

Program EVALPLOT
(Version 2018-1)

by

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(Present Contact Information)

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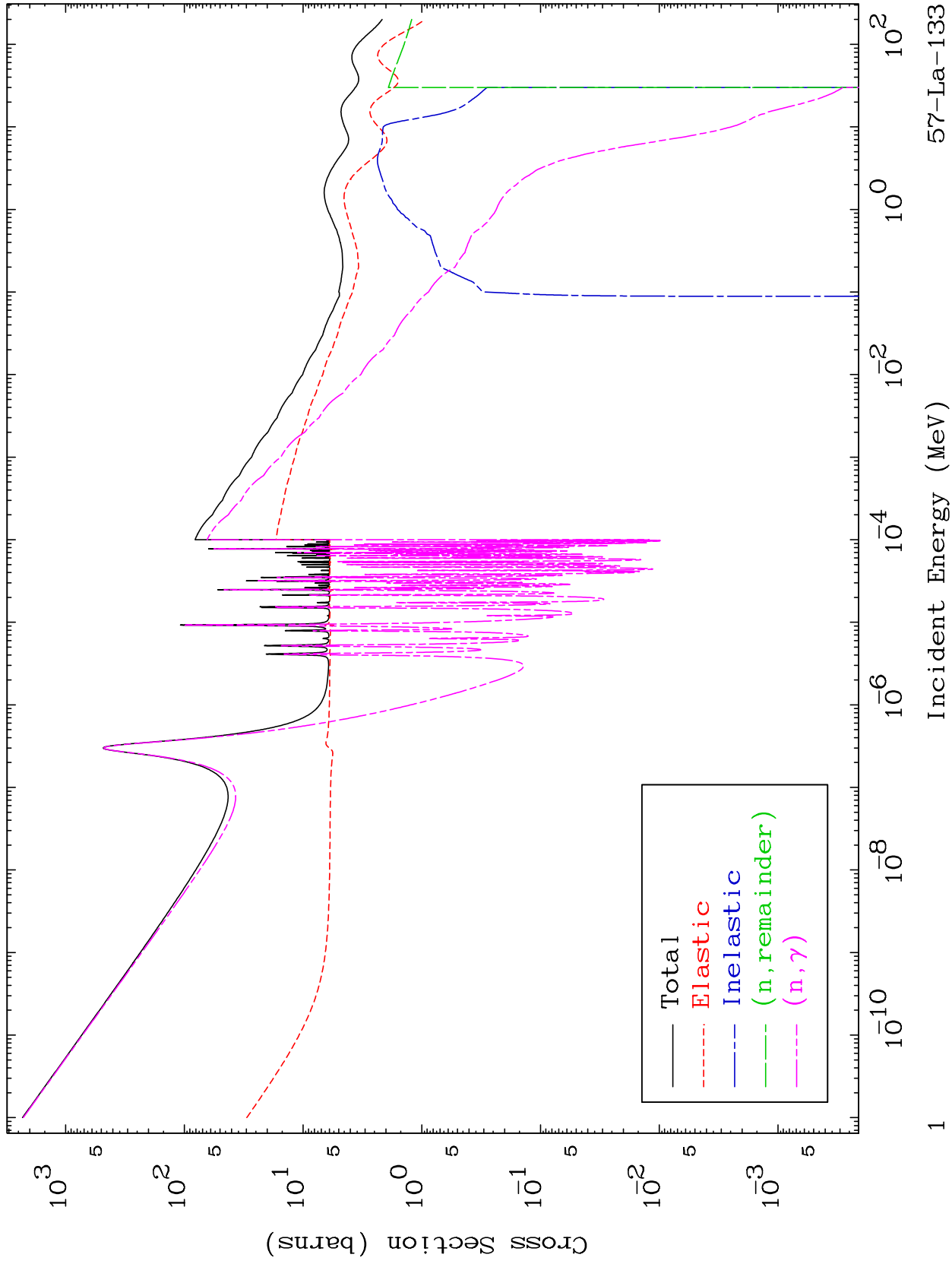
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5710

Major
293 Kelvin Cross Sections

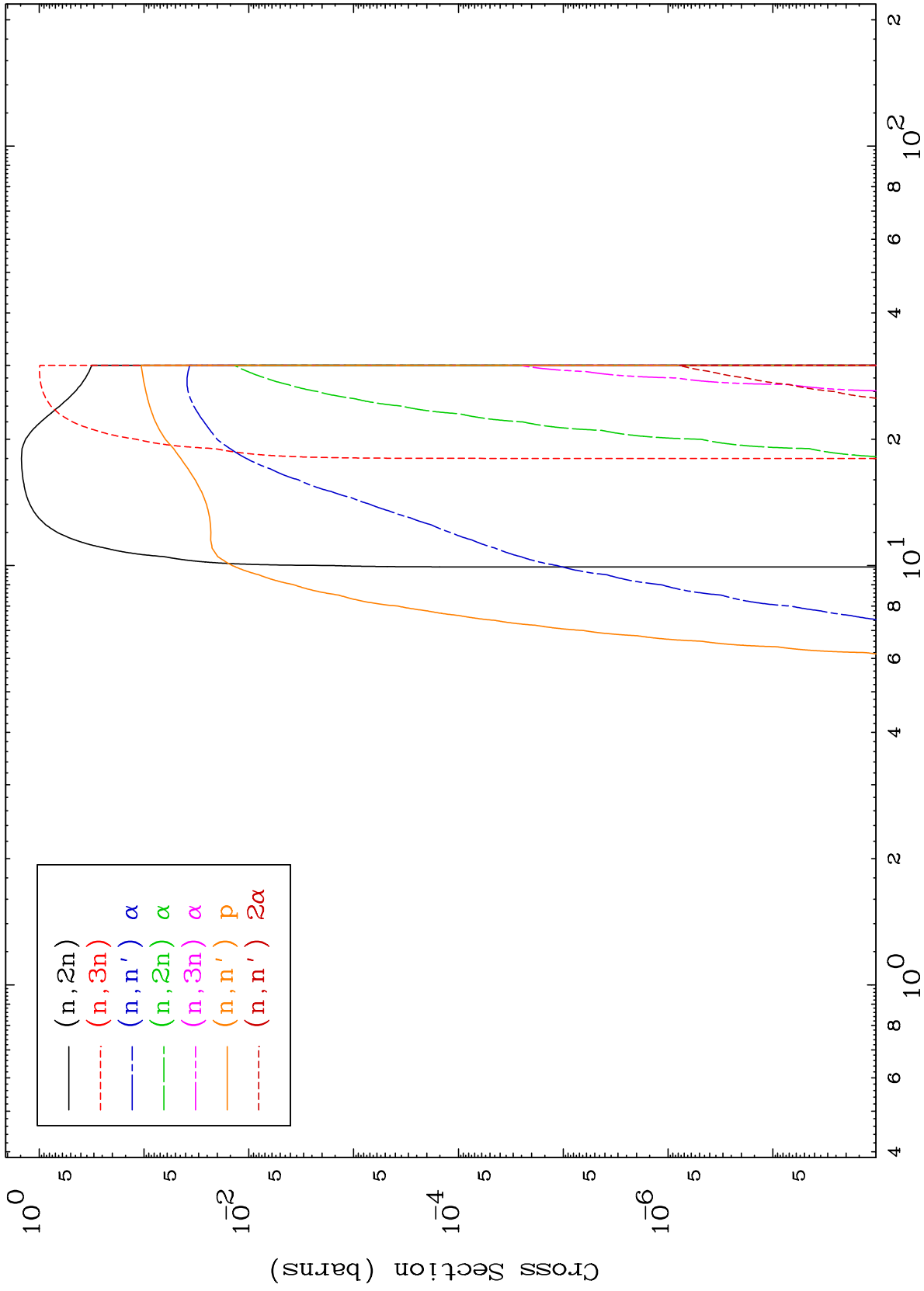
57-La-133



MAT 5710

Neutron Production
293 Kelvin Cross Sections

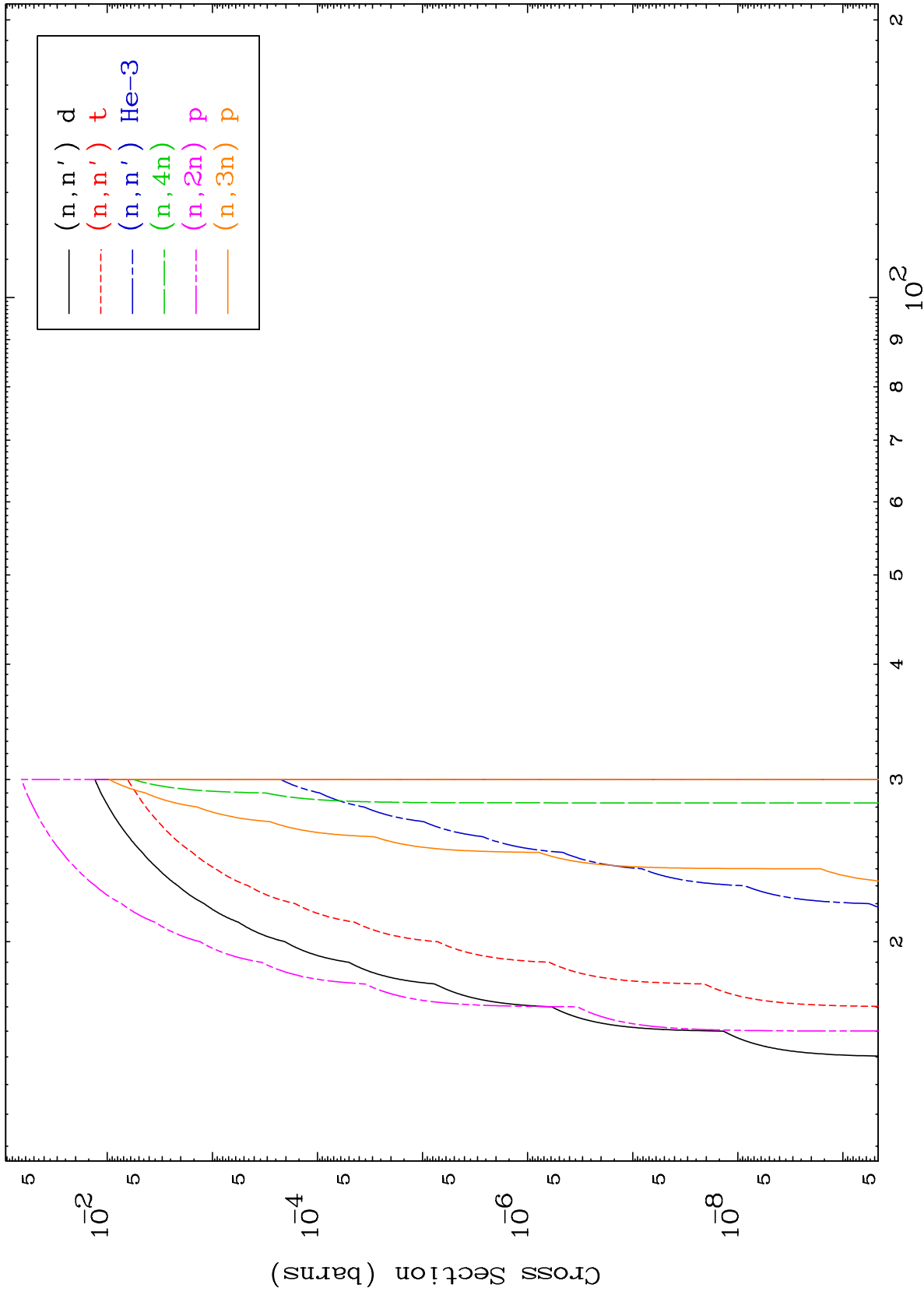
57-La-133



2

Incident Energy (MeV)

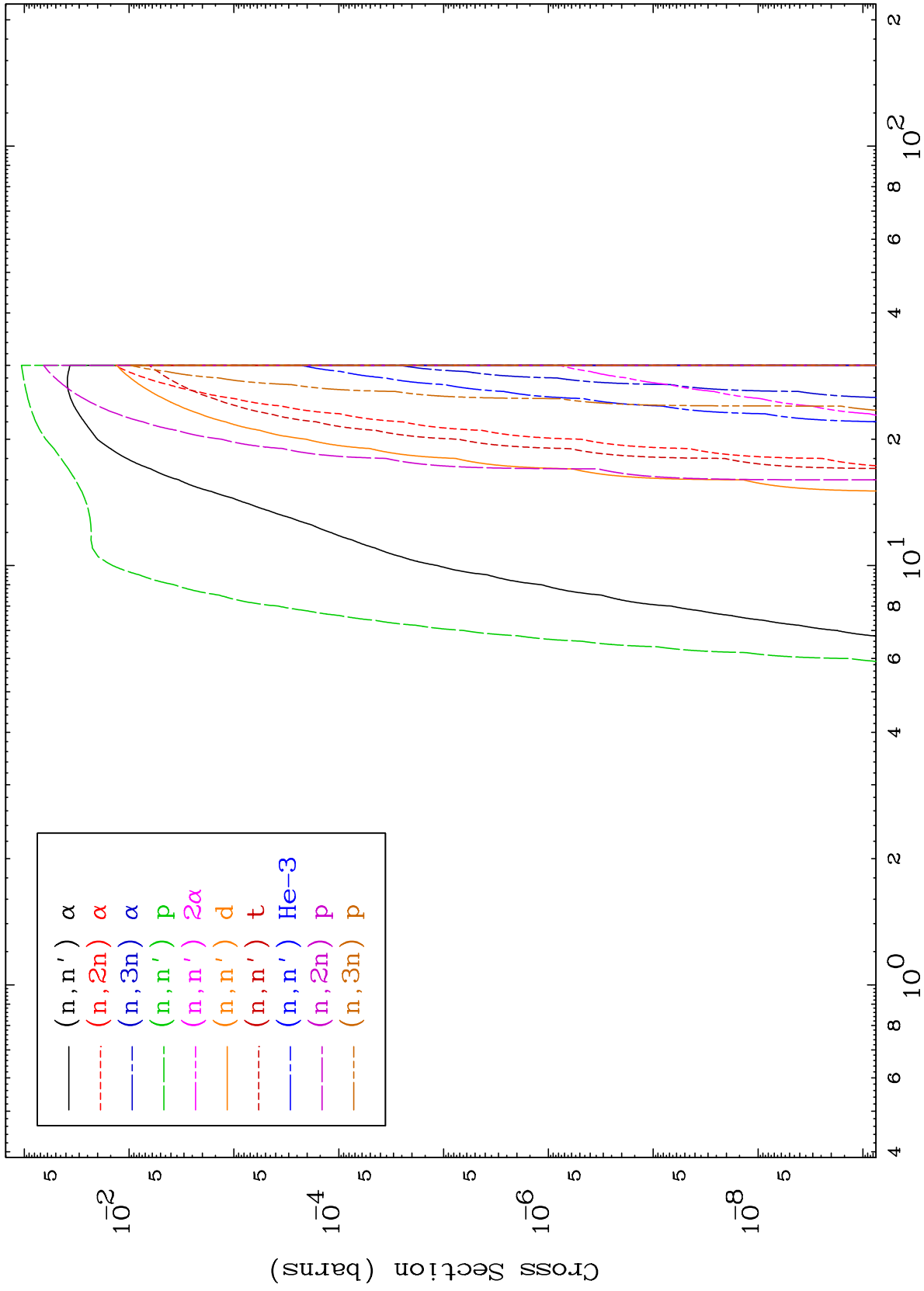
57-La-133



MAT 5710

293 Kelvin Cross Sections
Charged Particle

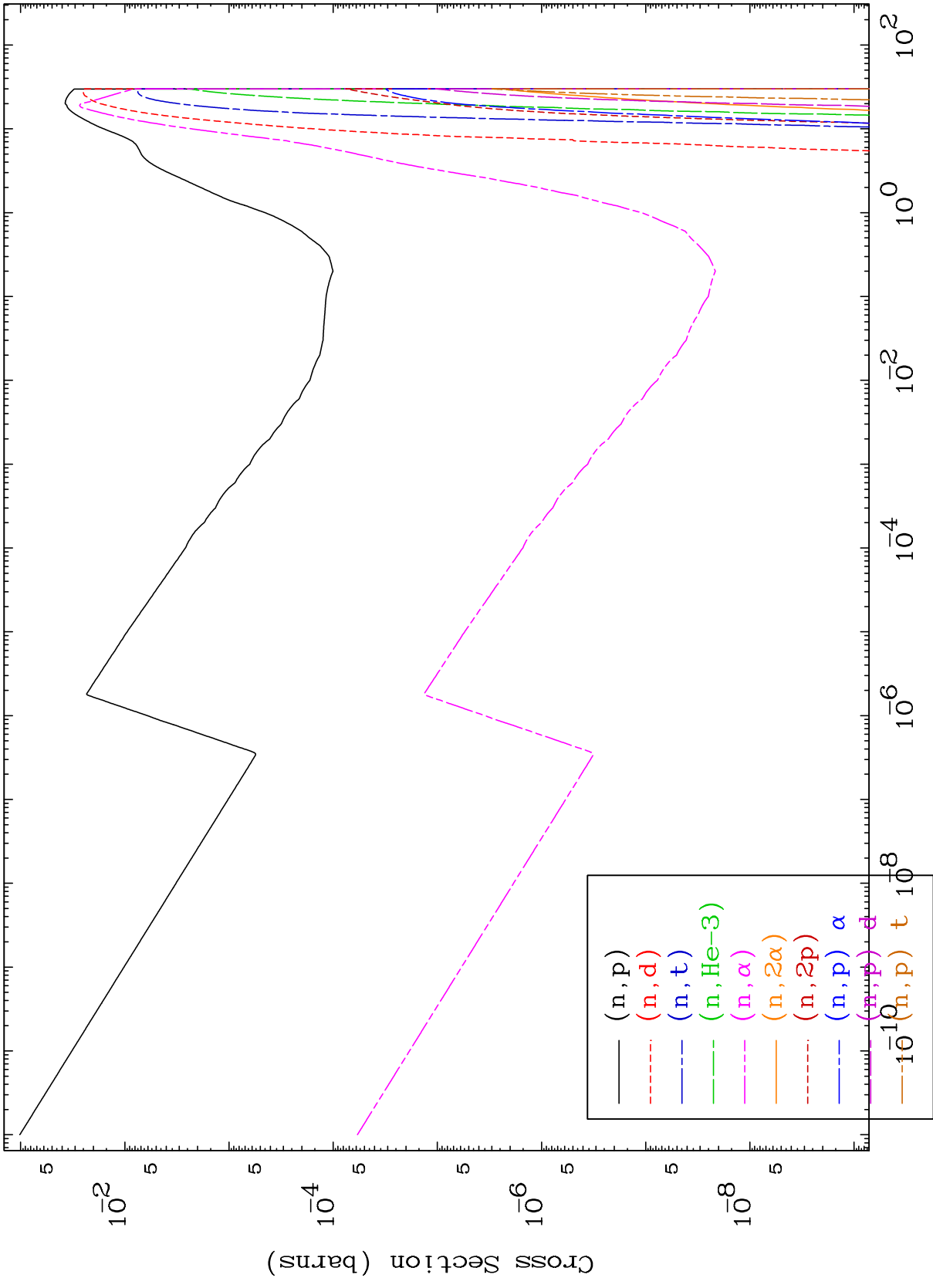
57-La-133



MAT 5710

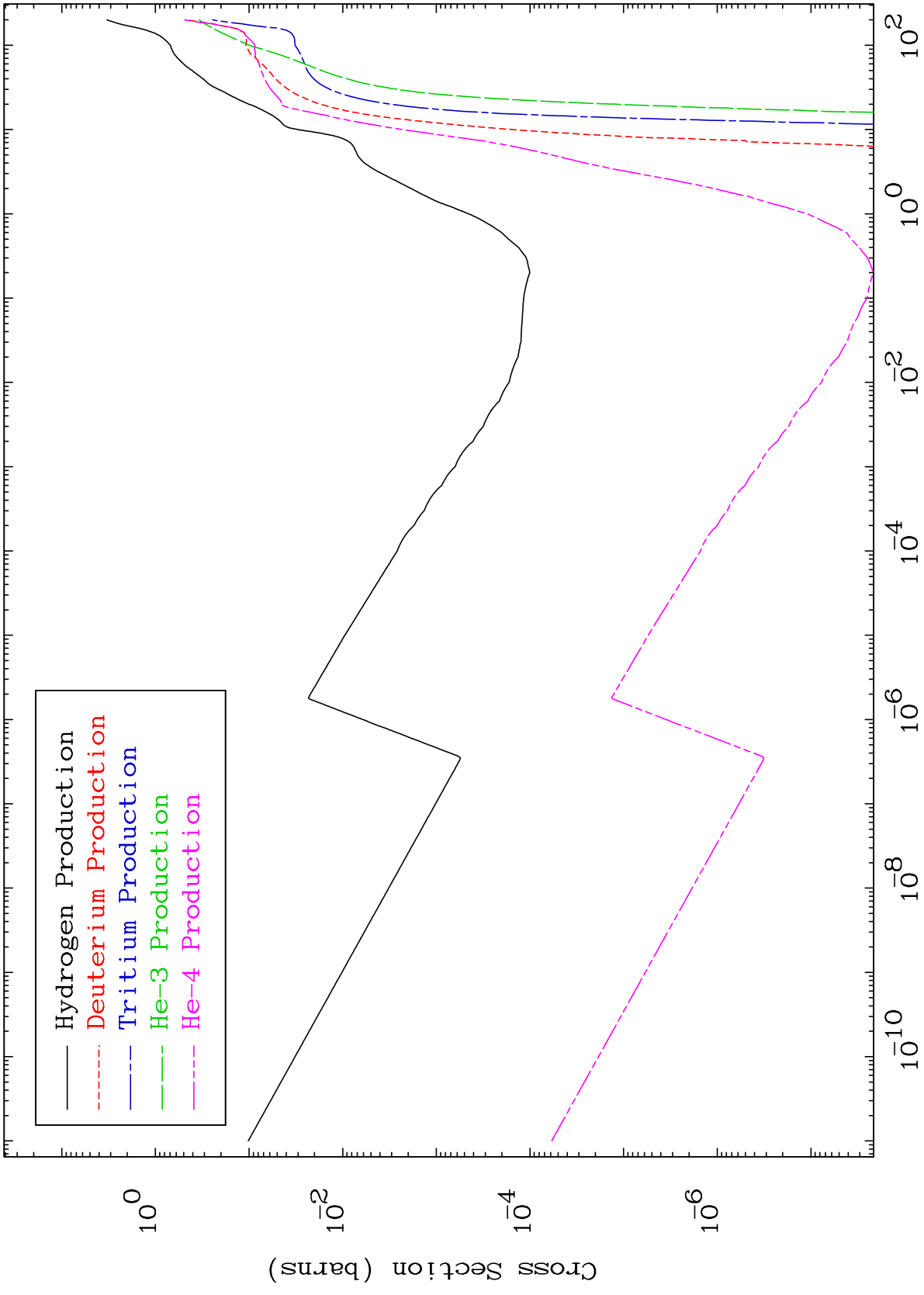
293 Kelvin Cross Sections

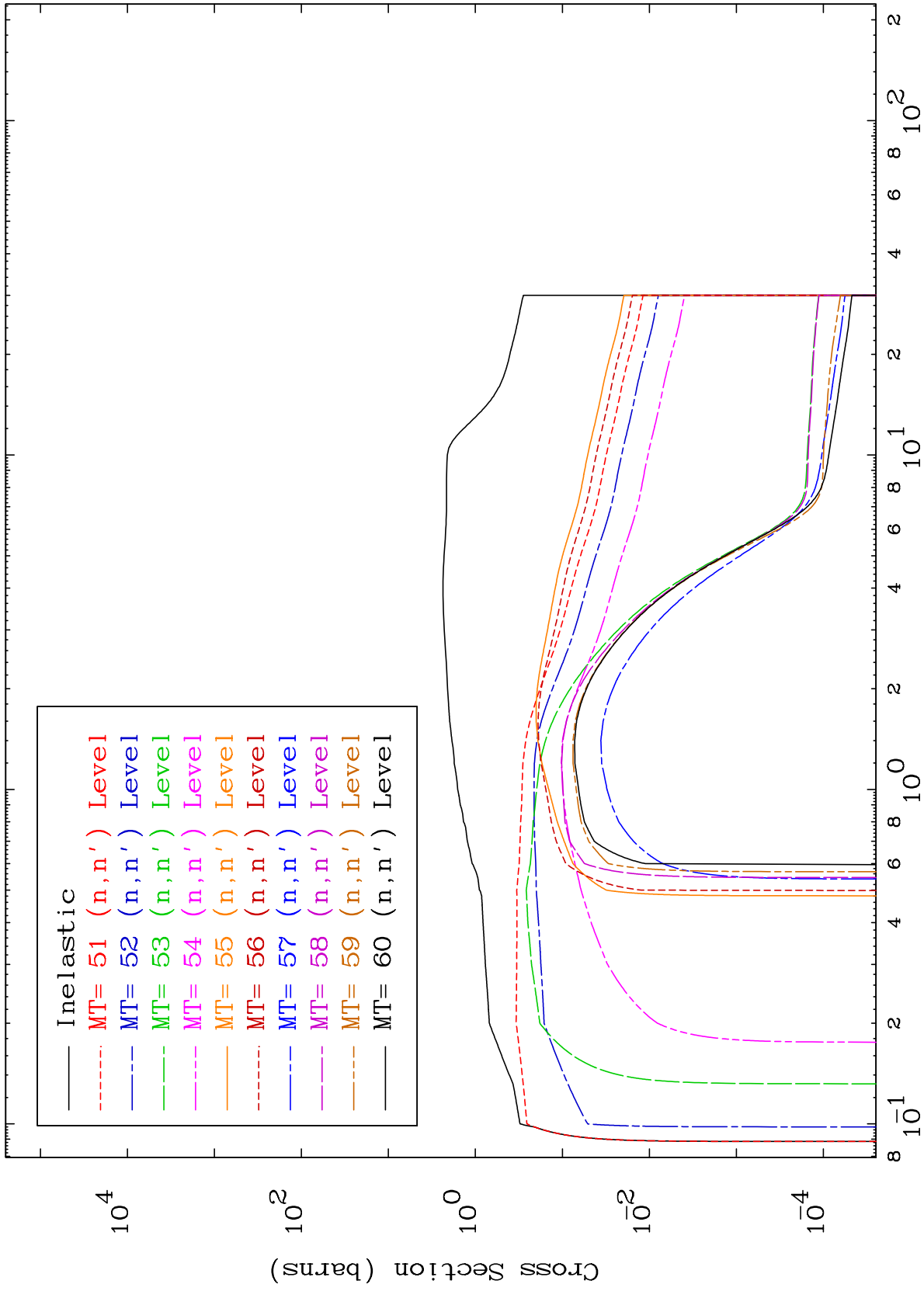
57-La-133



5

57-La-133



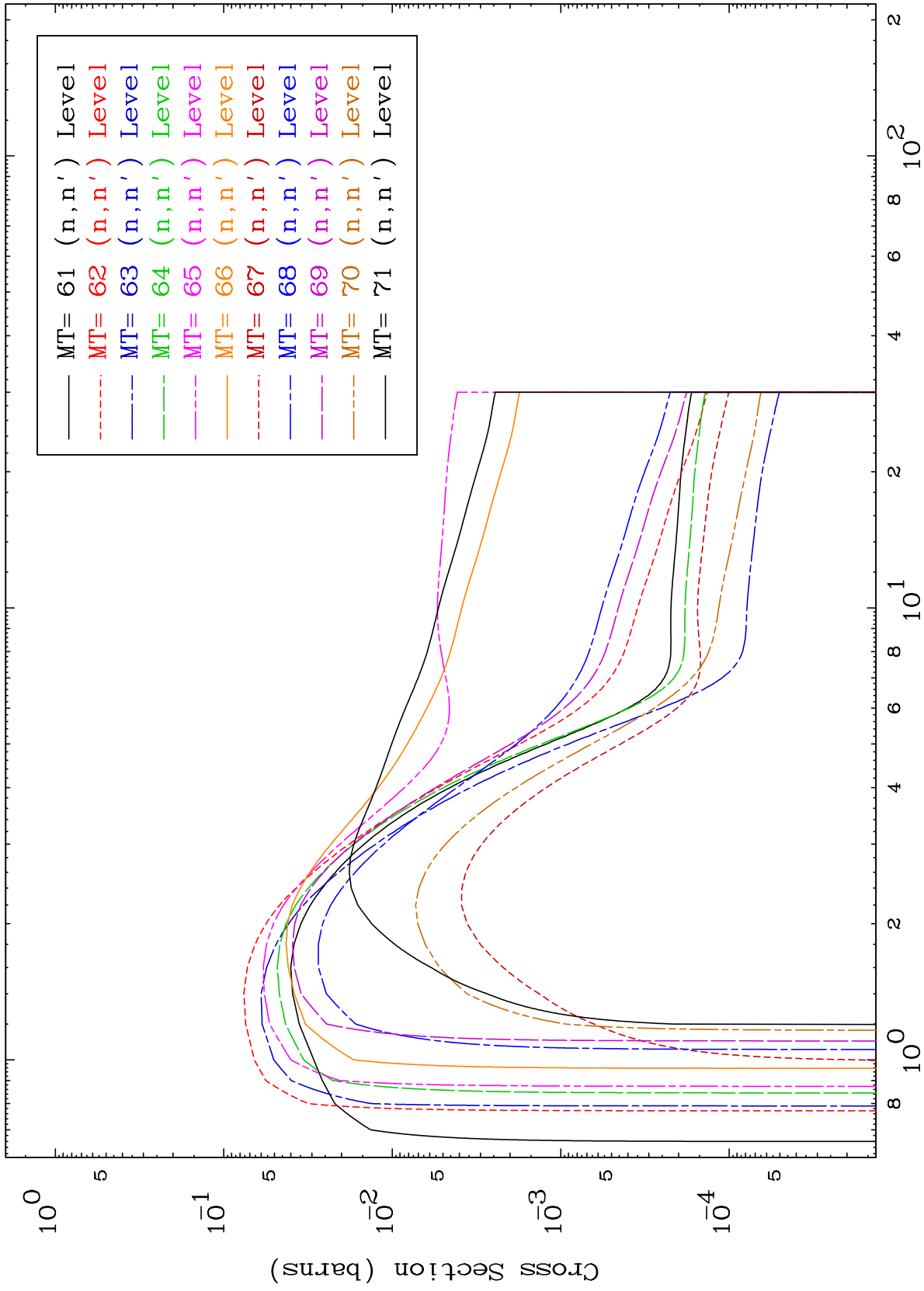


MAT 5710

(n,n') Level

57-La-133

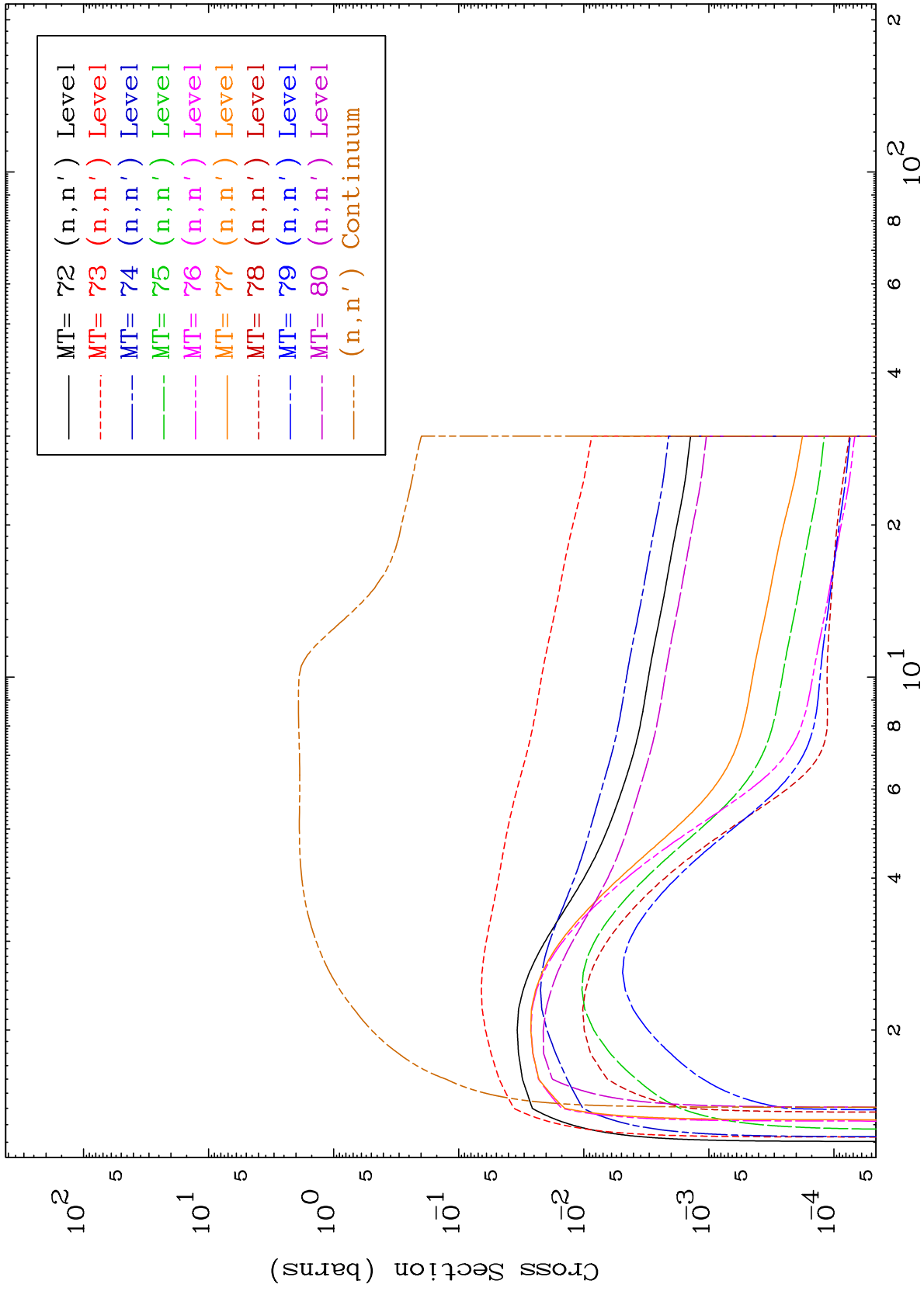
293 Kelvin Cross Sections



8

Incident Energy (MeV)

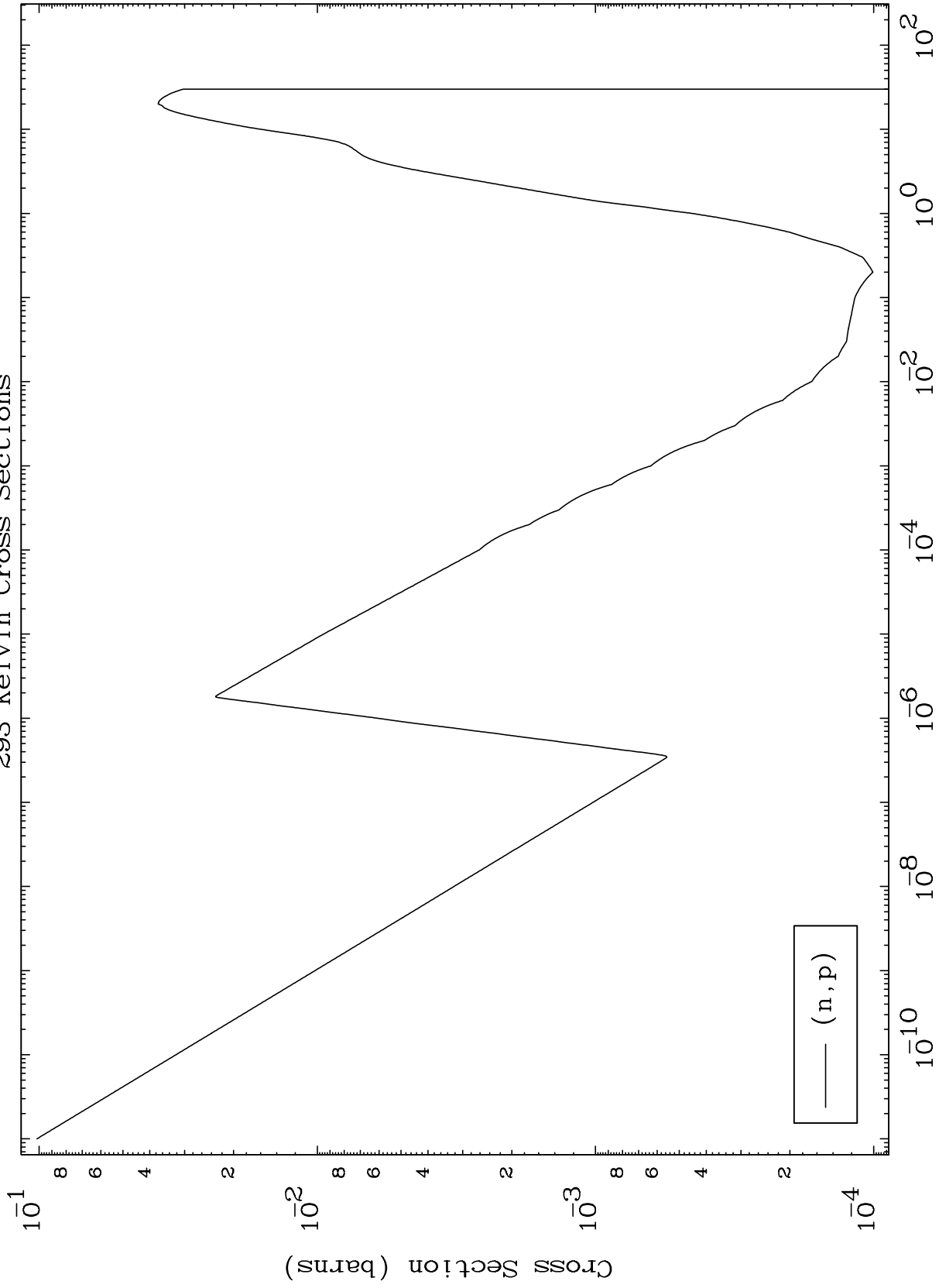
57-La-133



MAT 5710

(n,p) Levels
293 Kelvin Cross Sections

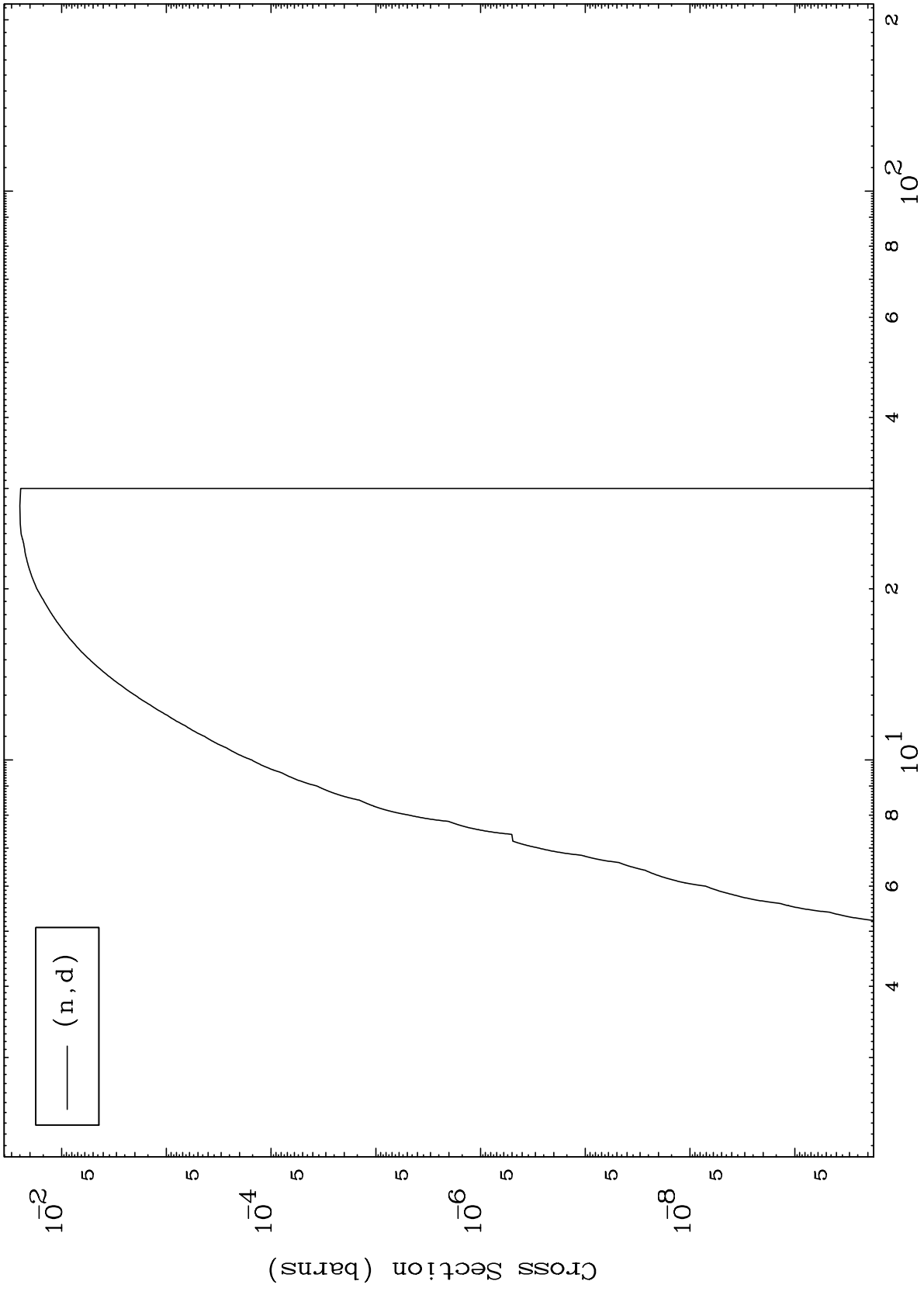
57-La-133



10

Incident Energy (MeV)

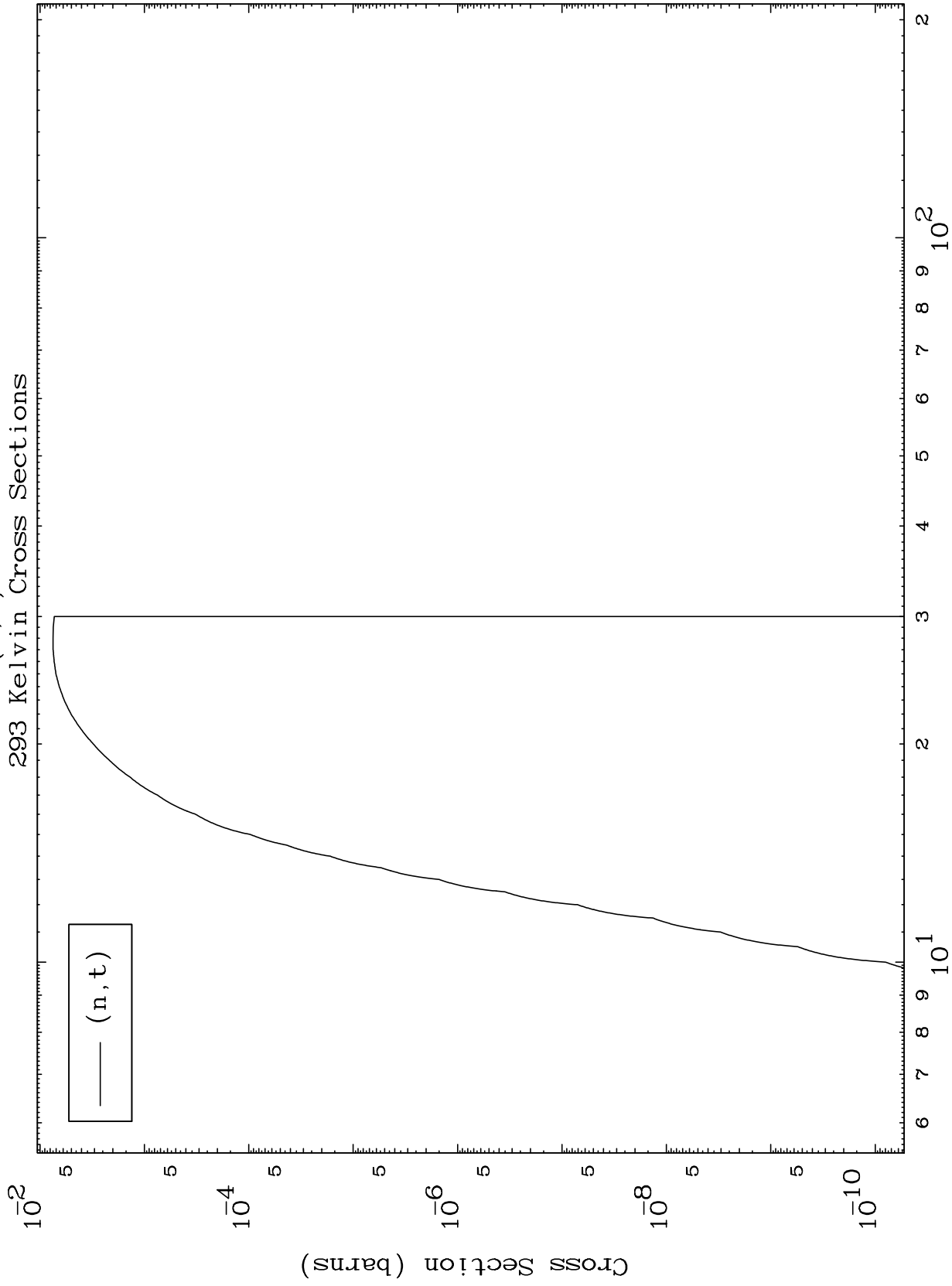
57-La-133



MAT 5710

(n,t) Levels
293 Kelvin Cross Sections

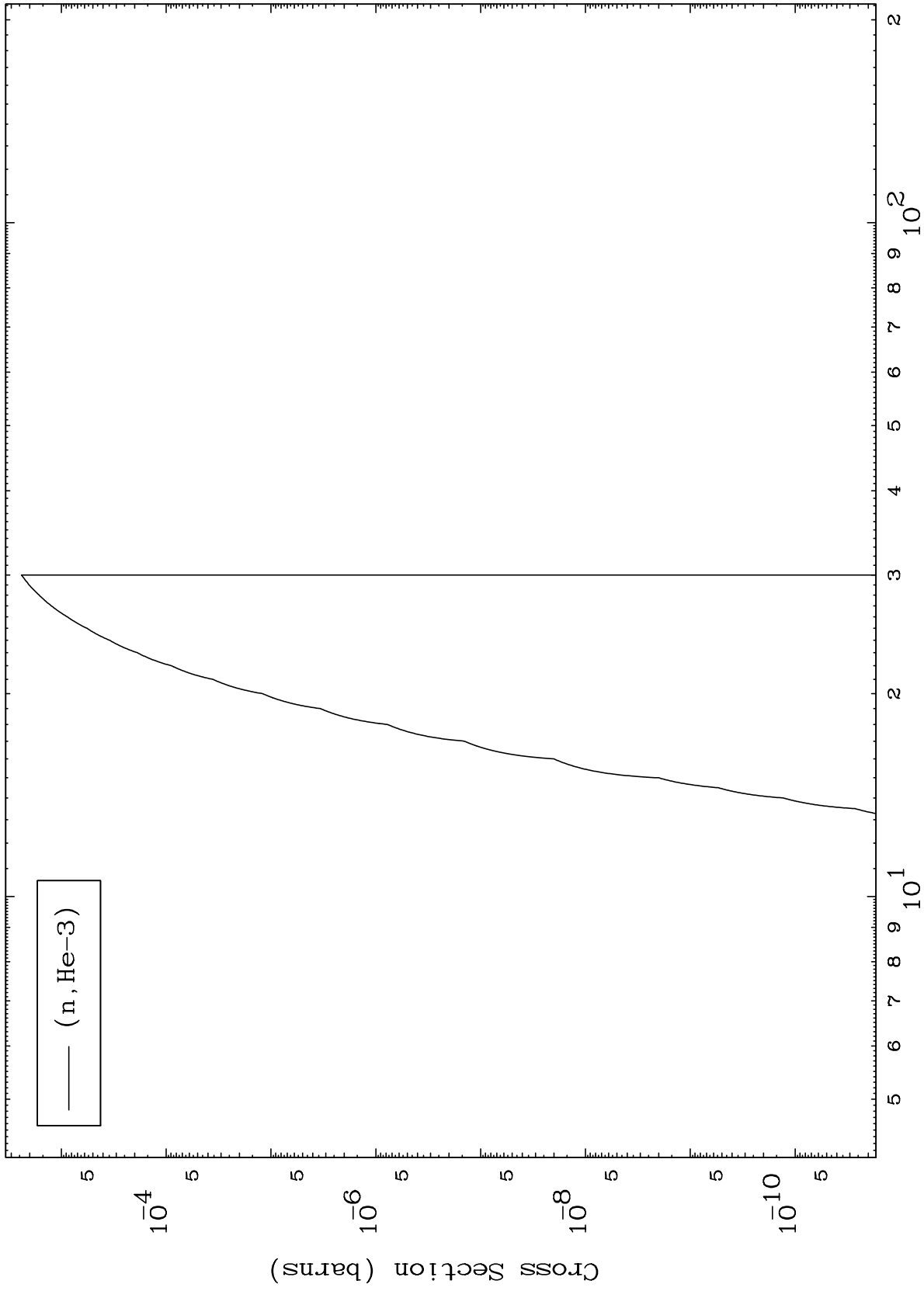
57-La-133



12

Incident Energy (MeV)

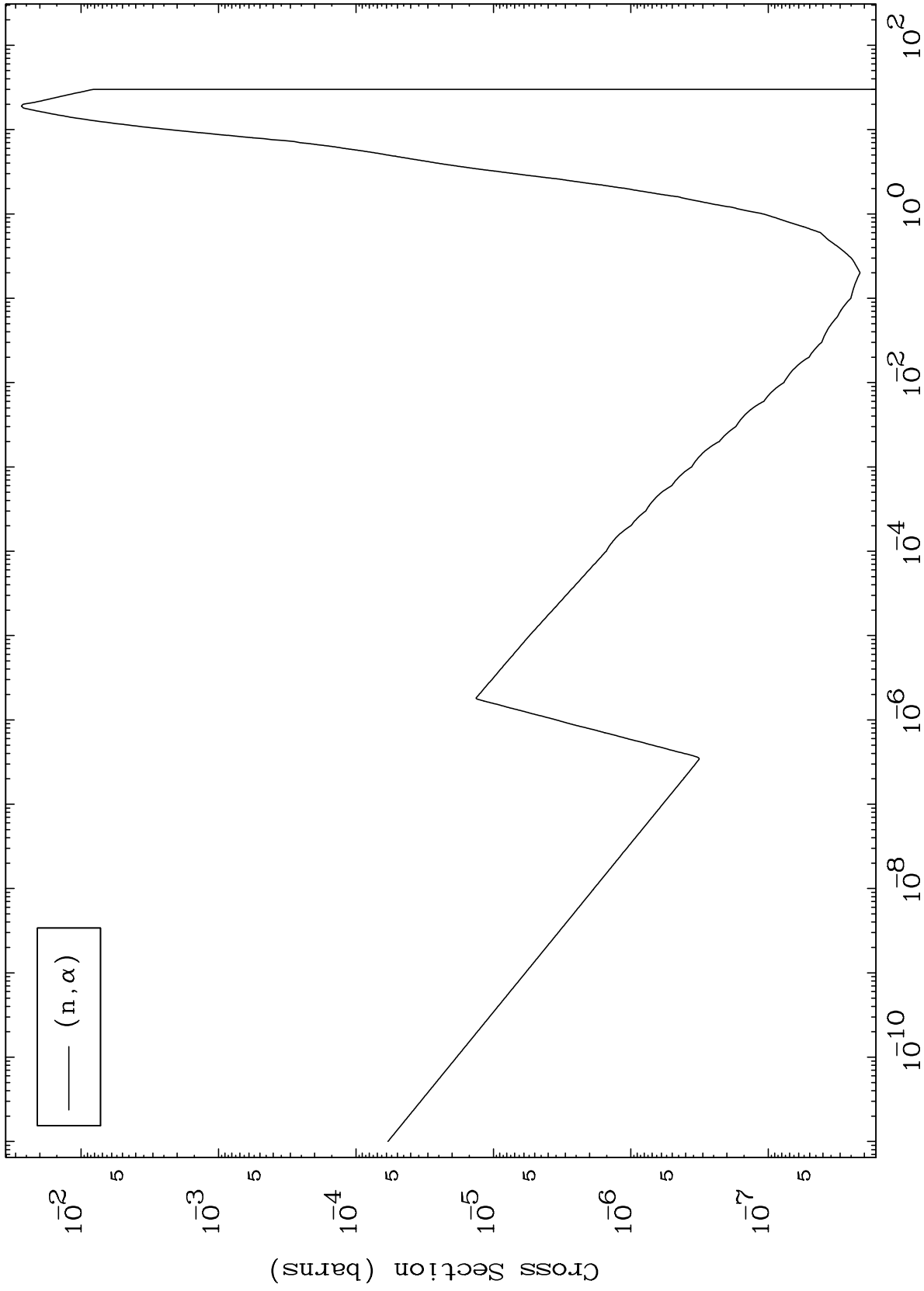
57-La-133



MAT 5710

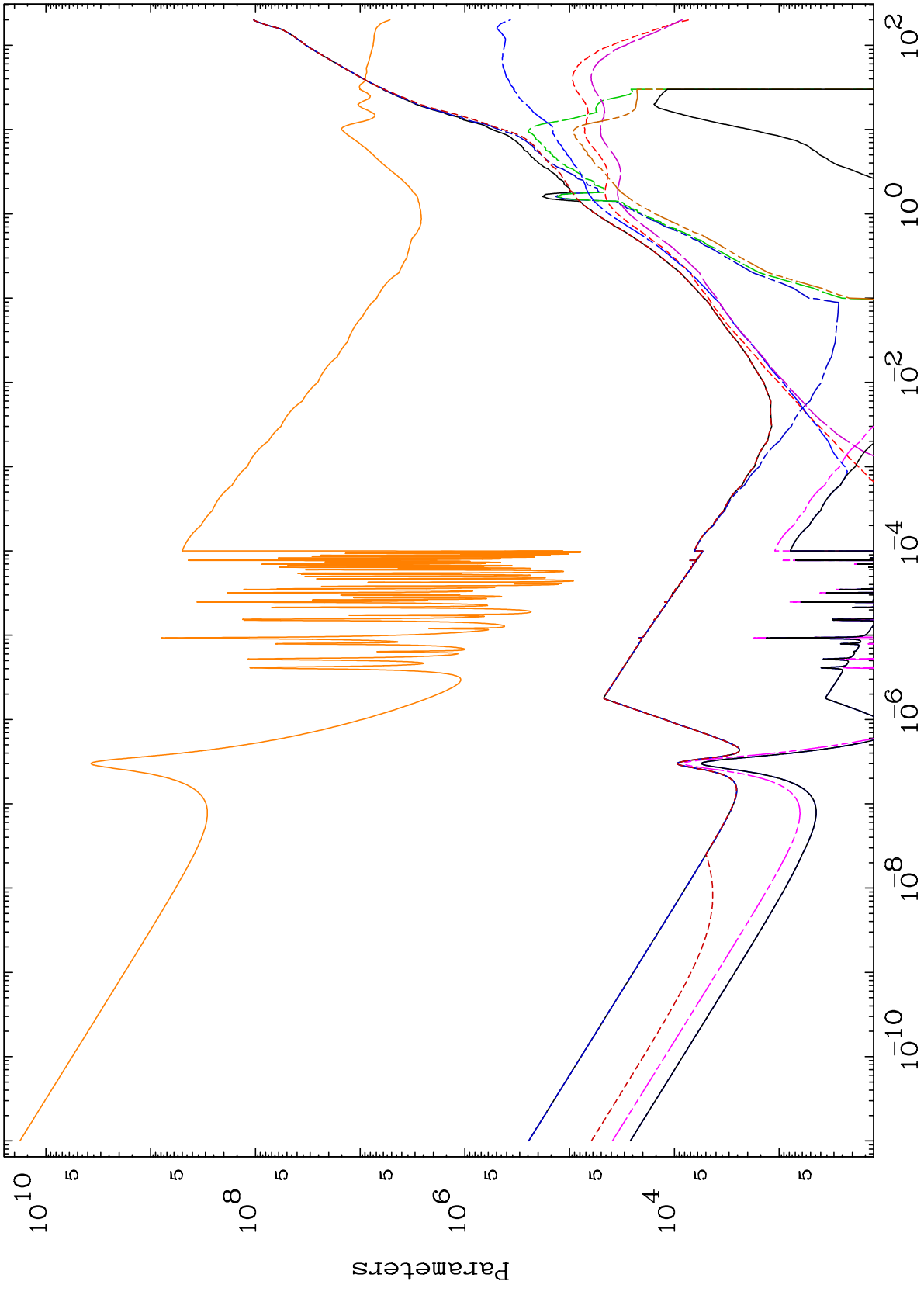
(n,α) Levels
293 Kelvin Cross Sections

57-La-133



--- Dpa total (eV-barns)
 --- Dpa elastic (mt2)
 --- Dpa inelastic (mt51-91)
 --- Dpa disappearance (mt102-120)
 --- MAT 5710
 Energy Release
 Parameters

57-La-133



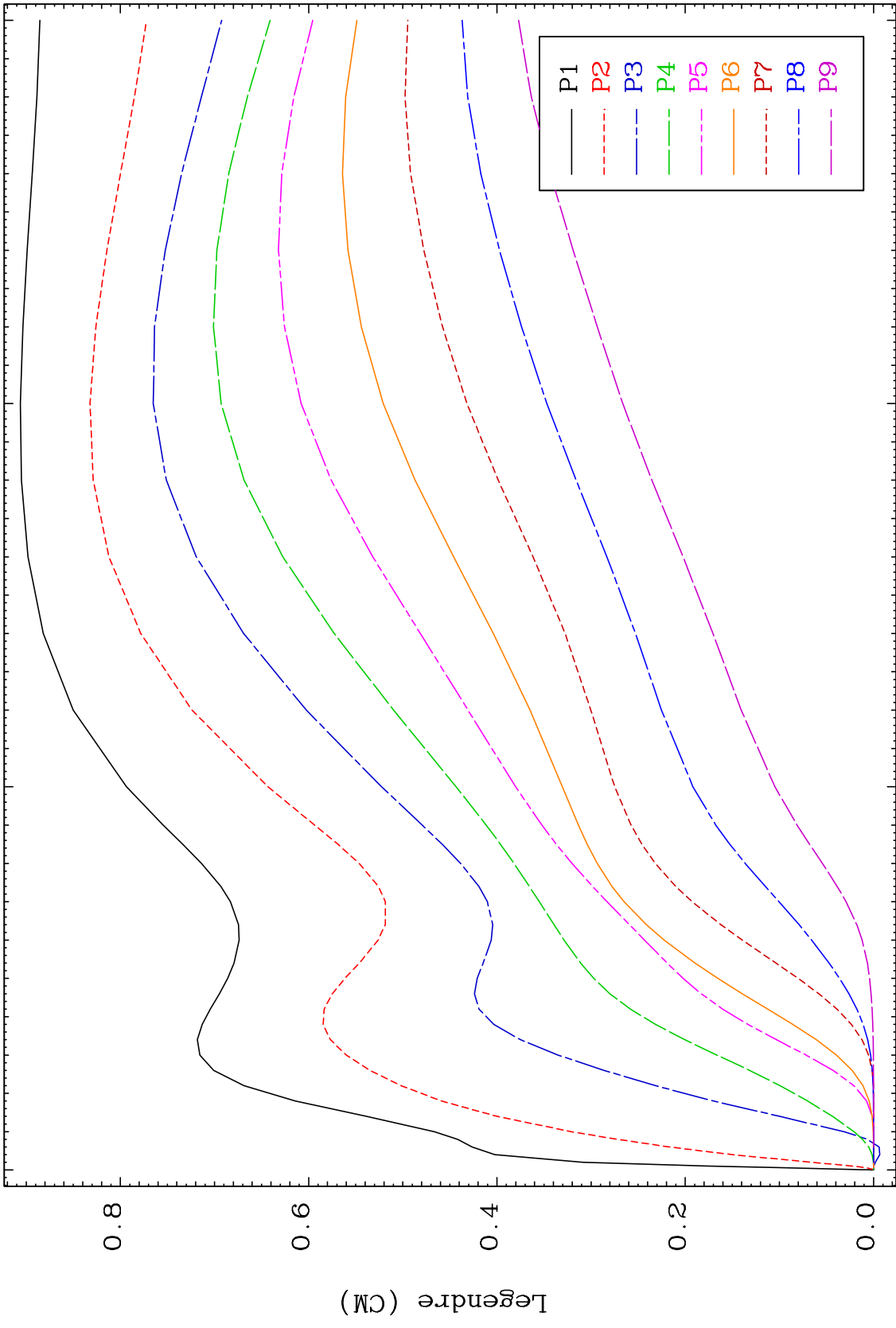
57-La-133

Incident Energy (MeV)

MAT 5710

Elastic Legendre Coefficients

57-La-133



16

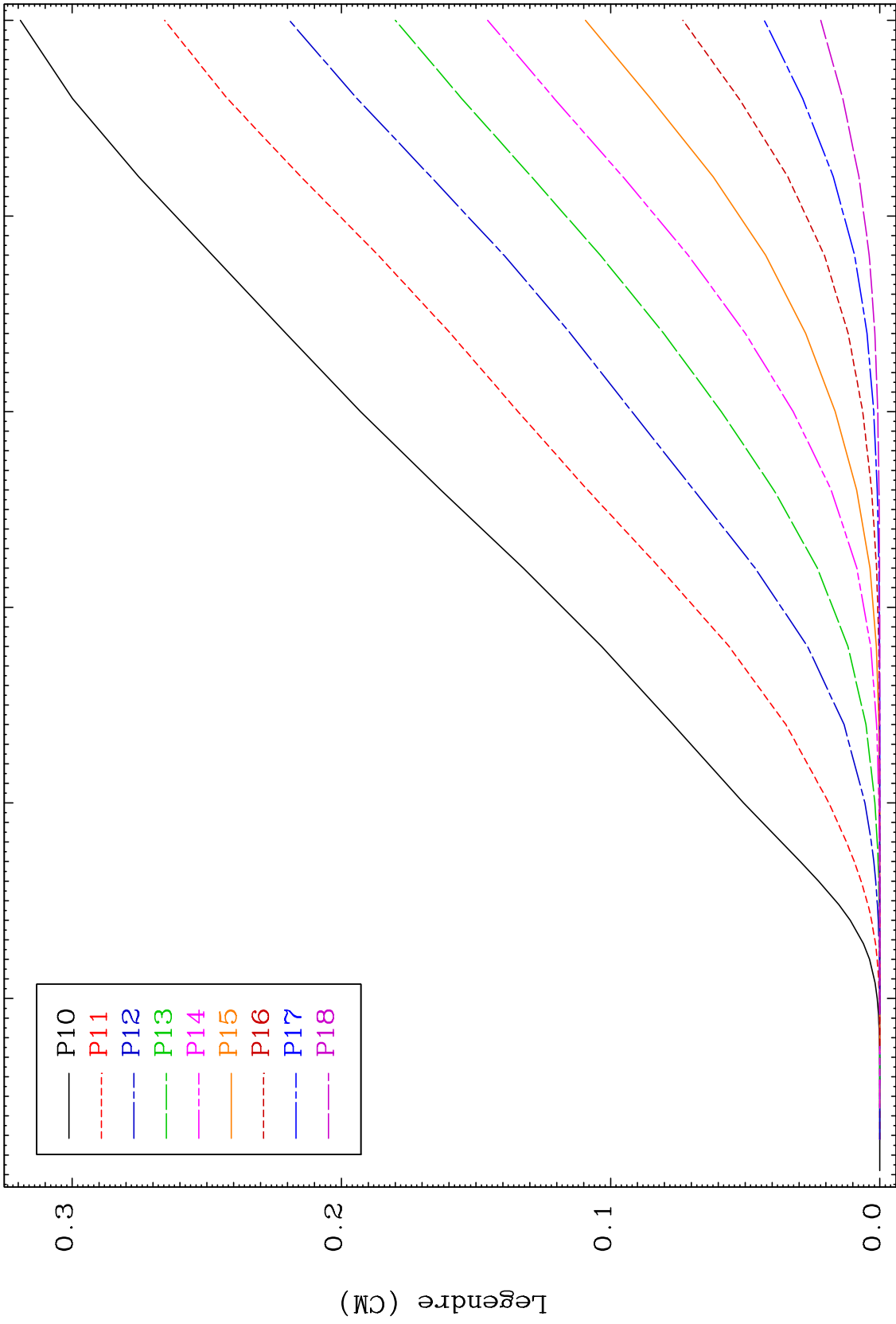
Incident Energy (MeV)

57-La-133

MAT 5710

Elastic Legendre Coefficients

57-La-133



17

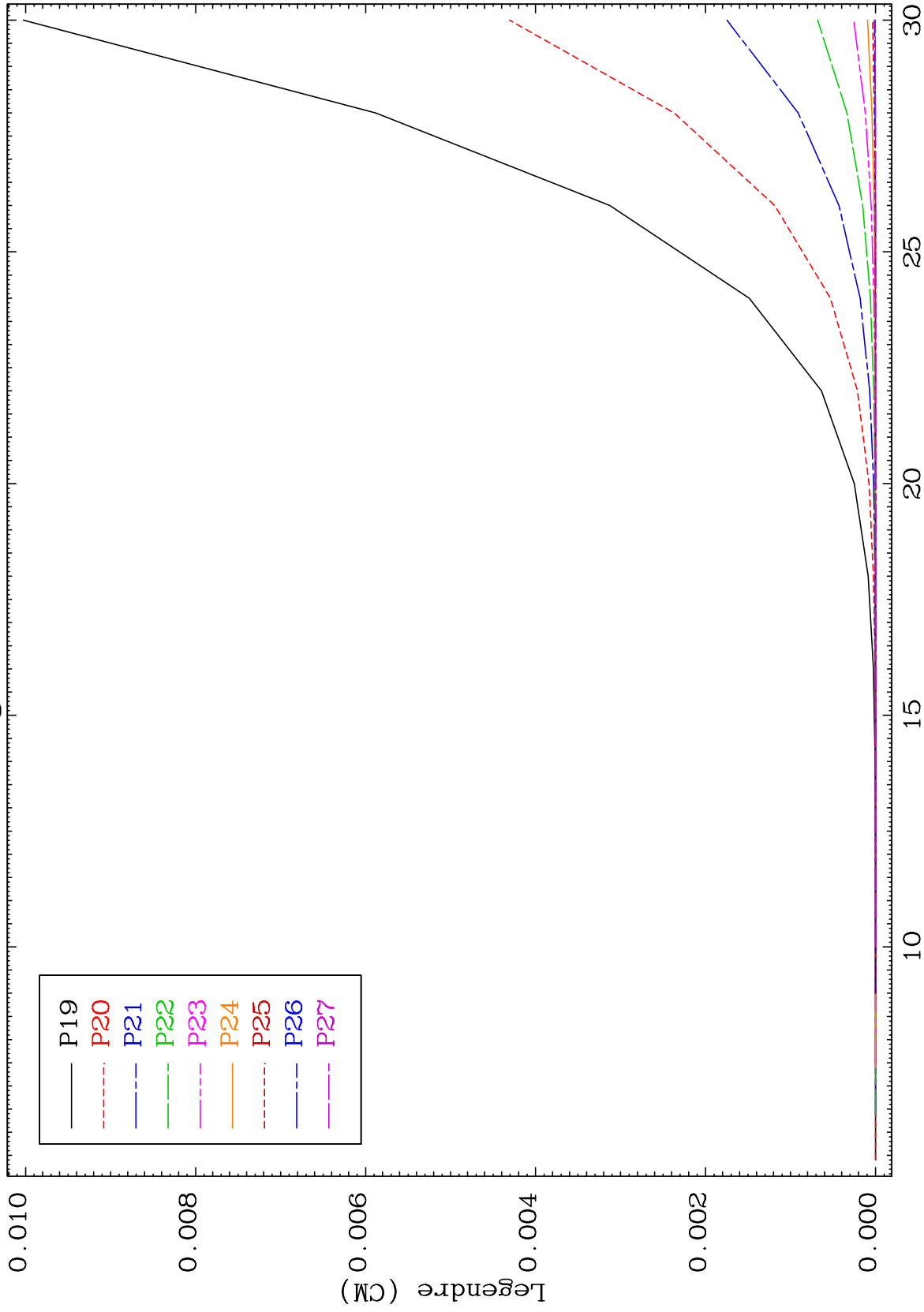
Incident Energy (MeV)

57-La-133

MAT 5710

Elastic Legendre Coefficients

57-La-133



18

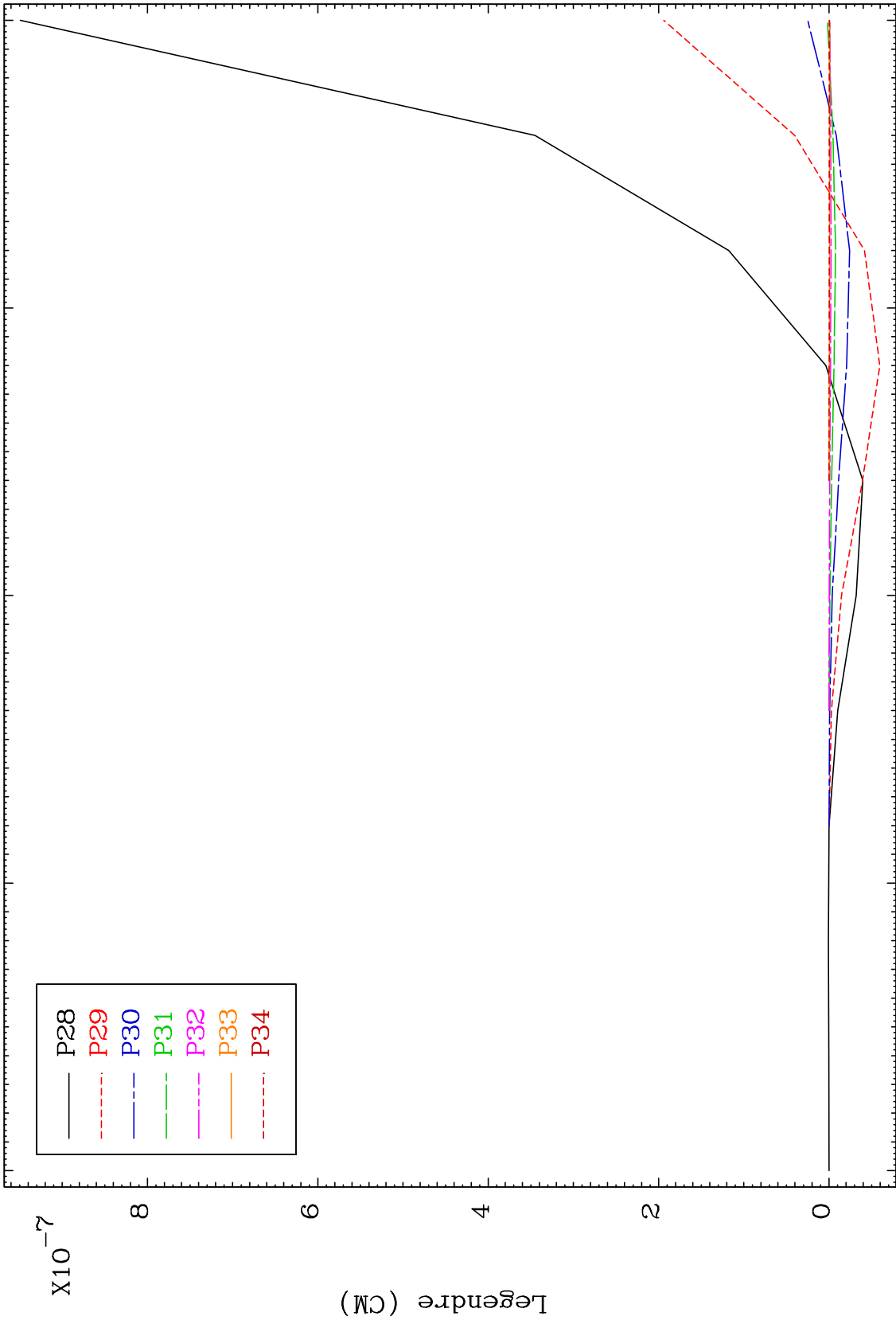
Incident Energy (MeV)

57-La-133

MAT 5710

Elastic Legendre Coefficients

57-La-133



19

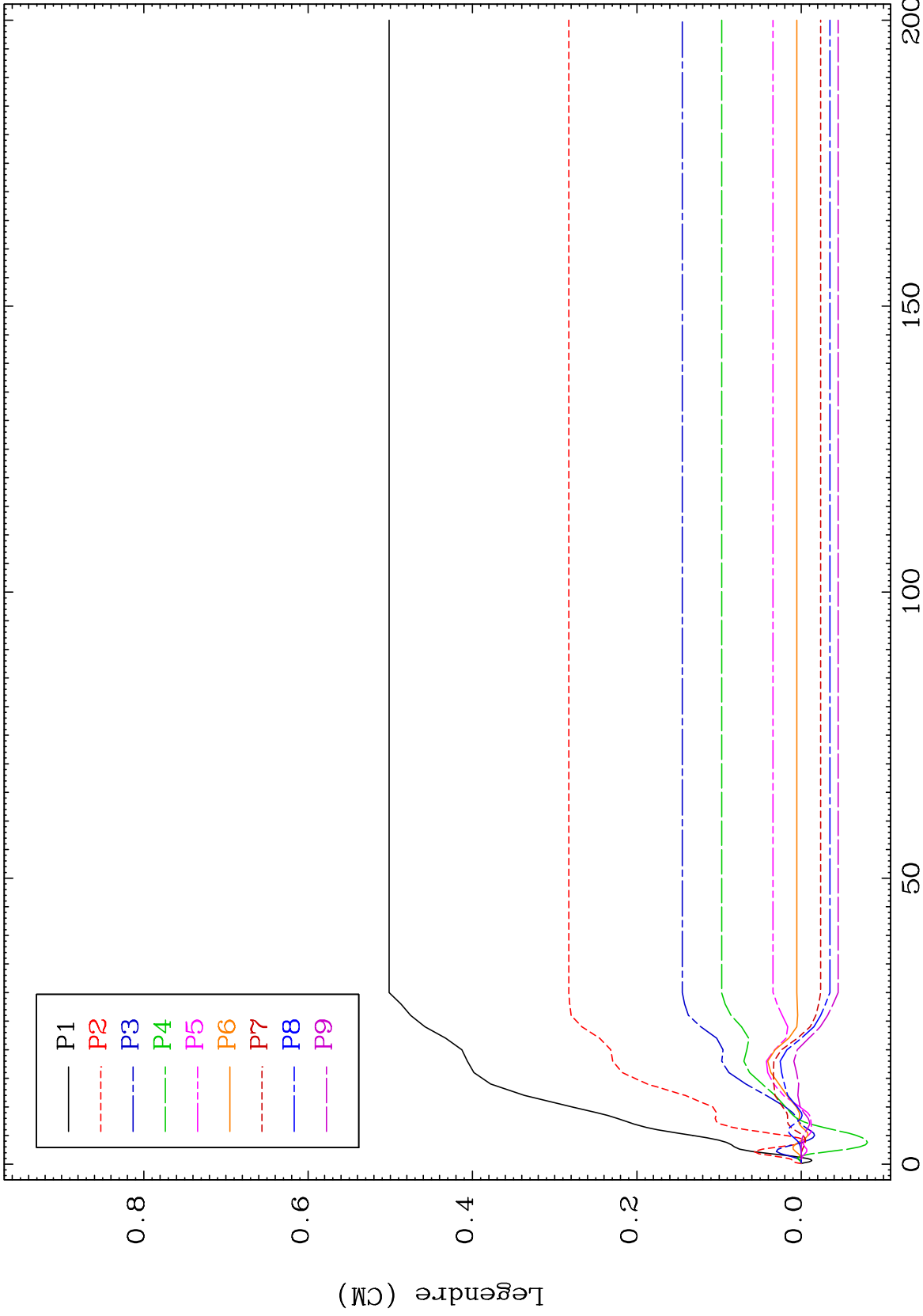
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



20

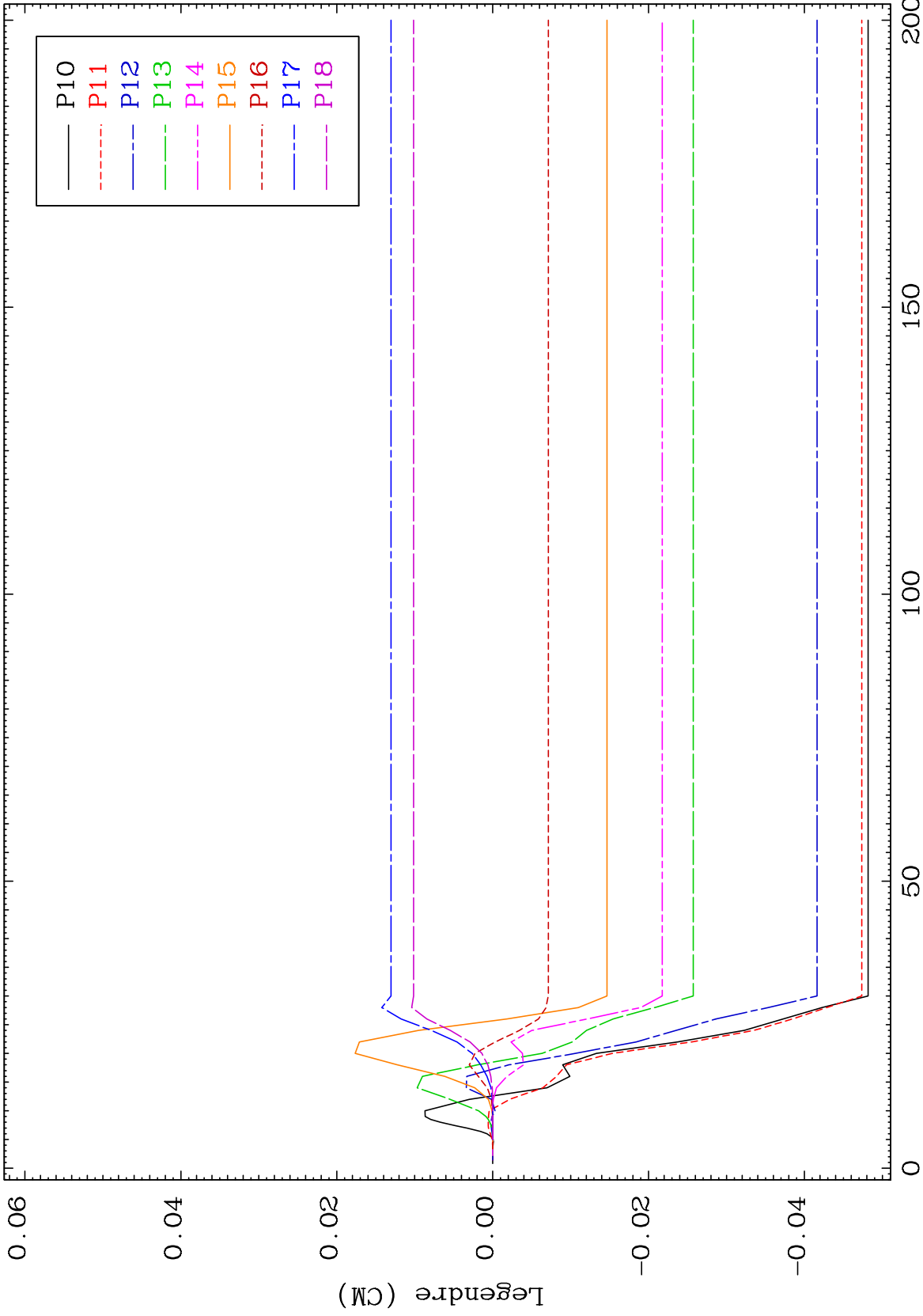
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



21

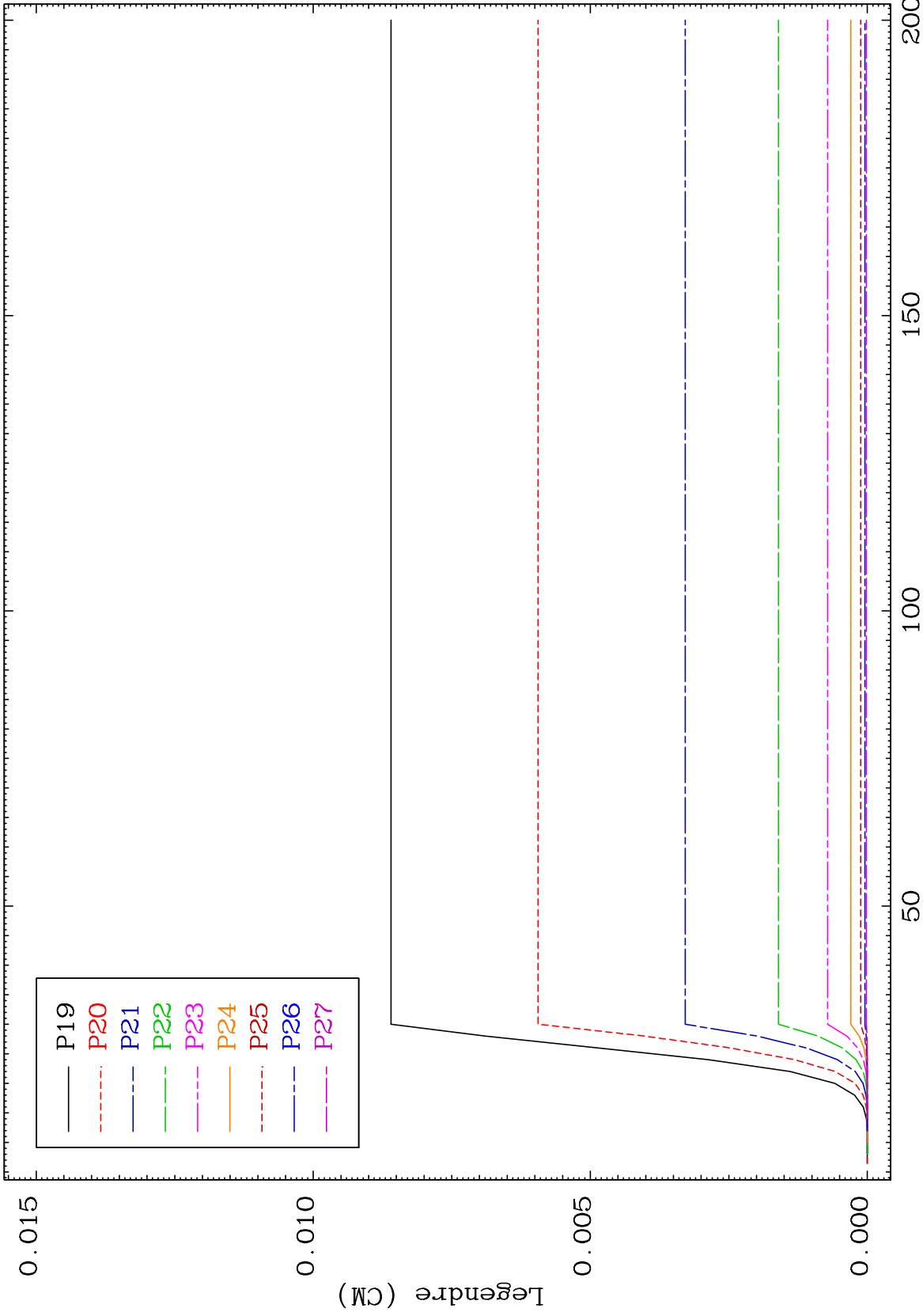
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



22

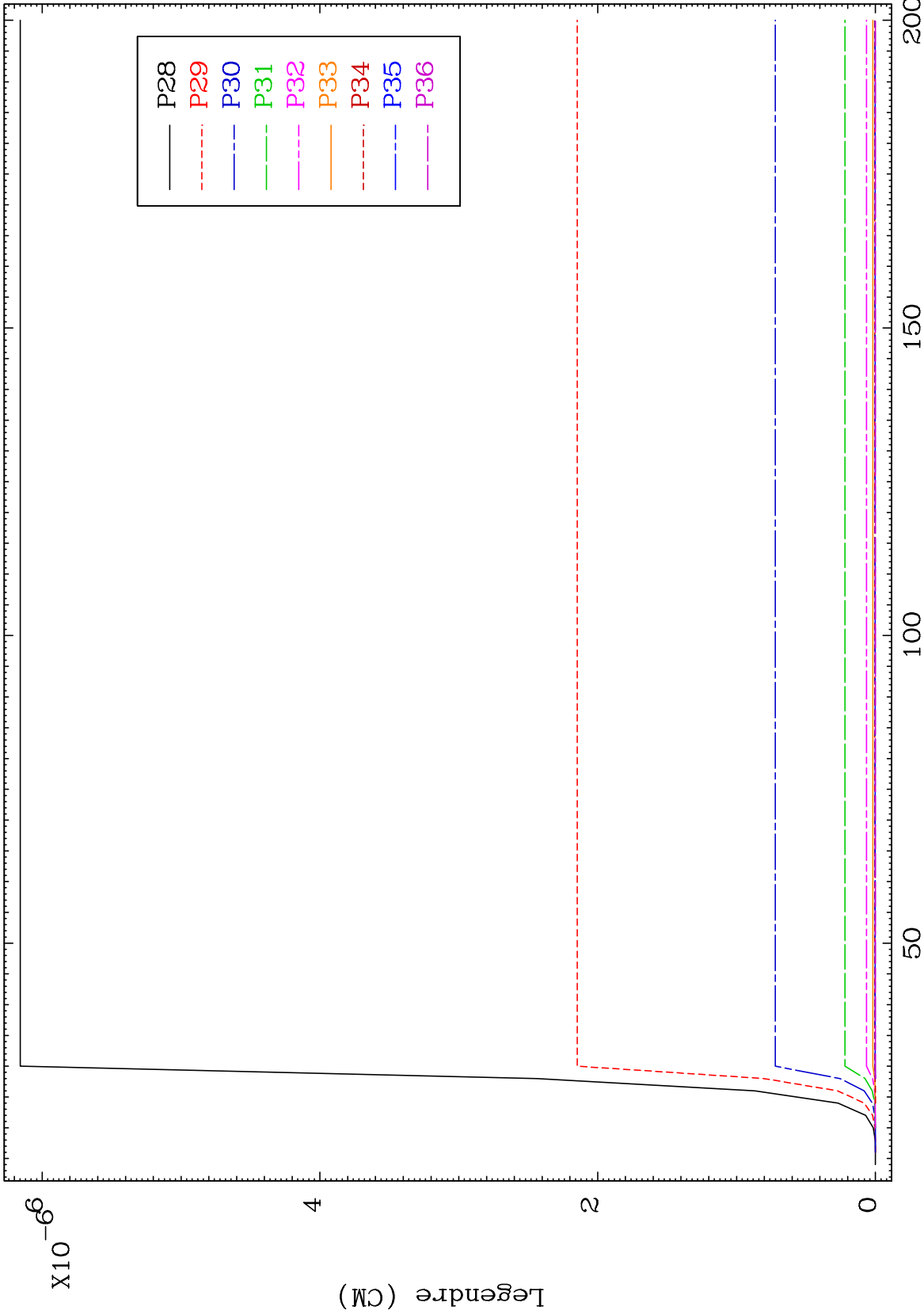
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



23

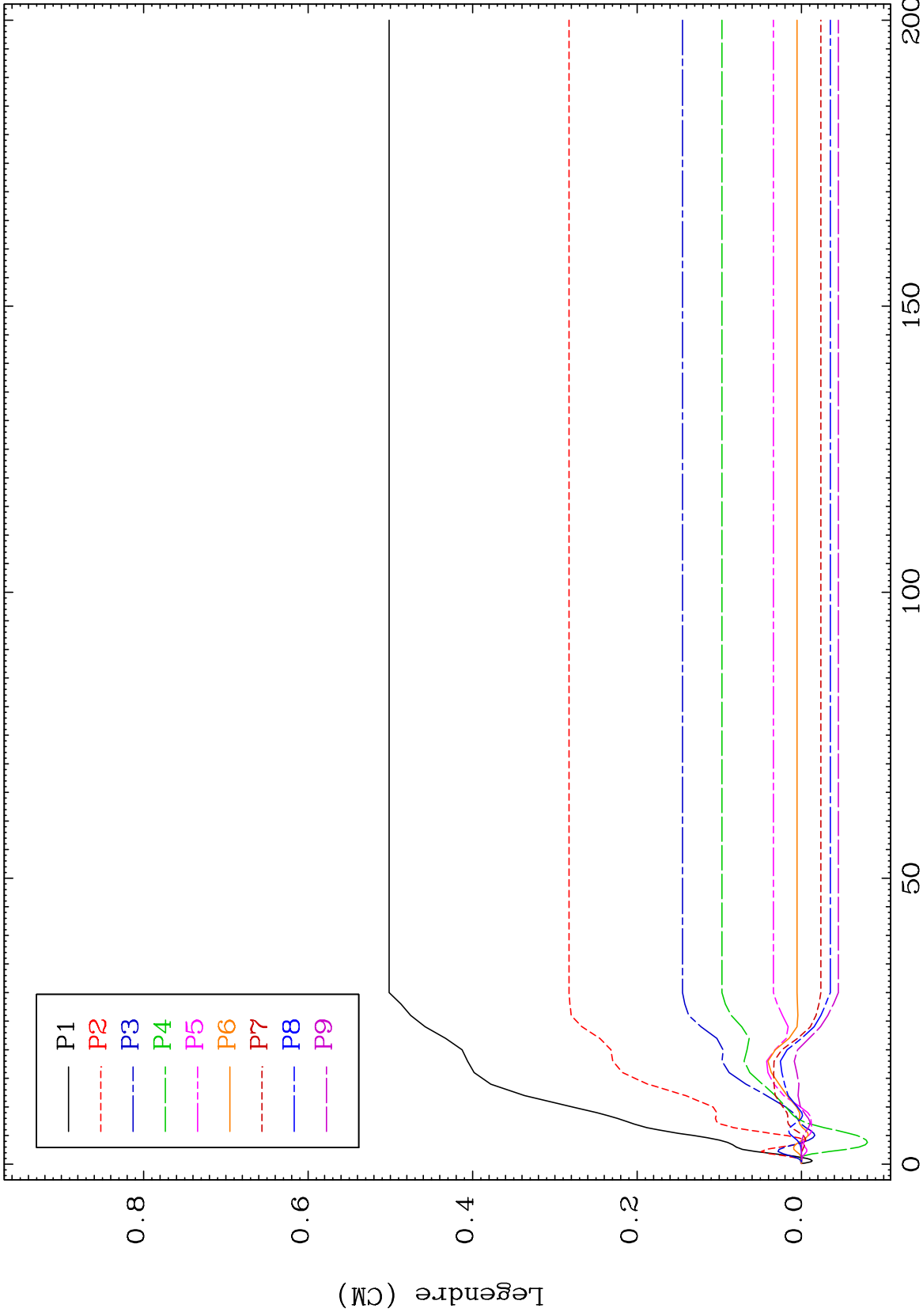
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



24

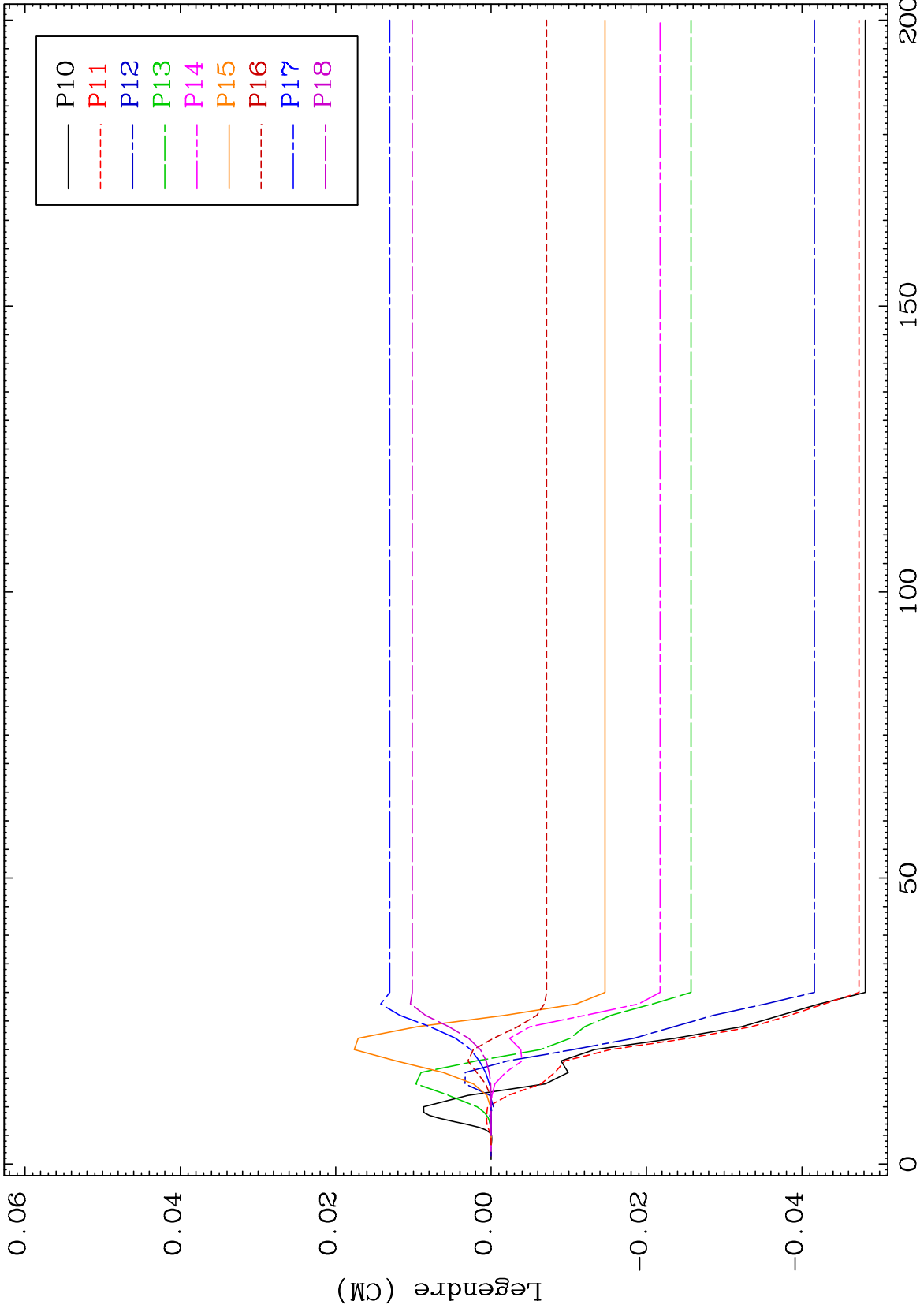
Incident Energy (MeV)

57-La-133

MAT 5710

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

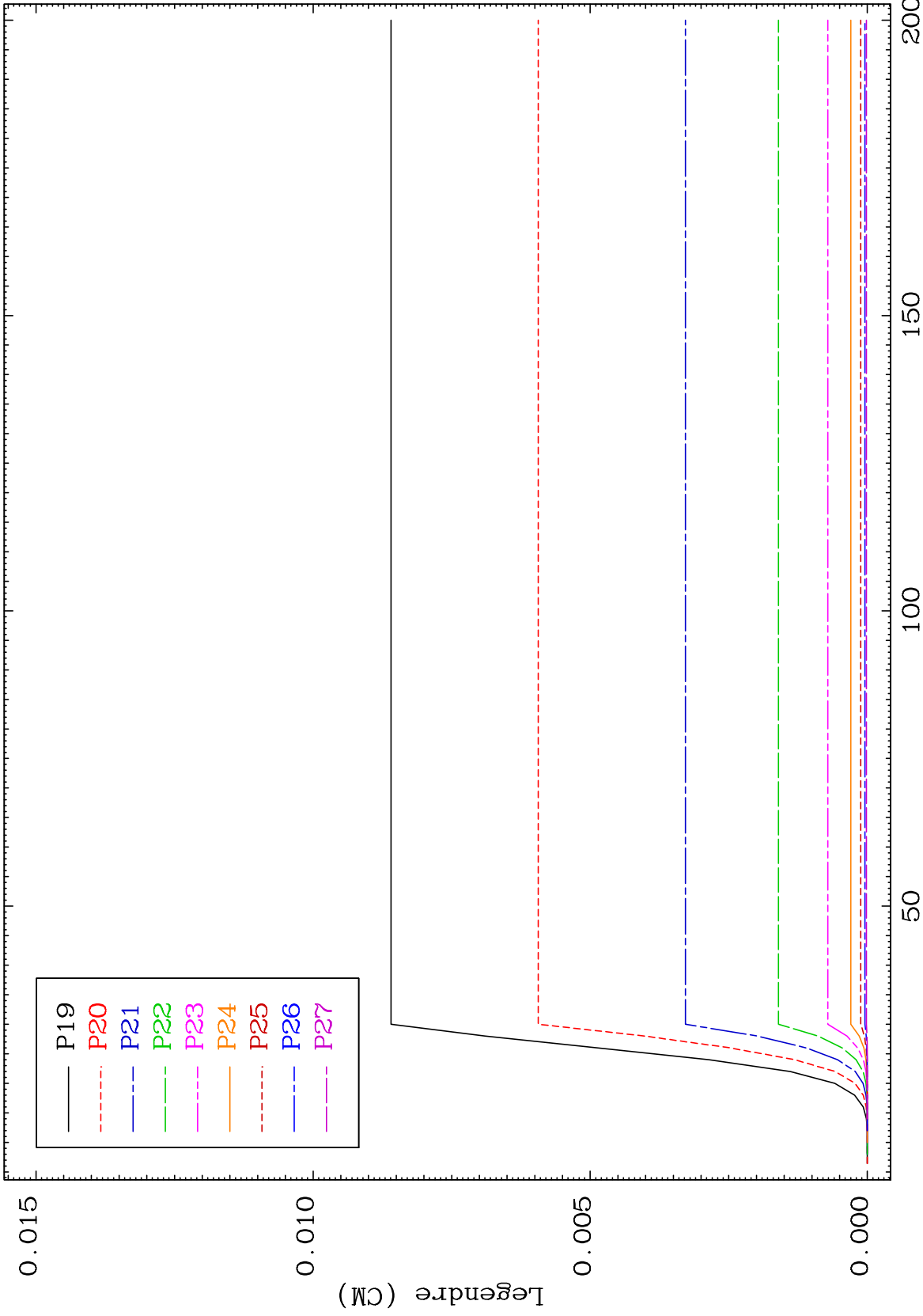
57-La-133



25

Incident Energy (MeV)

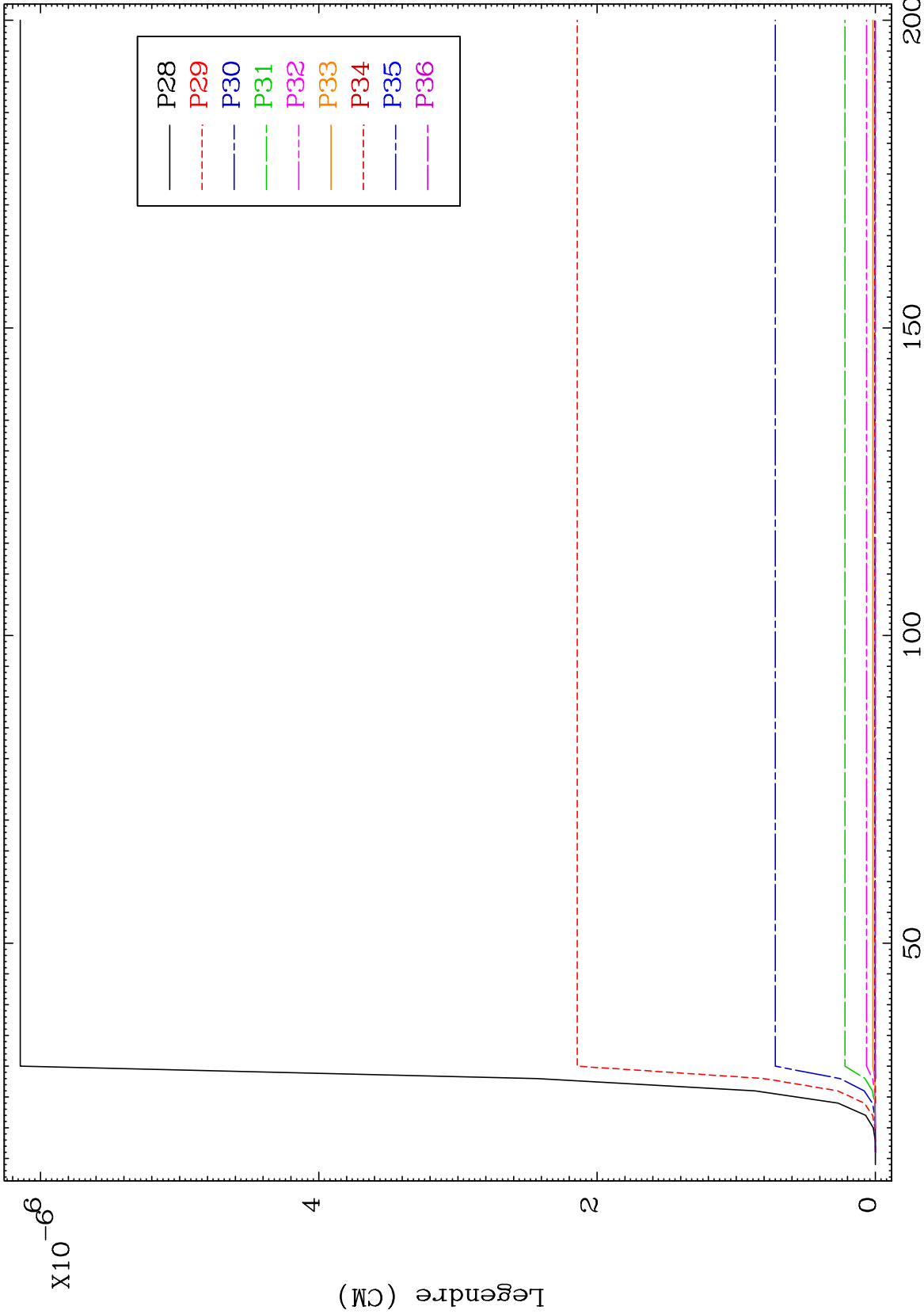
57-La-133



MAT 5710

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

57-La-133



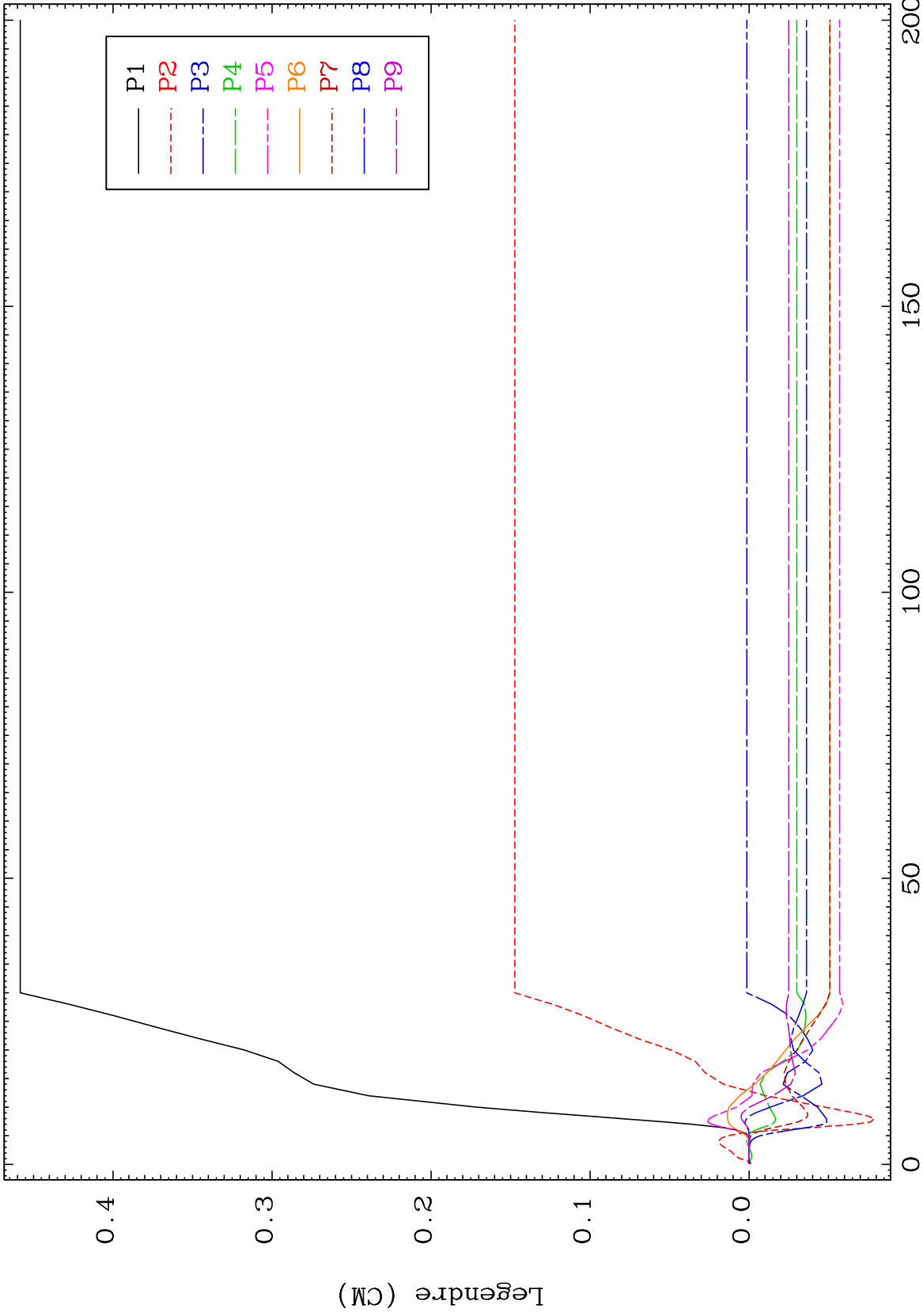
27

57-La-133

MAT 5710

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

57-La-133



28

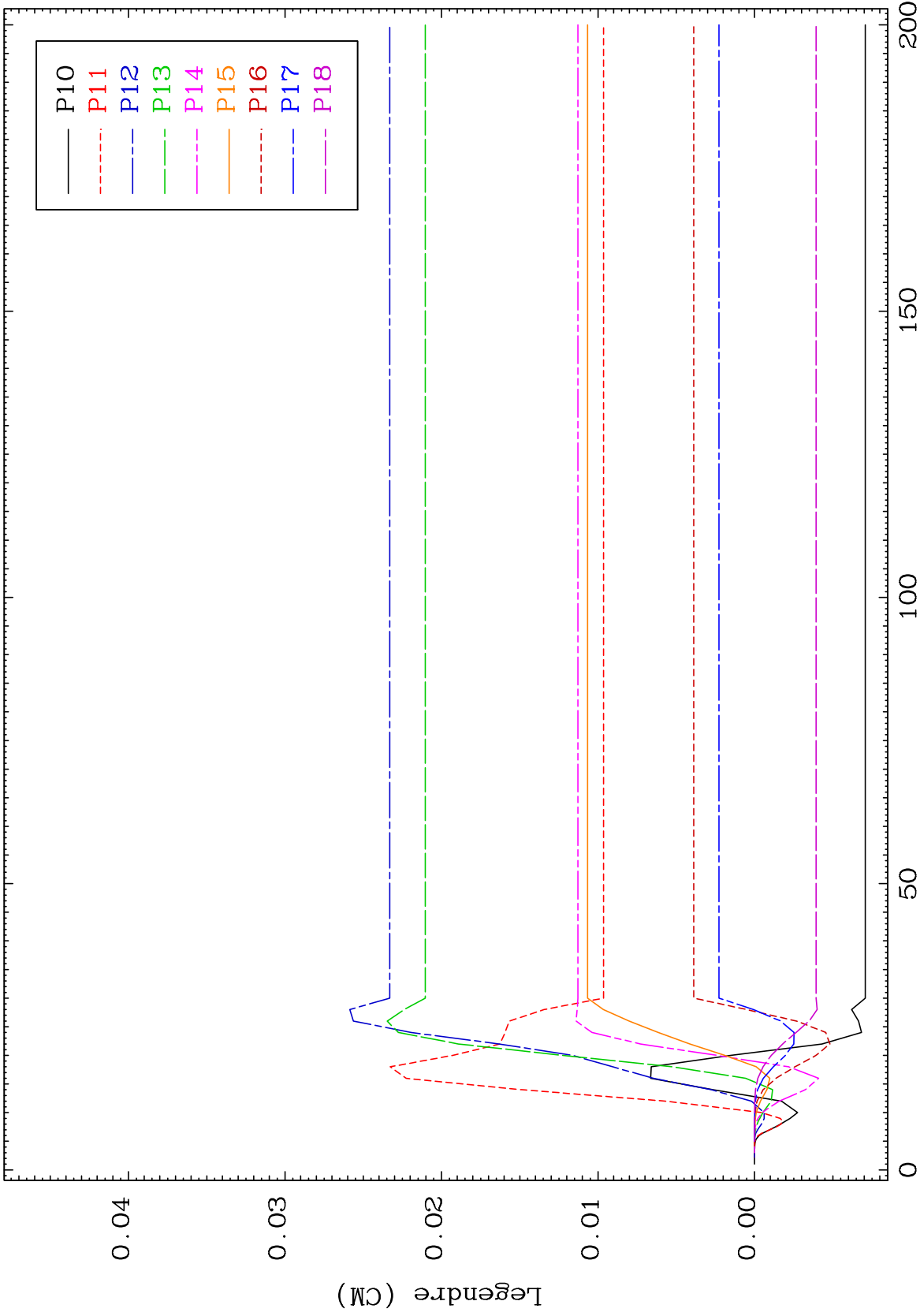
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



29

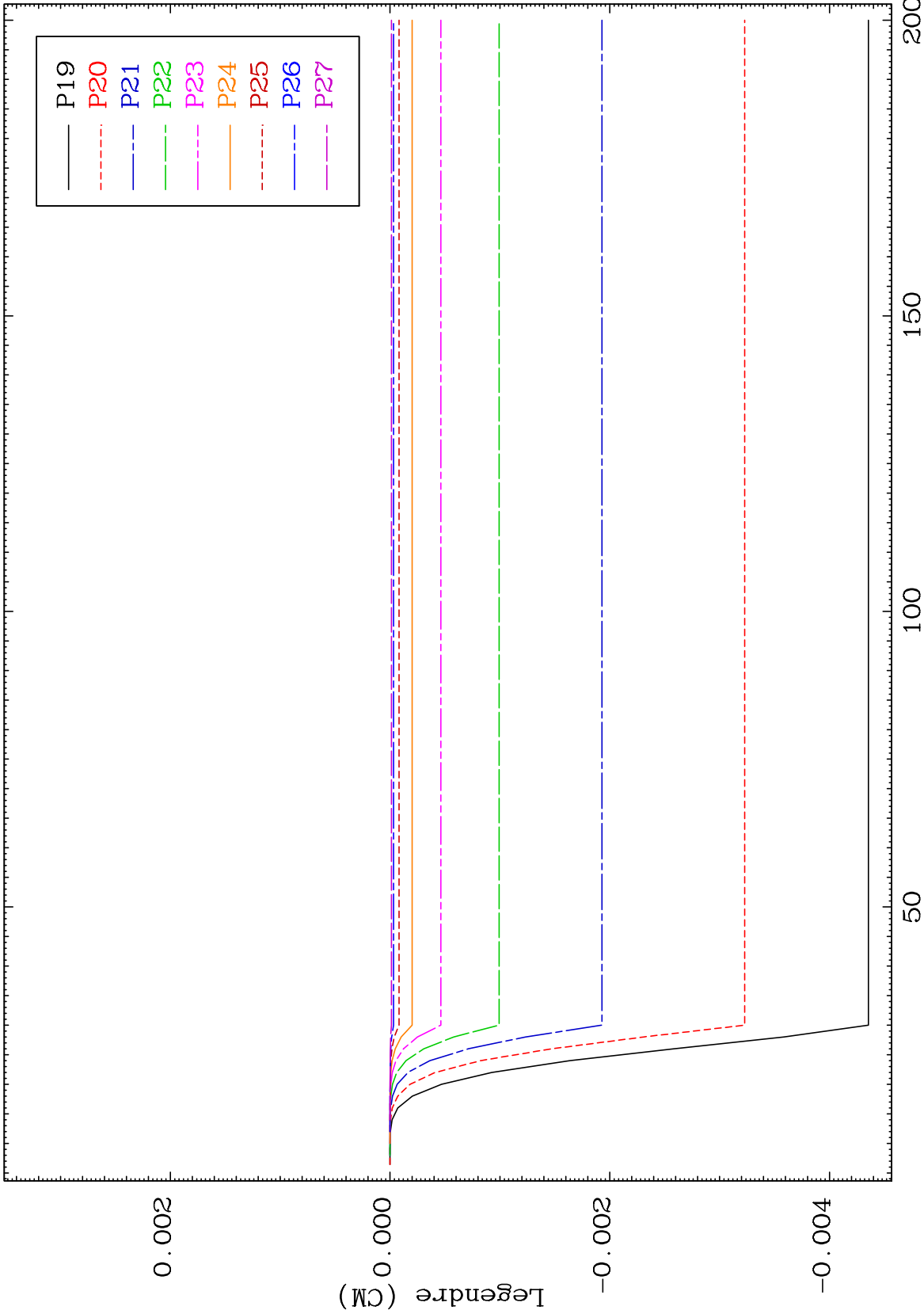
Incident Energy (MeV)

57-La-133

MAT 5710

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

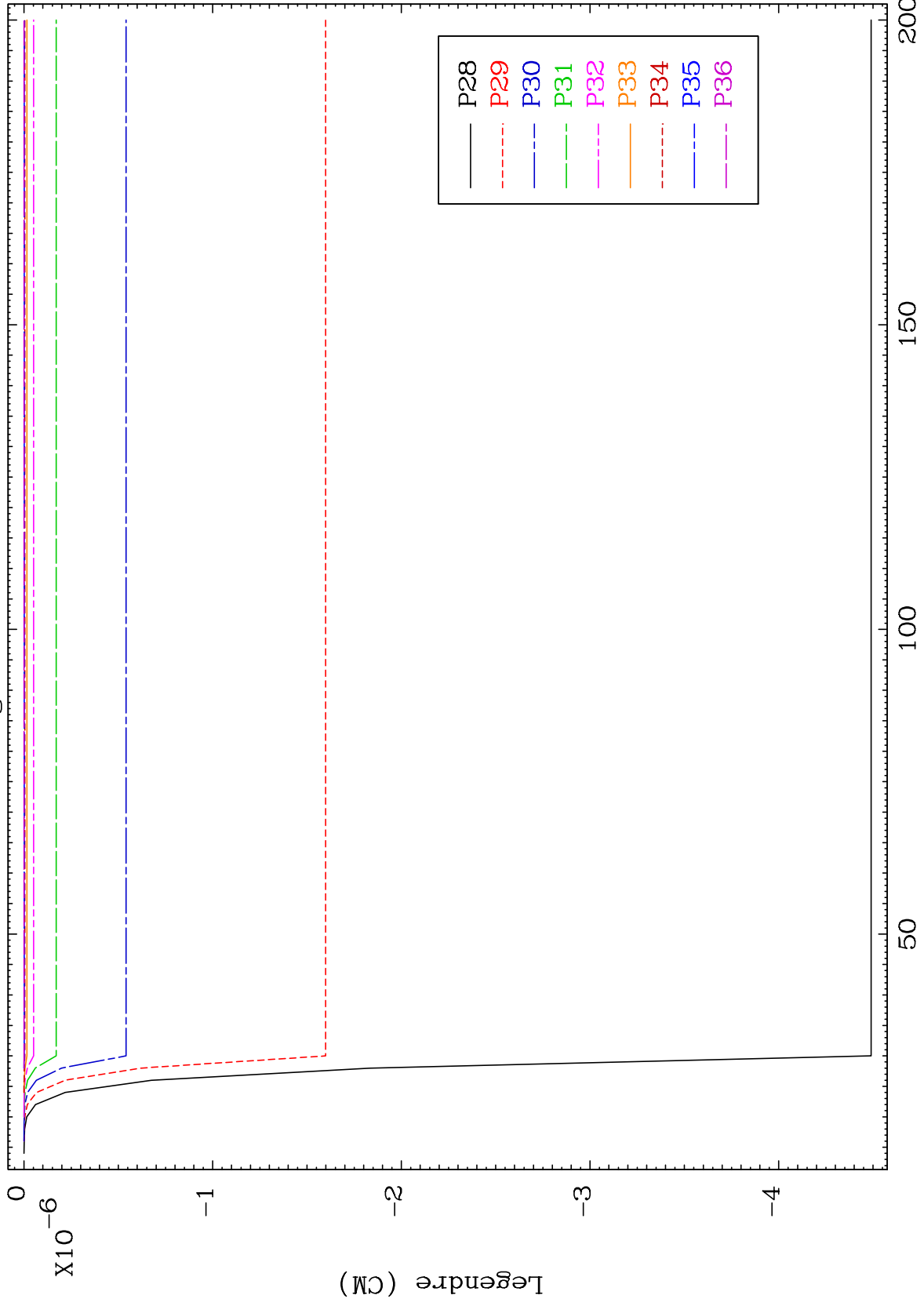
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30

Incident Energy (MeV)

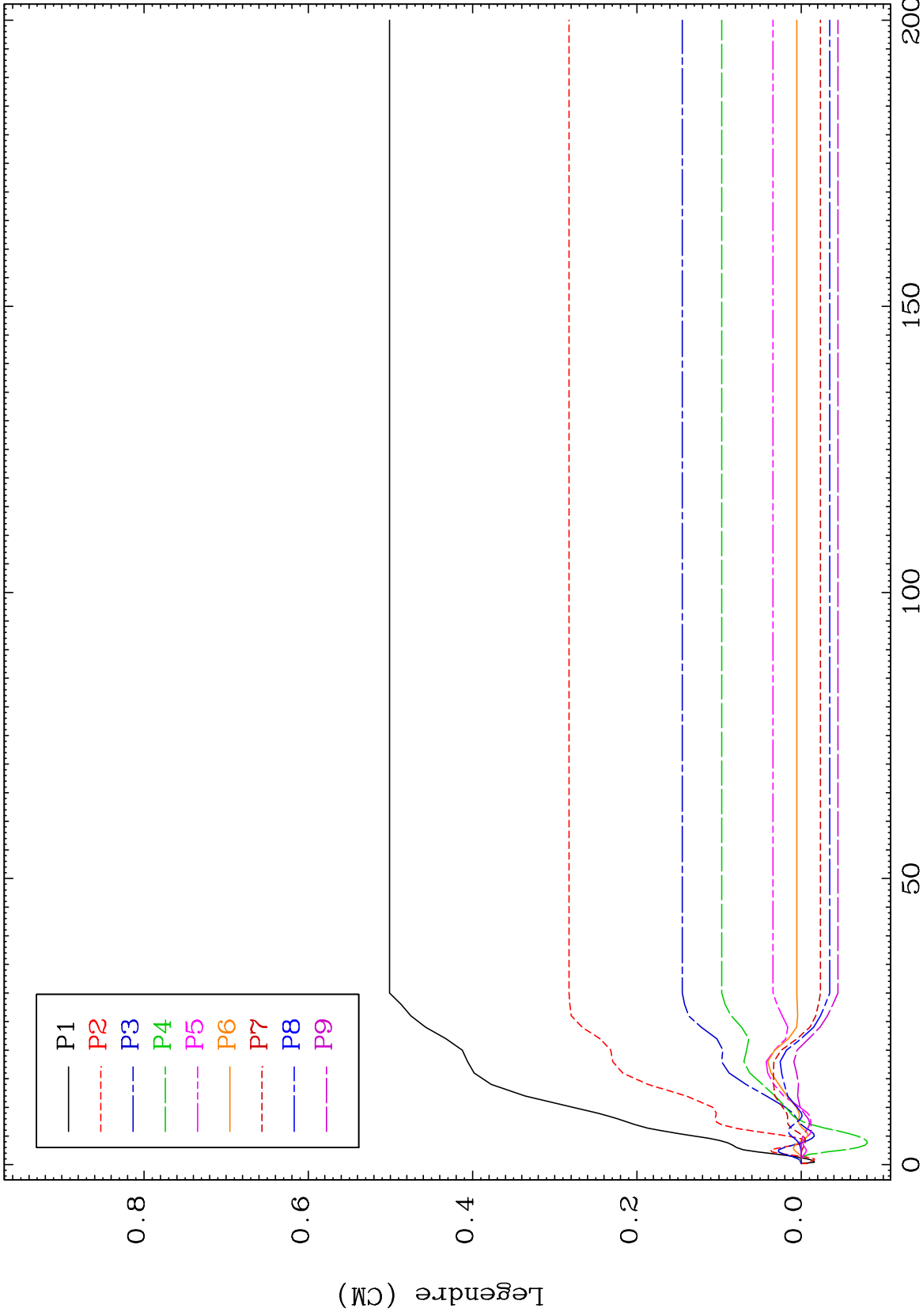
57-La-133



MAT 5710

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

57-La-133



32

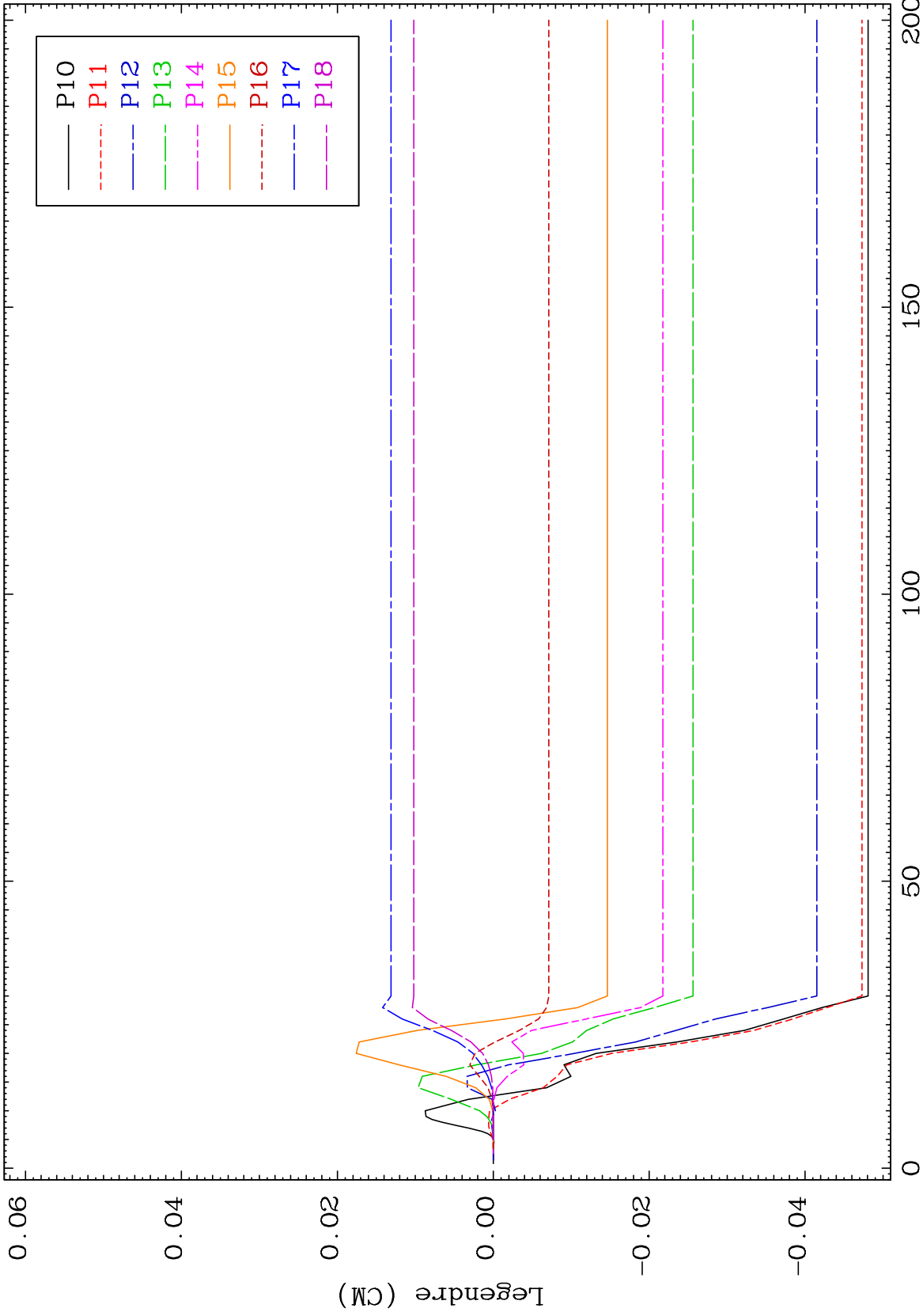
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



33

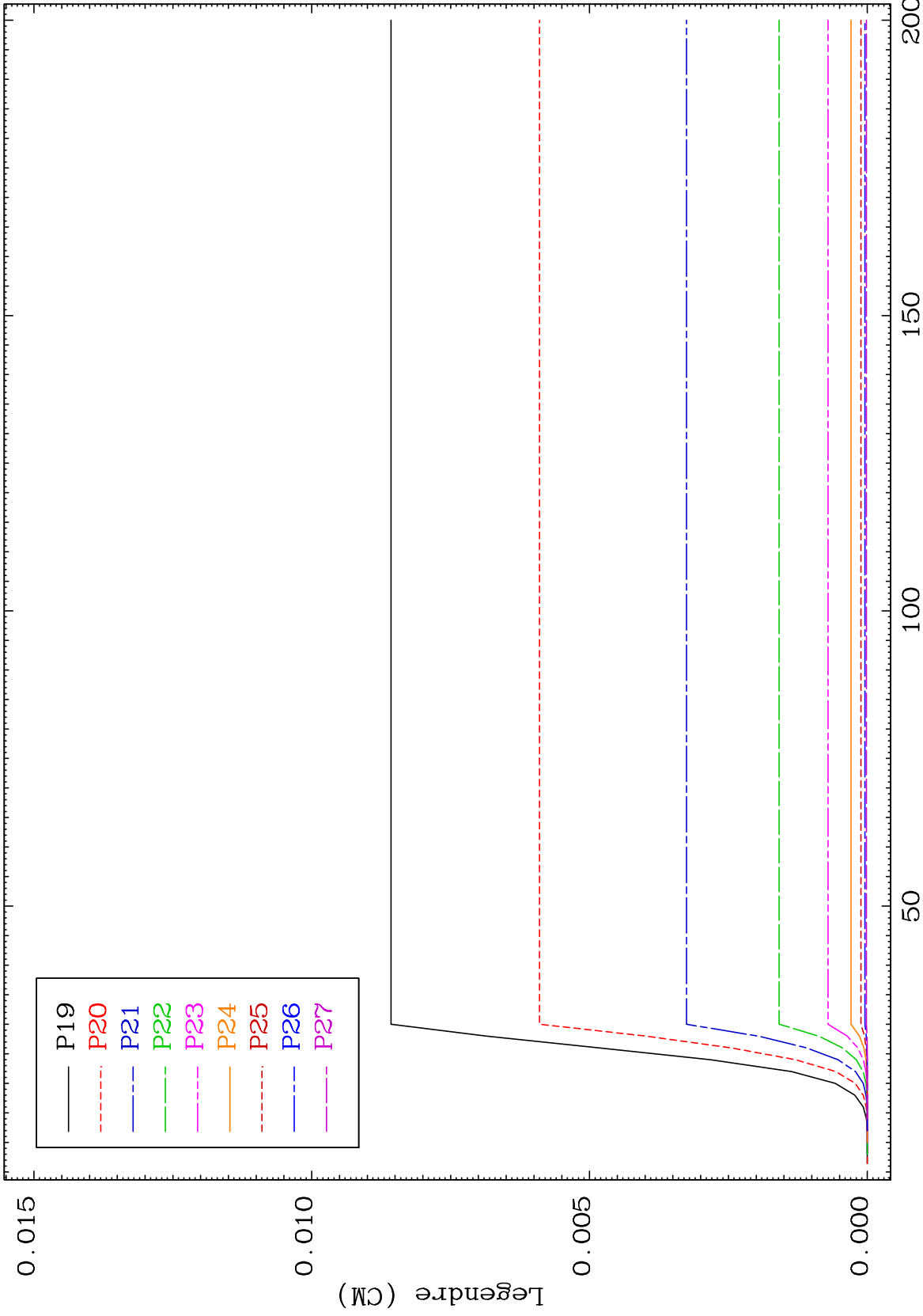
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



34

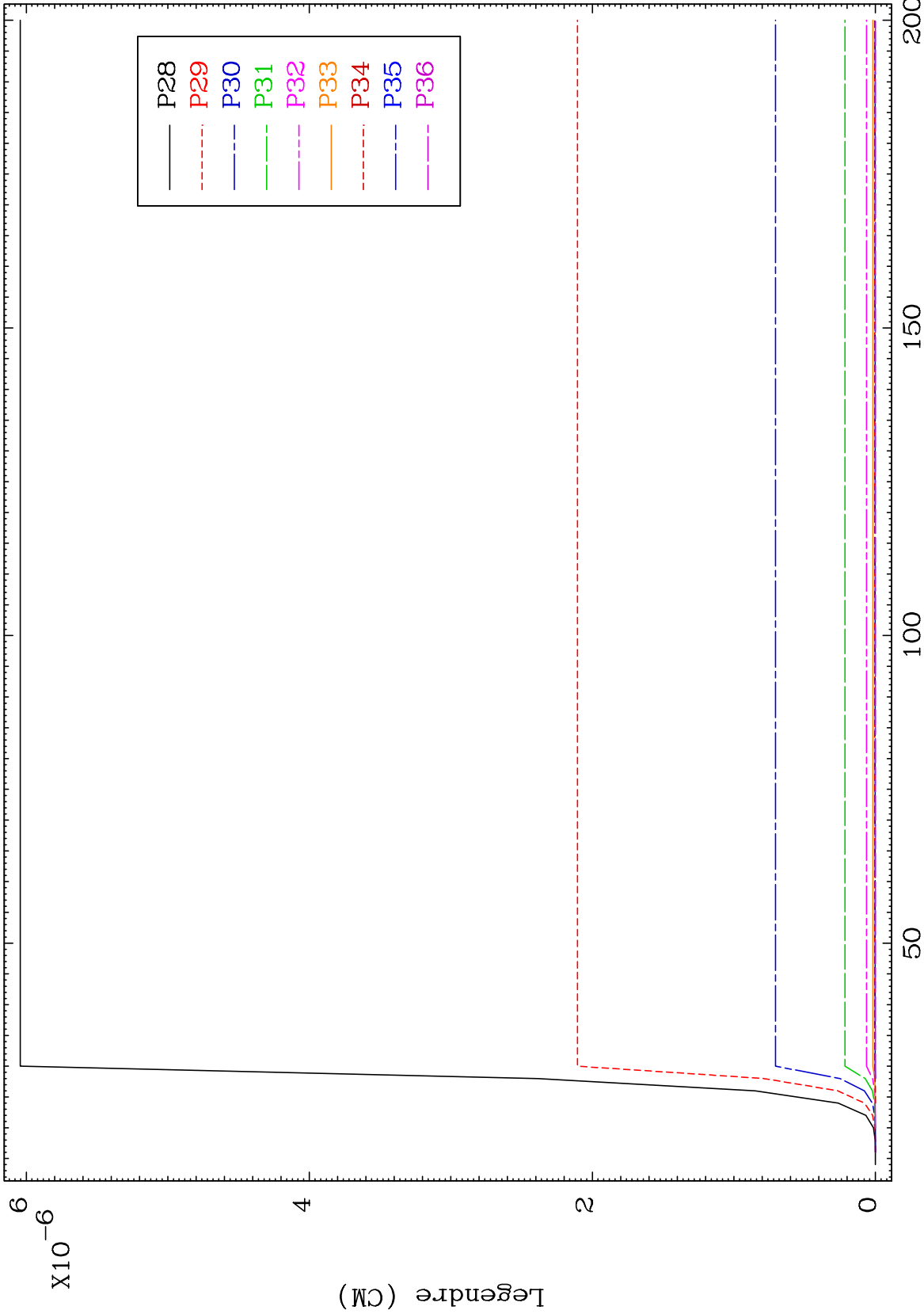
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



35

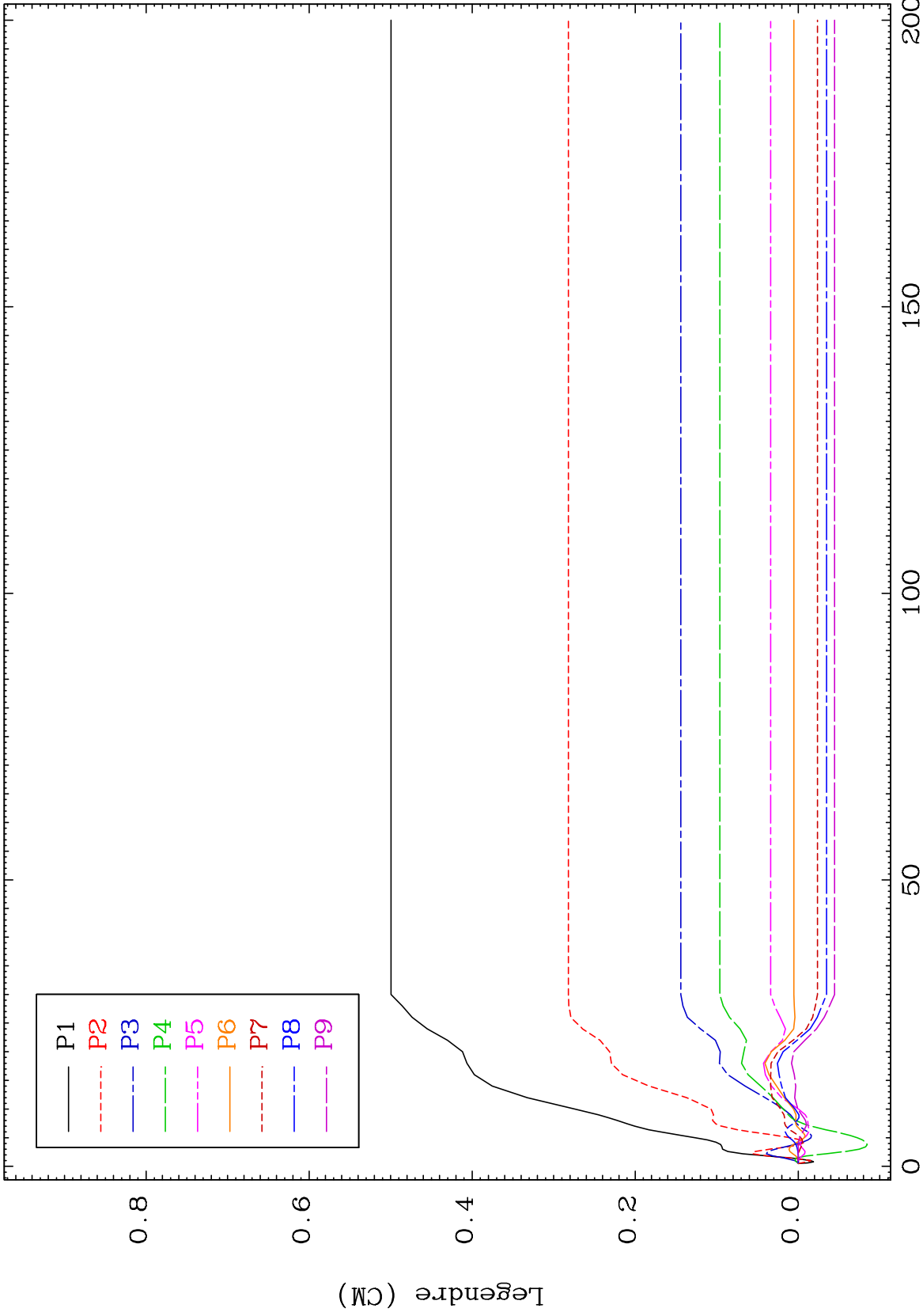
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



36

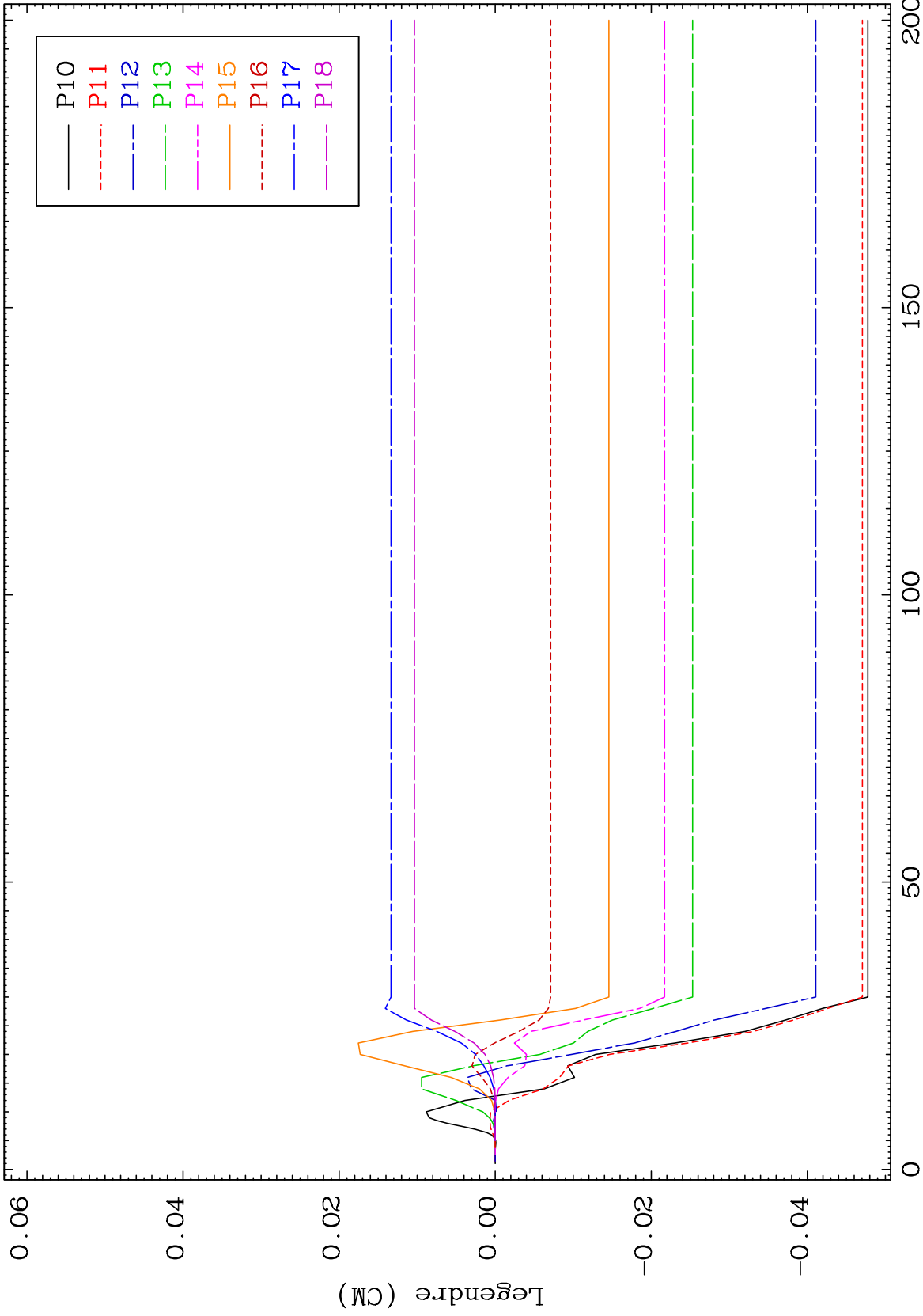
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



37

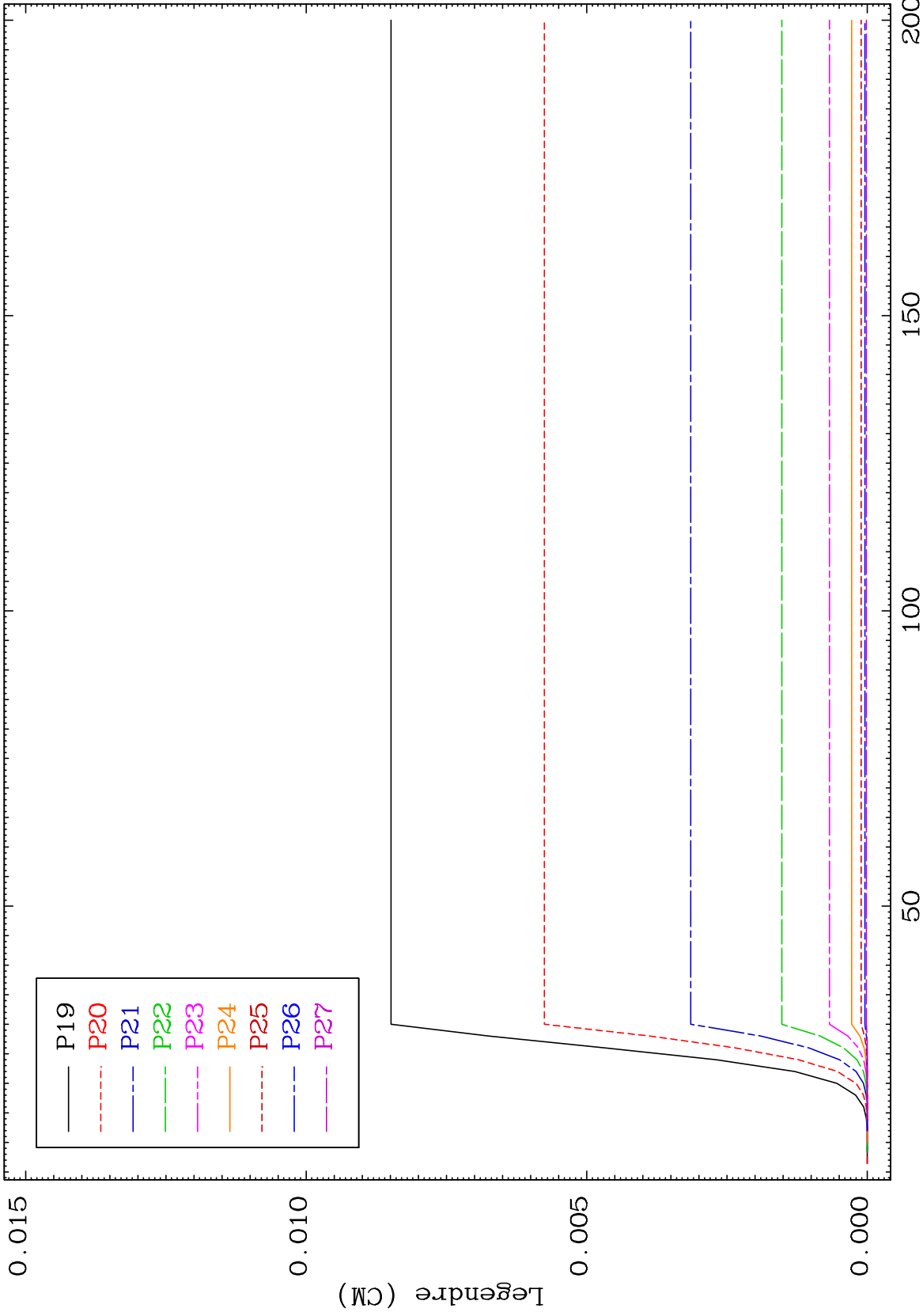
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



38

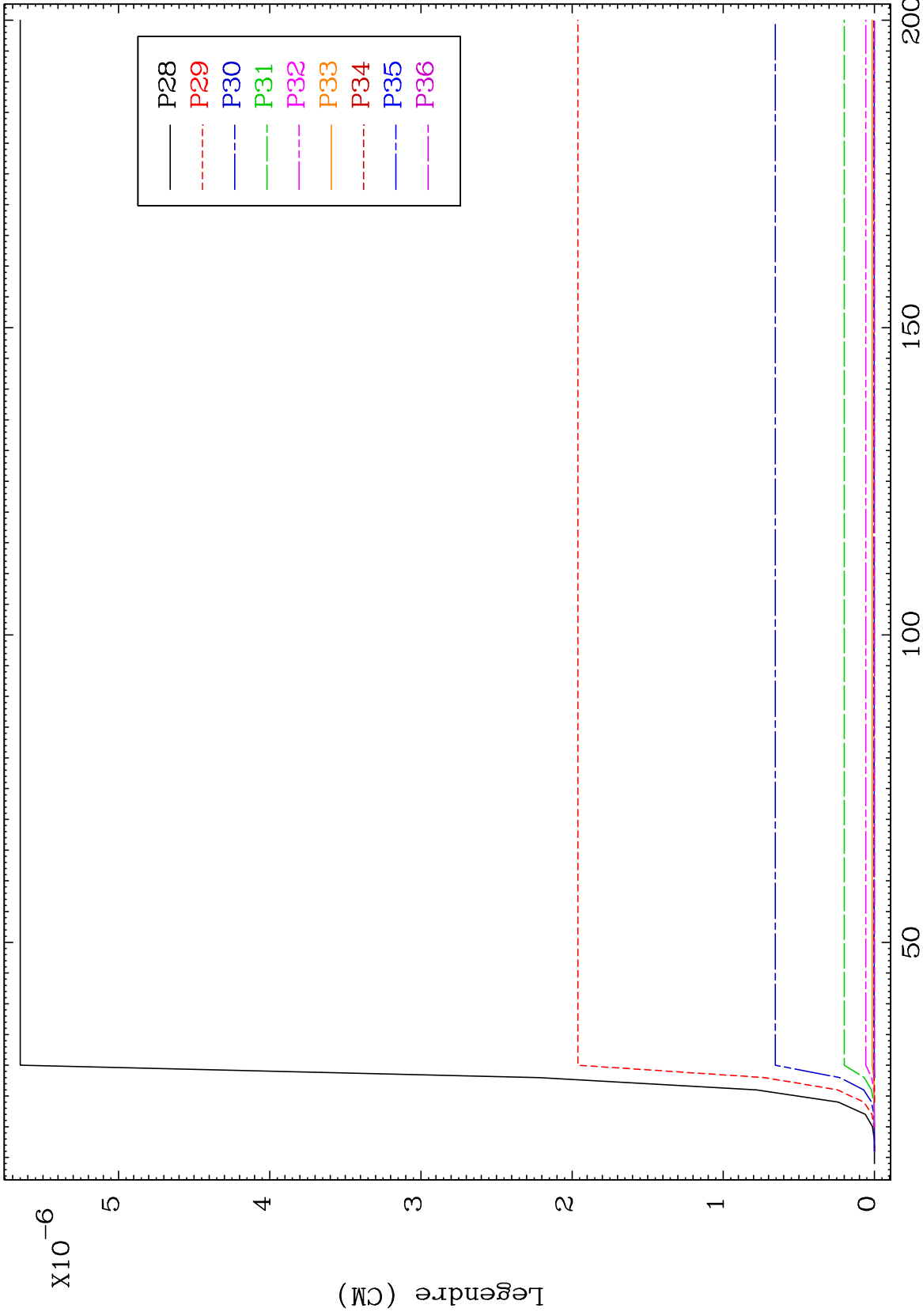
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



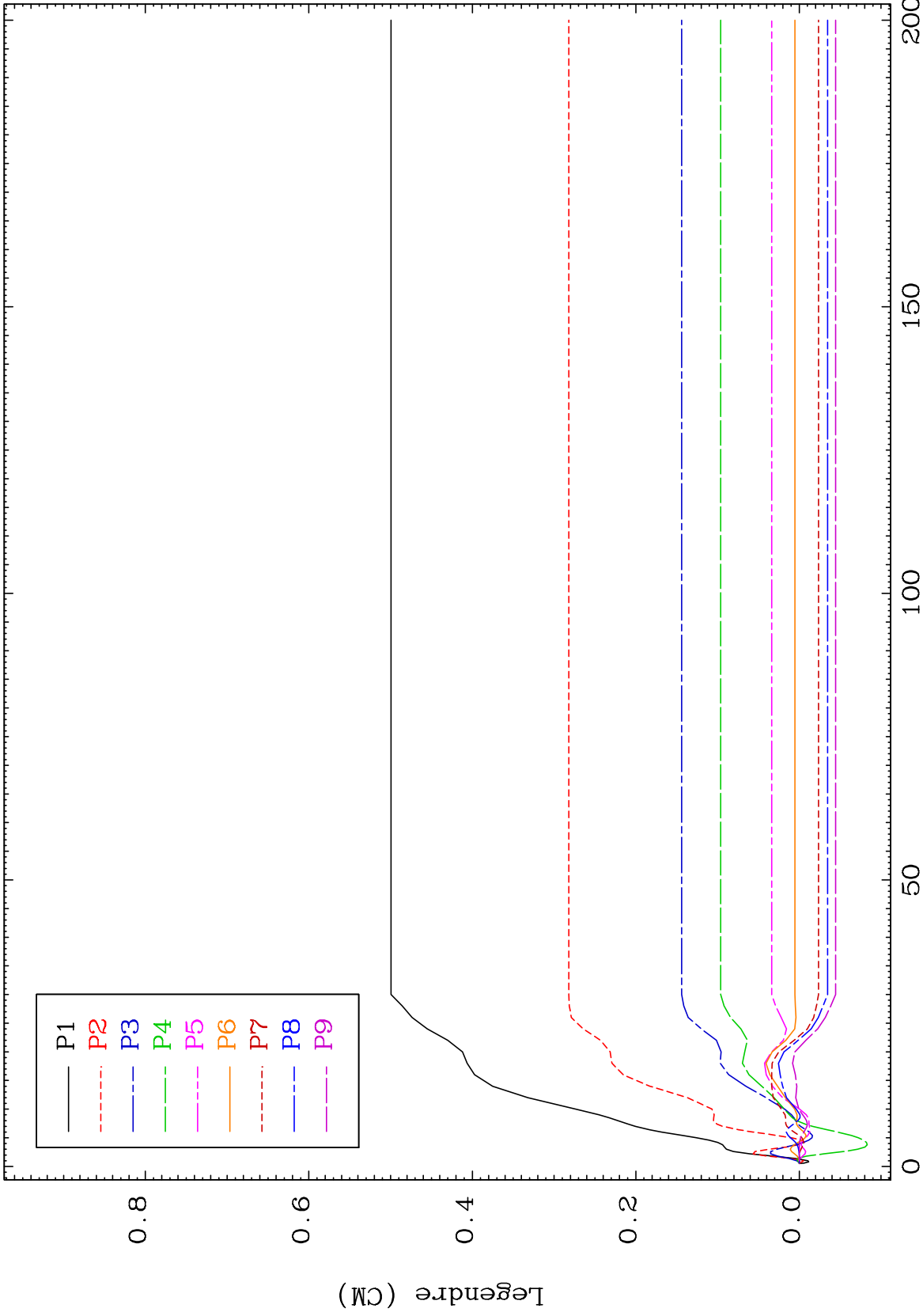
39

57-La-133

MAT 5710

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

57-La-133



57-La-133

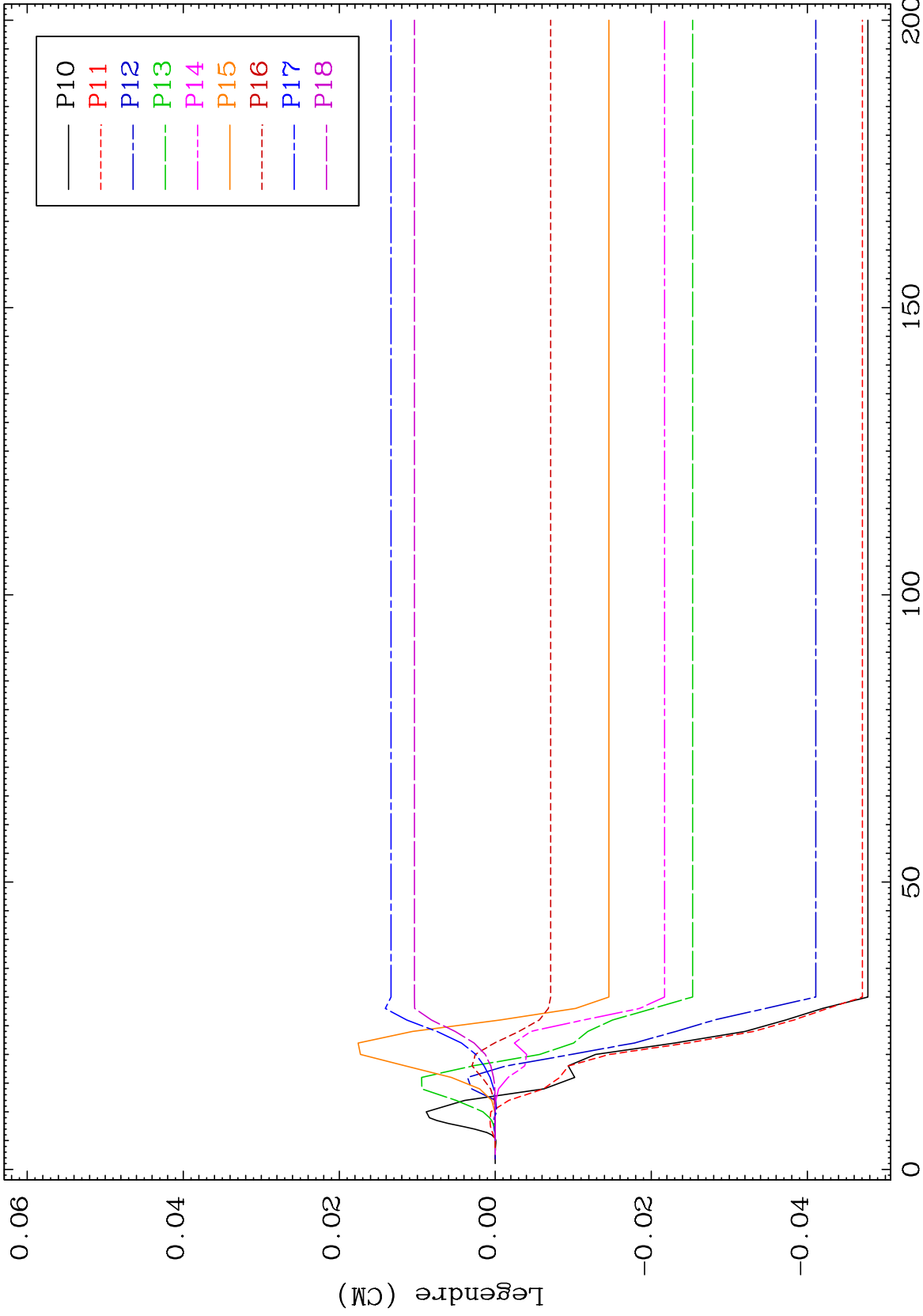
Incident Energy (MeV)

40

MAT 5710

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

57-La-133



41

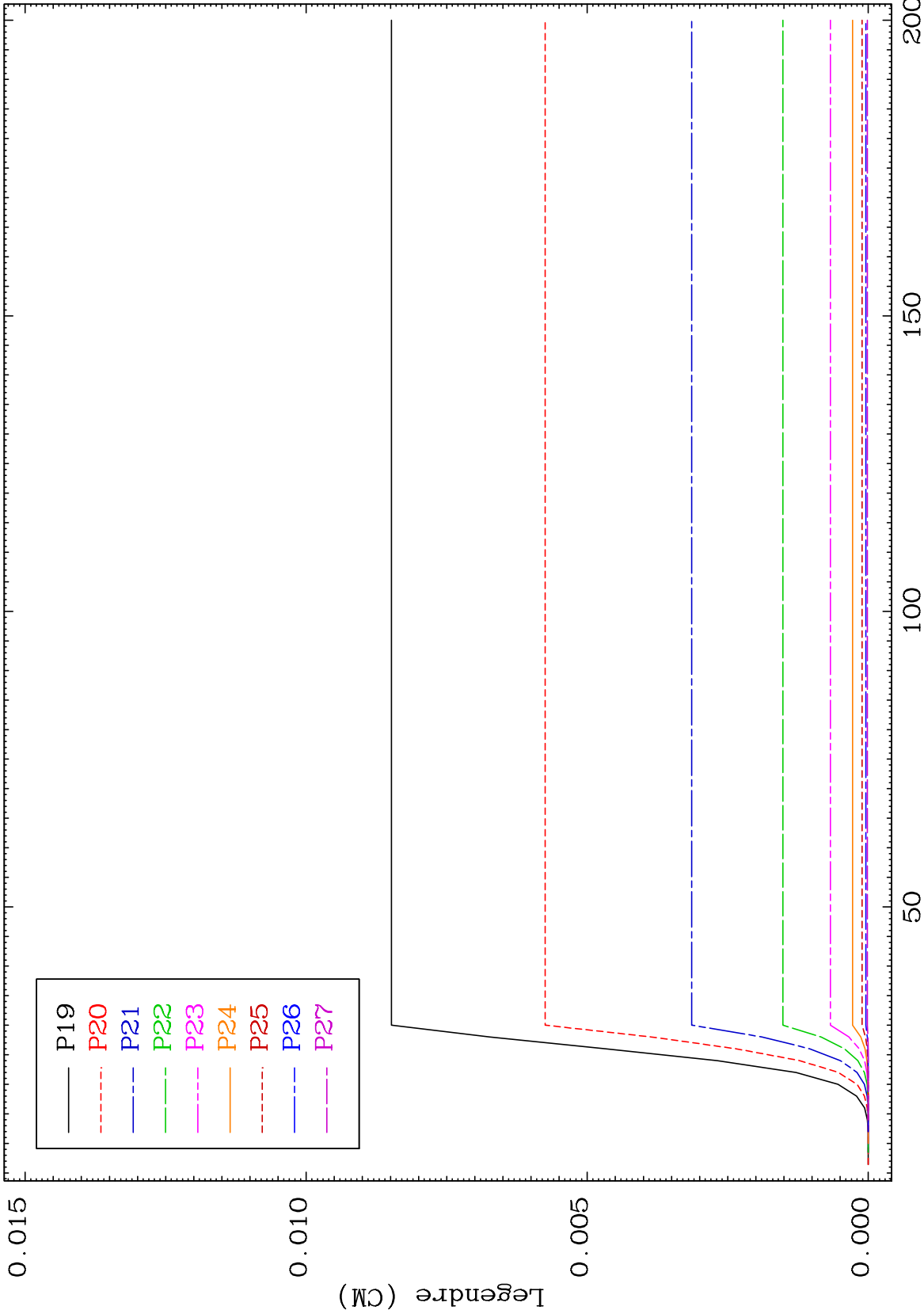
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



42

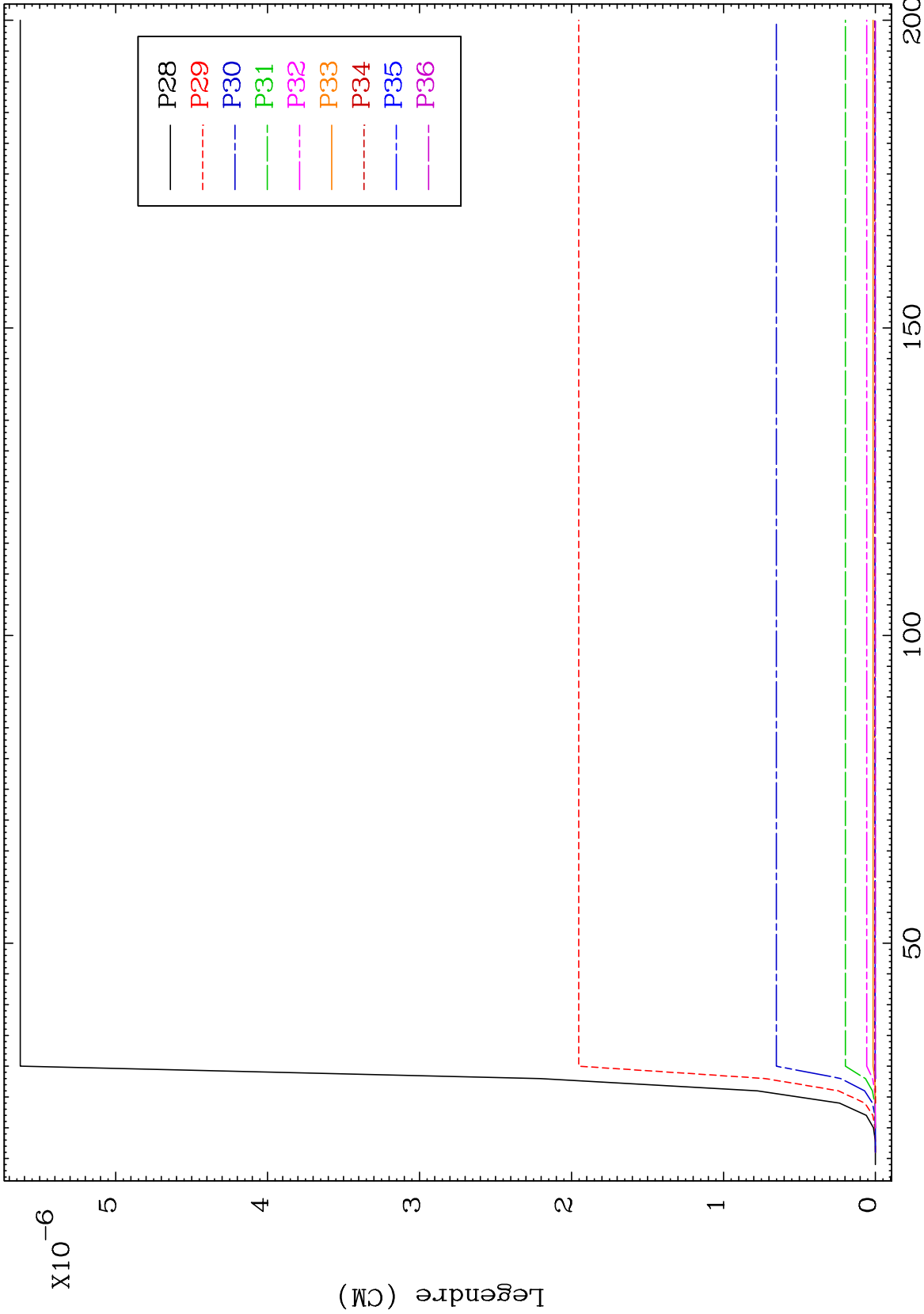
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



43

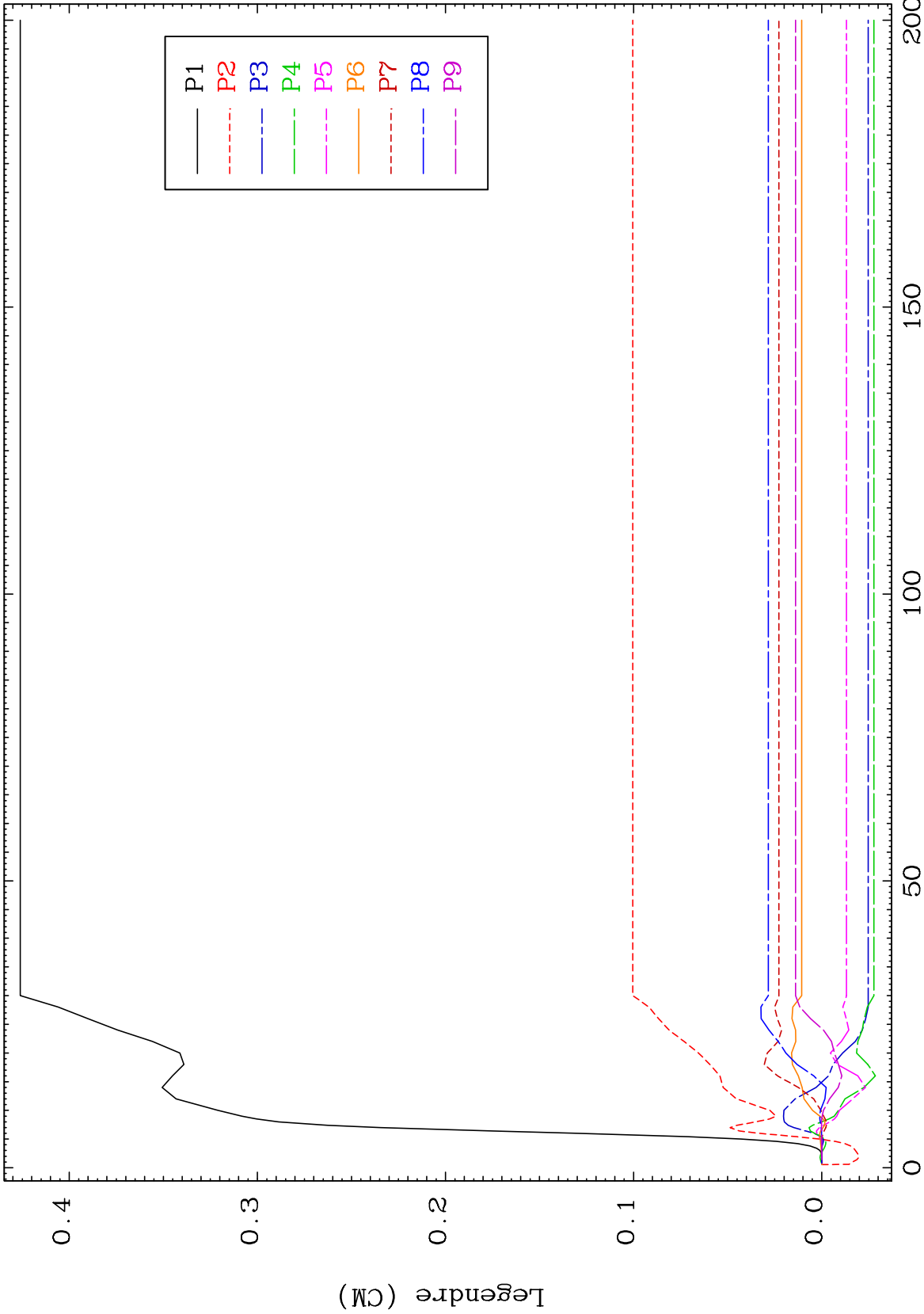
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



44

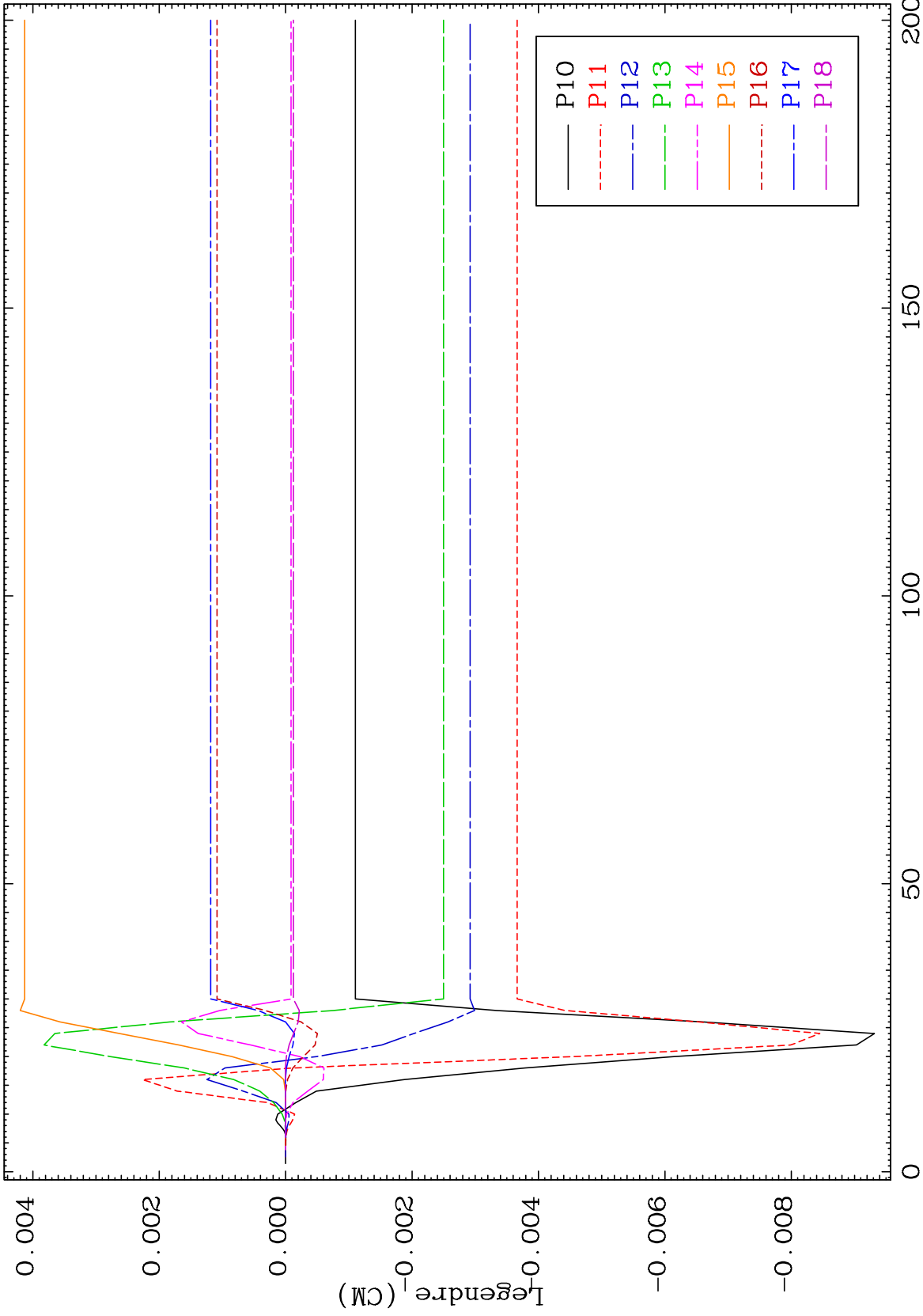
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



45

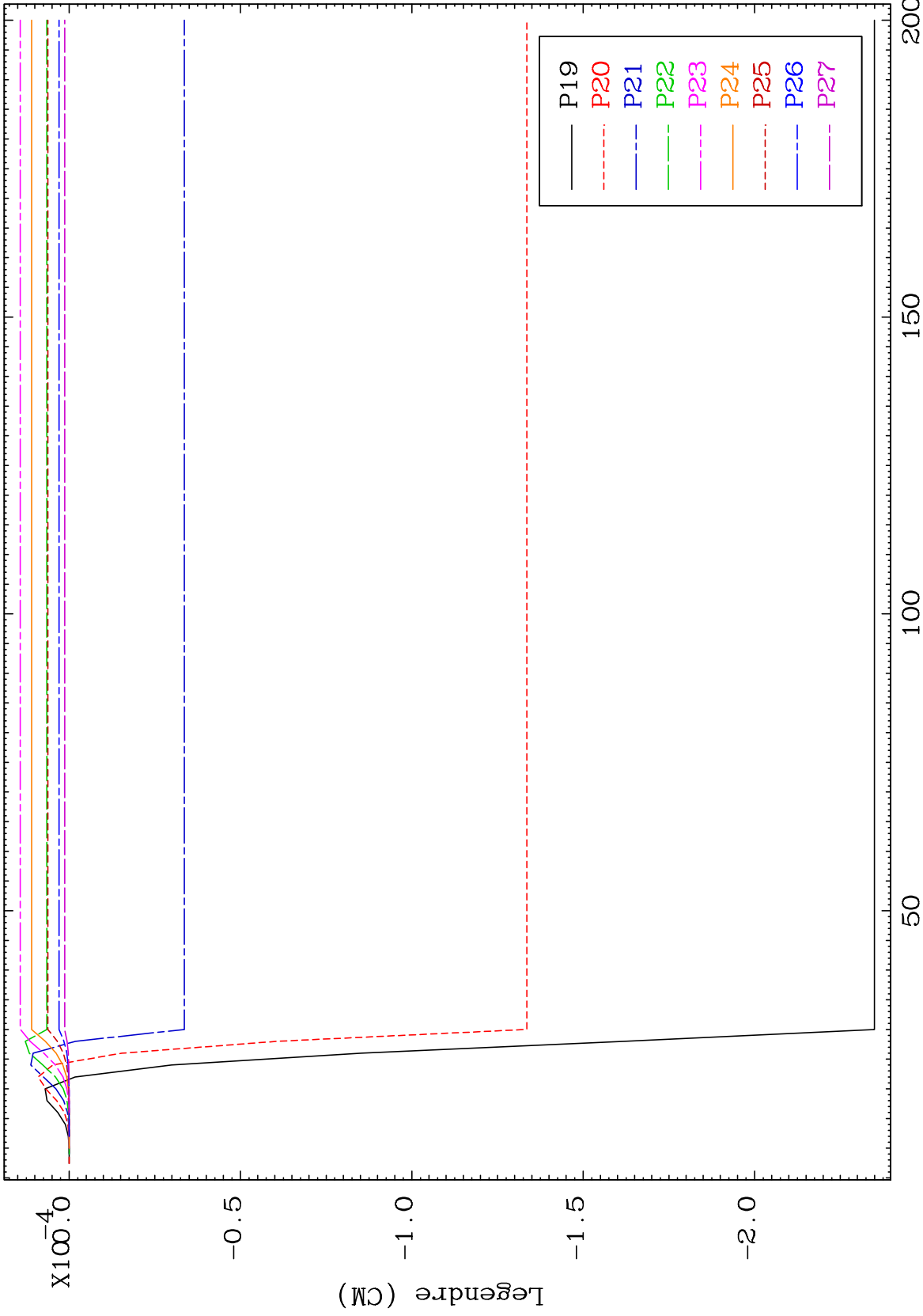
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



46

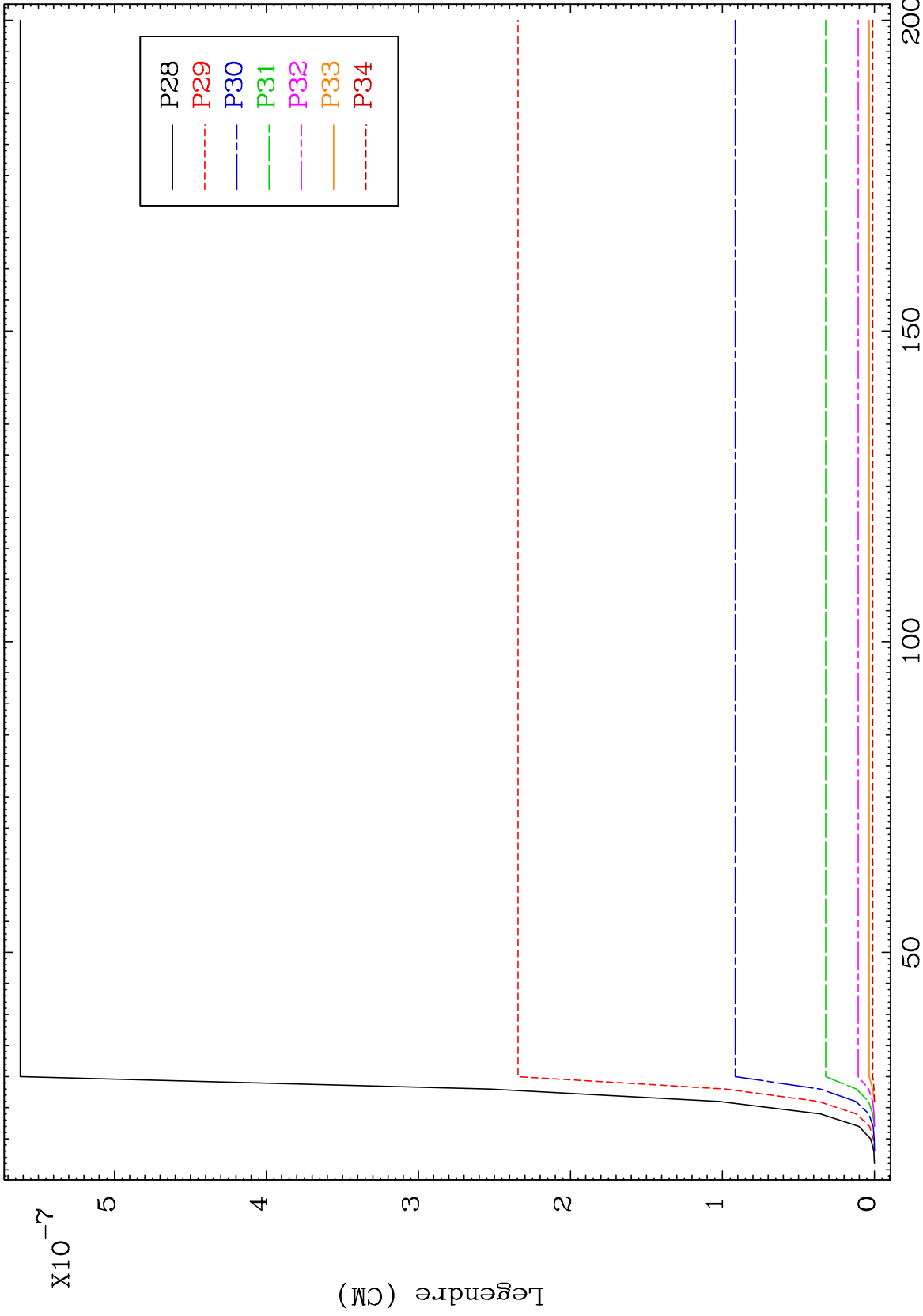
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



47

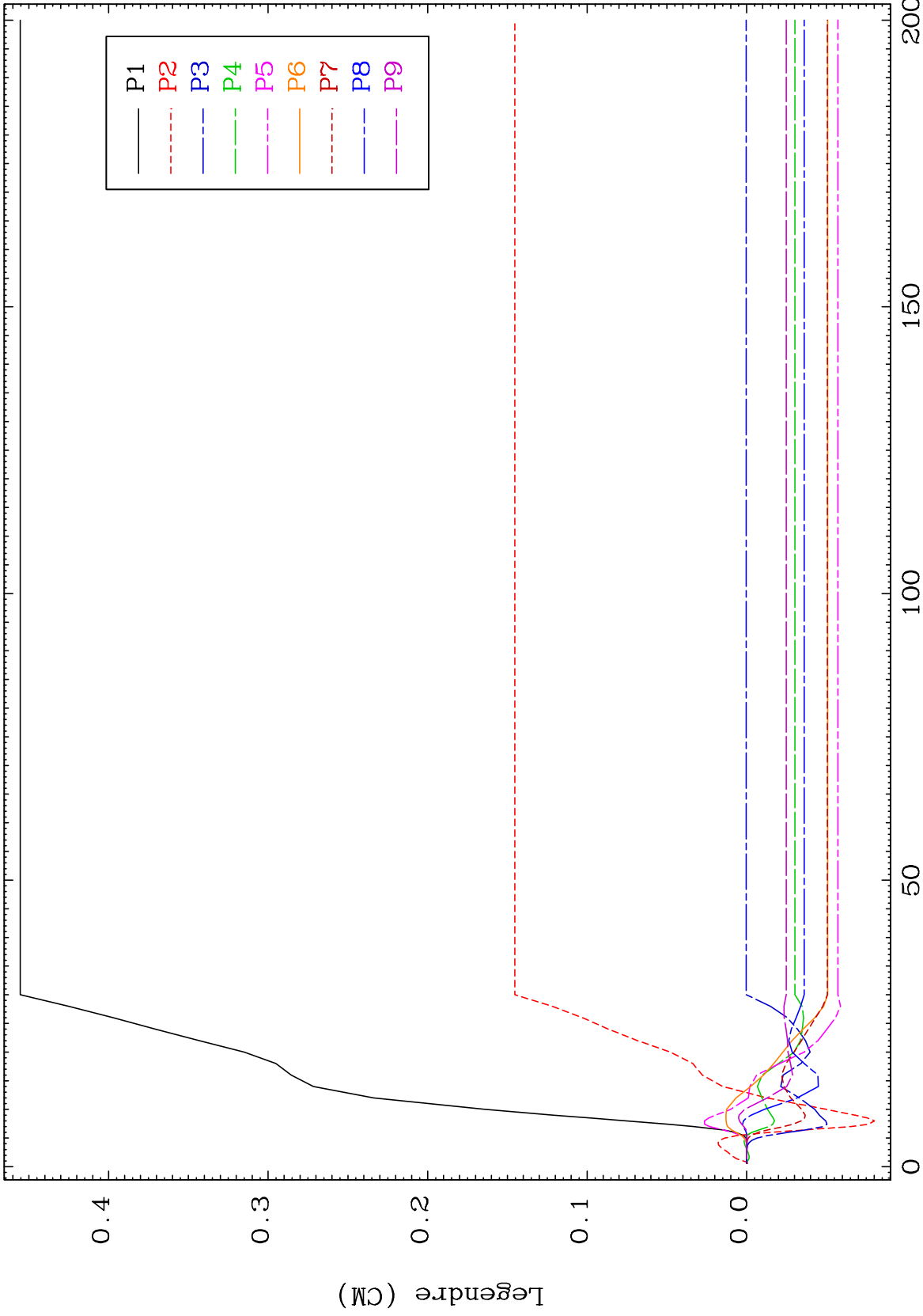
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



48

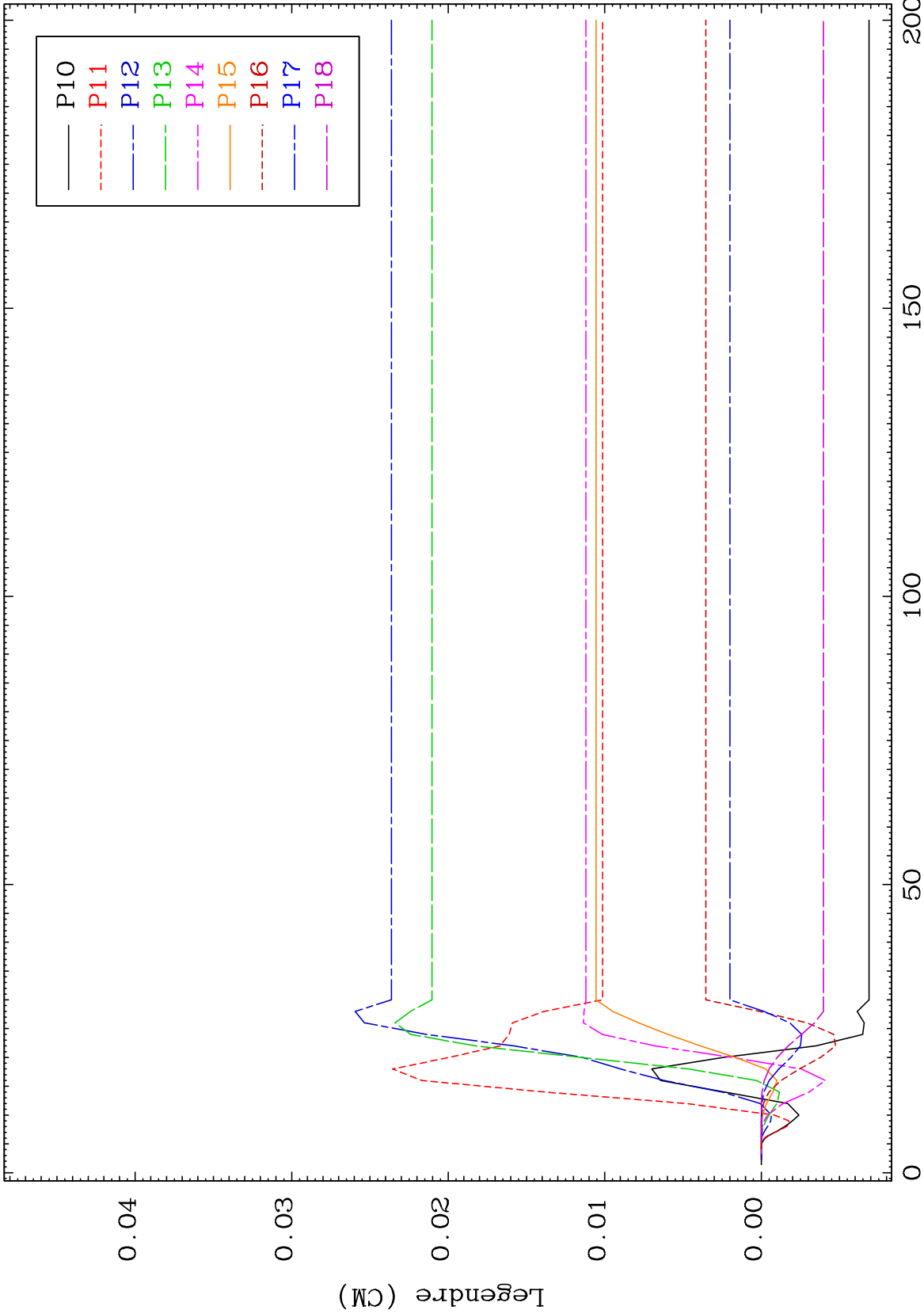
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



49

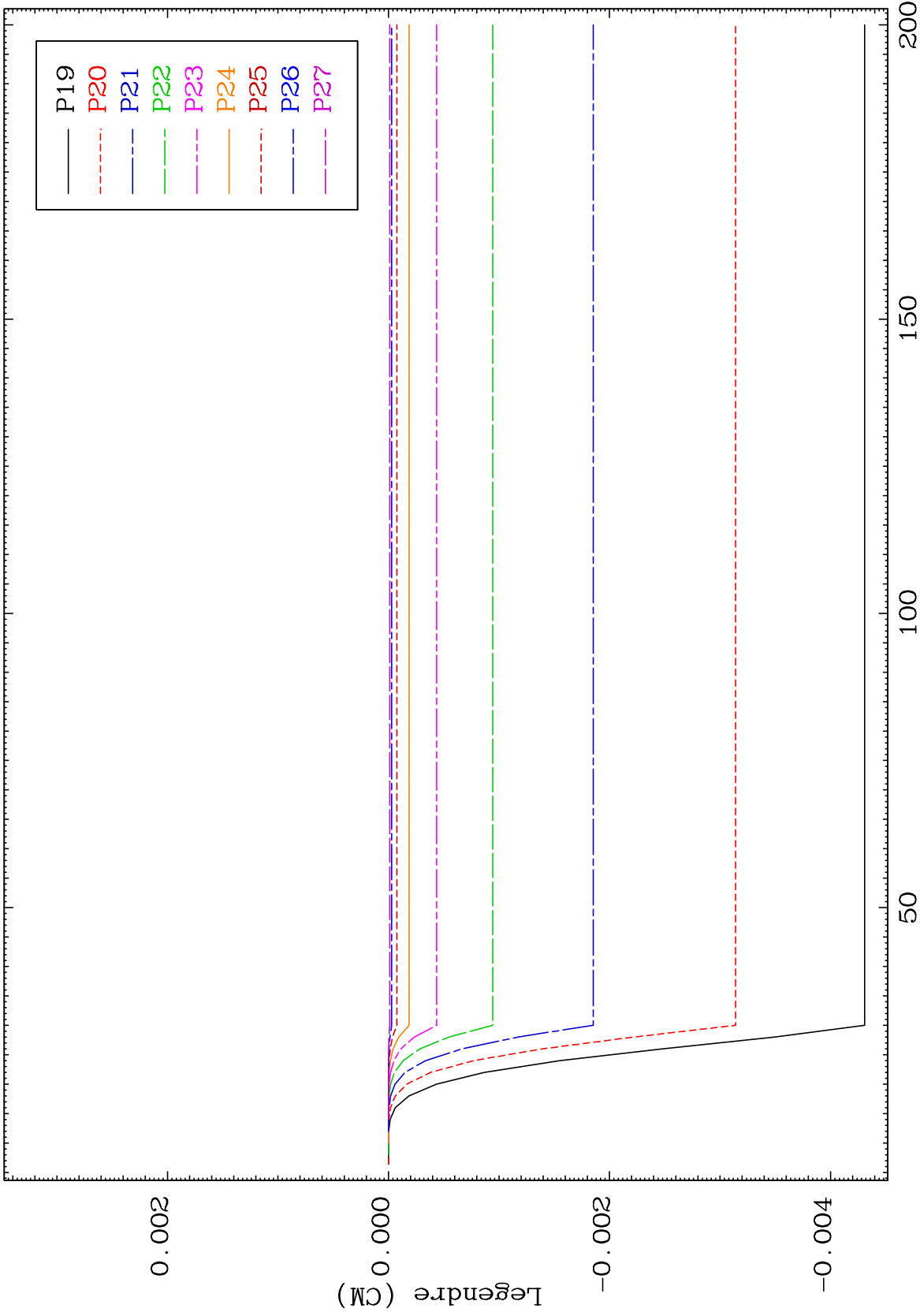
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



50

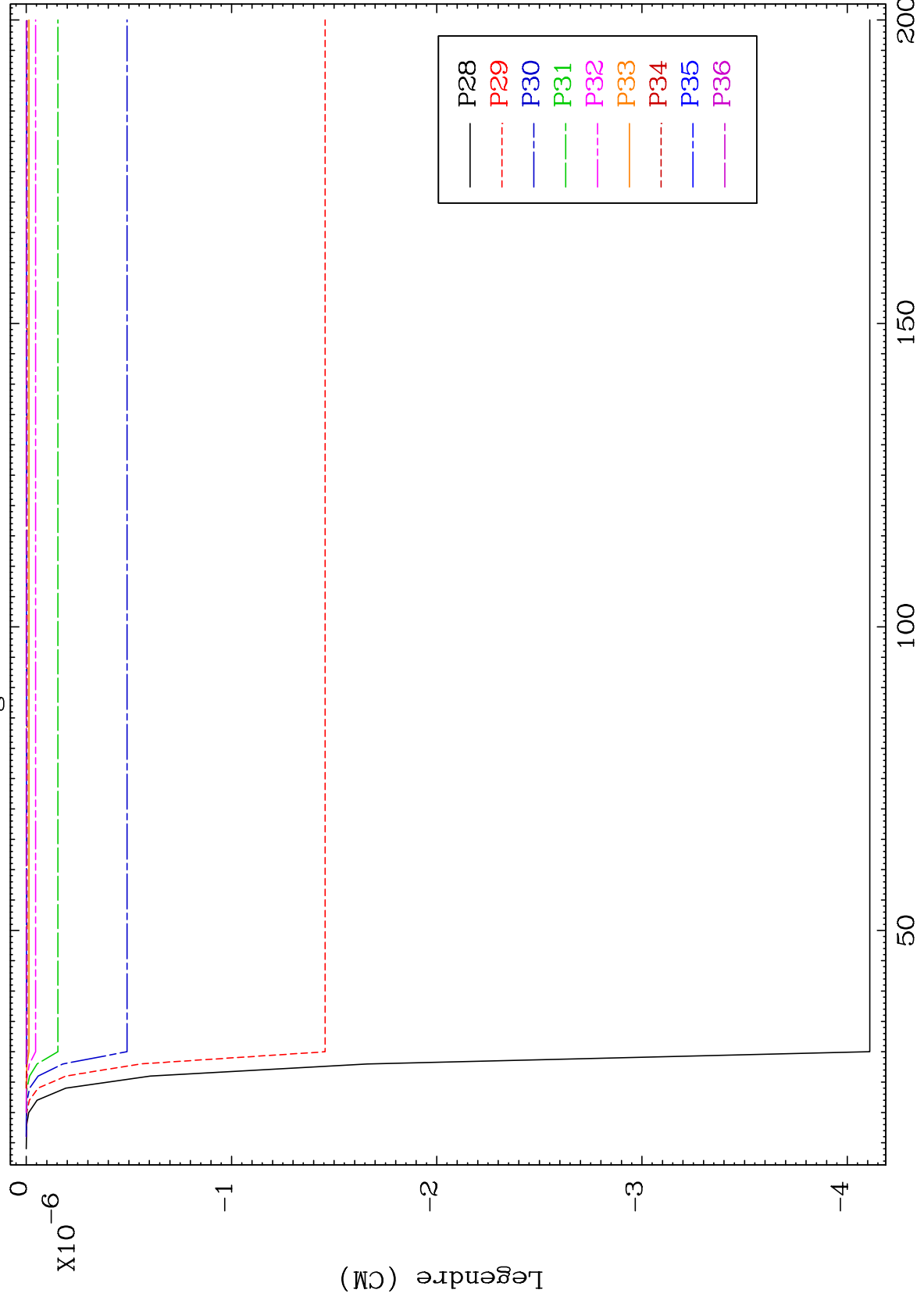
Incident Energy (MeV)

50

150

200

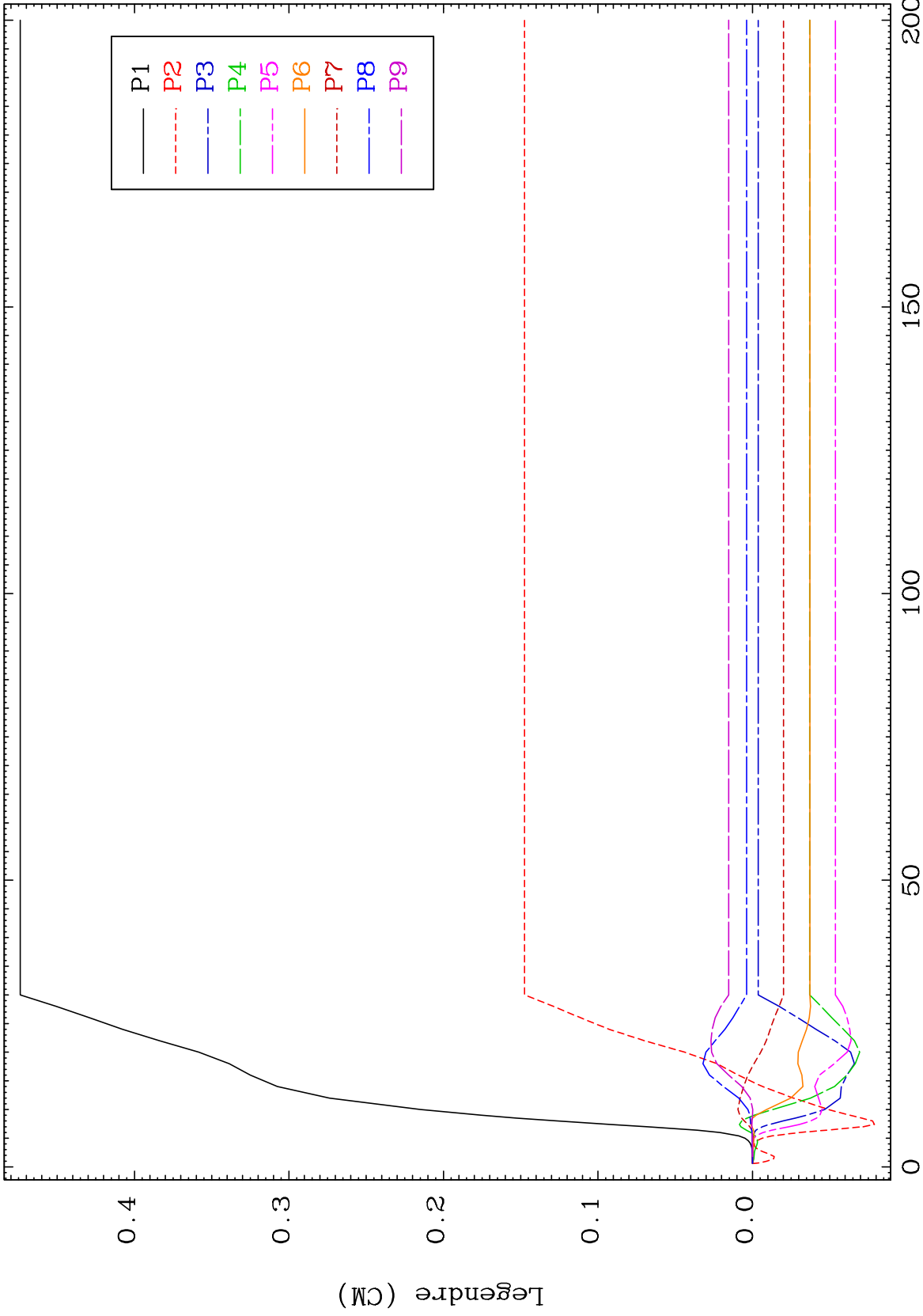
57-La-133



MAT 5710

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

57-La-133



52

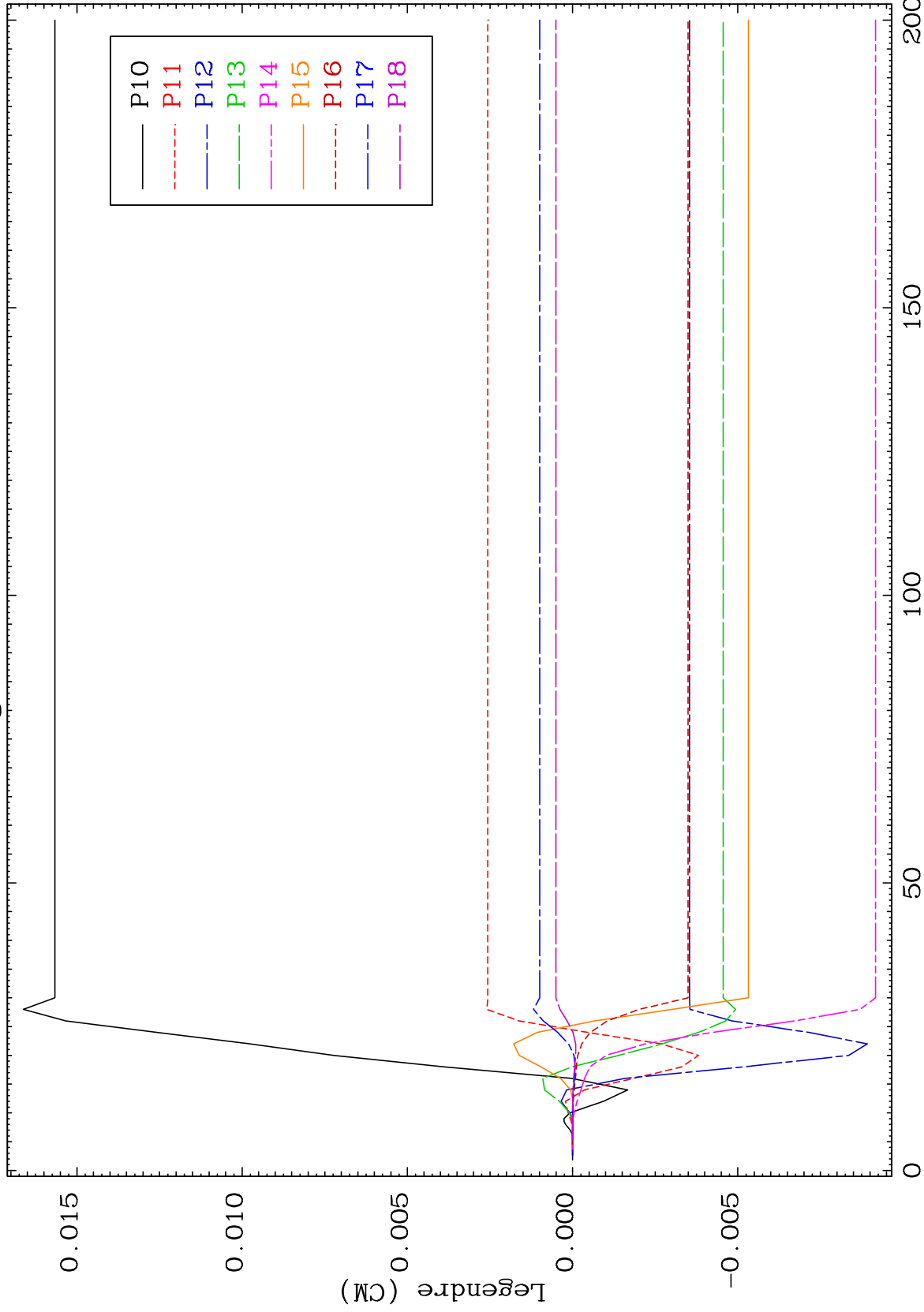
Incident Energy (MeV)

57-La-133

MAT 5710

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

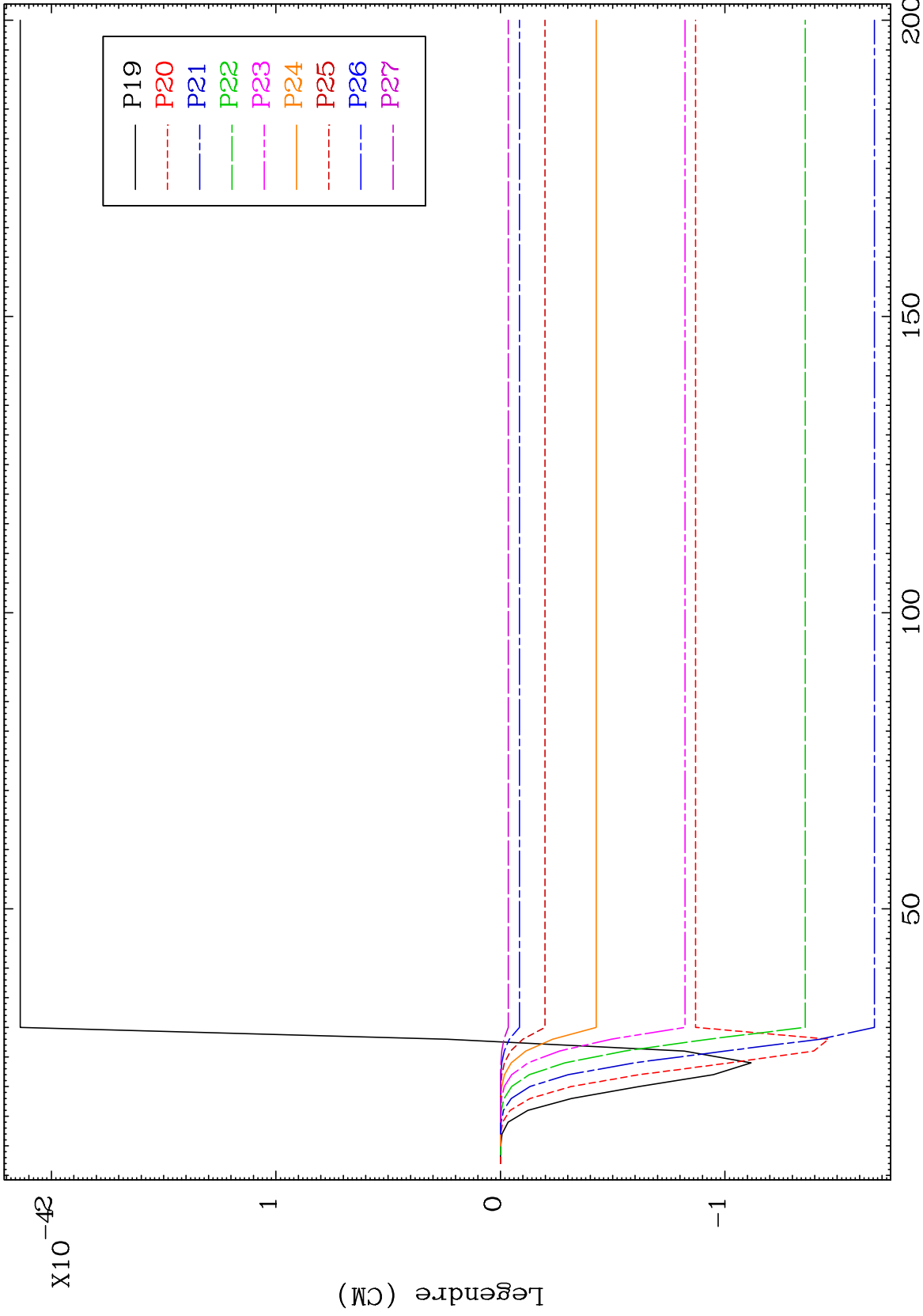
57-La-133



53

Incident Energy (MeV)

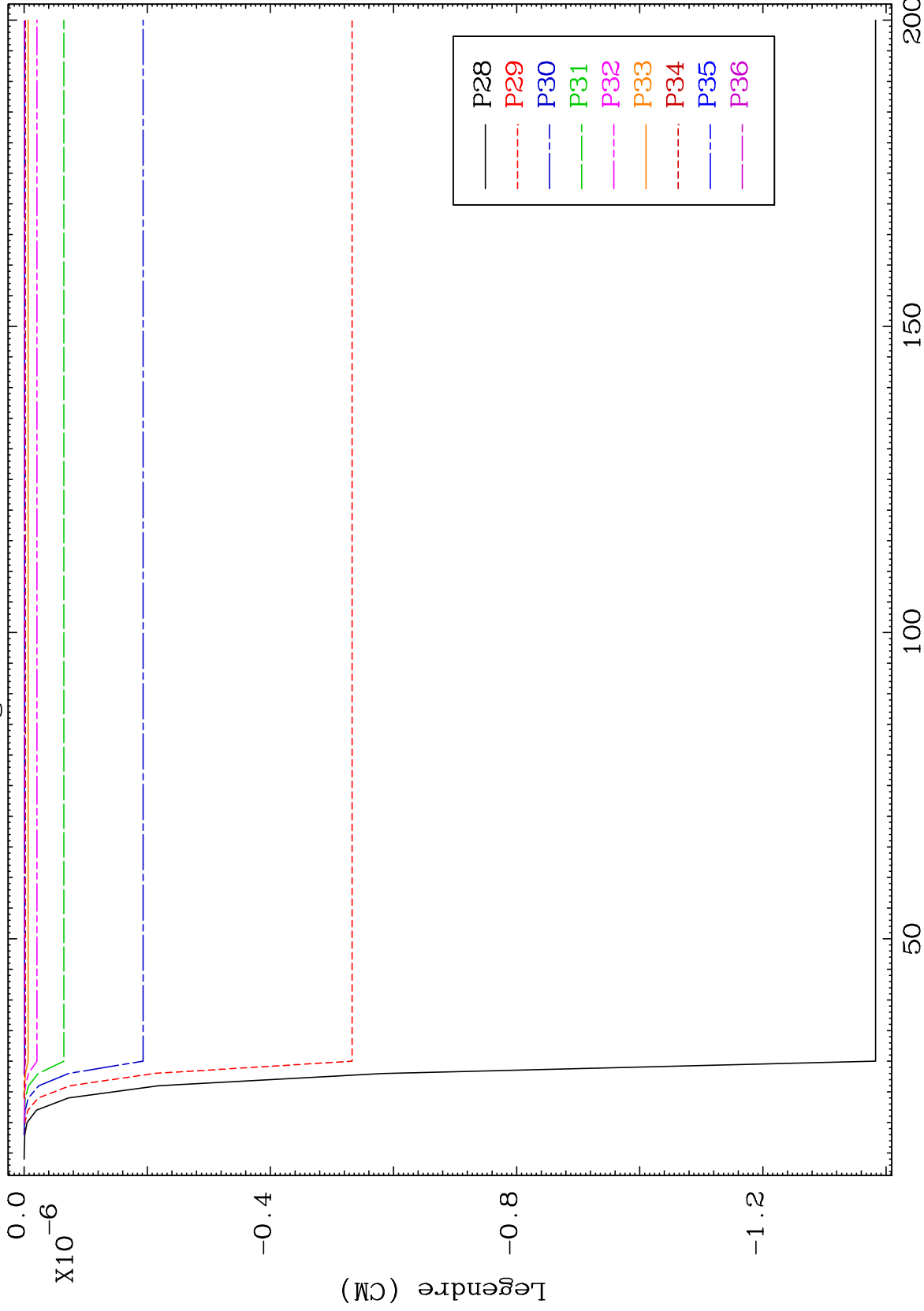
57-La-133



MAT 5710

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

57-La-133



57-La-133

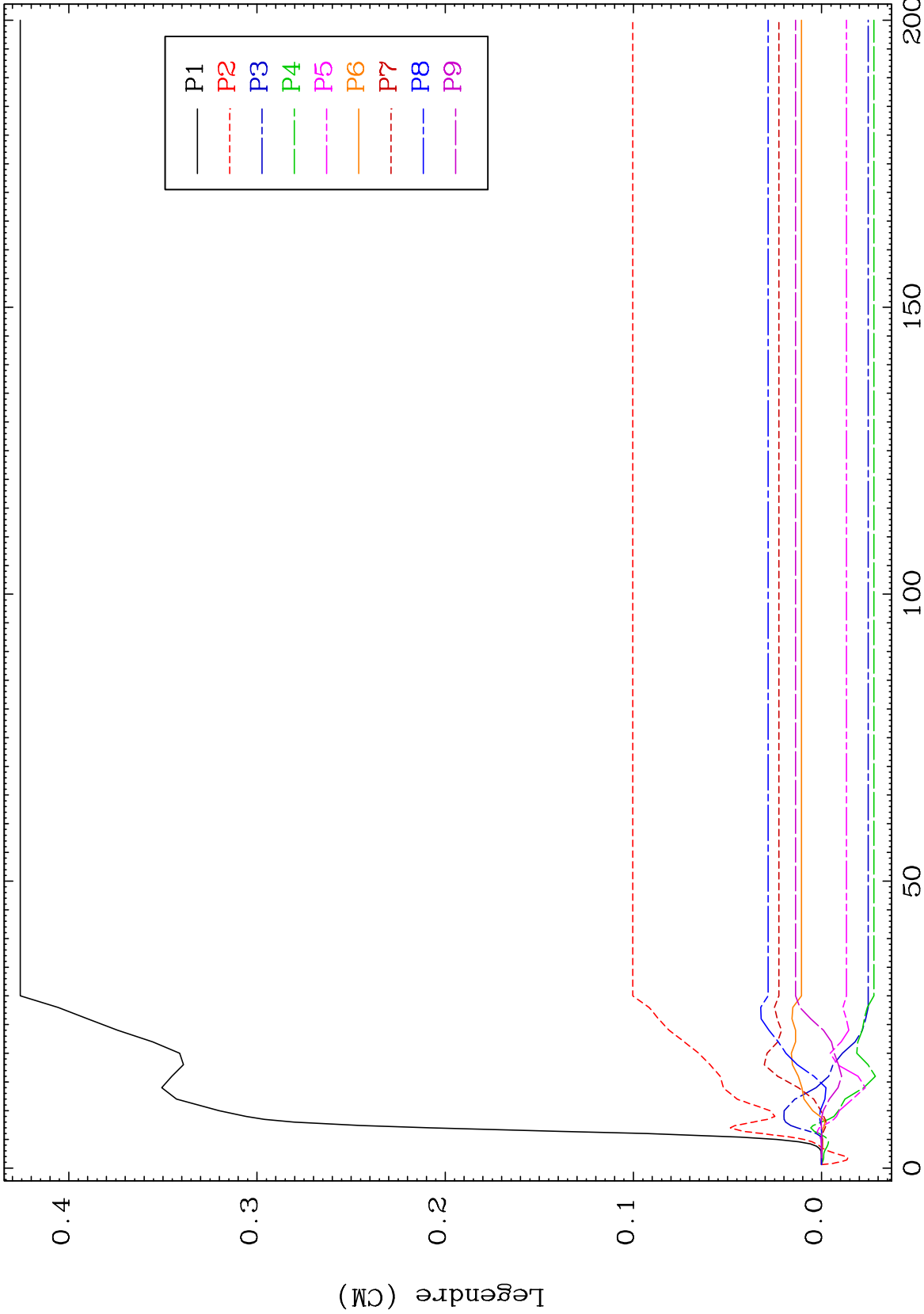
Incident Energy (MeV)

55

MAT 5710

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

57-La-133



56

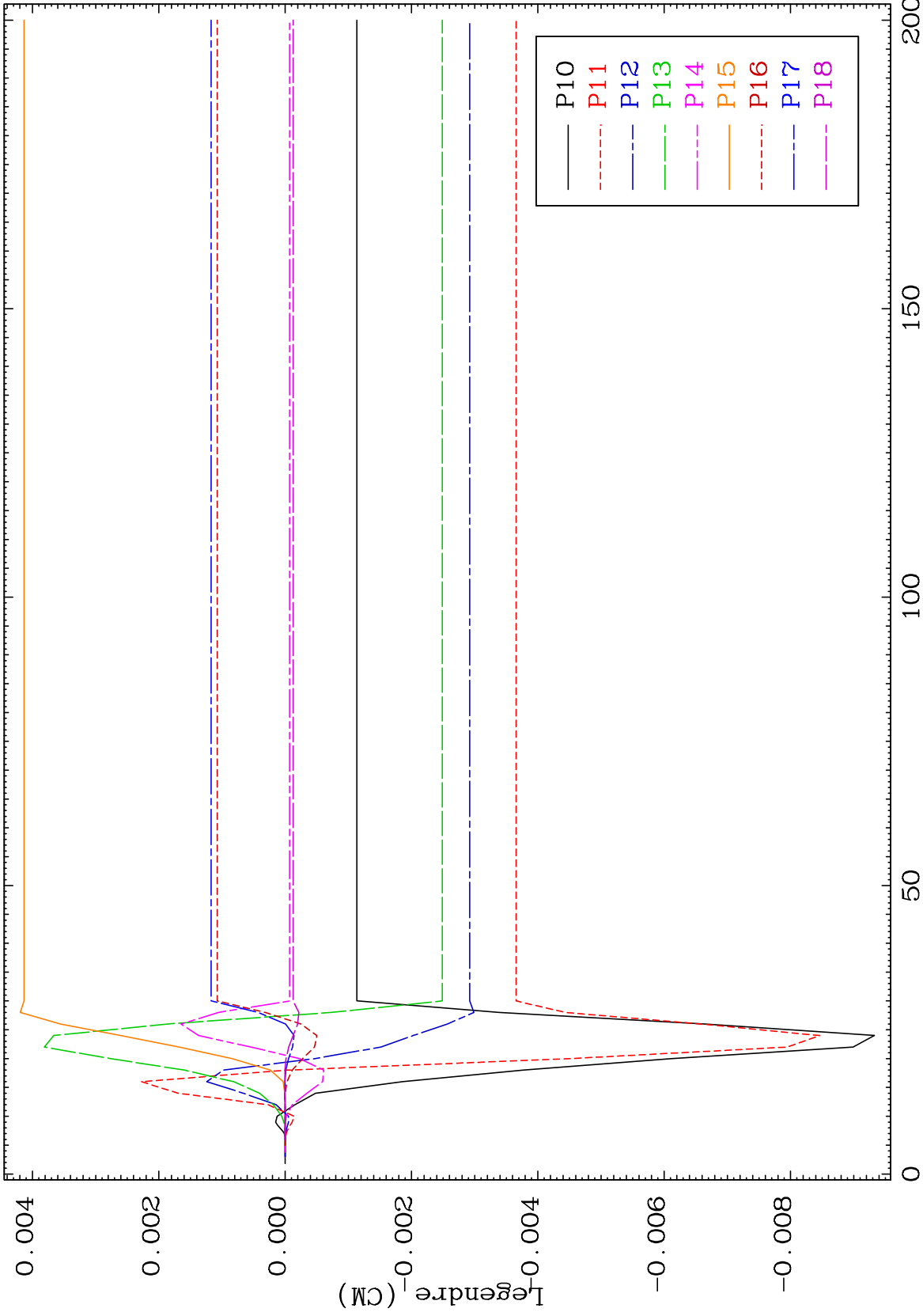
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



57

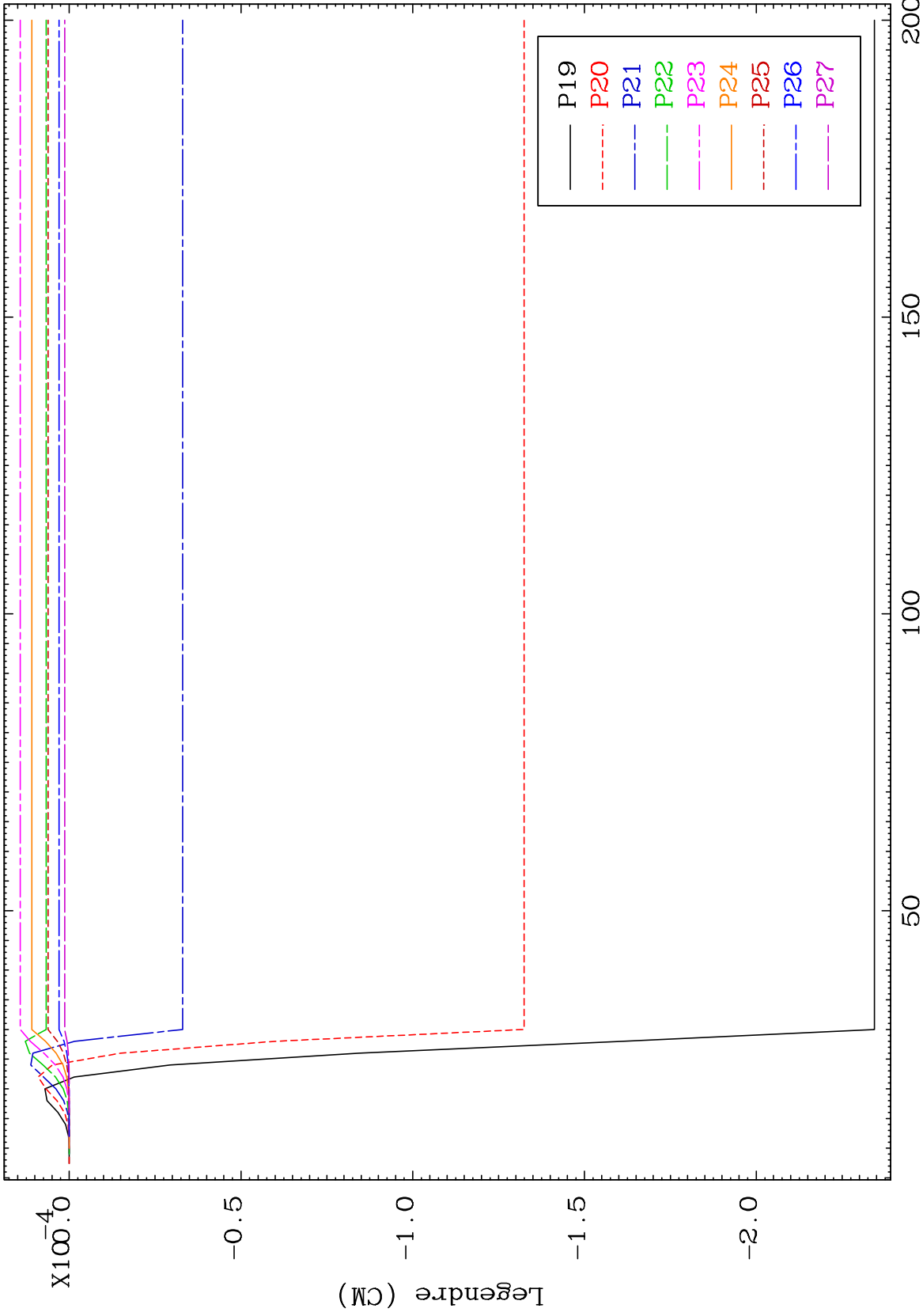
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



58

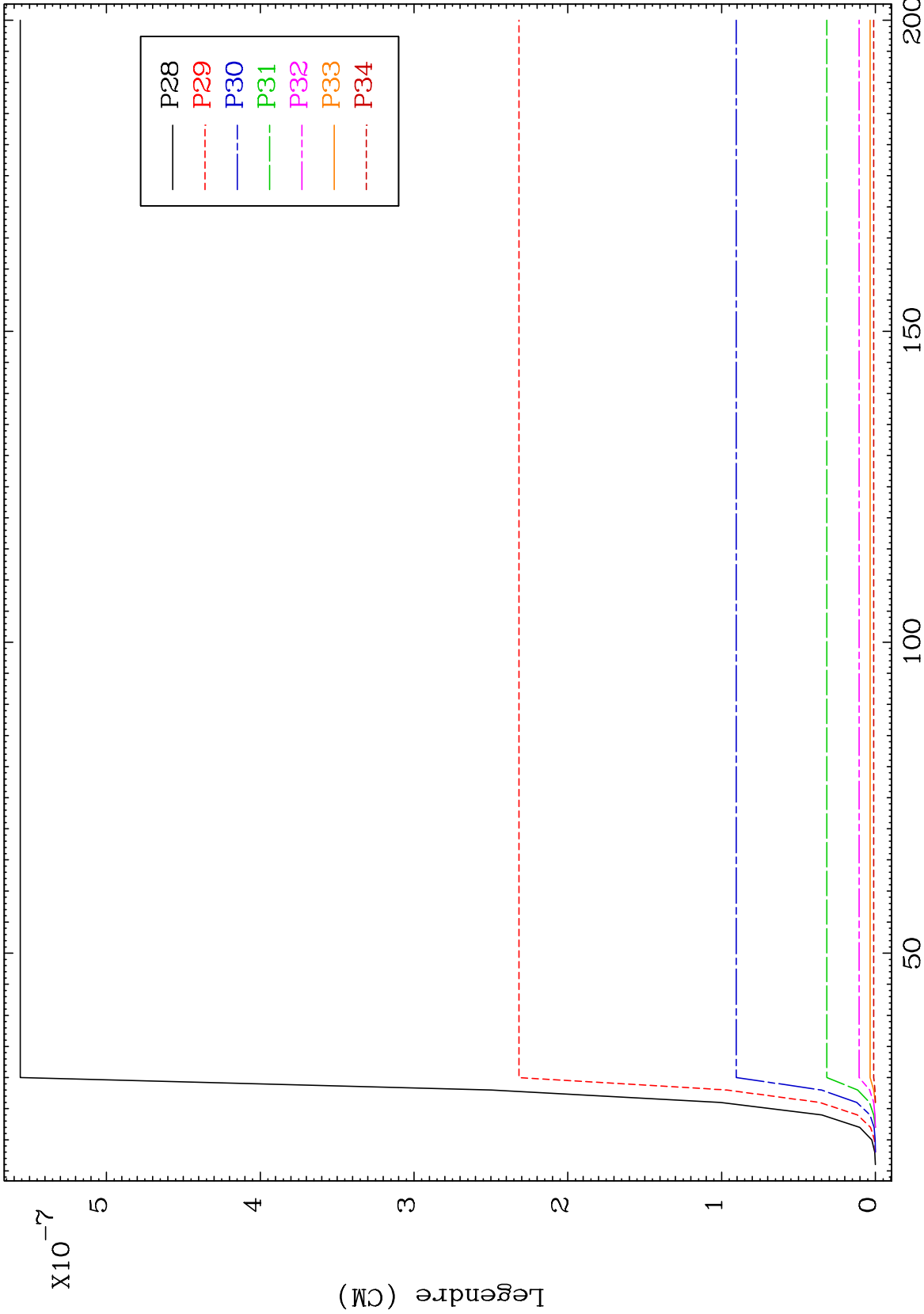
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



59

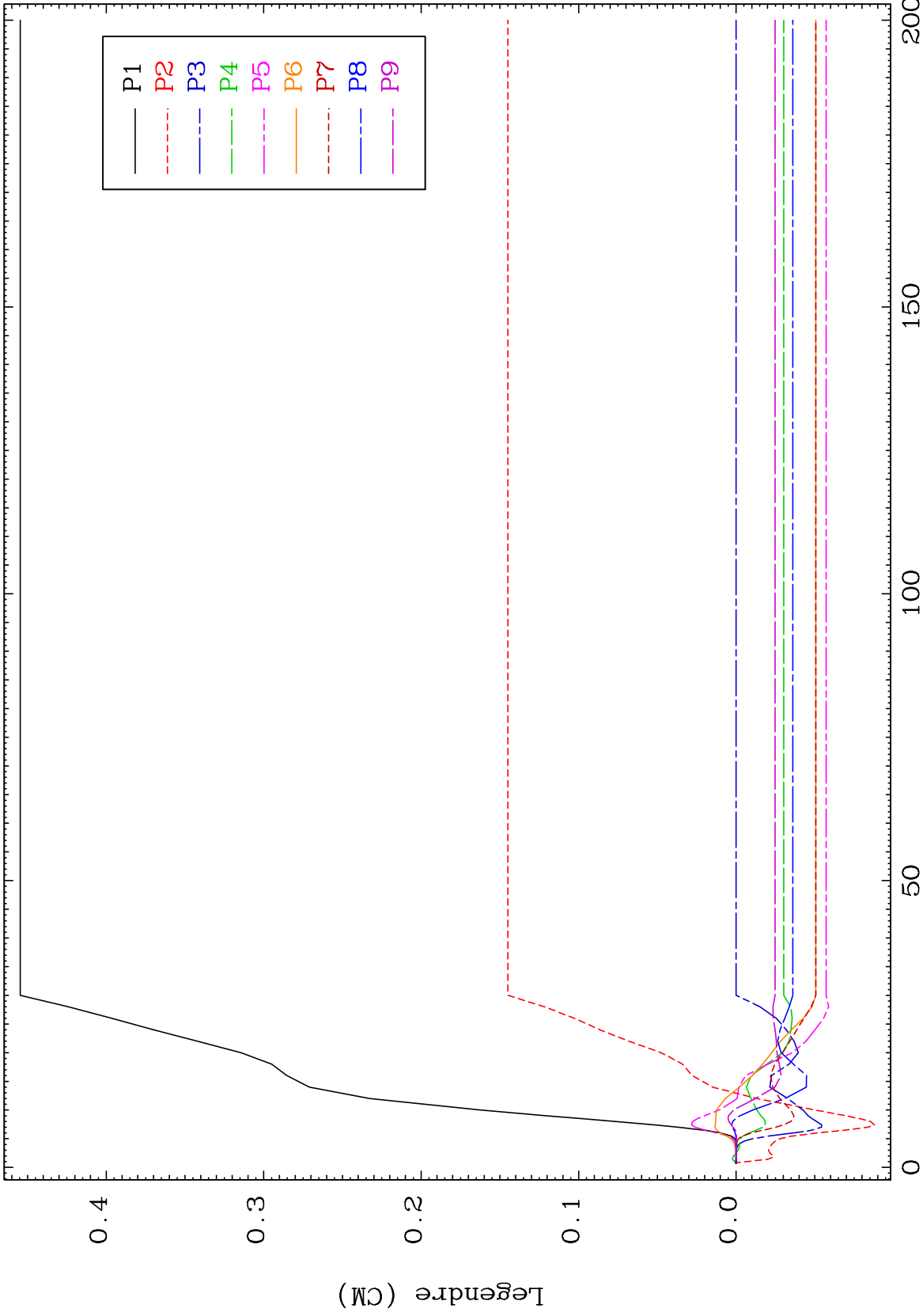
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



57-La-133

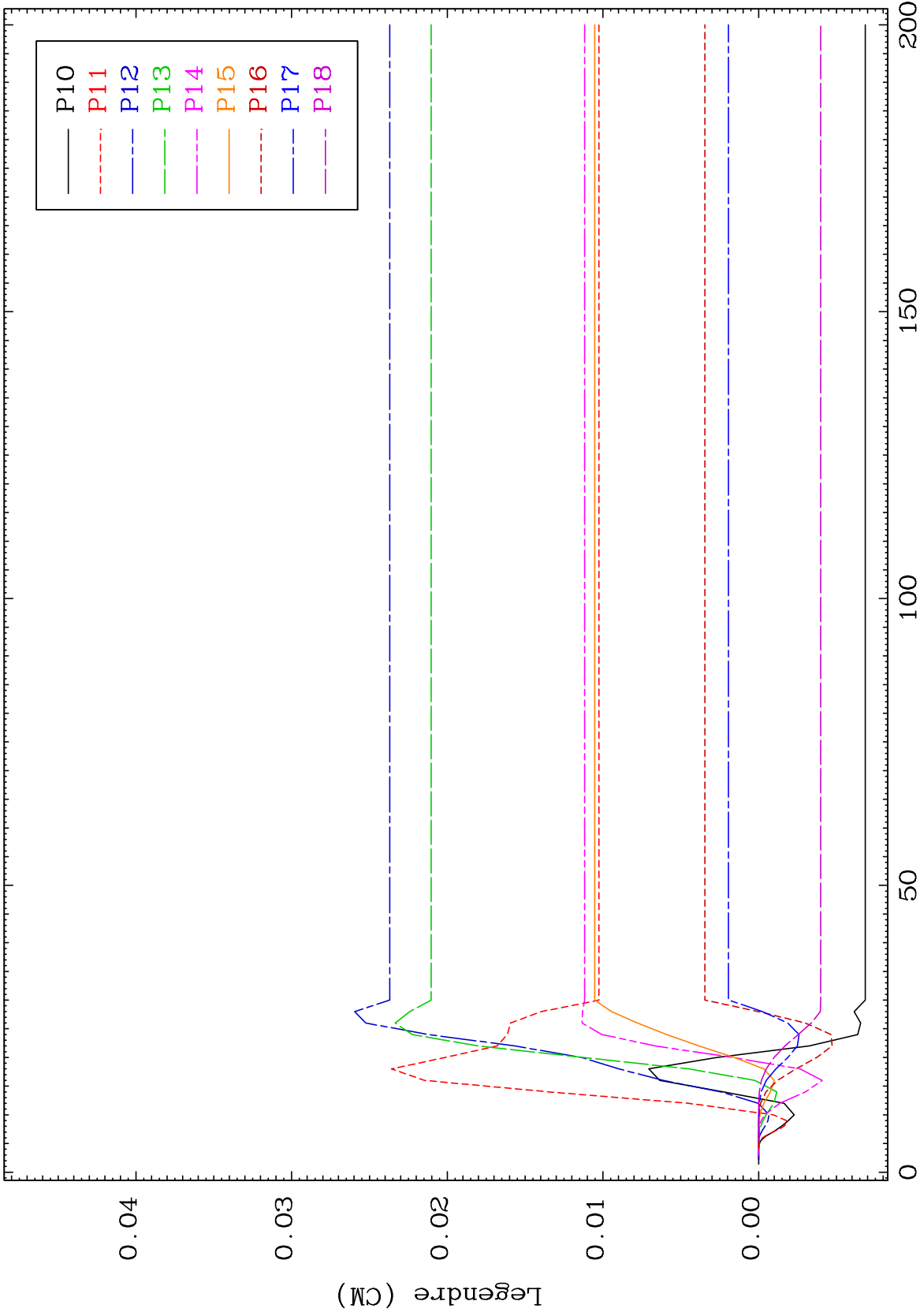
Incident Energy (MeV)

60

MAT 5710

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

57-La-133



61

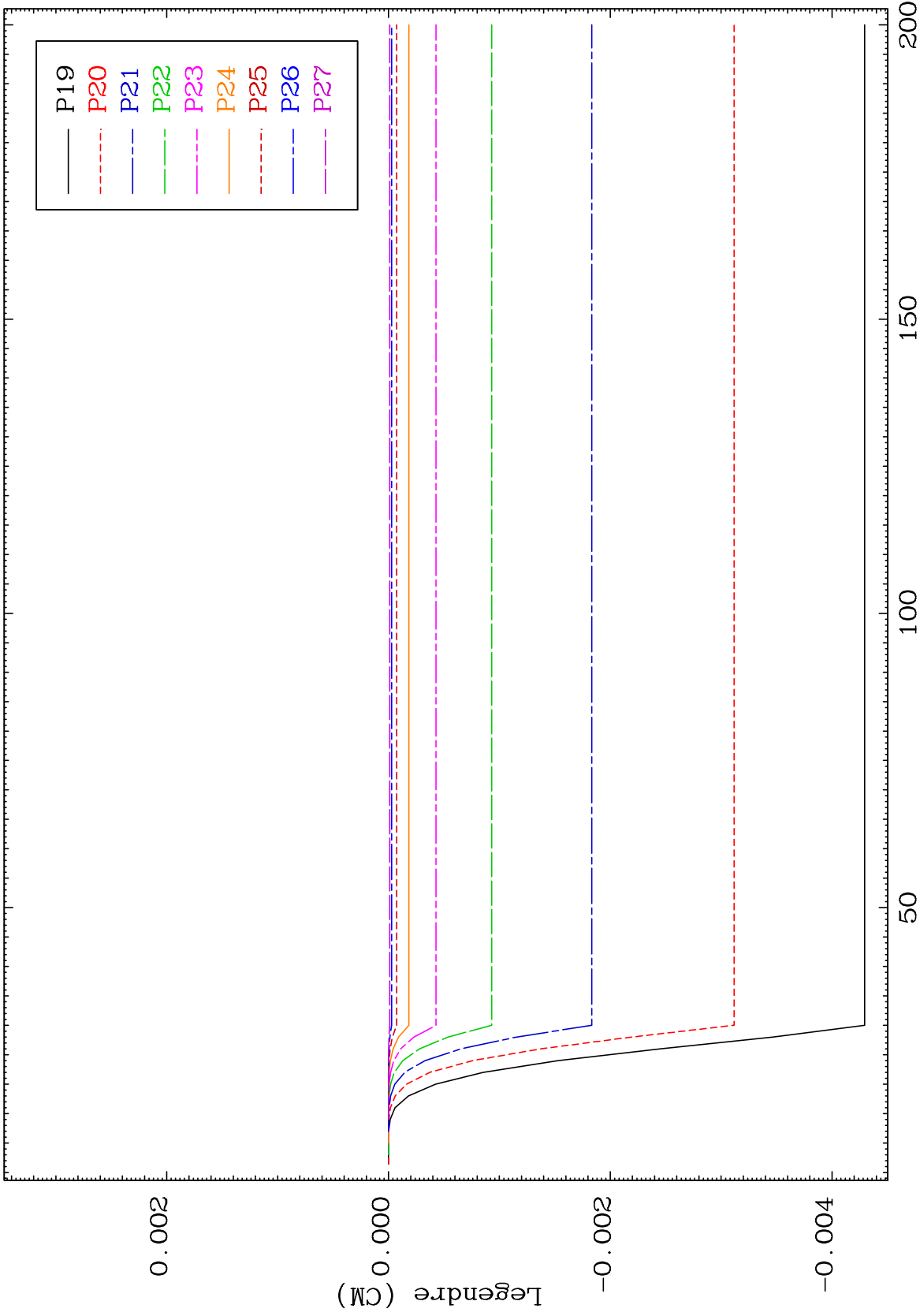
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



62

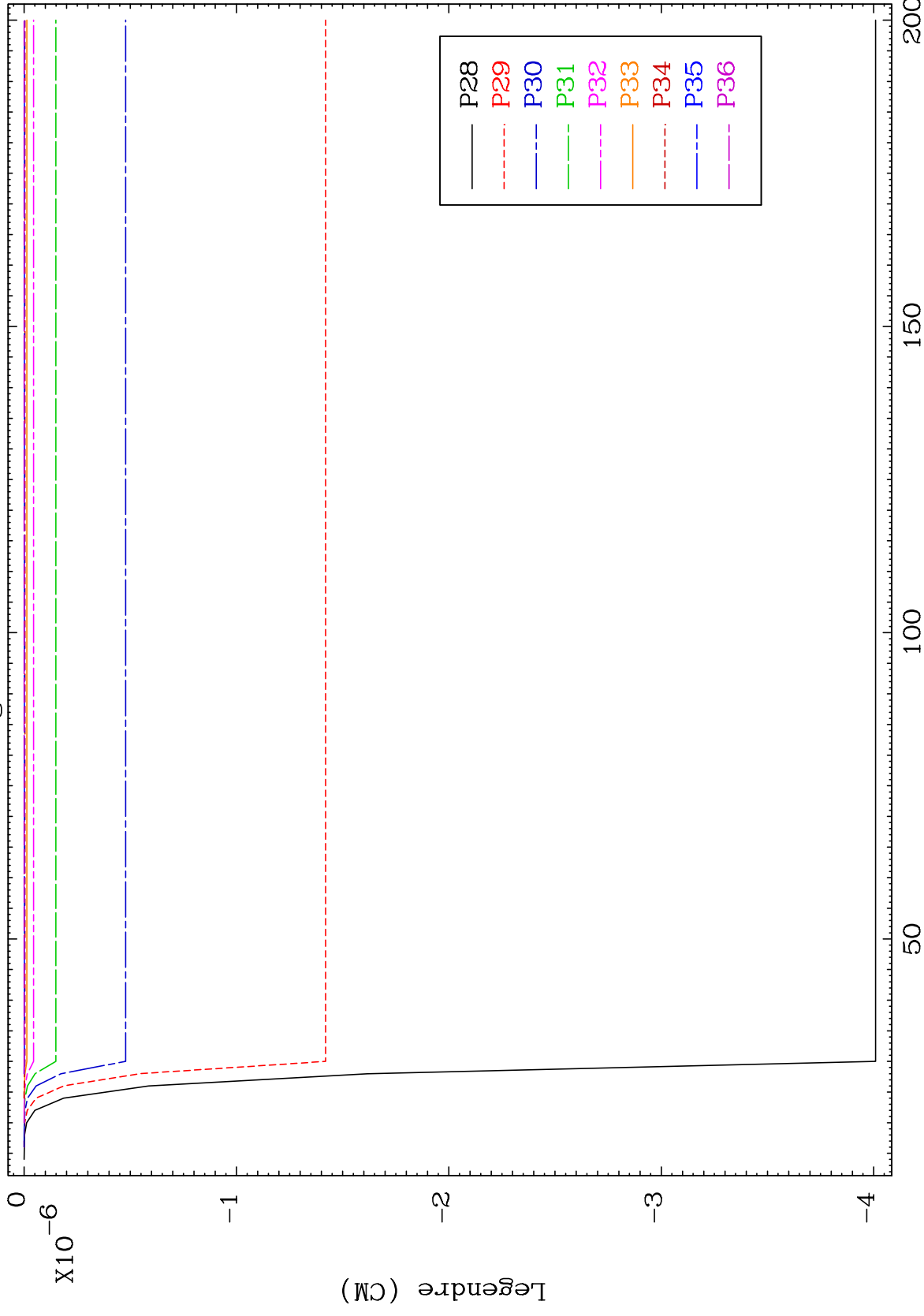
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133

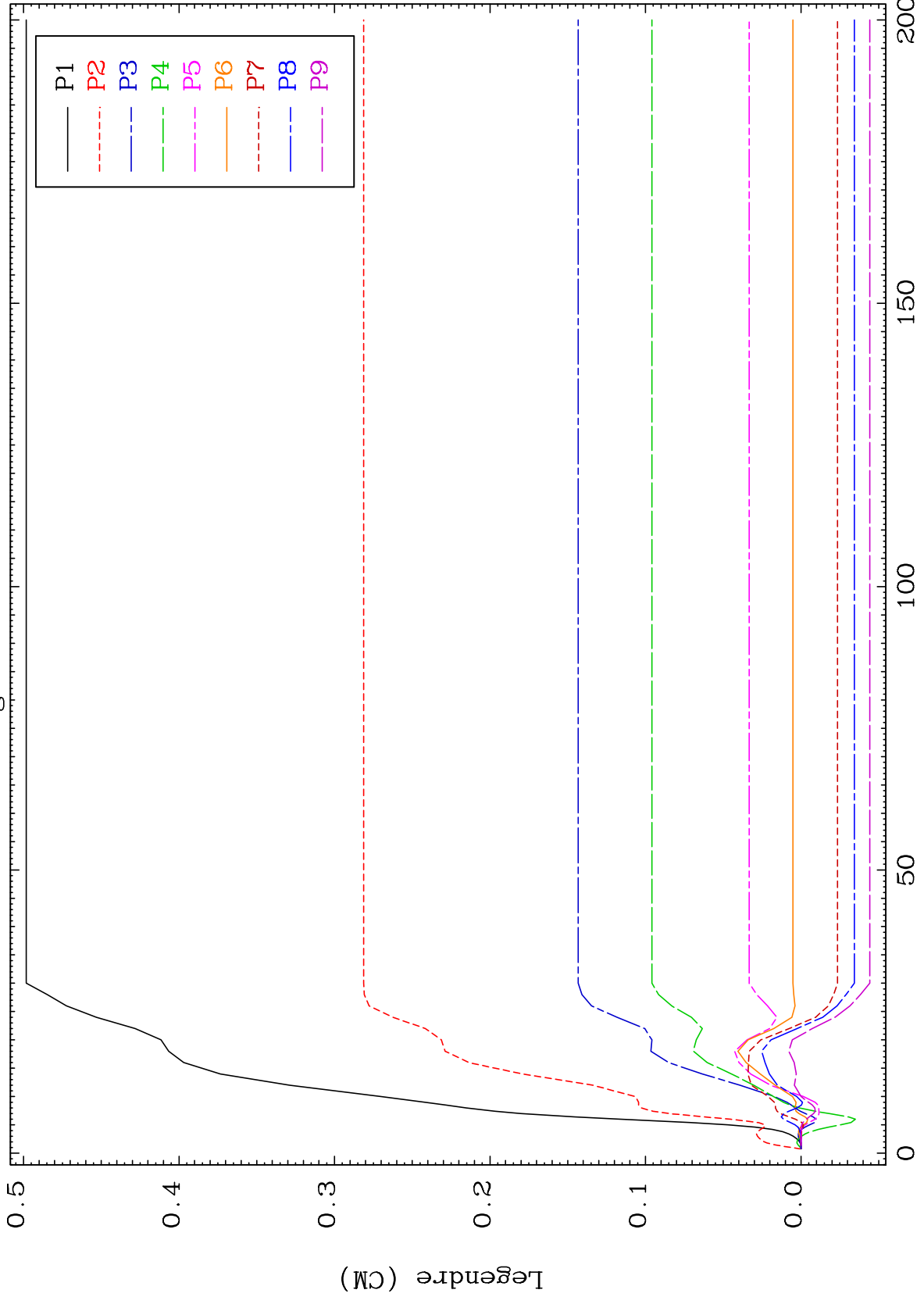


57-La-133

Incident Energy (MeV)

63

MAT 5710 MT= 62 (n,n') Level Legendre Coefficients 57-La-133

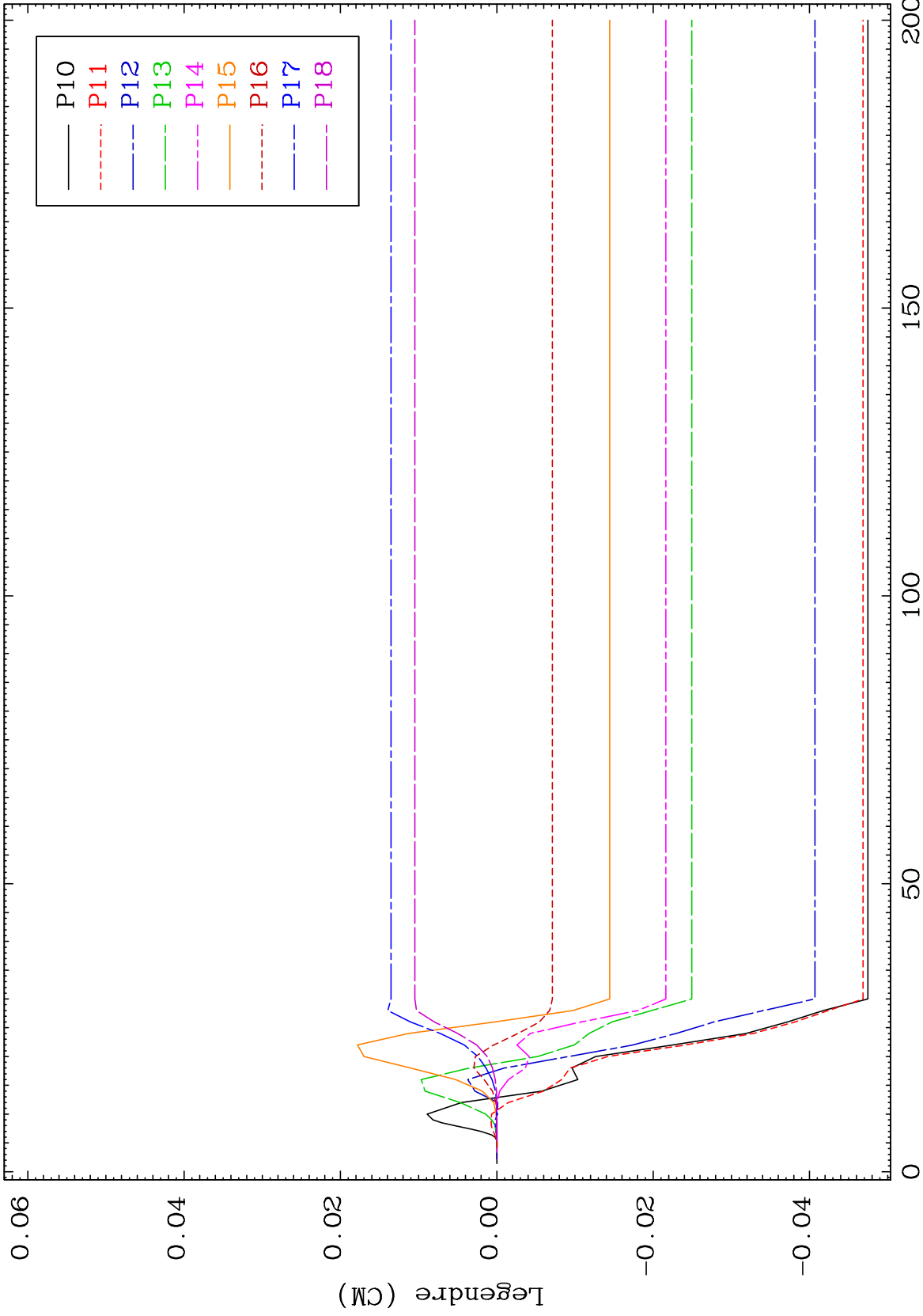


64 57-La-133

MAT 5710

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

57-La-133



65

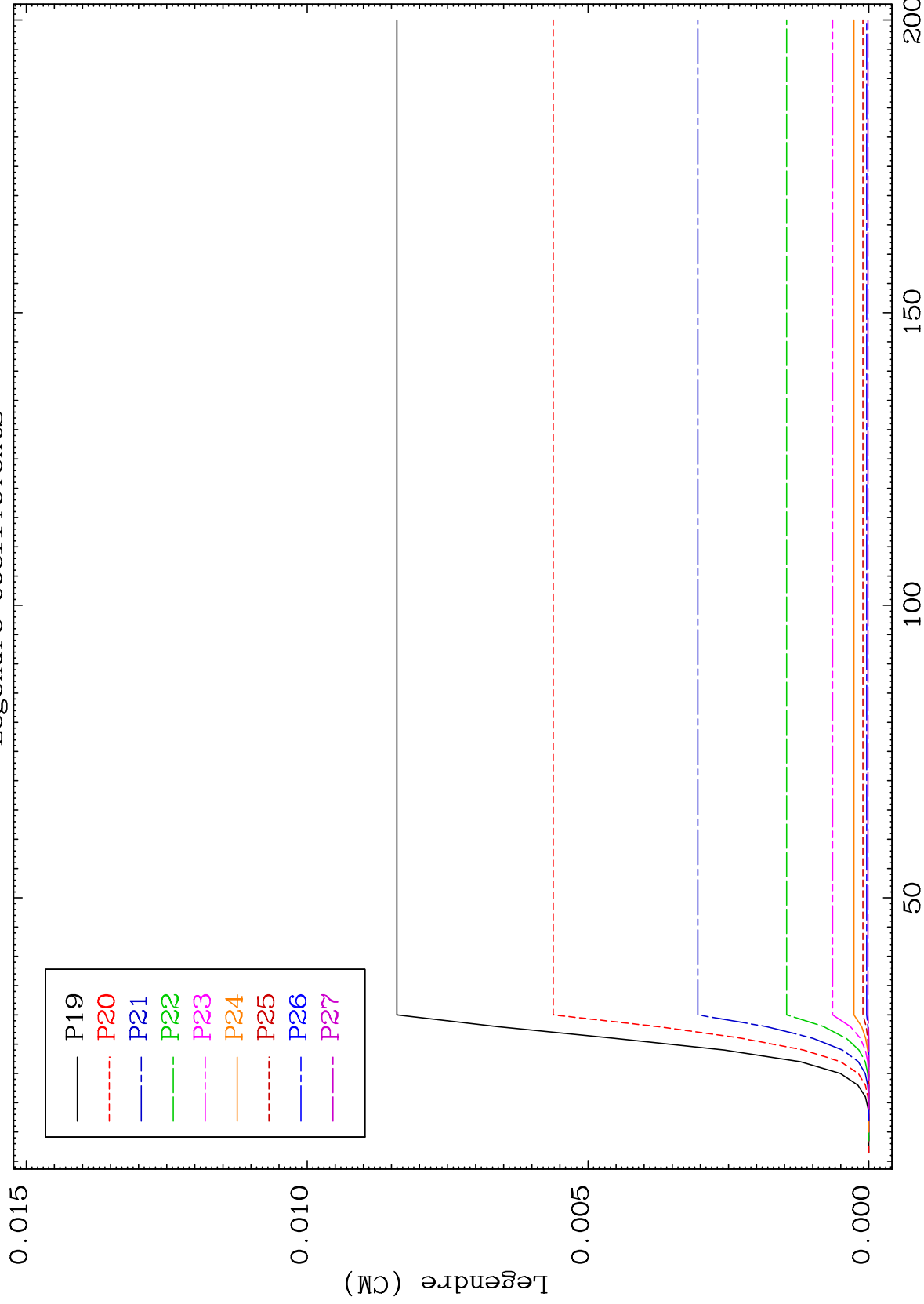
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



66

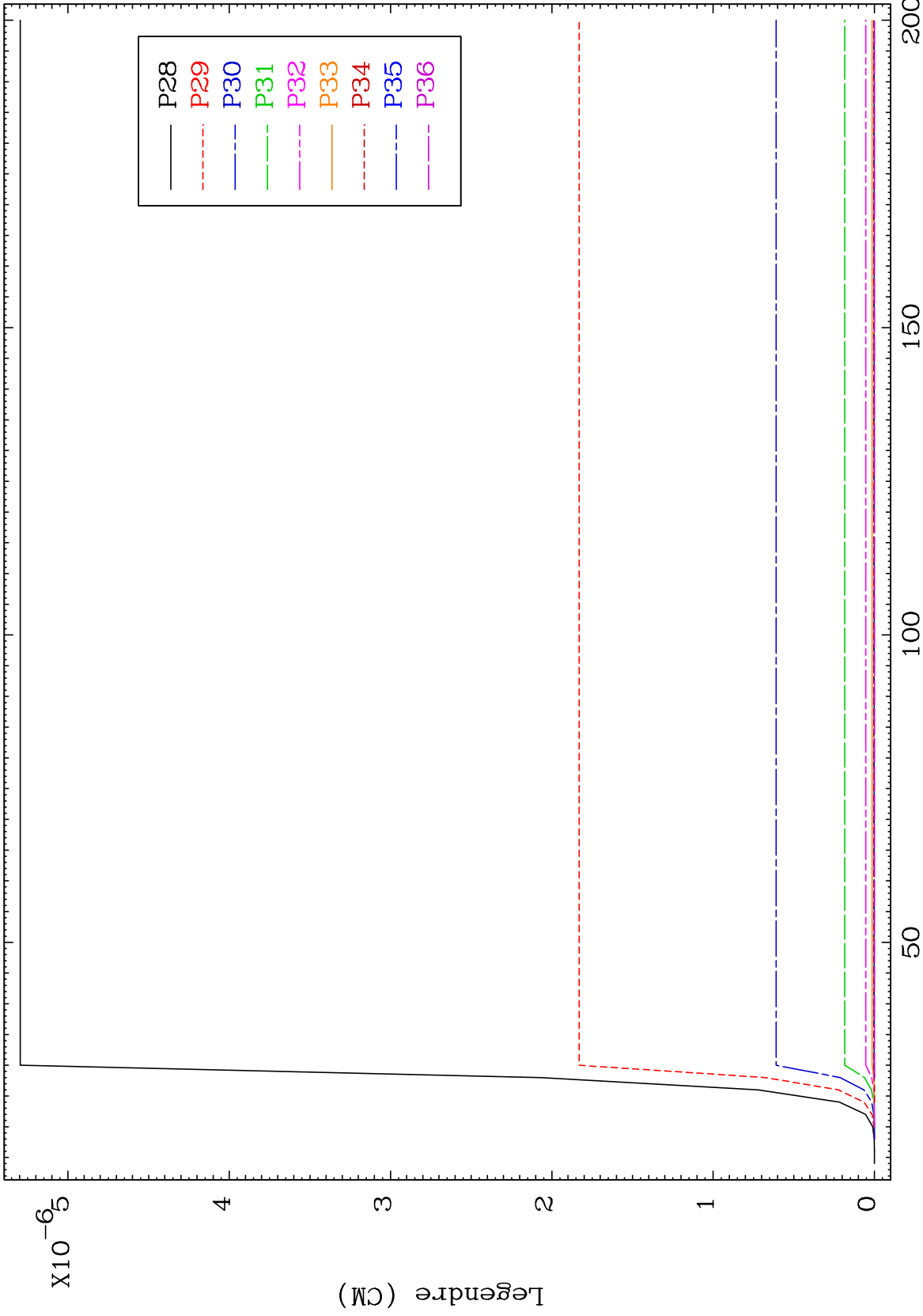
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



67

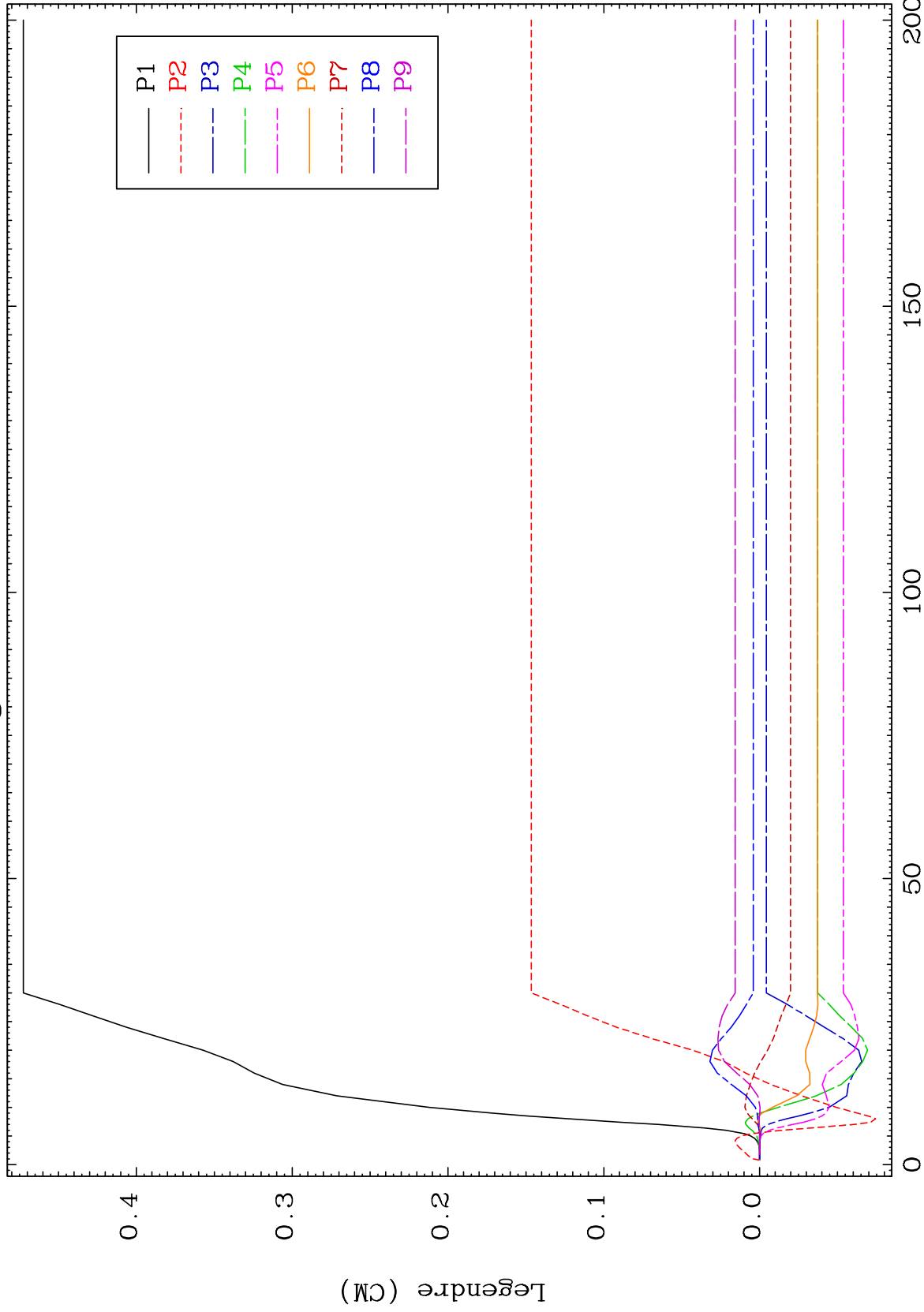
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



68

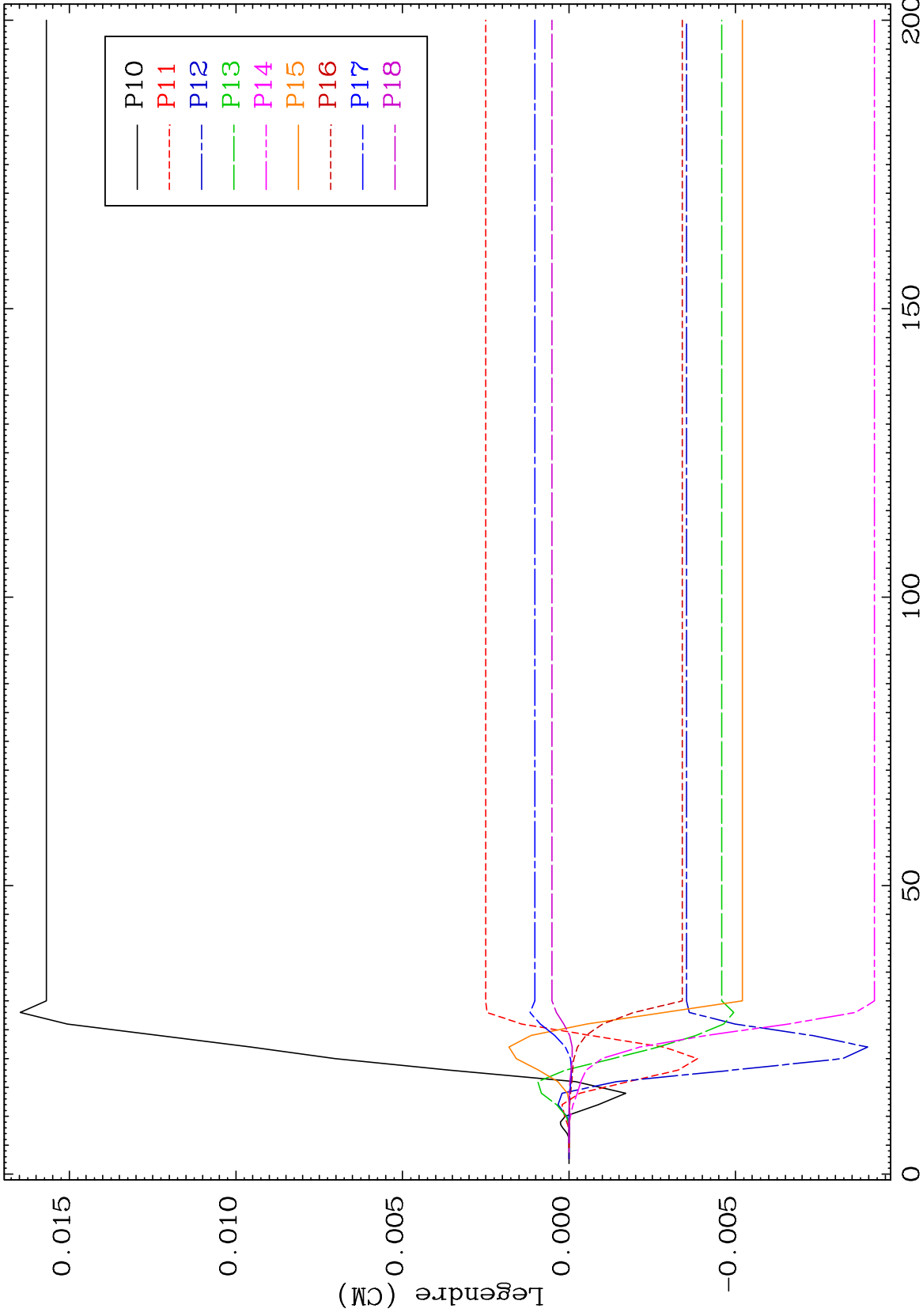
57-La-133

57-La-133

MAT 5710

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

57-La-133



69

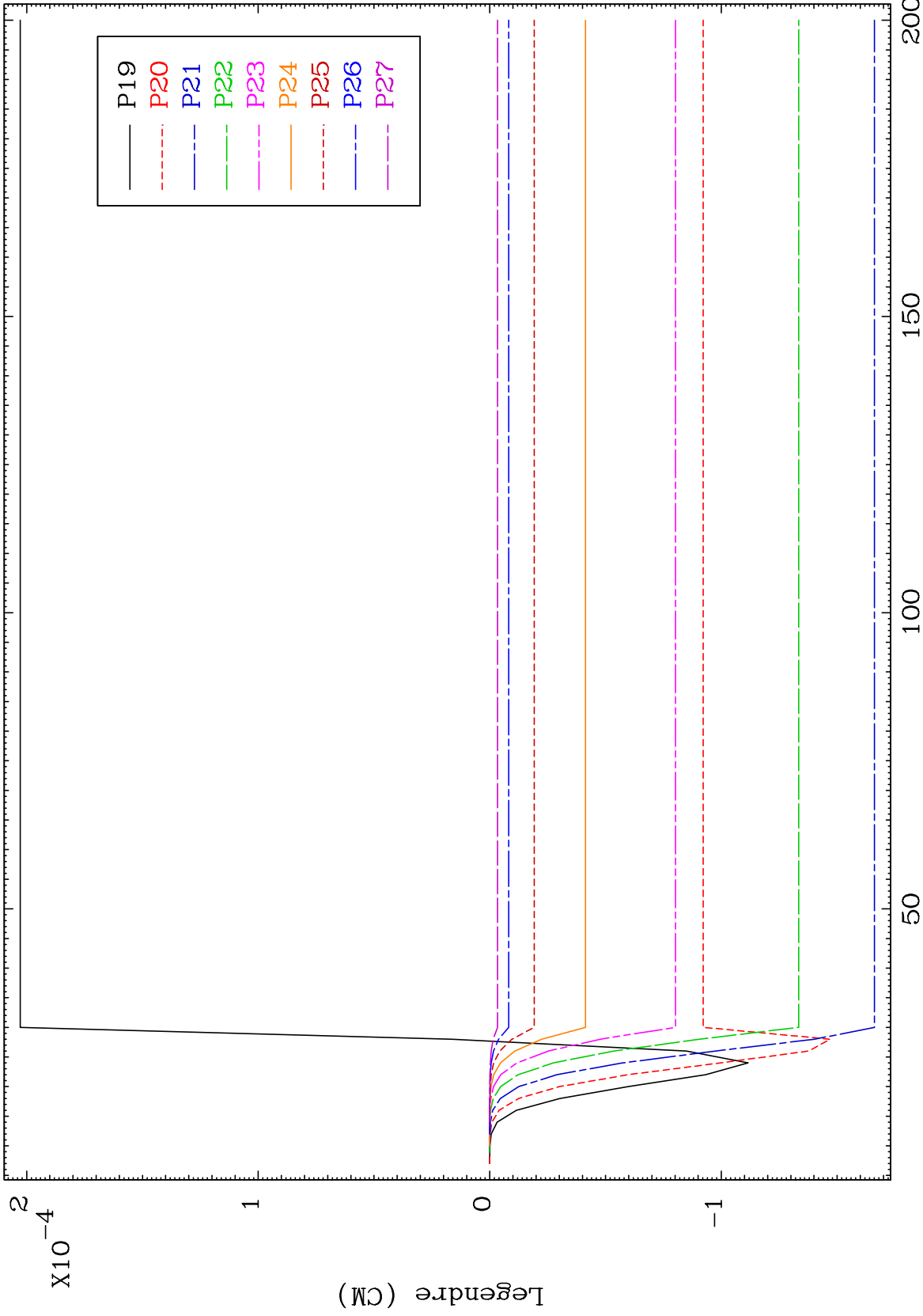
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



70

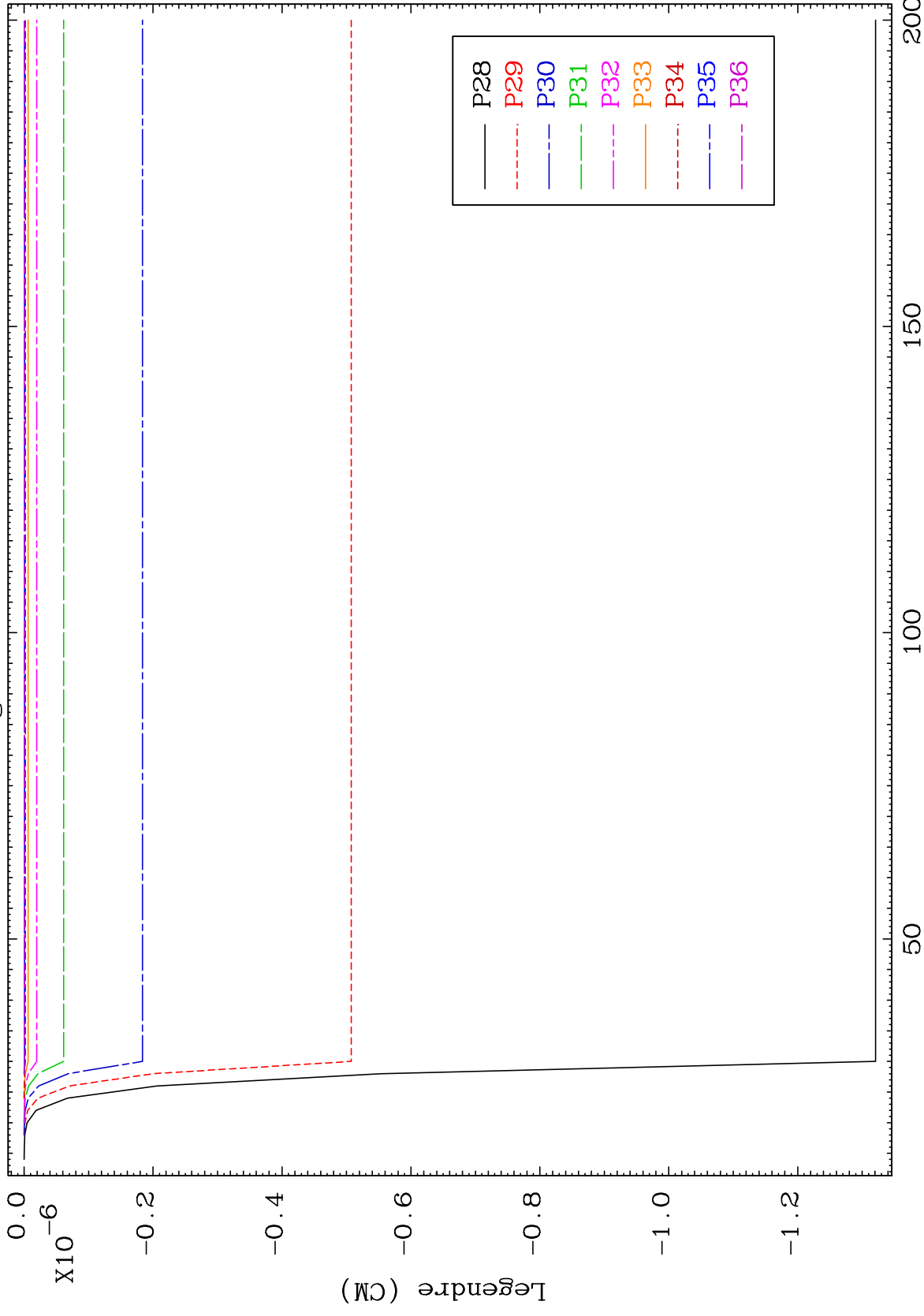
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



57-La-133

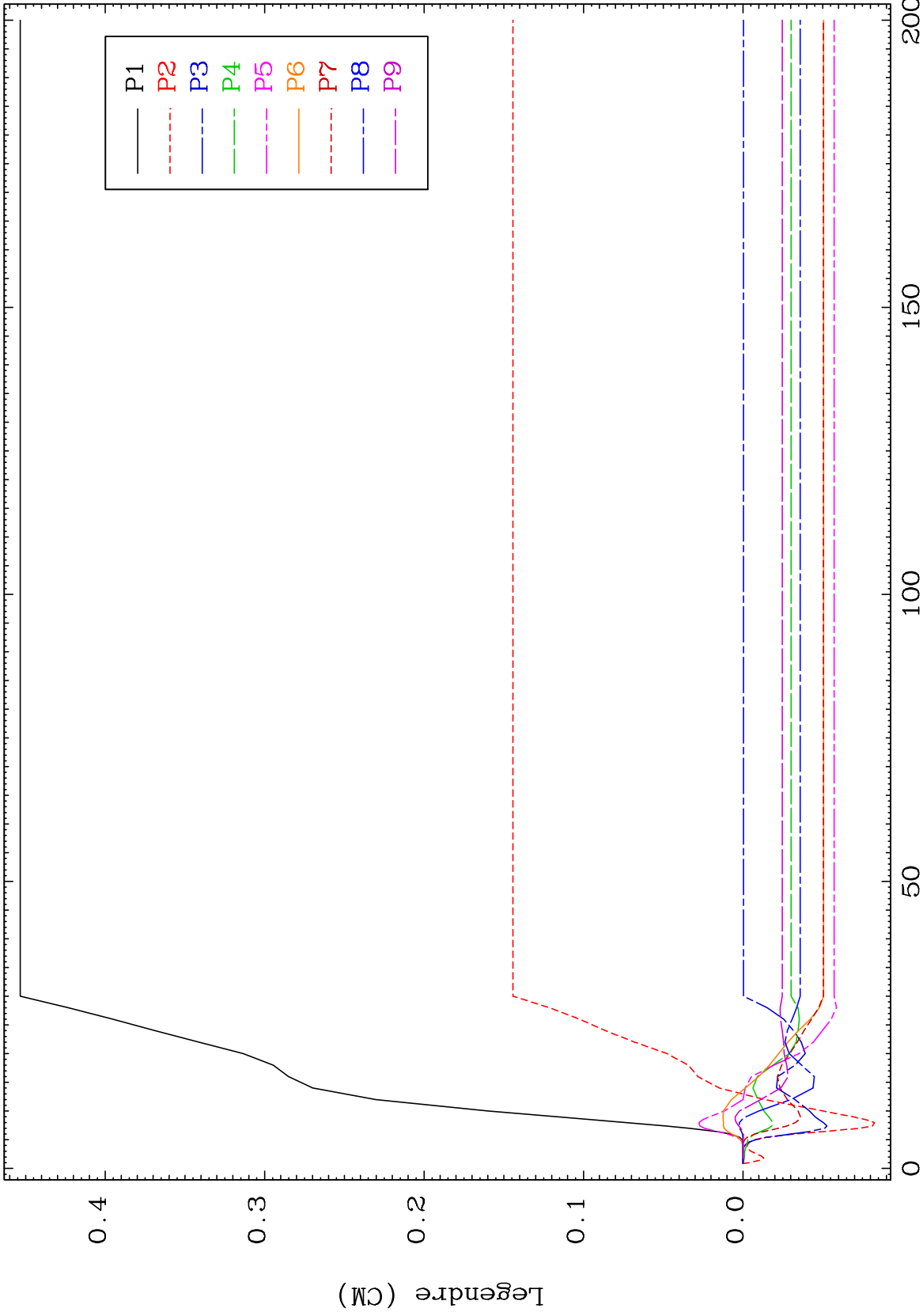
Incident Energy (MeV)

71

MAT 5710

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

57-La-133



72

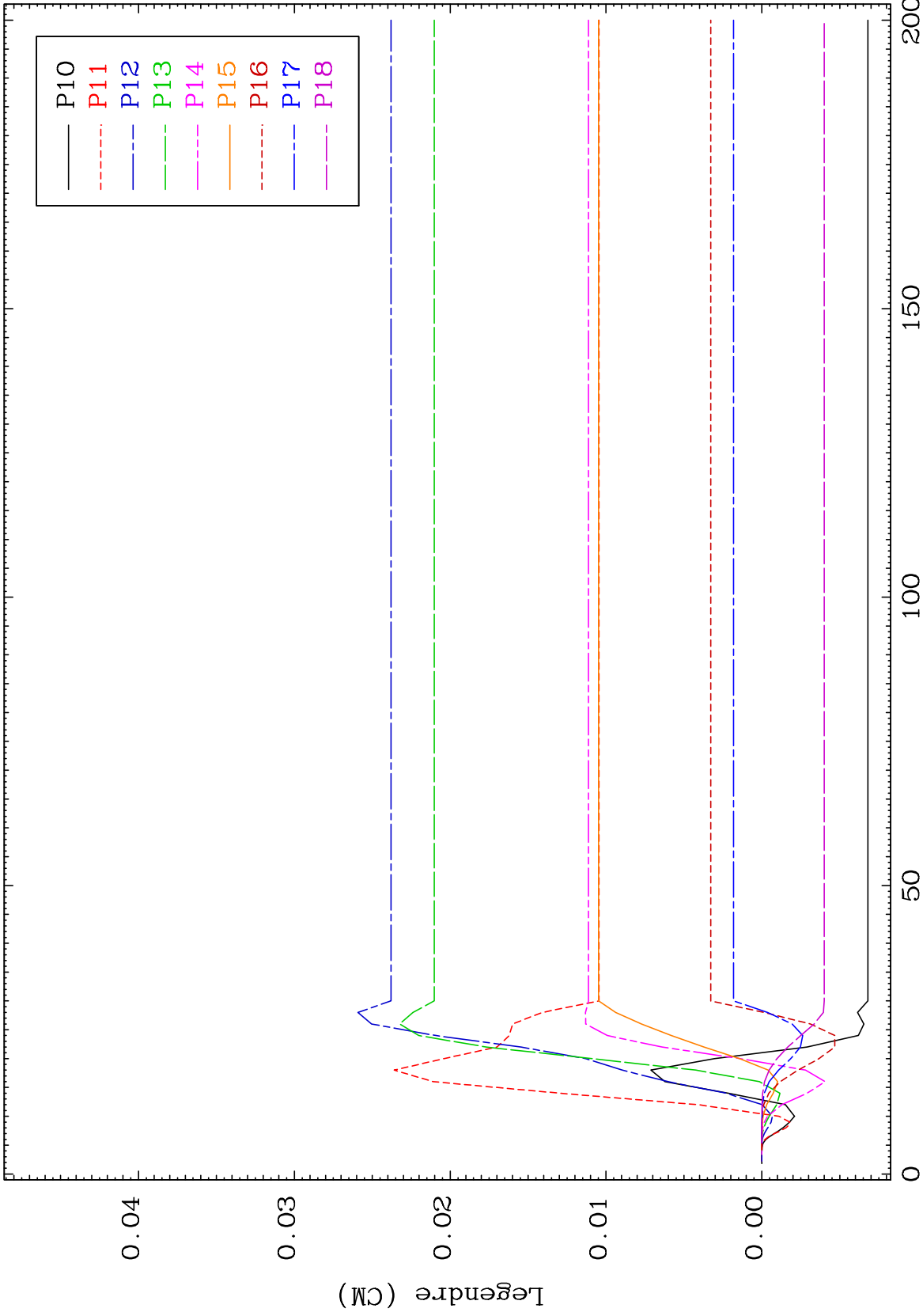
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



73

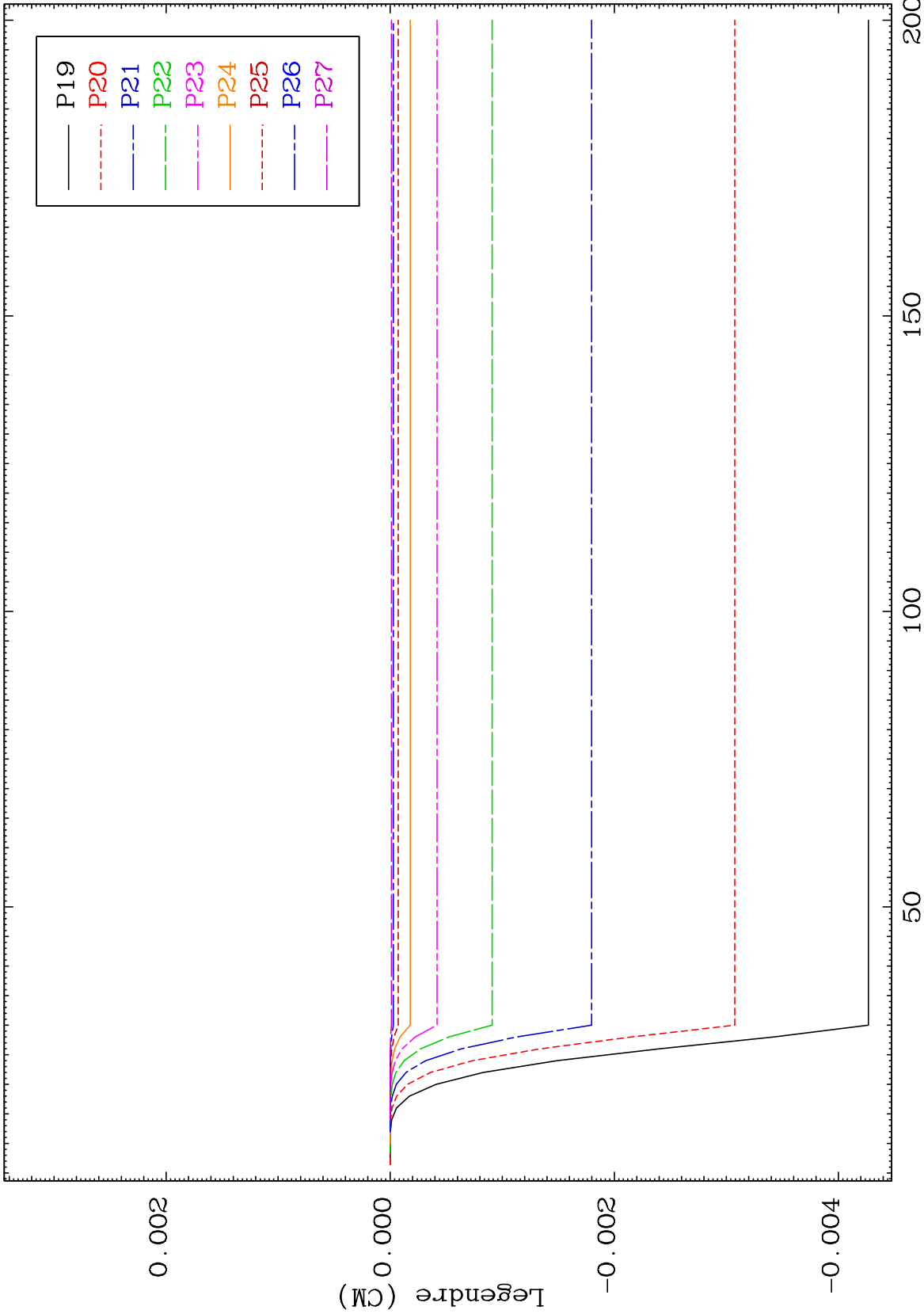
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



74

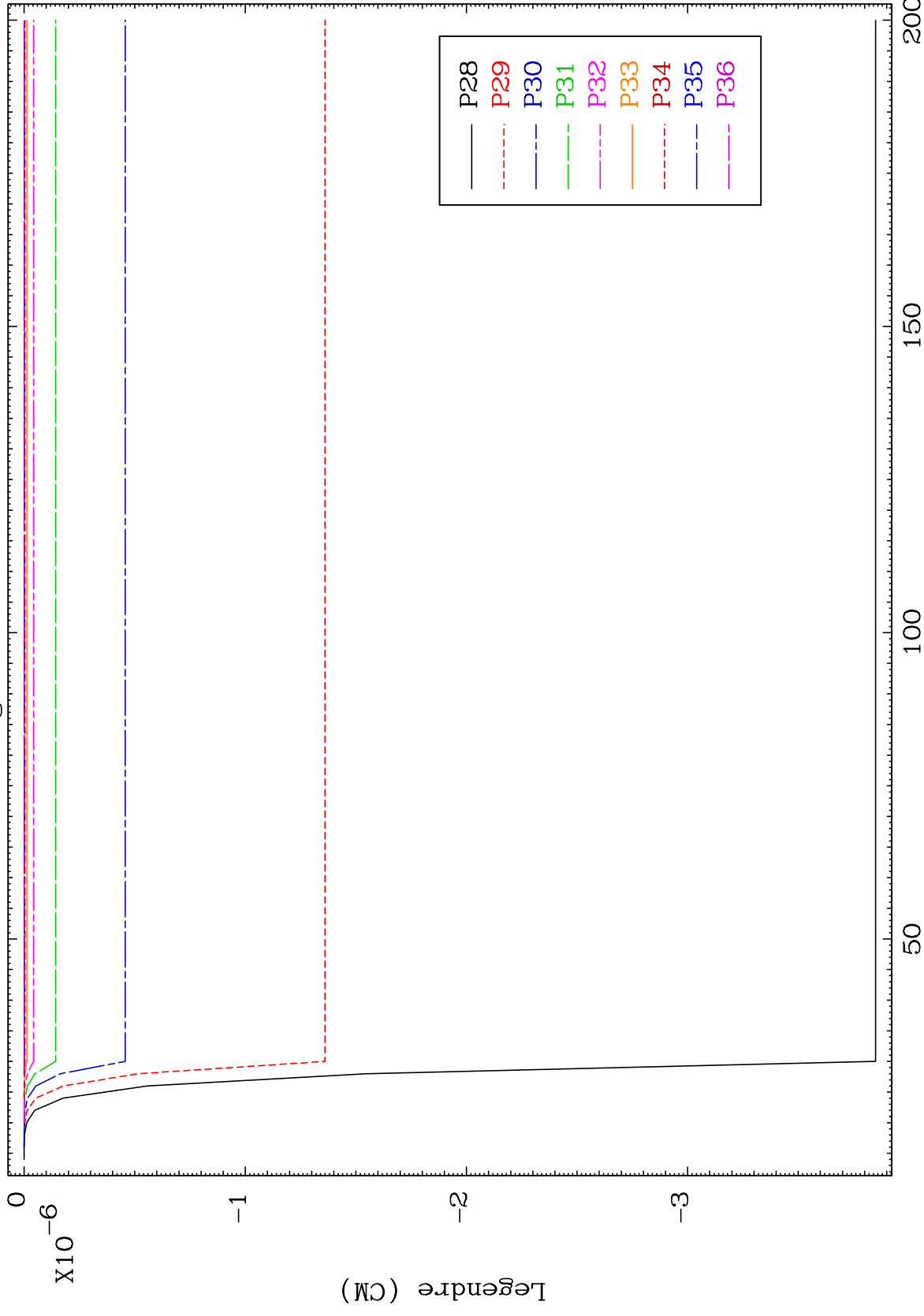
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



57-La-133

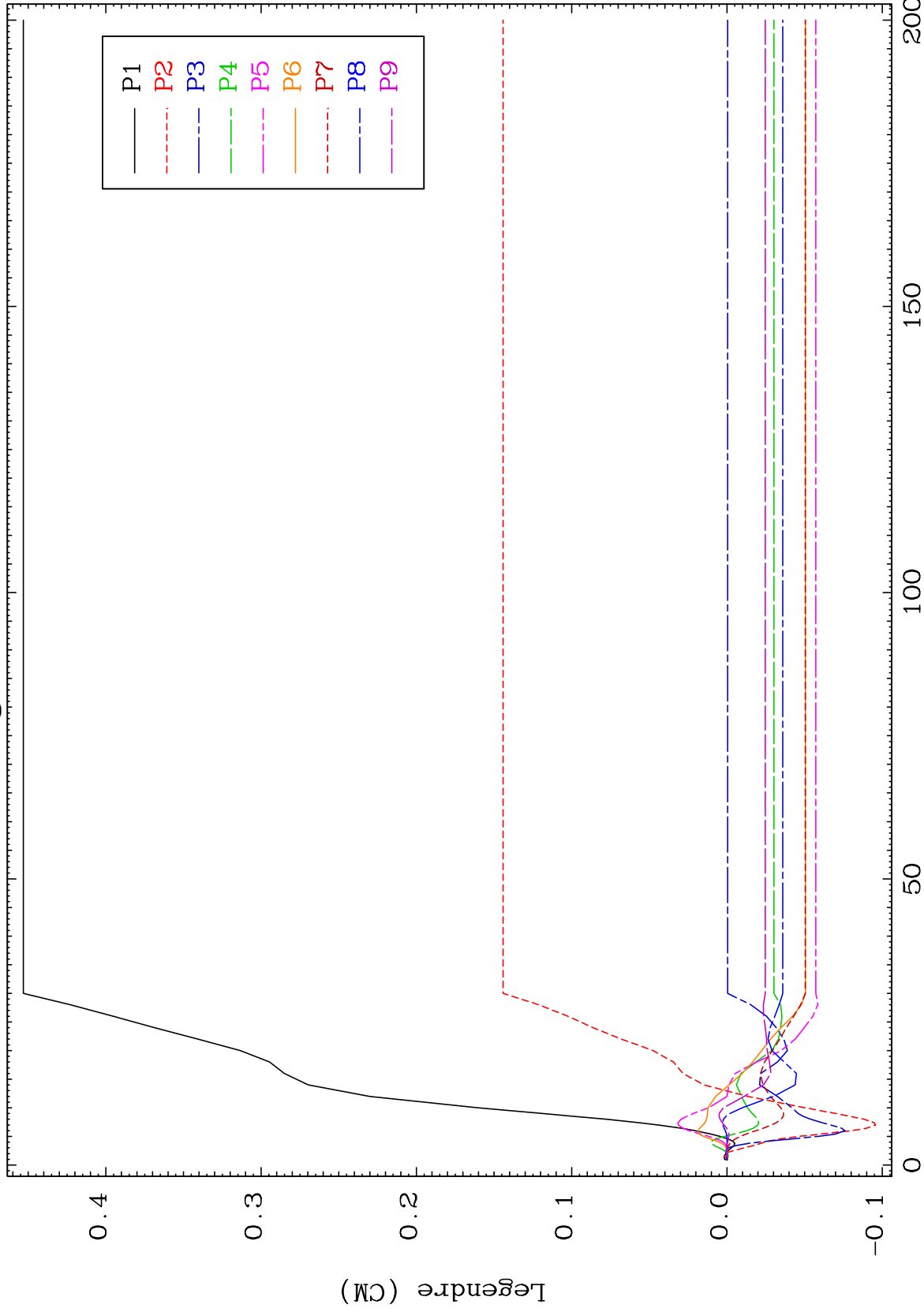
Incident Energy (MeV)

75

MAT 5710

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

57-La-133



76

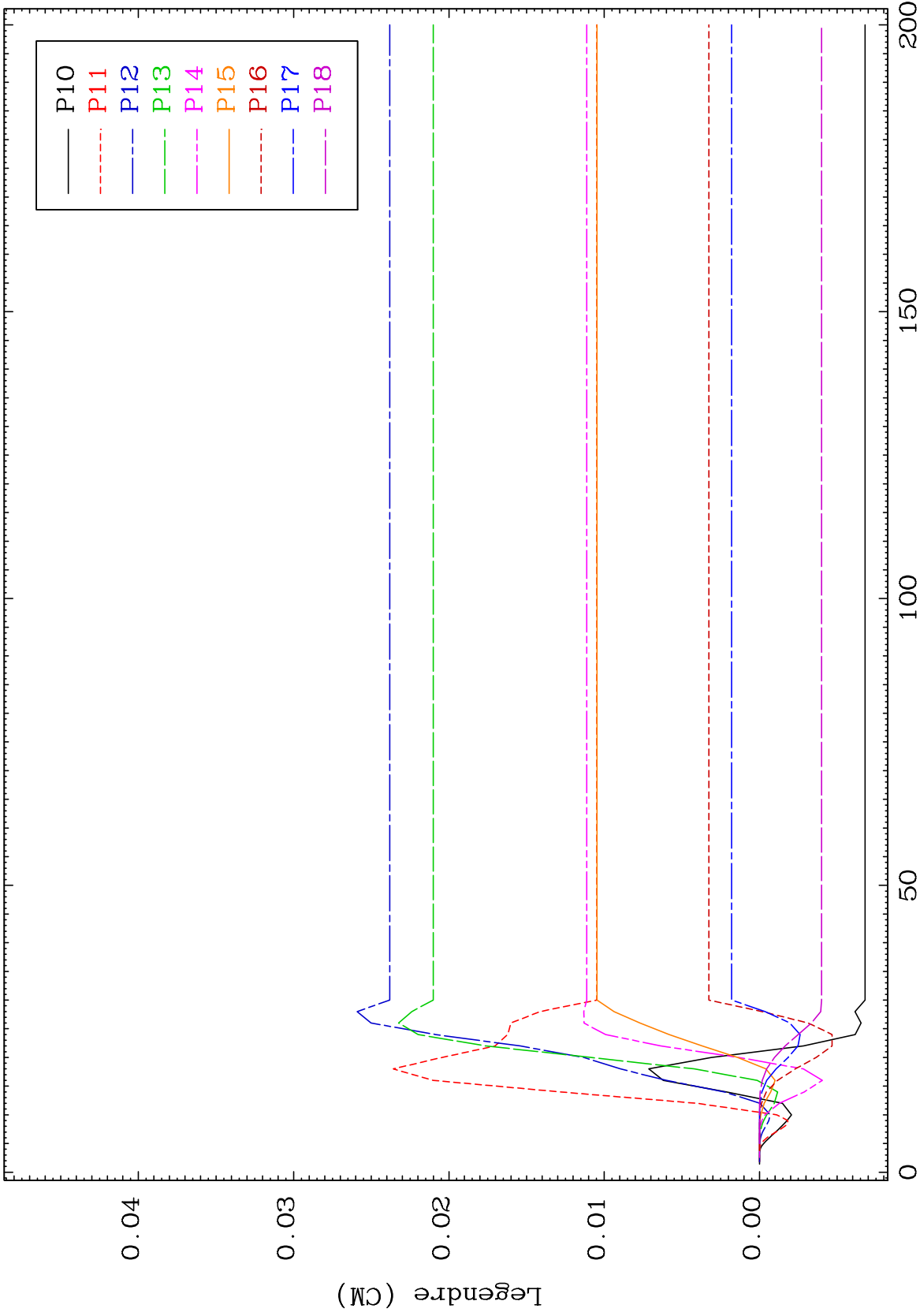
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



77

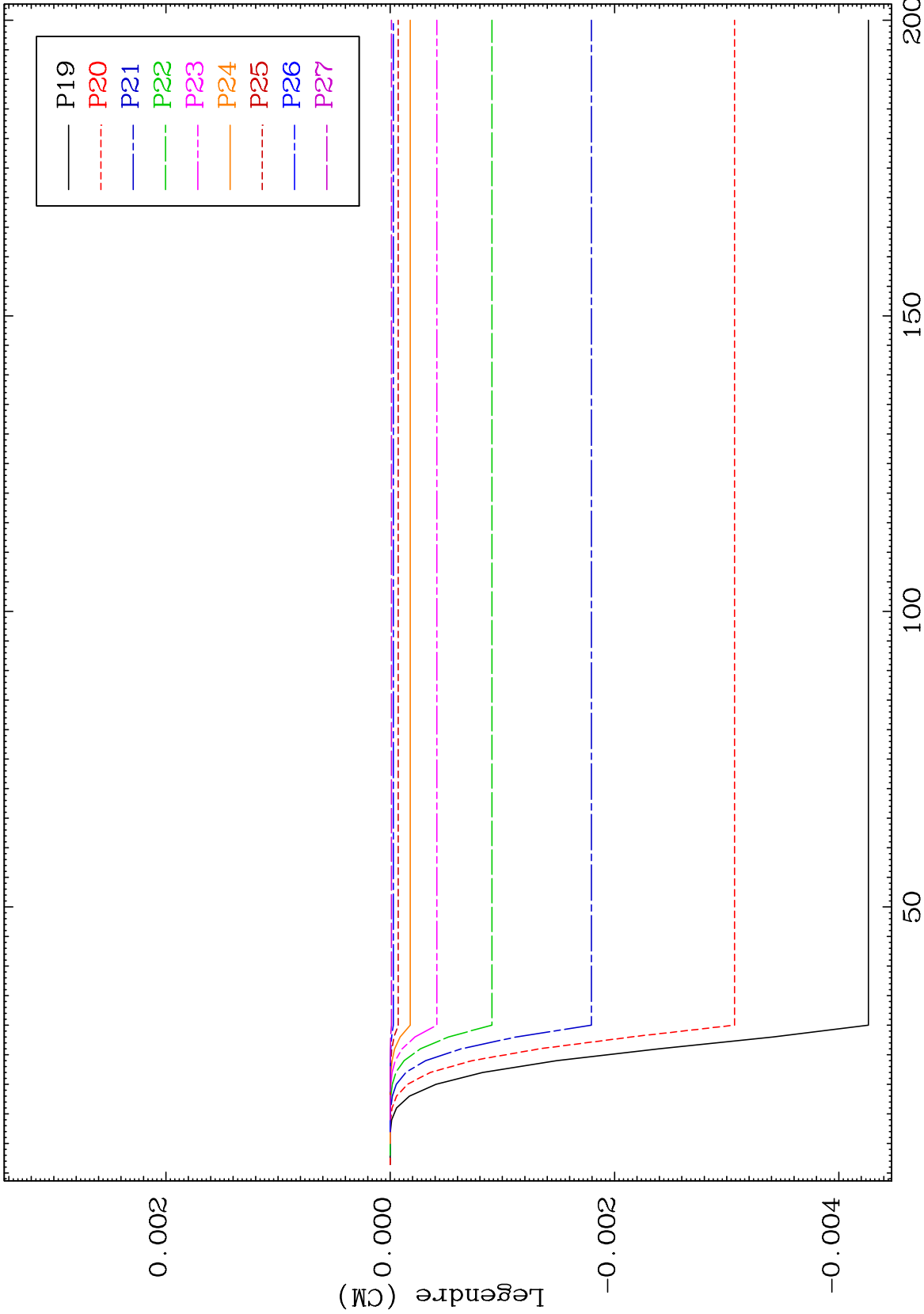
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



78

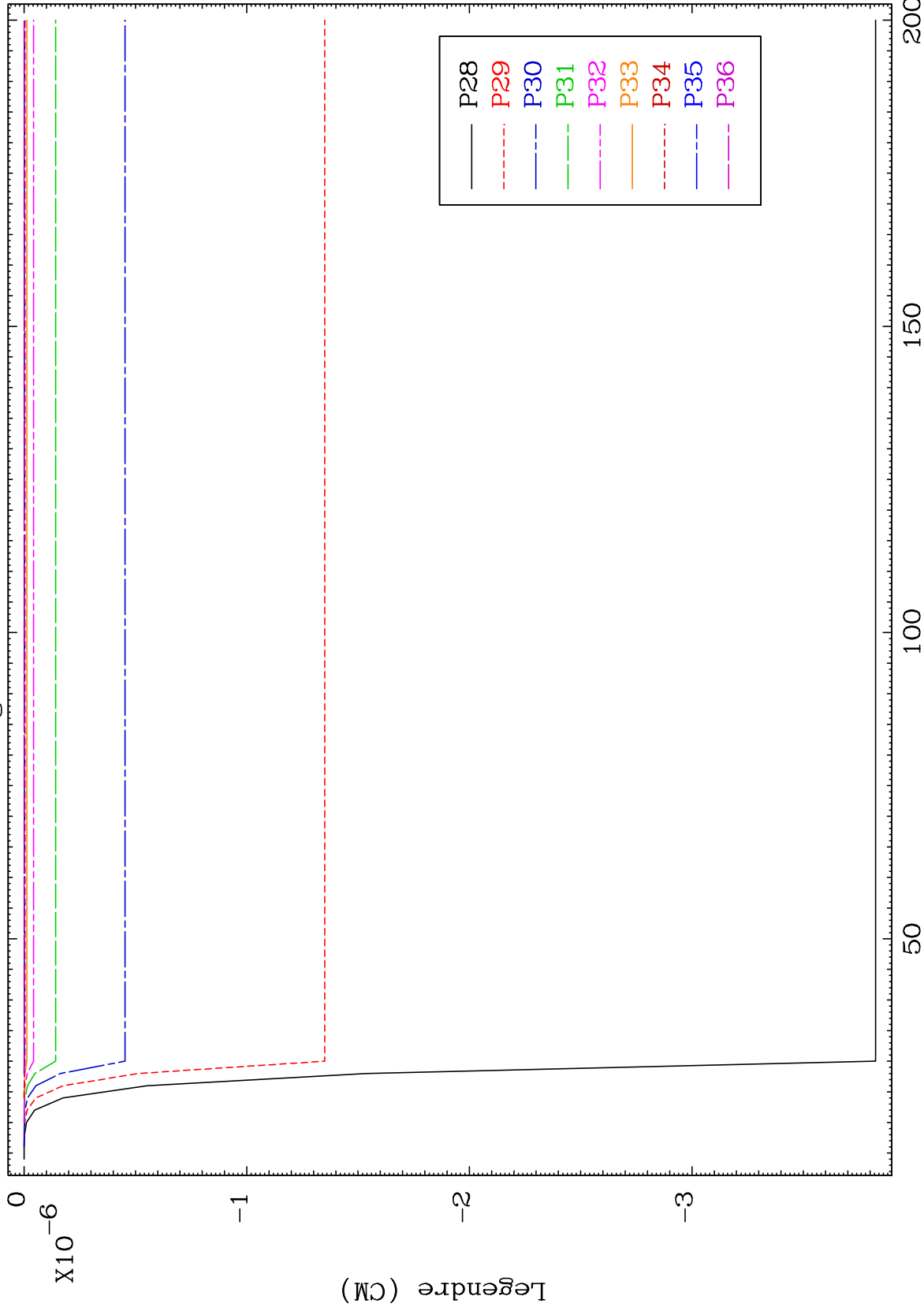
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



57-La-133

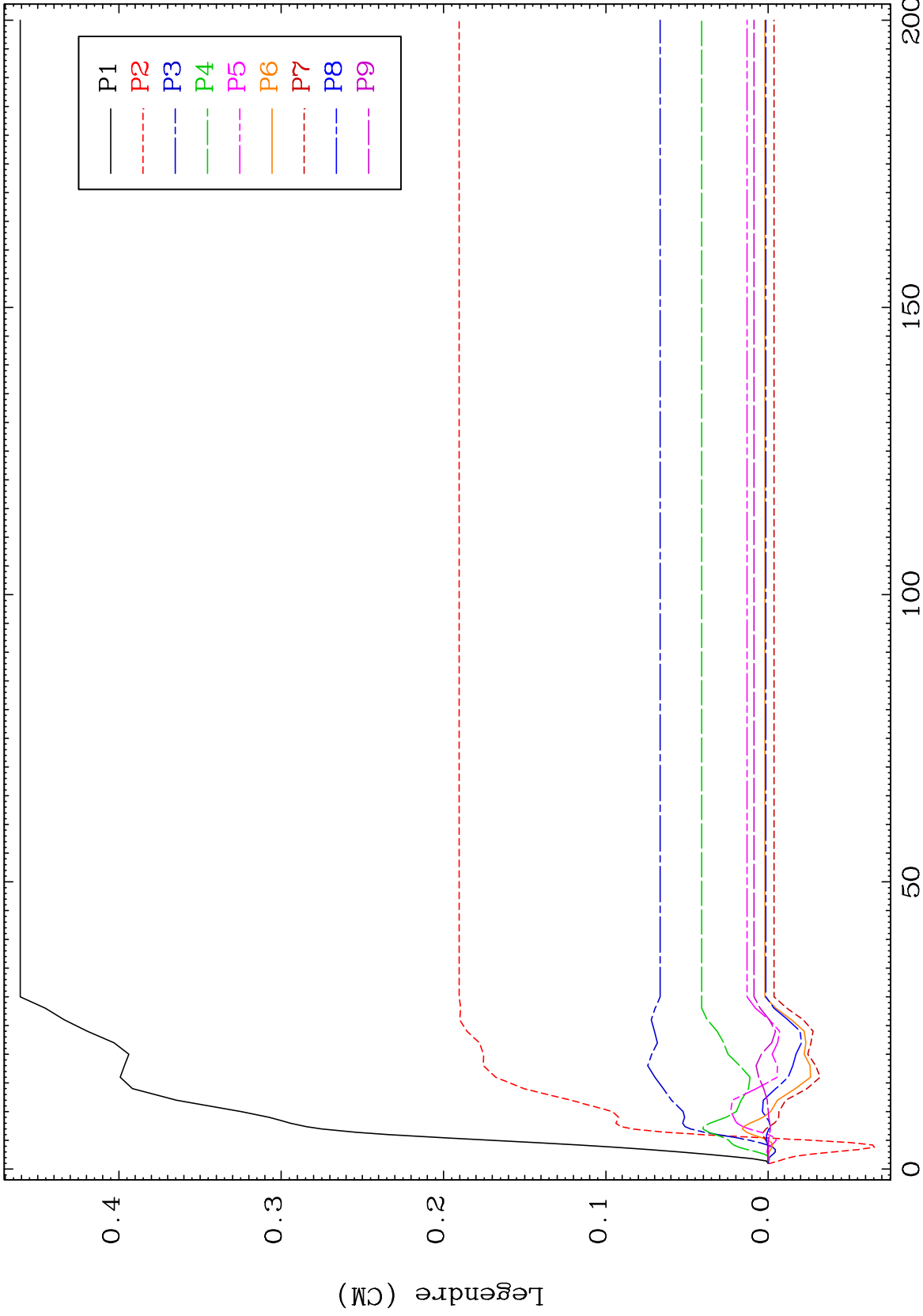
Incident Energy (MeV)

79

MAT 5710

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

57-La-133



80

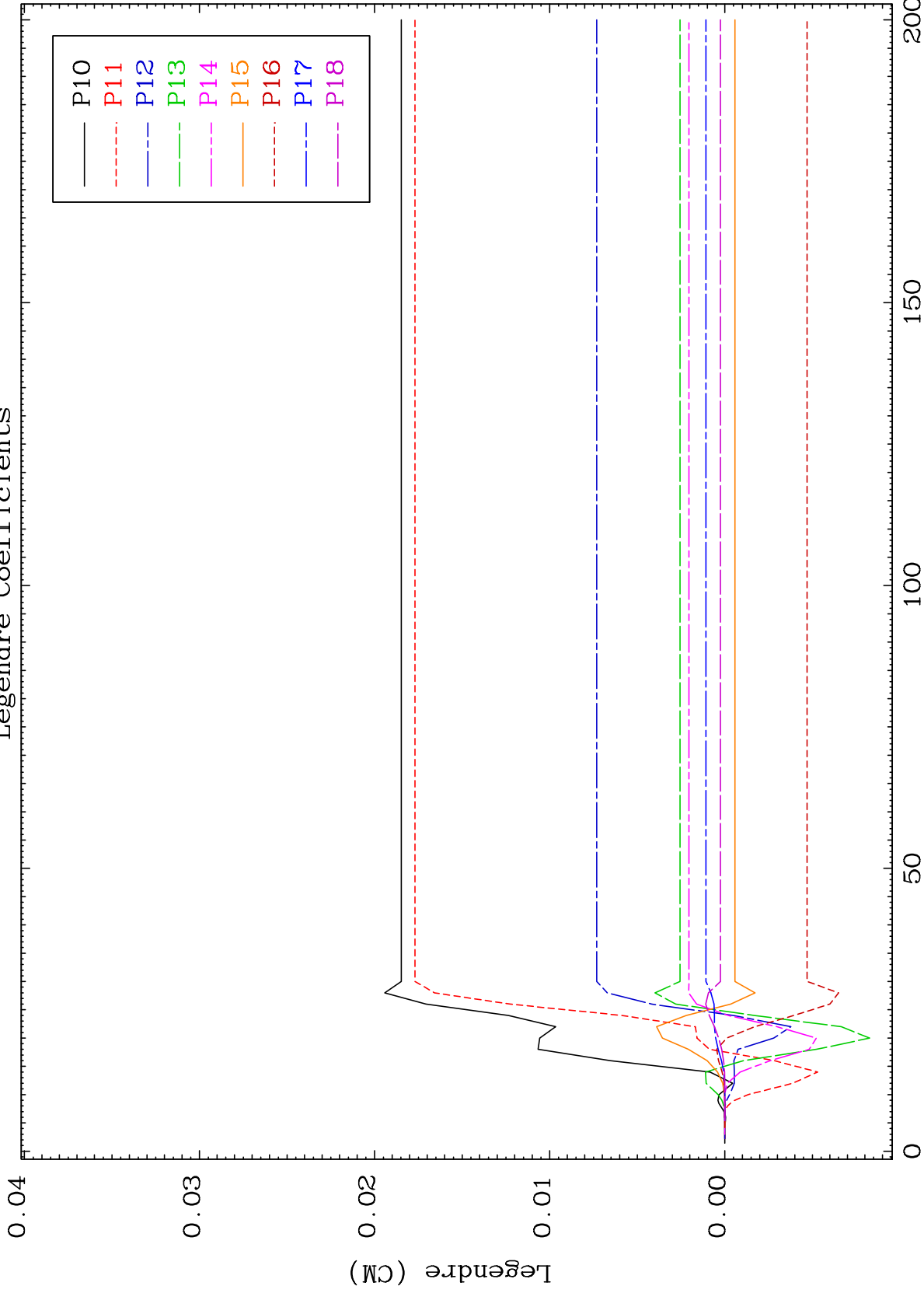
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



81

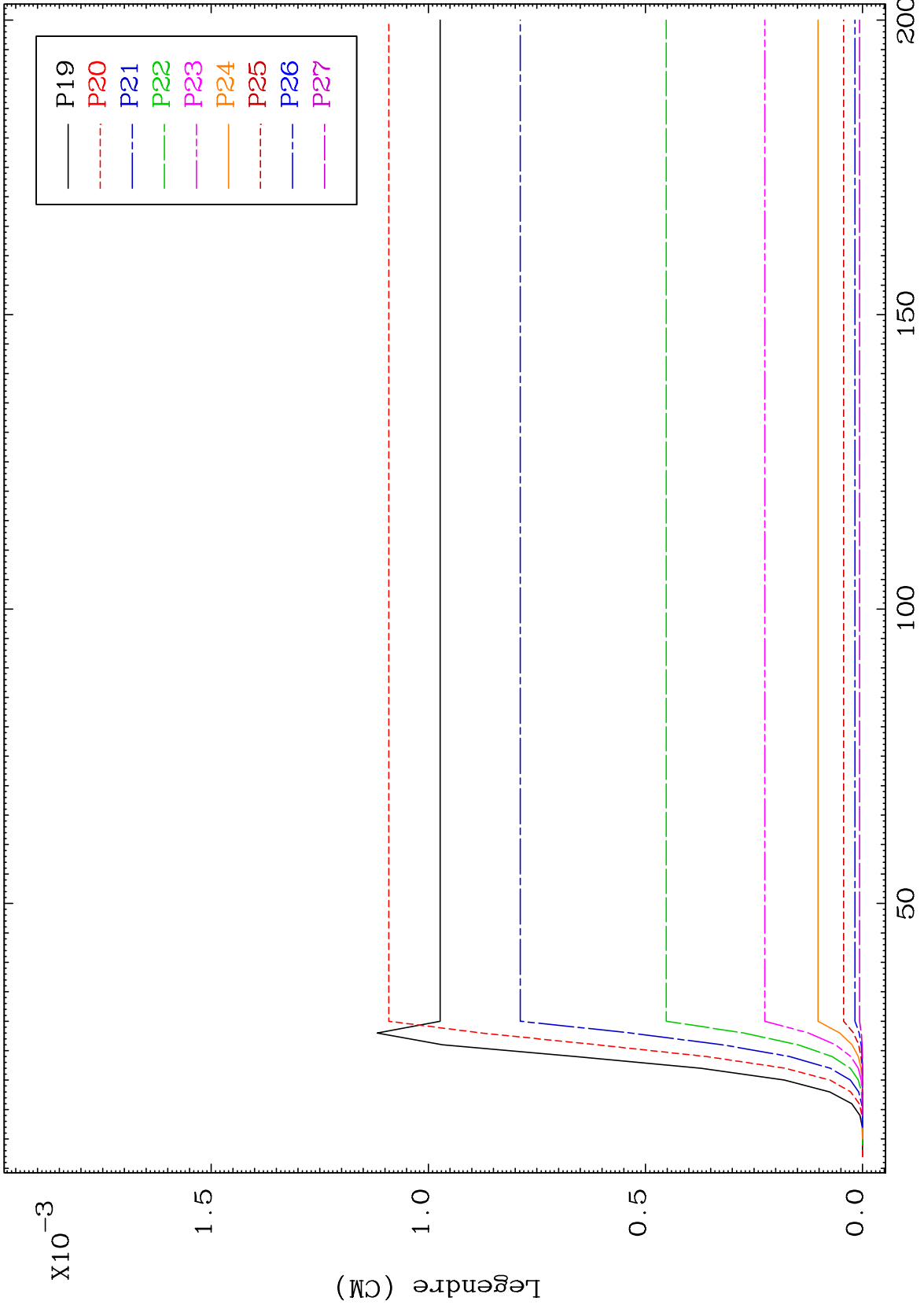
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



82

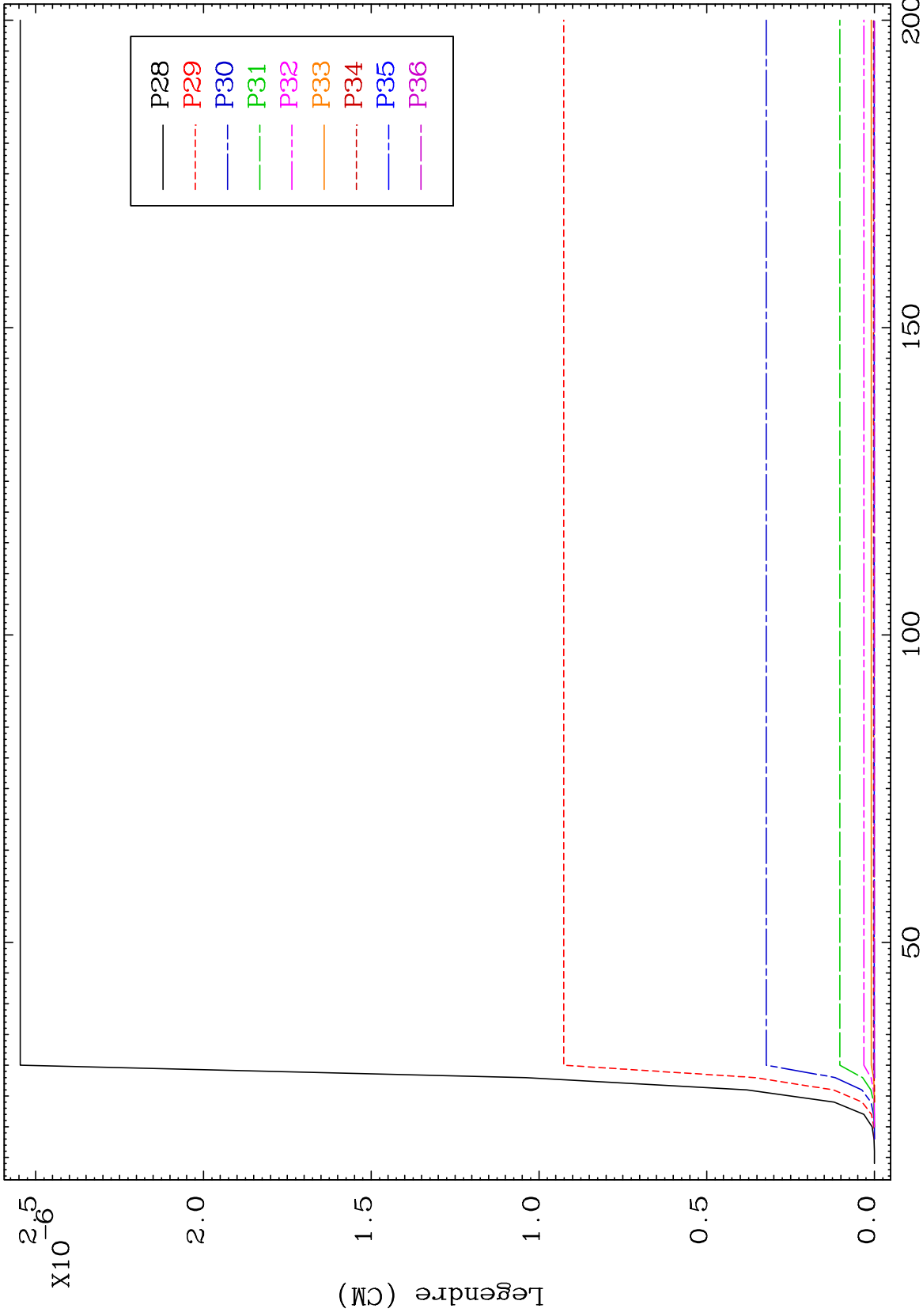
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



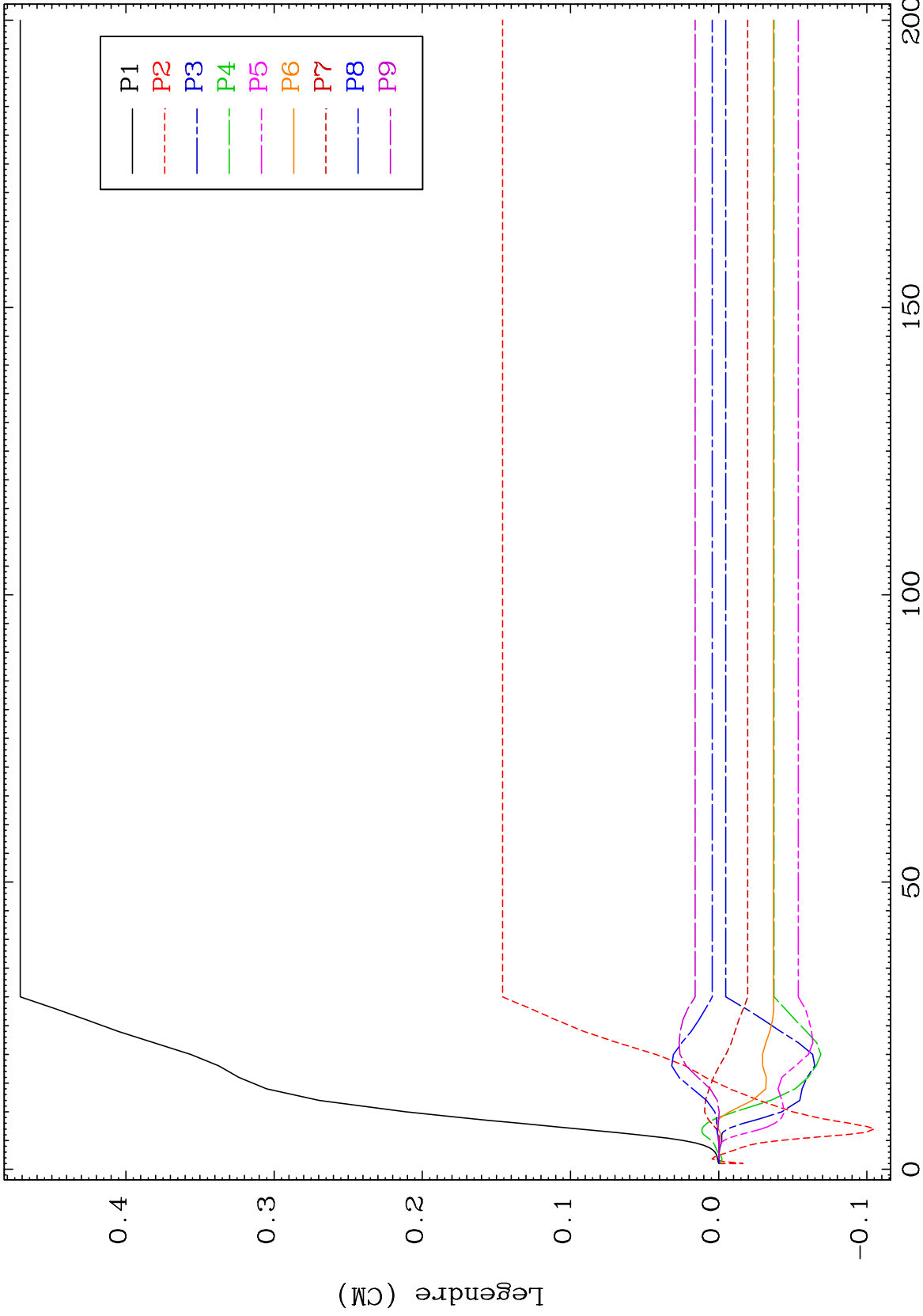
83

57-La-133

MAT 5710

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

57-La-133



84

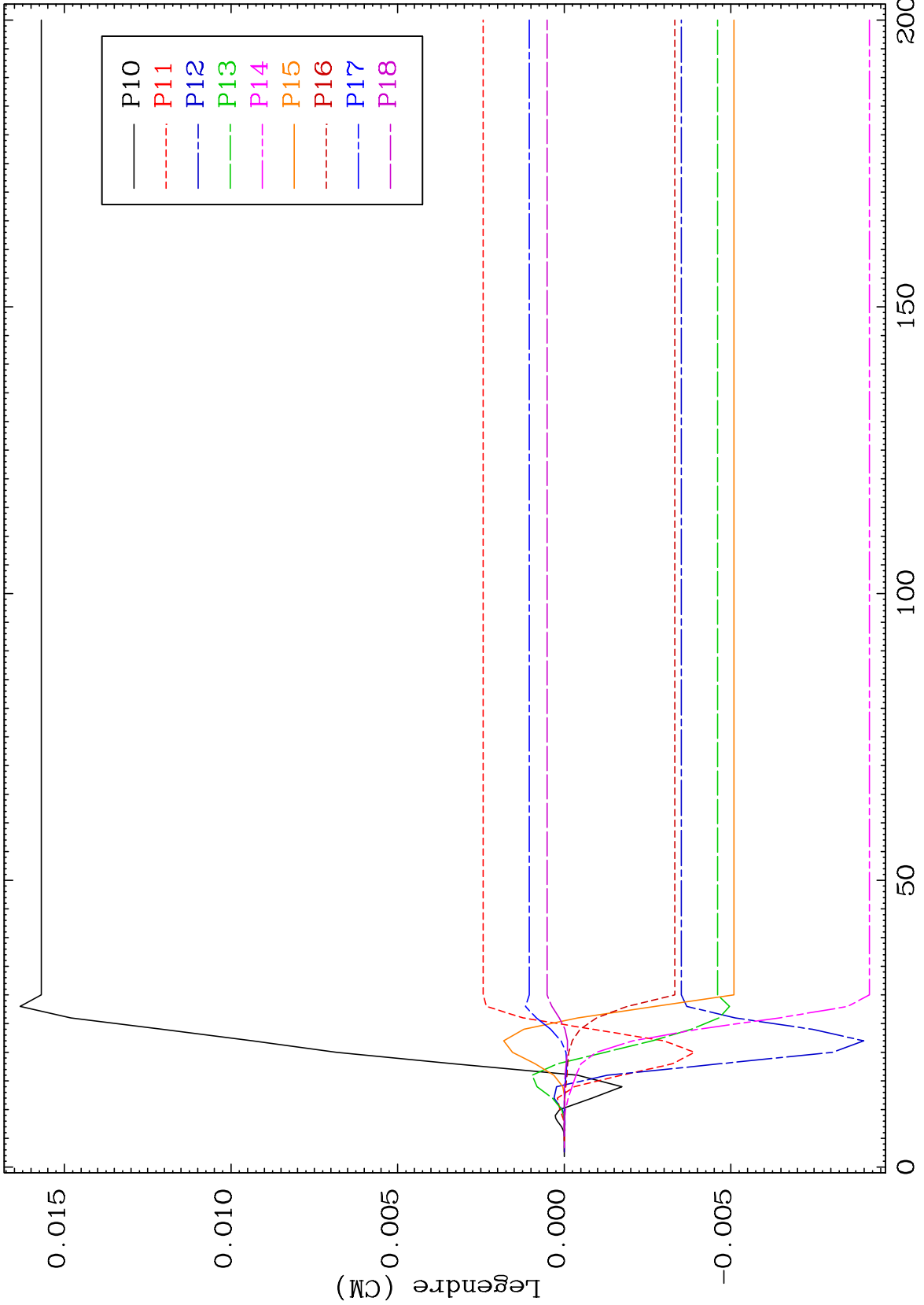
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



85

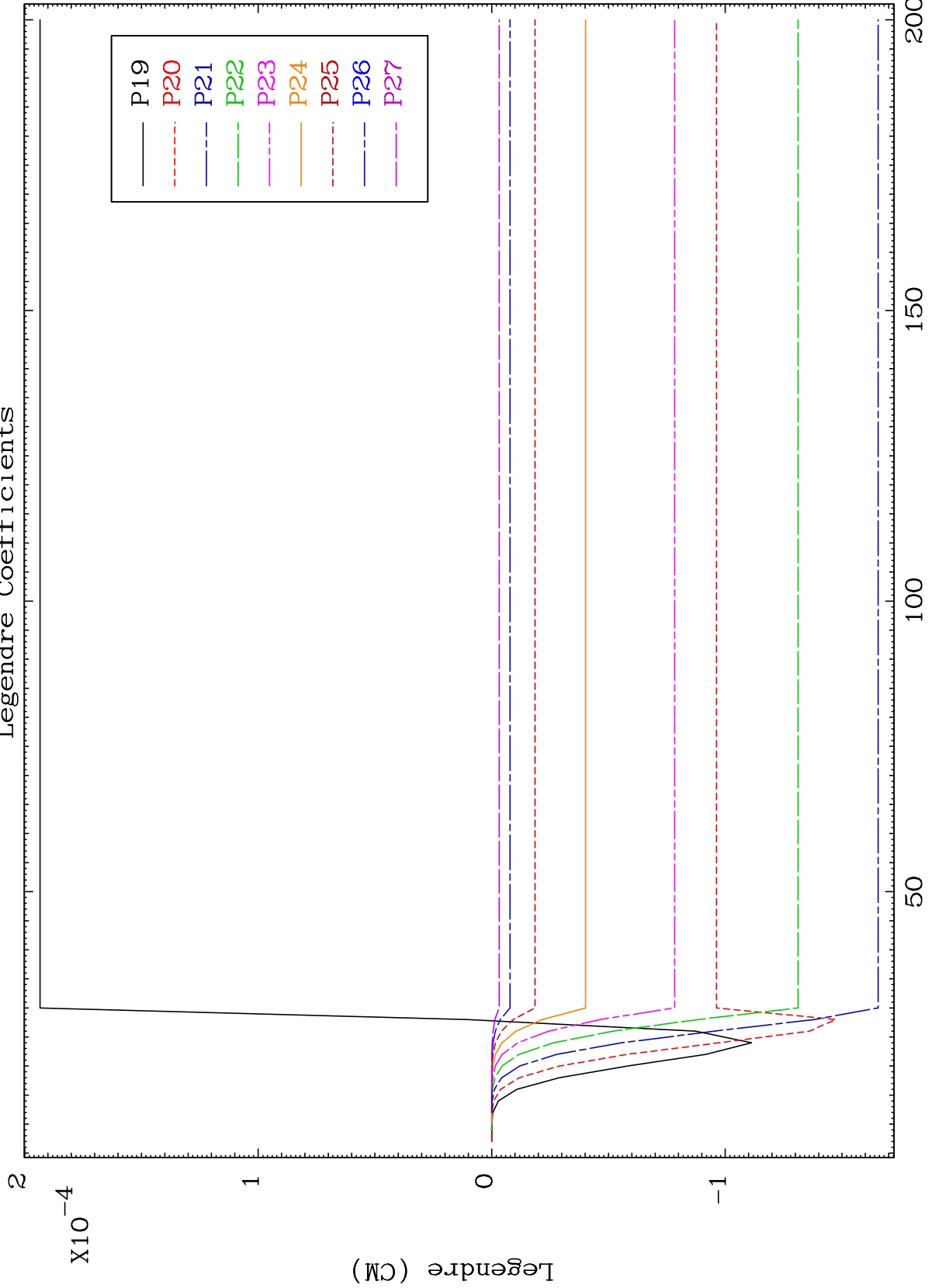
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



86

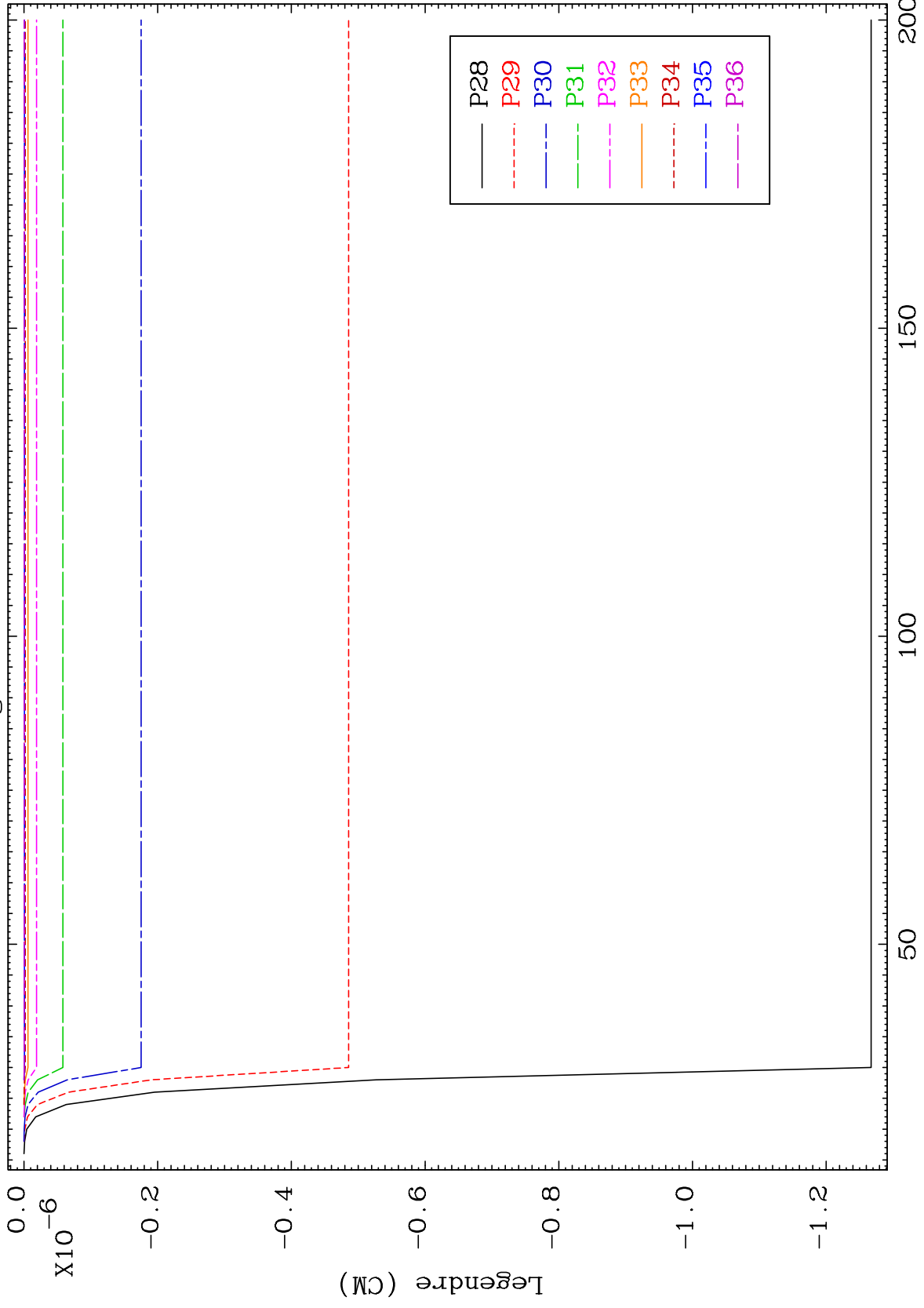
Incident Energy (MeV)

57-La-133

MAT 5710

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

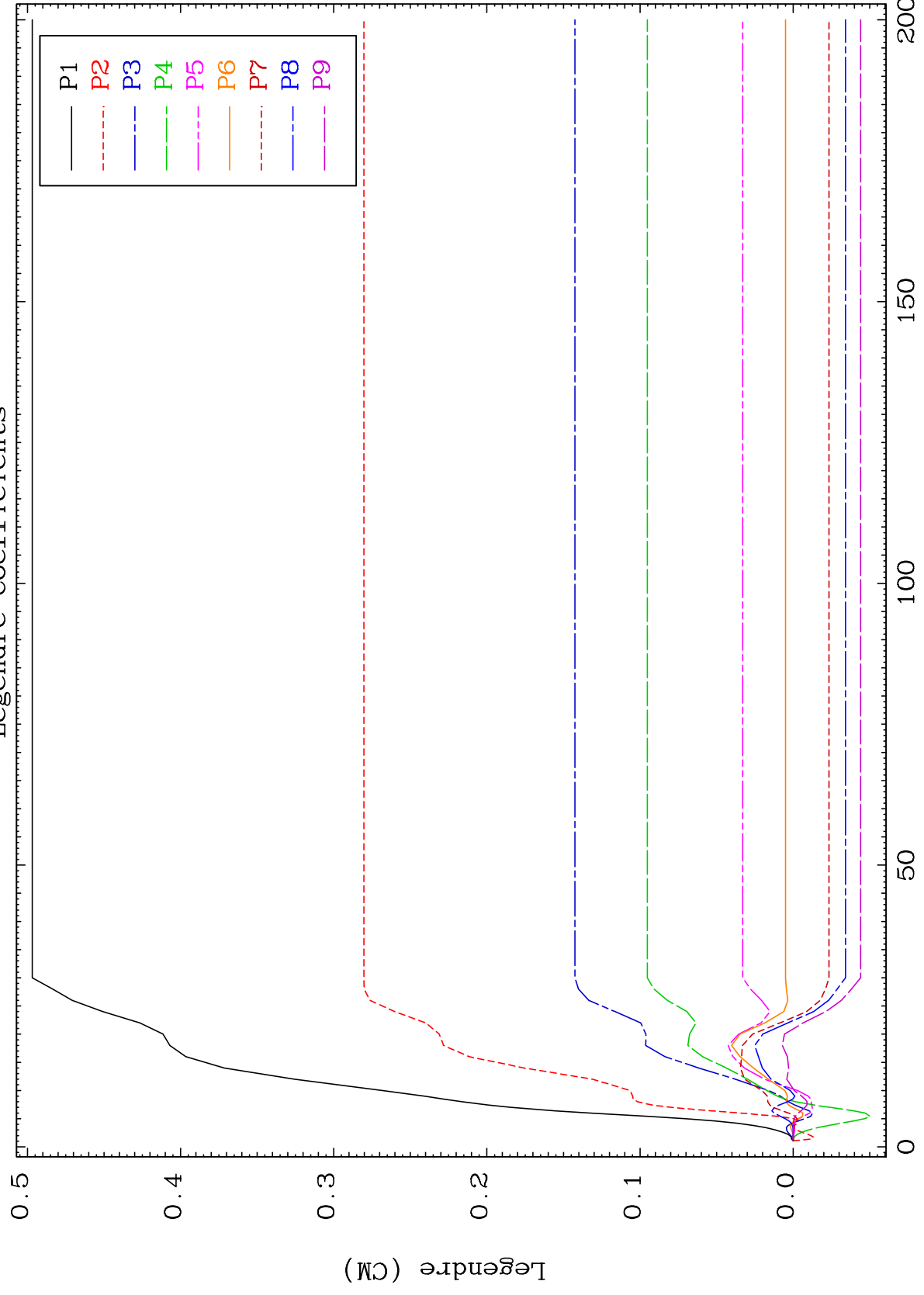
57-La-133



87

57-La-133

MAT 5710 MT= 68 (n,n') Level Legendre Coefficients 57-La-133

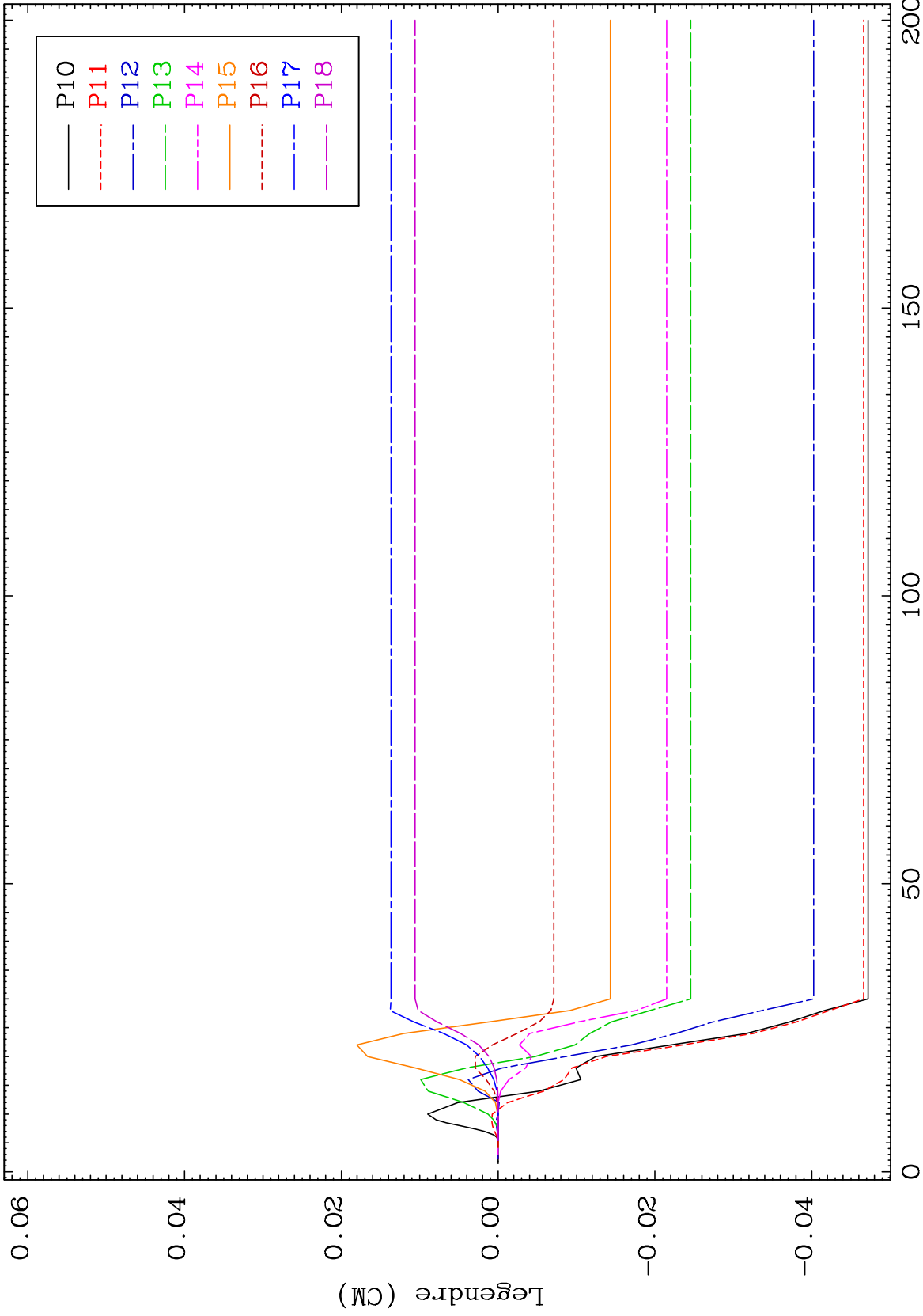


88 57-La-133

MAT 5710

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

57-La-133



89

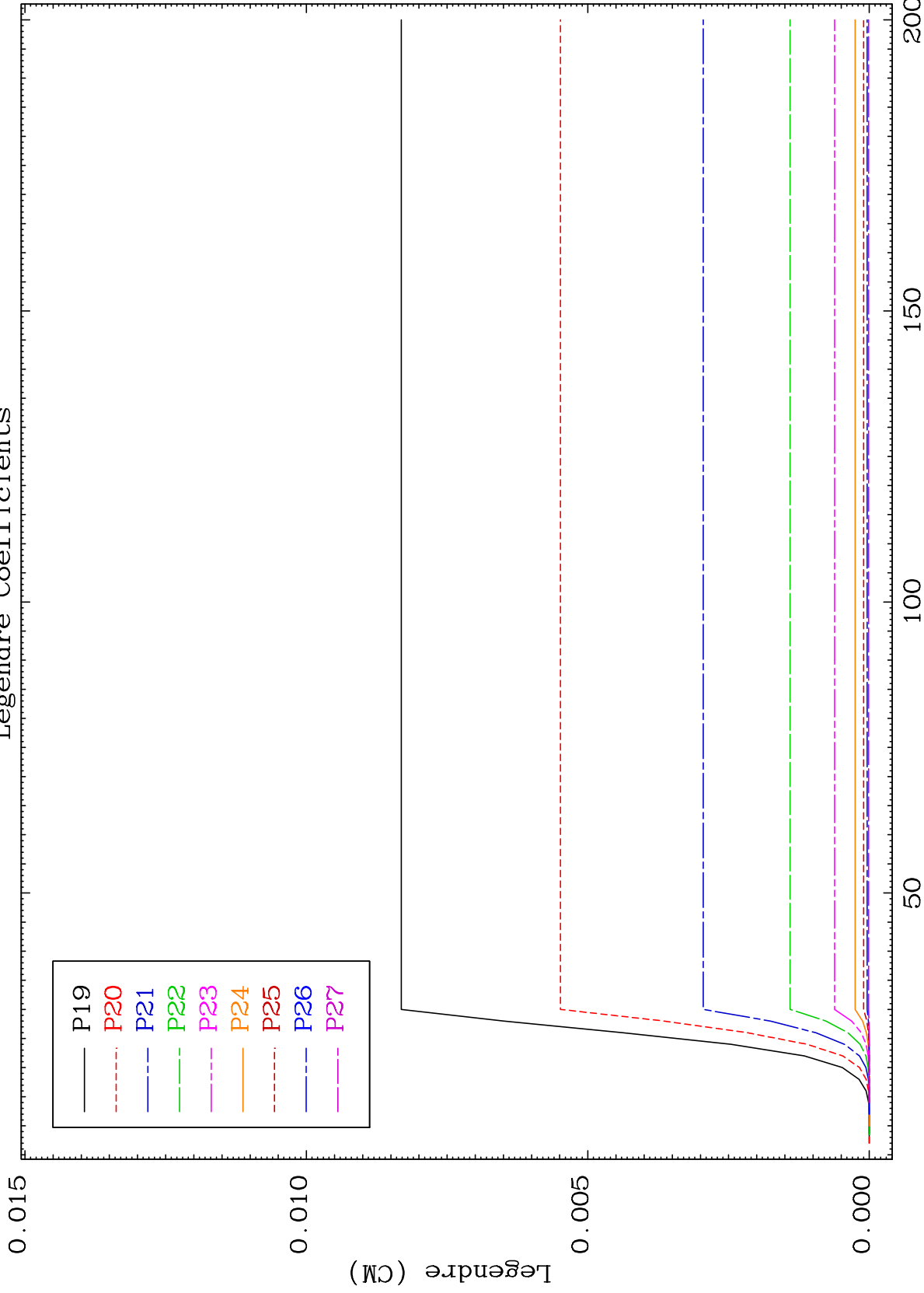
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



90

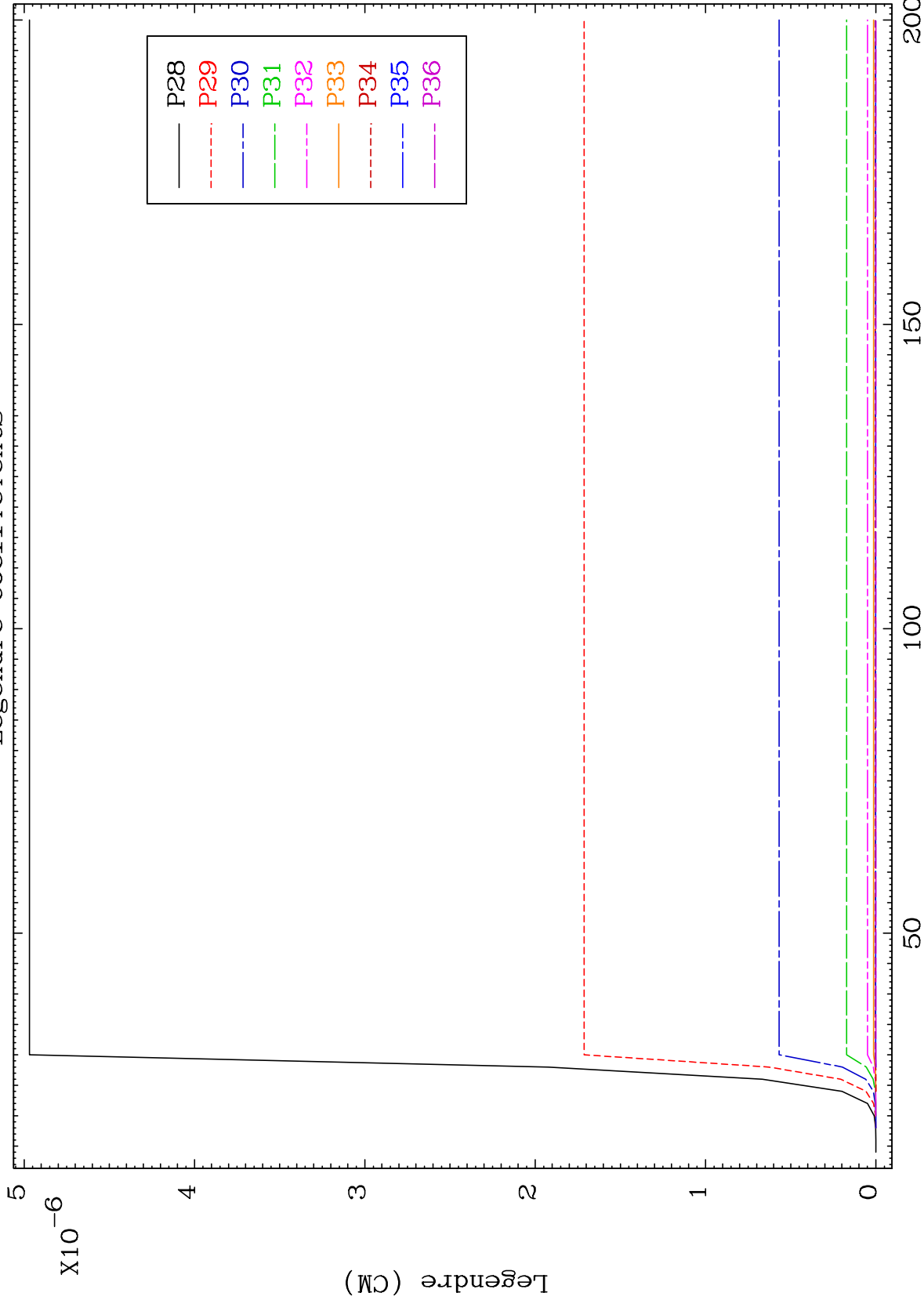
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133

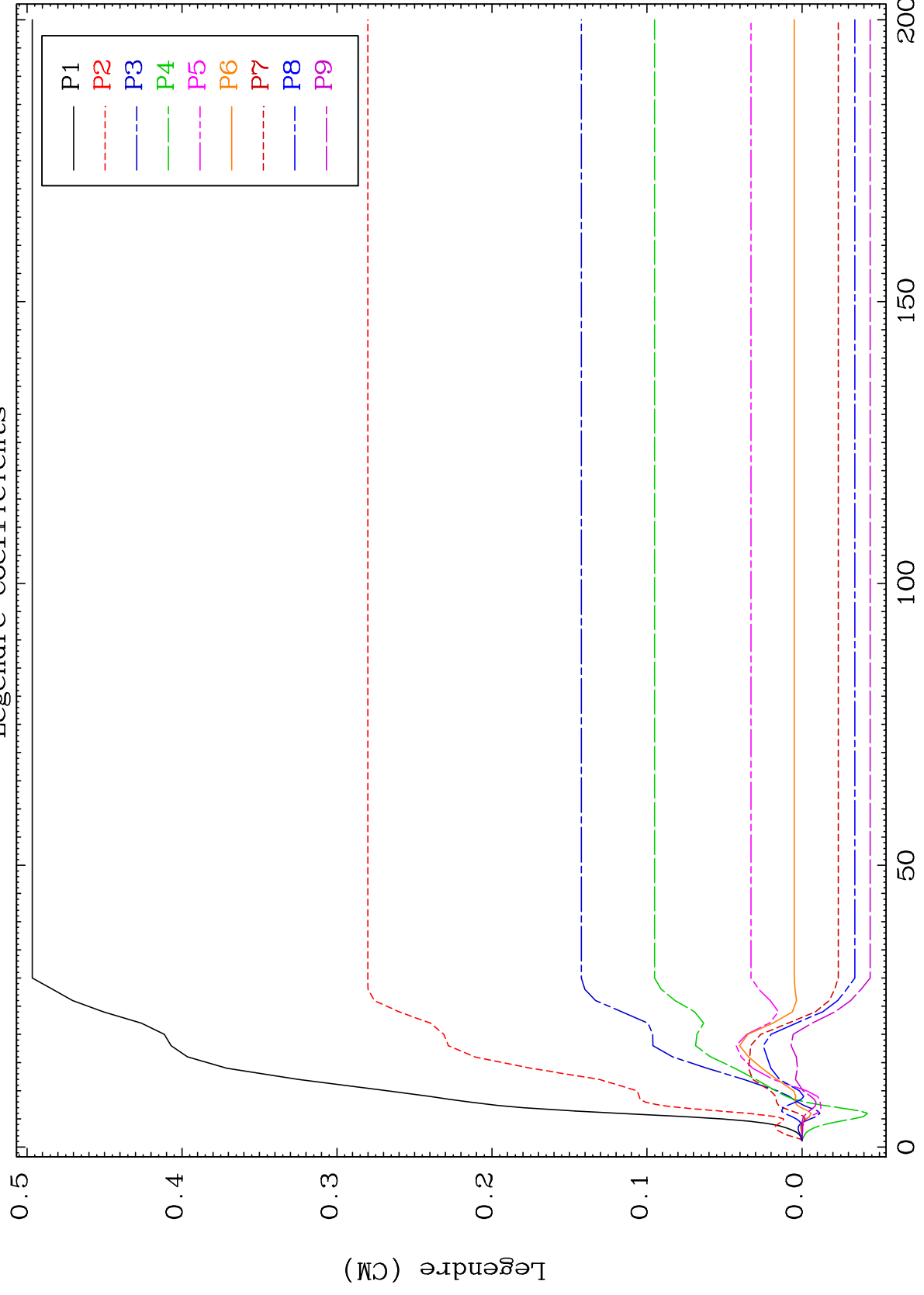


91

Incident Energy (MeV)

57-La-133

MAT 5710 MT= 69 (n,n') Level Legendre Coefficients 57-La-133

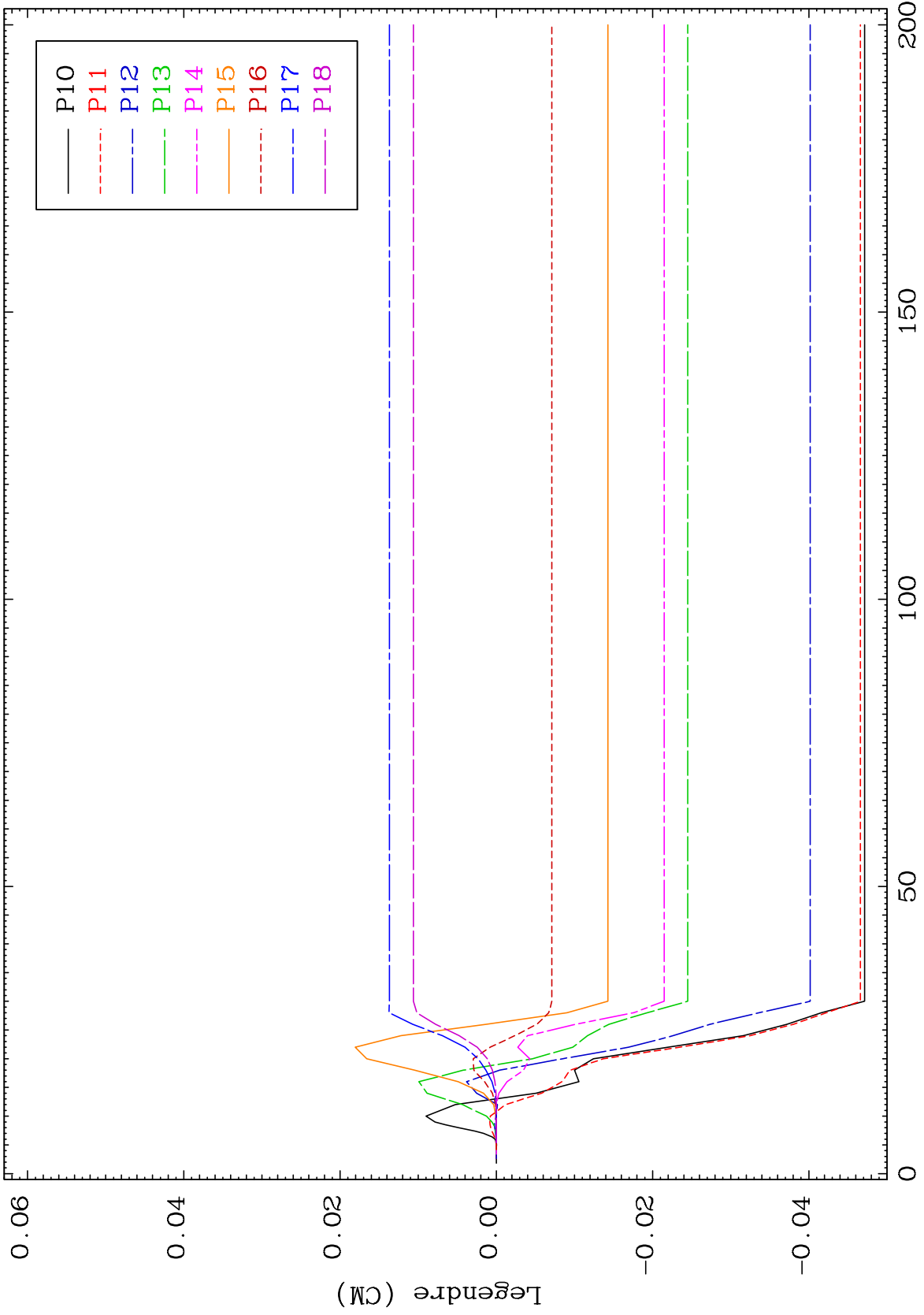


92 57-La-133

MAT 5710

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

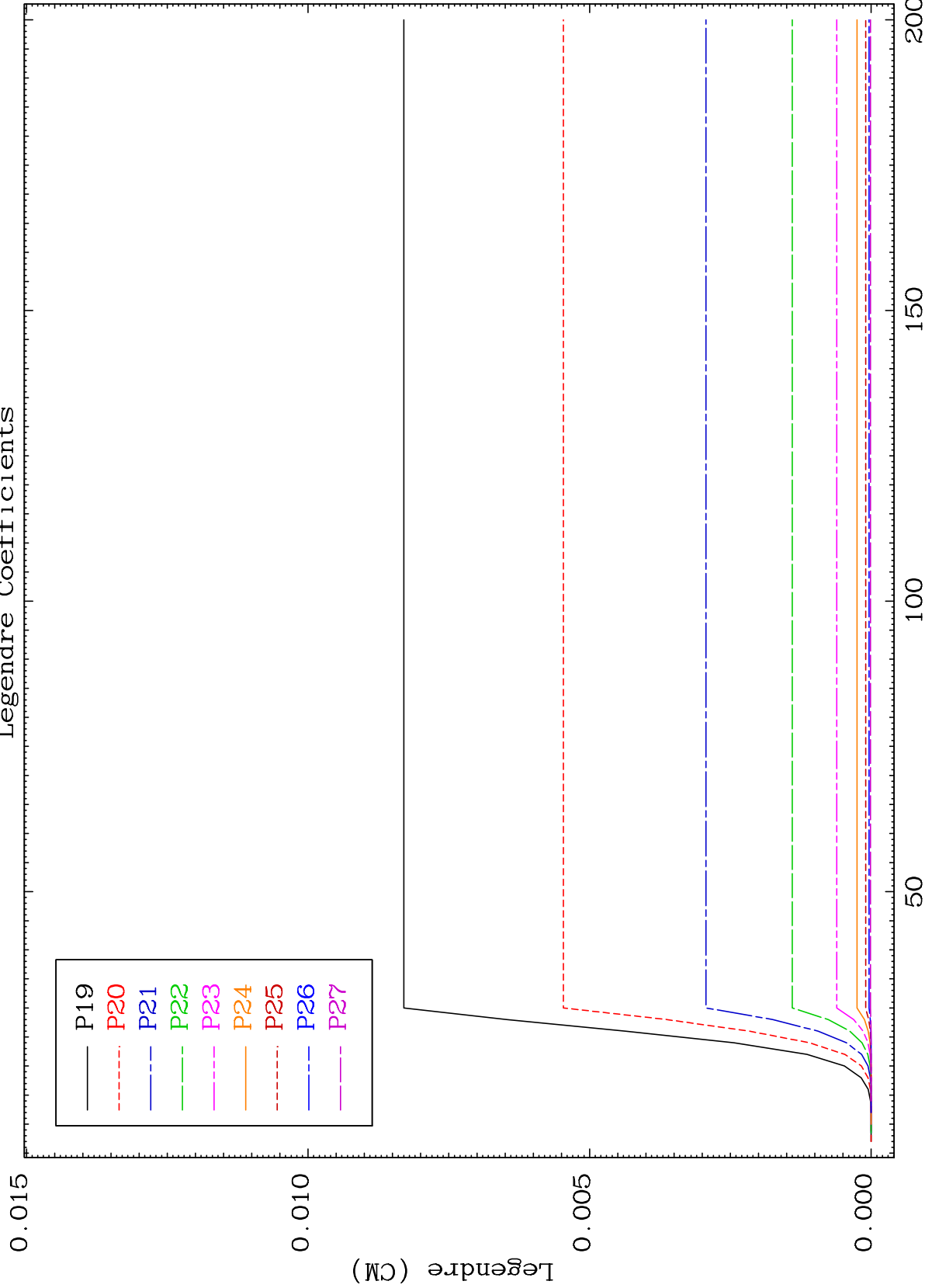
57-La-133



93

Incident Energy (MeV)

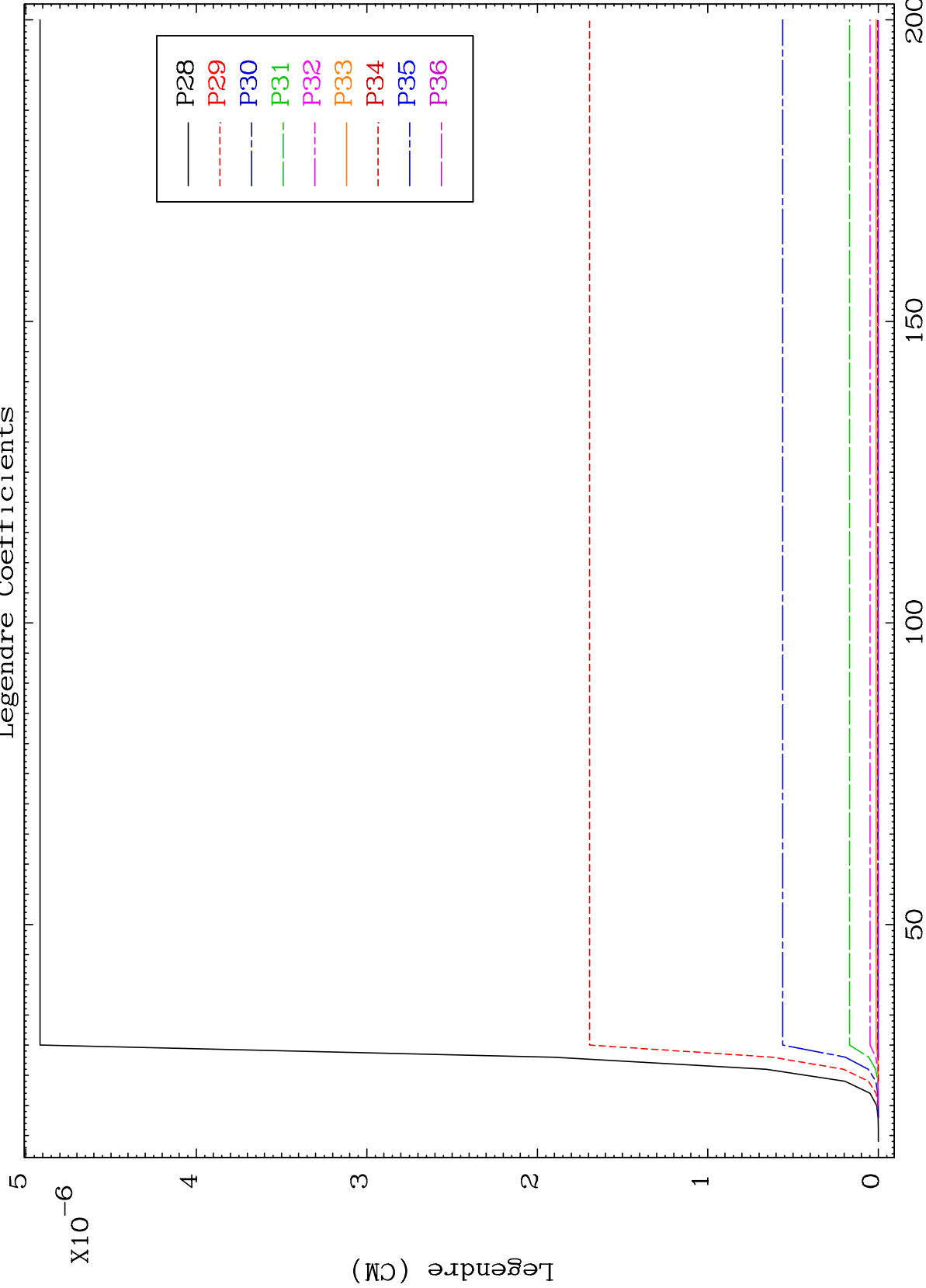
57-La-133



MAT 5710

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

57-La-133



95

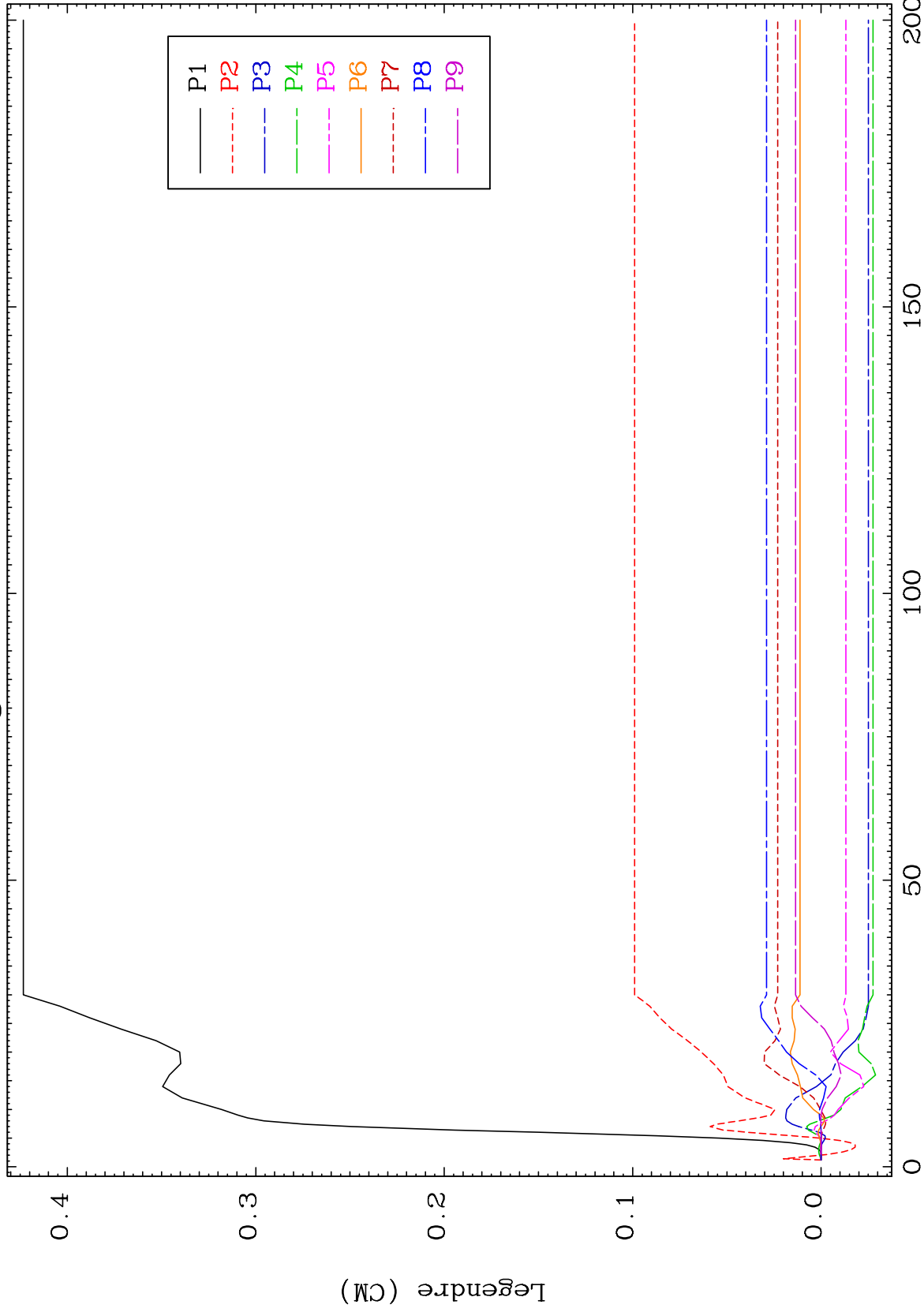
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



96

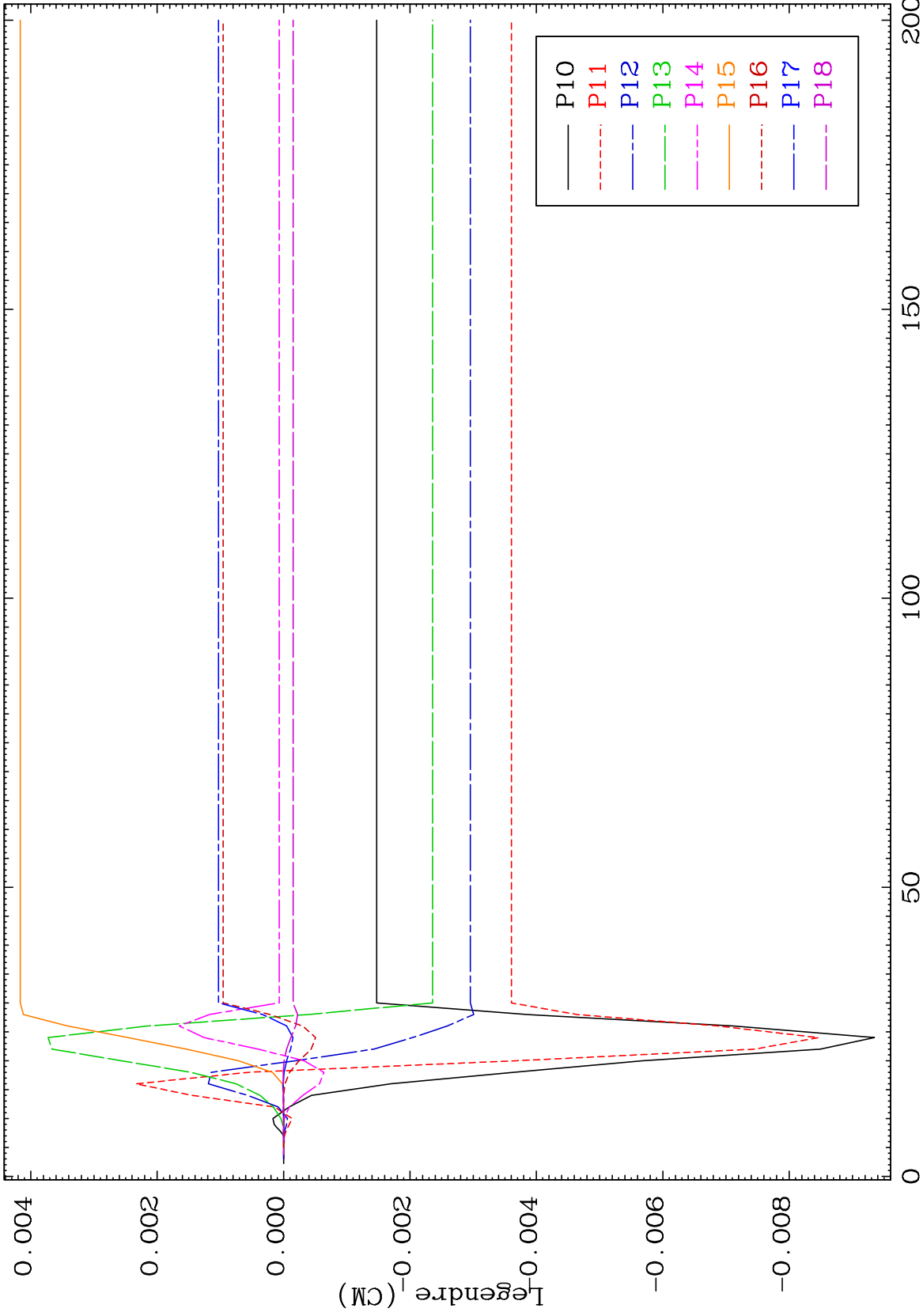
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



97

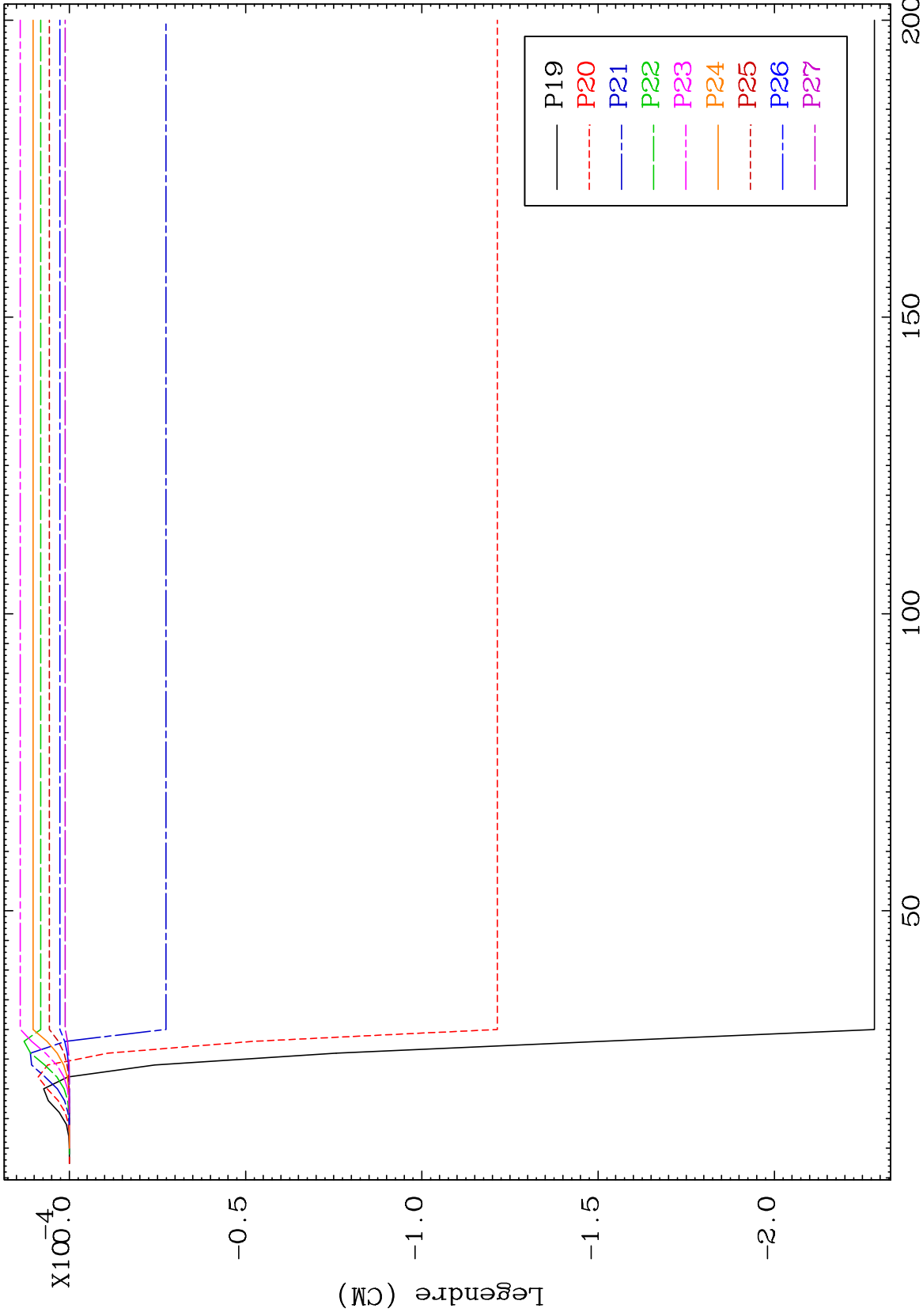
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



98

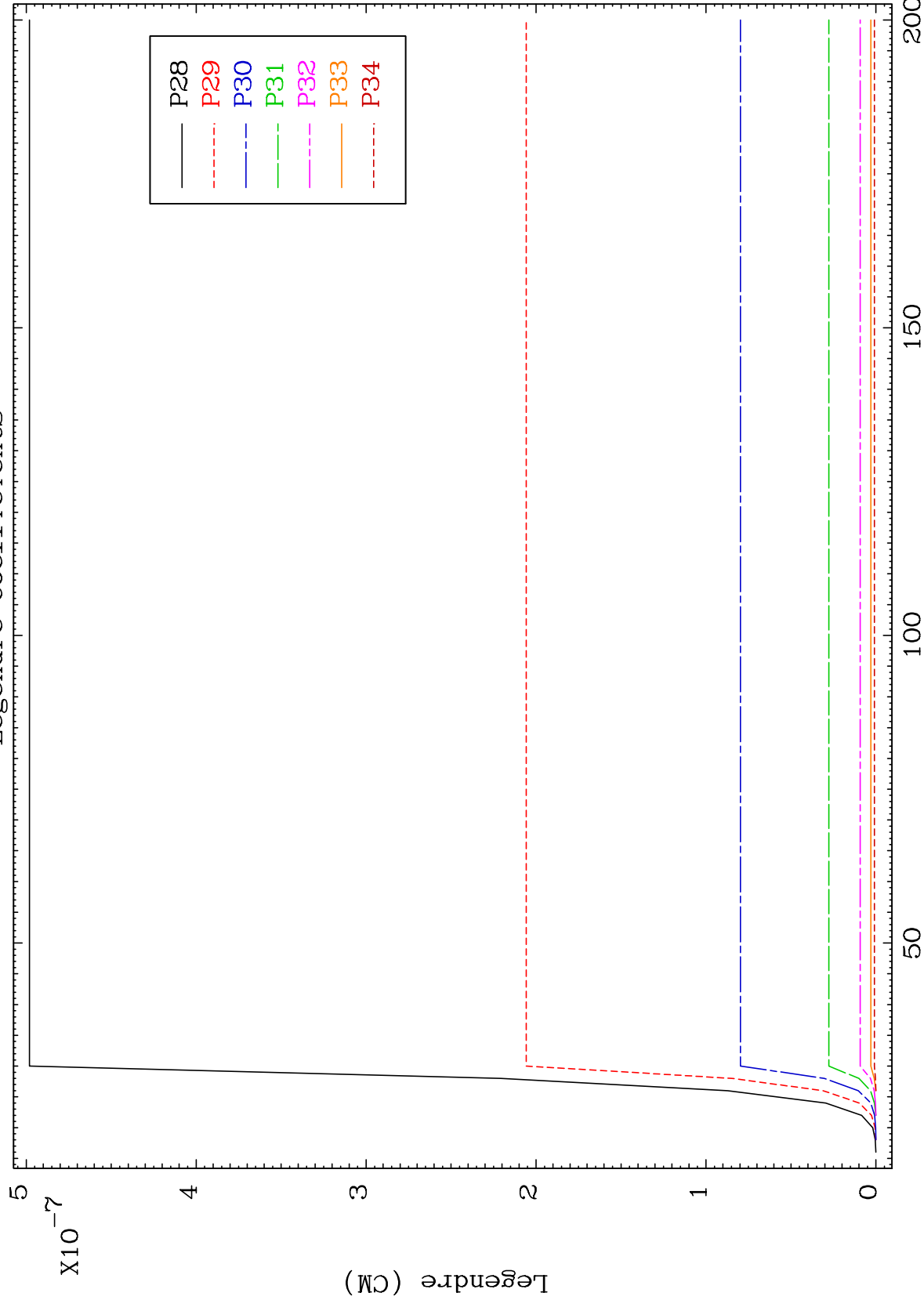
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



99

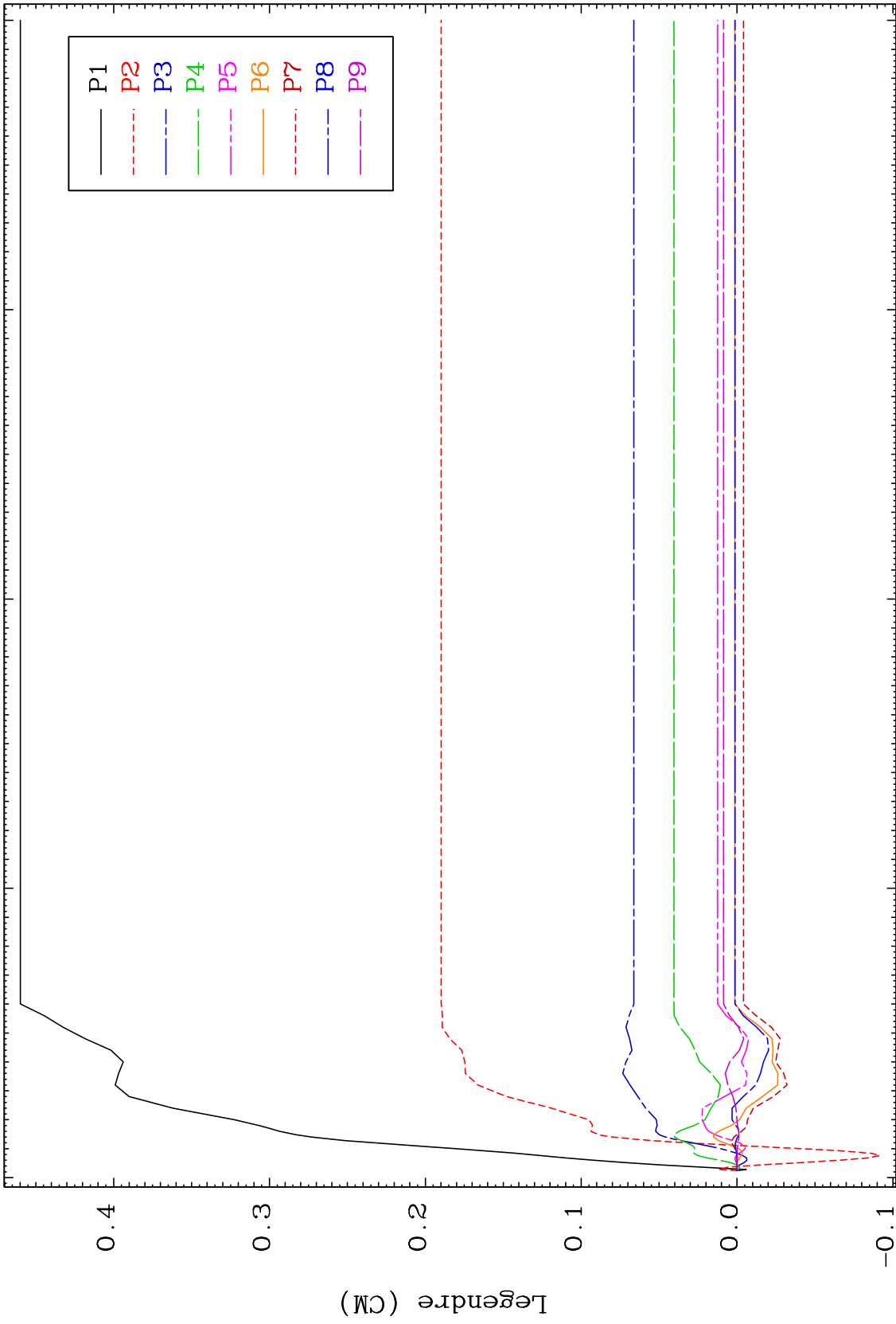
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



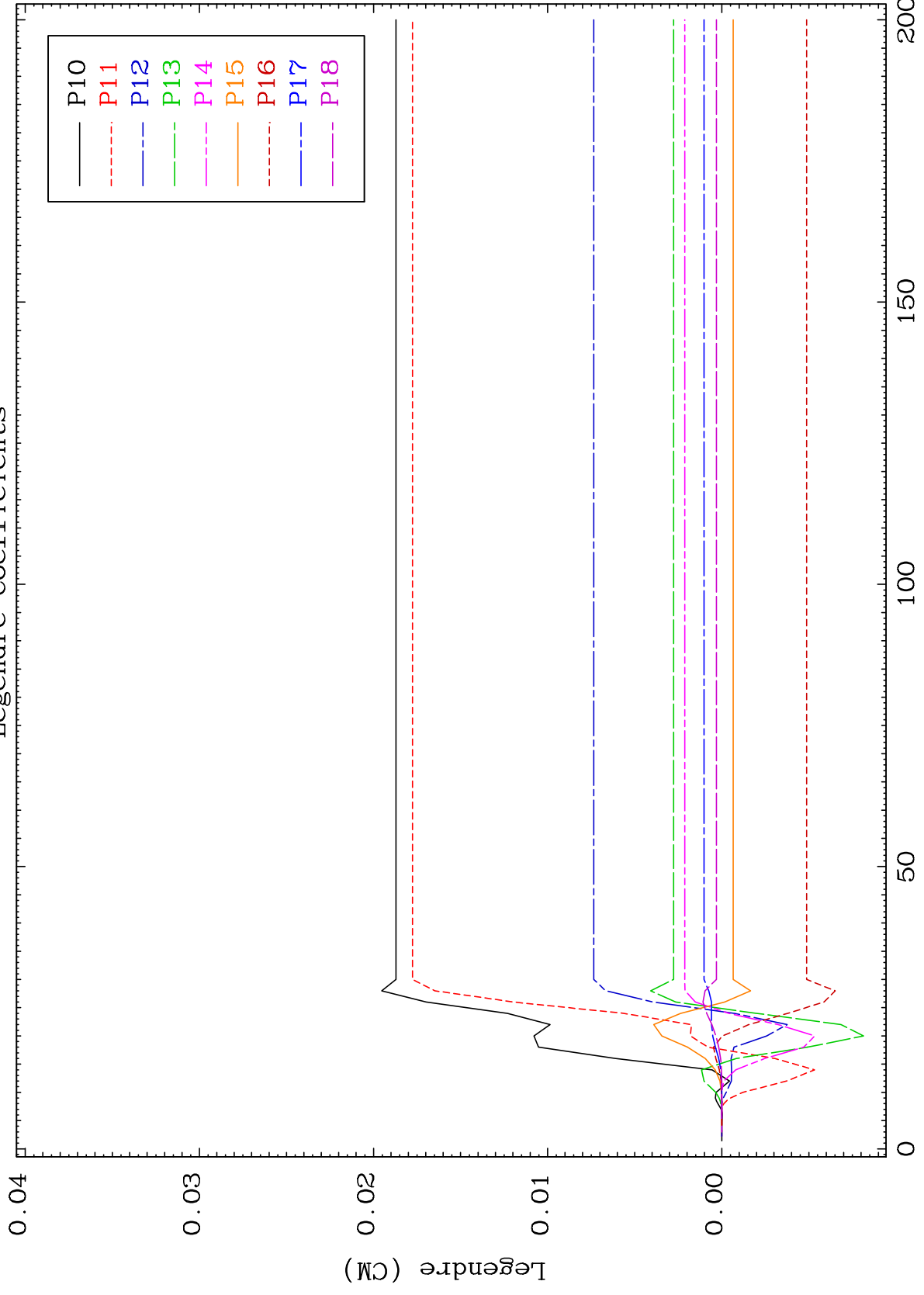
57-La-133

Incident Energy (MeV)

MAT 5710

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

57-La-133



101

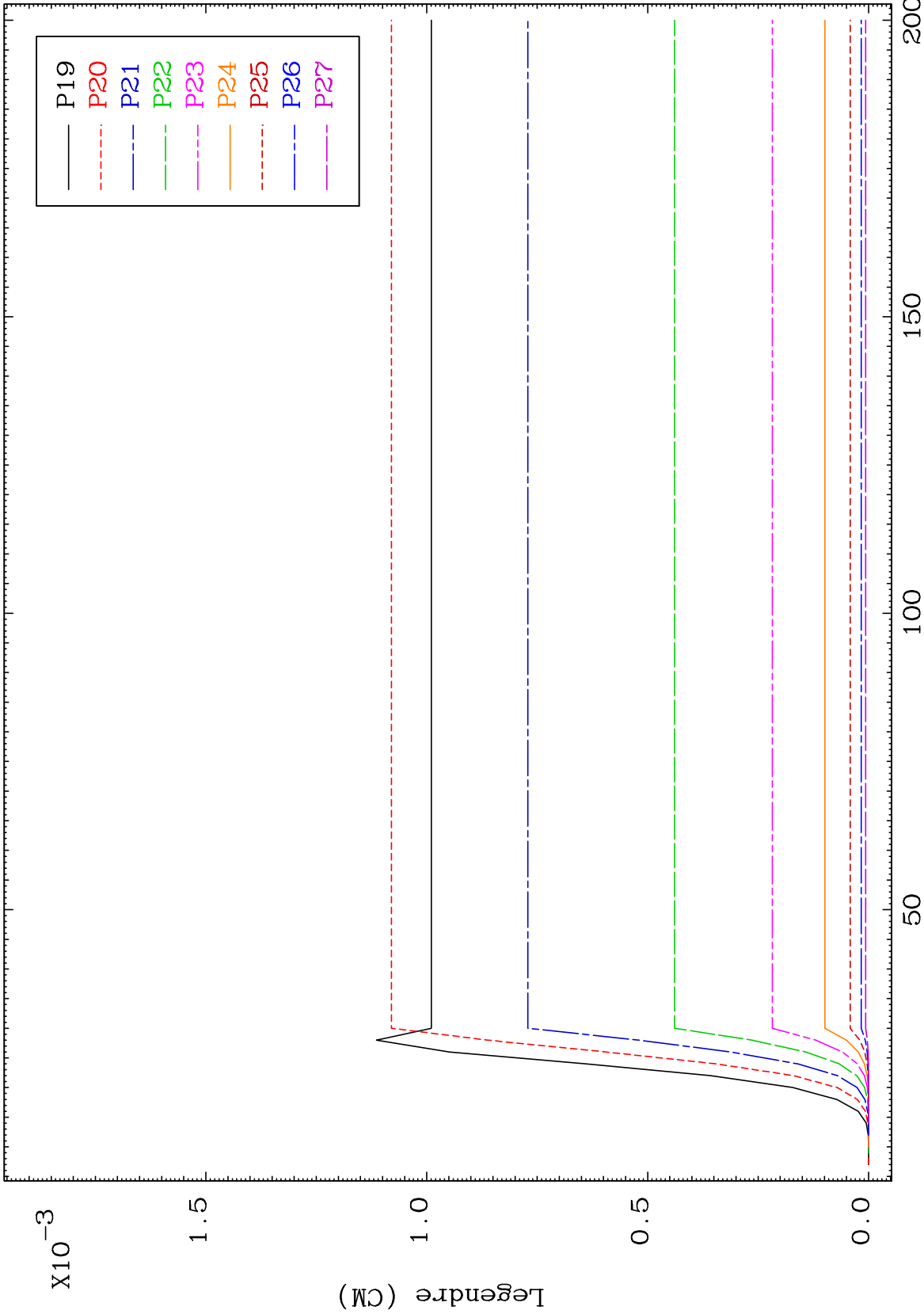
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



102

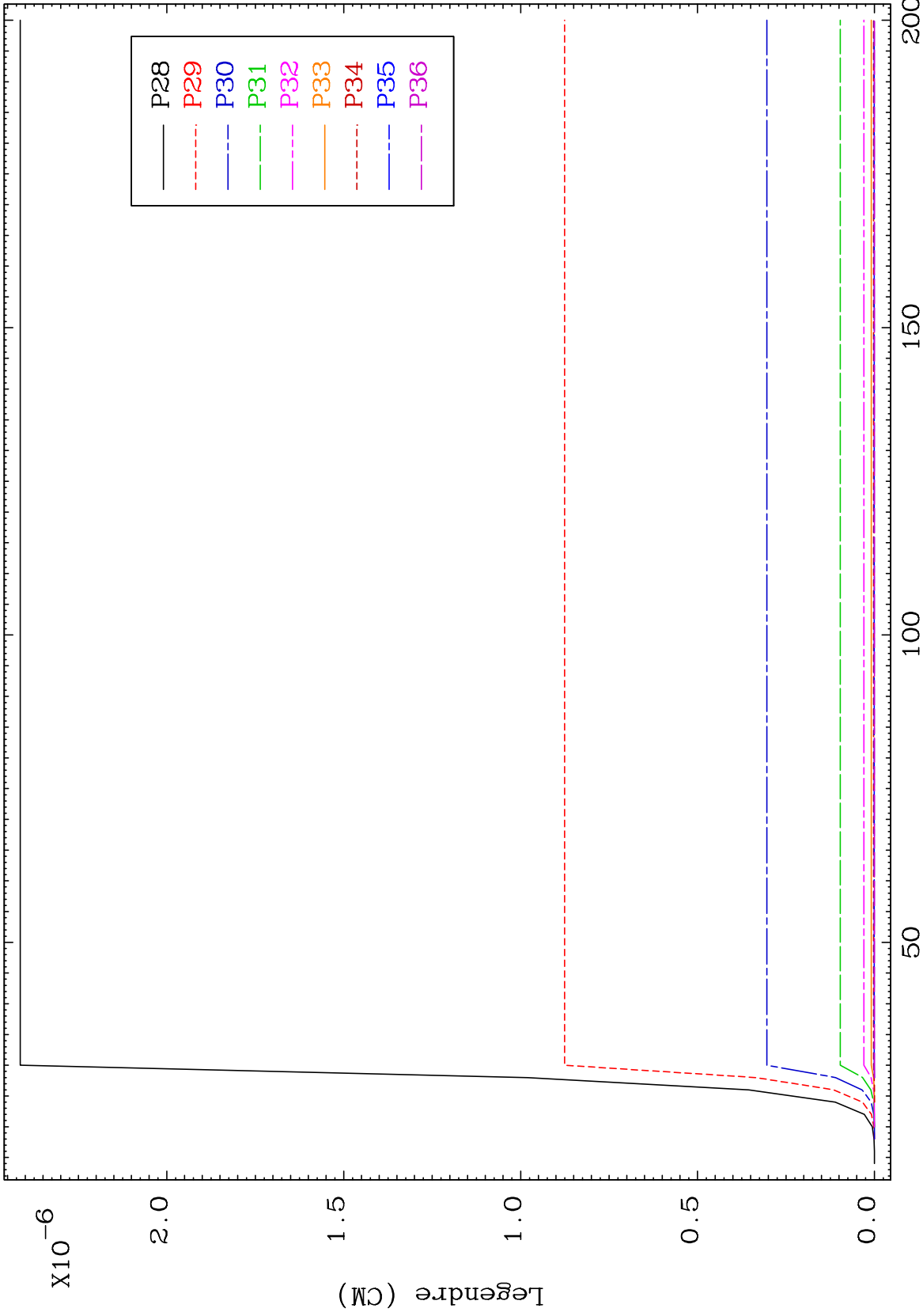
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



103

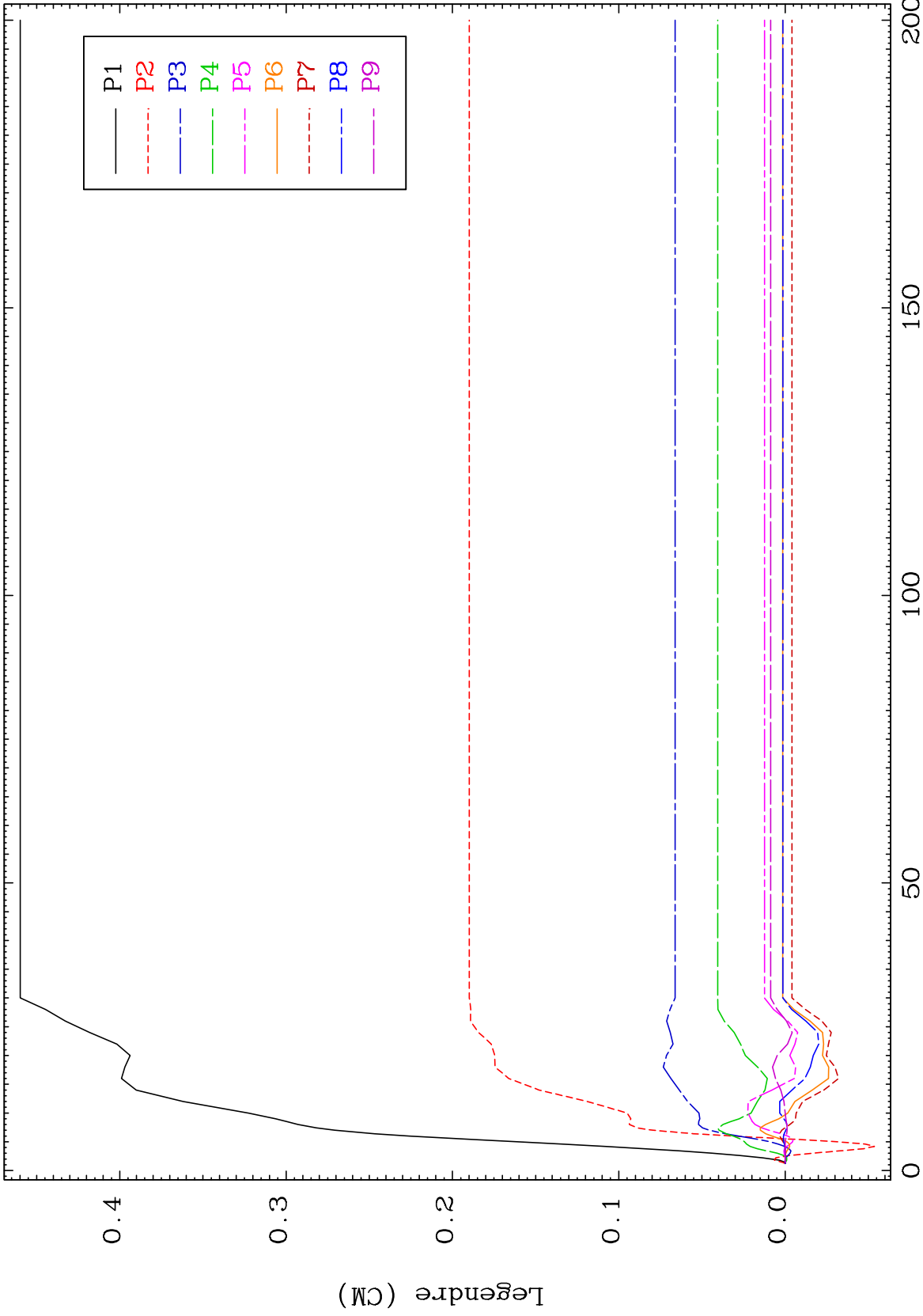
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



104

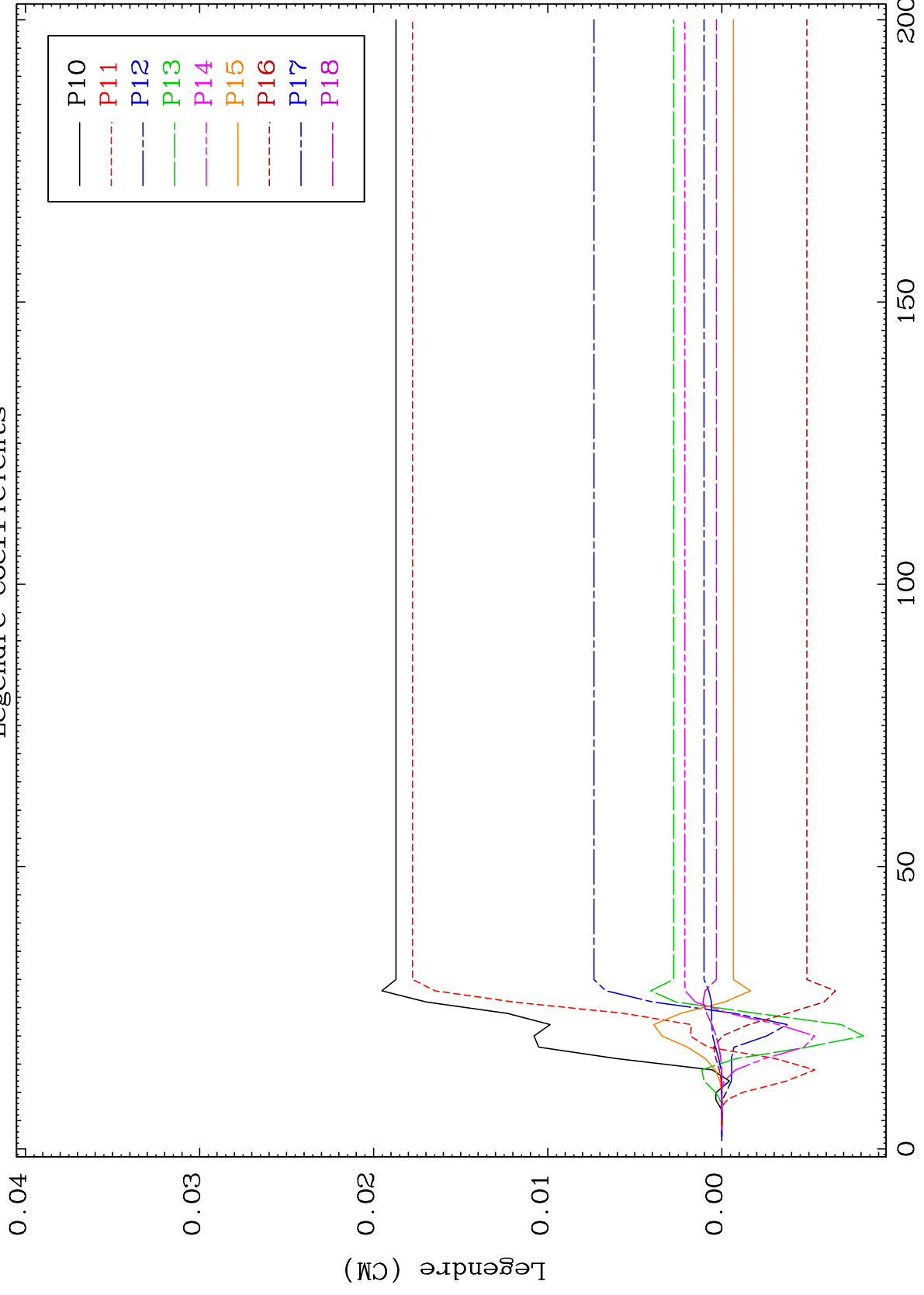
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



57-La-133

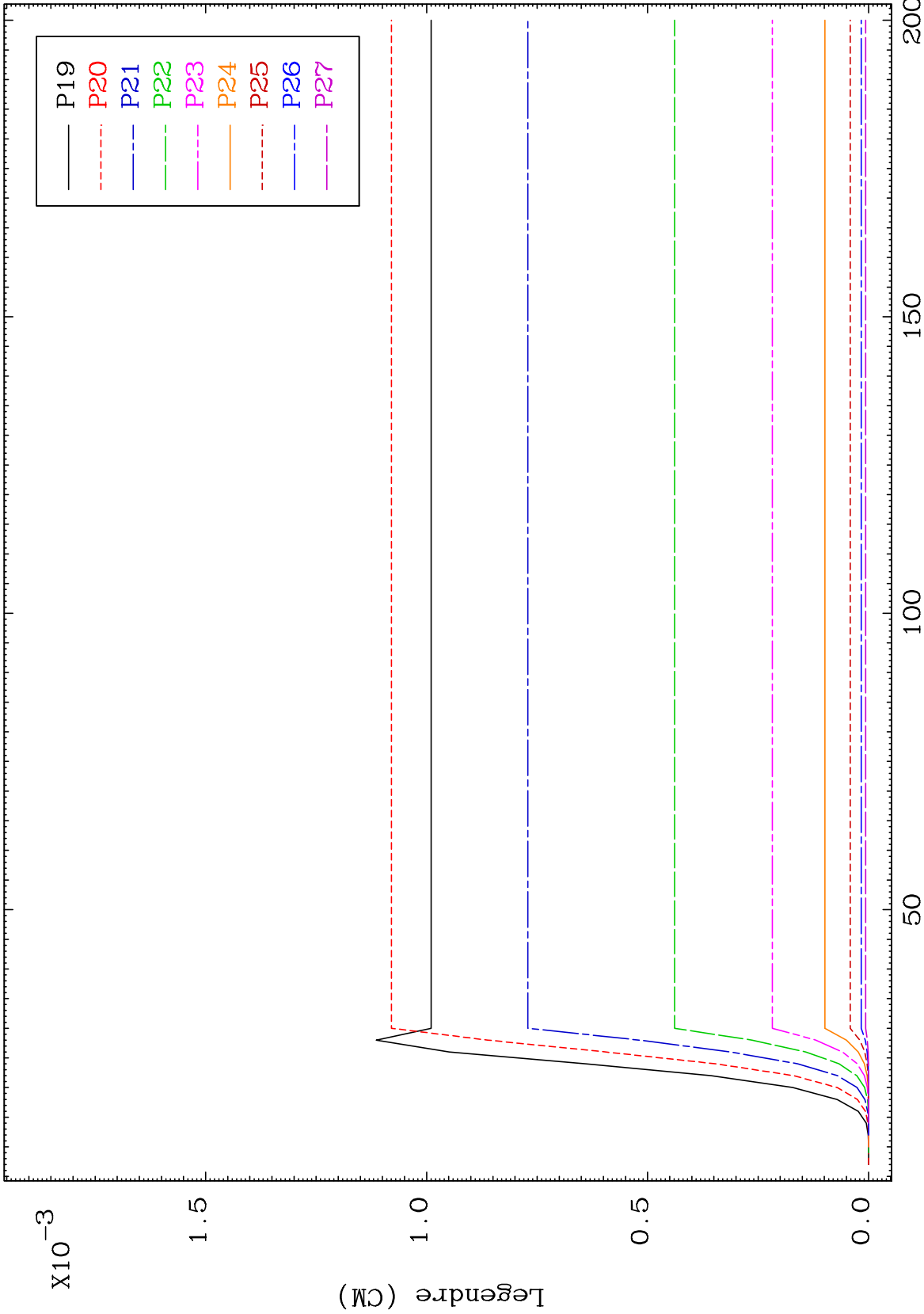
Incident Energy (MeV)

105

MAT 5710

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

57-La-133



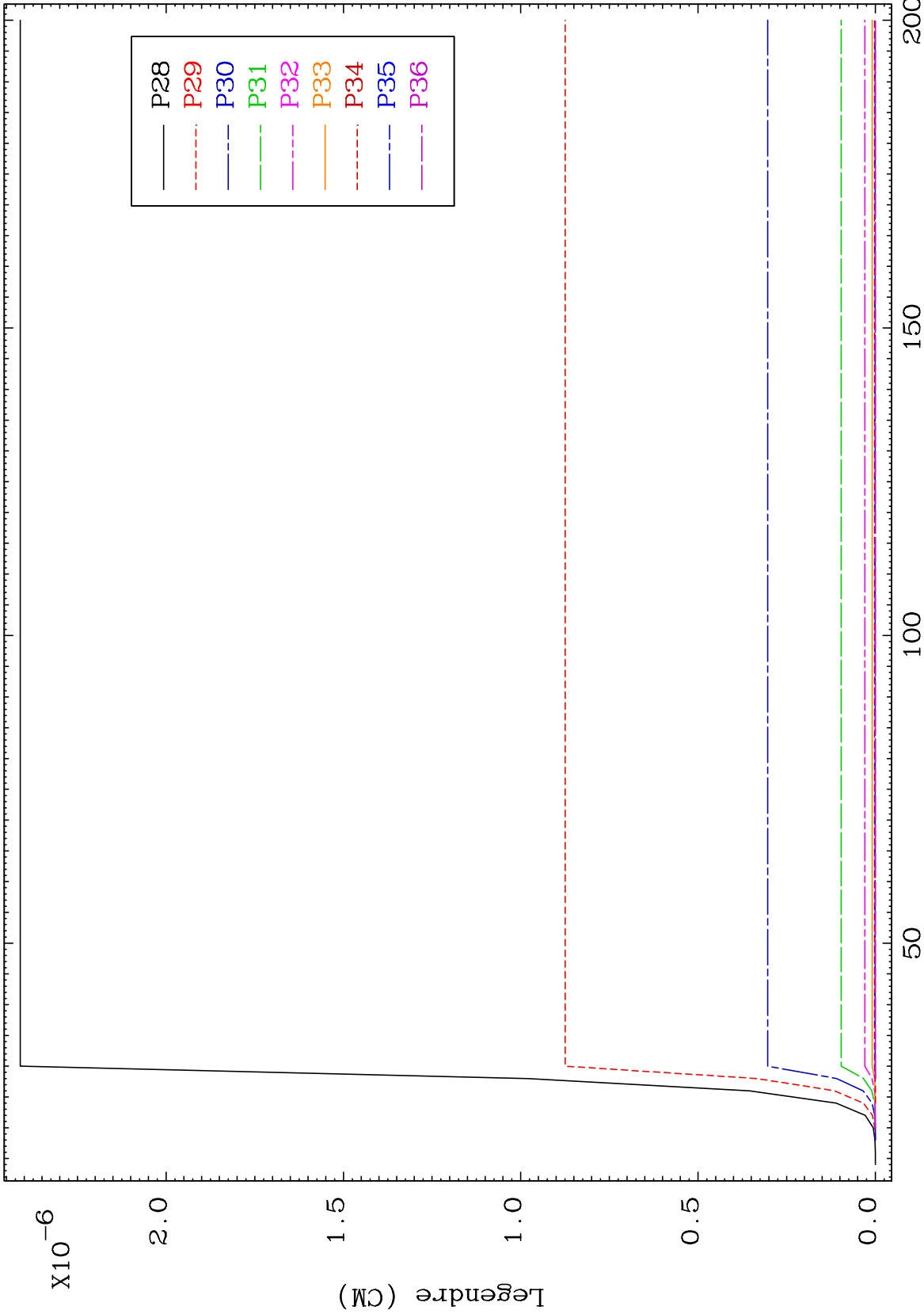
106

57-La-133

MAT 5710

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

57-La-133



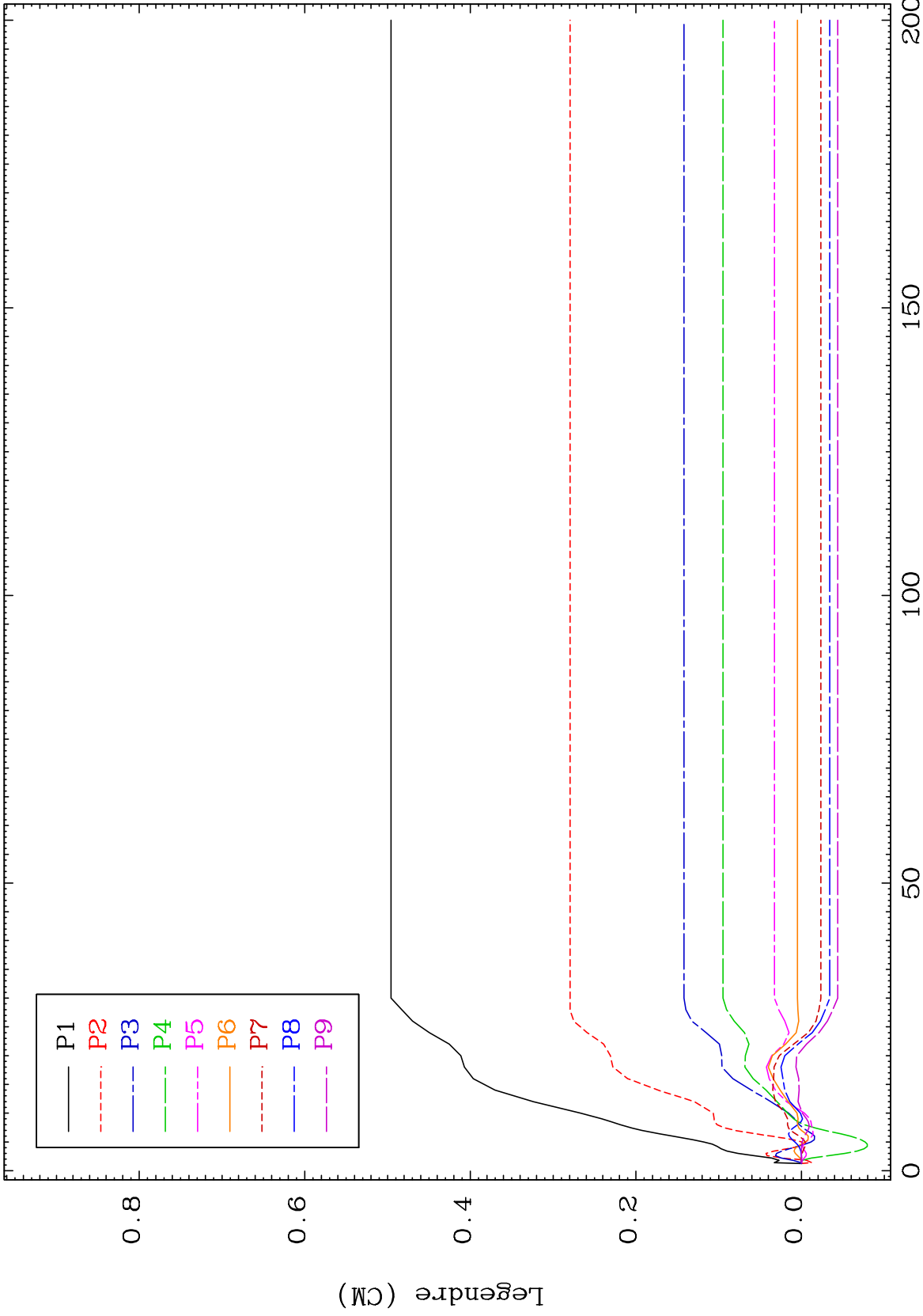
107

57-La-133

MAT 5710

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

57-La-133



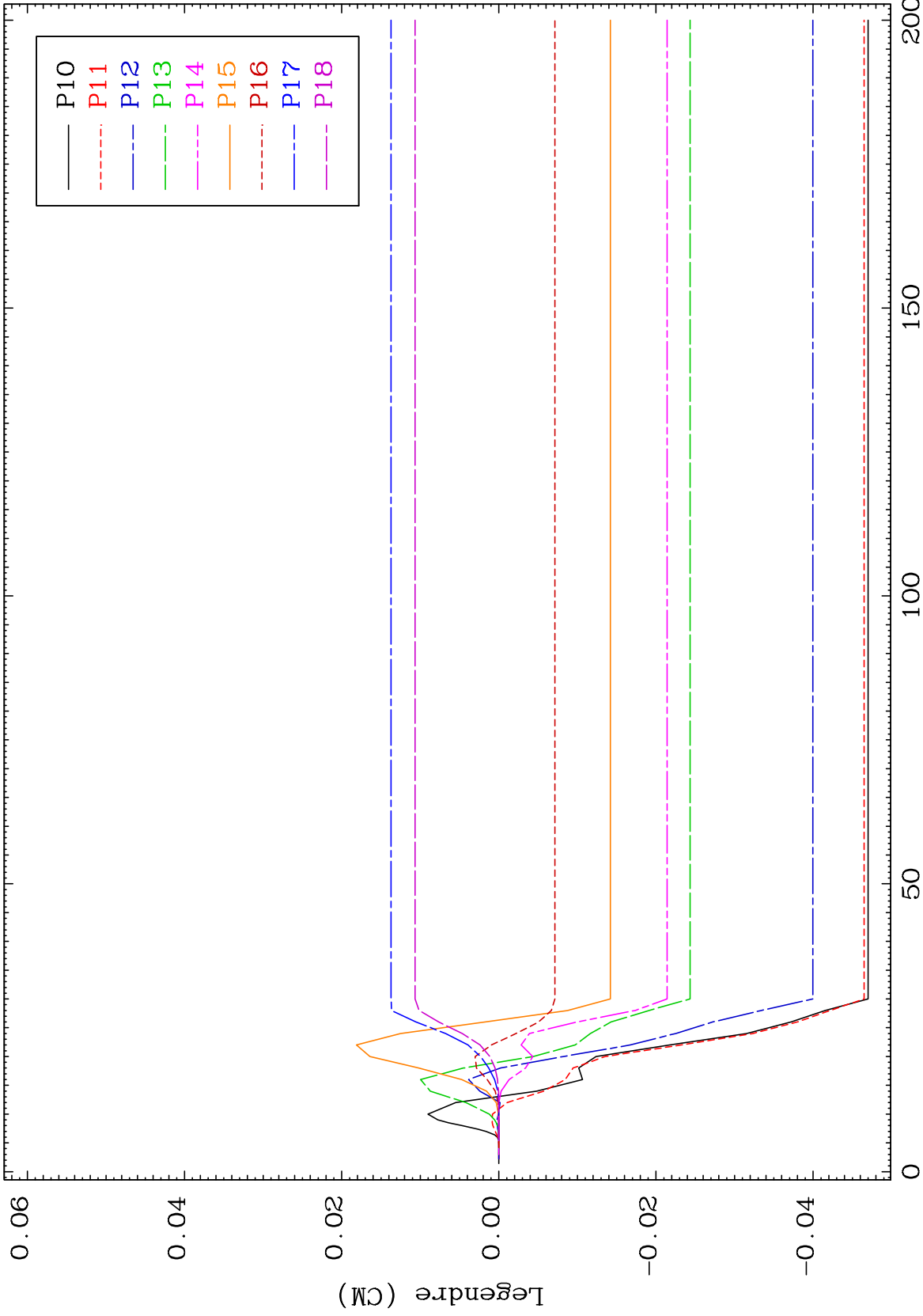
108

57-La-133

MAT 5710

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

57-La-133



109

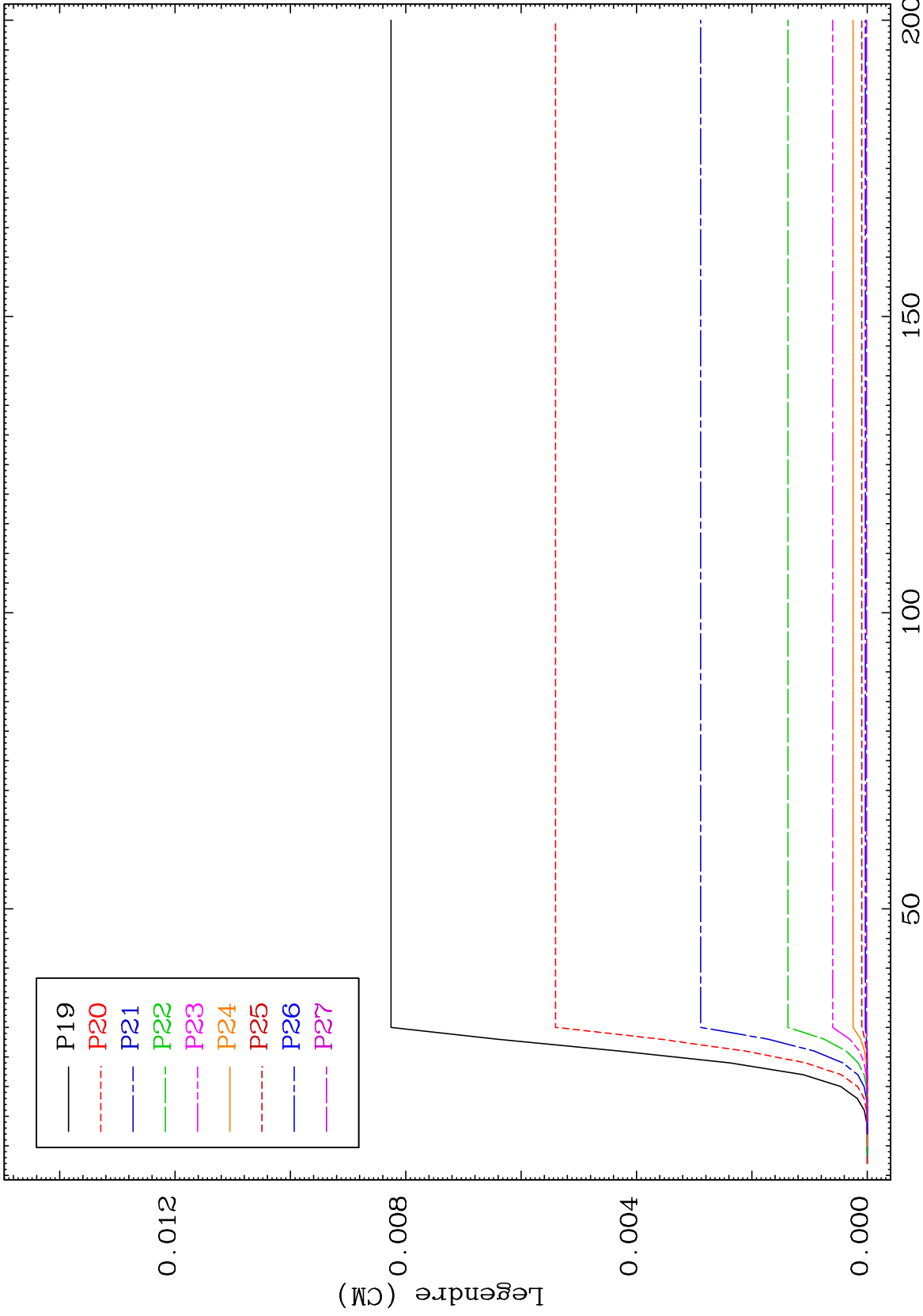
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



110

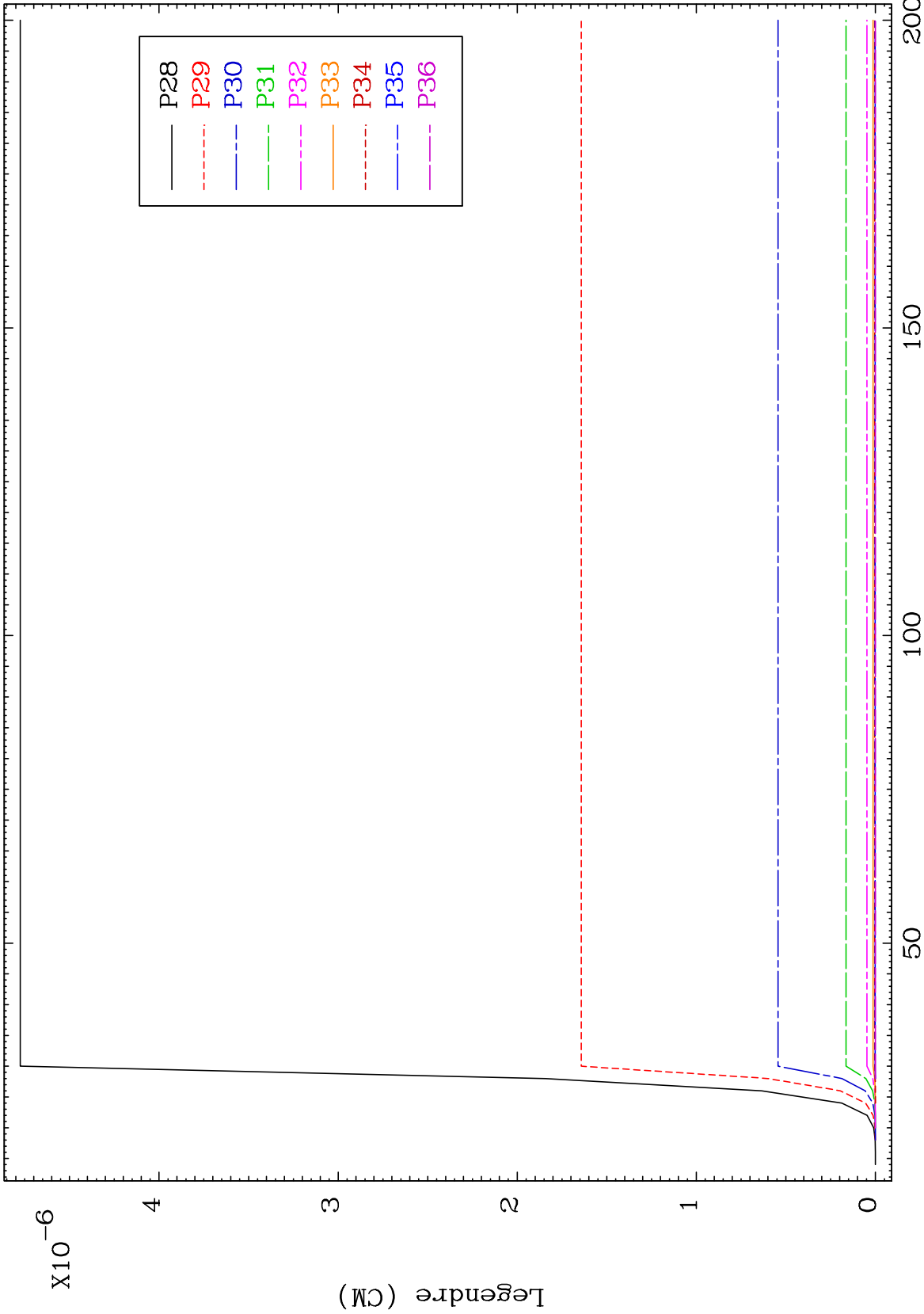
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



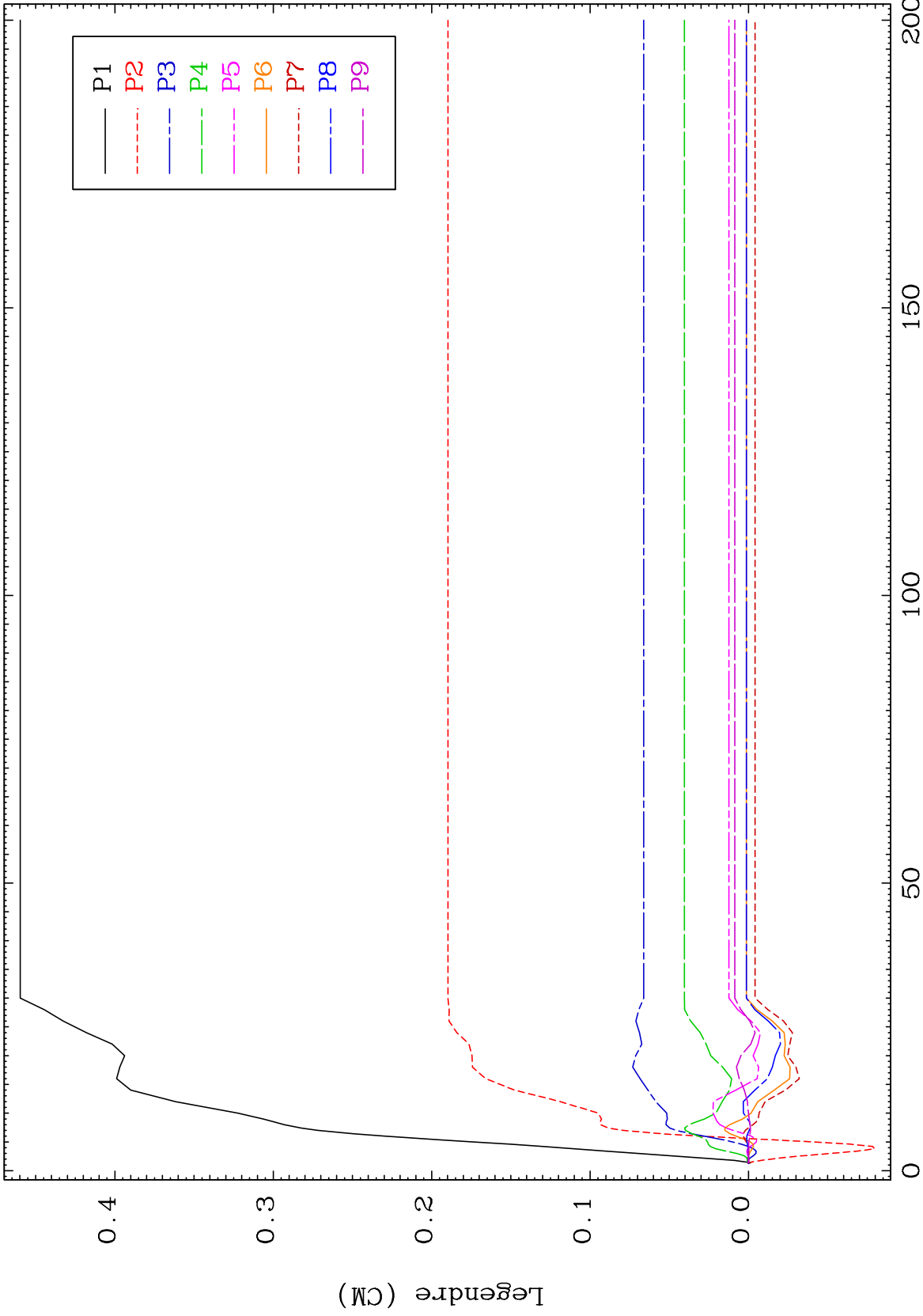
111

57-La-133

MAT 5710

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

57-La-133



112

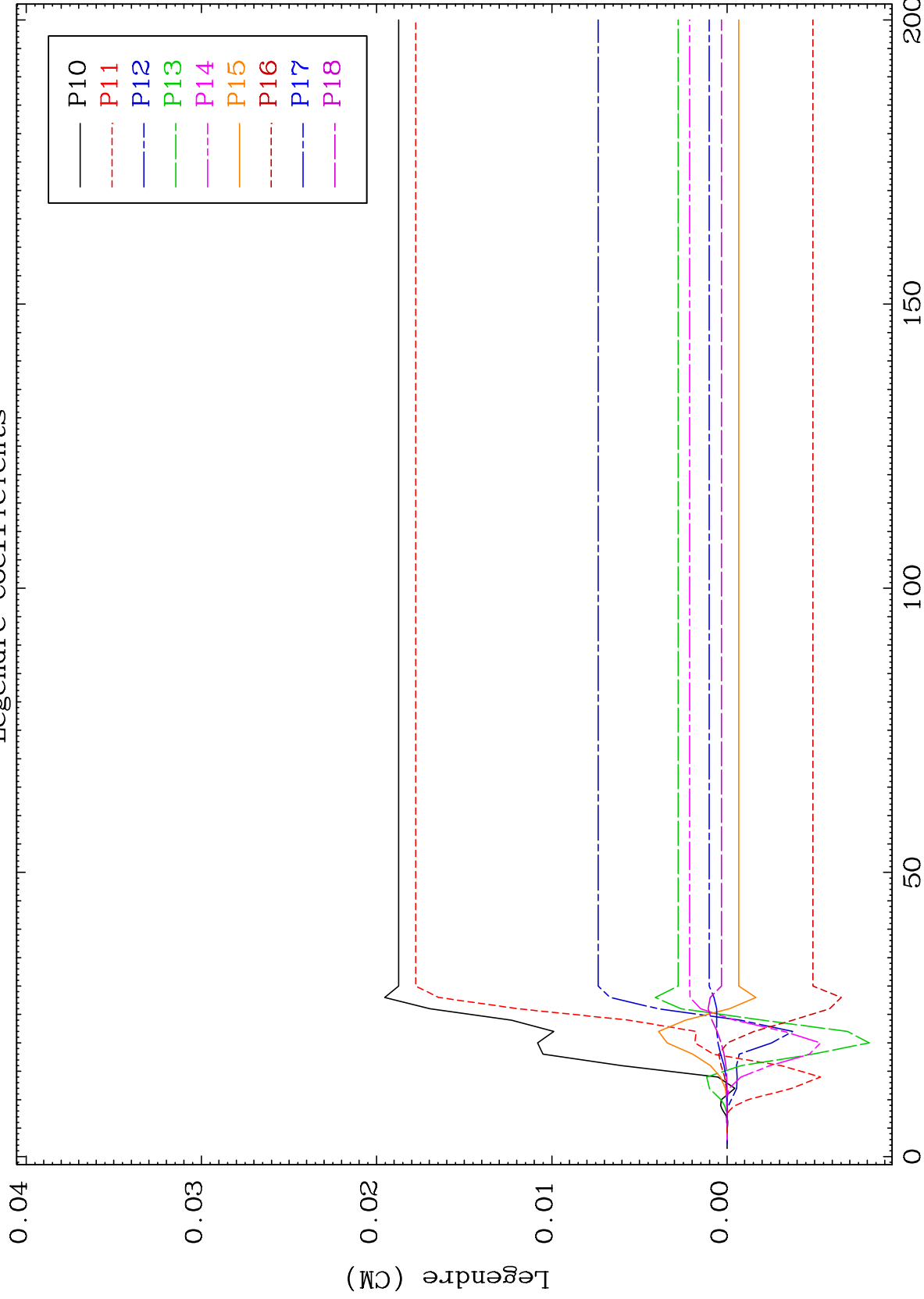
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



113

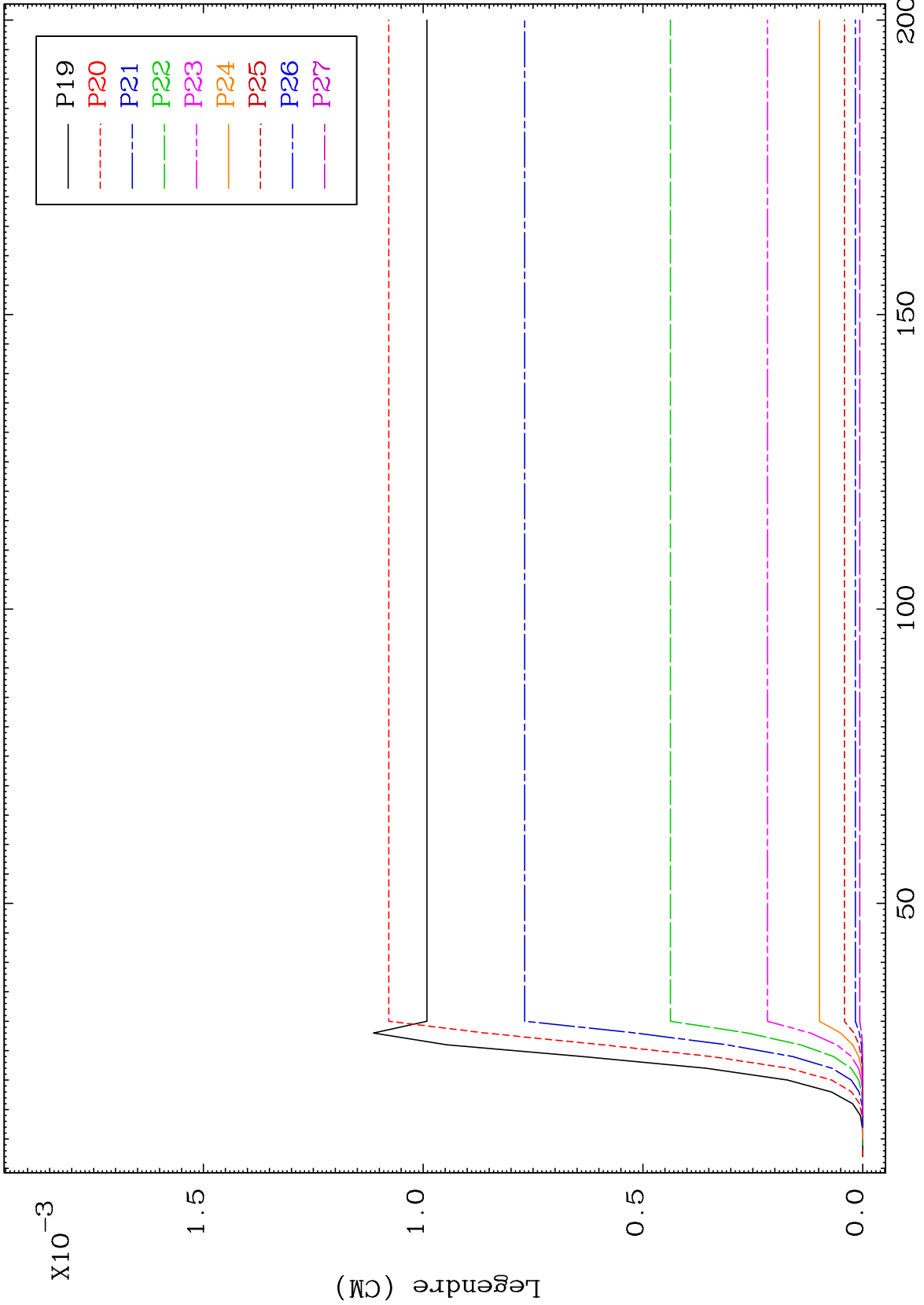
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



114

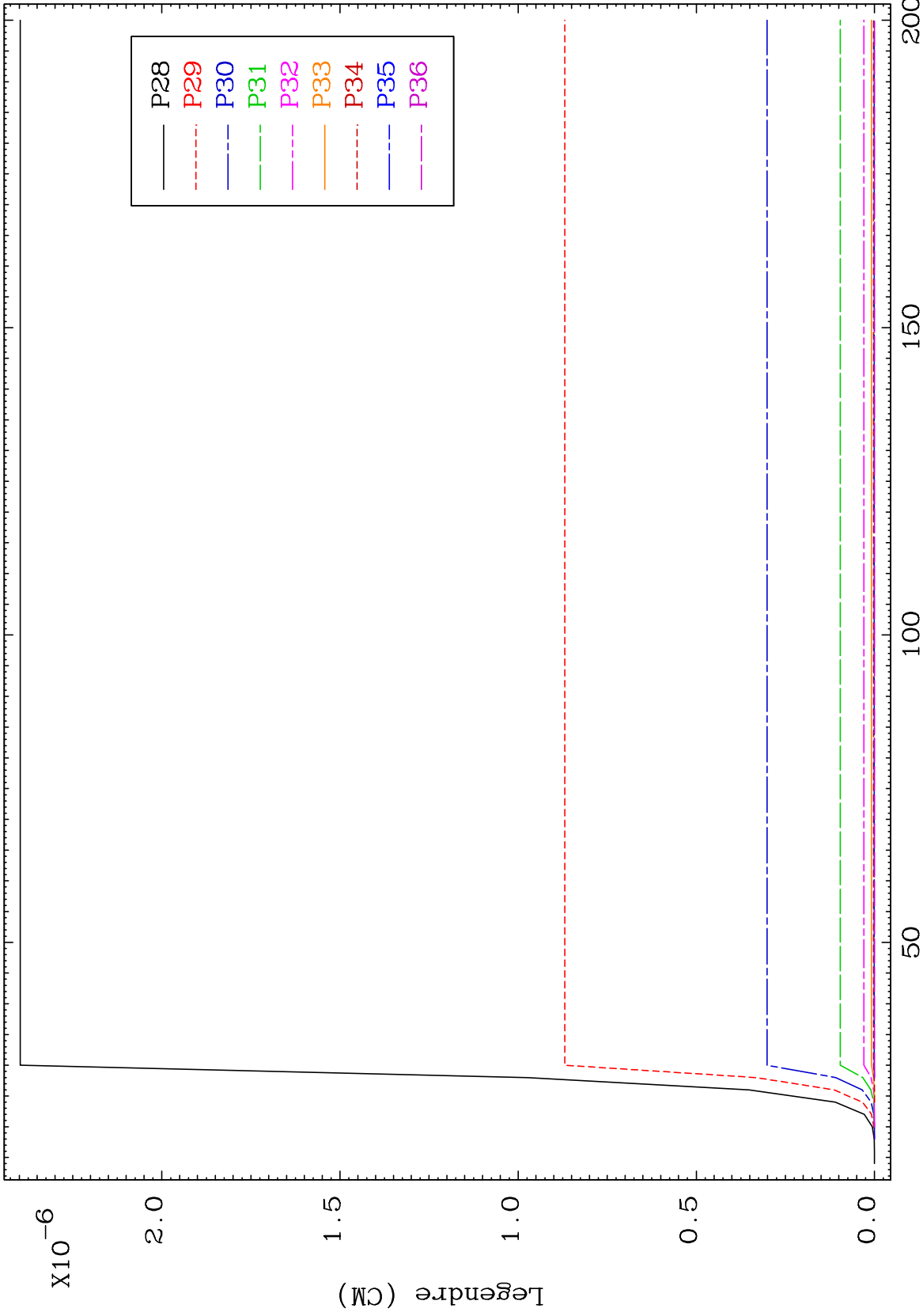
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



115

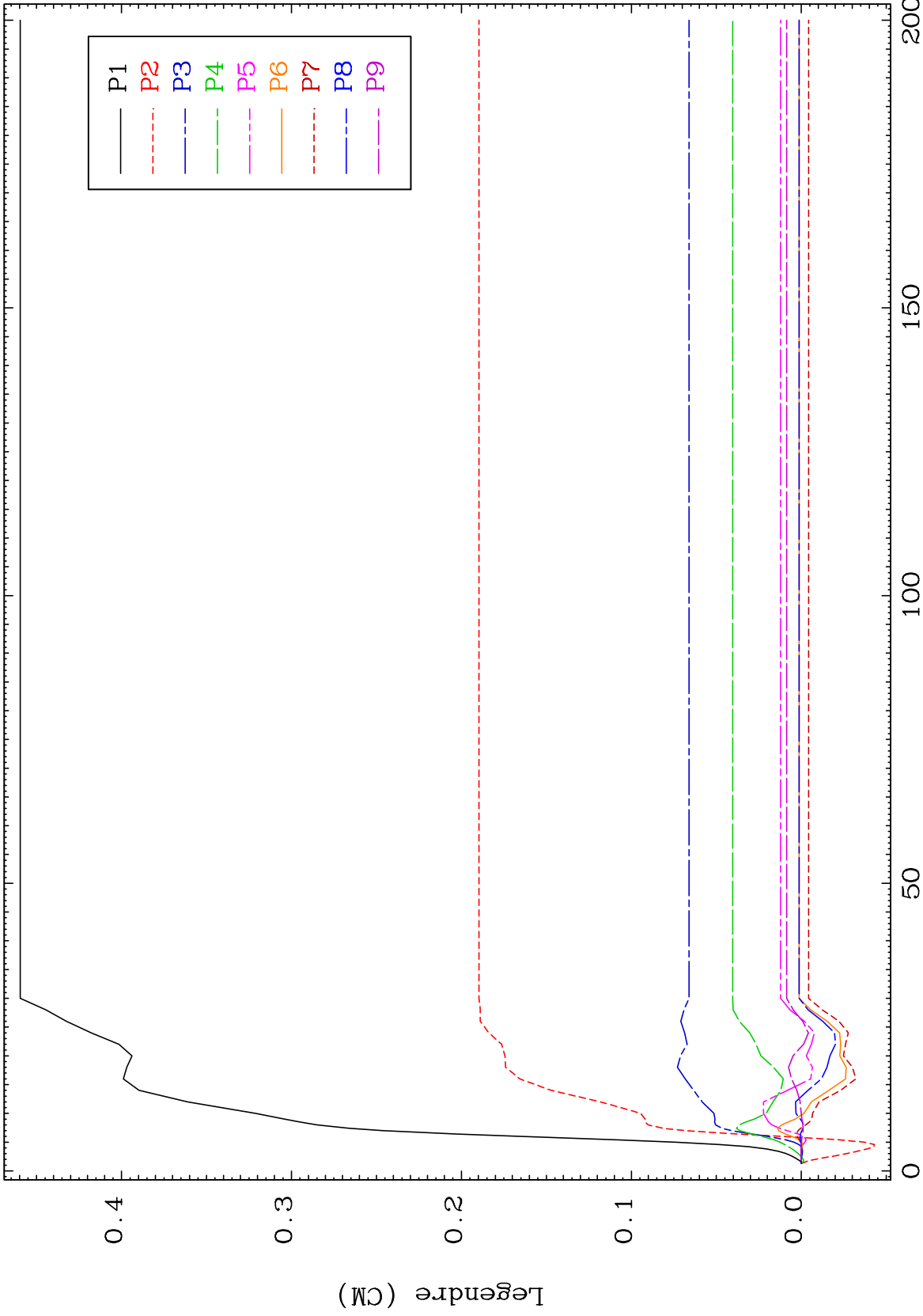
Incident Energy (MeV)

57-La-133

MAT 5710

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

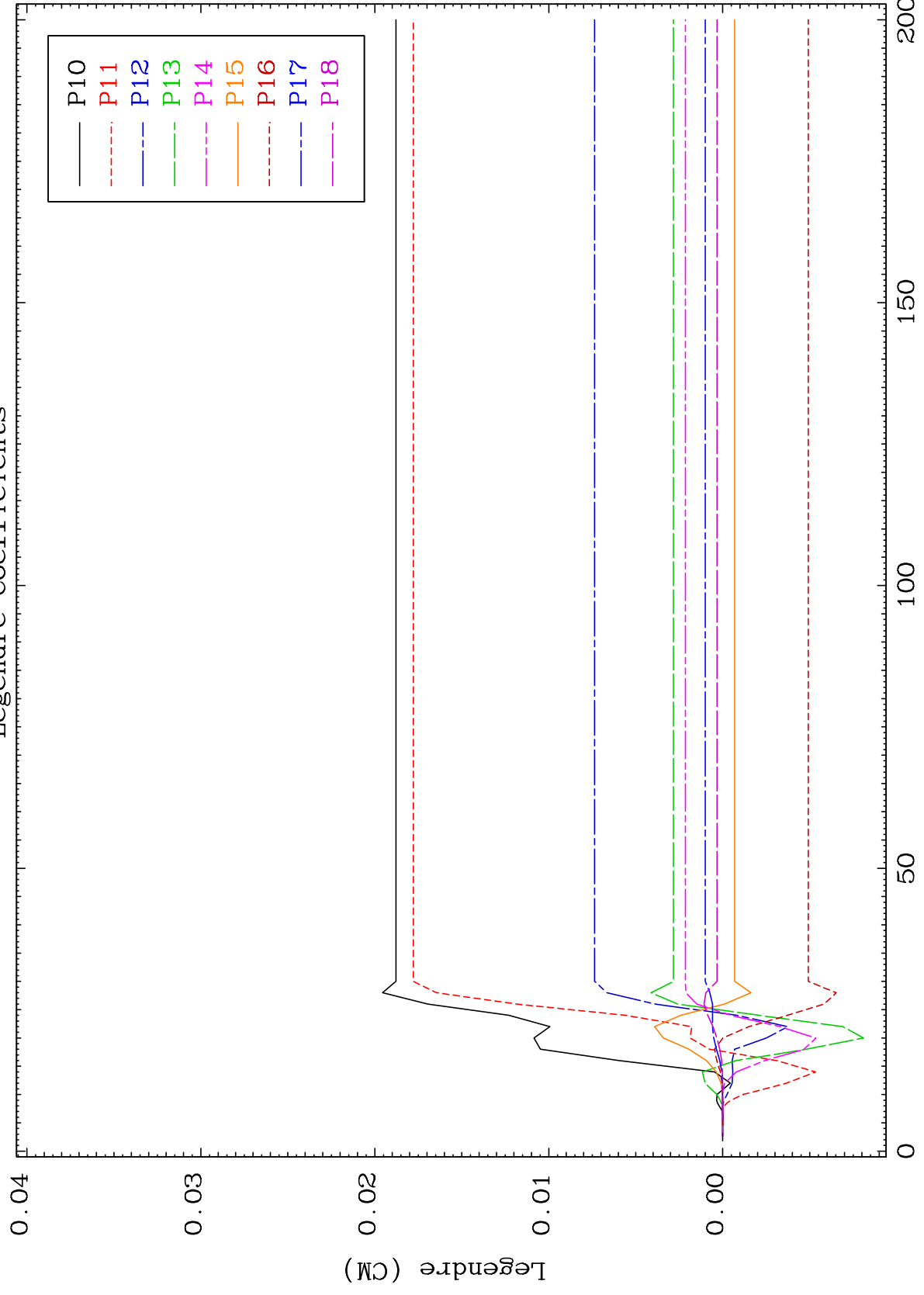
57-La-133



116

Incident Energy (MeV)

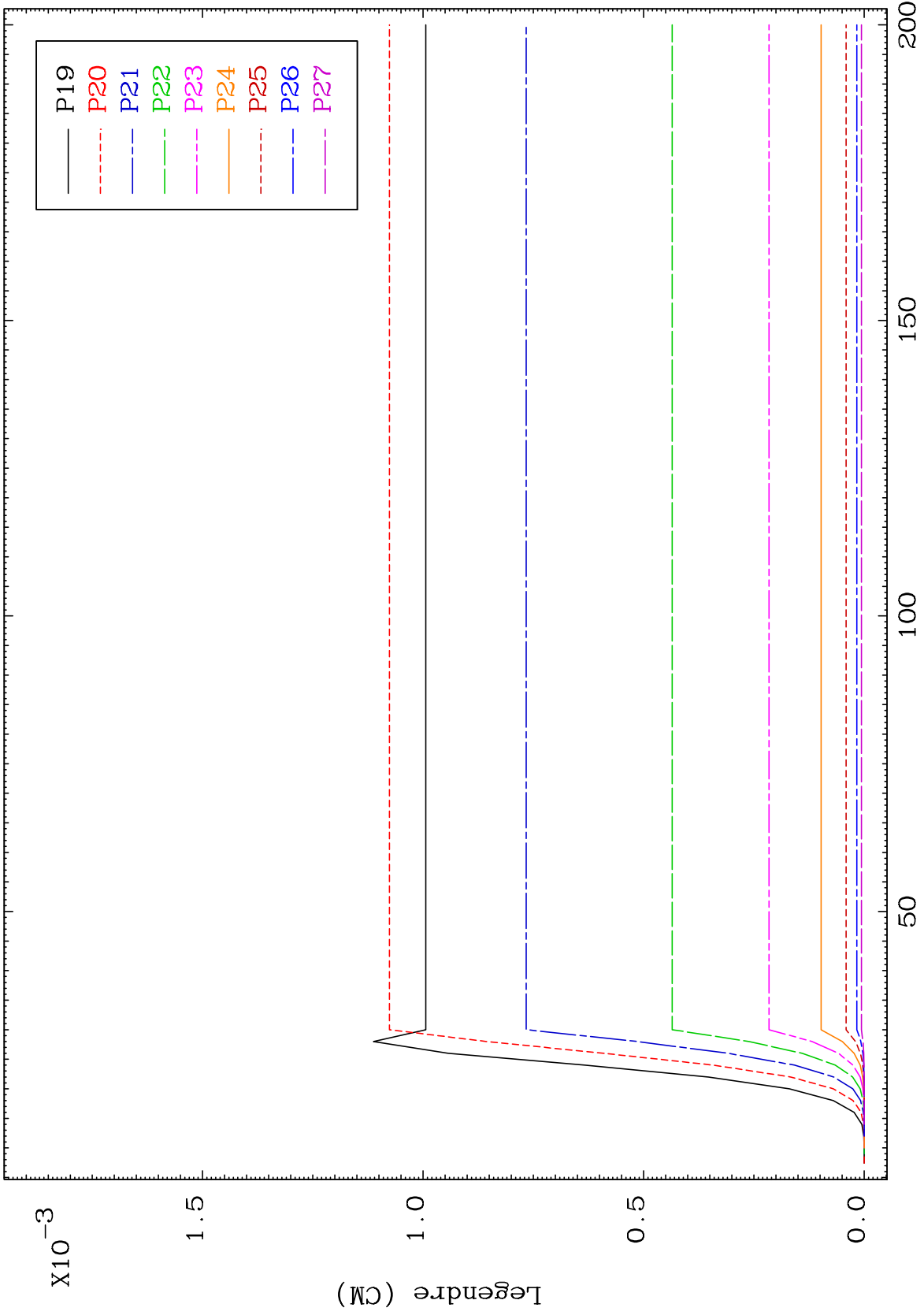
57-La-133



MAT 5710

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

57-La-133



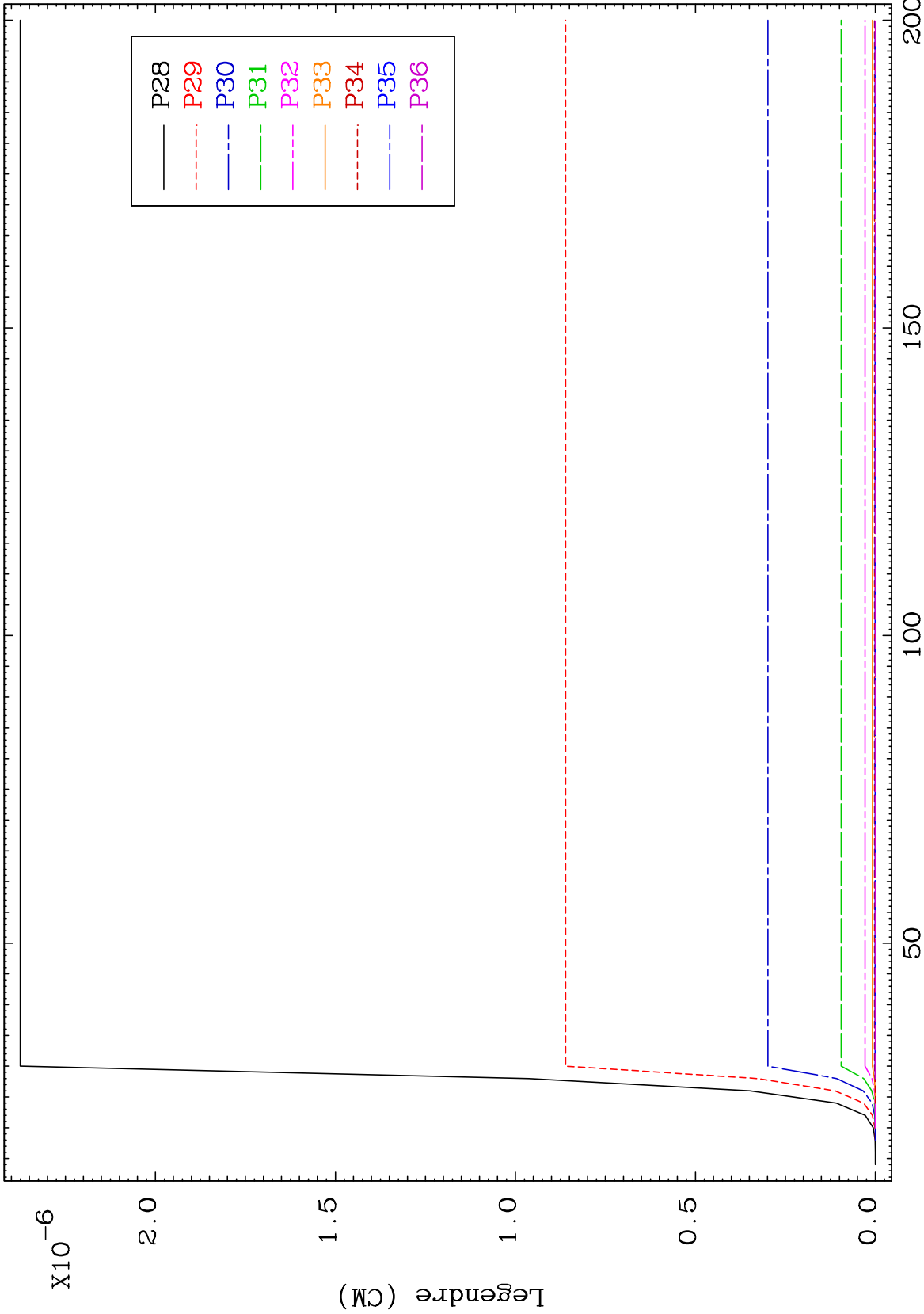
118

57-La-133

MAT 5710

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

57-La-133



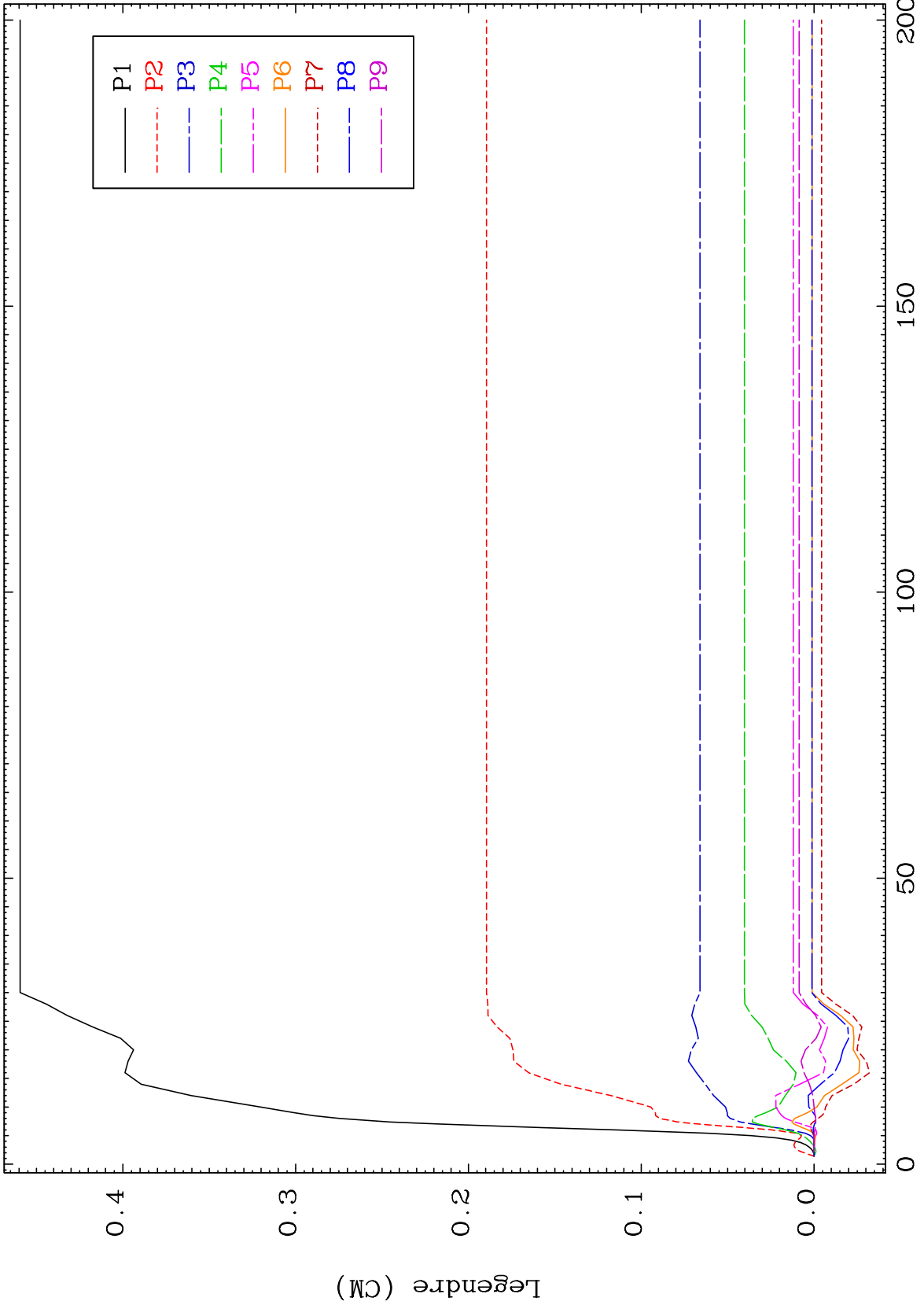
119

57-La-133

MAT 5710

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

57-La-133

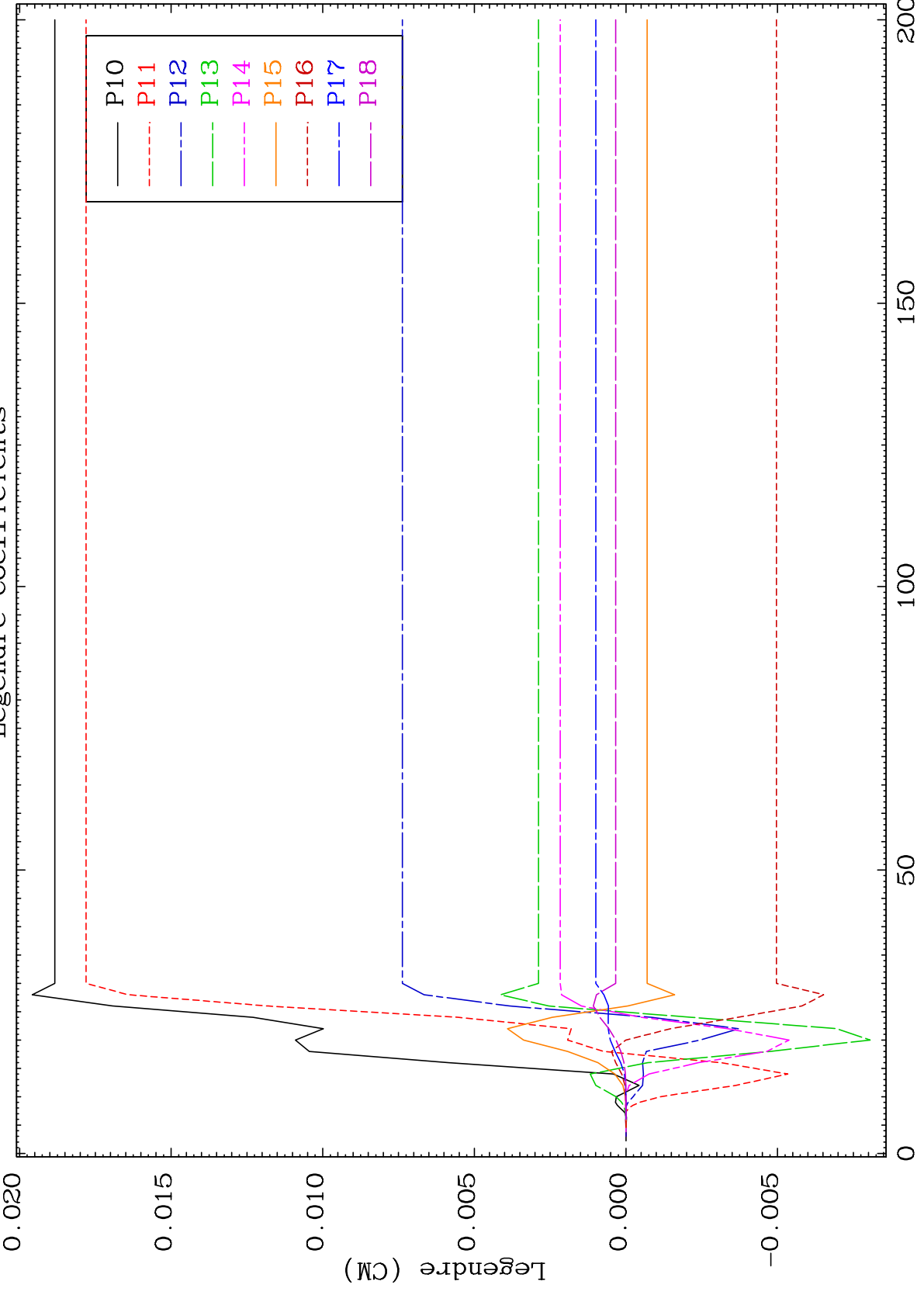


57-La-133

Incident Energy (MeV)

Legendre (CM)

MAT 5710 MT= 76 (n,n') Level Legendre Coefficients 57-La-133



57-La-133

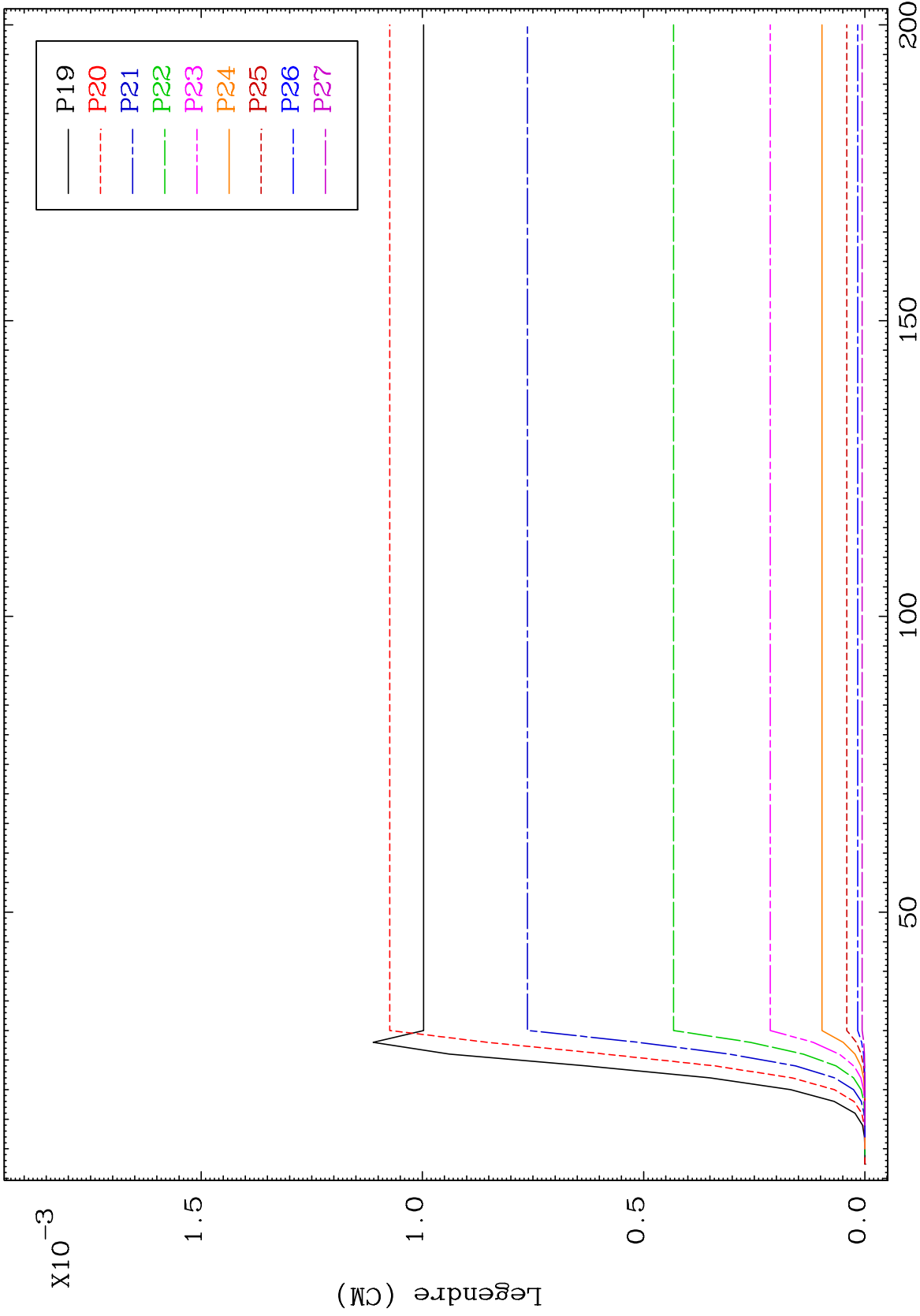
Incident Energy (MeV)

121

MAT 5710

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

57-La-133



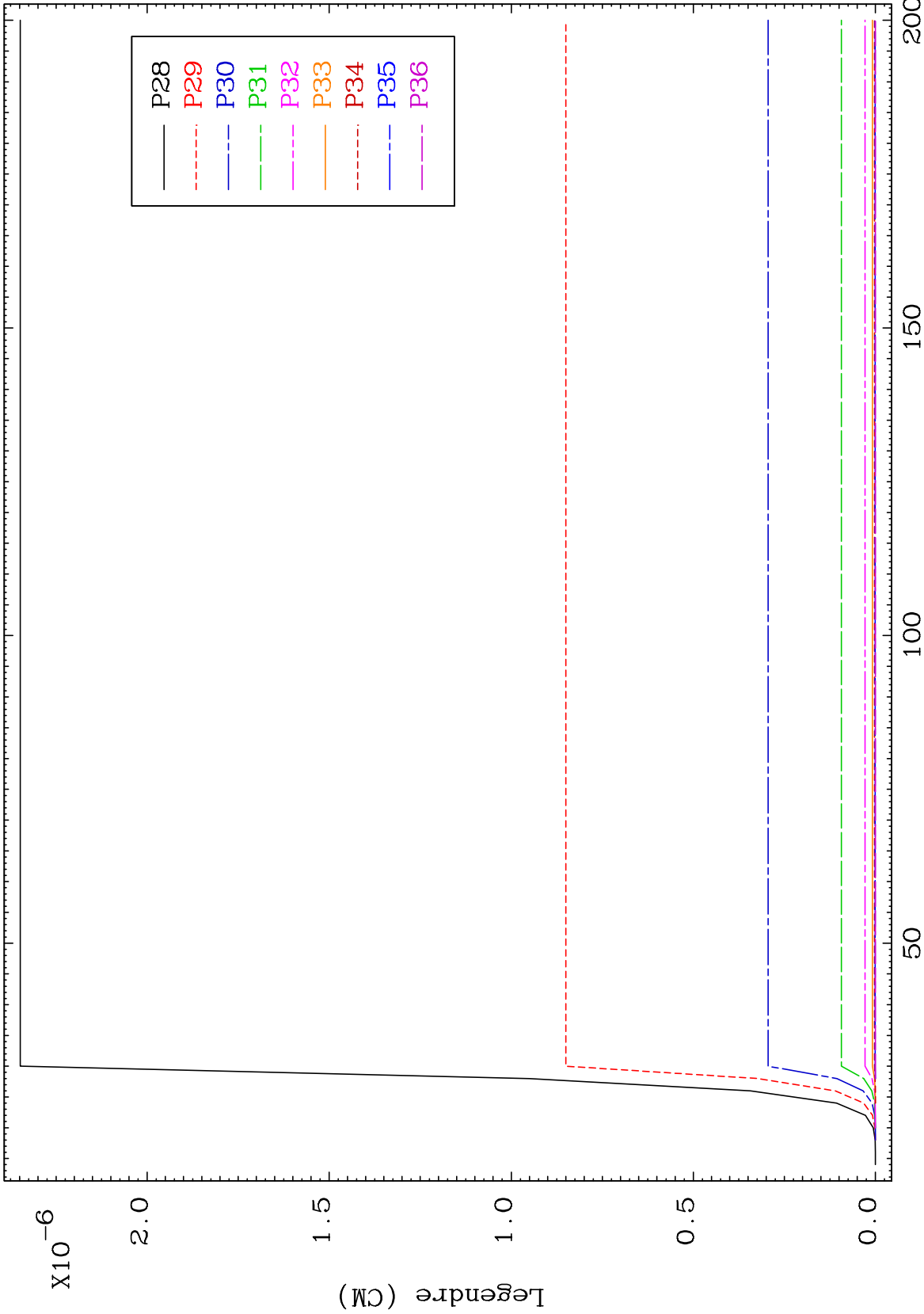
122

57-La-133

MAT 5710

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

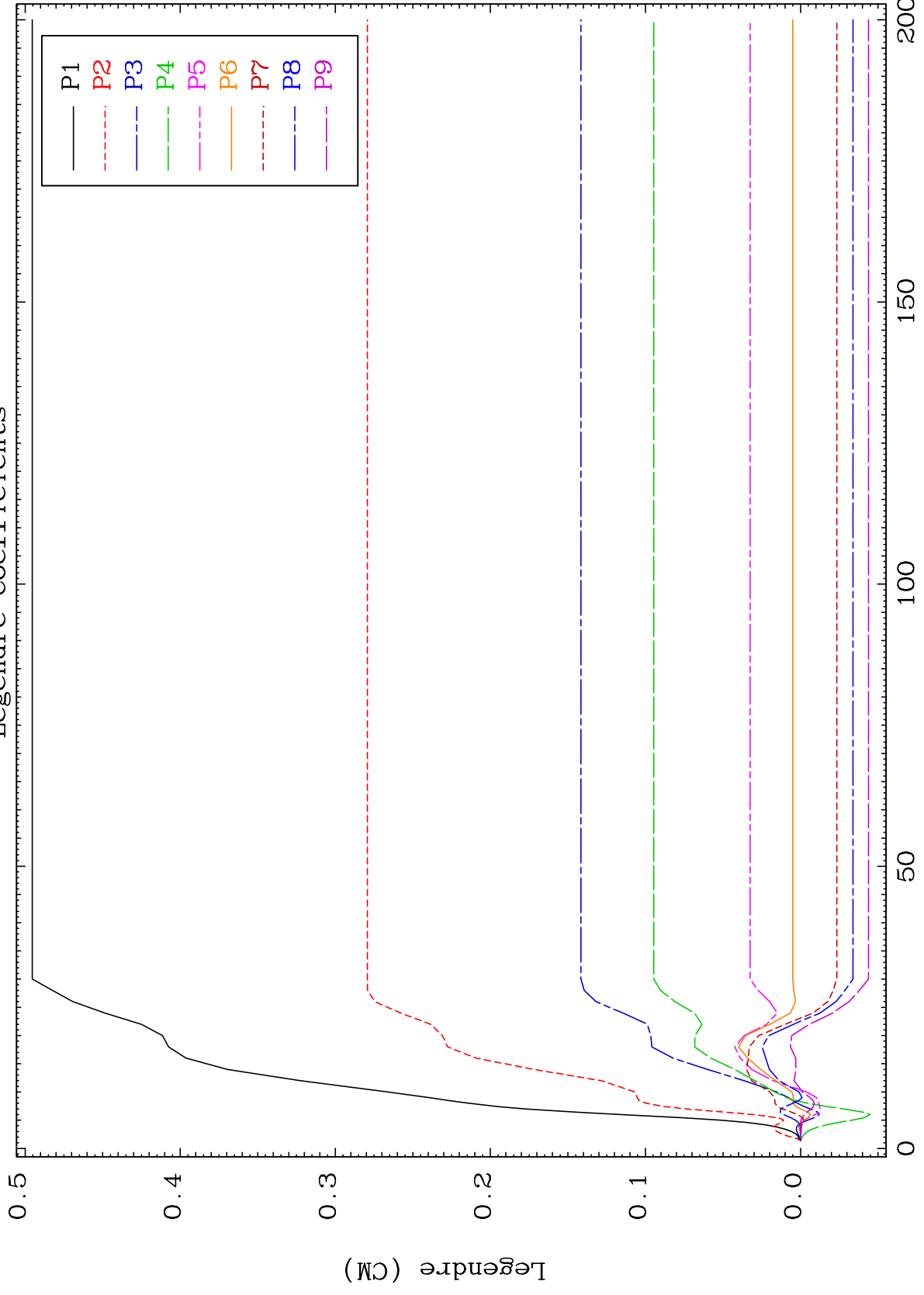
57-La-133



123

57-La-133

MAT 5710 MT= 77 (n,n') Level Legendre Coefficients 57-La-133

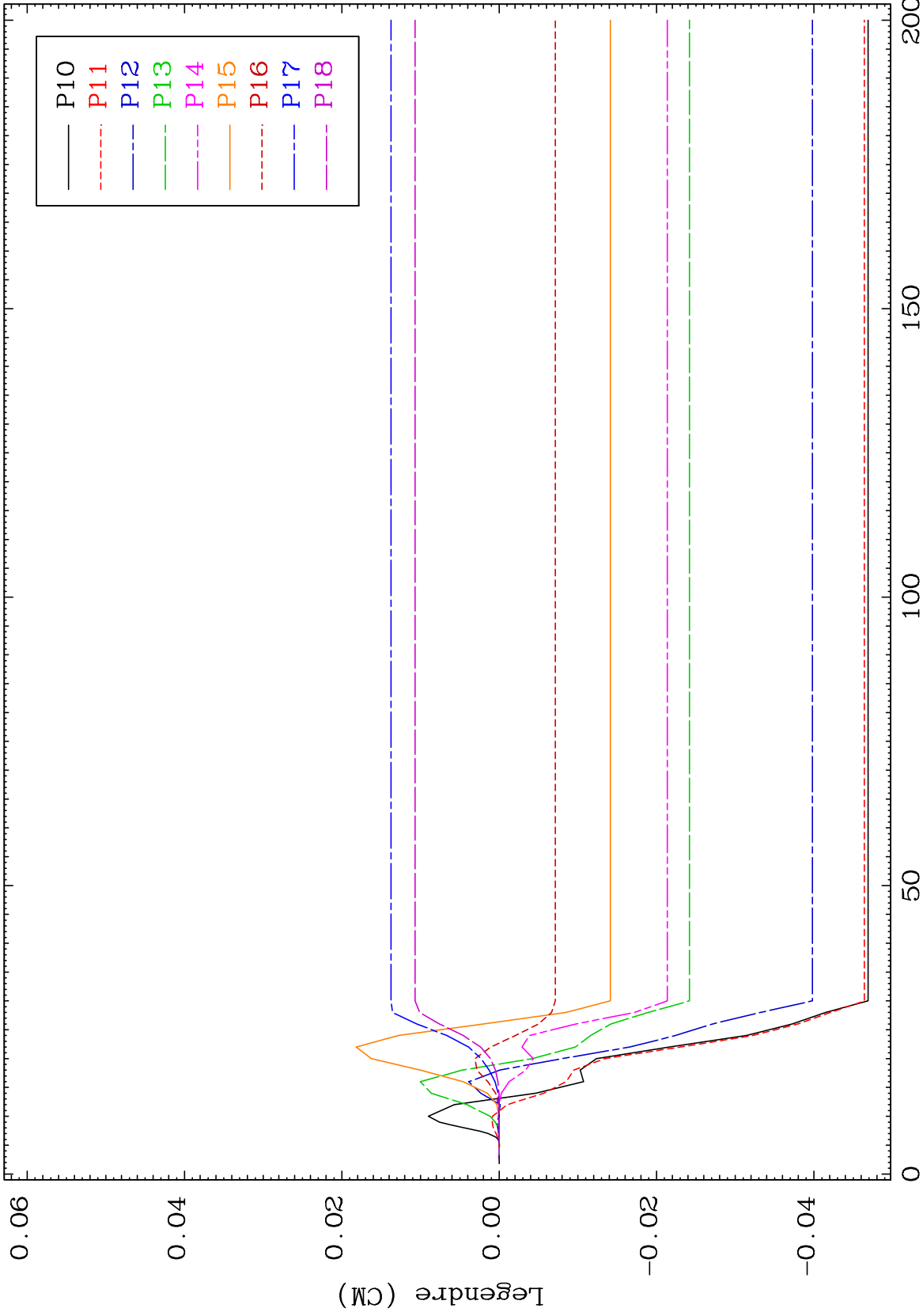


124 57-La-133

MAT 5710

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

57-La-133



125

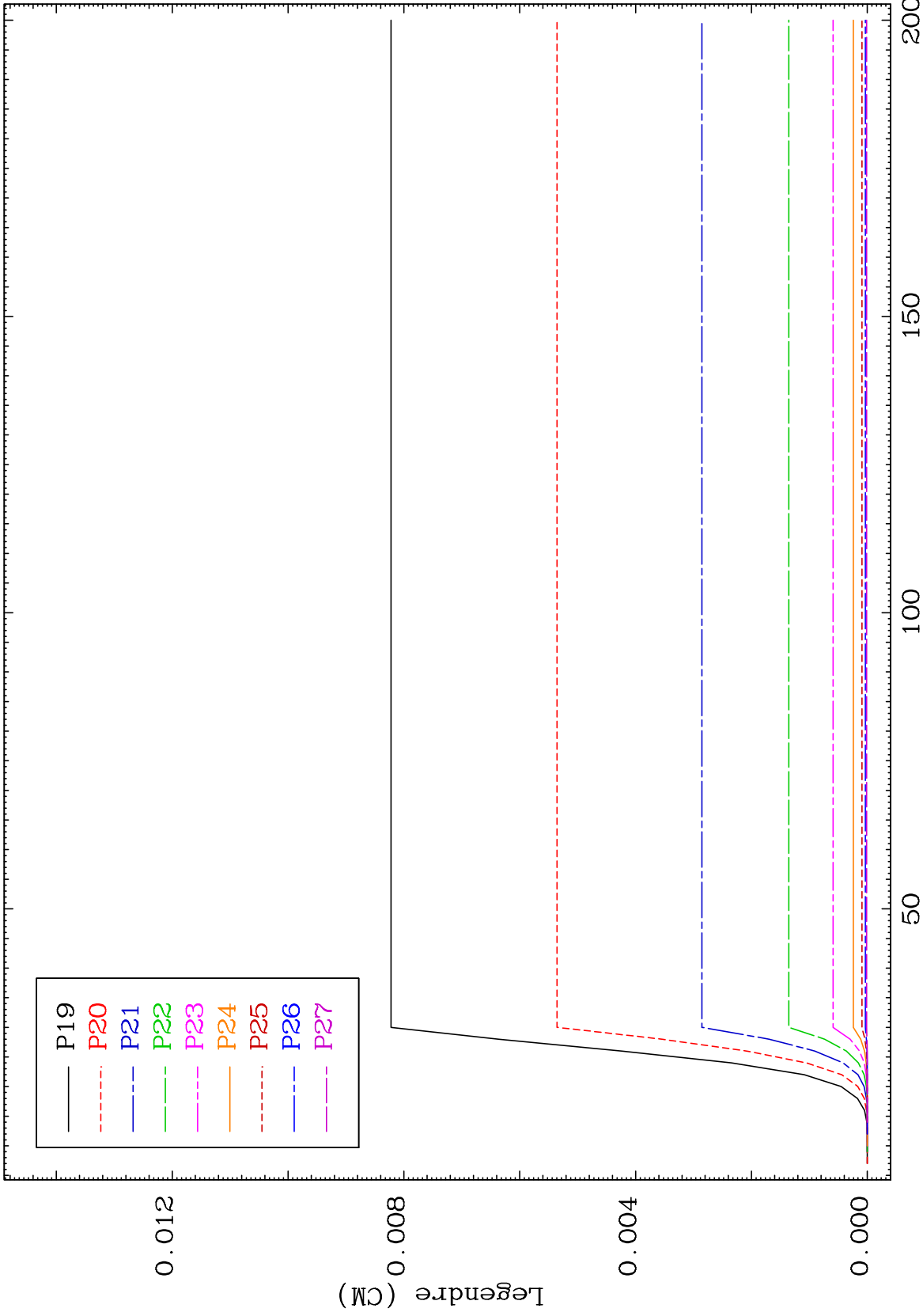
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



126

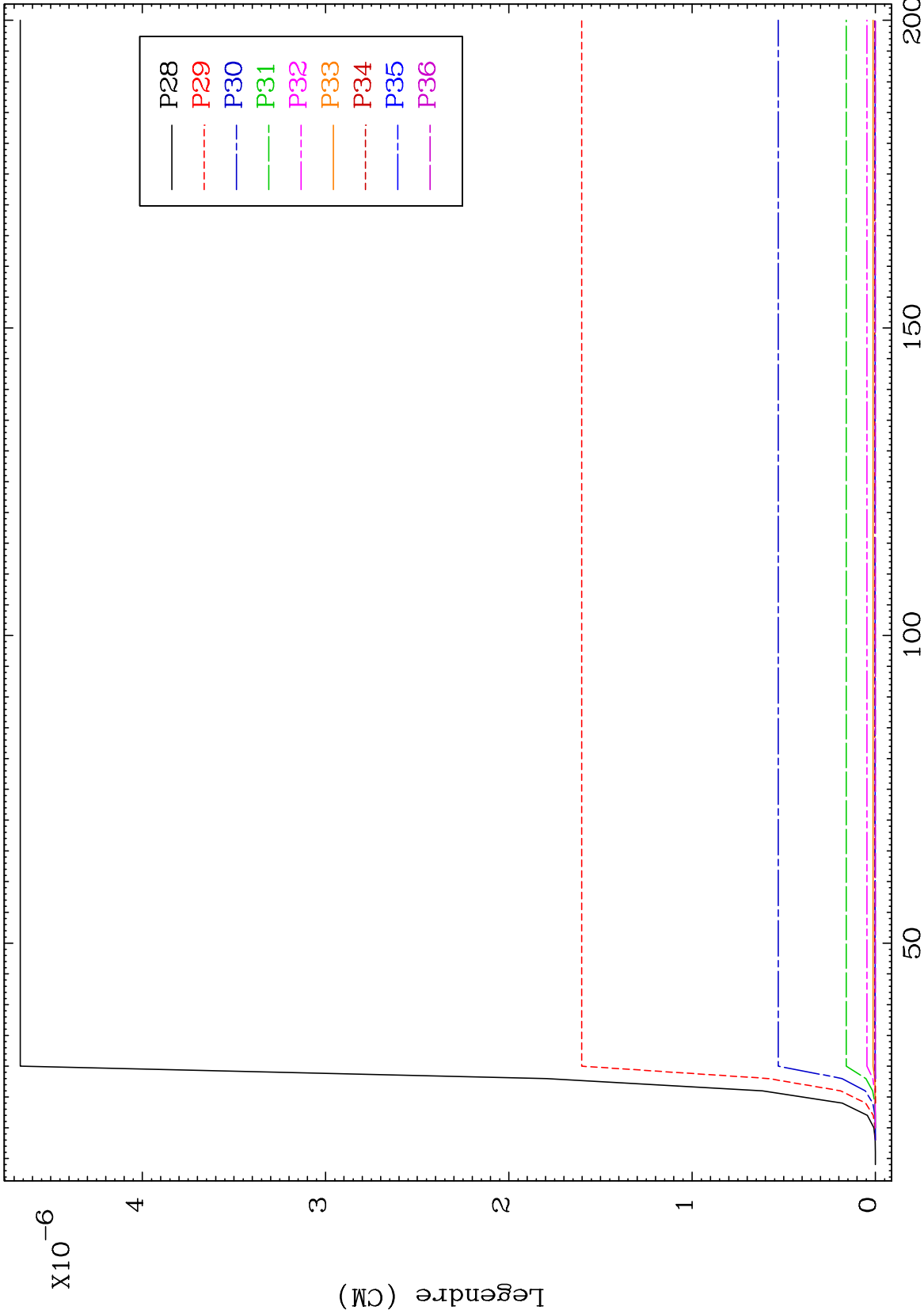
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



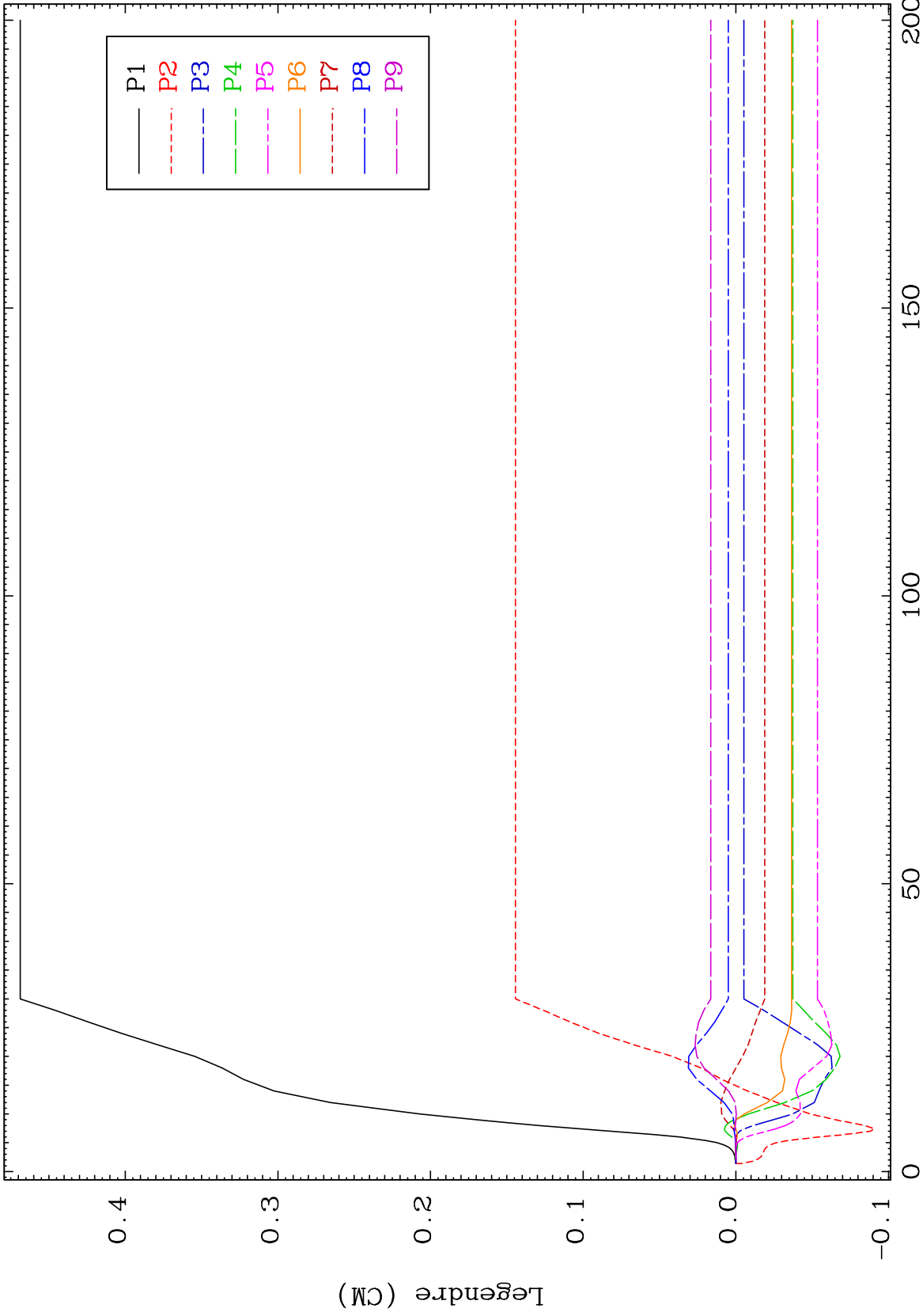
127

57-La-133

MAT 5710

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

57-La-133



128

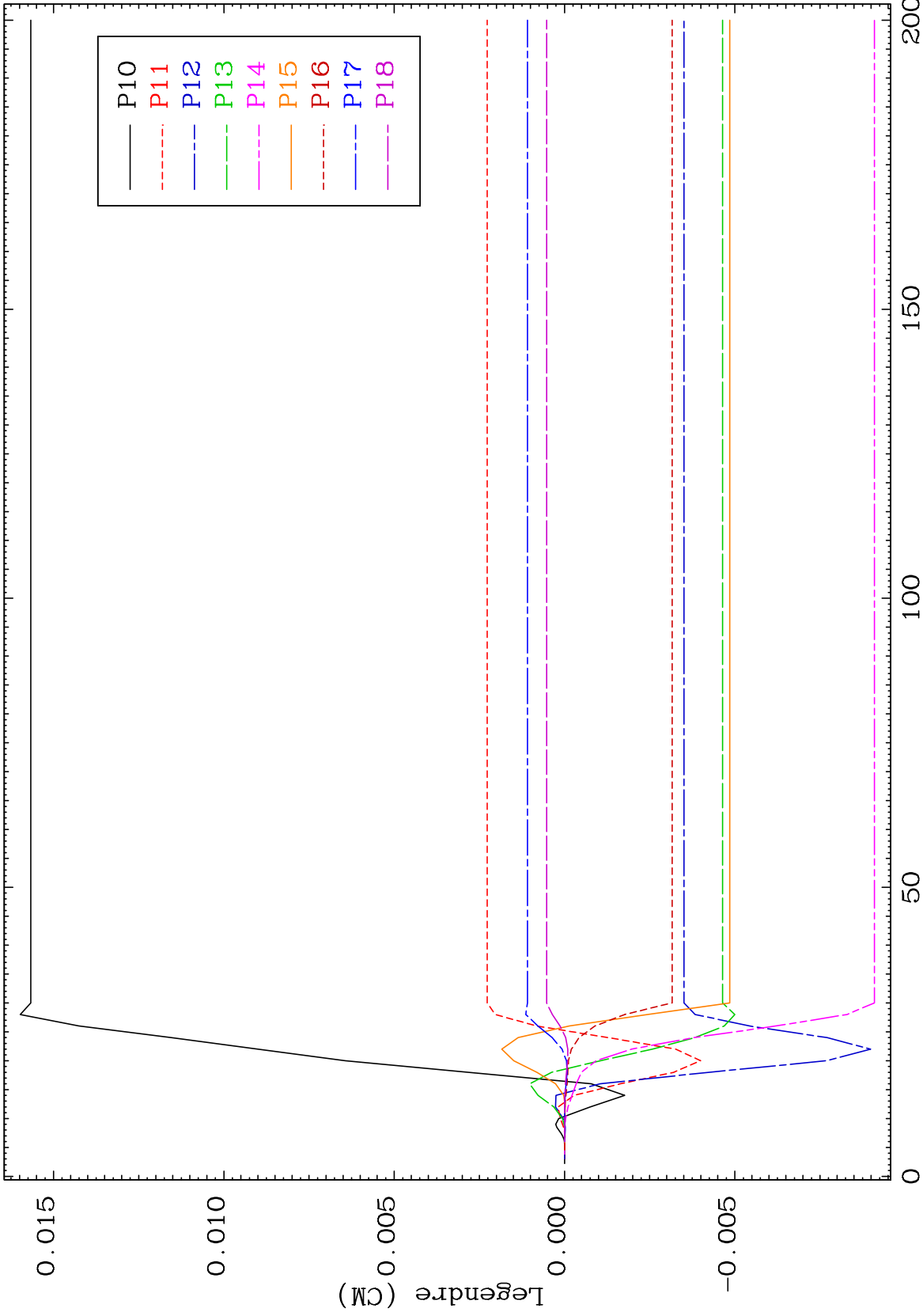
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



129

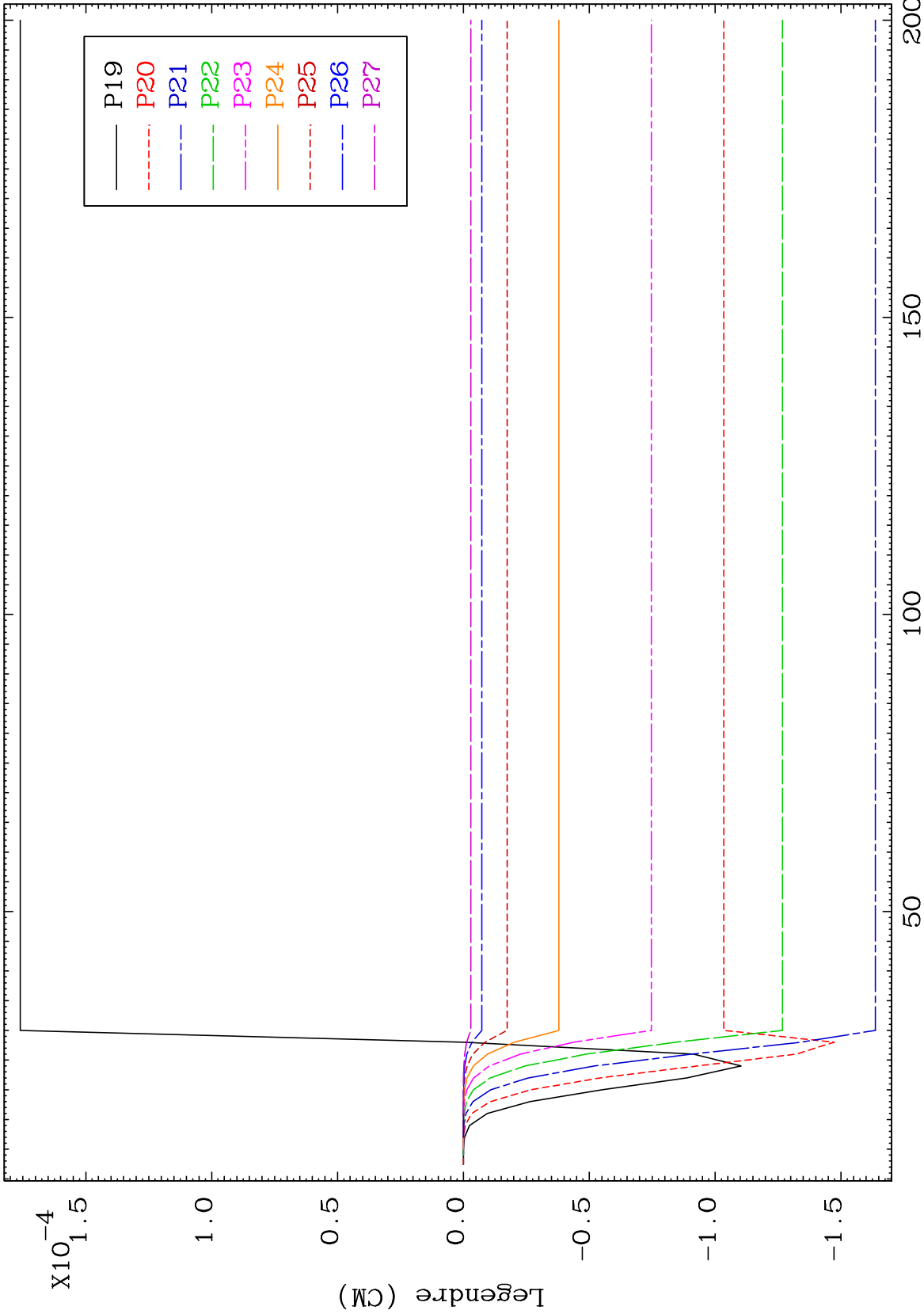
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133

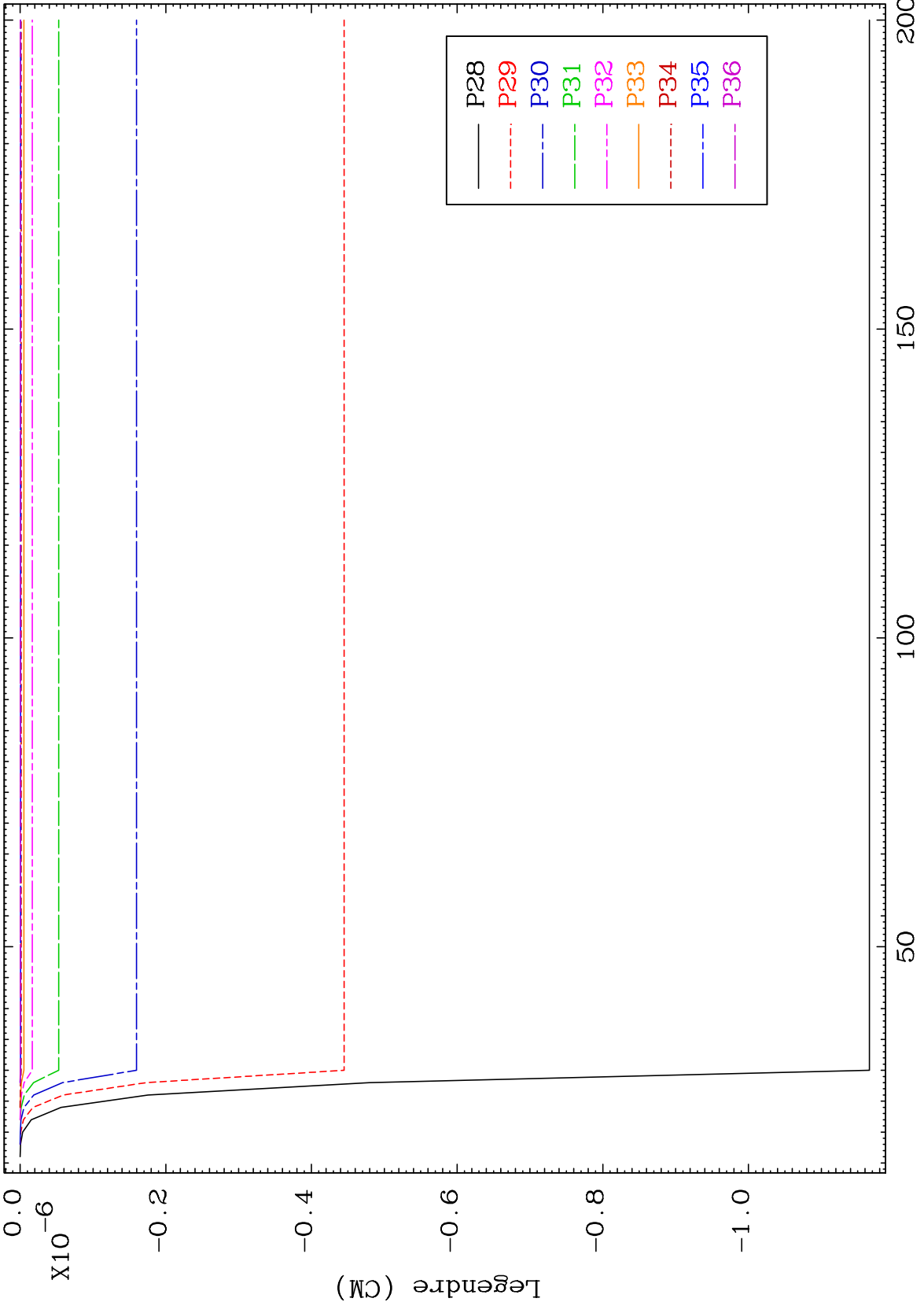


130

Incident Energy (MeV)

57-La-133

MAT 5710 MT= 78 (n,n') Level Legendre Coefficients 57-La-133

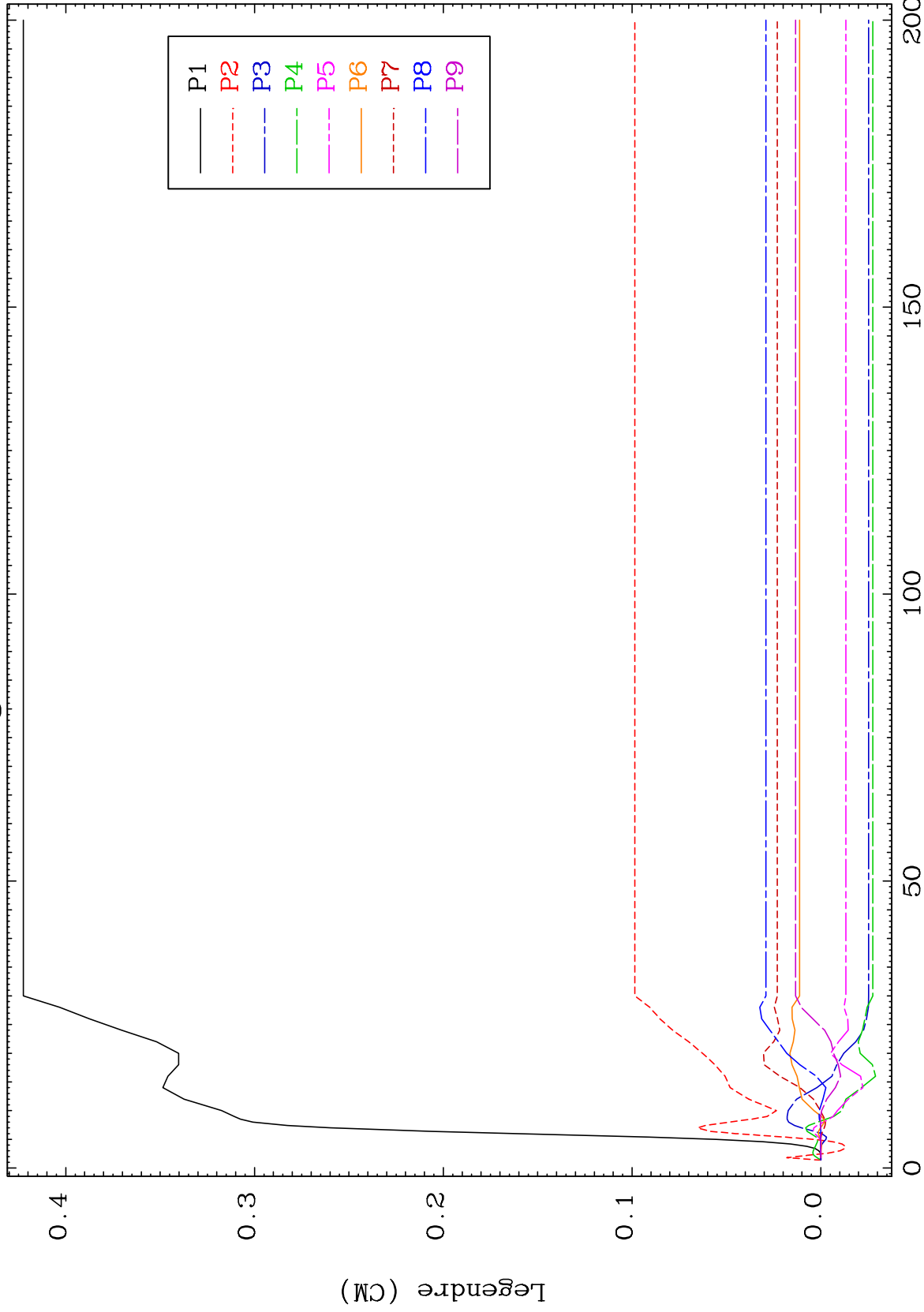


131 57-La-133

MAT 5710

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

57-La-133



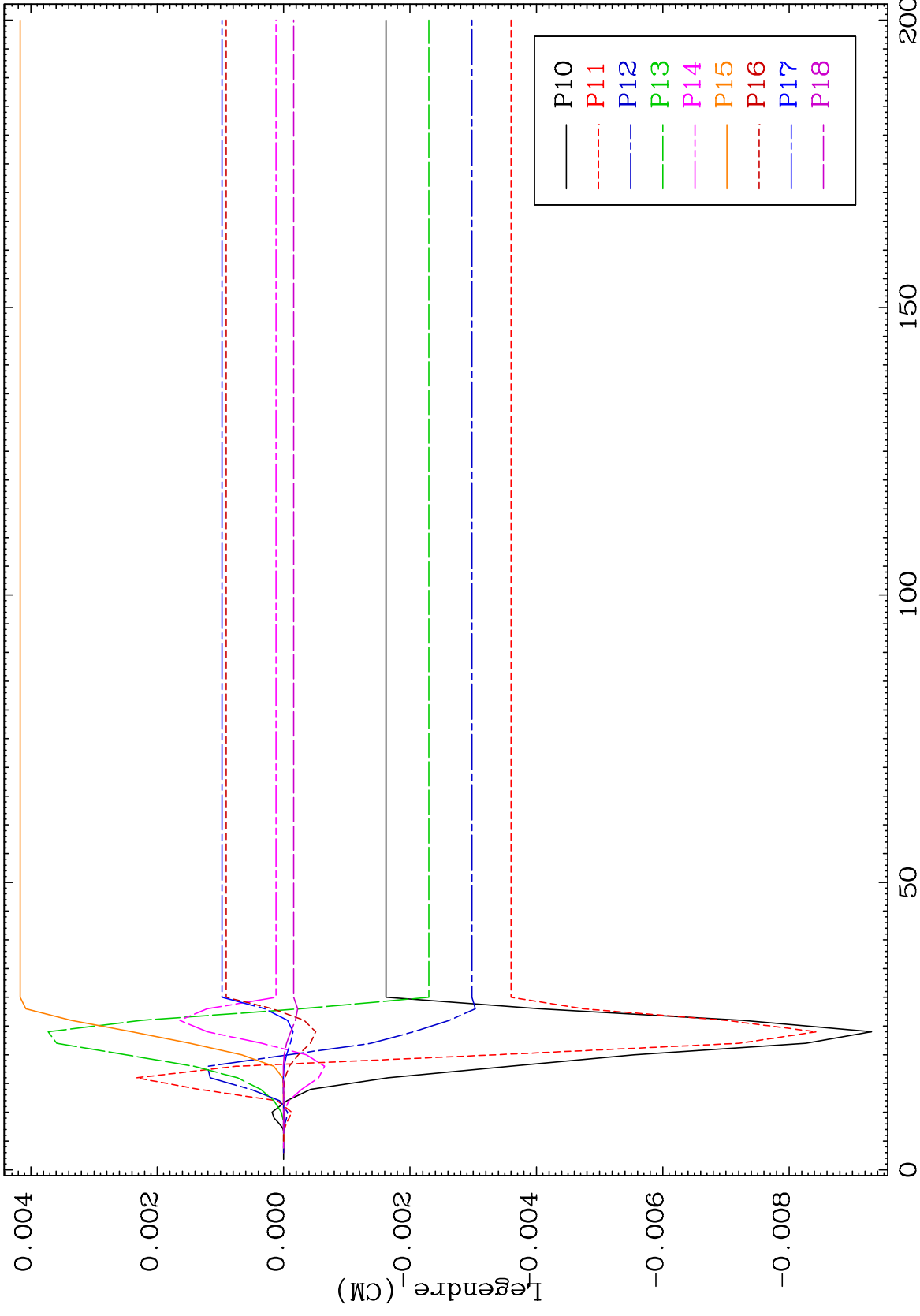
57-La-133

132

MAT 5710

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

57-La-133



133

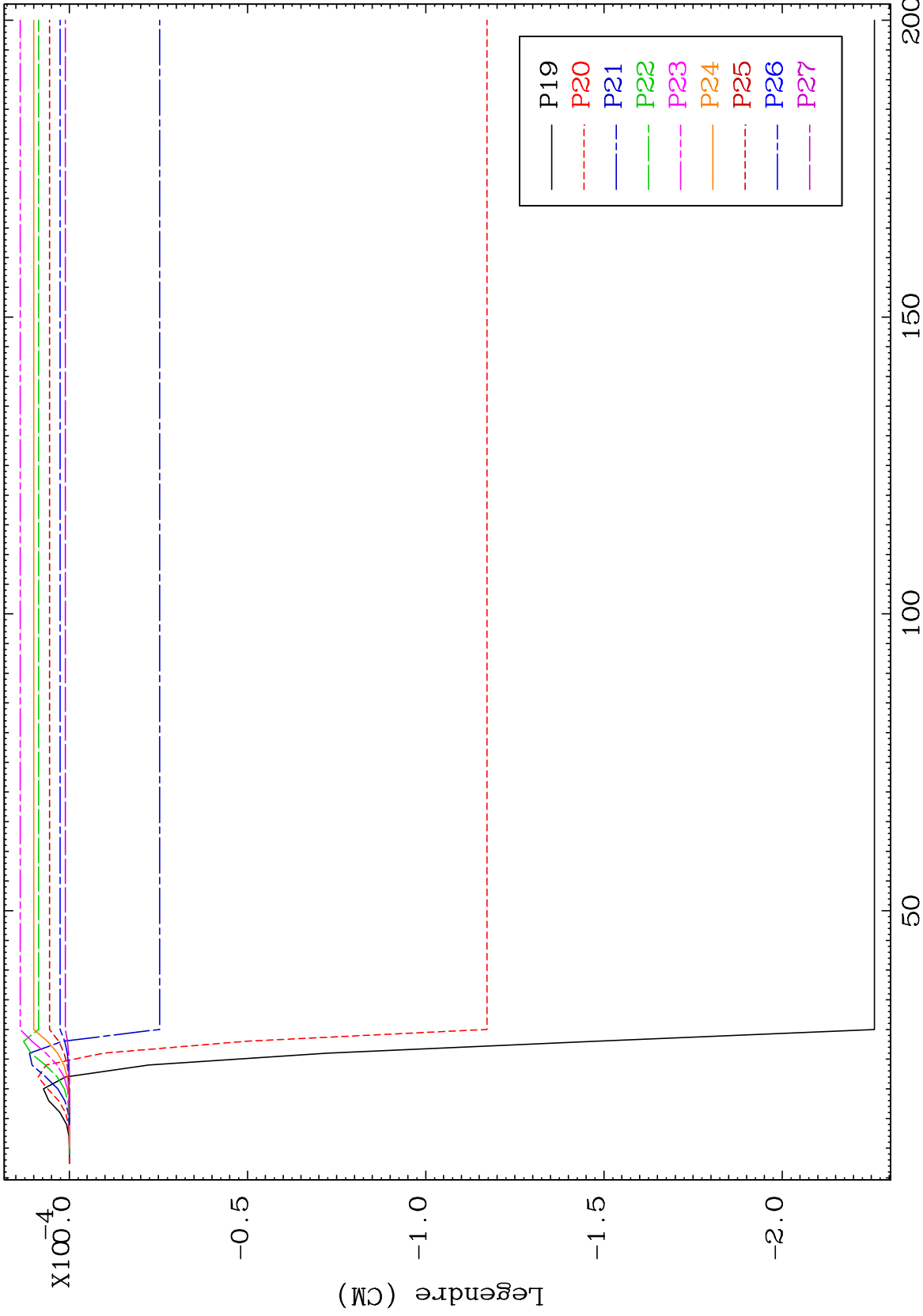
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



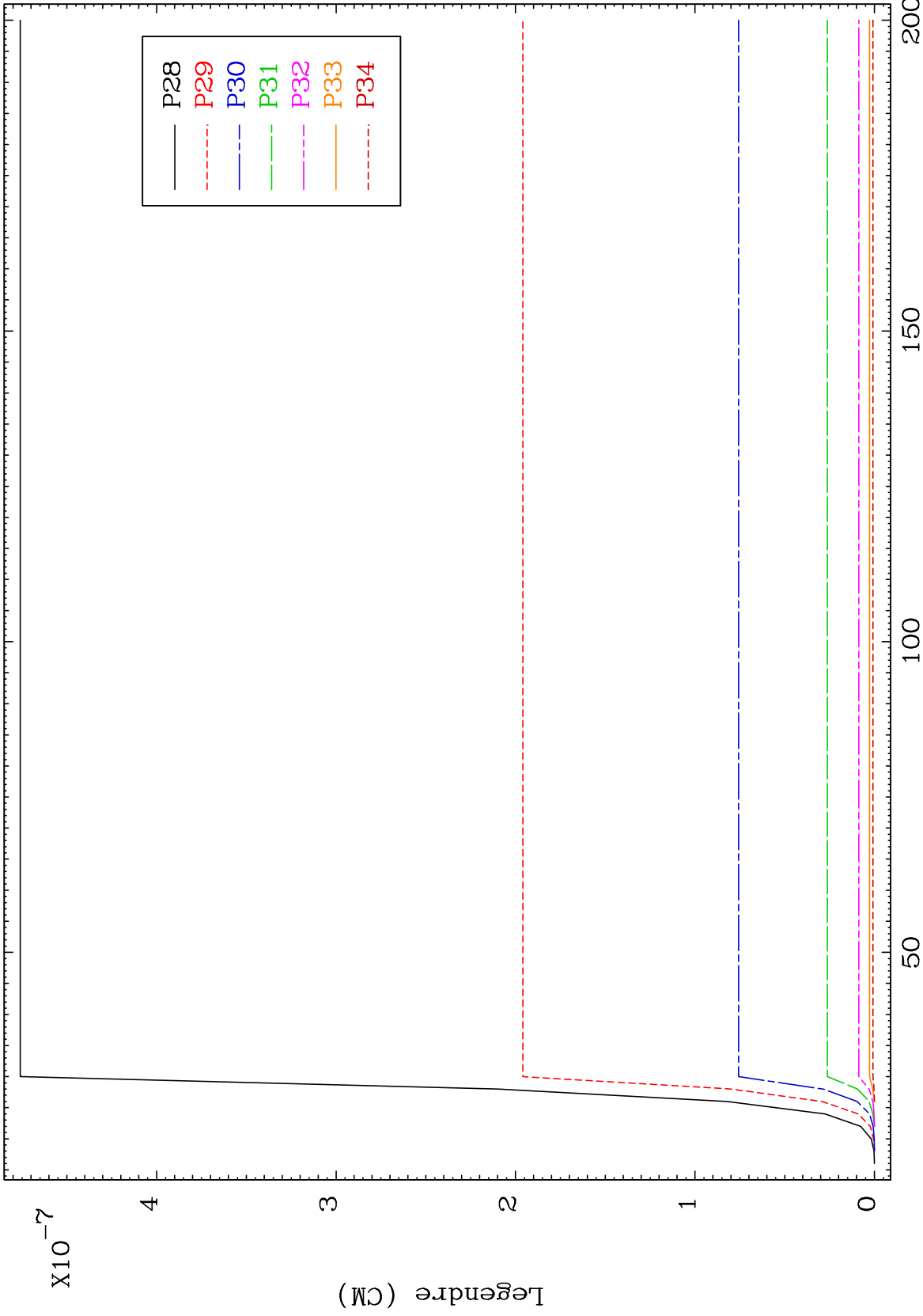
134

57-La-133

MAT 5710

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

57-La-133



135

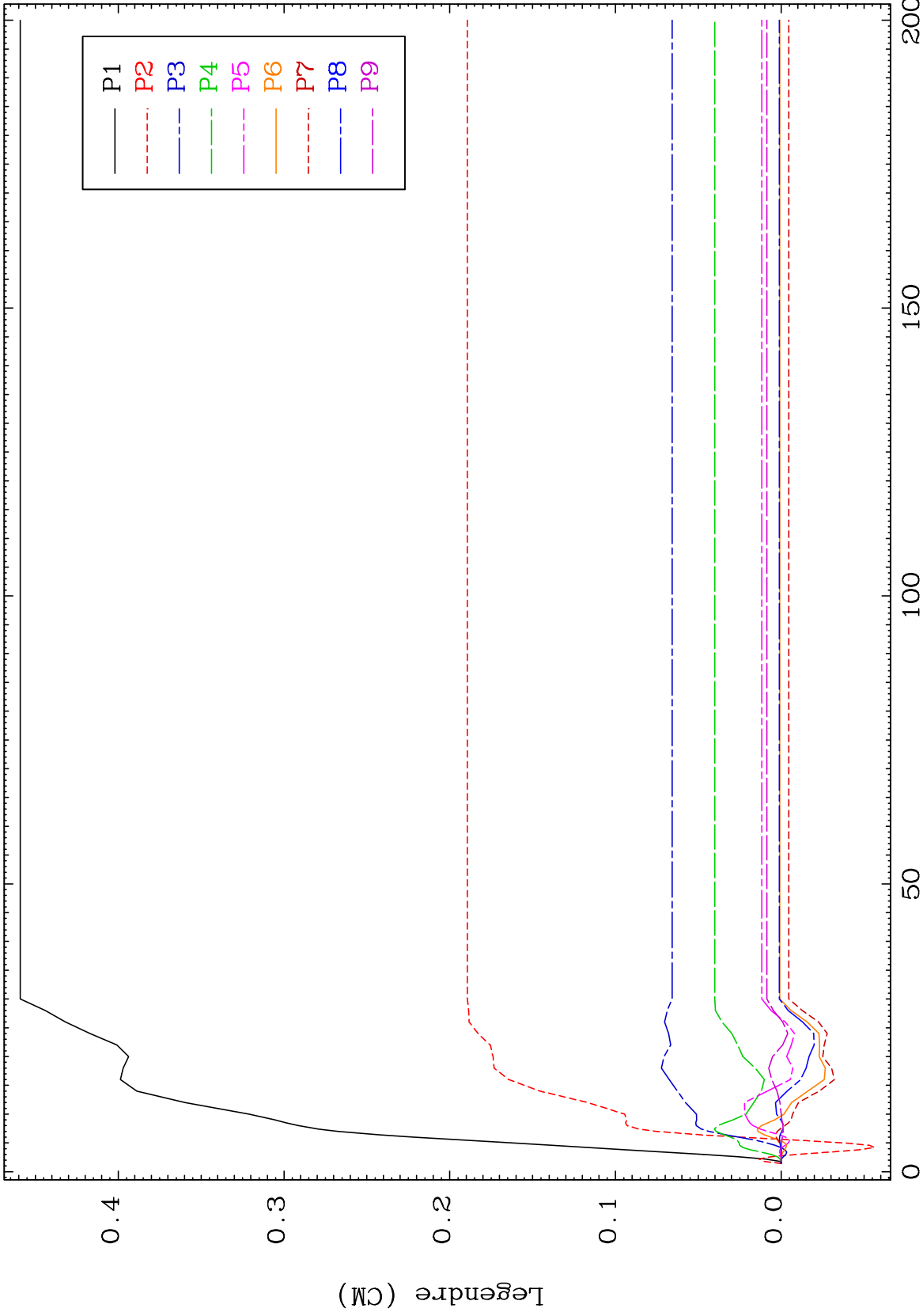
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133

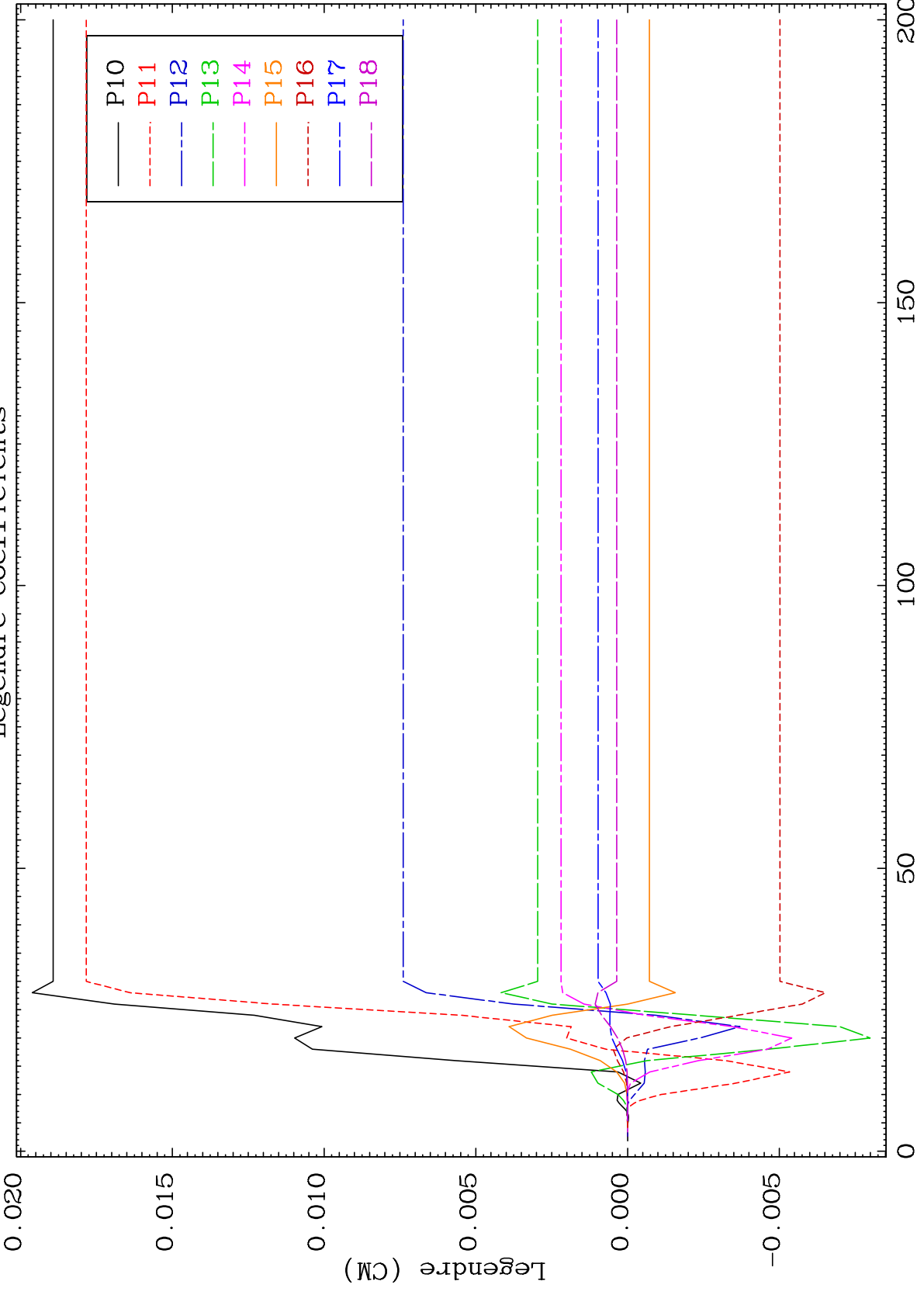


136

Incident Energy (MeV)

57-La-133

MAT 5710 MT= 80 (n,n') Level Legendre Coefficients 57-La-133

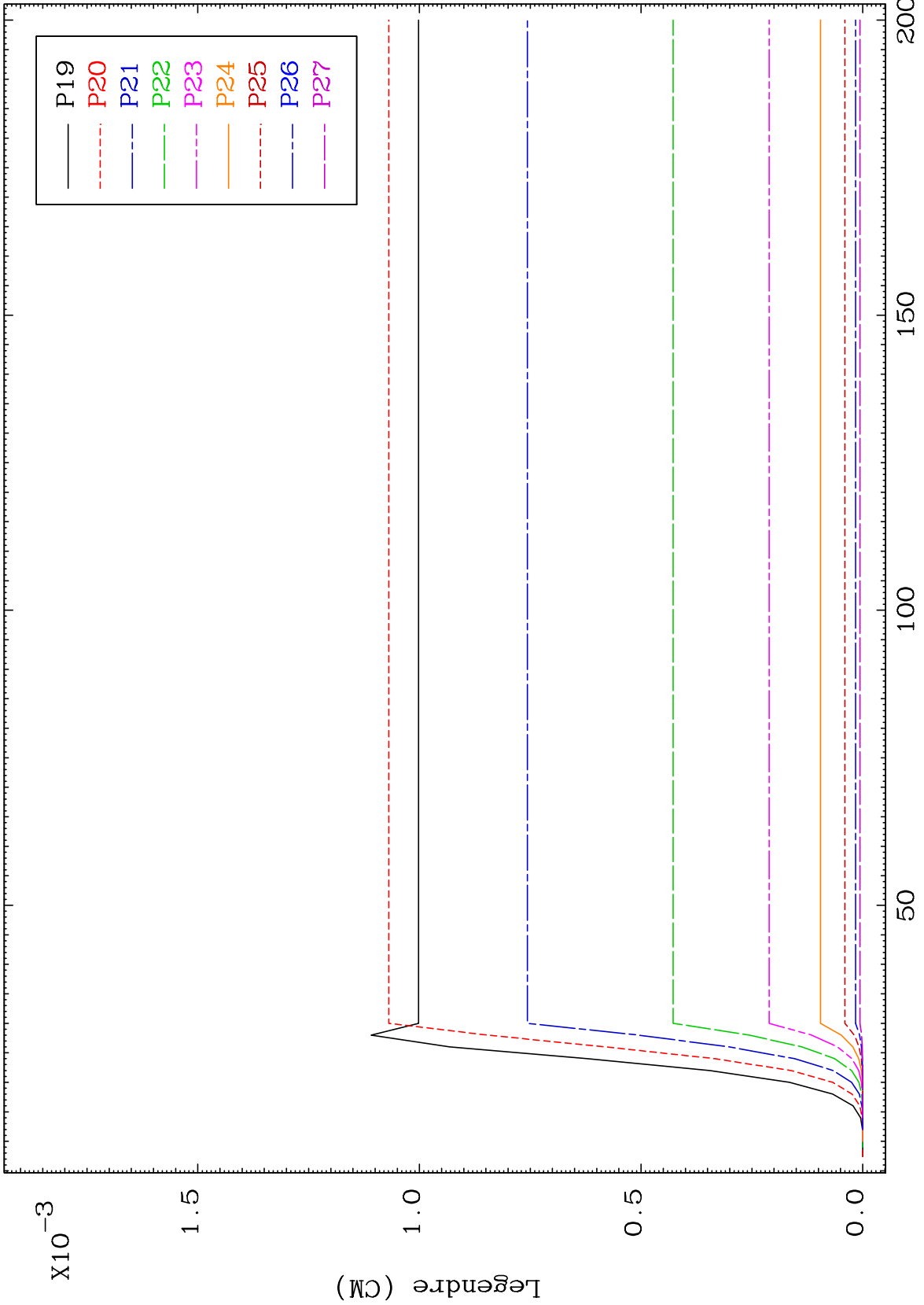


137 57-La-133

MAT 5710

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

57-La-133



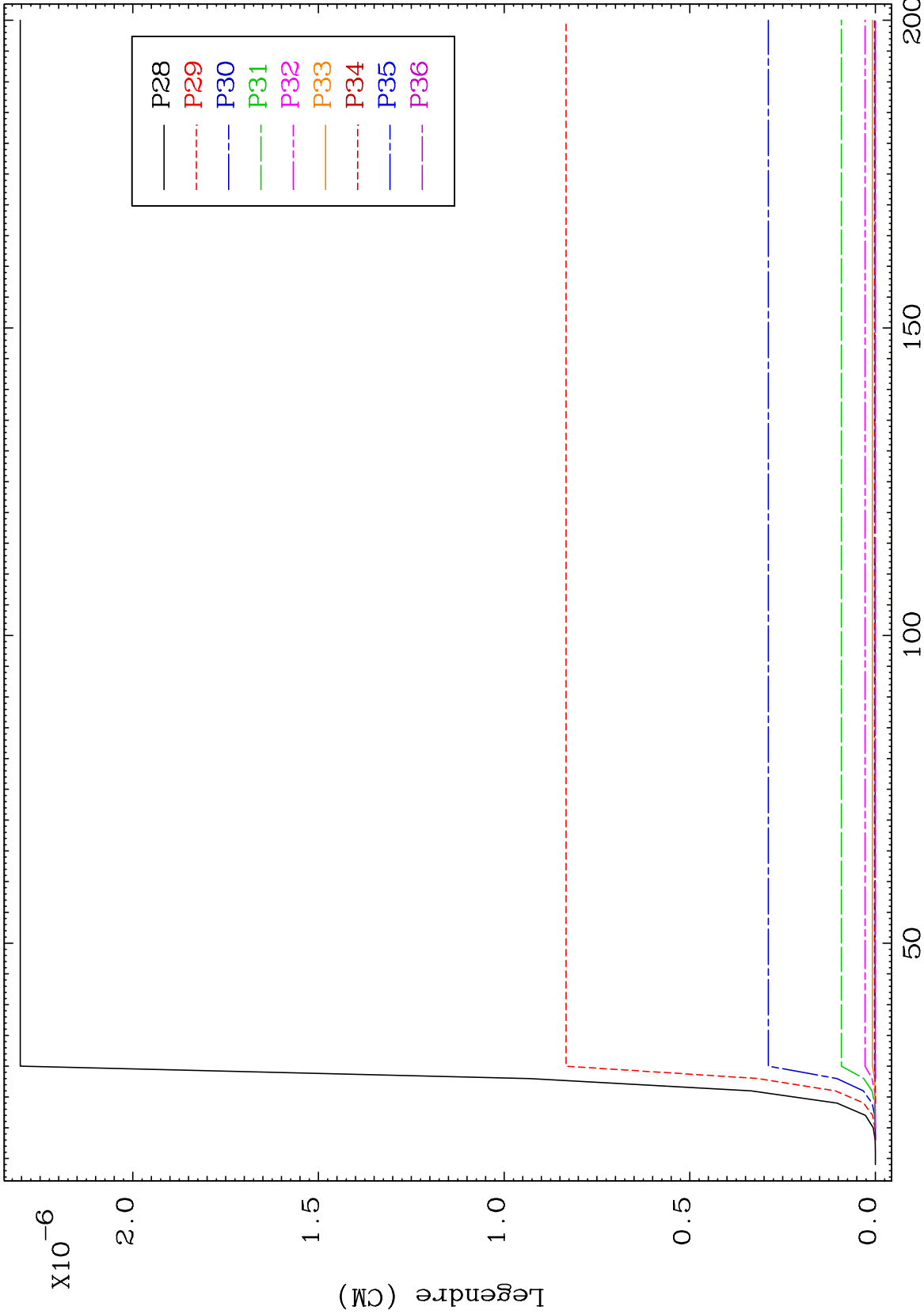
138

57-La-133

MAT 5710

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

57-La-133



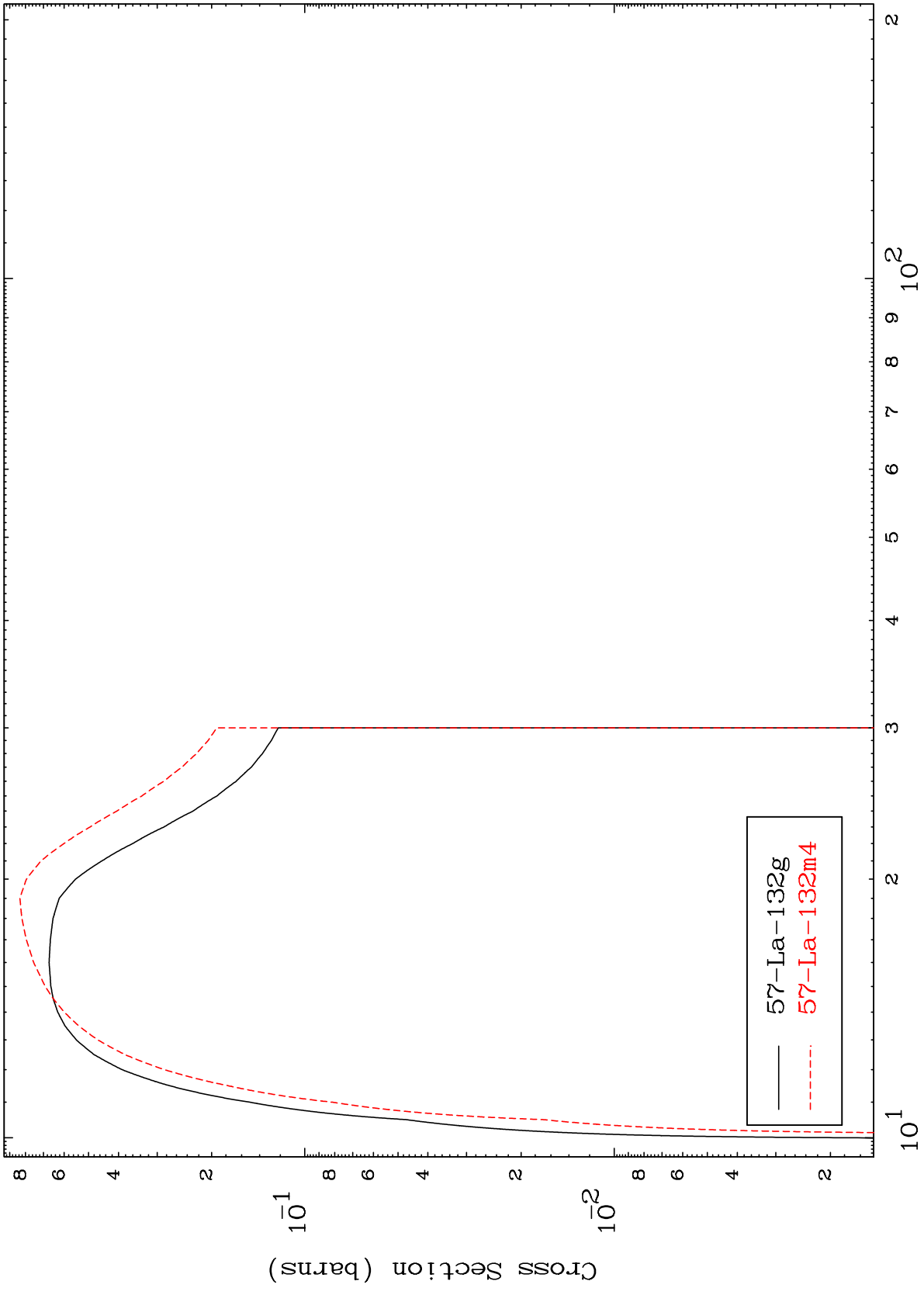
139

57-La-133

MAT 5710

57-La-133

Radionuclide Production Cross Section
(n,2n)



57-La-133

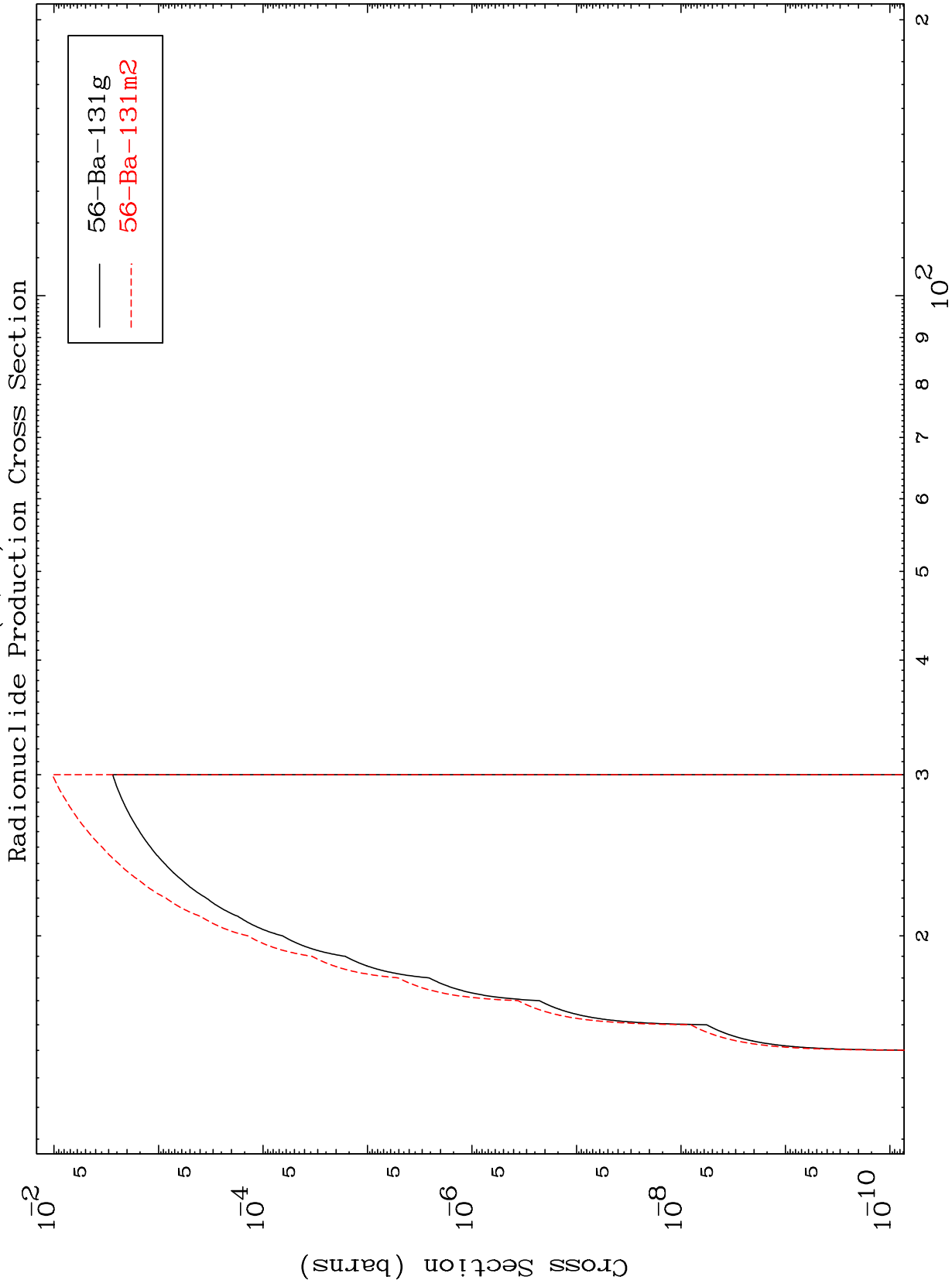
Incident Energy (MeV)

140

MAT 5710

(n,n') d

57-La-133



141

Incident Energy (MeV)

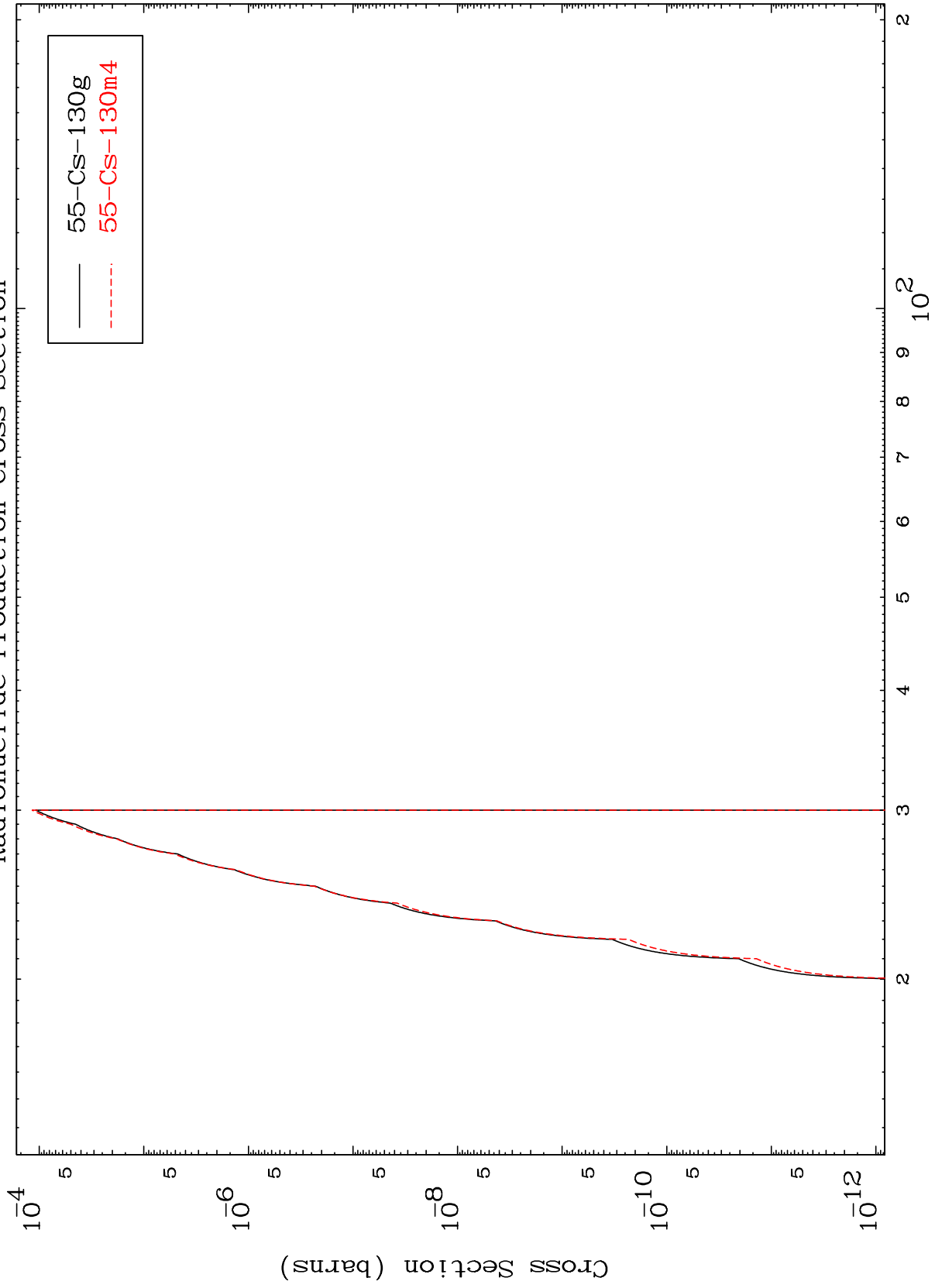
57-La-133

MAT 5710

(n, n') He-3

57-La-133

Radionuclide Production Cross Section



142

Incident Energy (MeV)

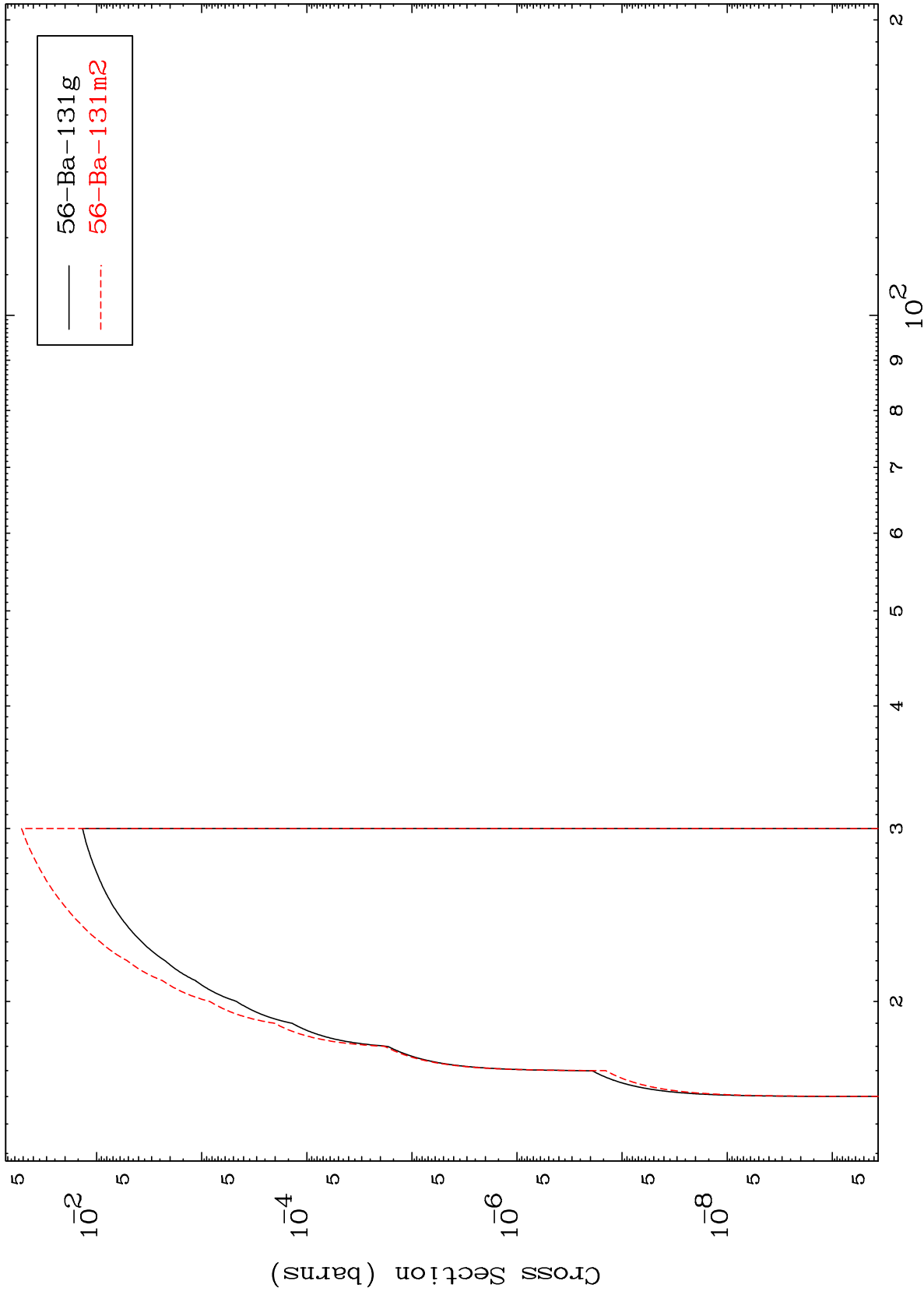
57-La-133

MAT 5710

(n,2n) p

57-La-133

Radionuclide Production Cross Section



143

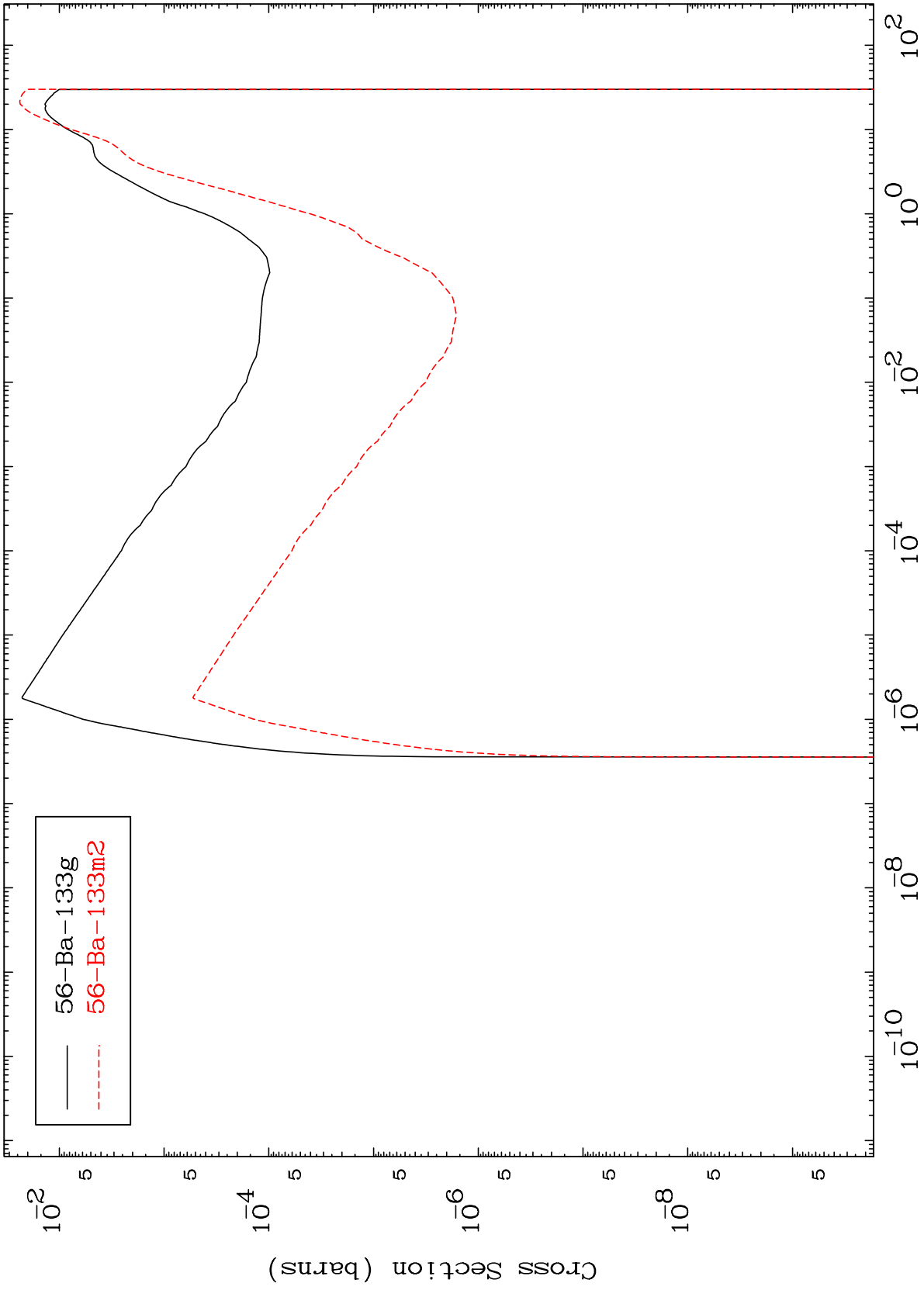
Incident Energy (MeV)

57-La-133

MAT 5710

57-La-133

Radionuclide Production Cross Section
(n,p)



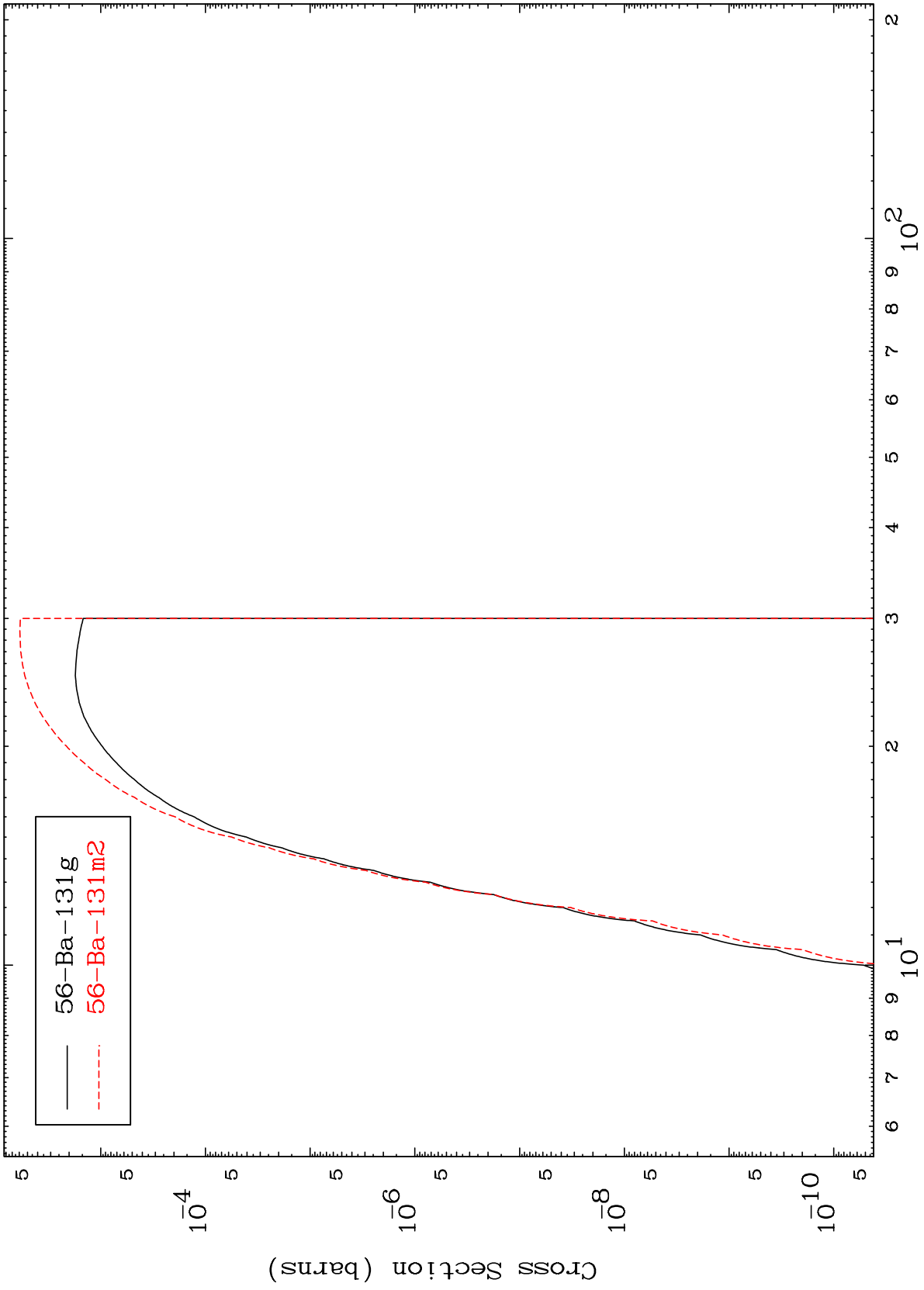
144

57-La-133

MAT 5710

57-La-133

Radionuclide Production Cross Section
(n, t)



145

Incident Energy (MeV)

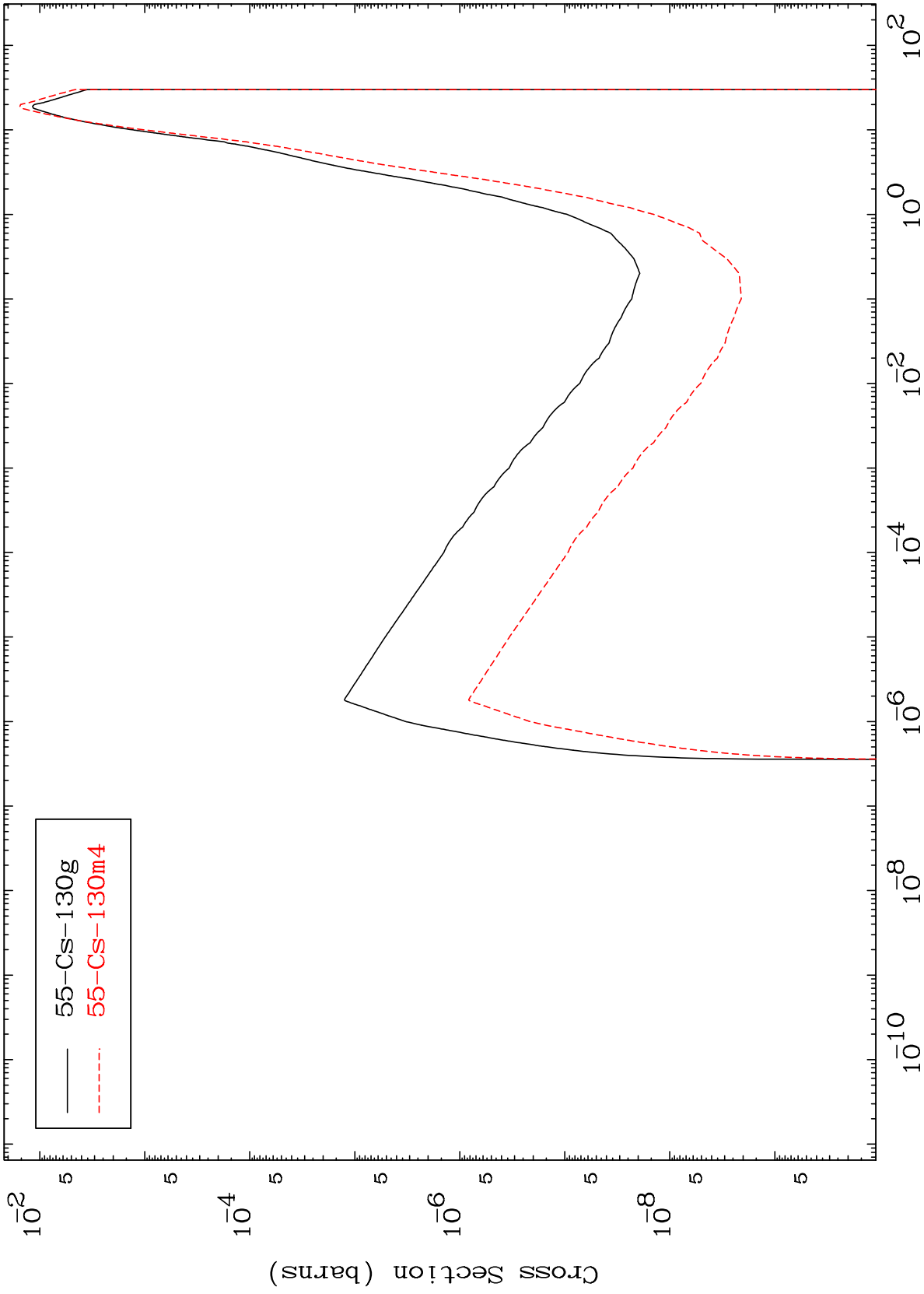
57-La-133

MAT 5710

(n, α)

57-La-133

Radionuclide Production Cross Section



146

Incident Energy (MeV)

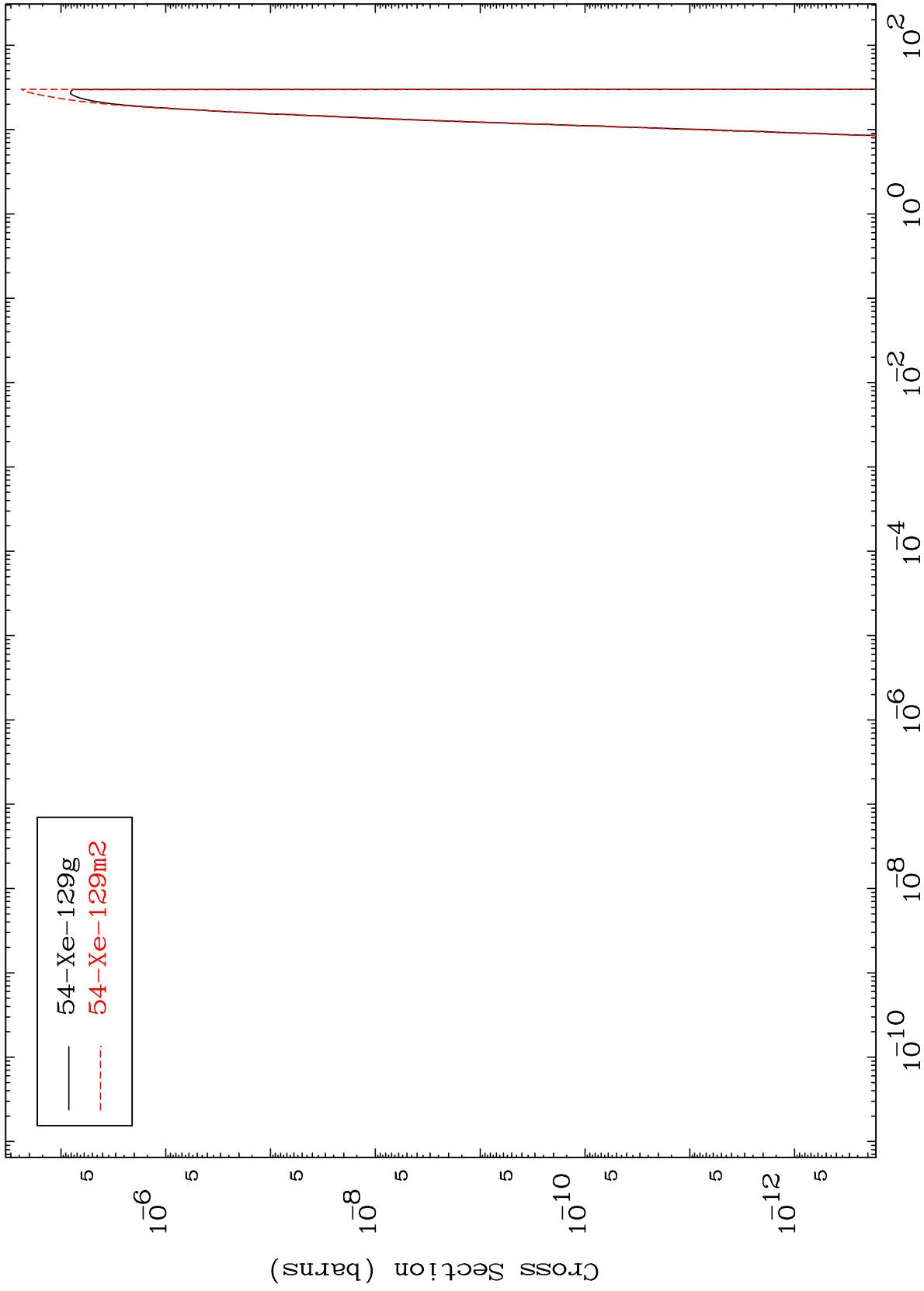
57-La-133

MAT 5710

(n,p) α

57-La-133

Radionuclide Production Cross Section



147

Incident Energy (MeV)

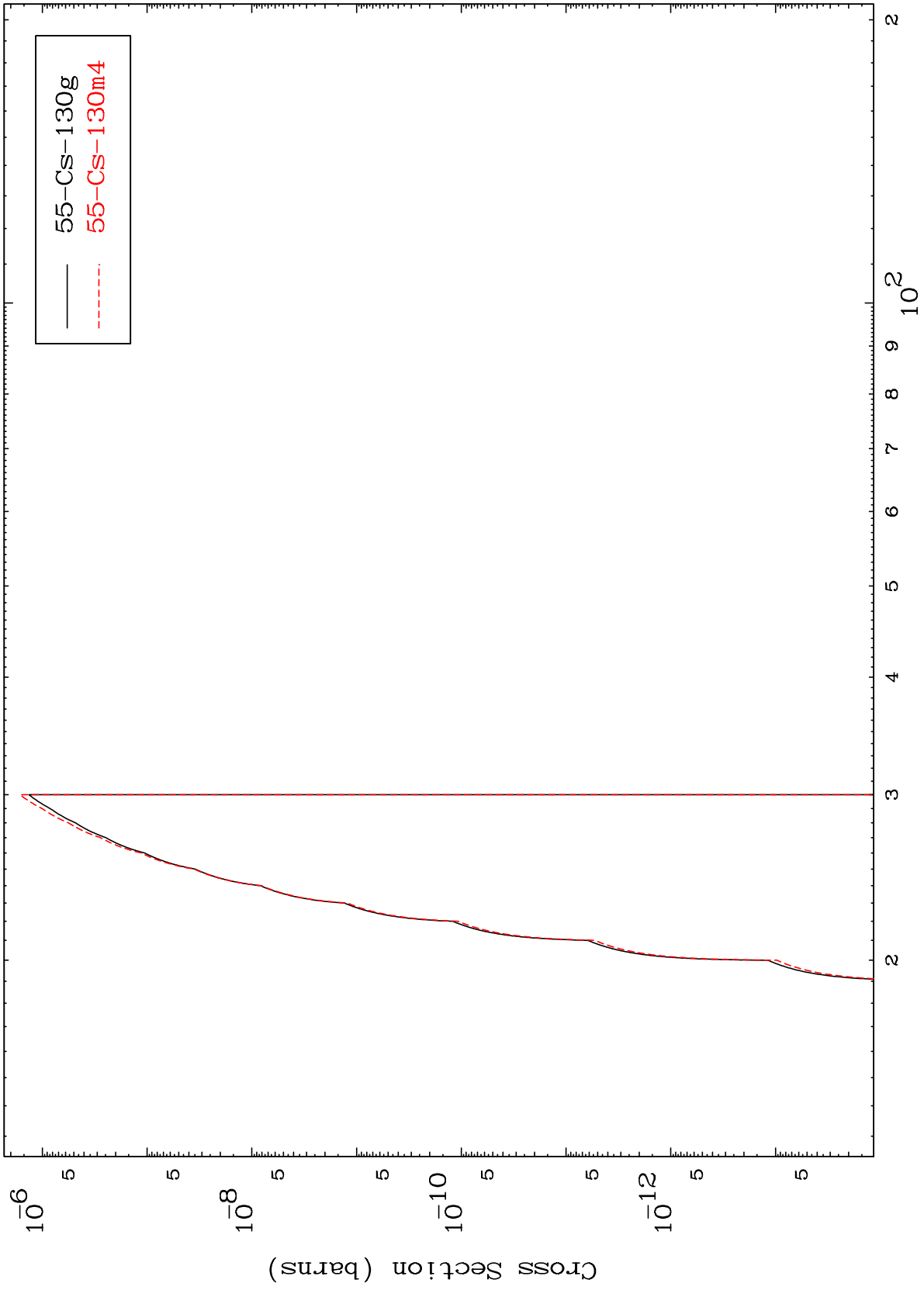
57-La-133

MAT 5710

(n,p) t

57-La-133

Radionuclide Production Cross Section



148

Incident Energy (MeV)

57-La-133