

Program EVALPLOT
(Version 2015-2)

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:home.comcast.net/~redcullen1

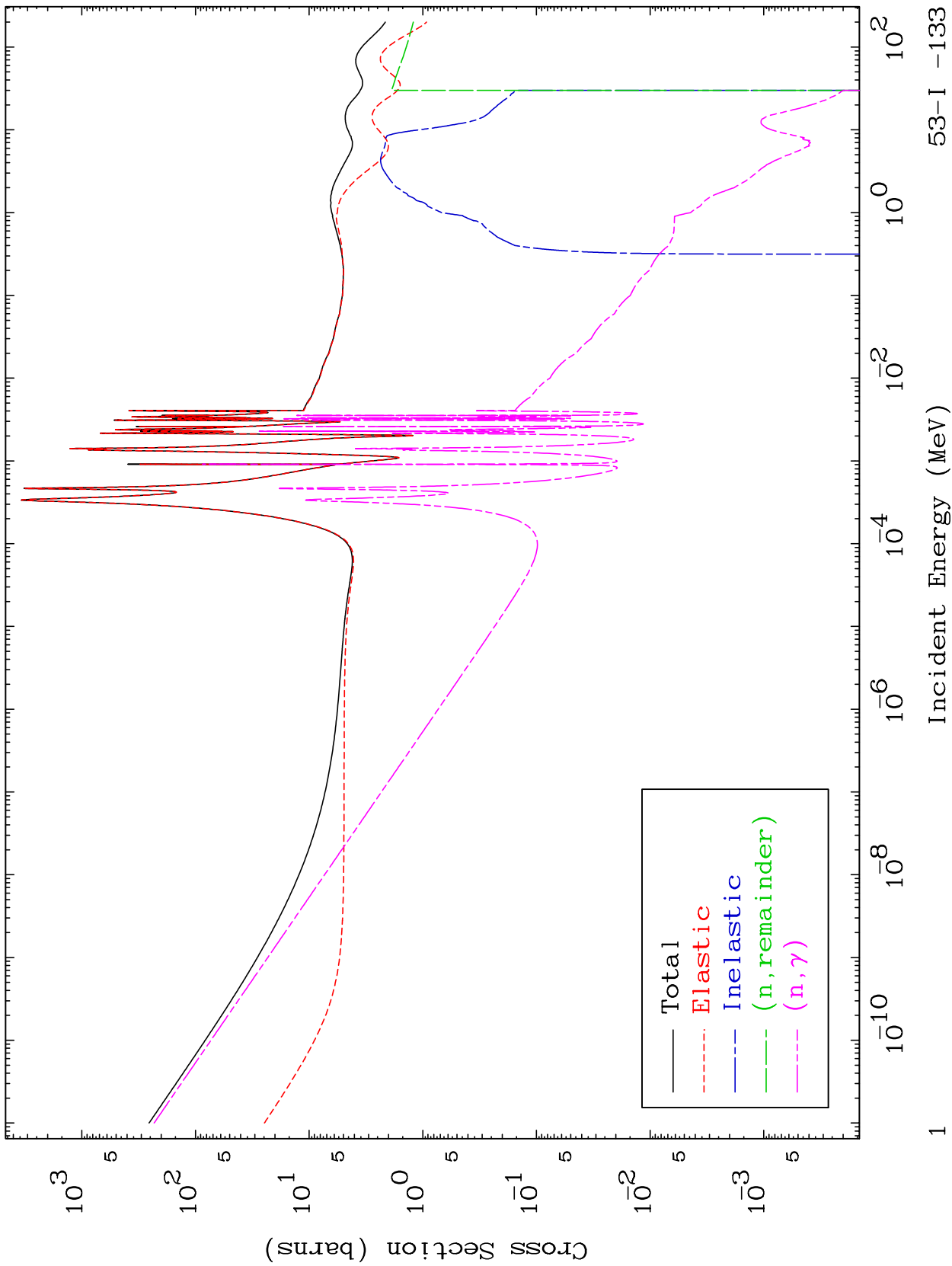
Press Mouse Button to Start

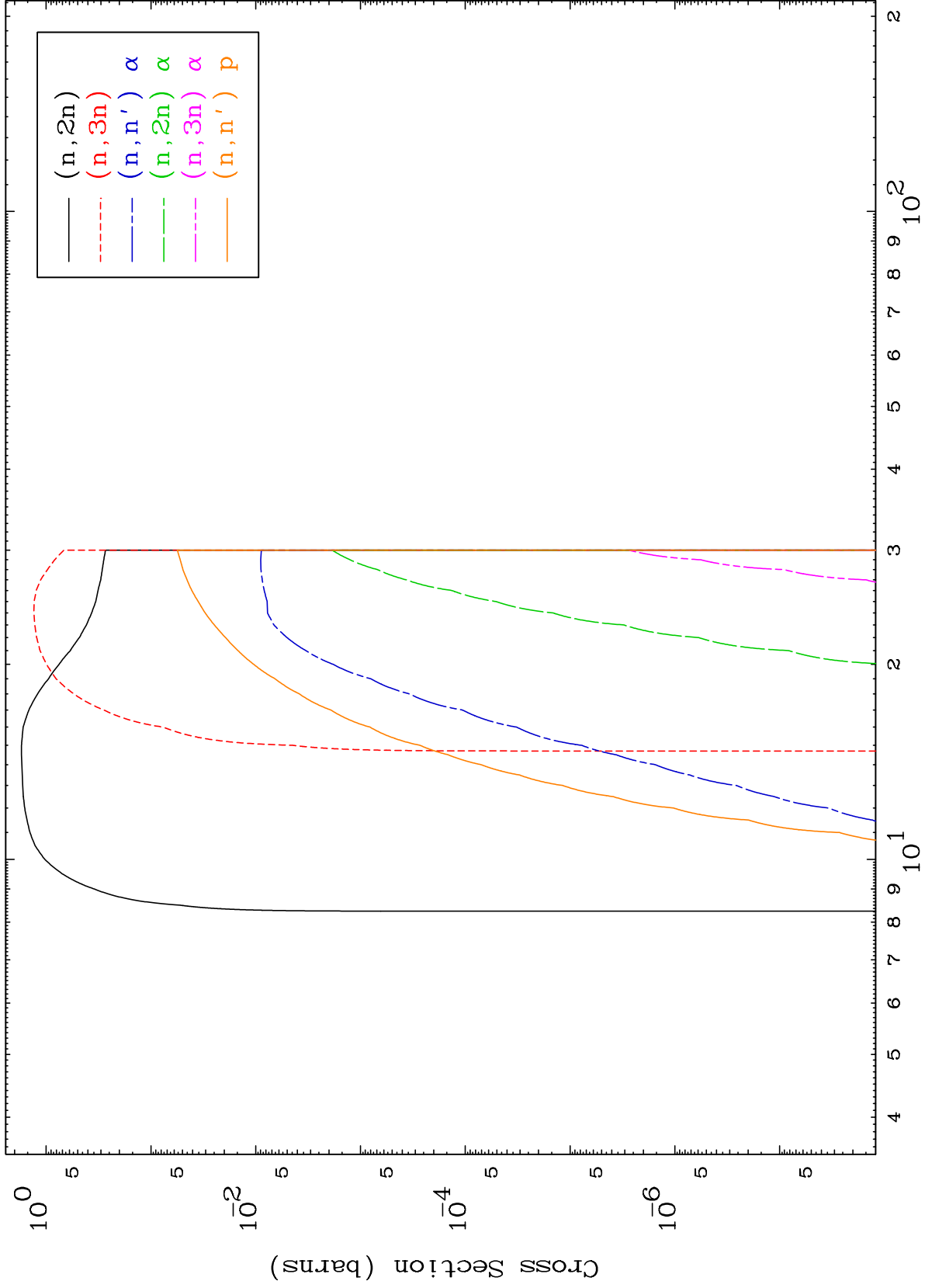
MAT 5343

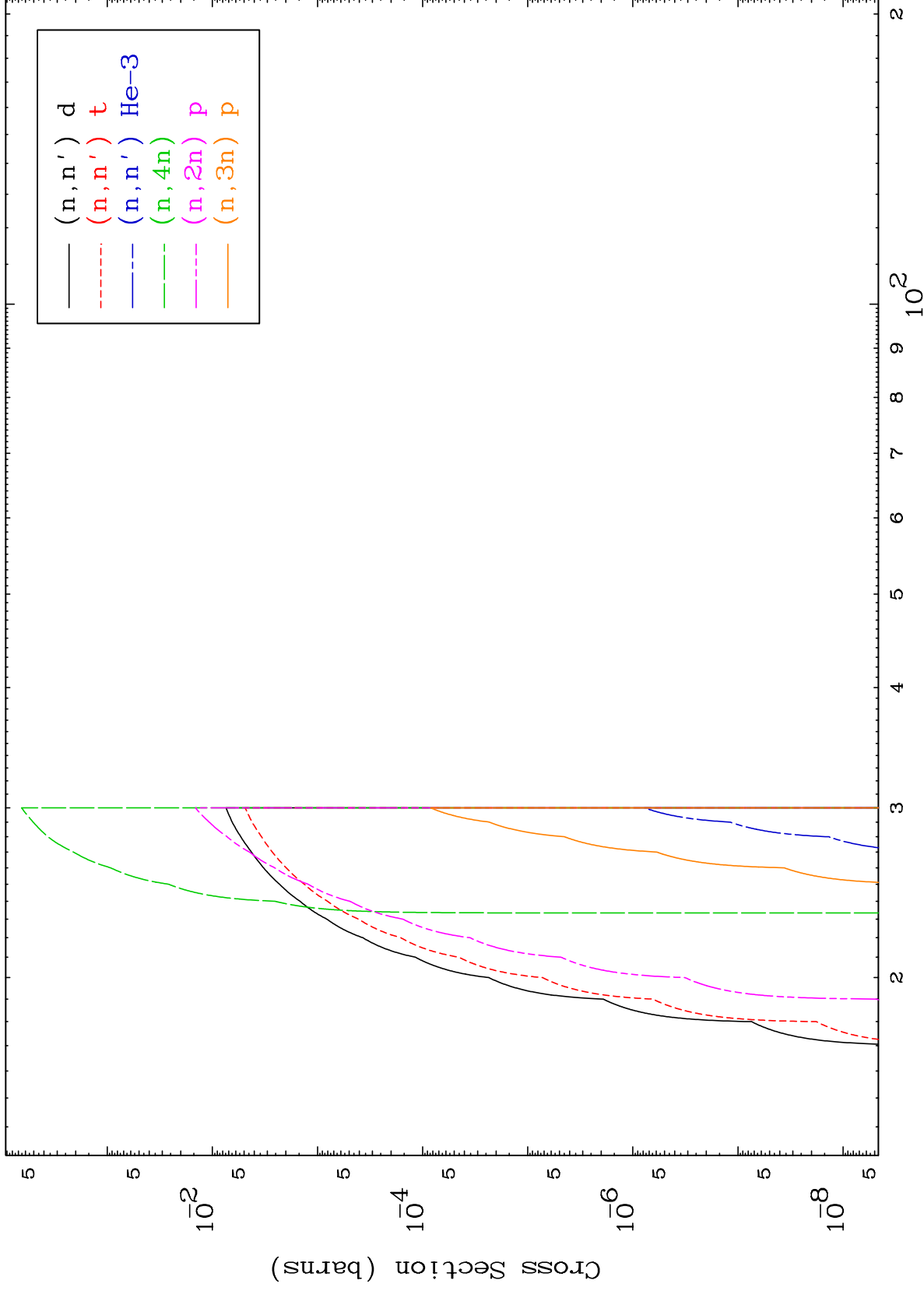
Major

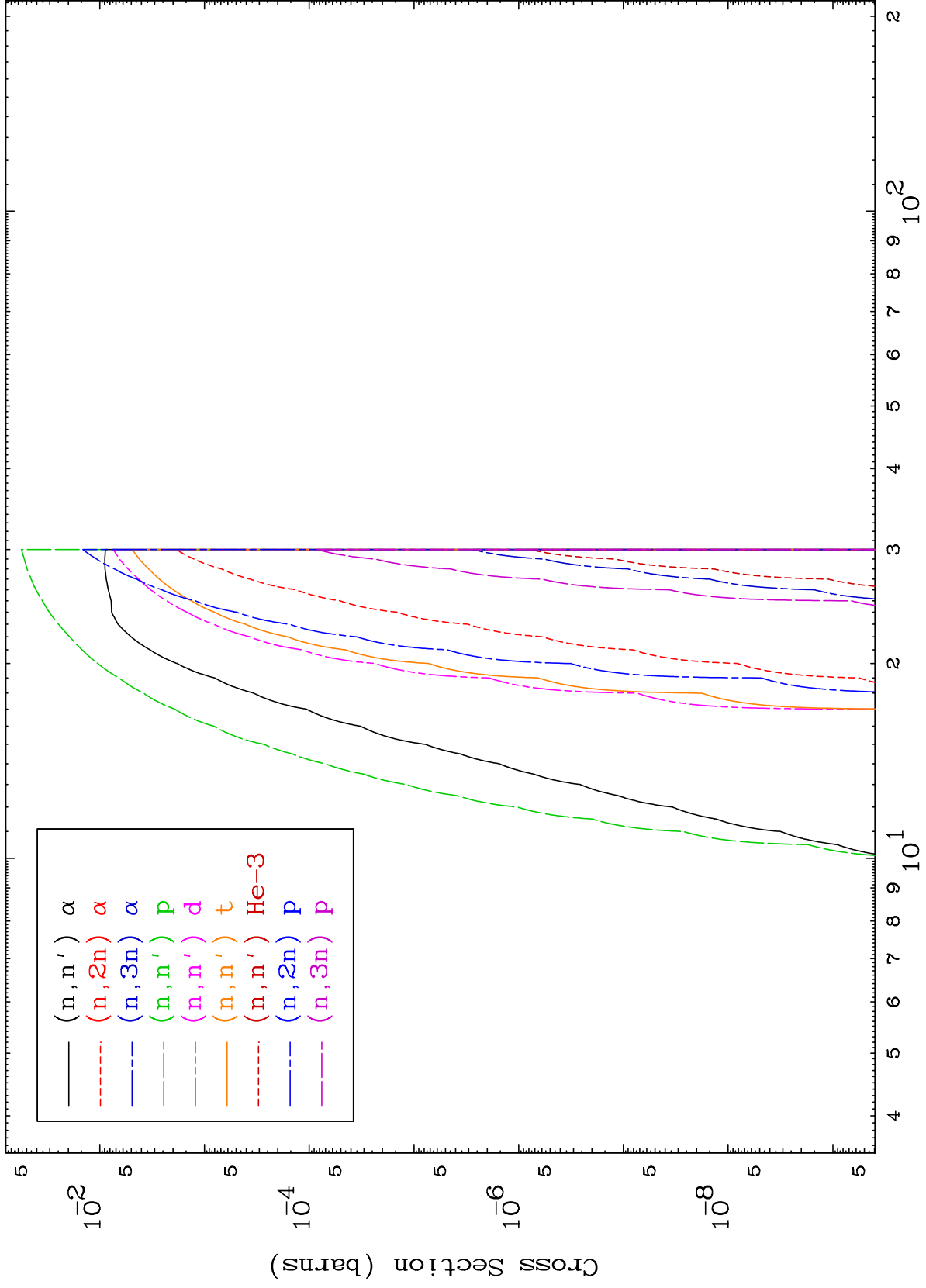
293 Kelvin Cross Sections

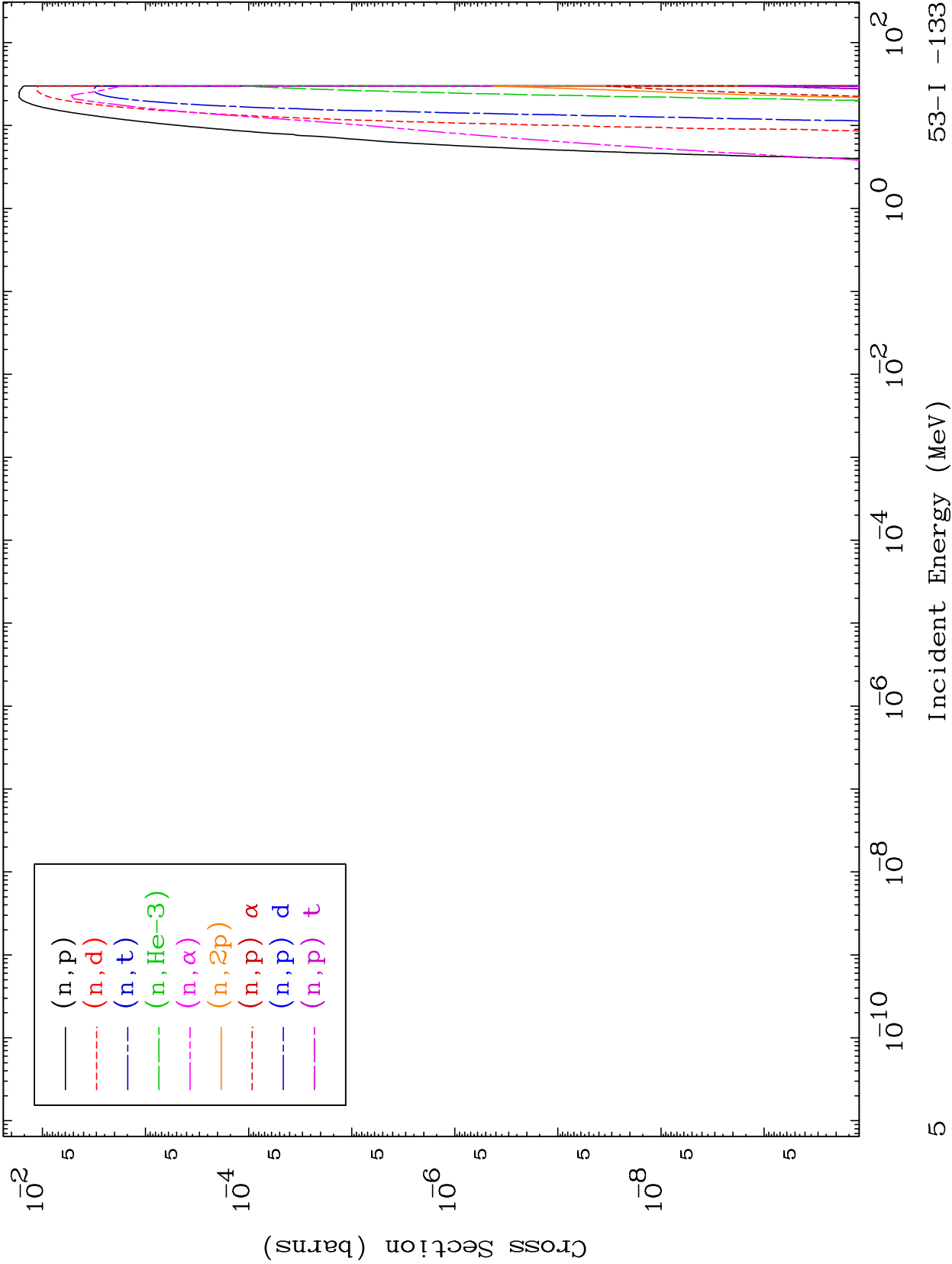
53-I -133

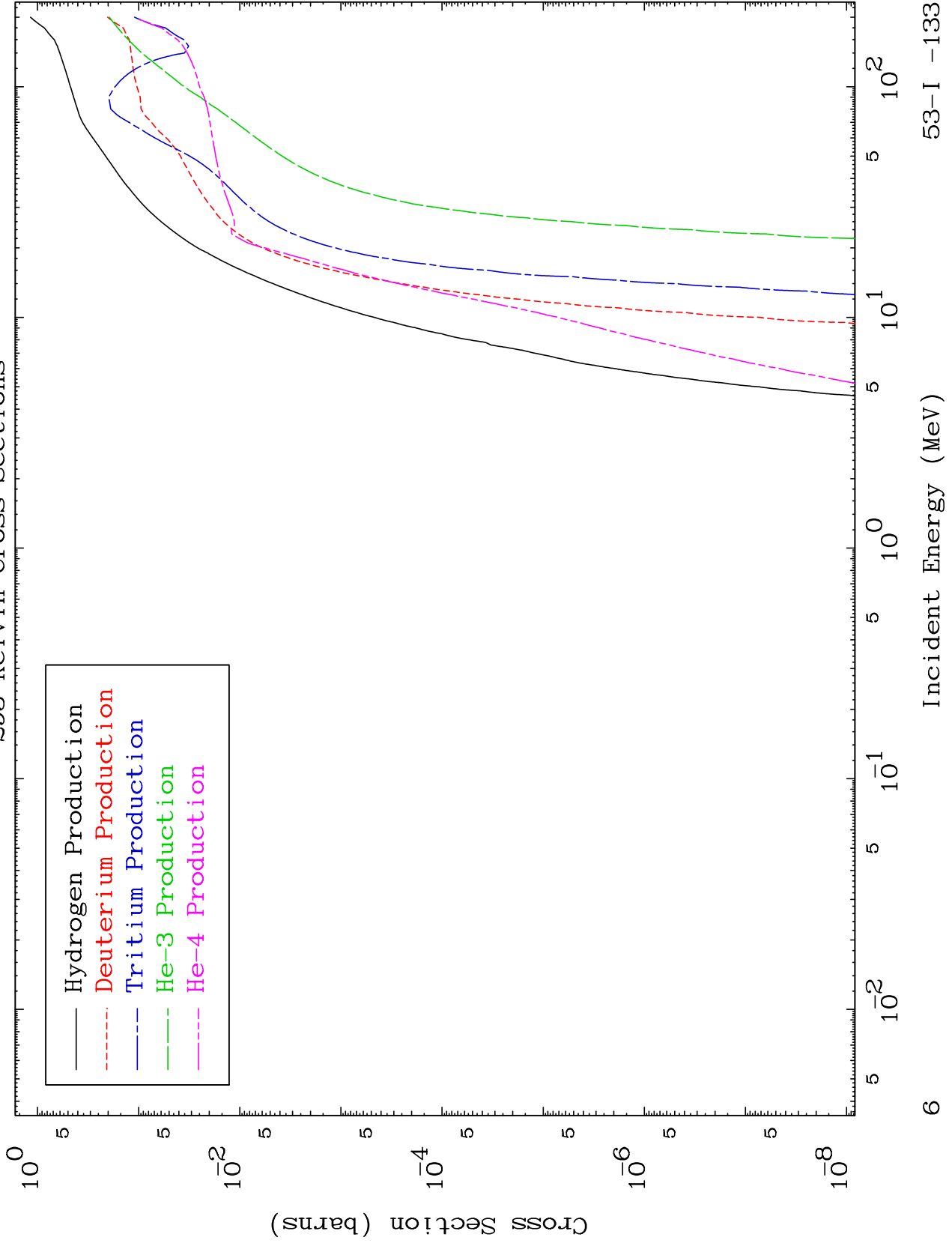


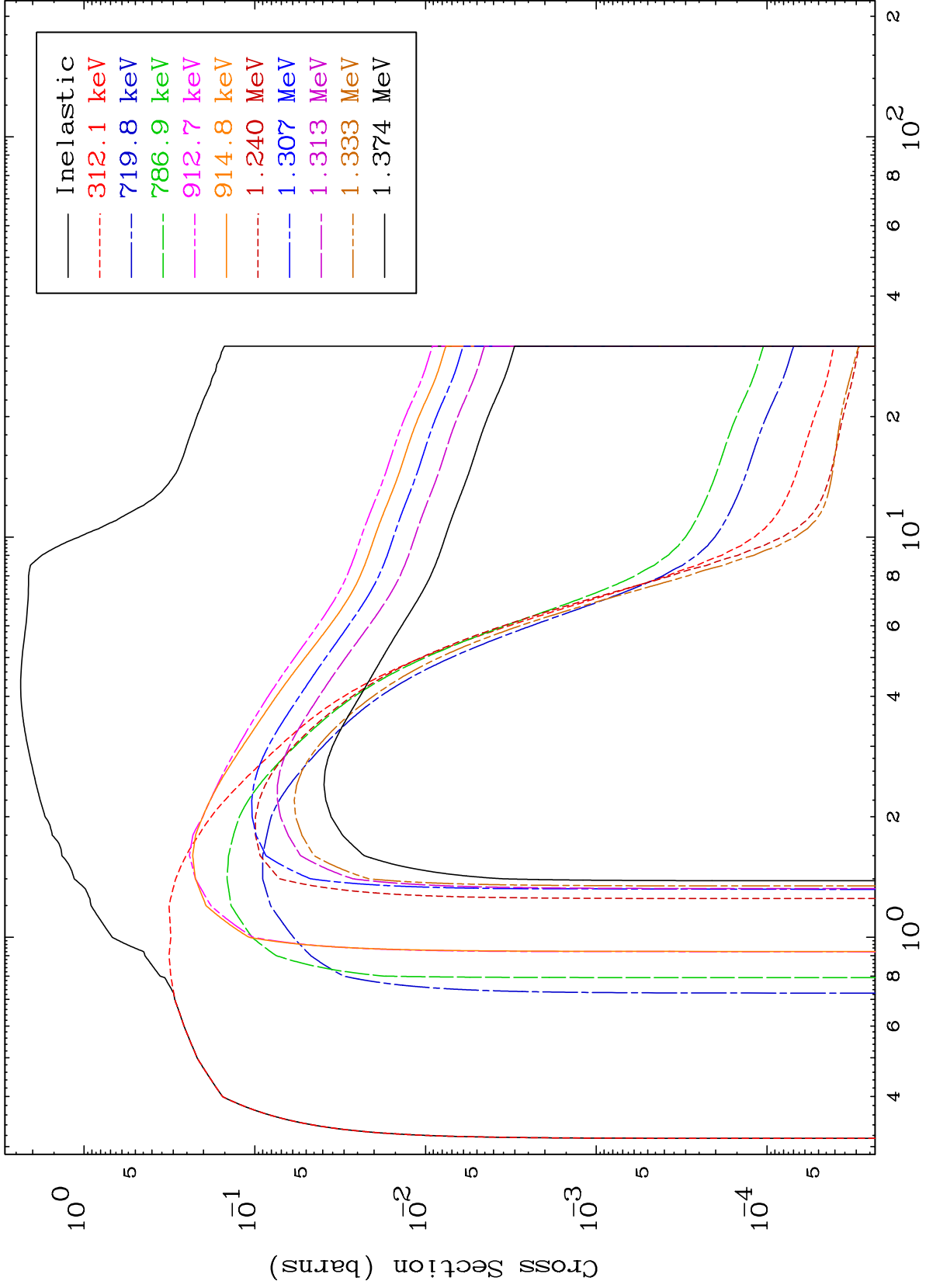








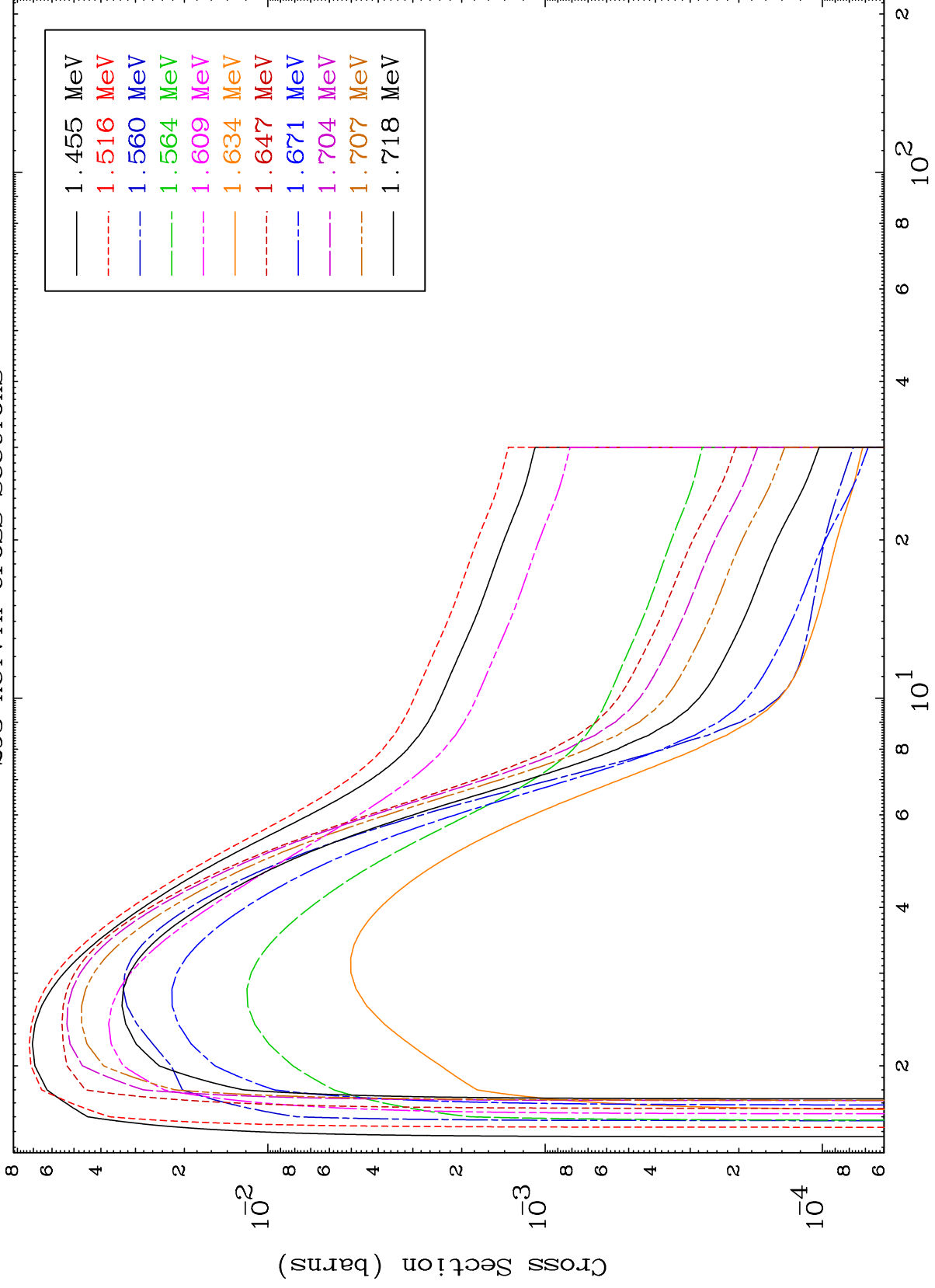




MAT 5343

(n,n') Level
293 Kelvin Cross Sections

53-I -133

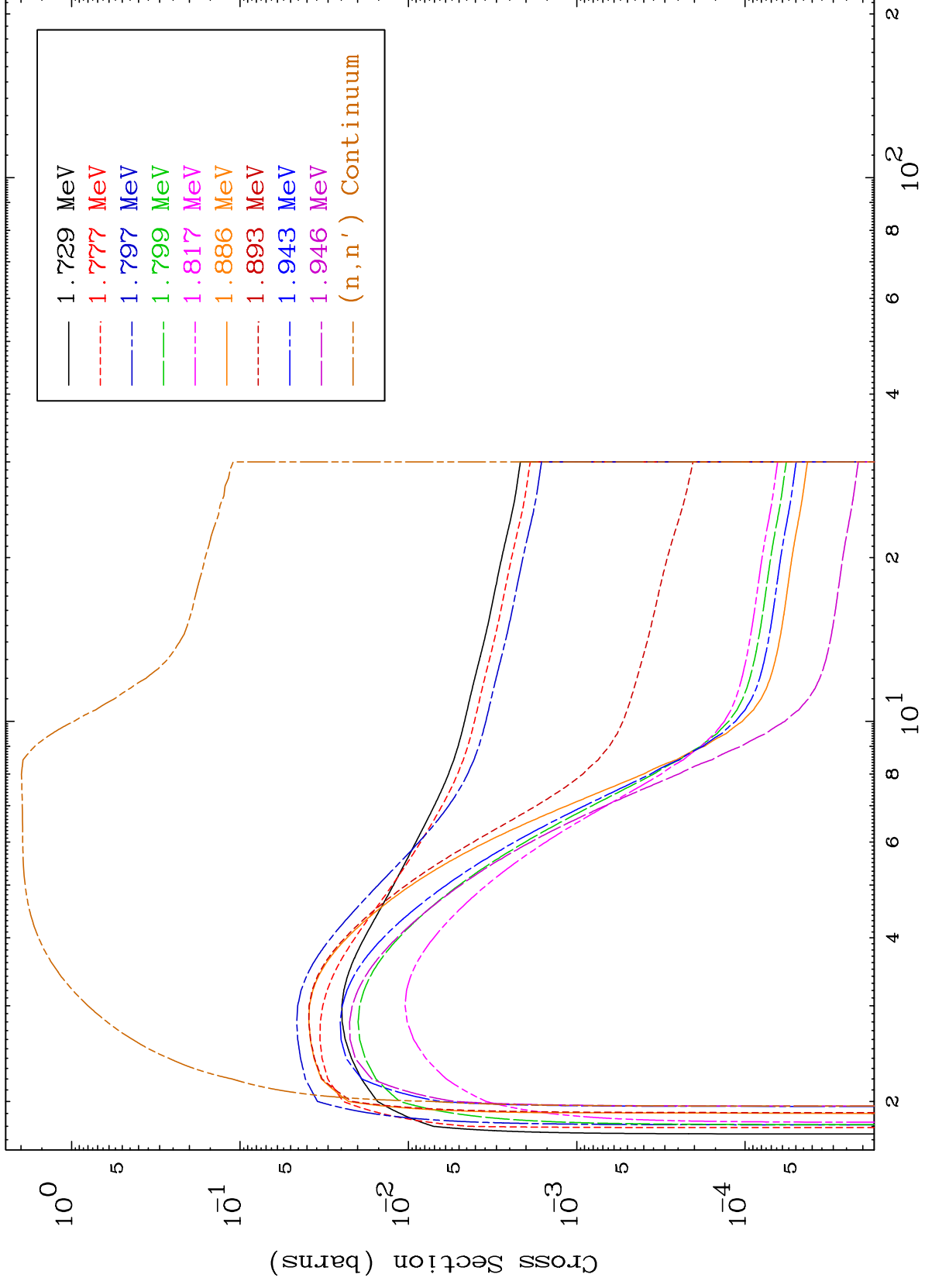


8

Incident Energy (MeV)

53-I -133

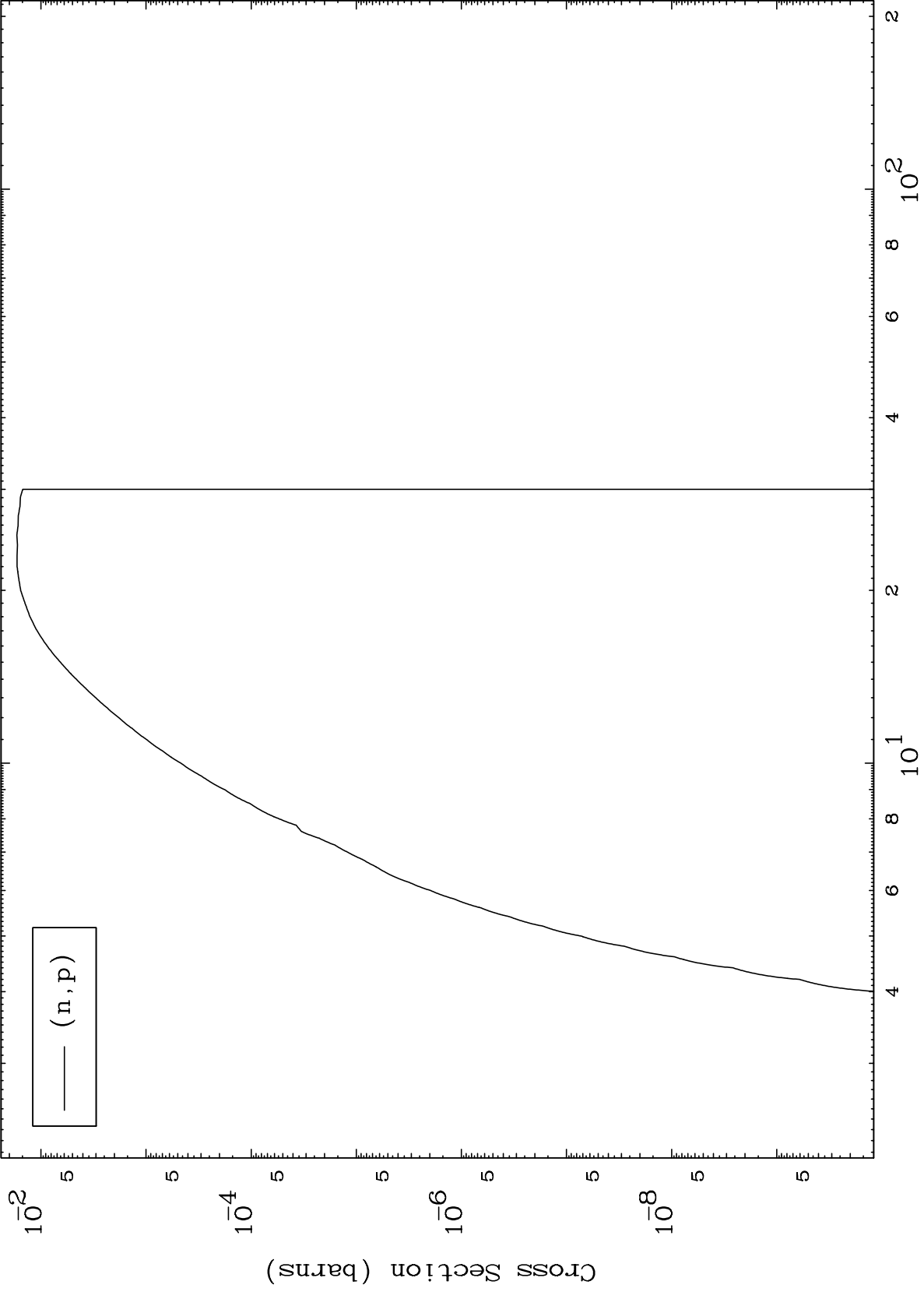
293 Kelvin Cross Sections



MAT 5343

(n,p) Levels
293 Kelvin Cross Sections

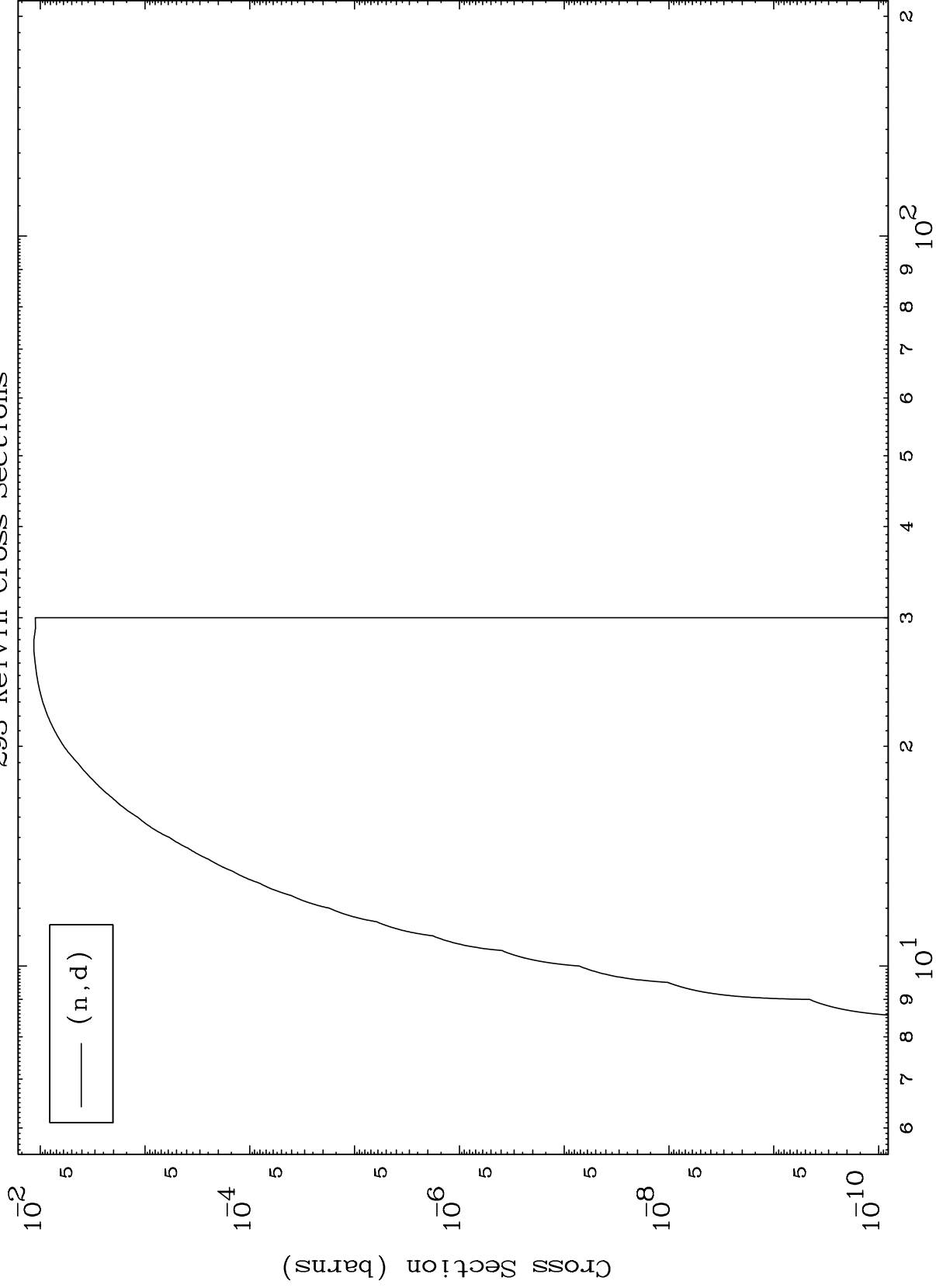
53-I -133

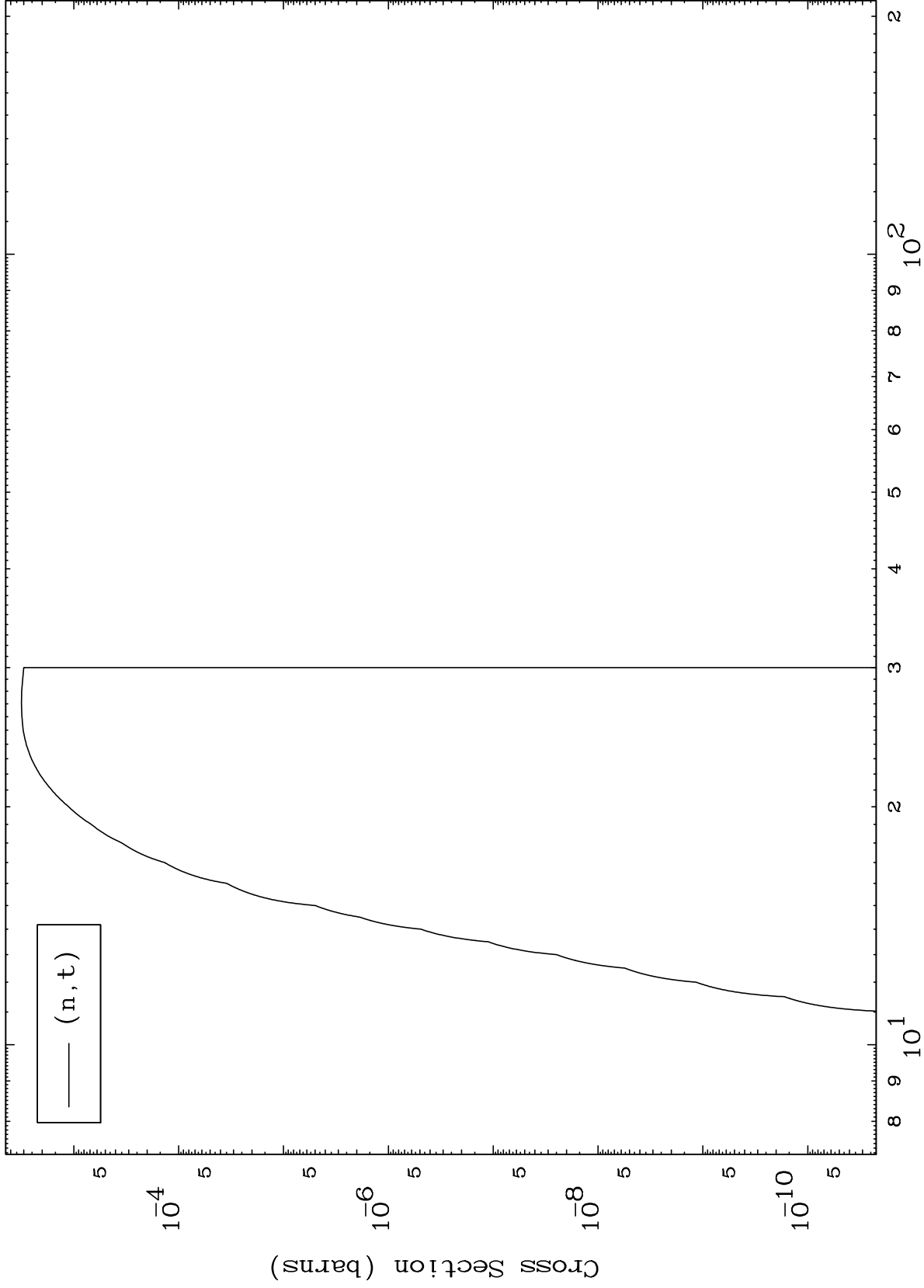


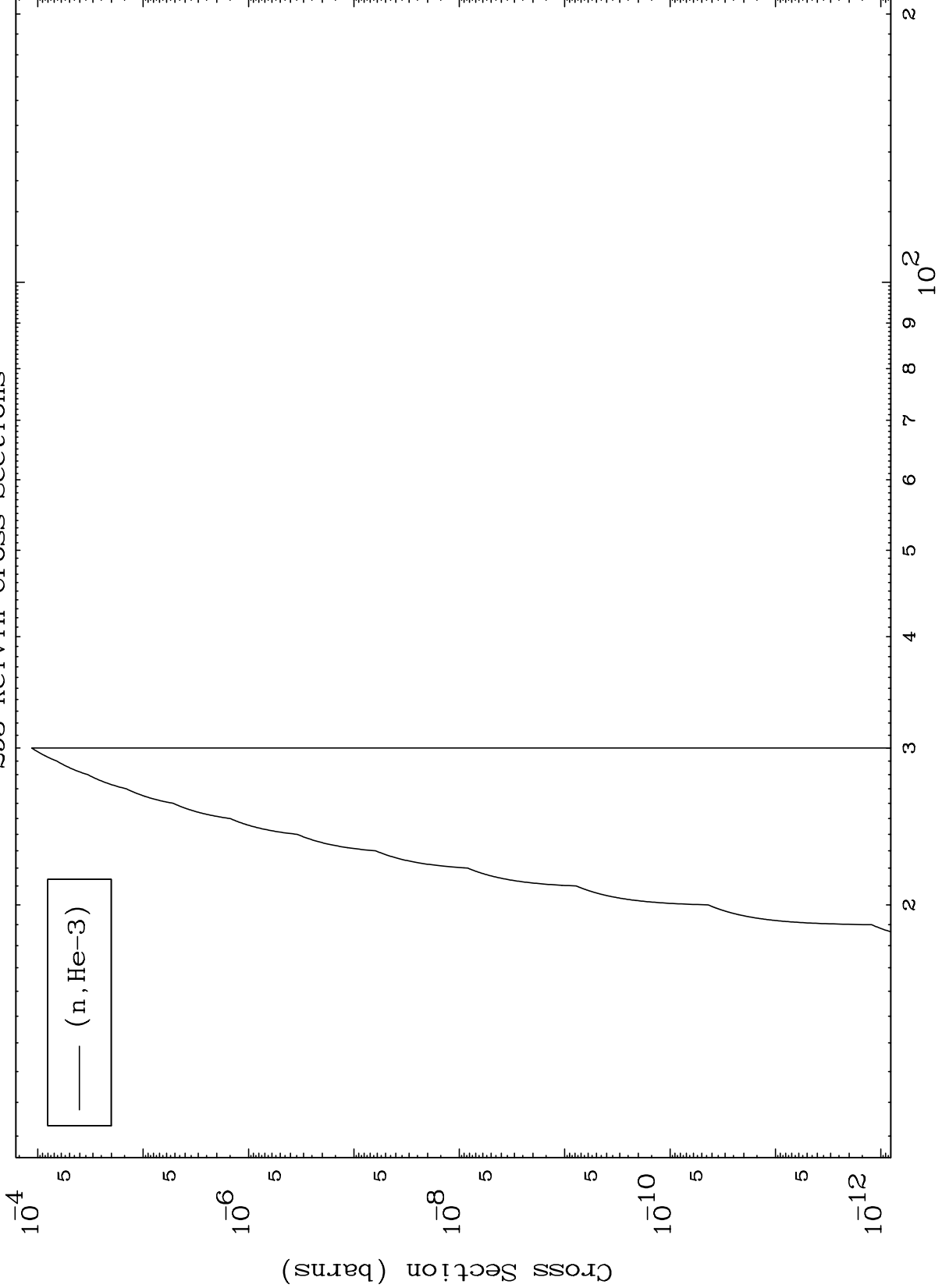
10

Incident Energy (MeV)

53-I -133



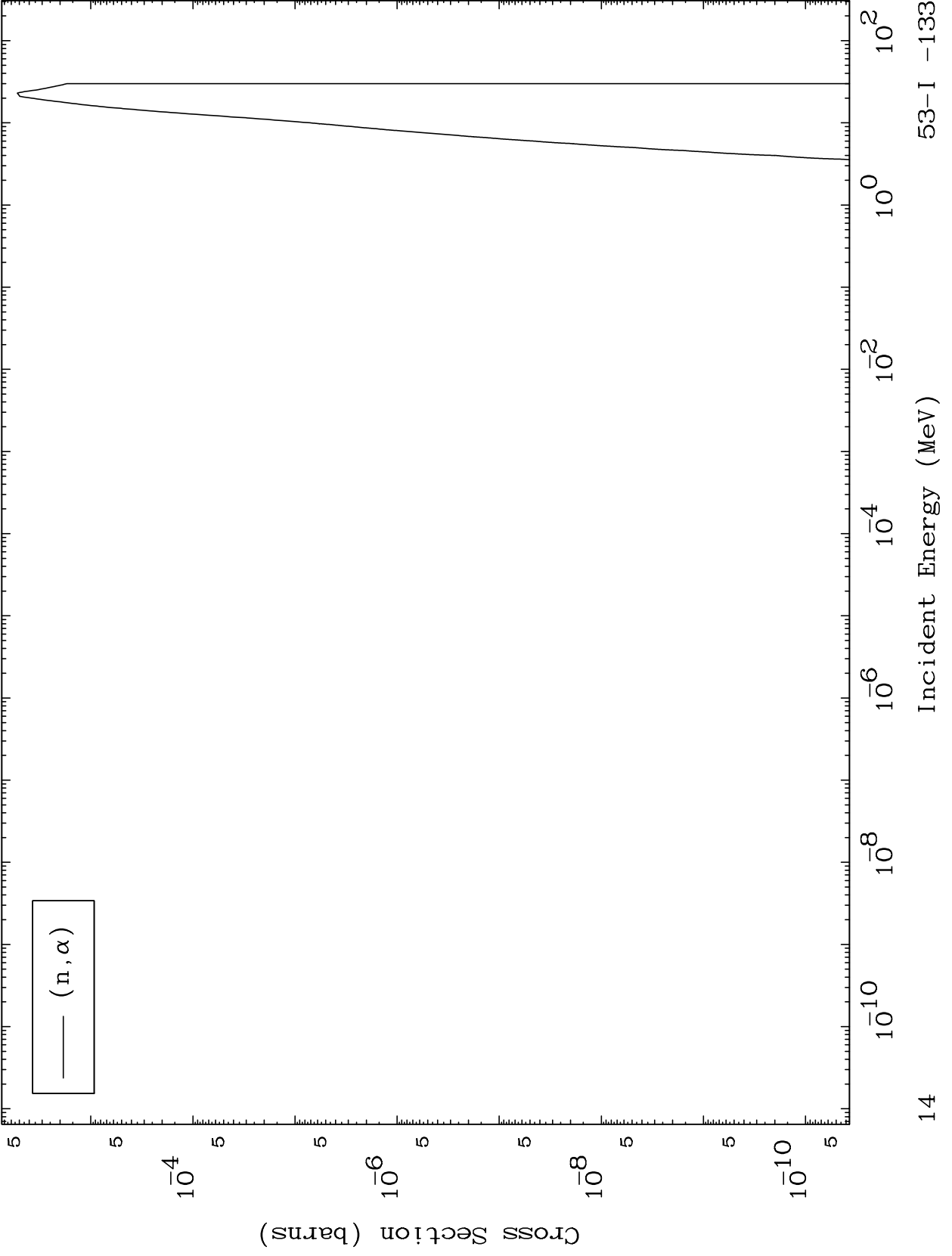


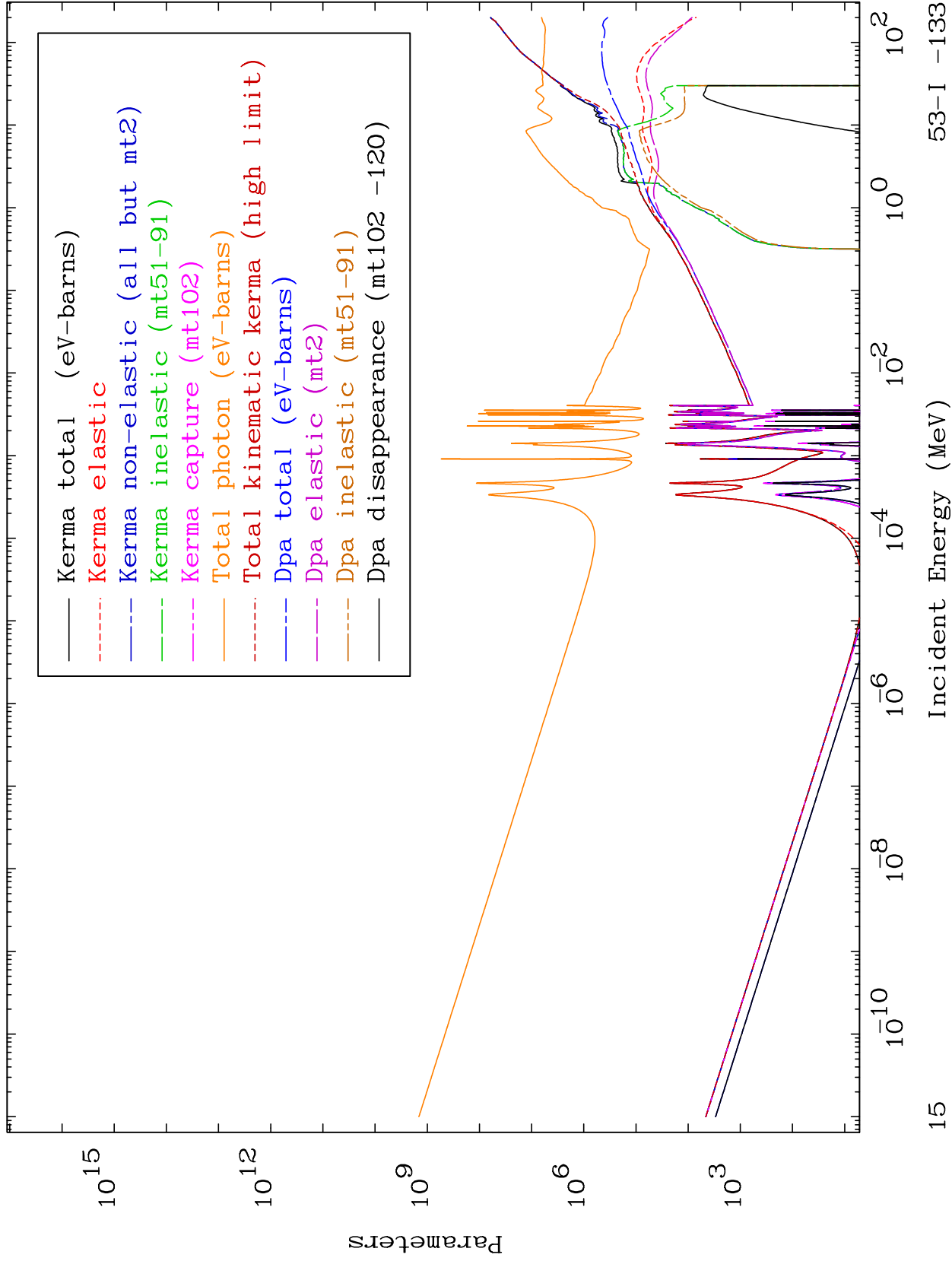


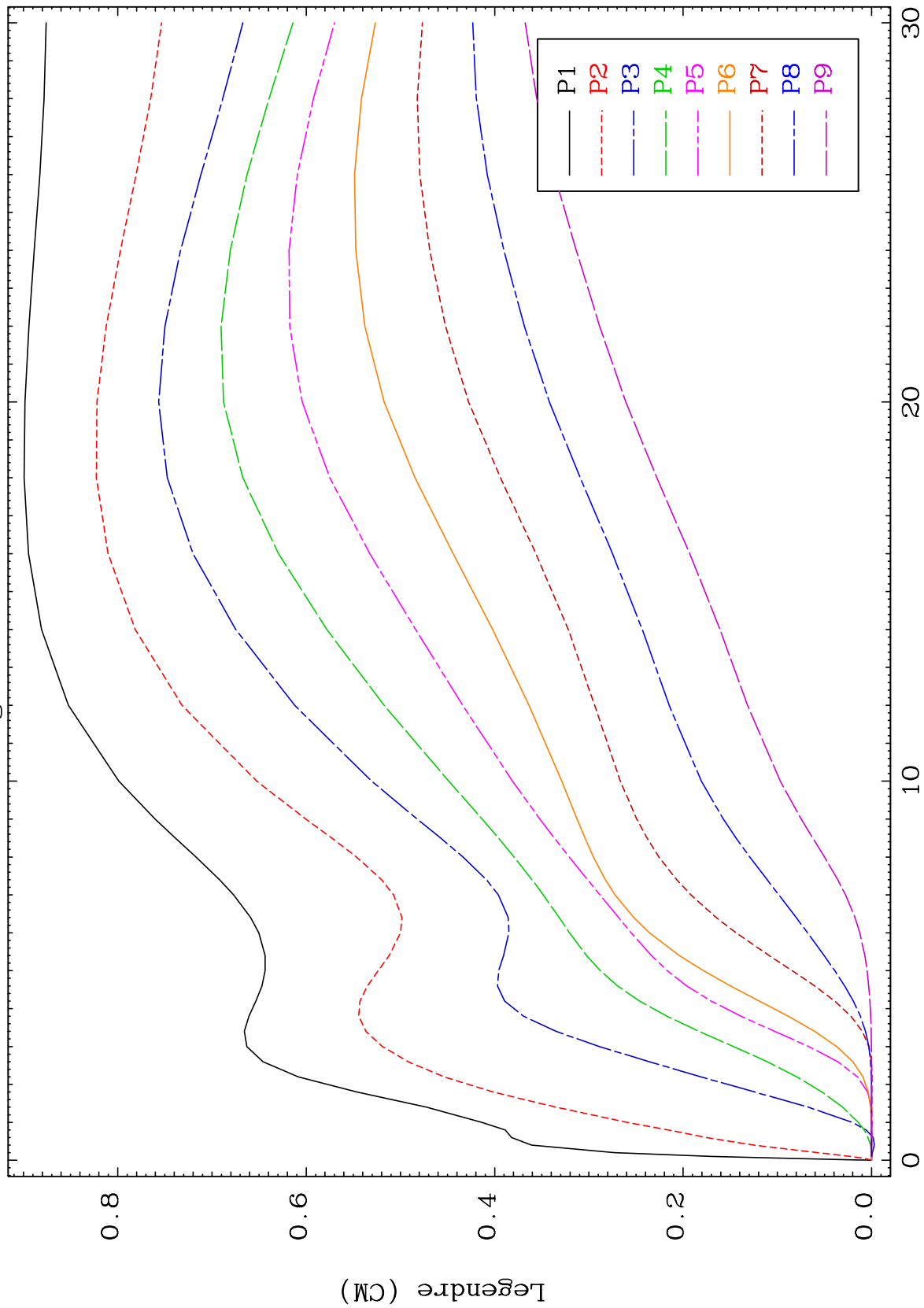
MAT 5343

(n, α) Levels
293 Kelvin Cross Sections

53-I -133



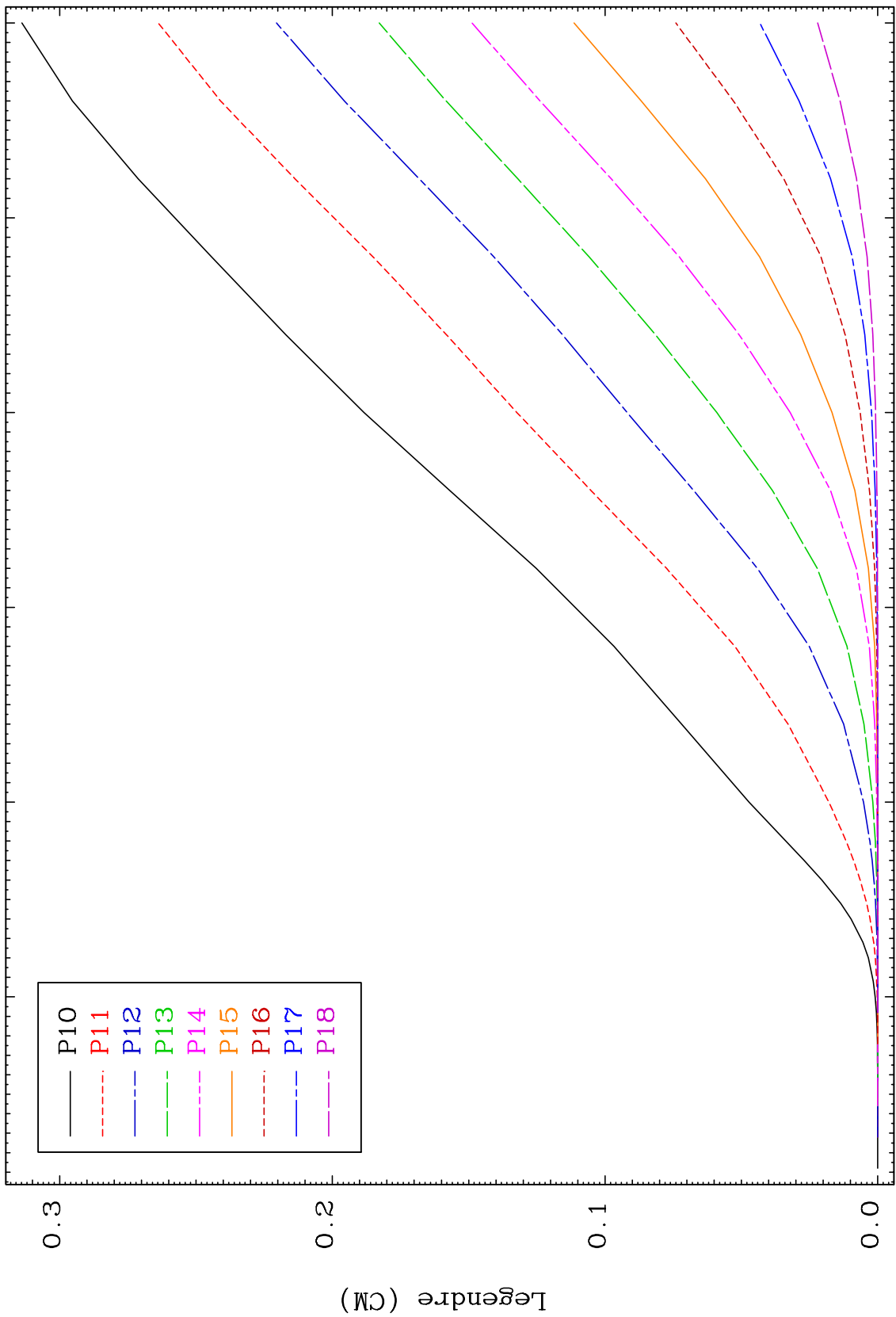




MAT 5343

Elastic Legendre Coefficients

53-I -133



17

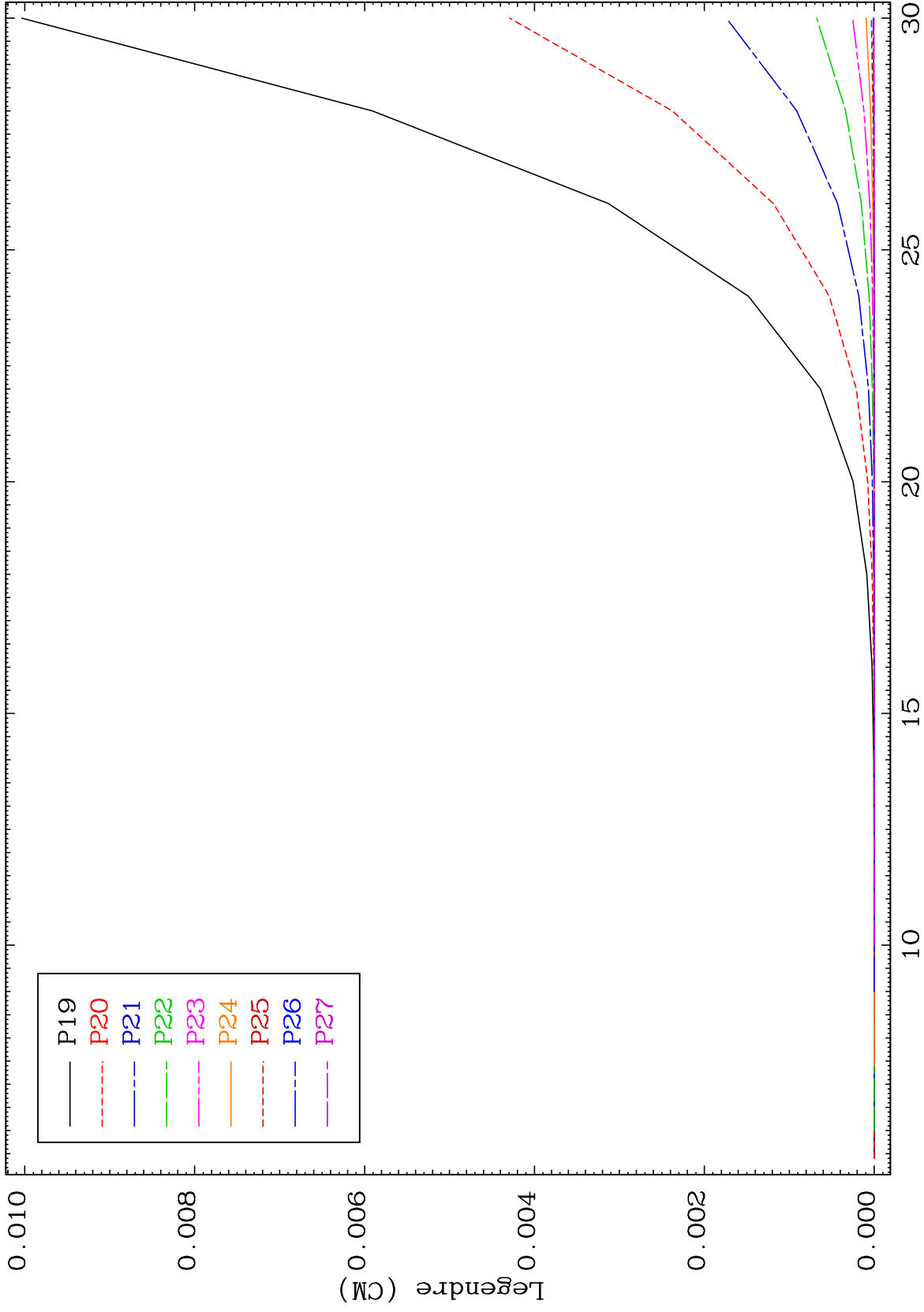
Incident Energy (MeV)

53-I -133

MAT 5343

Elastic Legendre Coefficients

53-I -133



18

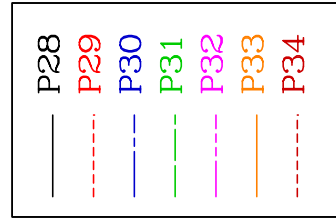
Incident Energy (MeV)

53-I -133

MAT 5343

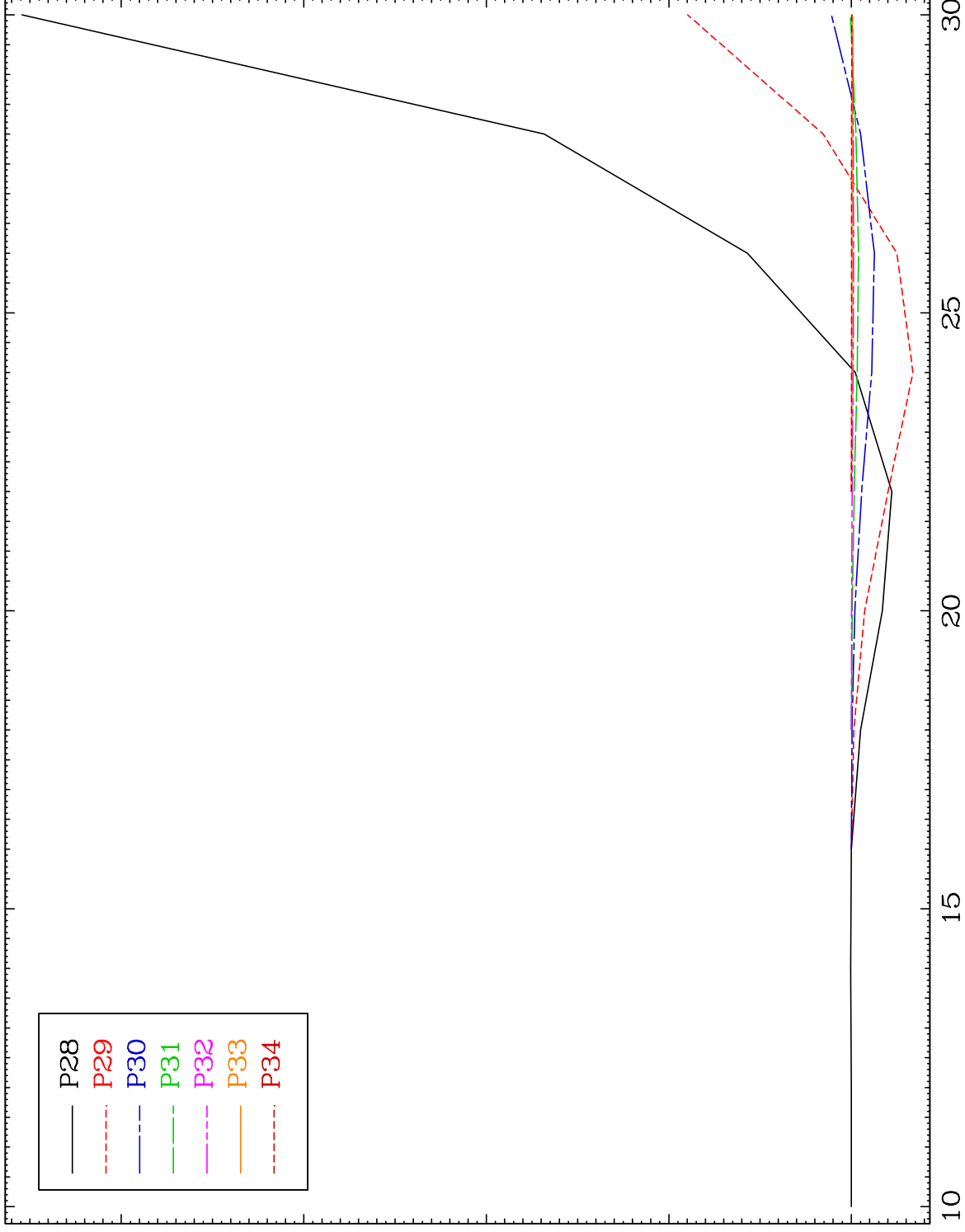
Elastic
Legendre Coefficients

53-I -133



$\times 10^{-7}$

Legendre (CM)



10

15

20

25

30

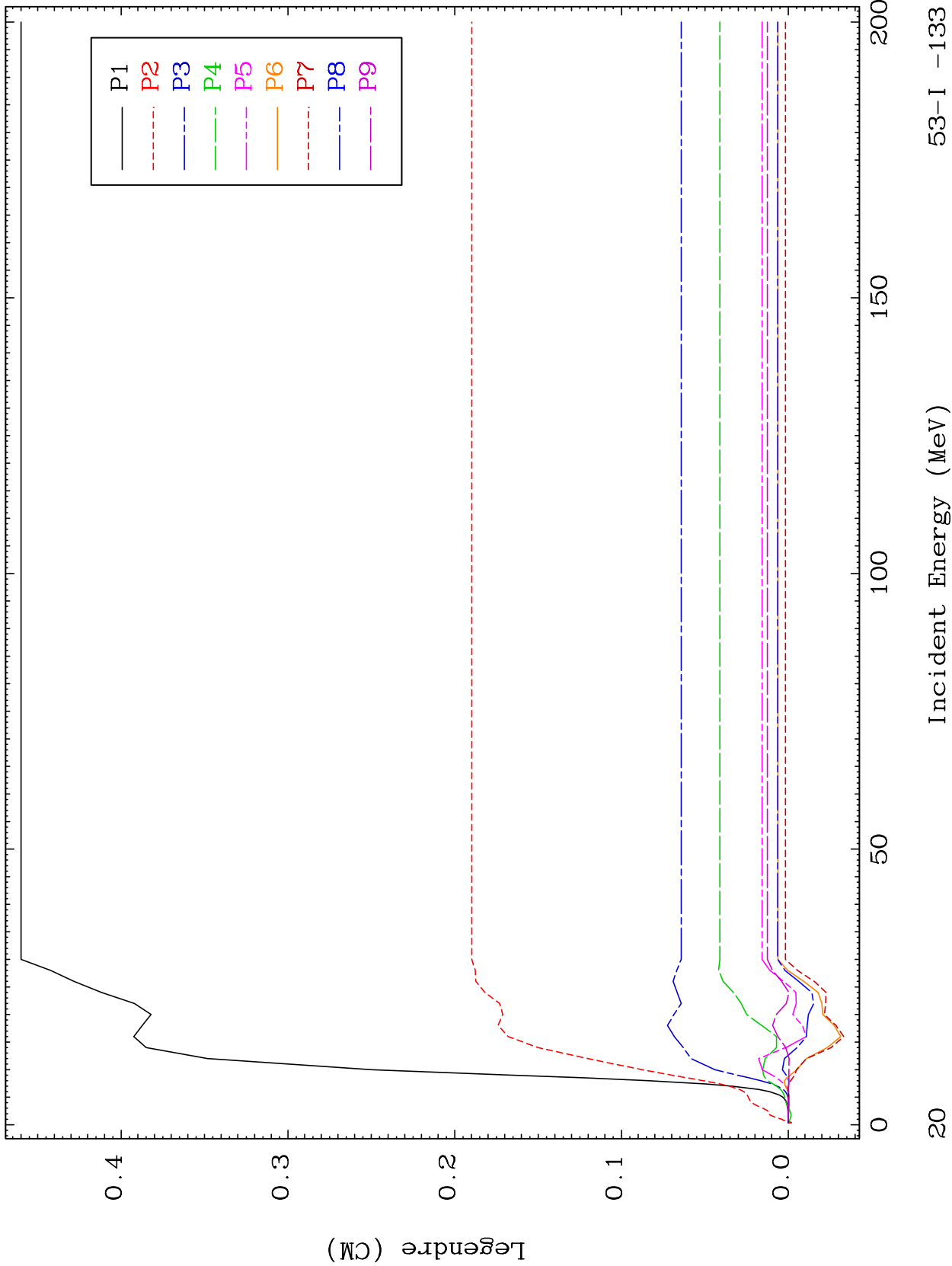
Incident Energy (MeV)

53-I -133

MAT 5343

312.1 keV (n,n') Level
Legendre Coefficients

53-I -133



53-I -133

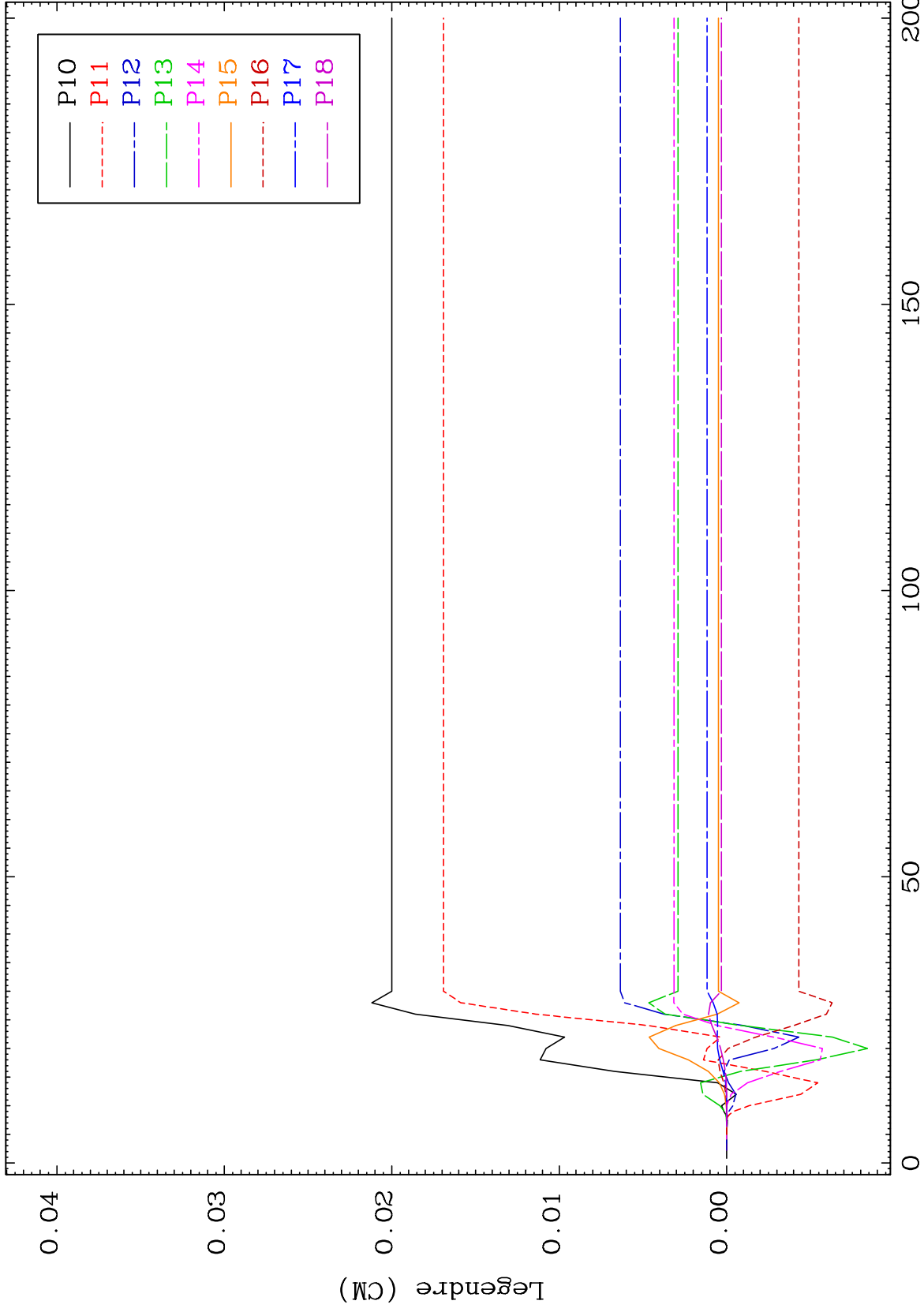
Incident Energy (MeV)

20

MAT 5343

312.1 keV (n,n') Level
Legendre Coefficients

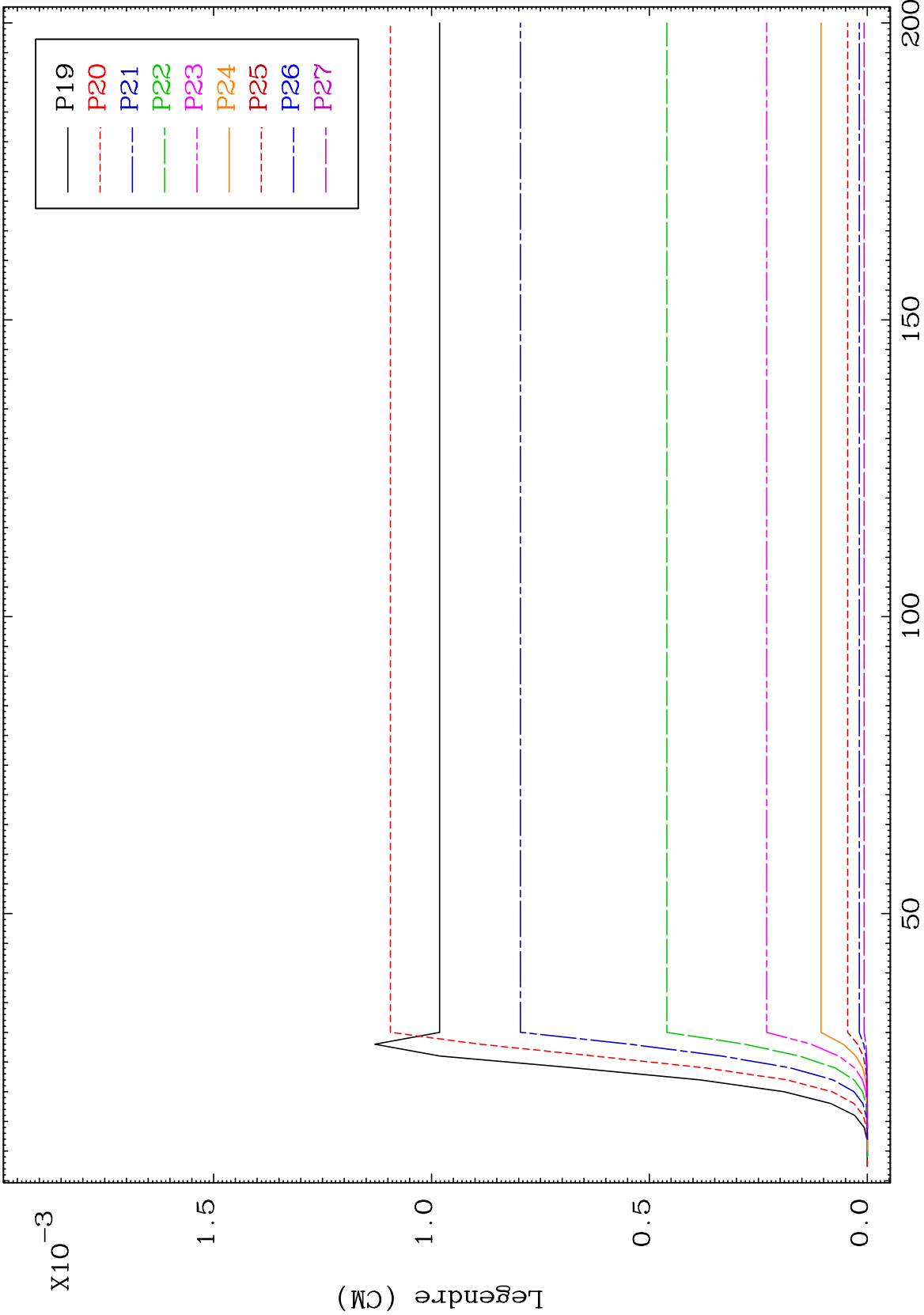
53-I -133

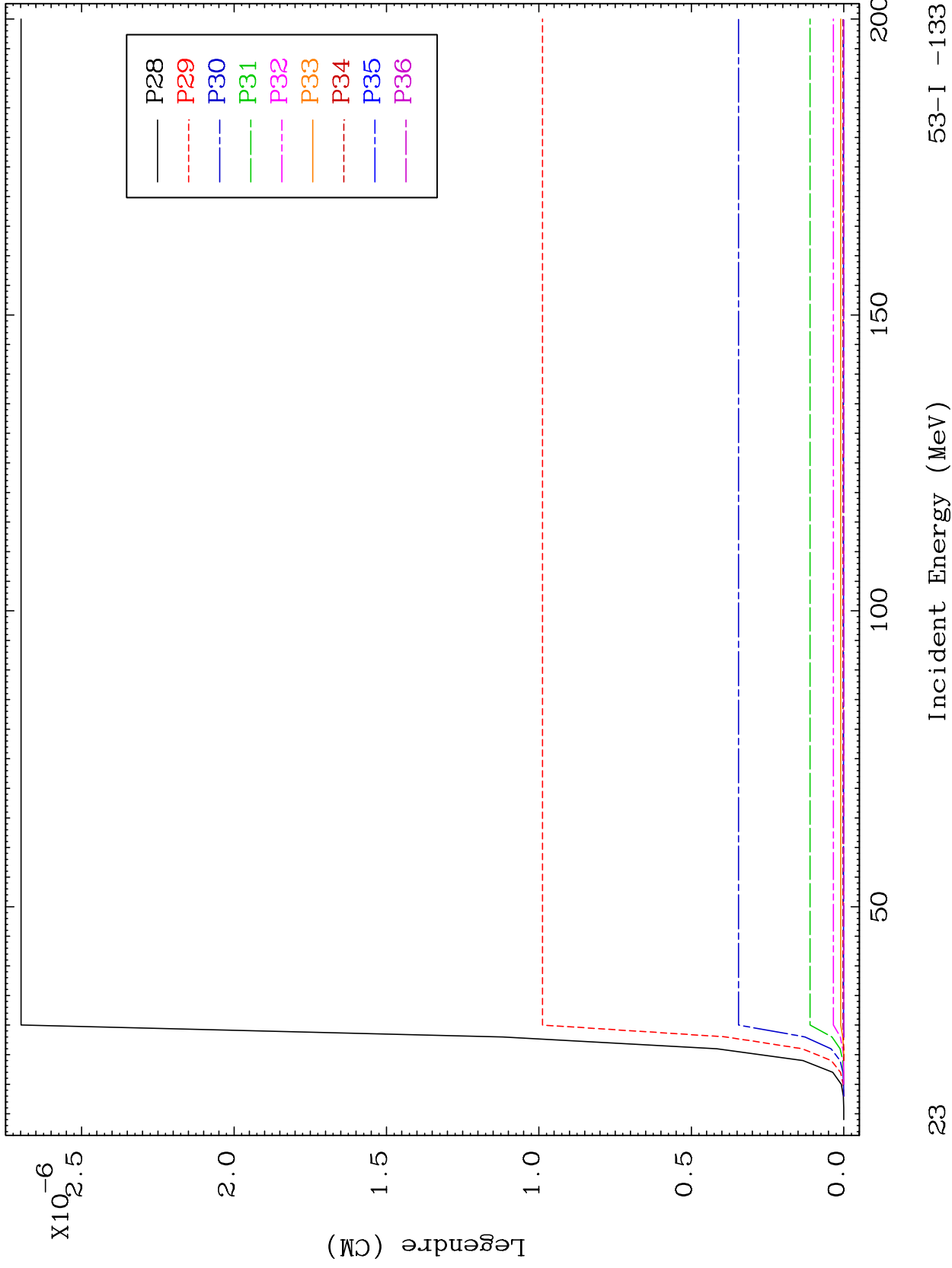


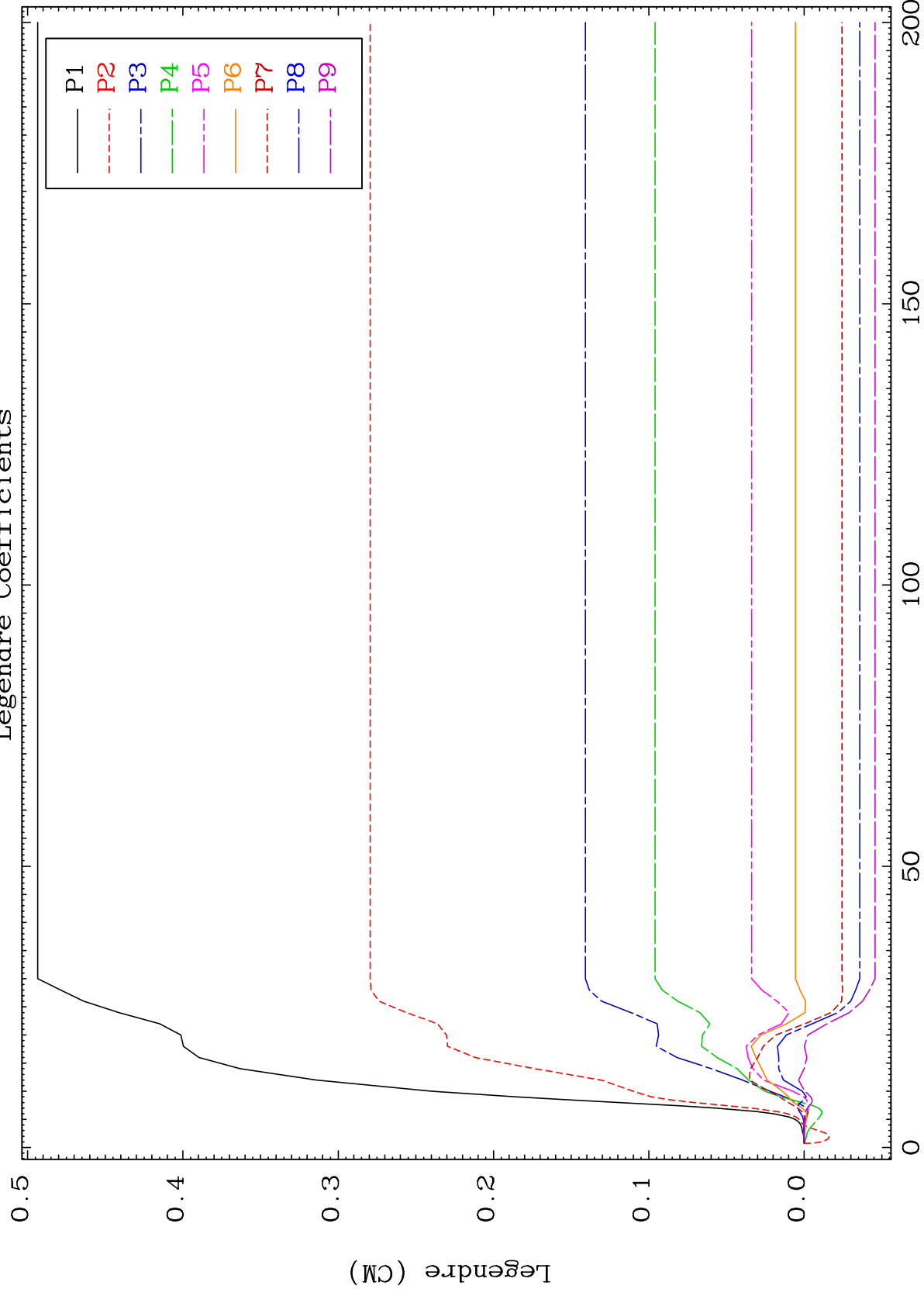
21

Incident Energy (MeV)

53-I -133



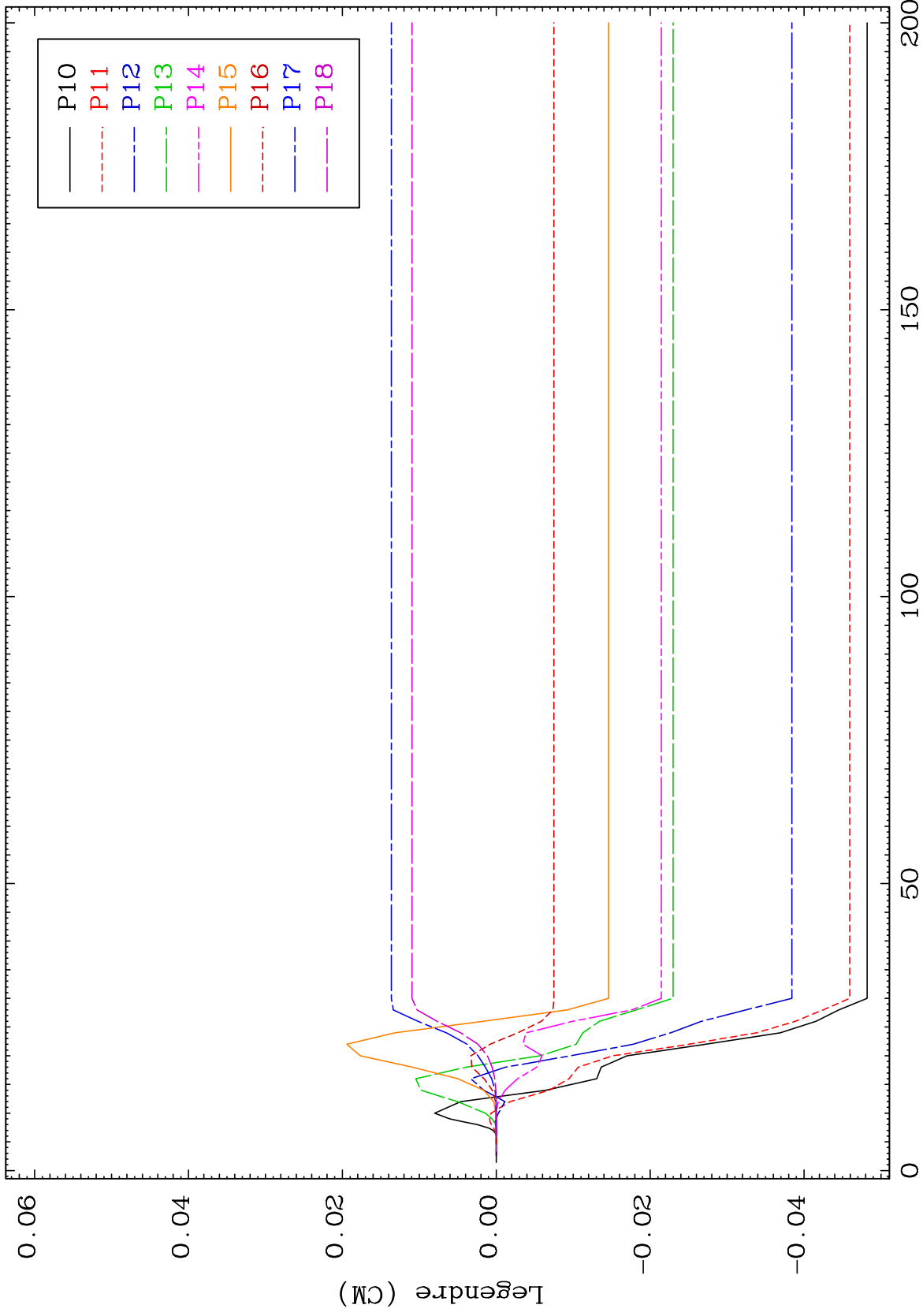




MAT 5343

719.8 keV (n,n') Level
Legendre Coefficients

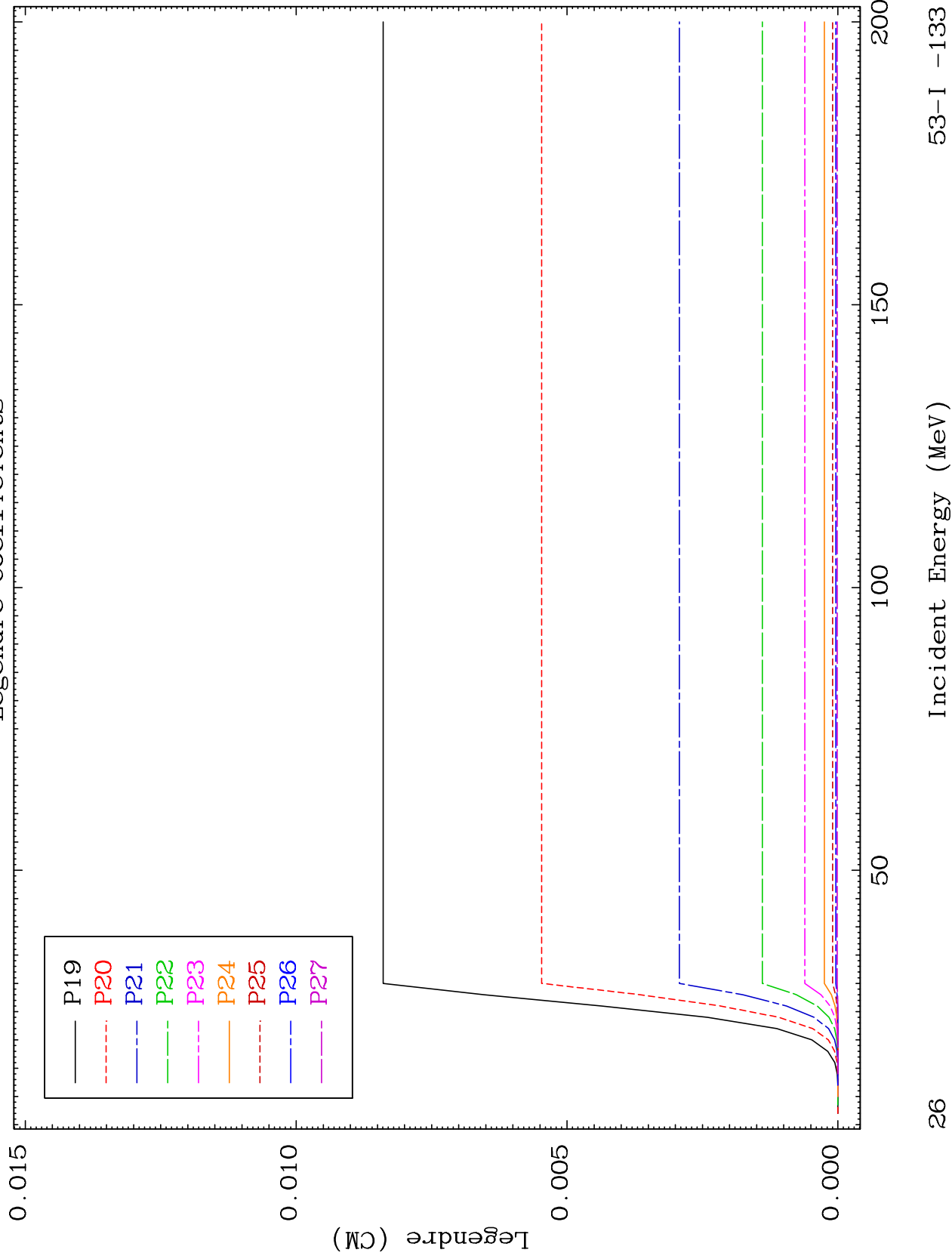
53-I -133

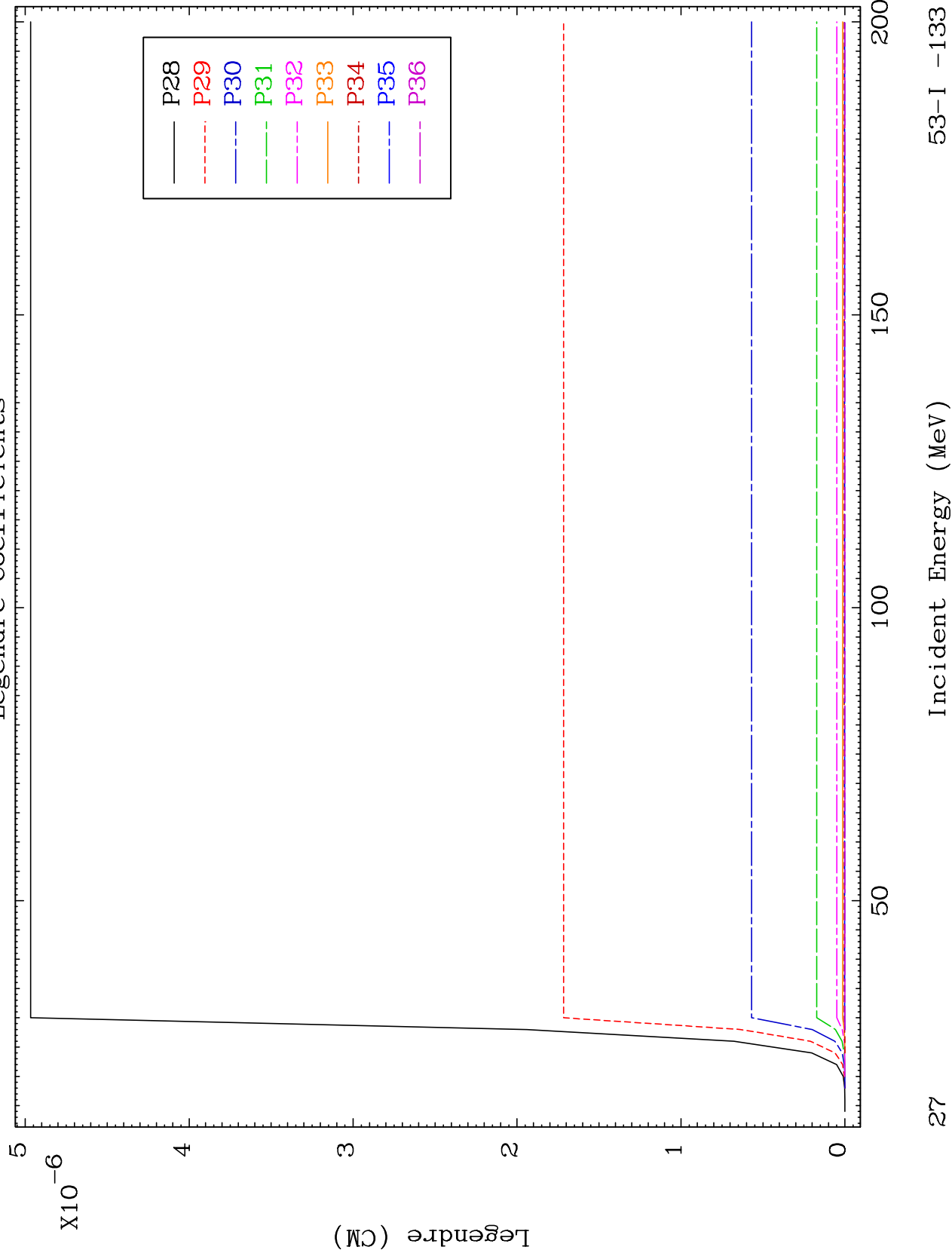


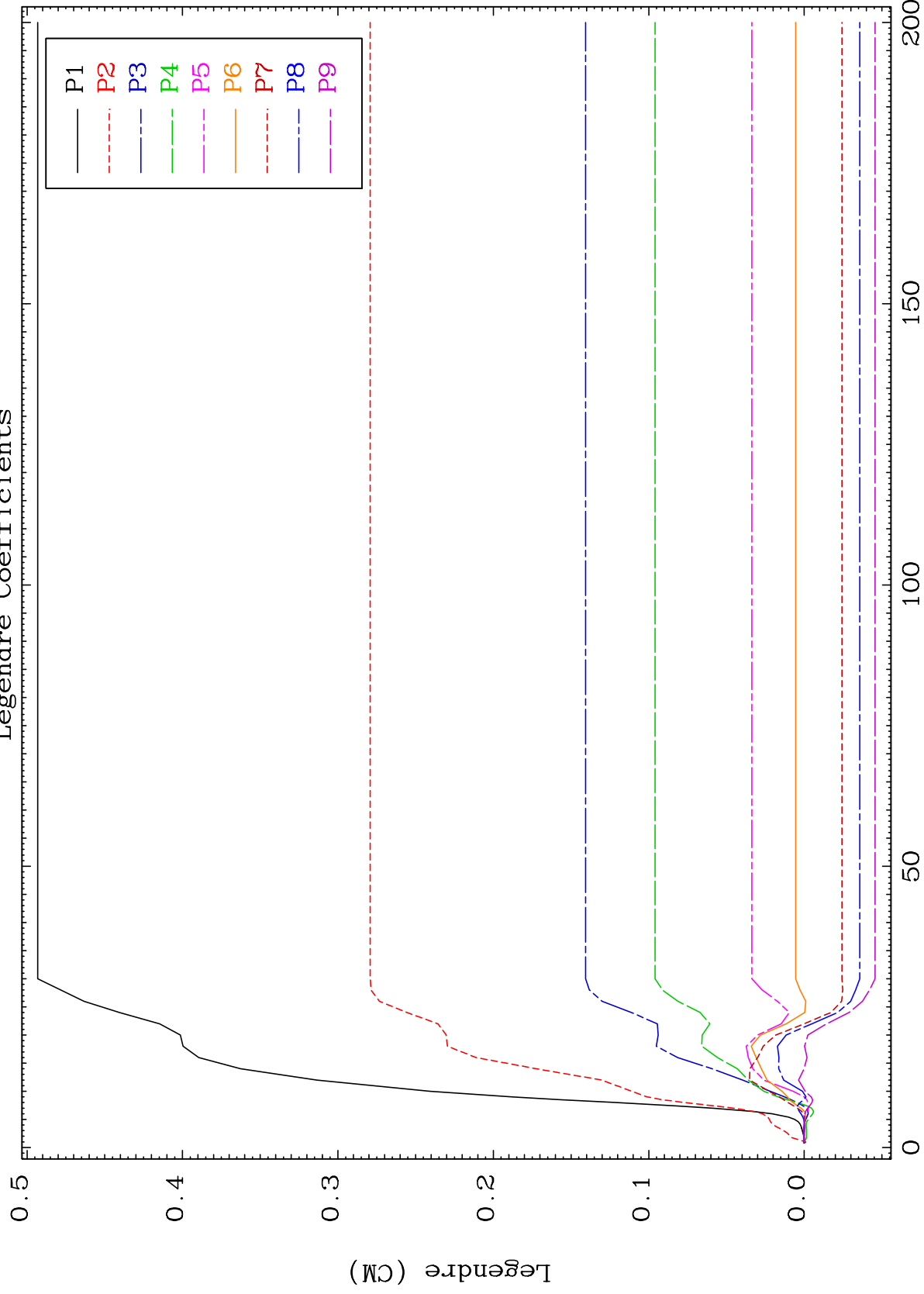
25

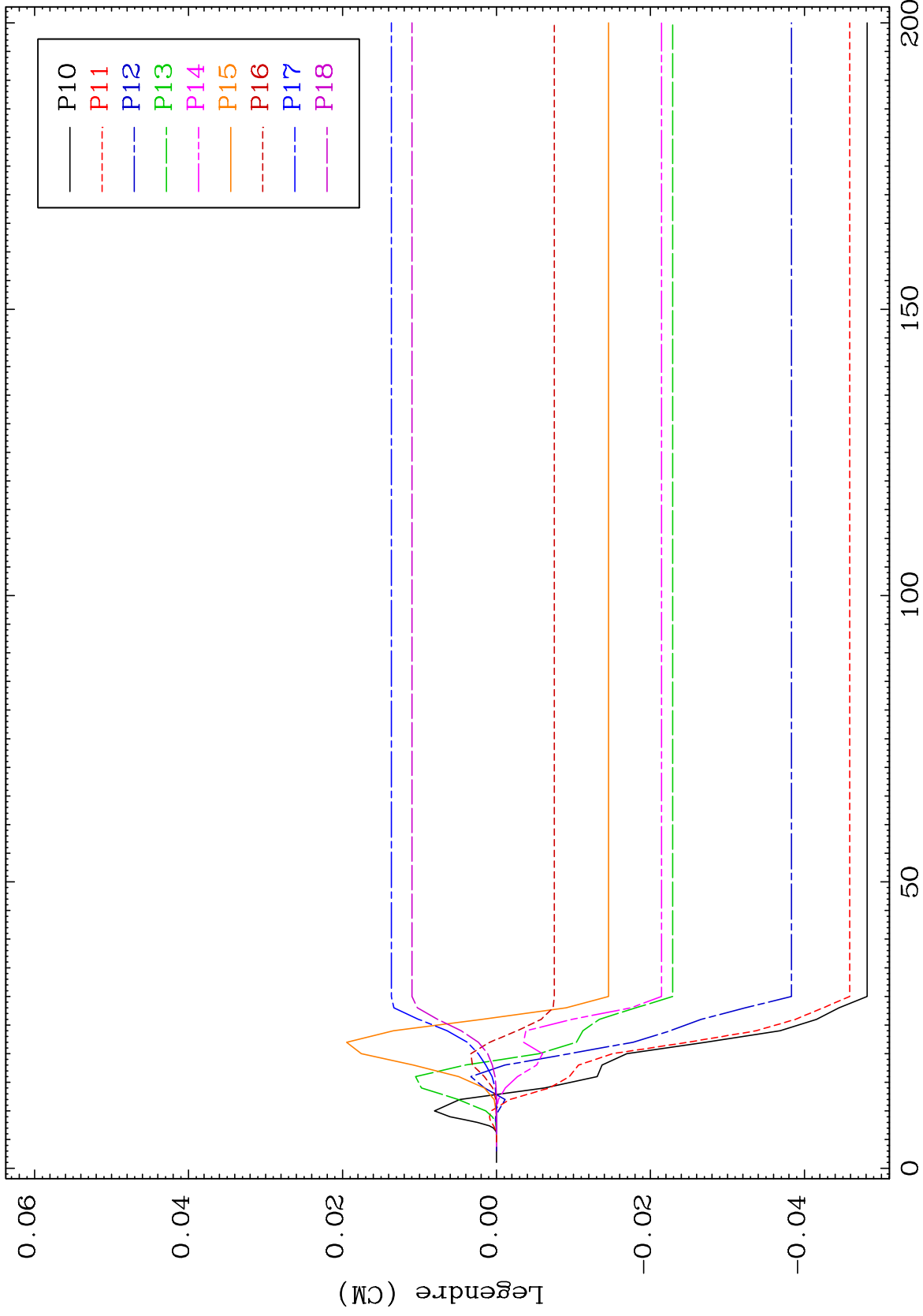
Incident Energy (MeV)

53-I -133





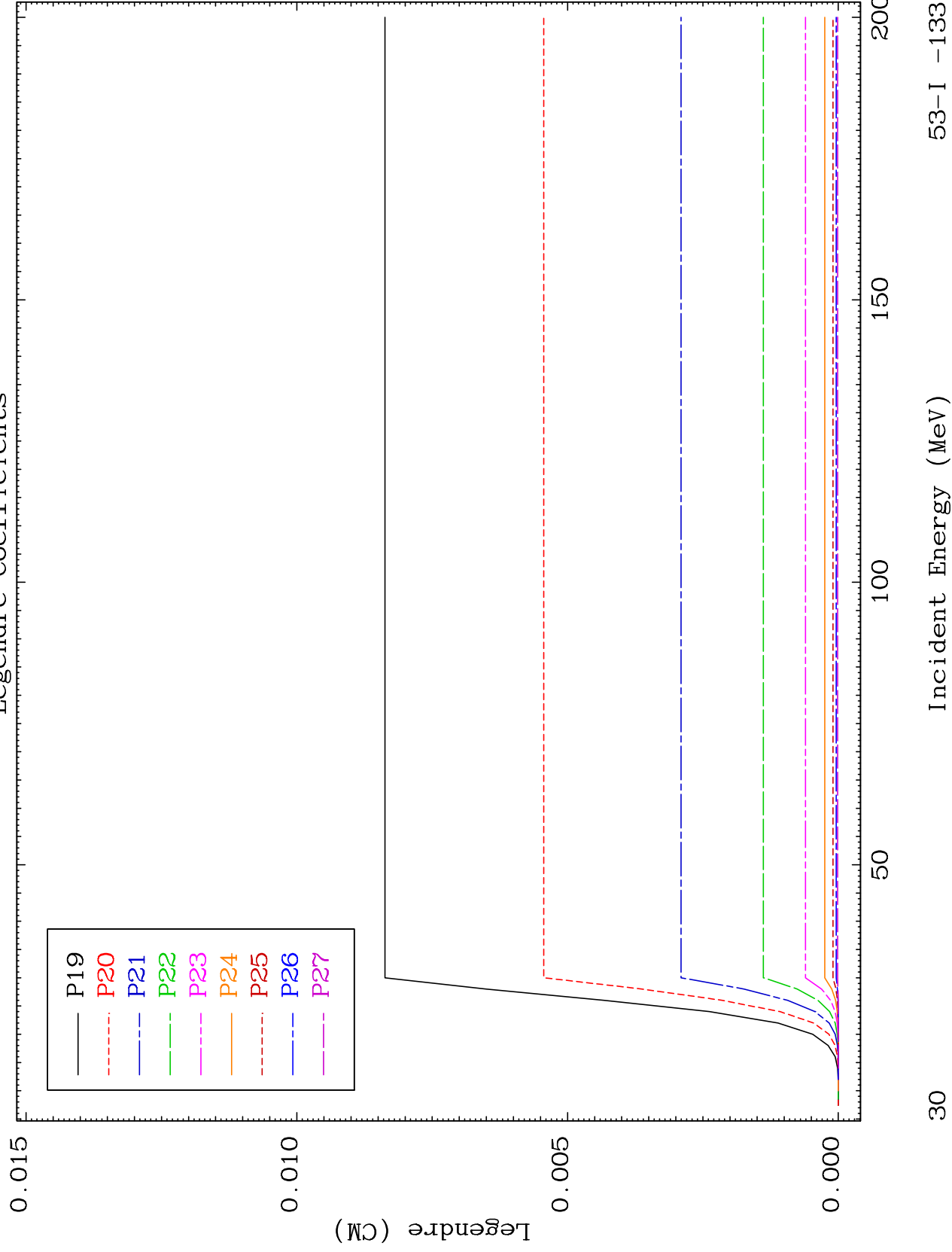


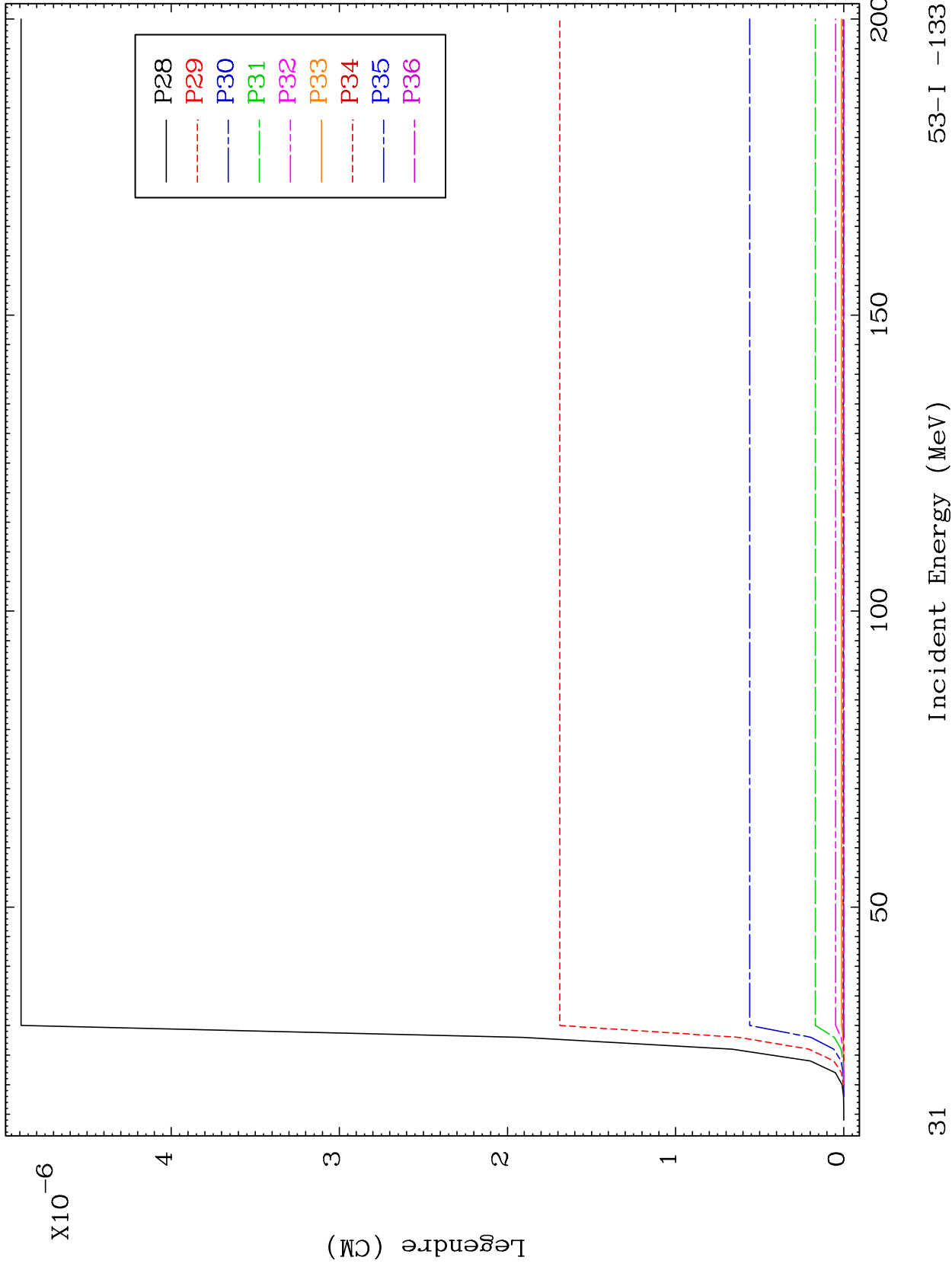


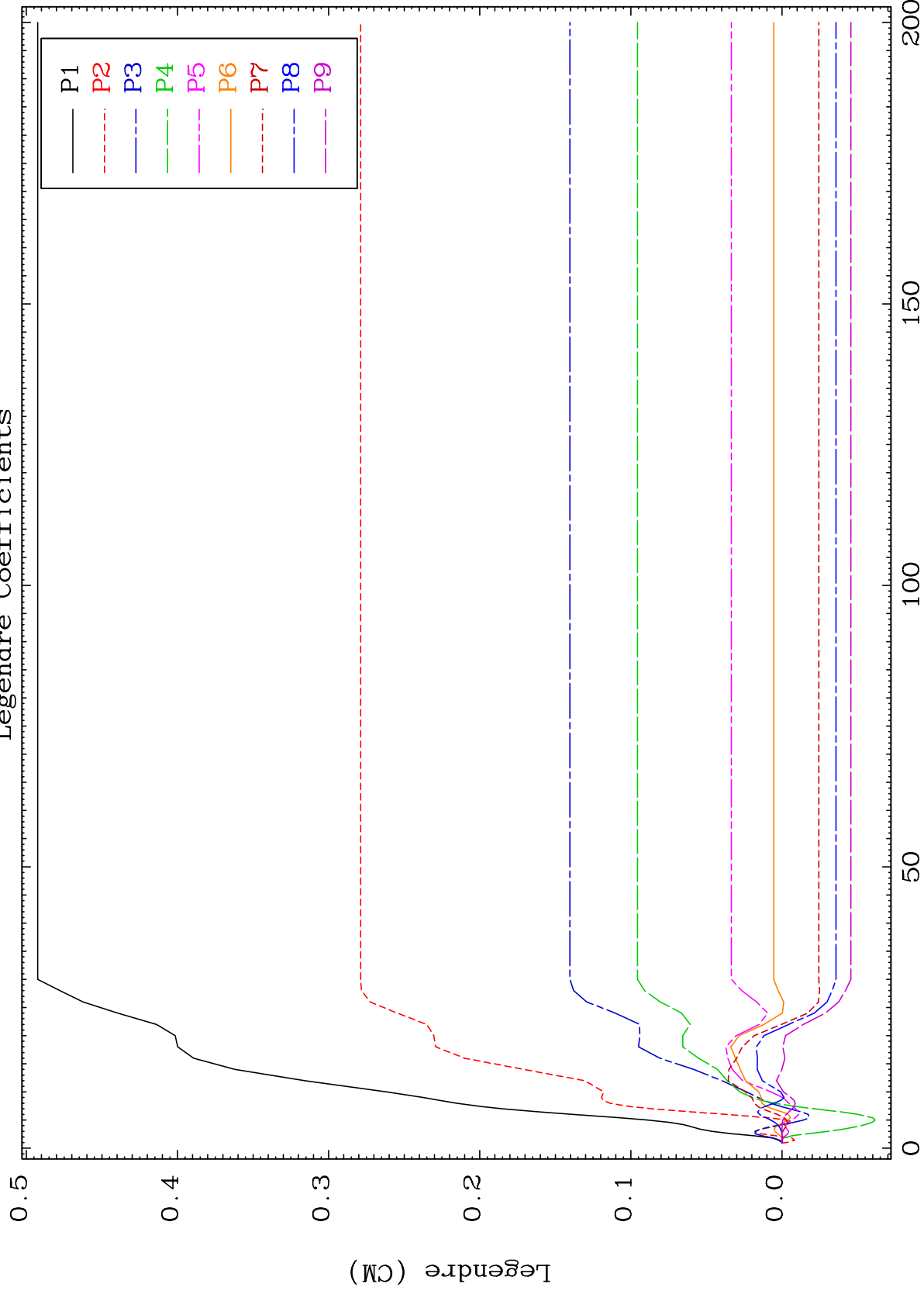
MAT 5343

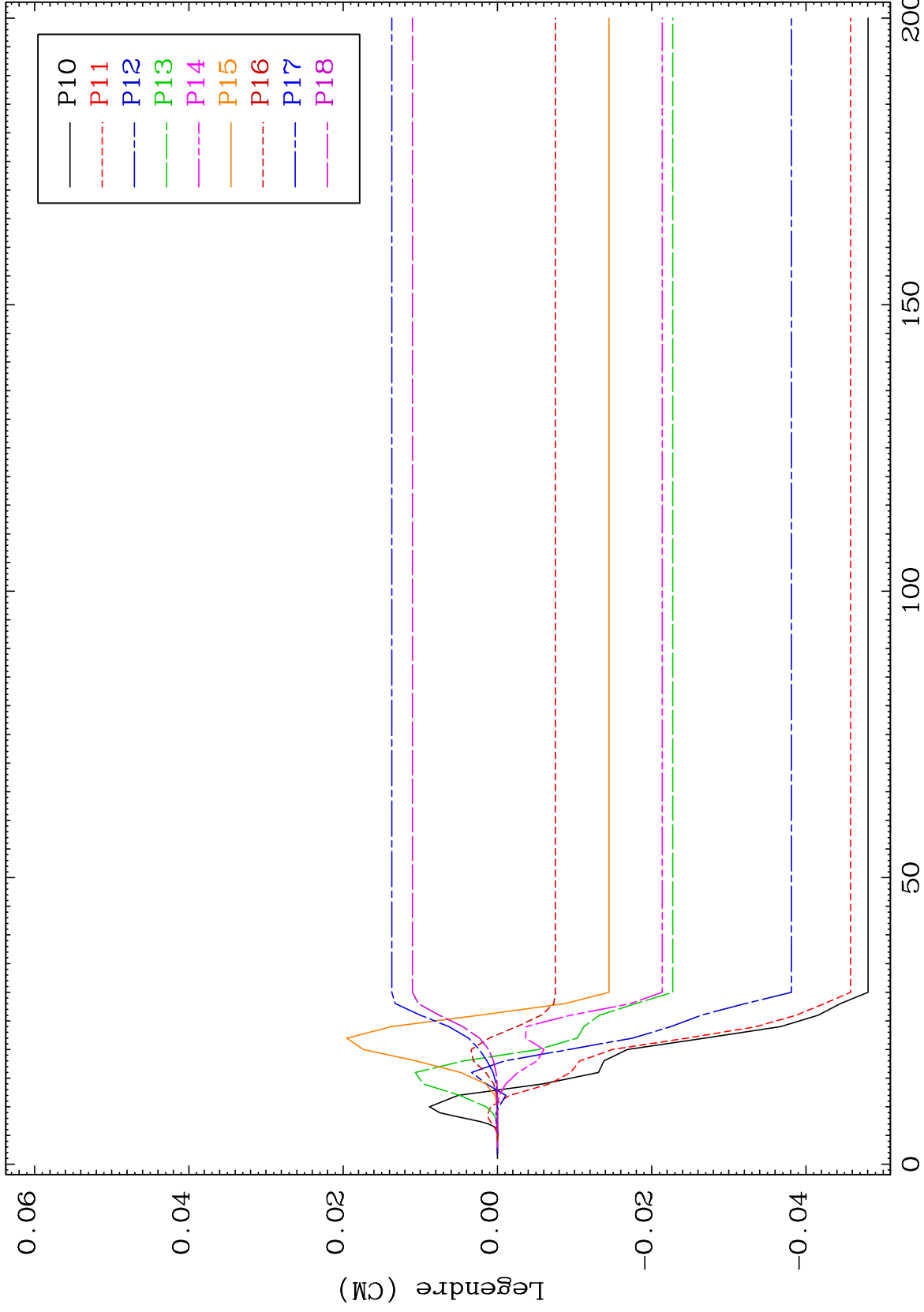
786.9 keV (n,n') Level
Legendre Coefficients

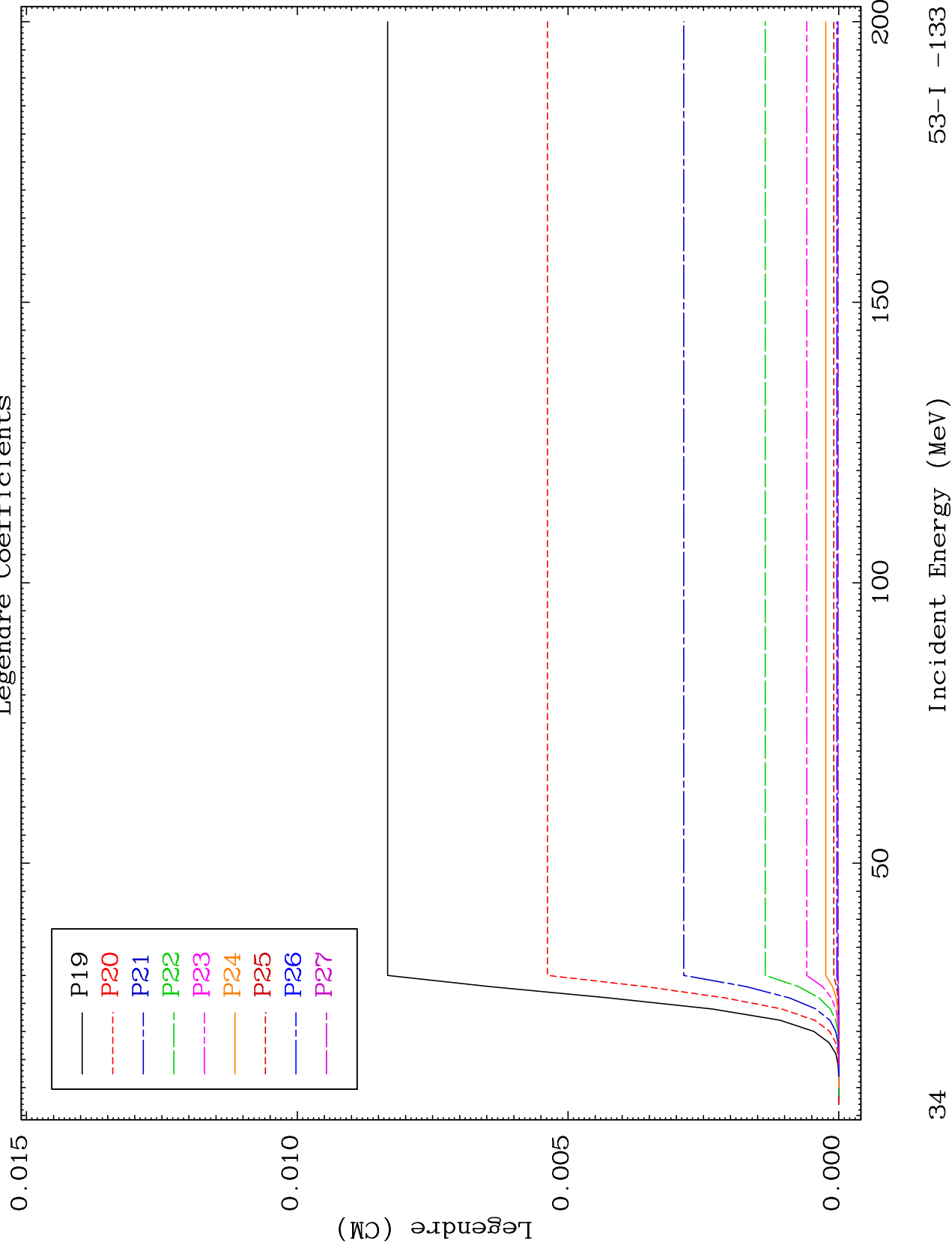
53-I -133







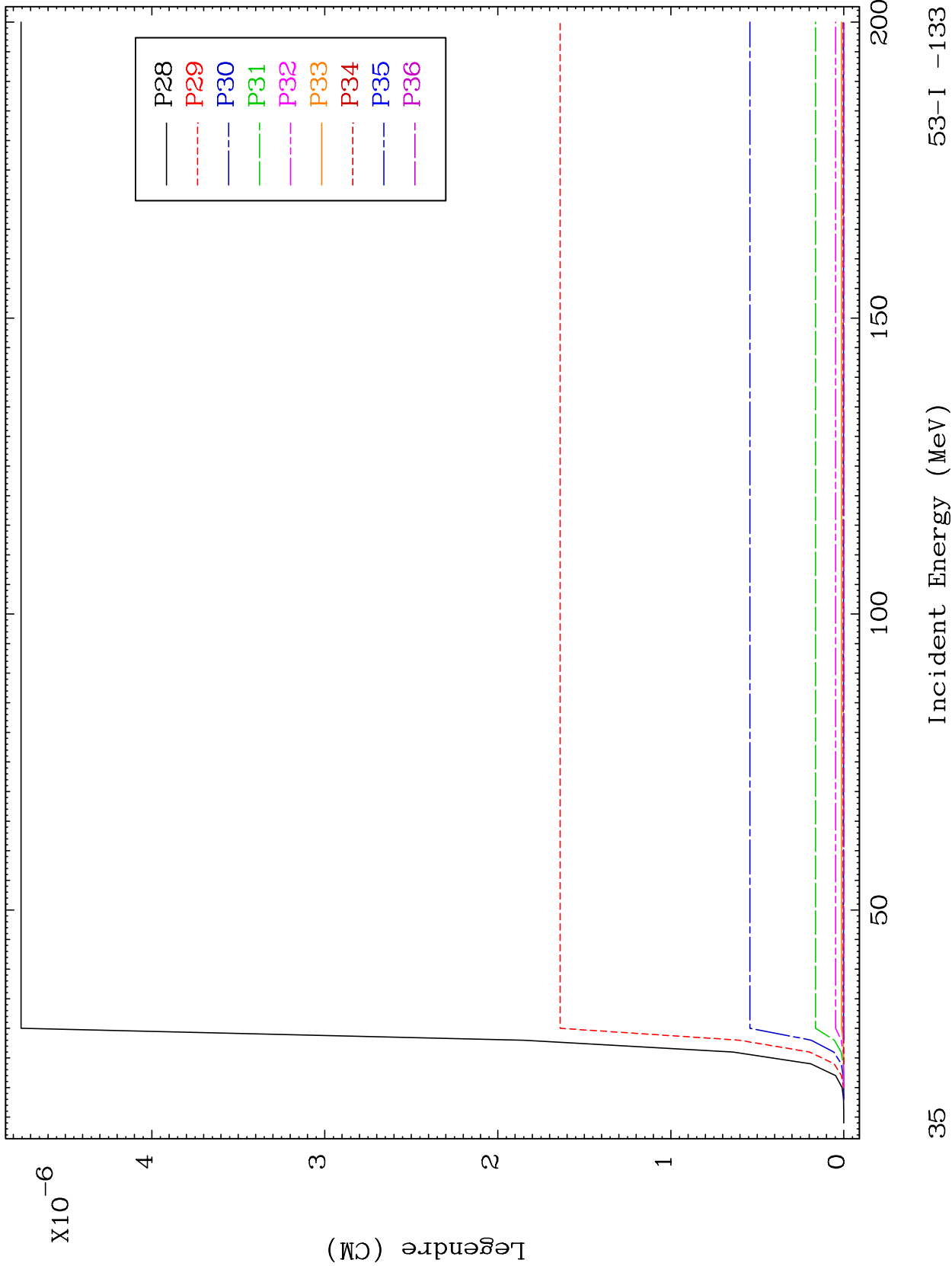




MAT 5343

912.7 keV (n,n') Level
Legendre Coefficients

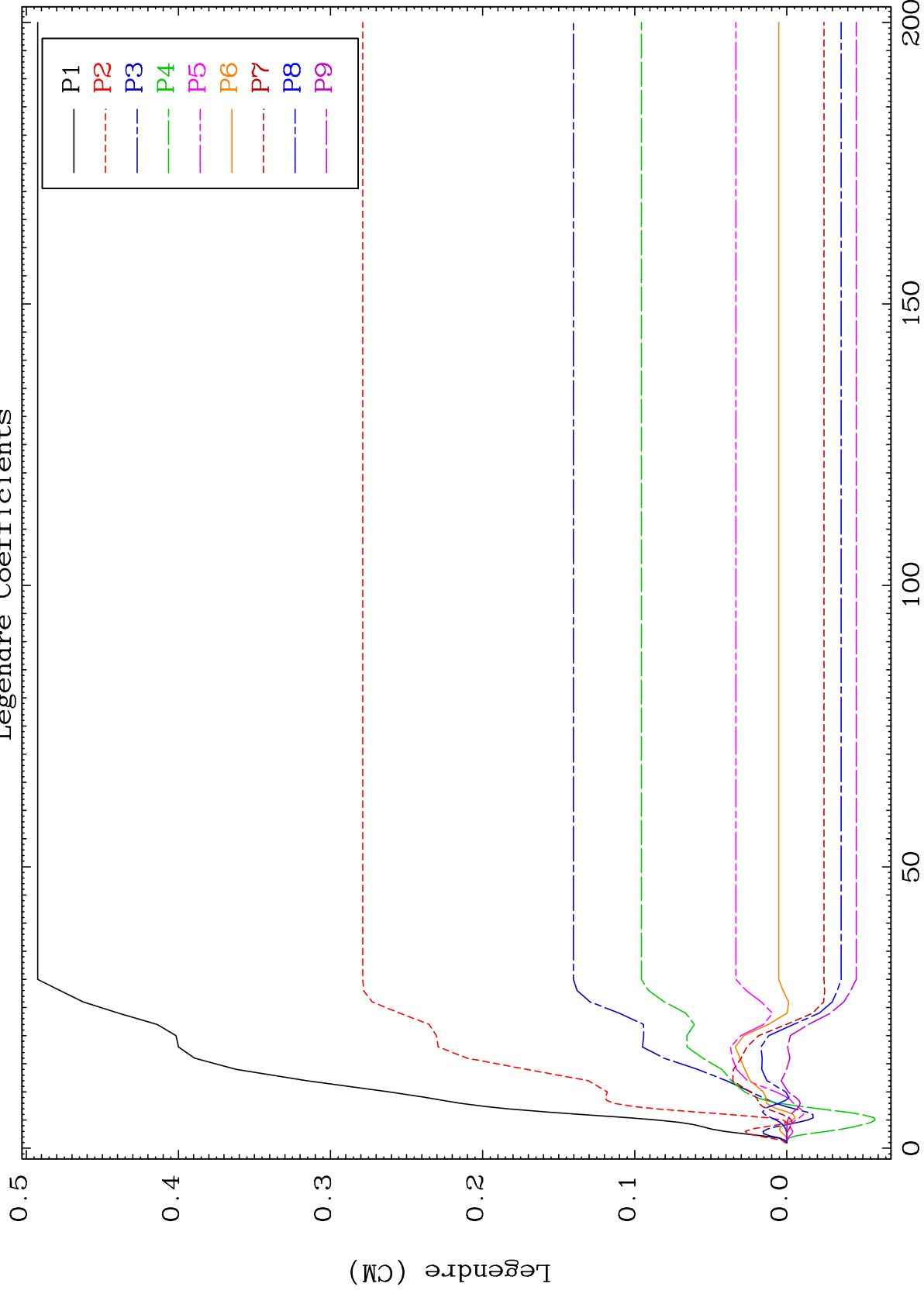
53-I -133



35

Incident Energy (MeV)

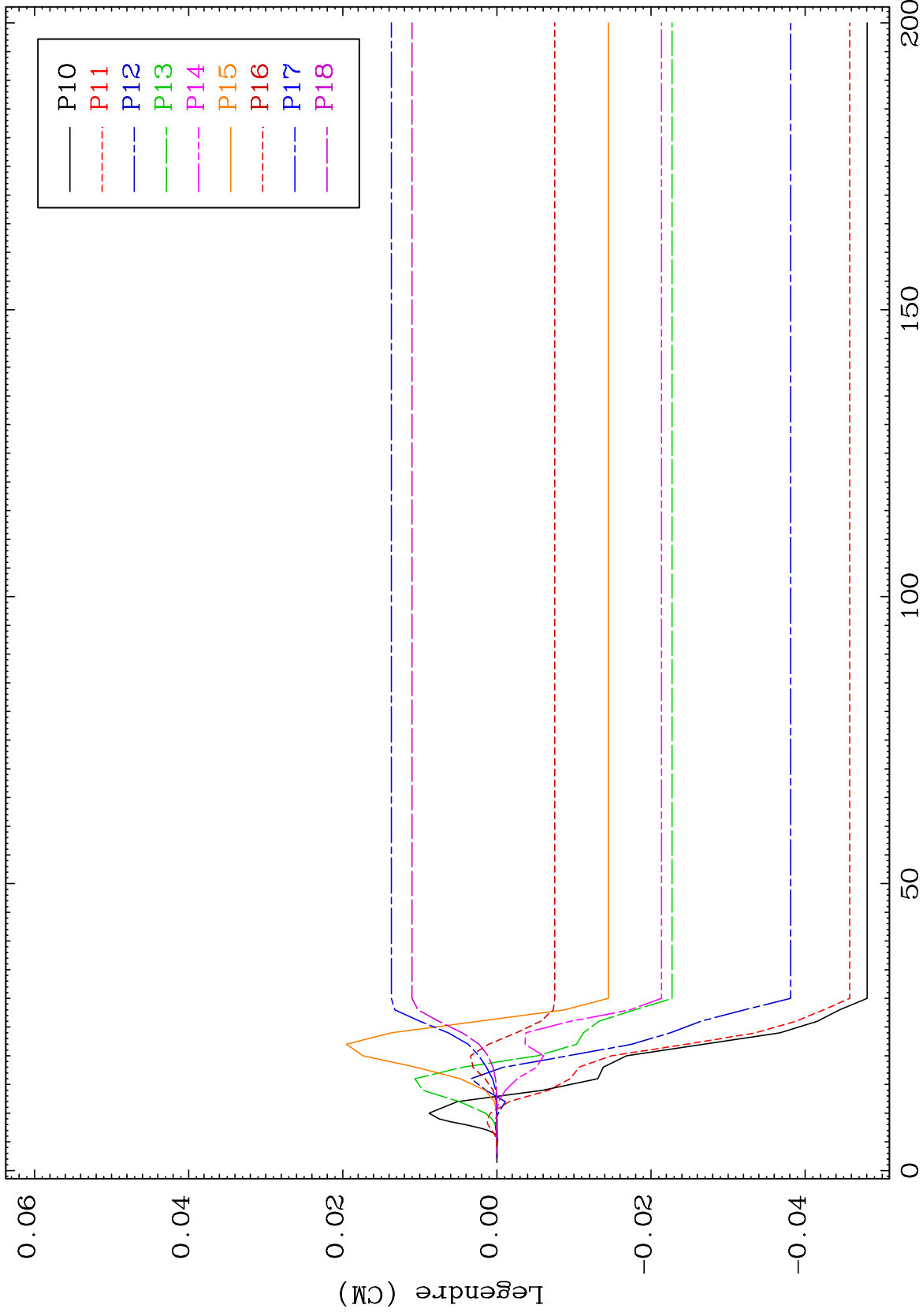
53-I -133



MAT 5343

914.8 keV (n,n') Level
Legendre Coefficients

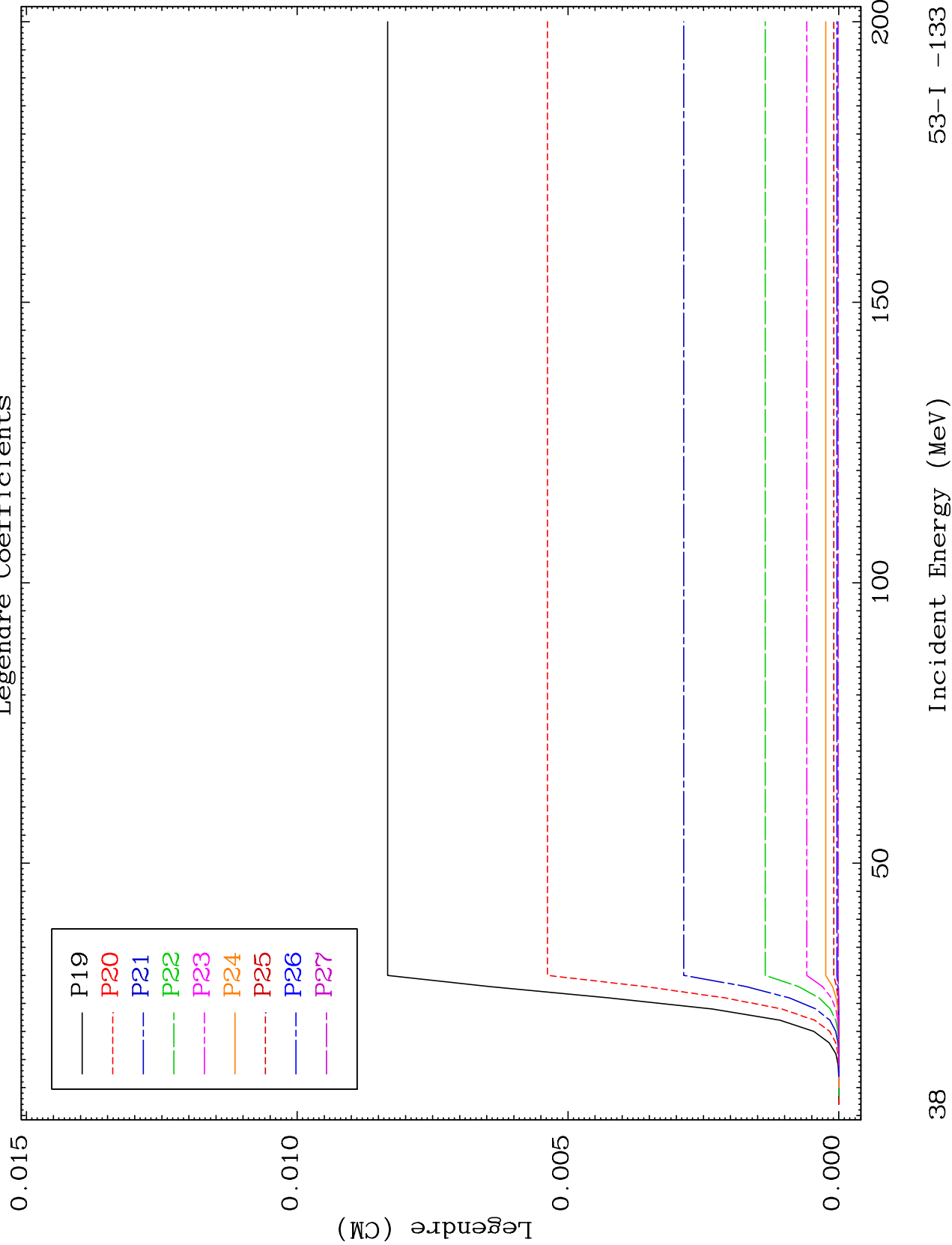
53-I -133



37

Incident Energy (MeV)

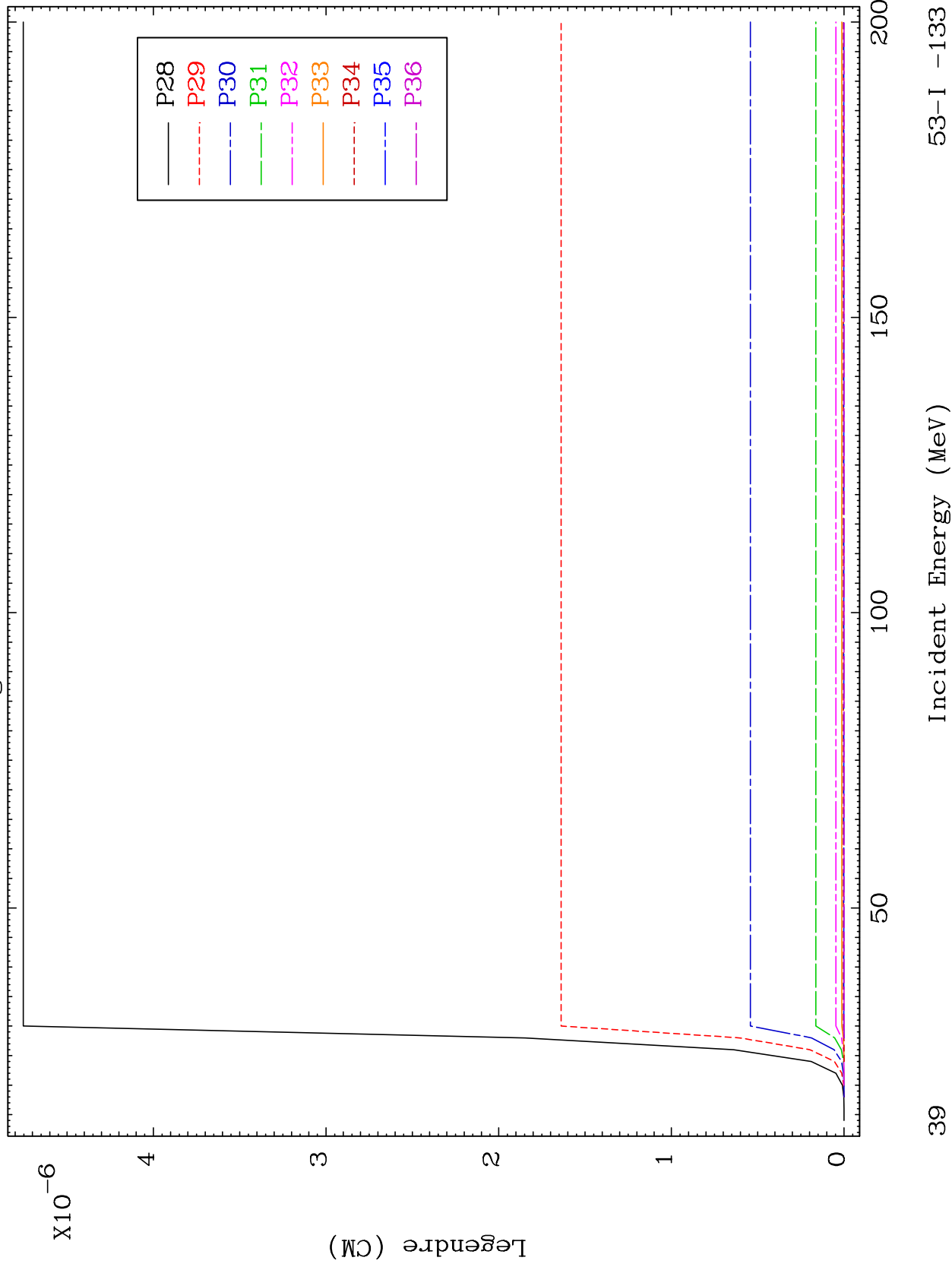
53-I -133



MAT 5343

914.8 keV (n,n') Level
Legendre Coefficients

53-I -133



39

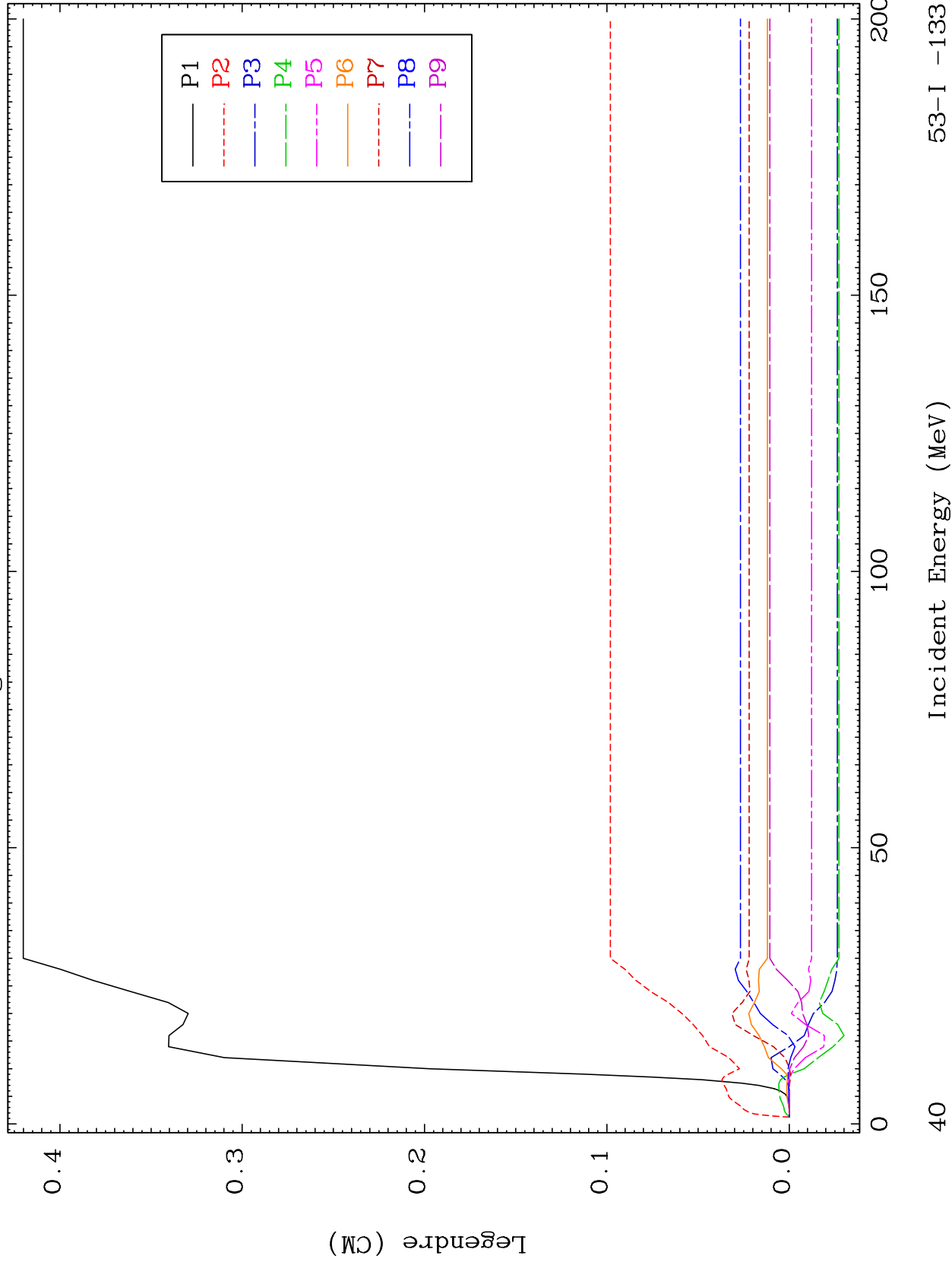
Incident Energy (MeV)

53-I -133

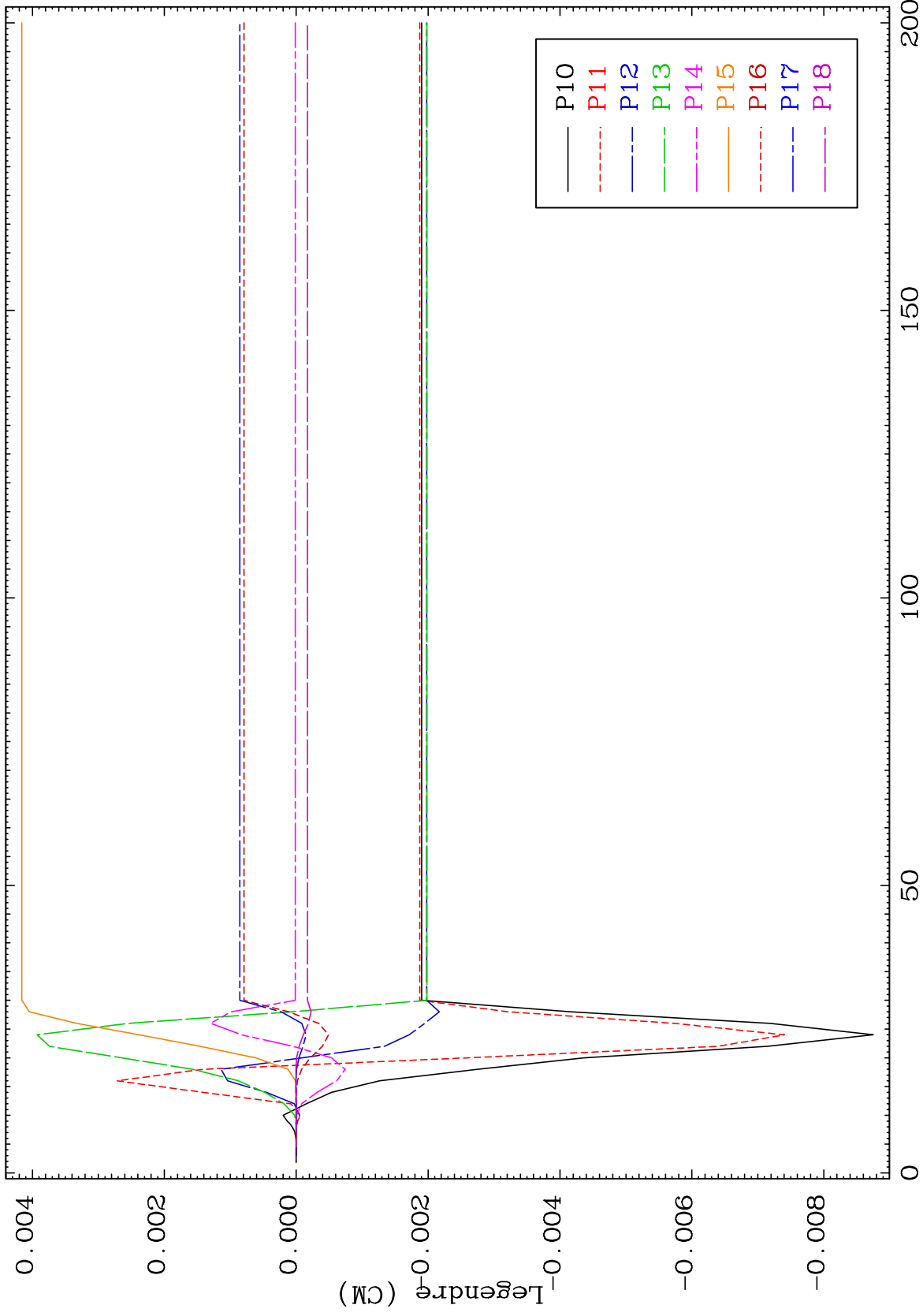
MAT 5343

1.240 MeV (n,n') Level
Legendre Coefficients

53-I -133



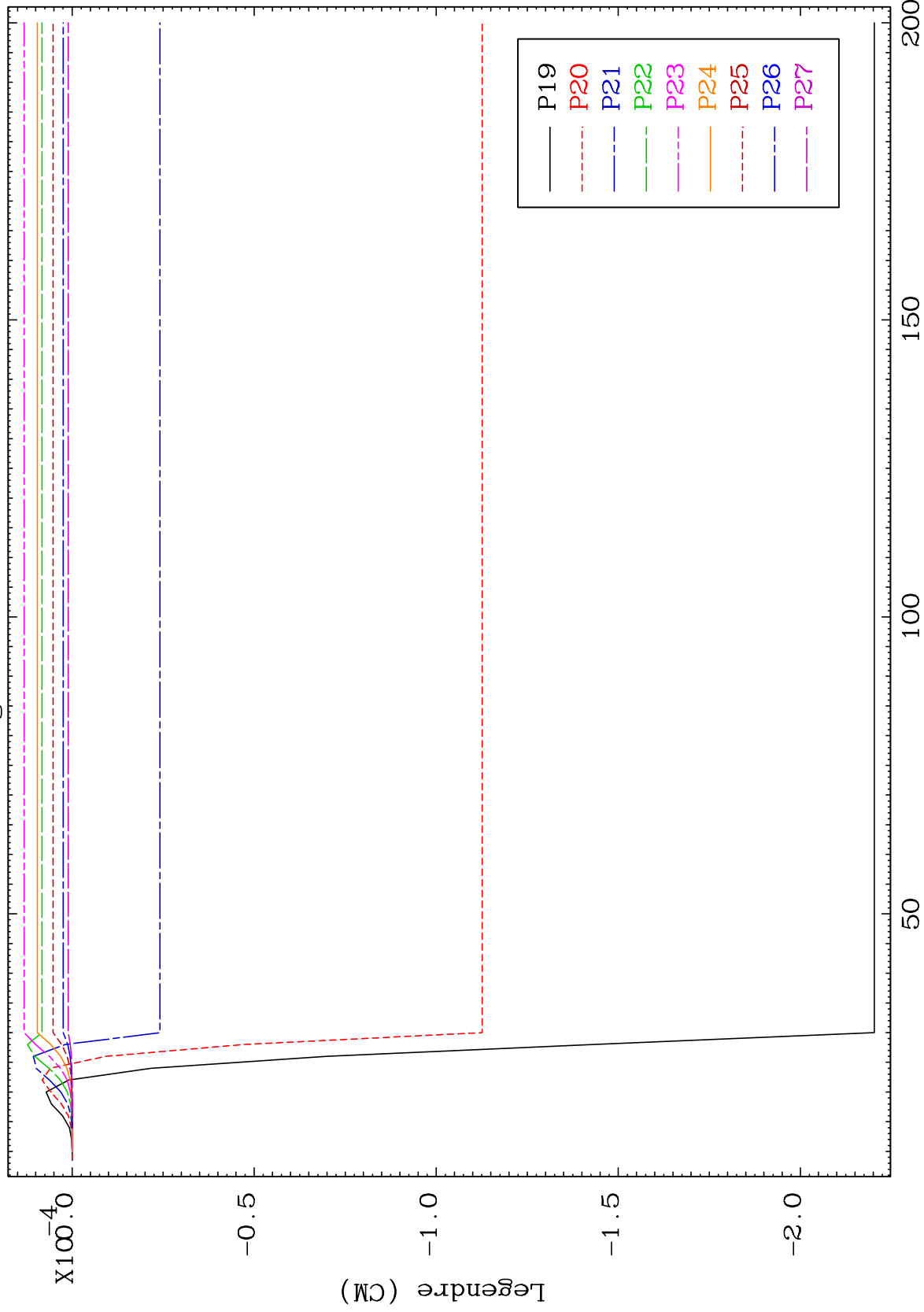
53-I -133



MAT 5343

1.240 MeV (n,n') Level
Legendre Coefficients

53-I -133



42

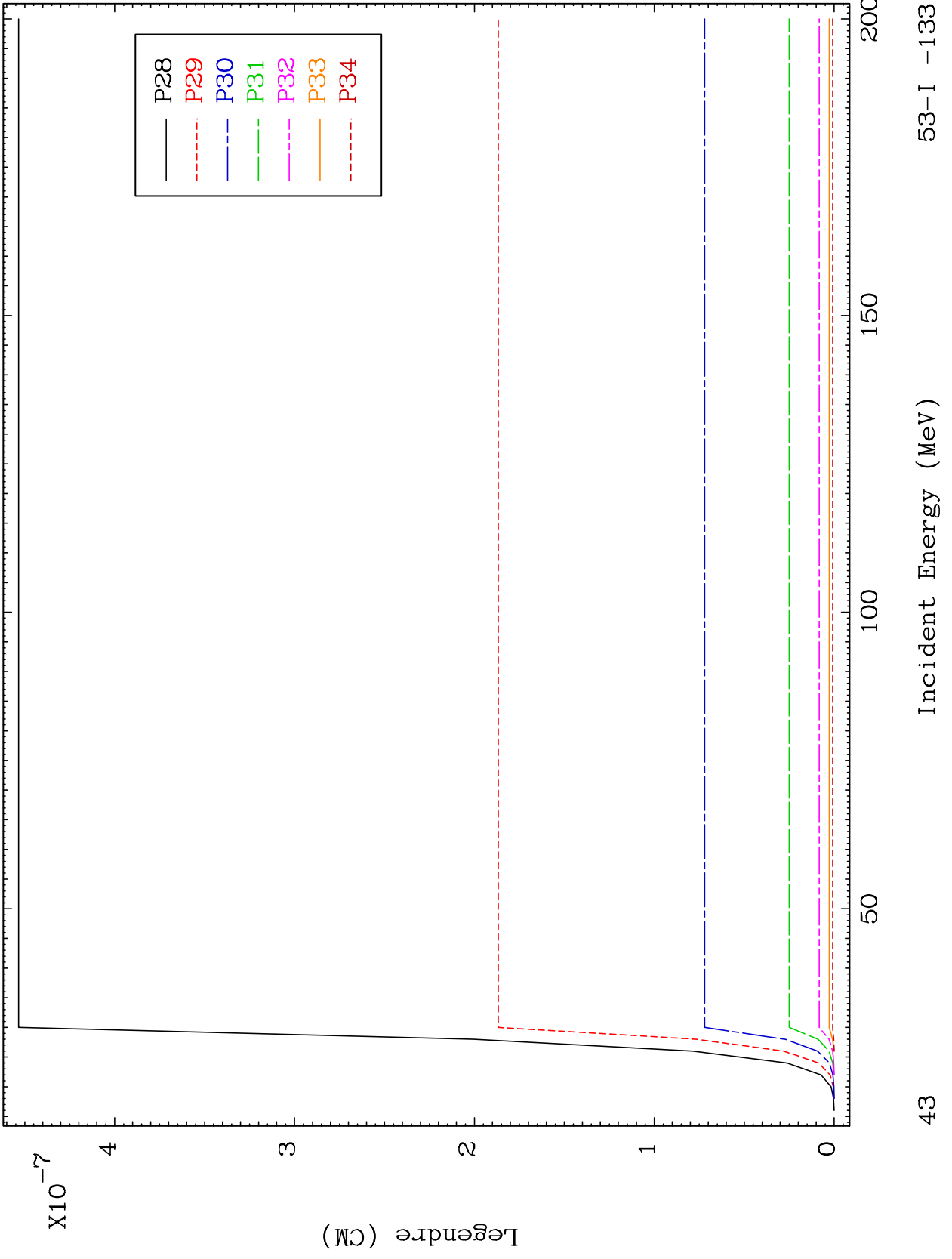
Incident Energy (MeV)

53-I -133

MAT 5343

1.240 MeV (n,n') Level
Legendre Coefficients

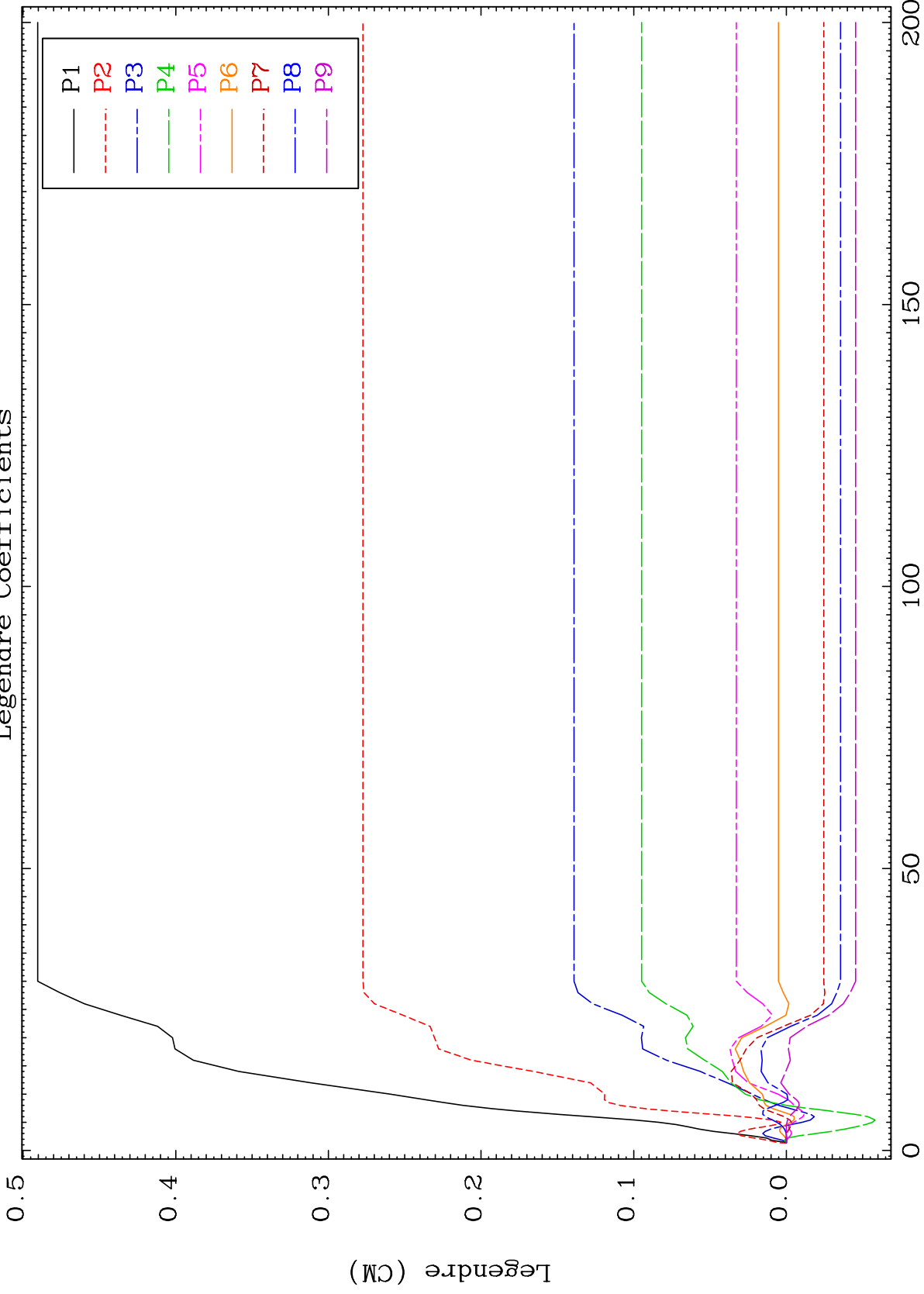
53-I -133



43

Incident Energy (MeV)

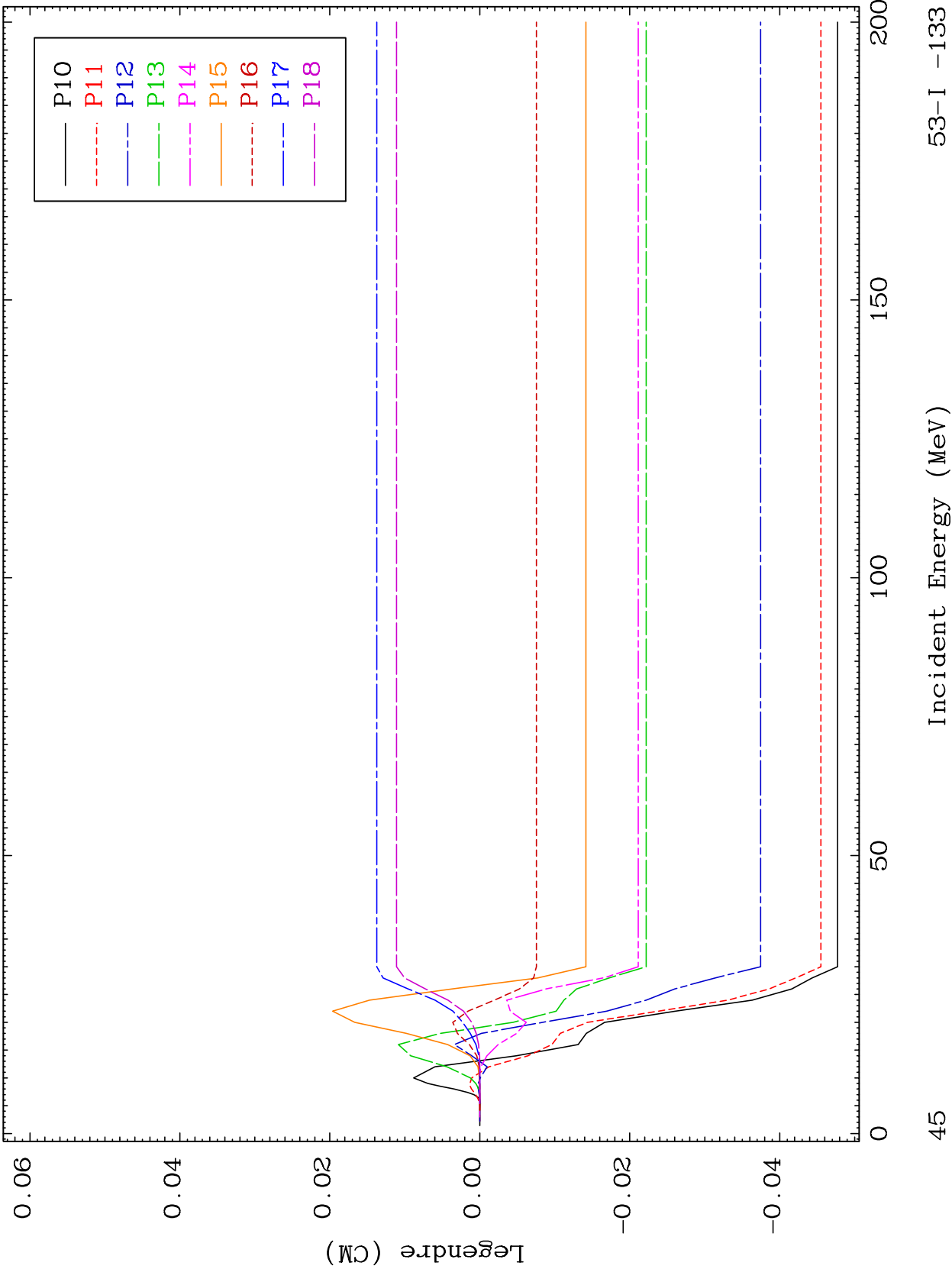
53-I -133



MAT 5343

1.307 MeV (n,n') Level
Legendre Coefficients

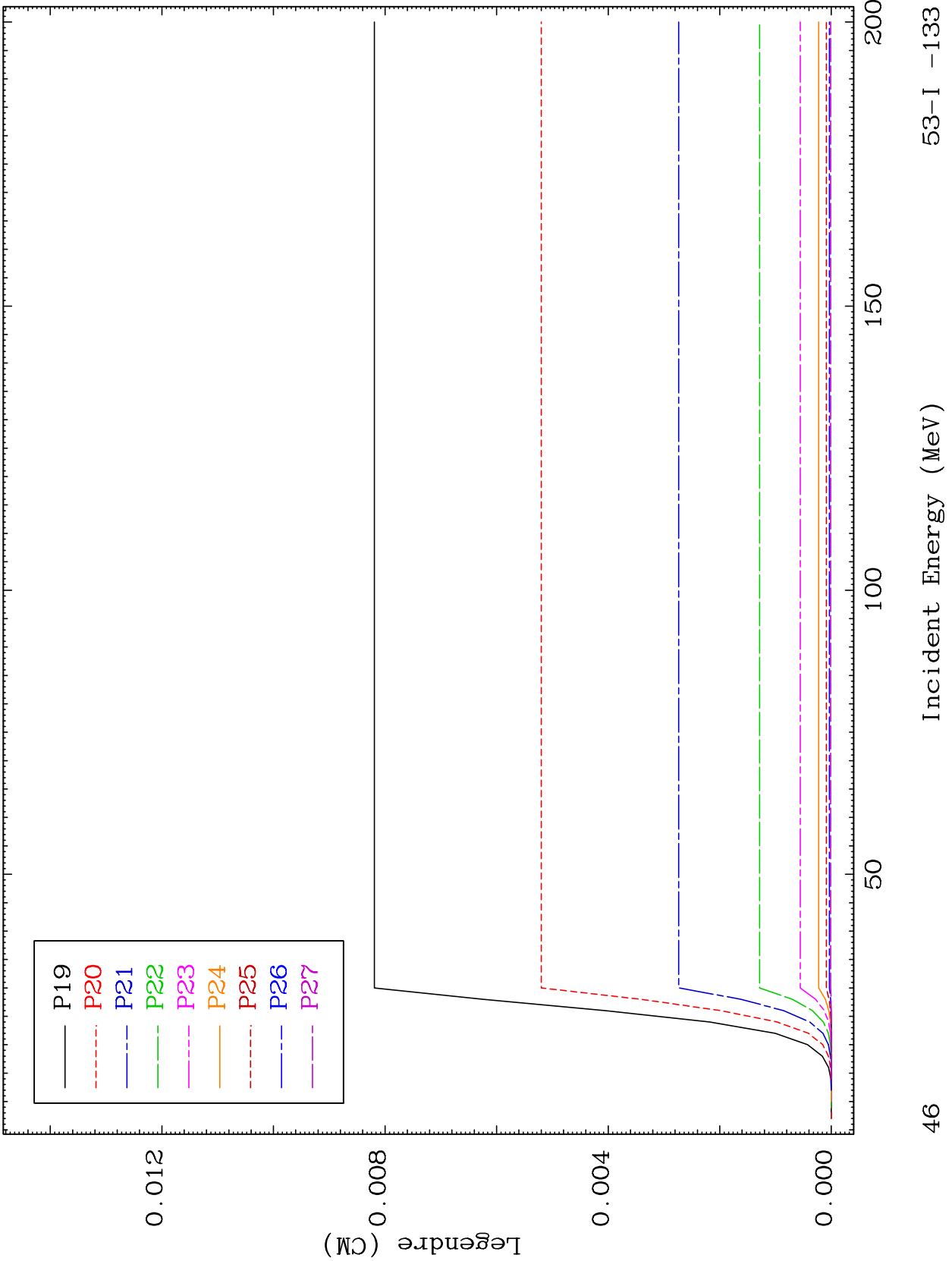
53-I -133

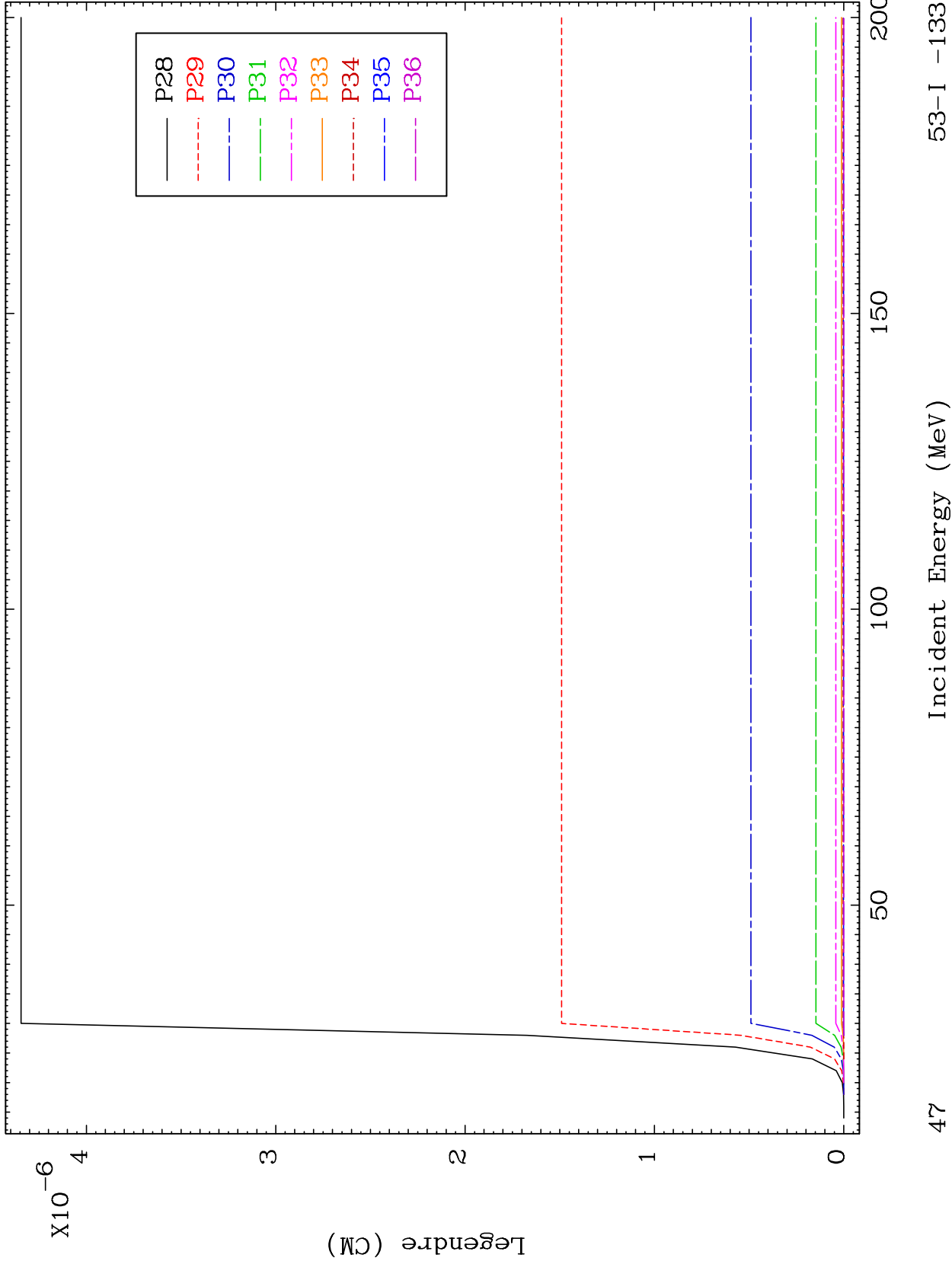


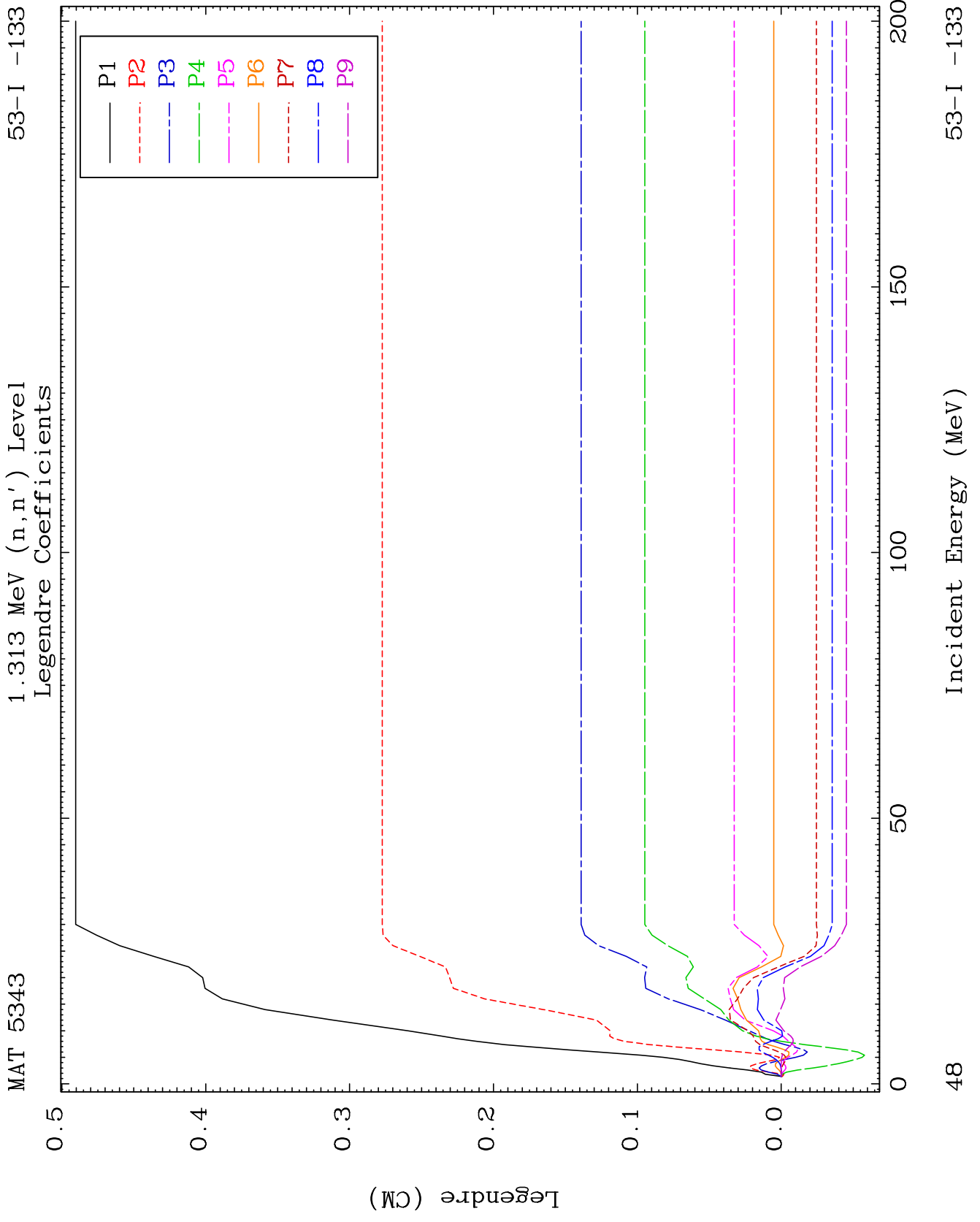
53-I -133

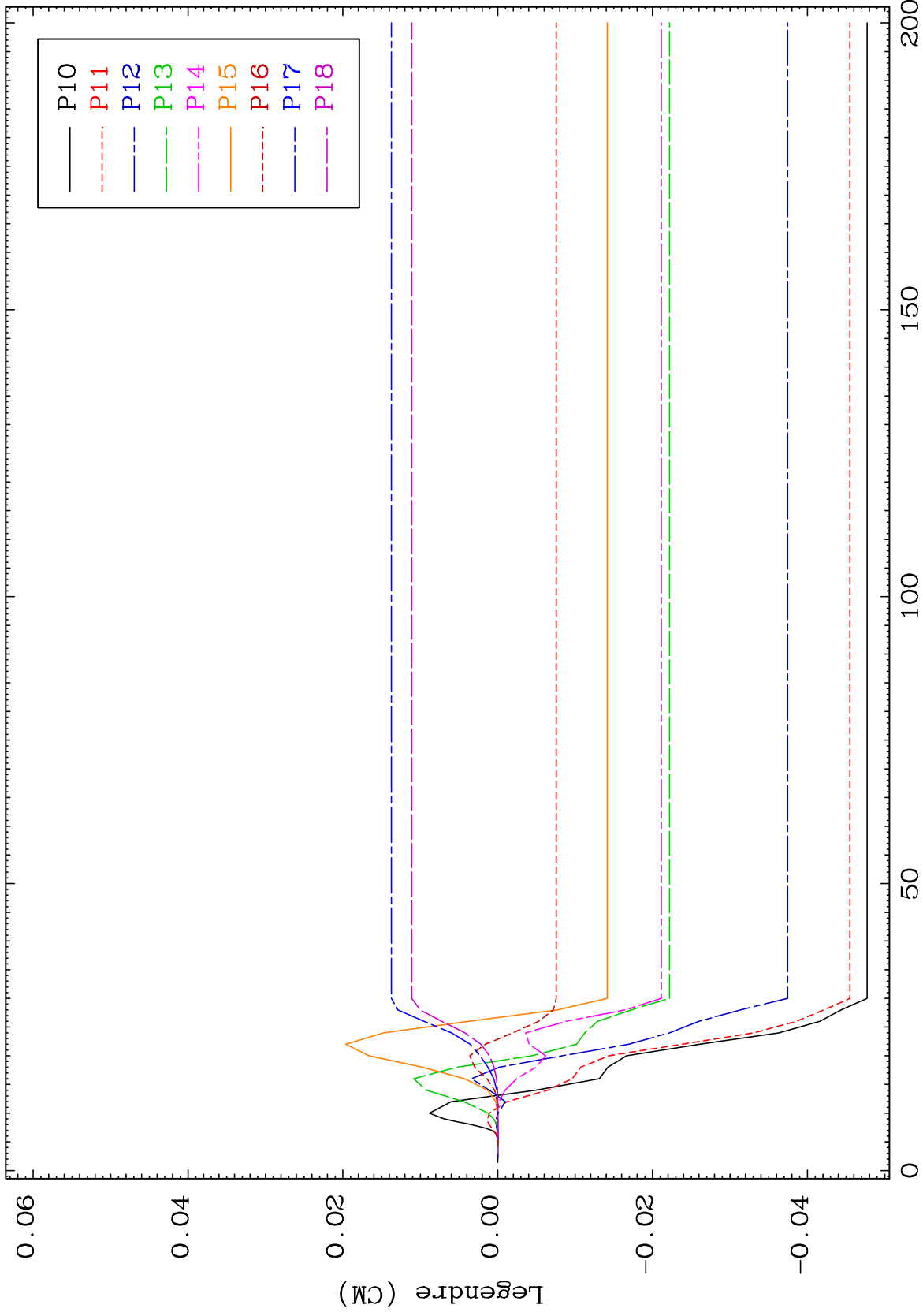
Incident Energy (MeV)

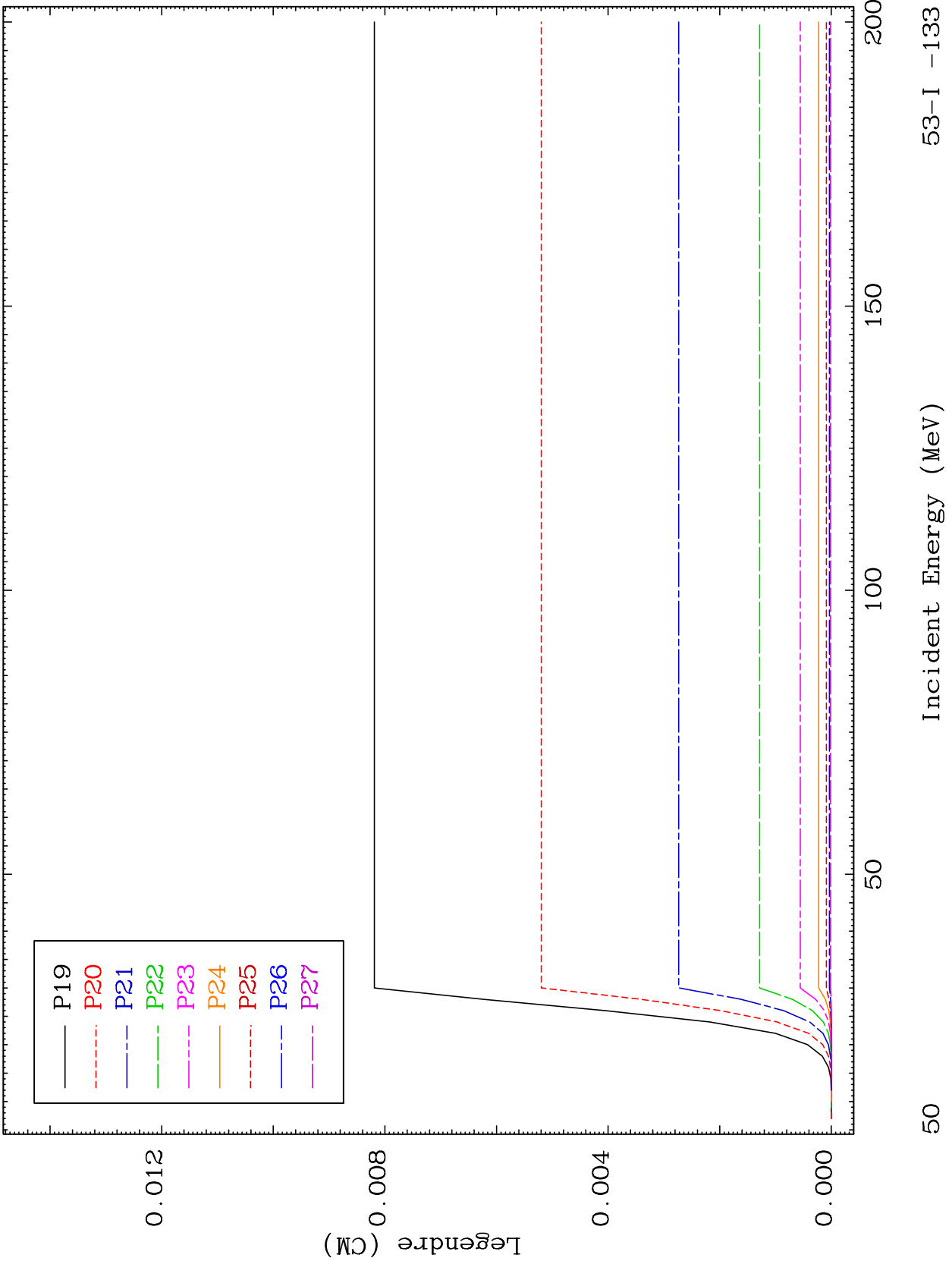
45

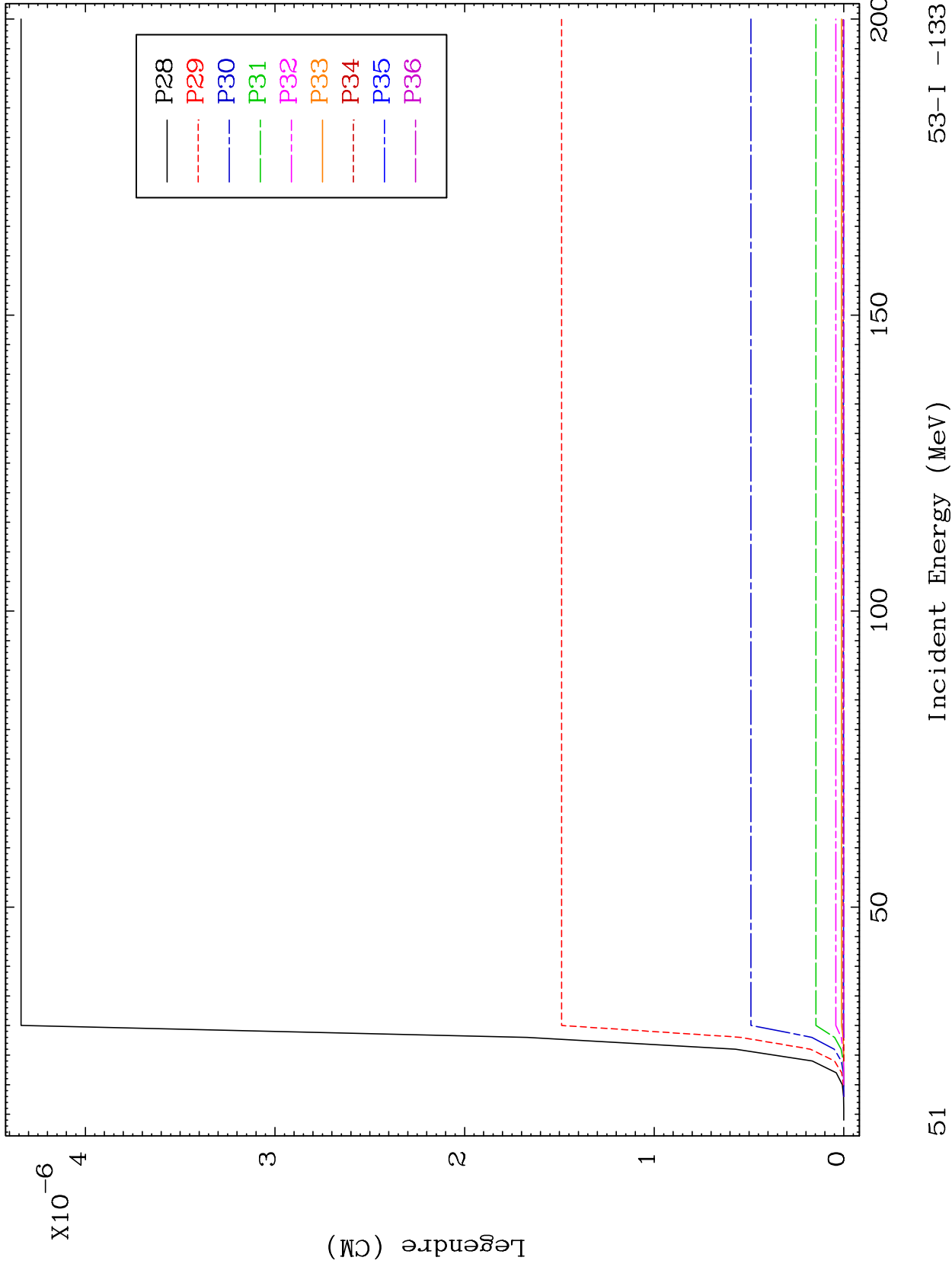


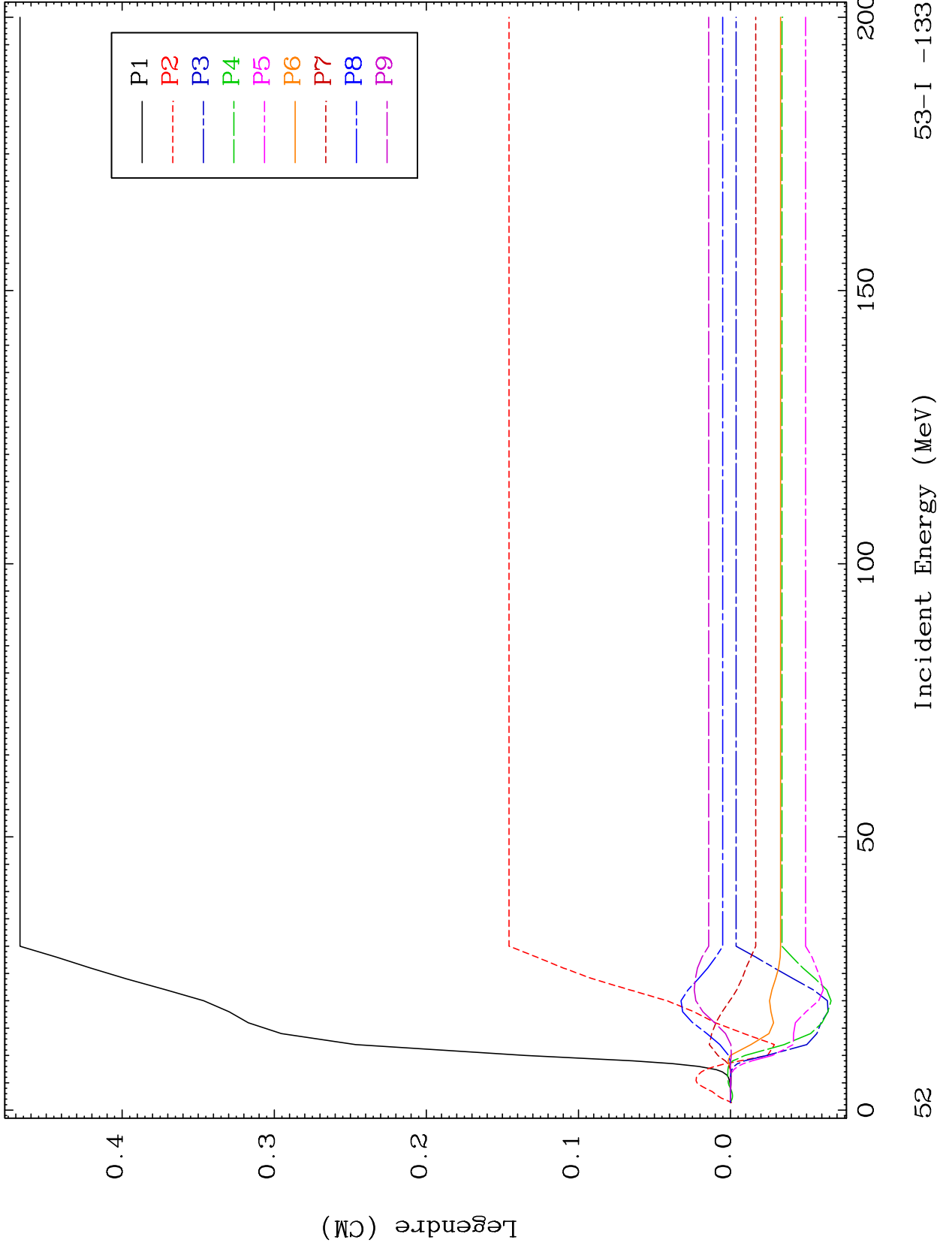


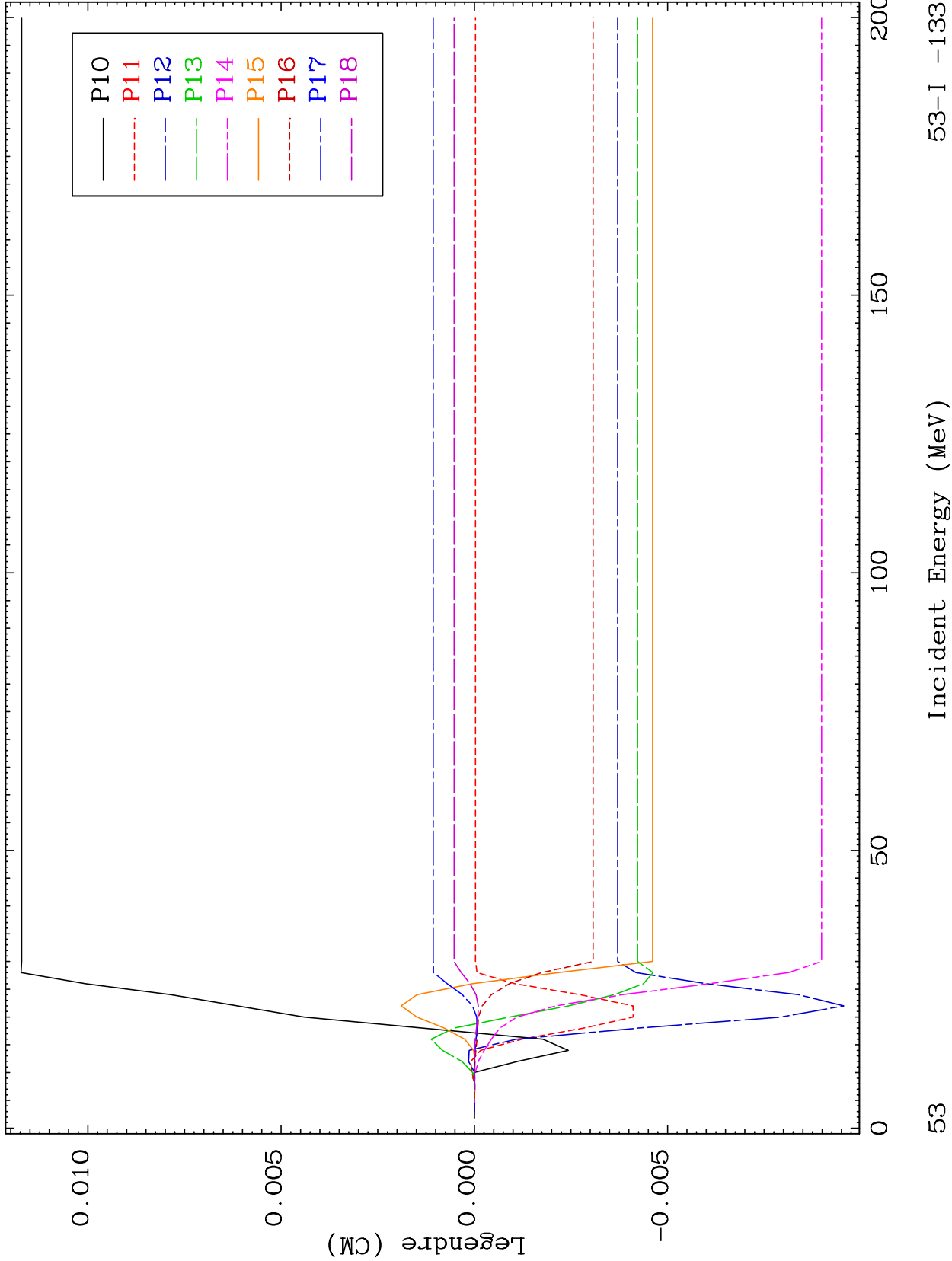


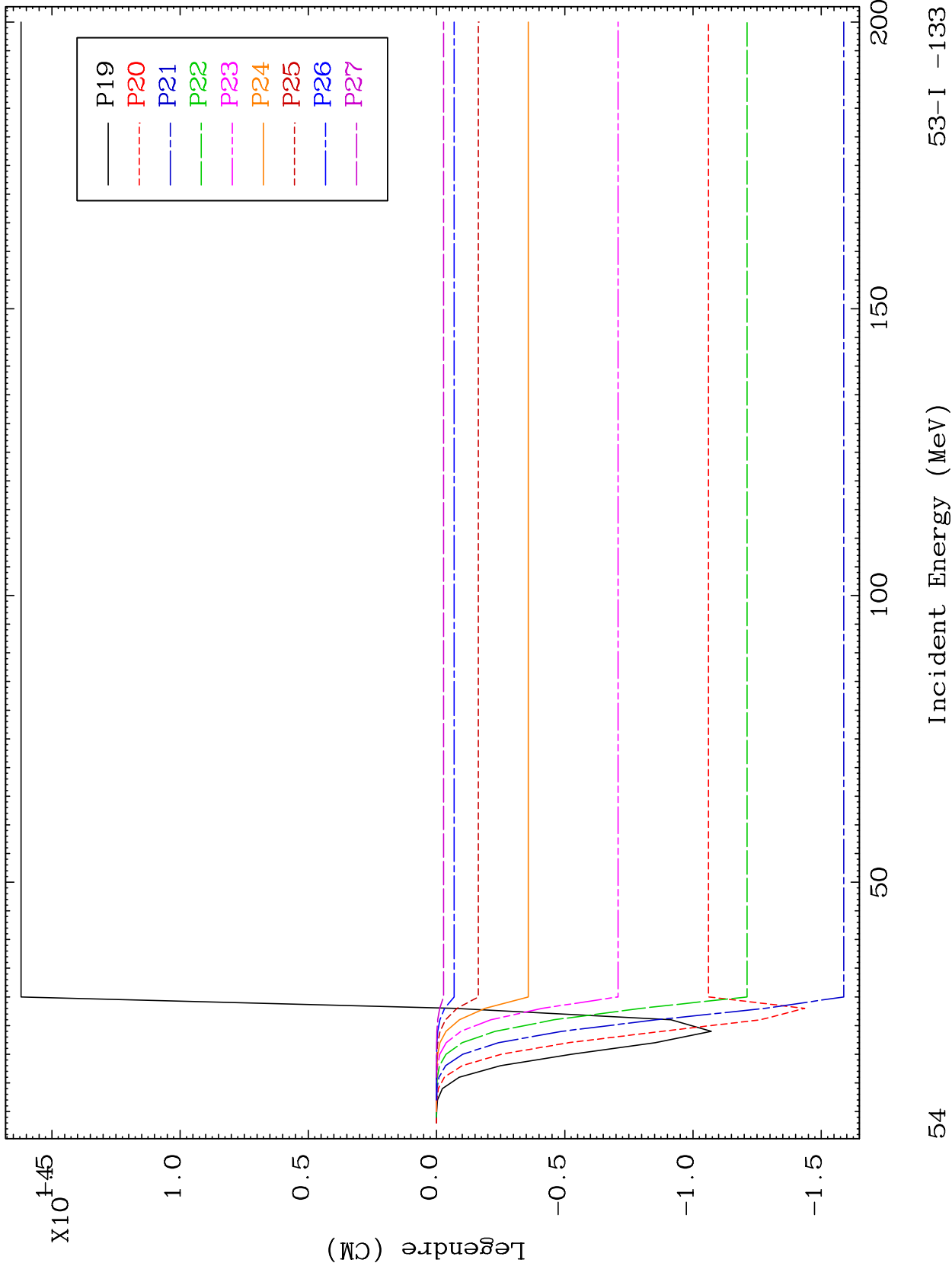


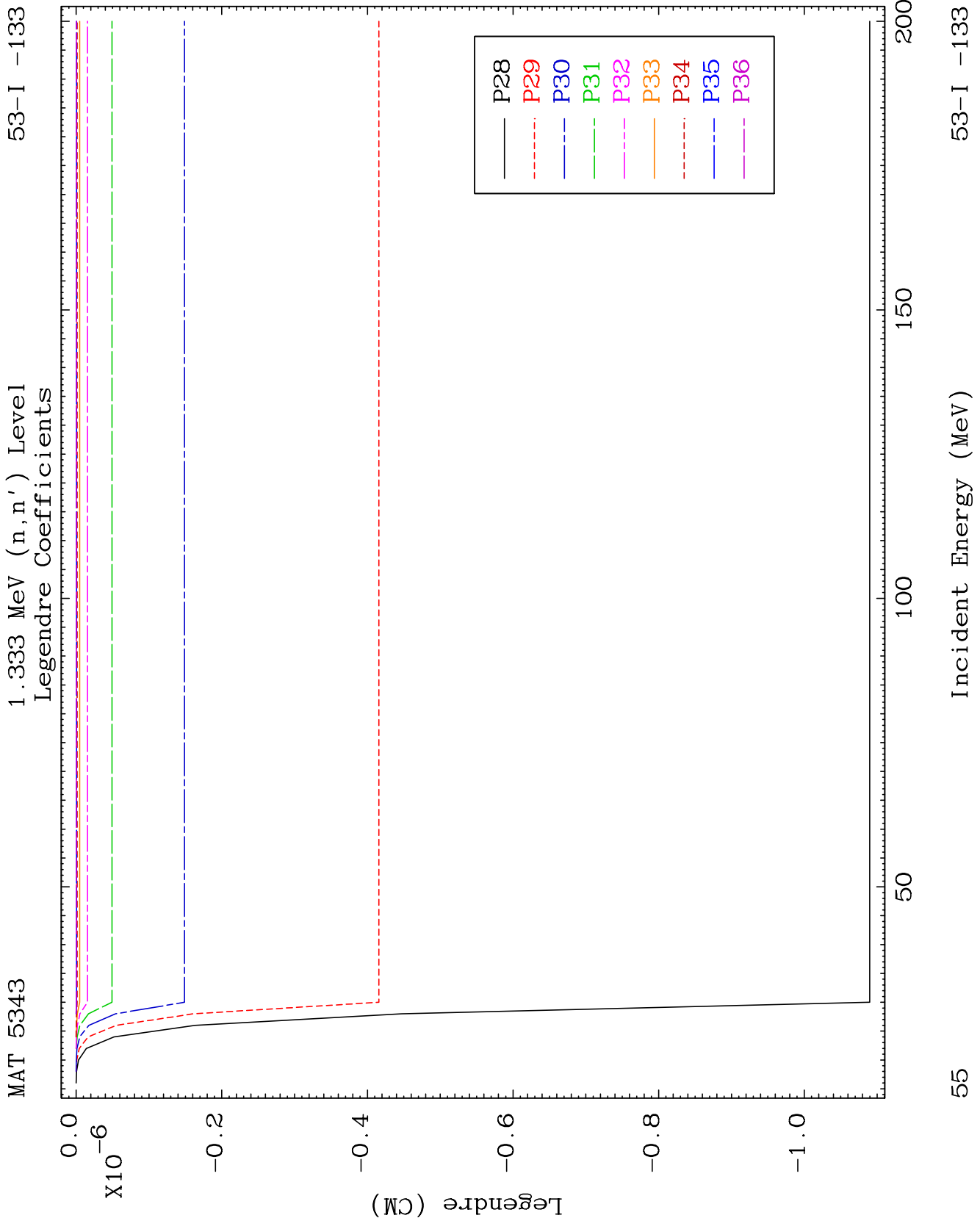


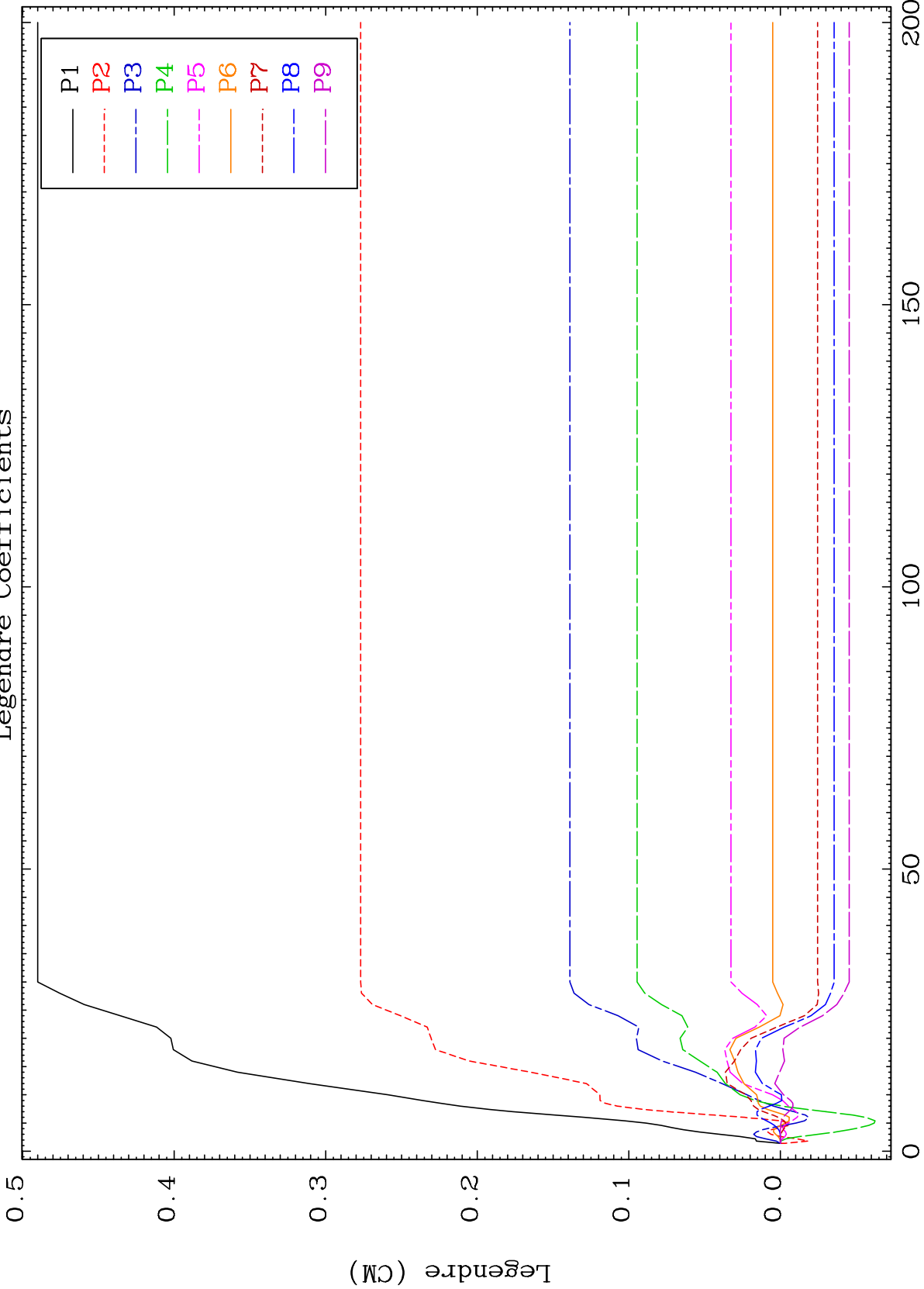


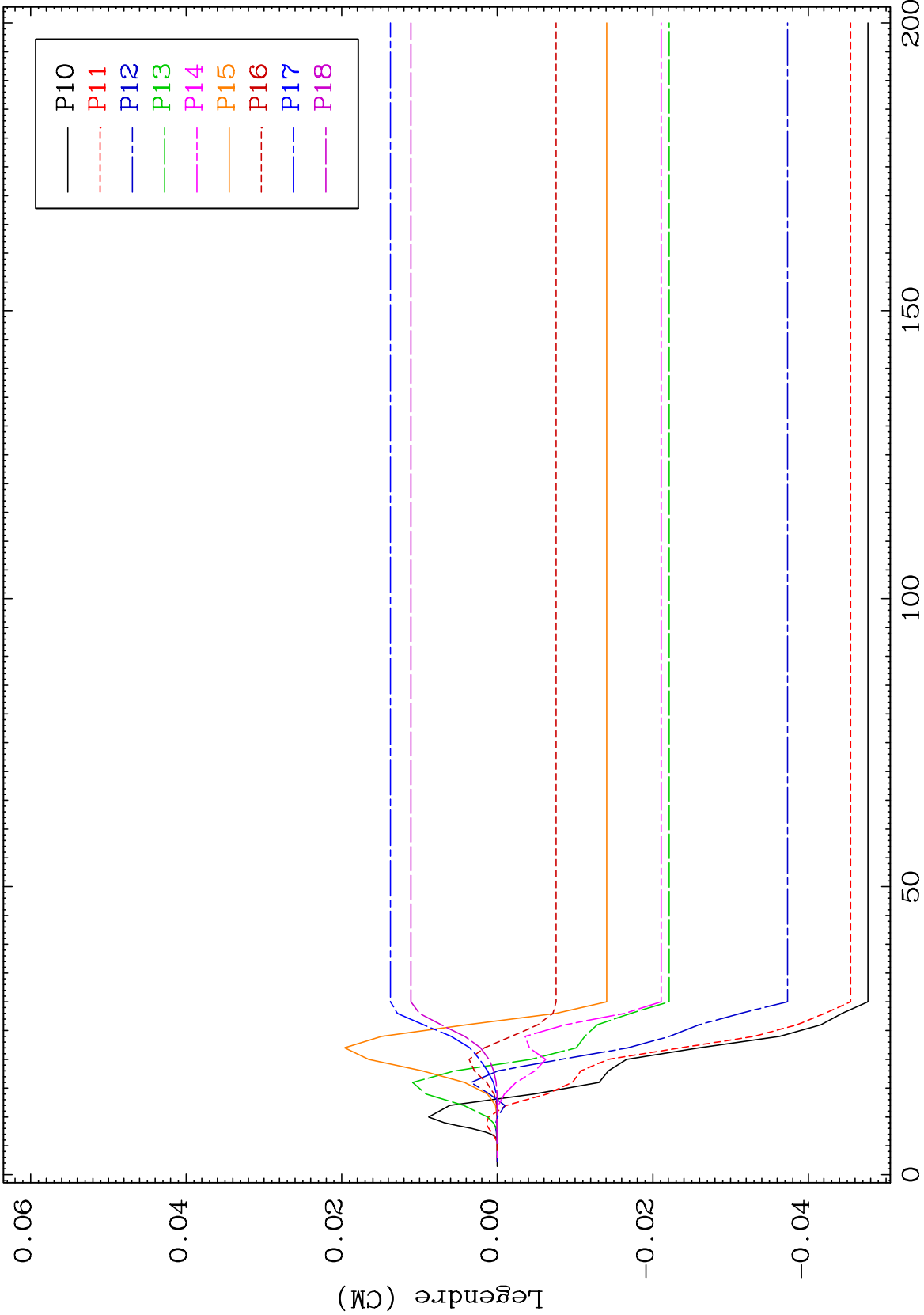


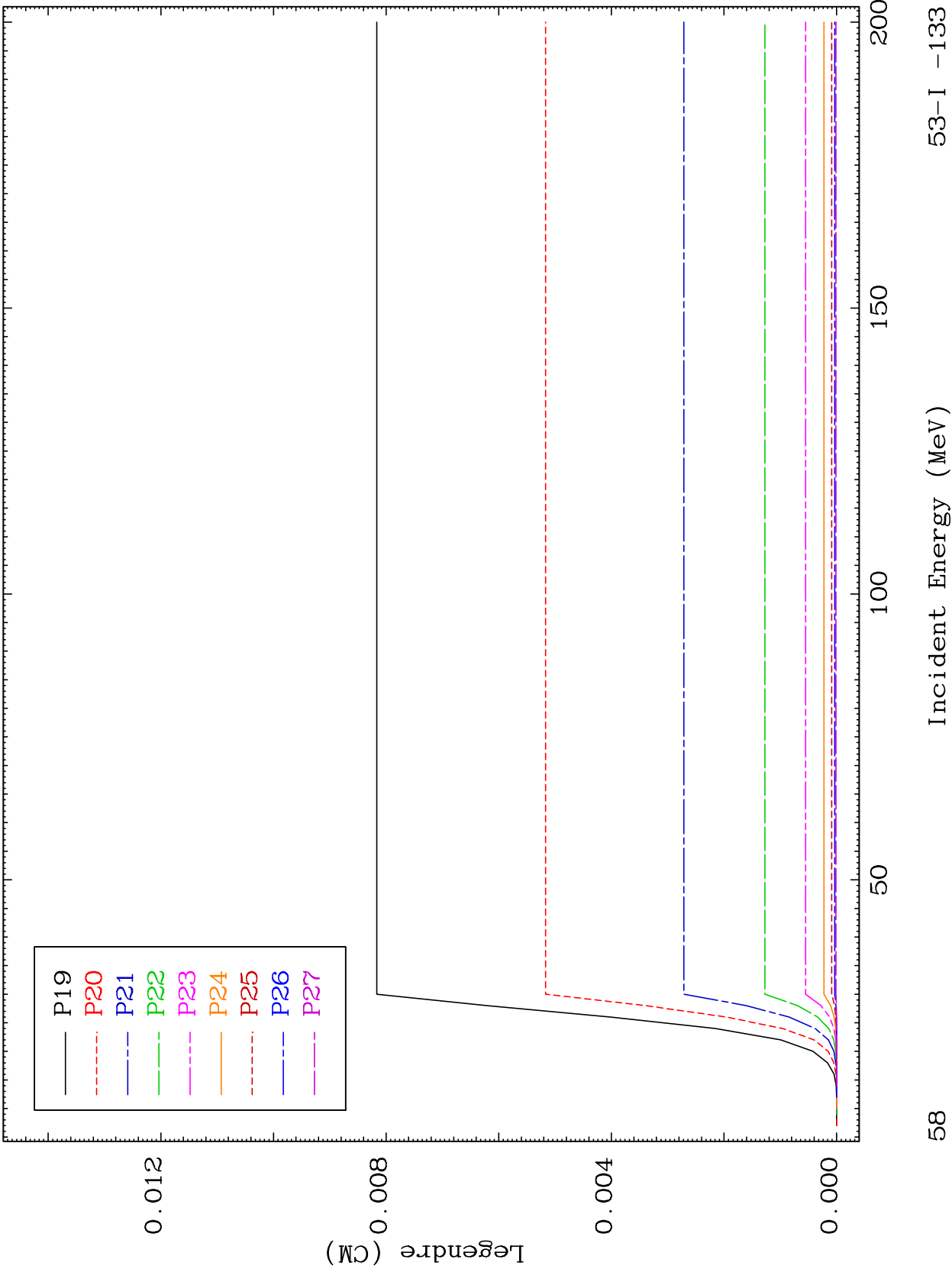


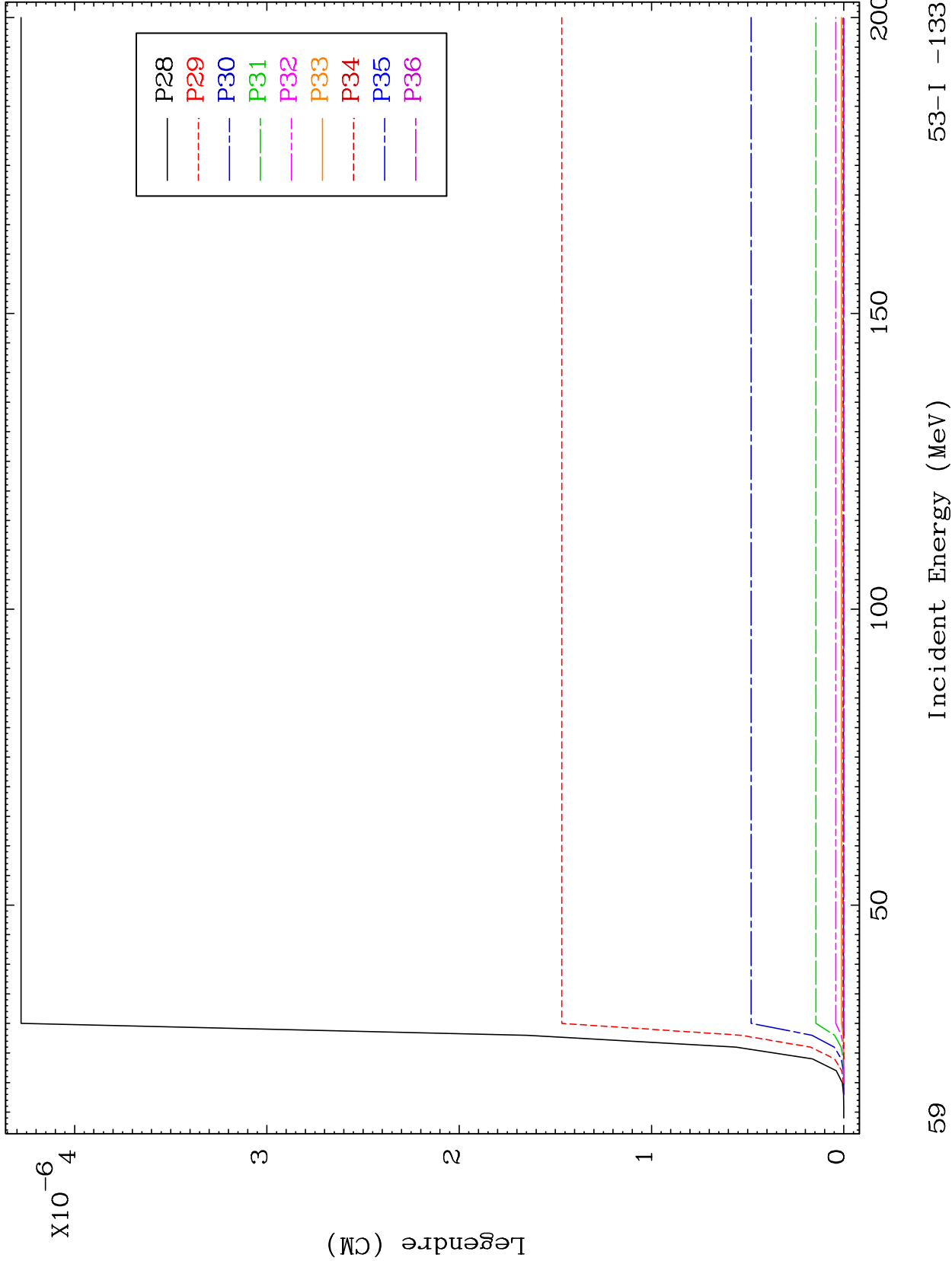








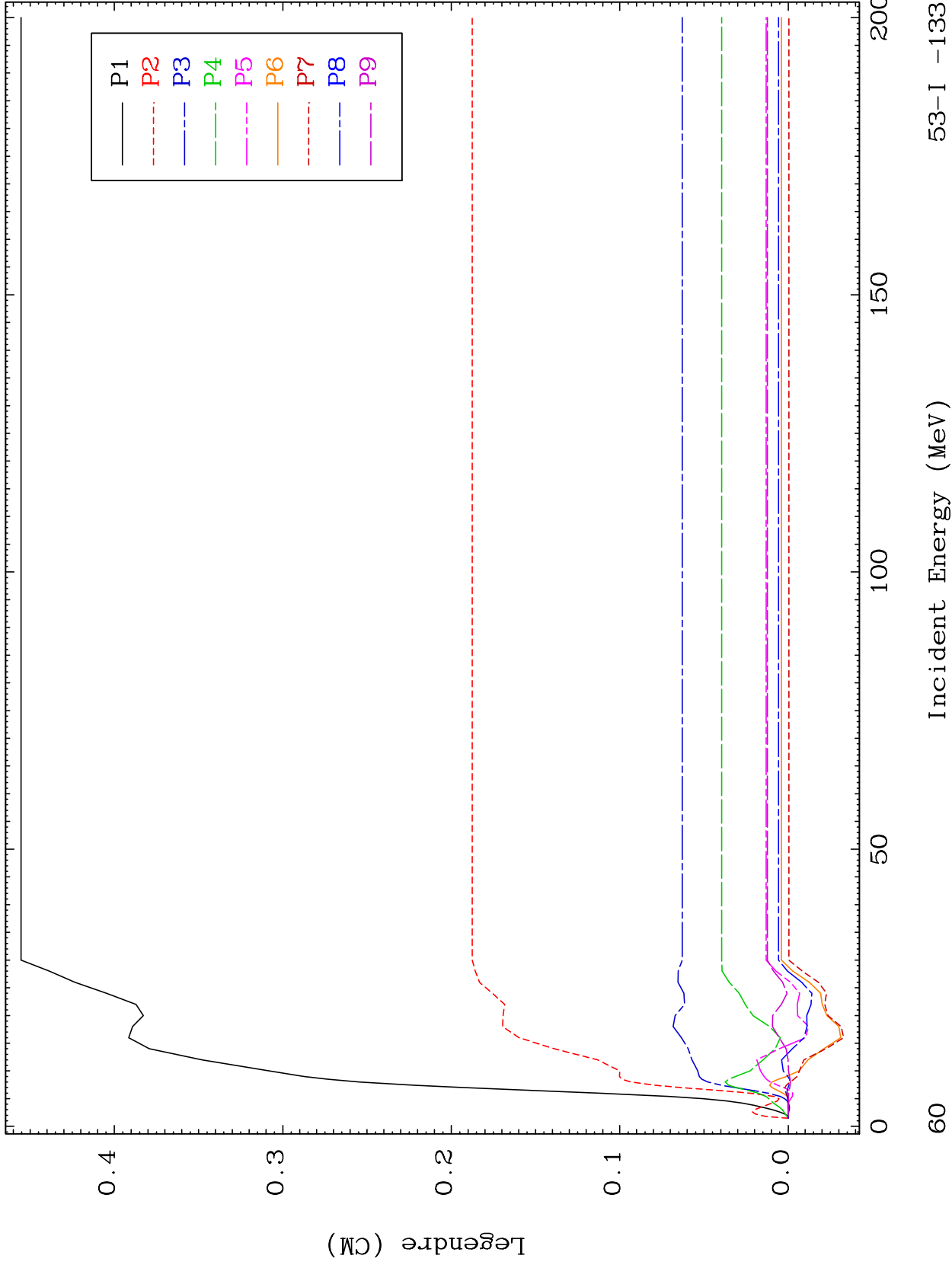




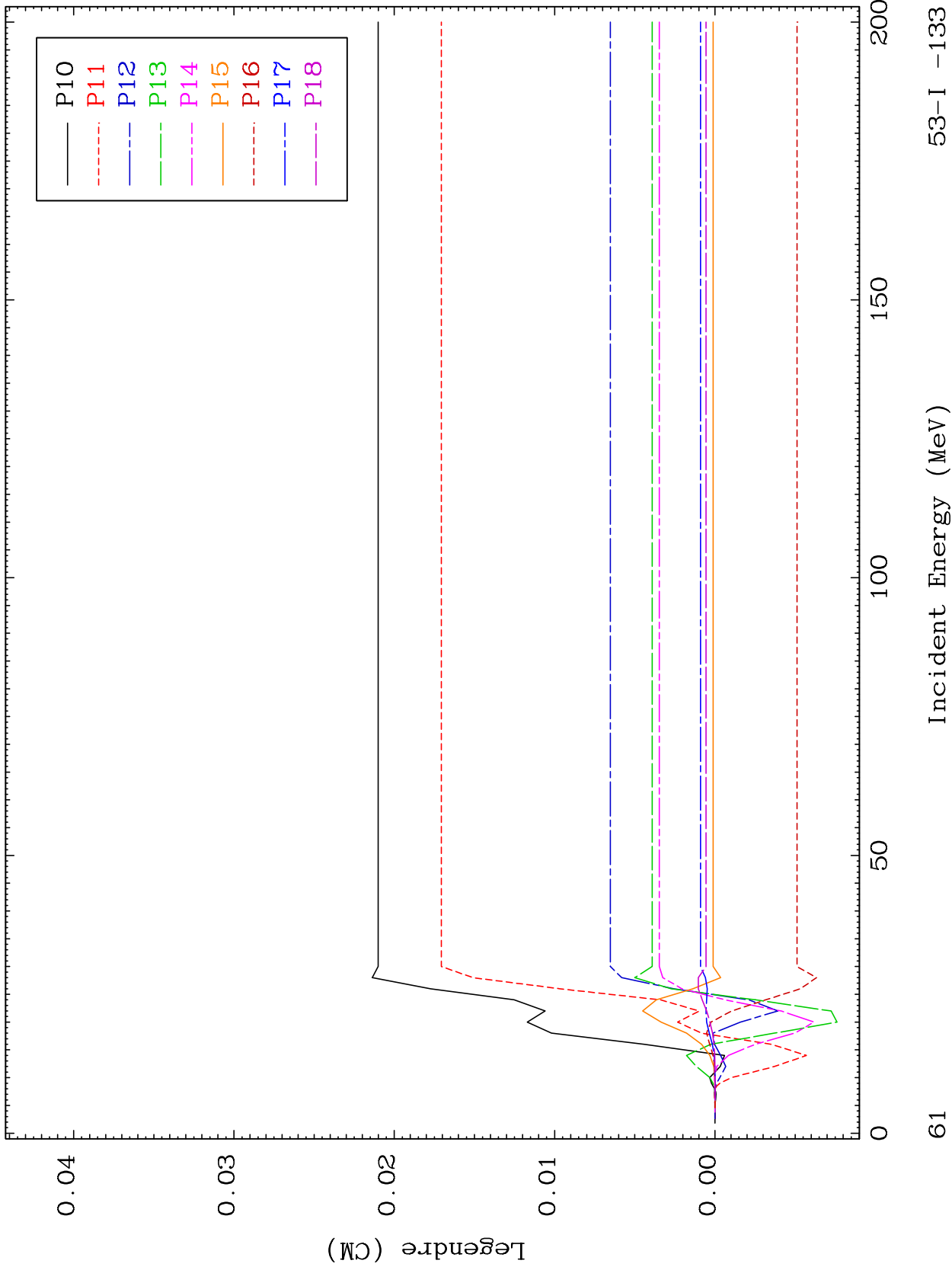
MAT 5343

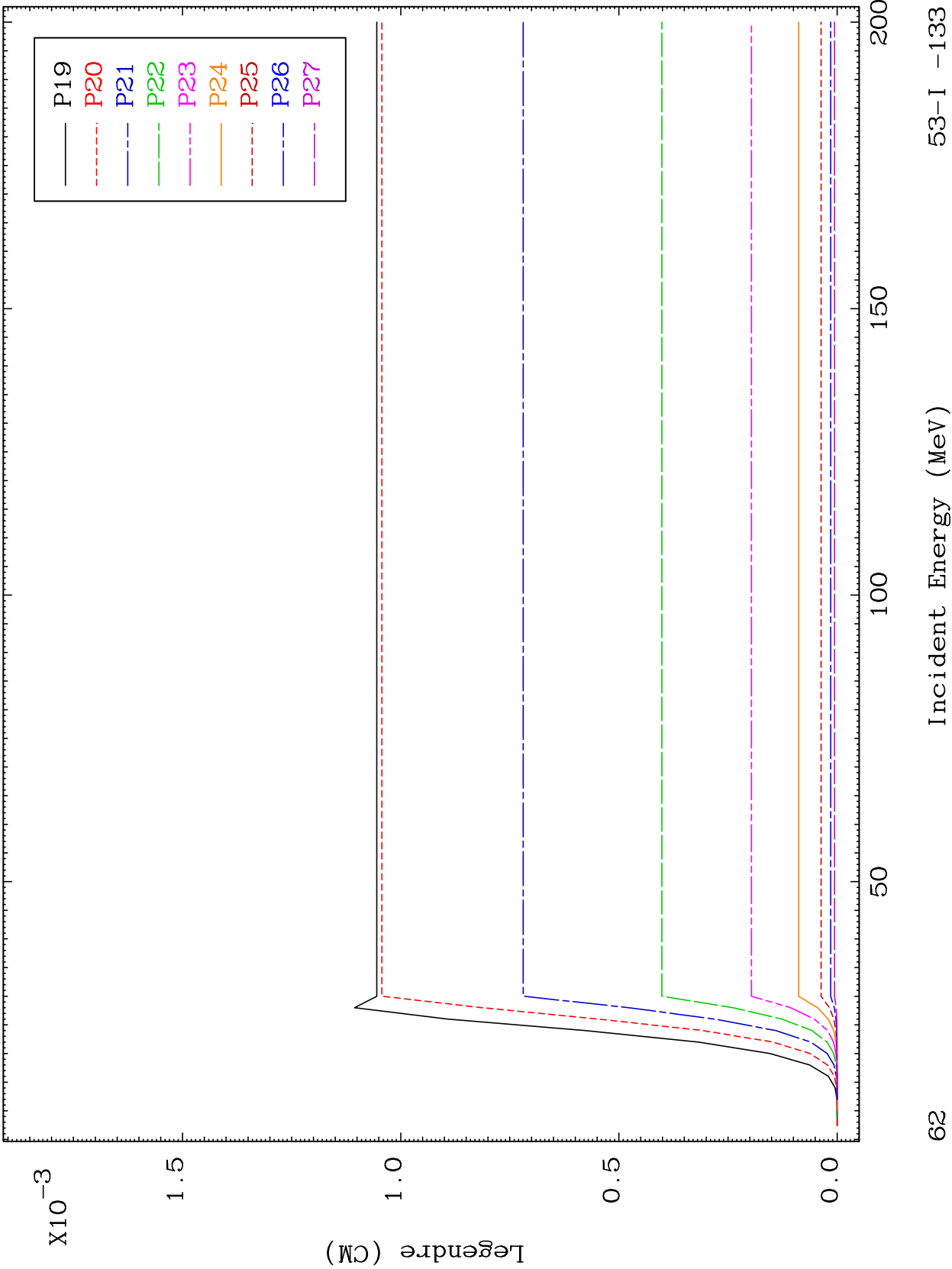
1.455 MeV (n,n') Level
Legendre Coefficients

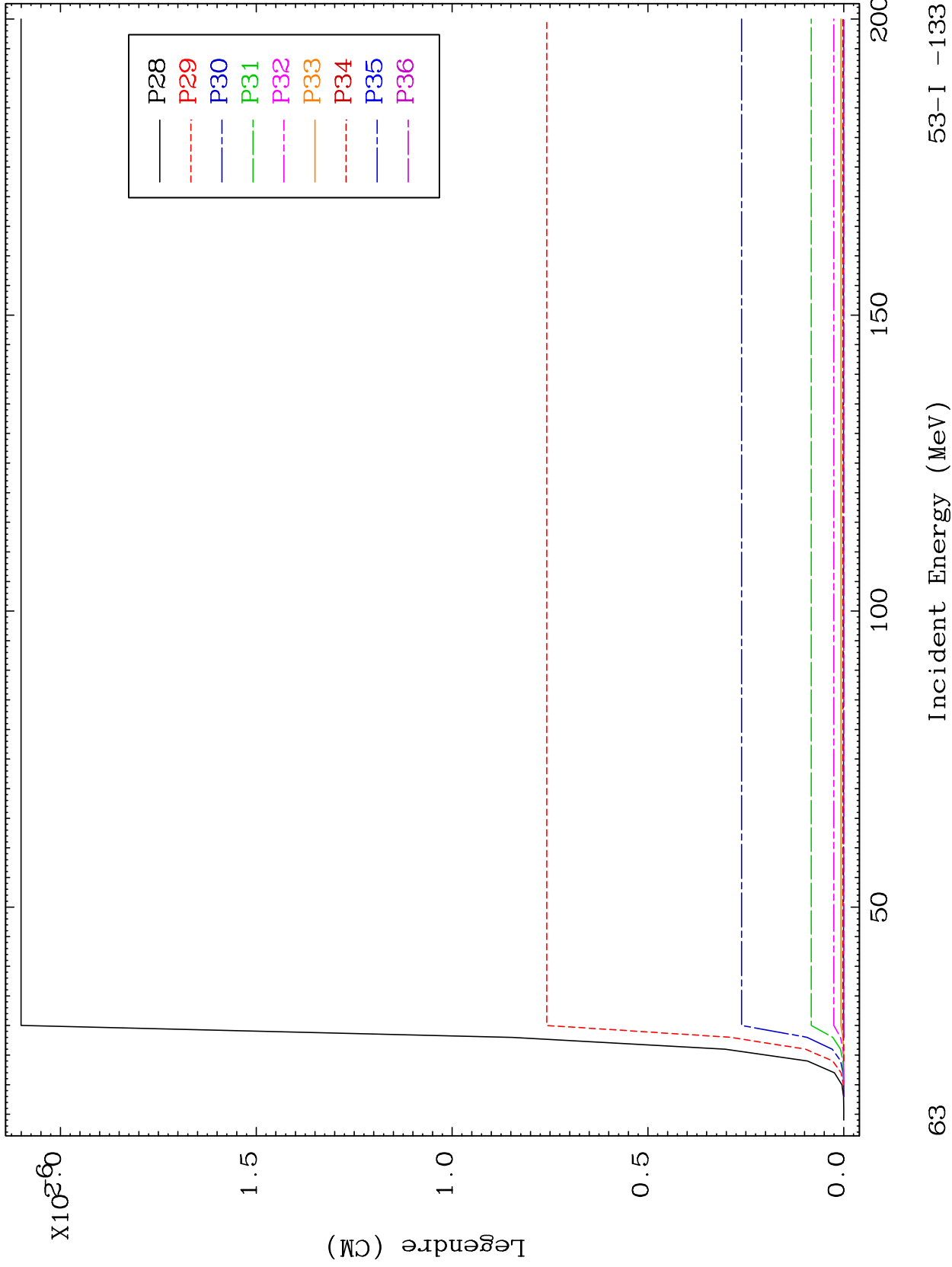
53-I -133

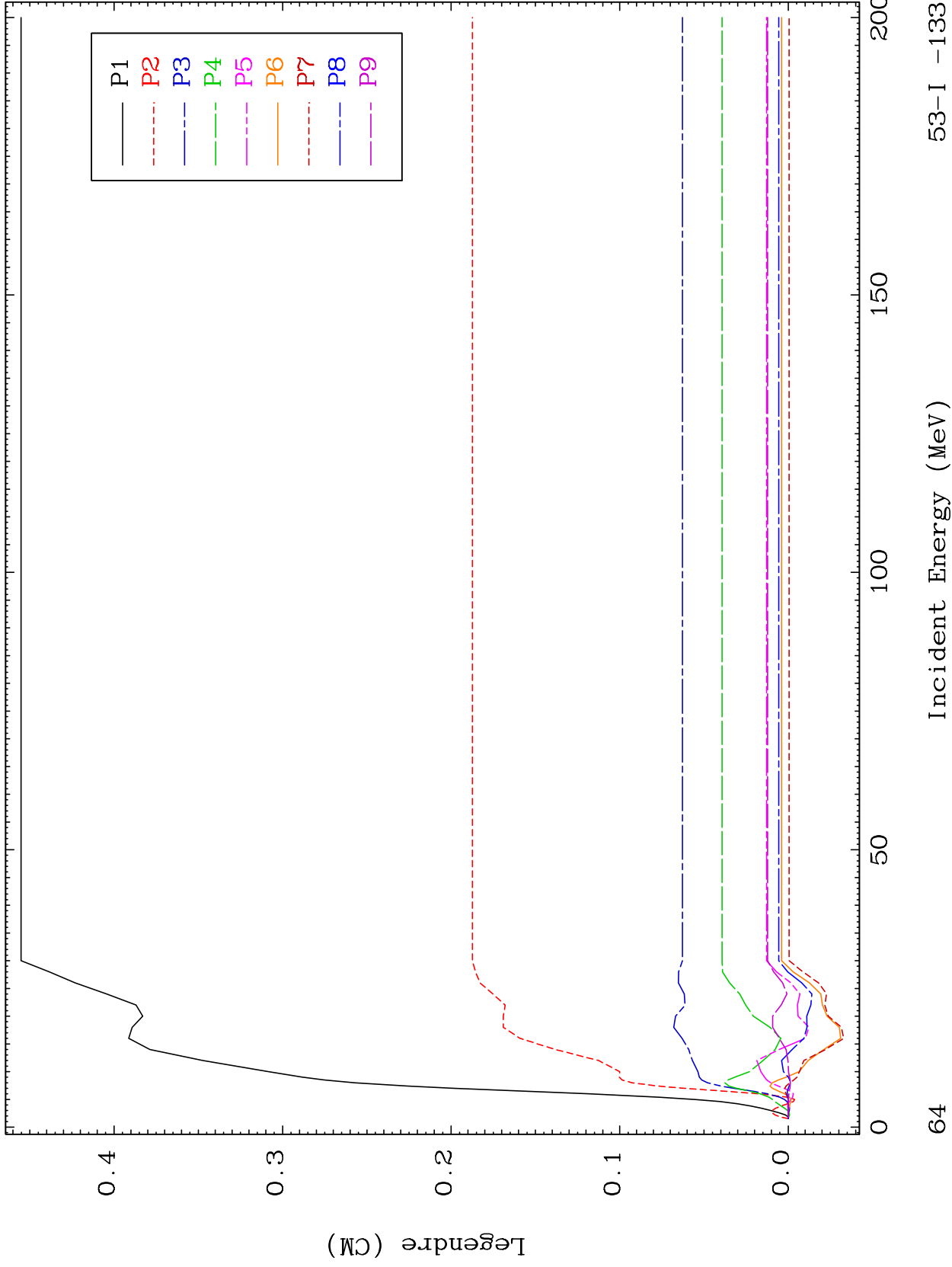


53-I -133





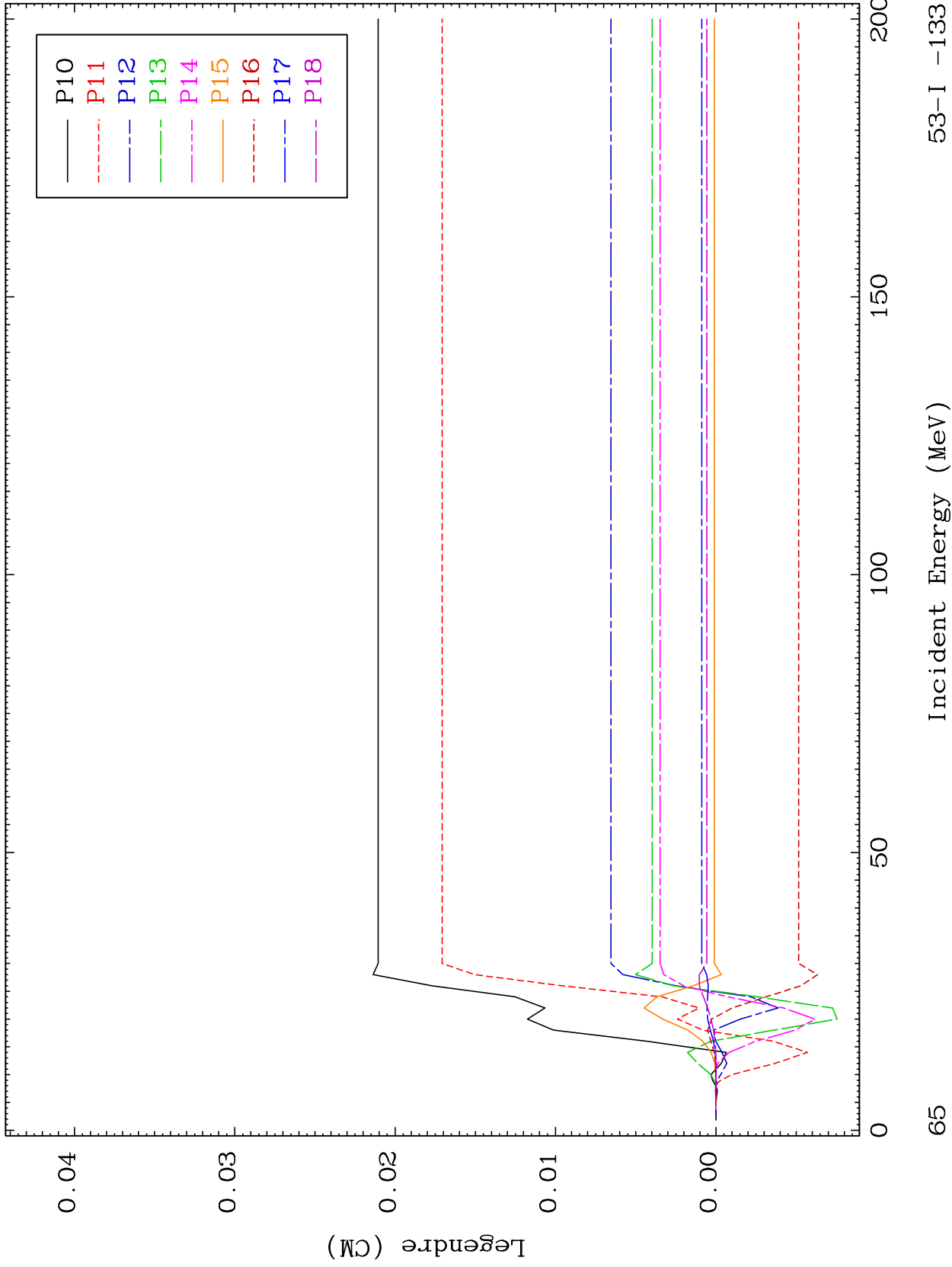




MAT 5343

1.516 MeV (n,n') Level
Legendre Coefficients

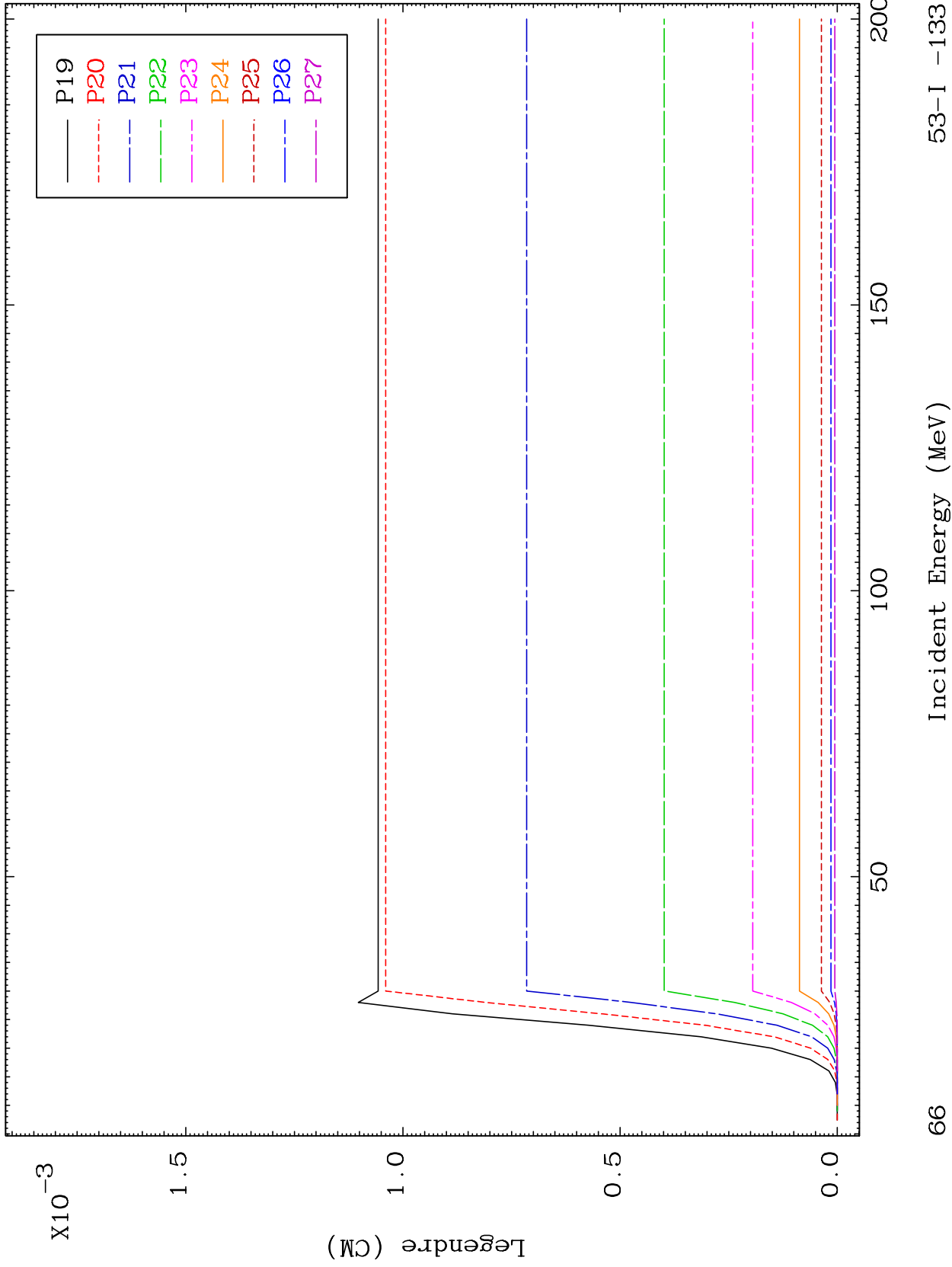
53-I -133

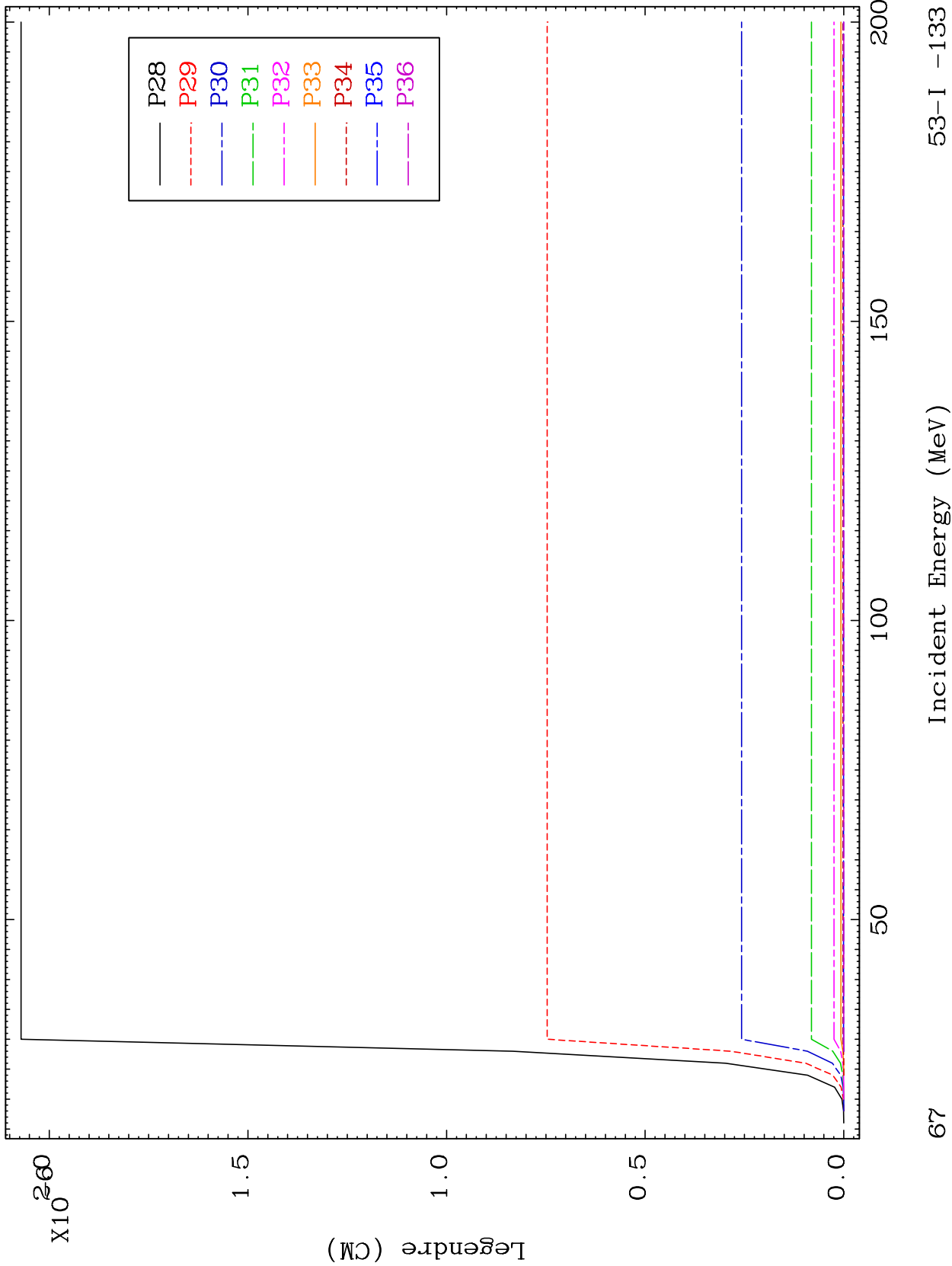


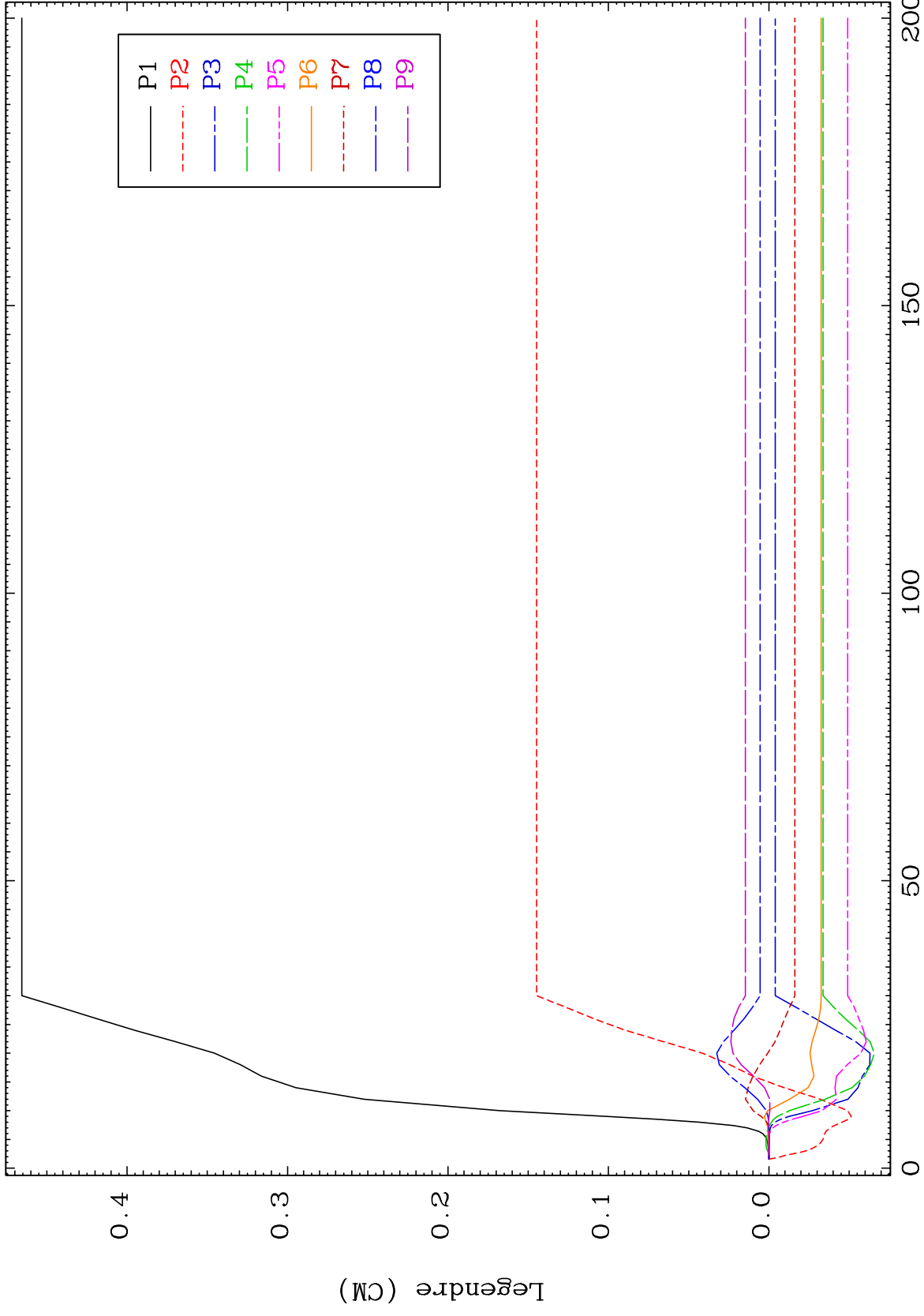
53-I -133

Incident Energy (MeV)

65



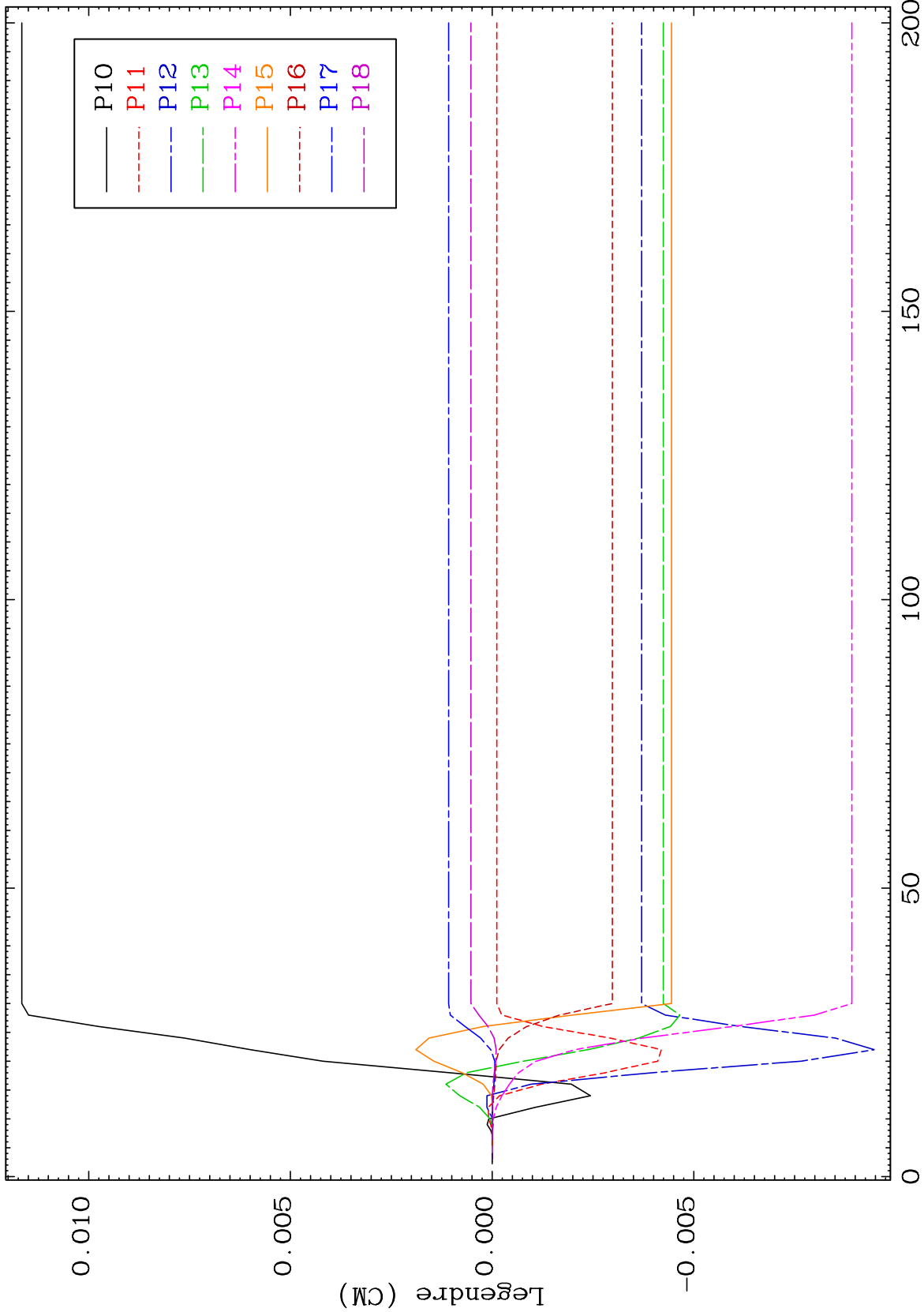




MAT 5343

1.560 MeV (n,n') Level
Legendre Coefficients

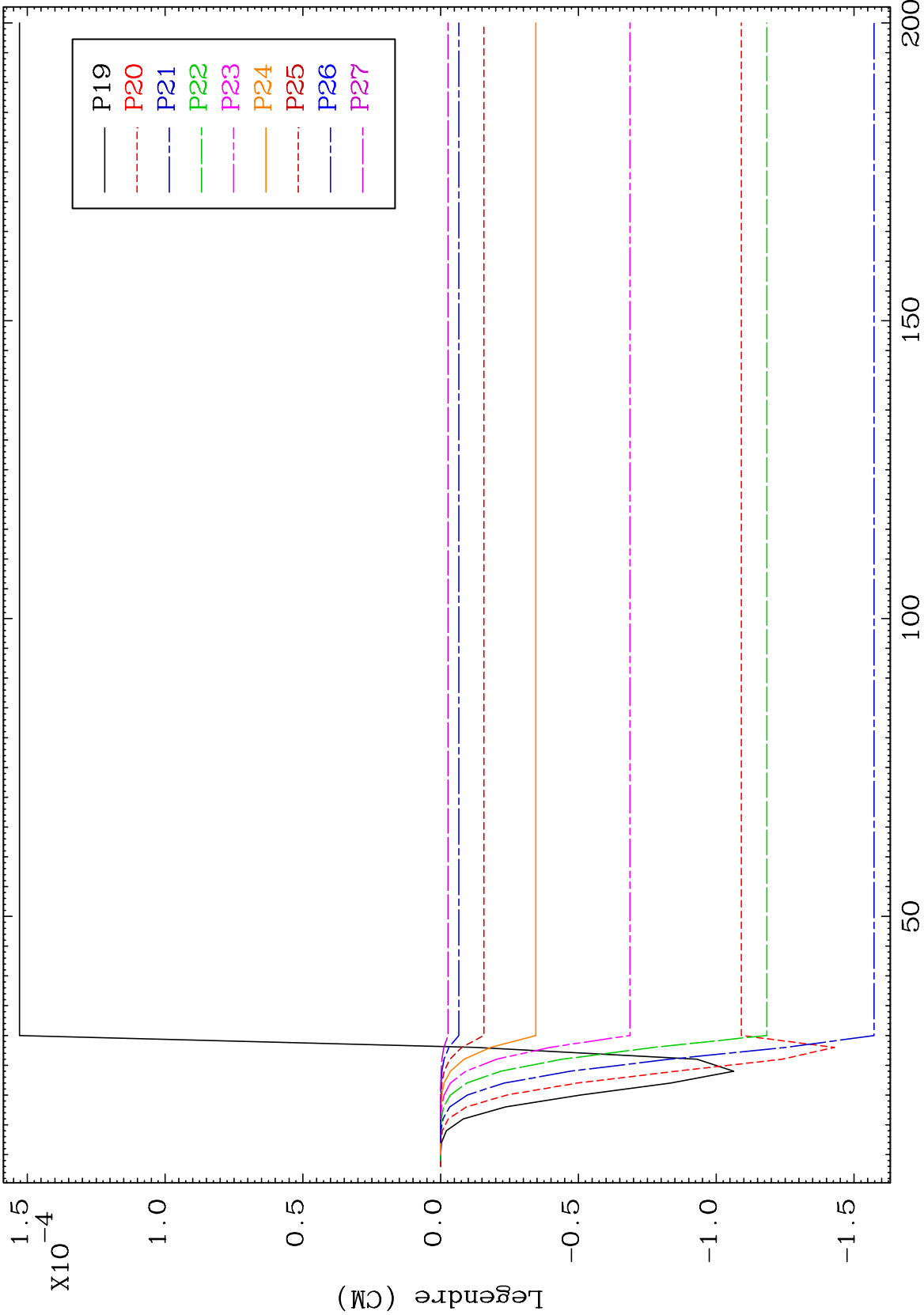
53-I -133

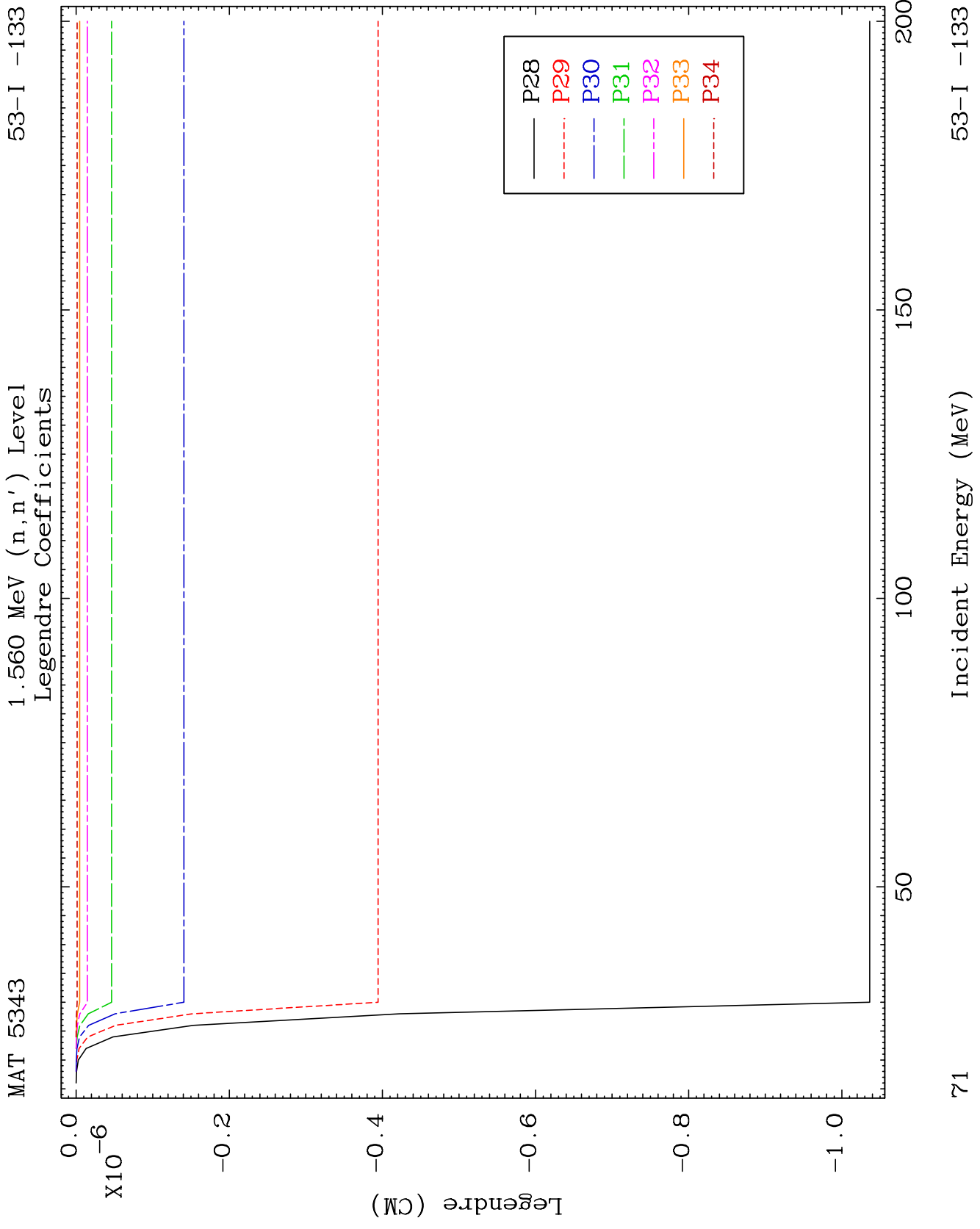


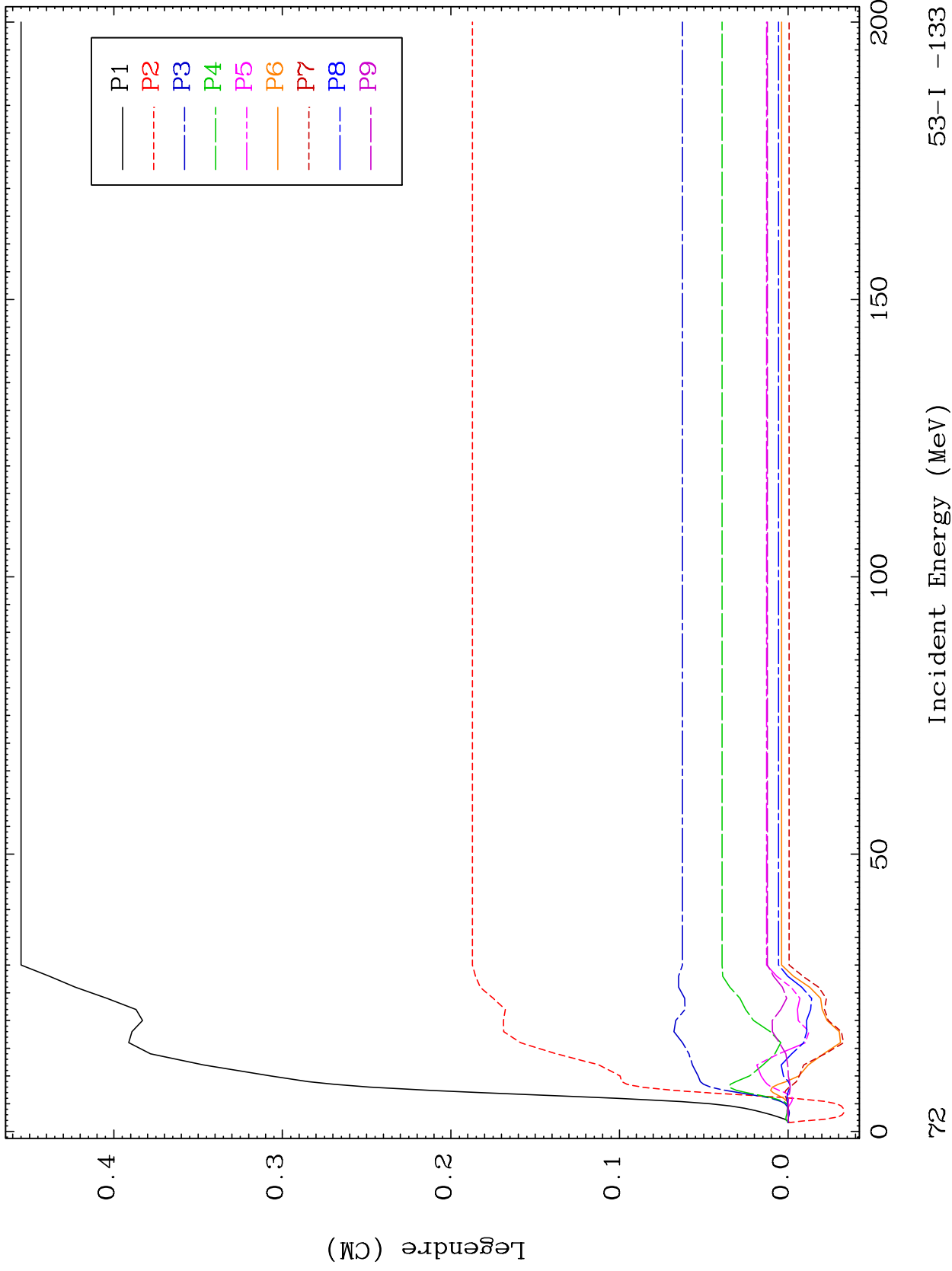
69

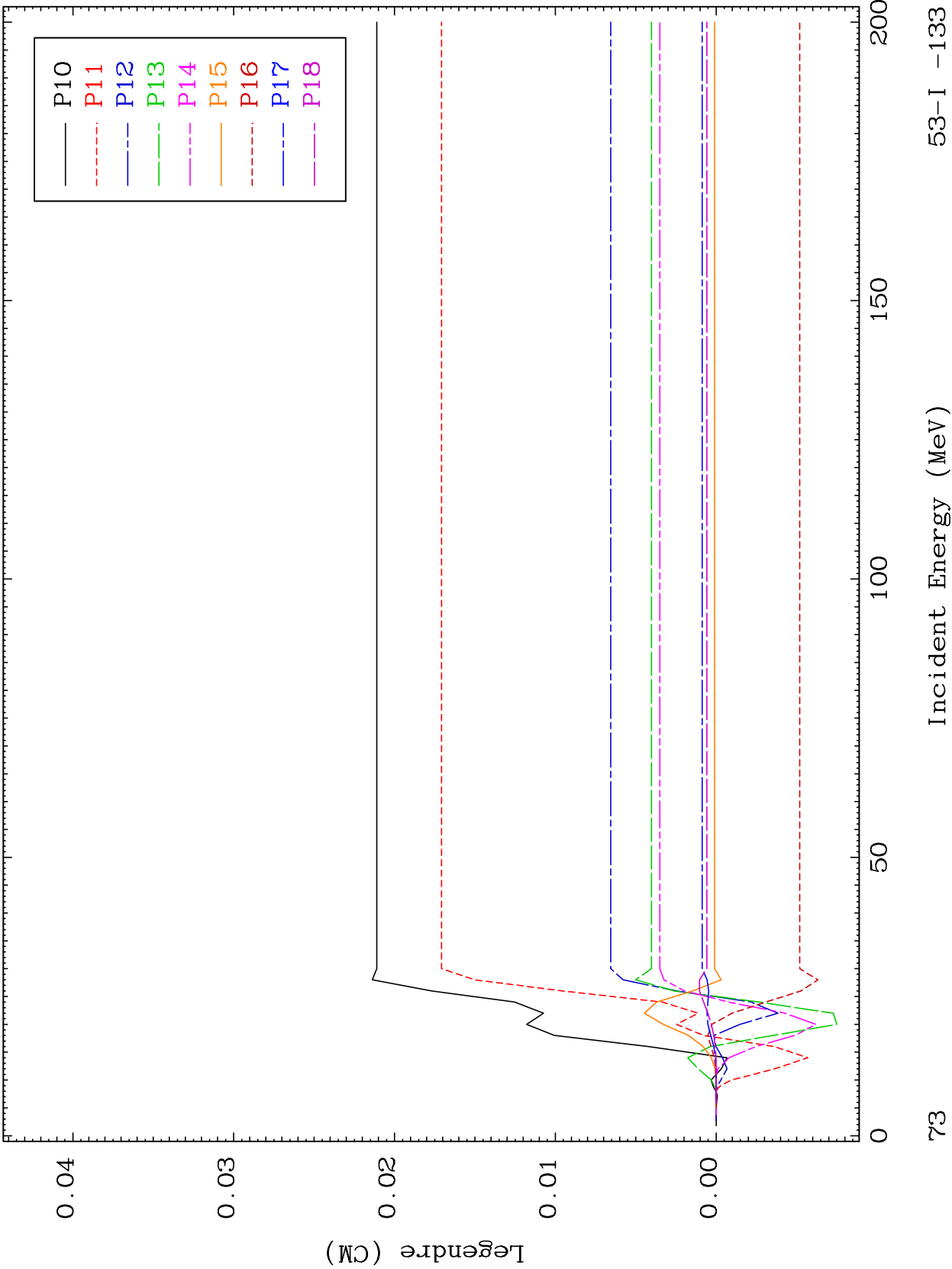
Incident Energy (MeV)

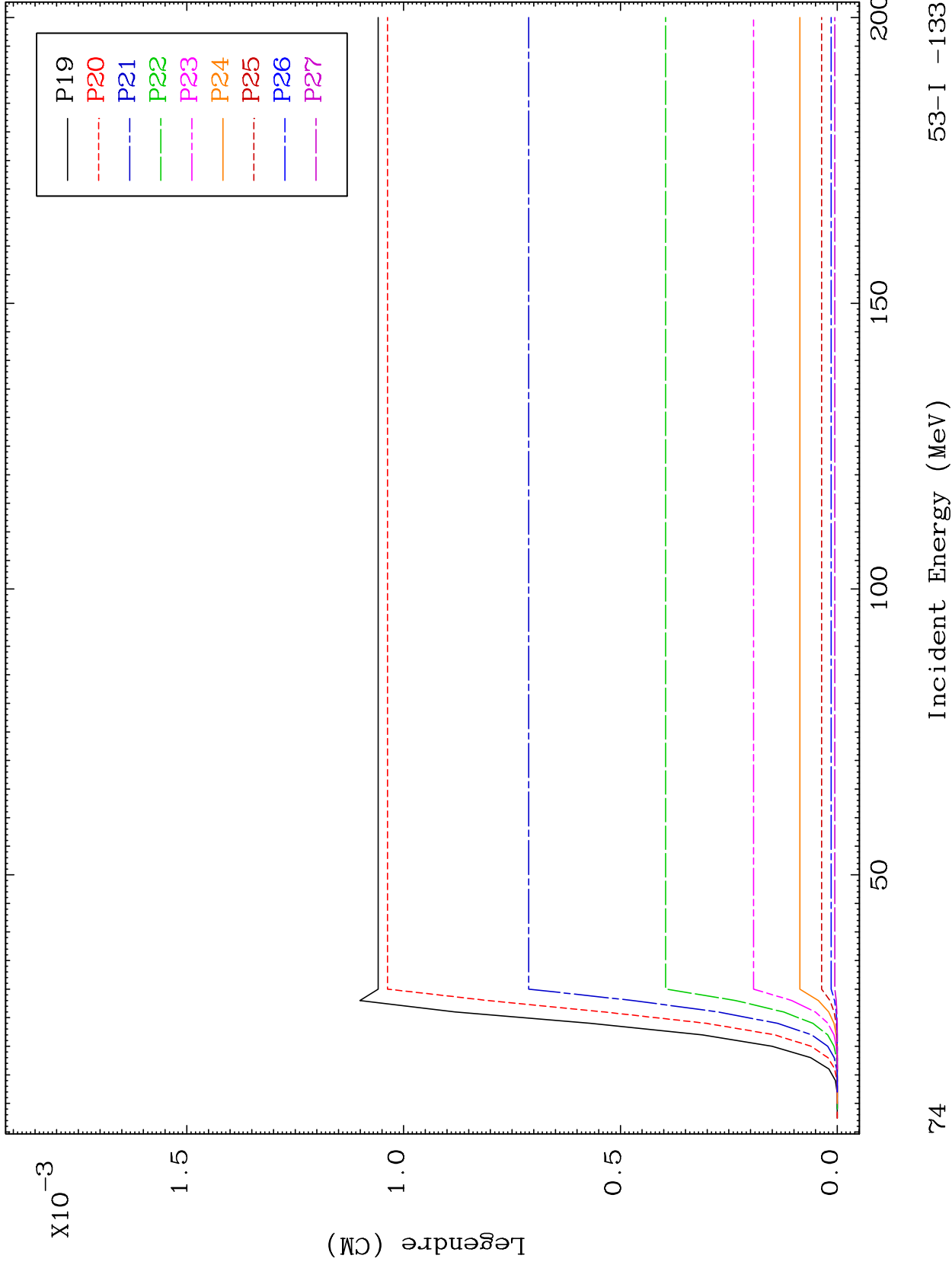
53-I -133







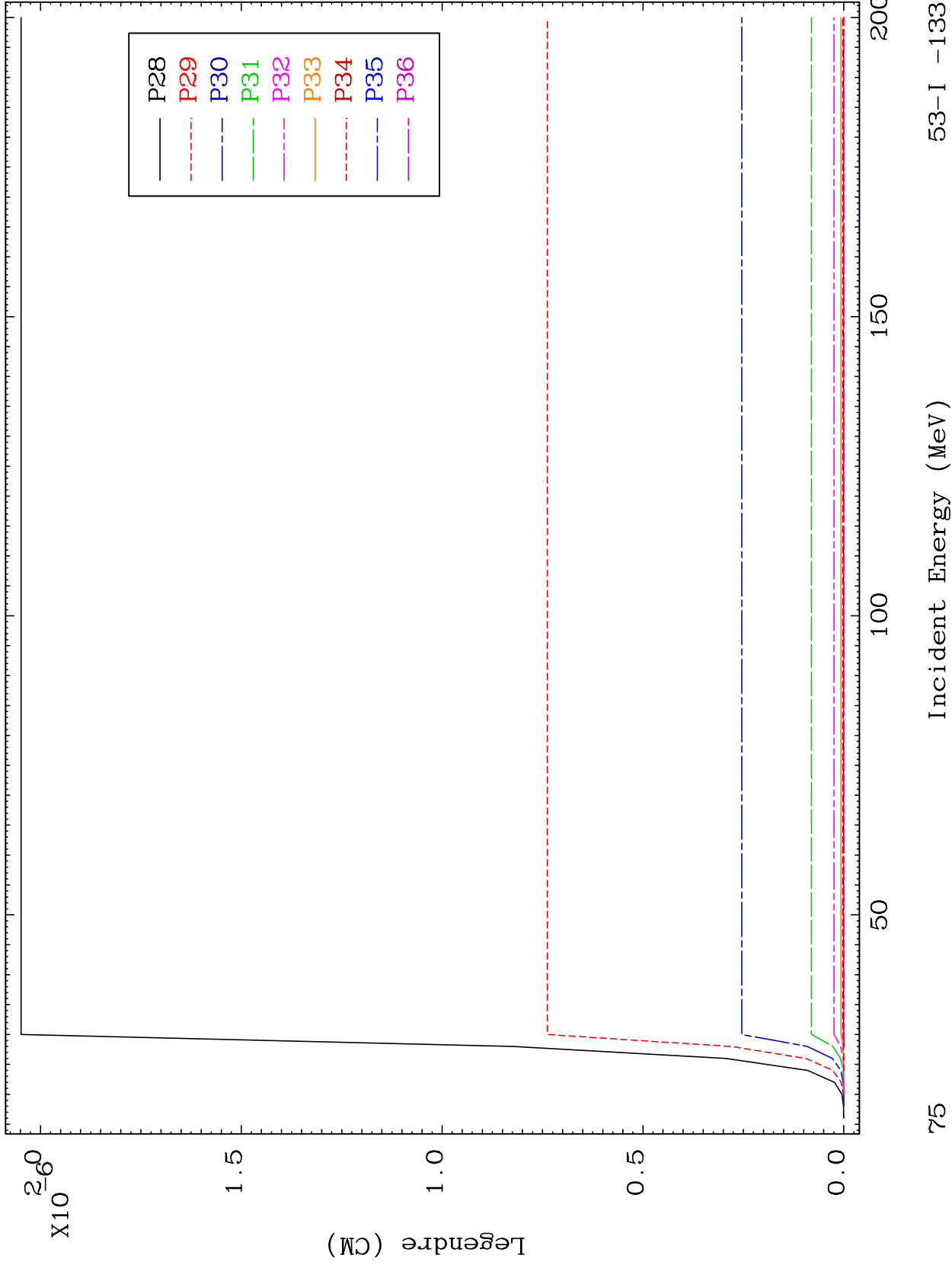


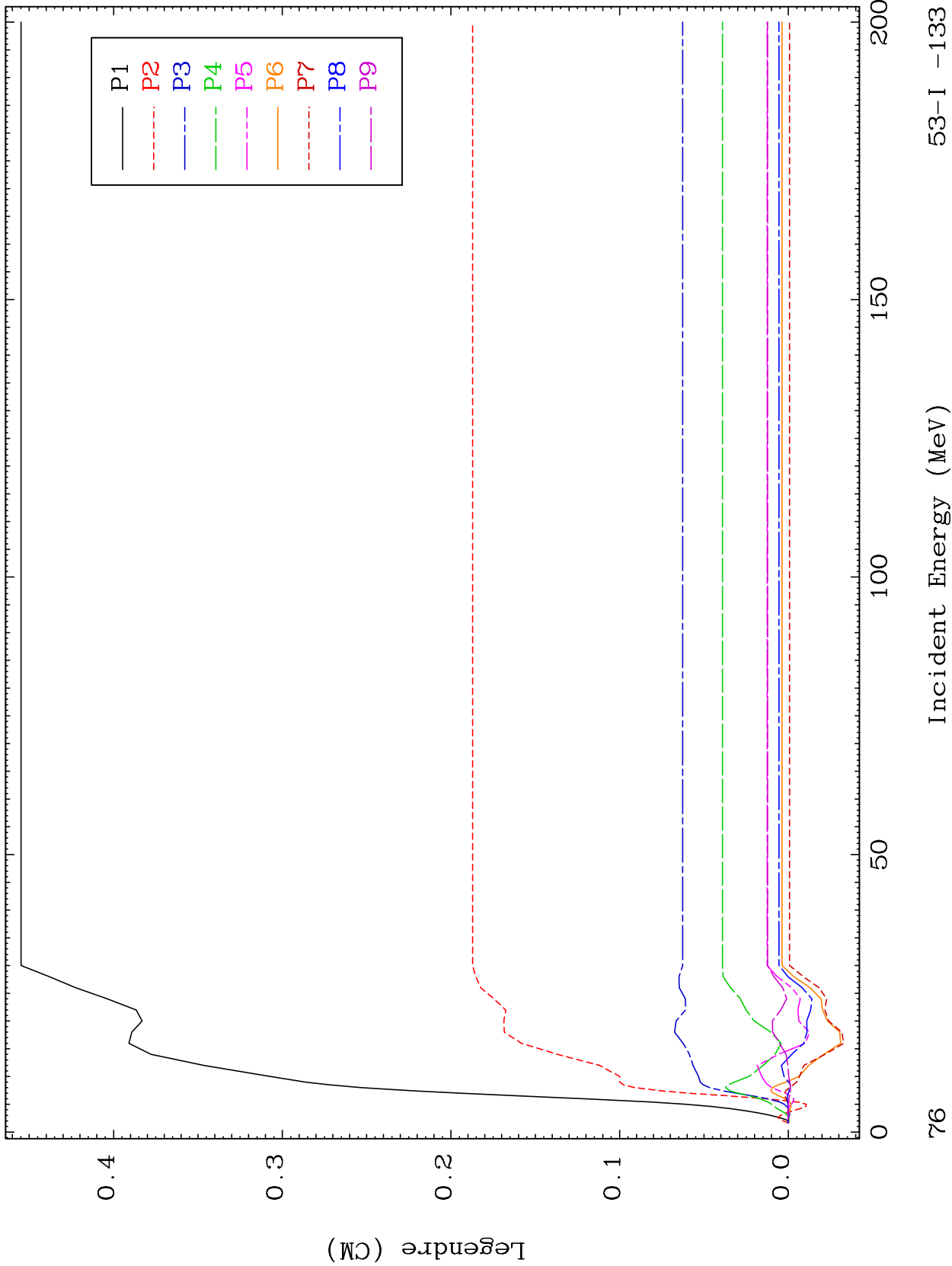


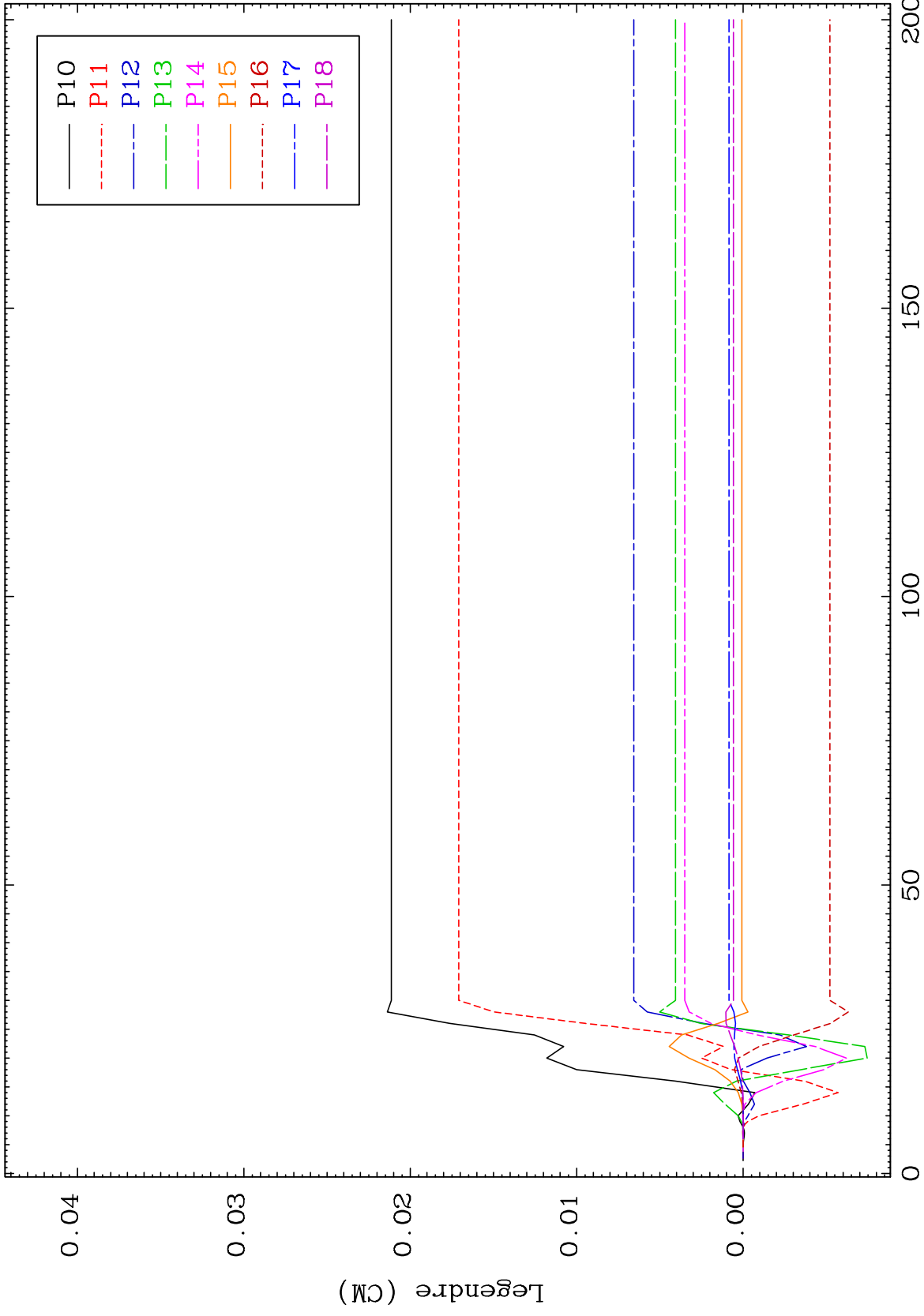
MAT 5343

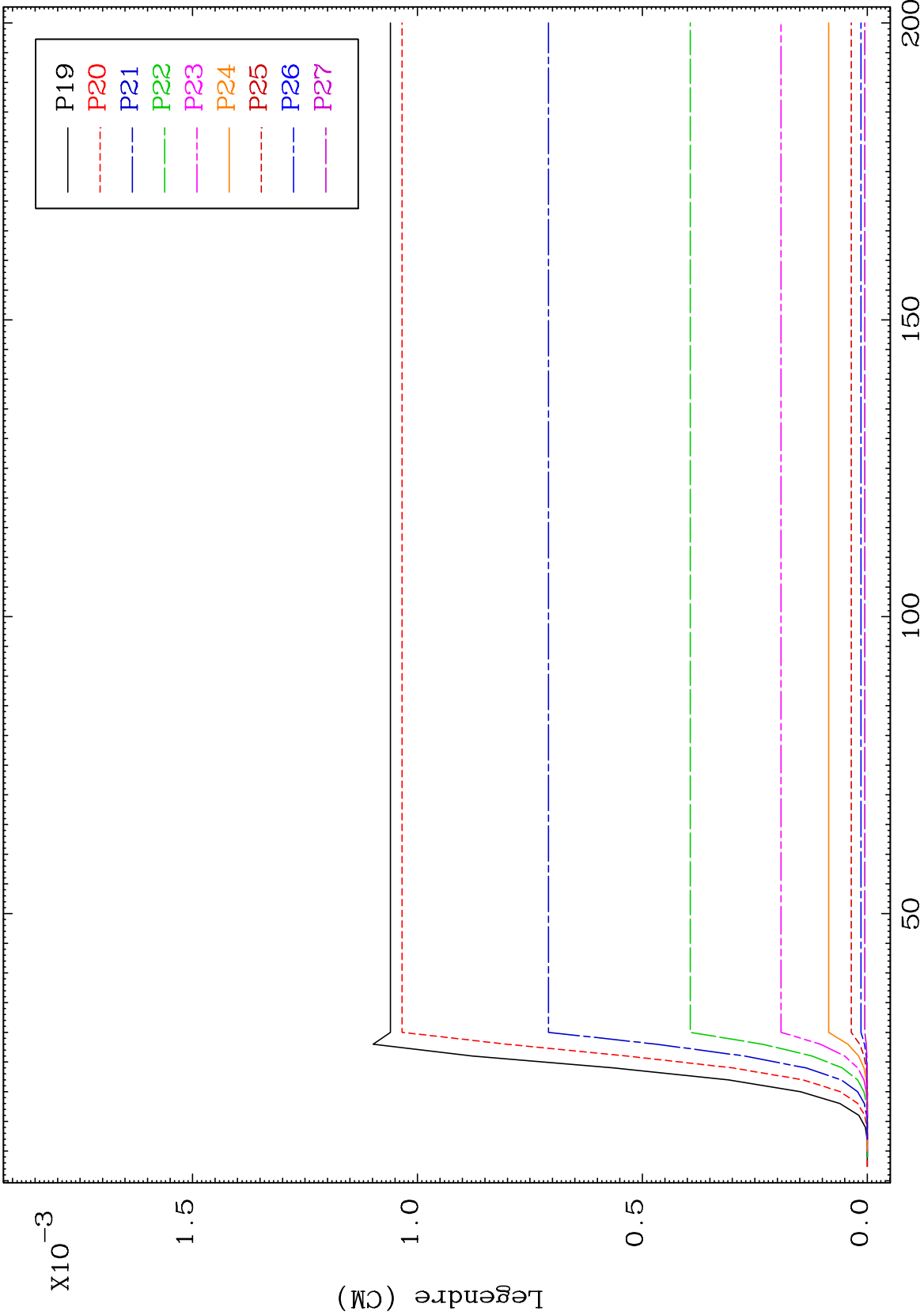
1.564 MeV (n,n') Level
Legendre Coefficients

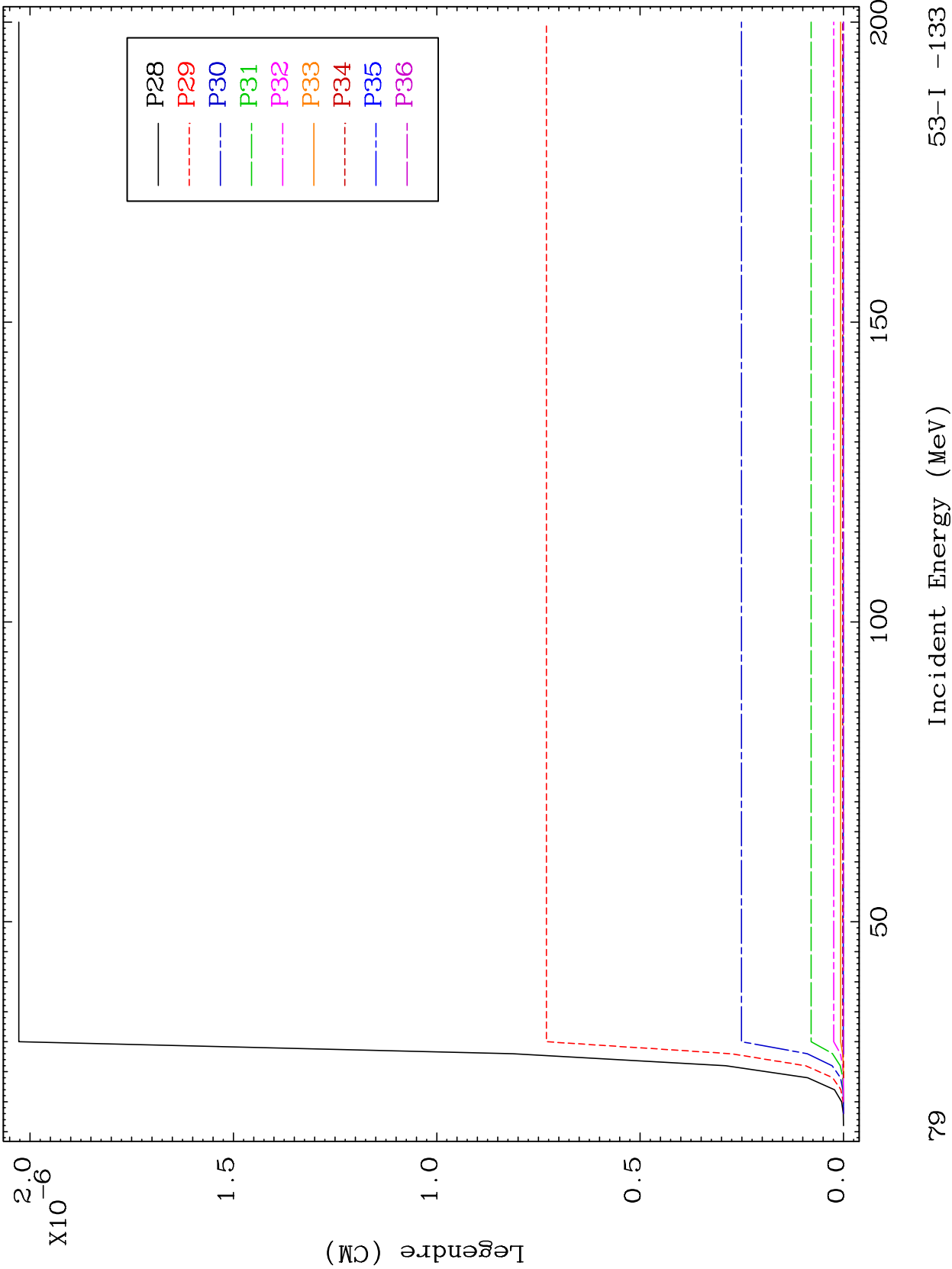
53-I -133







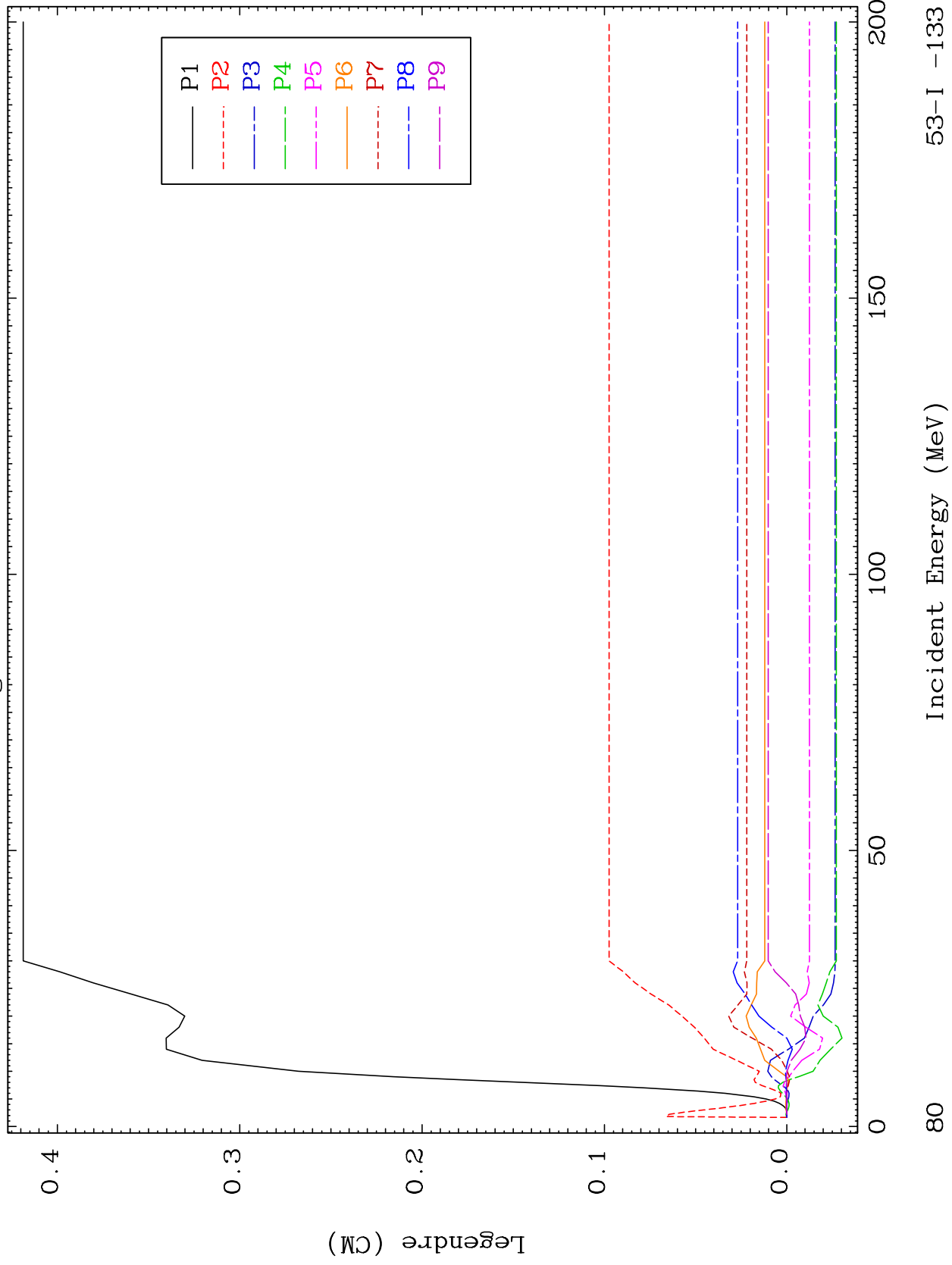




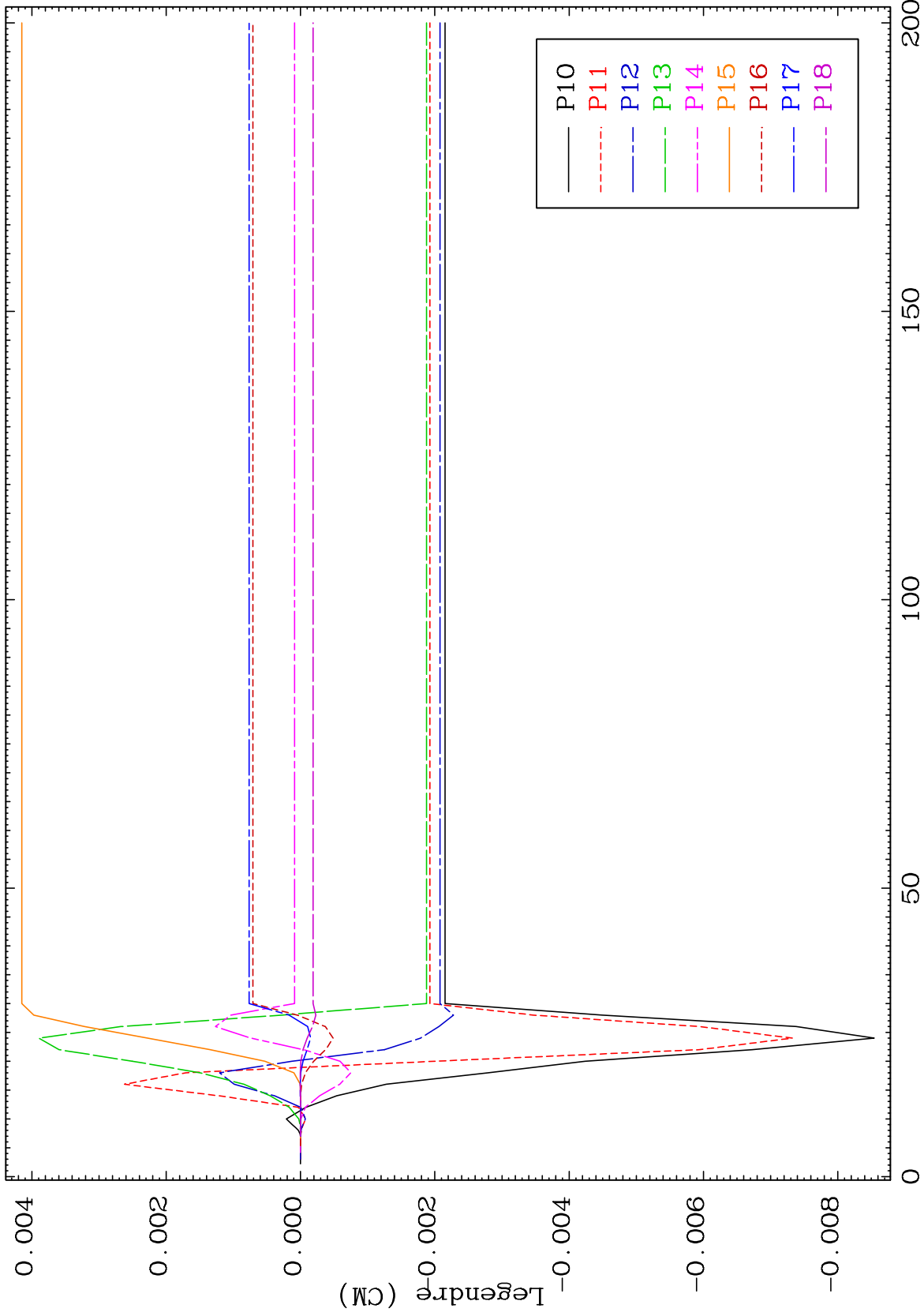
MAT 5343

1.634 MeV (n,n') Level
Legendre Coefficients

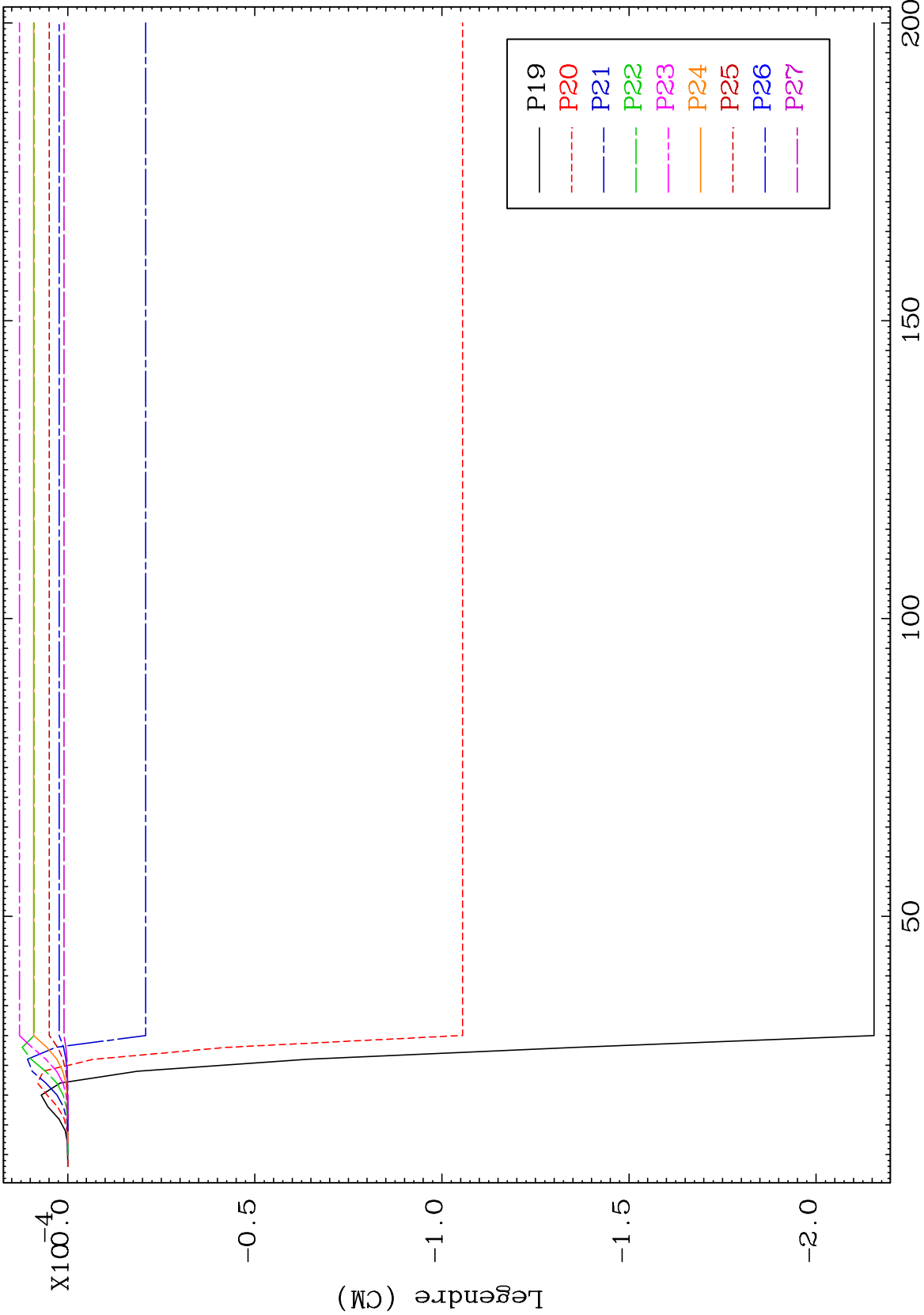
53-I -133

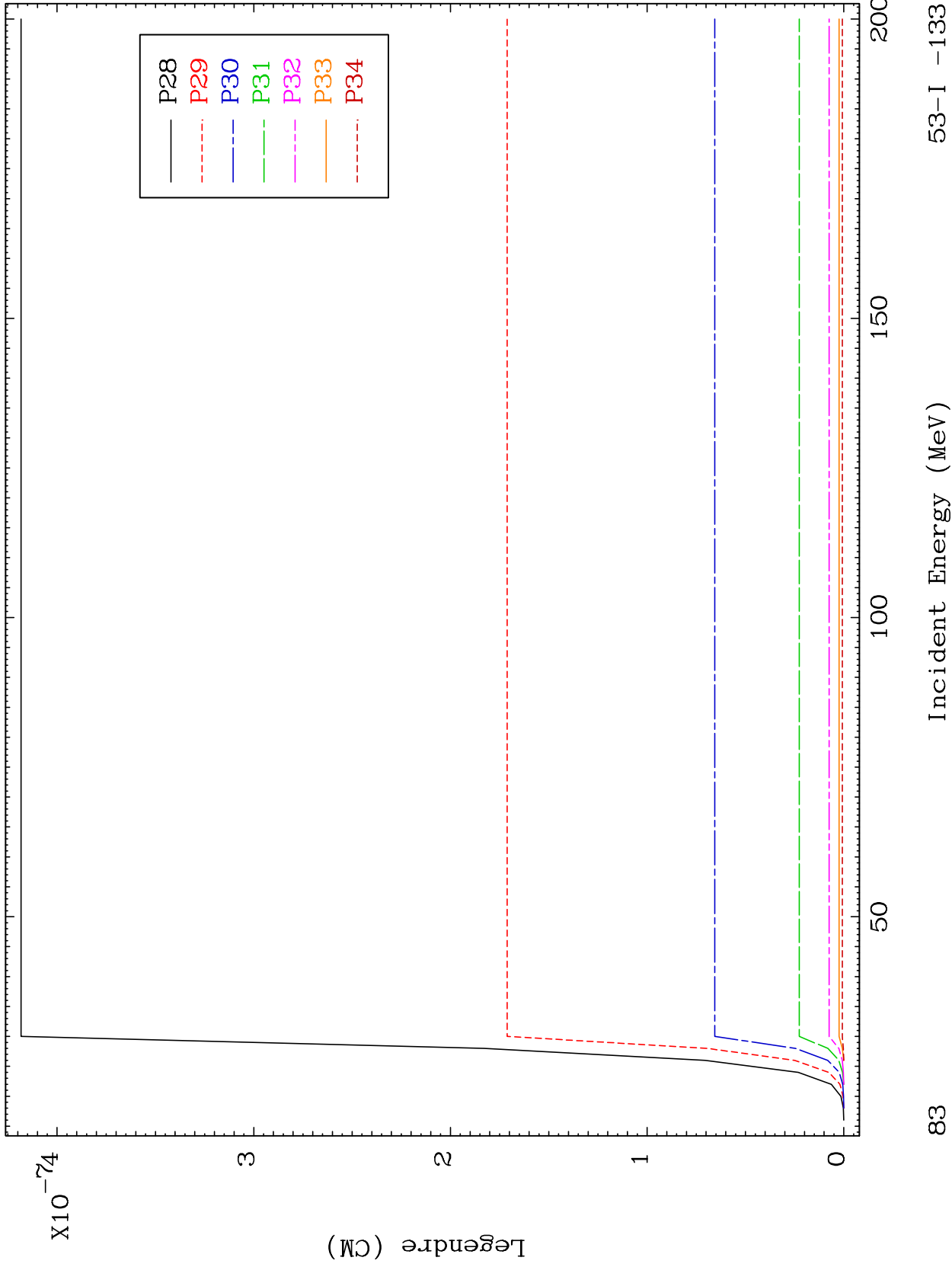


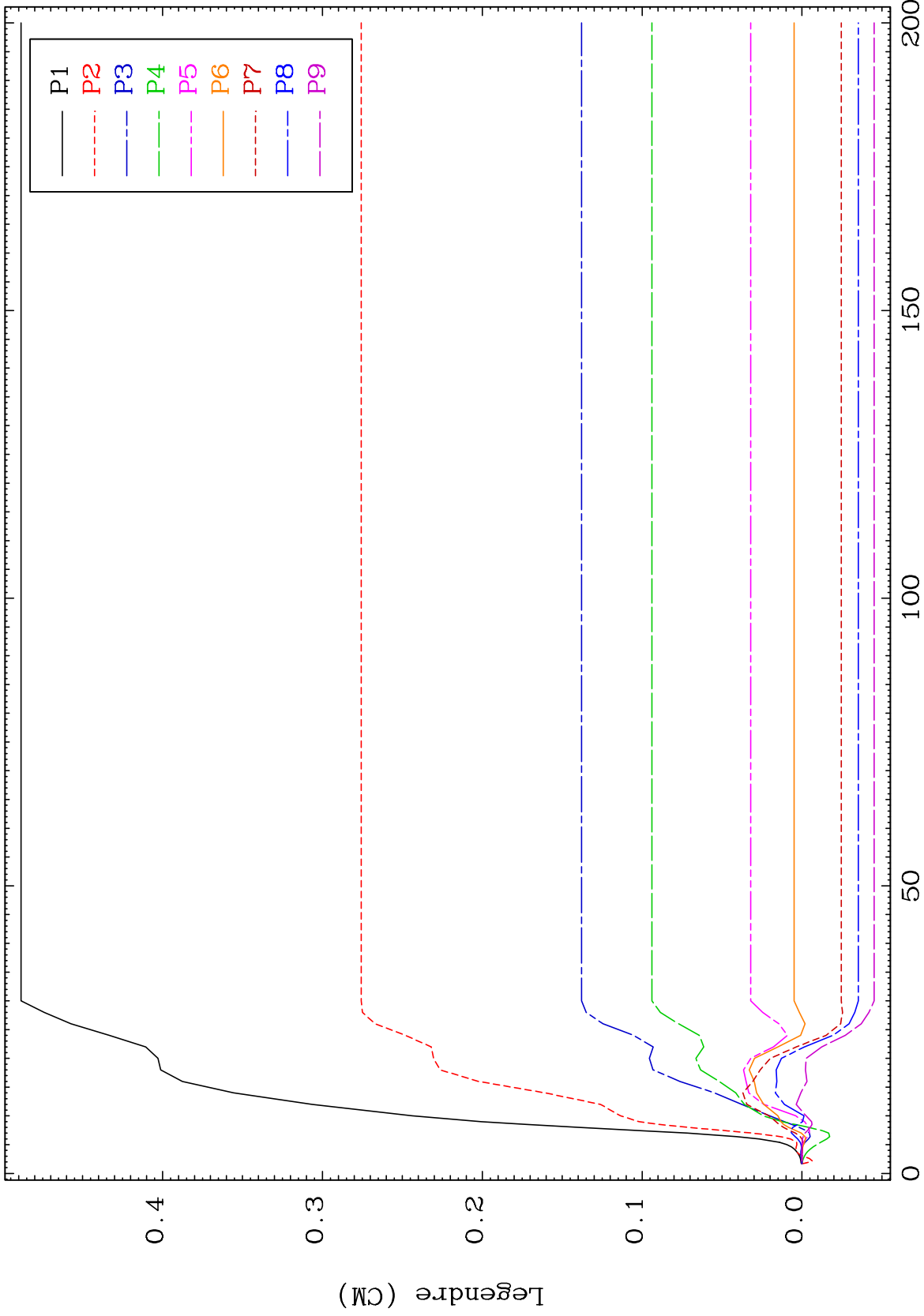
53-I -133

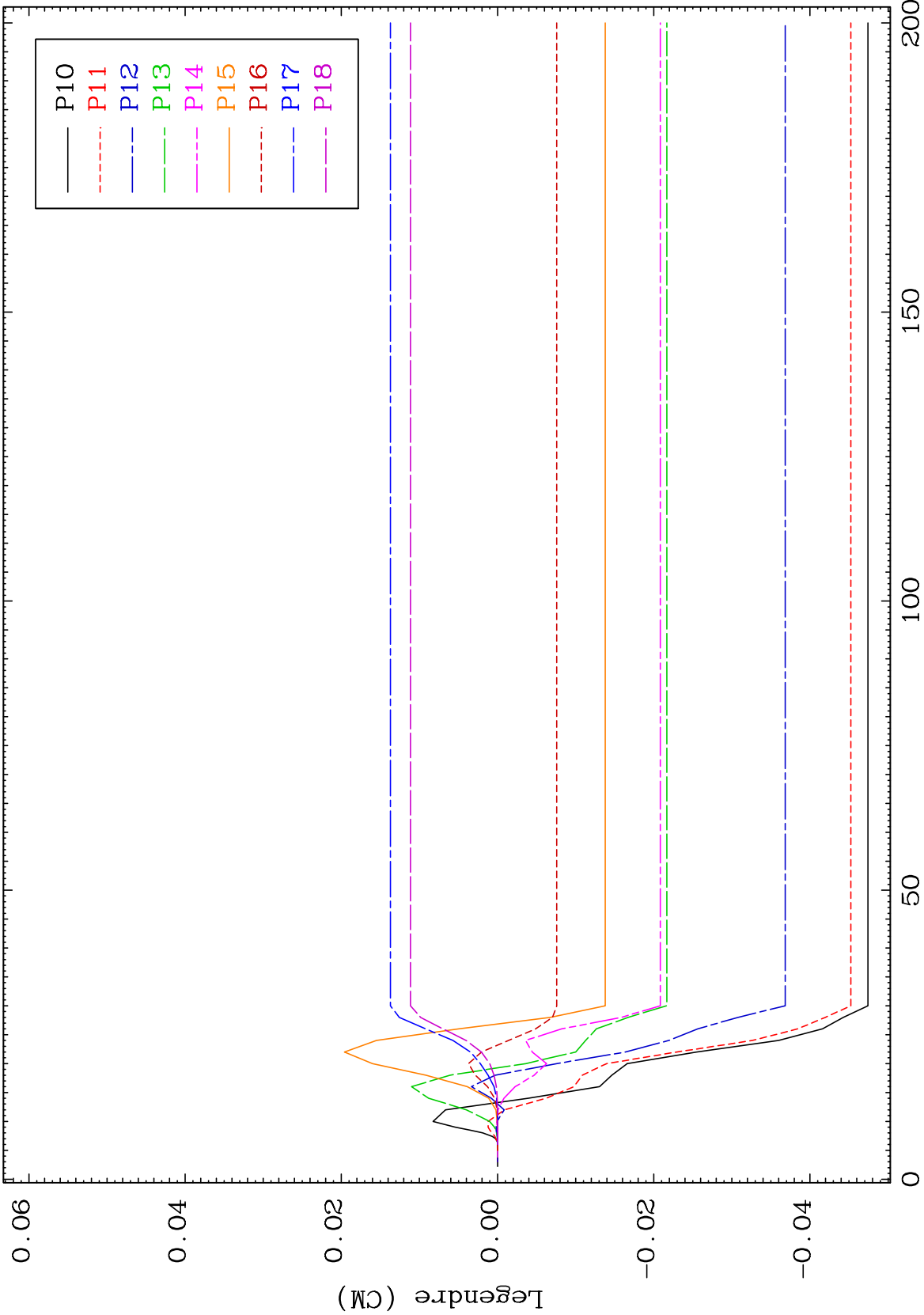


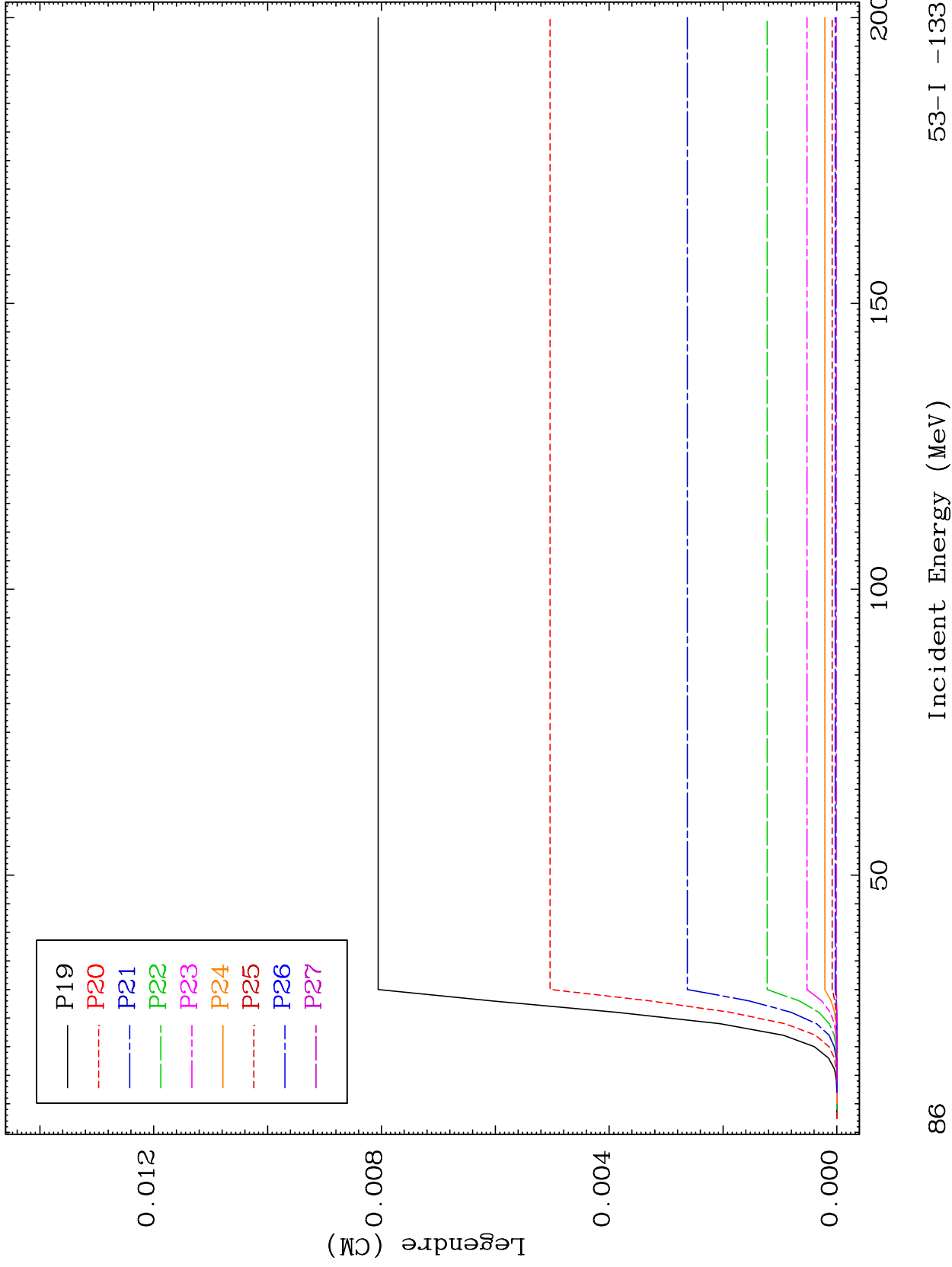
Legendre Coefficients

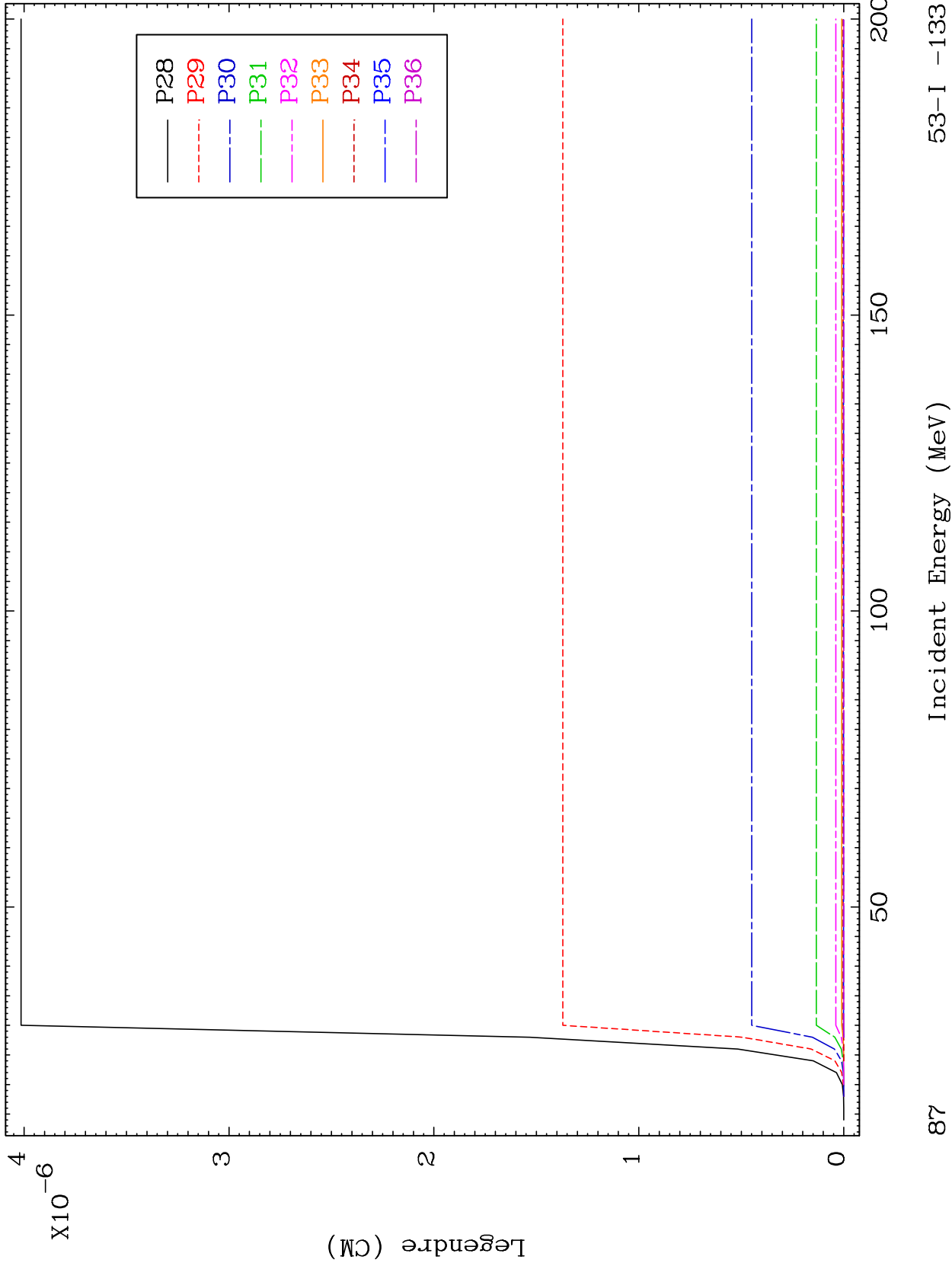


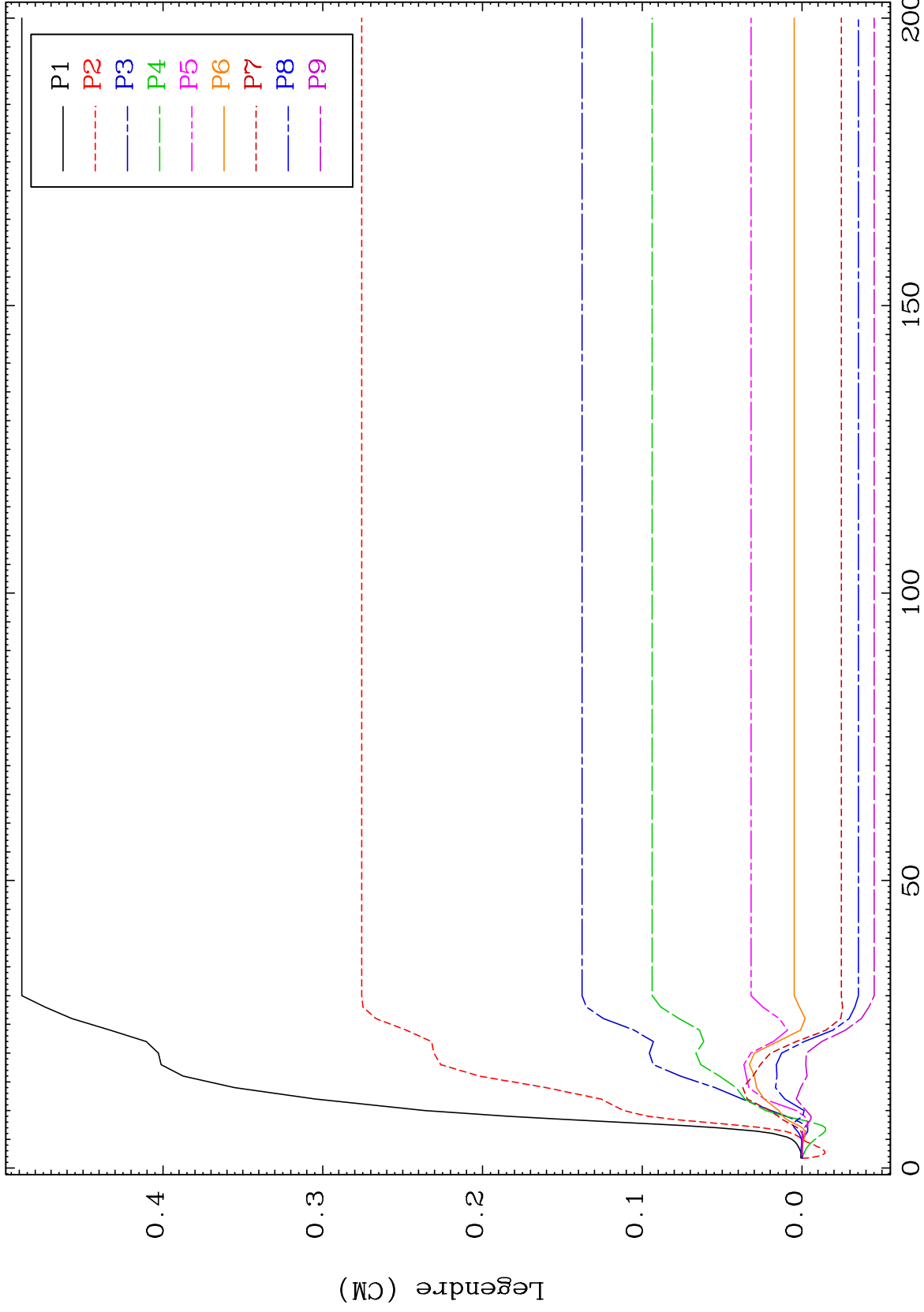


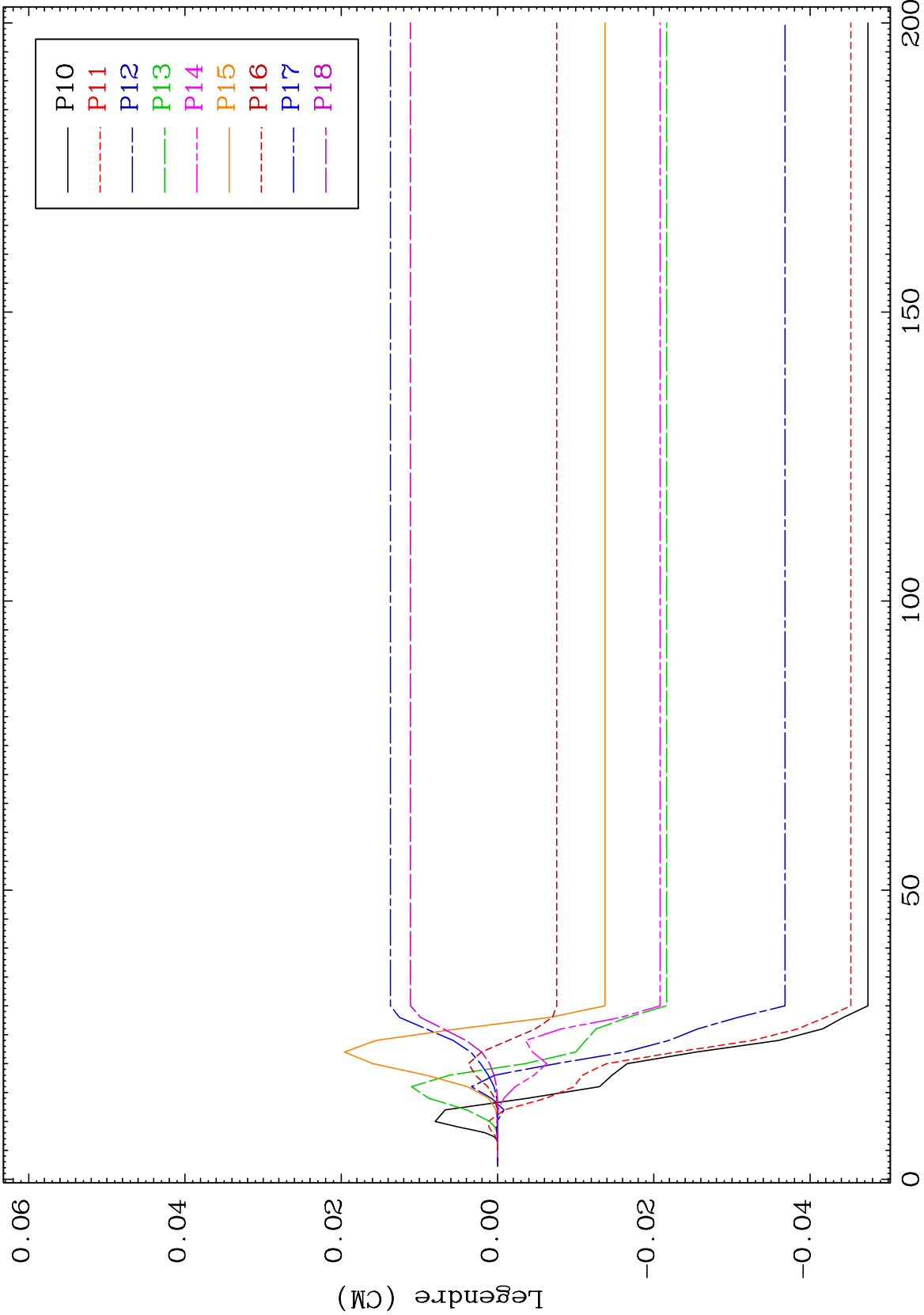


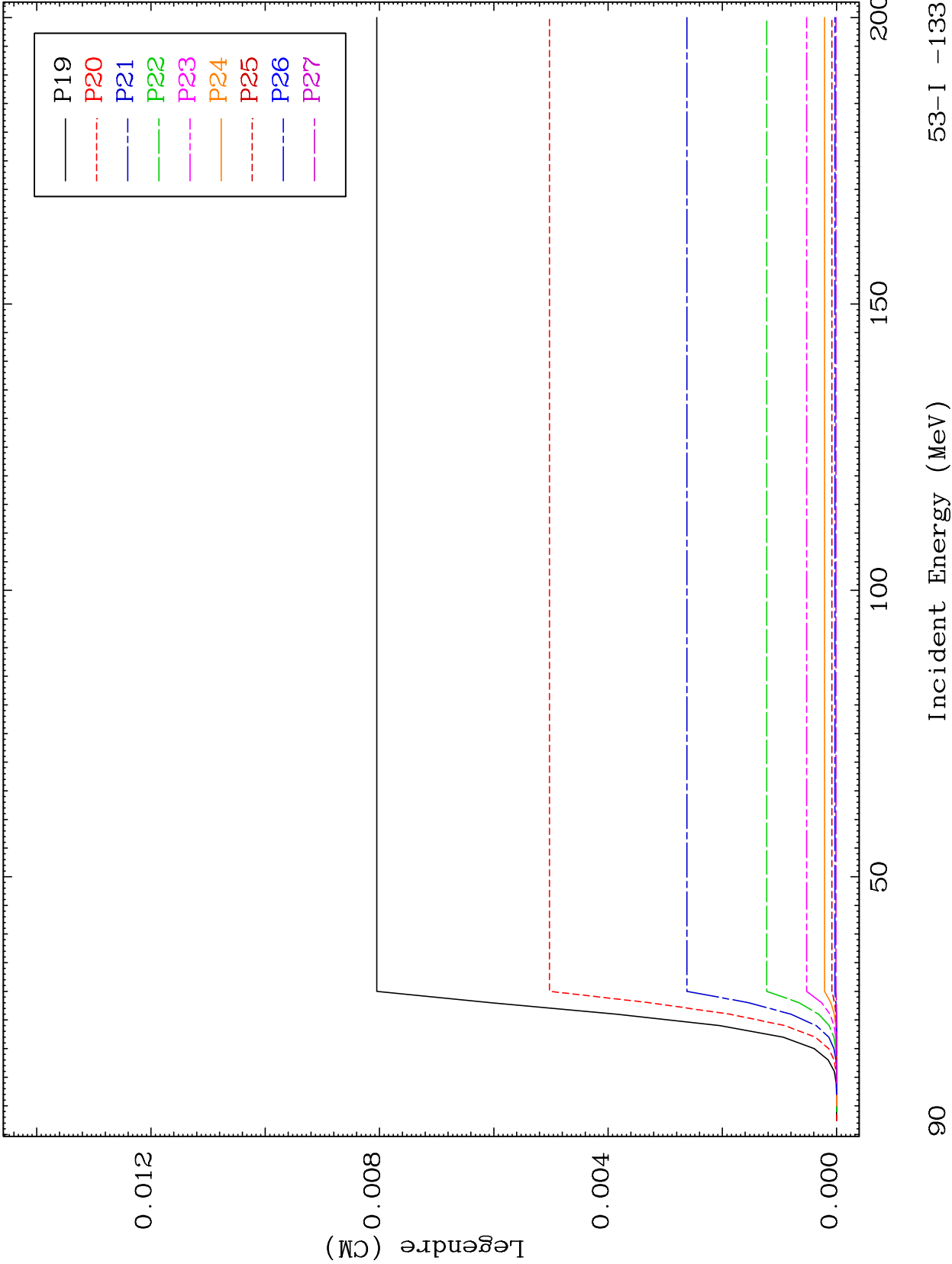


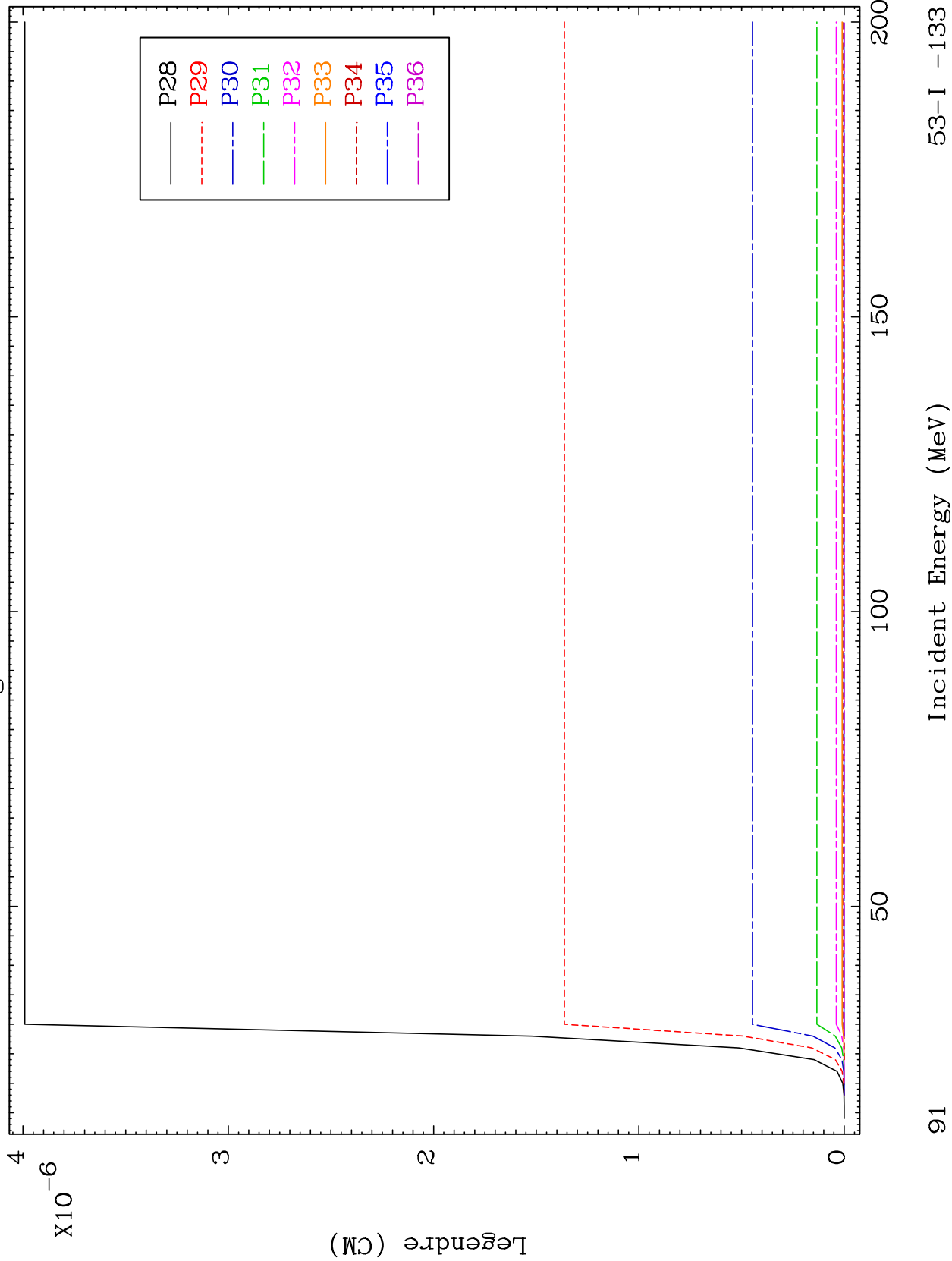








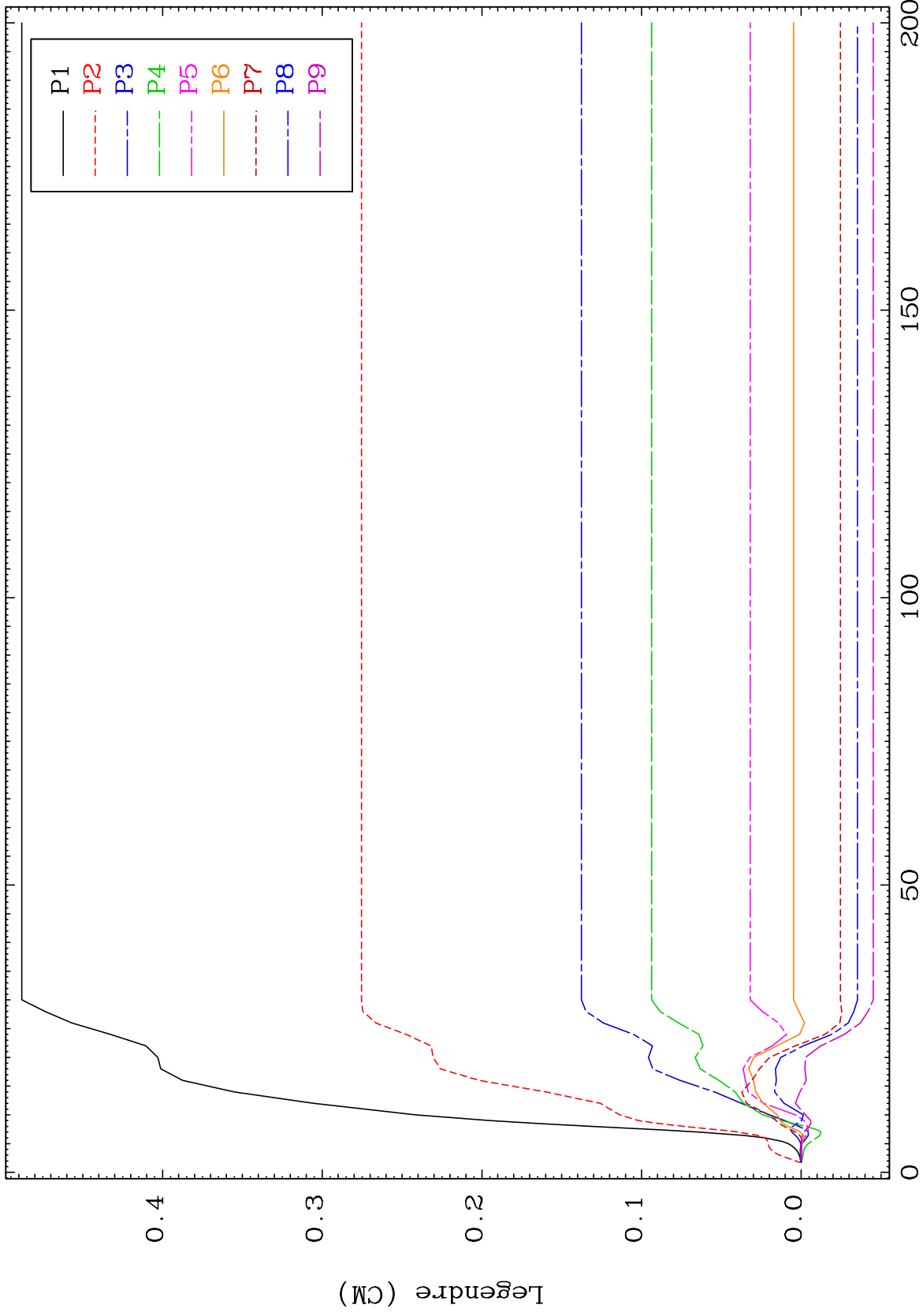




MAT 5343

1.704 MeV (n,n') Level
Legendre Coefficients

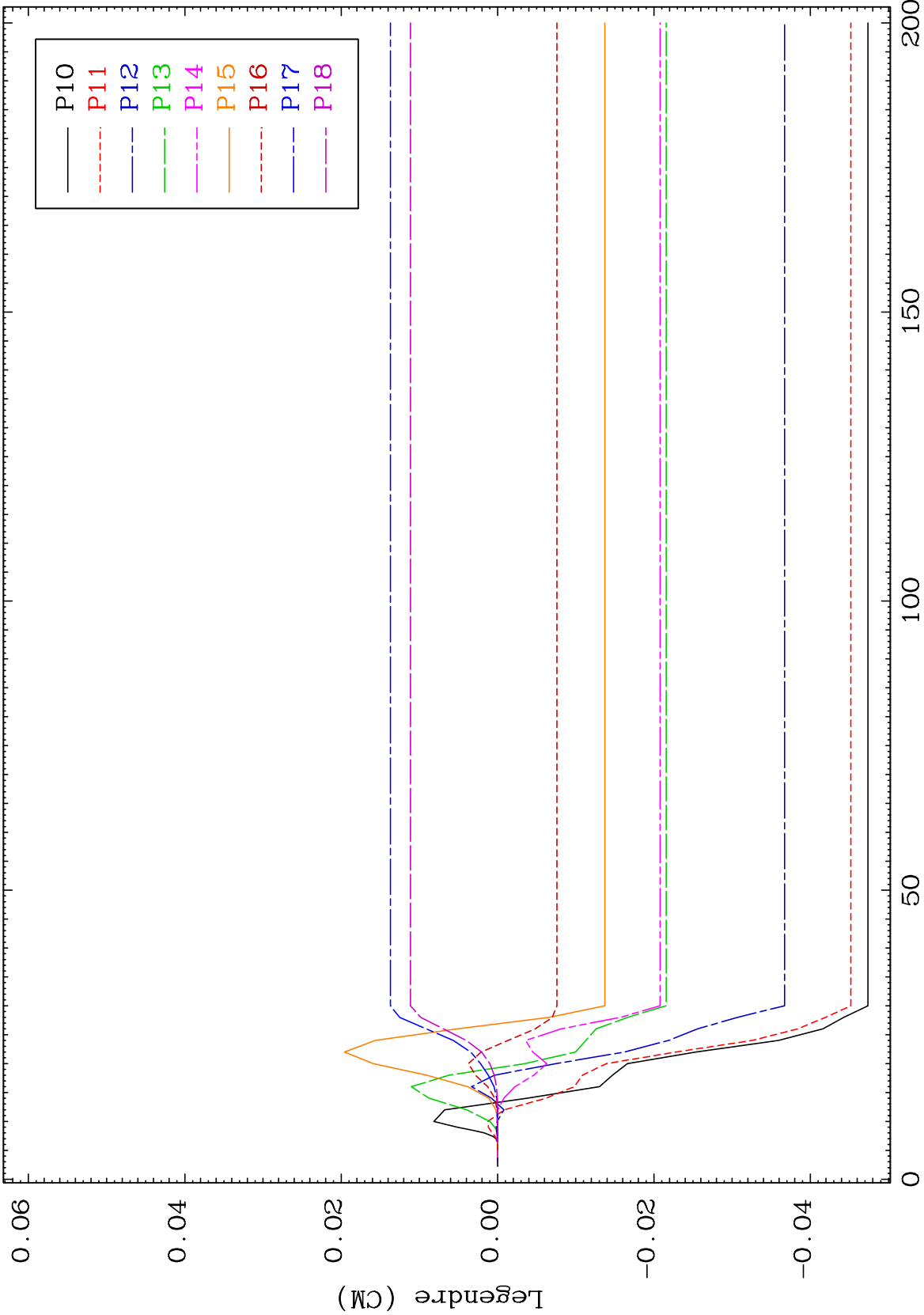
53-I -133

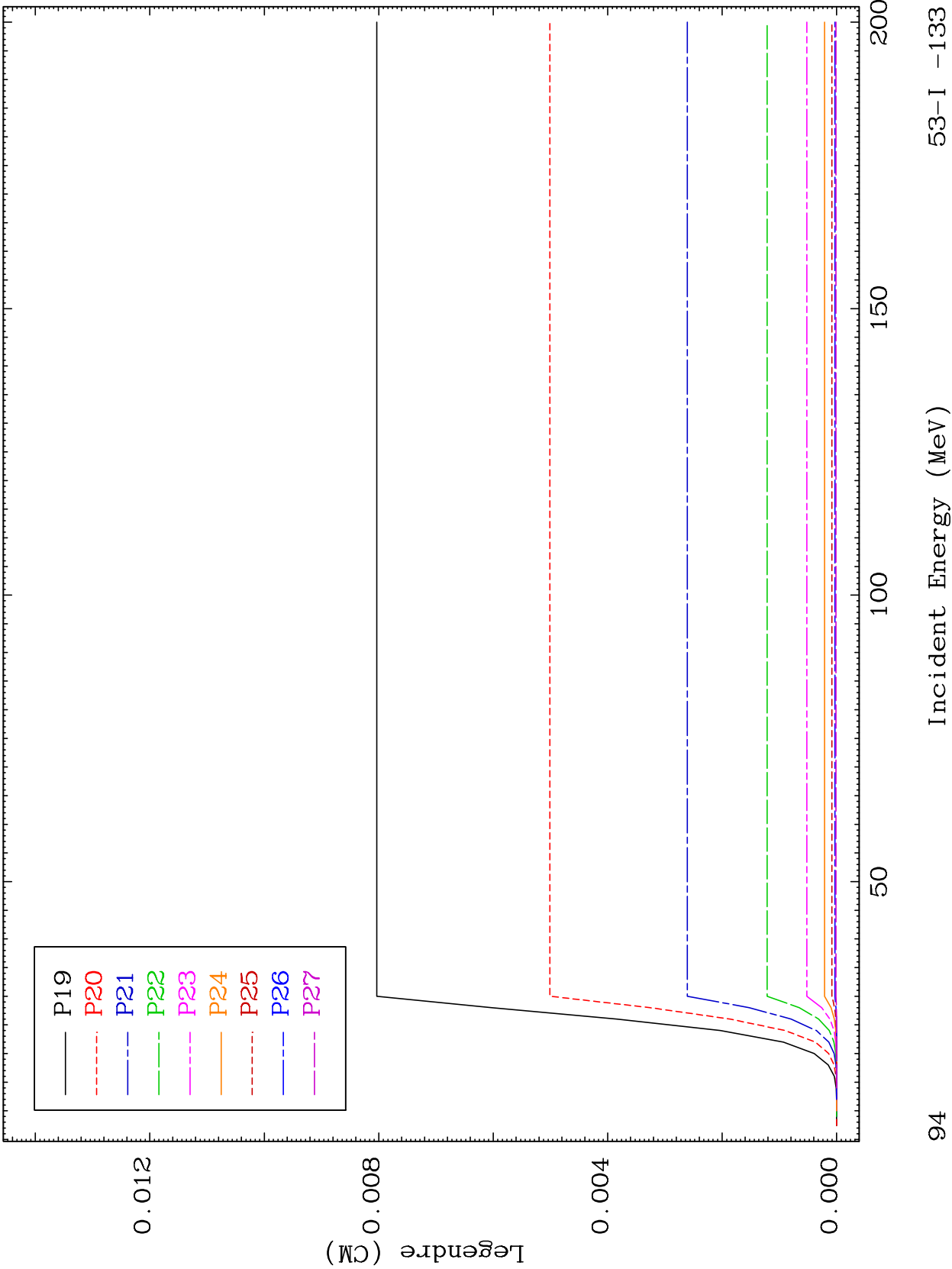


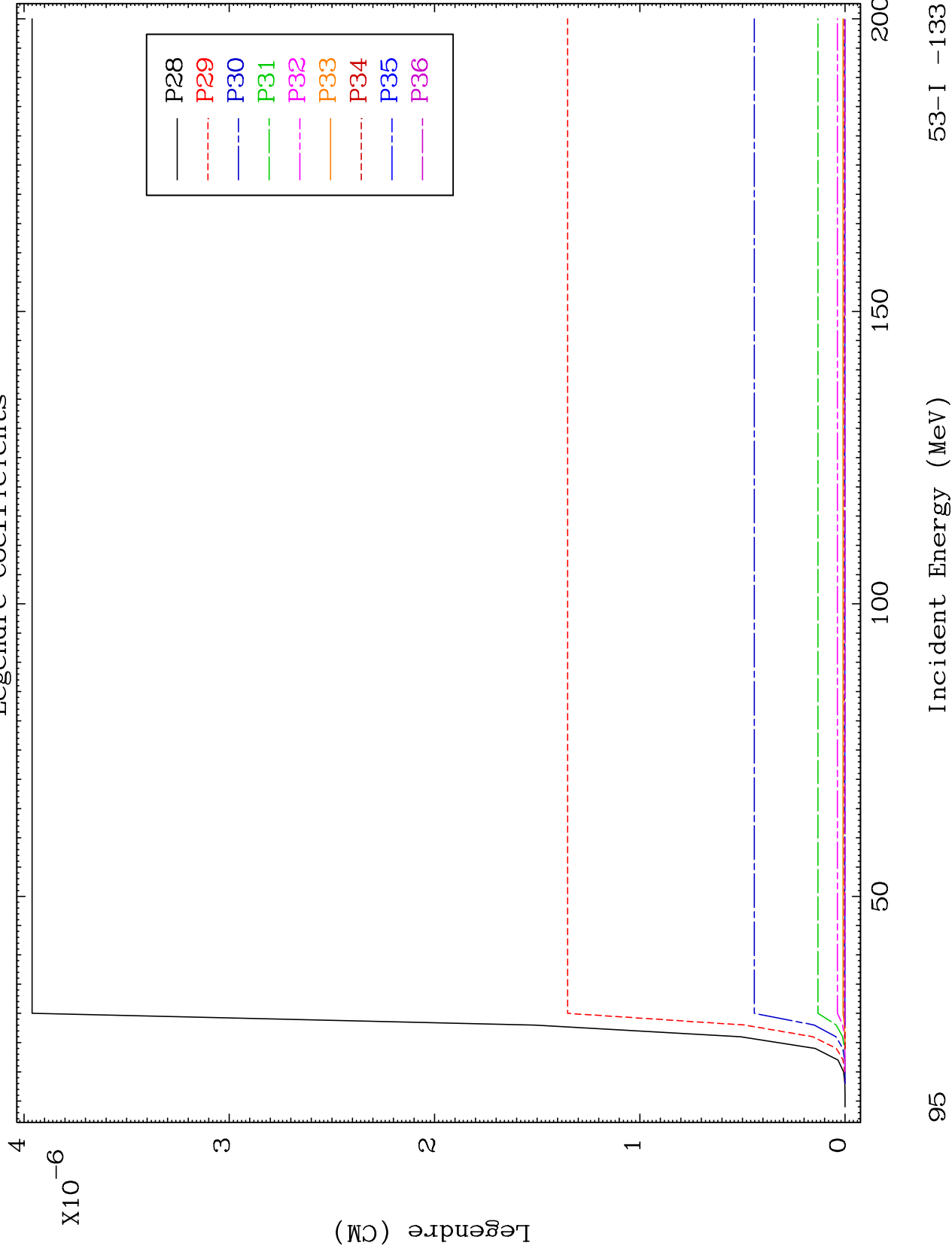
92

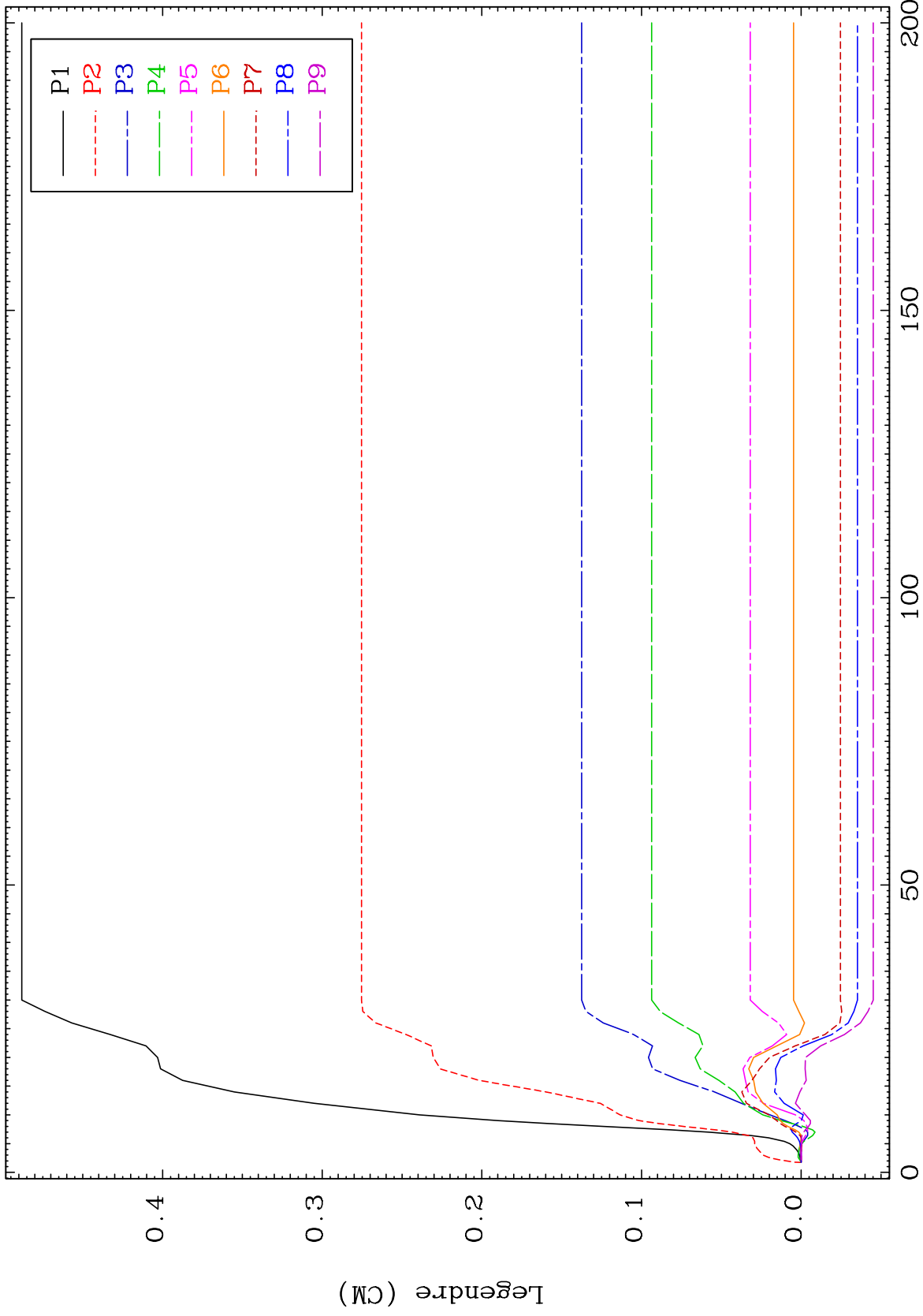
Incident Energy (MeV)

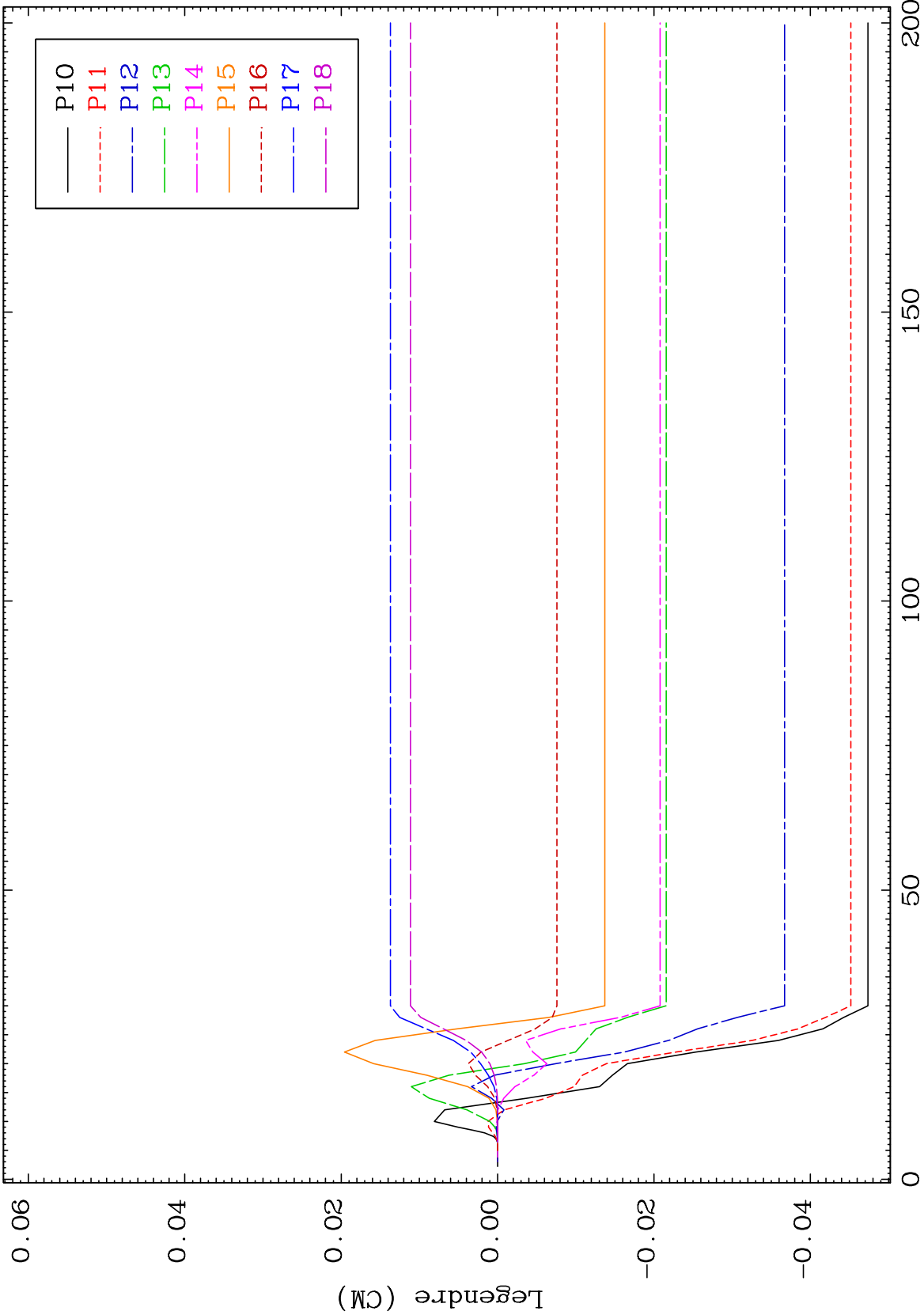
53-I -133

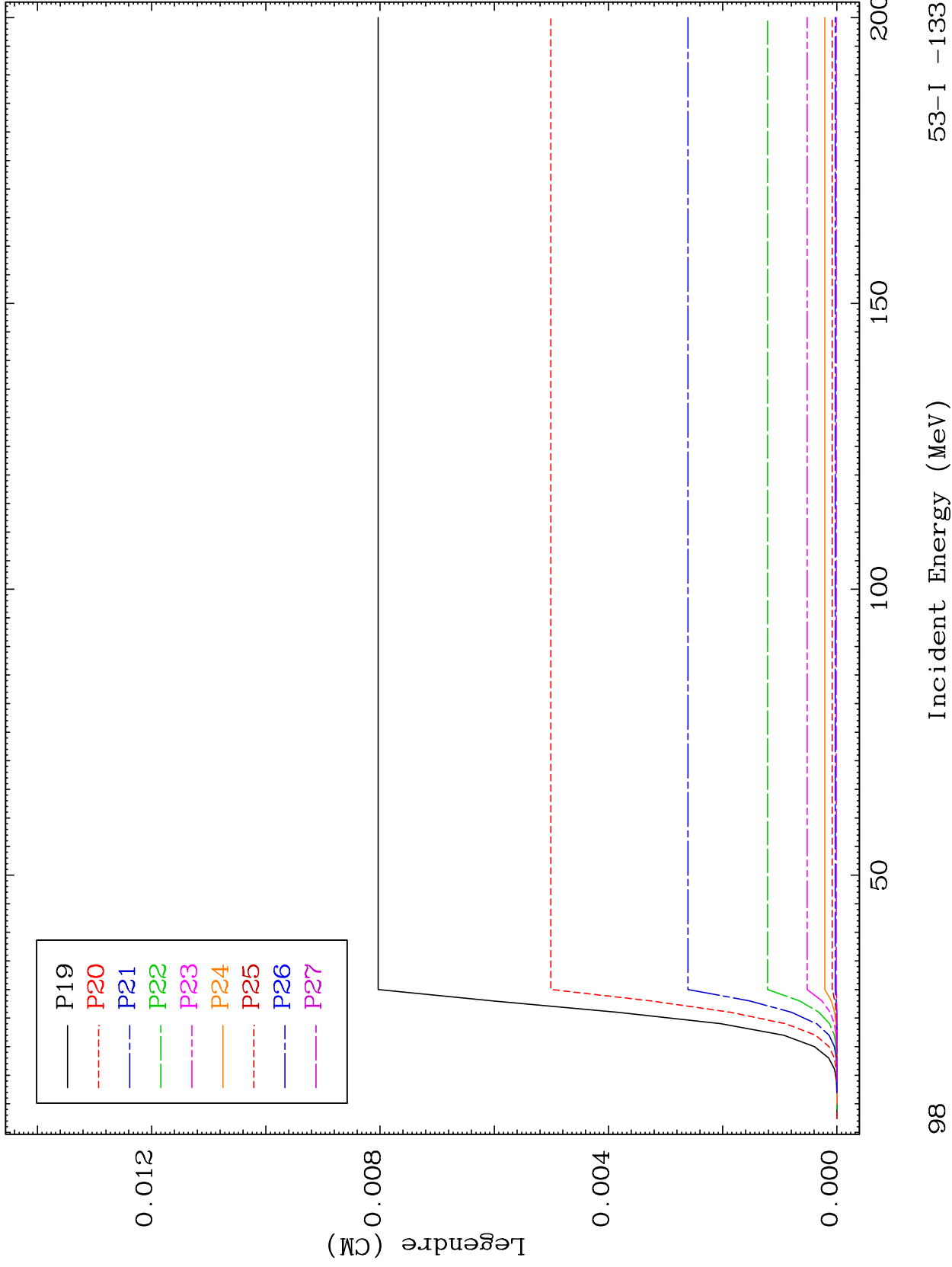


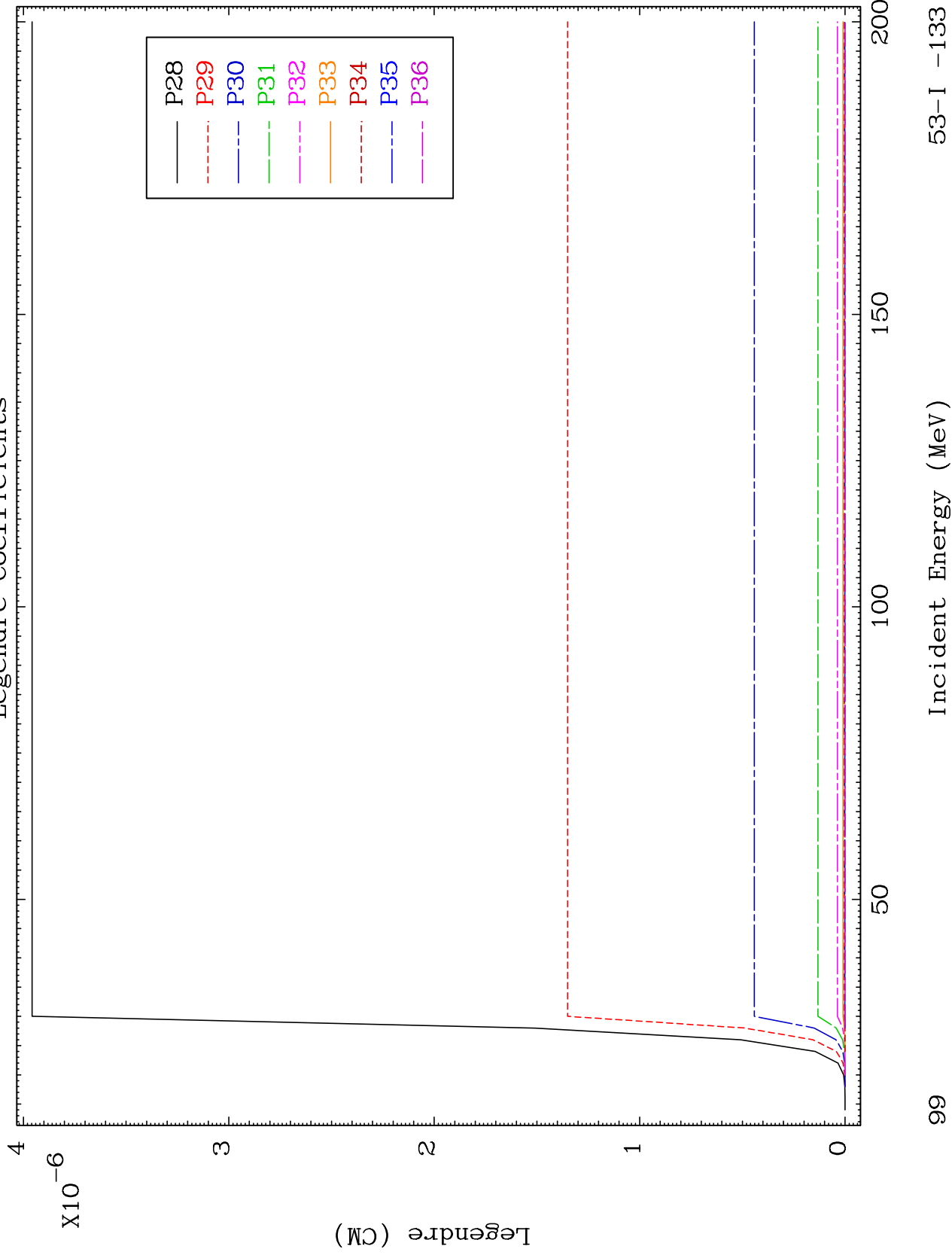








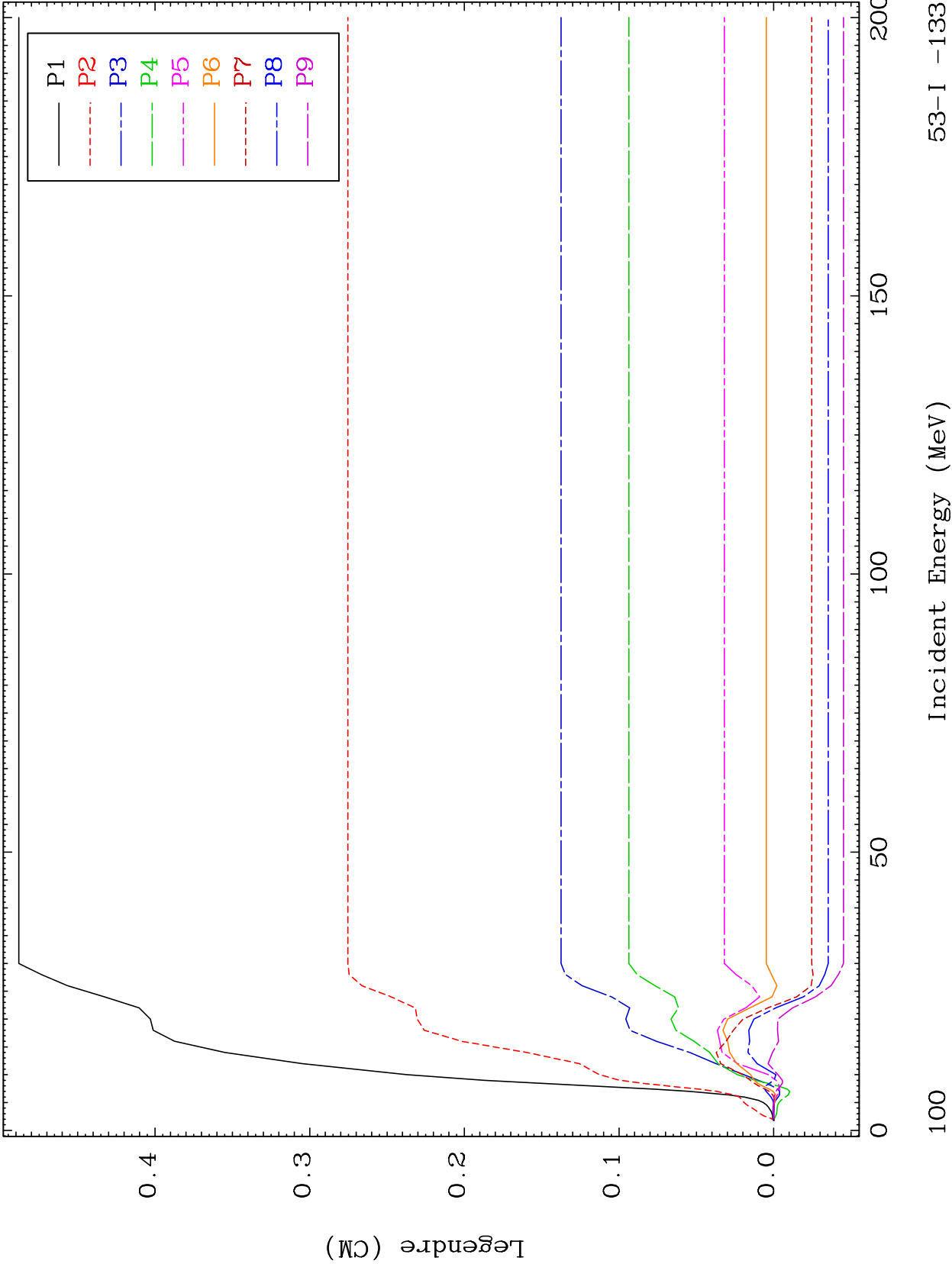




MAT 5343

1.718 MeV (n,n') Level
Legendre Coefficients

53-I -133



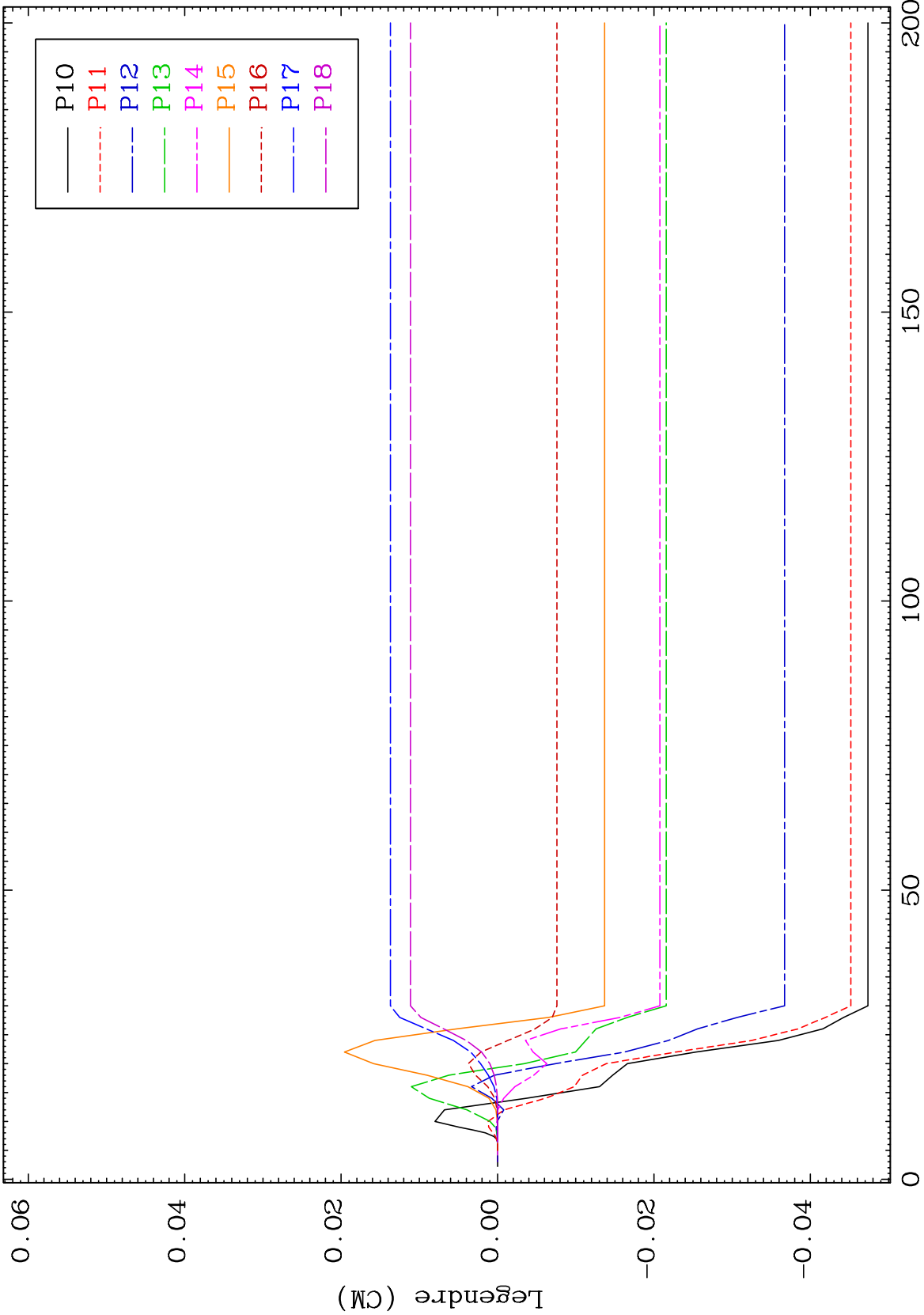
53-I -133

Incident Energy (MeV)

MAT 5343

1.718 MeV (n,n') Level
Legendre Coefficients

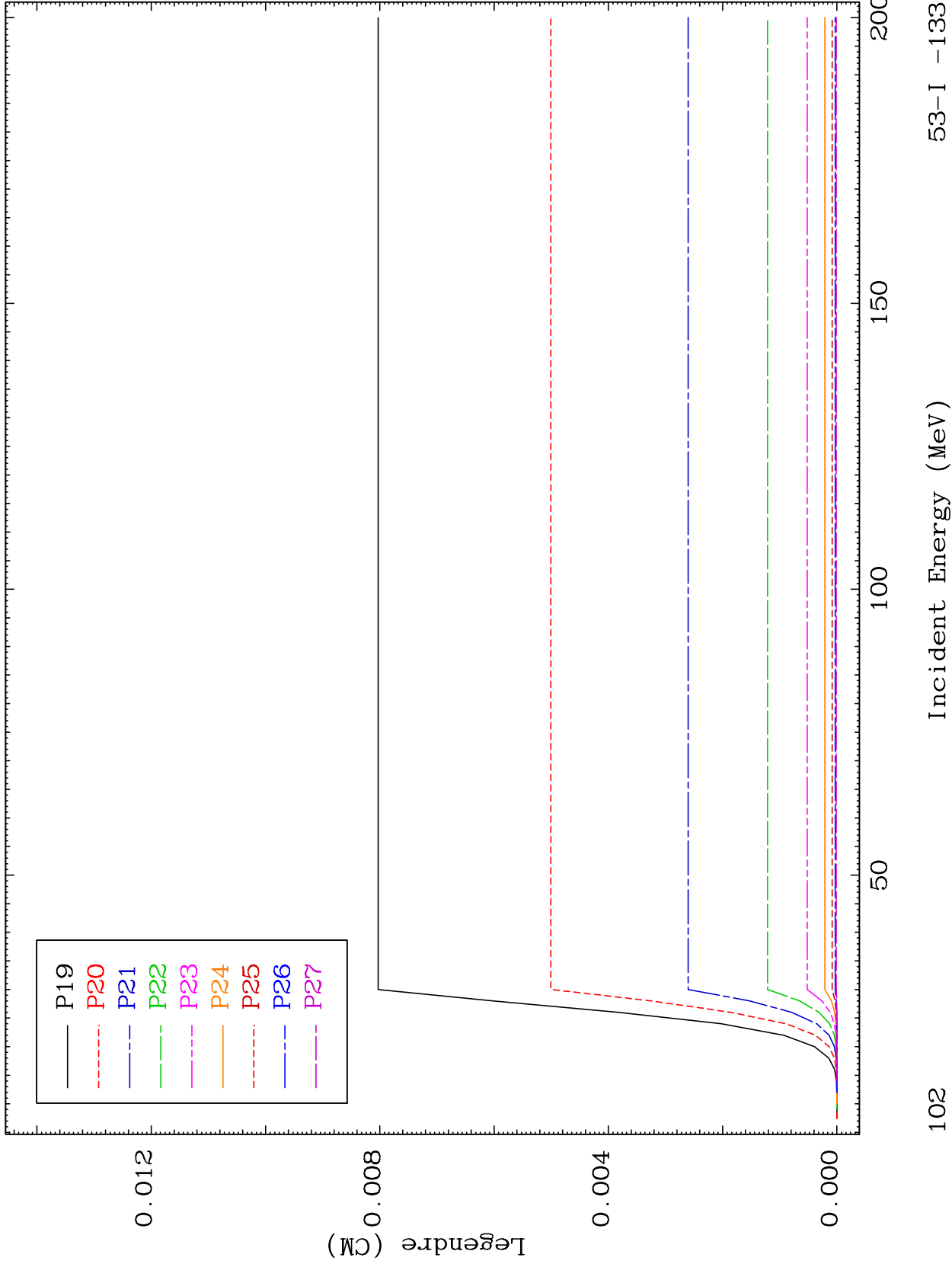
53-I -133



101

Incident Energy (MeV)

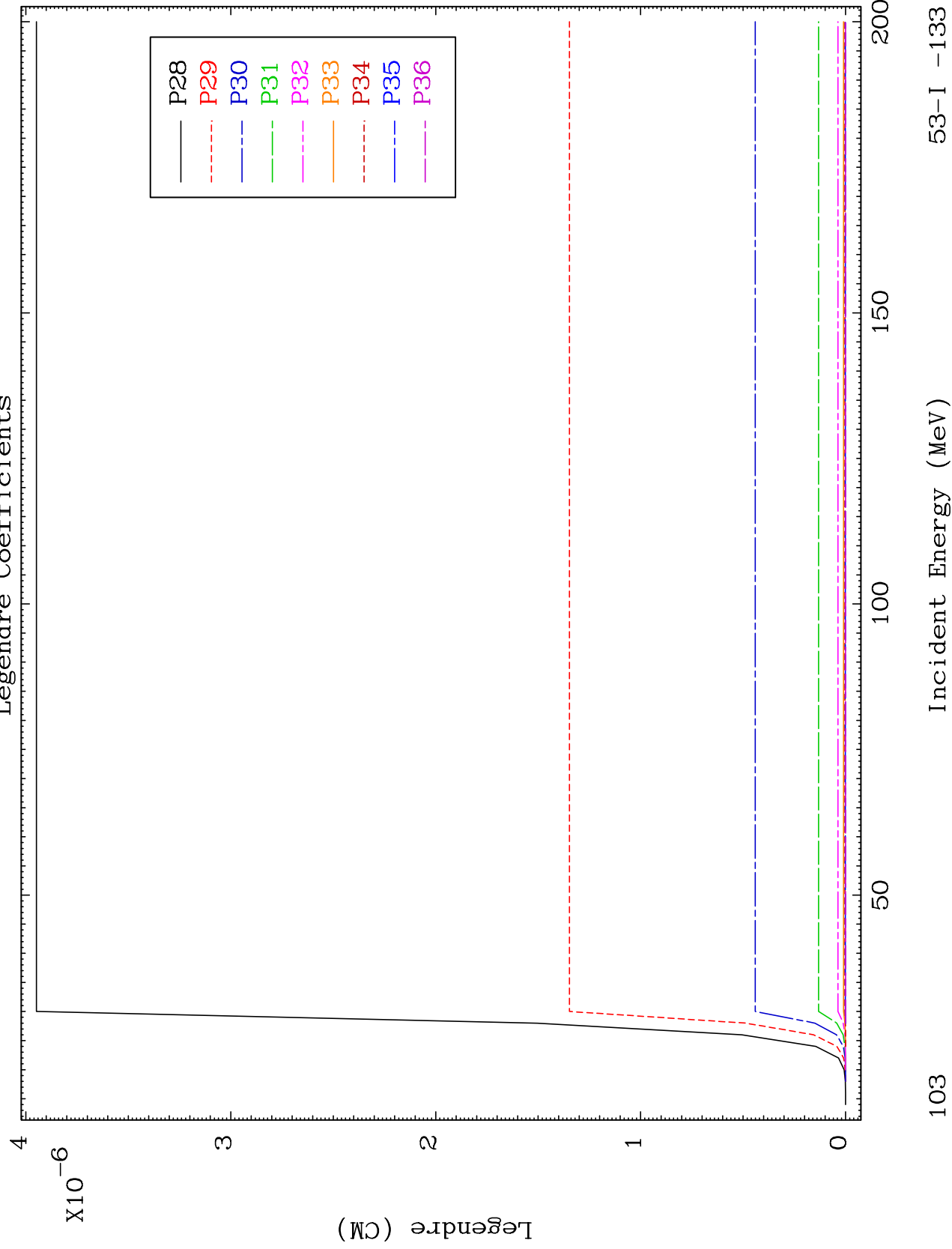
53-I -133

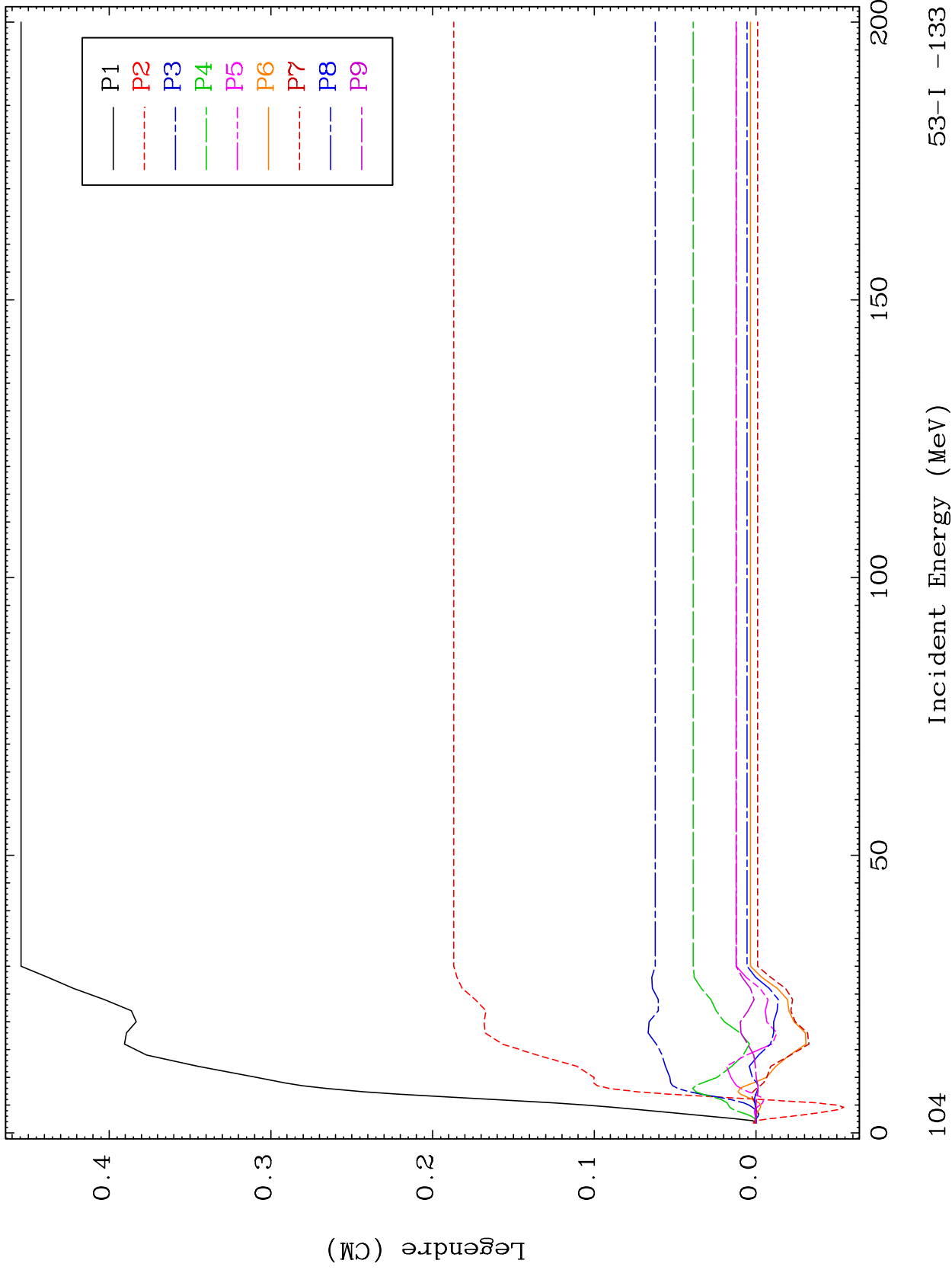


MAT 5343

1.718 MeV (n,n') Level
Legendre Coefficients

53-I -133

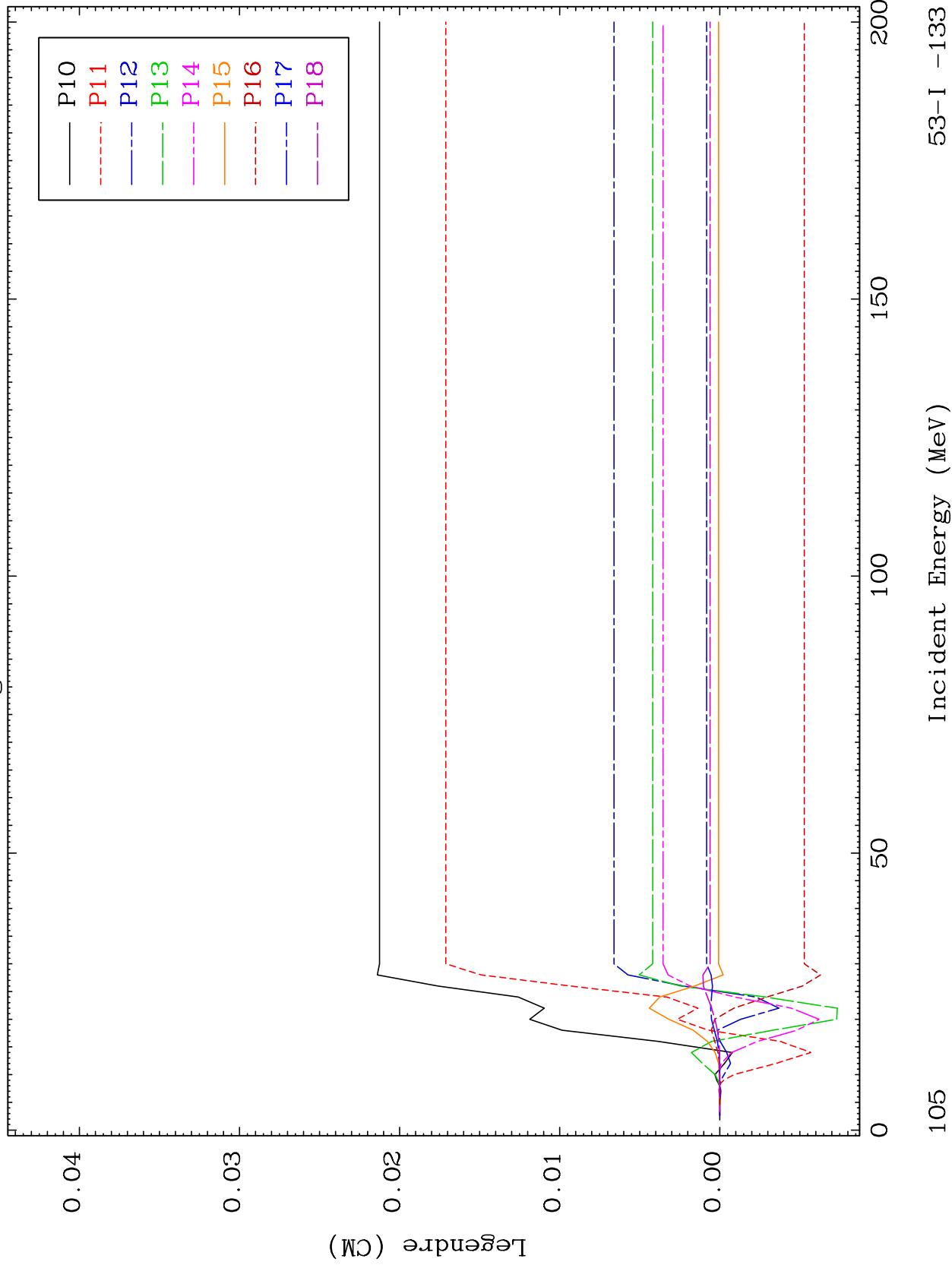




MAT 5343

1.729 MeV (n,n') Level
Legendre Coefficients

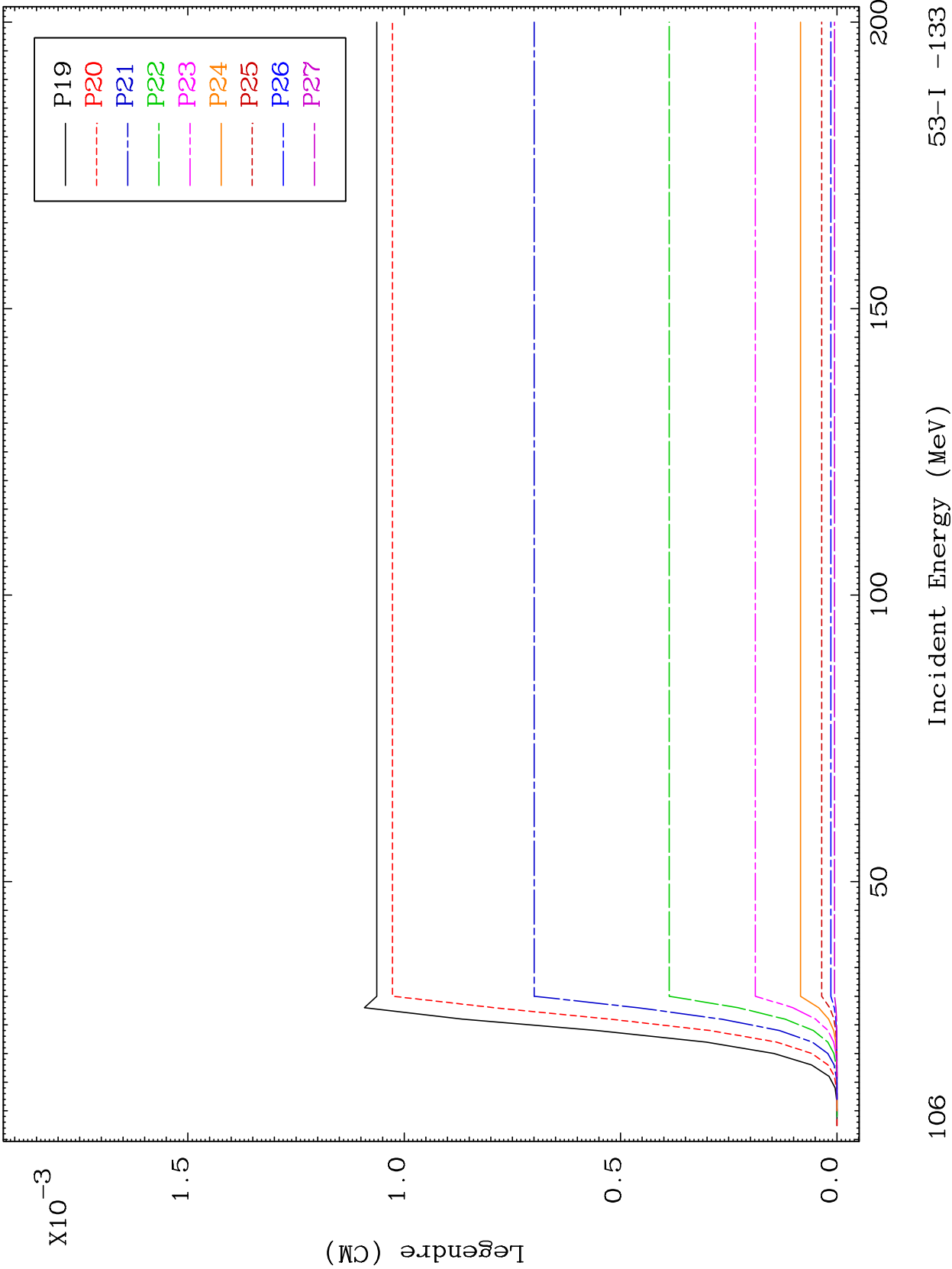
53-I -133



53-I -133

Incident Energy (MeV)

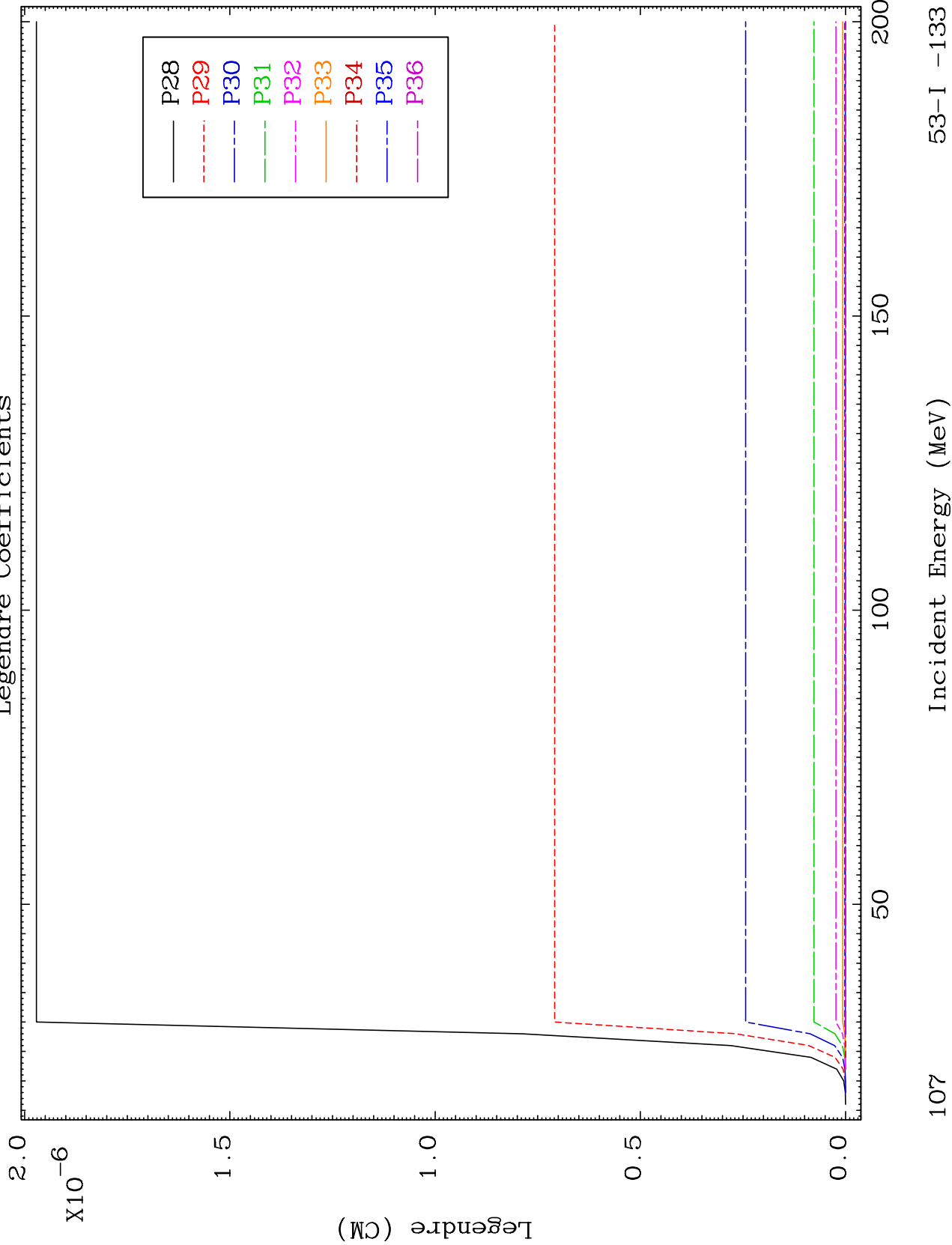
105



MAT 5343

1.729 MeV (n,n') Level
Legendre Coefficients

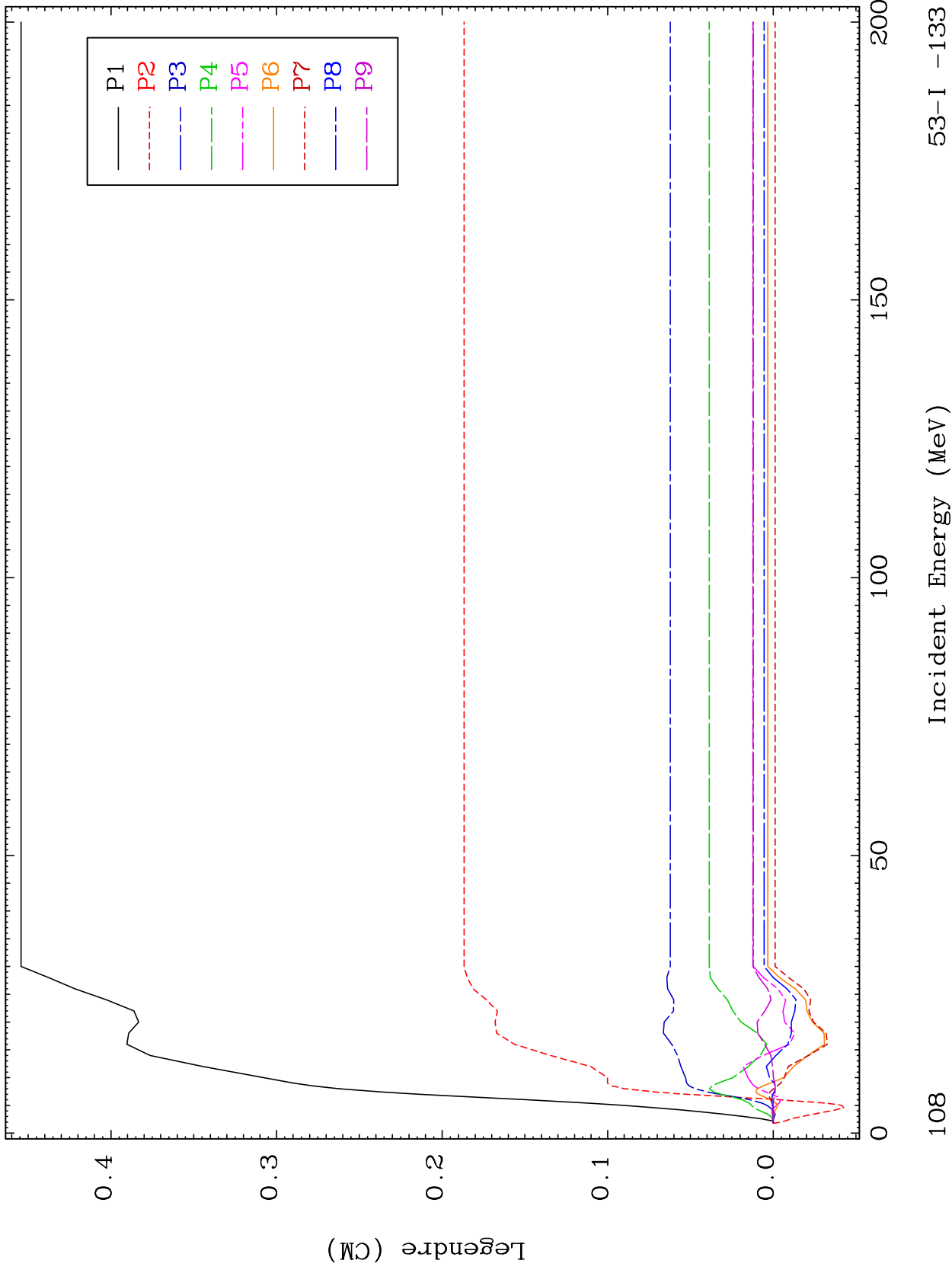
53-I -133

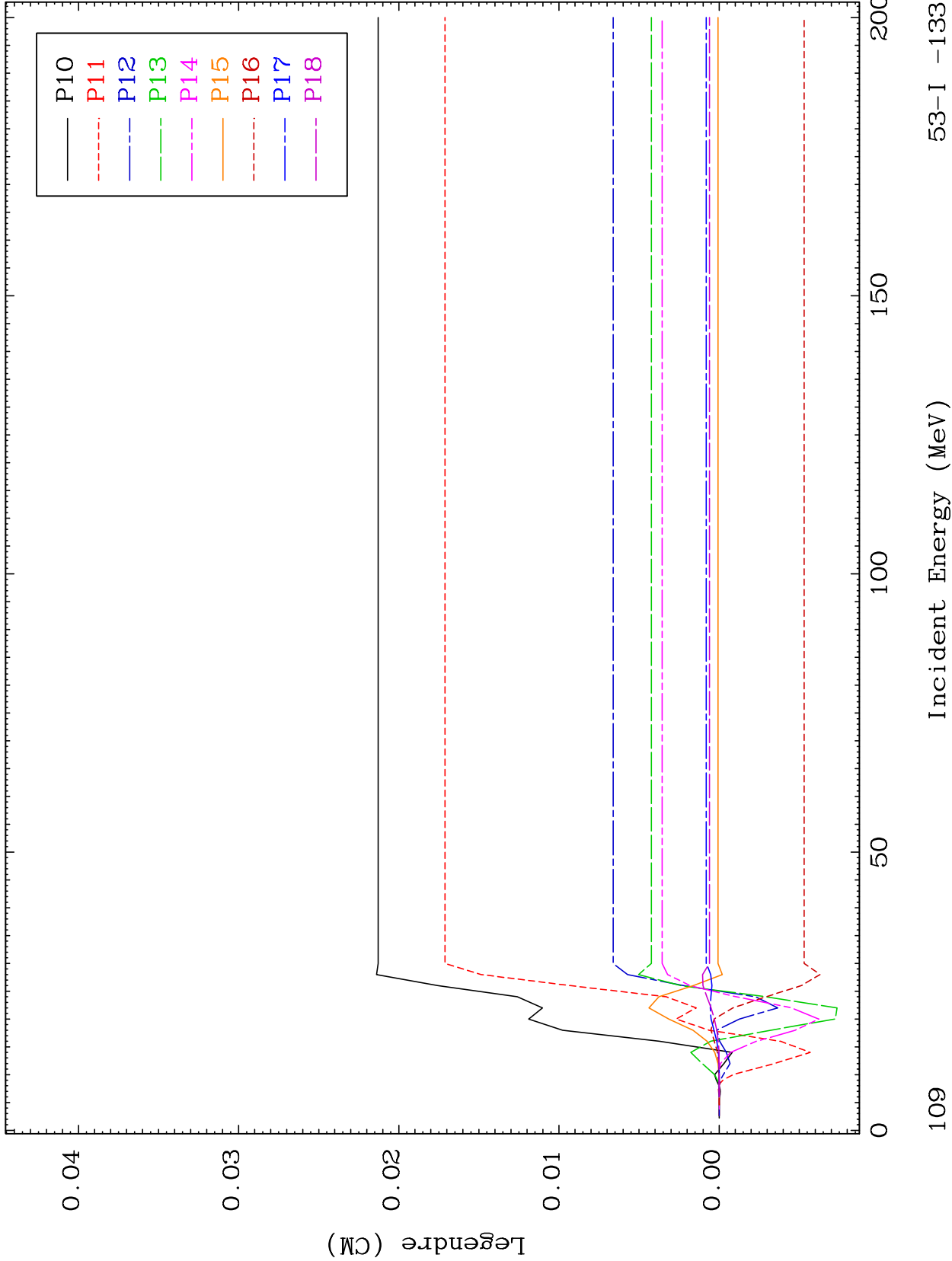


107

Incident Energy (MeV)

53-I -133

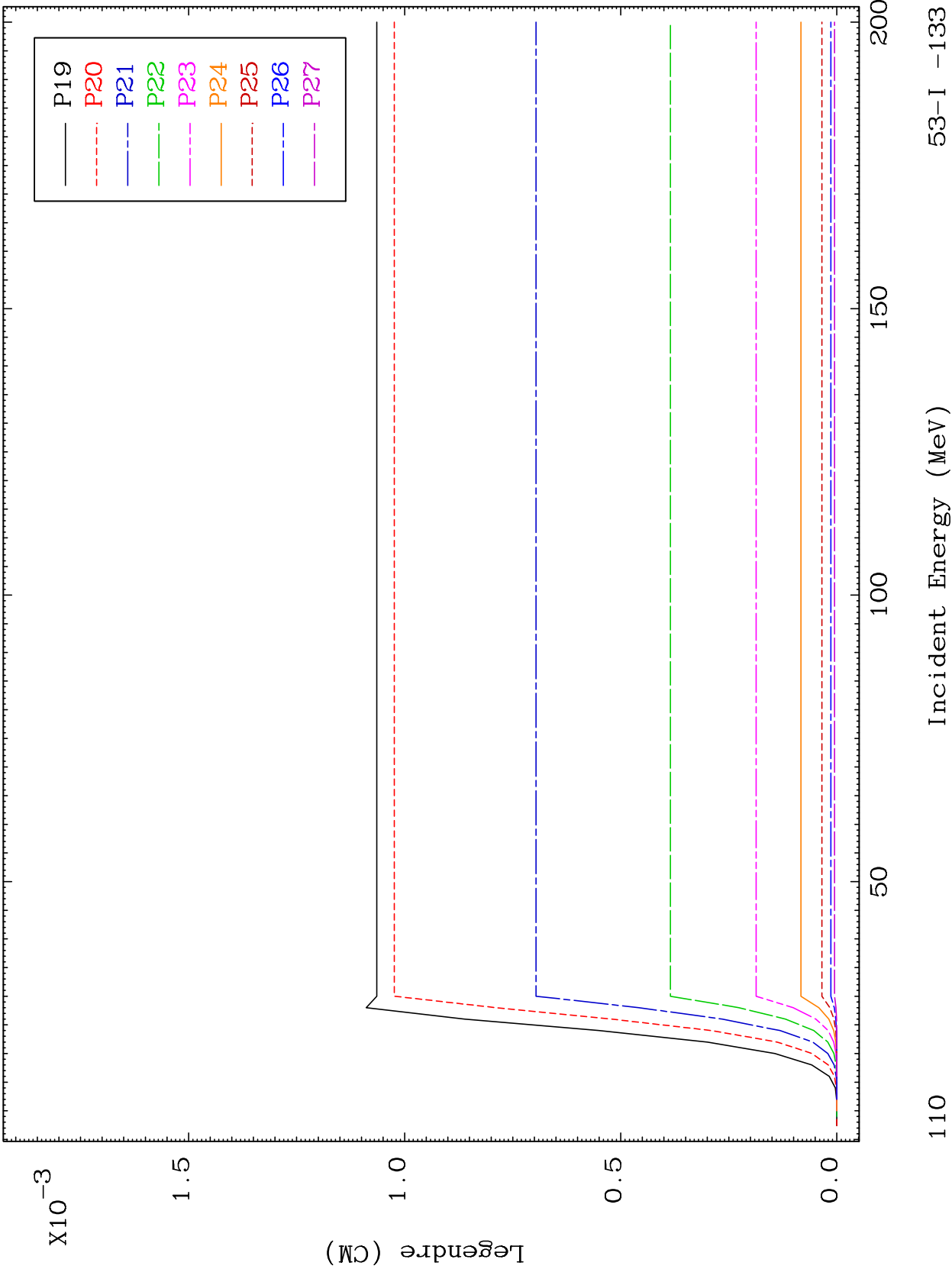




MAT 5343

1.777 MeV (n,n') Level
Legendre Coefficients

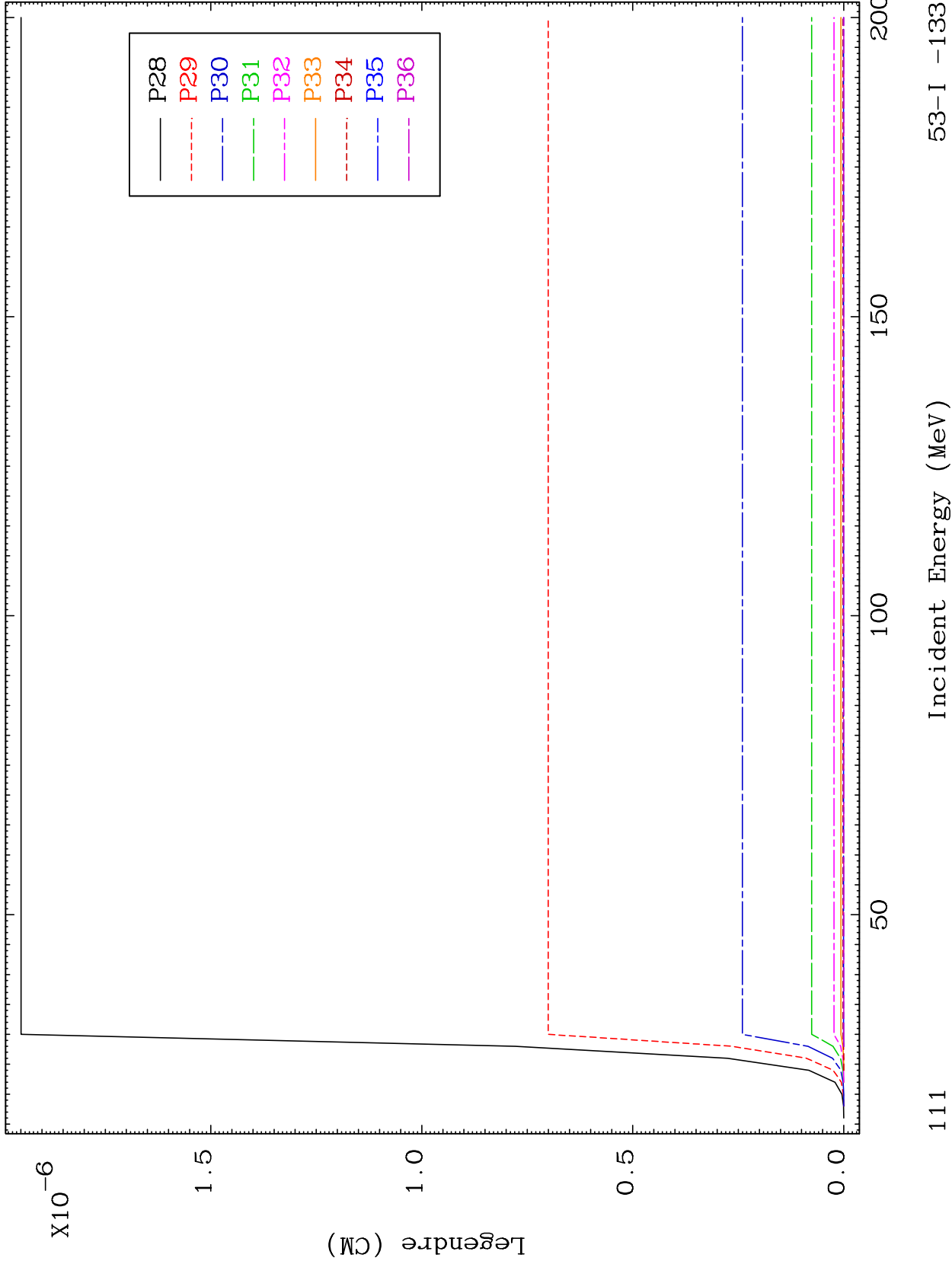
53-I -133

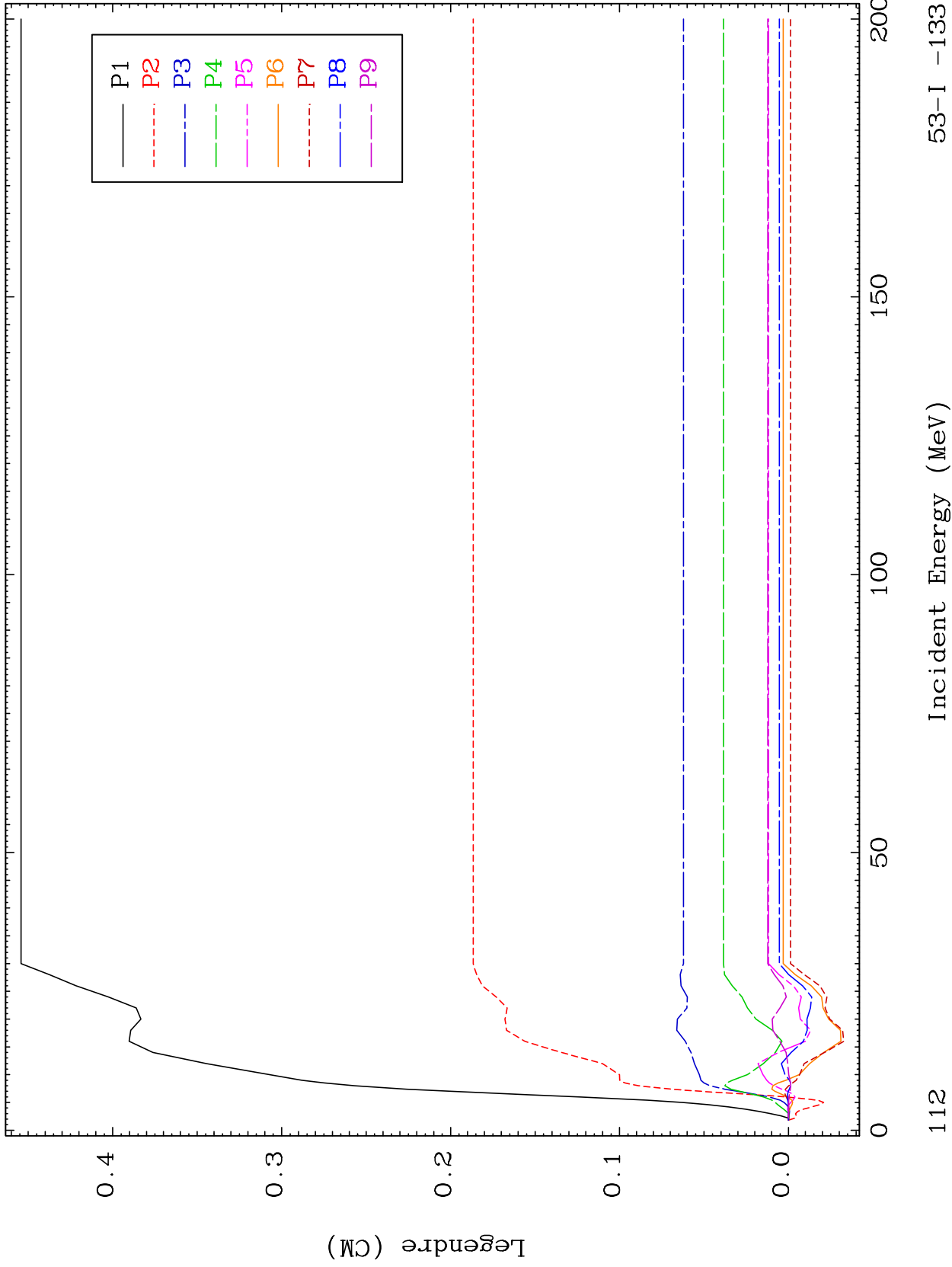


110

Incident Energy (MeV)

53-I -133

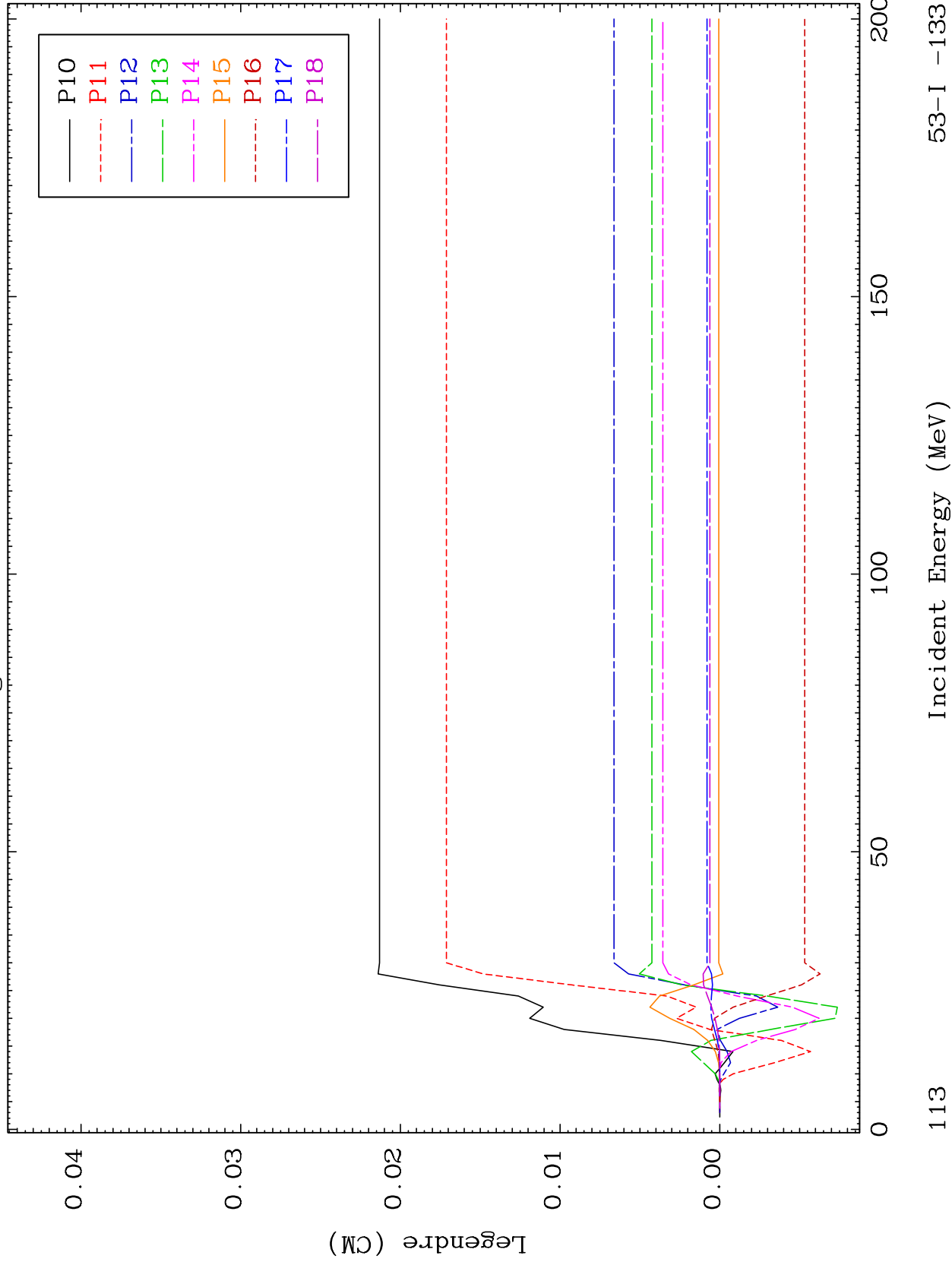




MAT 5343

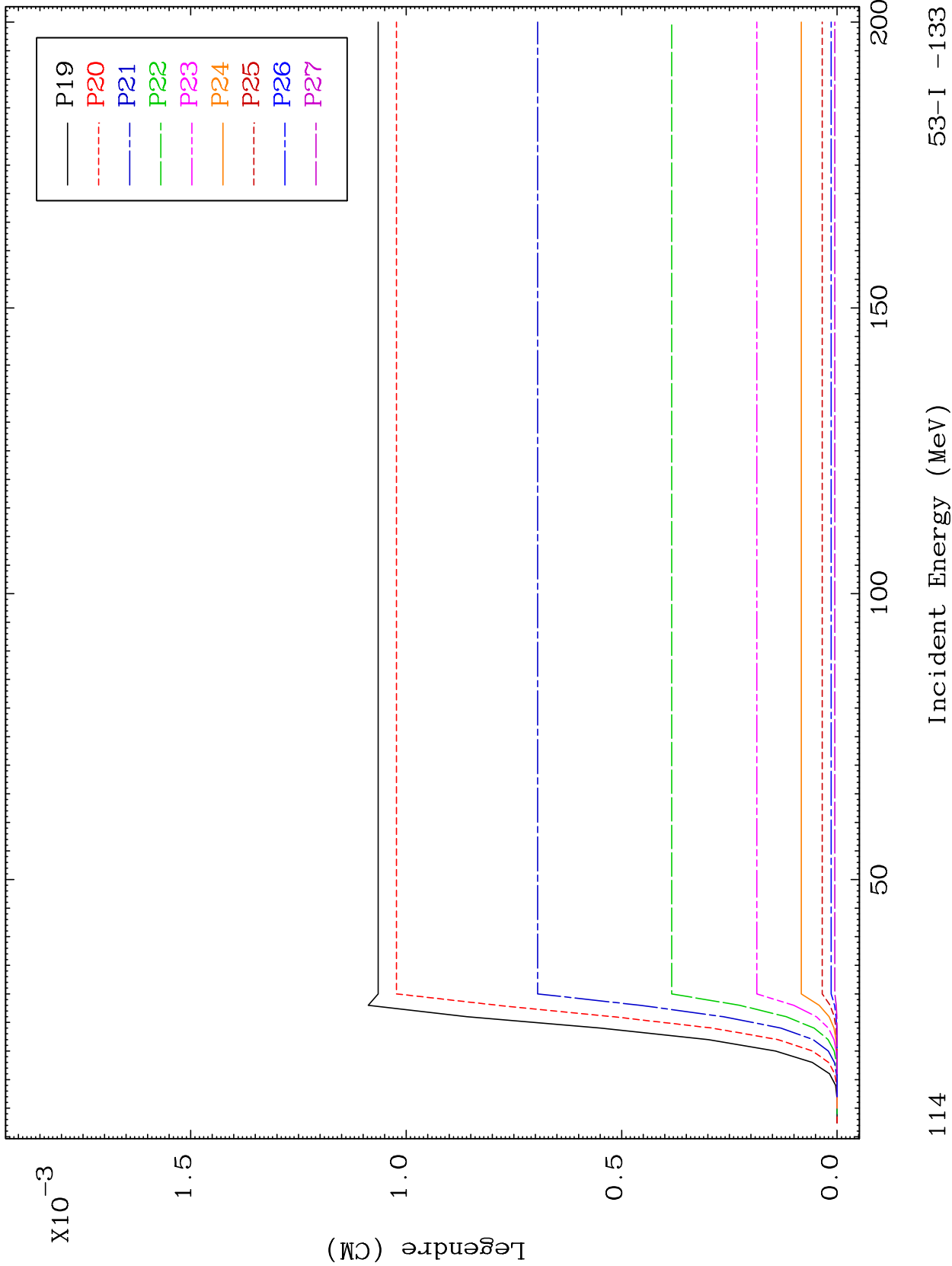
1.797 MeV (n,n') Level
Legendre Coefficients

53-I -133



113

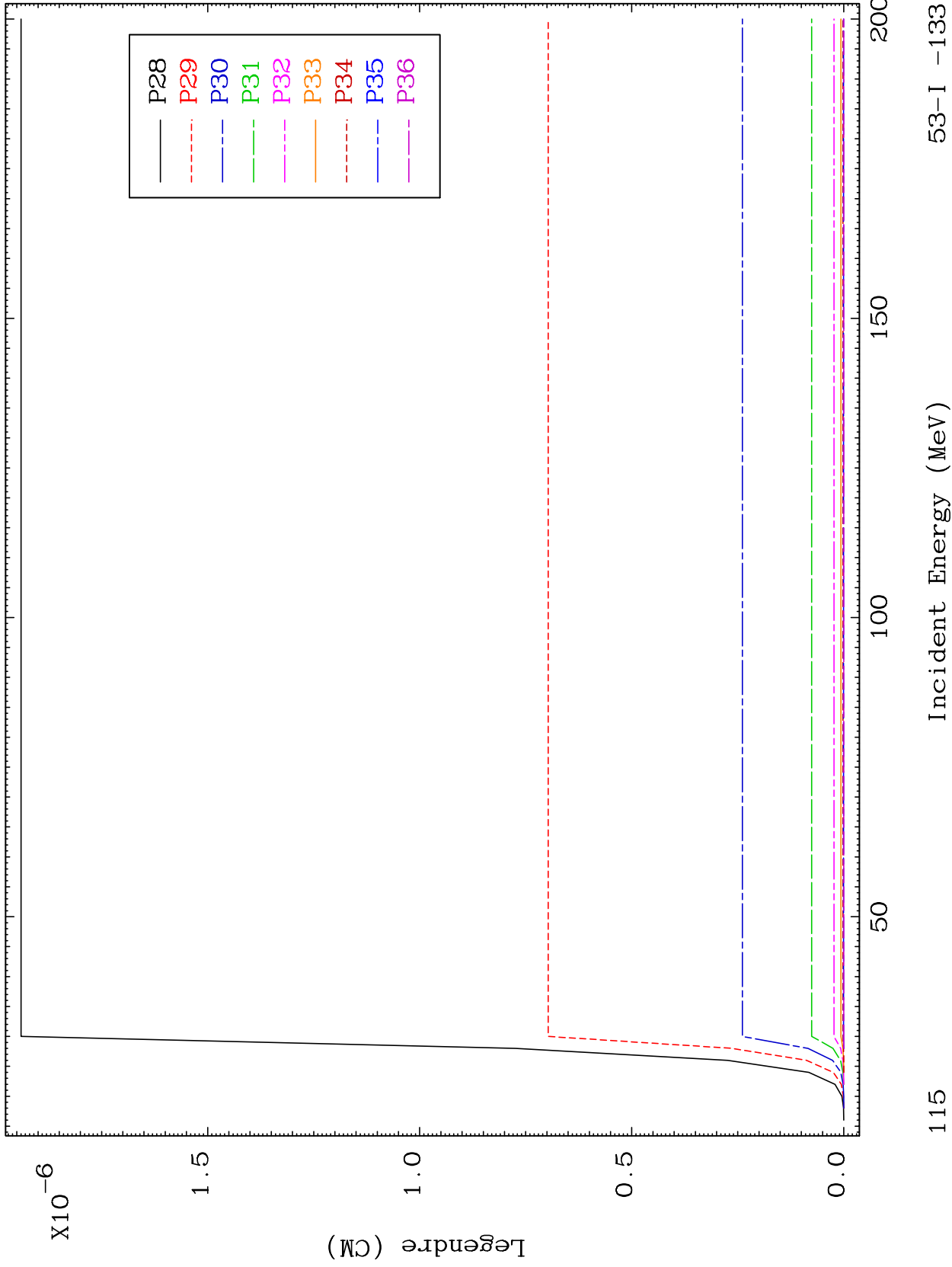
53-I -133



MAT 5343

1.797 MeV (n,n') Level
Legendre Coefficients

53-I -133



115

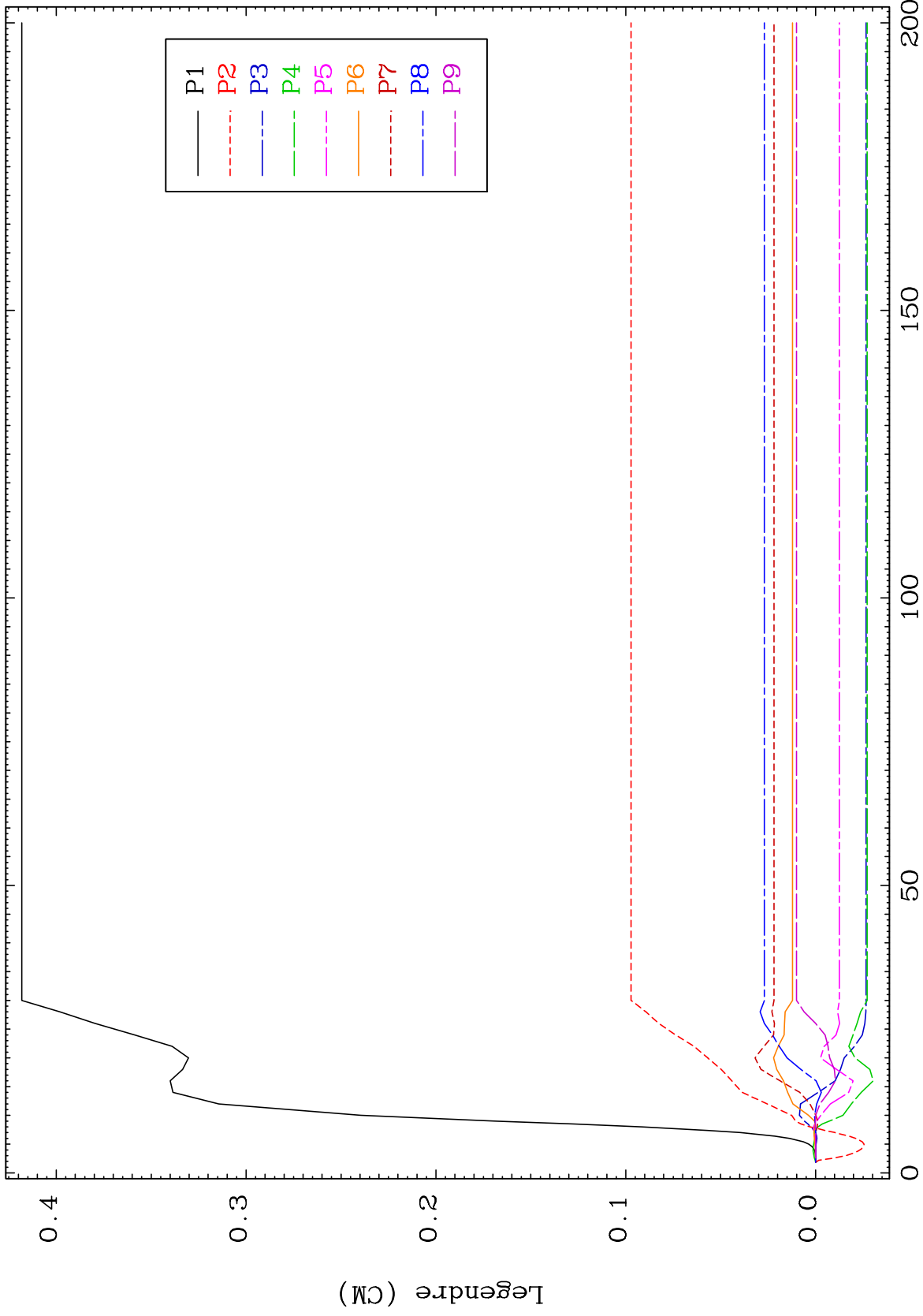
Incident Energy (MeV)

53-I -133

MAT 5343

1.799 MeV (n,n') Level
Legendre Coefficients

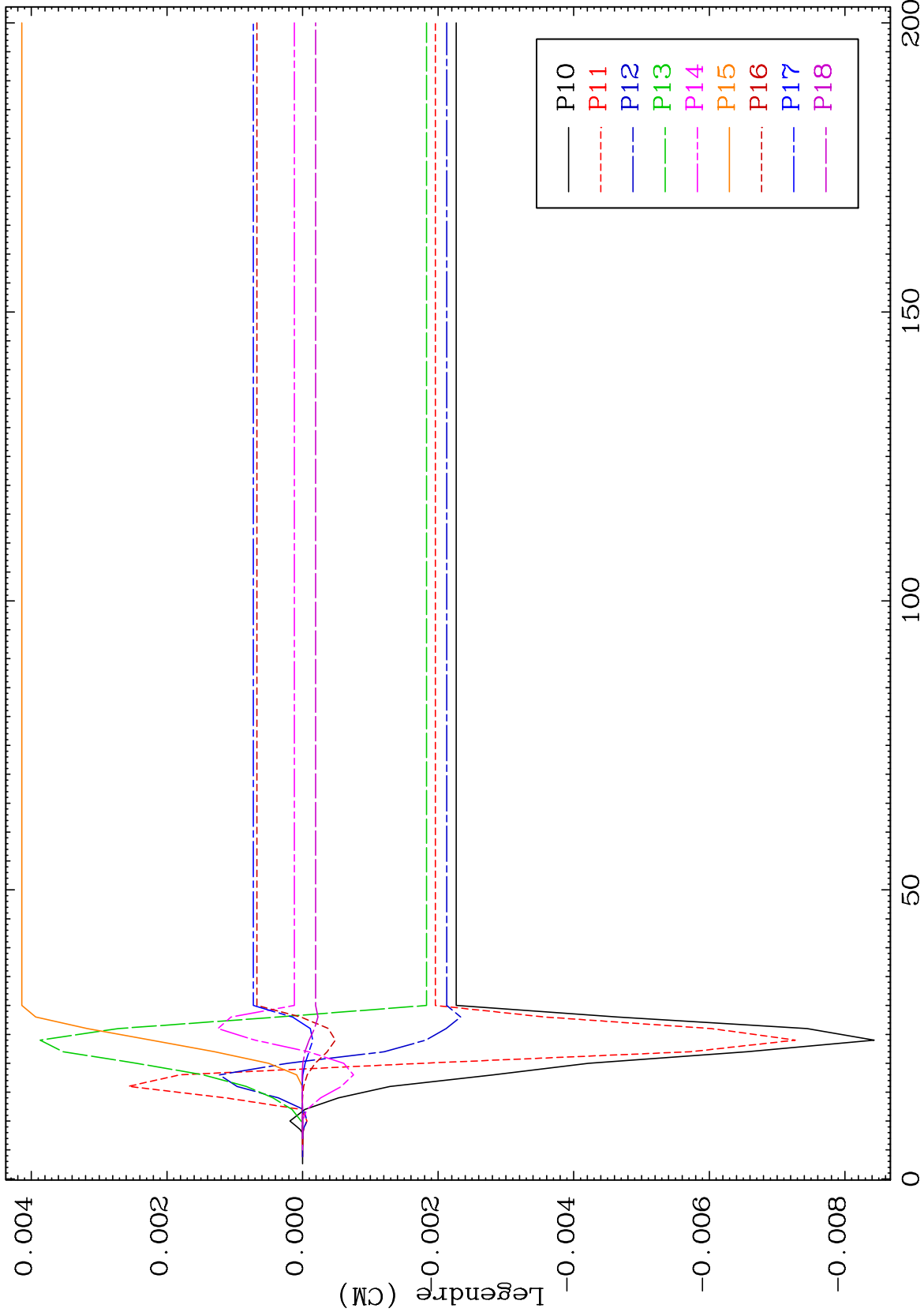
53-I -133

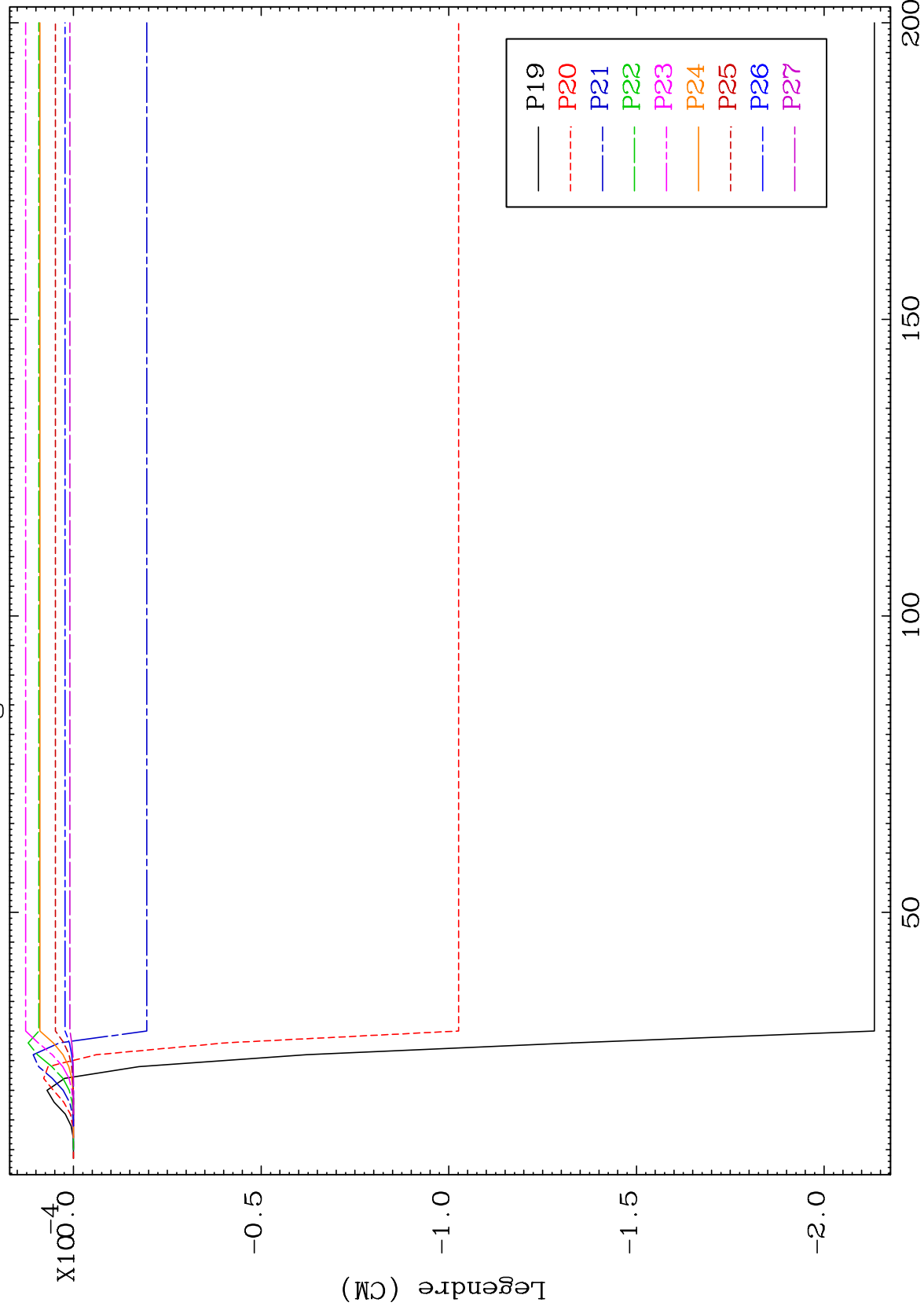


116

Incident Energy (MeV)

53-I -133

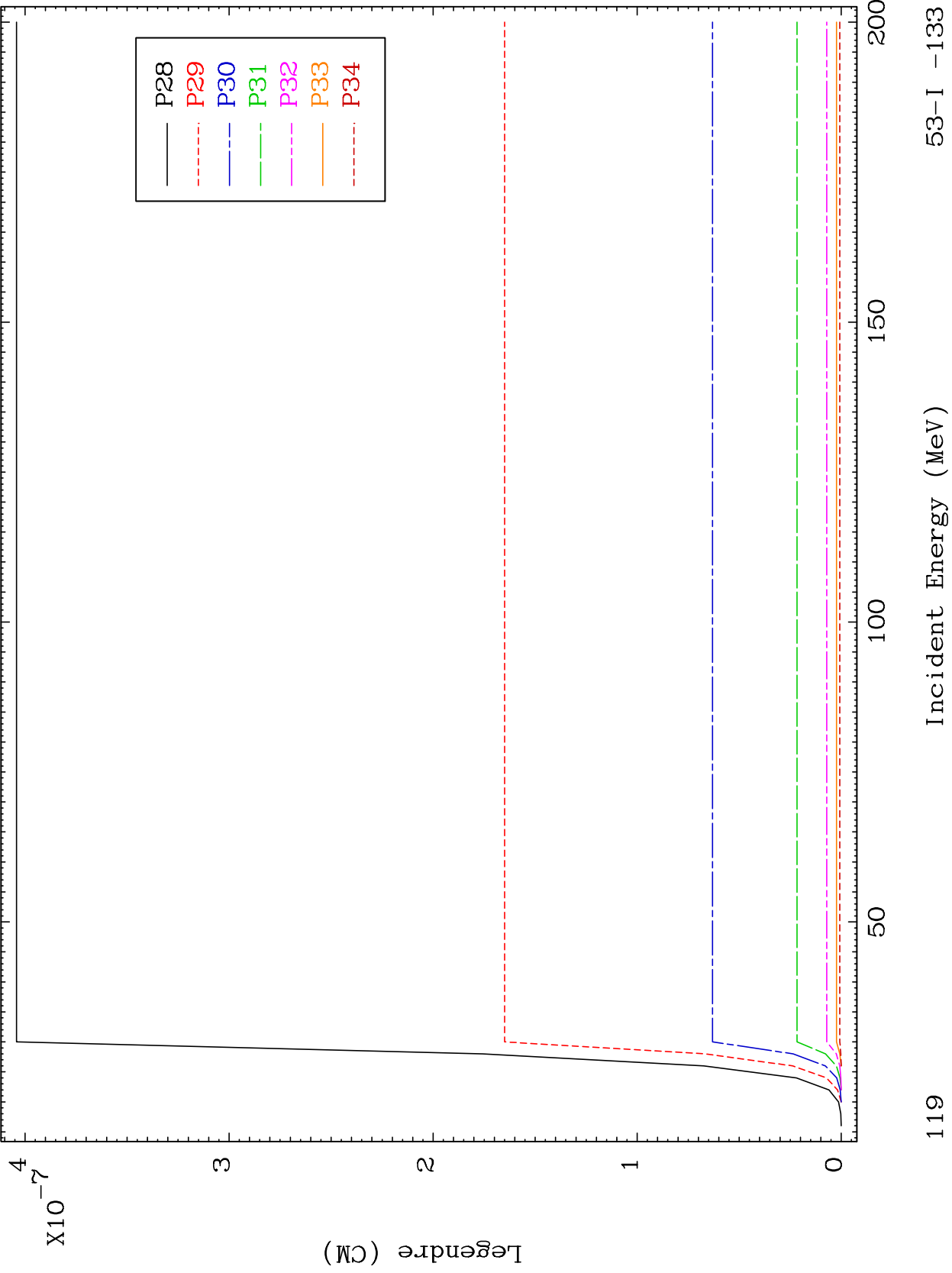




MAT 5343

1.799 MeV (n,n') Level
Legendre Coefficients

53-I -133



119

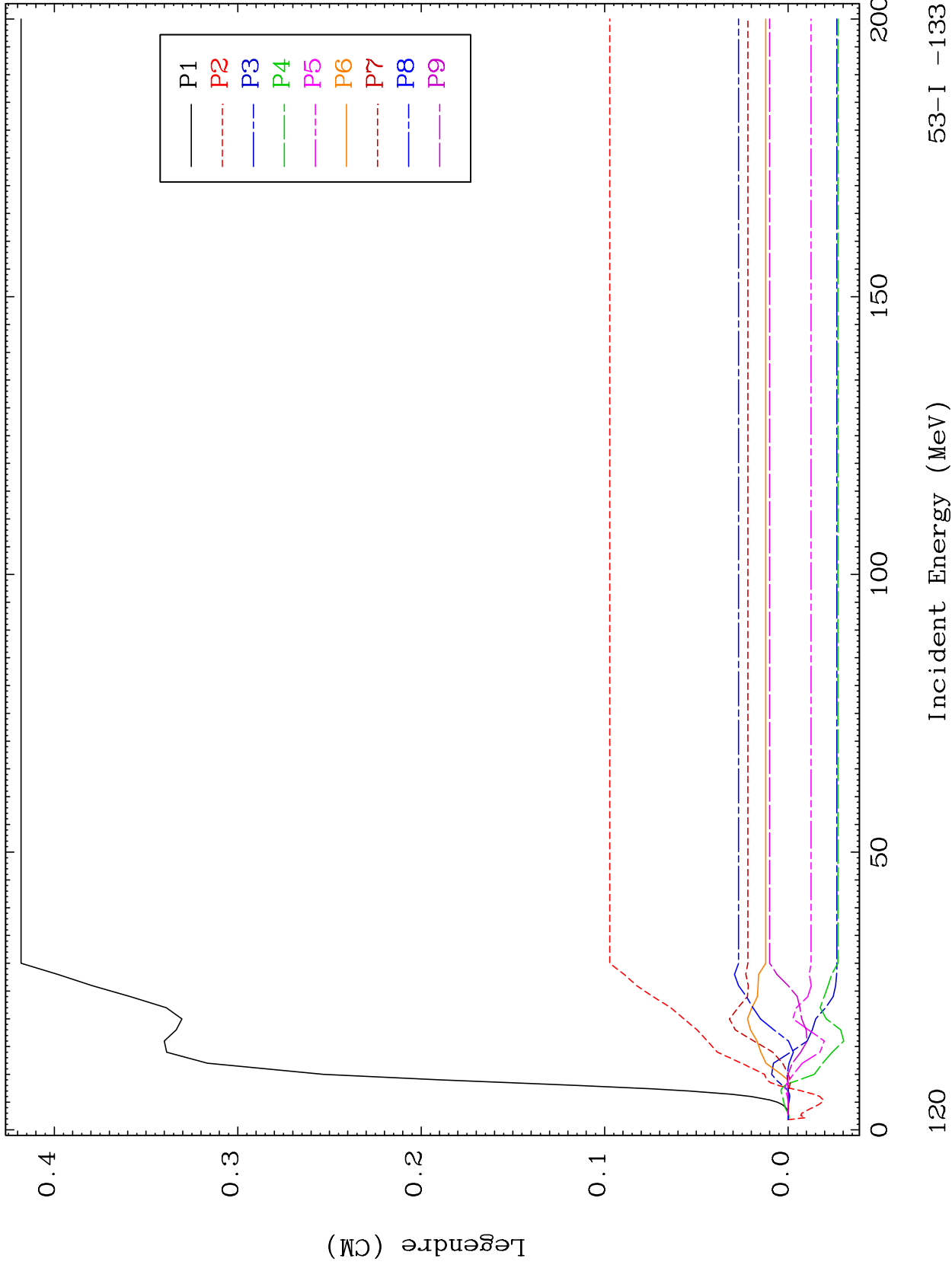
Incident Energy (MeV)

53-I -133

MAT 5343

1.817 MeV (n,n') Level
Legendre Coefficients

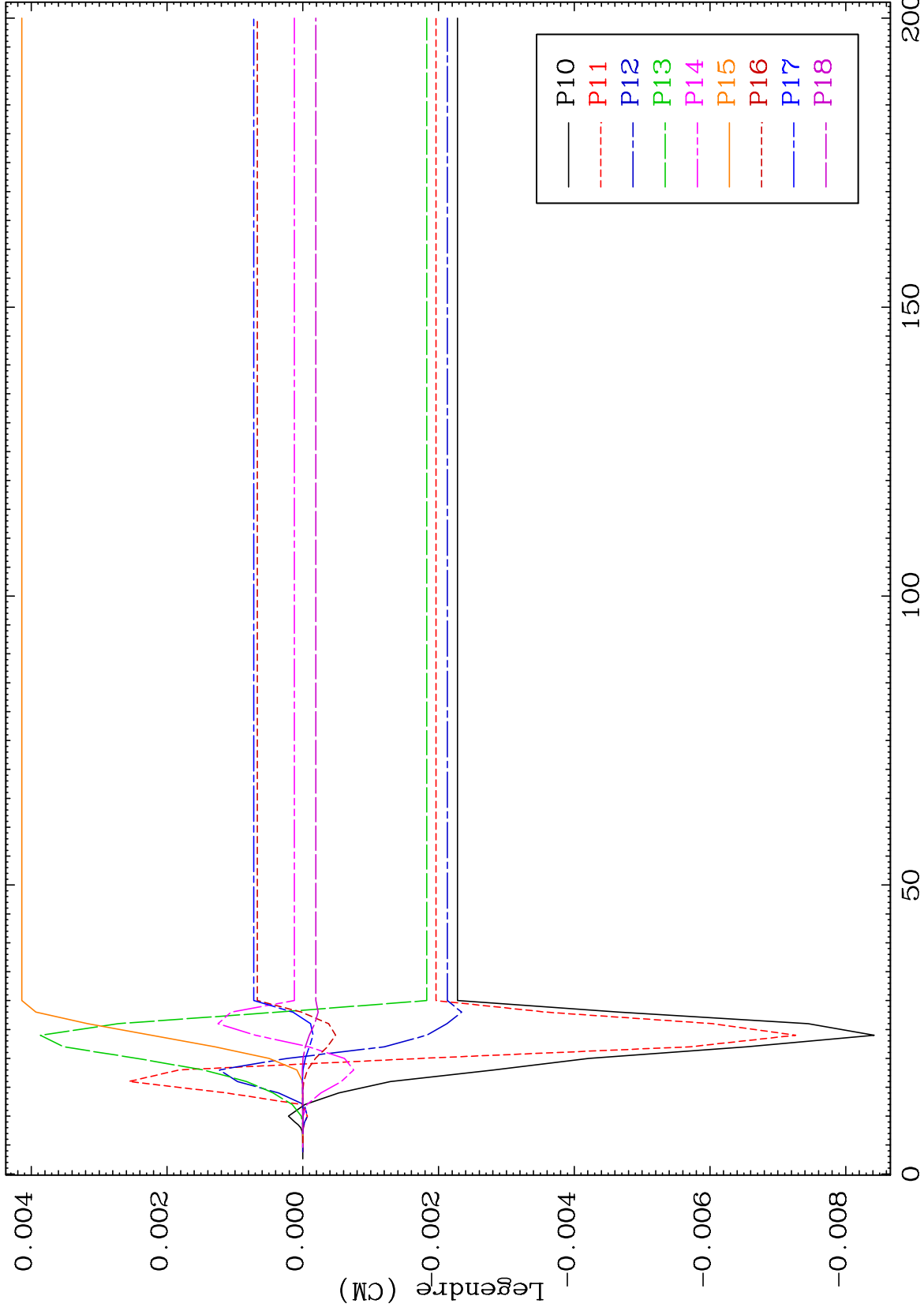
53-I -133

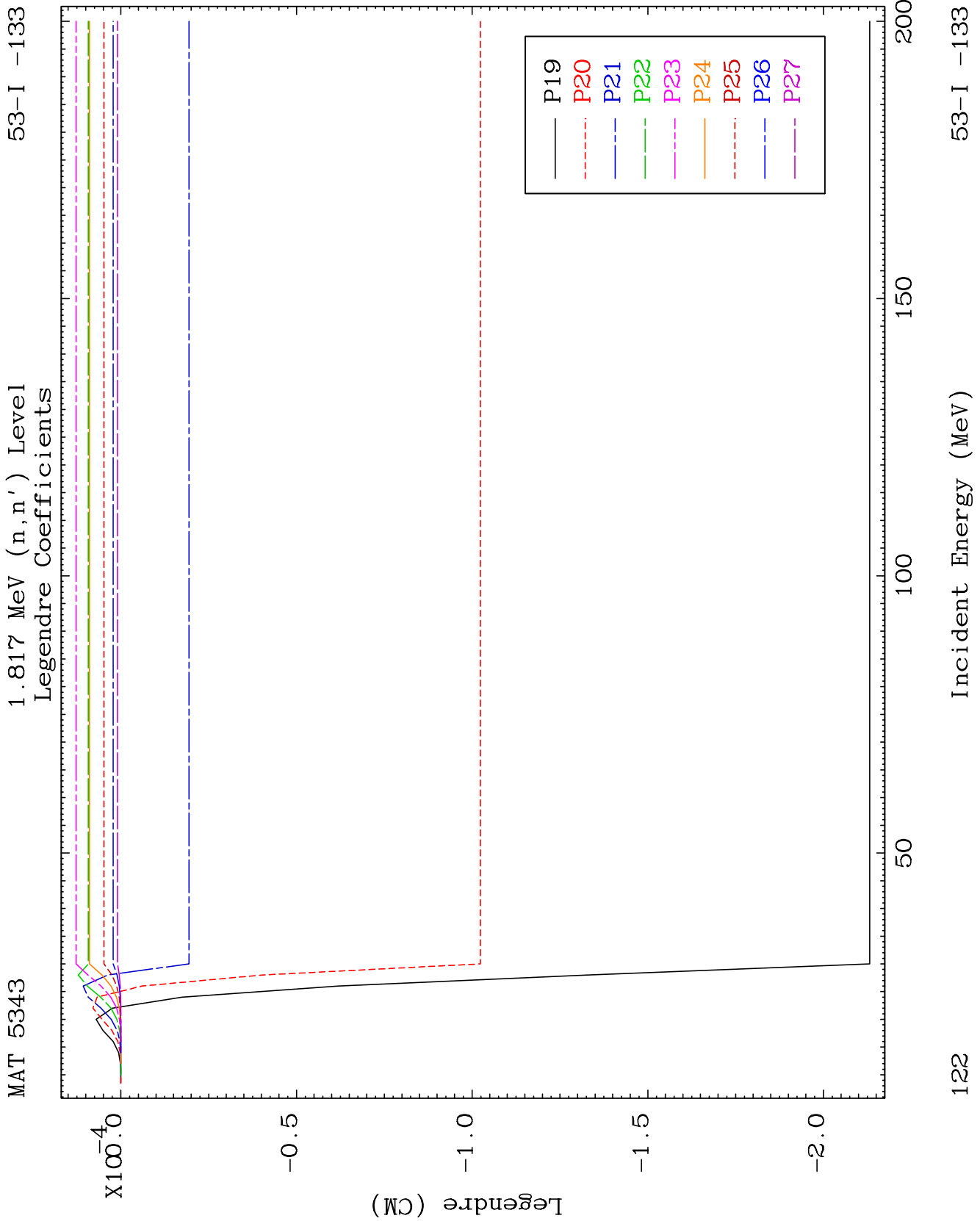


53-I -133

Incident Energy (MeV)

120

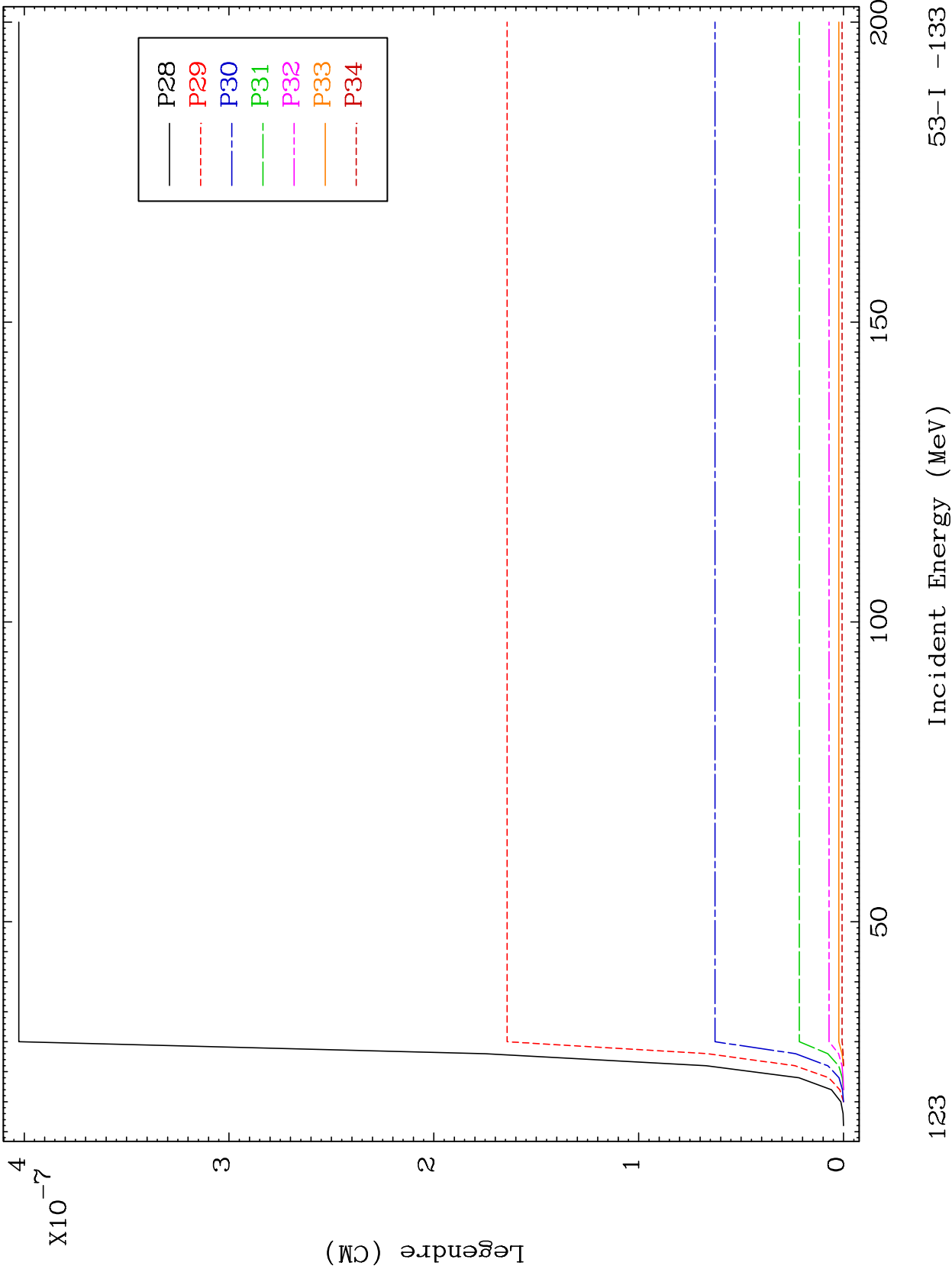




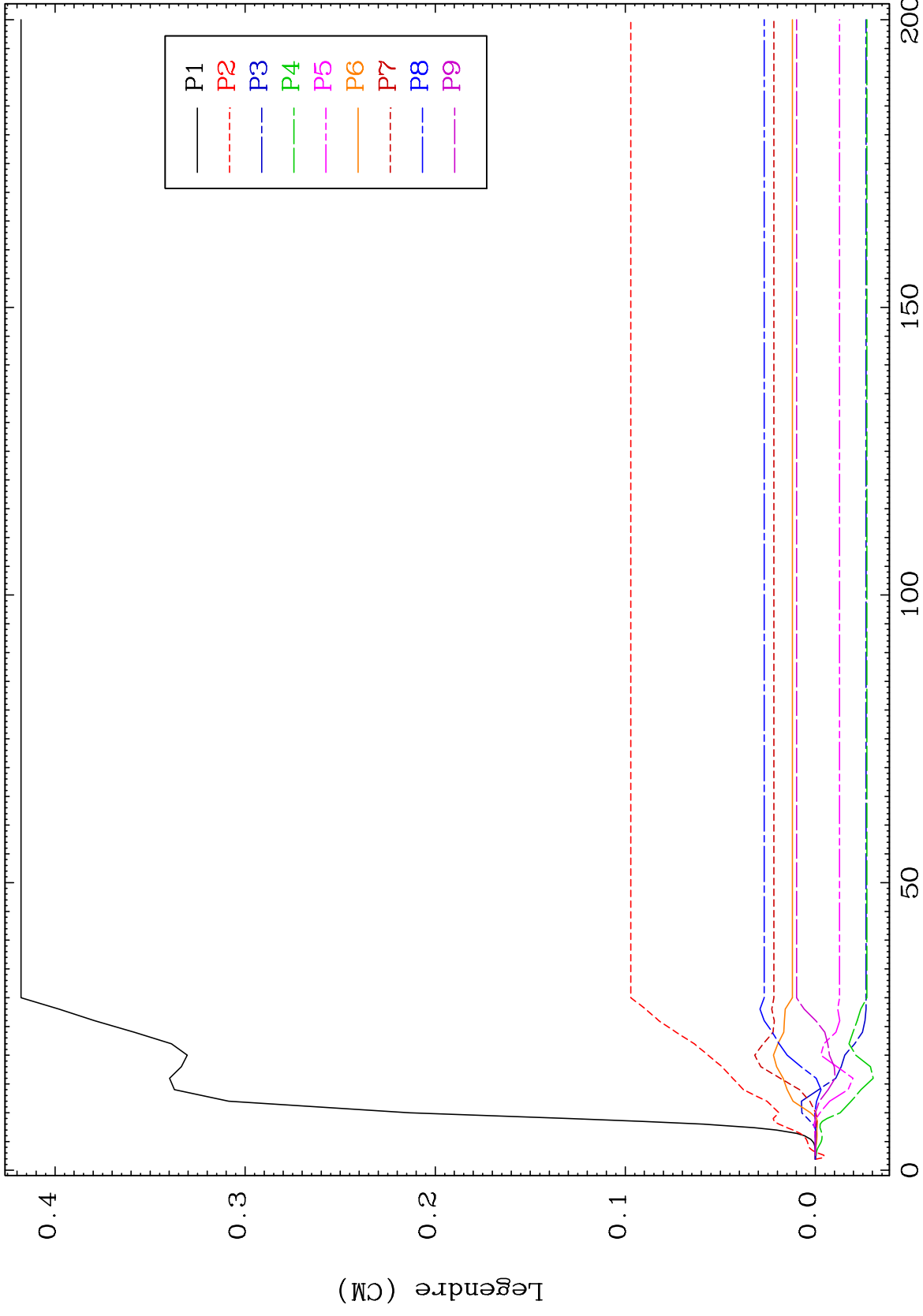
MAT 5343

1.817 MeV (n,n') Level
Legendre Coefficients

53-I -133



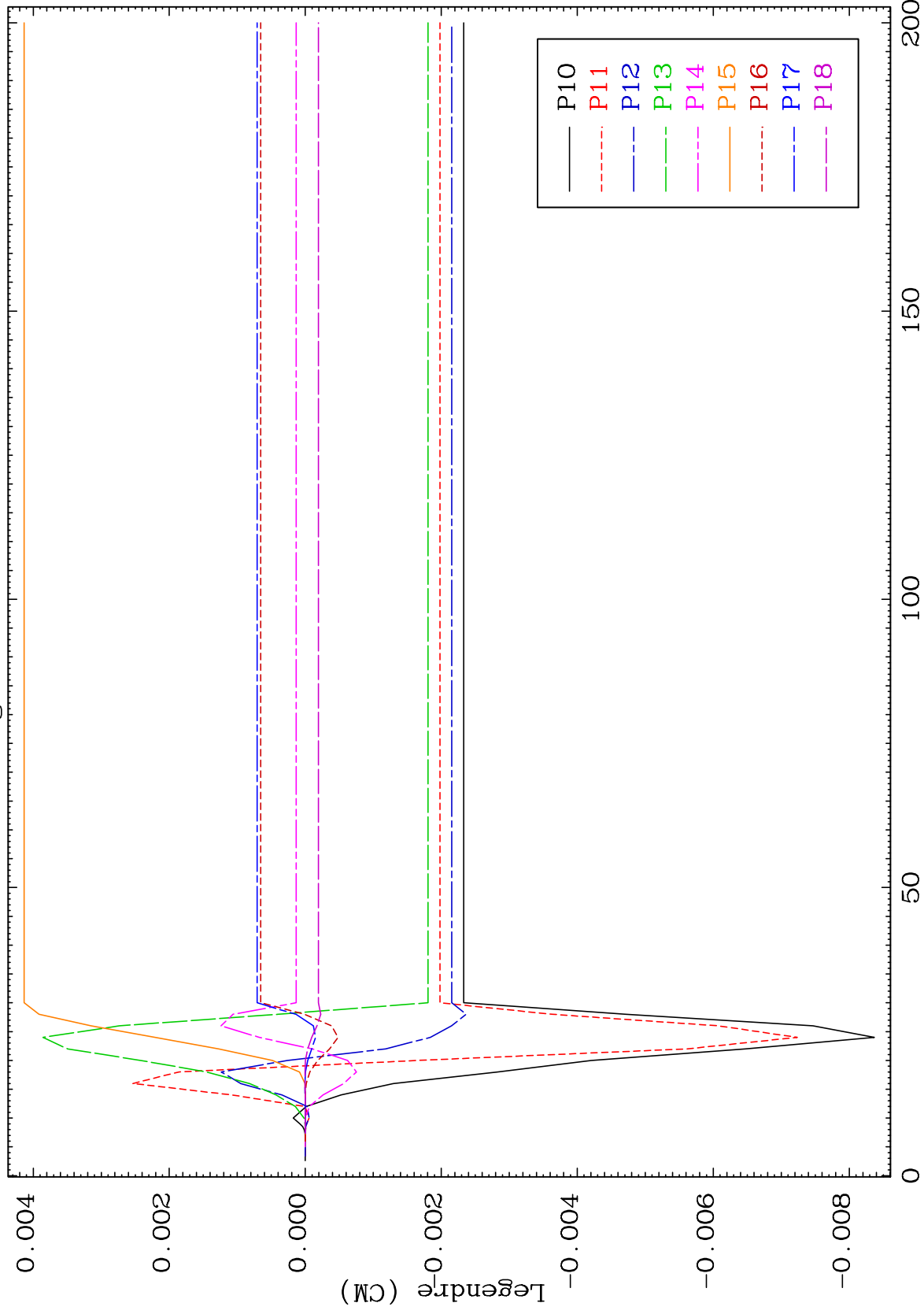
123



MAT 5343

1.886 MeV (n,n') Level
Legendre Coefficients

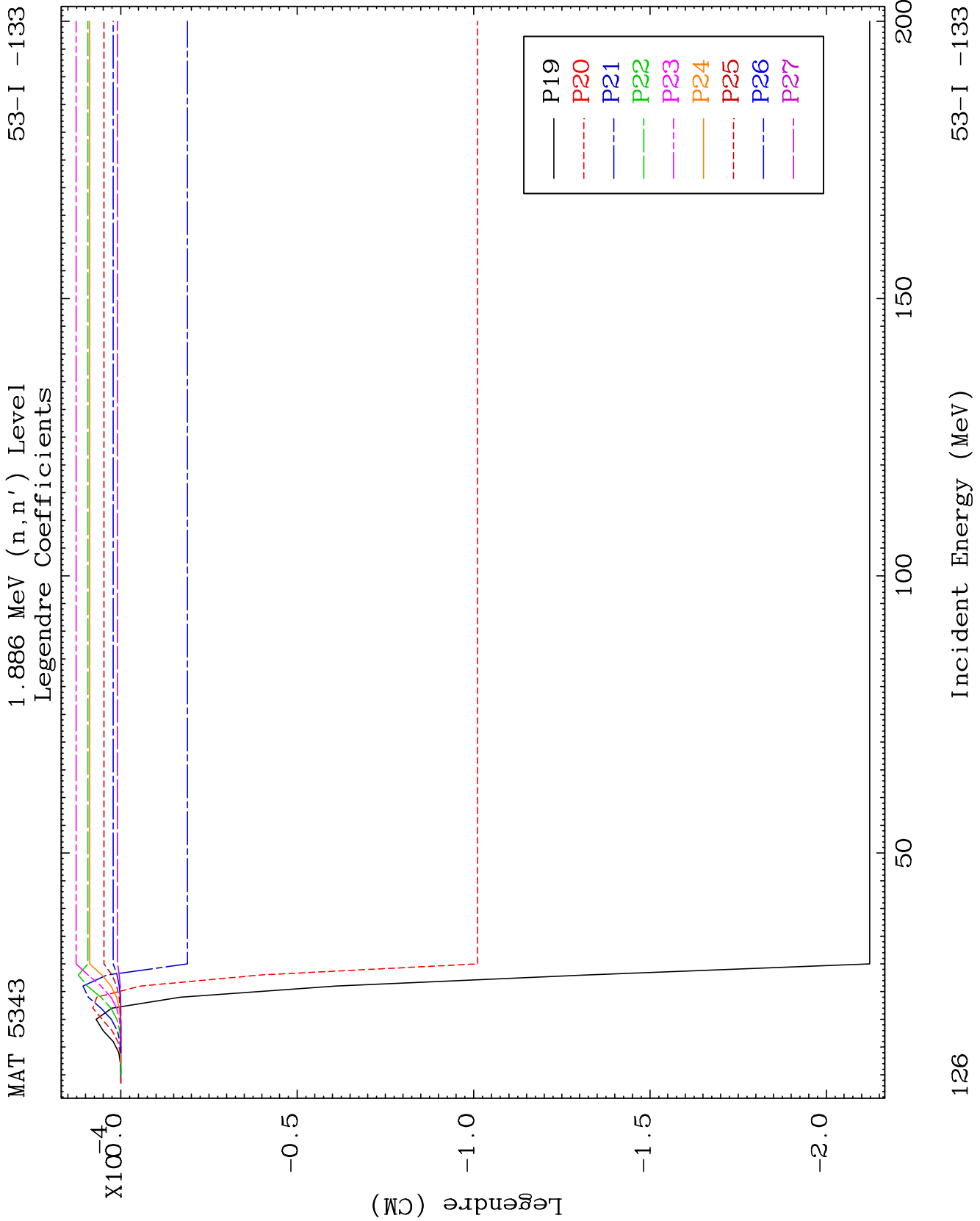
53-I -133



125

Incident Energy (MeV)

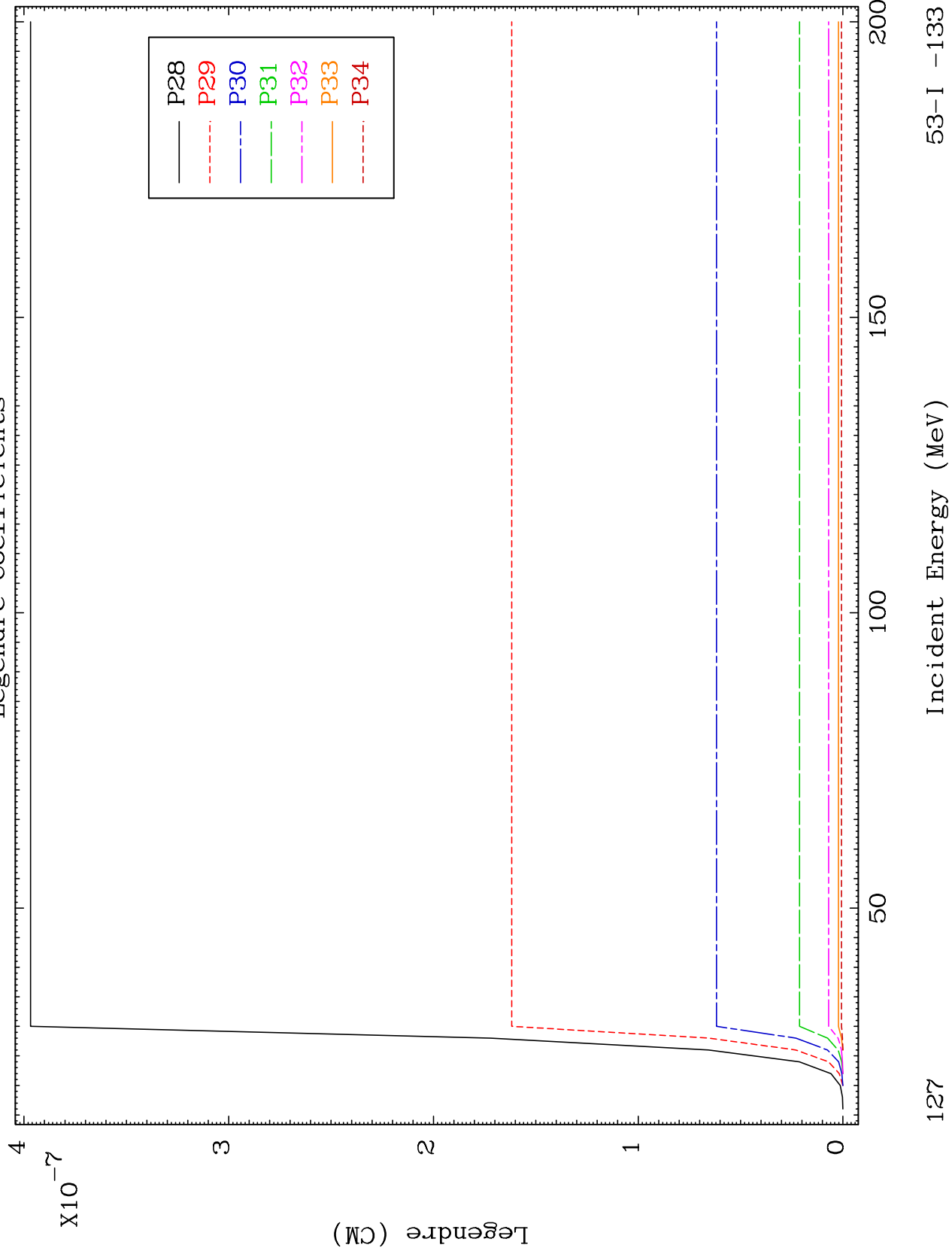
53-I -133



MAT 5343

1.886 MeV (n,n') Level
Legendre Coefficients

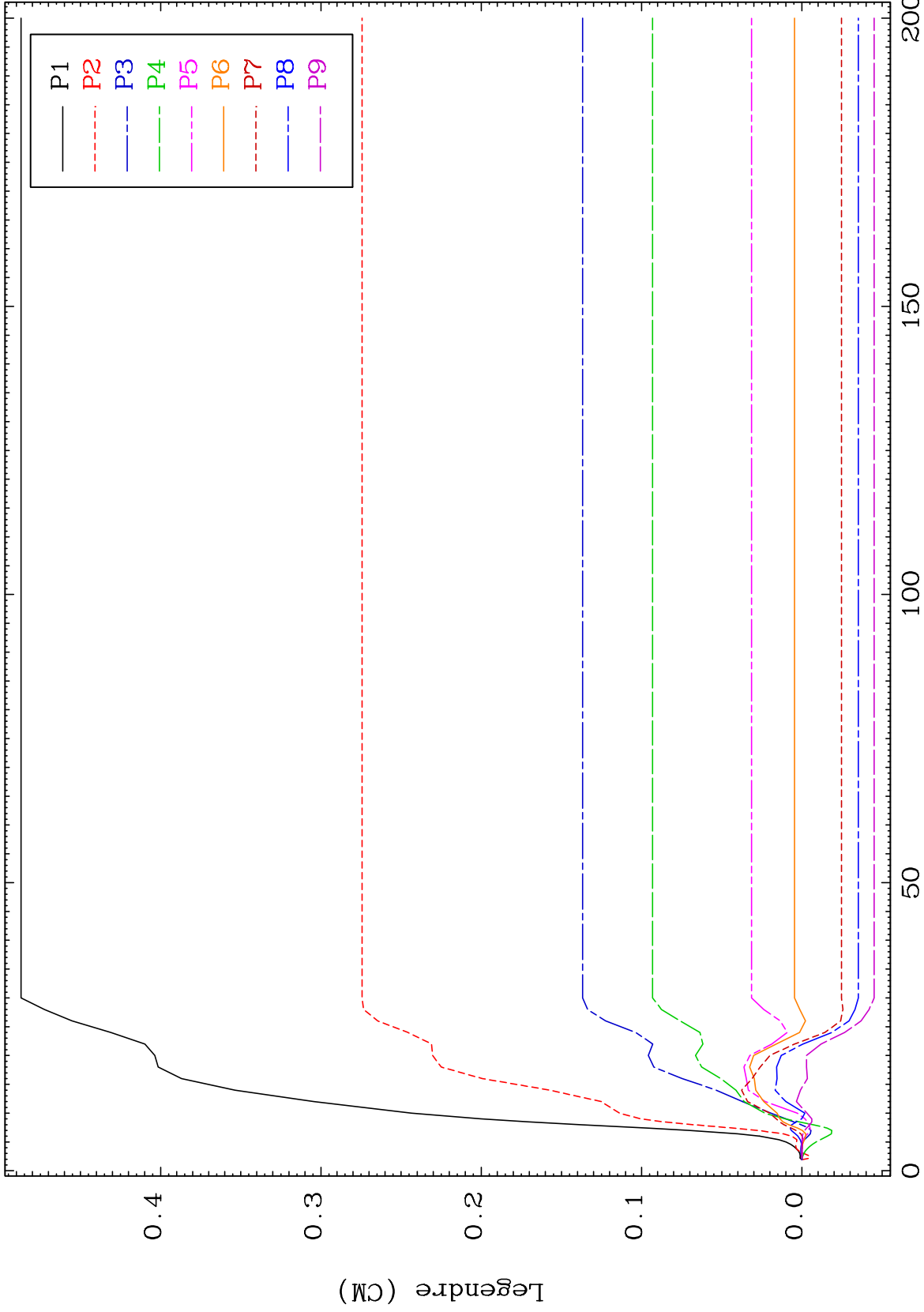
53-I -133

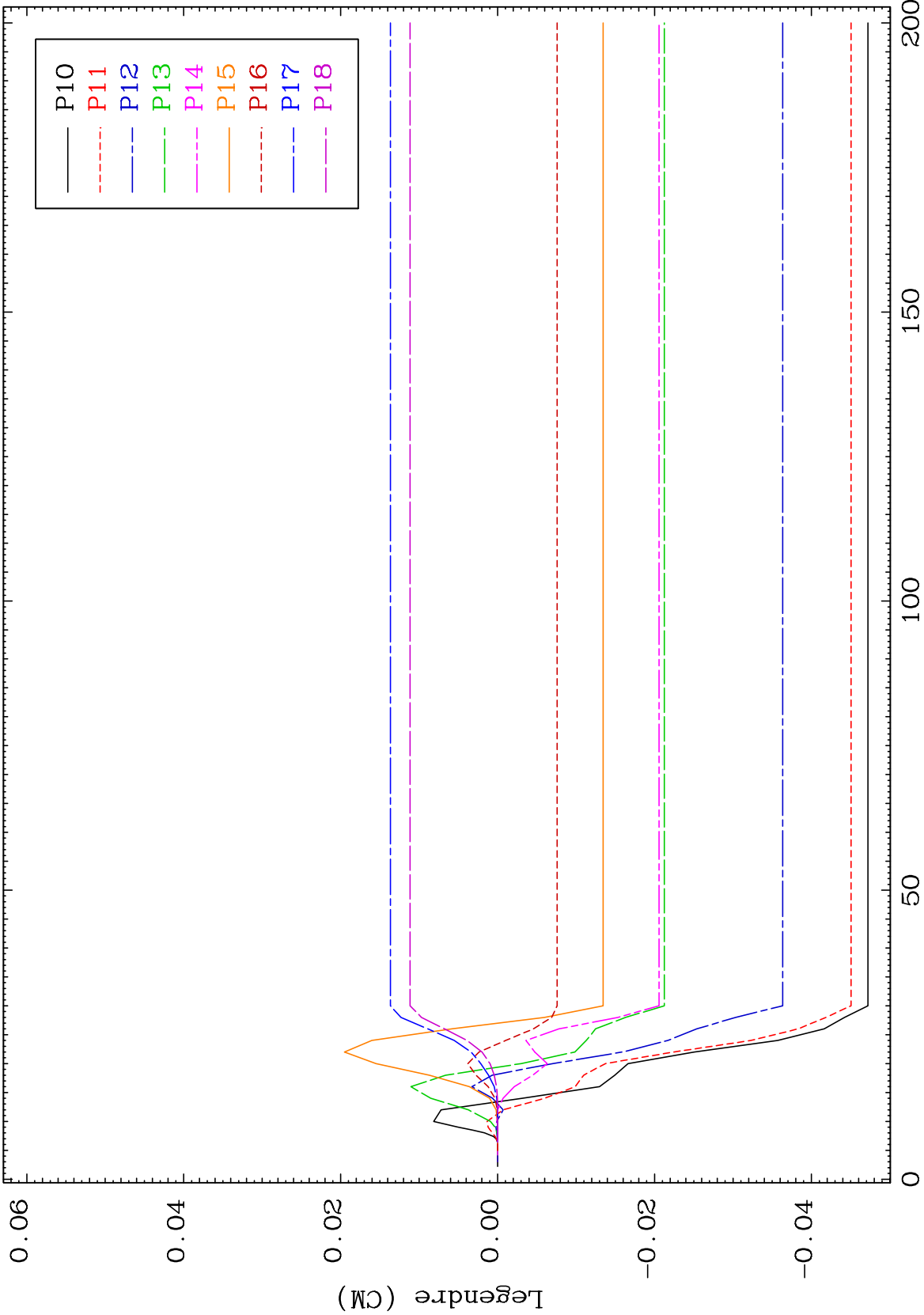


127

Incident Energy (MeV)

53-I -133

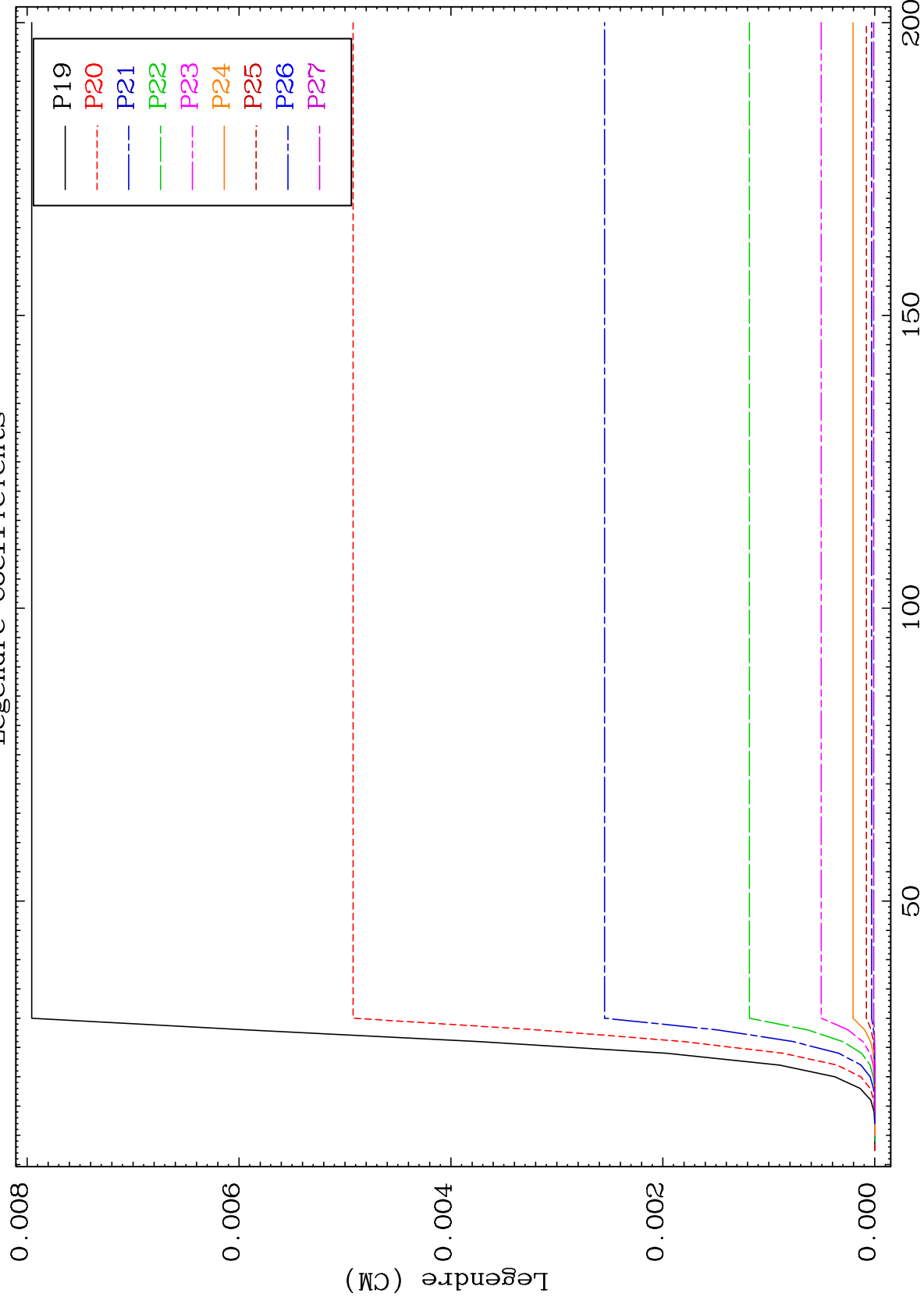




MAT 5343

1.893 MeV (n,n') Level
Legendre Coefficients

53-I -133



130

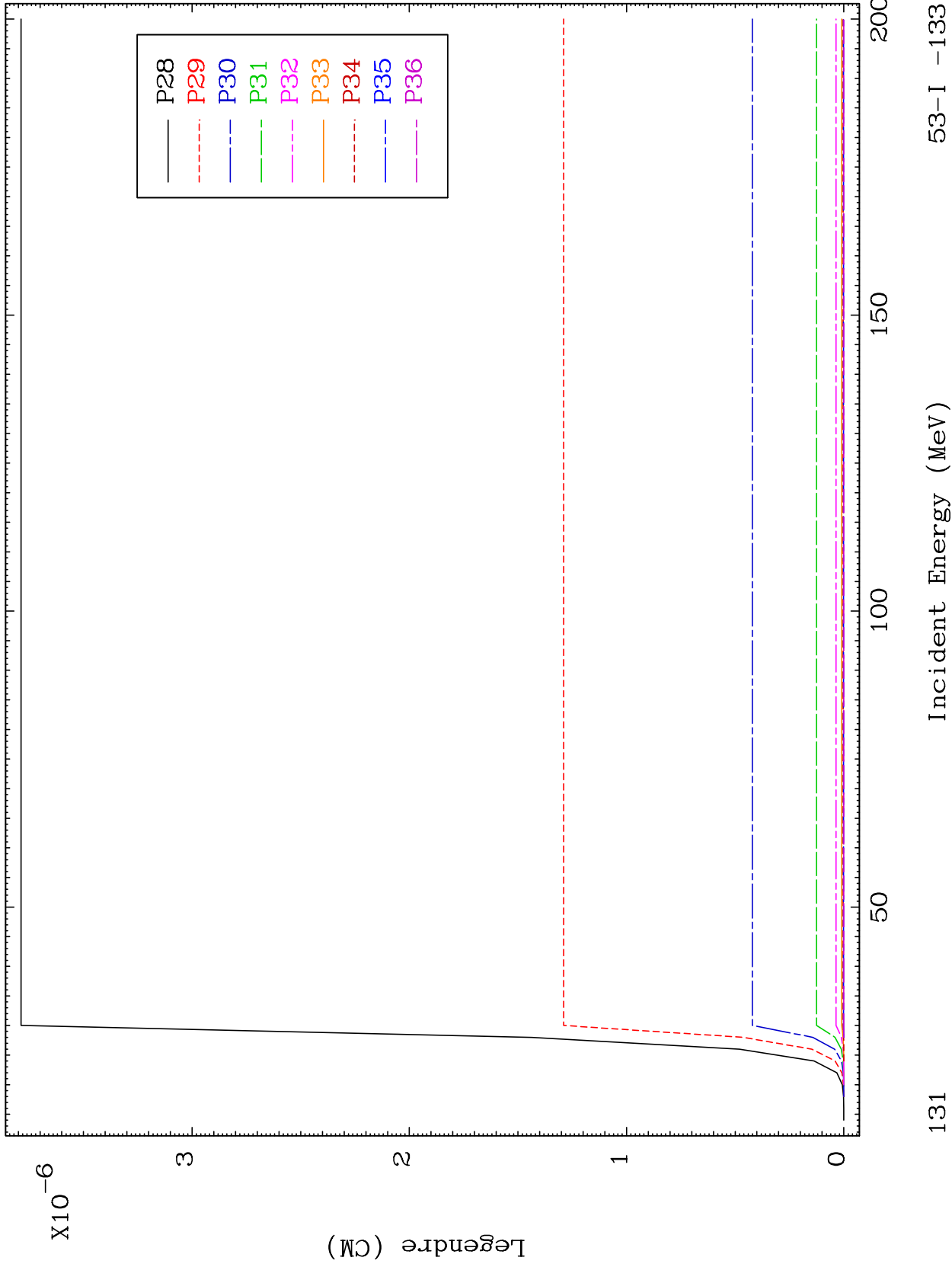
Incident Energy (MeV)

53-I -133

MAT 5343

1.893 MeV (n,n') Level
Legendre Coefficients

53-I -133



131

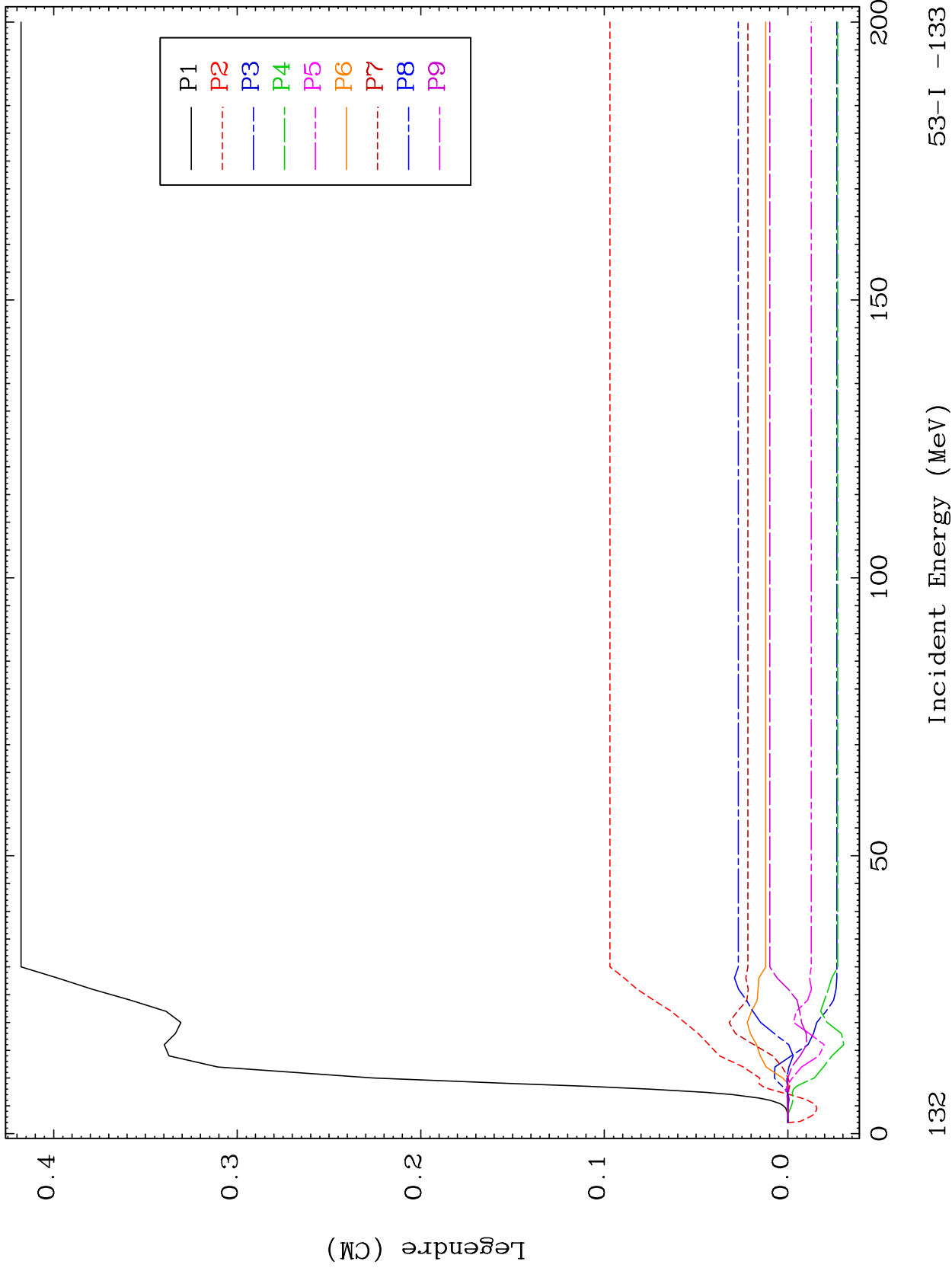
Incident Energy (MeV)

53-I -133

MAT 5343

1.943 MeV (n,n') Level
Legendre Coefficients

53-I -133



53-I -133

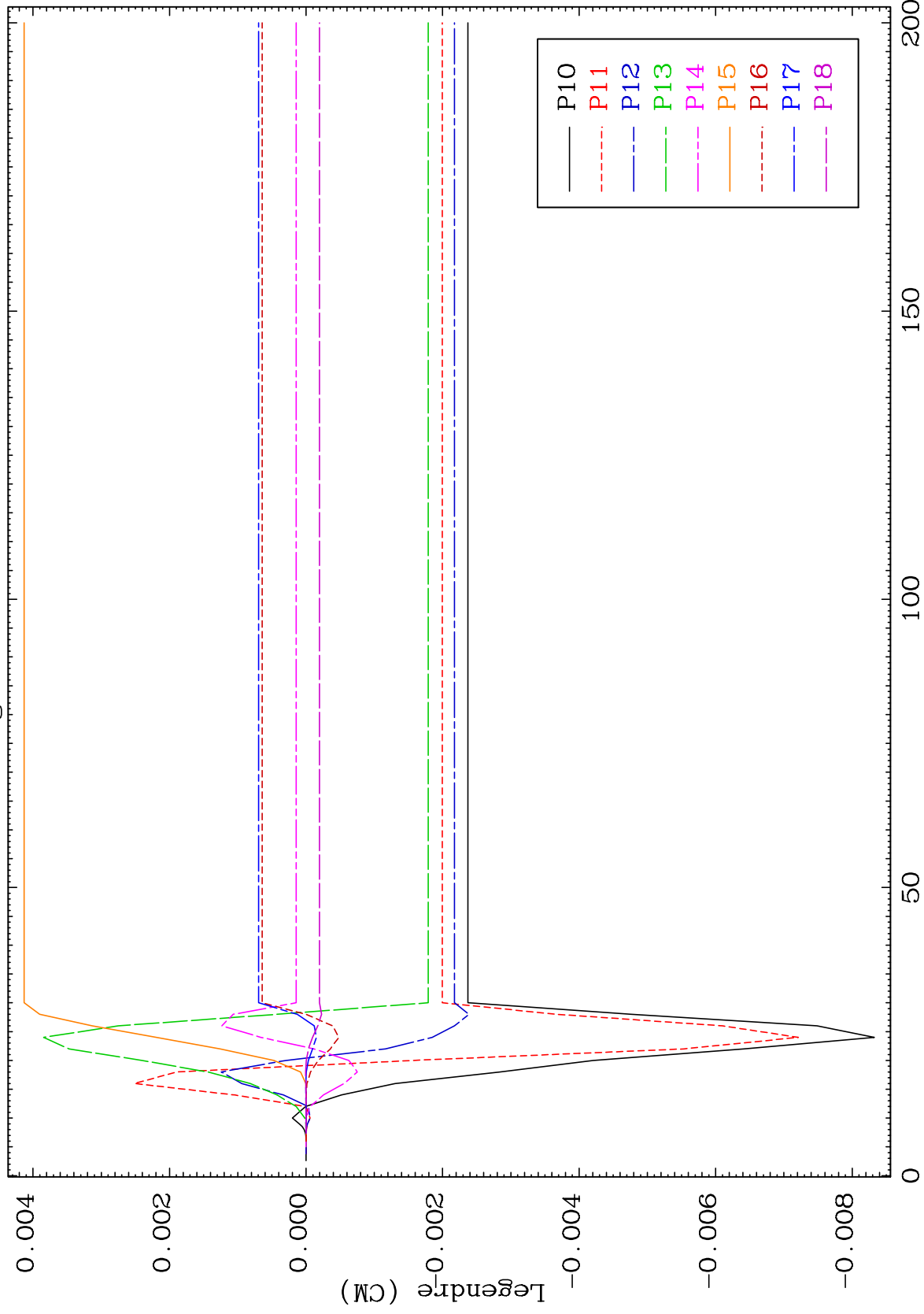
Incident Energy (MeV)

132

MAT 5343

1.943 MeV (n,n') Level
Legendre Coefficients

53-I -133

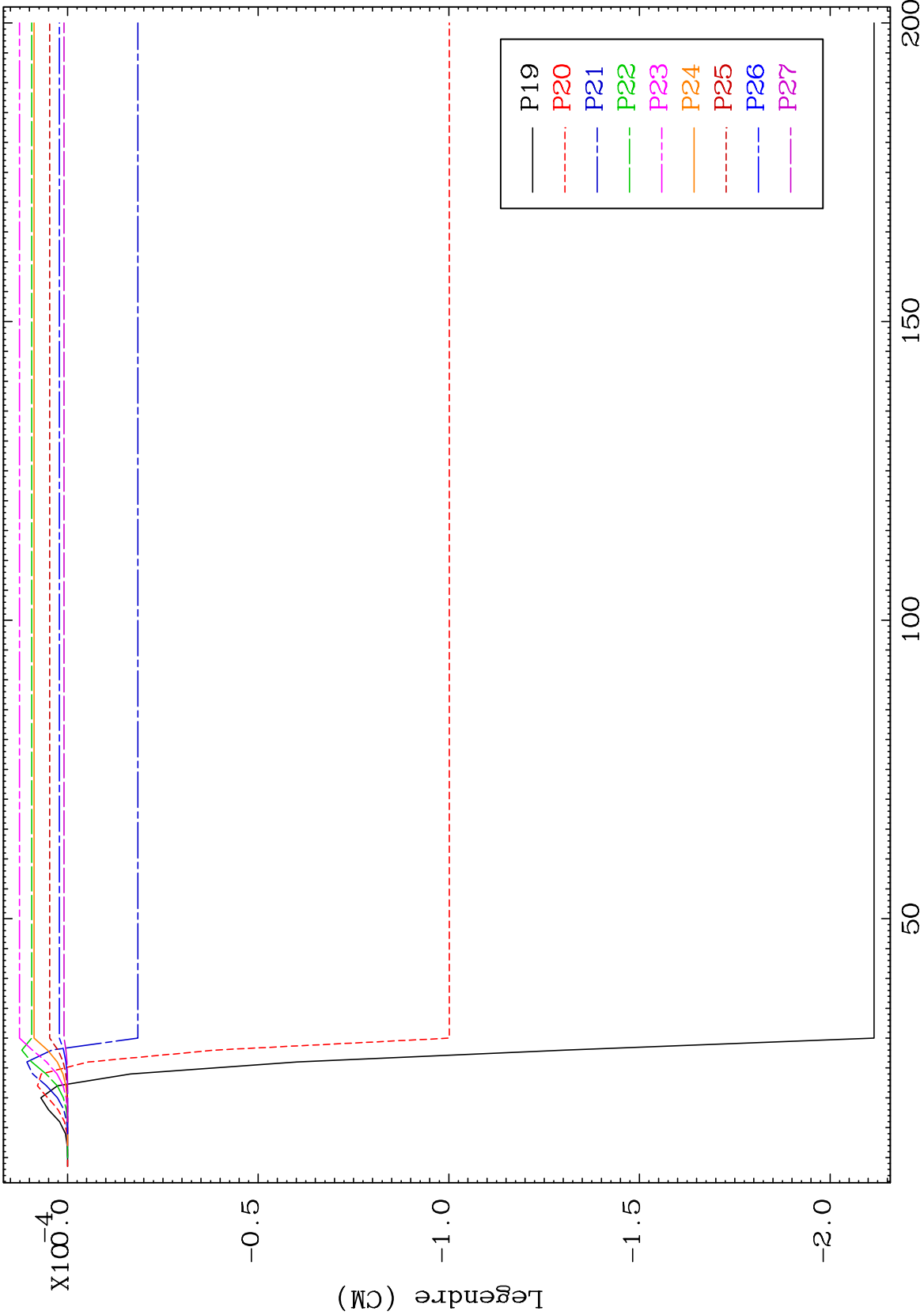


133

Incident Energy (MeV)

53-I -133

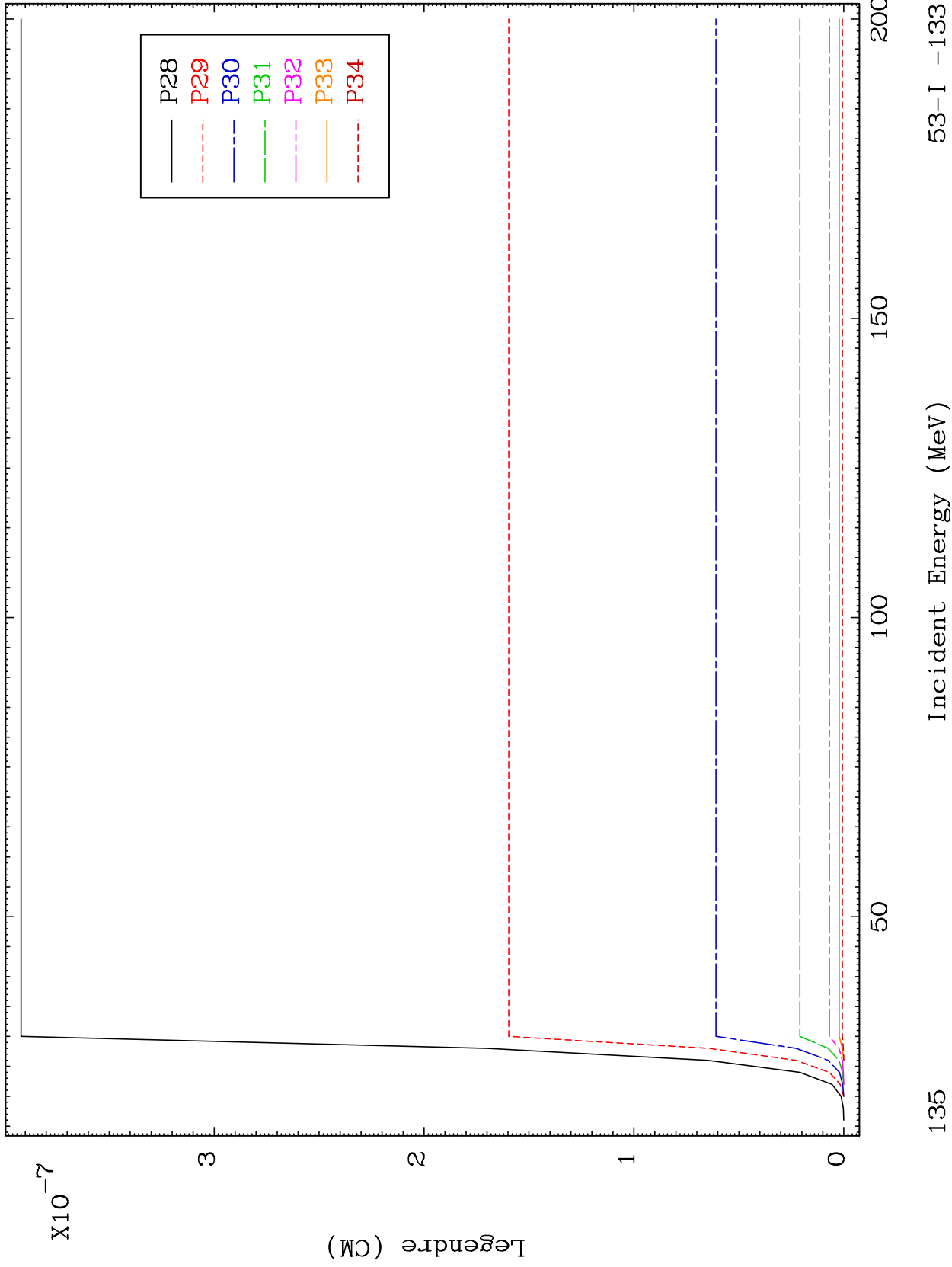
Legendre Coefficients



MAT 5343

1.943 MeV (n,n') Level
Legendre Coefficients

53-I -133

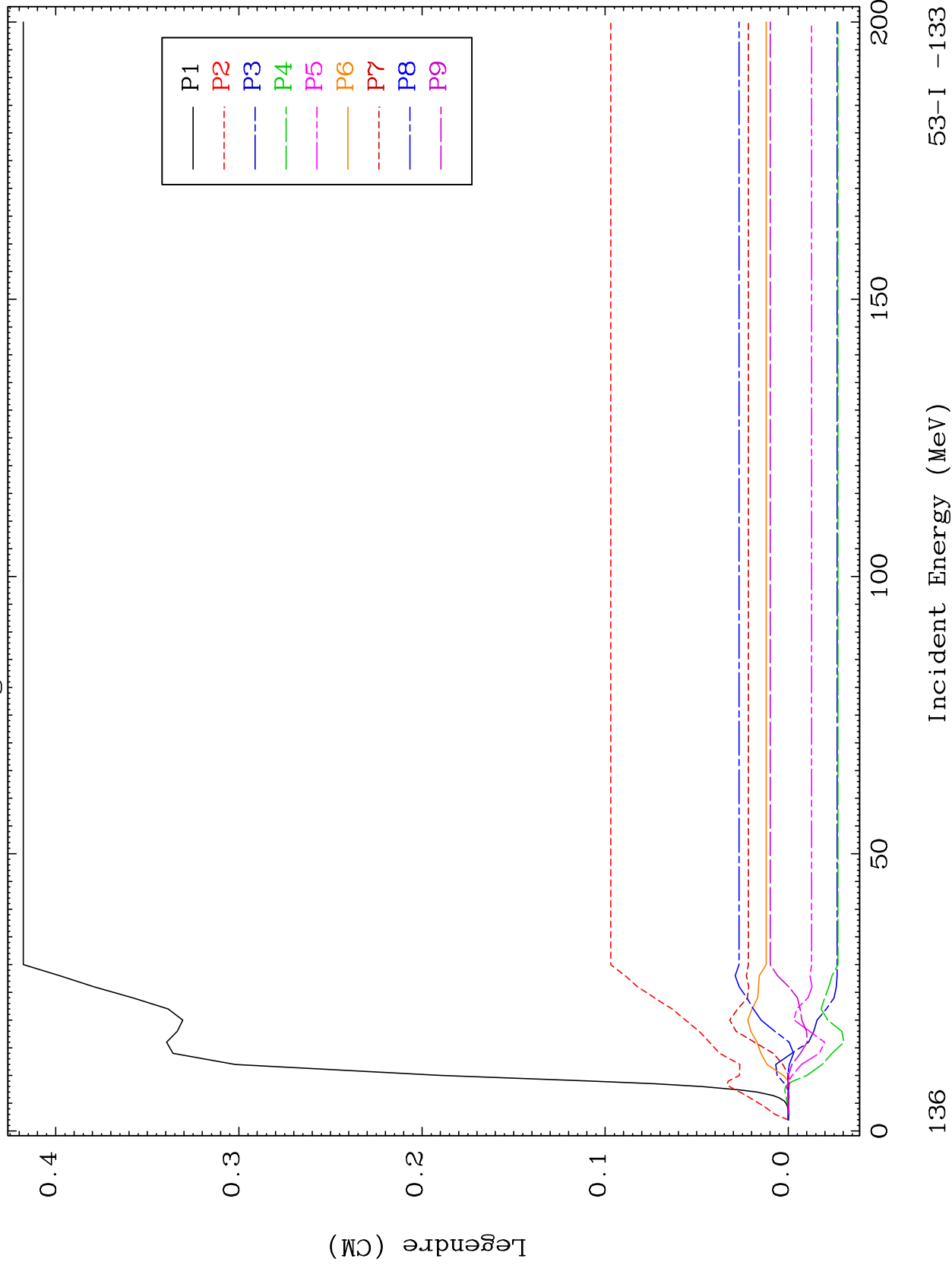


135

MAT 5343

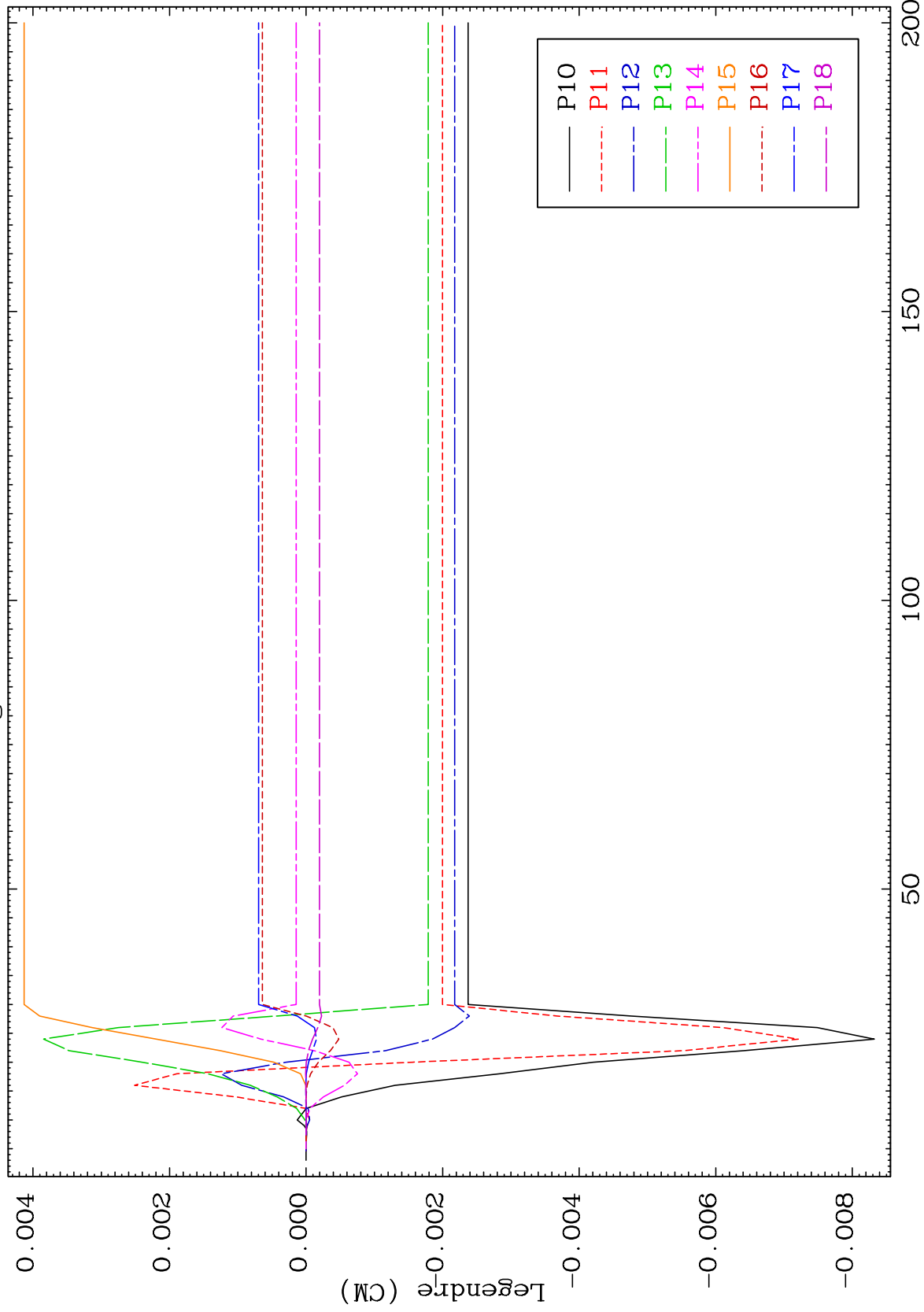
1.946 MeV (n,n') Level
Legendre Coefficients

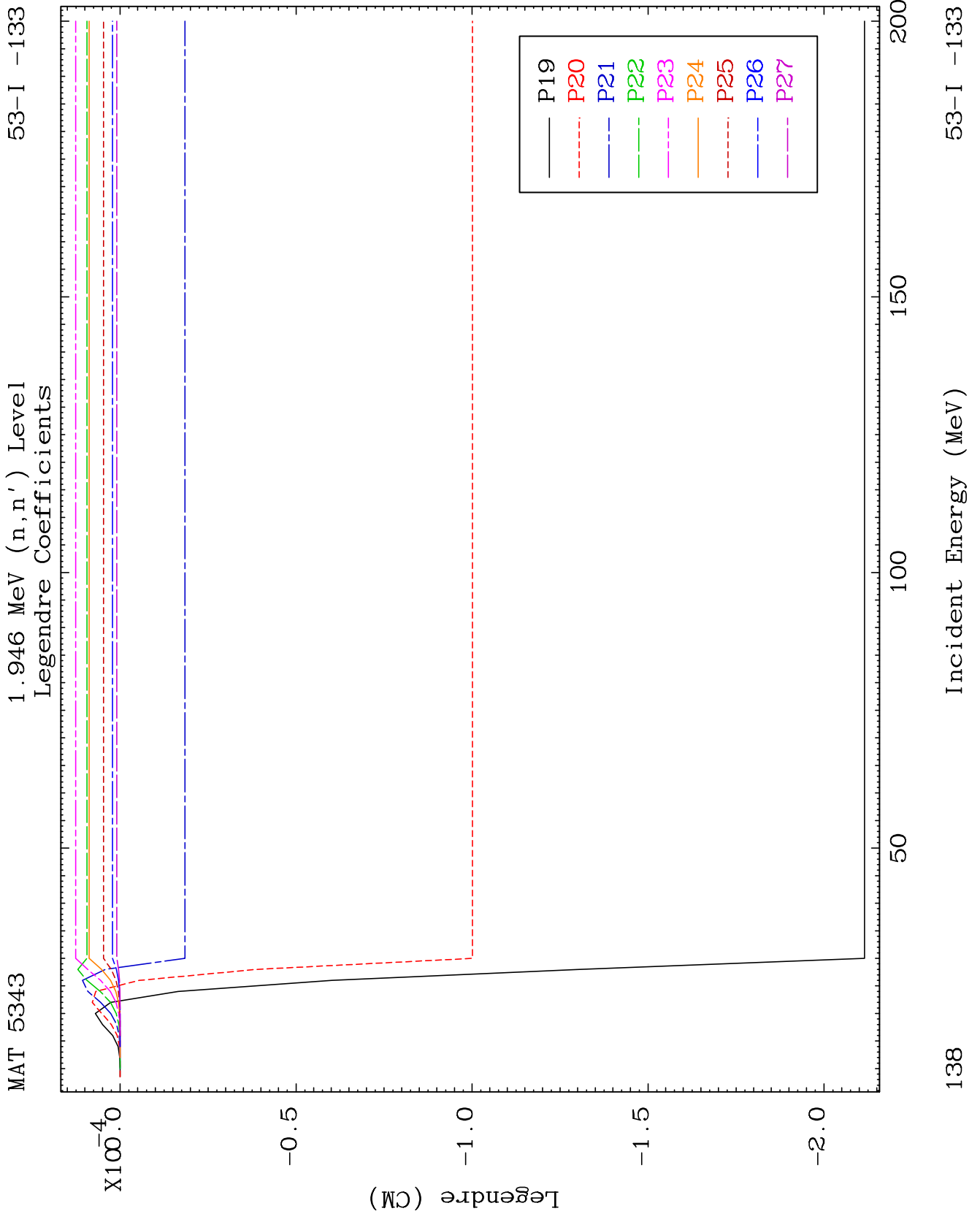
53-I -133



136

53-I -133

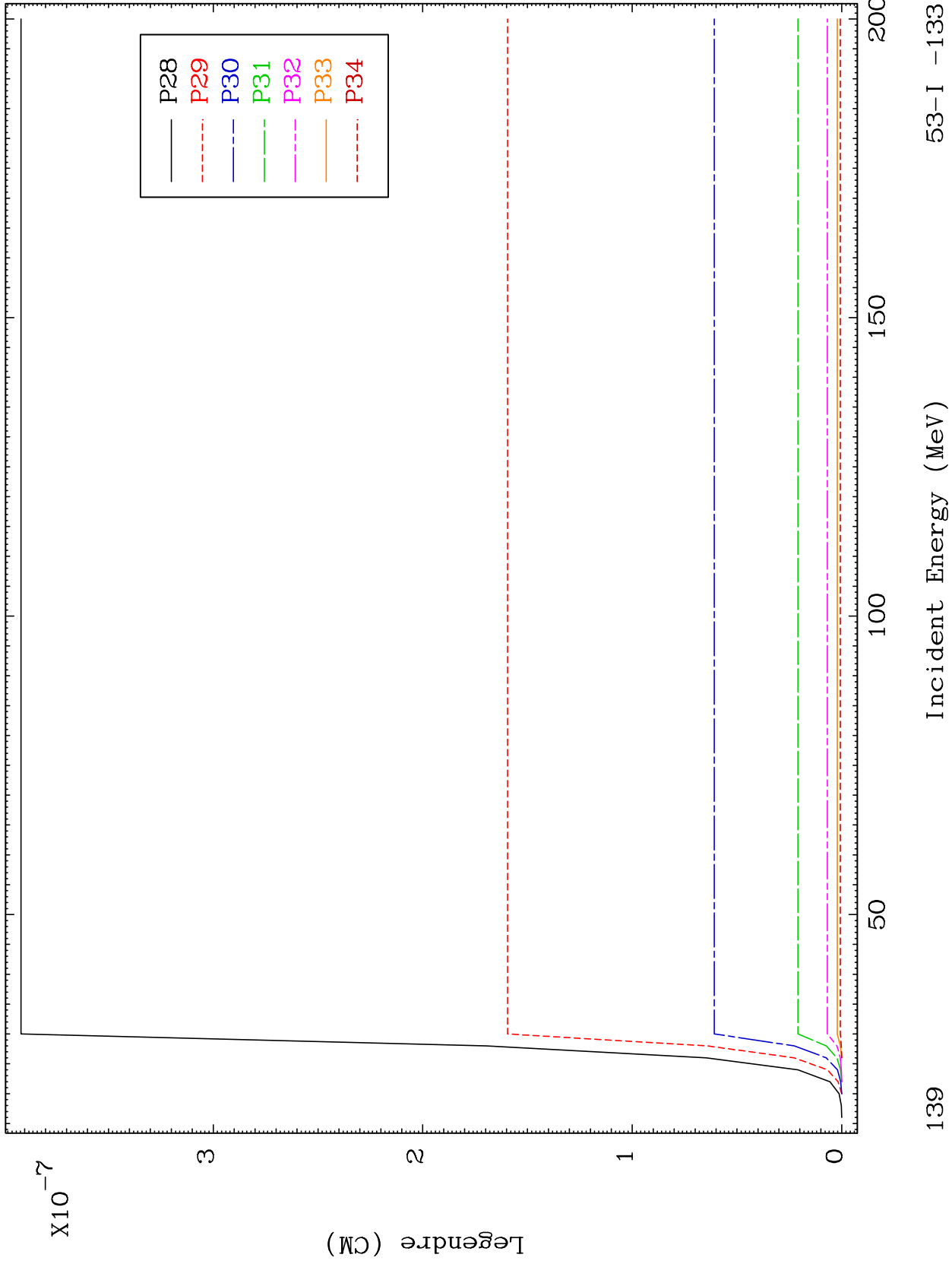




MAT 5343

1.946 MeV (n,n') Level
Legendre Coefficients

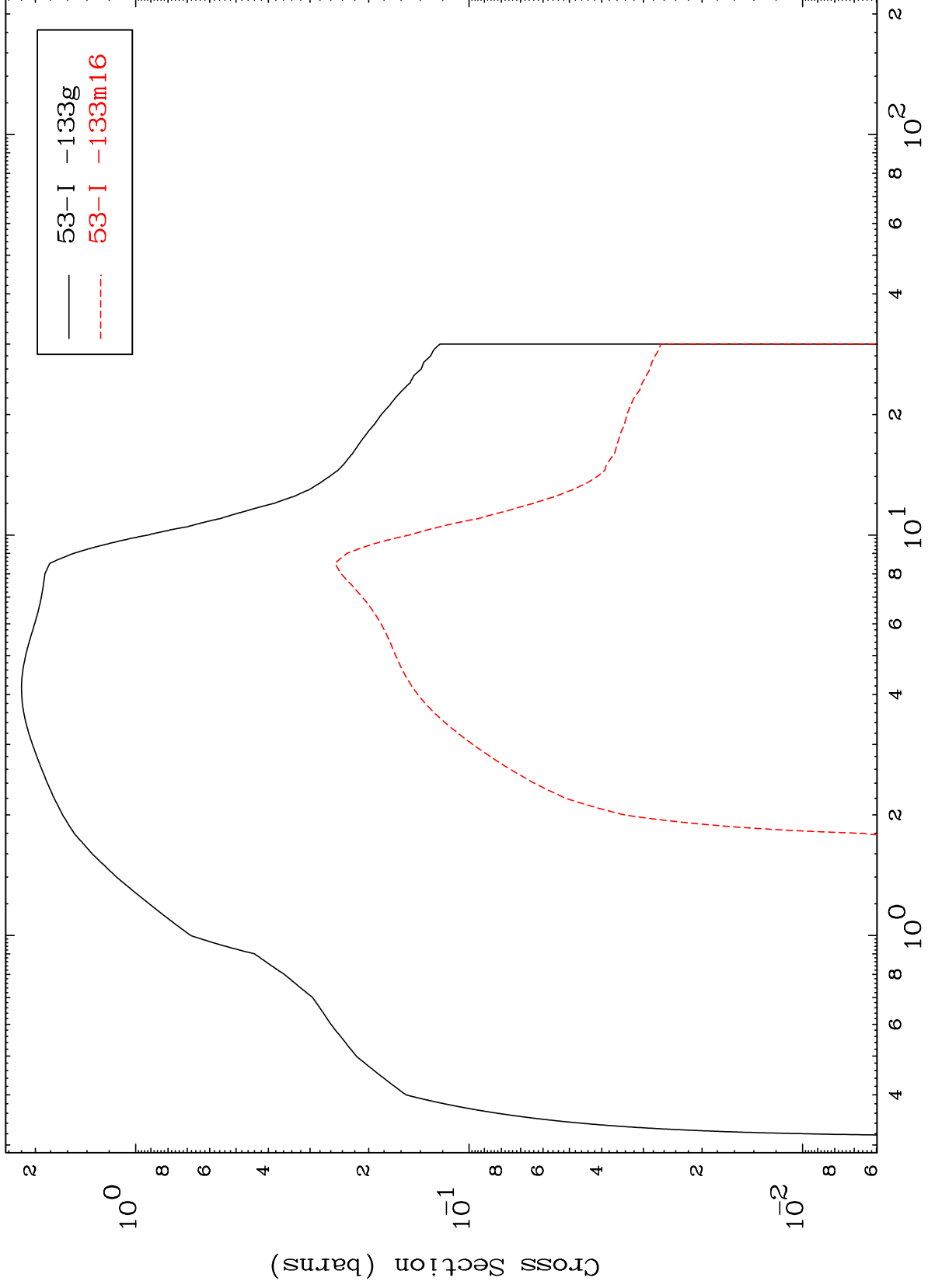
53-I -133



MAT 5343

53-I -133

Inelastic
Radionuclide Production Cross Section



53-I -133g
53-I -133m16

140

53-I -133

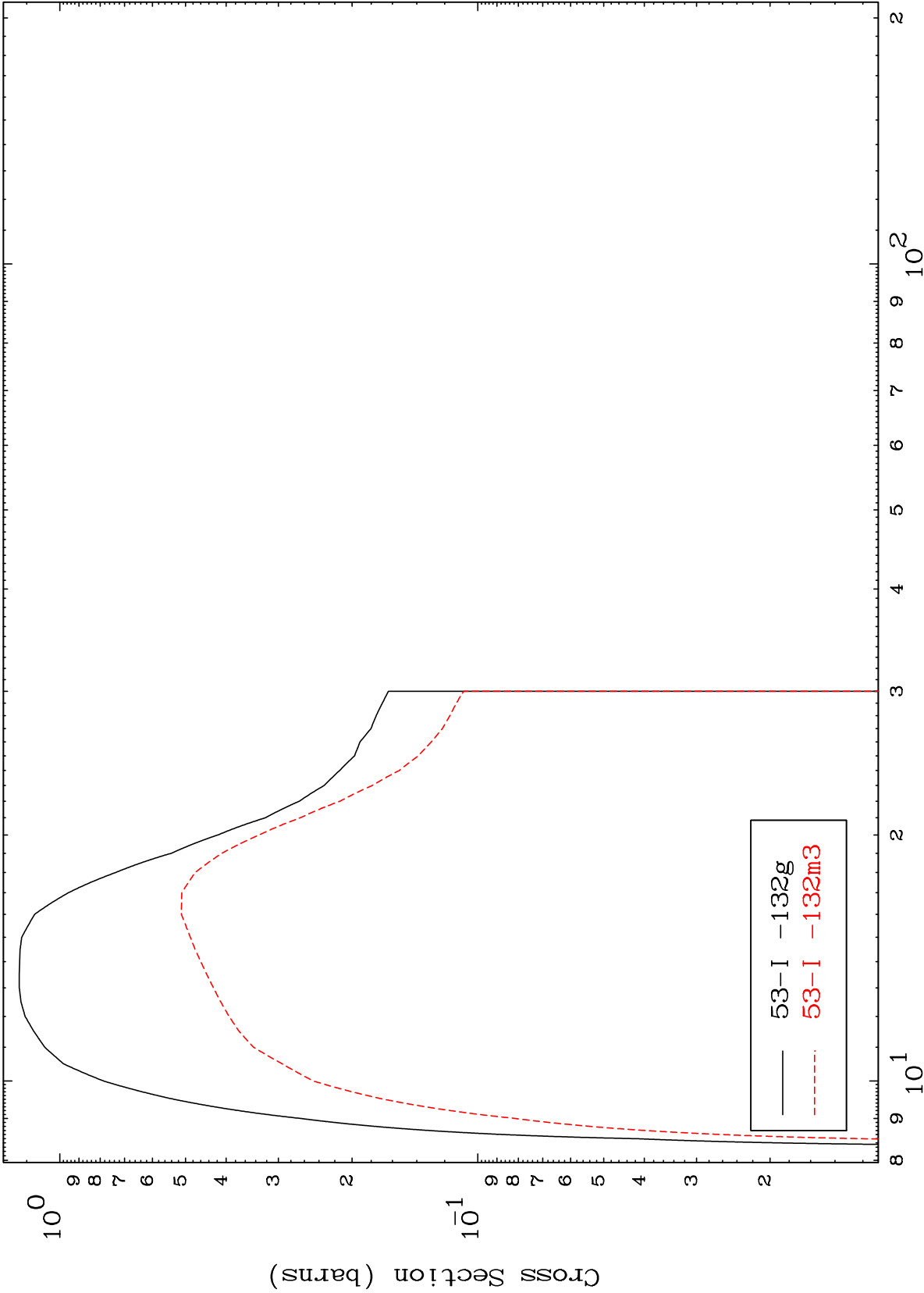
Incident Energy (MeV)

MAT 5343

(n,2n)

53-I -133

Radionuclide Production Cross Section



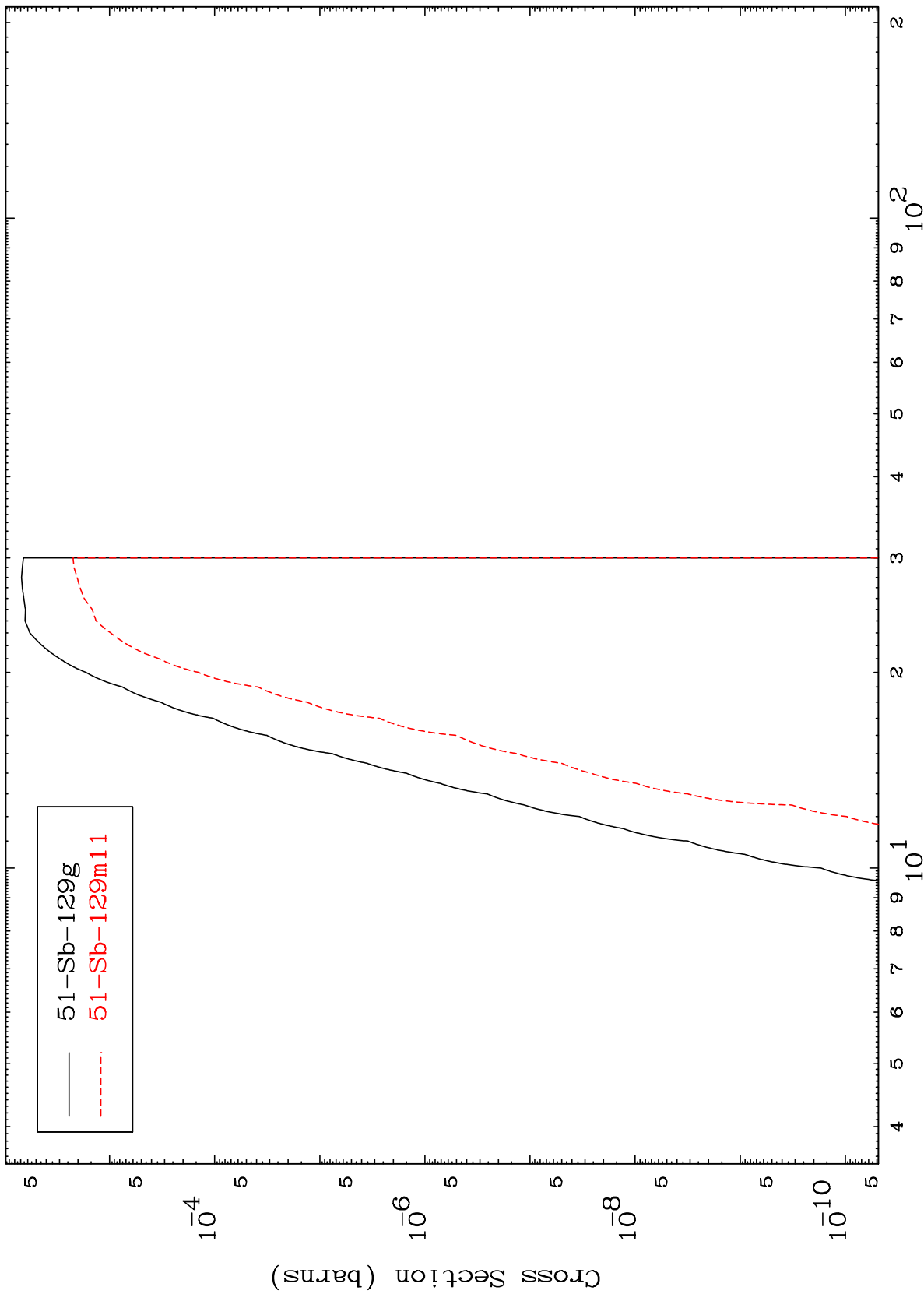
53-I -132g
53-I -132m3

141

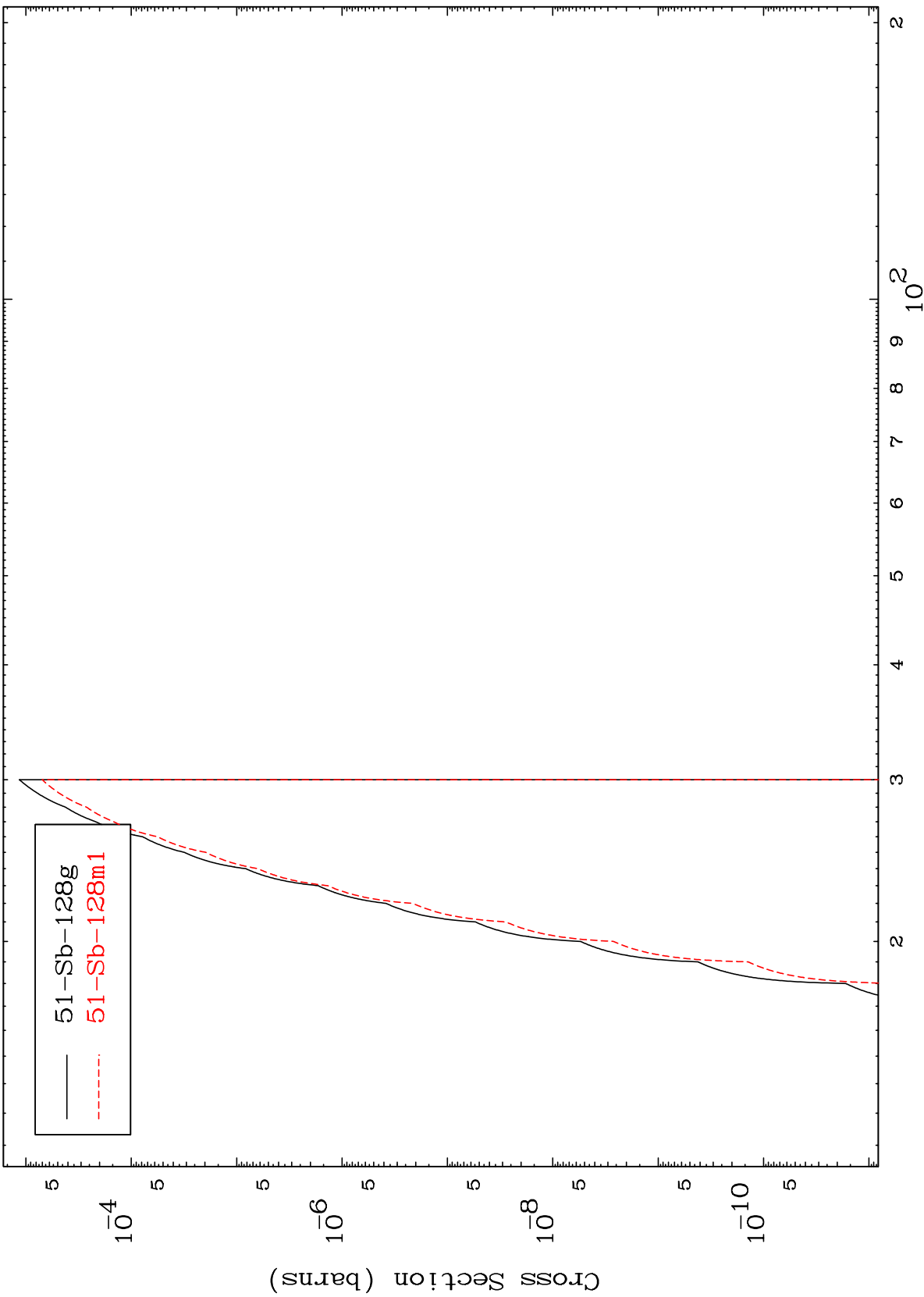
Incident Energy (MeV)

53-I -133

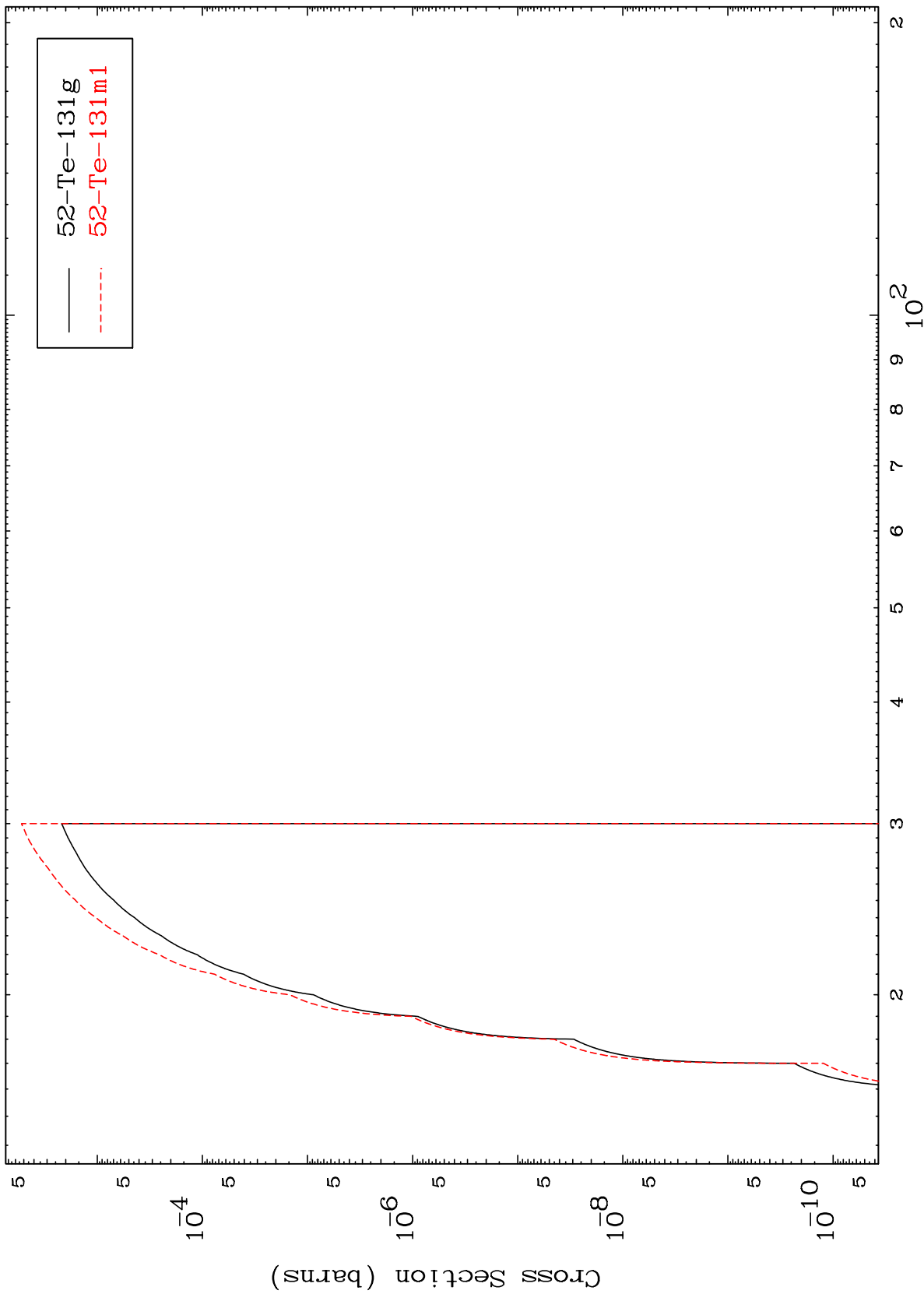
Radionuclide Production Cross Section



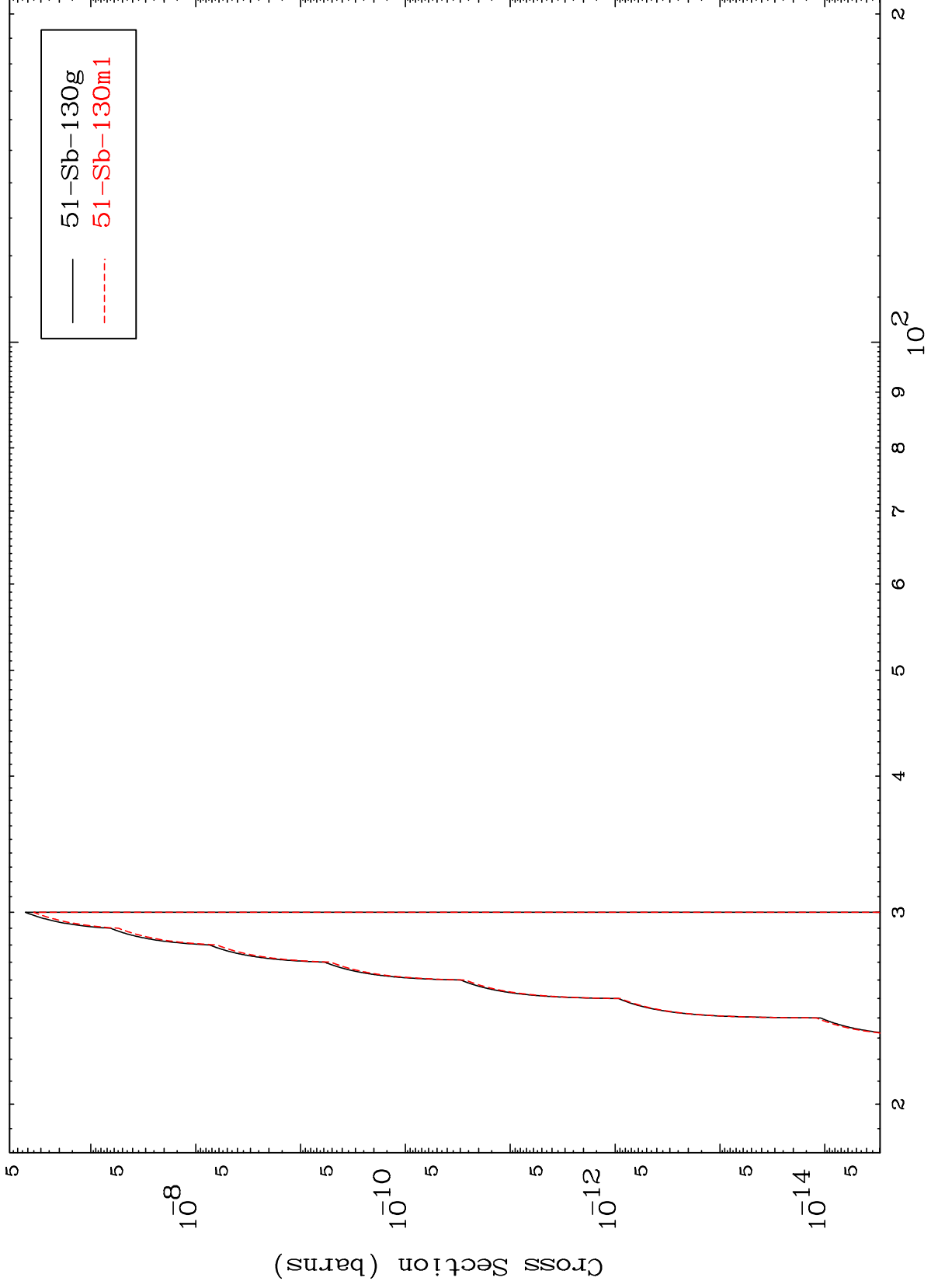
Radionuclide Production Cross Section



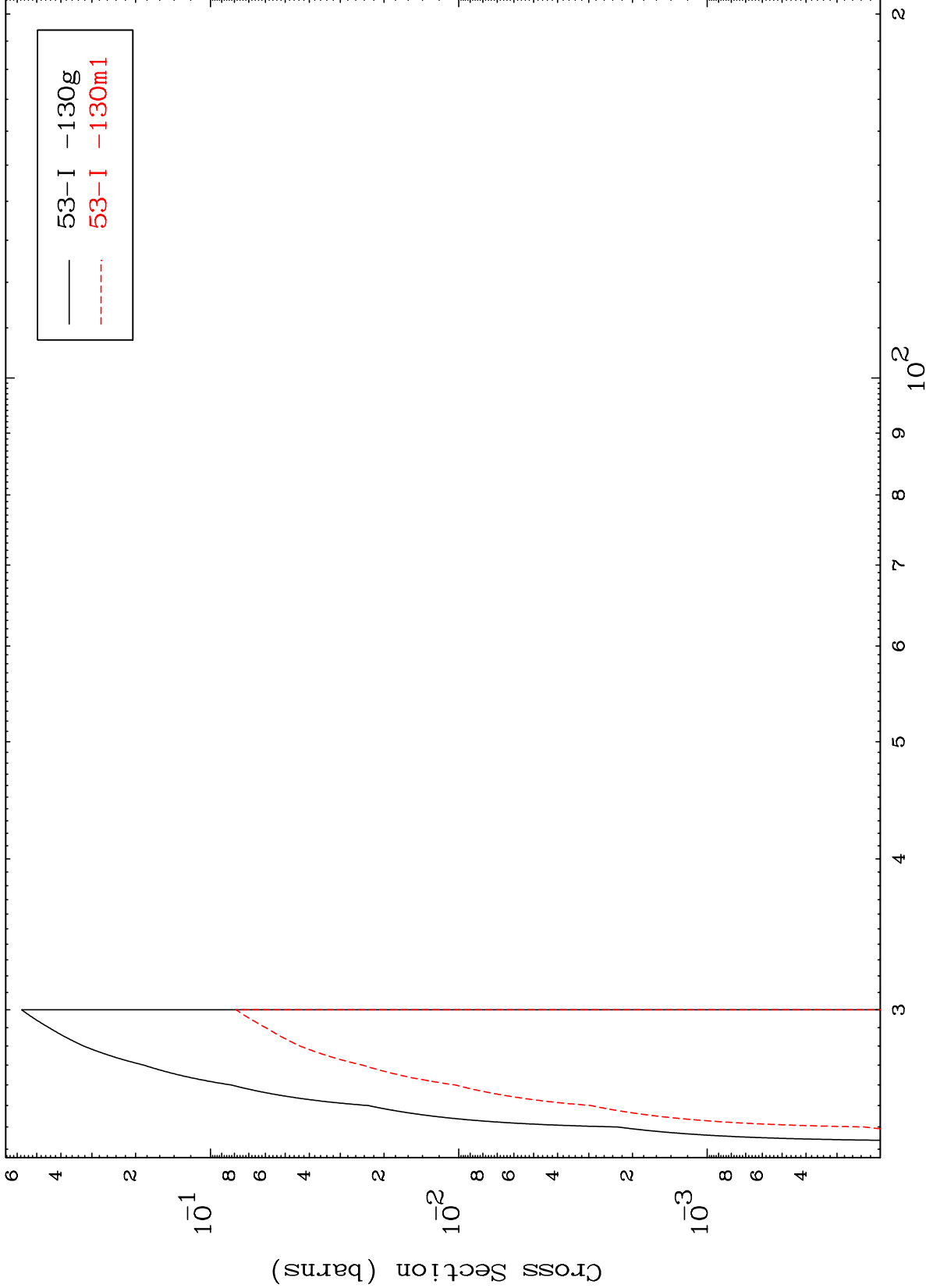
Radionuclide Production Cross Section



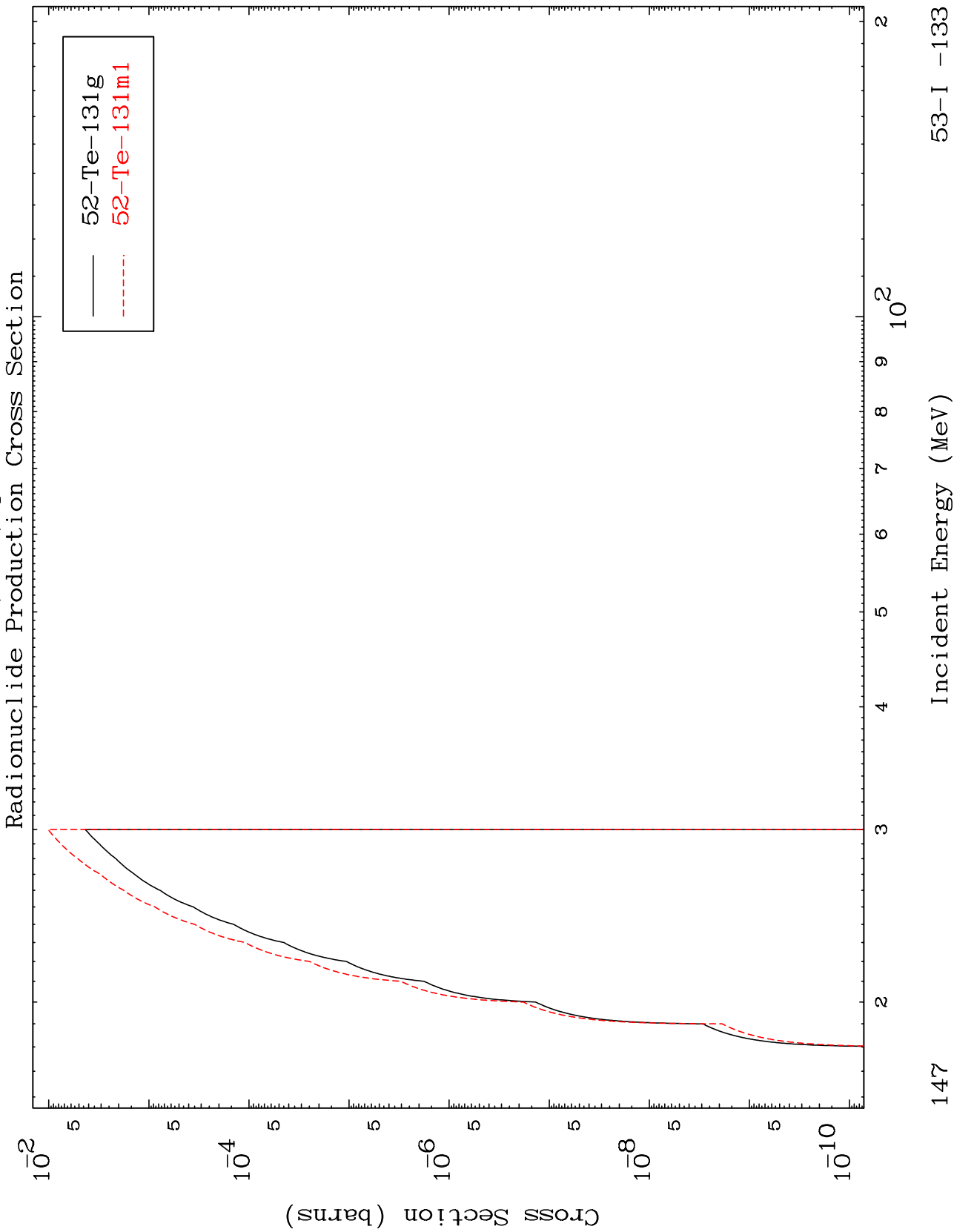
Radionuclide Production Cross Section



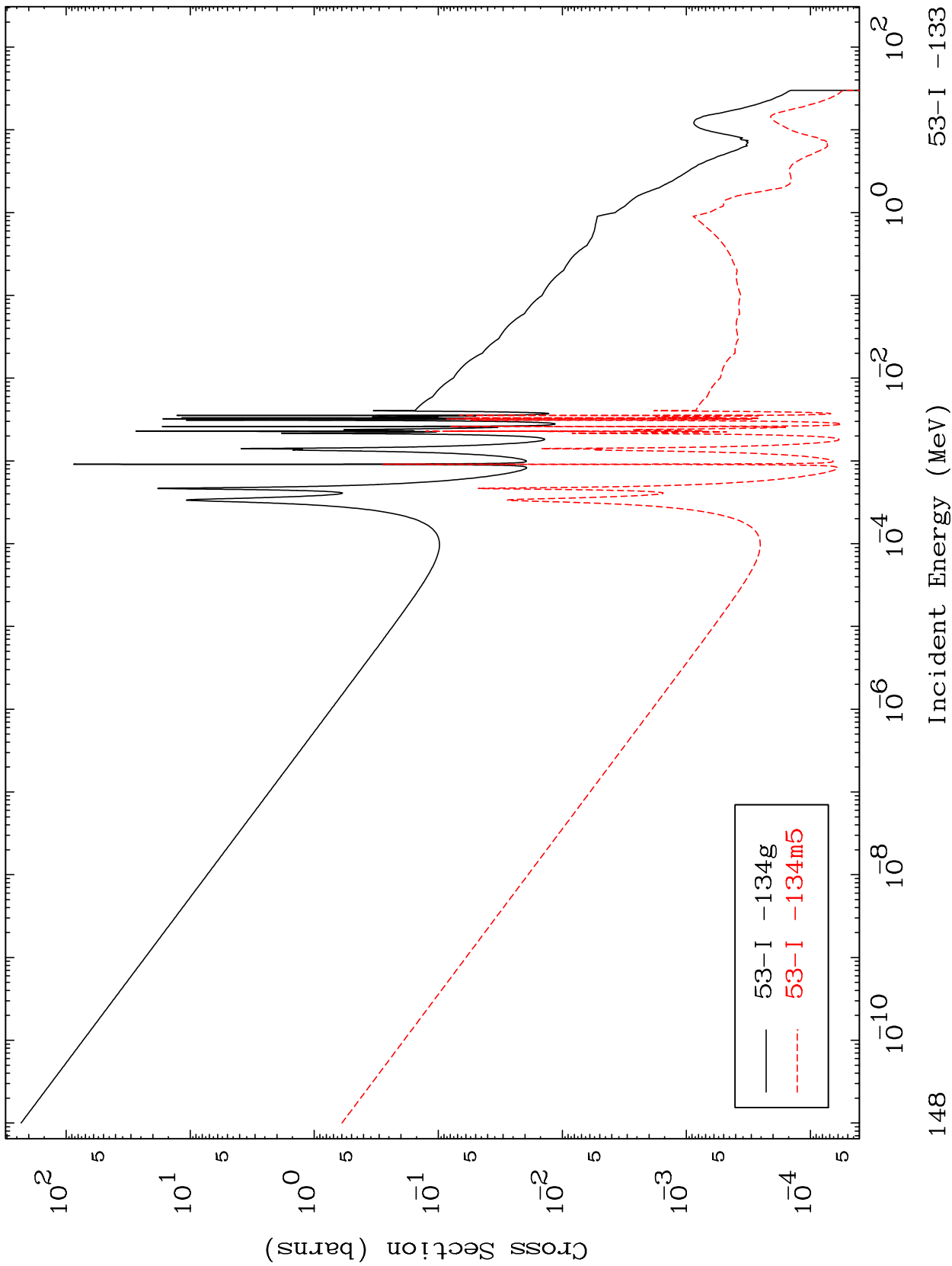
Radionuclide Production Cross Section



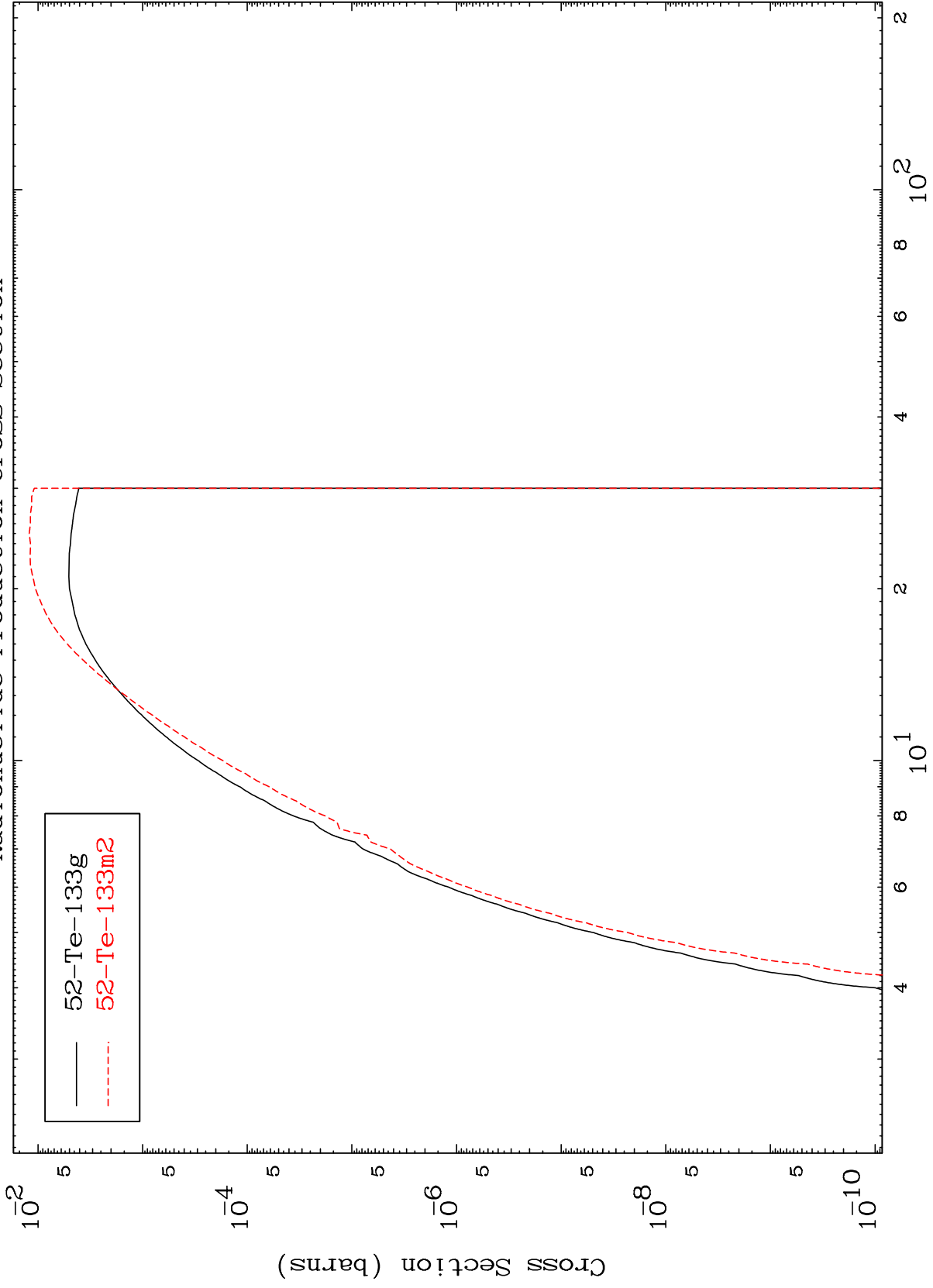
53-I -130g
53-I -130m1



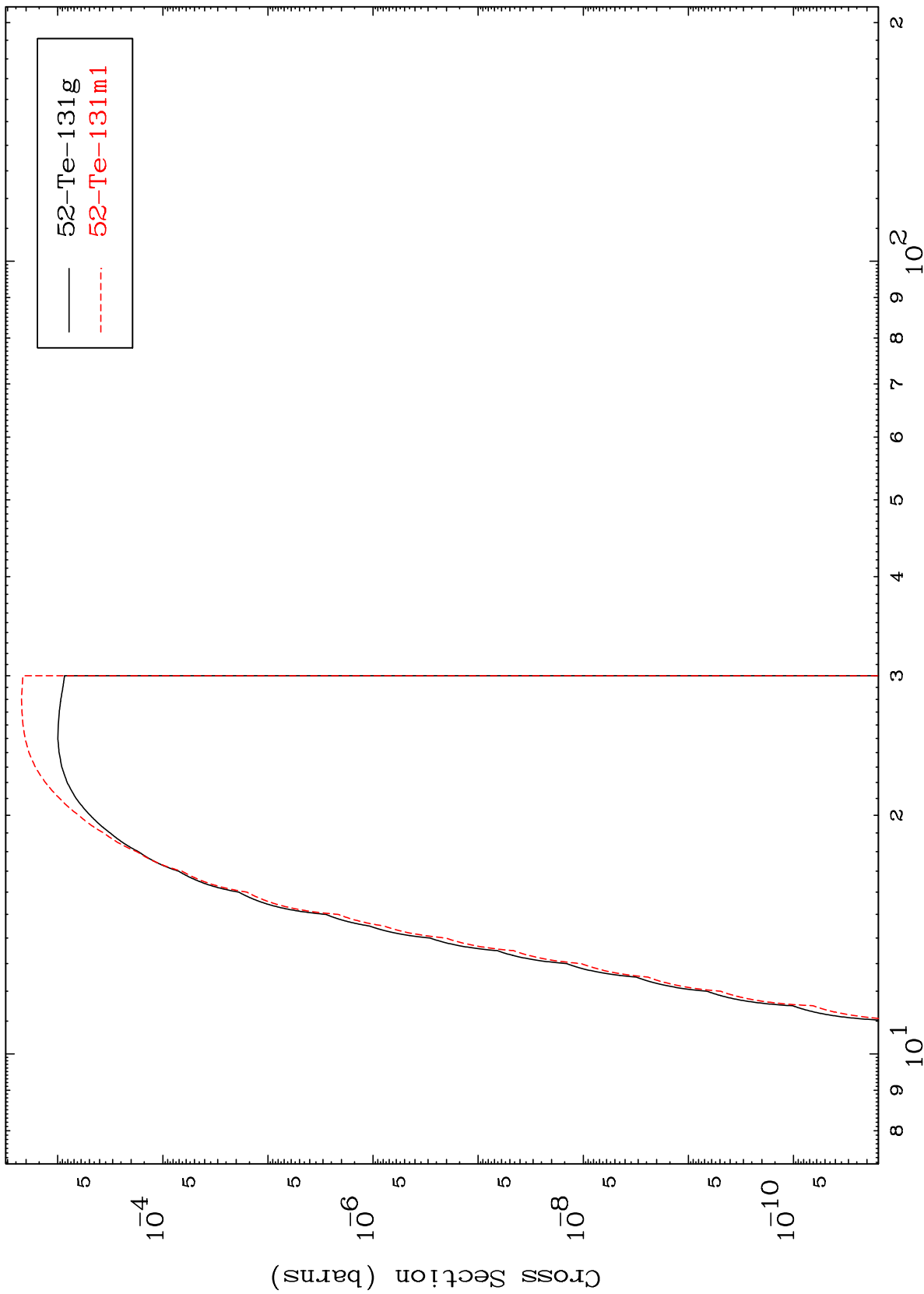
(n,γ)
Radionuclide Production Cross Section



(n,p)
Radionuclide Production Cross Section



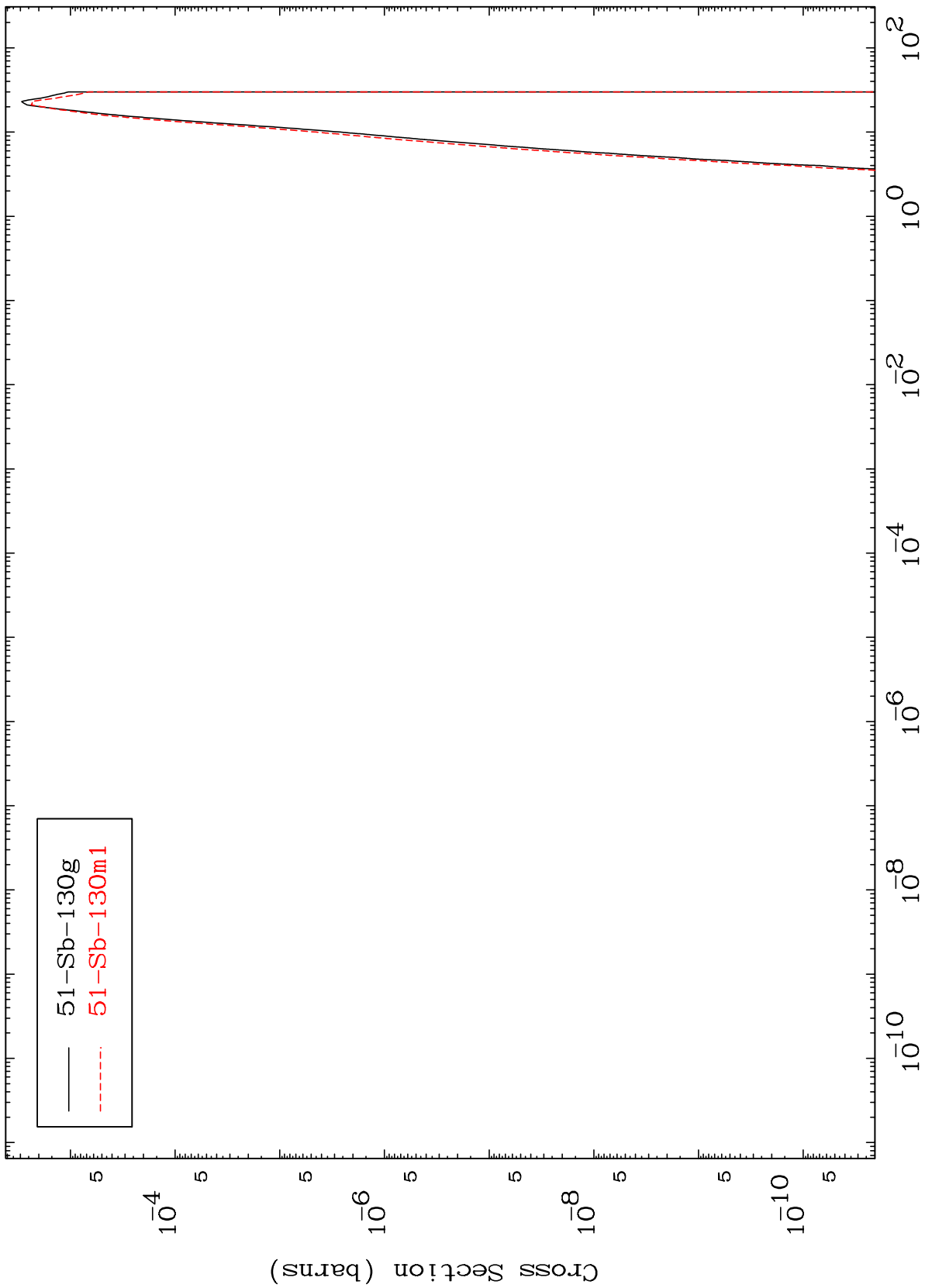
(n,t)
Radionuclide Production Cross Section



MAT 5343

53-I -133

Radionuclide Production Cross Section



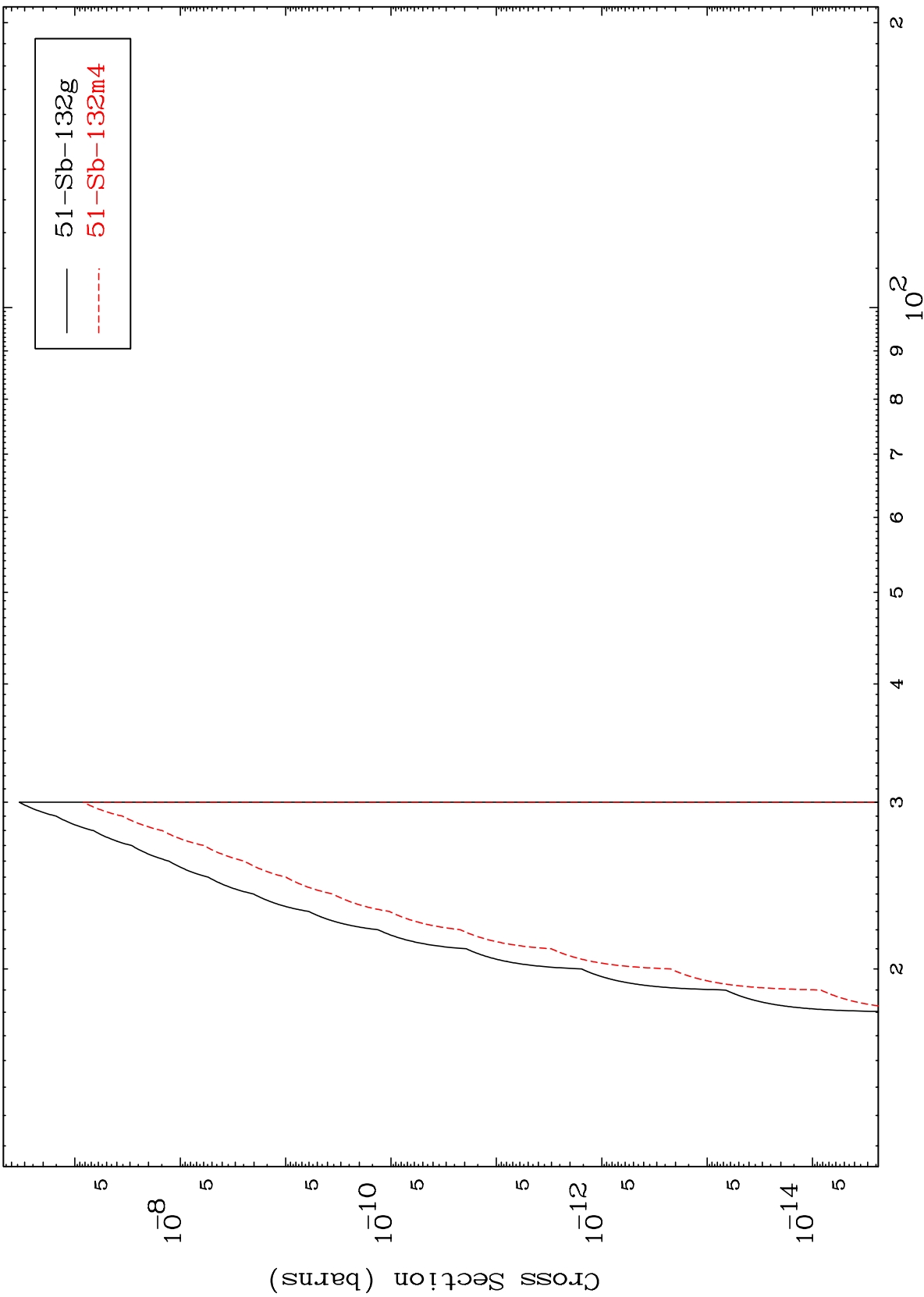
51-Sb-130g
51-Sb-130m1

53-I -133

Incident Energy (MeV)

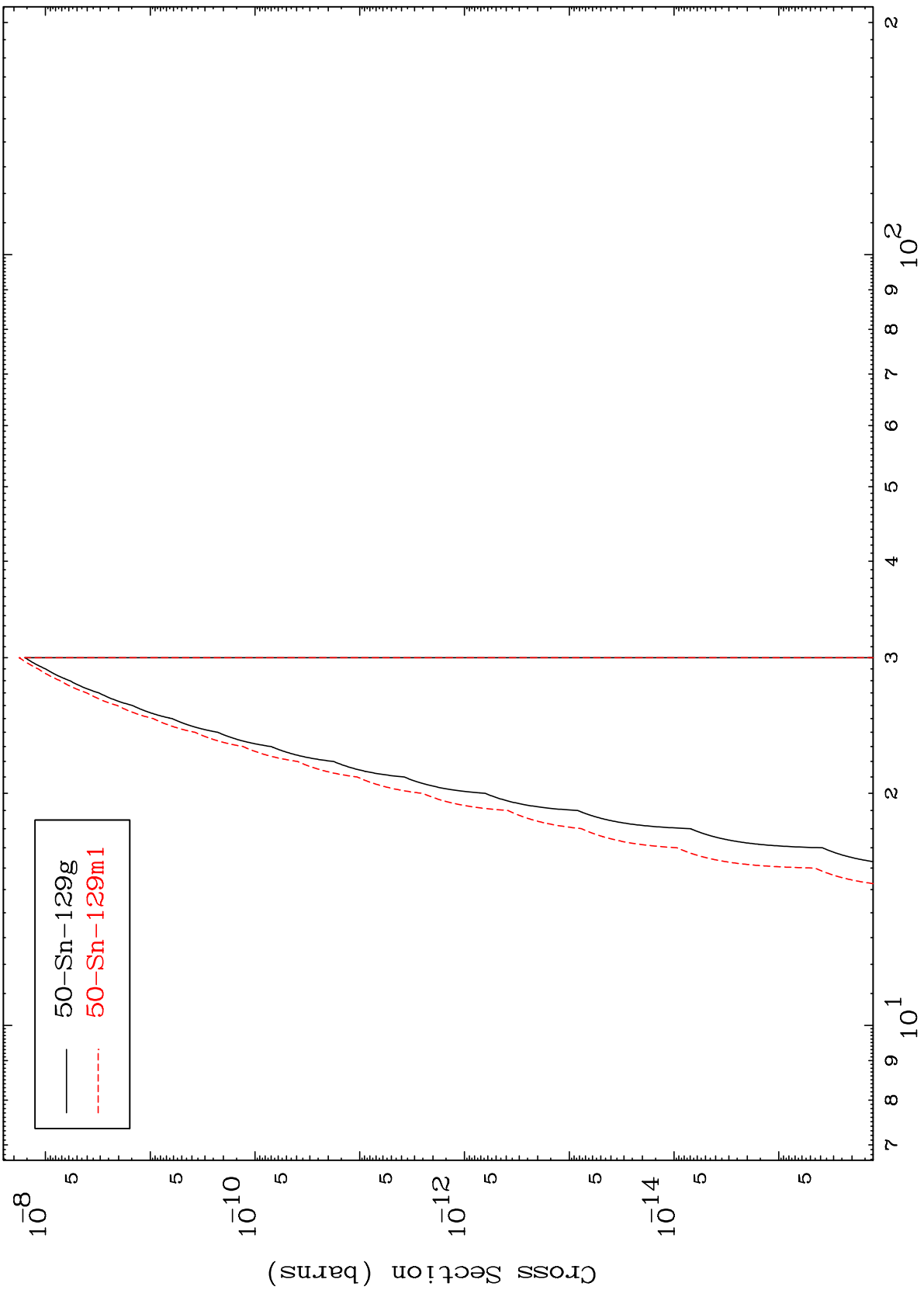
151

(n,2p)
Radionuclide Production Cross Section

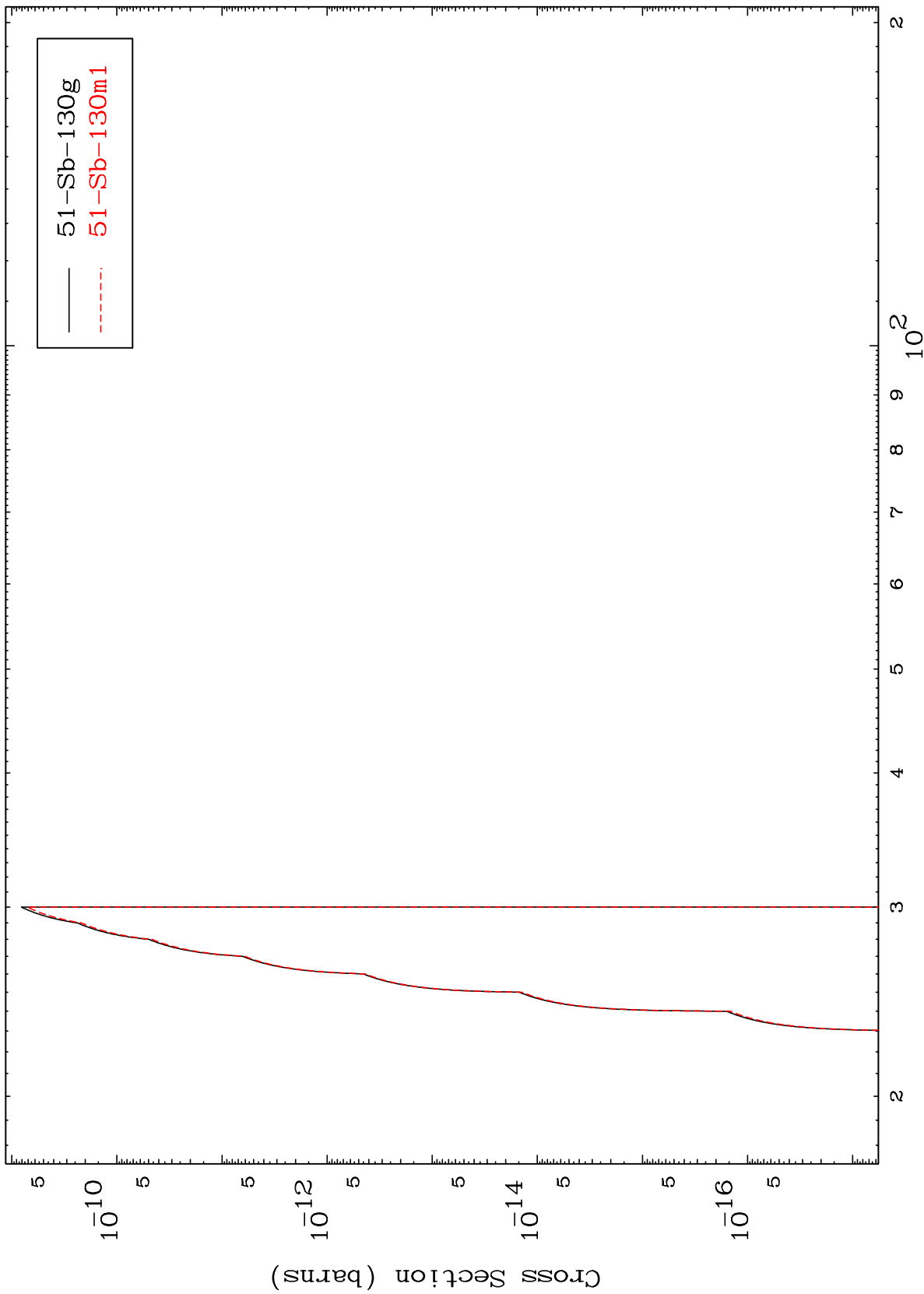


51-Sb-132g
51-Sb-132m4

Radionuclide Production Cross Section



Radionuclide Production Cross Section



51-Sb-130g
51-Sb-130m1