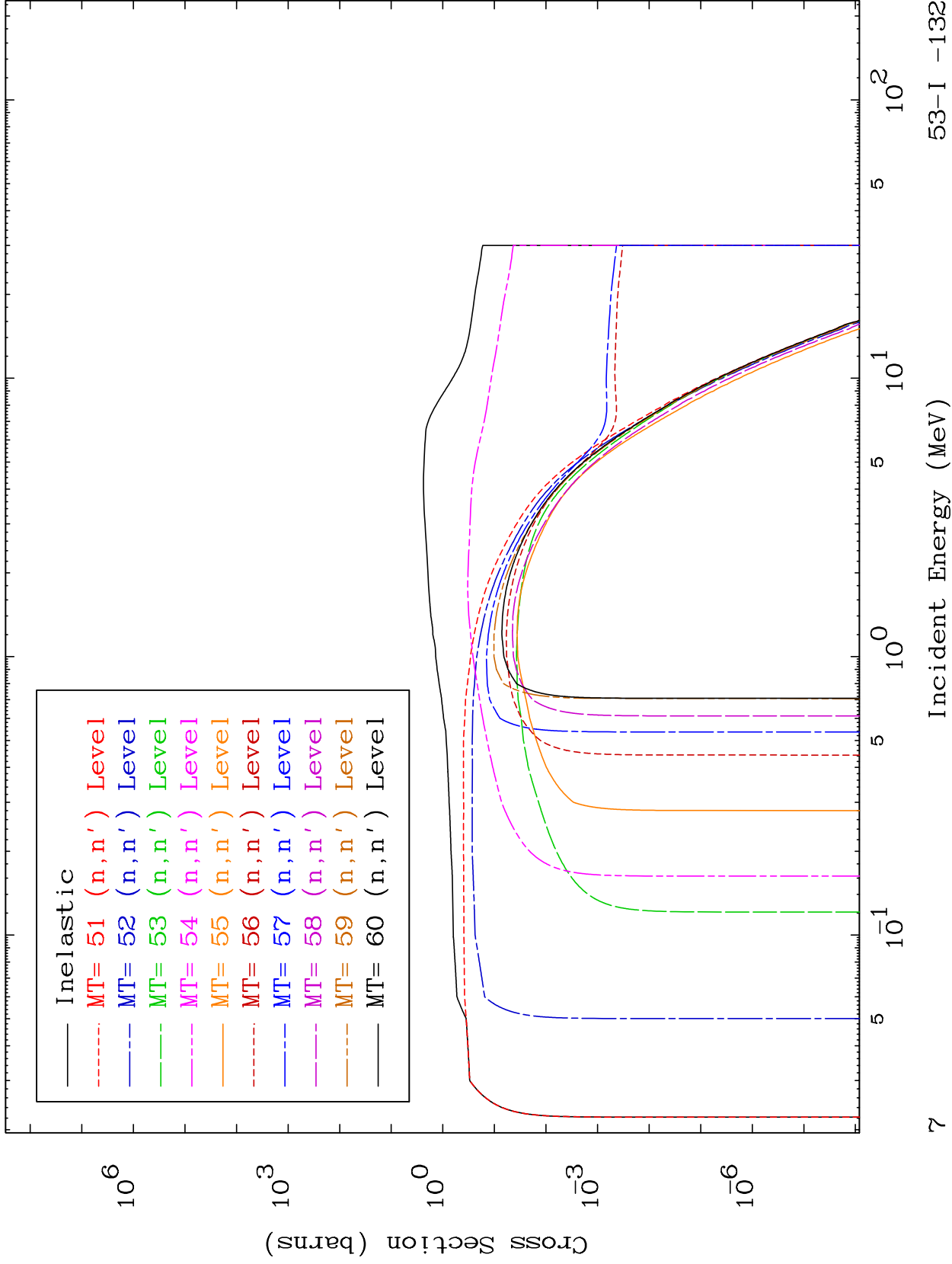




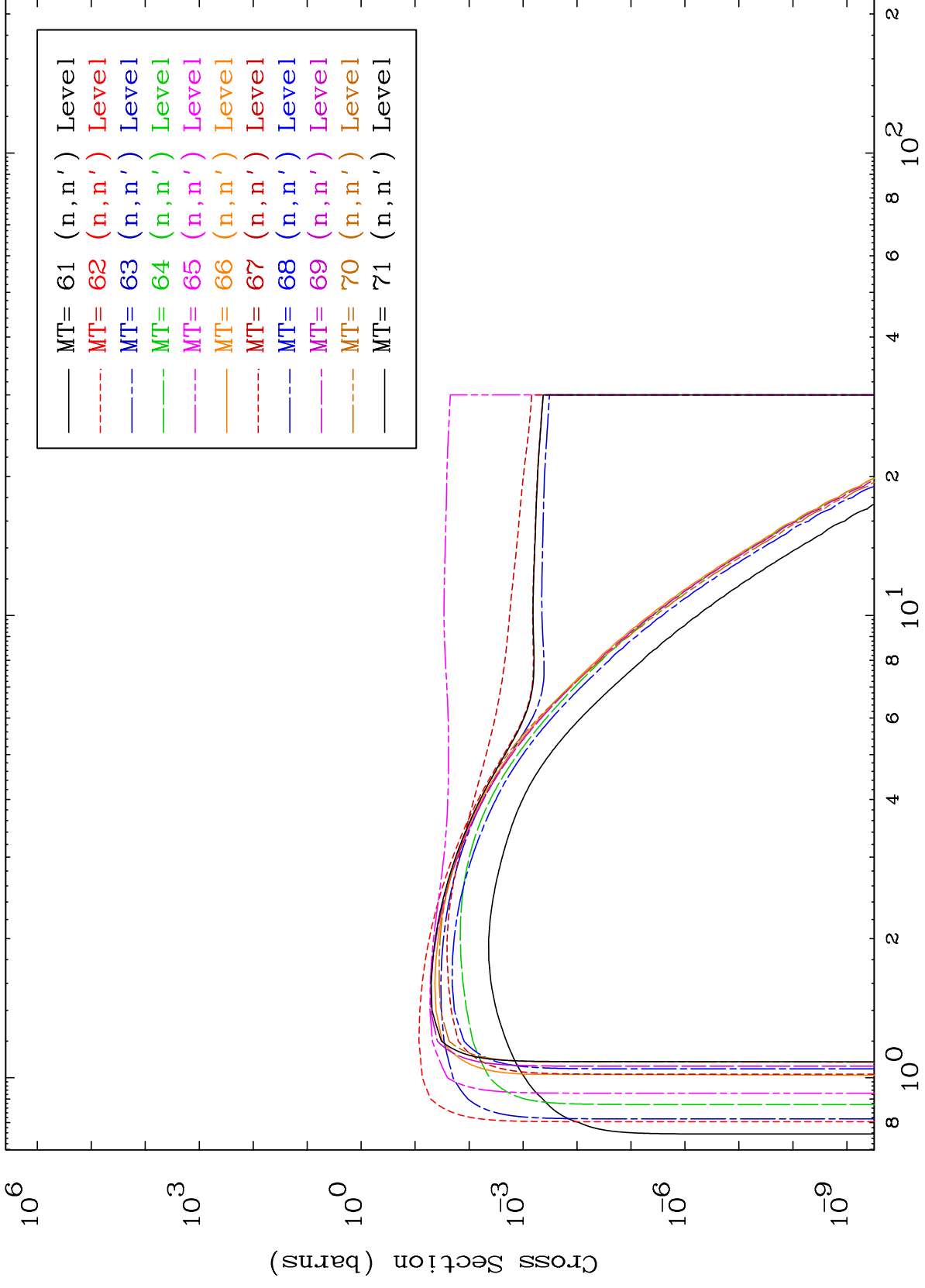




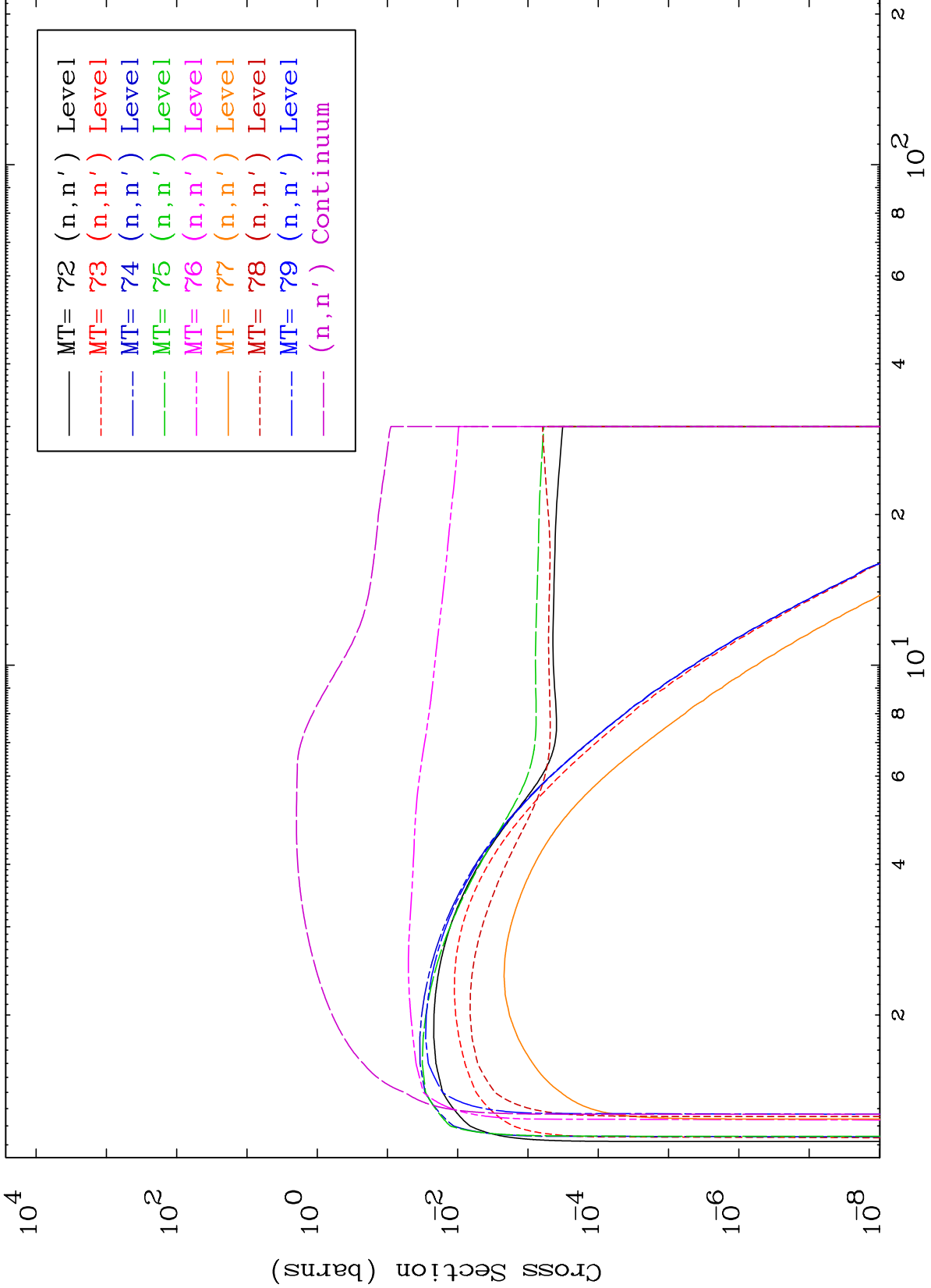




293 Kelvin Cross Sections



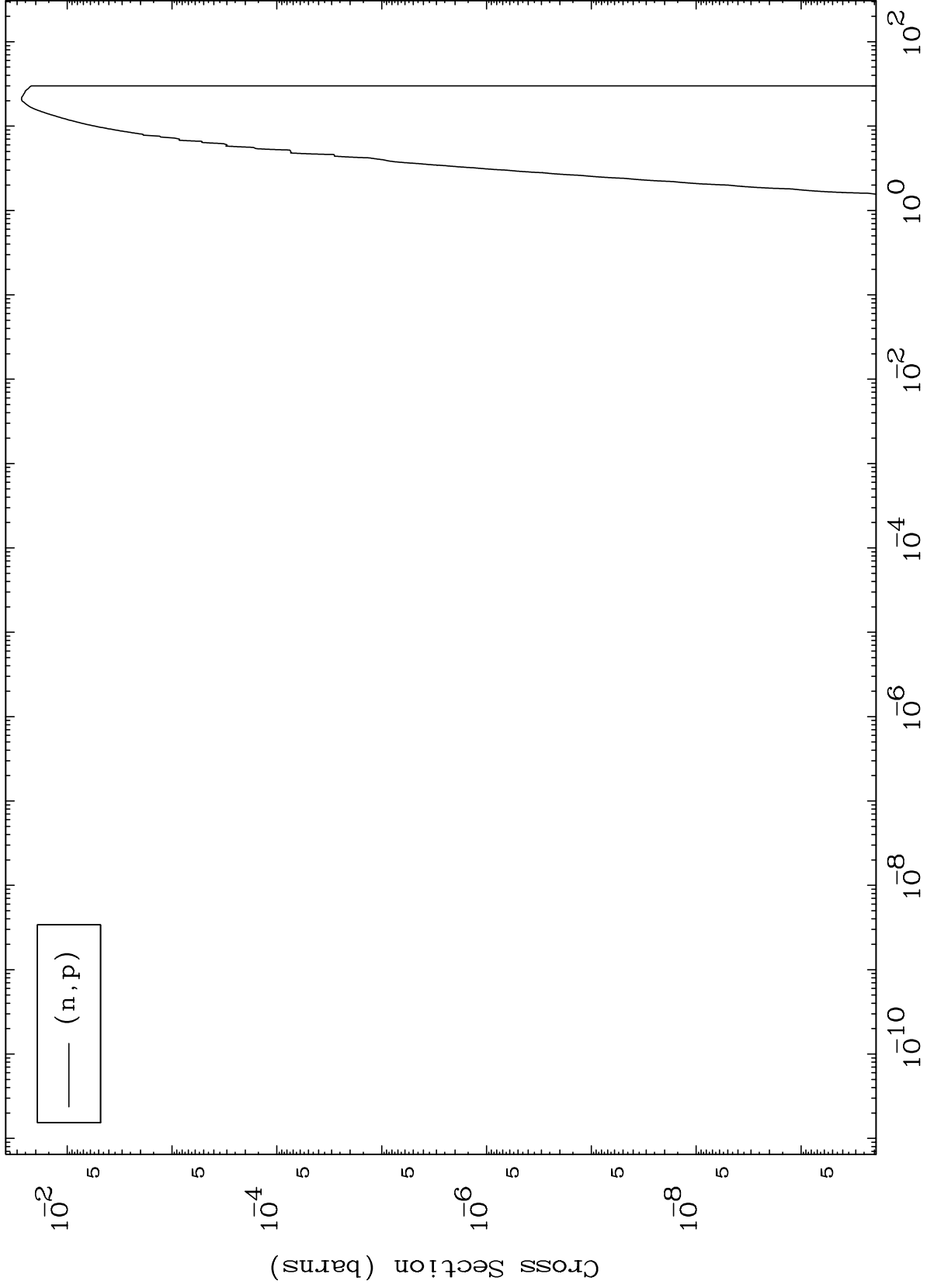
293 Kelvin Cross Sections



MAT 5340

(n,p) Levels
293 Kelvin Cross Sections

53-I -132



10

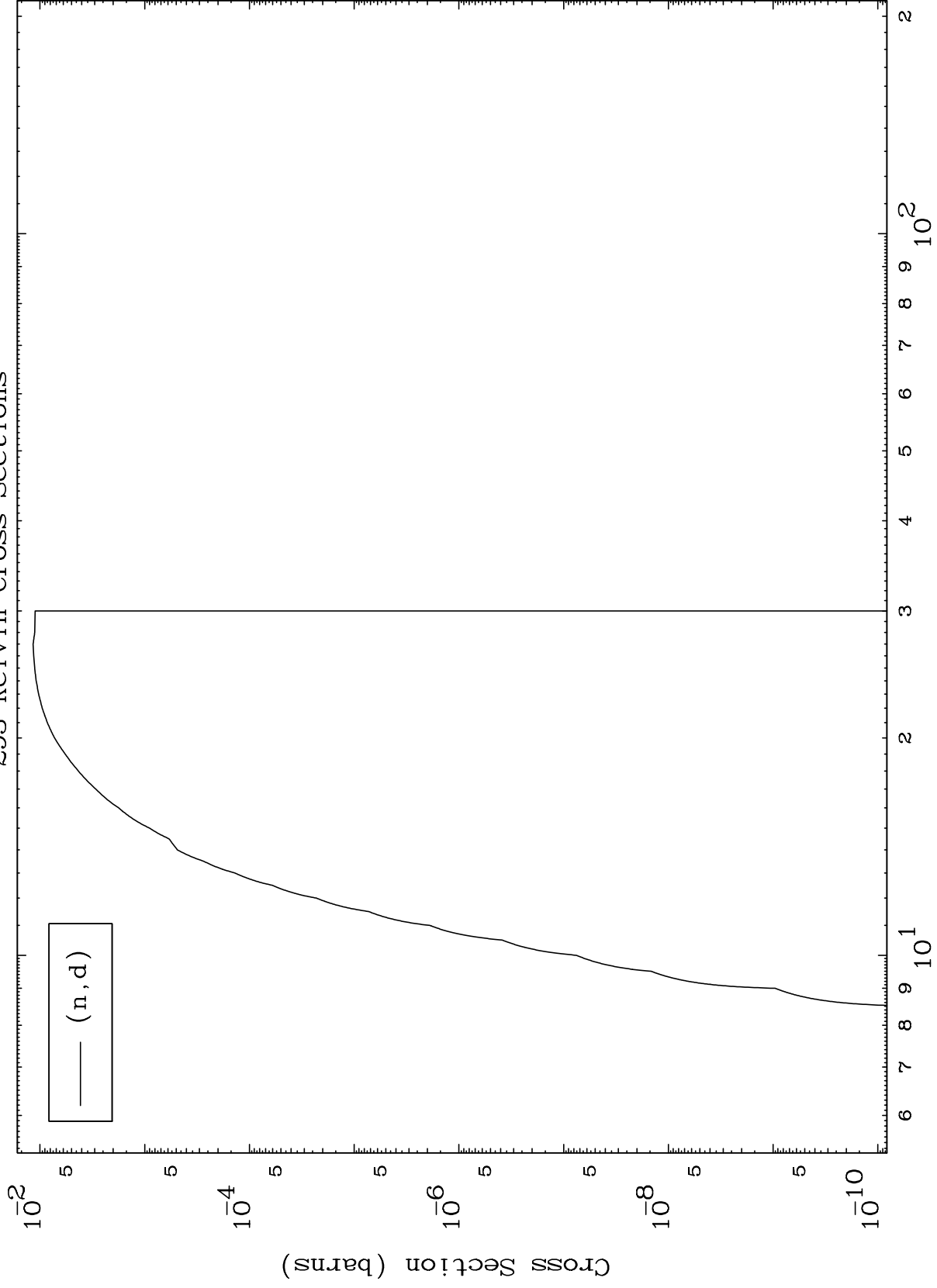
Incident Energy (MeV)

53-I -132

MAT 5340

(n,d) Levels
293 Kelvin Cross Sections

53-I -132



11

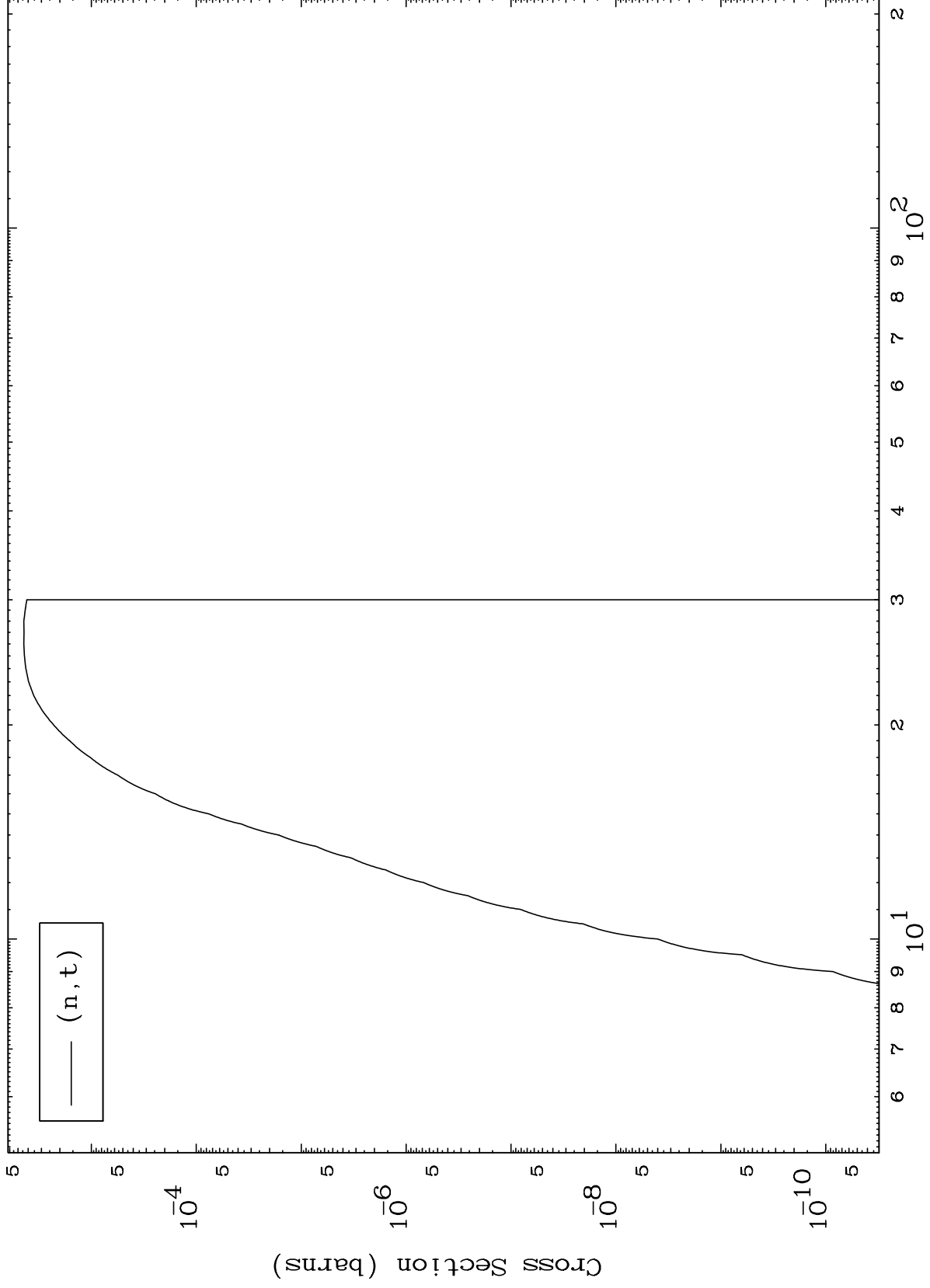
Incident Energy (MeV)

53-I -132

MAT 5340

(n,t) Levels
293 Kelvin Cross Sections

53-I -132



12

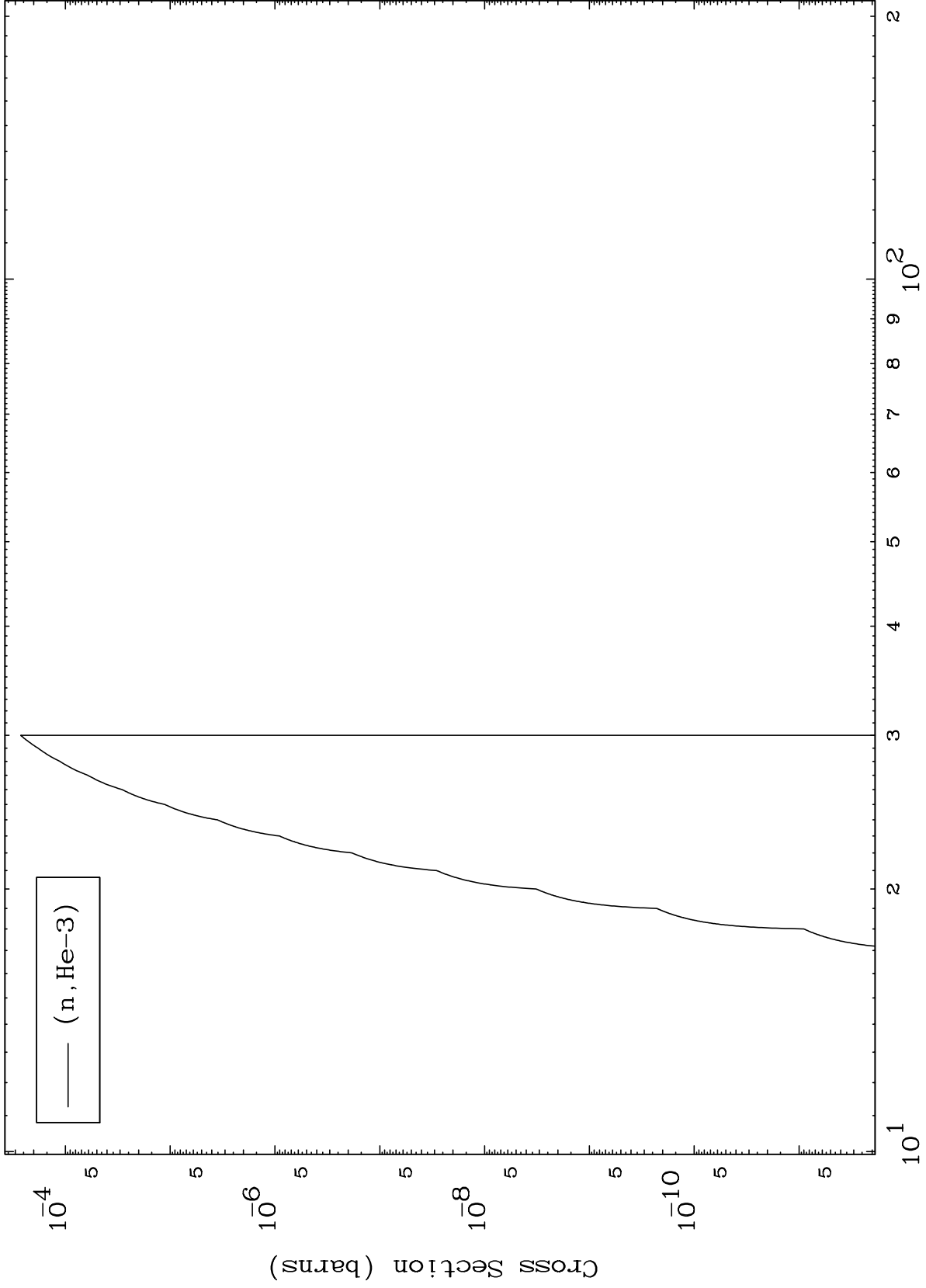
Incident Energy (MeV)

53-I -132

MAT 5340

(n,He3) Levels
293 Kelvin Cross Sections

53-I -132



13

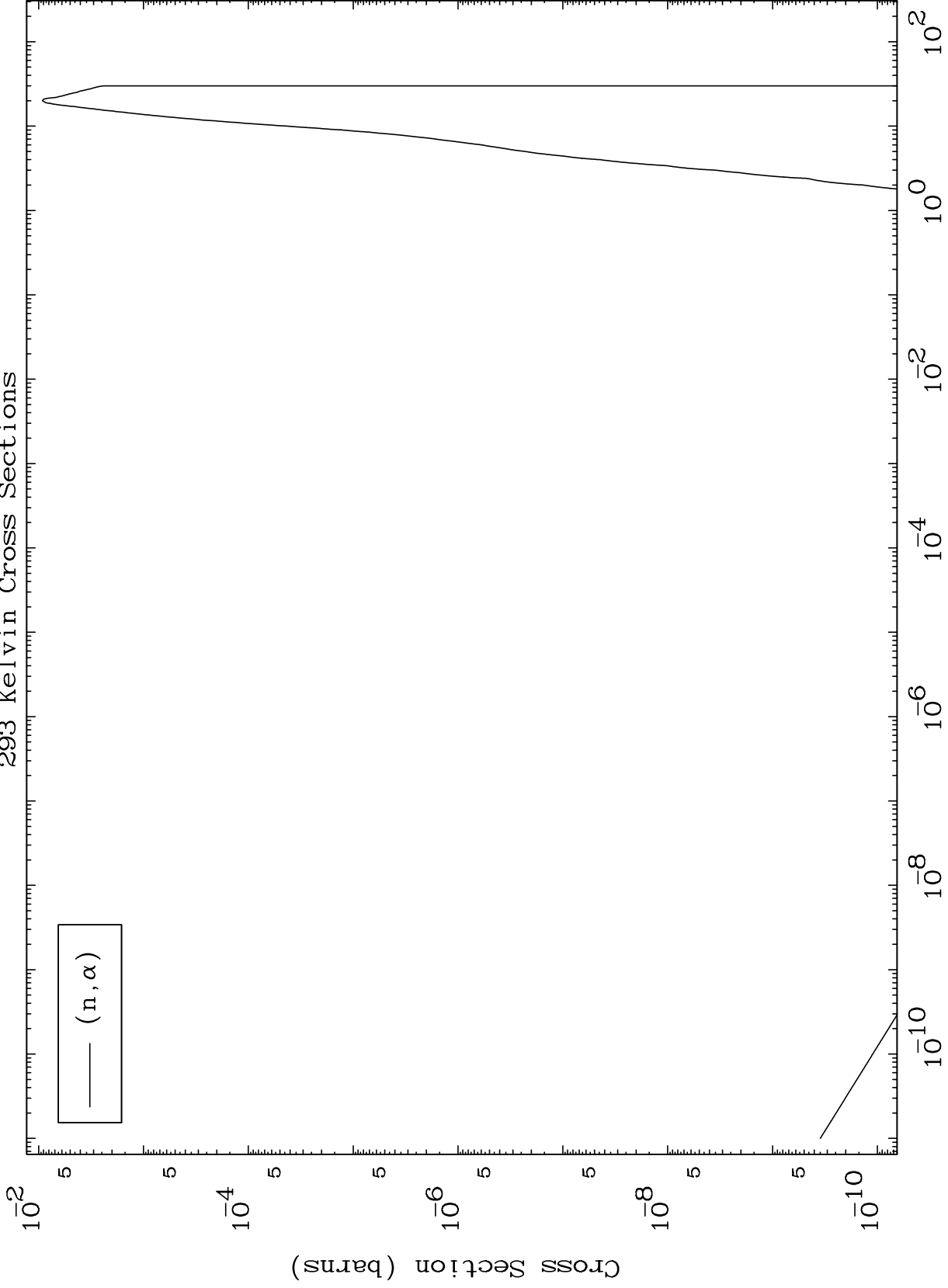
Incident Energy (MeV)

53-I -132

MAT 5340

(n, α) Levels
293 Kelvin Cross Sections

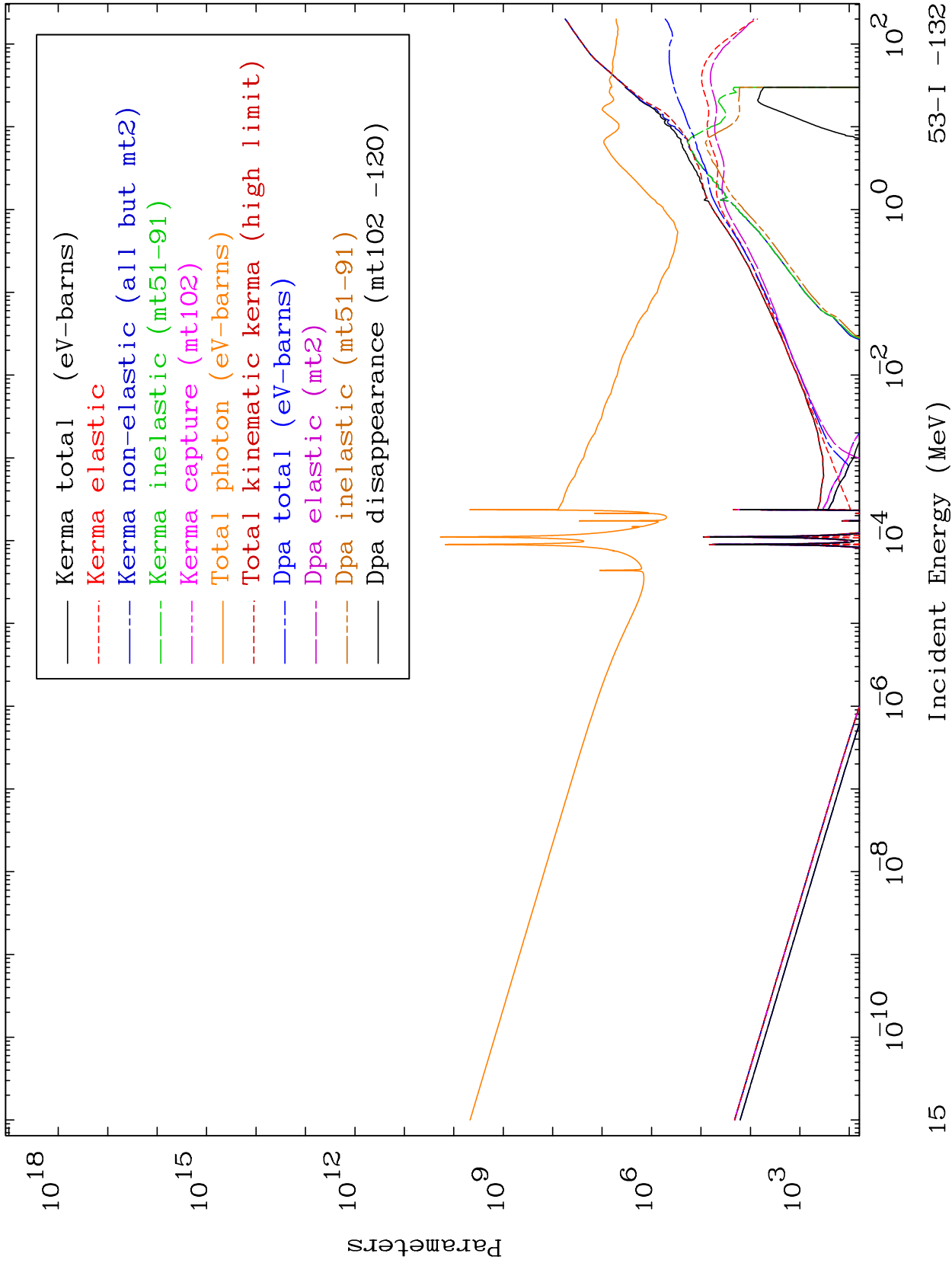
53-I -132

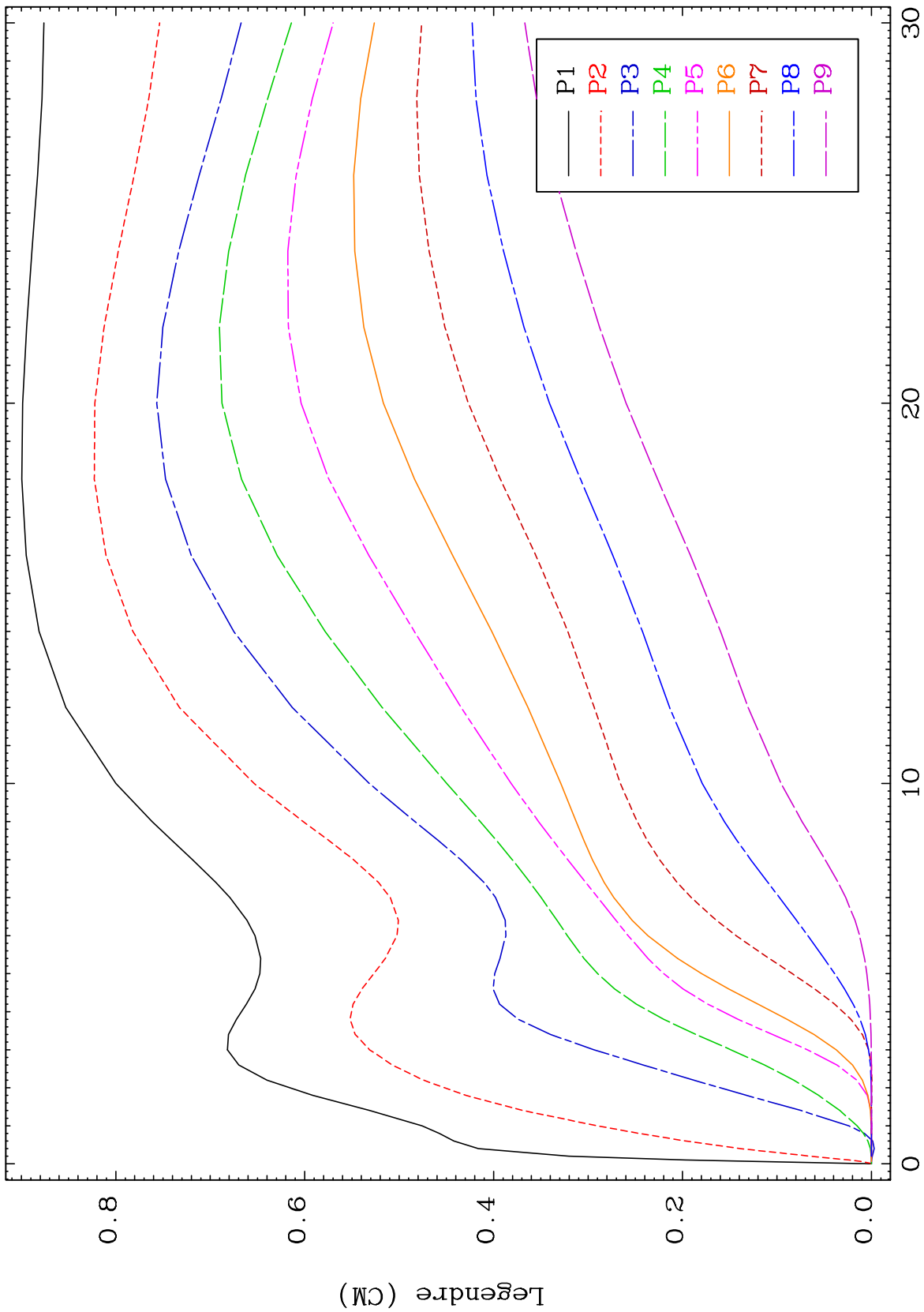


14

Incident Energy (MeV)

53-I -132

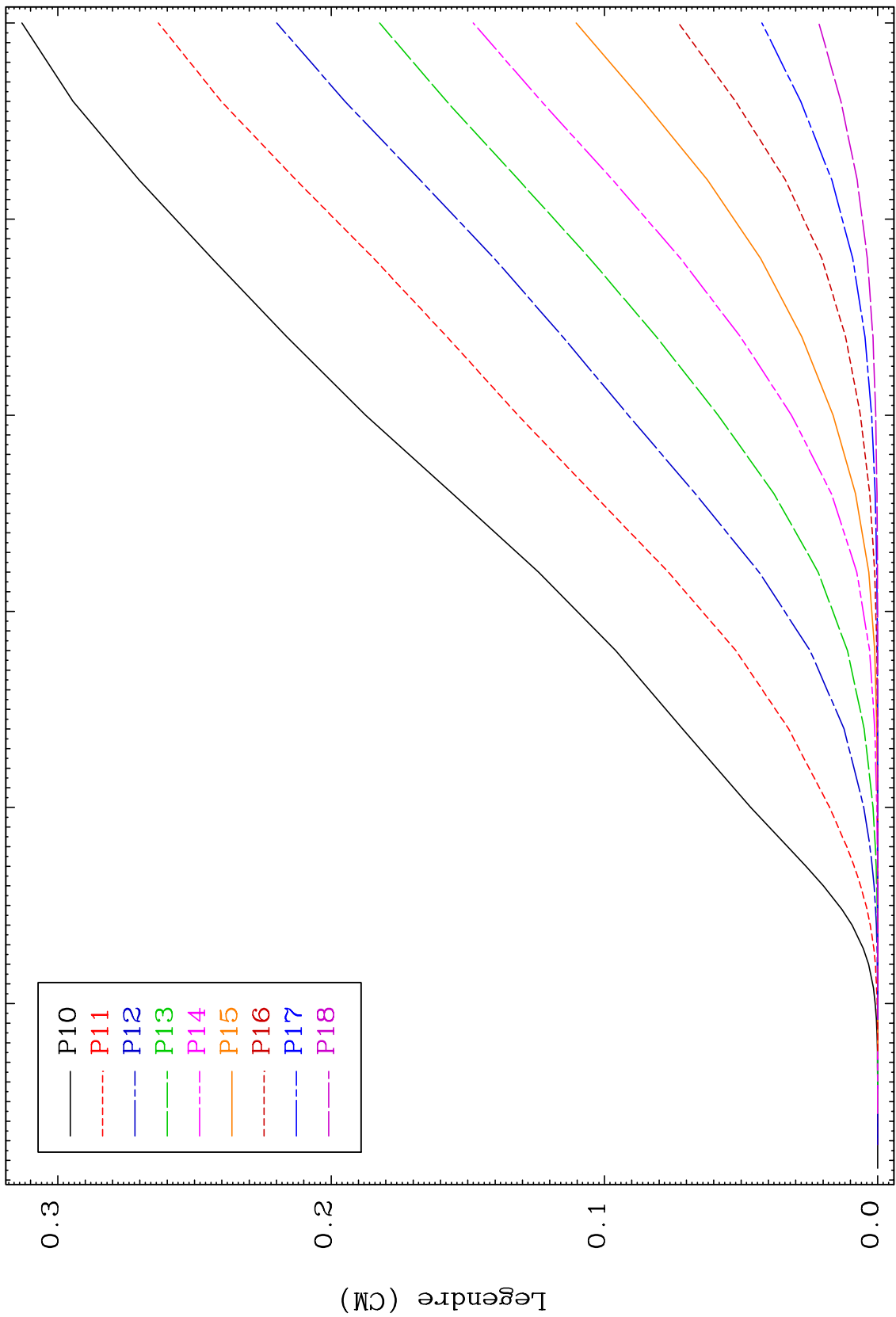




MAT 5340

Elastic Legendre Coefficients

53-I -132



17

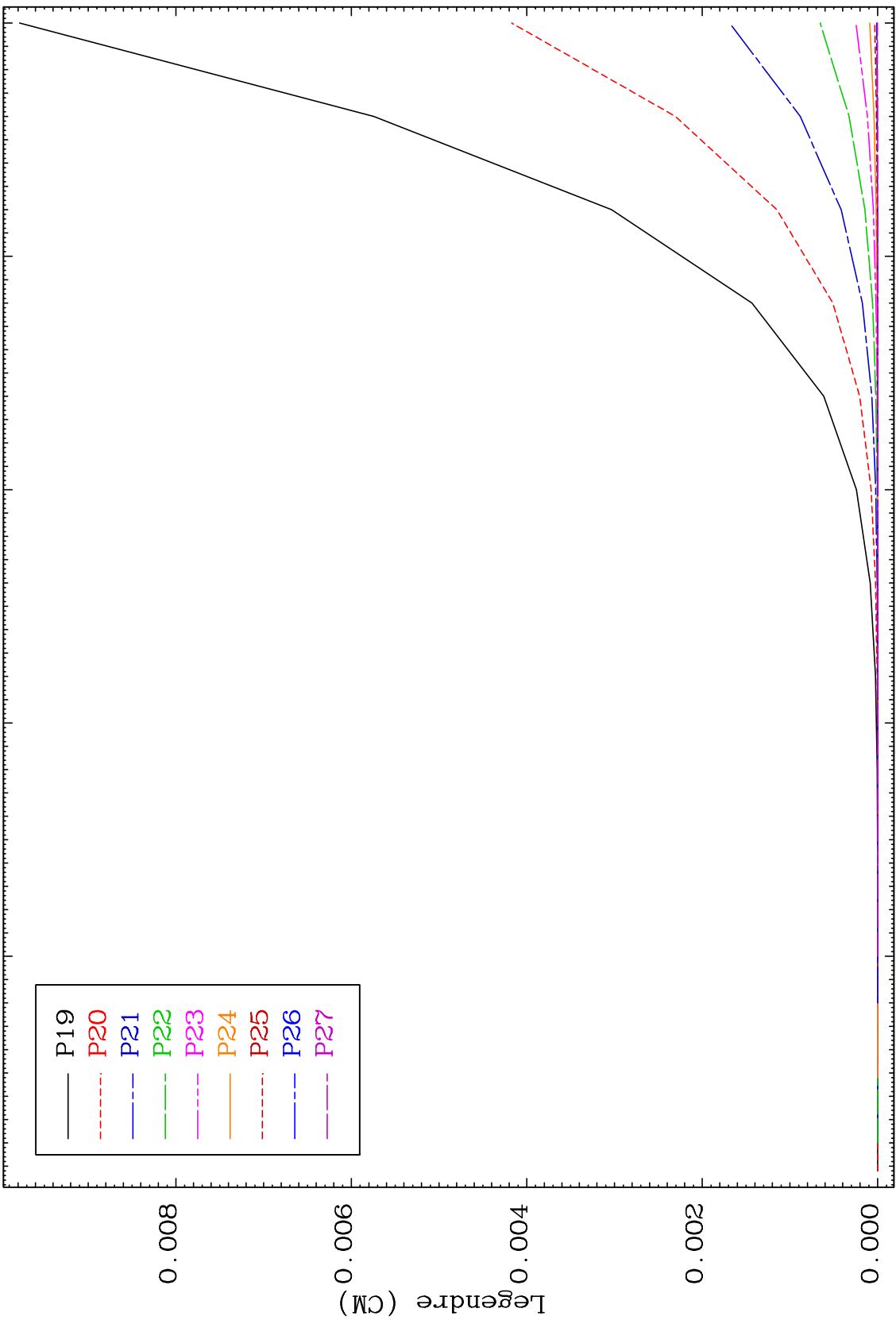
Incident Energy (MeV)

53-I -132

MAT 5340

Elastic Legendre Coefficients

53-I -132



18

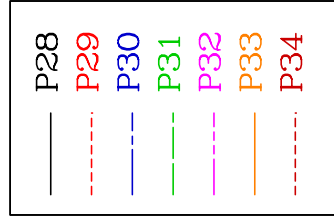
Incident Energy (MeV)

53-I -132

MAT 5340

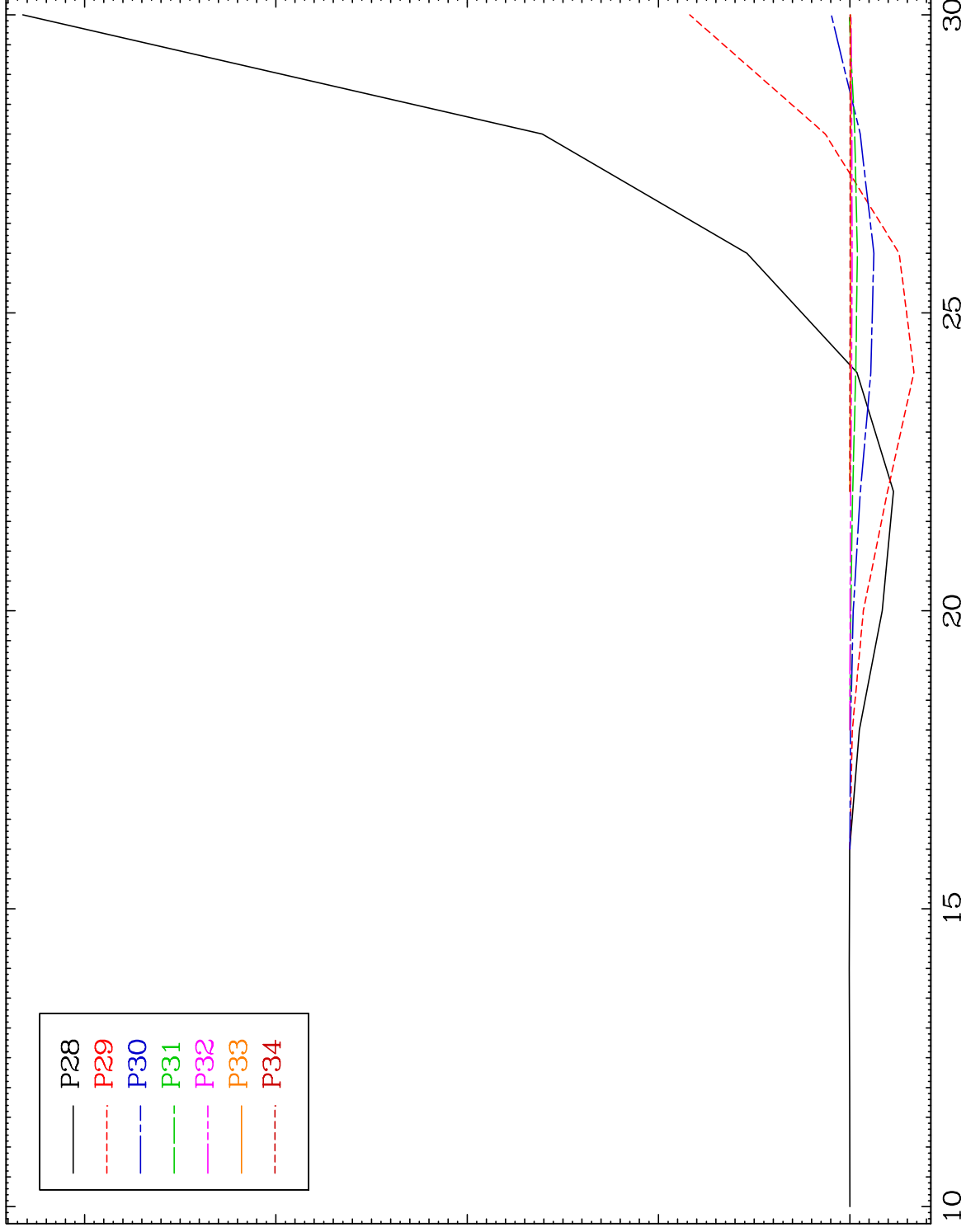
Elastic
Legendre Coefficients

53-I -132



$\times 10^{-7}$

Legendre (CM)



10

15

20

25

30

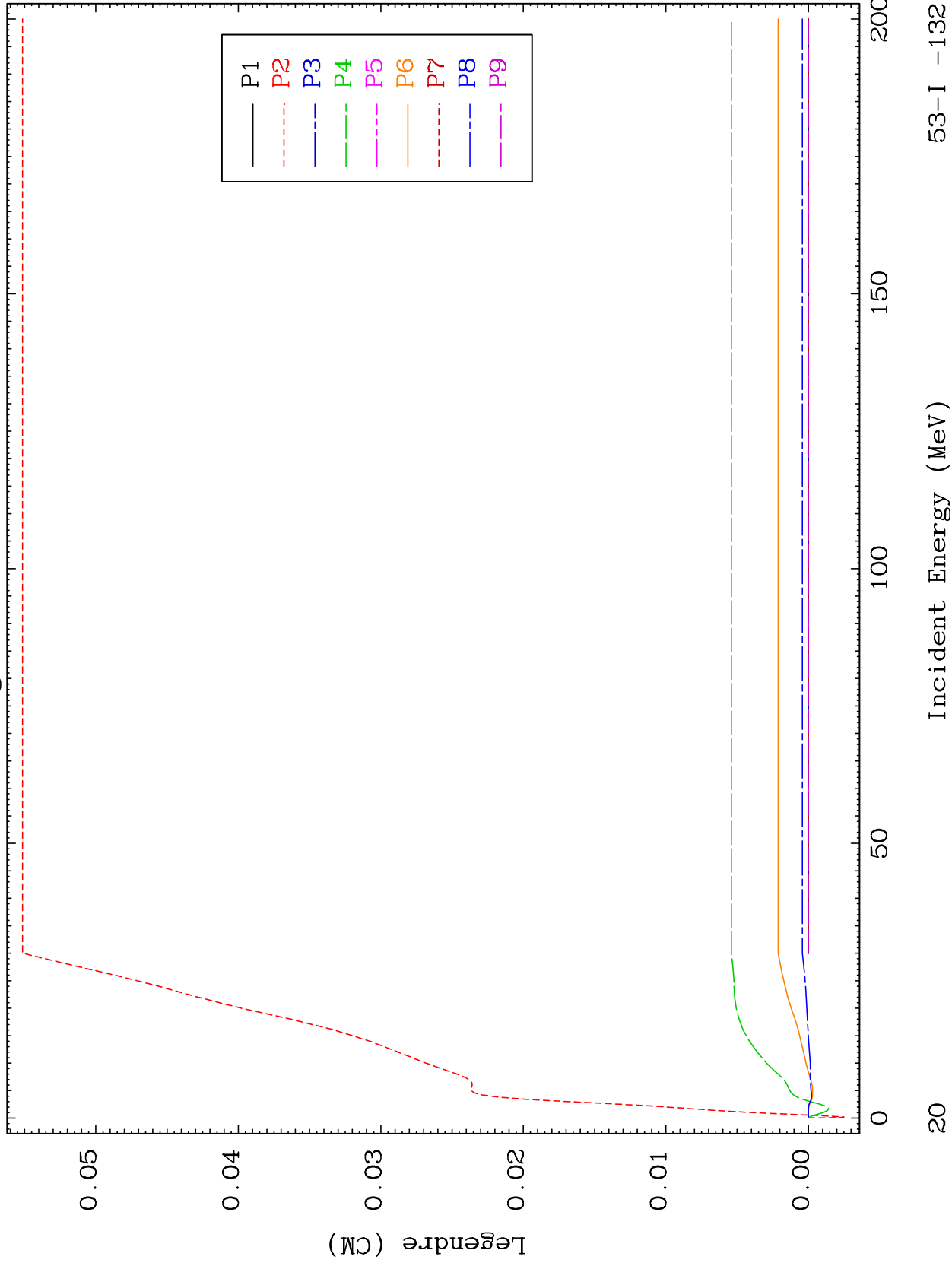
Incident Energy (MeV)

53-I -132

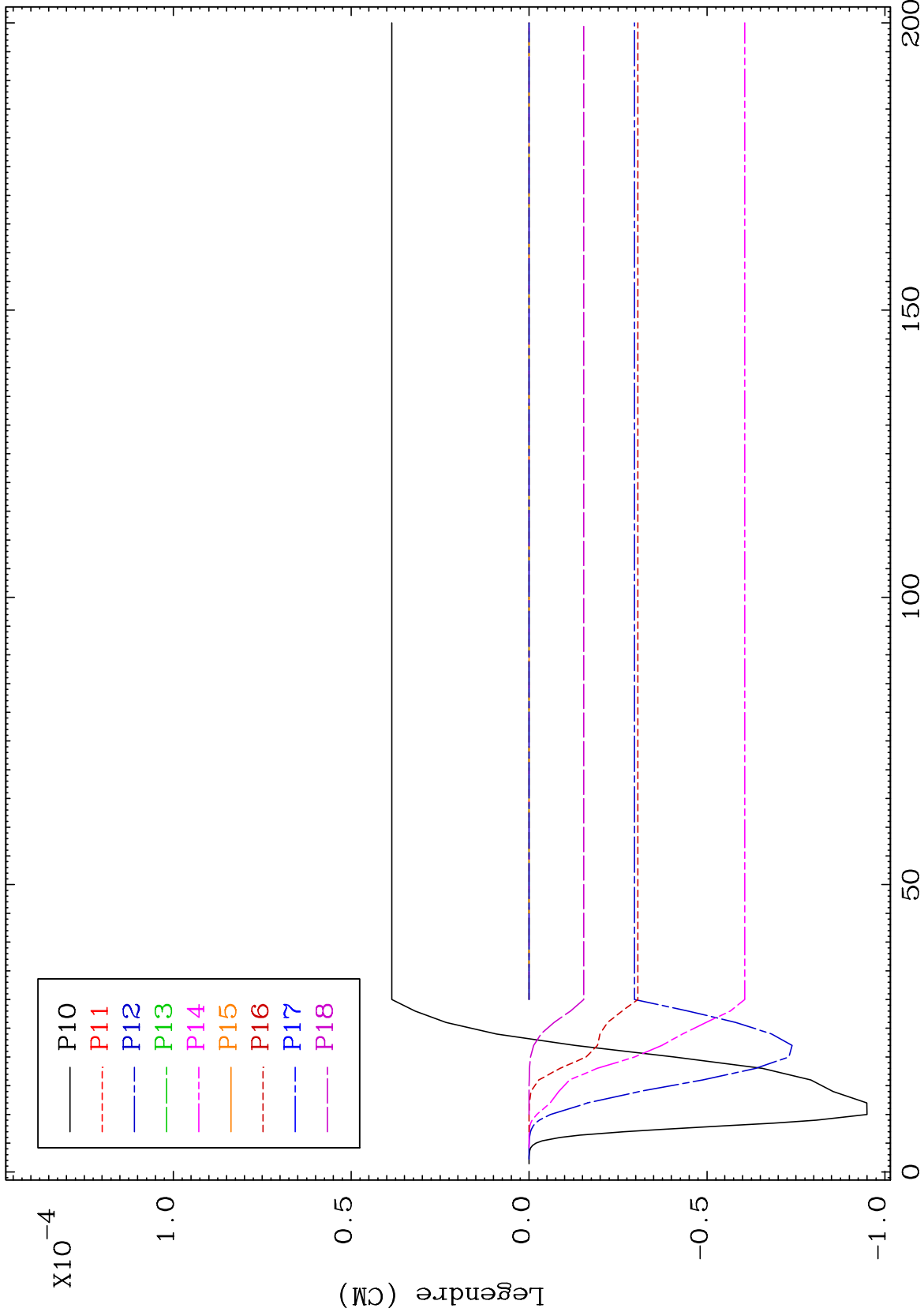
MAT 5340

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

53-I -132



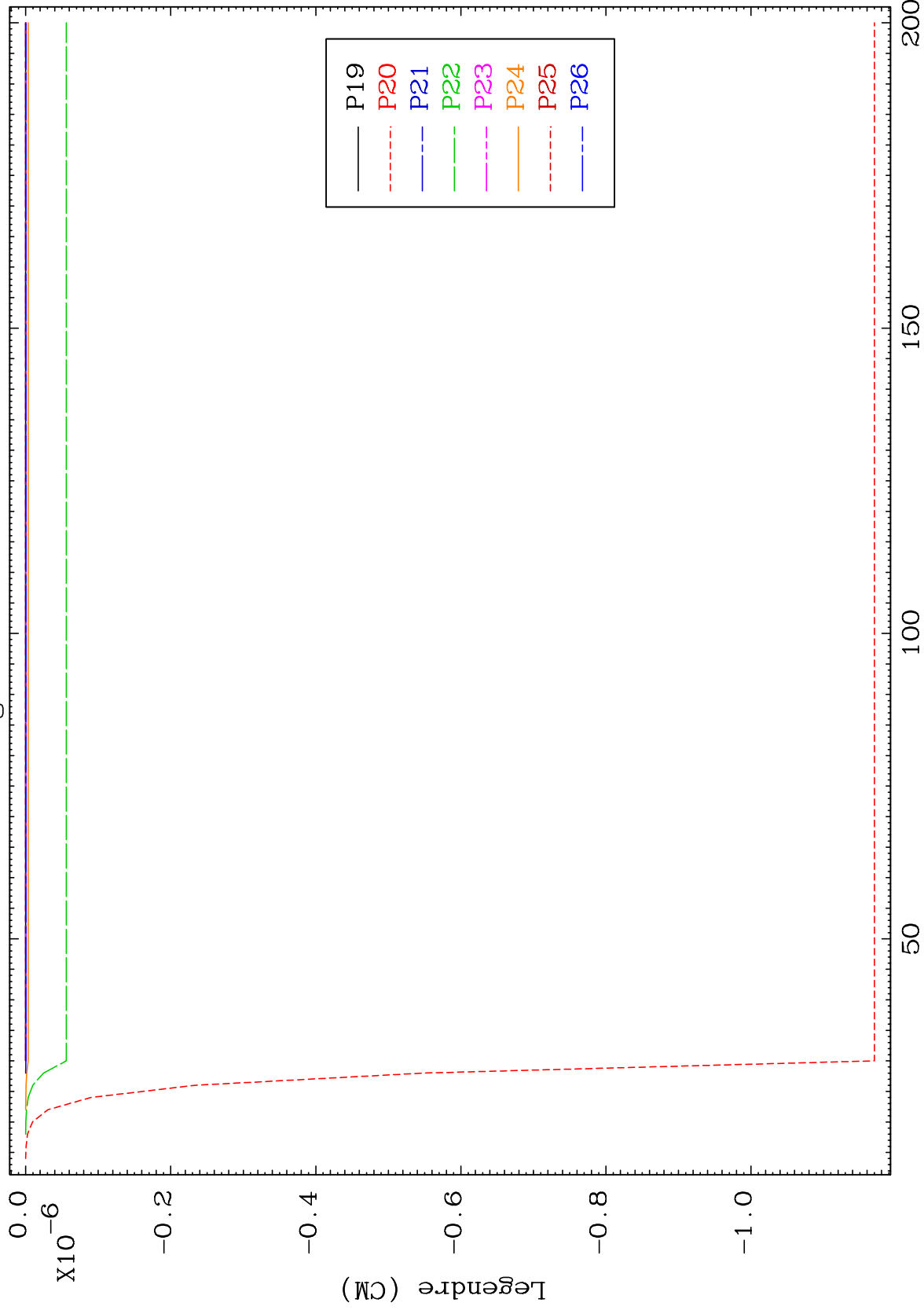
53-I -132



MAT 5340

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

53-I -132



22

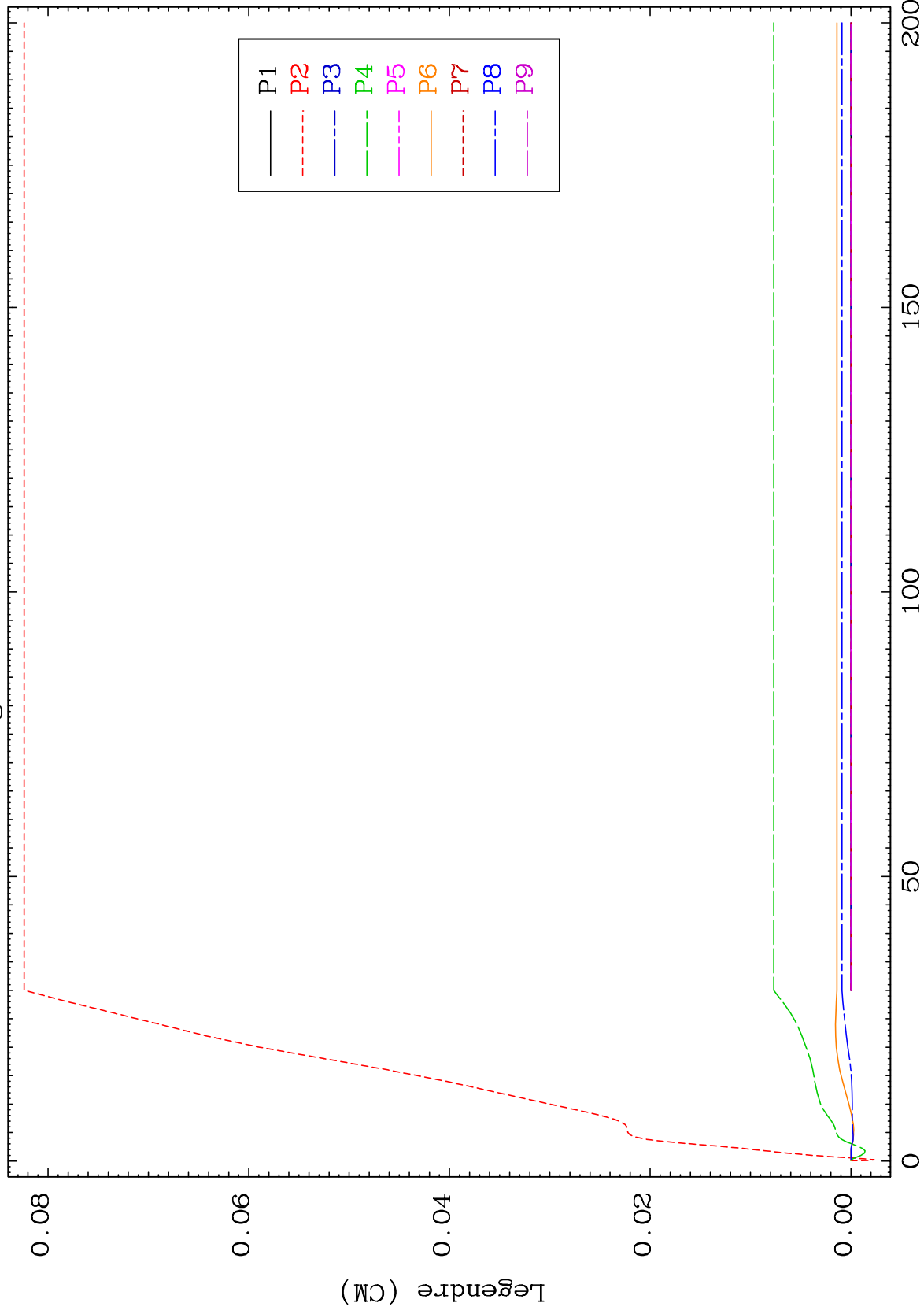
Incident Energy (MeV)

53-I -132

MAT 5340

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

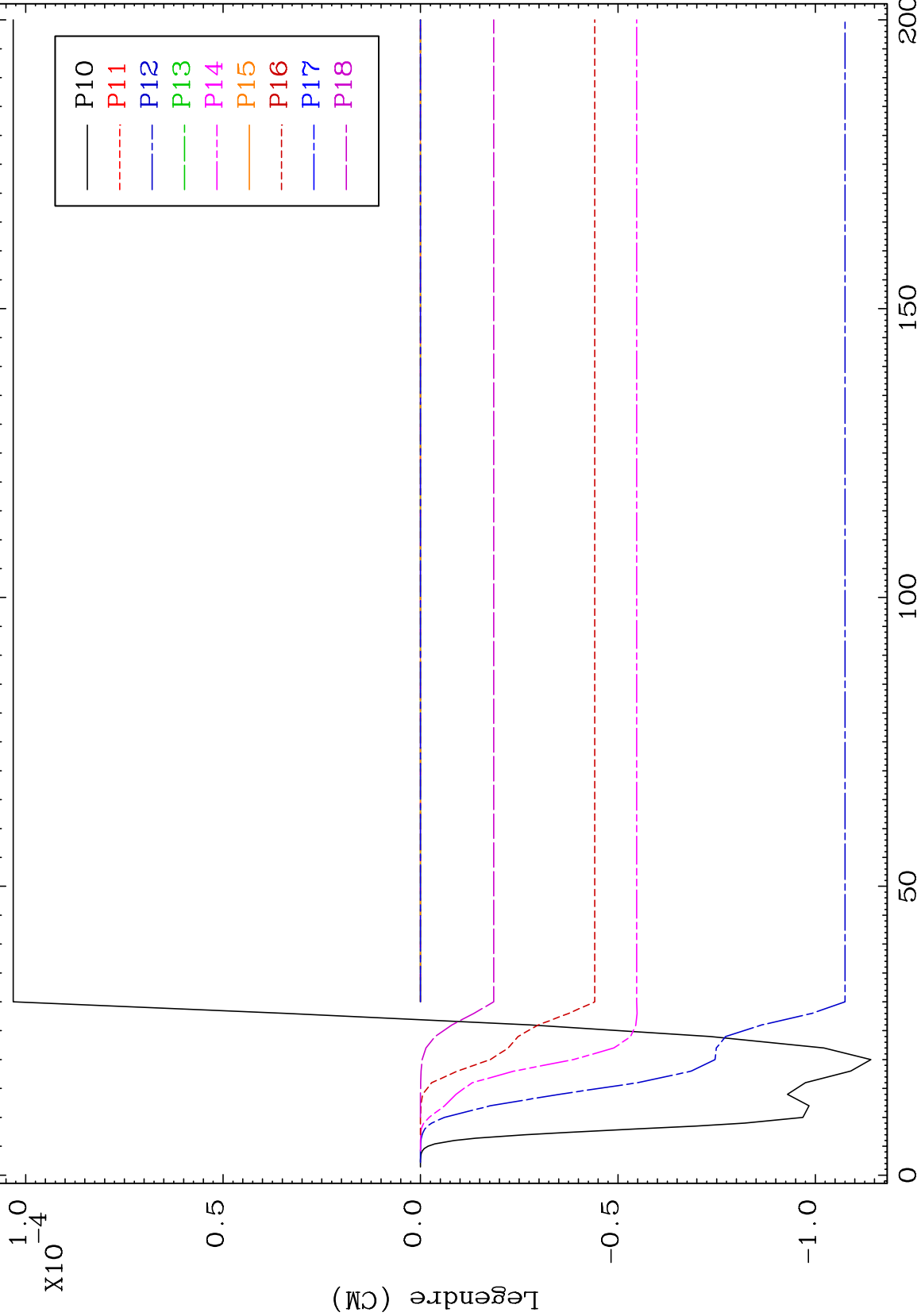
53-I -132



23

Incident Energy (MeV)

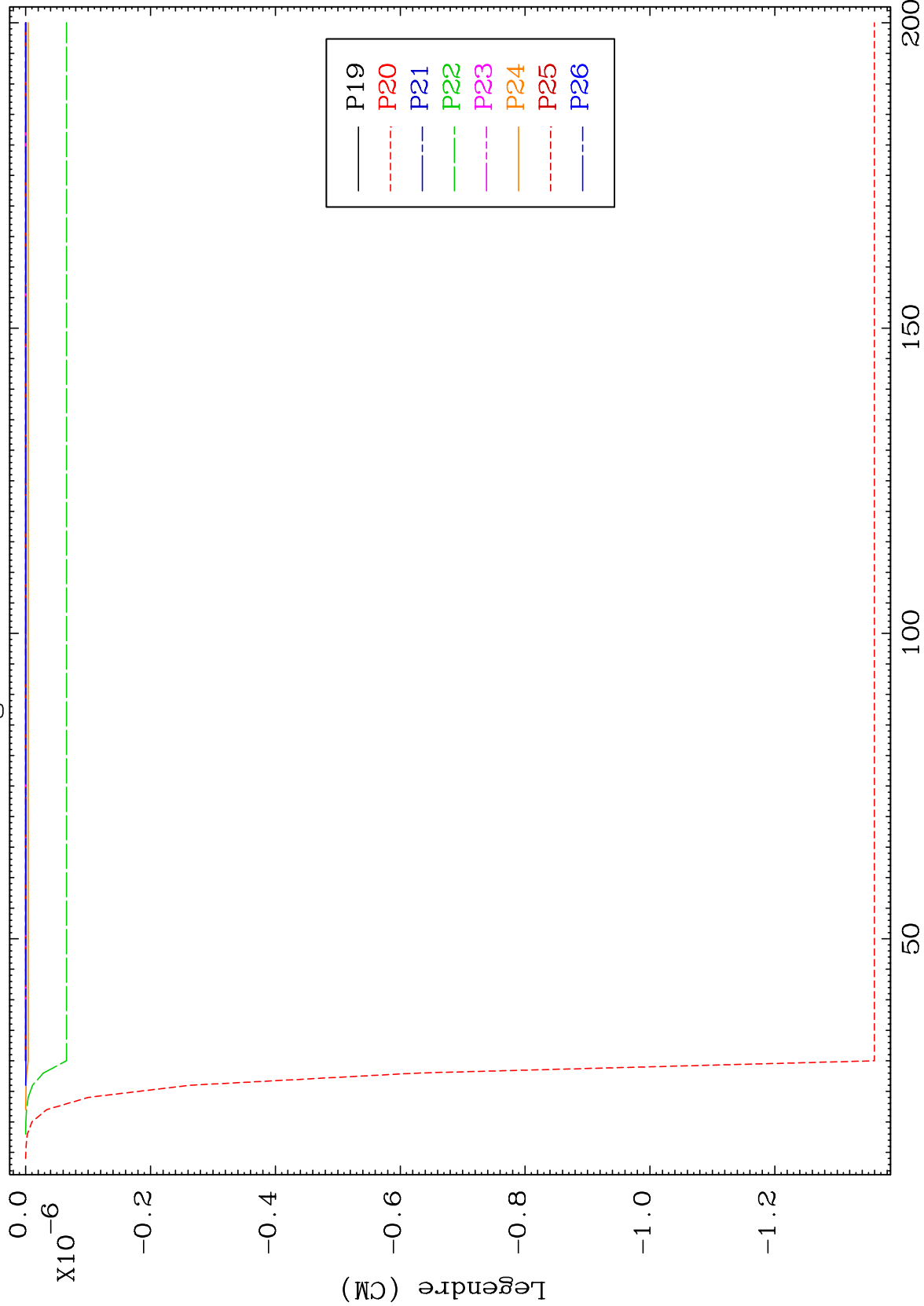
53-I -132



MAT 5340

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

53-I -132



25

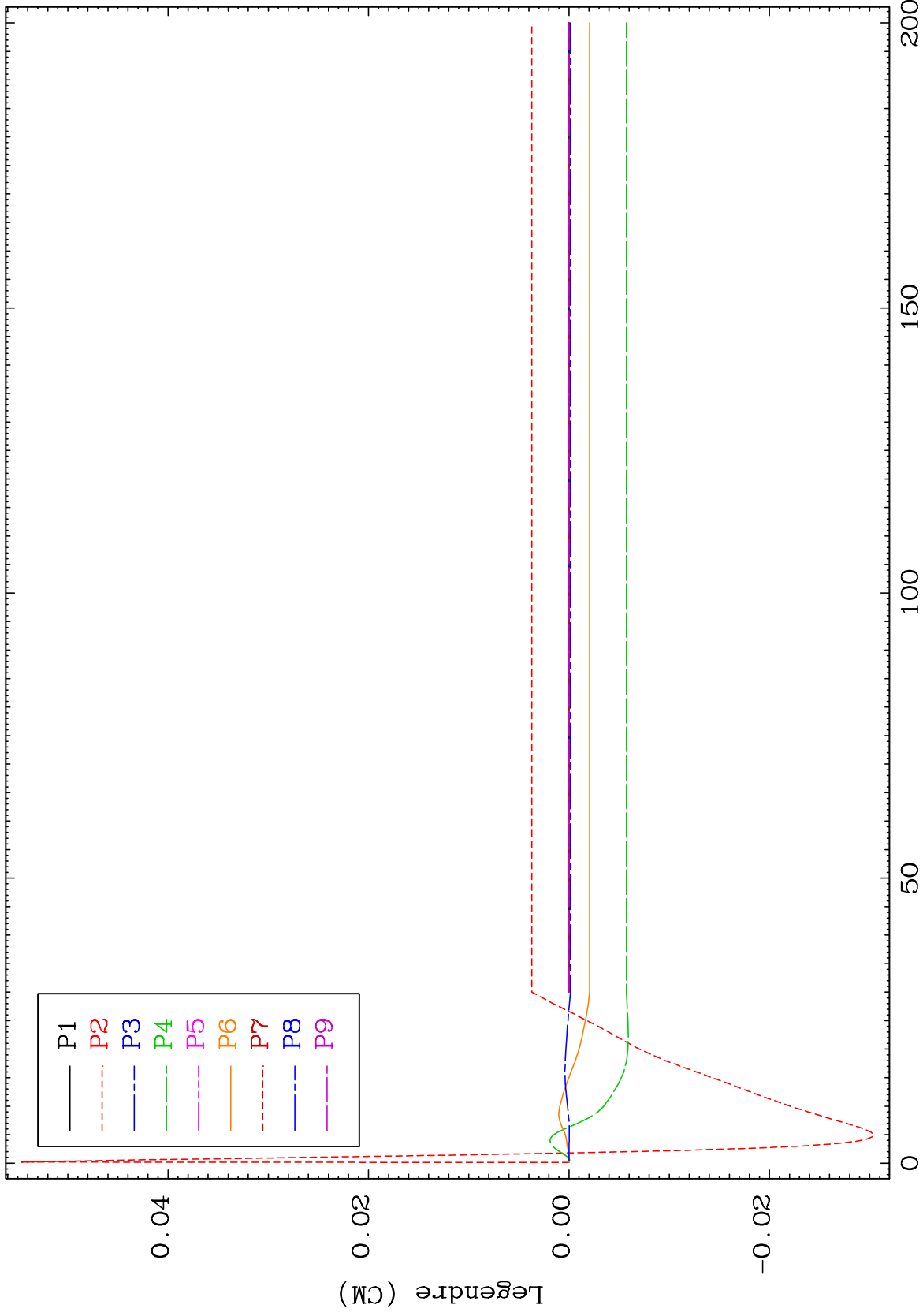
Incident Energy (MeV)

53-I -132

MAT 5340

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

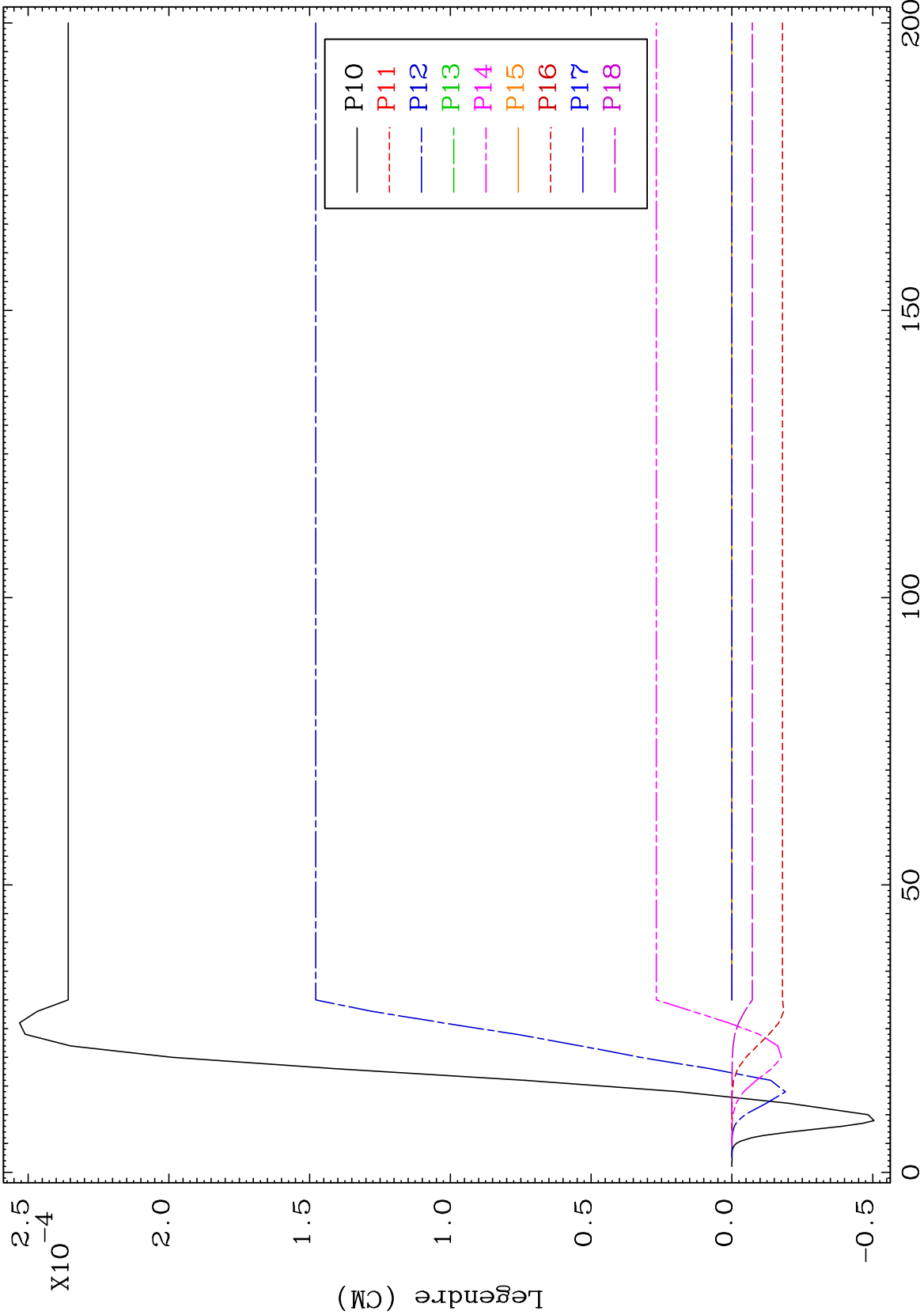
53-I -132



26

Incident Energy (MeV)

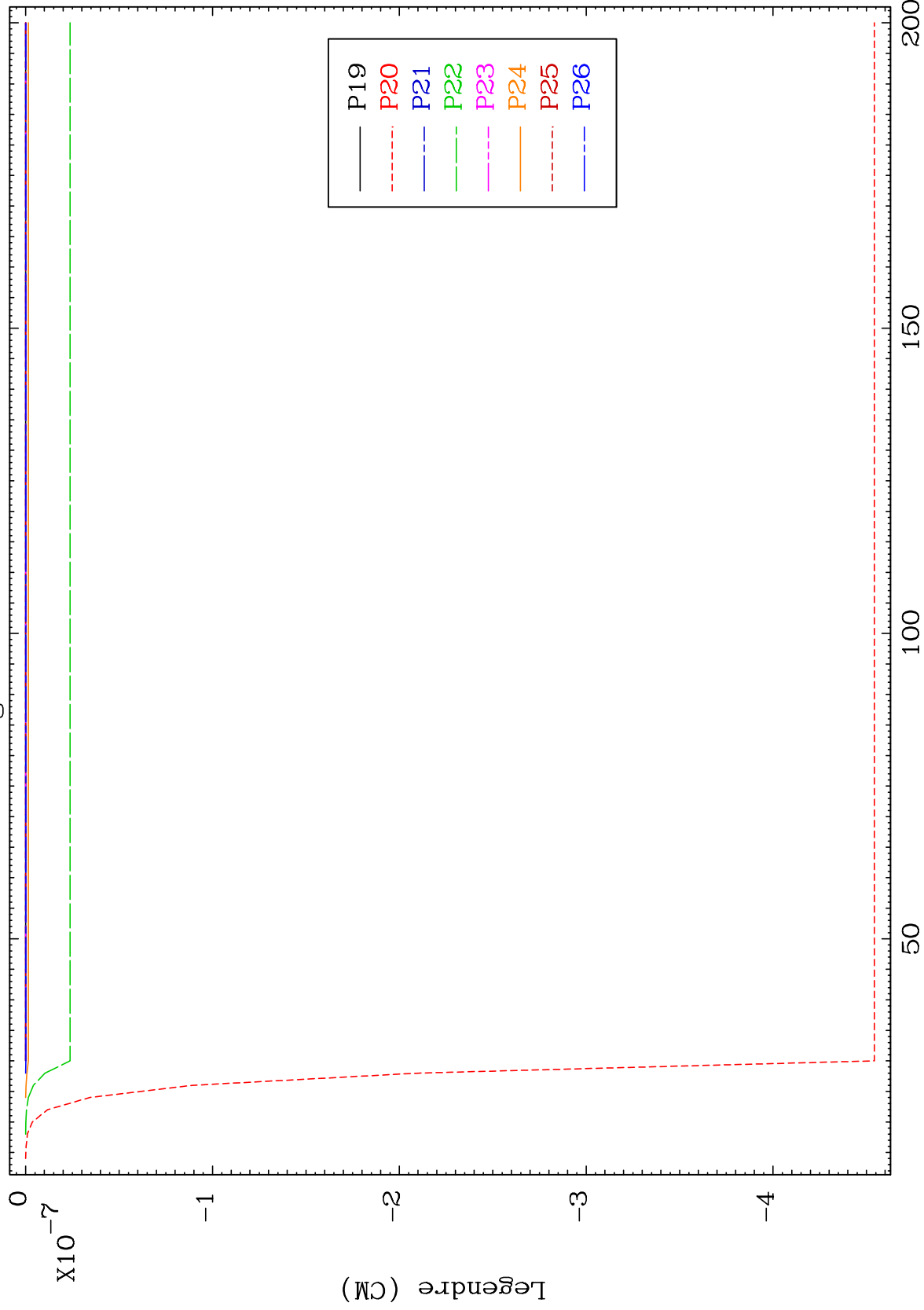
53-I -132



MAT 5340

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

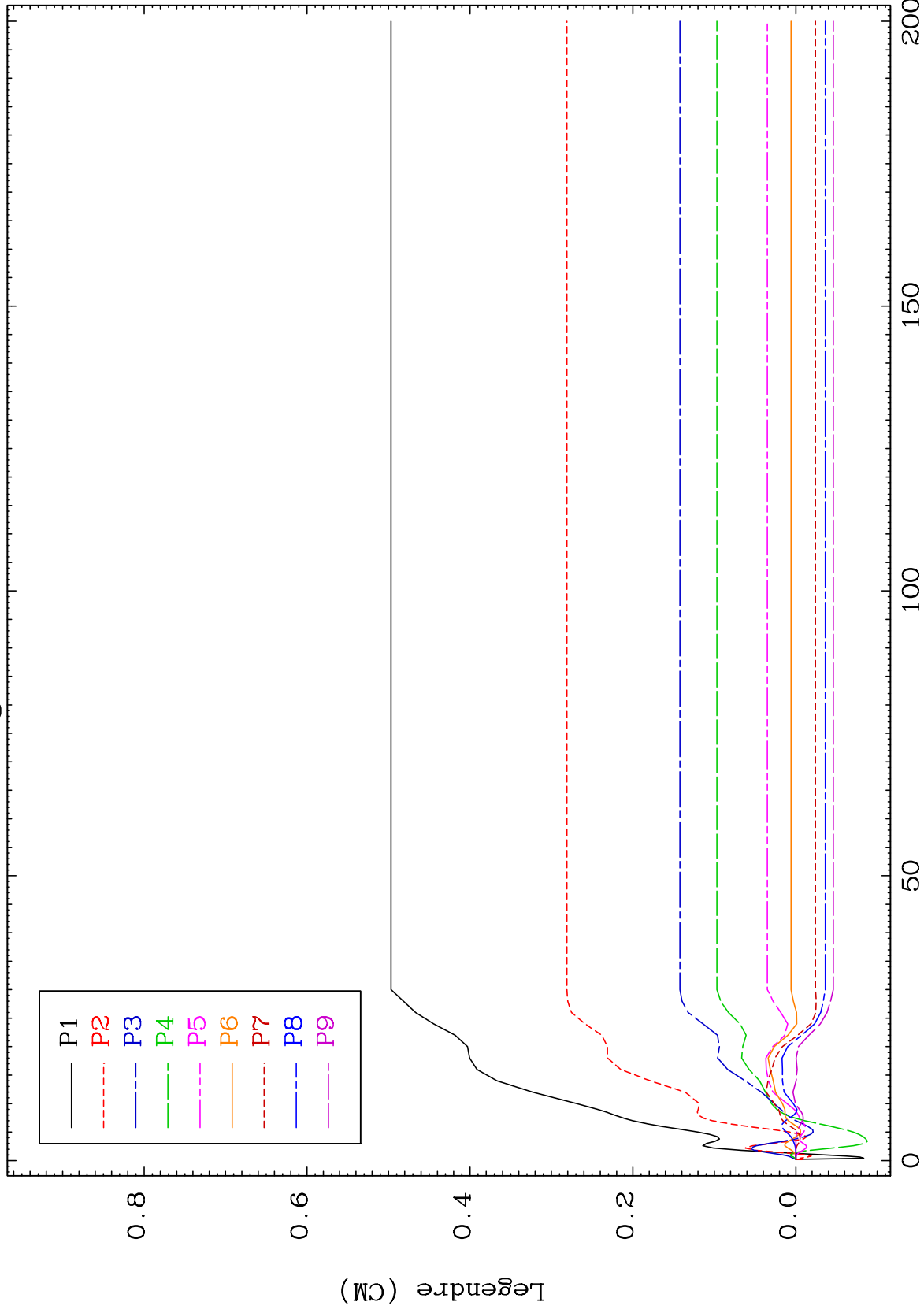
53-I -132



28

Incident Energy (MeV)

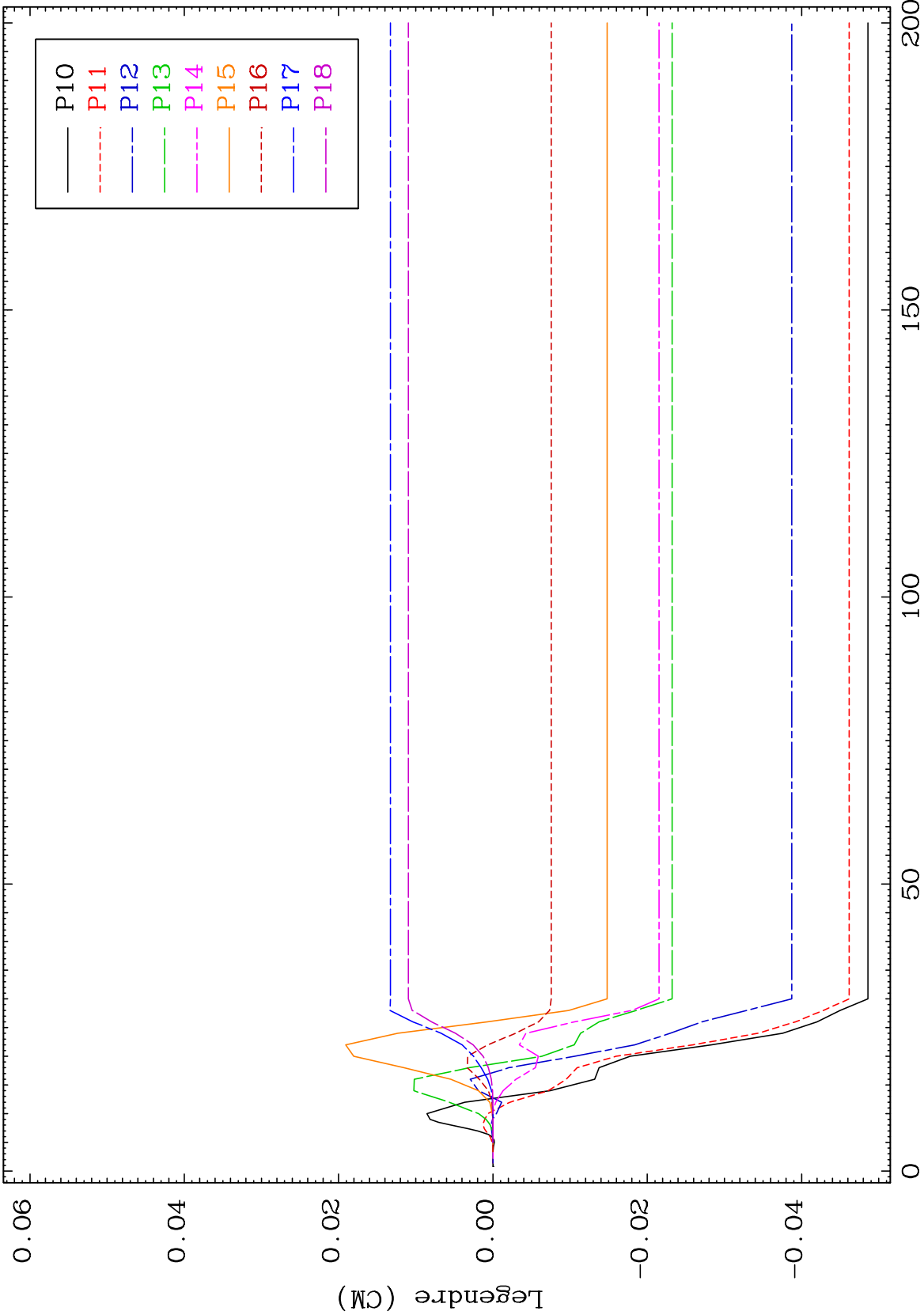
53-I -132



MAT 5340

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

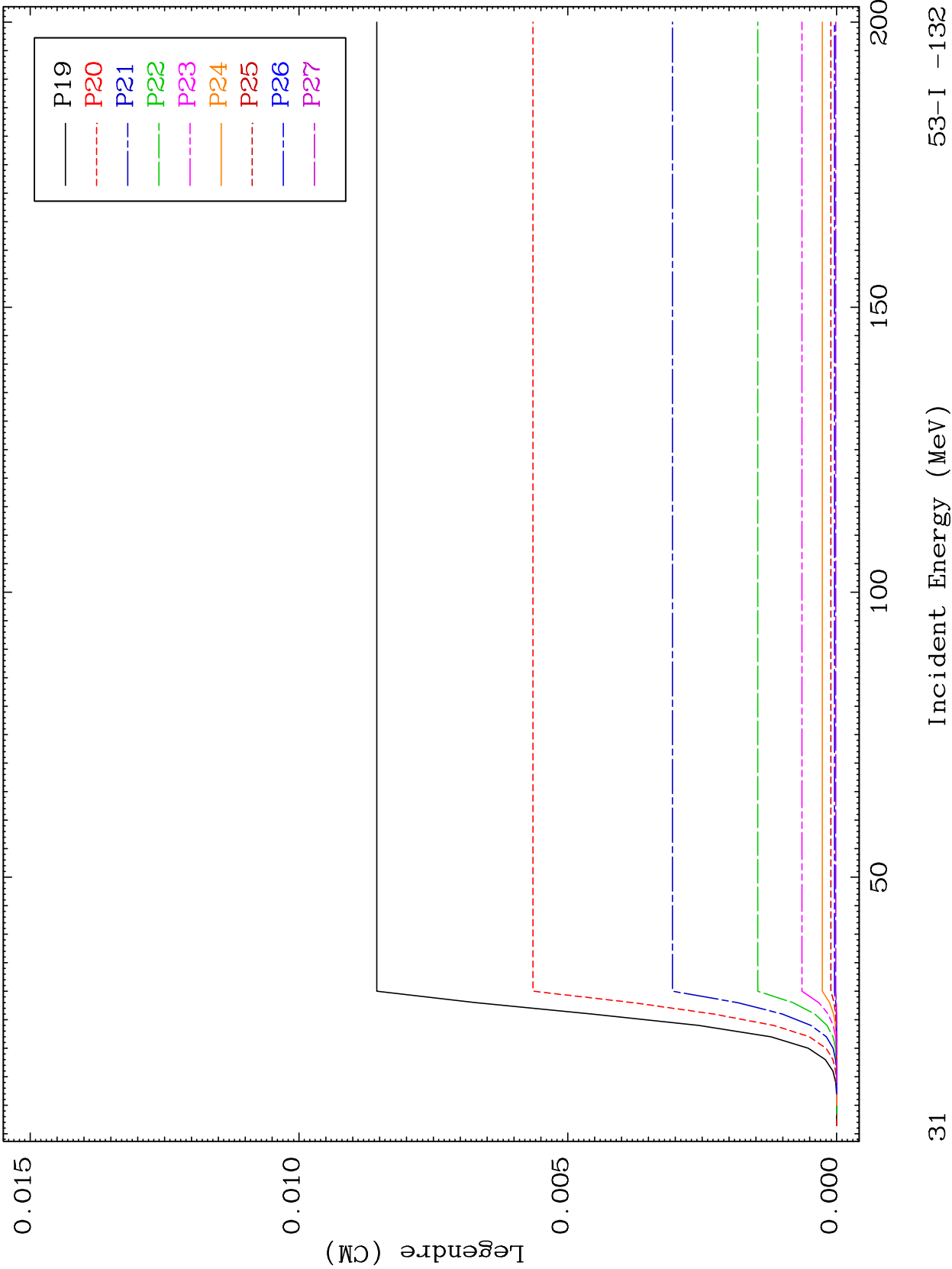
53-I -132



53-I -132

Incident Energy (MeV)

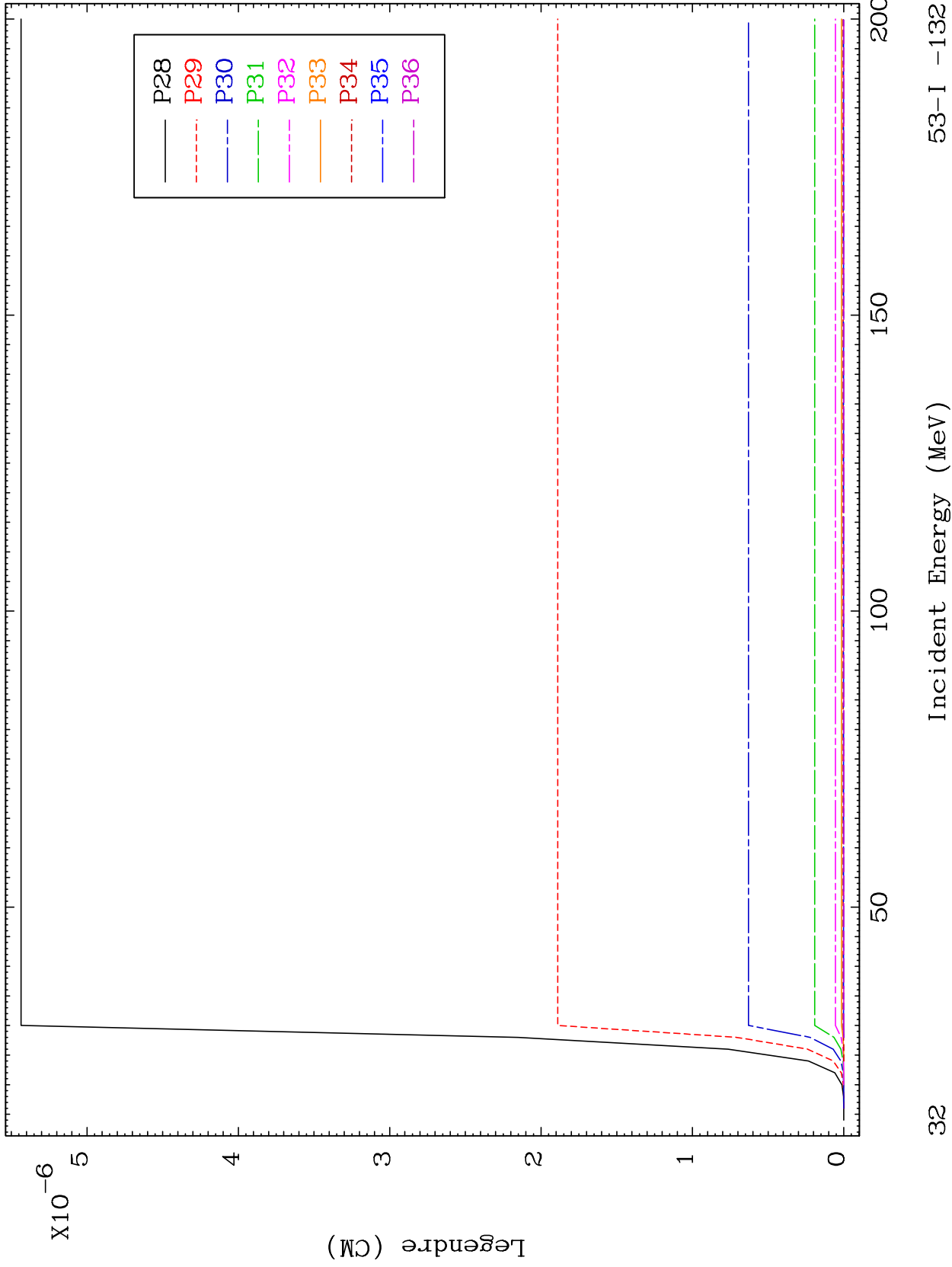
30



MAT 5340

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

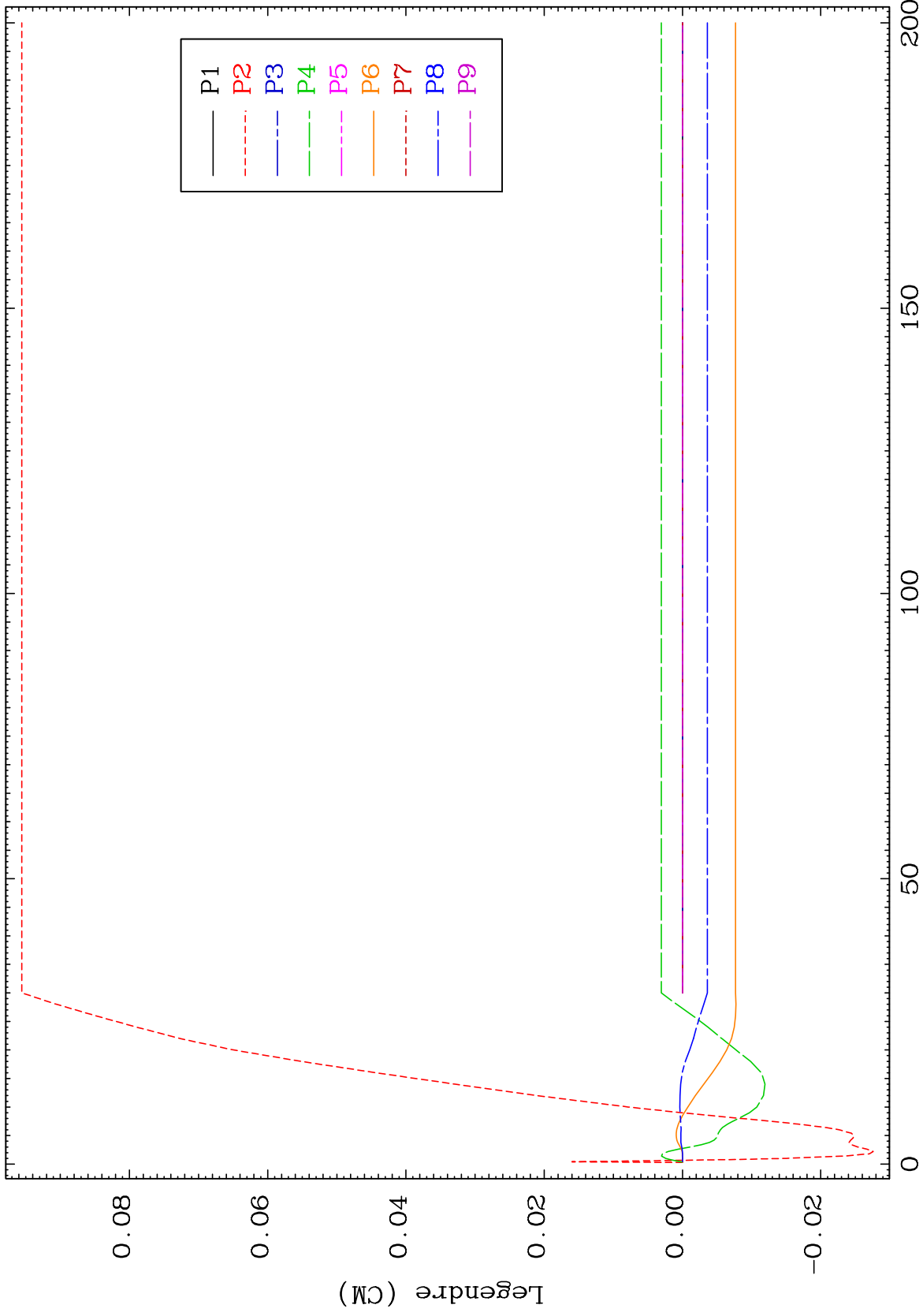
53-I -132



MAT 5340

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

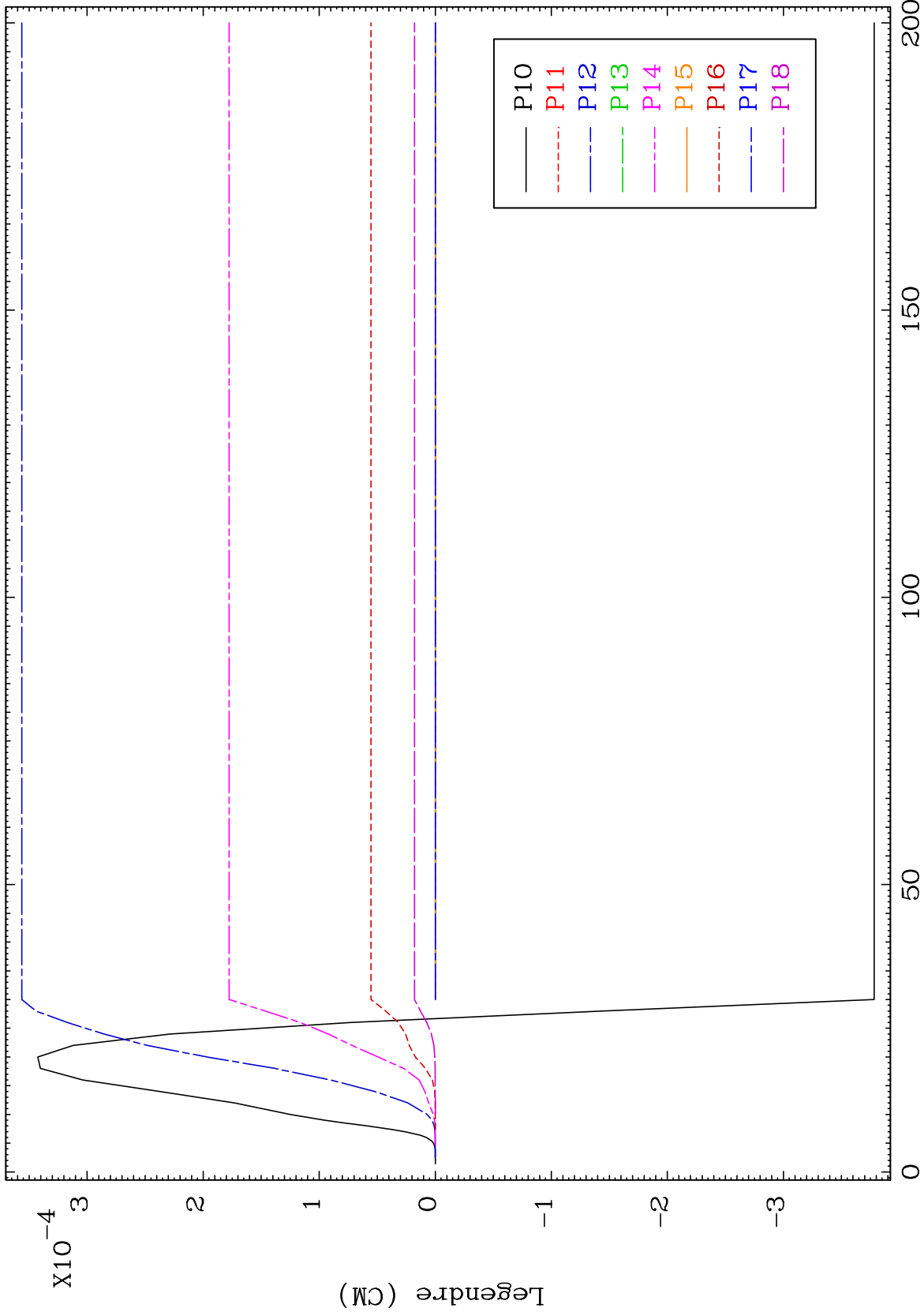
53-I -132



33

Incident Energy (MeV)

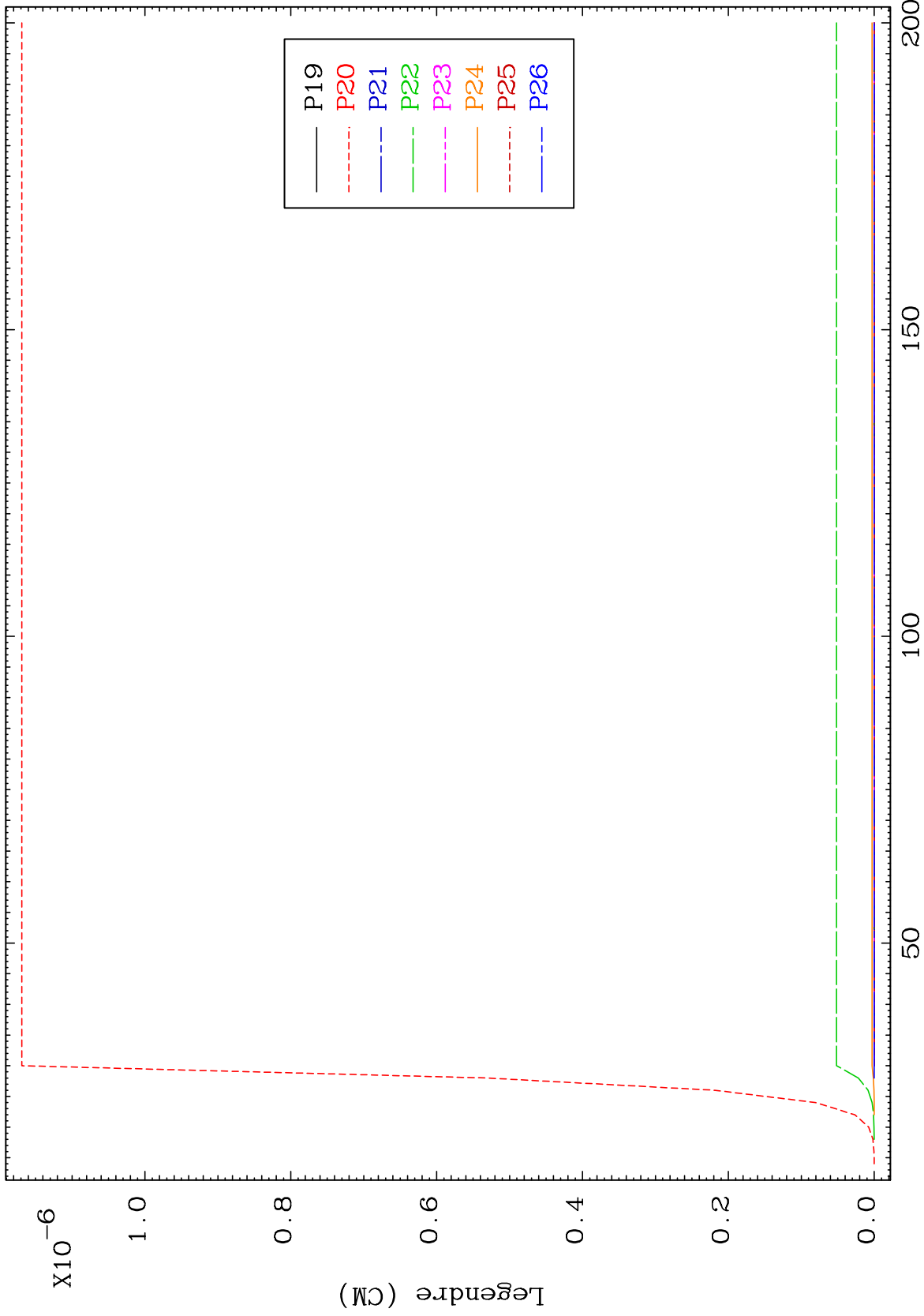
53-I -132



MAT 5340

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

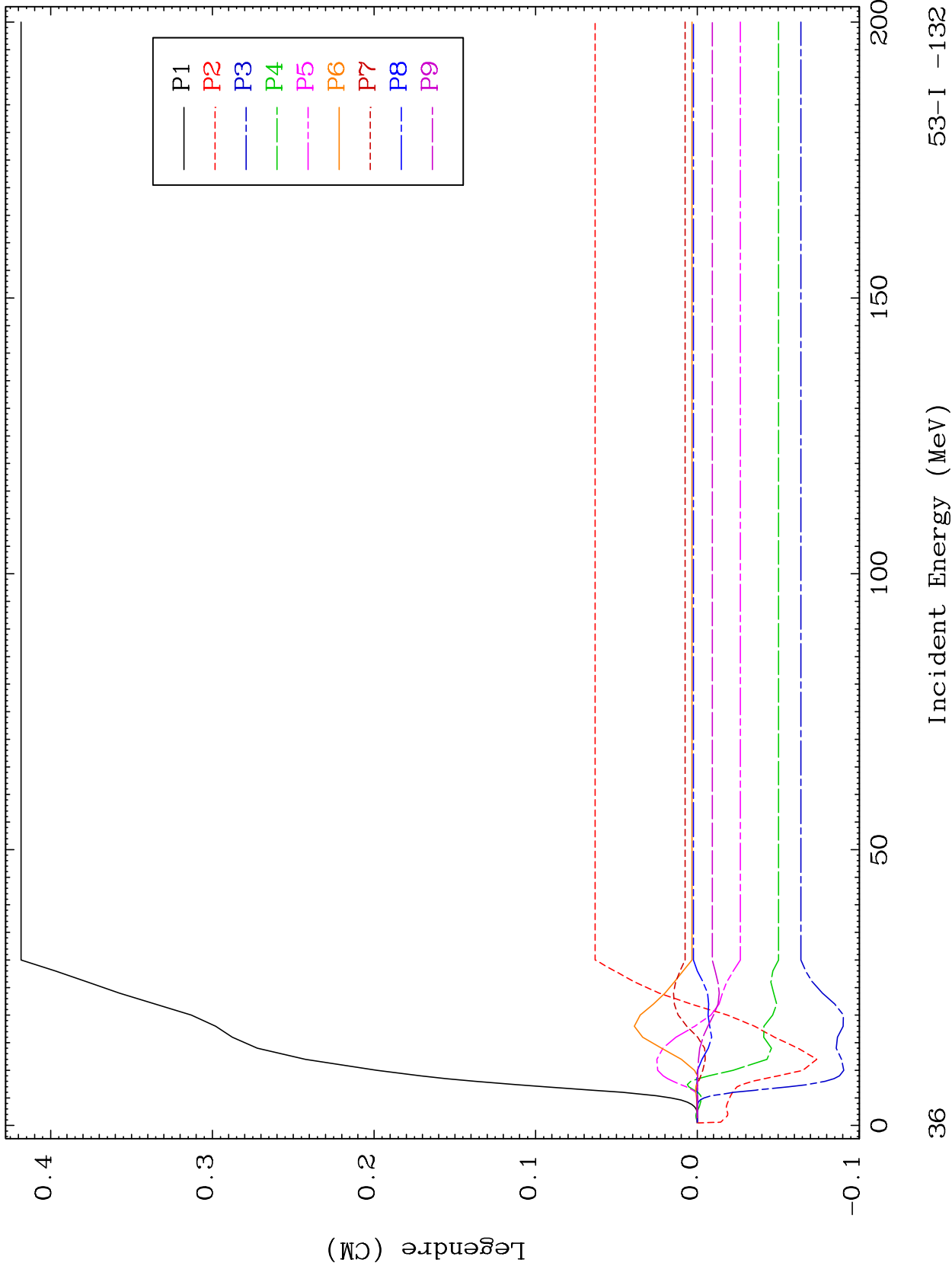
53-I -132



35

Incident Energy (MeV)

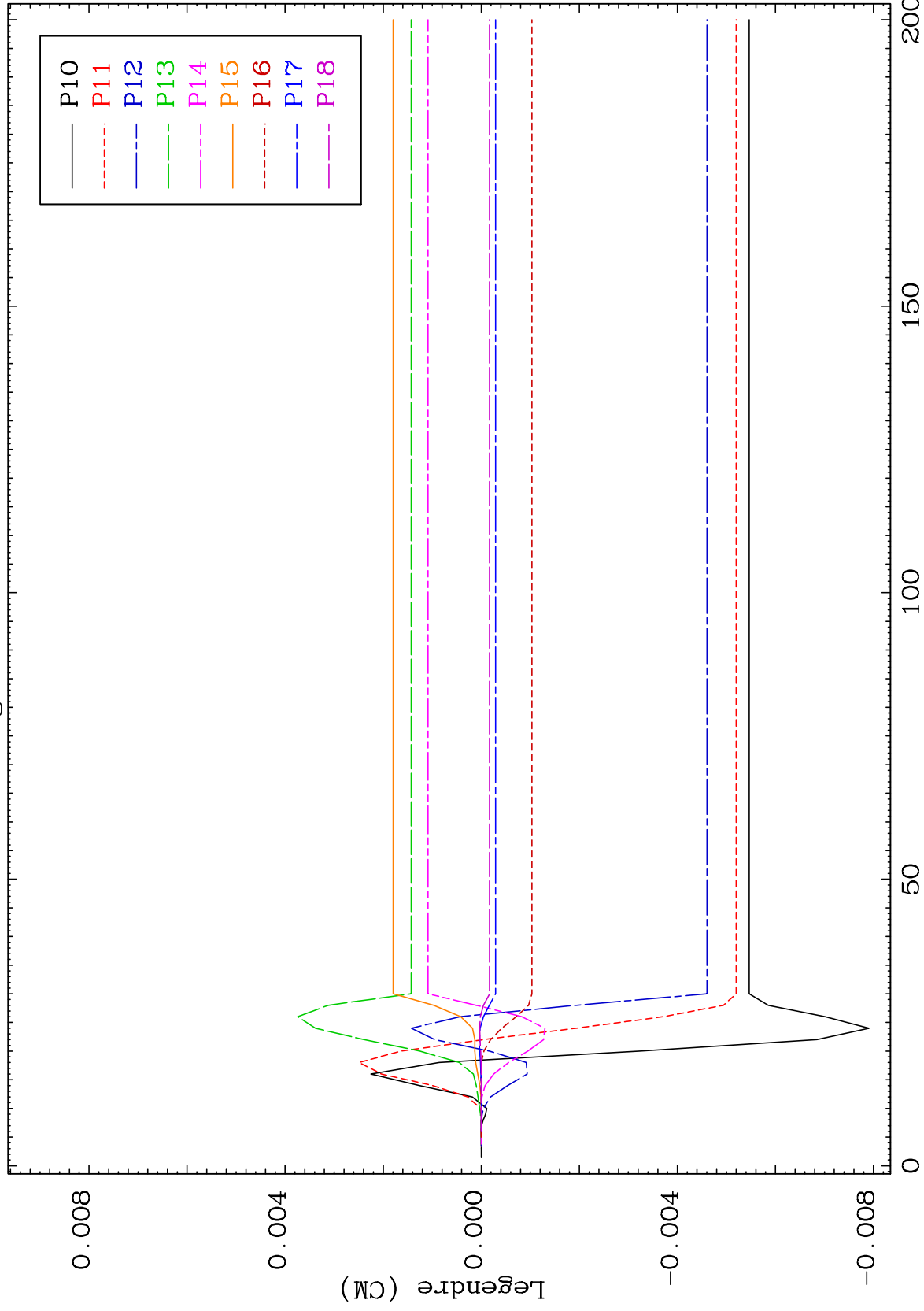
53-I -132



MAT 5340

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

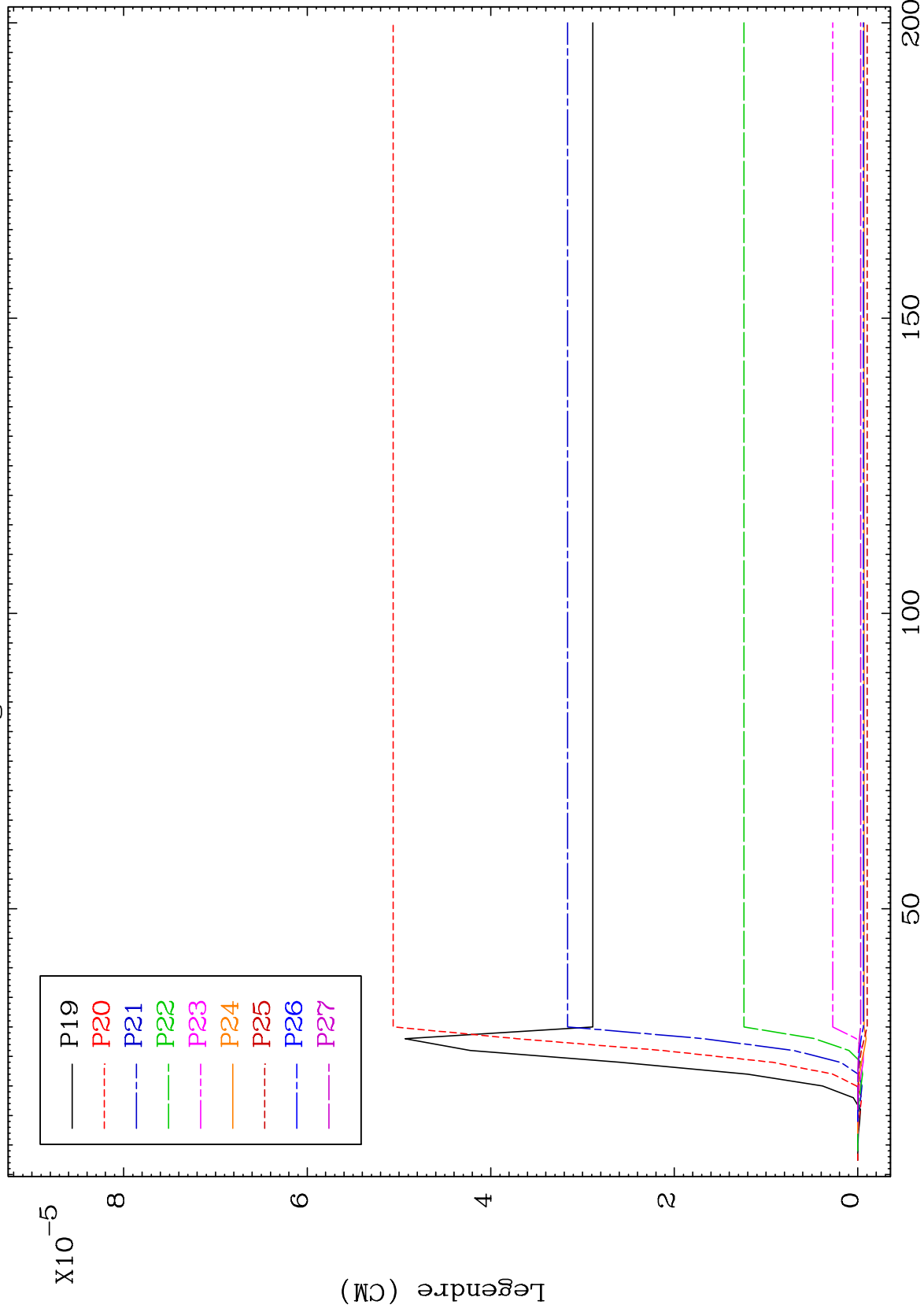
53-I -132



37

Incident Energy (MeV)

53-I -132

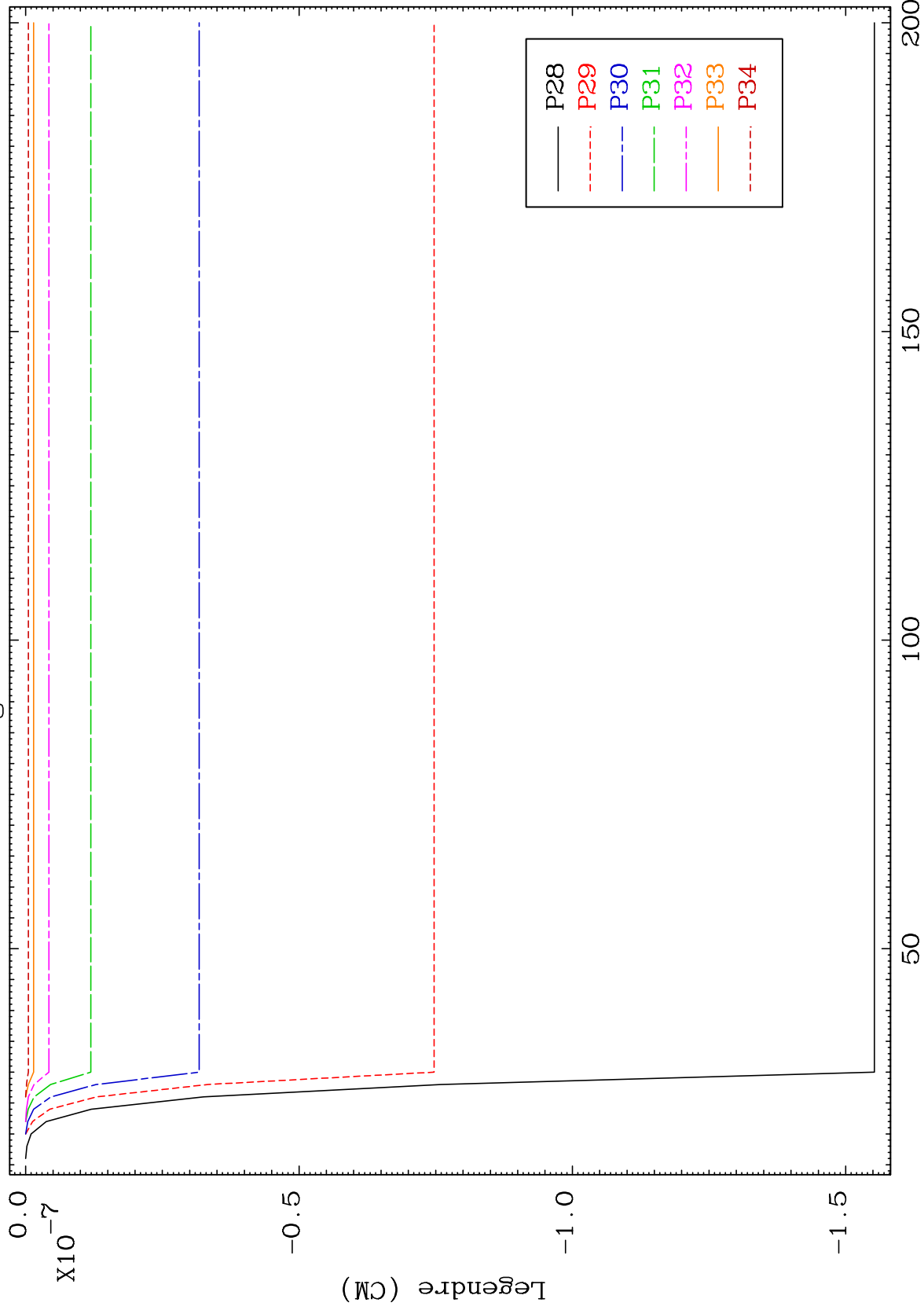


MAT 5340

MT= 56 (n,n') Level

53-I -132

Legendre Coefficients



39

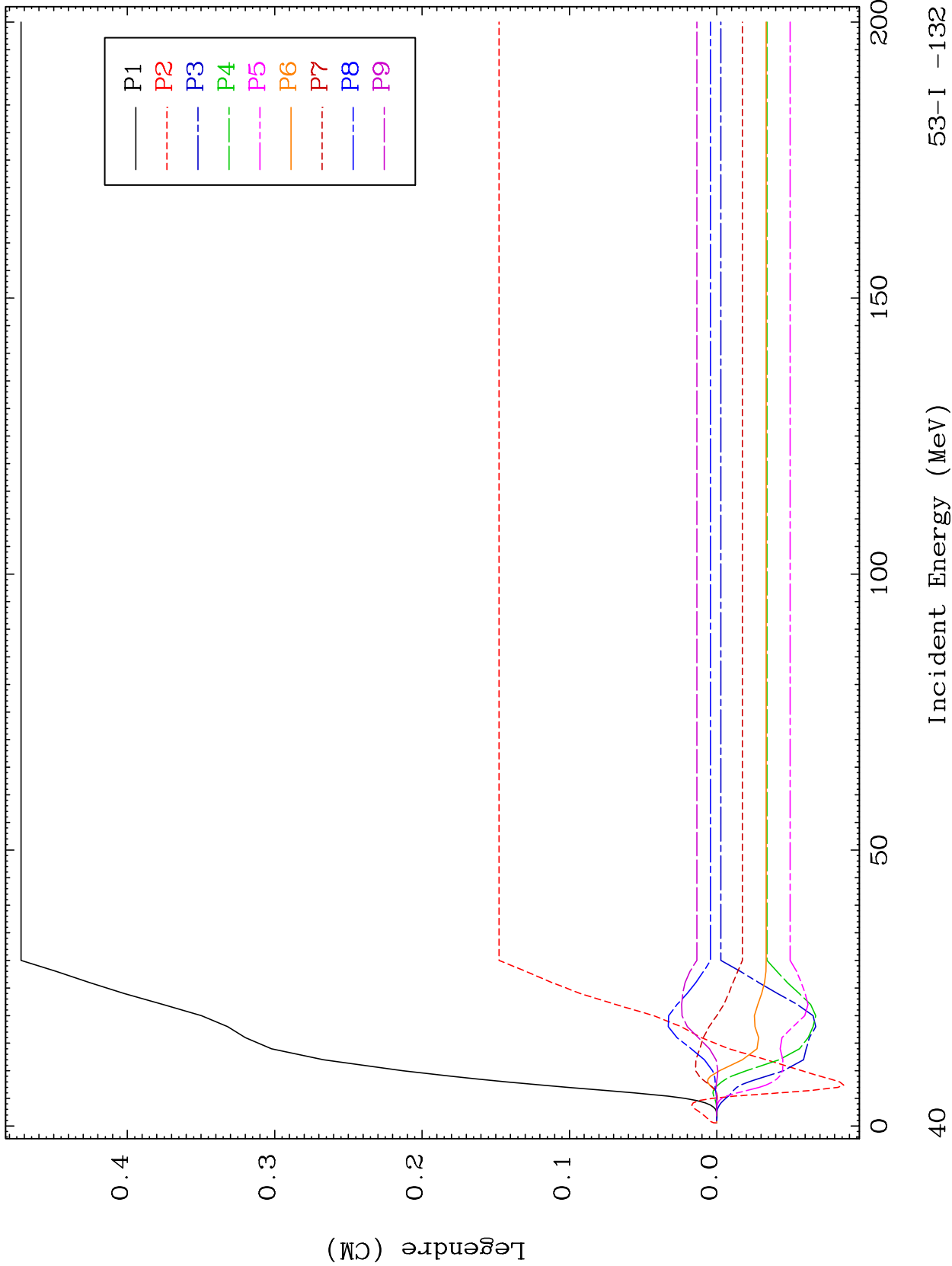
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



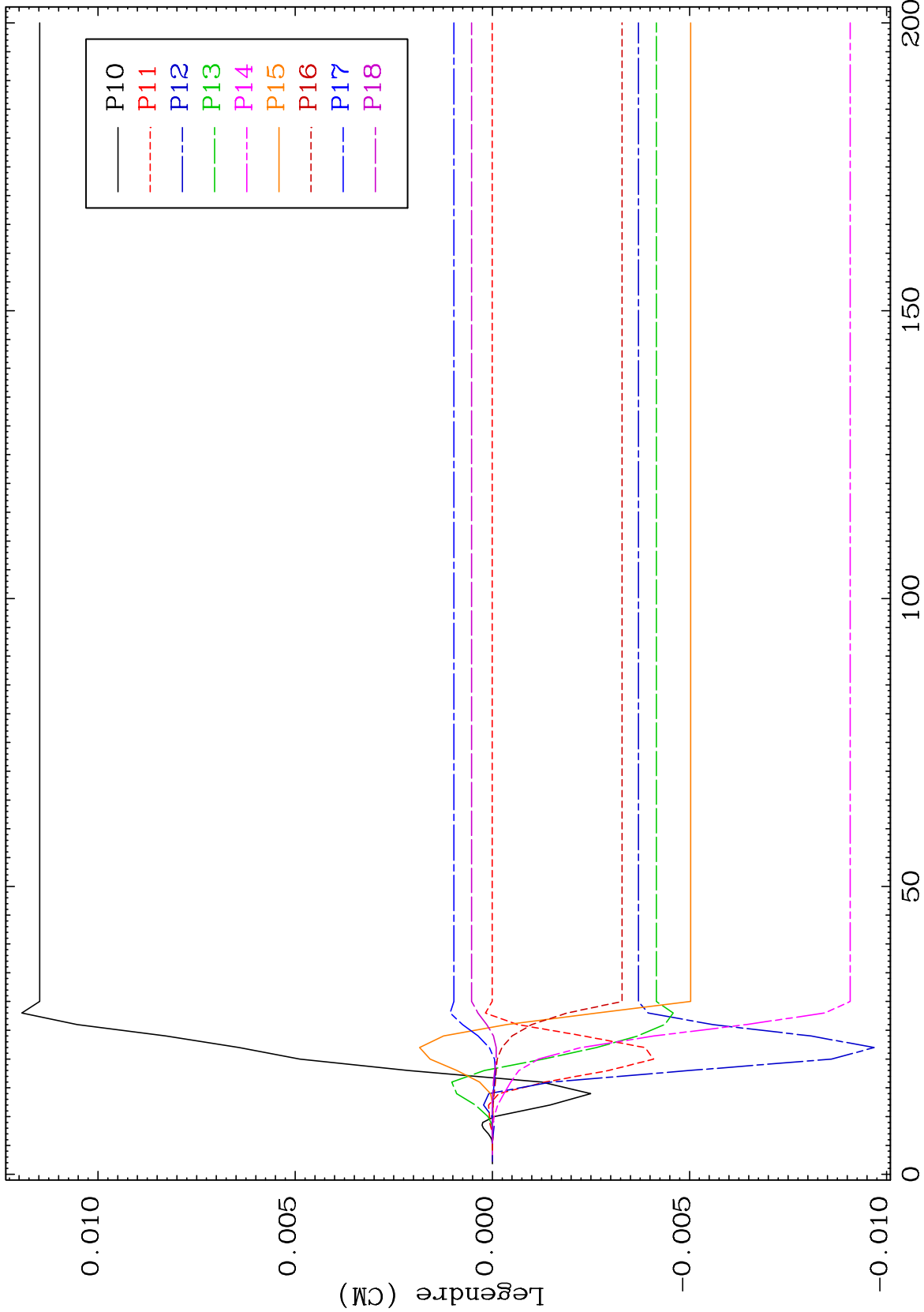
53-I -132

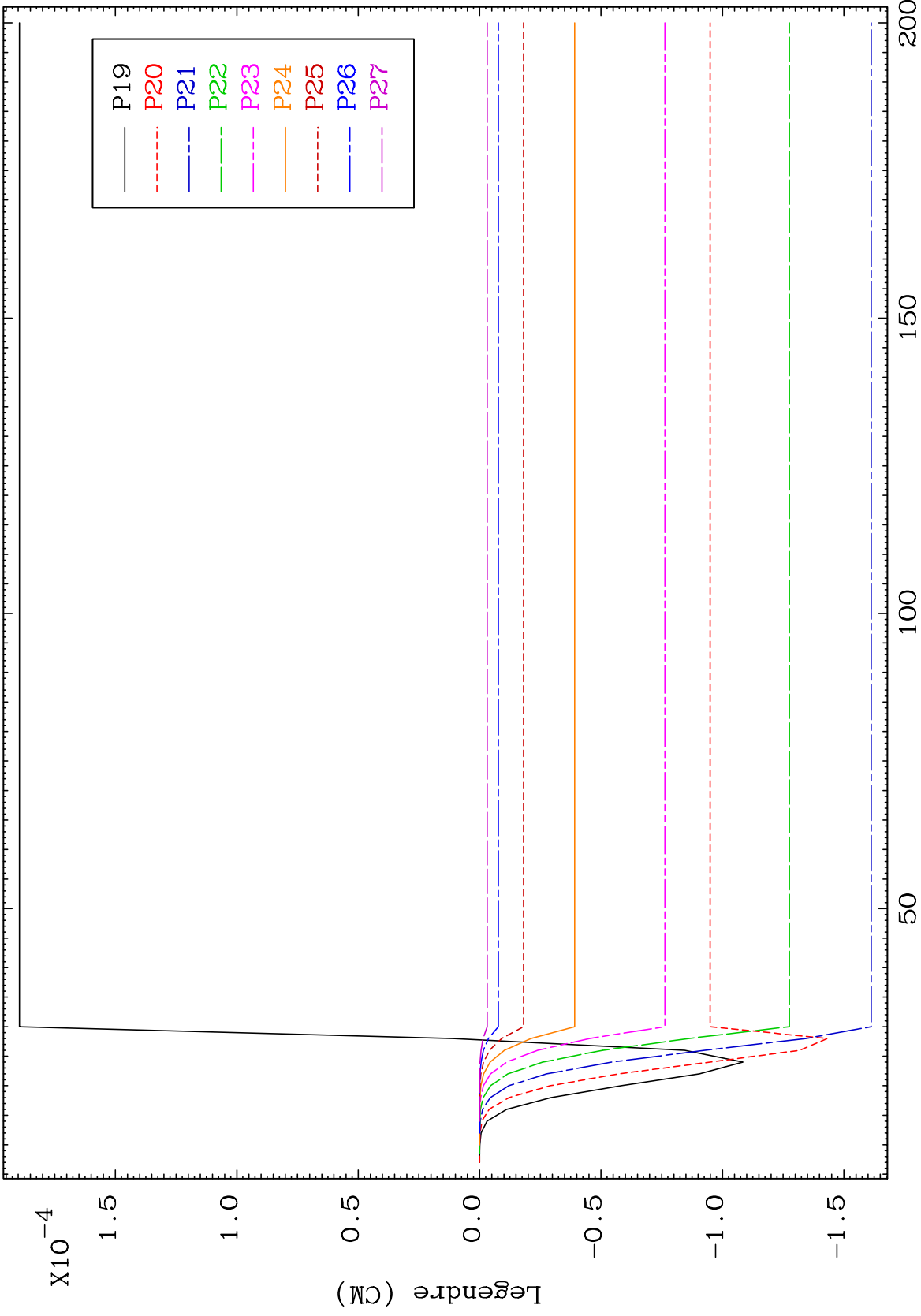
Incident Energy (MeV)

MAT 5340

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

53-I -132

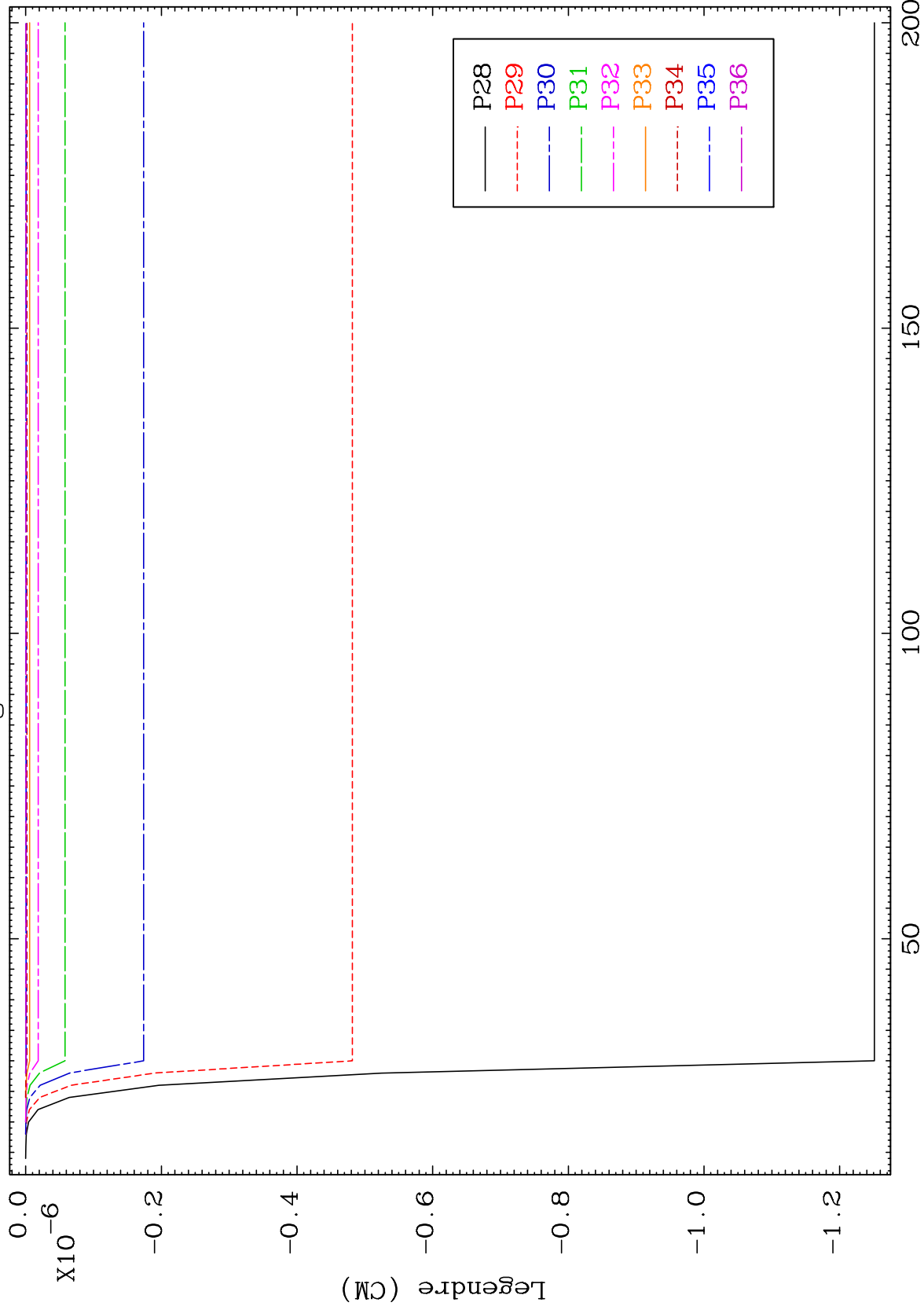




MAT 5340

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

53-I -132



53-I -132

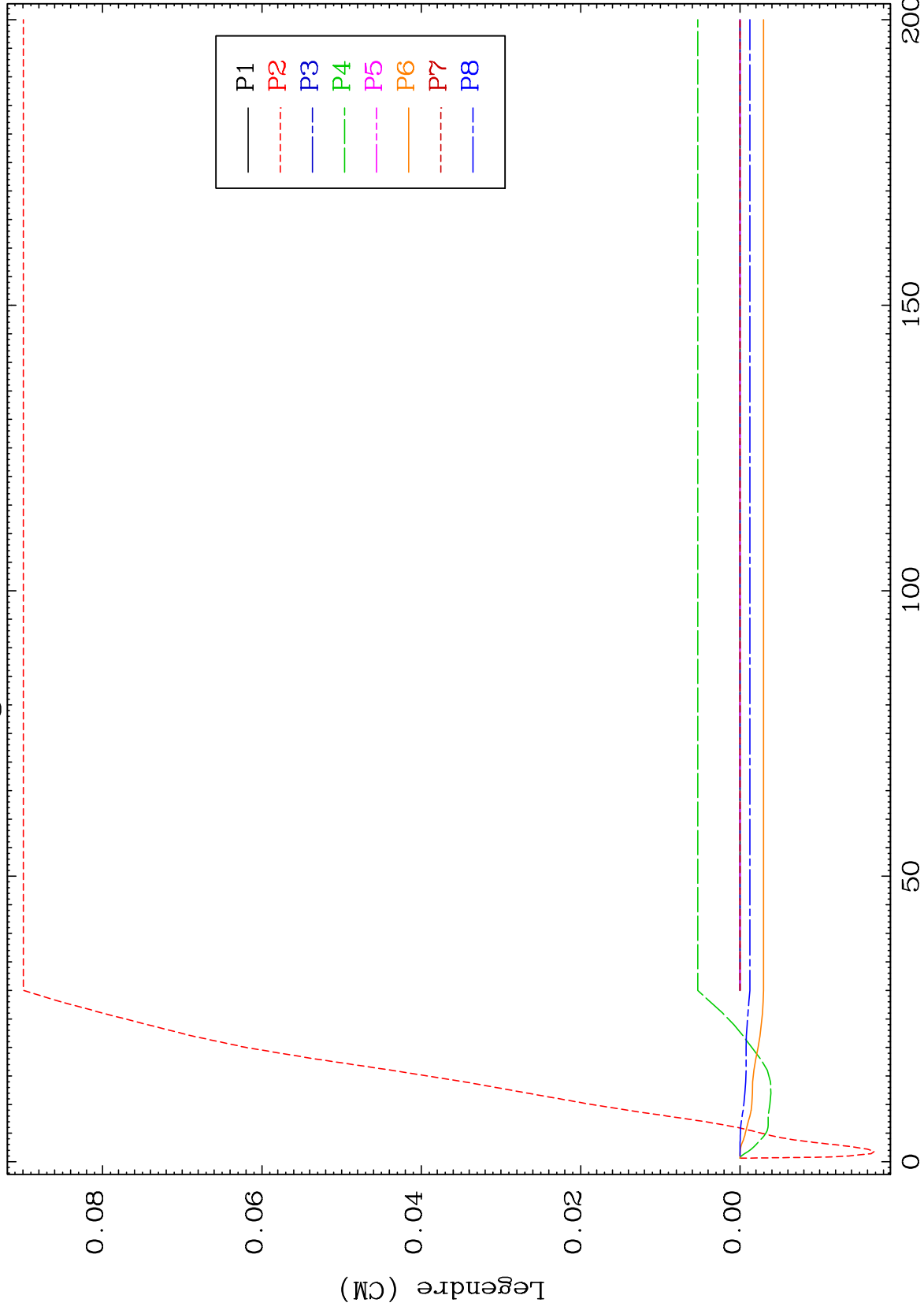
Incident Energy (MeV)

43

MAT 5340

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

53-I -132



44

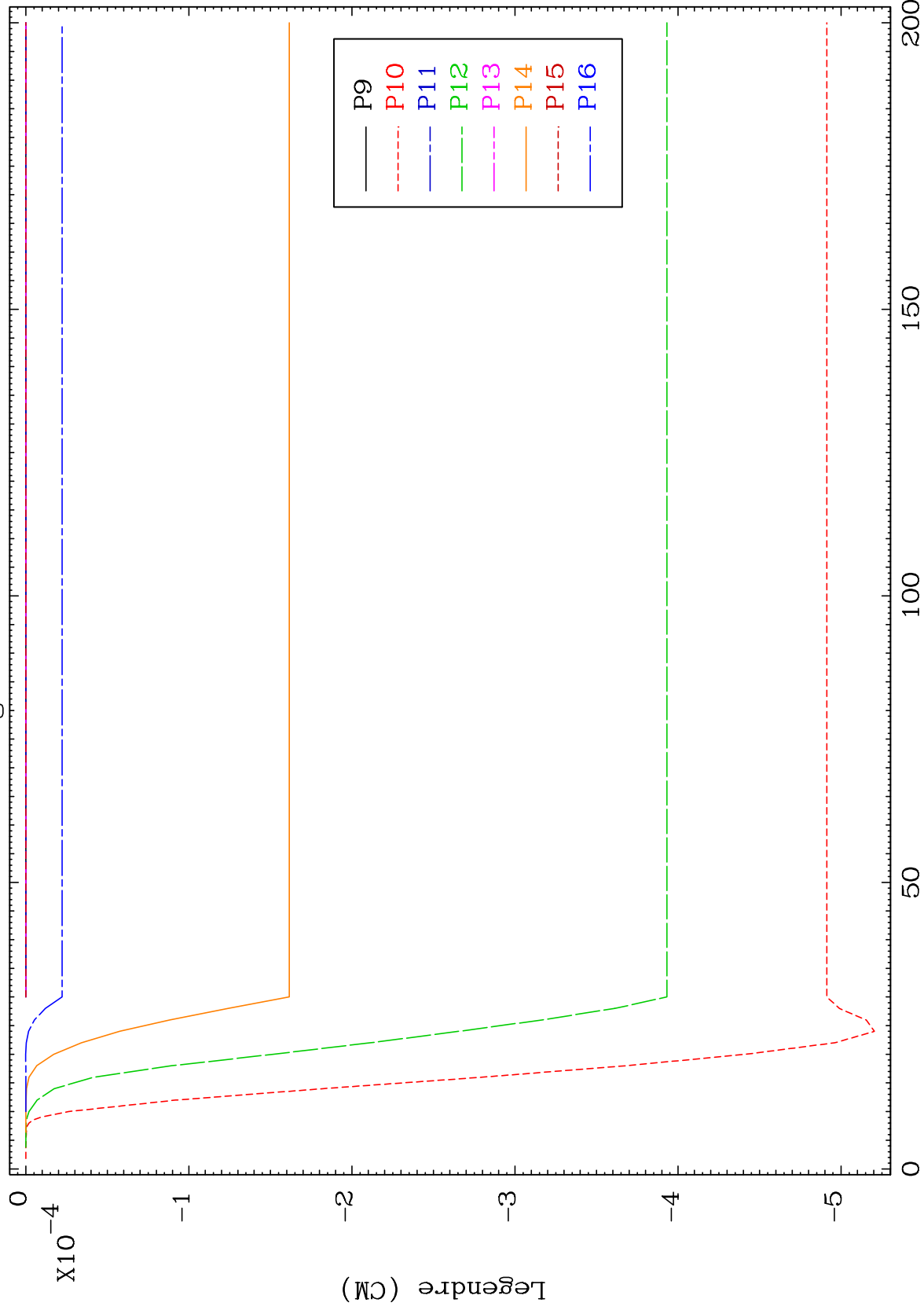
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



45

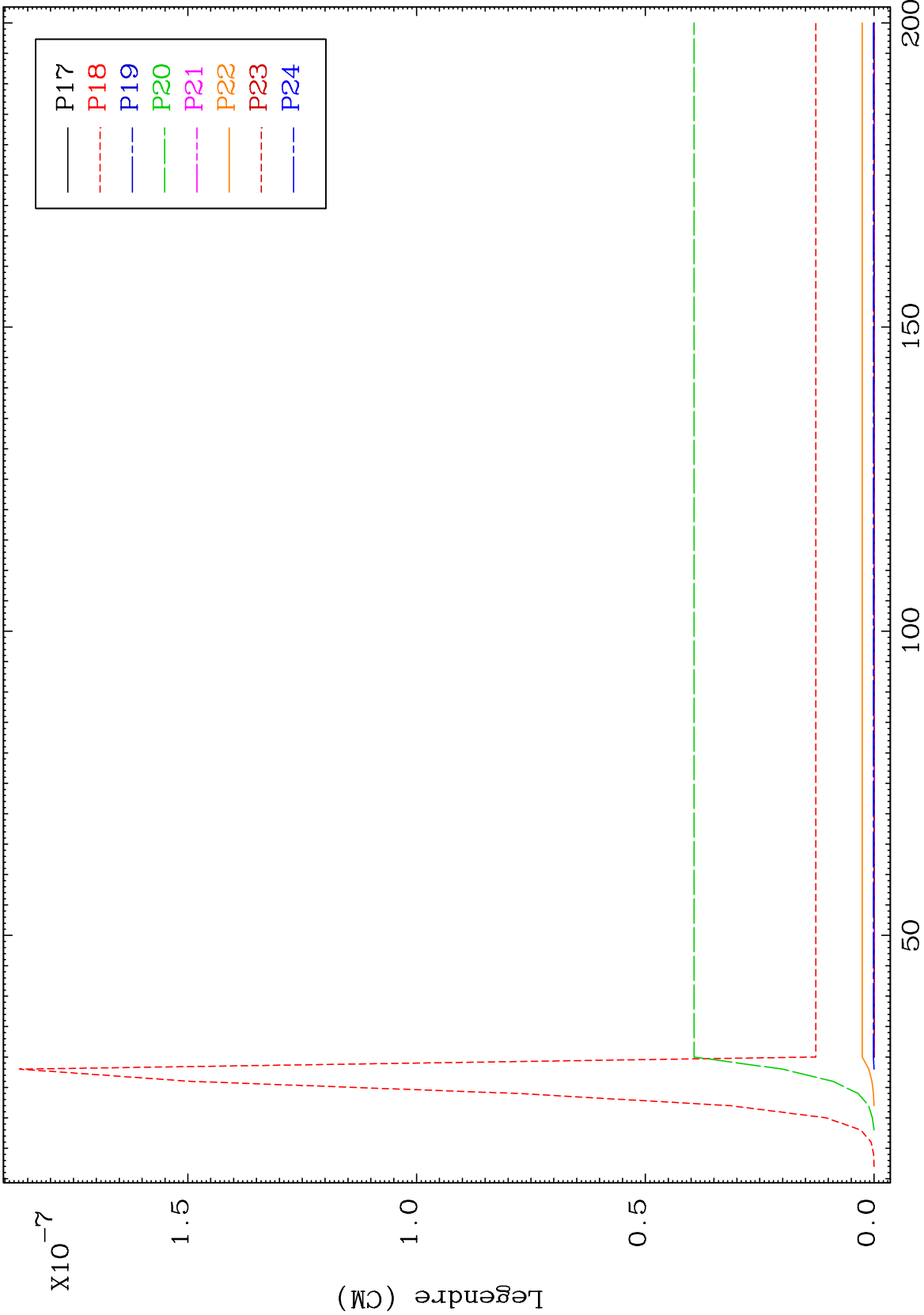
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



46

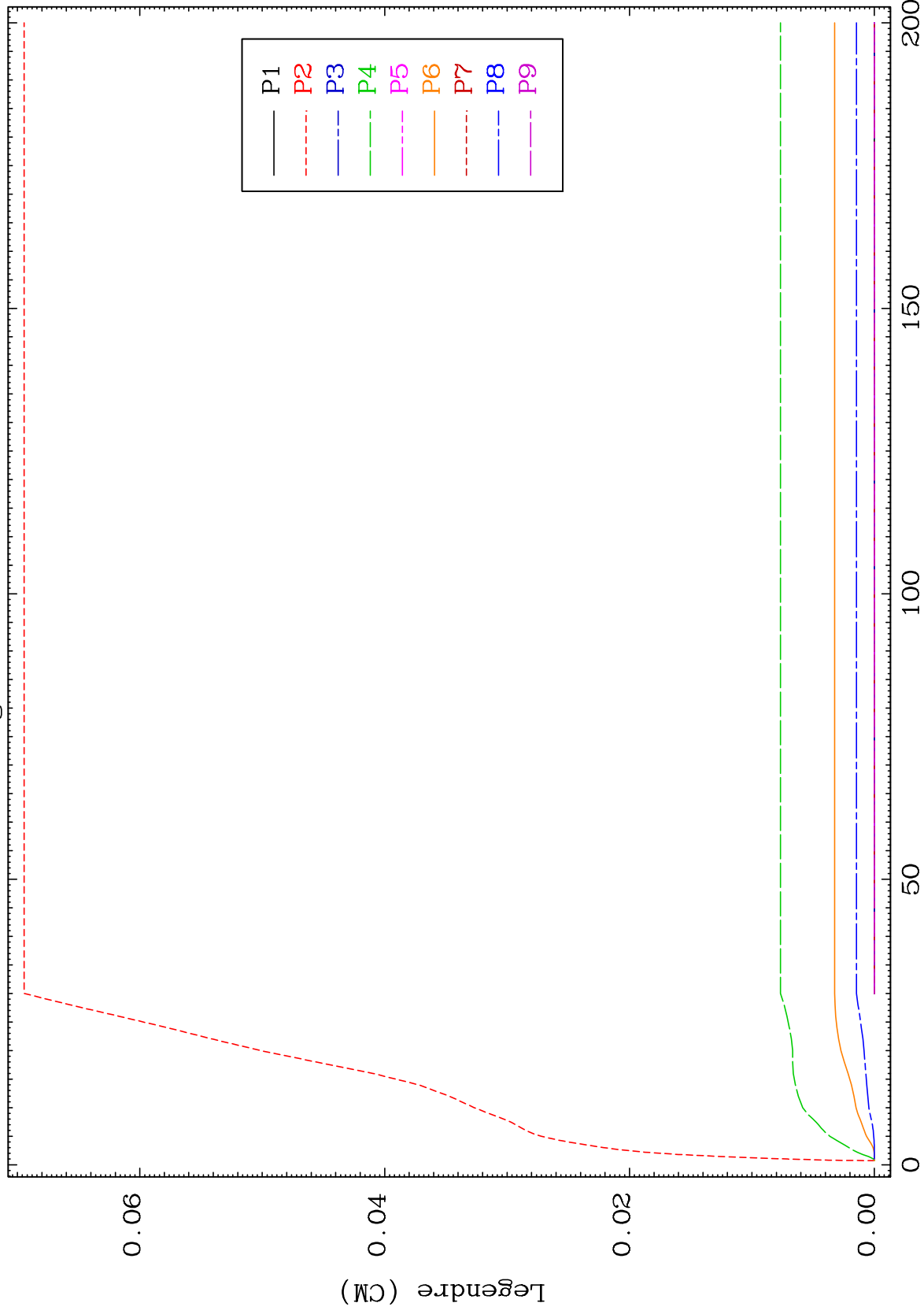
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



47

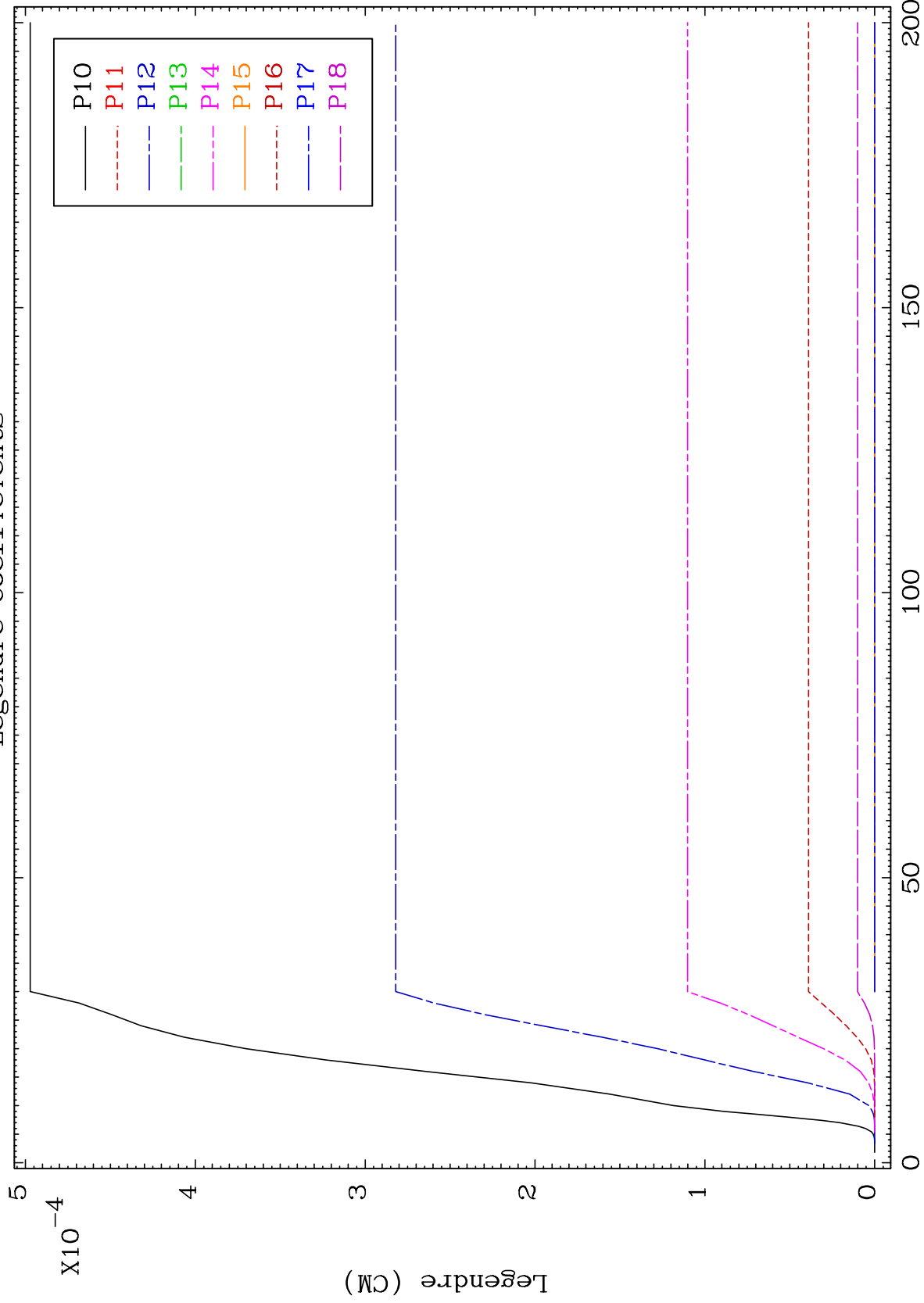
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



48

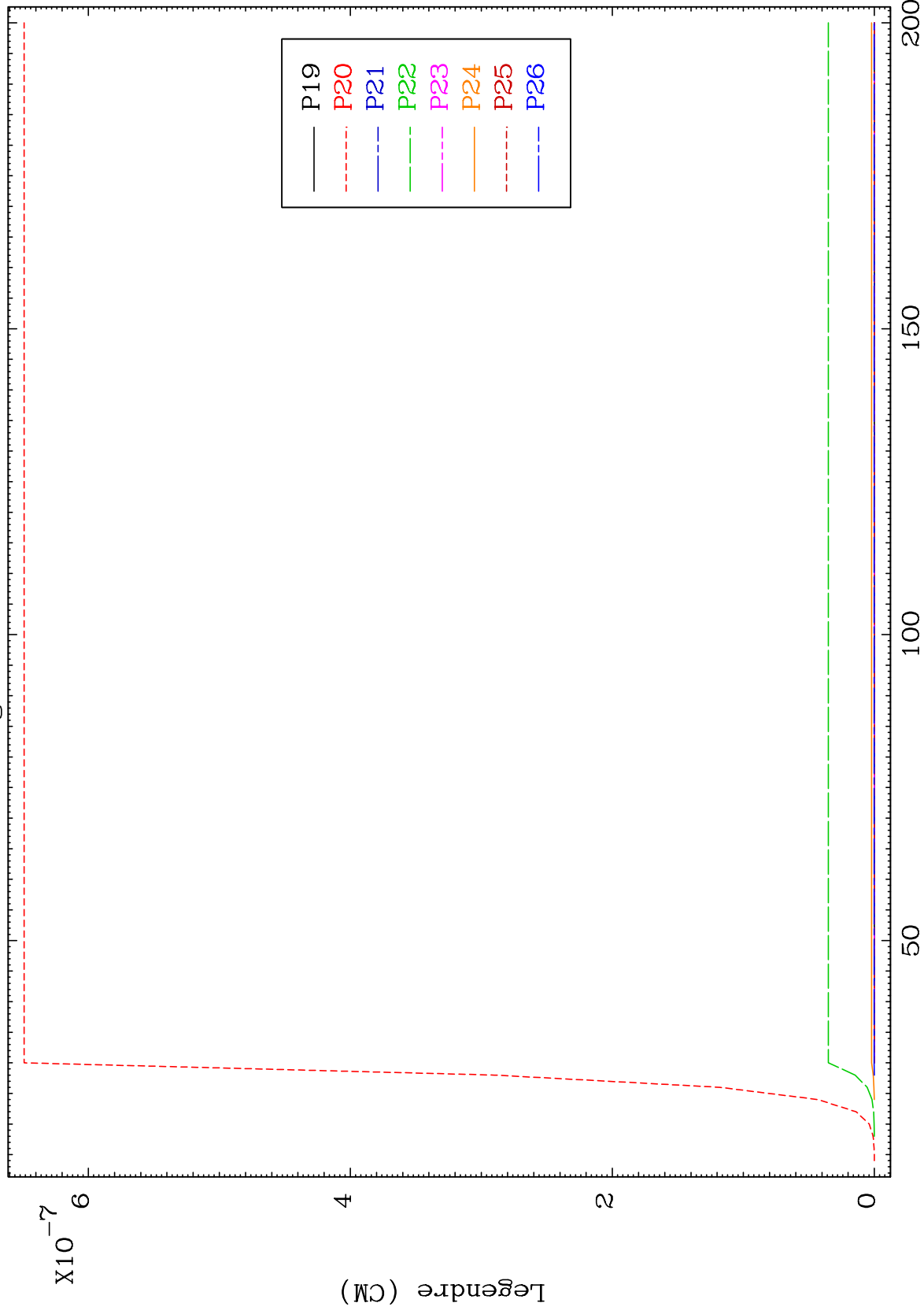
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



49

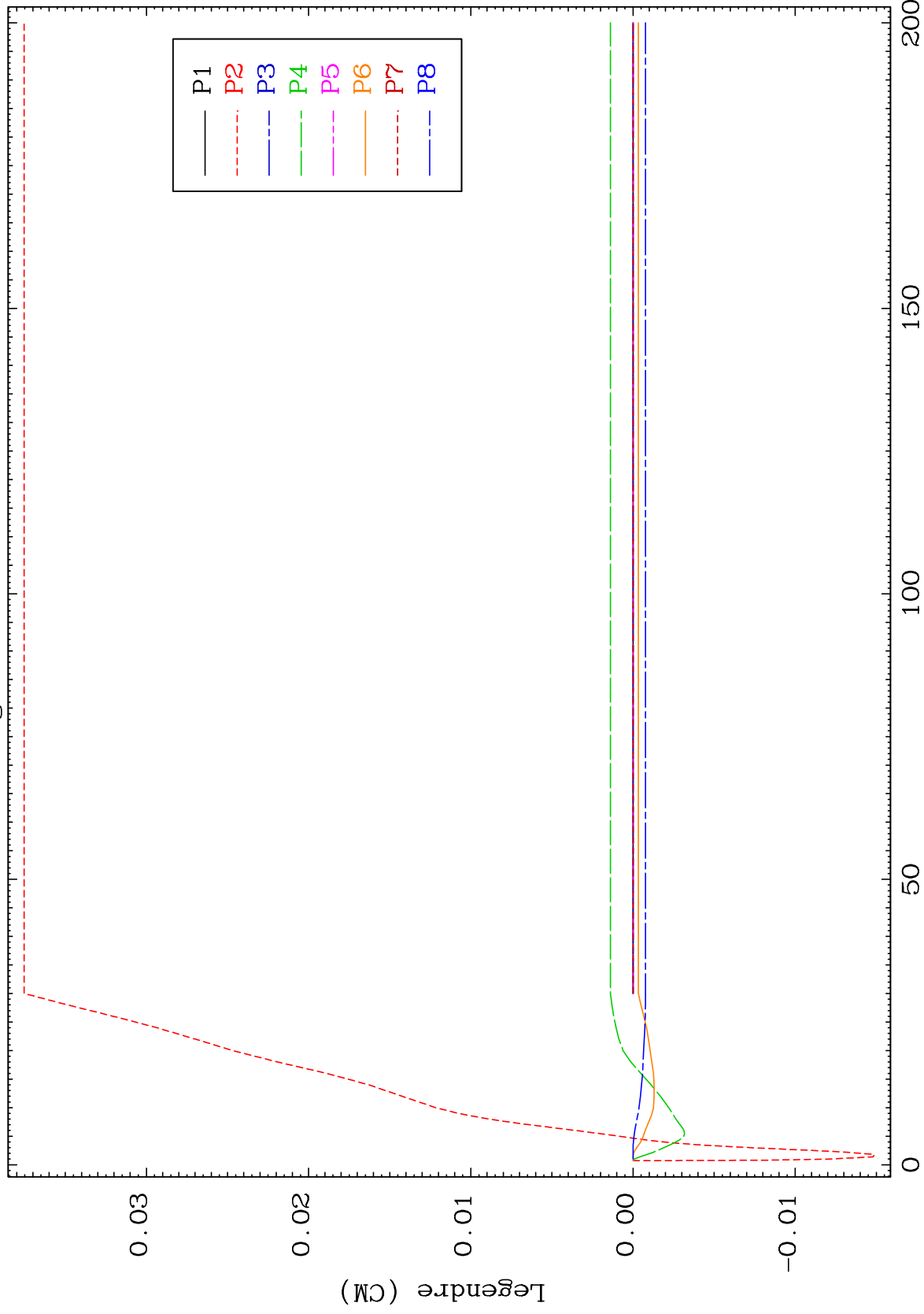
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



53-I -132

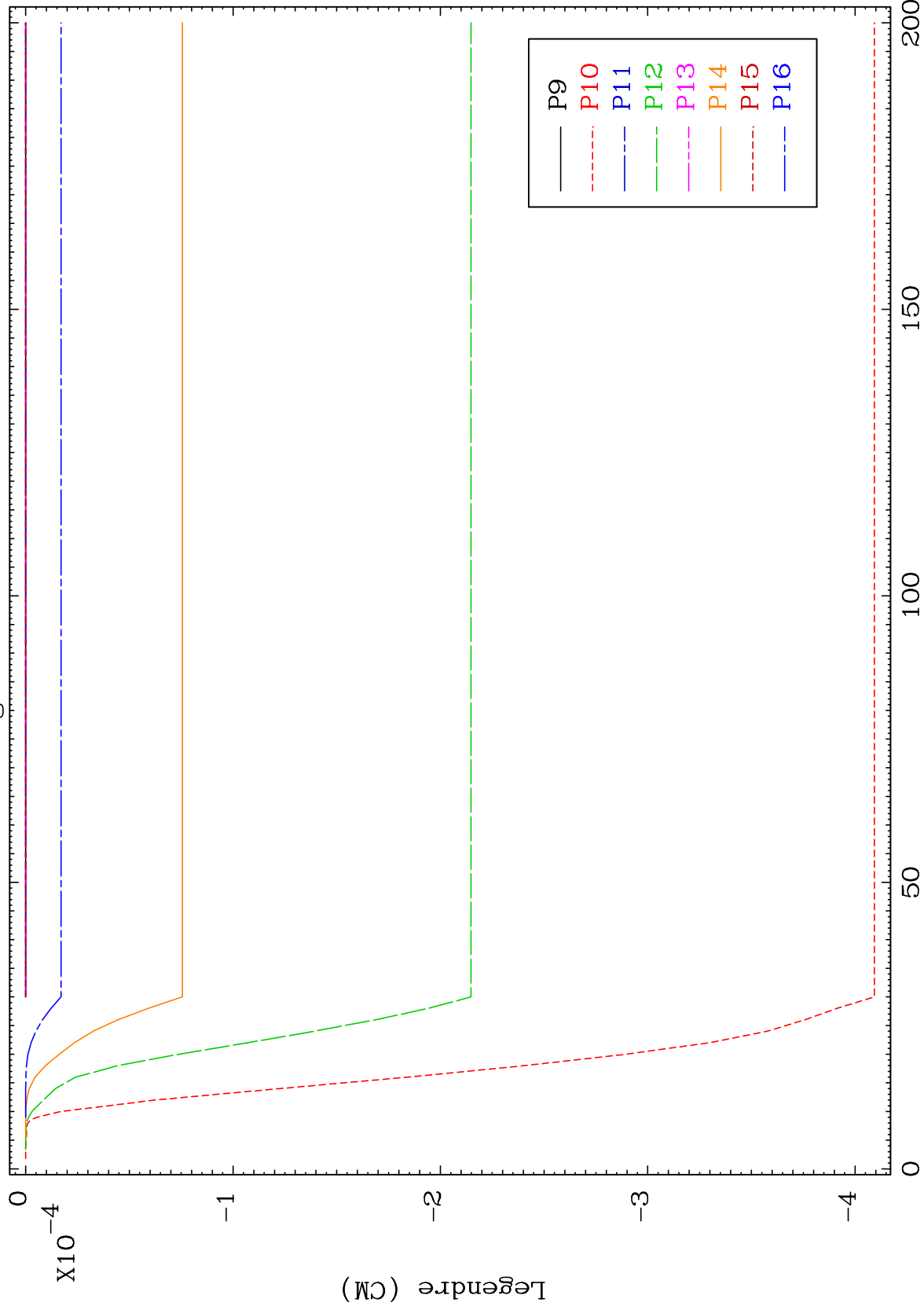
Incident Energy (MeV)

50

MAT 5340

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

53-I -132



51

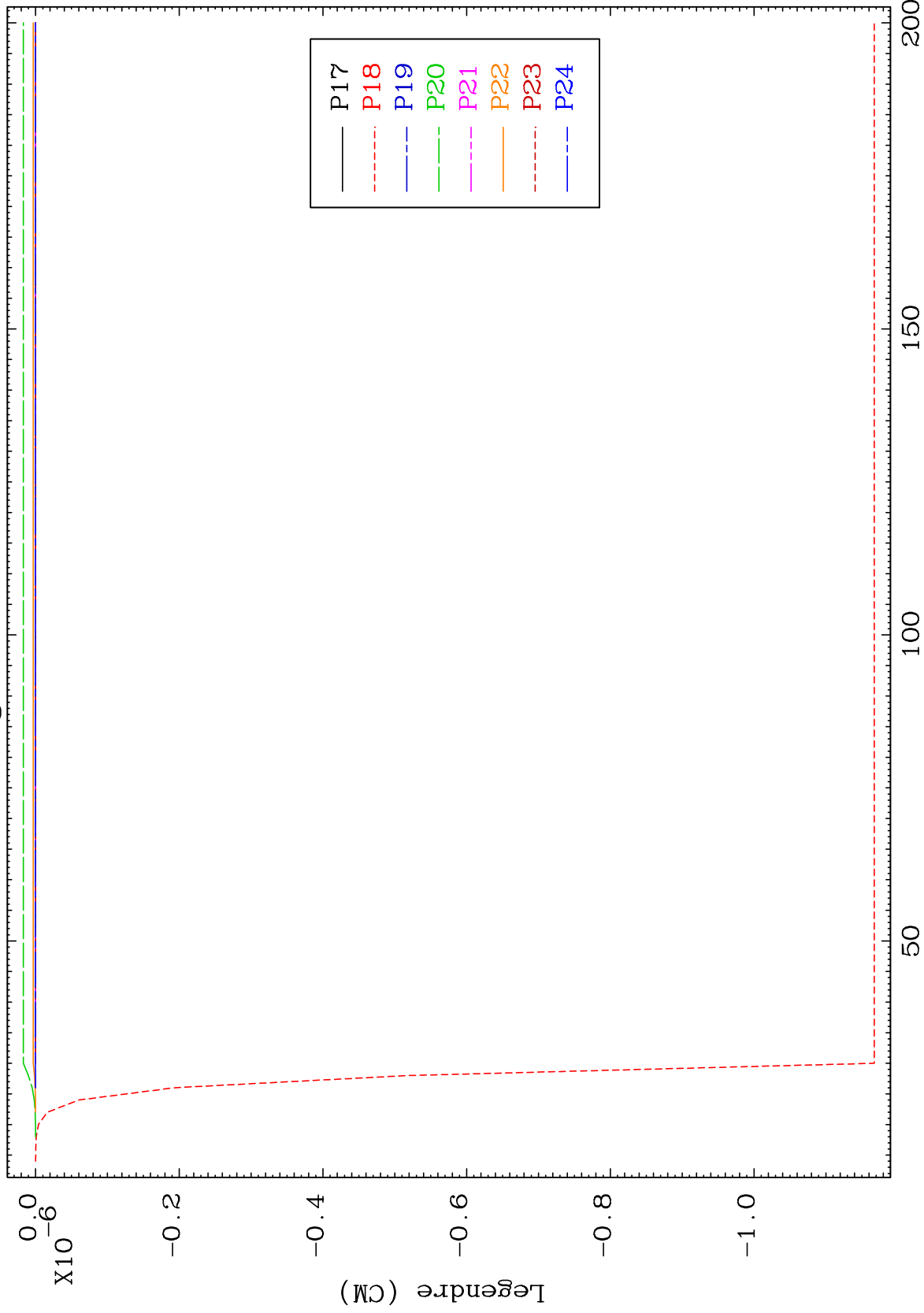
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



52

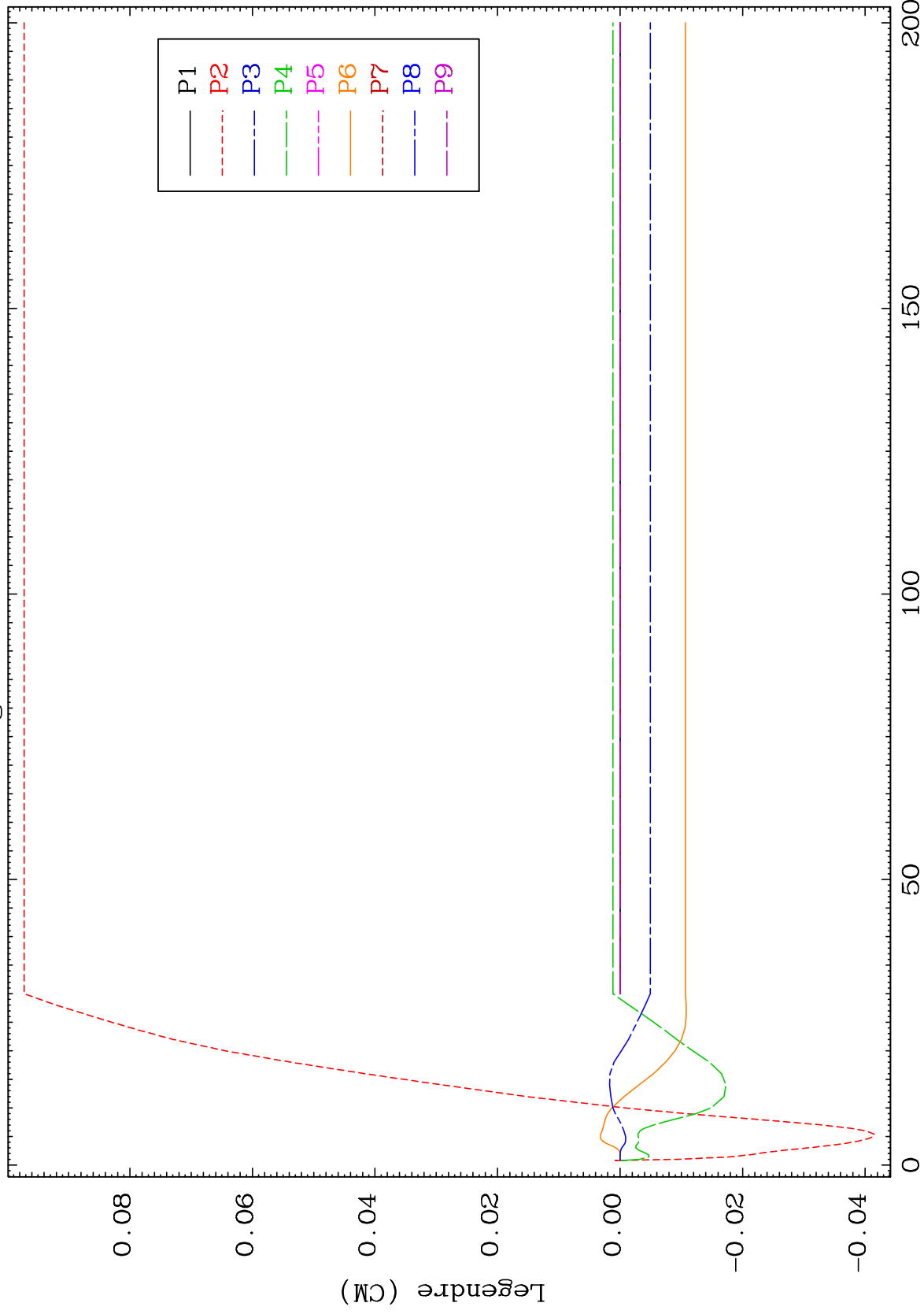
Incident Energy (MeV)

53-I -132

MAT 5340

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

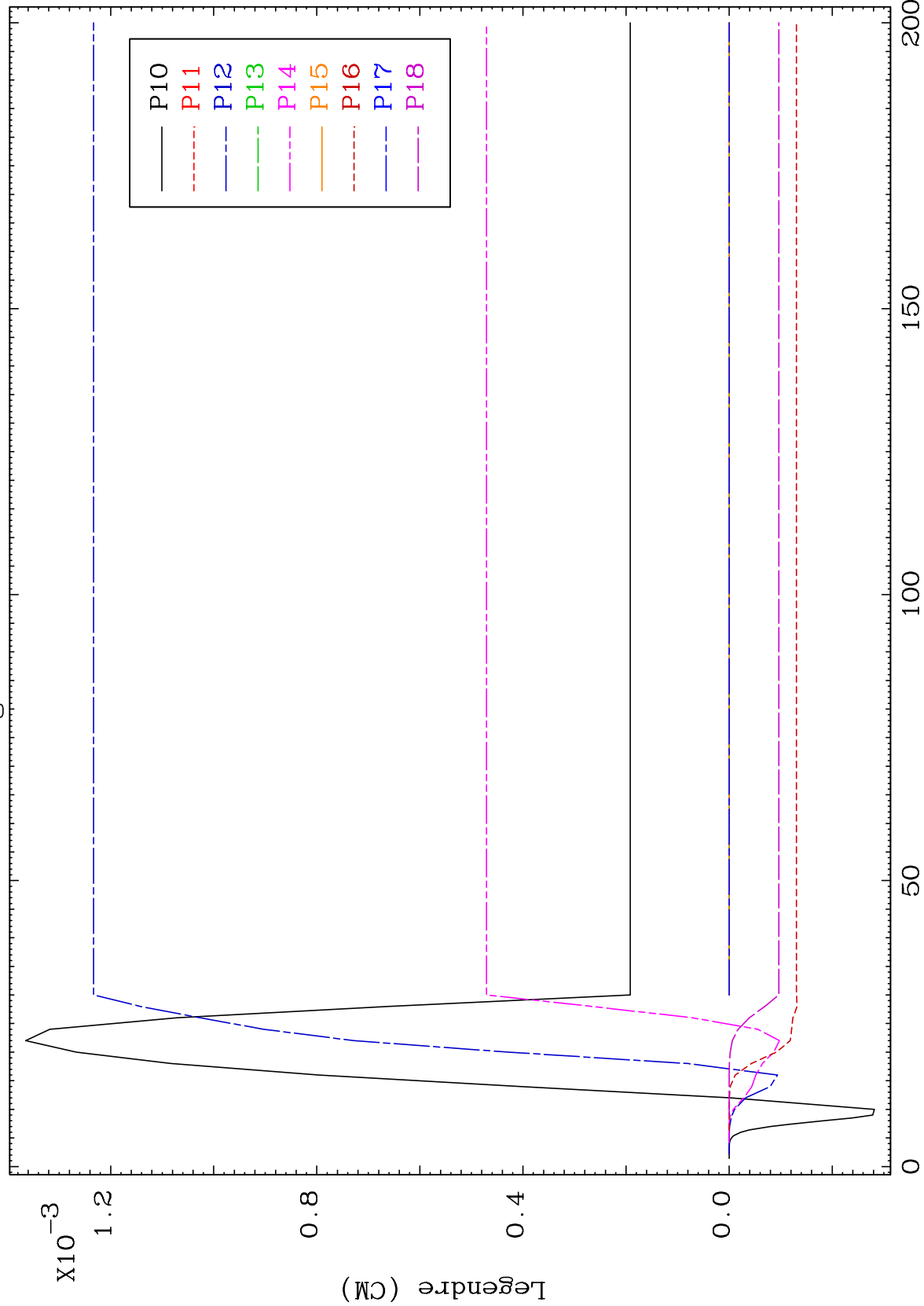
53-I -132

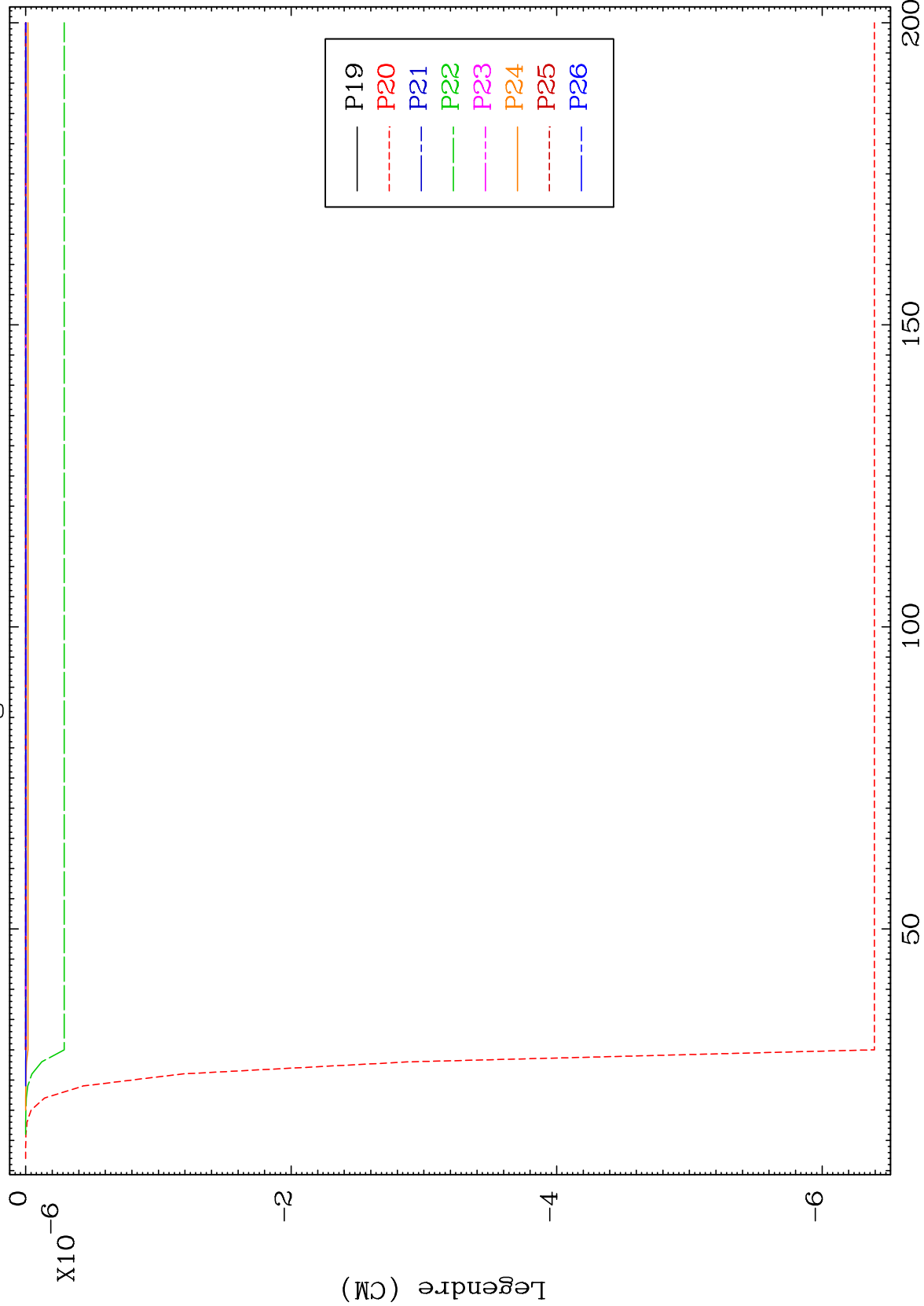


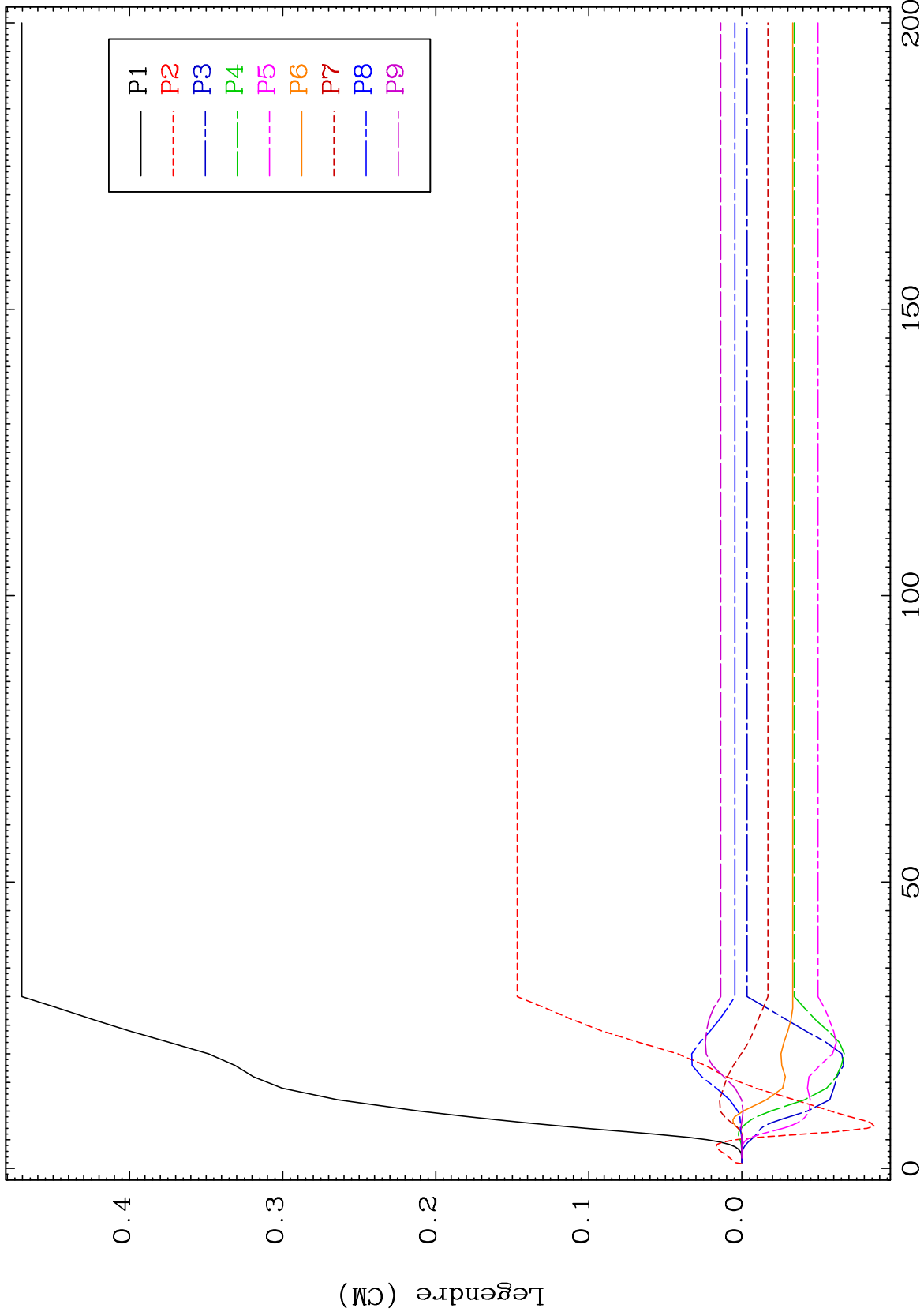
53

Incident Energy (MeV)

53-I -132



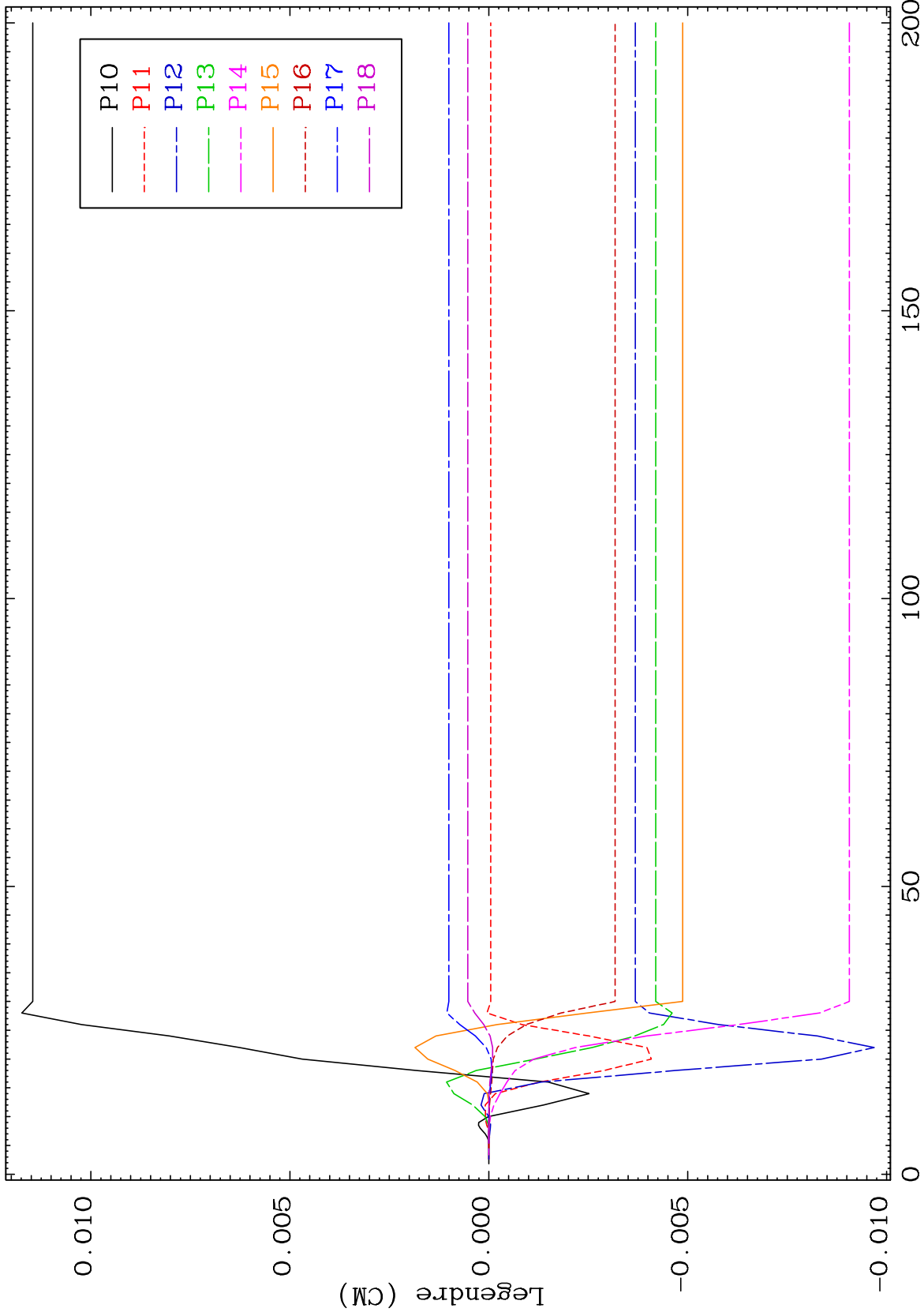




MAT 5340

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

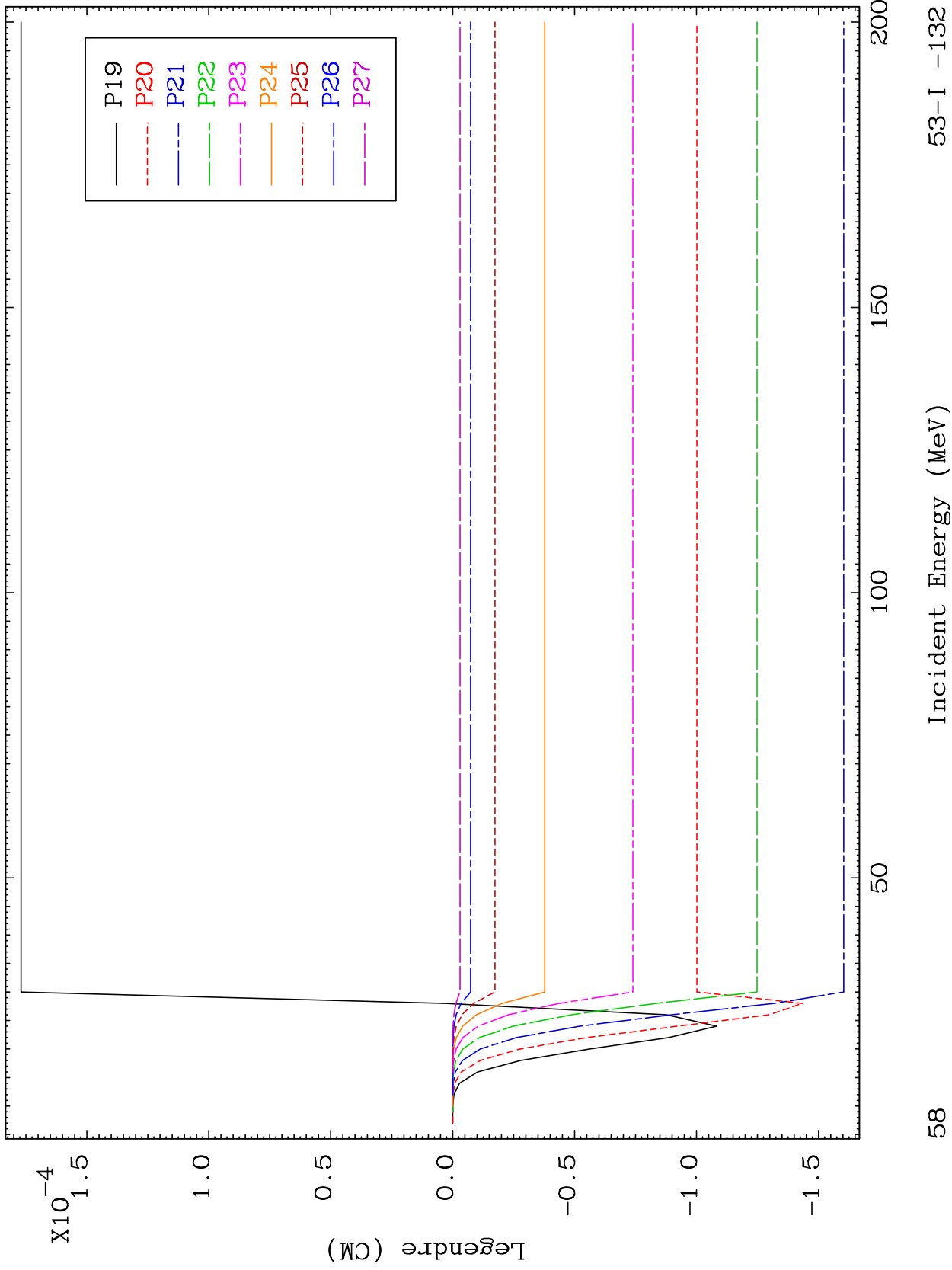
53-I -132



57

Incident Energy (MeV)

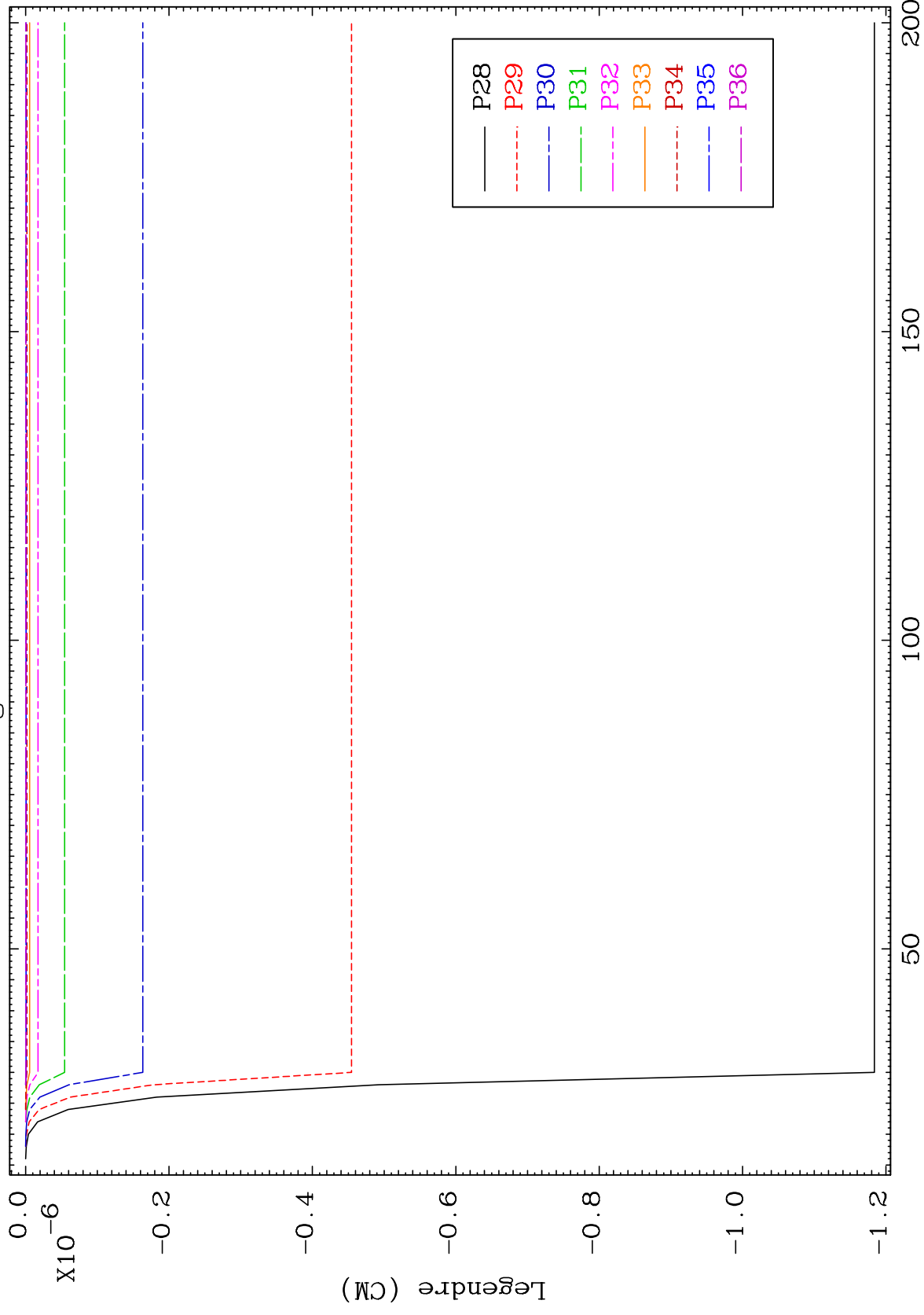
53-I -132



MAT 5340

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

53-I -132



59

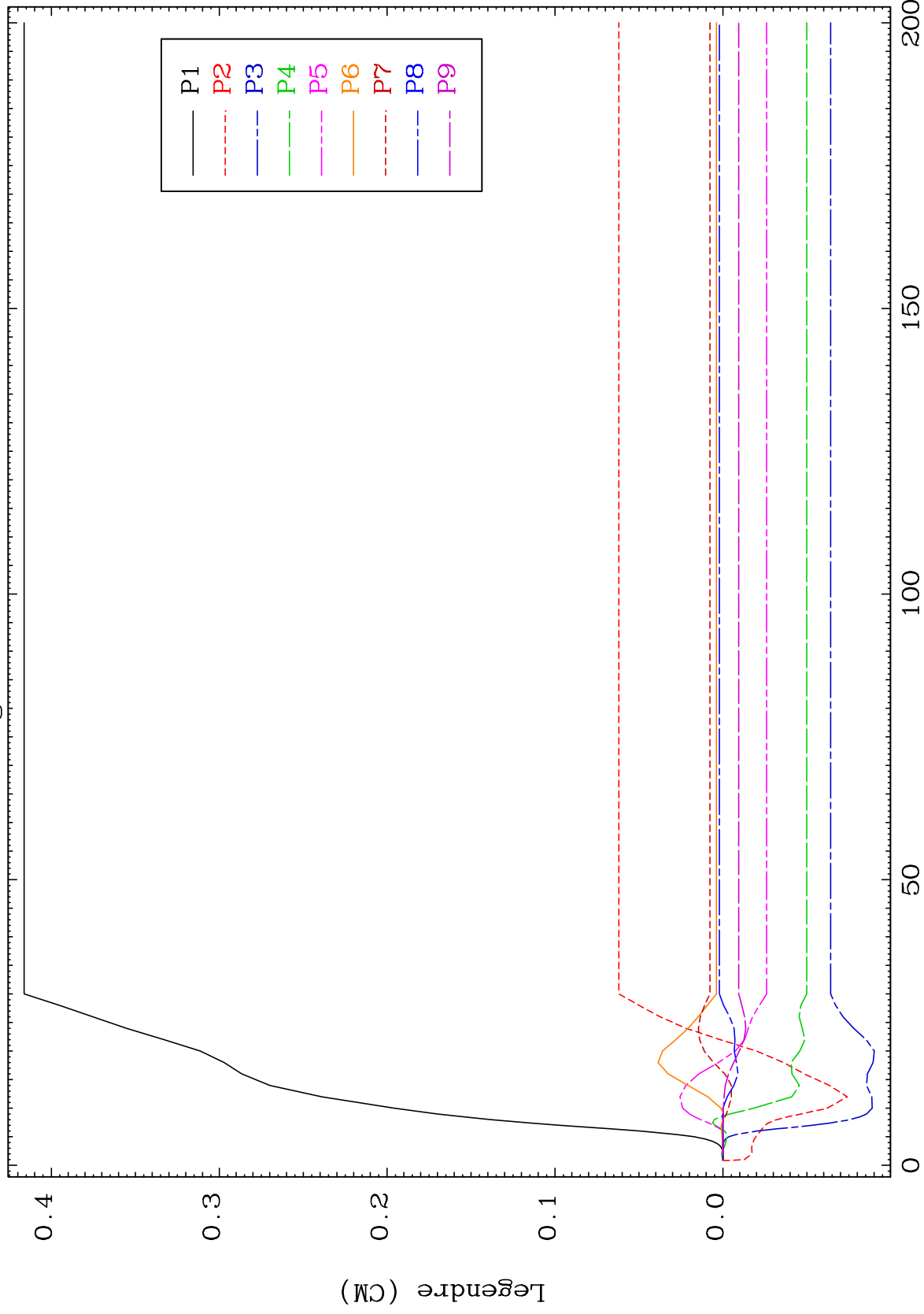
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



53-I -132

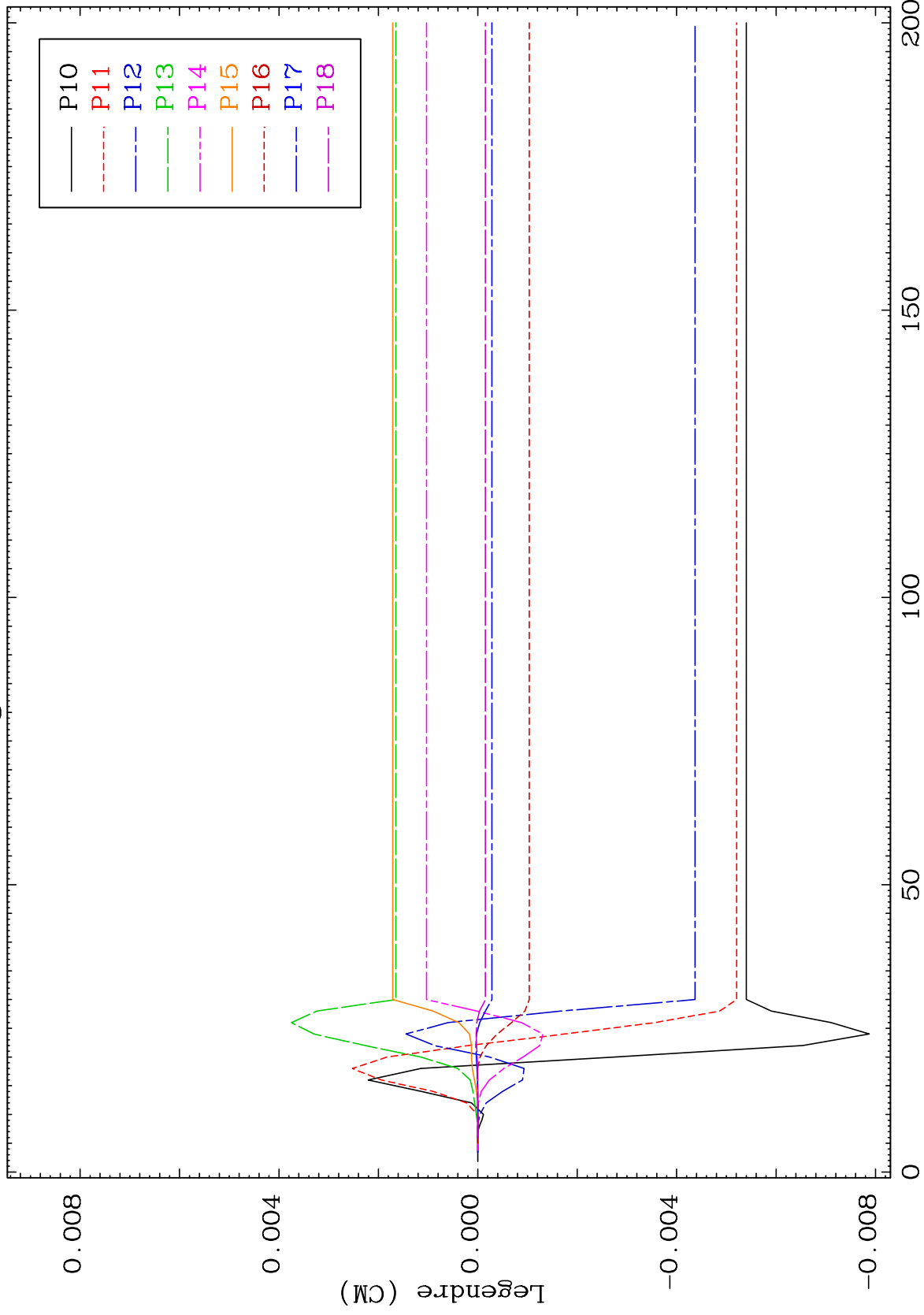
Incident Energy (MeV)

60

MAT 5340

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

53-I -132



61

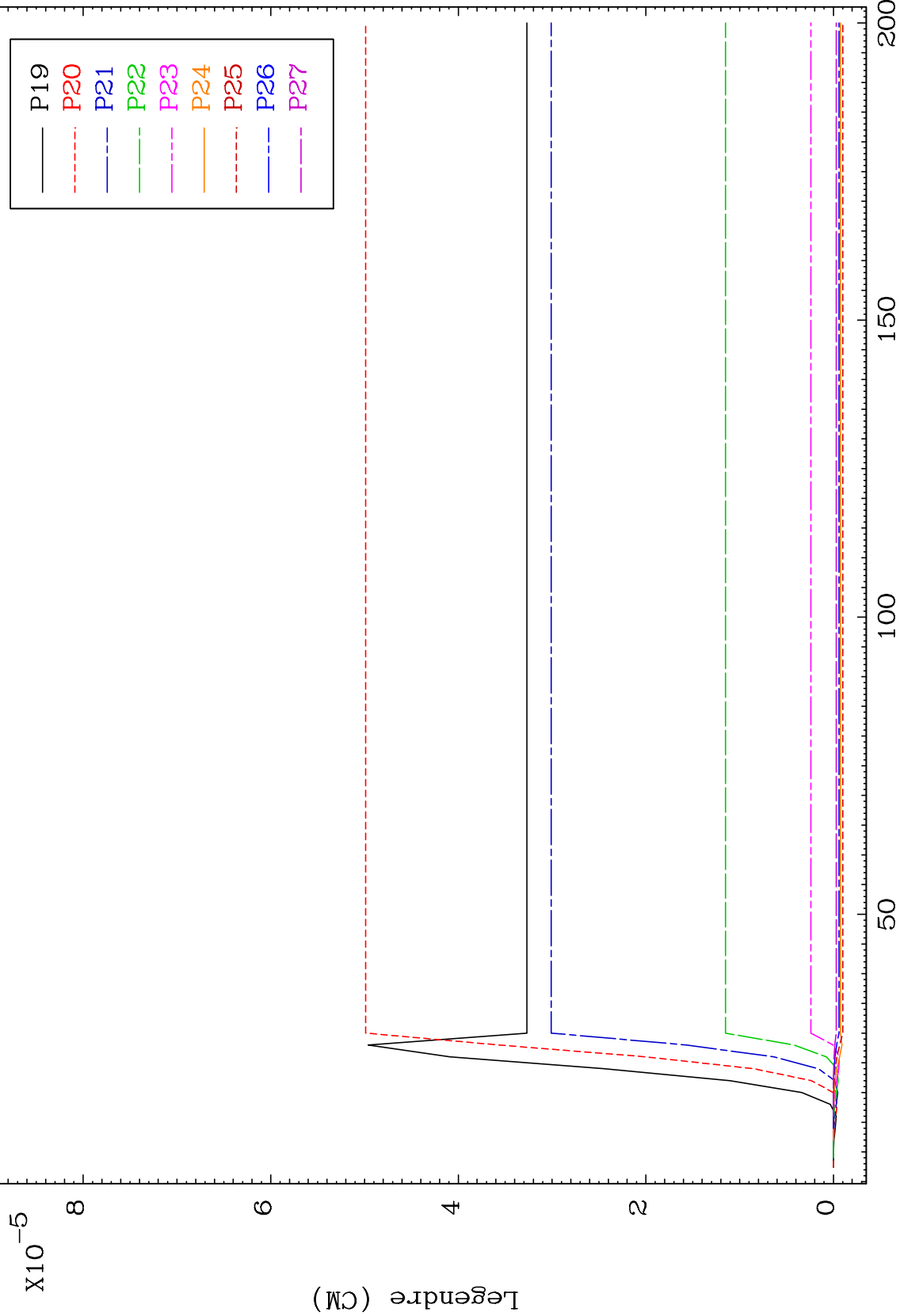
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



62

Incident Energy (MeV)

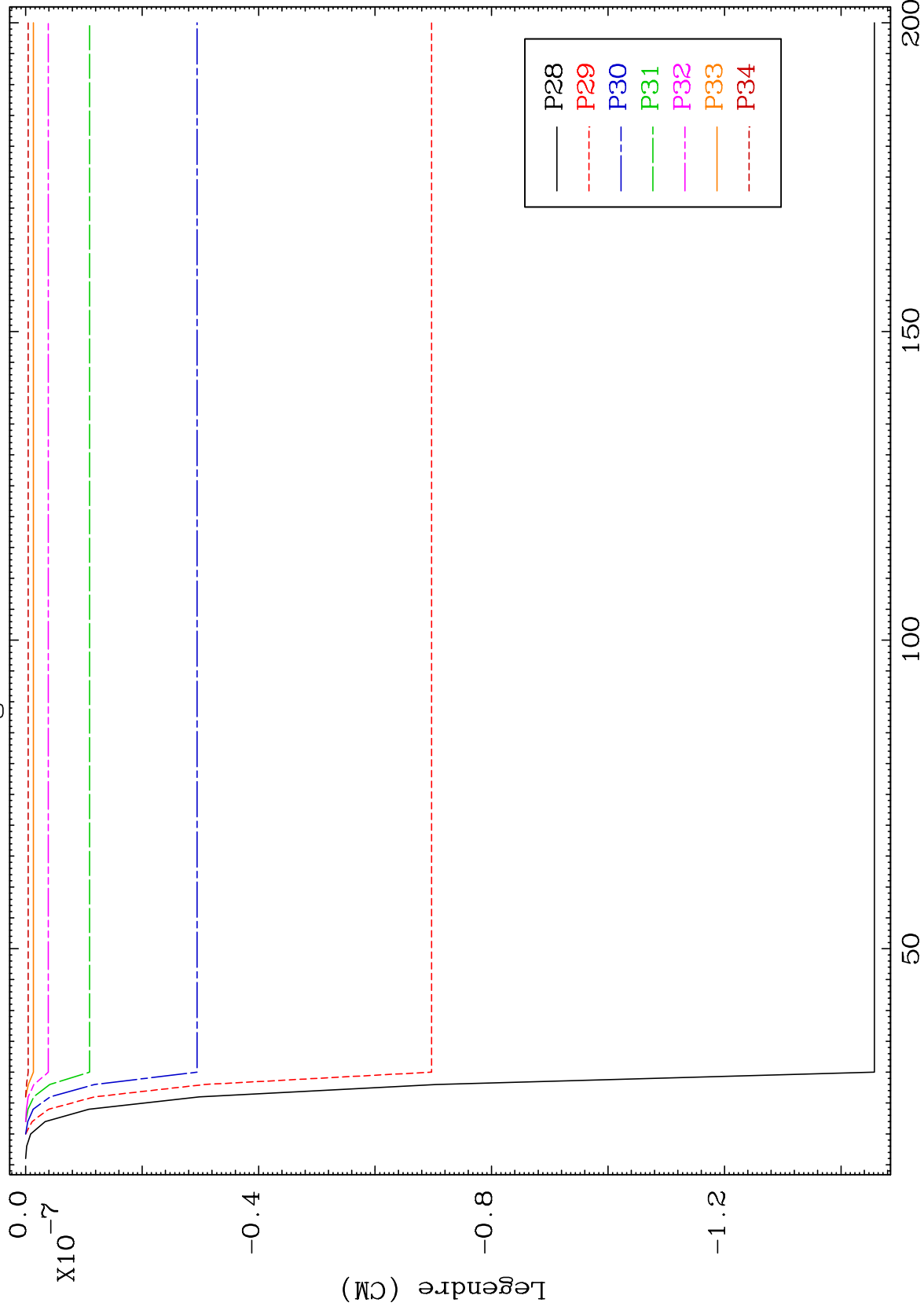
53-I -132

MAT 5340

MT= 63 (n,n') Level

53-I -132

Legendre Coefficients



63

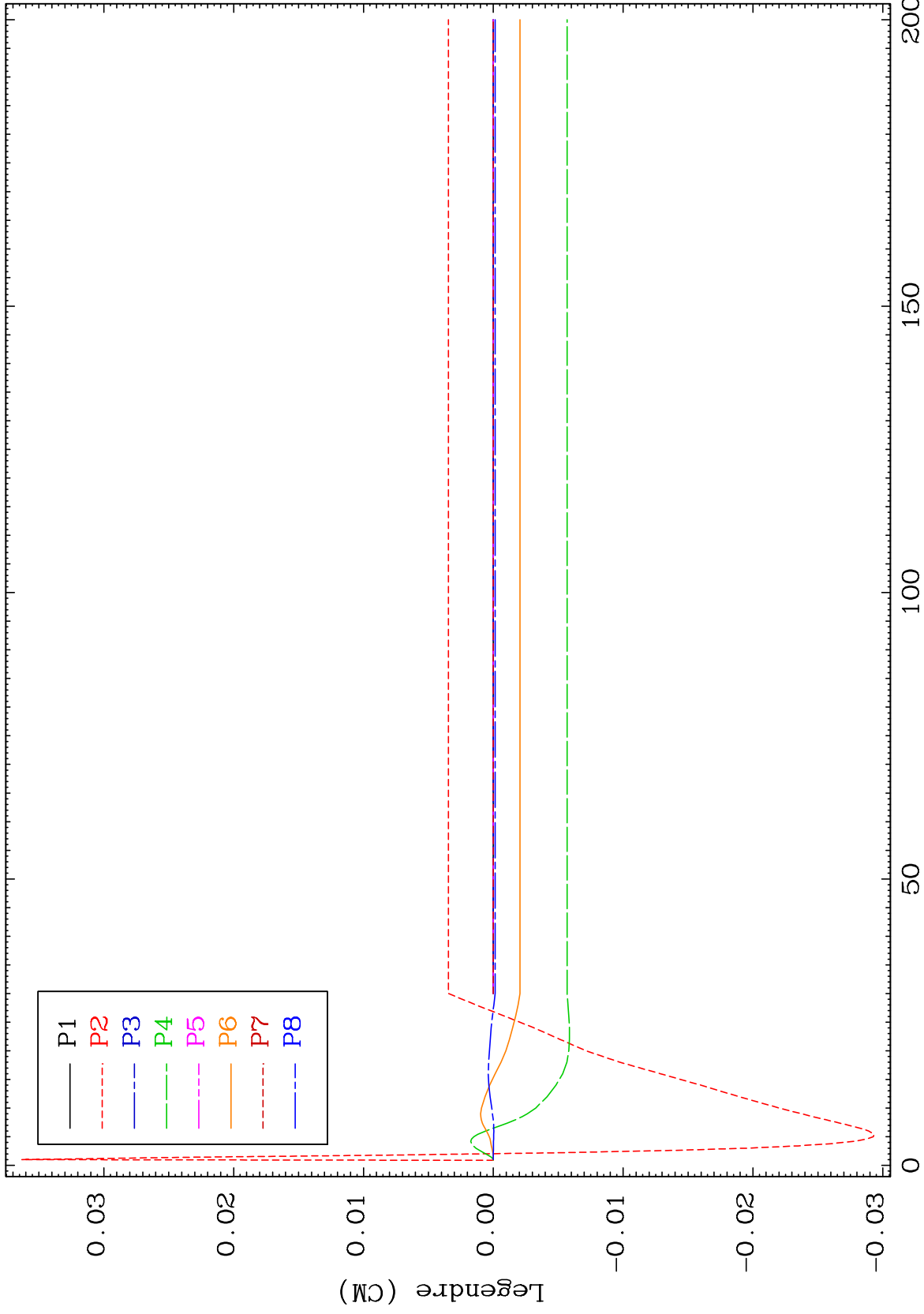
Incident Energy (MeV)

53-I -132

MAT 5340

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

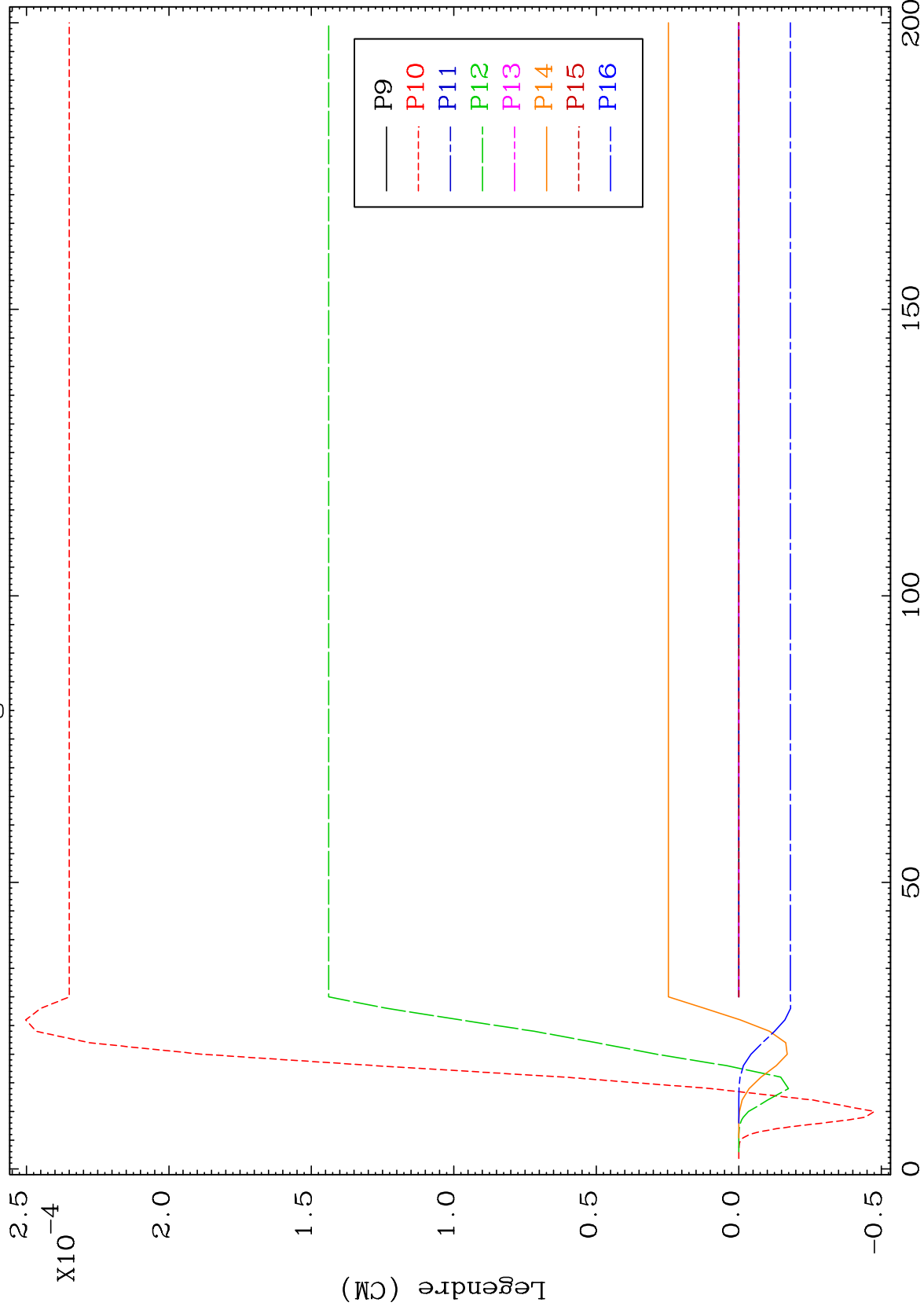
53-I -132



64

Incident Energy (MeV)

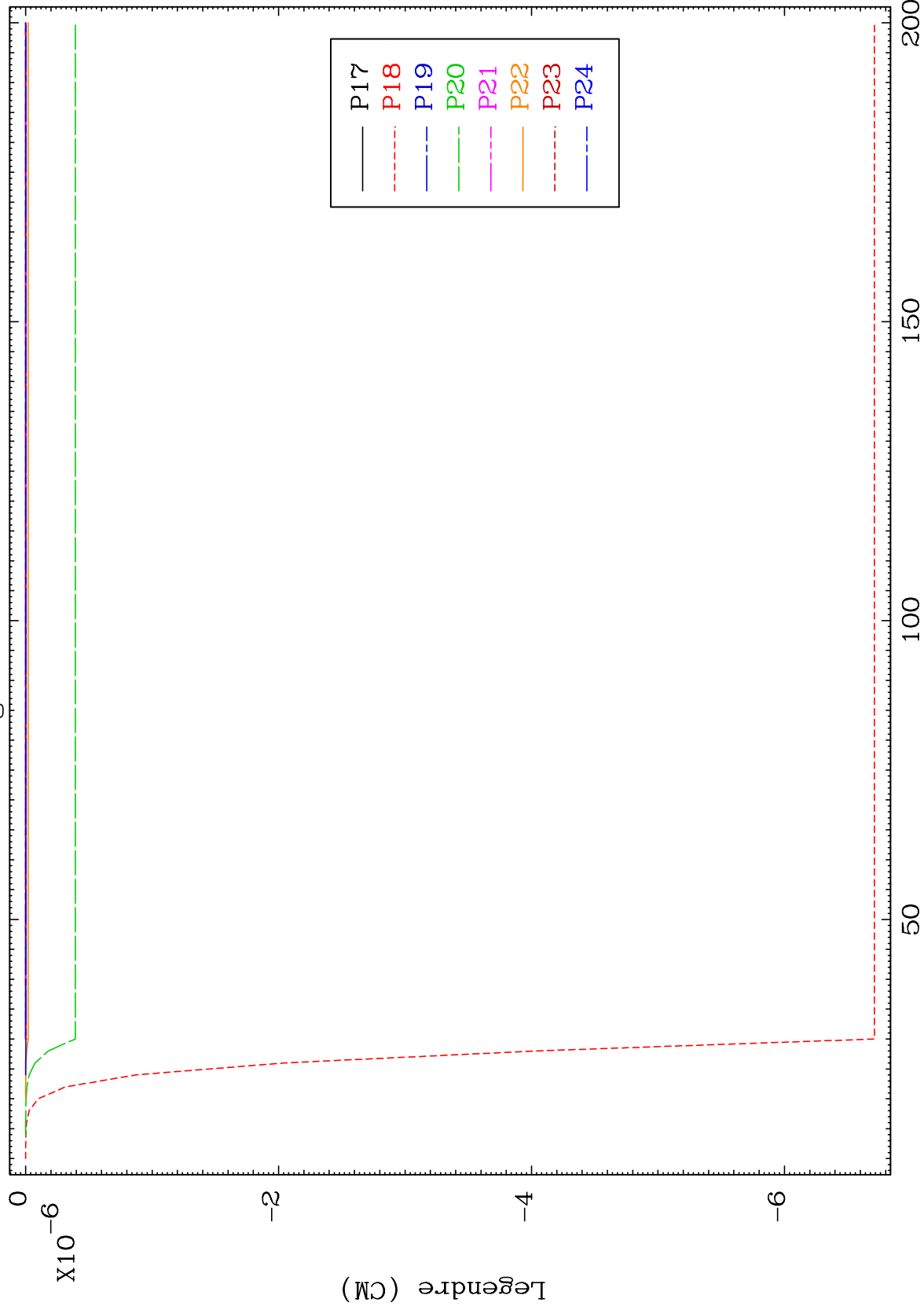
53-I -132



MAT 5340

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

53-I -132



66

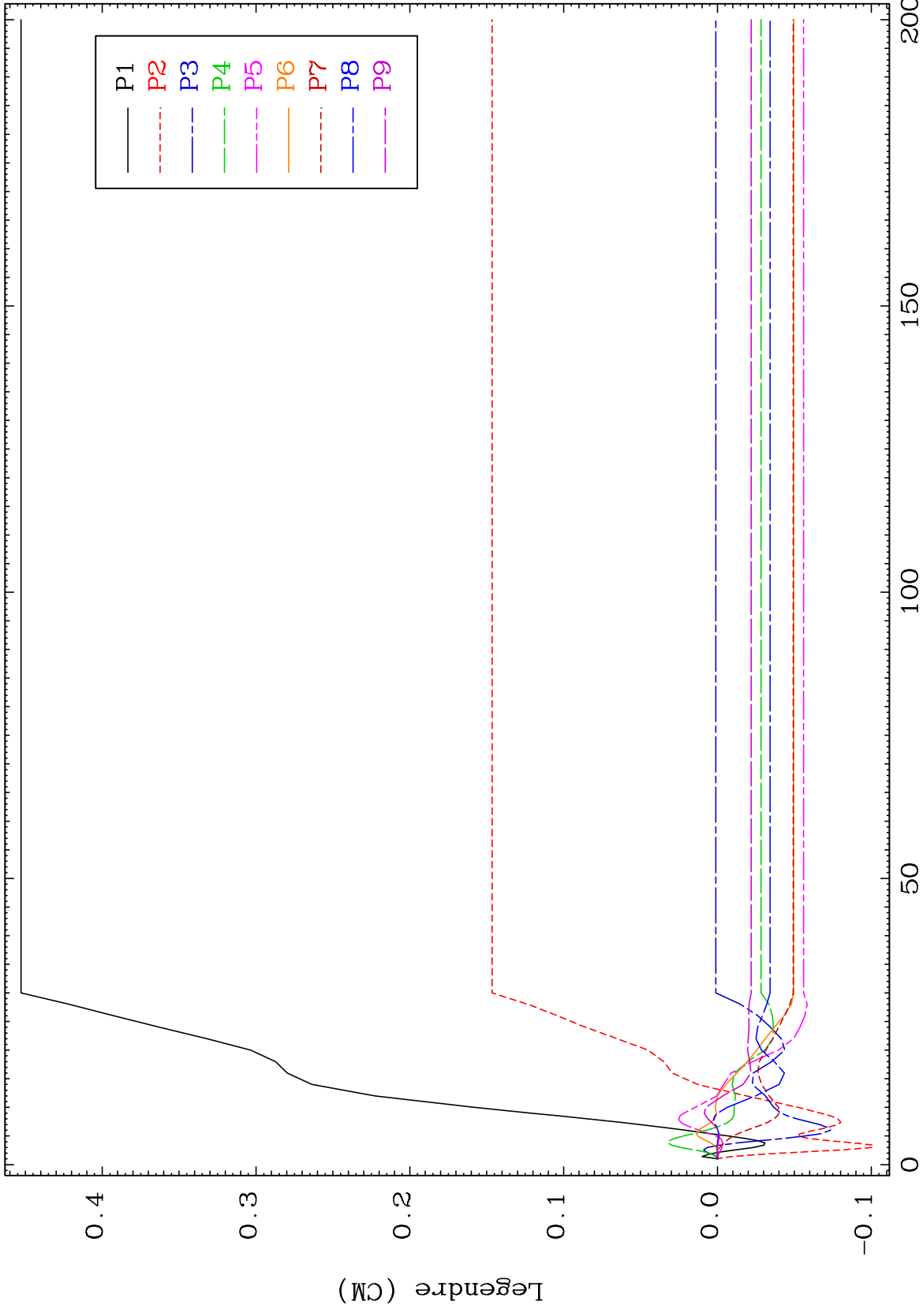
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



67

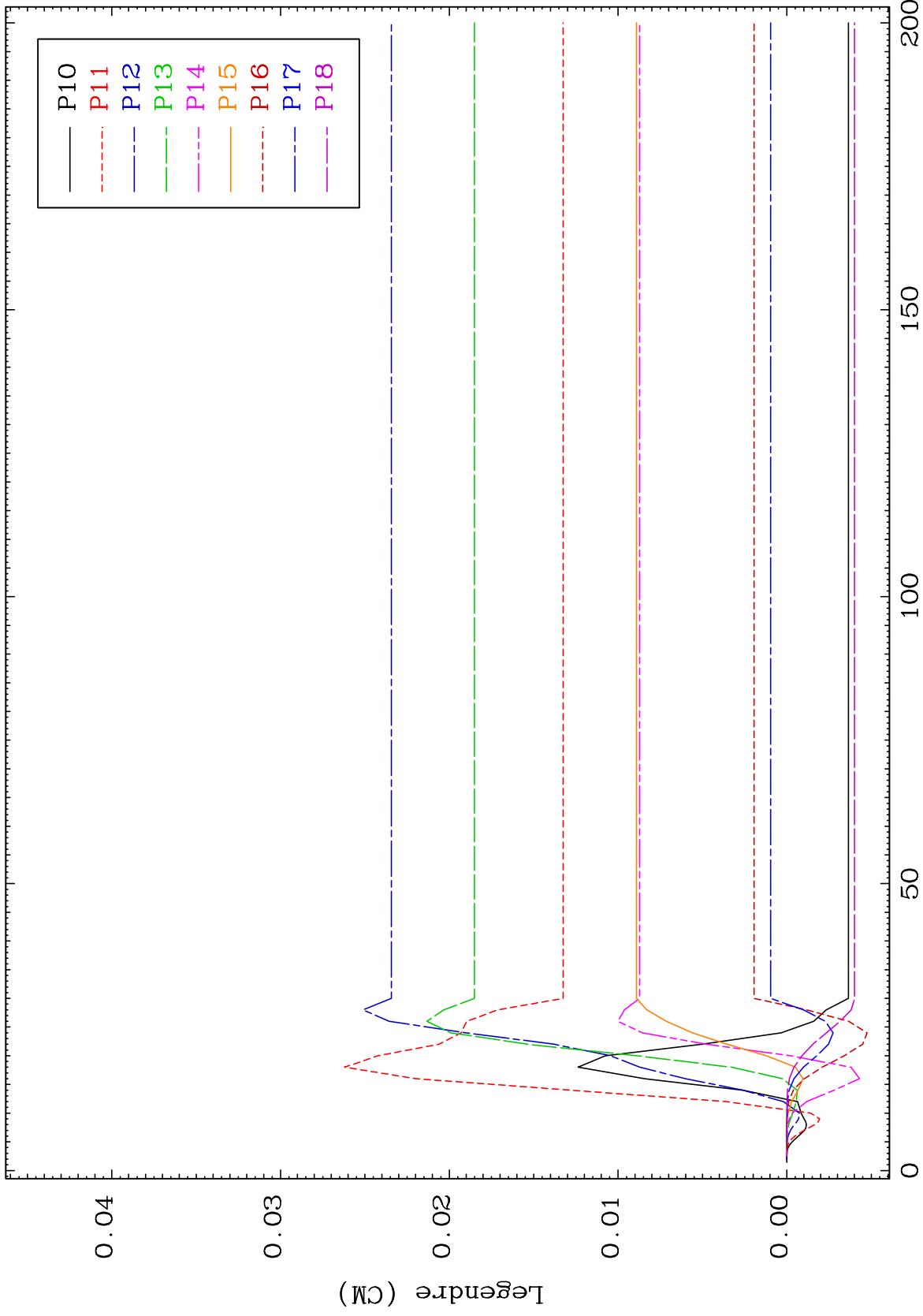
Incident Energy (MeV)

53-I -132

MAT 5340

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

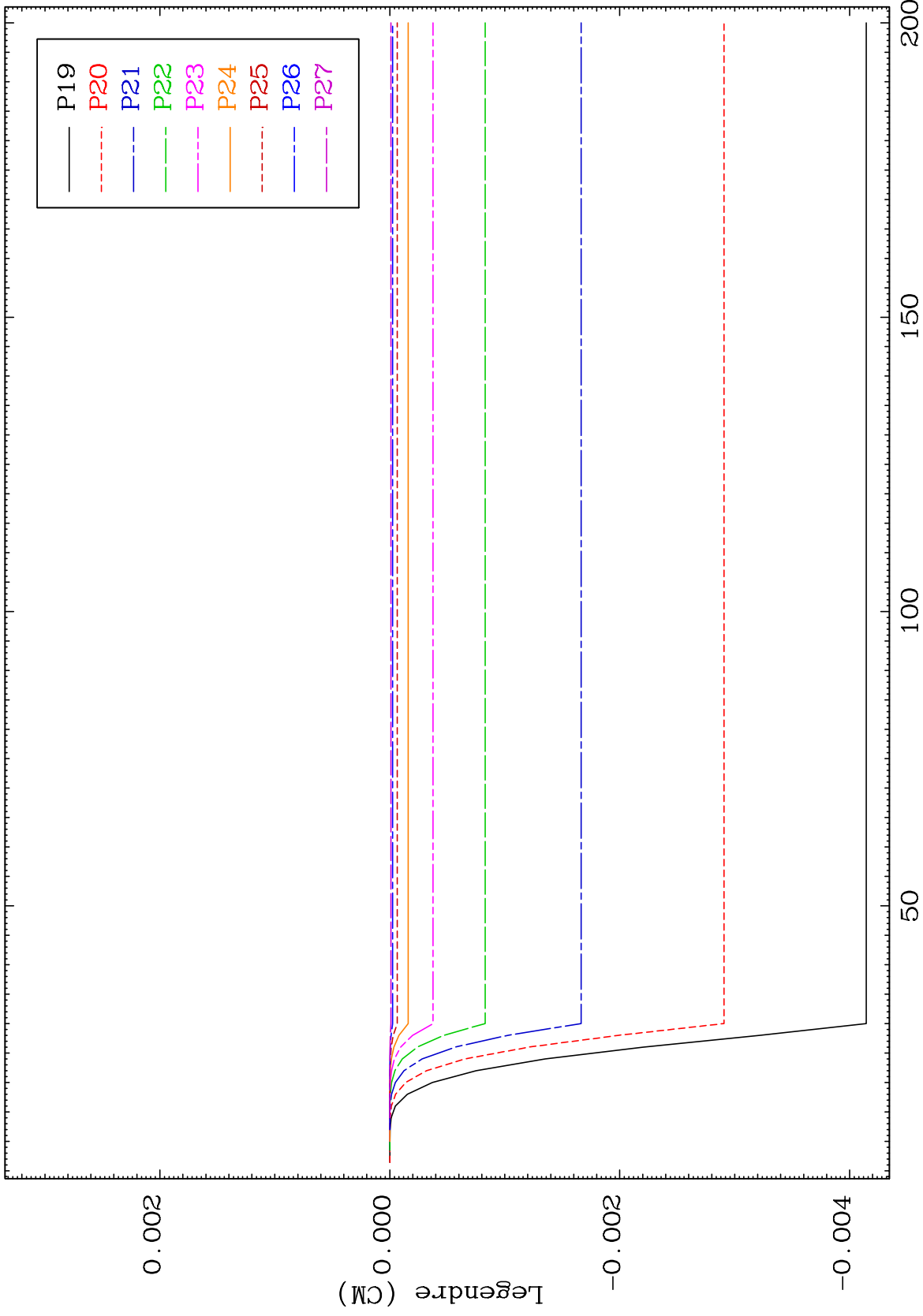
53-I -132



68

Incident Energy (MeV)

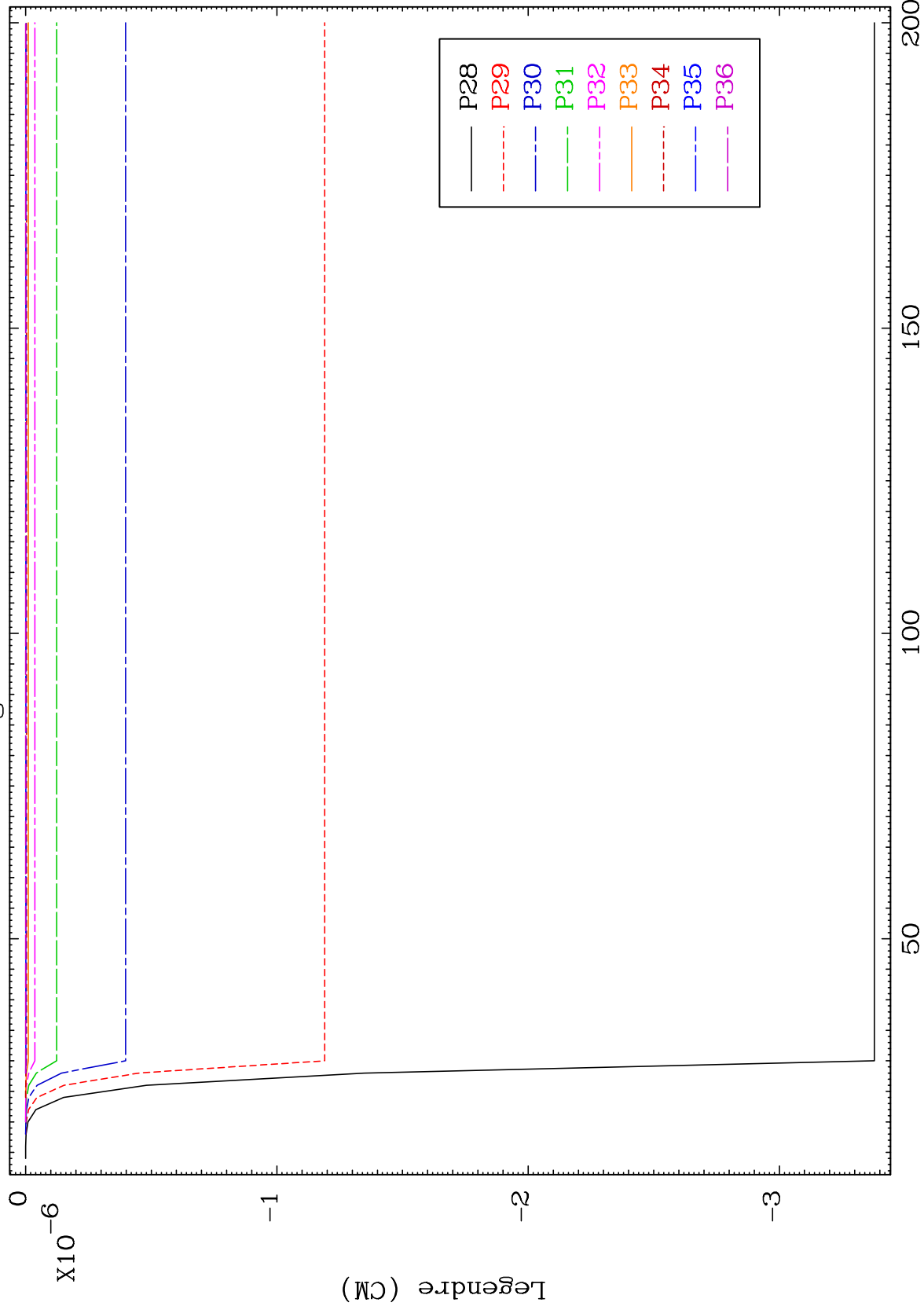
53-I -132



MAT 5340

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

53-I -132



70

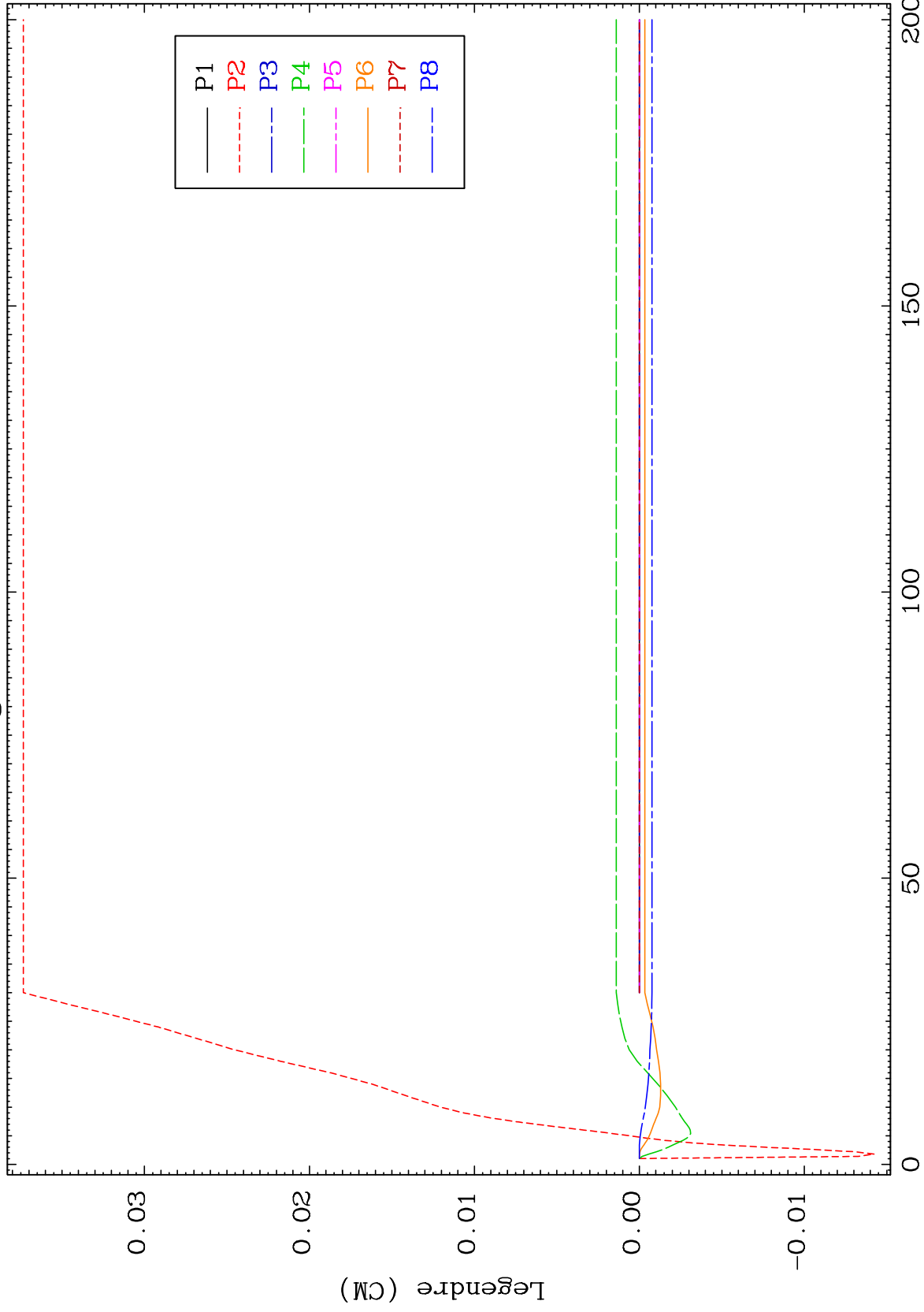
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



71

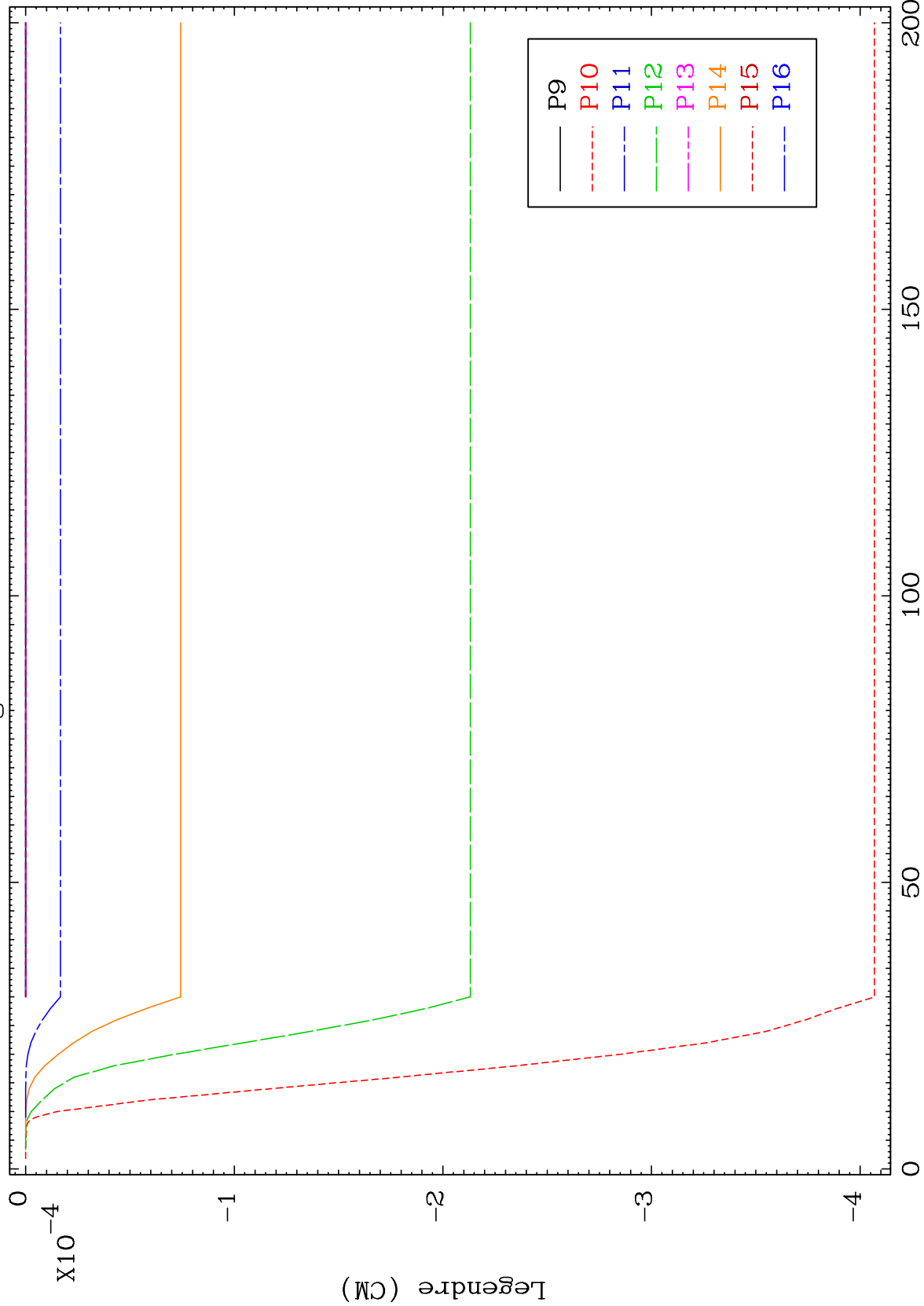
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



72

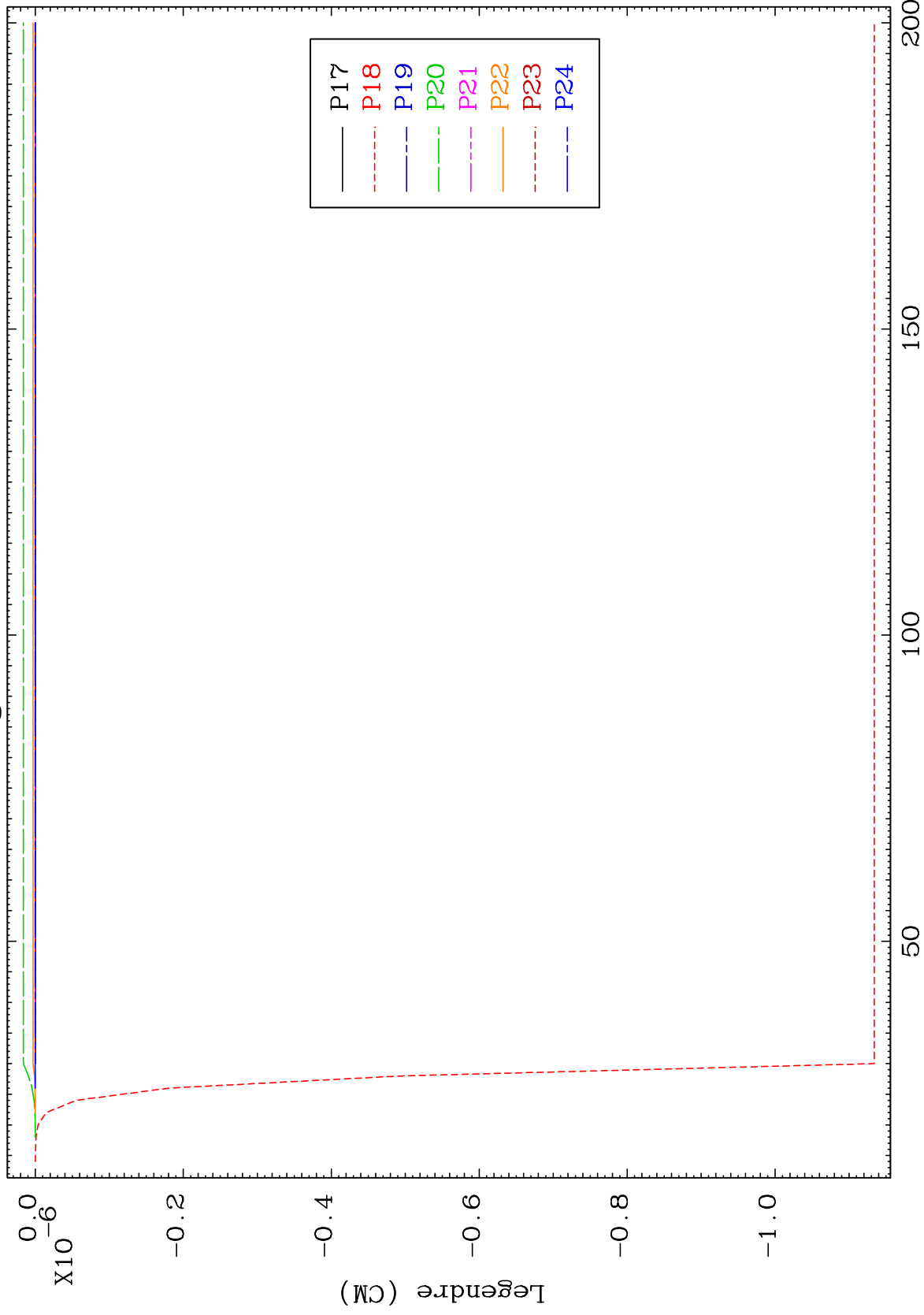
Incident Energy (MeV)

53-I -132

MAT 5340

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

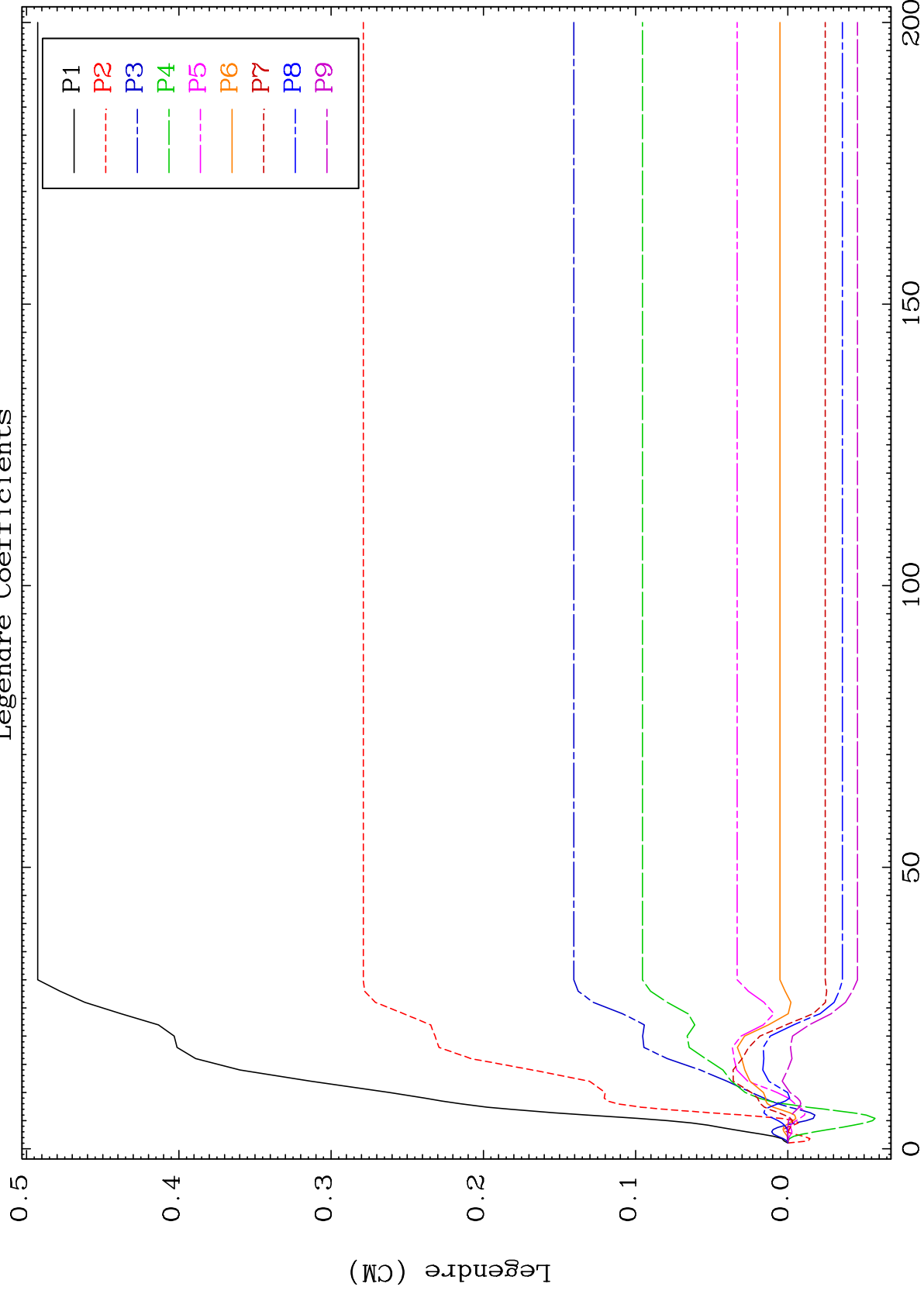
53-I -132



73

Incident Energy (MeV)

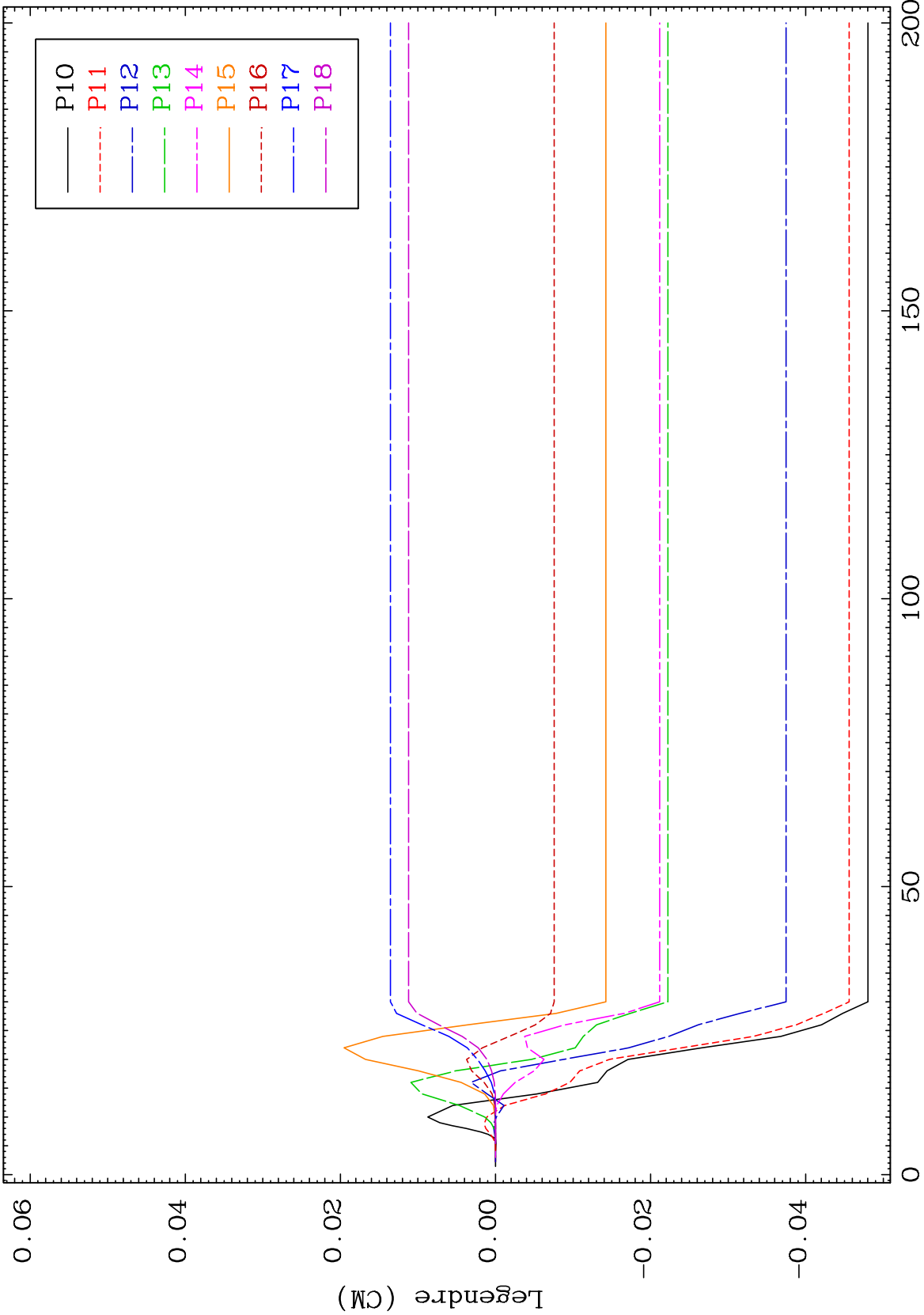
53-I -132



MAT 5340

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

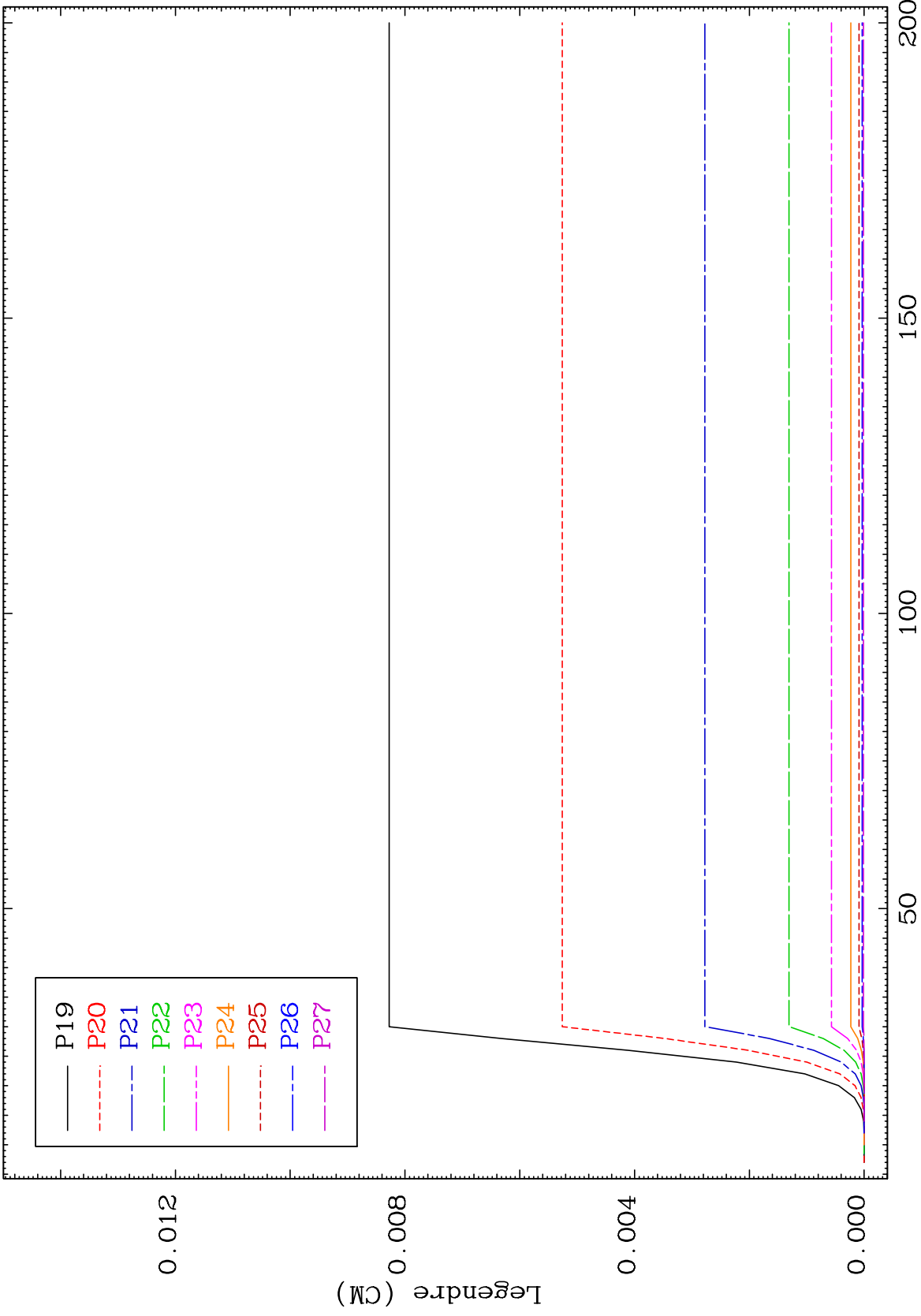
53-I -132

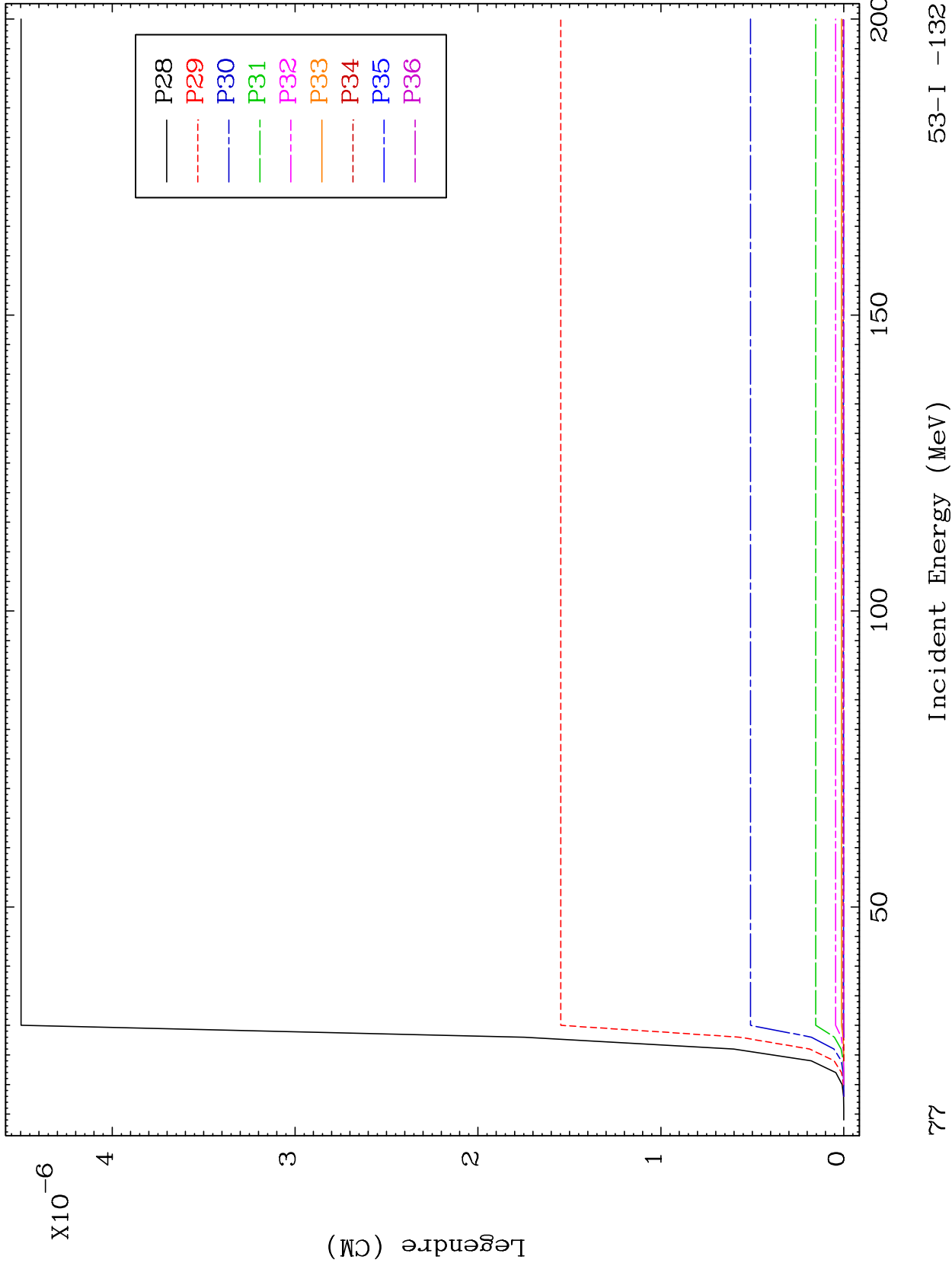


75

Incident Energy (MeV)

53-I -132

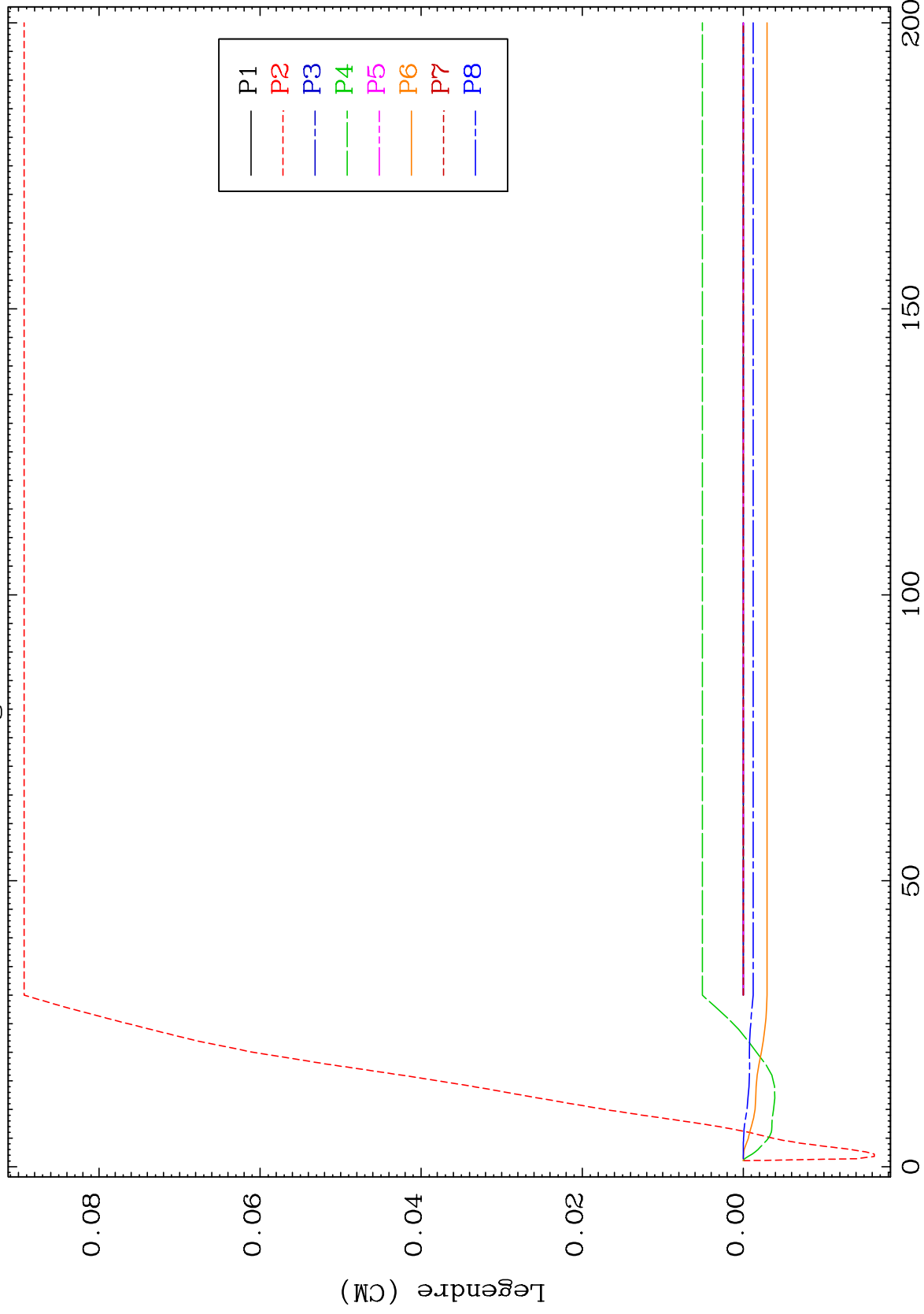




MAT 5340

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

53-I -132



78

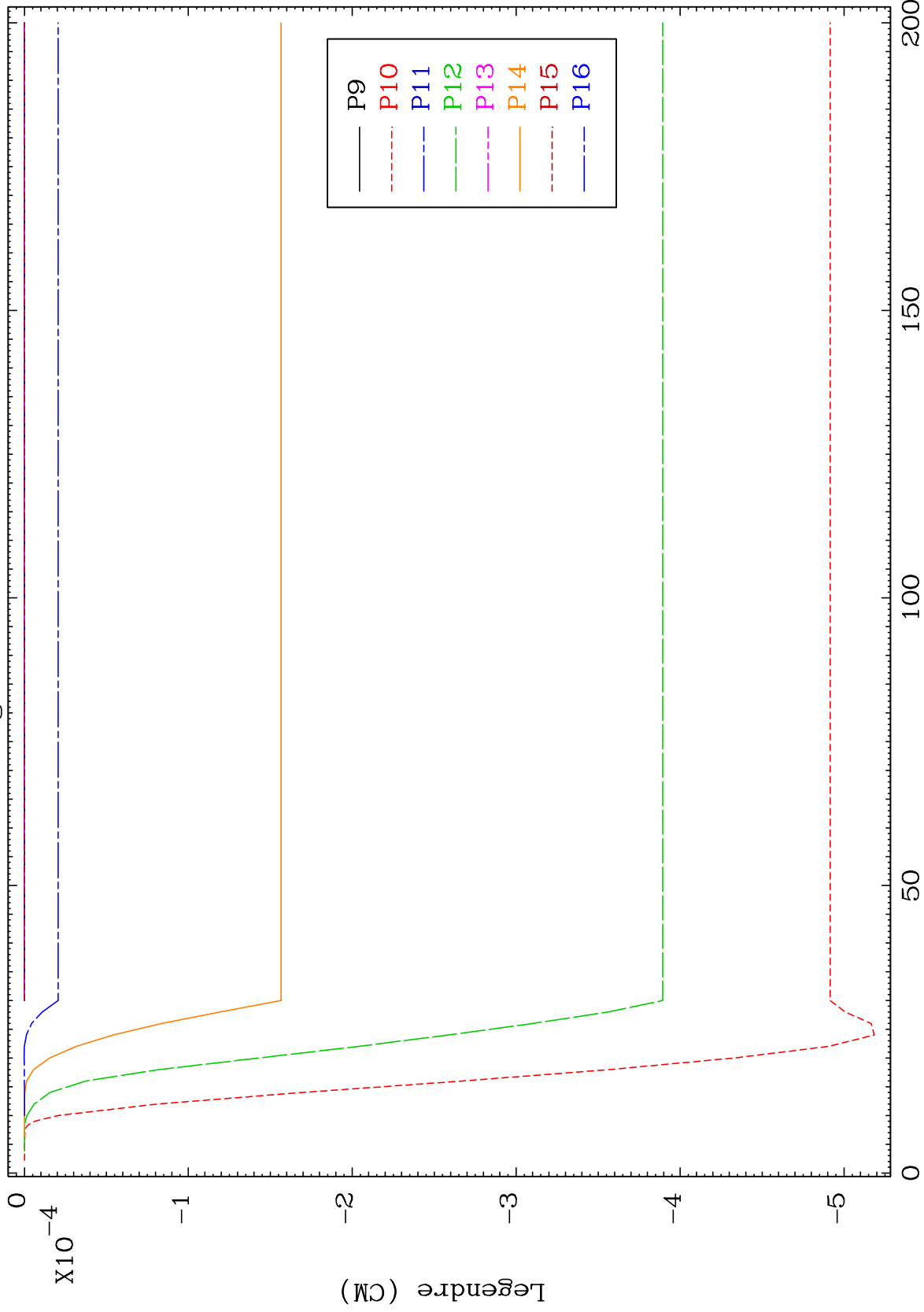
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



79

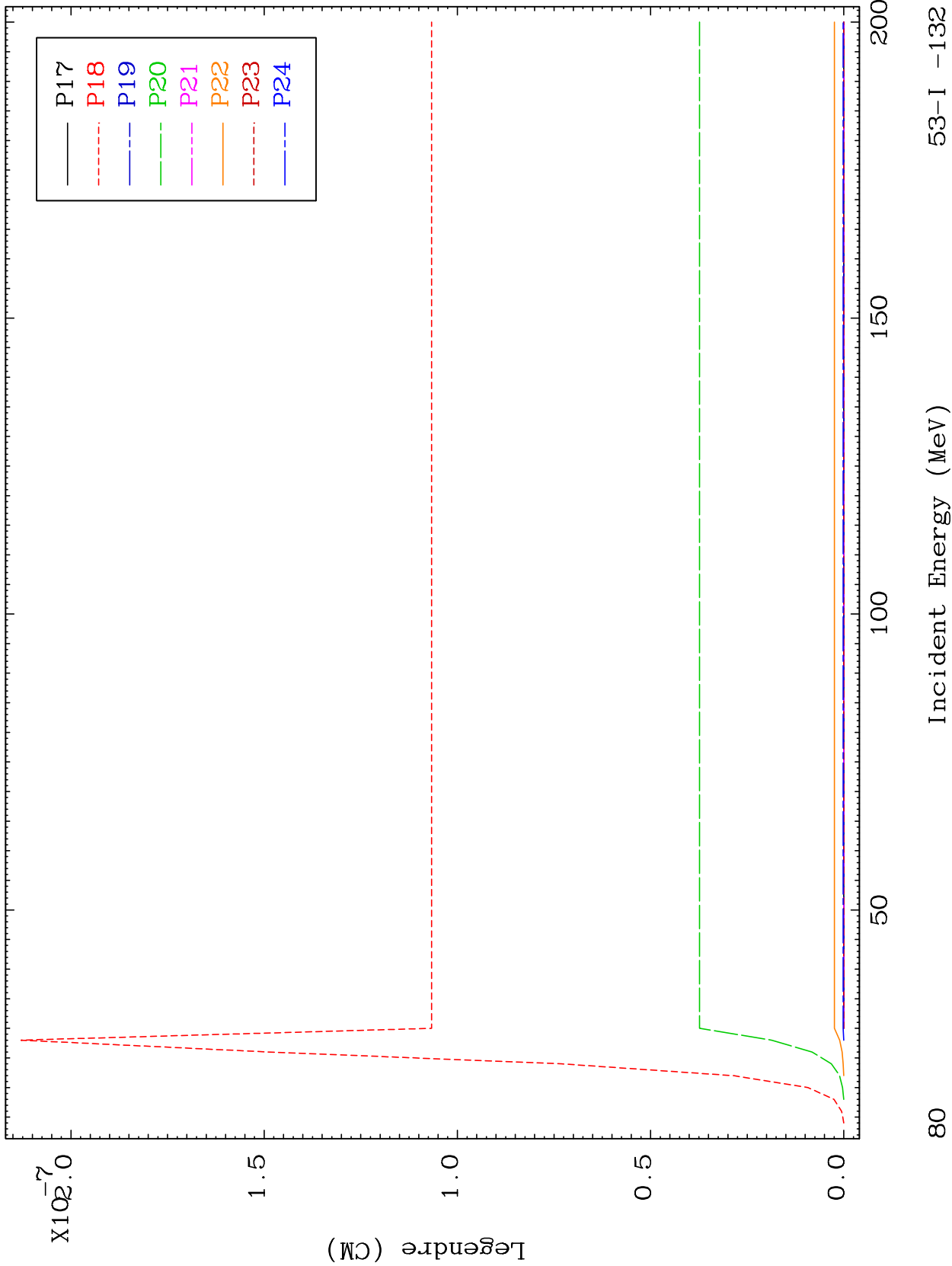
Incident Energy (MeV)

53-I -132

MAT 5340

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

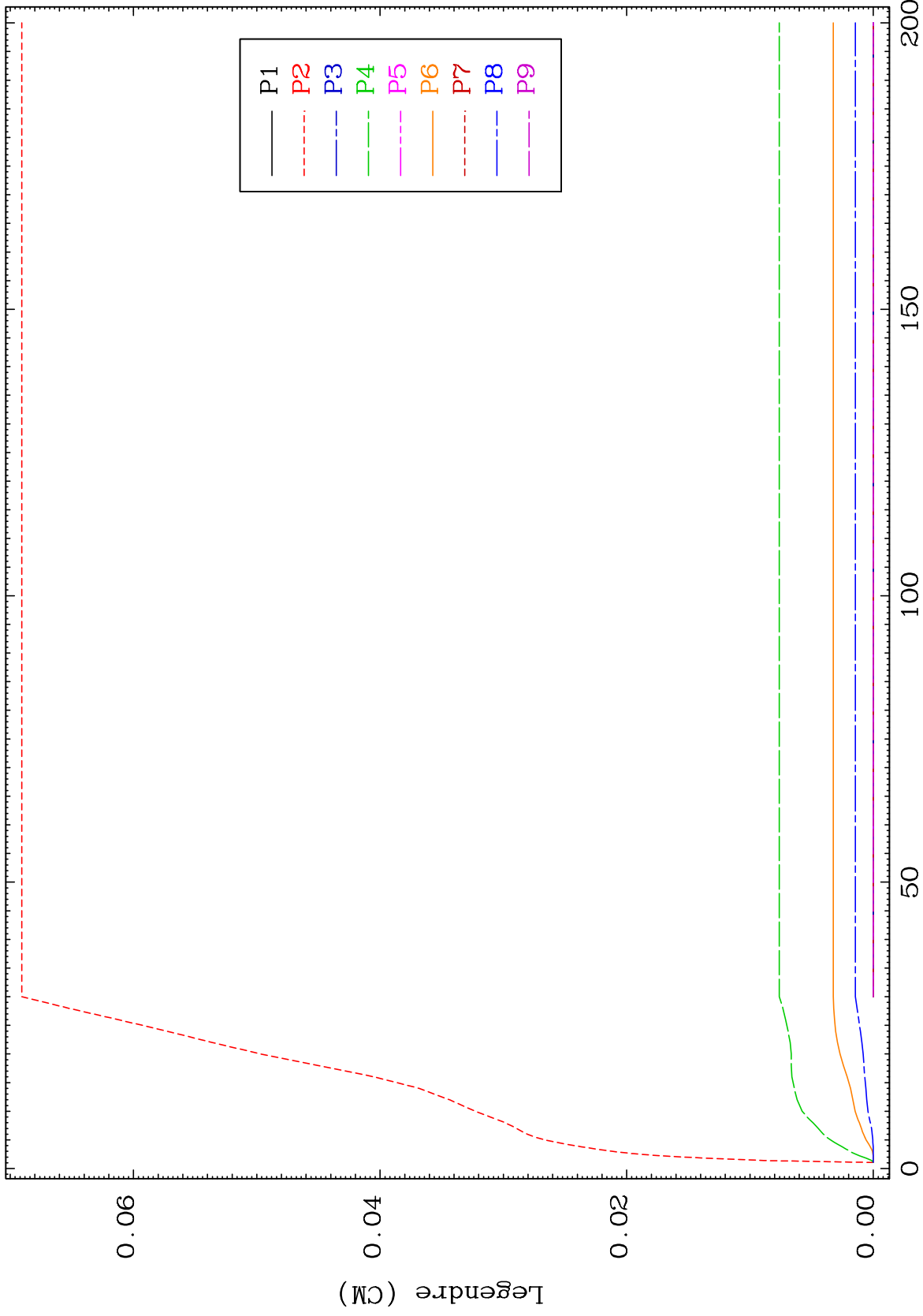
53-I -132



MAT 5340

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

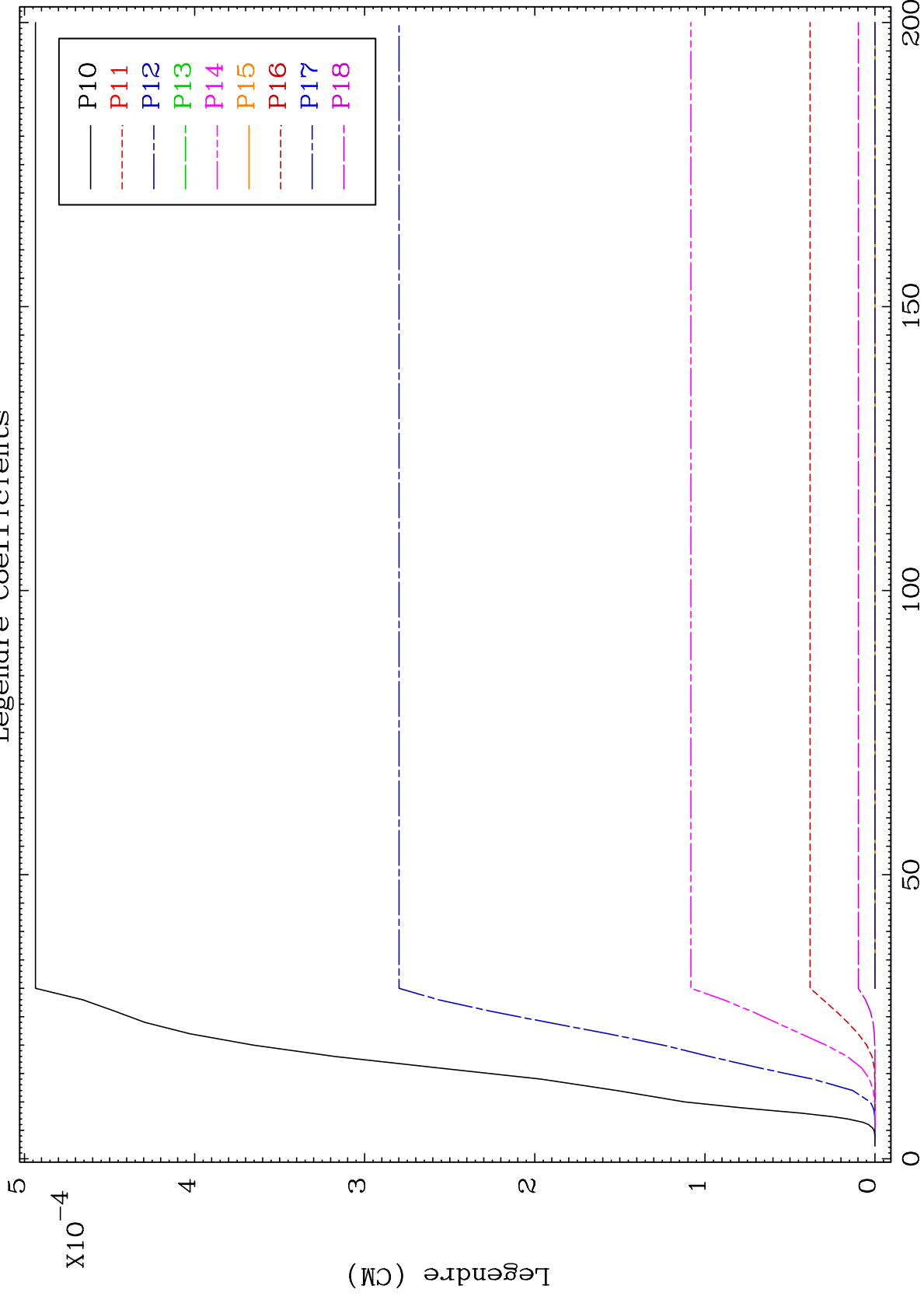
53-I -132



81

Incident Energy (MeV)

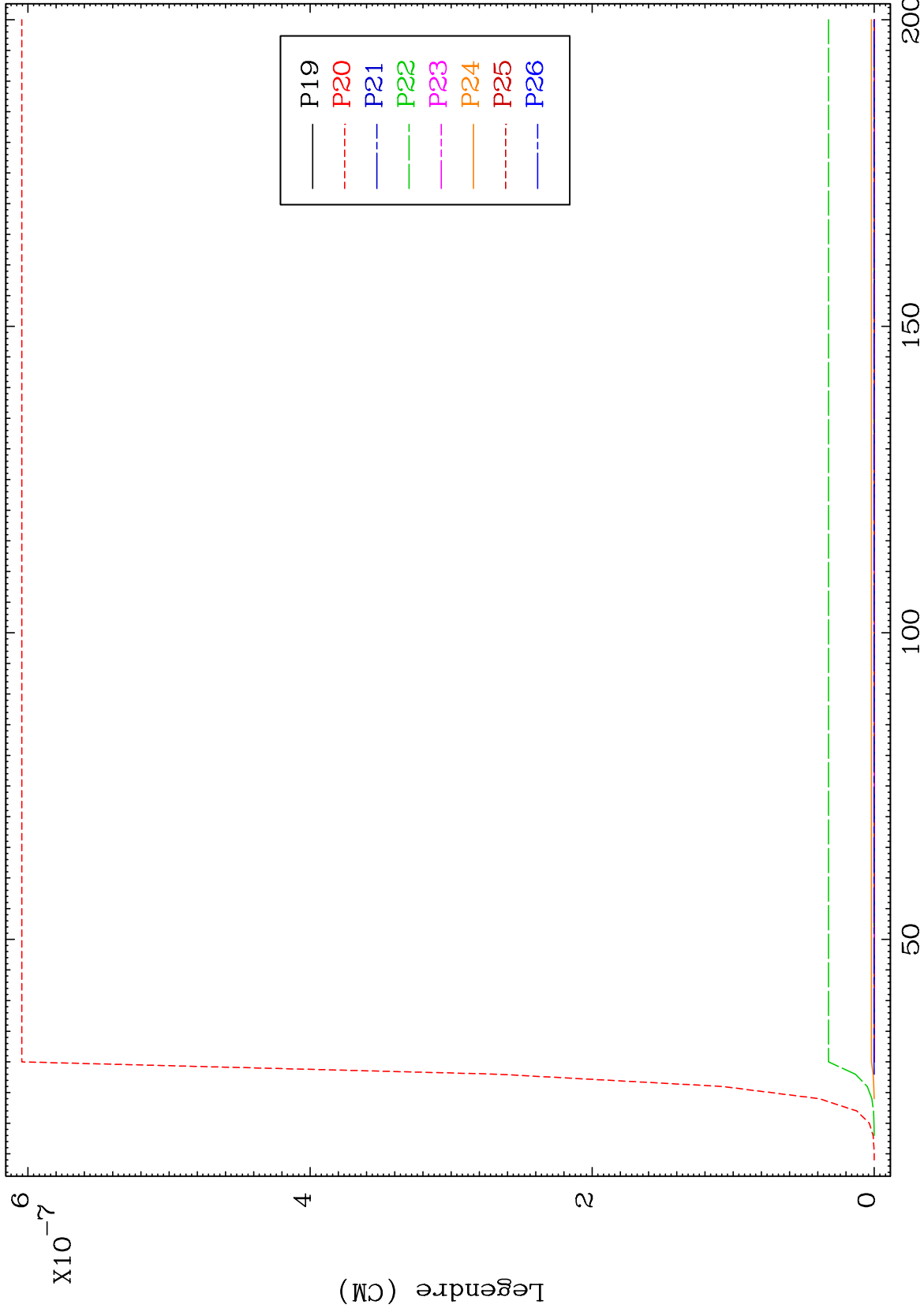
53-I -132



MAT 5340

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

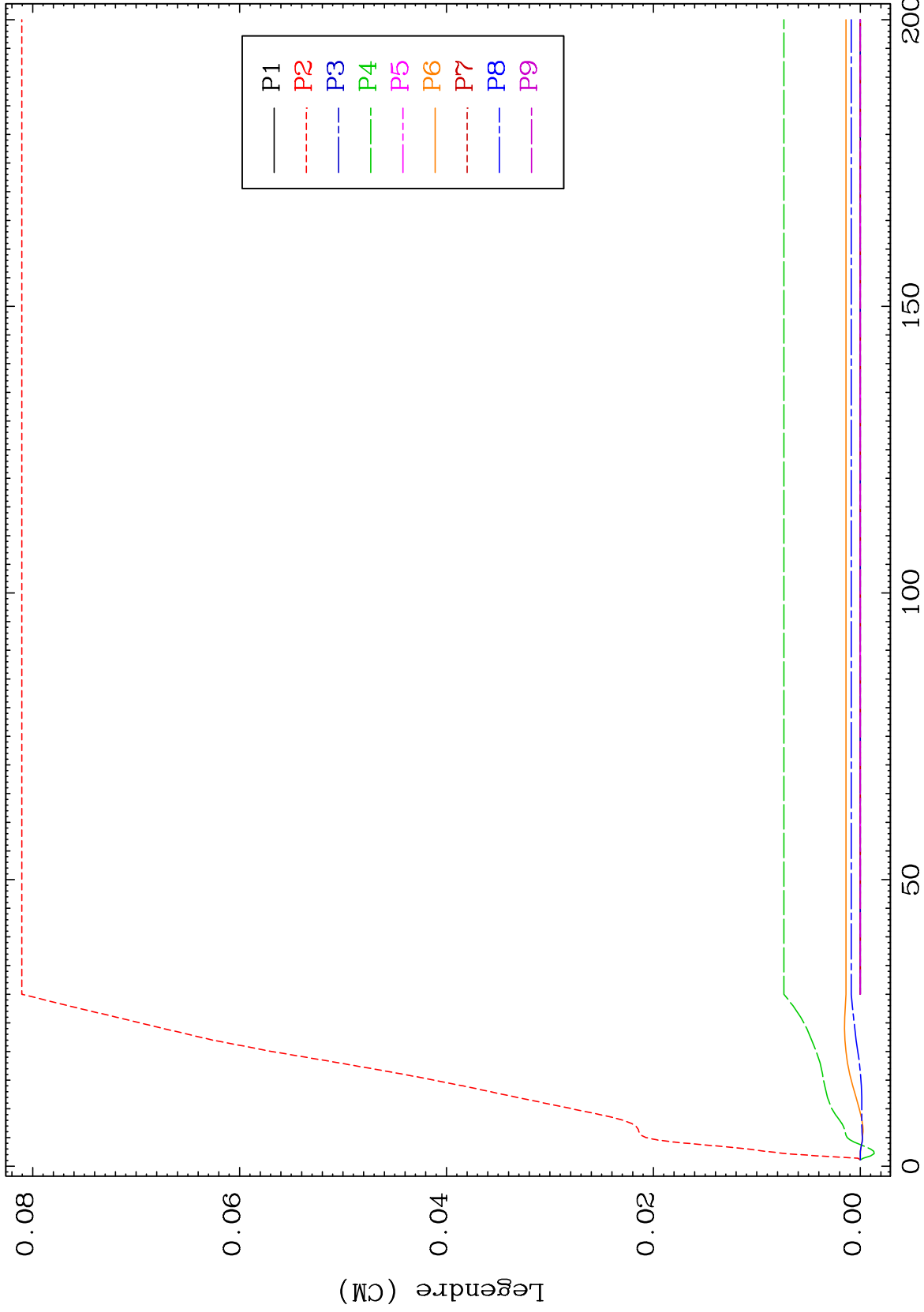
53-I -132



83

Incident Energy (MeV)

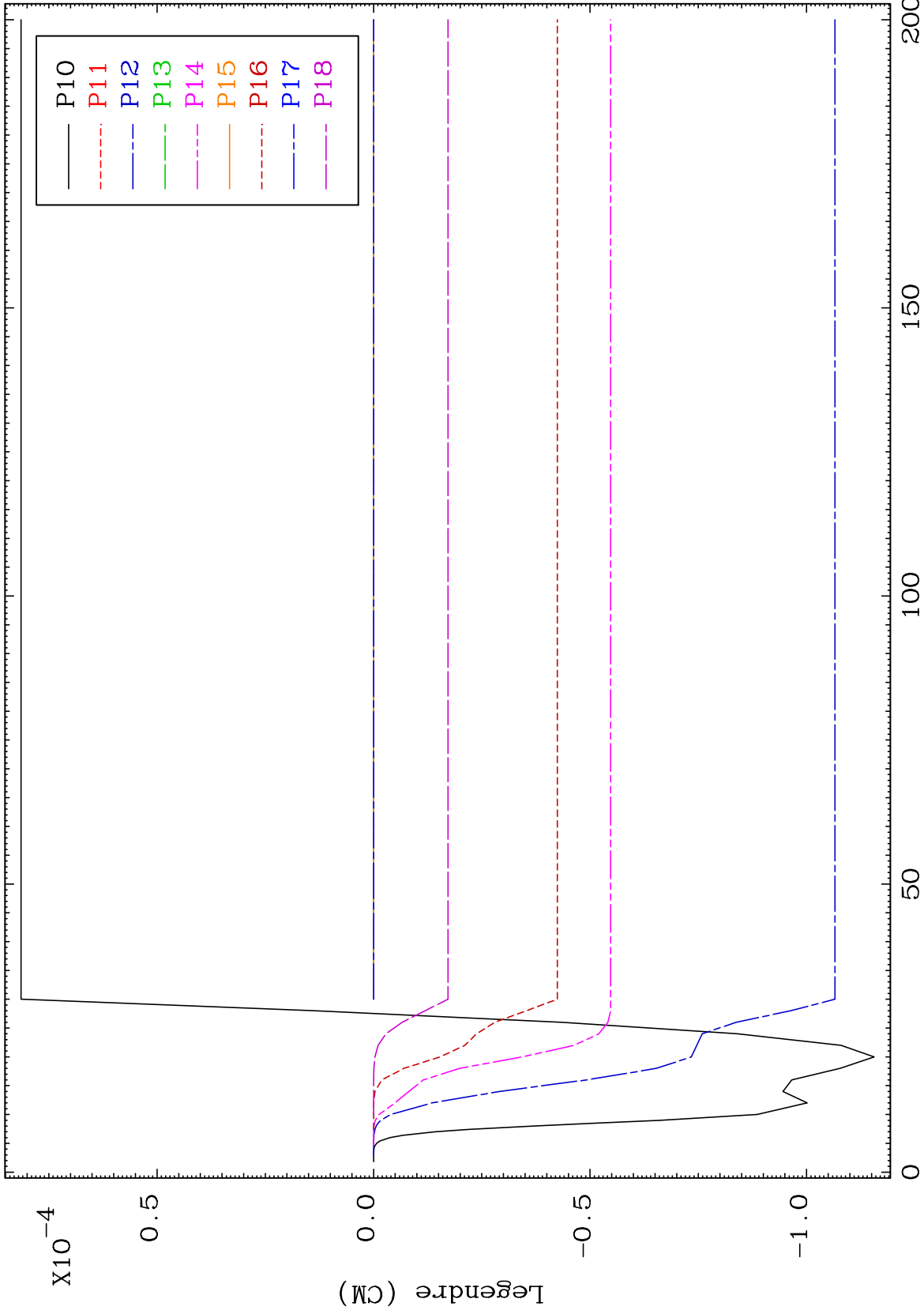
53-I -132



MAT 5340

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

53-I -132



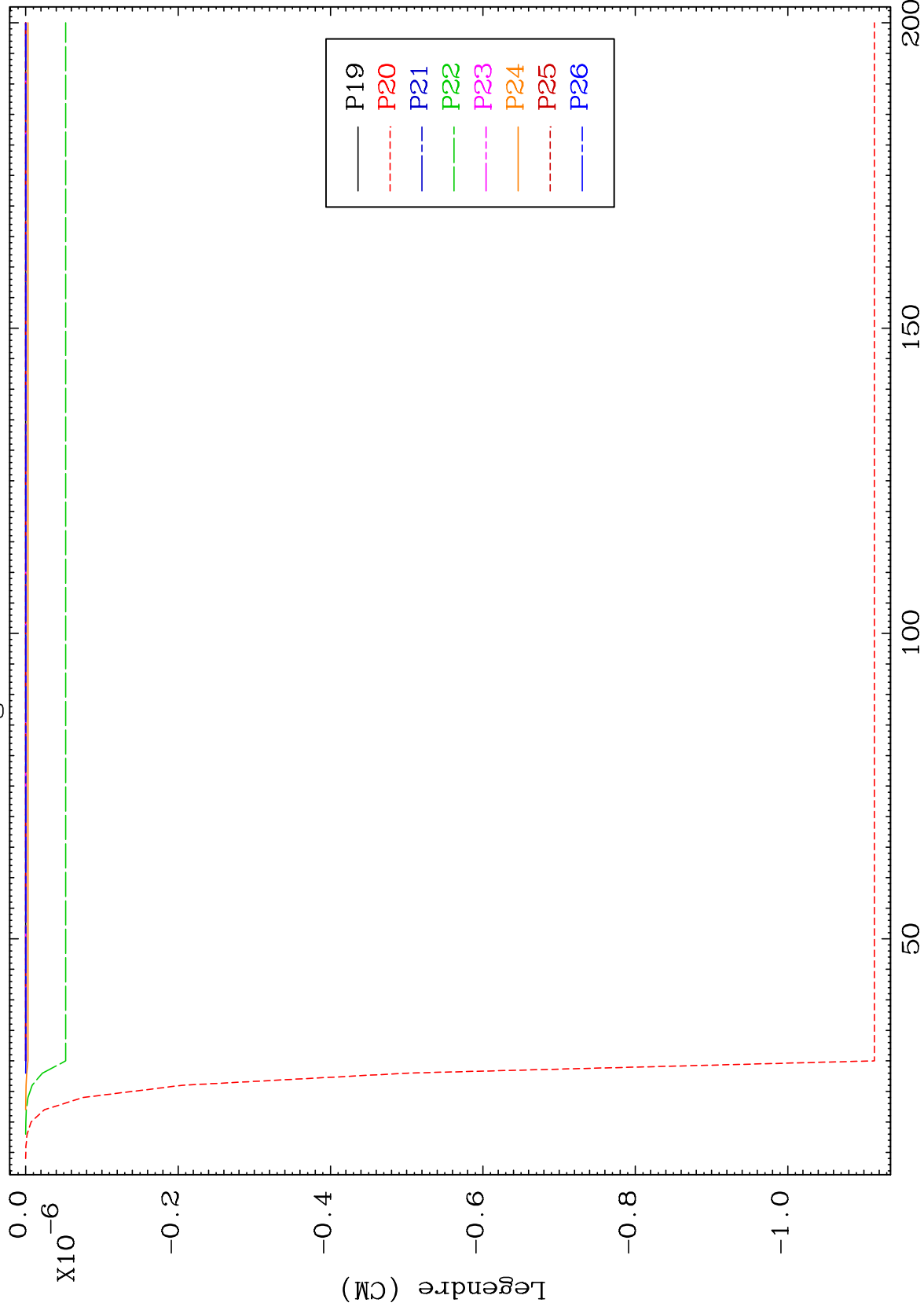
85

53-I -132

MAT 5340

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

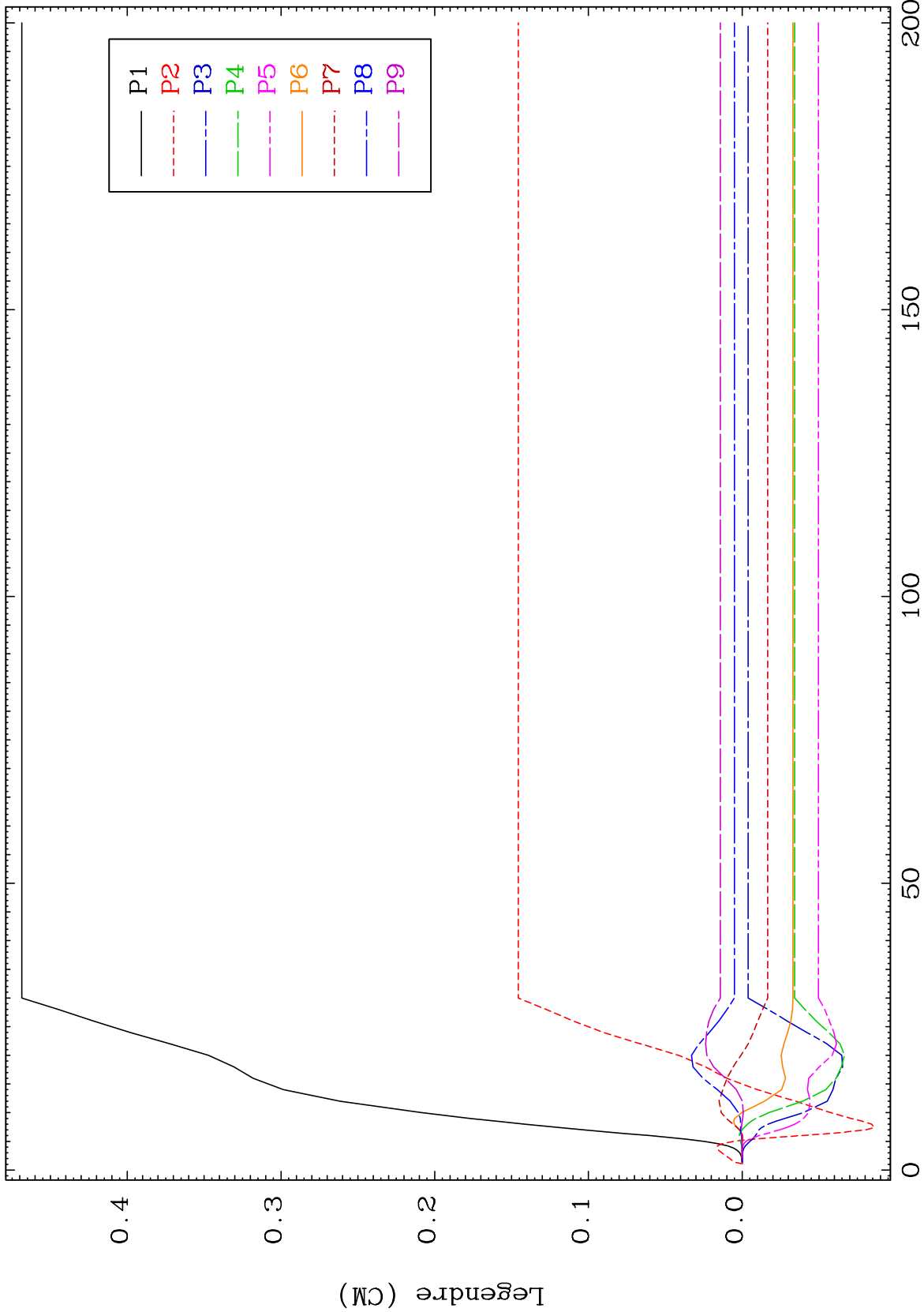
53-I -132

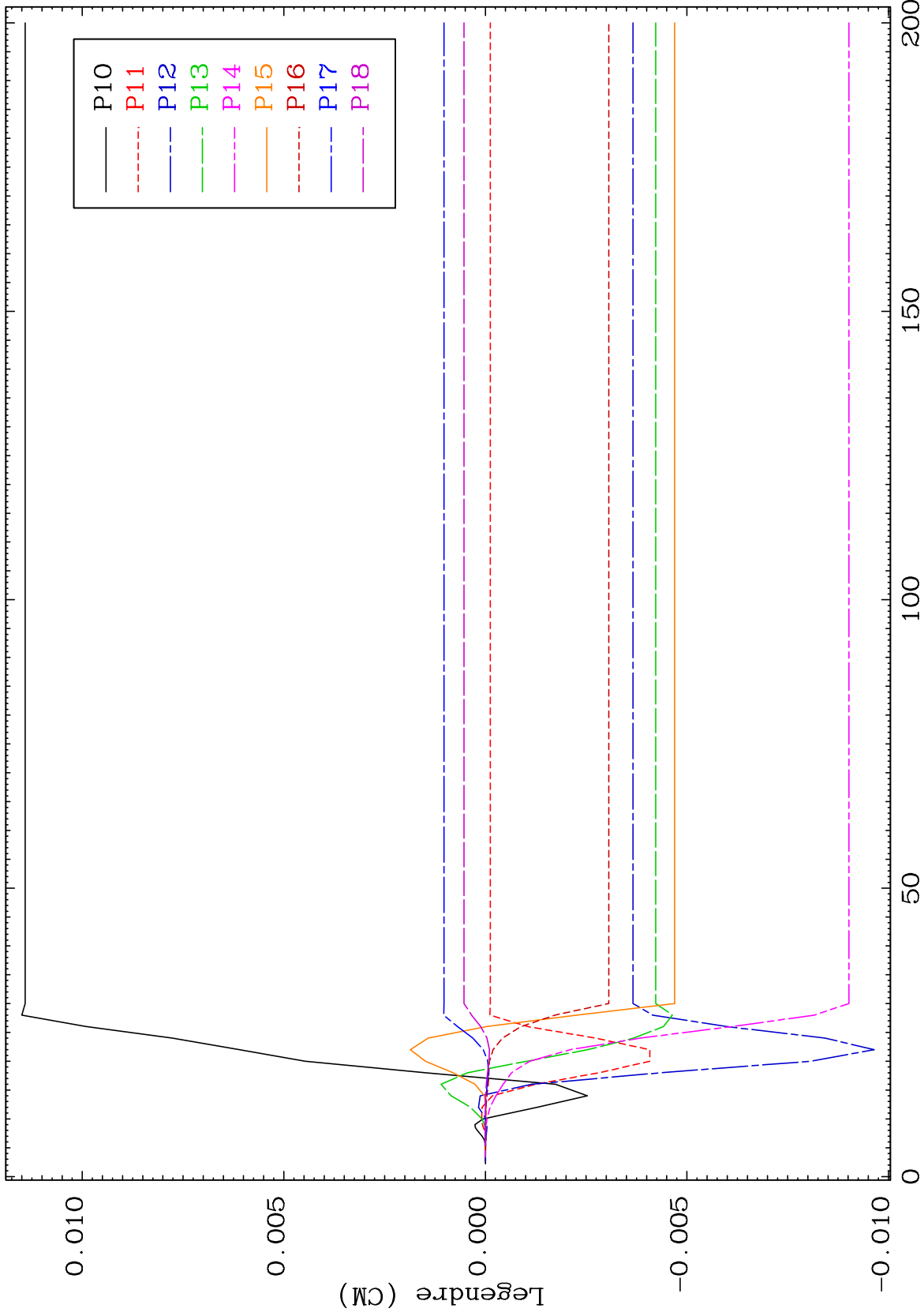


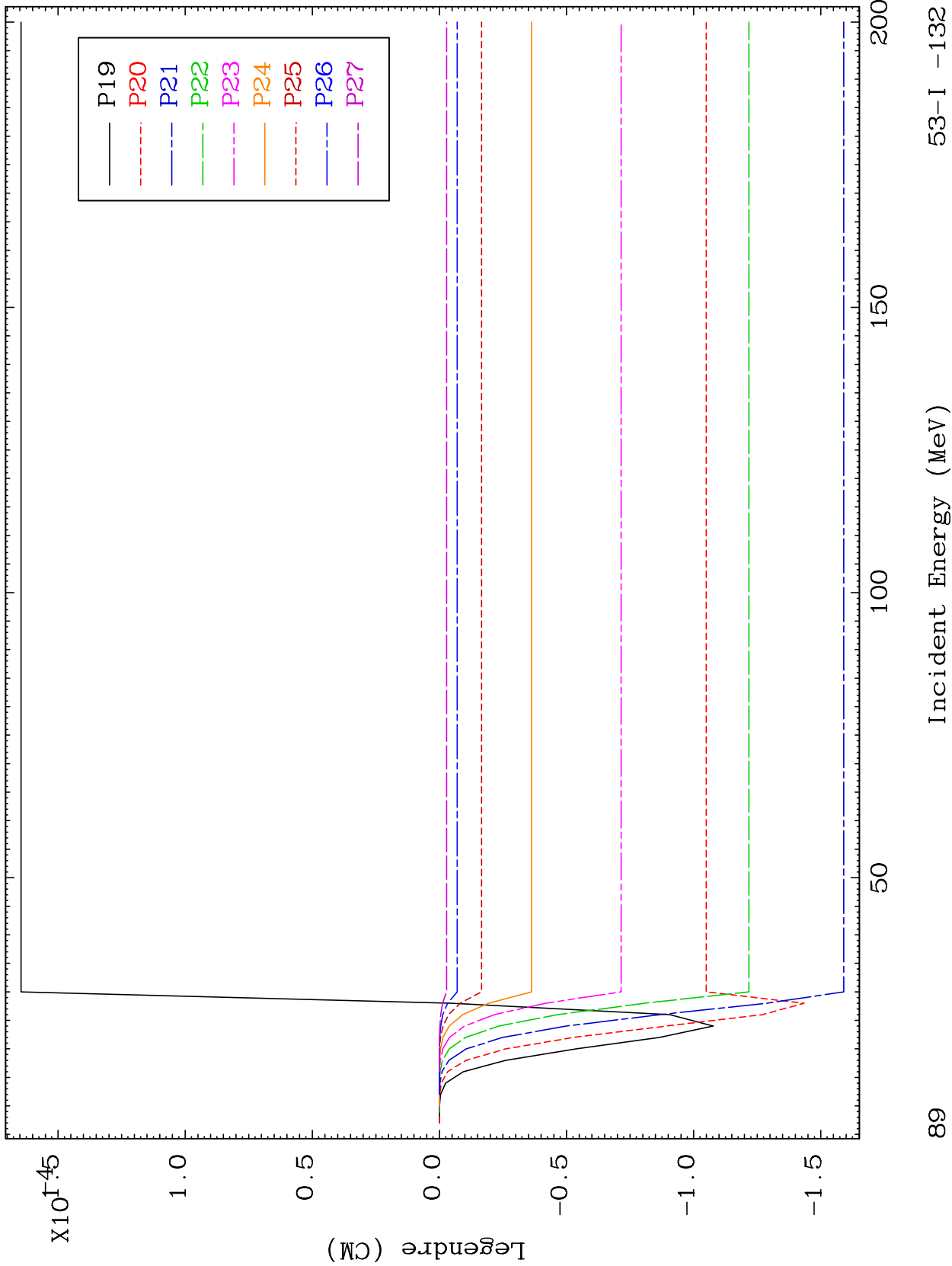
86

Incident Energy (MeV)

53-I -132



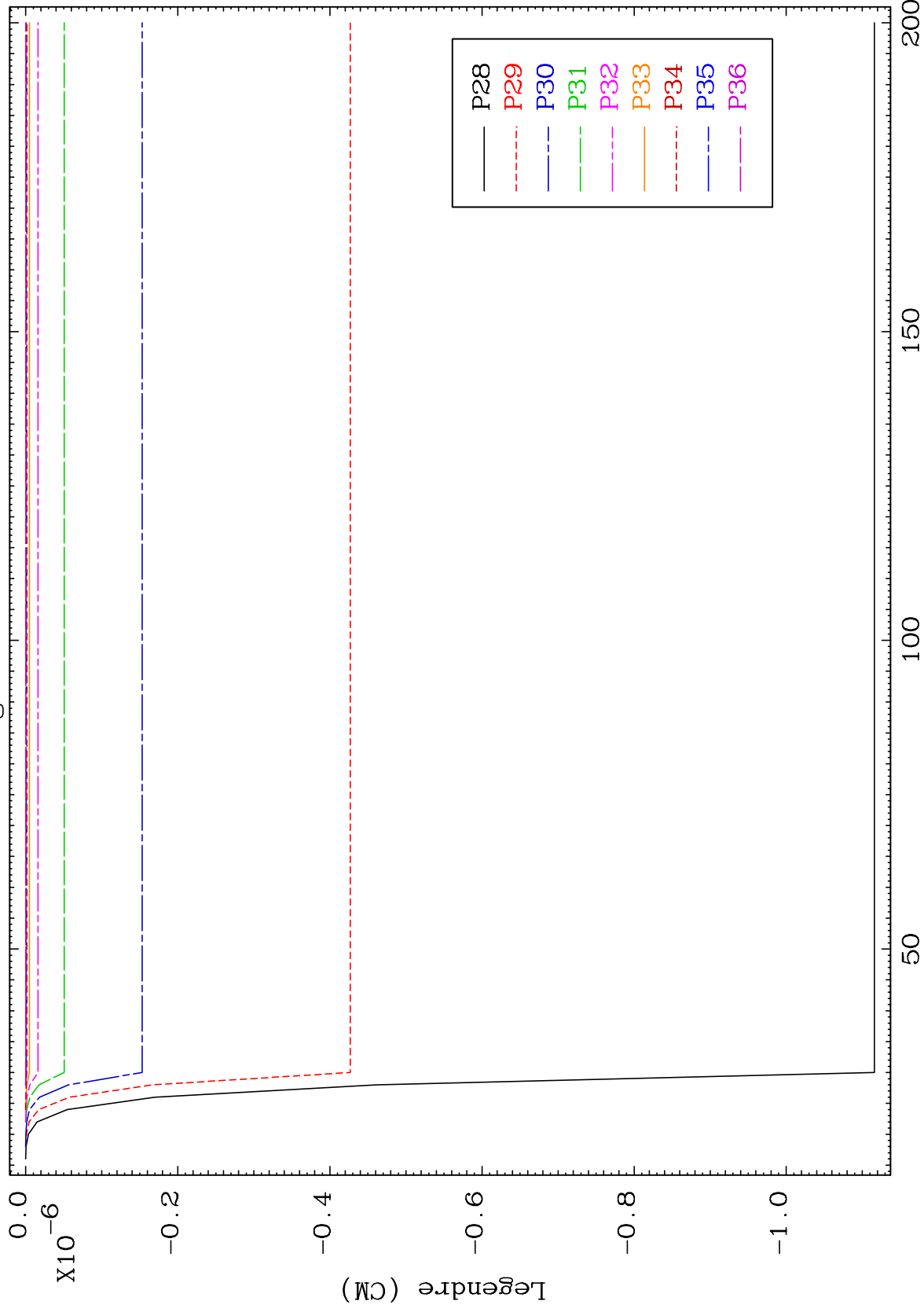




MAT 5340

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

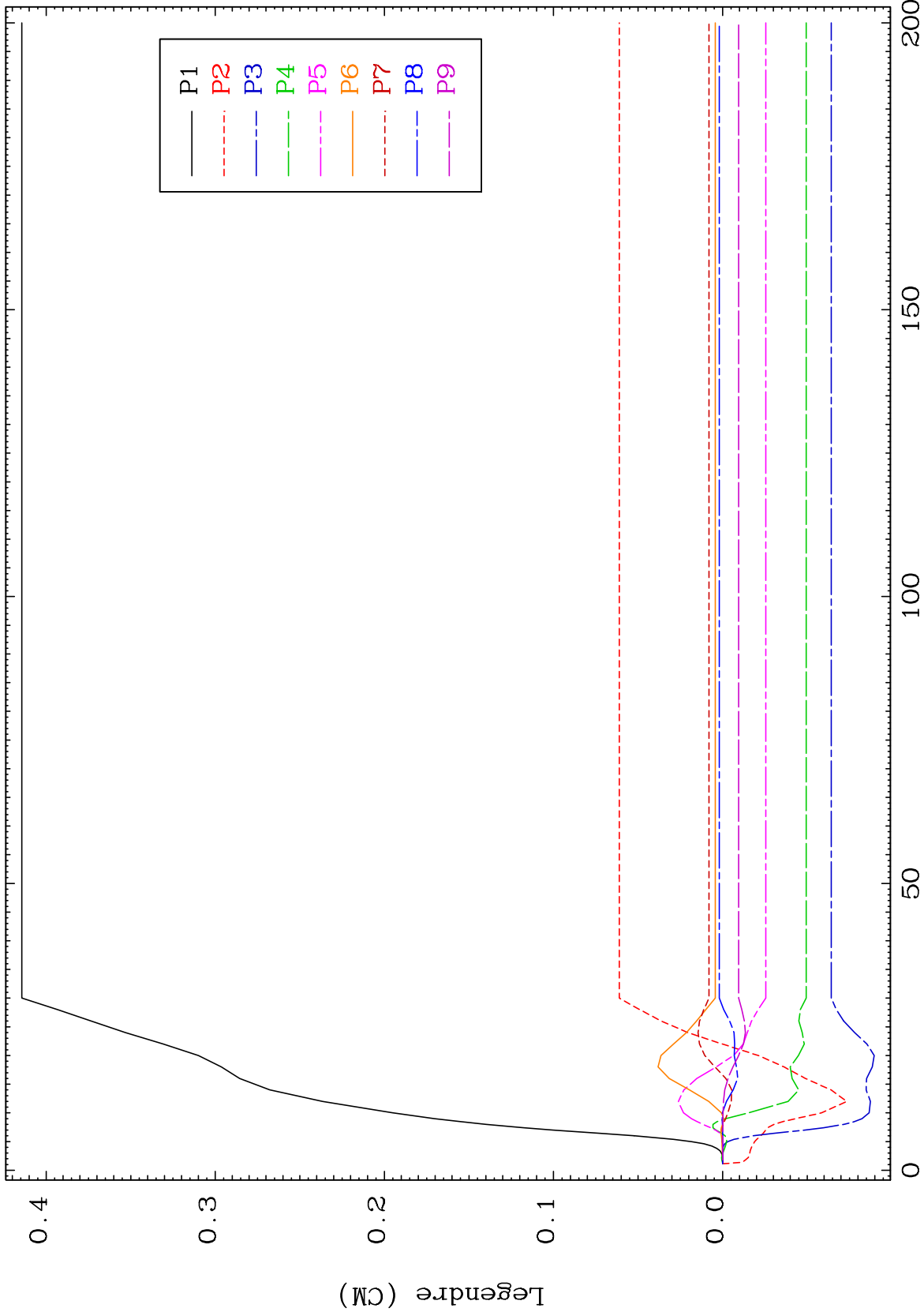
53-I -132



90

Incident Energy (MeV)

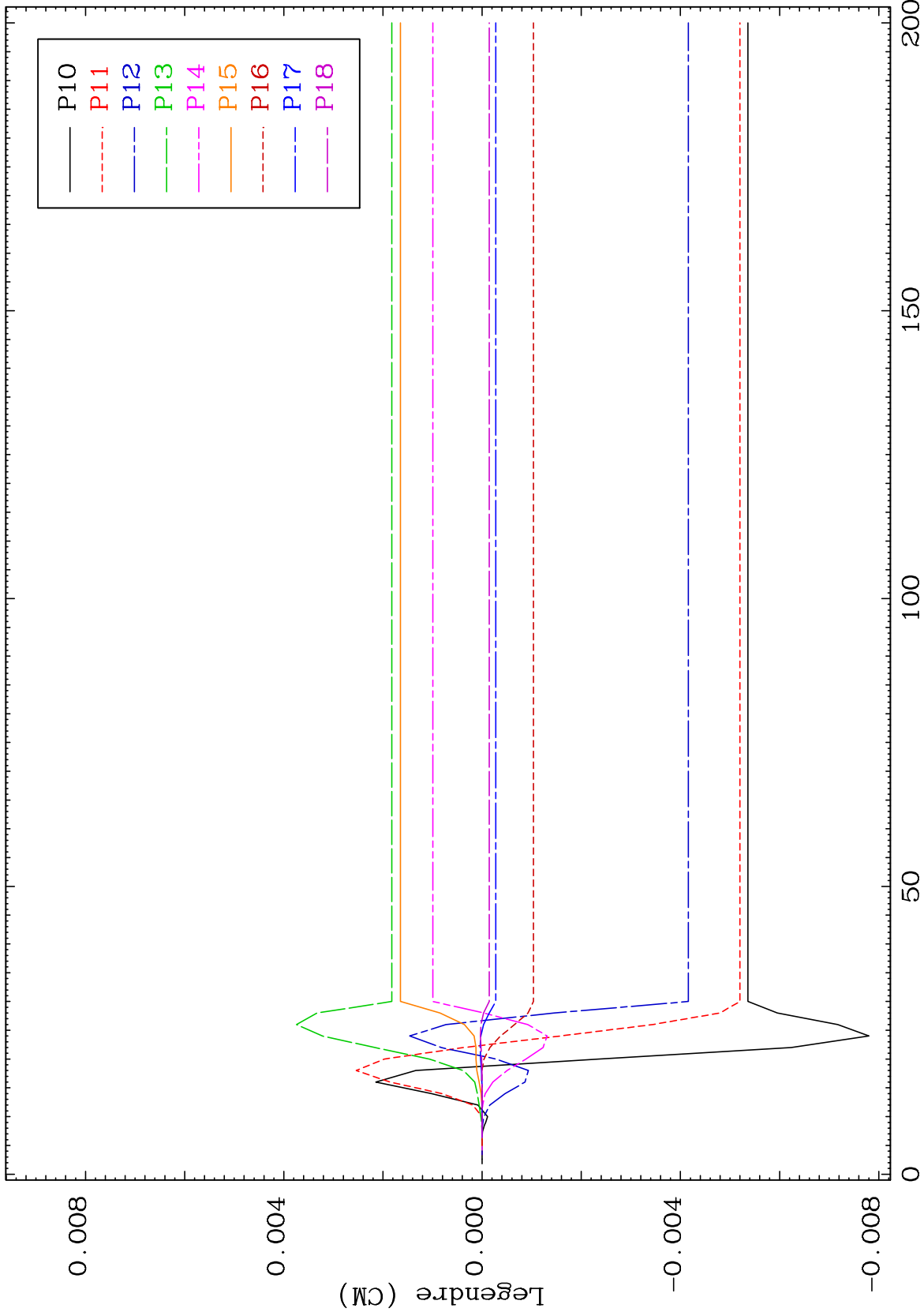
53-I -132



MAT 5340

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

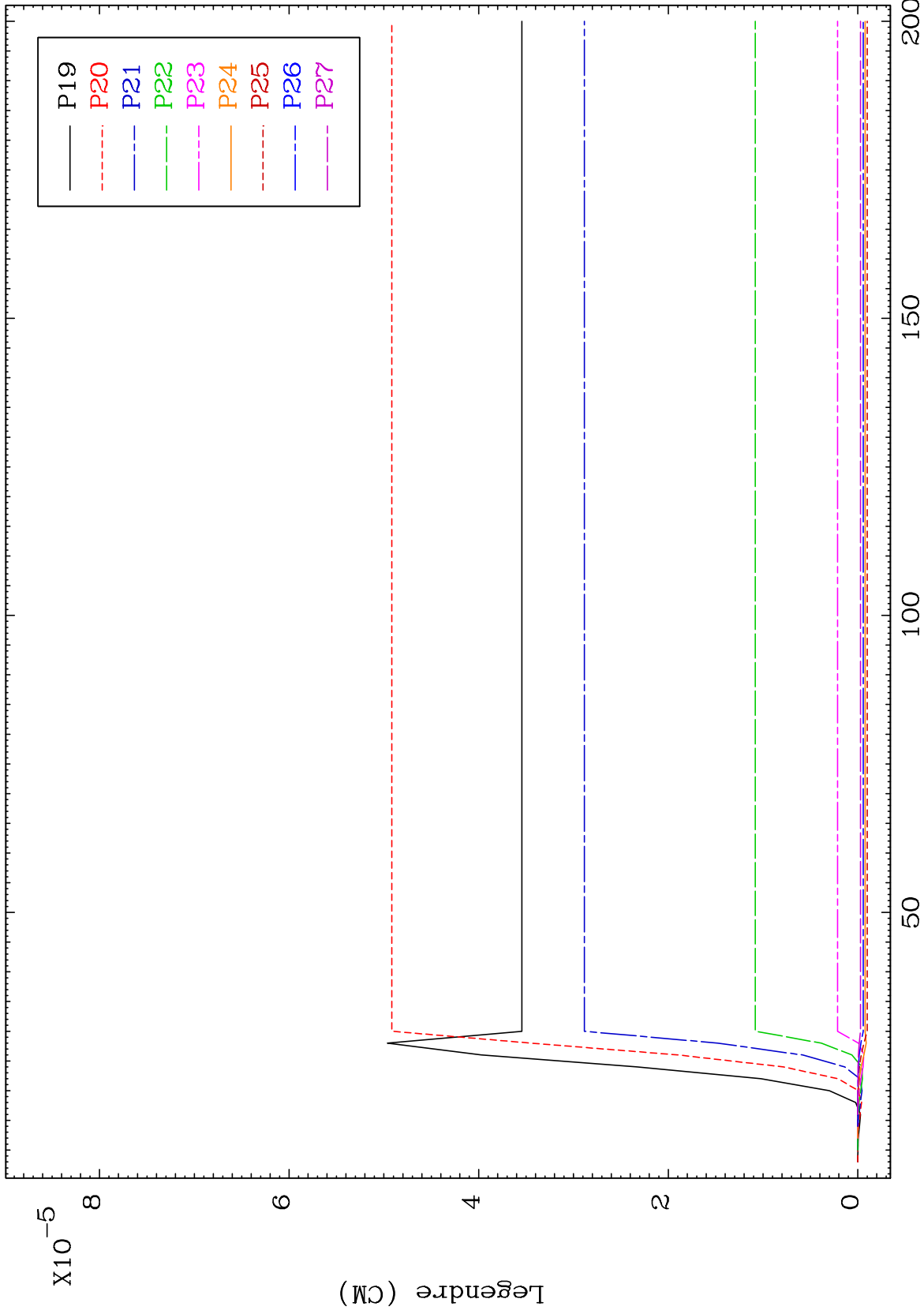
53-I -132



92

Incident Energy (MeV)

53-I -132

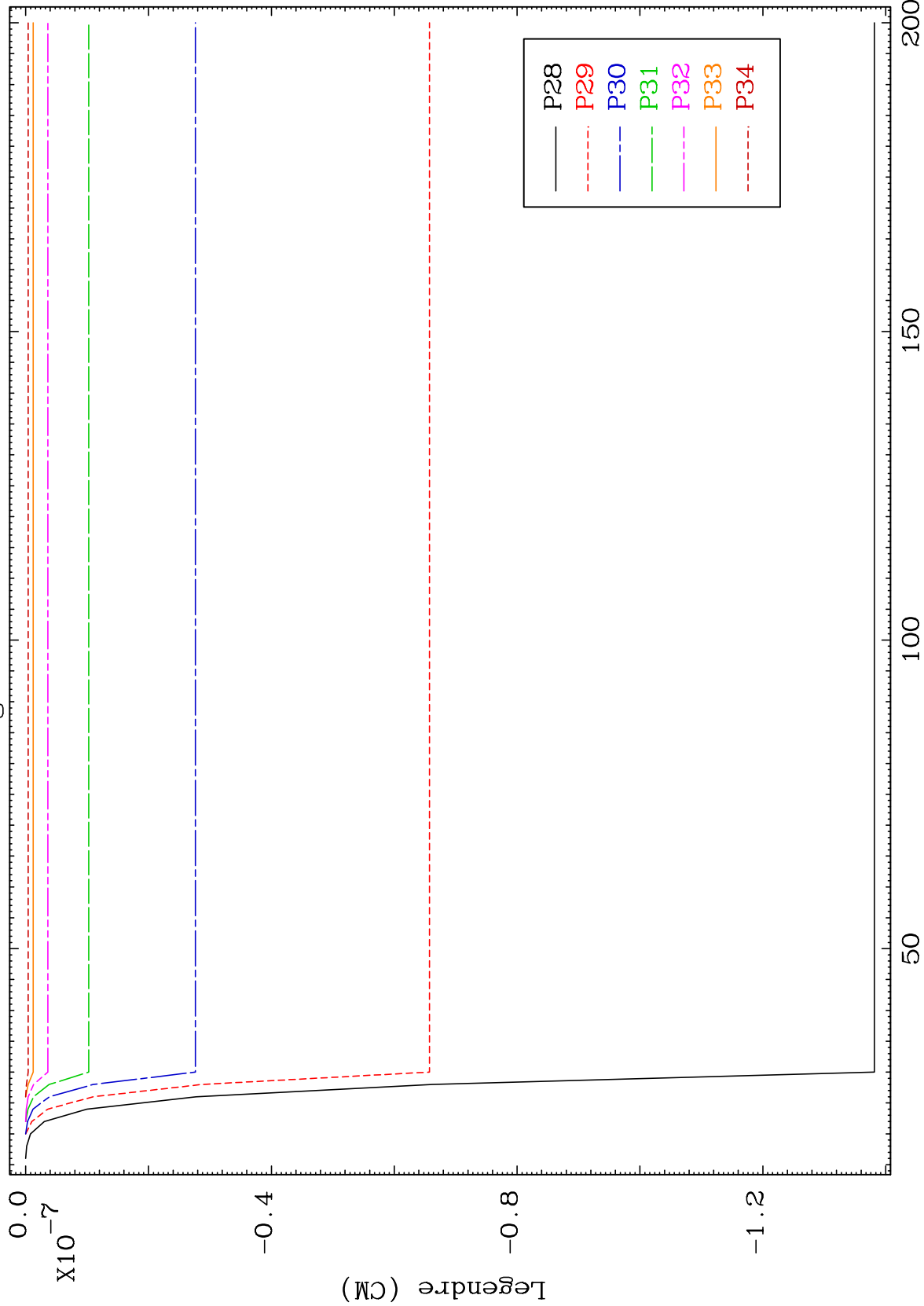


MAT 5340

MT= 72 (n,n') Level

53-I -132

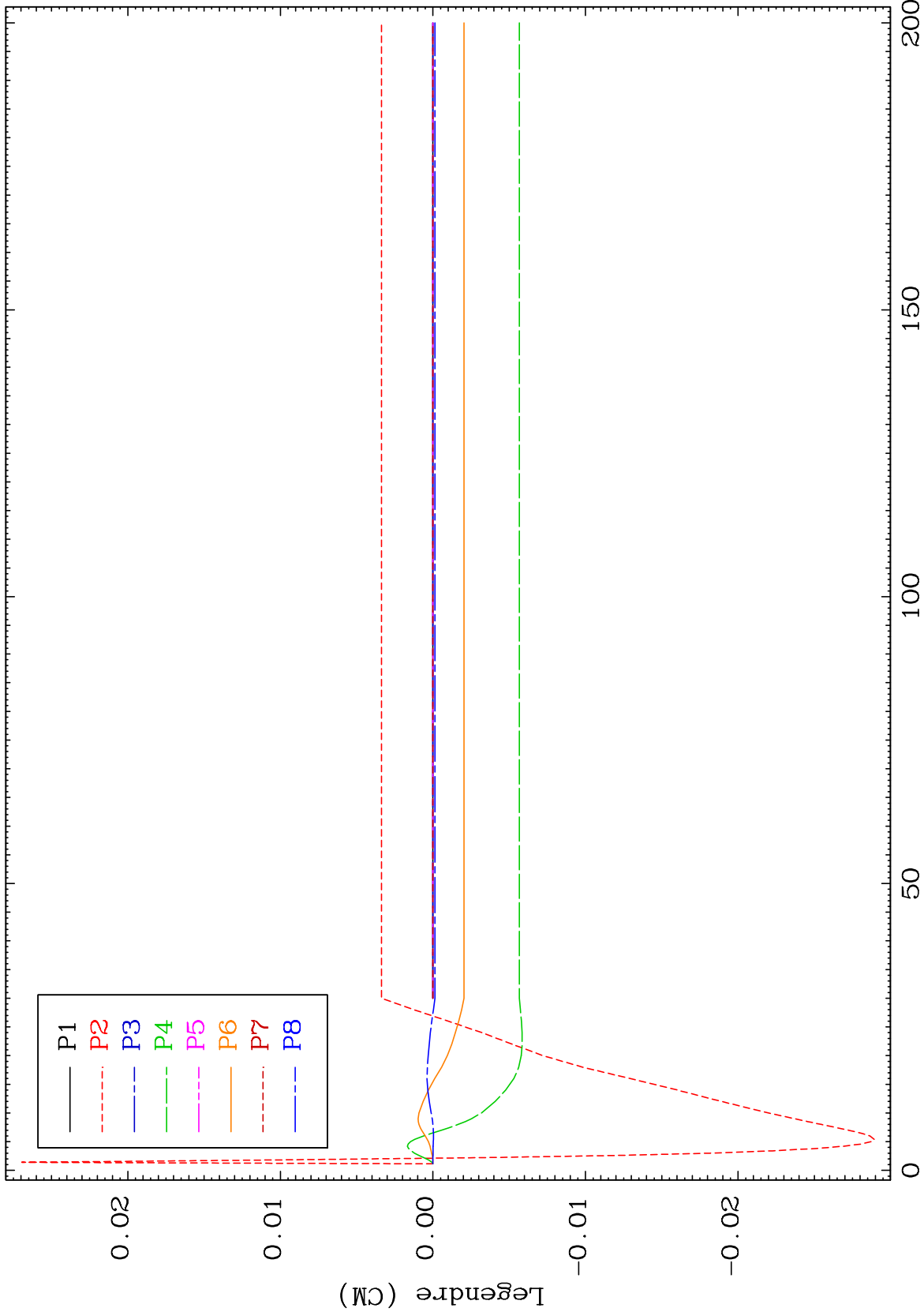
Legendre Coefficients



MAT 5340

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

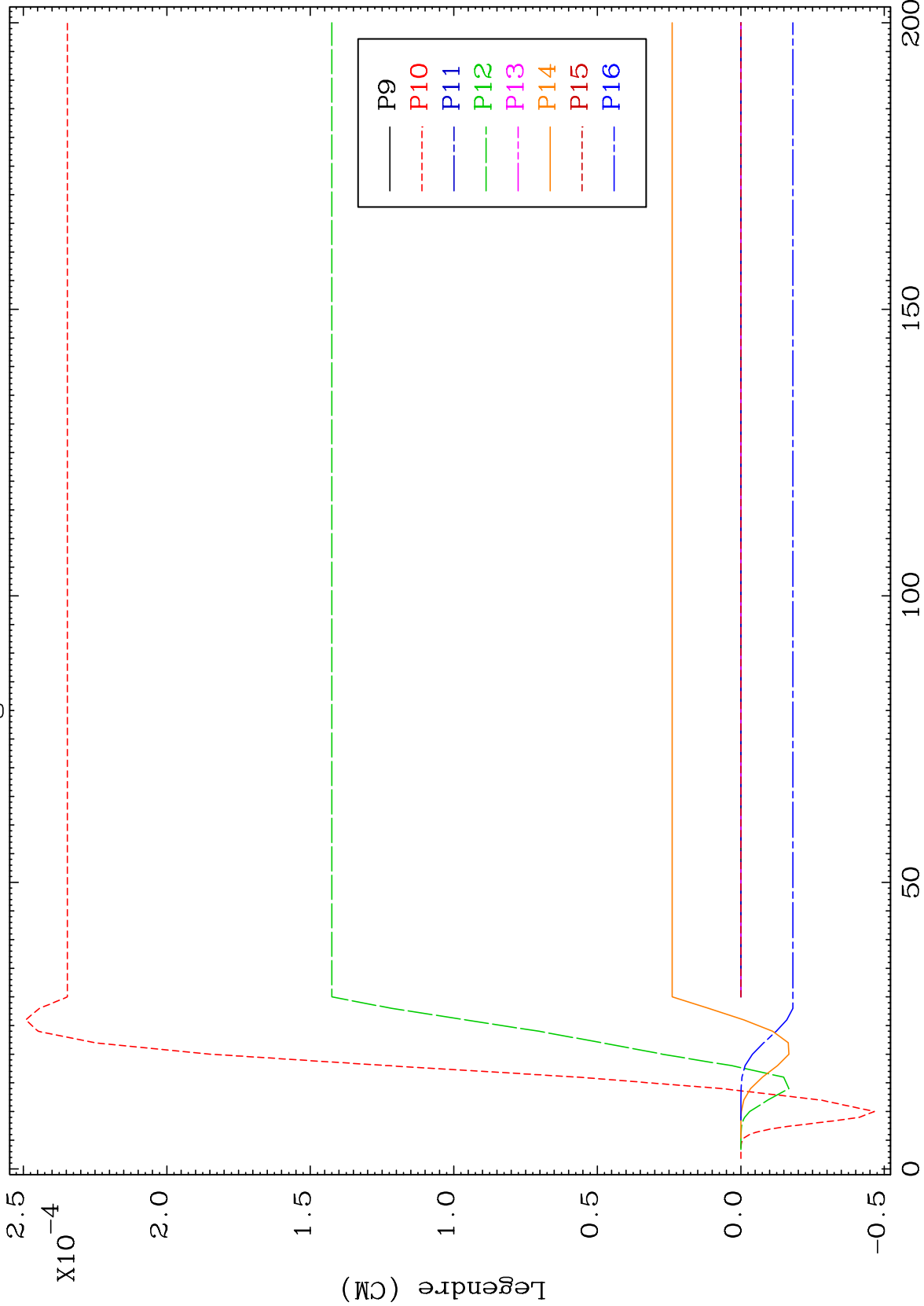
53-I -132



95

Incident Energy (MeV)

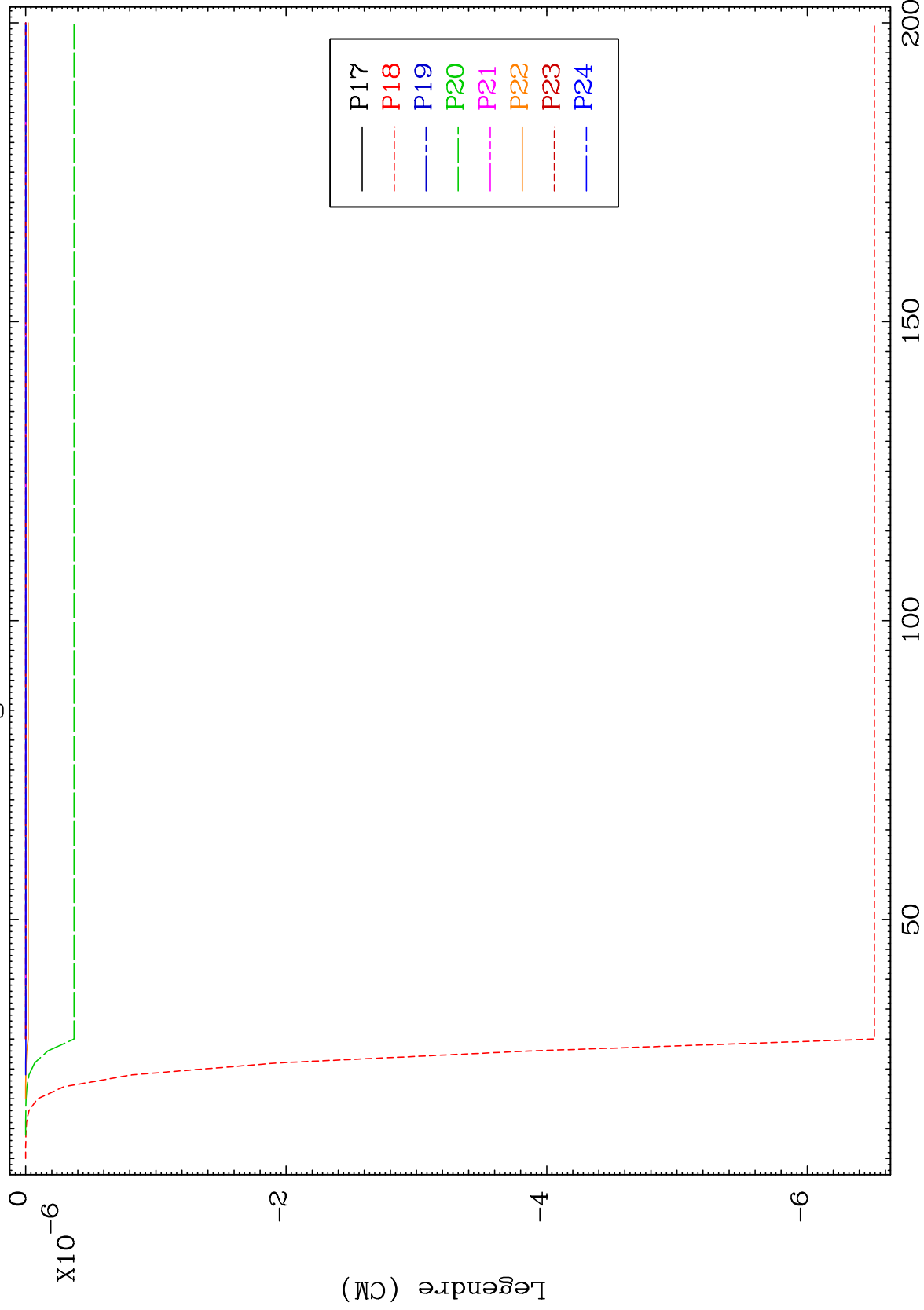
53-I -132



MAT 5340

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

53-I -132



97

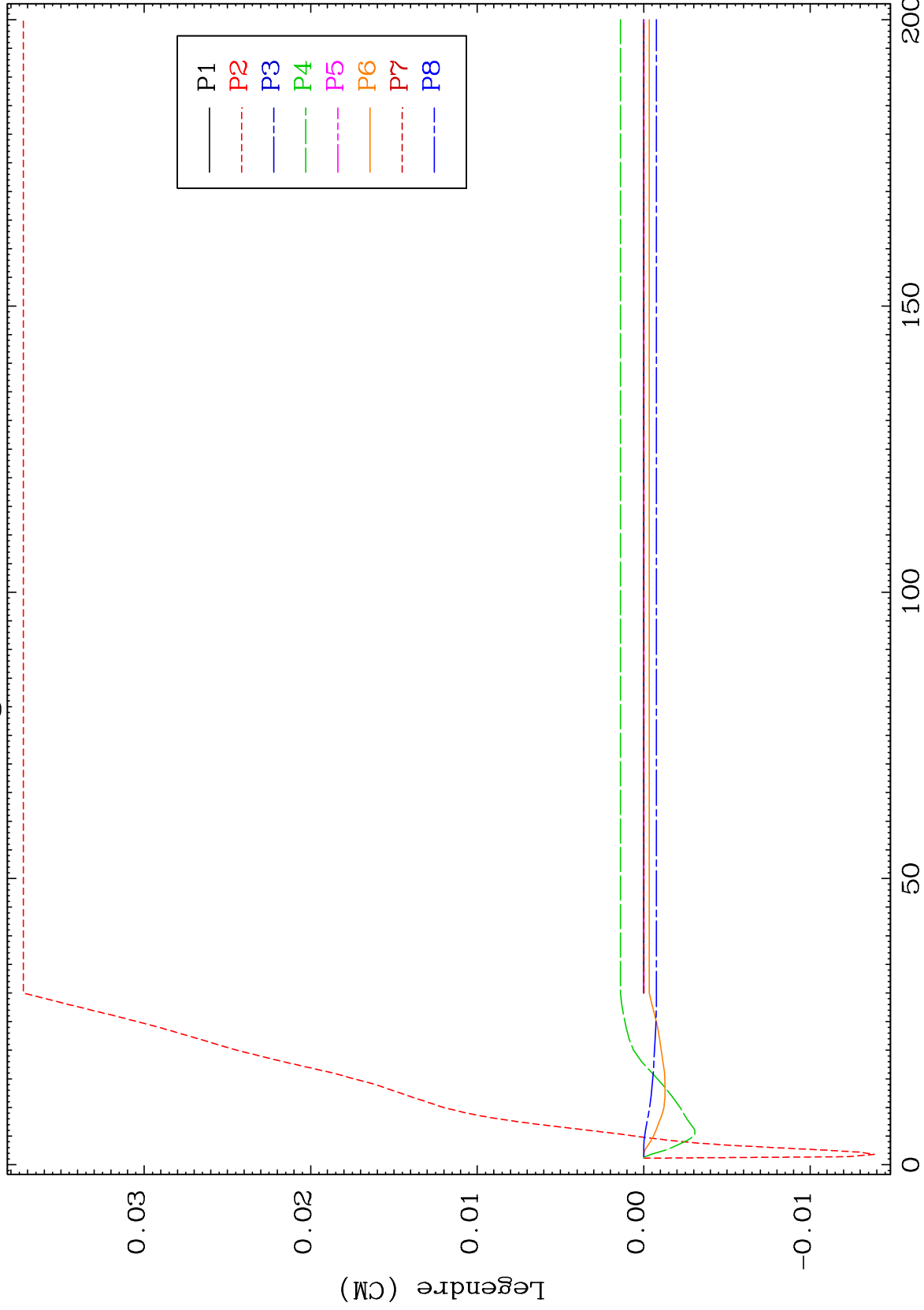
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



98

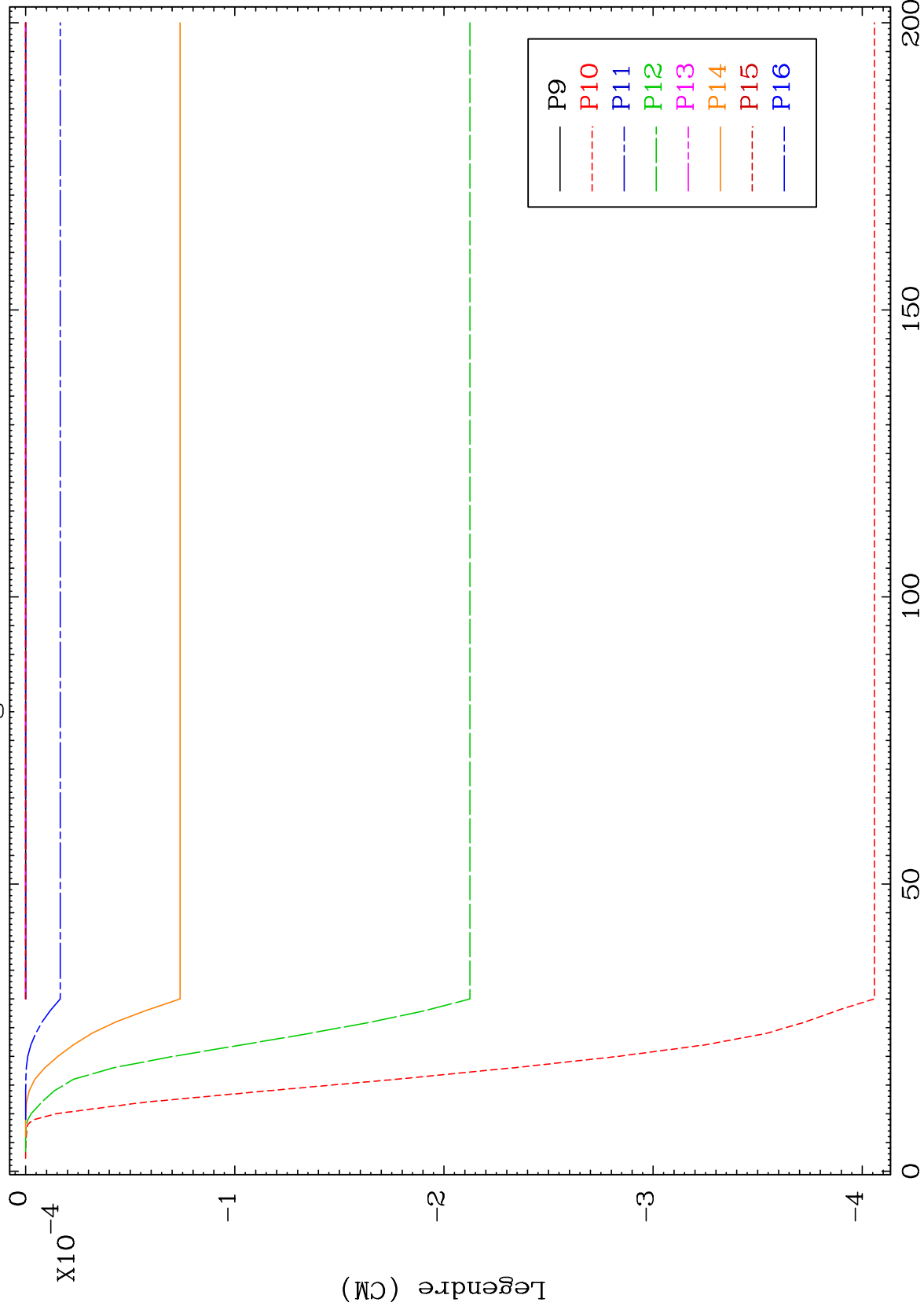
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



99

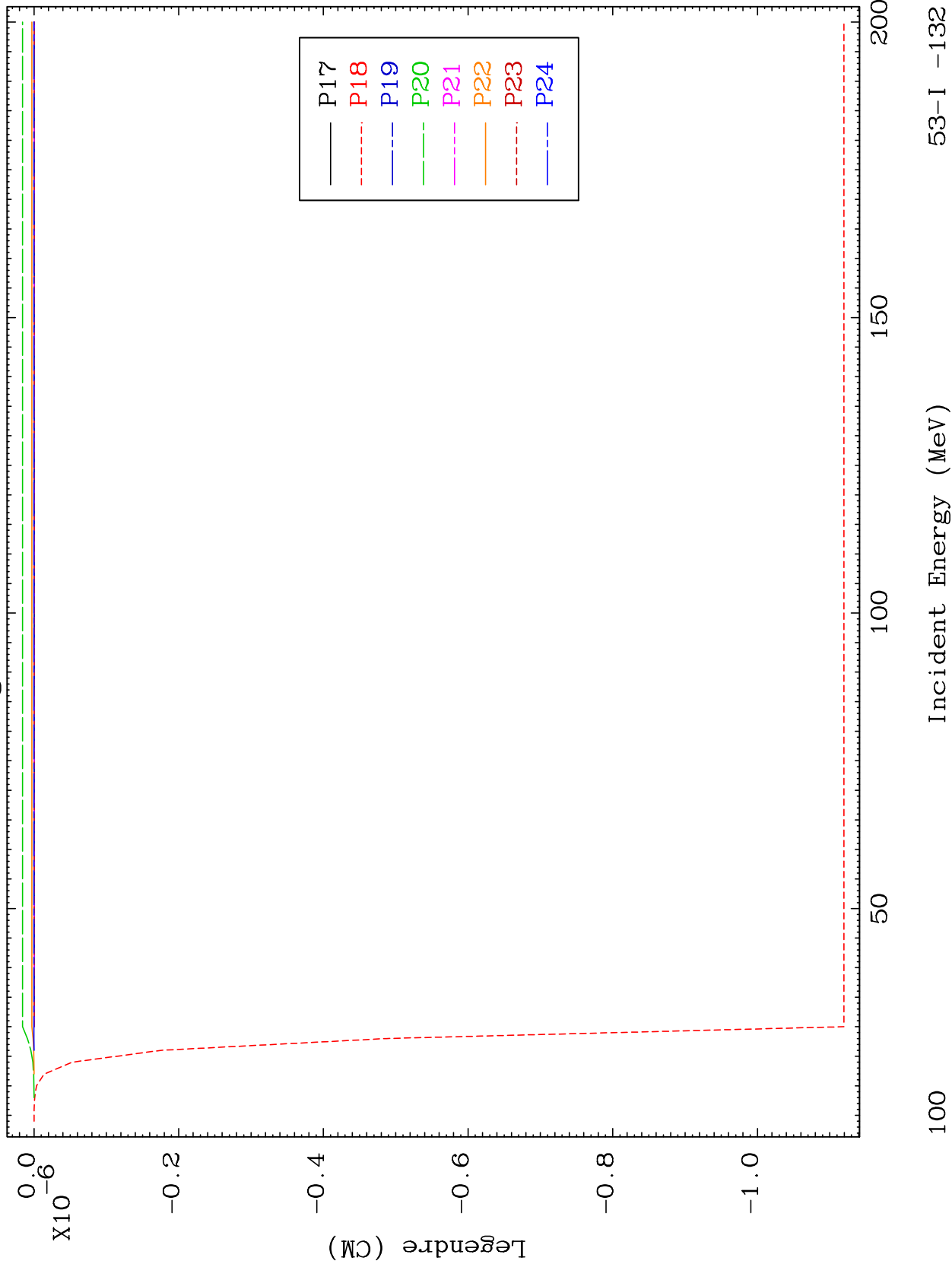
Incident Energy (MeV)

53-I -132

MAT 5340

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

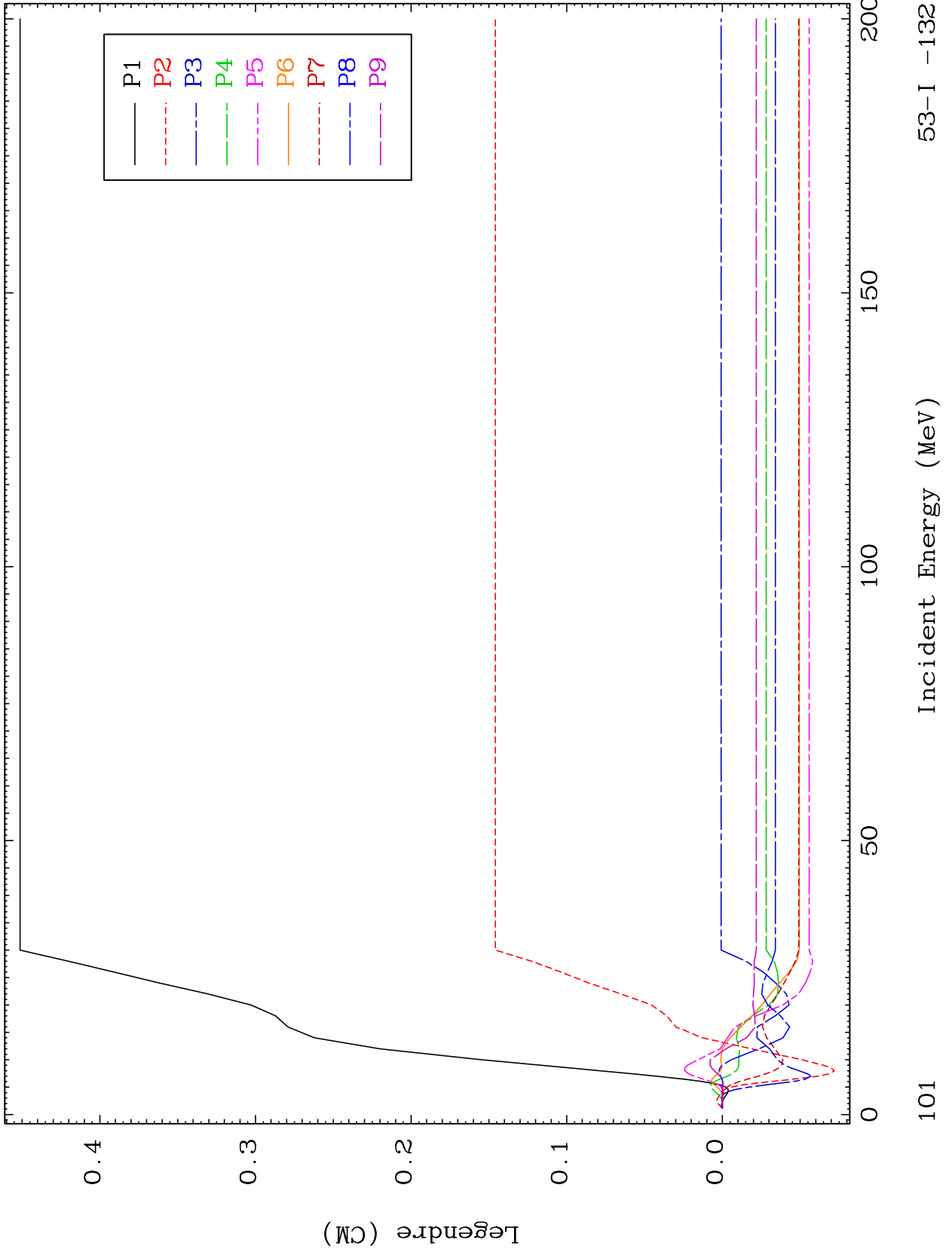
53-I -132



MAT 5340

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

53-I -132



53-I -132

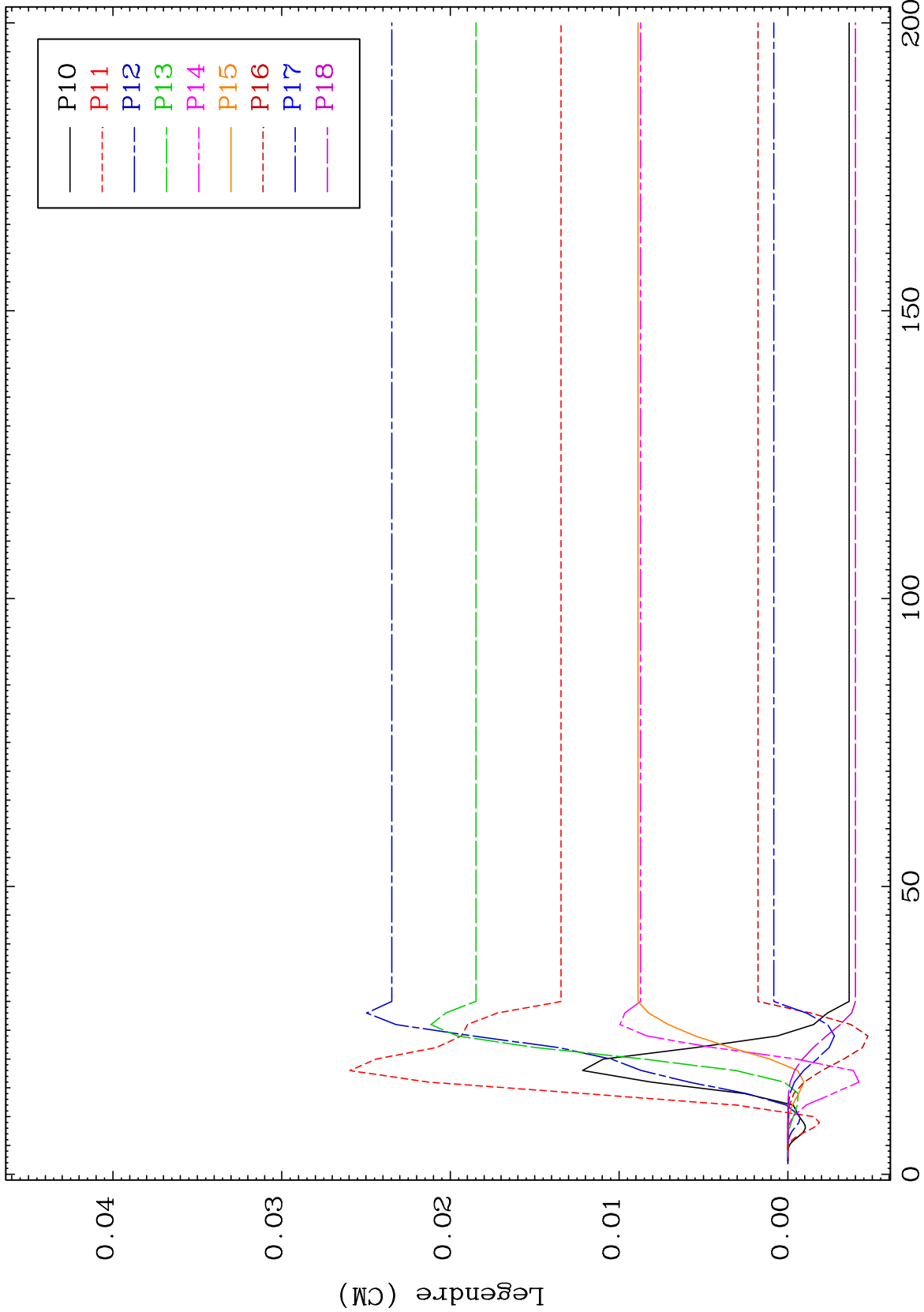
Incident Energy (MeV)

101

MAT 5340

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

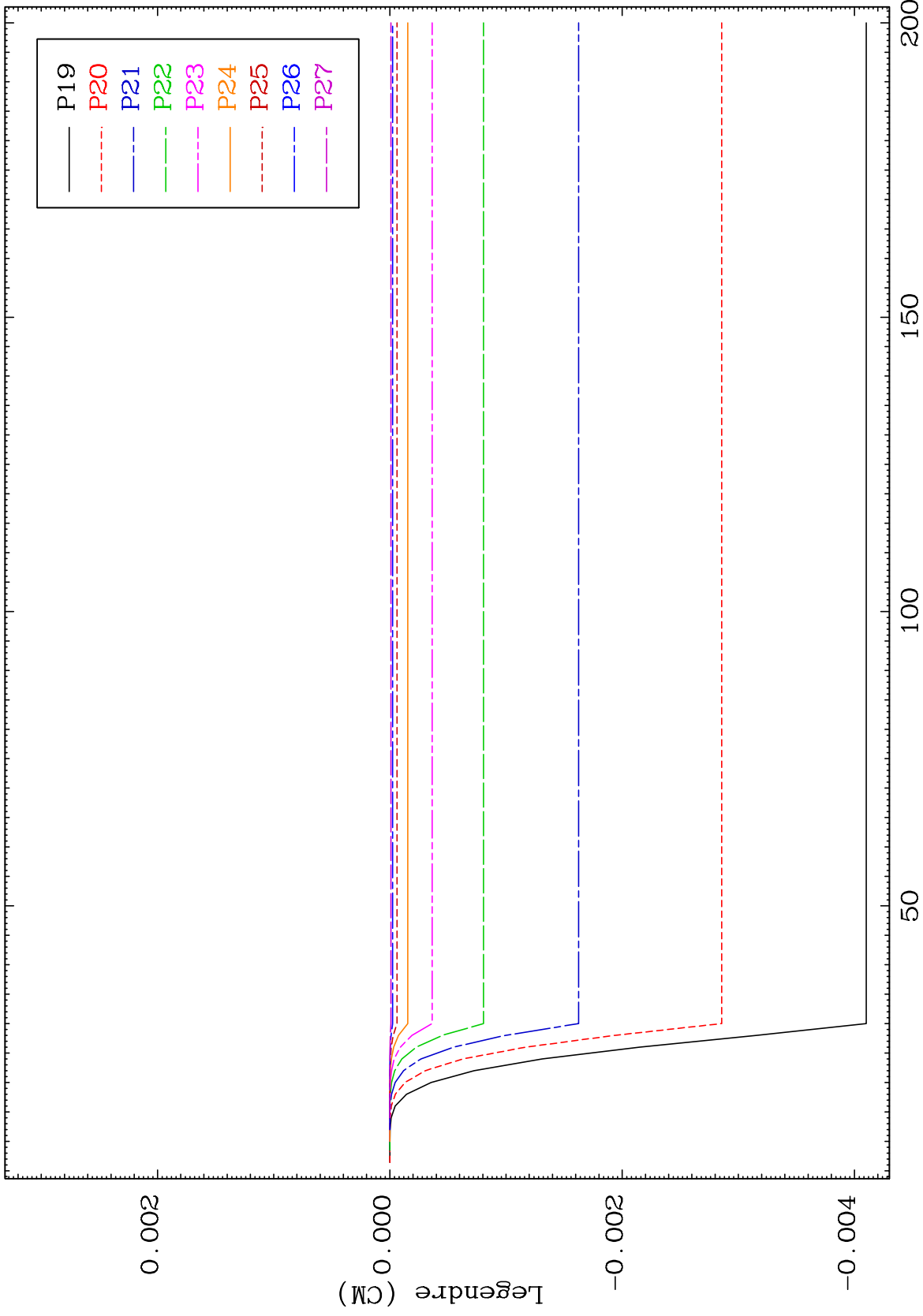
53-I -132



102

Incident Energy (MeV)

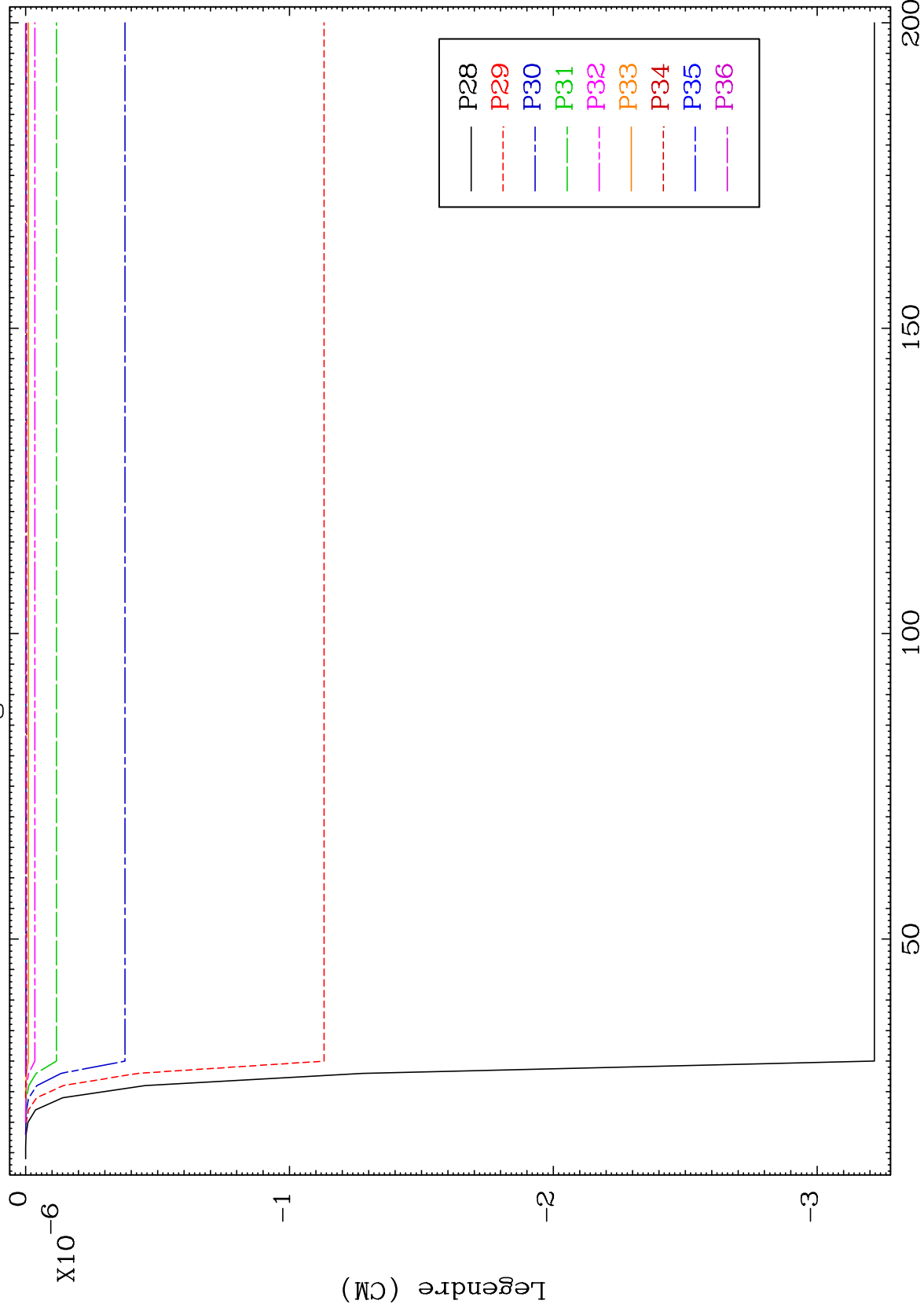
53-I -132



MAT 5340

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

53-I -132



104

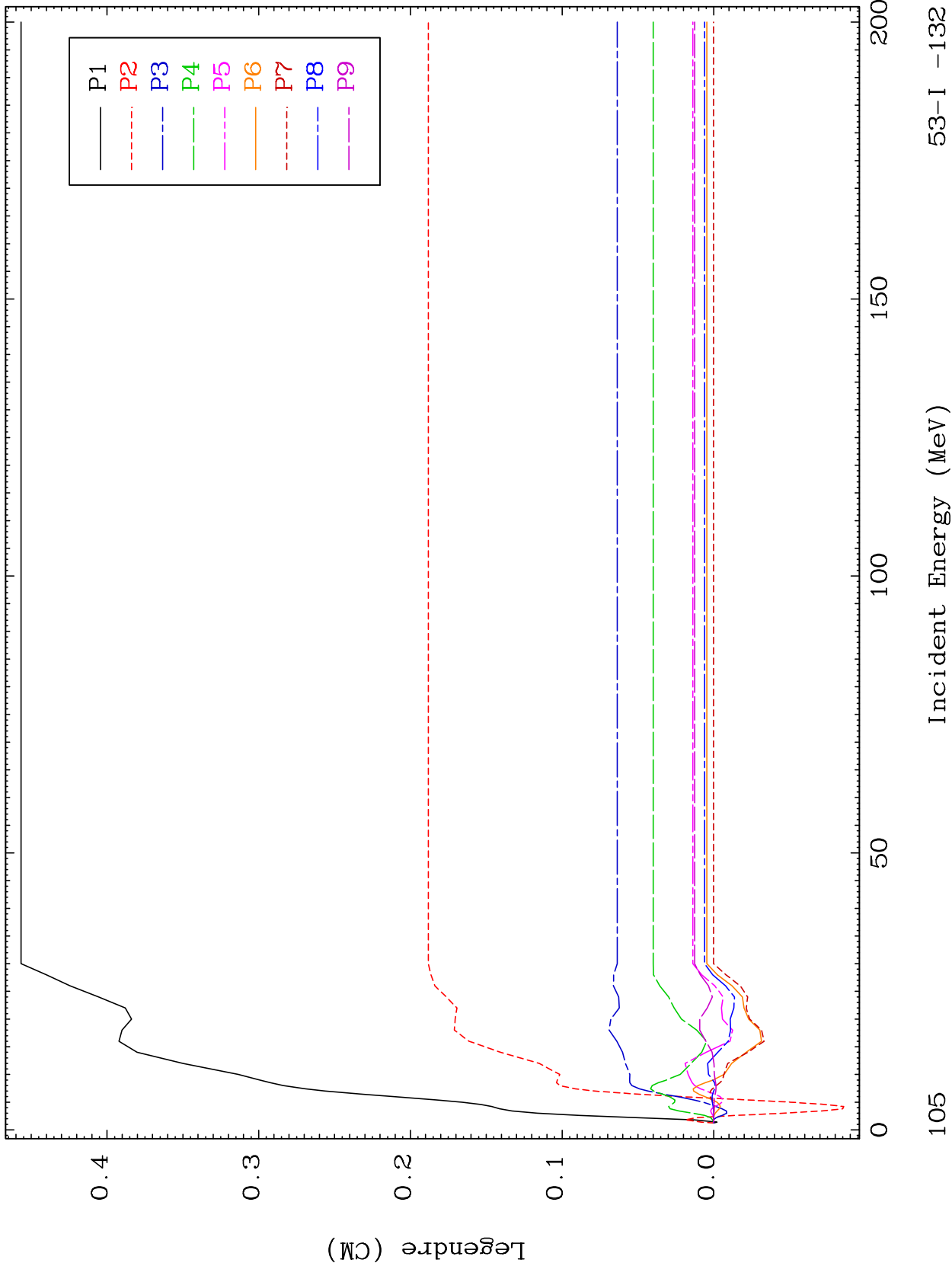
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



53-I -132

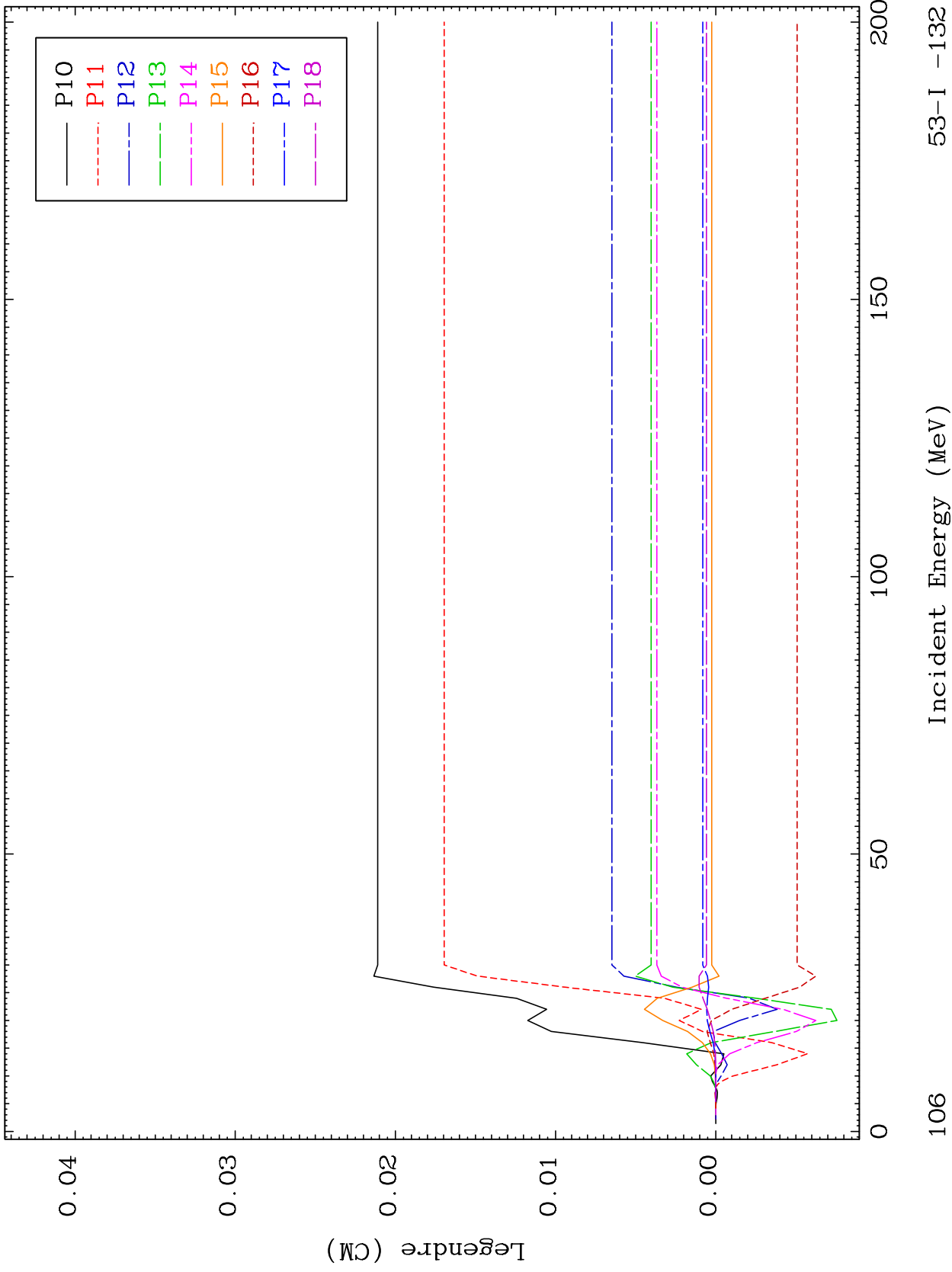
Incident Energy (MeV)

105

MAT 5340

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

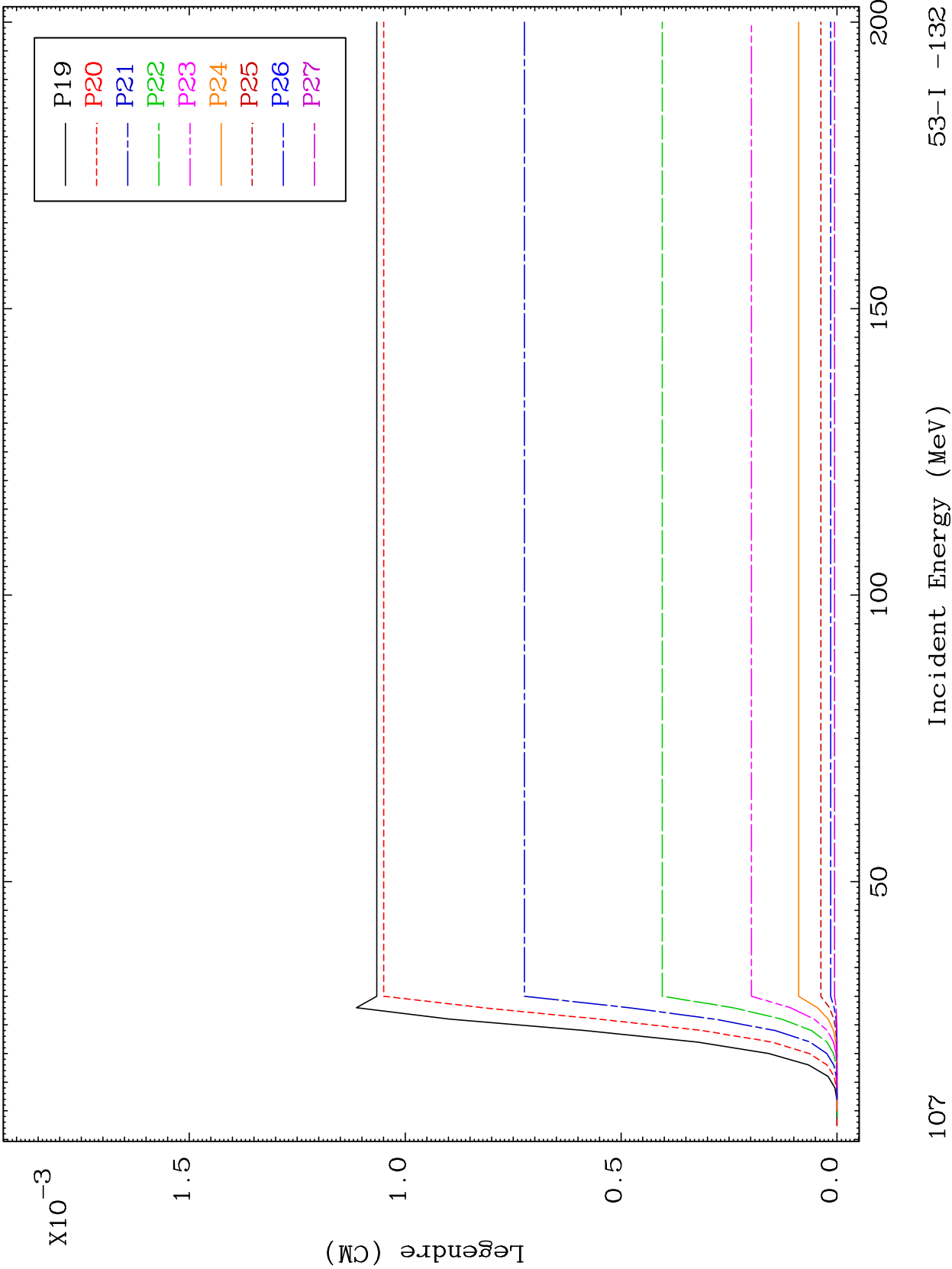
53-I -132



53-I -132

Incident Energy (MeV)

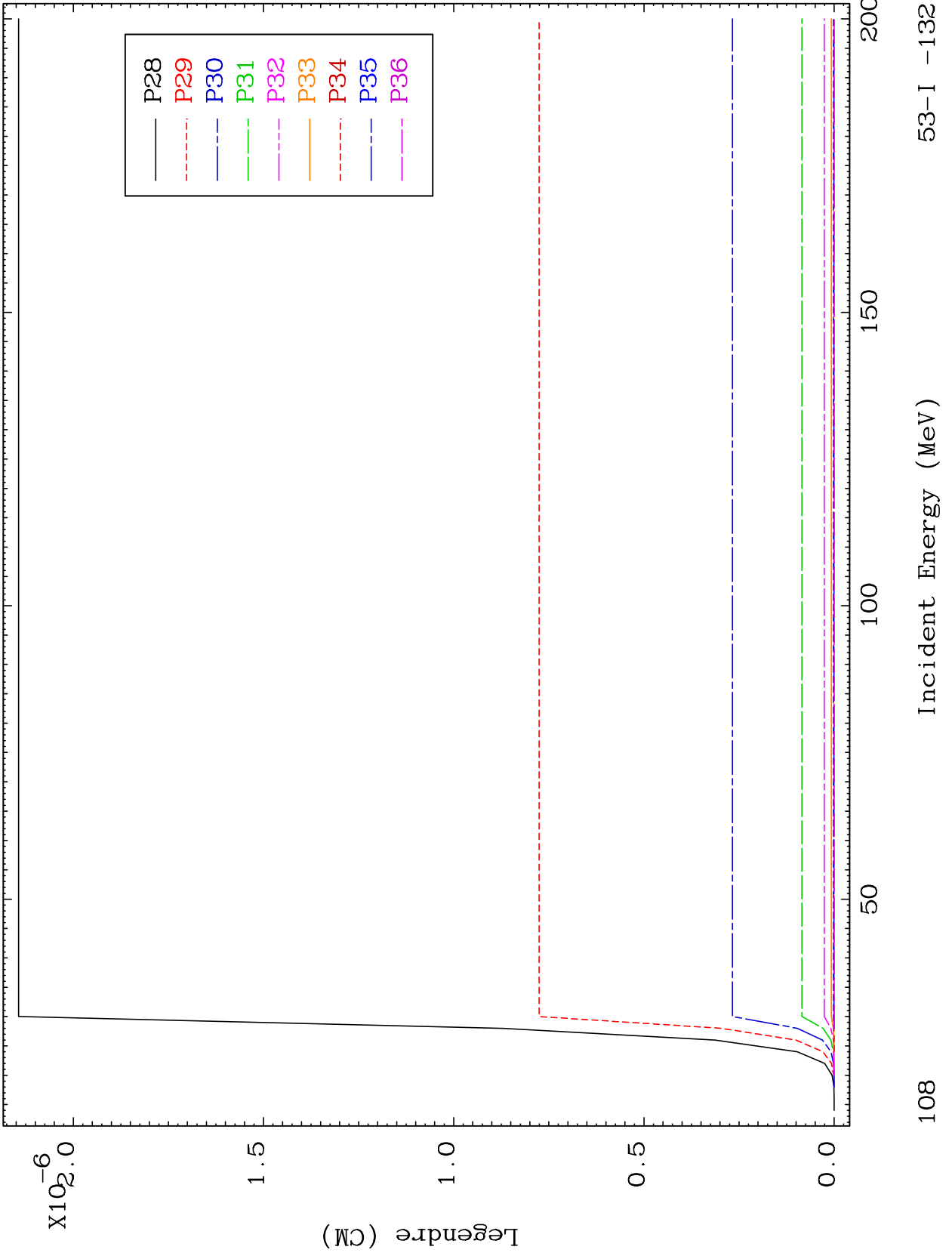
106



MAT 5340

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

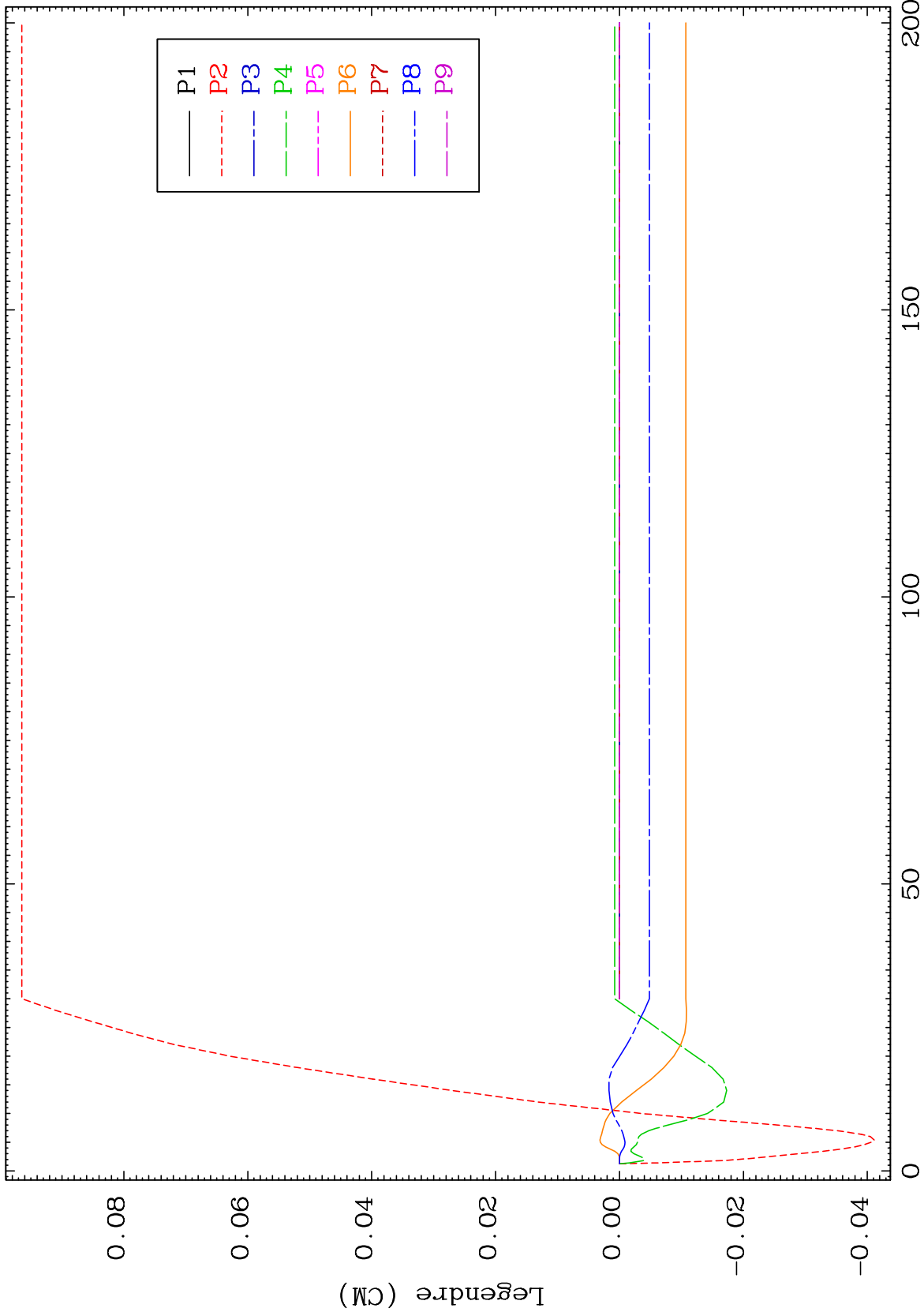
53-I -132



MAT 5340

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

53-I -132



109

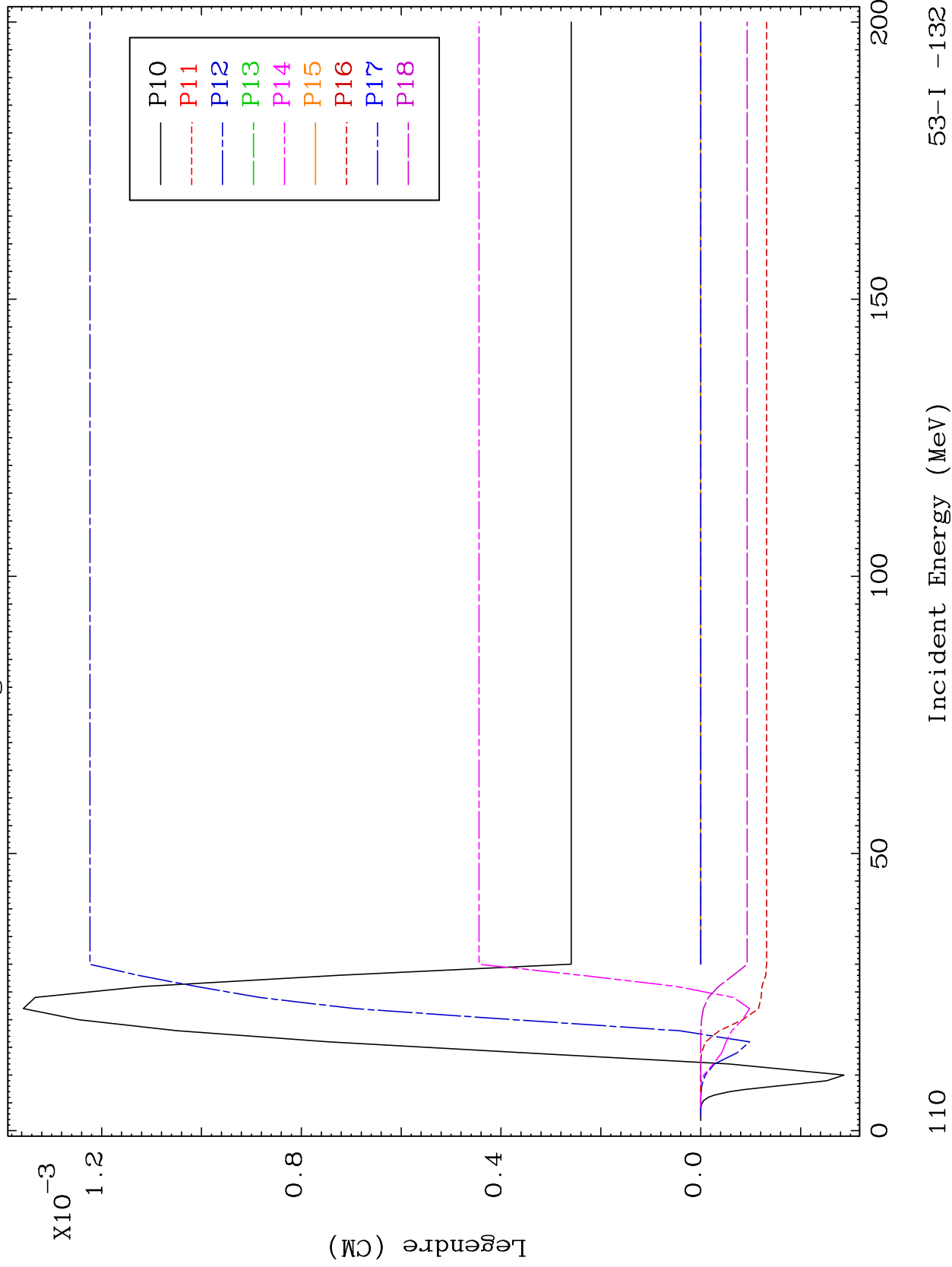
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



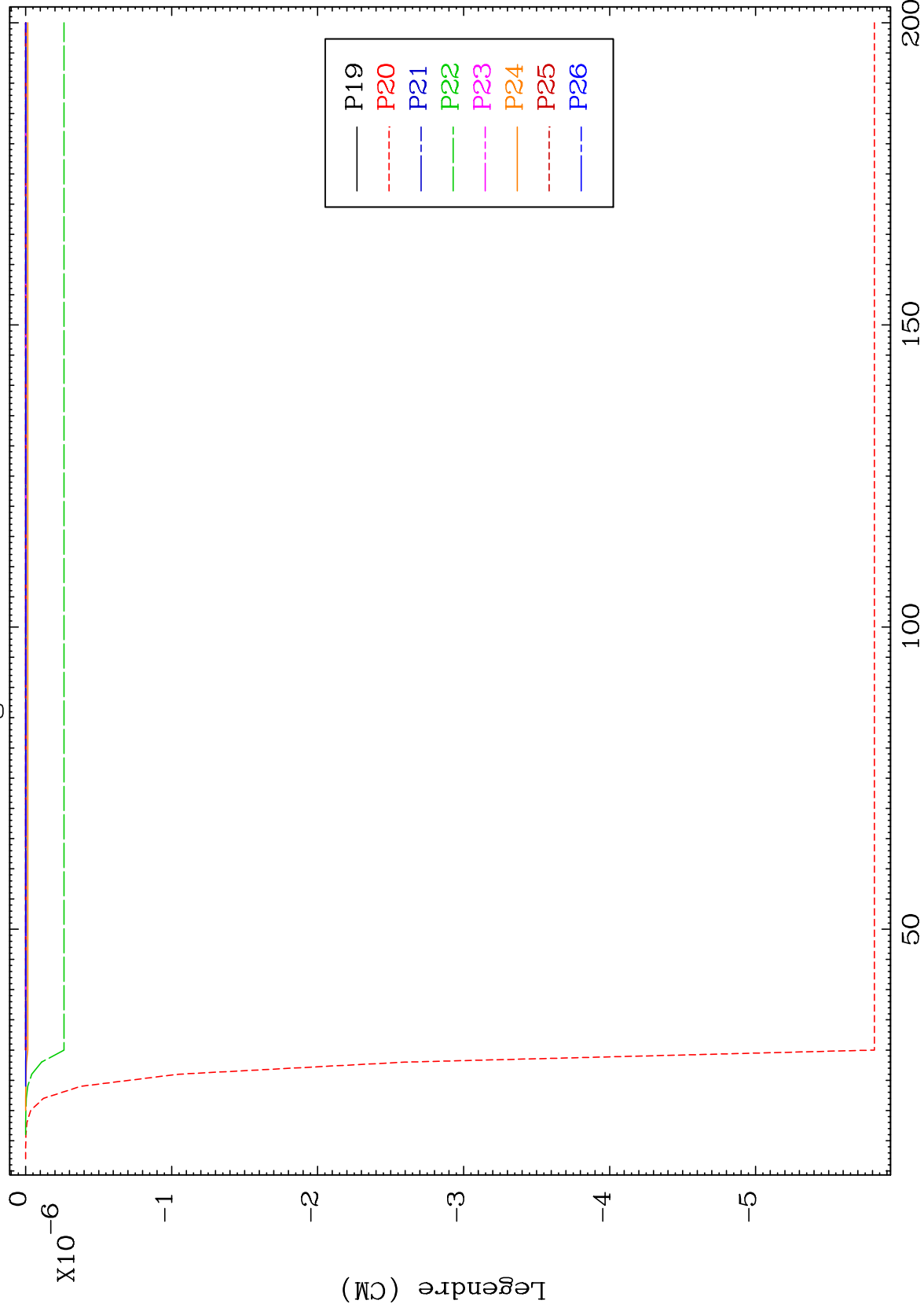
110

53-I -132

MAT 5340

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

53-I -132



111

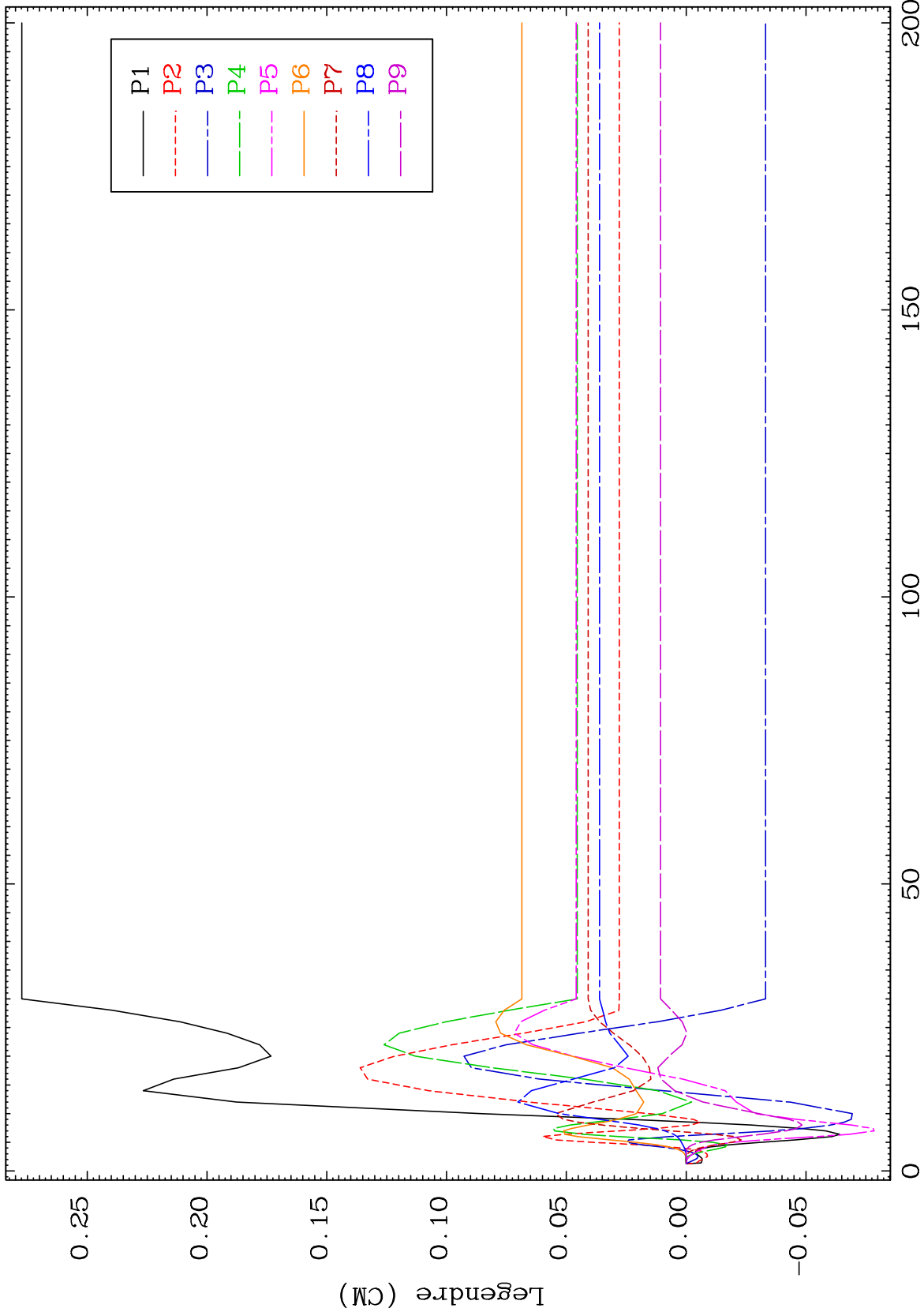
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



112

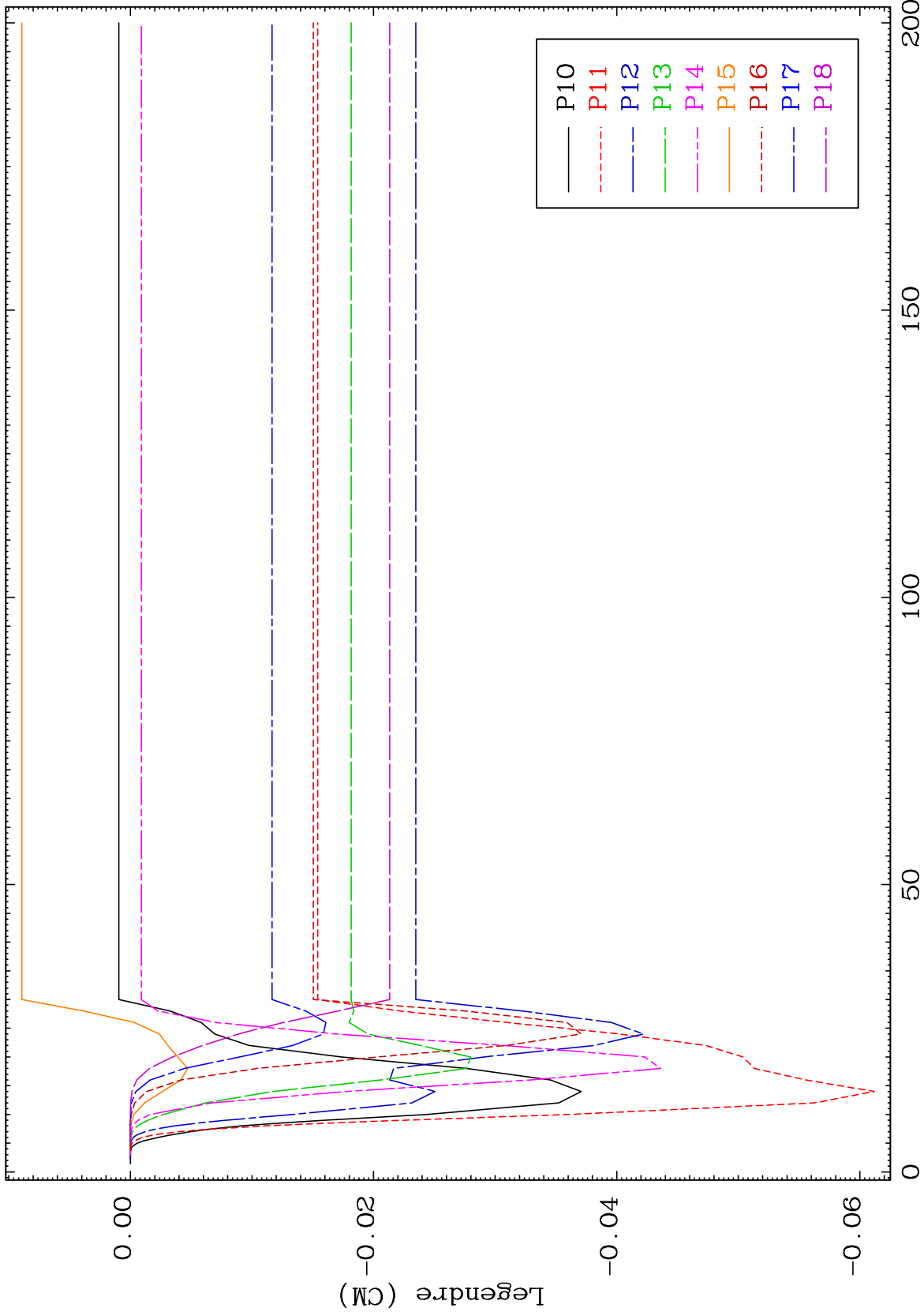
Incident Energy (MeV)

53-I -132

MAT 5340

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

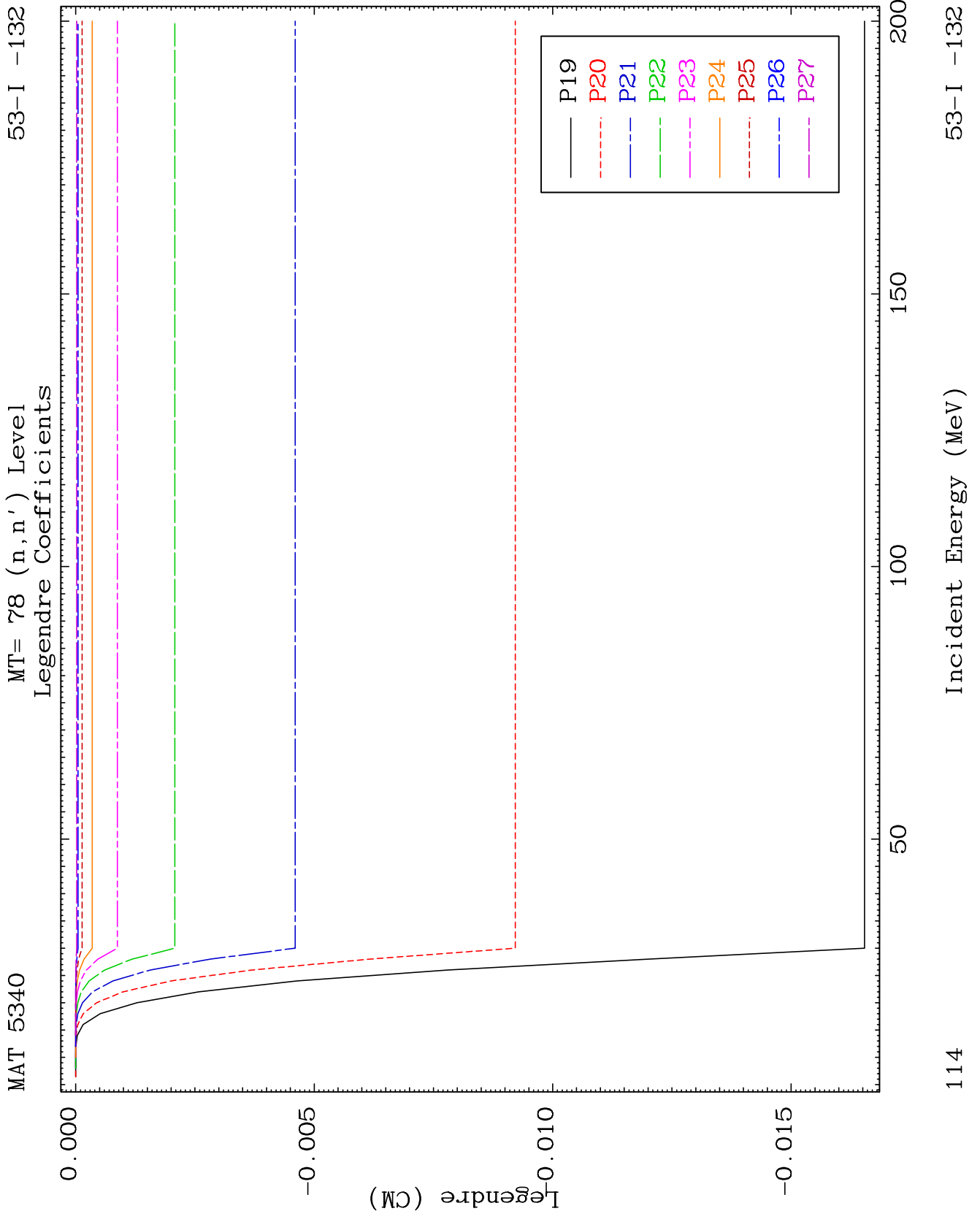
53-I -132



113

Incident Energy (MeV)

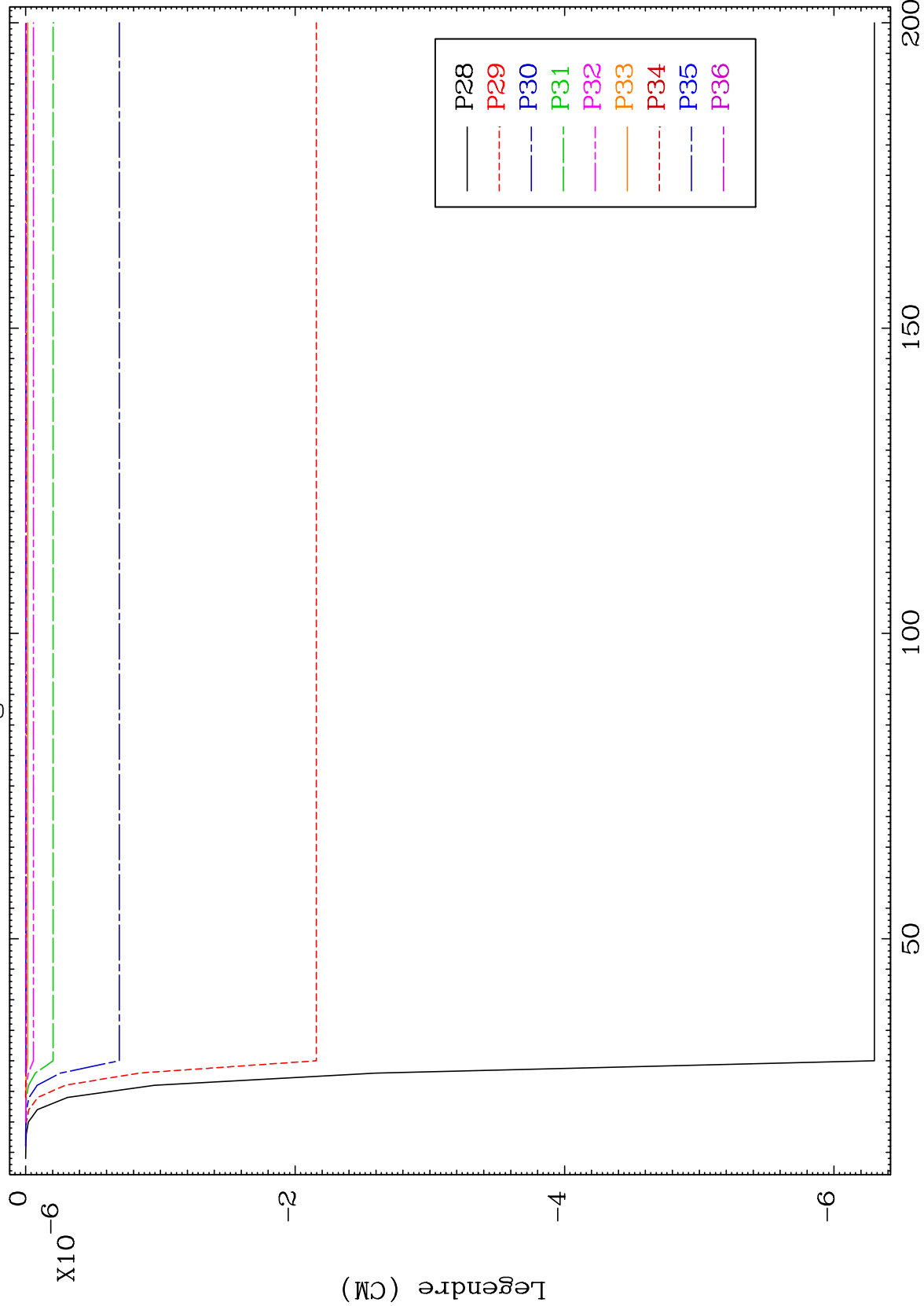
53-I -132



MAT 5340

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

53-I -132



115

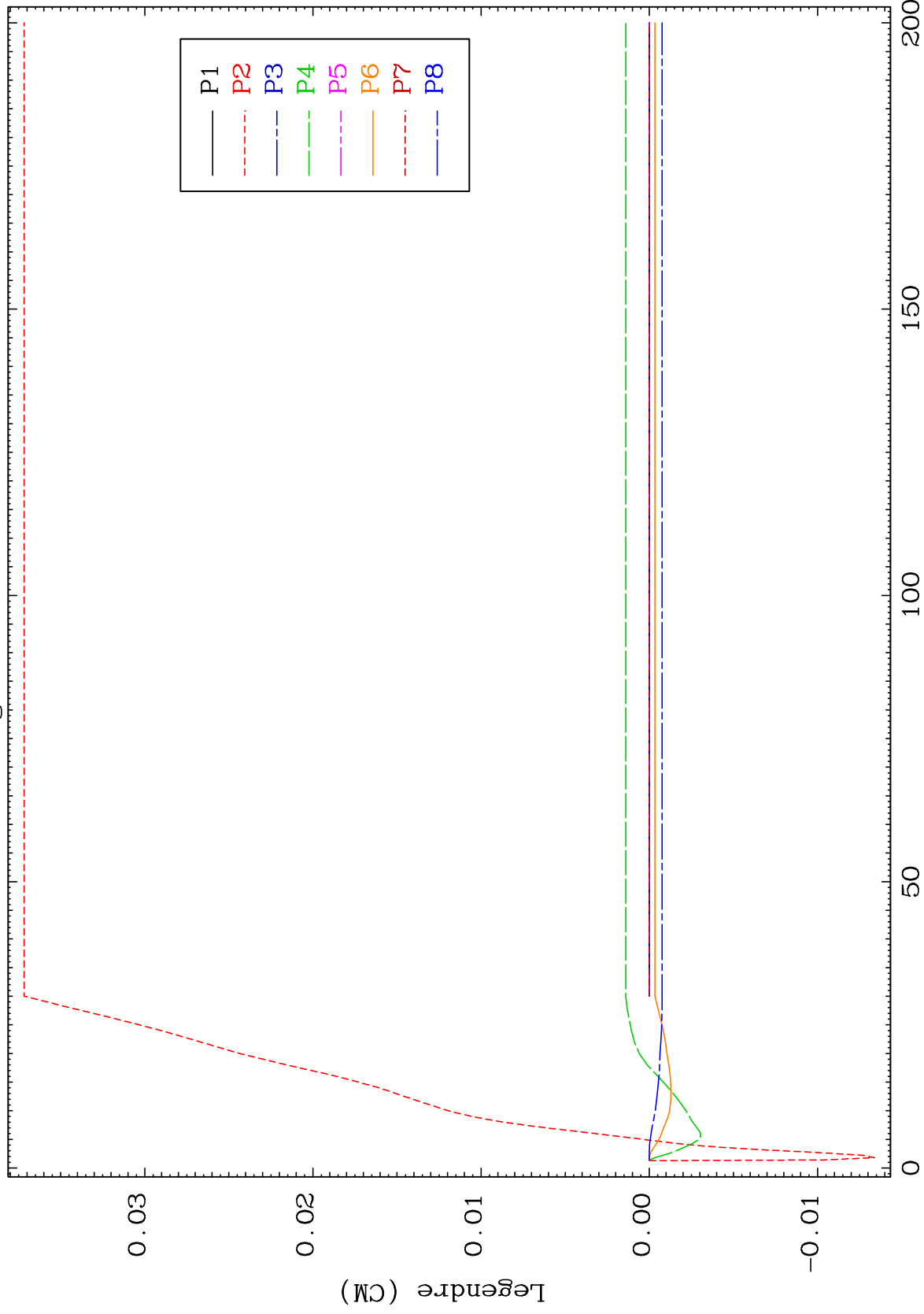
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



116

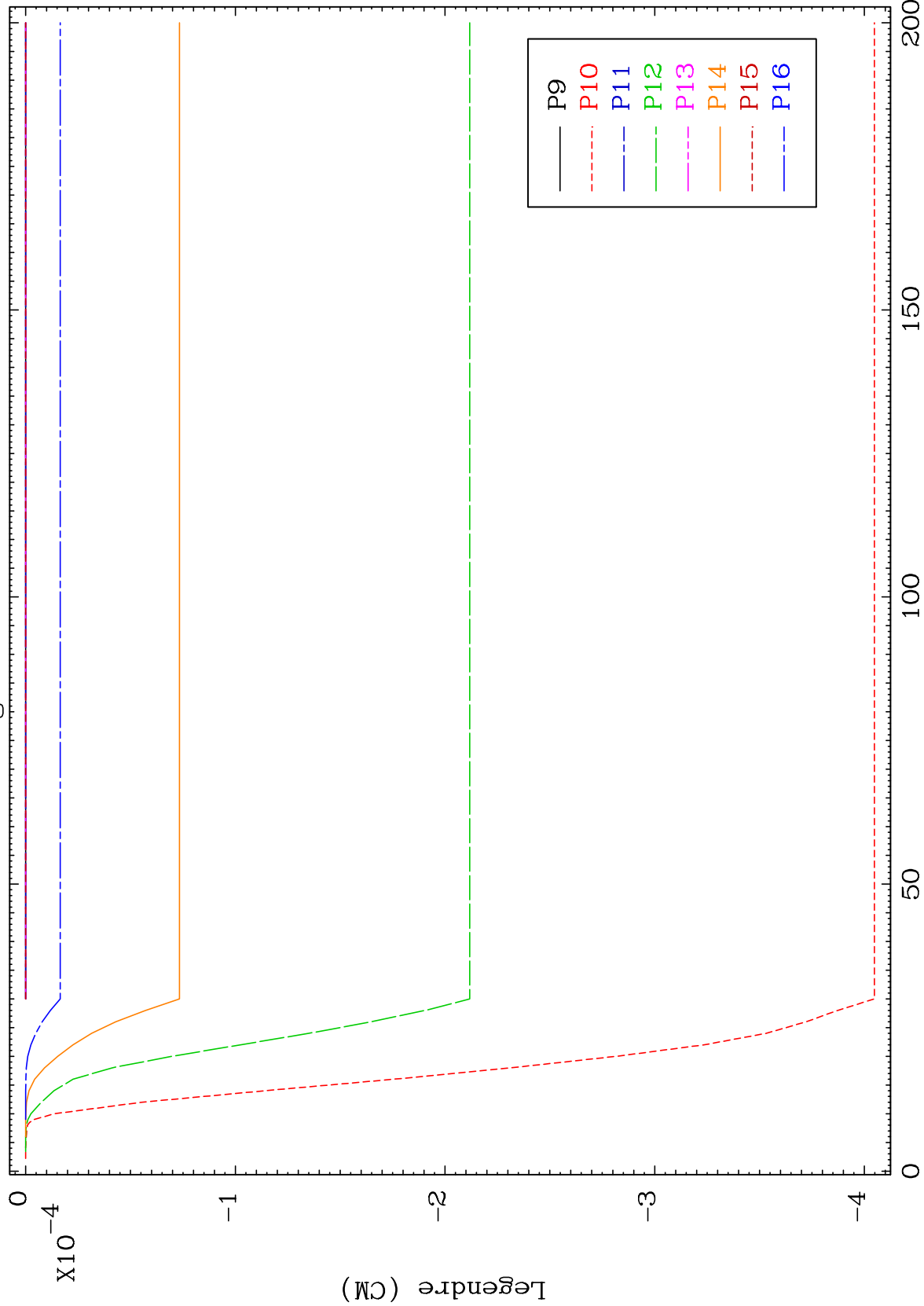
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



117

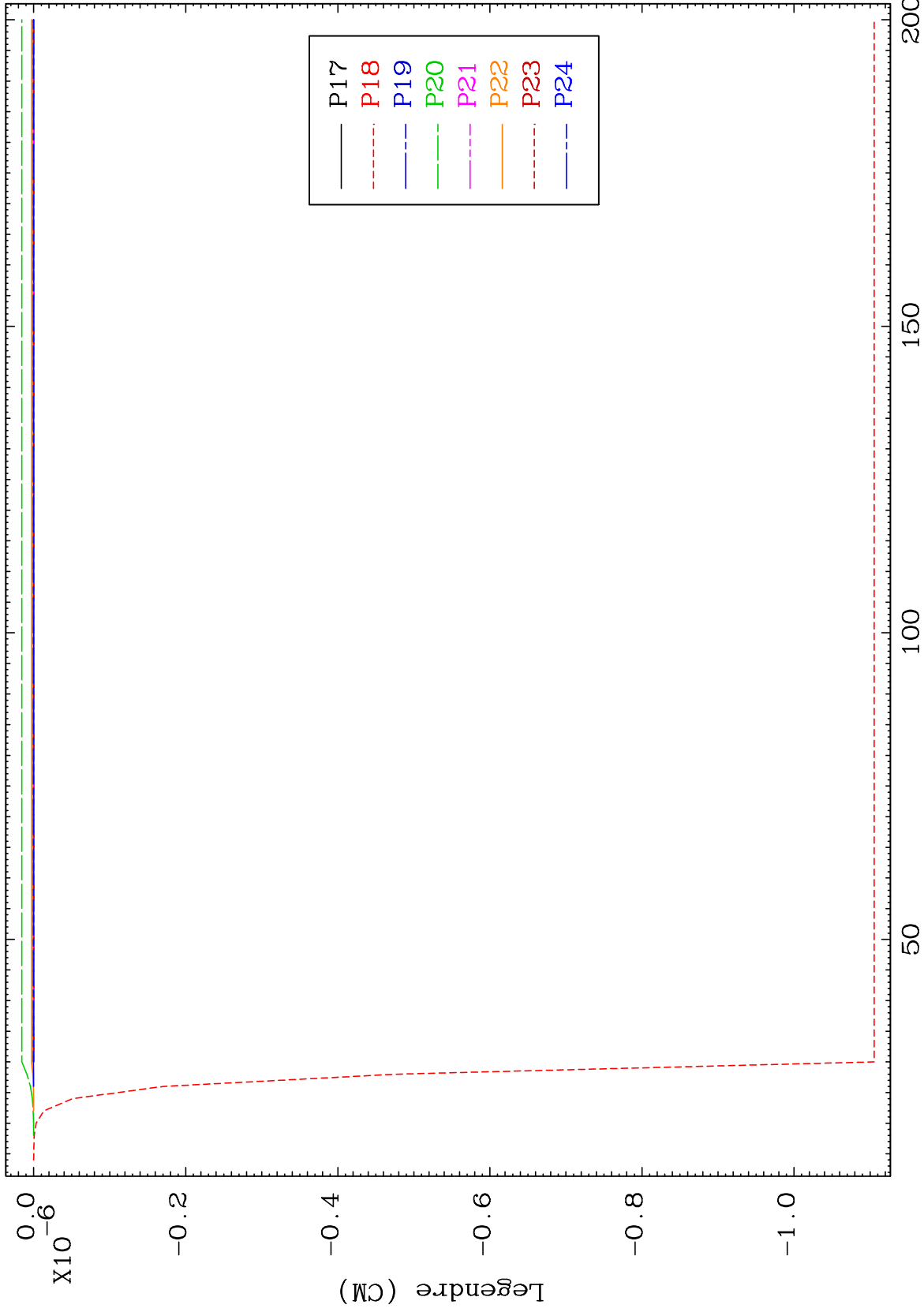
Incident Energy (MeV)

53-I -132

MAT 5340

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

53-I -132



118

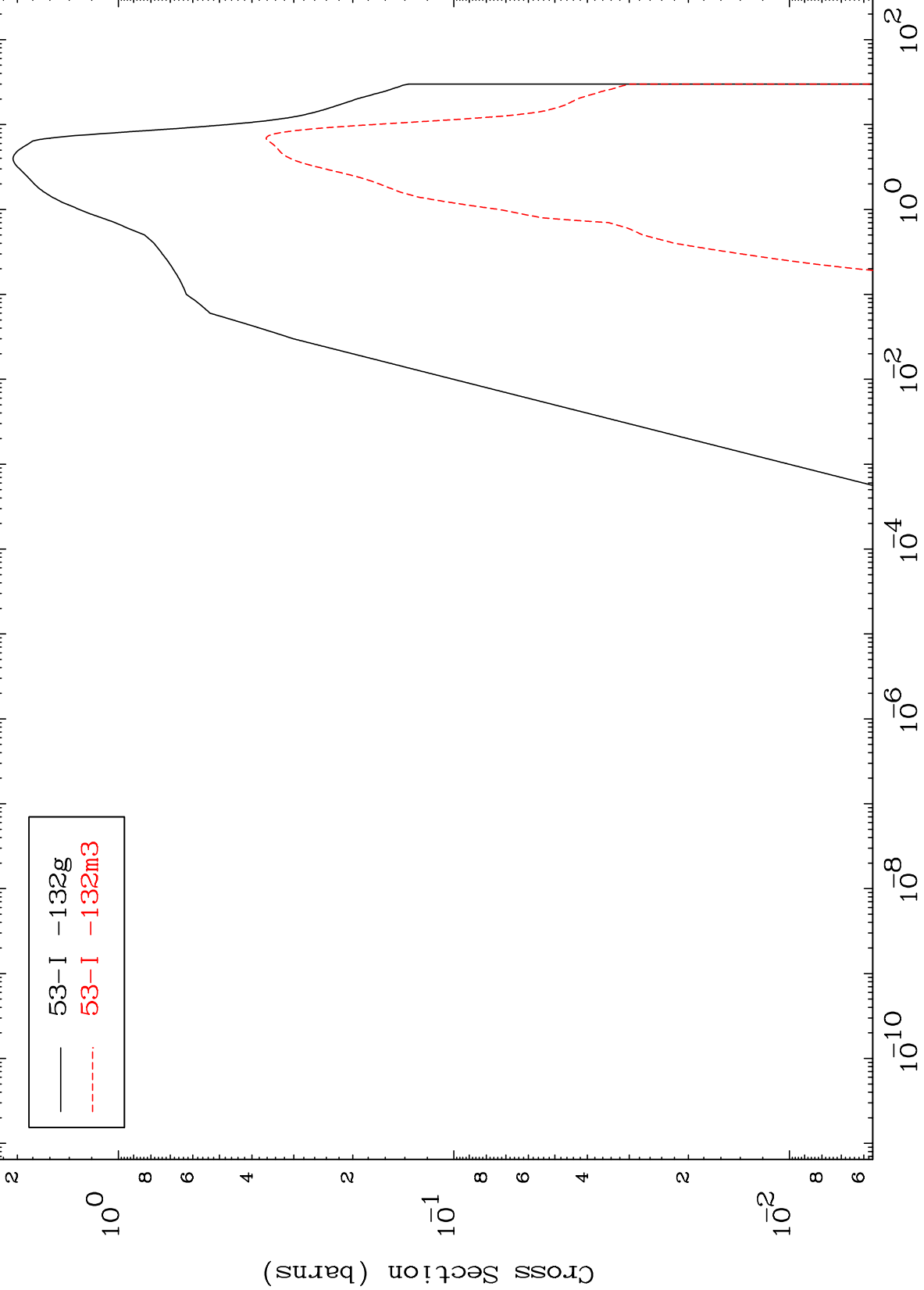
Incident Energy (MeV)

53-I -132

MAT 5340

Inelastic
Radionuclide Production Cross Section

53-I -132



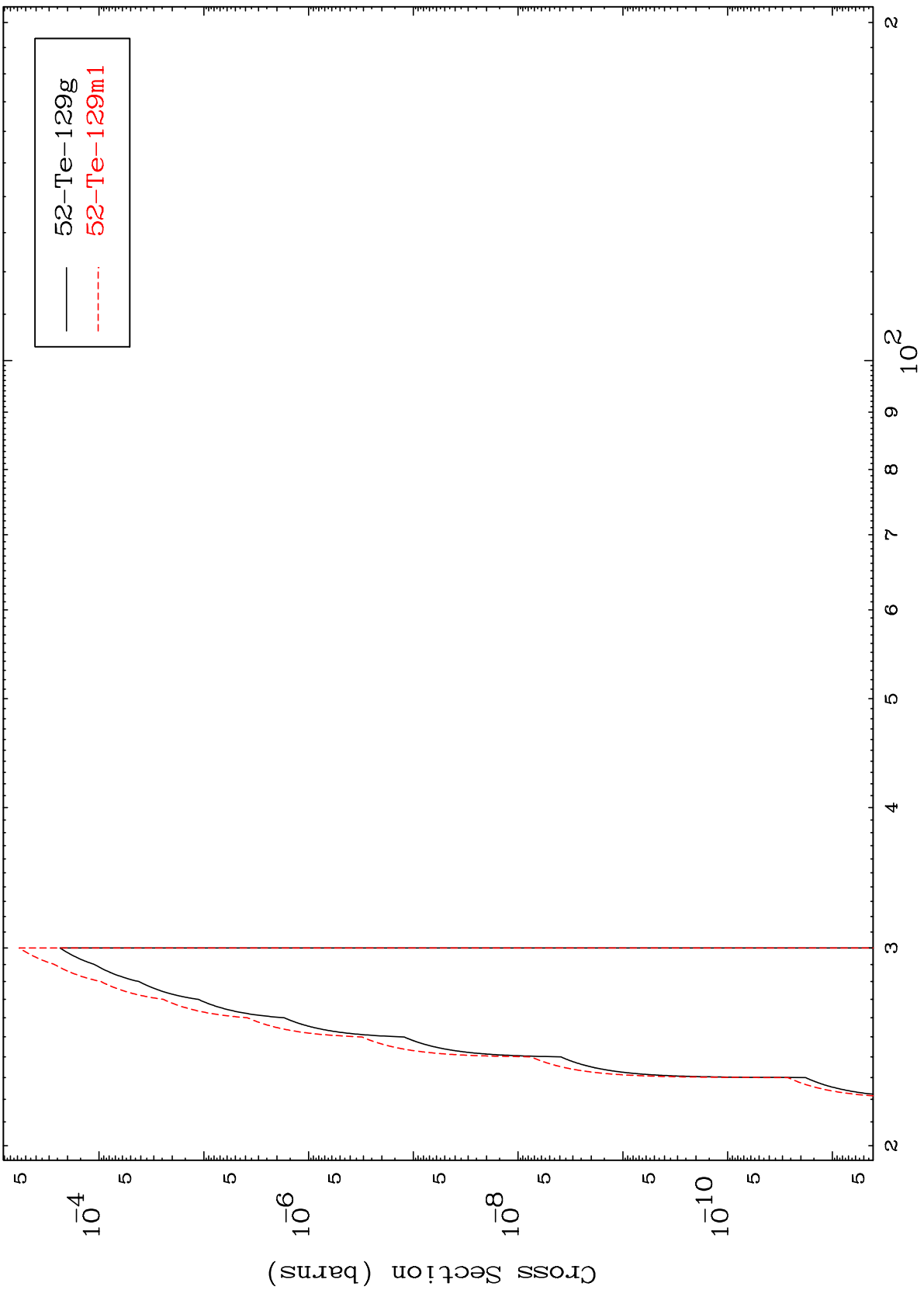
53-I -132g
53-I -132m3

MAT 5340

(n,2n) d

53-I -132

Radionuclide Production Cross Section



120

Incident Energy (MeV)

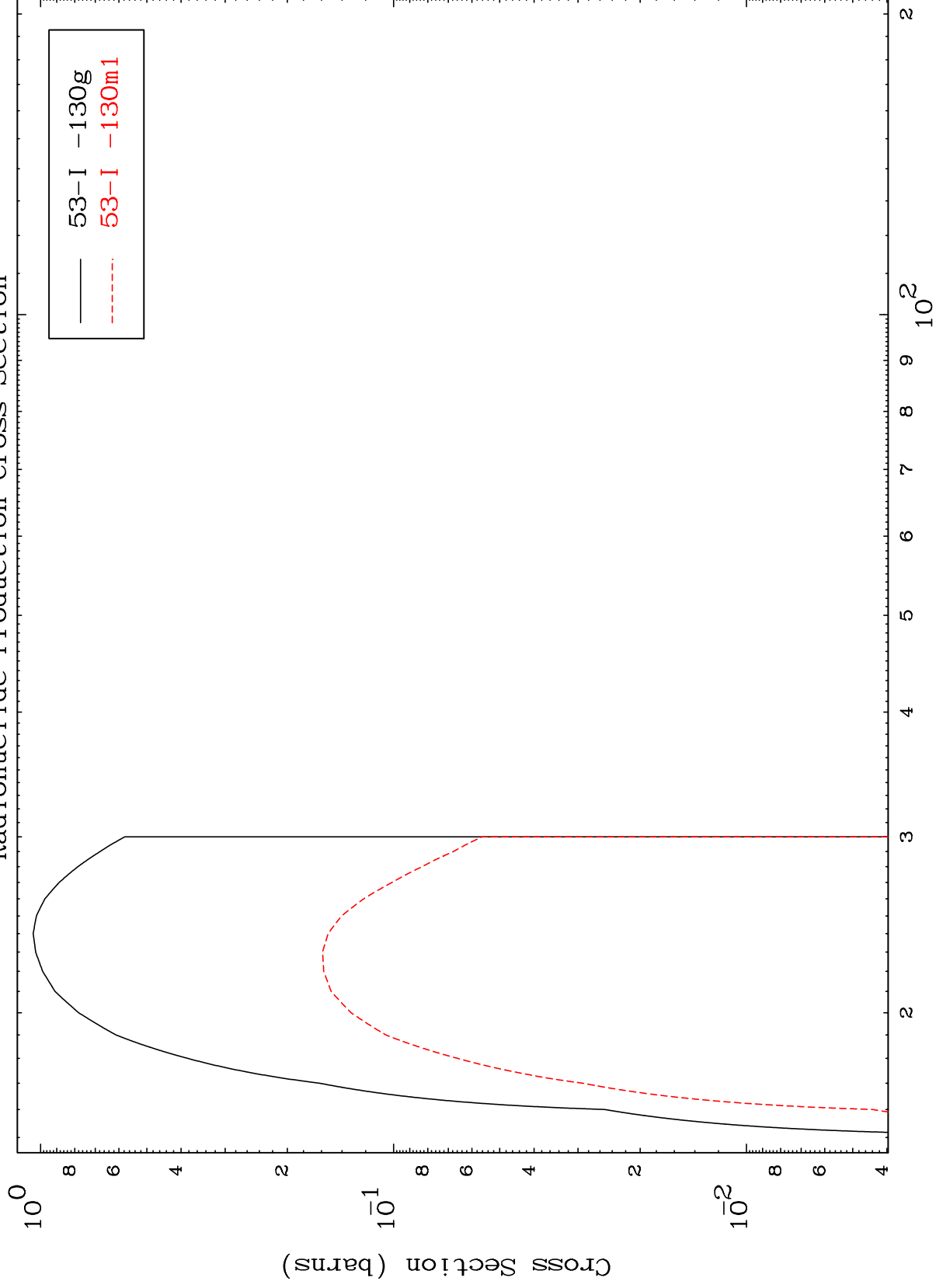
53-I -132

MAT 5340

(n,3n)

53-I -132

Radionuclide Production Cross Section



53-I -130g
53-I -130m1

121

Incident Energy (MeV)

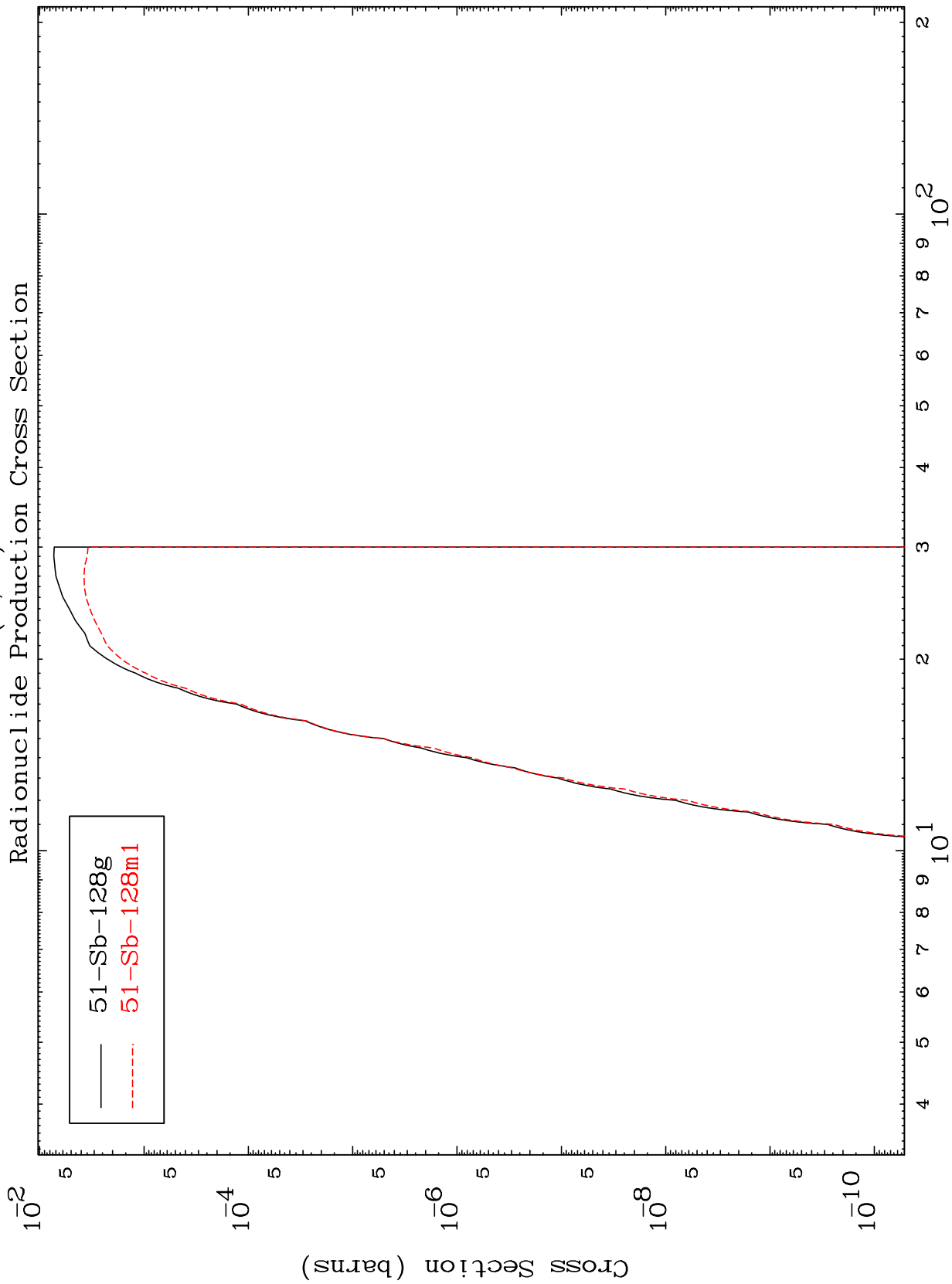
53-I -132

MAT 5340

(n,n') α

53-I -132

Radionuclide Production Cross Section

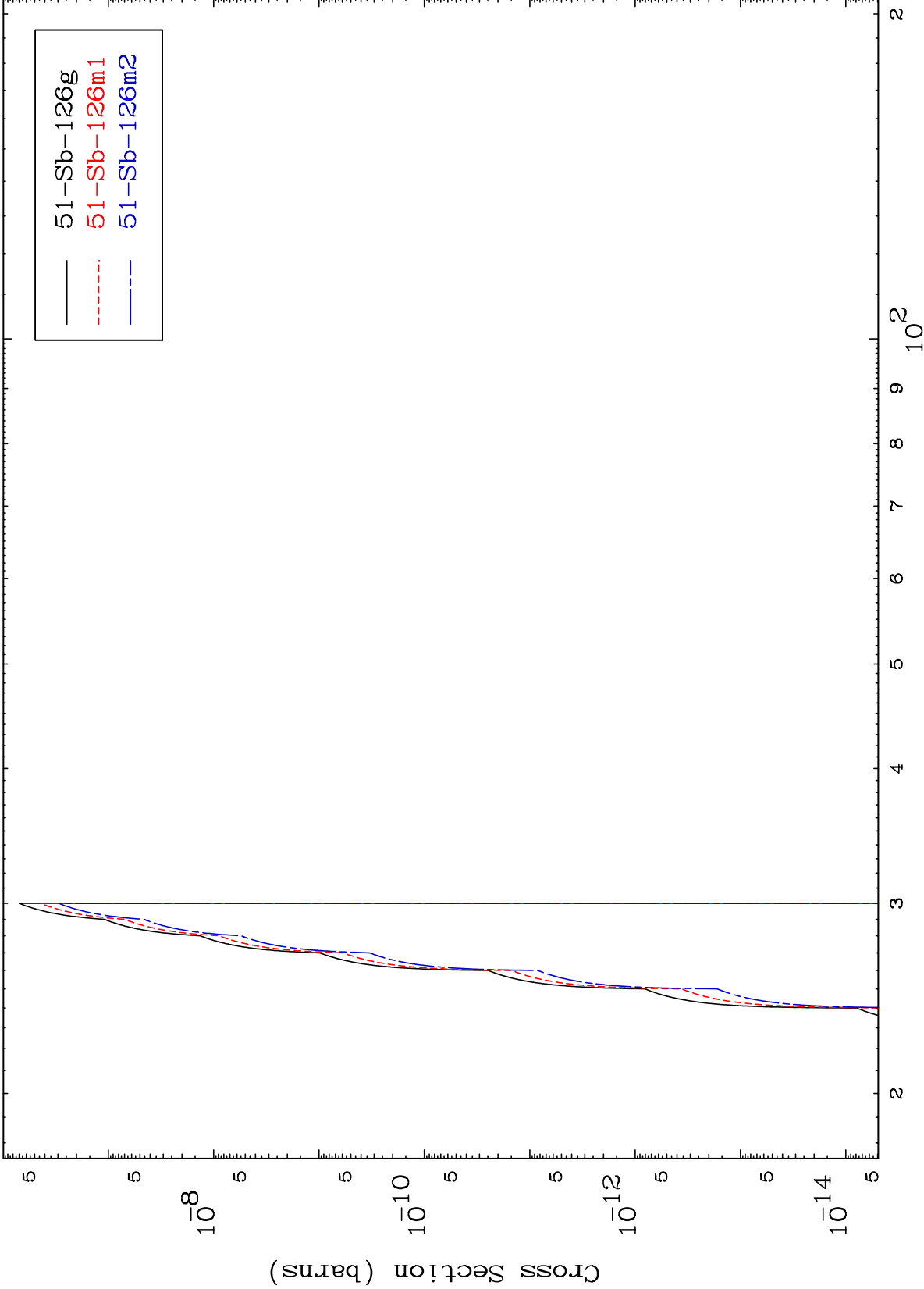


122

Incident Energy (MeV)

53-I -132

Radionuclide Production Cross Section

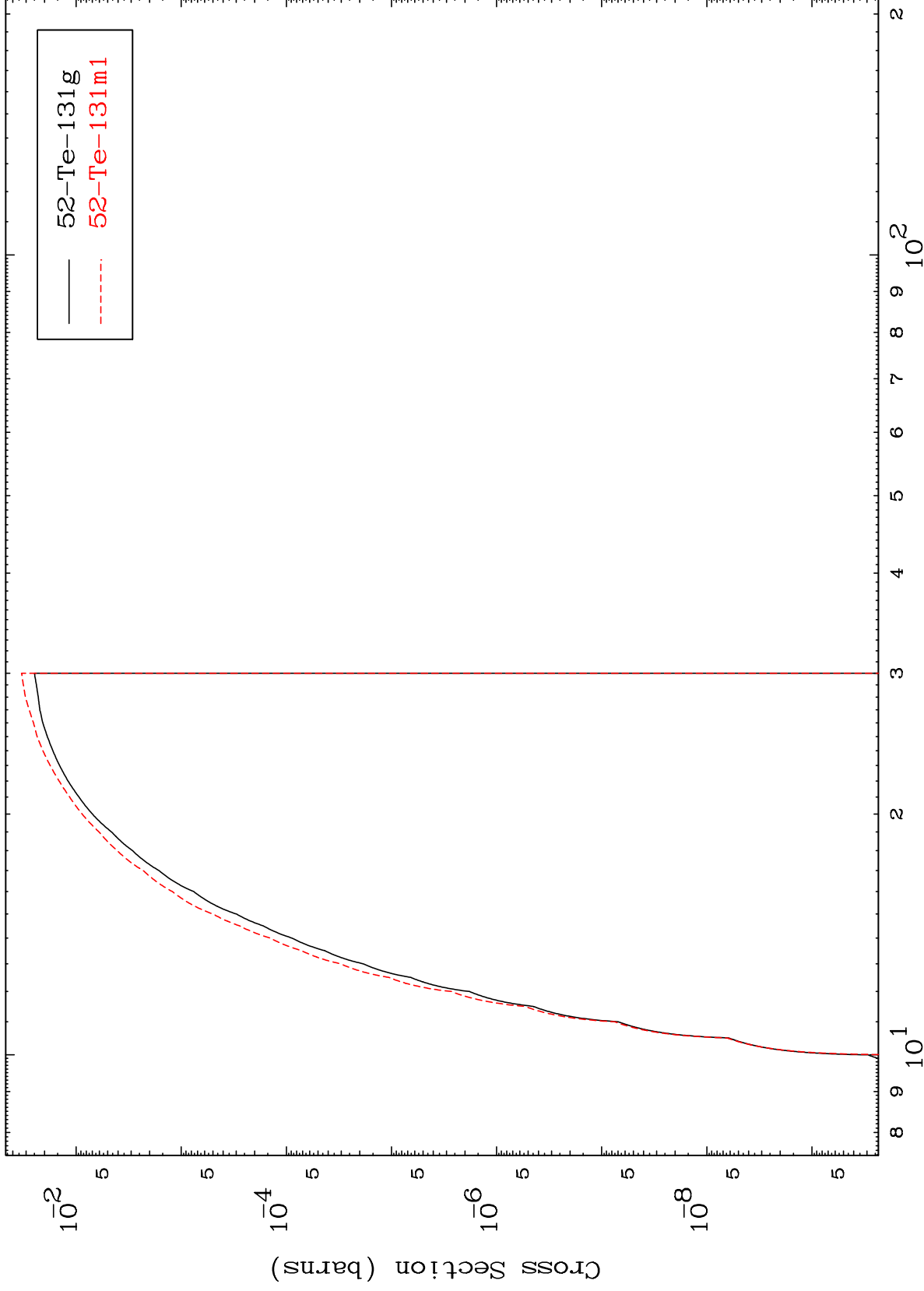


MAT 5340

(n,n') p

53-I -132

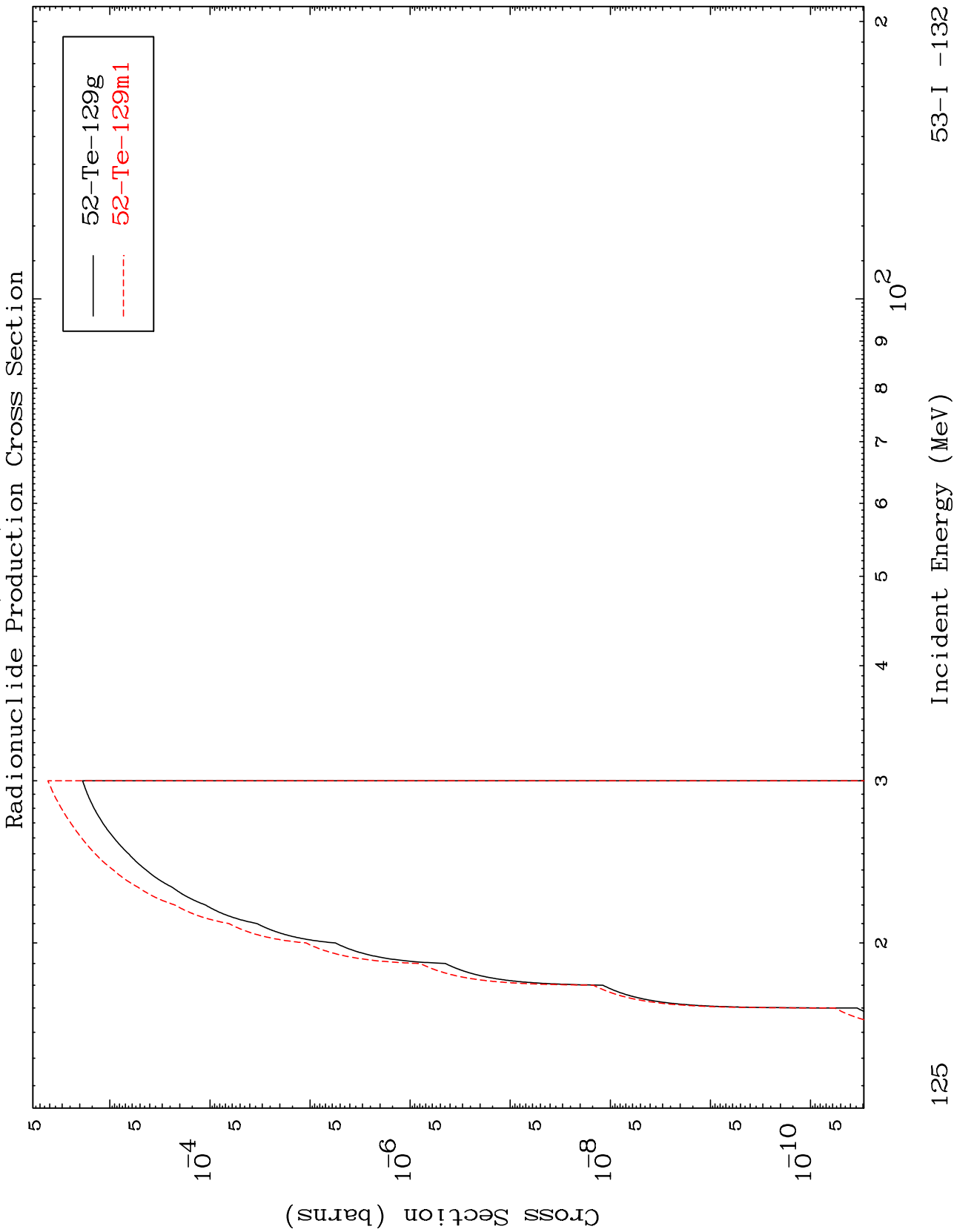
Radionuclide Production Cross Section



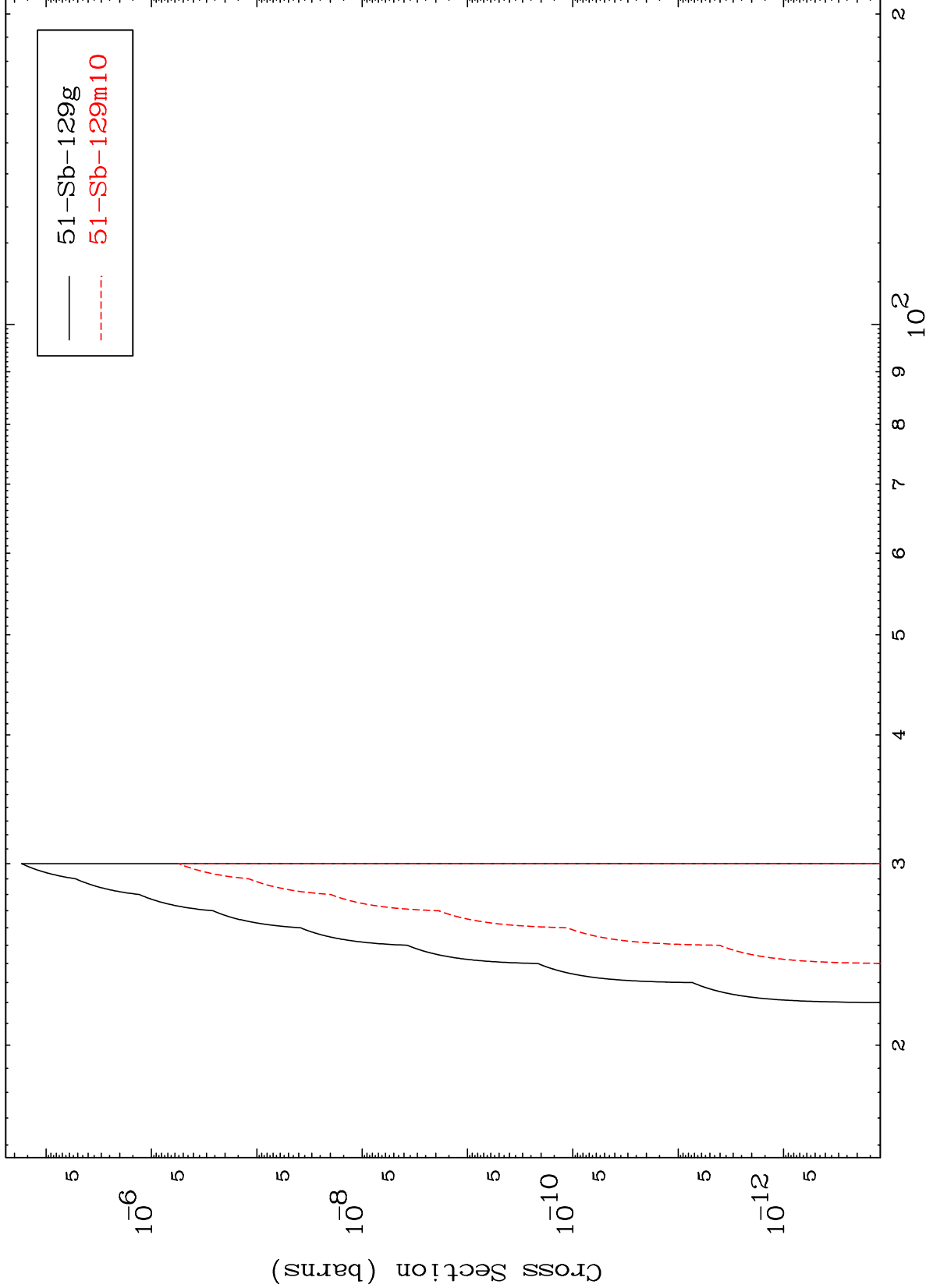
124

Incident Energy (MeV)

53-I -132

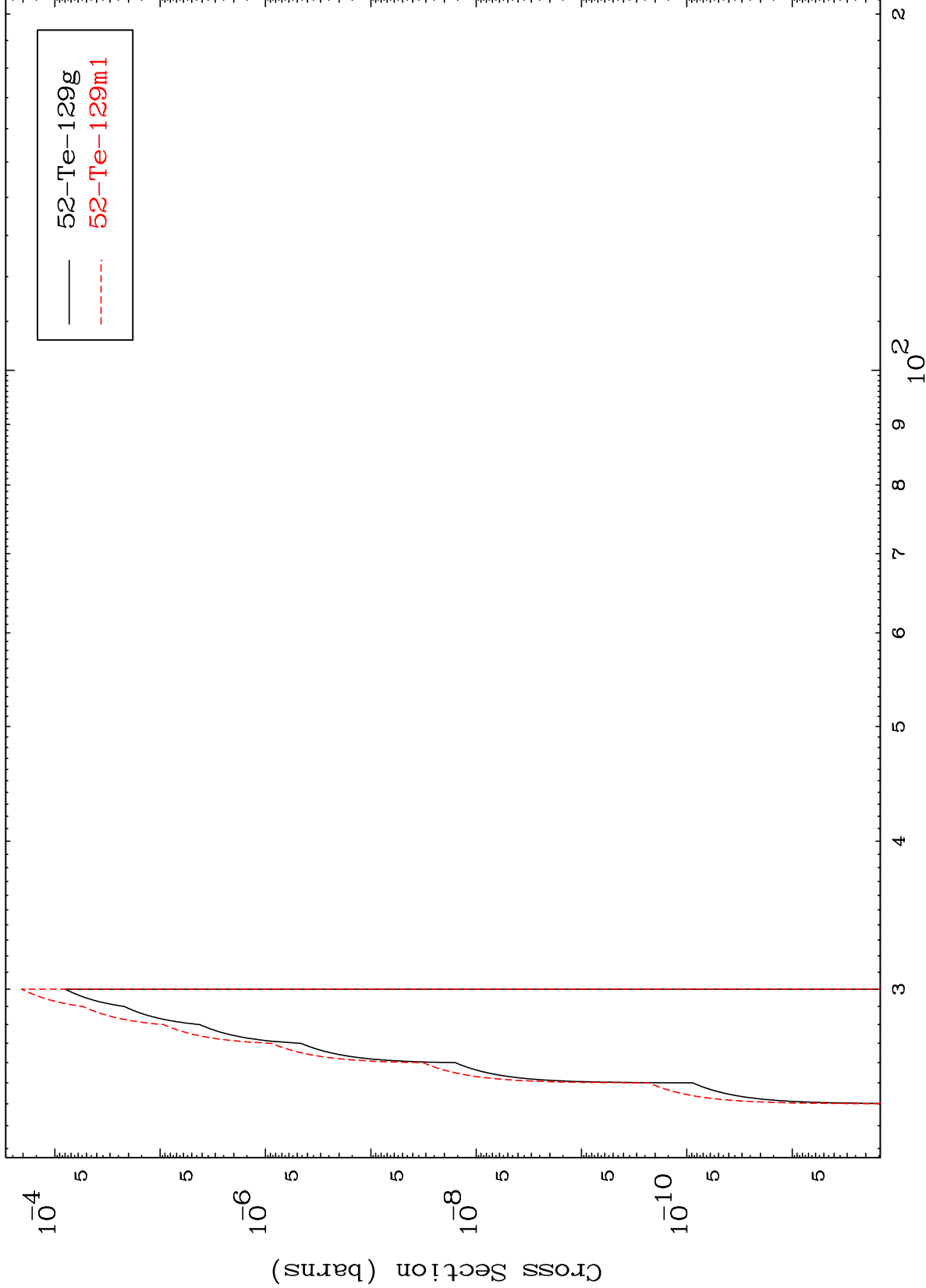


Radionuclide Production Cross Section

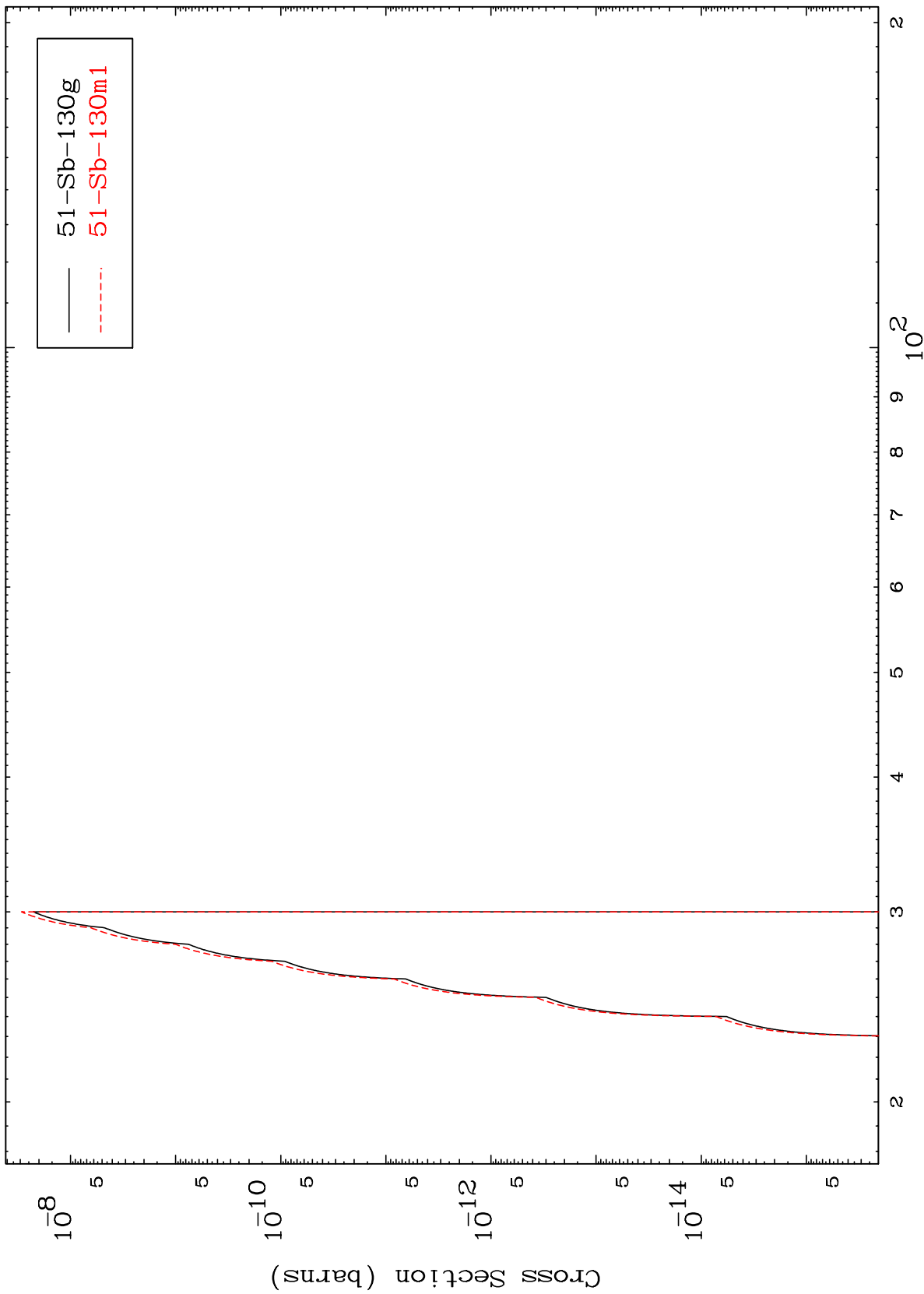


51-Sb-129g
51-Sb-129m10

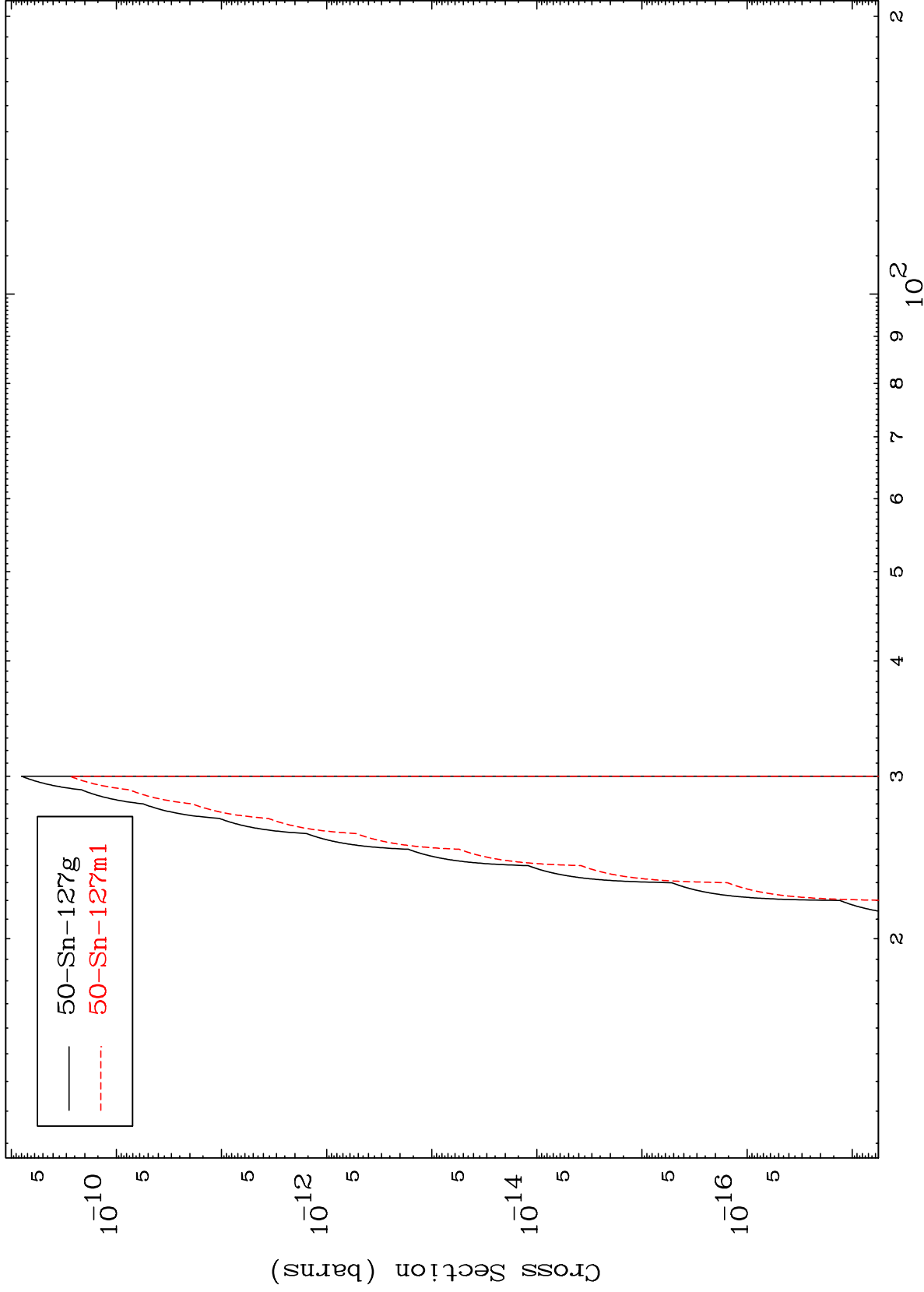
Radionuclide Production Cross Section



(n,2n) p
Radionuclide Production Cross Section

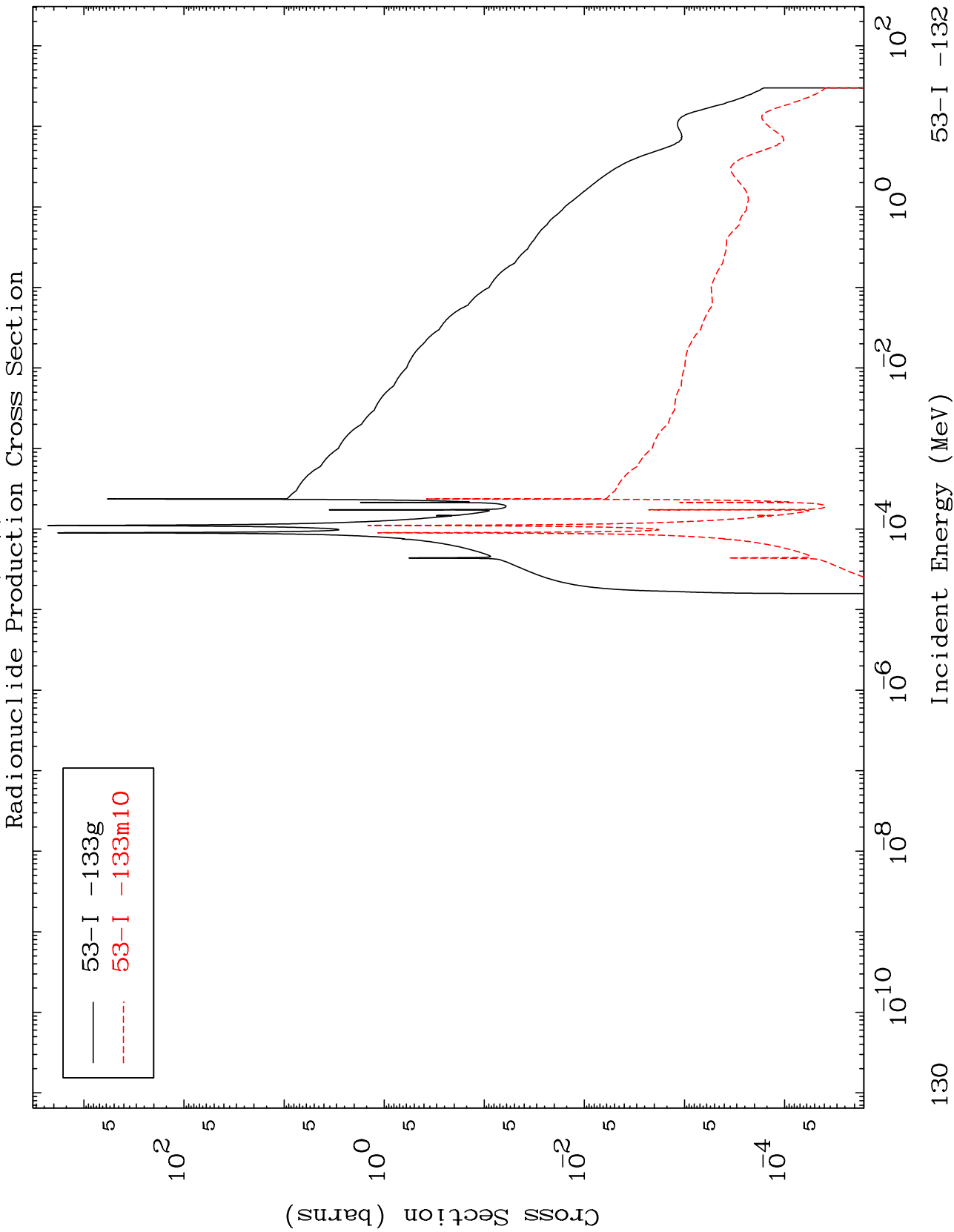


Radionuclide Production Cross Section



MAT 5340

53-I -132

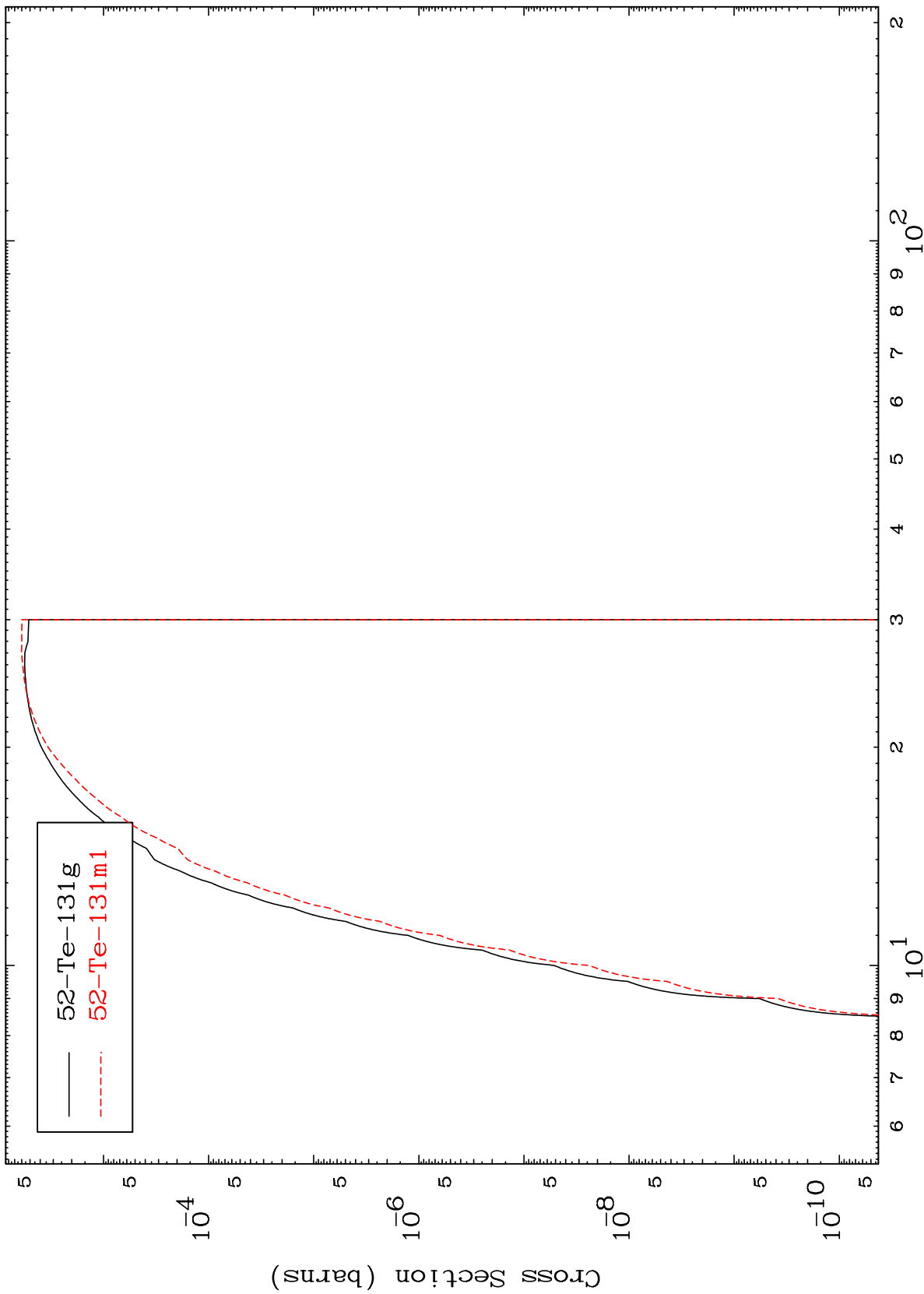


53-I -133g
53-I -133m10

MAT 5340

53-I -132

(n,d)
Radionuclide Production Cross Section



131

Incident Energy (MeV)

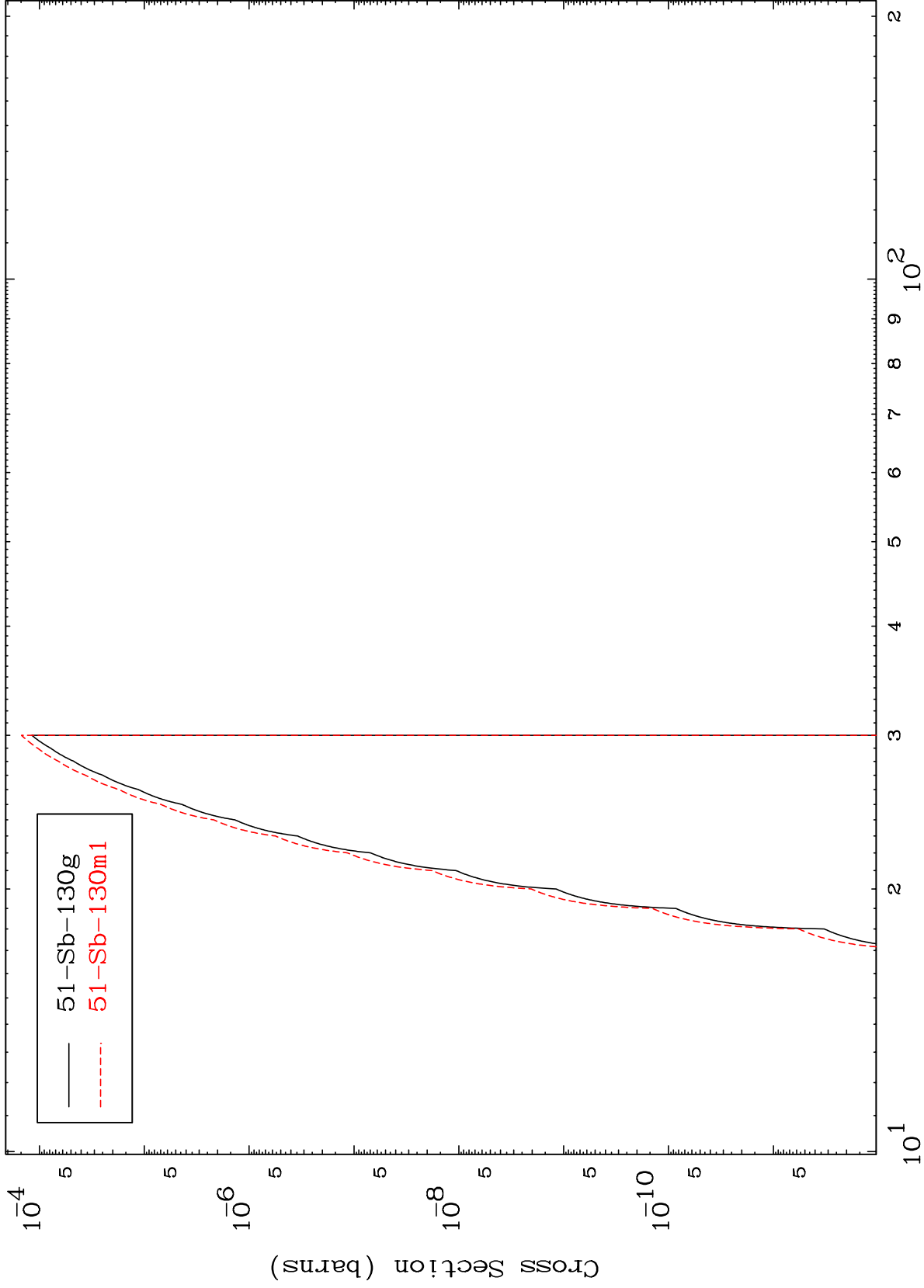
53-I -132

MAT 5340

(n,He-3)

53-I -132

Radionuclide Production Cross Section



132

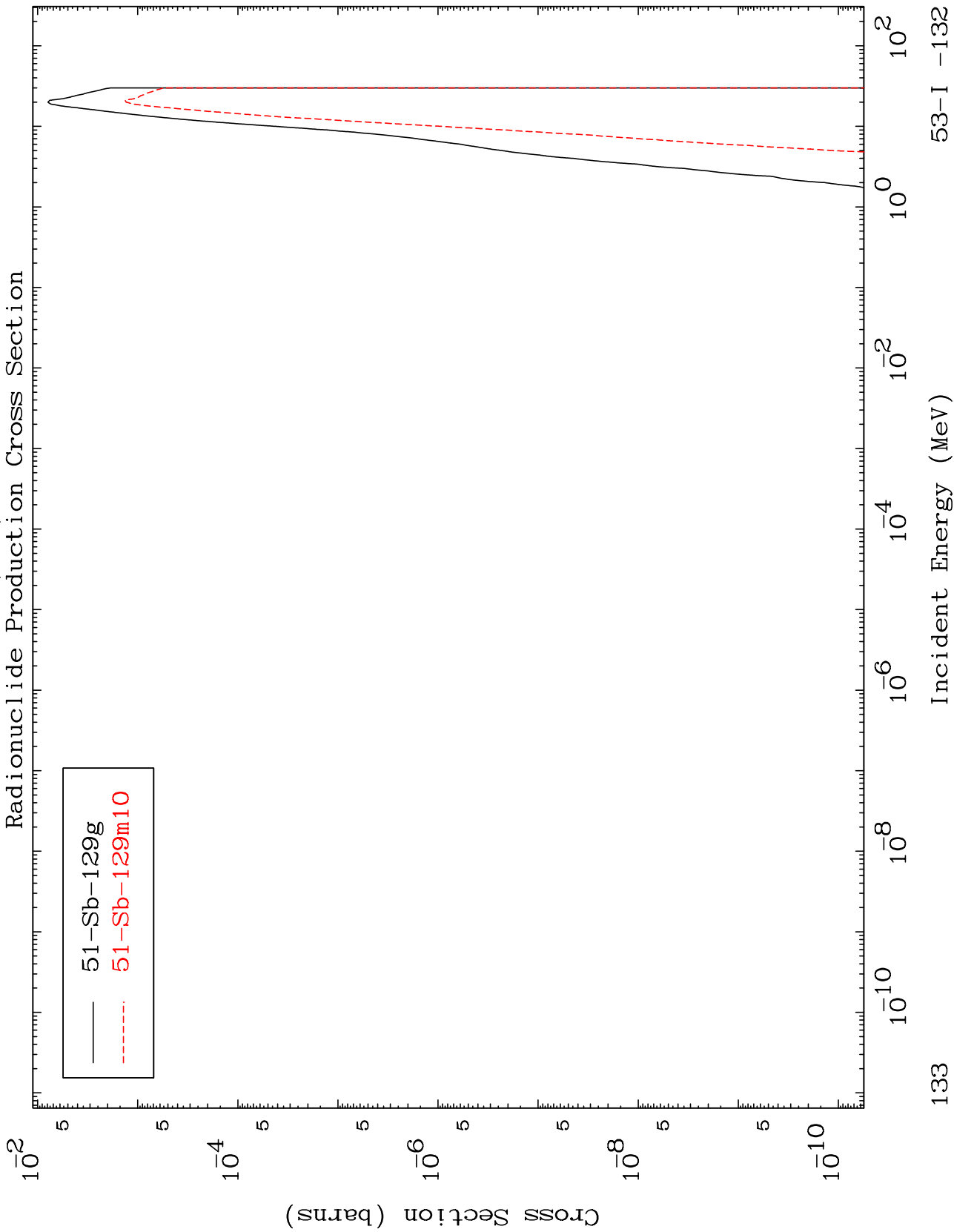
Incident Energy (MeV)

53-I -132

MAT 5340

(n, α)

53-I -132

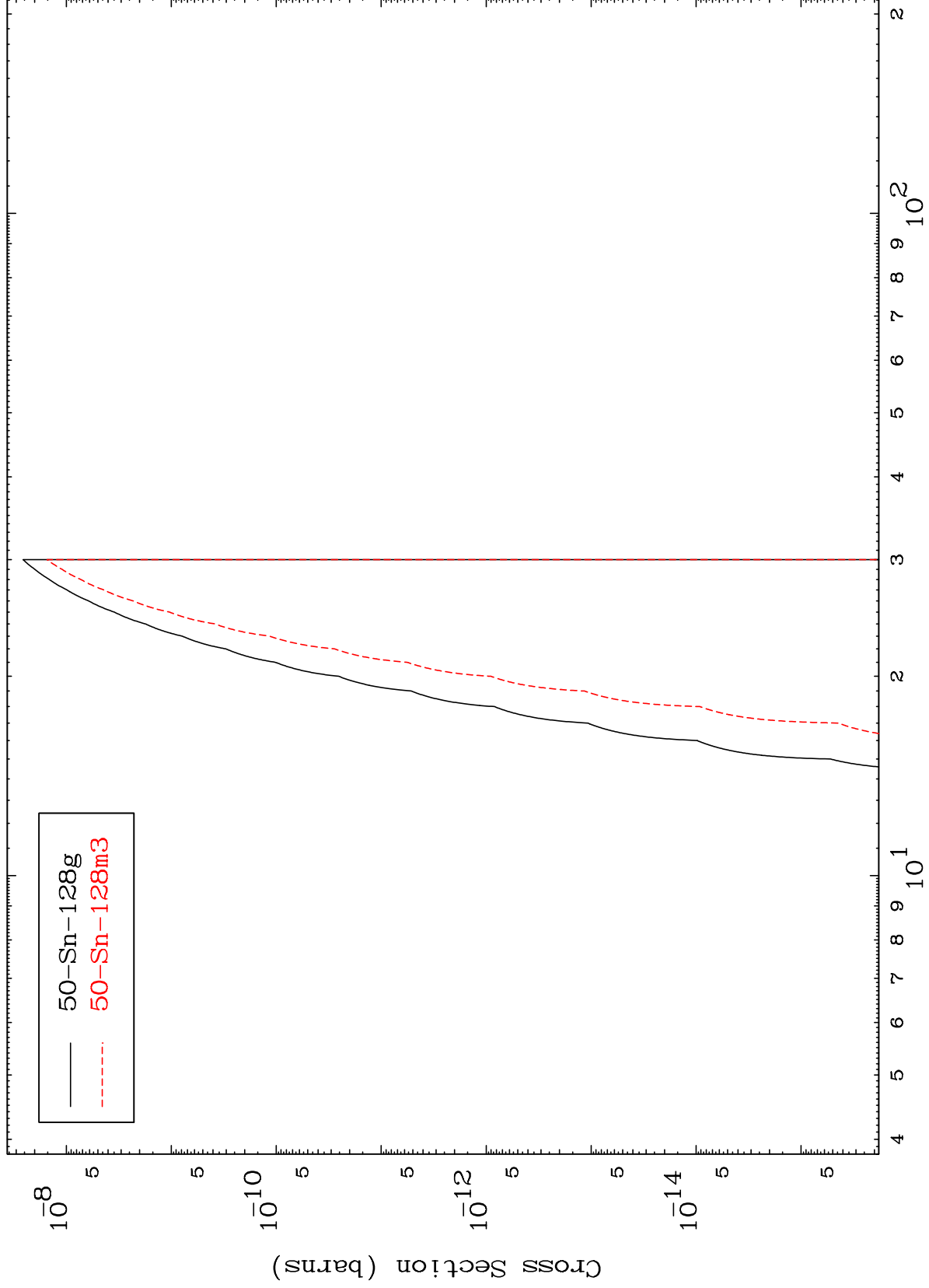


MAT 5340

(n,p) α

53-I -132

Radionuclide Production Cross Section

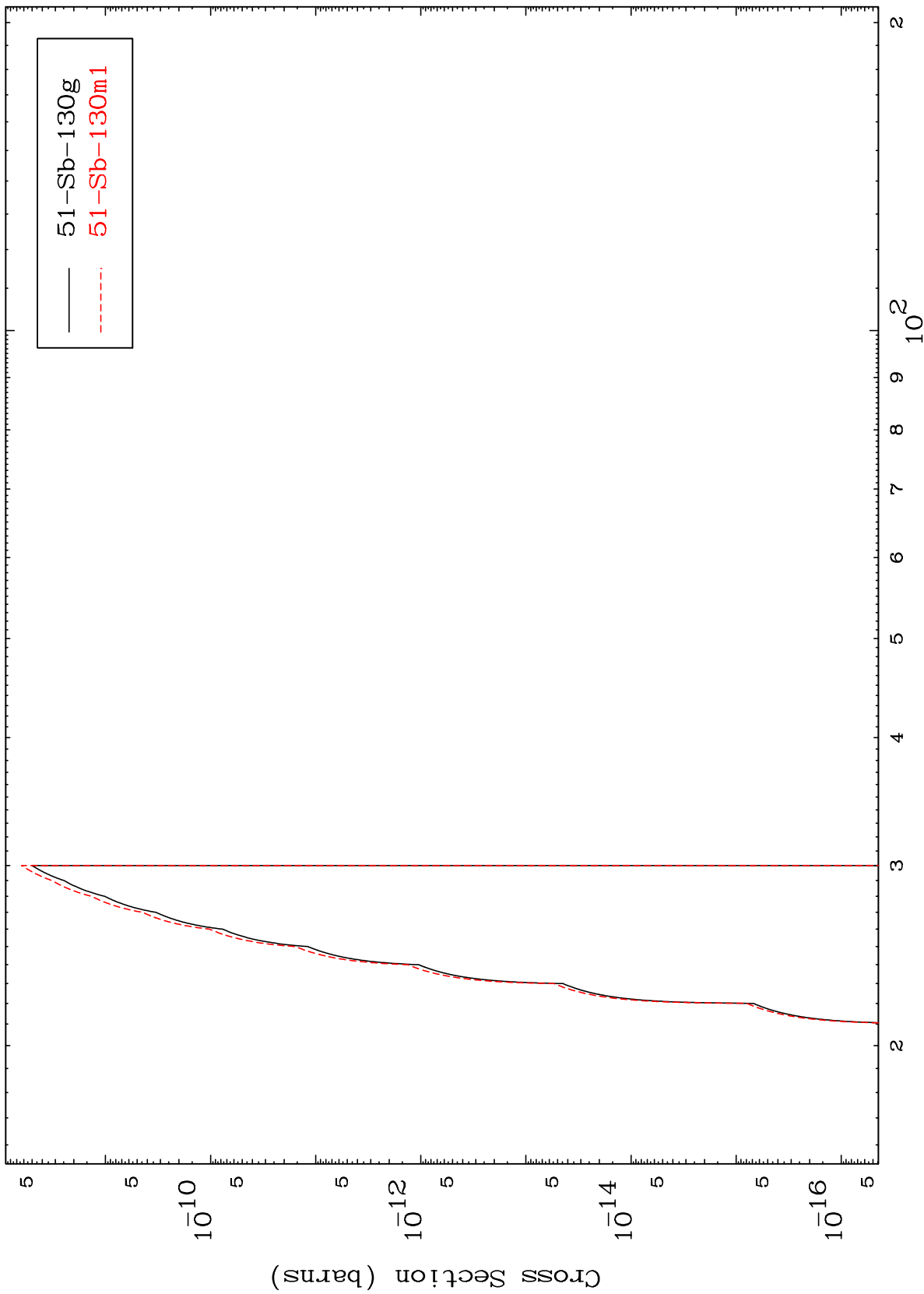


134

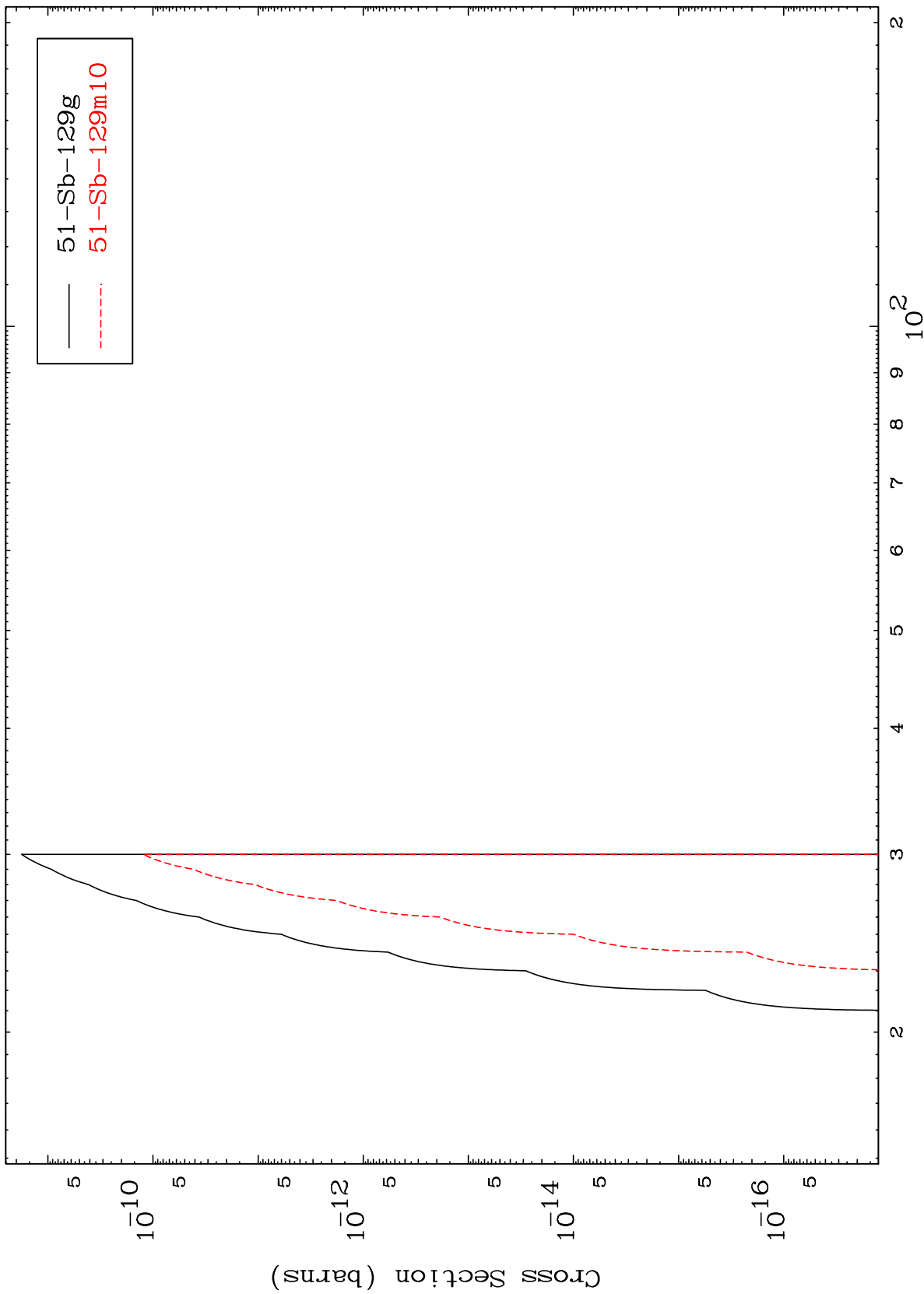
Incident Energy (MeV)

53-I -132

Radionuclide Production Cross Section



Radionuclide Production Cross Section

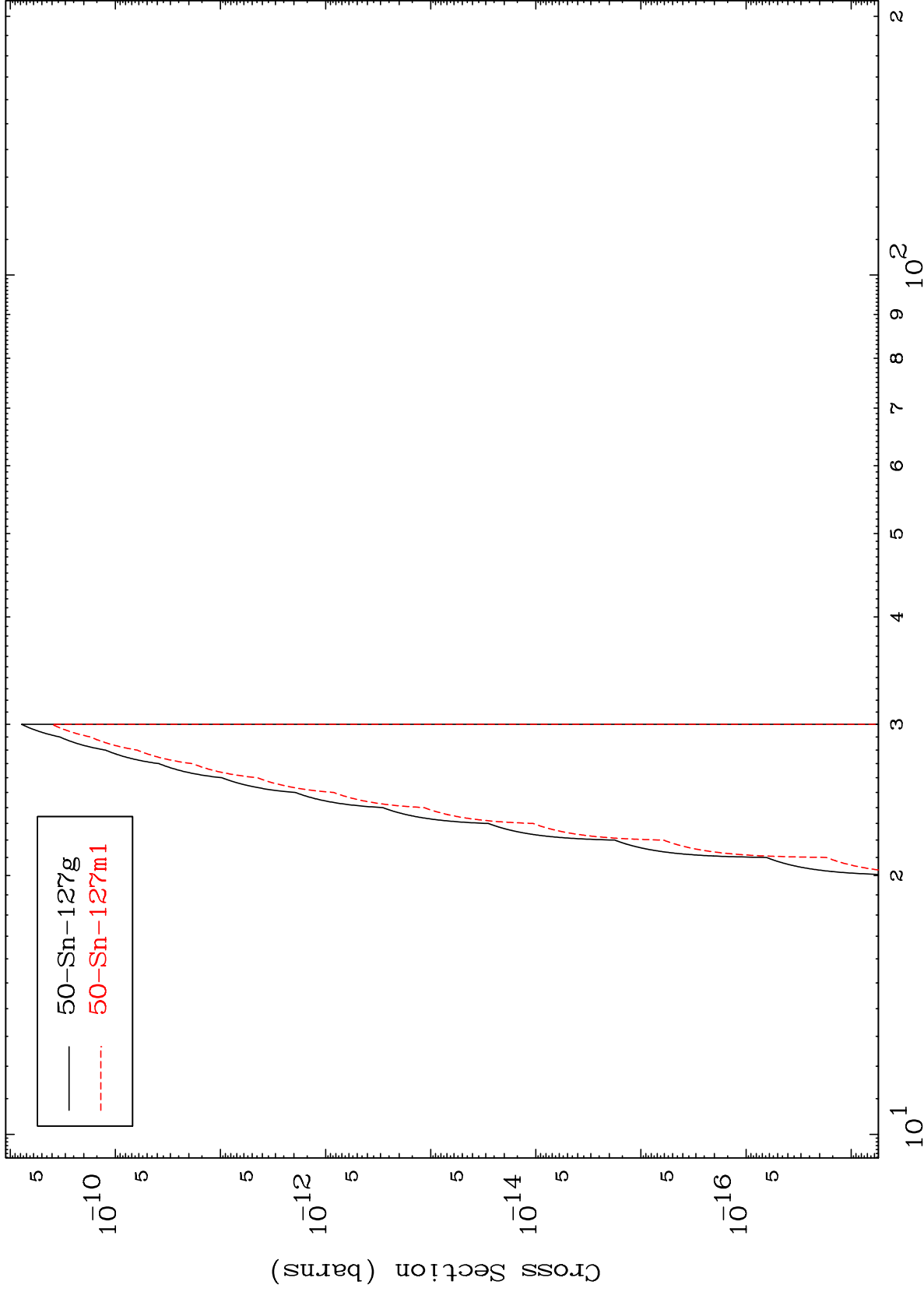


MAT 5340

(n,d) α

53-I -132

Radionuclide Production Cross Section



137

Incident Energy (MeV)

53-I -132