

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

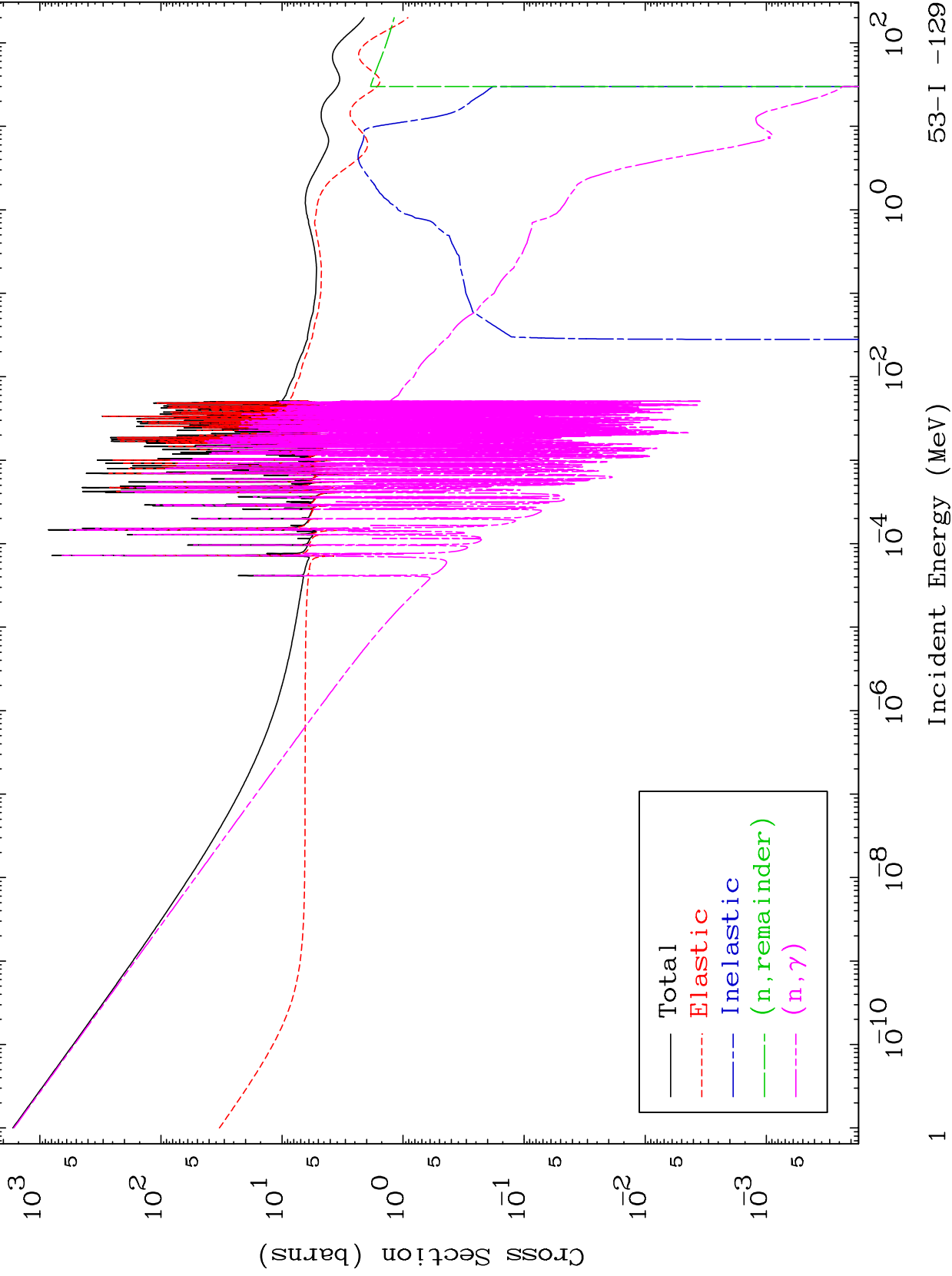
Press Mouse Button to Start

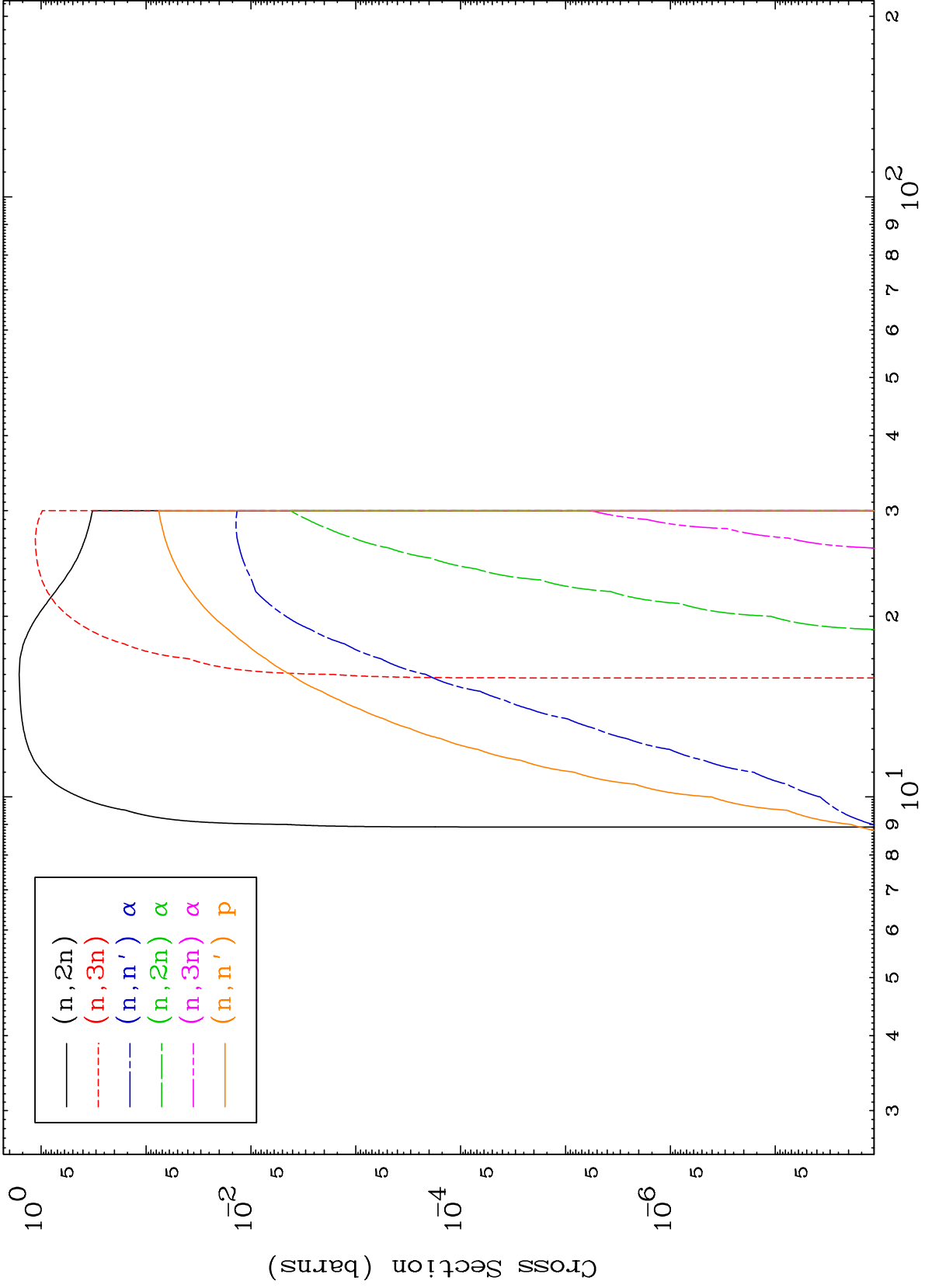
MAT 5331

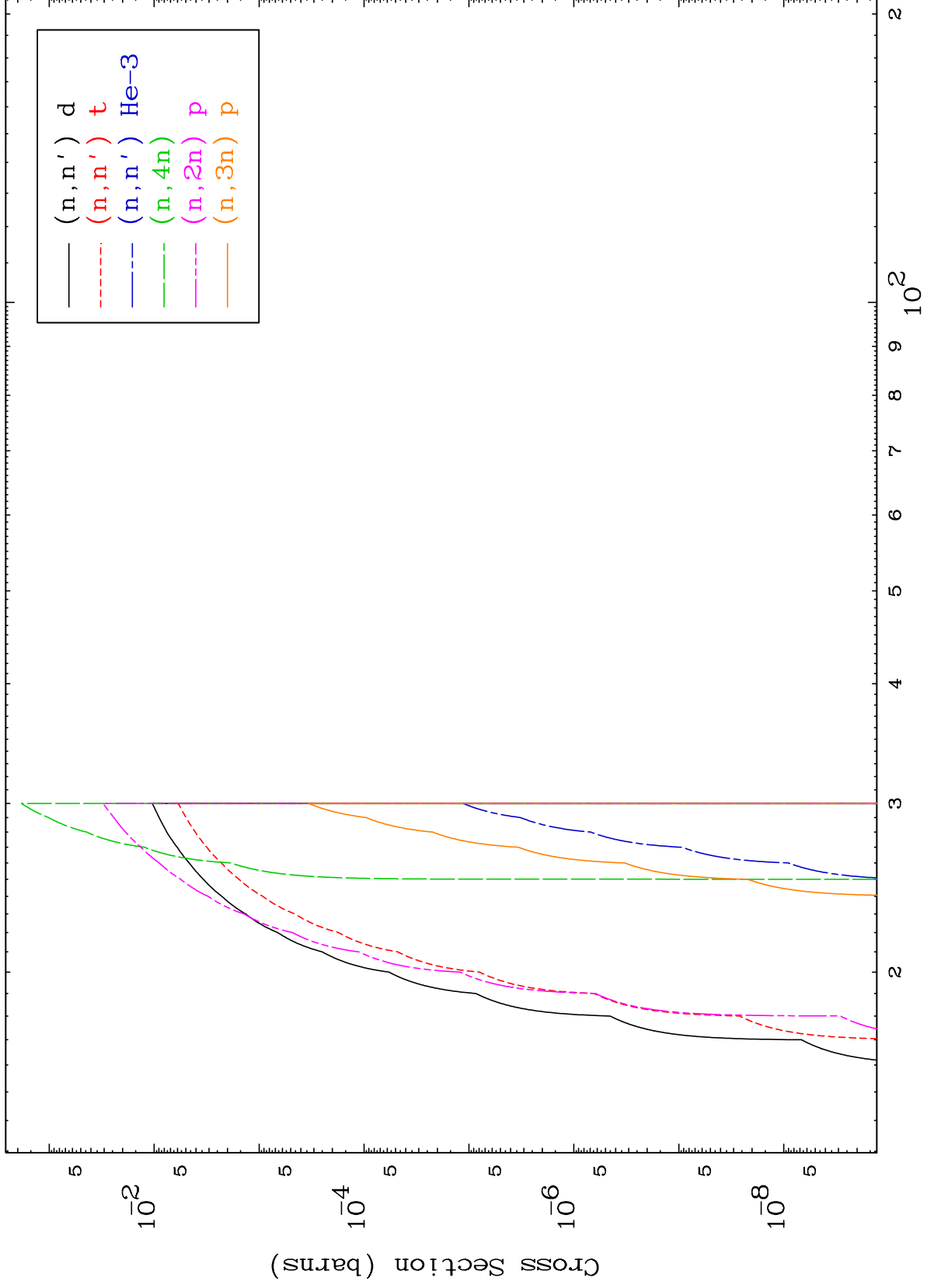
Major

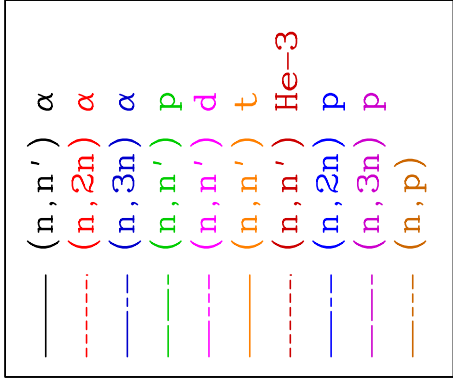
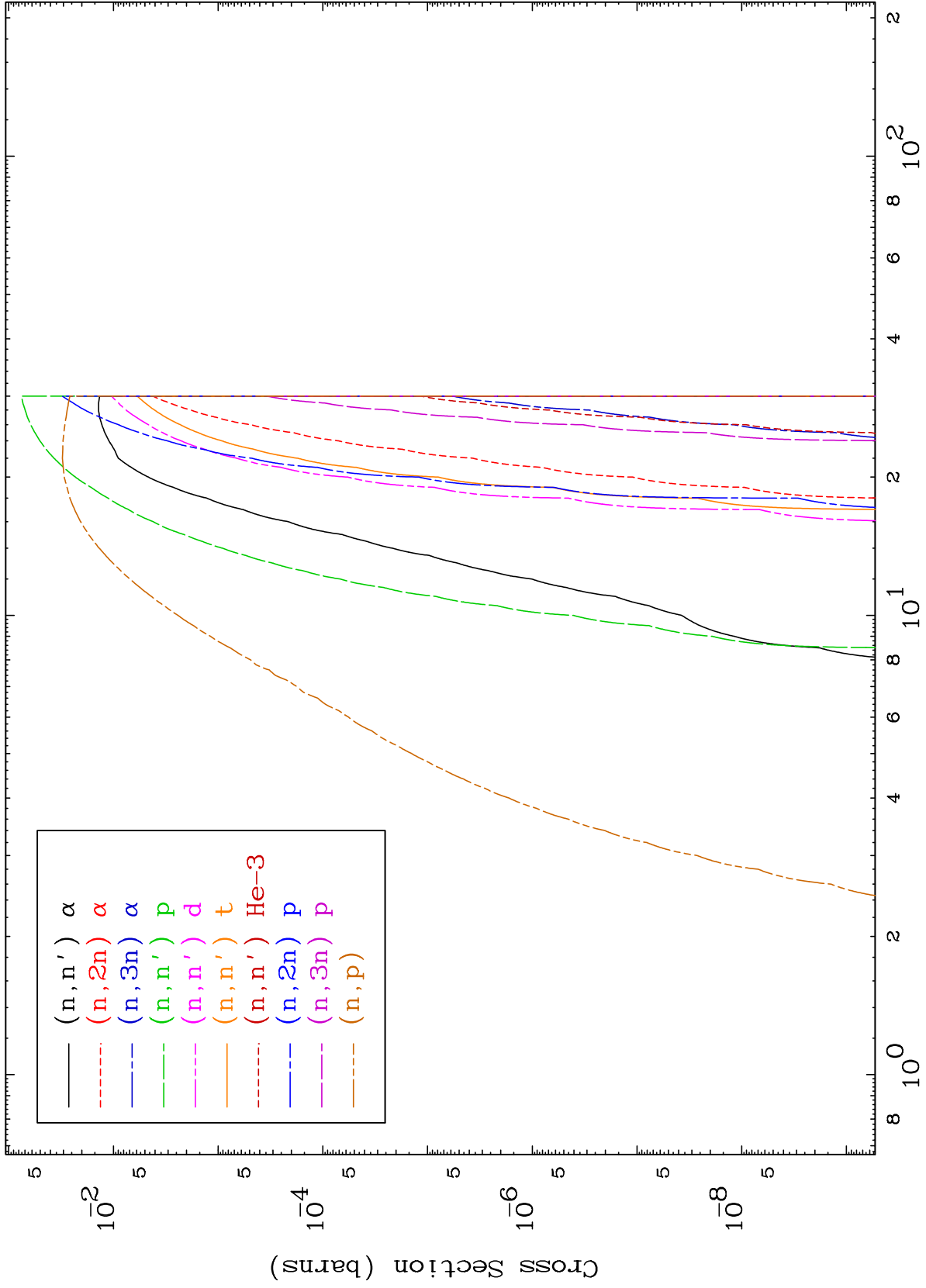
293 Kelvin Cross Sections

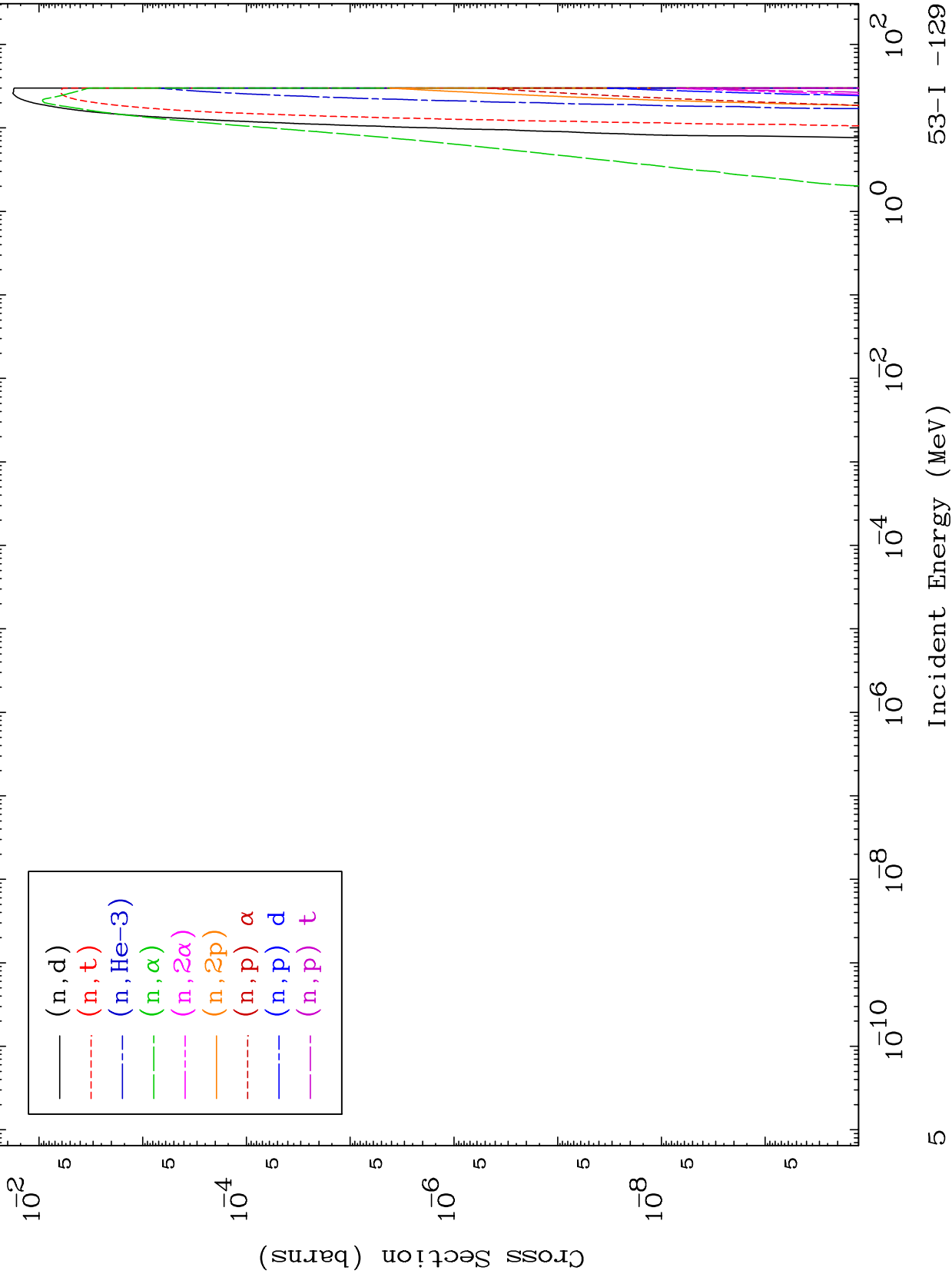
53-I -129

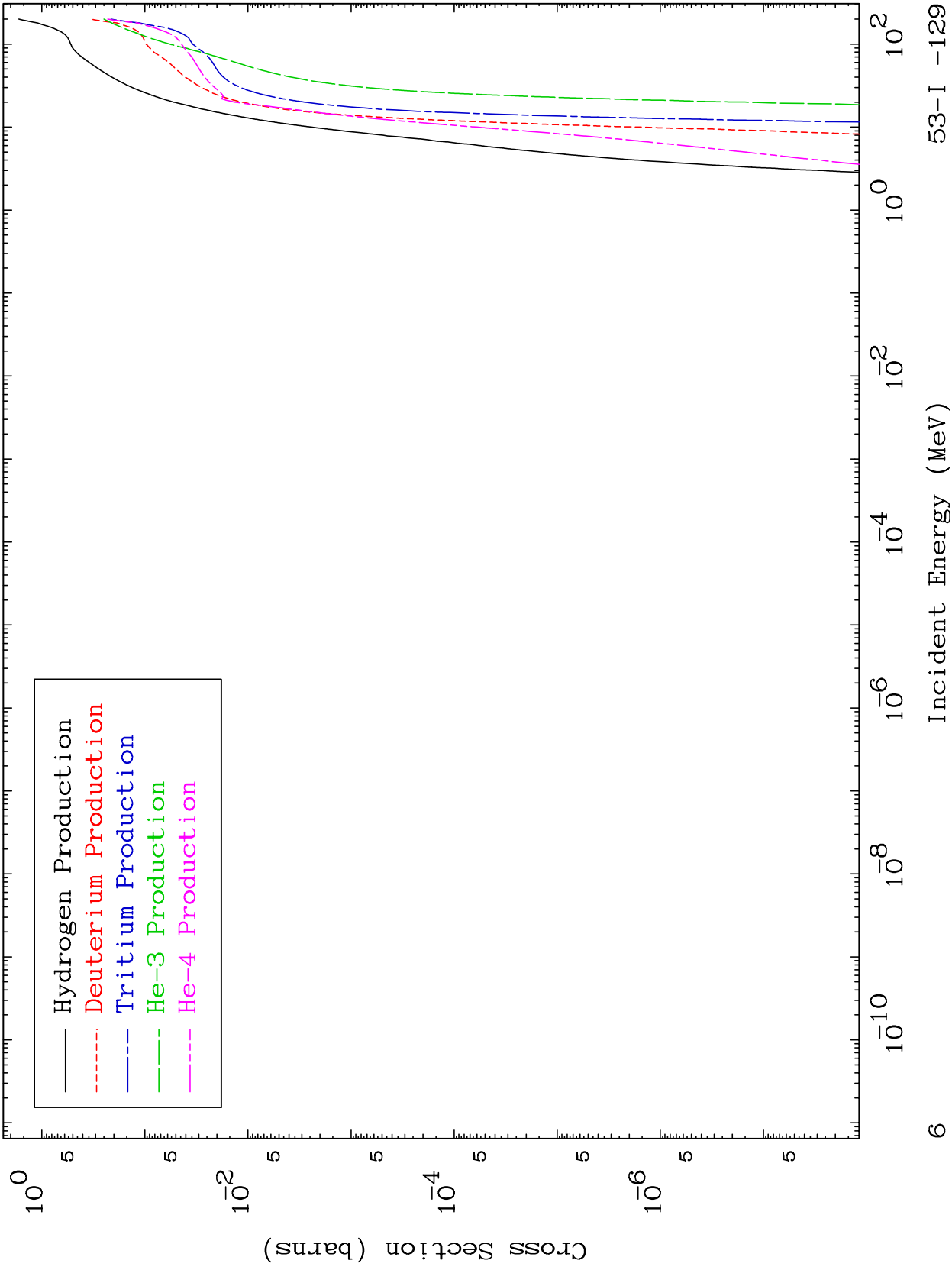


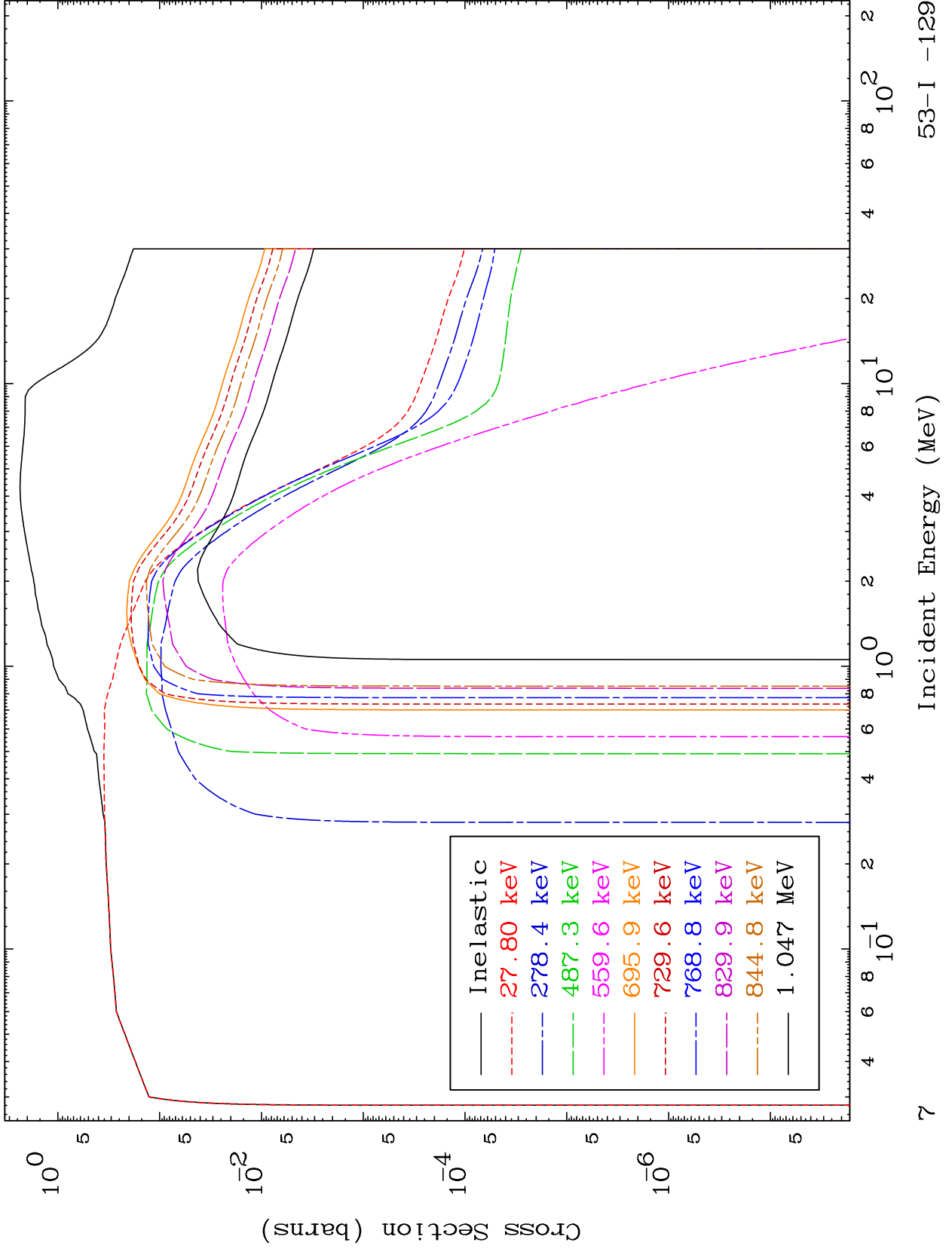








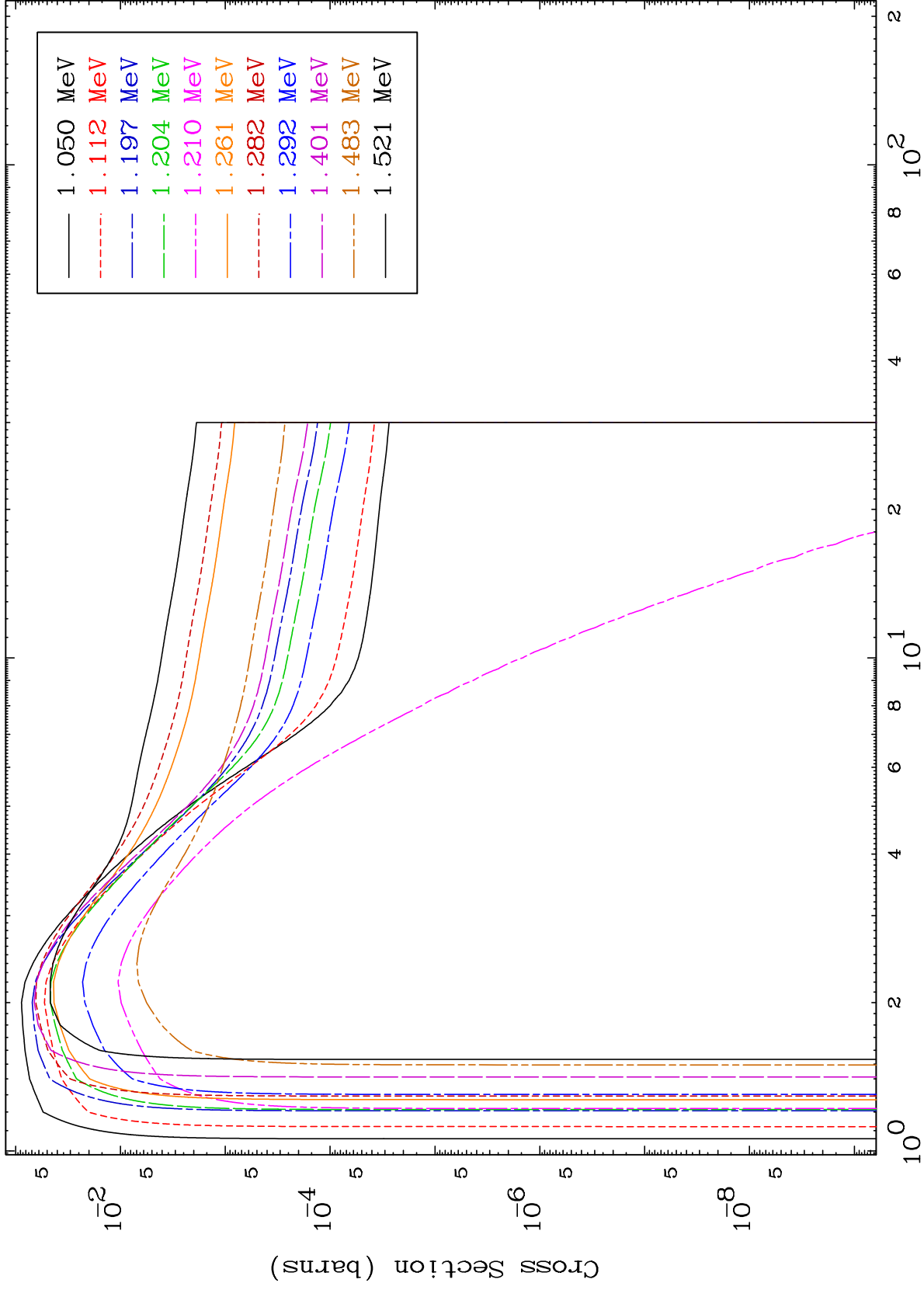




MAT 5331

(n,n') Level
293 Kelvin Cross Sections

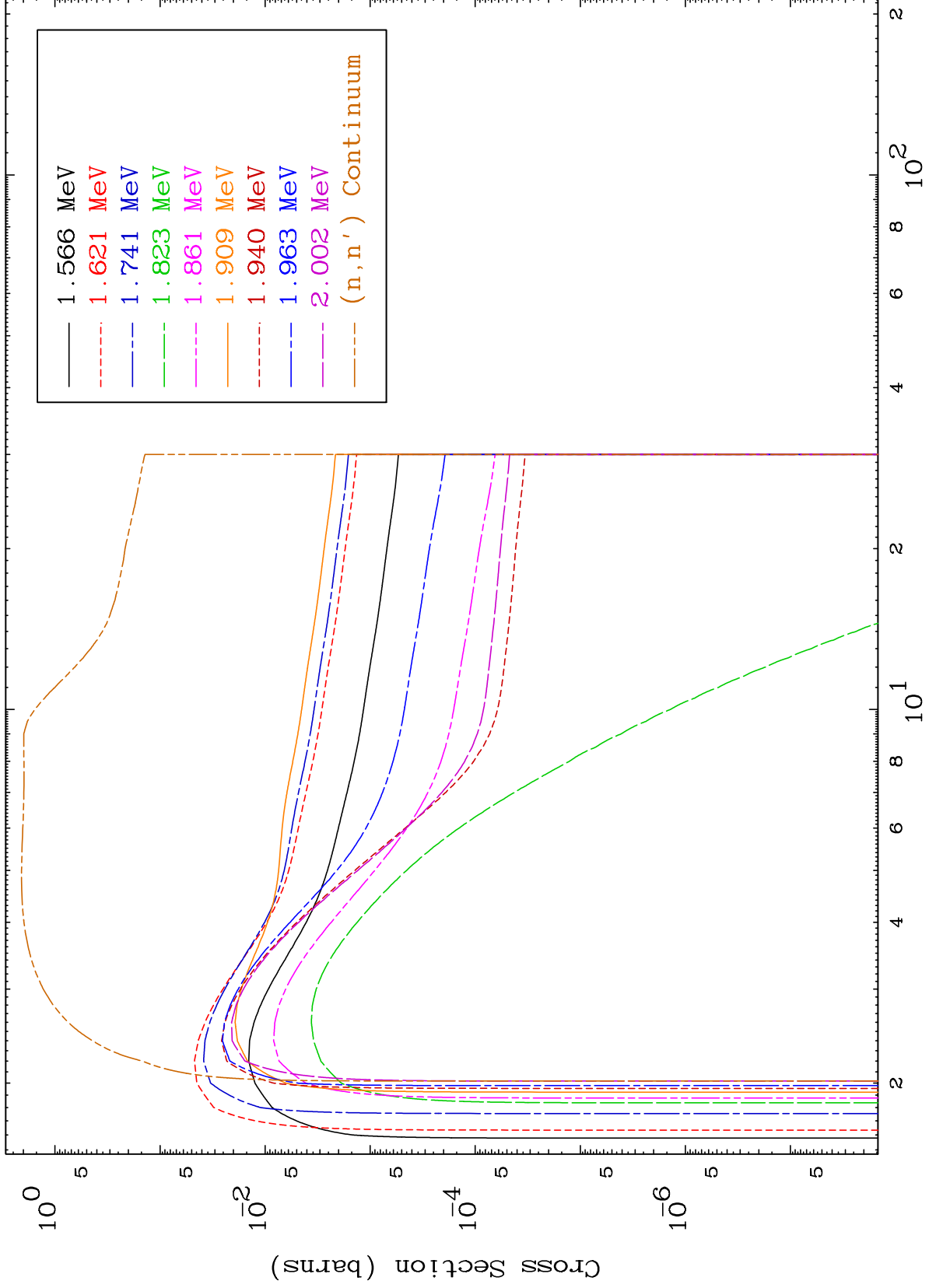
53-I -129



Incident Energy (MeV)

53-I -129

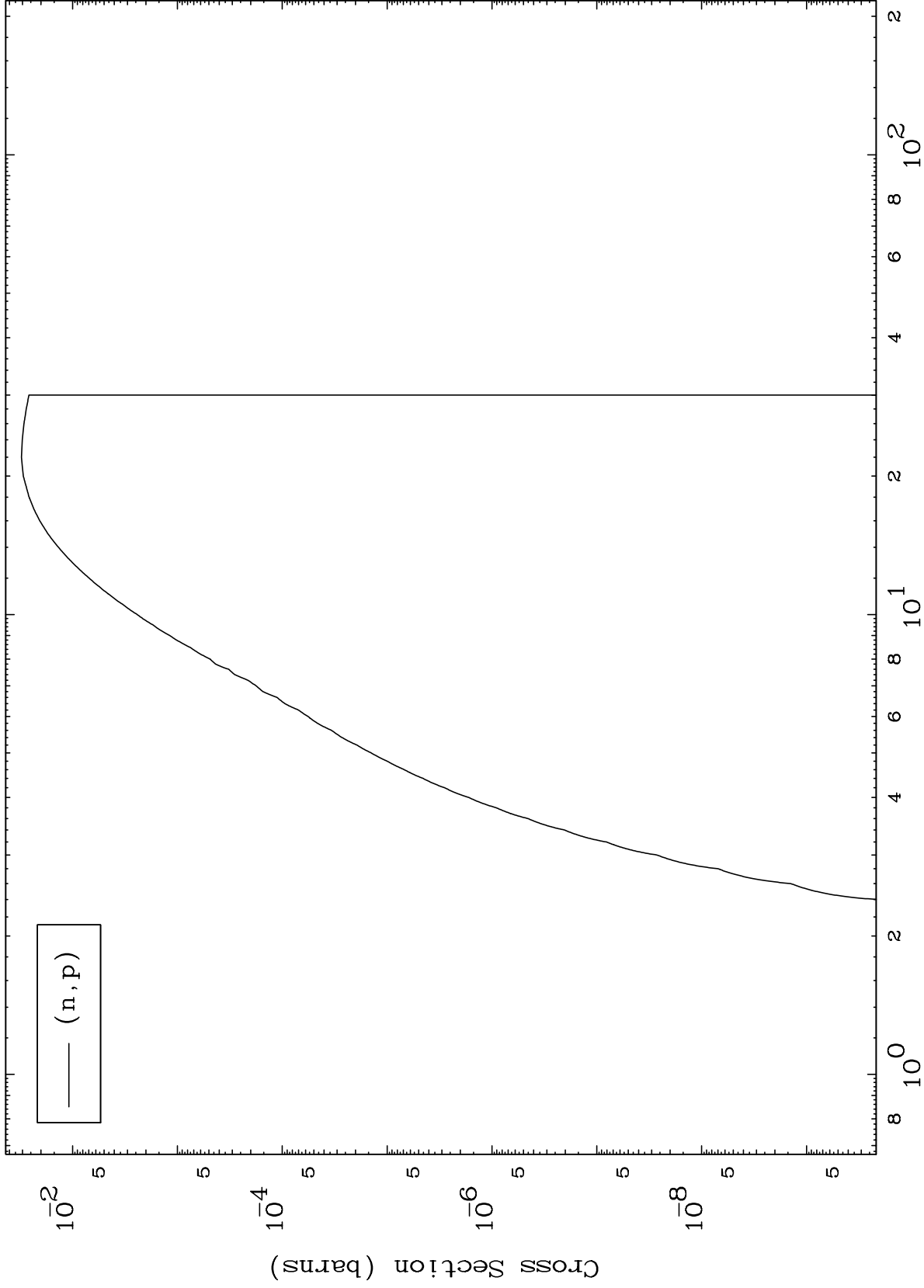
293 Kelvin Cross Sections



MAT 5331

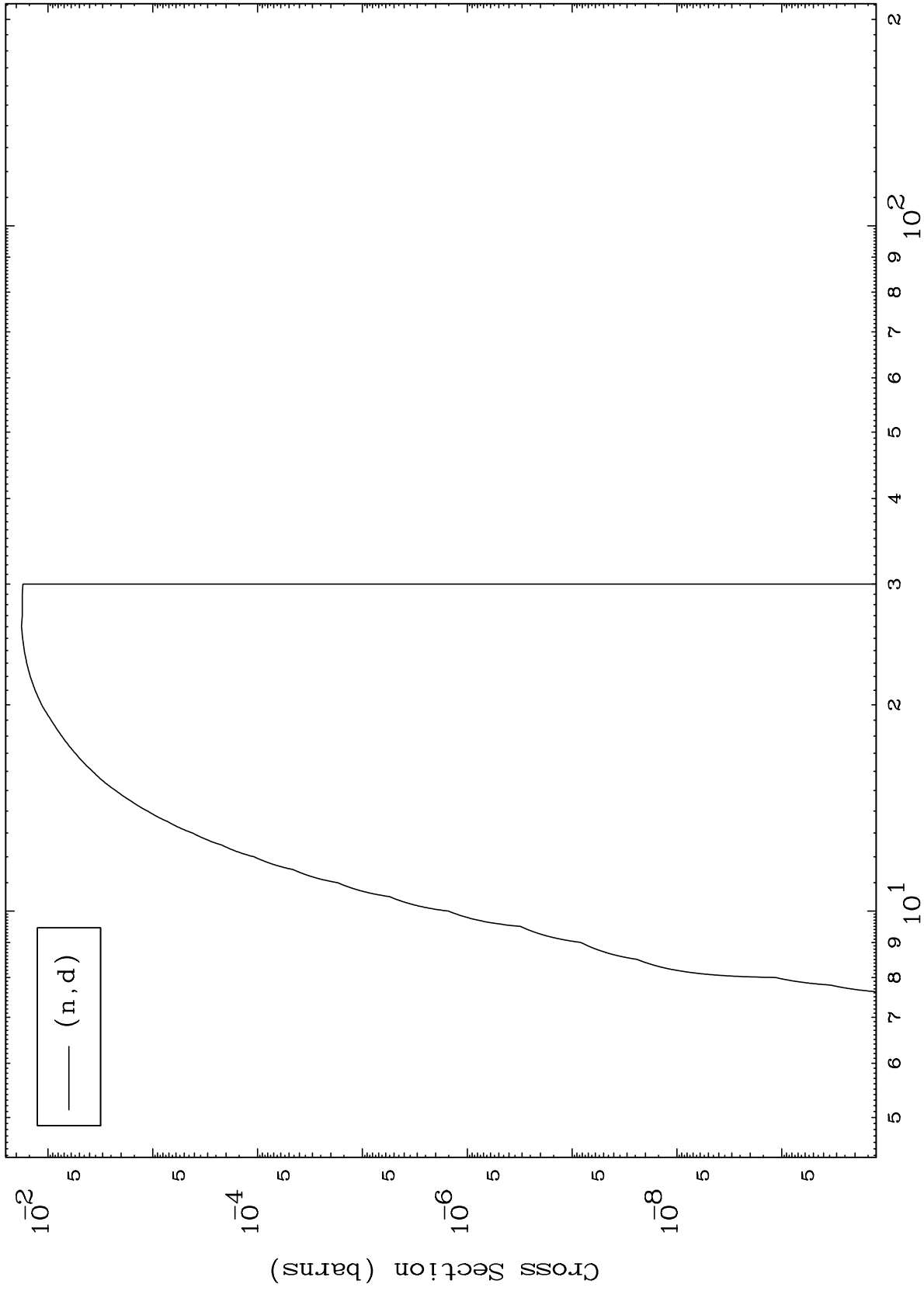
(n,p) Levels
293 Kelvin Cross Sections

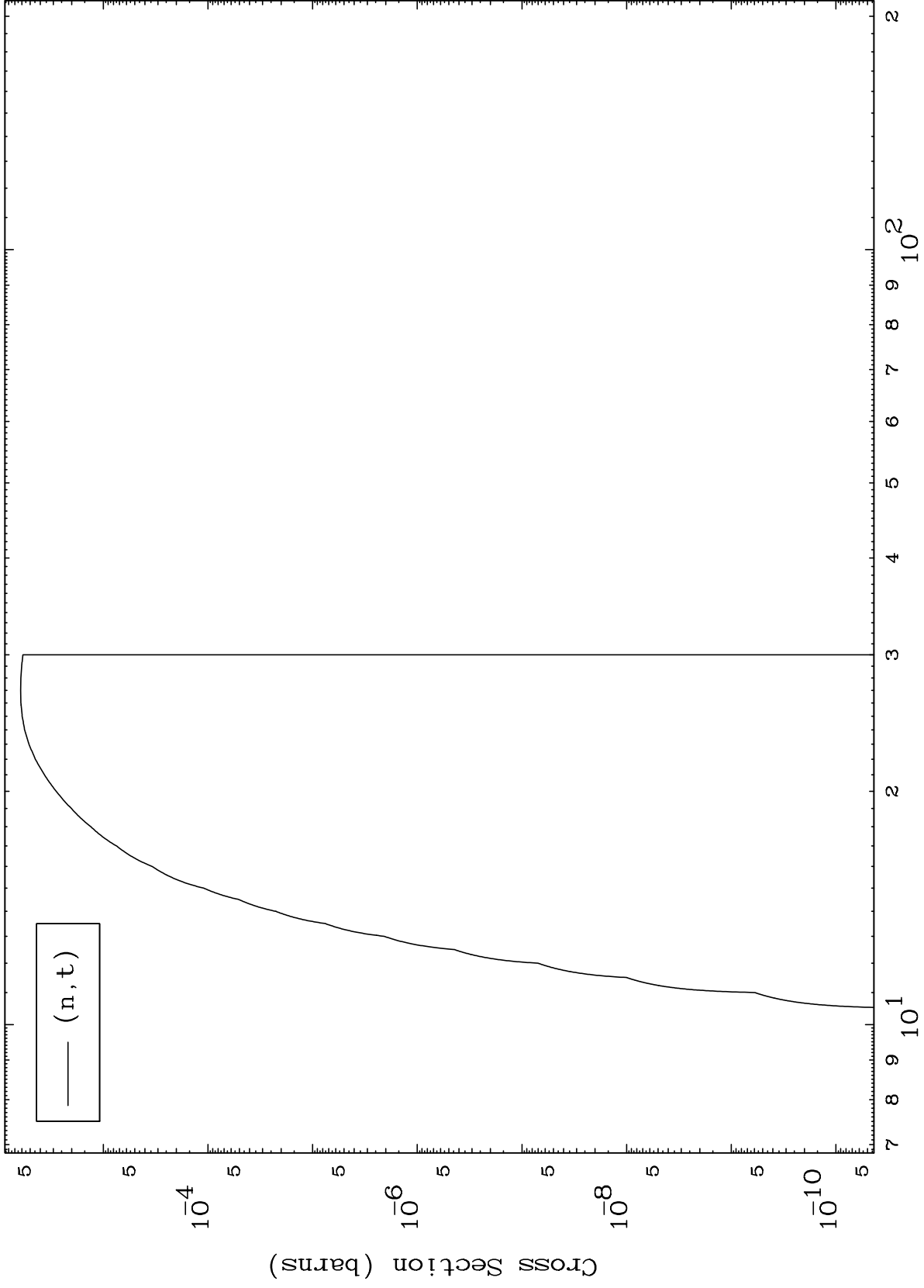
53-I -129



Incident Energy (MeV)

53-I -129

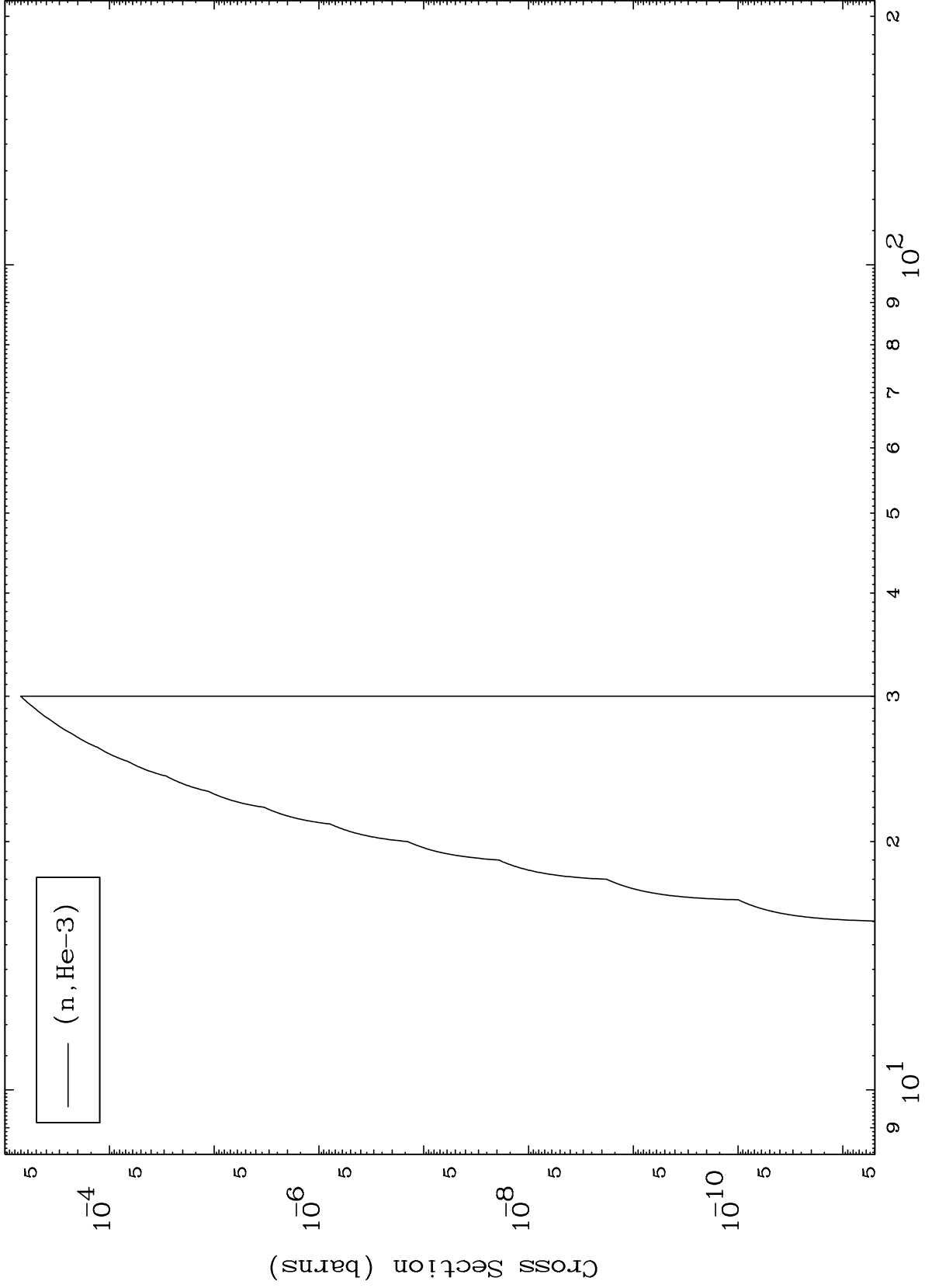




MAT 5331

(n,He3) Levels
293 Kelvin Cross Sections

53-I -129



13

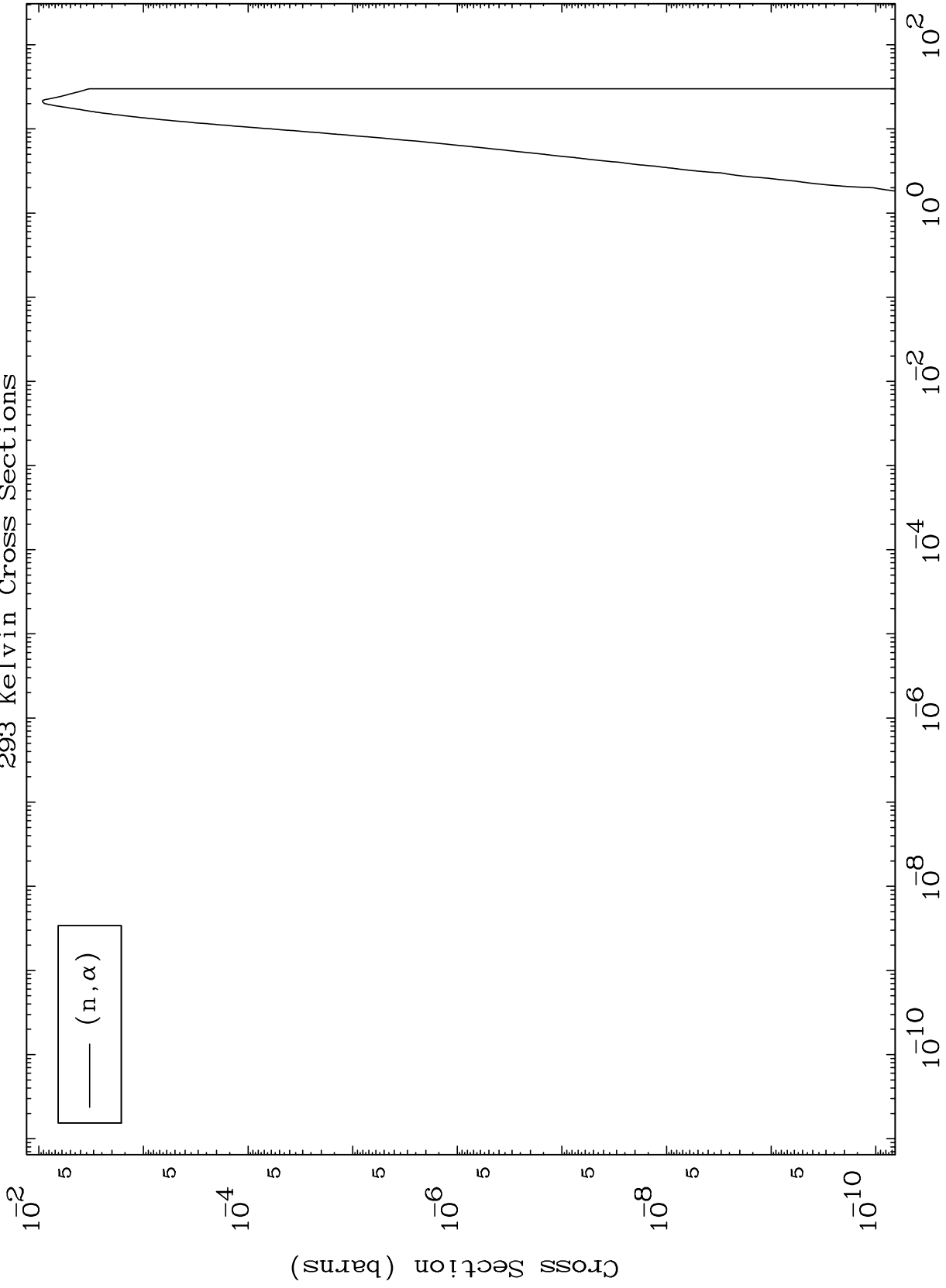
Incident Energy (MeV)

53-I -129

MAT 5331

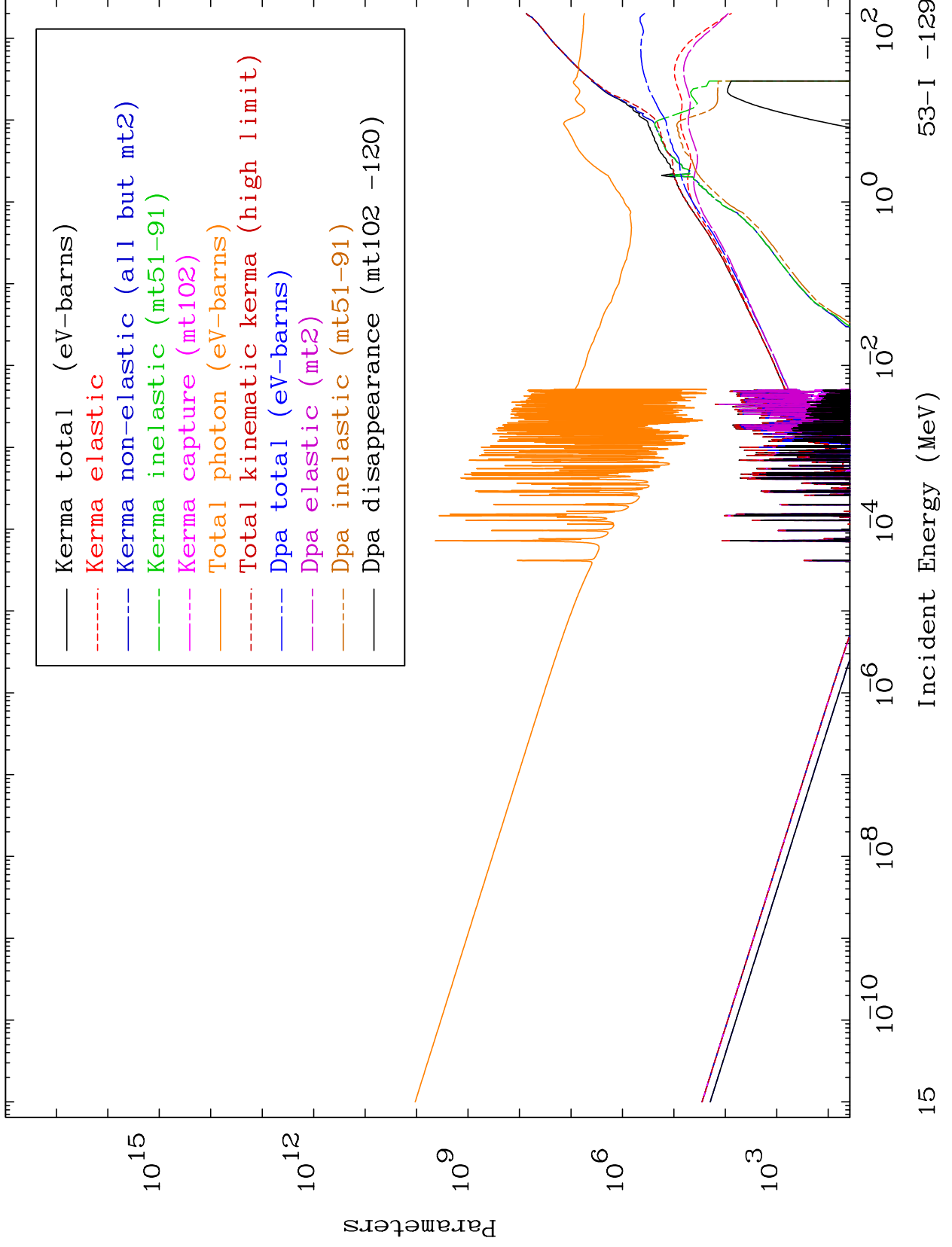
(n, α) Levels
293 Kelvin Cross Sections

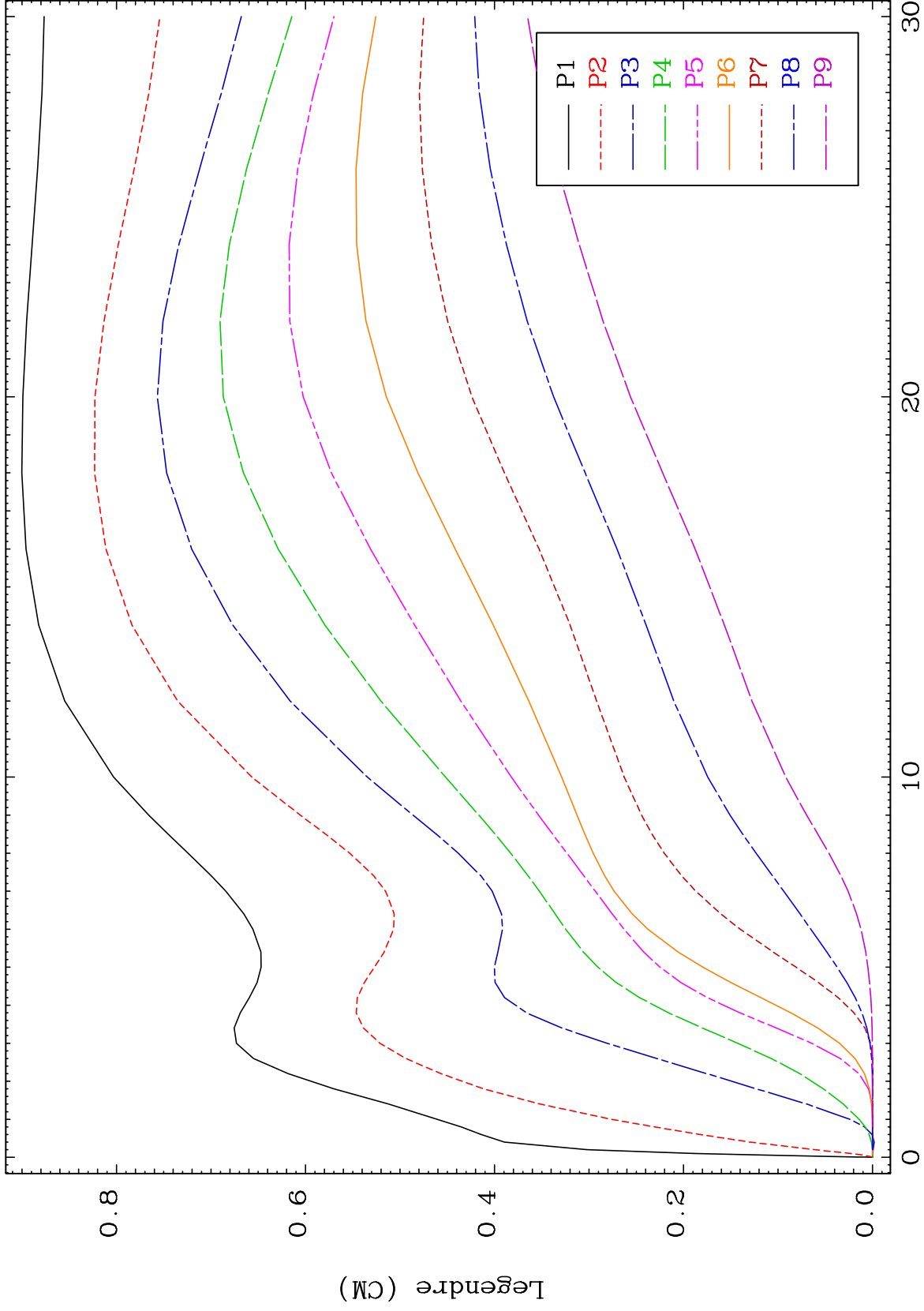
53-I -129



53-I -129

Incident Energy (MeV)

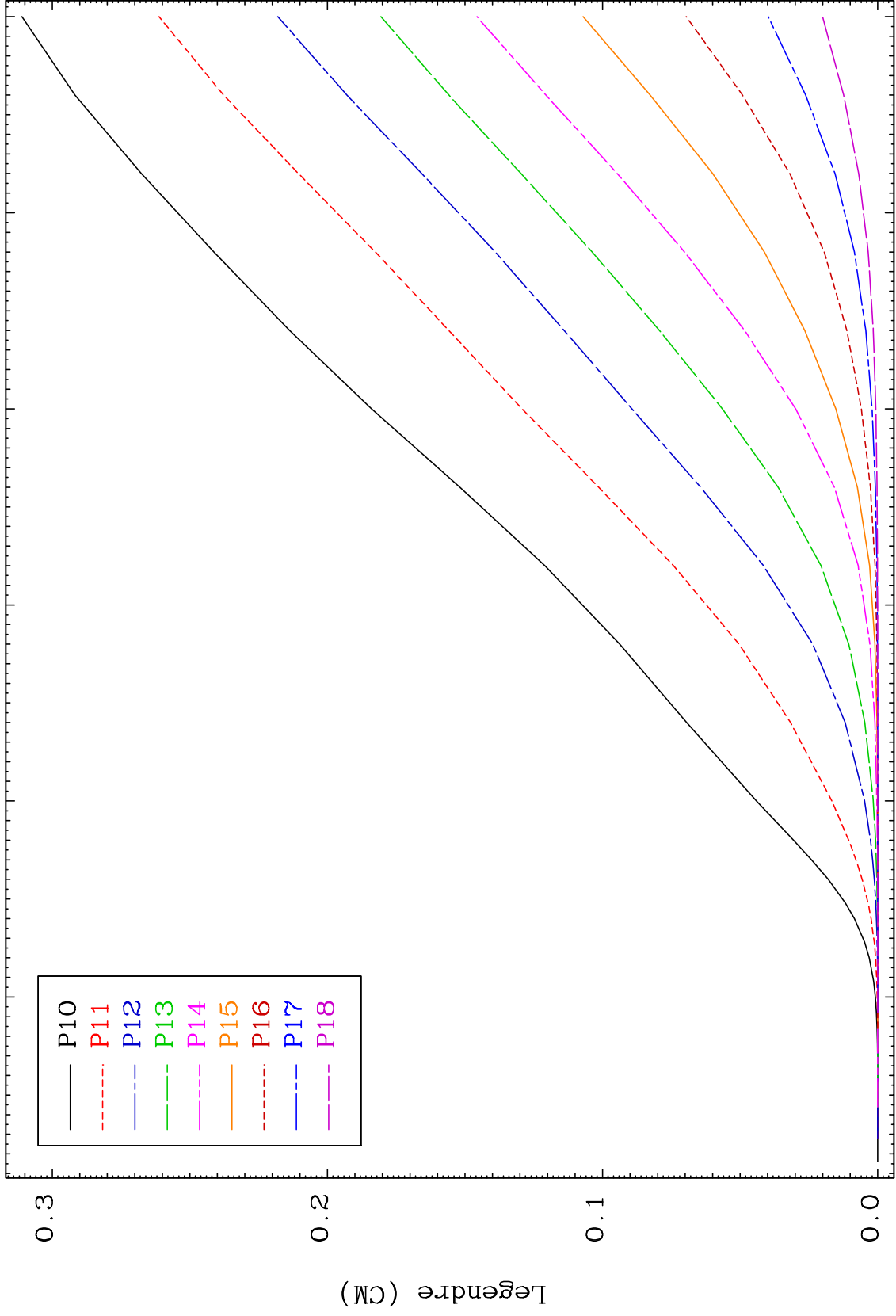




MAT 5331

Elastic Legendre Coefficients

53-I -129



17

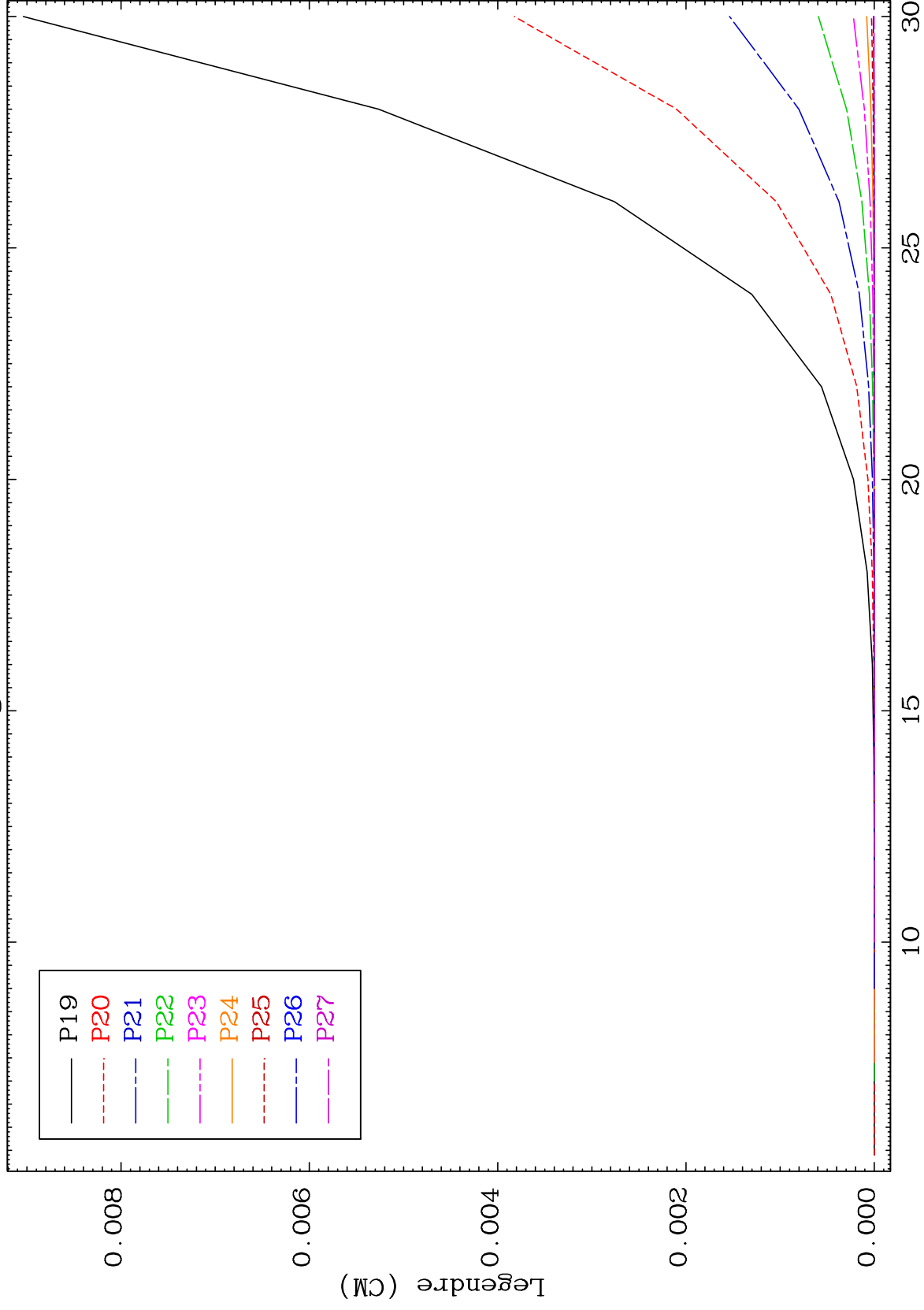
Incident Energy (MeV)

53-I -129

MAT 5331

Elastic Legendre Coefficients

53-I -129



18

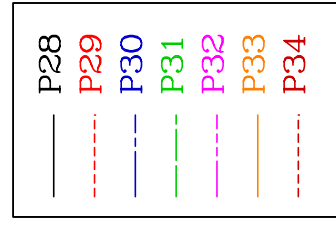
Incident Energy (MeV)

53-I -129

MAT 5331

Elastic
Legendre Coefficients

53-I -129



$\times 10^{-7}$

6

Legendre (CM)

4

2

0

15

20

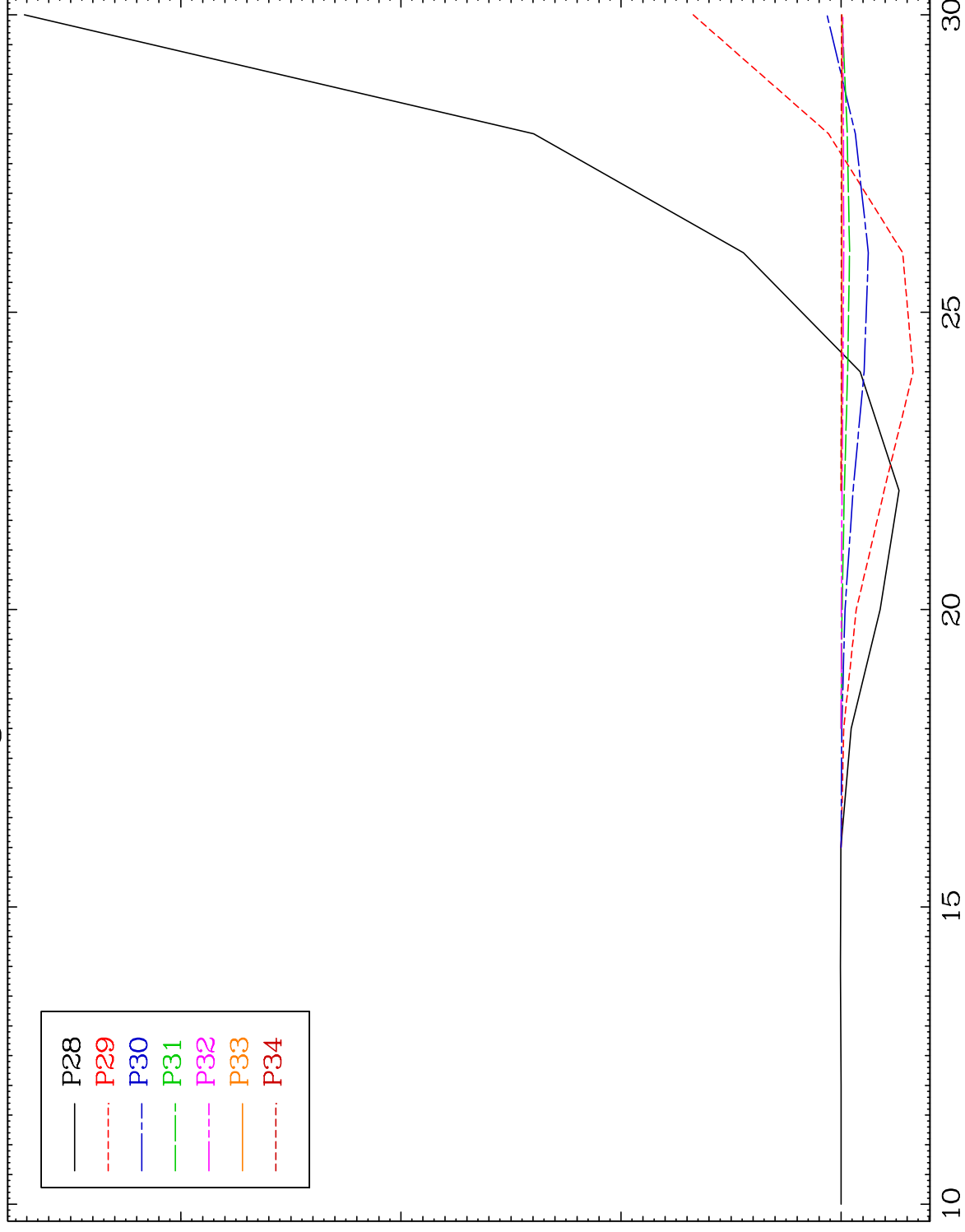
25

30

19

Incident Energy (MeV)

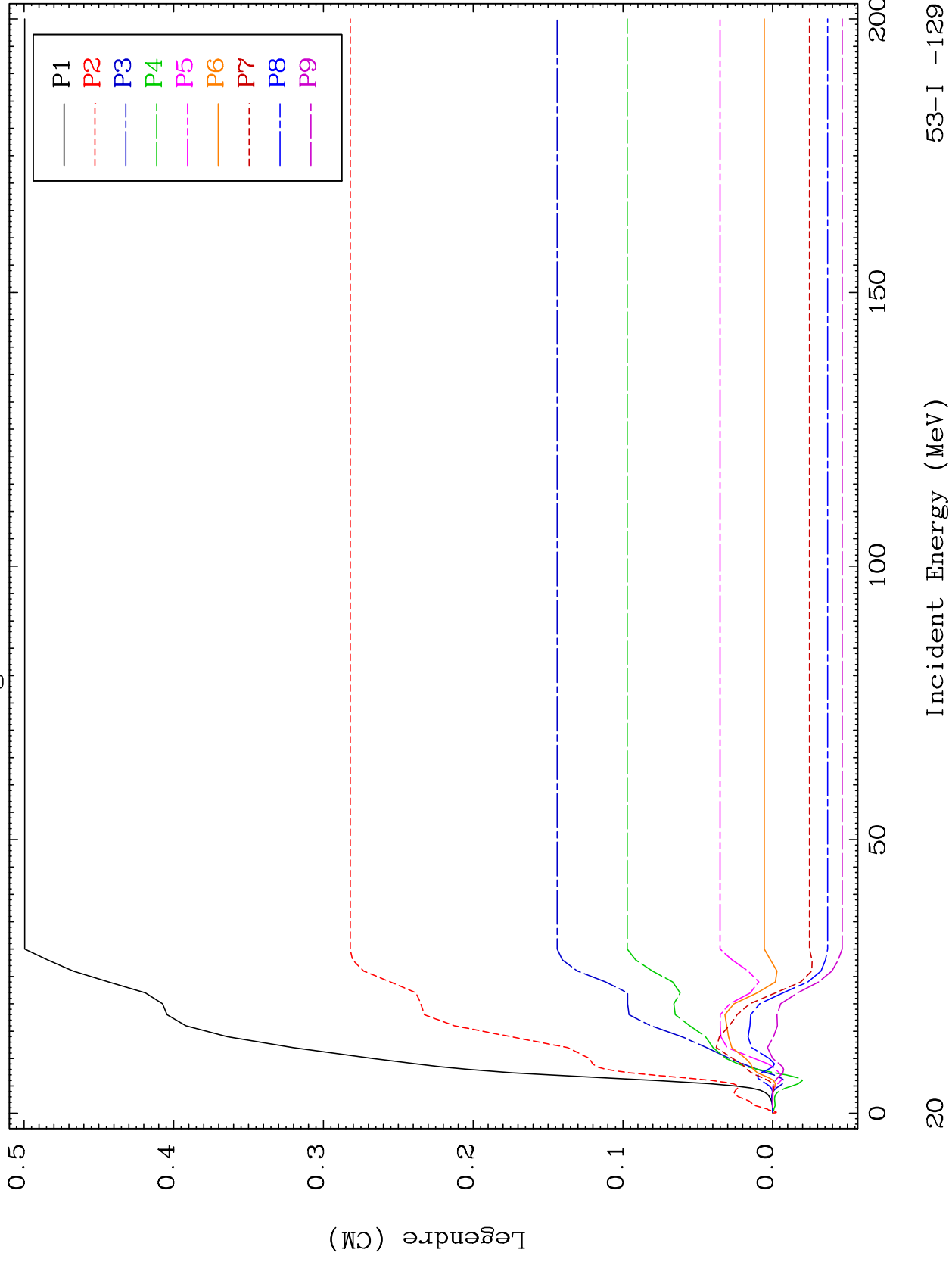
53-I -129

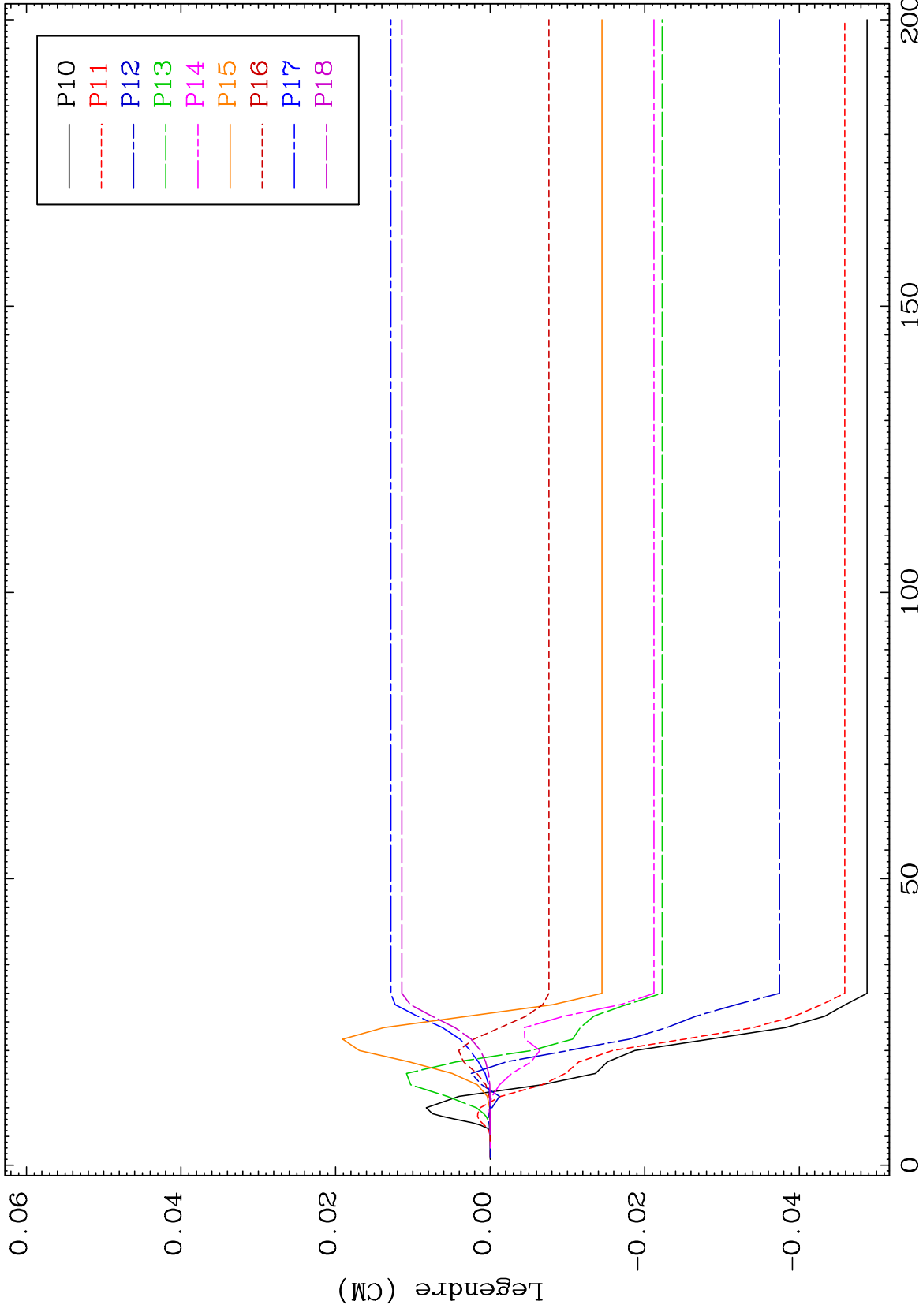


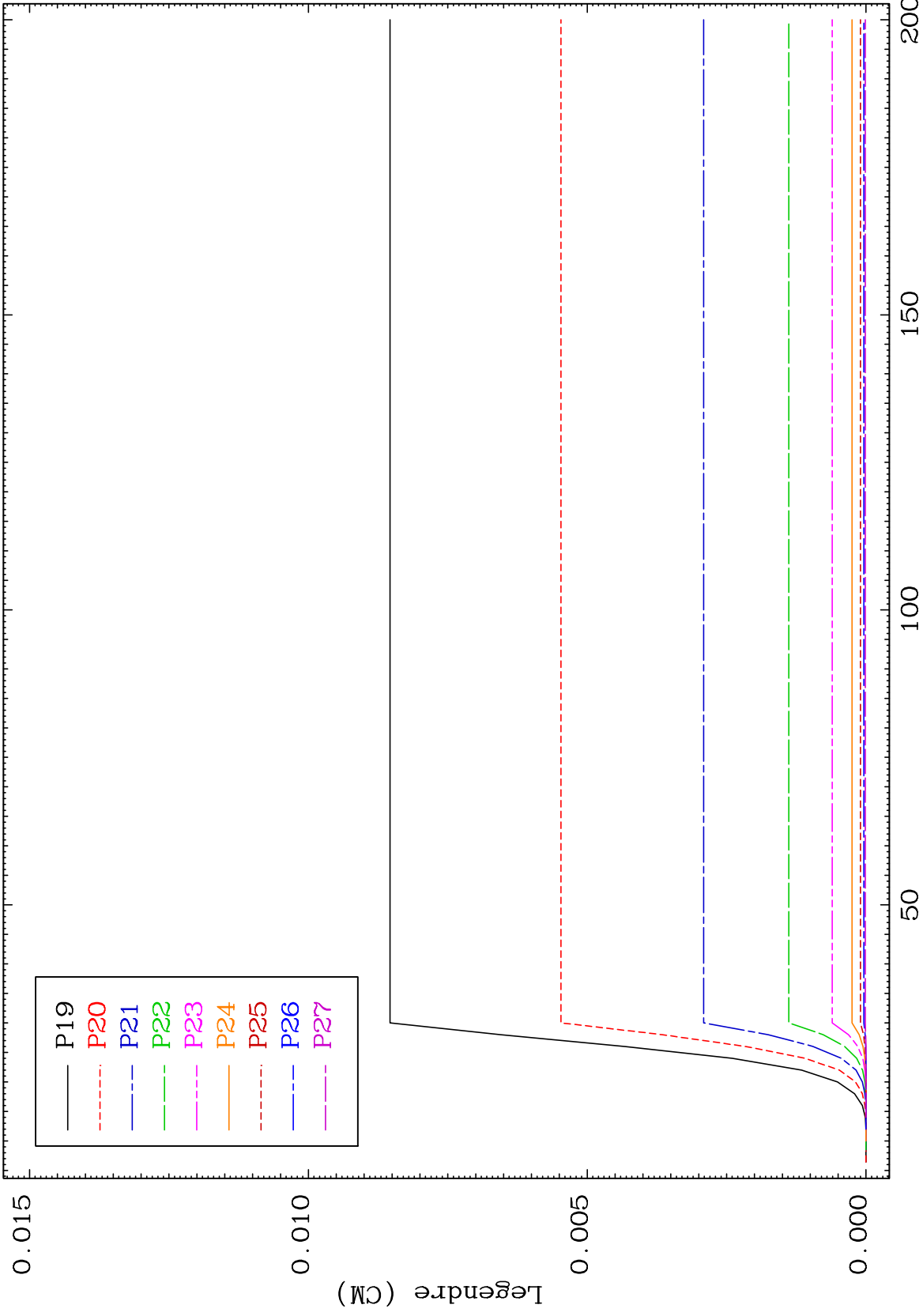
MAT 5331

27.80 keV (n,n') Level
Legendre Coefficients

53-I -129



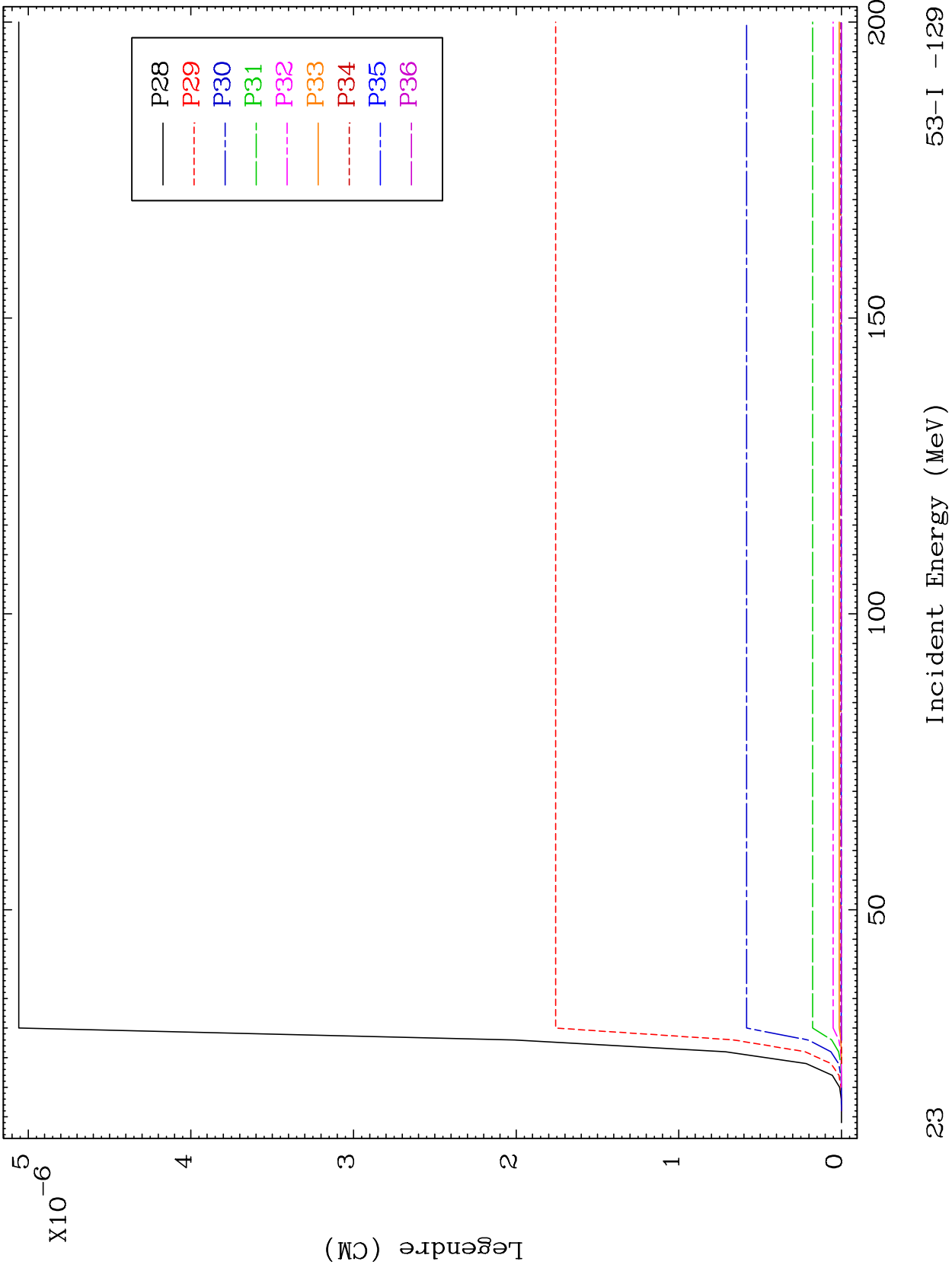




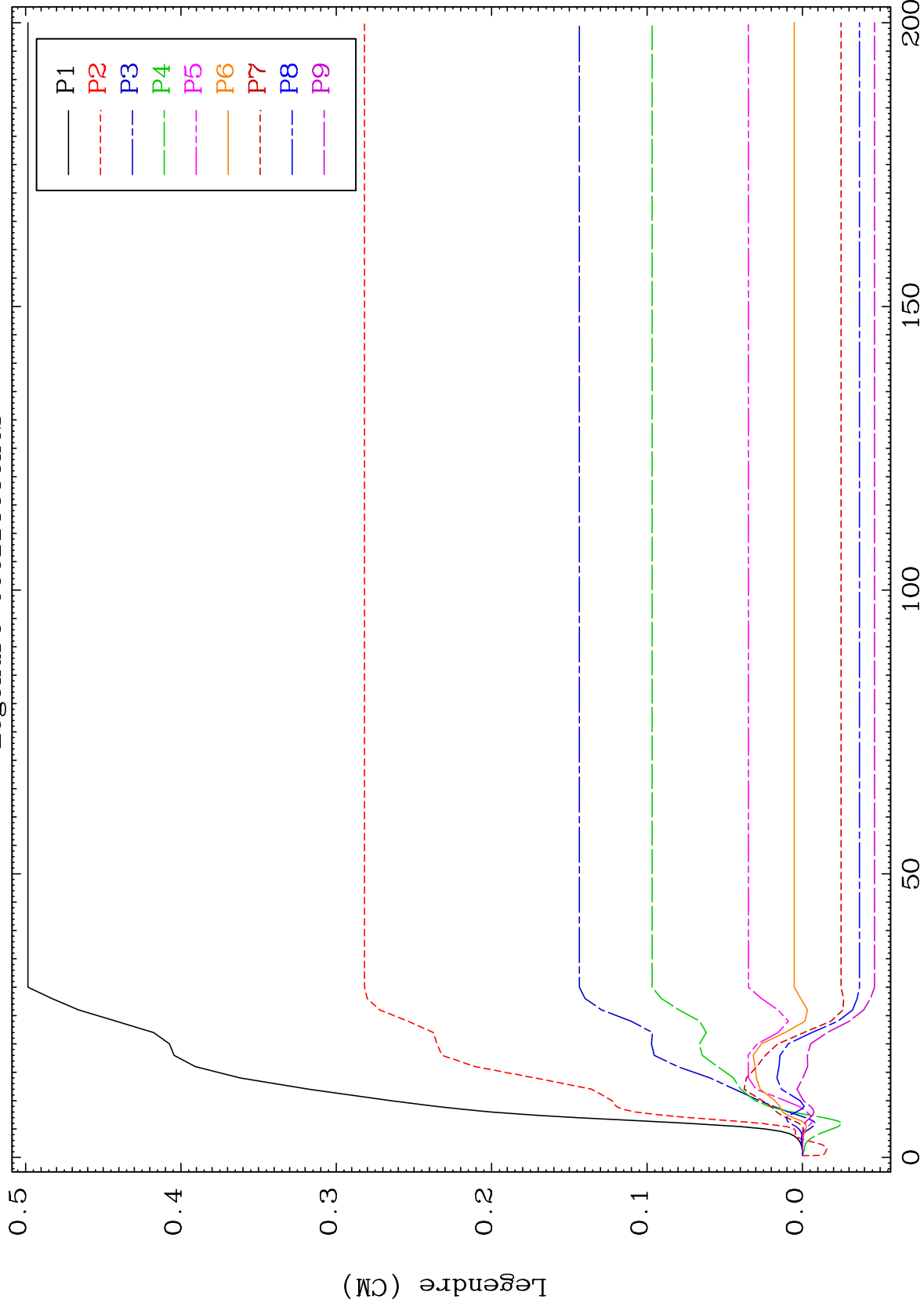
MAT 5331

27.80 keV (n,n') Level
Legendre Coefficients

53-I -129



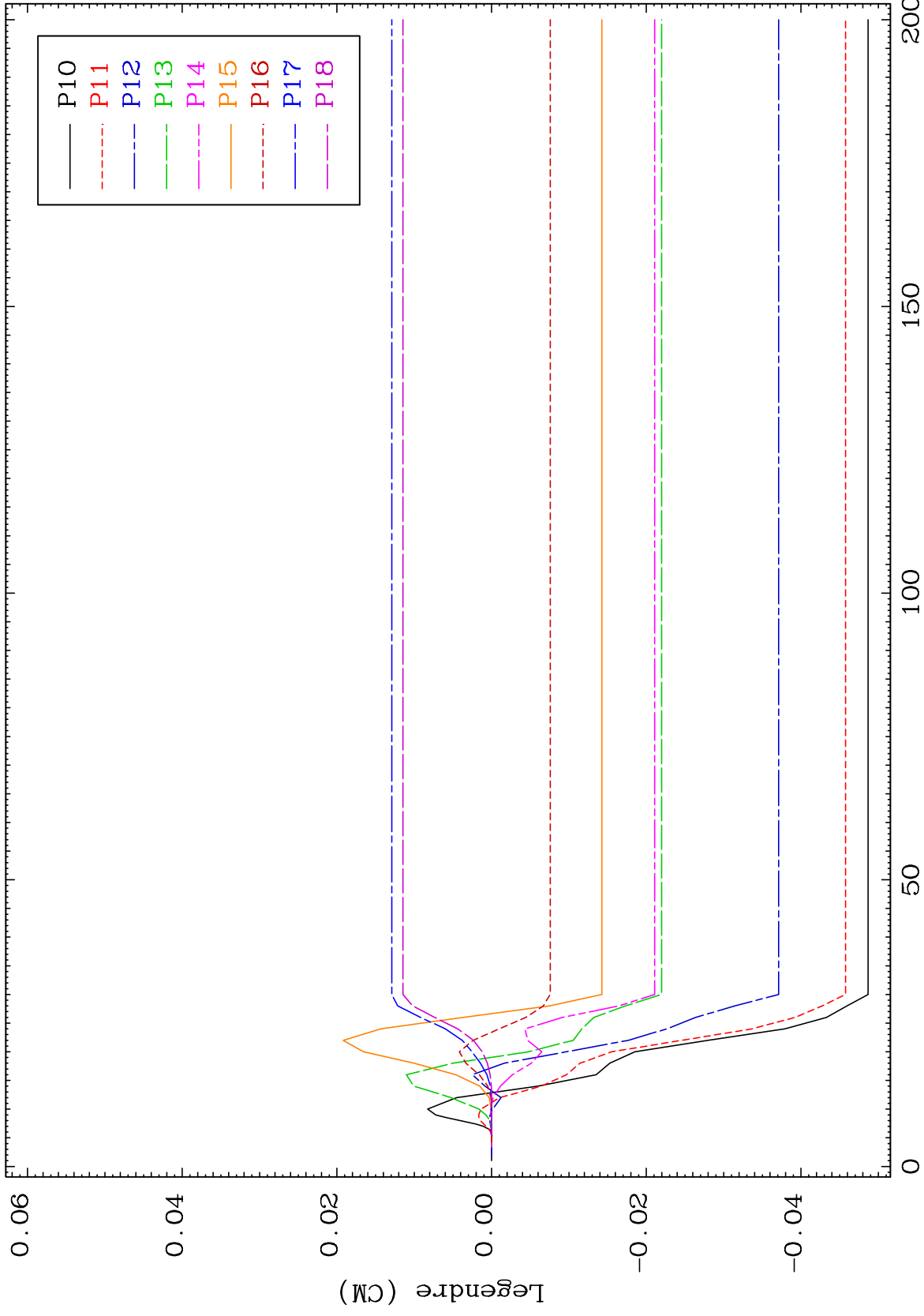
23



MAT 5331

278.4 keV (n,n') Level
Legendre Coefficients

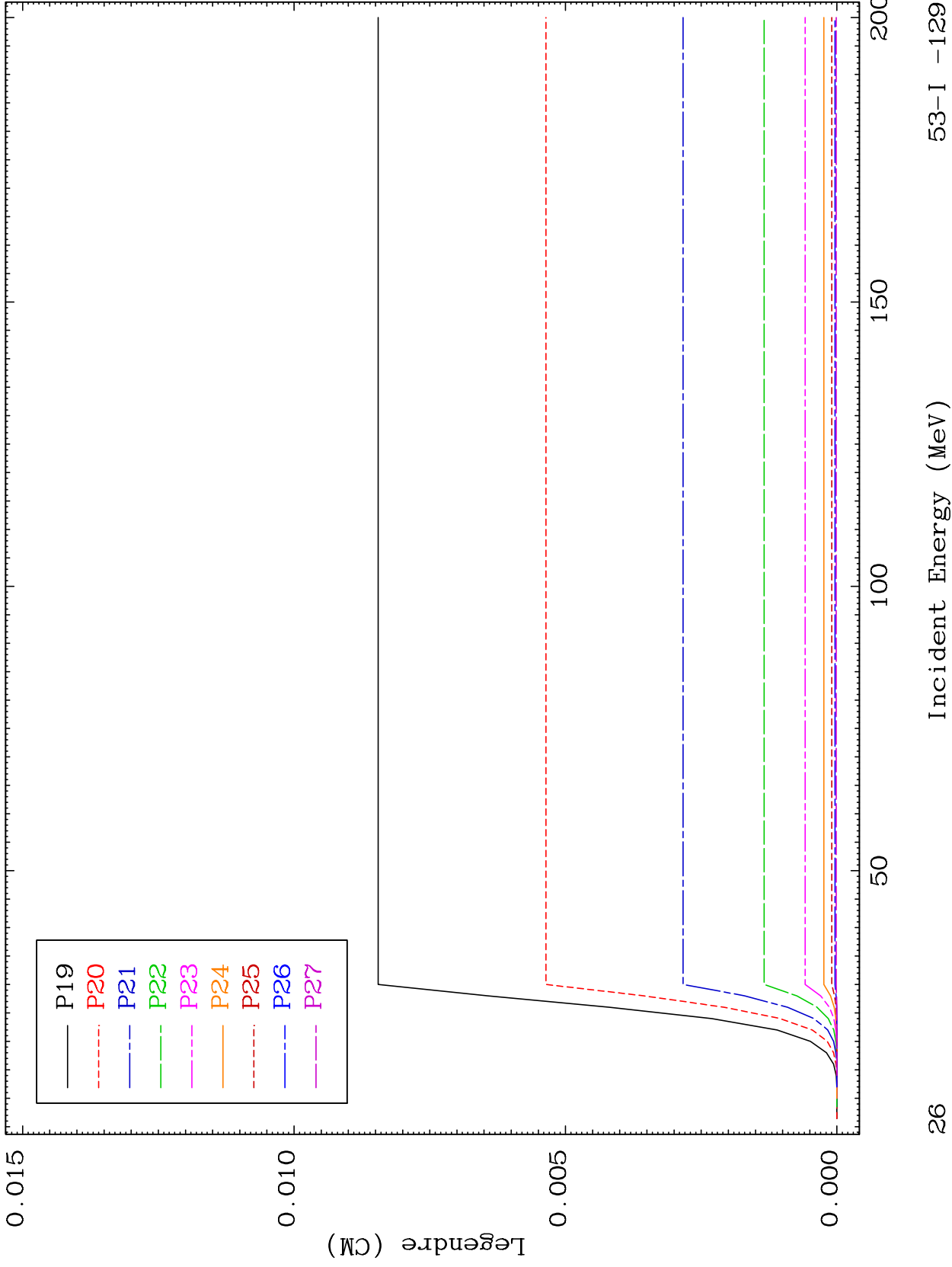
53-I -129



25

Incident Energy (MeV)

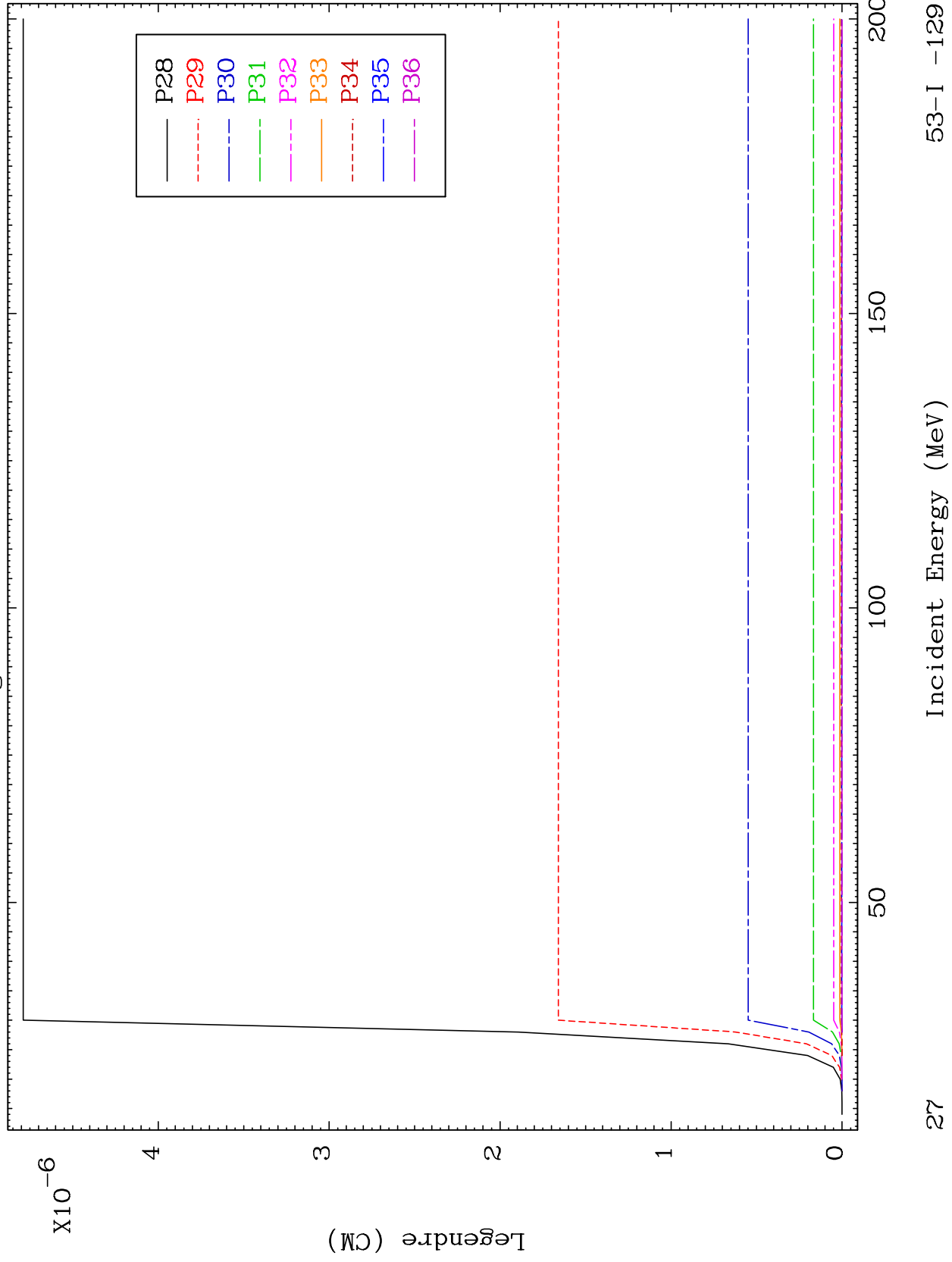
53-I -129



MAT 5331

278.4 keV (n,n') Level
Legendre Coefficients

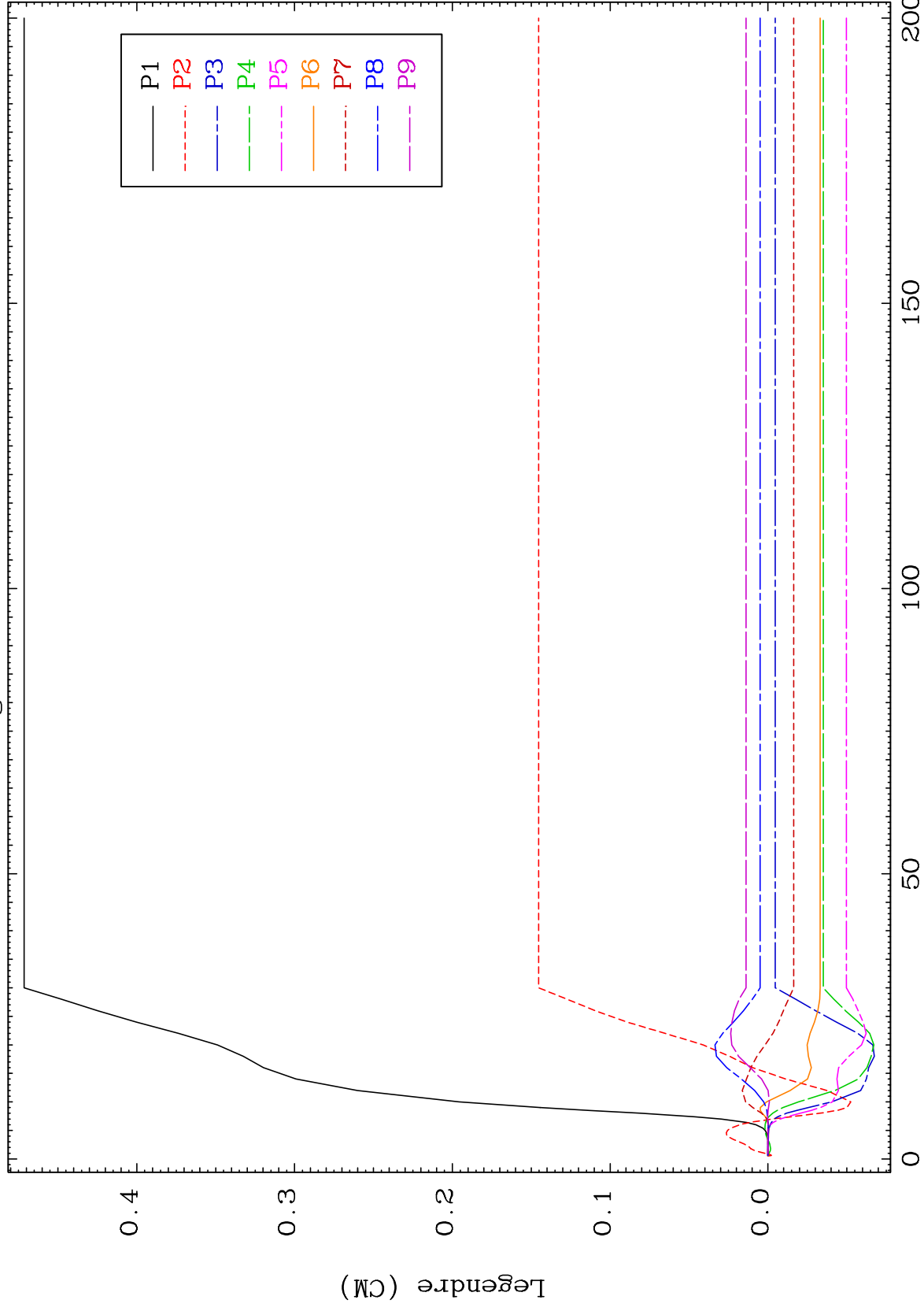
53-I -129

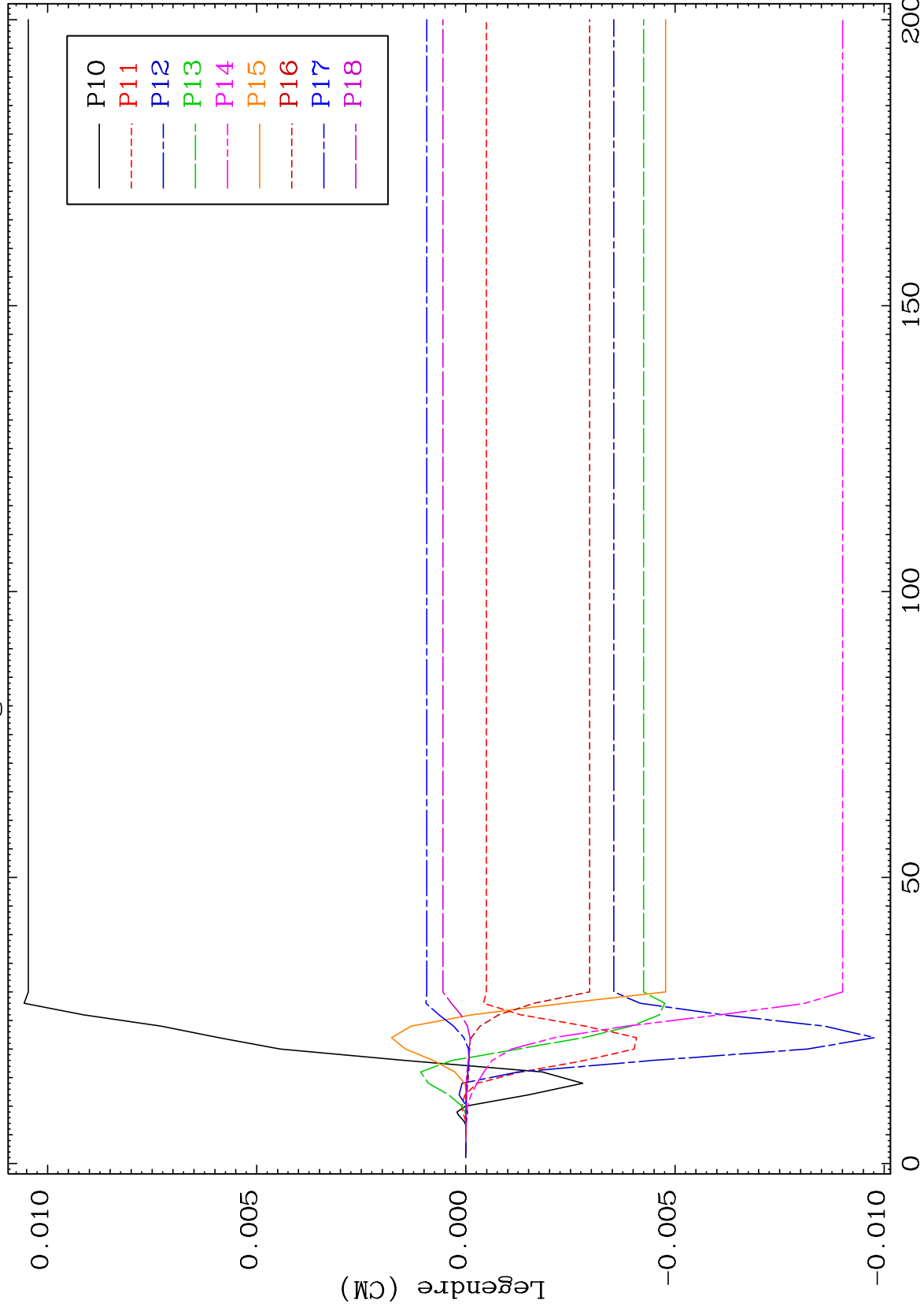


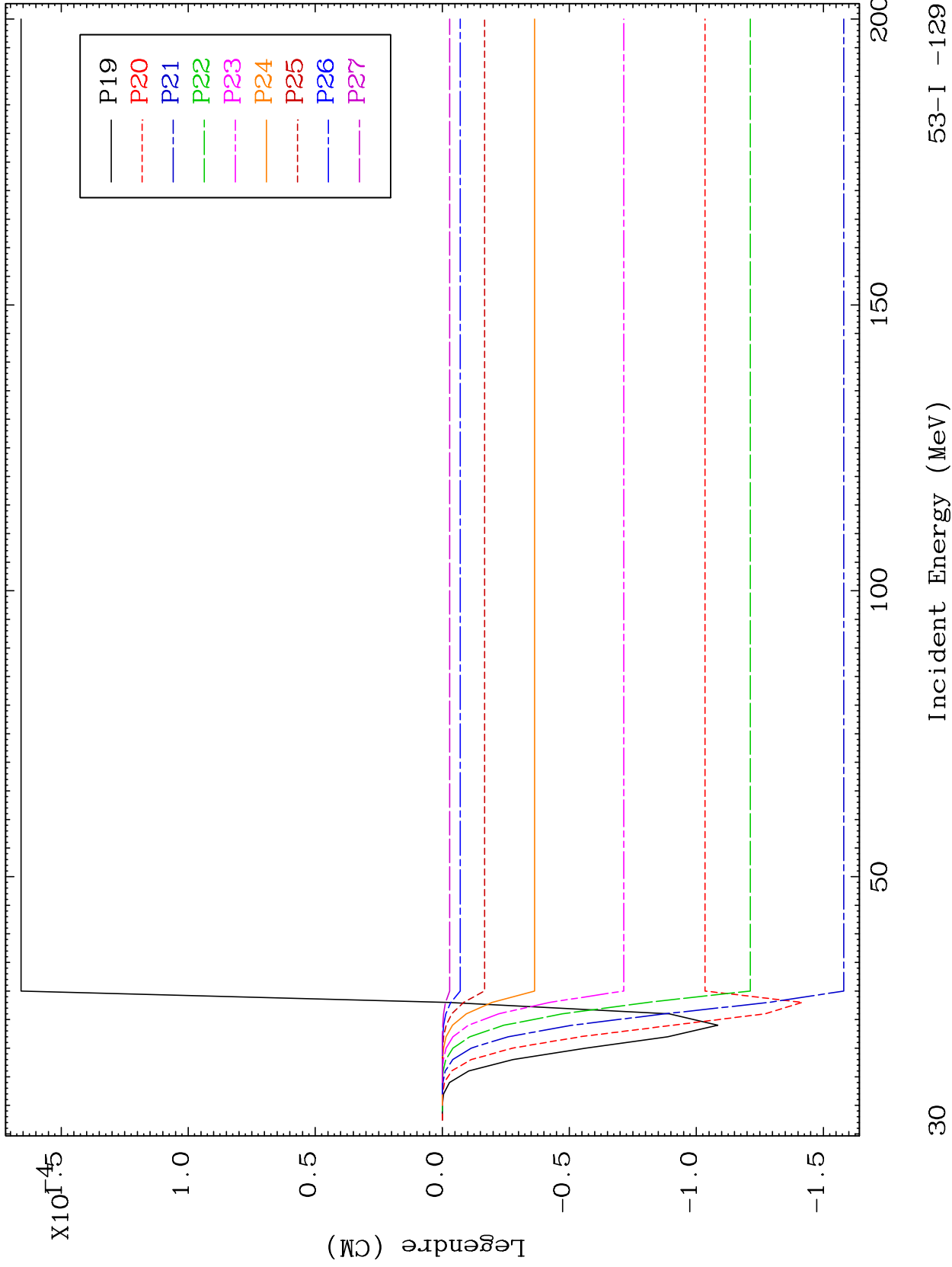
27

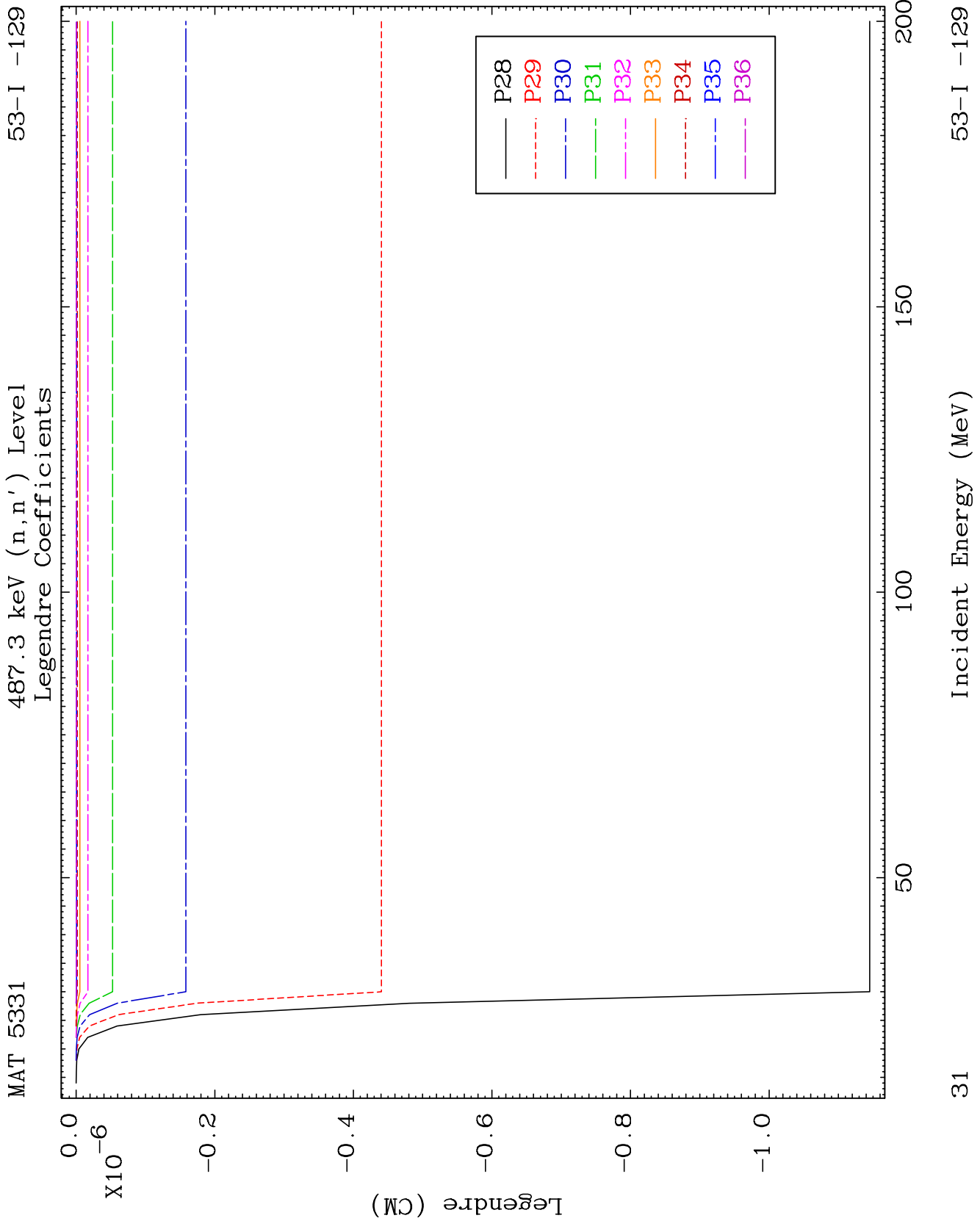
Incident Energy (MeV)

53-I -129





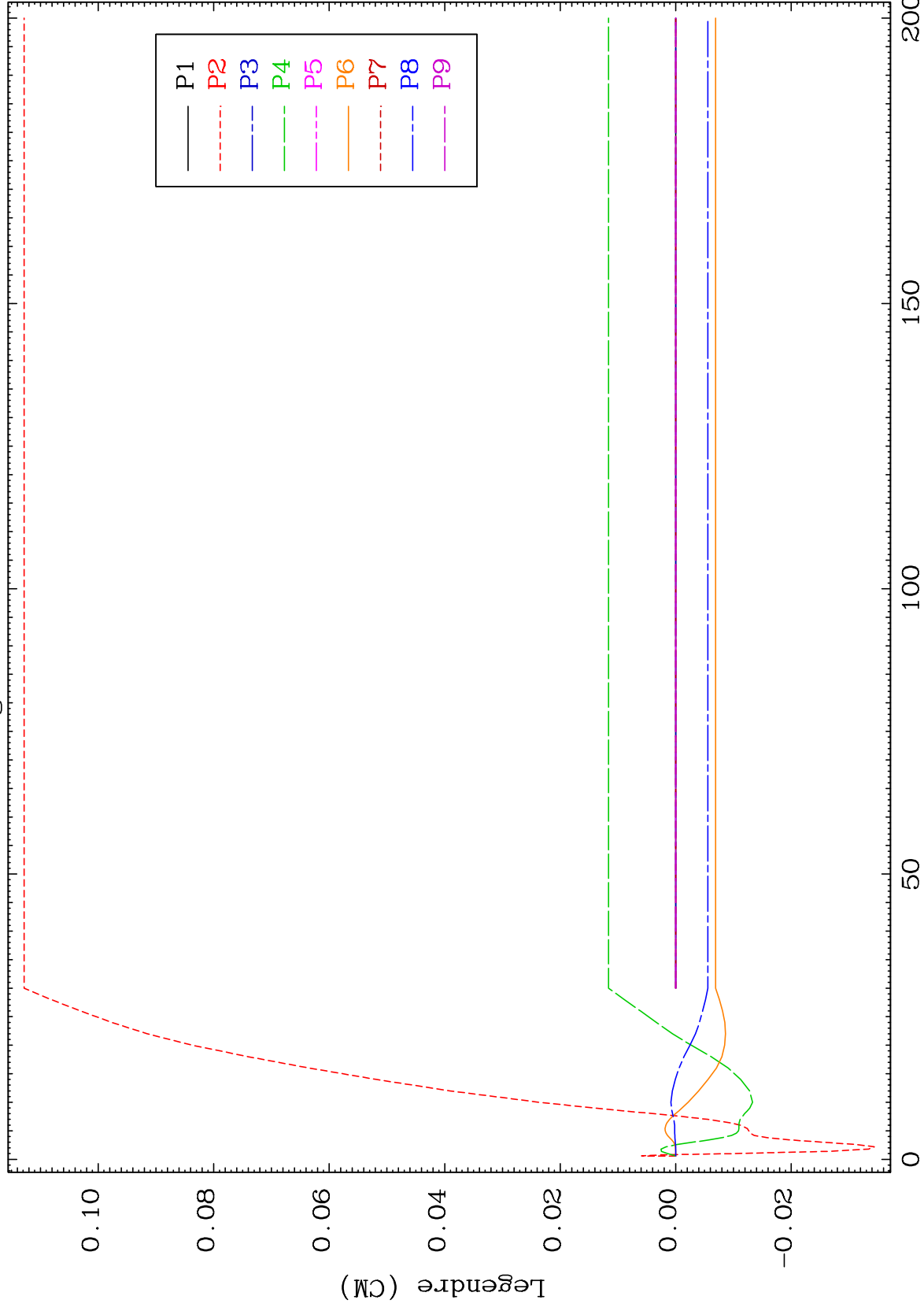




MAT 5331

559.6 keV (n,n') Level
Legendre Coefficients

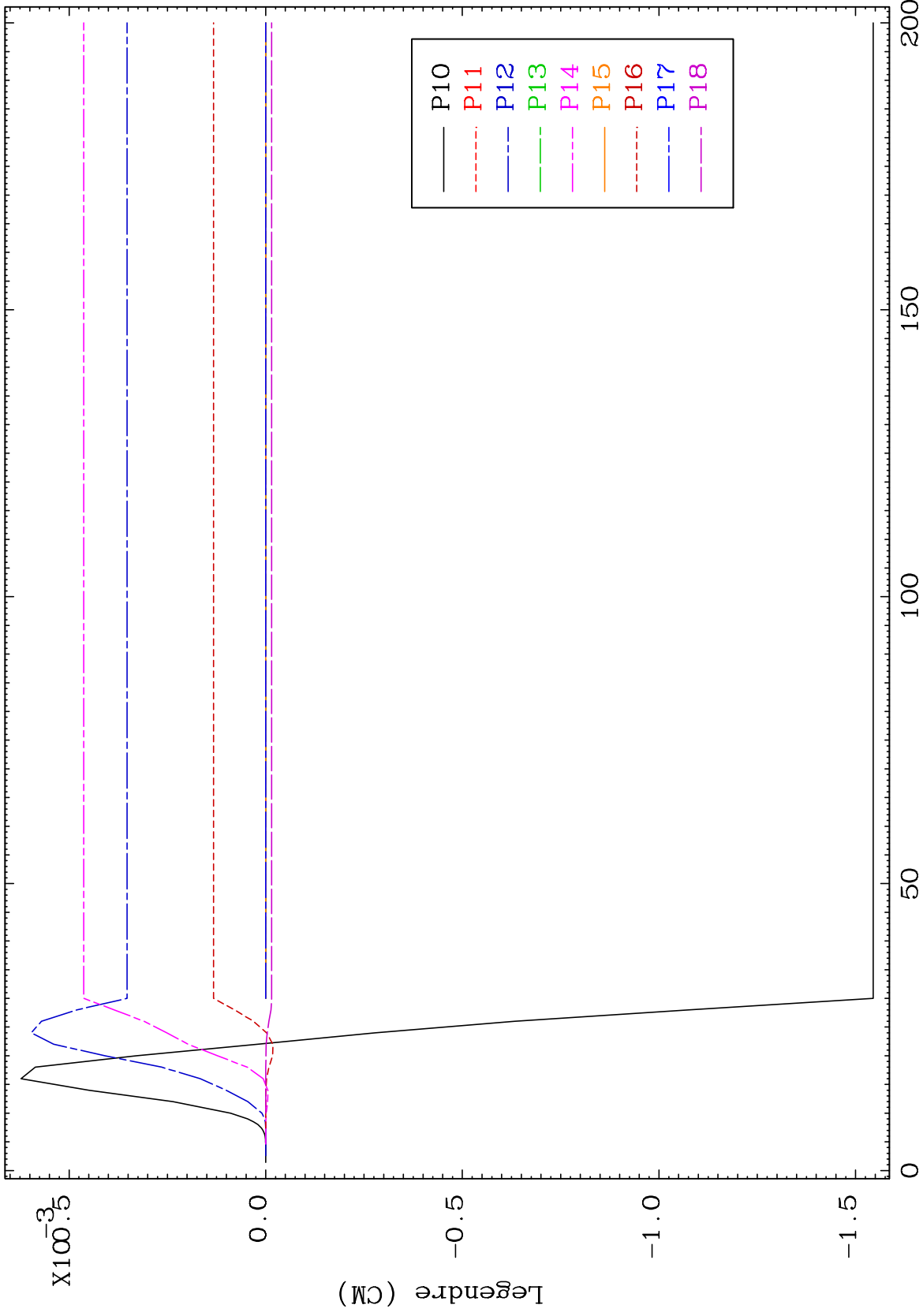
53-I -129

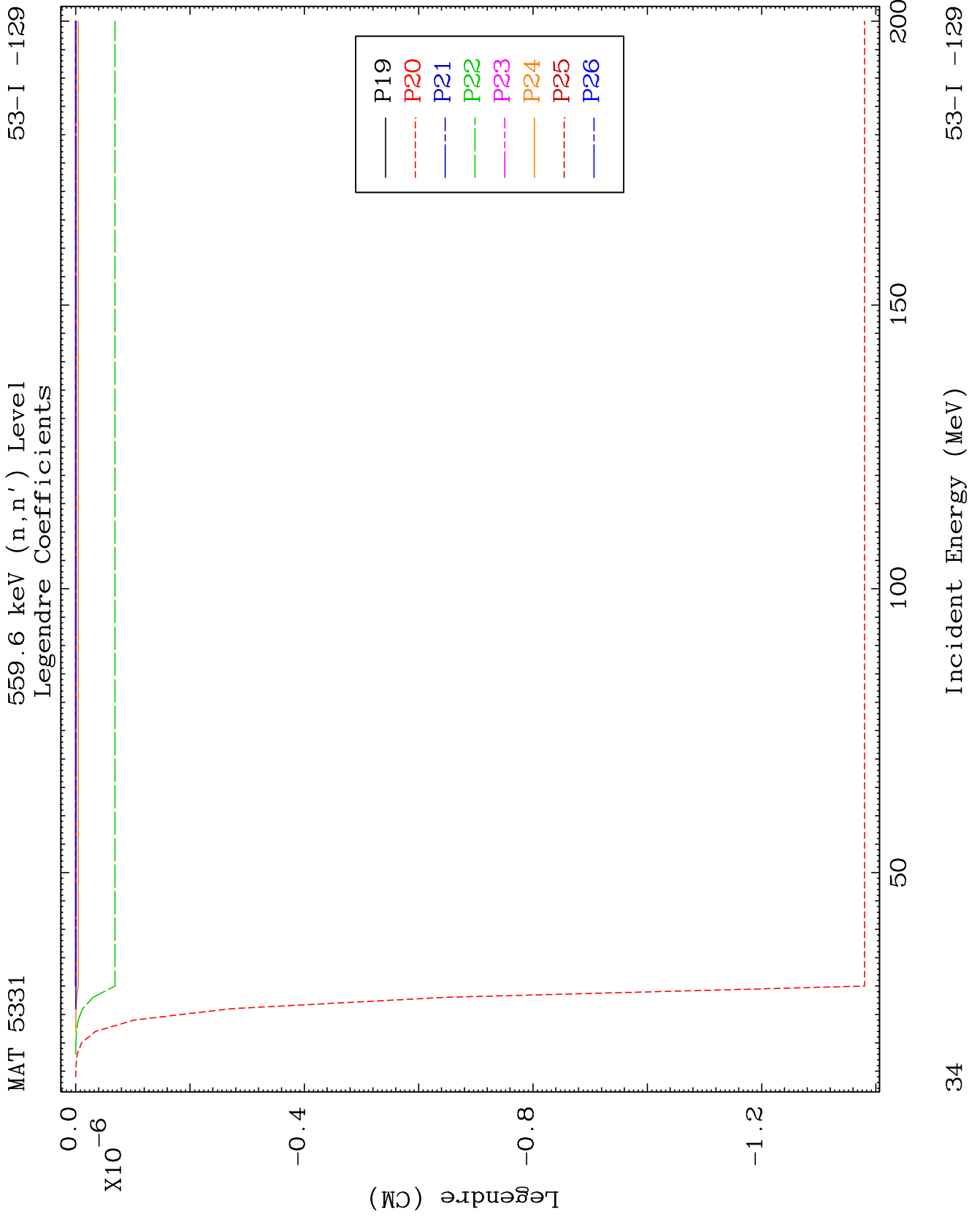


32

Incident Energy (MeV)

53-I -129

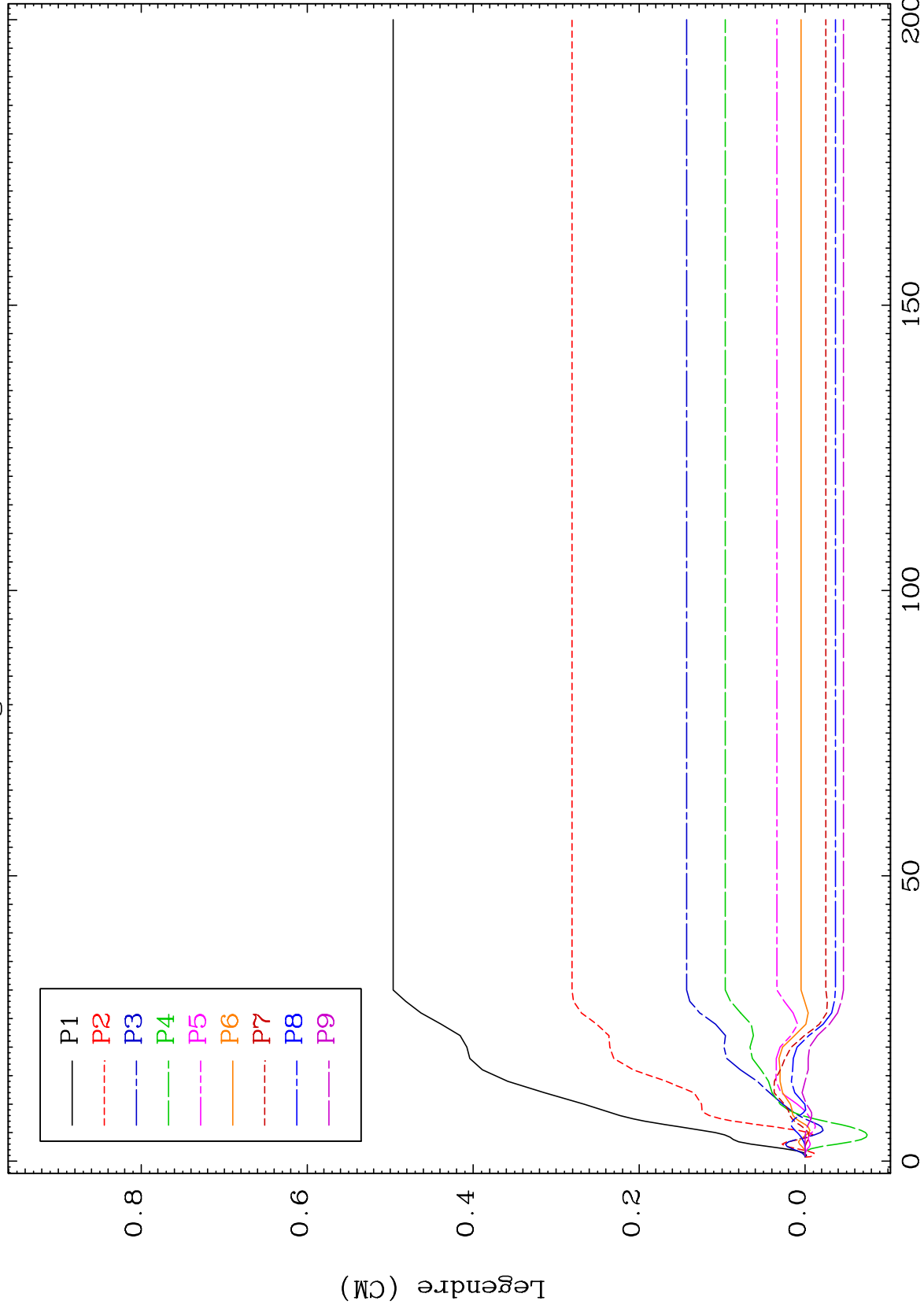




MAT 5331

695.9 keV (n,n') Level
Legendre Coefficients

53-I -129



53-I -129

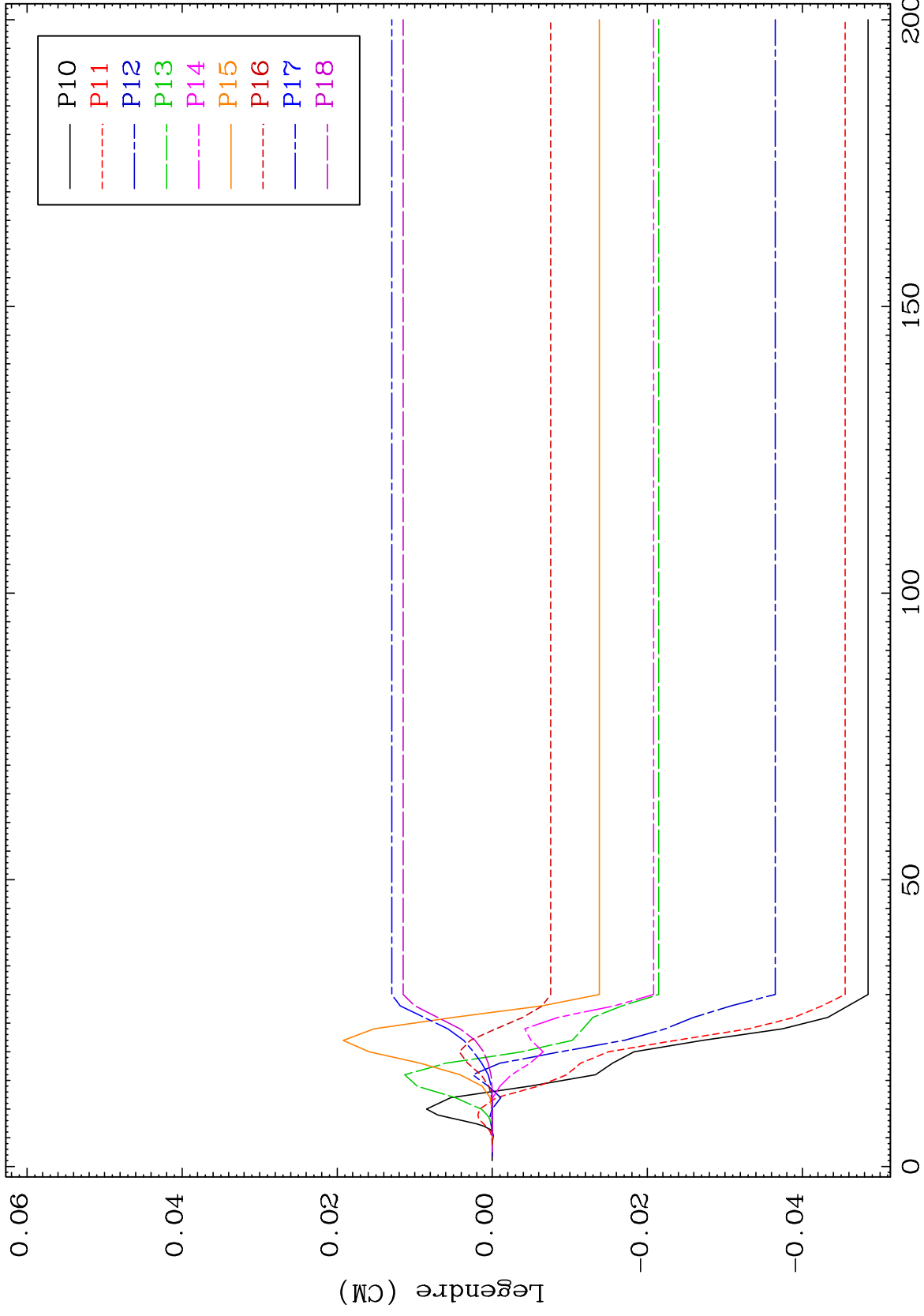
Incident Energy (MeV)

35

MAT 5331

695.9 keV (n,n') Level
Legendre Coefficients

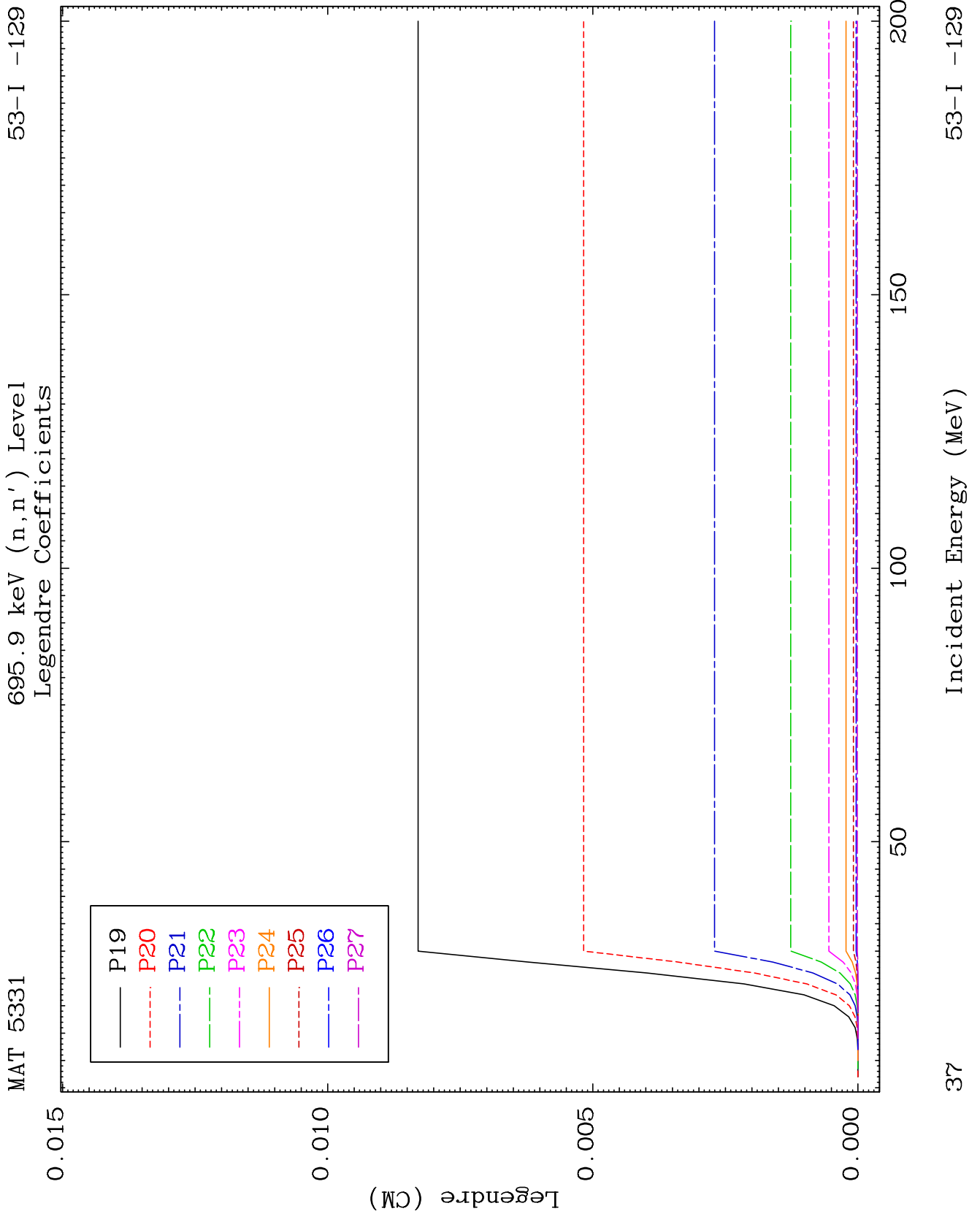
53-I -129



36

Incident Energy (MeV)

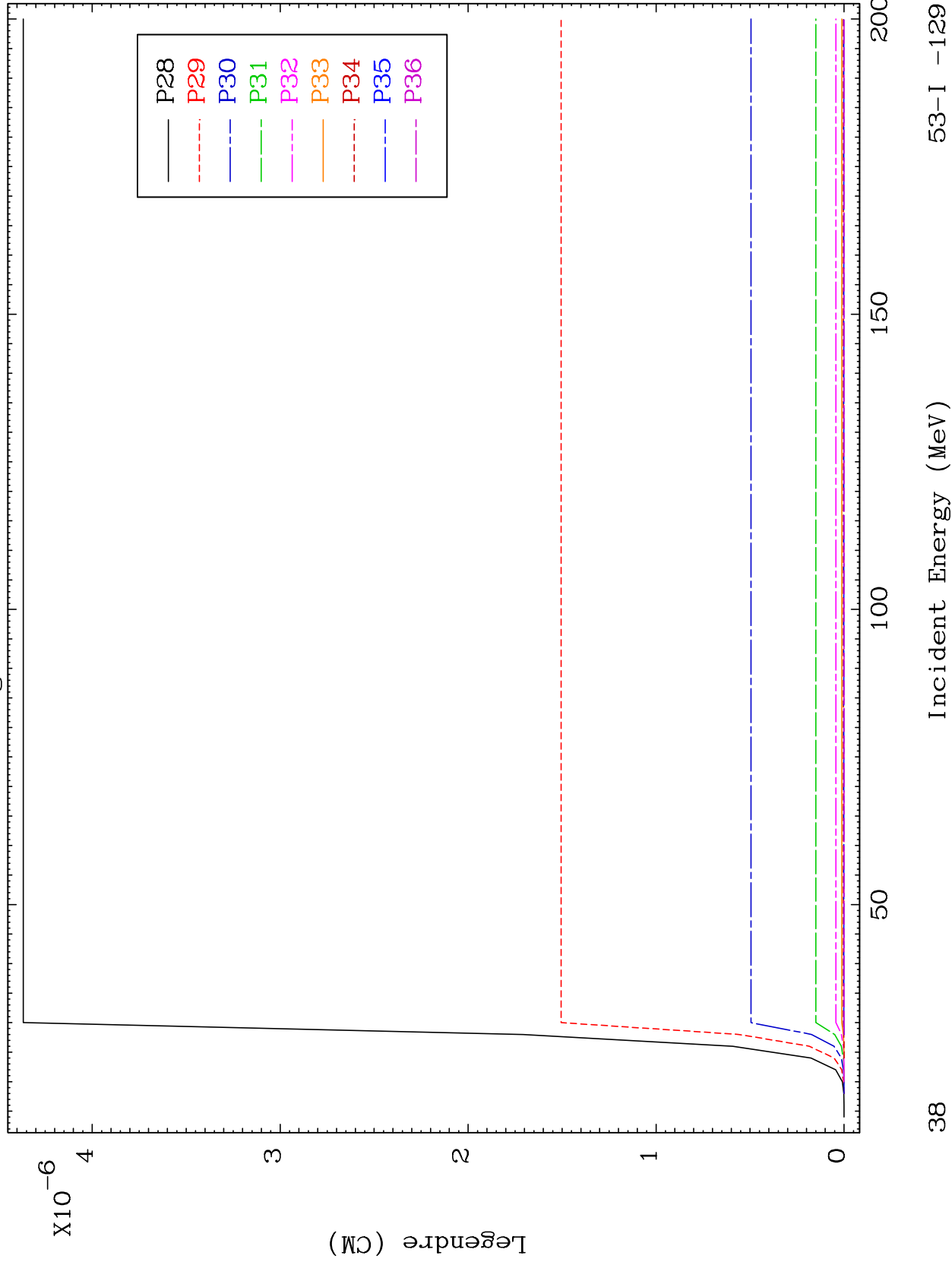
53-I -129

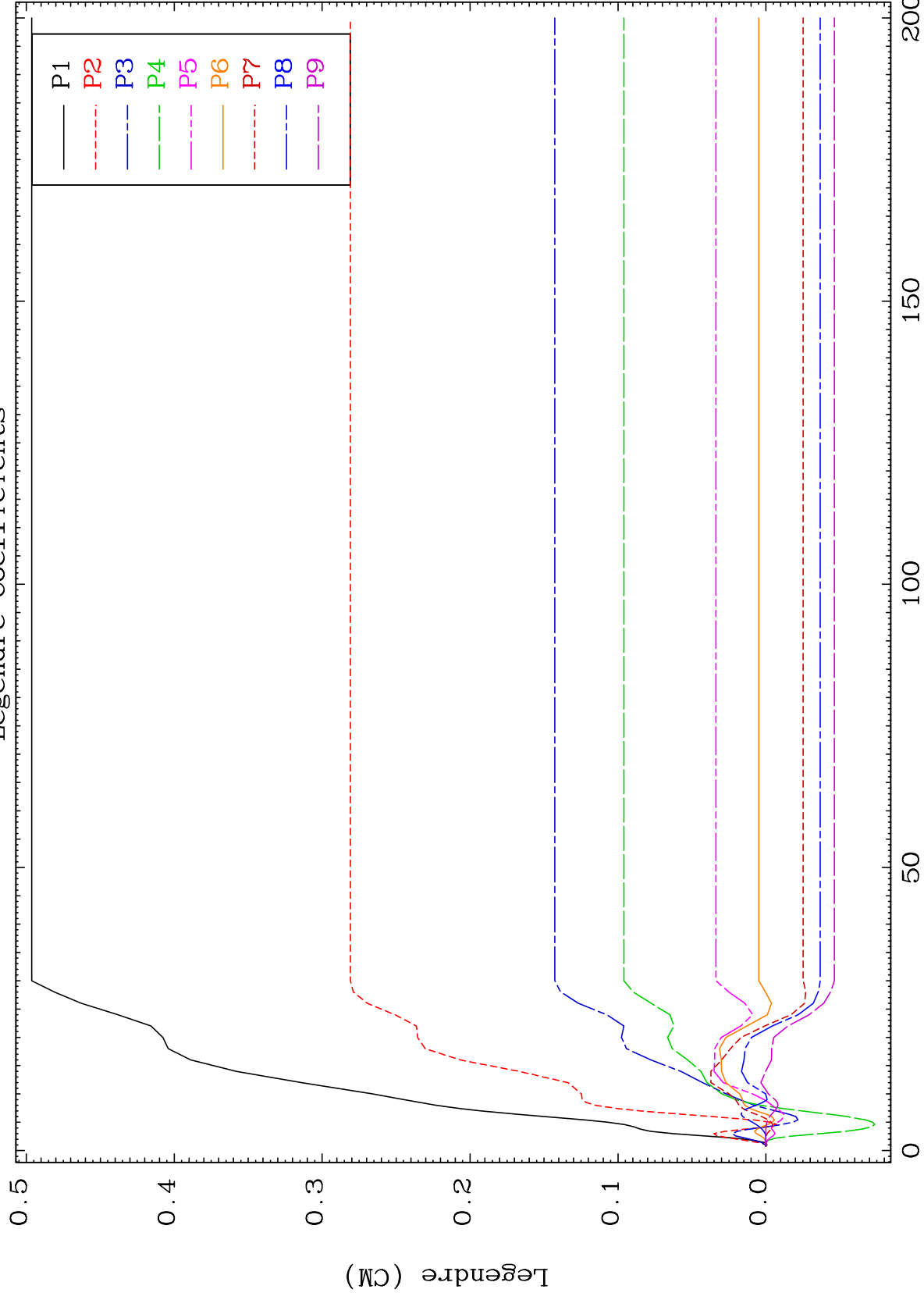


MAT 5331

695.9 keV (n,n') Level
Legendre Coefficients

53-I -129

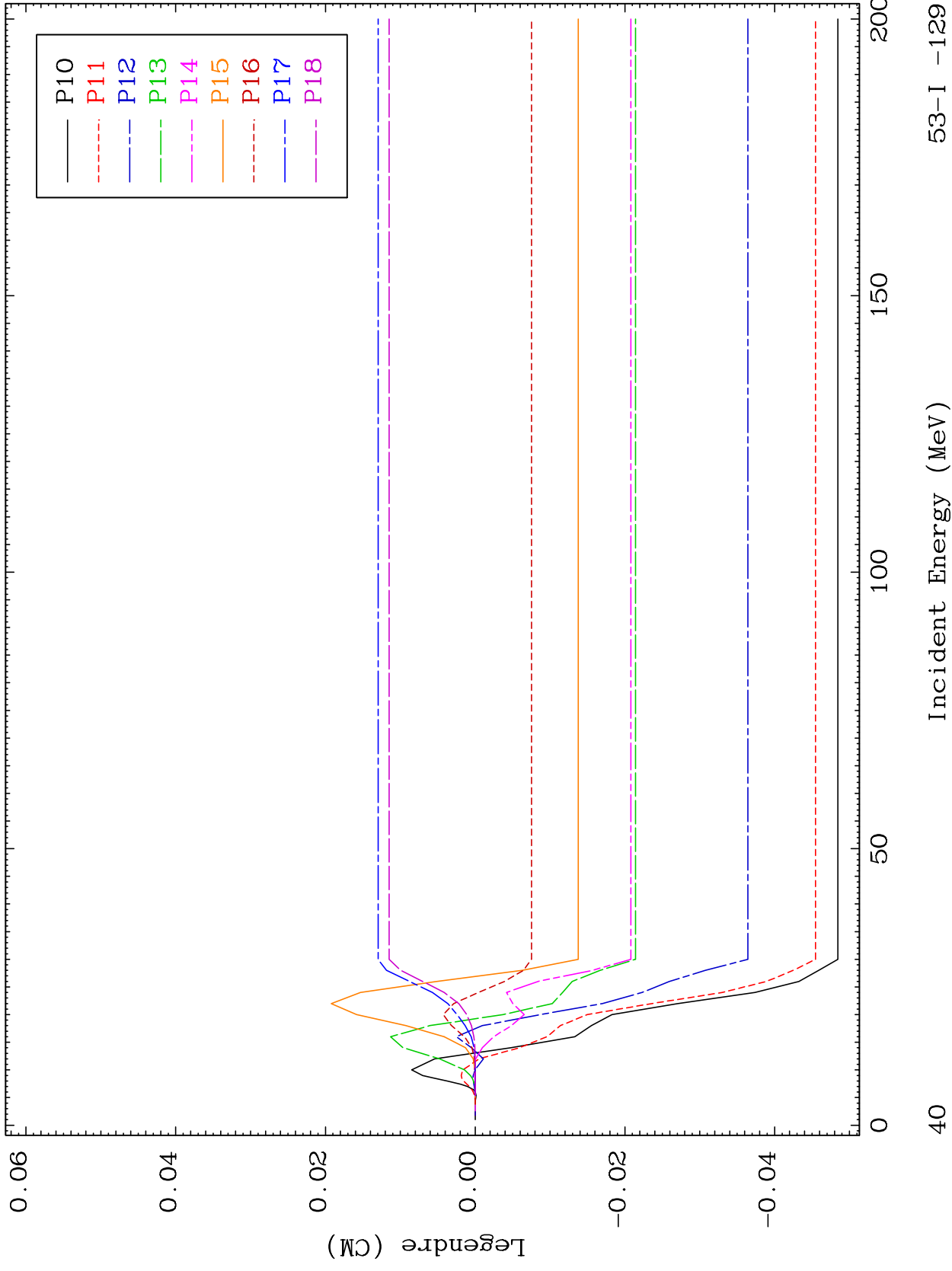




MAT 5331

729.6 keV (n,n') Level
Legendre Coefficients

53-I -129



53-I -129

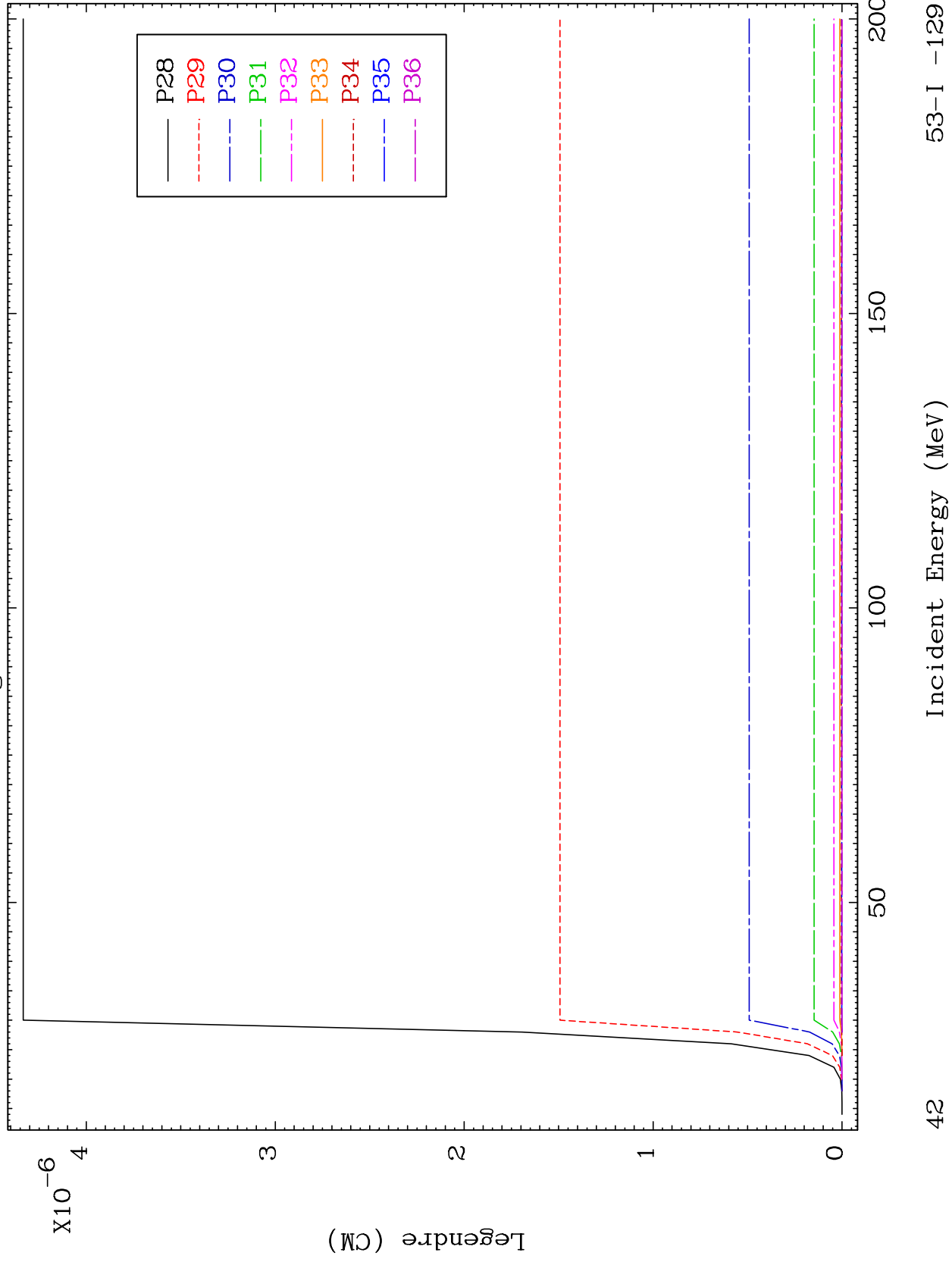
Incident Energy (MeV)

40

MAT 5331

729.6 keV (n,n') Level
Legendre Coefficients

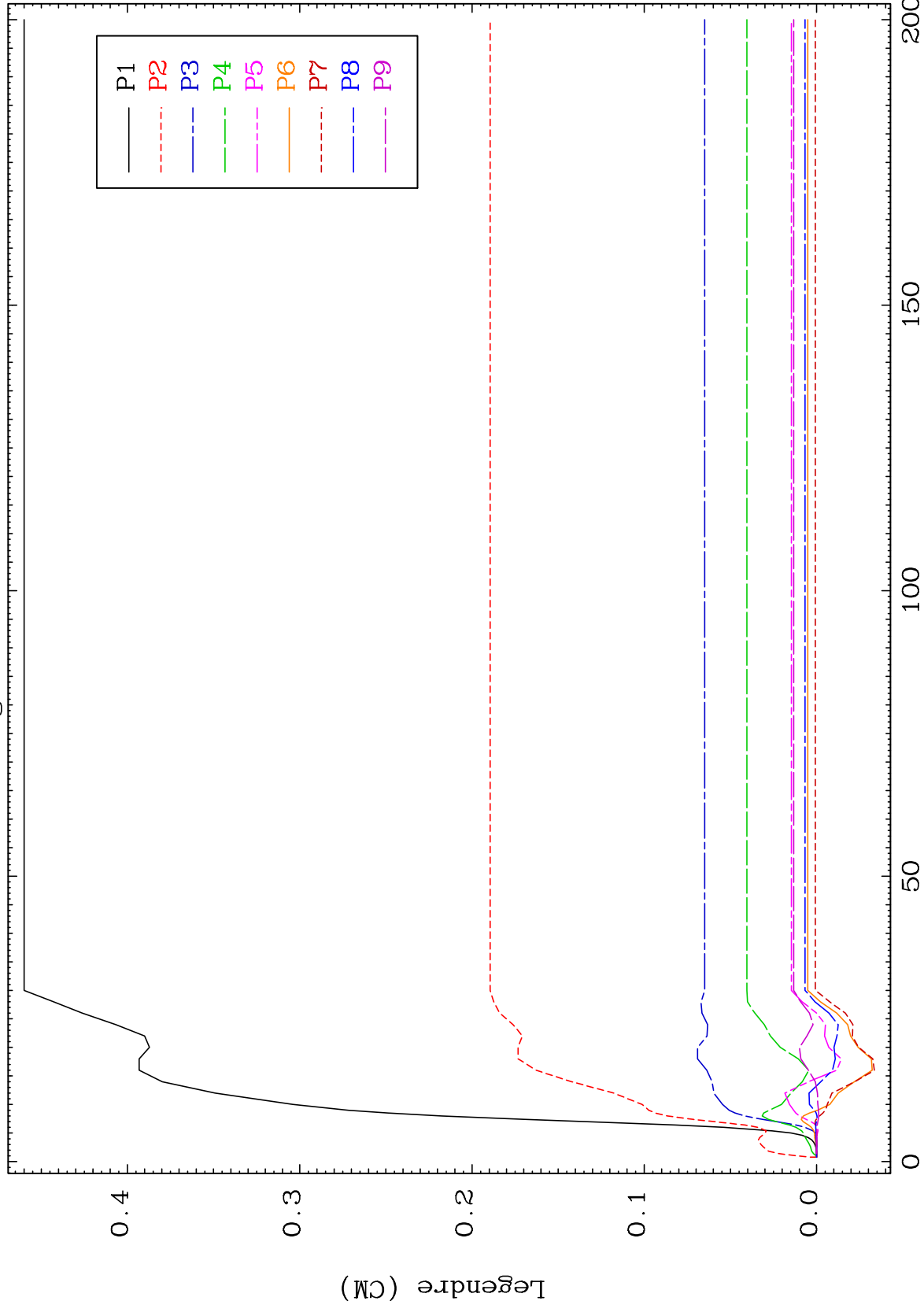
53-I -129



MAT 5331

768.8 keV (n,n') Level
Legendre Coefficients

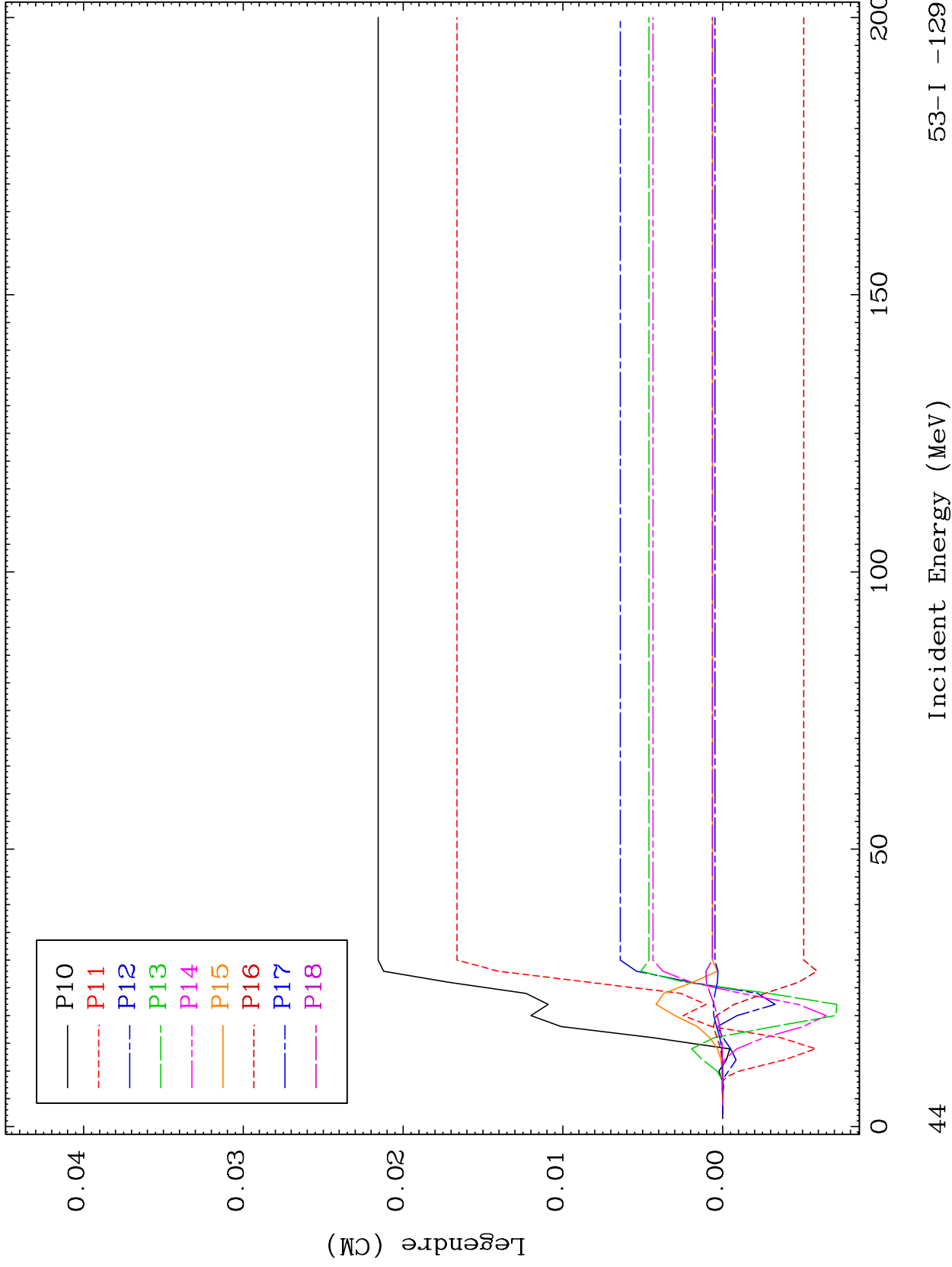
53-I -129



43

Incident Energy (MeV)

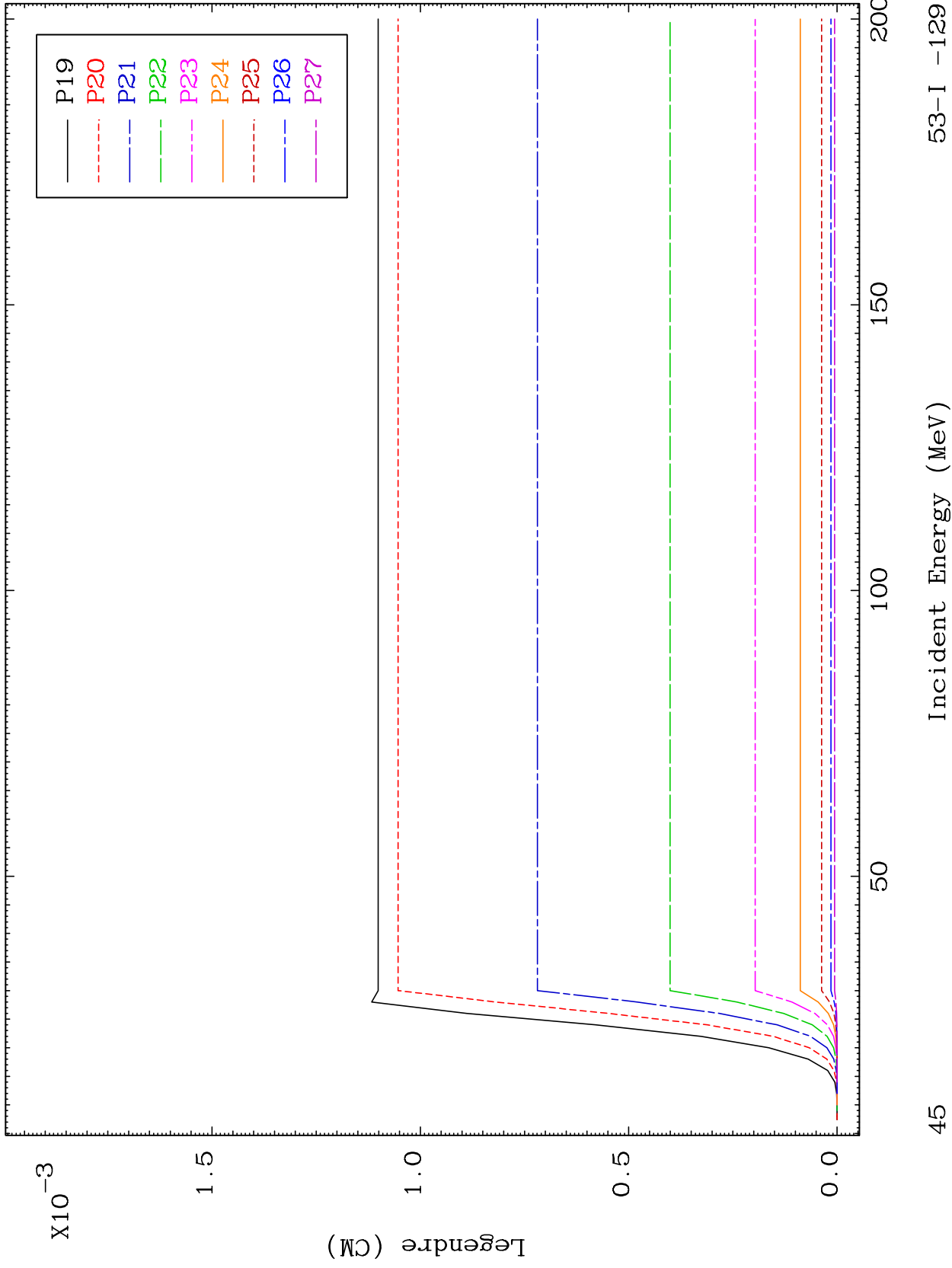
53-I -129



MAT 5331

768.8 keV (n,n') Level
Legendre Coefficients

53-I -129



45

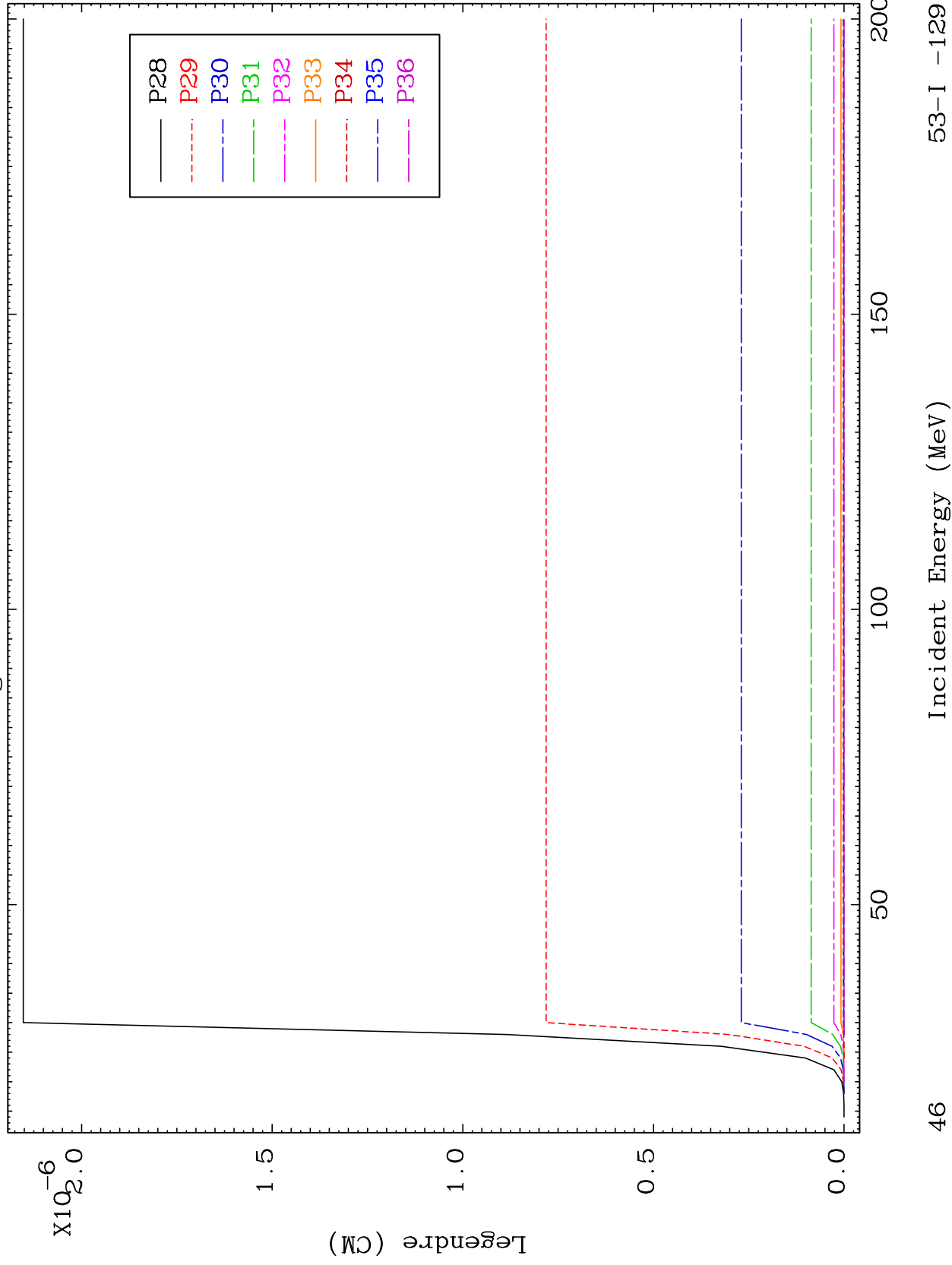
Incident Energy (MeV)

53-I -129

MAT 5331

768.8 keV (n,n') Level
Legendre Coefficients

53-I -129



46

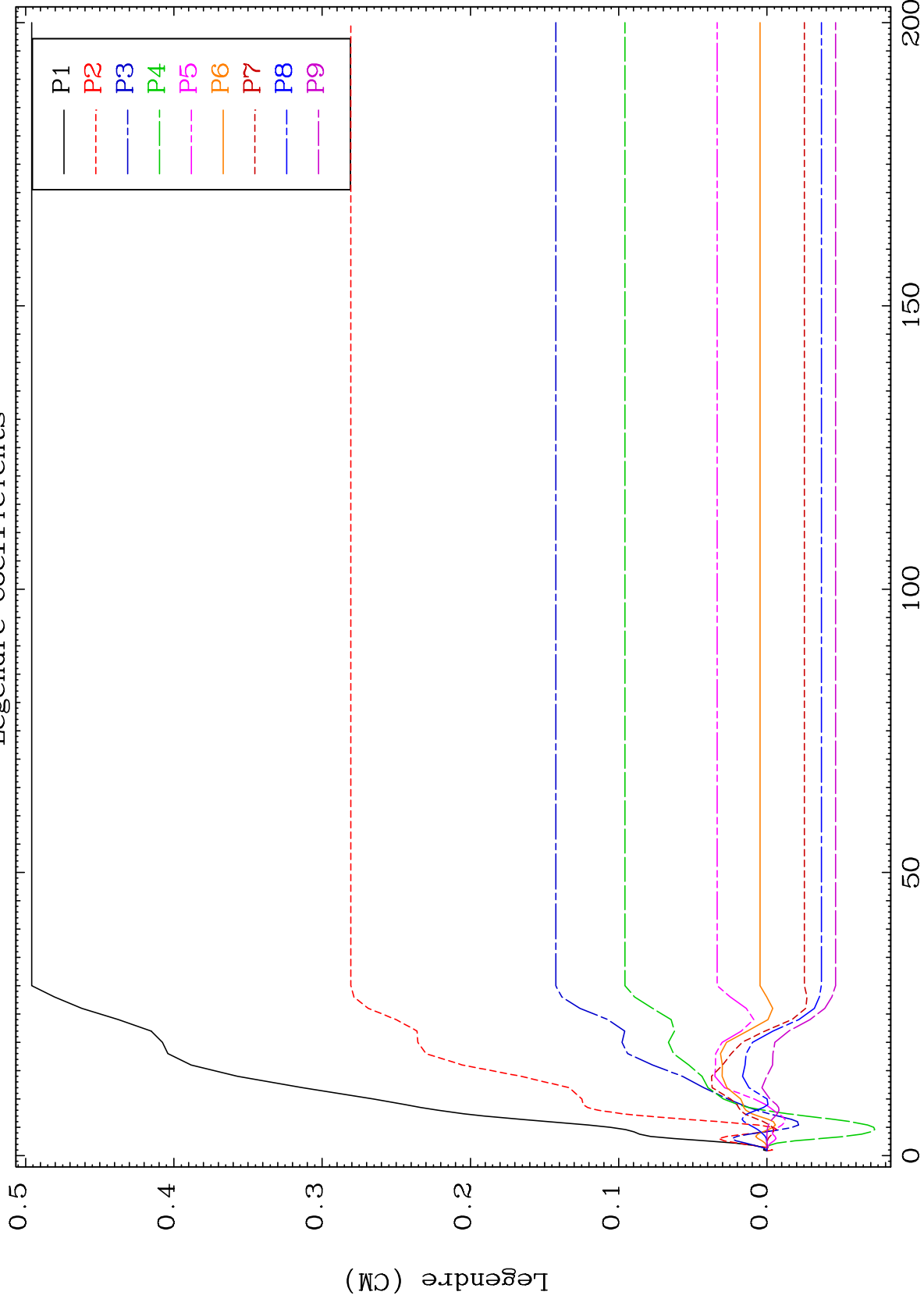
Incident Energy (MeV)

53-I -129

MAT 5331

829.9 keV (n,n') Level
Legendre Coefficients

53-I -129



53-I -129

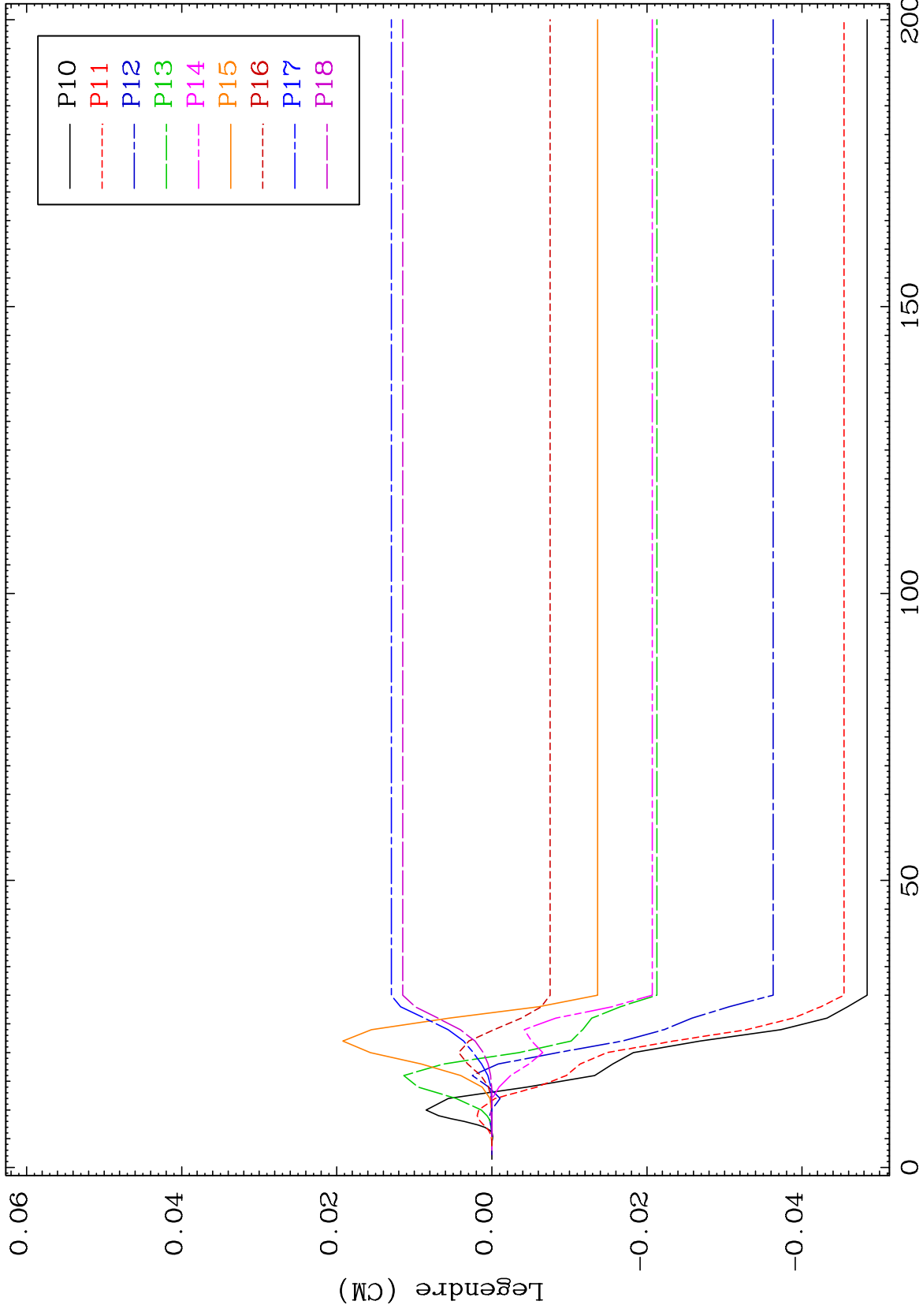
Incident Energy (MeV)

47

MAT 5331

829.9 keV (n,n') Level
Legendre Coefficients

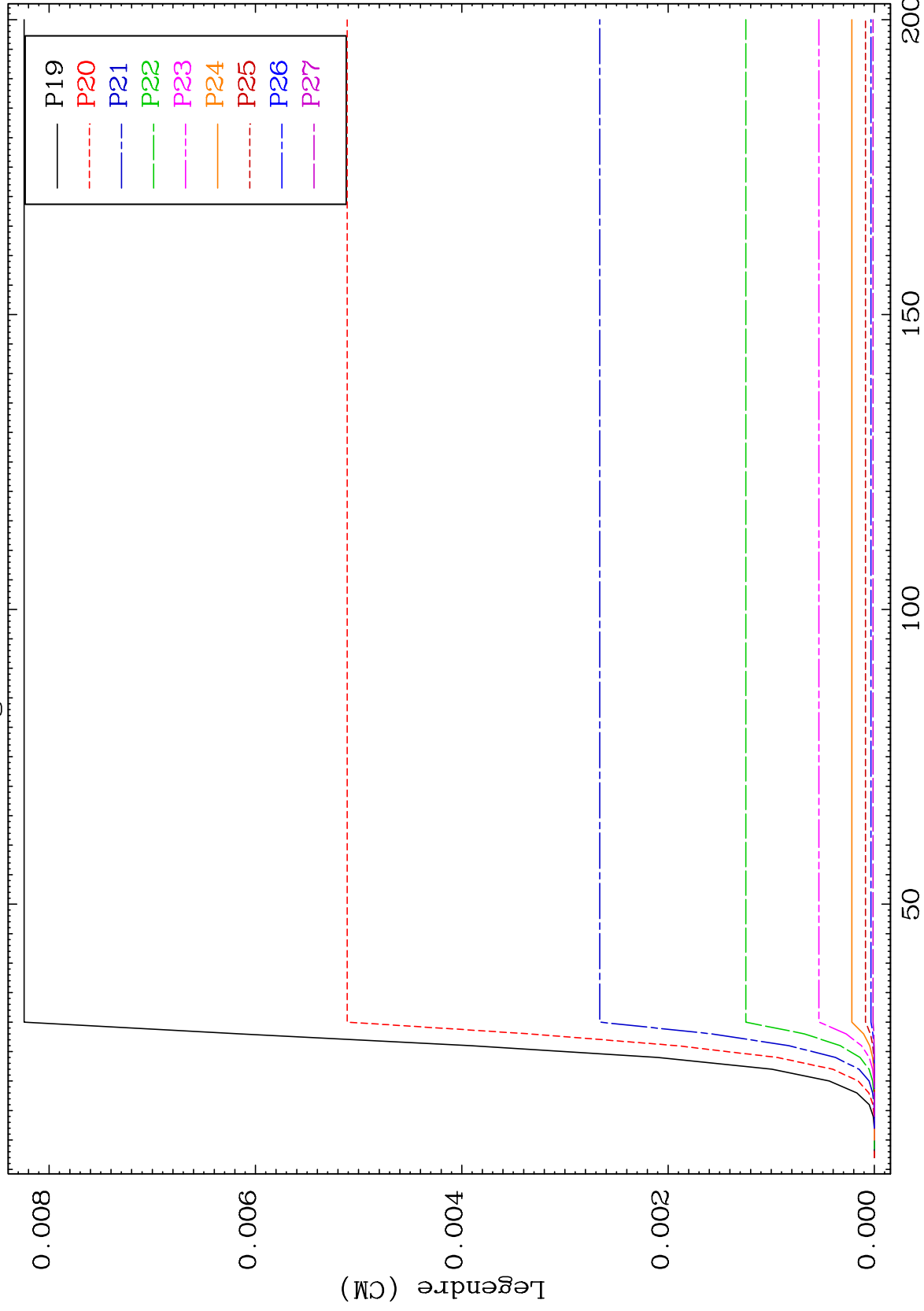
53-I -129



48

Incident Energy (MeV)

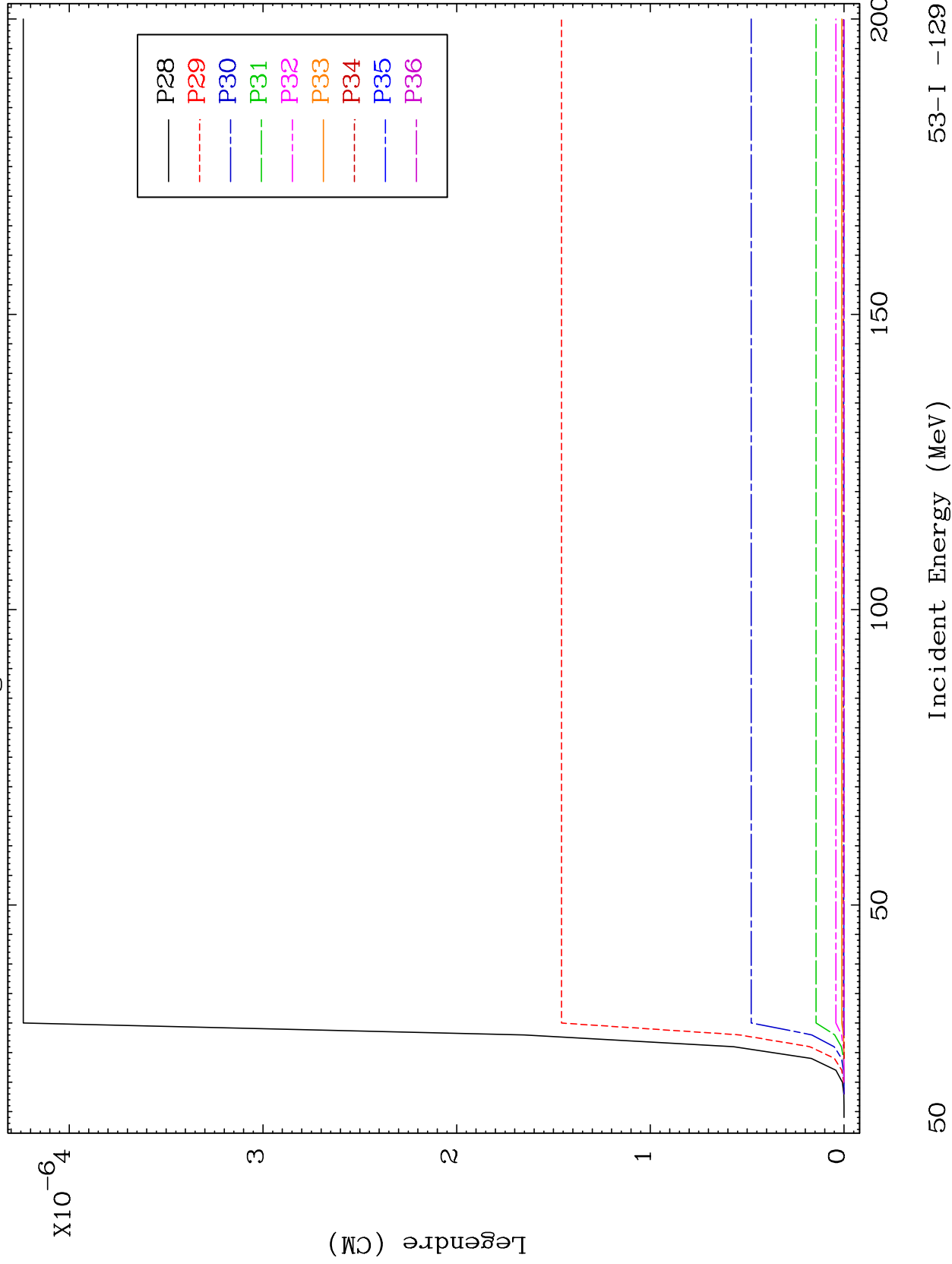
53-I -129

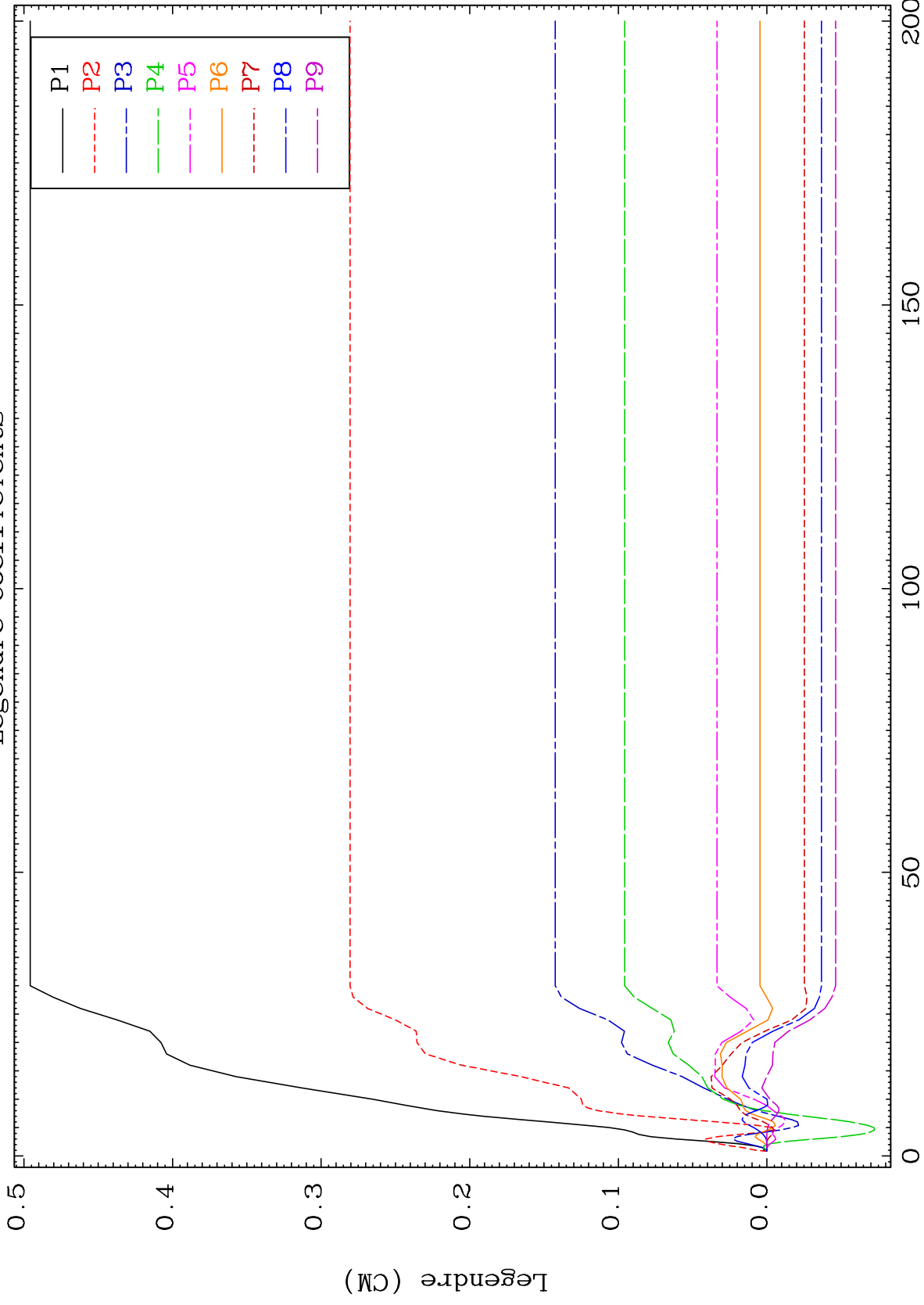


MAT 5331

829.9 keV (n,n') Level
Legendre Coefficients

53-I -129

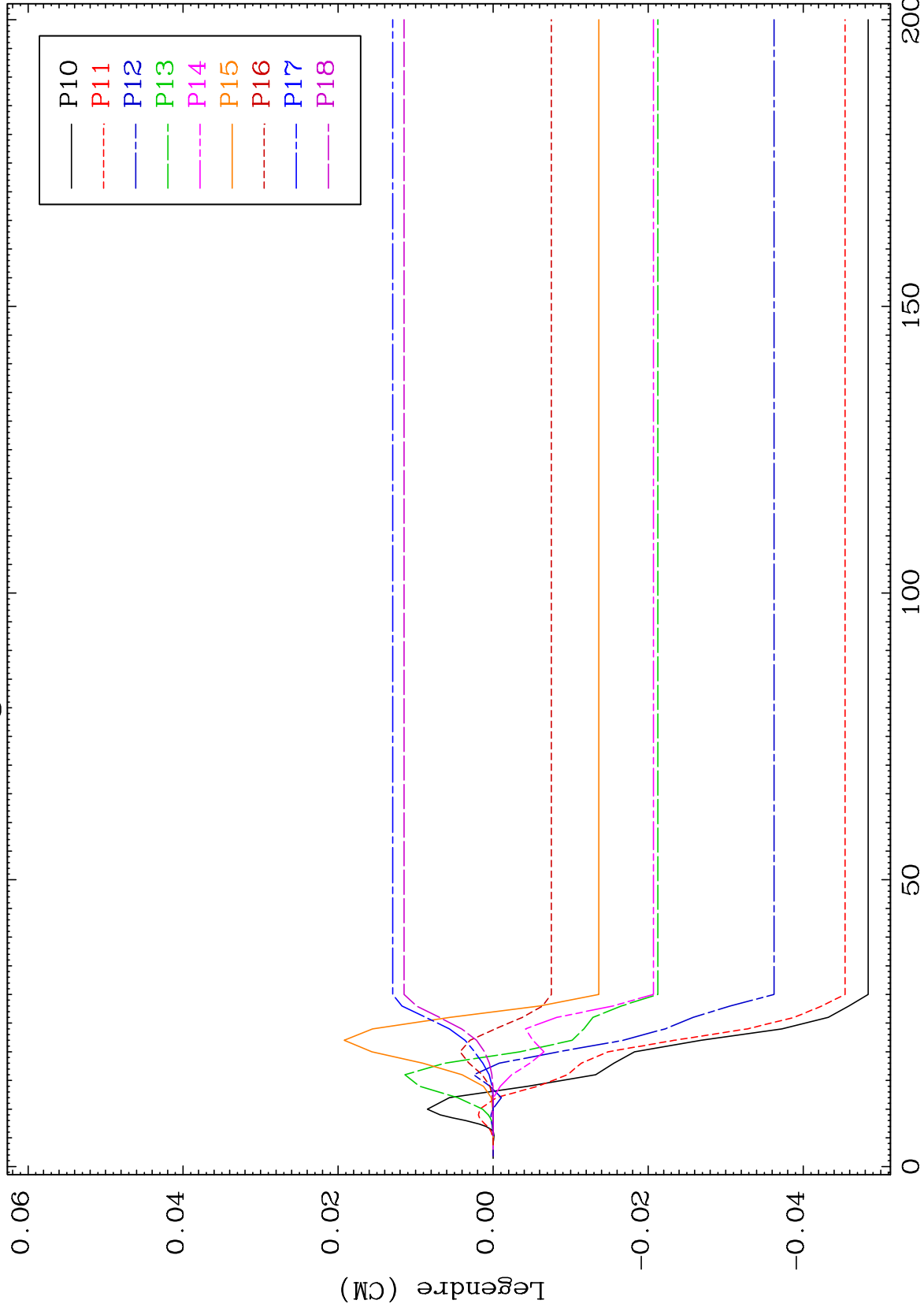




MAT 5331

844.8 keV (n,n') Level
Legendre Coefficients

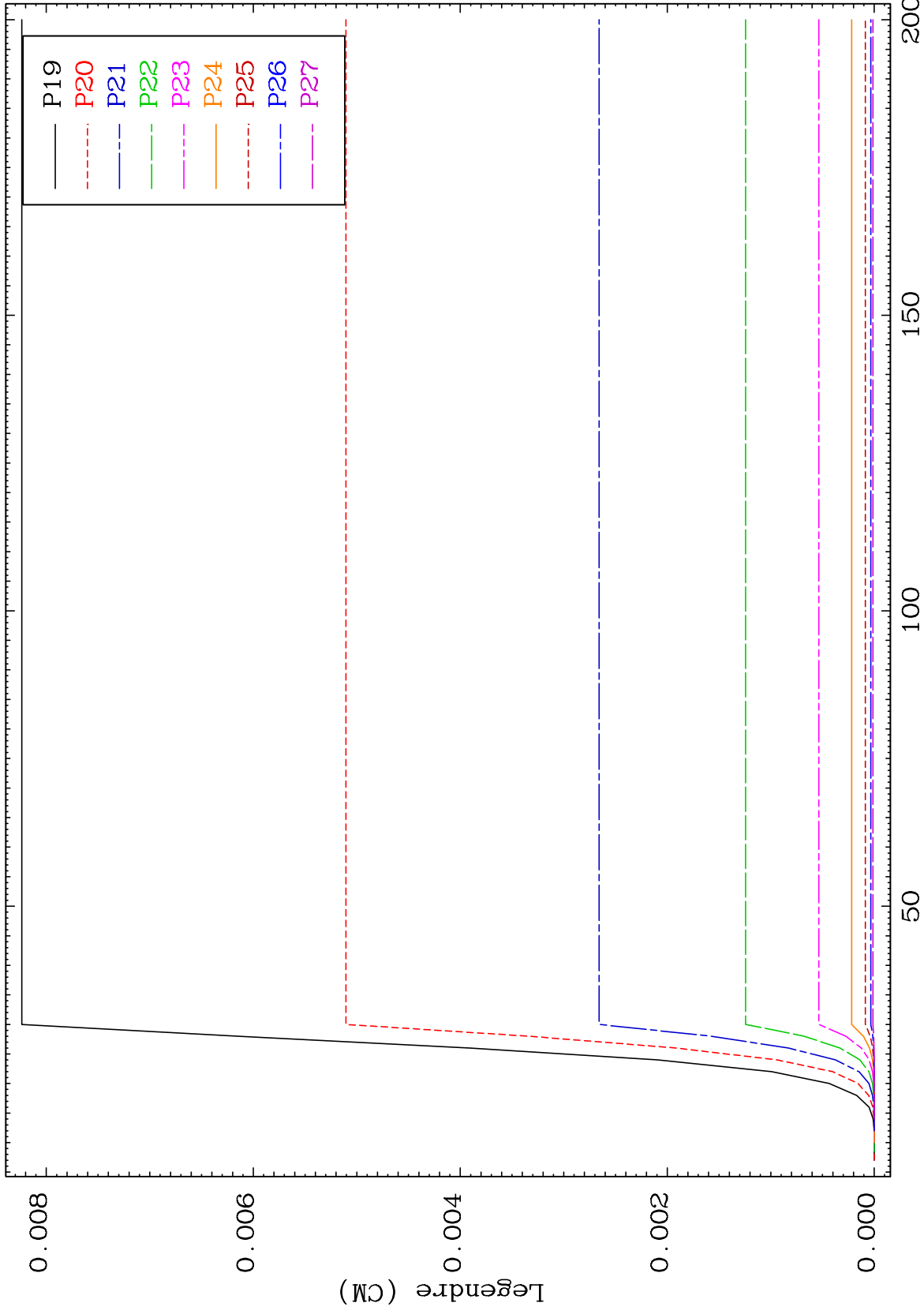
53-I -129

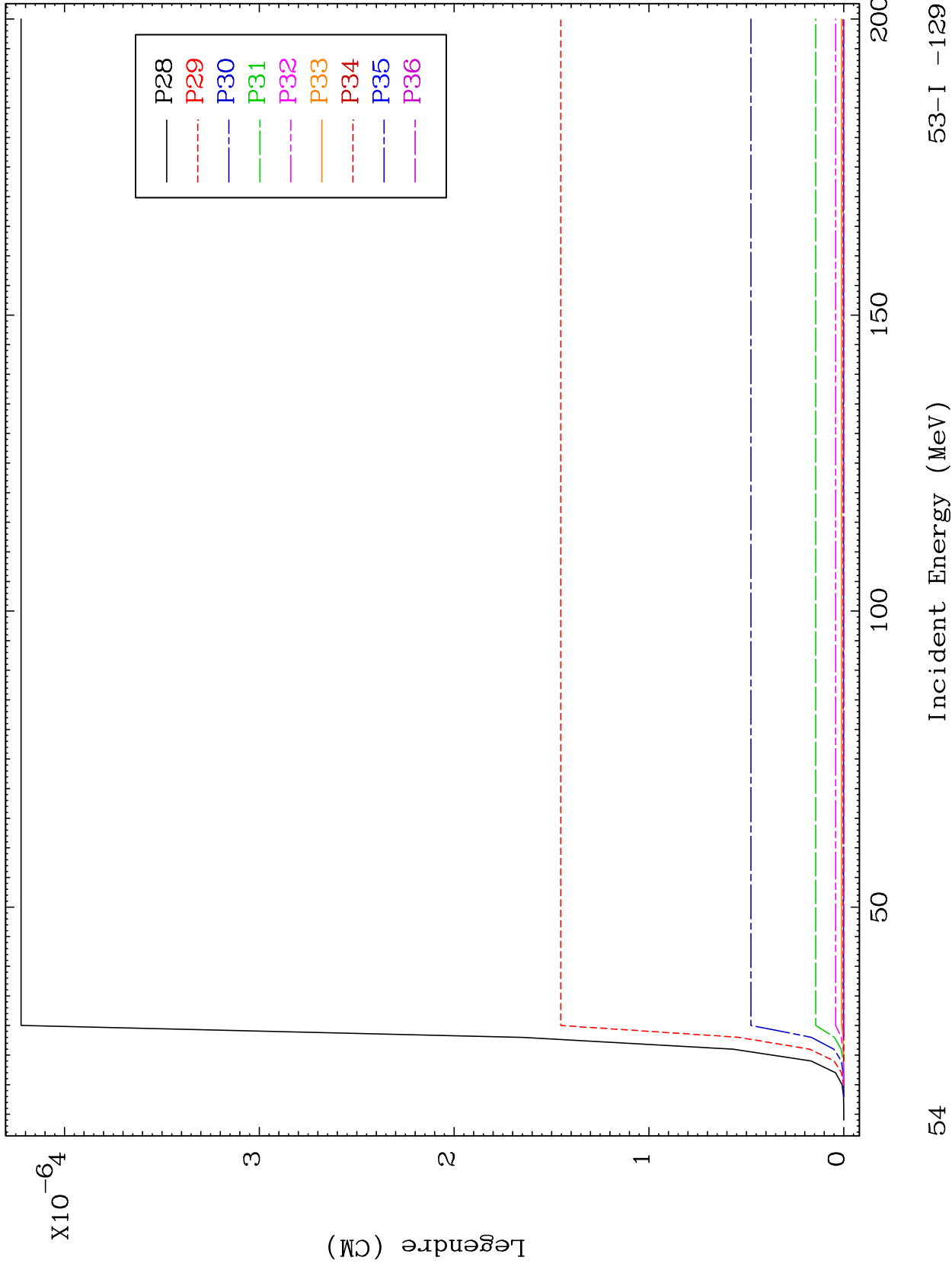


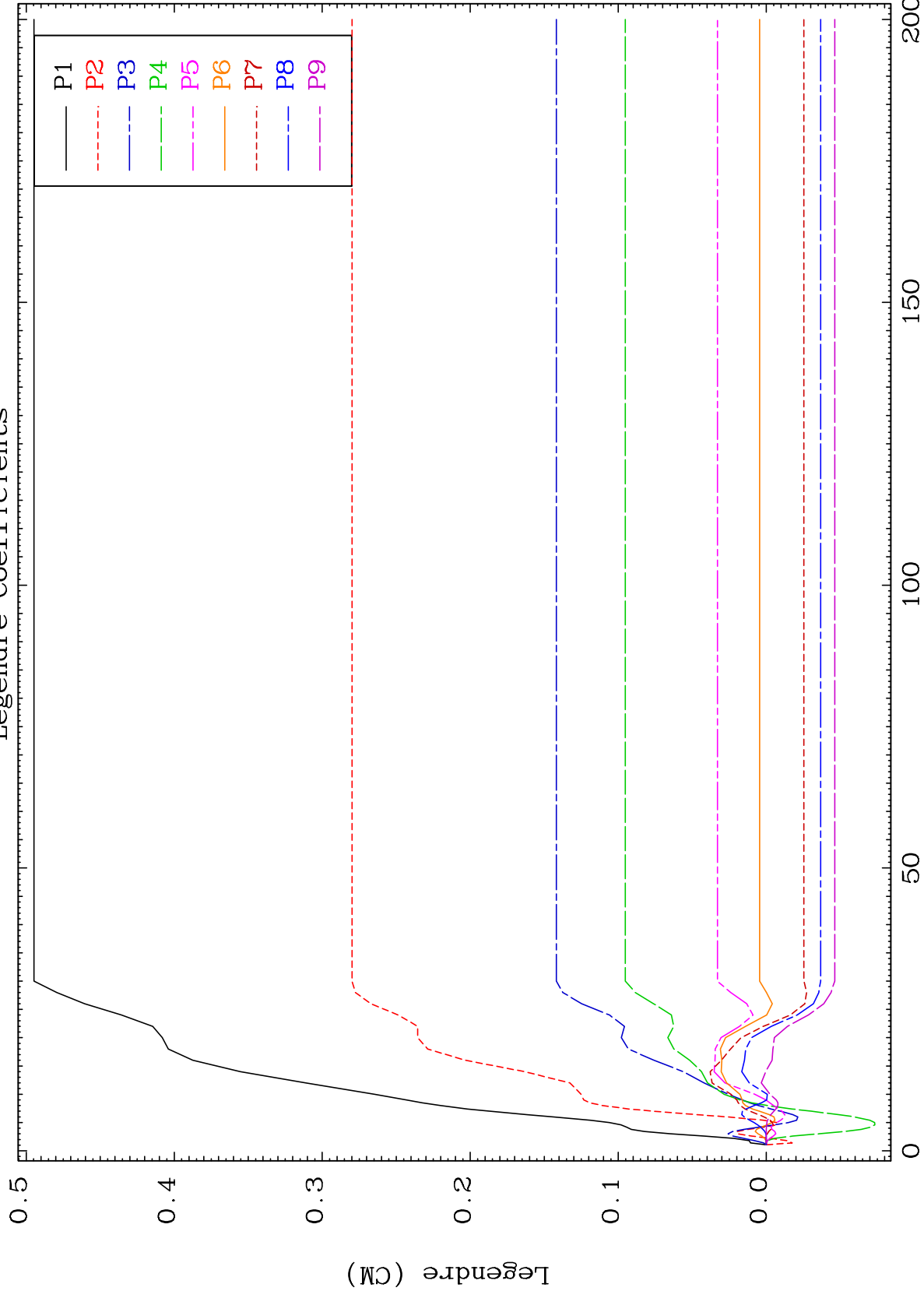
52

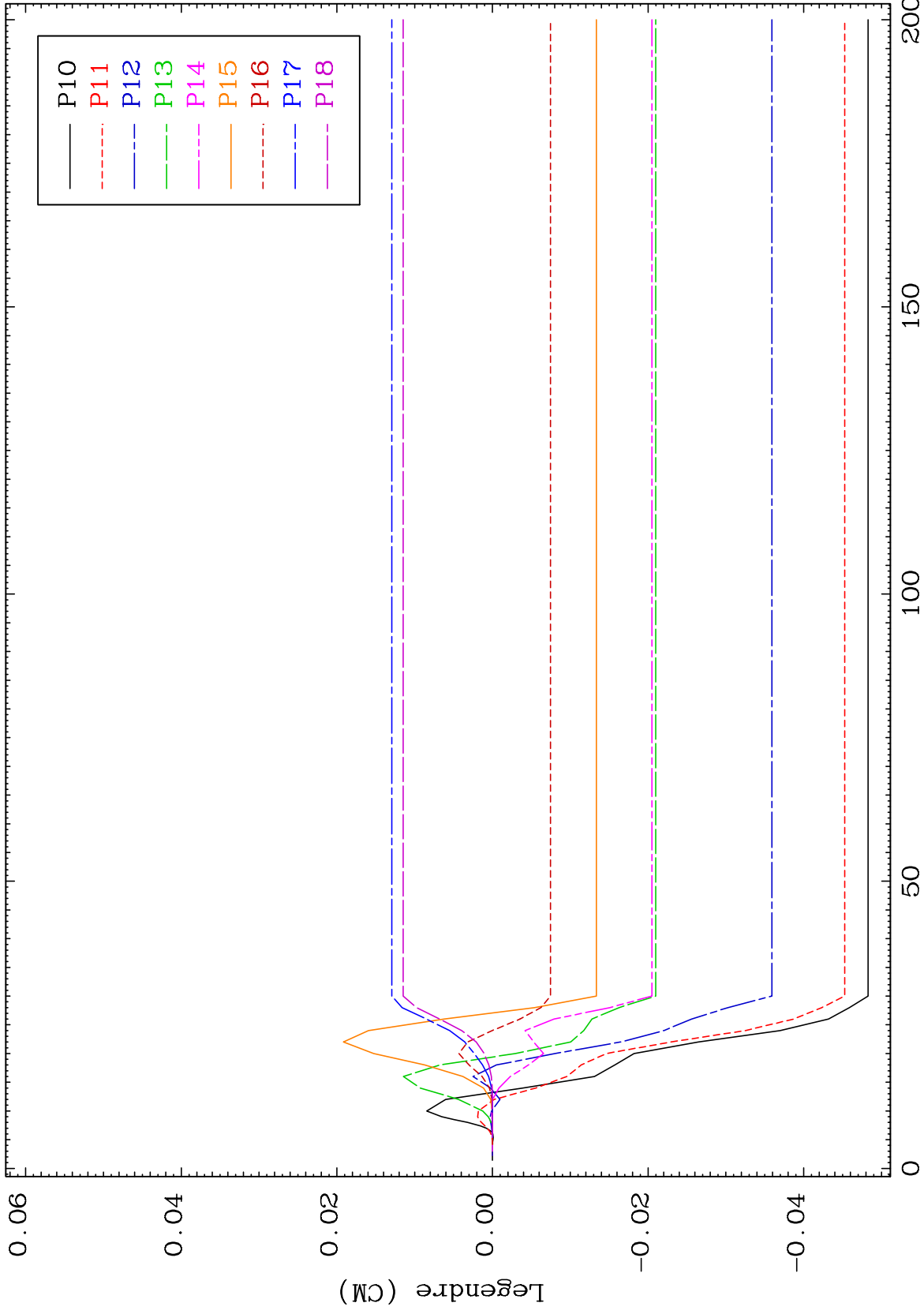
Incident Energy (MeV)

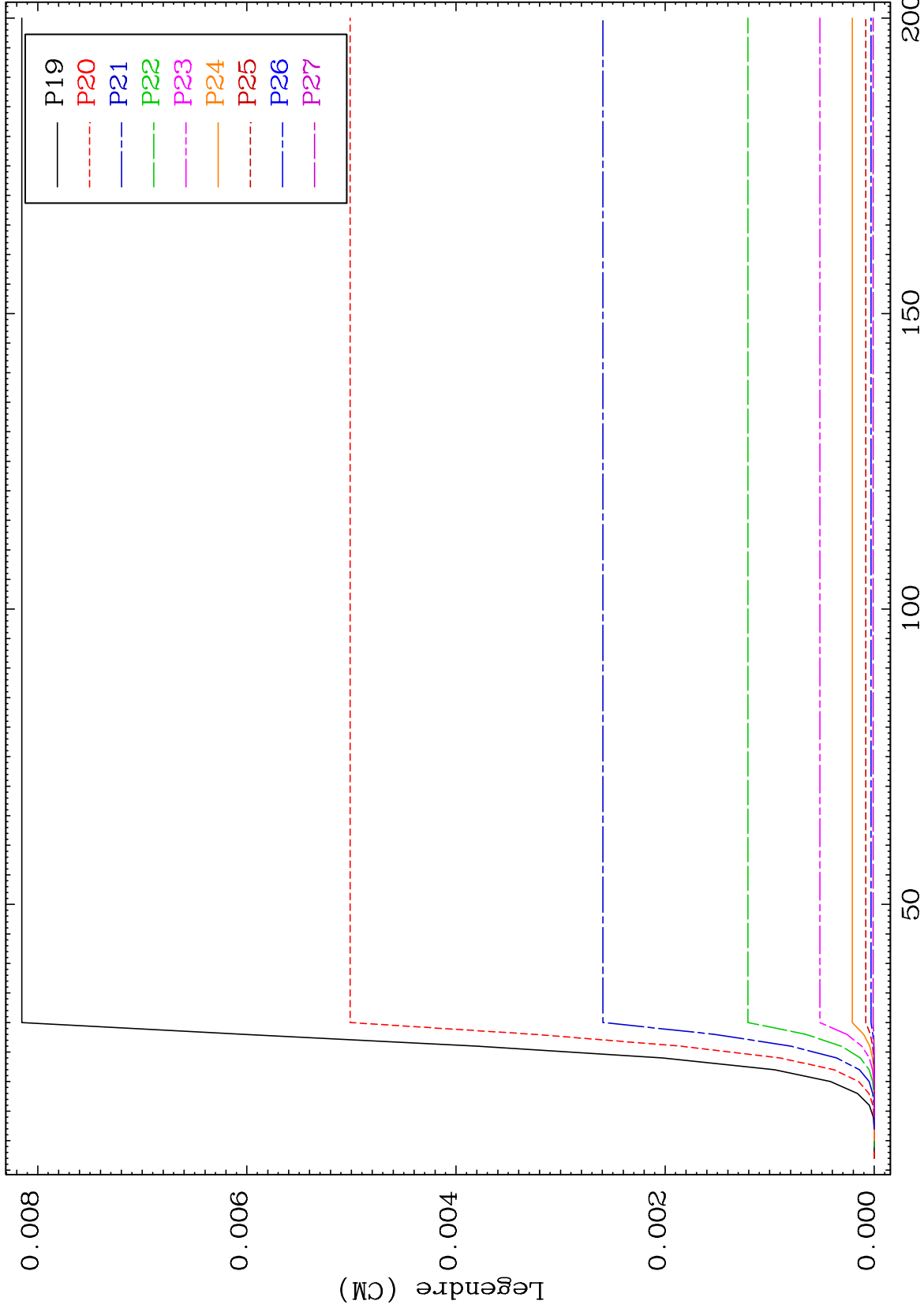
53-I -129







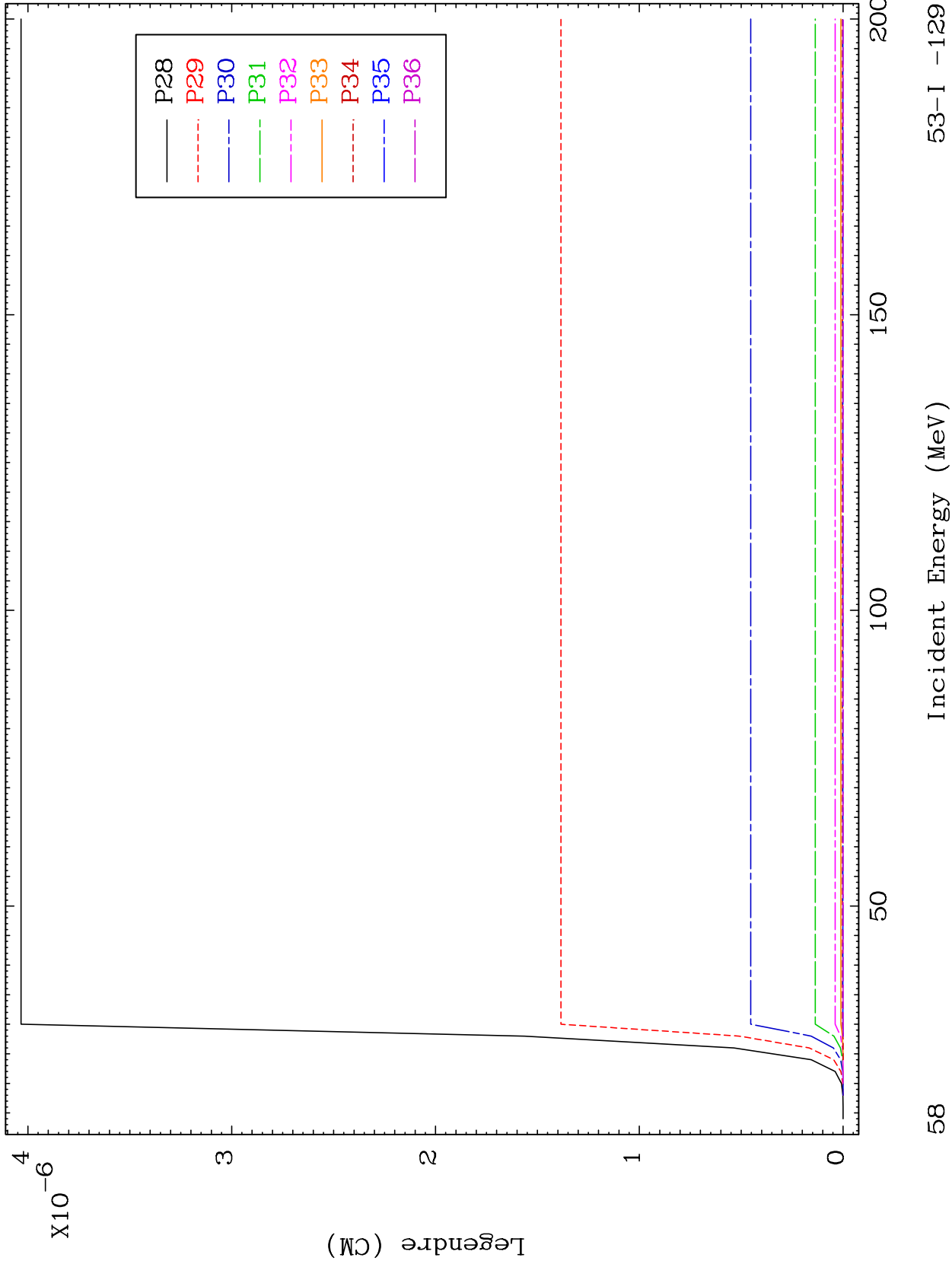




MAT 5331

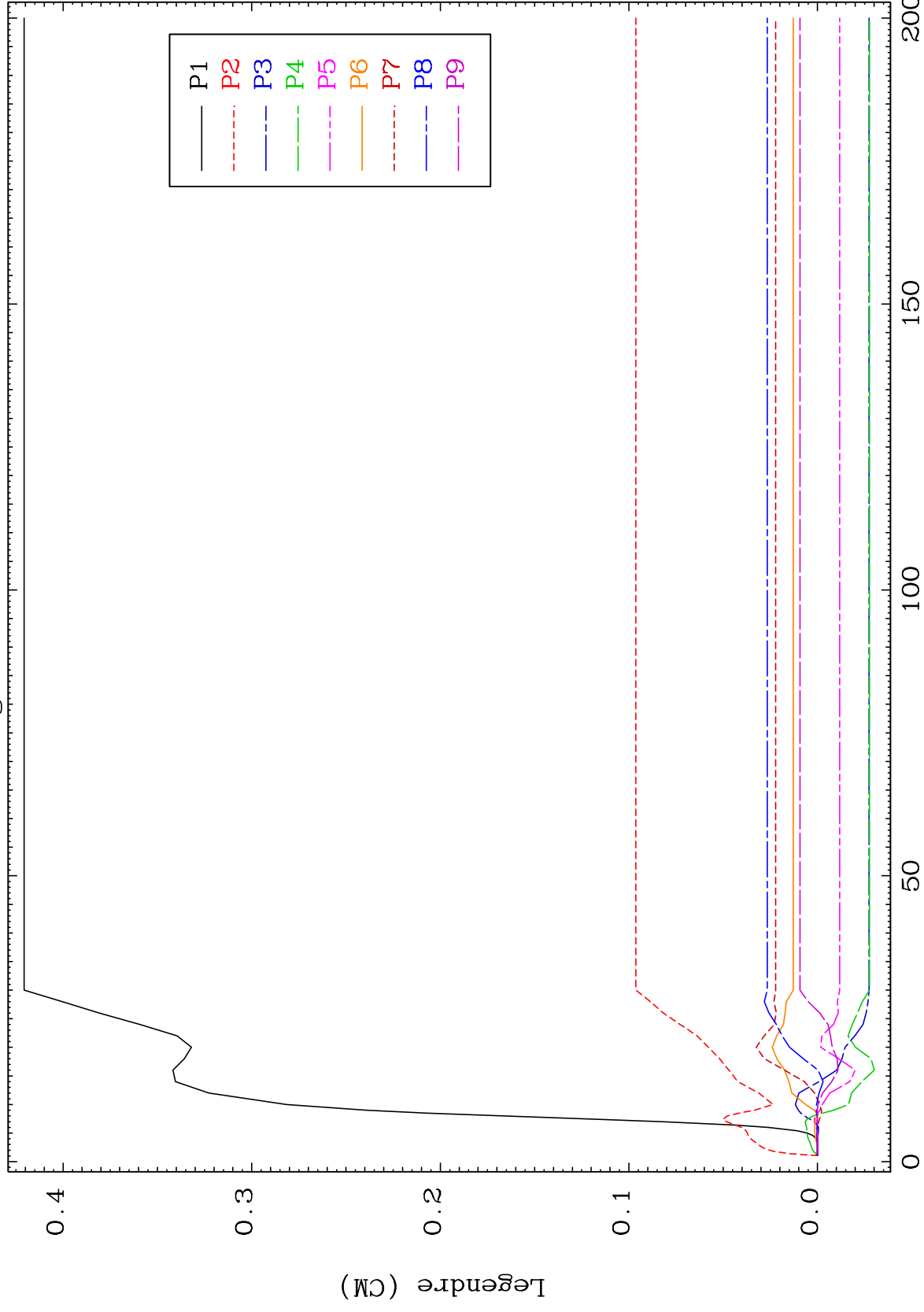
1.047 MeV (n,n') Level
Legendre Coefficients

53-I -129



58

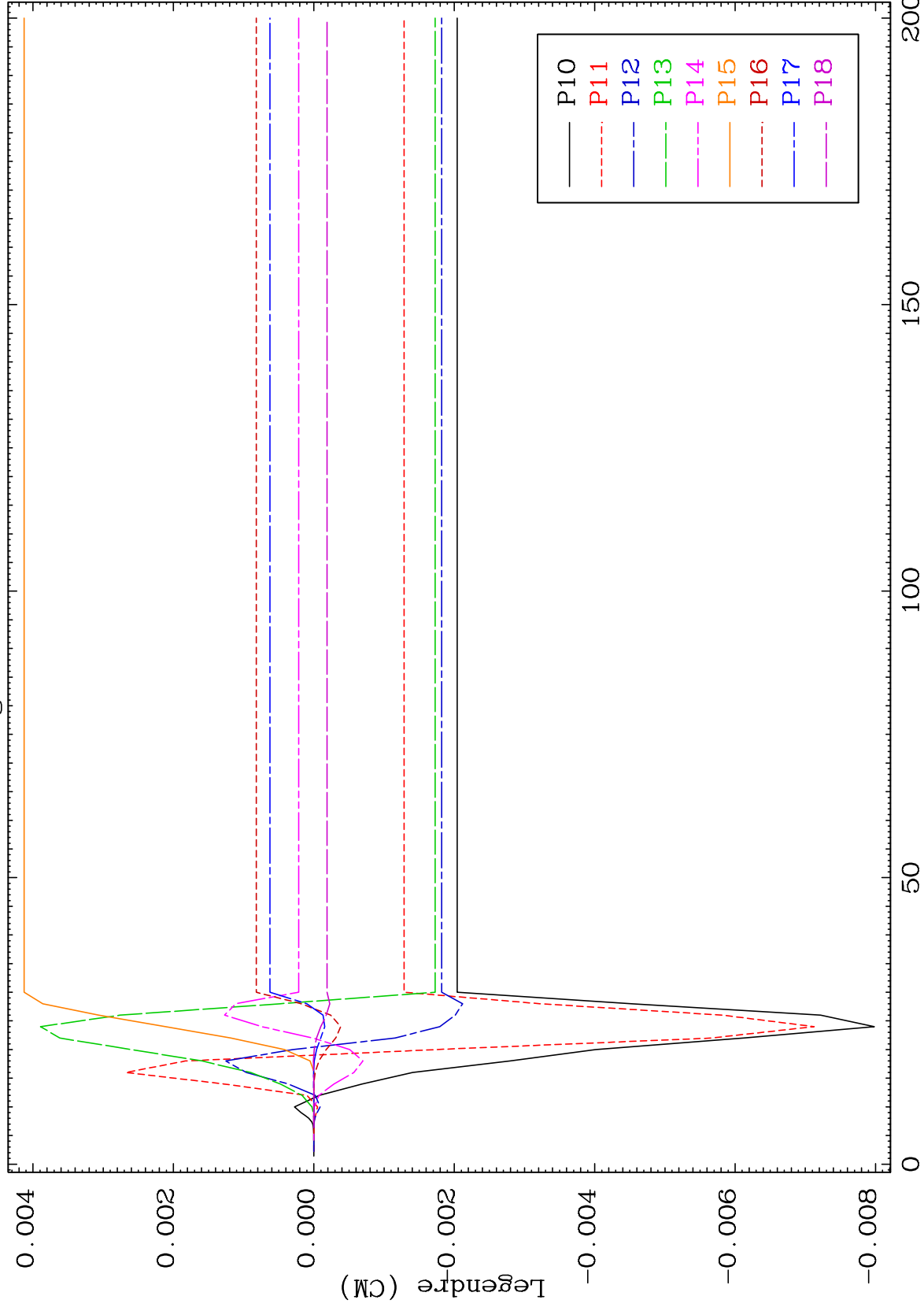
53-I -129



MAT 5331

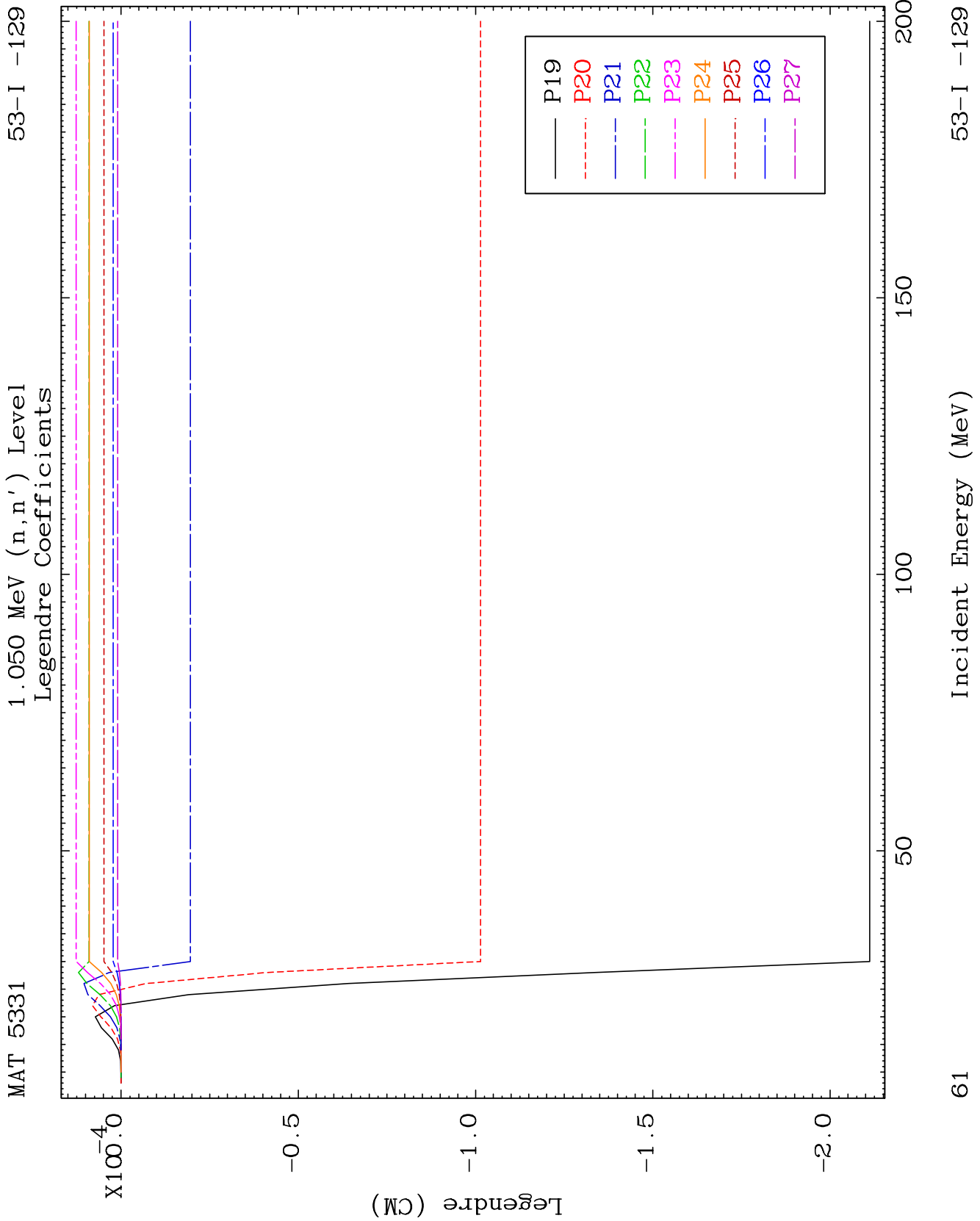
1.050 MeV (n,n') Level
Legendre Coefficients

53-I -129



Incident Energy (MeV)

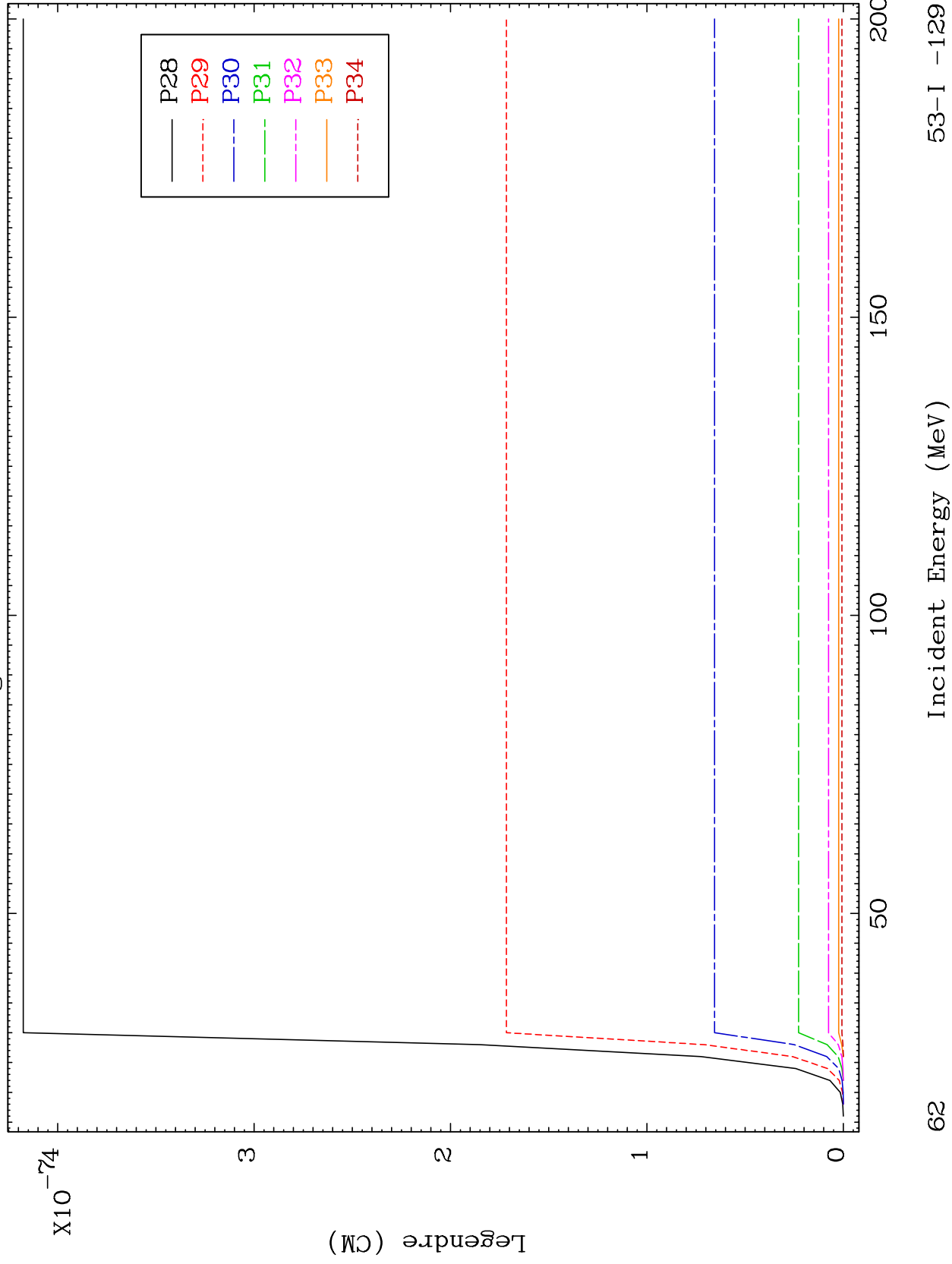
53-I -129



MAT 5331

1.050 MeV (n,n') Level
Legendre Coefficients

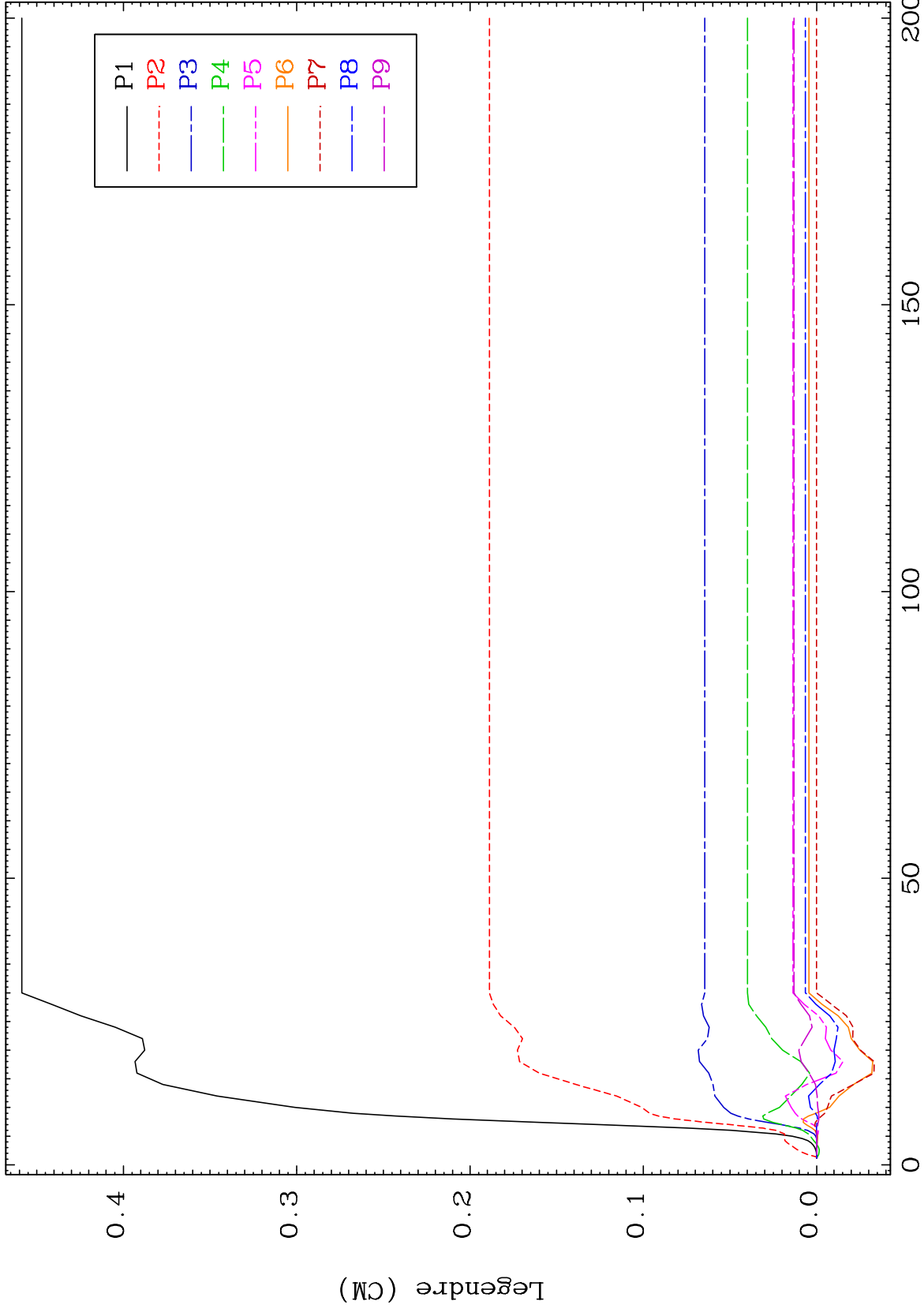
53-I -129

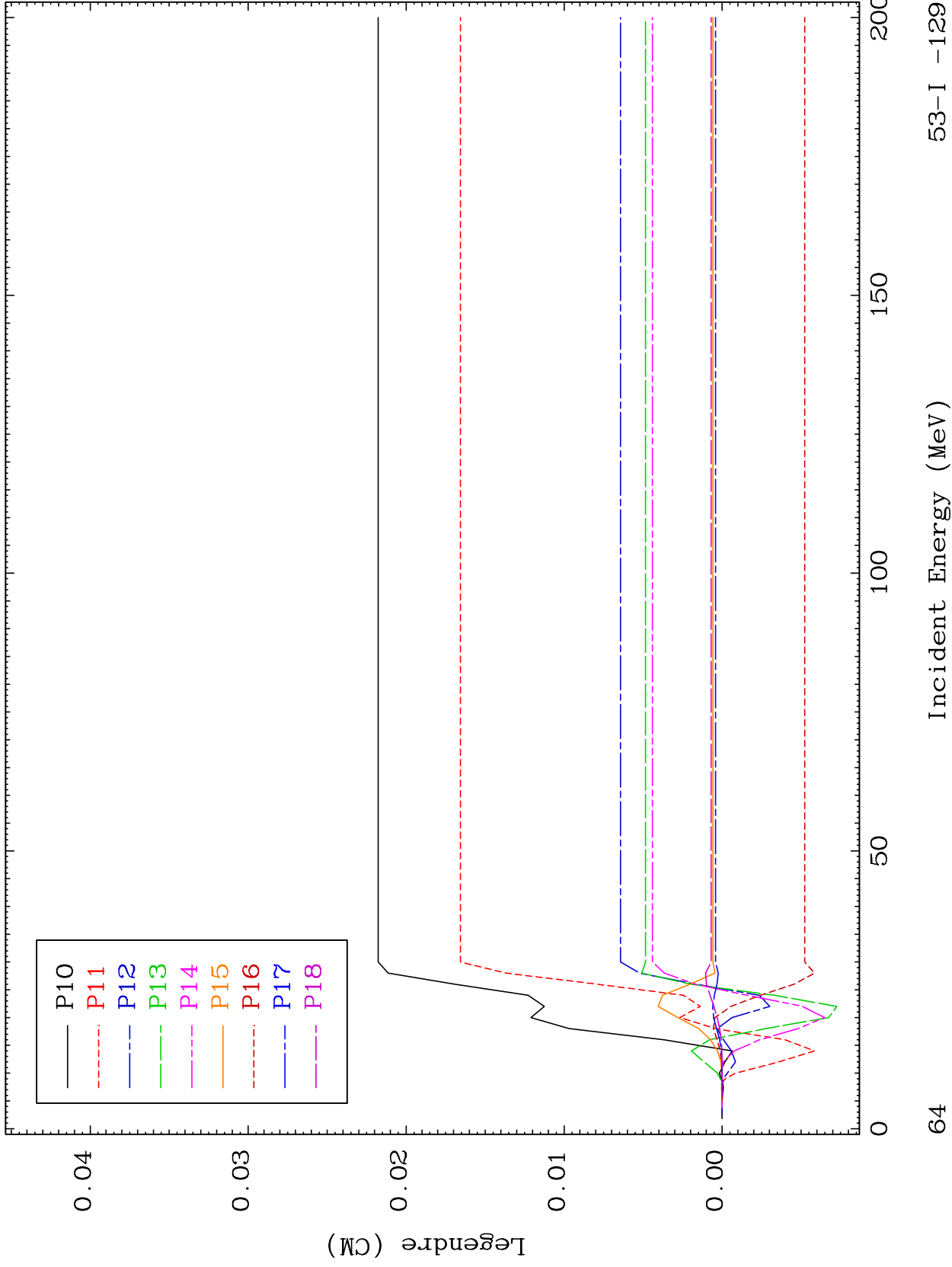


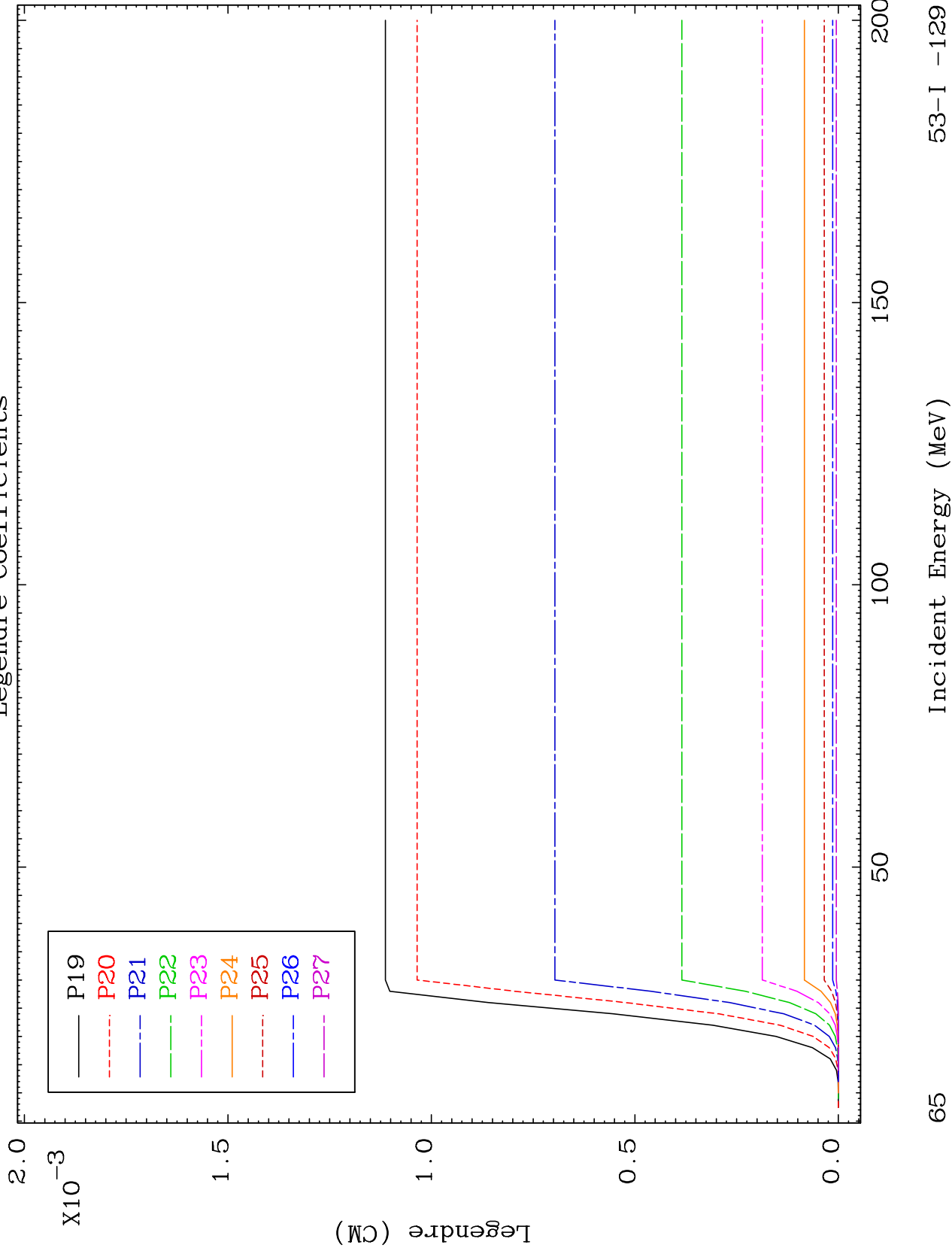
62

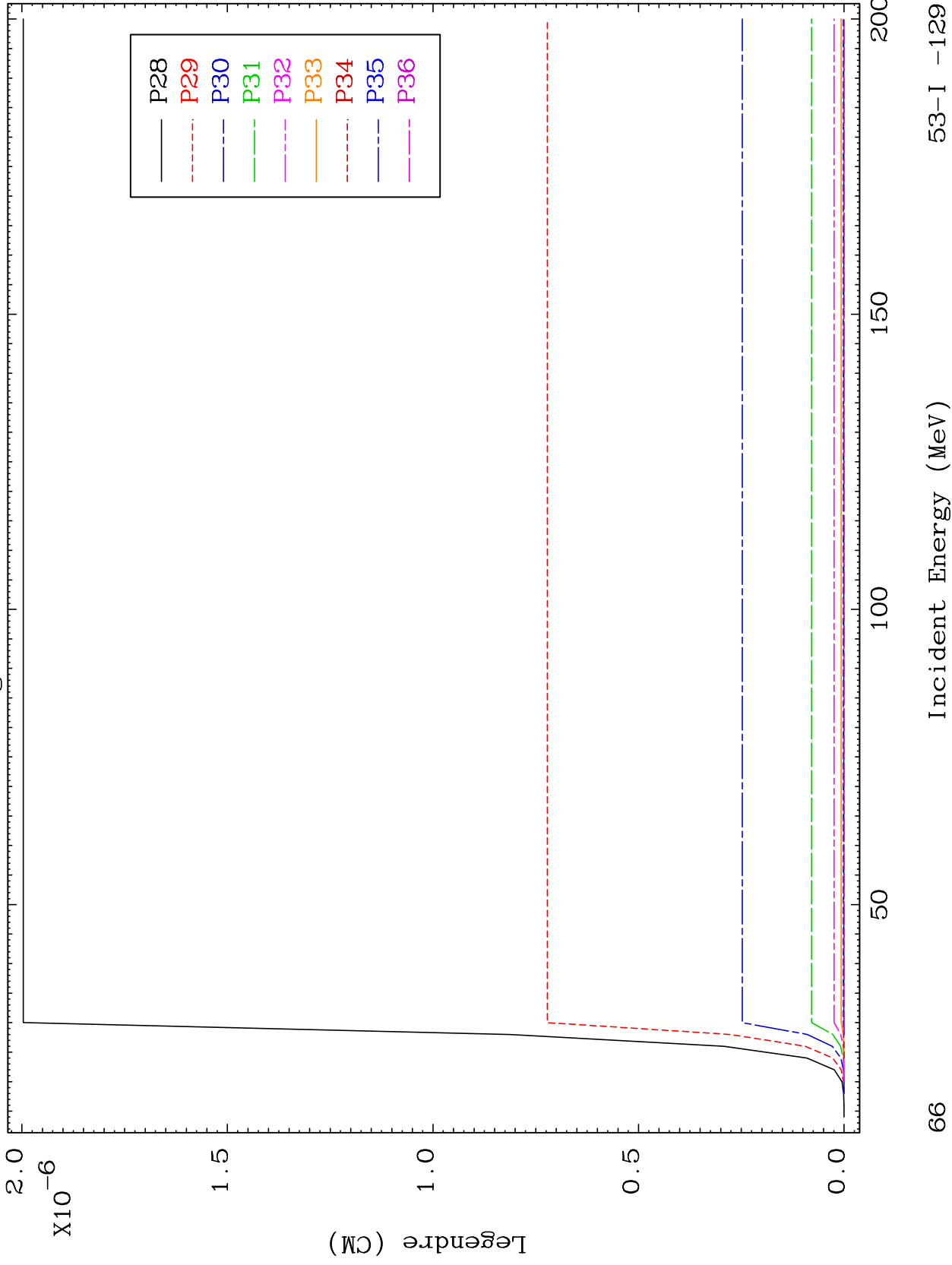
Incident Energy (MeV)

53-I -129





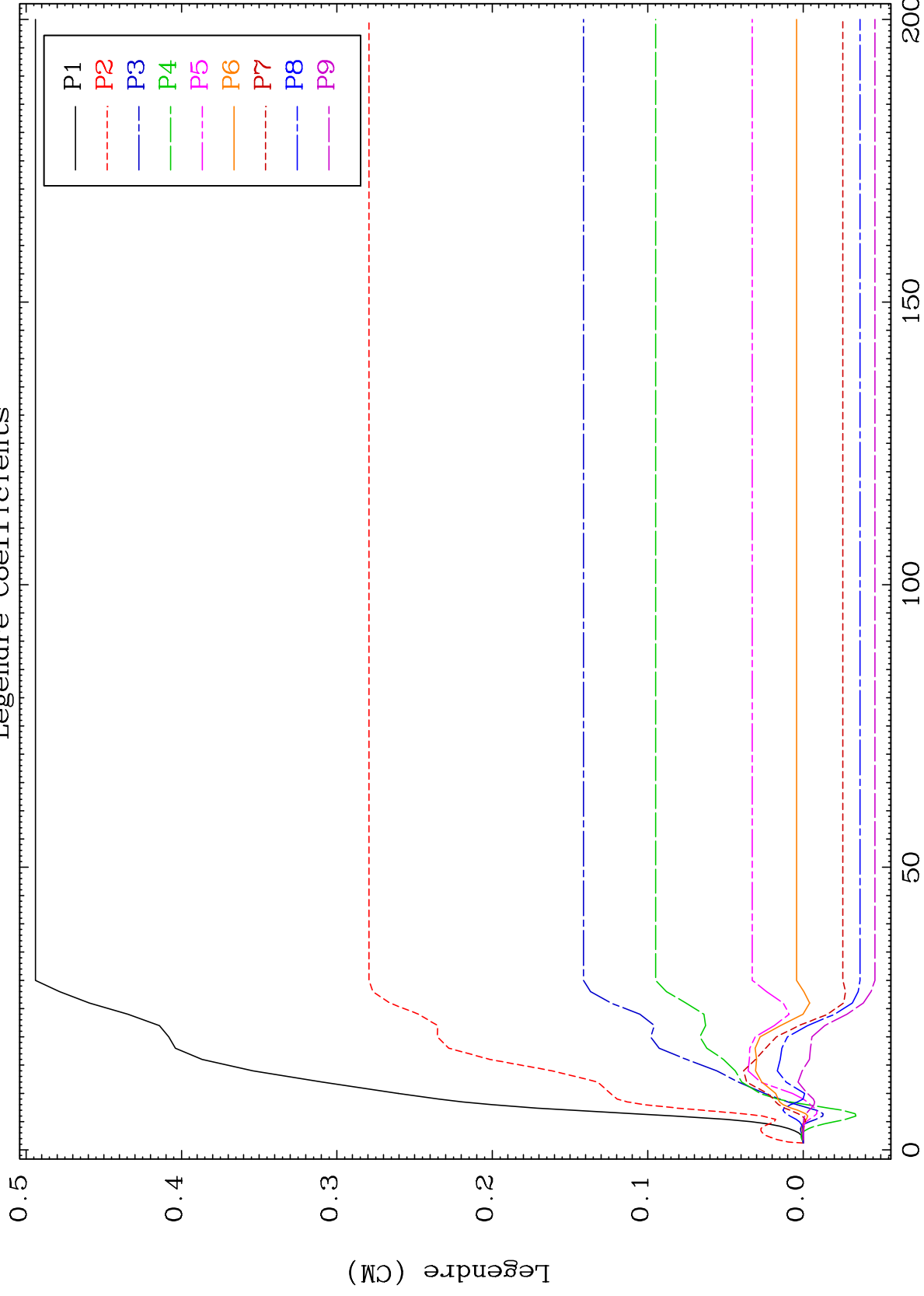




MAT 5331

1.197 MeV (n,n') Level
Legendre Coefficients

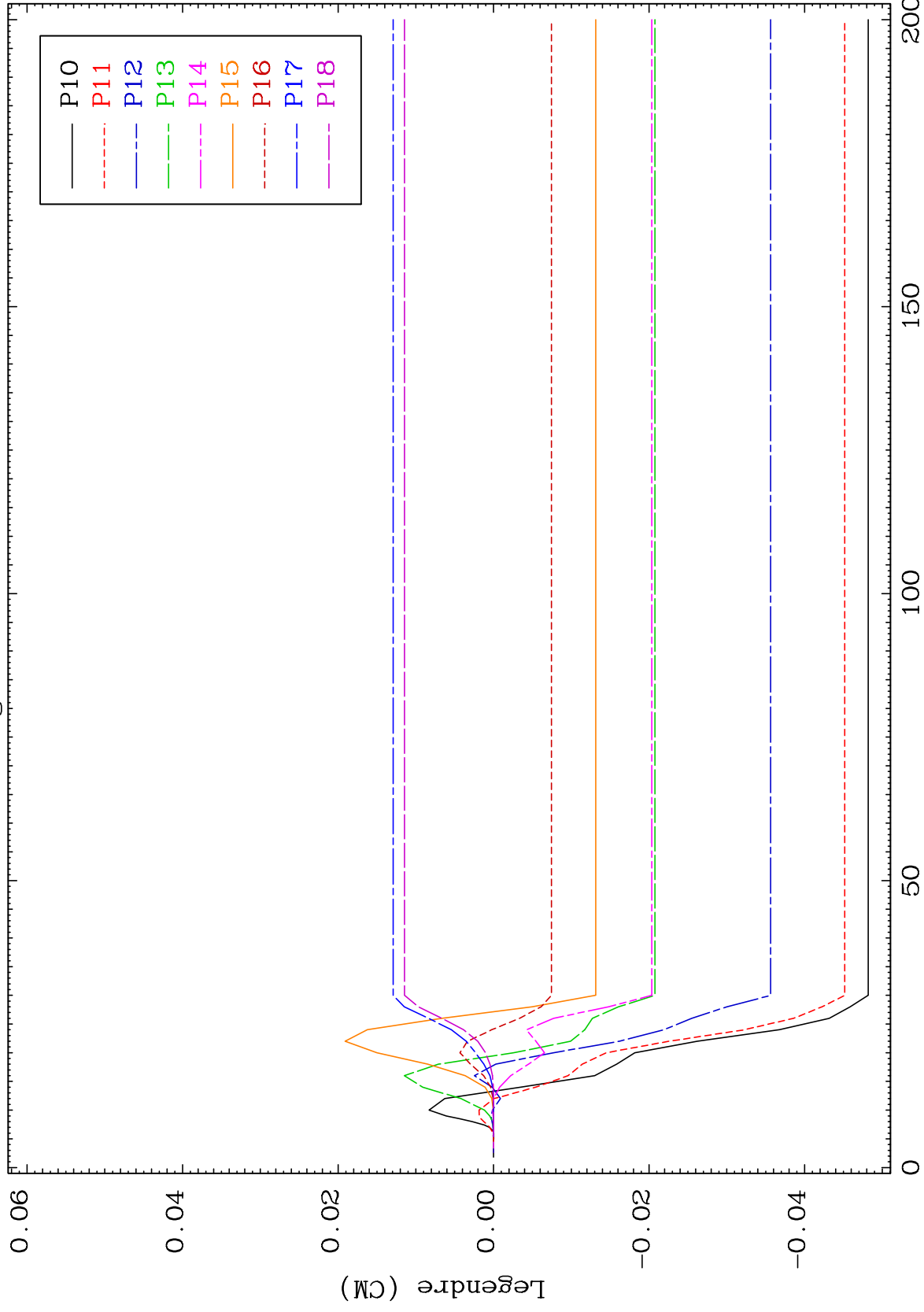
53-I -129

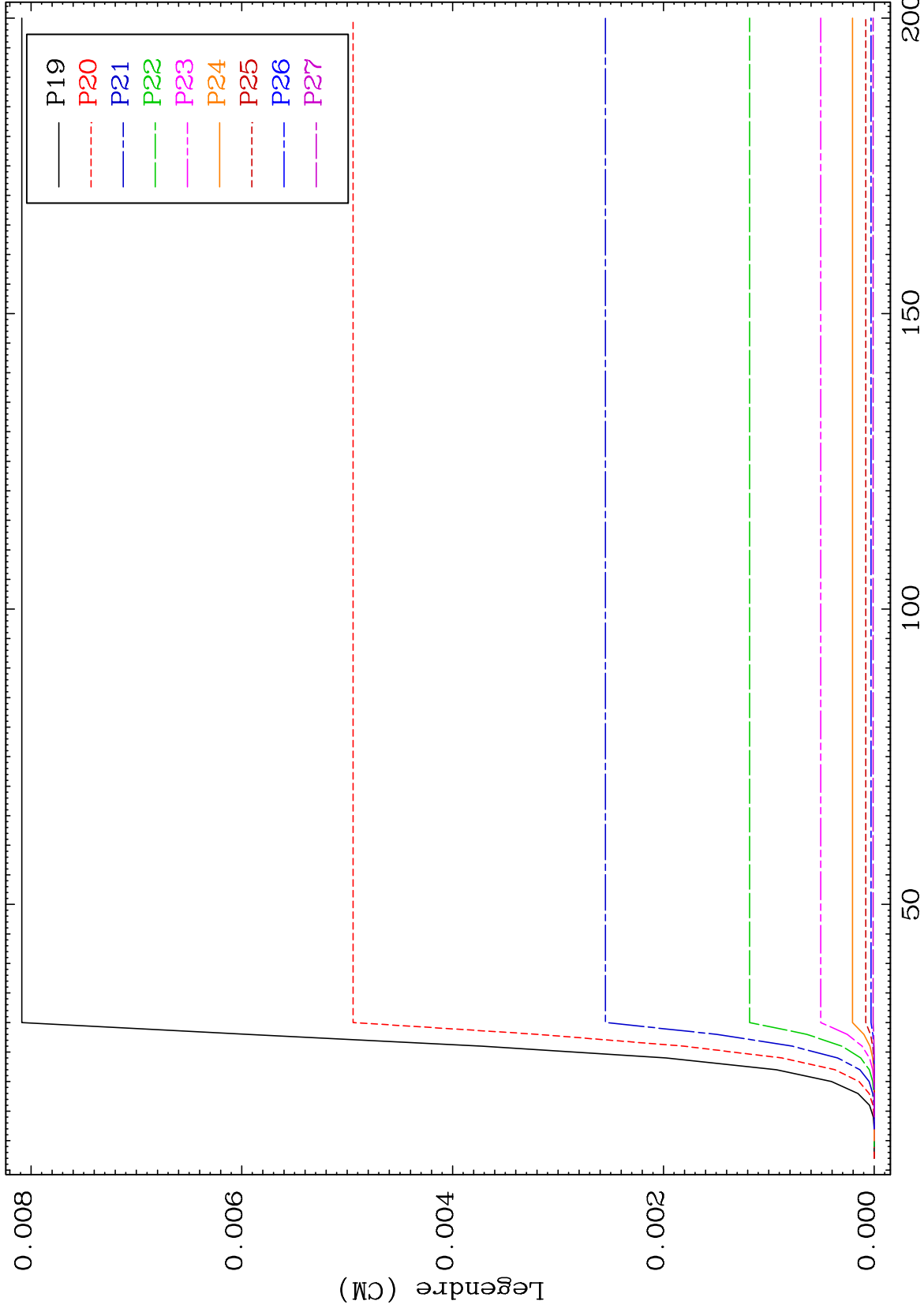


67

Incident Energy (MeV)

53-I -129

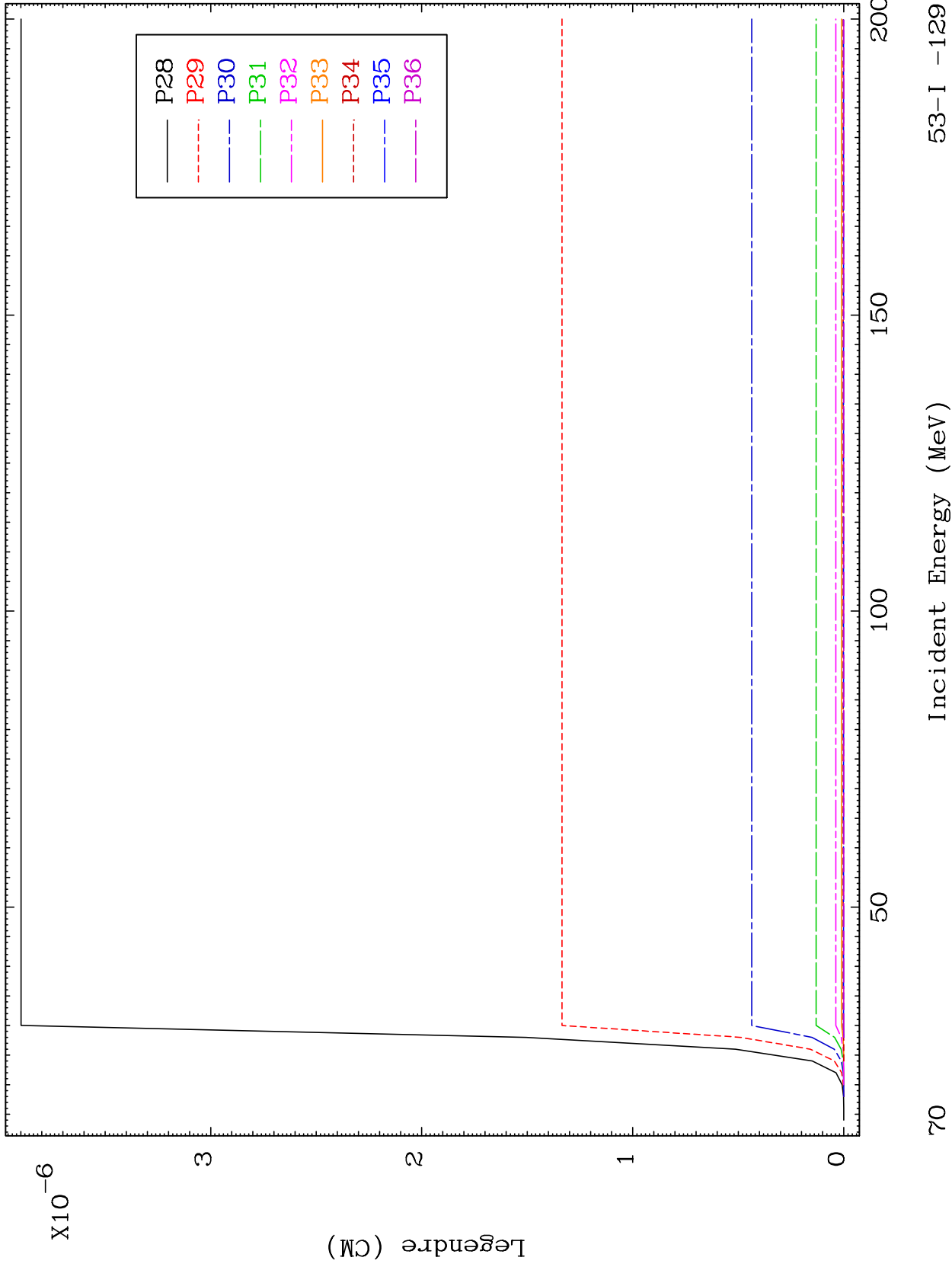


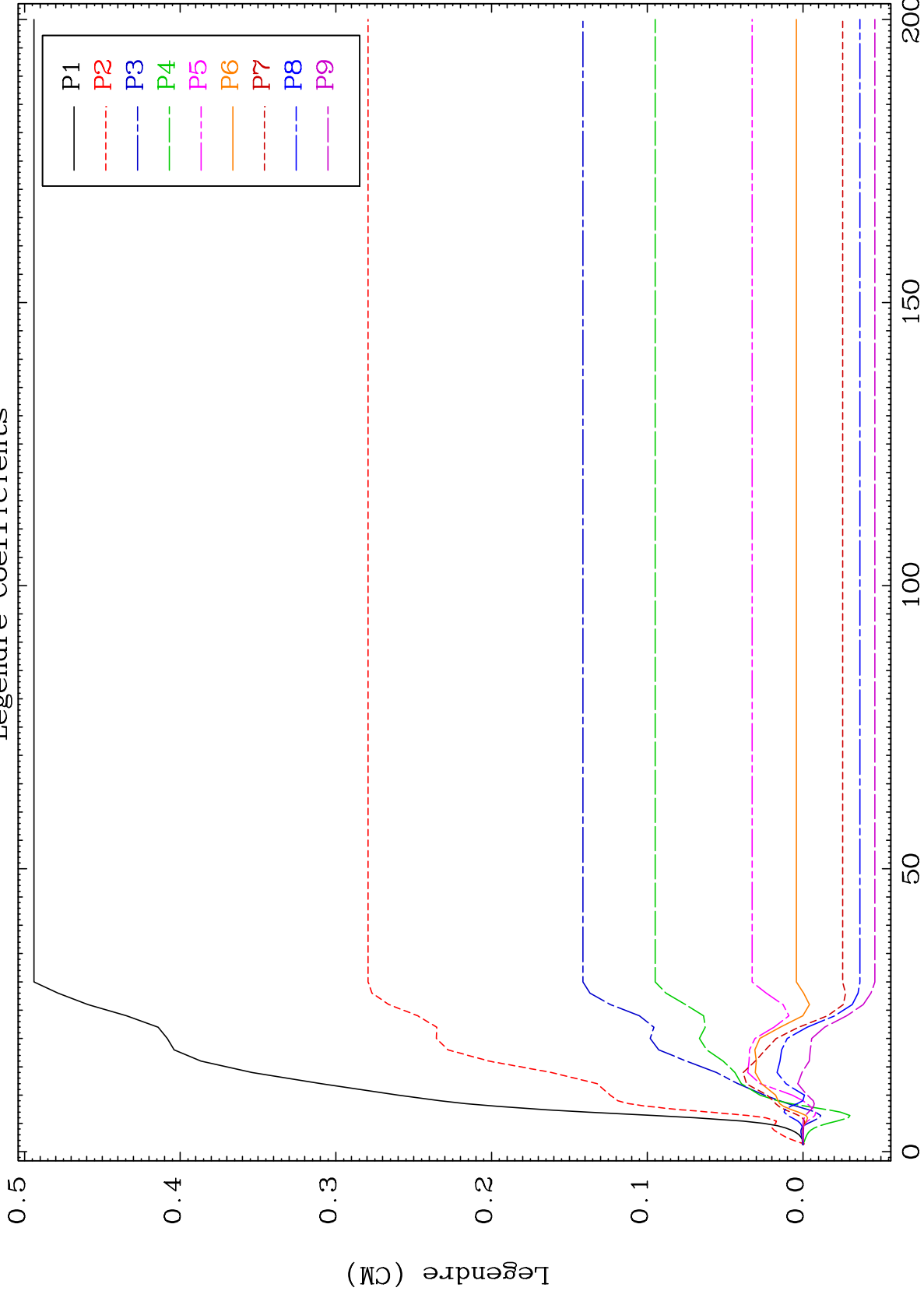


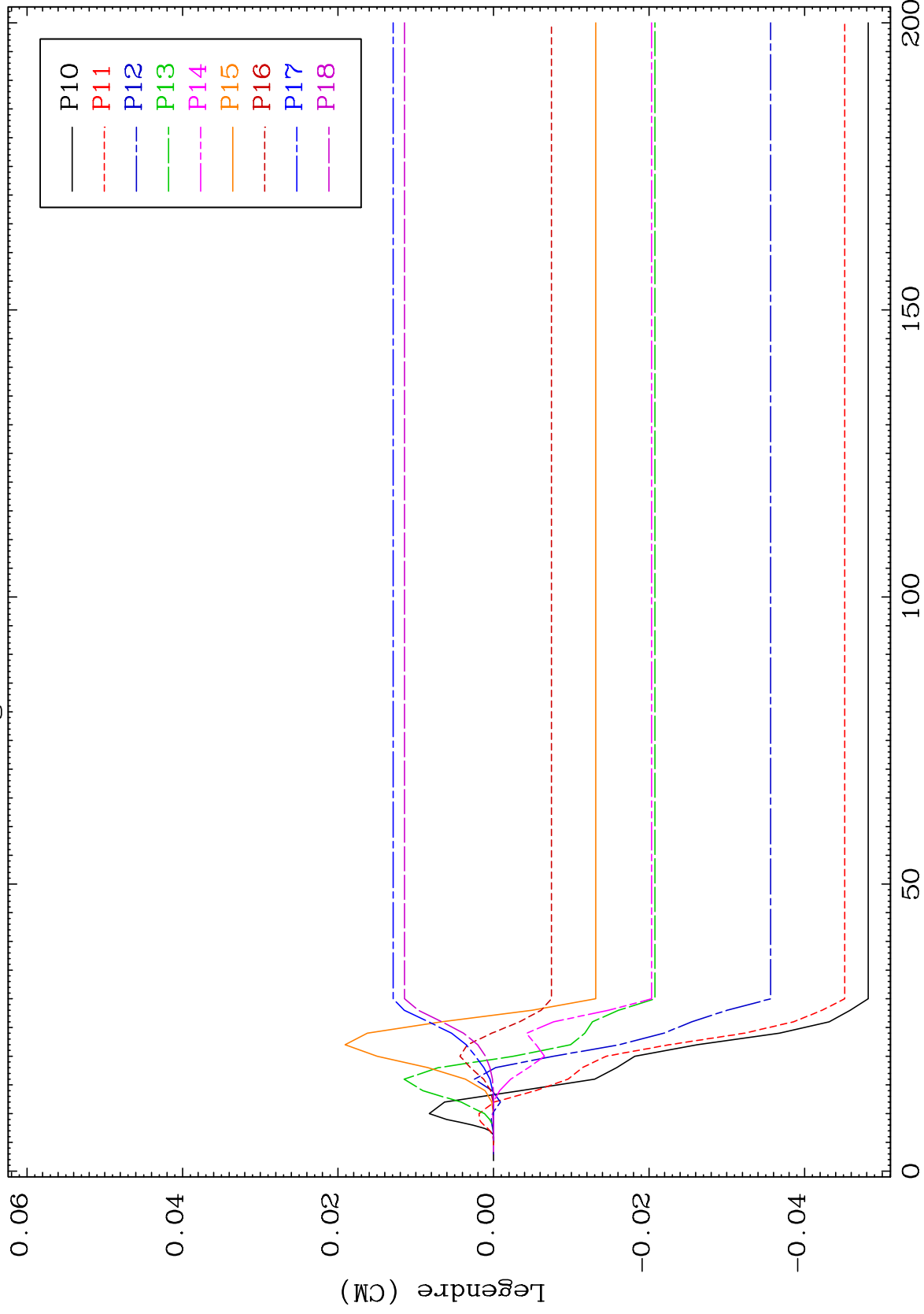
MAT 5331

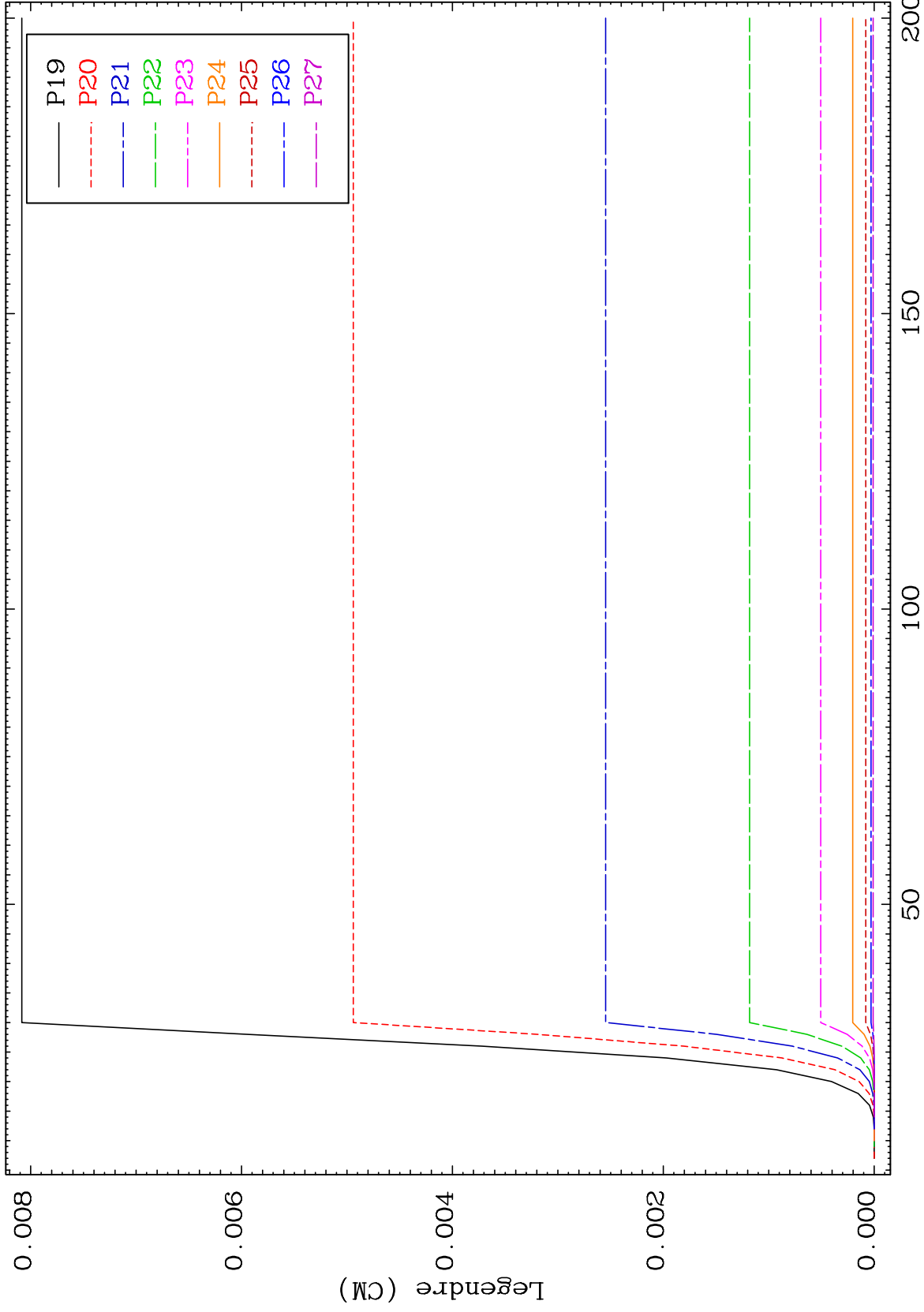
1.197 MeV (n,n') Level
Legendre Coefficients

53-I -129





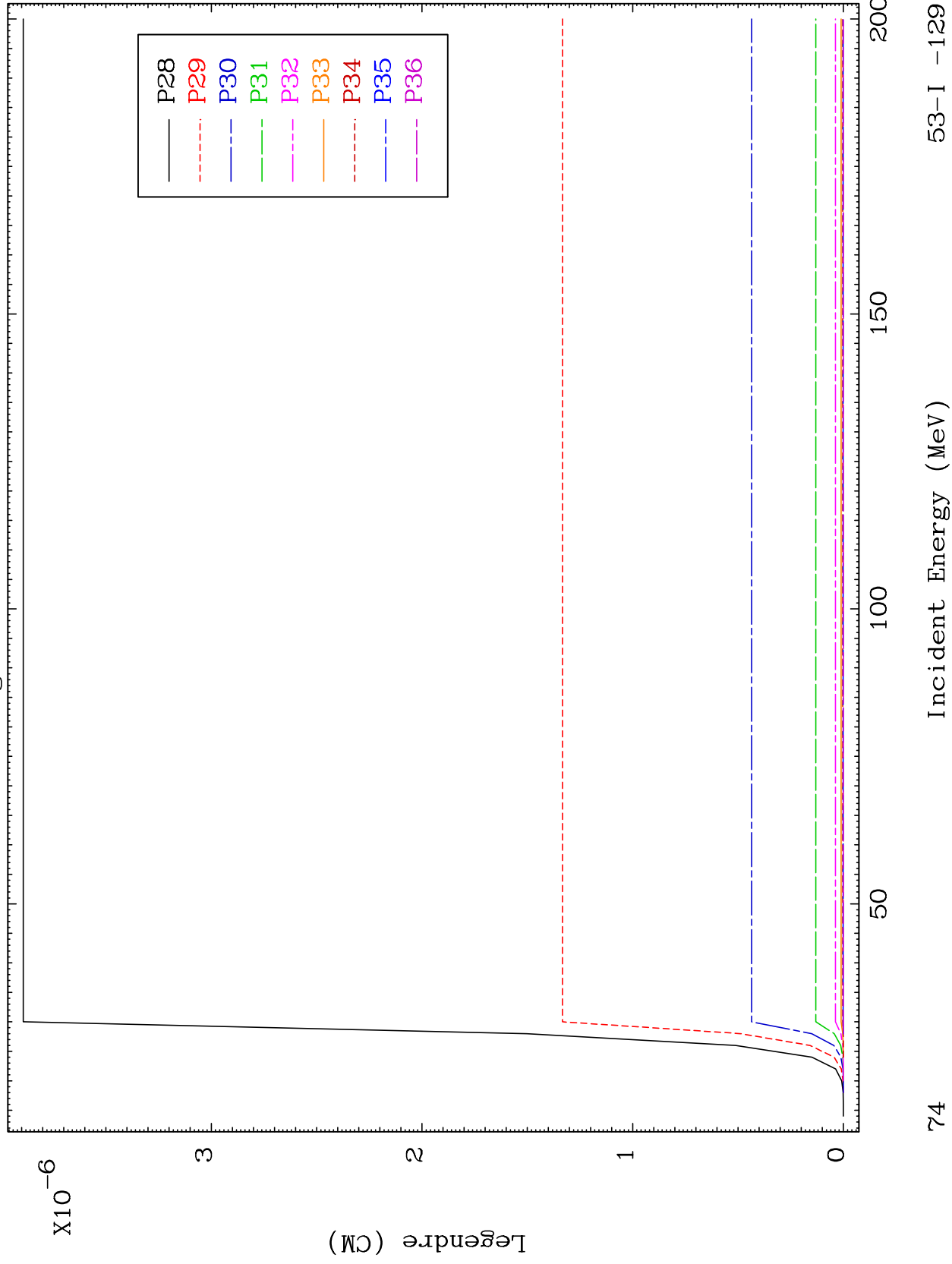




MAT 5331

1.204 MeV (n,n') Level
Legendre Coefficients

53-I -129



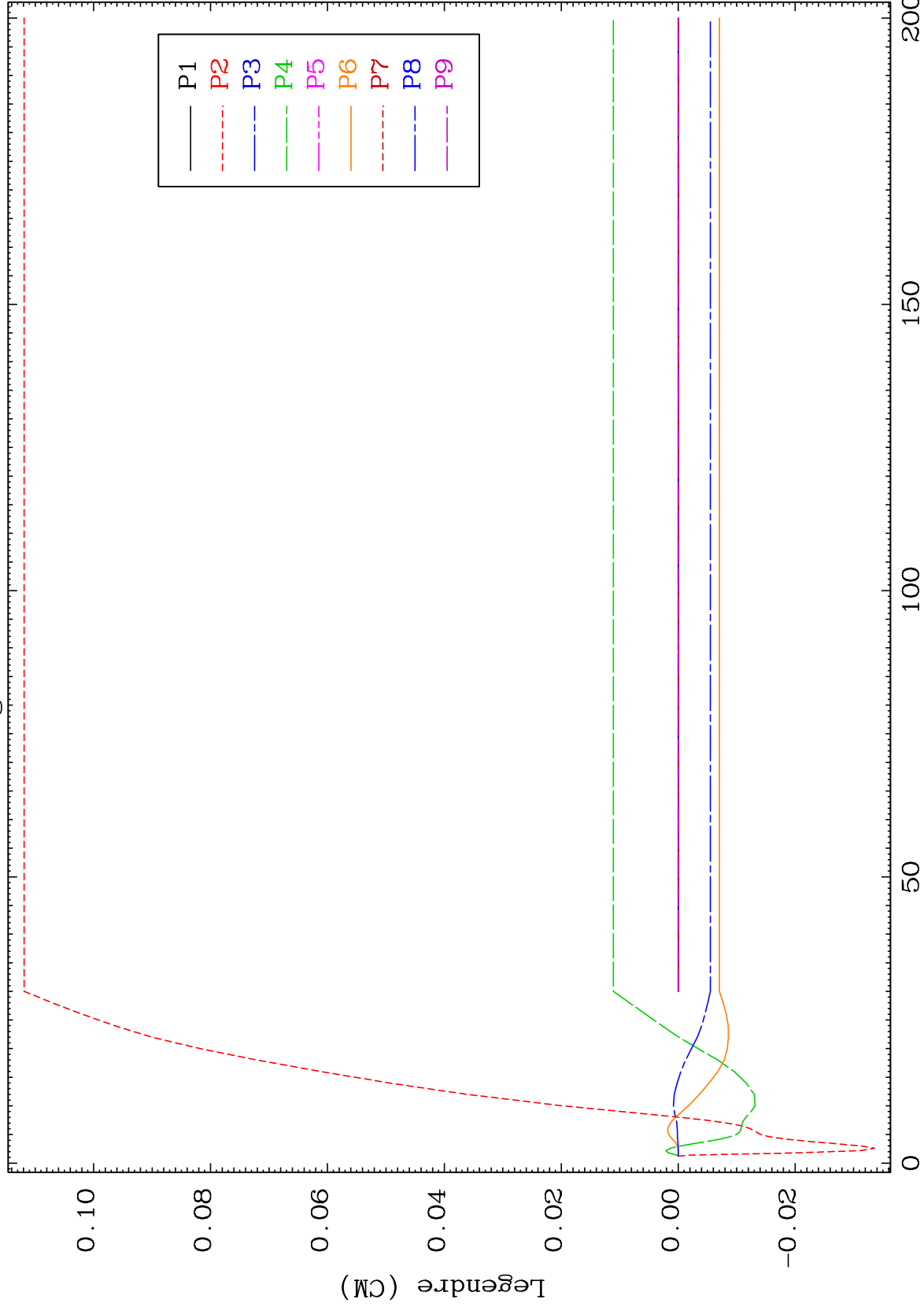
74

53-I -129

MAT 5331

1.210 MeV (n,n') Level
Legendre Coefficients

53-I -129



75

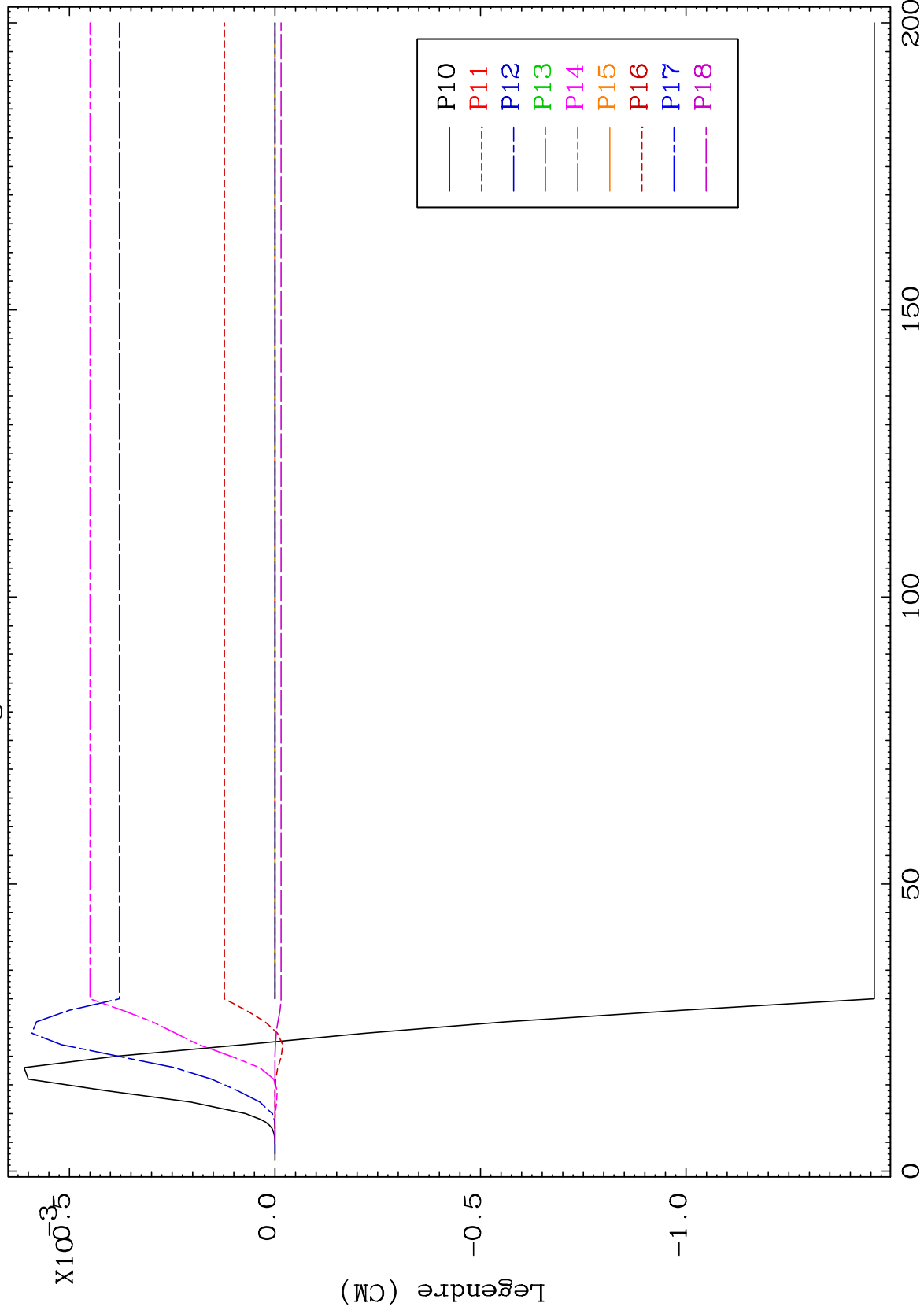
Incident Energy (MeV)

53-I -129

MAT 5331

1.210 MeV (n,n') Level
Legendre Coefficients

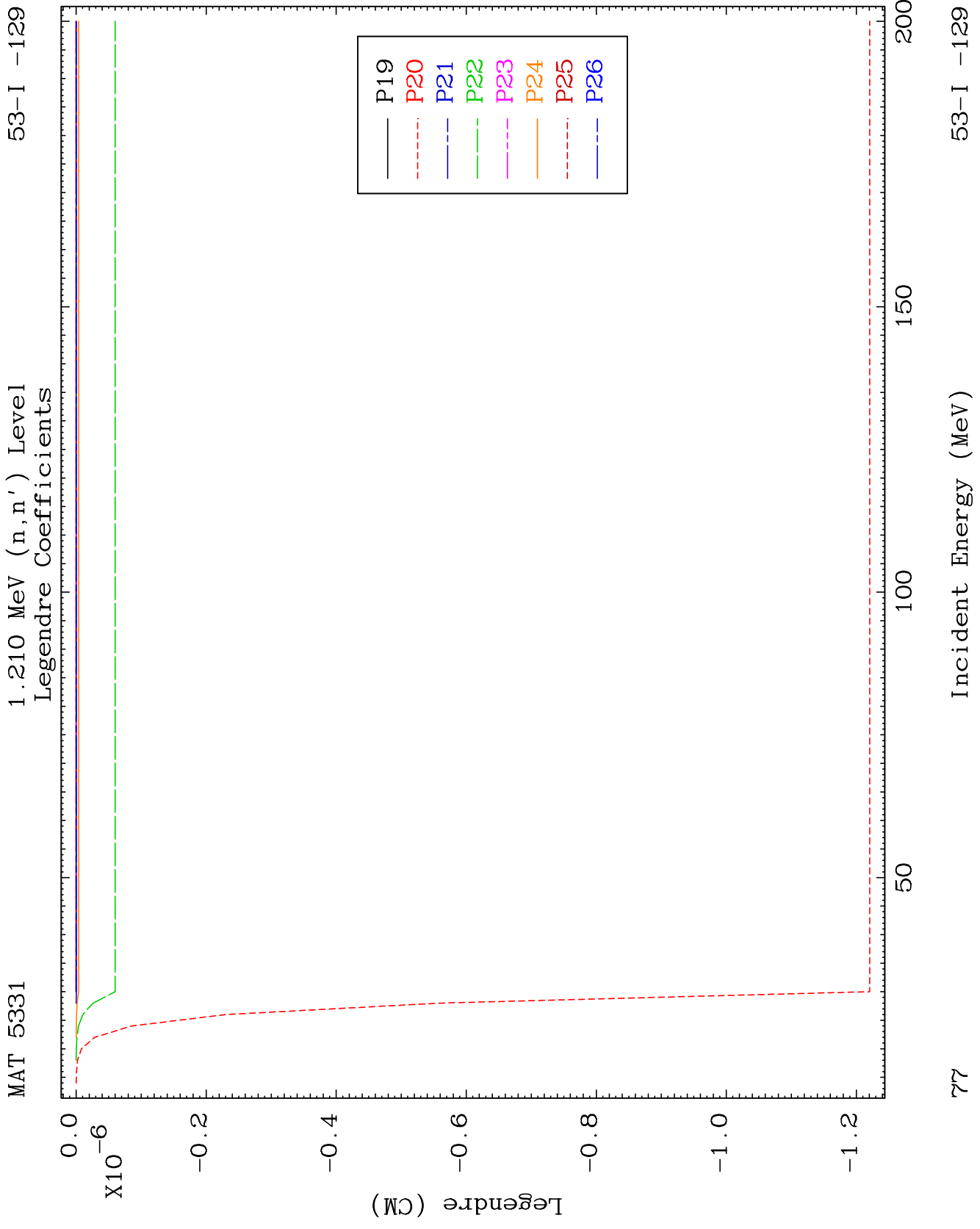
53-I -129

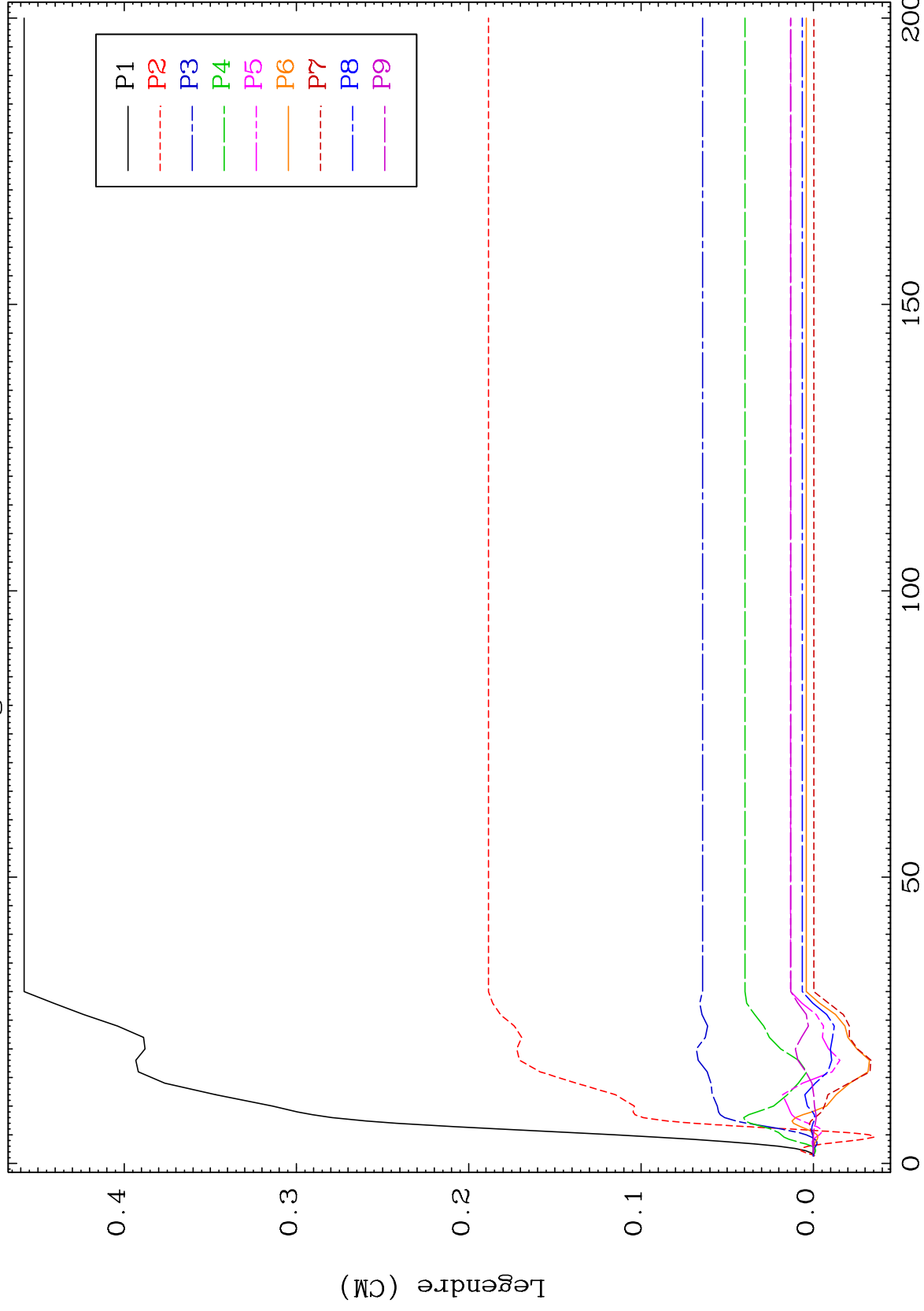


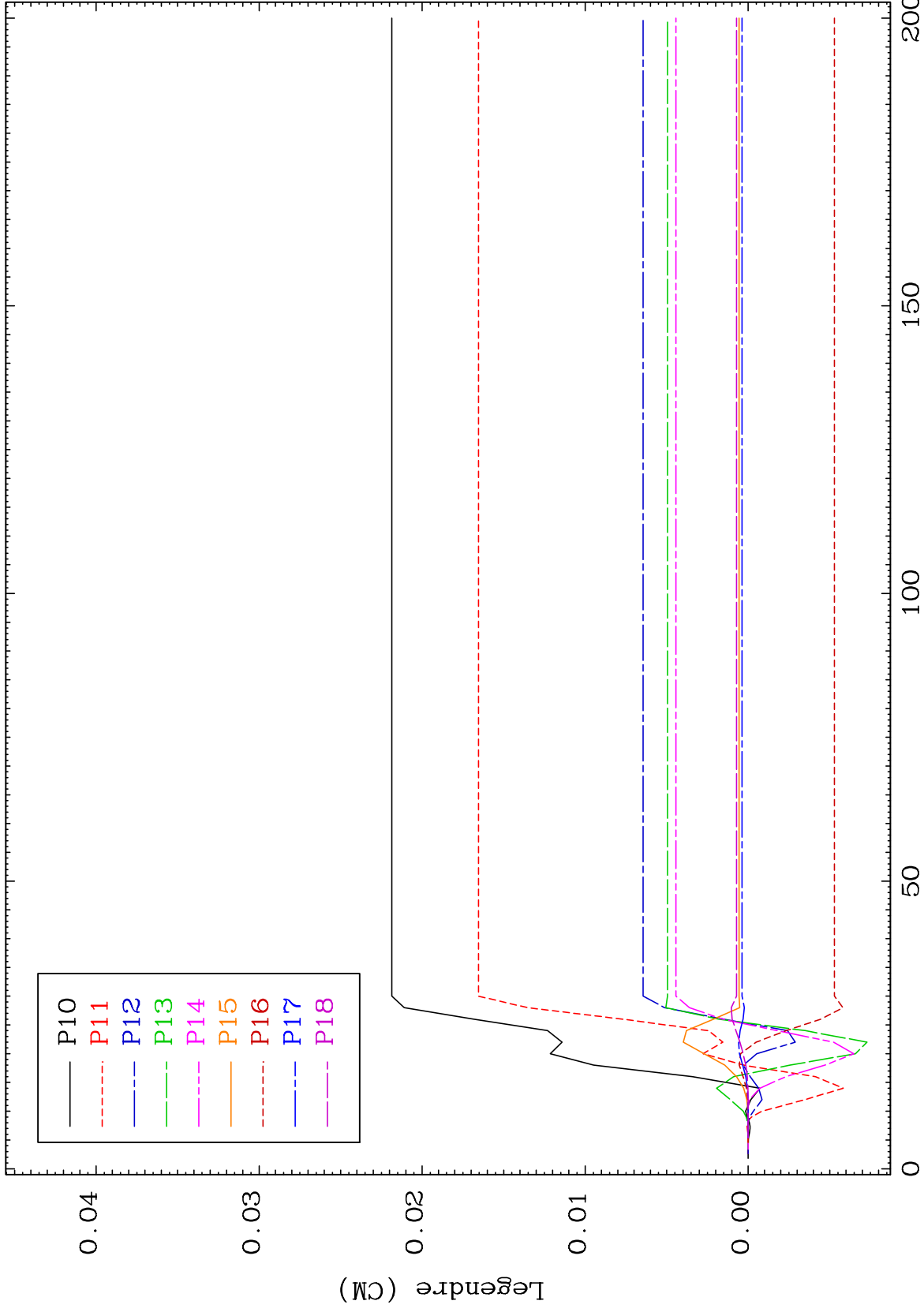
76

Incident Energy (MeV)

53-I -129



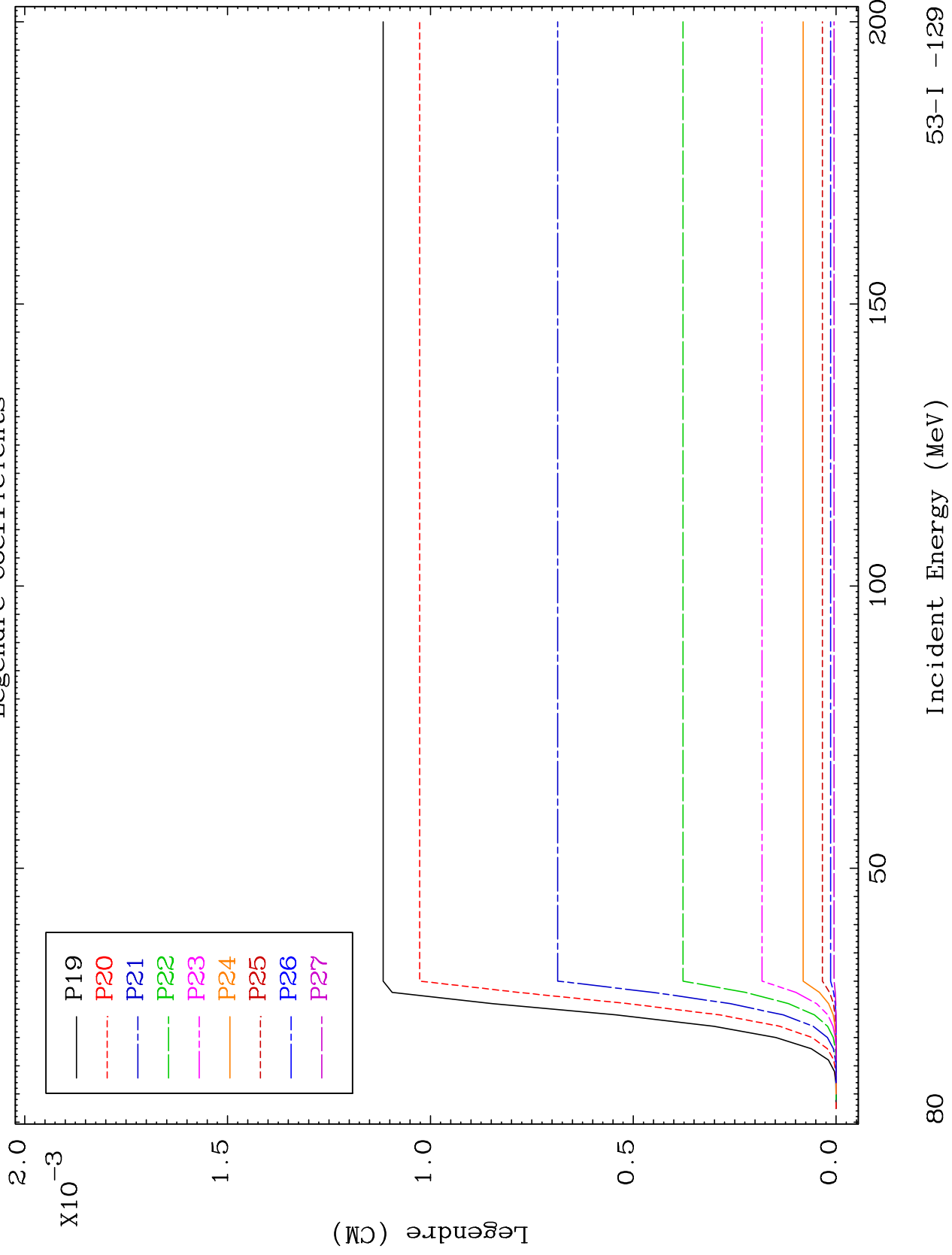




MAT 5331

1.261 MeV (n,n') Level
Legendre Coefficients

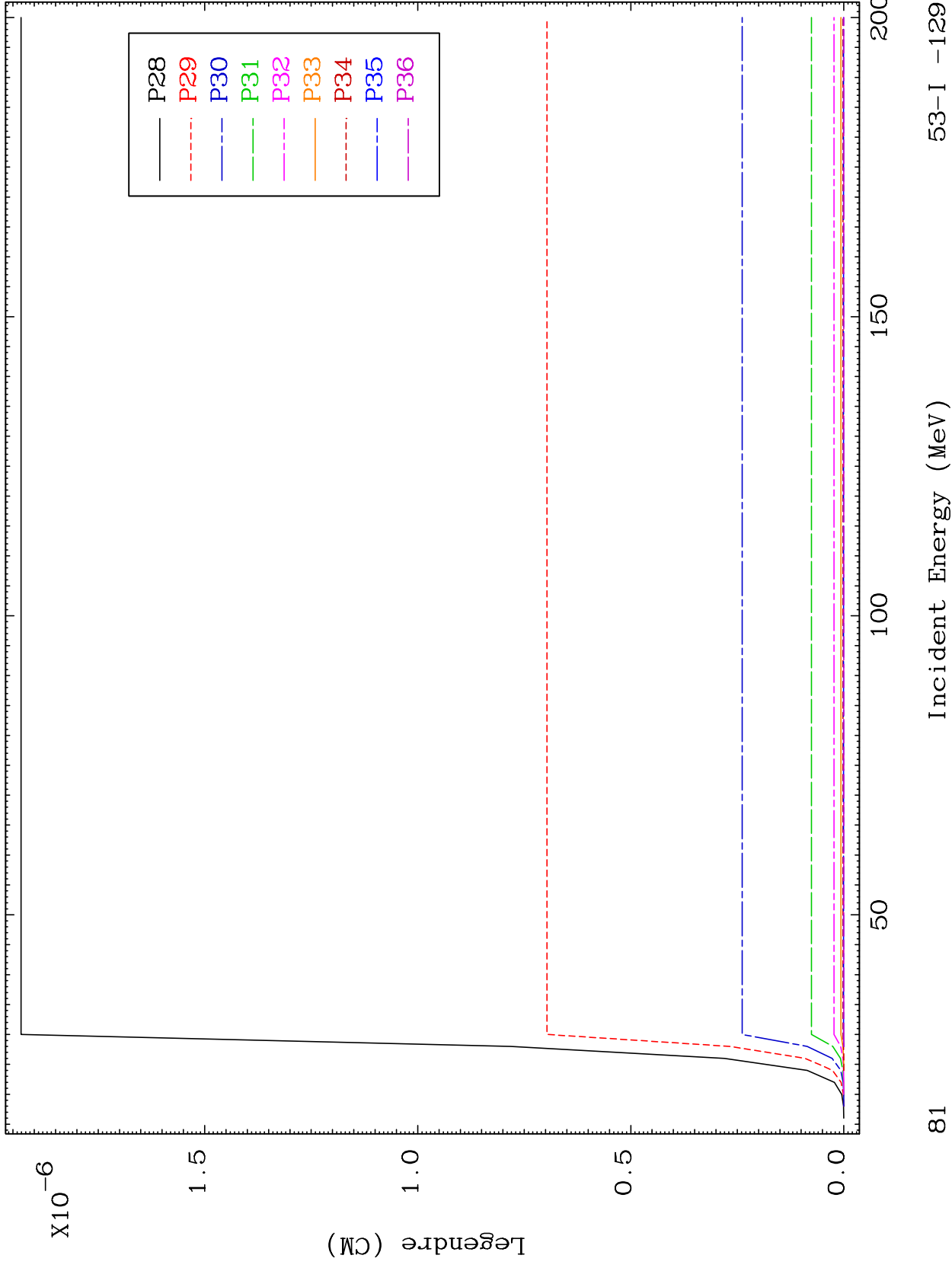
53-I -129

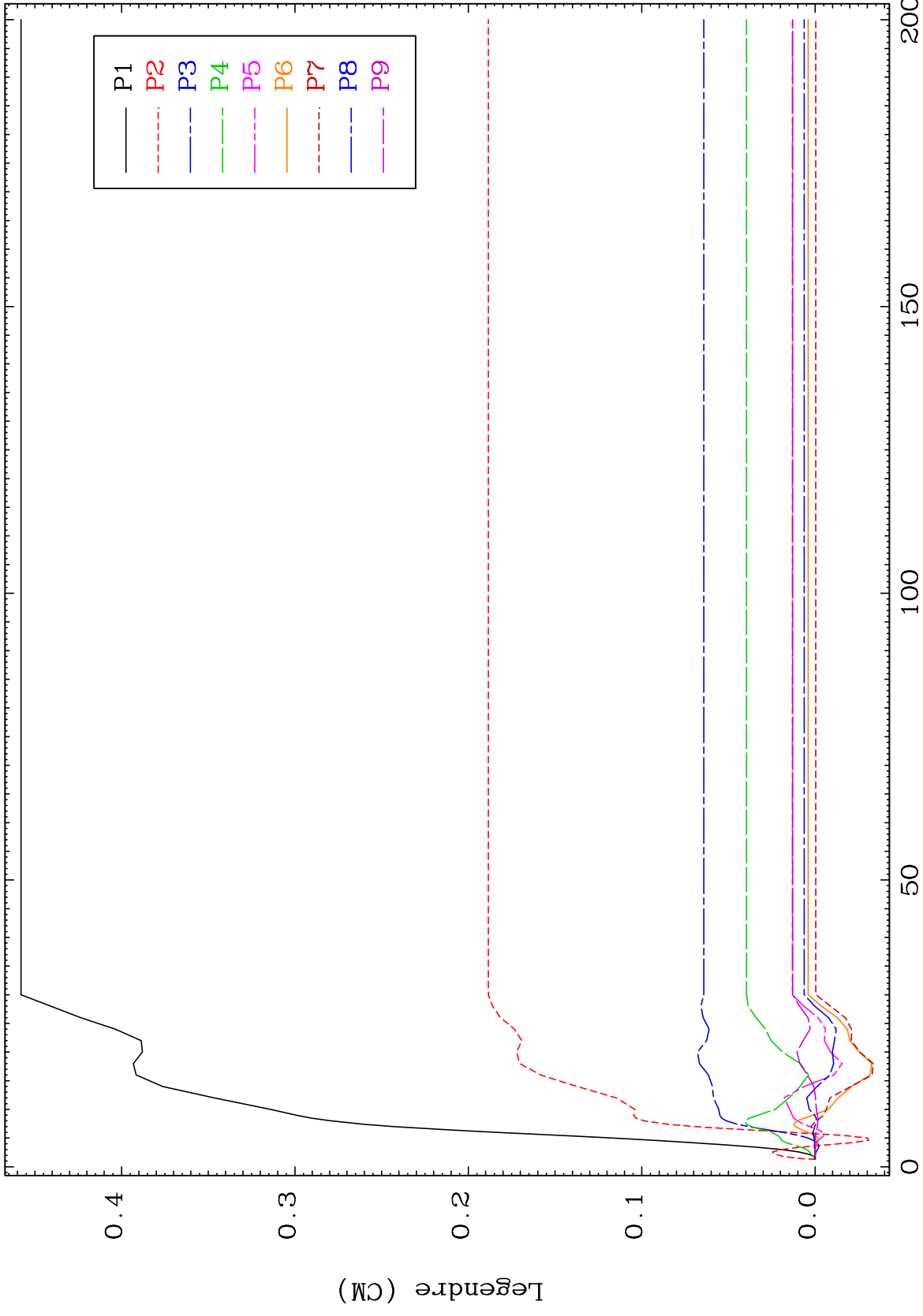


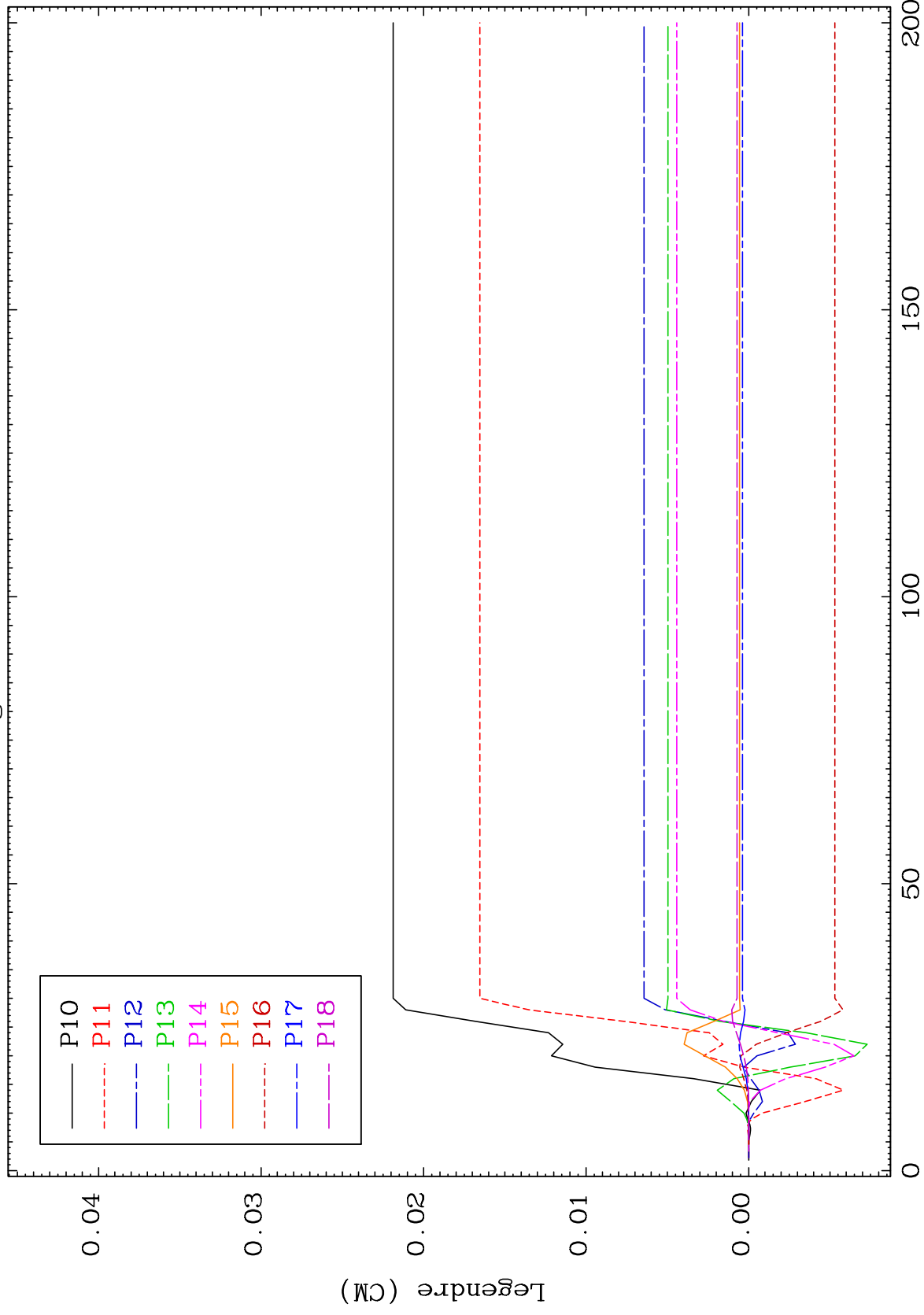
80

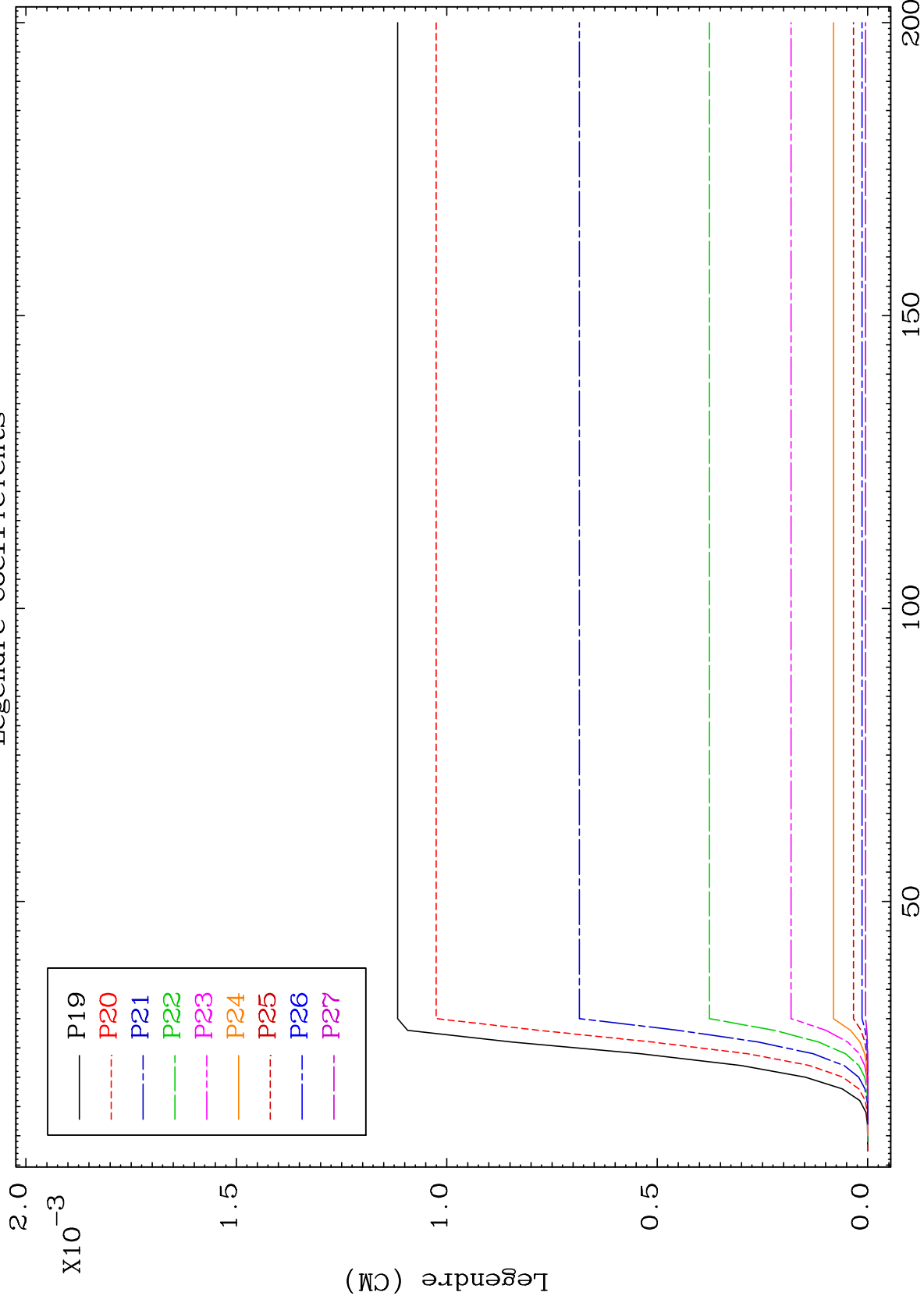
Incident Energy (MeV)

53-I -129





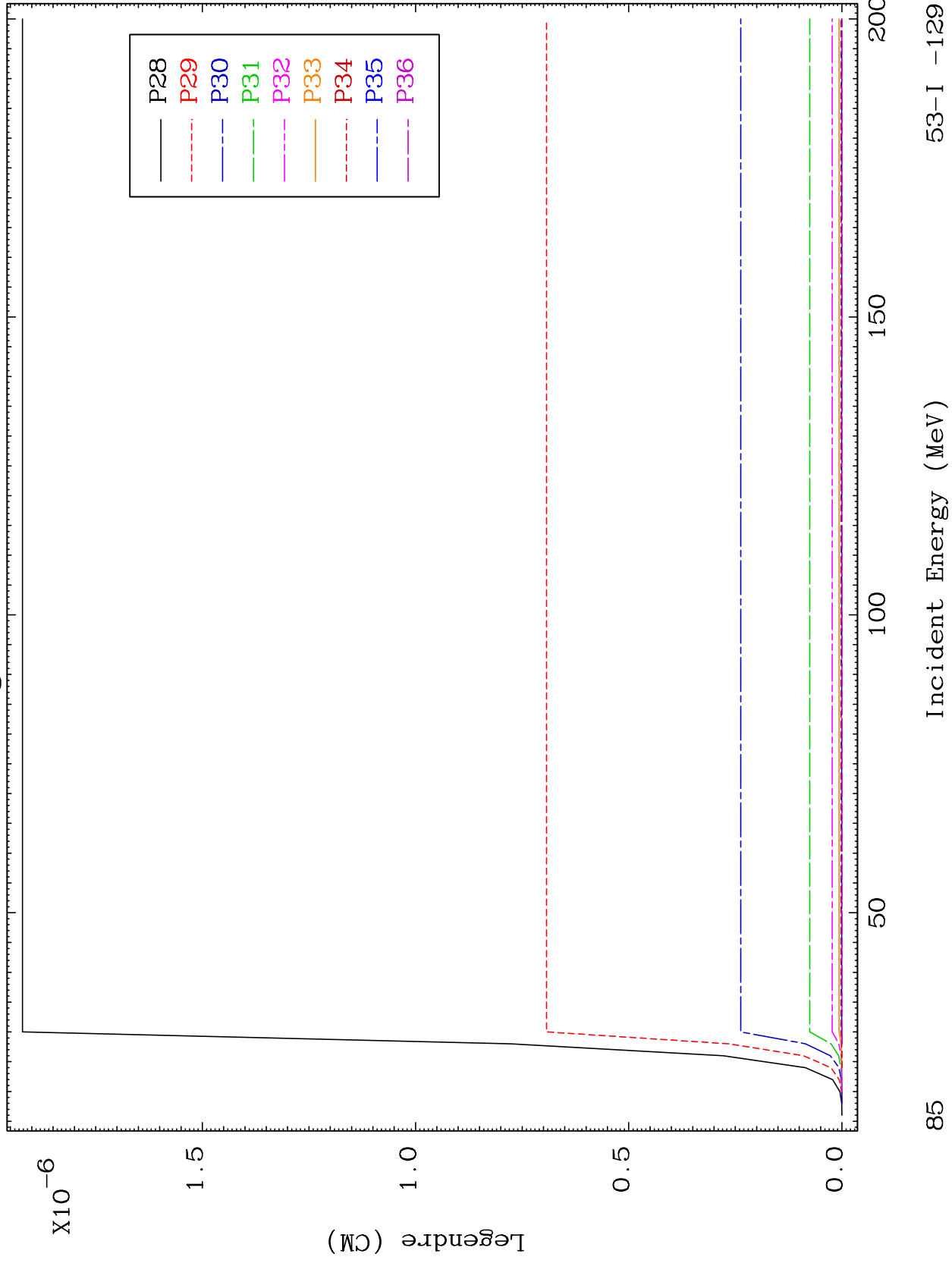




MAT 5331

1.282 MeV (n,n') Level
Legendre Coefficients

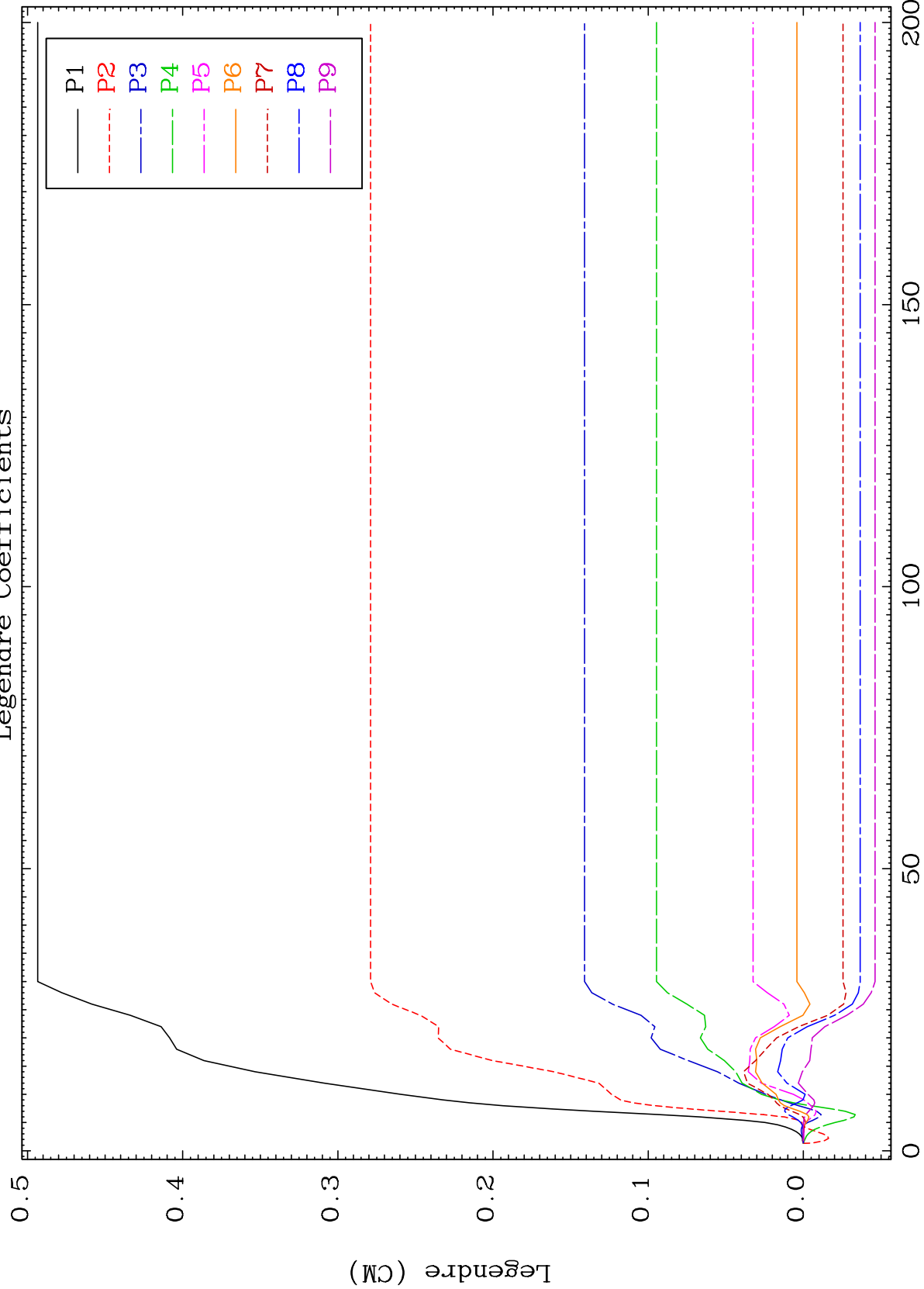
53-I -129

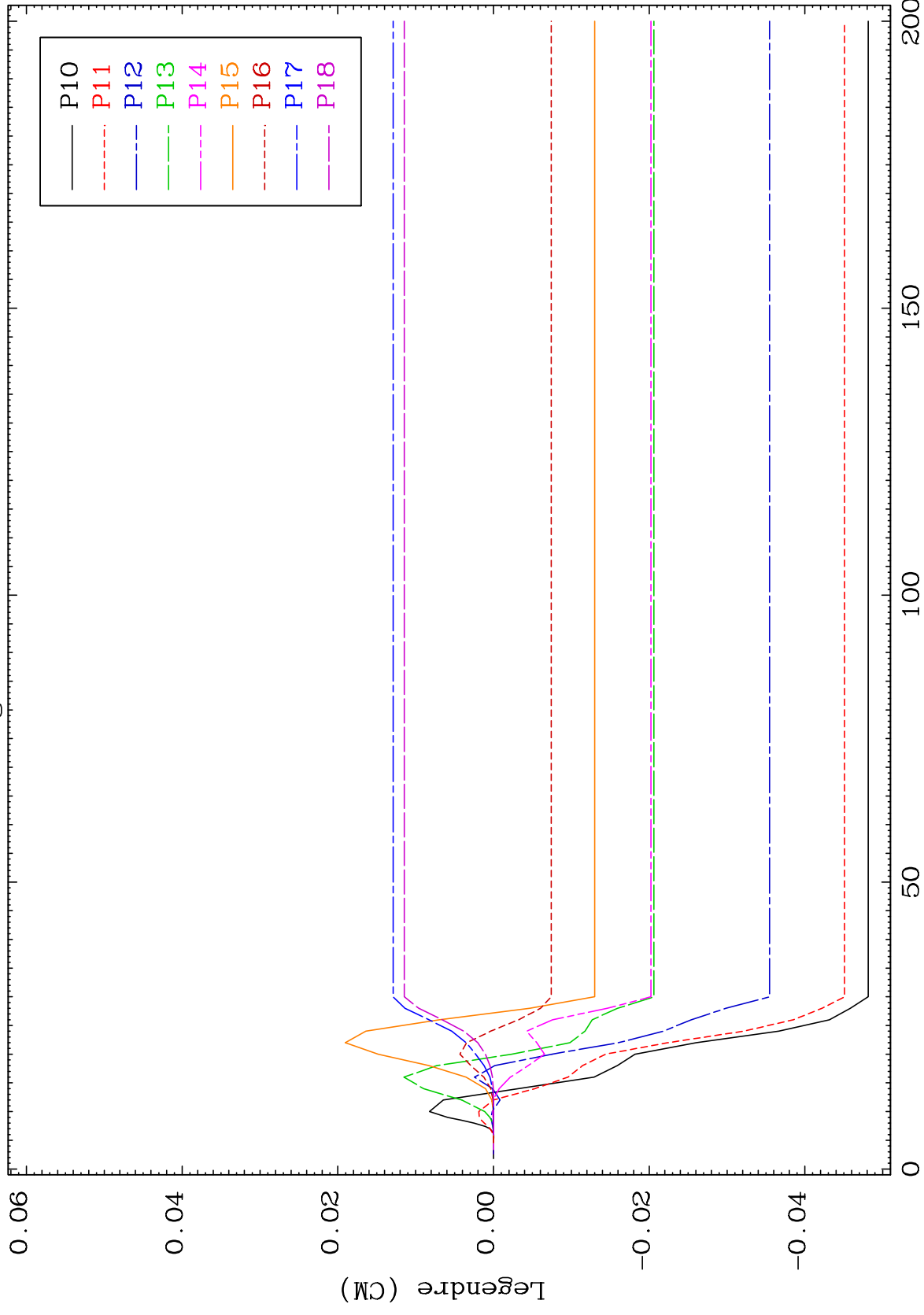


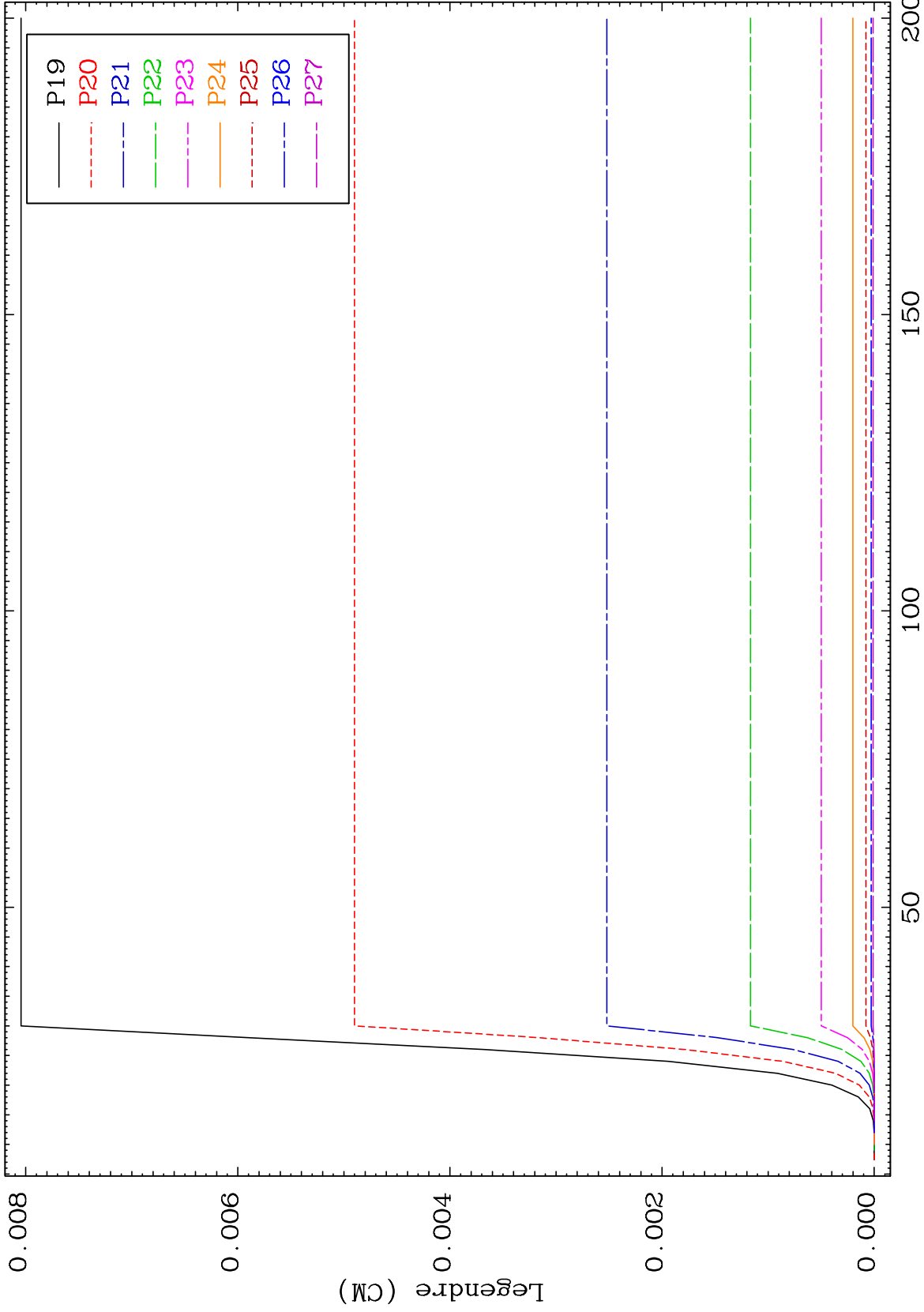
85

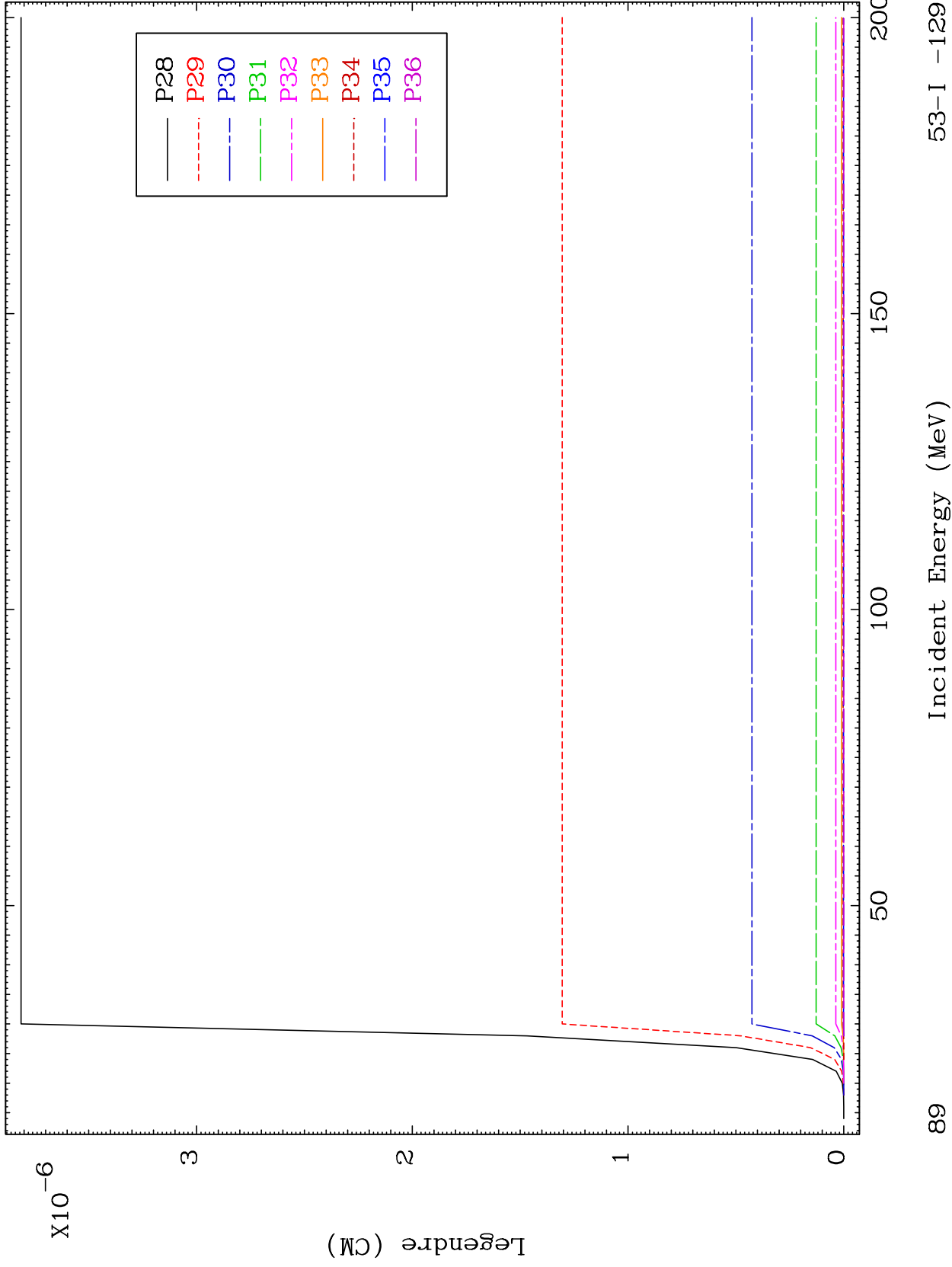
Incident Energy (MeV)

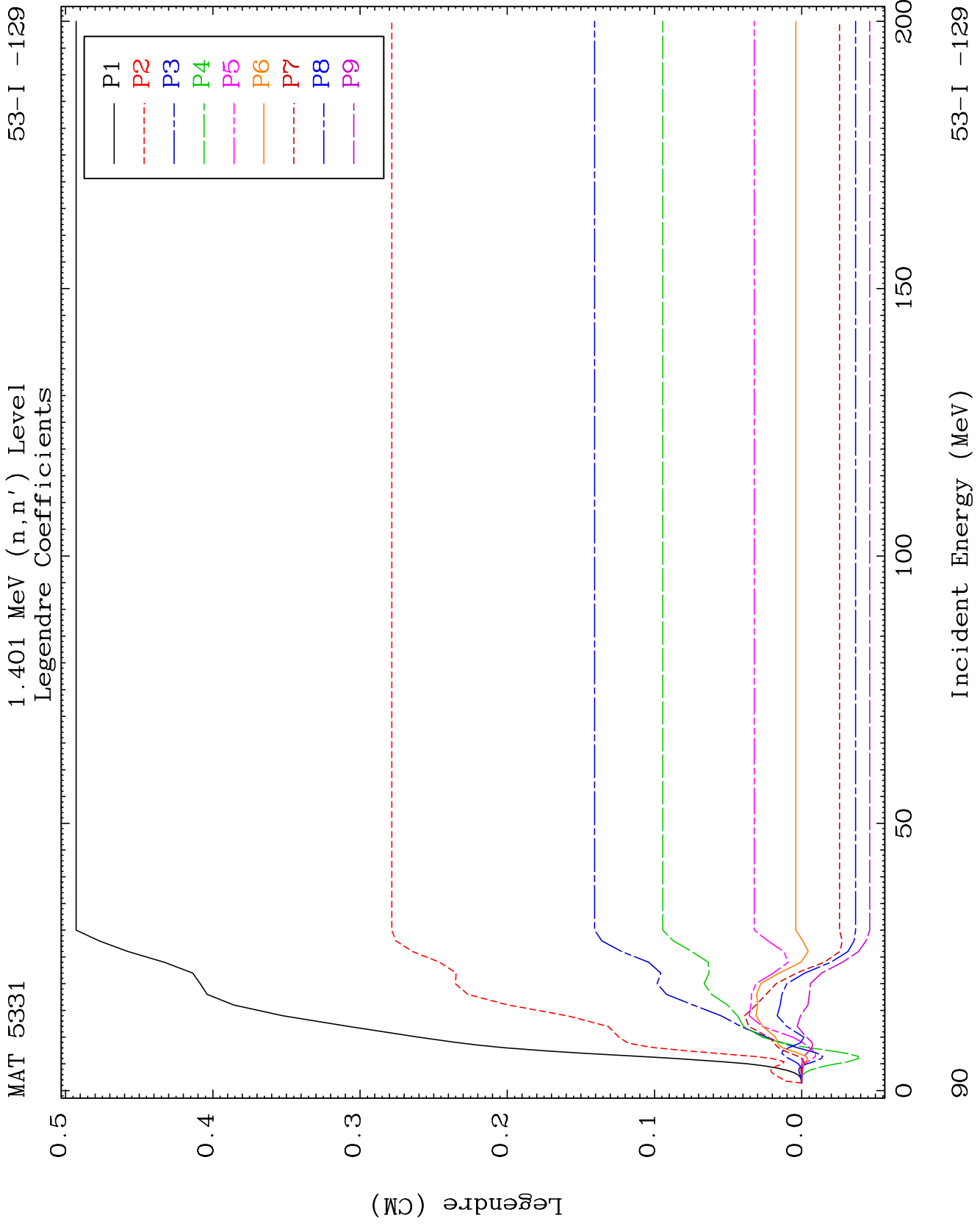
53-I -129

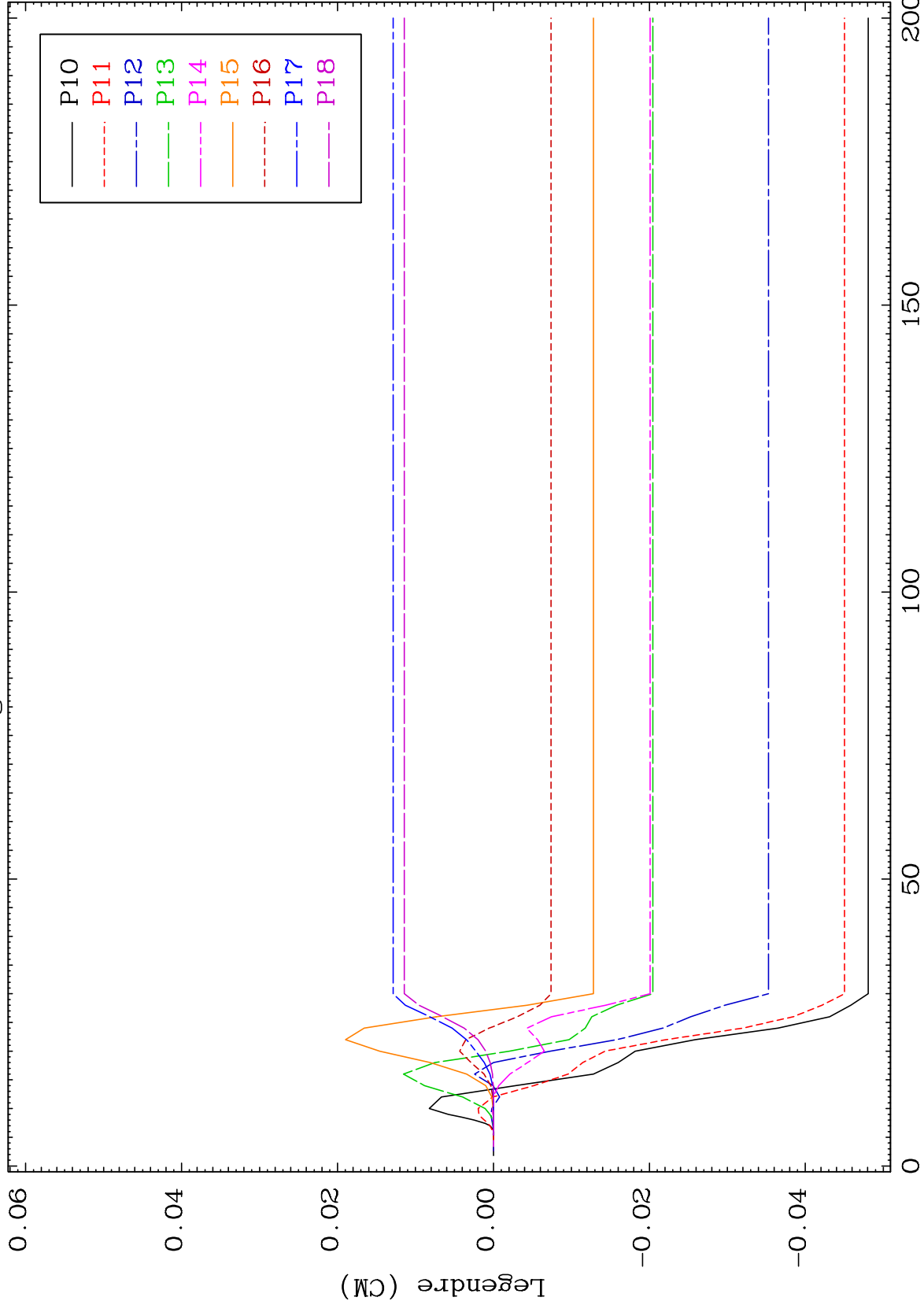


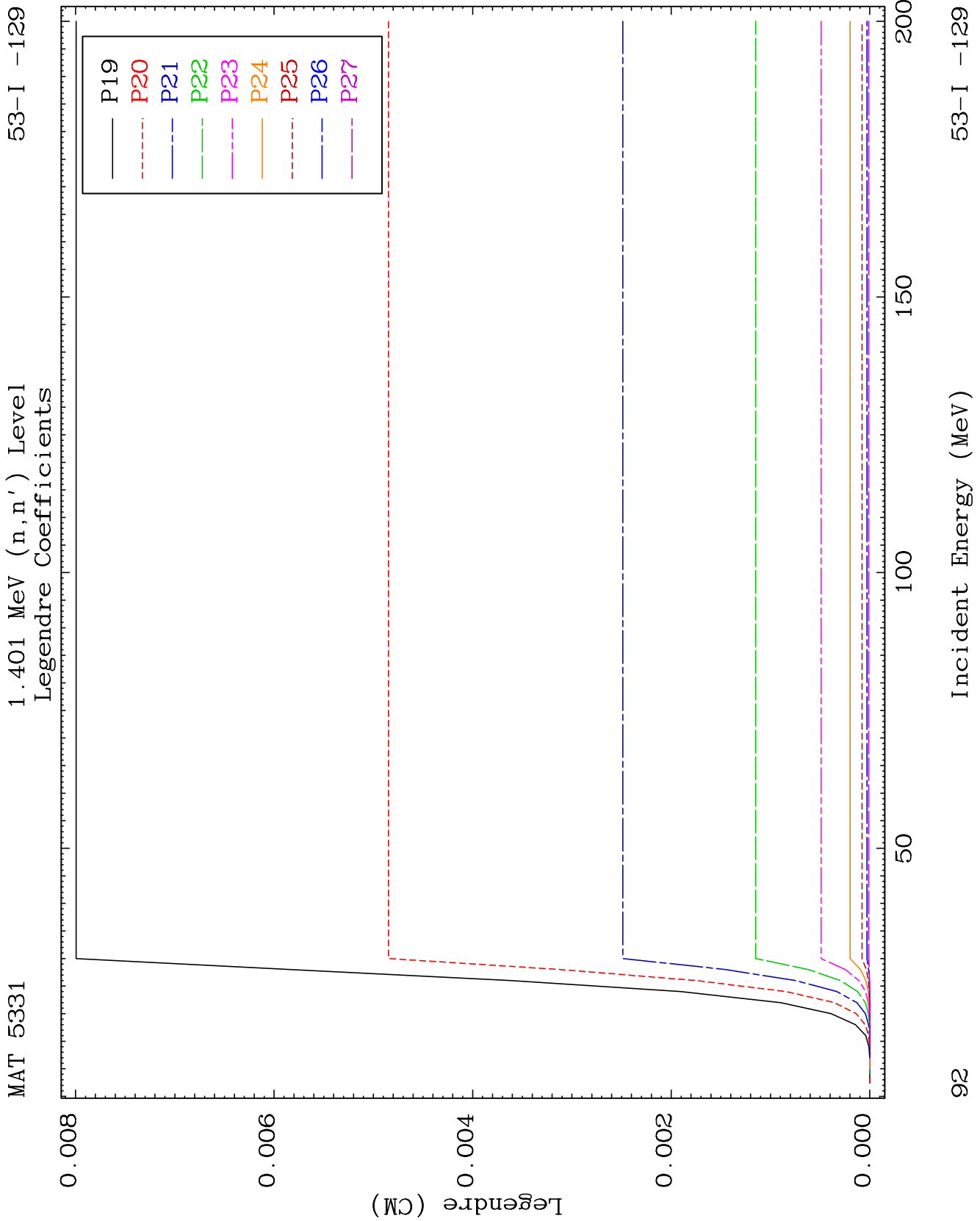


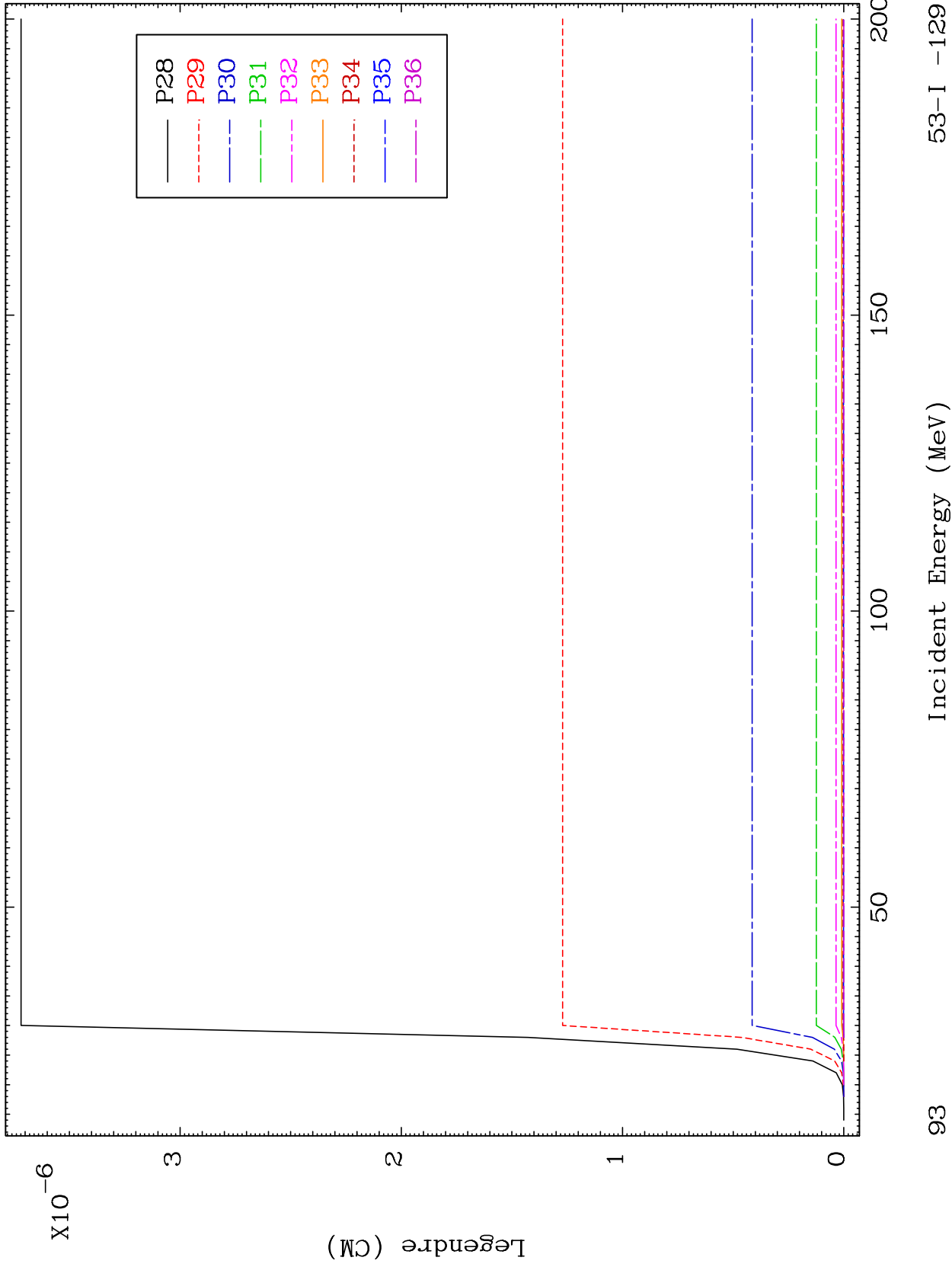


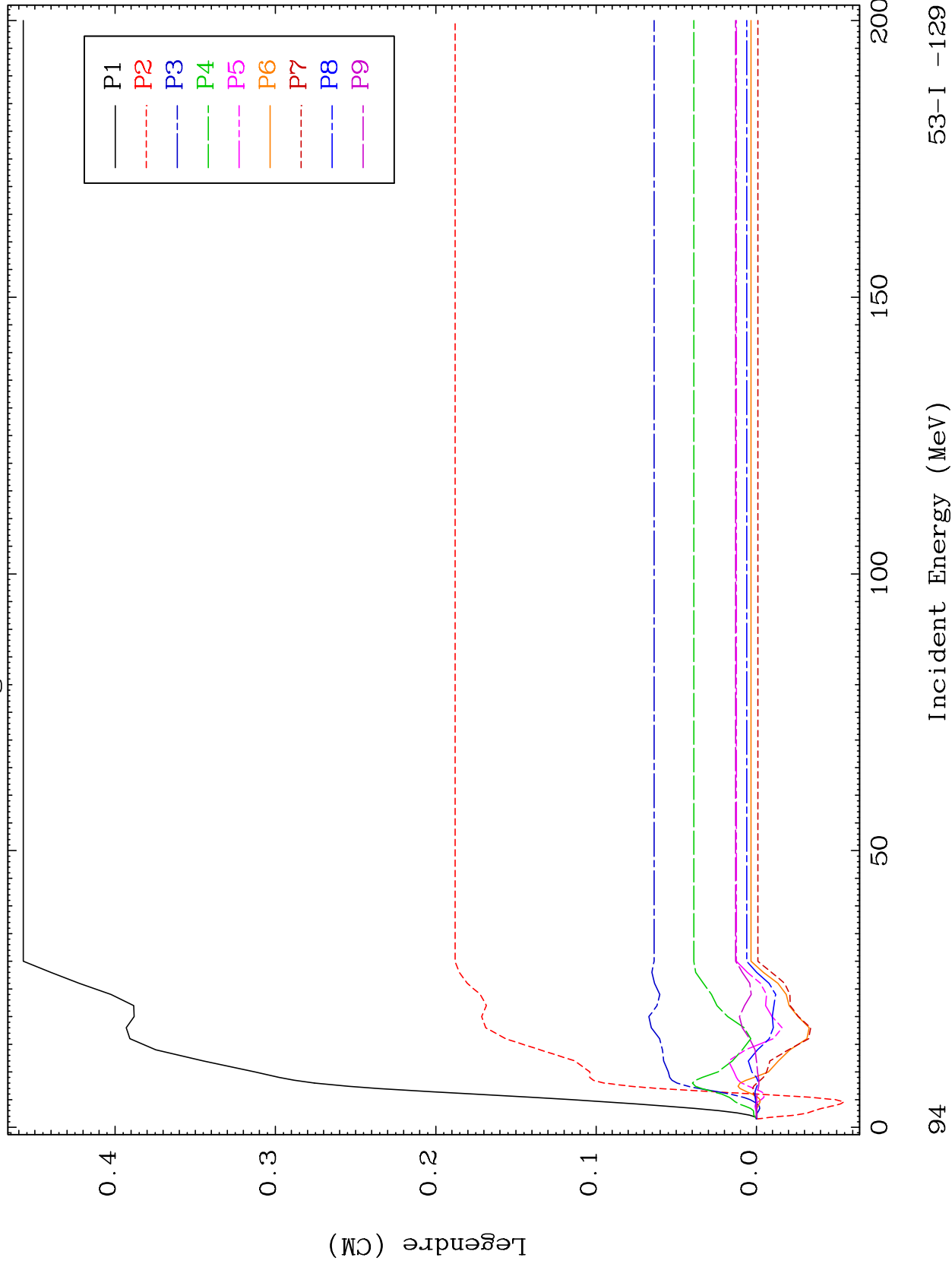








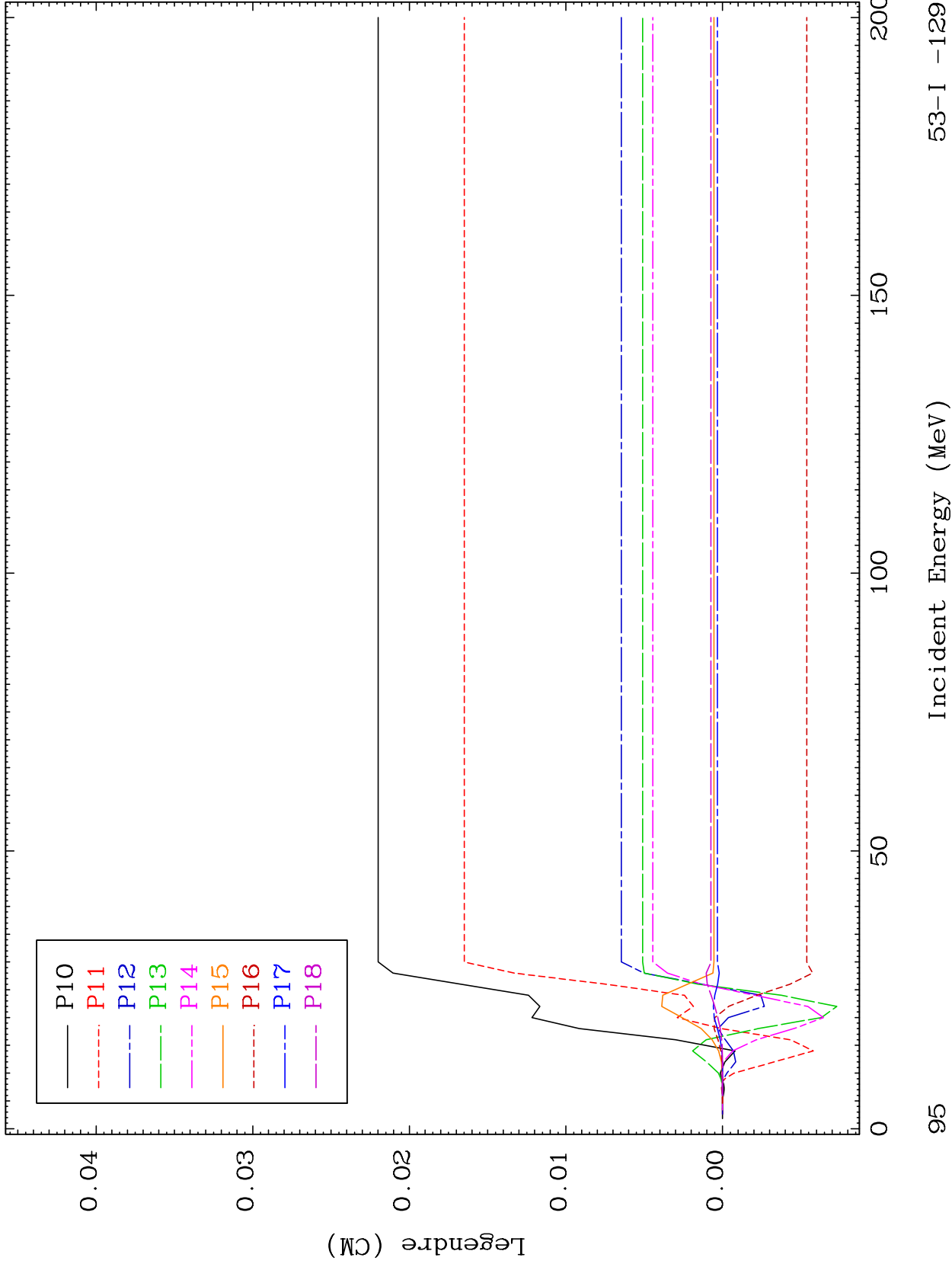




MAT 5331

1.483 MeV (n,n') Level
Legendre Coefficients

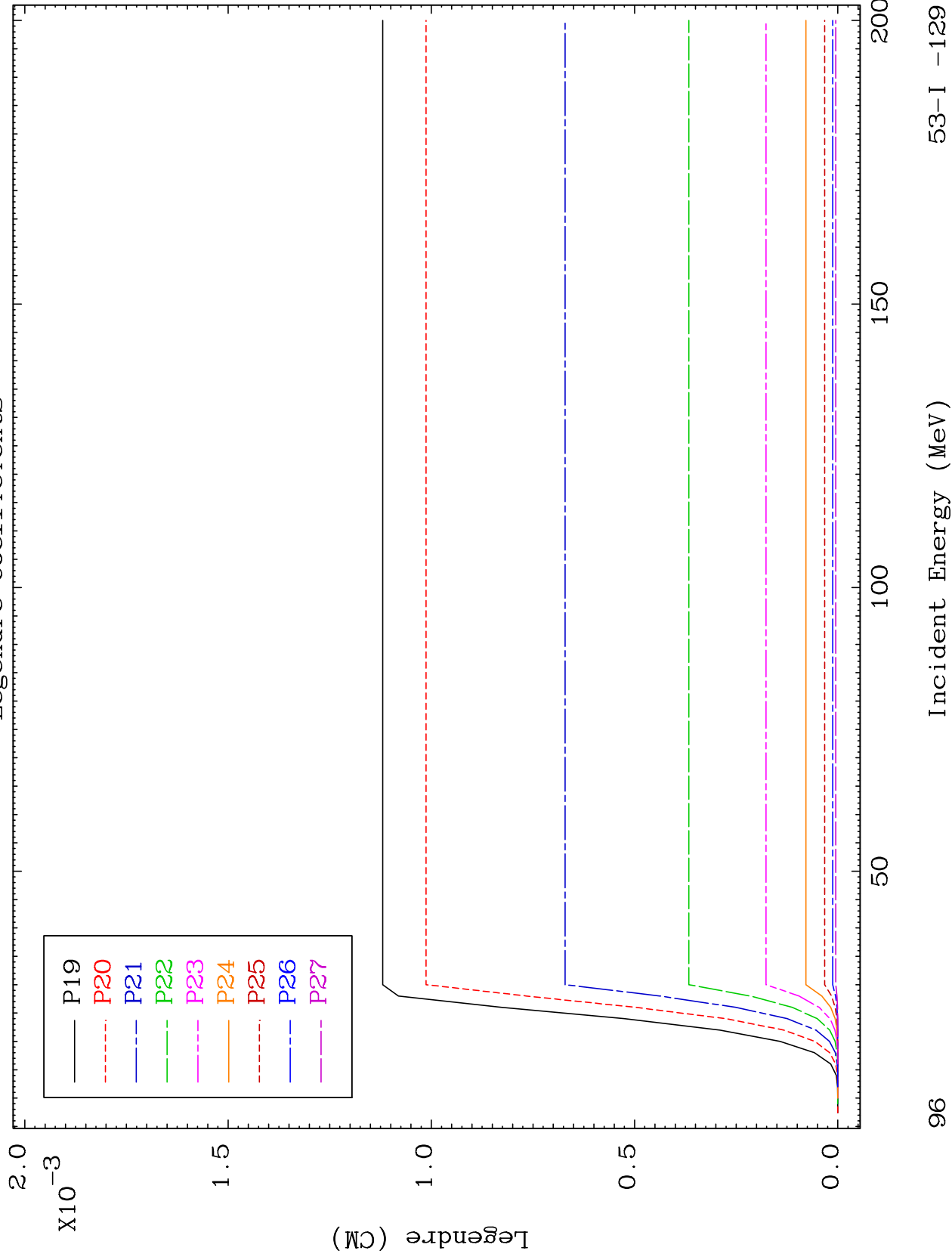
53-I -129

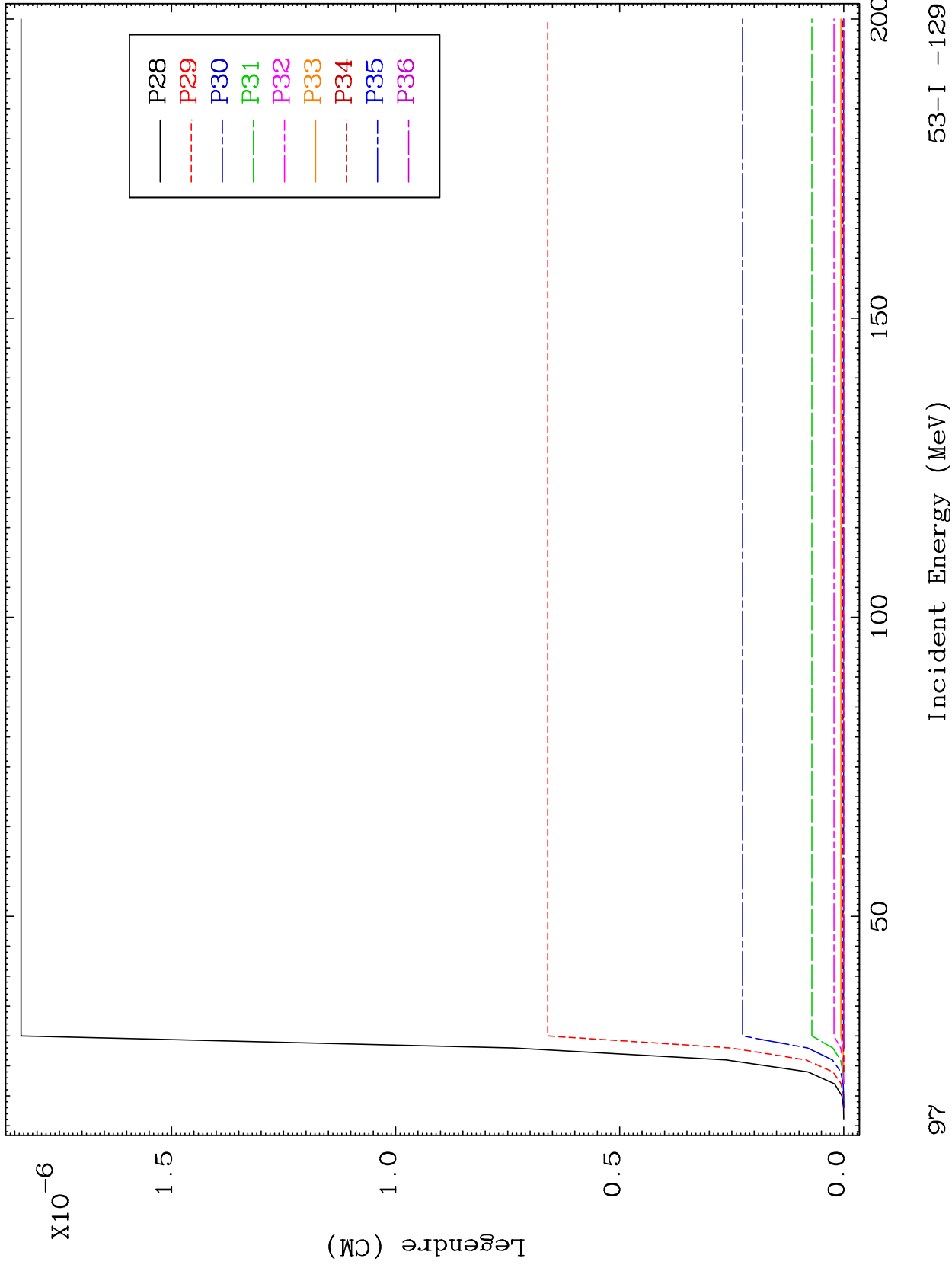


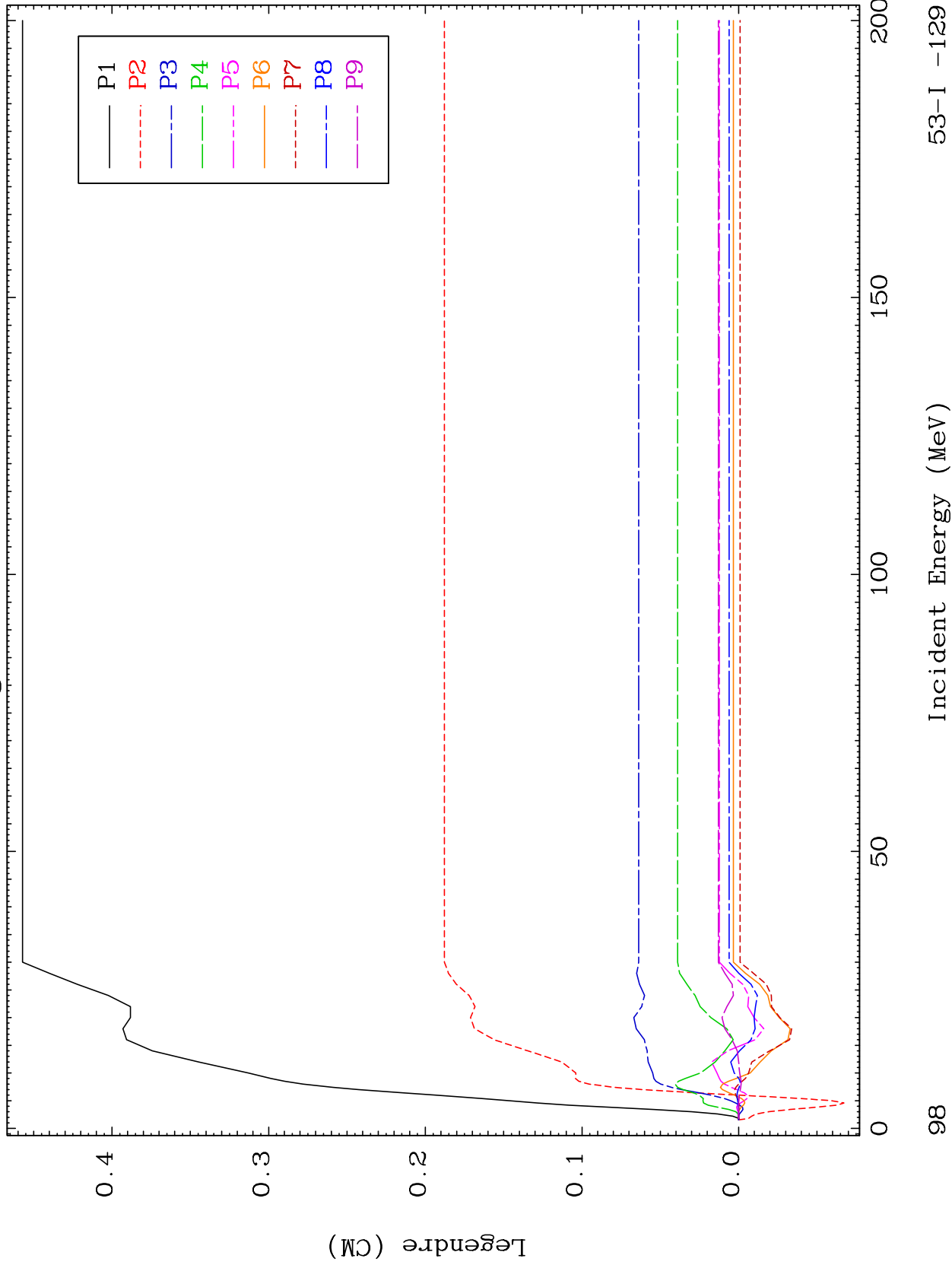
53-I -129

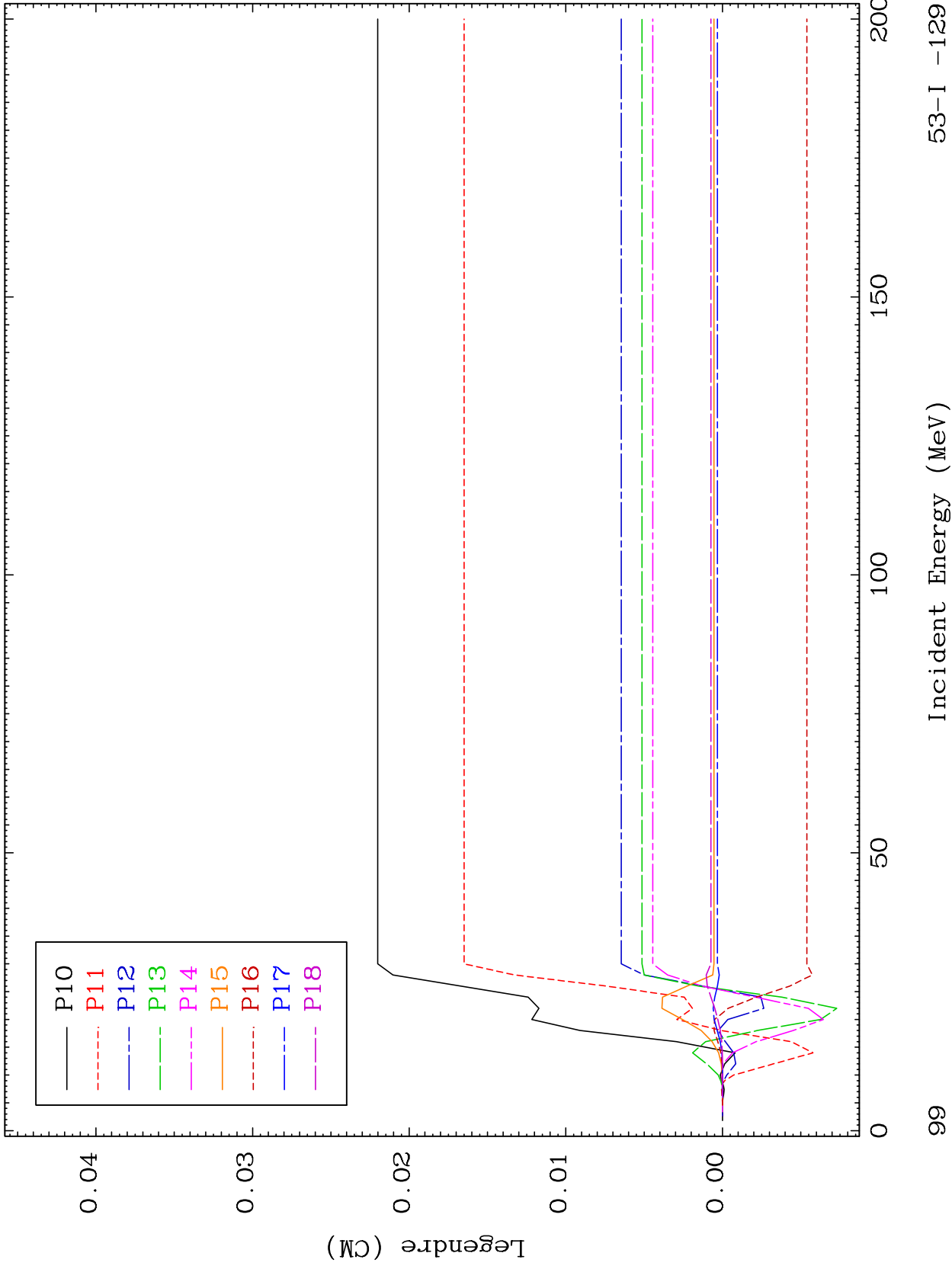
Incident Energy (MeV)

95





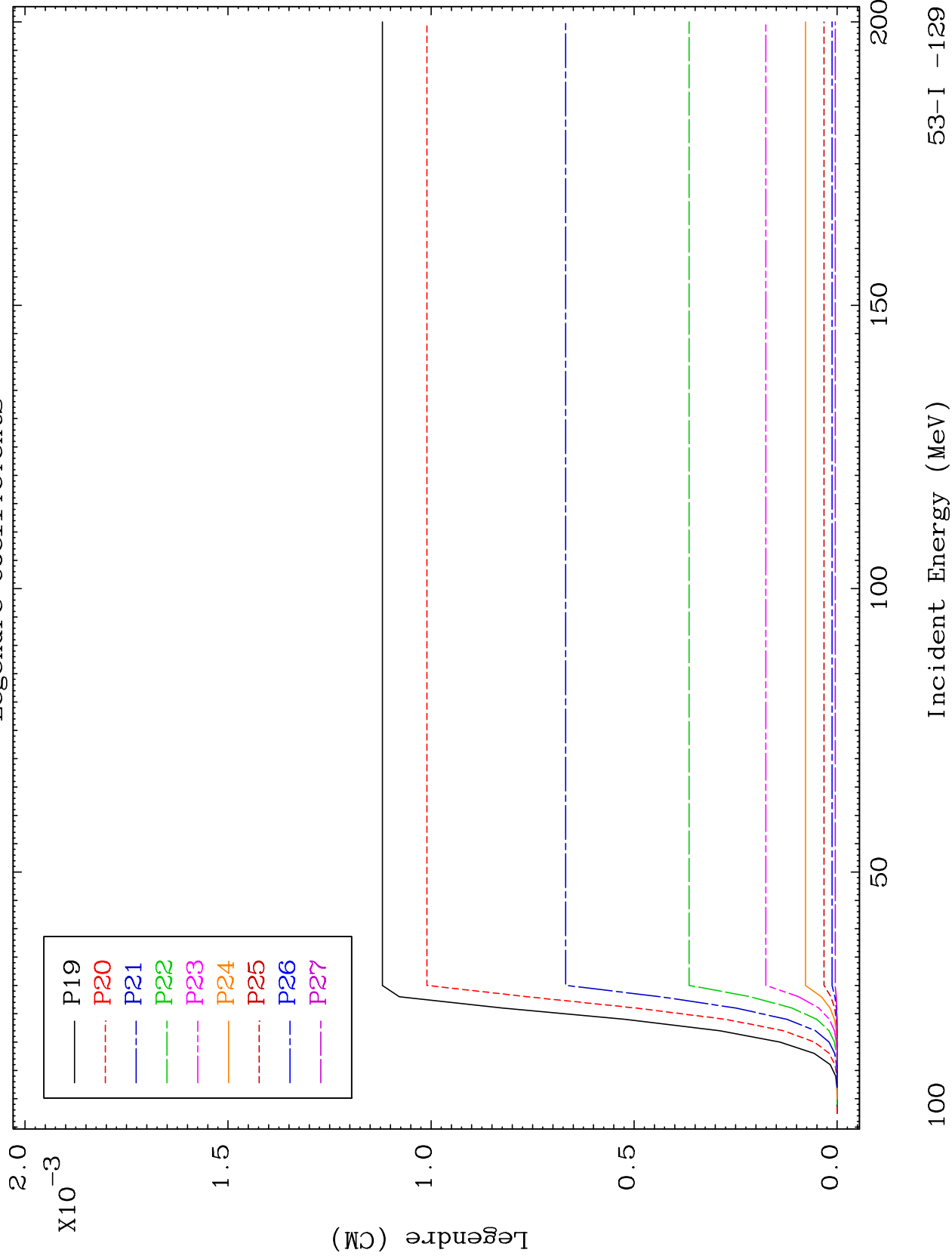




MAT 5331

1.521 MeV (n,n') Level
Legendre Coefficients

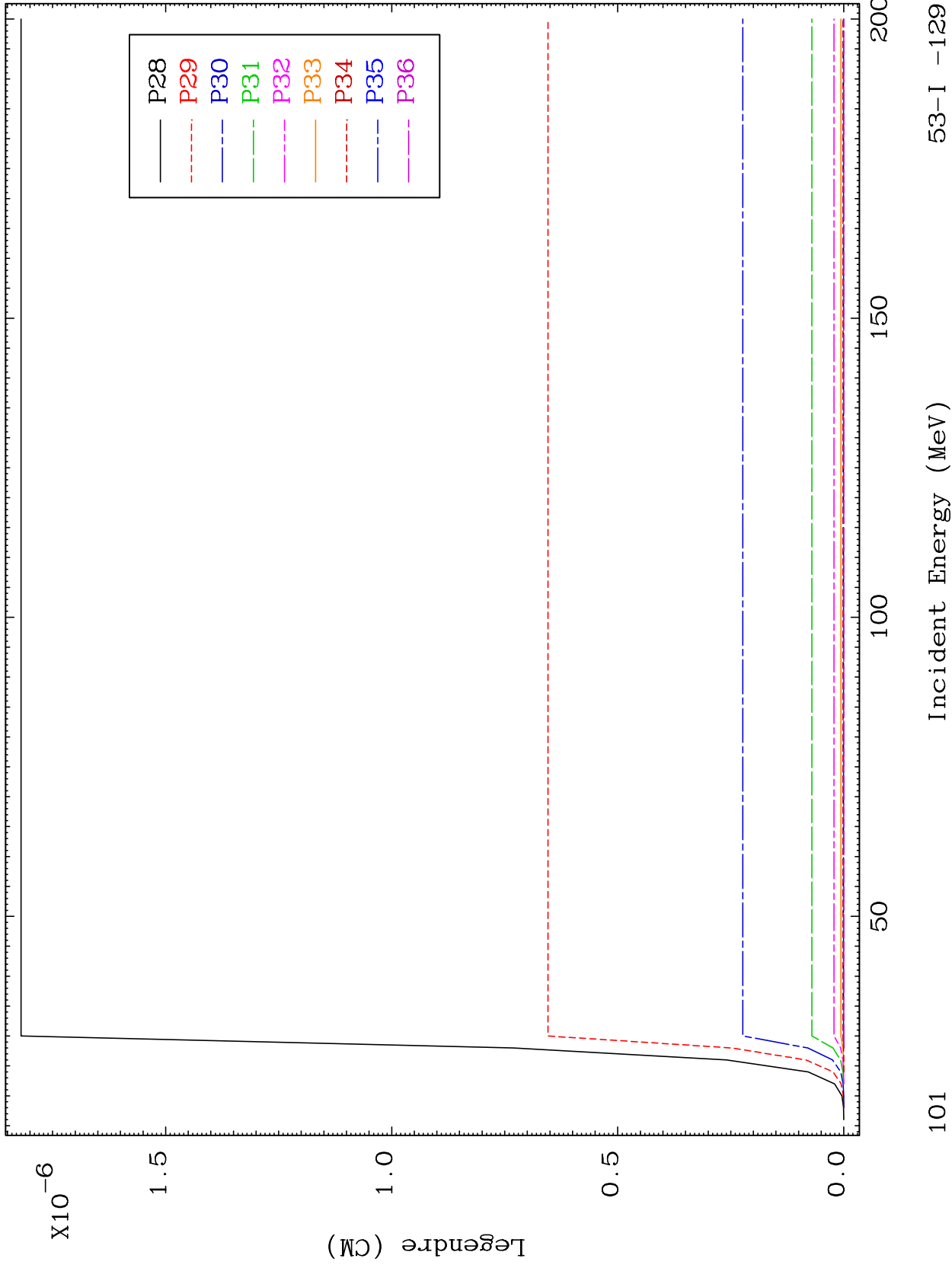
53-I -129



MAT 5331

1.521 MeV (n,n') Level
Legendre Coefficients

53-I -129



101

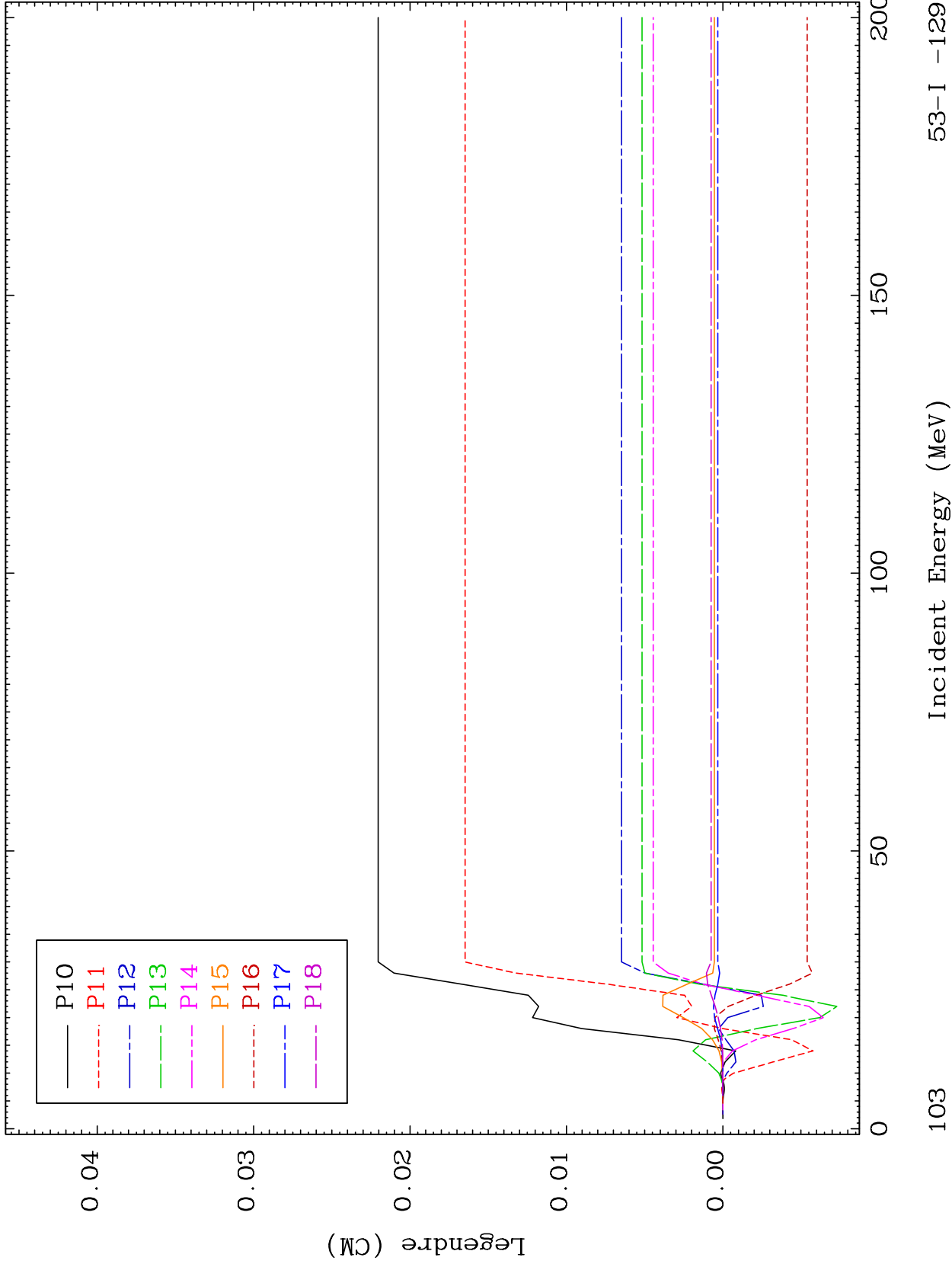
Incident Energy (MeV)

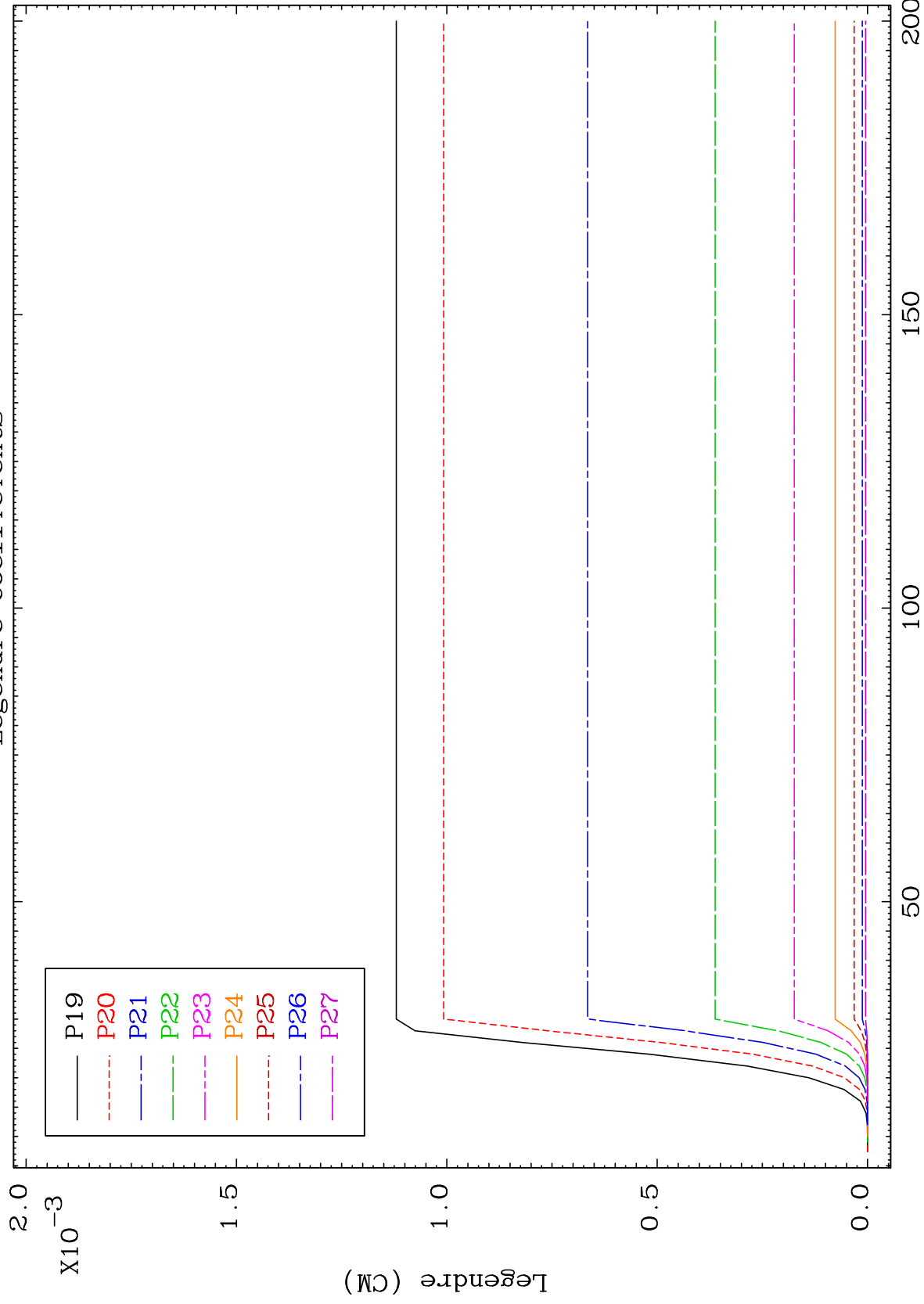
53-I -129

MAT 5331

1.566 MeV (n,n') Level
Legendre Coefficients

53-I -129

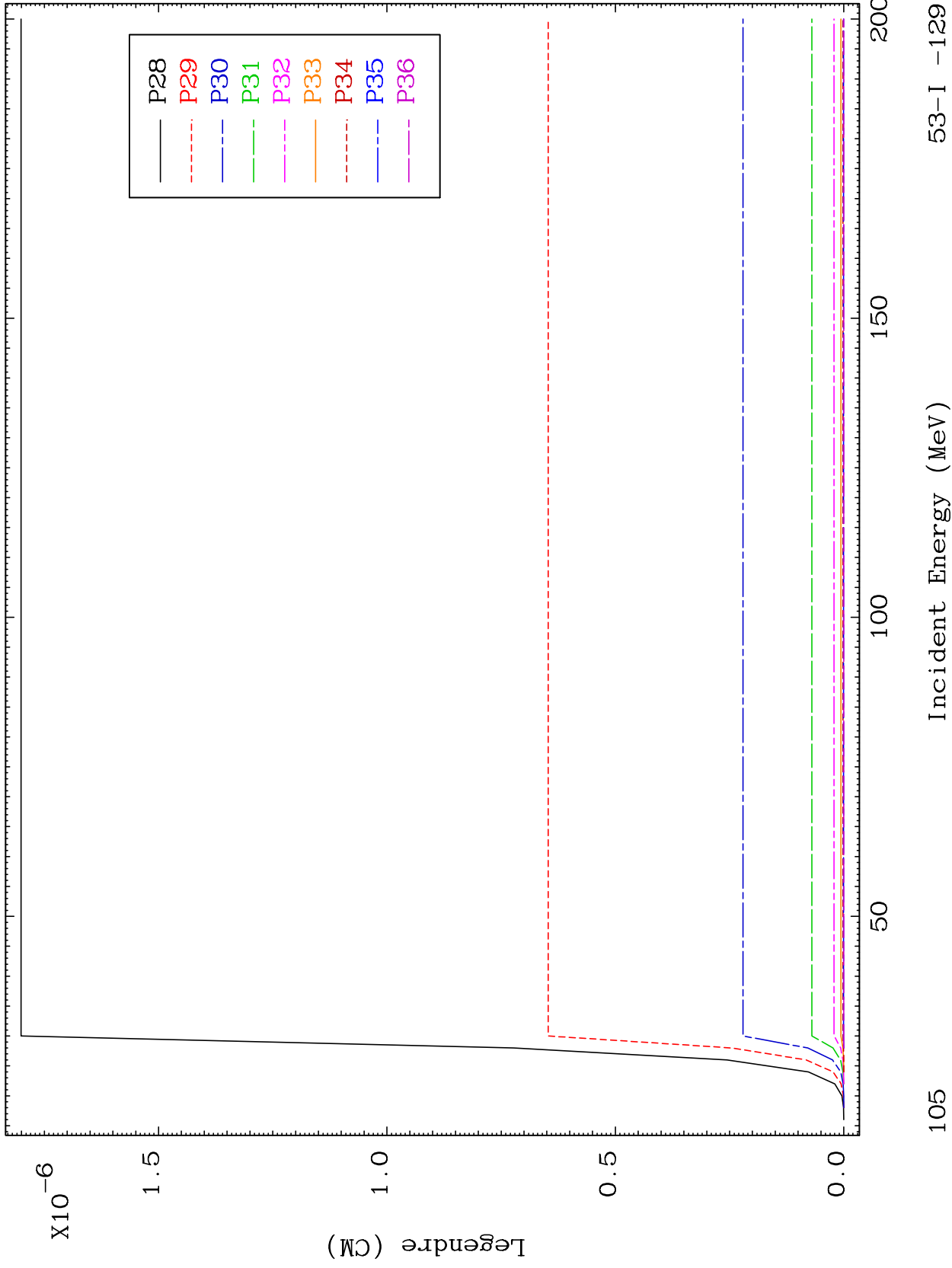




MAT 5331

1.566 MeV (n,n') Level
Legendre Coefficients

53-I -129



105

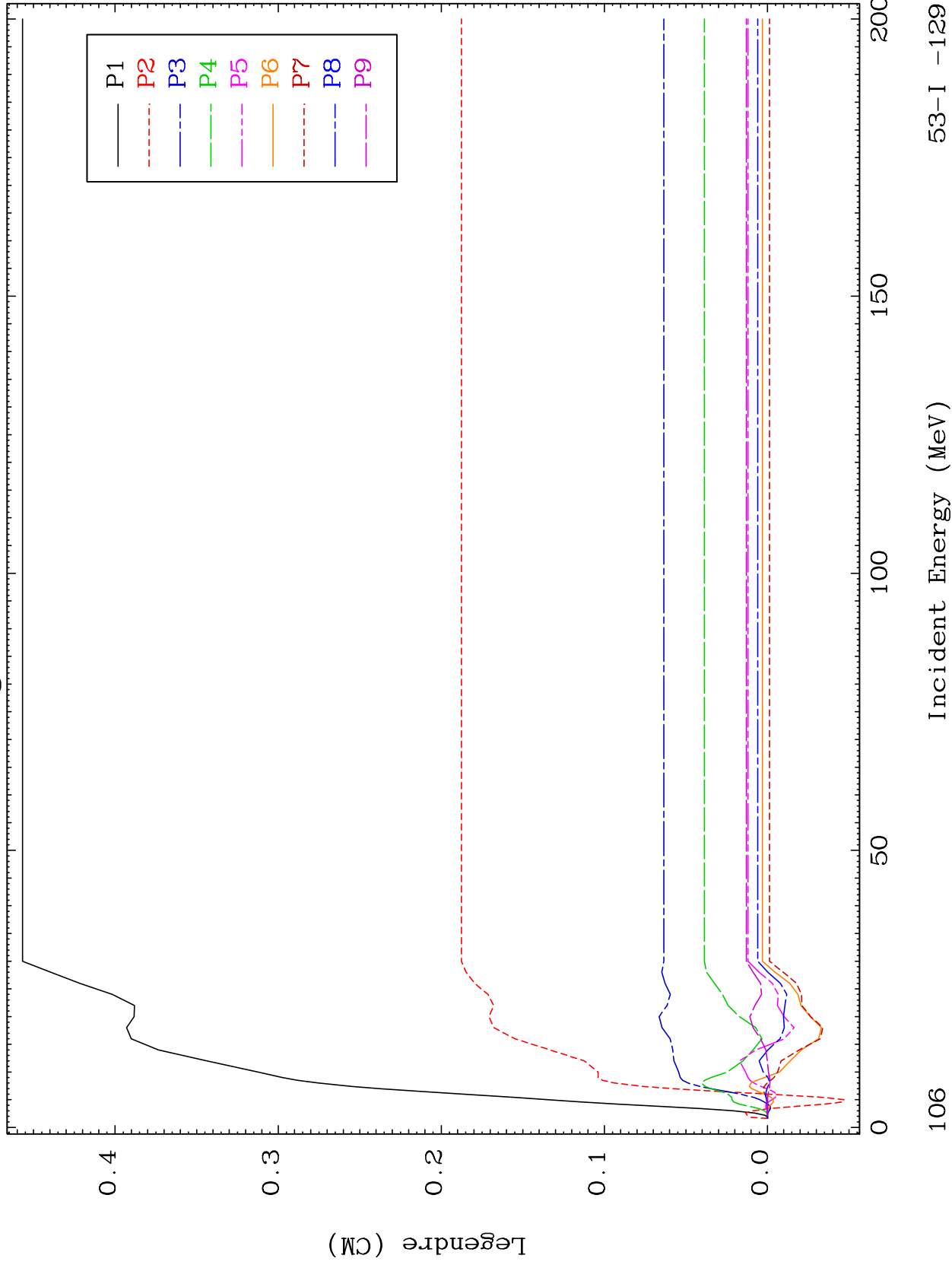
Incident Energy (MeV)

53-I -129

MAT 5331

1.621 MeV (n,n') Level
Legendre Coefficients

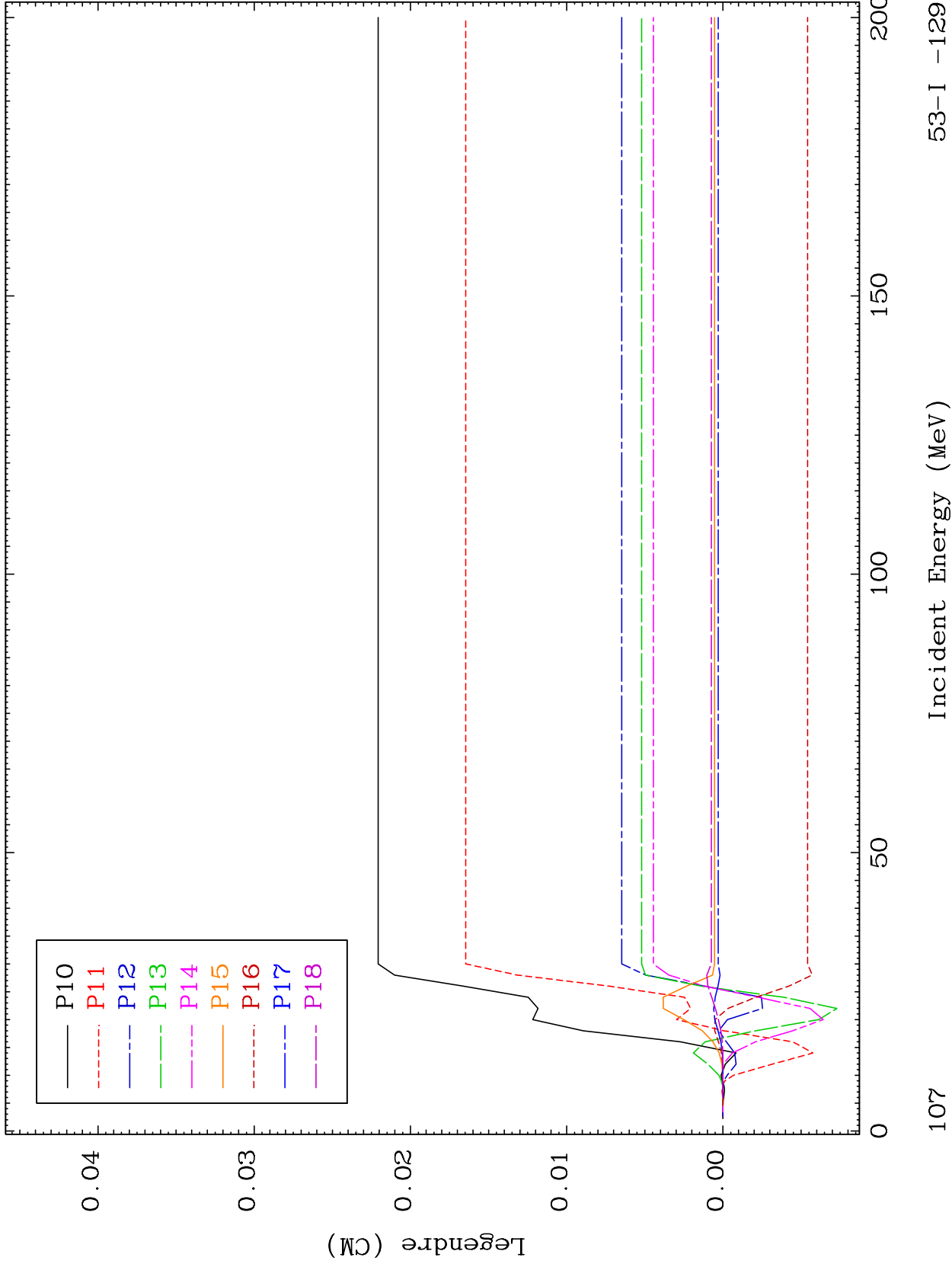
53-I -129

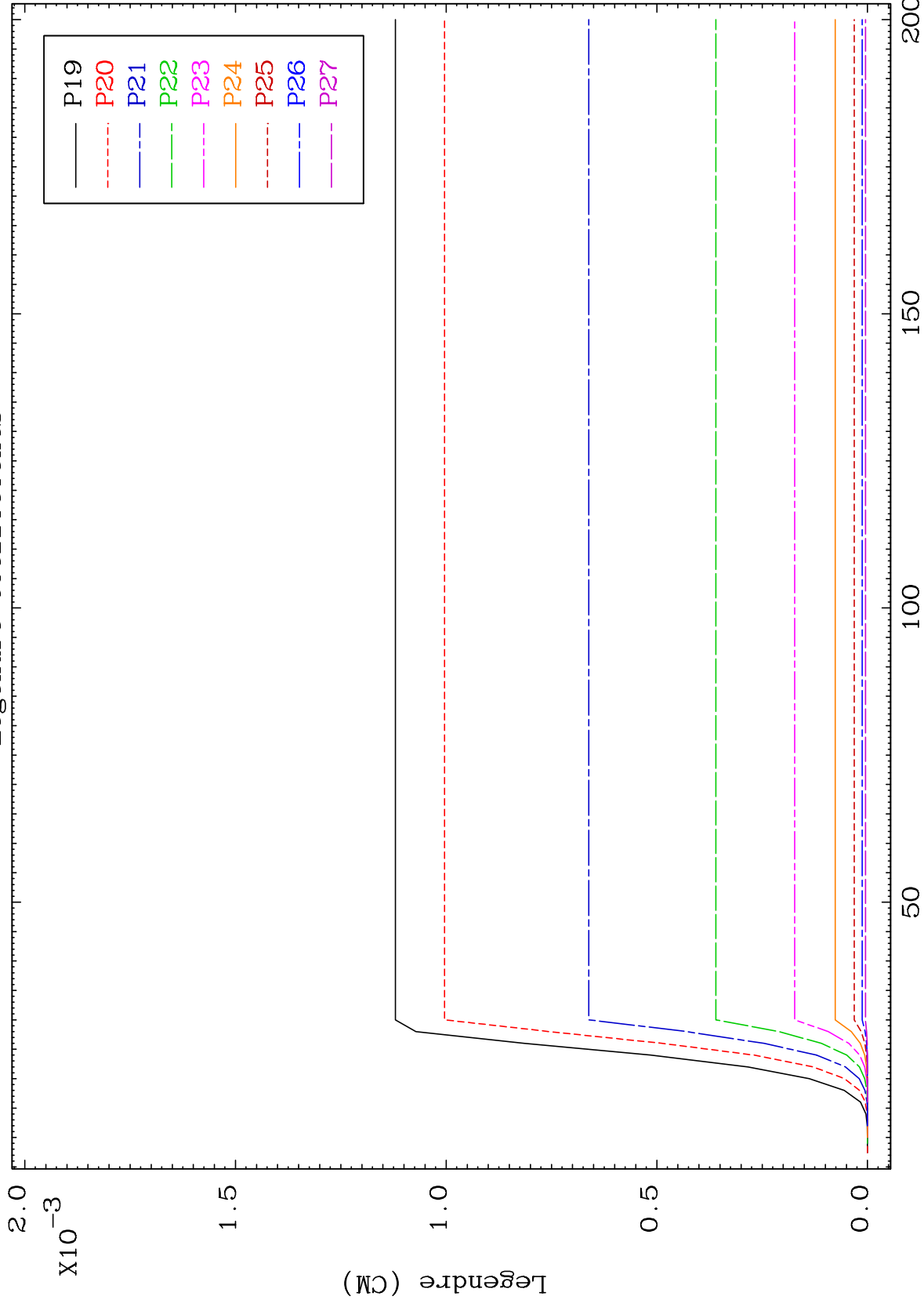


53-I -129

Incident Energy (MeV)

106

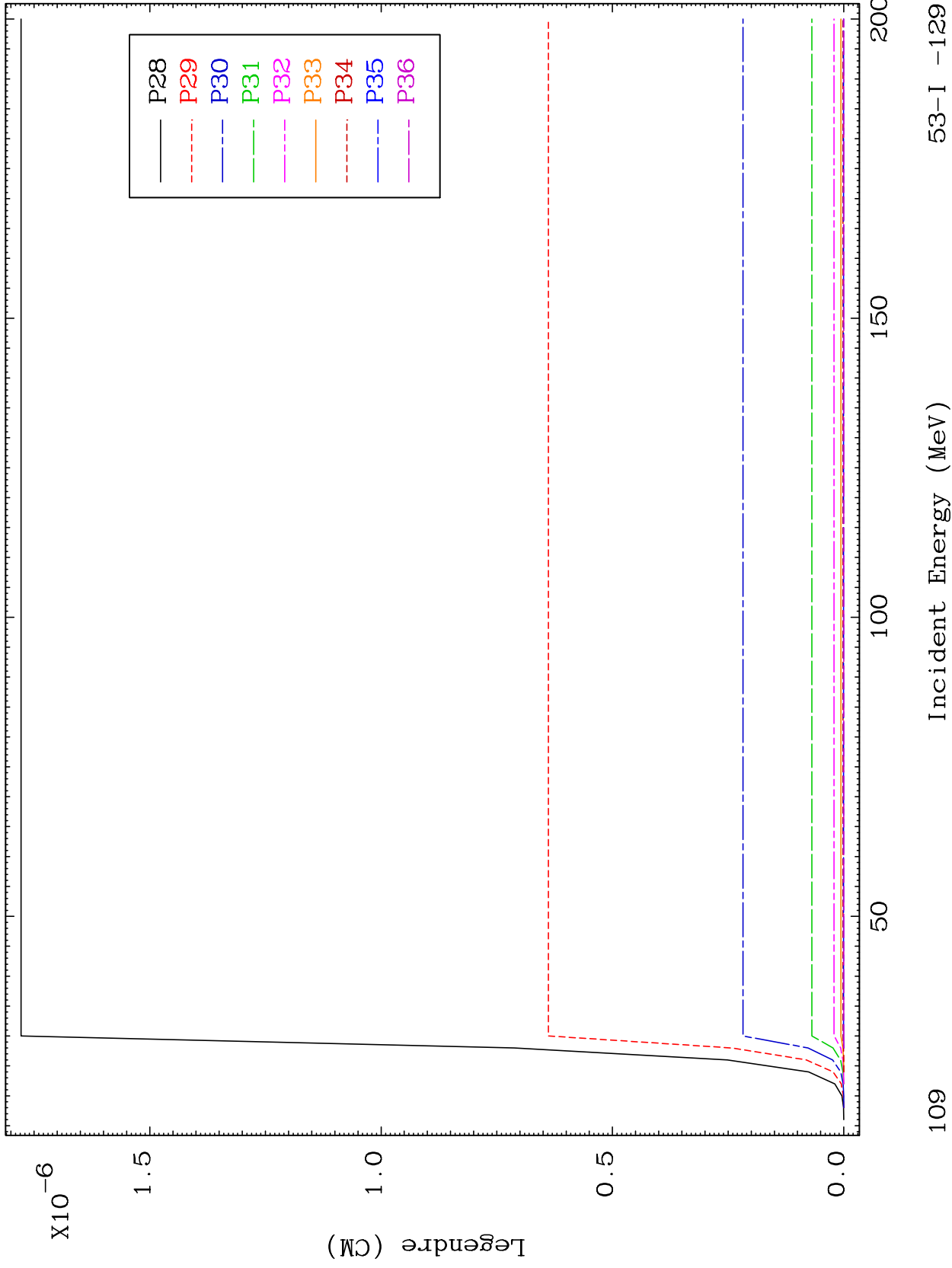




MAT 5331

1.621 MeV (n,n') Level
Legendre Coefficients

53-I -129



109

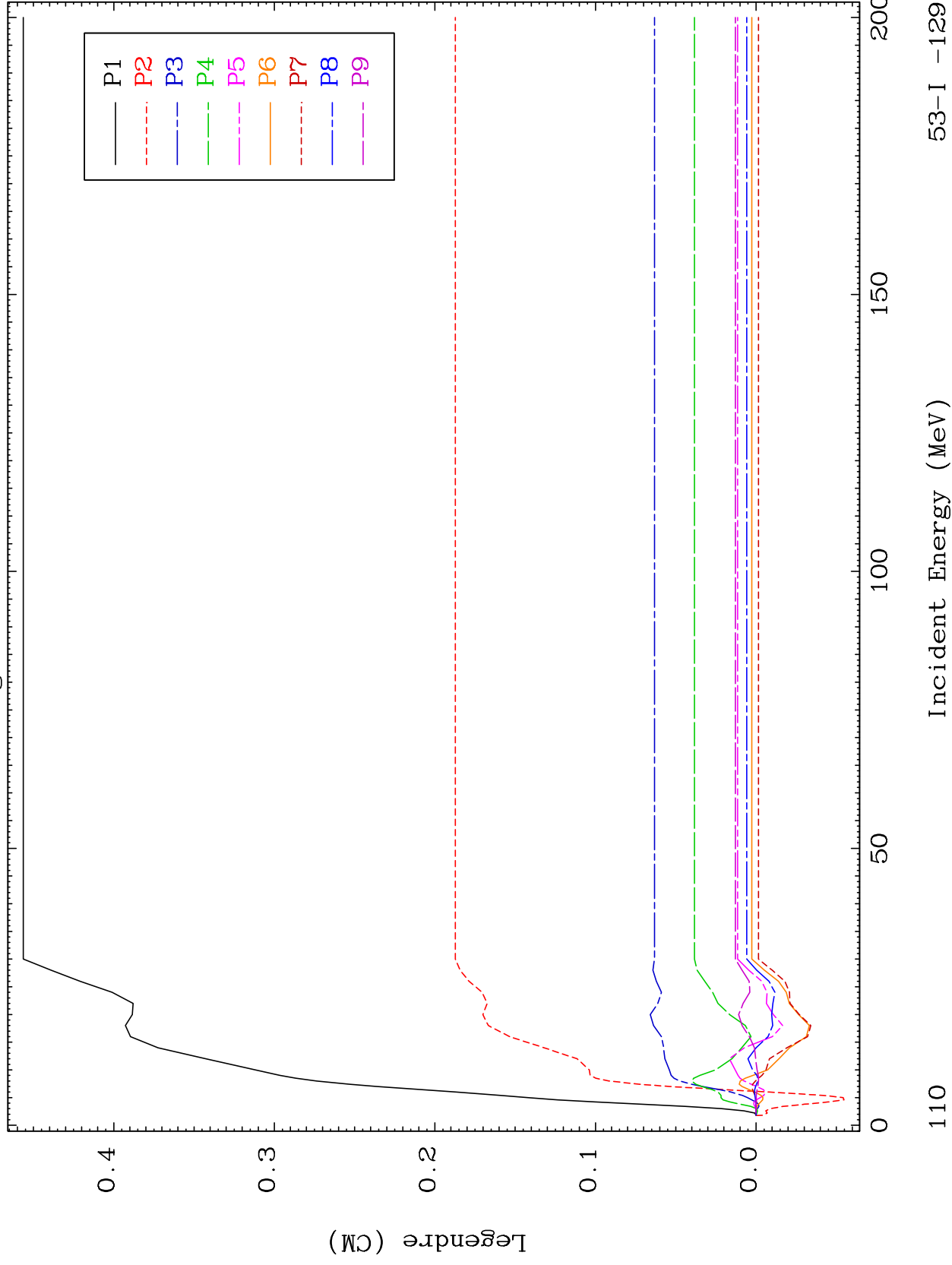
Incident Energy (MeV)

53-I -129

MAT 5331

1.741 MeV (n,n') Level
Legendre Coefficients

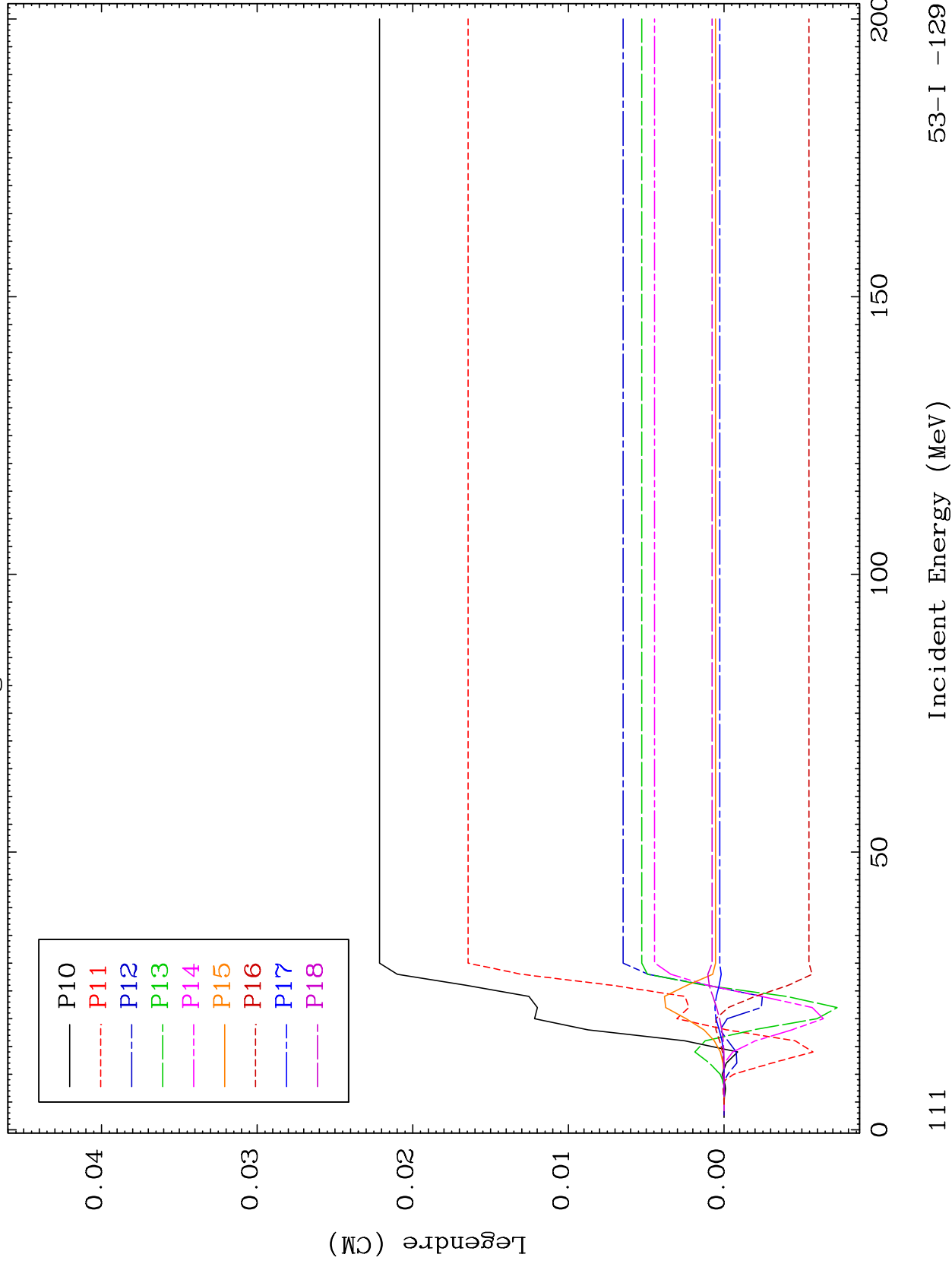
53-I -129



MAT 5331

1.741 MeV (n,n') Level
Legendre Coefficients

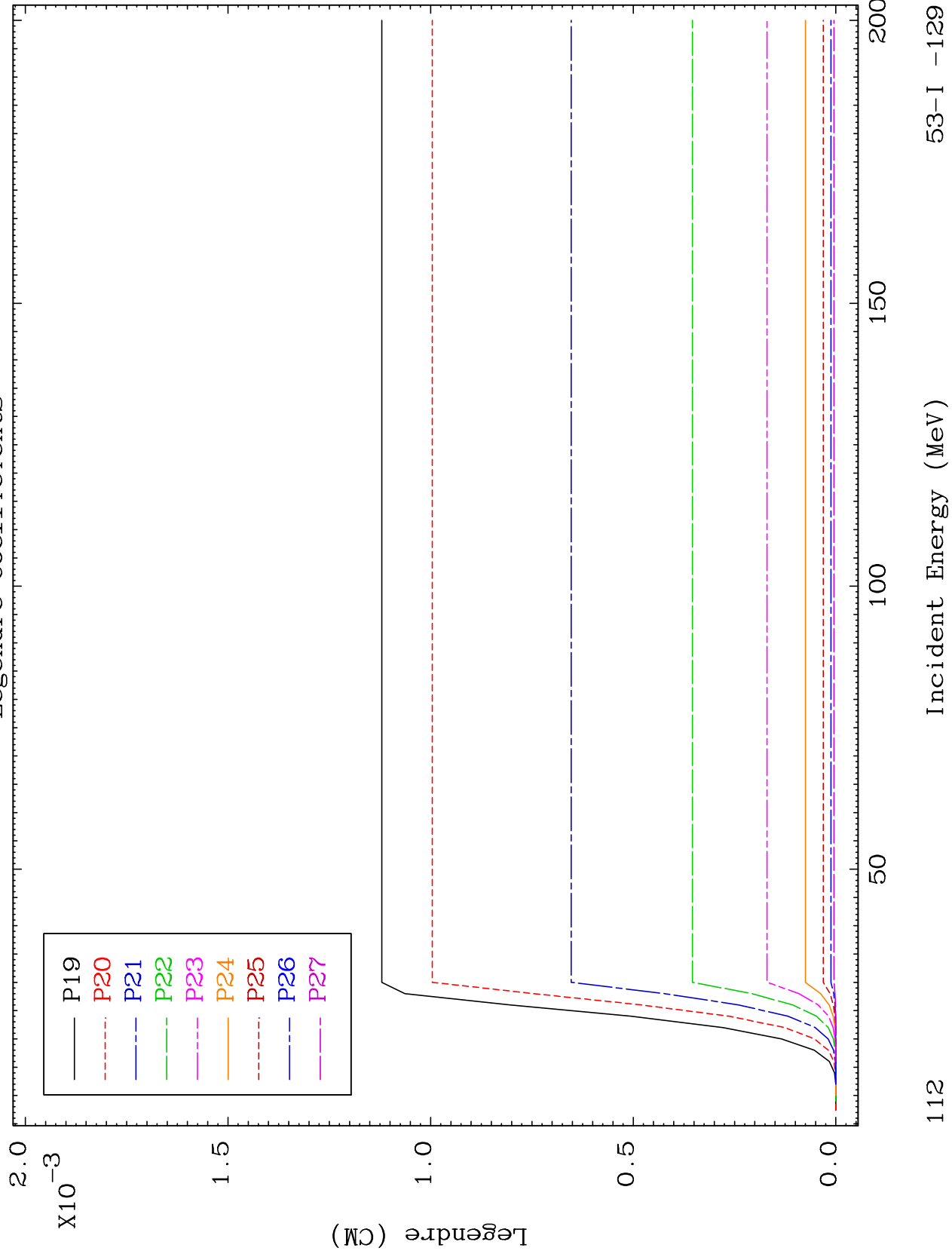
53-I -129



111

Incident Energy (MeV)

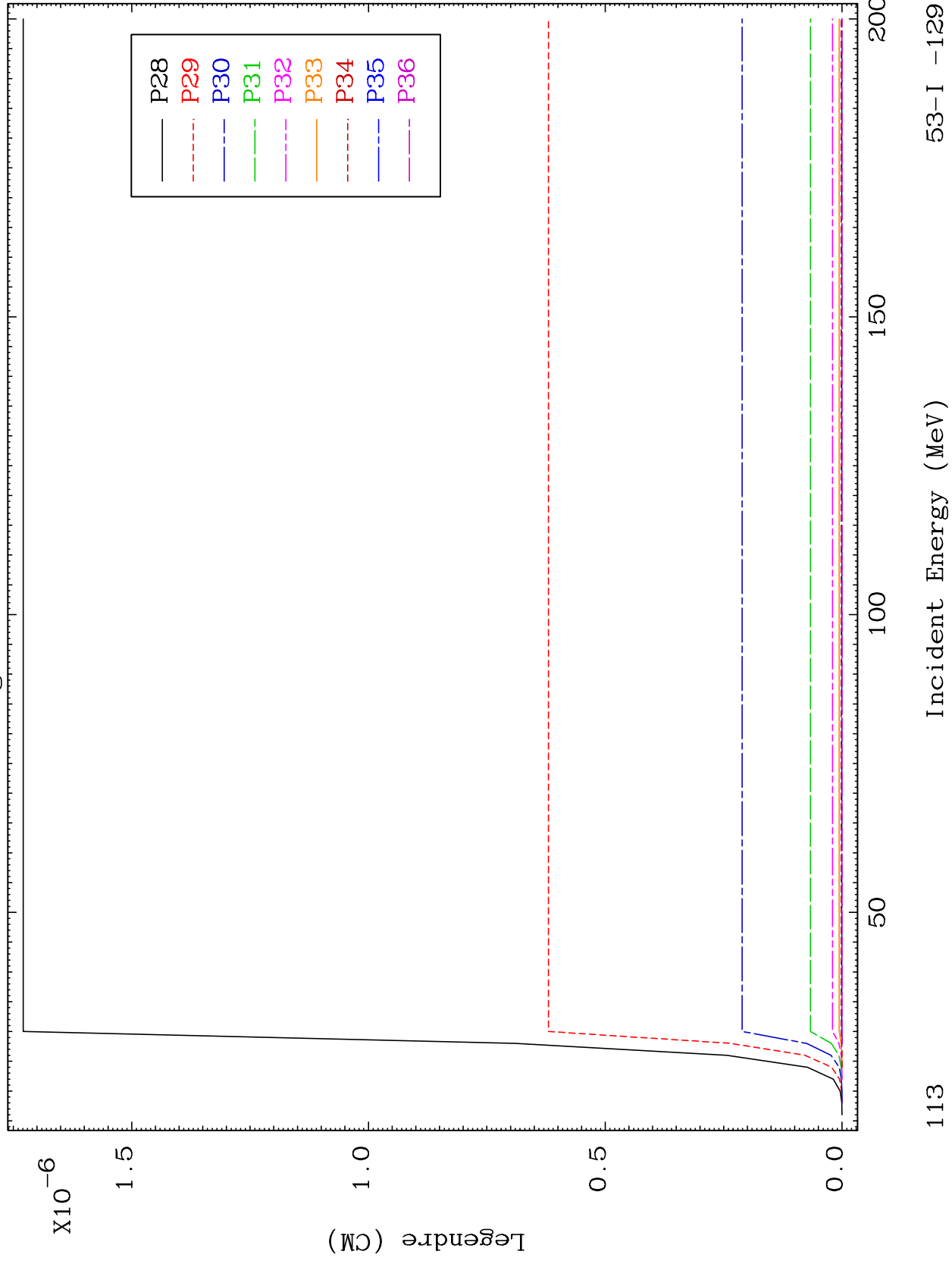
53-I -129



MAT 5331

1.741 MeV (n,n') Level
Legendre Coefficients

53-I -129

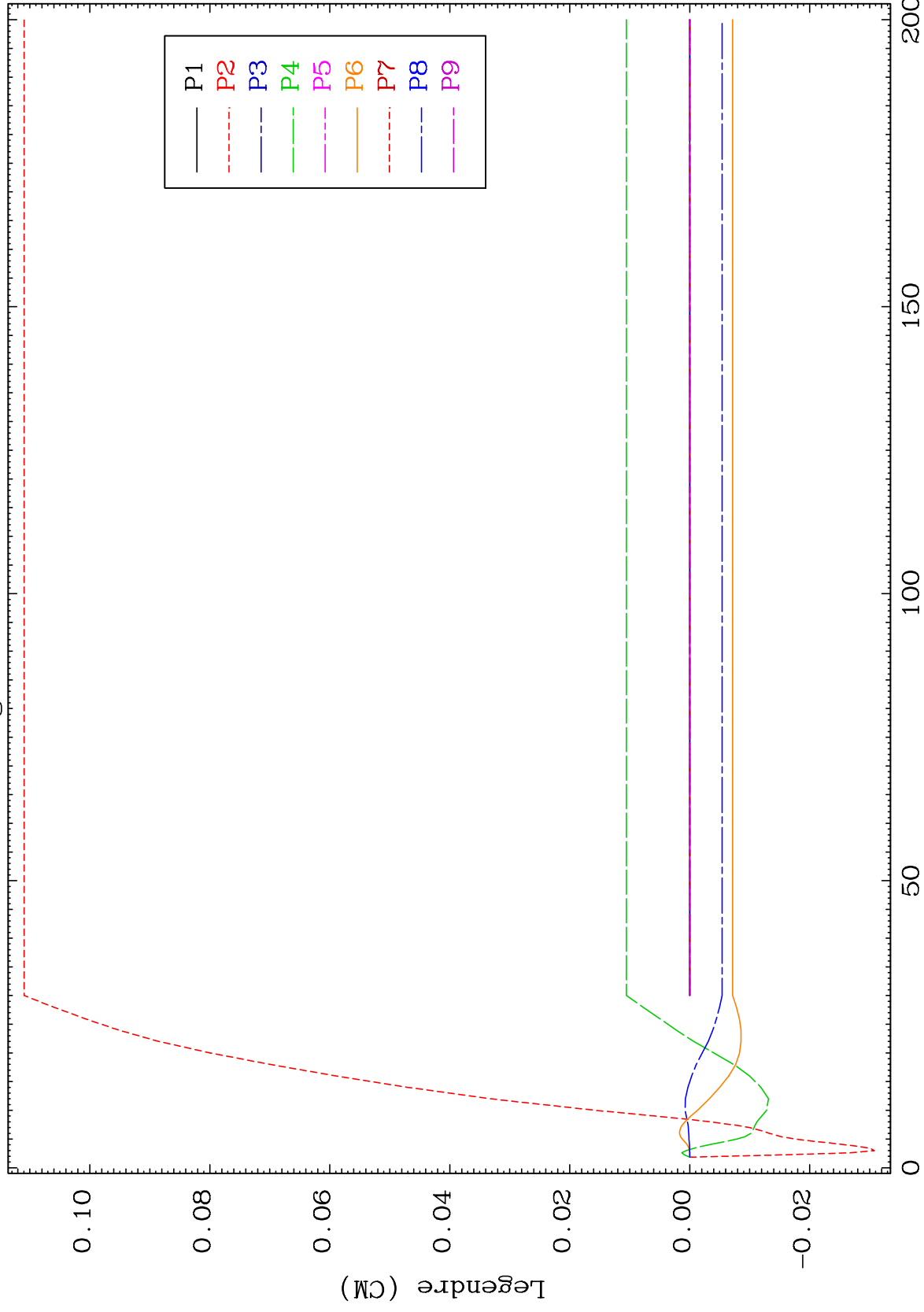


113

MAT 5331

1.823 MeV (n,n') Level
Legendre Coefficients

53-I -129



114

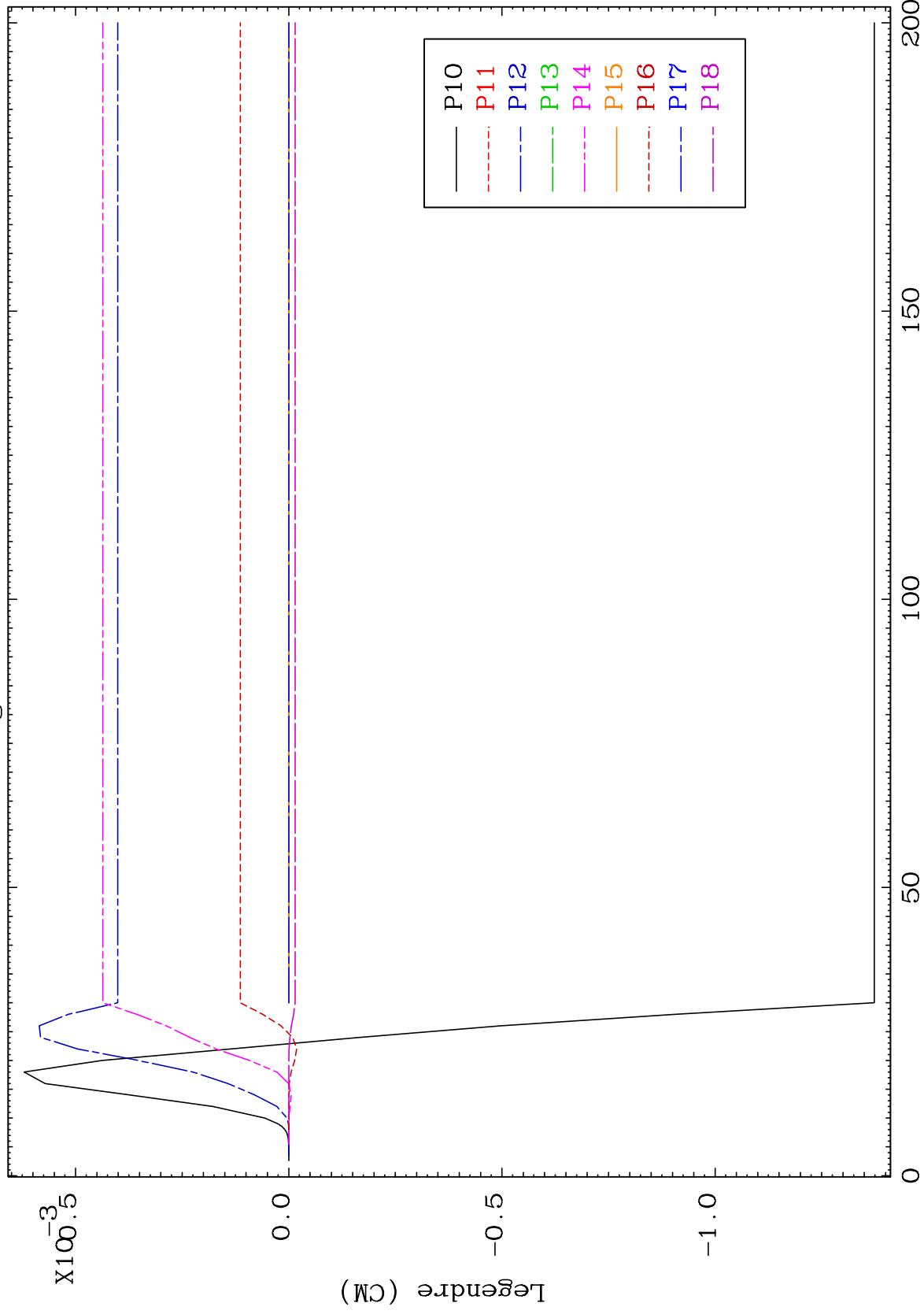
Incident Energy (MeV)

53-I -129

MAT 5331

1.823 MeV (n,n') Level
Legendre Coefficients

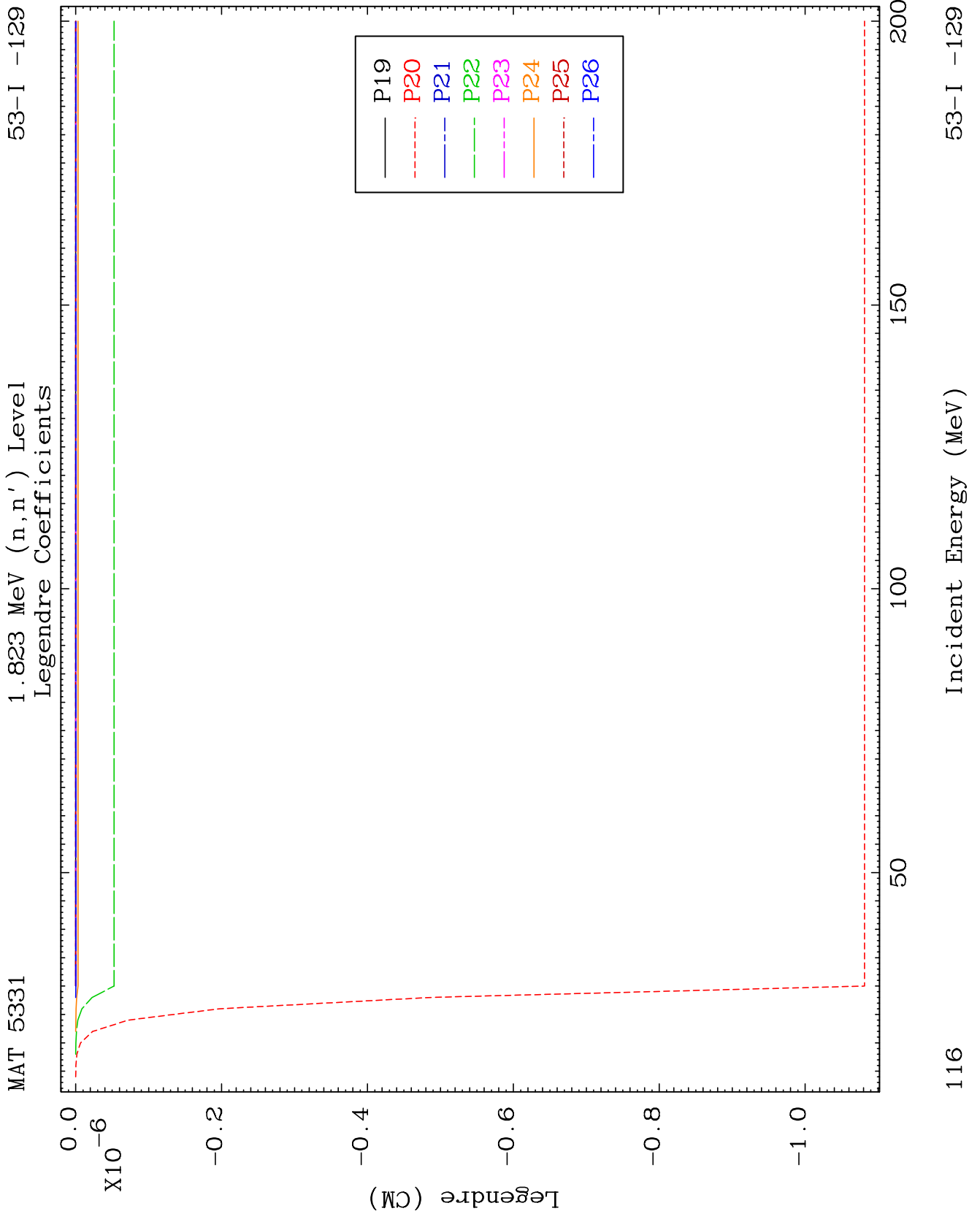
53-I -129



115

Incident Energy (MeV)

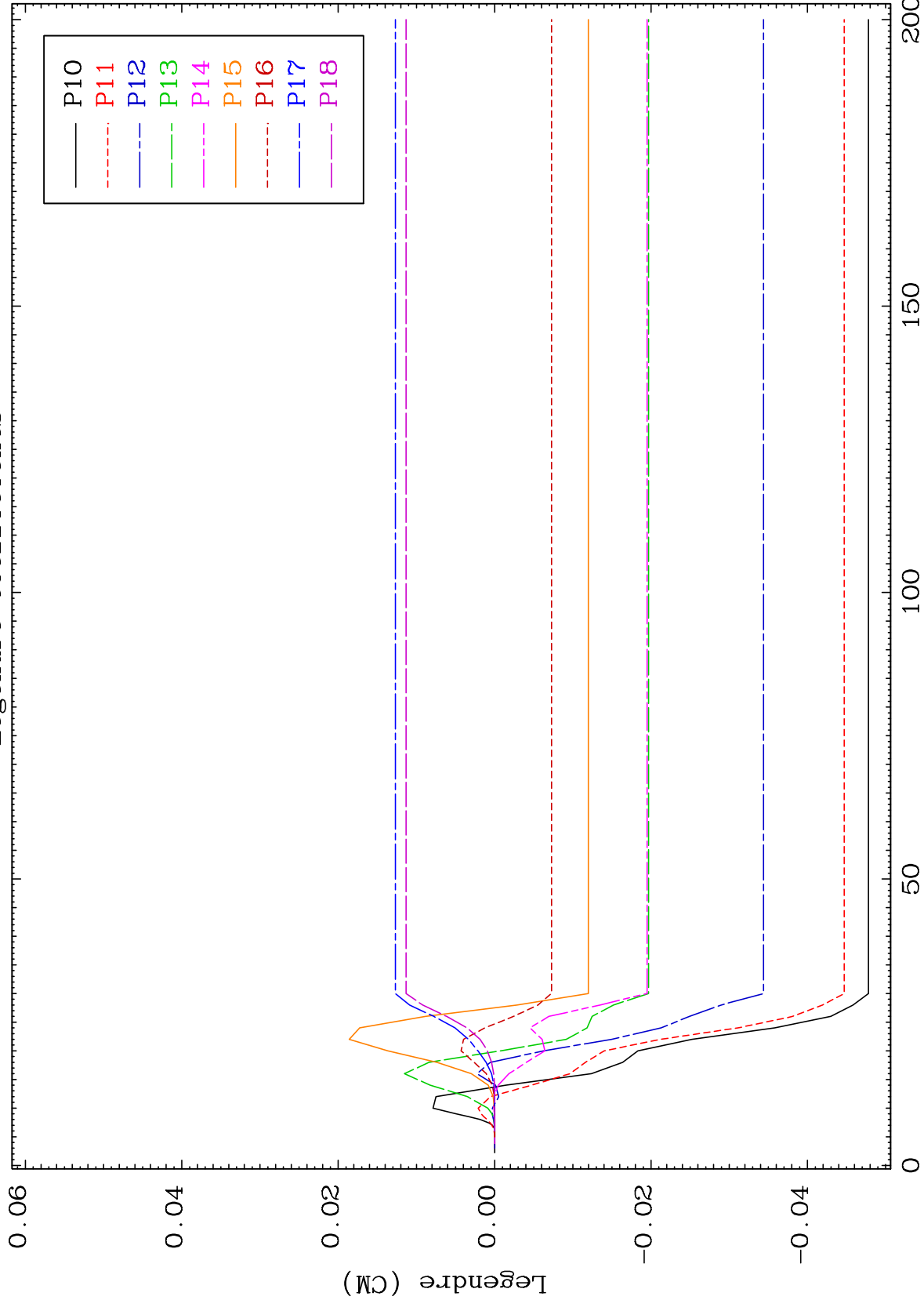
53-I -129



MAT 5331

1.861 MeV (n,n') Level
Legendre Coefficients

53-I -129



118

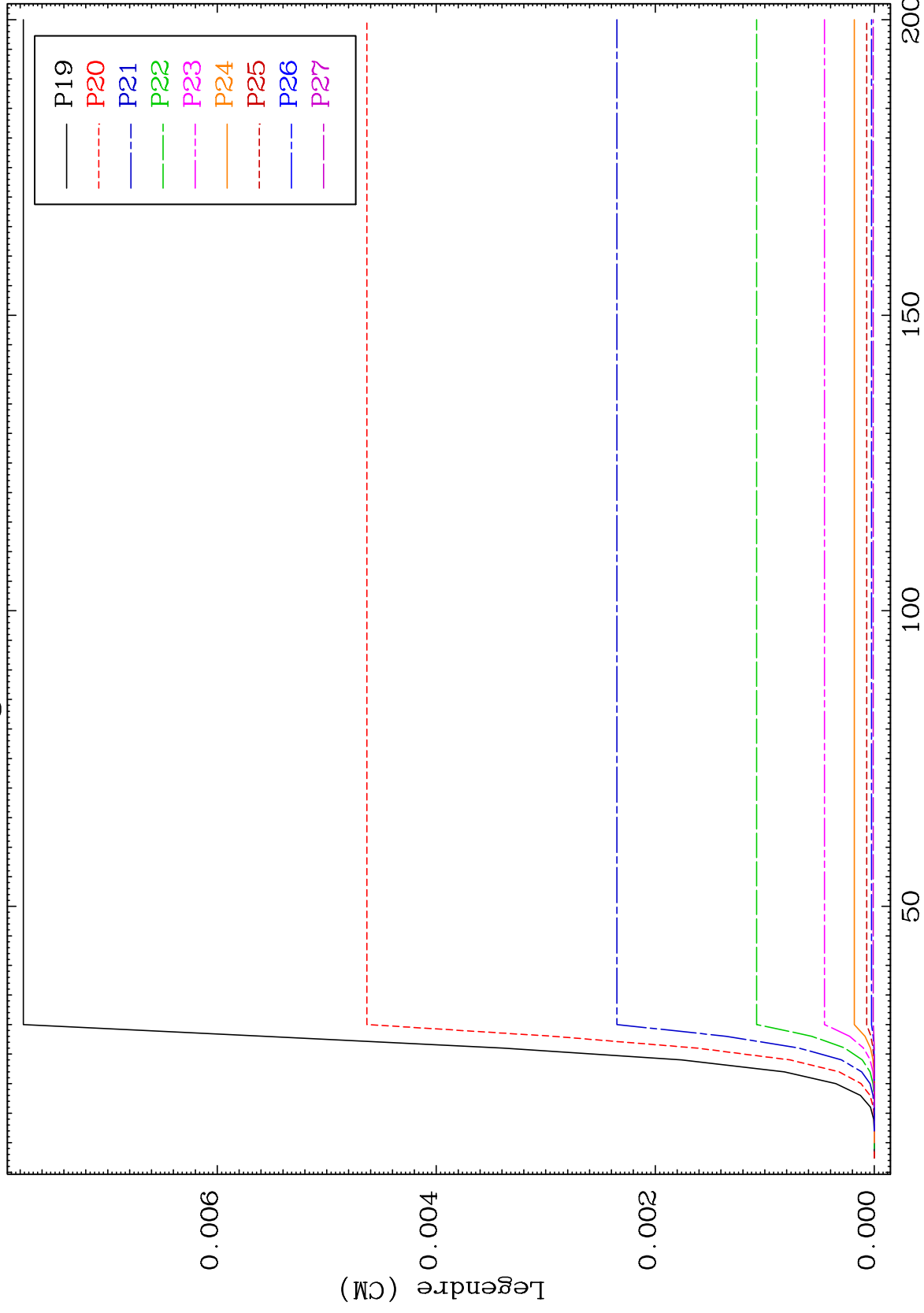
Incident Energy (MeV)

53-I -129

MAT 5331

1.861 MeV (n,n') Level
Legendre Coefficients

53-I -129



119

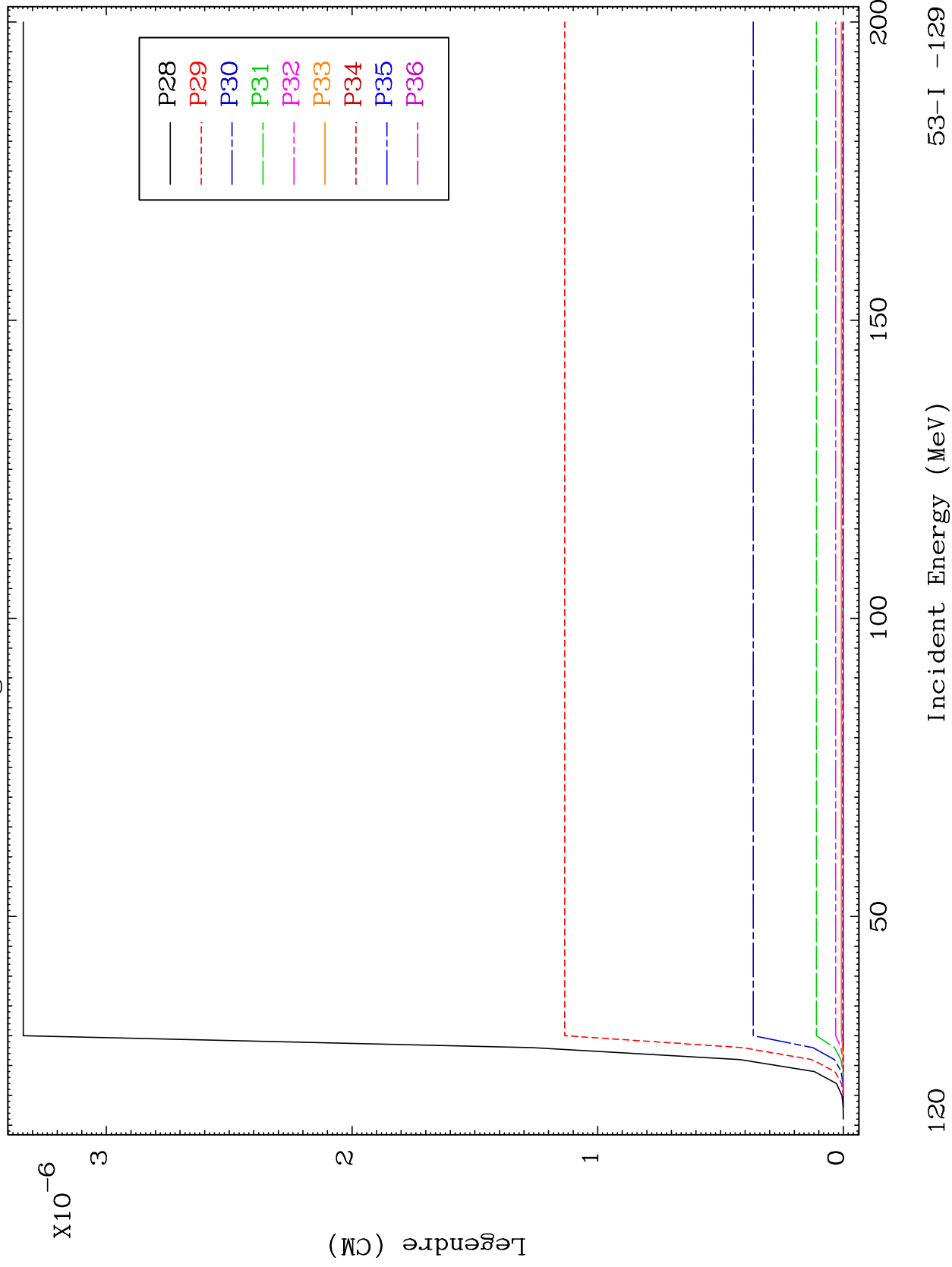
Incident Energy (MeV)

53-I -129

MAT 5331

1.861 MeV (n,n') Level
Legendre Coefficients

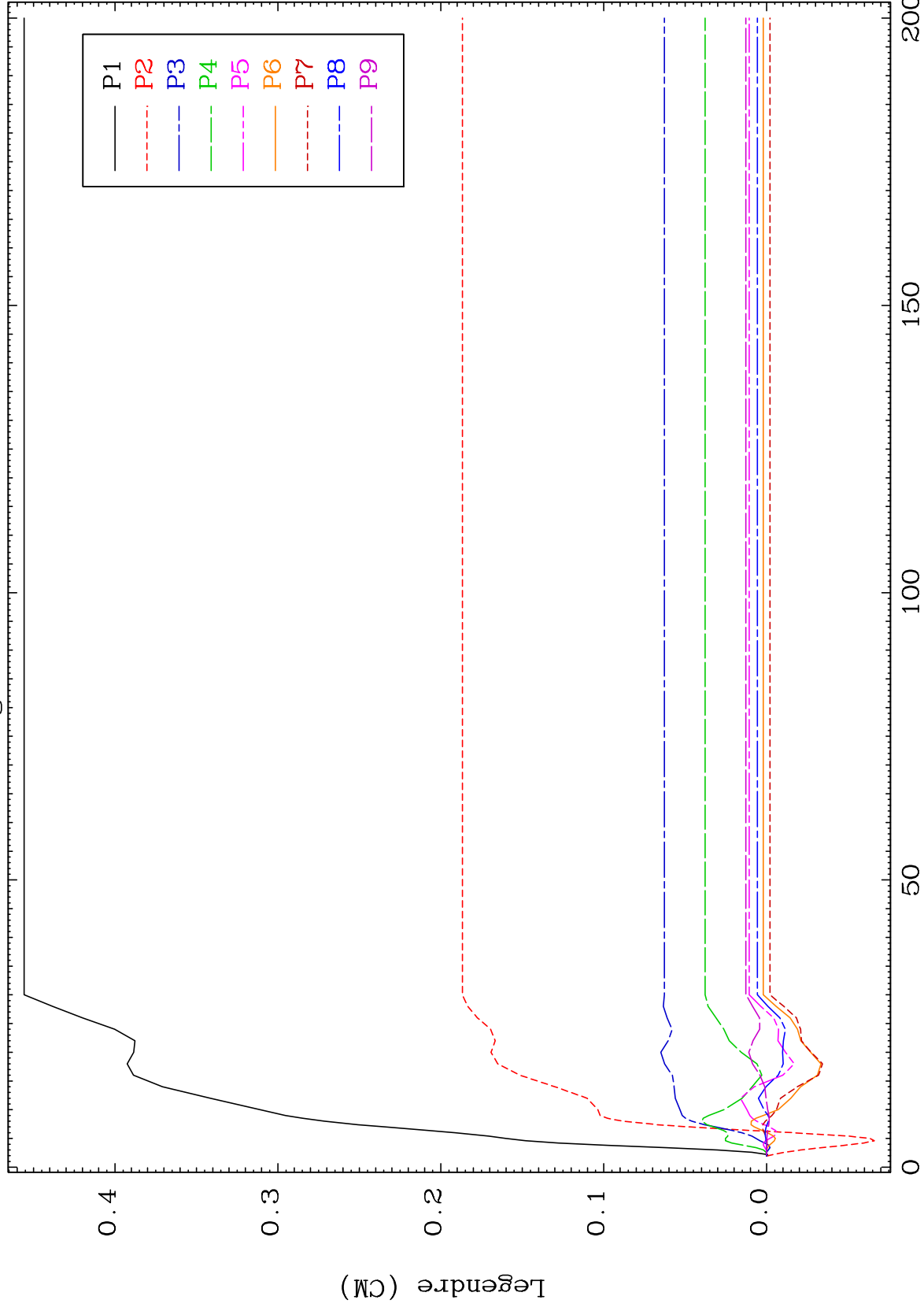
53-I -129



MAT 5331

1.909 MeV (n,n') Level
Legendre Coefficients

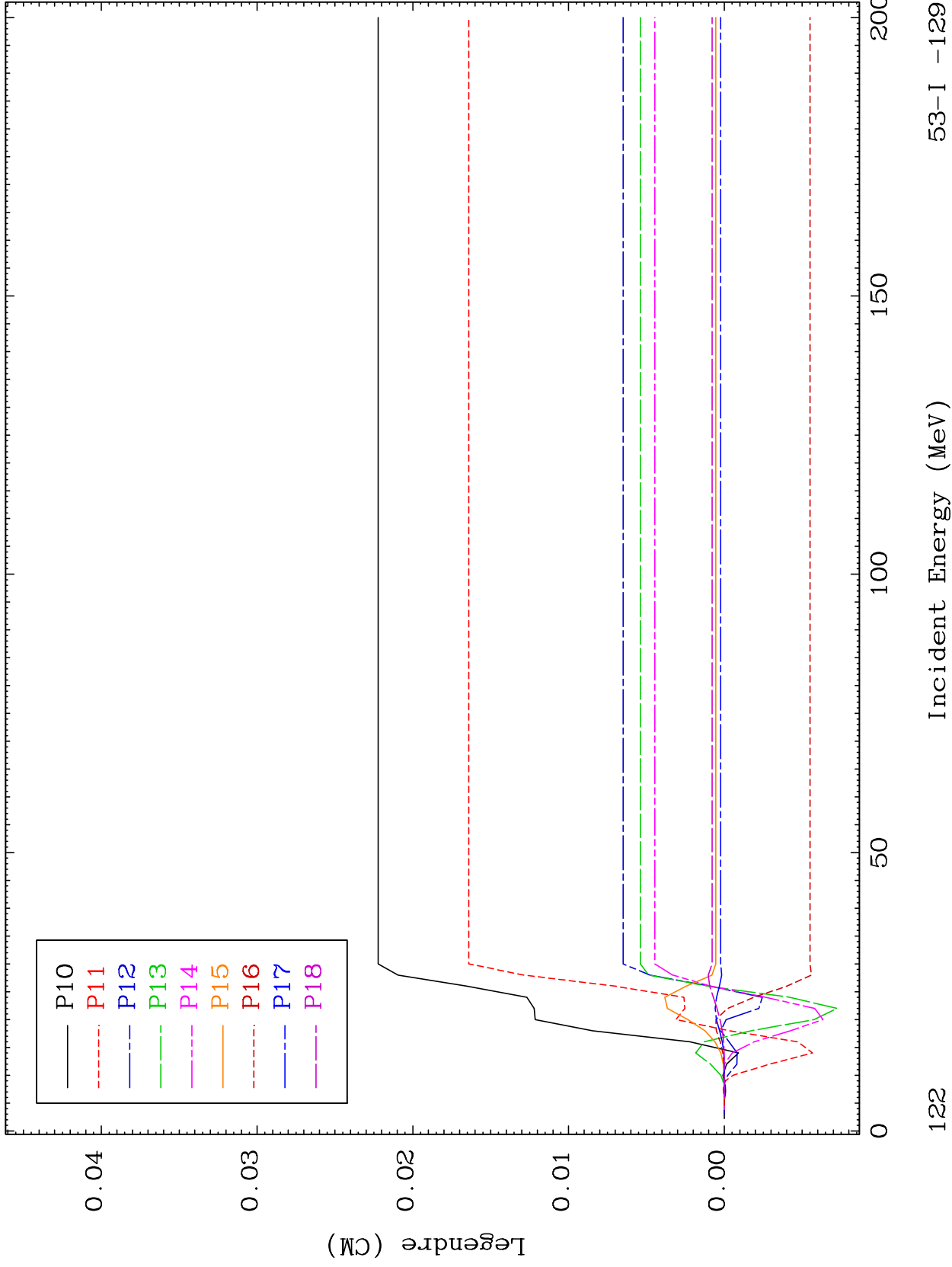
53-I -129

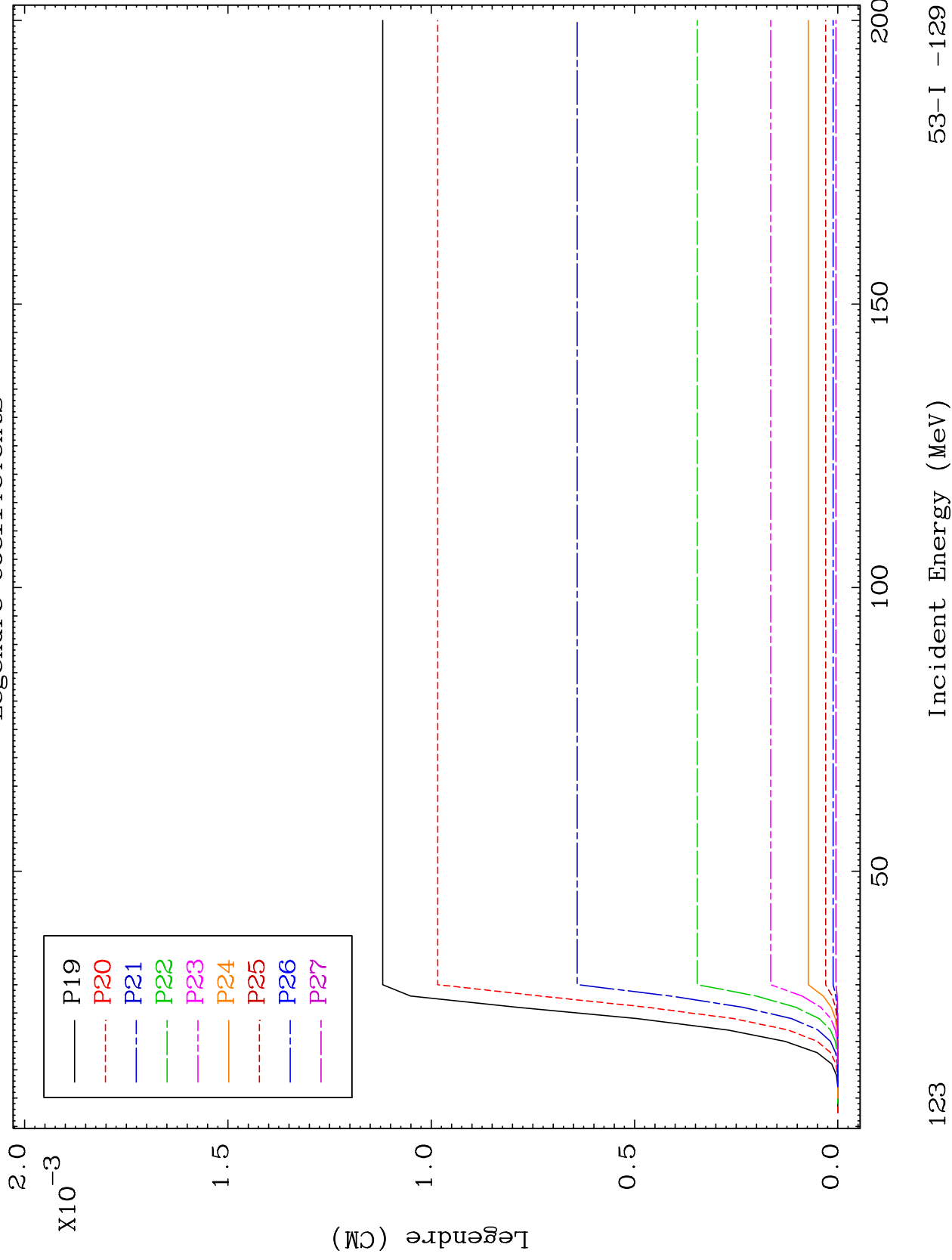


53-I -129

Incident Energy (MeV)

121

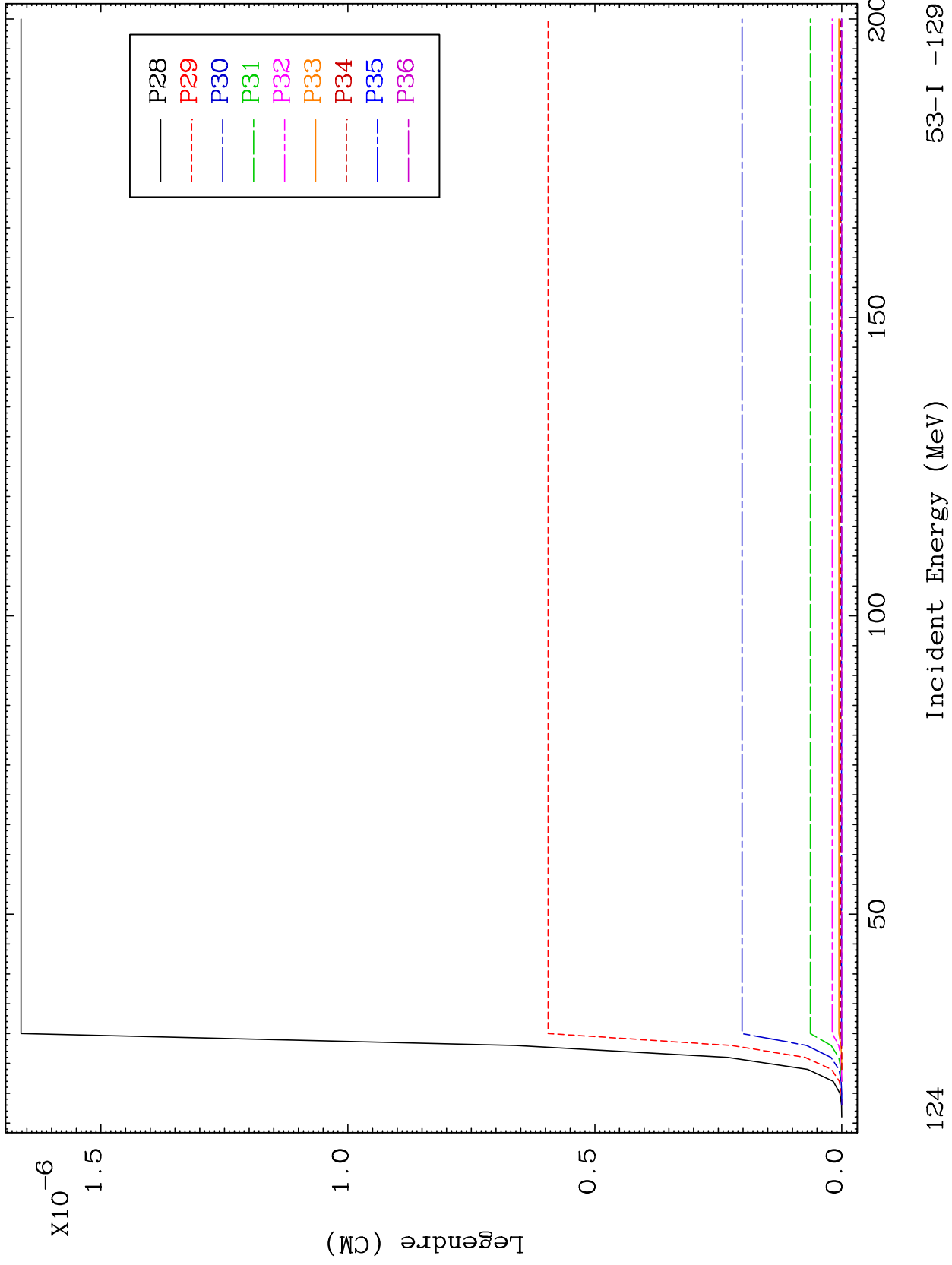




MAT 5331

1.909 MeV (n,n') Level
Legendre Coefficients

53-I -129



124

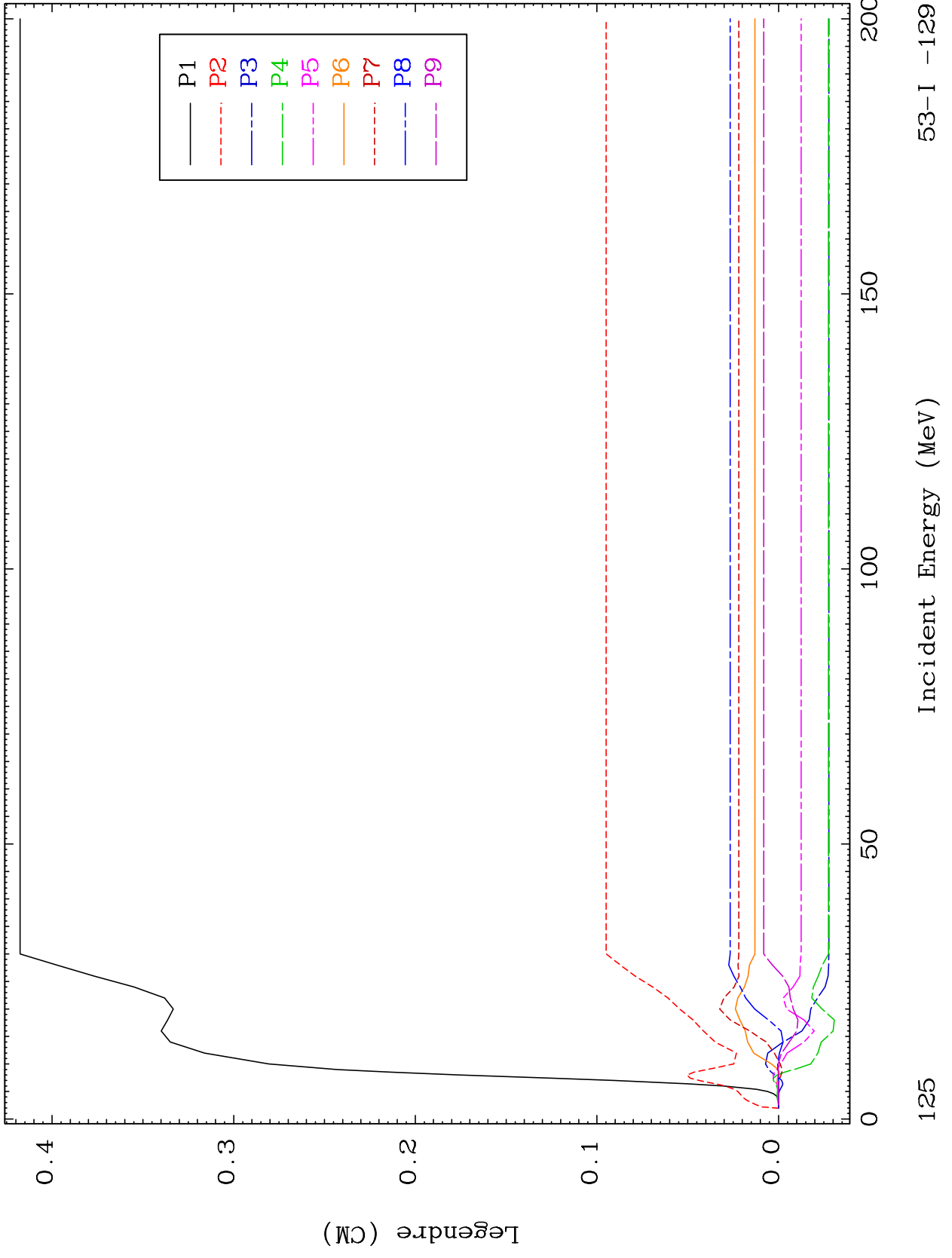
Incident Energy (MeV)

53-I -129

MAT 5331

1.940 MeV (n,n') Level
Legendre Coefficients

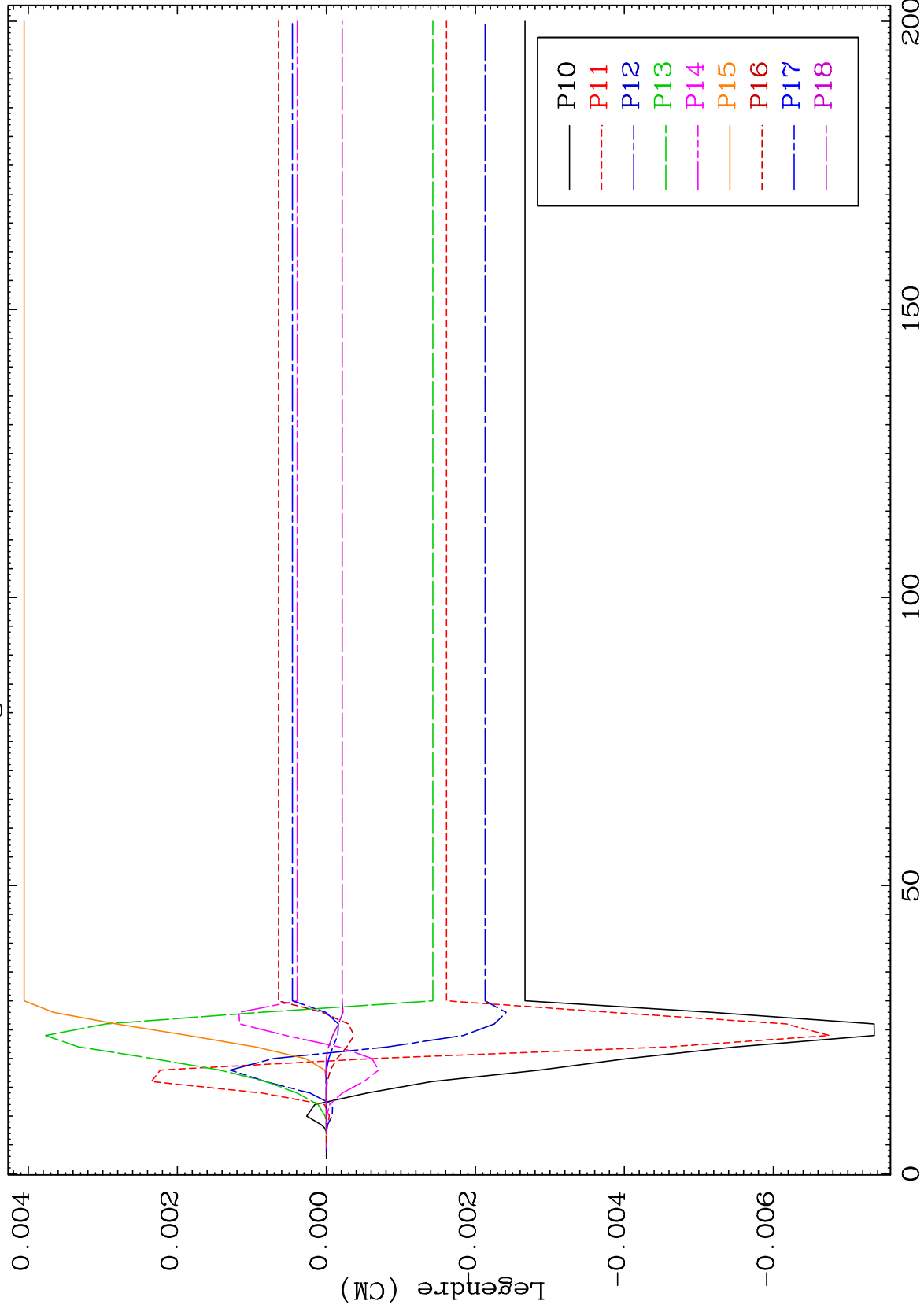
53-I -129

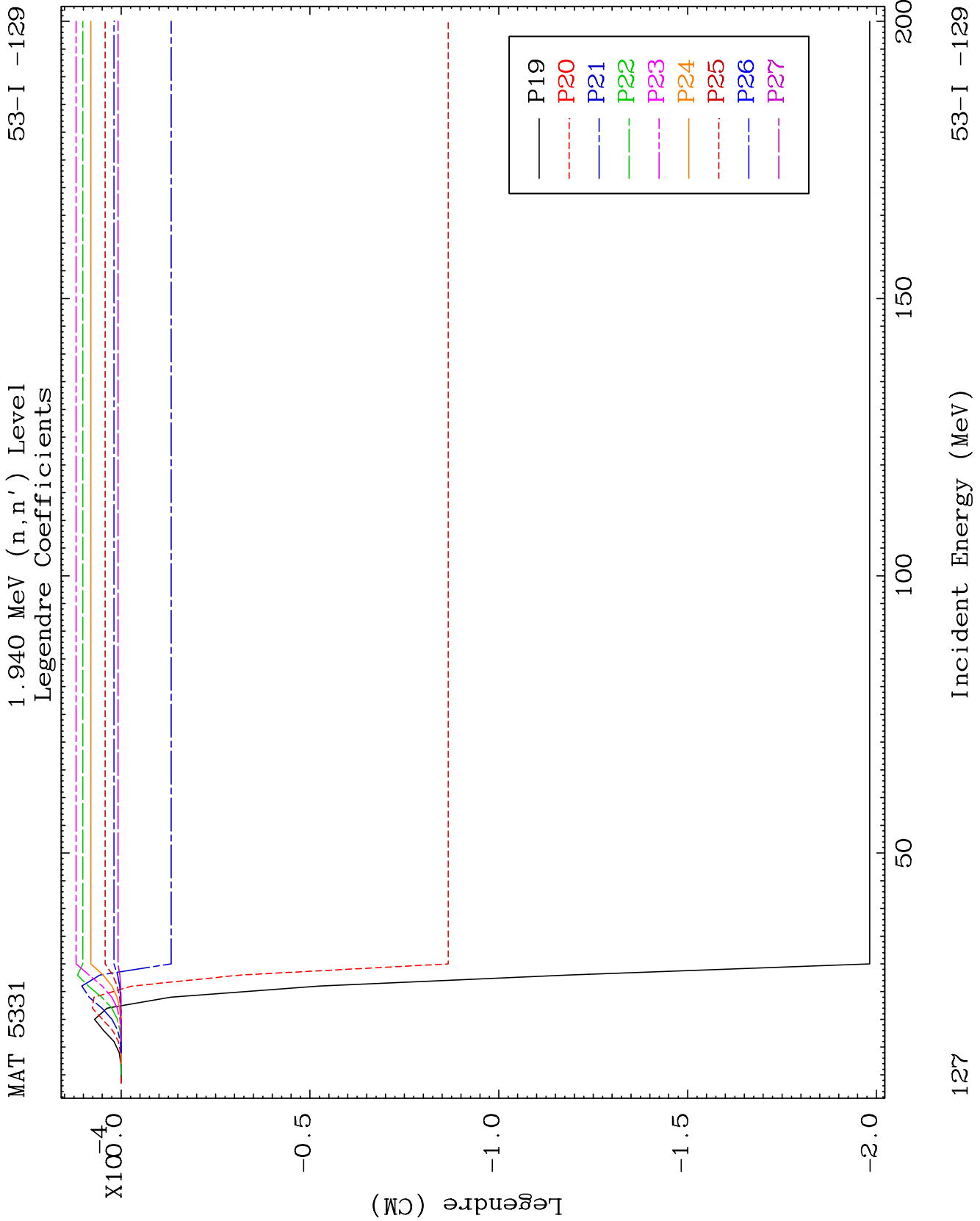


53-I -129

Incident Energy (MeV)

125

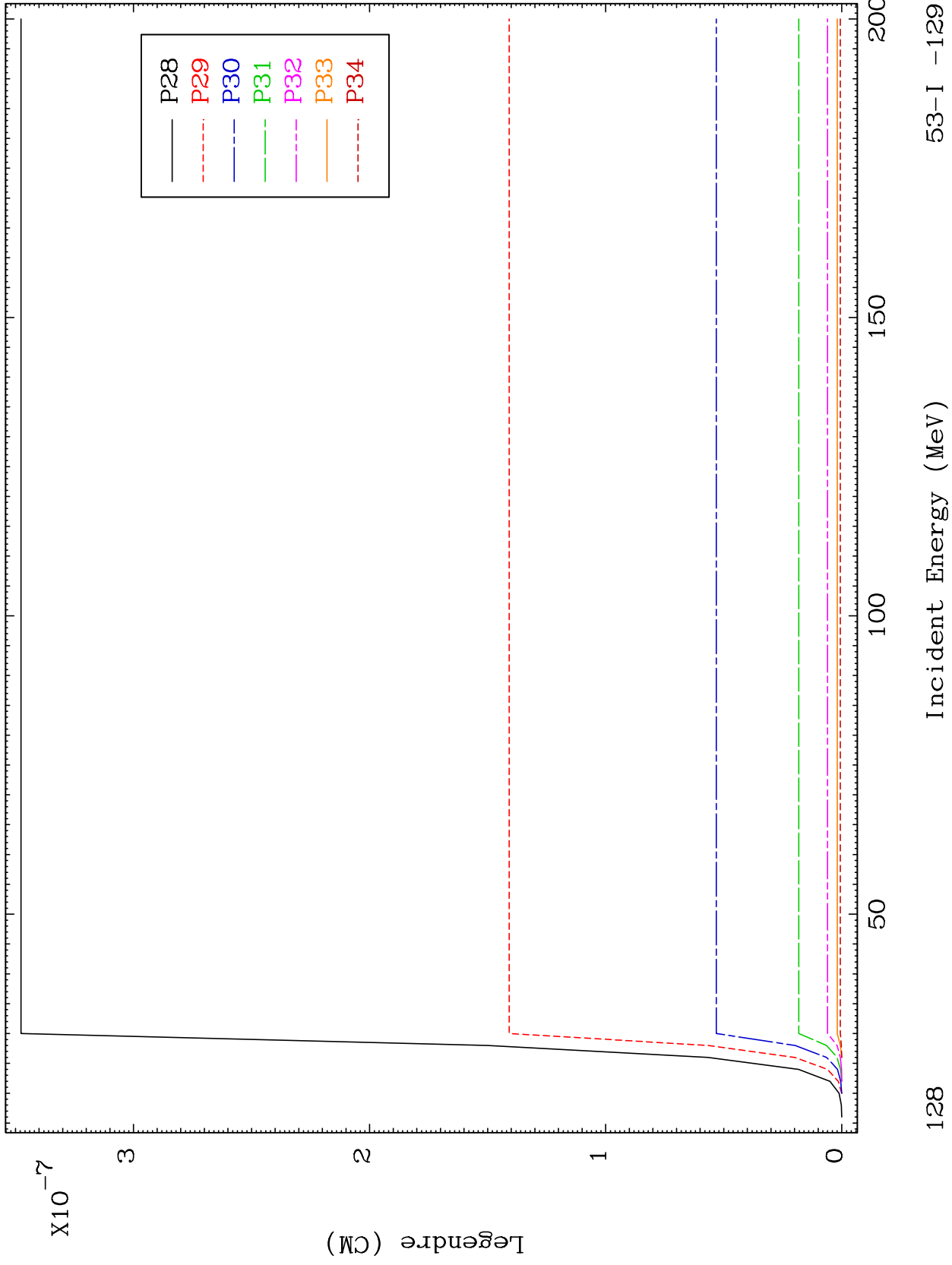




MAT 5331

1.940 MeV (n,n') Level
Legendre Coefficients

53-I -129



128

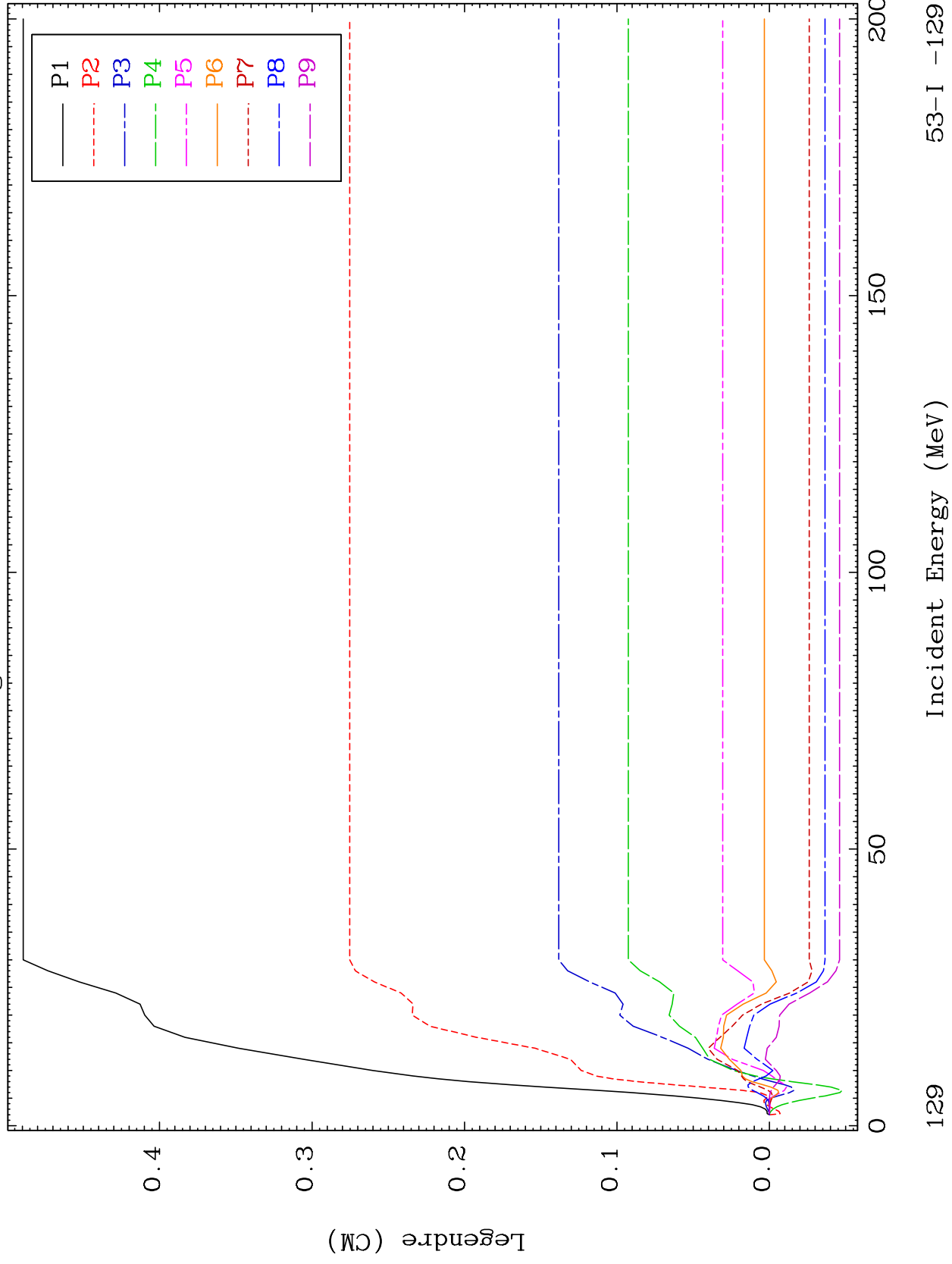
Incident Energy (MeV)

53-I -129

MAT 5331

1.963 MeV (n,n') Level
Legendre Coefficients

53-I -129



53-I -129

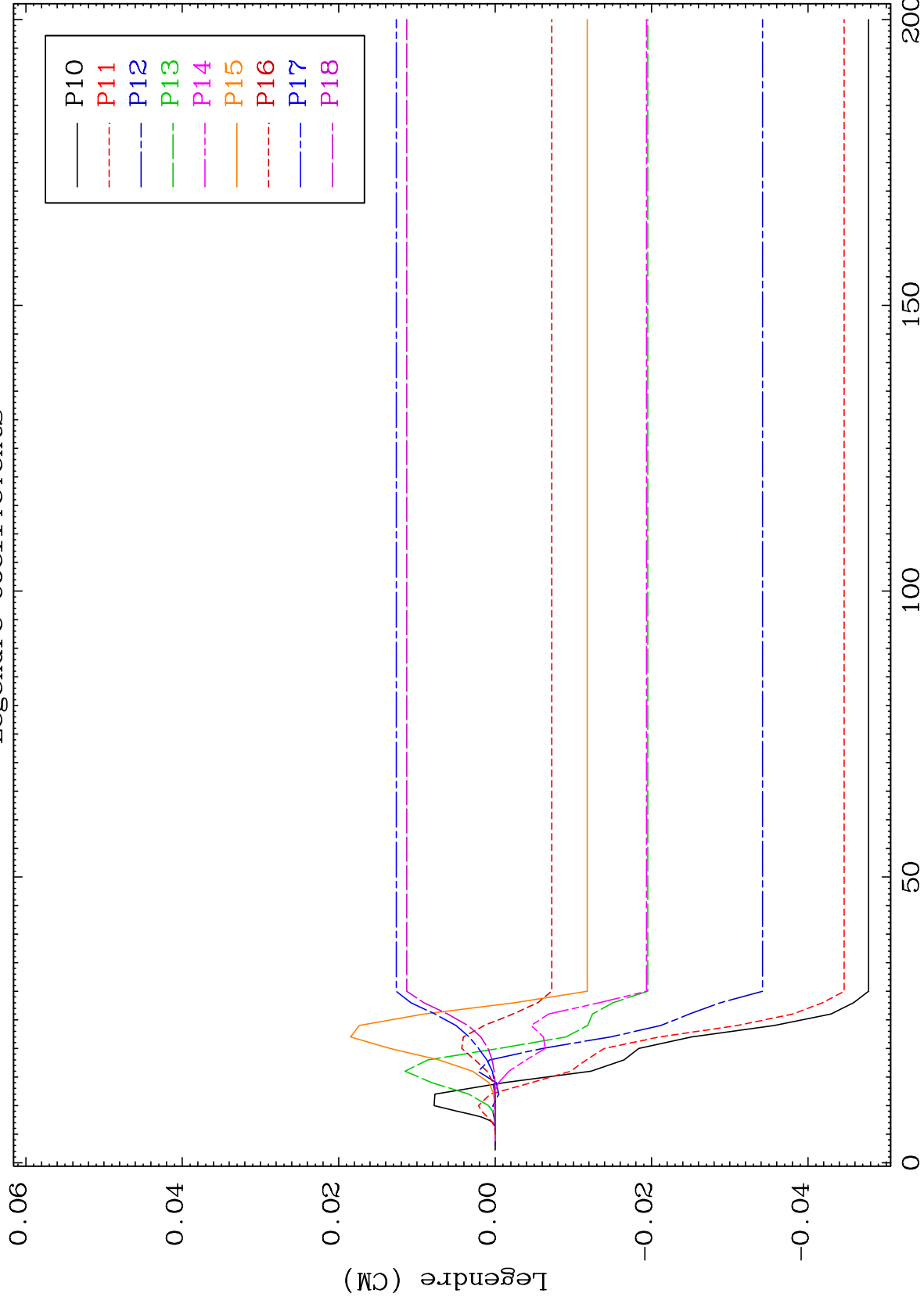
Incident Energy (MeV)

129

MAT 5331

1.963 MeV (n,n') Level
Legendre Coefficients

53-I -129



130

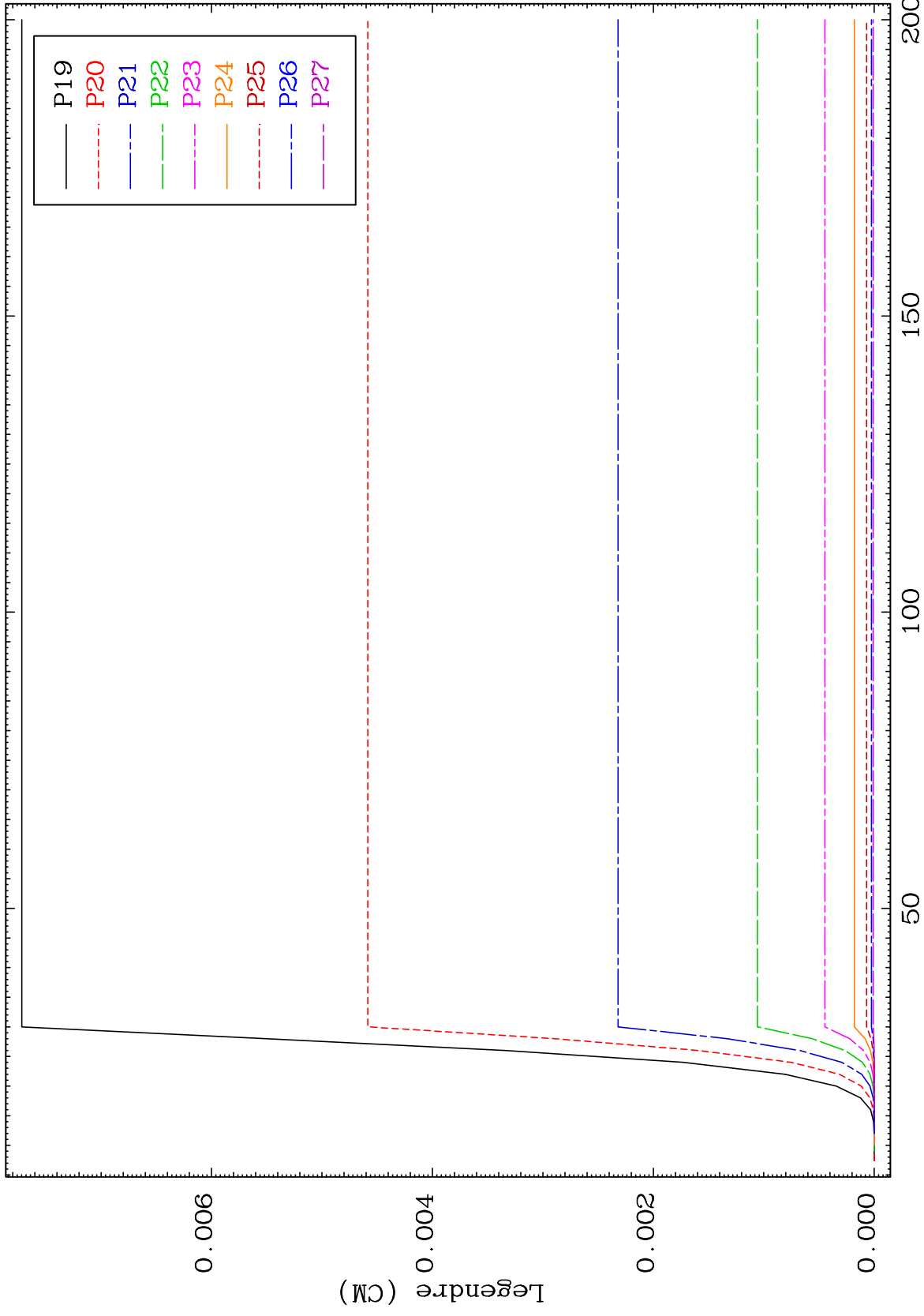
Incident Energy (MeV)

53-I -129

MAT 5331

1.963 MeV (n,n') Level
Legendre Coefficients

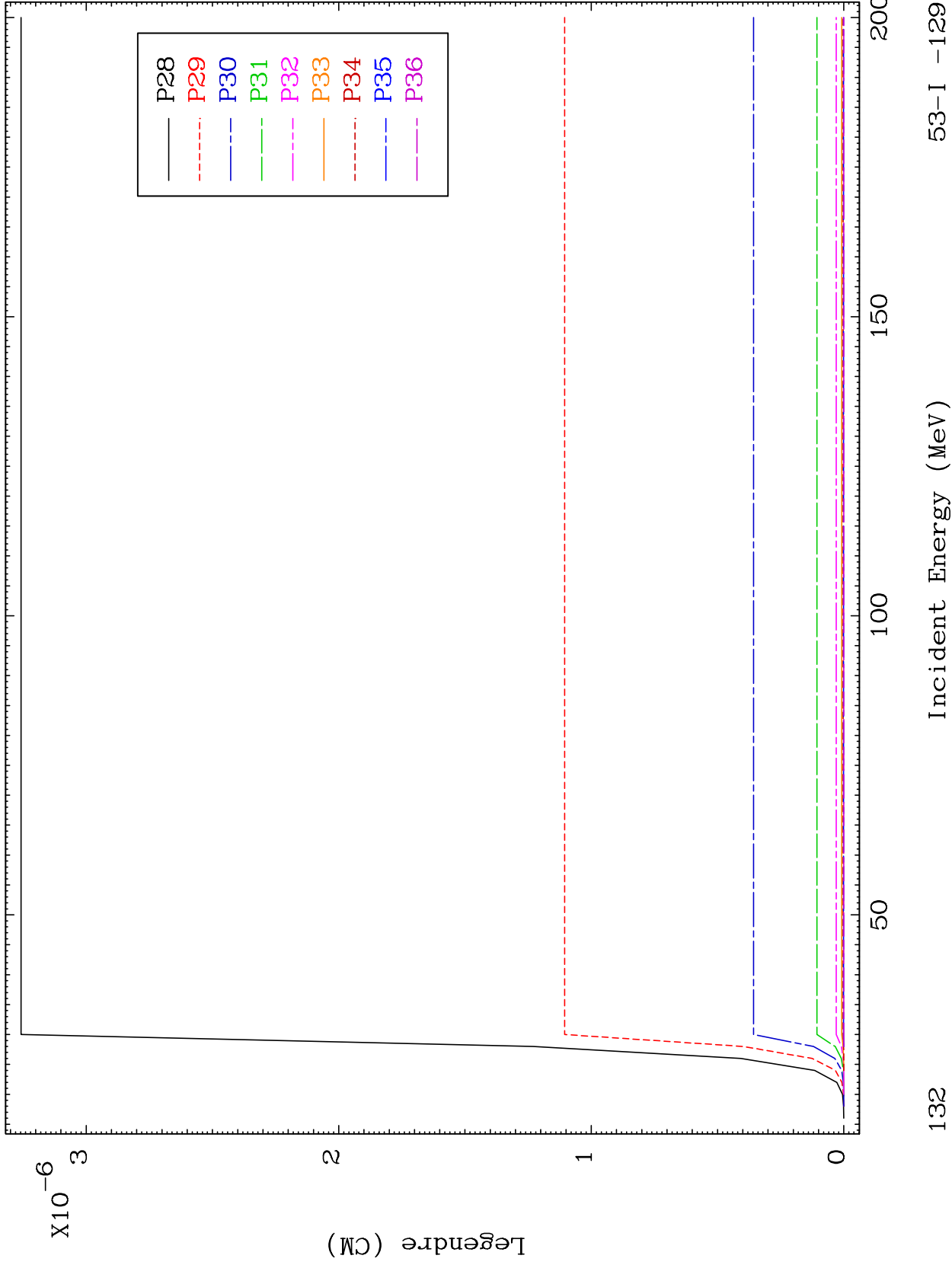
53-I -129

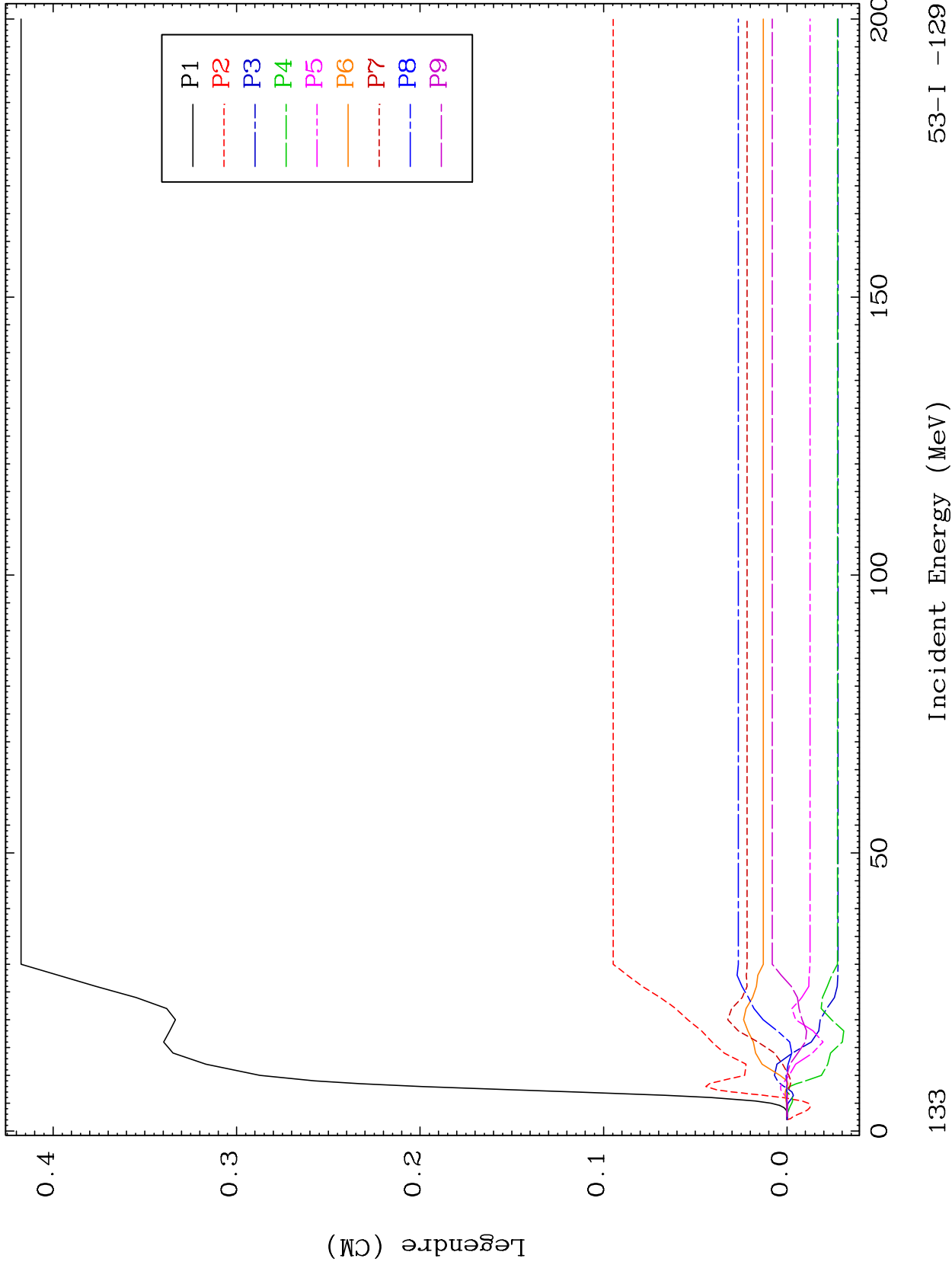


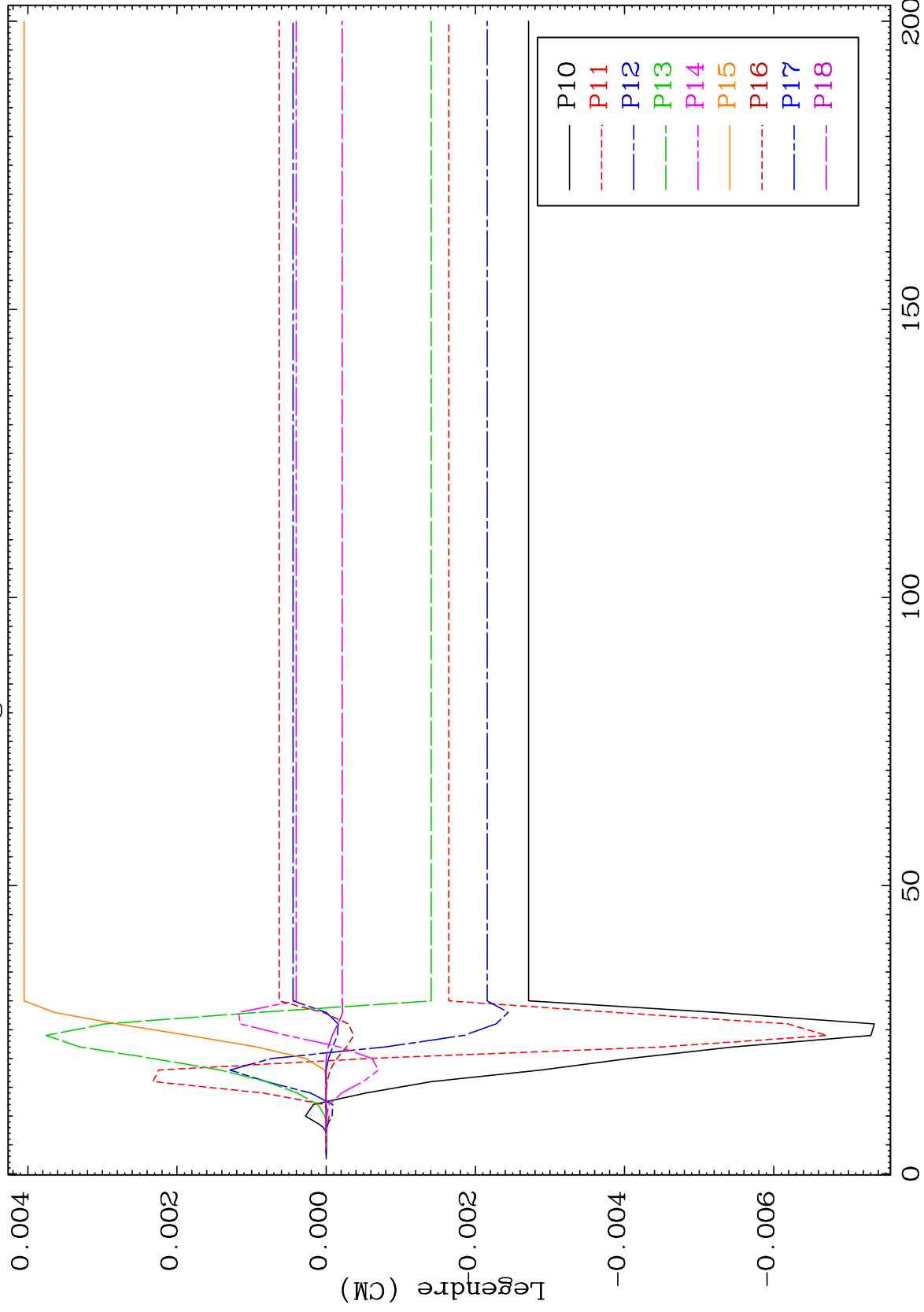
131

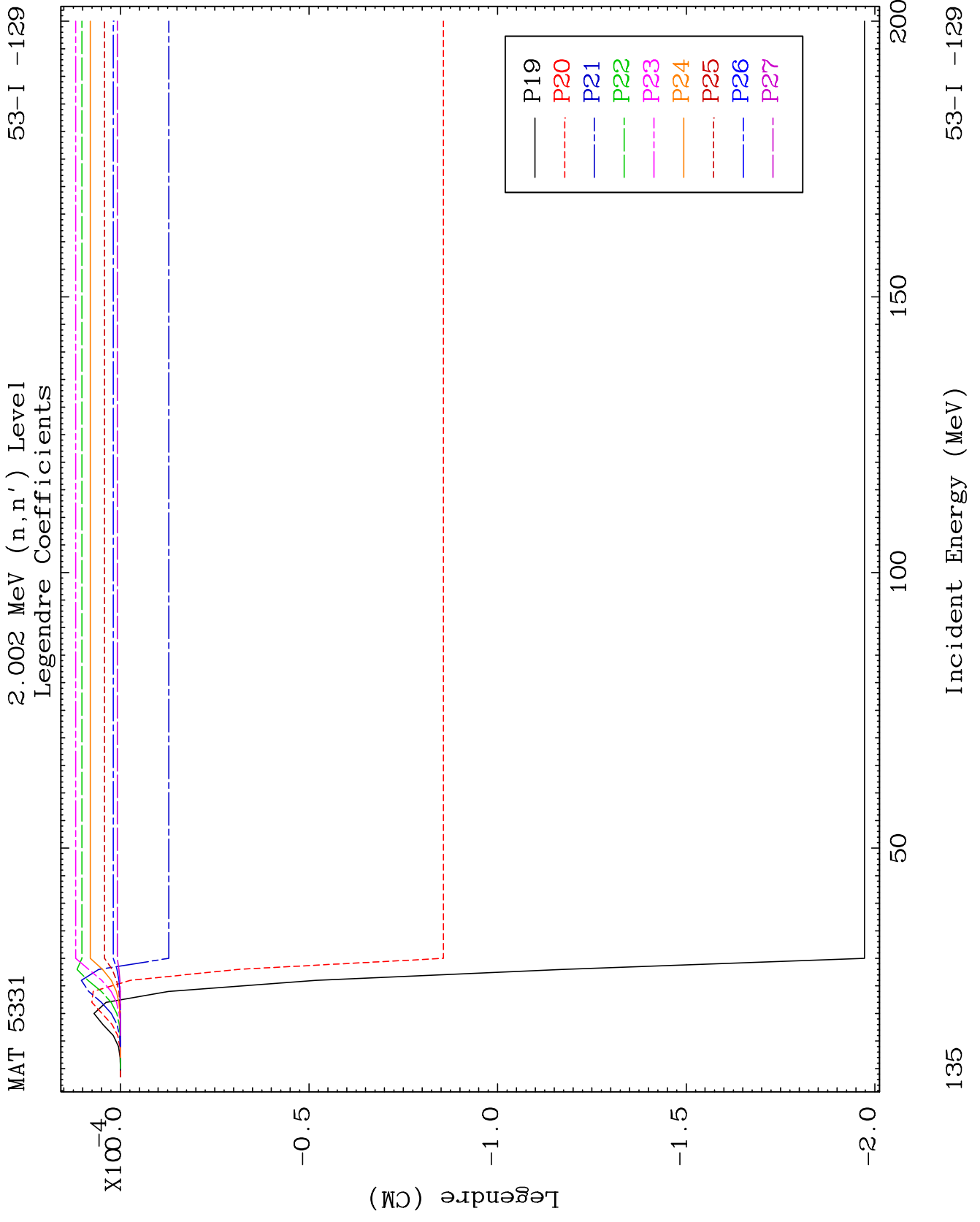
Incident Energy (MeV)

53-I -129





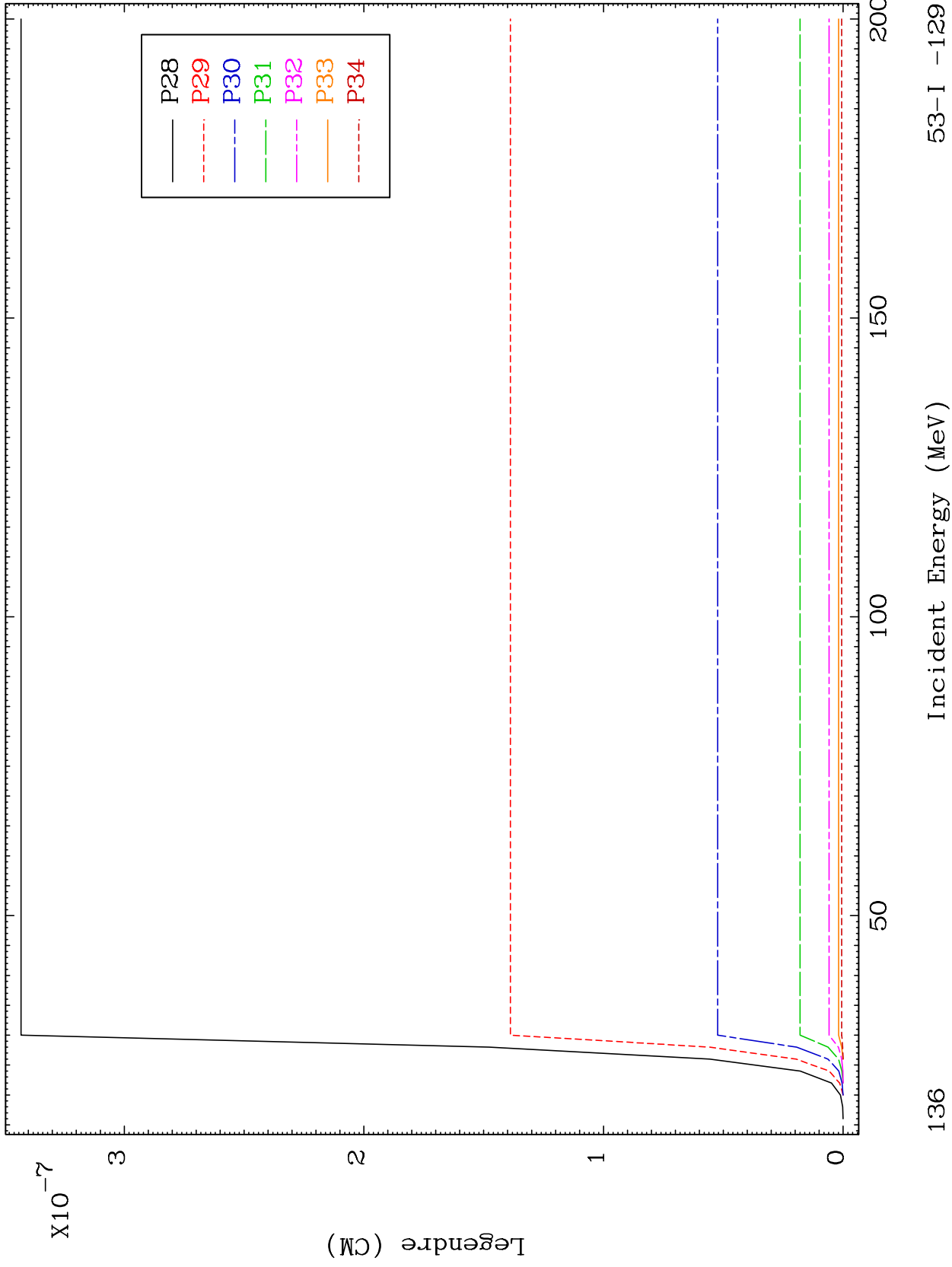




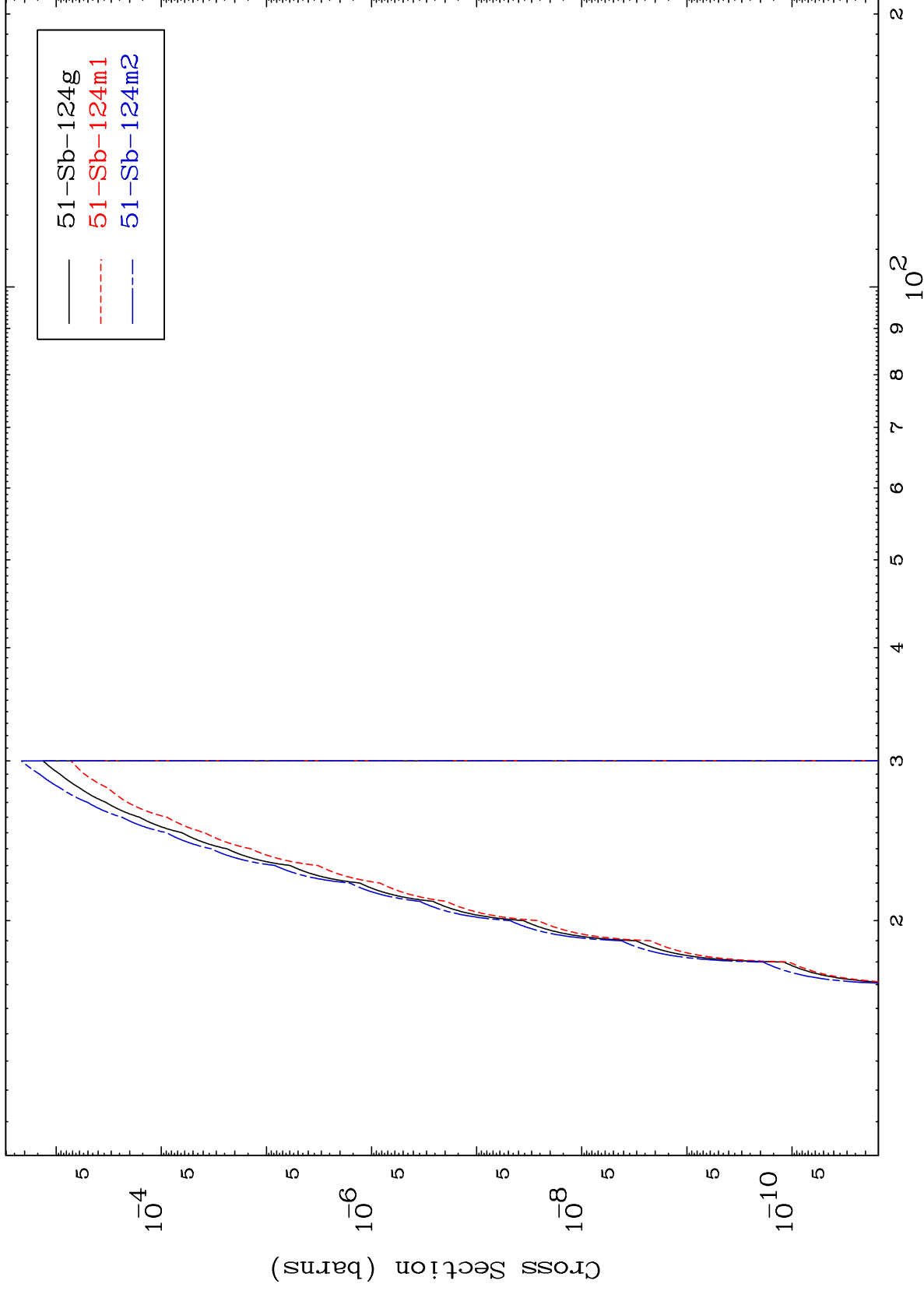
MAT 5331

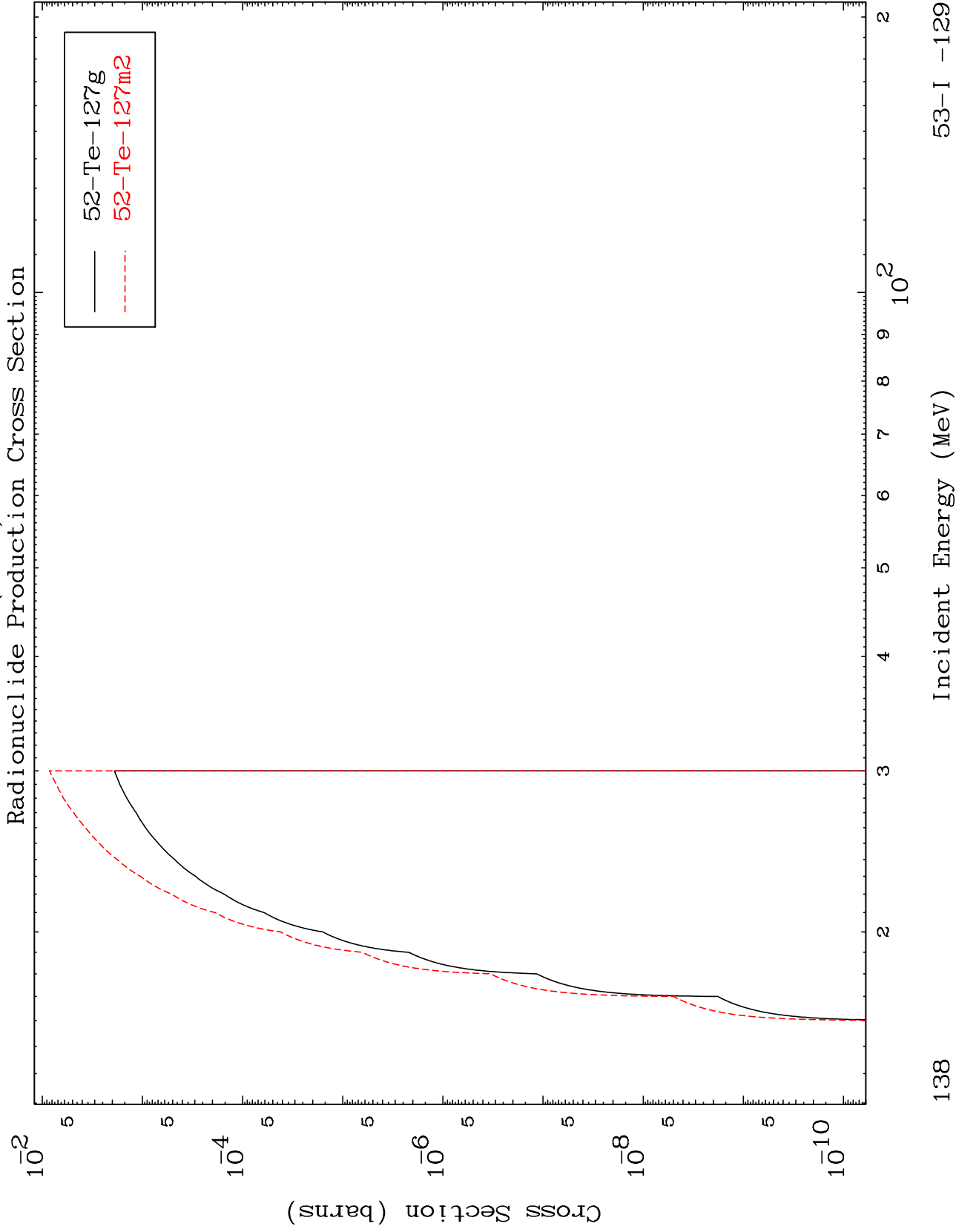
2.002 MeV (n,n') Level
Legendre Coefficients

53-I -129

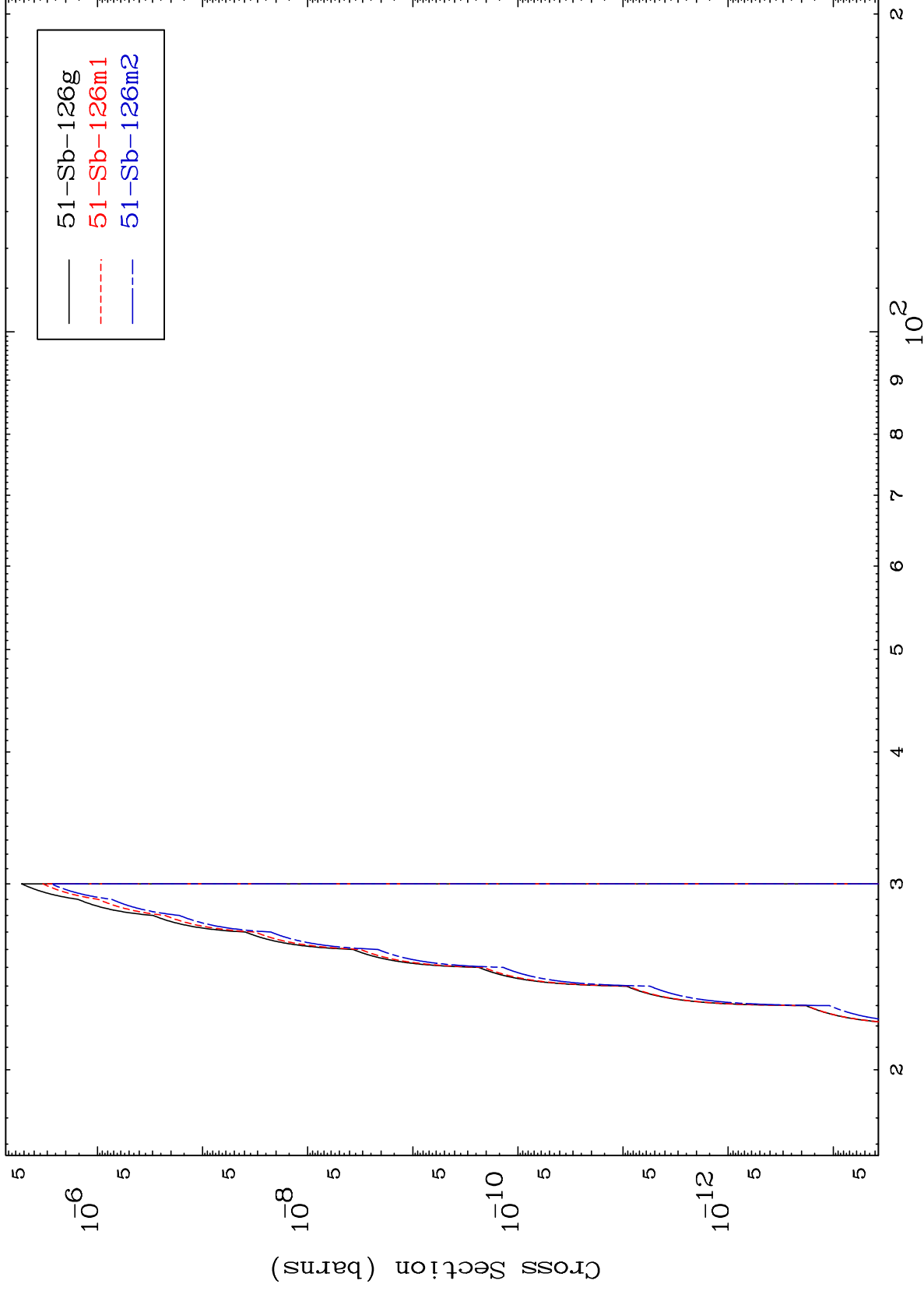


Radionuclide Production Cross Section

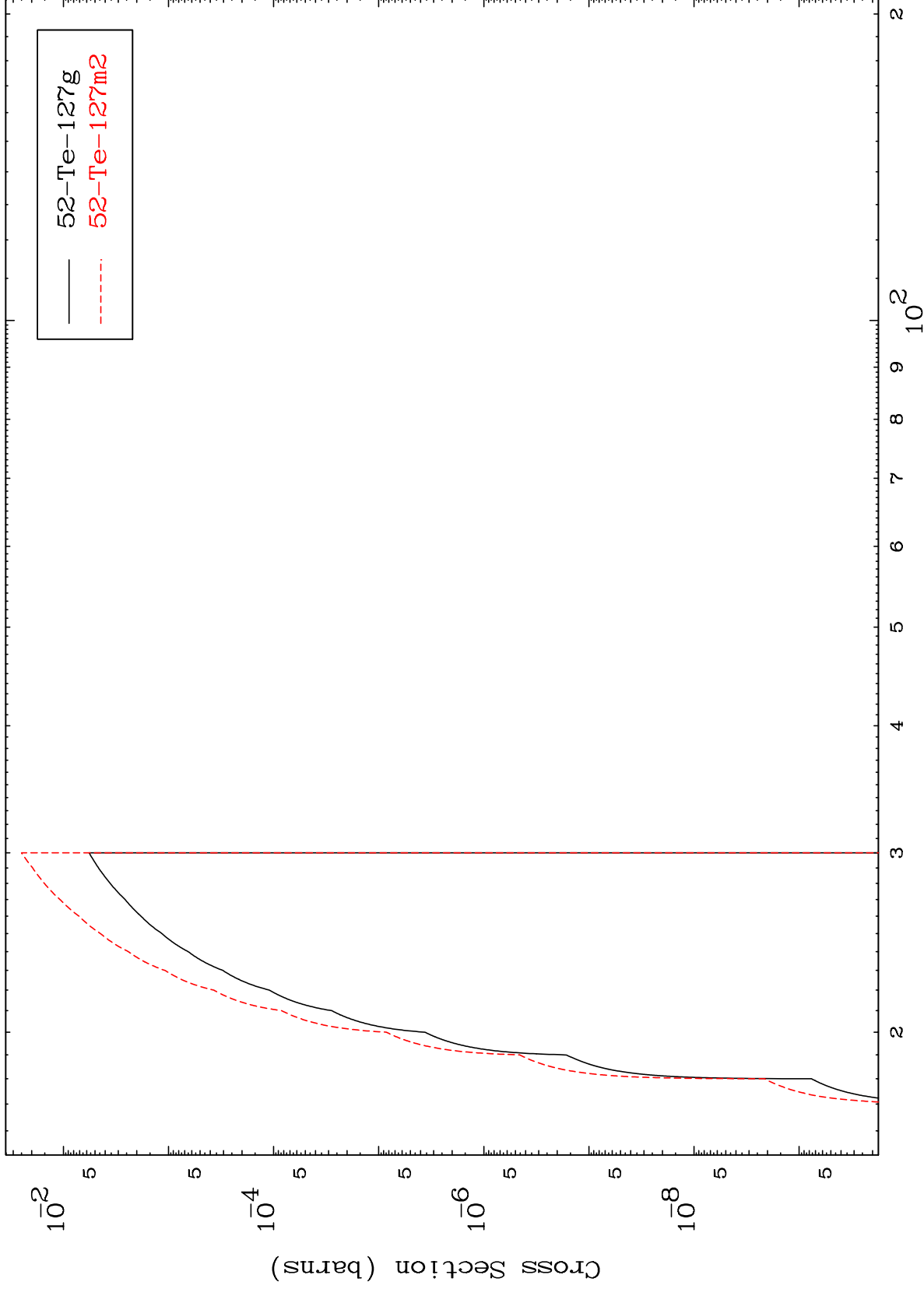




Radionuclide Production Cross Section



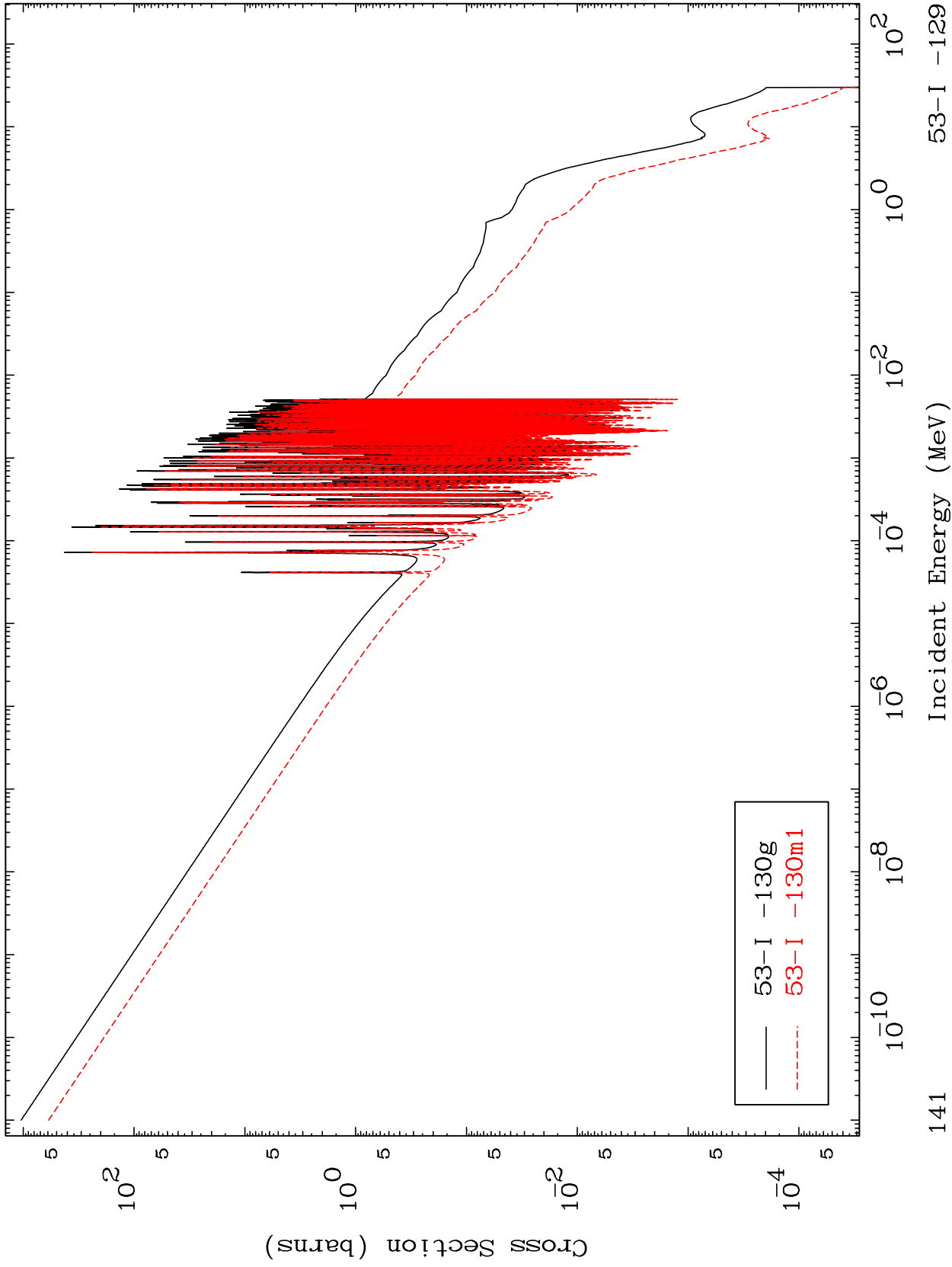
Radionuclide Production Cross Section



MAT 5331

53-I -129

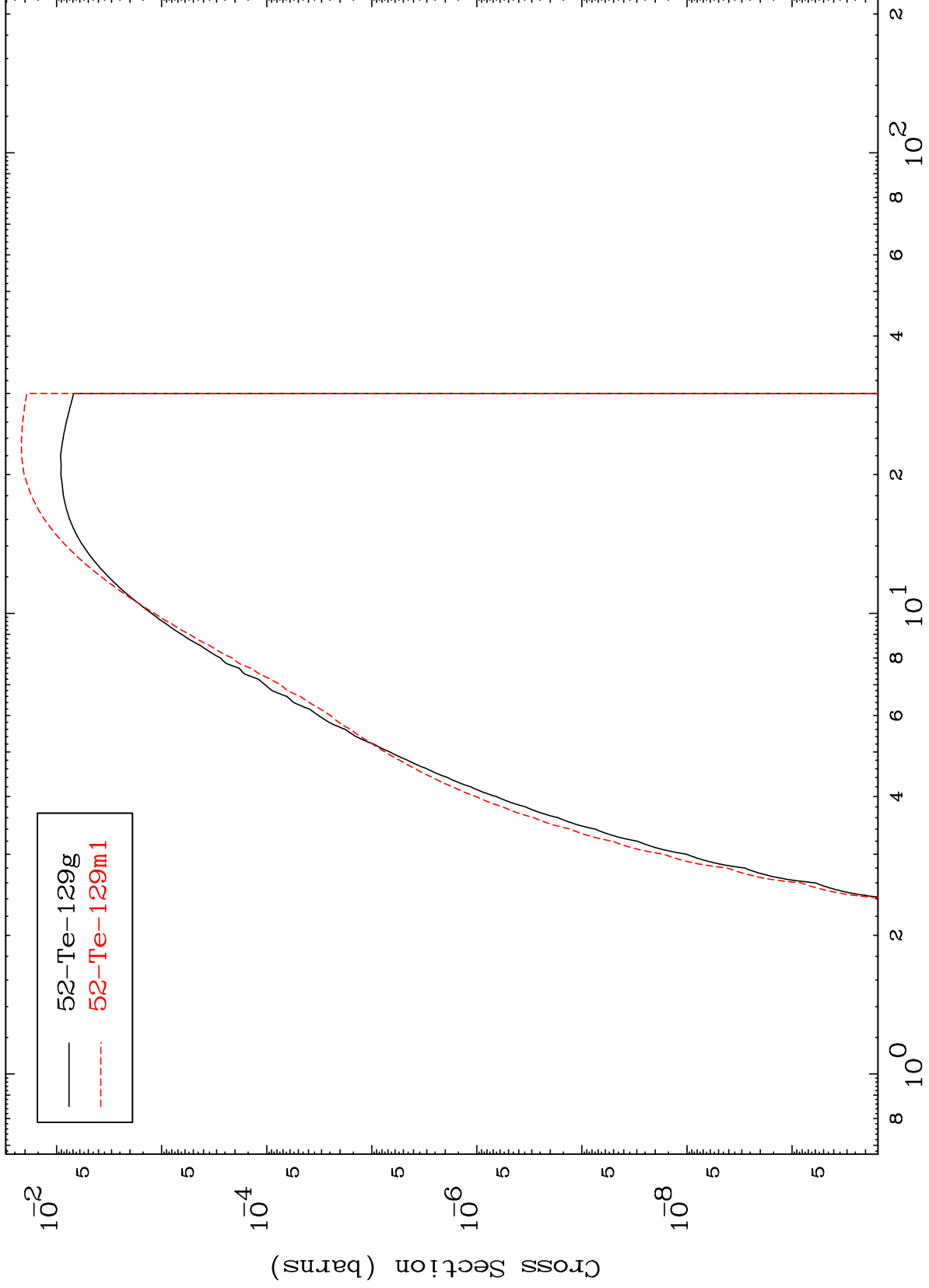
(n,γ)
Radionuclide Production Cross Section



MAT 5331

53-I -129

(n,p)
Radionuclide Production Cross Section

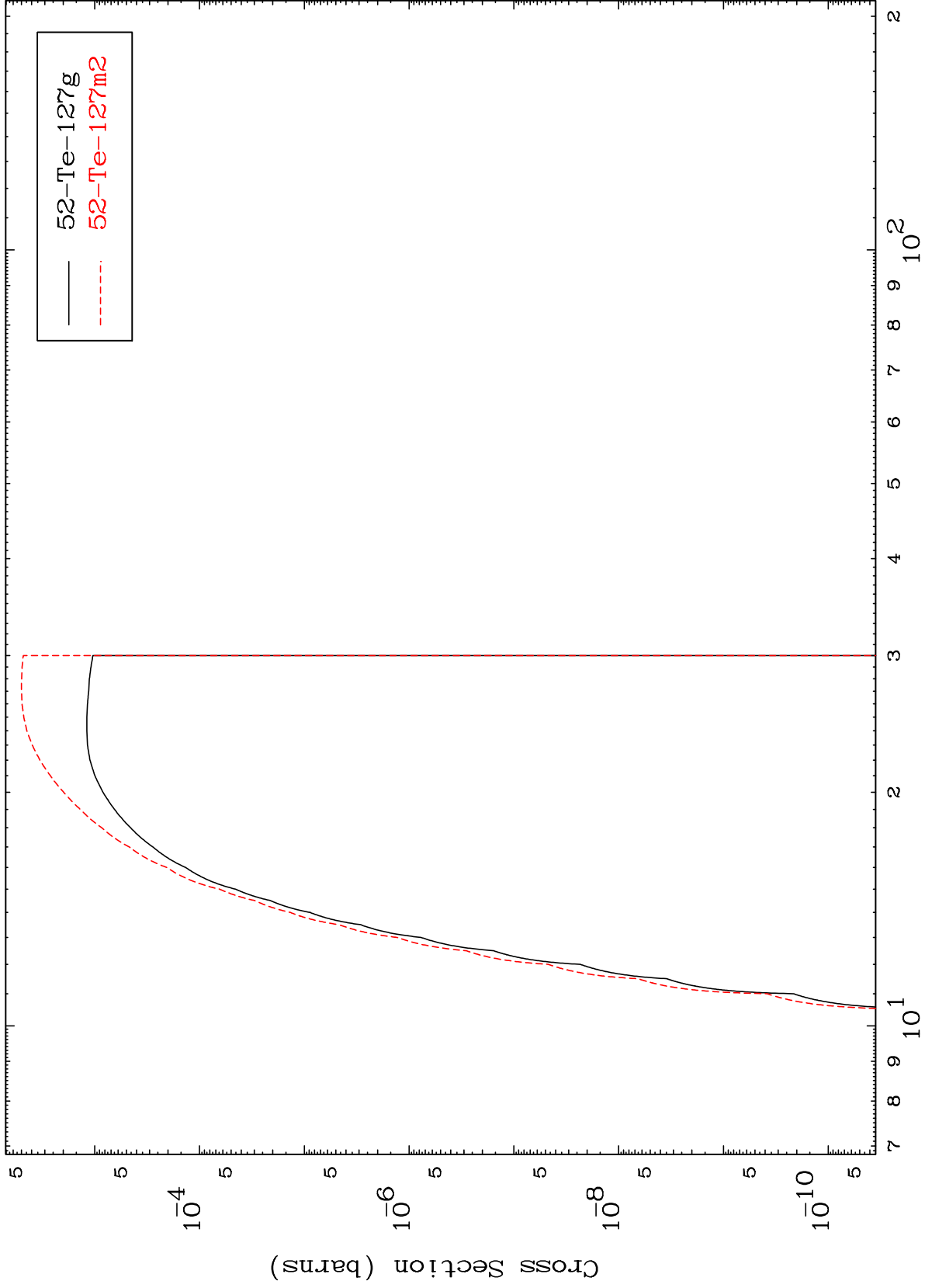


142

Incident Energy (MeV)

53-I -129

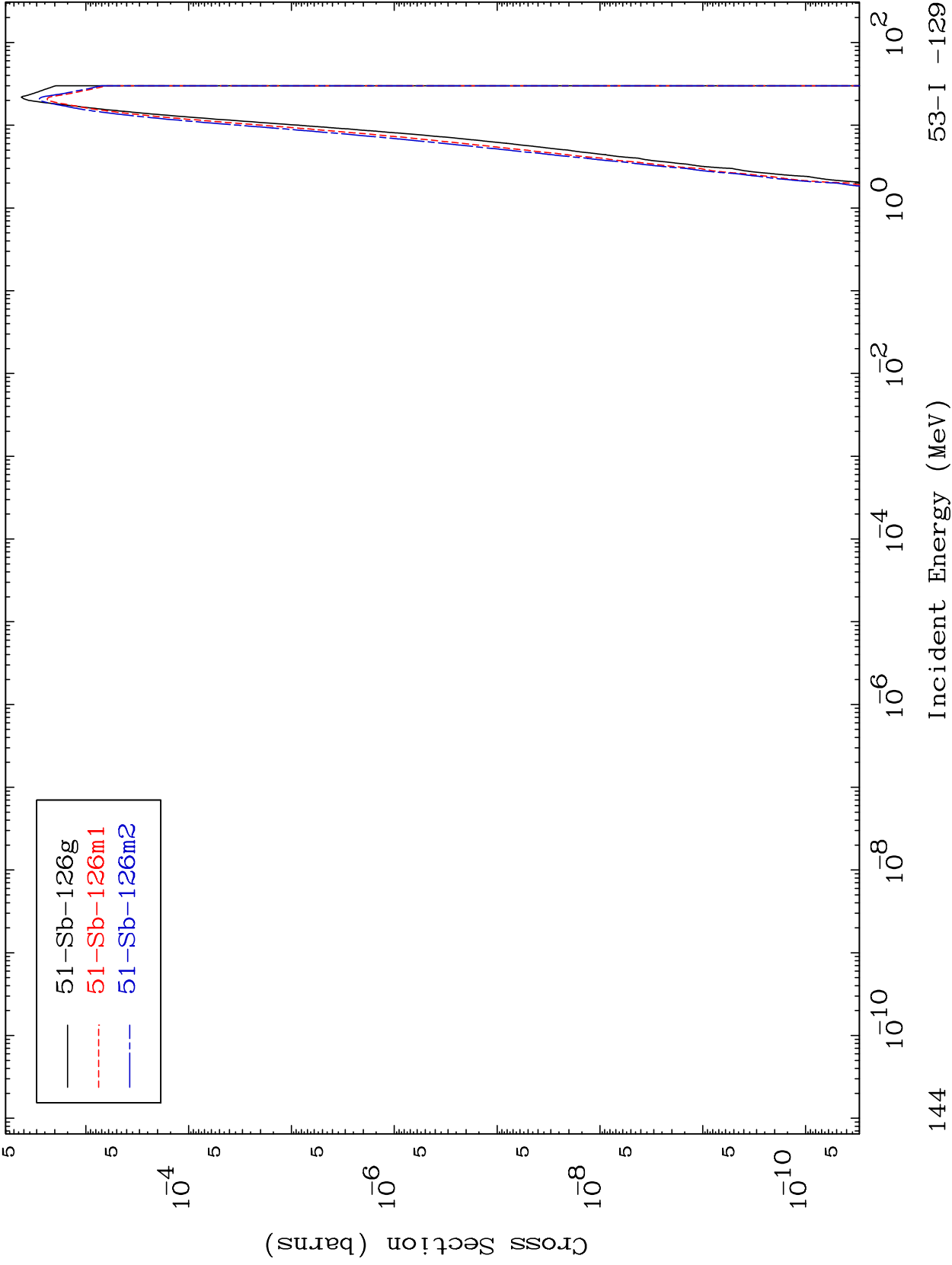
(n,t)
Radionuclide Production Cross Section



MAT 5331

53-I -129

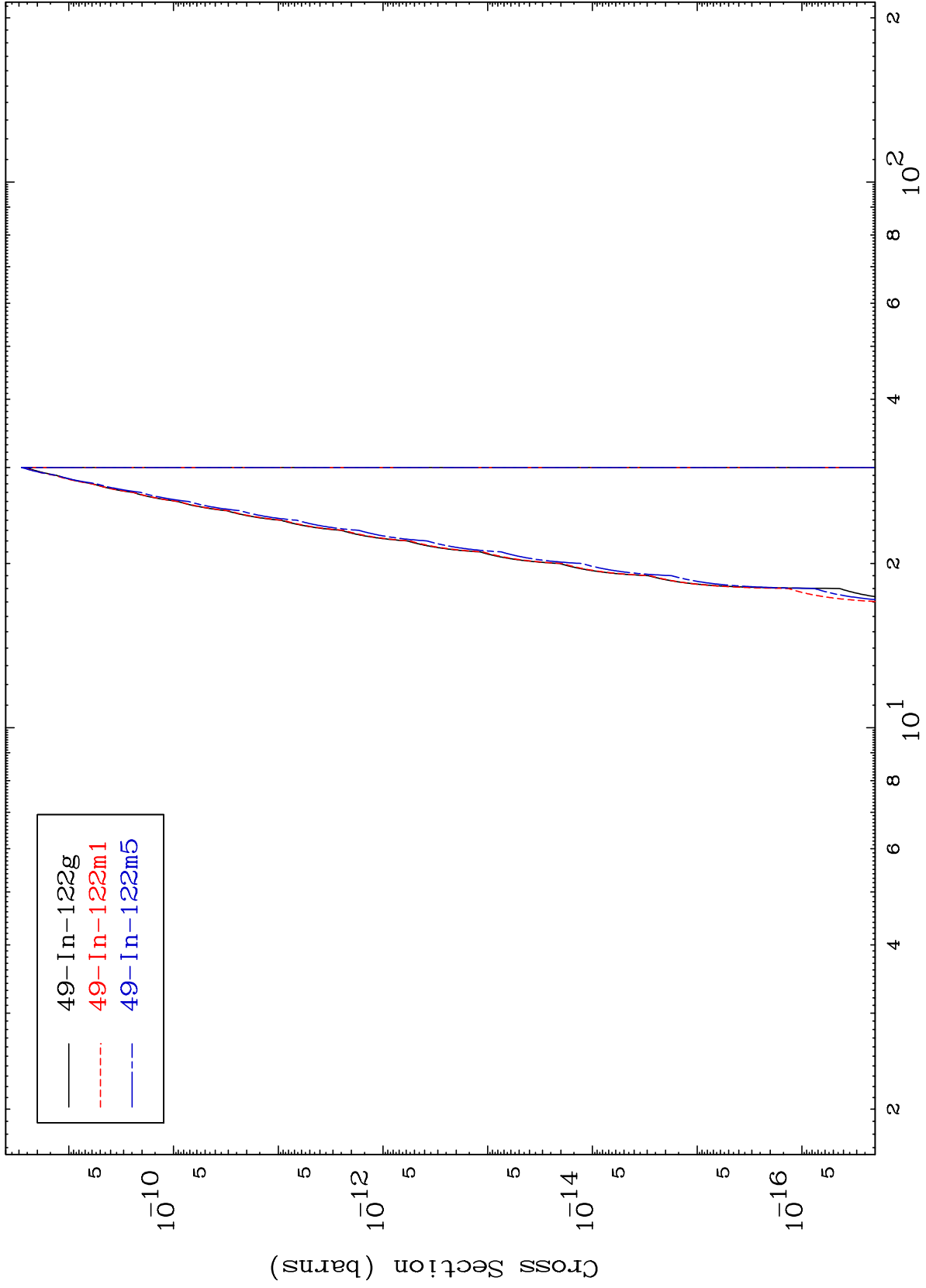
Radionuclide Production Cross Section



MAT 5331

53-I -129

(n,2α)
Radionuclide Production Cross Section

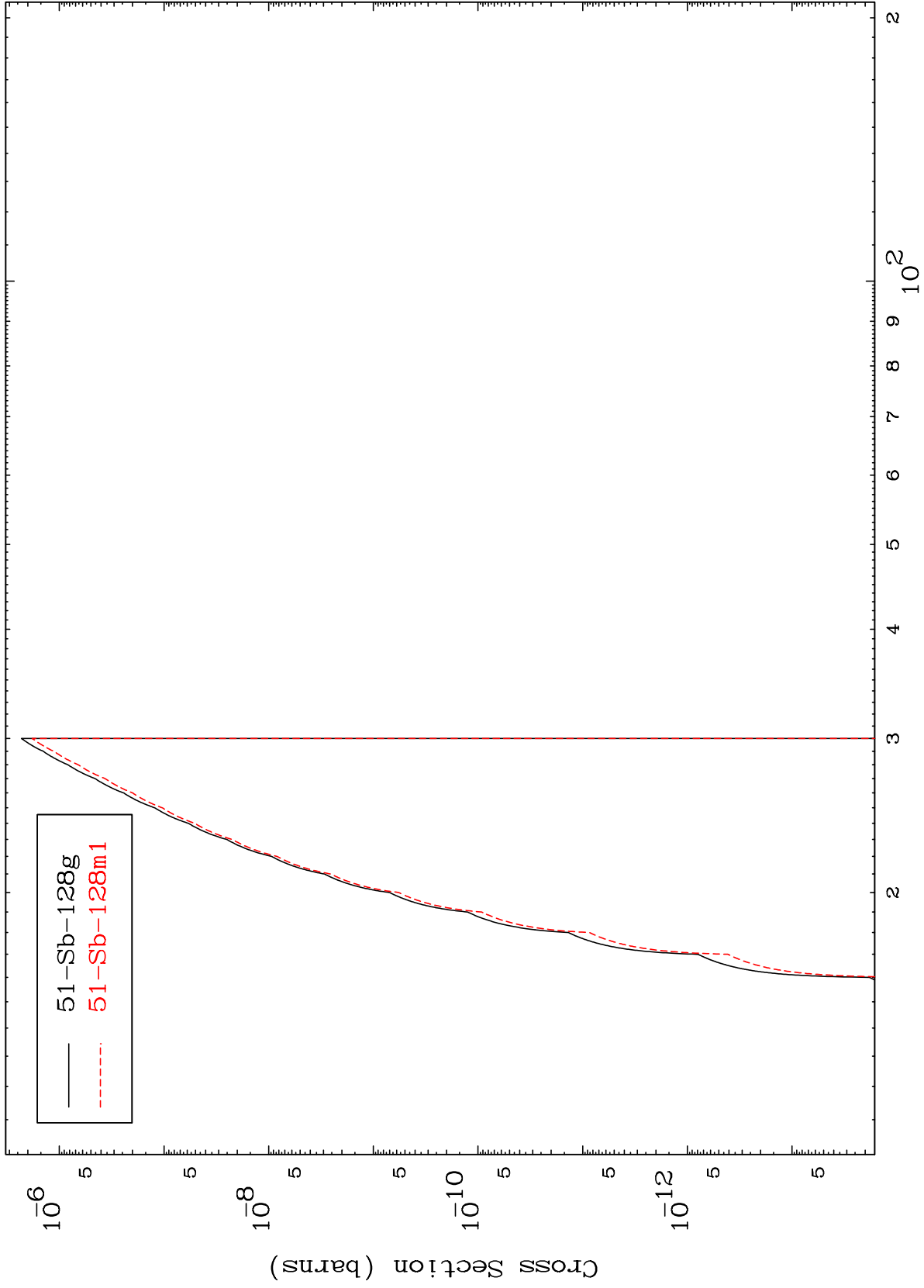


145

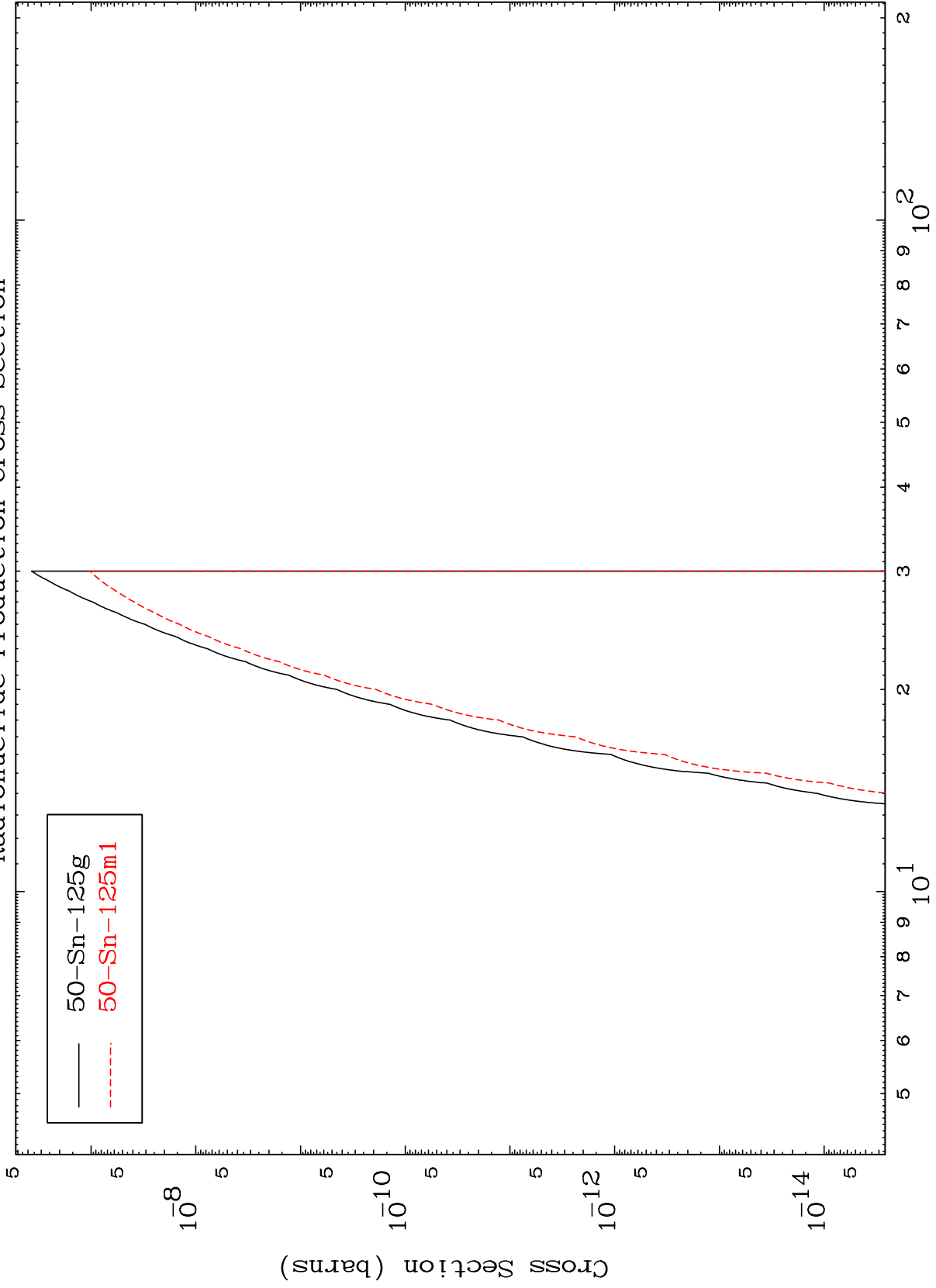
53-I -129

Incident Energy (MeV)

Radionuclide Production Cross Section
(n,2p)



Radionuclide Production Cross Section



50-Sn-125g
50-Sn-125m1

