

Program EVALPLOT
(Version 2018-1)

by

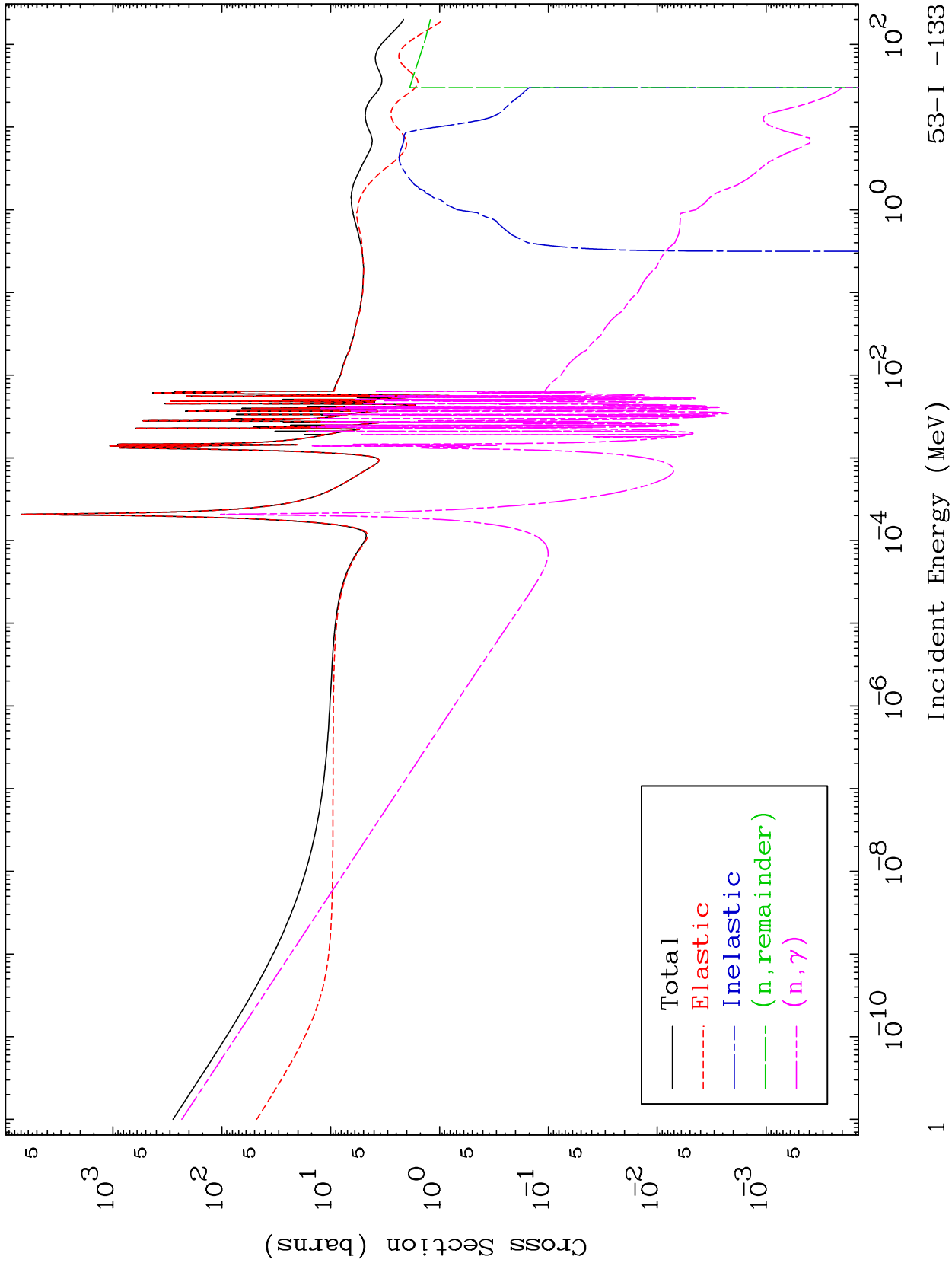
Dermott E. Cullen
(Present Contact Information)

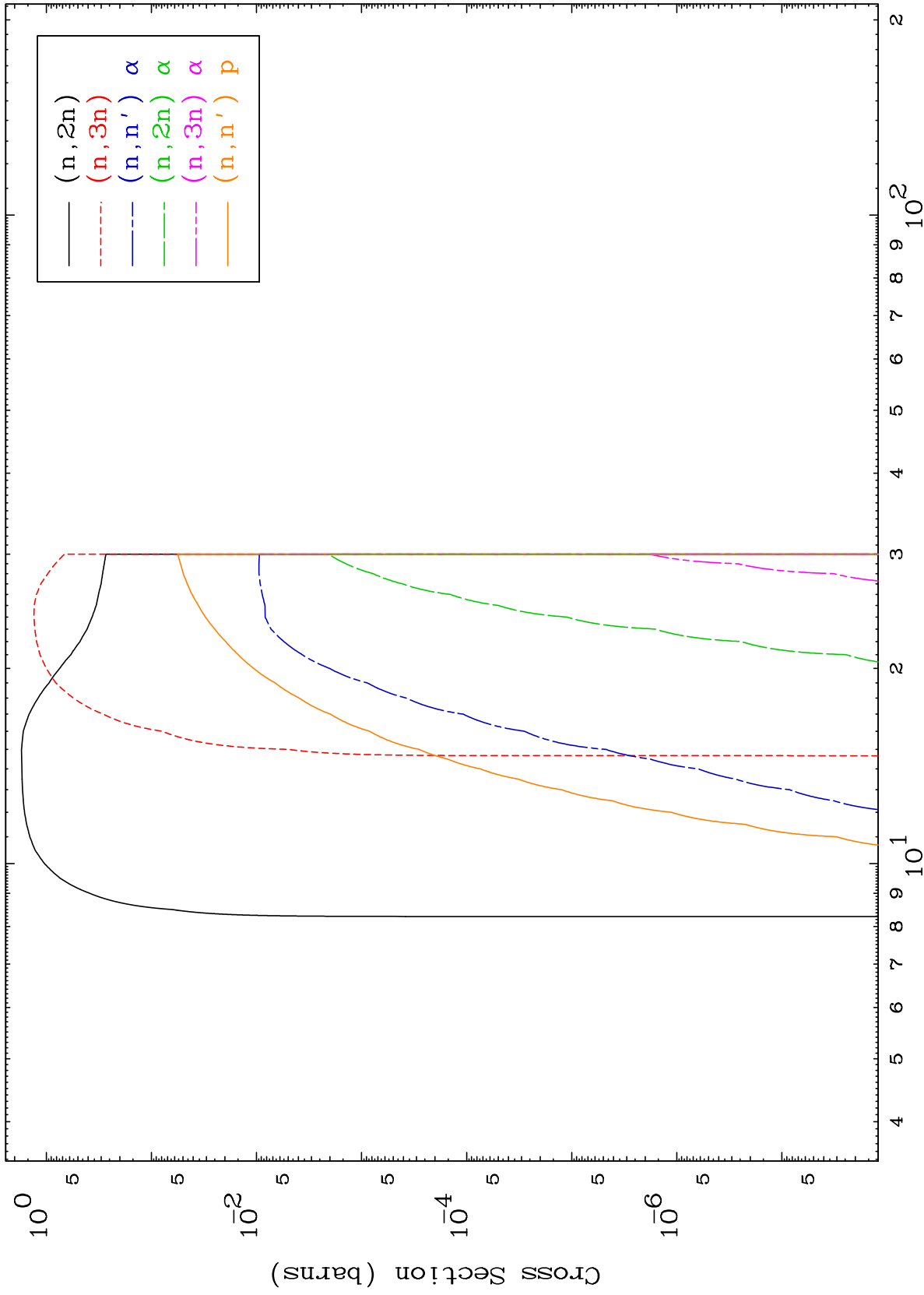
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

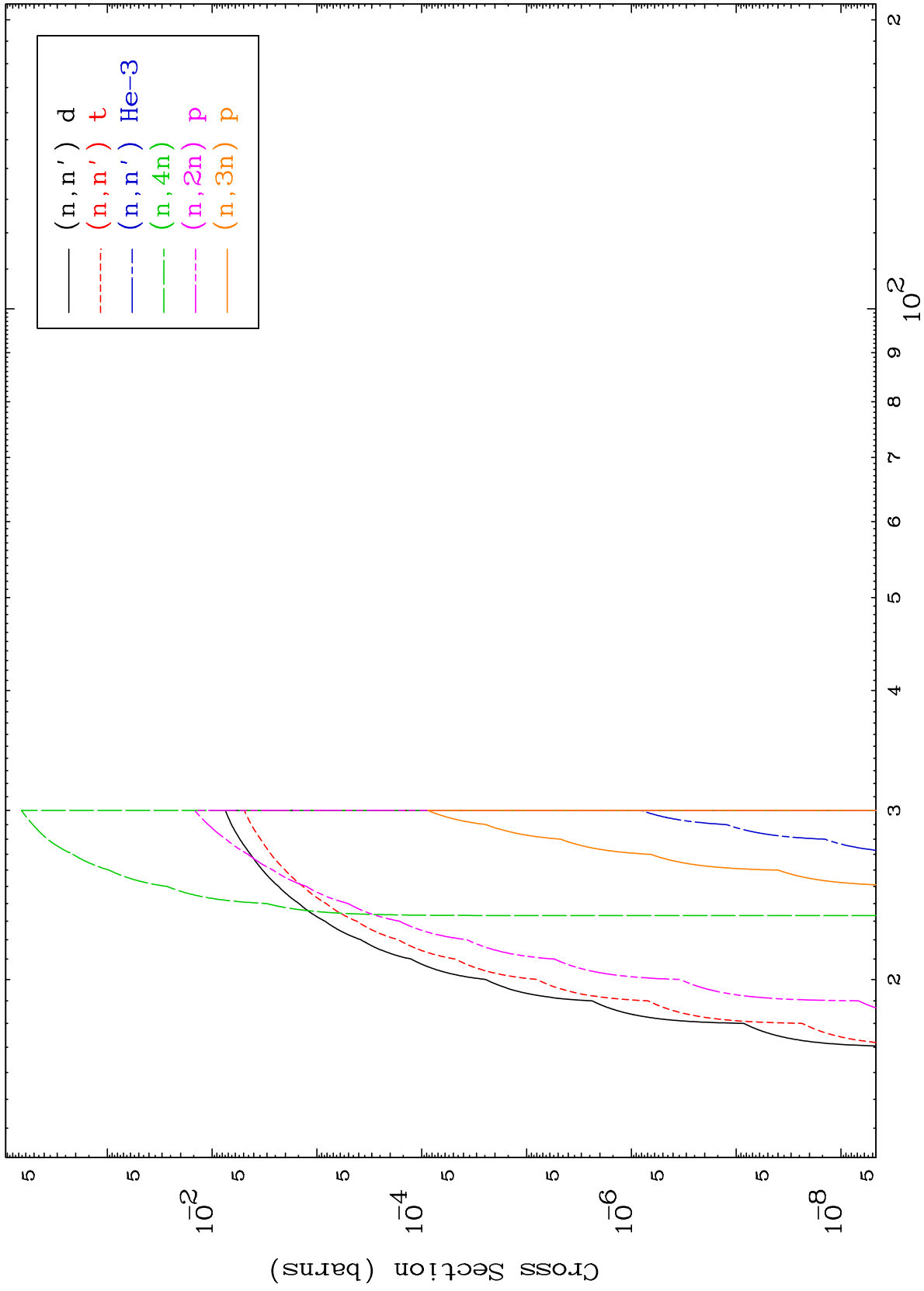
Tele: 925-443-1911

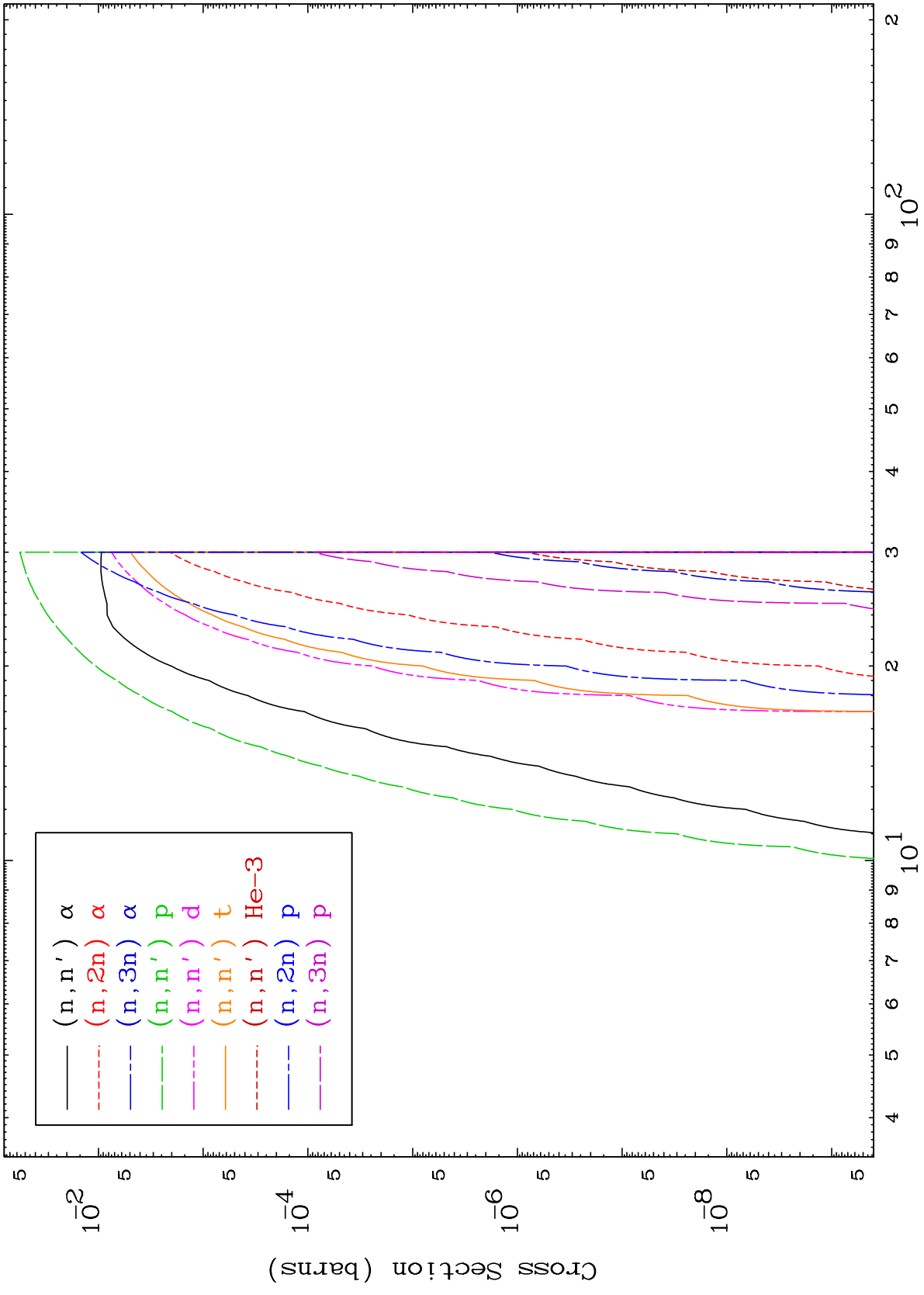
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

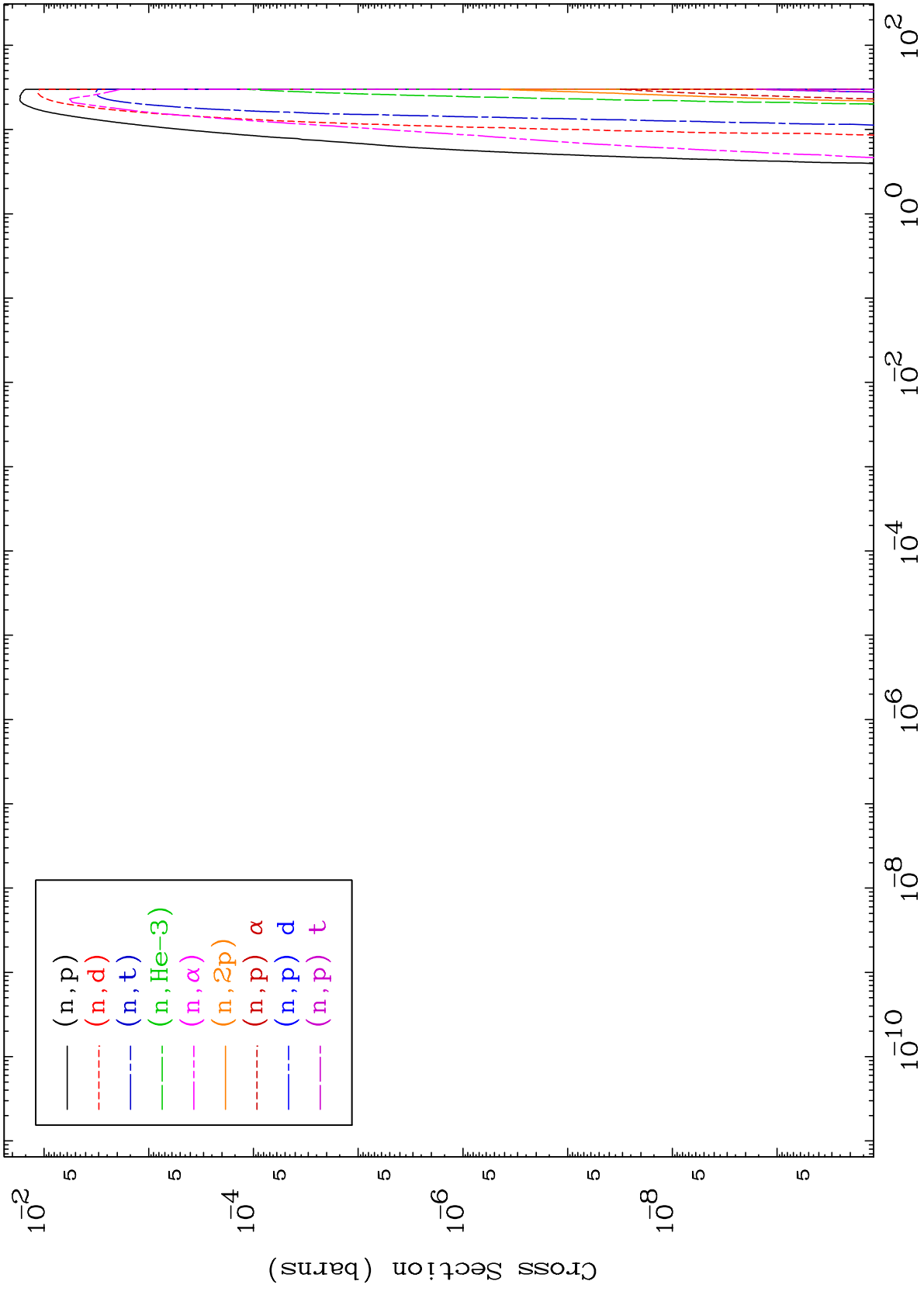
Press Mouse Button to Start







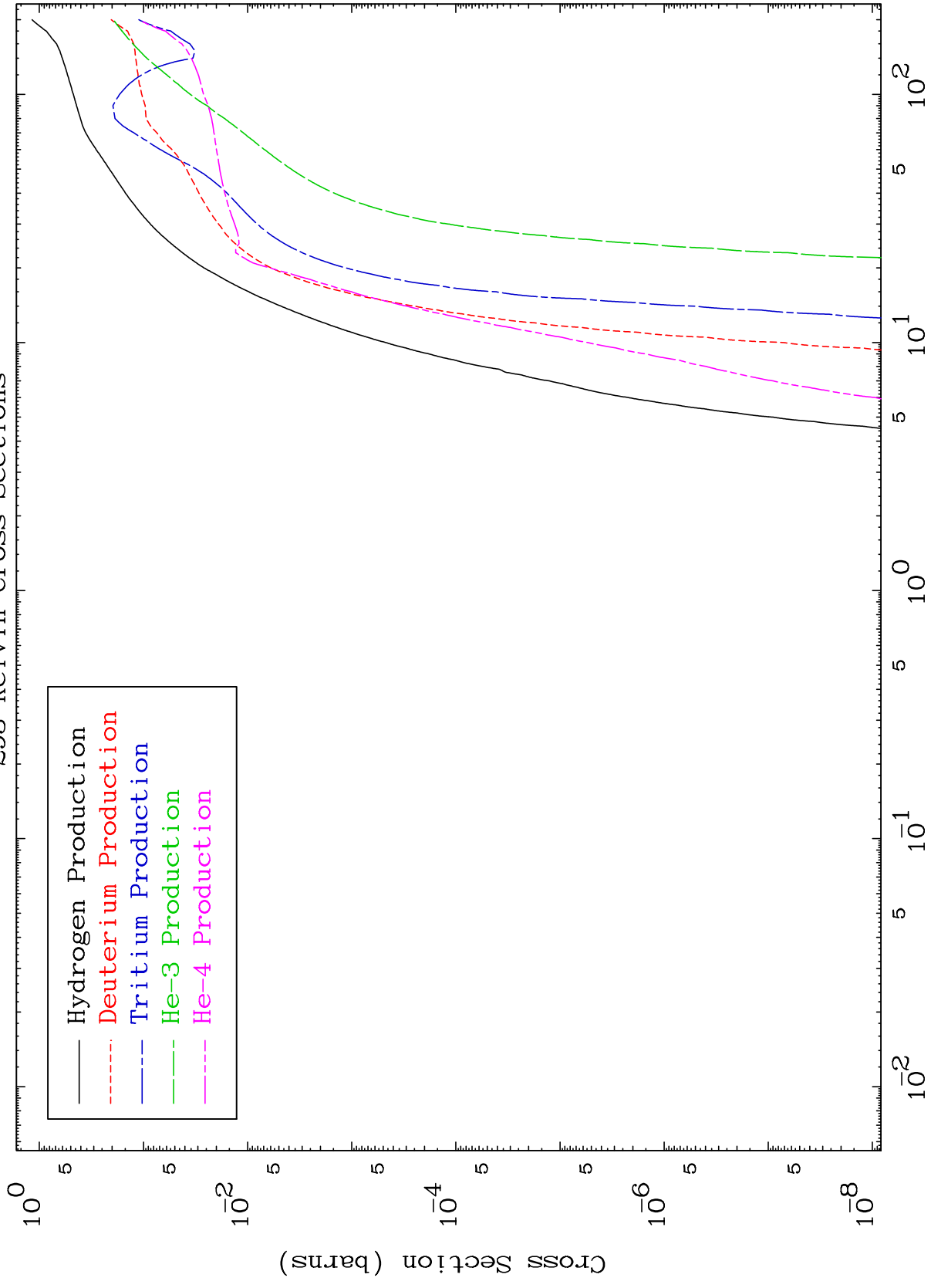




MAT 5343

Particle Production
293 Kelvin Cross Sections

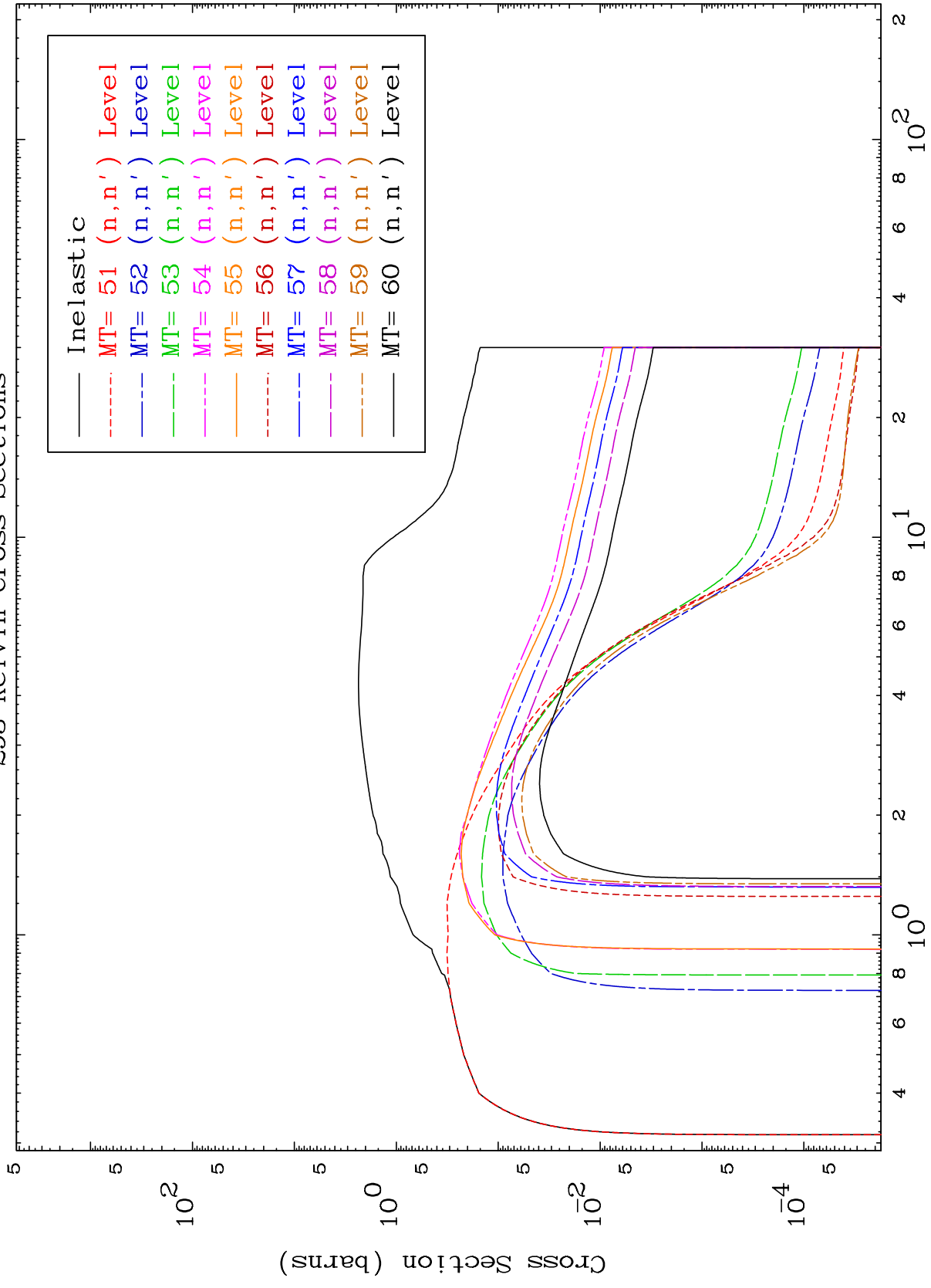
53-I -133



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Incident Energy (MeV)

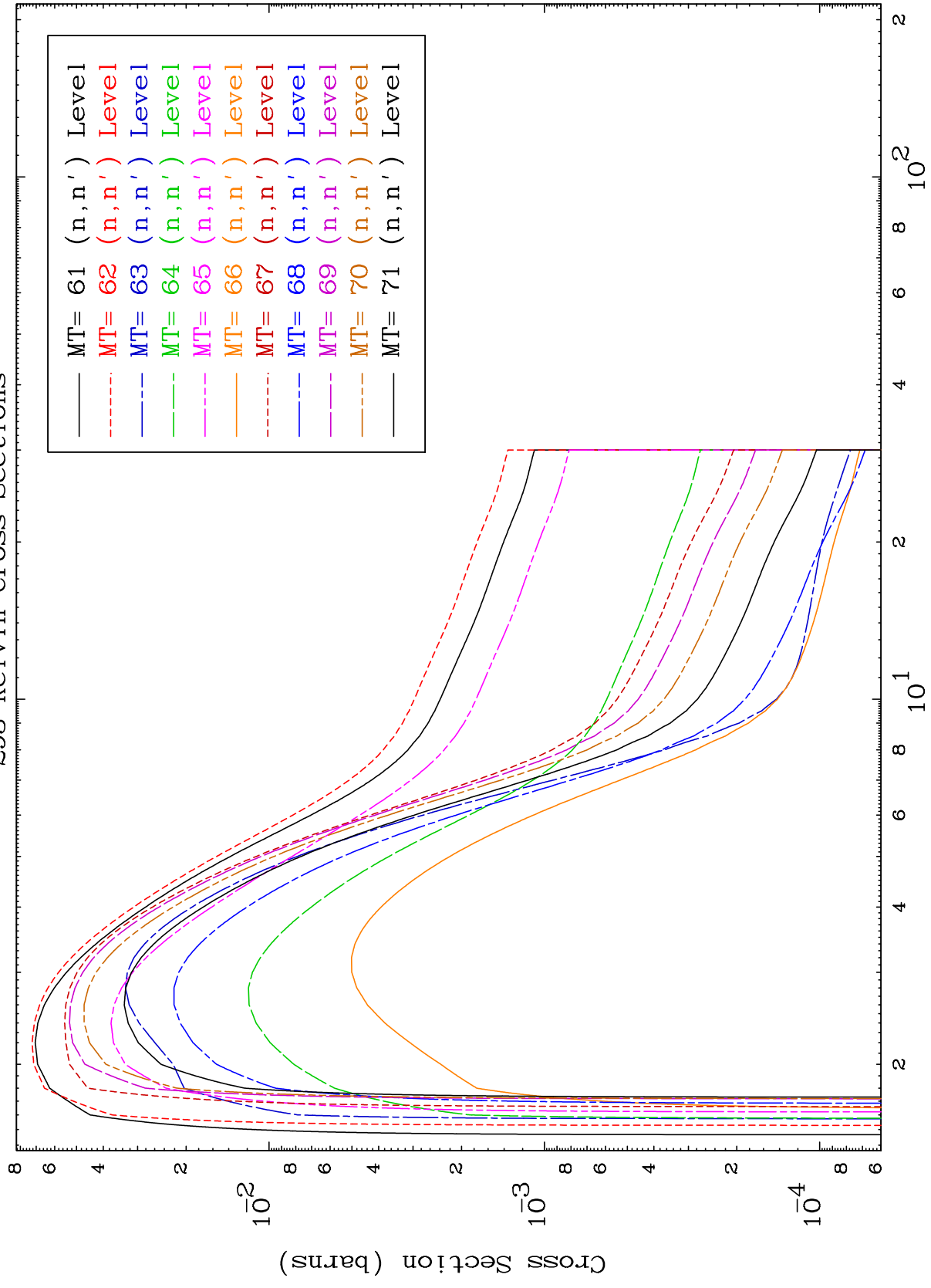
53-I -133



MAT 5343

(n,n') Level
293 Kelvin Cross Sections

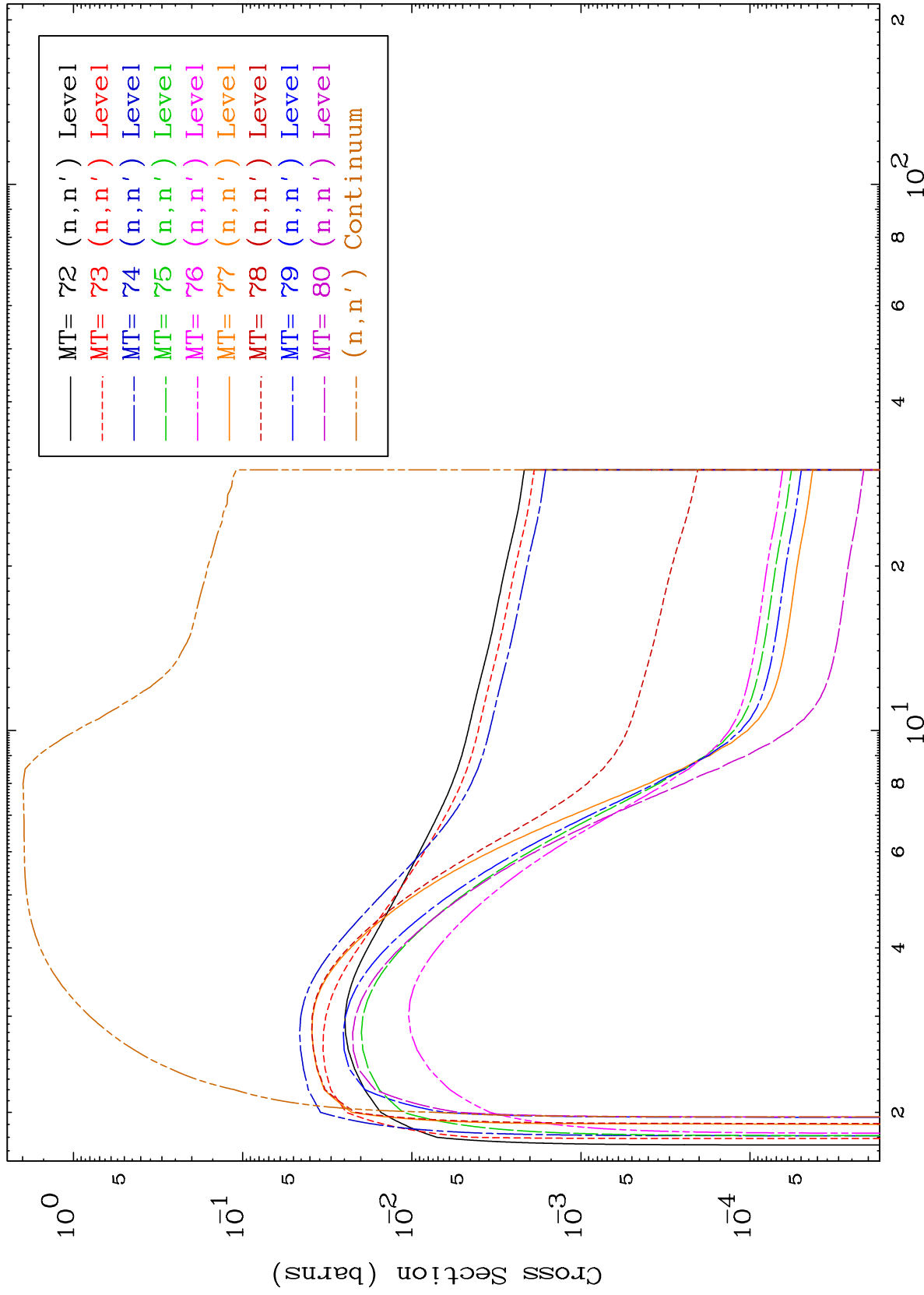
53-I -133



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Incident Energy (MeV)

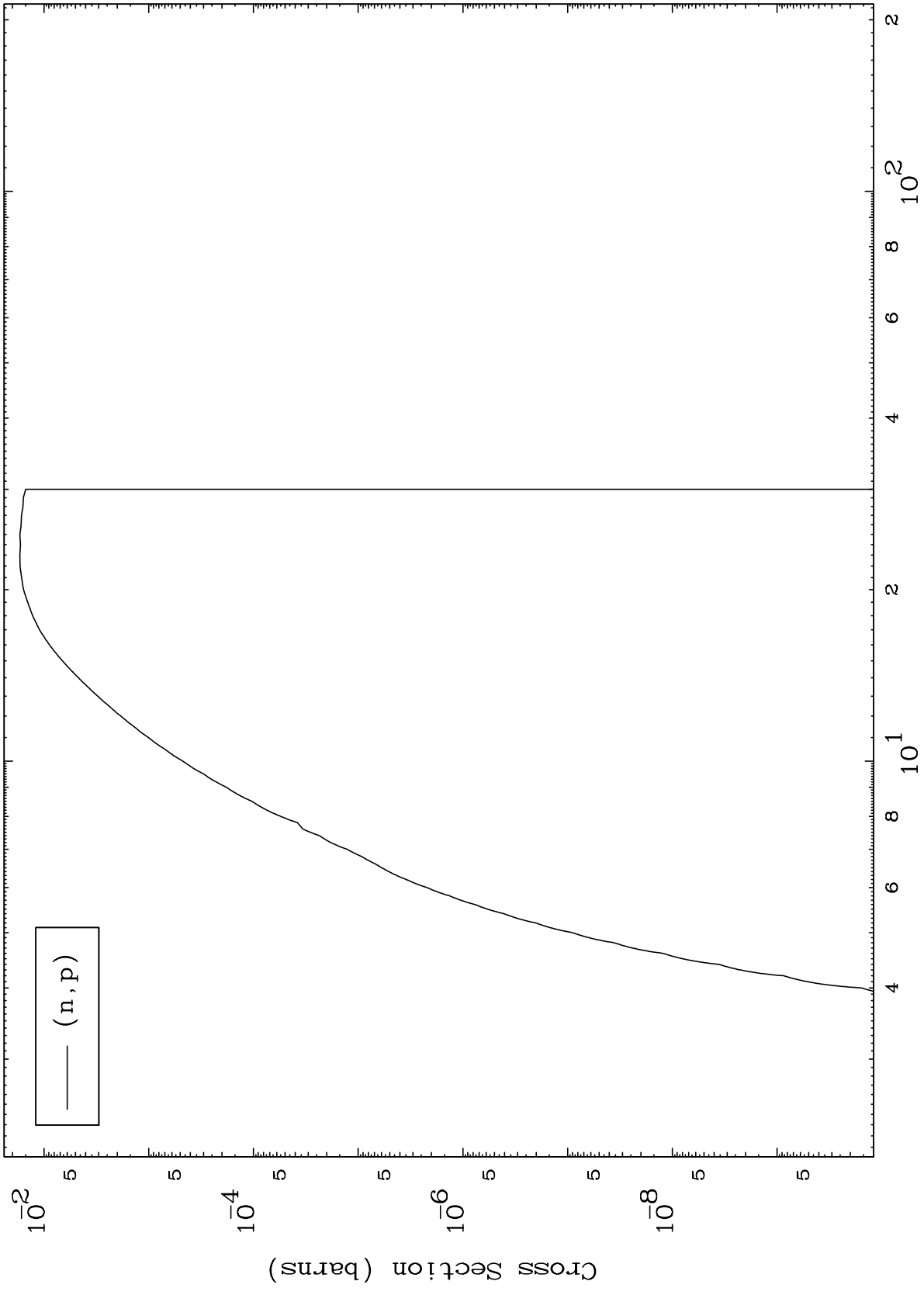
53-I -133



MAT 5343

(n,p) Levels
293 Kelvin Cross Sections

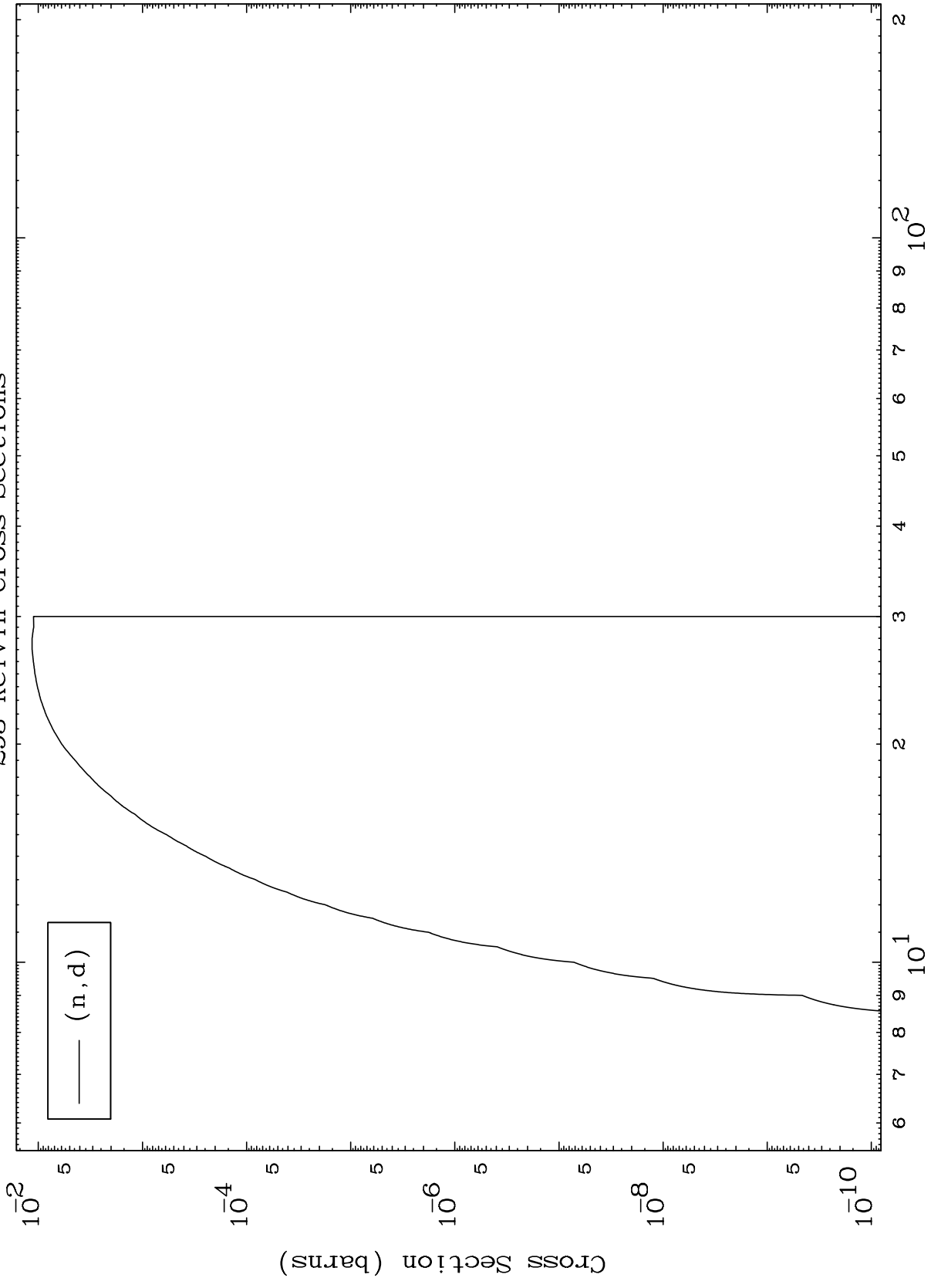
53-I -133



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Incident Energy (MeV)

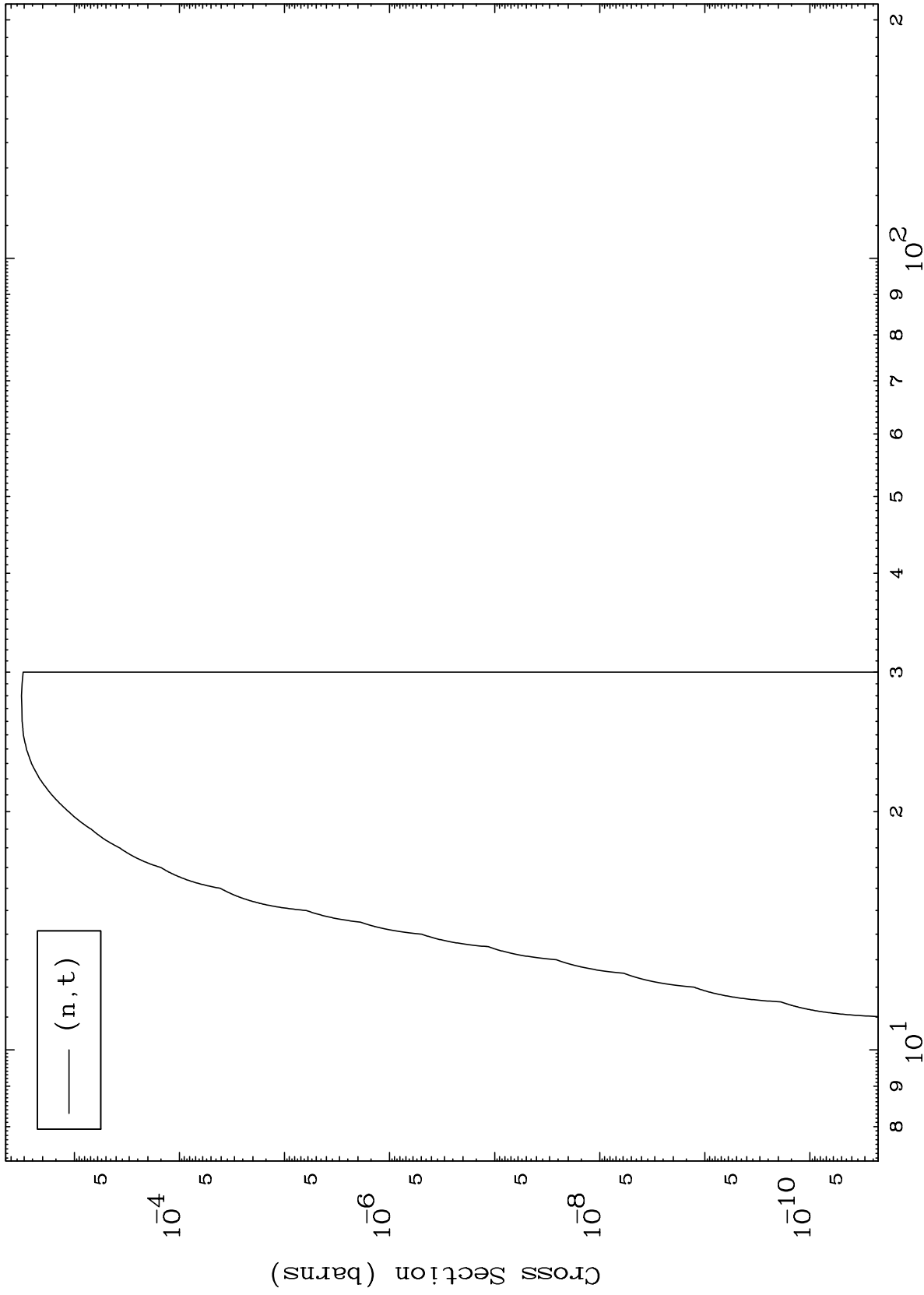
53-I -133



MAT 5343

(n,t) Levels
293 Kelvin Cross Sections

53-I -133



12

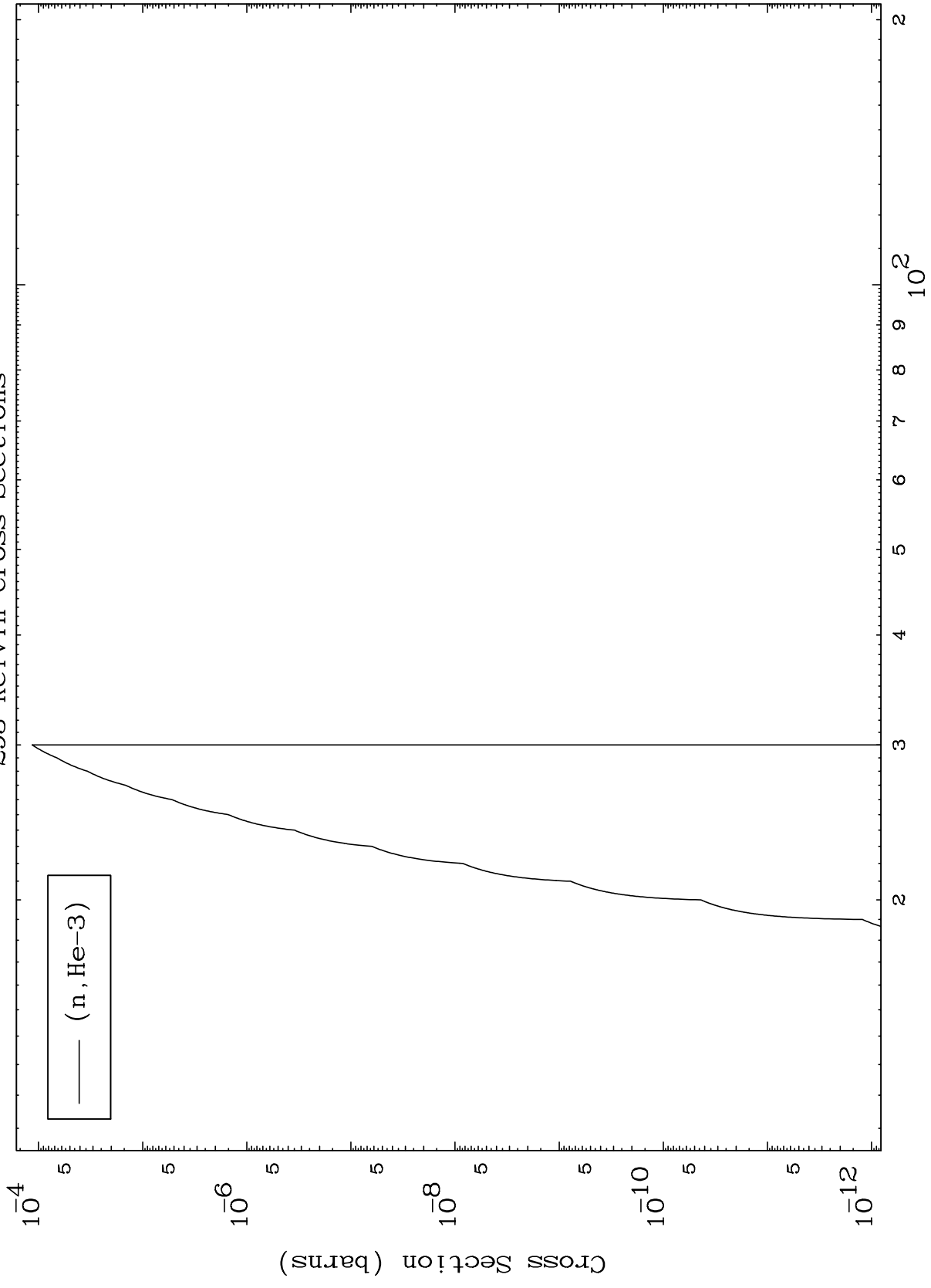
Incident Energy (MeV)

53-I -133

MAT 5343

(n,He3) Levels
293 Kelvin Cross Sections

53-I -133



13

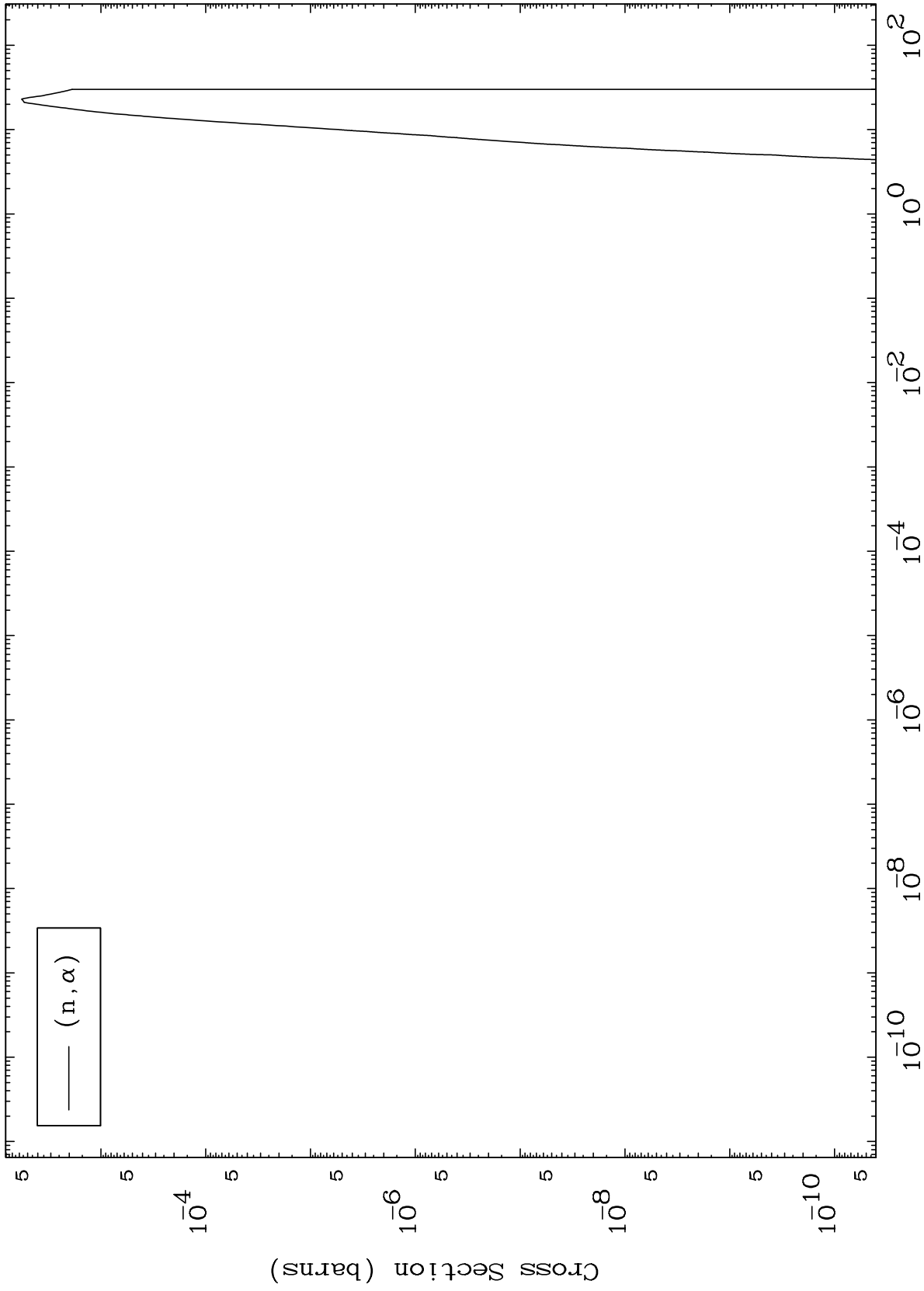
Incident Energy (MeV)

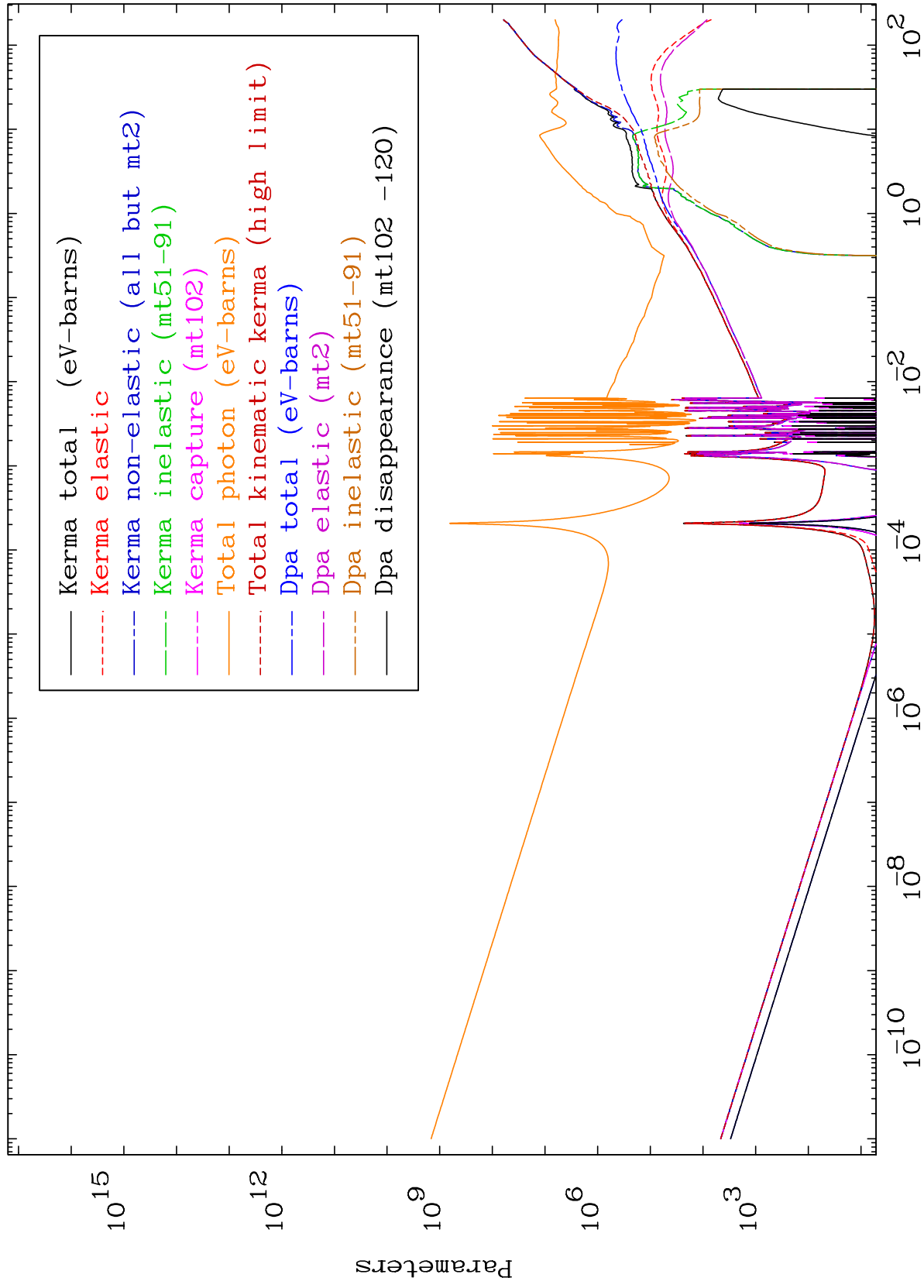
53-I -133

MAT 5343

(n,α) Levels
293 Kelvin Cross Sections

53-I -133

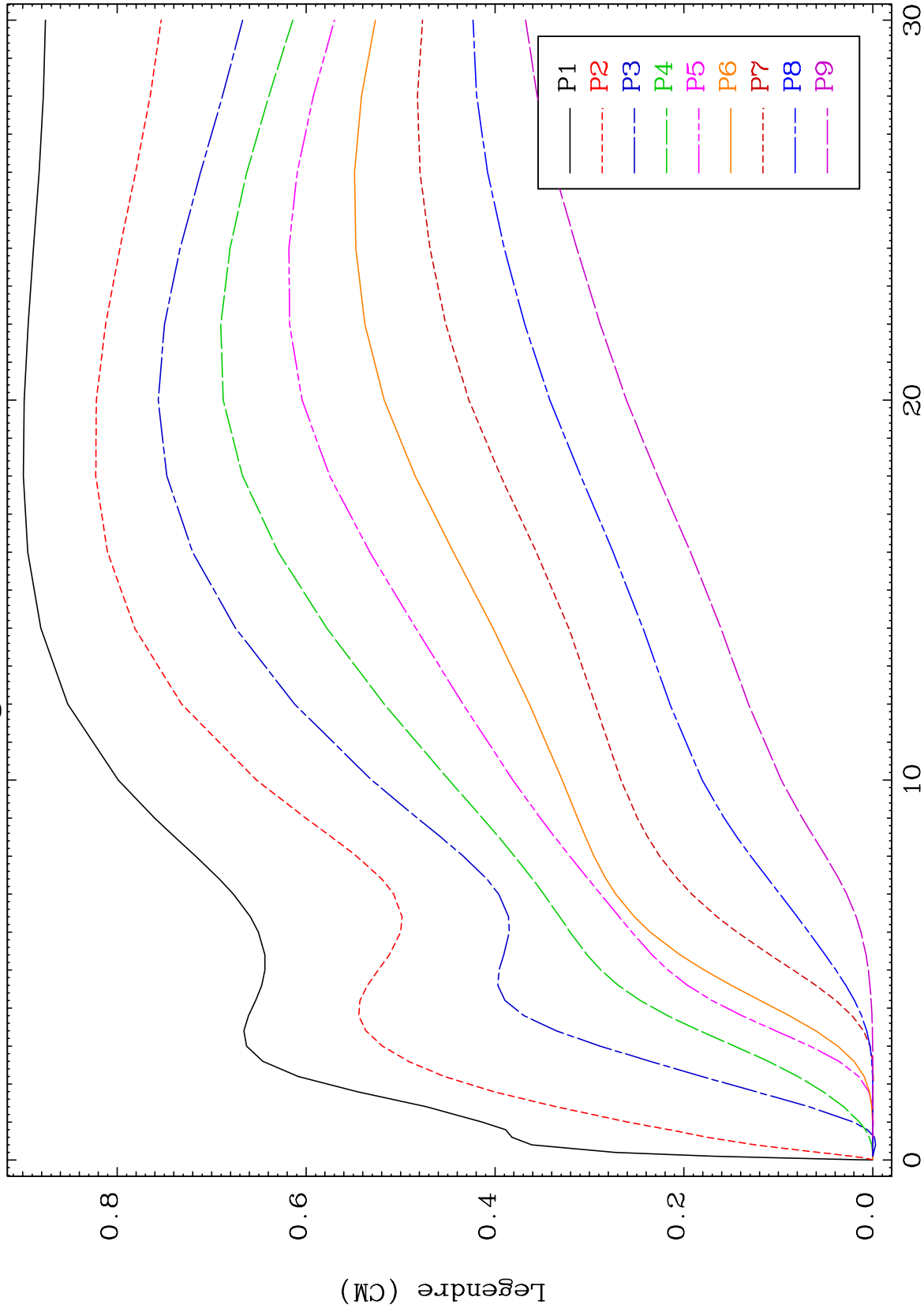




MAT 5343

Elastic Legendre Coefficients

53-I -133



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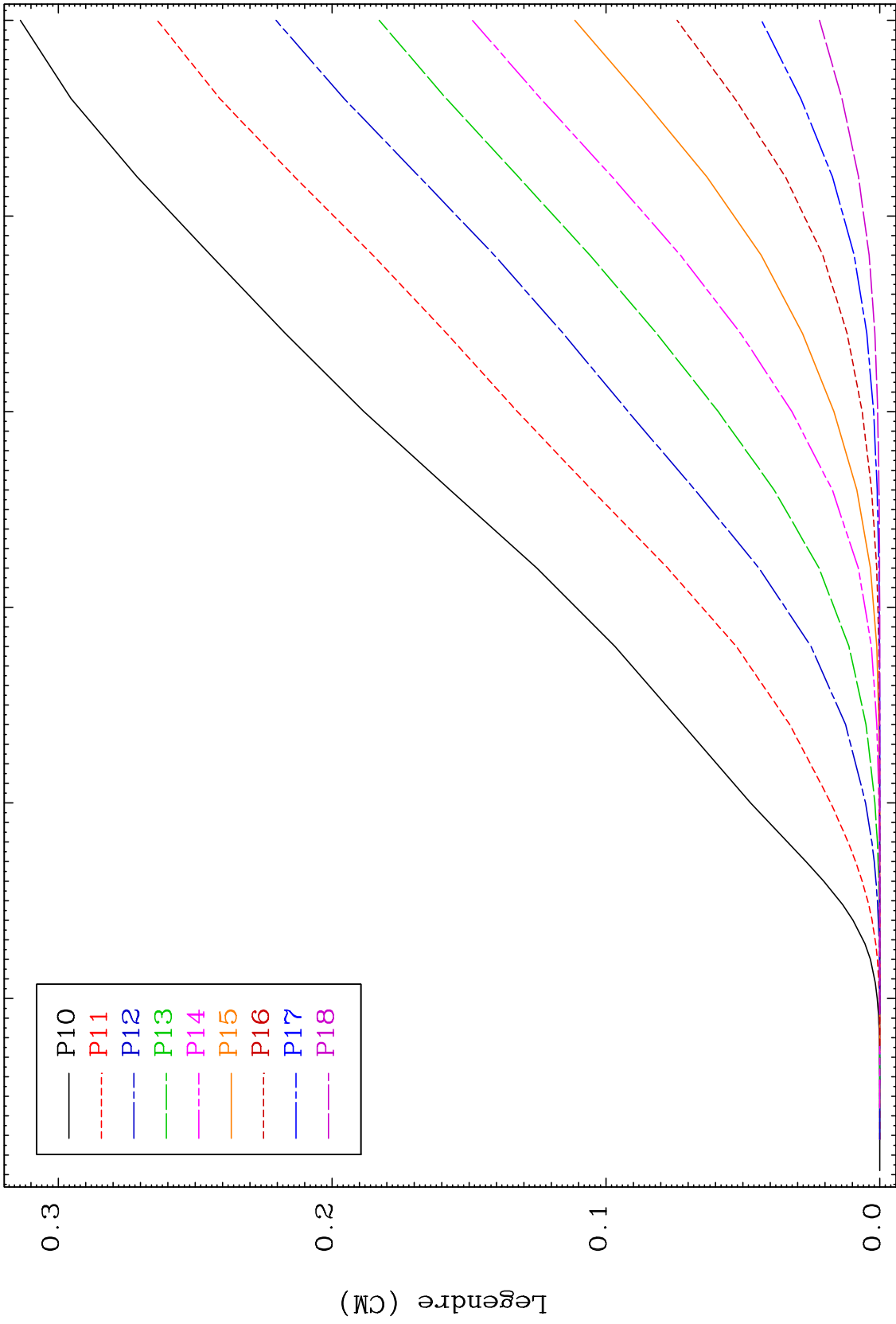
Incident Energy (MeV)

53-I -133

MAT 5343

Elastic Legendre Coefficients

53-I -133



17

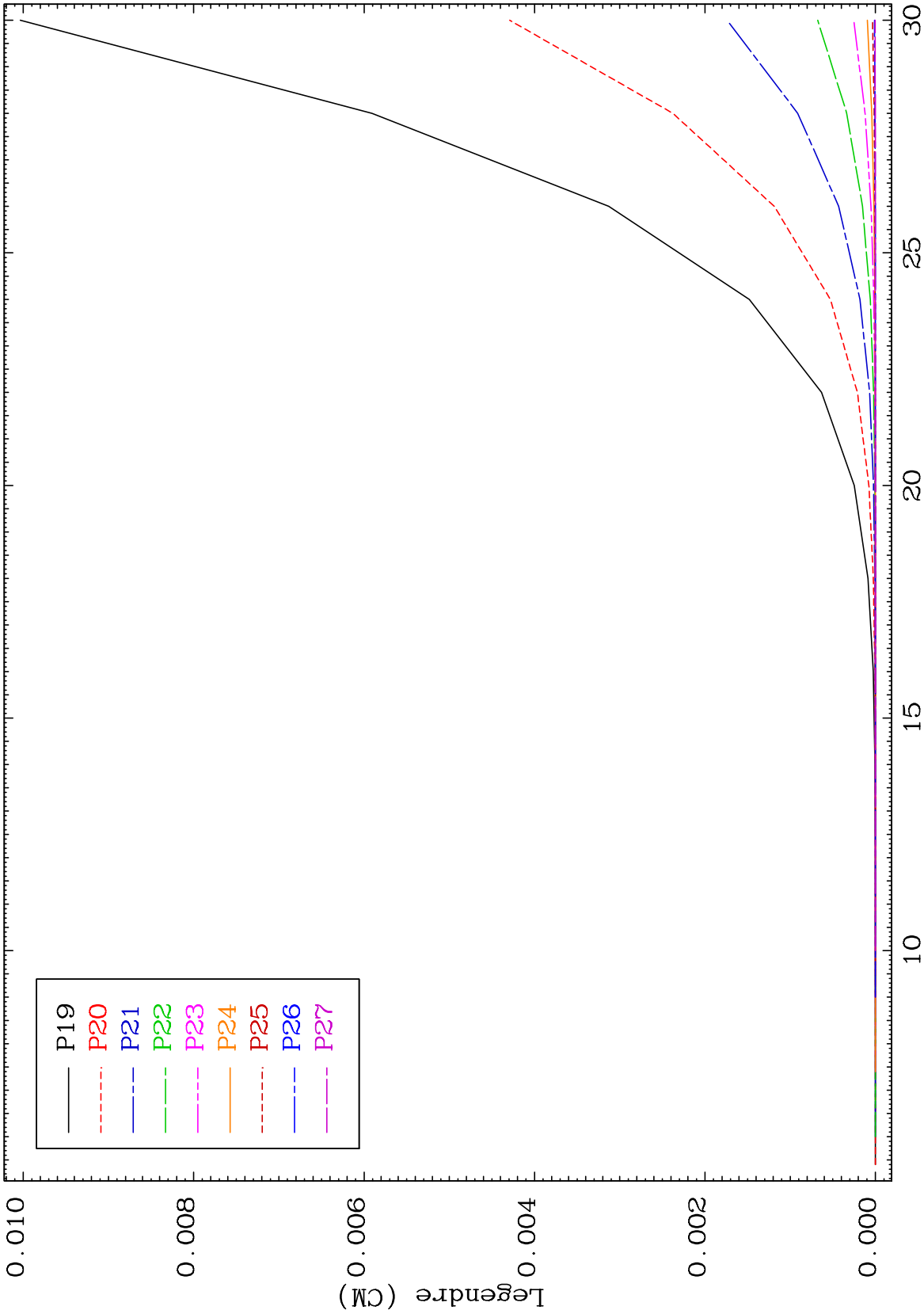
Incident Energy (MeV)

53-I -133

MAT 5343

Elastic Legendre Coefficients

53-I -133



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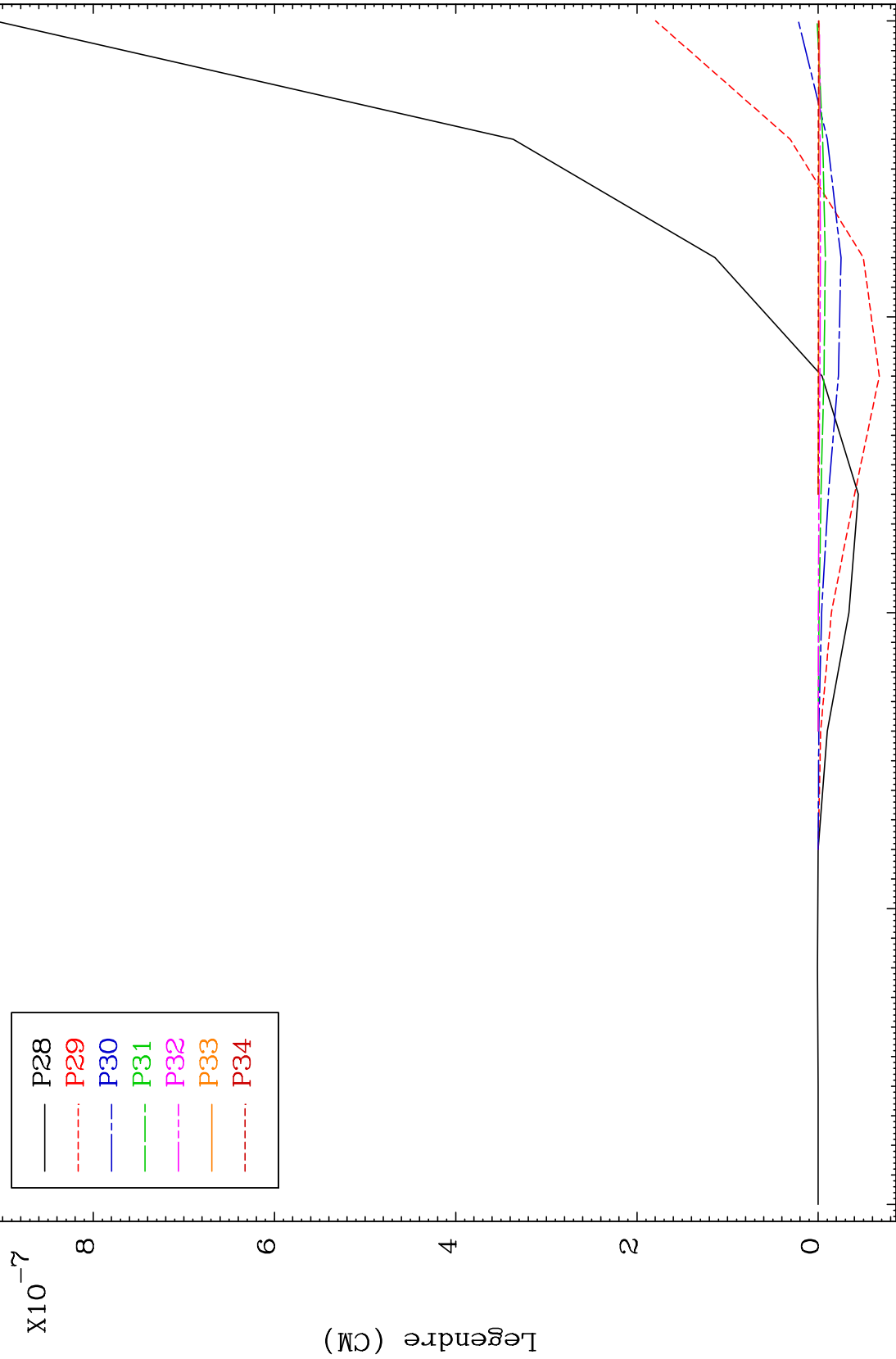
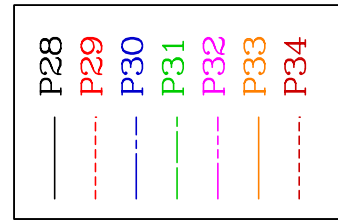
Incident Energy (MeV)

53-I -133

MAT 5343

Elastic Legendre Coefficients

53-I -133



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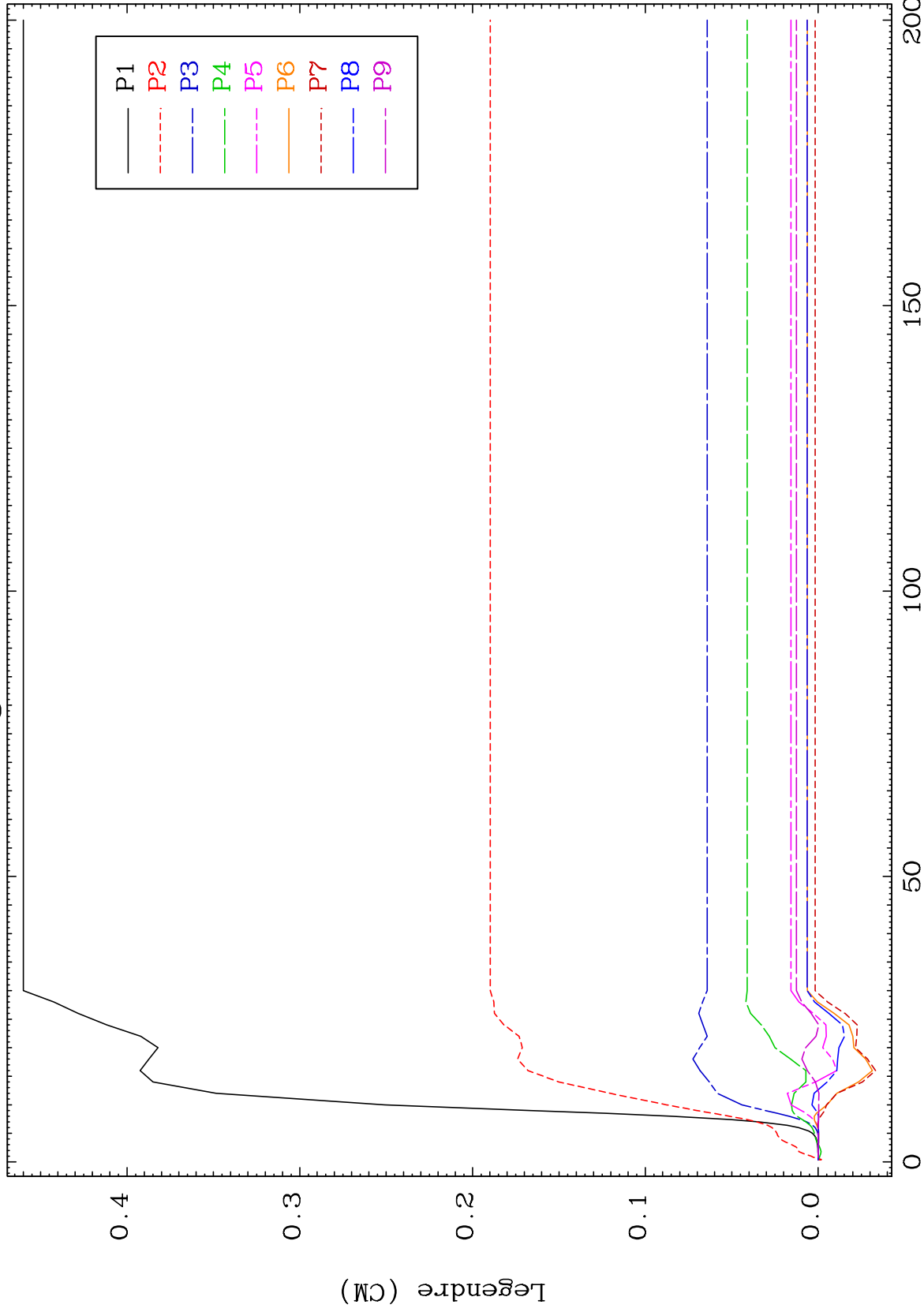
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



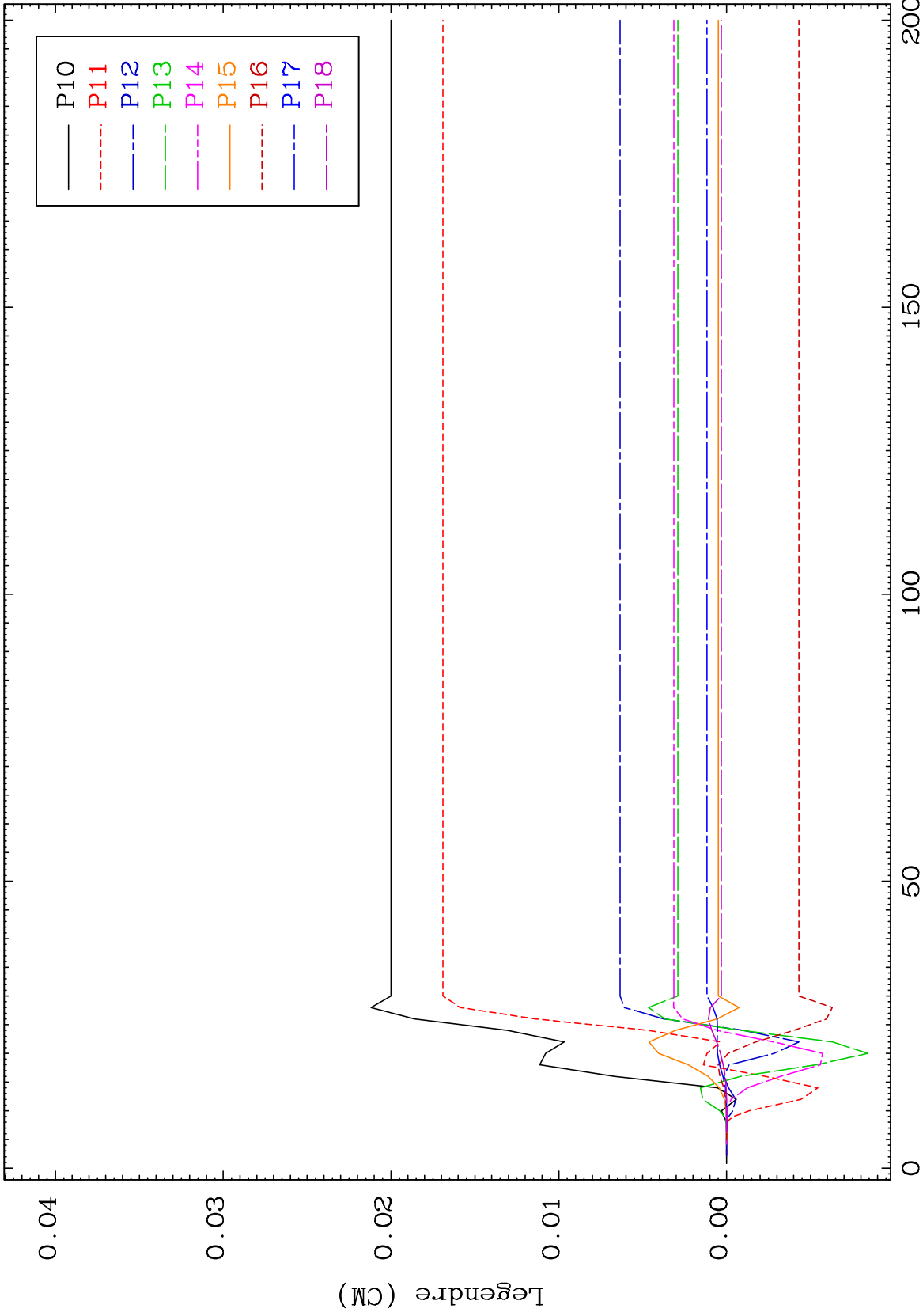
53-I -133

Incident Energy (MeV)

MAT 5343

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

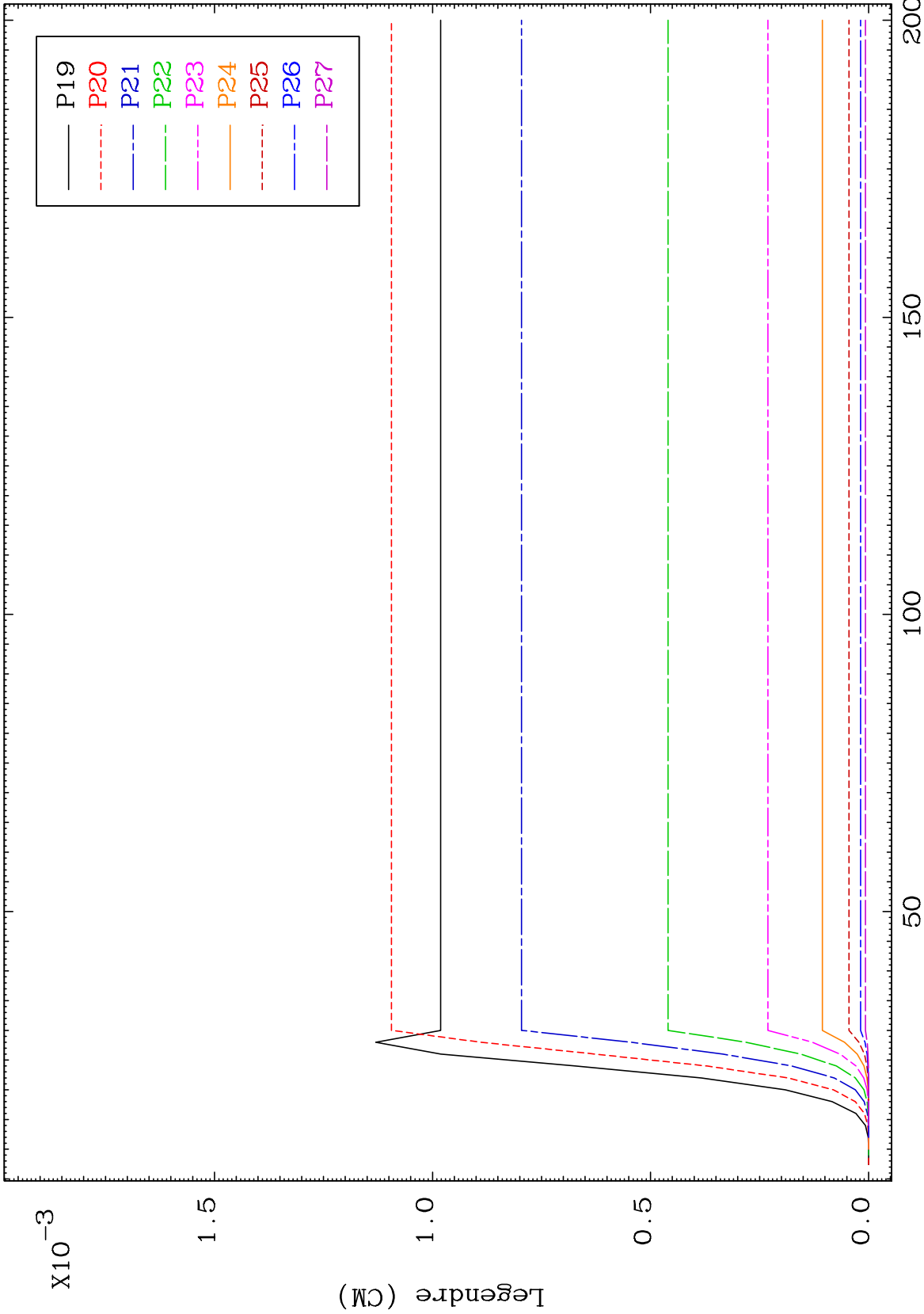
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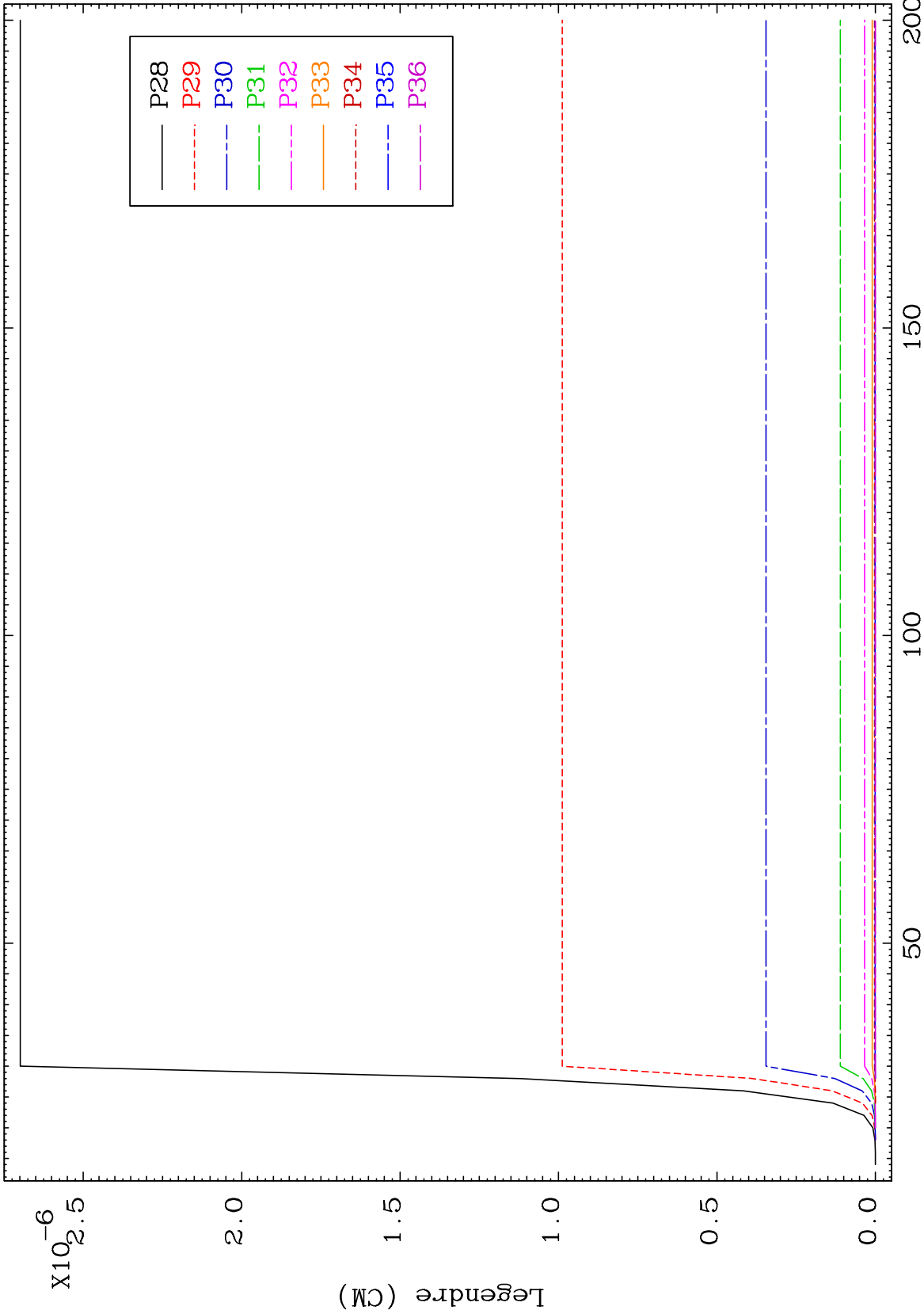


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Incident Energy (MeV)

53-I -133

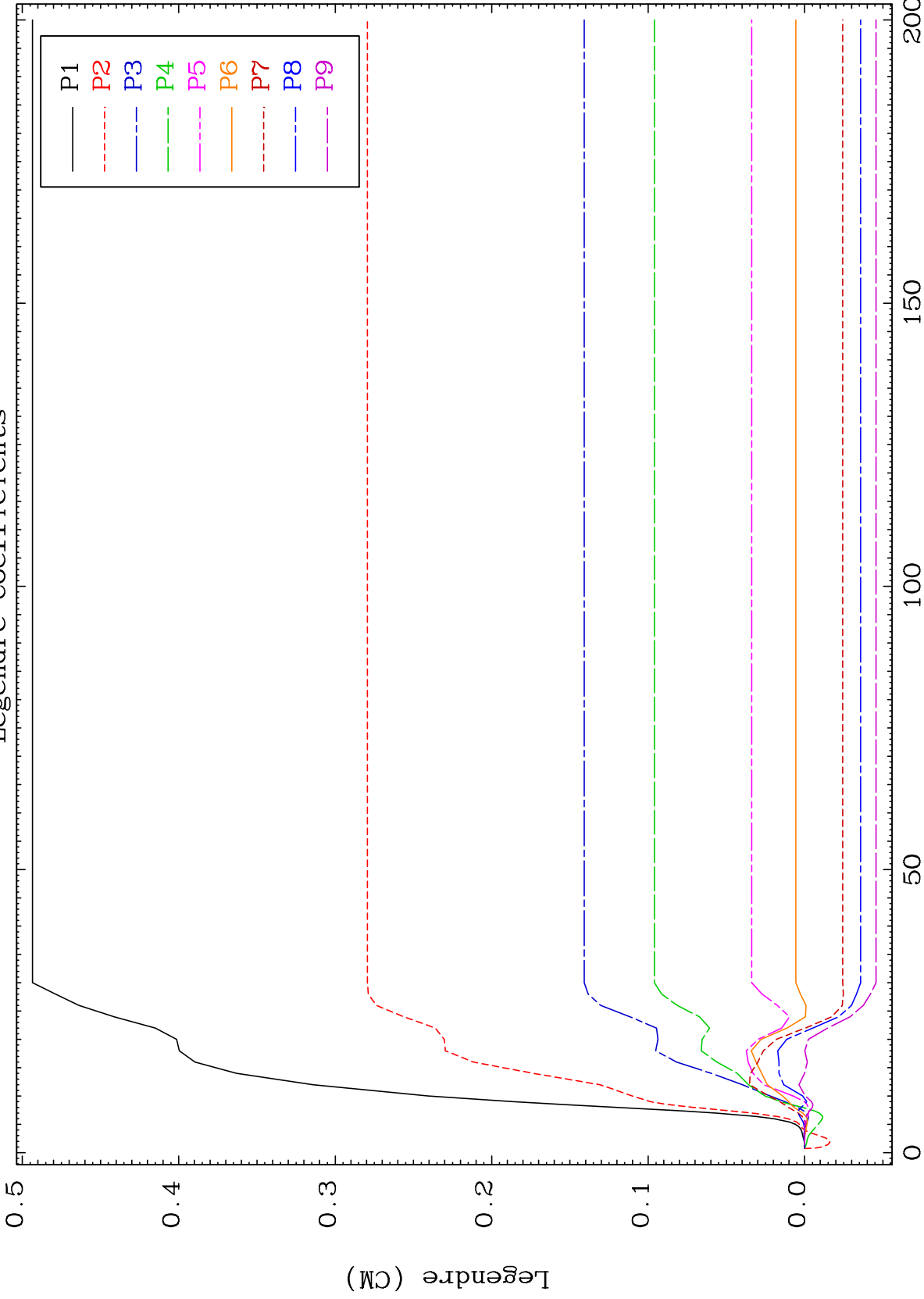




MAT 5343

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

53-I -133



24

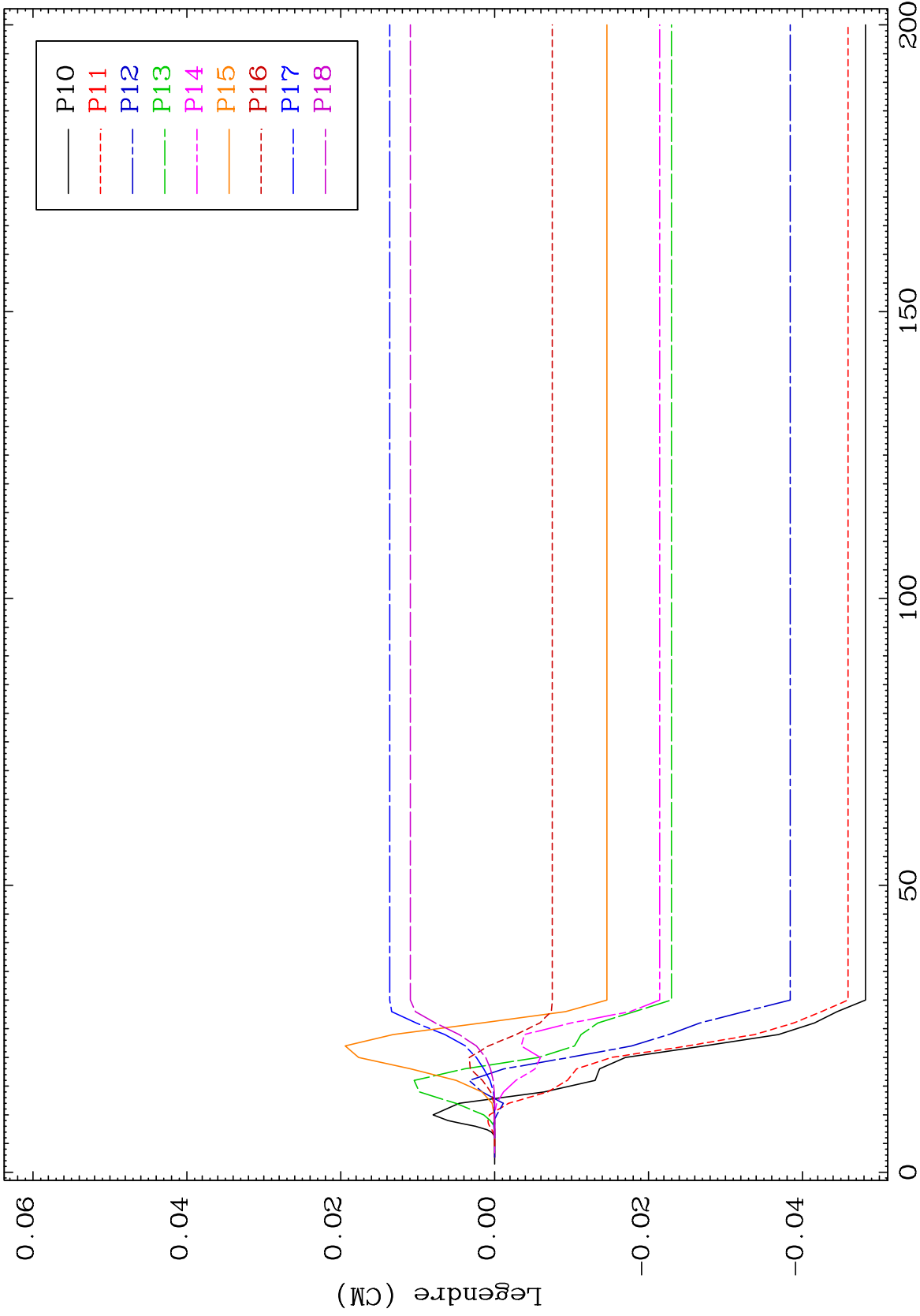
Incident Energy (MeV)

53-I -133

MAT 5343

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

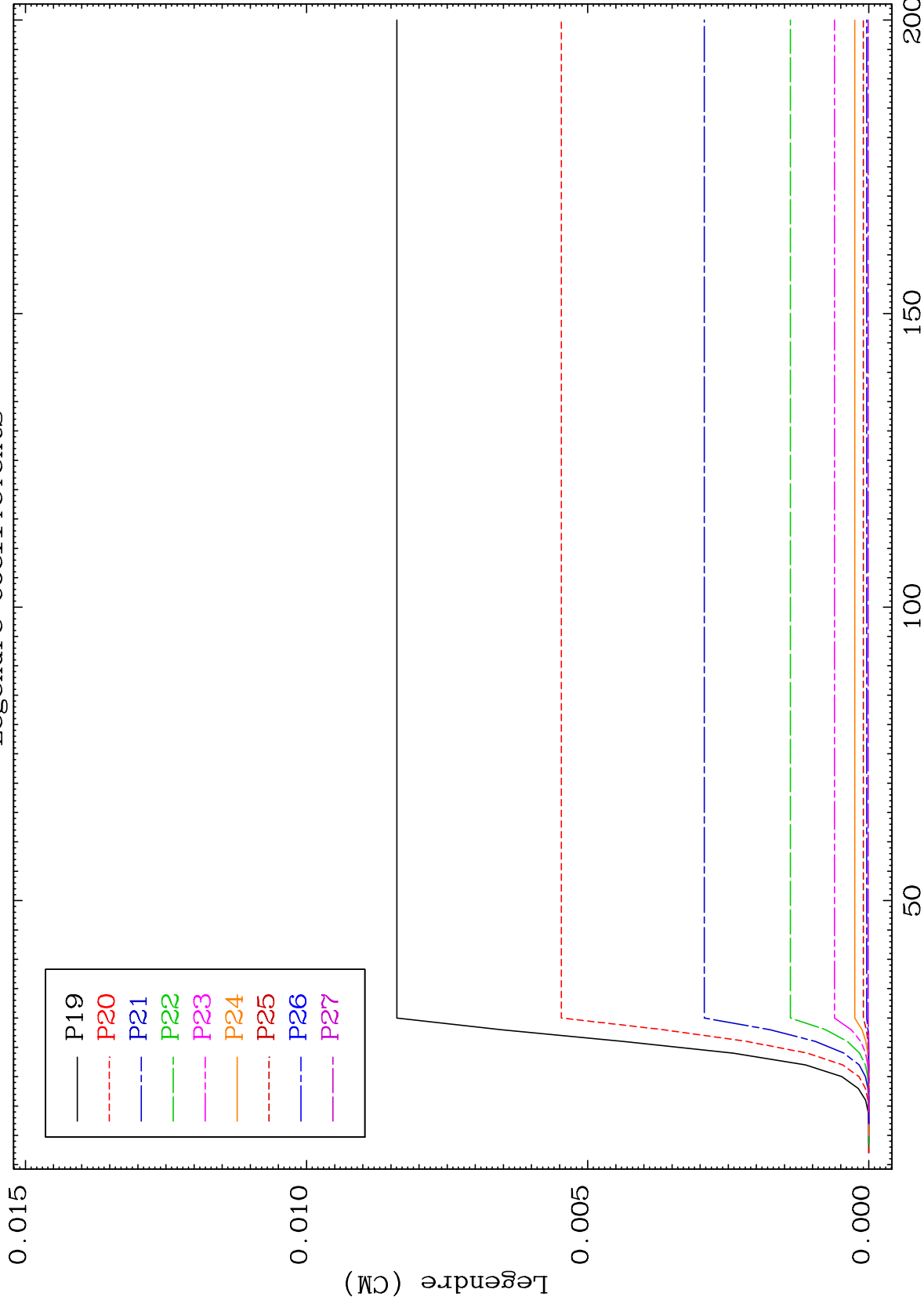
53-I -133



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Incident Energy (MeV)

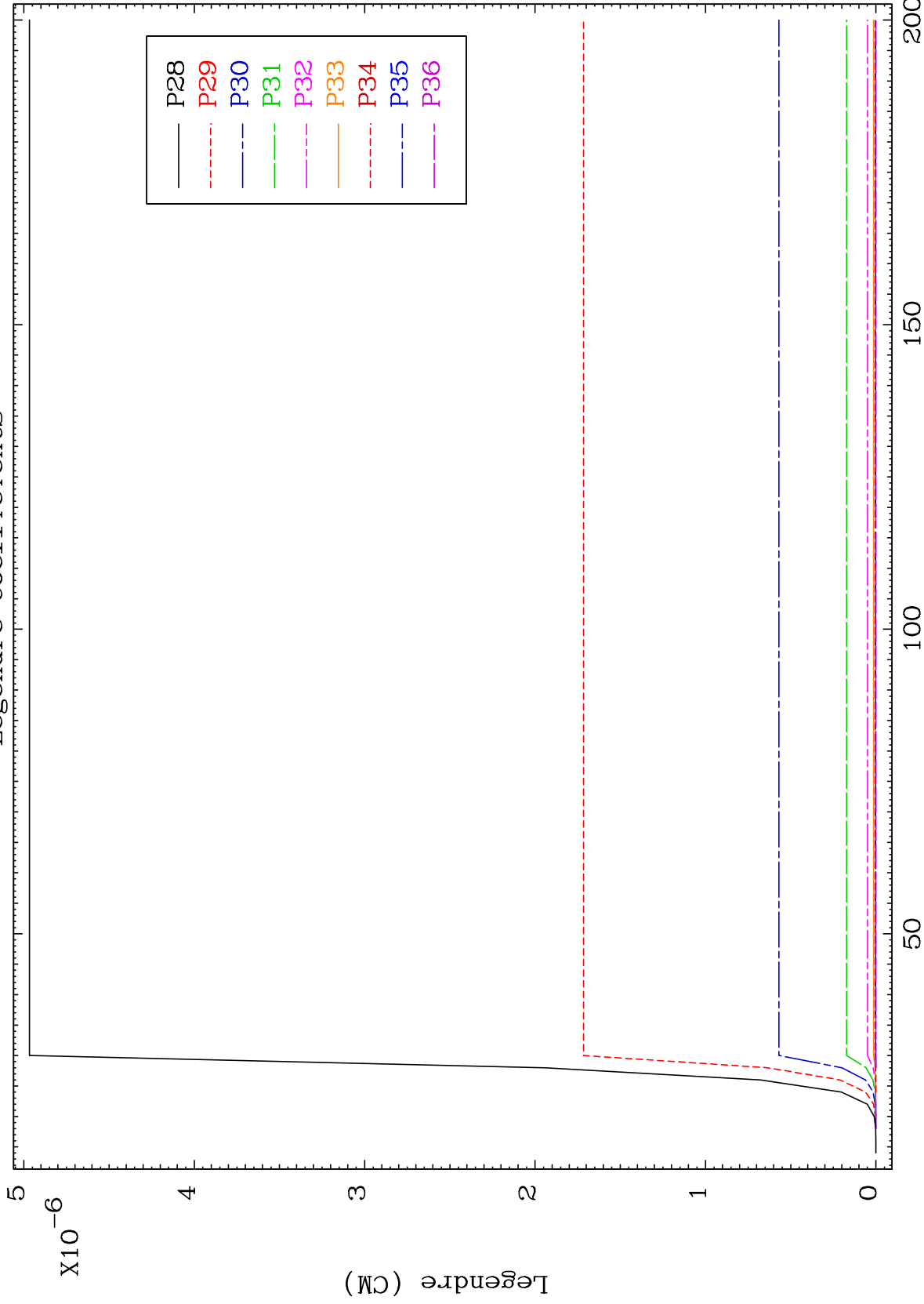
53-I -133



MAT 5343

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

53-I -133



27

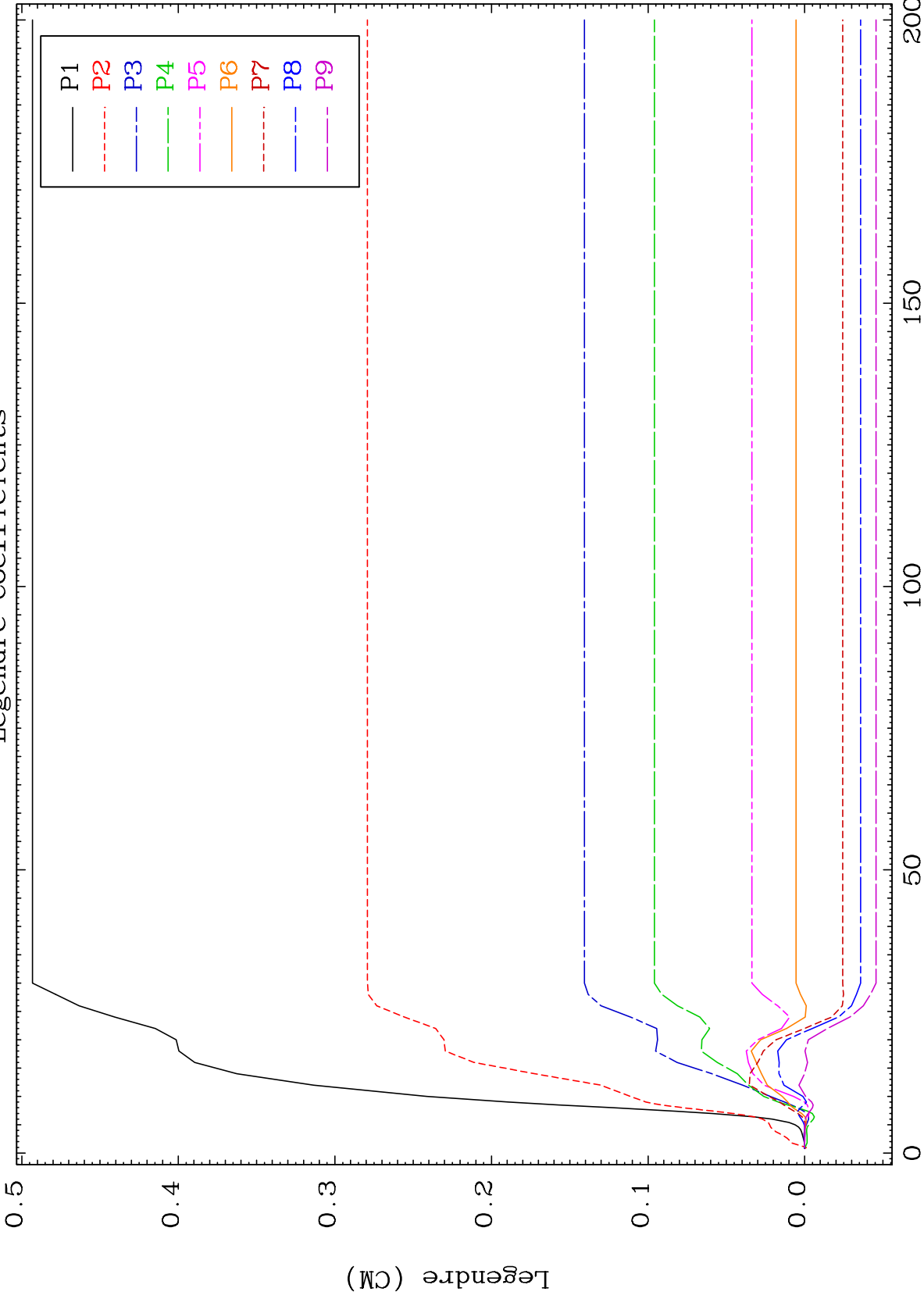
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



28

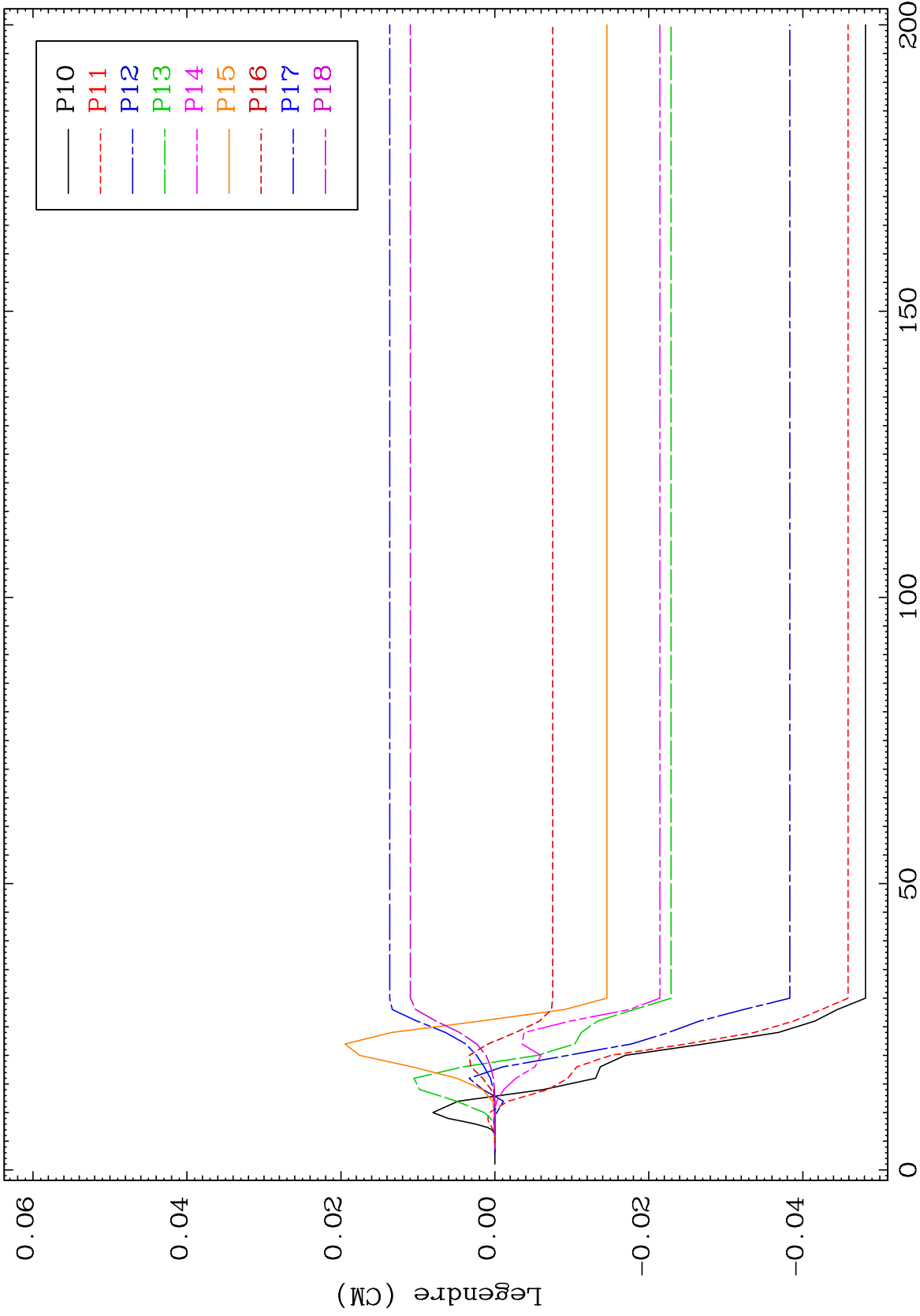
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



29

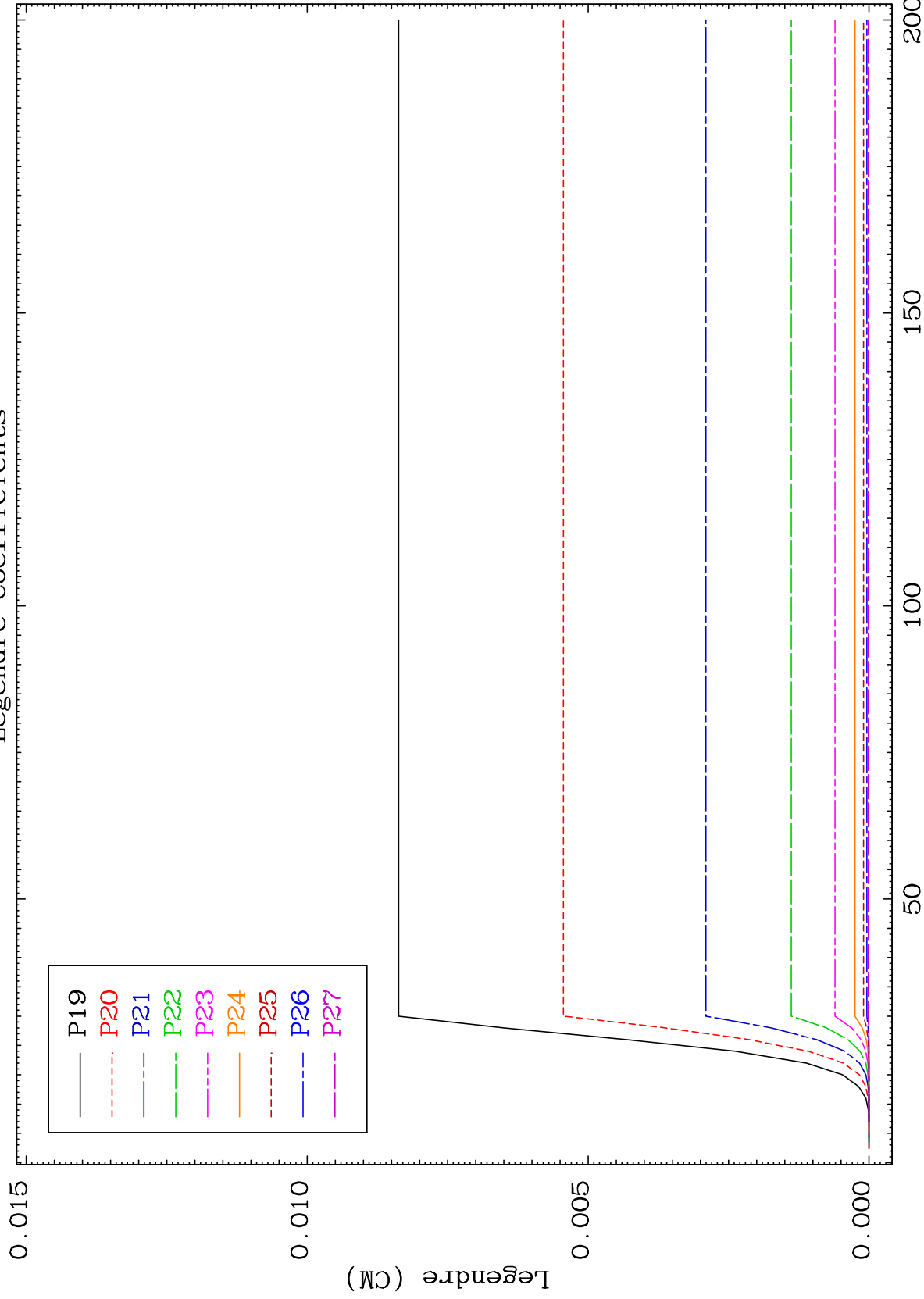
Incident Energy (MeV)

53-I -133

MAT 5343

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

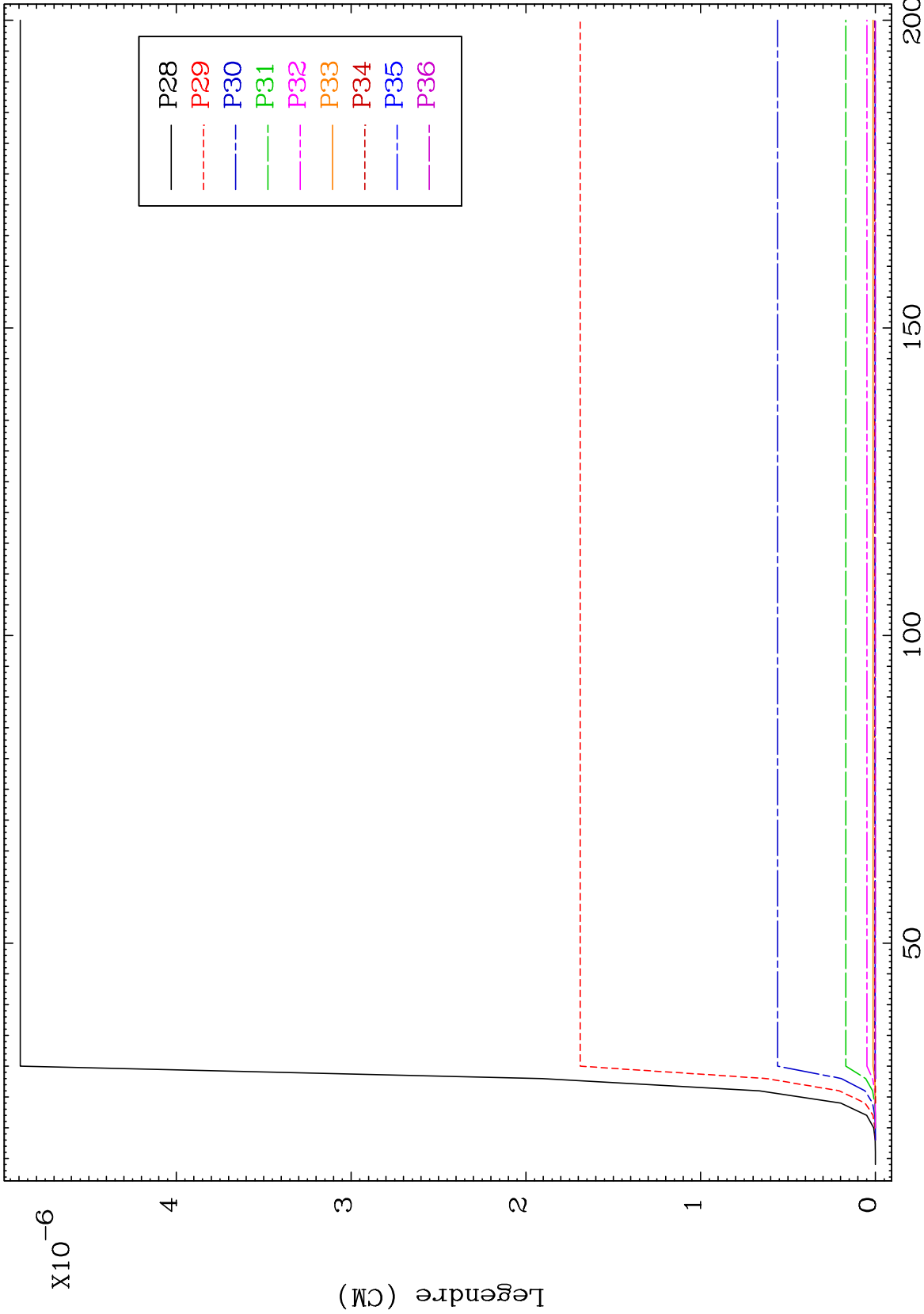
53-I -133



30

Incident Energy (MeV)

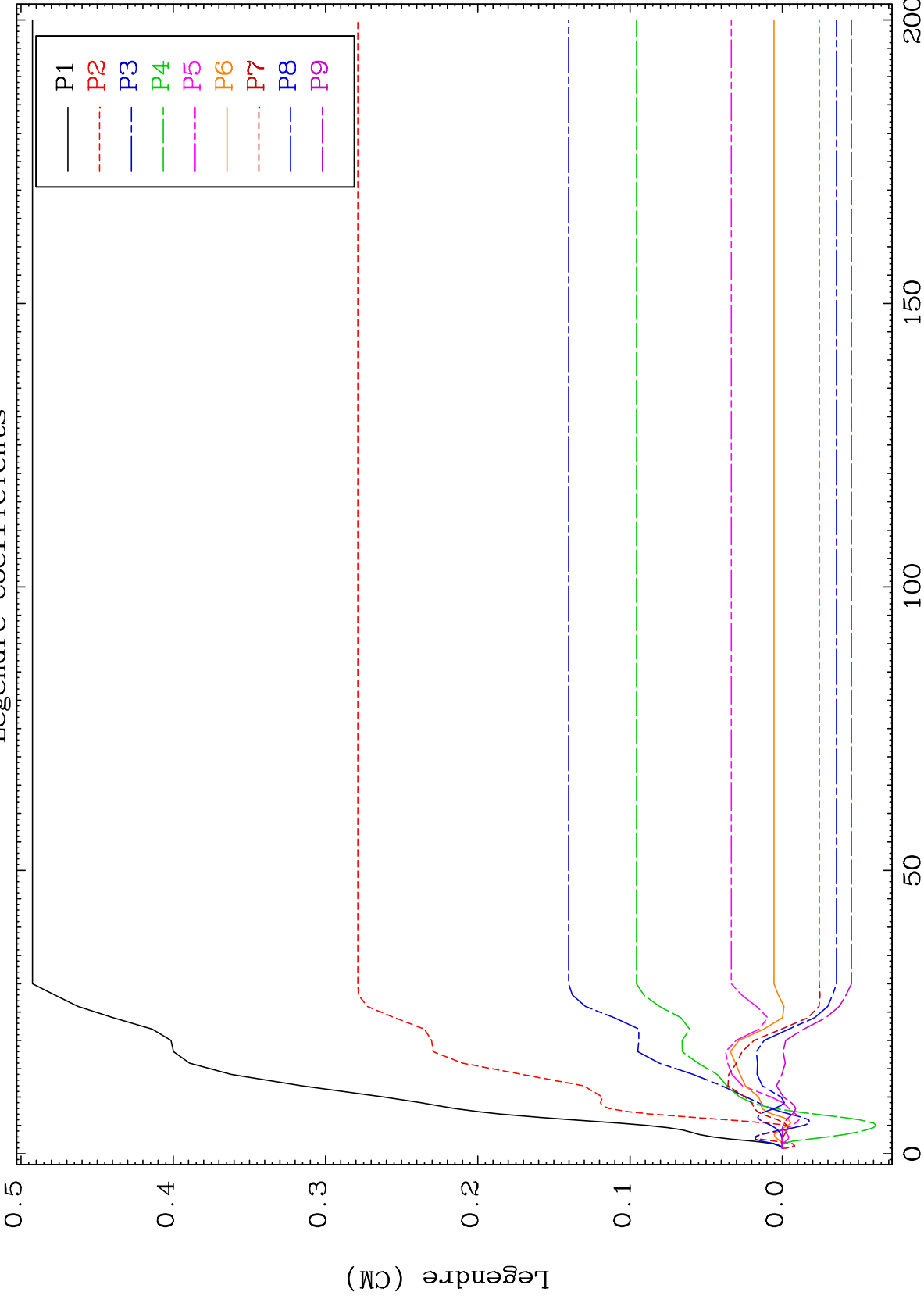
53-I -133



MAT 5343

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

53-I -133



32

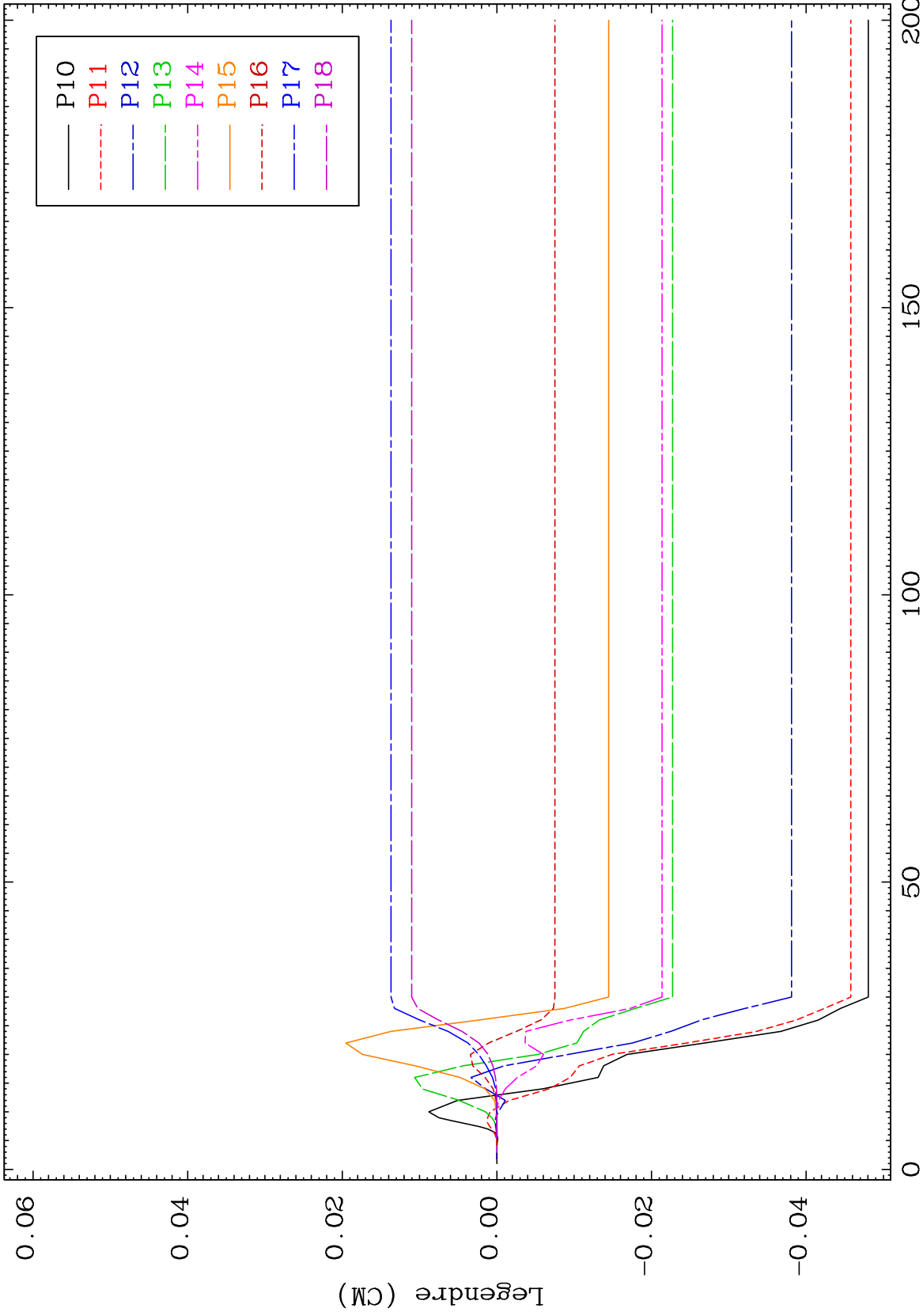
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



33

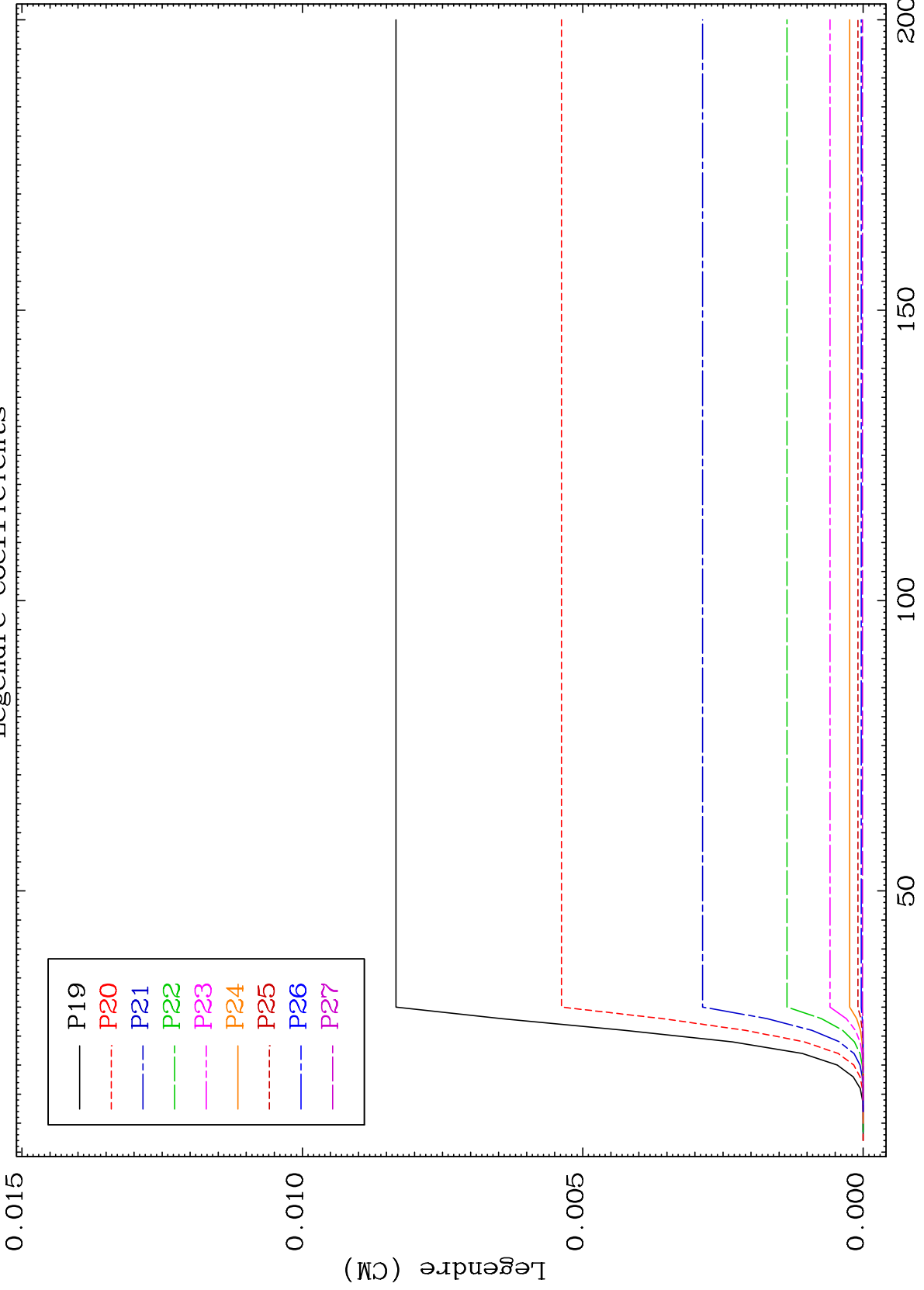
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



34

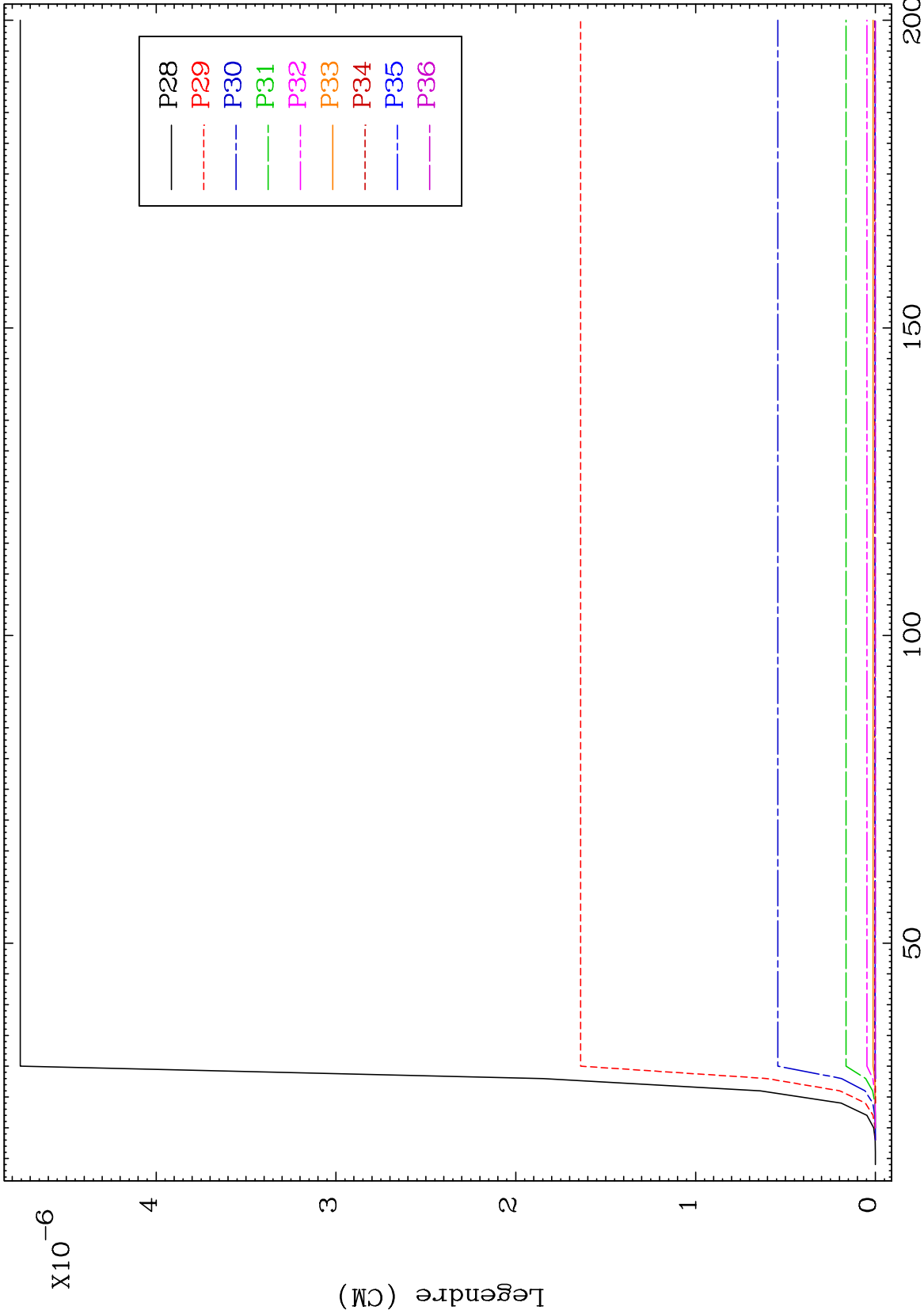
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



35

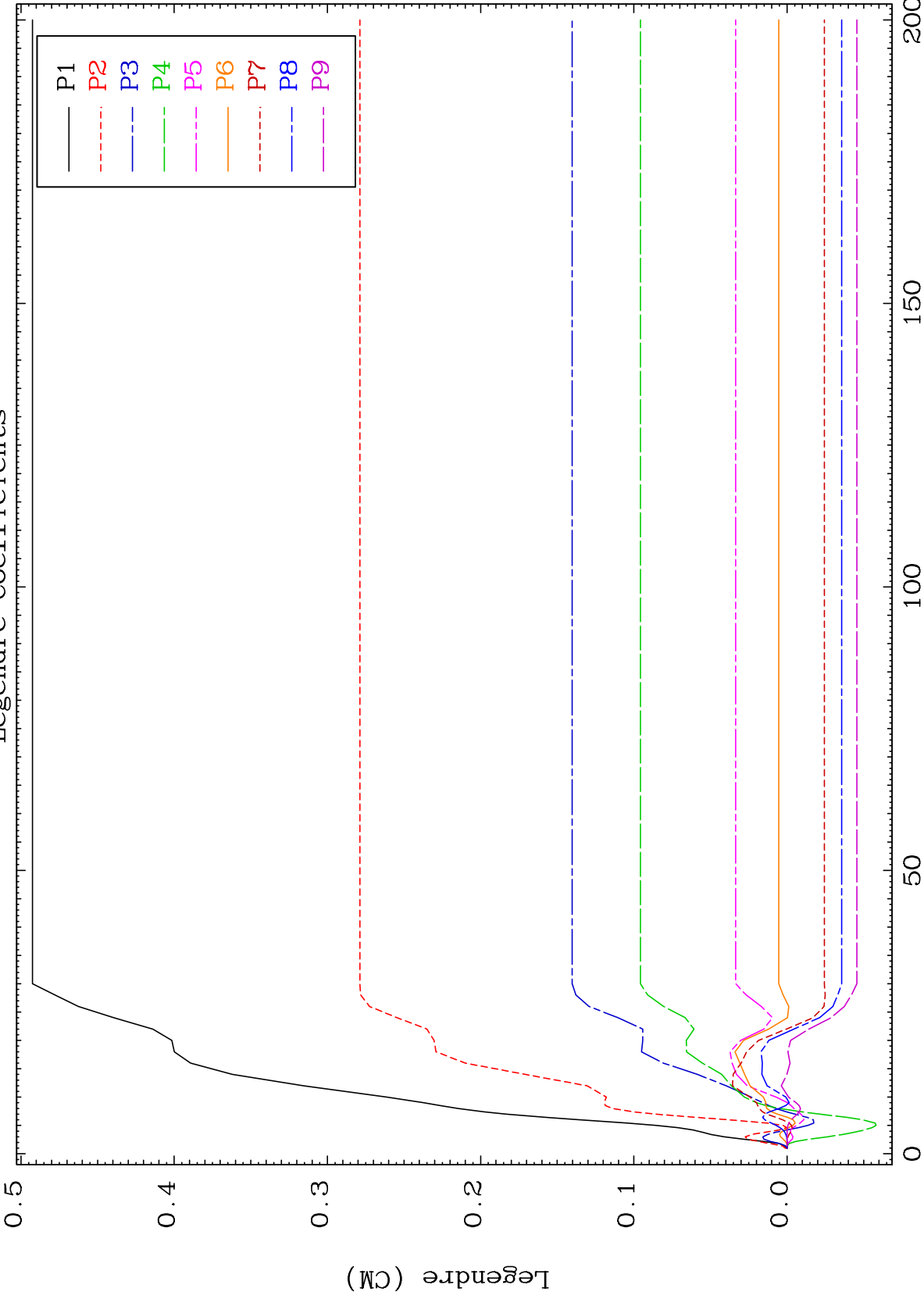
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



36

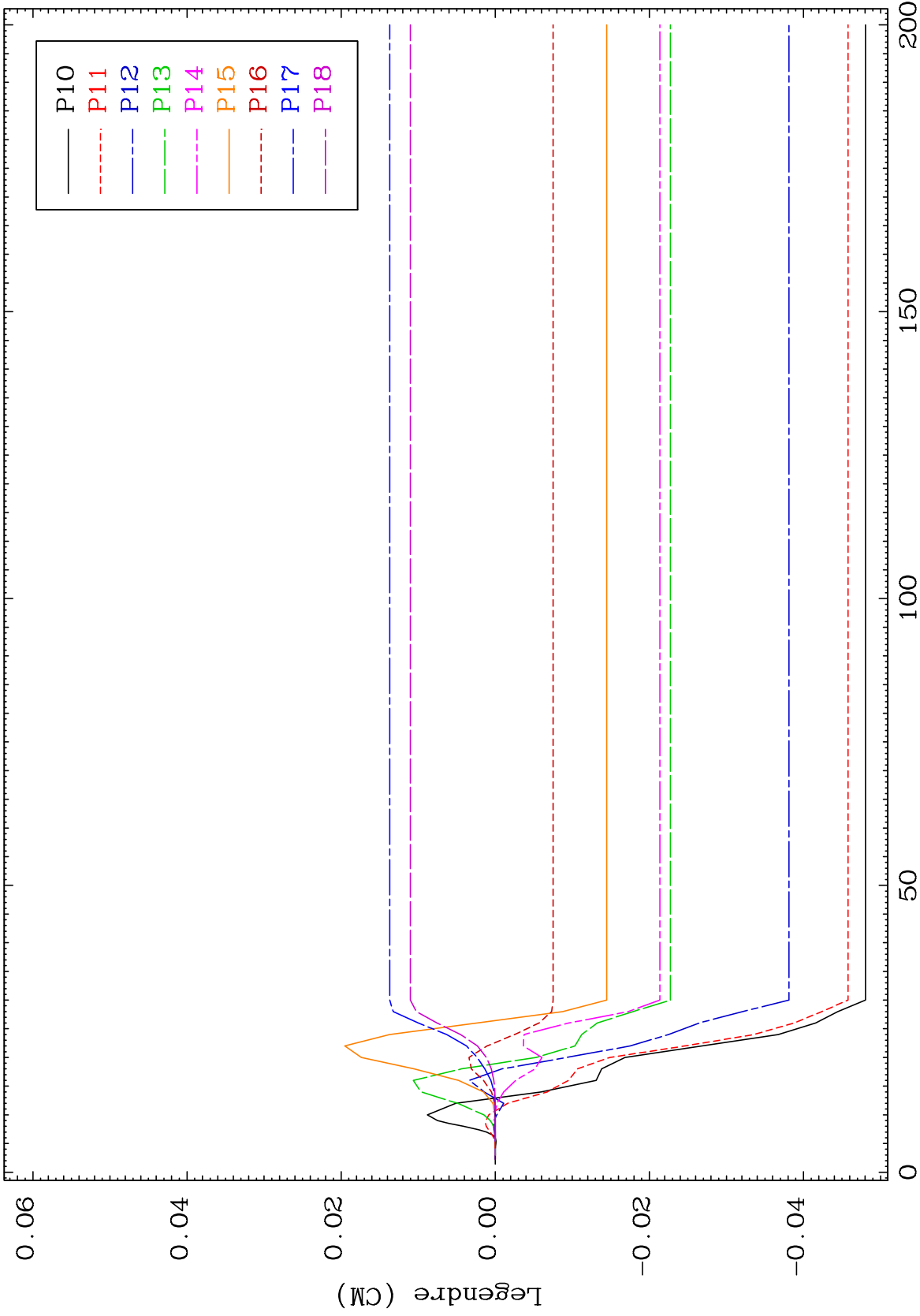
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



37

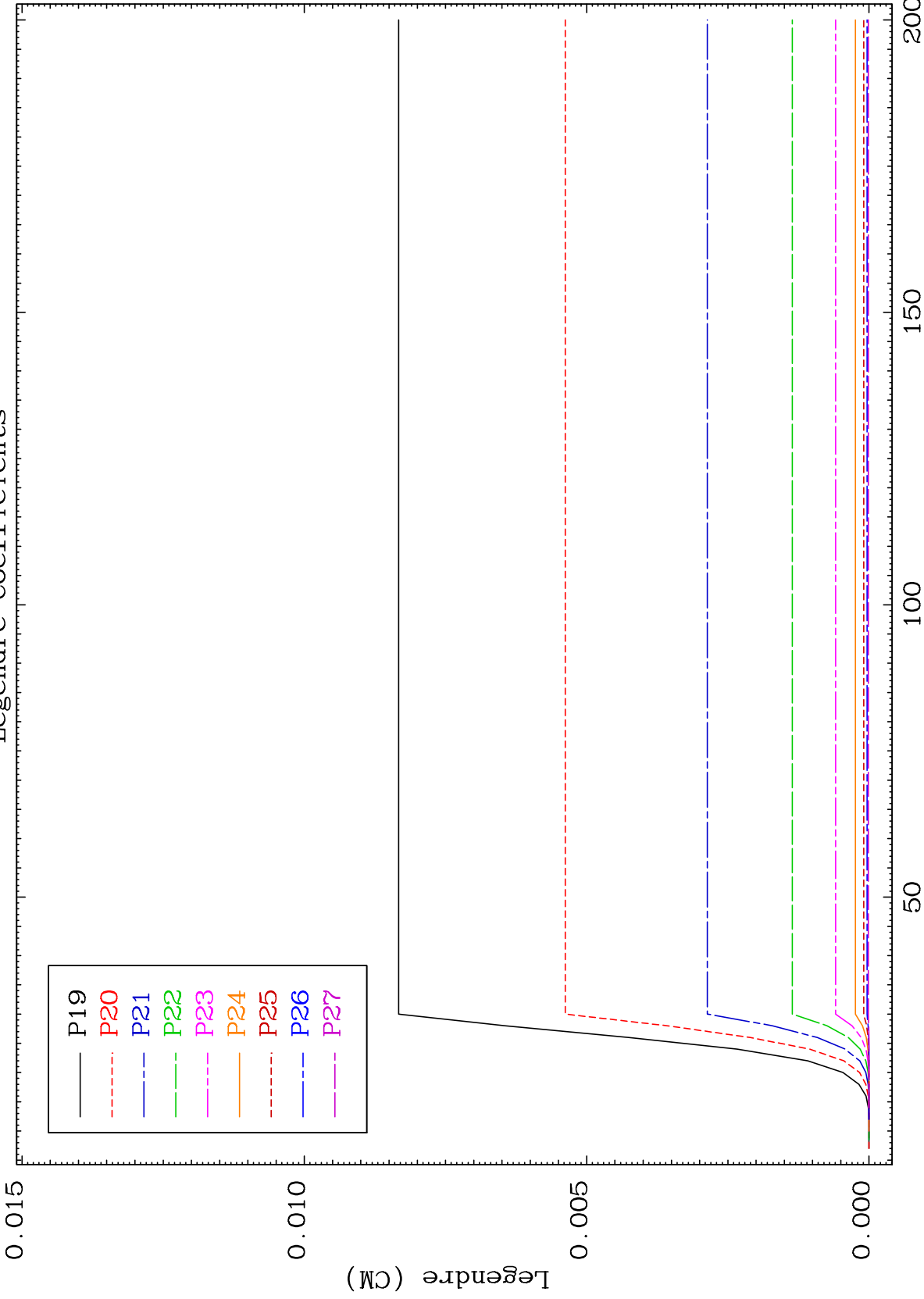
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



38

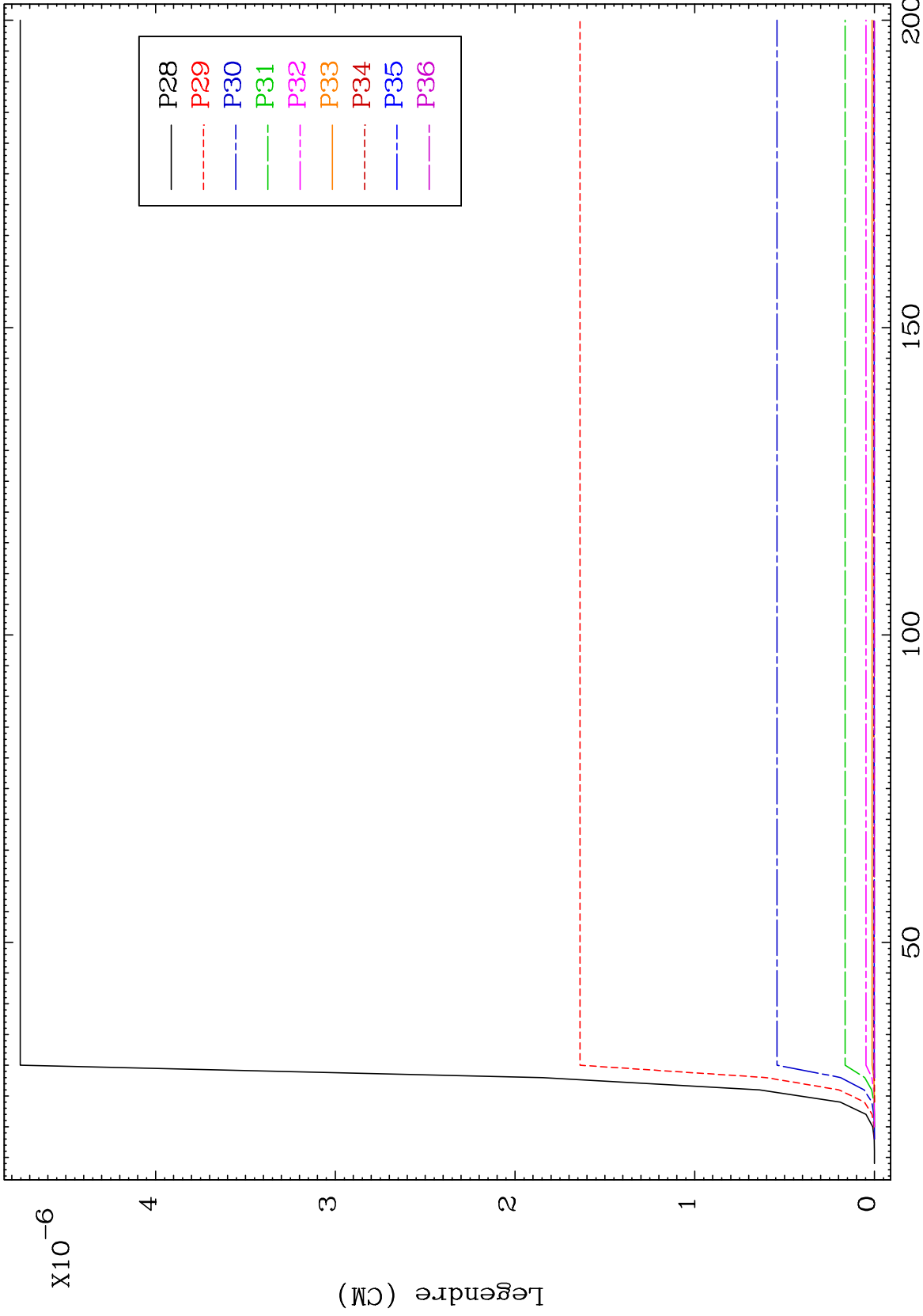
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



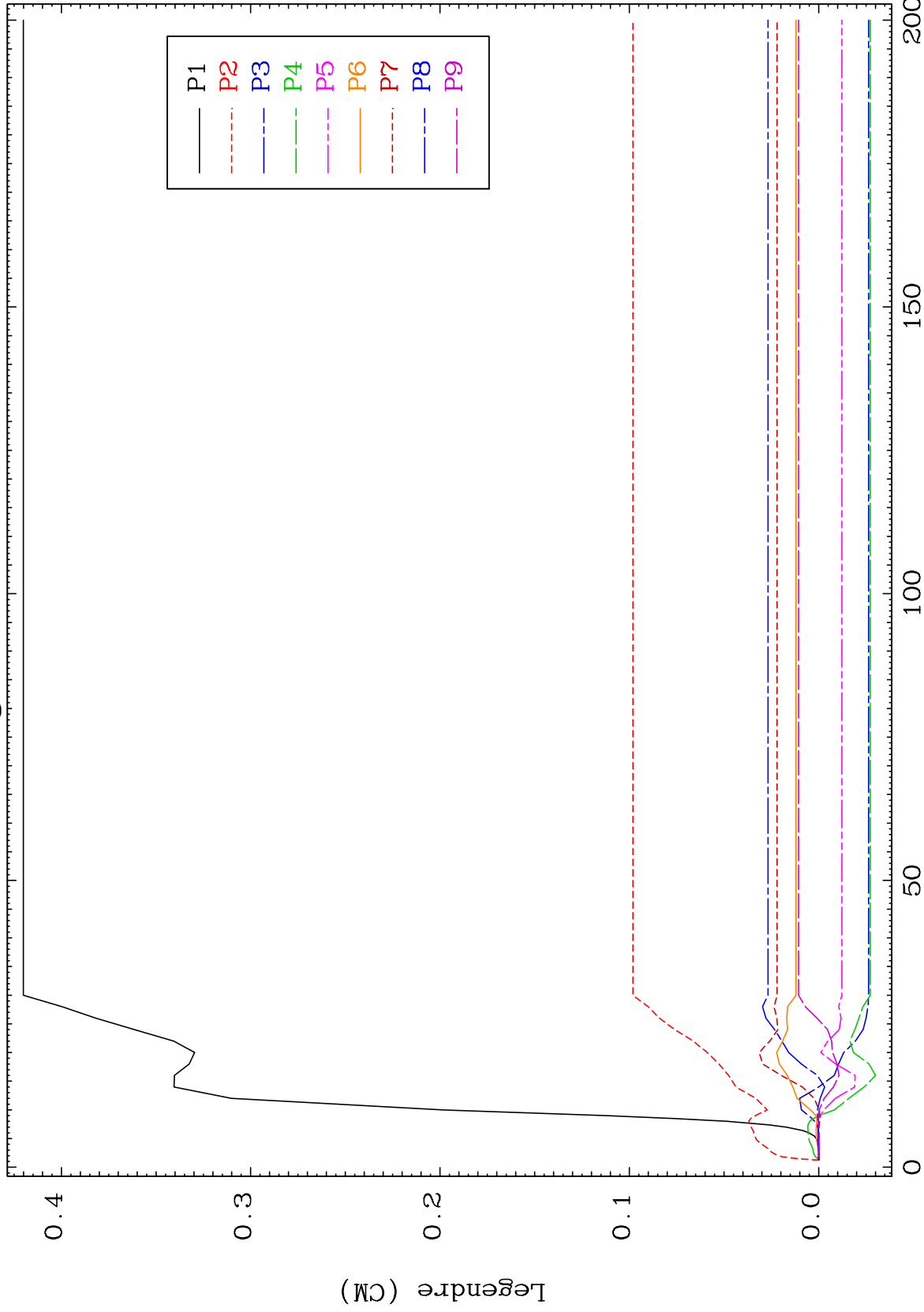
39

53-I -133

MAT 5343

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

53-I -133



53-I -133

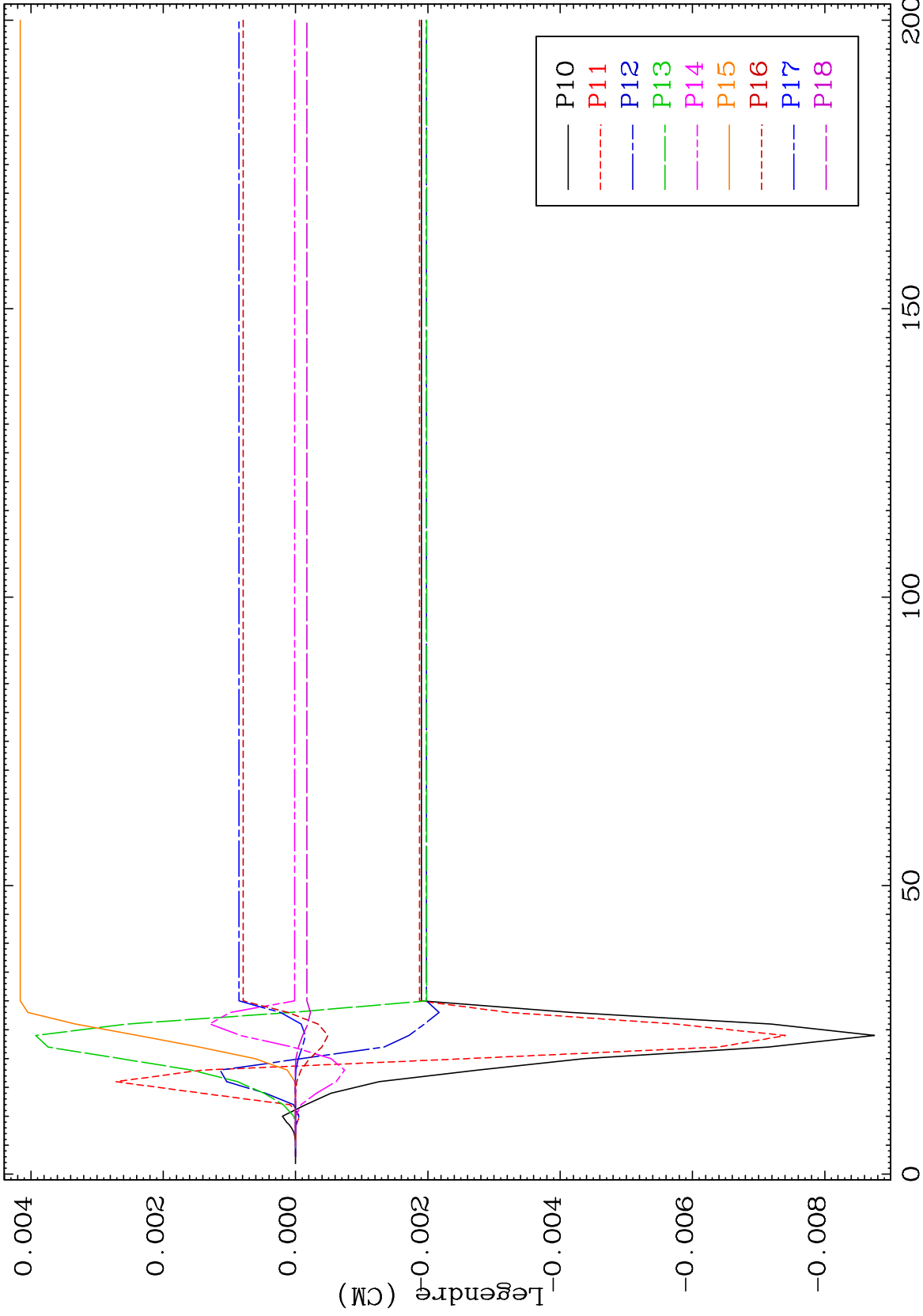
Incident Energy (MeV)

40

MAT 5343

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

53-I -133



41

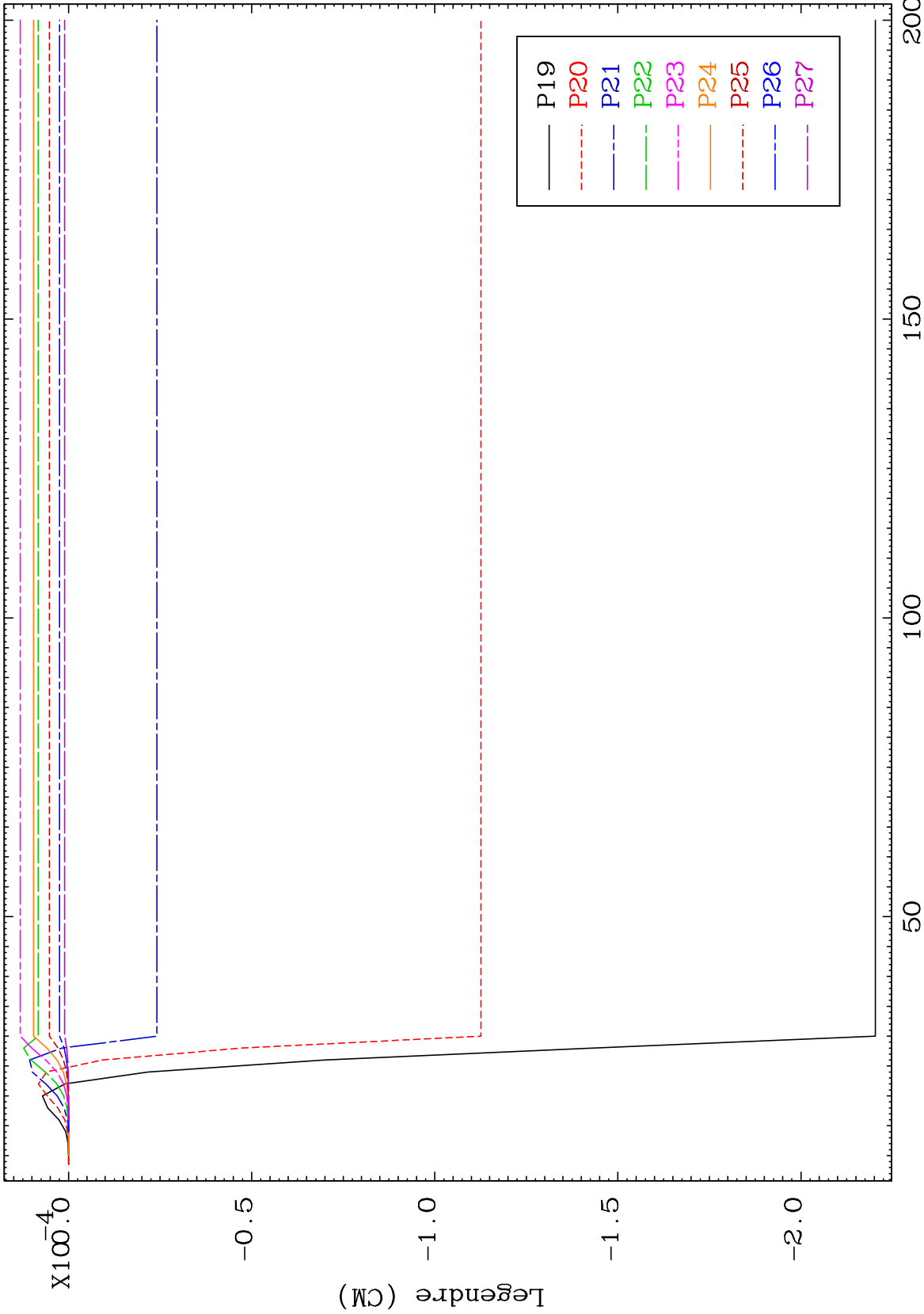
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



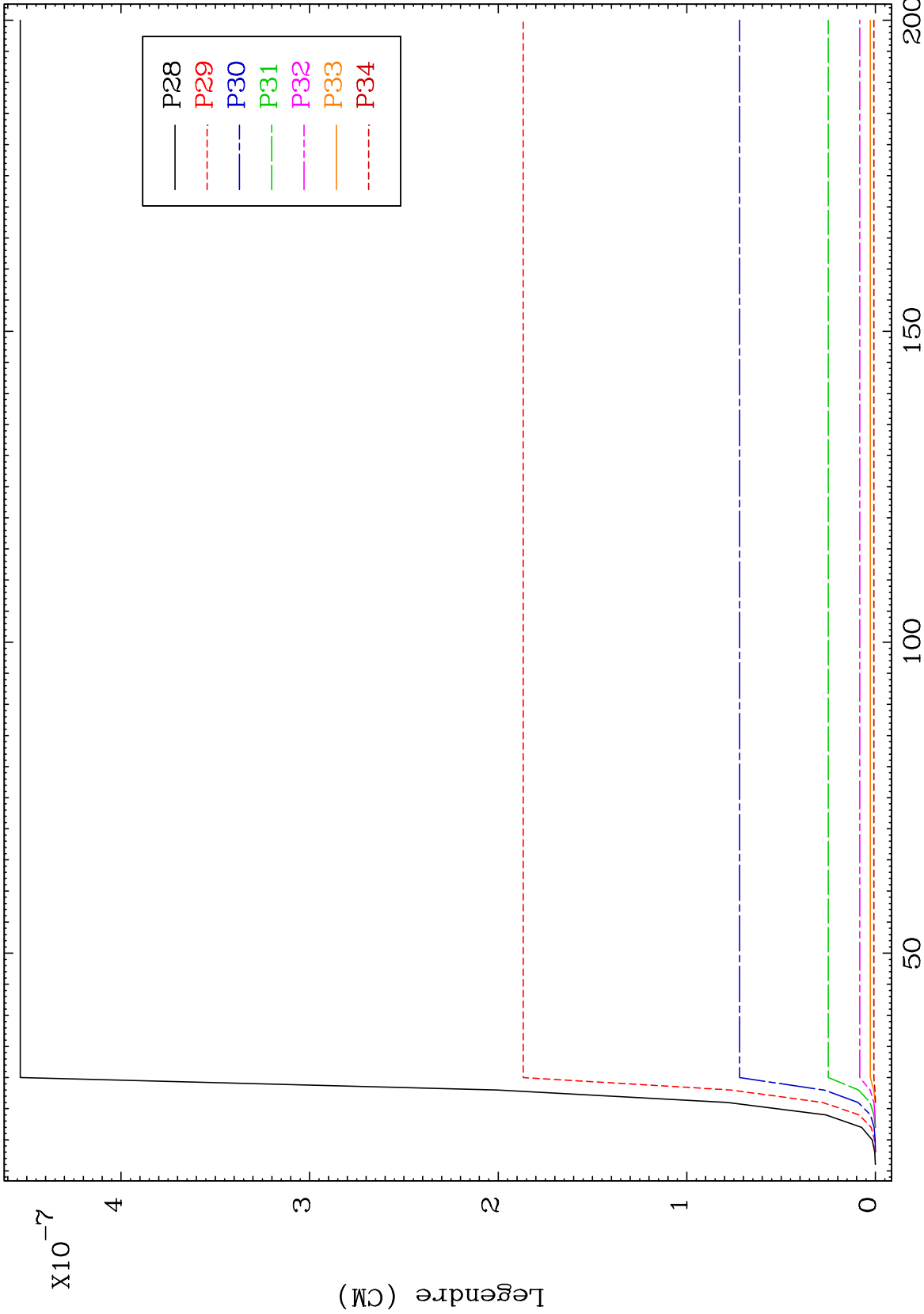
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53-I -133

MAT 5343

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

53-I -133



43

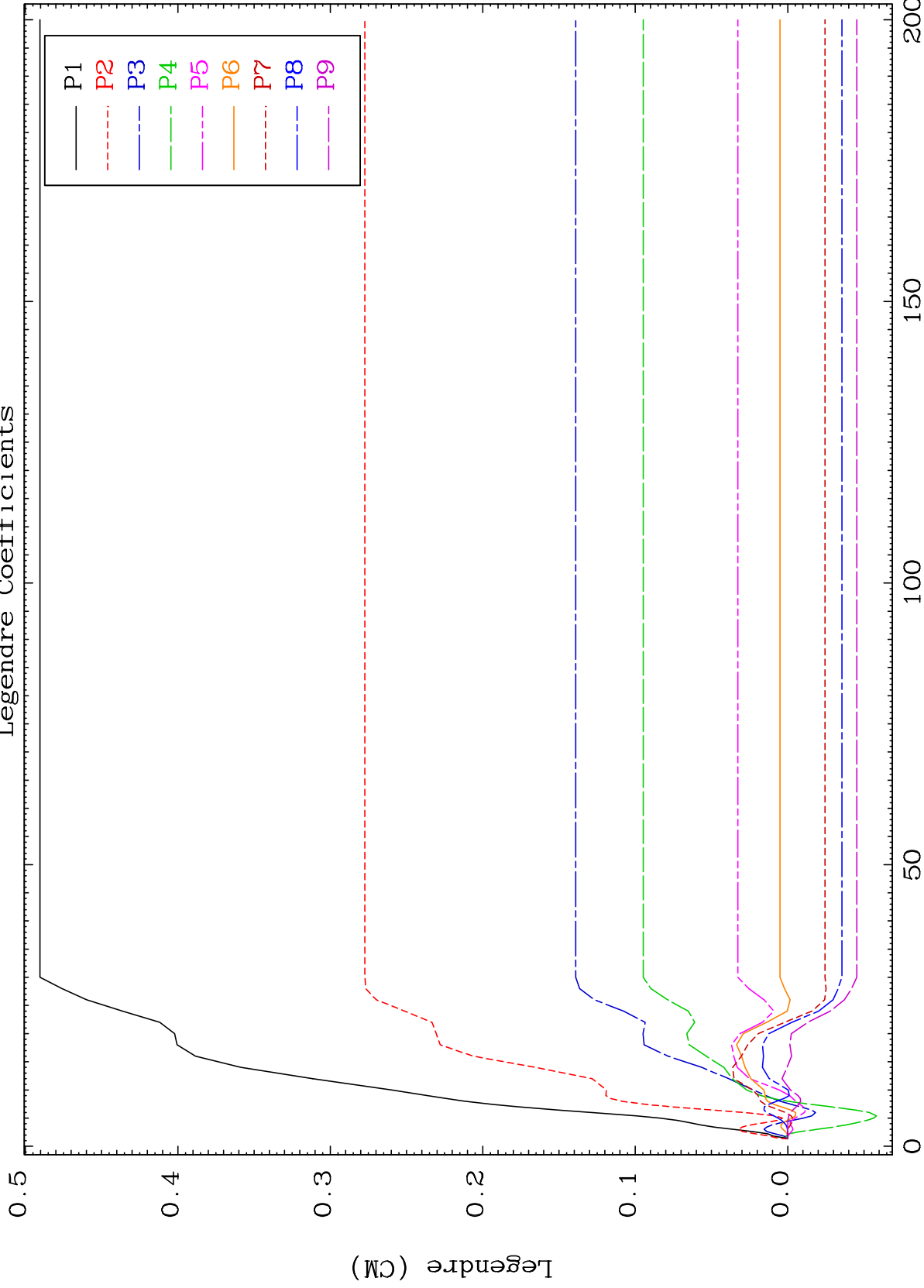
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



44

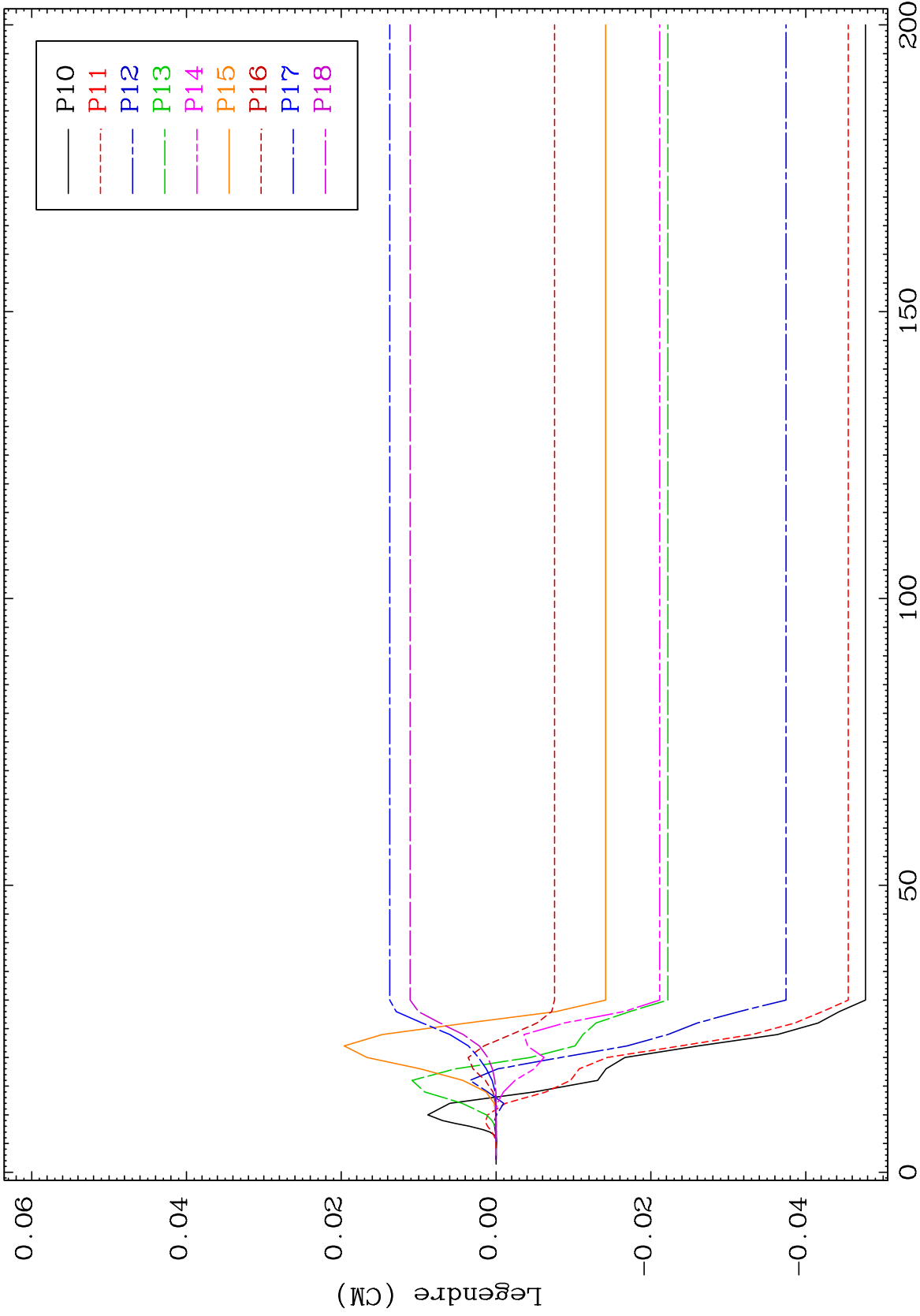
Incident Energy (MeV)

53-I -133

MAT 5343

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

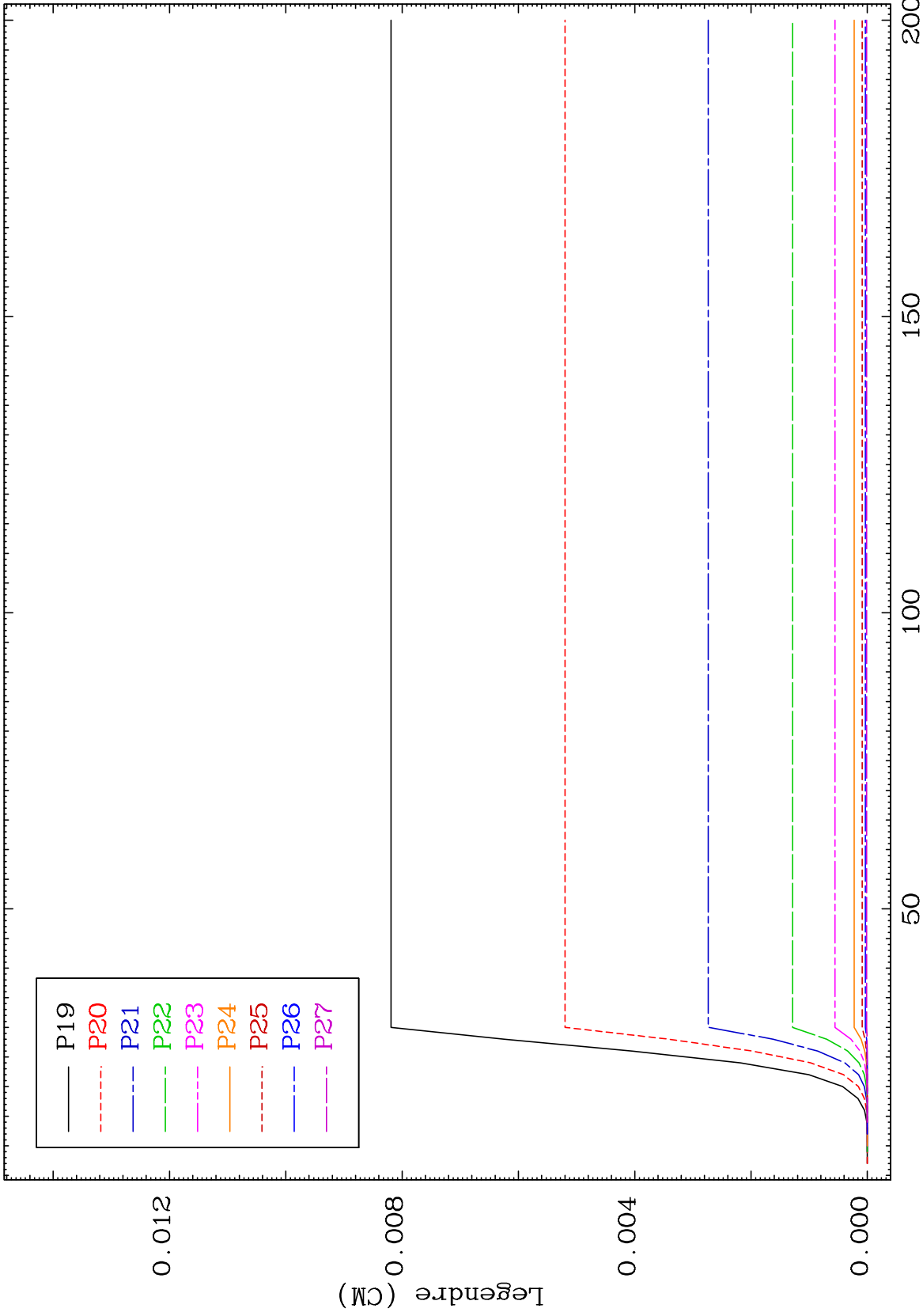
53-I -133



45

Incident Energy (MeV)

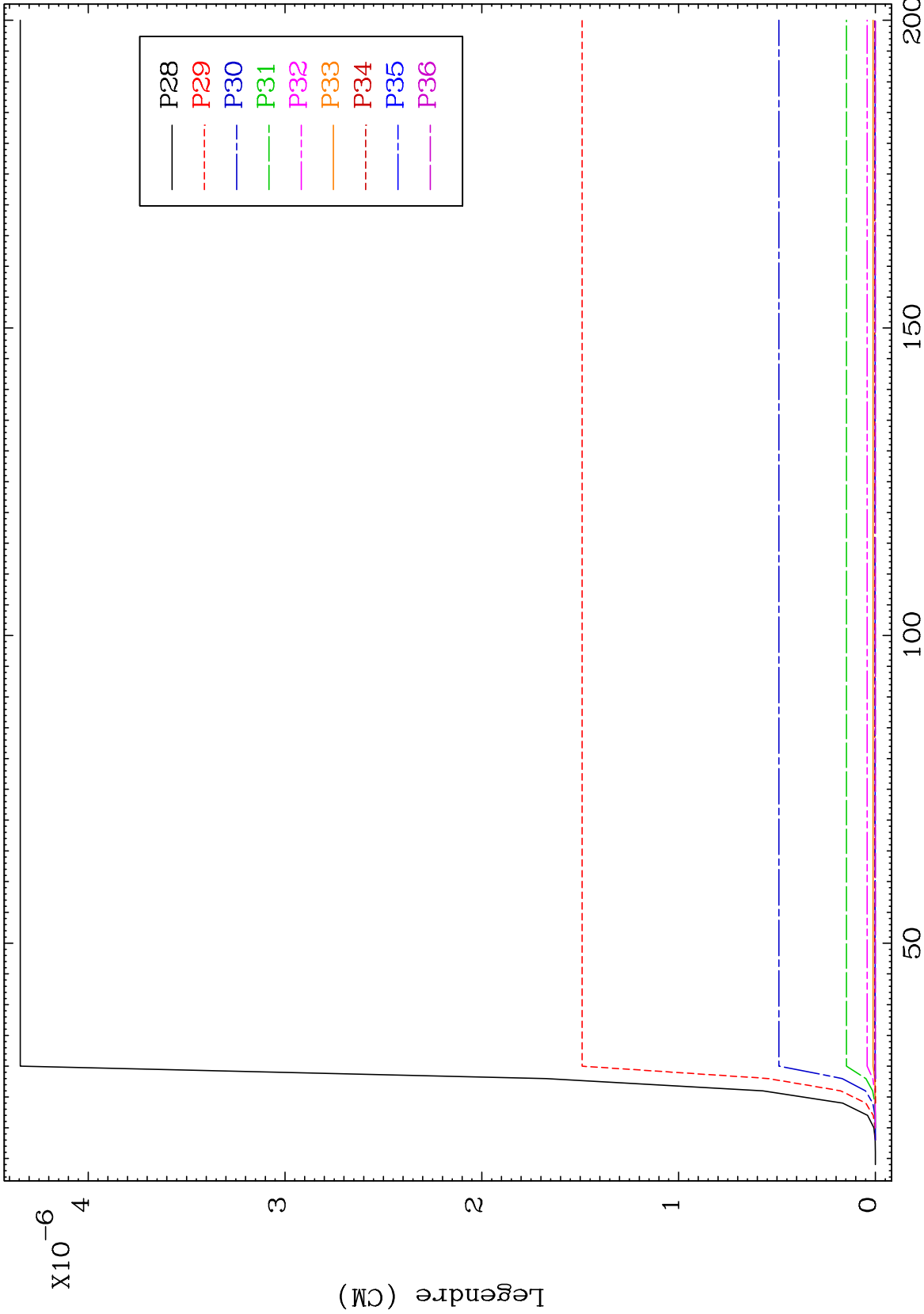
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MAT 5343

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

53-I -133



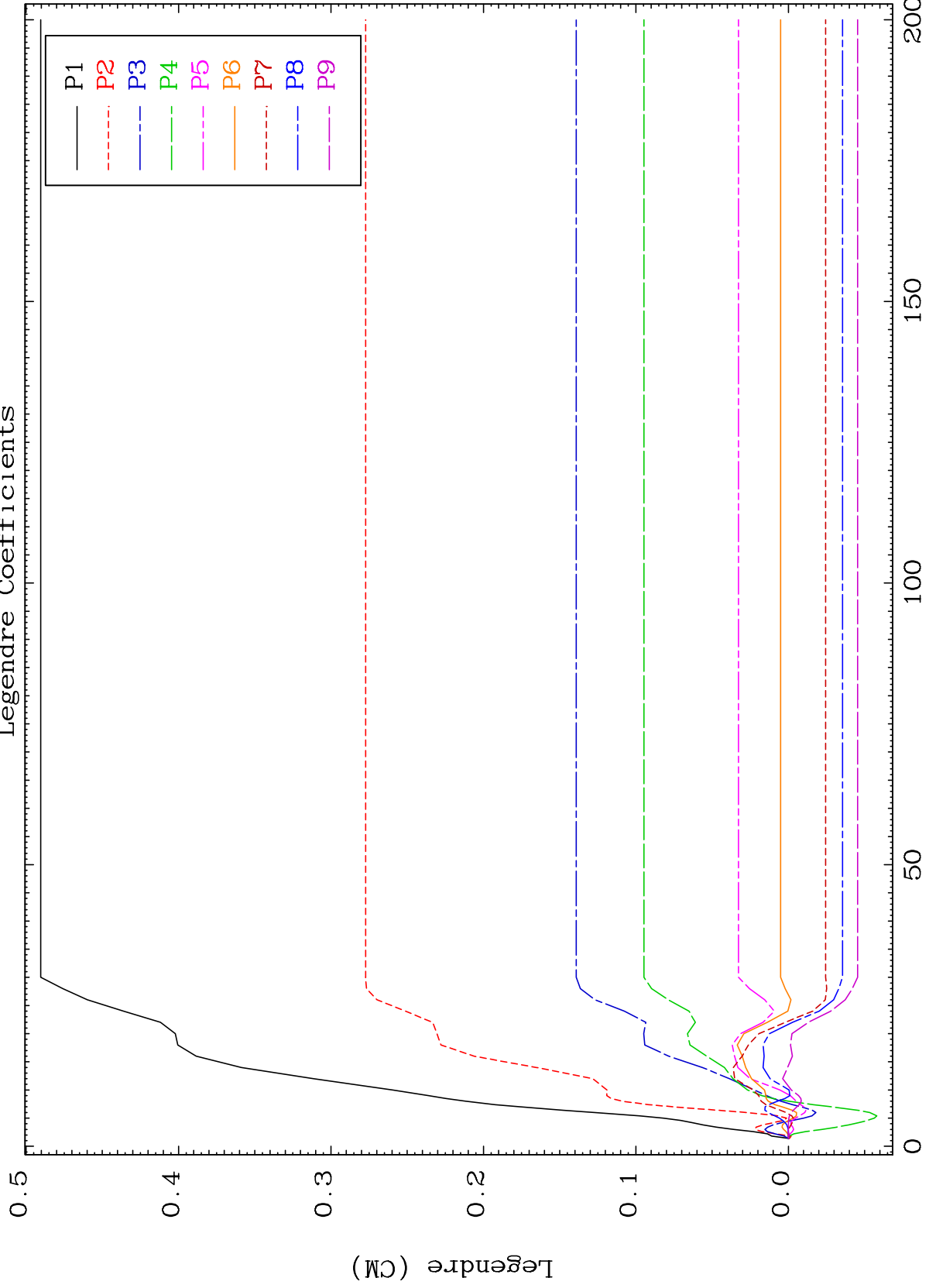
47

53-I -133

MAT 5343

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

53-I -133



48

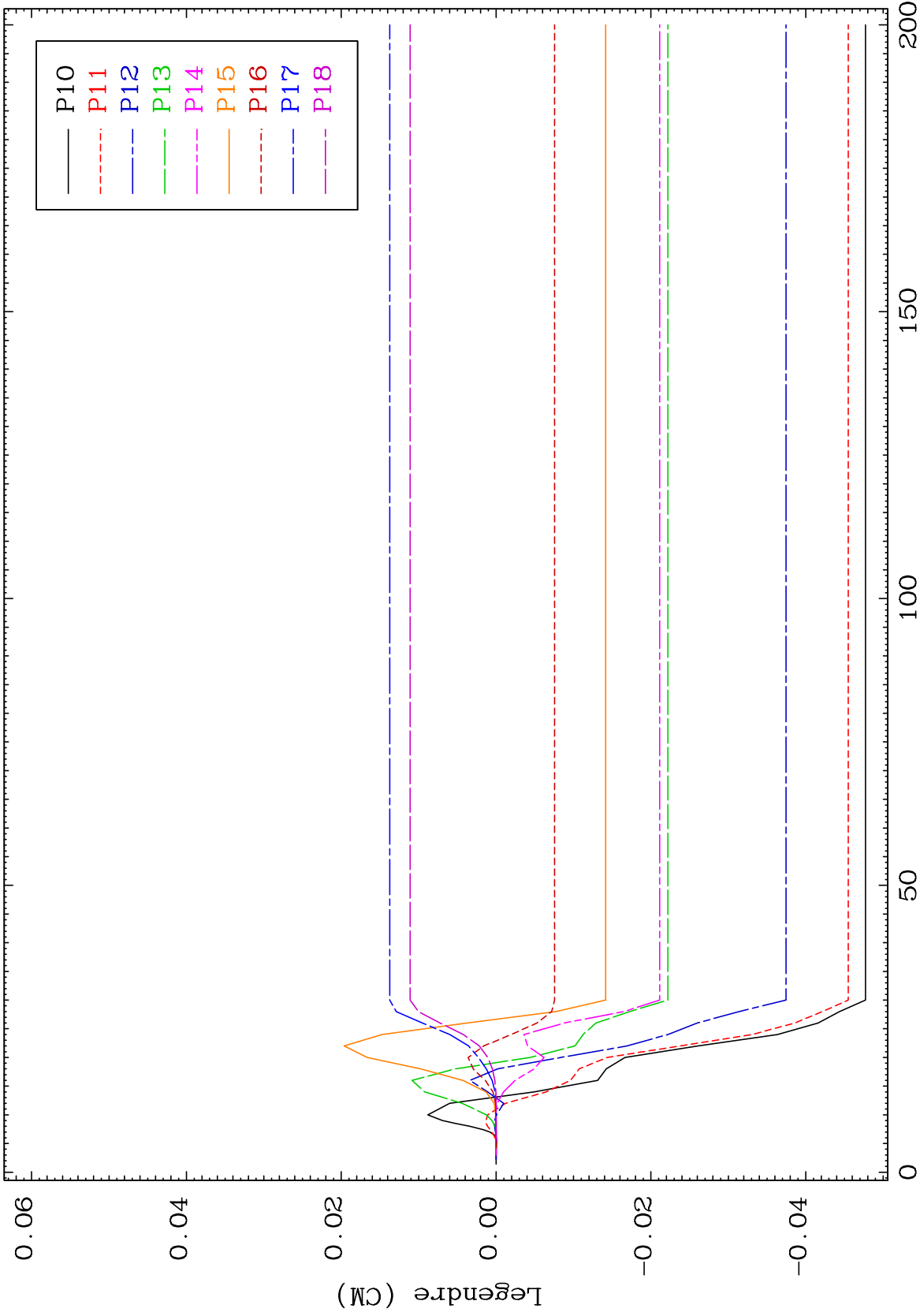
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



49

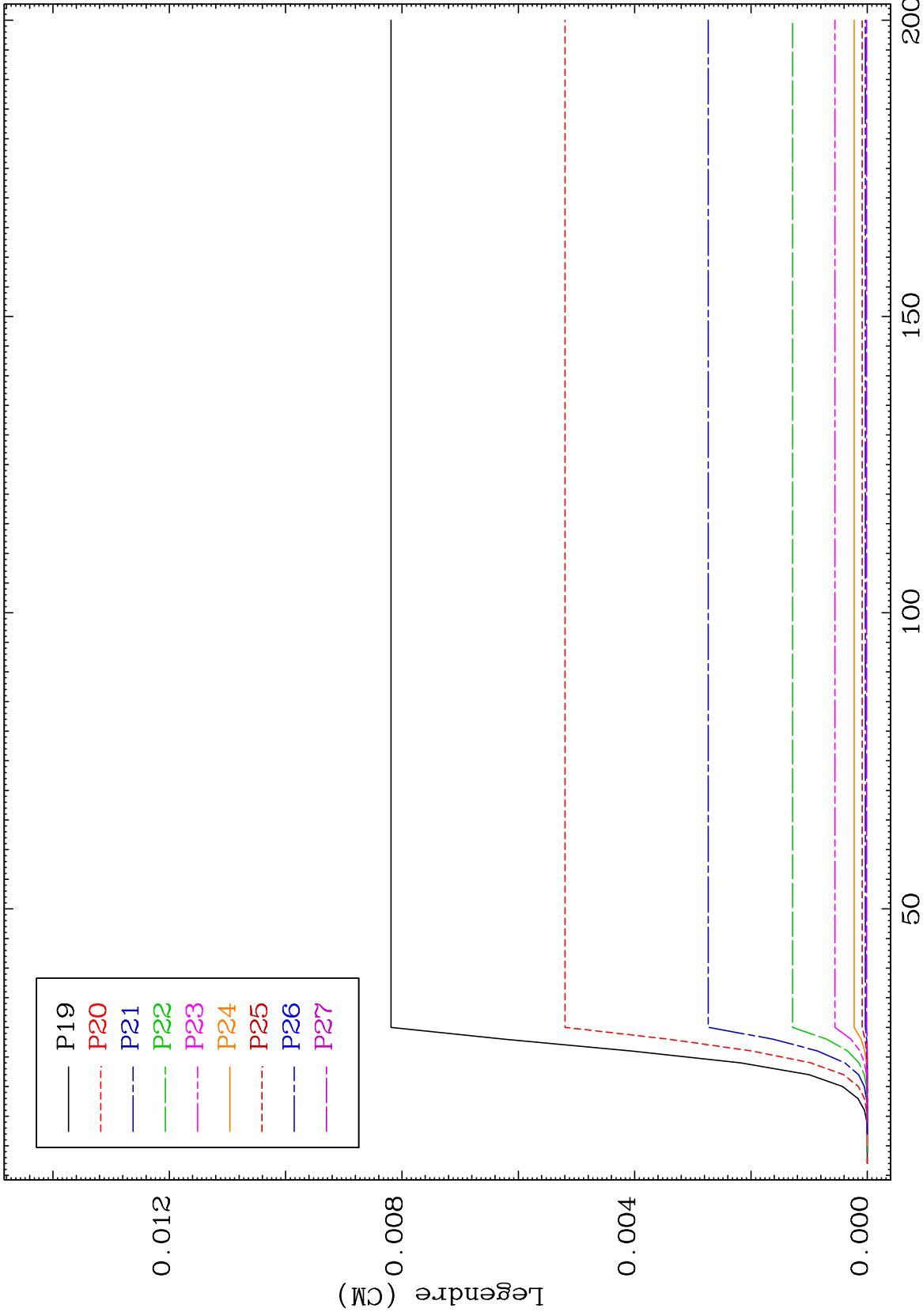
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



50

50

100

150

200

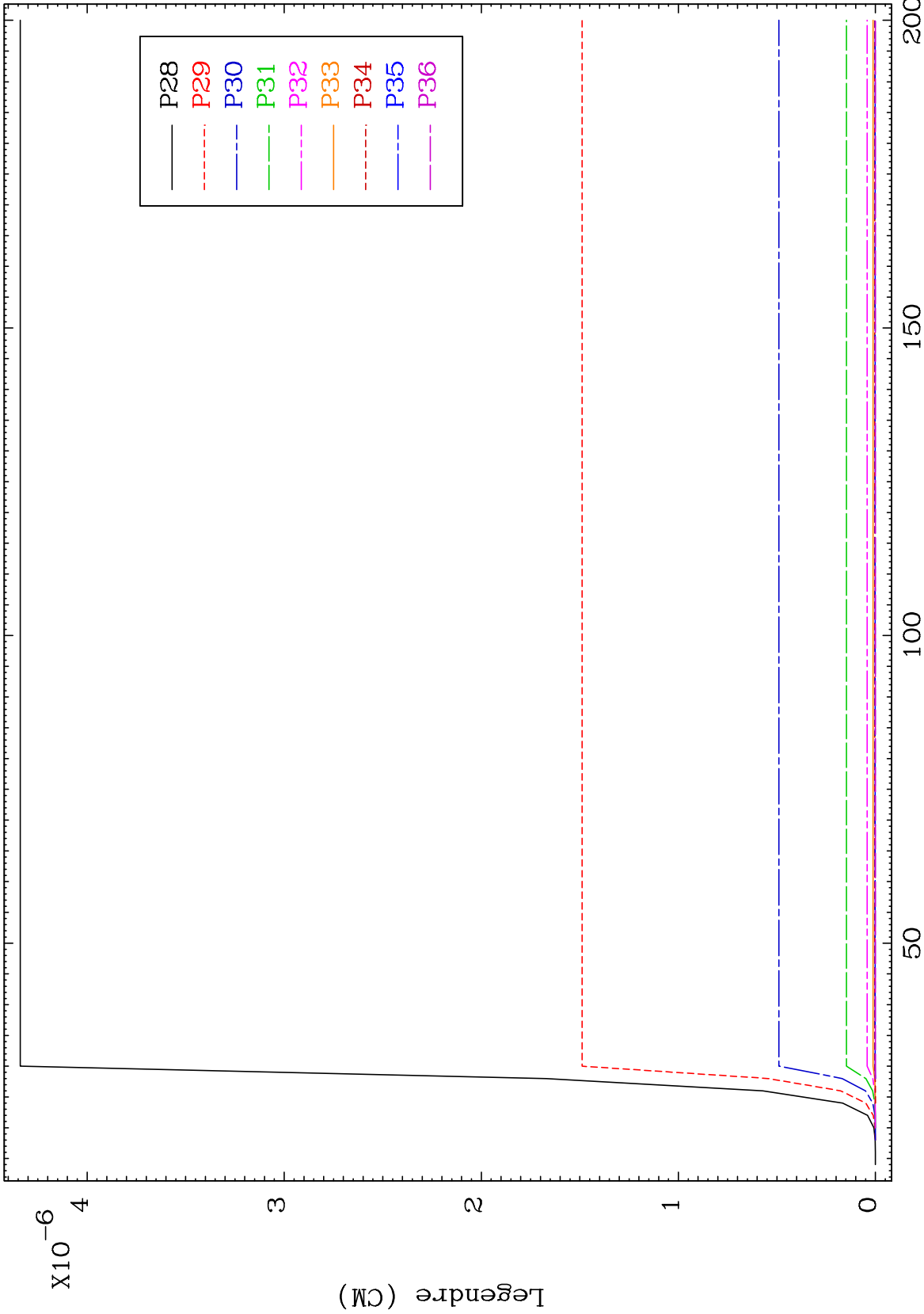
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



51

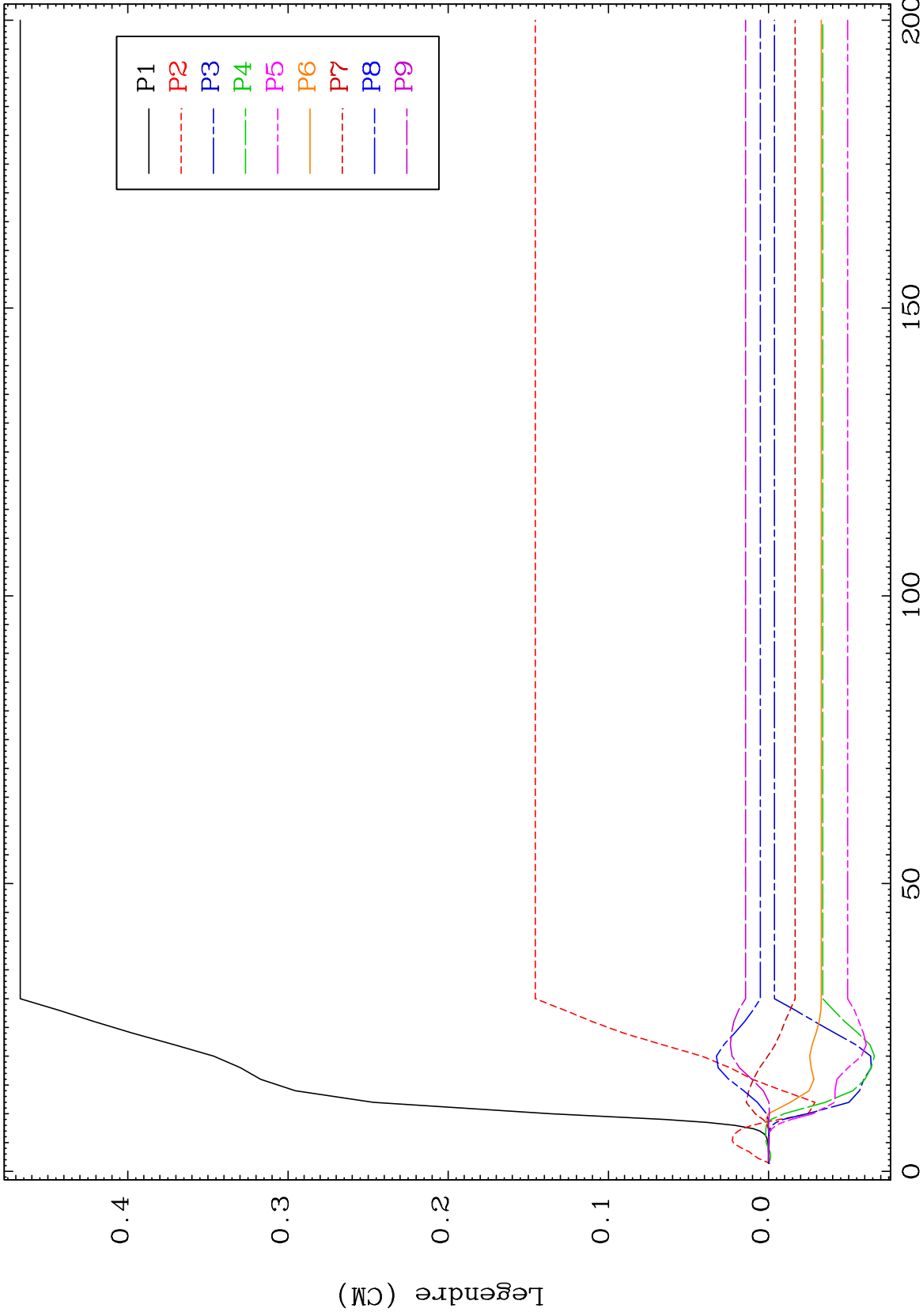
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



52

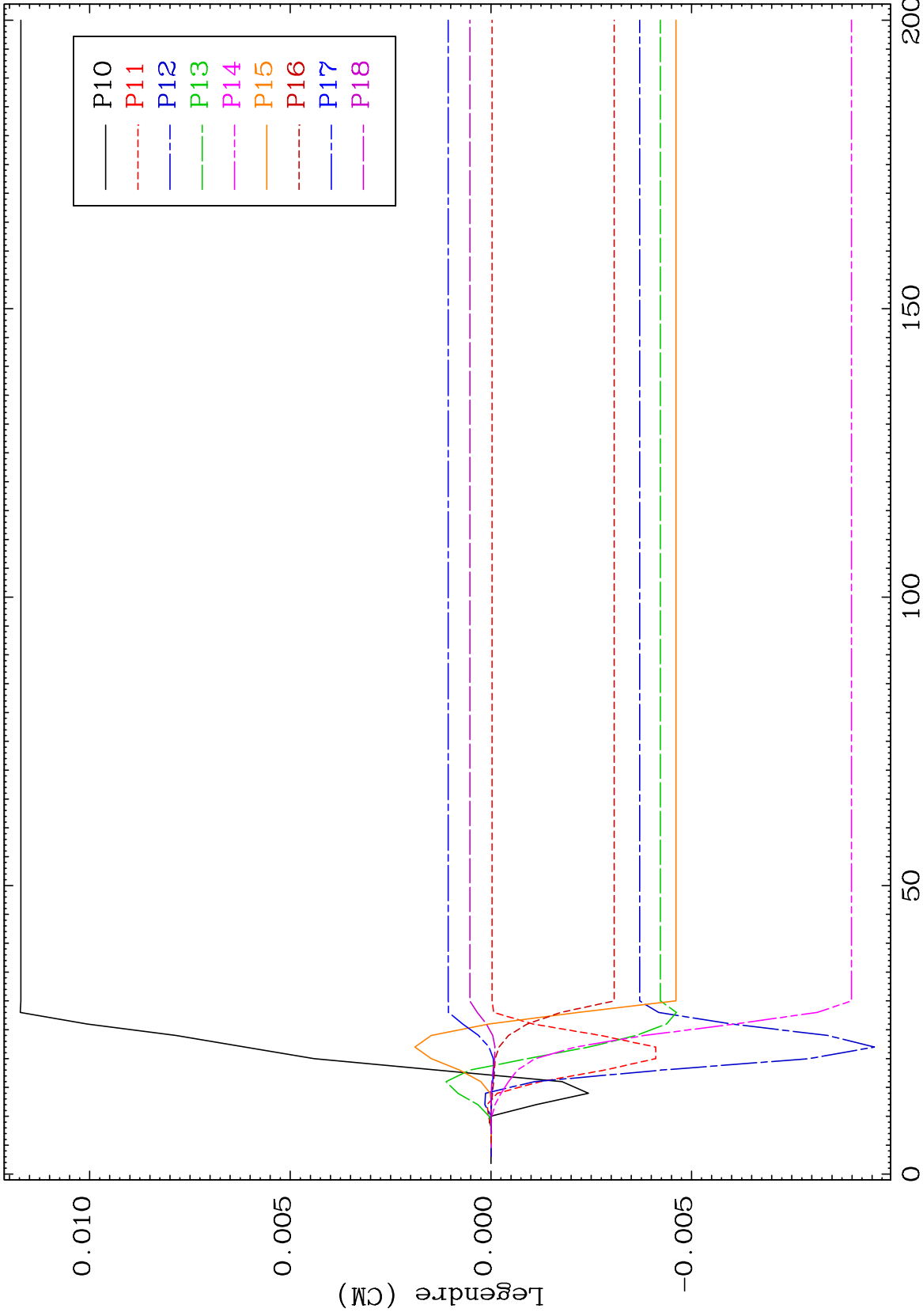
Incident Energy (MeV)

53-I -133

MAT 5343

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

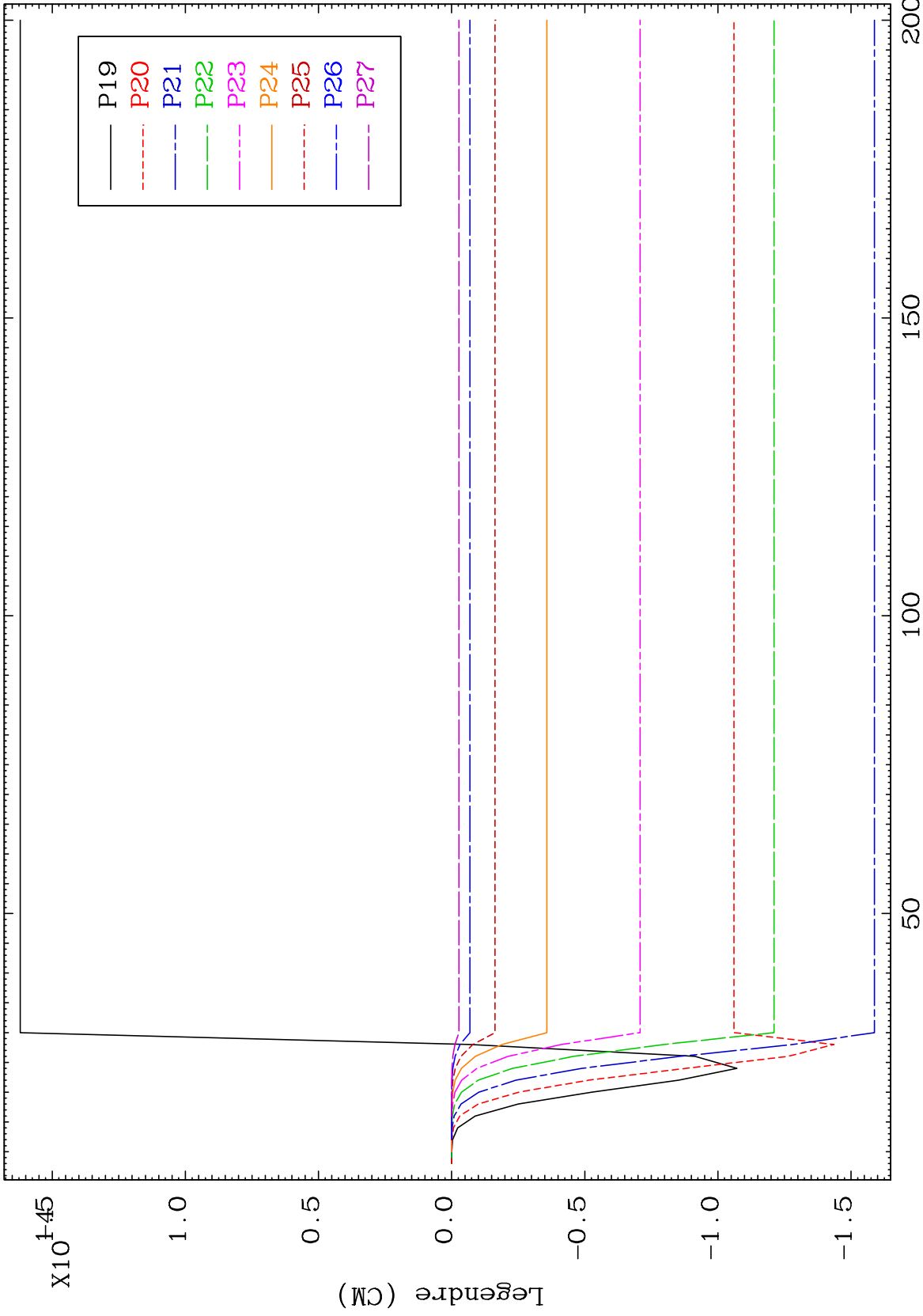
53-I -133



53

Incident Energy (MeV)

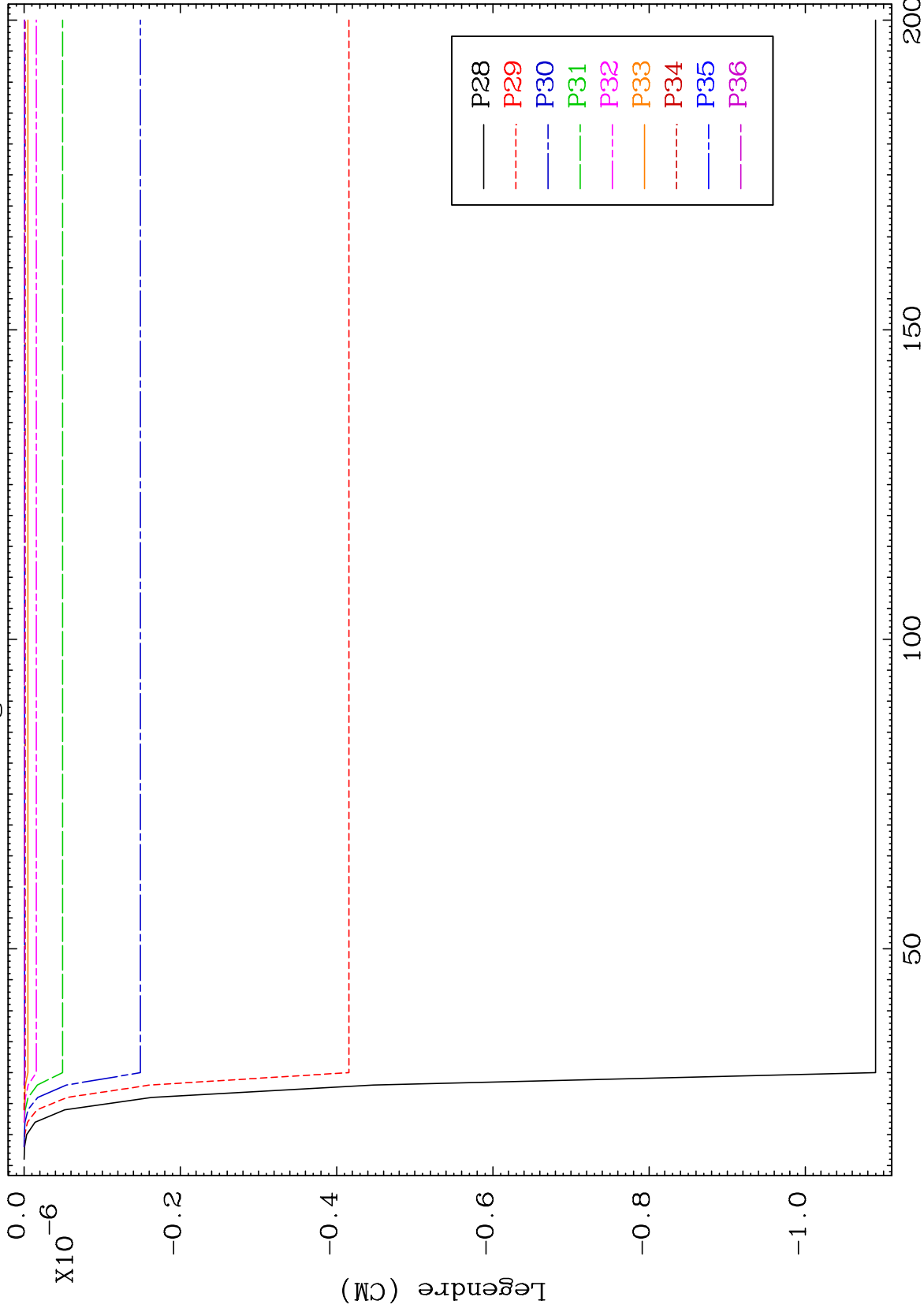
53-I -133



MAT 5343

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

53-I -133



55

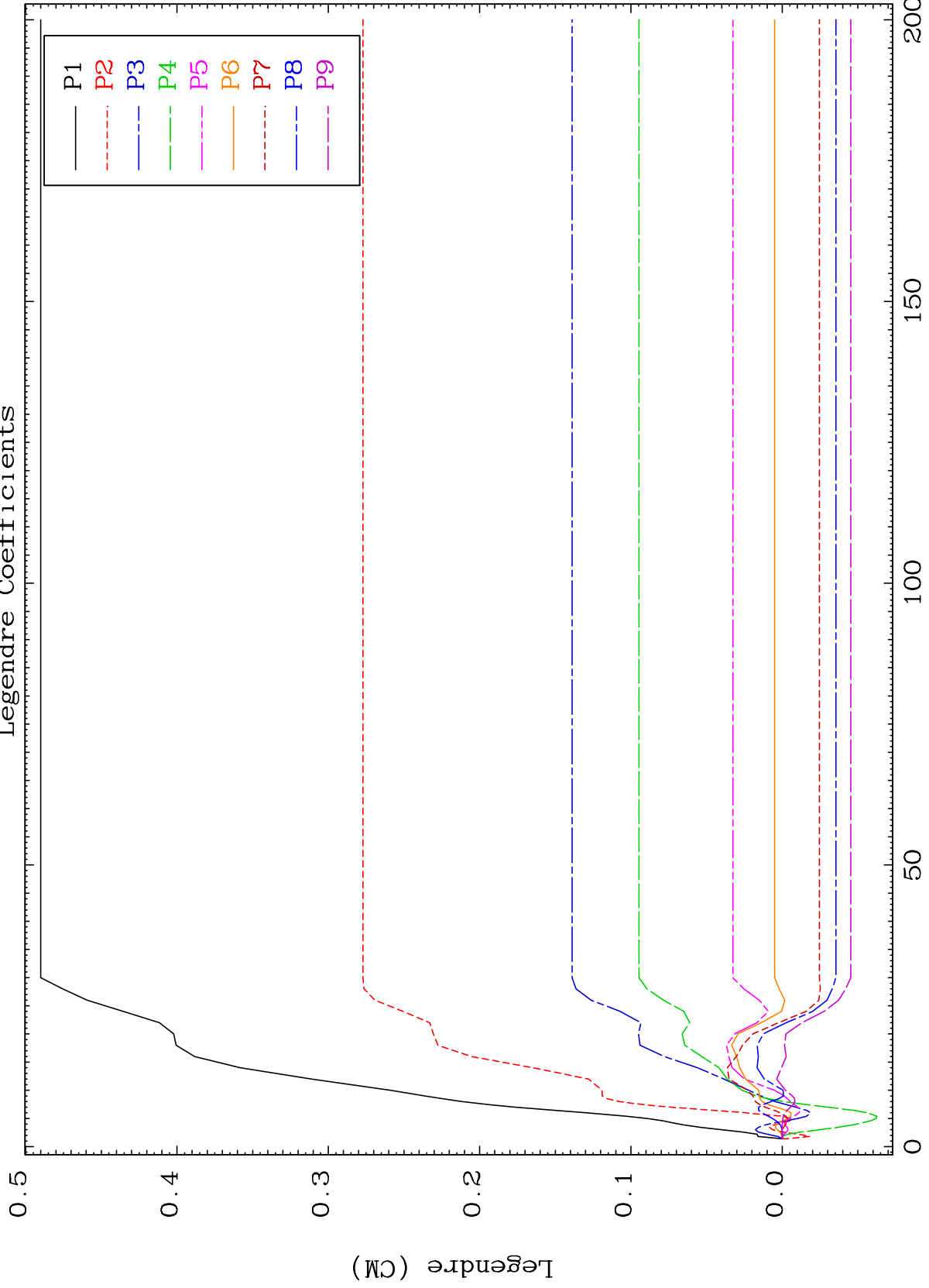
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



56

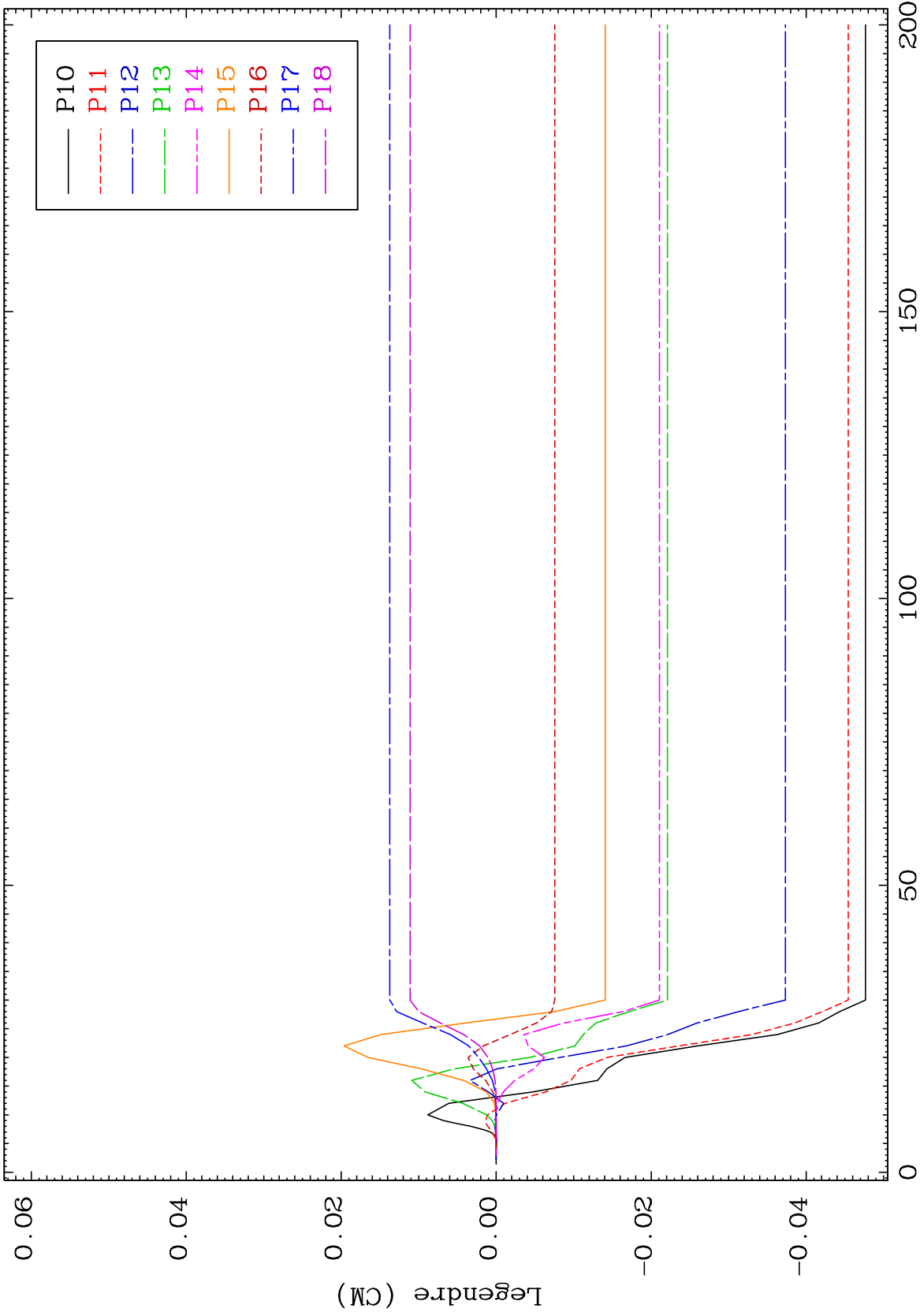
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



57

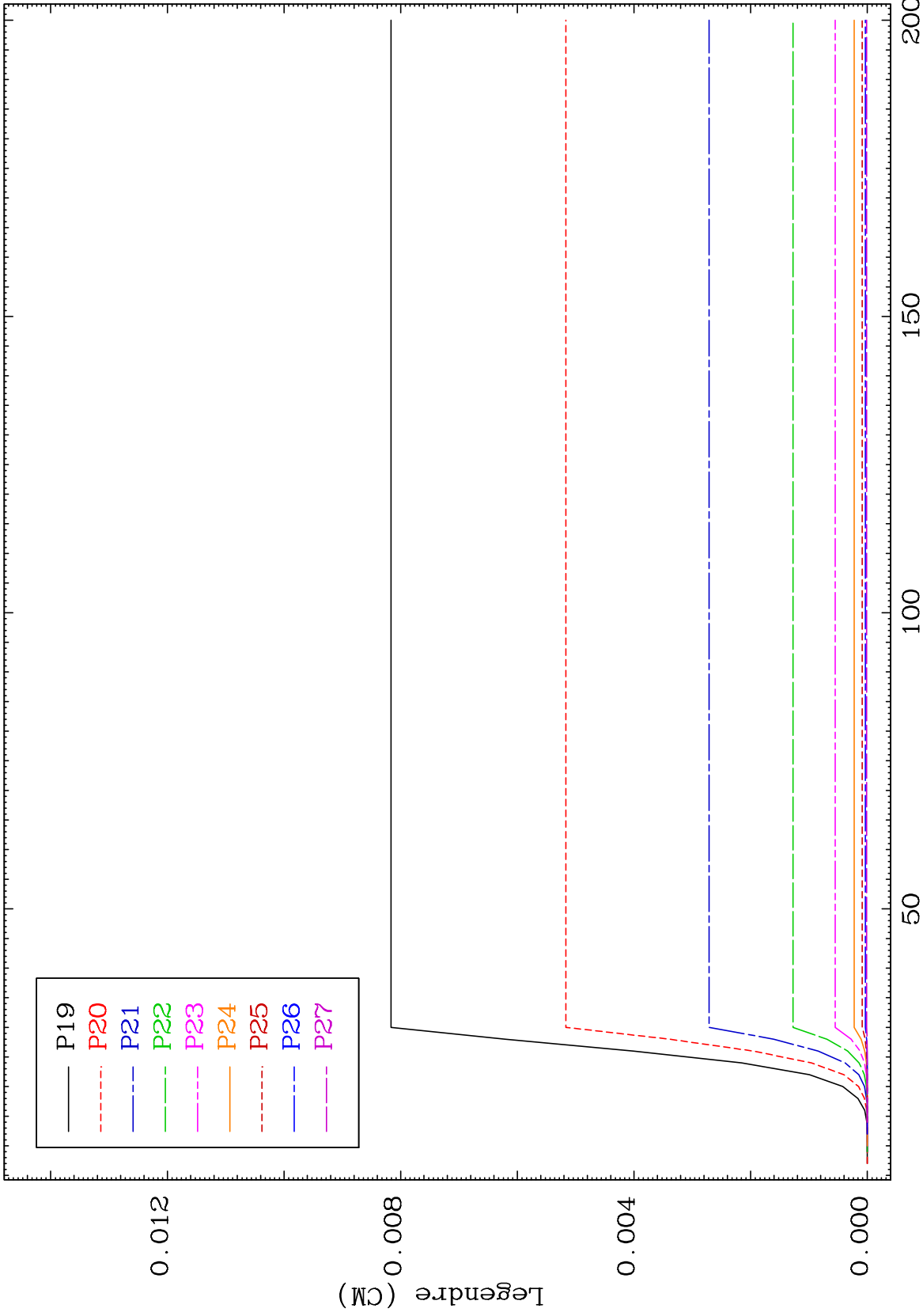
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



58

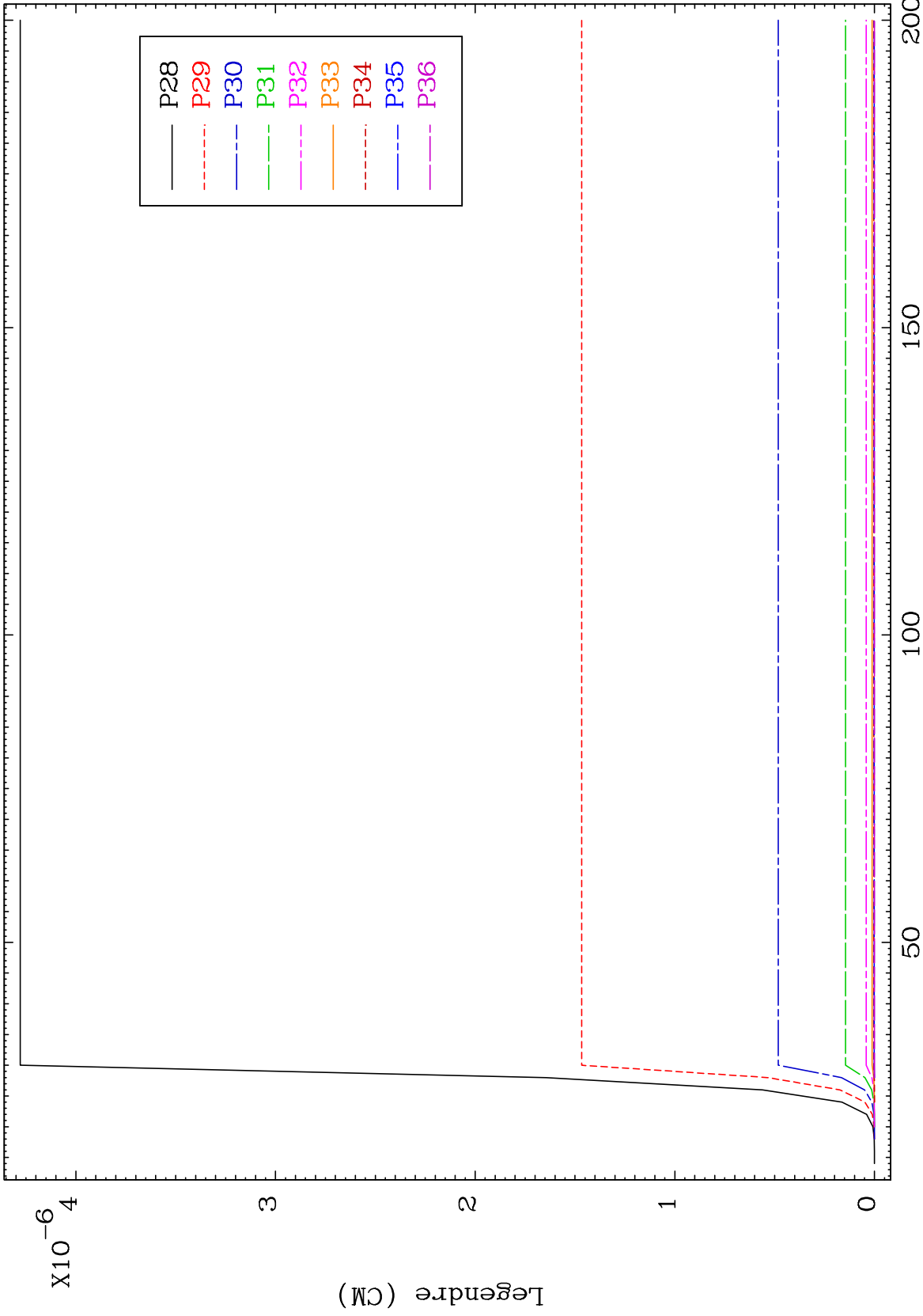
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



59

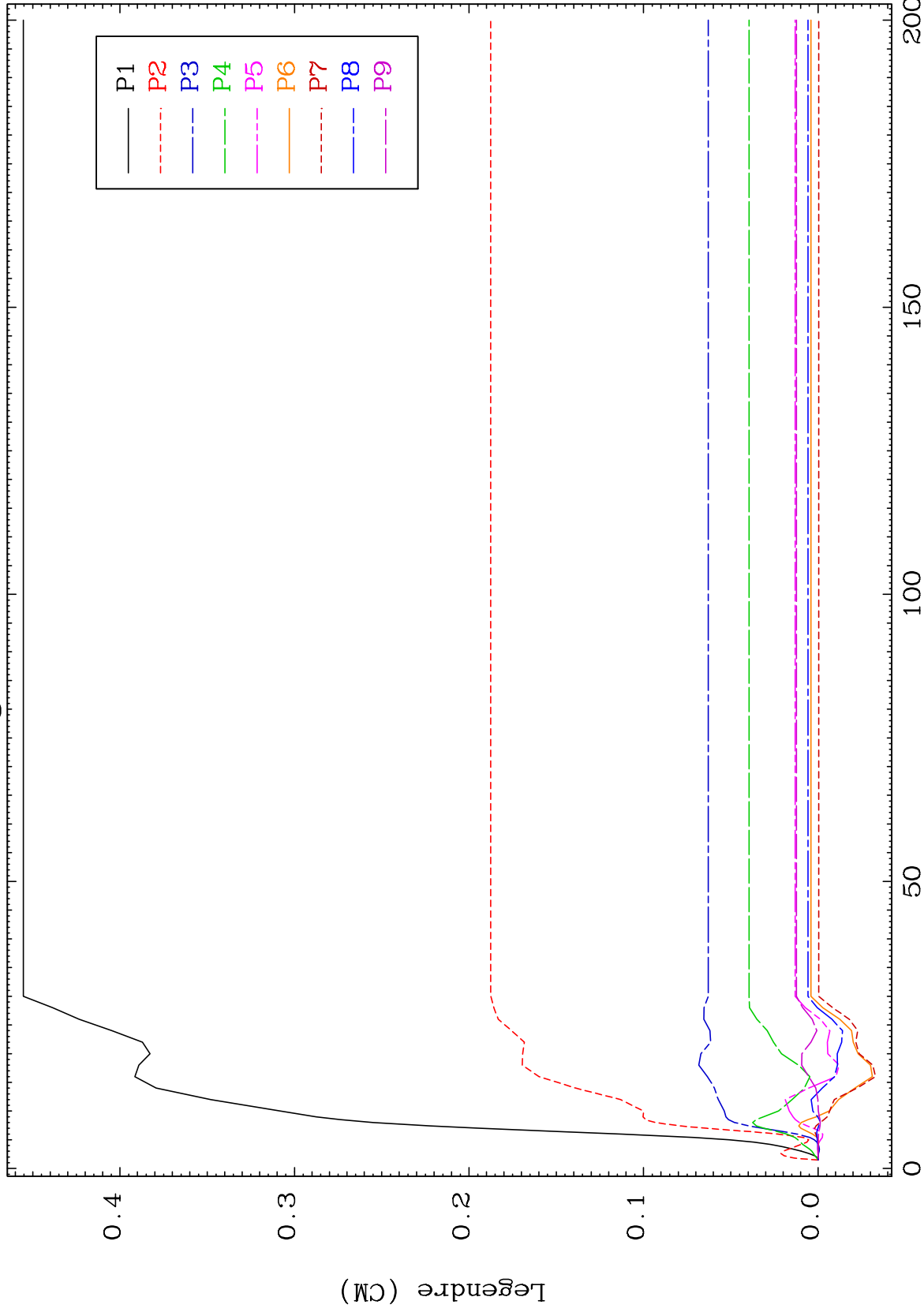
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



60

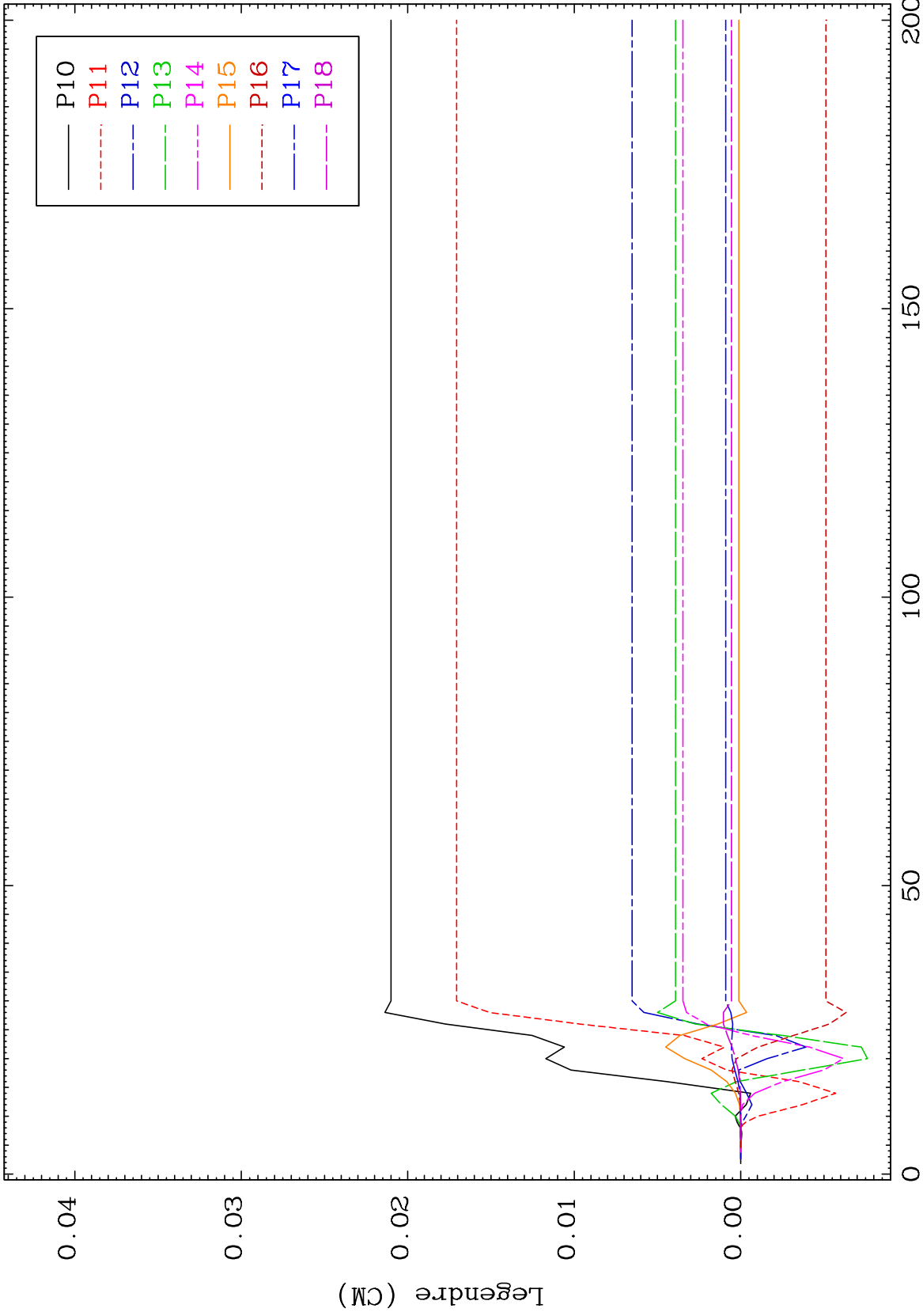
Incident Energy (MeV)

53-I -133

MAT 5343

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

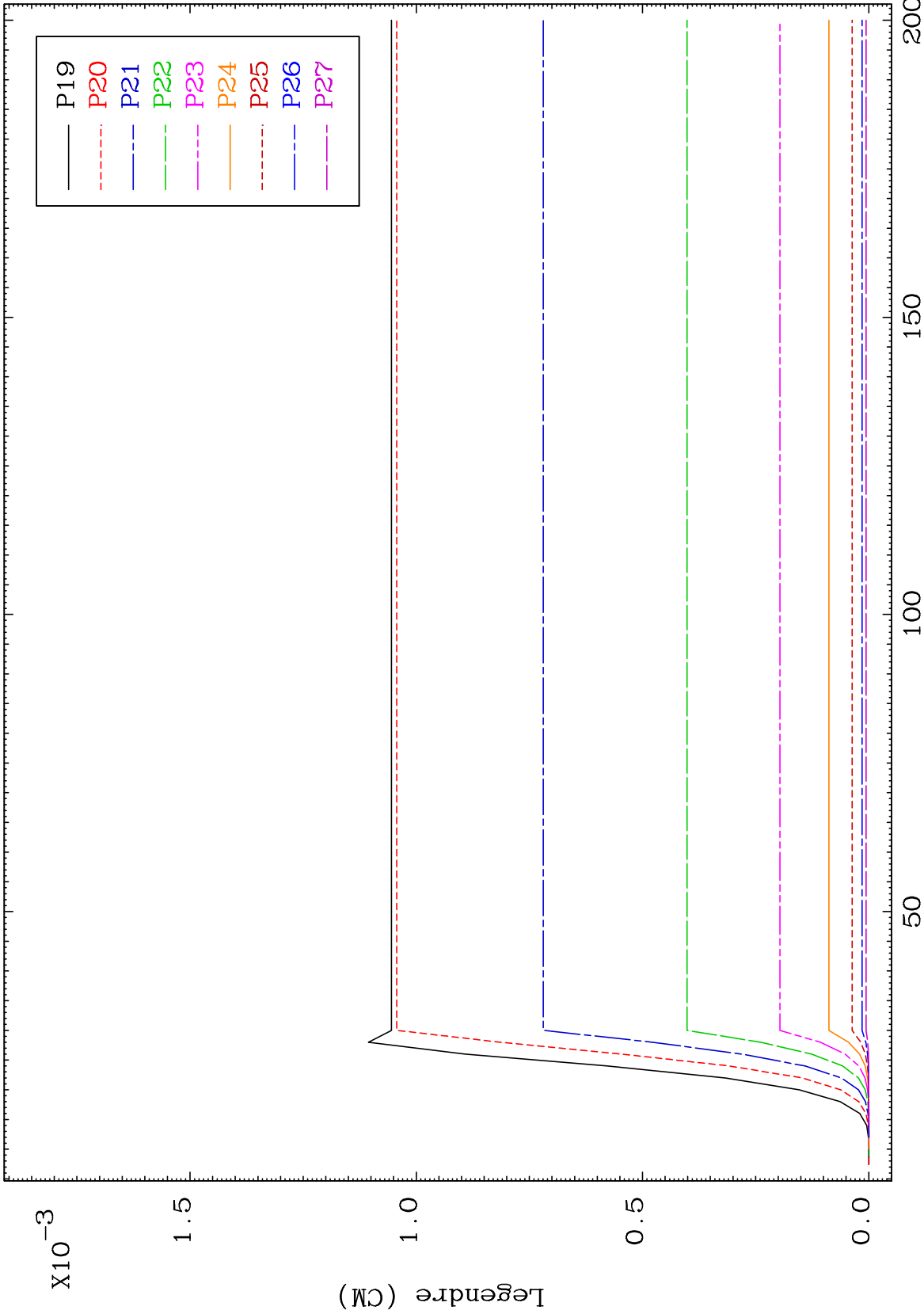
53-I -133



61

Incident Energy (MeV)

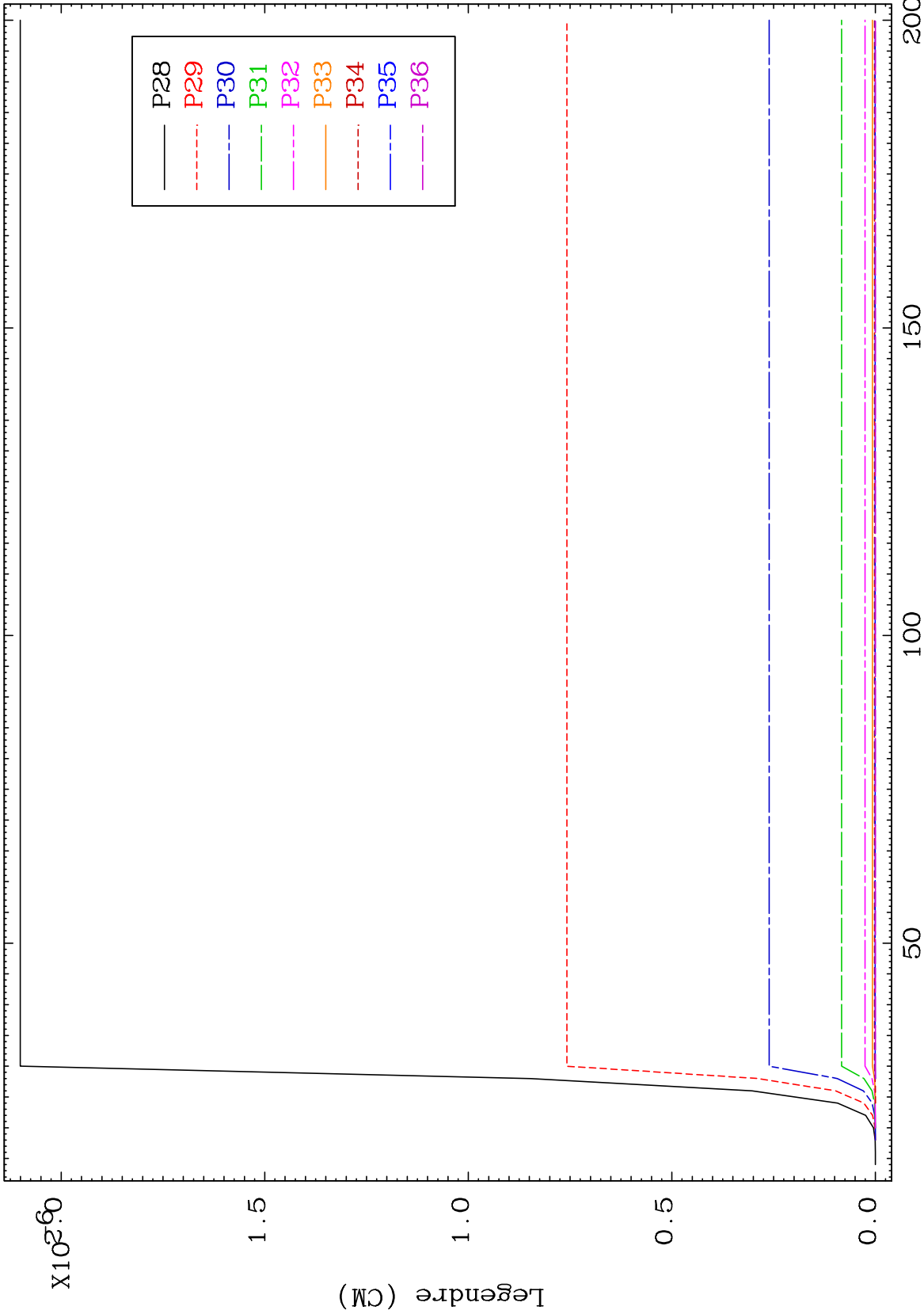
53-I -133



MAT 5343

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

53-I -133



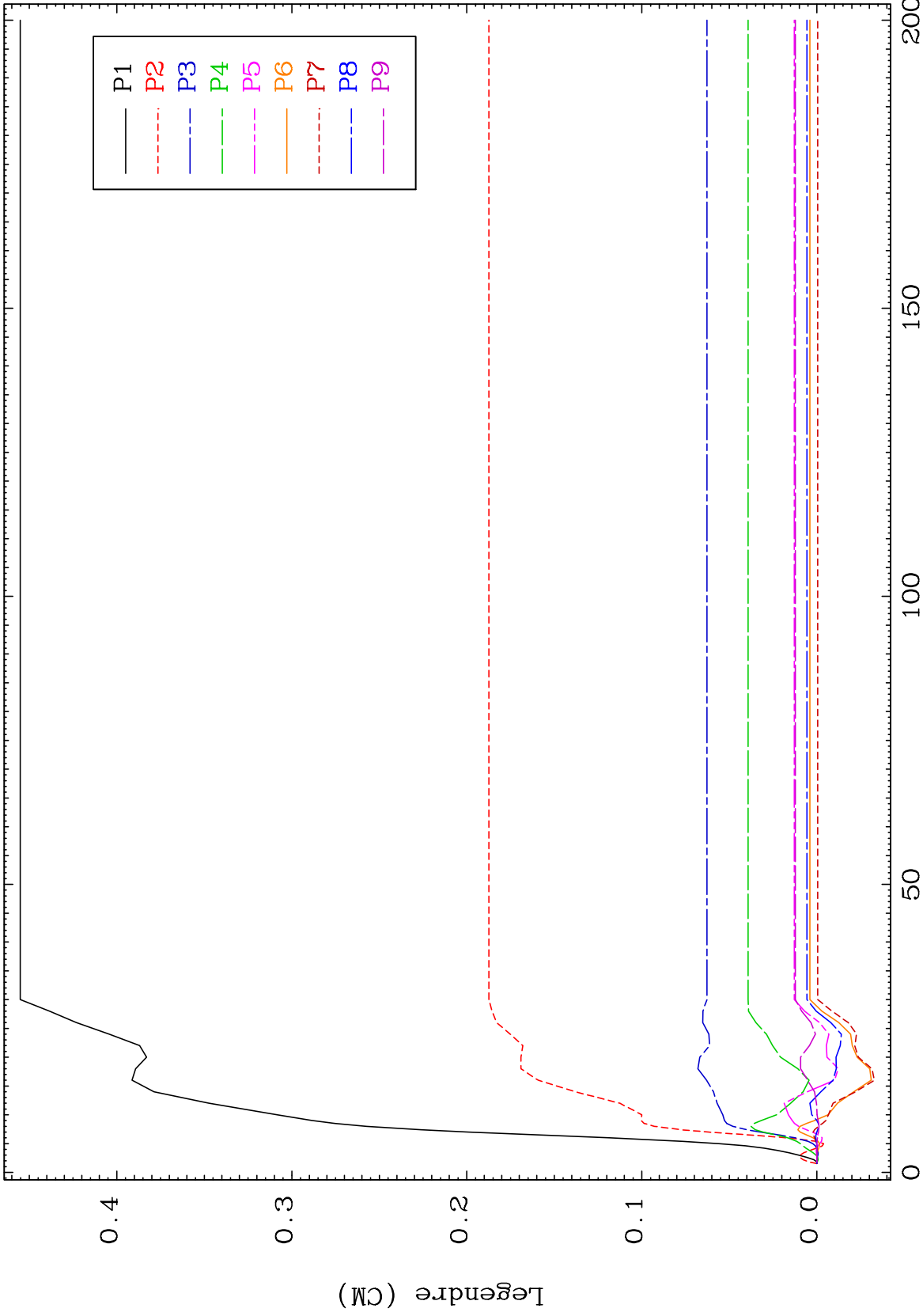
63

53-I -133

MAT 5343

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

53-I -133



64

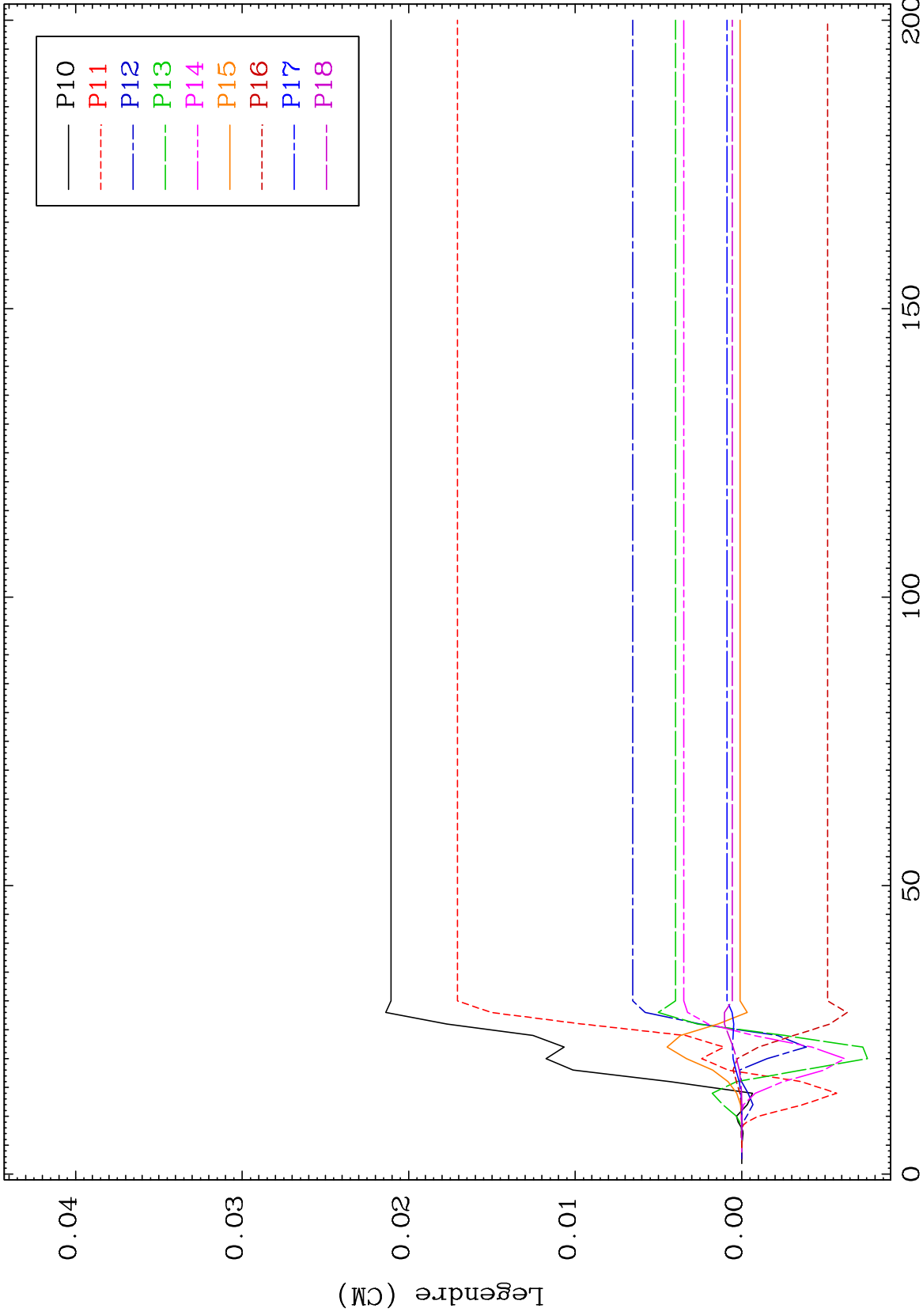
Incident Energy (MeV)

53-I -133

MAT 5343

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

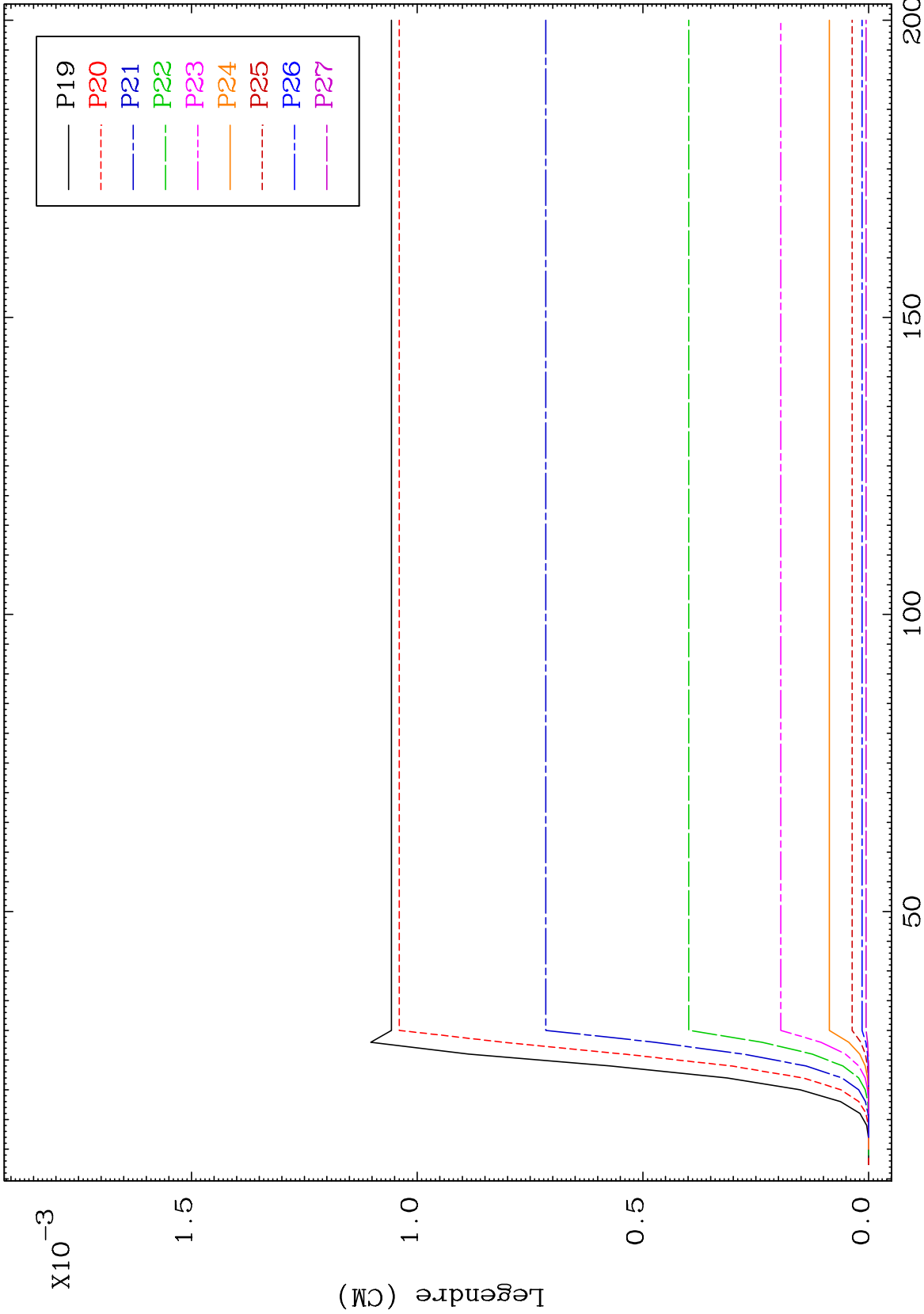
53-I -133



65

Incident Energy (MeV)

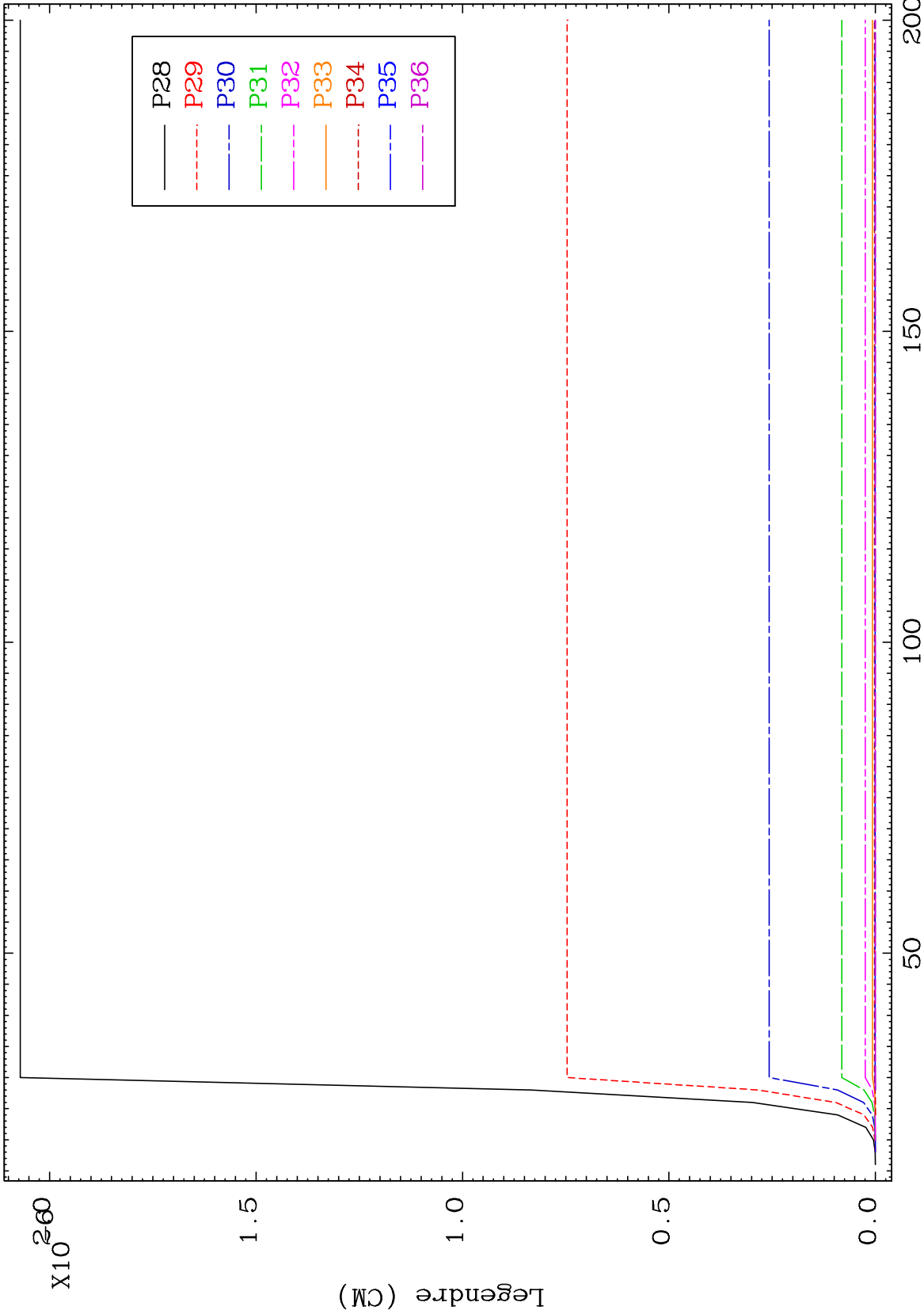
53-I -133



MAT 5343

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

53-I -133



67

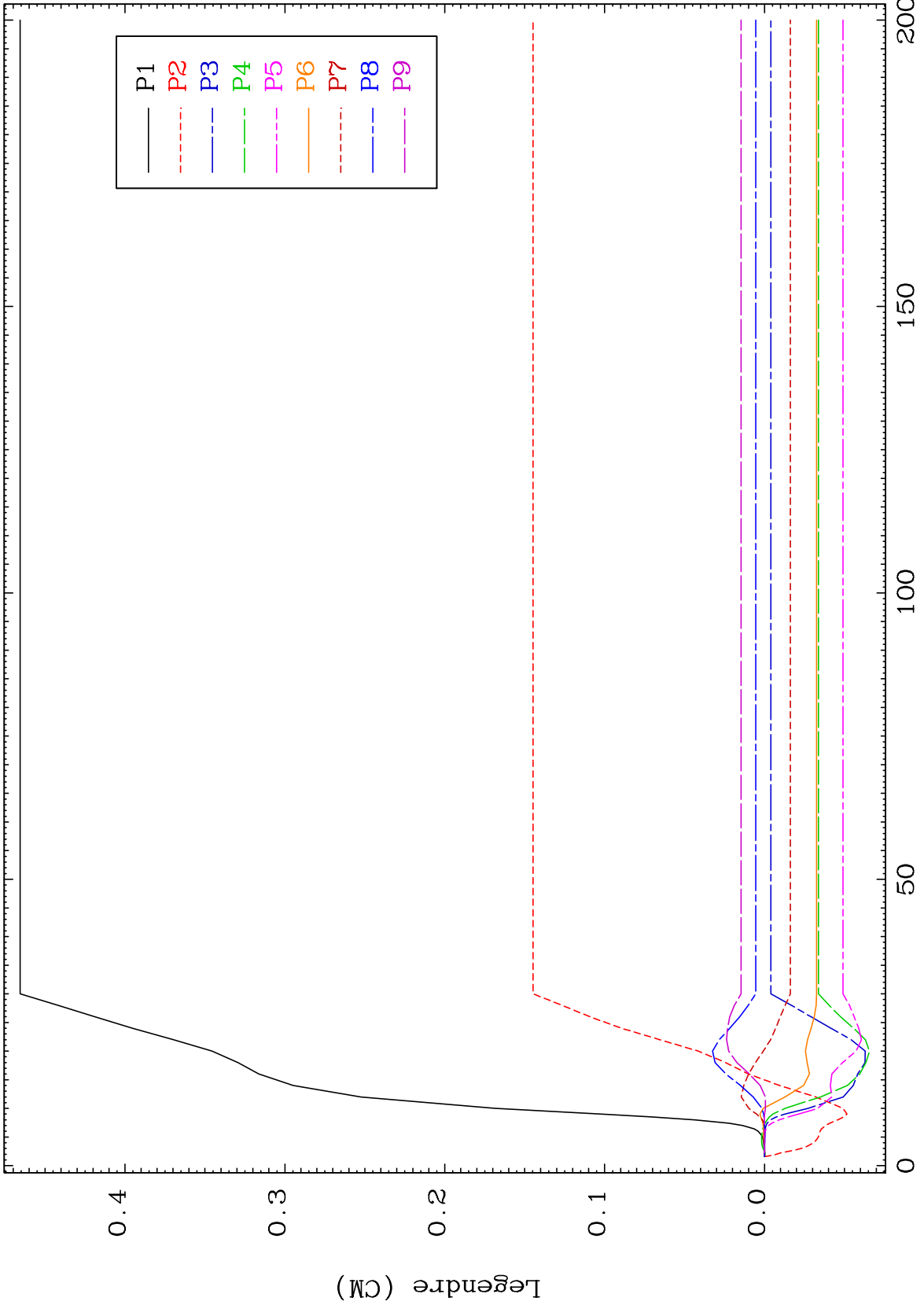
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



68

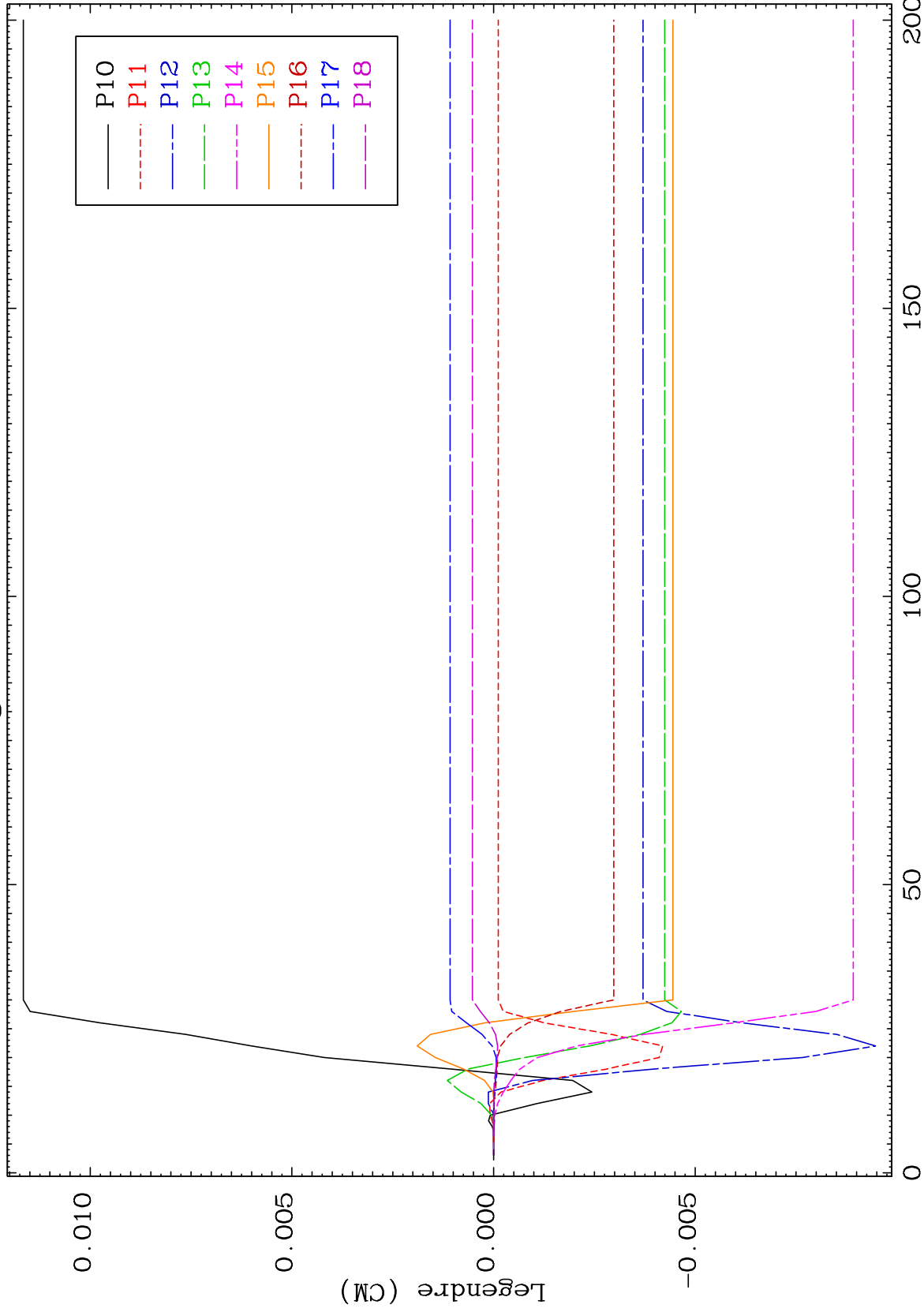
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



69

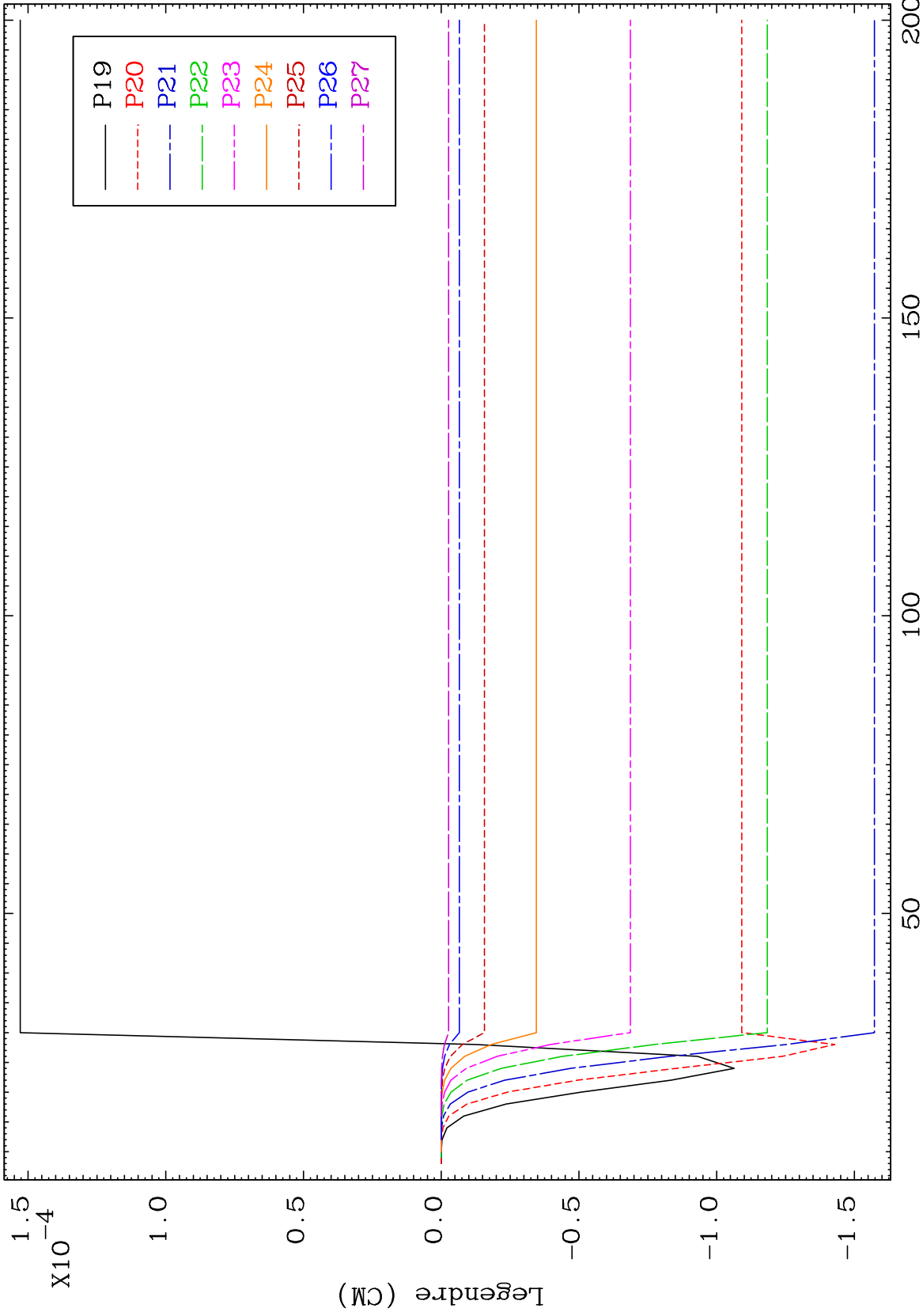
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



70

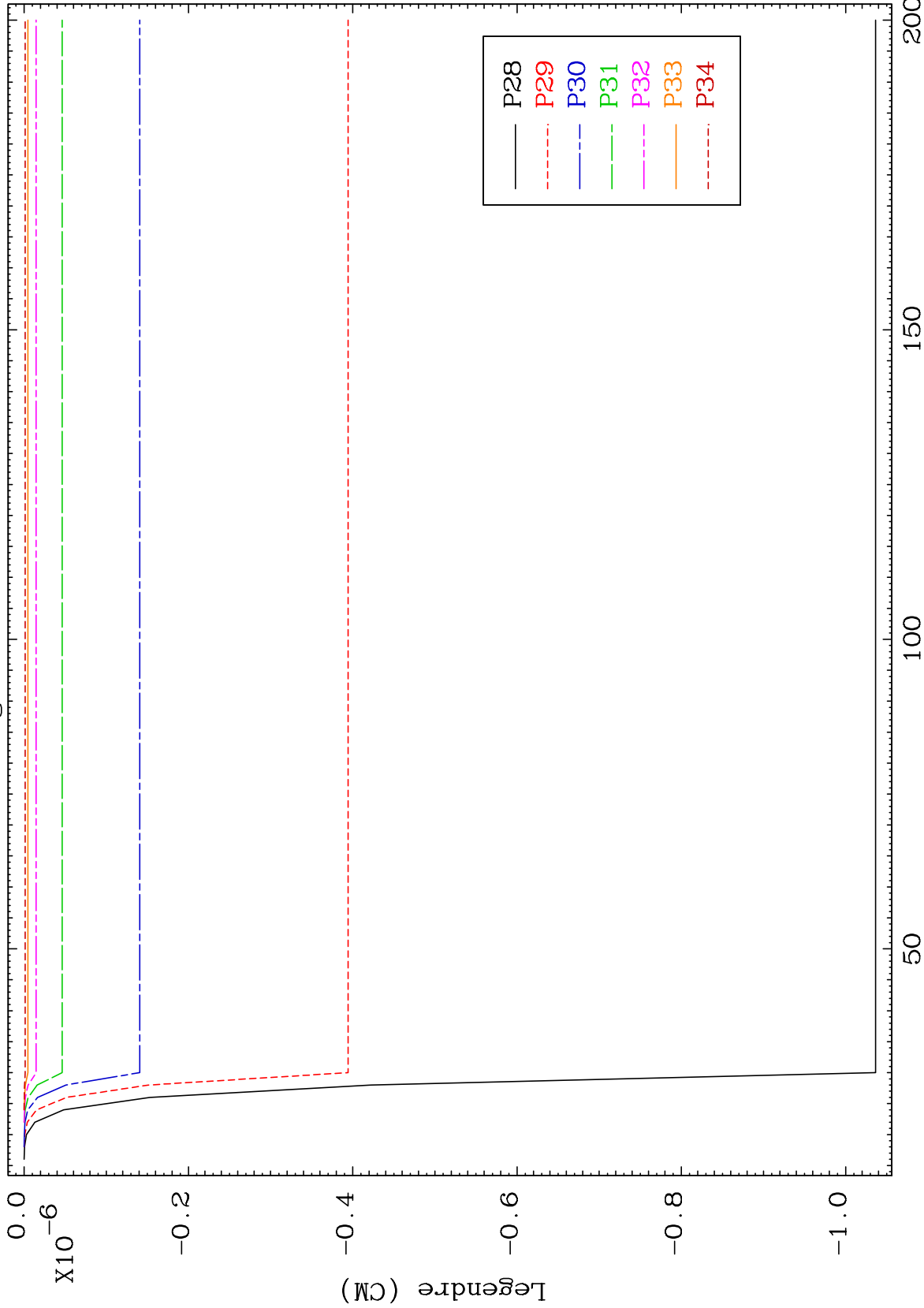
Incident Energy (MeV)

53-I -133

MAT 5343

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

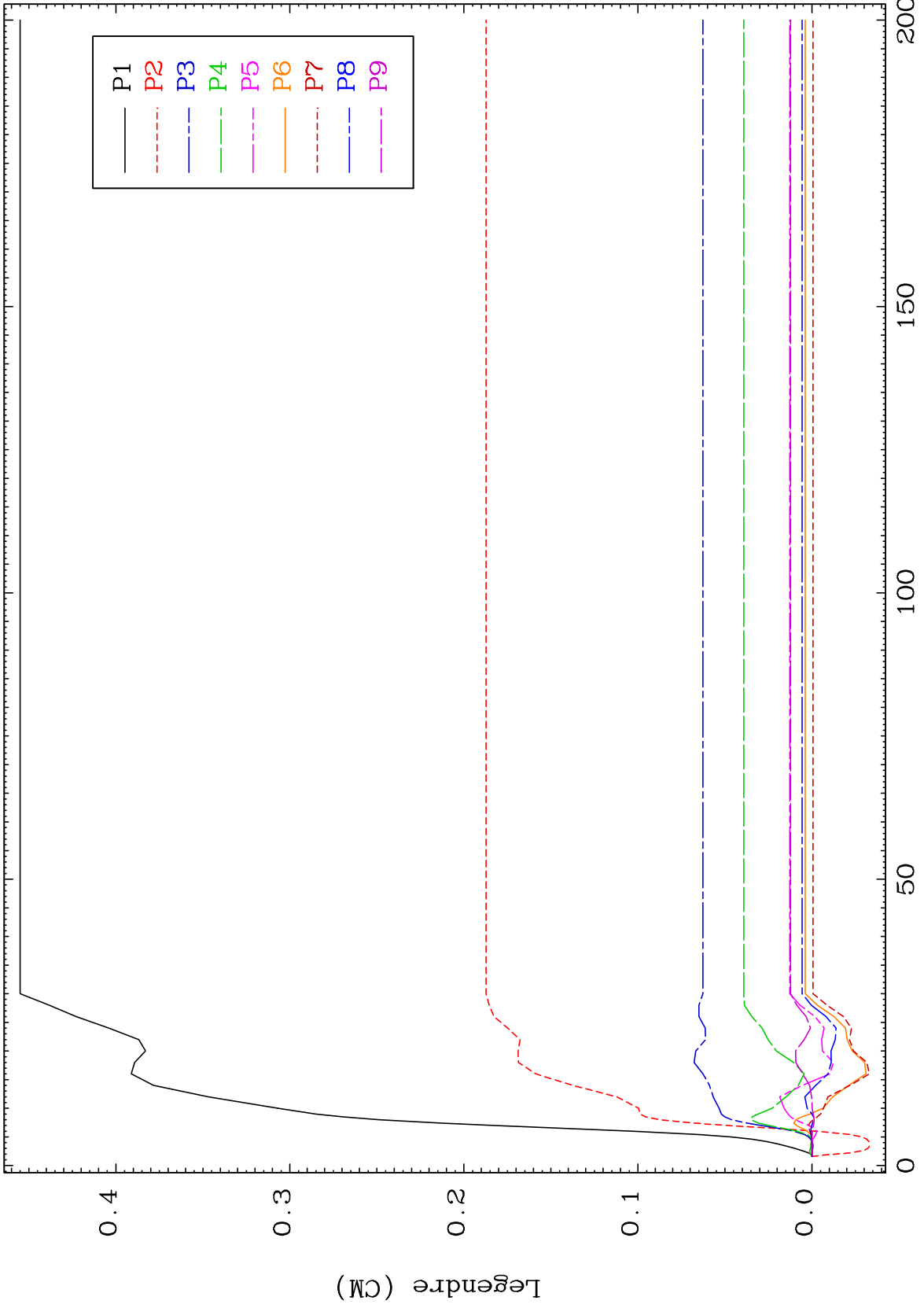
53-I -133



71

Incident Energy (MeV)

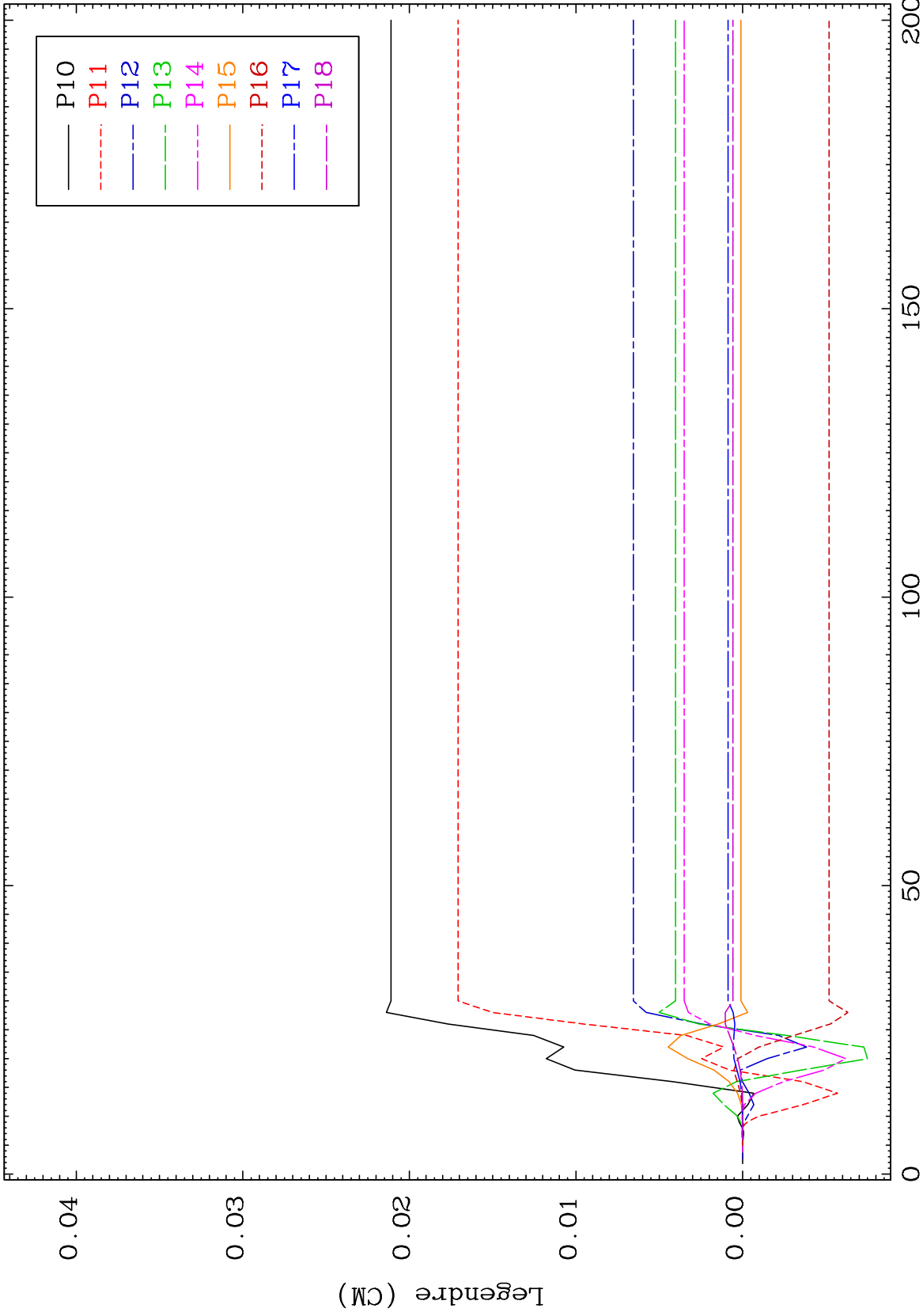
53-I -133



MAT 5343

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

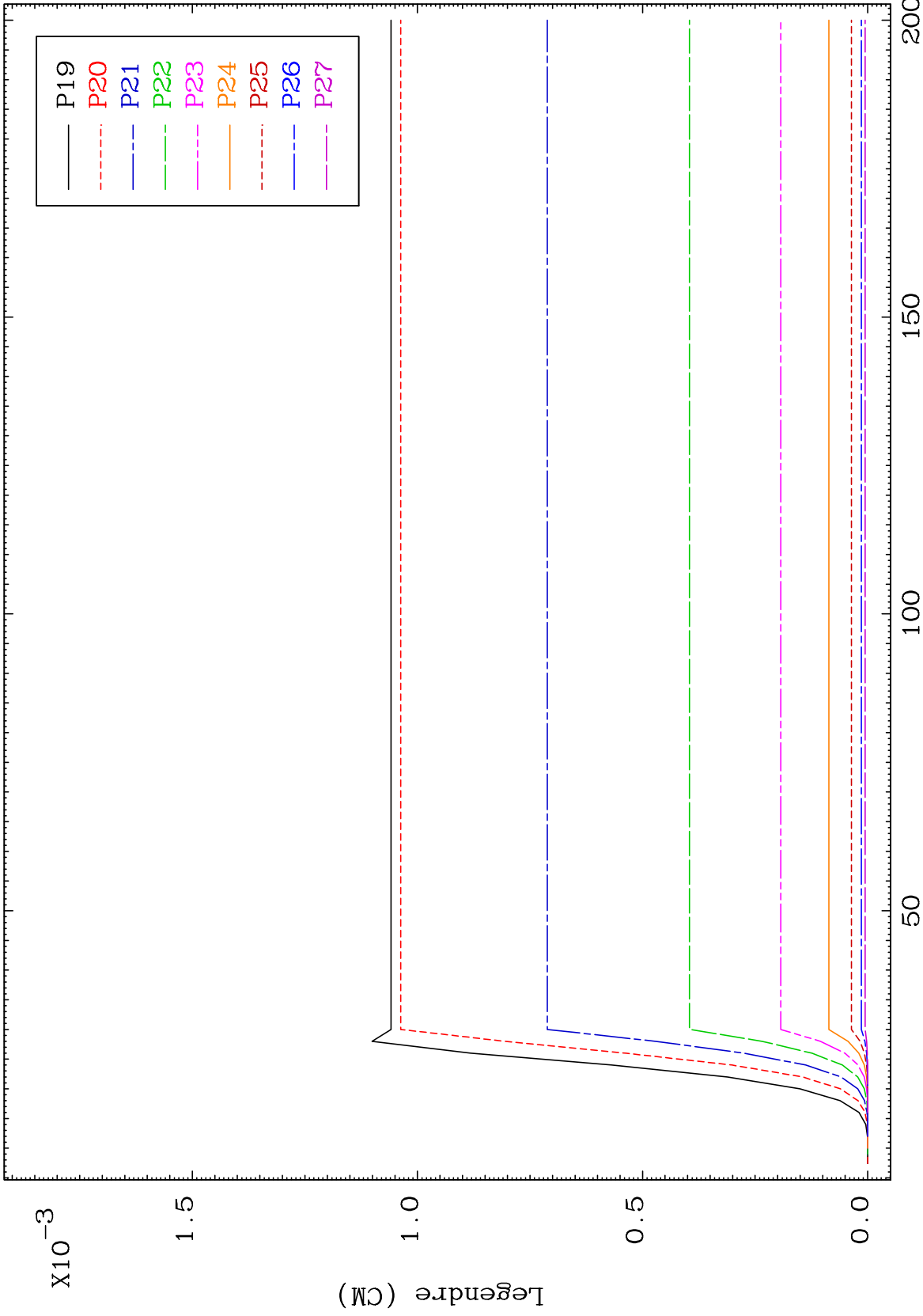
53-I -133



73

Incident Energy (MeV)

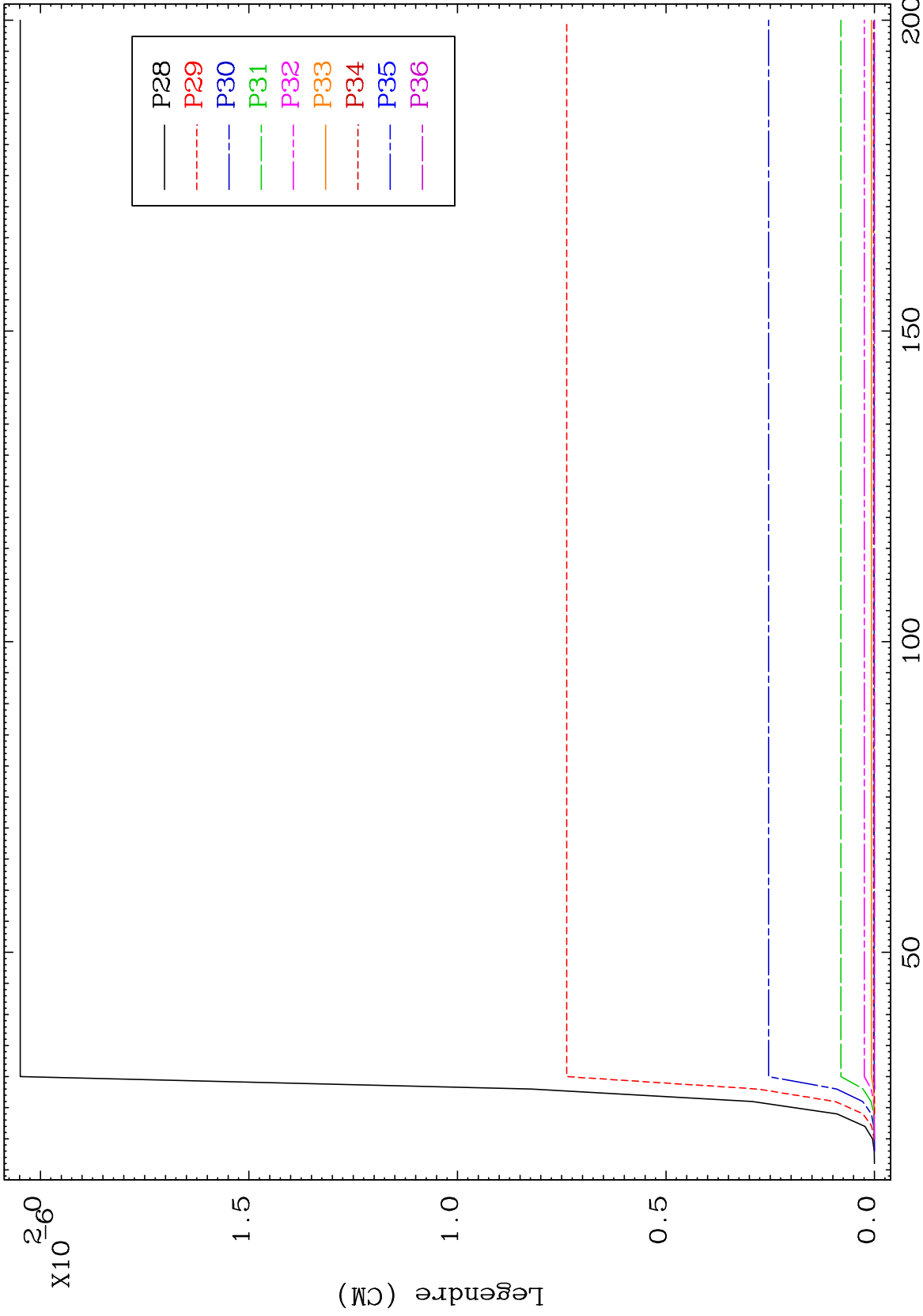
53-I -133



MAT 5343

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

53-I -133



75

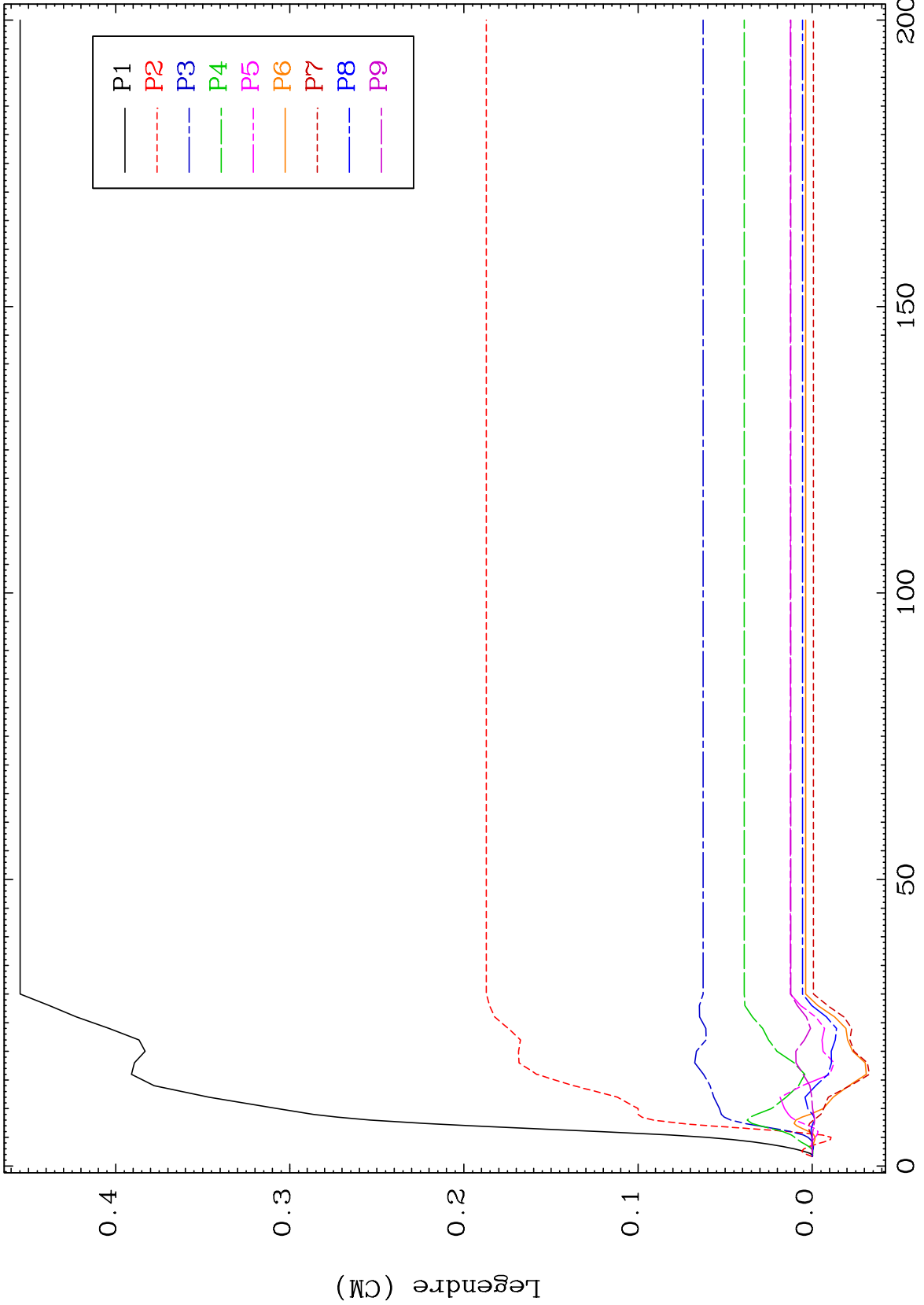
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



76

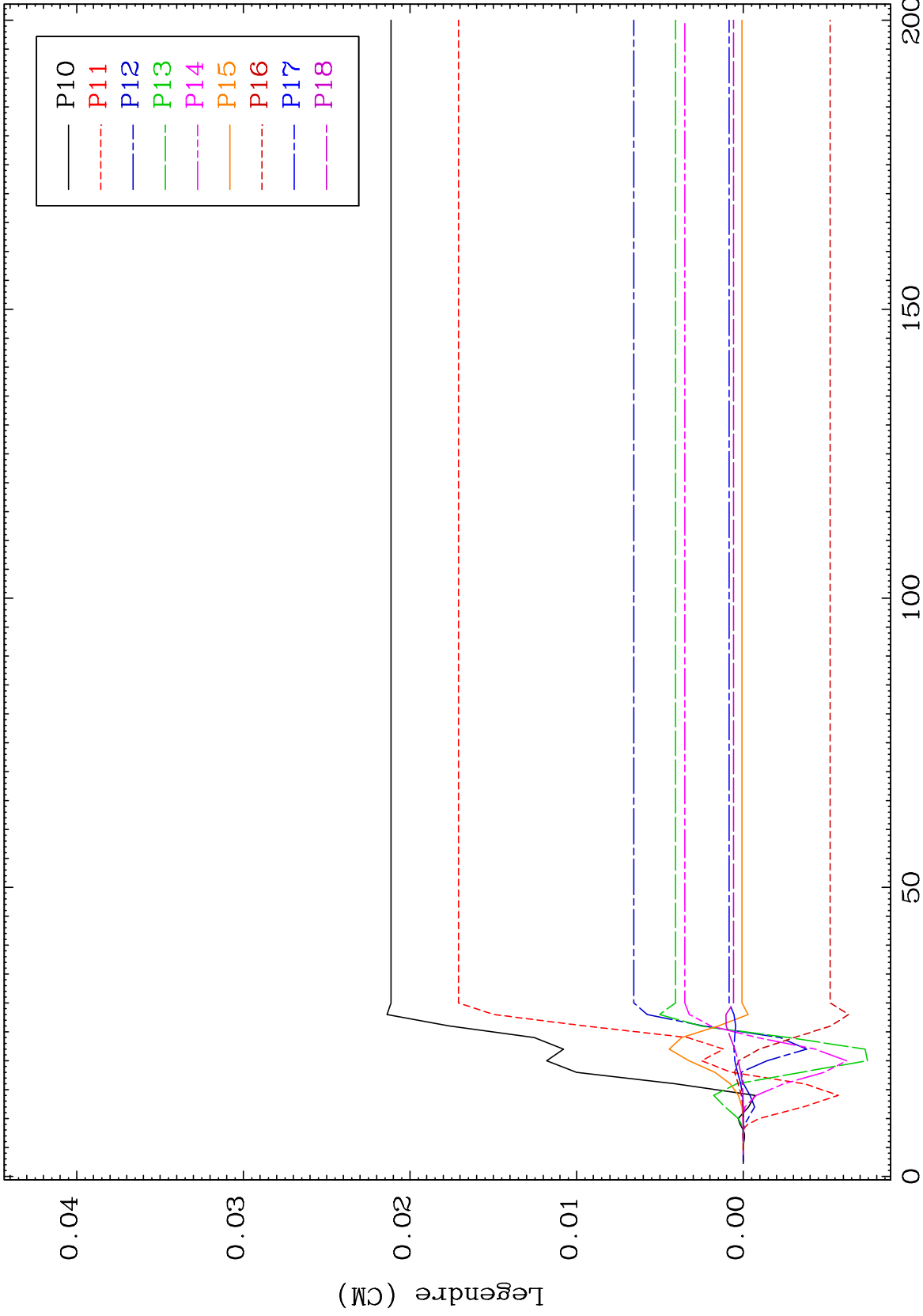
Incident Energy (MeV)

53-I -133

MAT 5343

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

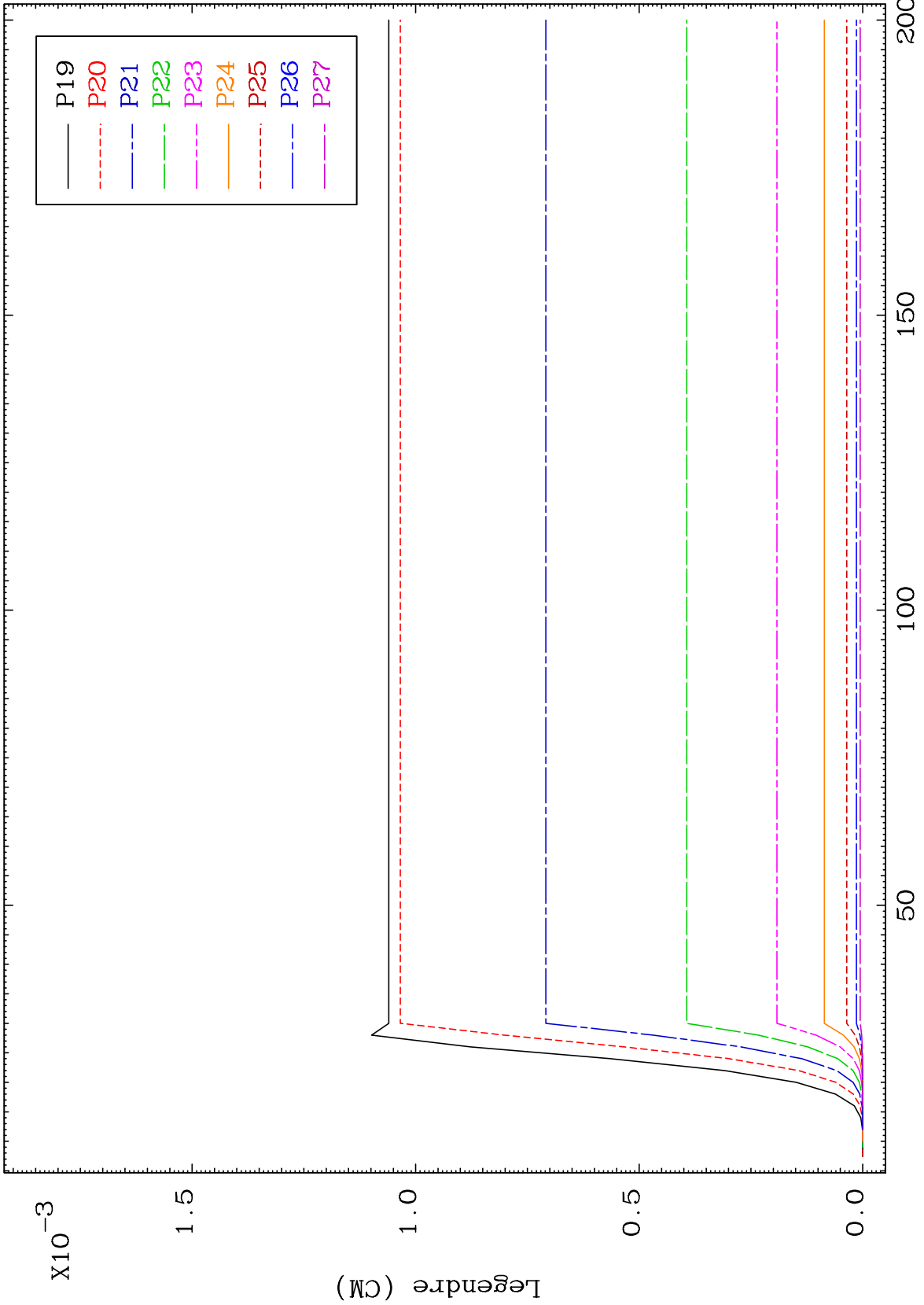
53-I -133



77

Incident Energy (MeV)

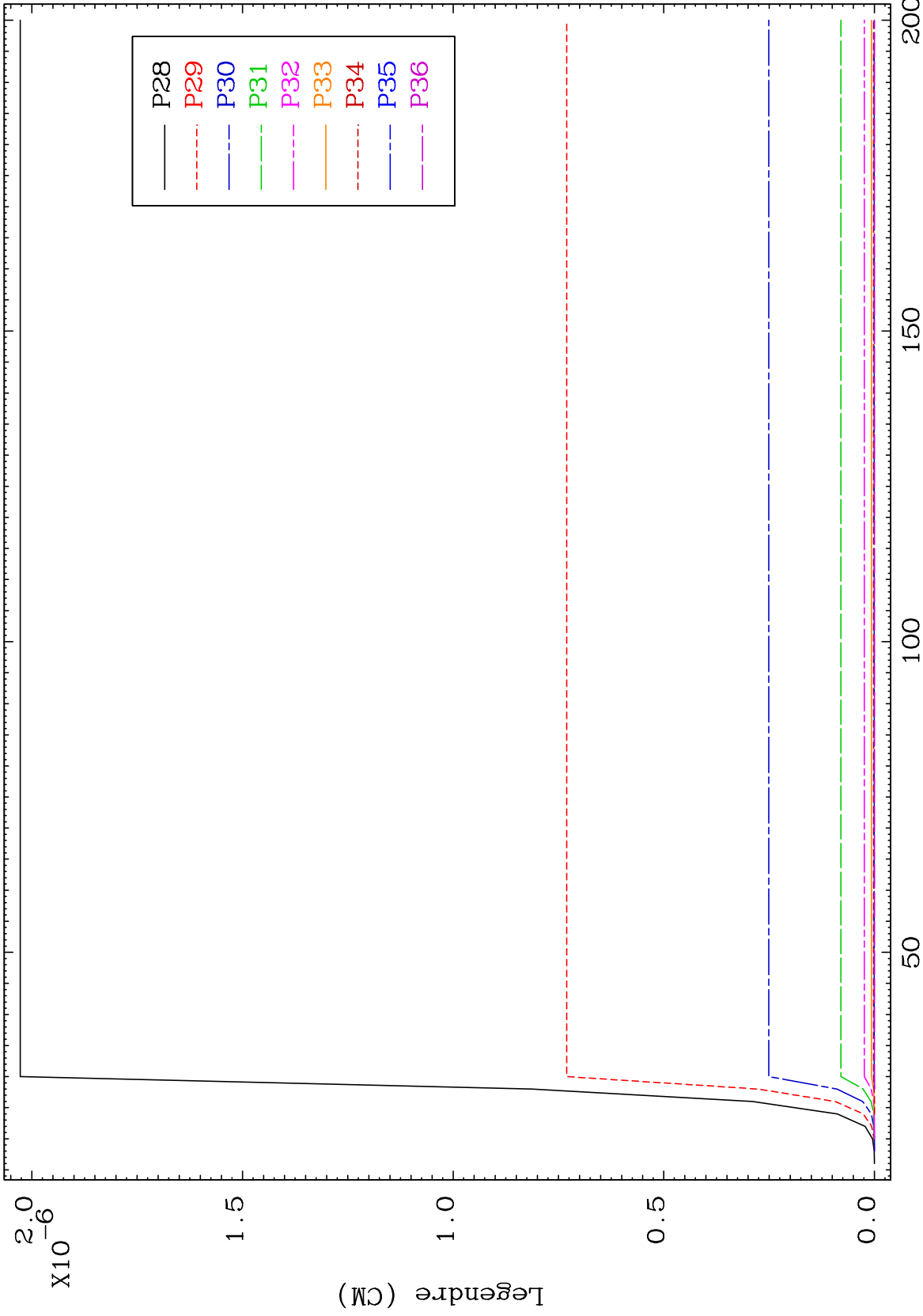
53-I -133



MAT 5343

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

53-I -133



79

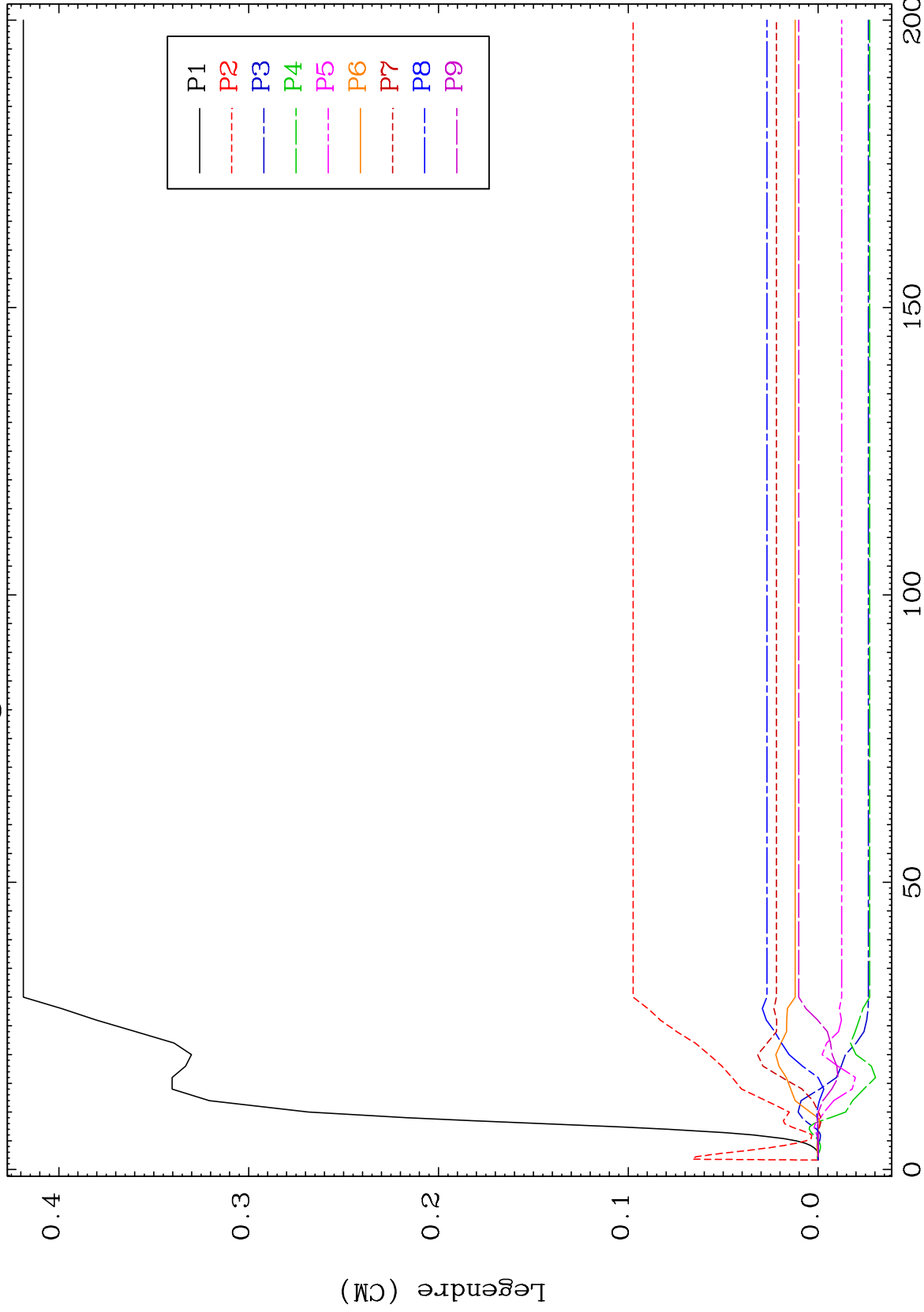
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



80

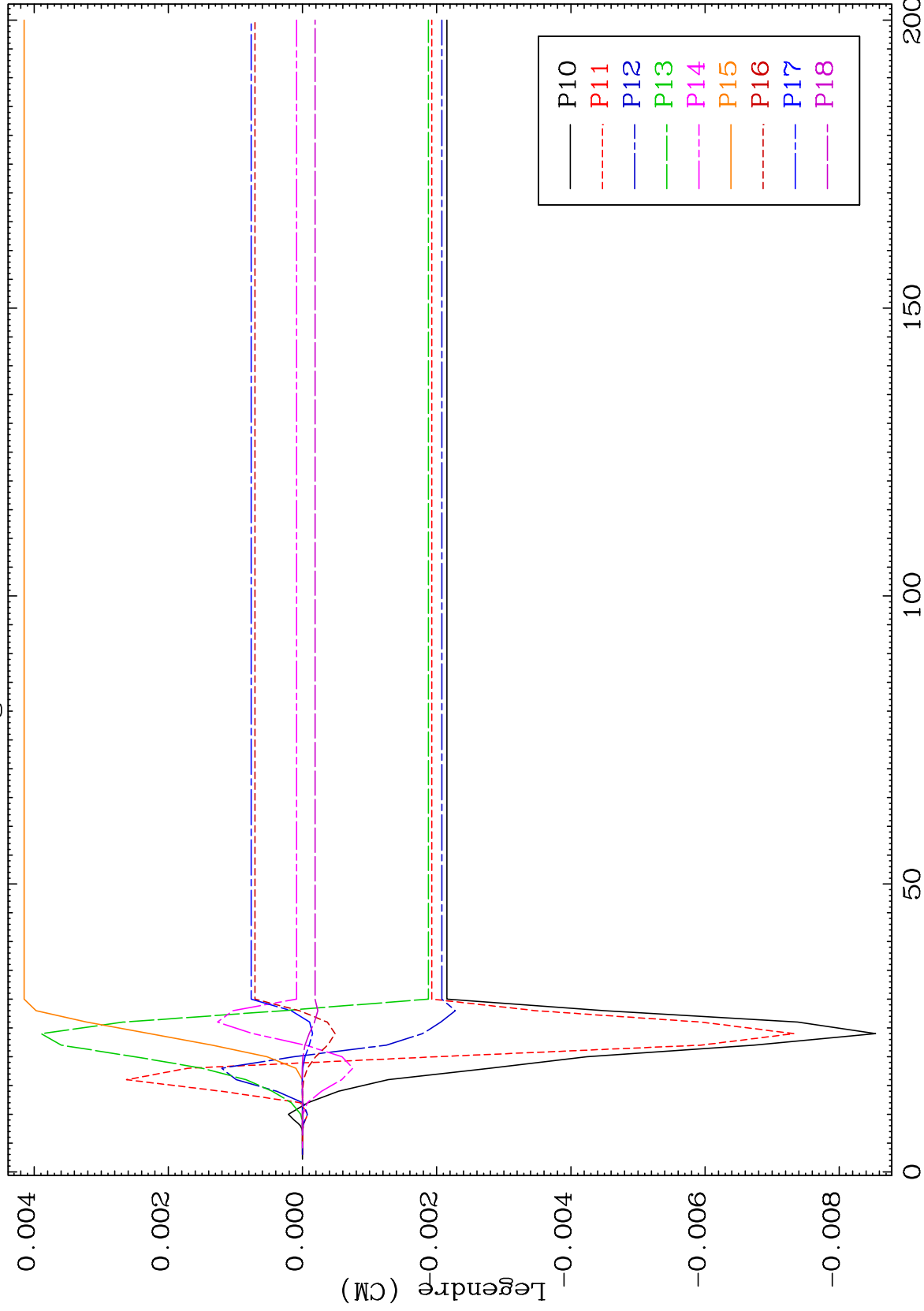
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



81

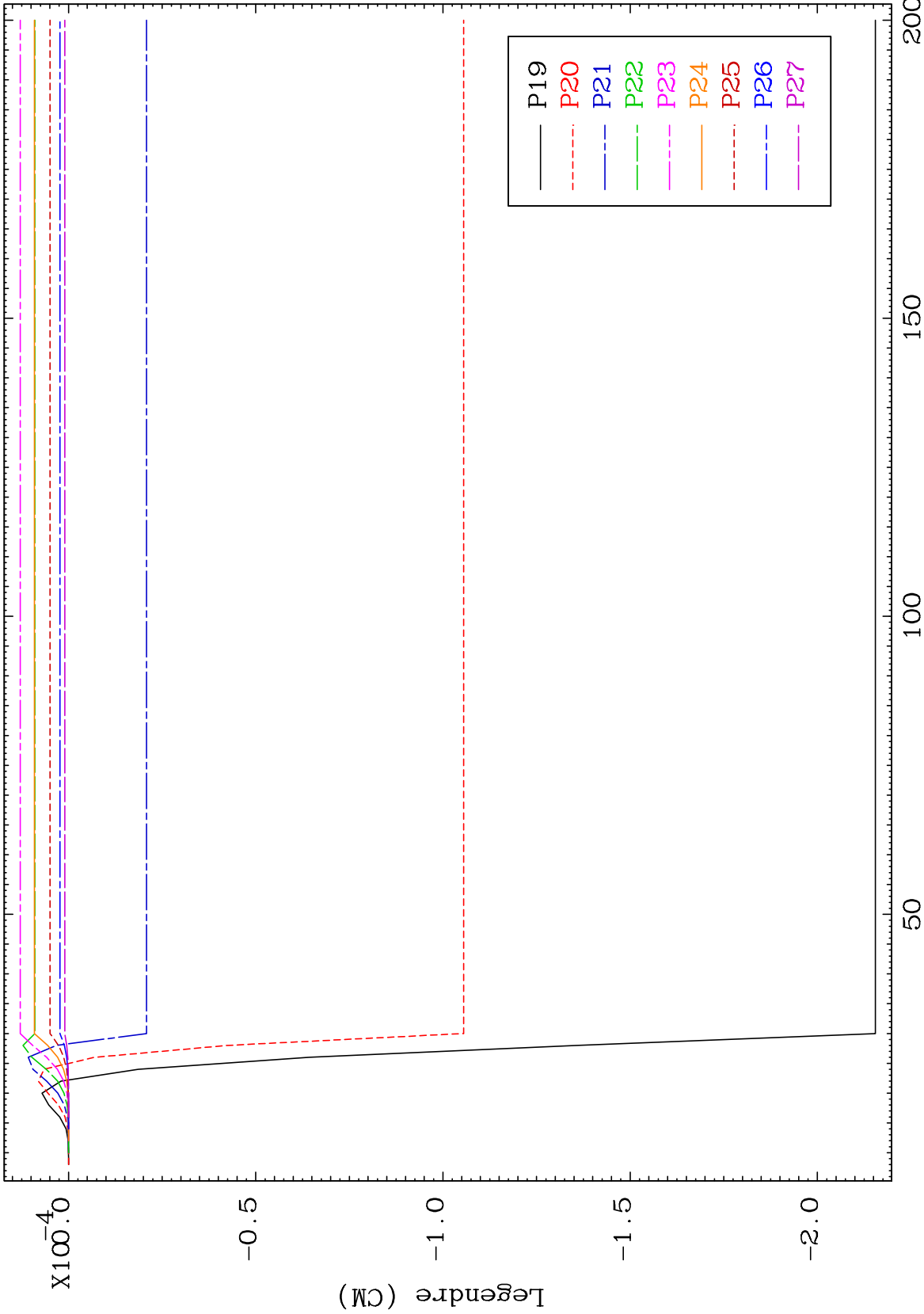
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



82

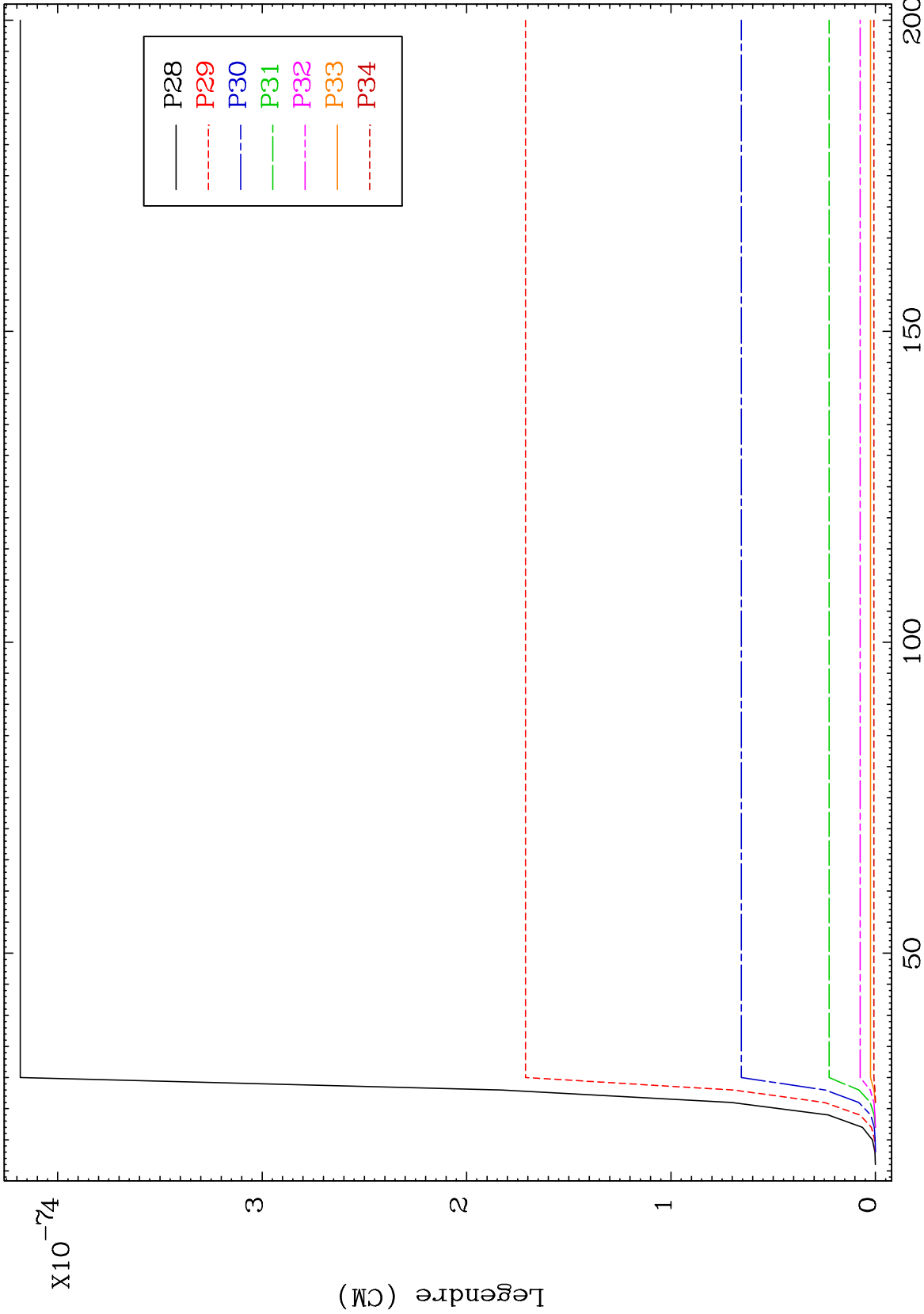
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



83

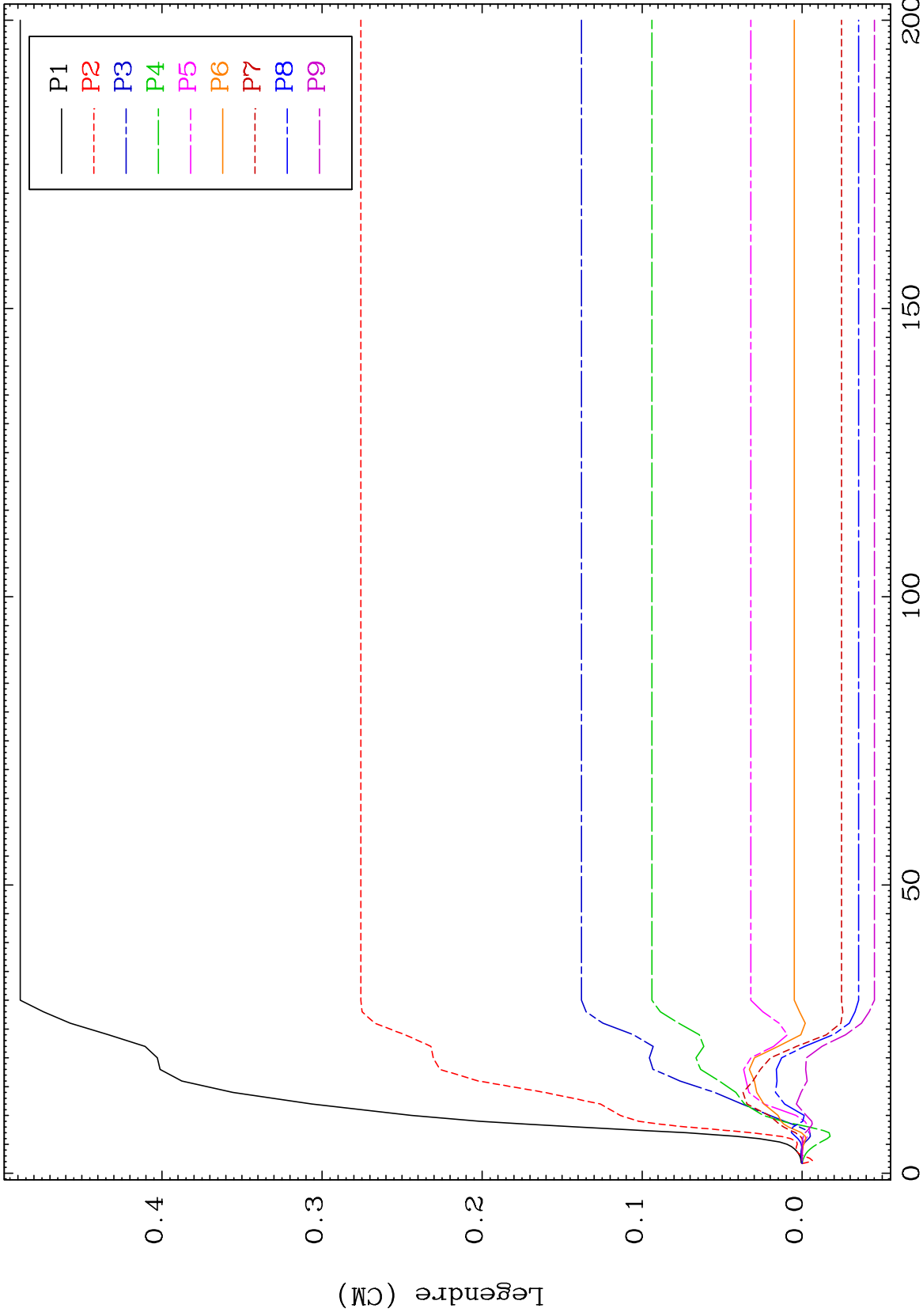
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



84

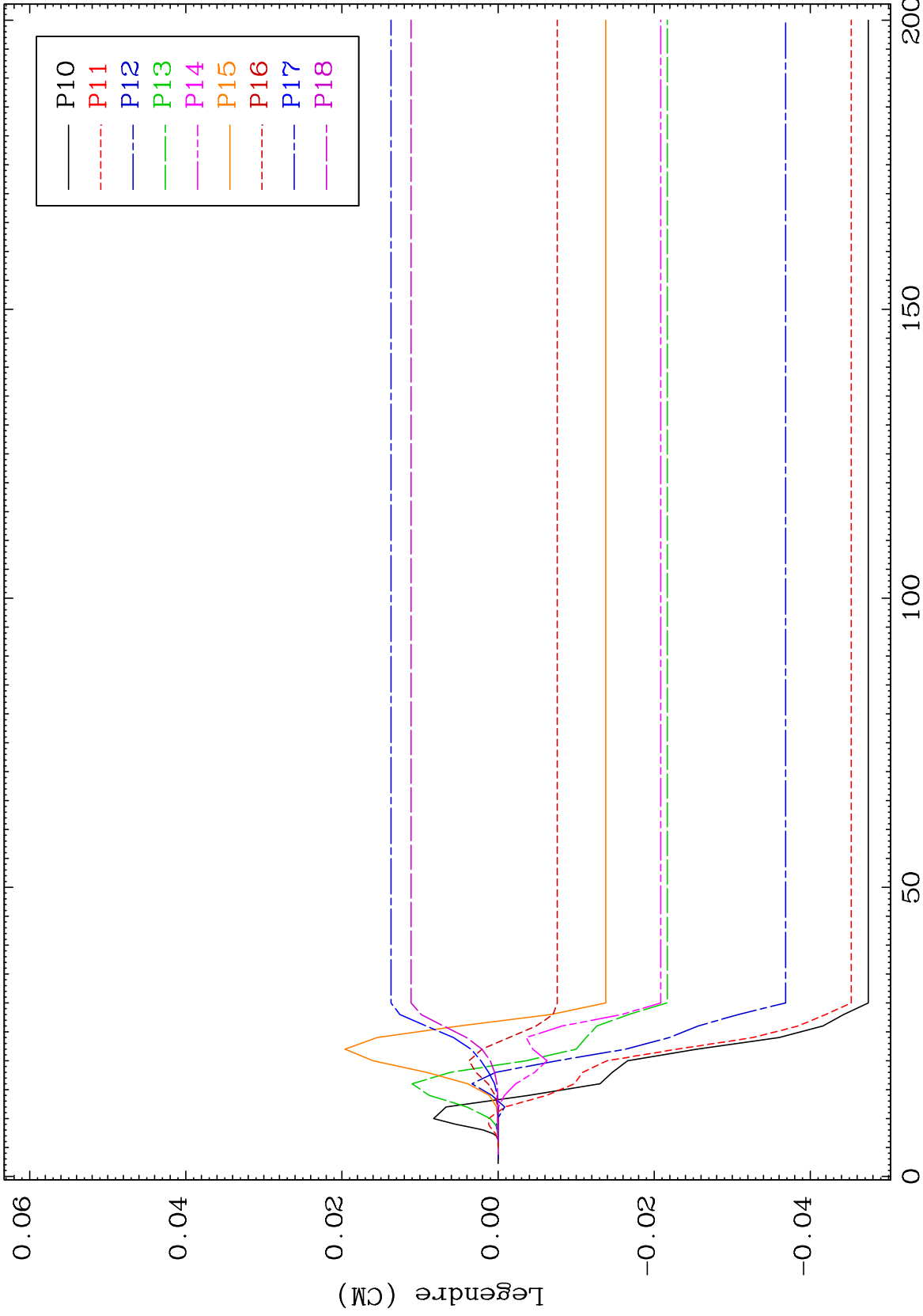
Incident Energy (MeV)

53-I -133

MAT 5343

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

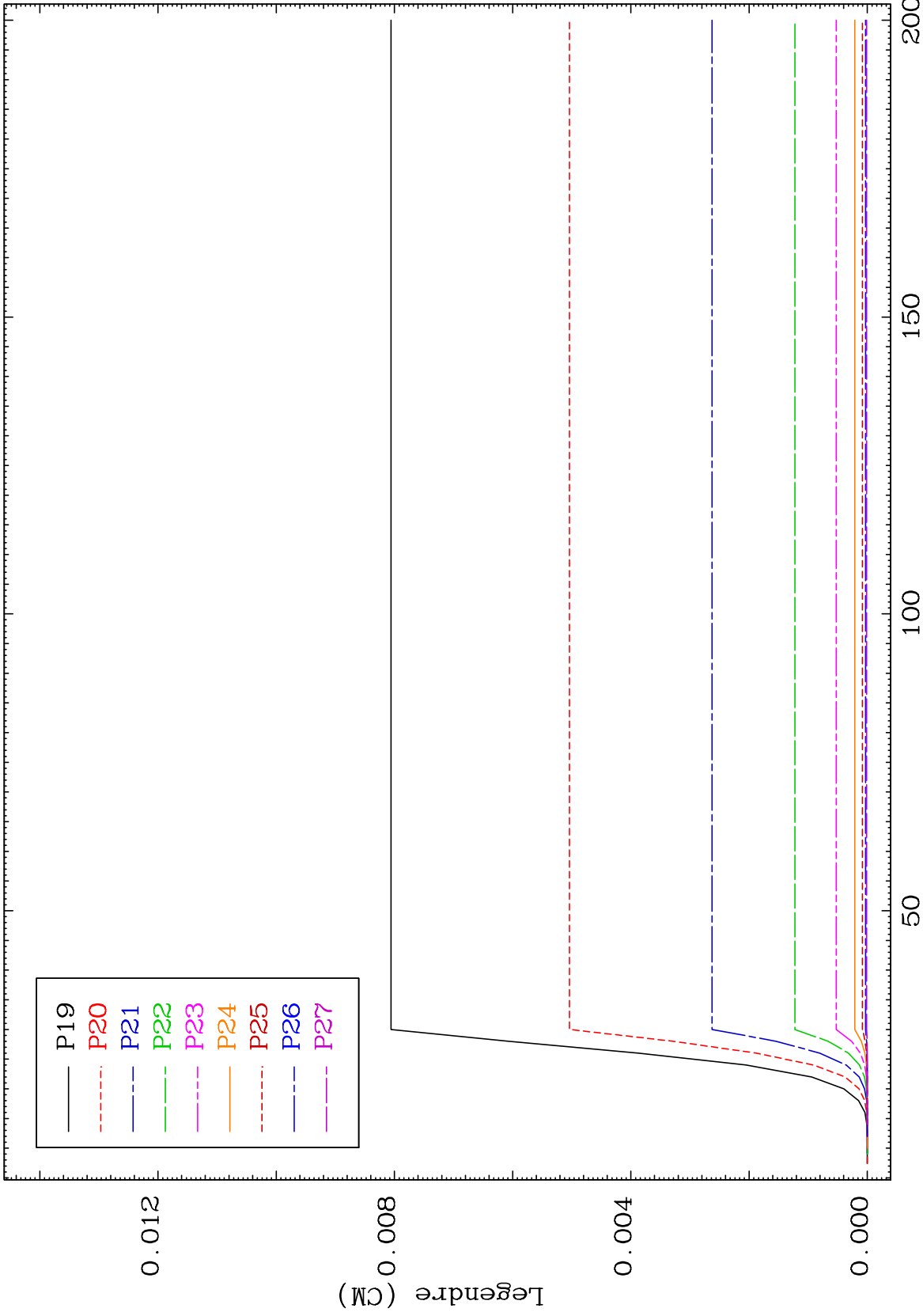
53-I -133



85

Incident Energy (MeV)

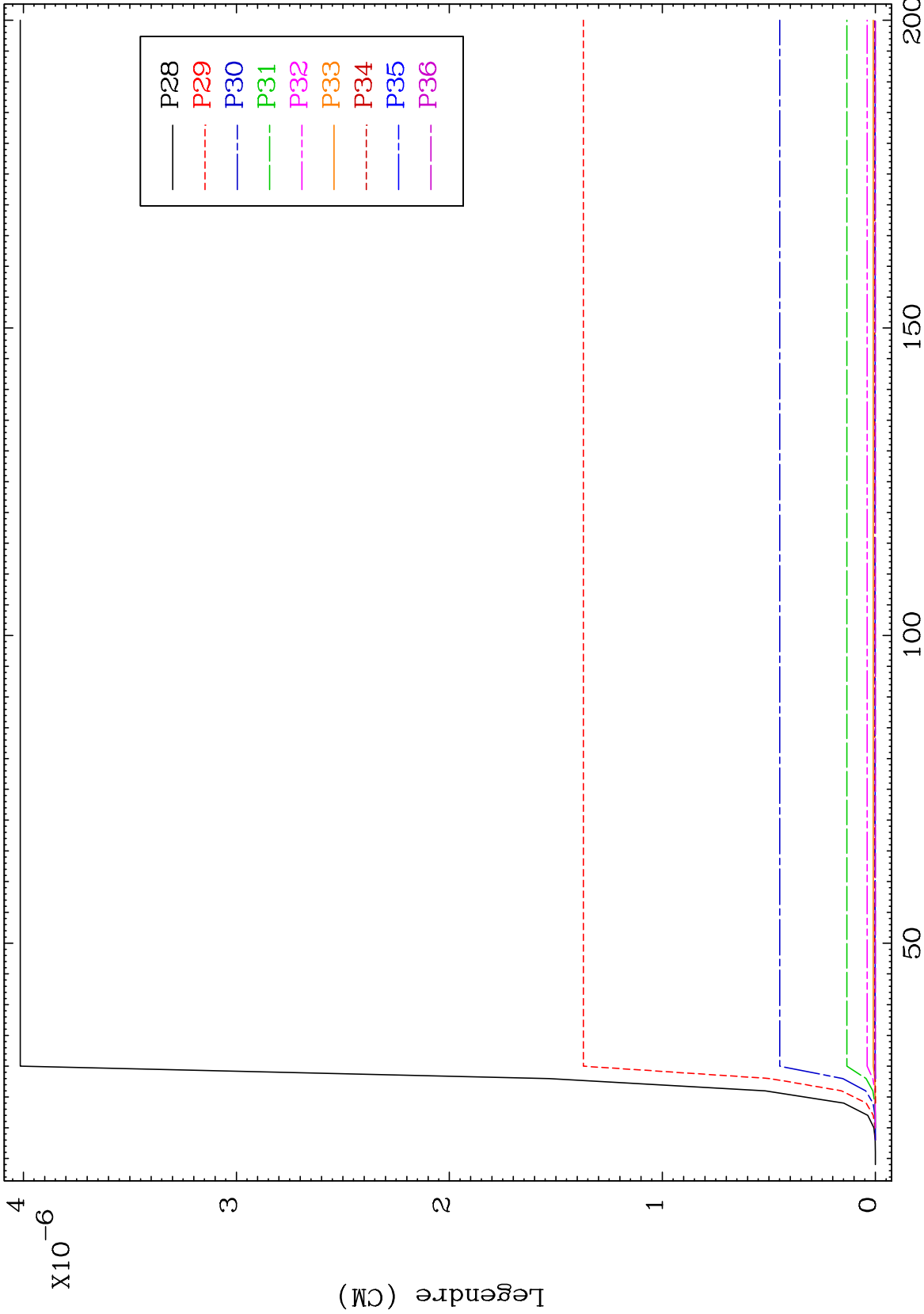
53-I -133



MAT 5343

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

53-I -133



87

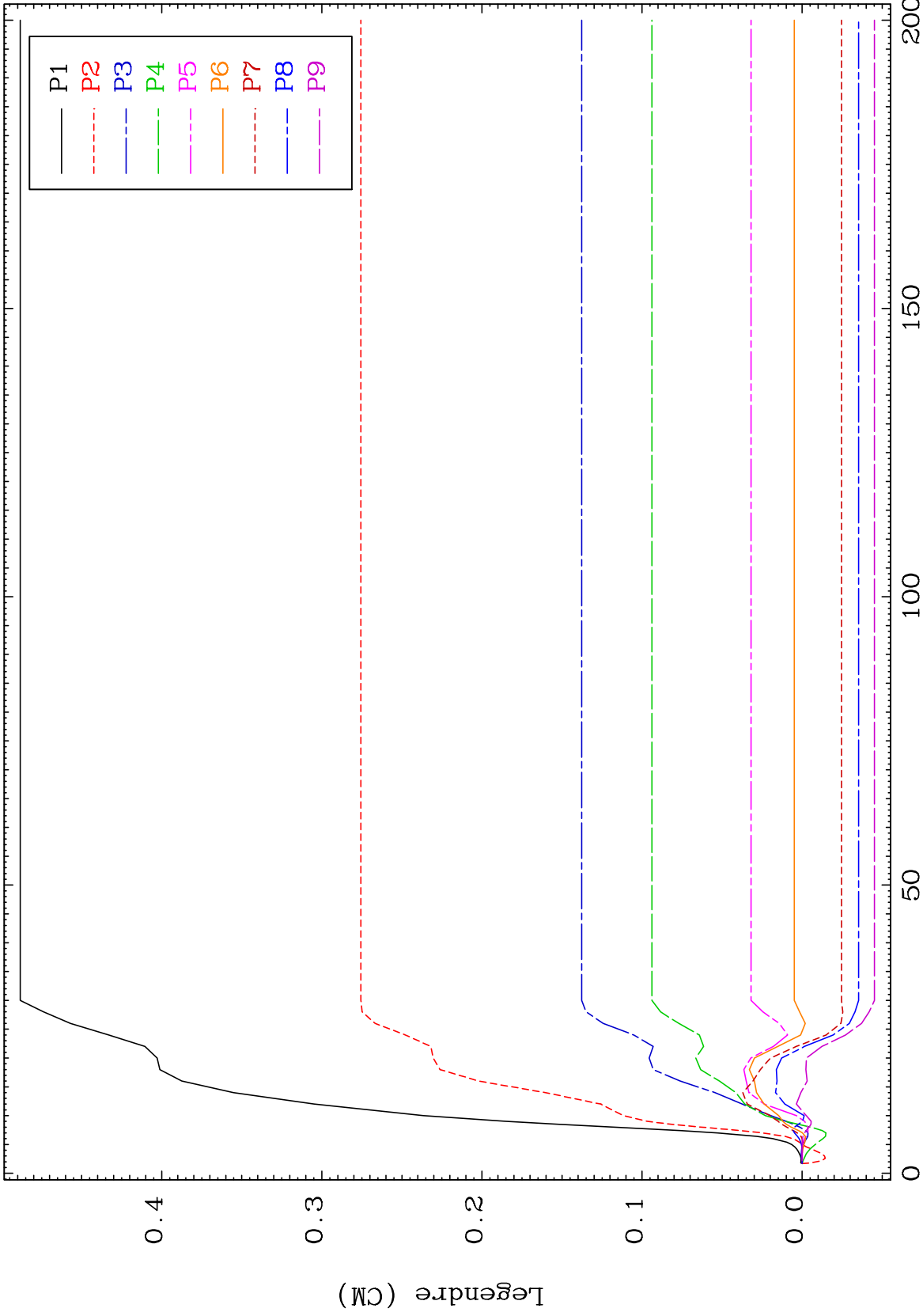
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



88

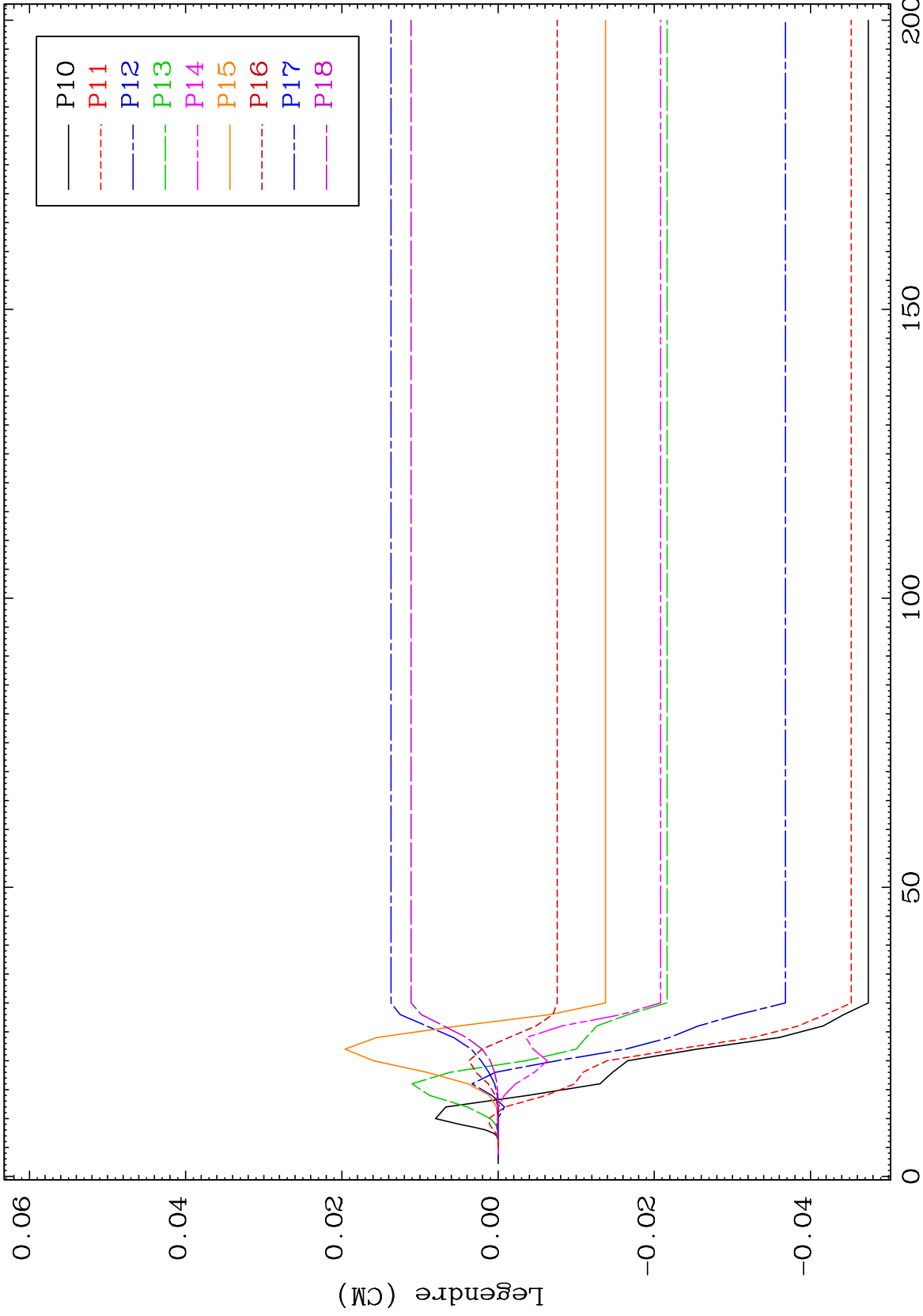
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



89

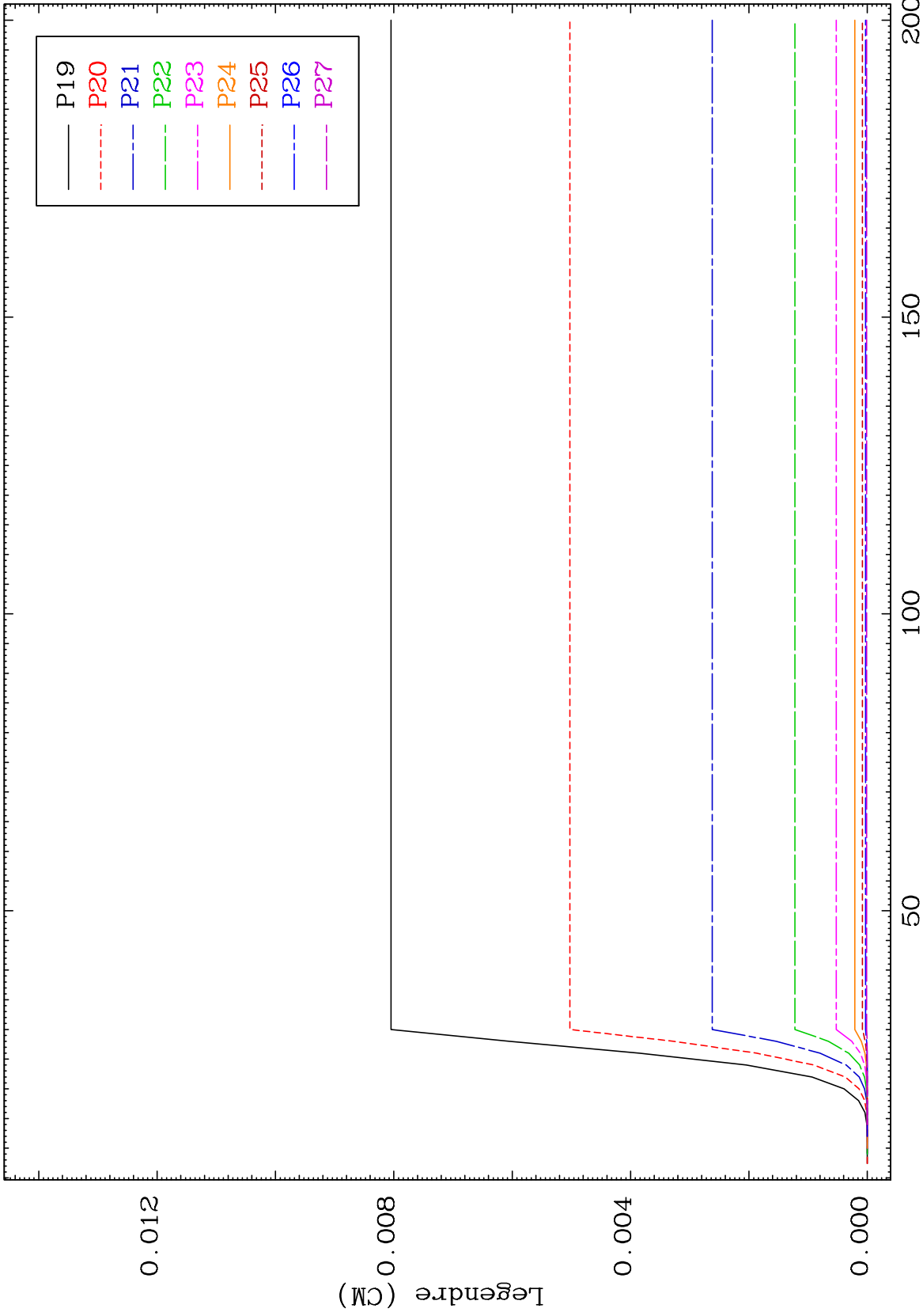
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



90

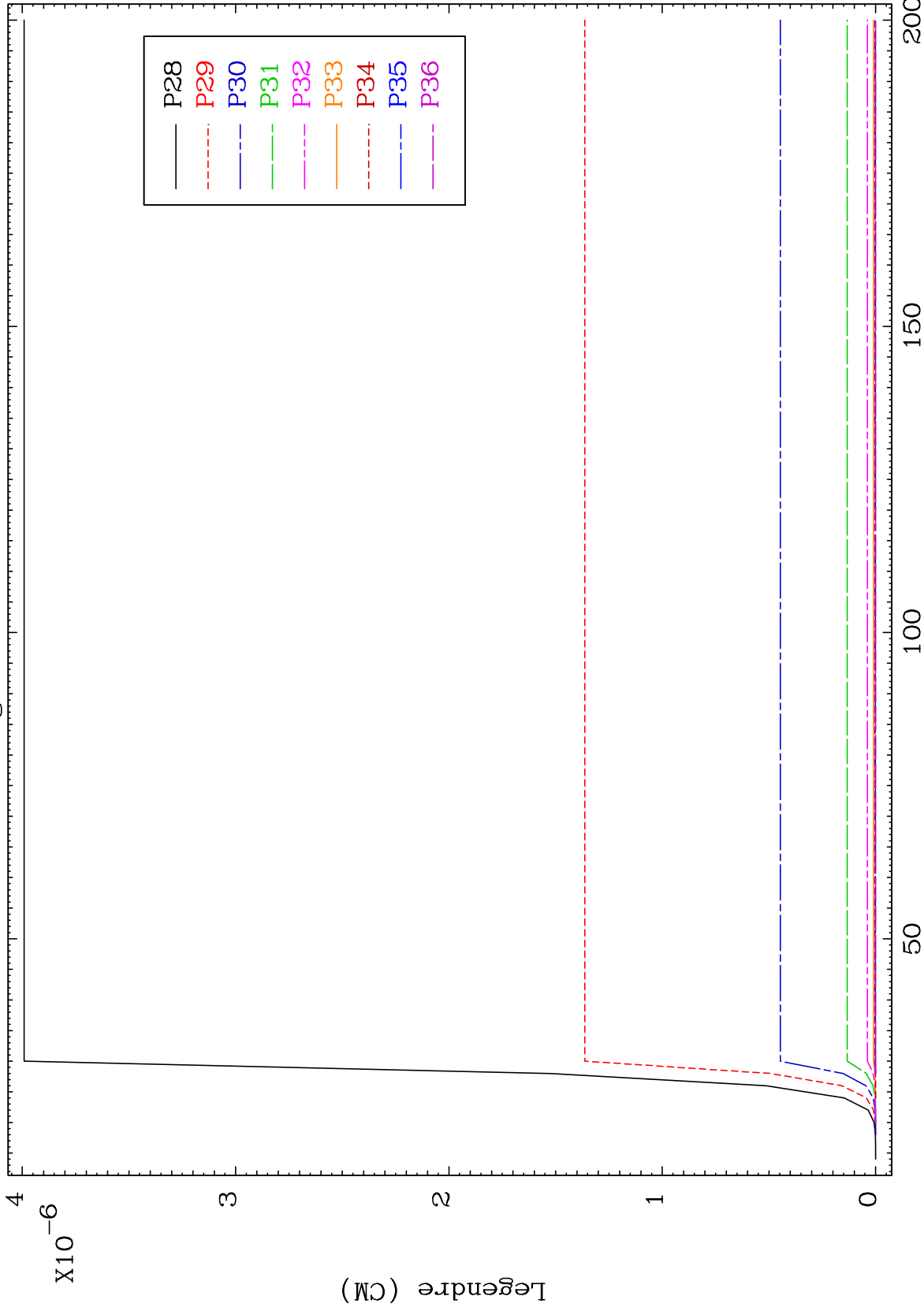
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



91

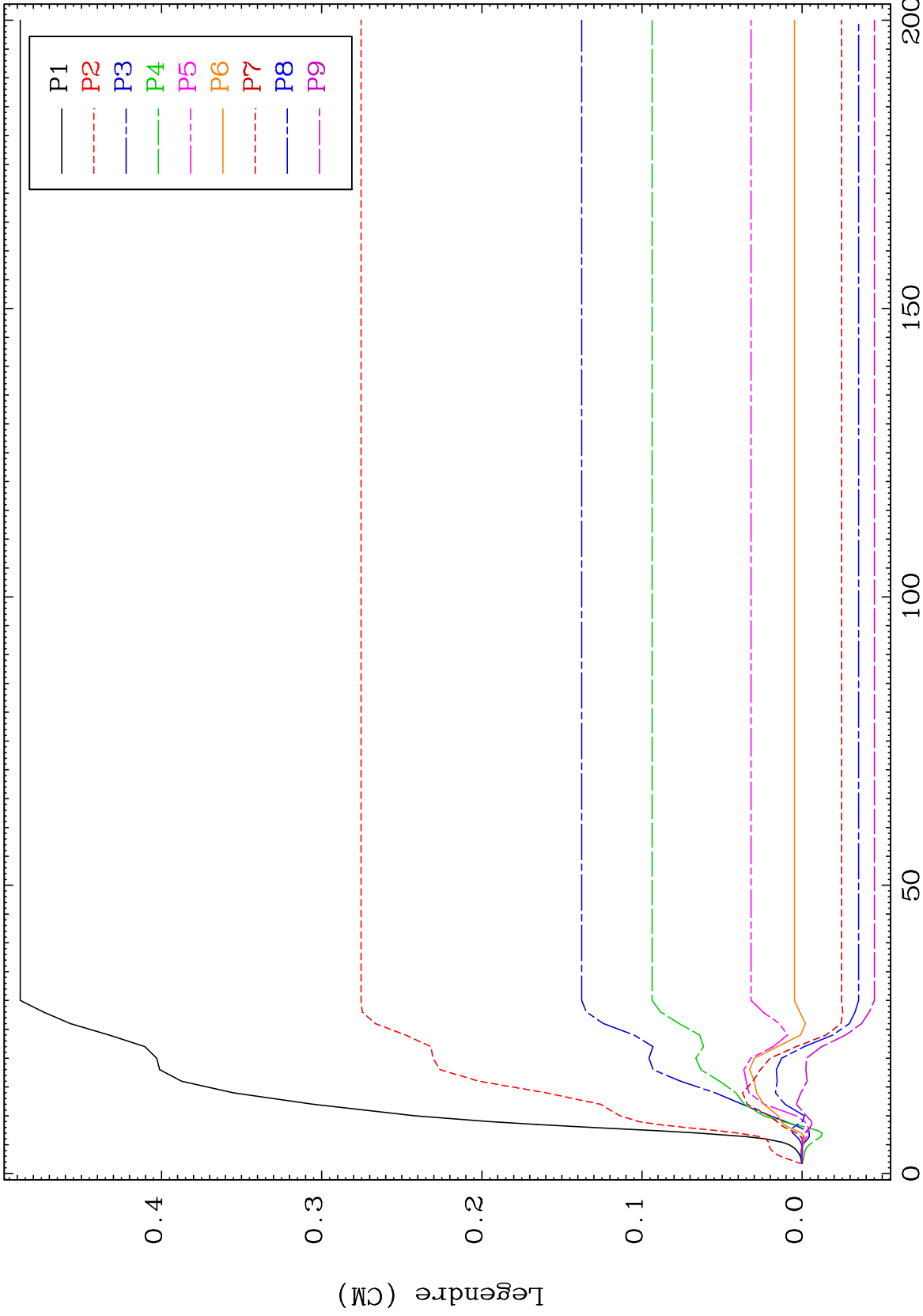
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



92

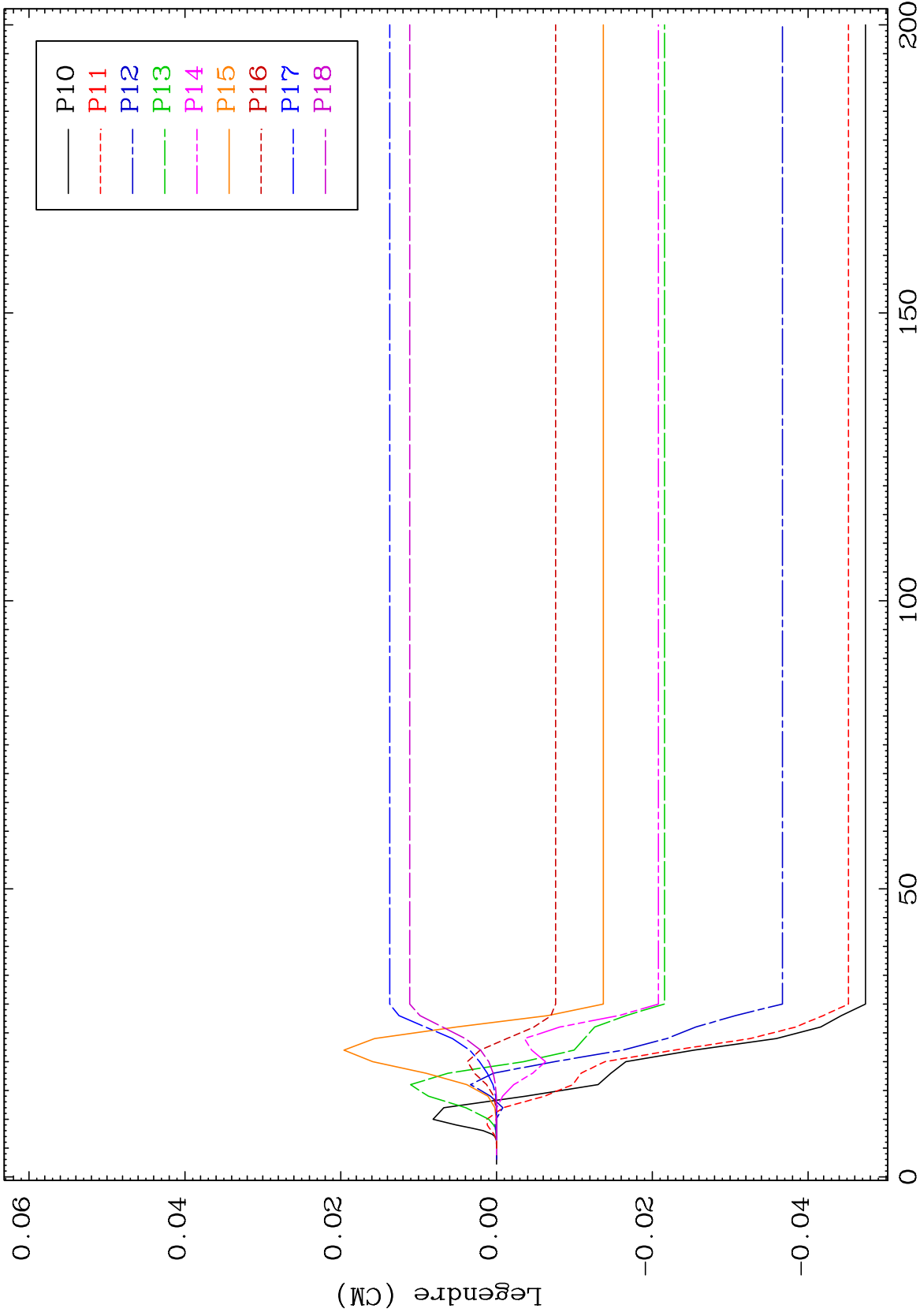
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



93

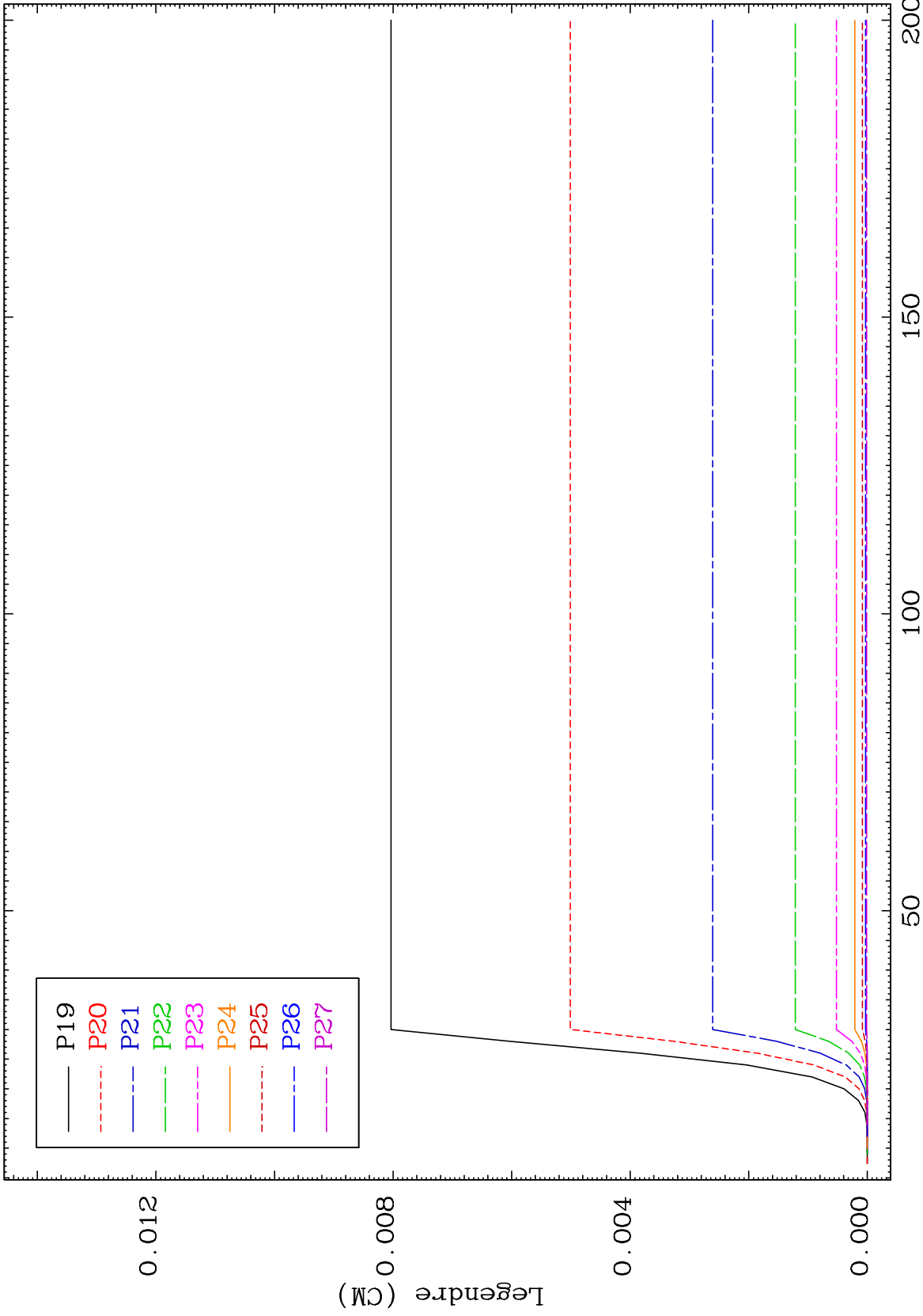
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



94

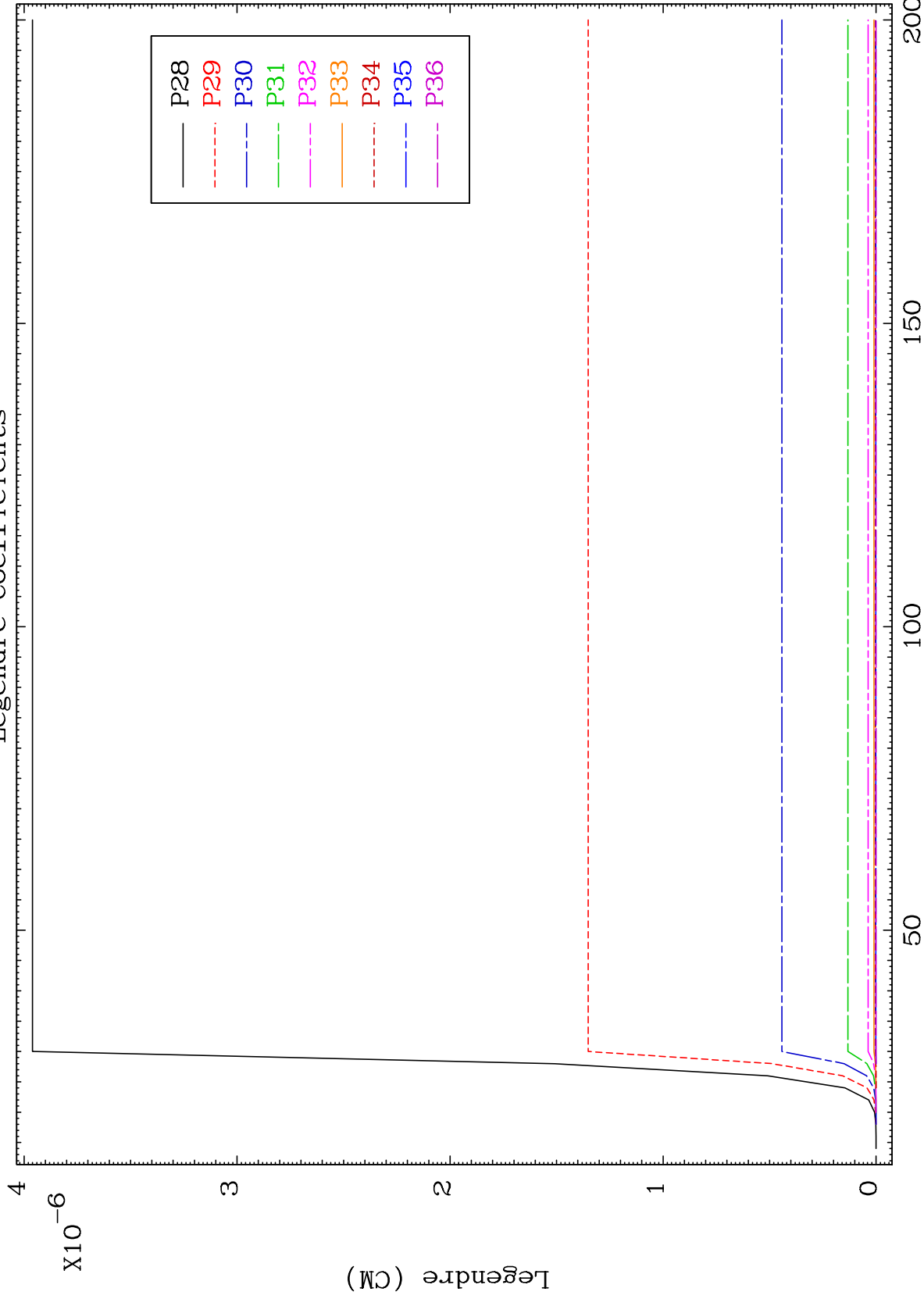
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



95

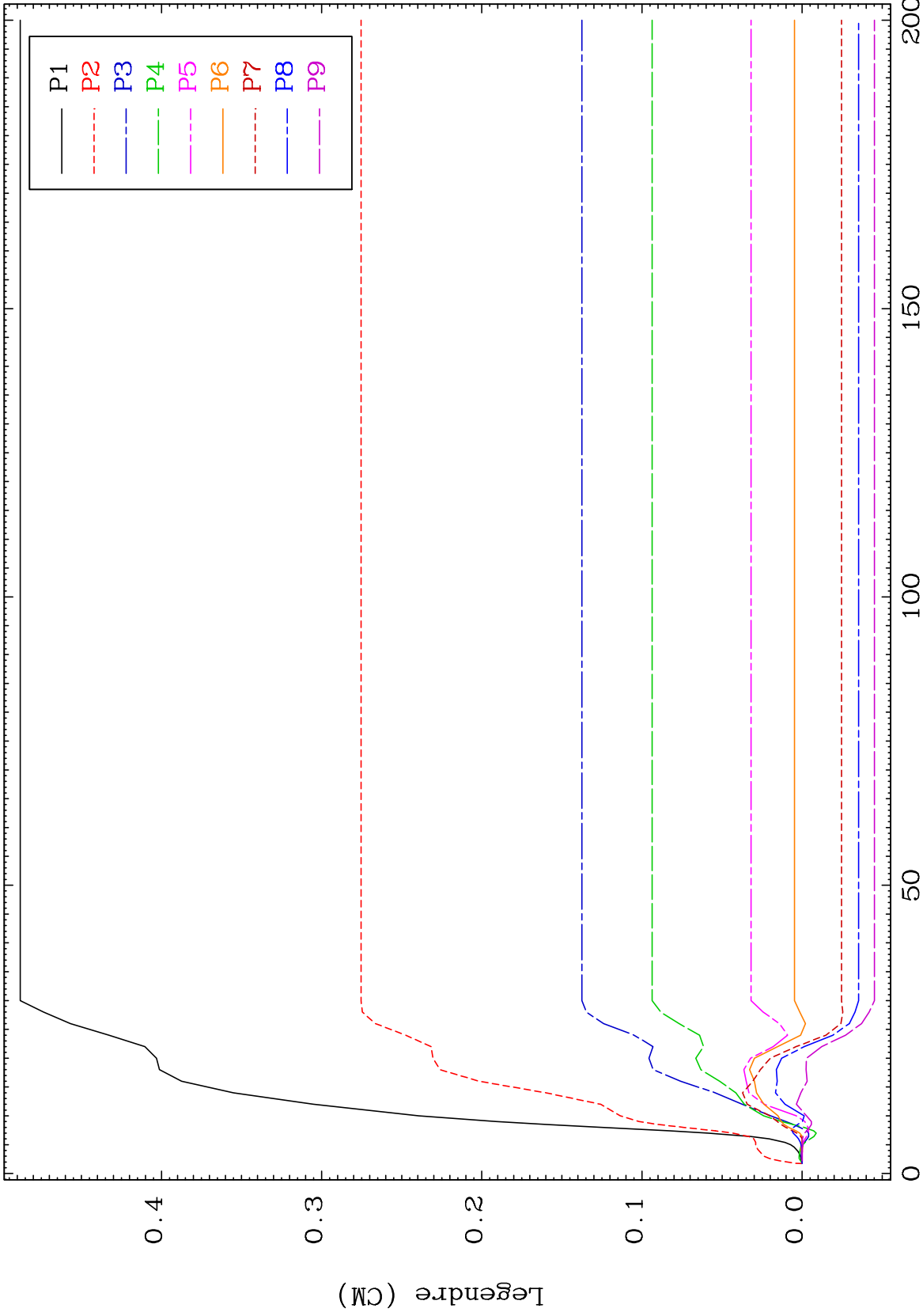
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



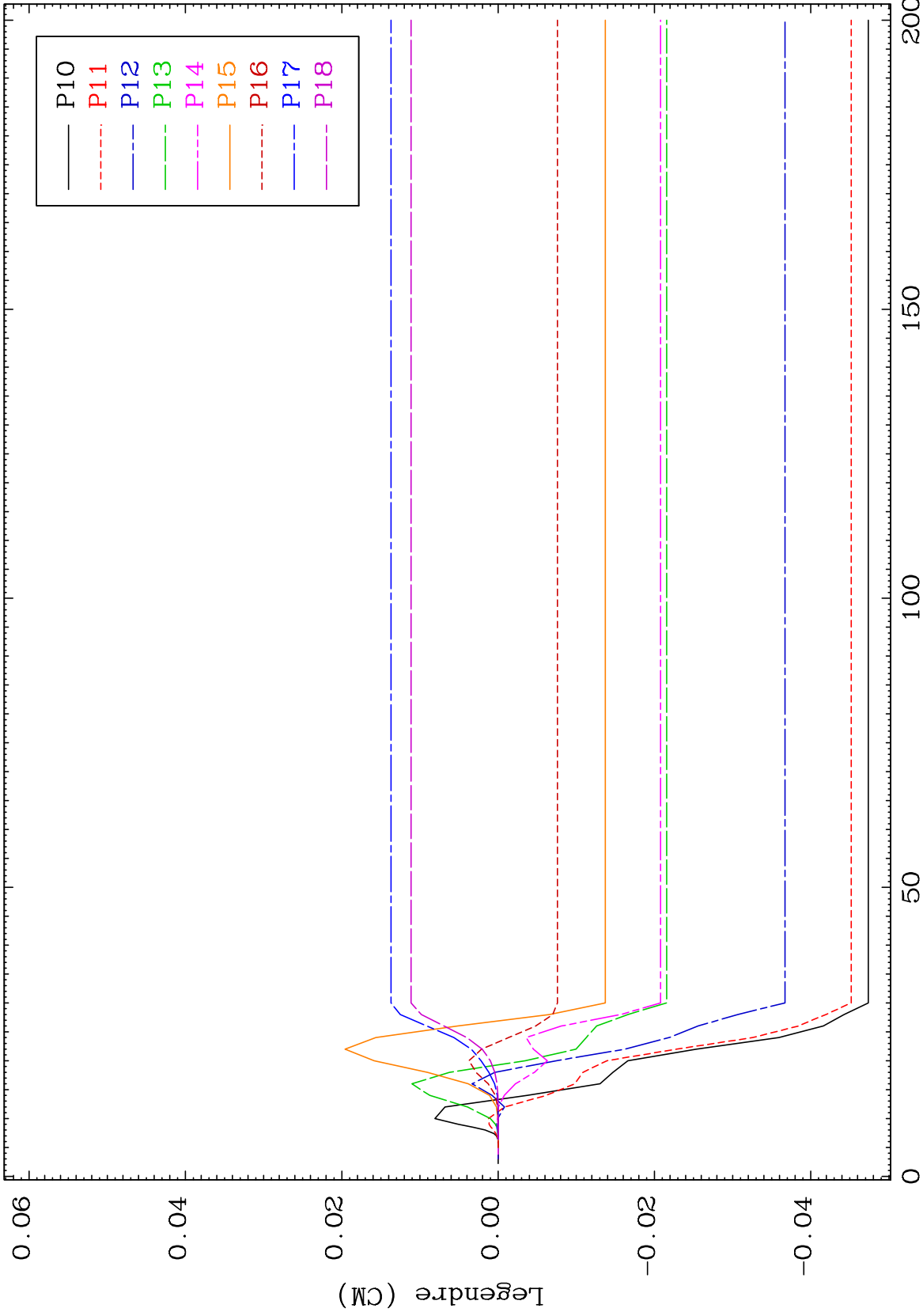
96

53-I -133

MAT 5343

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

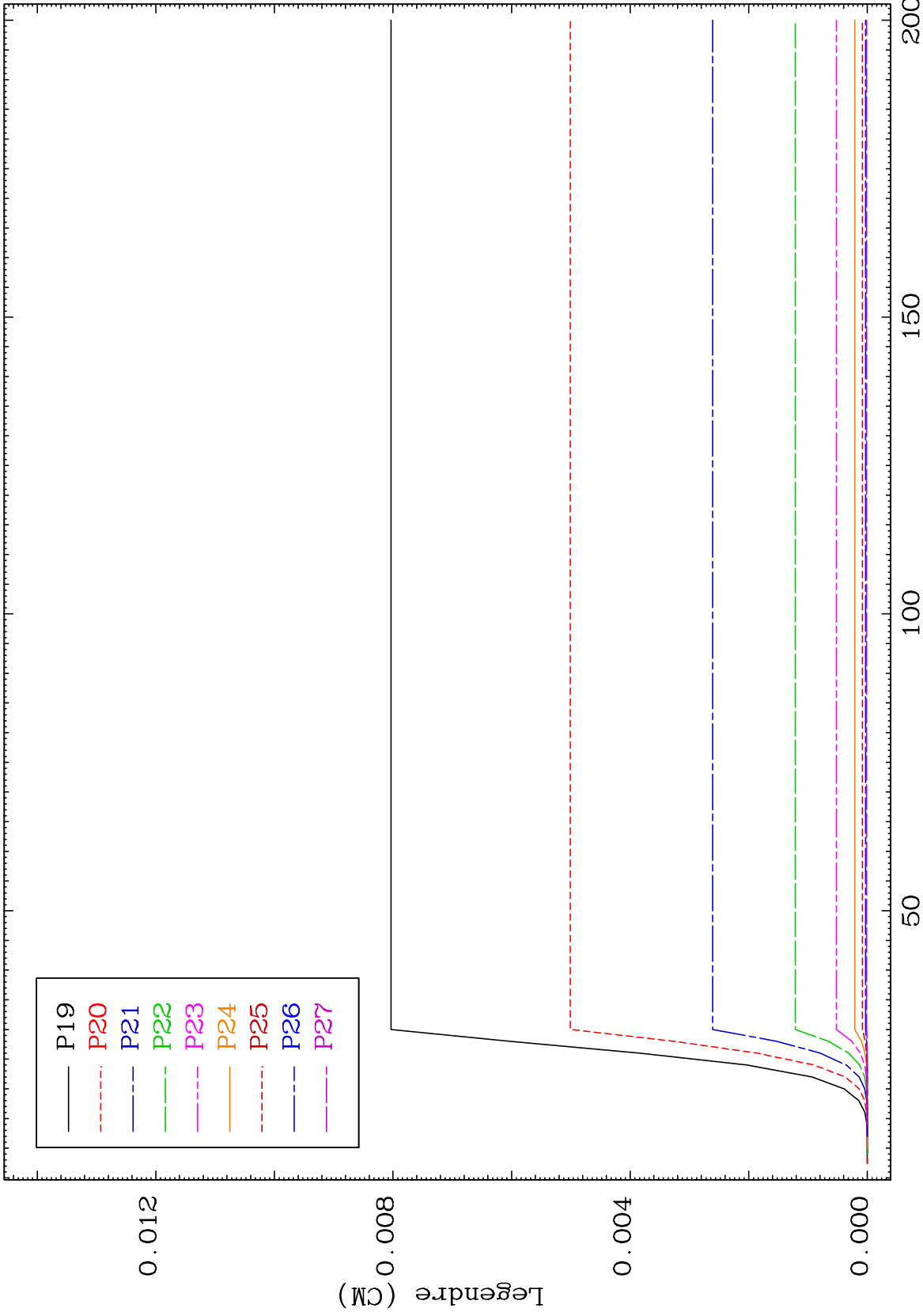
53-I -133



97

Incident Energy (MeV)

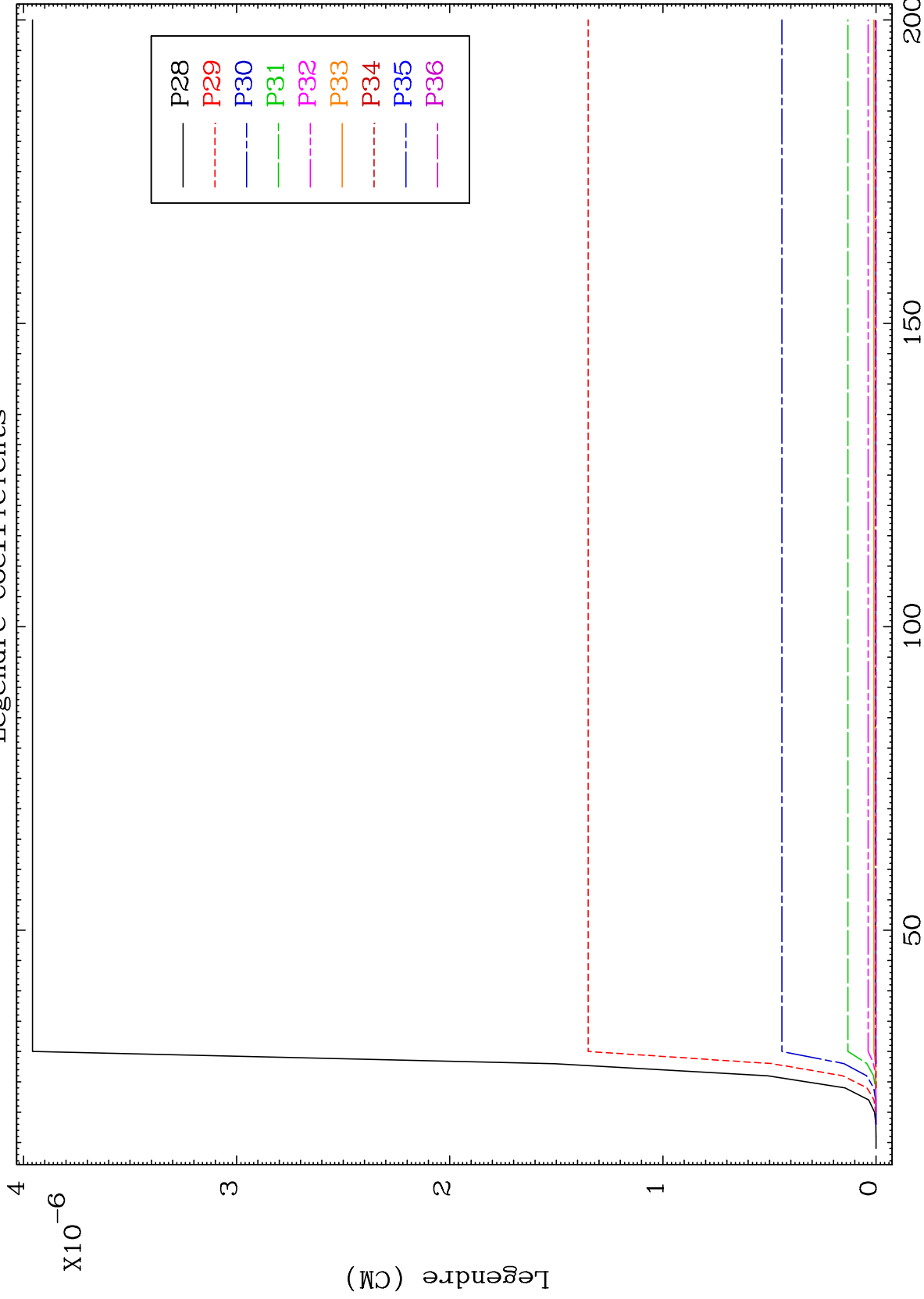
53-I -133



MAT 5343

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

53-I -133



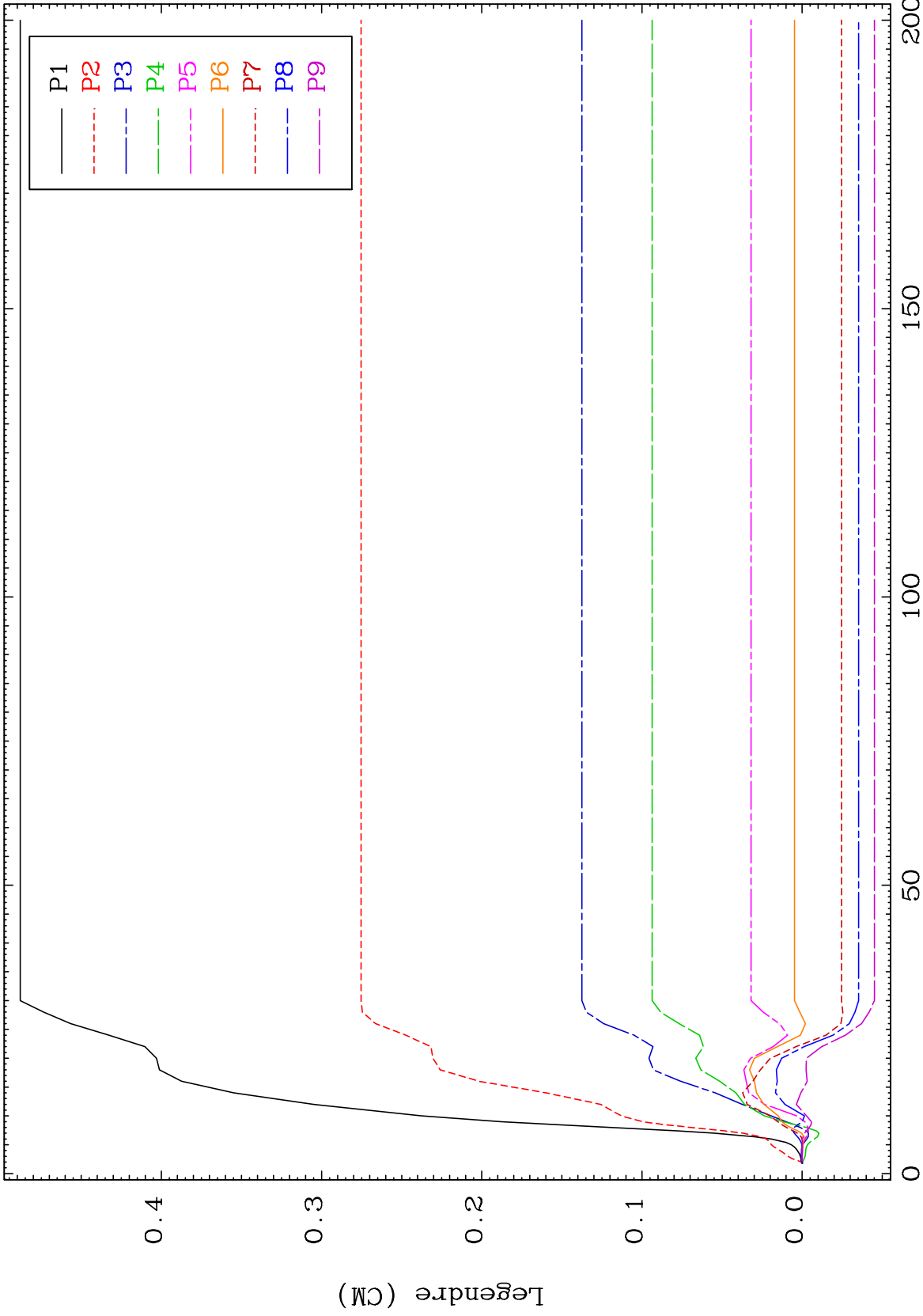
99

53-I -133

MAT 5343

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

53-I -133



53-I -133

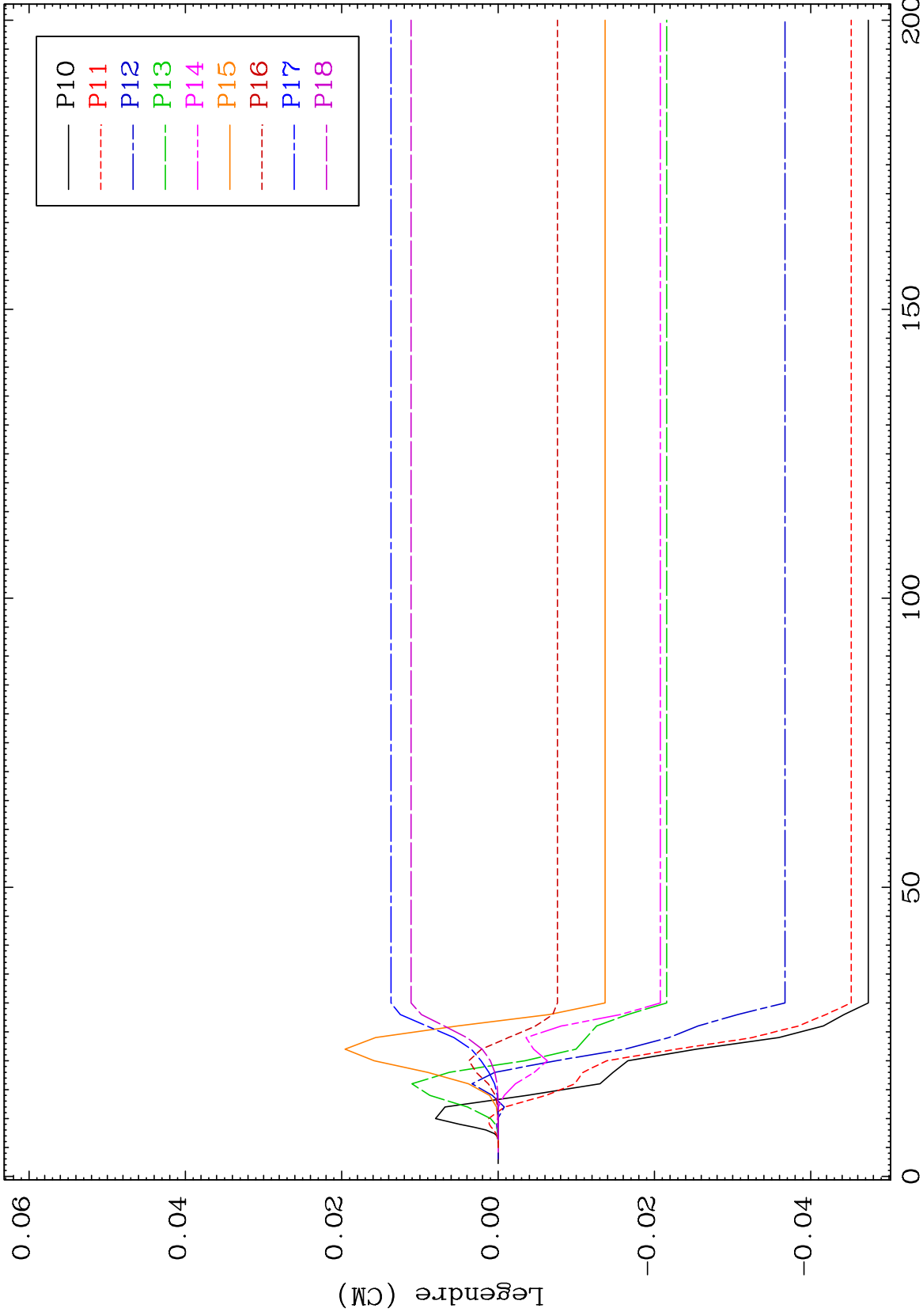
Incident Energy (MeV)

100

MAT 5343

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

53-I -133



101

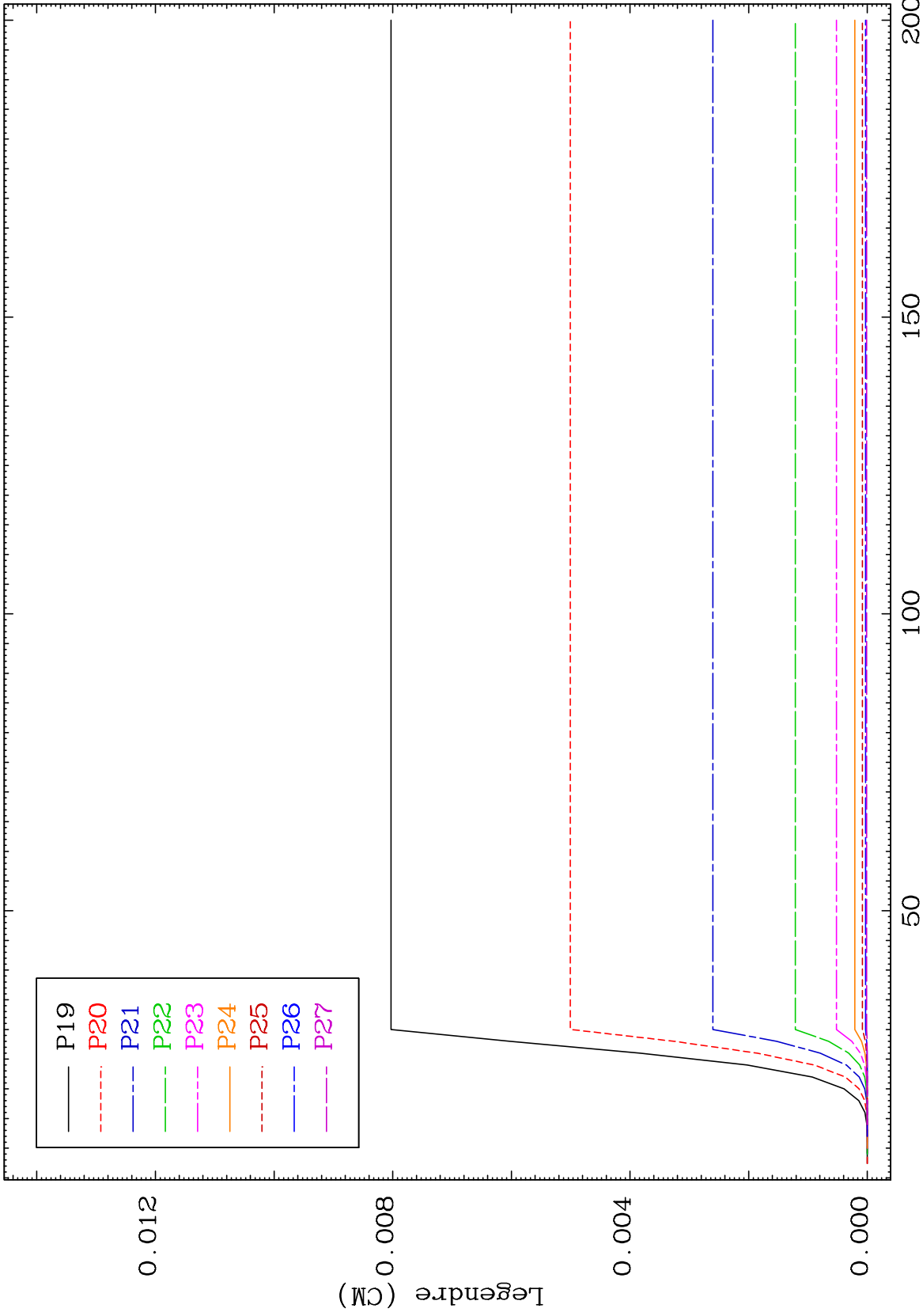
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



102

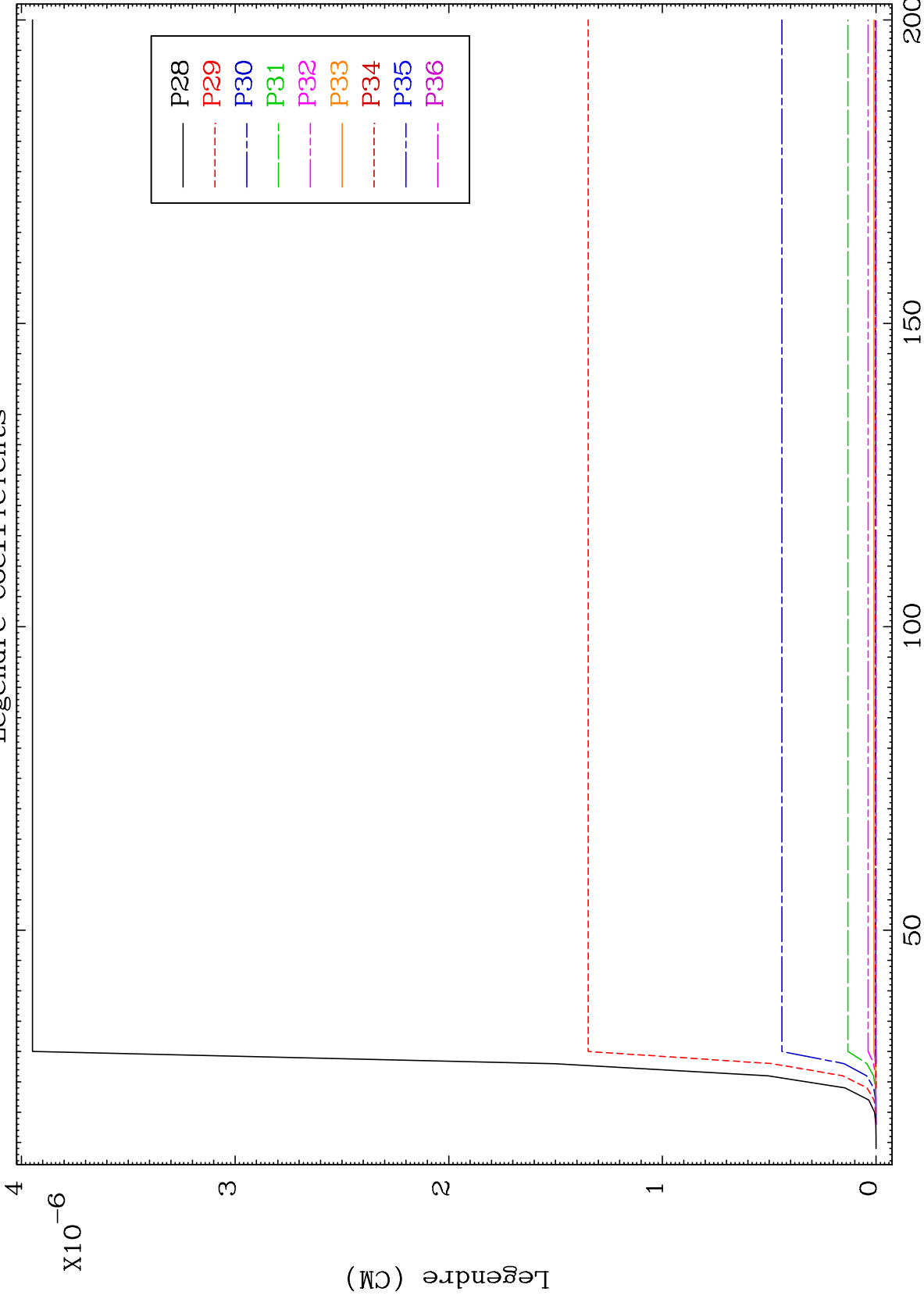
Incident Energy (MeV)

53-I -133

MAT 5343

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

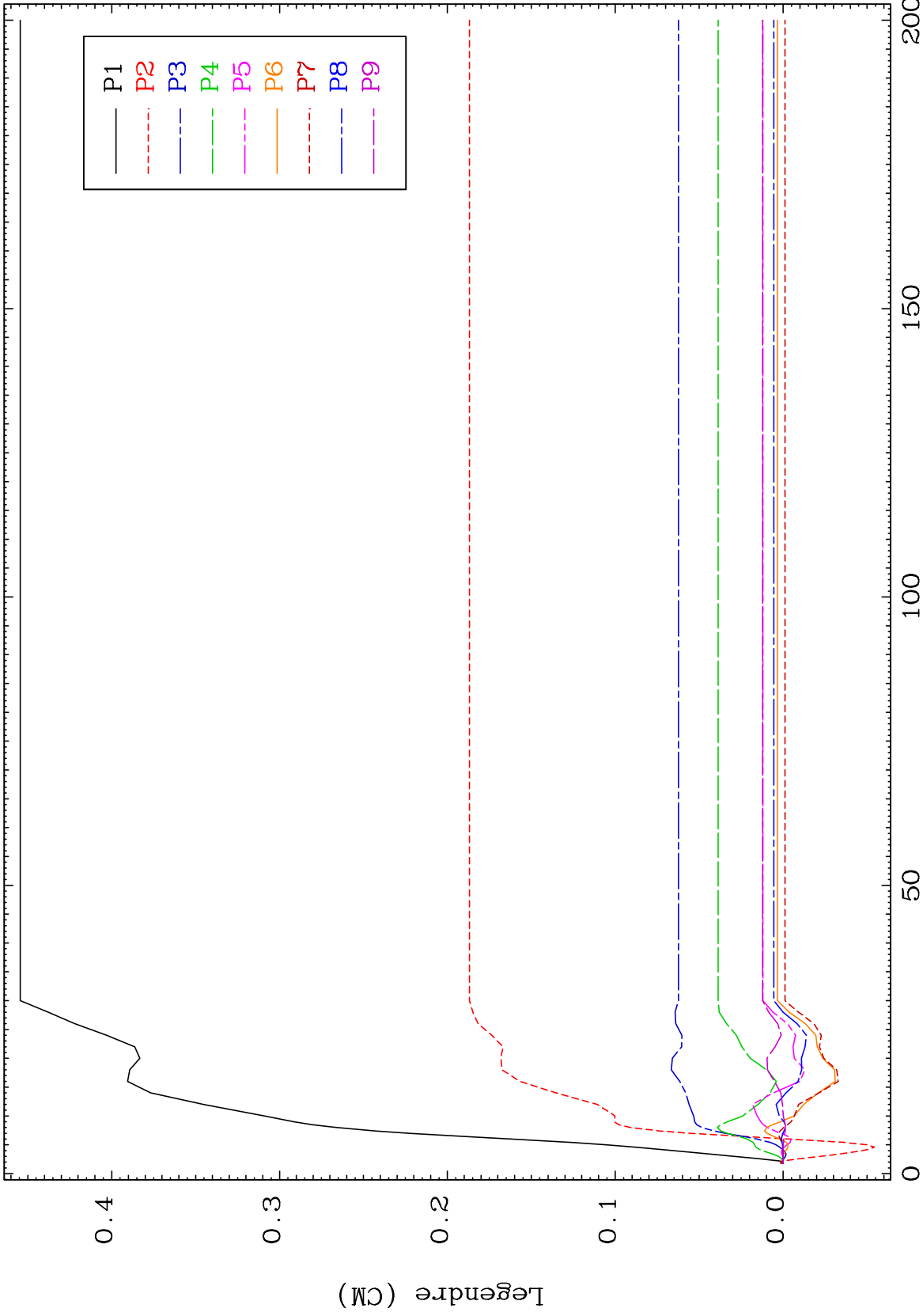
53-I -133



103

Incident Energy (MeV)

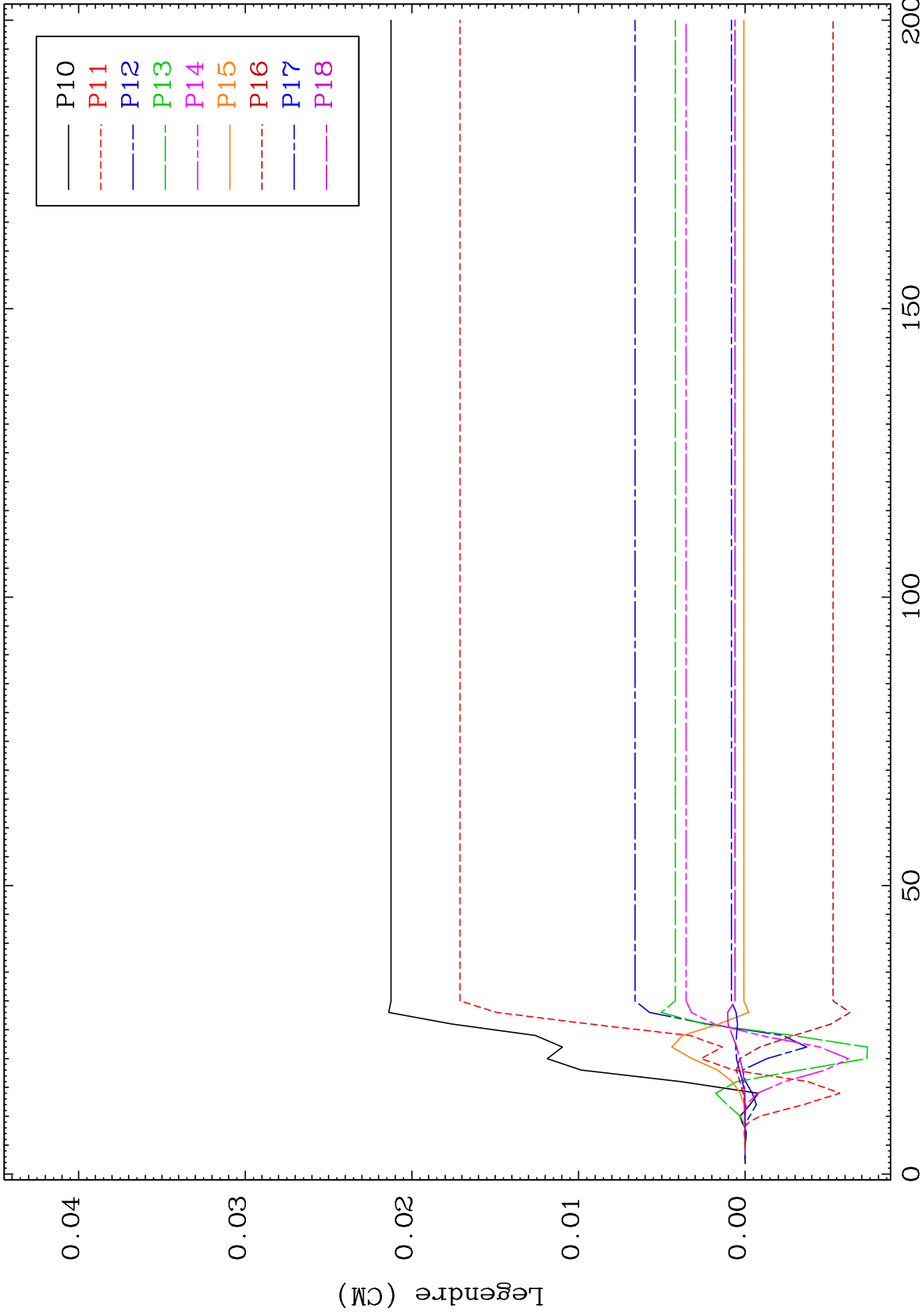
53-I -133



MAT 5343

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

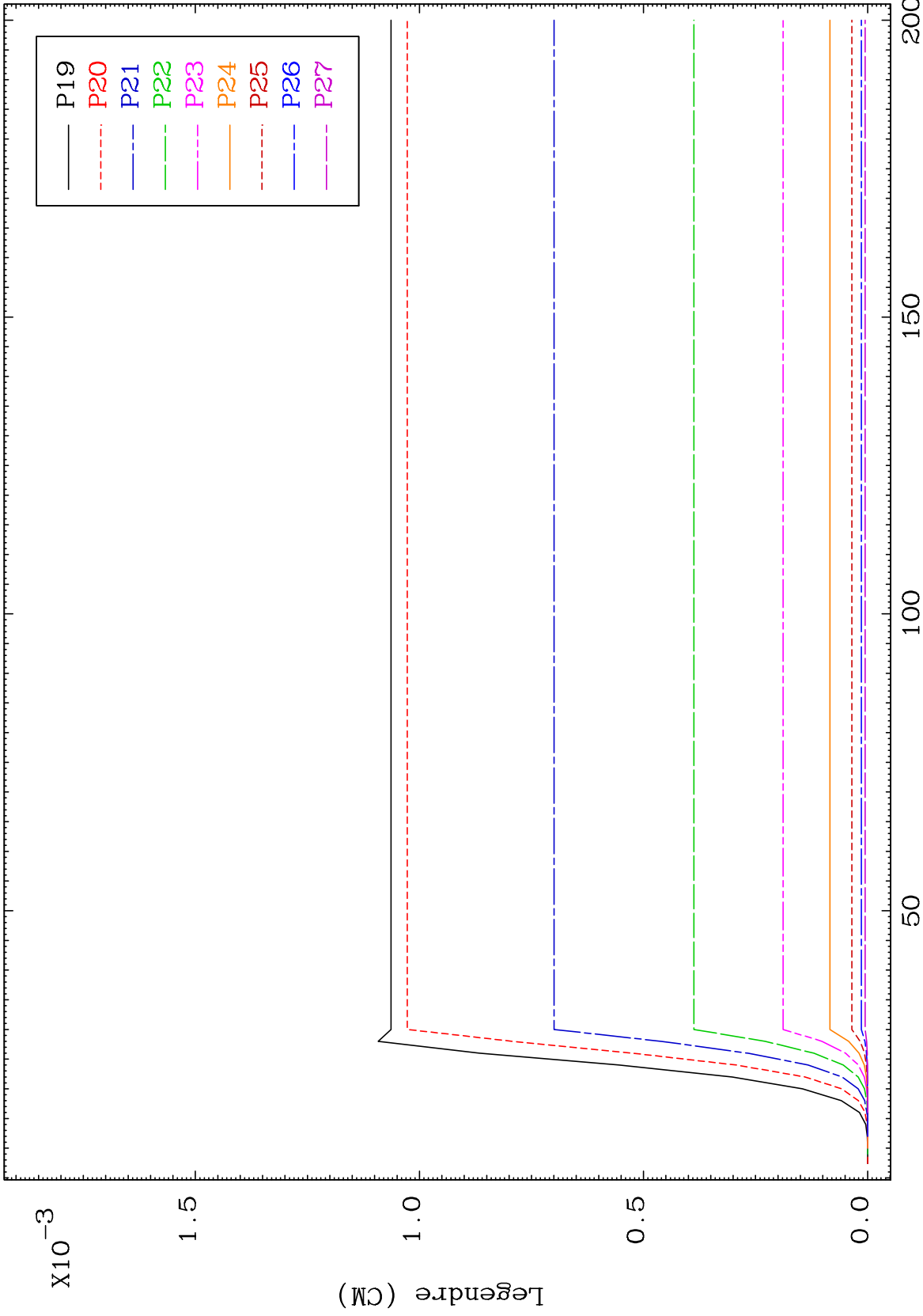
53-I -133



53-I -133

Incident Energy (MeV)

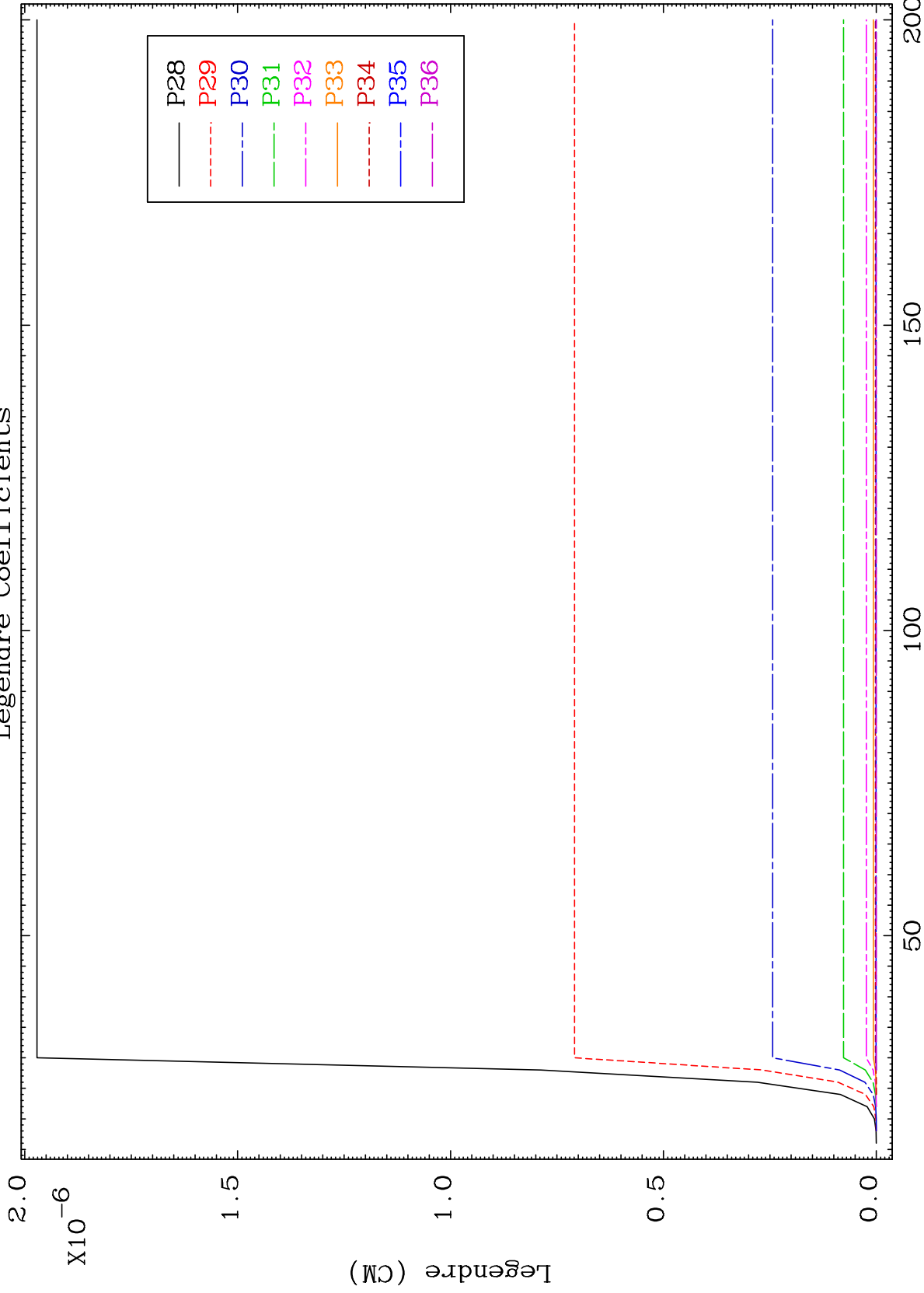
105



MAT 5343

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

53-I -133



107

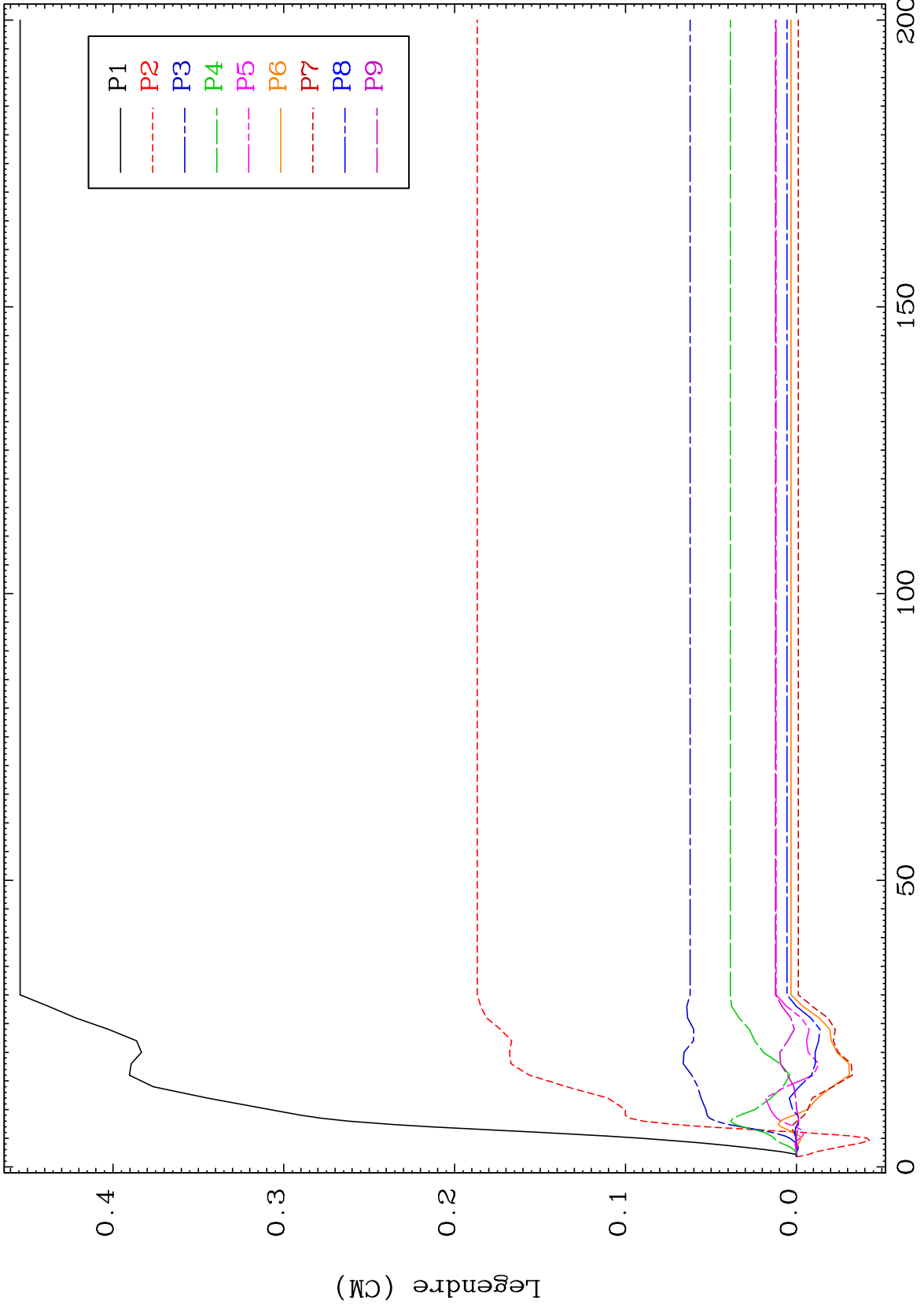
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



108

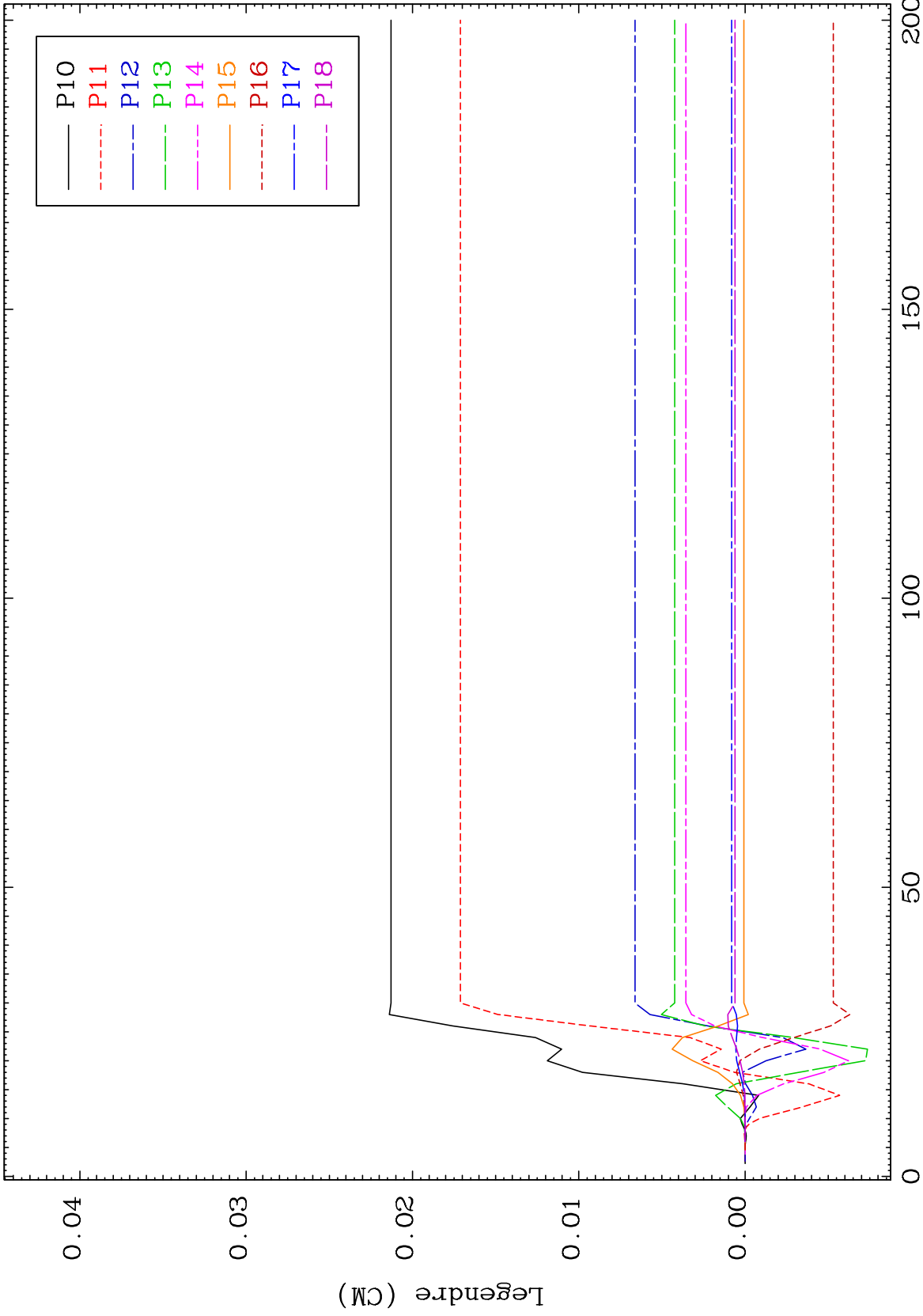
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



109

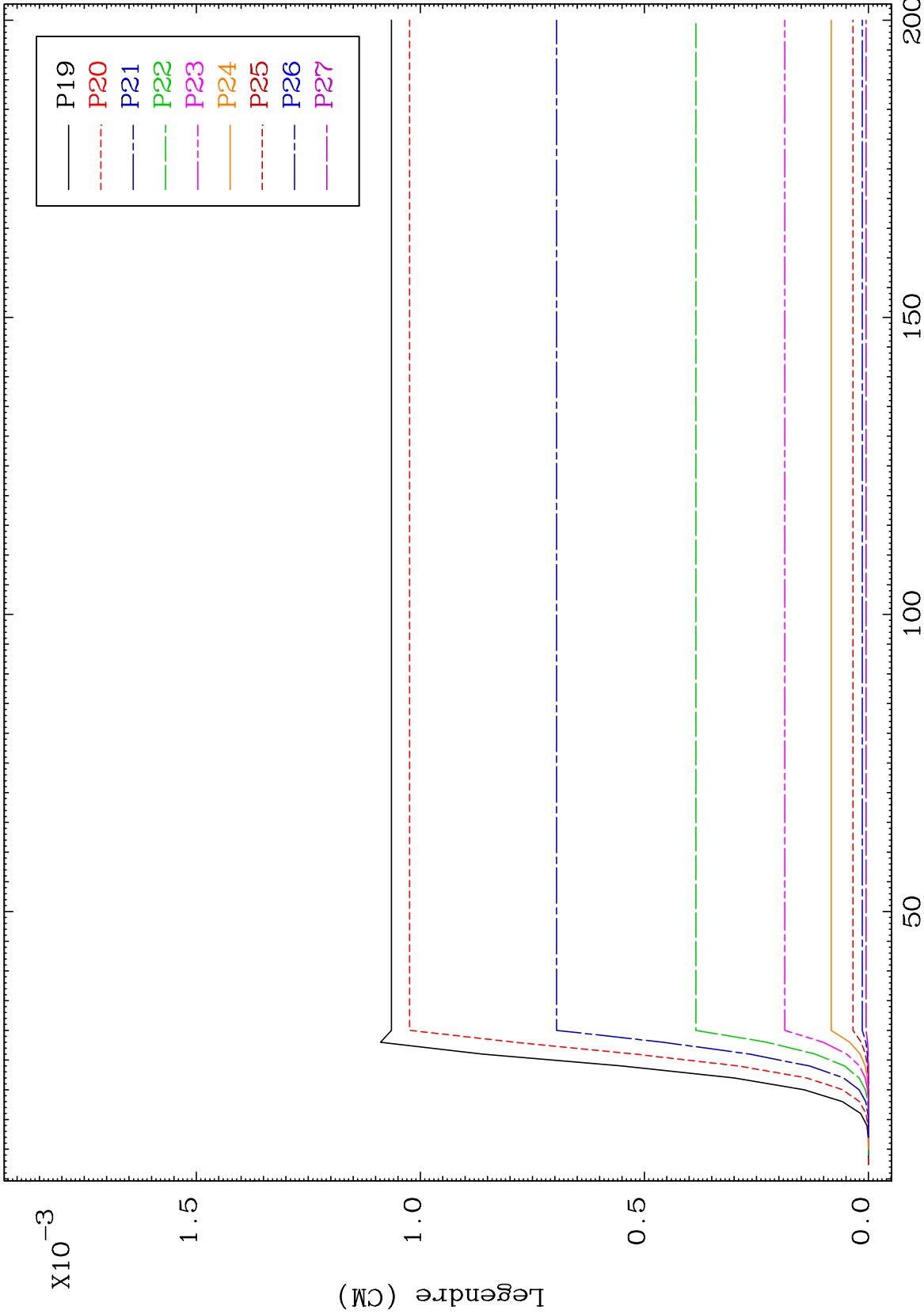
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



110

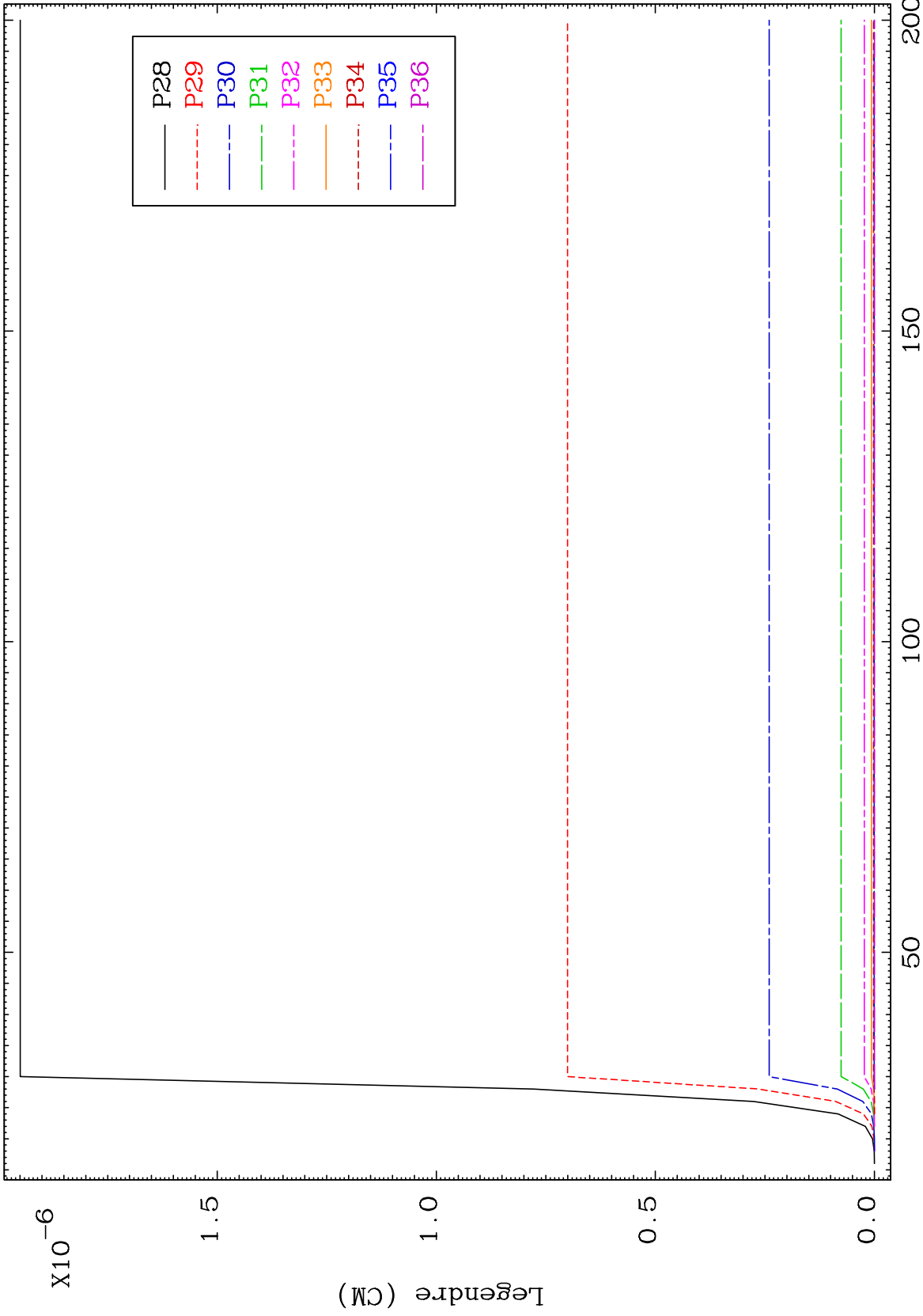
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



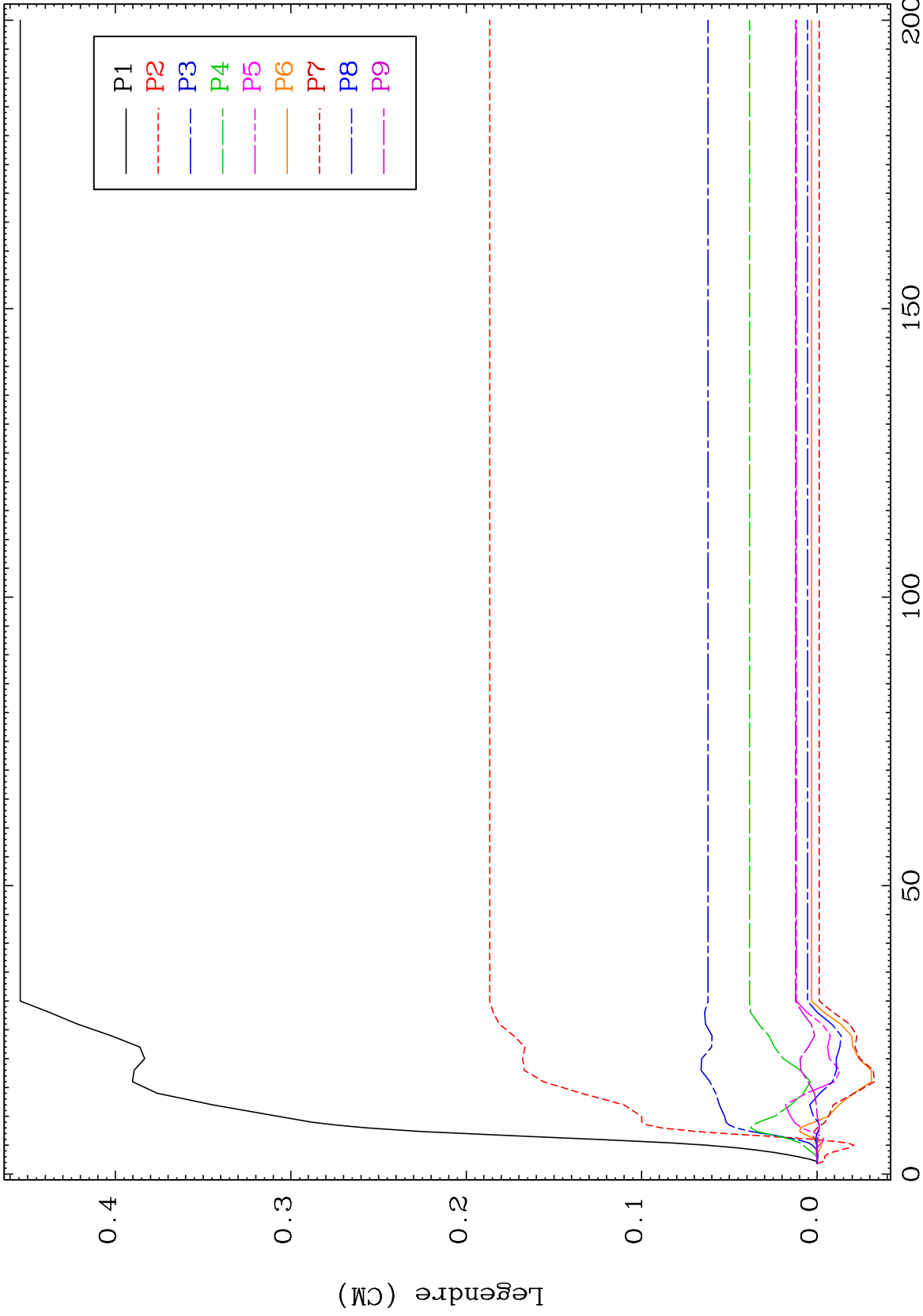
111

53-I -133

MAT 5343

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

53-I -133



112

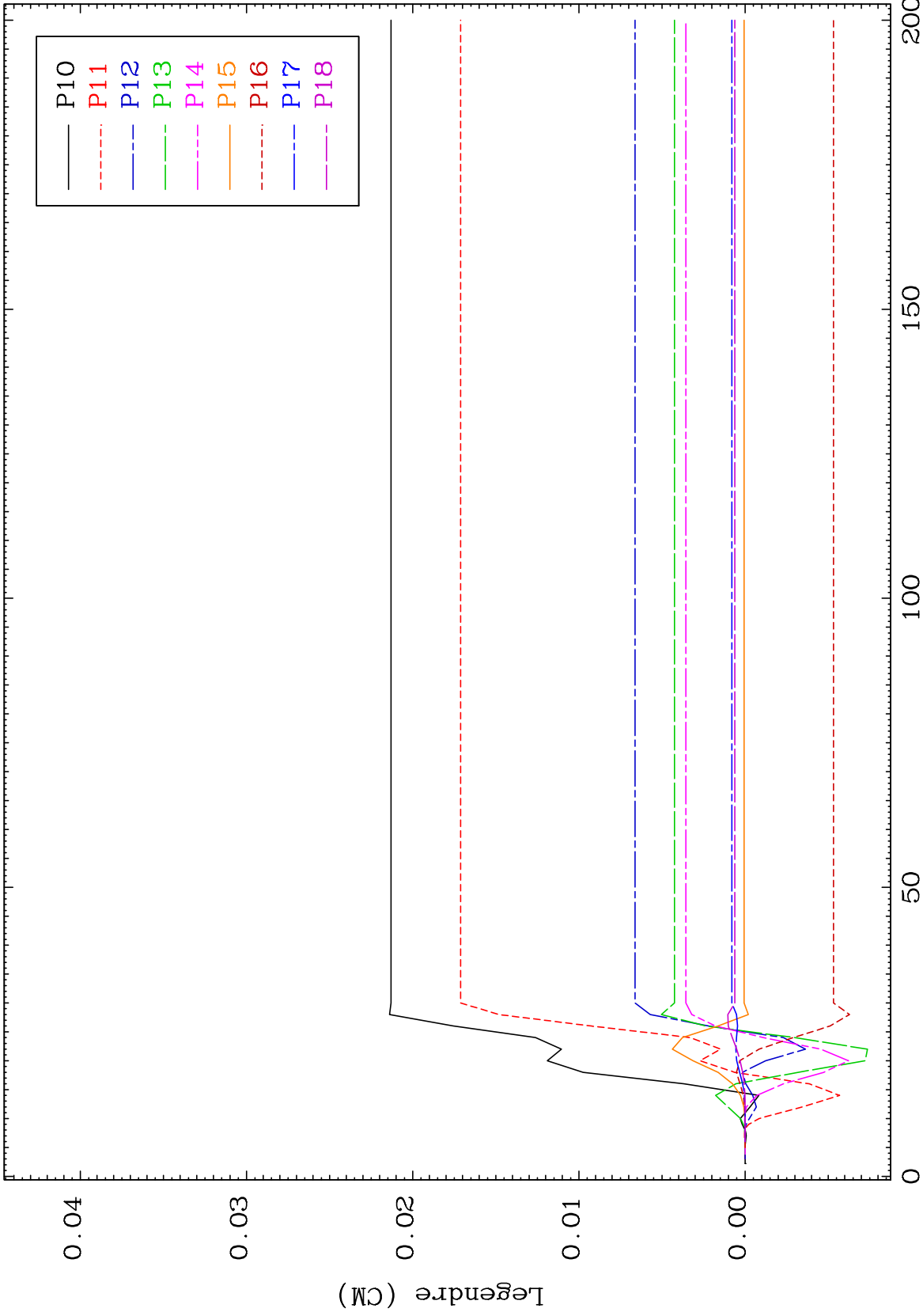
Incident Energy (MeV)

53-I -133

MAT 5343

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

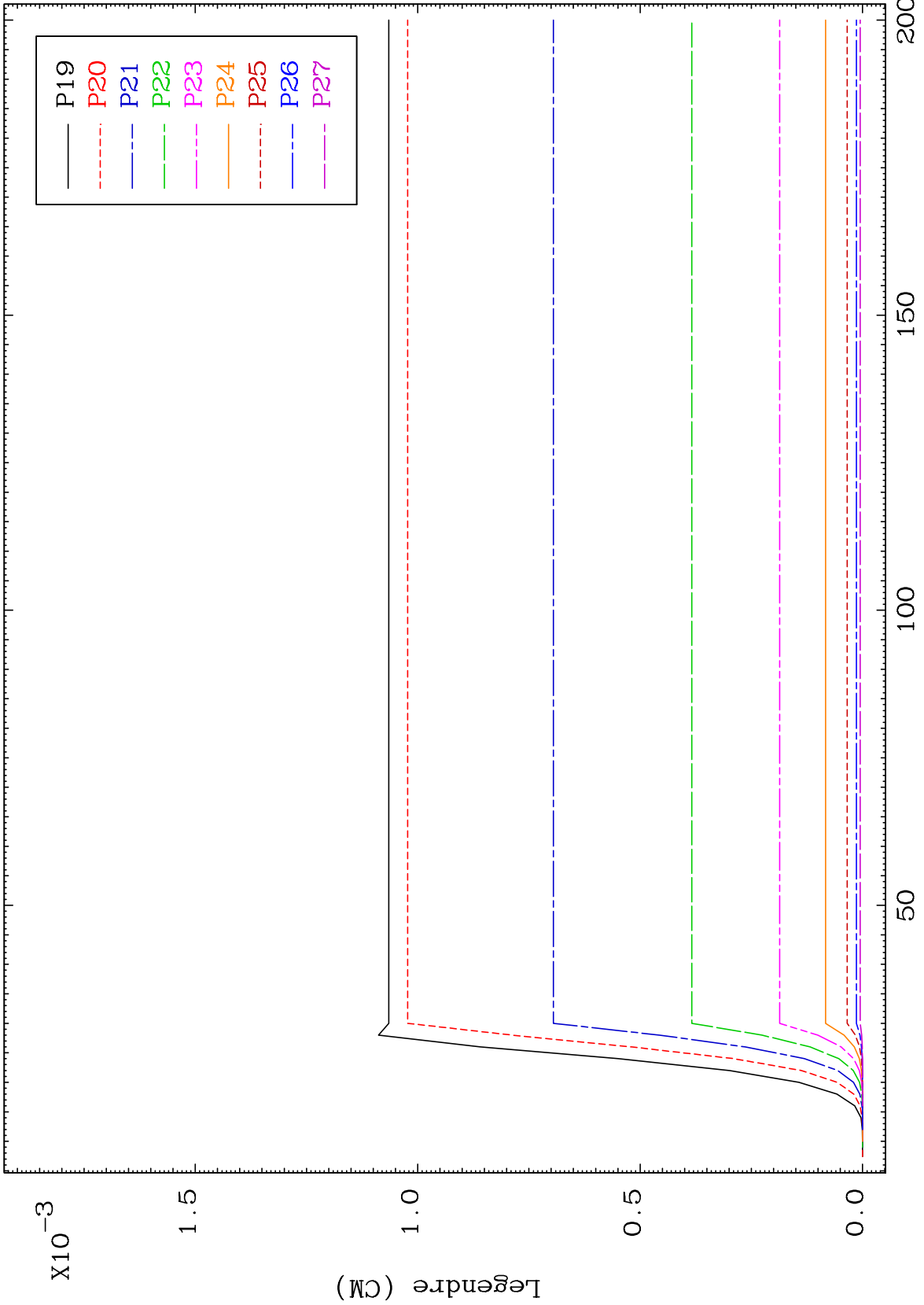
53-I -133



113

Incident Energy (MeV)

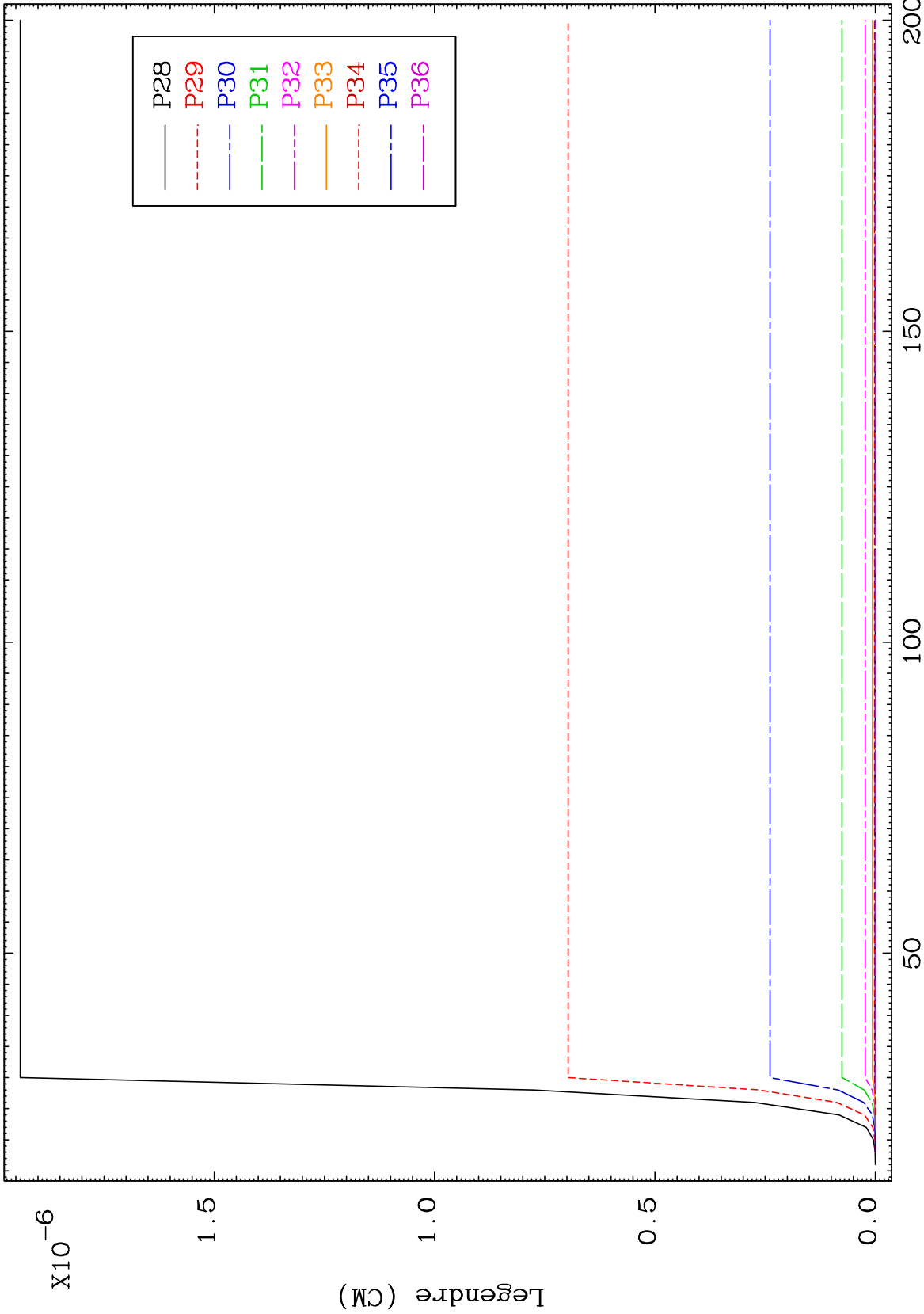
53-I -133



MAT 5343

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

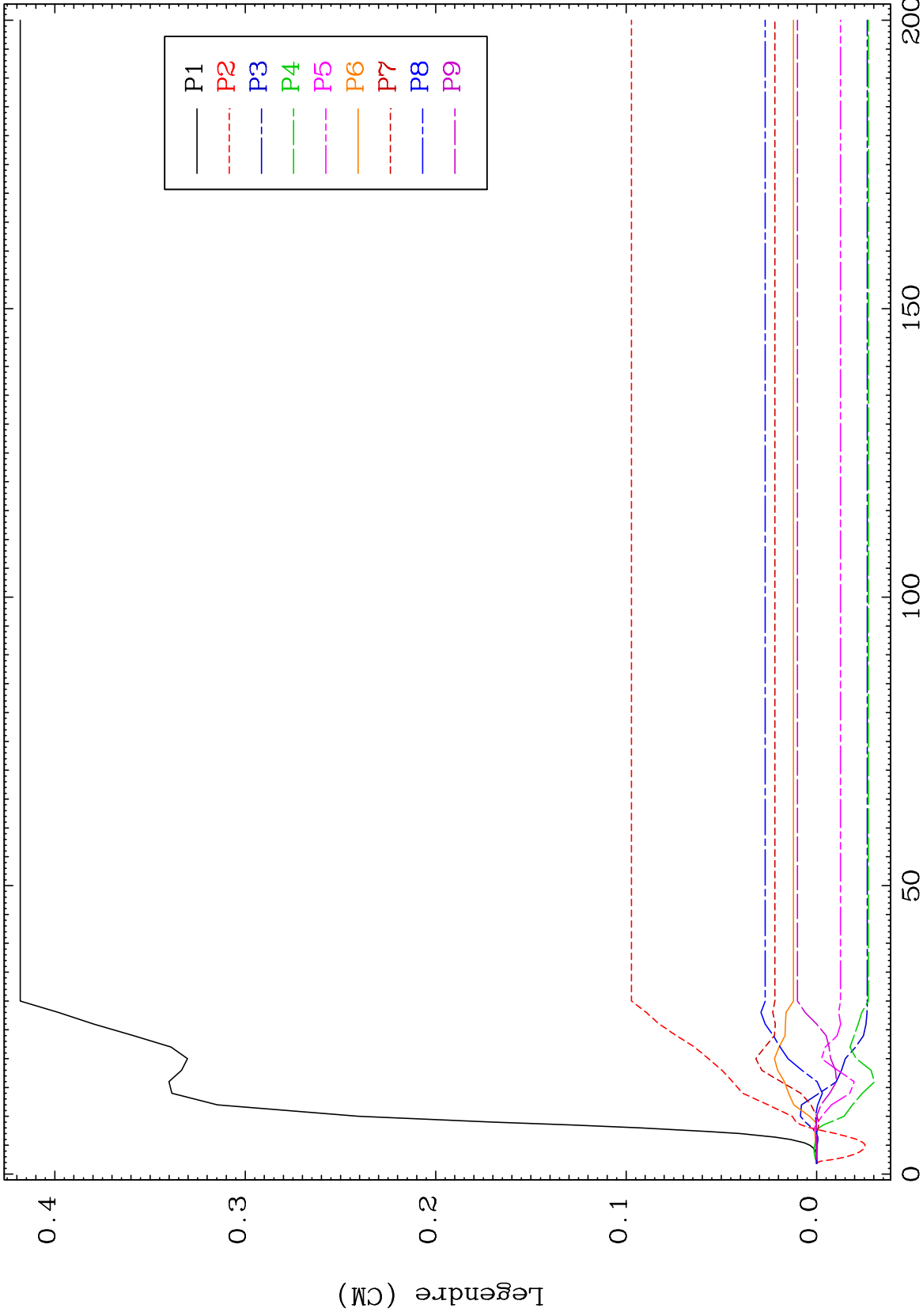
53-I -133



115

Incident Energy (MeV)

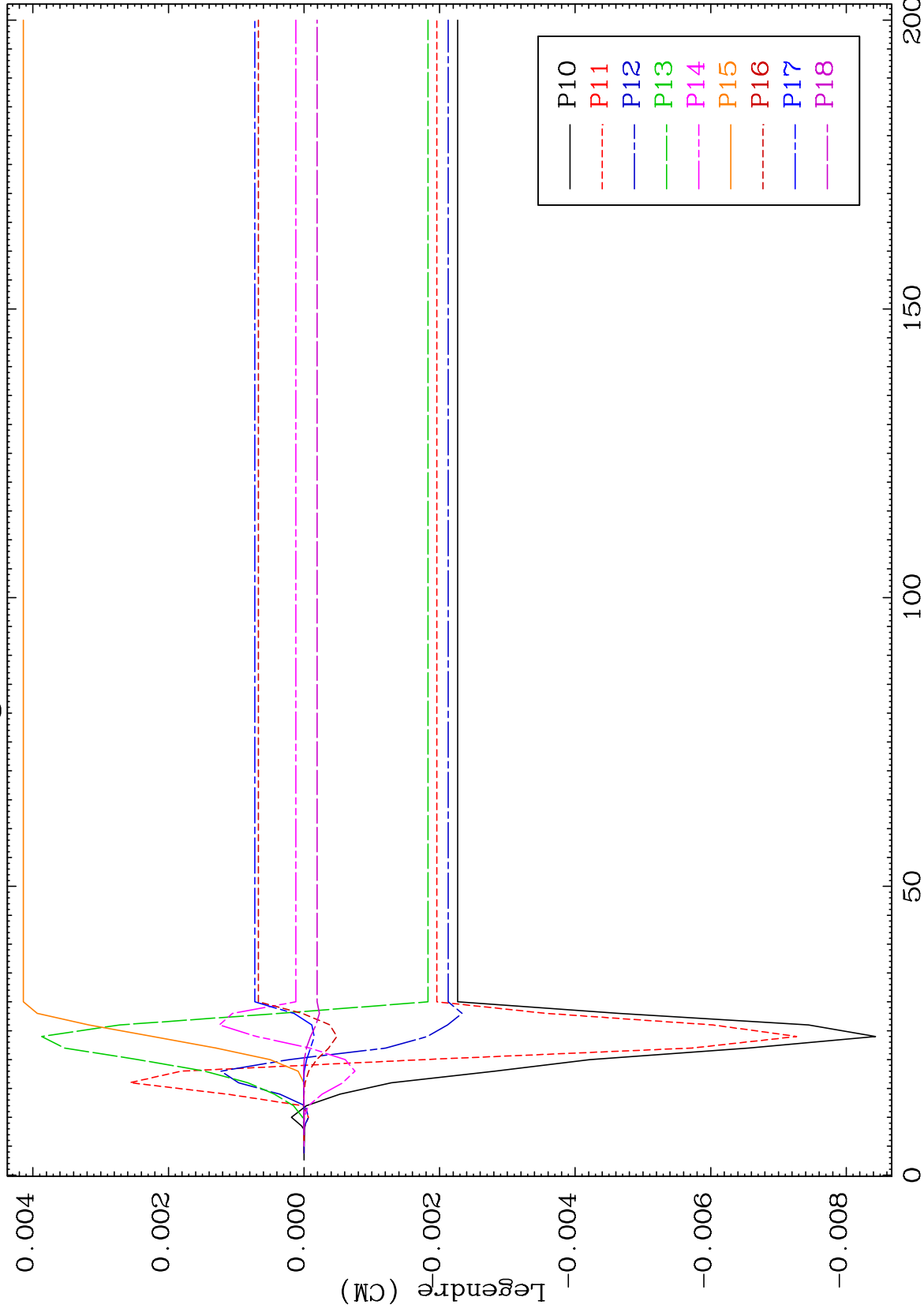
53-I -133



MAT 5343

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

53-I -133



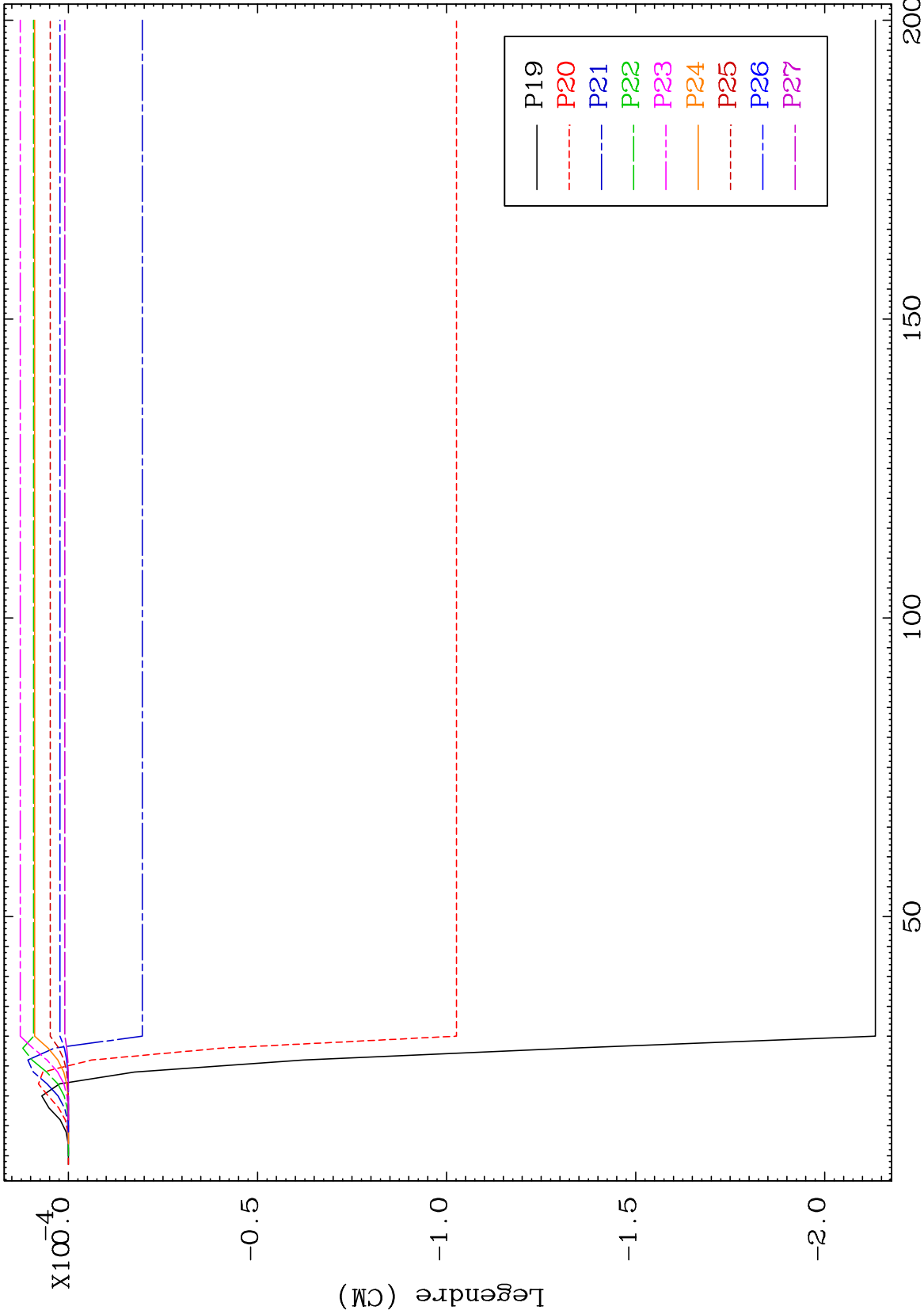
117

53-I -133

MAT 5343

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

53-I -133



118

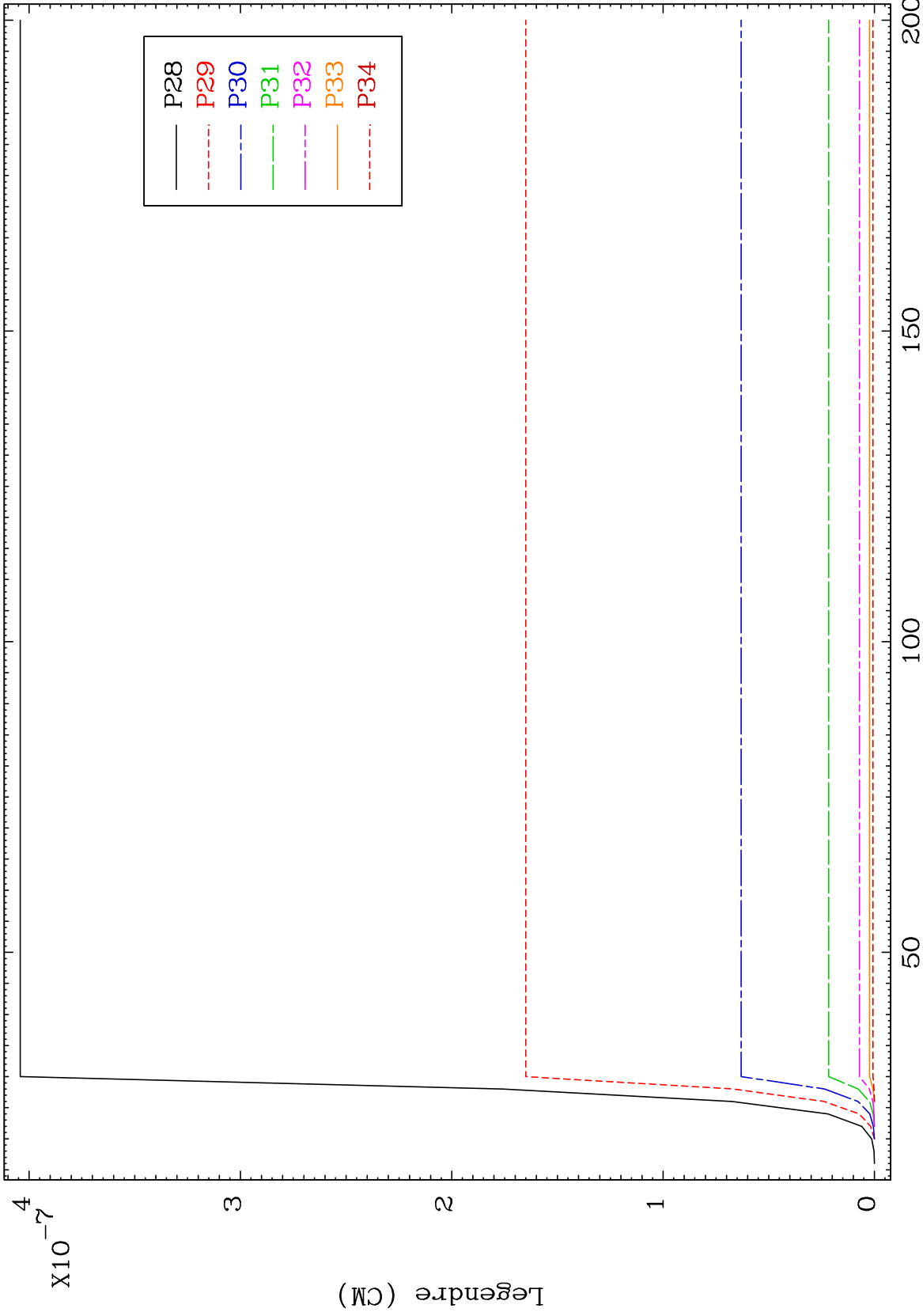
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



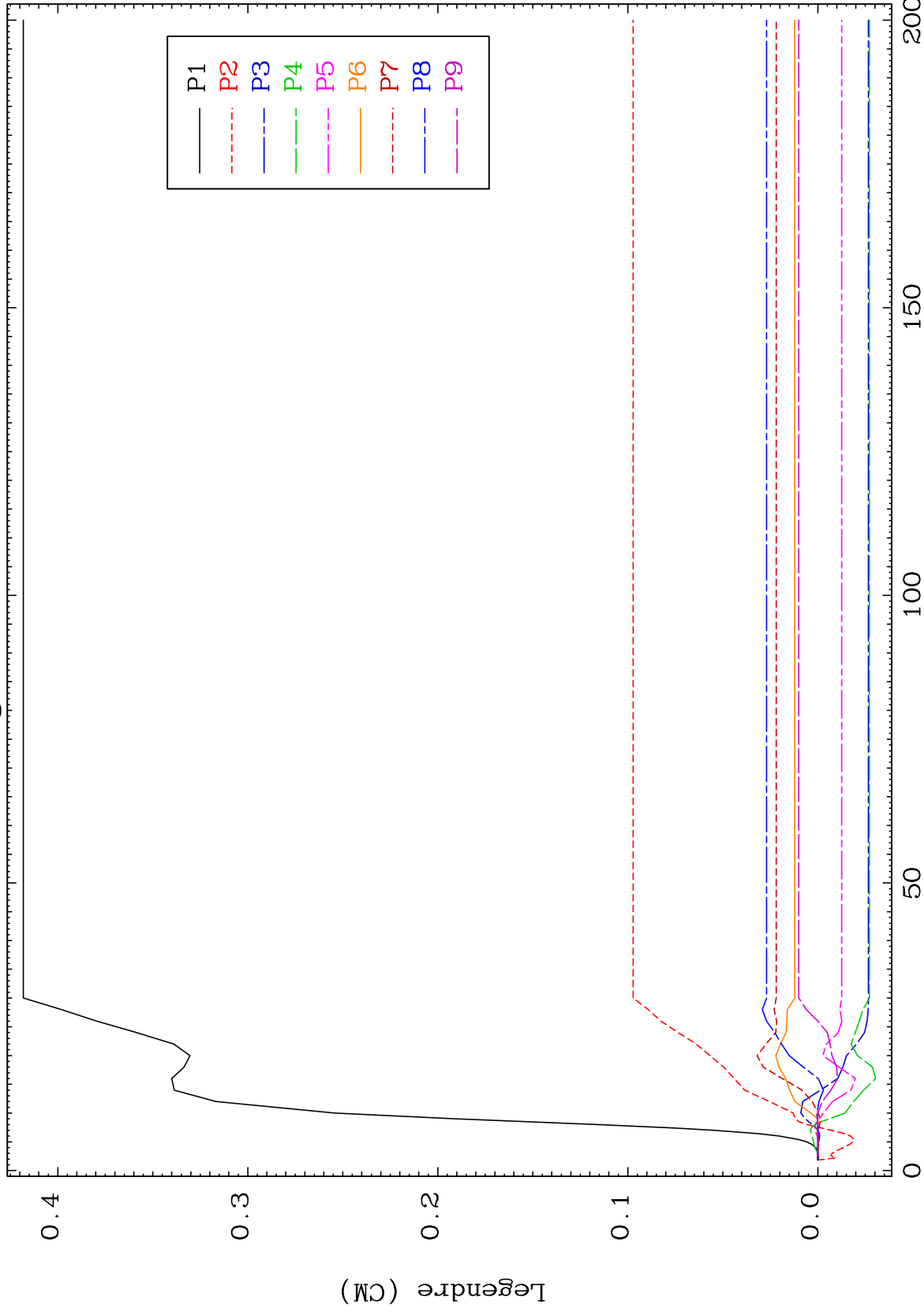
119

53-I -133

MAT 5343

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

53-I -133



53-I -133

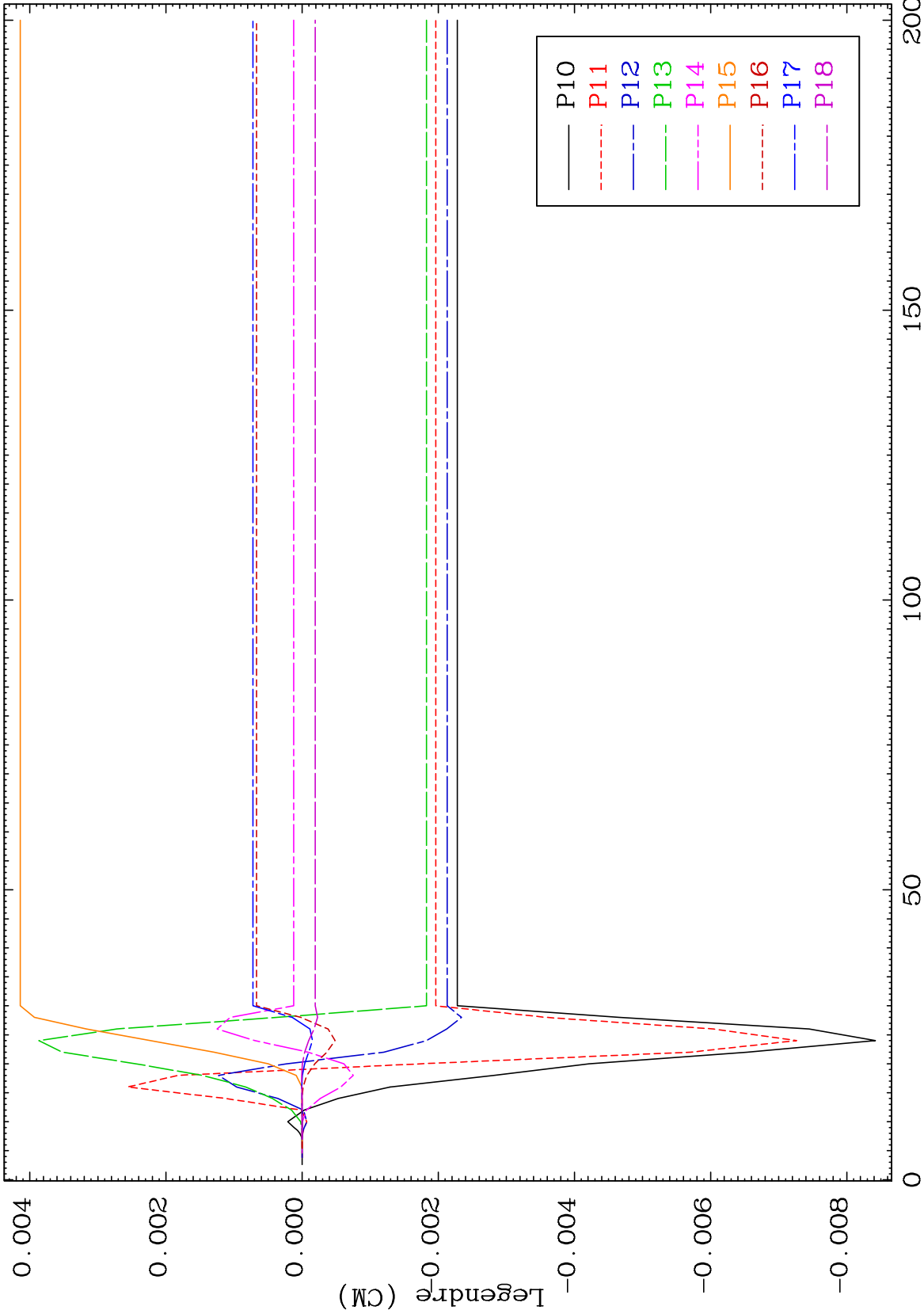
Incident Energy (MeV)

120

MAT 5343

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

53-I -133



121

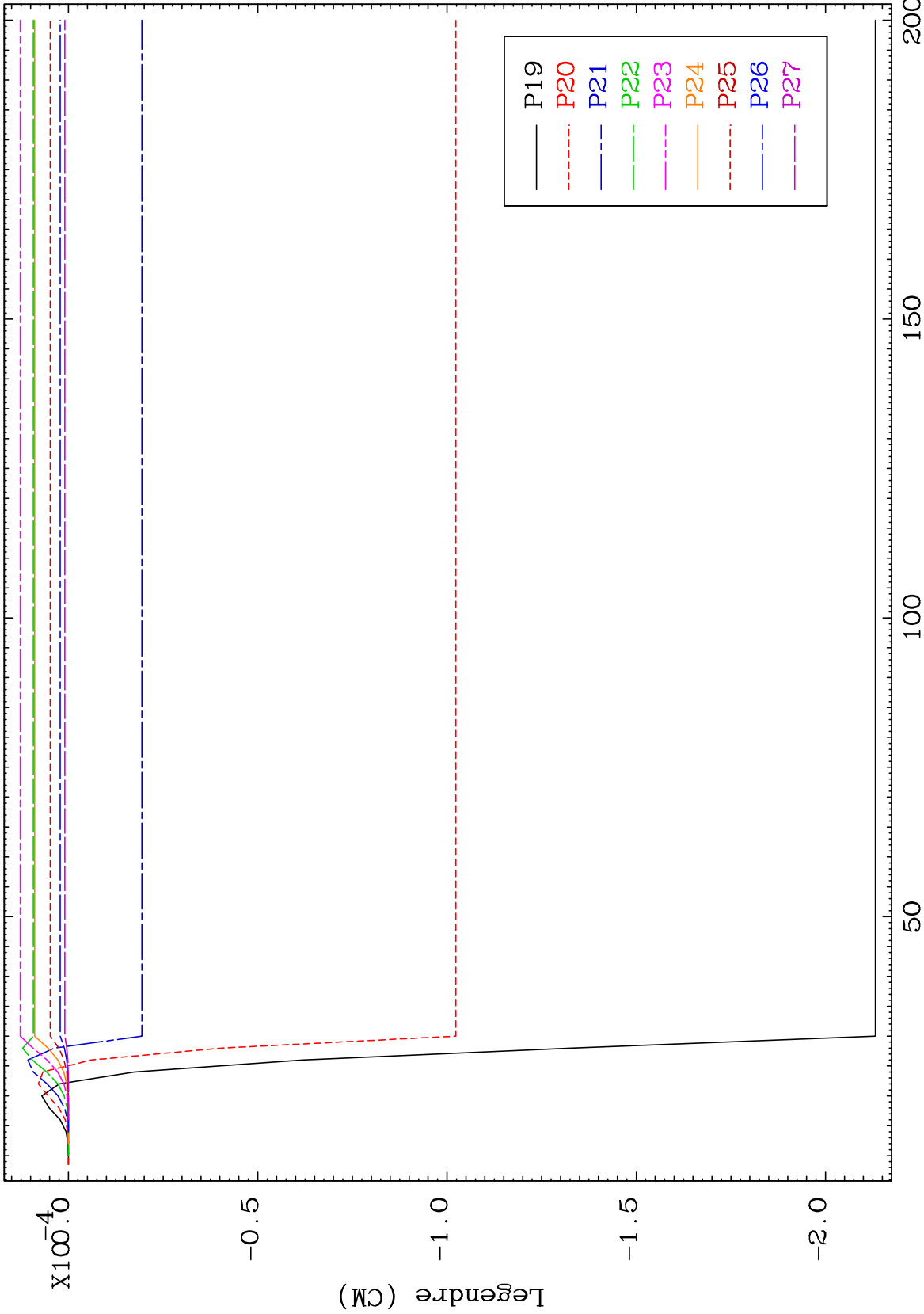
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



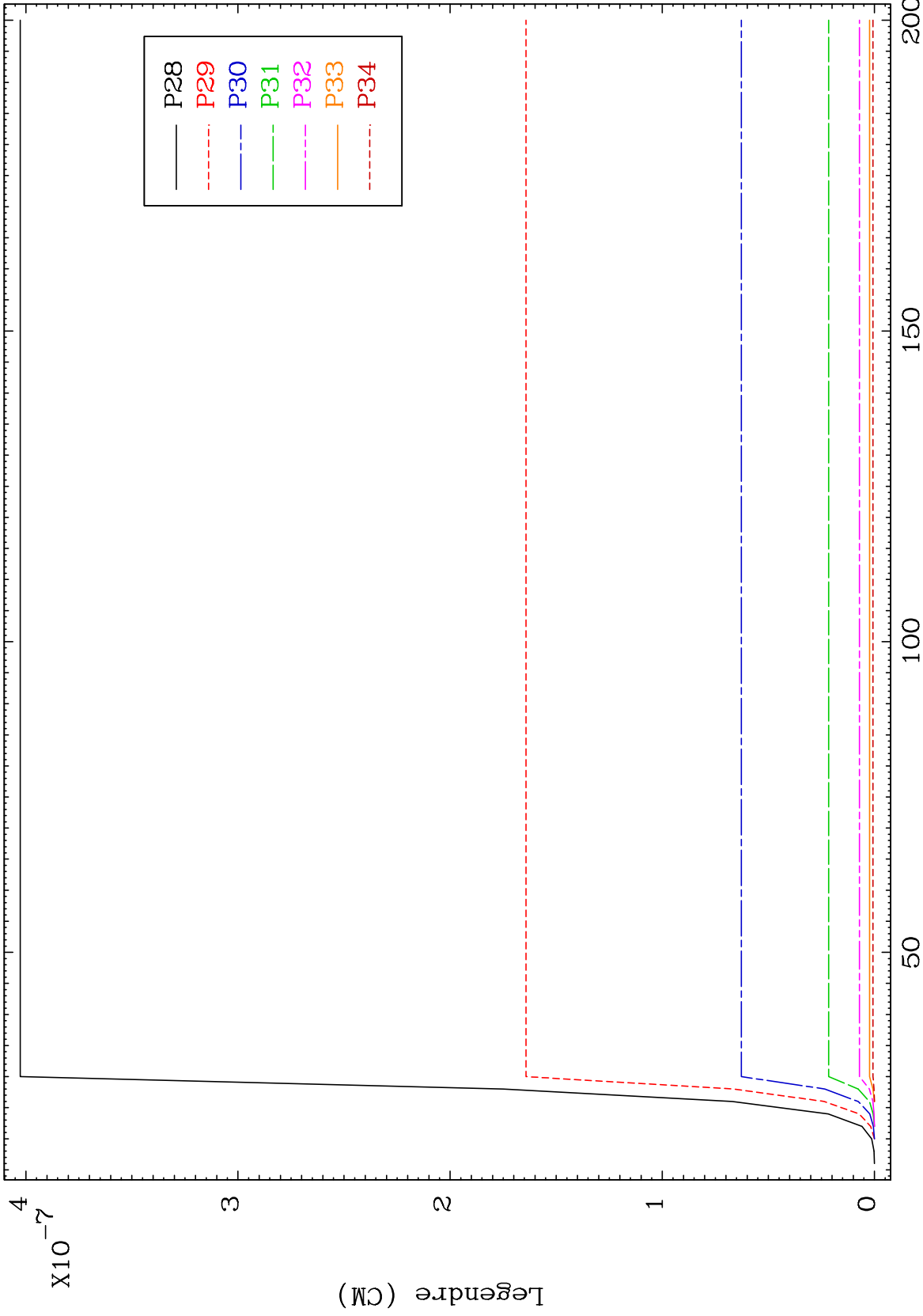
122

53-I -133

MAT 5343

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

53-I -133



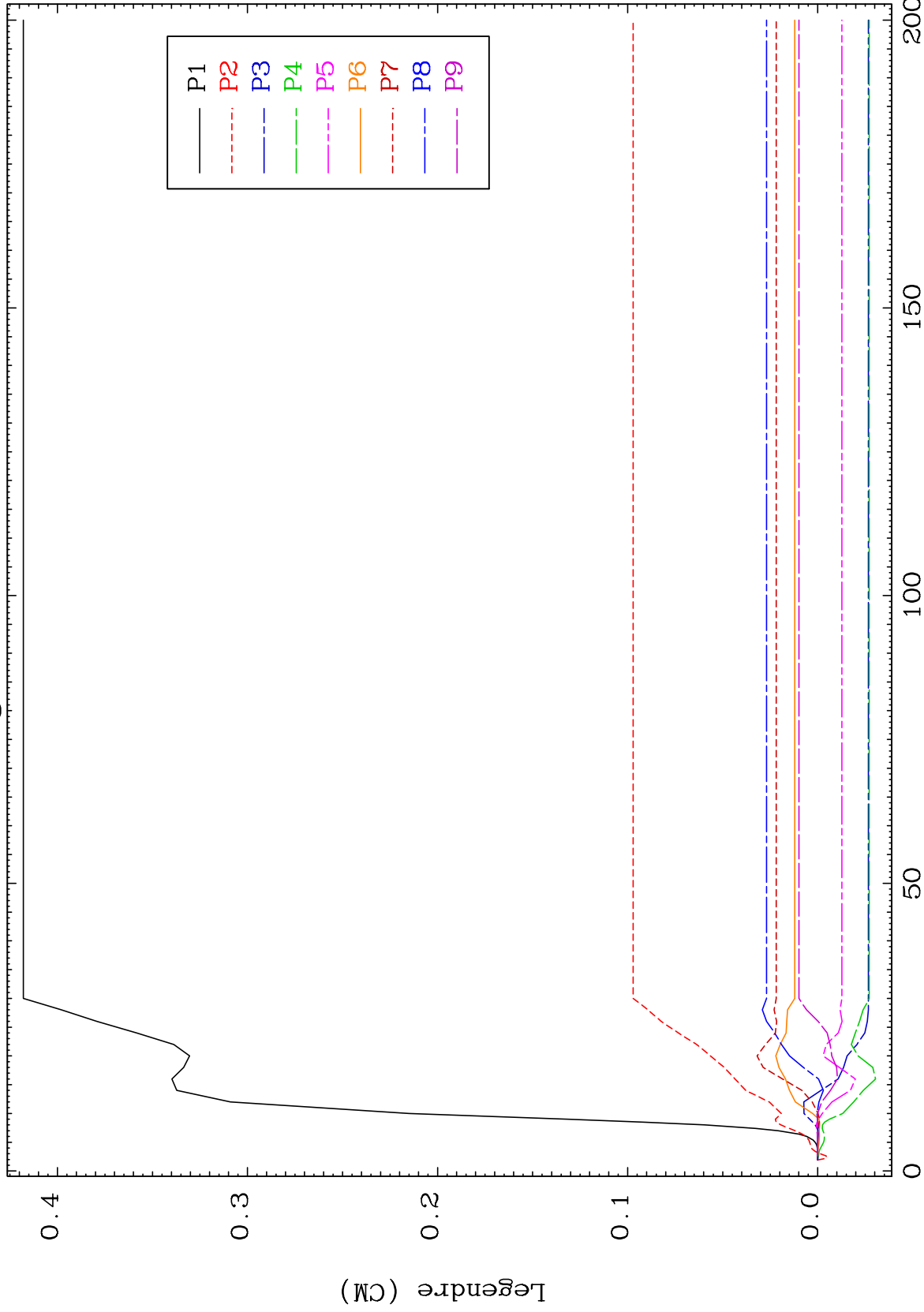
123

53-I -133

MAT 5343

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

53-I -133



124

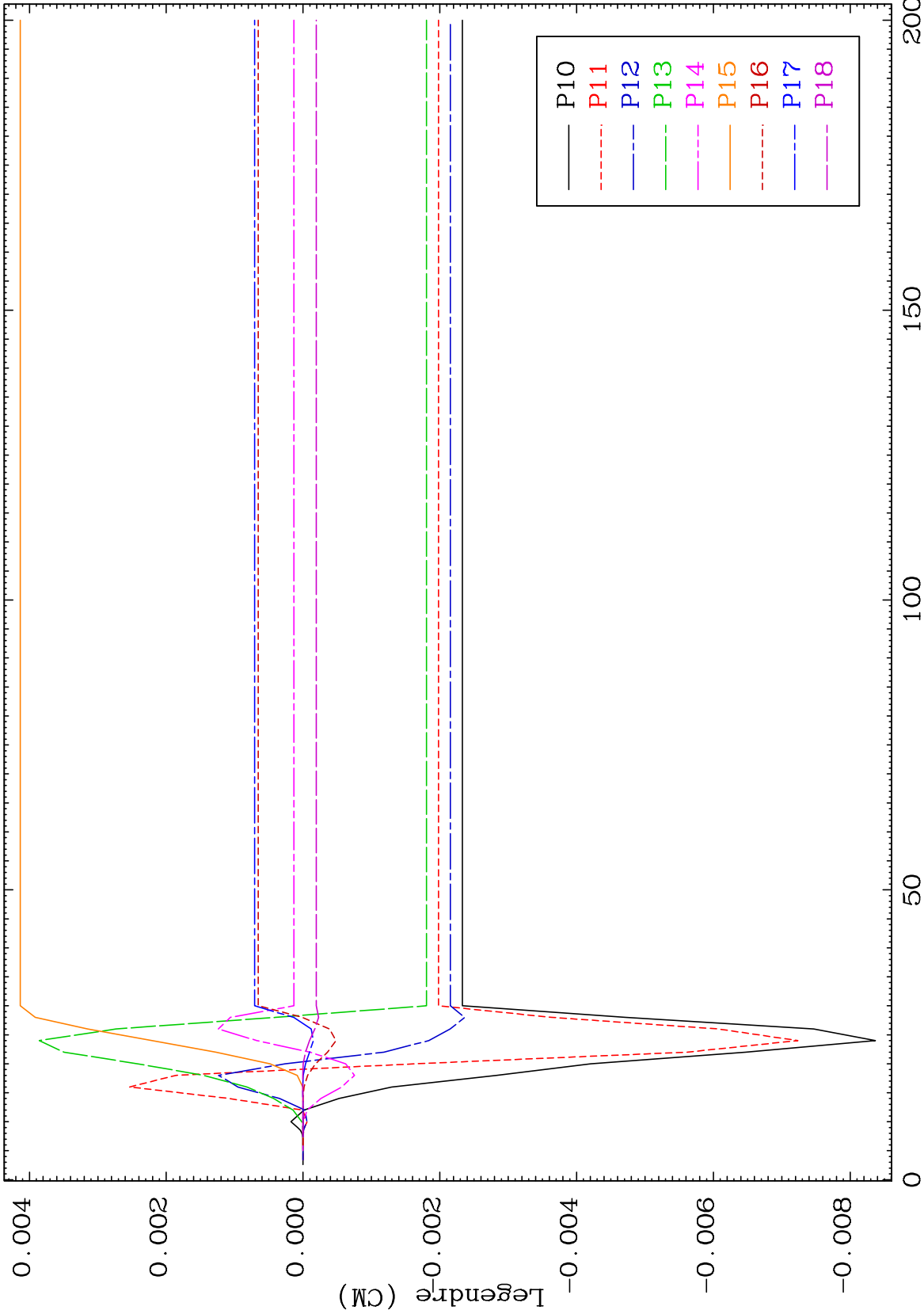
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



125

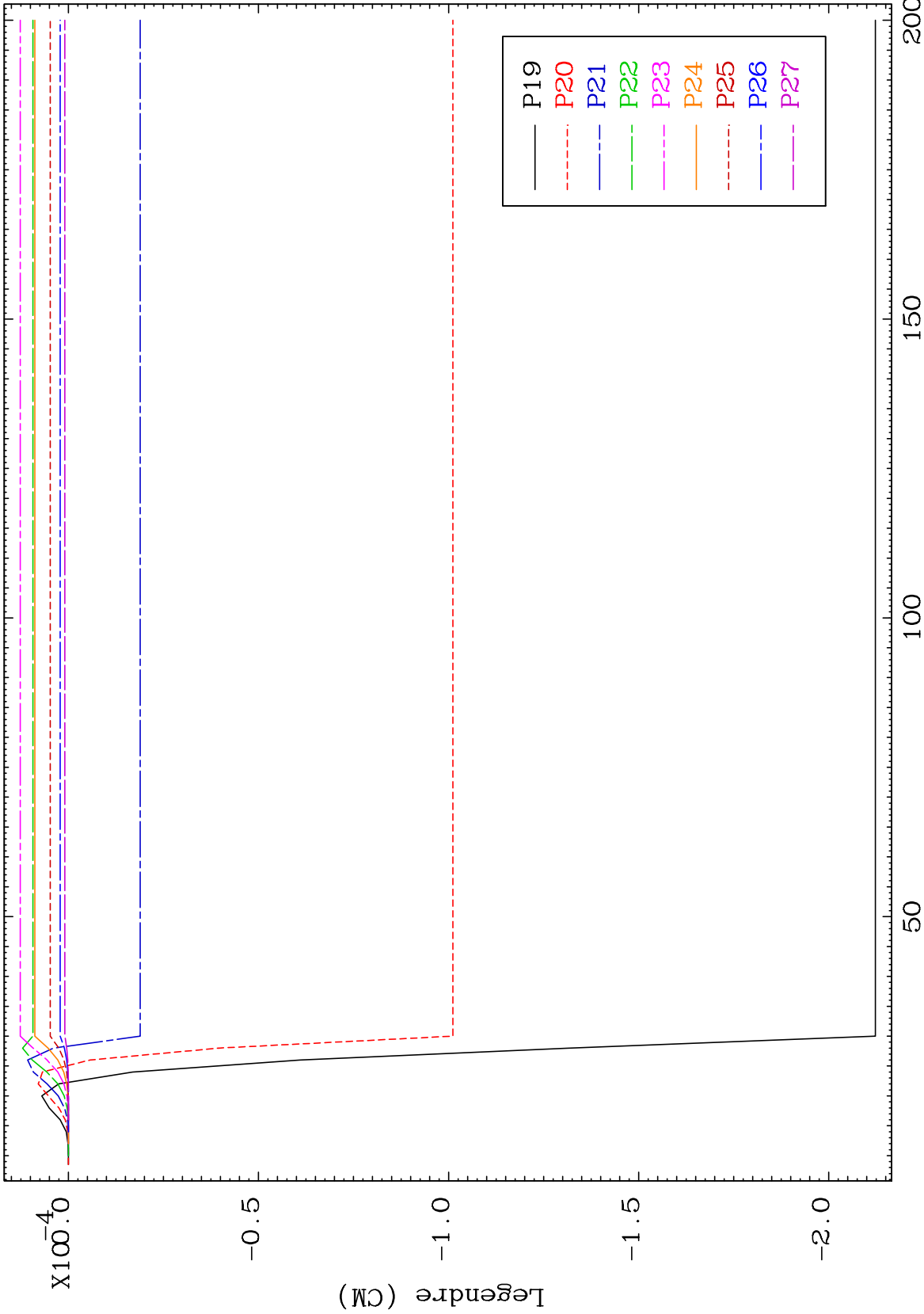
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



126

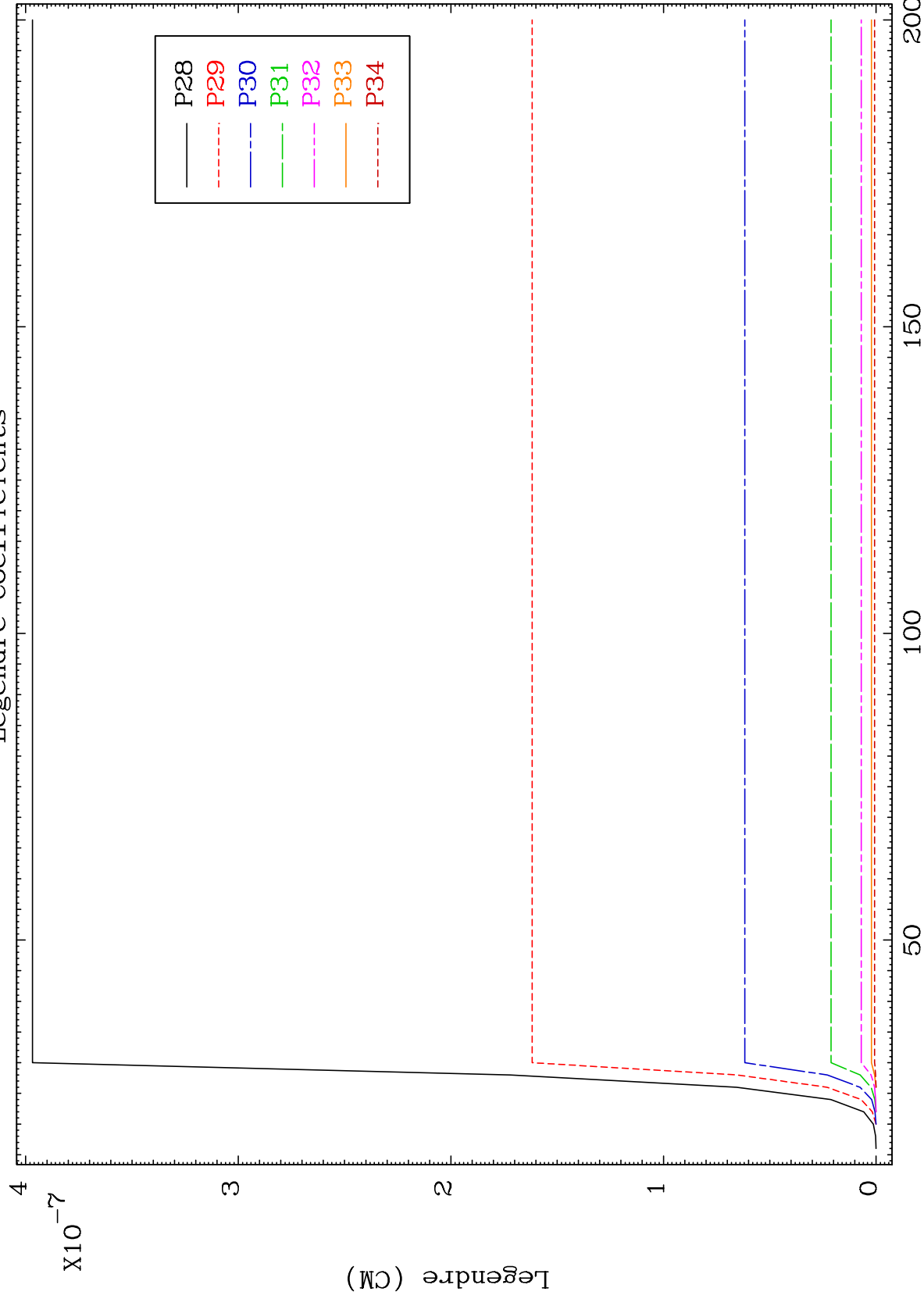
Incident Energy (MeV)

53-I -133

MAT 5343

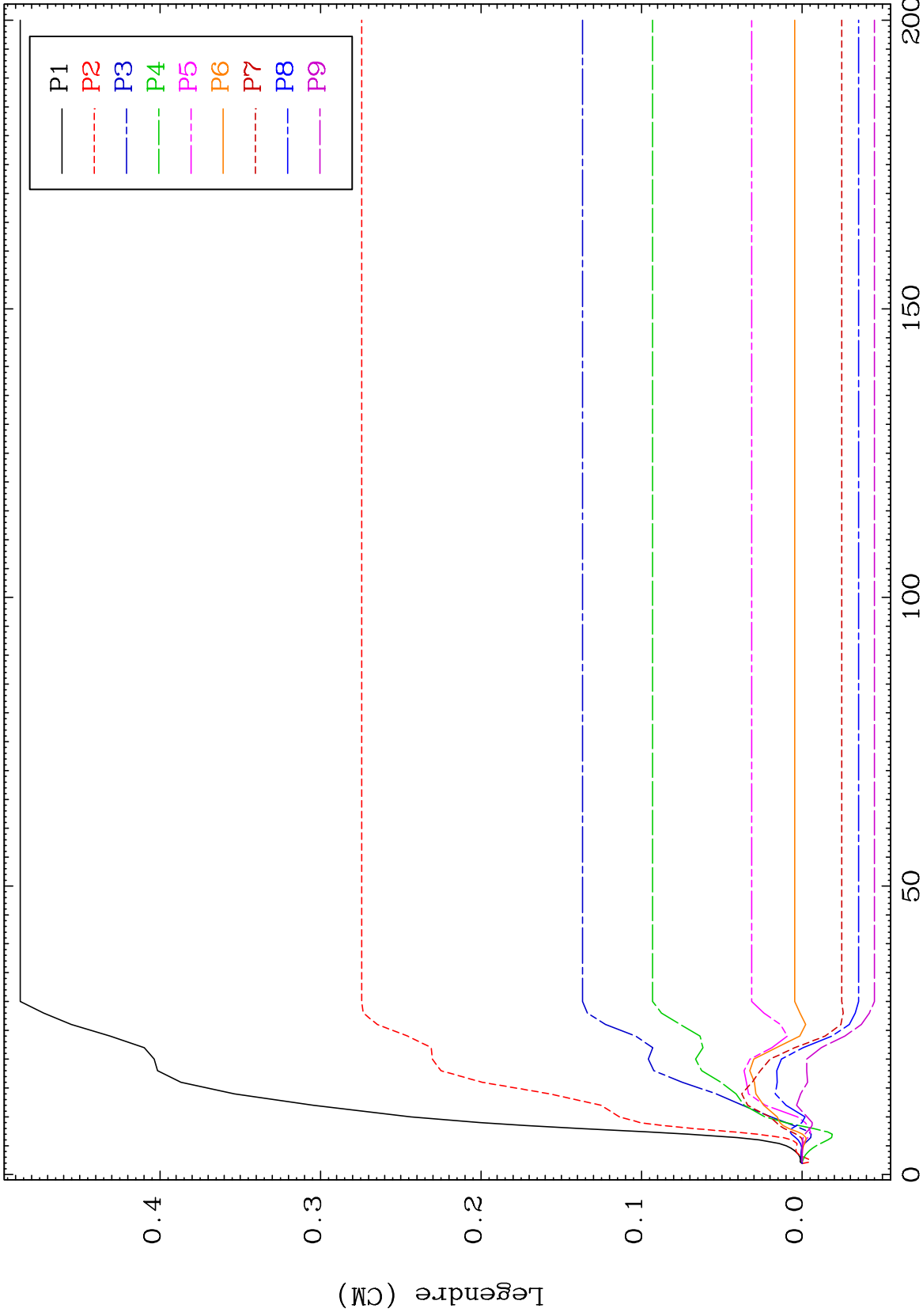
MT= 77 (n,n') Level
Legendre Coefficients

53-I -133



127

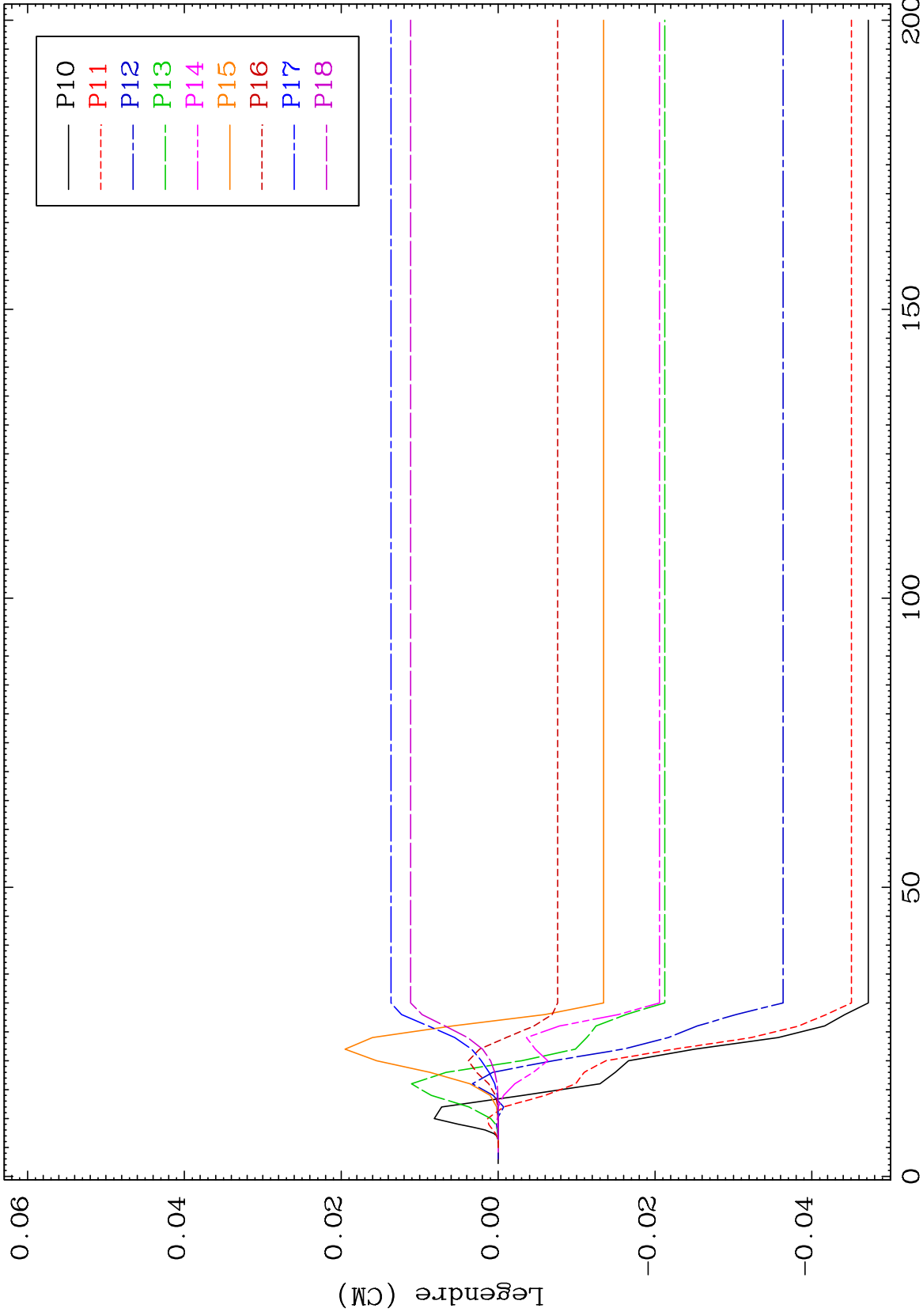
53-I -133



MAT 5343

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

53-I -133



129

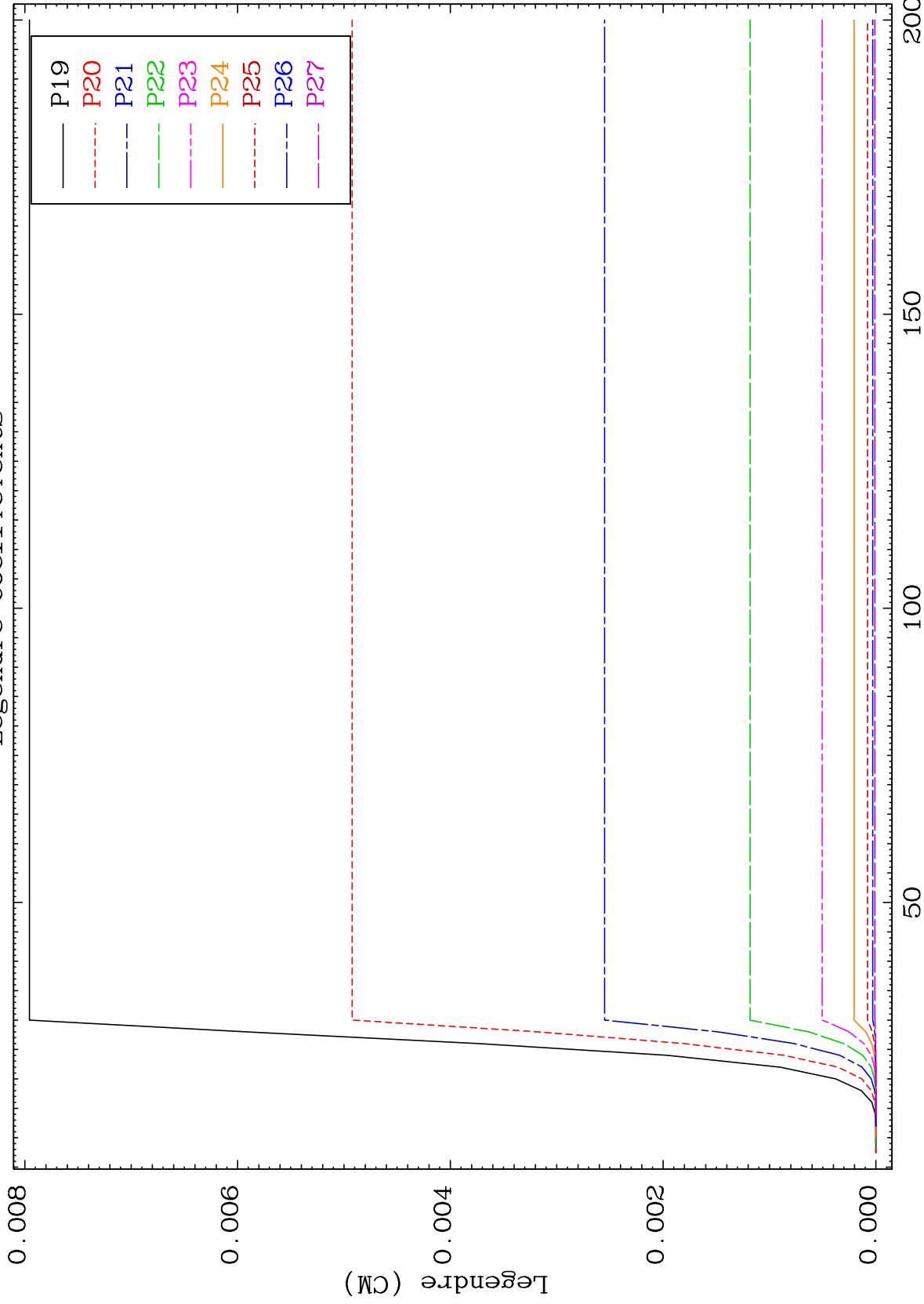
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



130

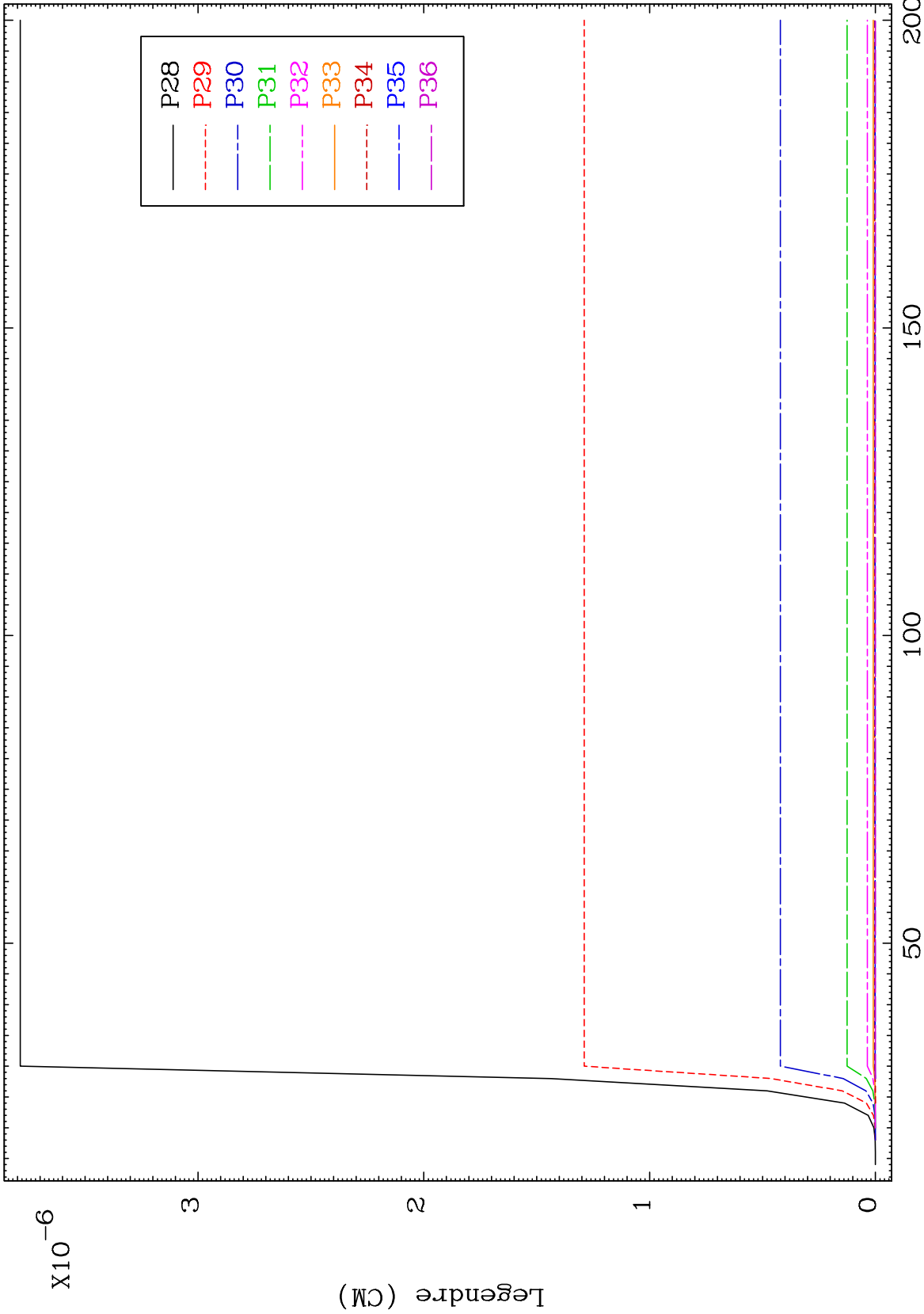
Incident Energy (MeV)

53-I -133

MAT 5343

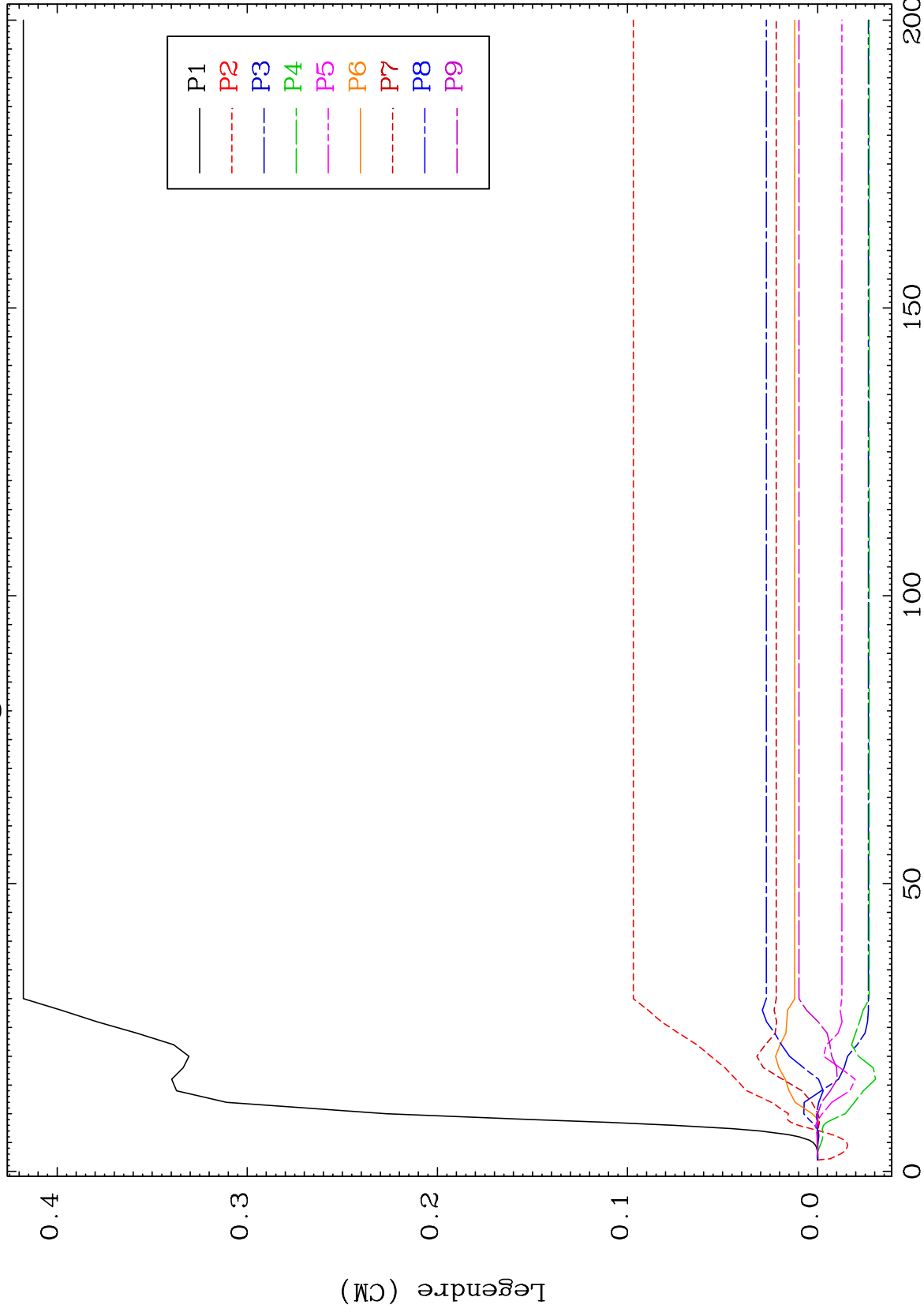
MT= 78 (n,n') Level
Legendre Coefficients

53-I -133



131

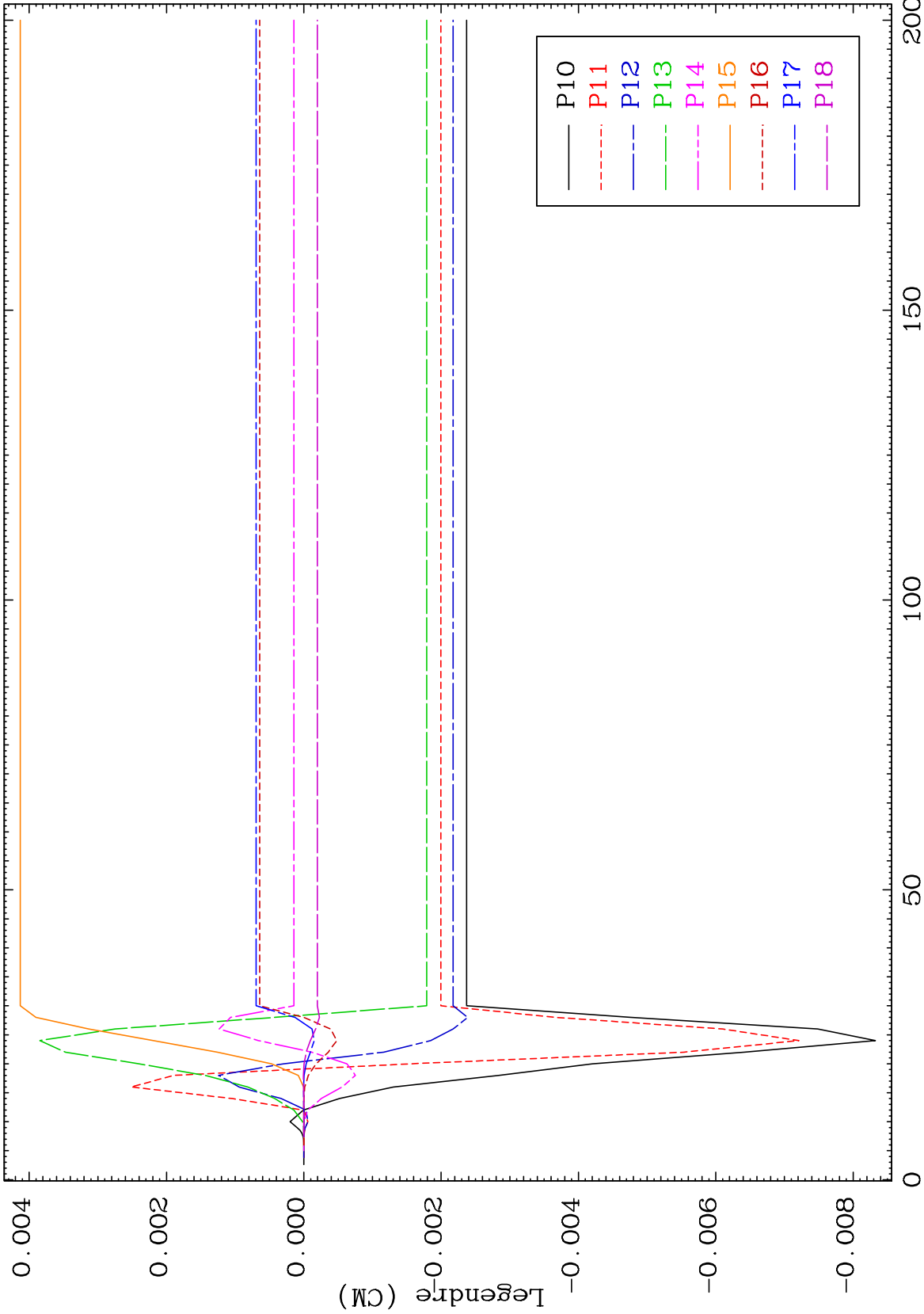
53-I -133



MAT 5343

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

53-I -133



133

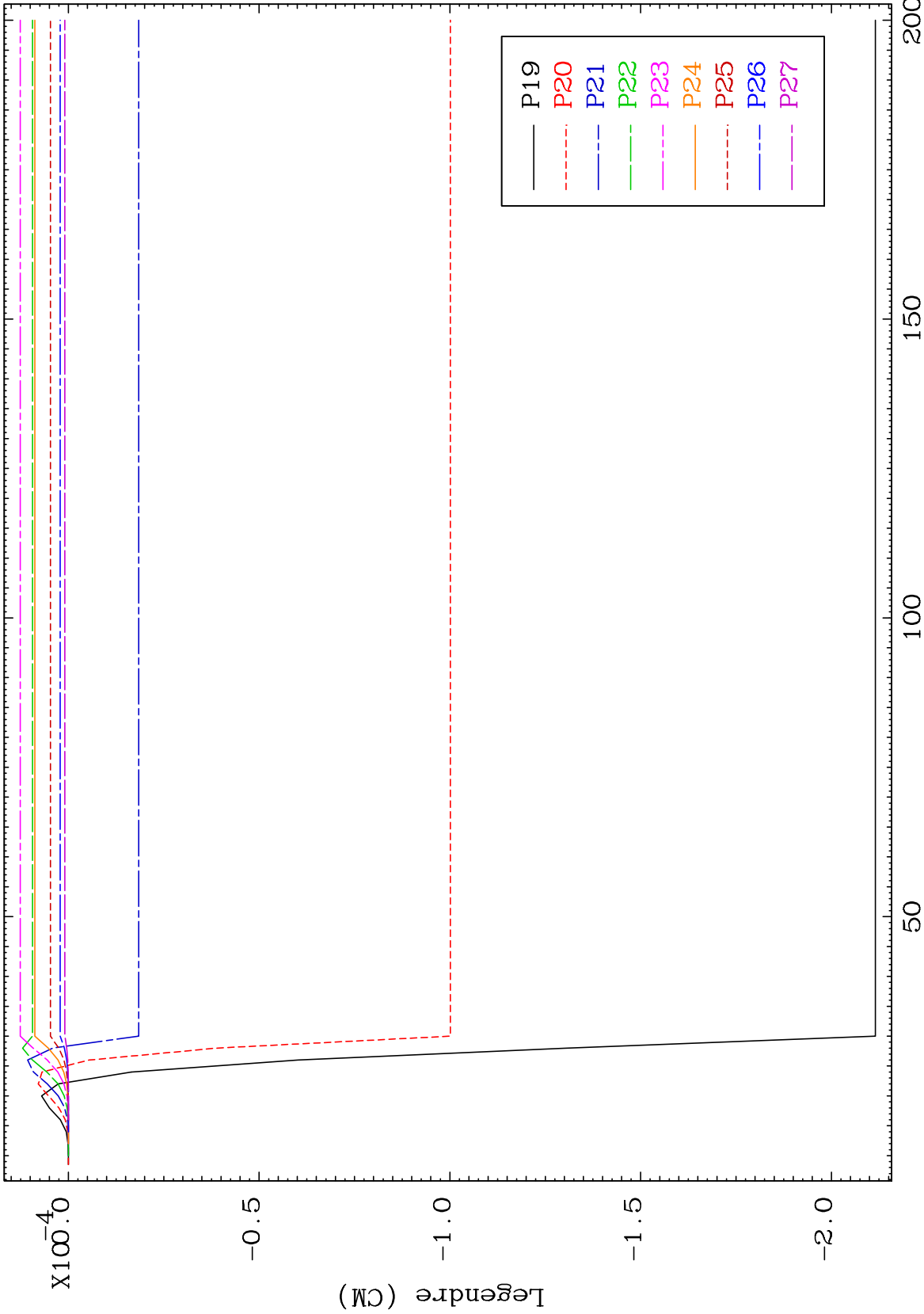
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



134

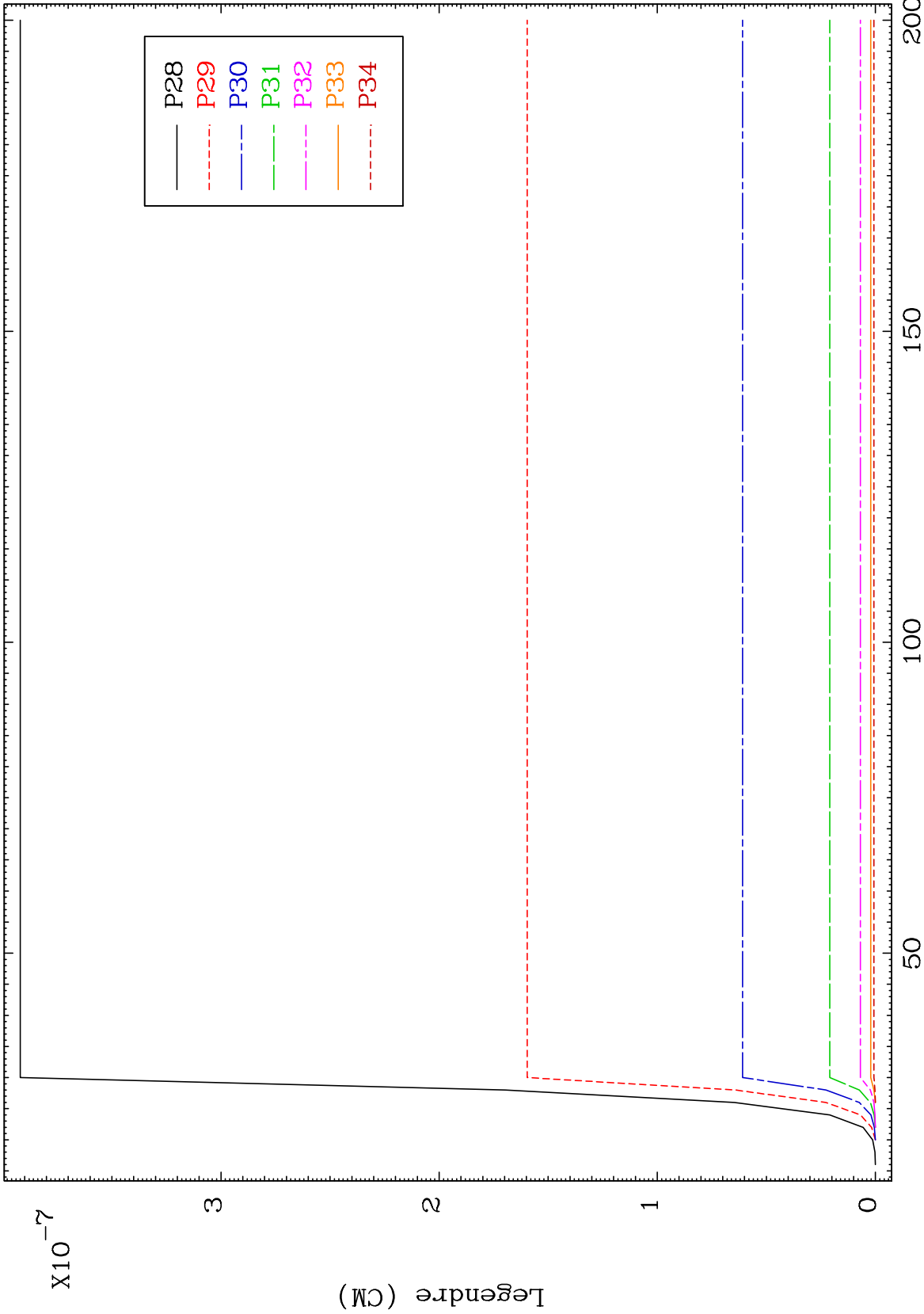
Incident Energy (MeV)

53-I -133

MAT 5343

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

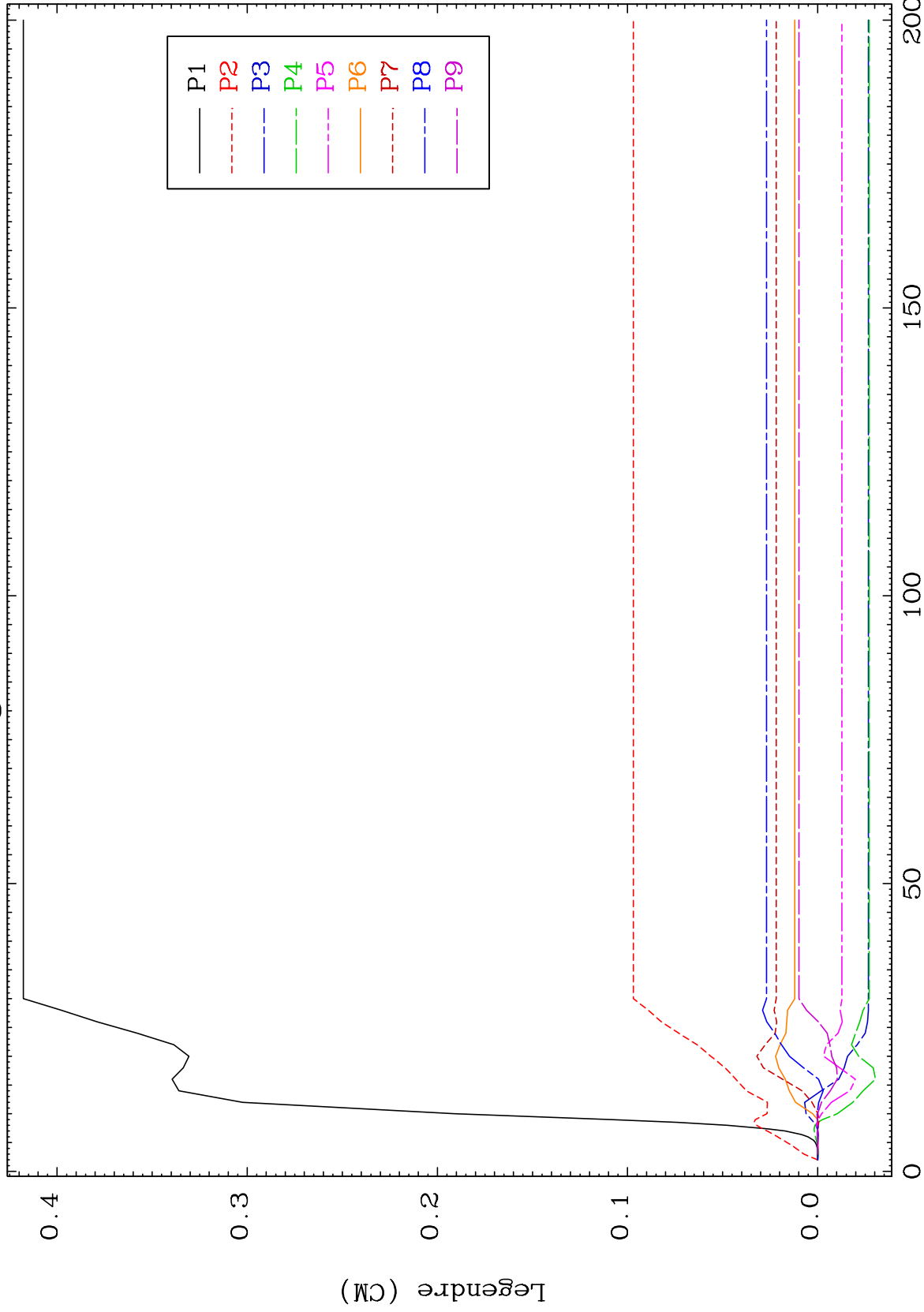
53-I -133



135

Incident Energy (MeV)

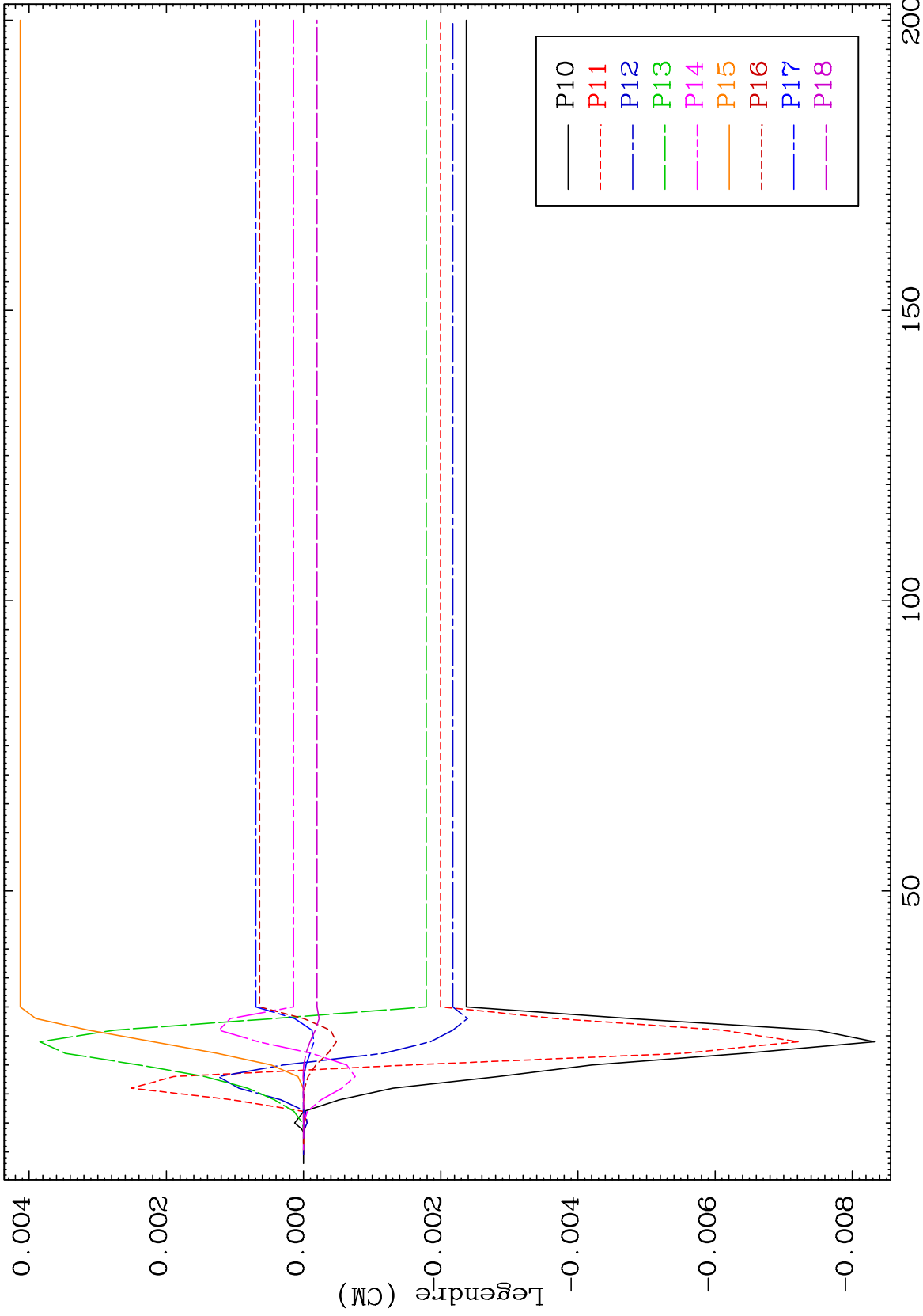
53-I -133



MAT 5343

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

53-I -133



137

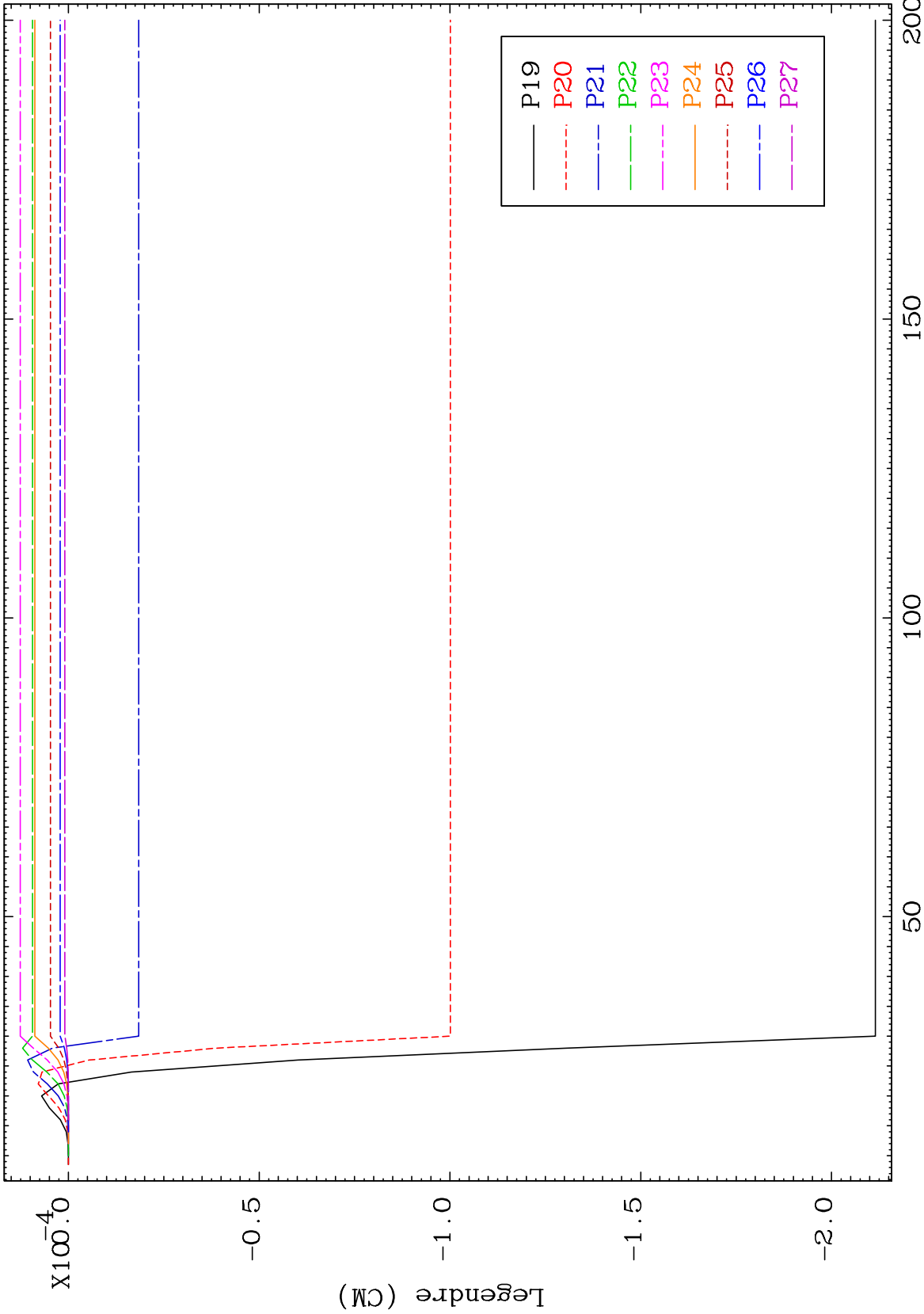
Incident Energy (MeV)

53-I -133

MAT 5343

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

53-I -133



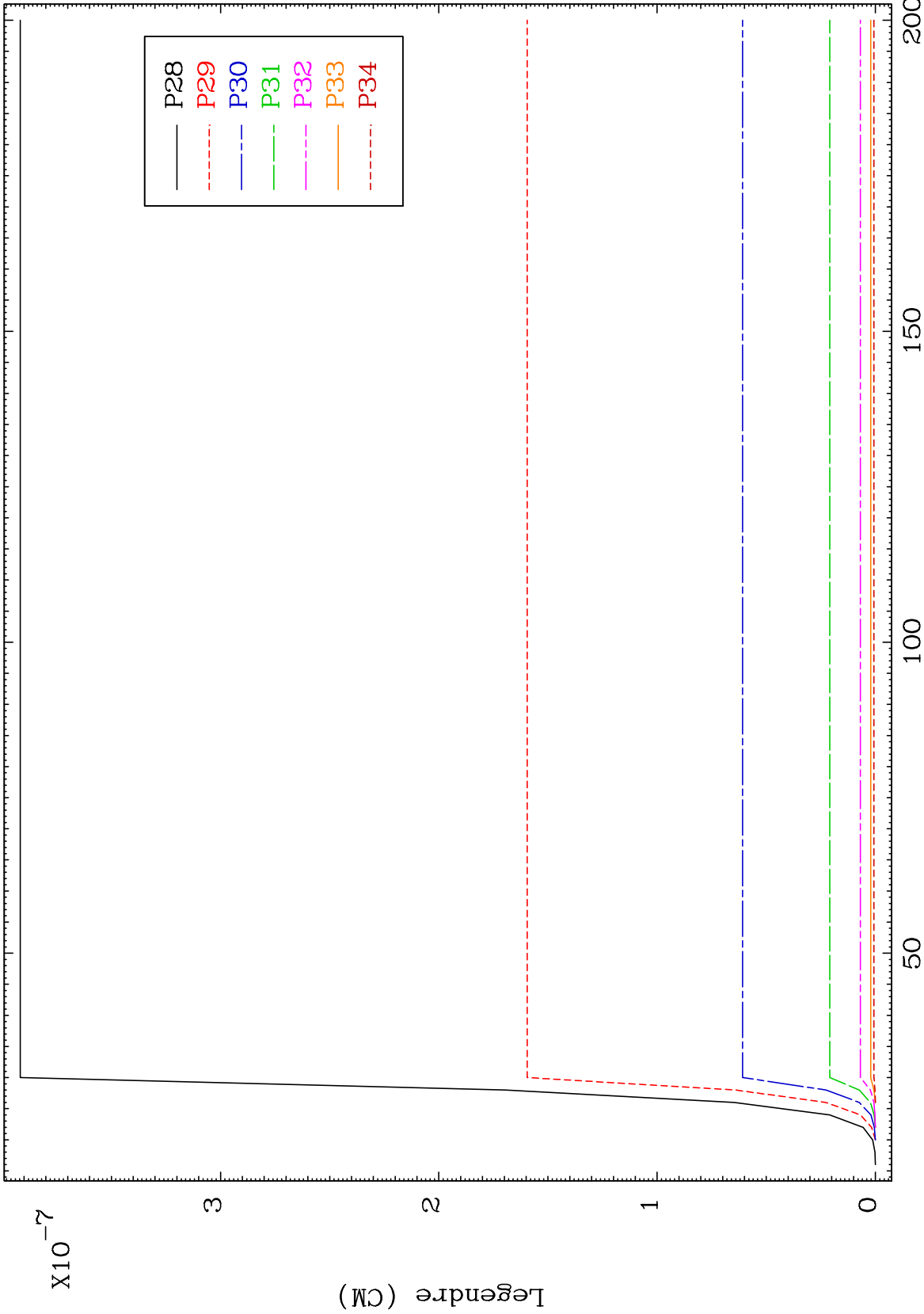
138

53-I -133

MAT 5343

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

53-I -133



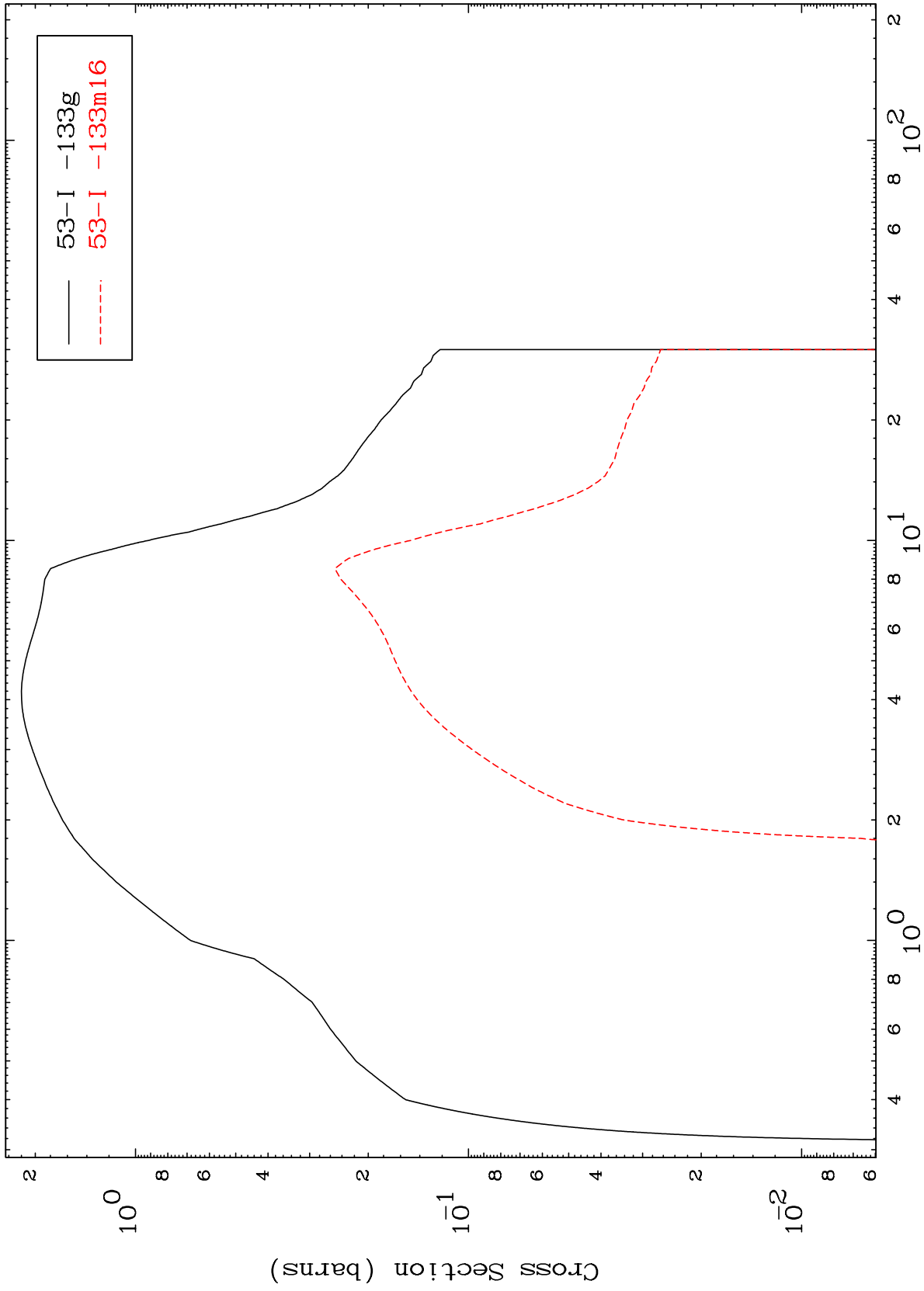
139

53-I -133

MAT 5343

53-I -133

Inelastic Radionuclide Production Cross Section



140

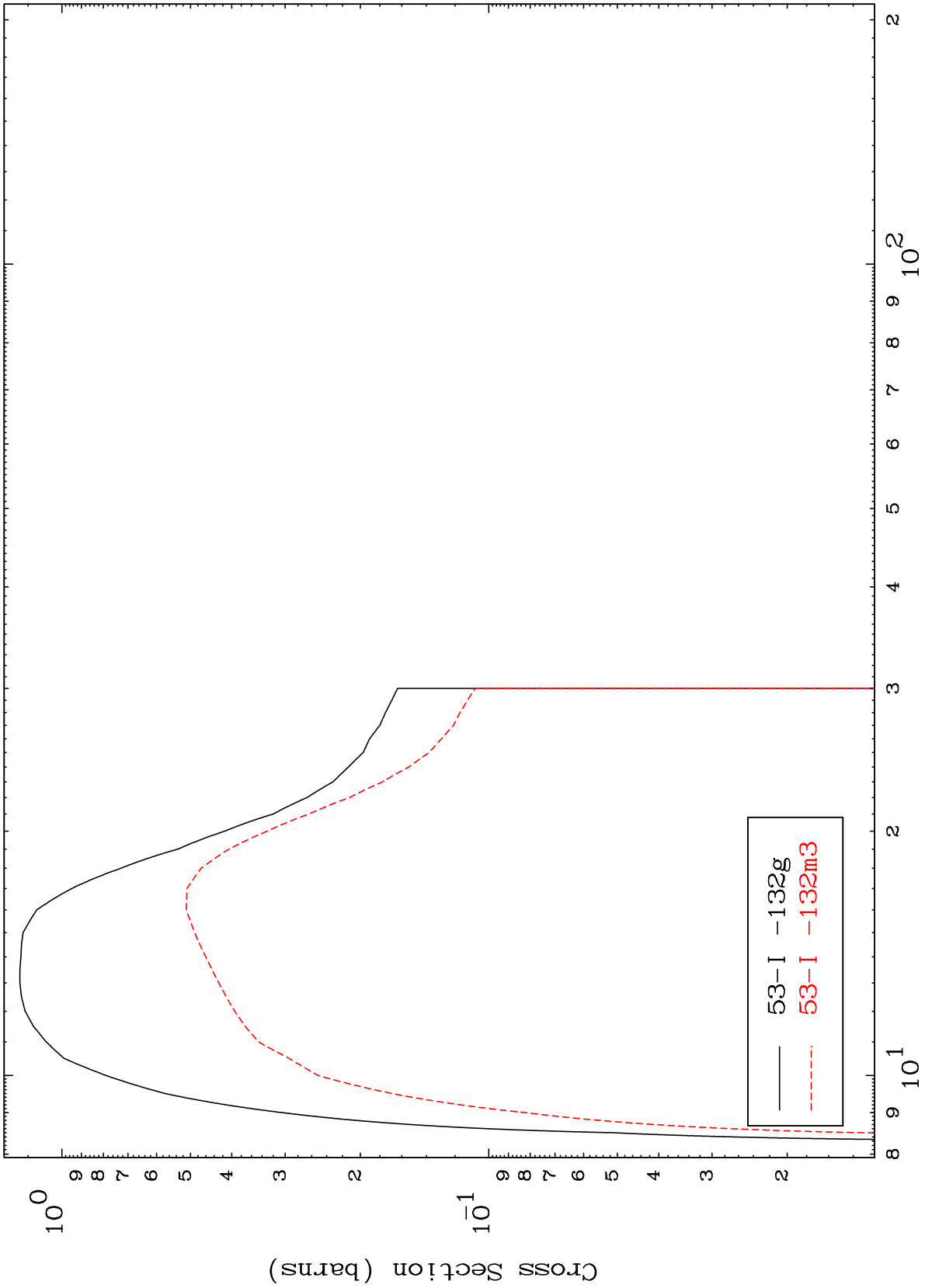
53-I -133

MAT 5343

53-I -133

Radionuclide Production Cross Section

(n,2n)



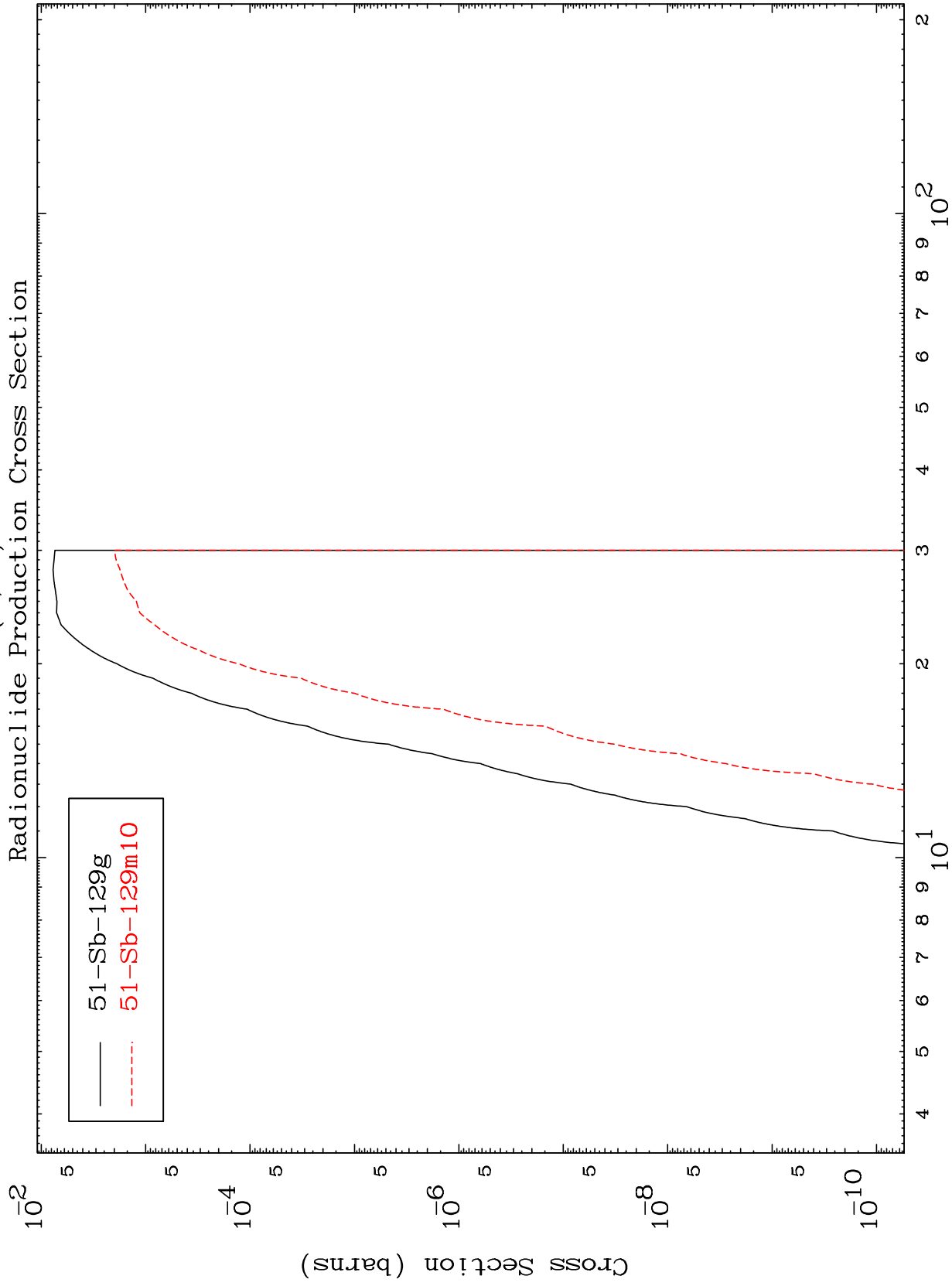
141

53-I -133

MAT 5343

(n,n') α

53-I -133



142

Incident Energy (MeV)

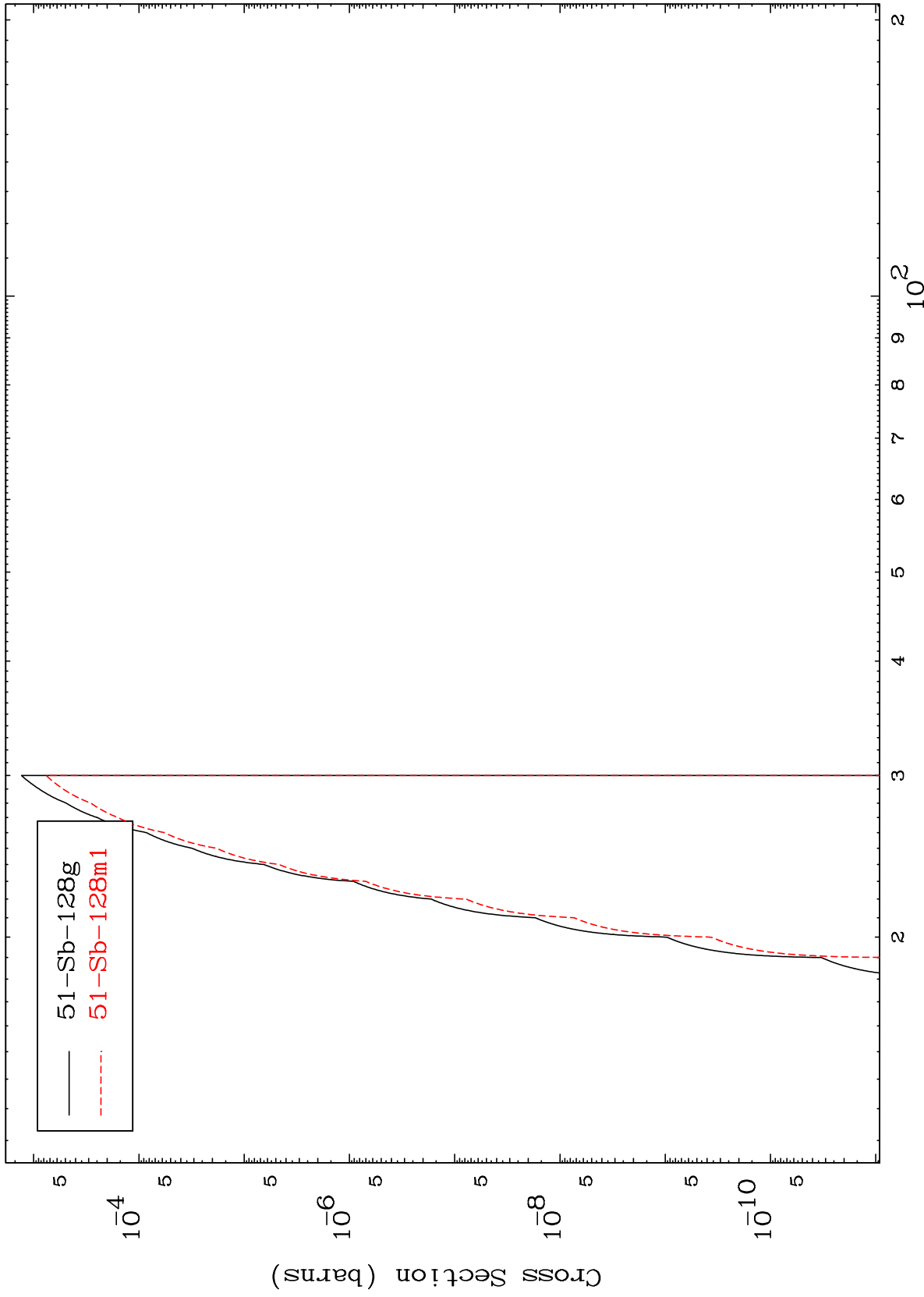
53-I -133

MAT 5343

(n,2n) α

53-I -133

Radionuclide Production Cross Section

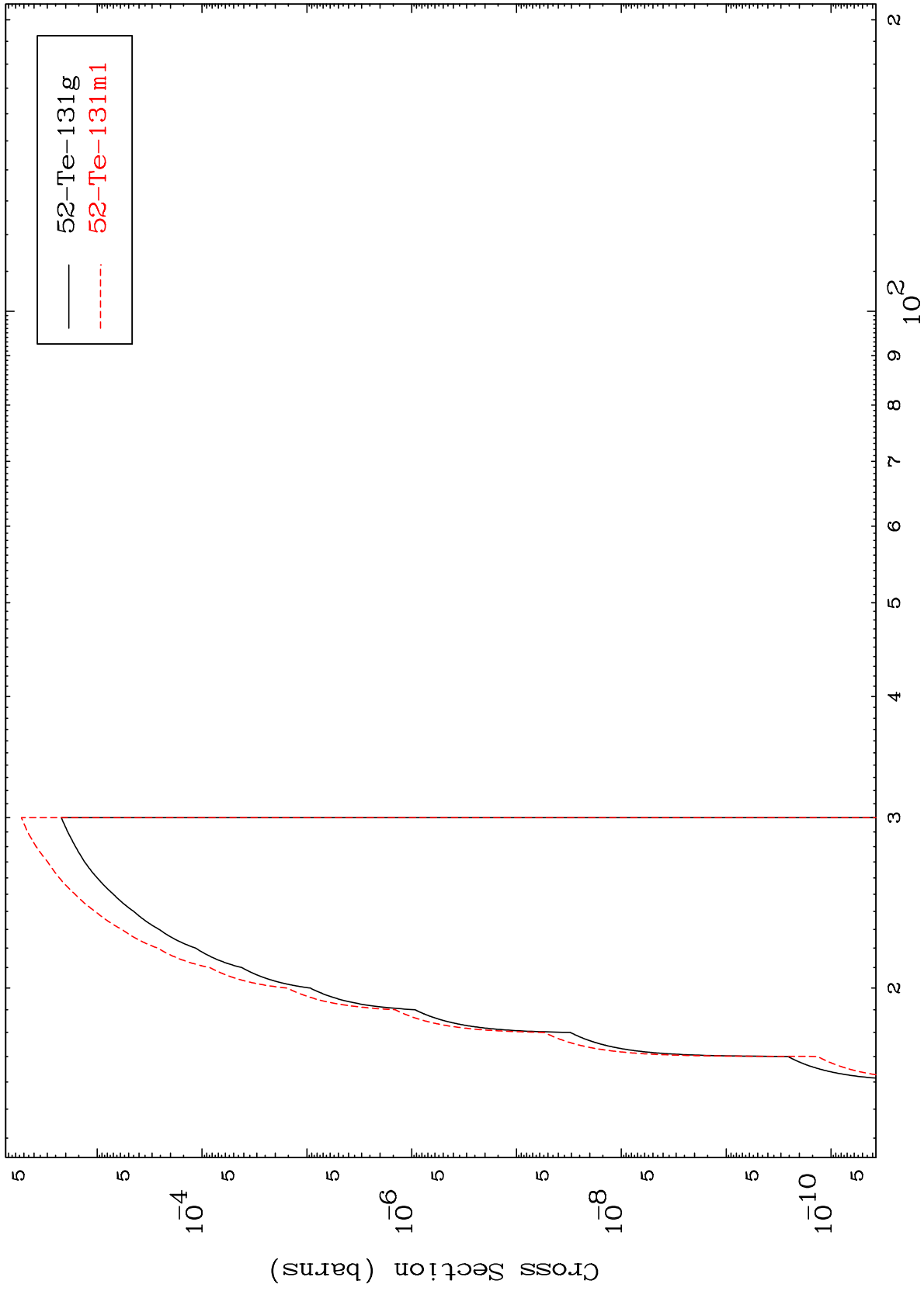


143

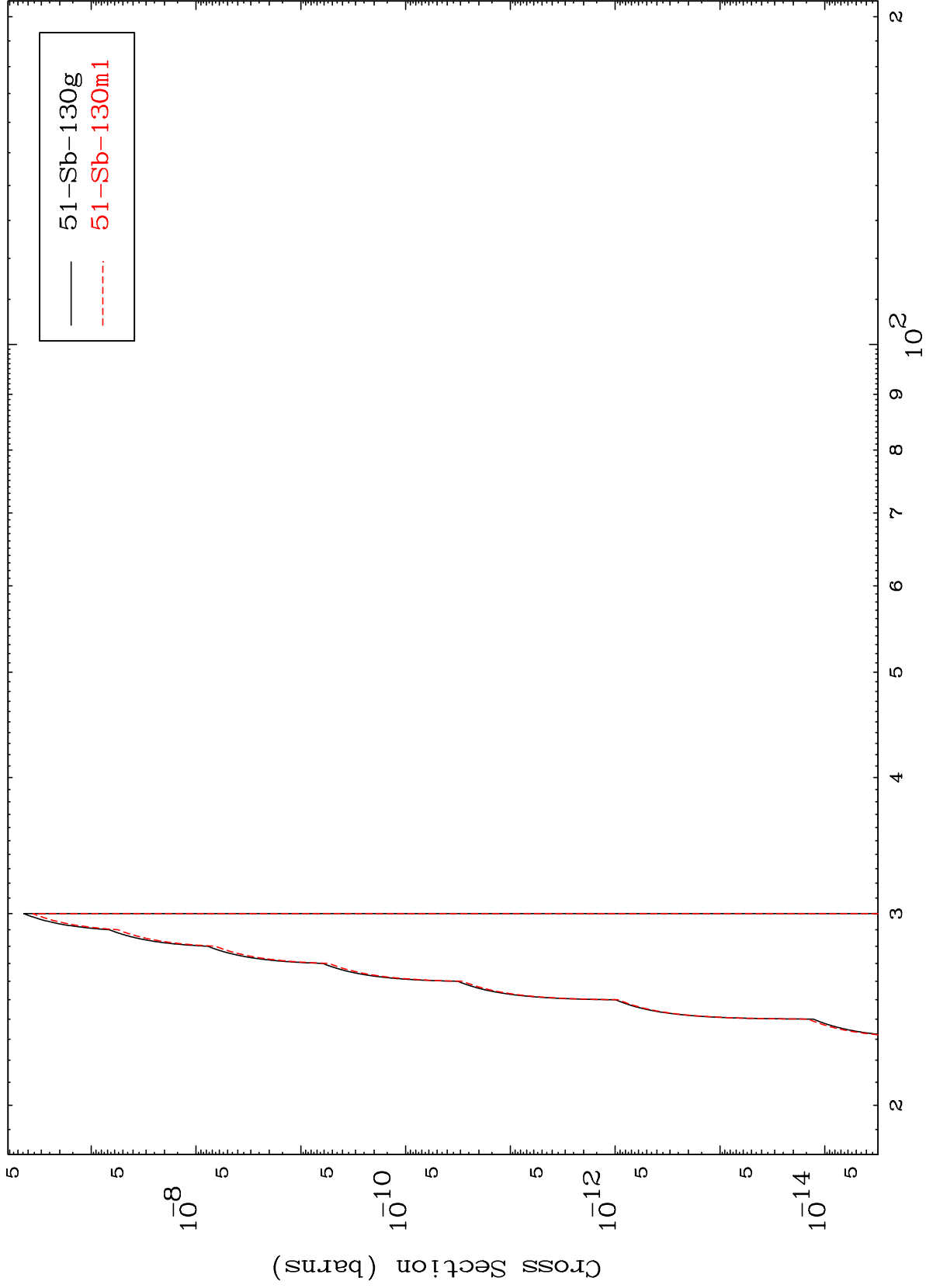
Incident Energy (MeV)

53-I -133

Radionuclide Production Cross Section



Radionuclide Production Cross Section

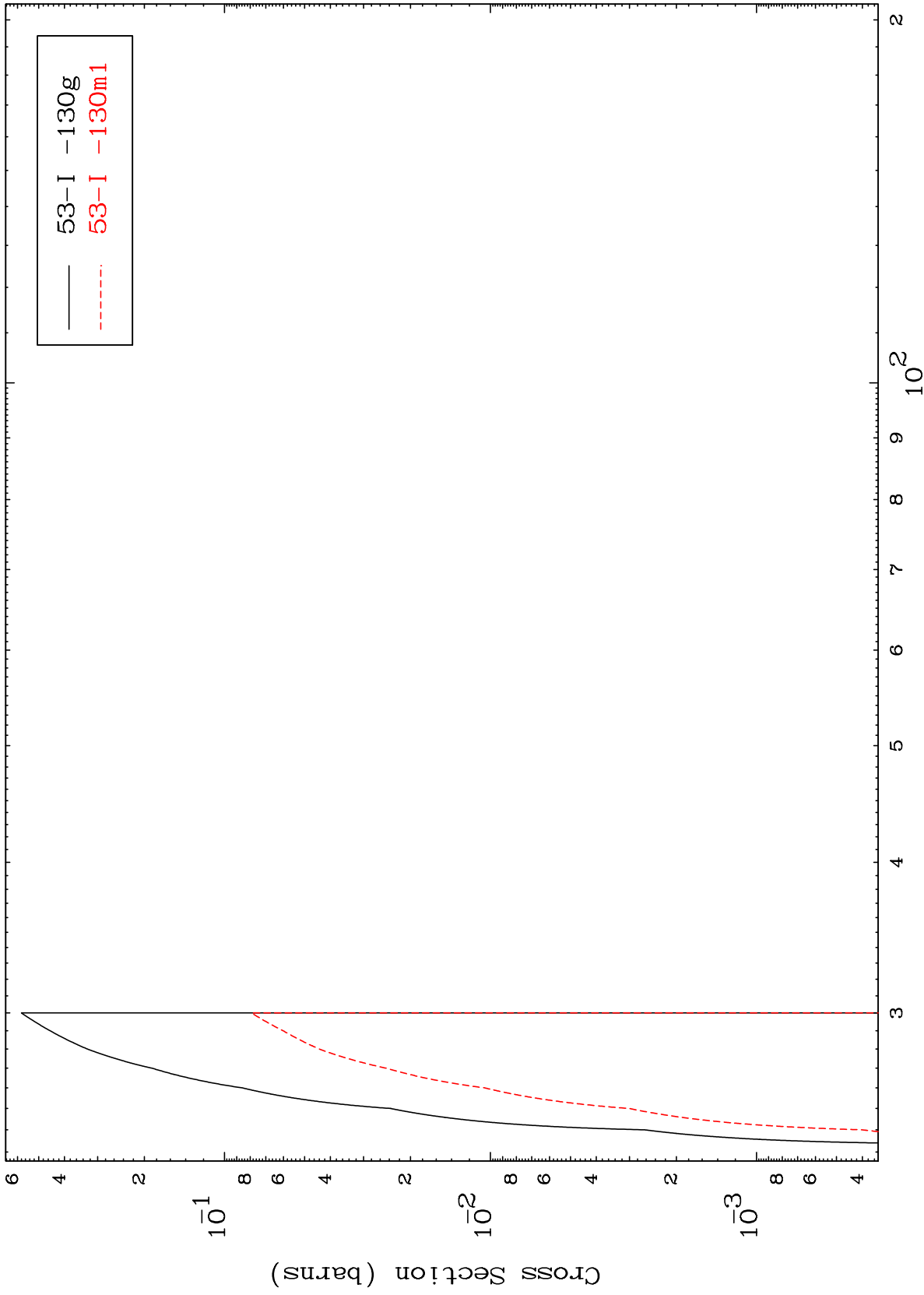


MAT 5343

(n,4n)

53-I -133

Radionuclide Production Cross Section



146

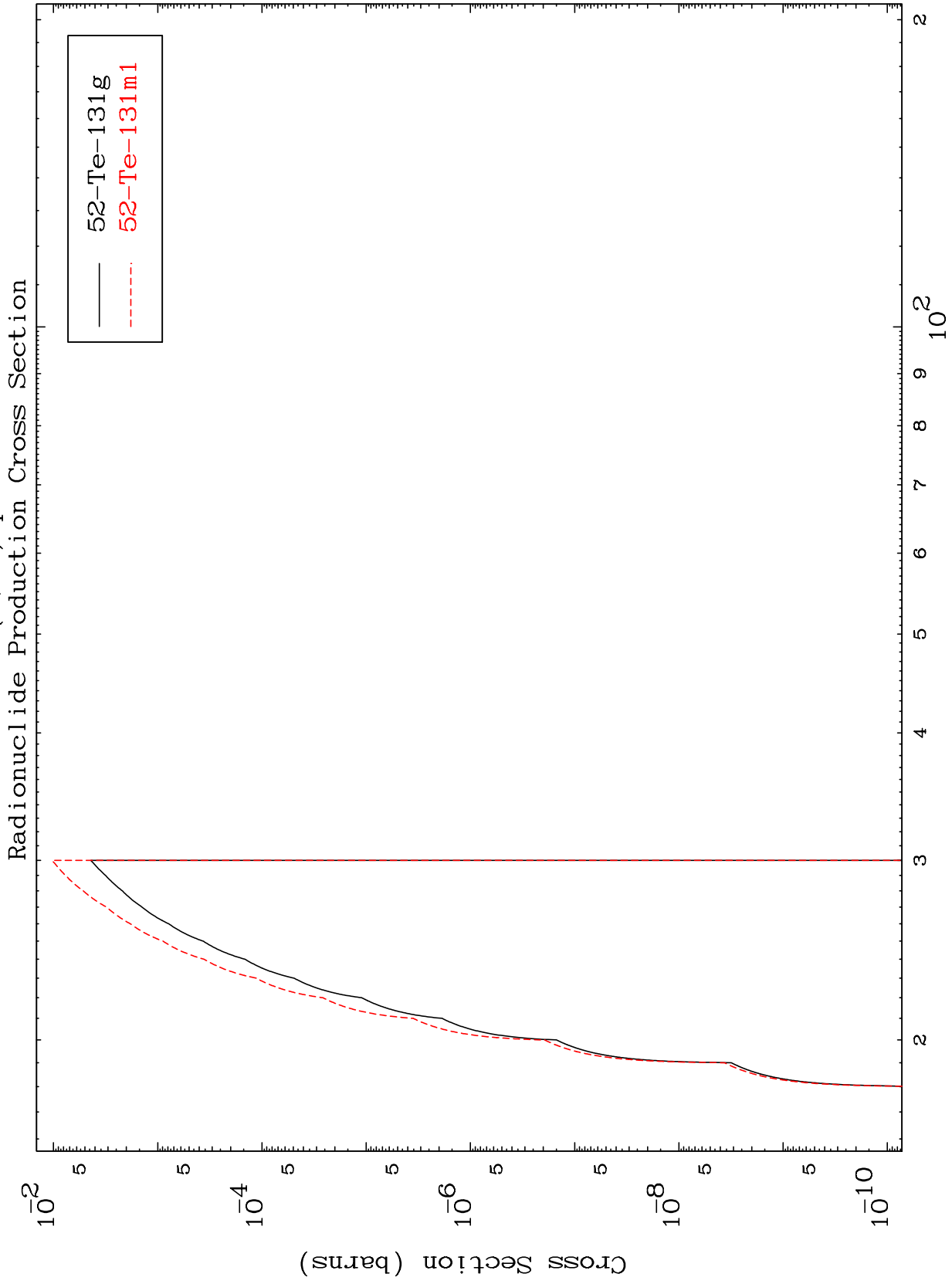
Incident Energy (MeV)

53-I -133

MAT 5343

(n,2n) p

53-I -133



147

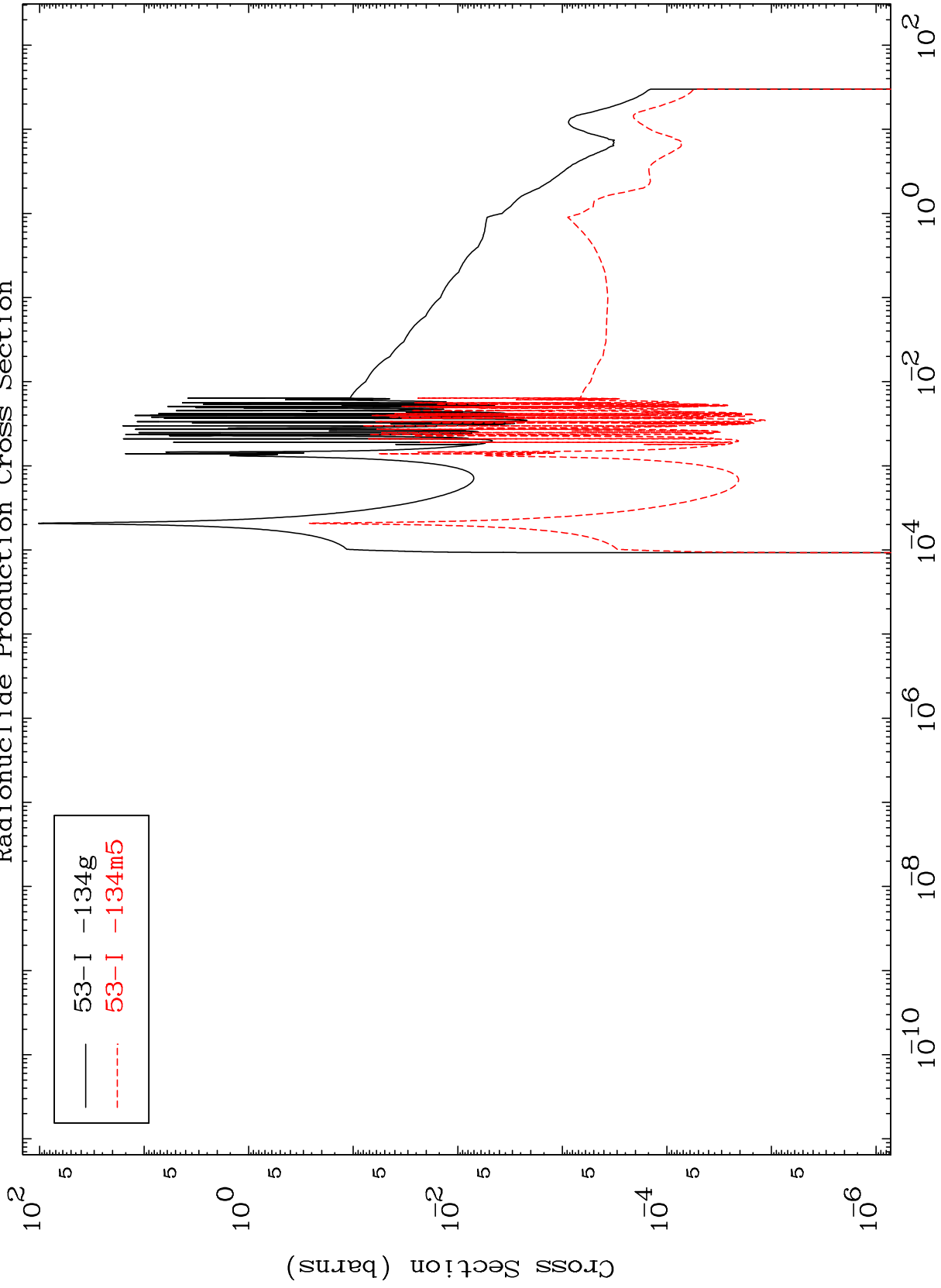
Incident Energy (MeV)

53-I -133

MAT 5343

53-I -133

(n,γ)
Radionuclide Production Cross Section



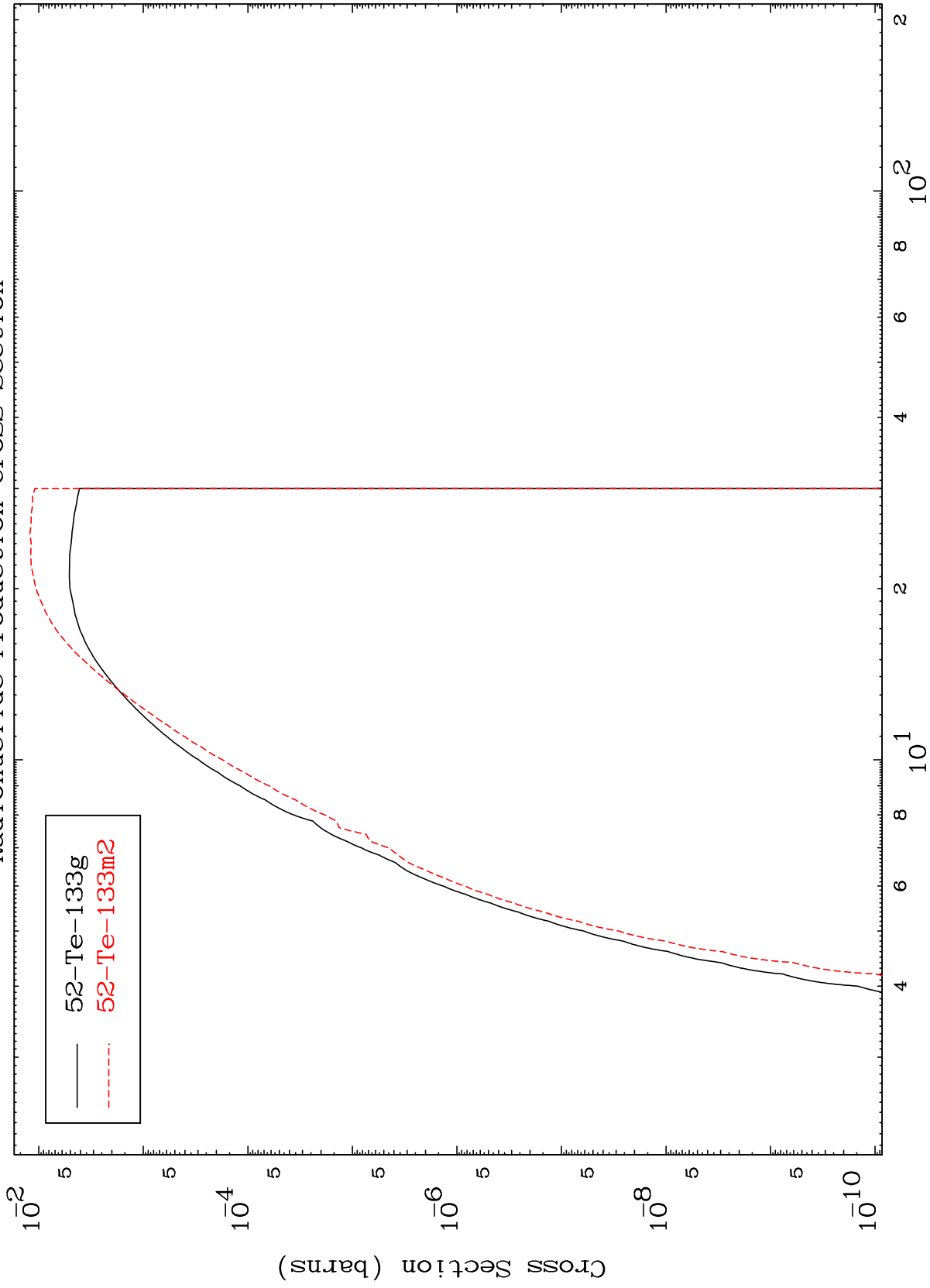
148

53-I -133

MAT 5343

53-I -133

Radionuclide Production Cross Section (n,p)



149

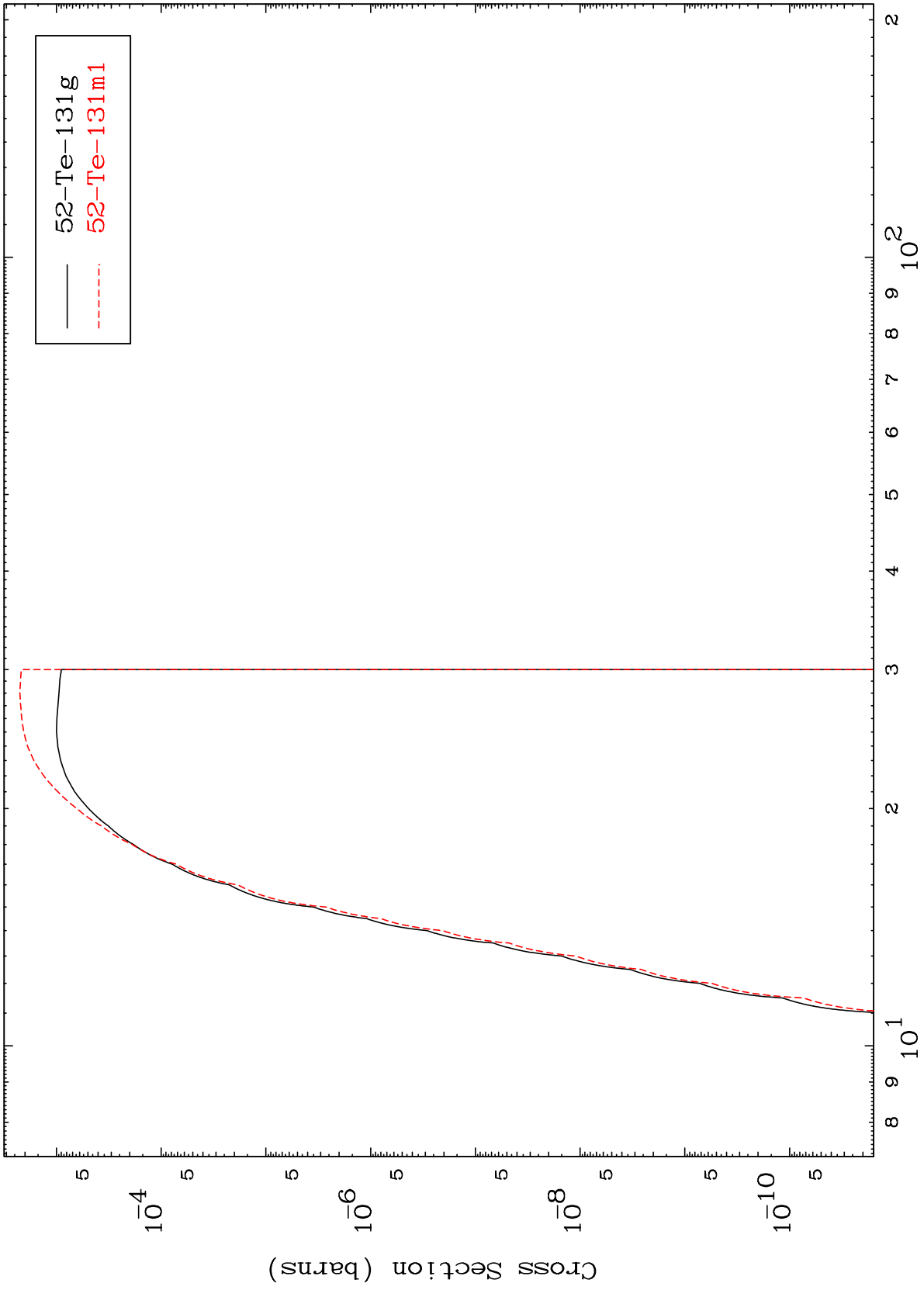
Incident Energy (MeV)

53-I -133

MAT 5343

53-I -133

(n, t)
Radionuclide Production Cross Section



150

Incident Energy (MeV)

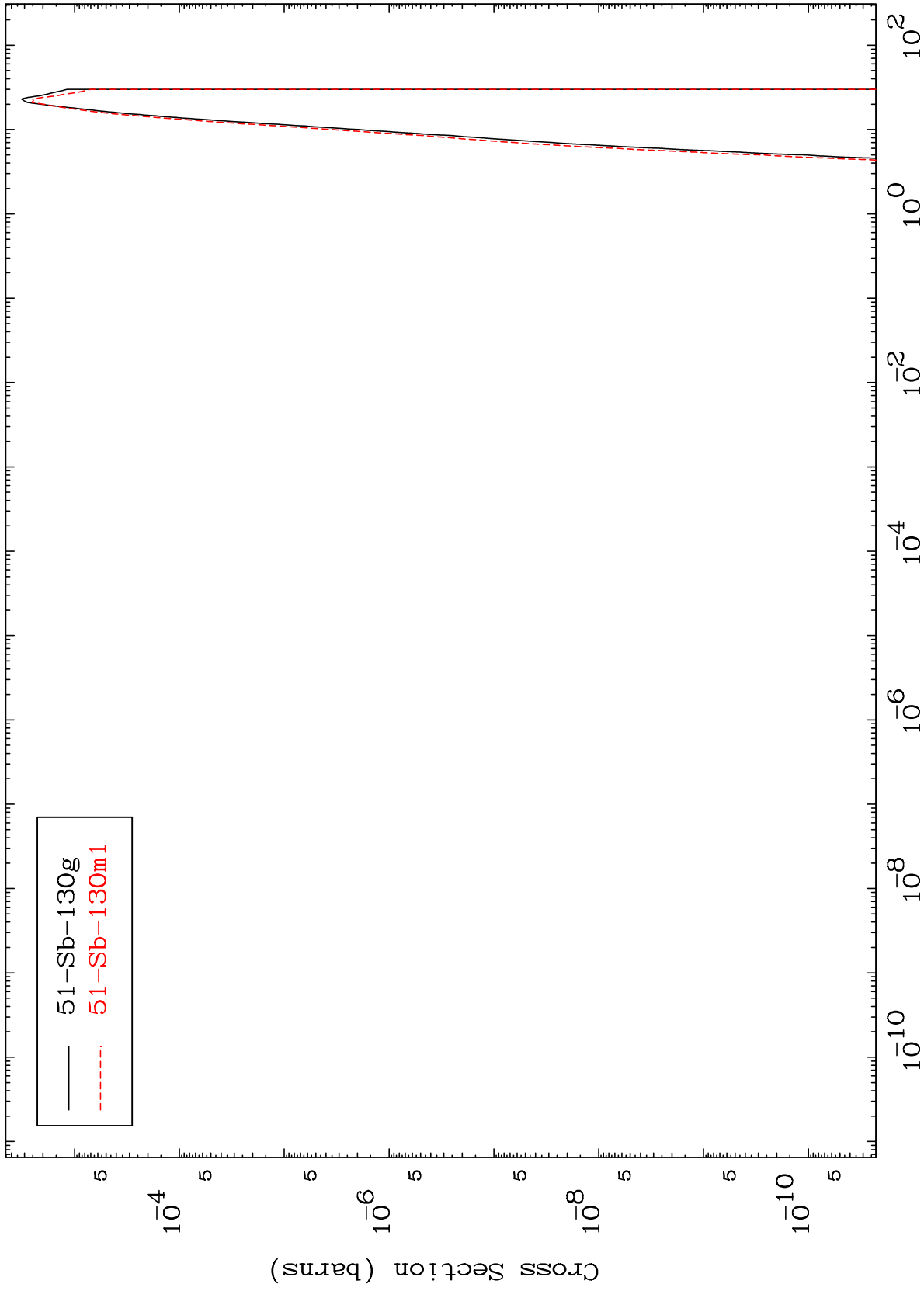
53-I -133

MAT 5343

(n,α)

53-I -133

Radionuclide Production Cross Section



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

151

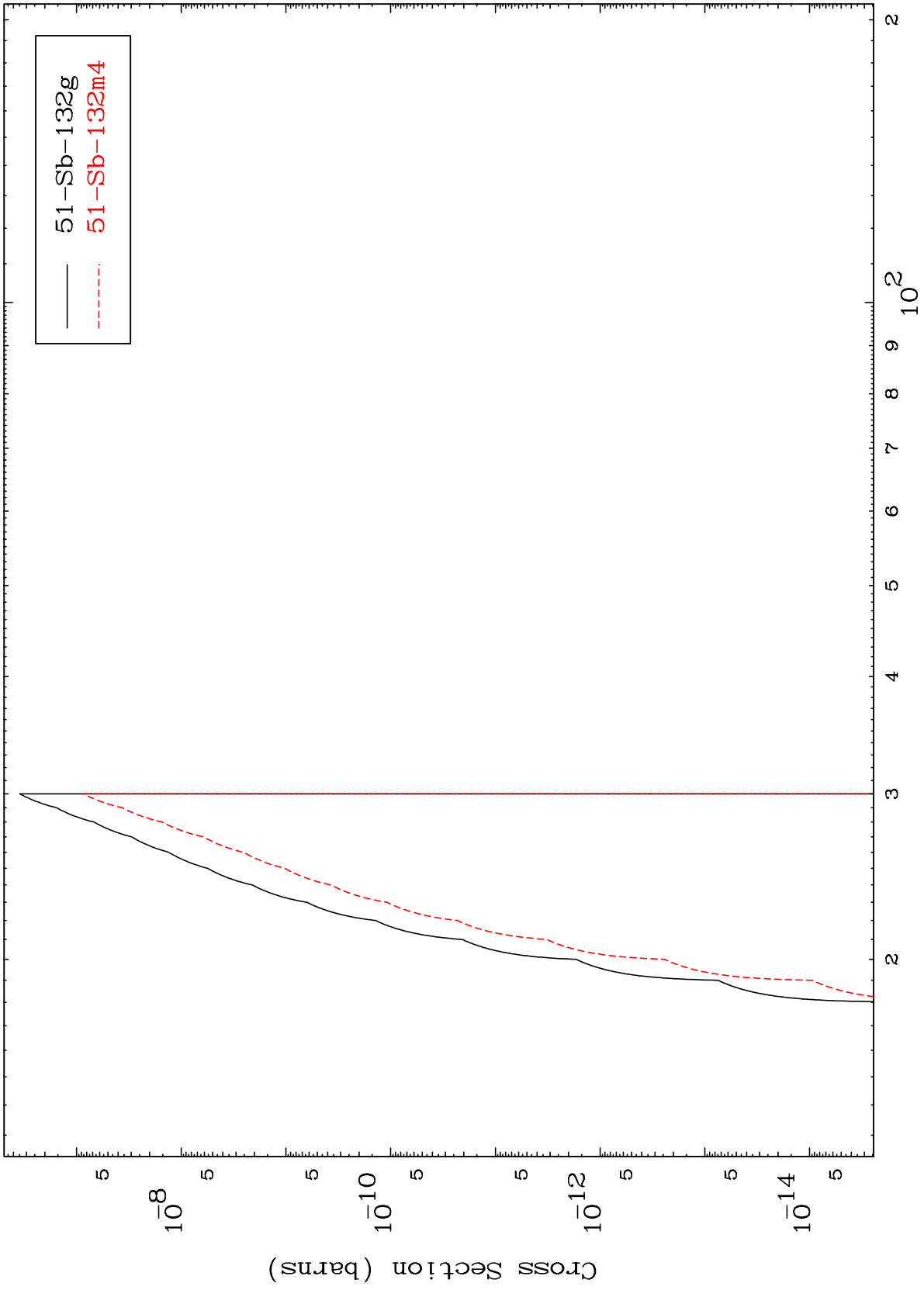
Incident Energy (MeV)

53-I -133

MAT 5343

53-I -133

(n,2p)
Radionuclide Production Cross Section



152

53-I -133

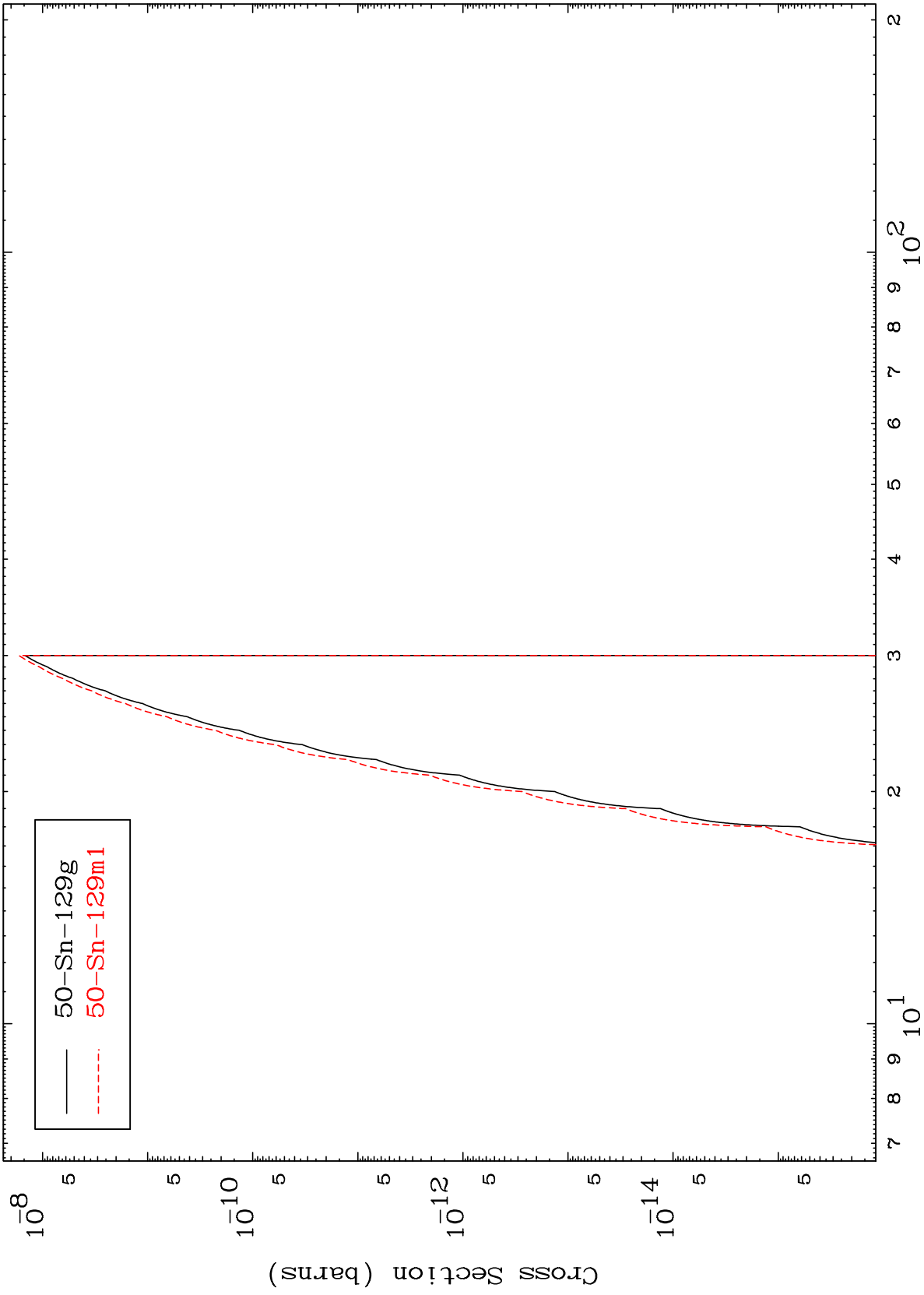
Incident Energy (MeV)

MAT 5343

(n,p) α

53-I -133

Radionuclide Production Cross Section



153

Incident Energy (MeV)

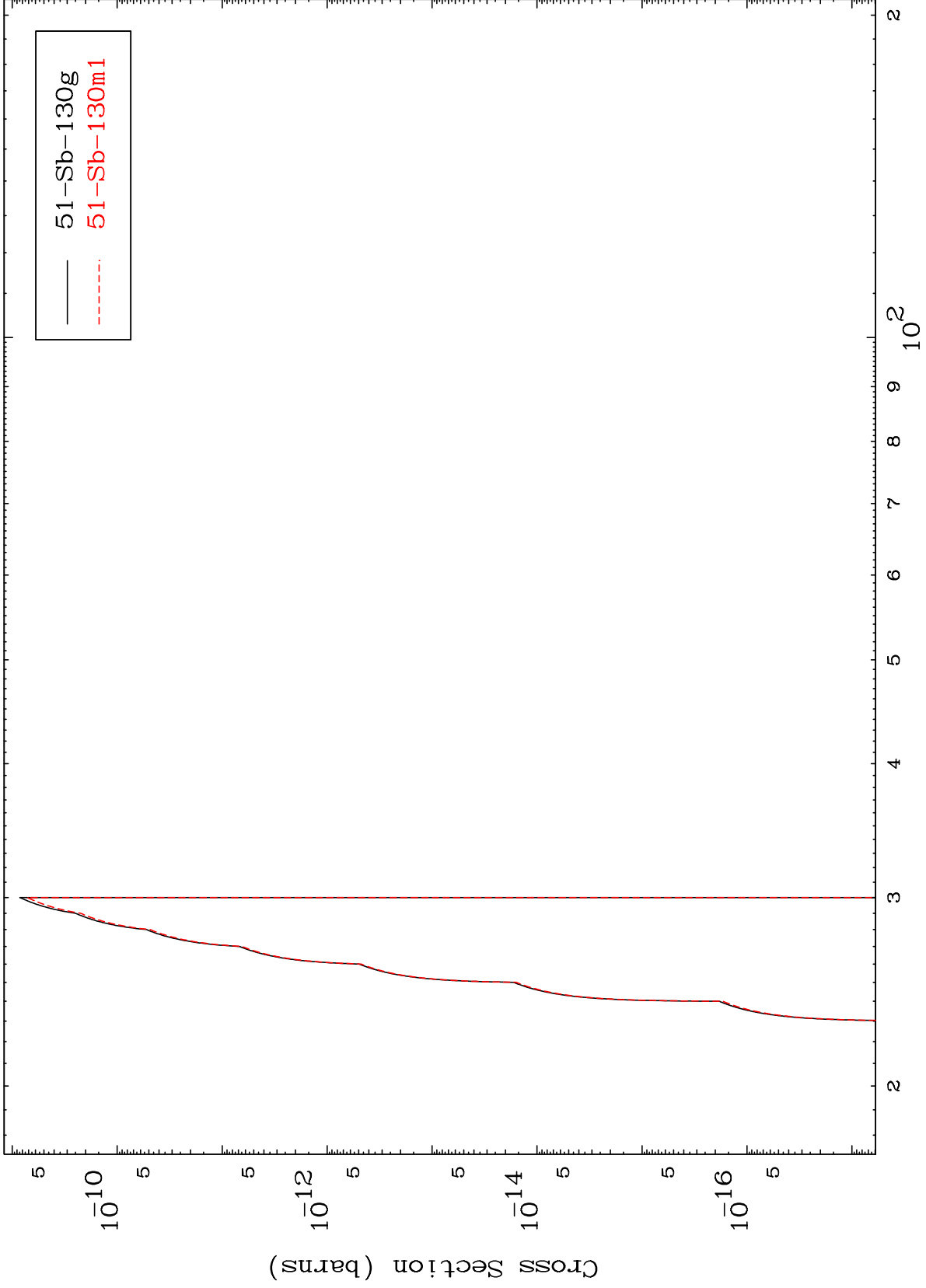
53-I -133

MAT 5343

(n,p) t

53-I -133

Radionuclide Production Cross Section



154

Incident Energy (MeV)

53-I -133