

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

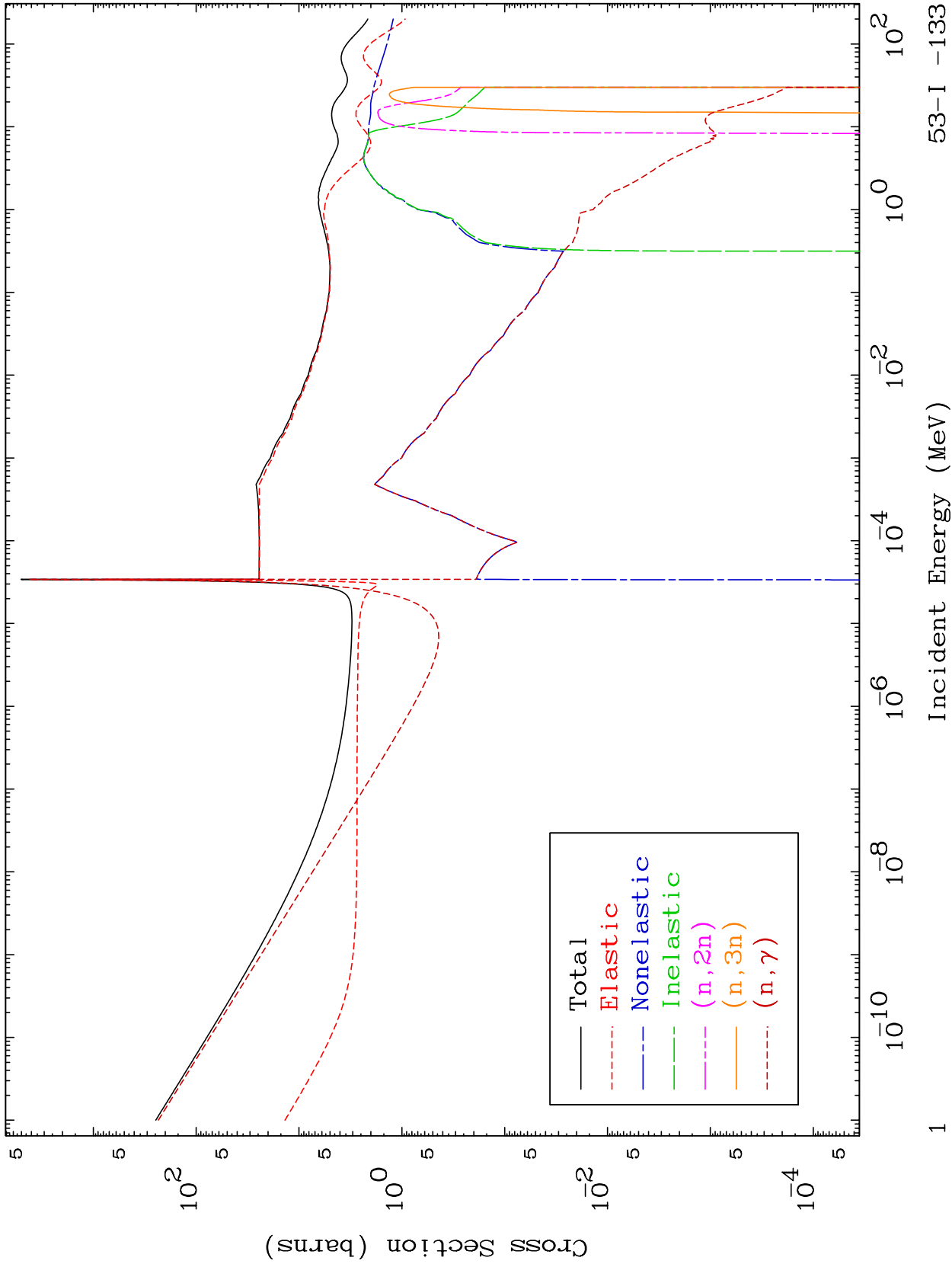
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

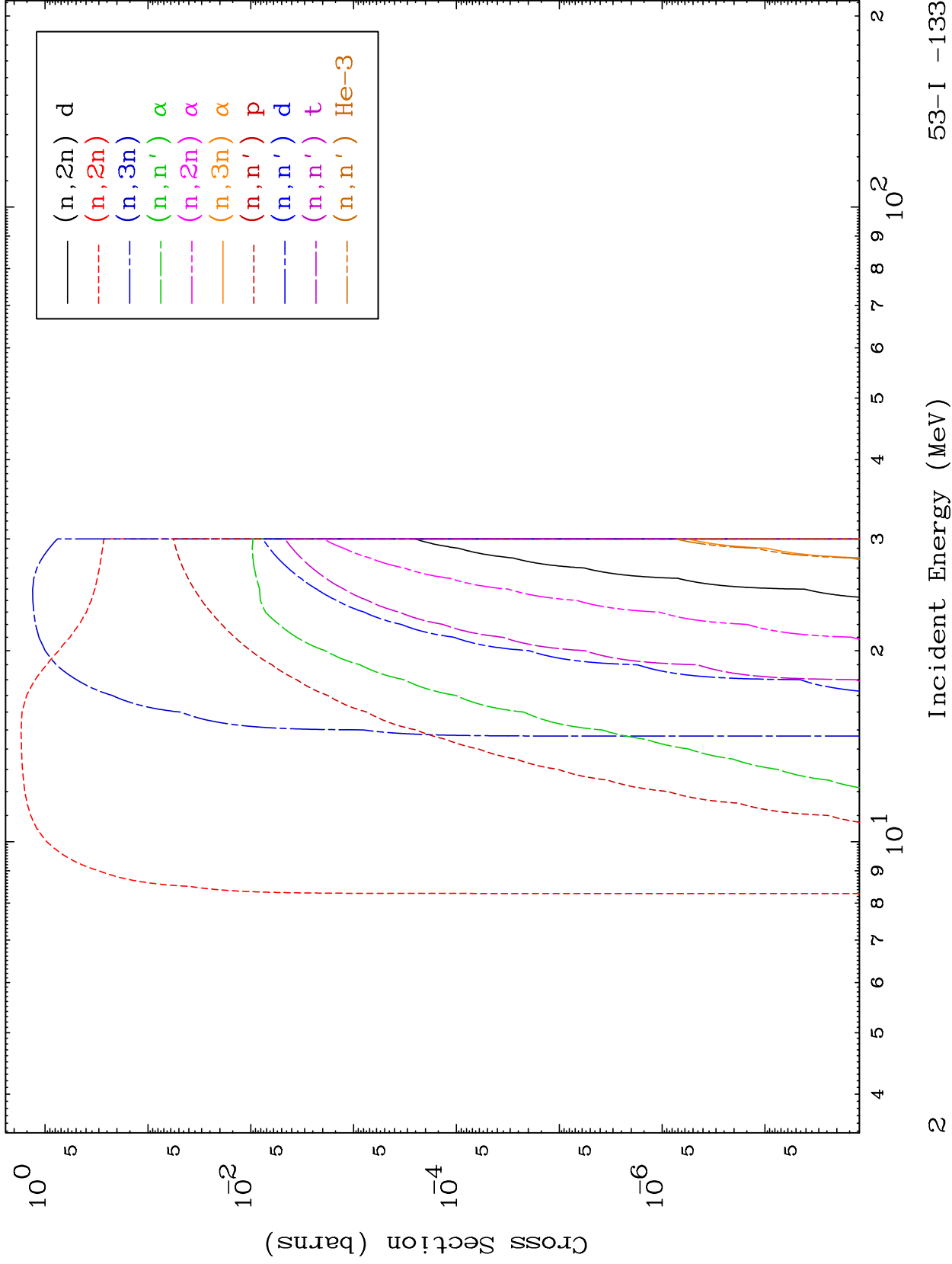
Tele: 925-443-1911

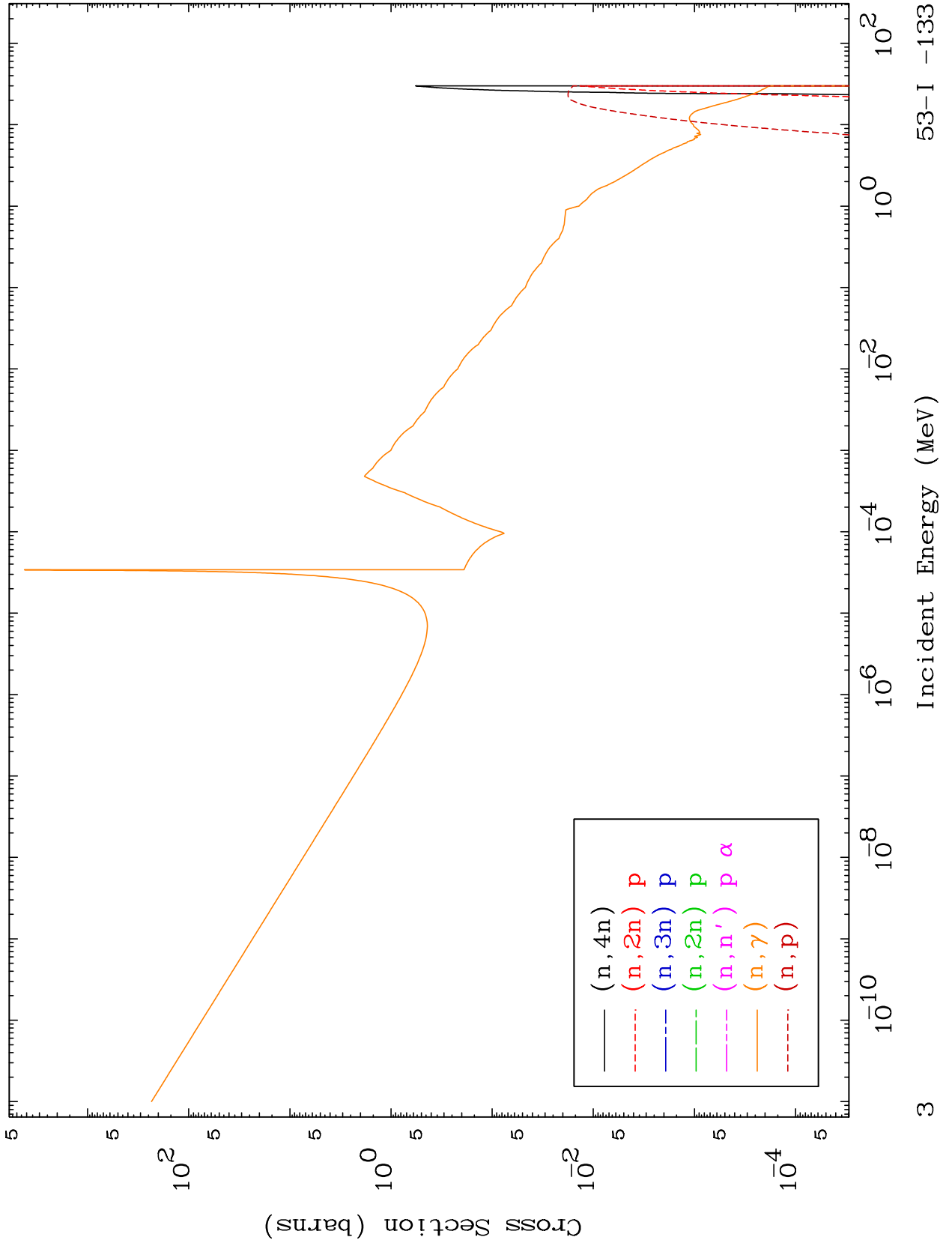
E.Mail:redcullen1@comcast.net

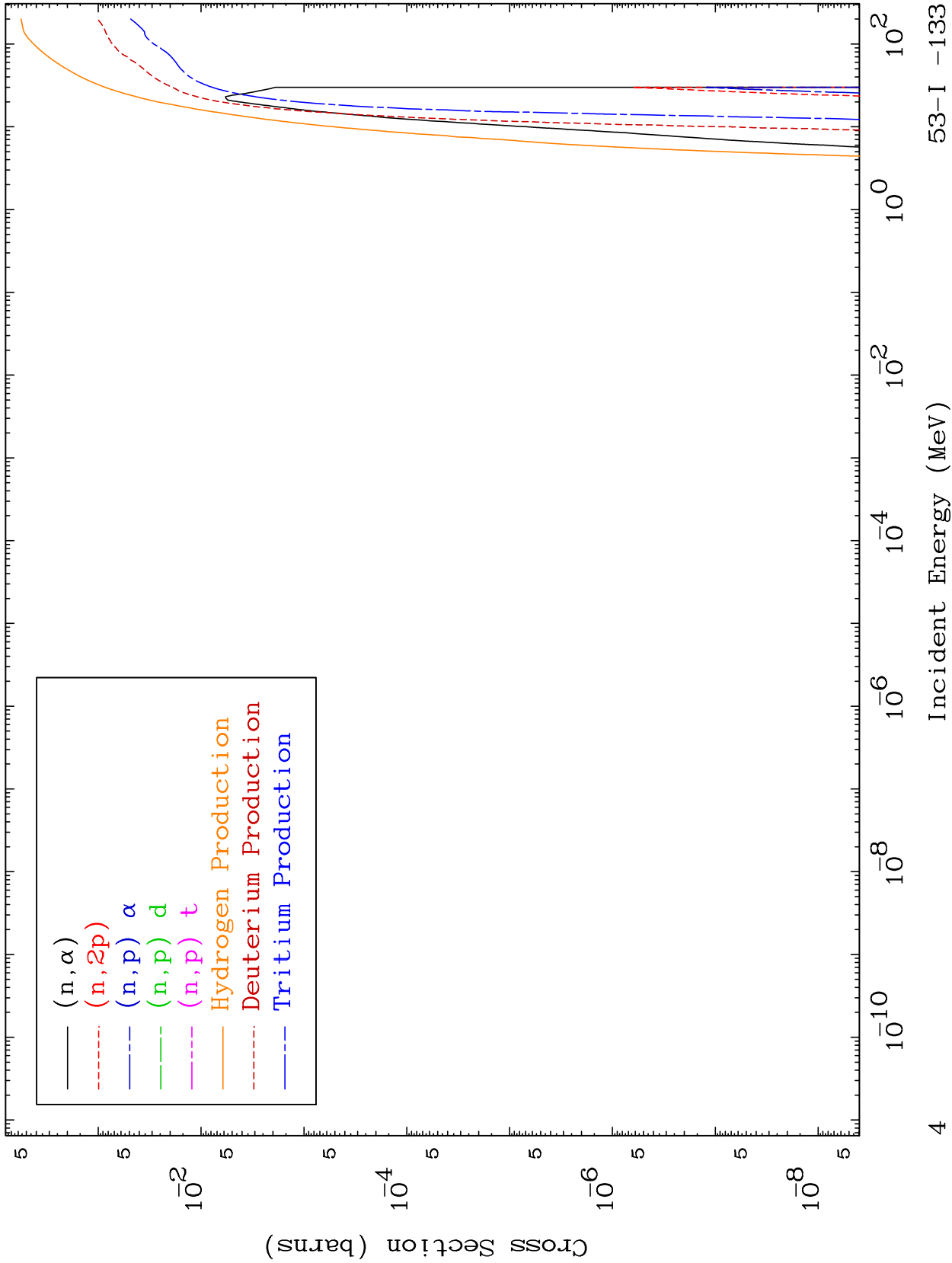
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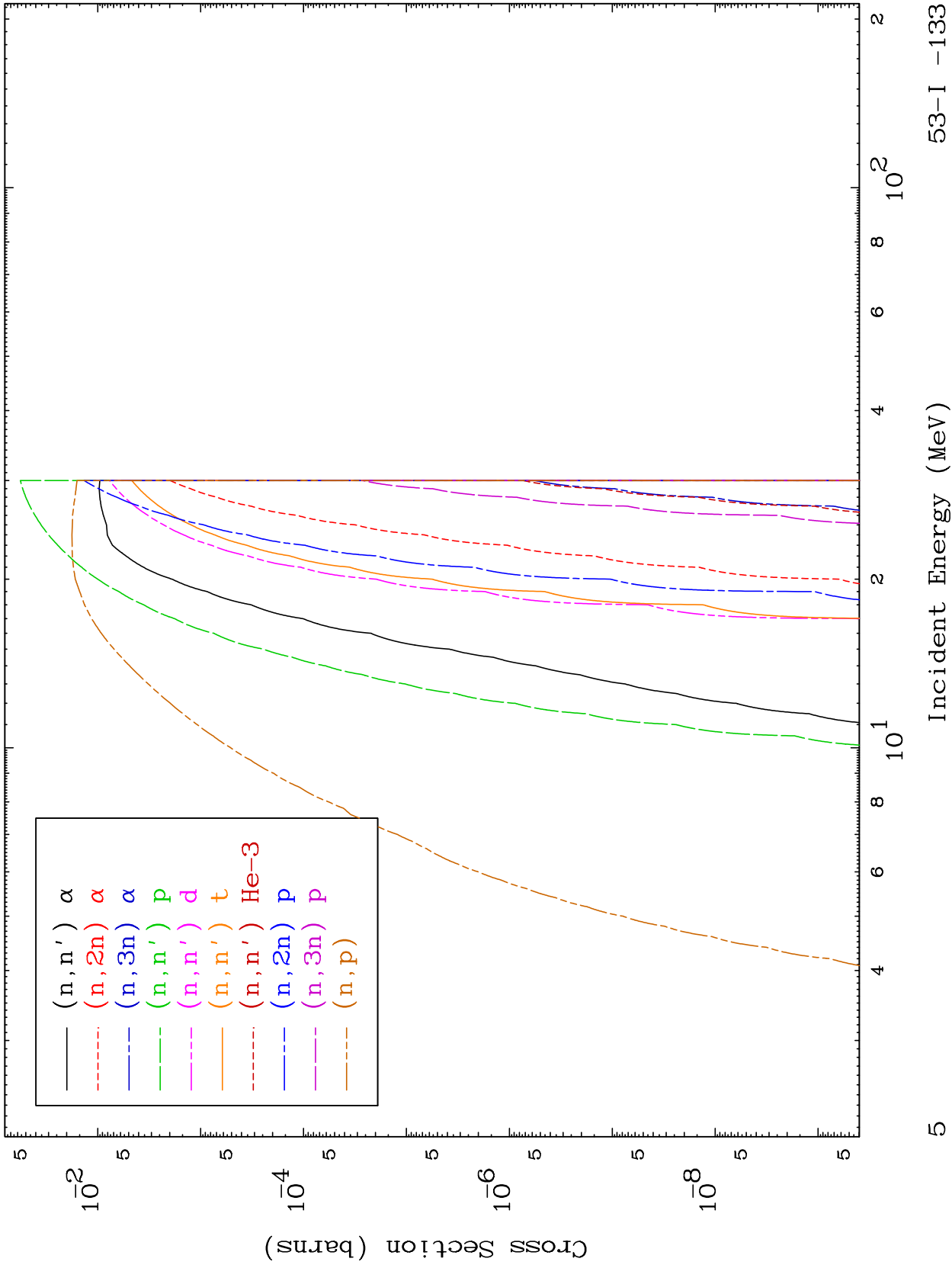
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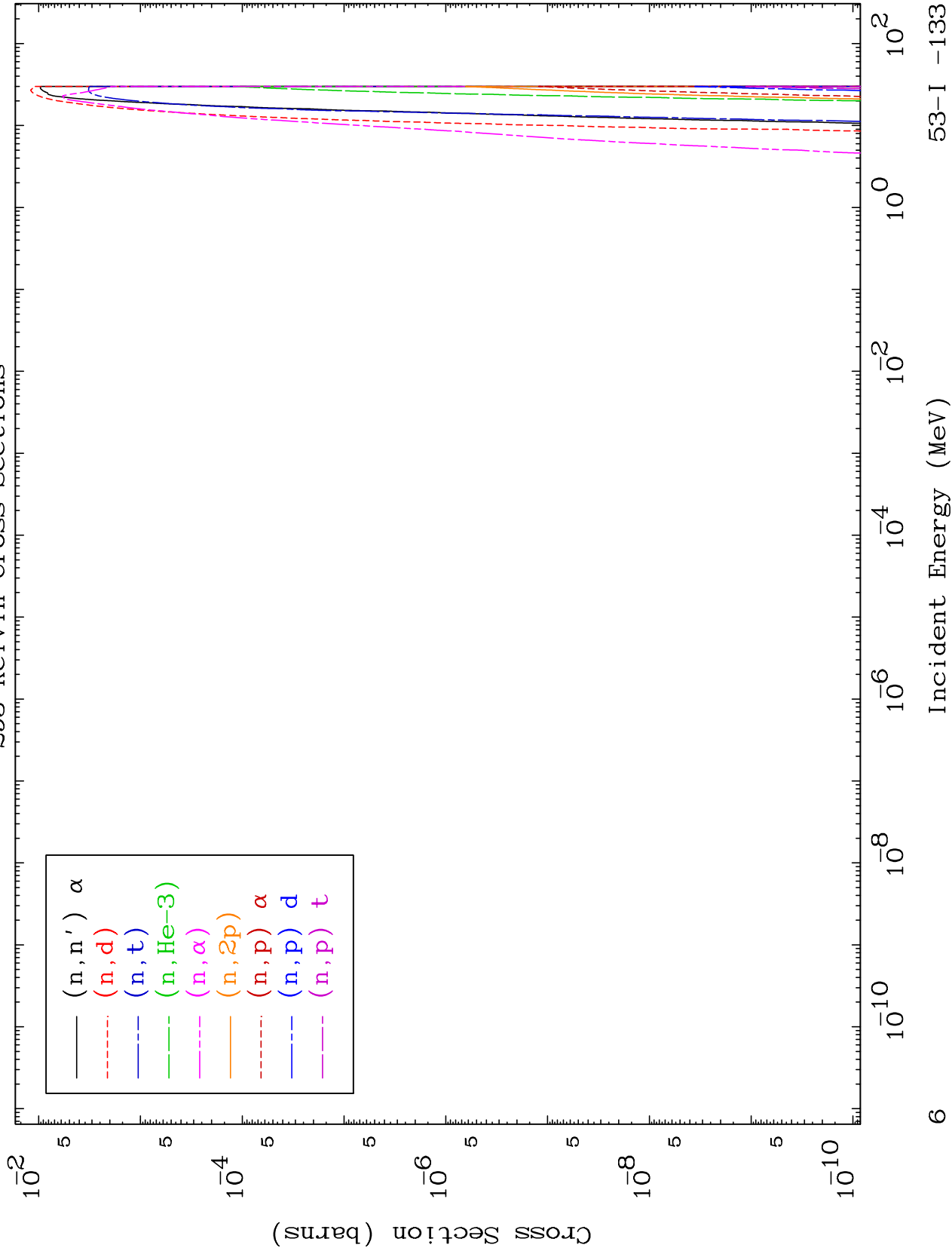


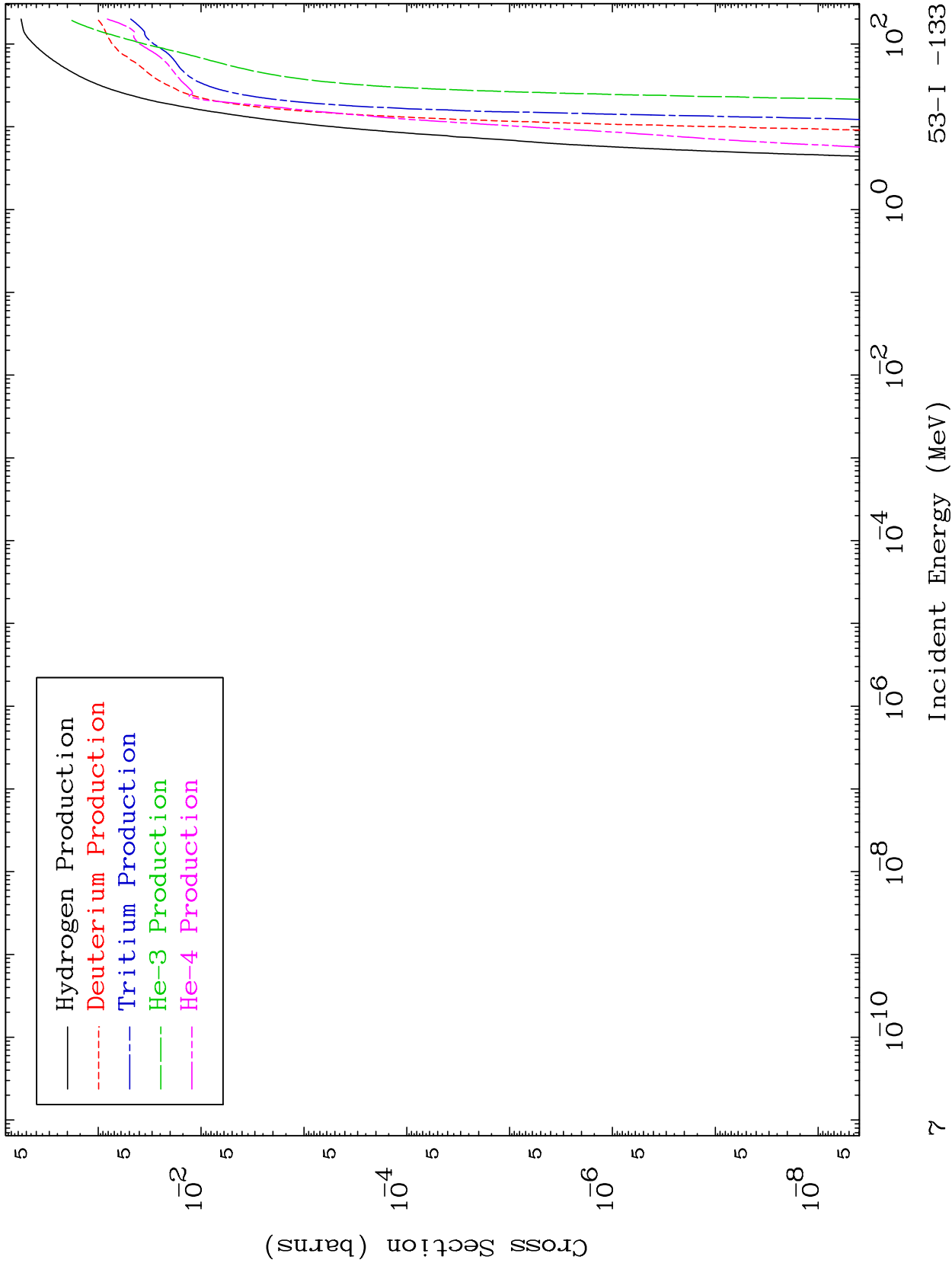




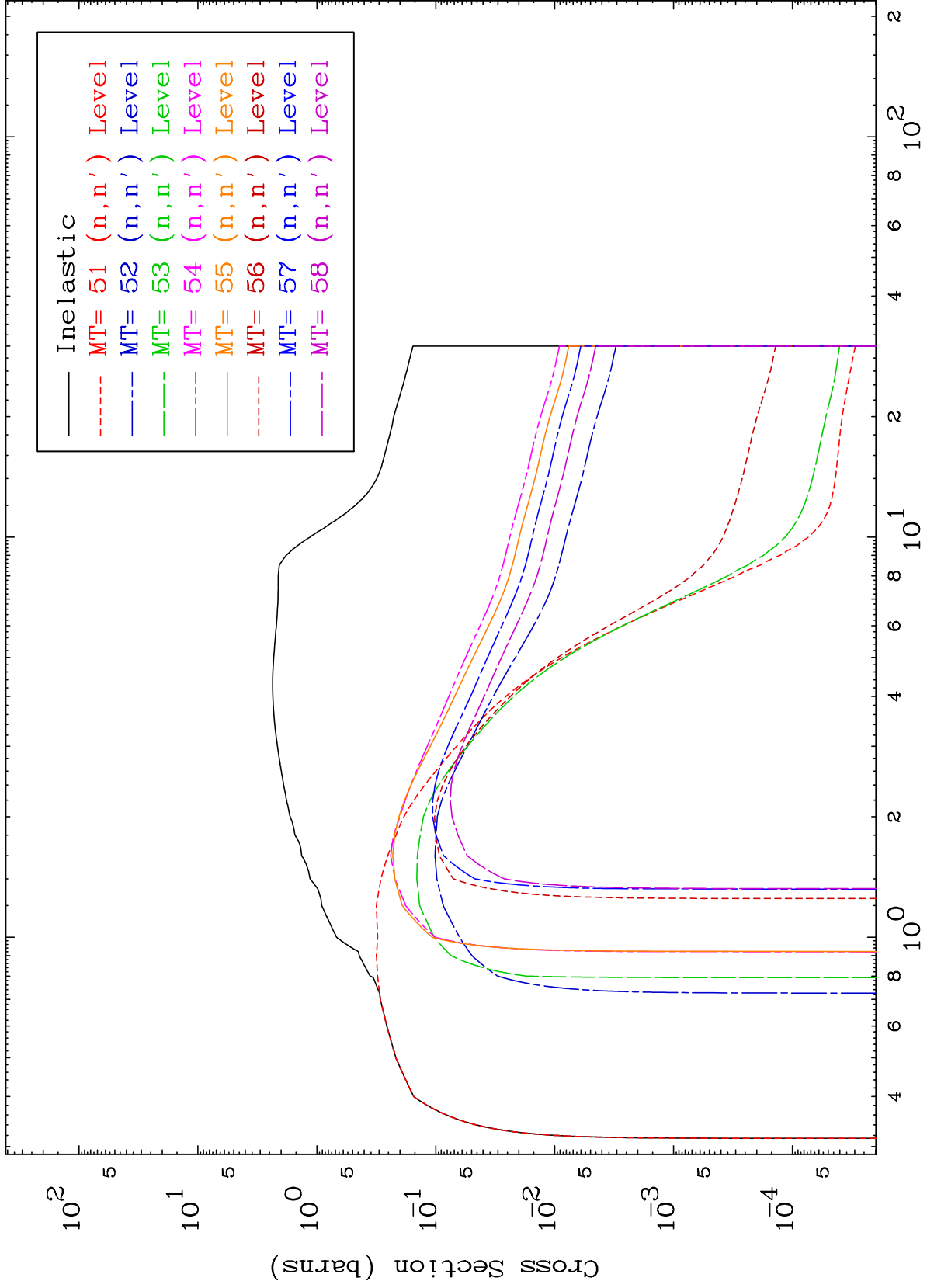


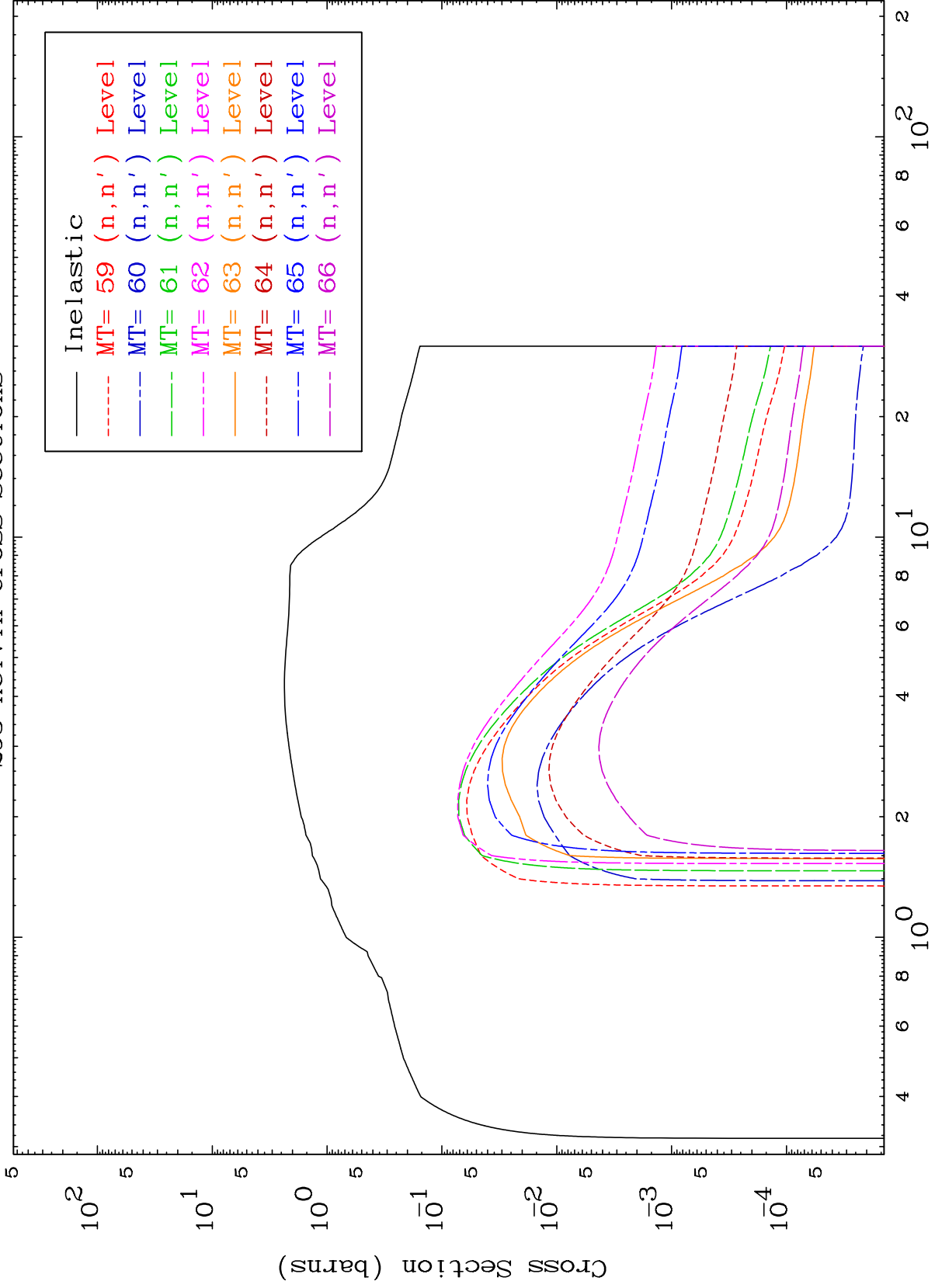


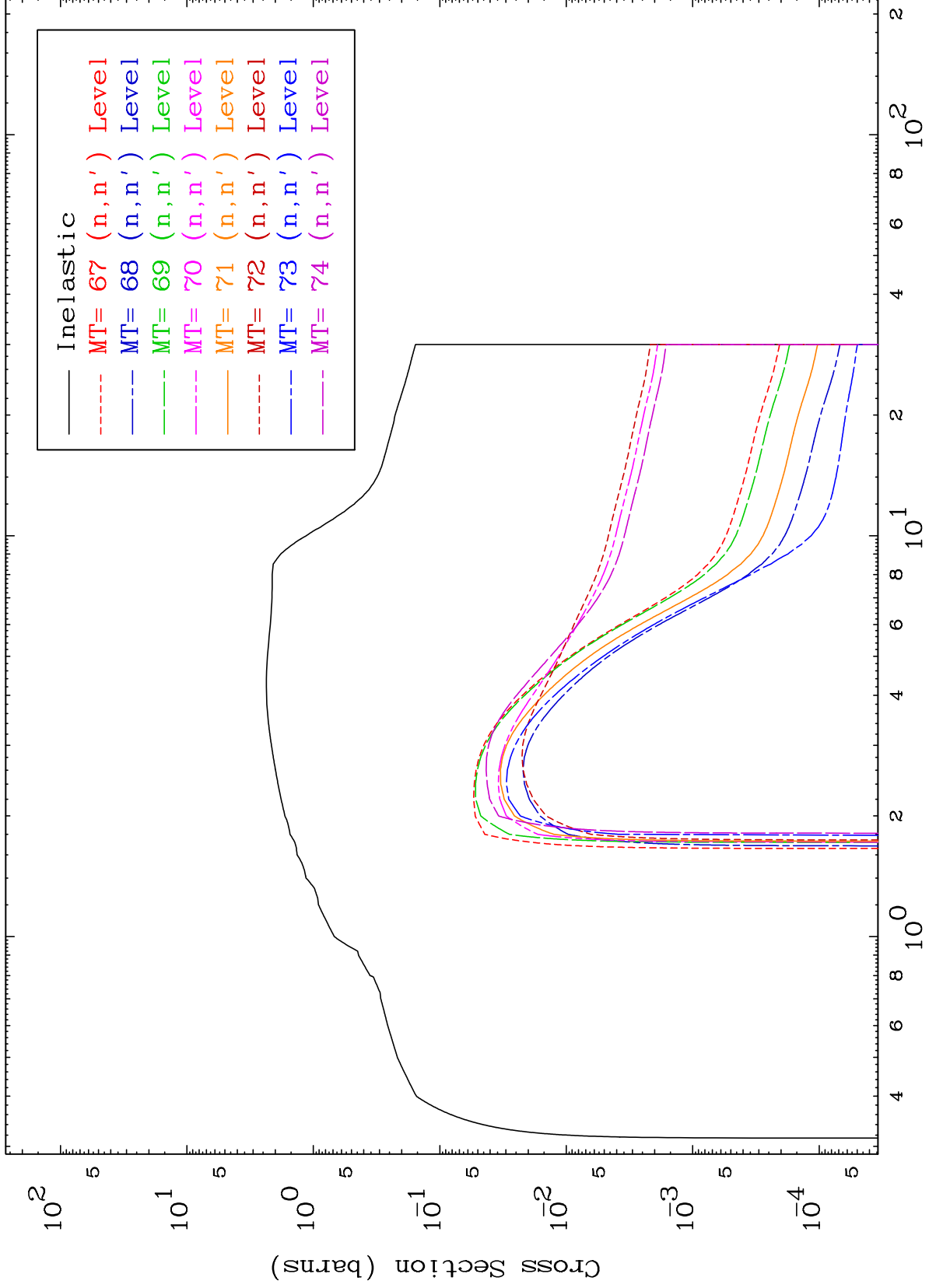


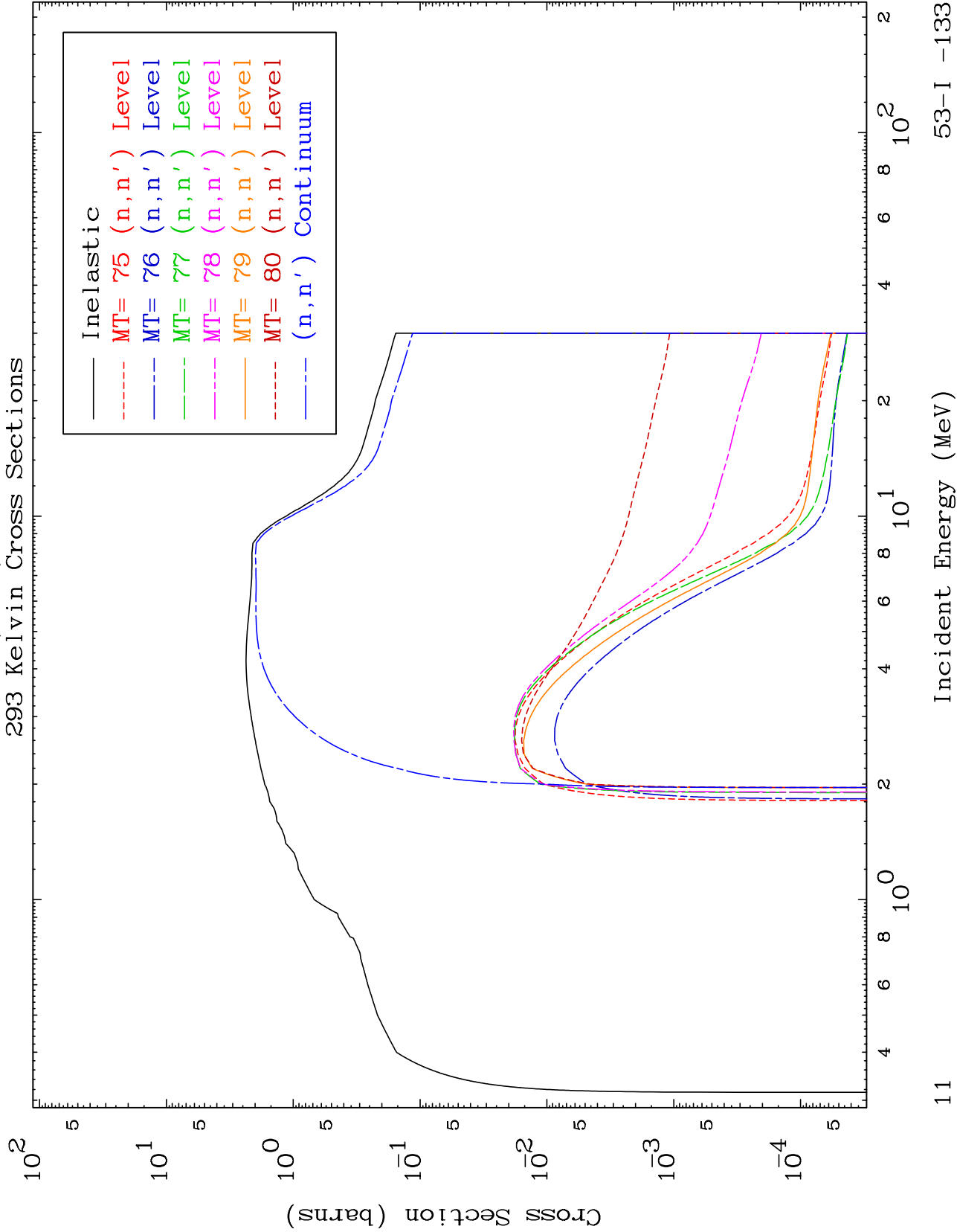


293 Kelvin Cross Sections





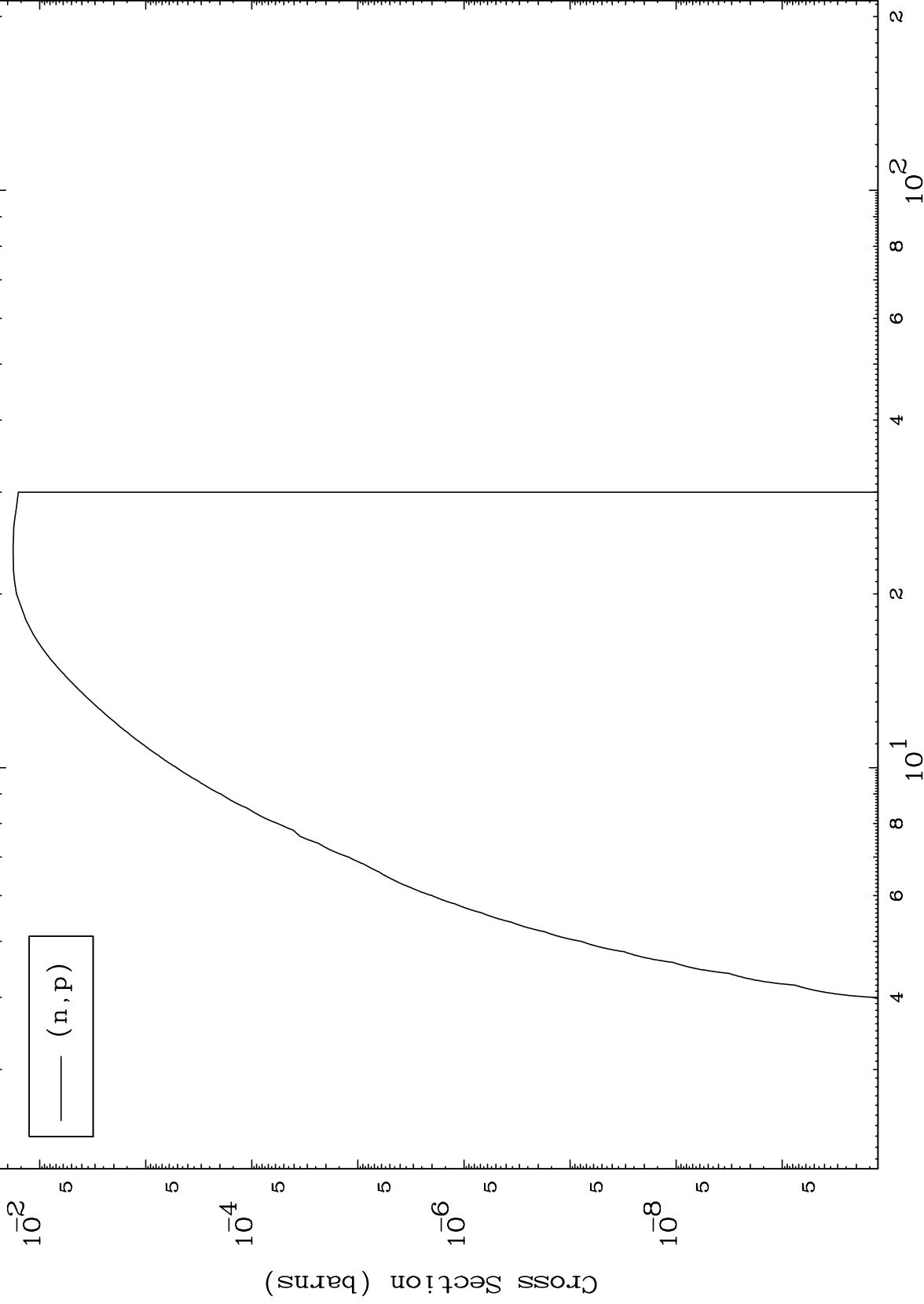




MAT 5343

(n,p) Levels
293 Kelvin Cross Sections

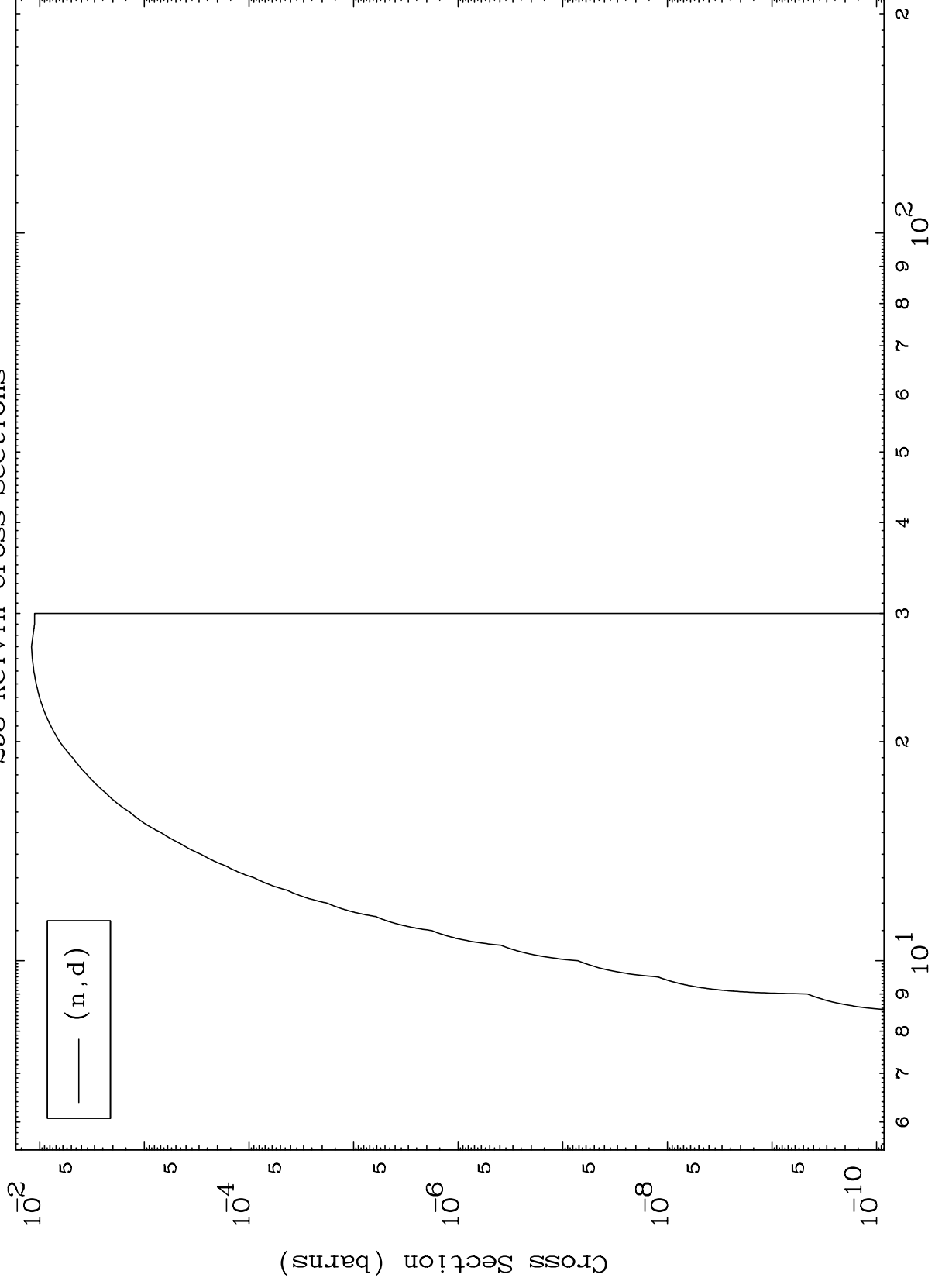
53-I -133

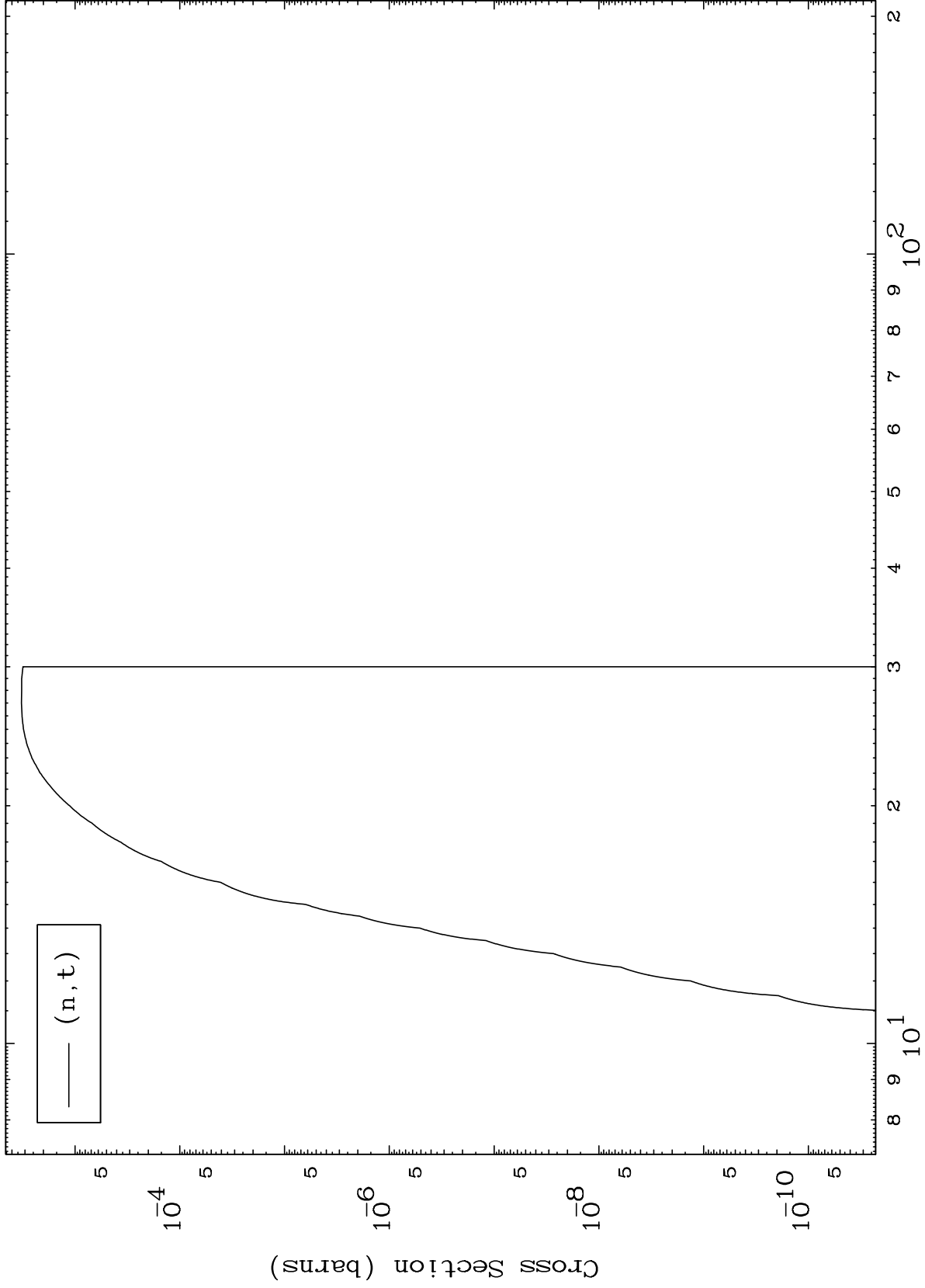


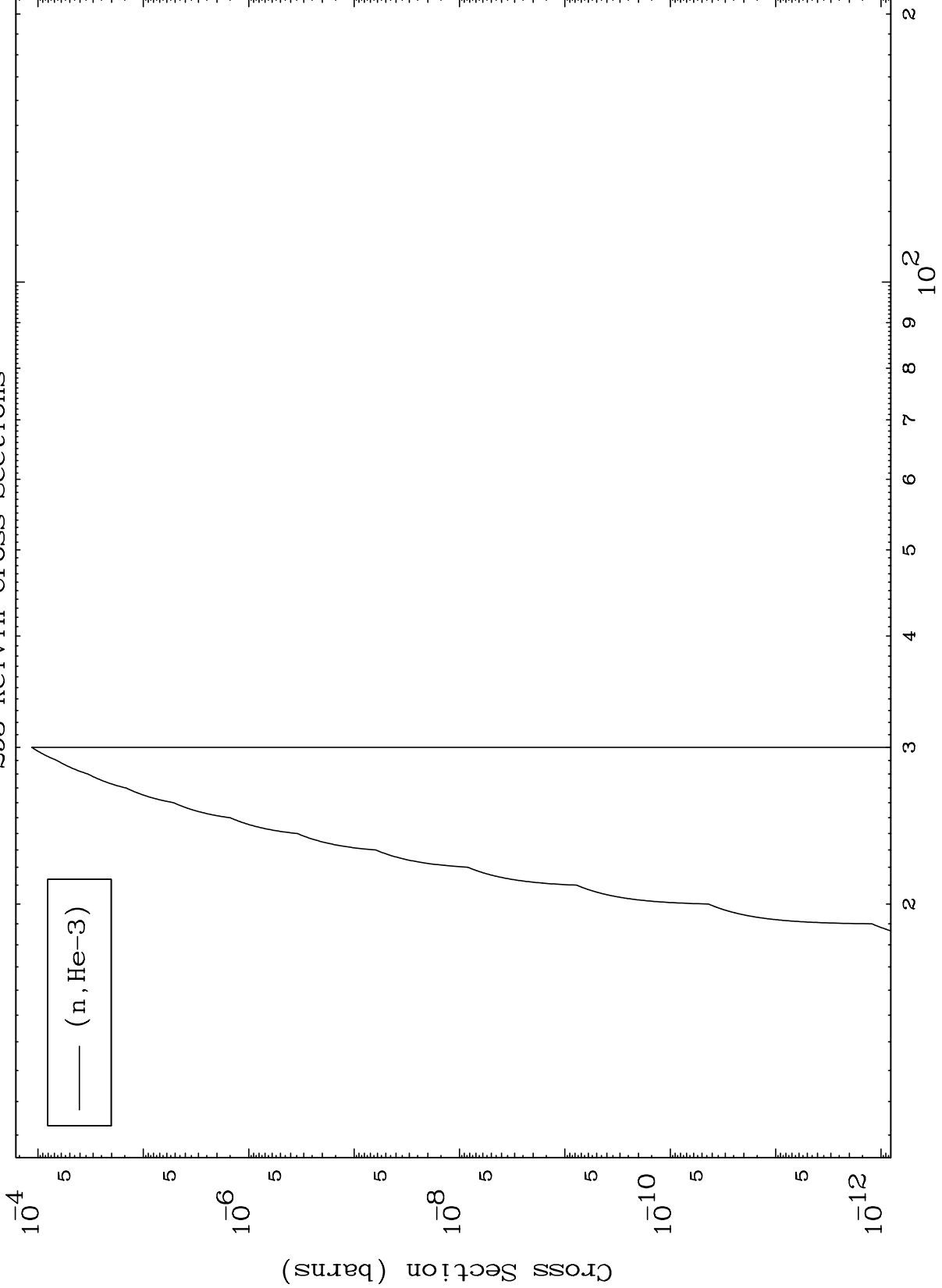
12

Incident Energy (MeV)

53-I -133



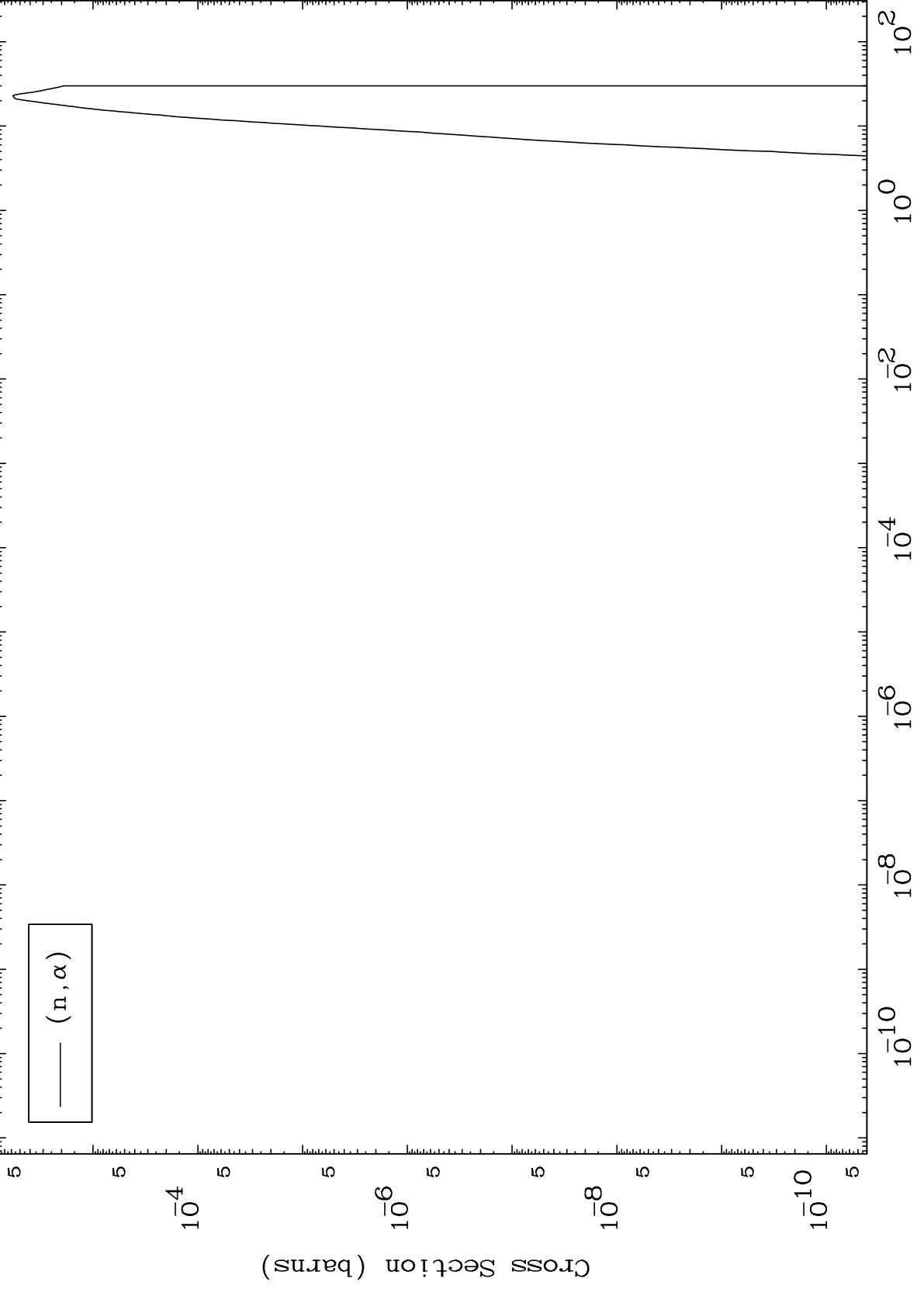




MAT 5343

(n, α) Levels
293 Kelvin Cross Sections

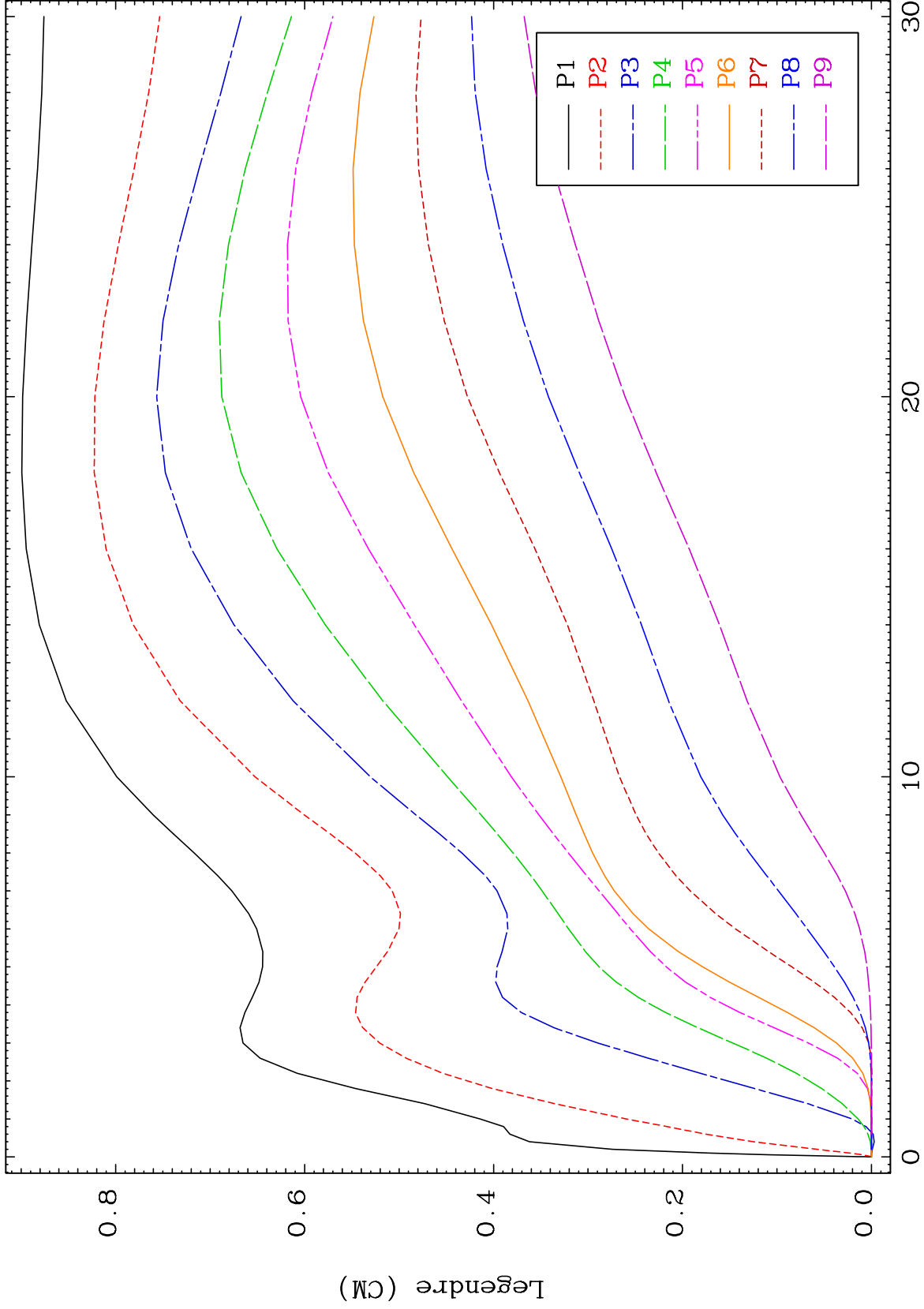
53-I -133



16

Incident Energy (MeV)

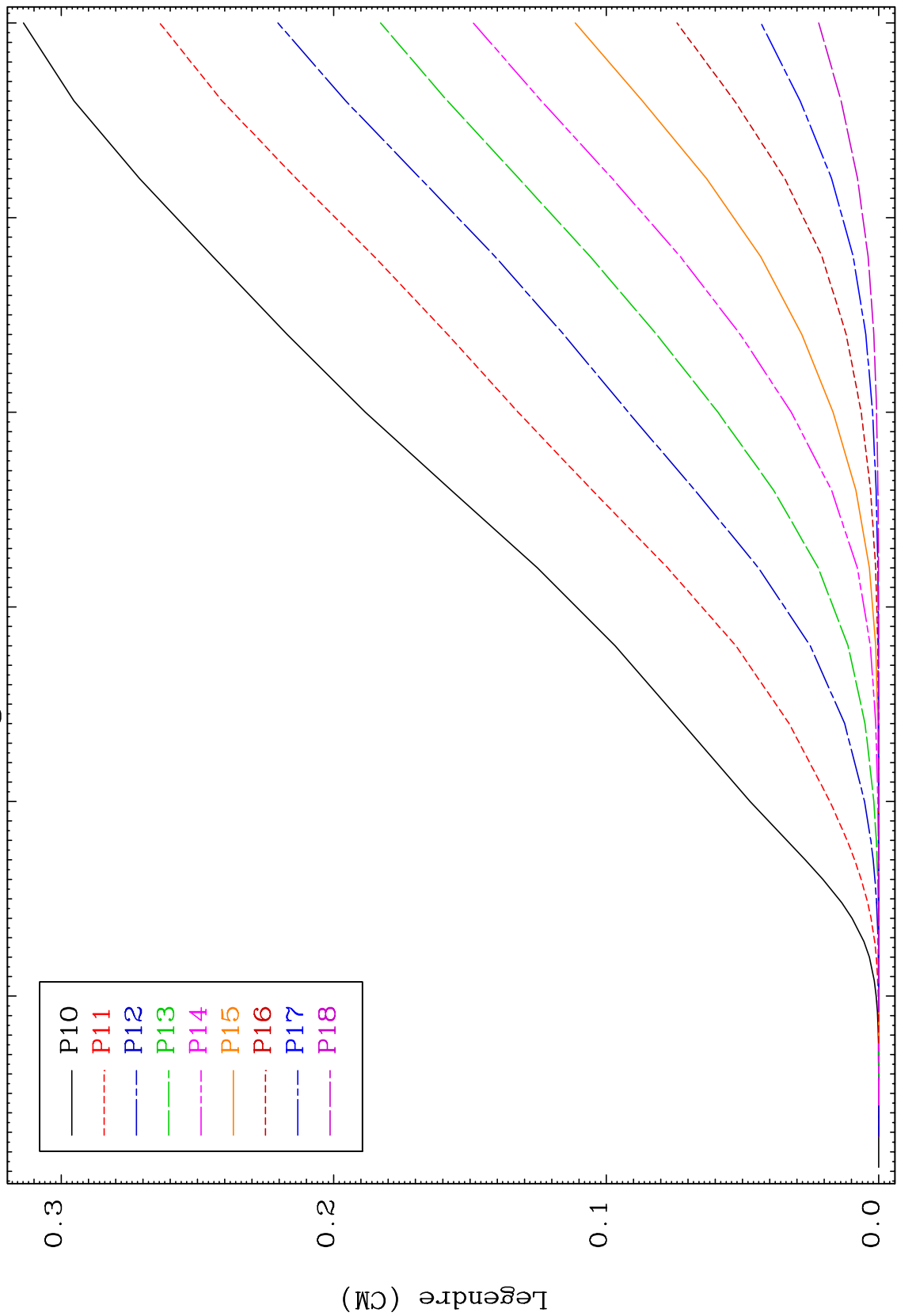
53-I -133



MAT 5343

Elastic Legendre Coefficients

53-I -133



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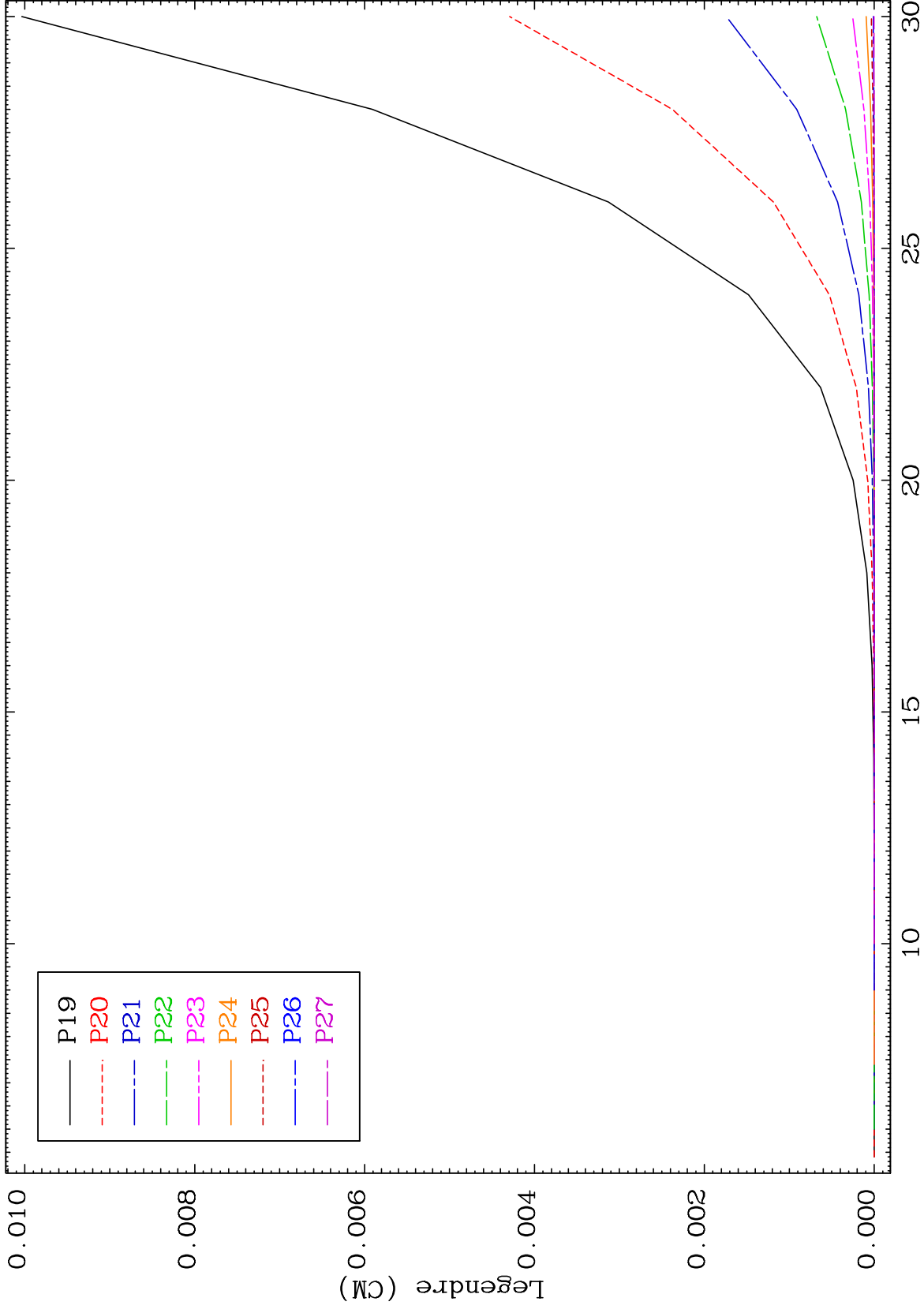
Incident Energy (MeV)

53-I -133

MAT 5343

Elastic Legendre Coefficients

53-I -133



19

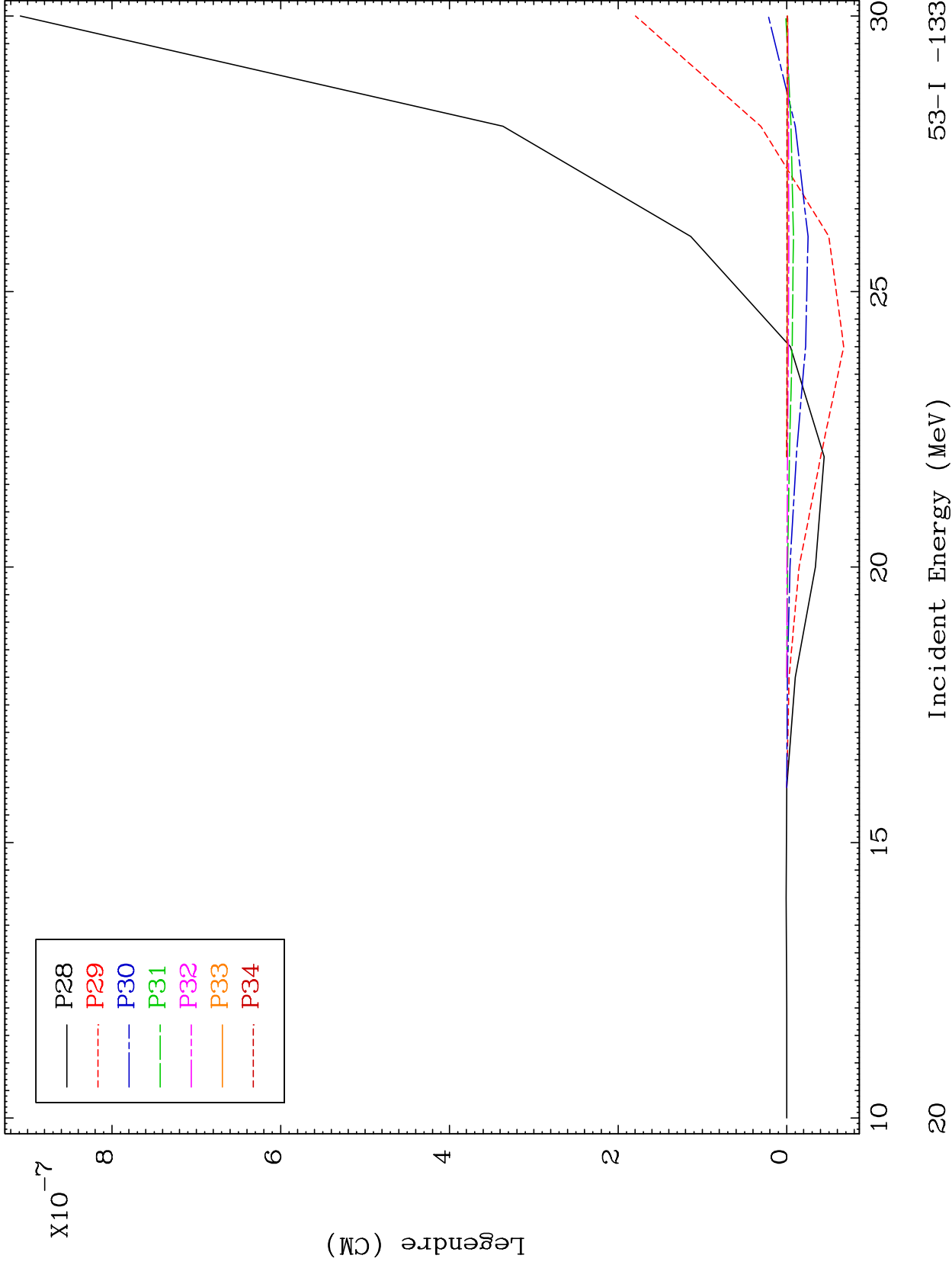
Incident Energy (MeV)

53-I -133

MAT 5343

Elastic Legendre Coefficients

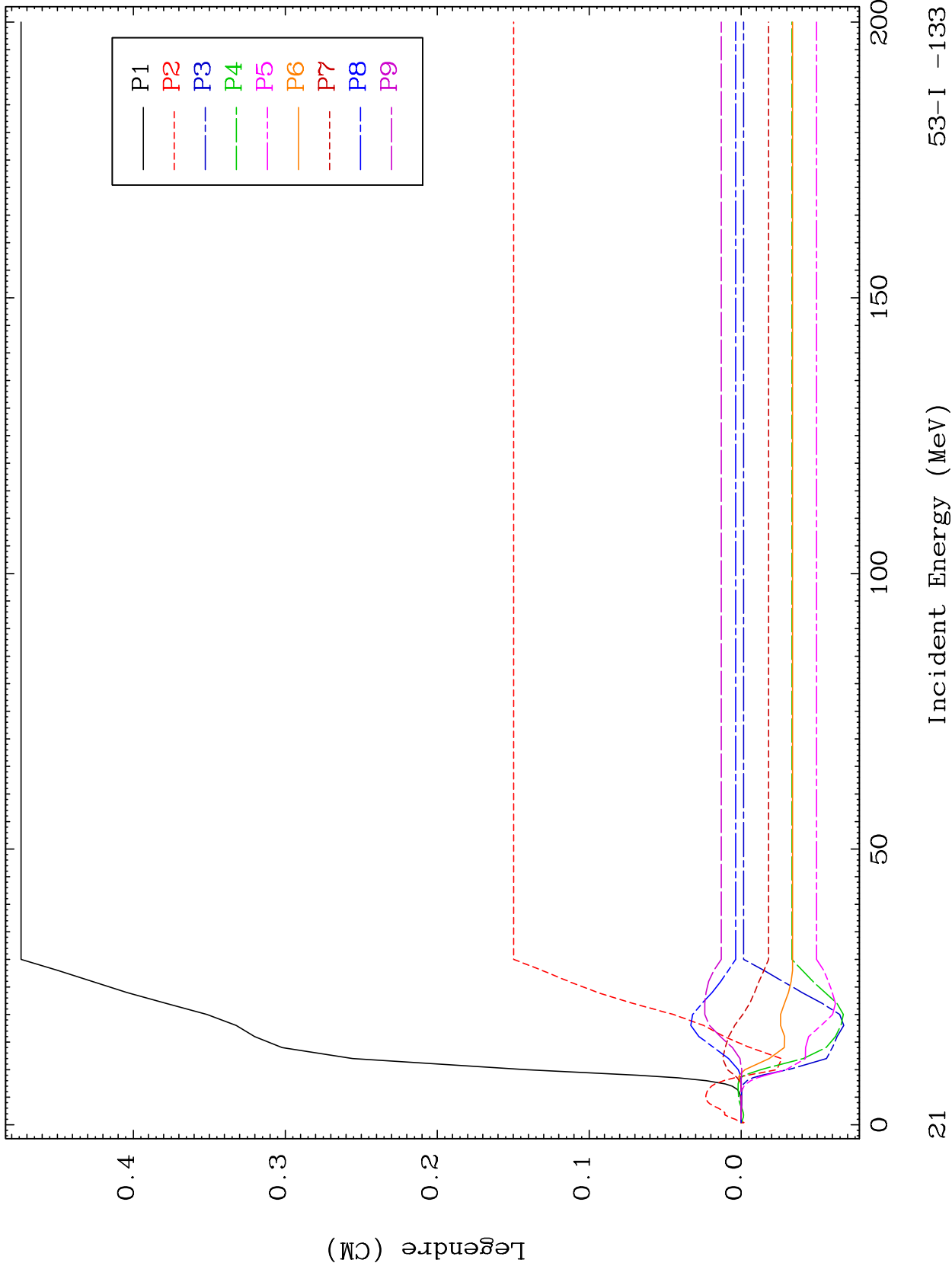
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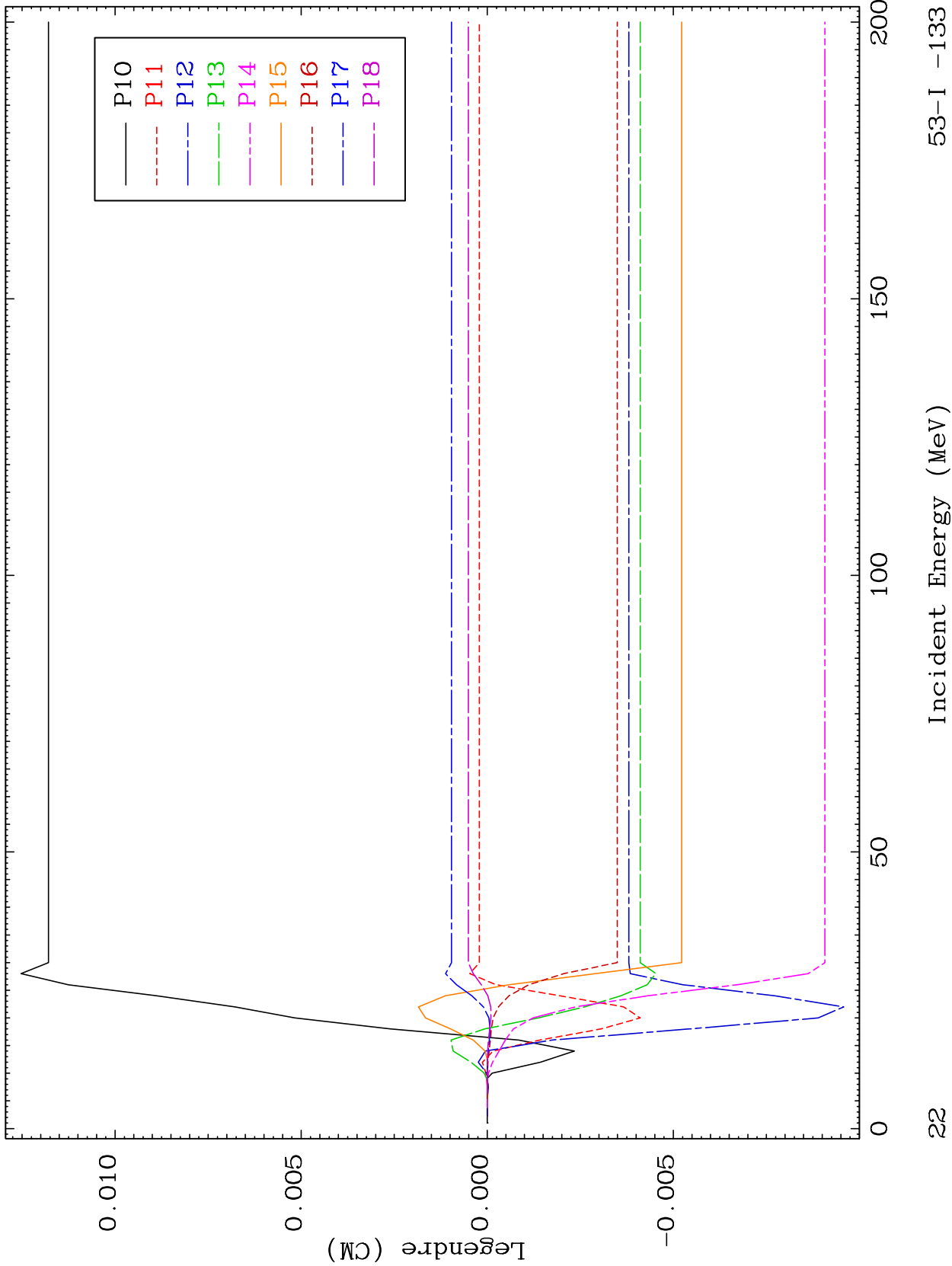


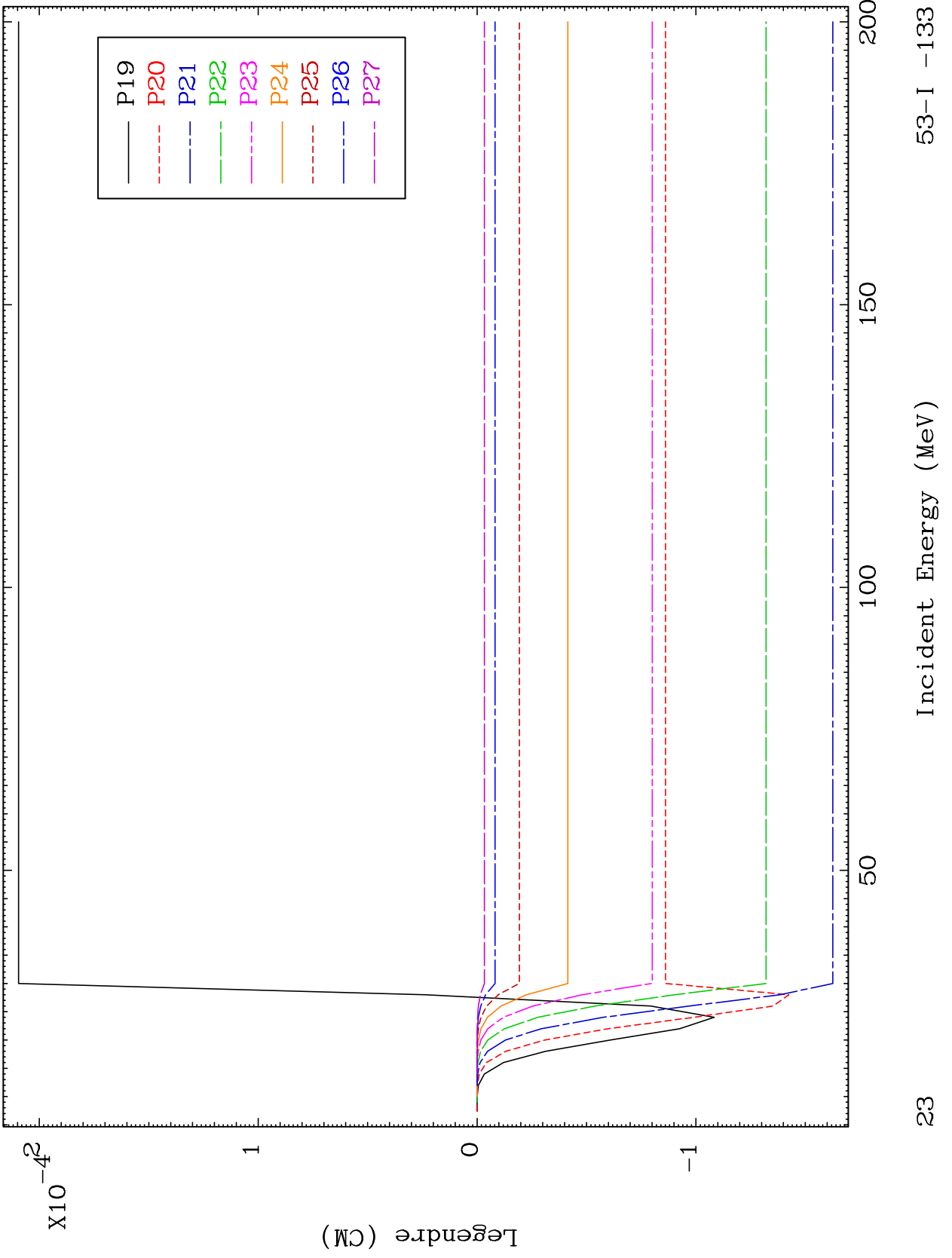
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Incident Energy (MeV)

53-I -133



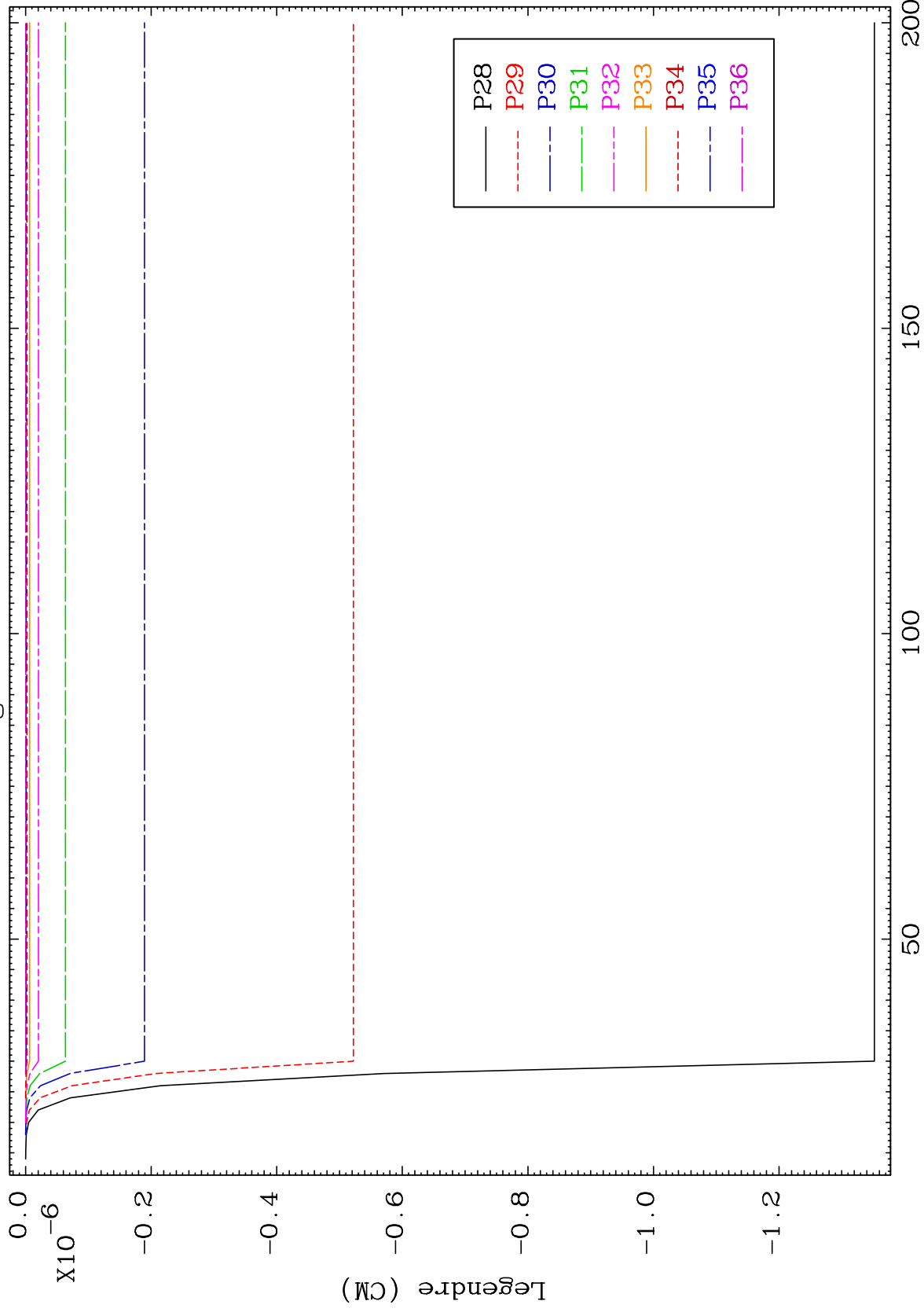




MAT 5343

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

53-I -133



24

Incident Energy (MeV)

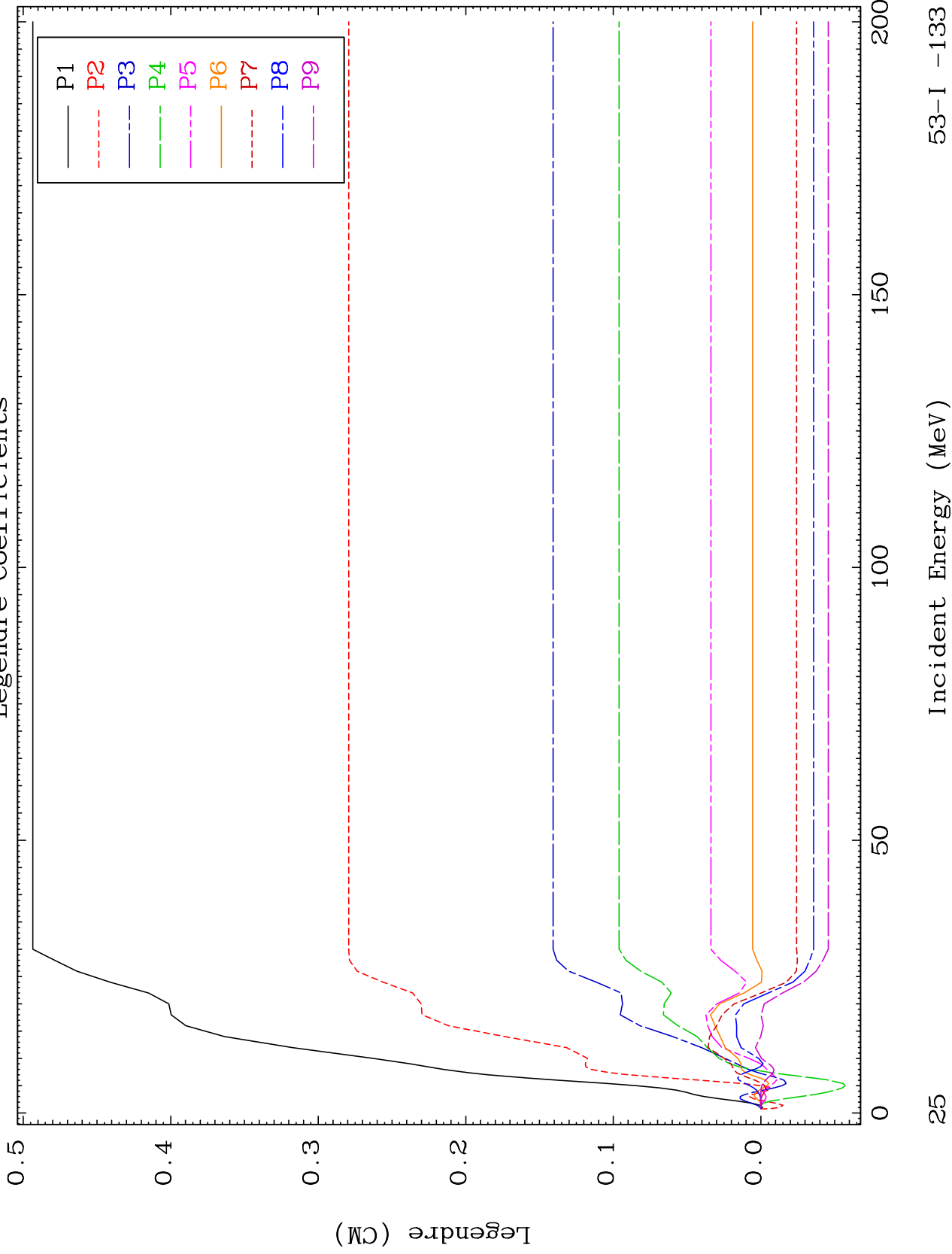
53-I -133

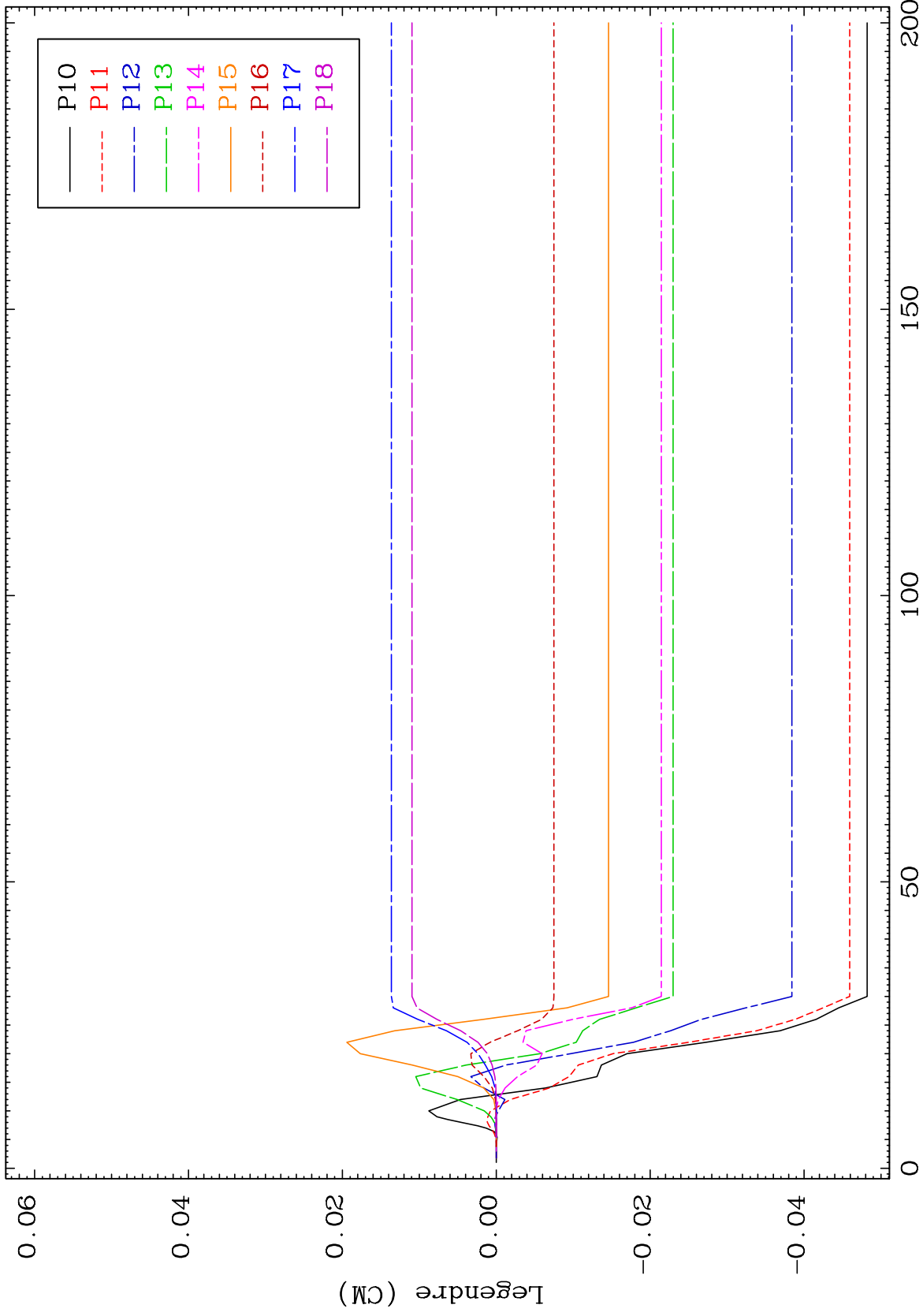
MAT 5343

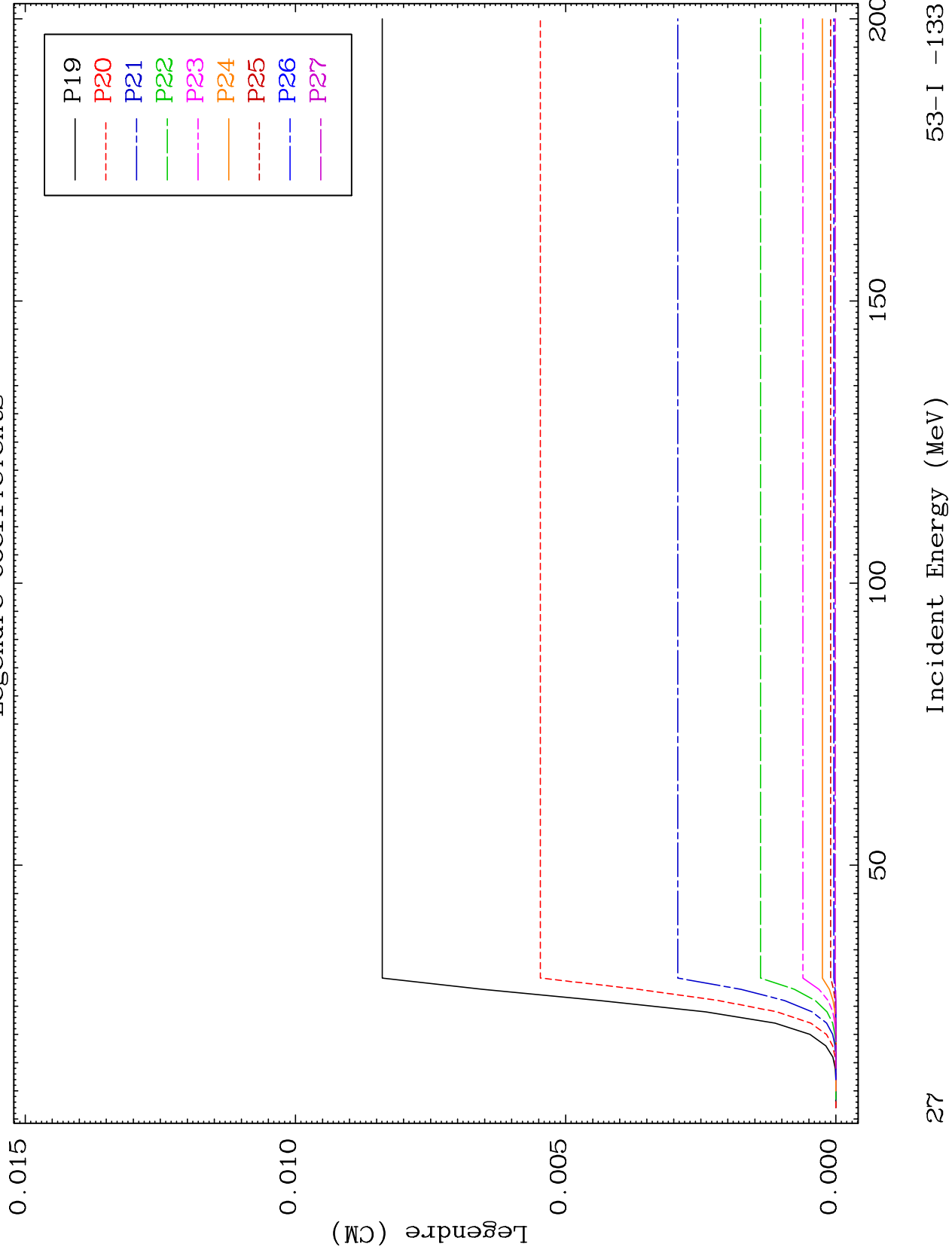
MT= 52 (n,n') Level

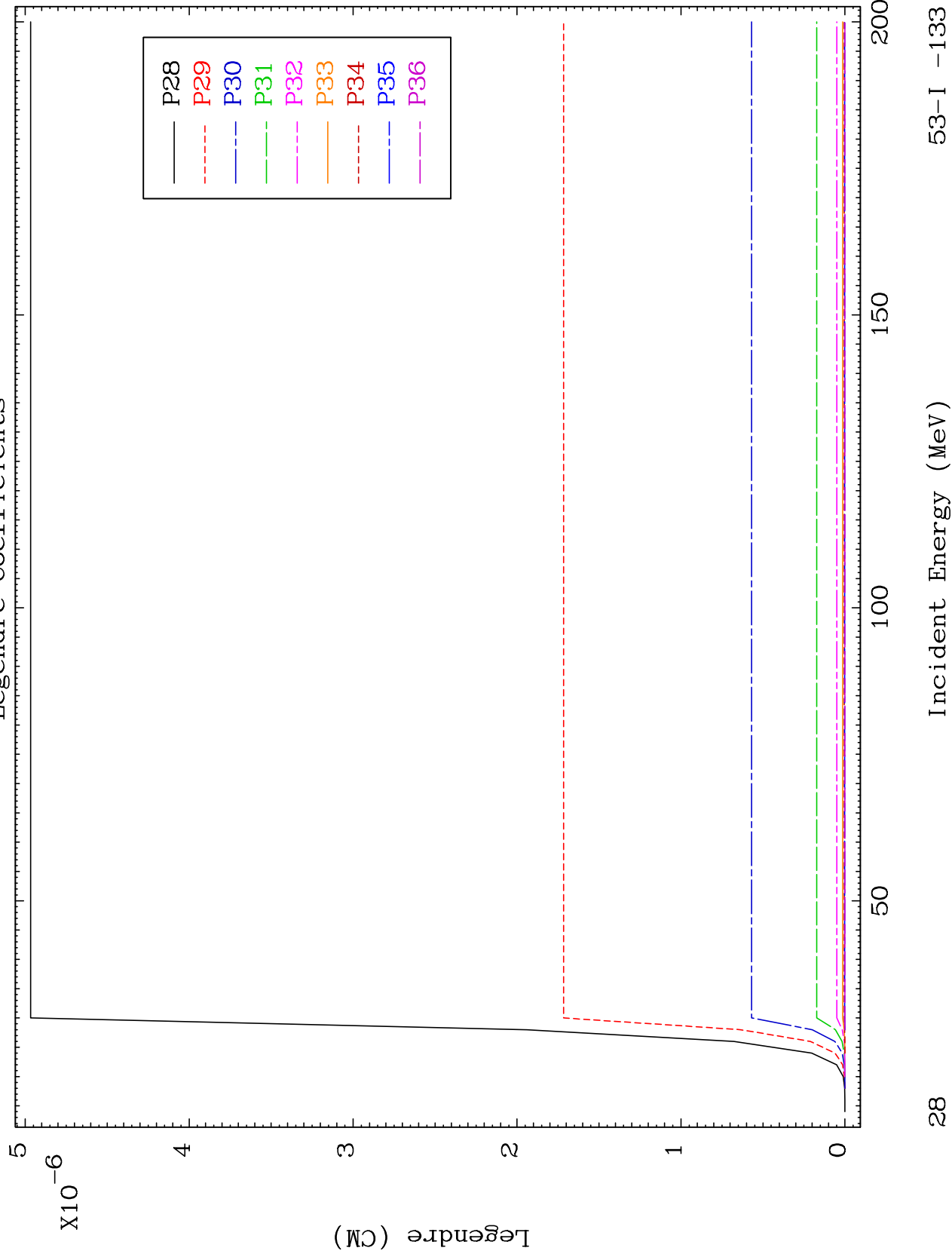
53-I -133

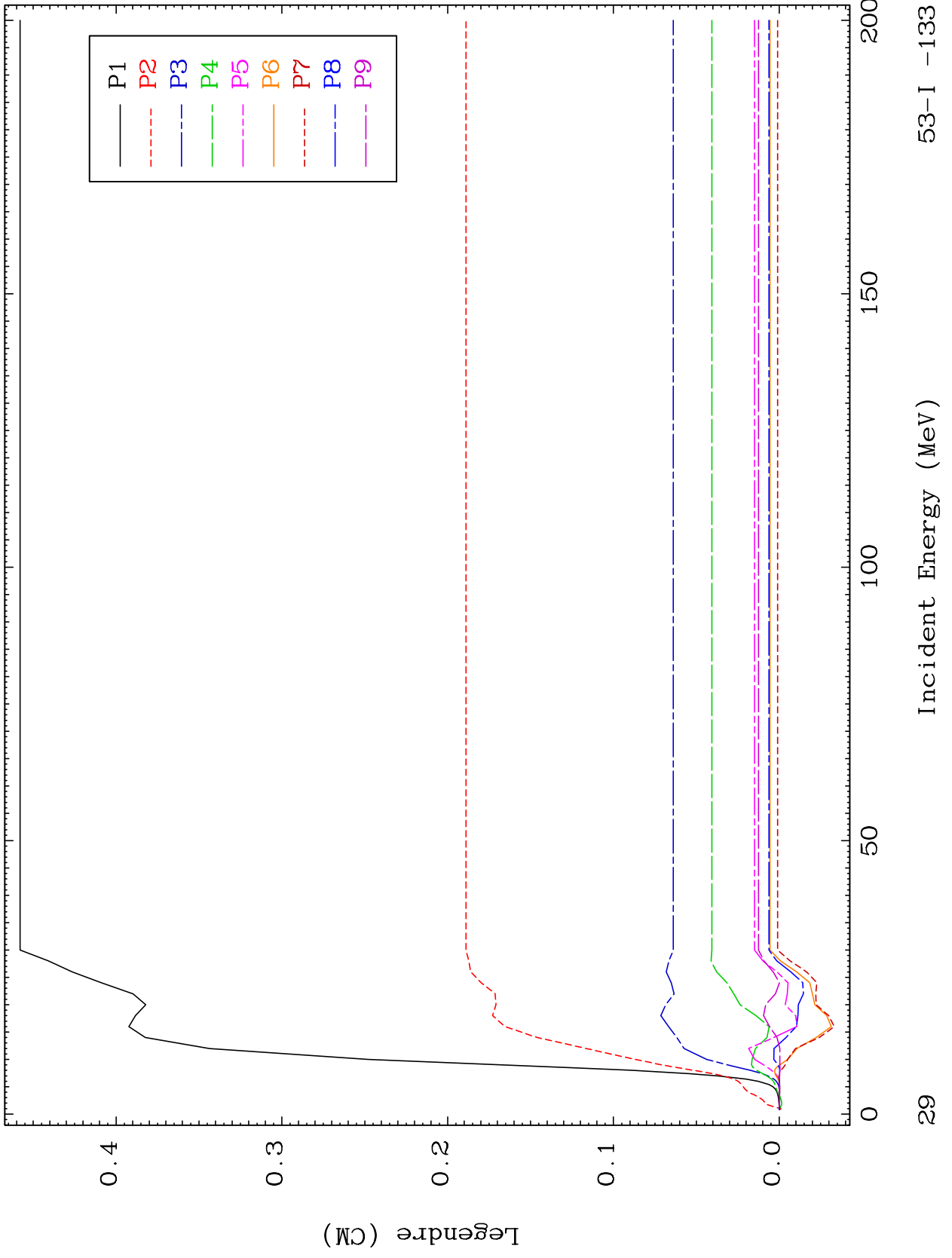
Legendre Coefficients







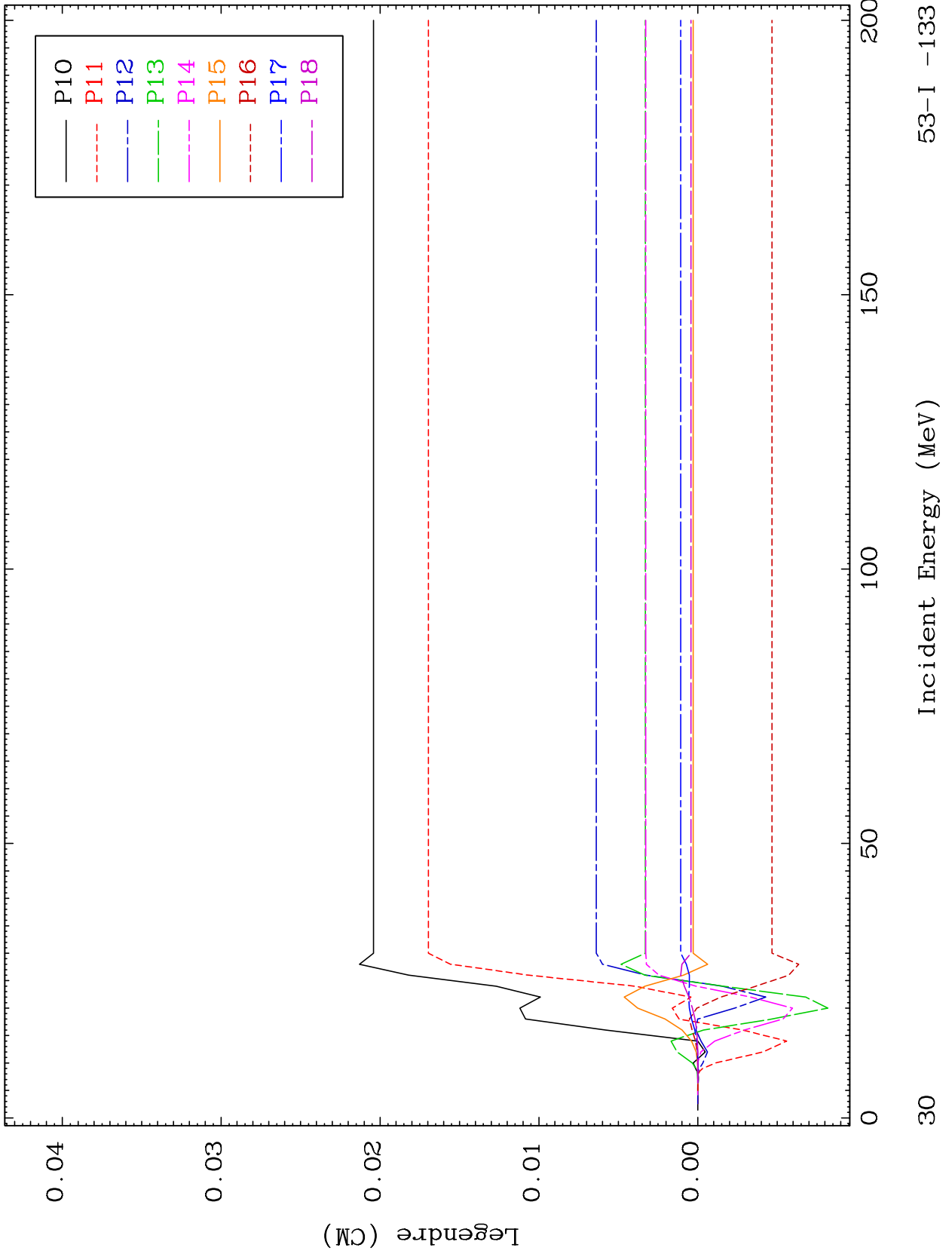




MAT 5343

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

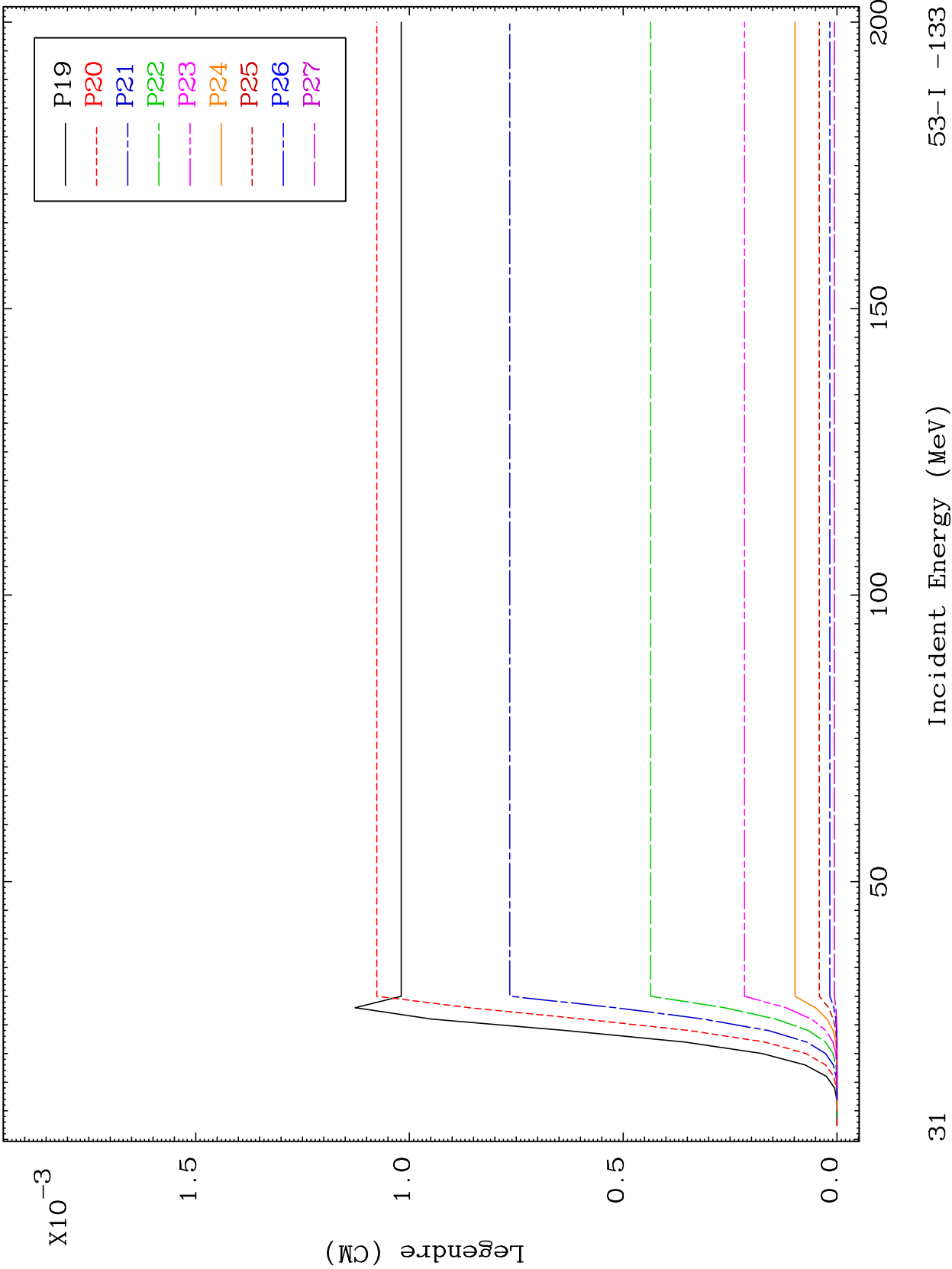
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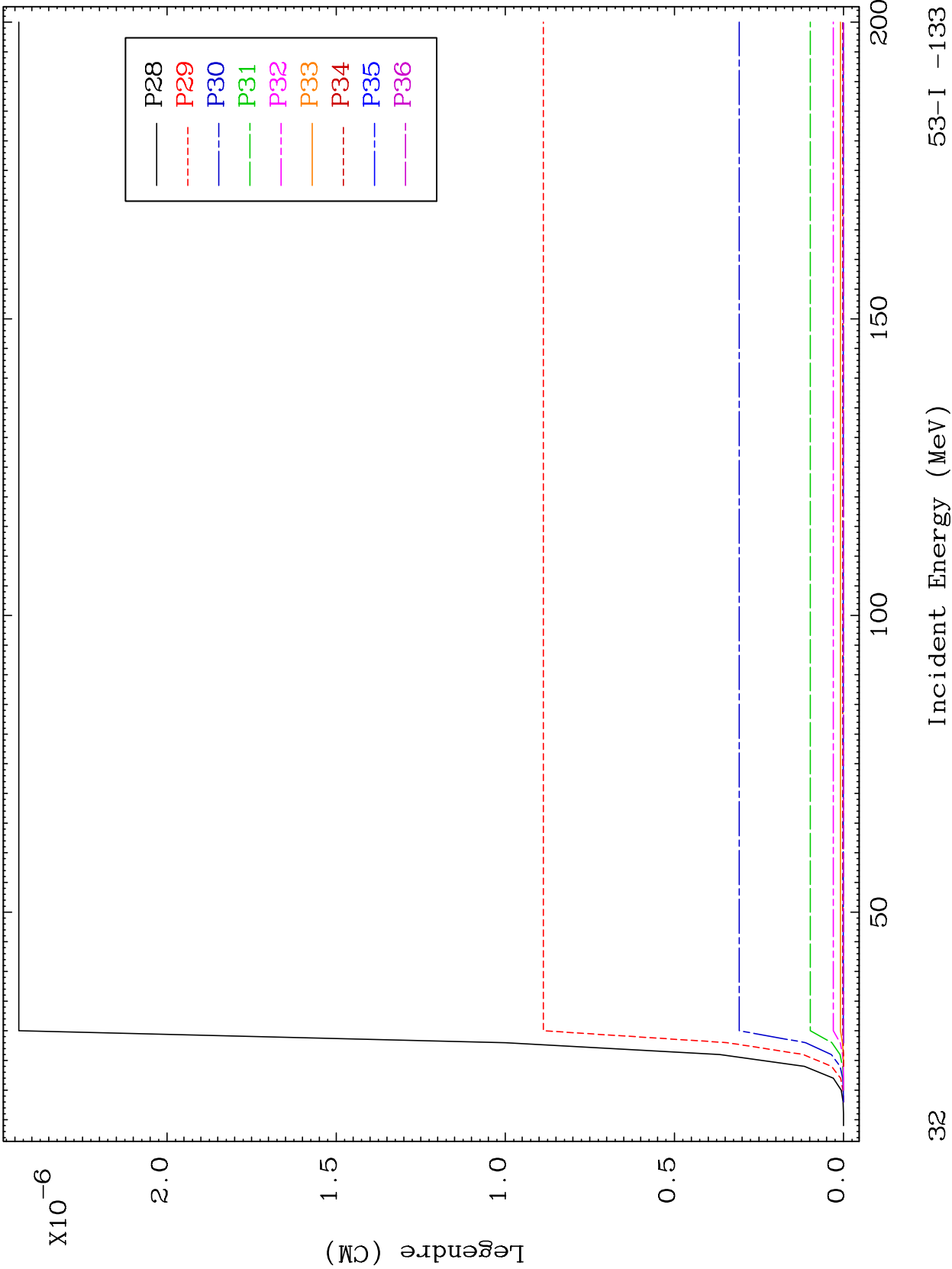


53-I -133

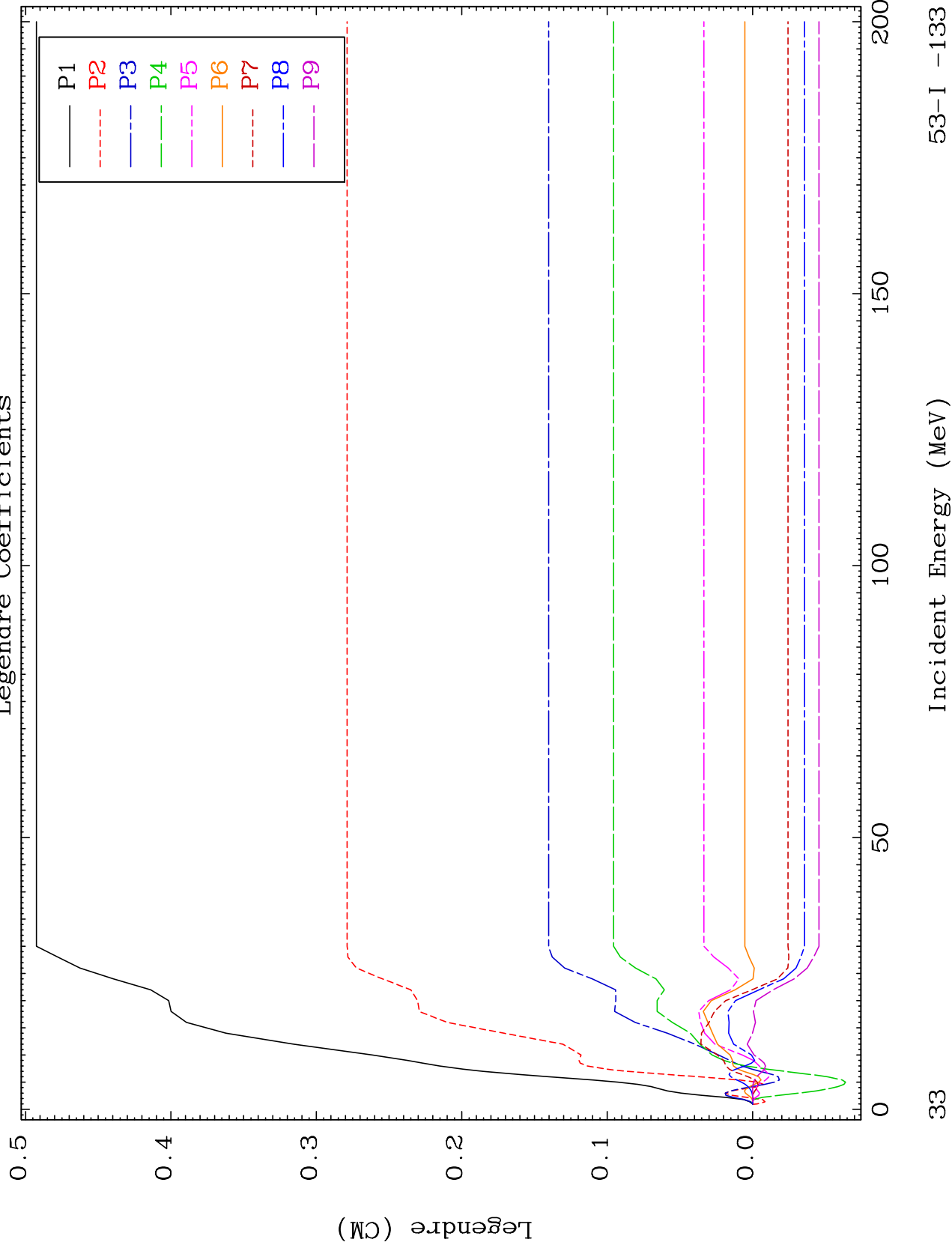
Incident Energy (MeV)

30





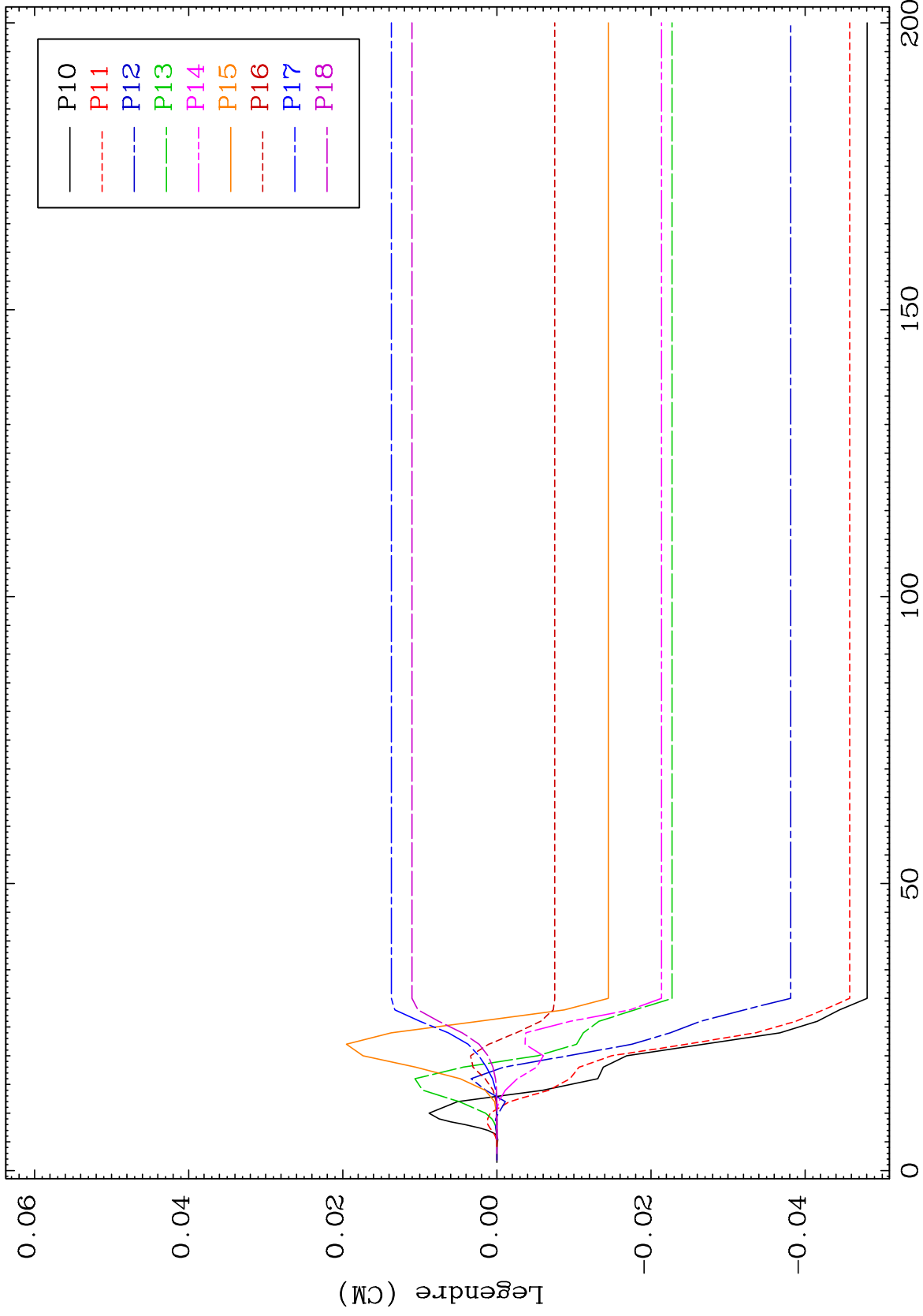
Legendre Coefficients



MAT 5343

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

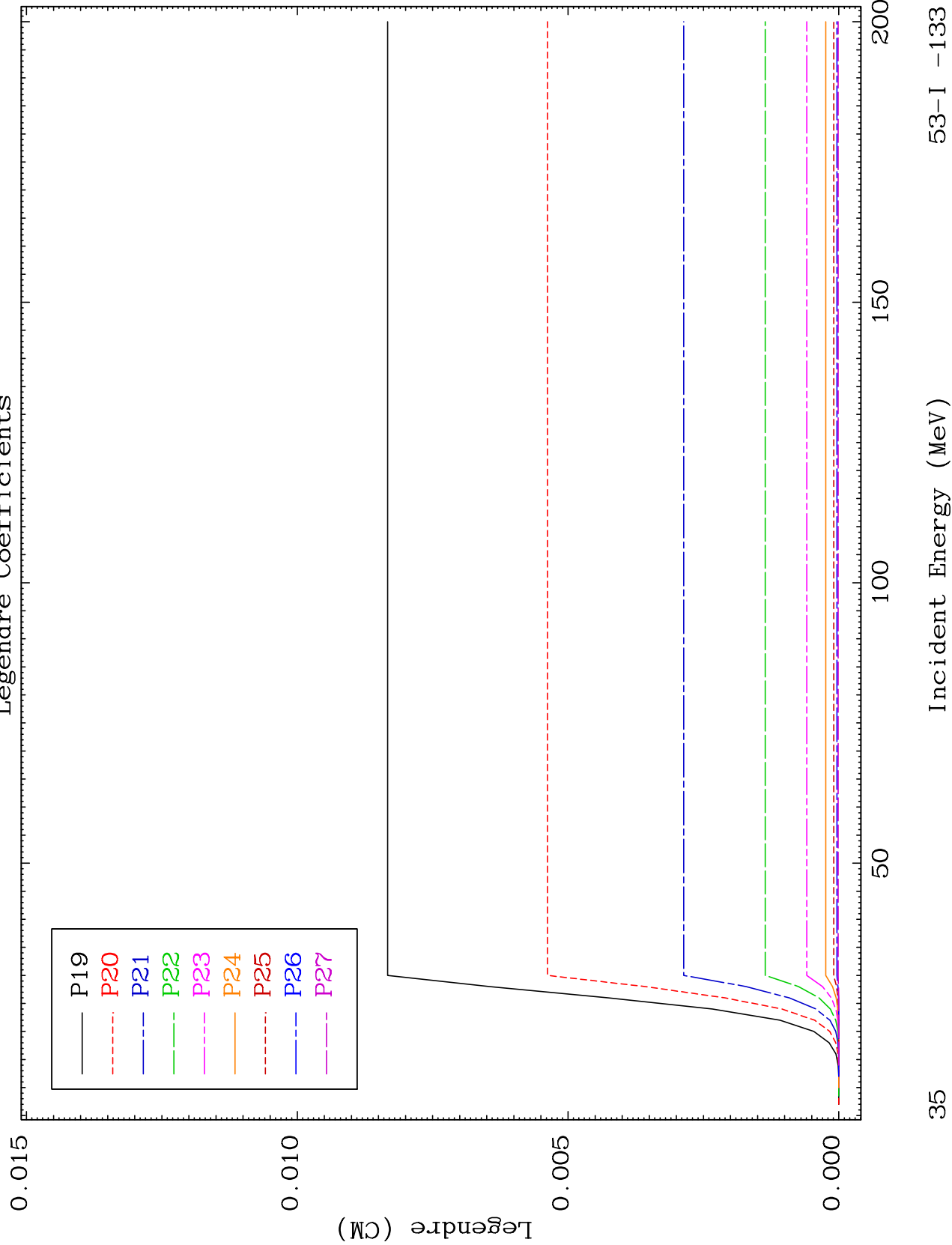
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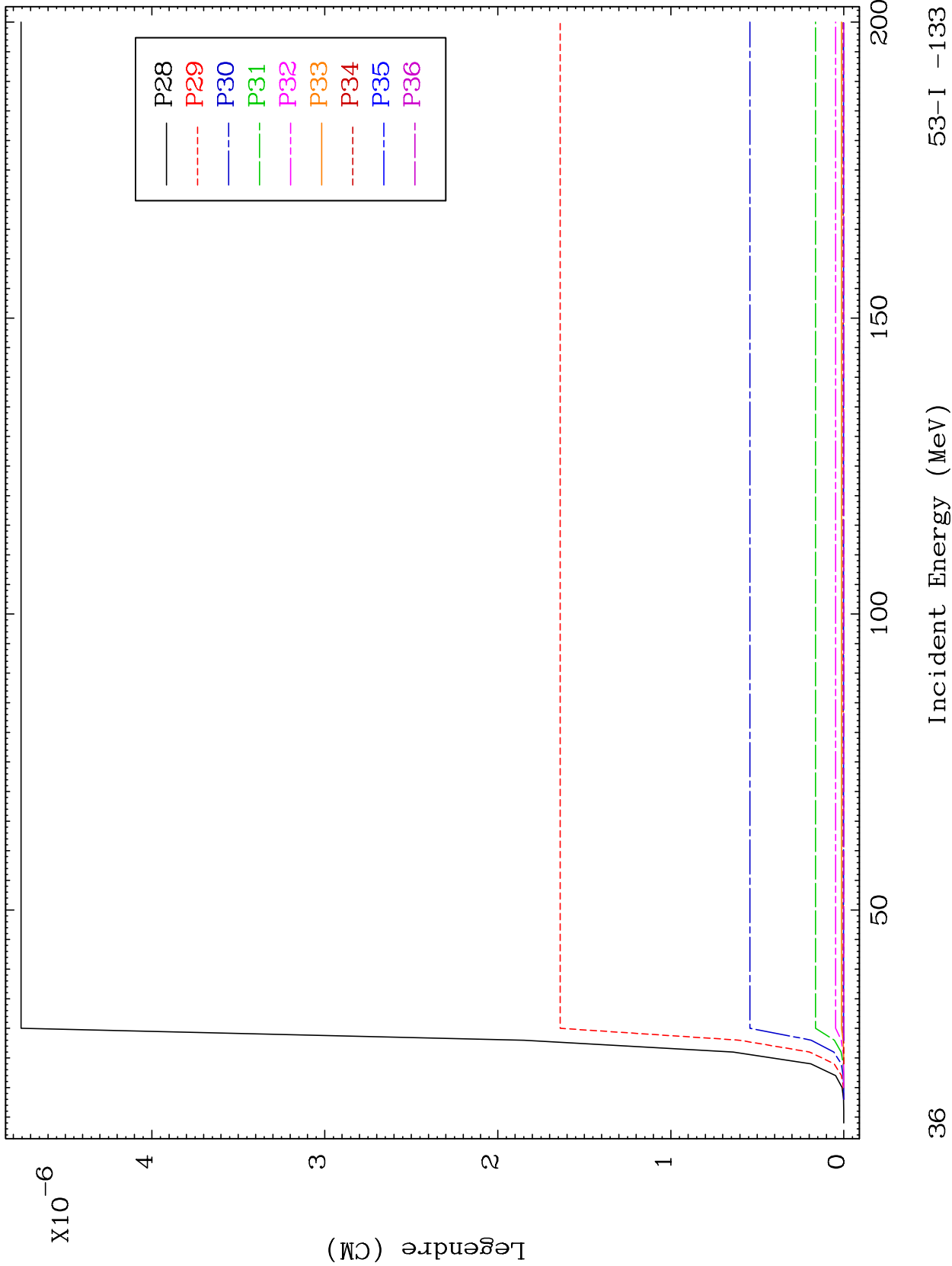


34

Incident Energy (MeV)

53-I -133



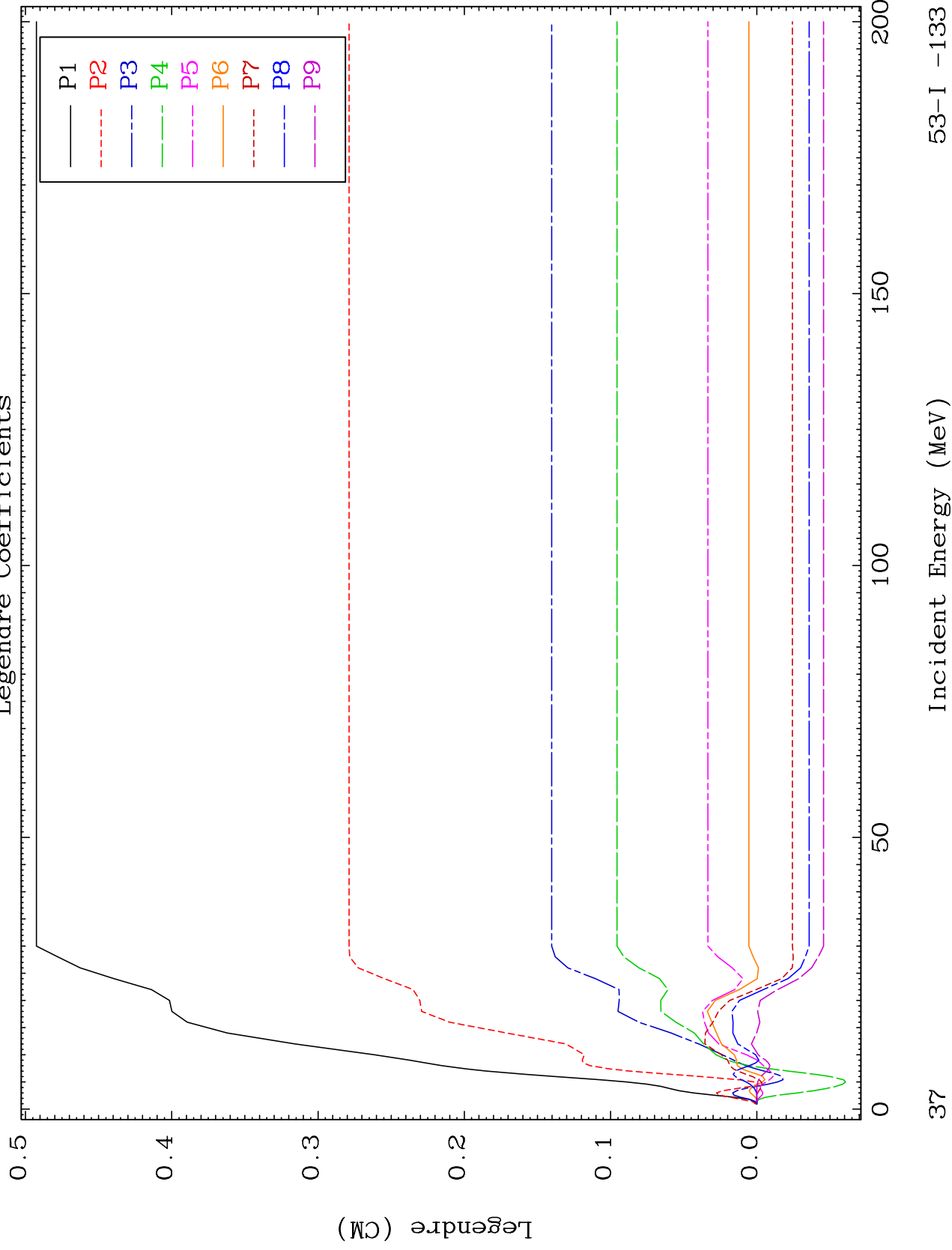


MAT 5343

MT= 55 (n,n') Level

53-I -133

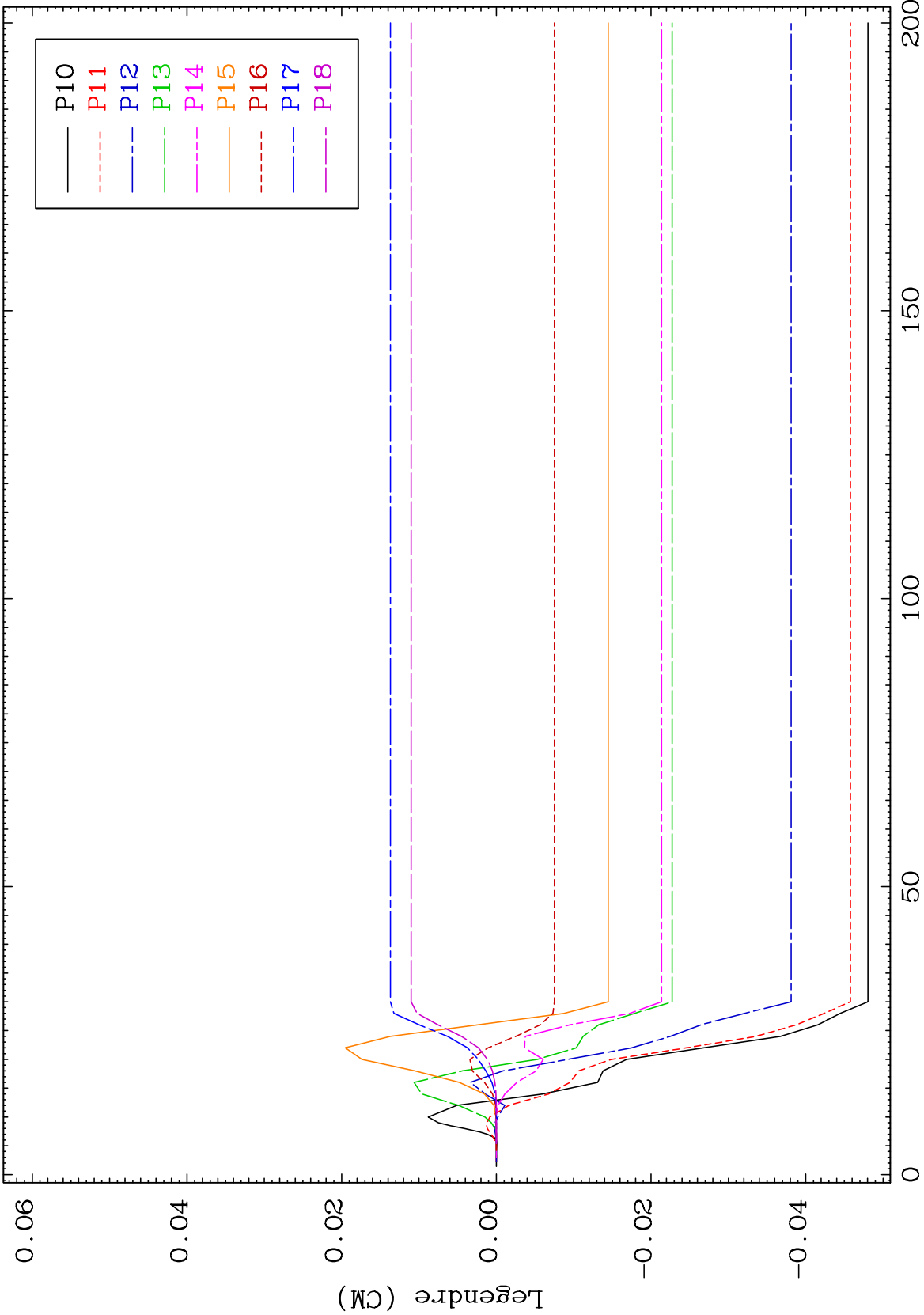
Legendre Coefficients



MAT 5343

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

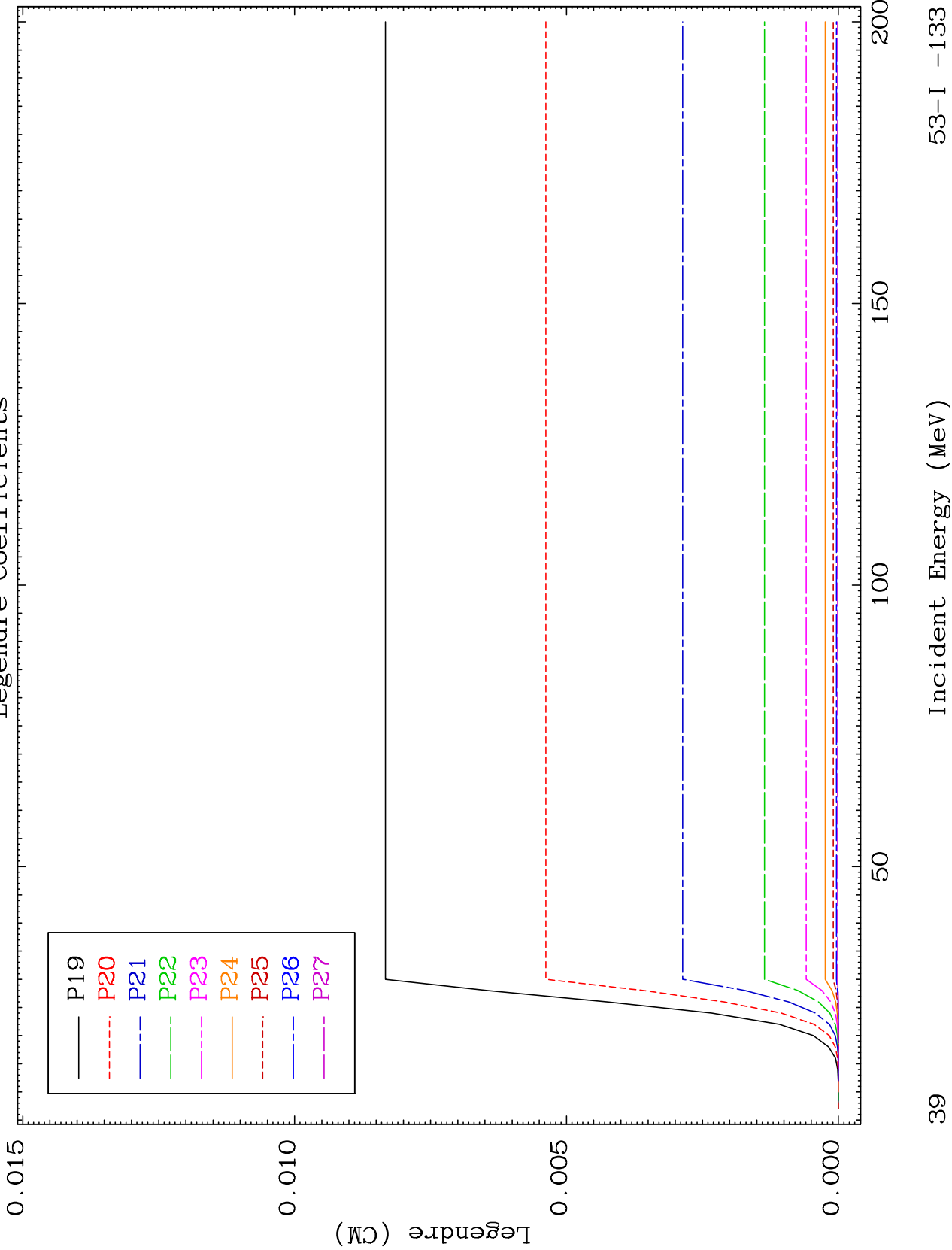
53-I -133



38

Incident Energy (MeV)

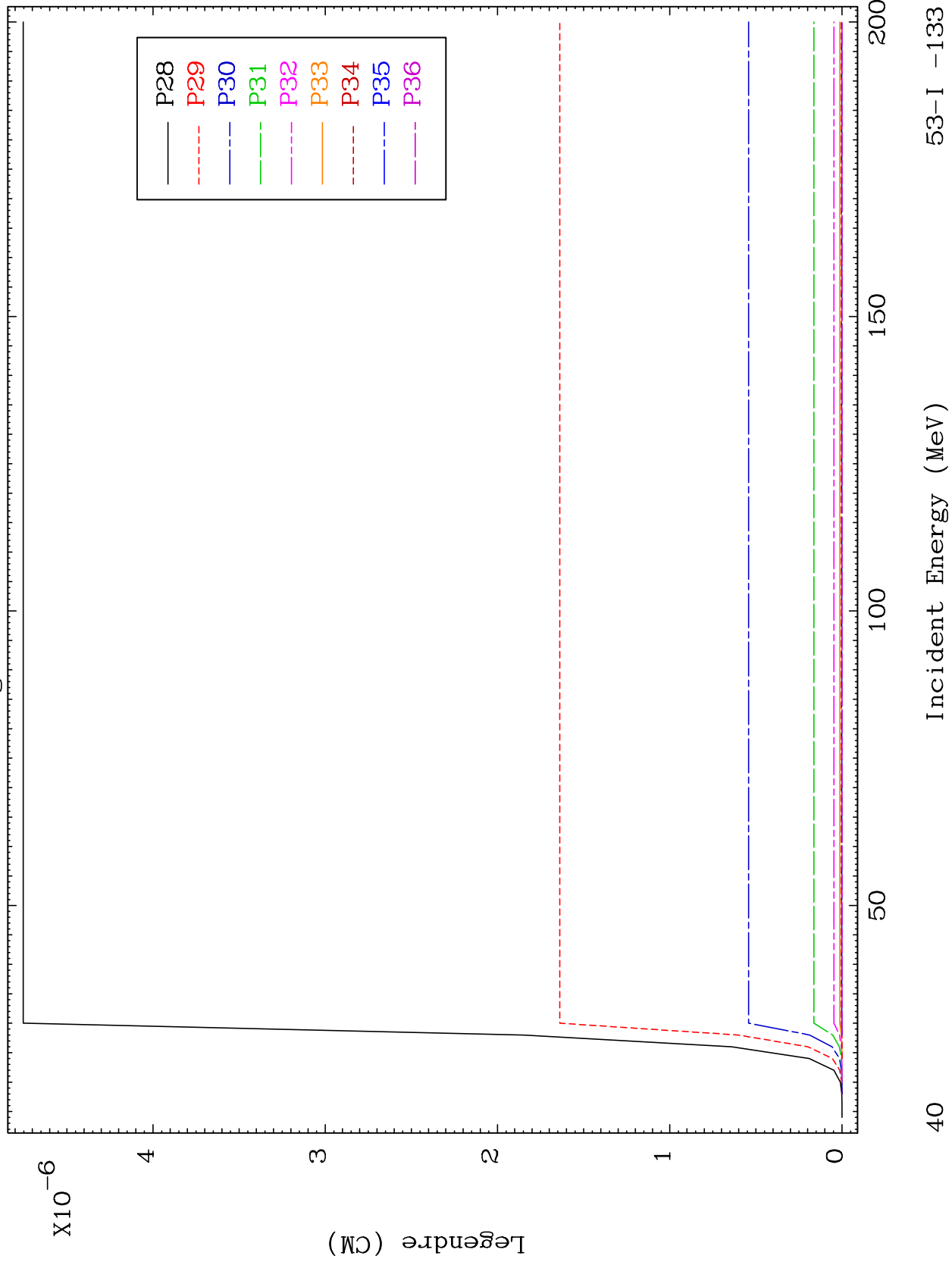
53-I -133



MAT 5343

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

53-I -133

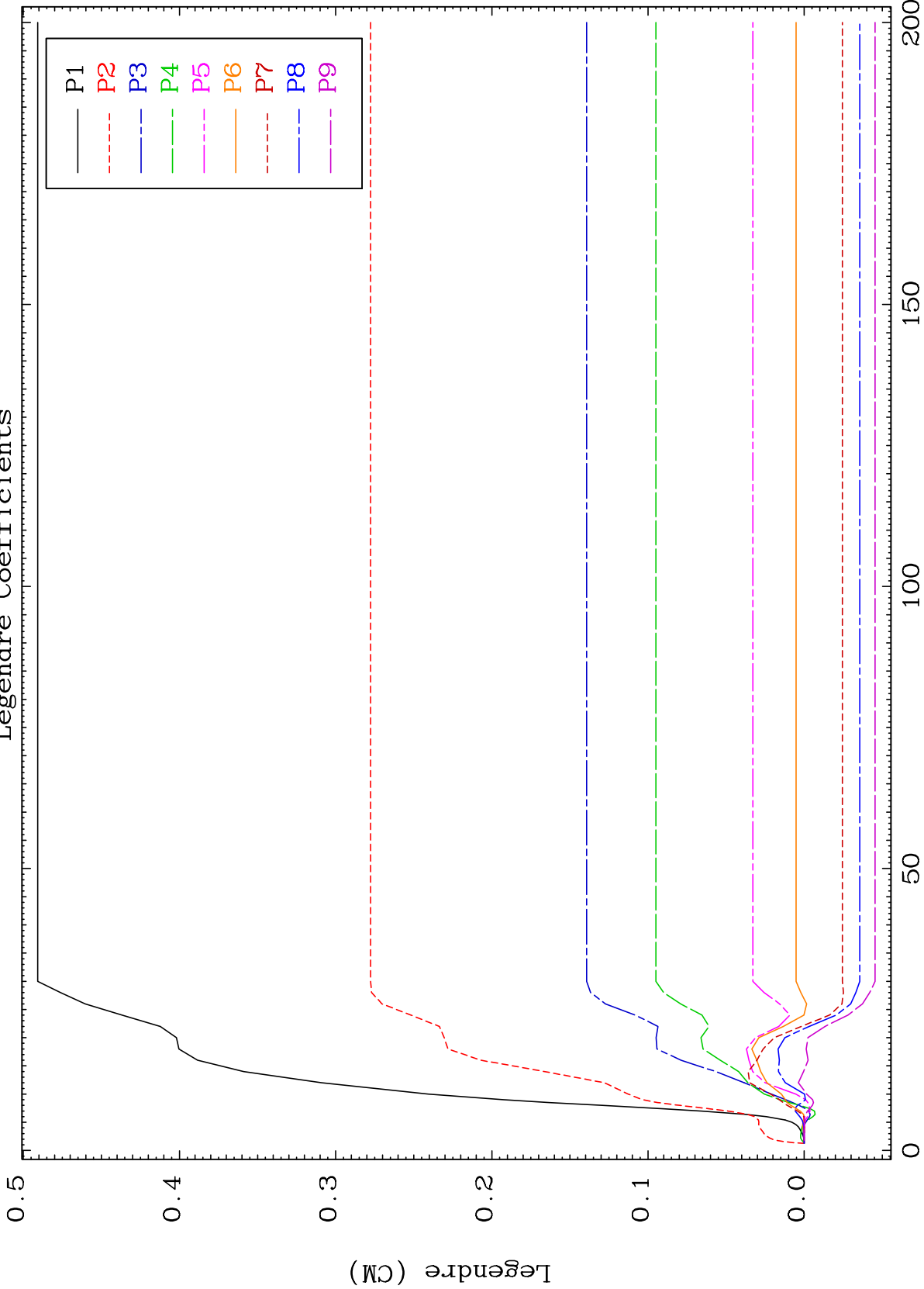


53-I -133

Incident Energy (MeV)

40

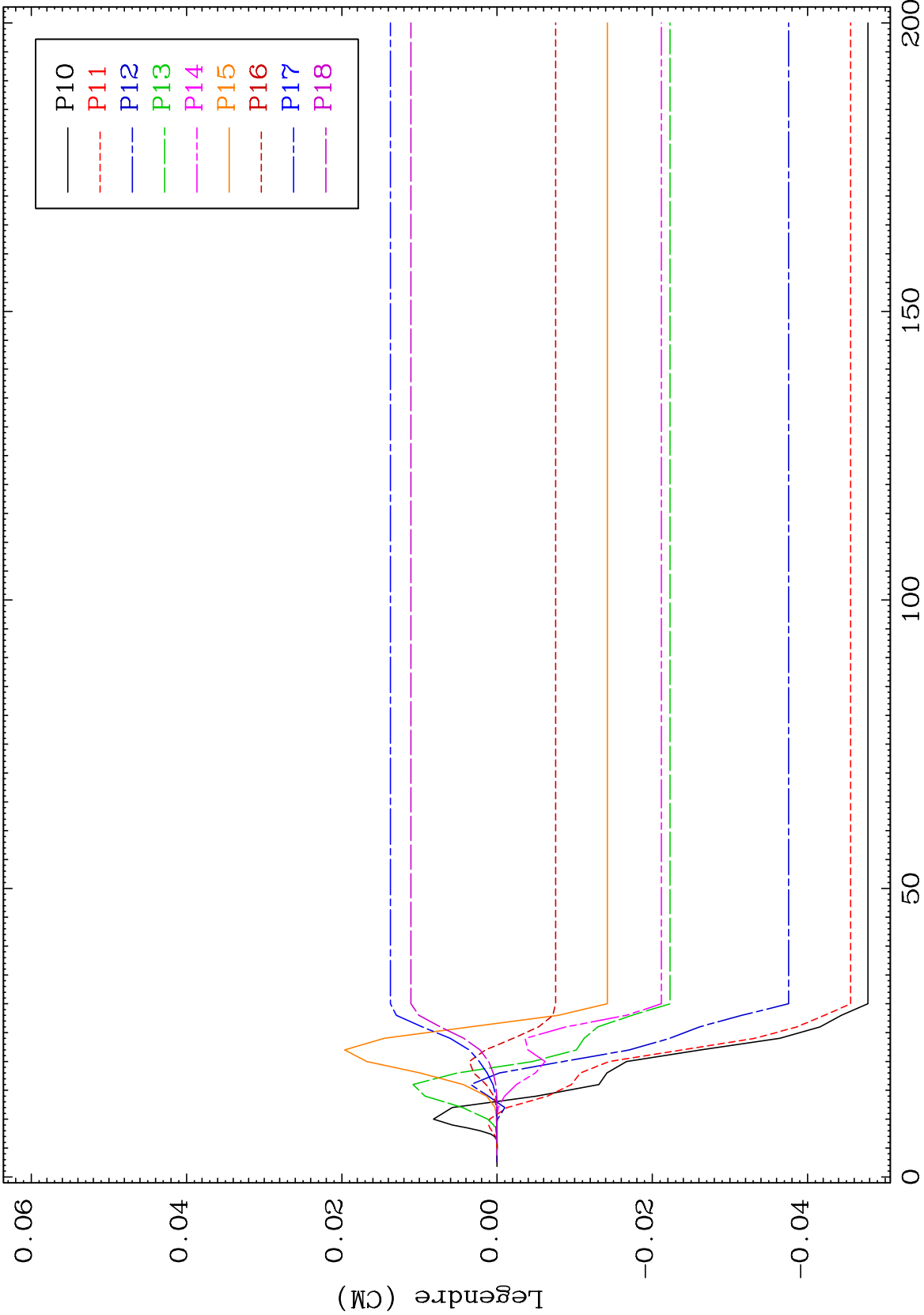
Legendre Coefficients



MAT 5343

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

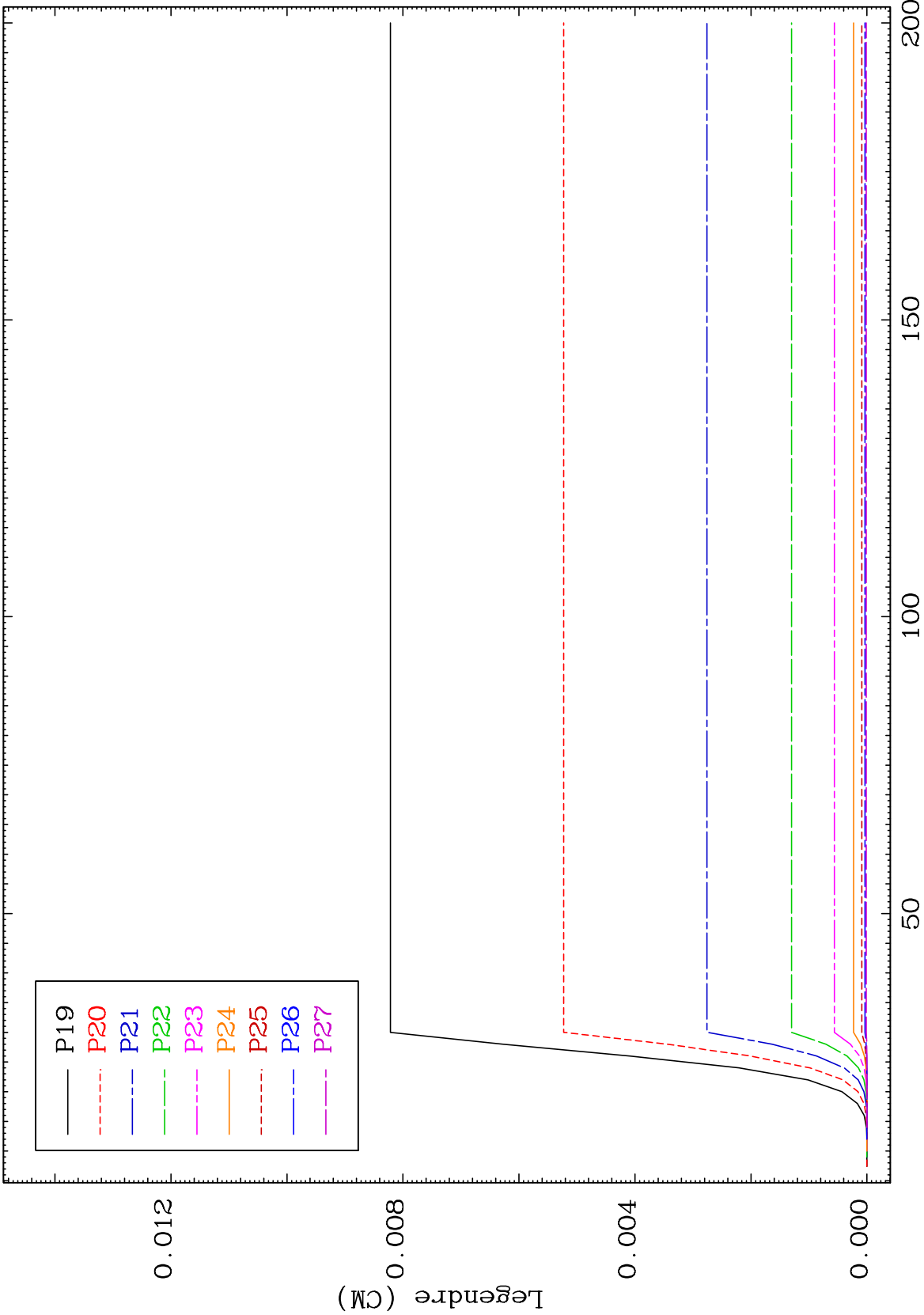
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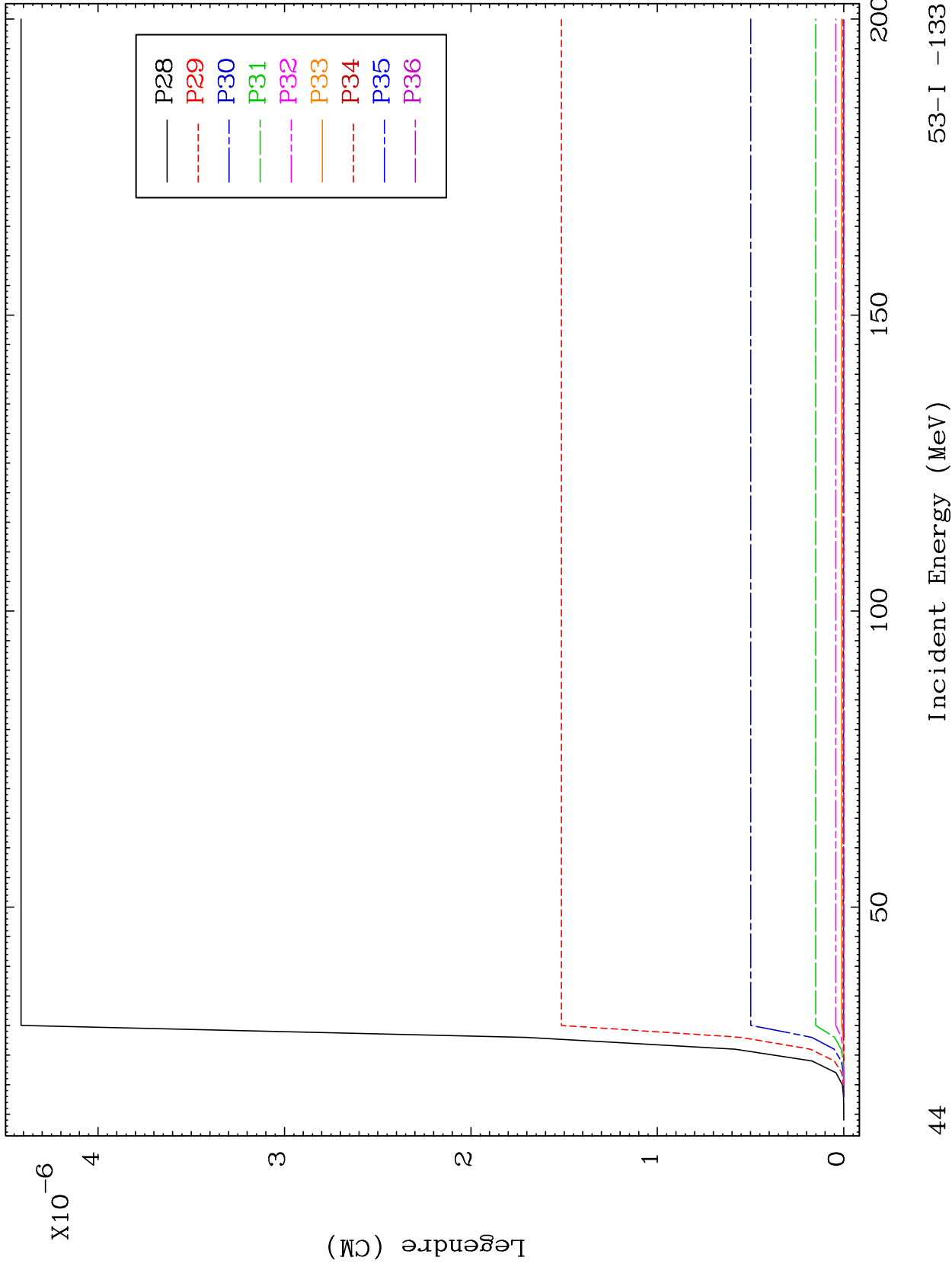


42

Incident Energy (MeV)

53-I -133

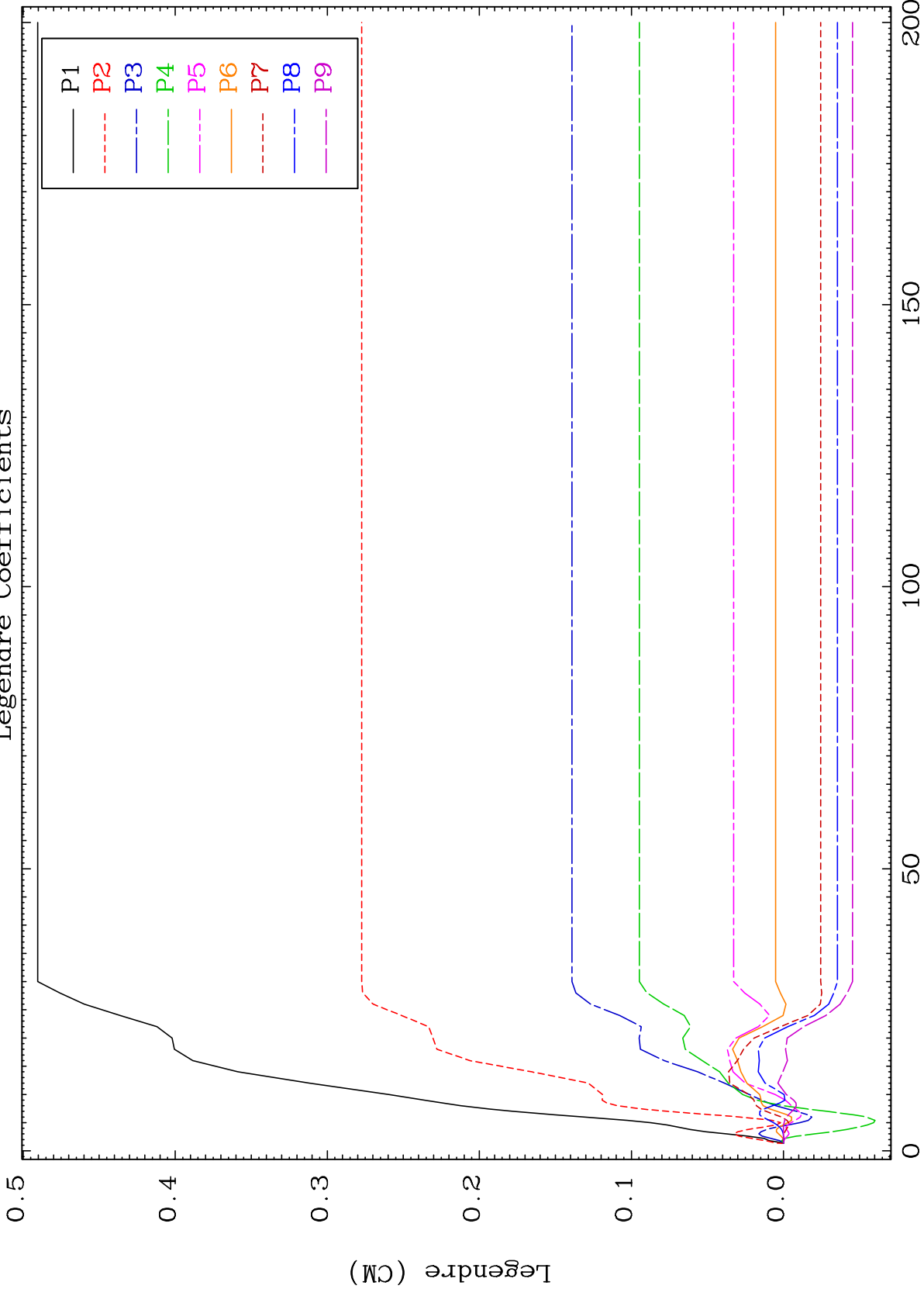




MAT 5343

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

53-I -133



53-I -133

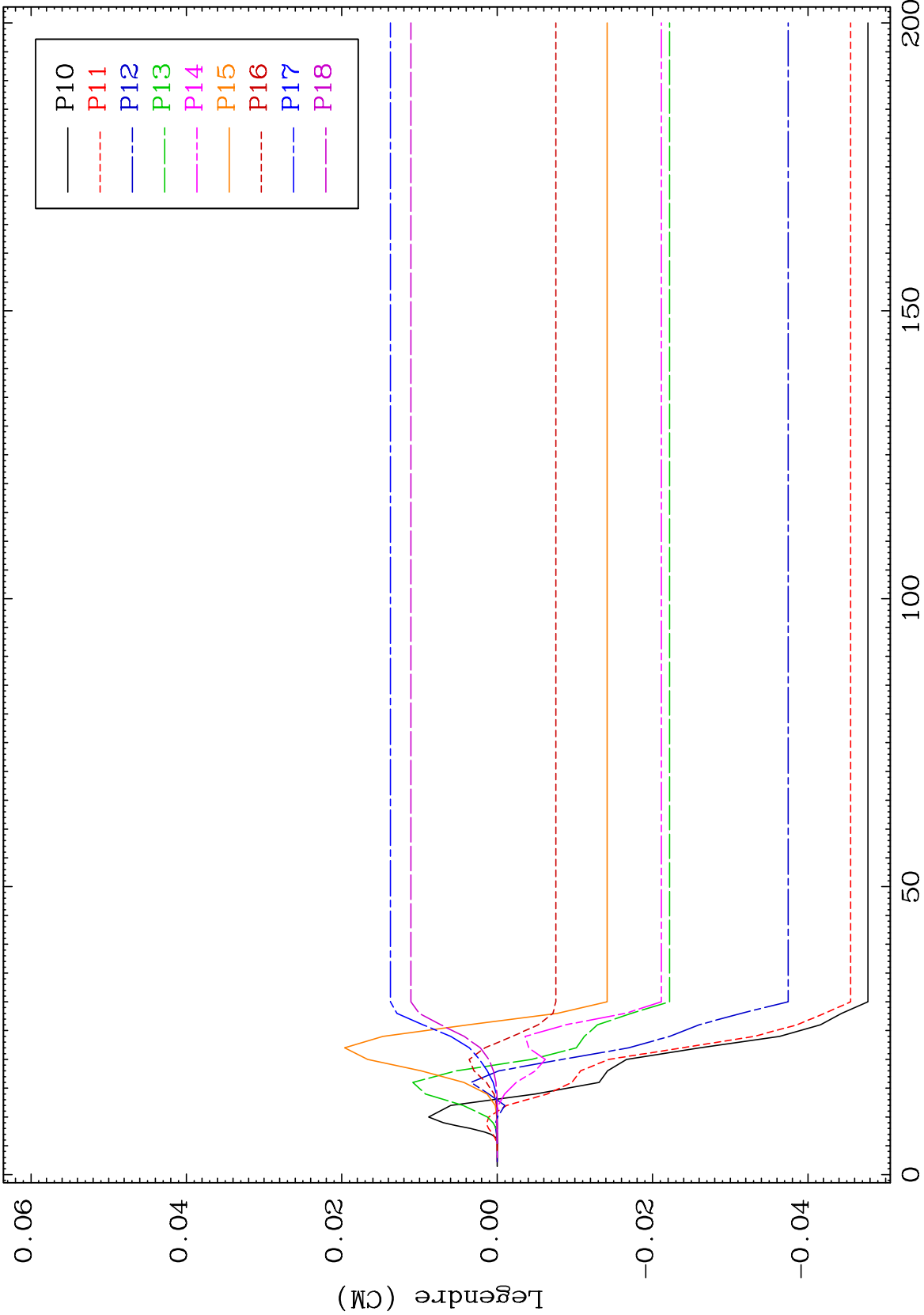
Incident Energy (MeV)

45

MAT 5343

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

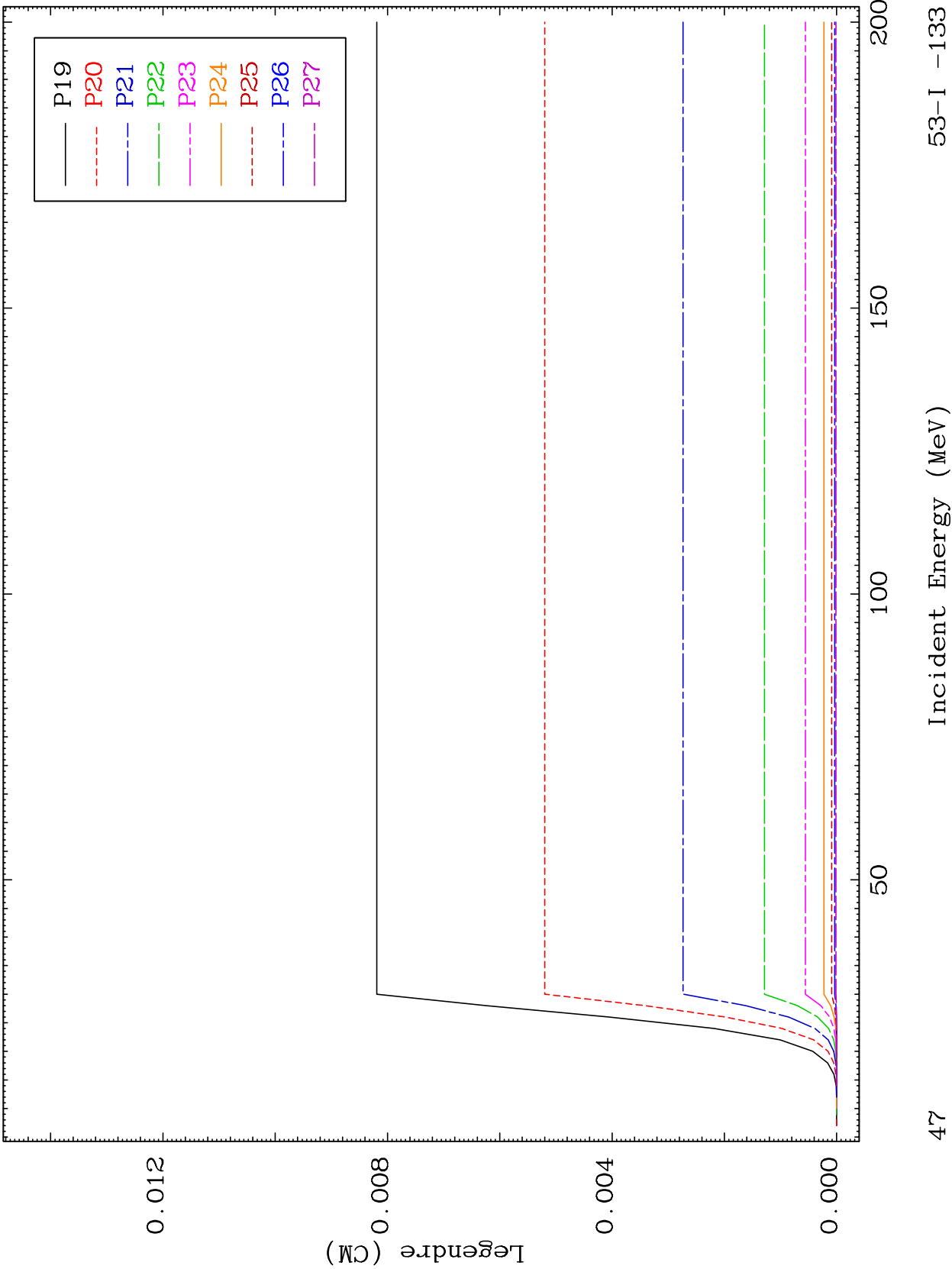
53-I -133



46

Incident Energy (MeV)

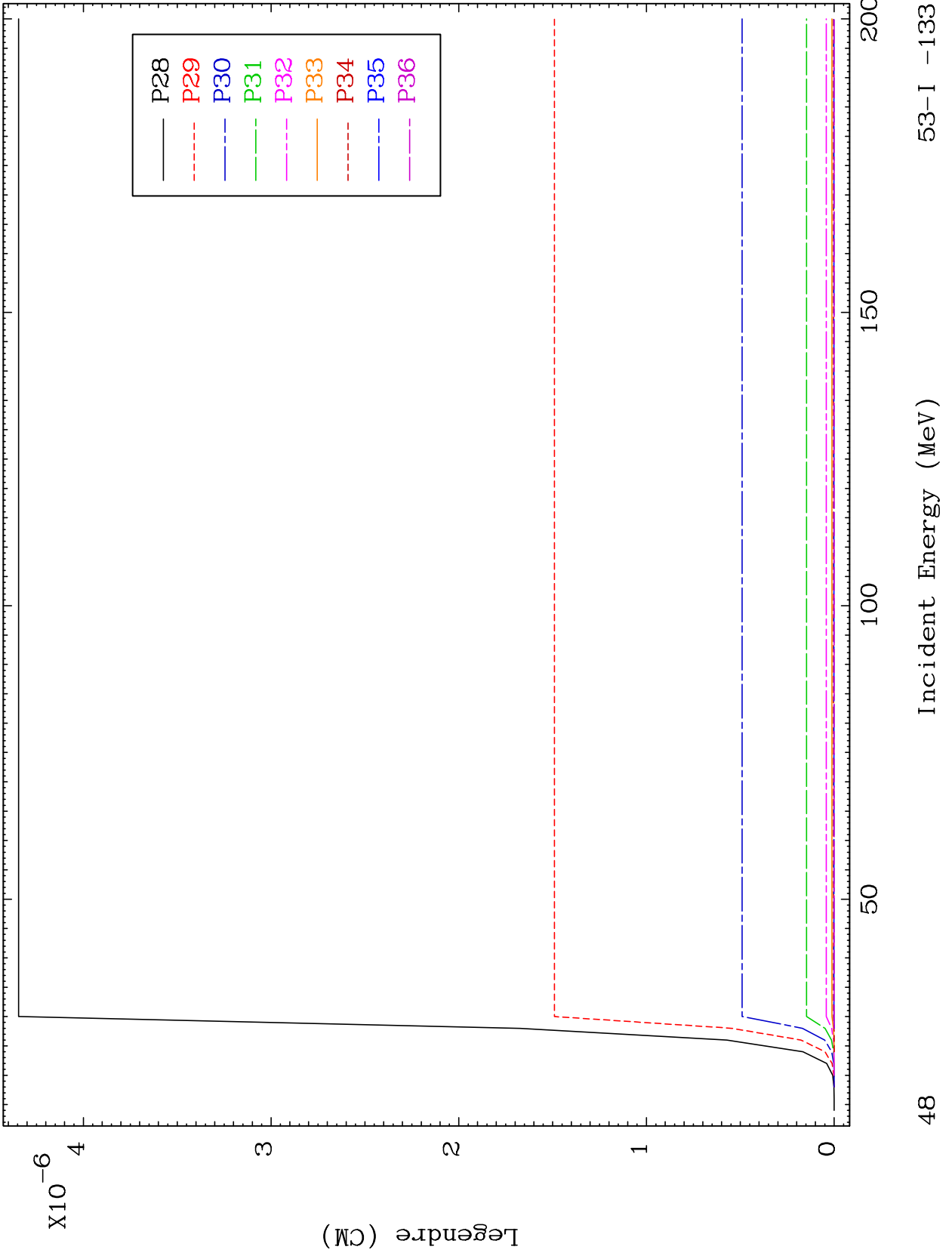
53-I -133



MAT 5343

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

53-I -133



48

Incident Energy (MeV)

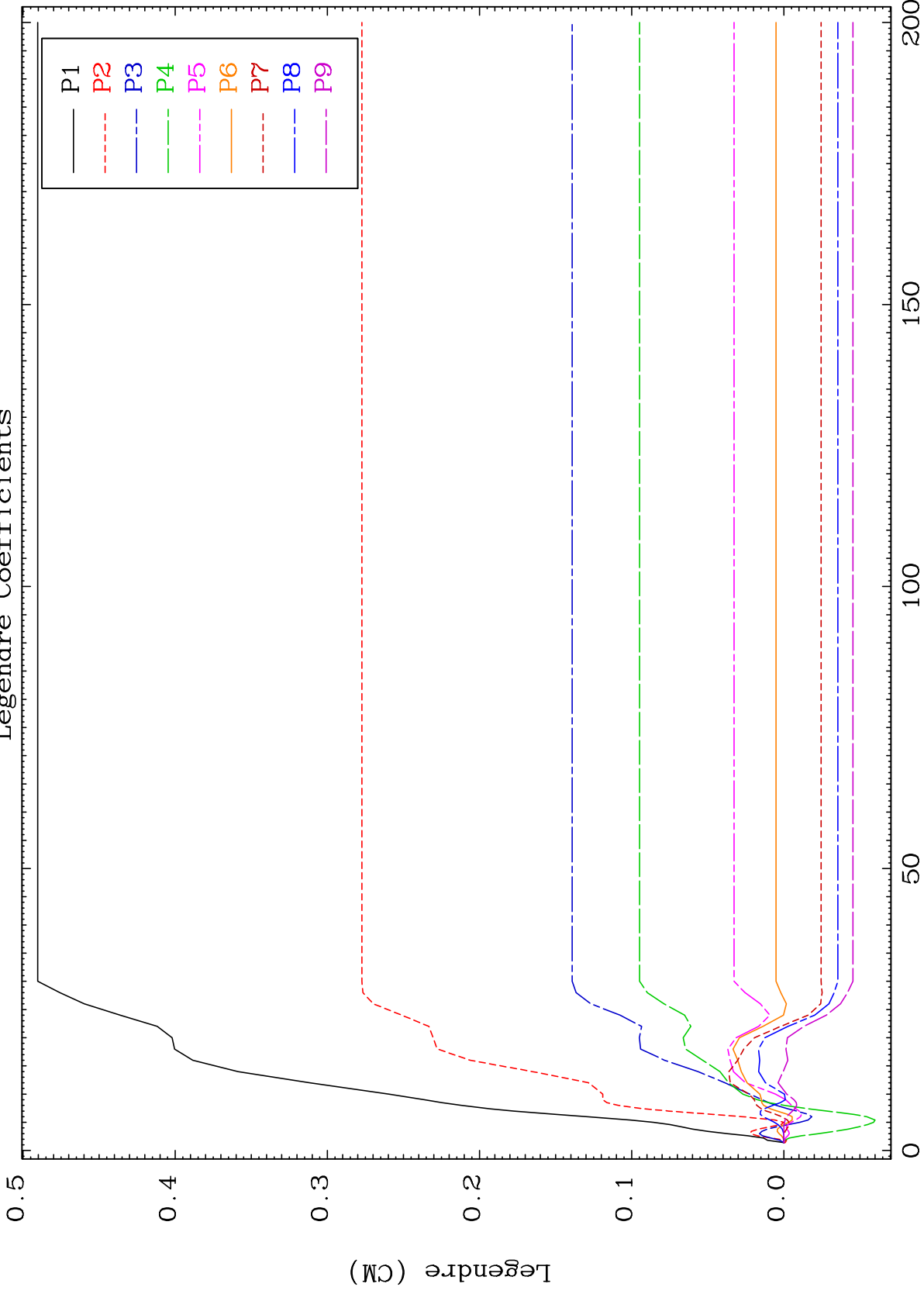
53-I -133

MAT 5343

MT= 58 (n,n') Level

53-I -133

Legendre Coefficients



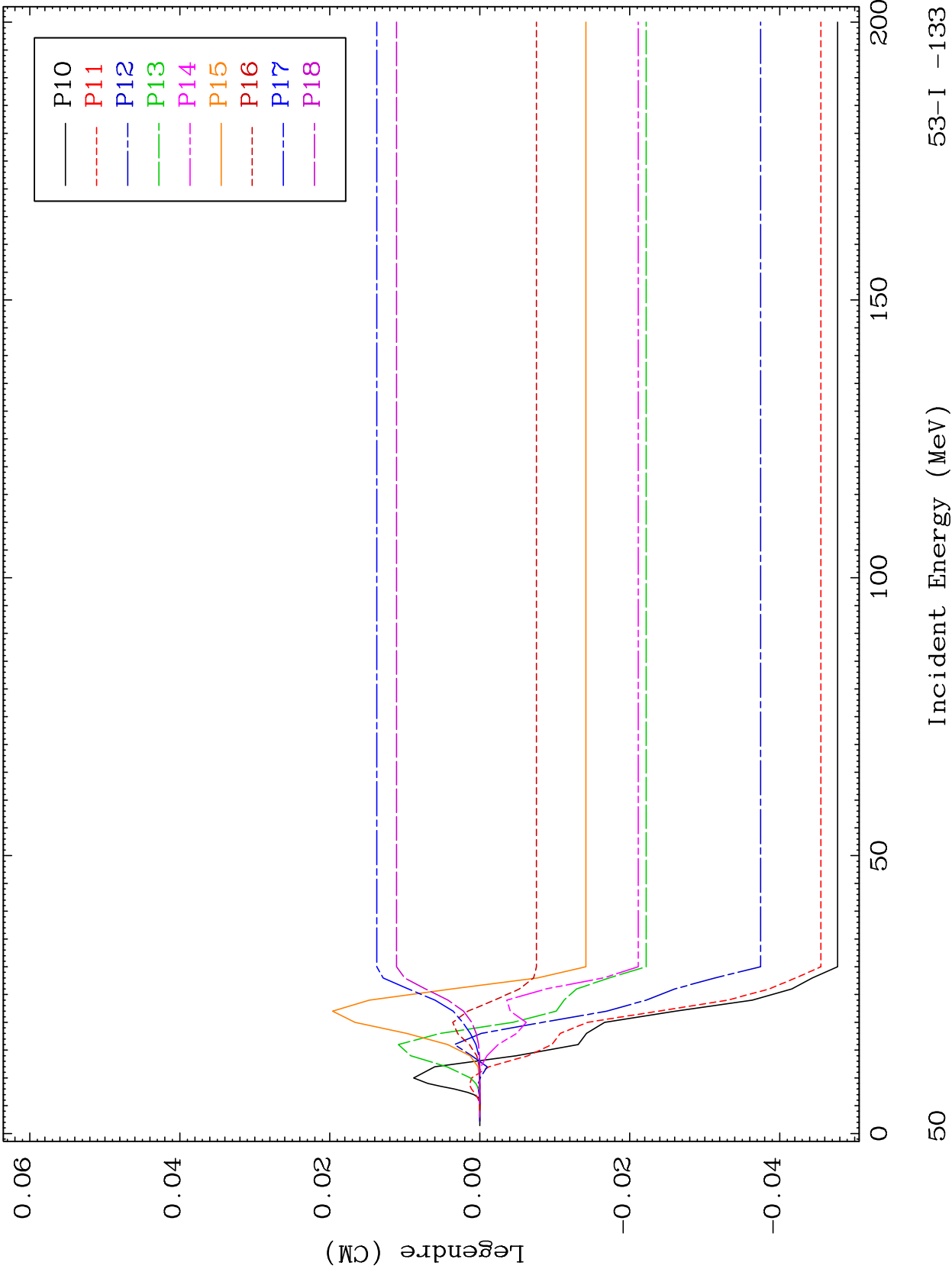
49

53-I -133

MAT 5343

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

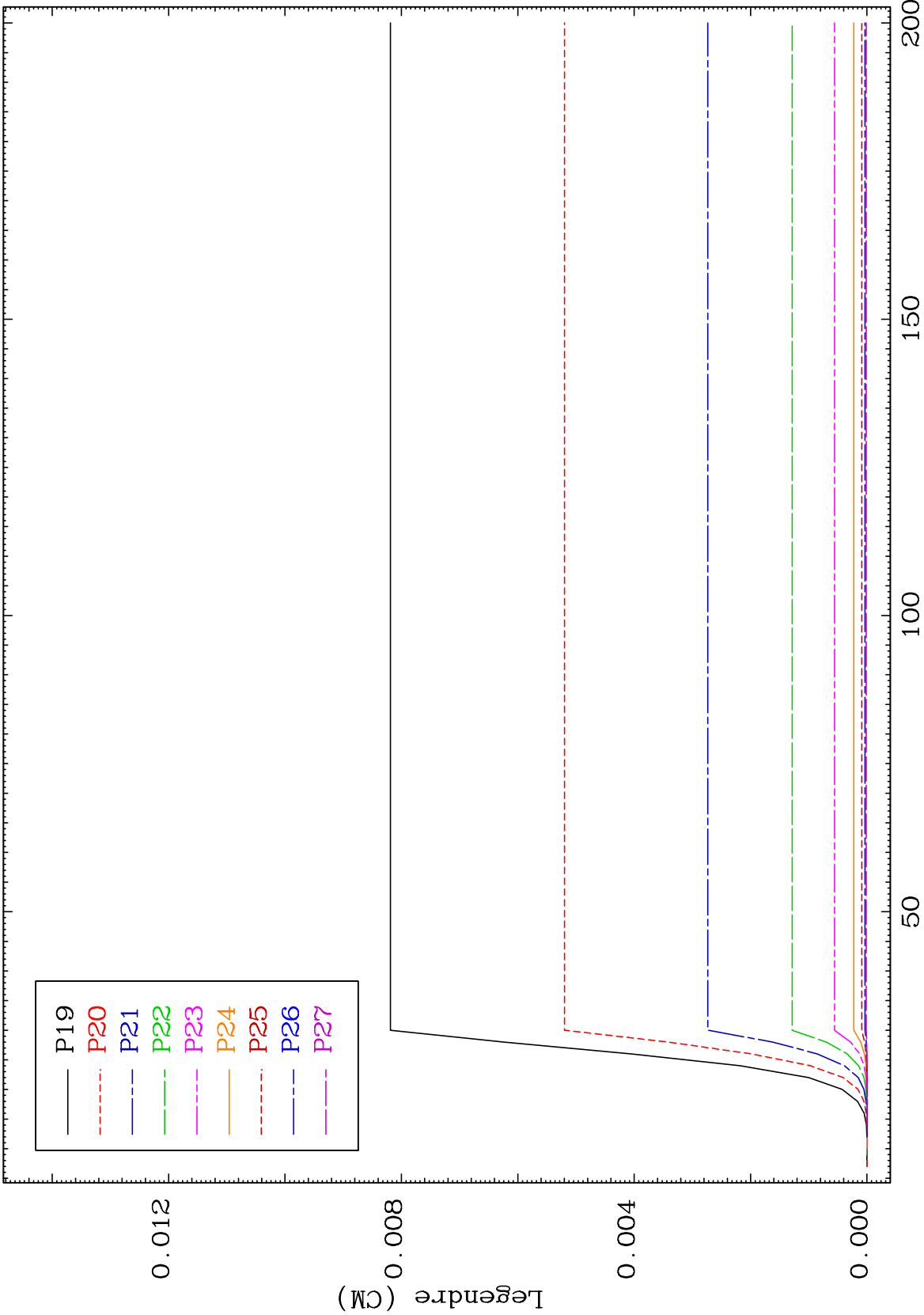
53-I -133



53-I -133

Incident Energy (MeV)

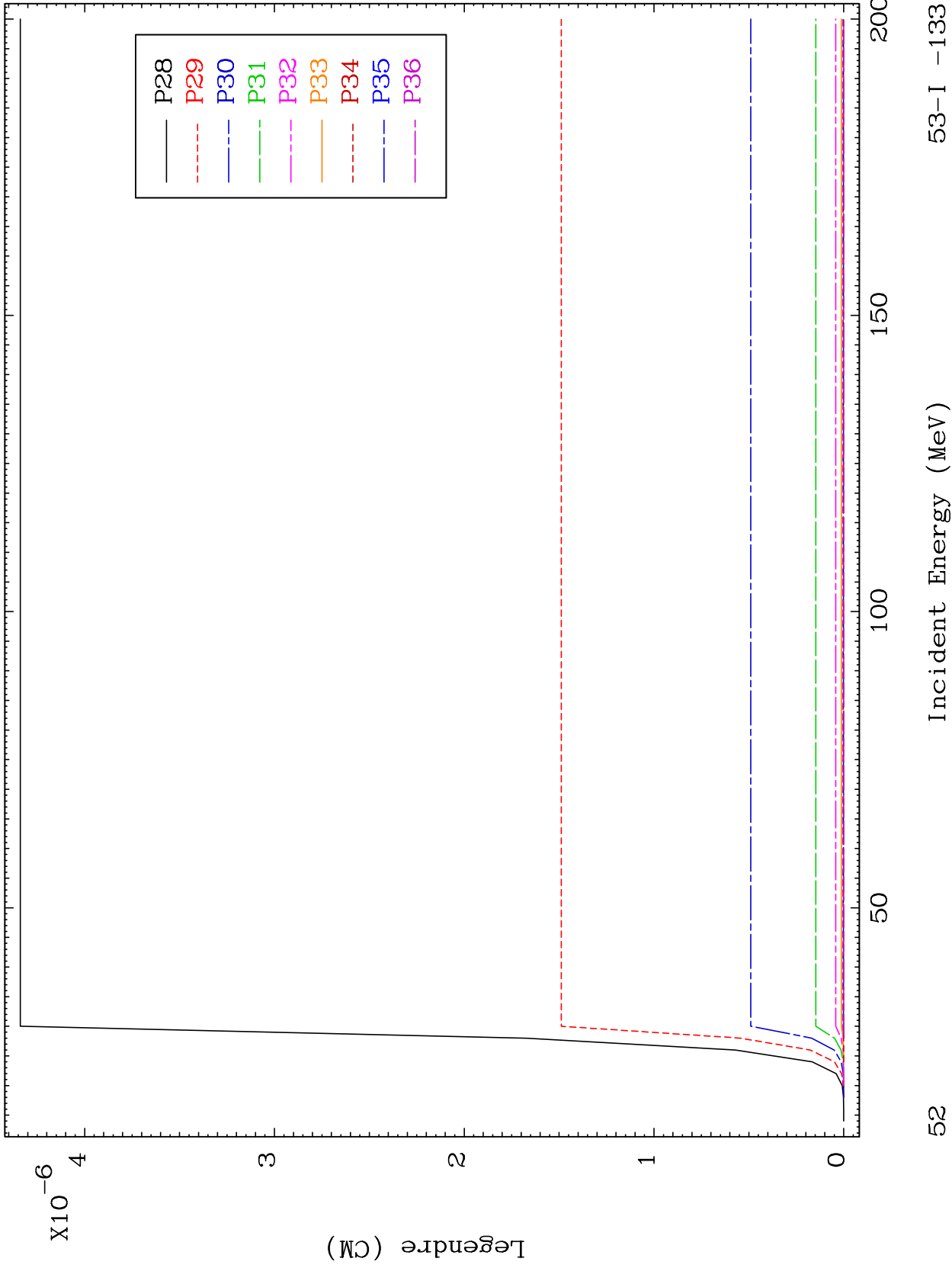
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MAT 5343

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

53-I -133



52

Incident Energy (MeV)

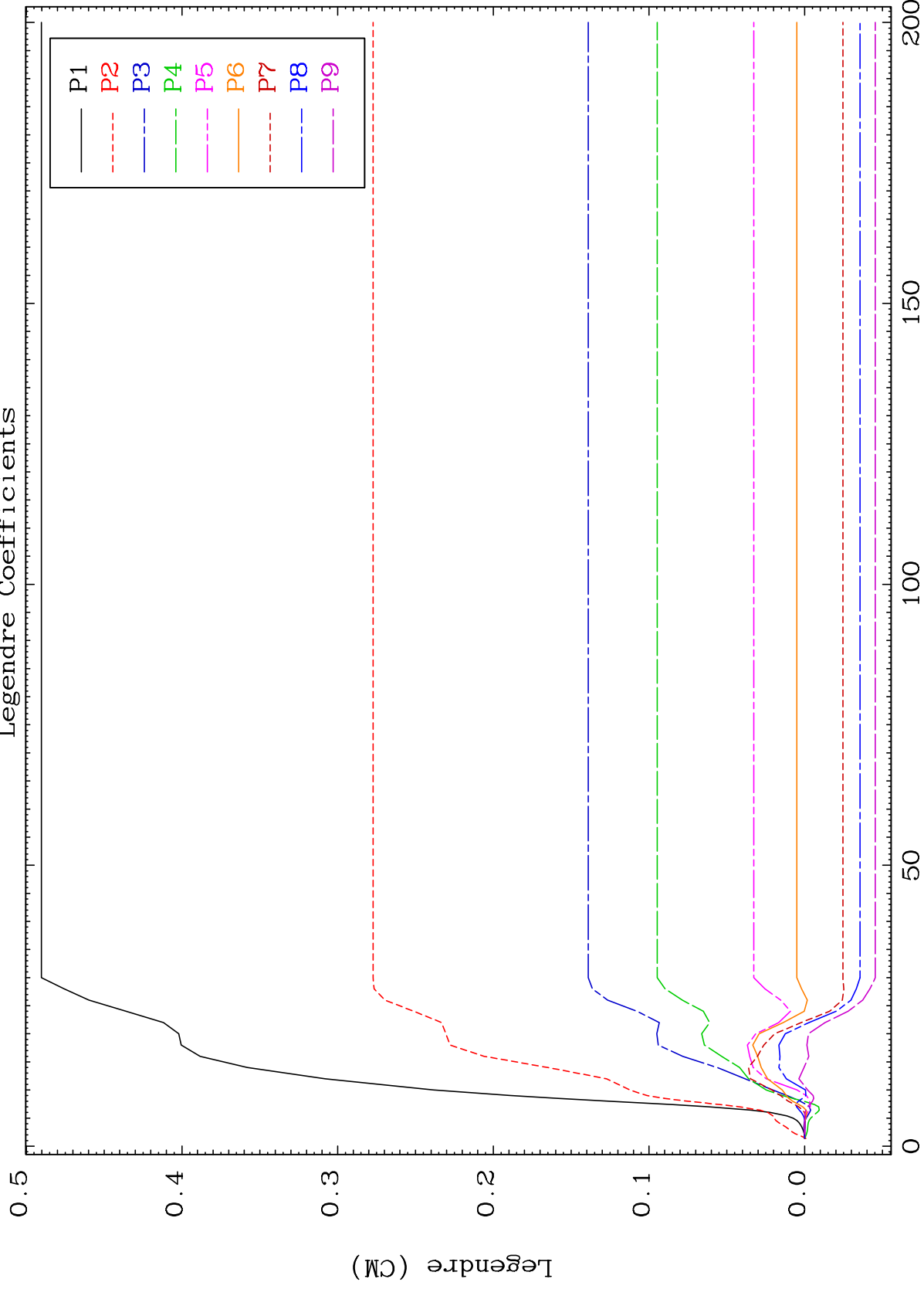
53-I -133

MAT 5343

MT= 59 (n,n') Level

53-I -133

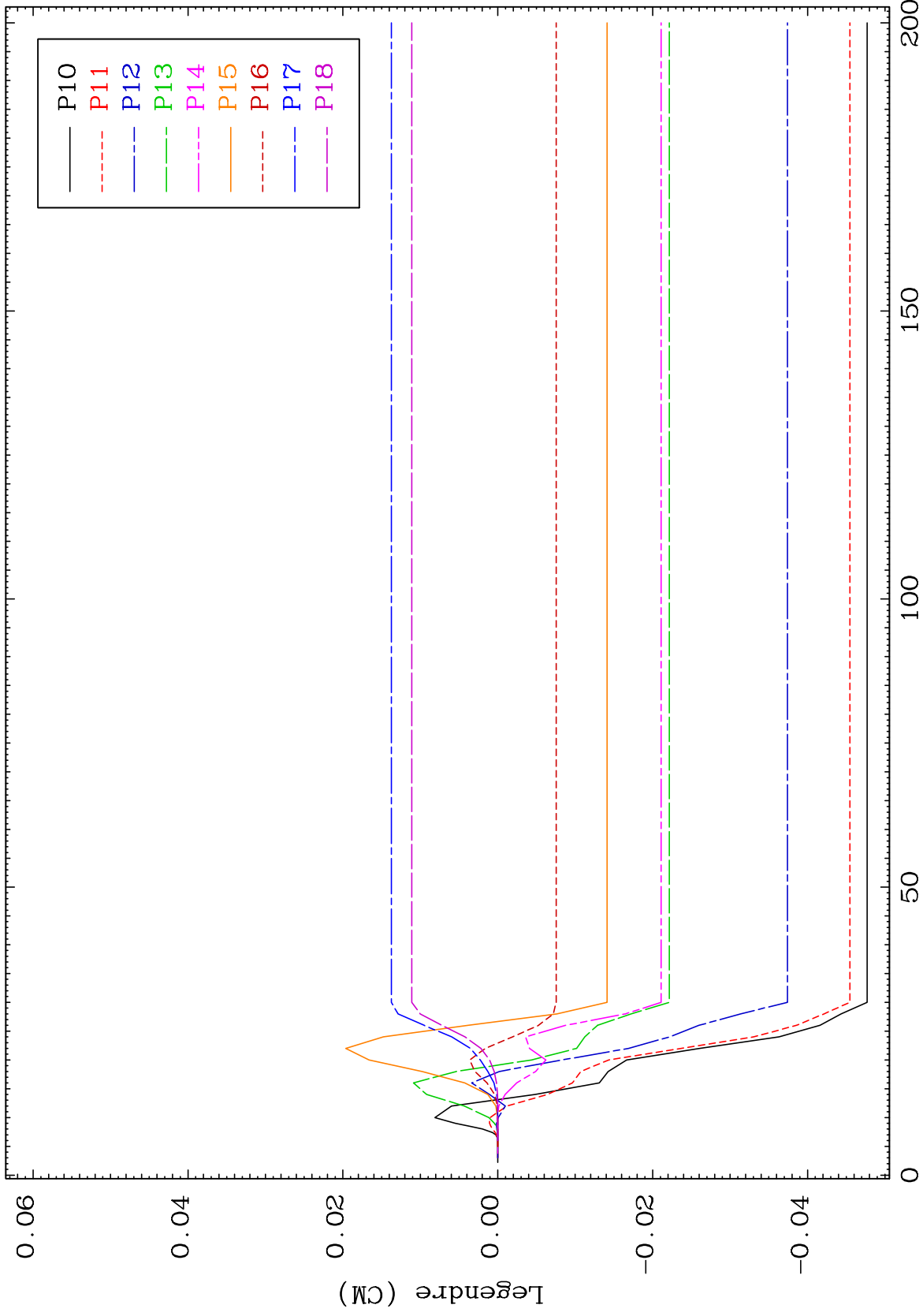
Legendre Coefficients

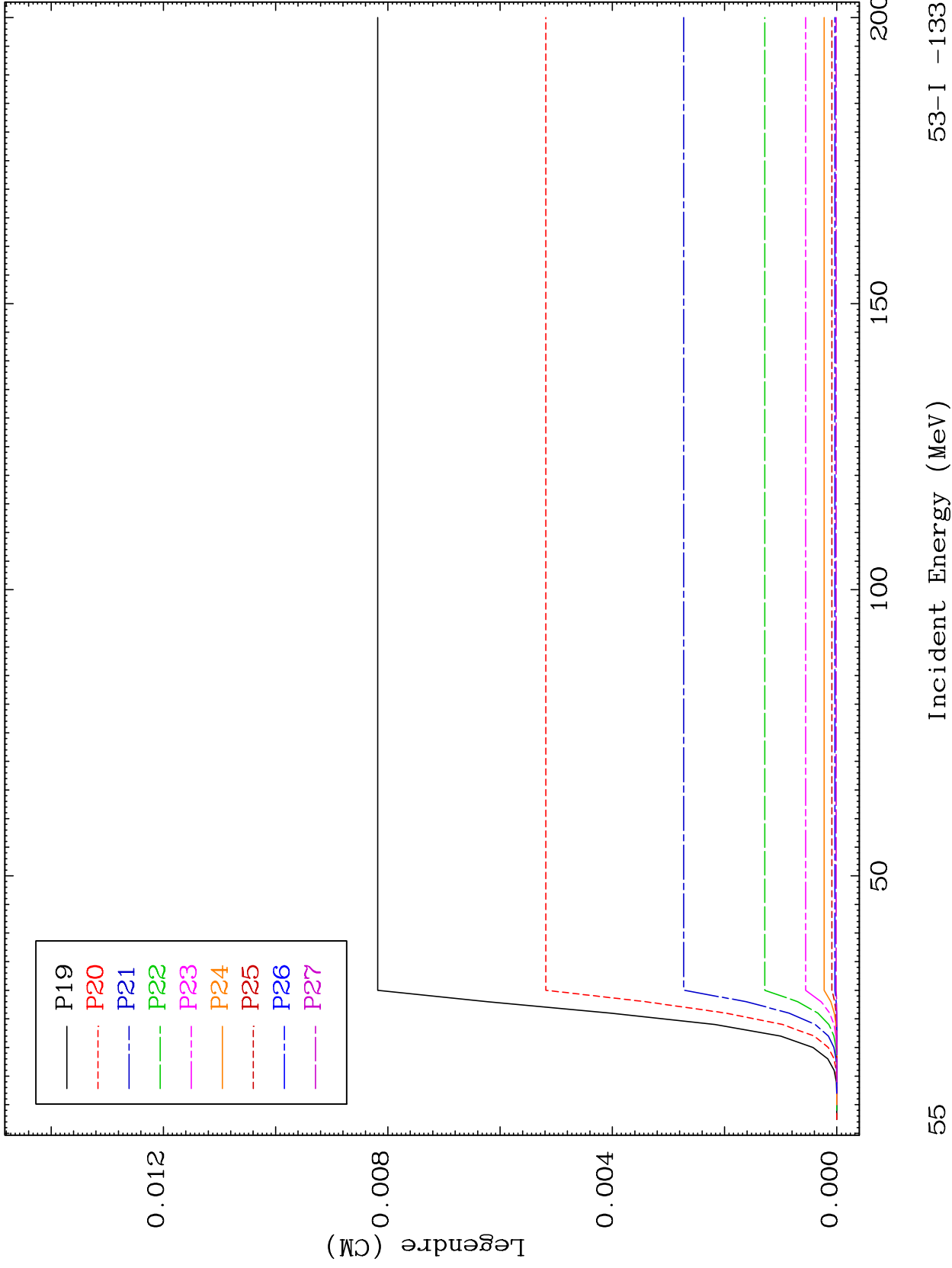


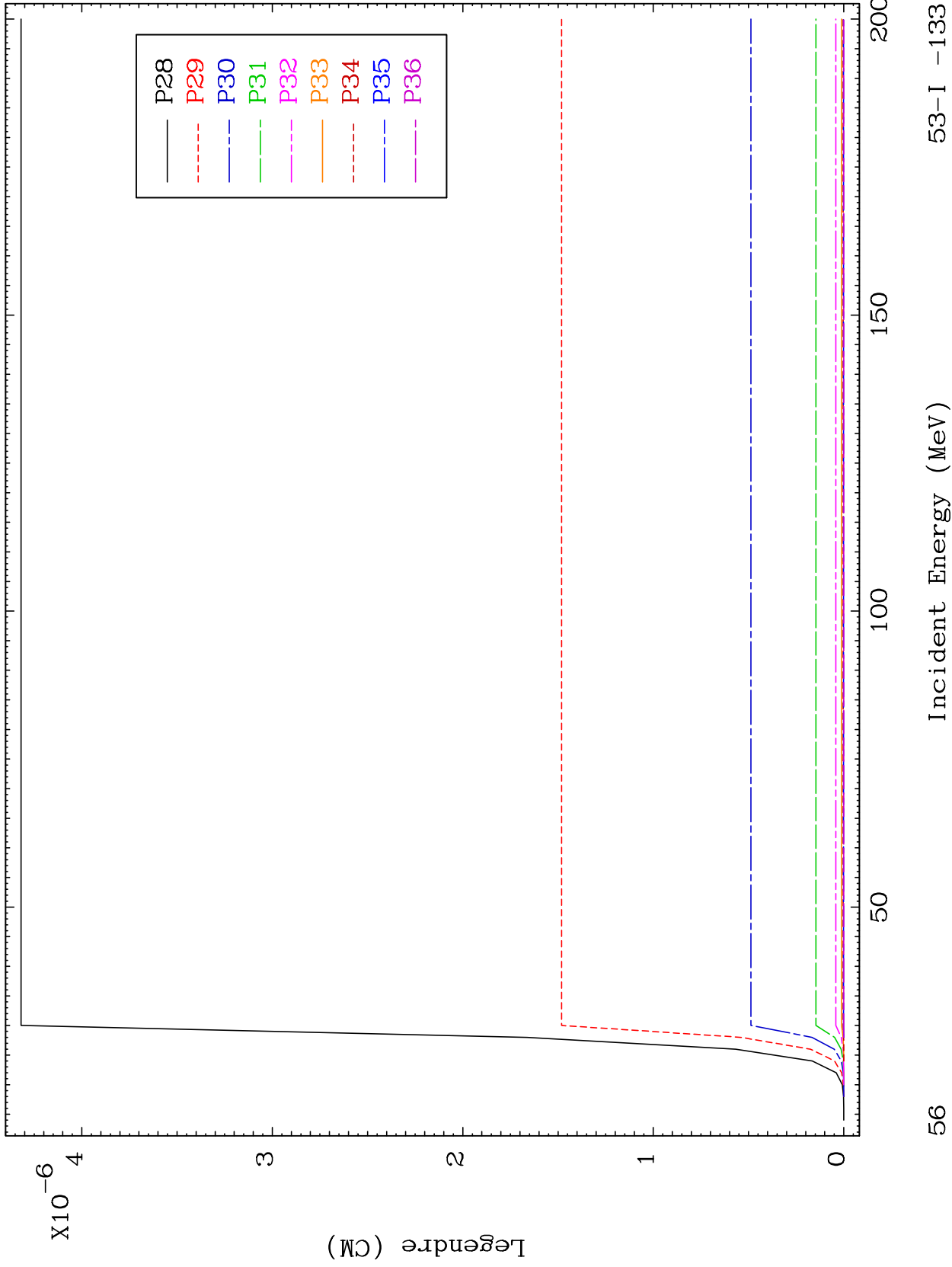
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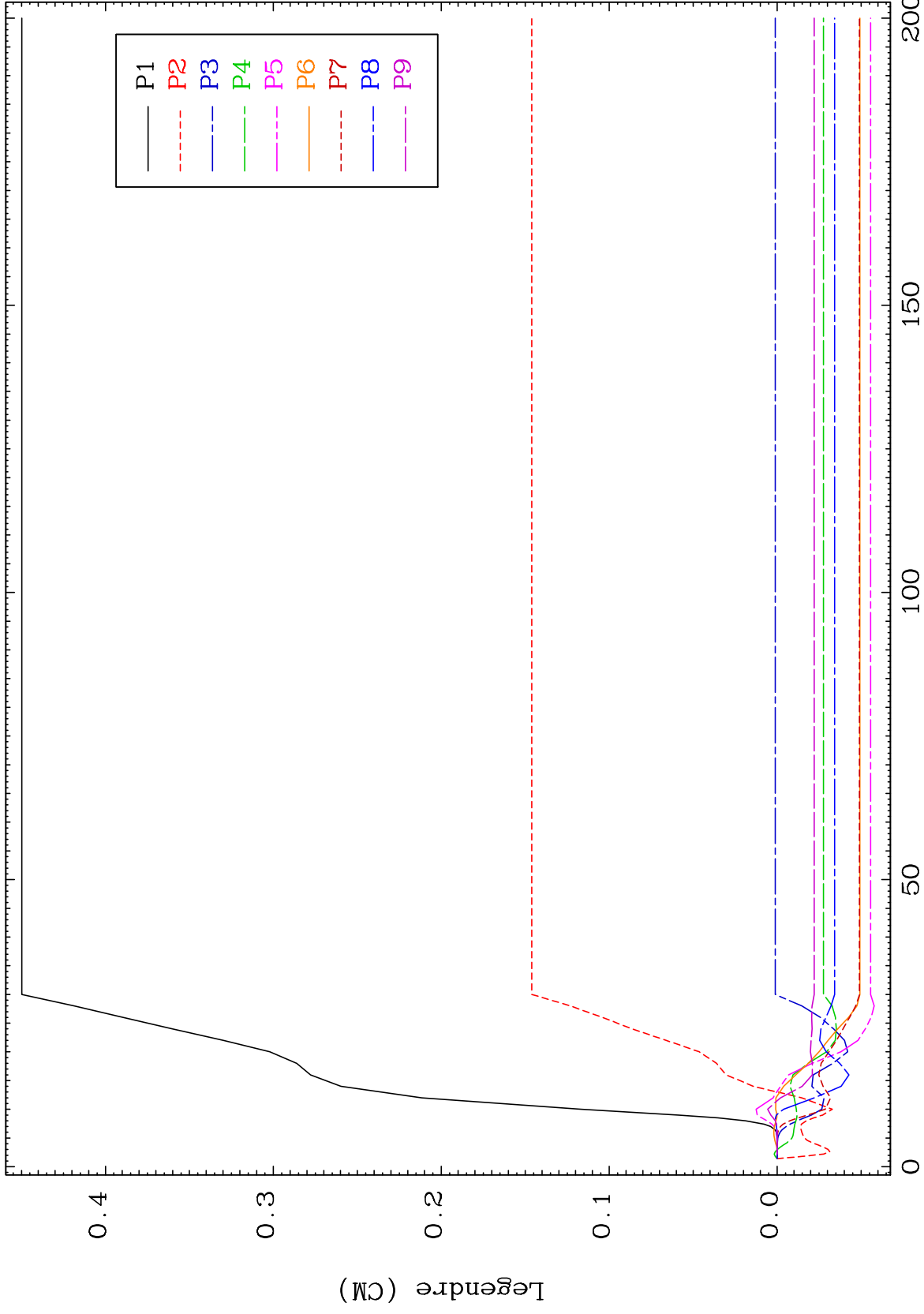
Incident Energy (MeV)

53-I -133





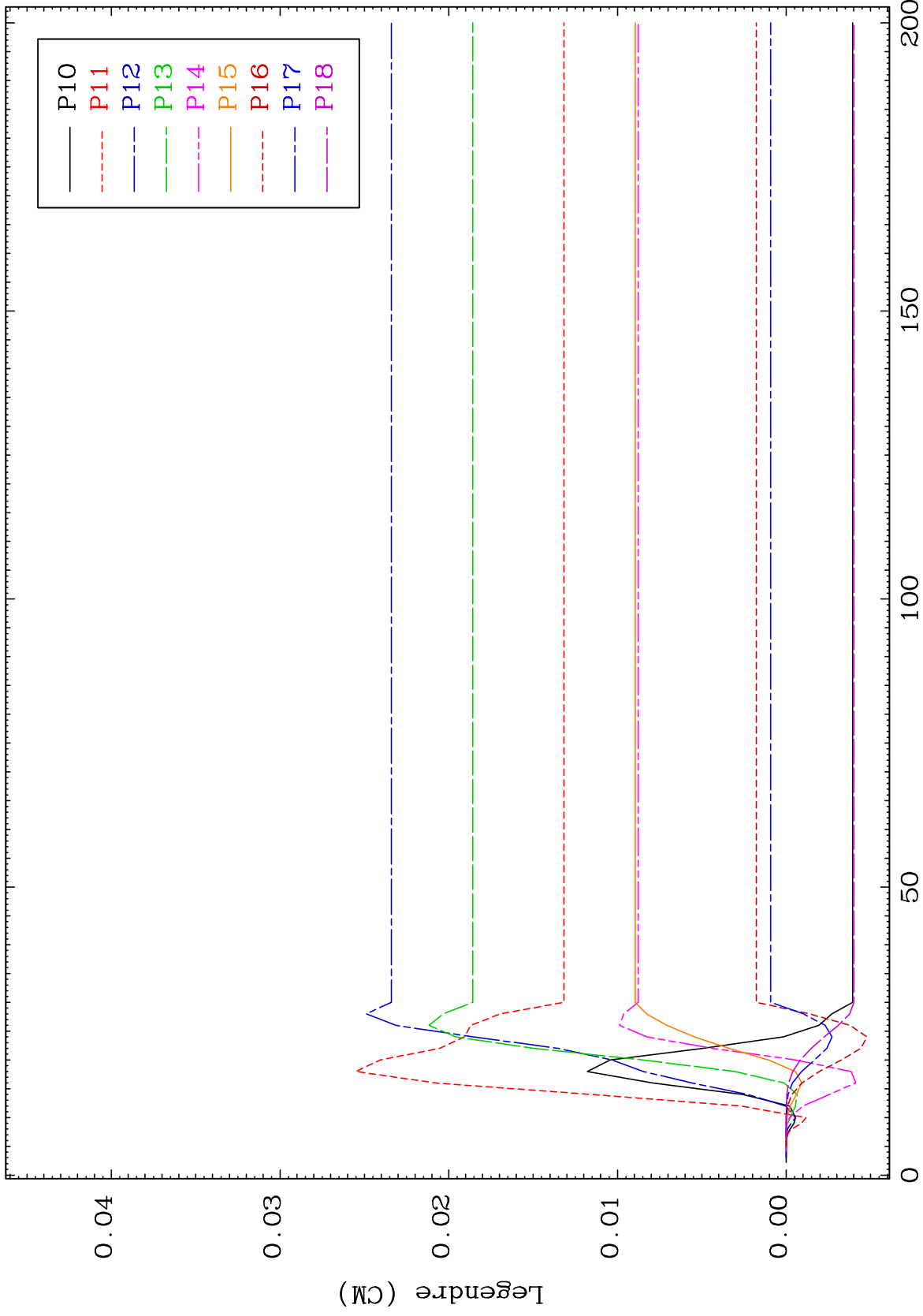




MAT 5343

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

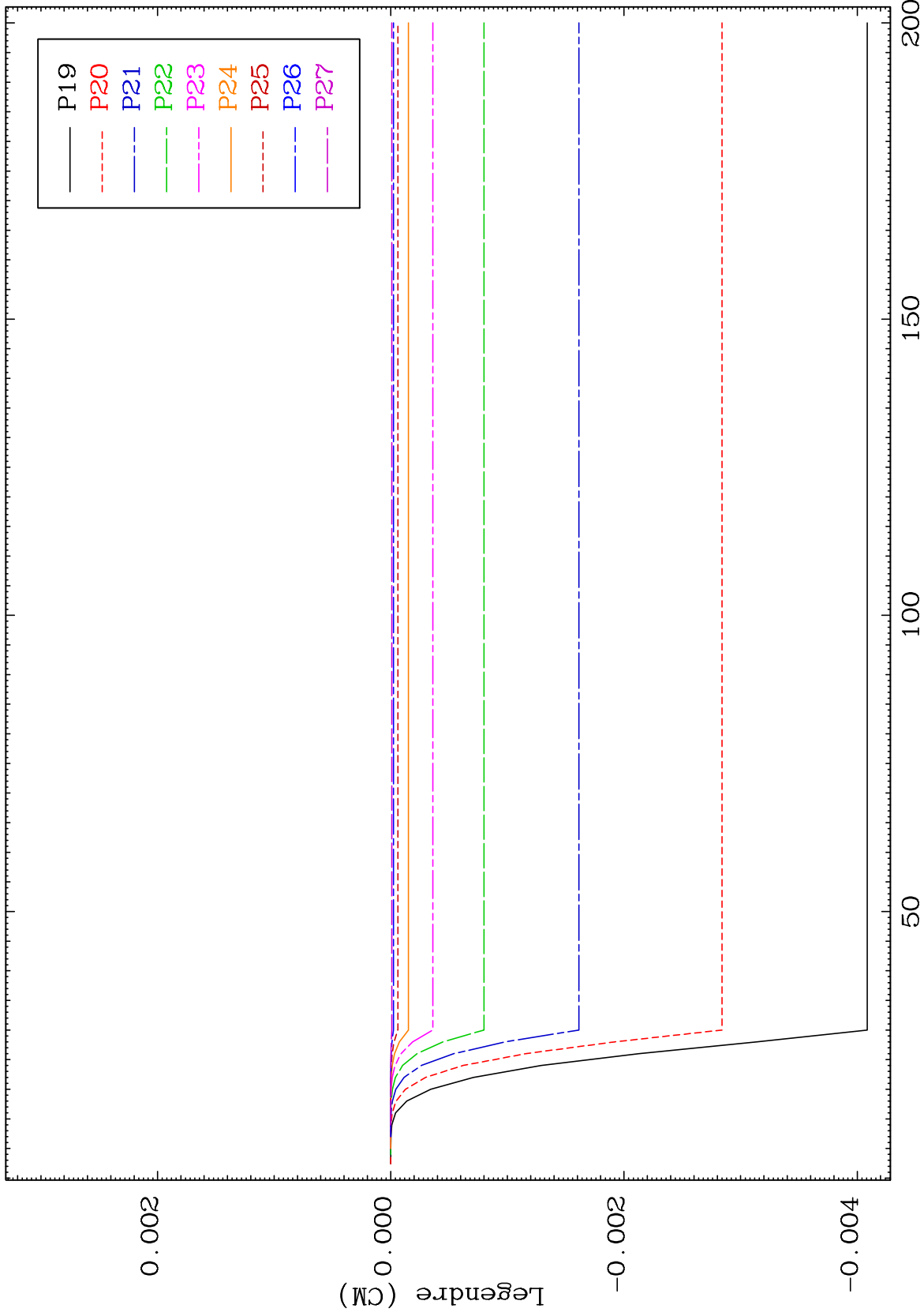
53-I -133



58

Incident Energy (MeV)

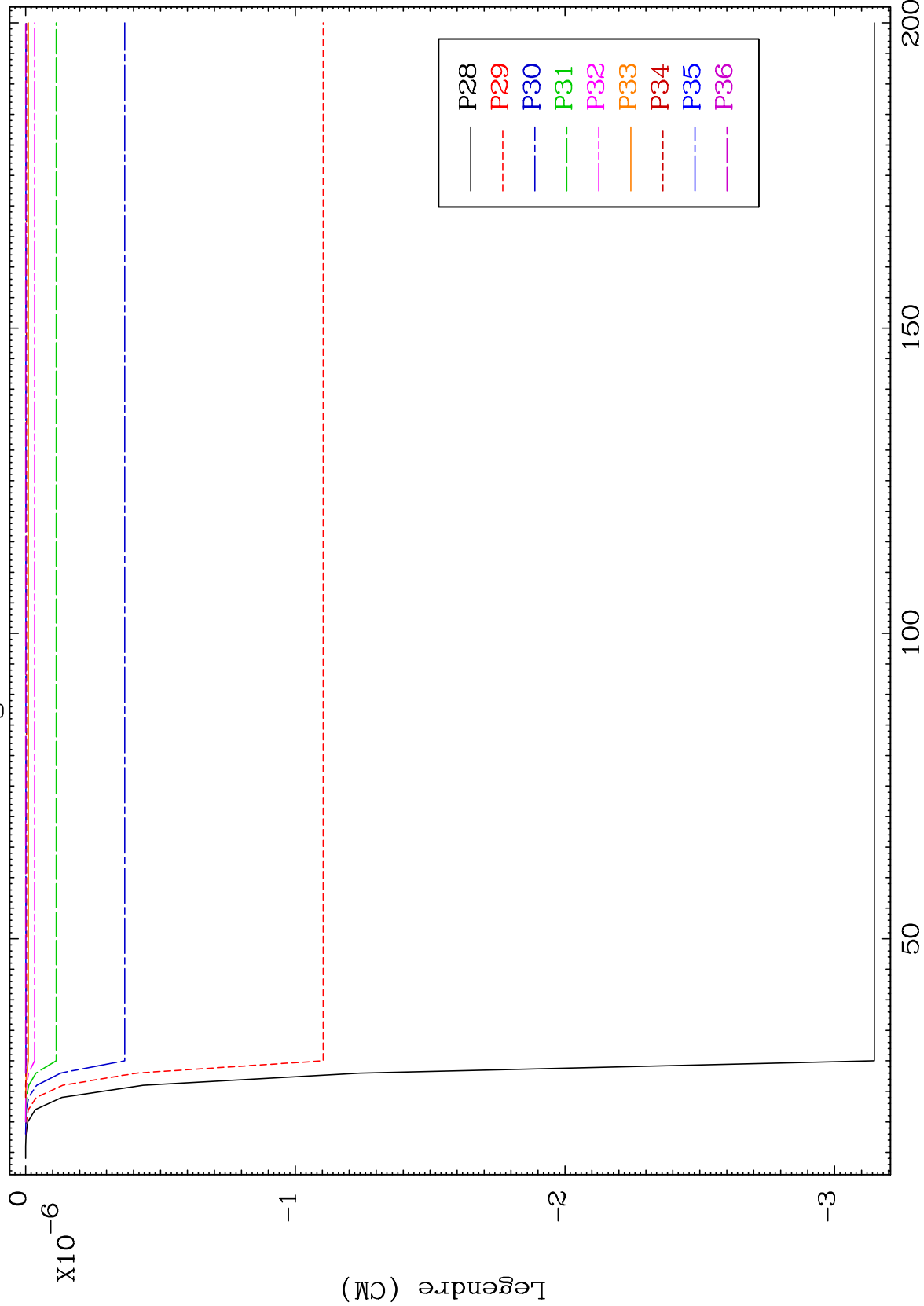
53-I -133



MAT 5343

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

53-I -133



60

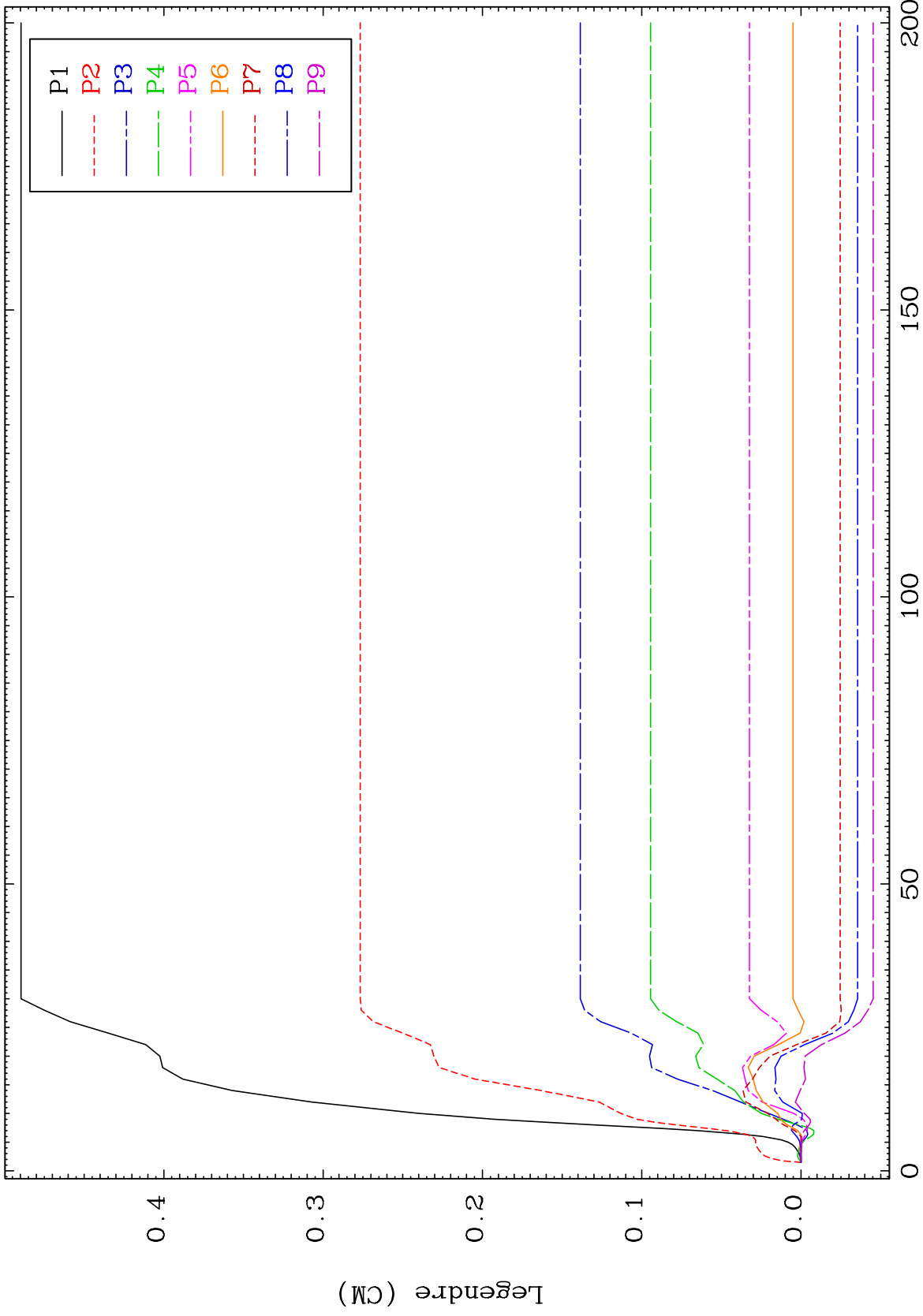
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



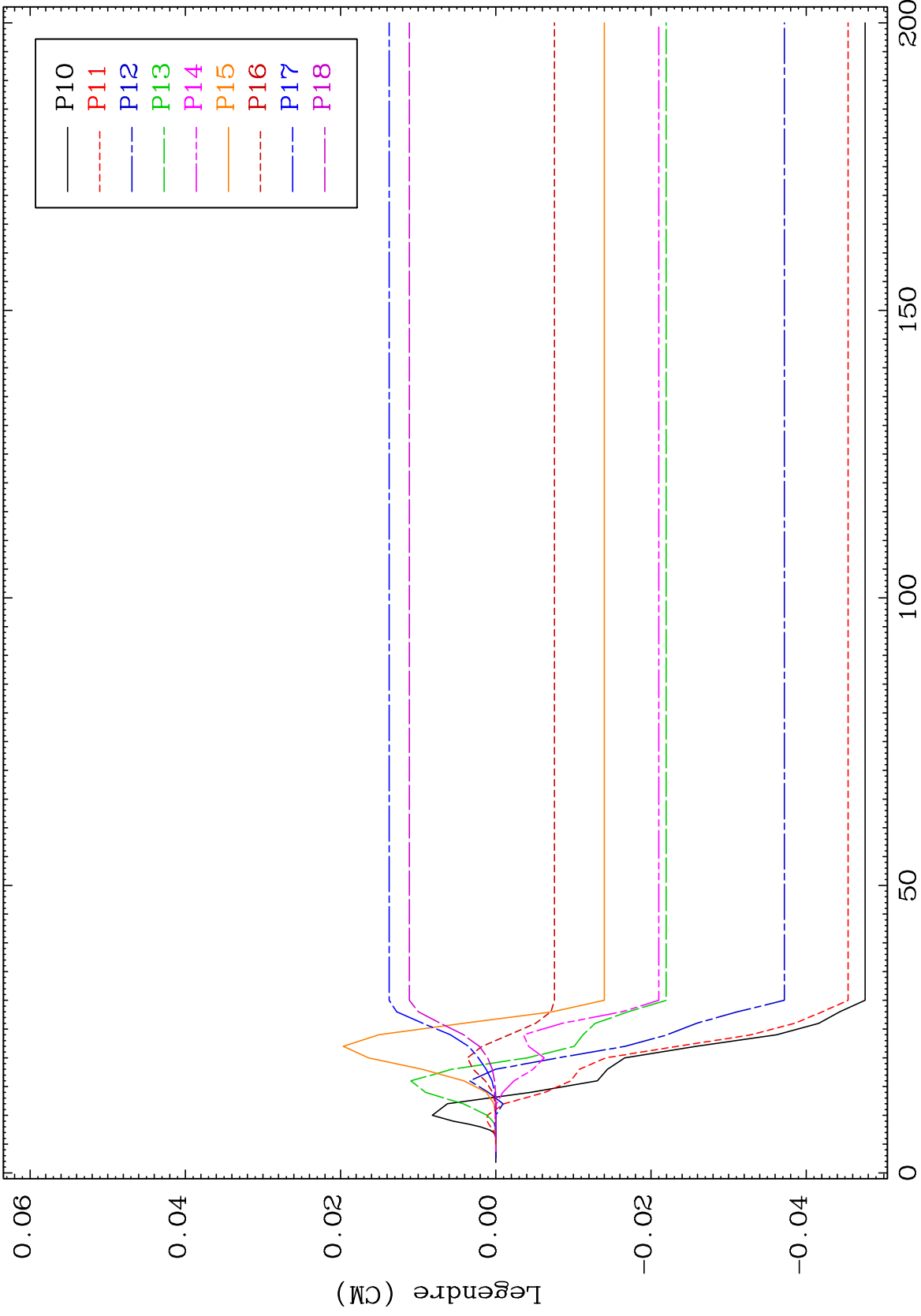
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53-I -133

MAT 5343

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

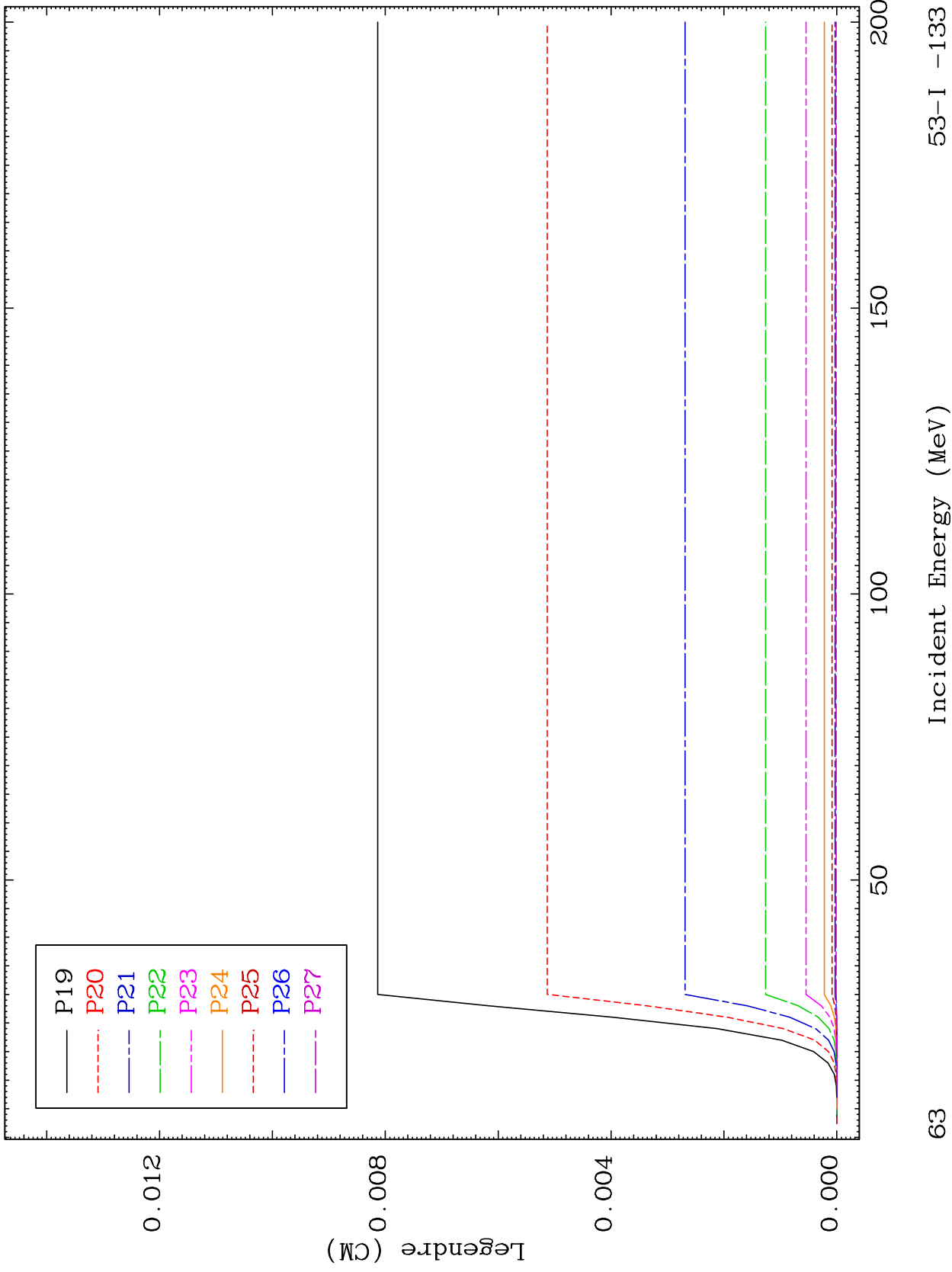
53-I -133



62

Incident Energy (MeV)

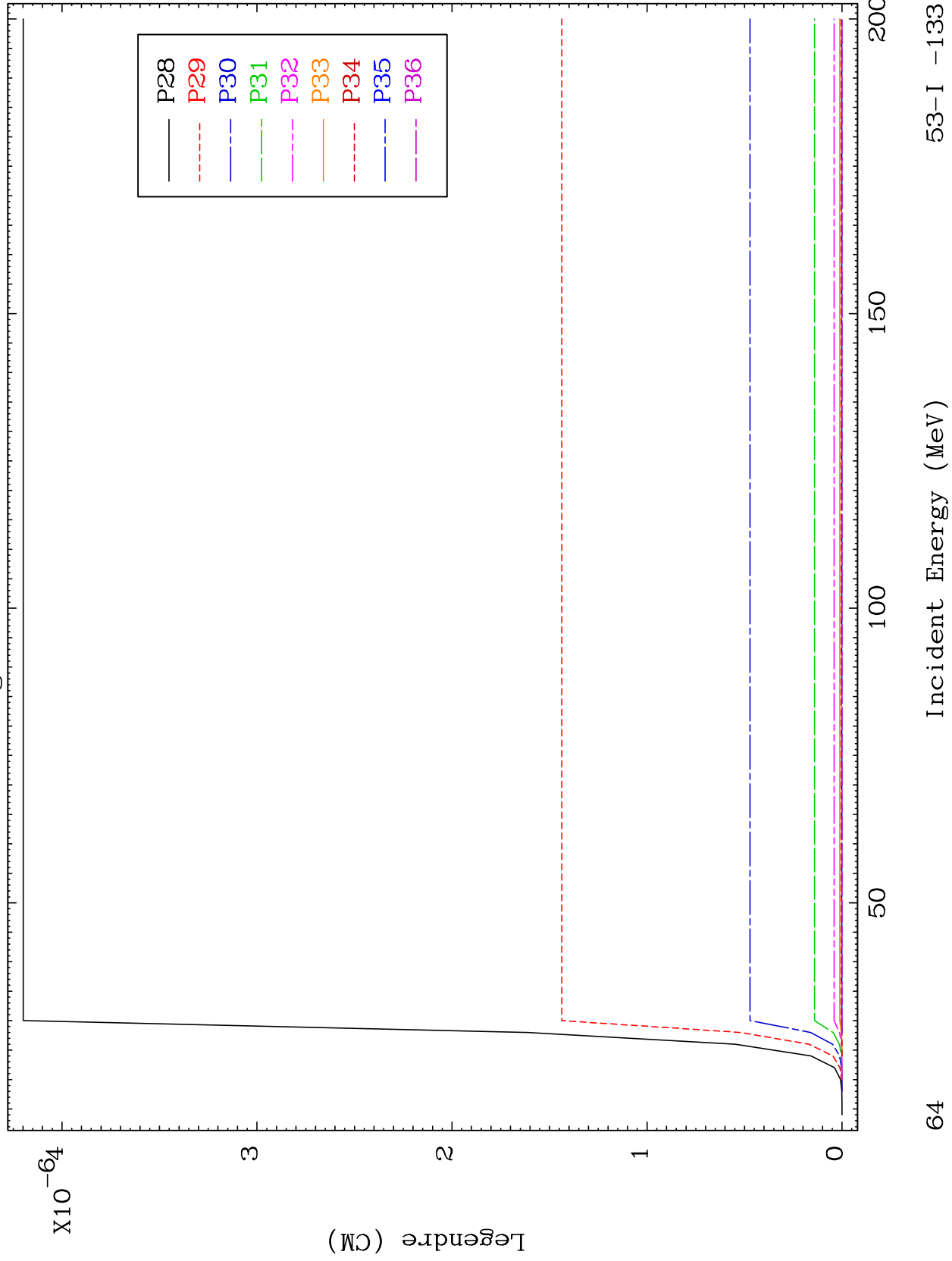
53-I -133

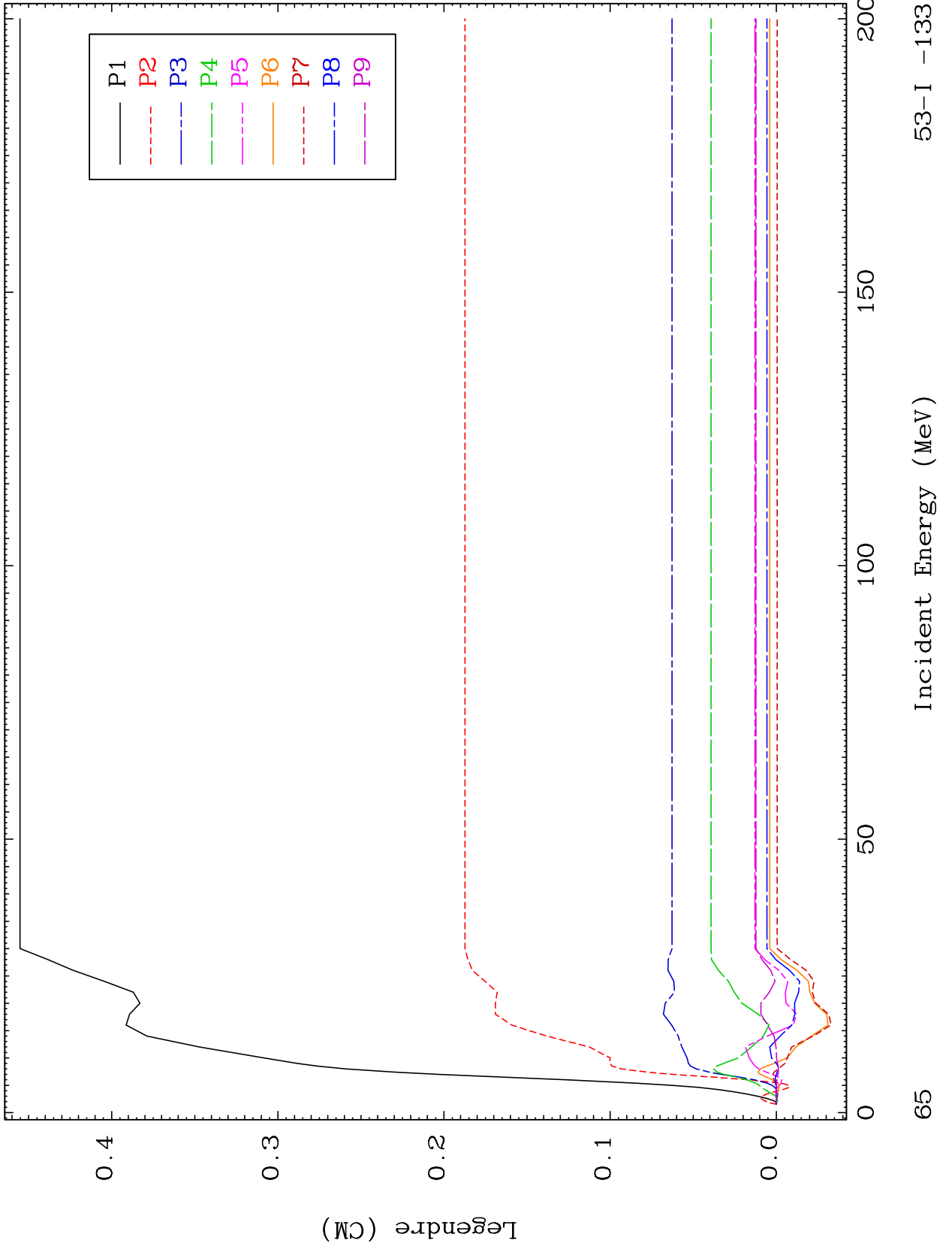


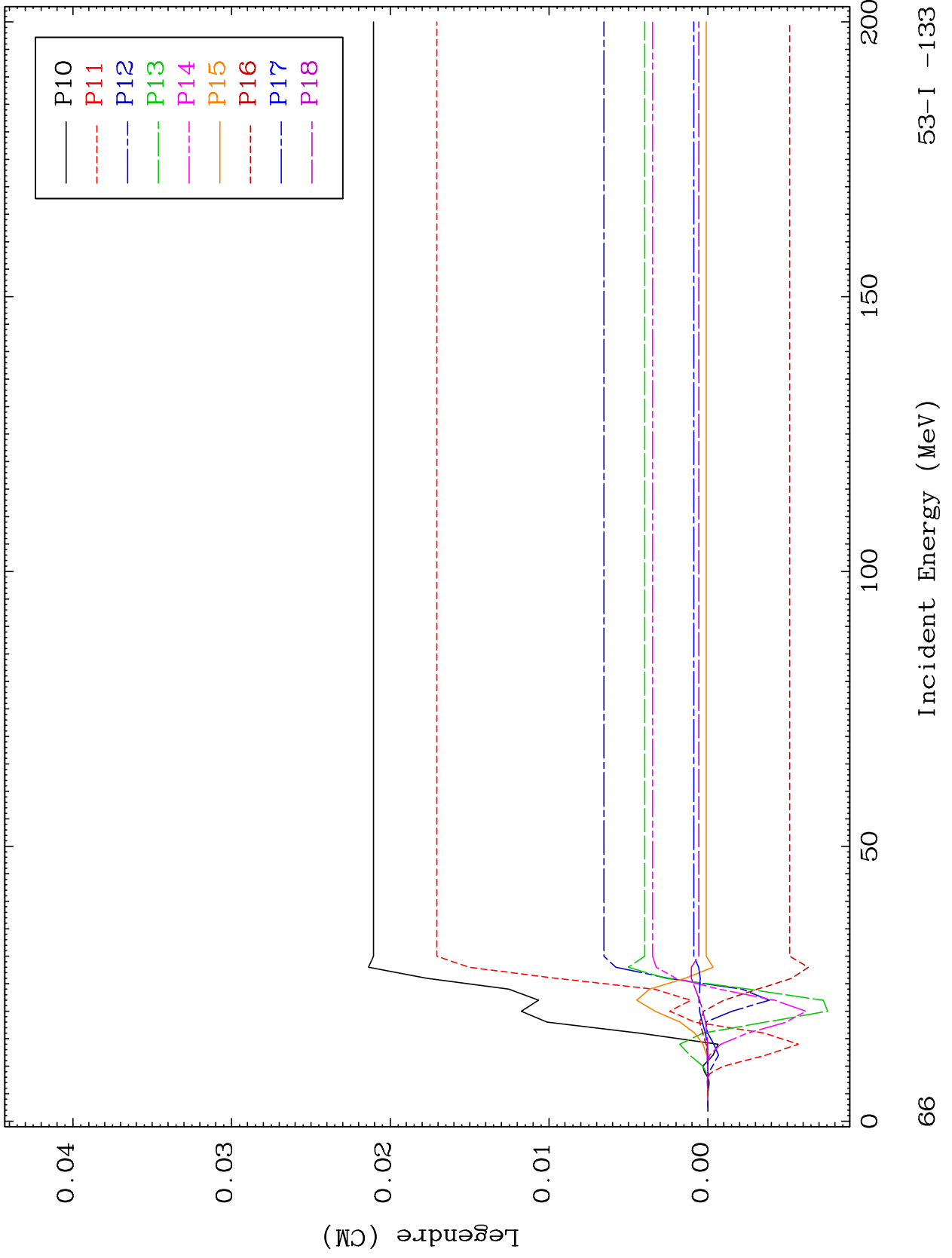
MAT 5343

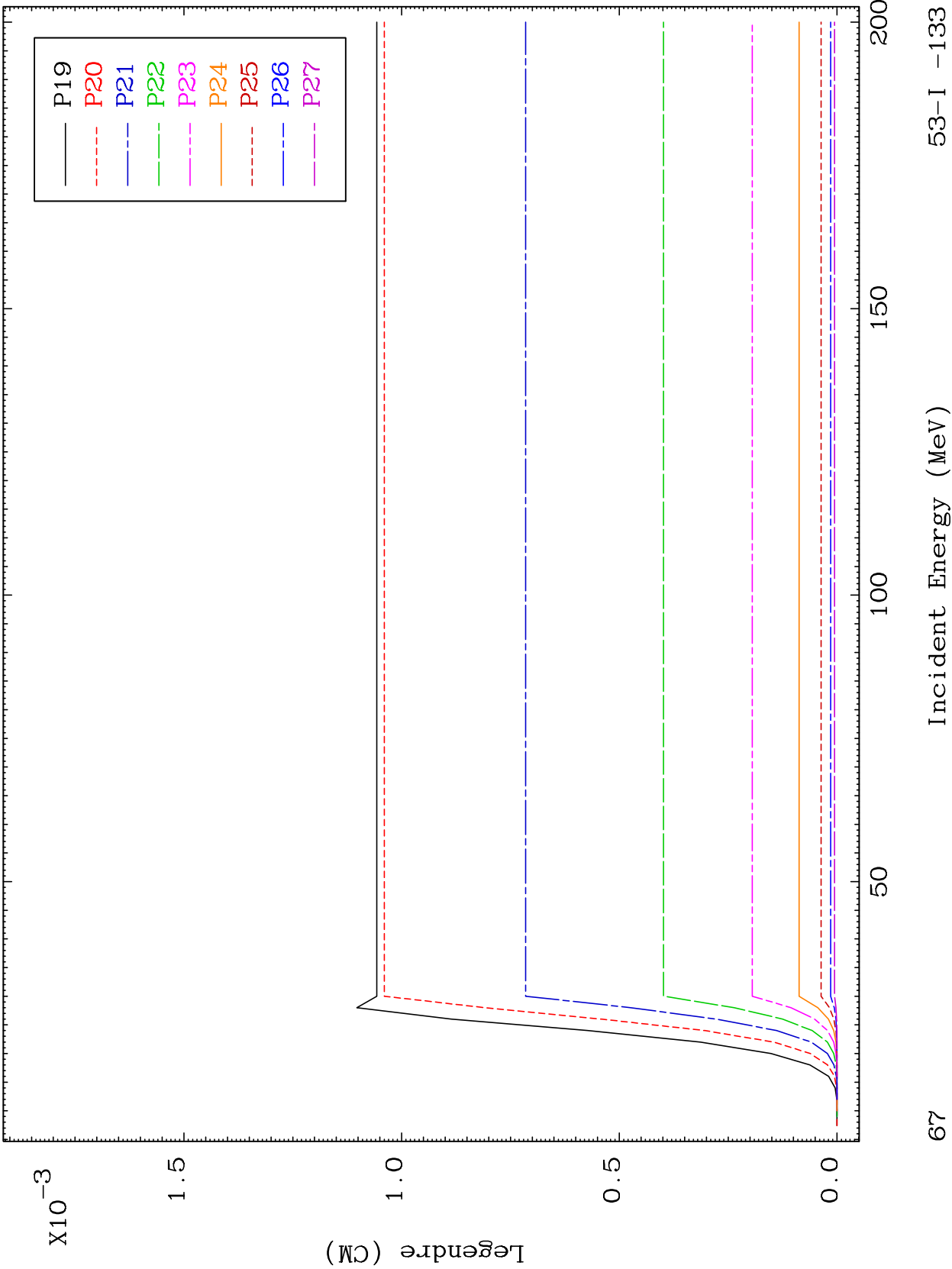
MT= 61 (n,n') Level
Legendre Coefficients

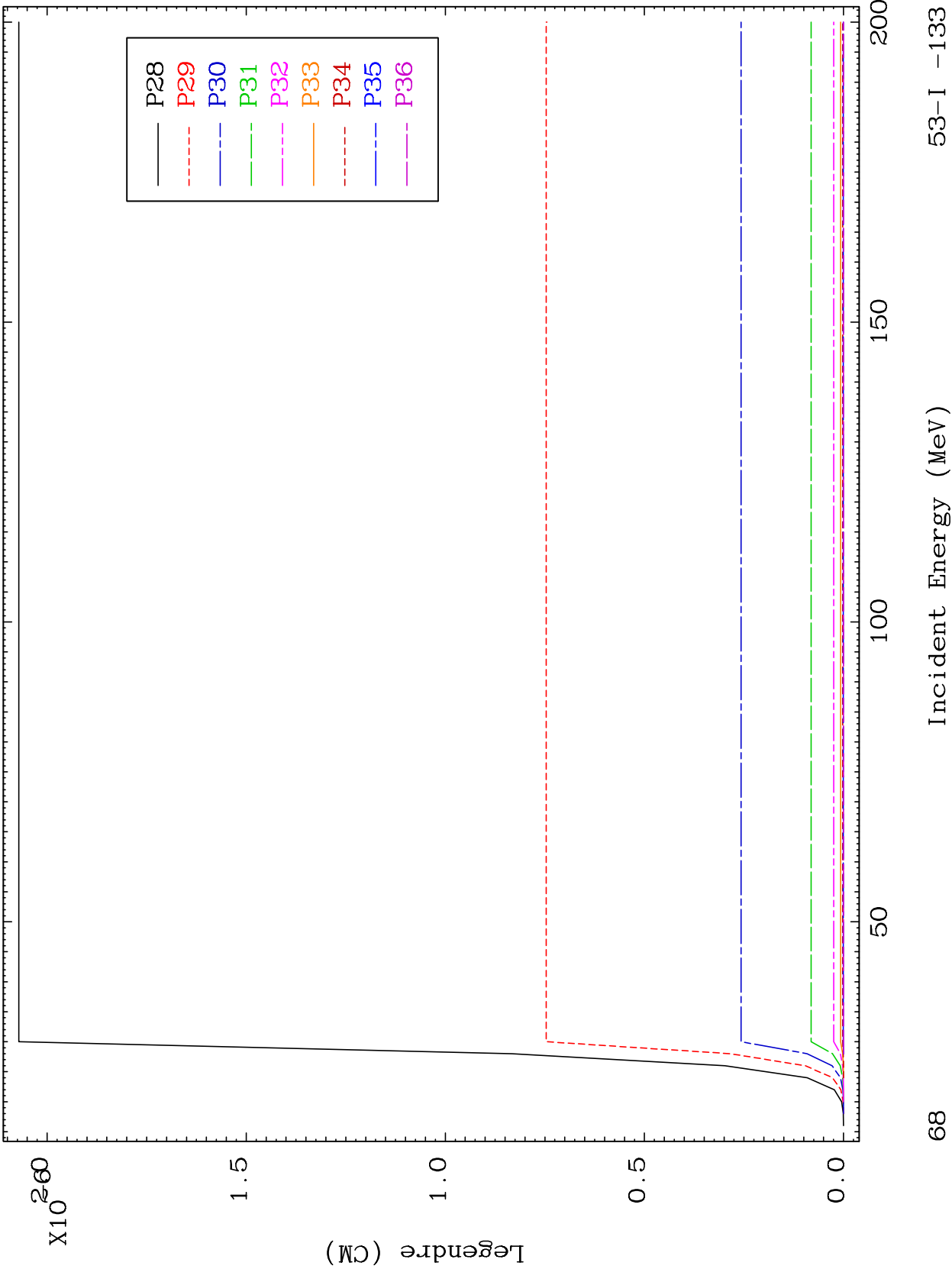
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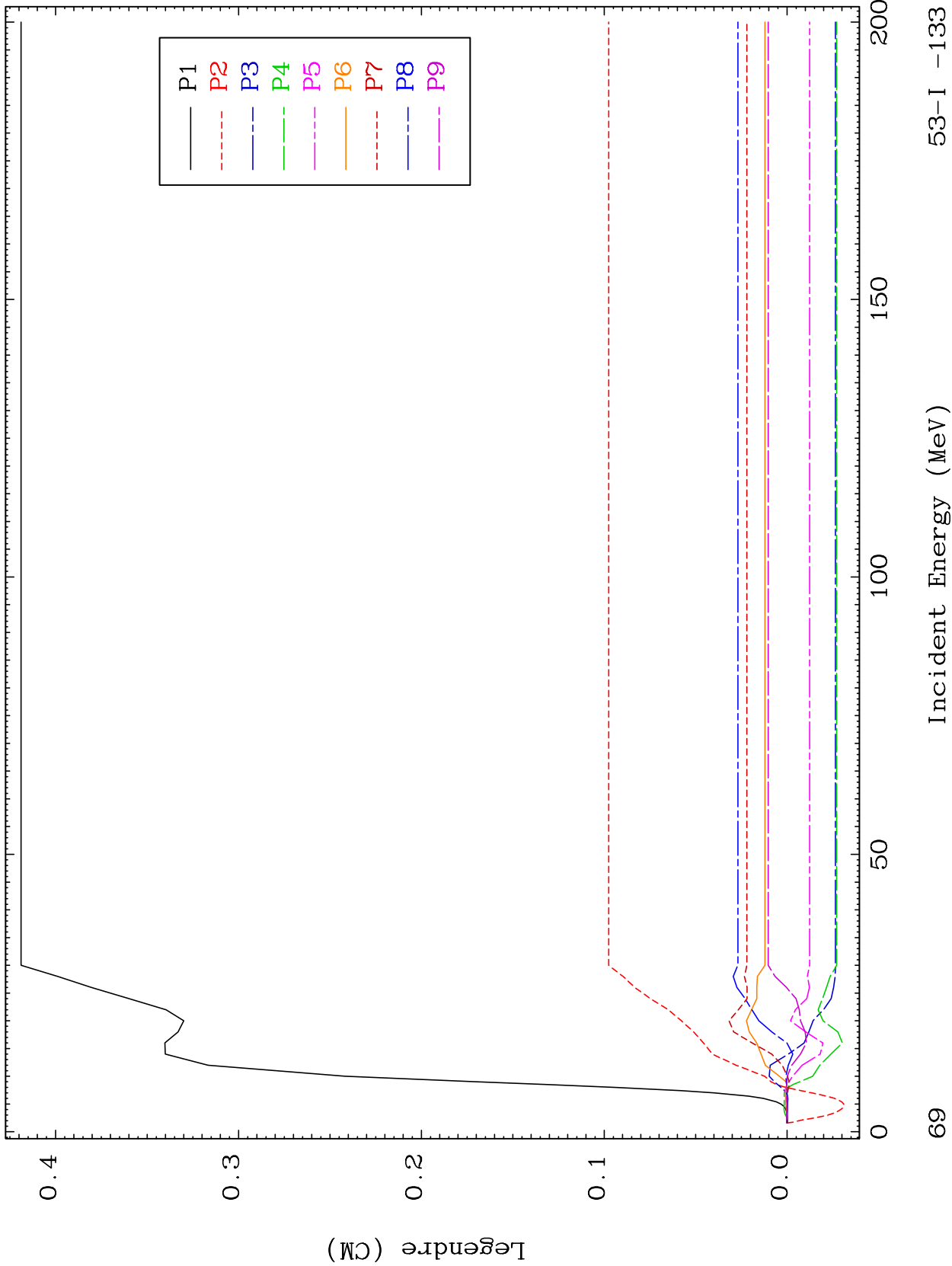








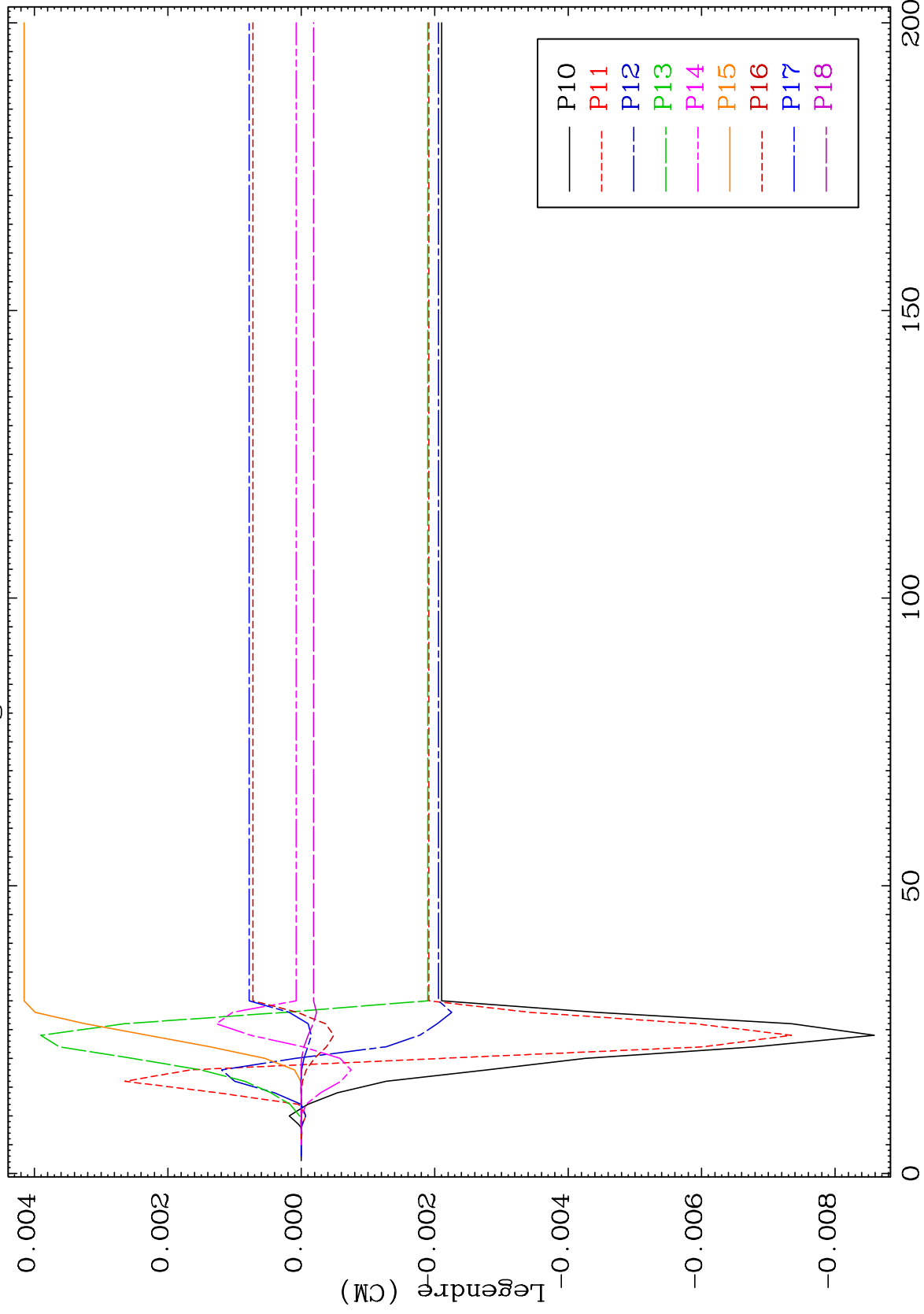




MAT 5343

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

53-I -133



70

Incident Energy (MeV)

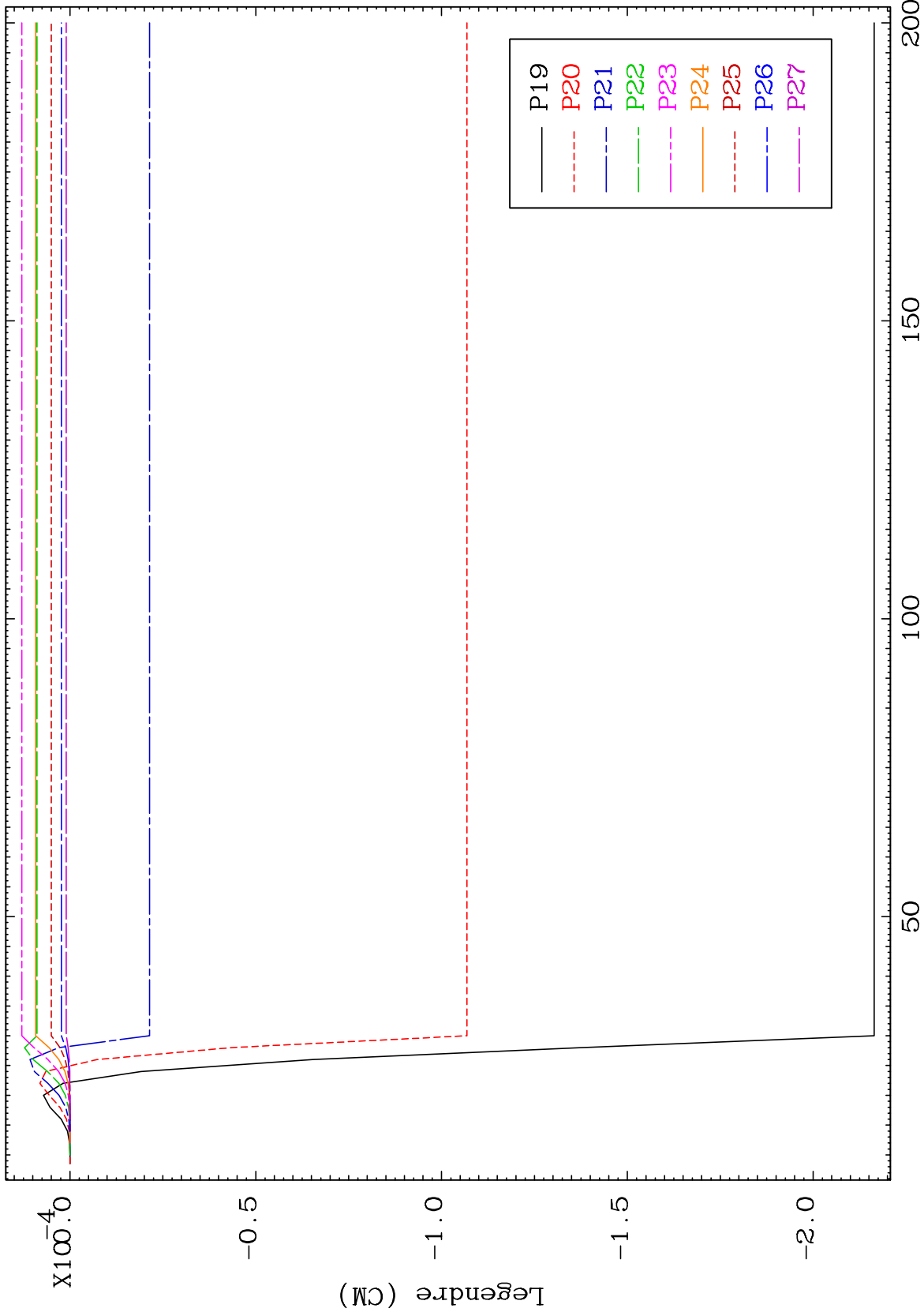
53-I -133

MAT 5343

MT= 63 (n,n') Level

53-I -133

Legendre Coefficients



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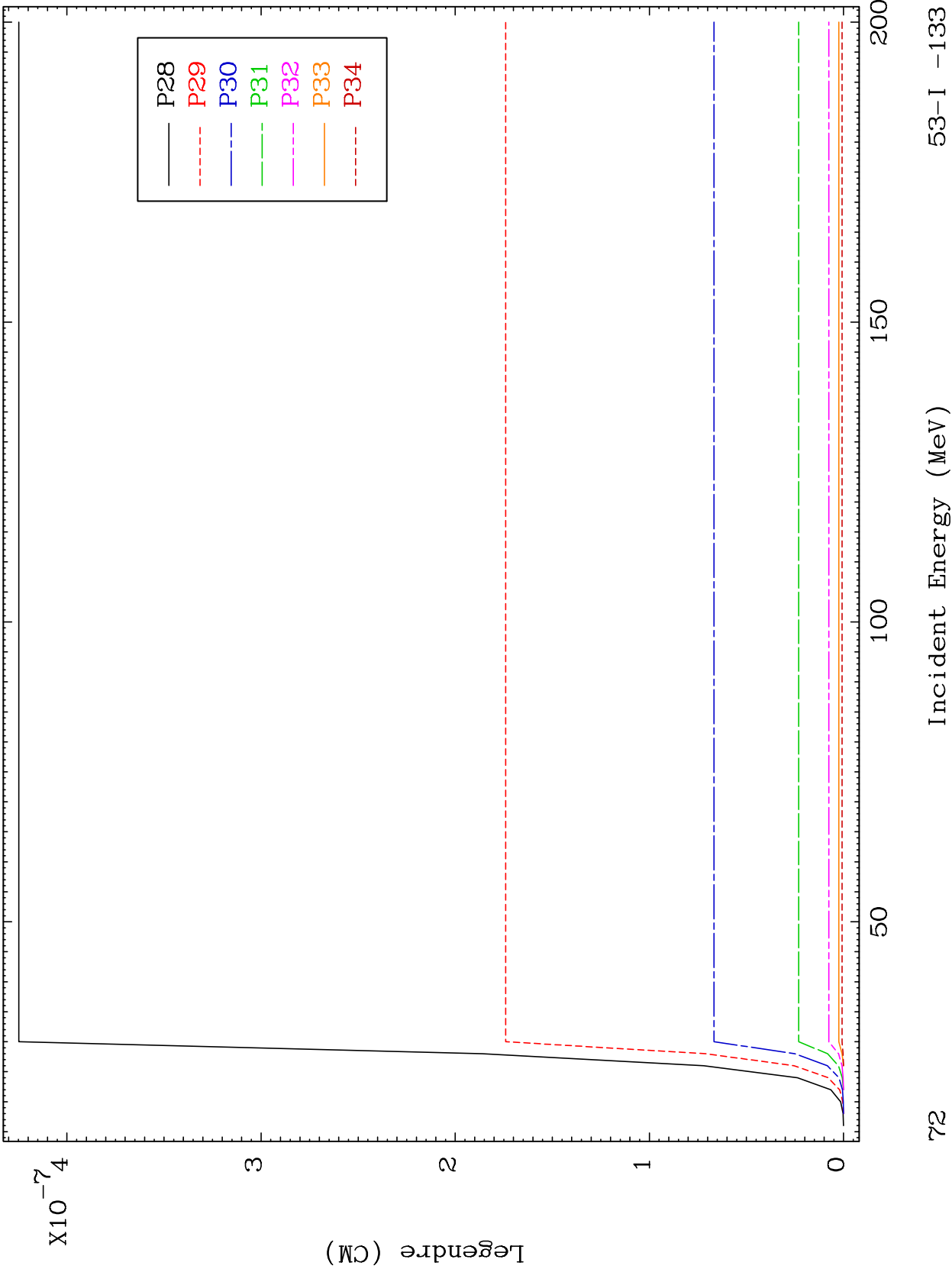
Incident Energy (MeV)

53-I -133

MAT 5343

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

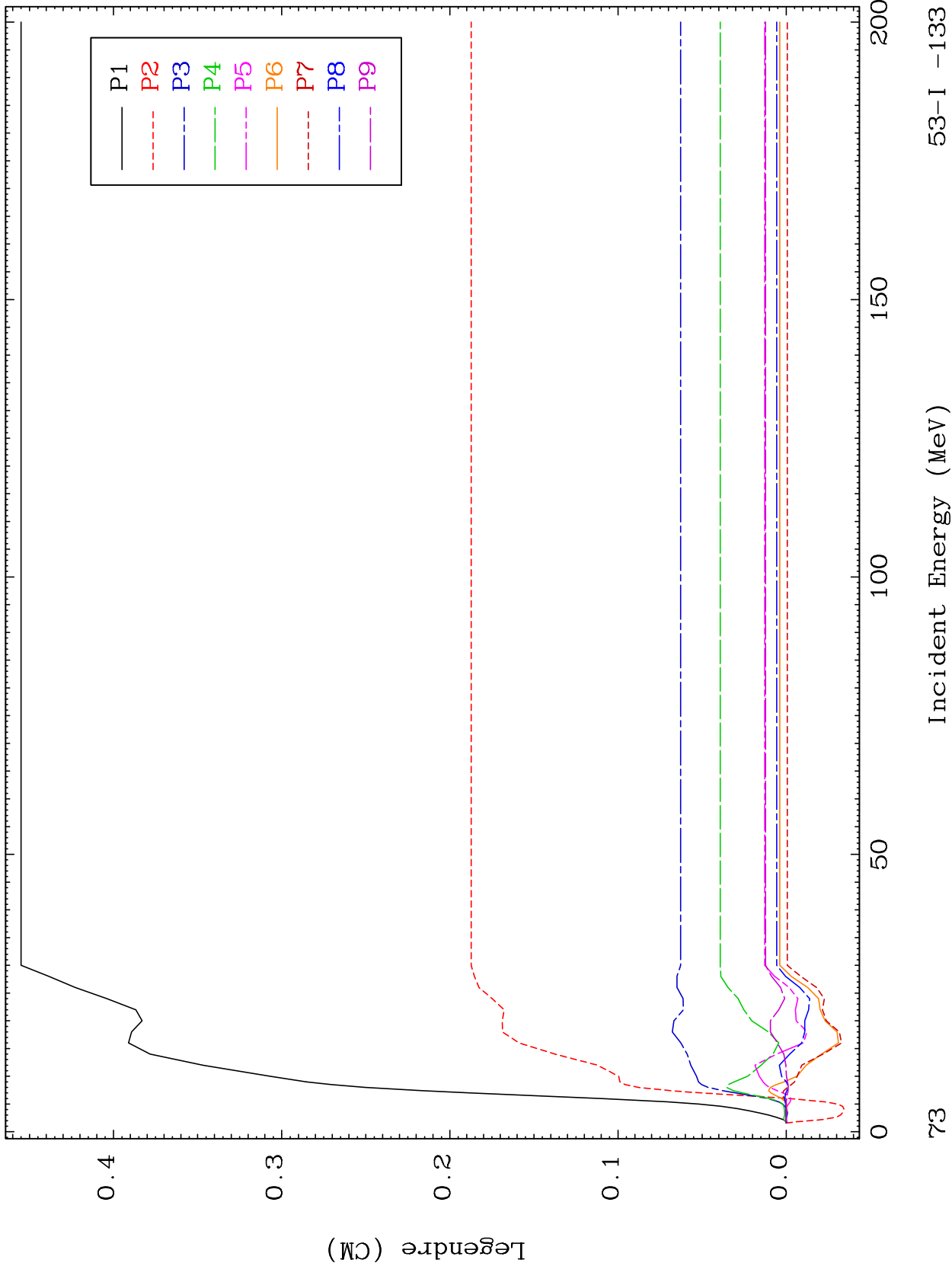
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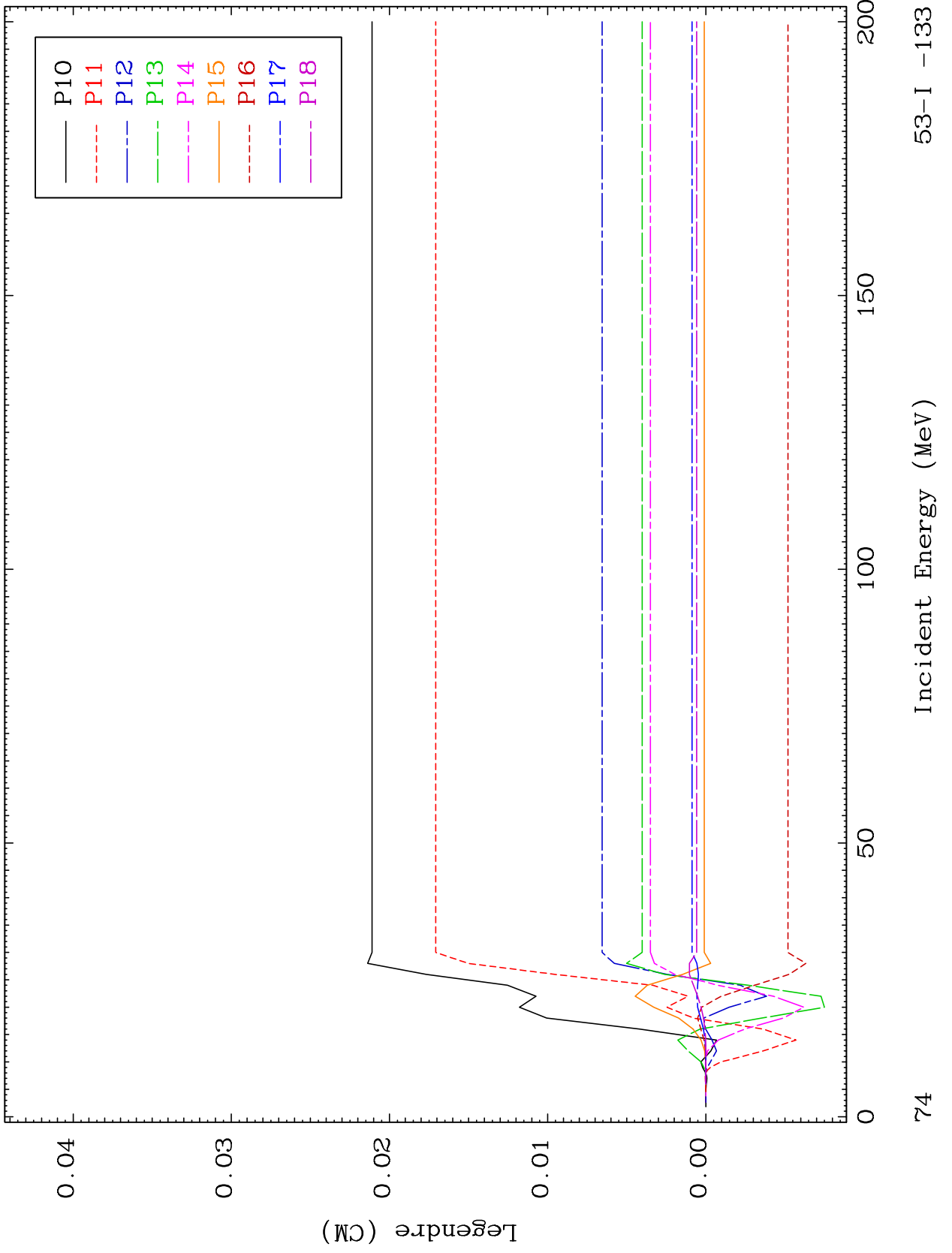


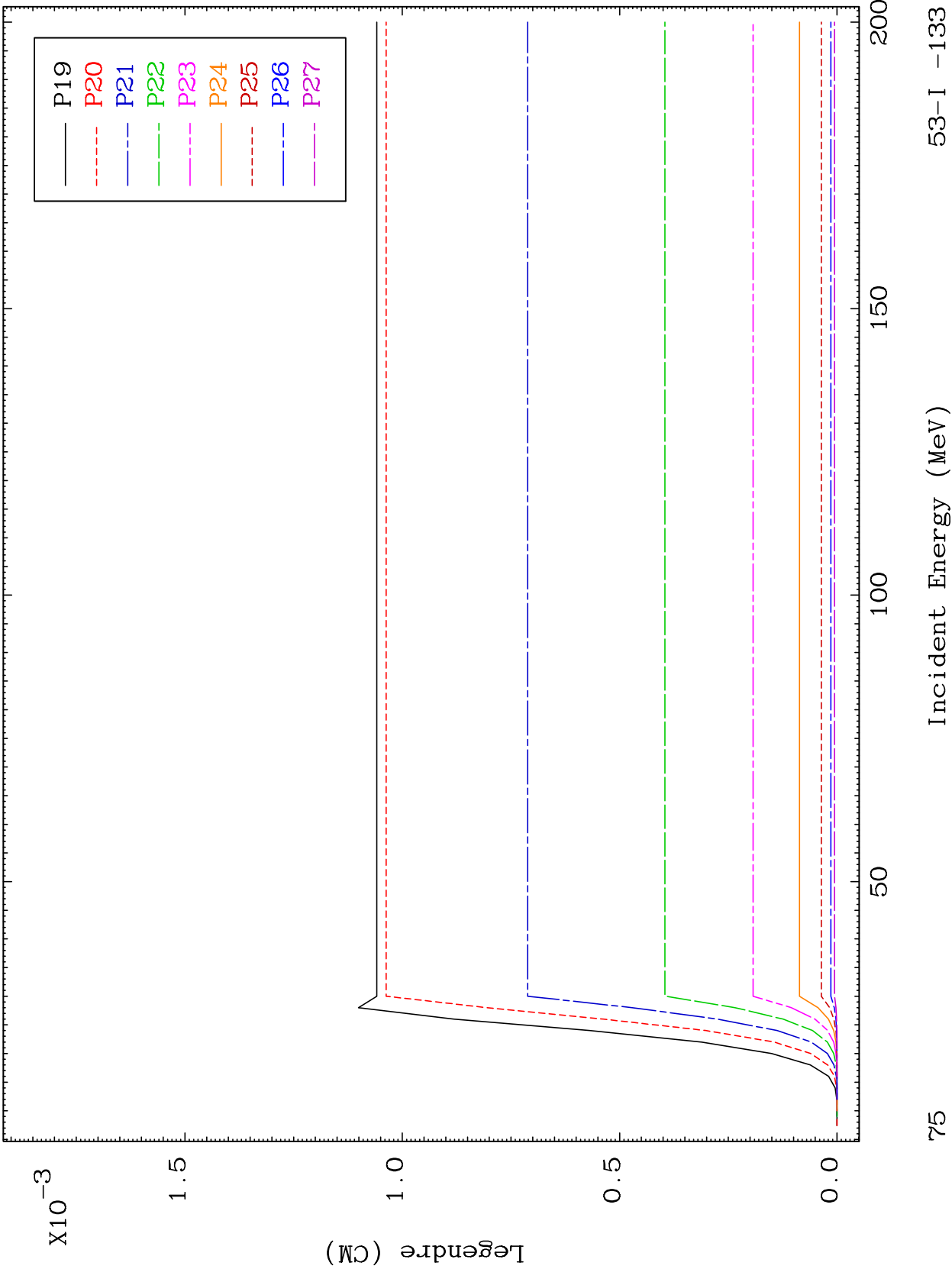
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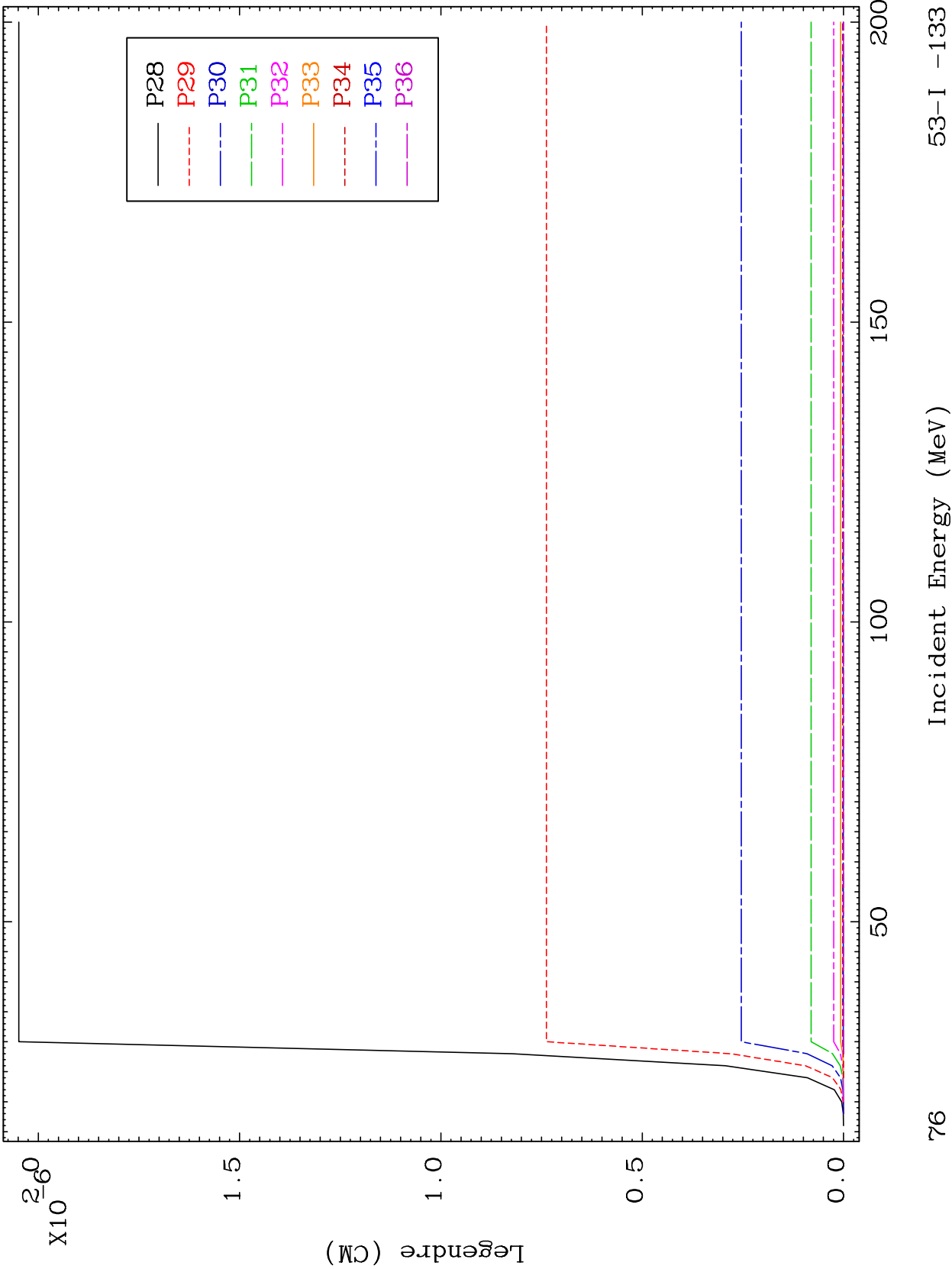
Incident Energy (MeV)

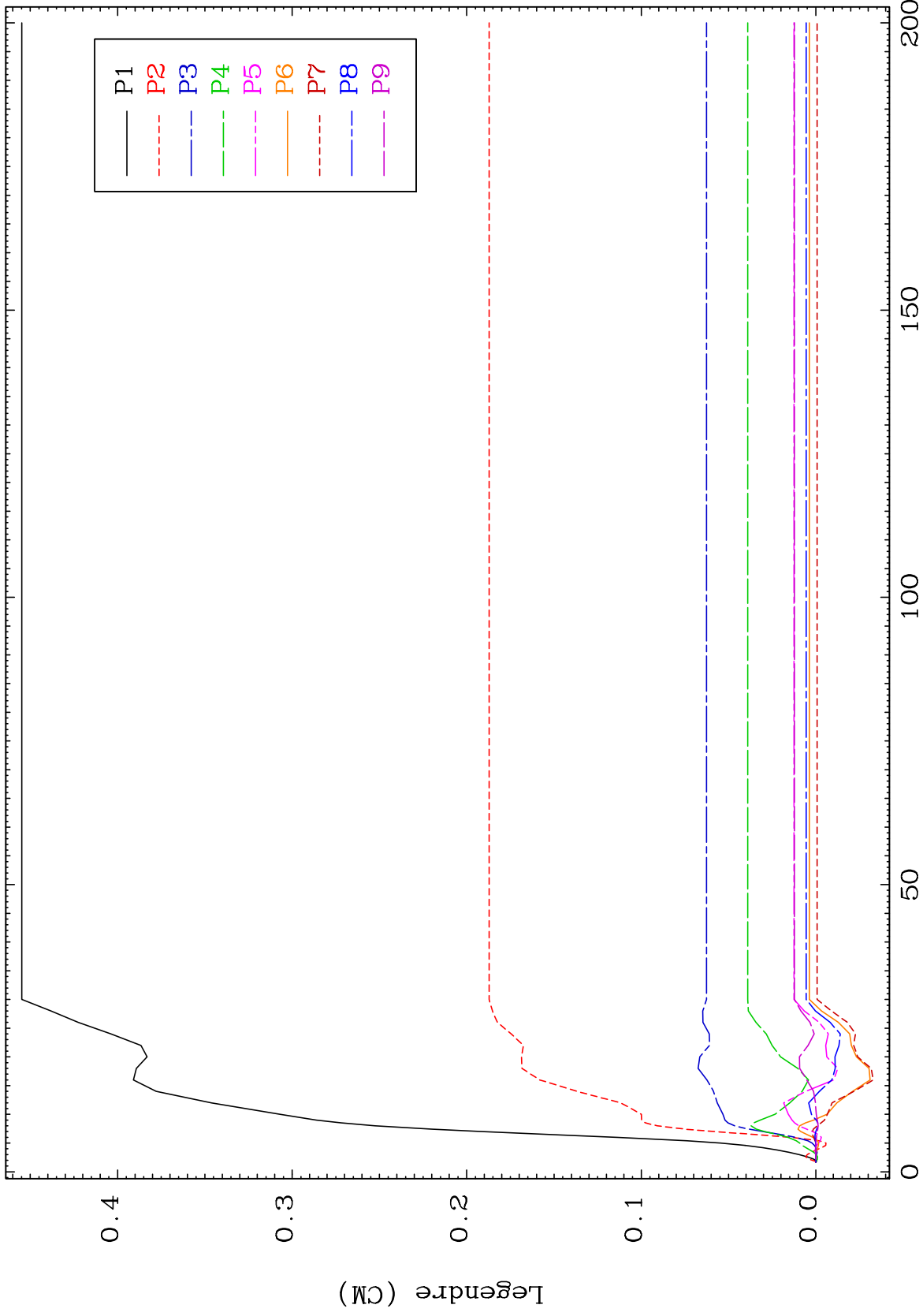
53-I -133







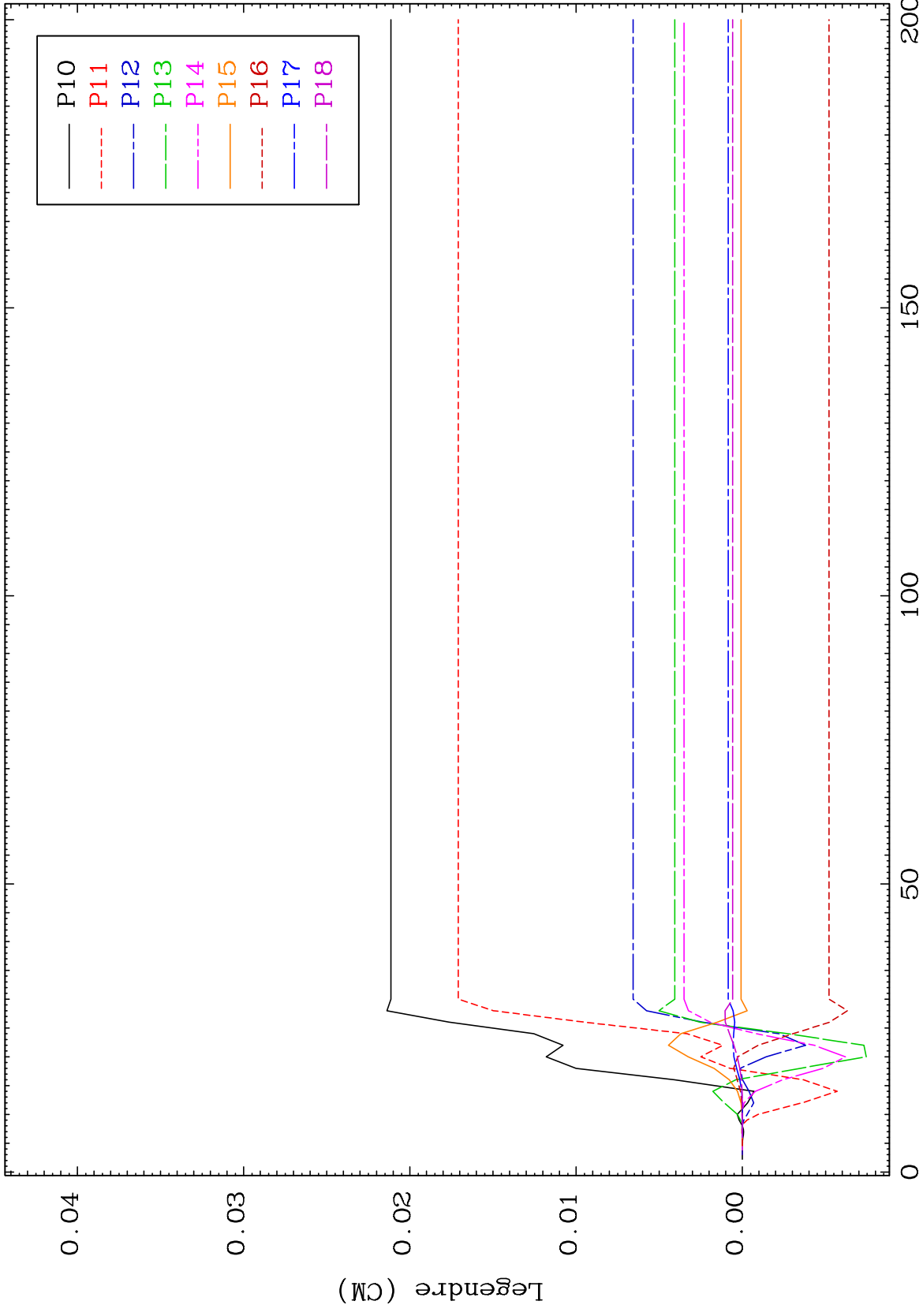




MAT 5343

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

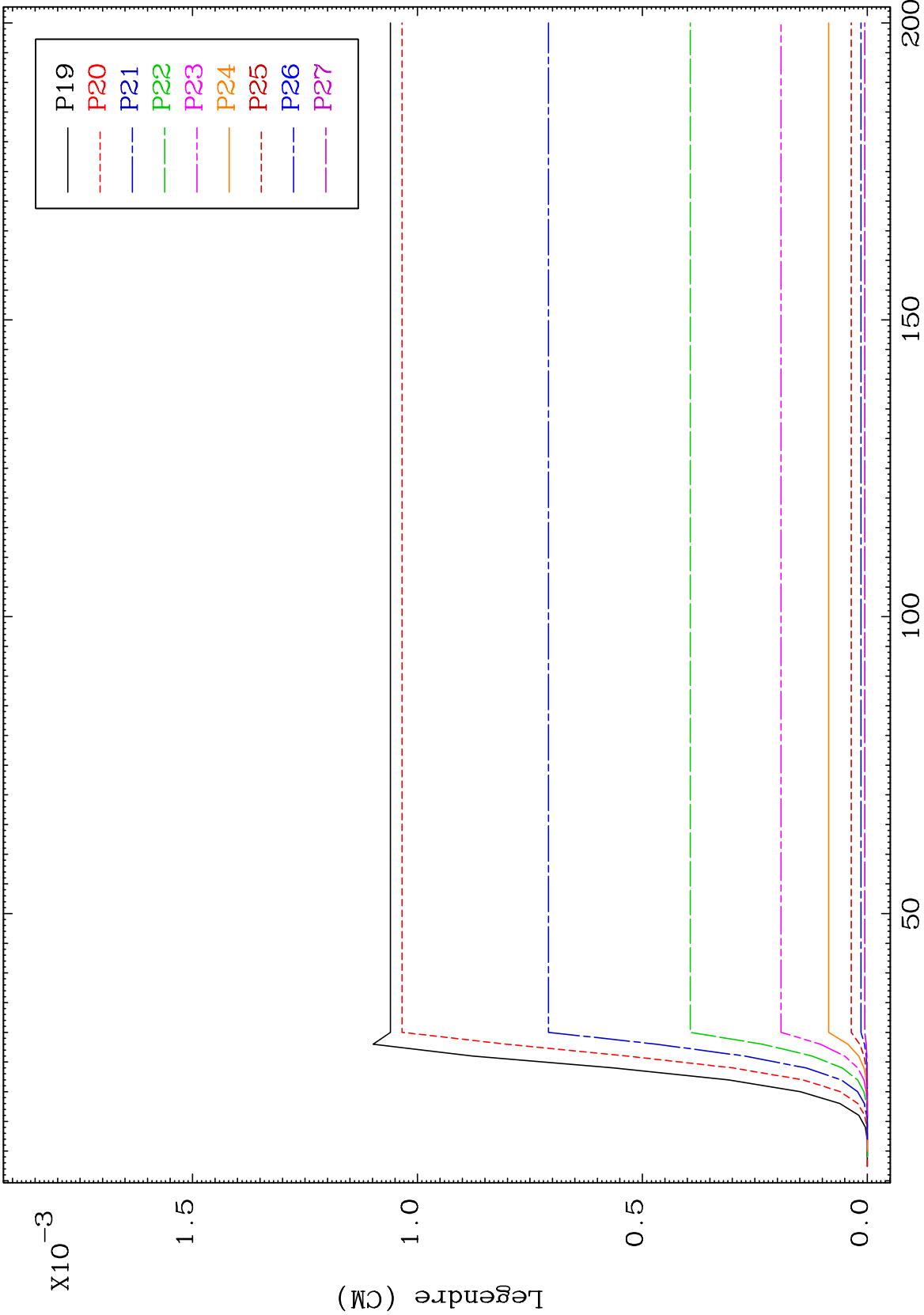
53-I -133



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Incident Energy (MeV)

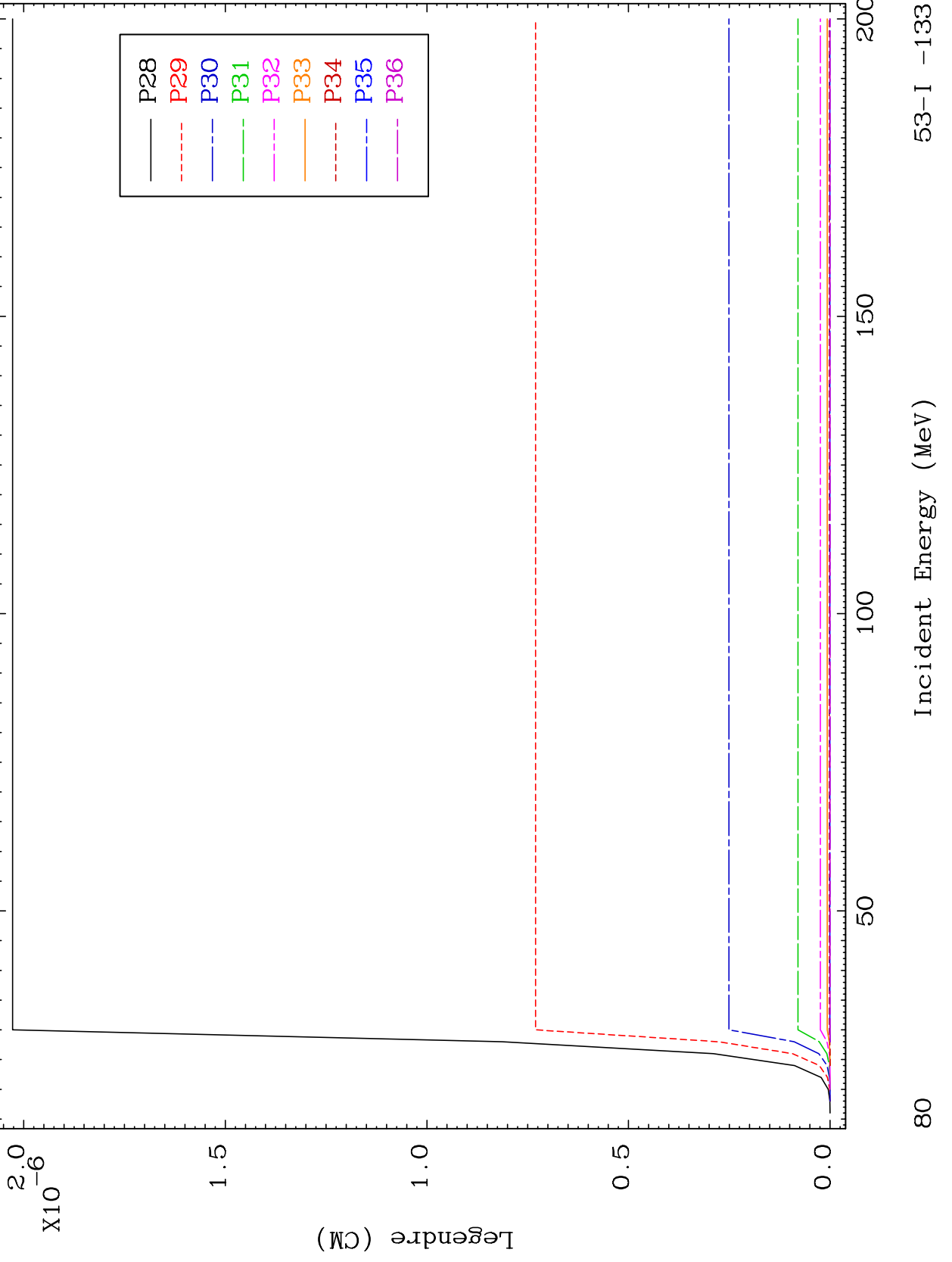
53-I -133



MAT 5343

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

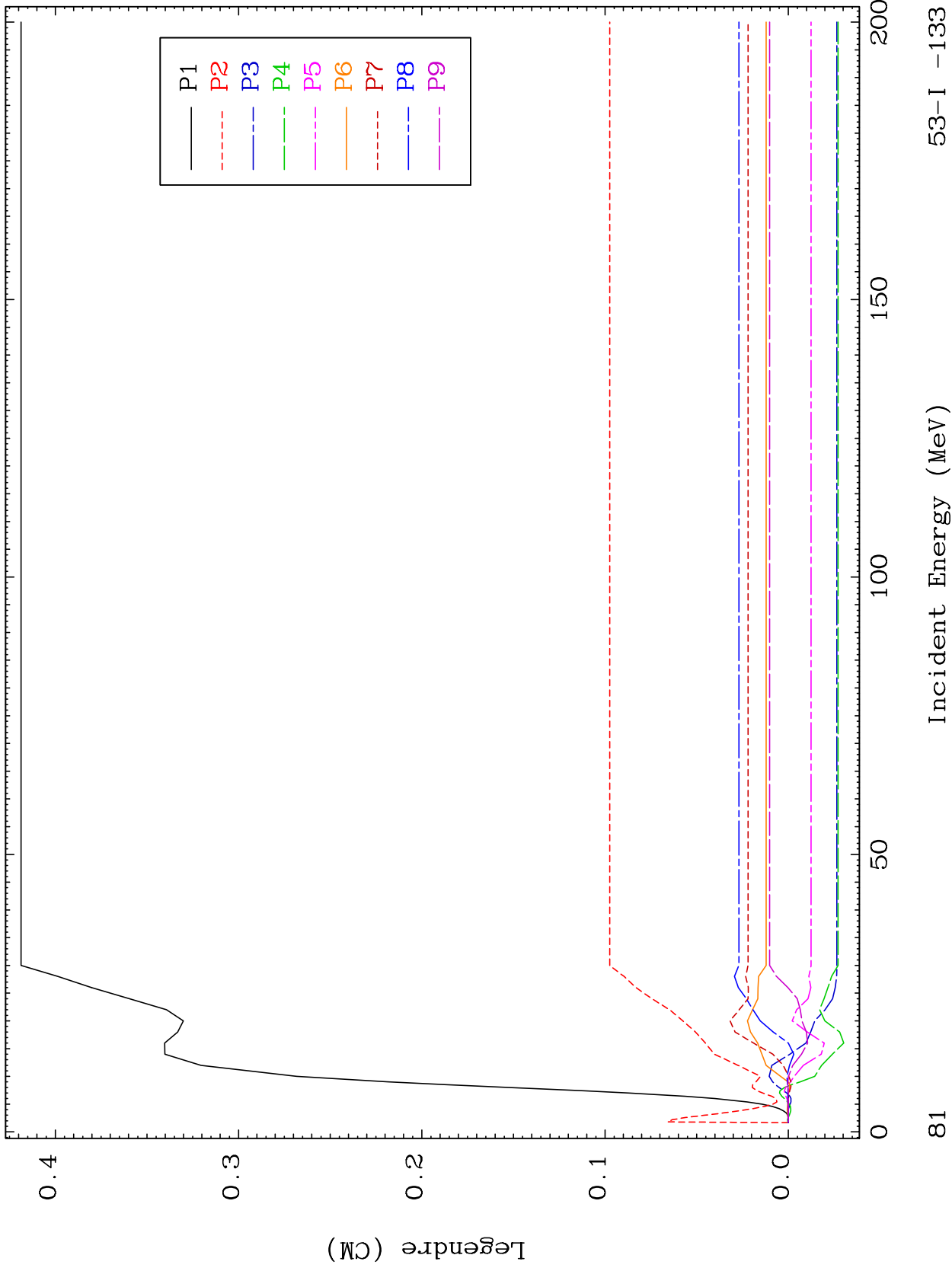
53-I -133

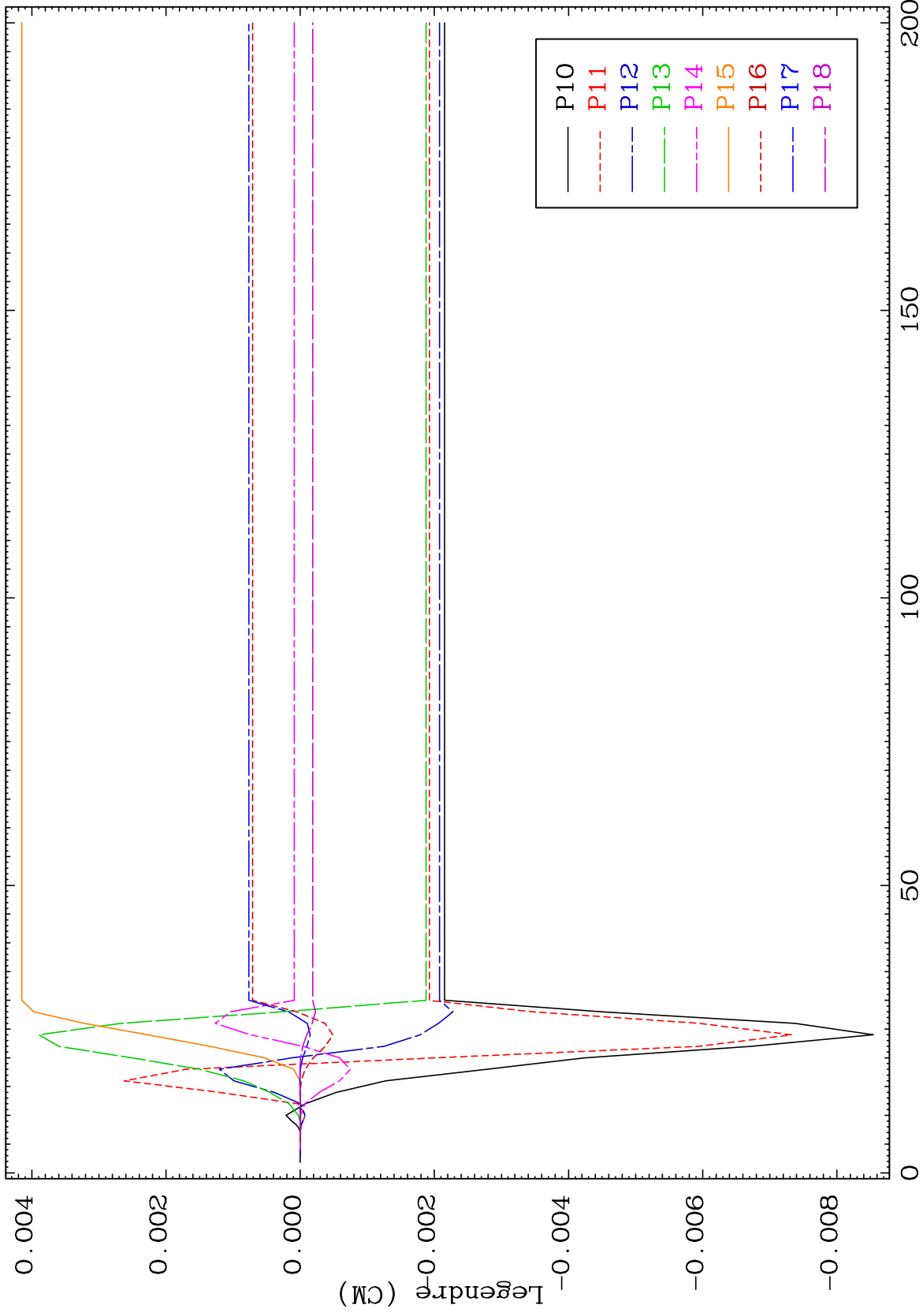


53-I -133

Incident Energy (MeV)

80

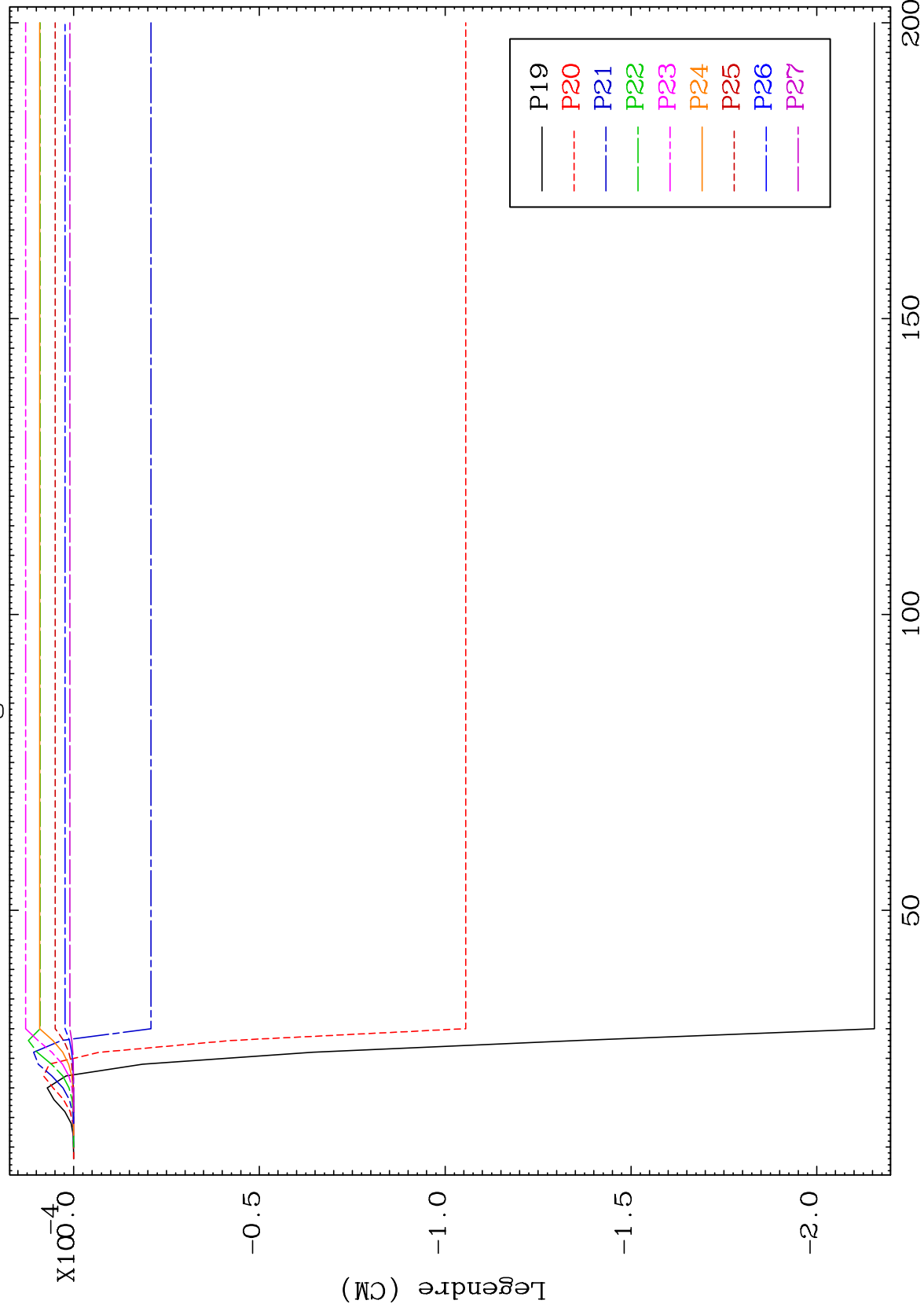




MAT 5343

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

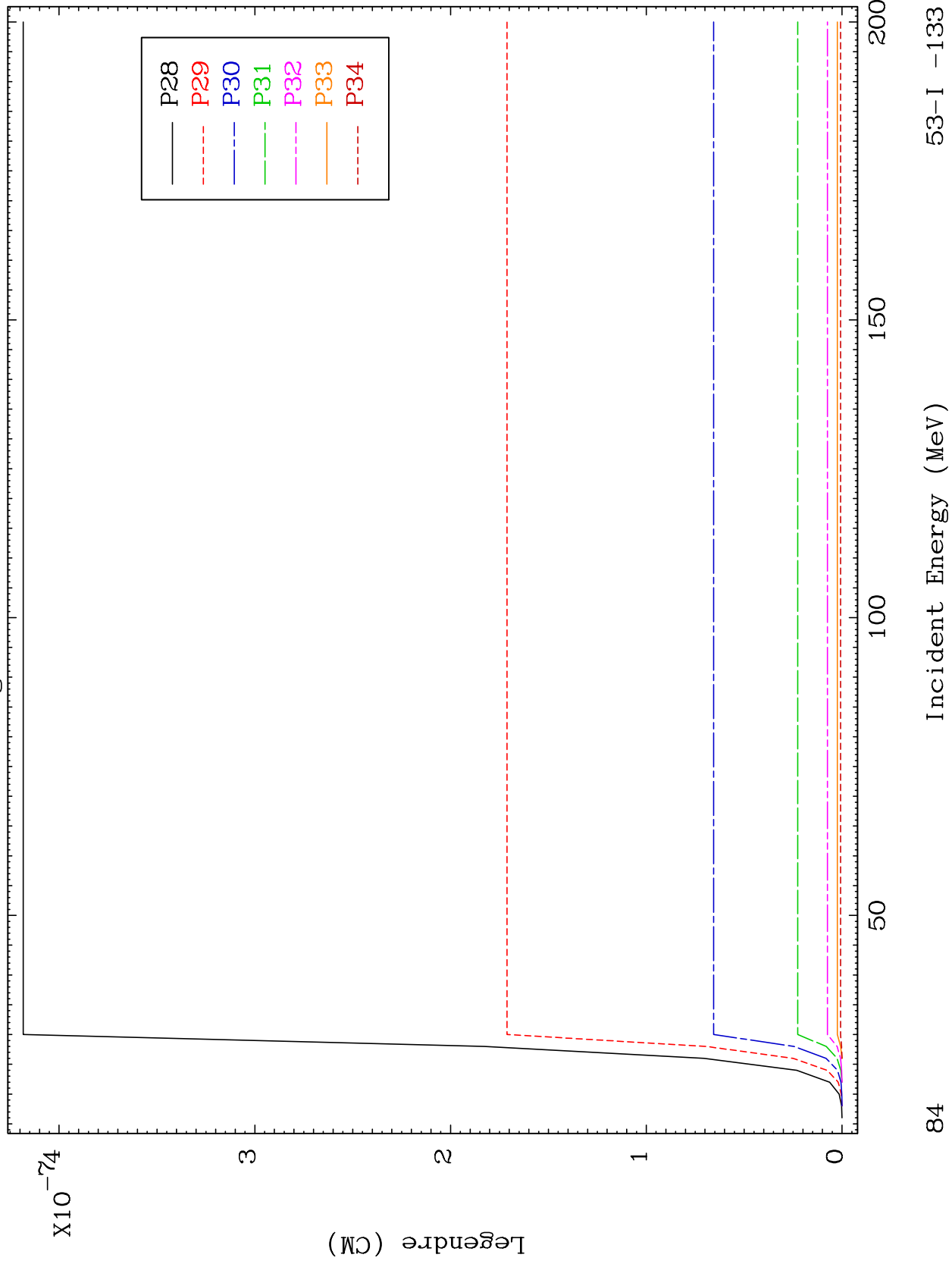
53-I -133

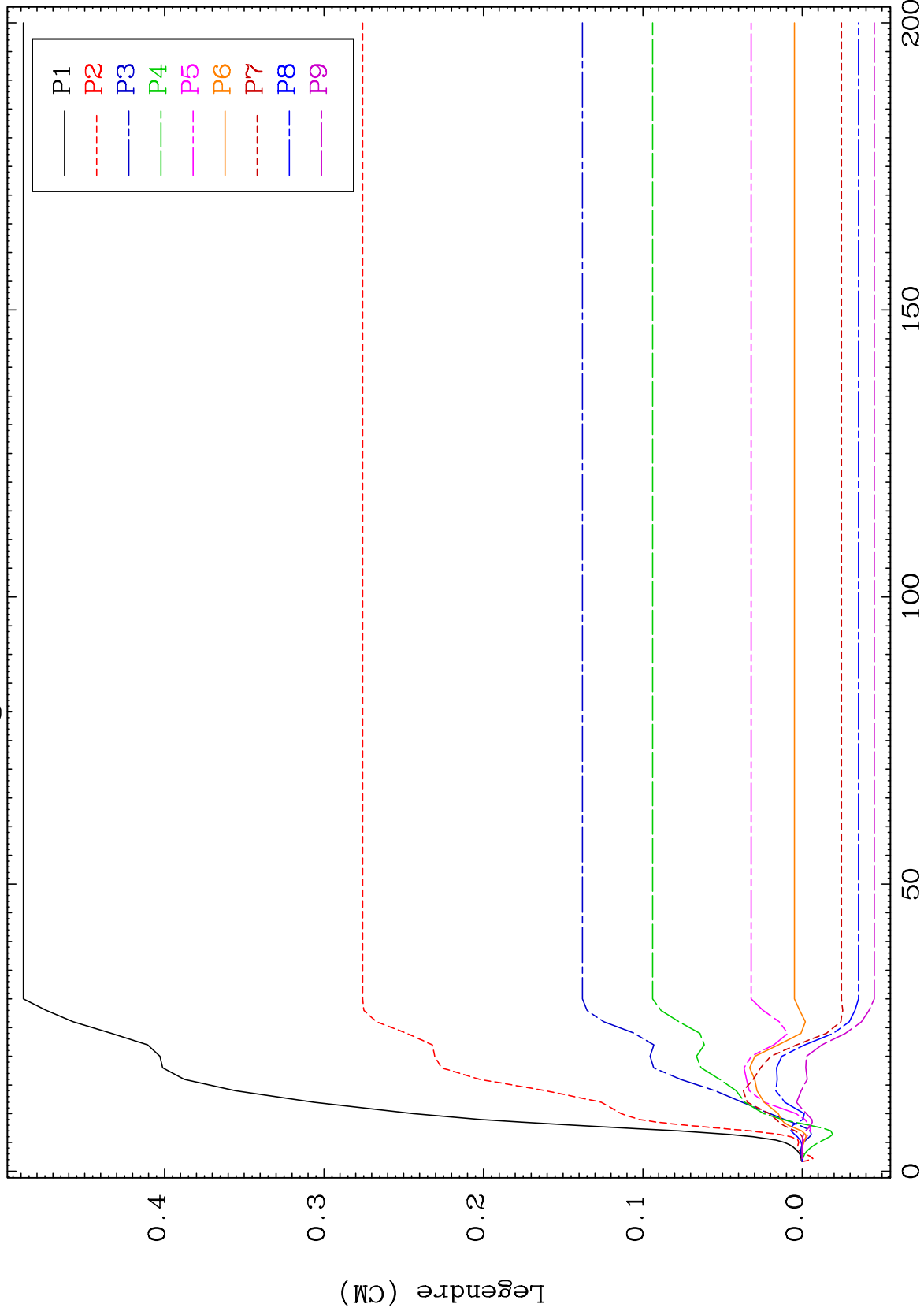


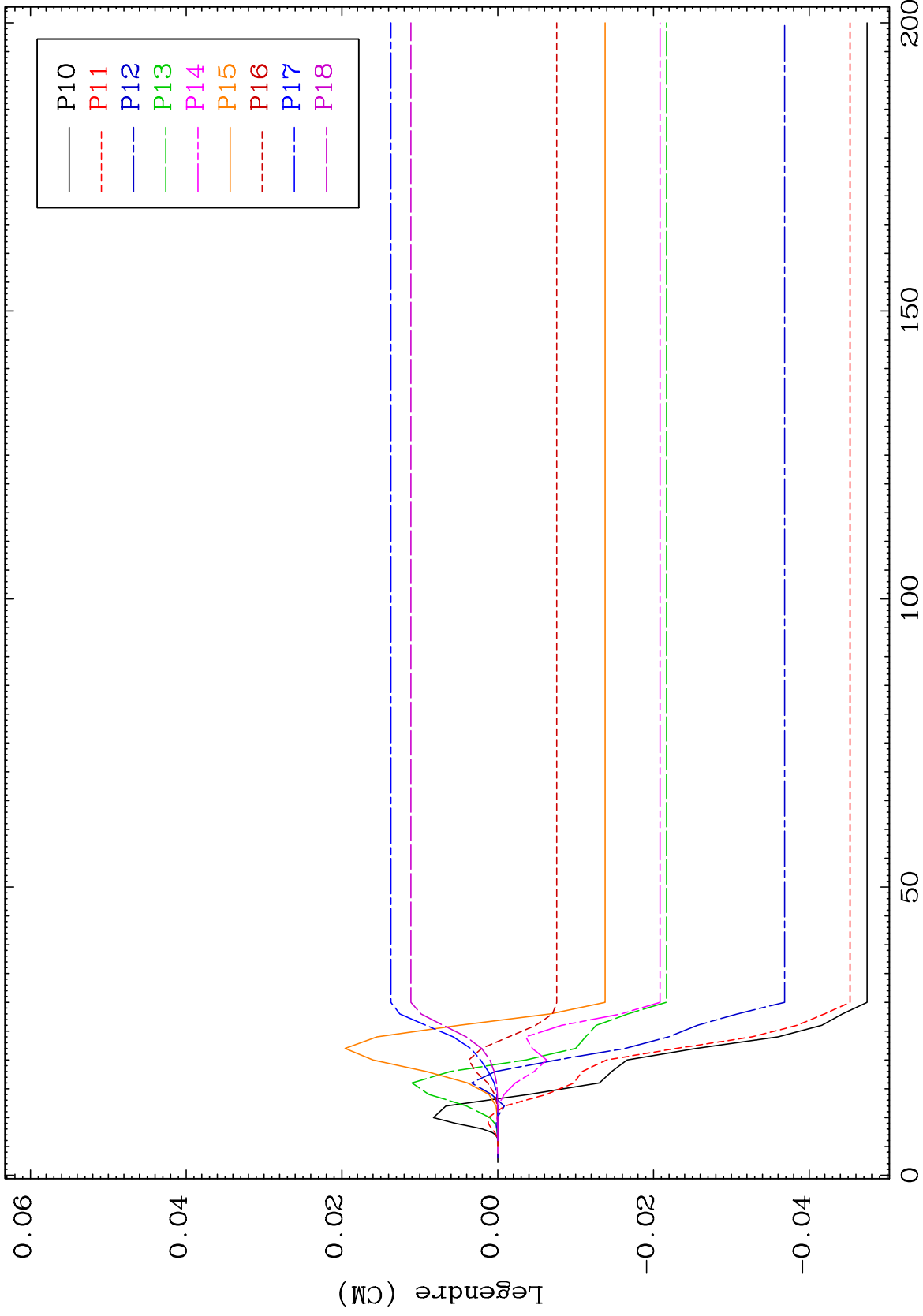
MAT 5343

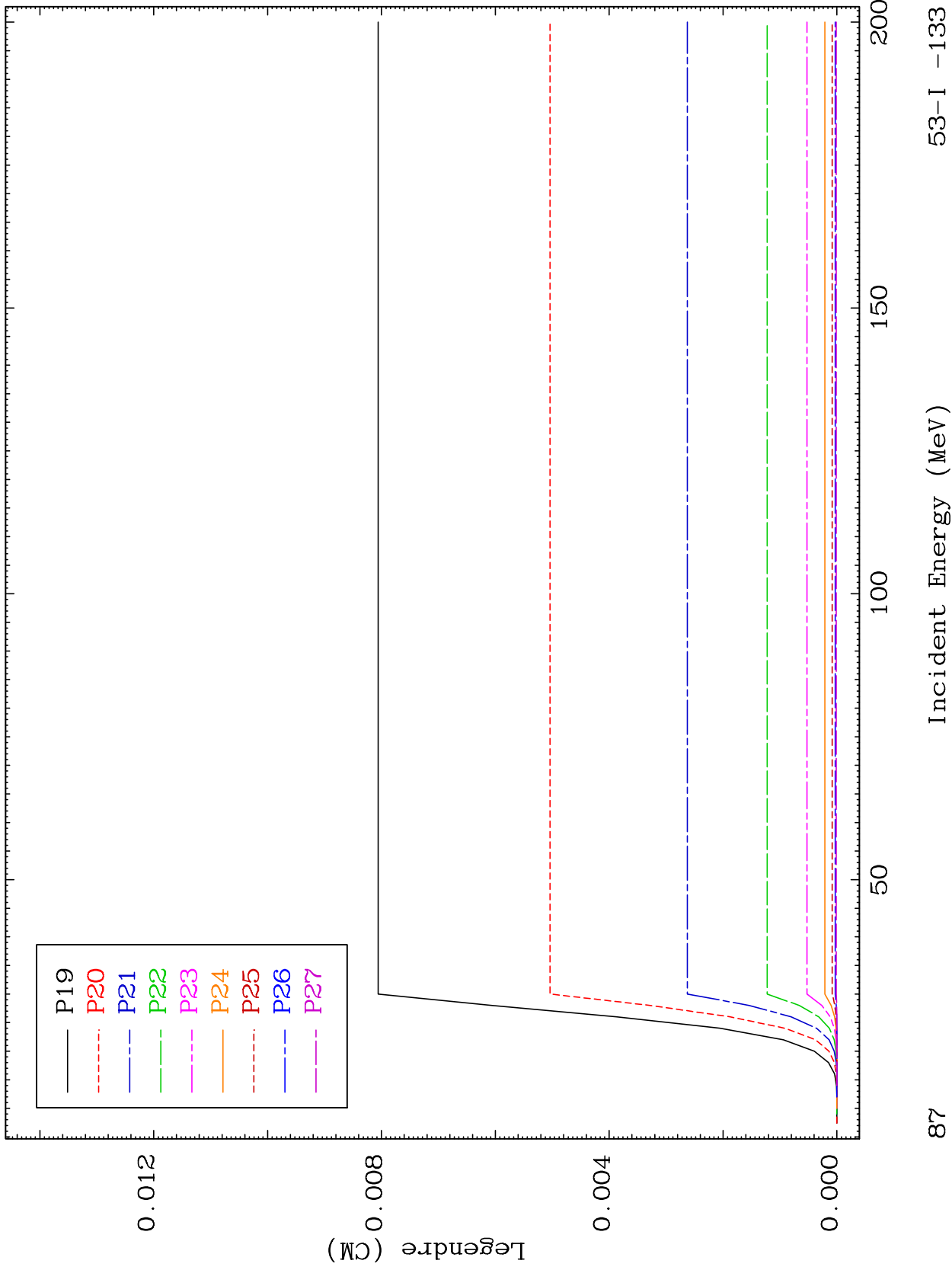
MT= 66 (n,n') Level
Legendre Coefficients

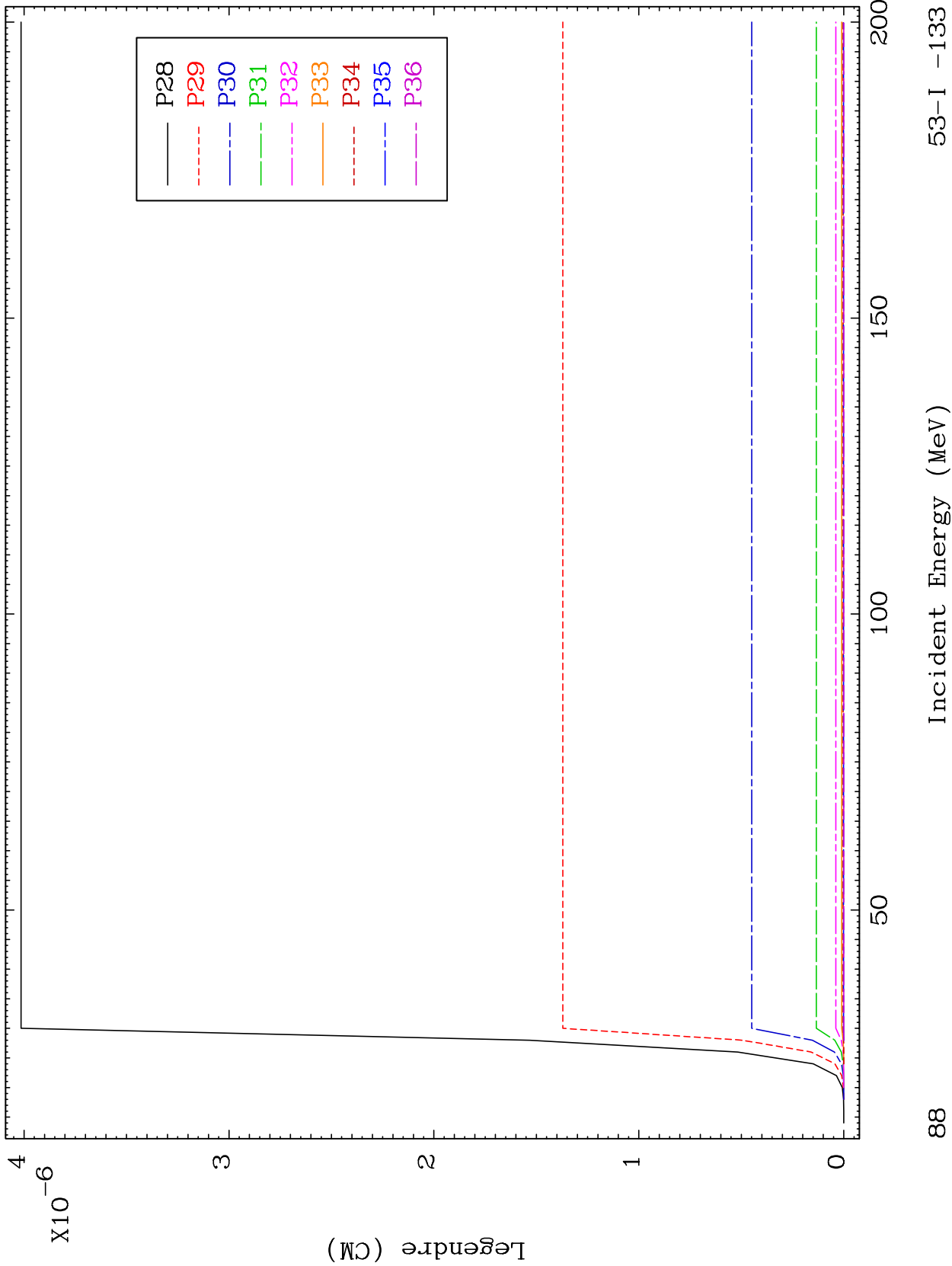
53-I -133

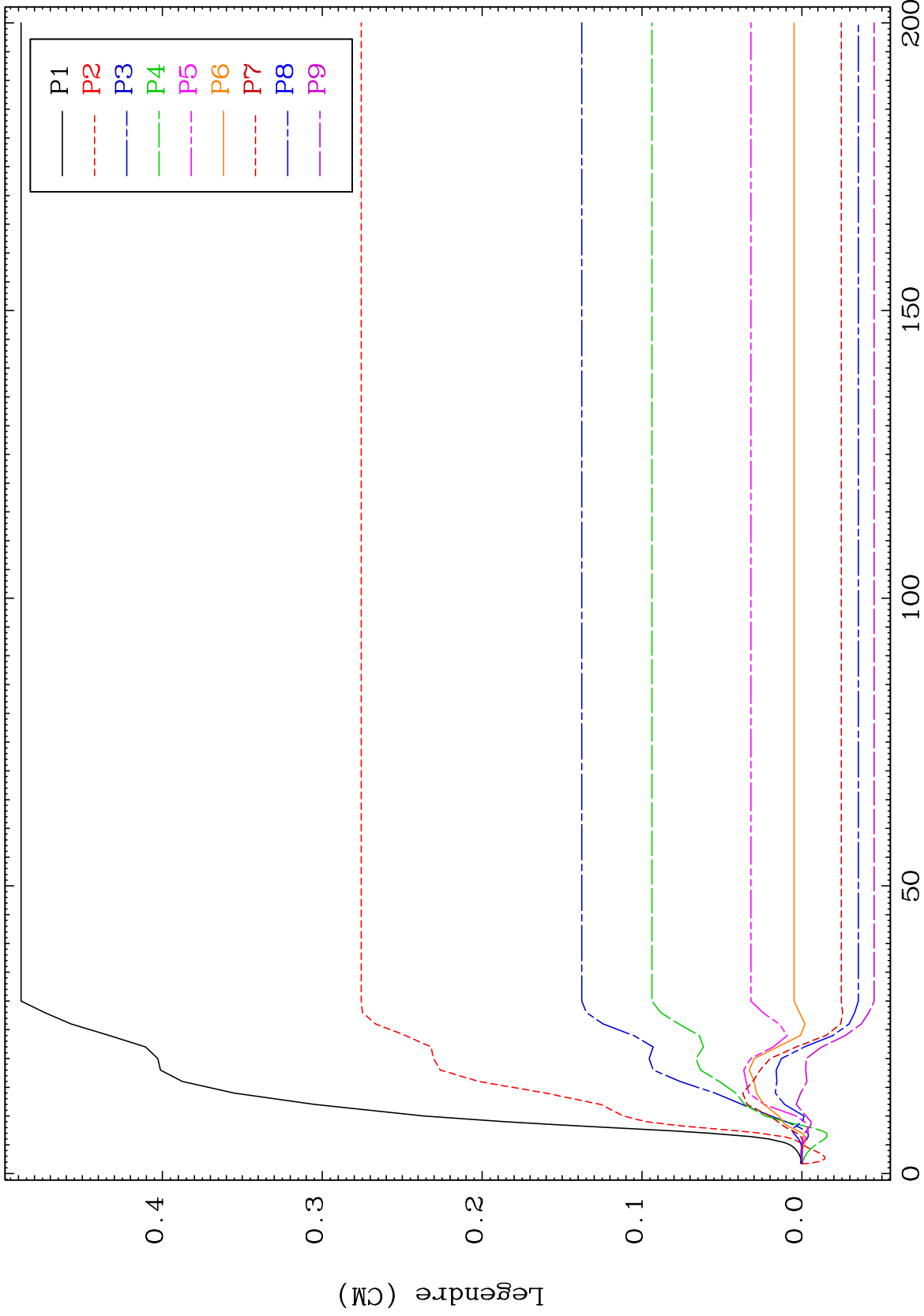








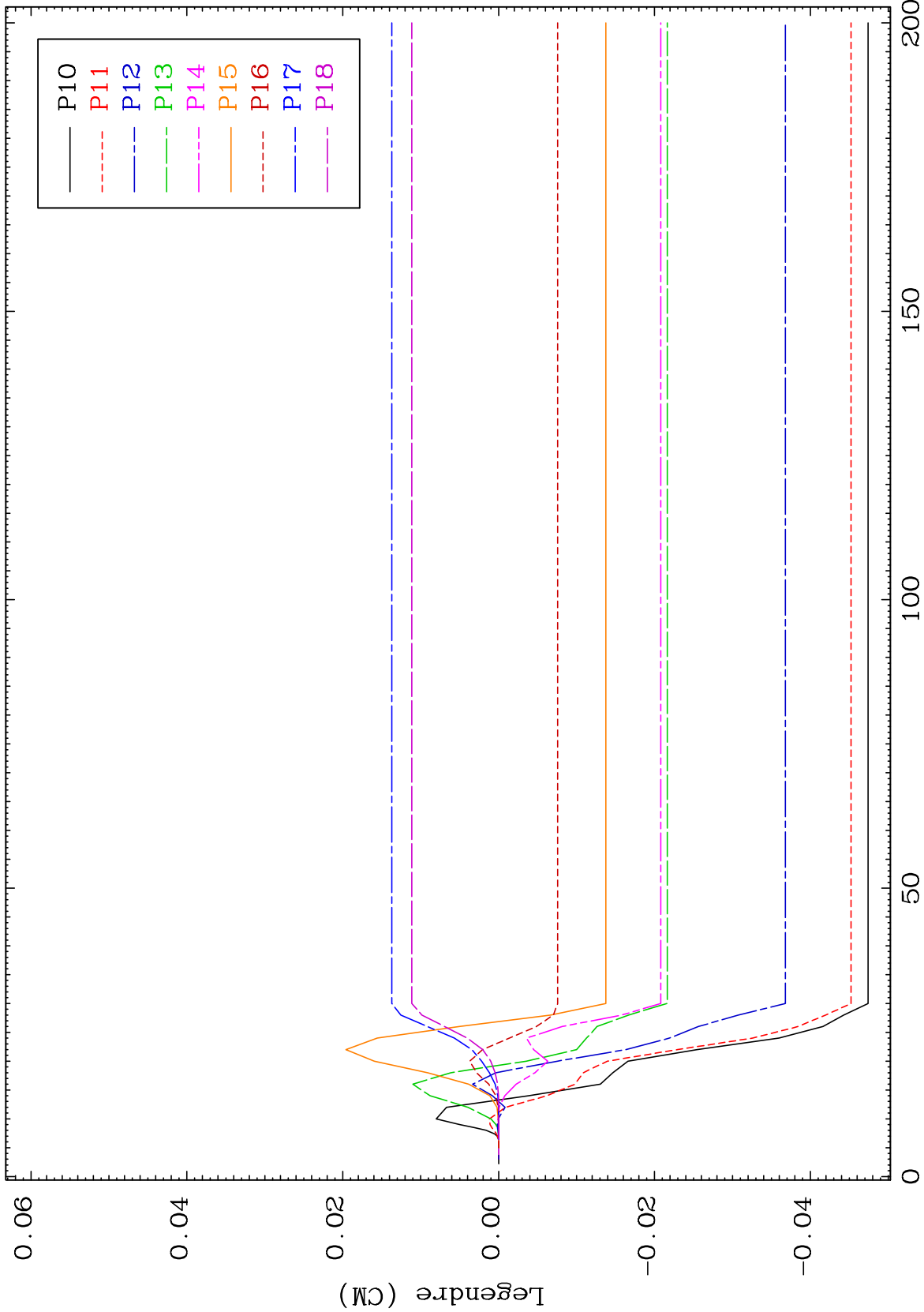




MAT 5343

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

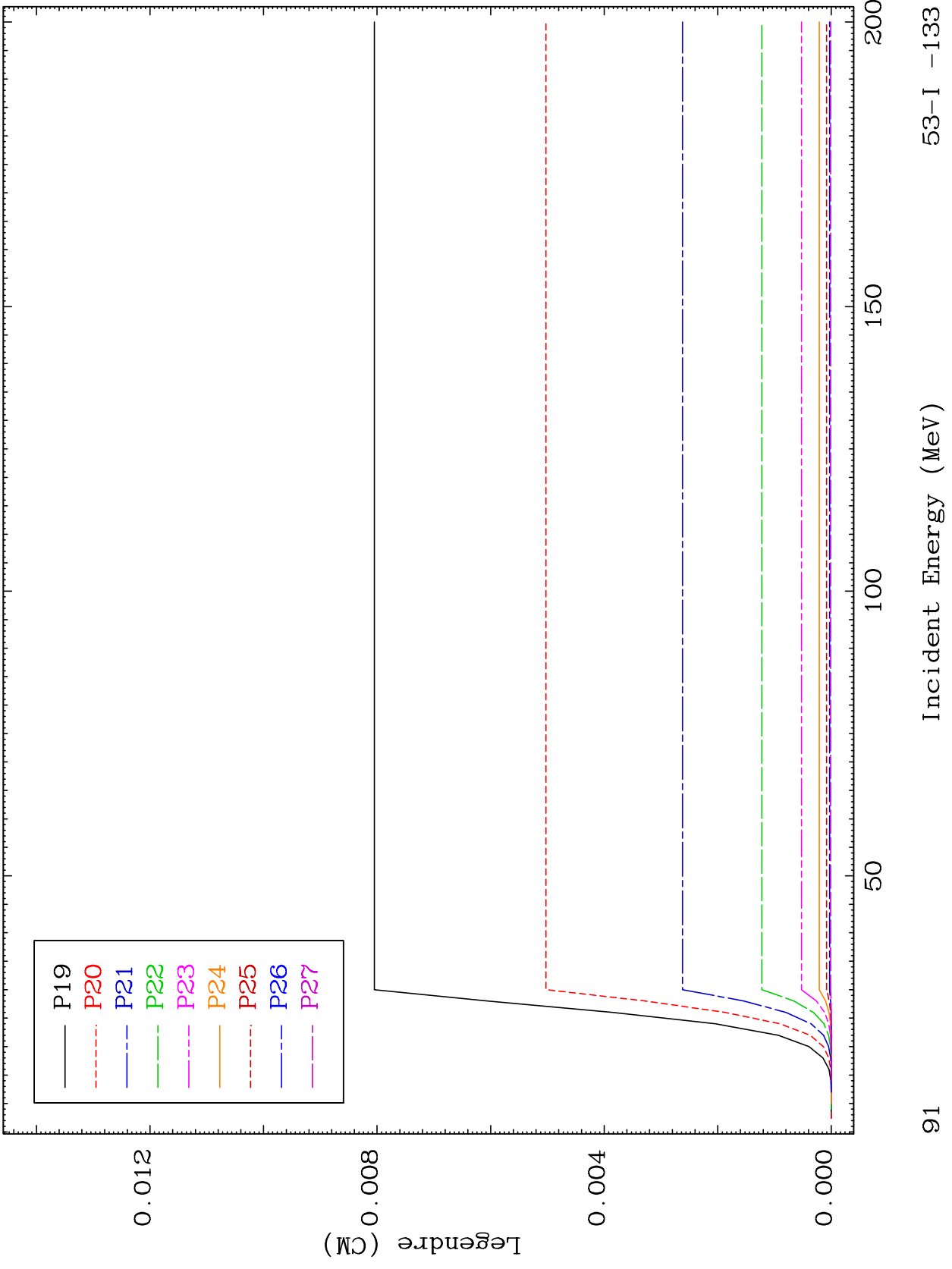
53-I -133

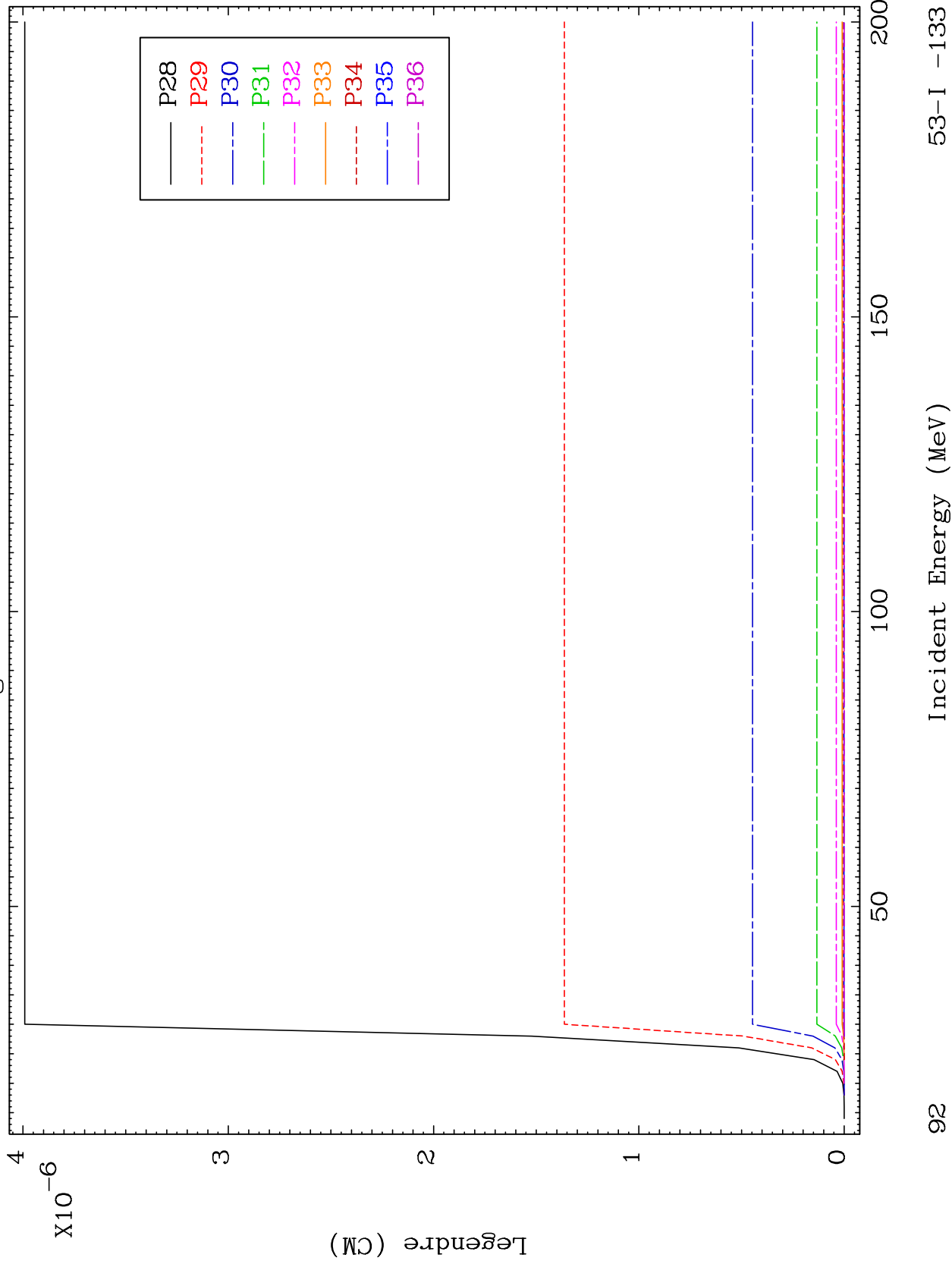


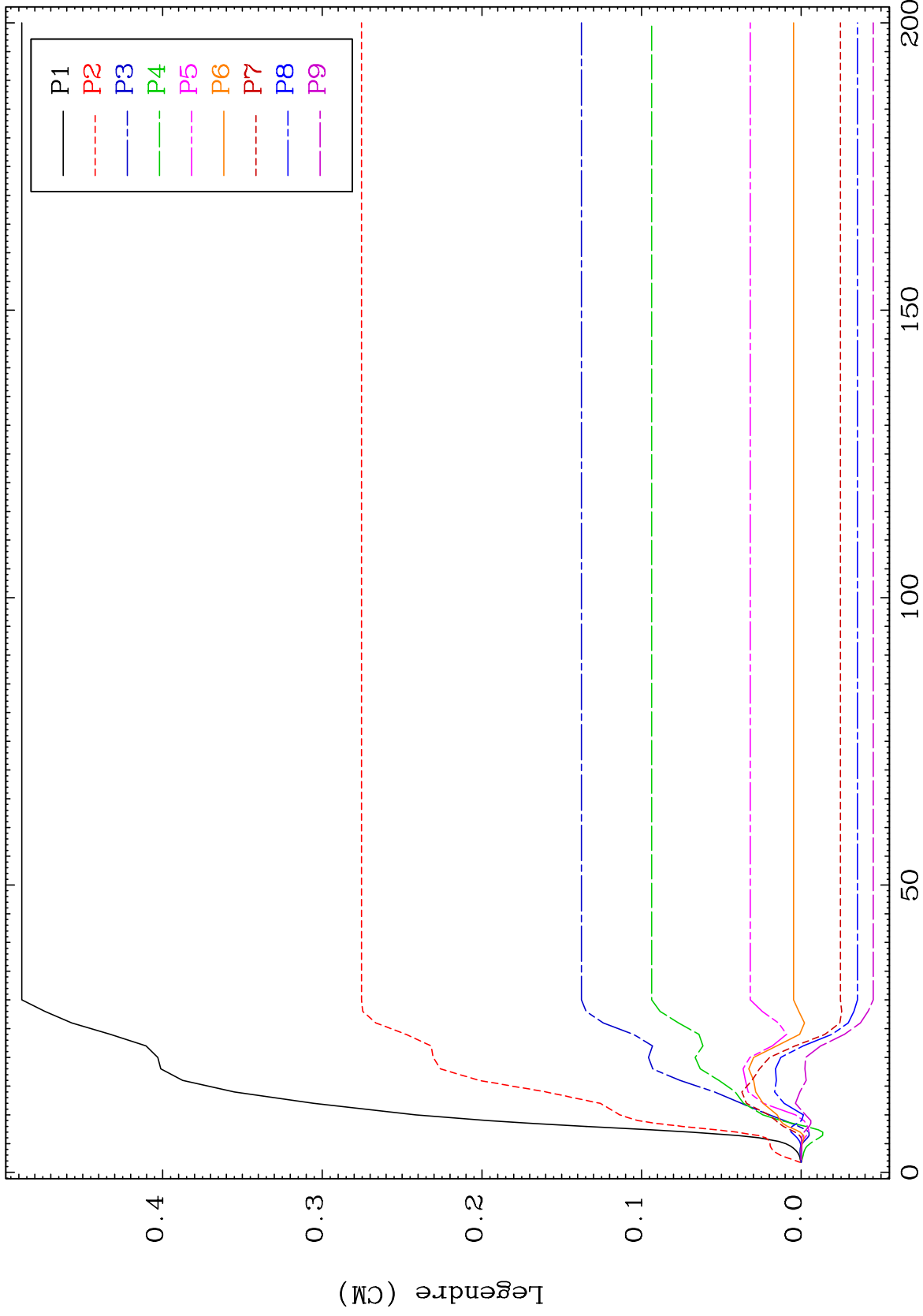
90

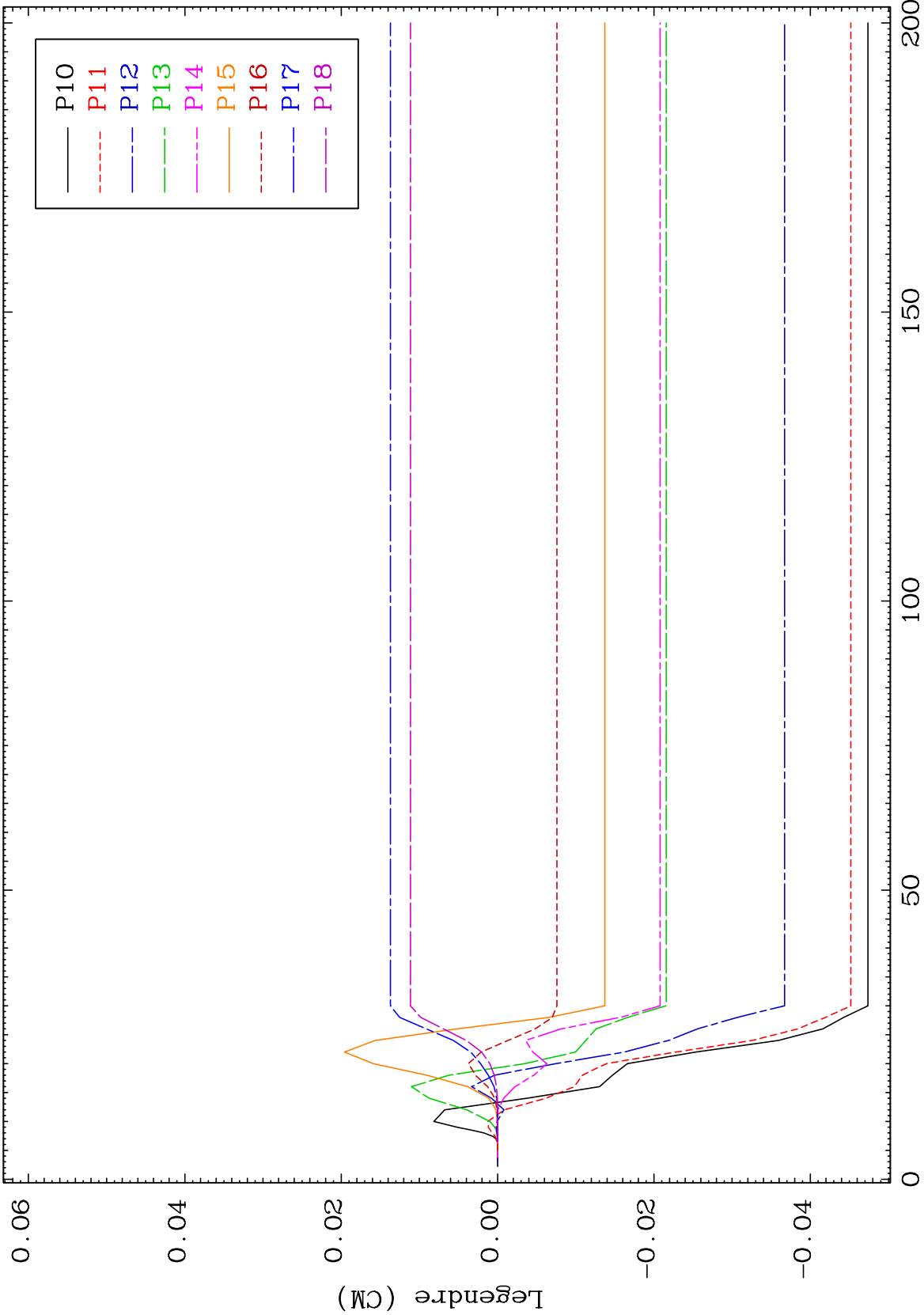
Incident Energy (MeV)

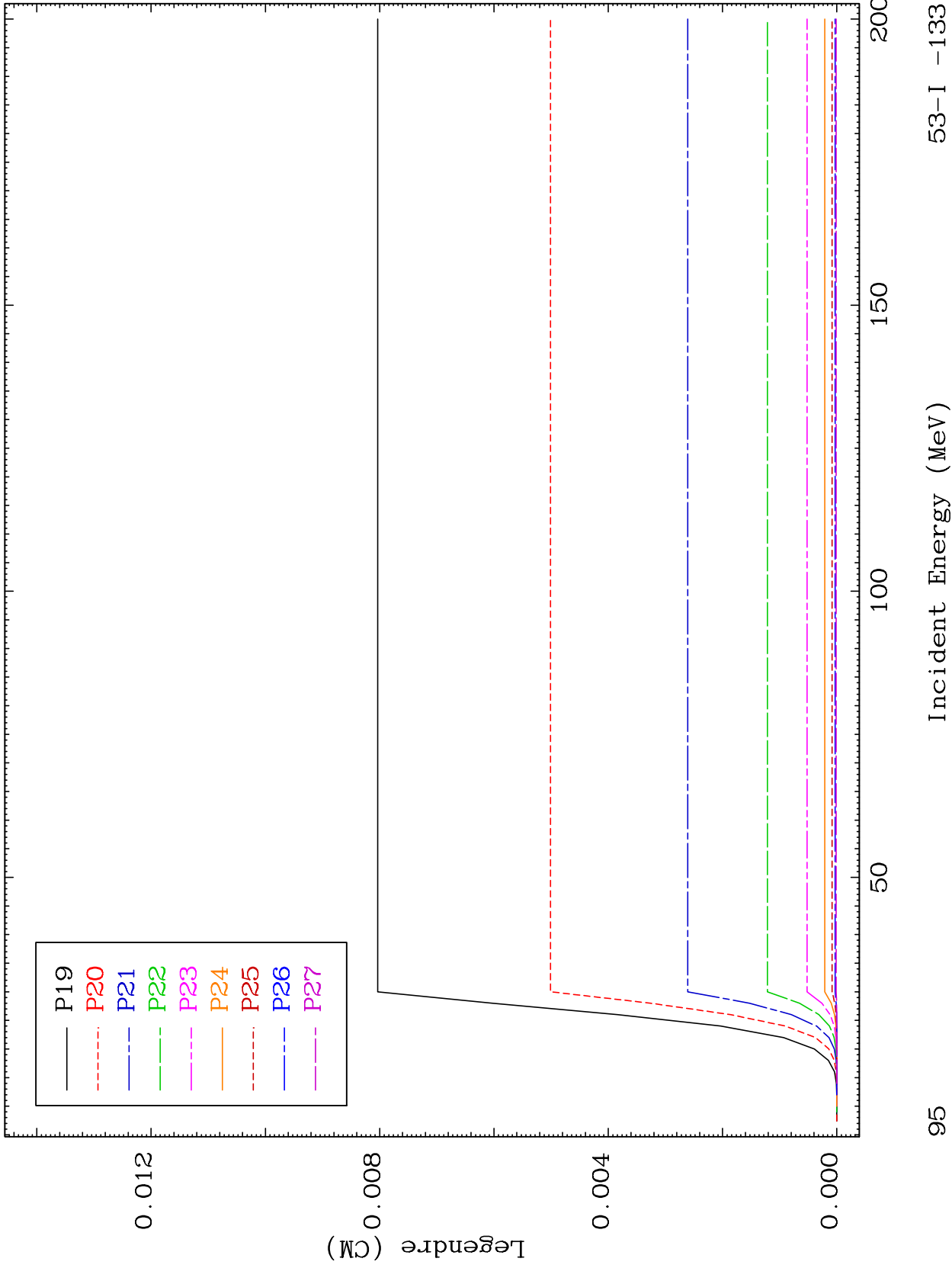
53-I -133

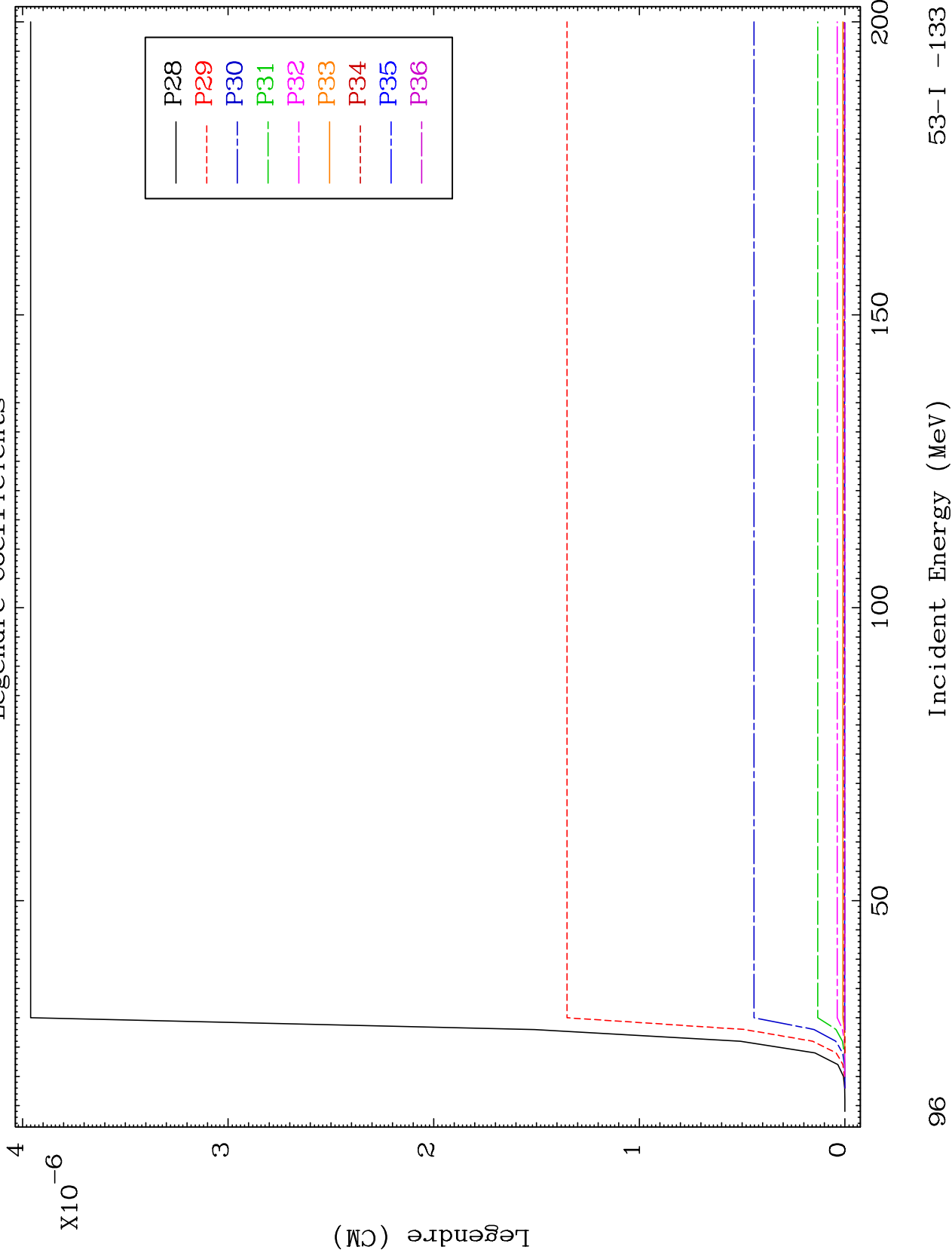


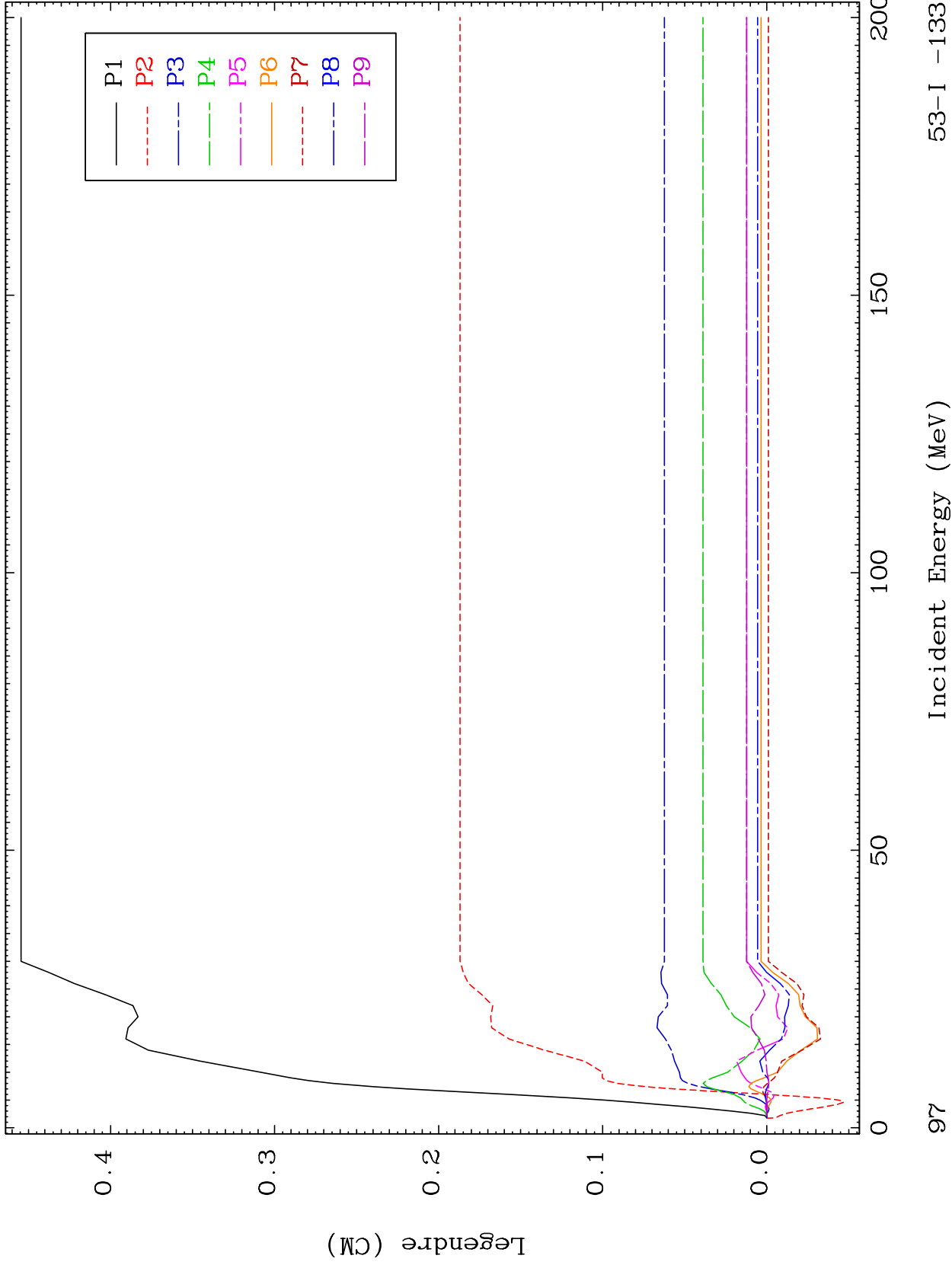


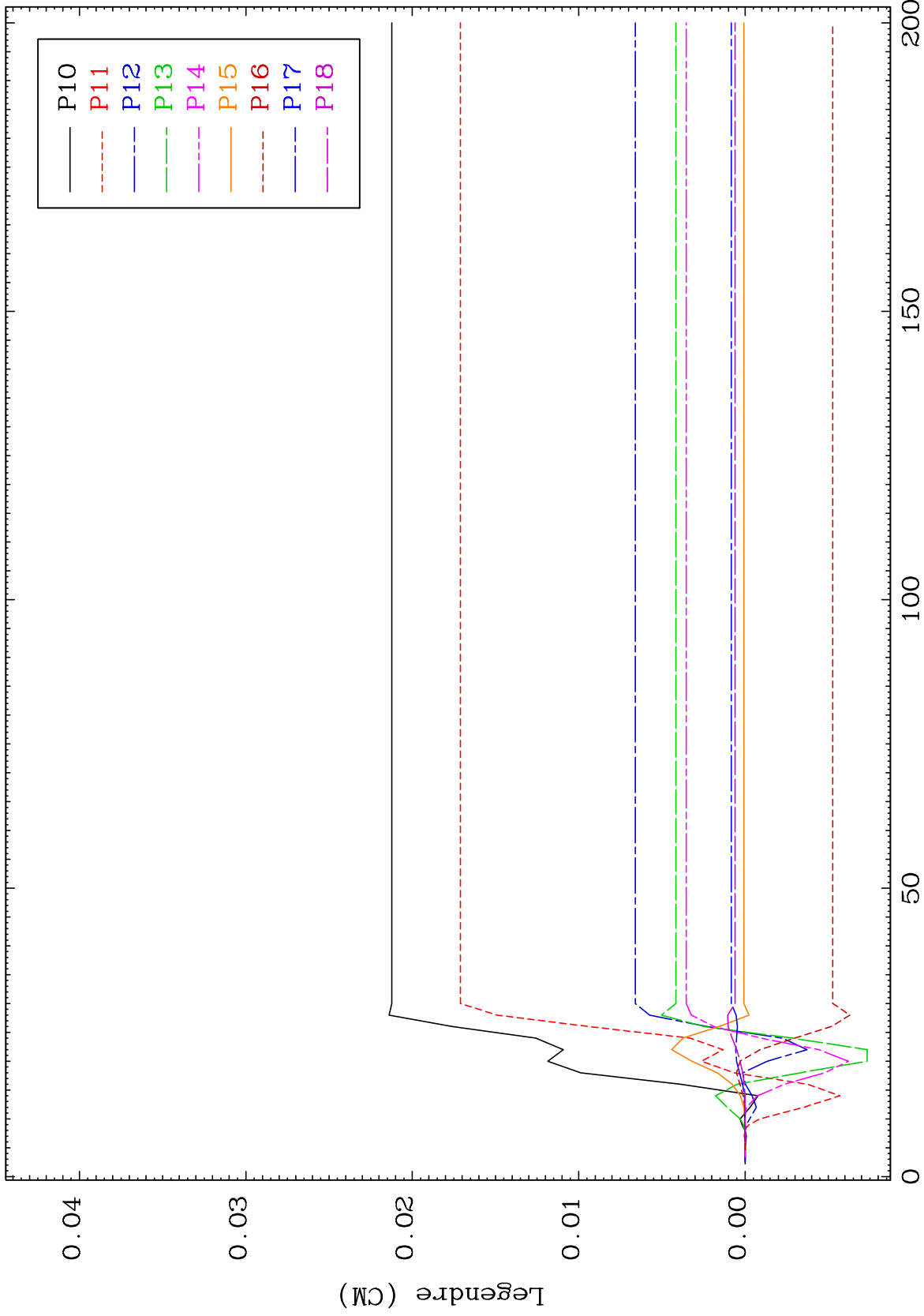


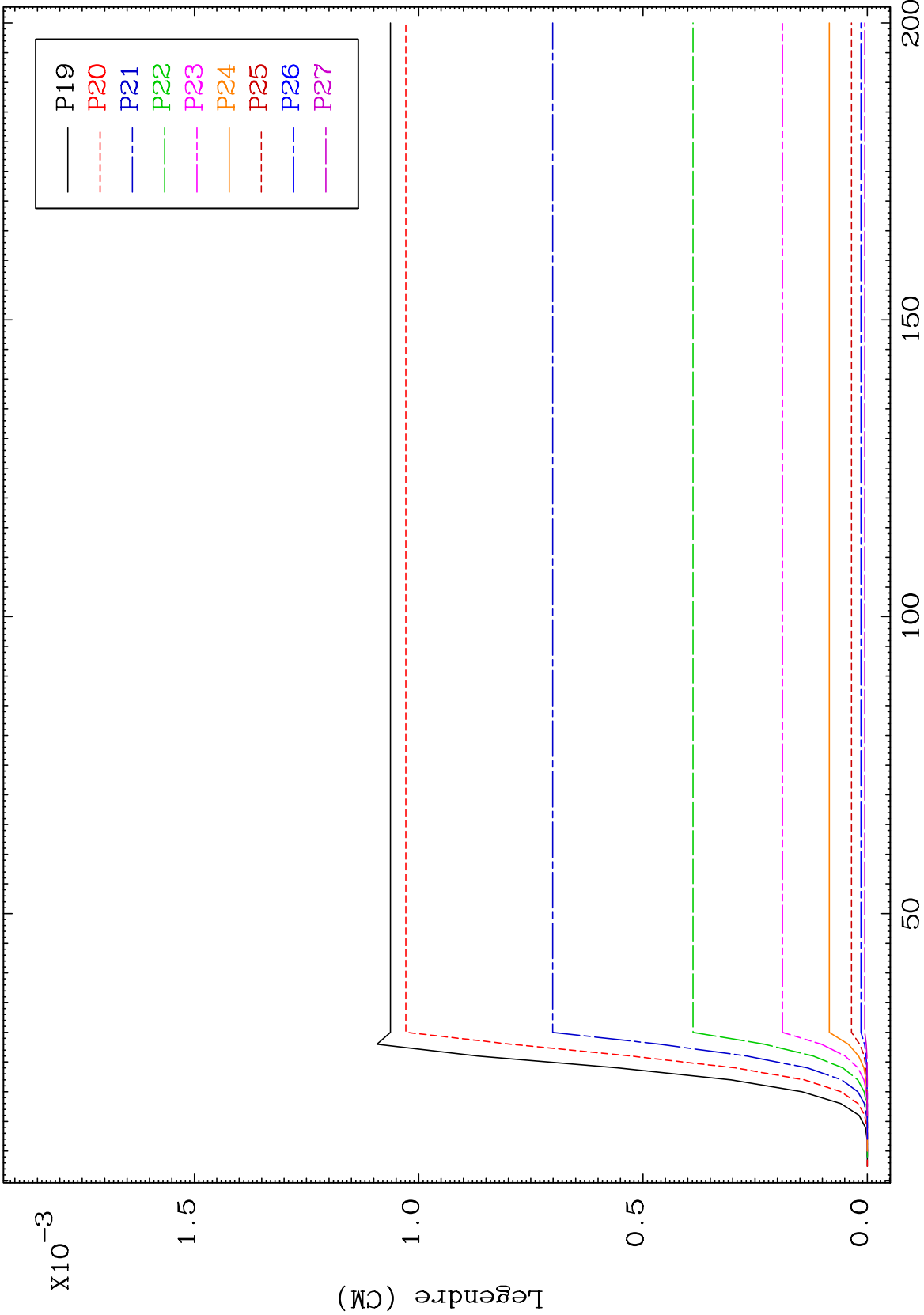


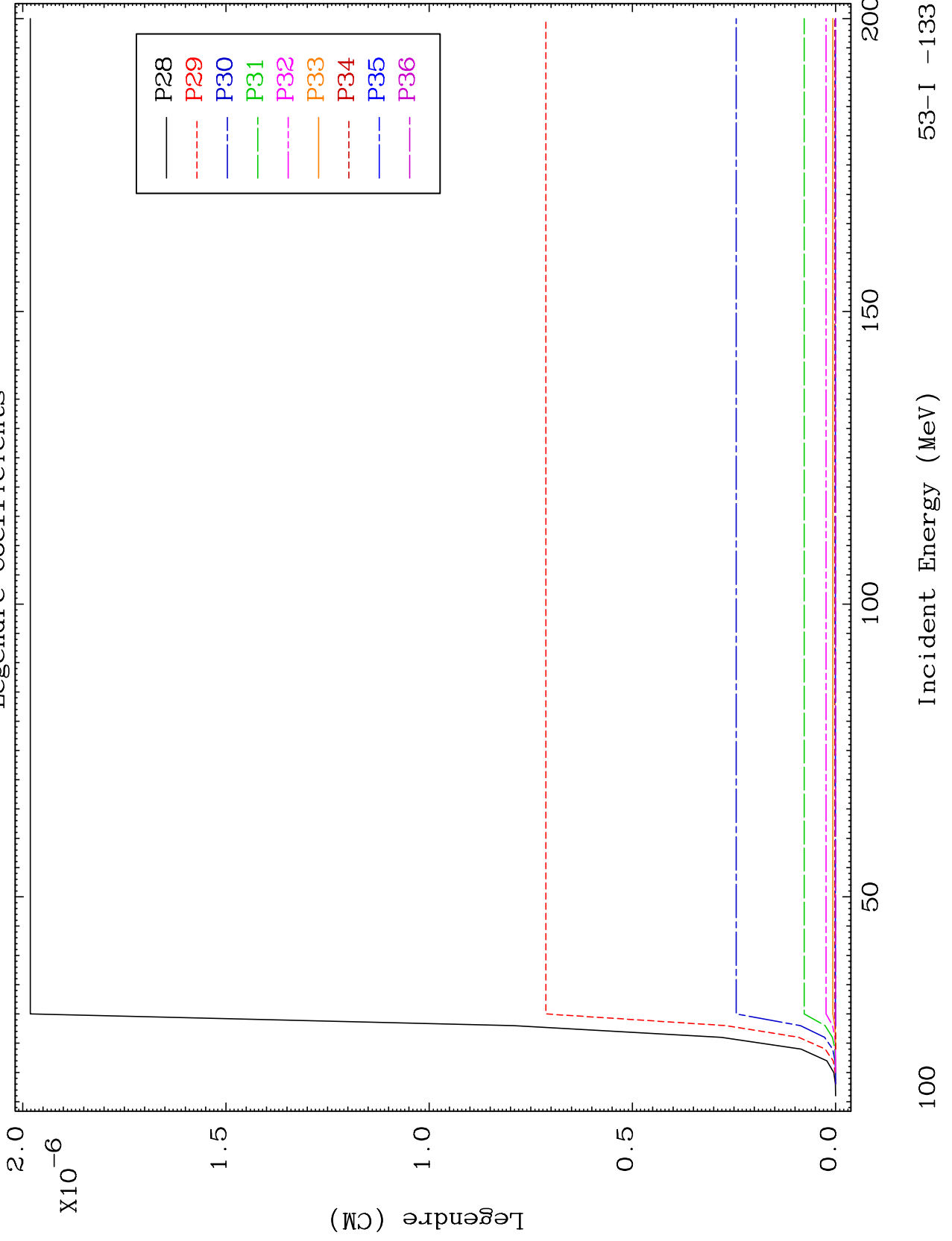


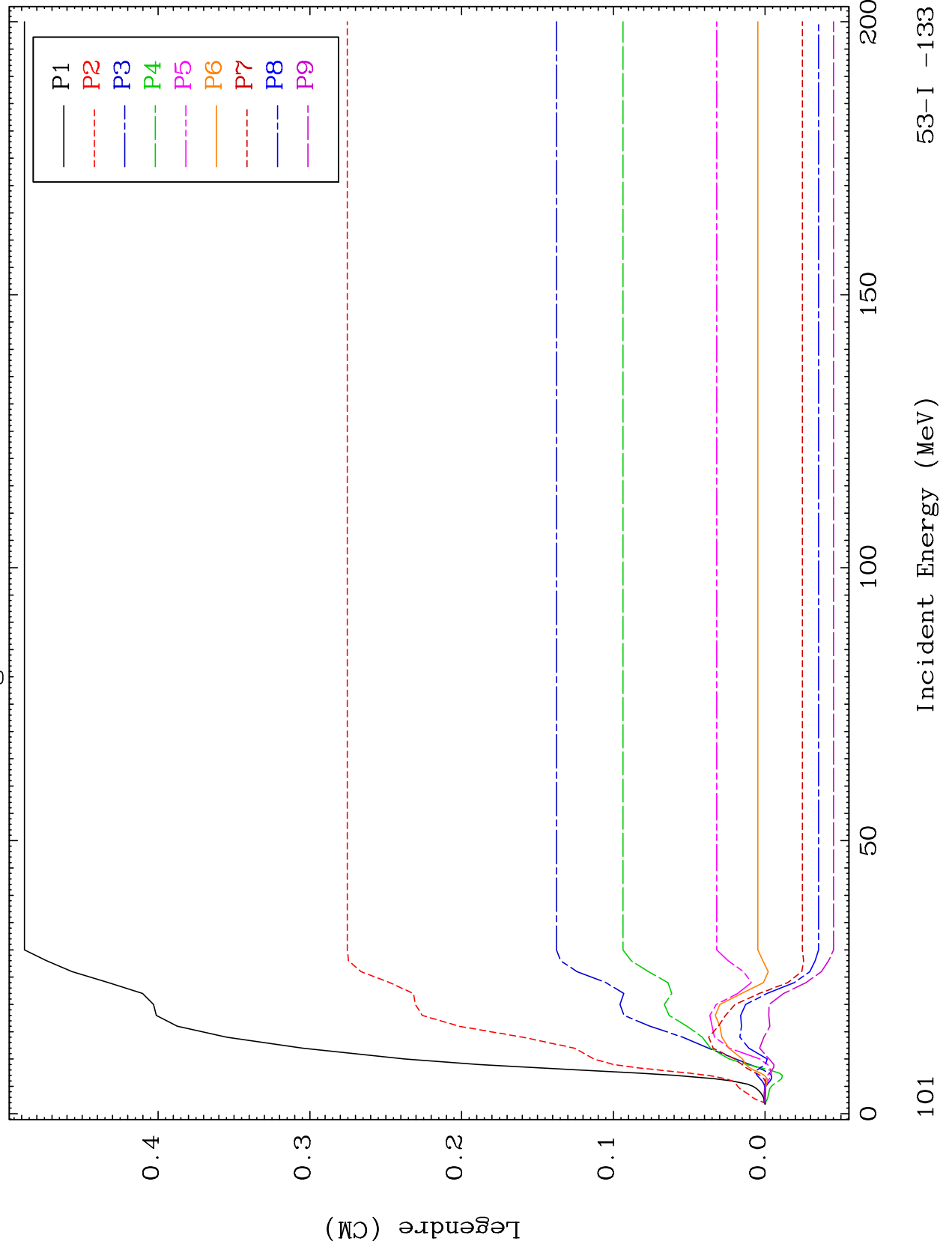








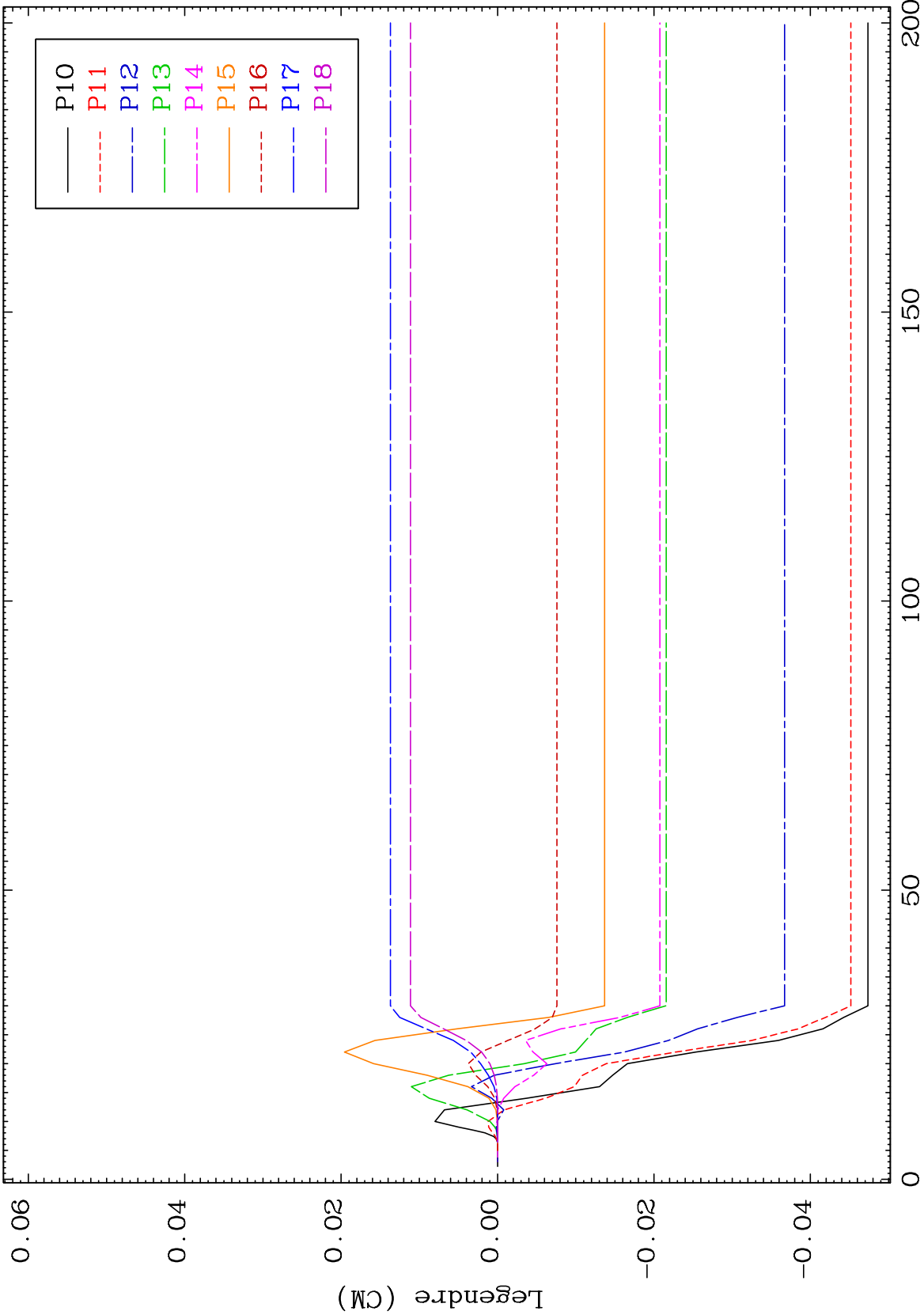




MAT 5343

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

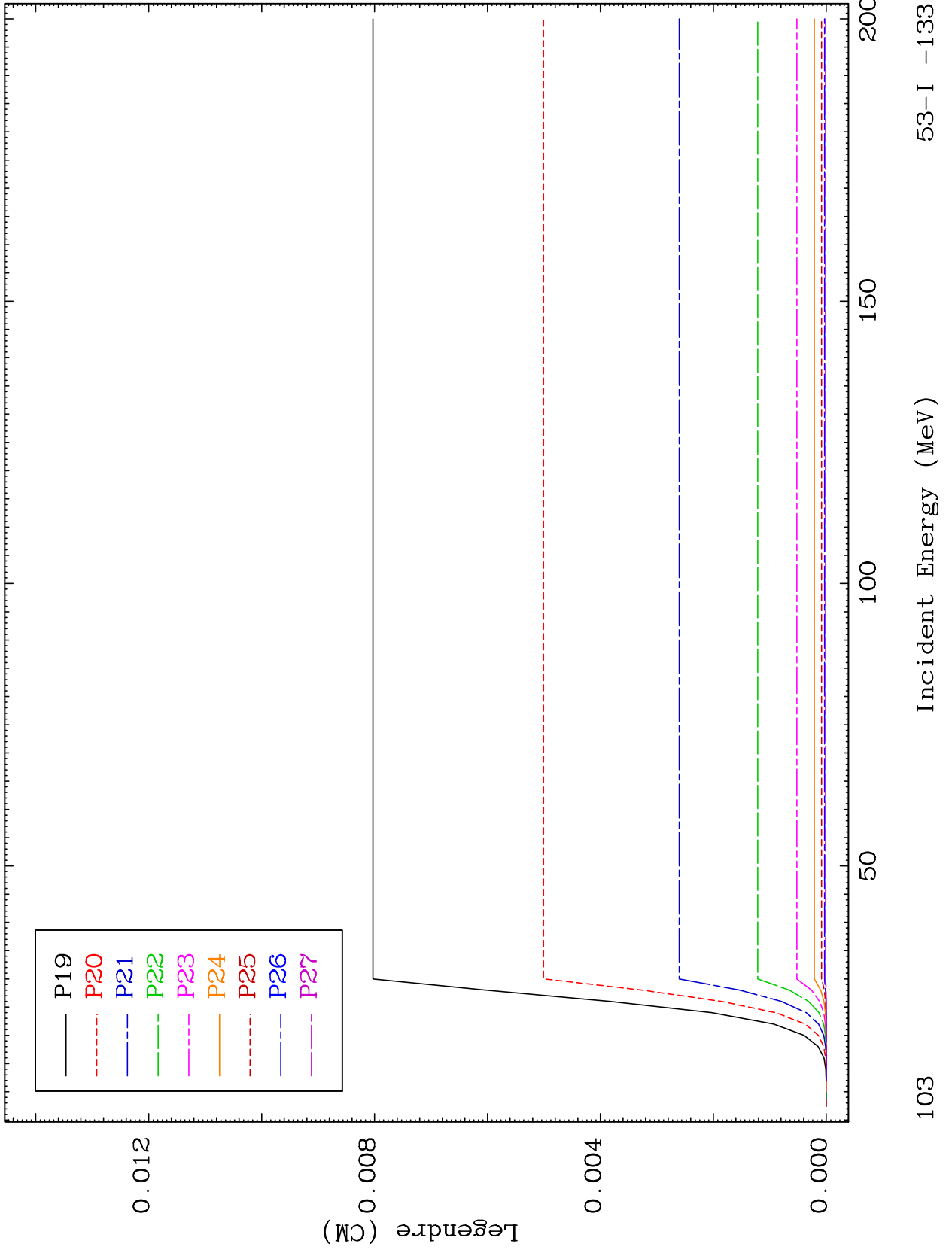
53-I -133

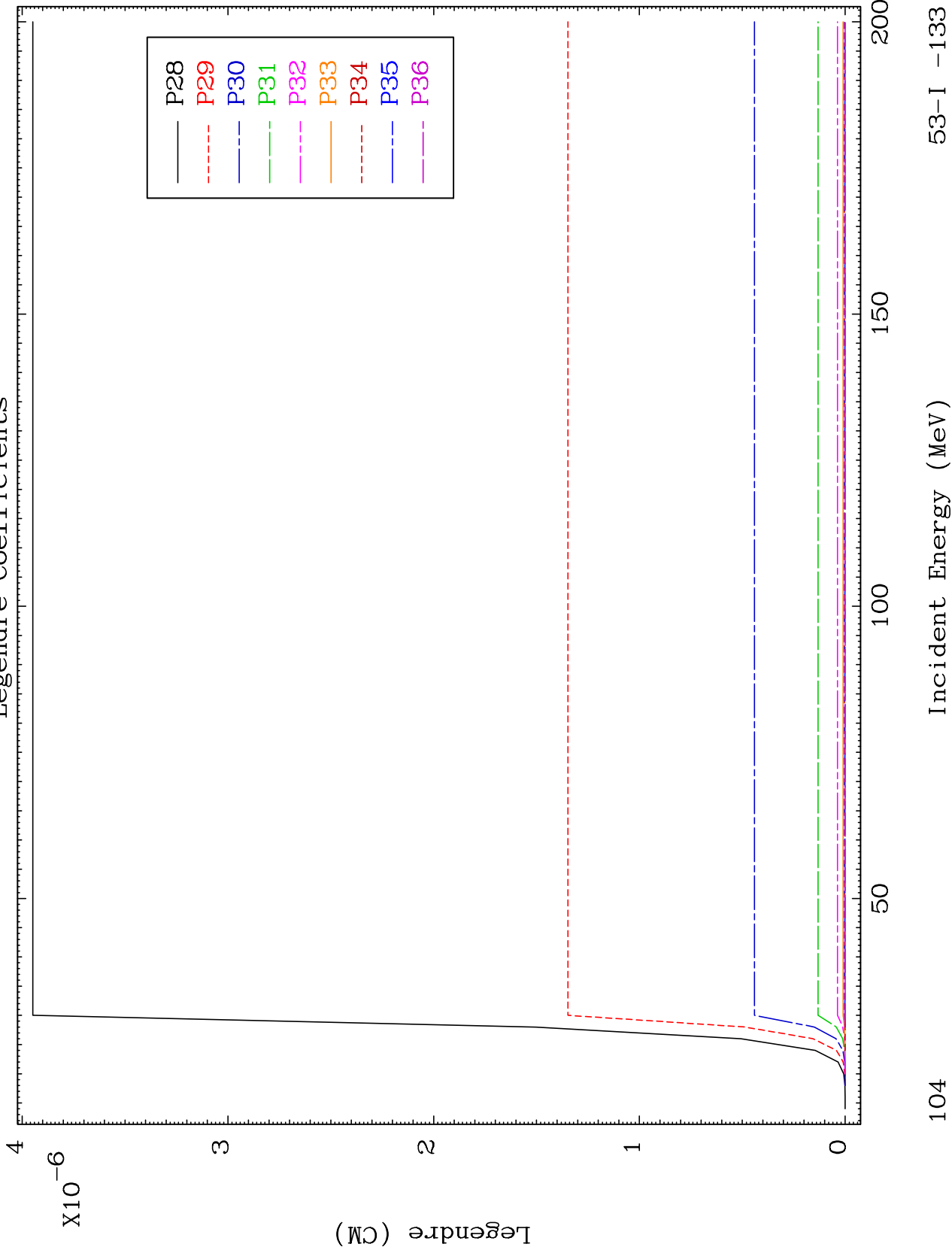


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Incident Energy (MeV)

53-I -133

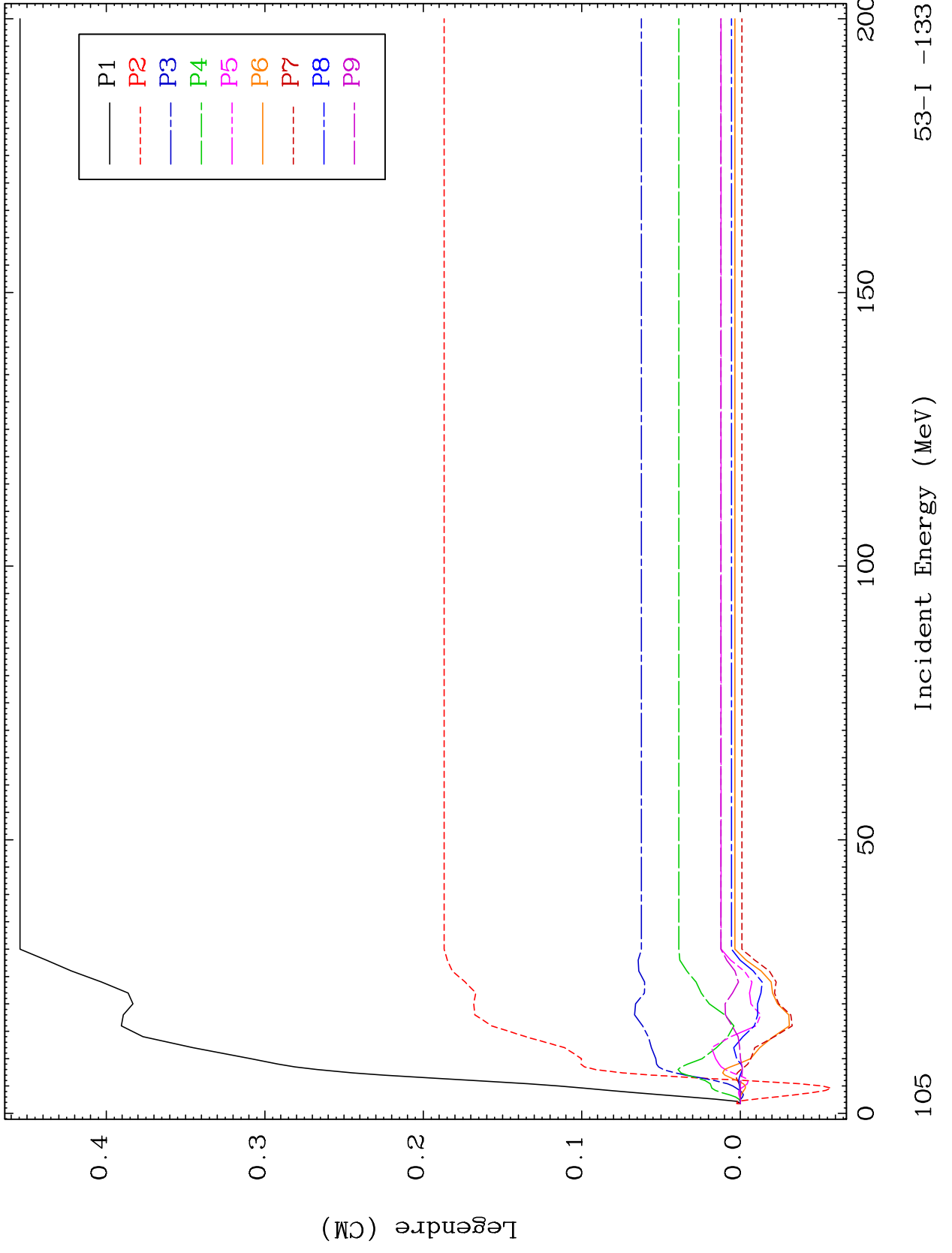




MAT 5343

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

53-I -133

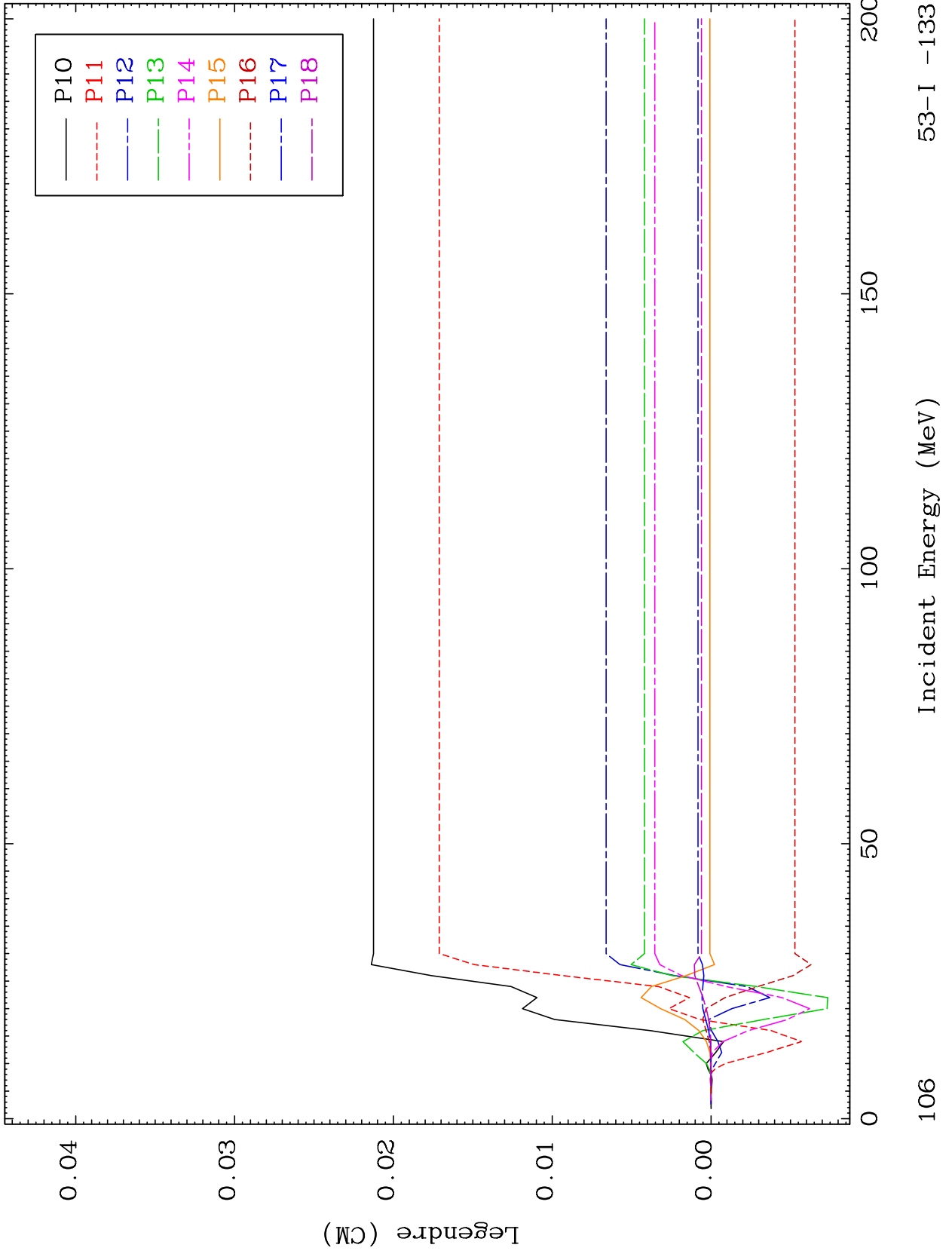


53-I -133

MAT 5343

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

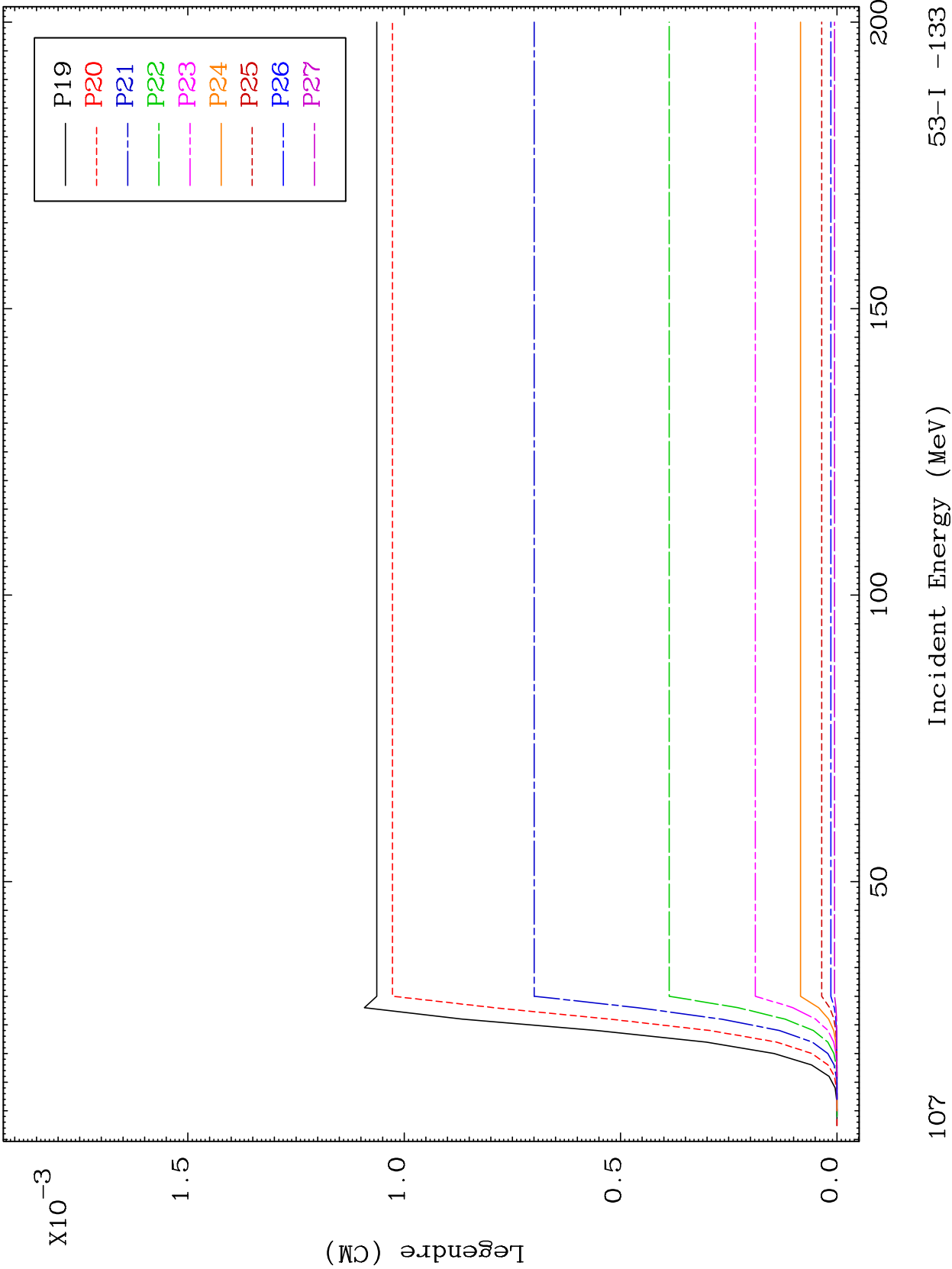
53-I -133



53-I -133

Incident Energy (MeV)

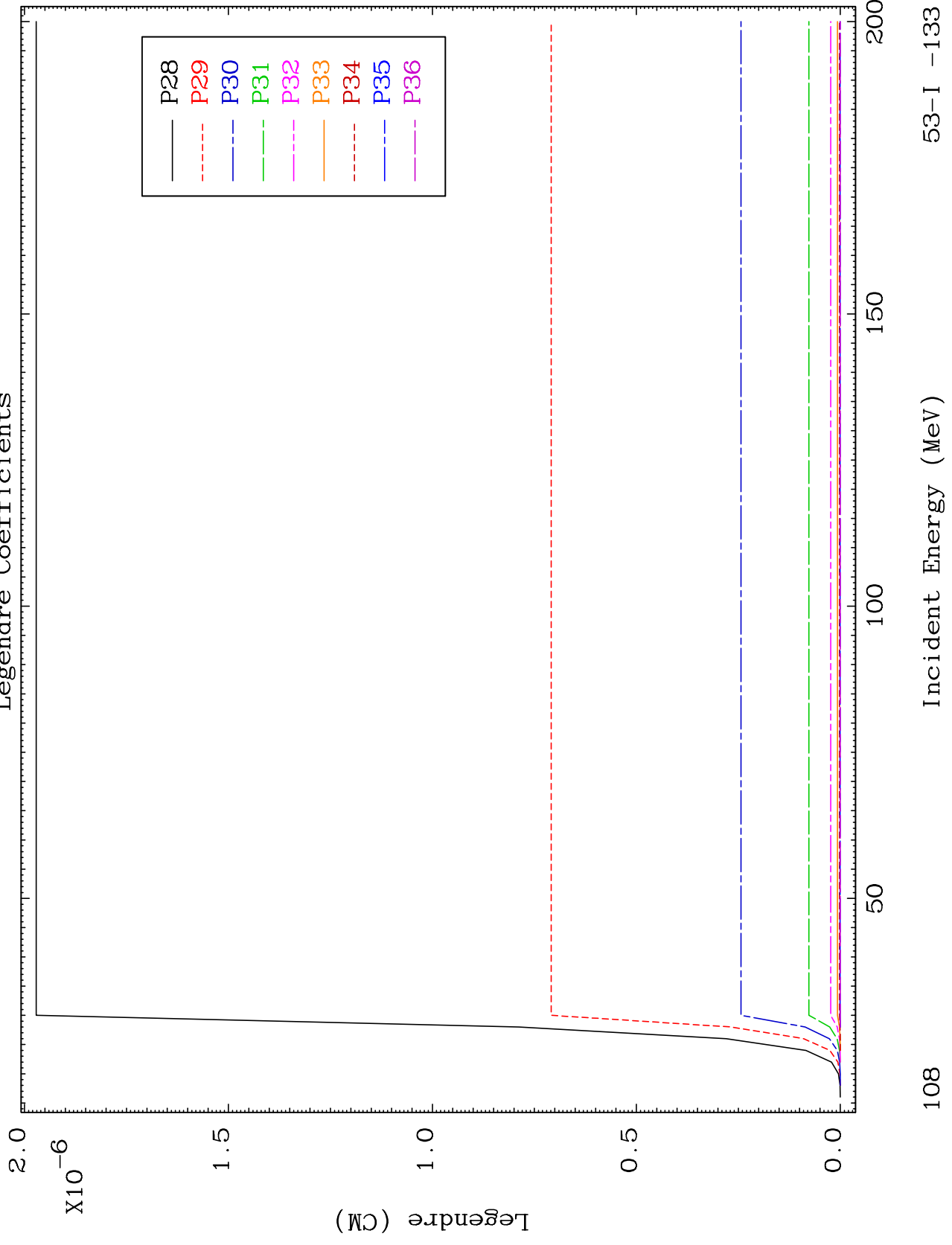
106



MAT 5343

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

53-I -133



108

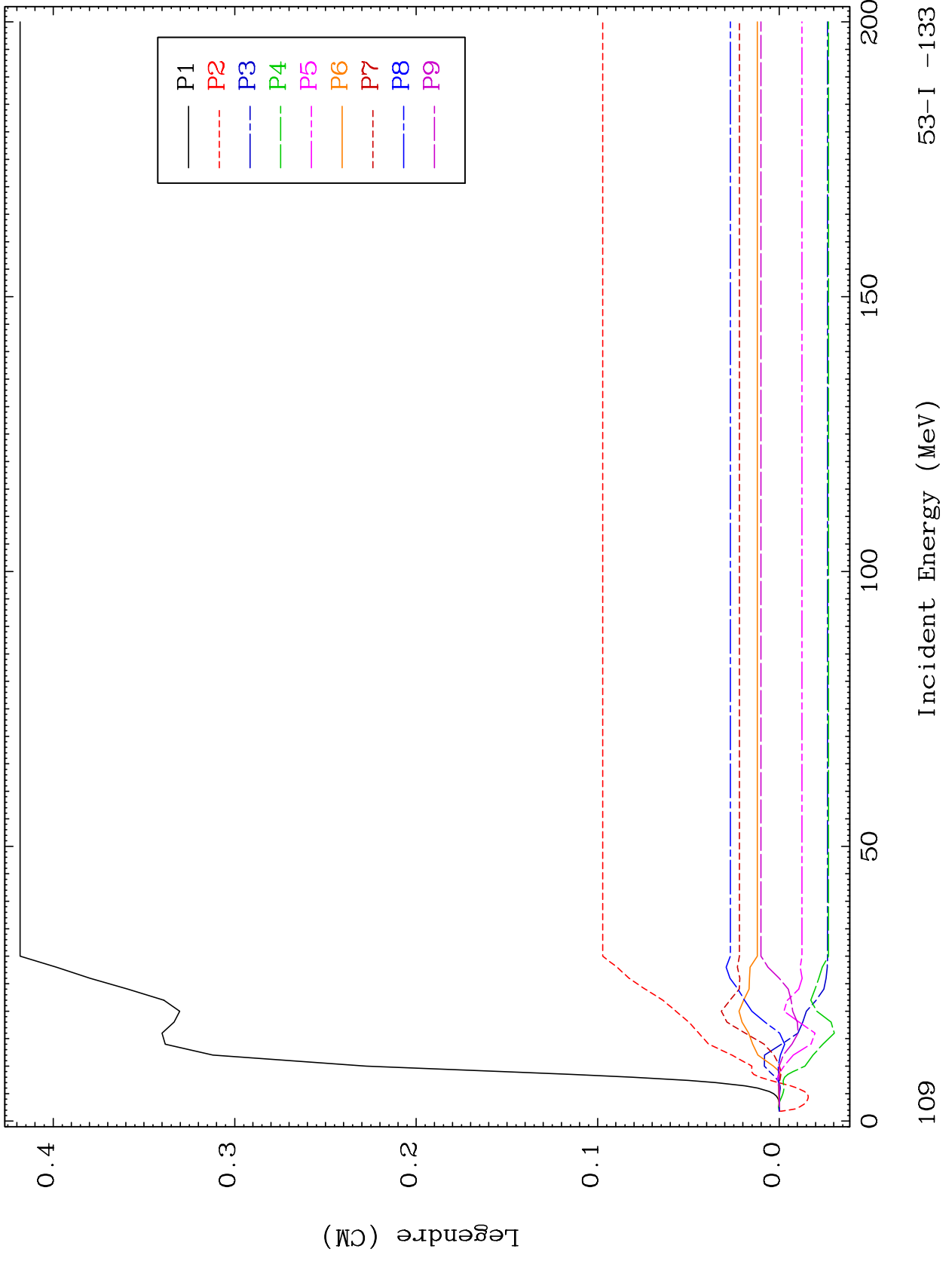
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



53-I -133

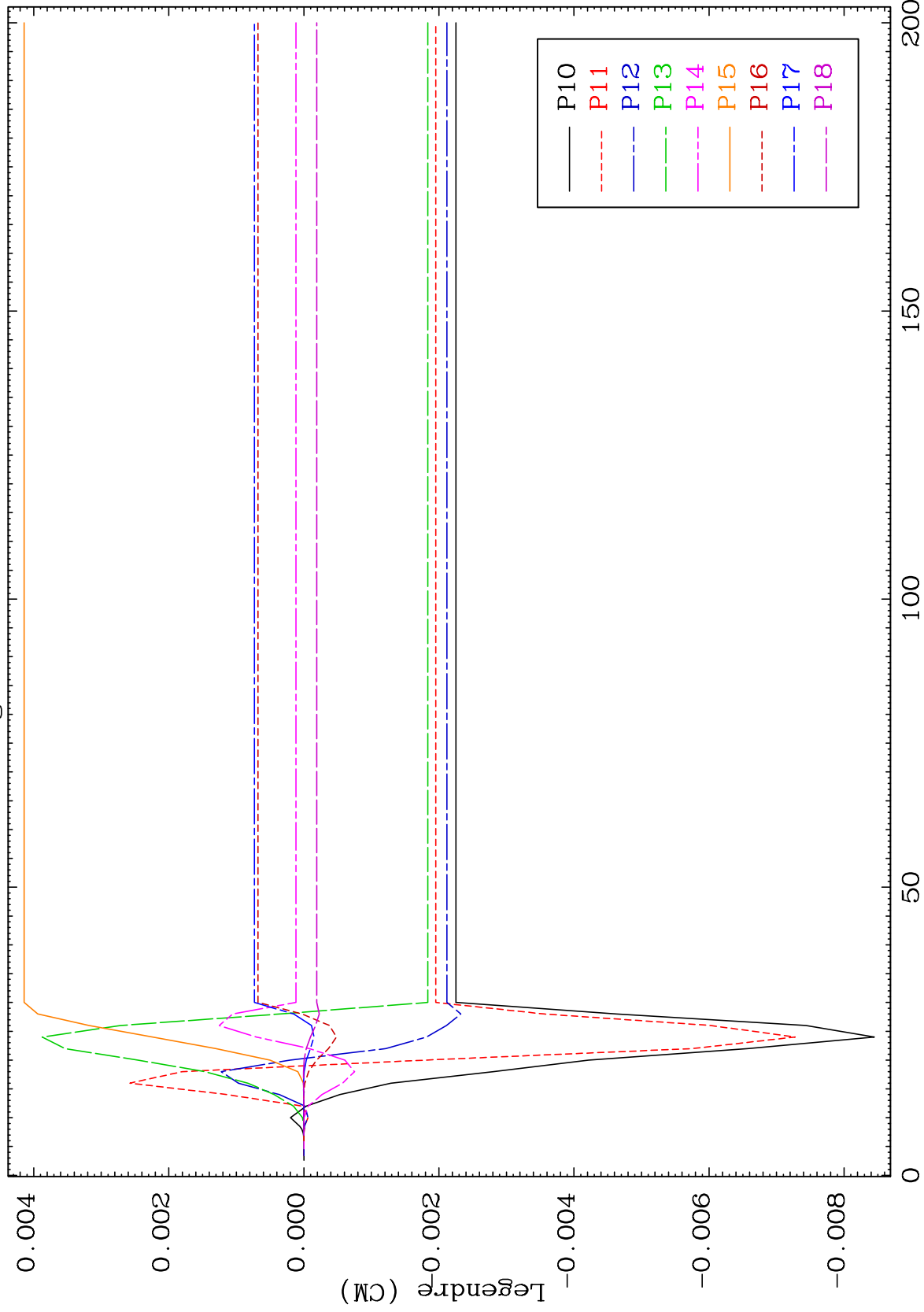
Incident Energy (MeV)

109

MAT 5343

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

53-I -133

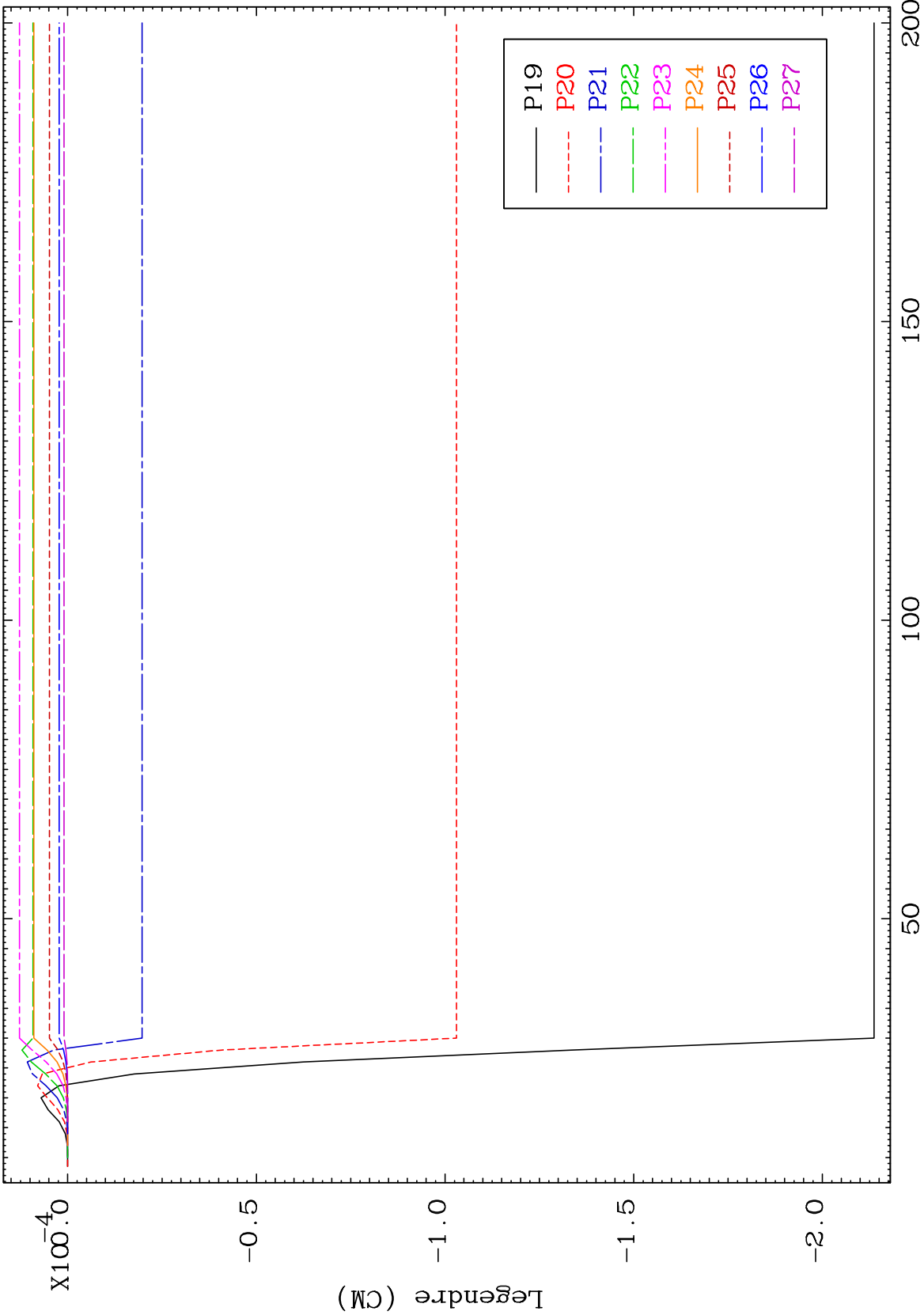


110

Incident Energy (MeV)

53-I -133

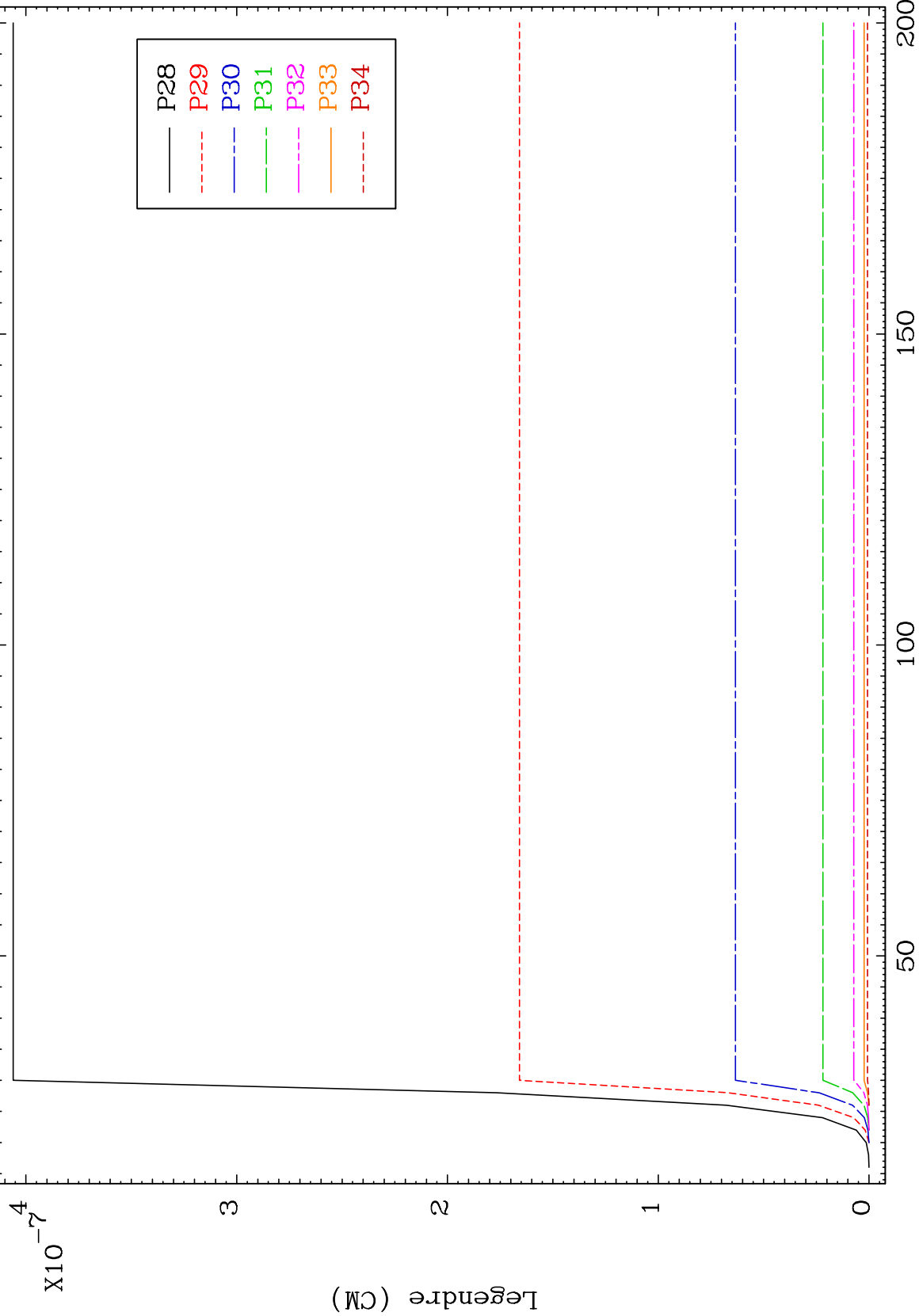
Legendre Coefficients



MAT 5343

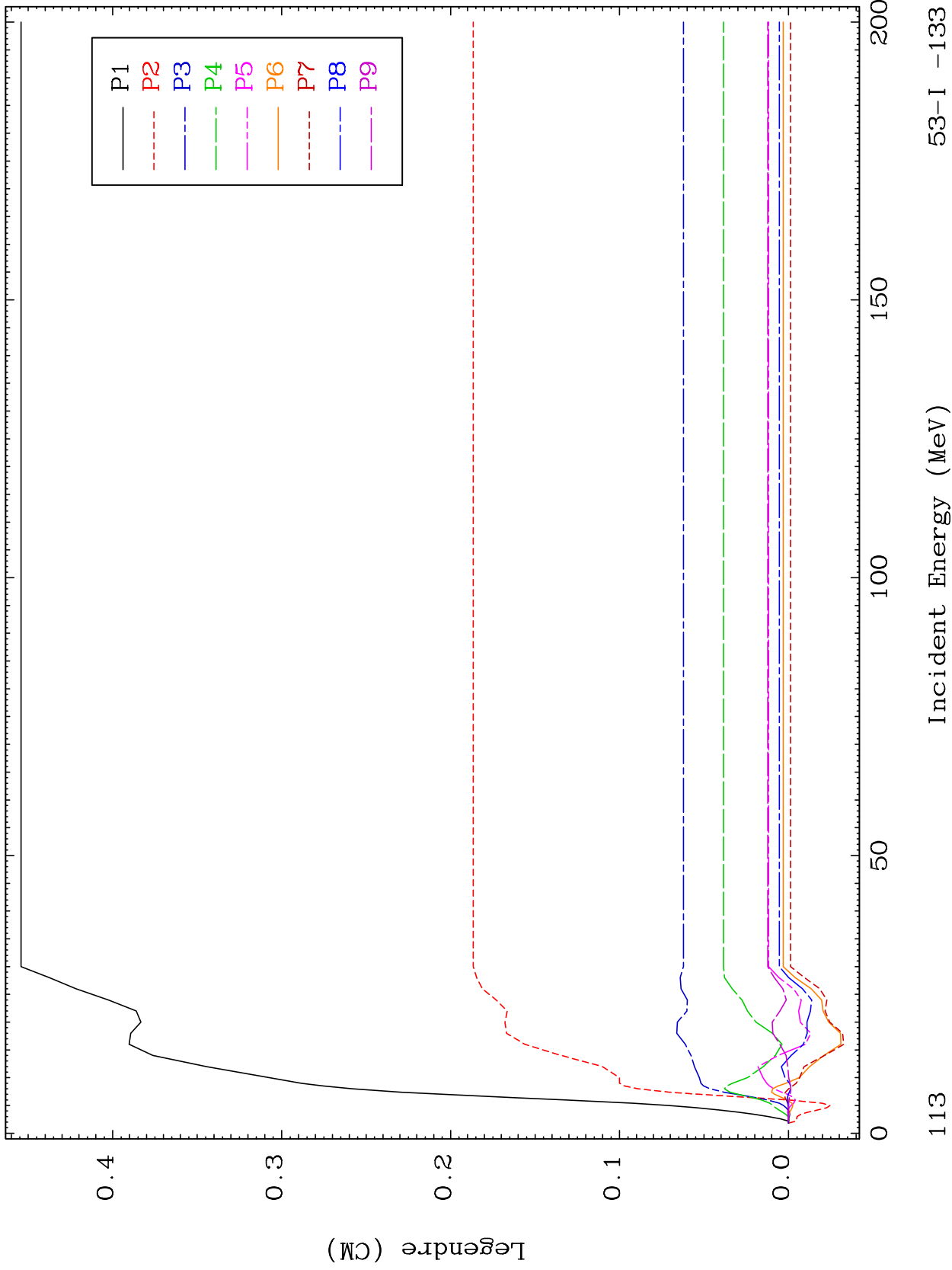
MT= 73 (n,n') Level
Legendre Coefficients

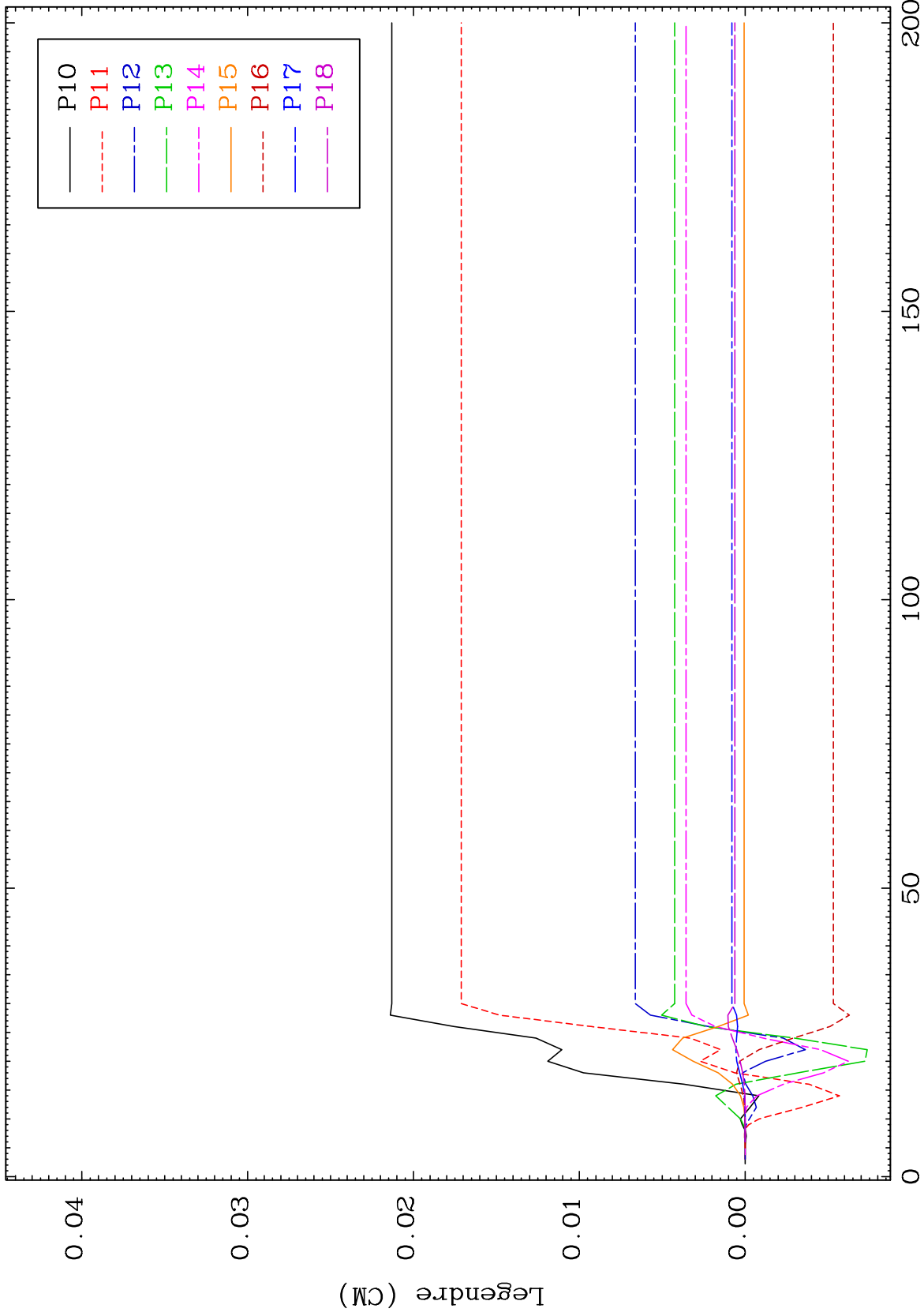
53-I -133

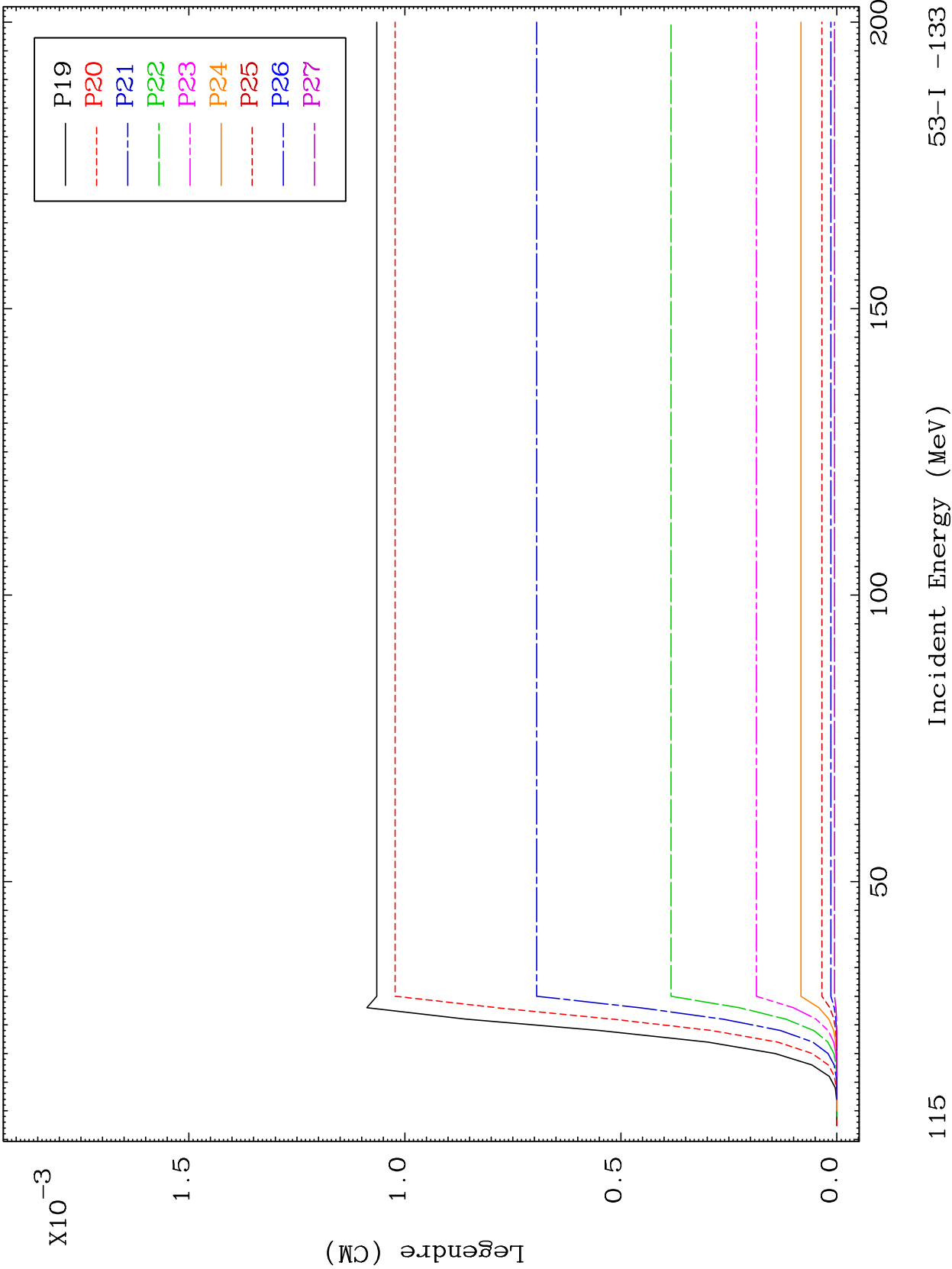


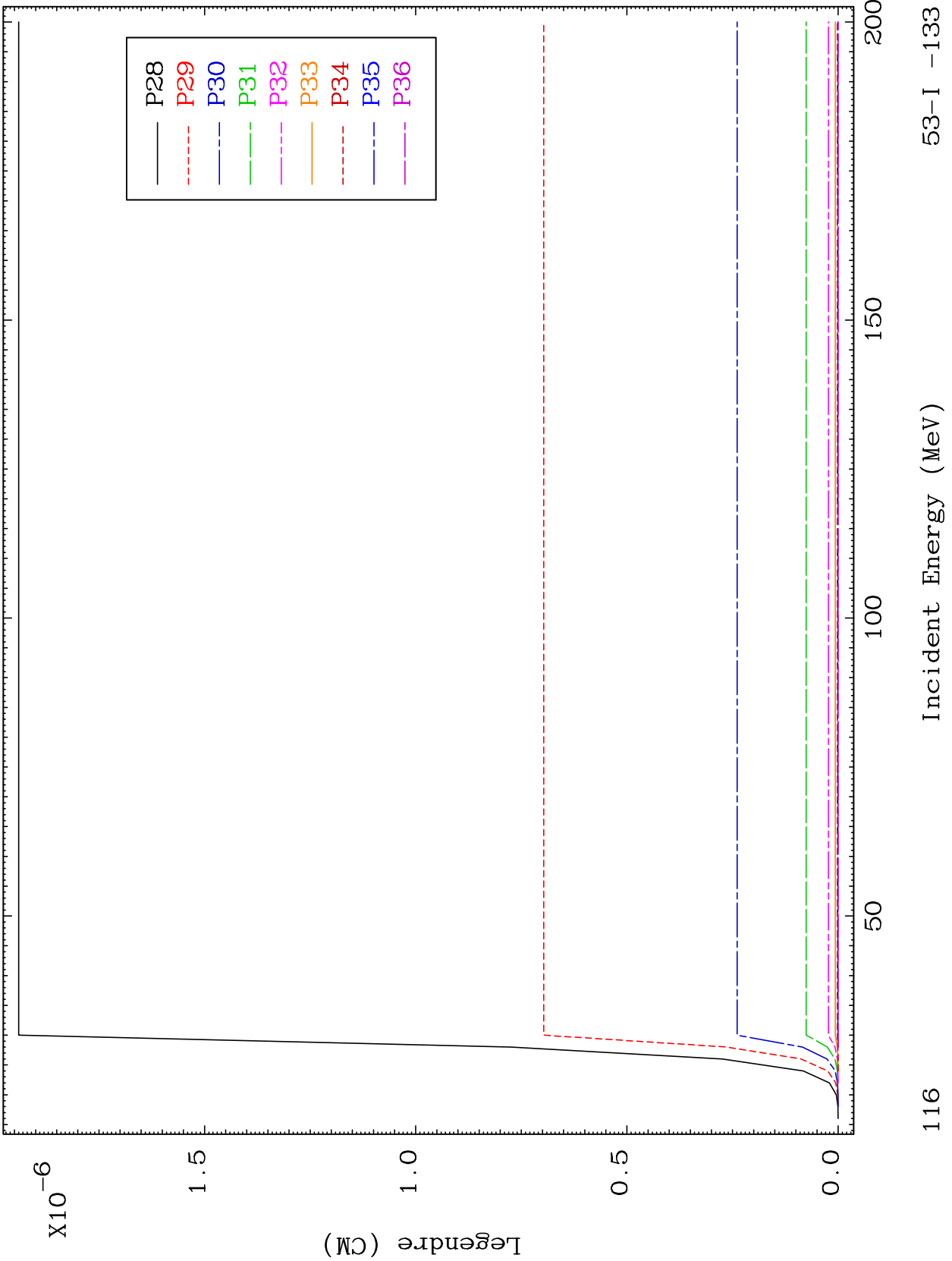
112

53-I -133





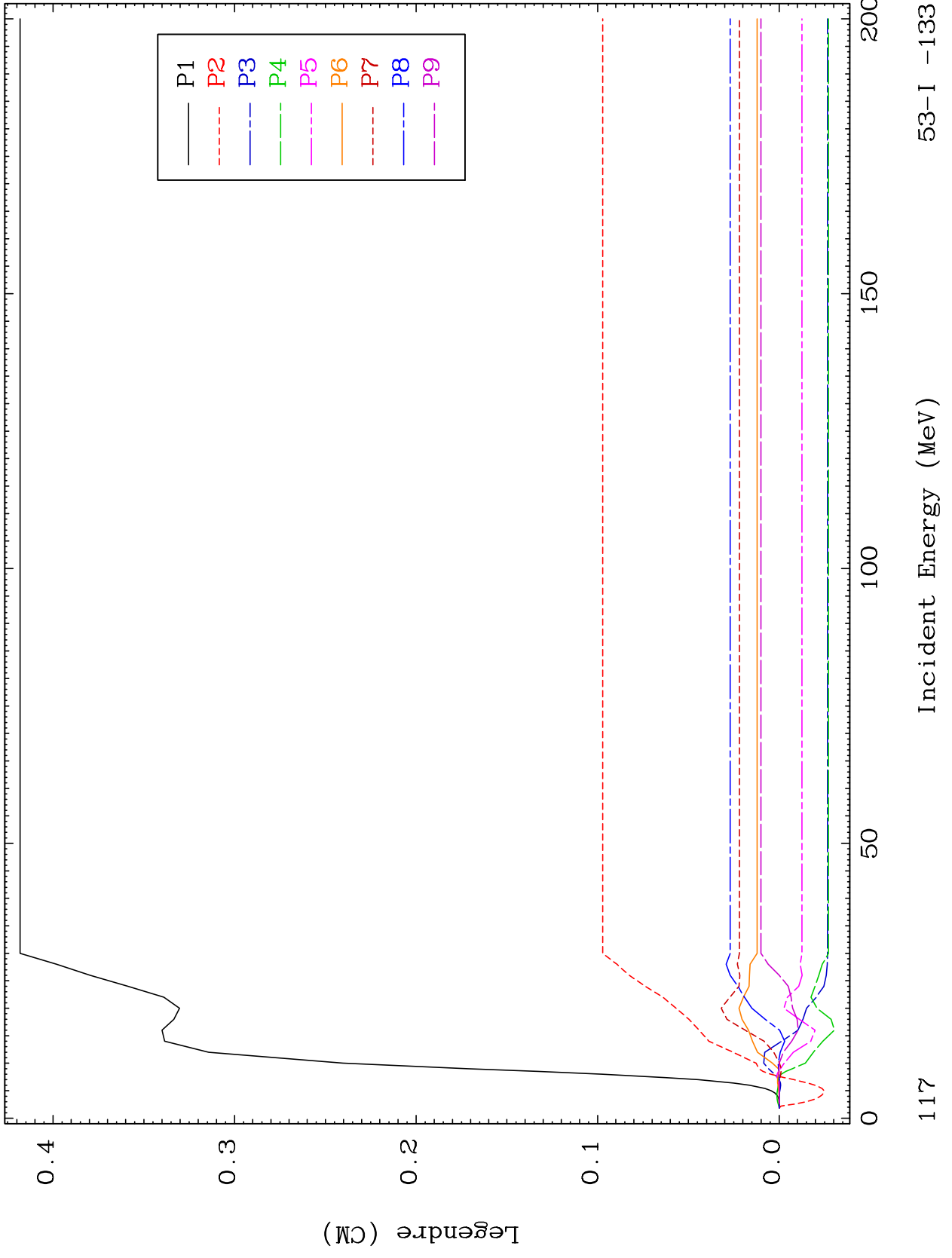




MAT 5343

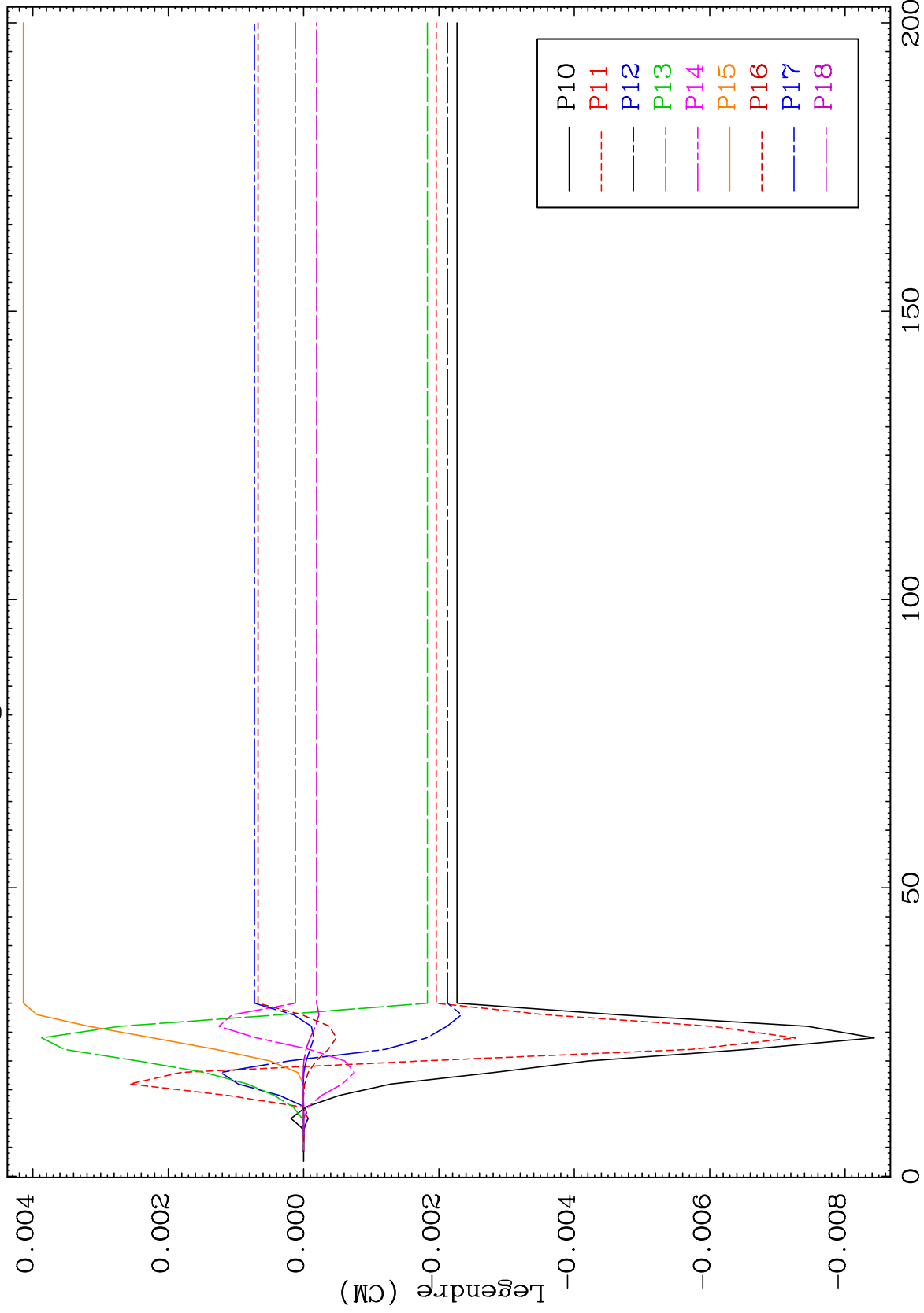
MT= 75 (n,n') Level
Legendre Coefficients

53-I -133

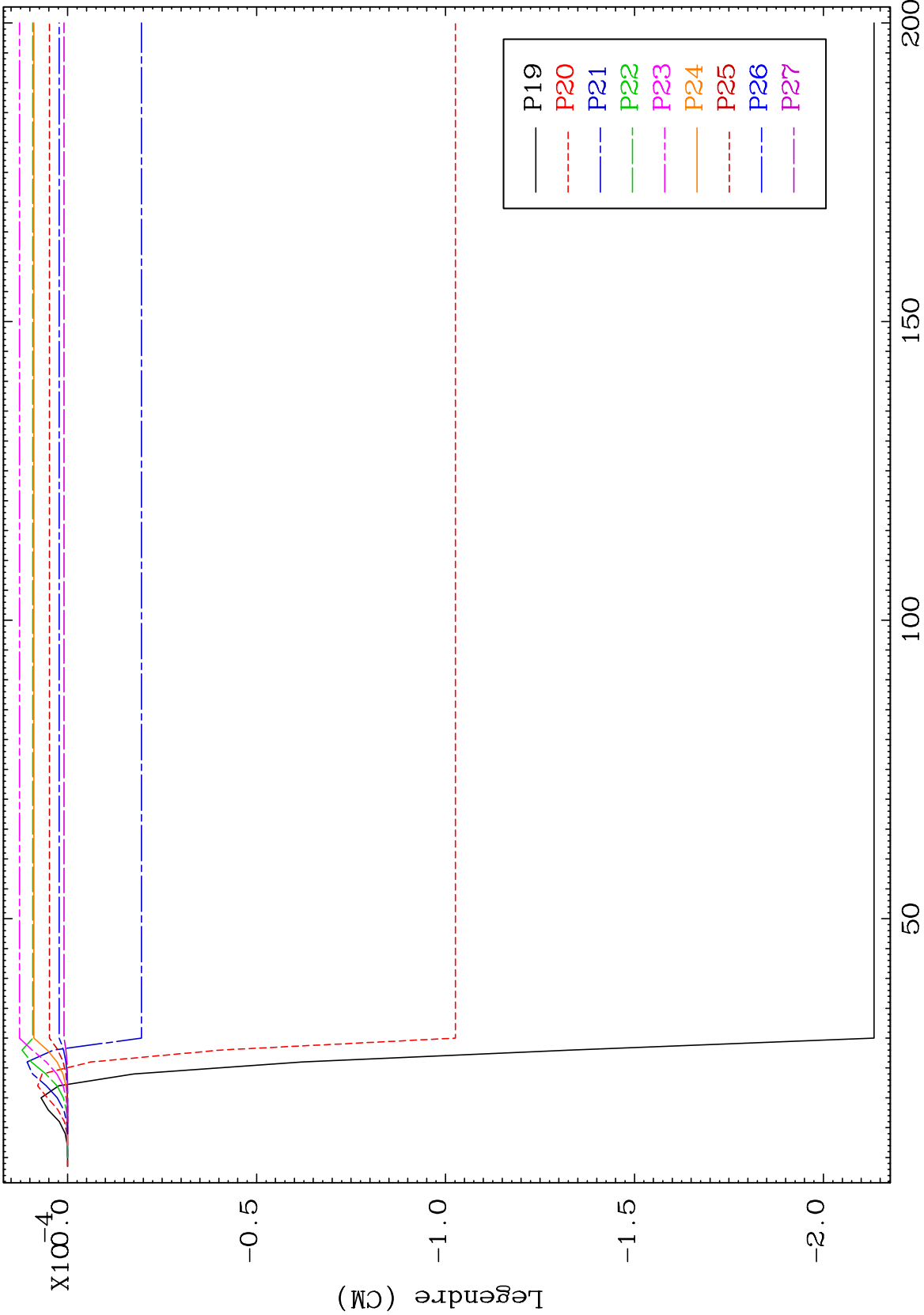


117

53-I -133



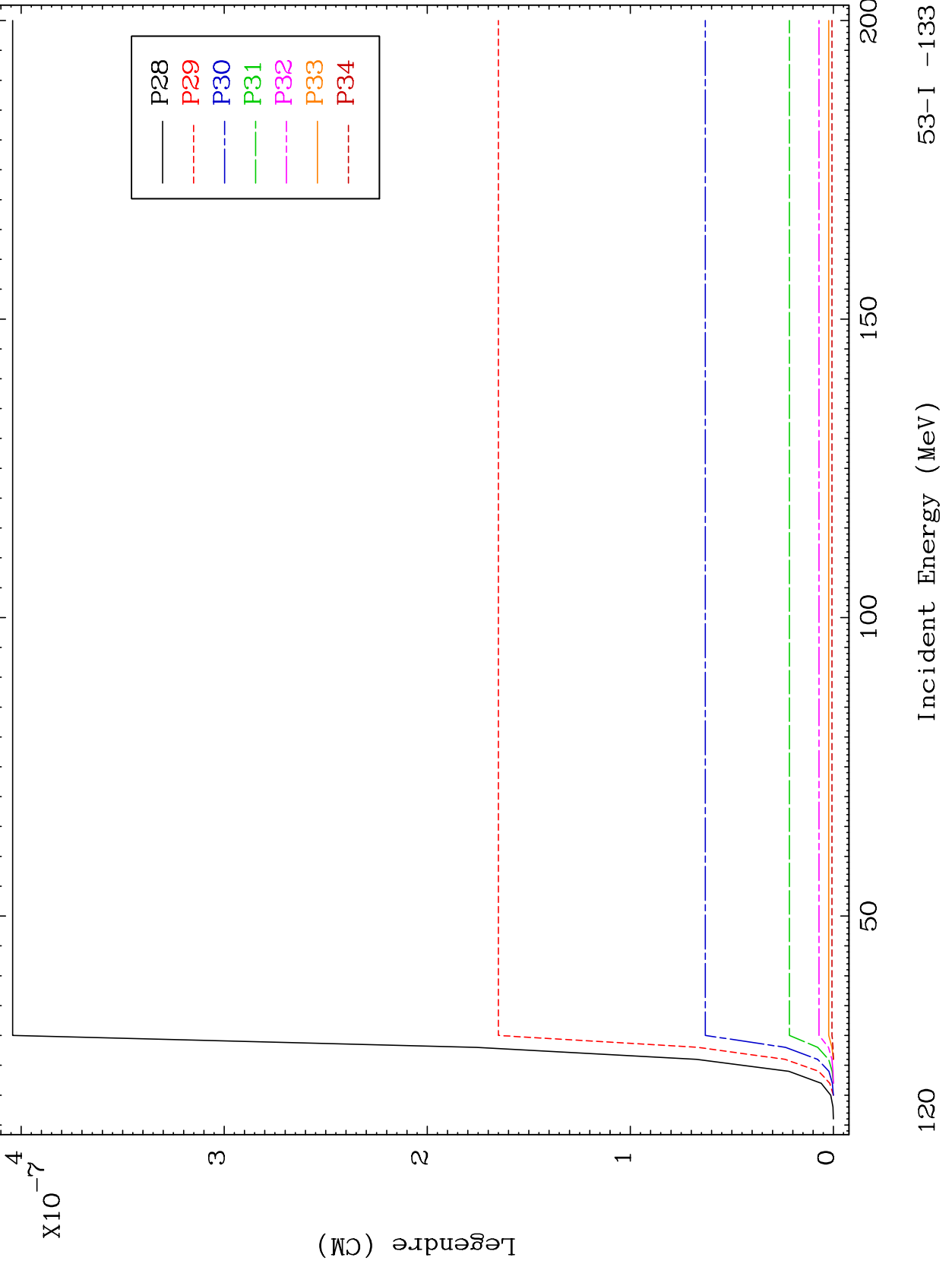
Legendre Coefficients

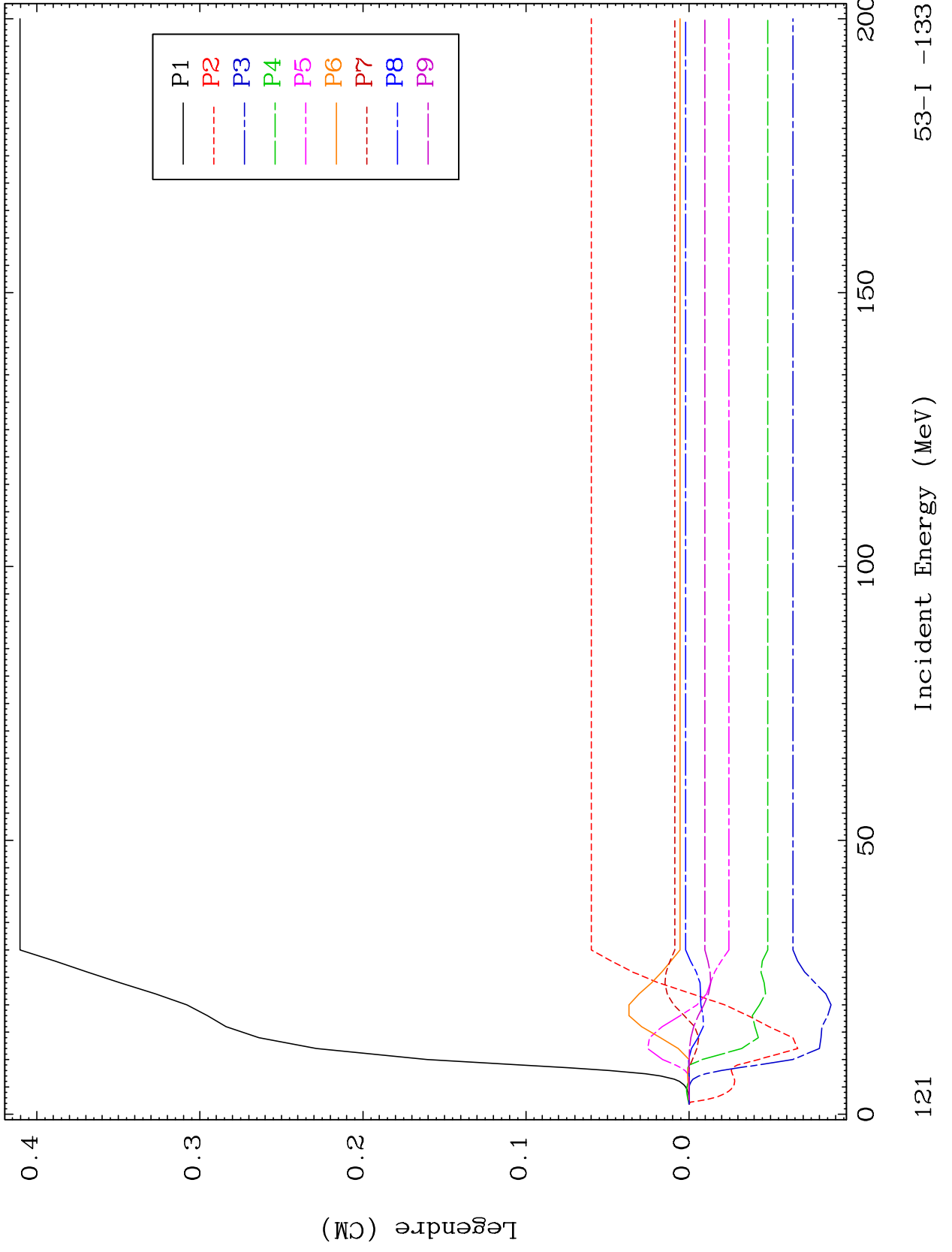


MAT 5343

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

53-I -133

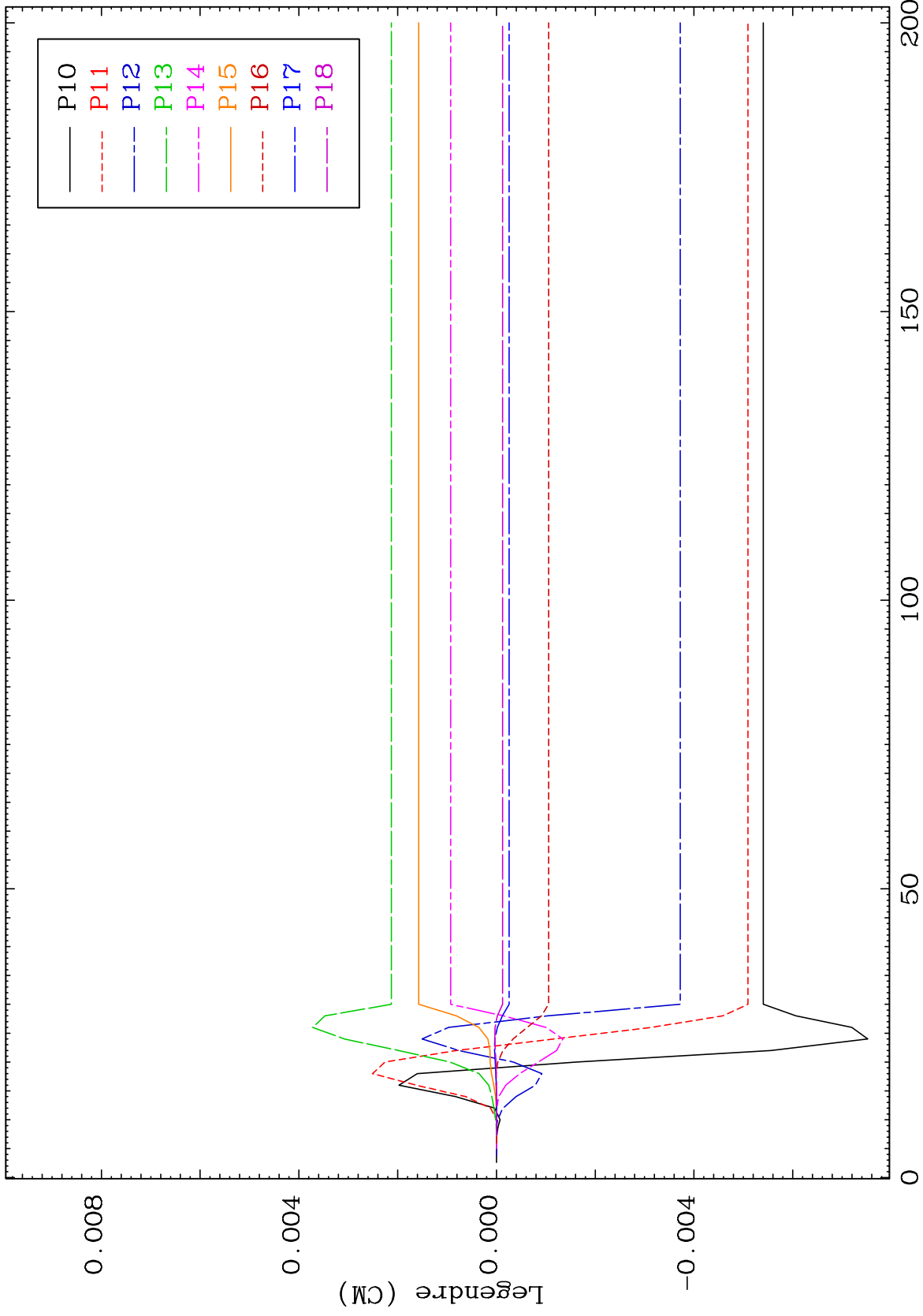




MAT 5343

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

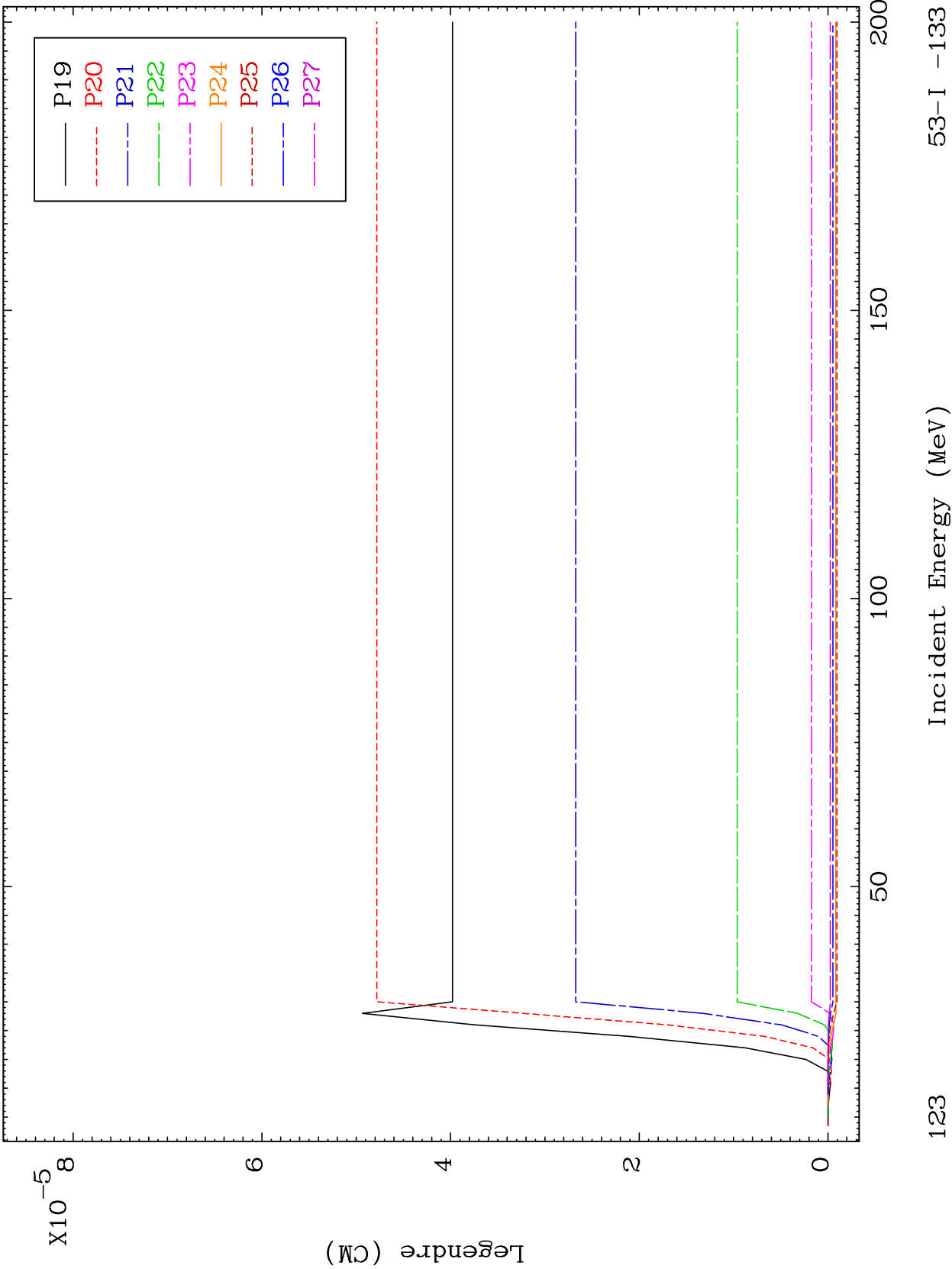
53-I -133



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Incident Energy (MeV)

53-I -133

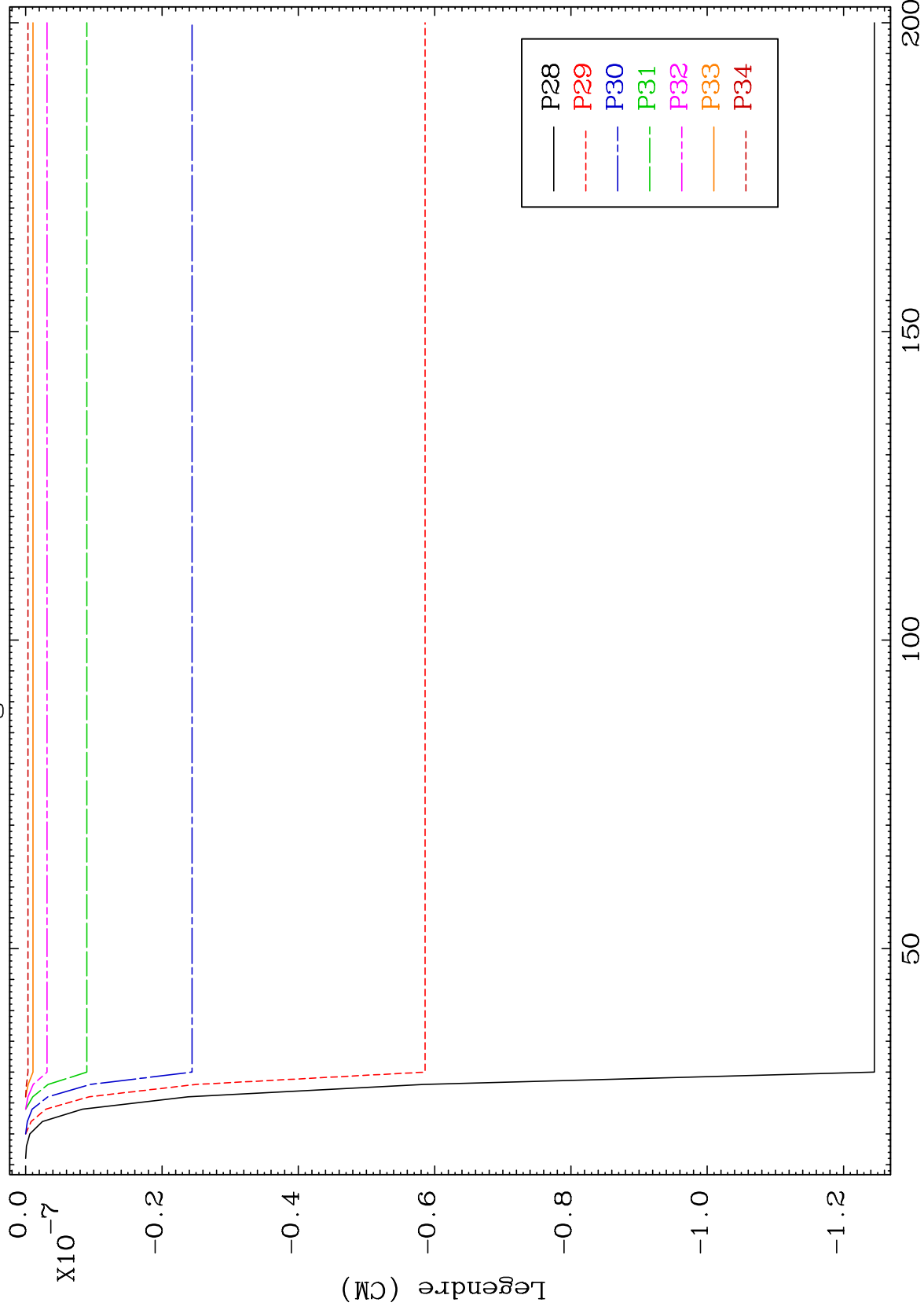


MAT 5343

MT= 76 (n,n') Level

53-I -133

Legendre Coefficients



124

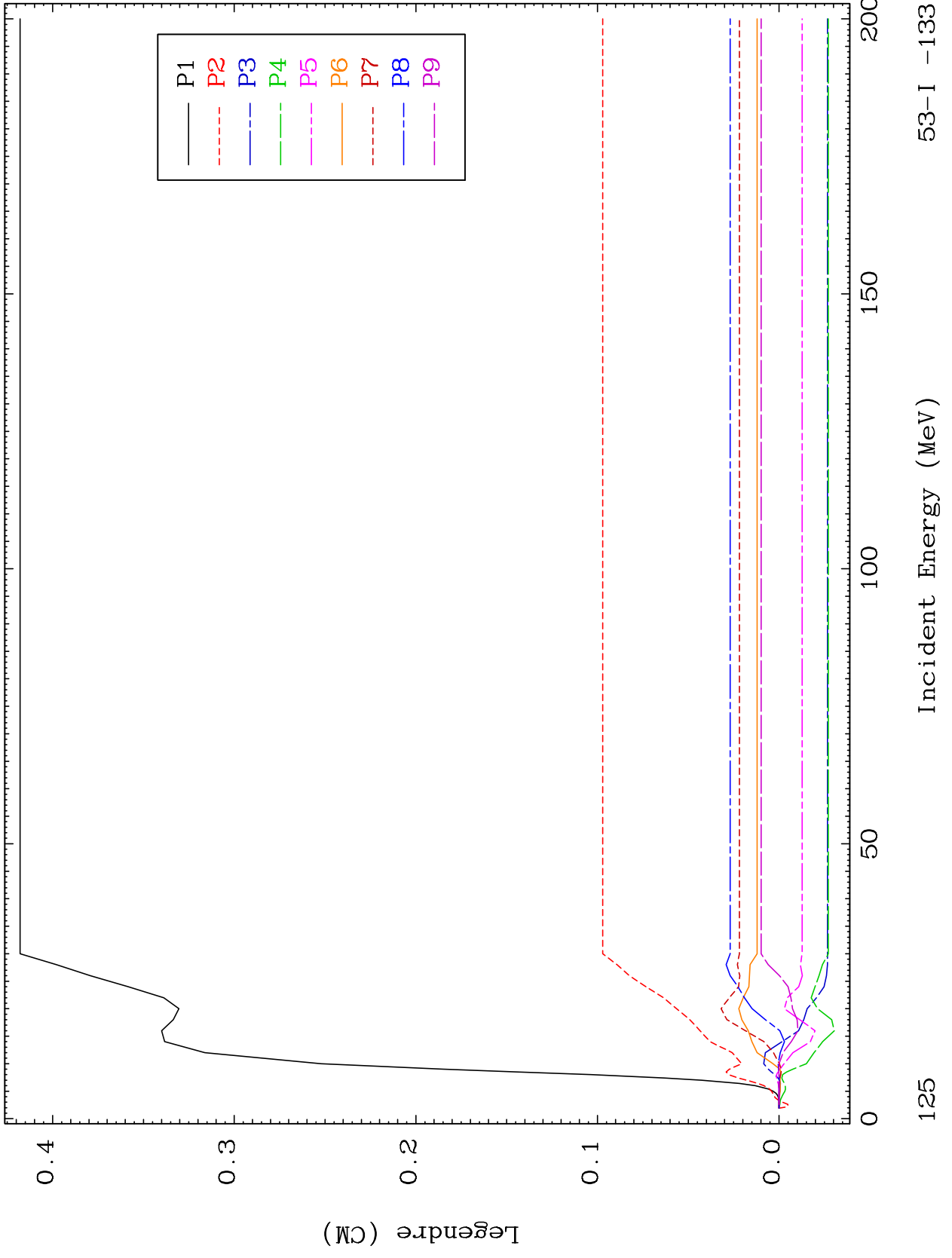
Incident Energy (MeV)

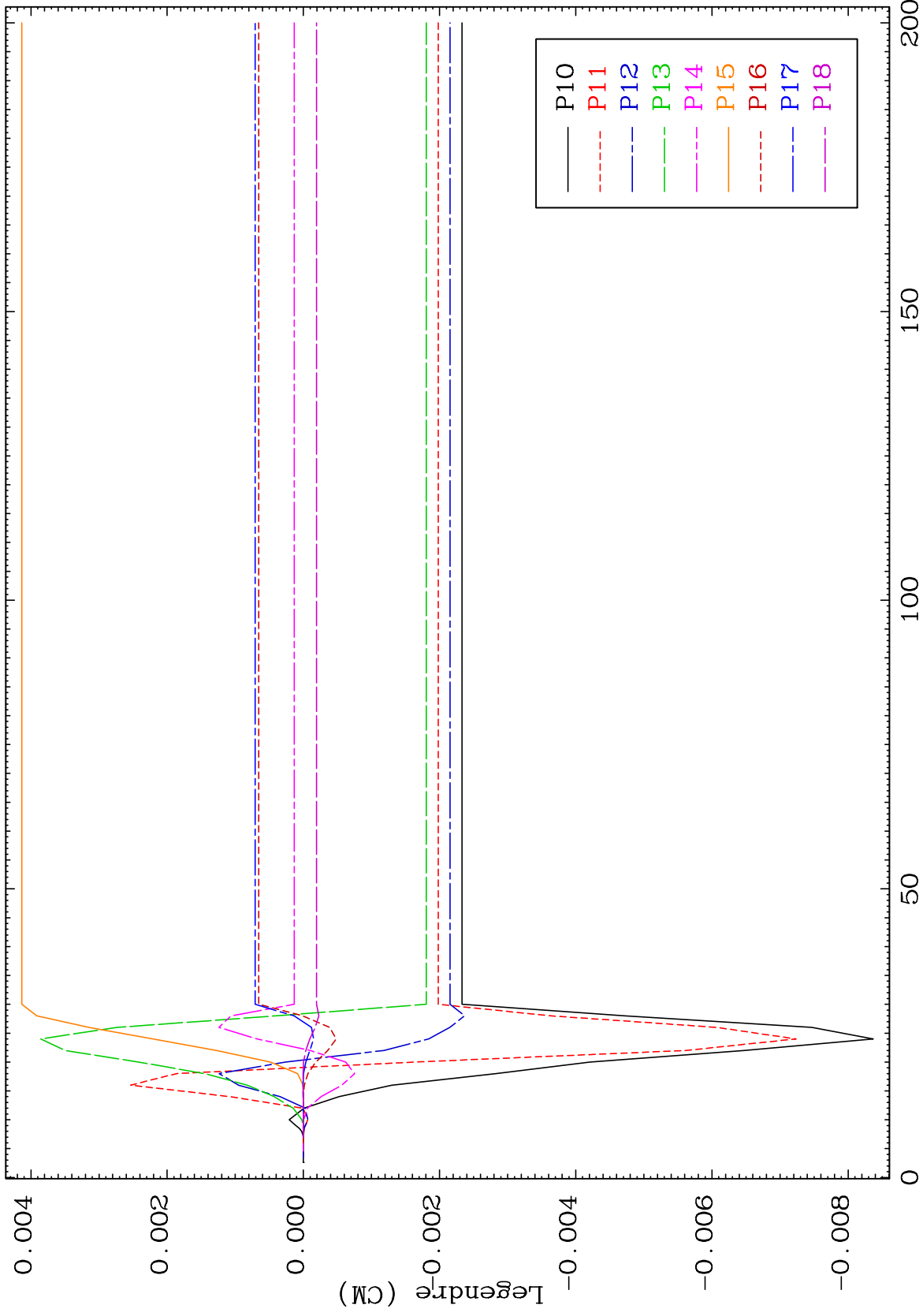
53-I -133

MAT 5343

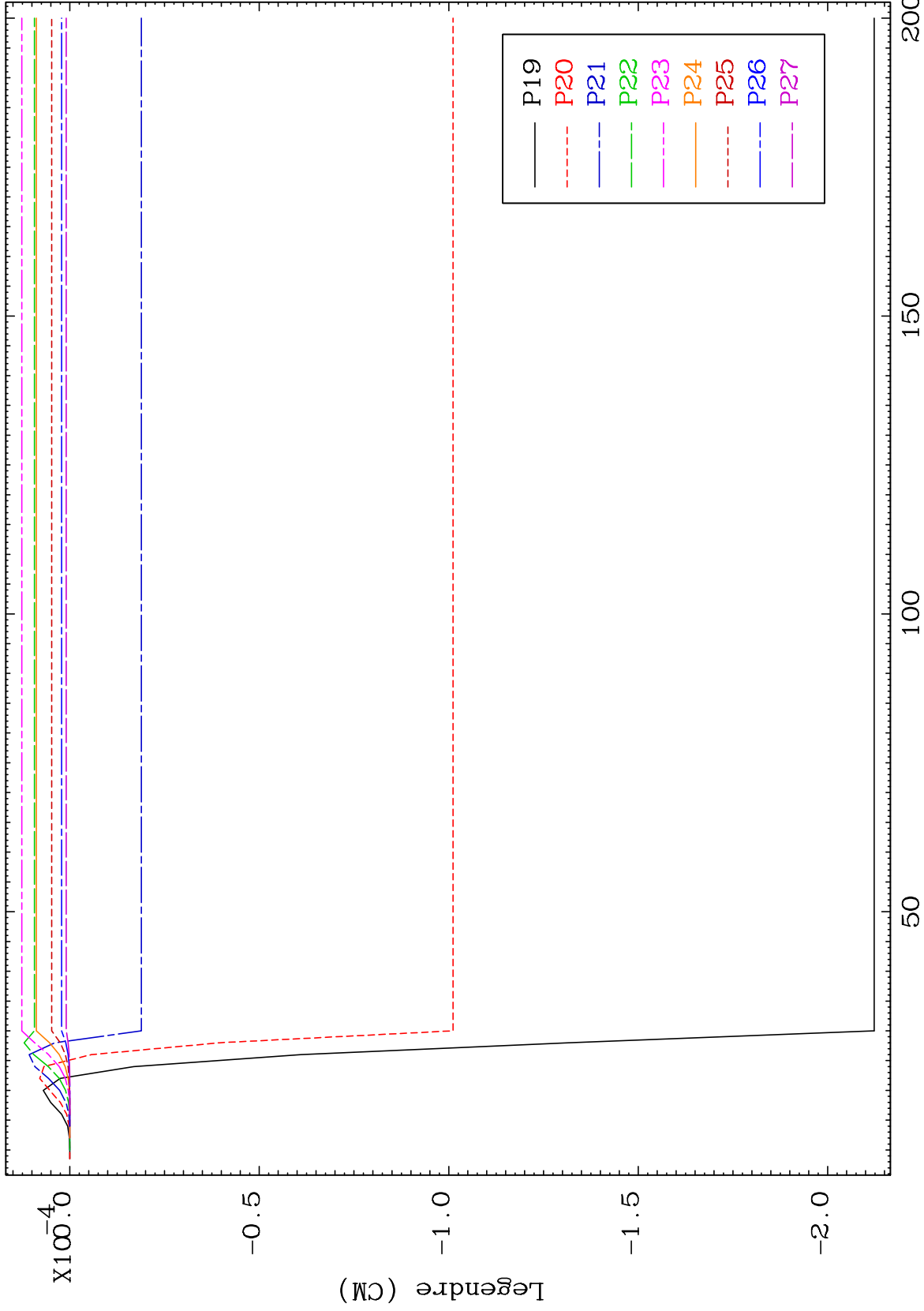
MT= 77 (n,n') Level
Legendre Coefficients

53-I -133





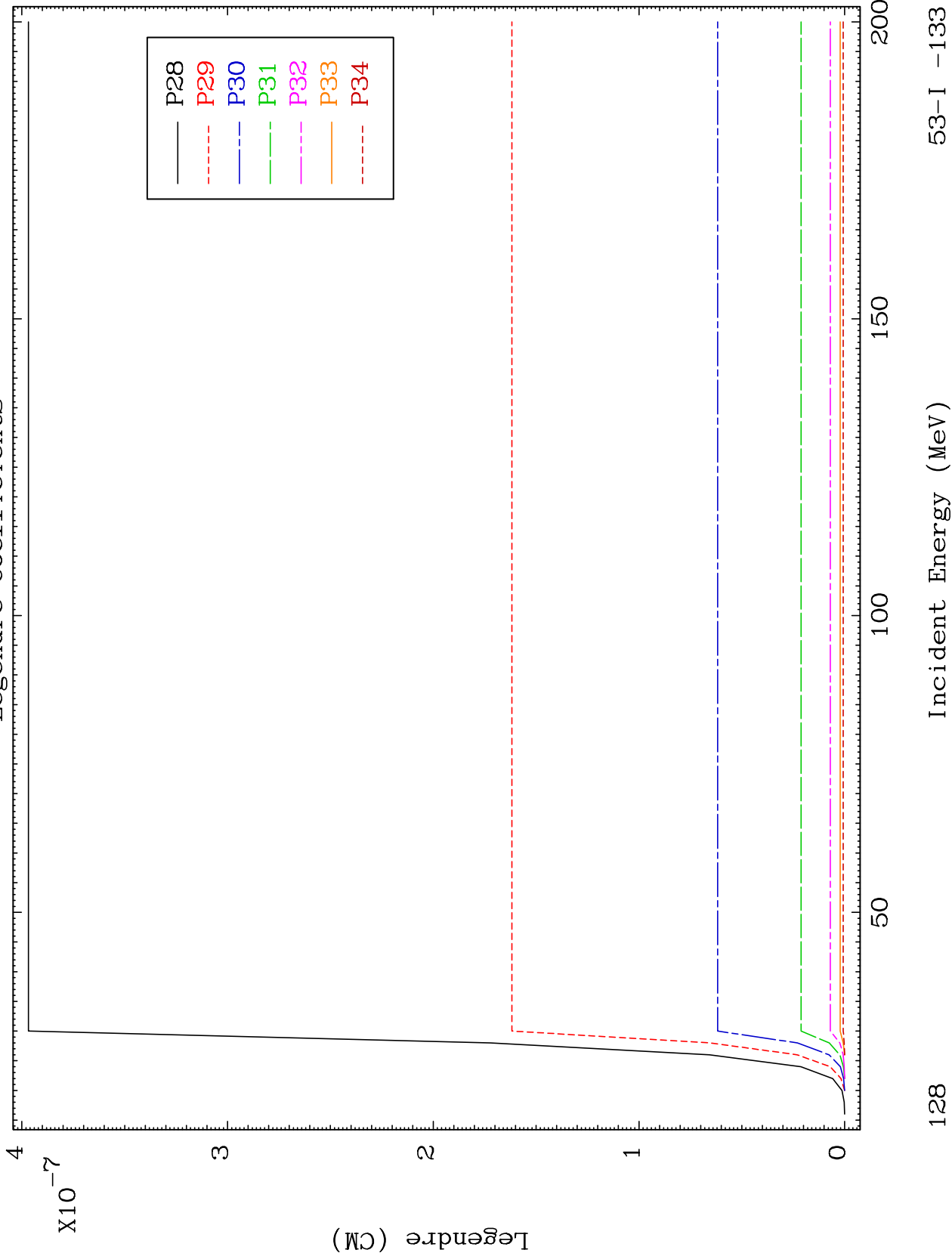
Legendre Coefficients



MAT 5343

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

53-I -133



128

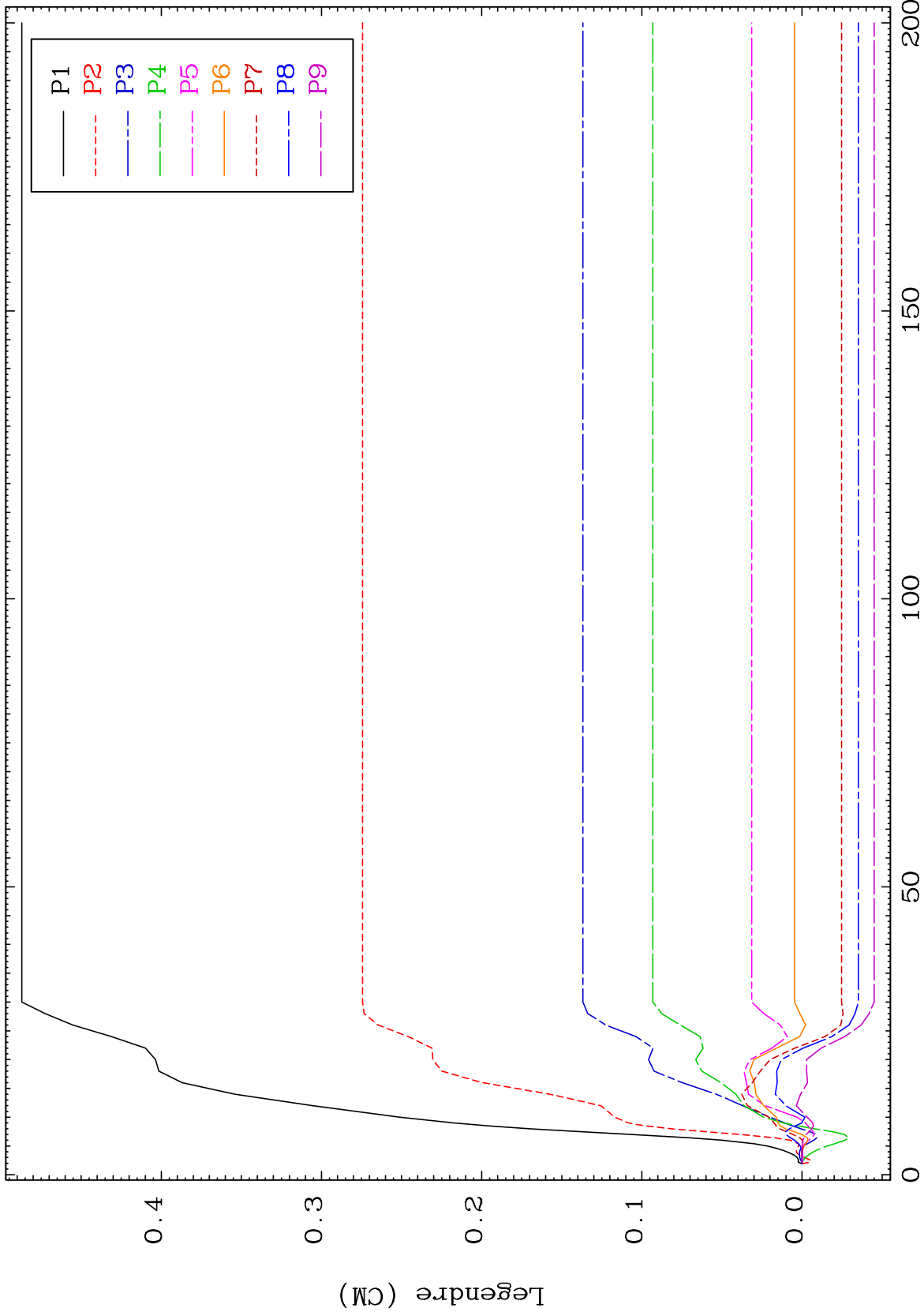
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



129

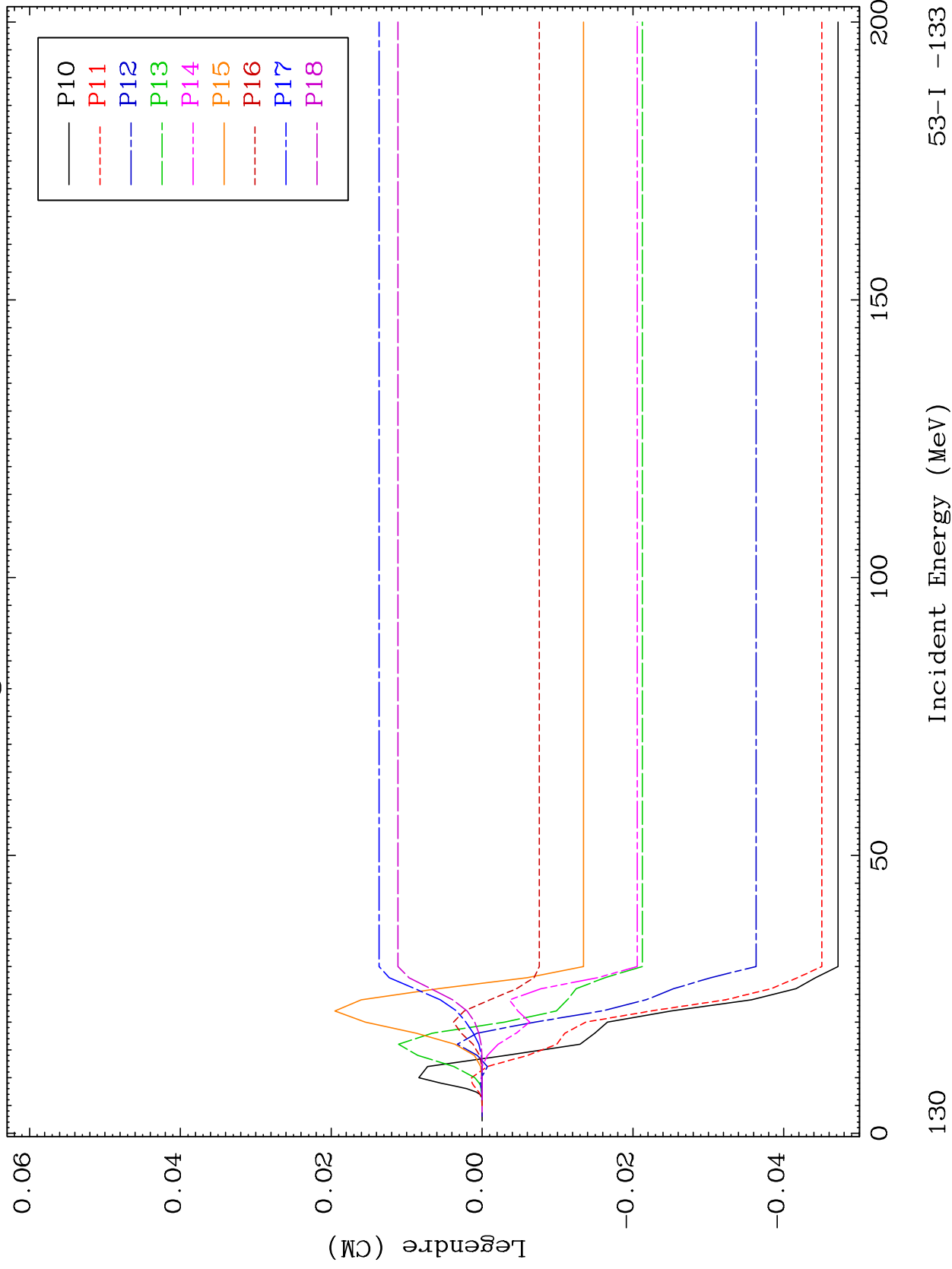
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



130

Incident Energy (MeV)

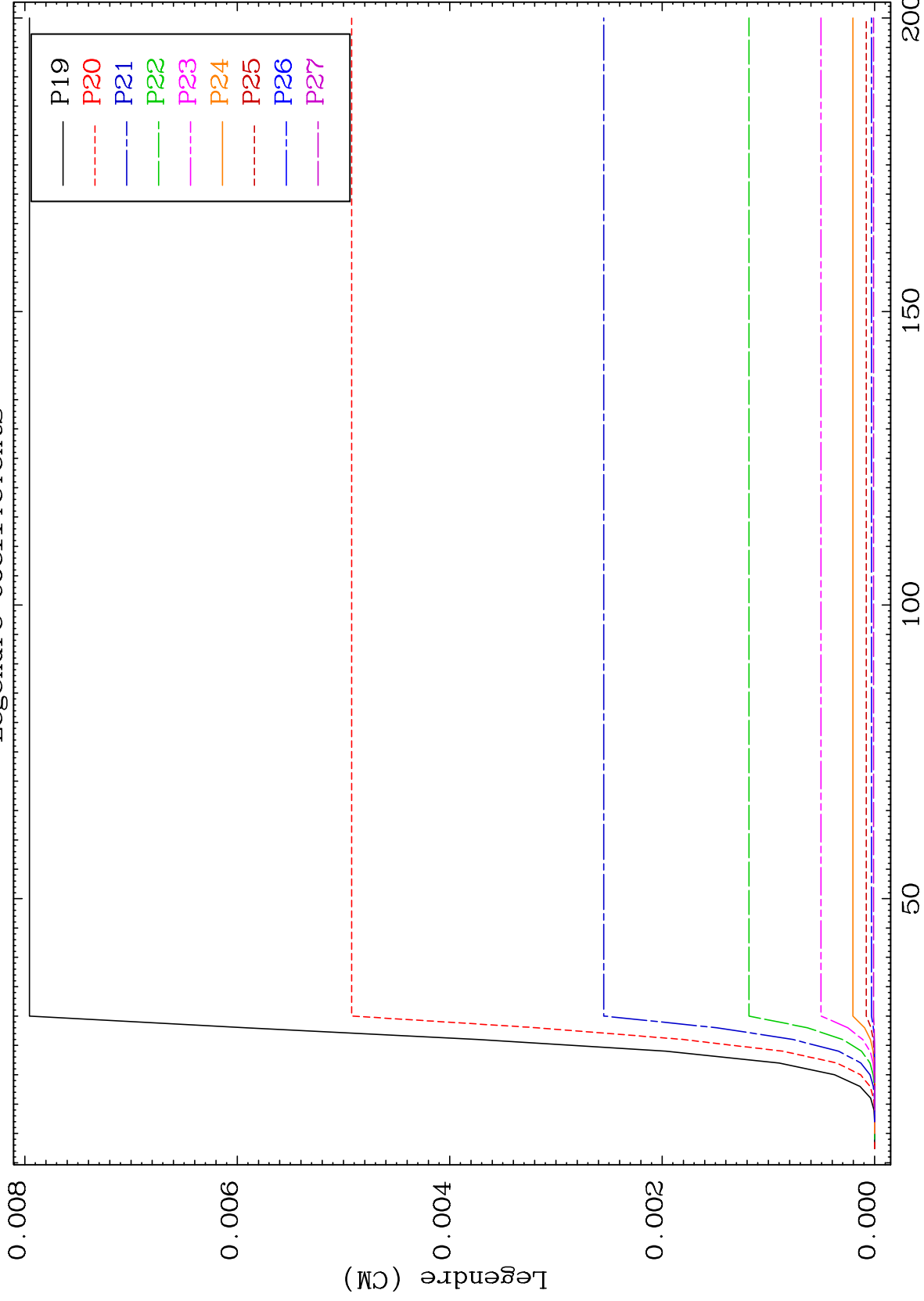
53-I -133

MAT 5343

MT= 78 (n,n') Level

53-I -133

Legendre Coefficients



131

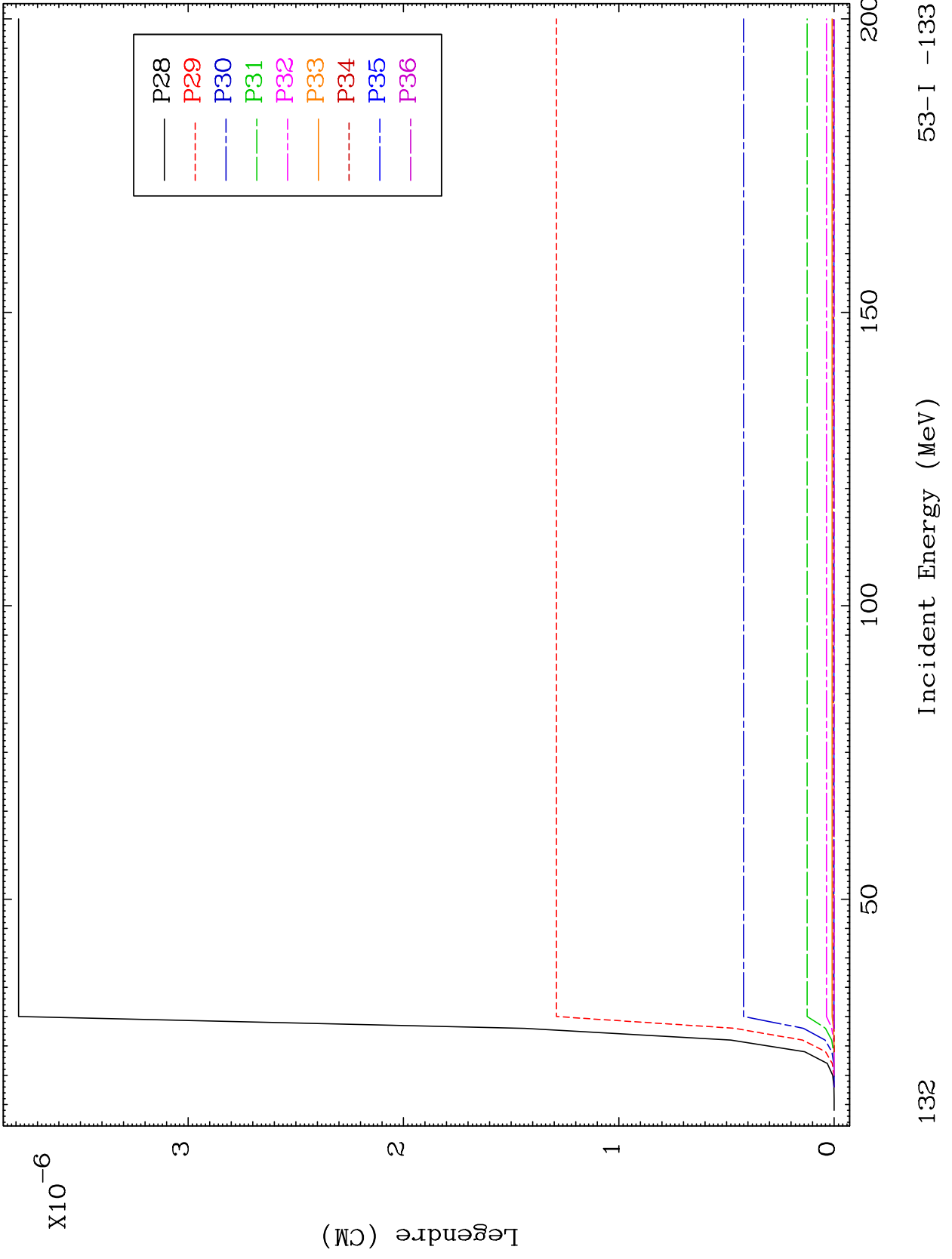
Incident Energy (MeV)

53-I -133

MAT 5343

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

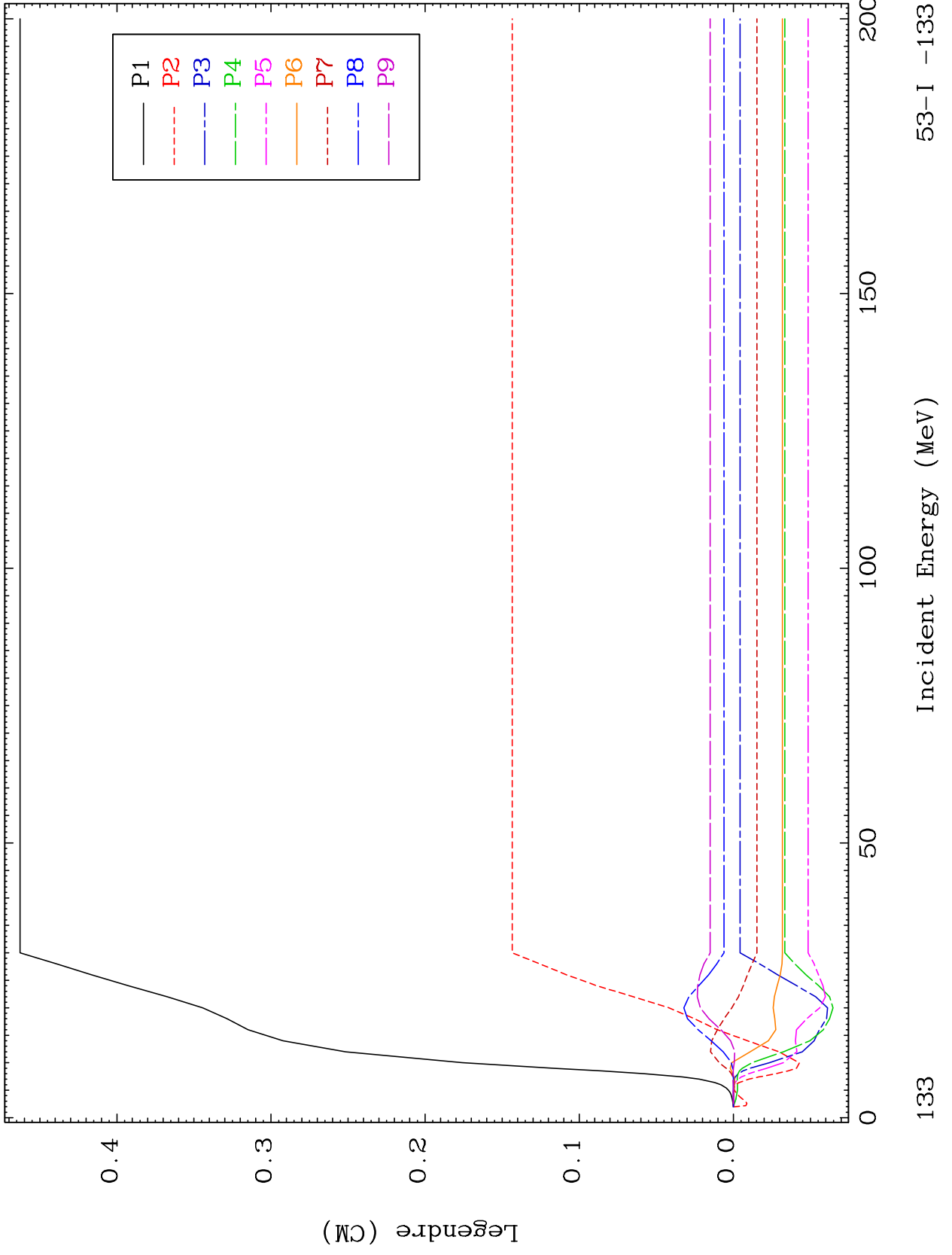
53-I -133



132

Incident Energy (MeV)

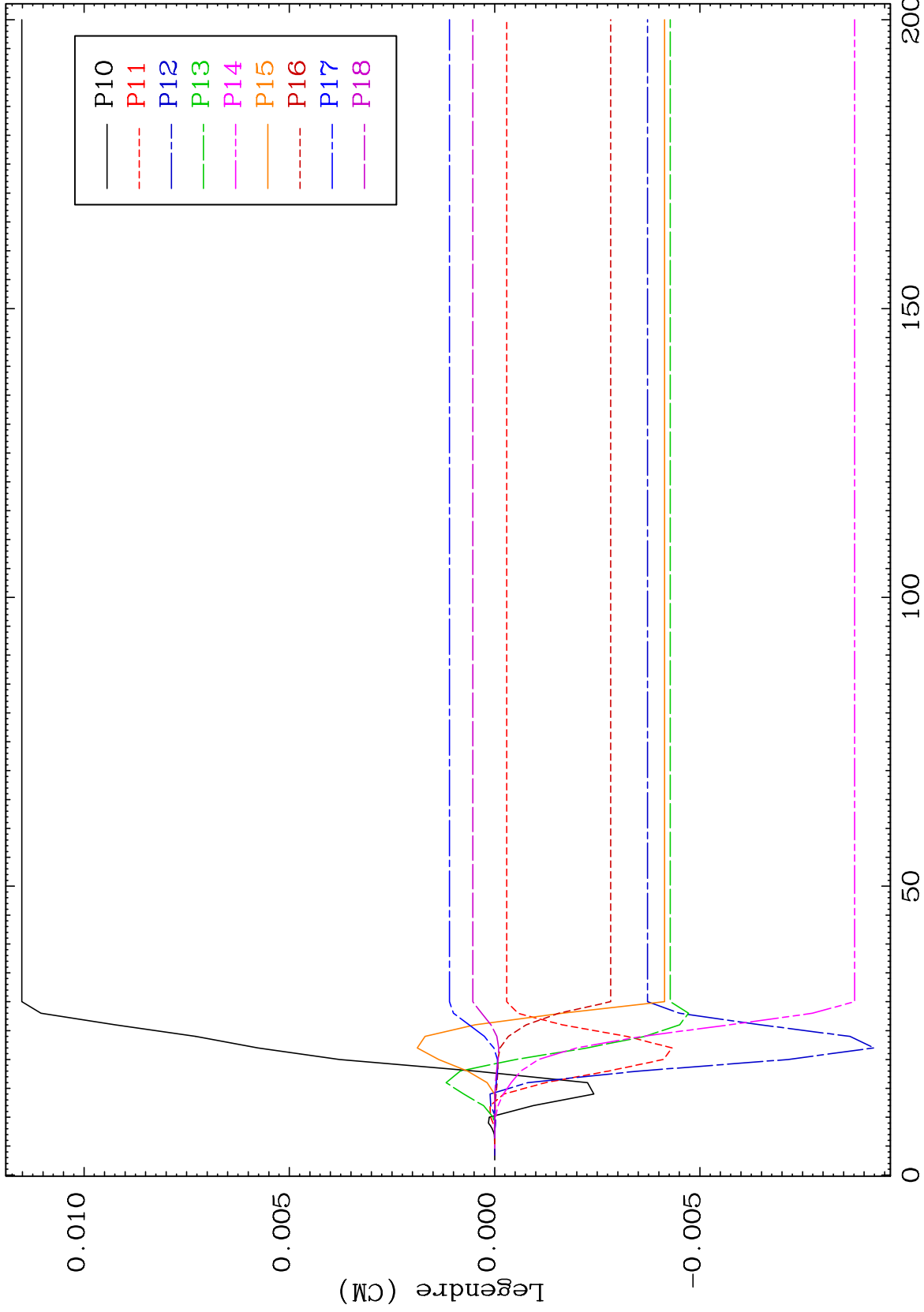
53-I -133



MAT 5343

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

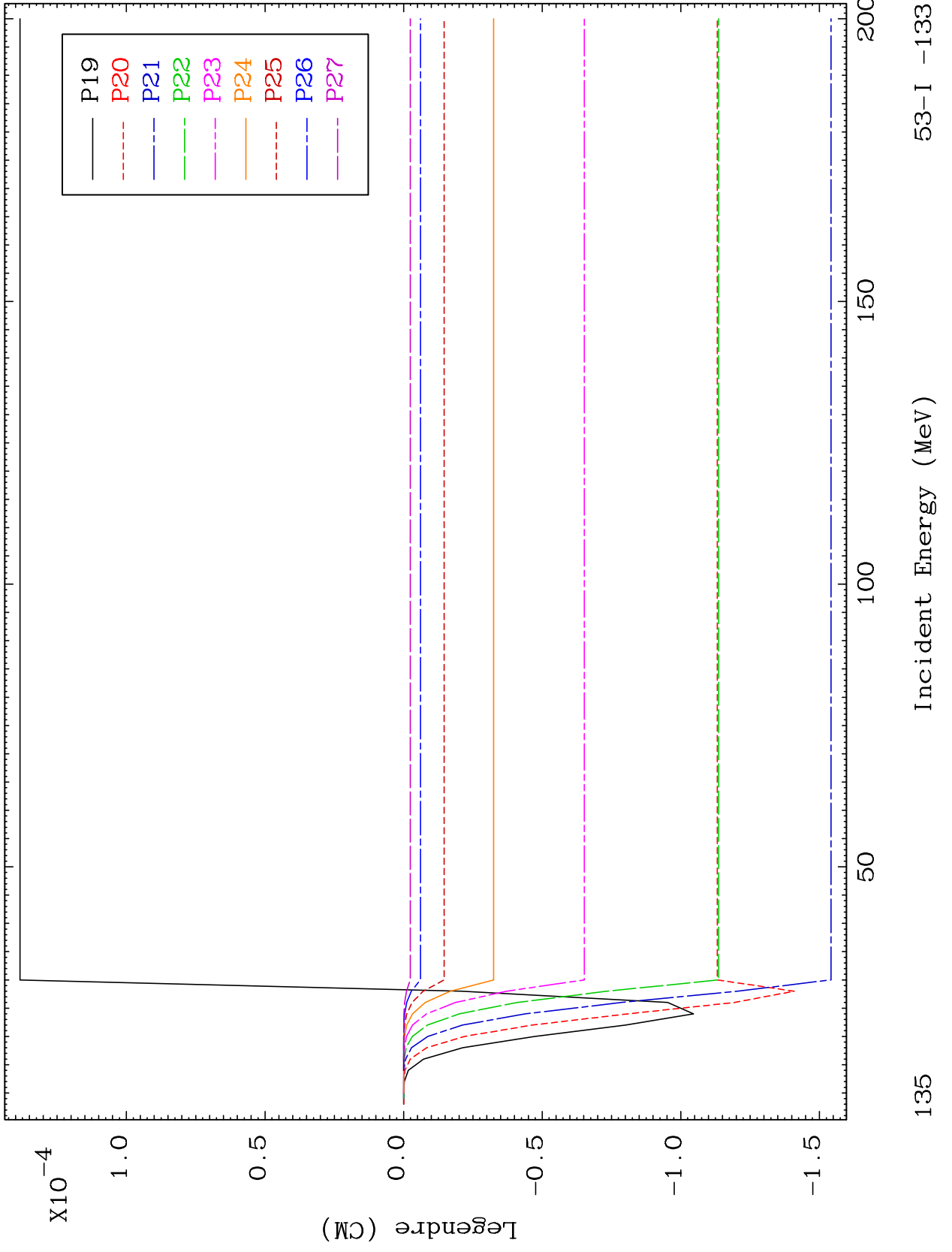
53-I -133



134

Incident Energy (MeV)

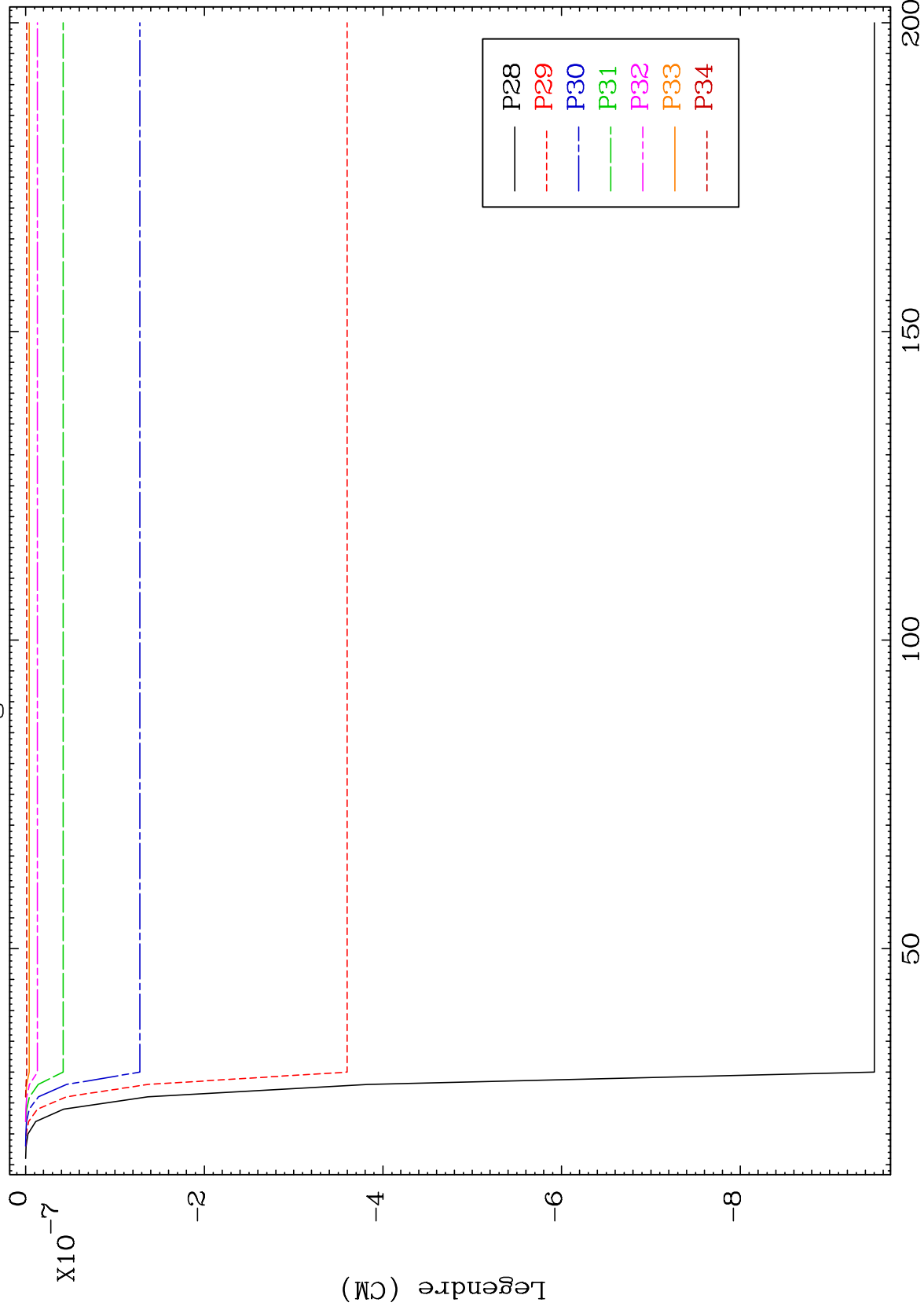
53-I -133



MAT 5343

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

53-I -133



136

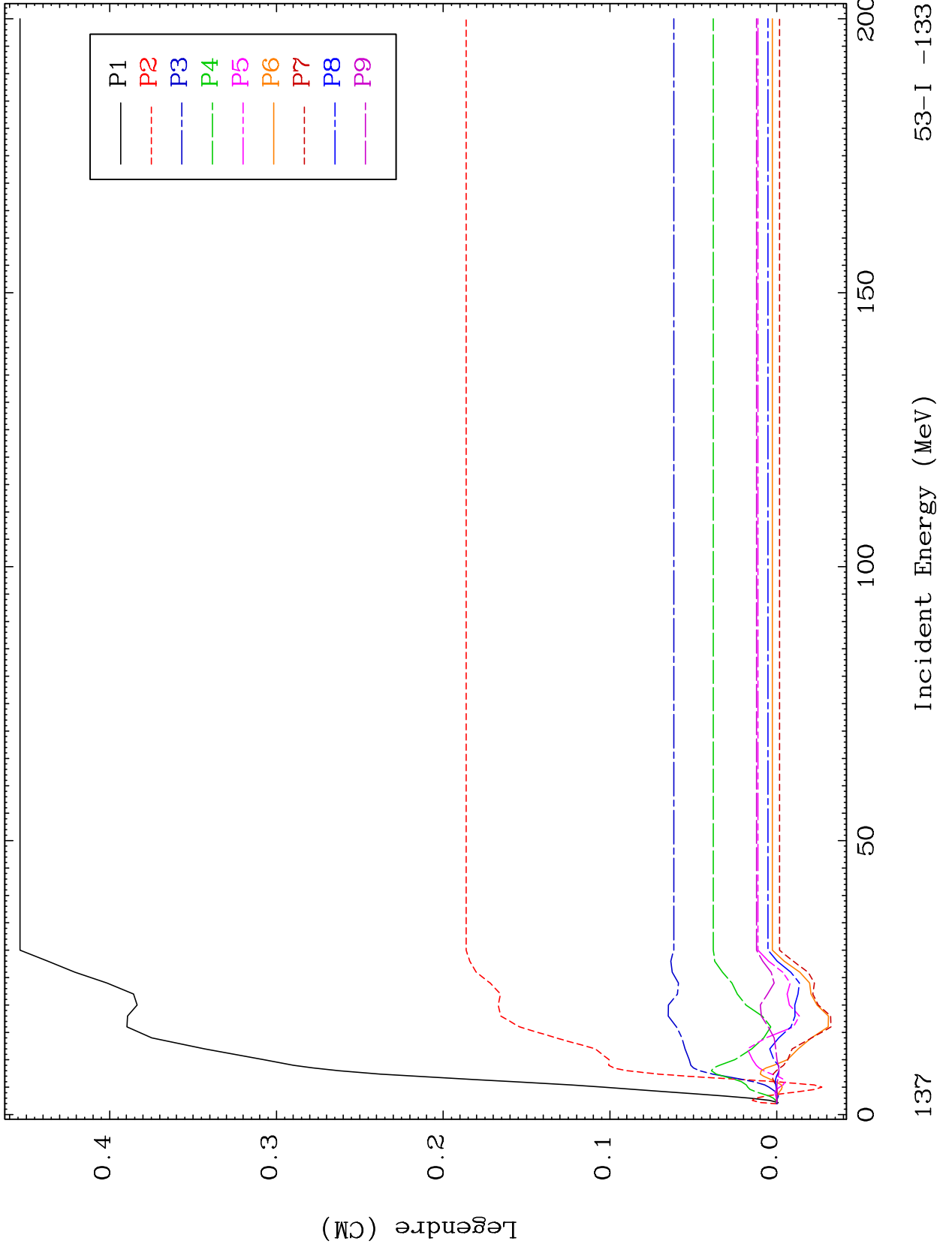
Incident Energy (MeV)

53-I -133

MAT 5343

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

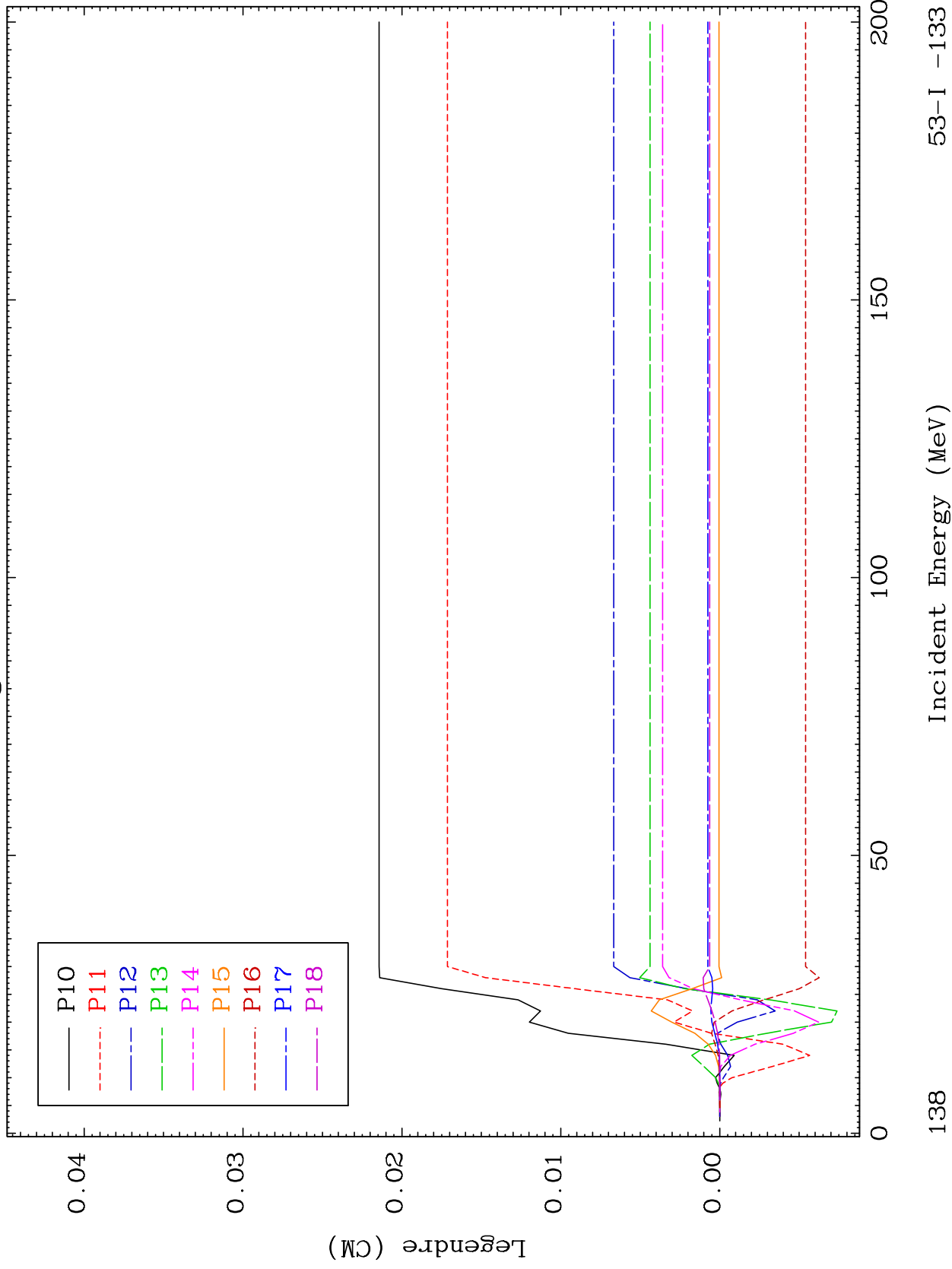
53-I -133

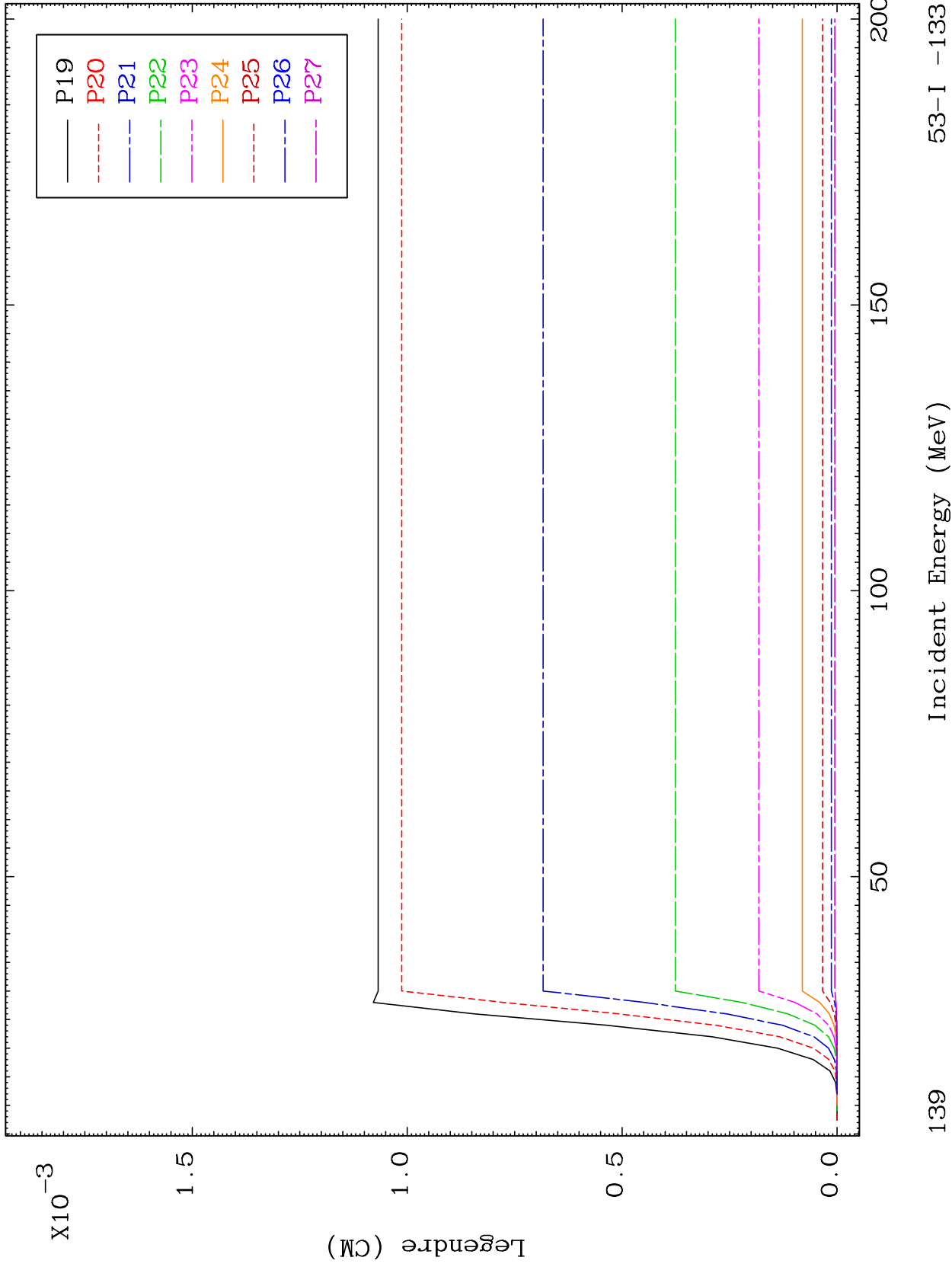


53-I -133

Incident Energy (MeV)

137

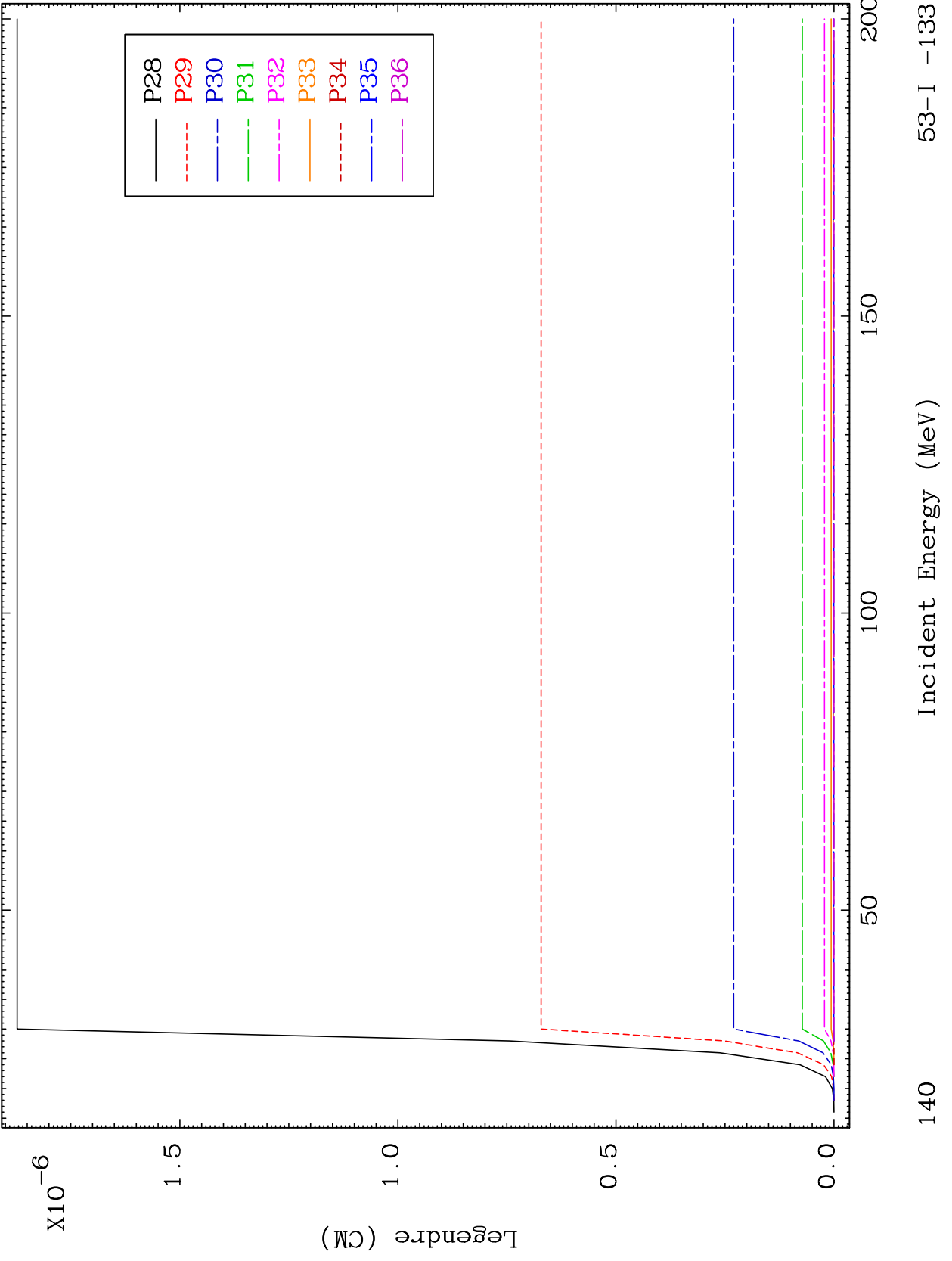




MAT 5343

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

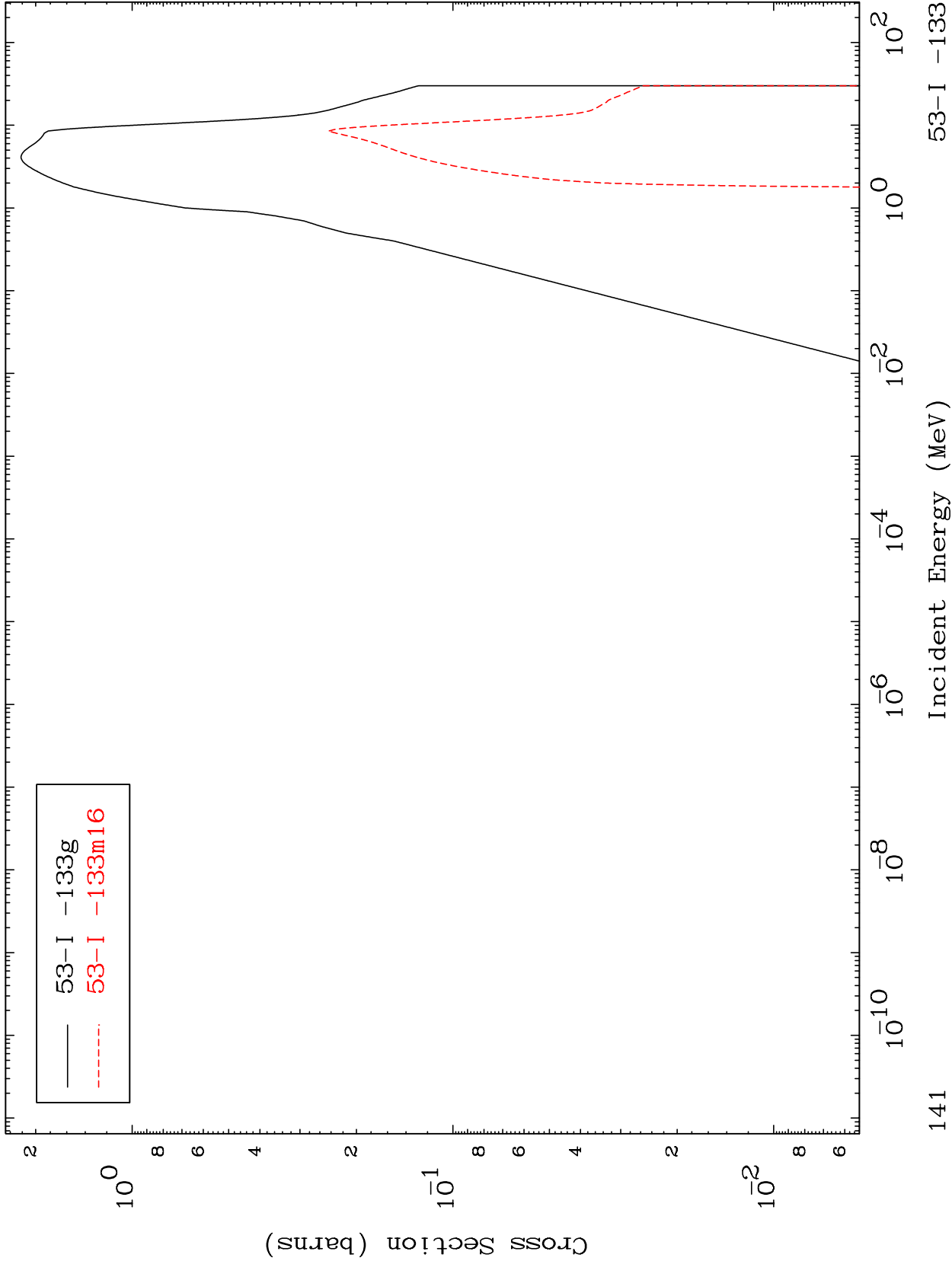
53-I -133



MAT 5343

Inelastic
Radionuclide Production Cross Section

53-I -133

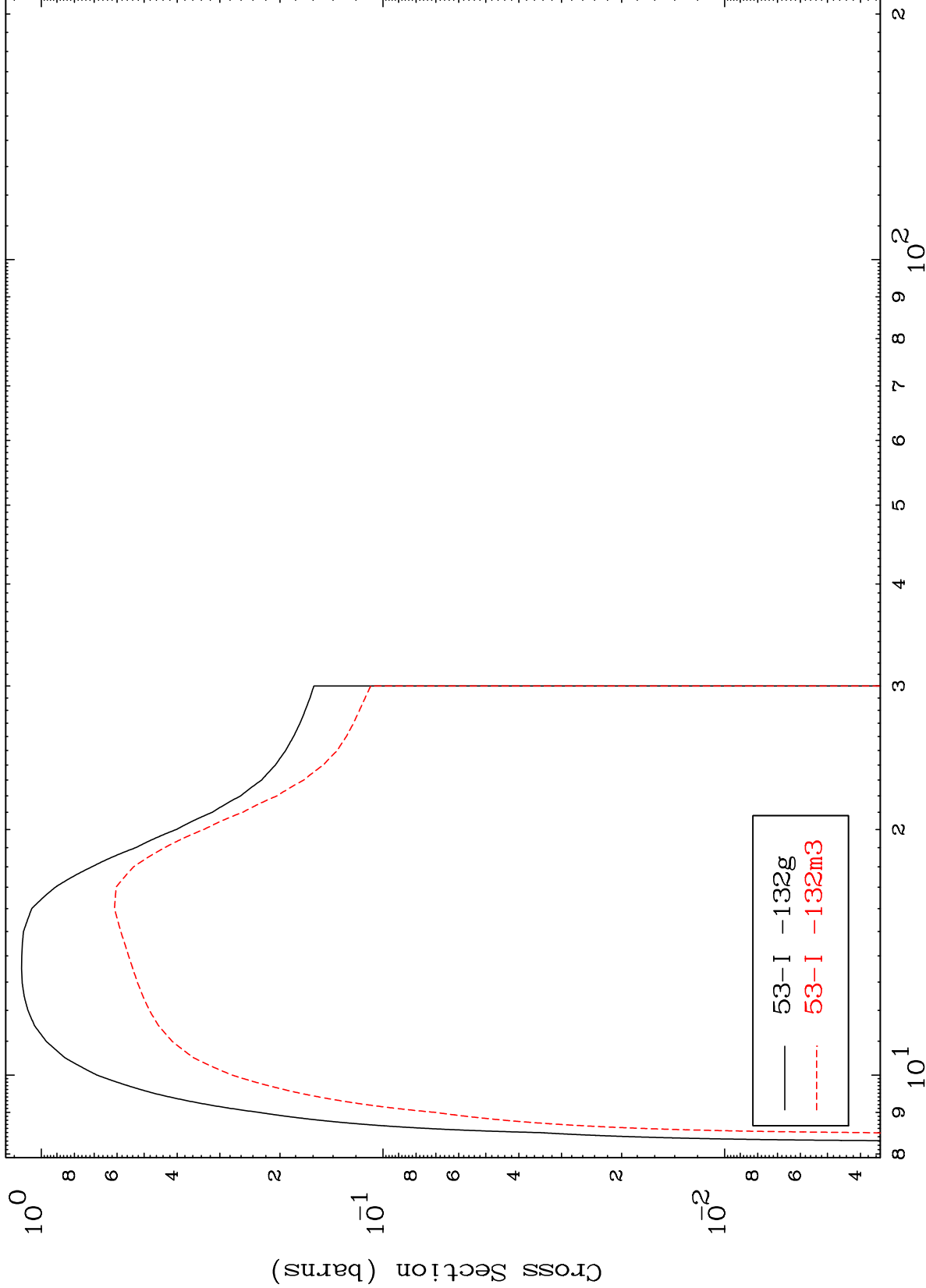


MAT 5343

(n,2n)

53-I -133

Radionuclide Production Cross Section



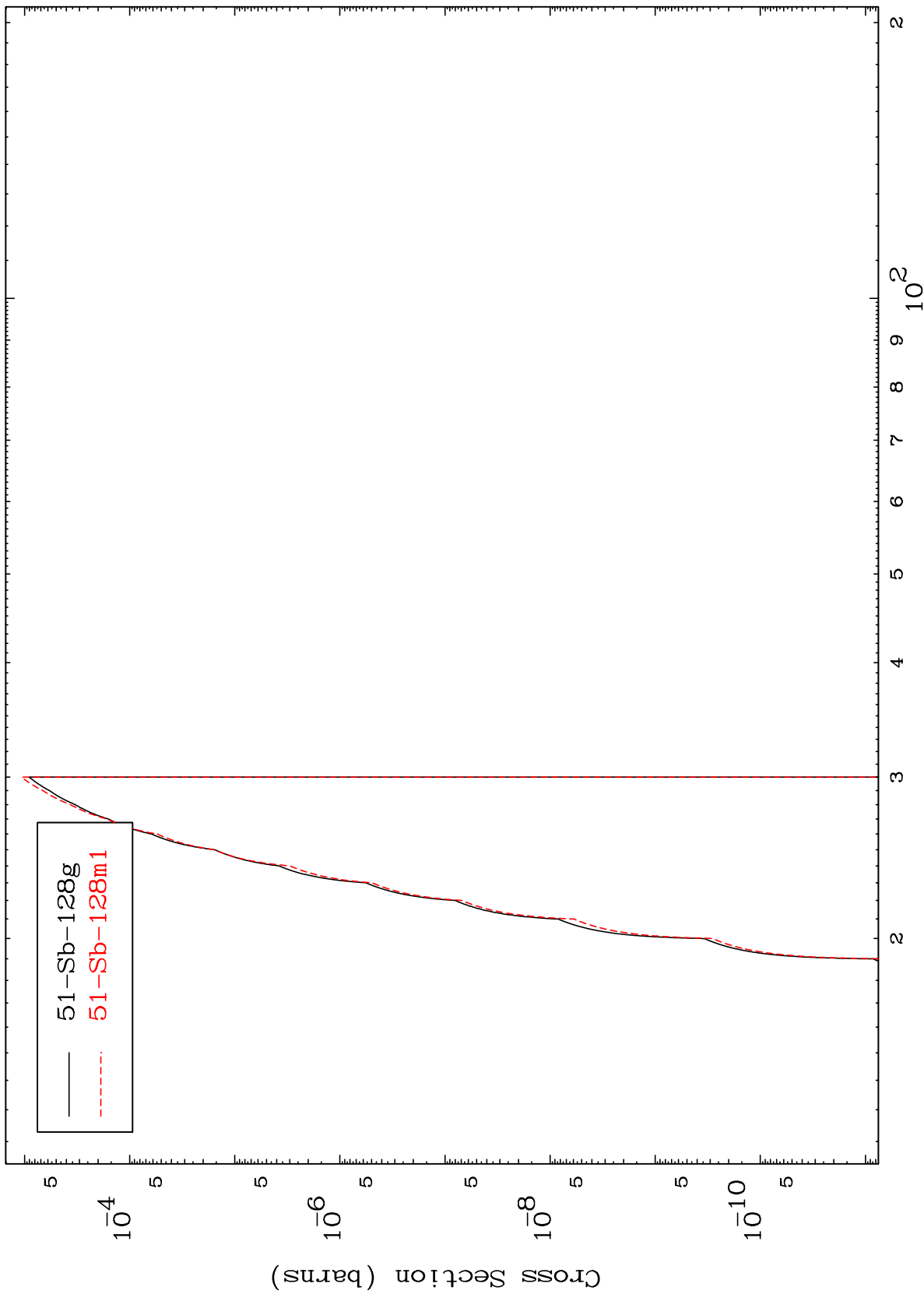
53-I -132g
53-I -132m3

142

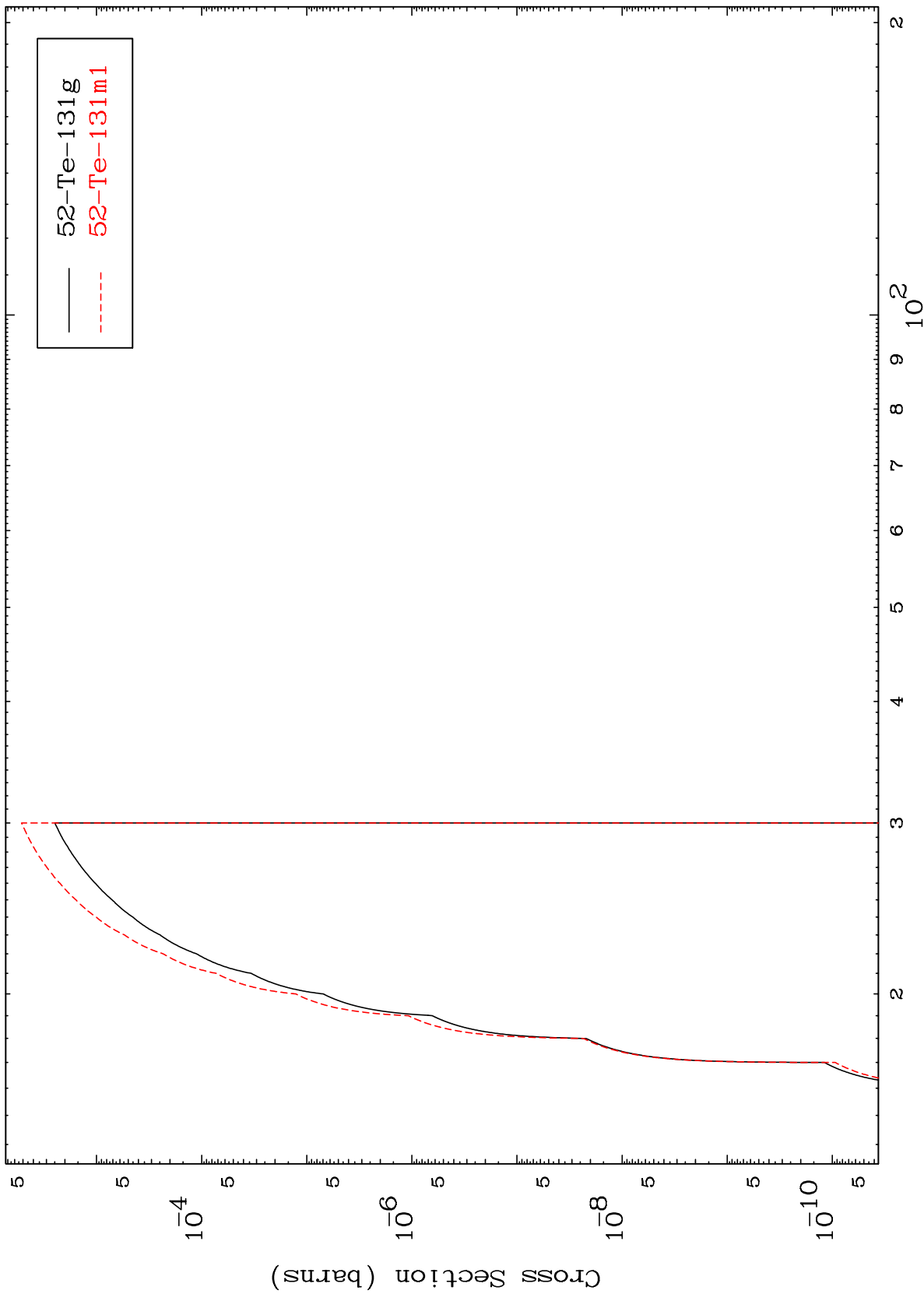
Incident Energy (MeV)

53-I -133

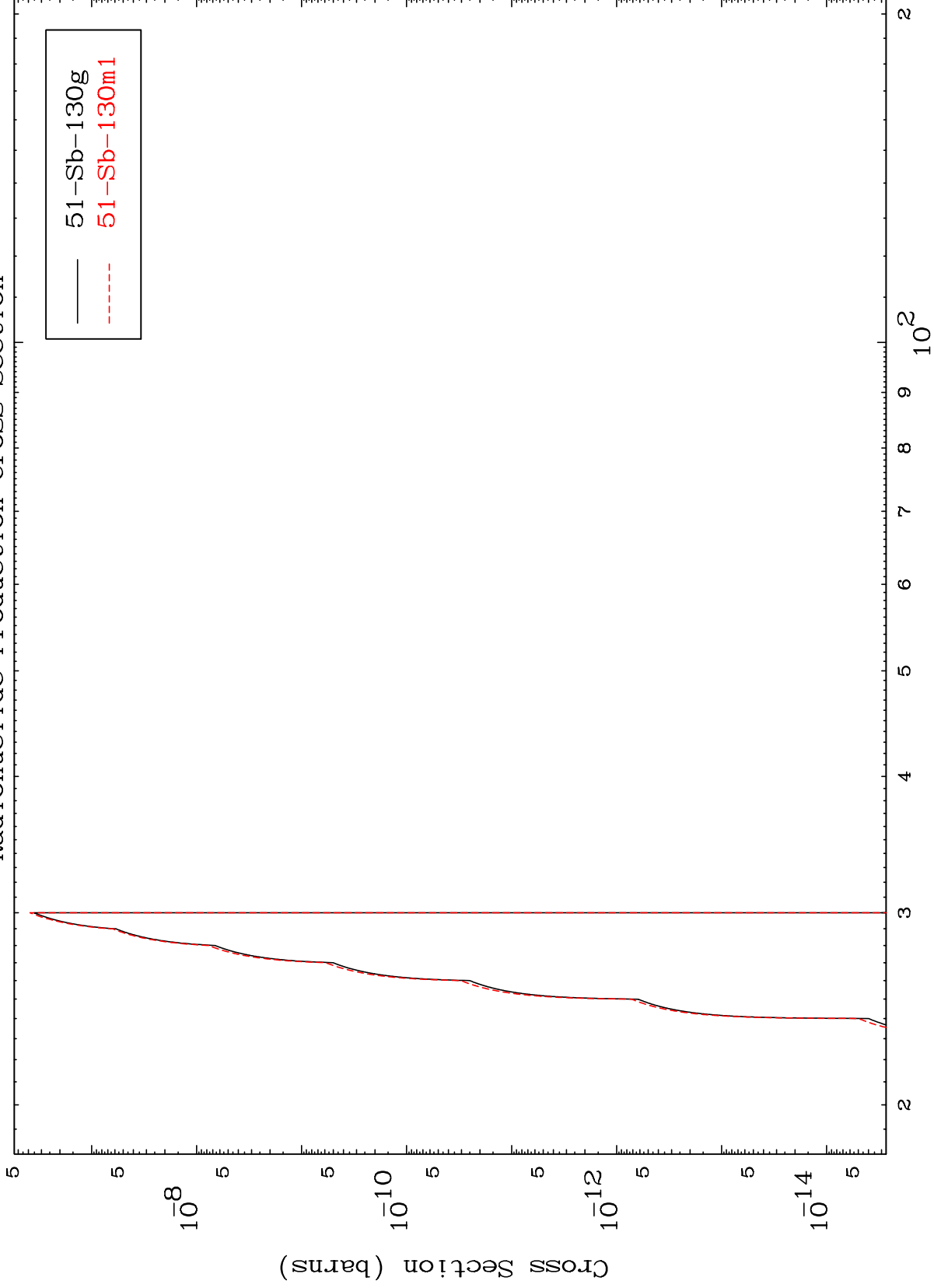
Radionuclide Production Cross Section



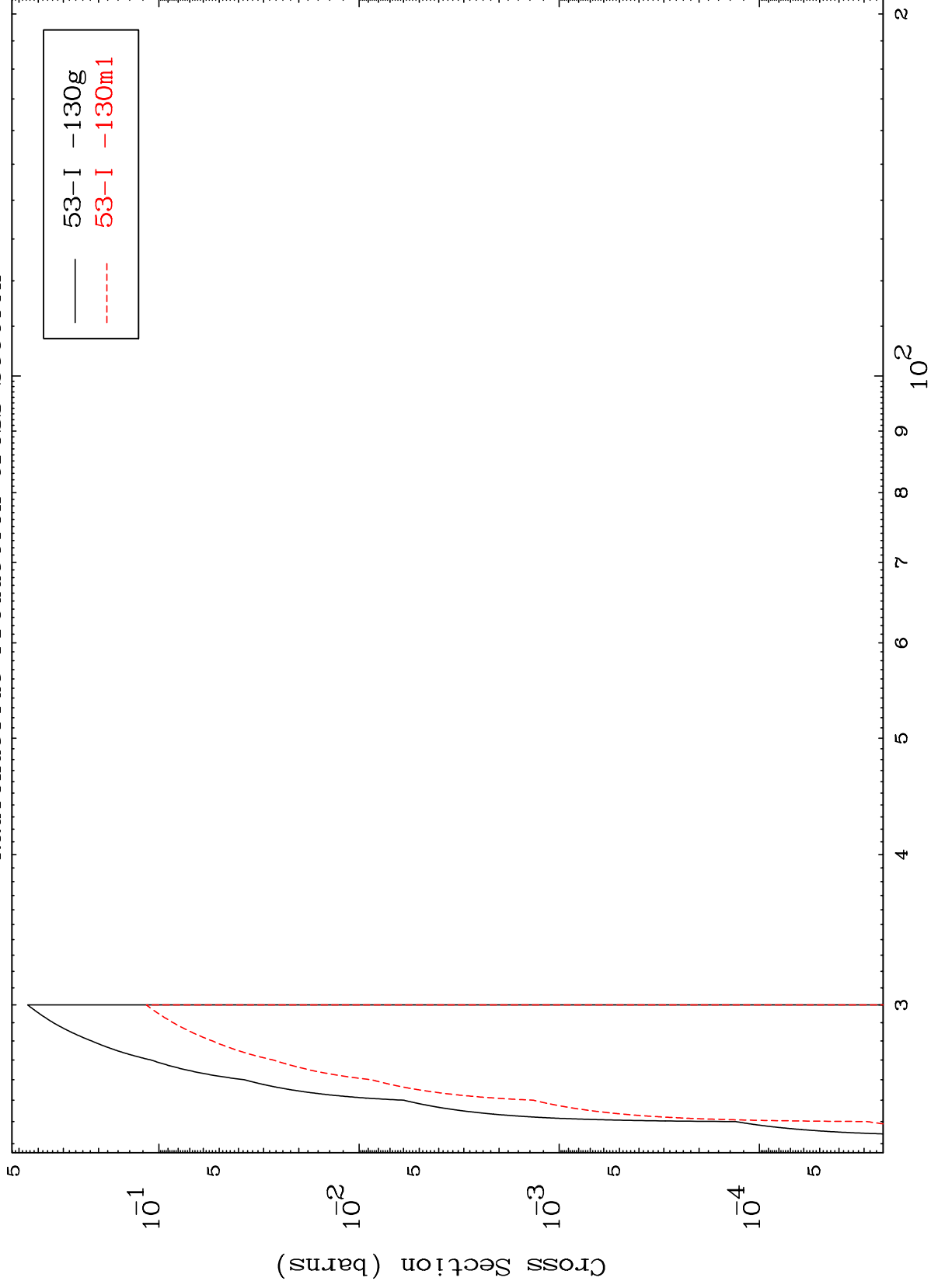
Radionuclide Production Cross Section

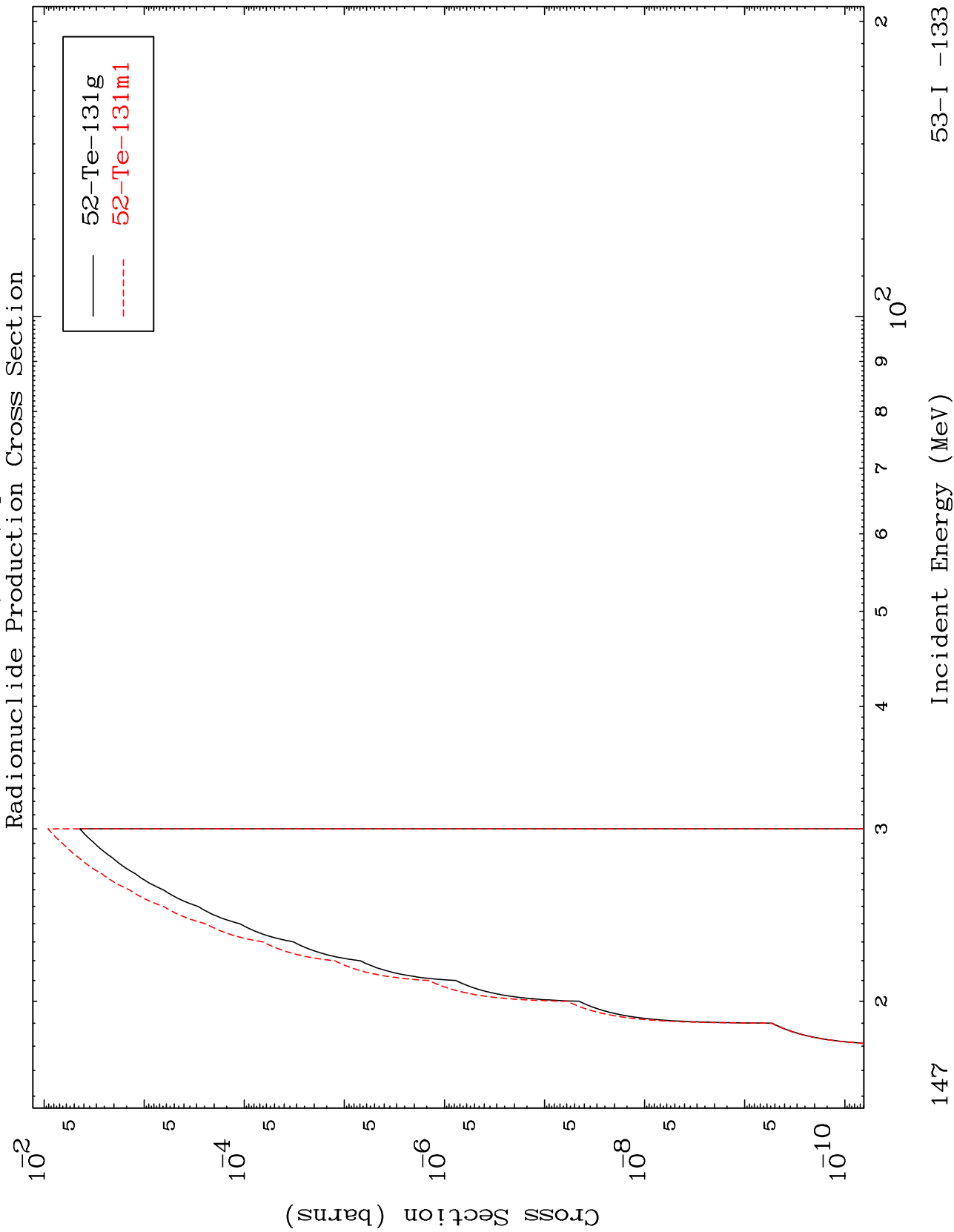


Radionuclide Production Cross Section

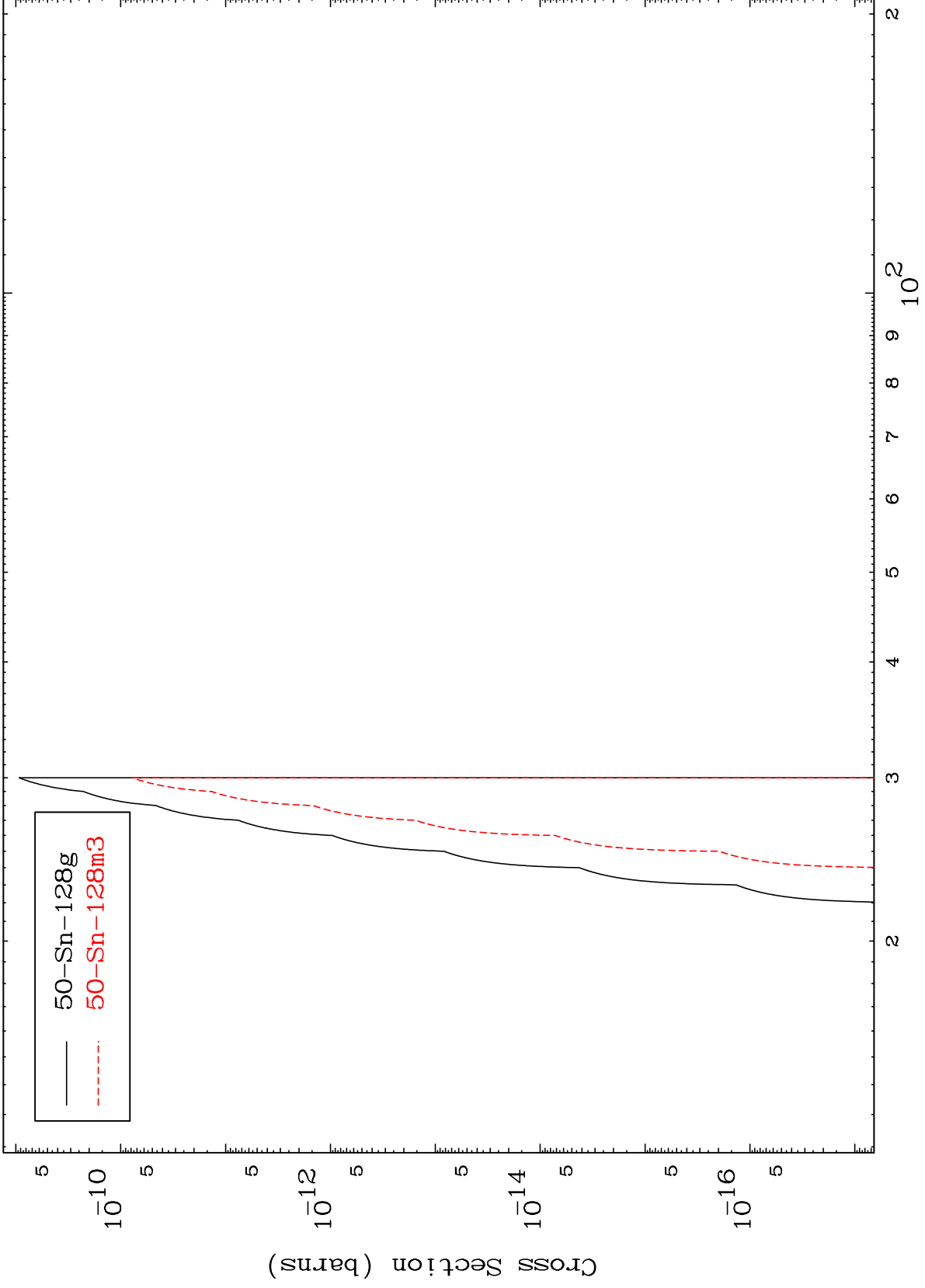


Radionuclide Production Cross Section



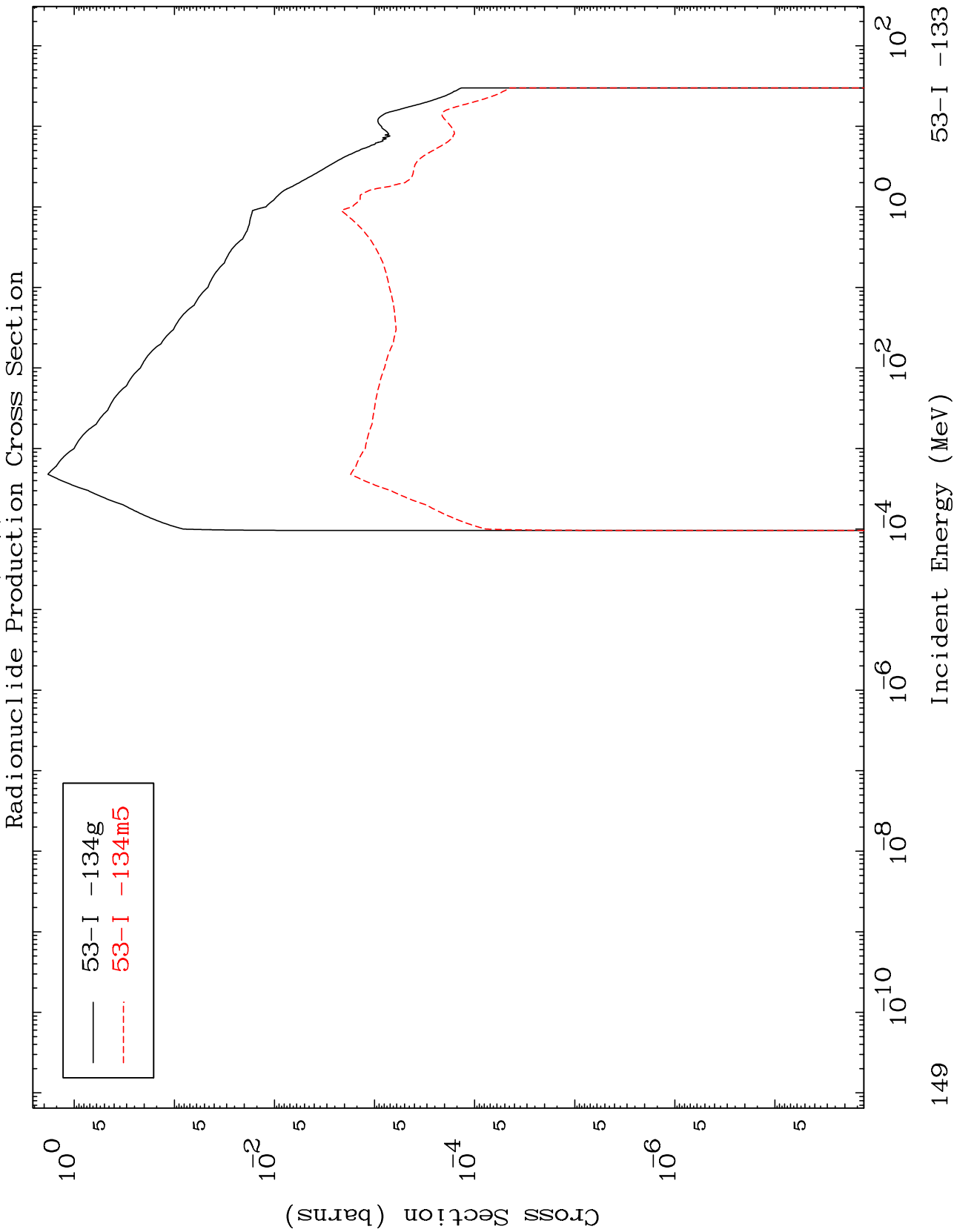


Radionuclide Production Cross Section



MAT 5343

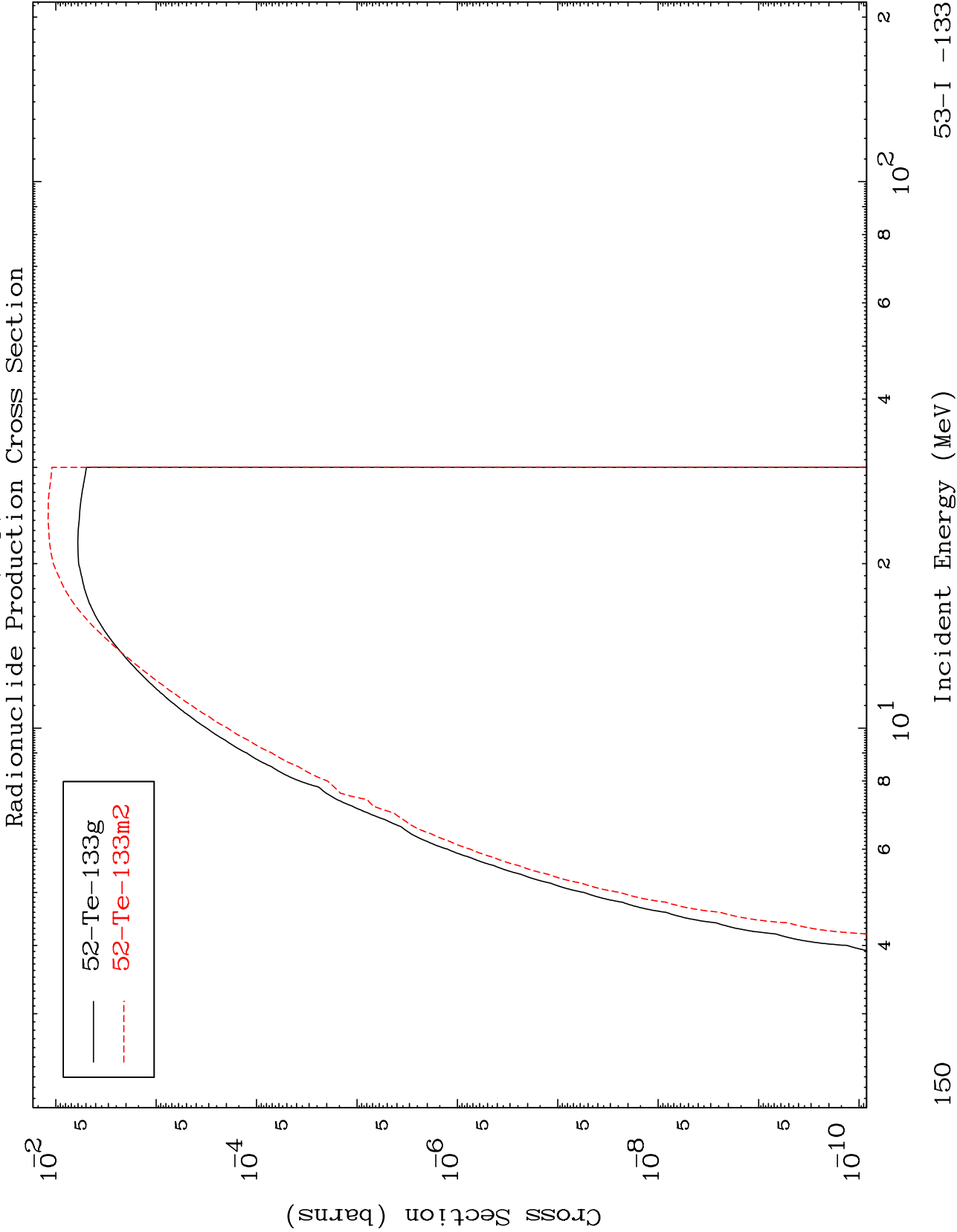
53-I -133



53-I -134g
53-I -134m5

MAT 5343

53-I -133



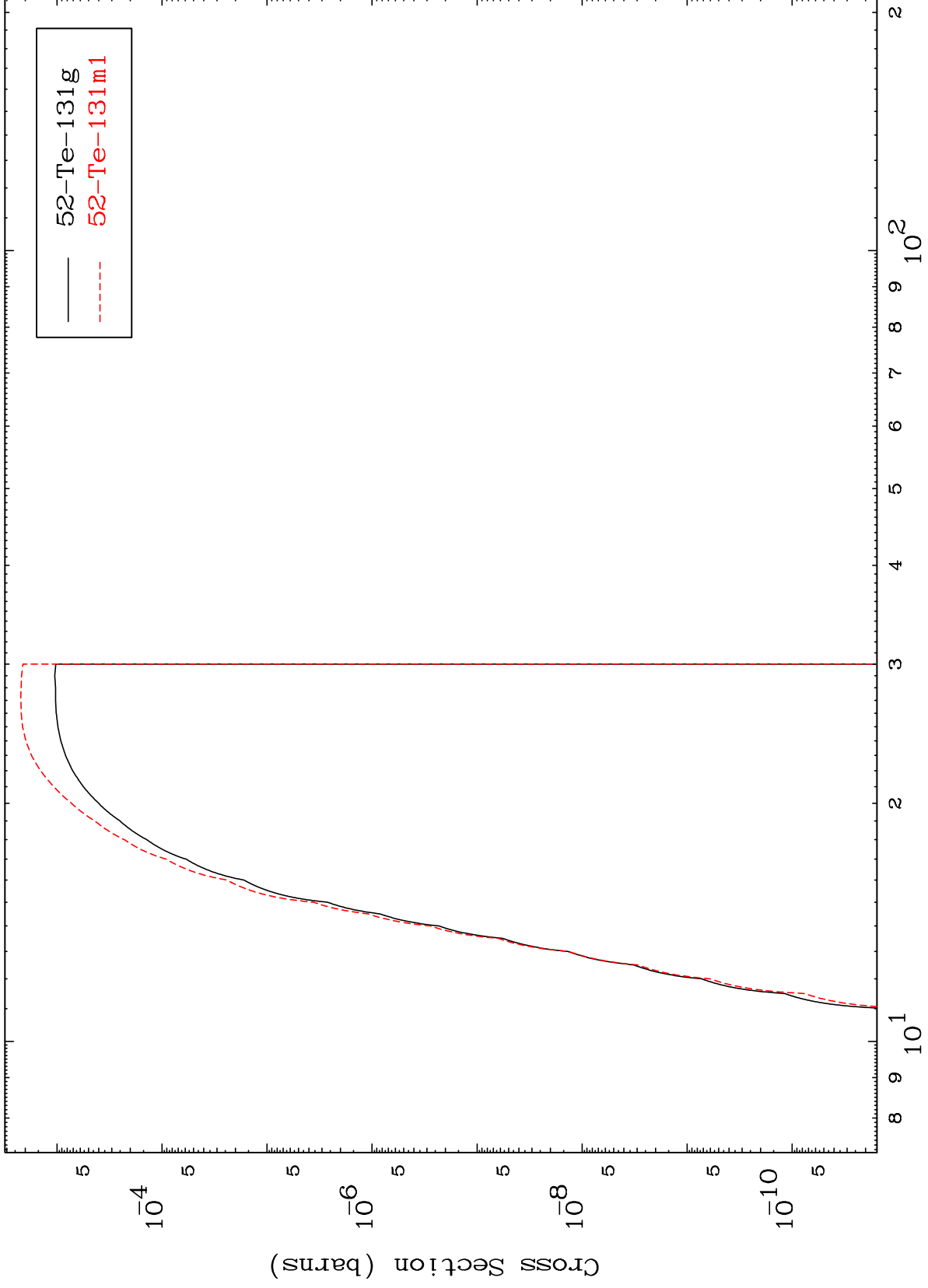
150

53-I -133

MAT 5343

53-I -133

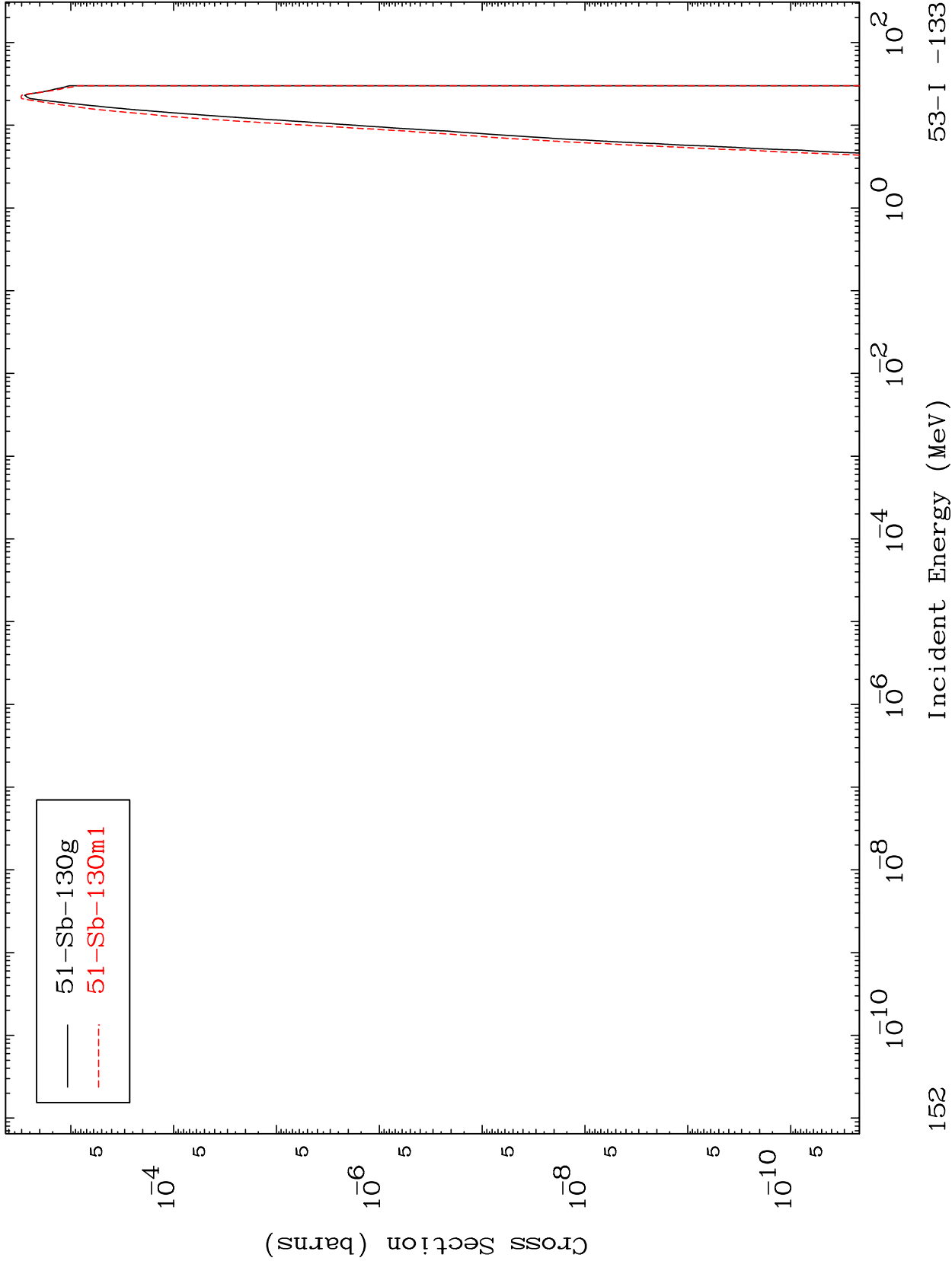
(n, t)
Radionuclide Production Cross Section



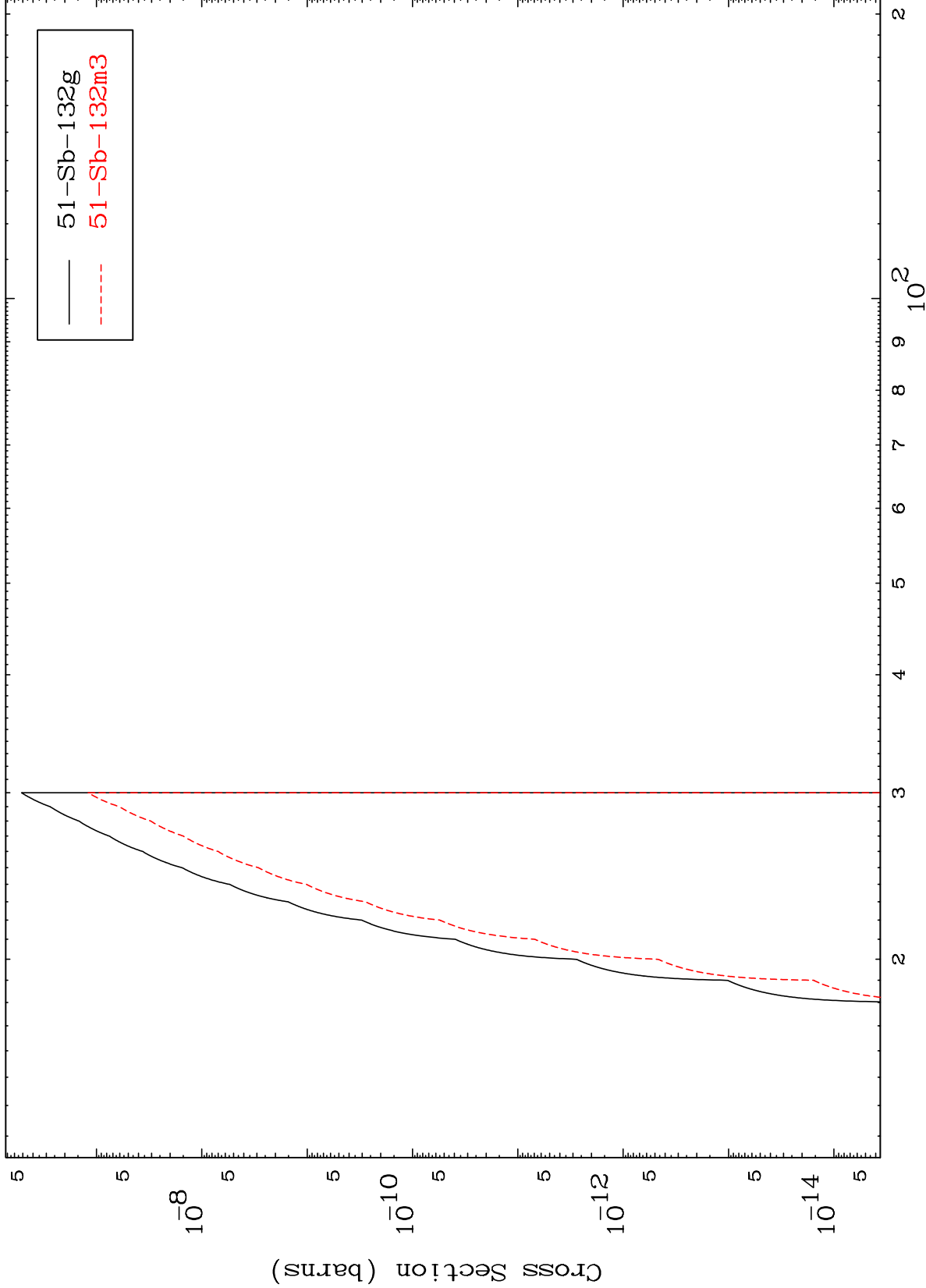
MAT 5343

53-I -133

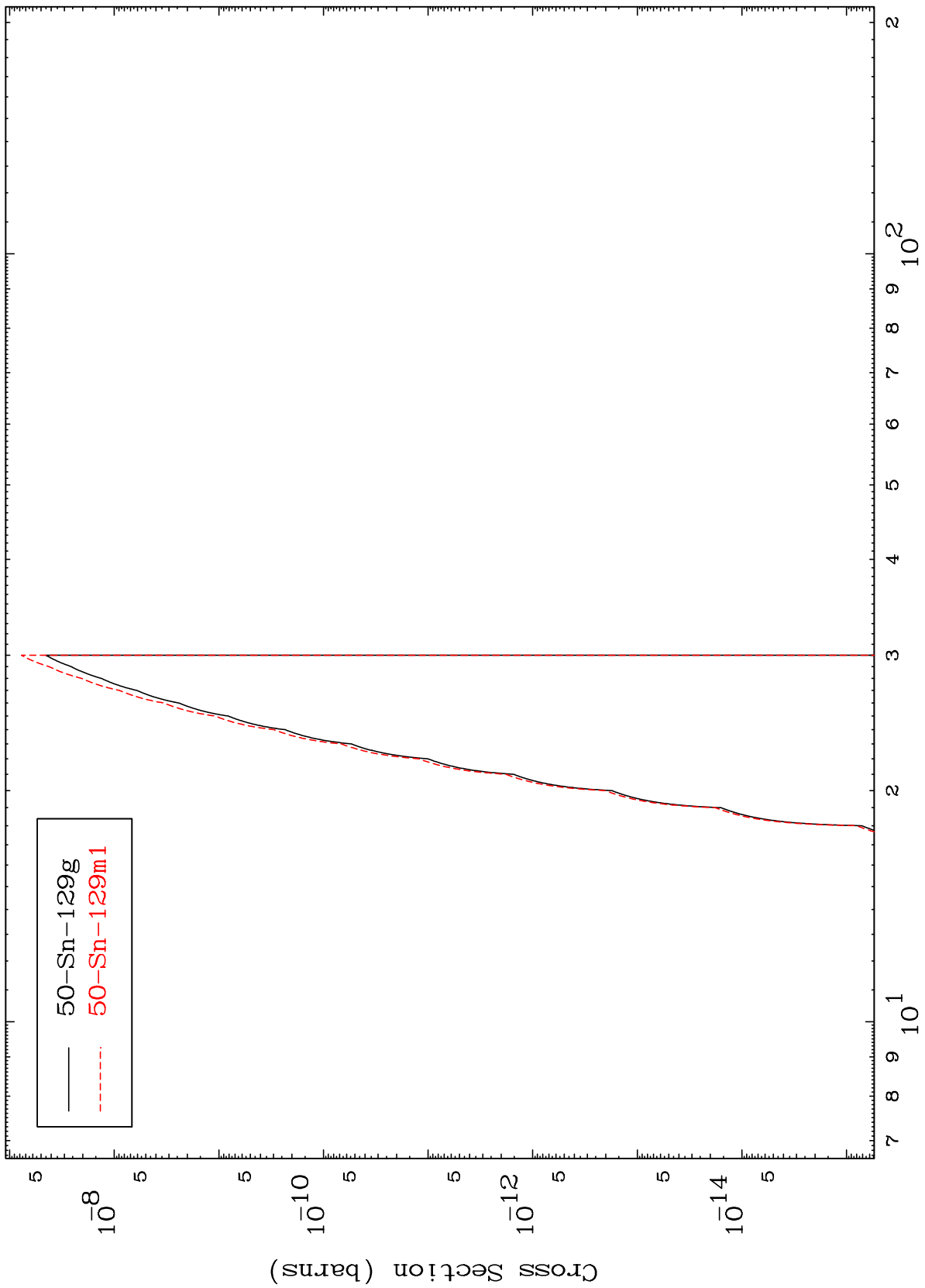
Radionuclide Production Cross Section



(n,2p)
Radionuclide Production Cross Section



Radionuclide Production Cross Section



— 50-Sn-129g
- - - 50-Sn-129m1

Radionuclide Production Cross Section

