

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

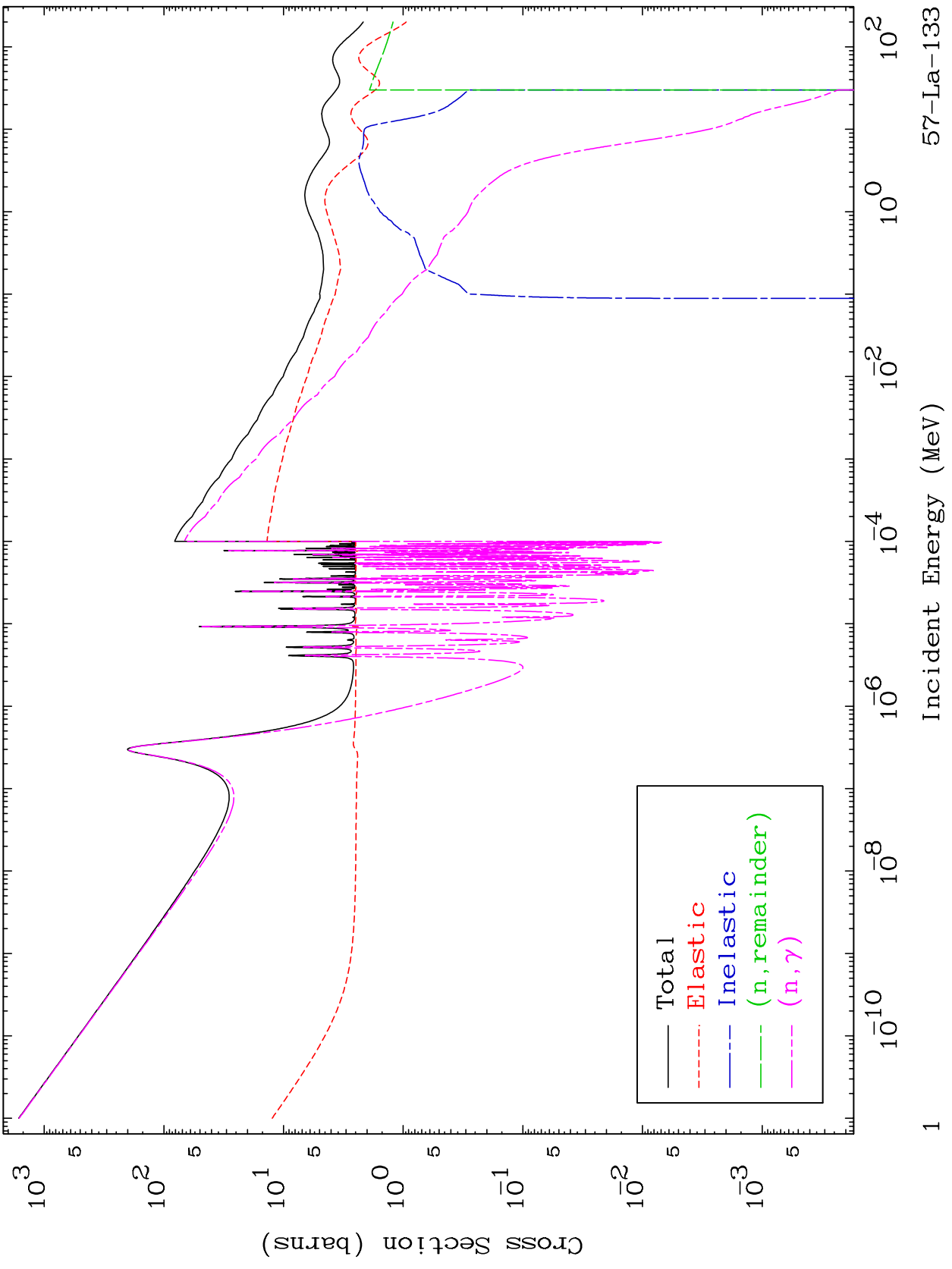
Press Mouse Button to Start

MAT 5710

Major

293 Kelvin Cross Sections

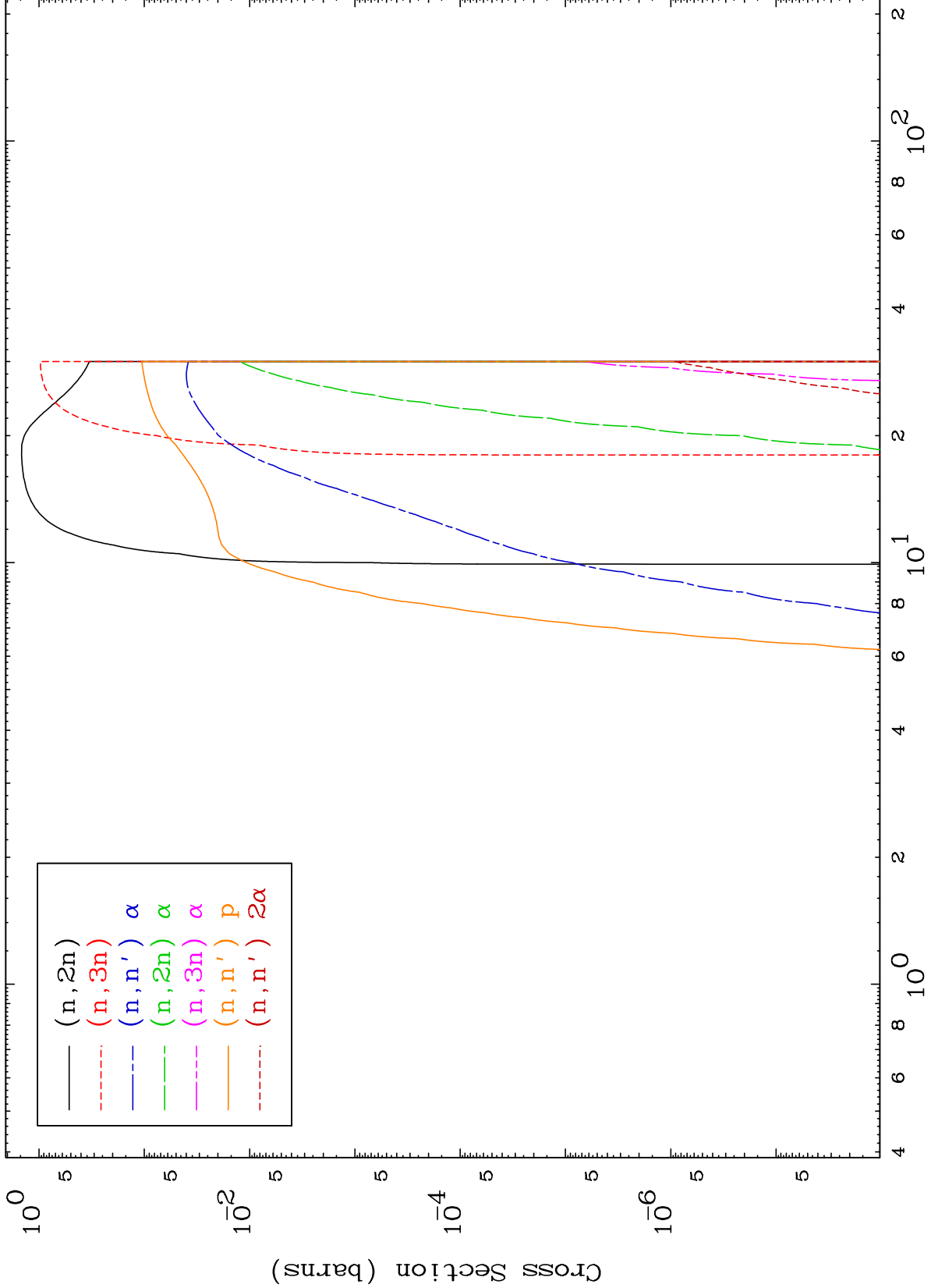
57-La-133



MAT 5710

Neutron Production  
293 Kelvin Cross Sections

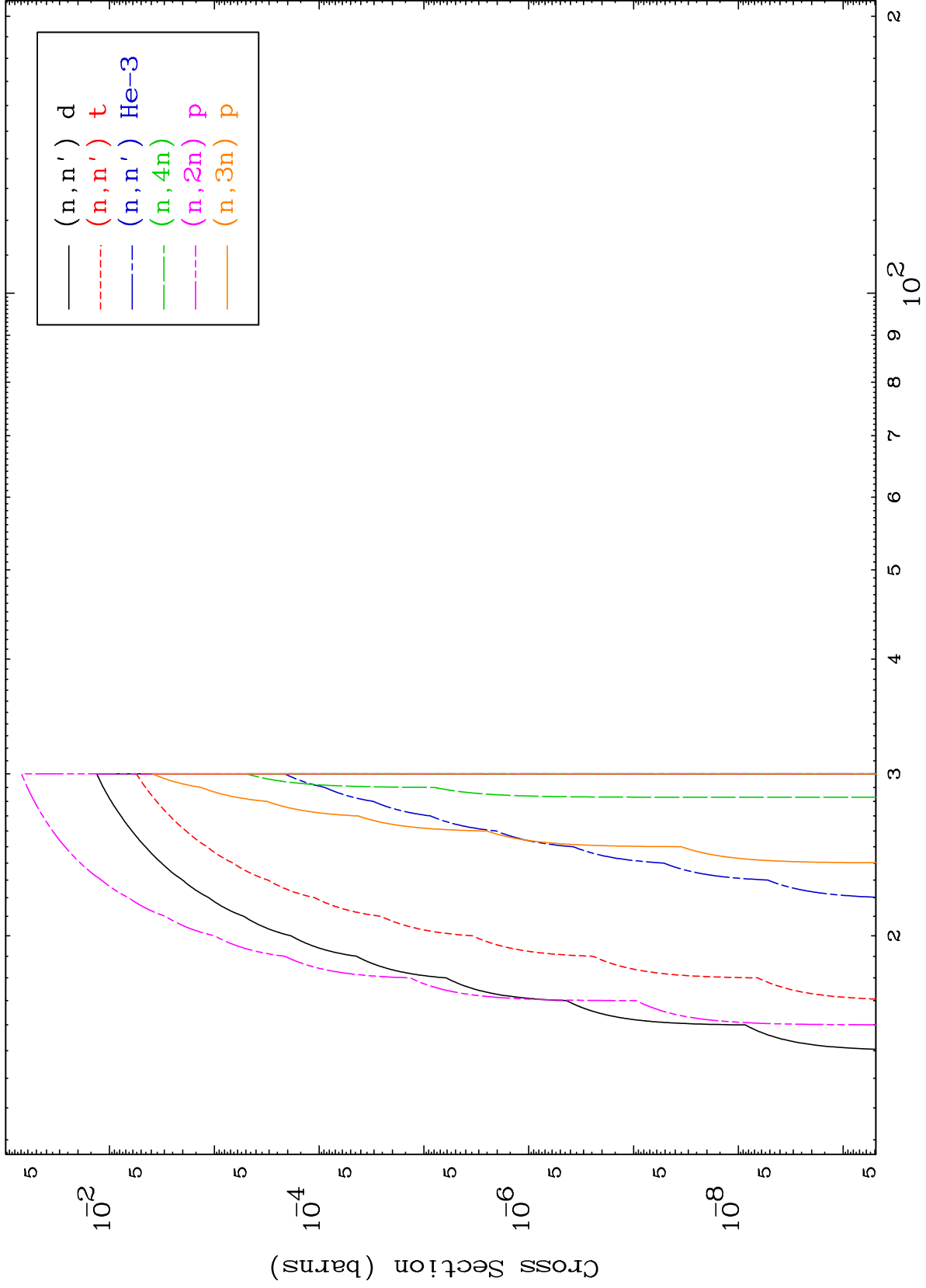
57-La-133



Incident Energy (MeV)

57-La-133

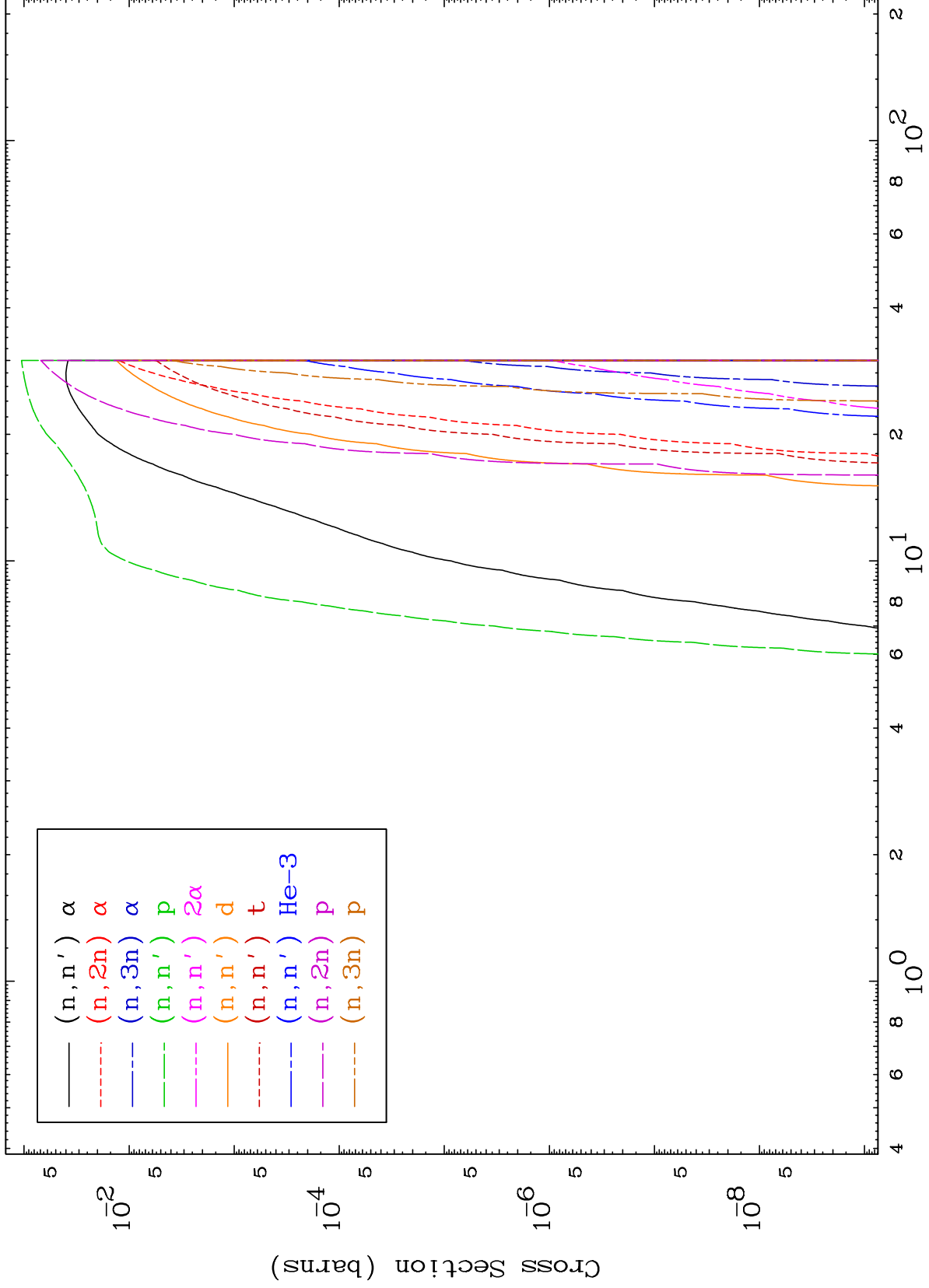
2



MAT 5710

Charged Particle  
293 Kelvin Cross Sections

57-La-133

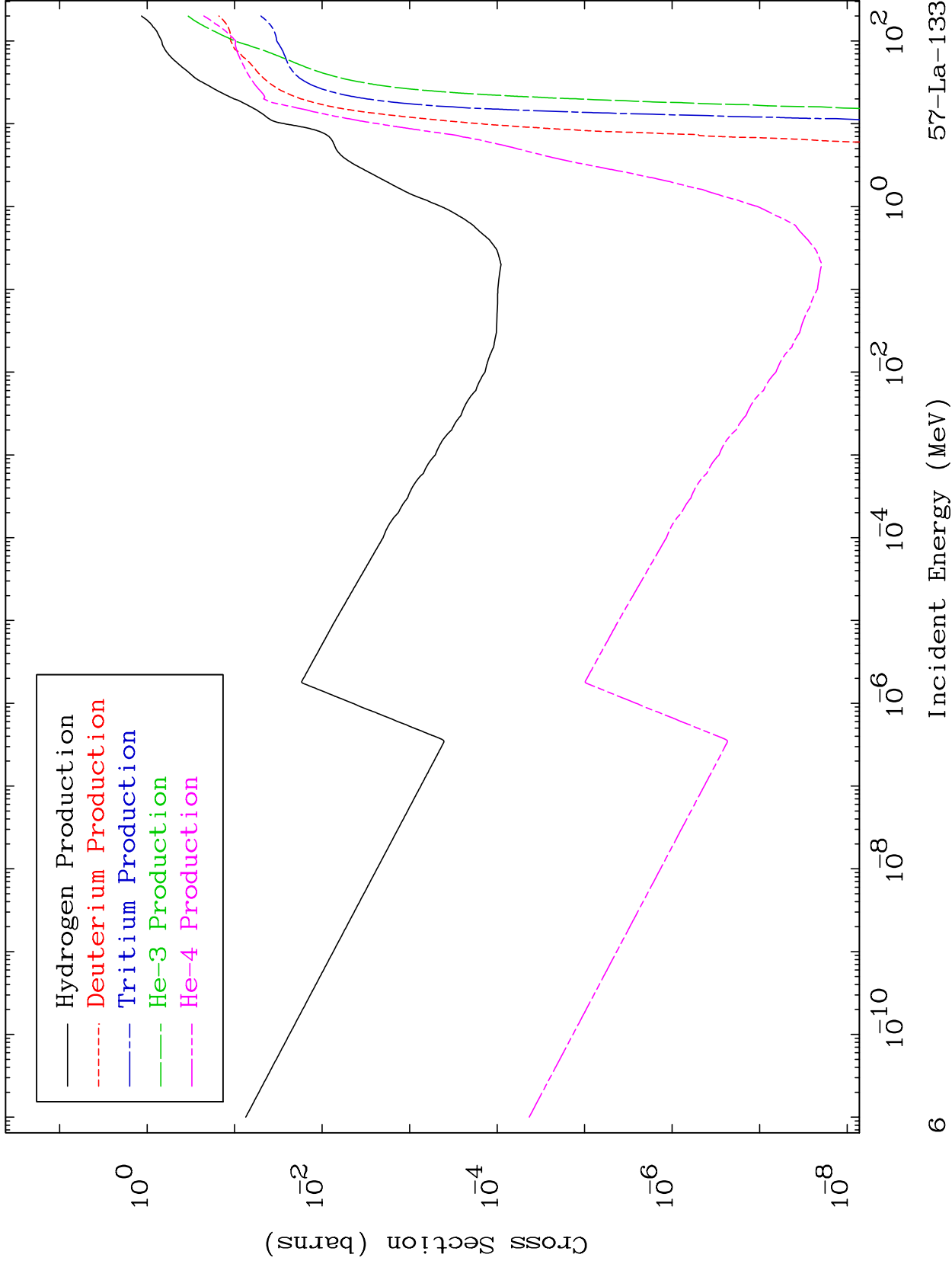




MAT 5710

Particle Production  
293 Kelvin Cross Sections

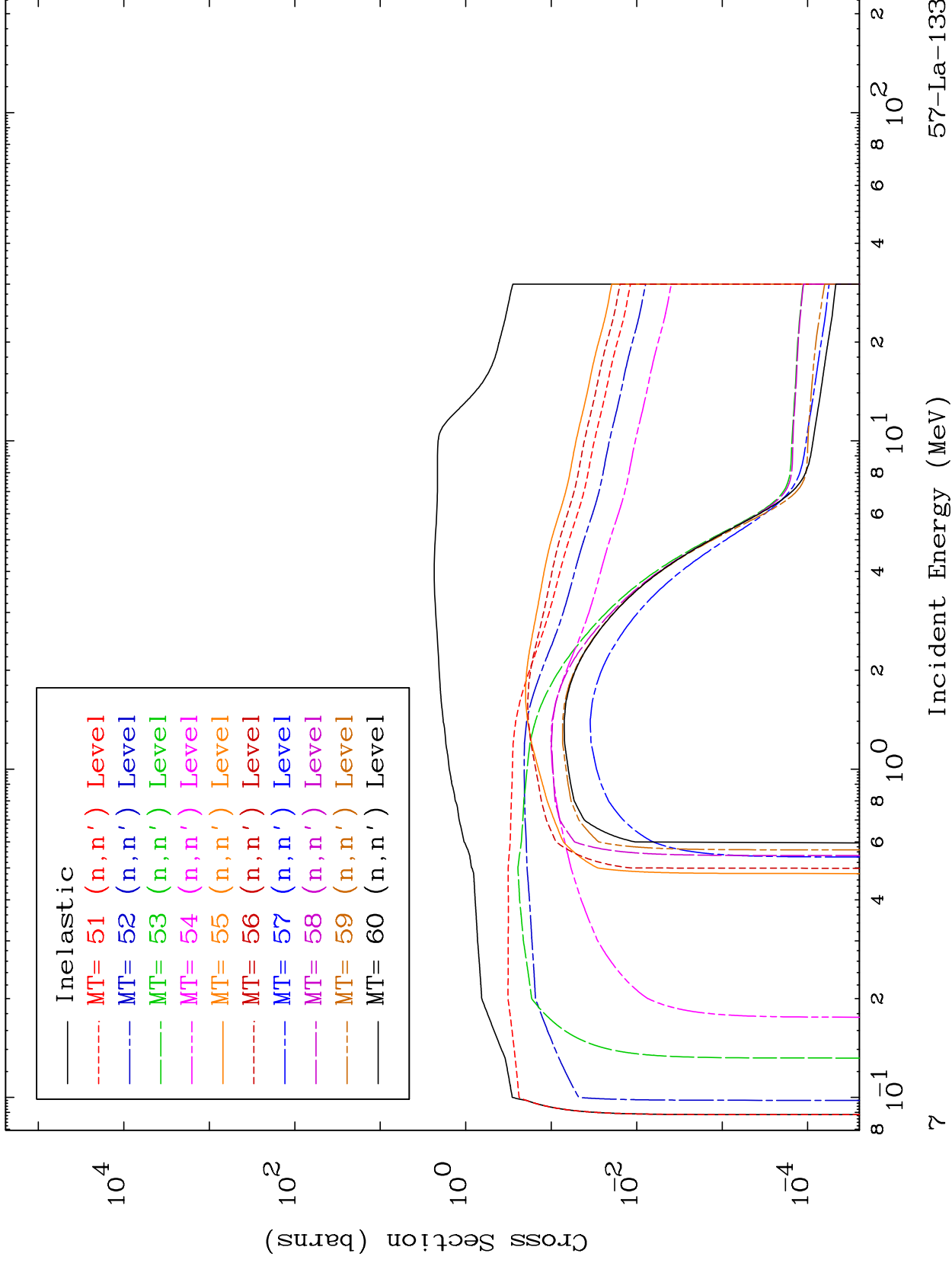
57-La-133



MAT 5710

(n,n') Level  
293 Kelvin Cross Sections

57-La-133



57-La-133

Incident Energy (MeV)

7

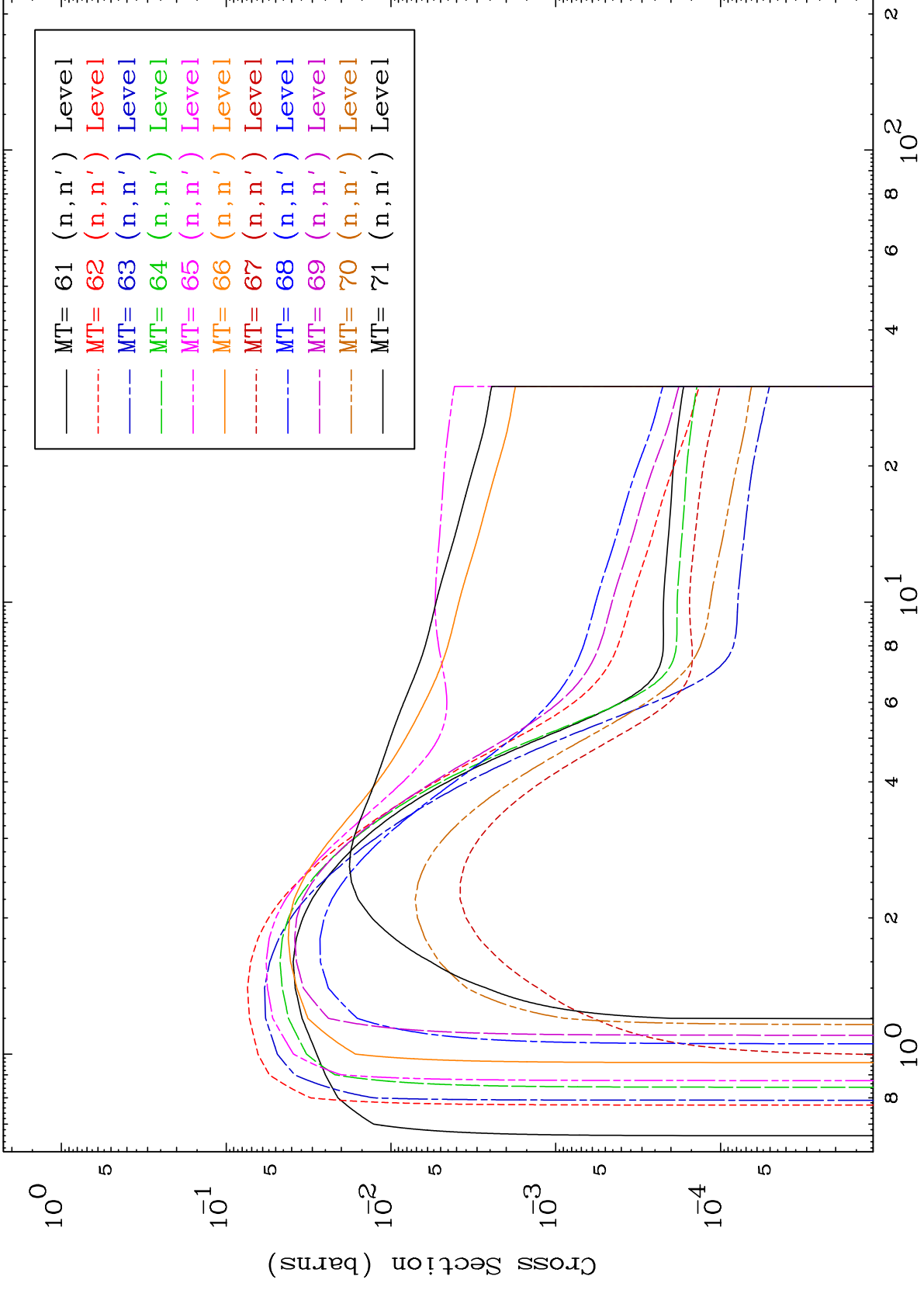


MAT 5710

(n,n') Level

293 Kelvin Cross Sections

57-La-133

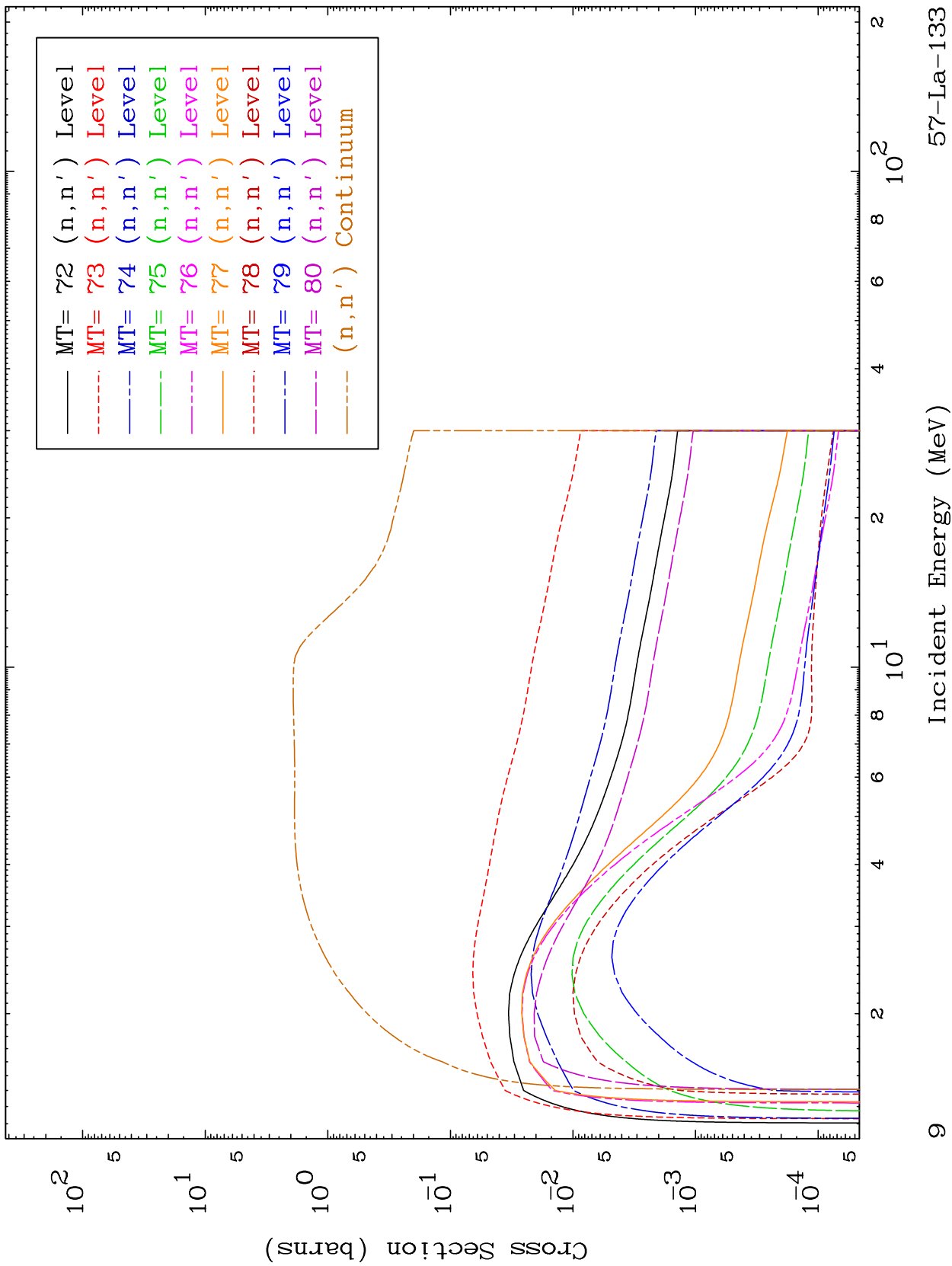


8

Incident Energy (MeV)

57-La-133

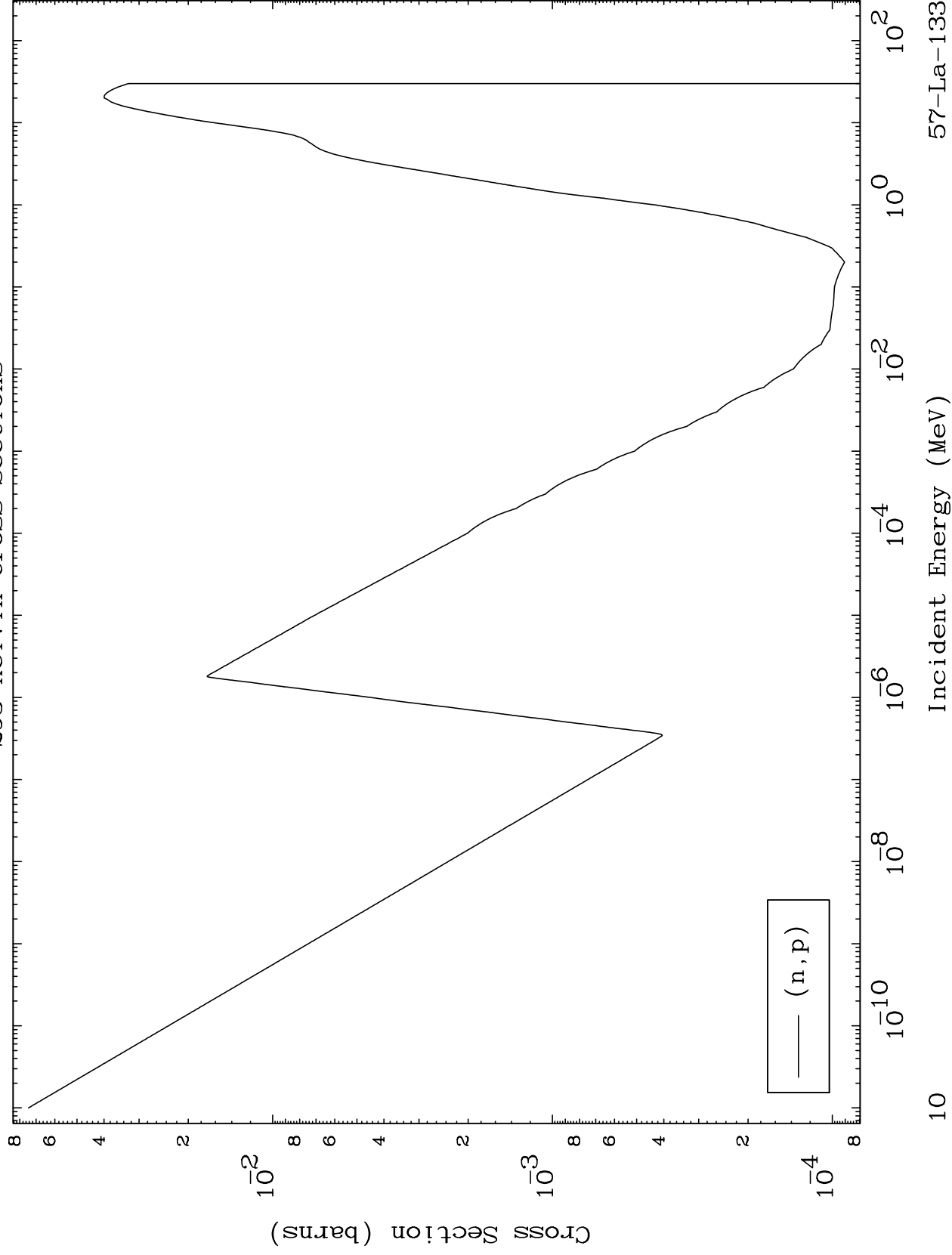
293 Kelvin Cross Sections



MAT 5710

(n,p) Levels  
293 Kelvin Cross Sections

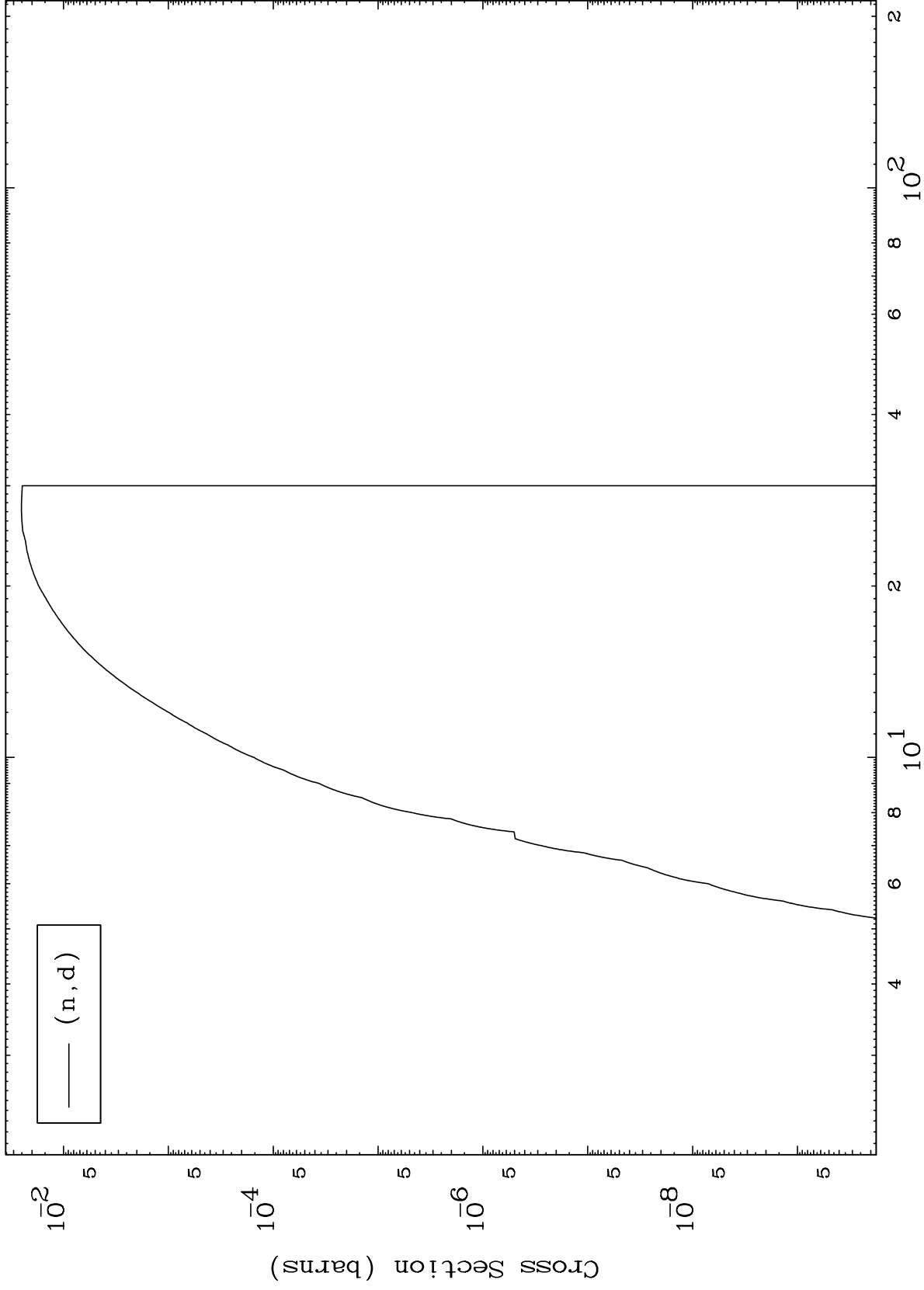
57-La-133



MAT 5710

(n,d) Levels  
293 Kelvin Cross Sections

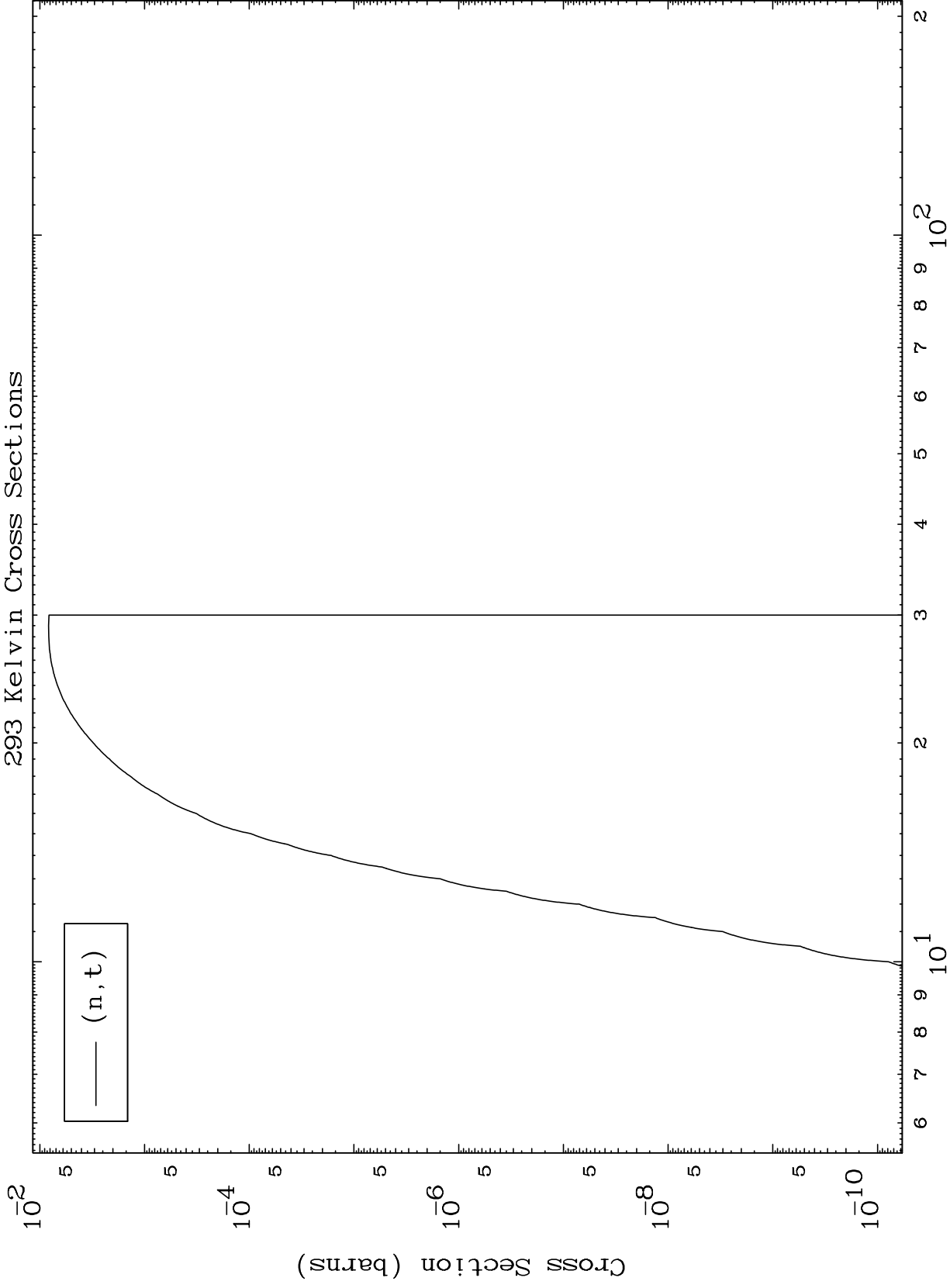
57-La-133



MAT 5710

(n,t) Levels  
293 Kelvin Cross Sections

57-La-133



12

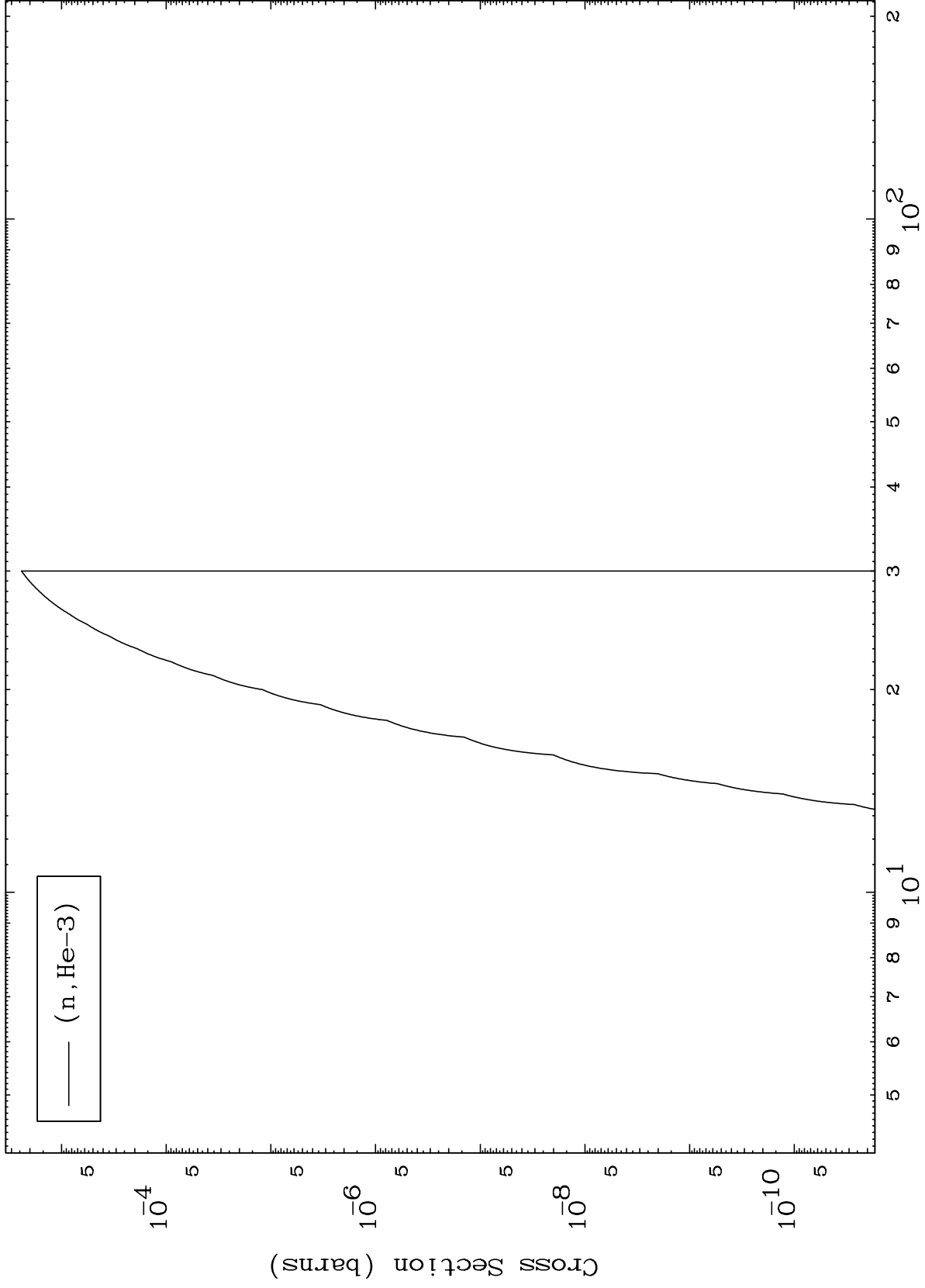
Incident Energy (MeV)

57-La-133

MAT 5710

(n,He3) Levels  
293 Kelvin Cross Sections

57-La-133



13

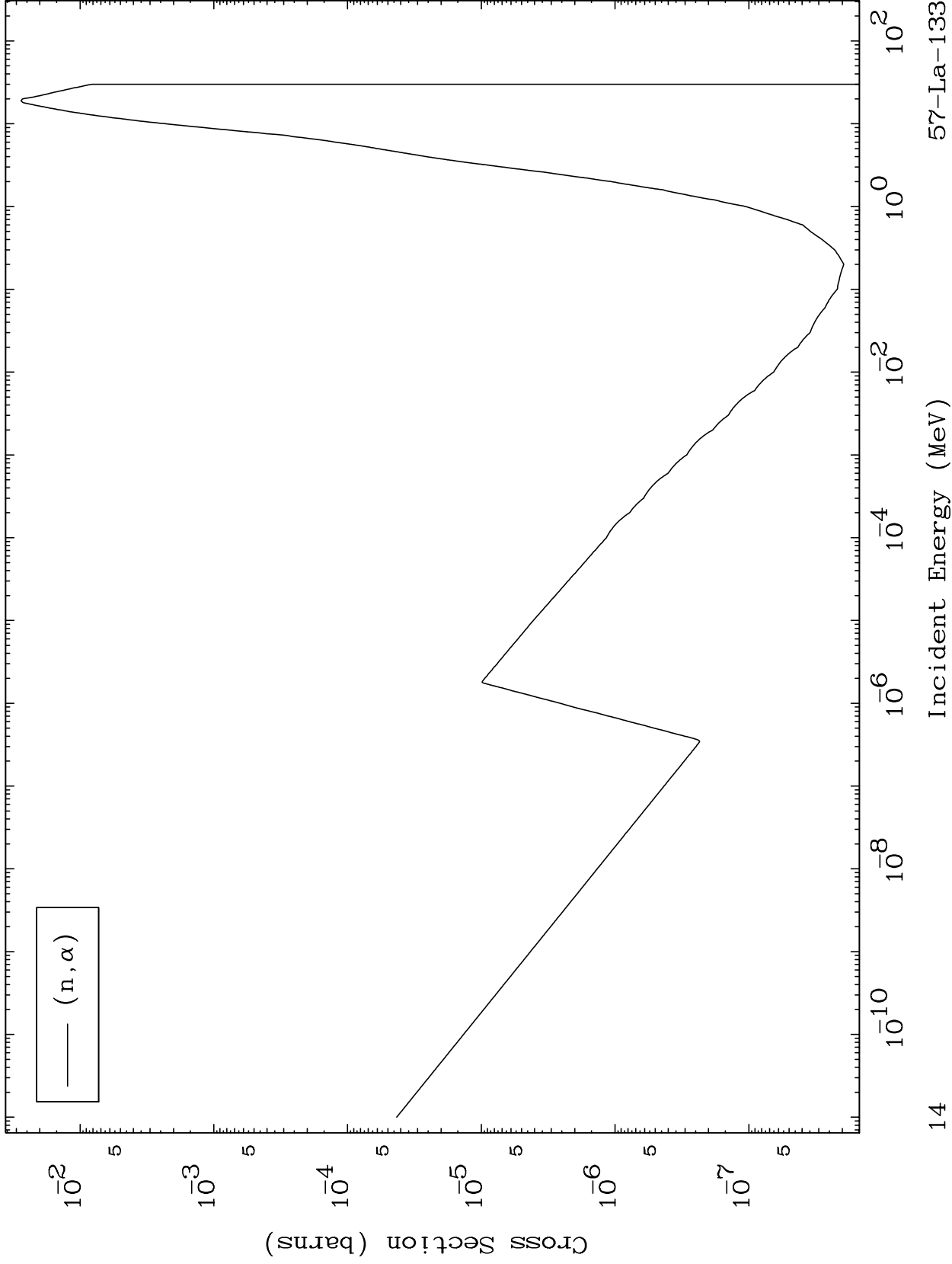
Incident Energy (MeV)

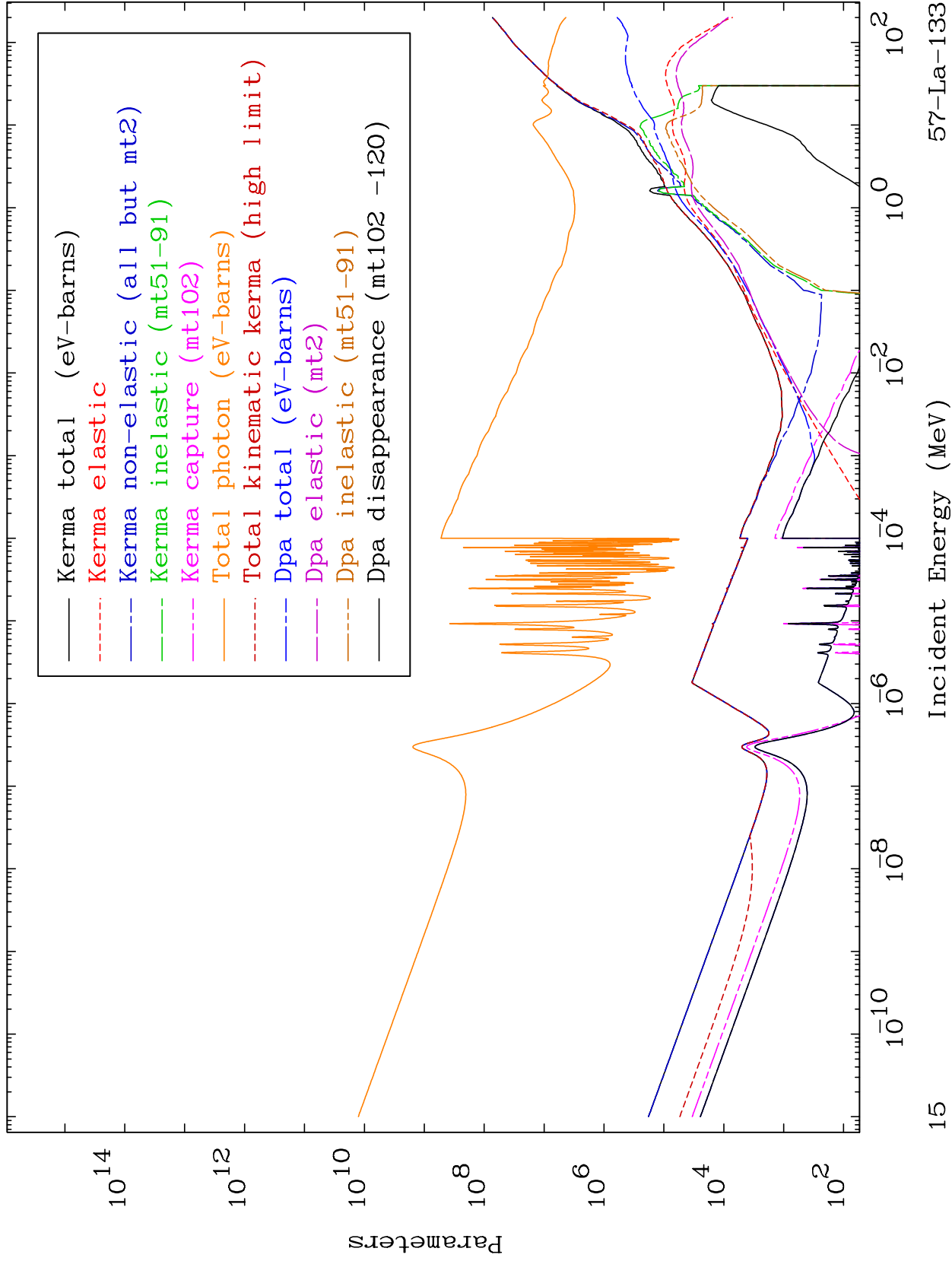
57-La-133

MAT 5710

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

57-La-133



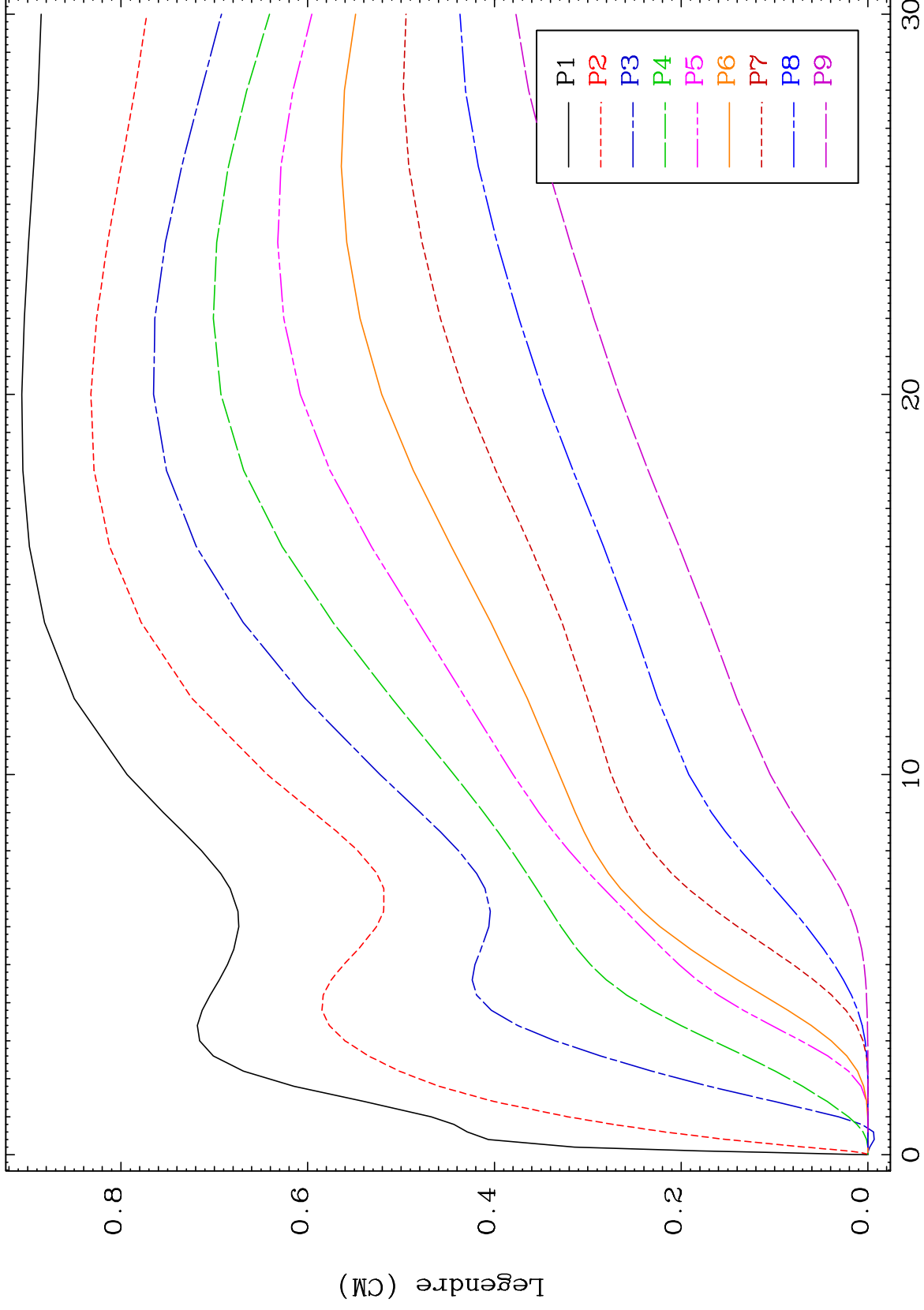




MAT 5710

Elastic Legendre Coefficients

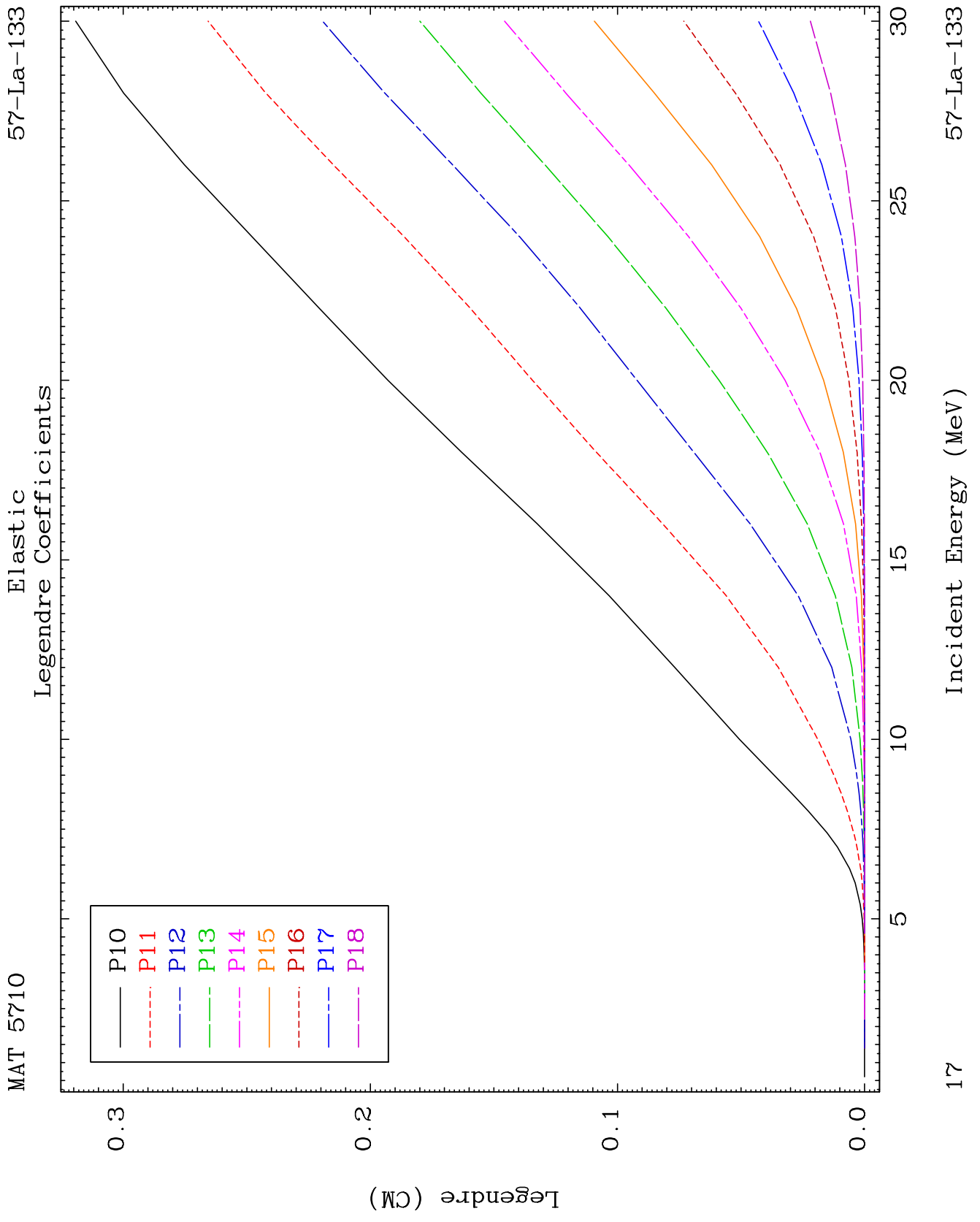
57-La-133



16

Incident Energy (MeV)

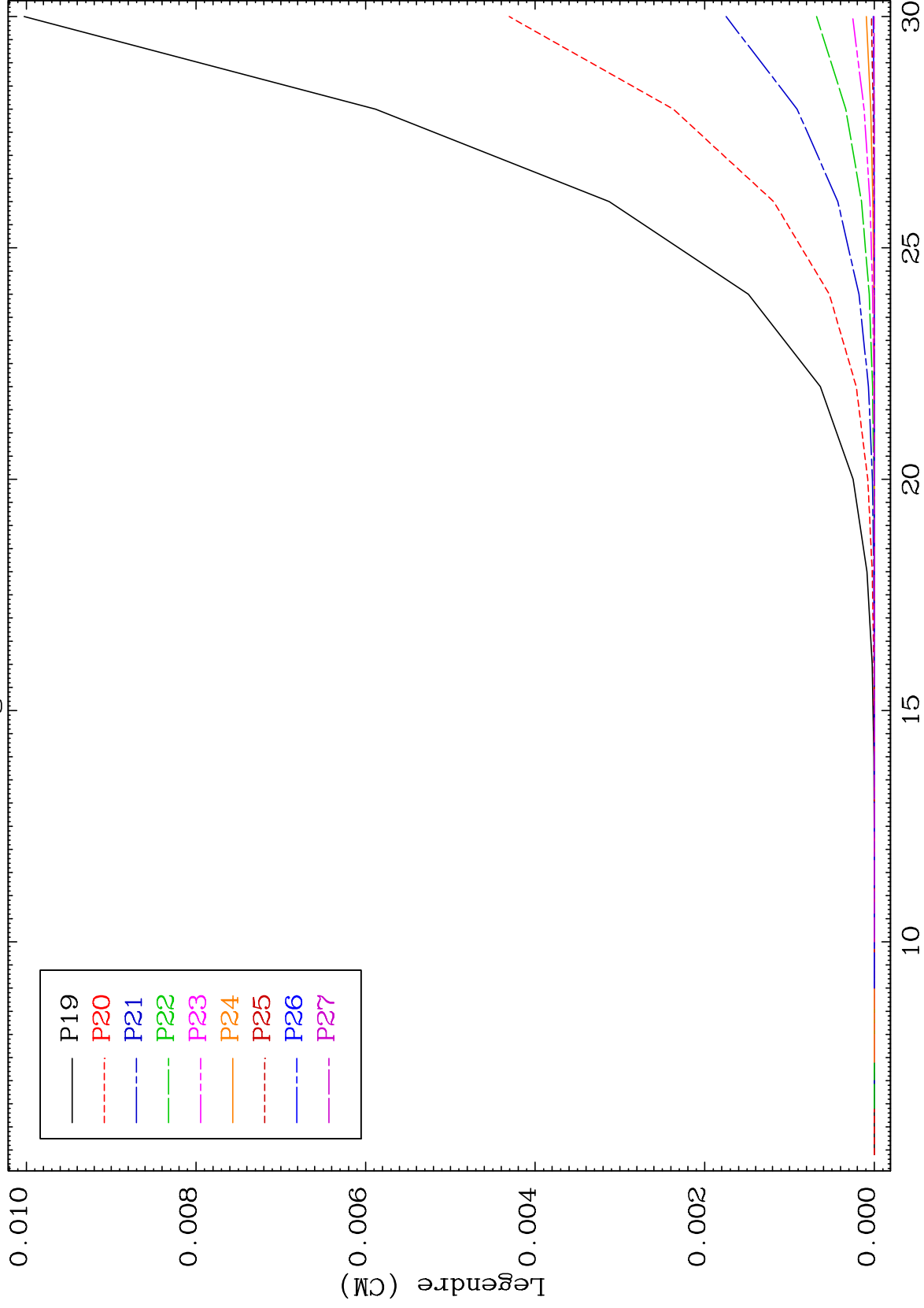
57-La-133



MAT 5710

Elastic  
Legendre Coefficients

57-La-133



18

Incident Energy (MeV)

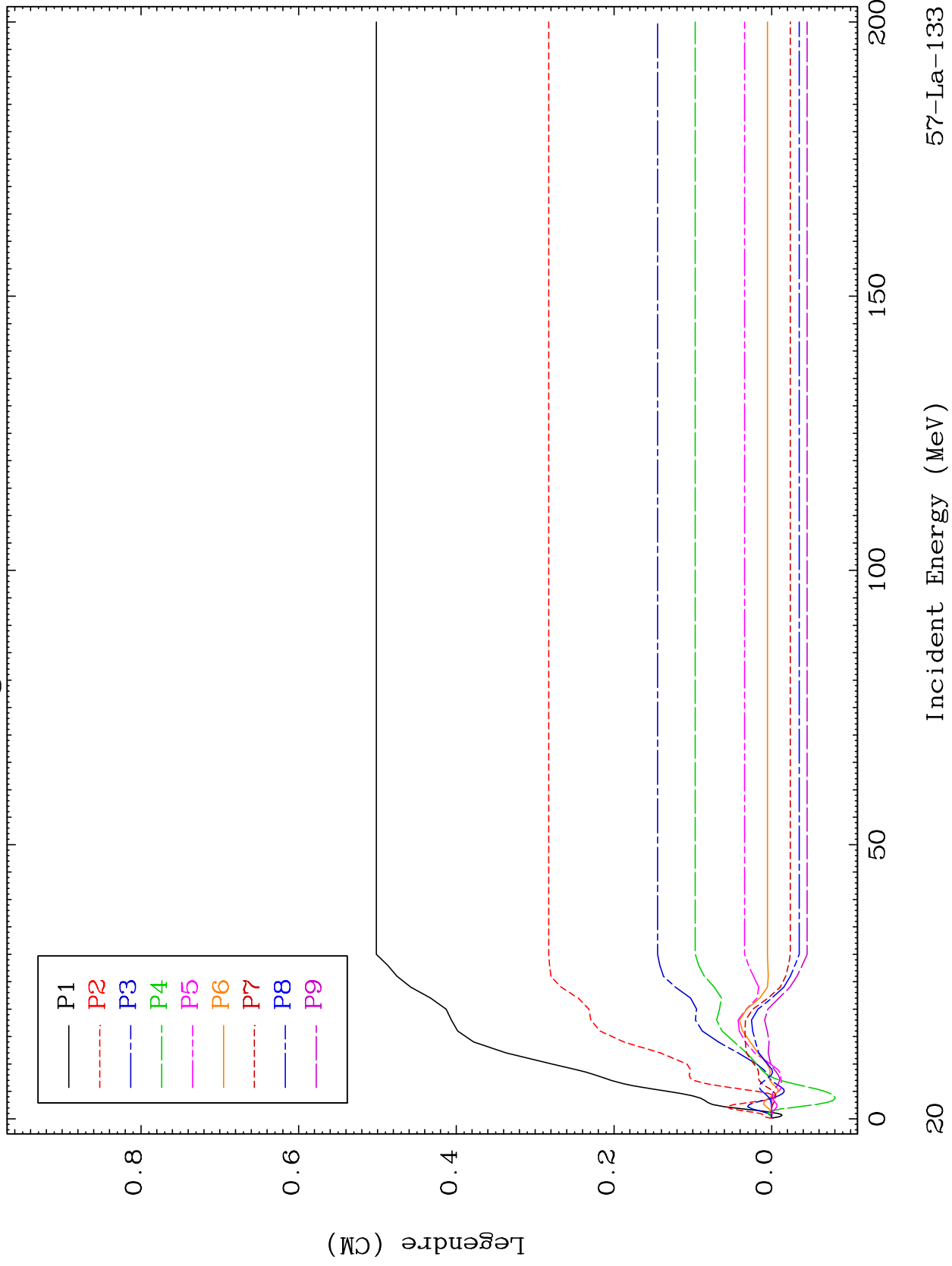
57-La-133



MAT 5710

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

57-La-133



57-La-133

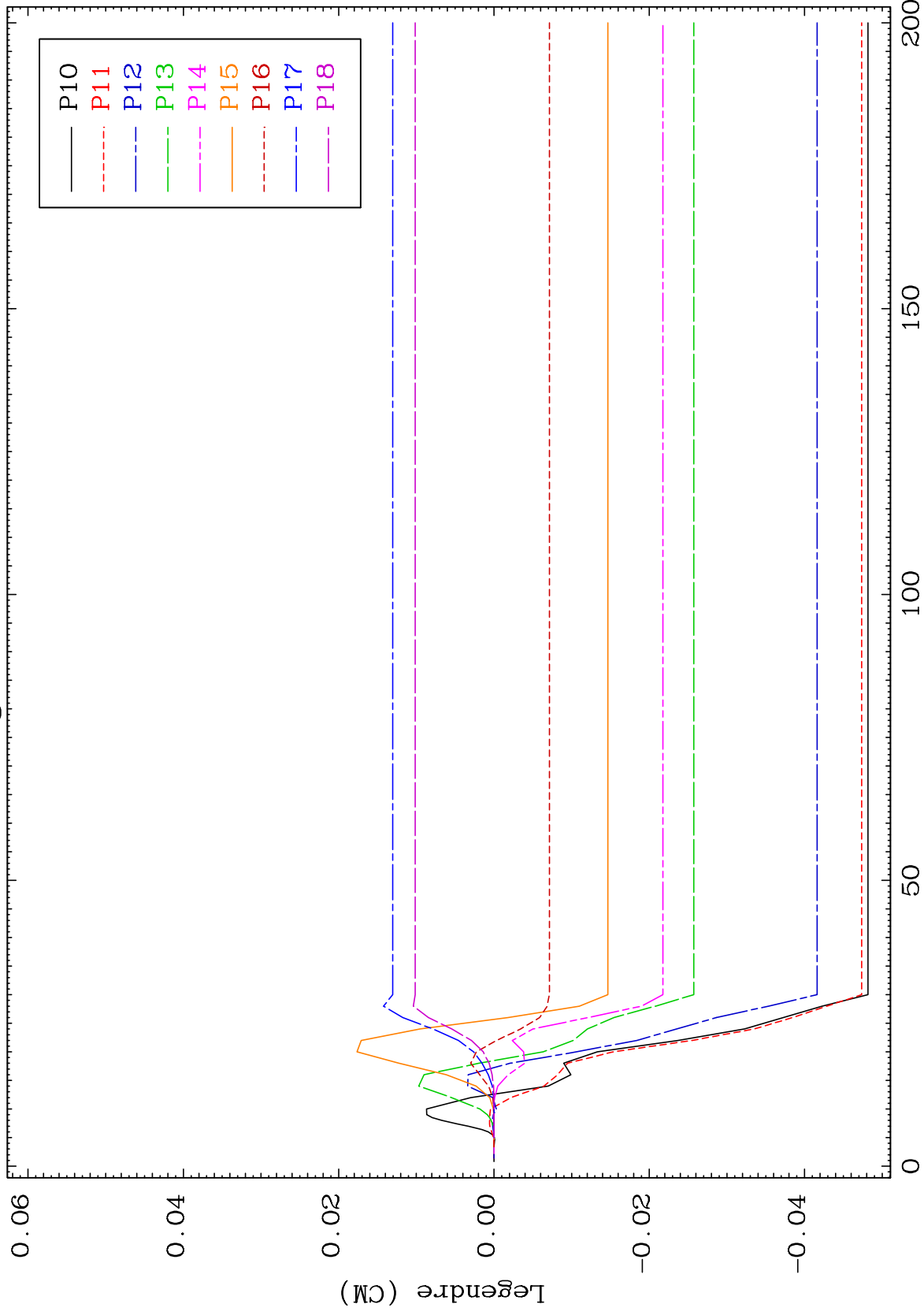
Incident Energy (MeV)

0

MAT 5710

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

57-La-133



21

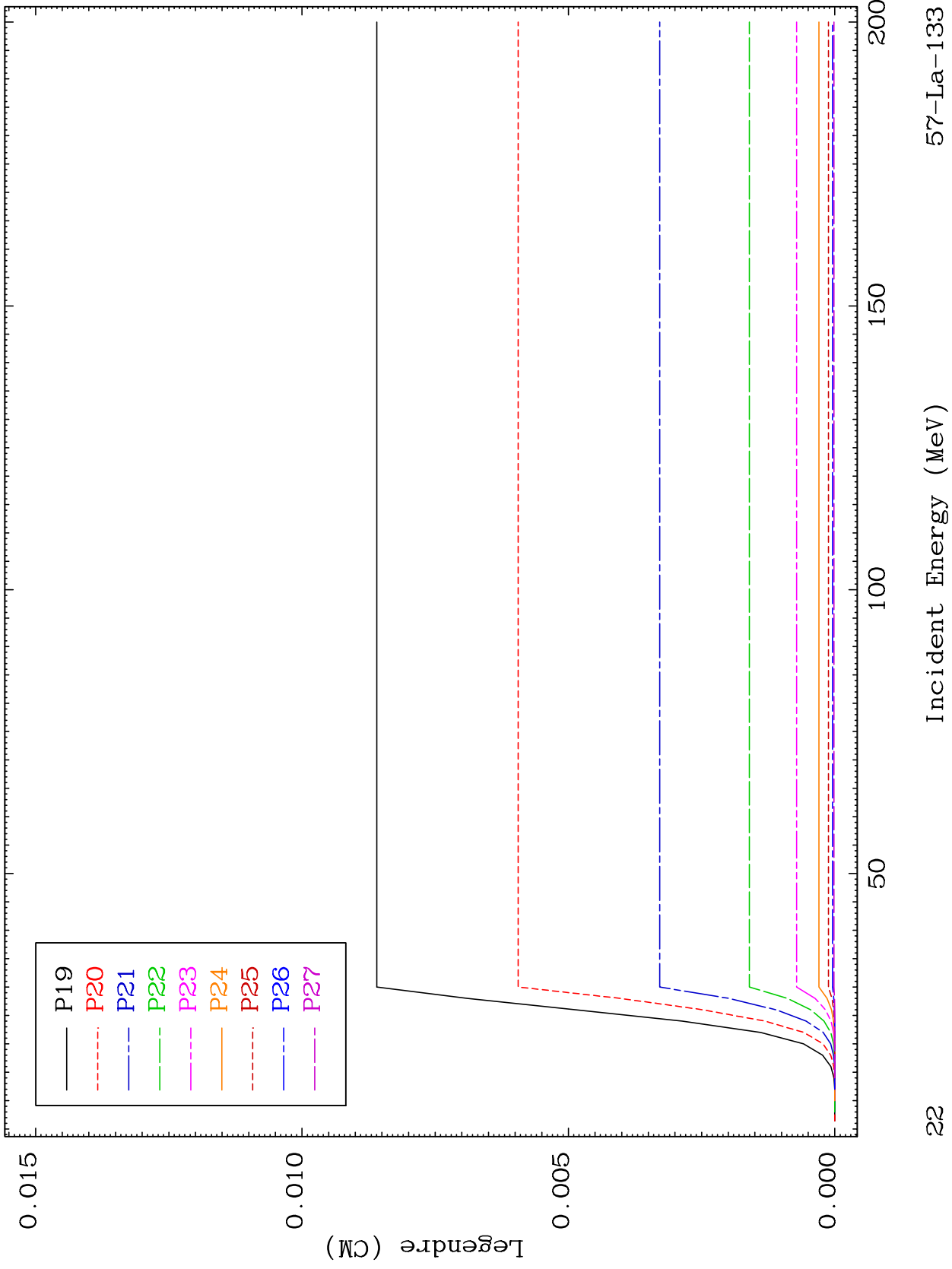
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



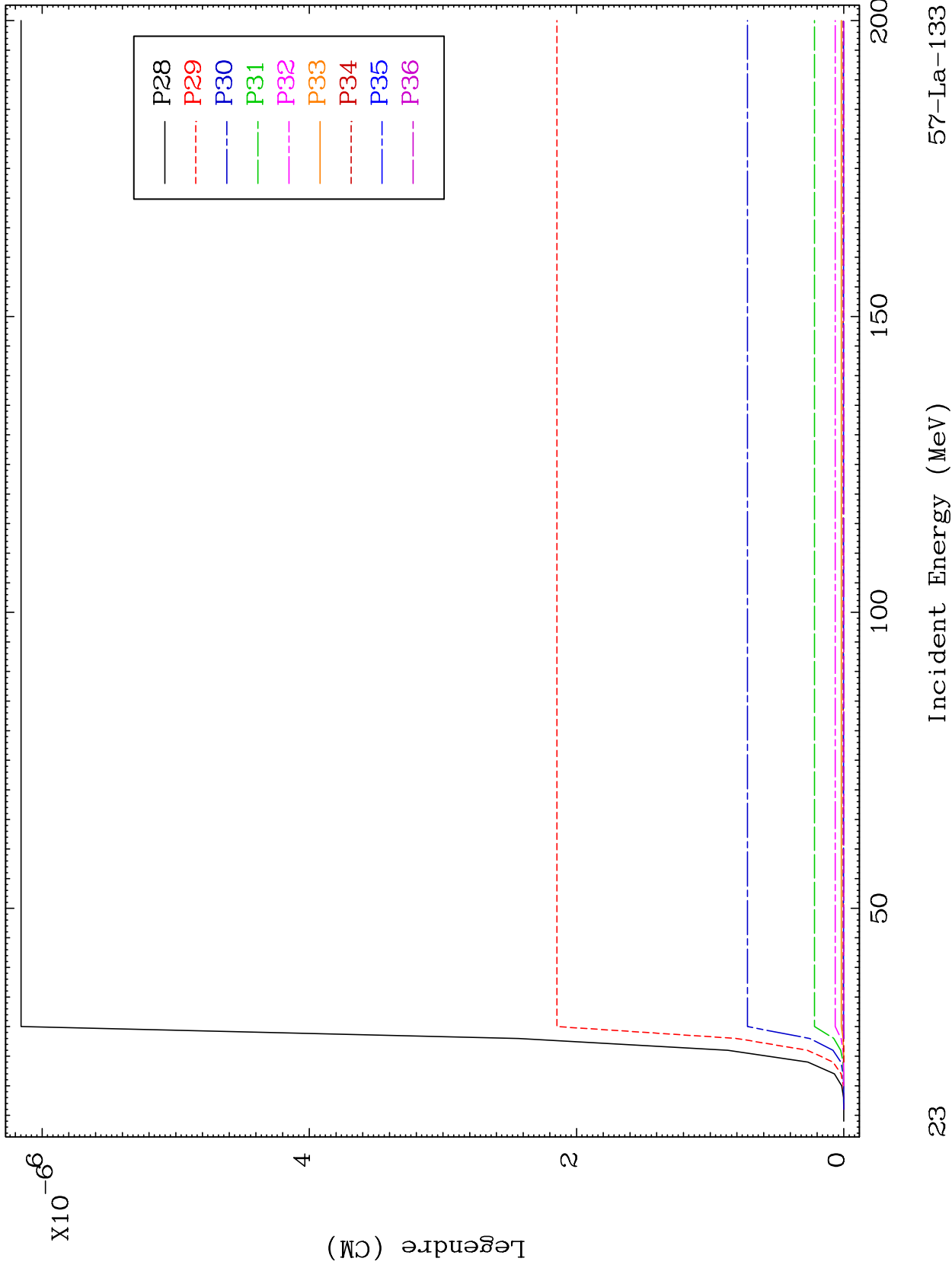
22

57-La-133

MAT 5710

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

57-La-133



23

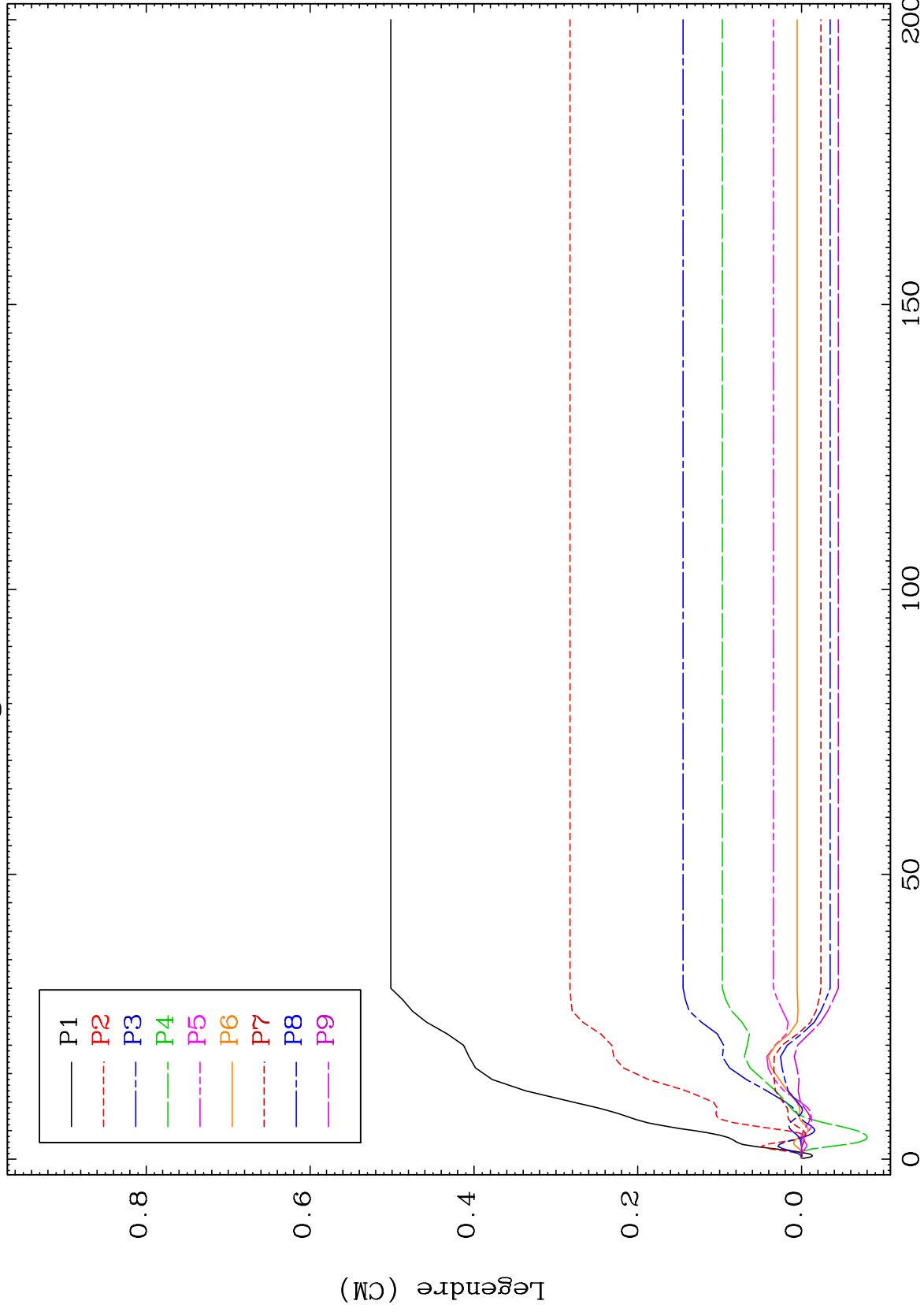
57-La-133



MAT 5710

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

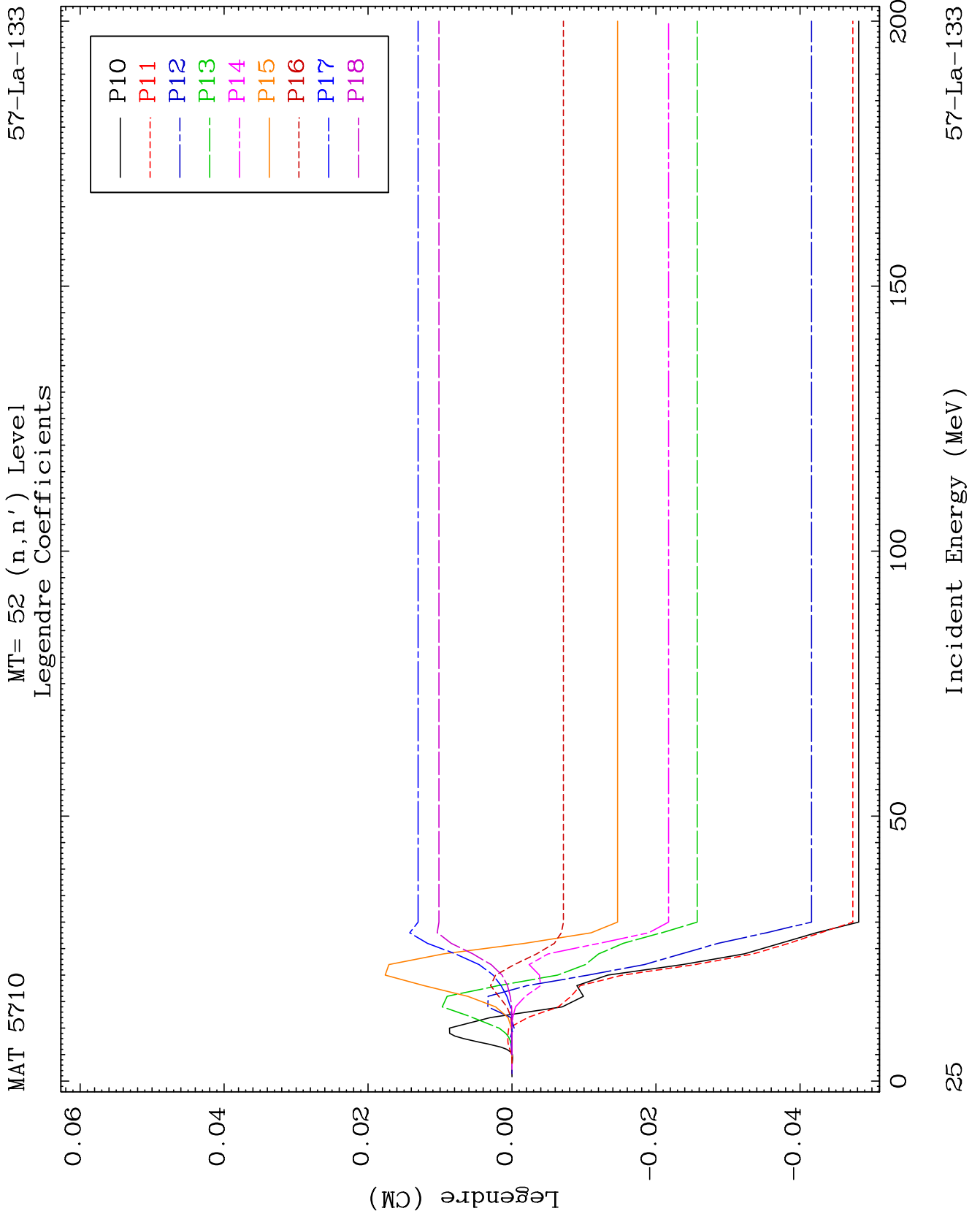
57-La-133



24

Incident Energy (MeV)

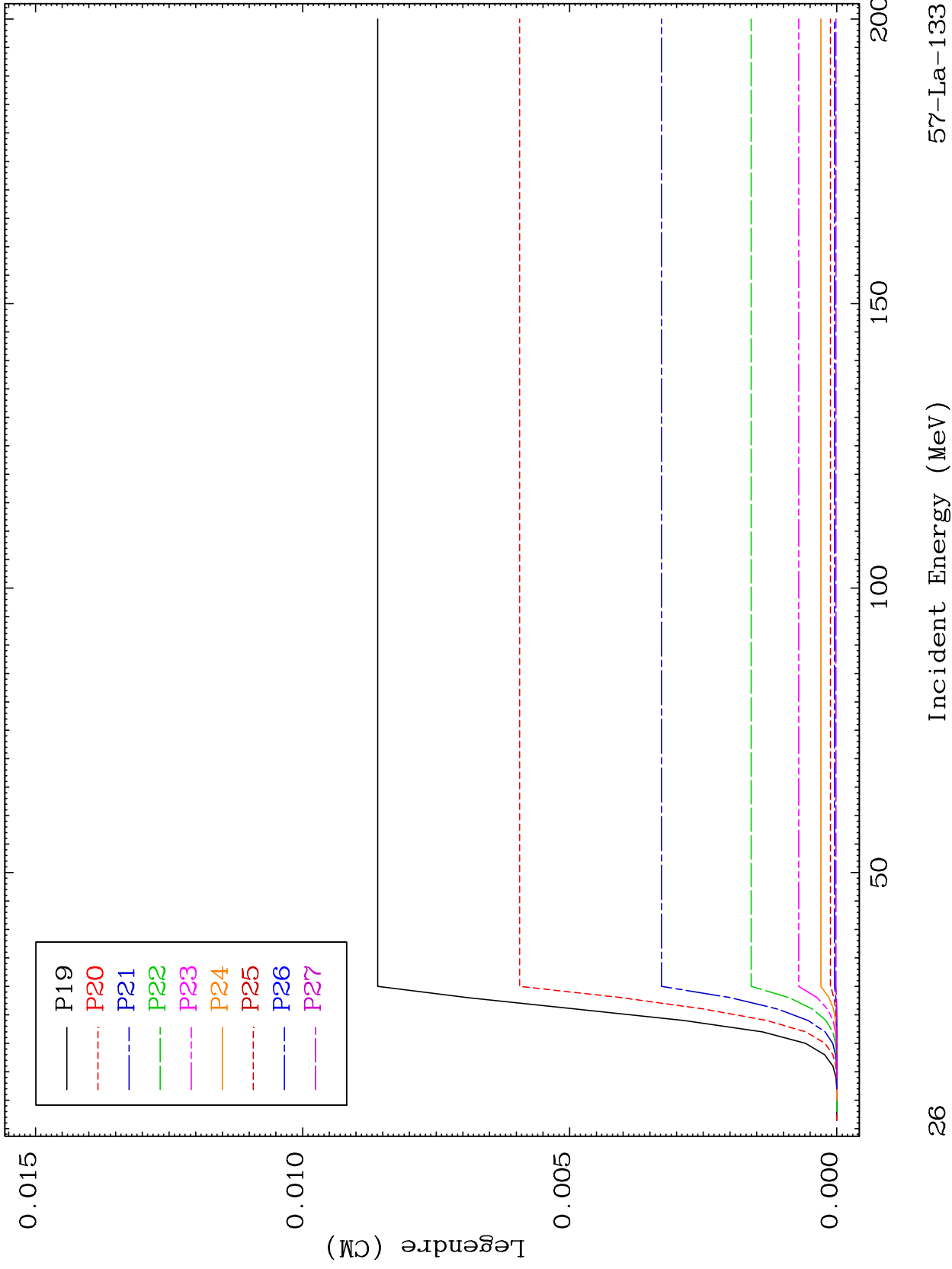
57-La-133



MAT 5710

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

57-La-133



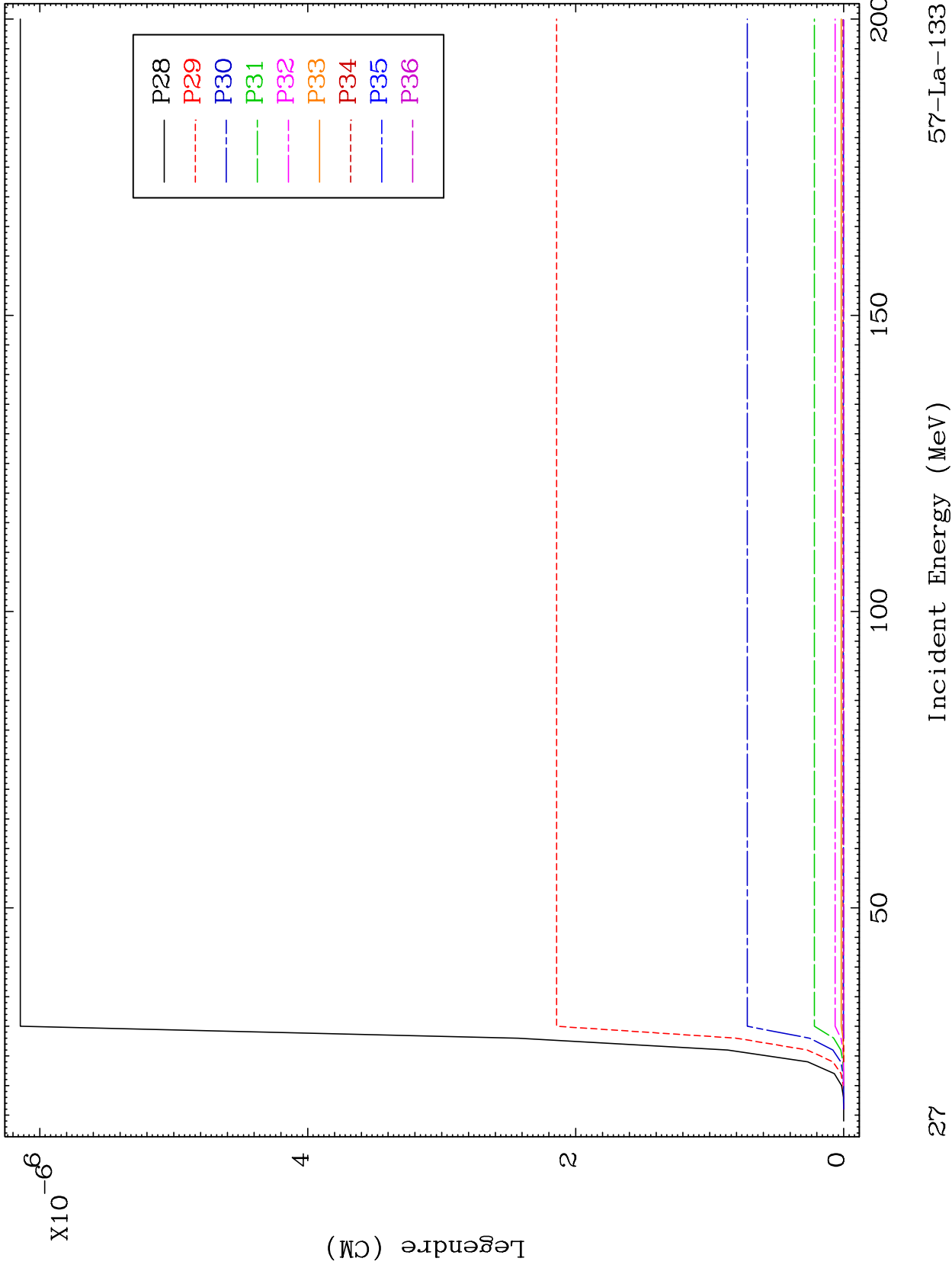
26

57-La-133

MAT 5710

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

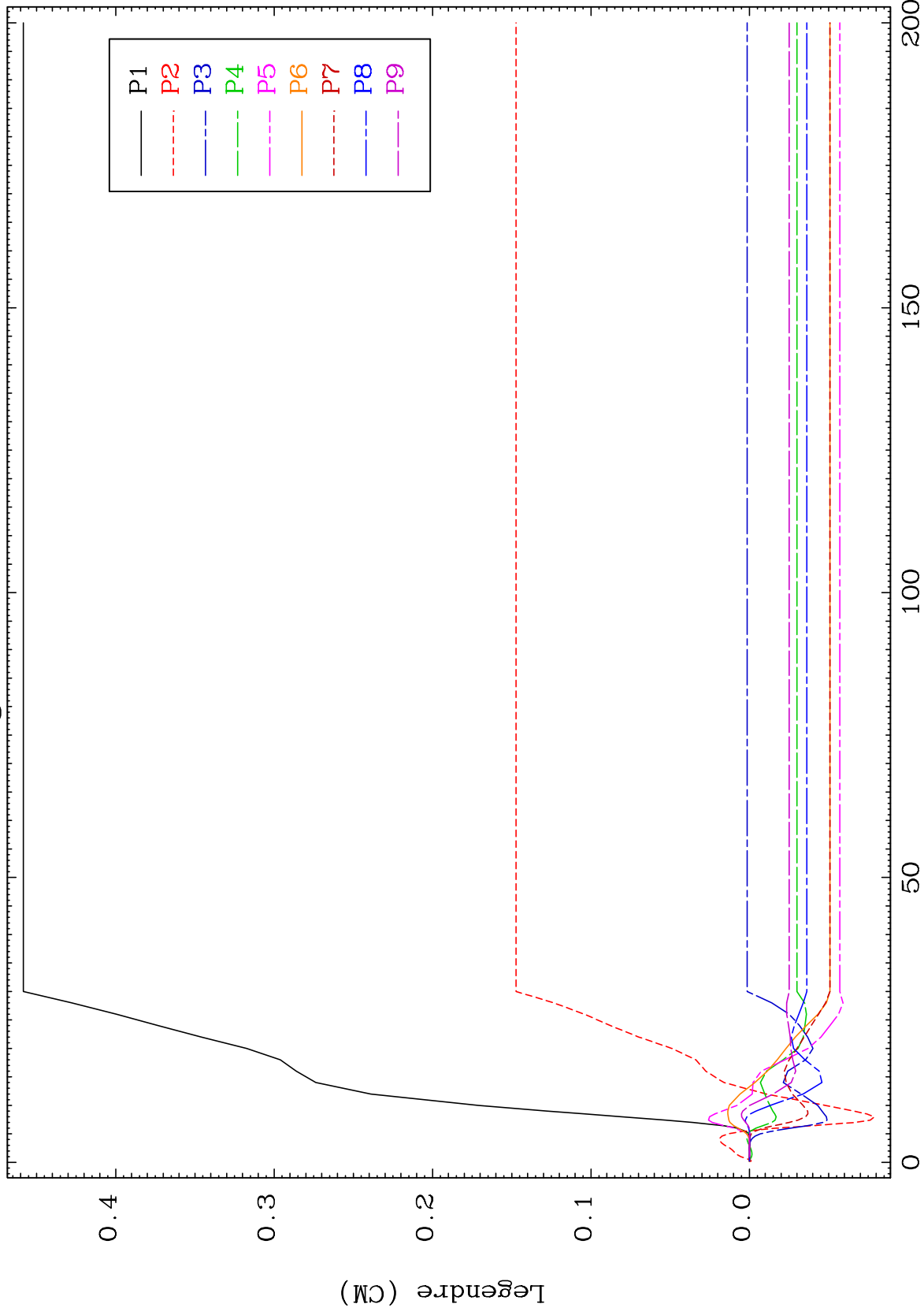
57-La-133



MAT 5710

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

57-La-133



28

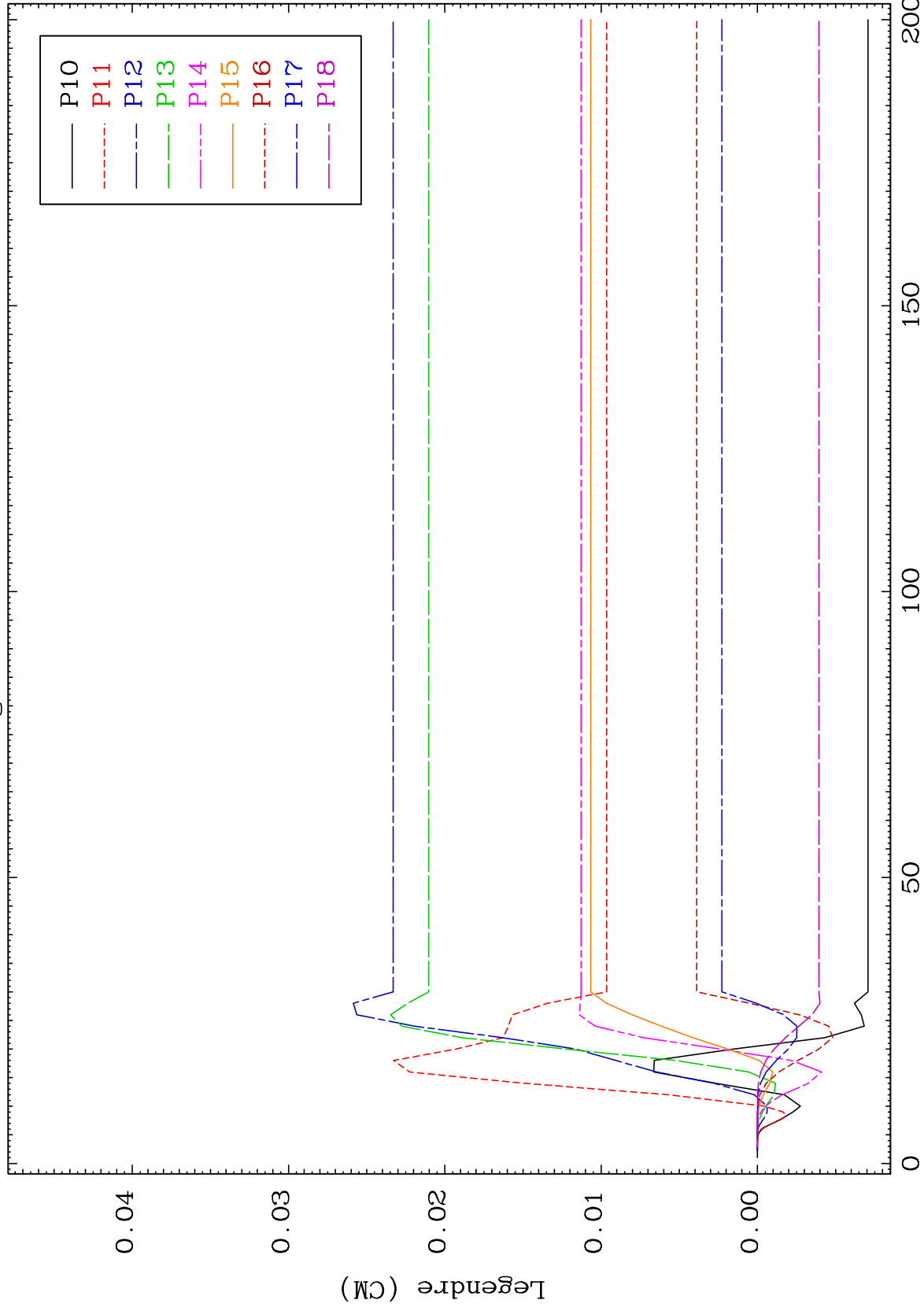
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



29

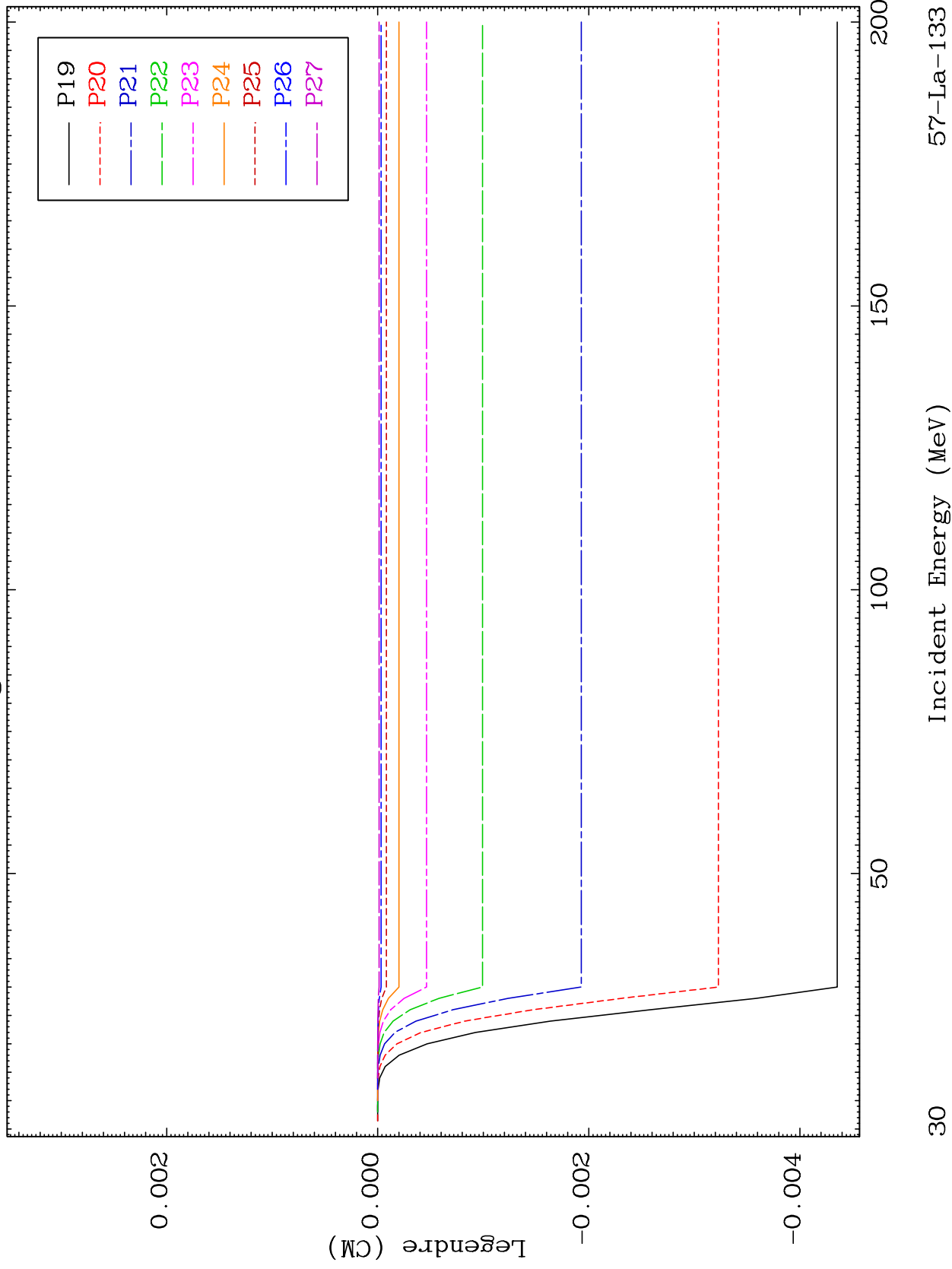
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



57-La-133

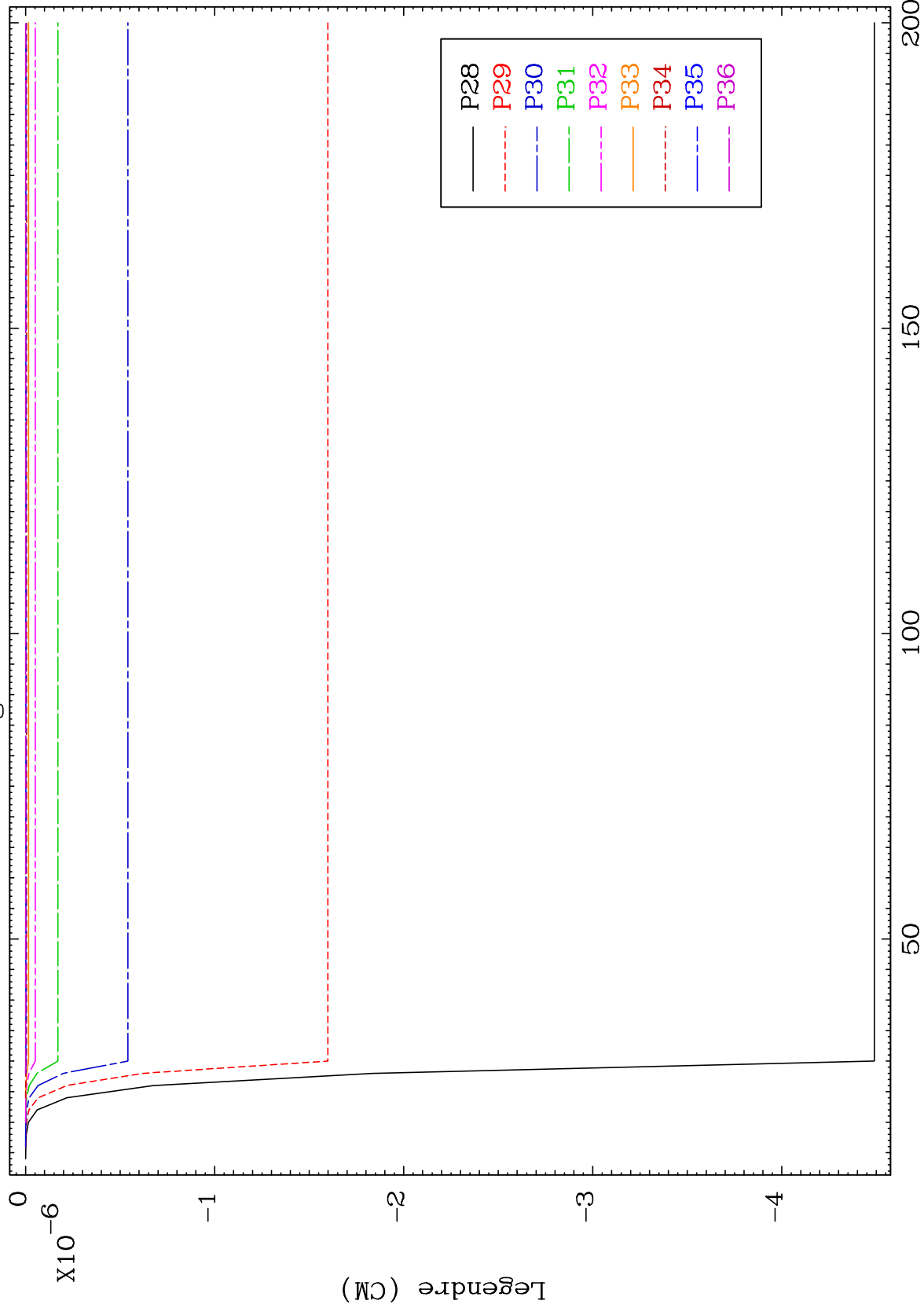
Incident Energy (MeV)

30

MAT 5710

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

57-La-133



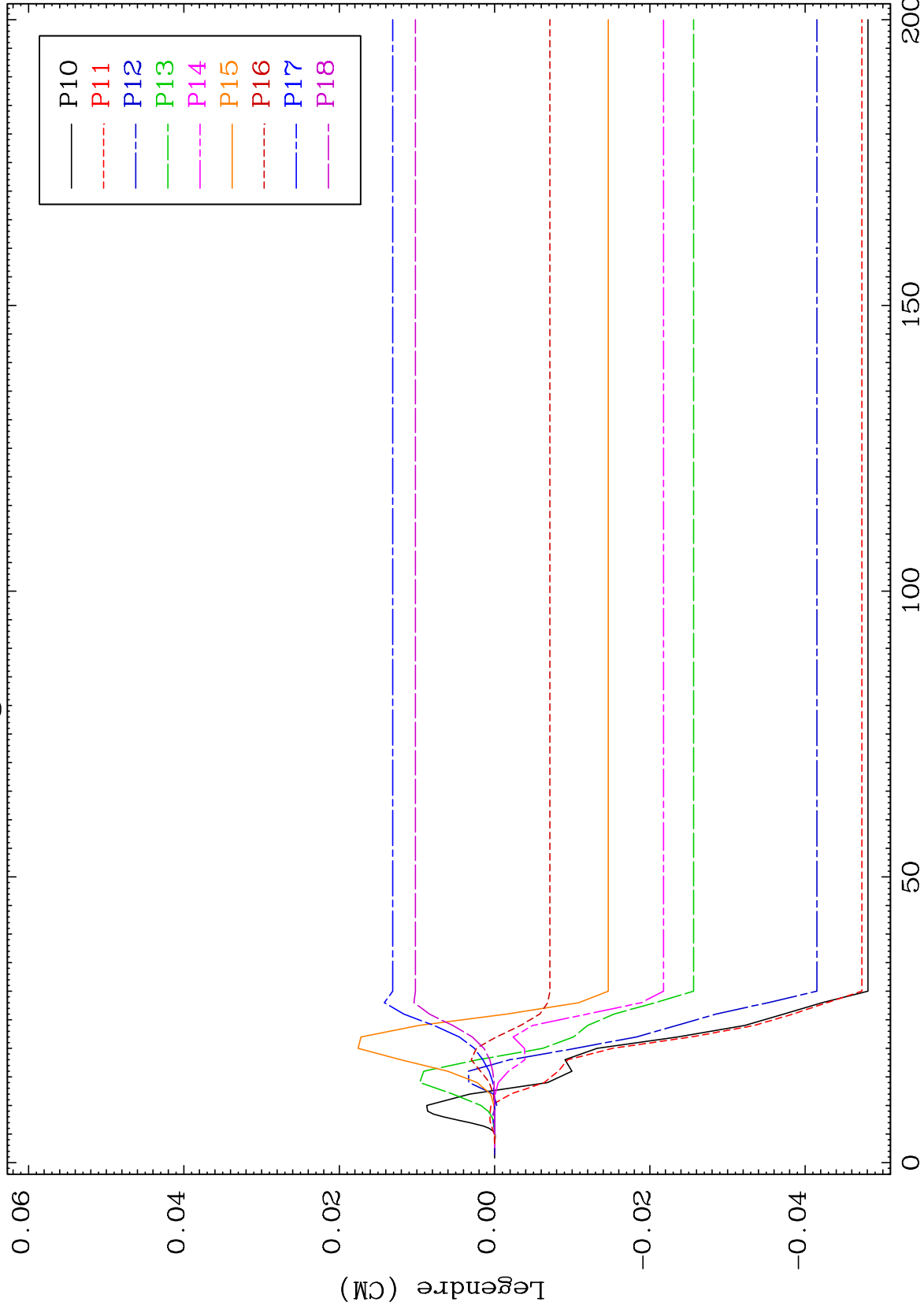




MAT 5710

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

57-La-133



33

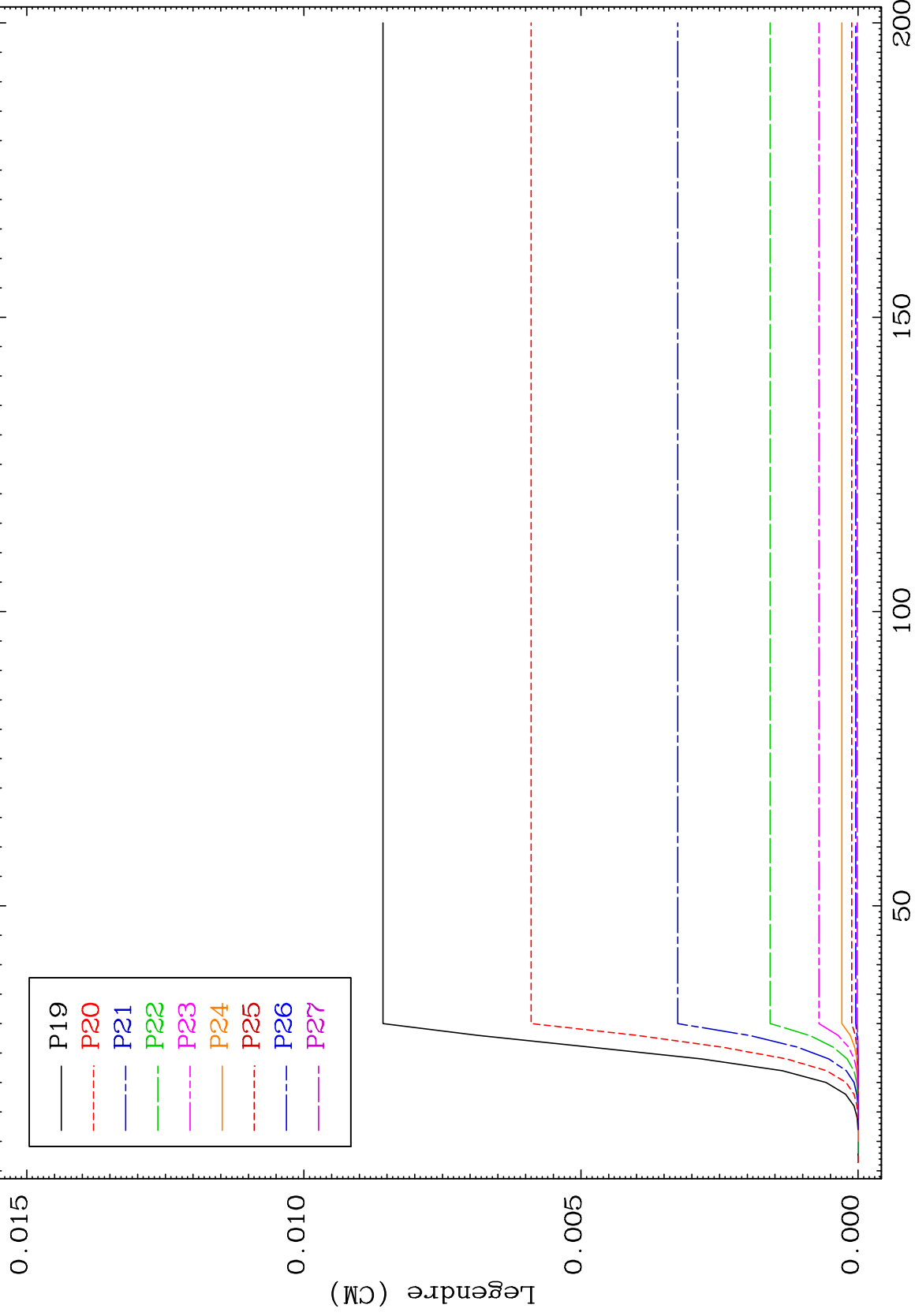
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



34

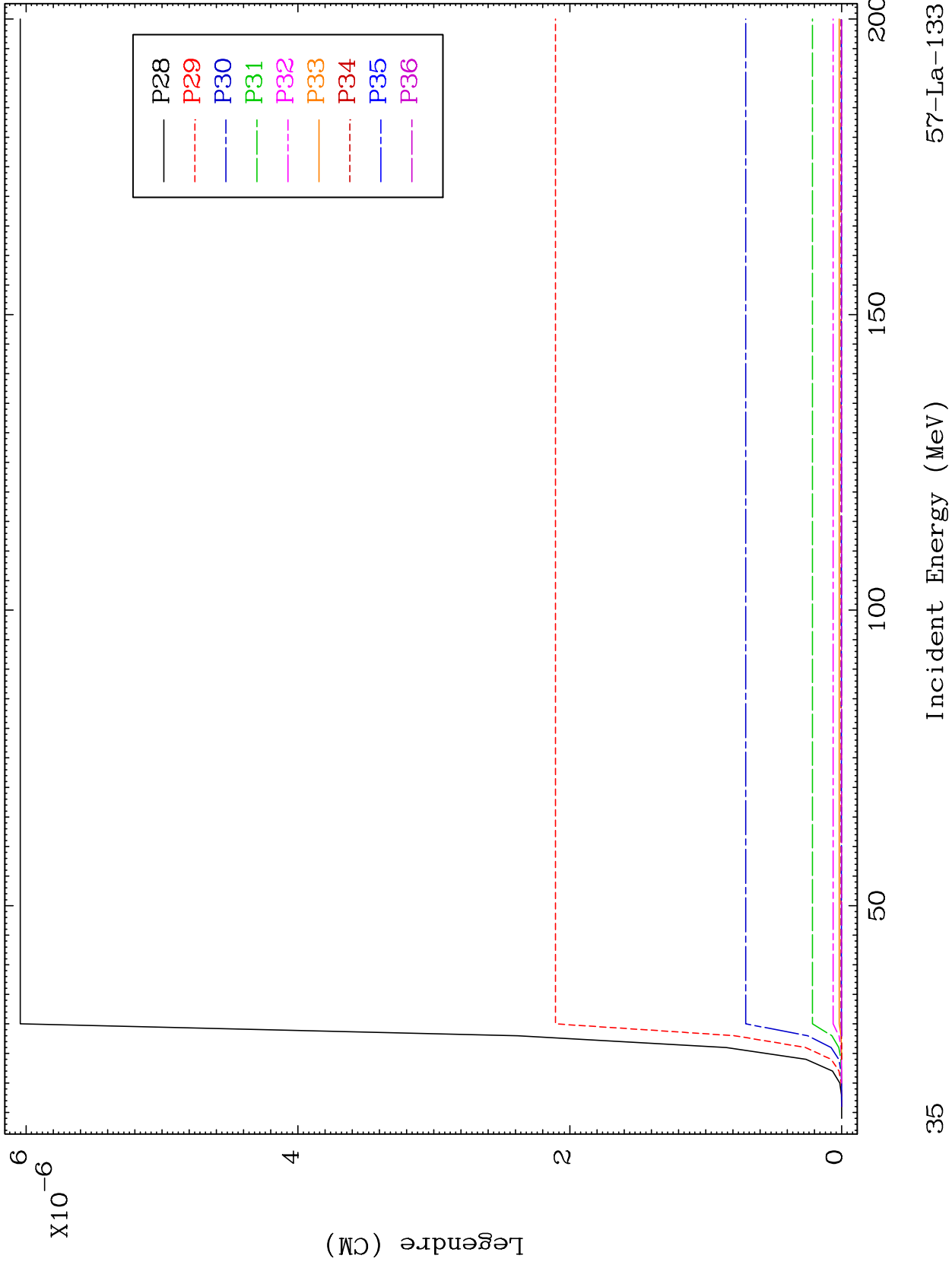
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



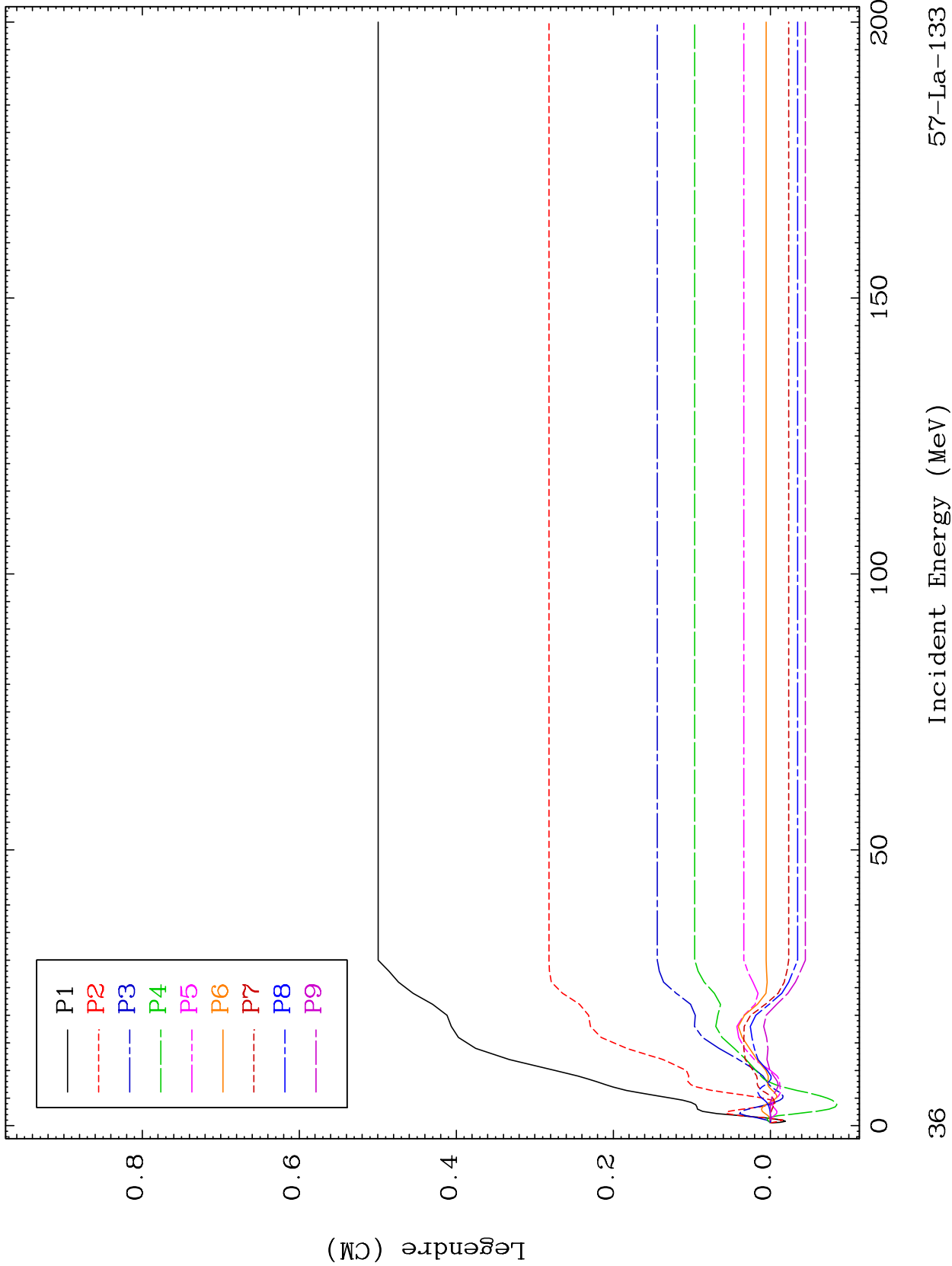
35

57-La-133

MAT 5710

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

57-La-133



36

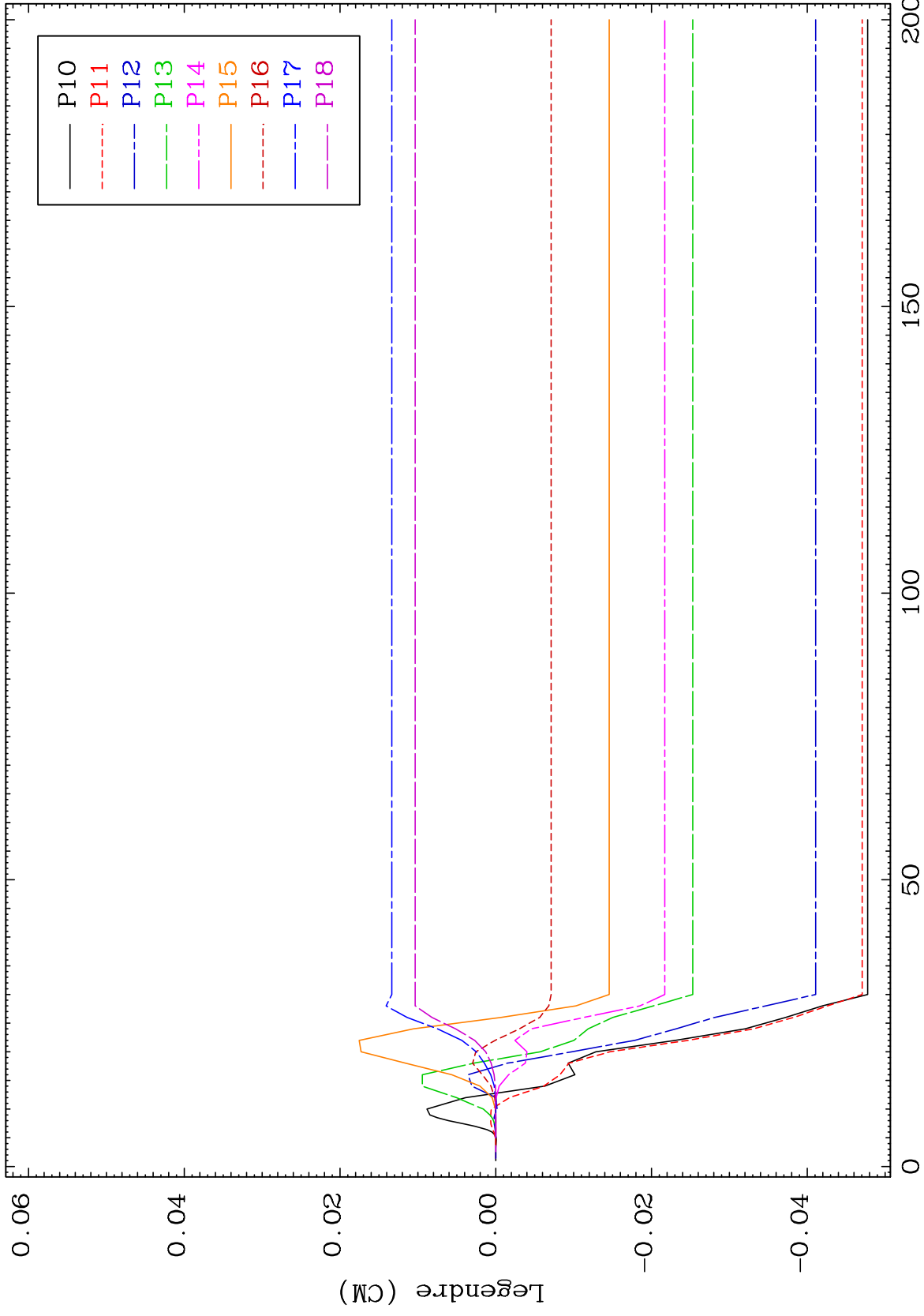
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



37

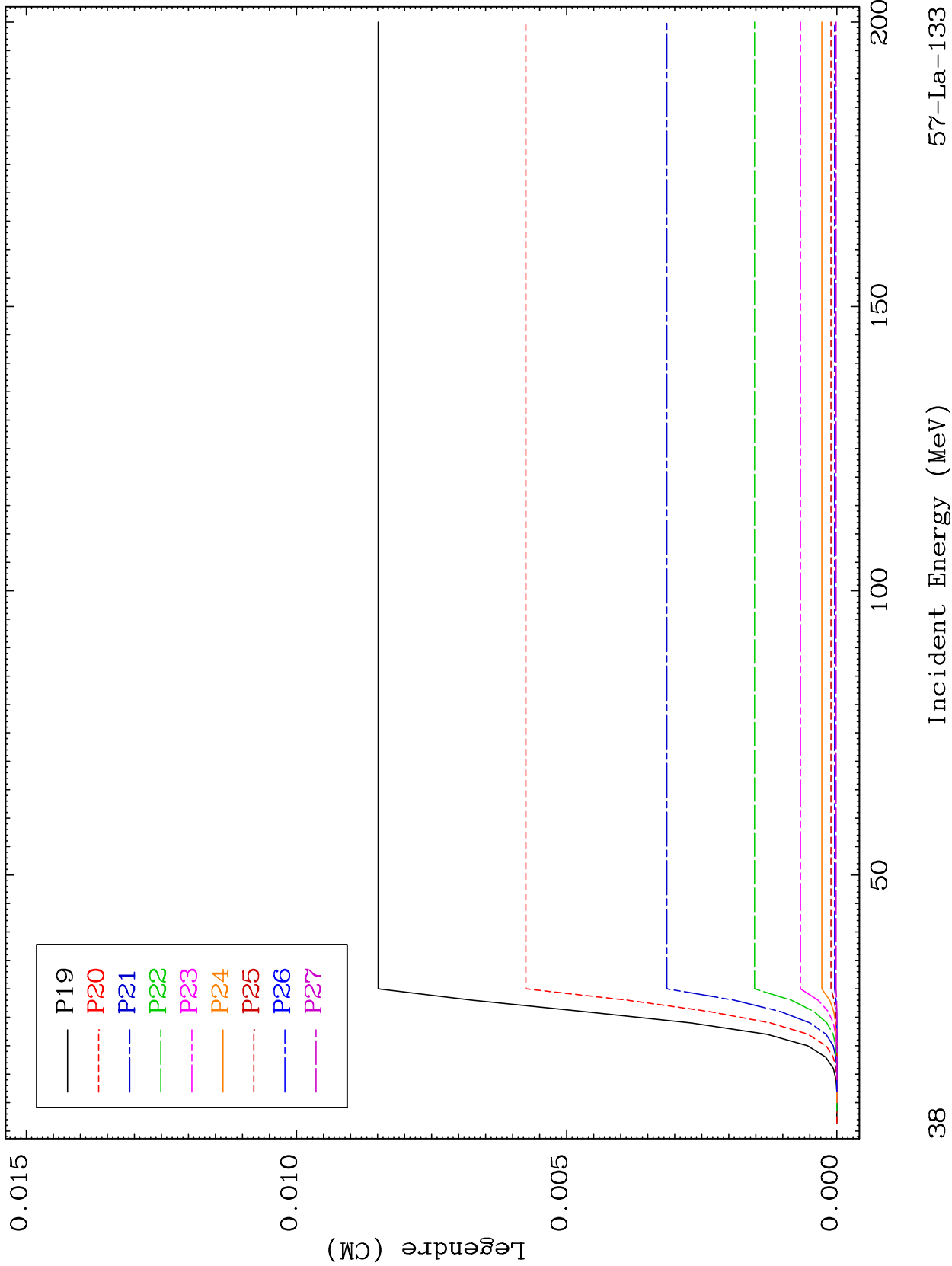
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



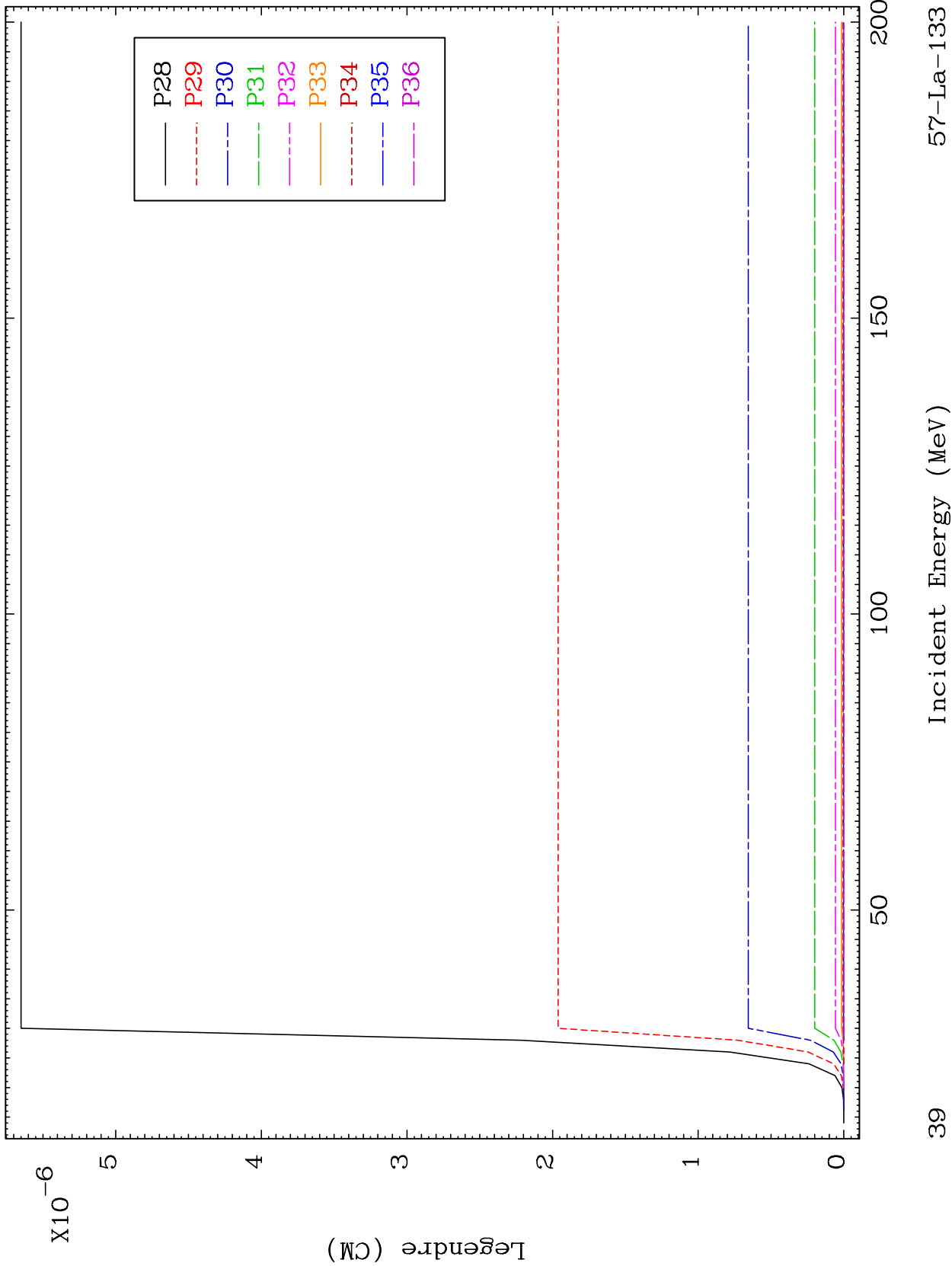
38

57-La-133

MAT 5710

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

57-La-133



39

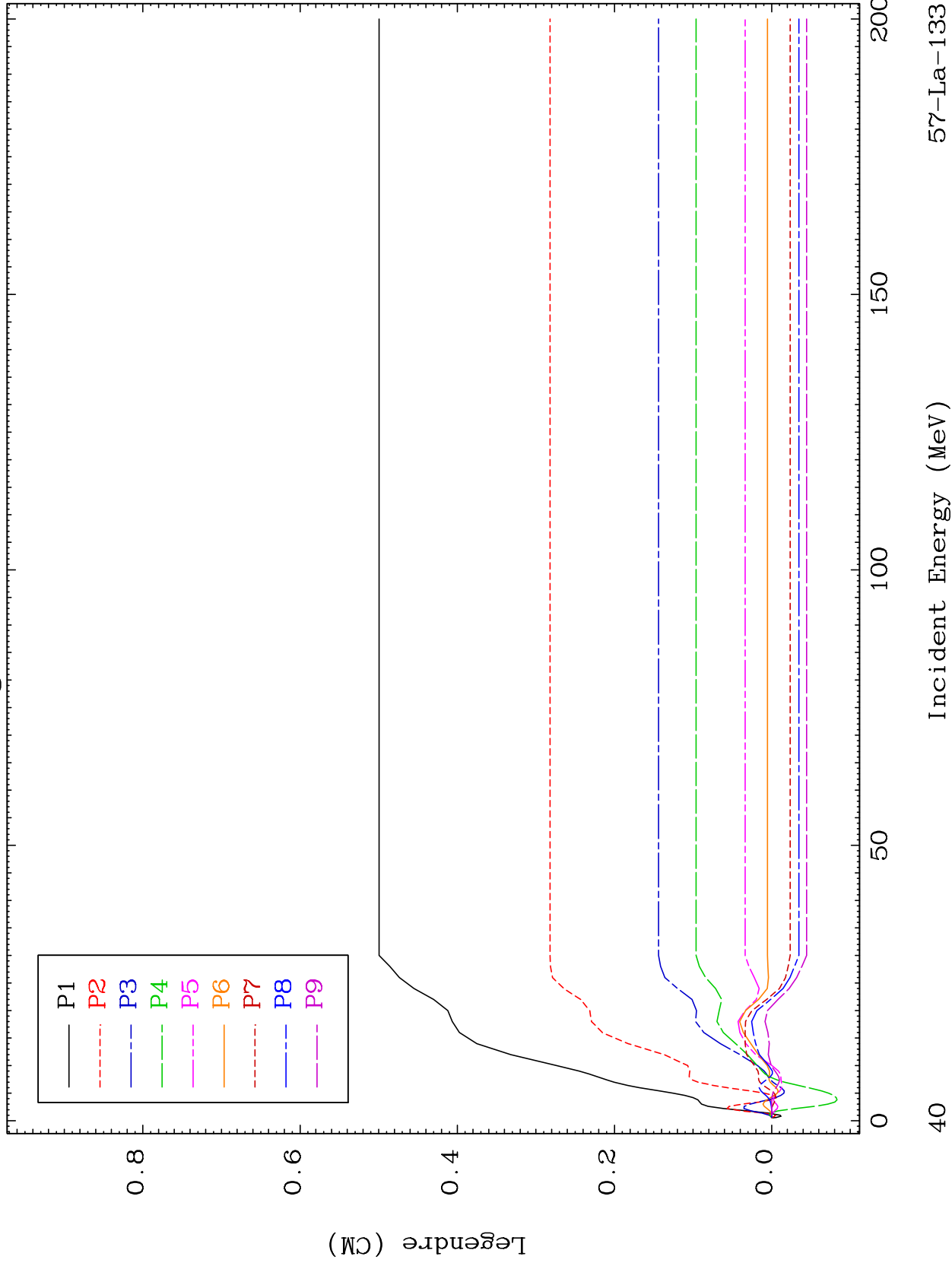
57-La-133



MAT 5710

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

57-La-133



57-La-133

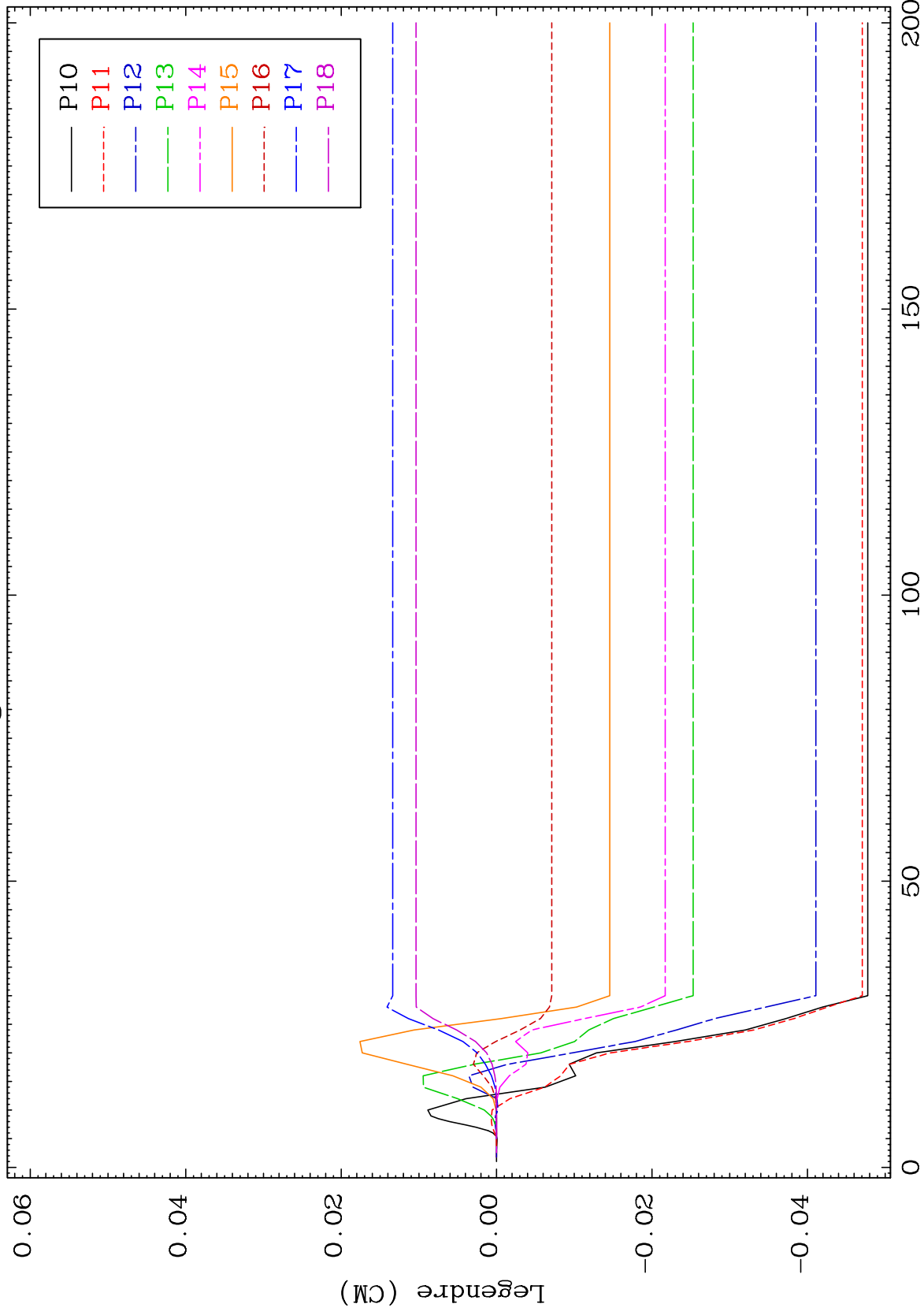
Incident Energy (MeV)

40

MAT 5710

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

57-La-133



41

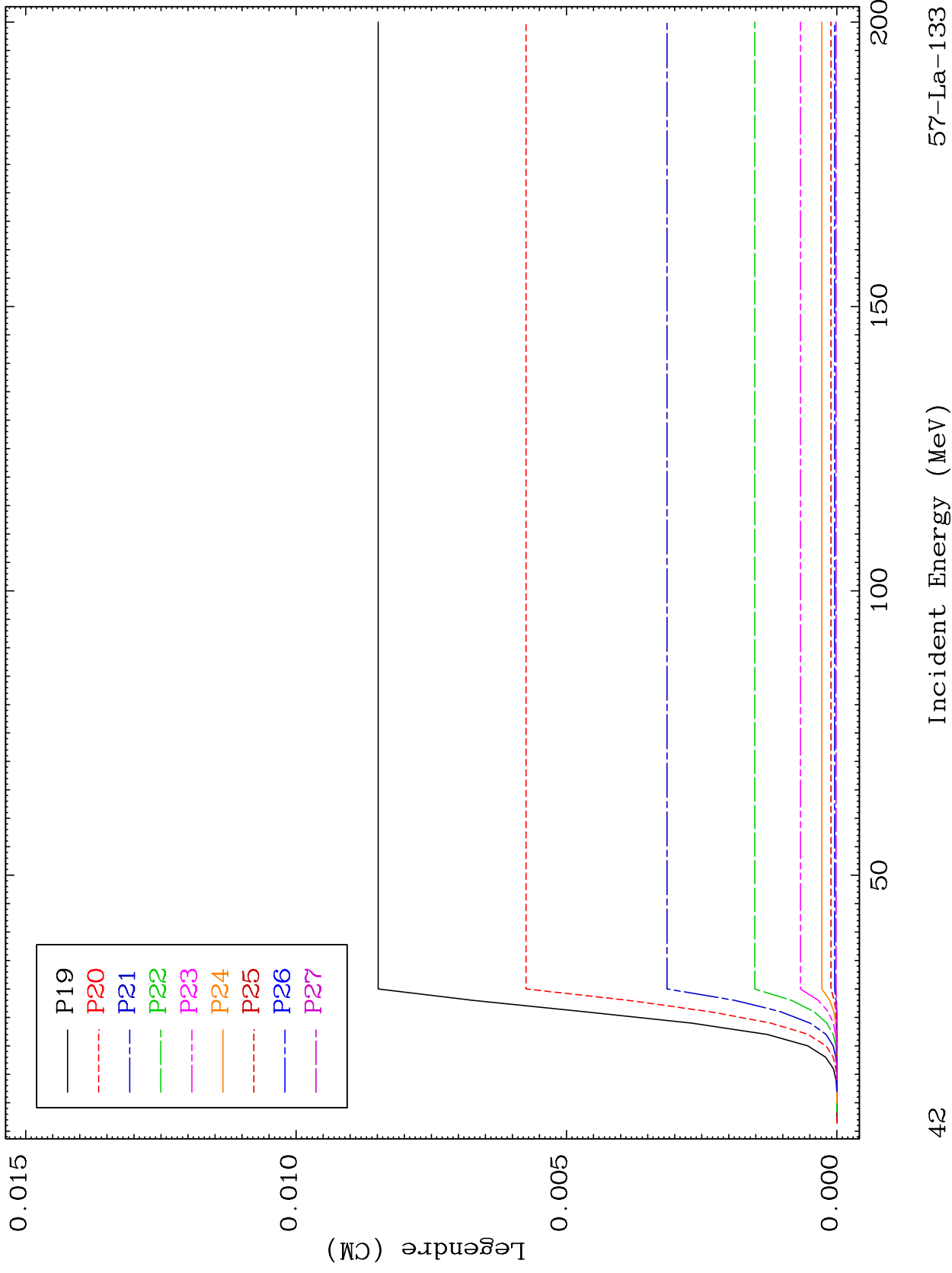
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



42

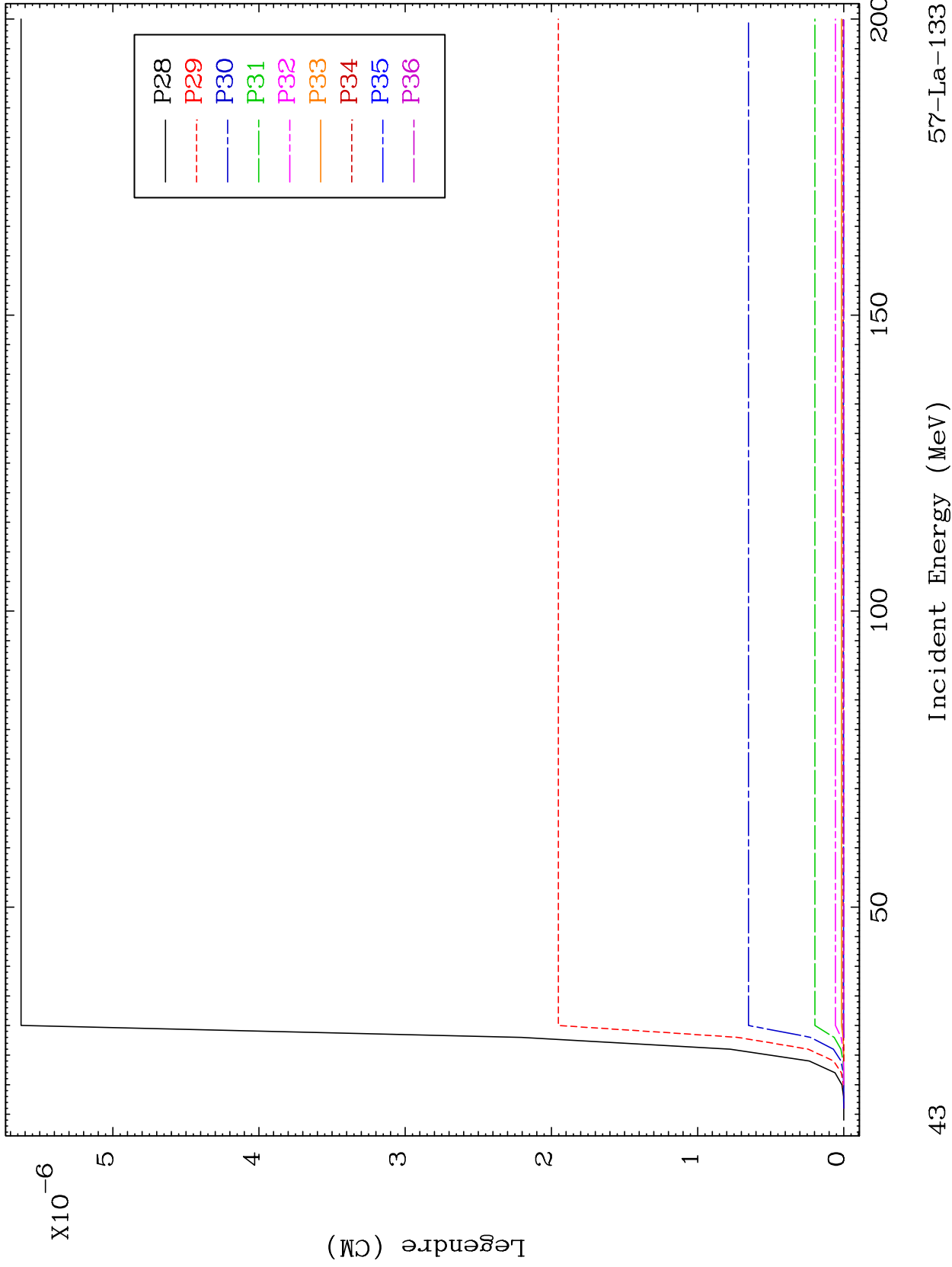
Incident Energy (MeV)

57-La-133

MAT 5710

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

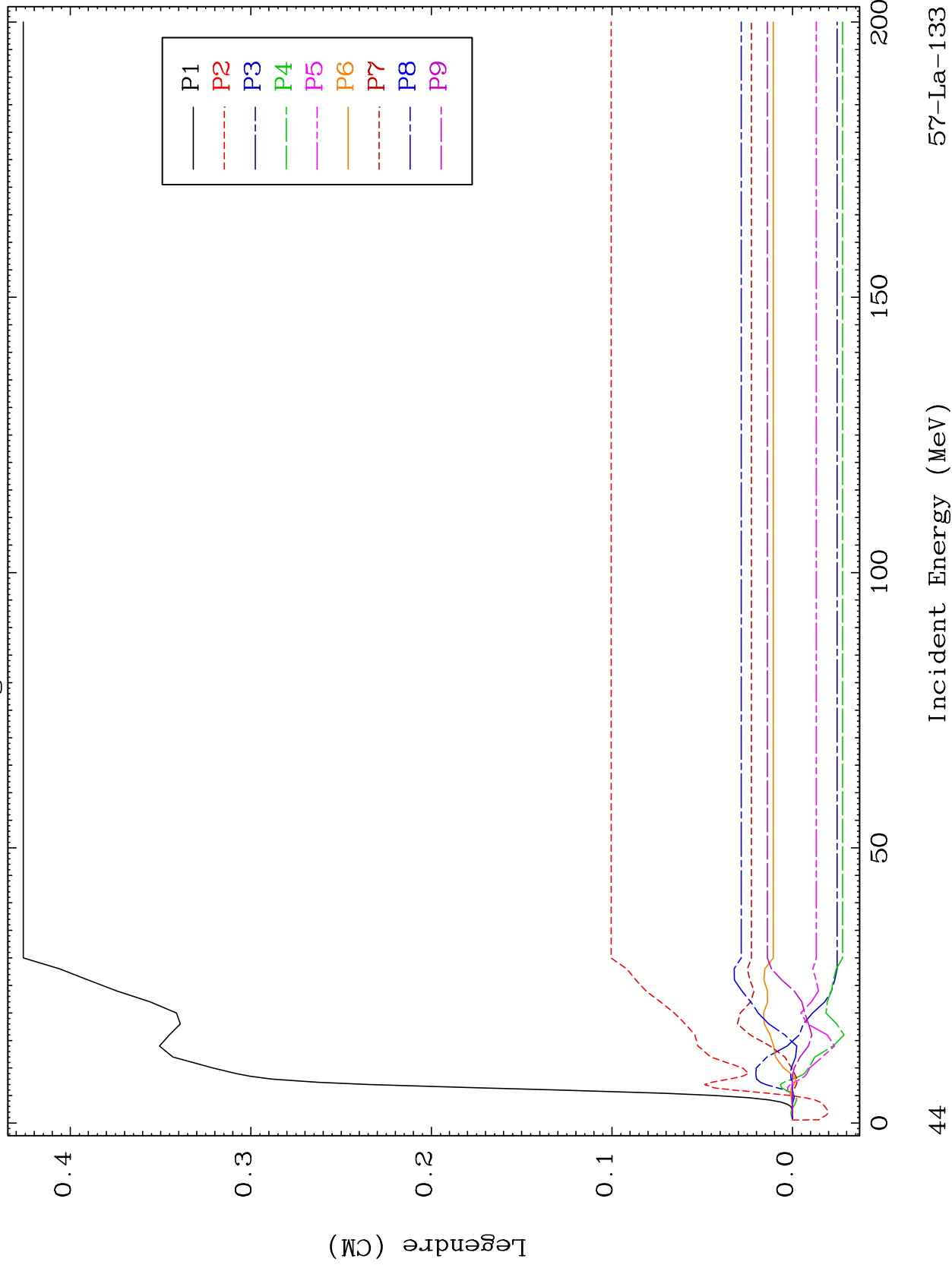
57-La-133



MAT 5710

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

57-La-133



57-La-133

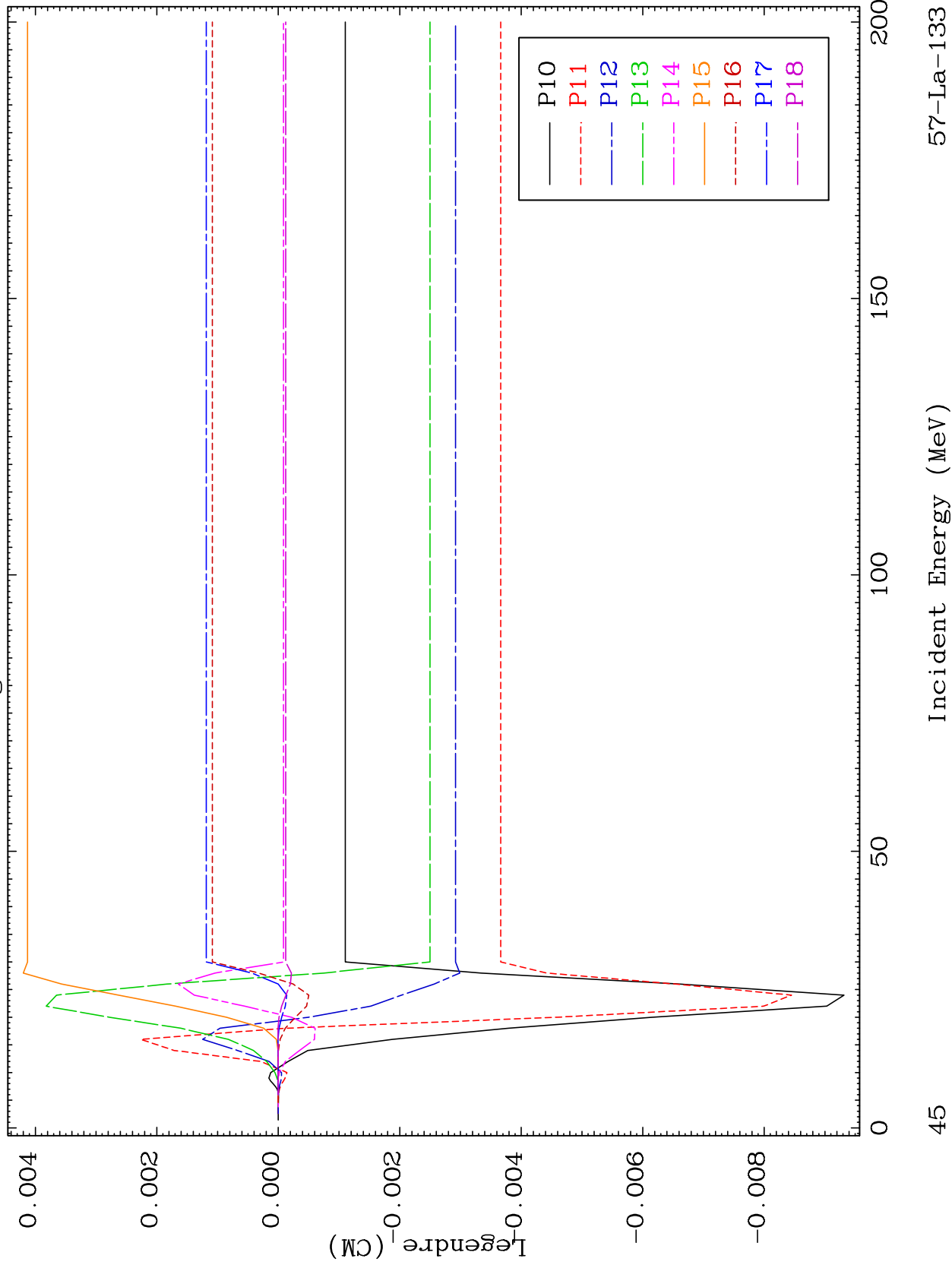
Incident Energy (MeV)

44

MAT 5710

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

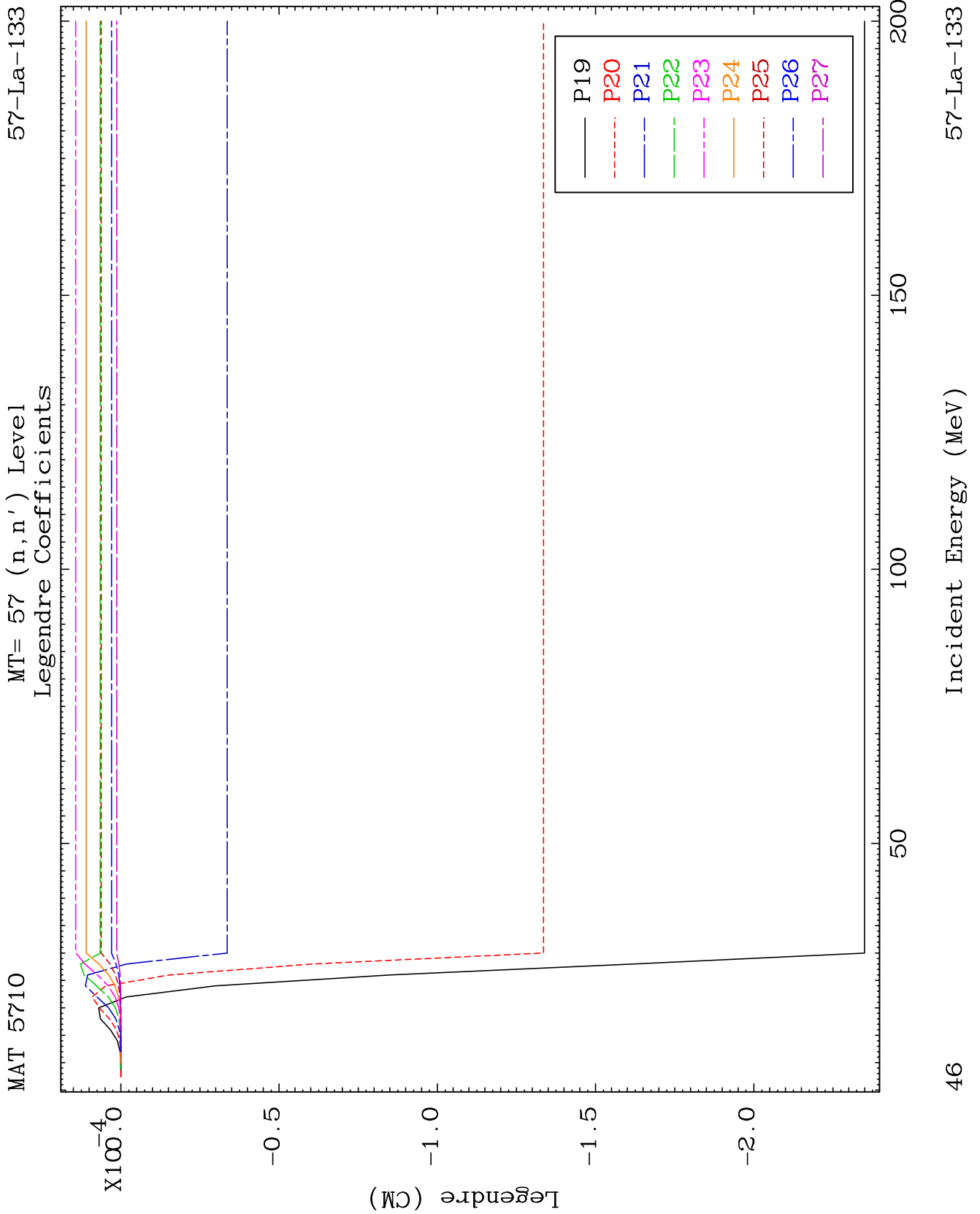
57-La-133



57-La-133

Incident Energy (MeV)

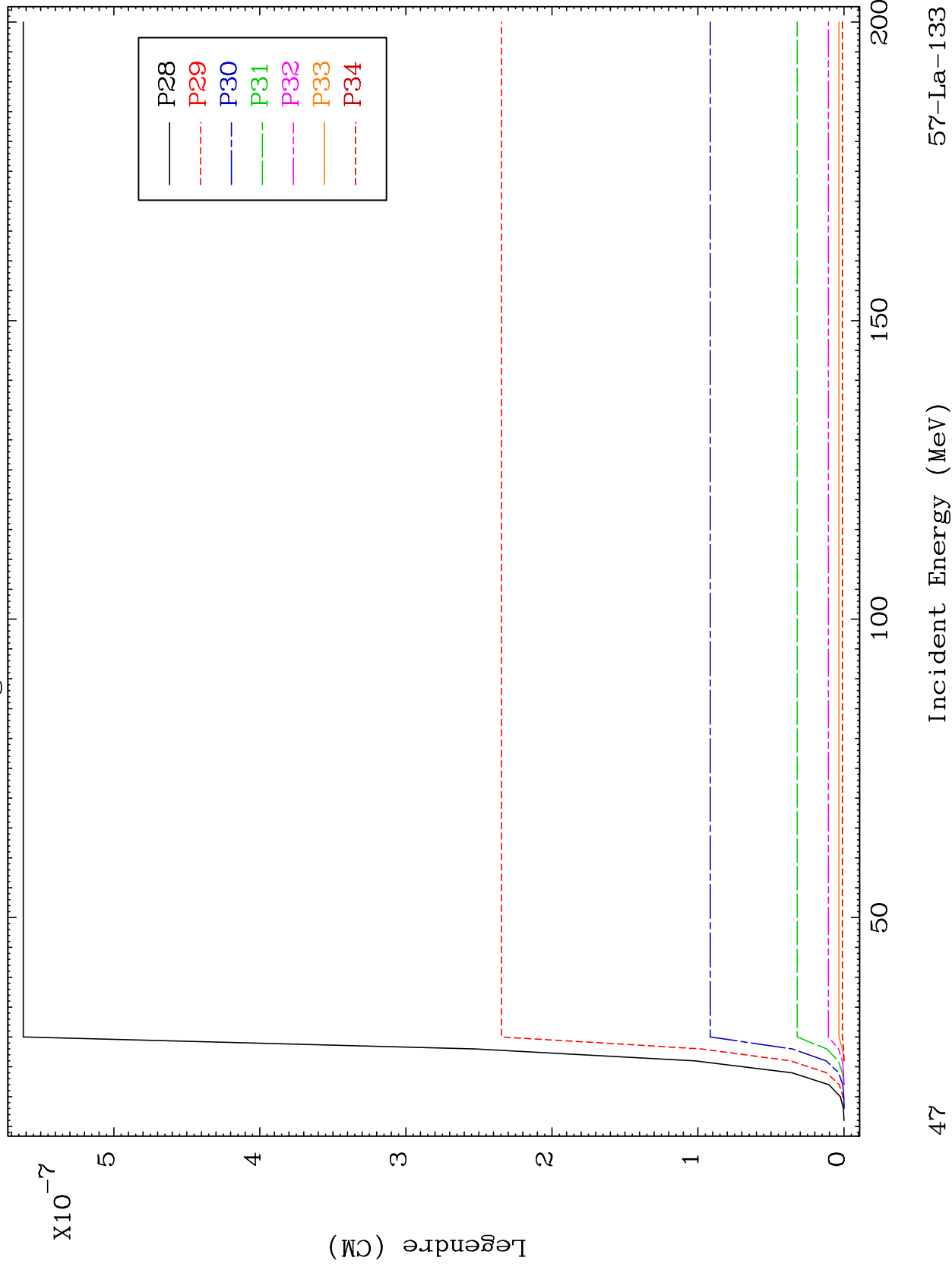
45



MAT 5710

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

57-La-133

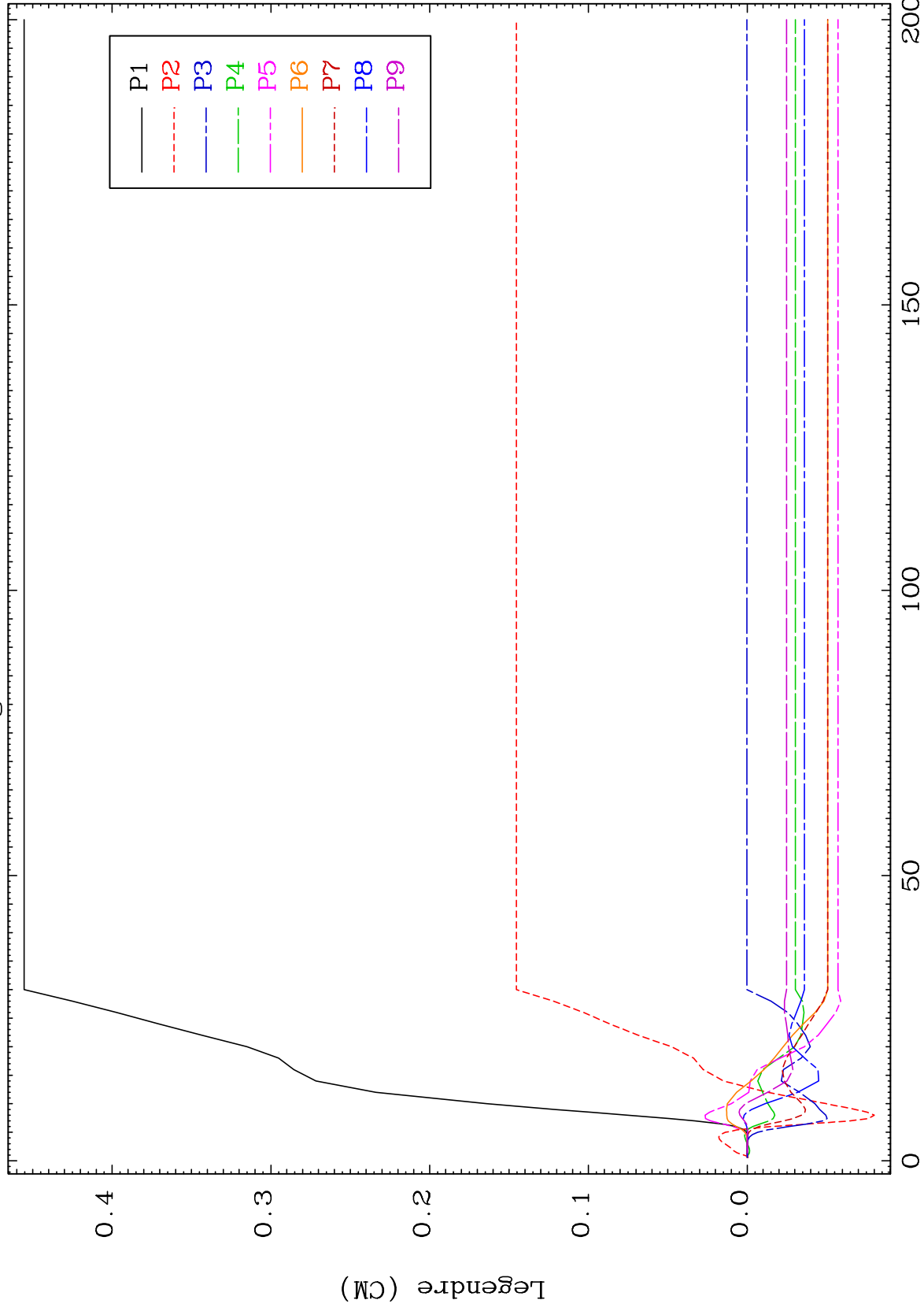




MAT 5710

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

57-La-133



48

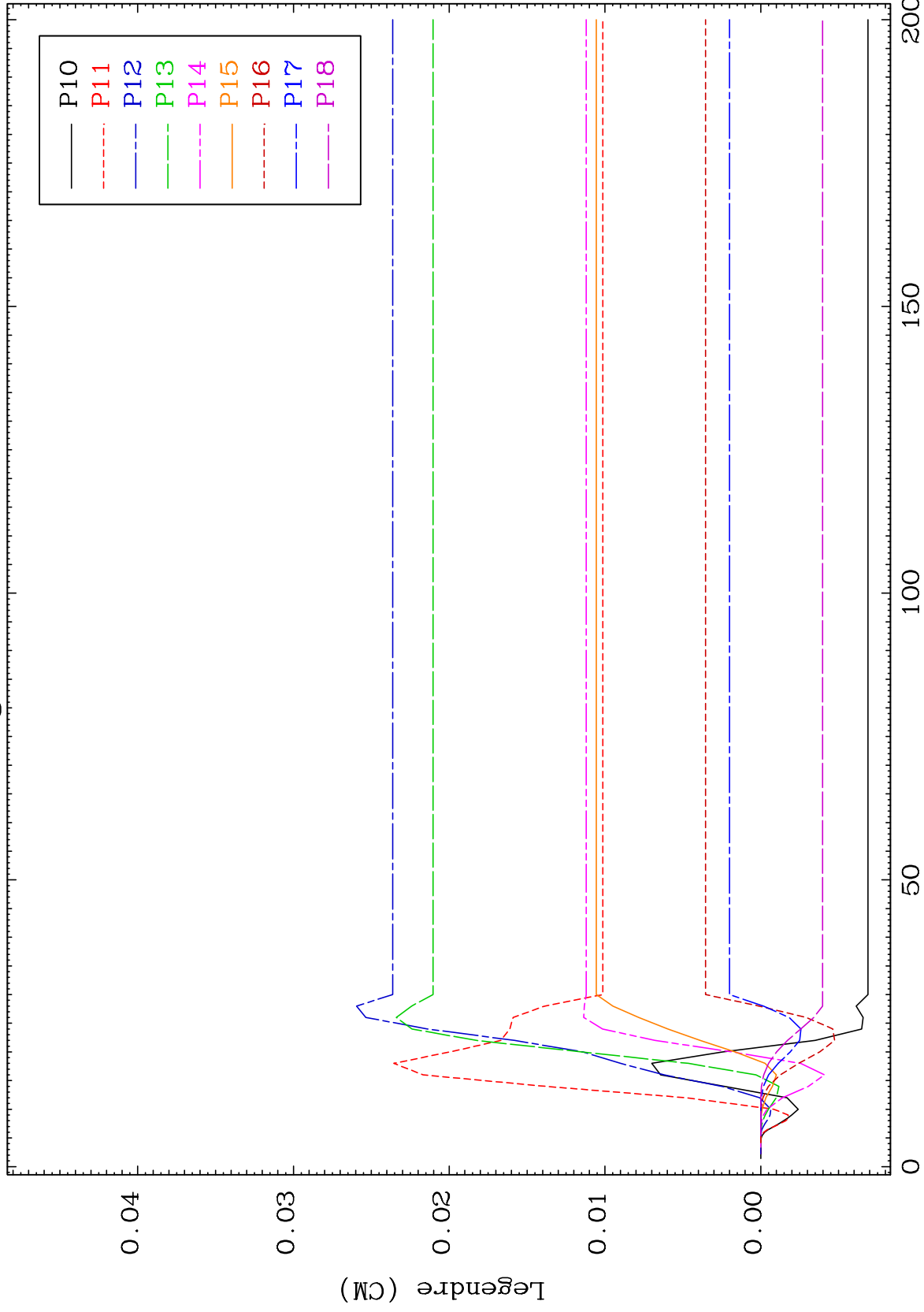
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



49

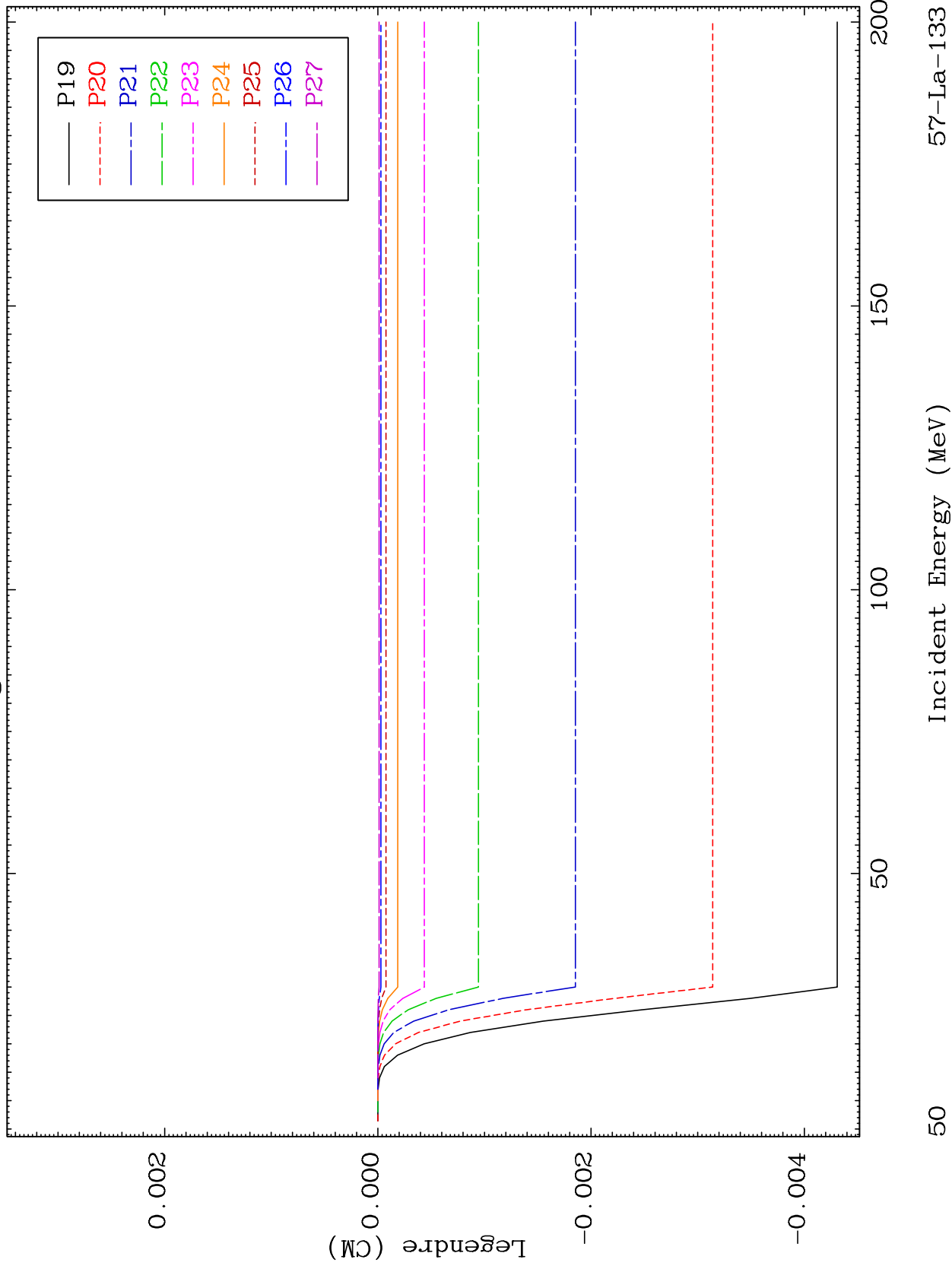
Incident Energy (MeV)

57-La-133

MAT 5710

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

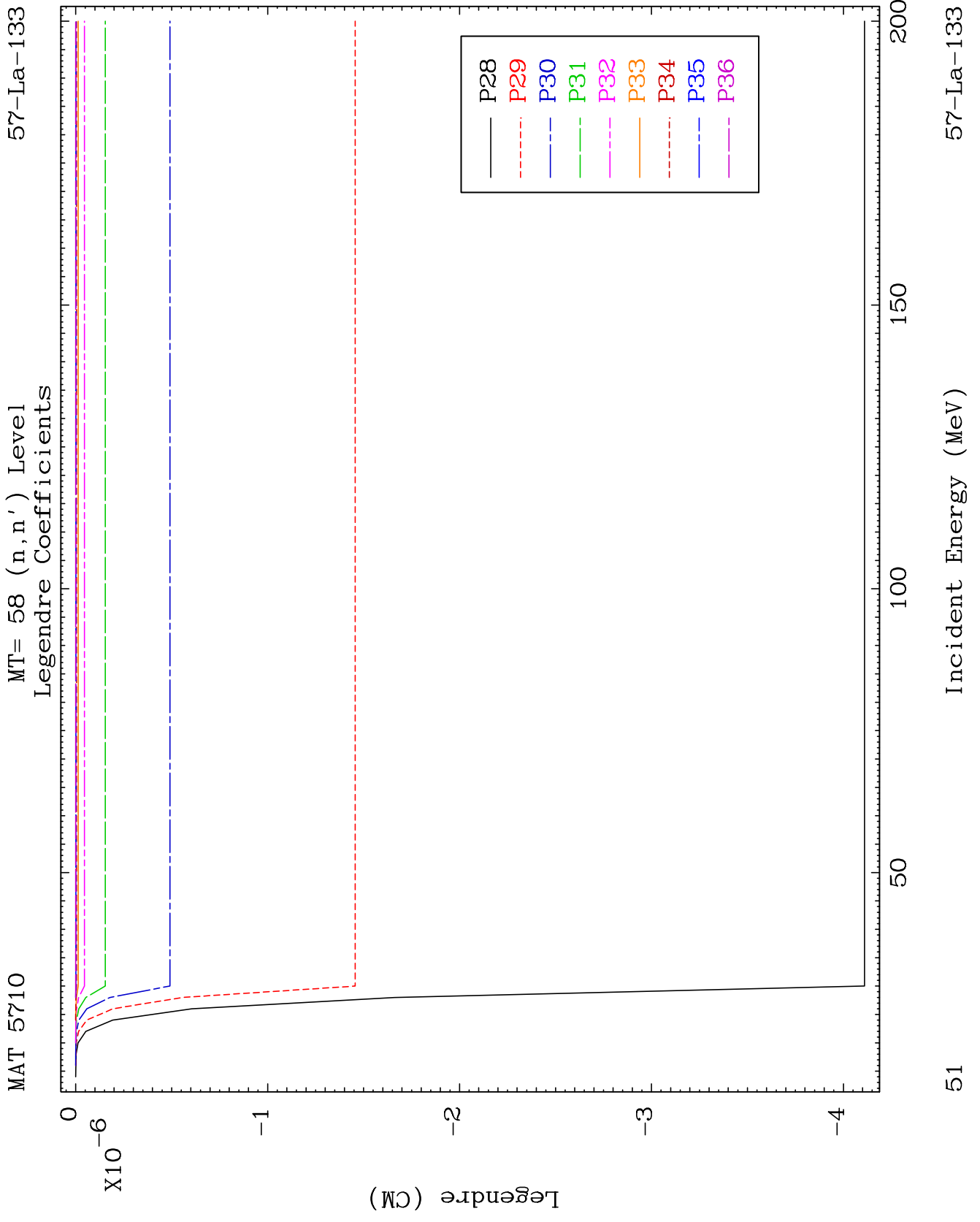
57-La-133



57-La-133

Incident Energy (MeV)

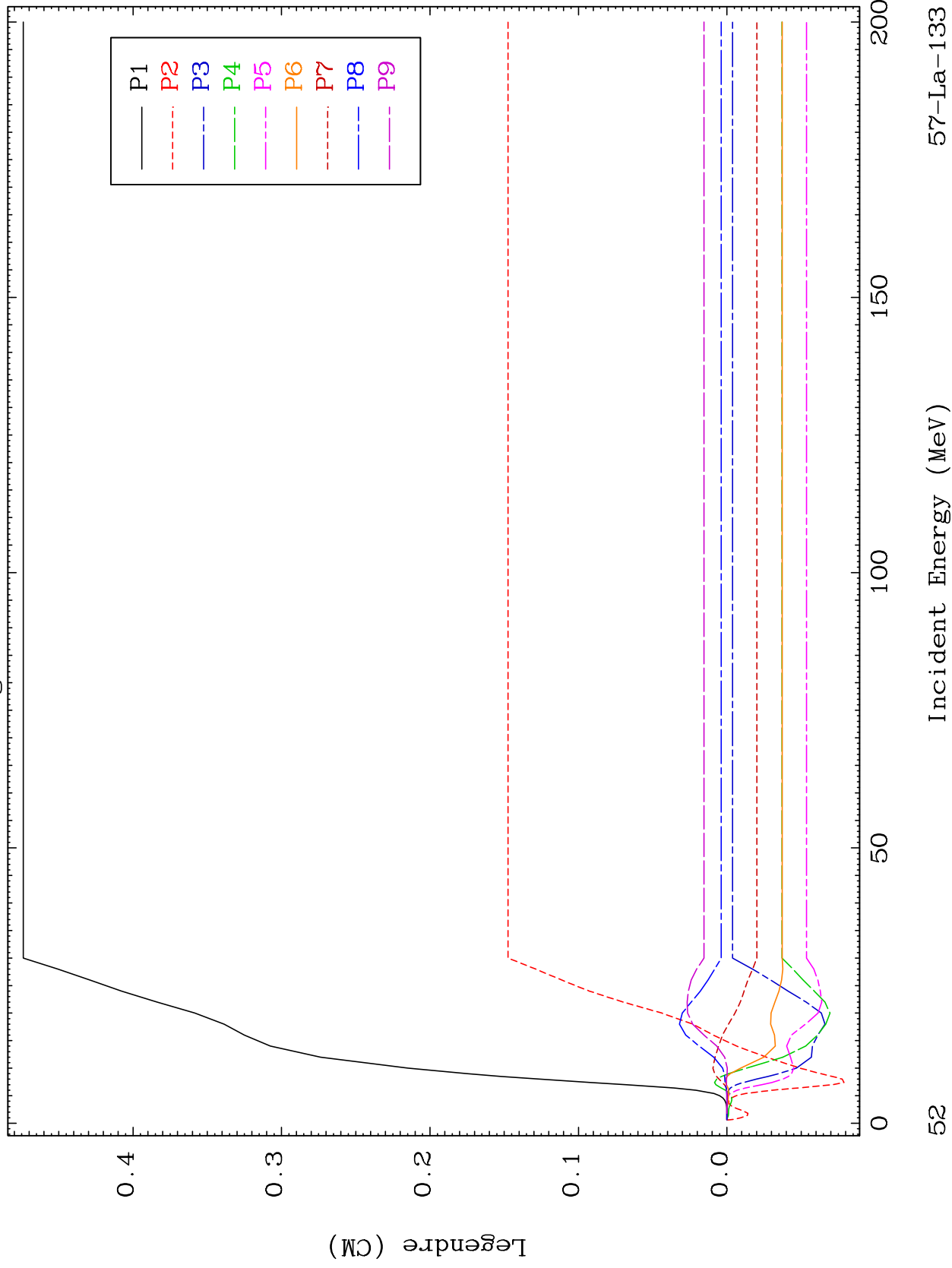
50



MAT 5710

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

57-La-133



57-La-133

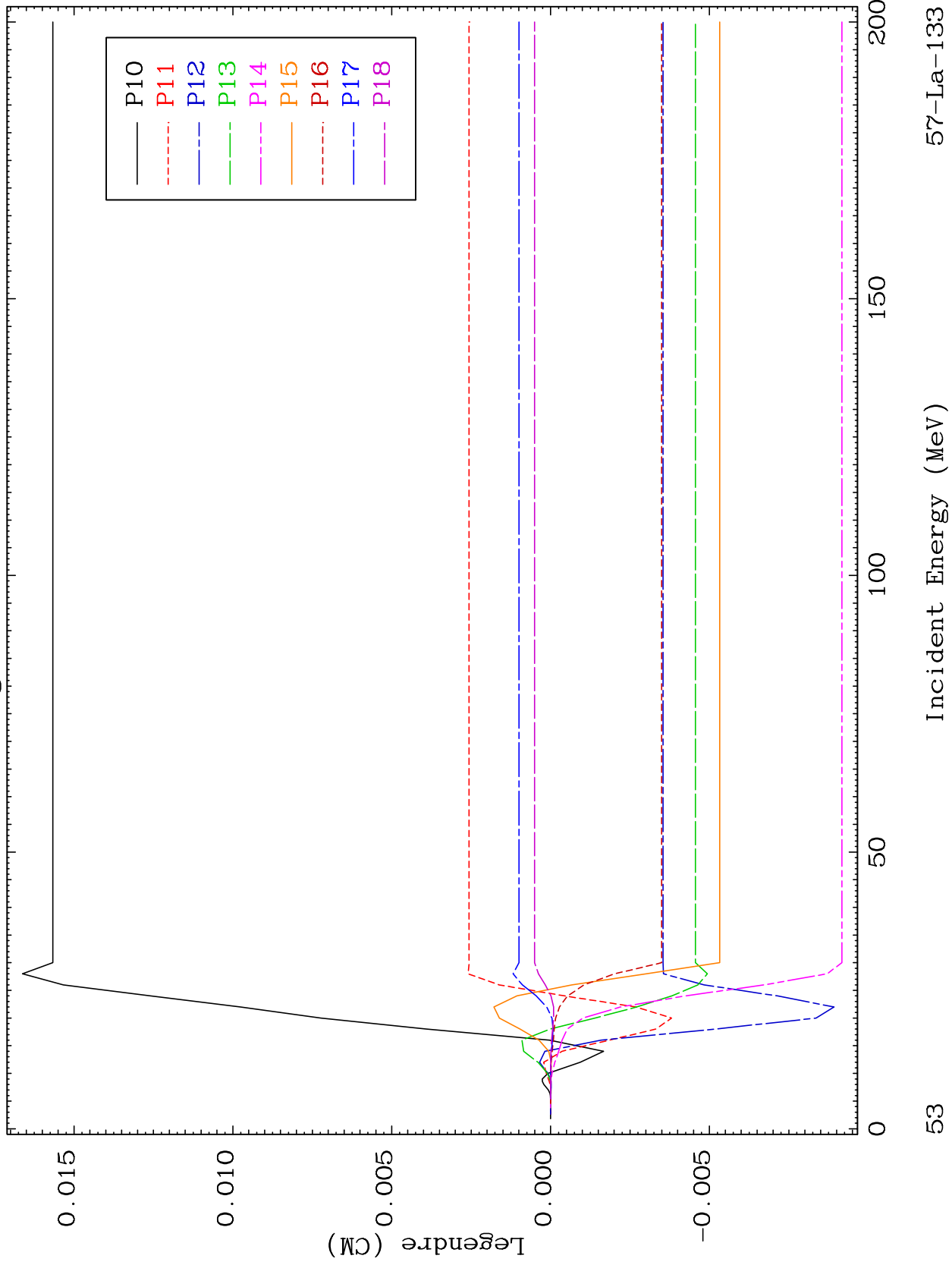
Incident Energy (MeV)

52

MAT 5710

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

57-La-133



57-La-133

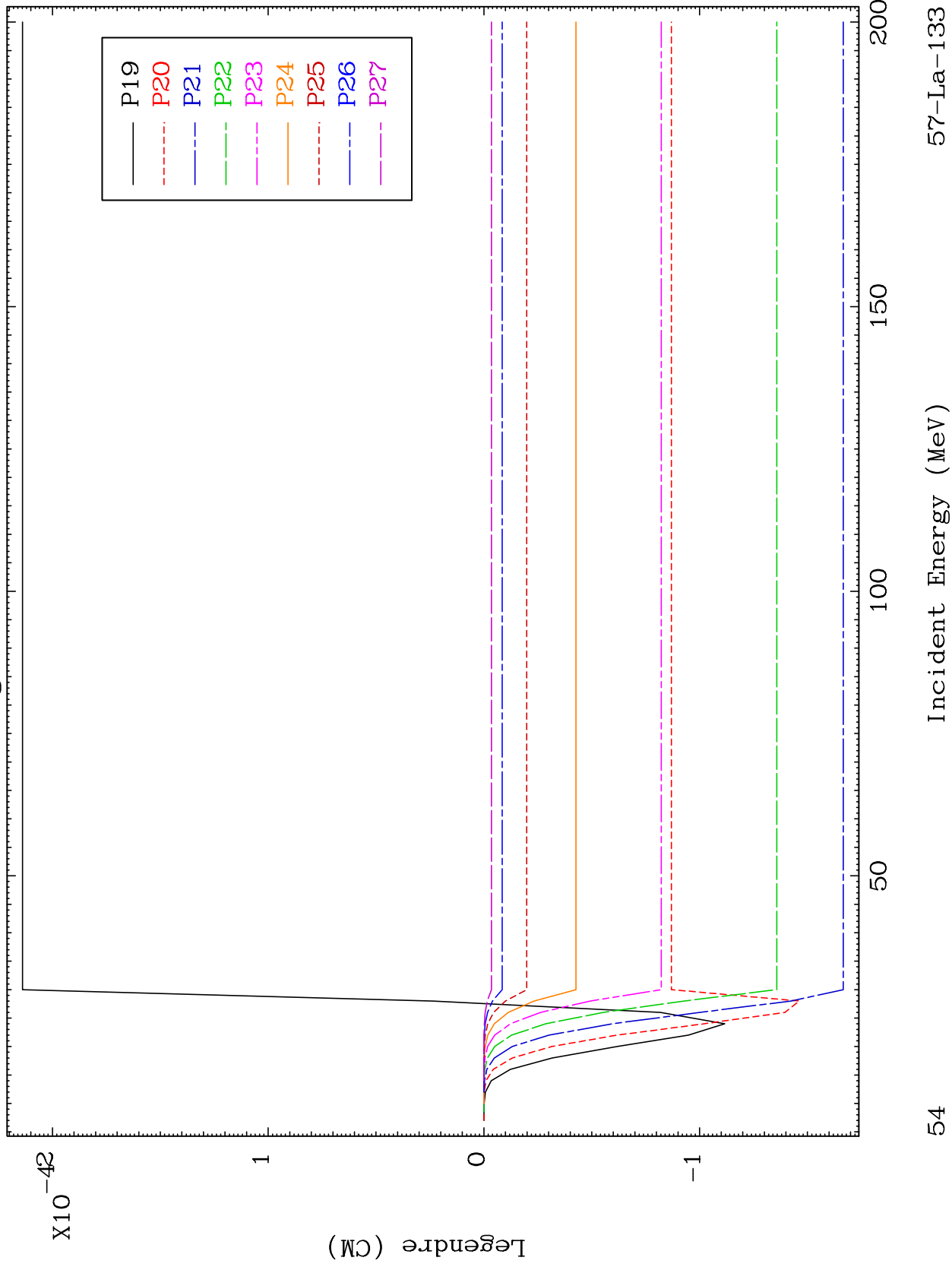
Incident Energy (MeV)

53

MAT 5710

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

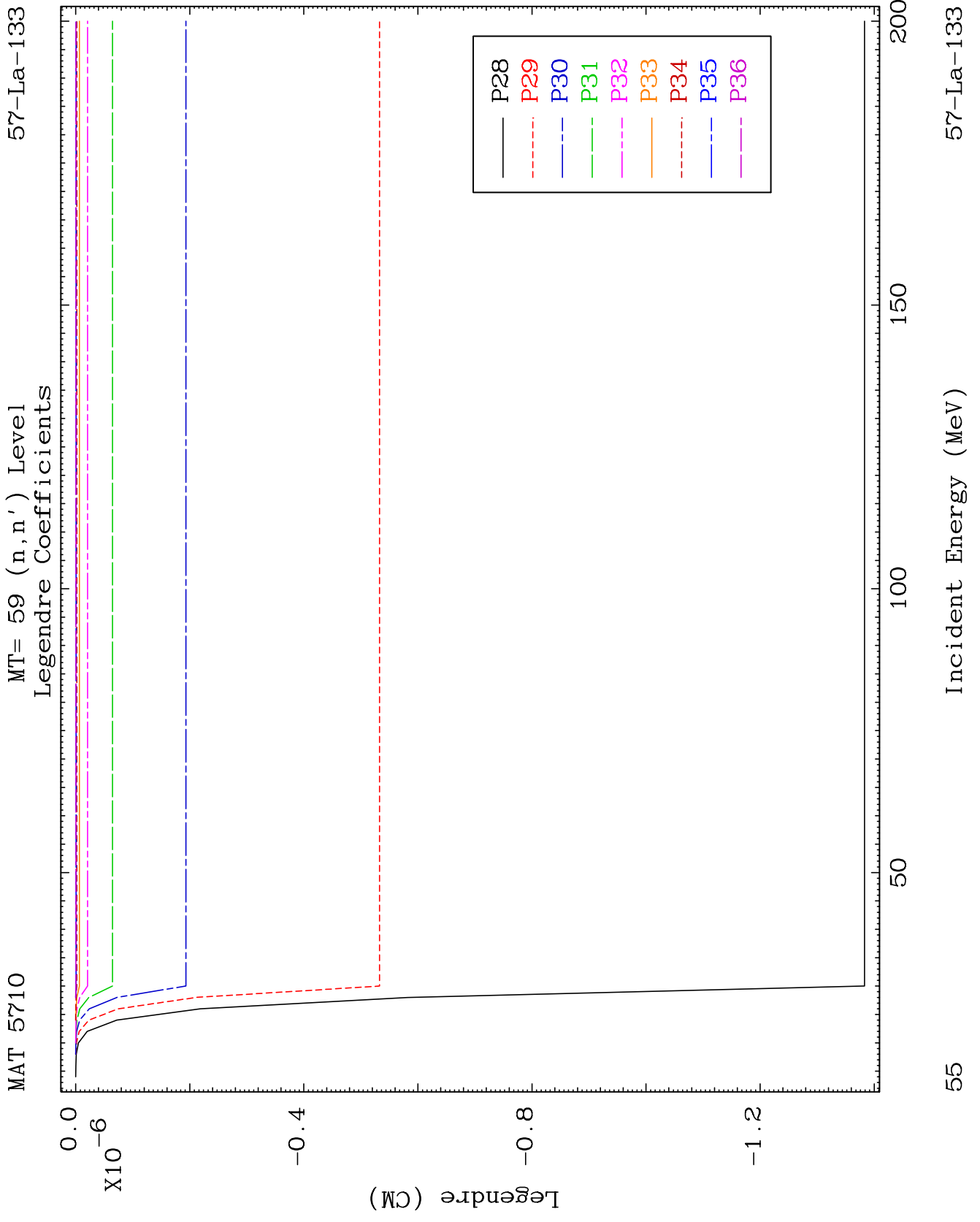
57-La-133



54

Incident Energy (MeV)

57-La-133

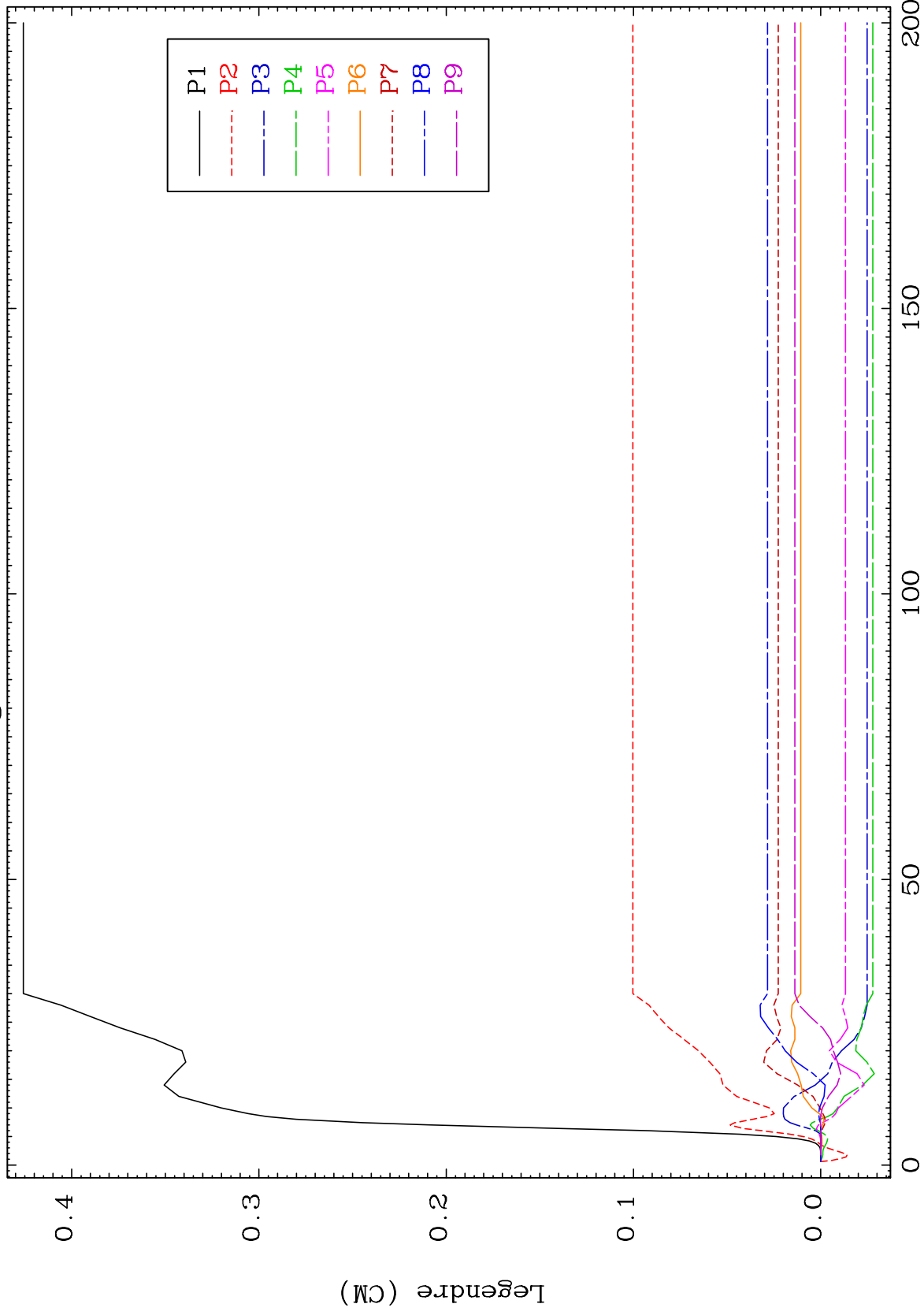




MAT 5710

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

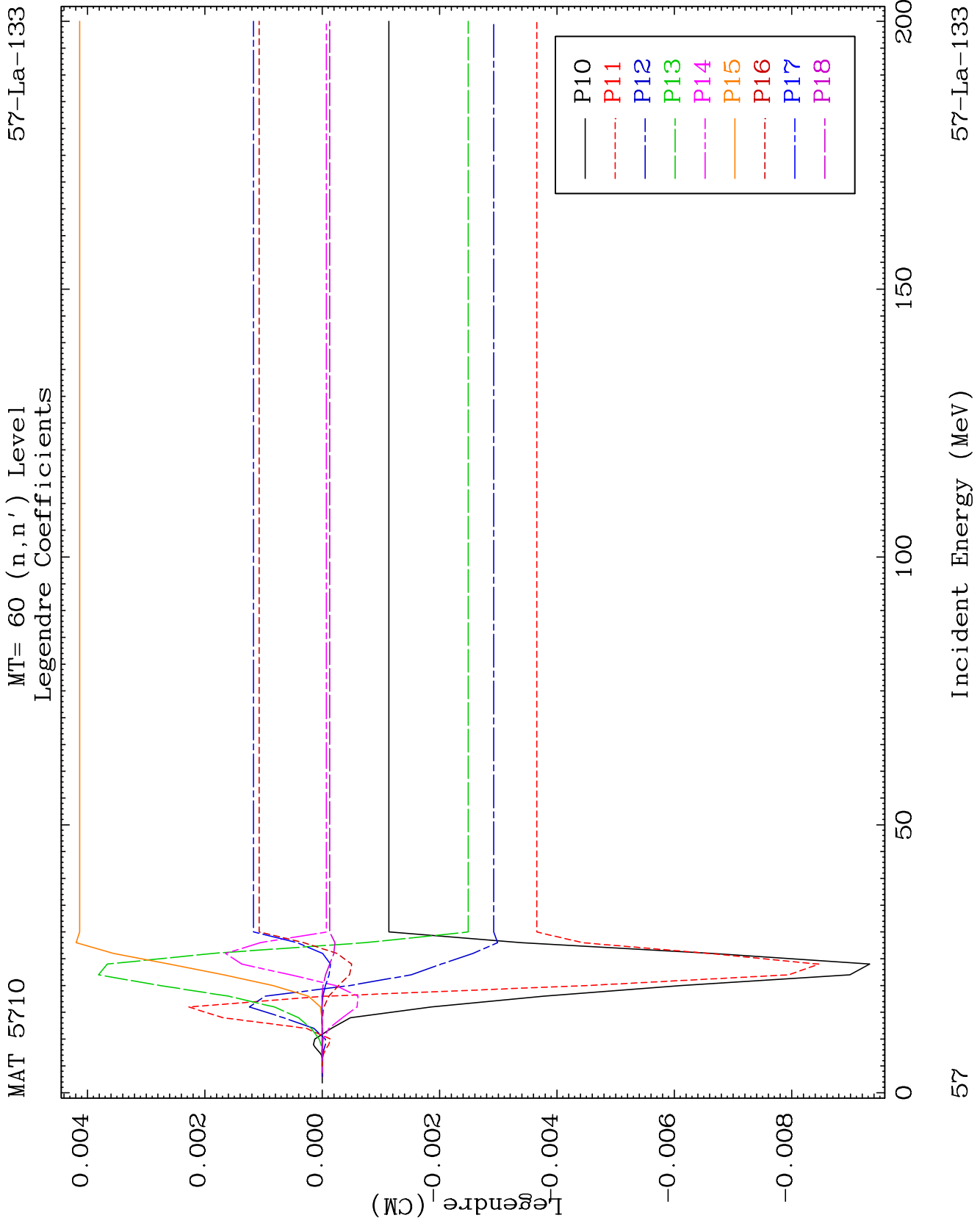
57-La-133

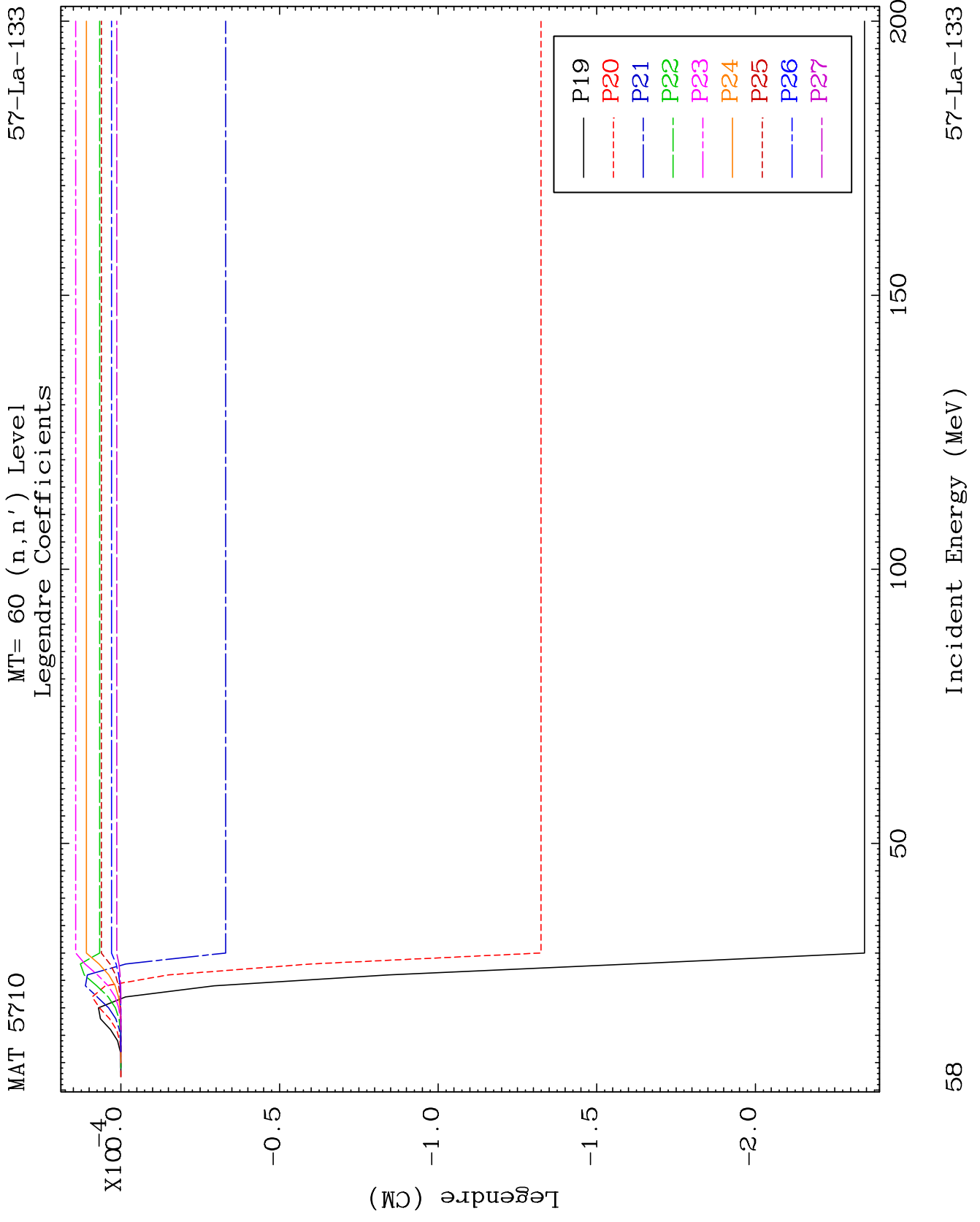


56

Incident Energy (MeV)

57-La-133

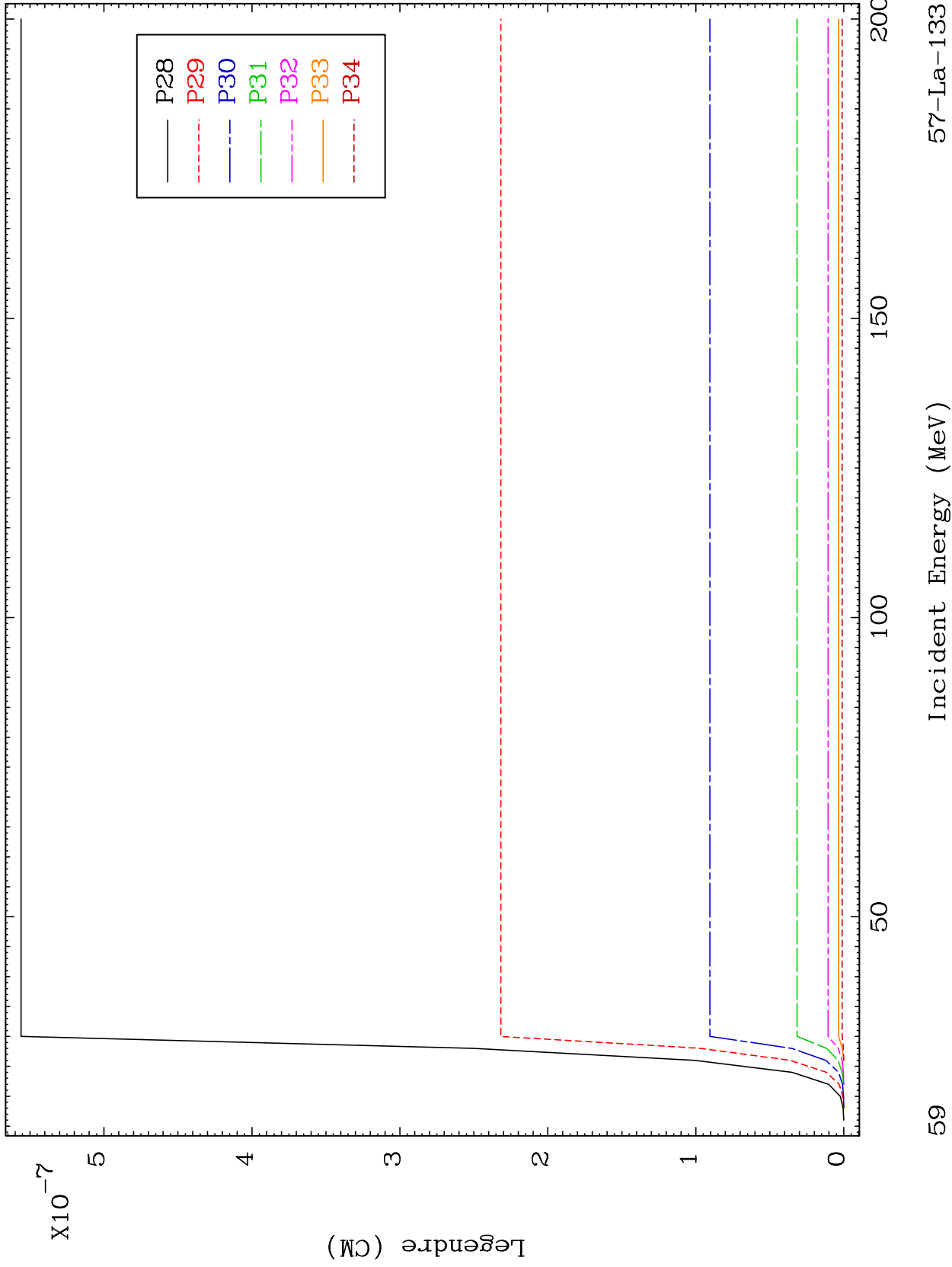




MAT 5710

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

57-La-133



59

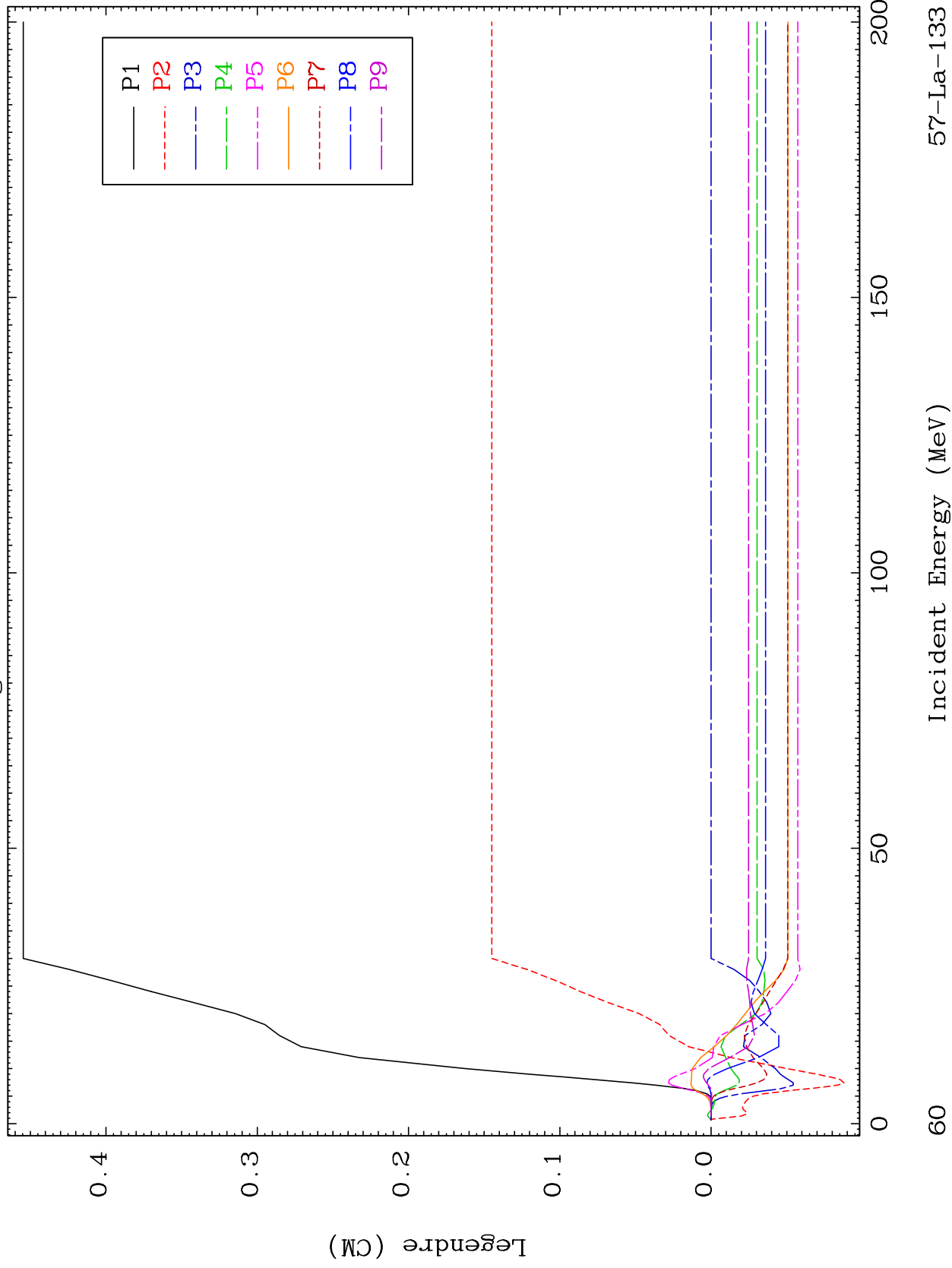
Incident Energy (MeV)

57-La-133

MAT 5710

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

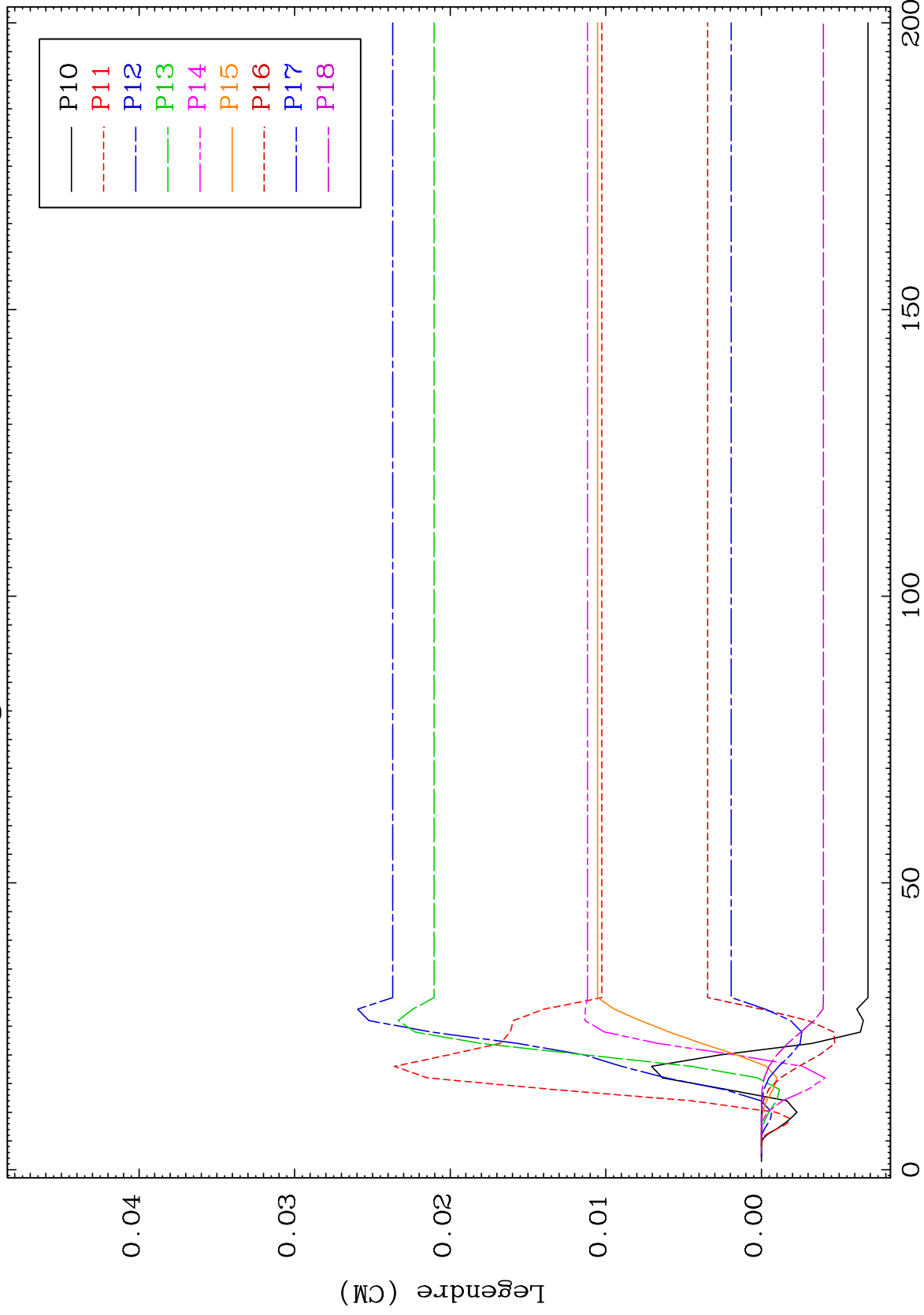
57-La-133



MAT 5710

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

57-La-133



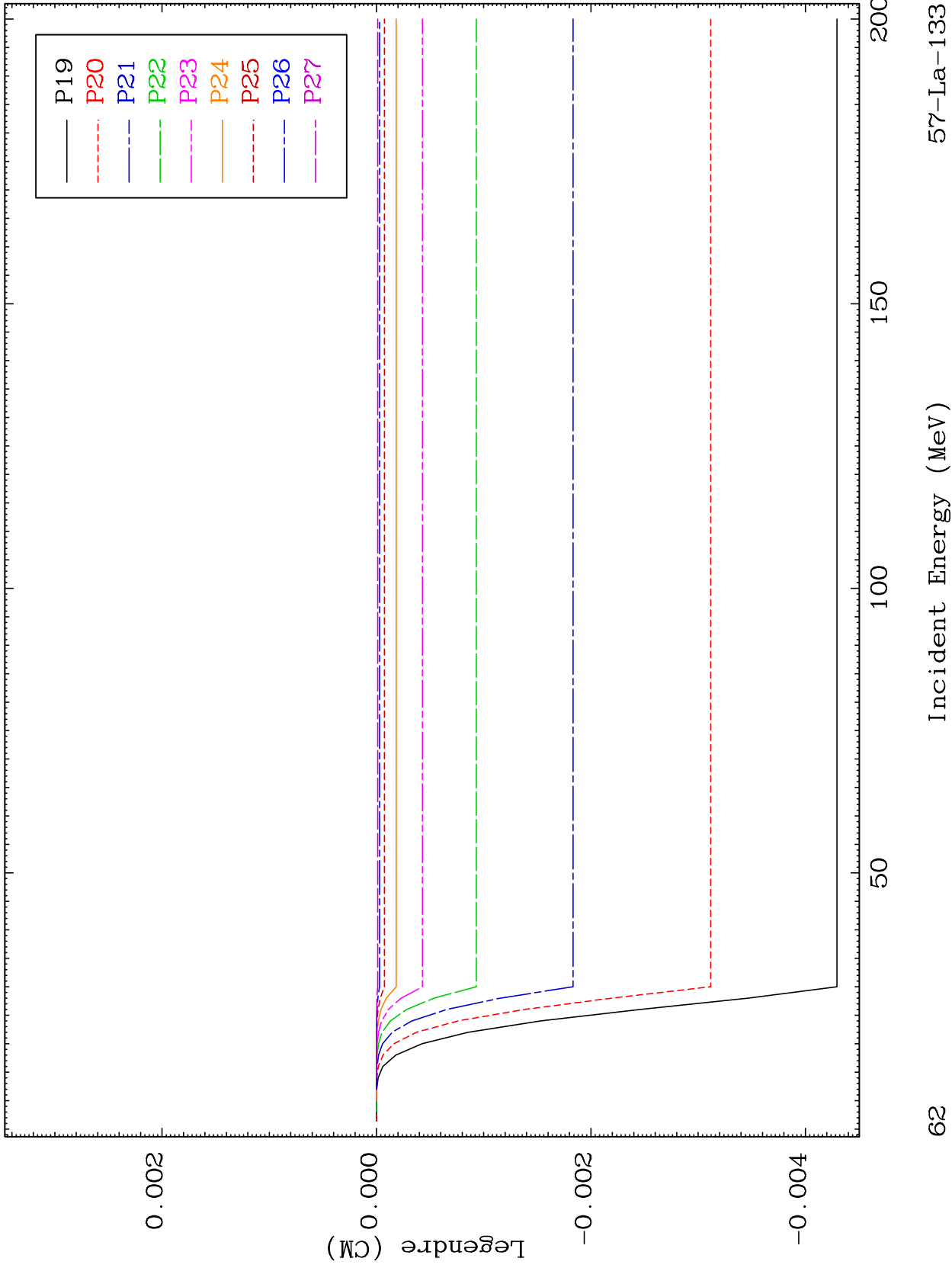
61

57-La-133

MAT 5710

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

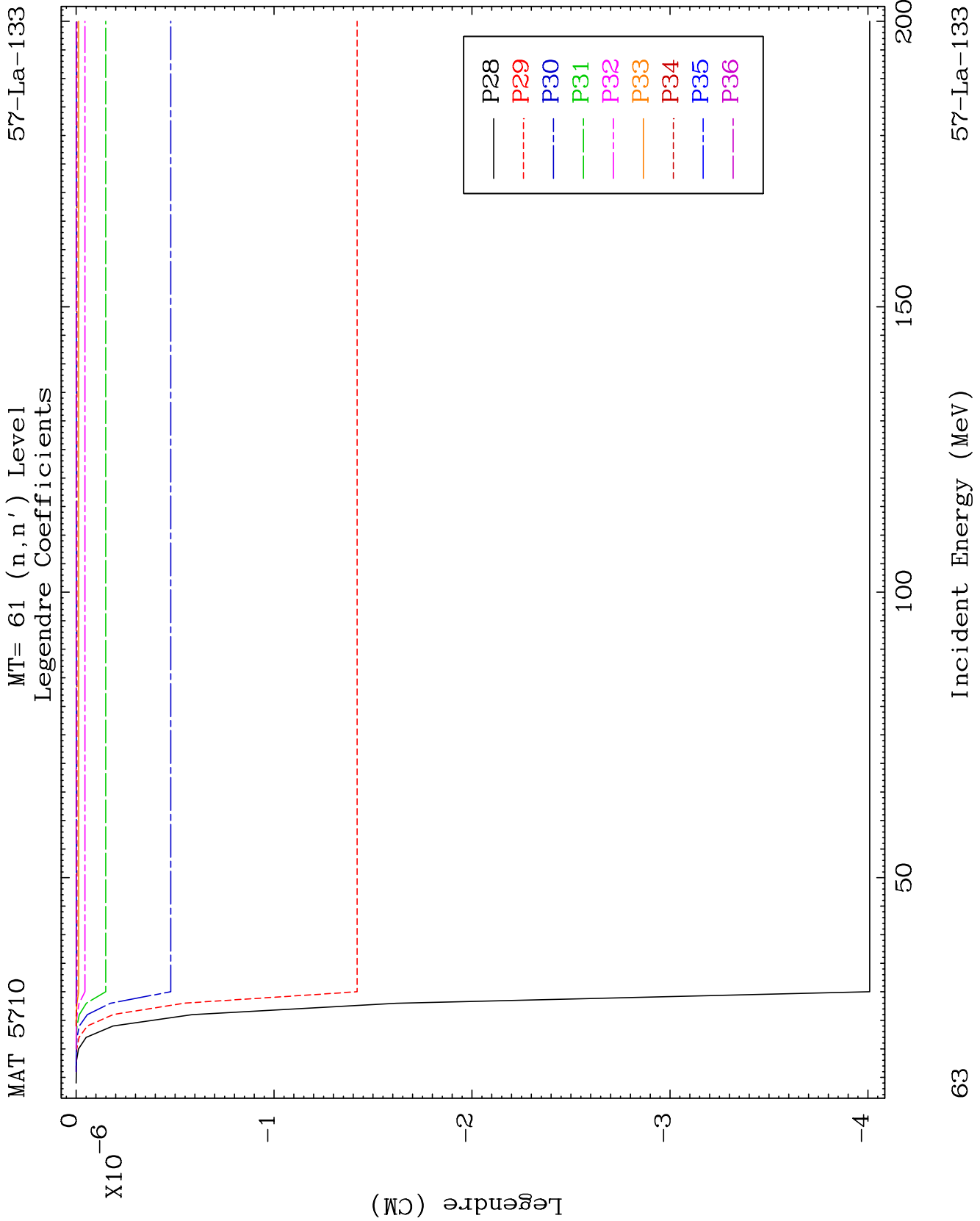
57-La-133



62

Incident Energy (MeV)

57-La-133

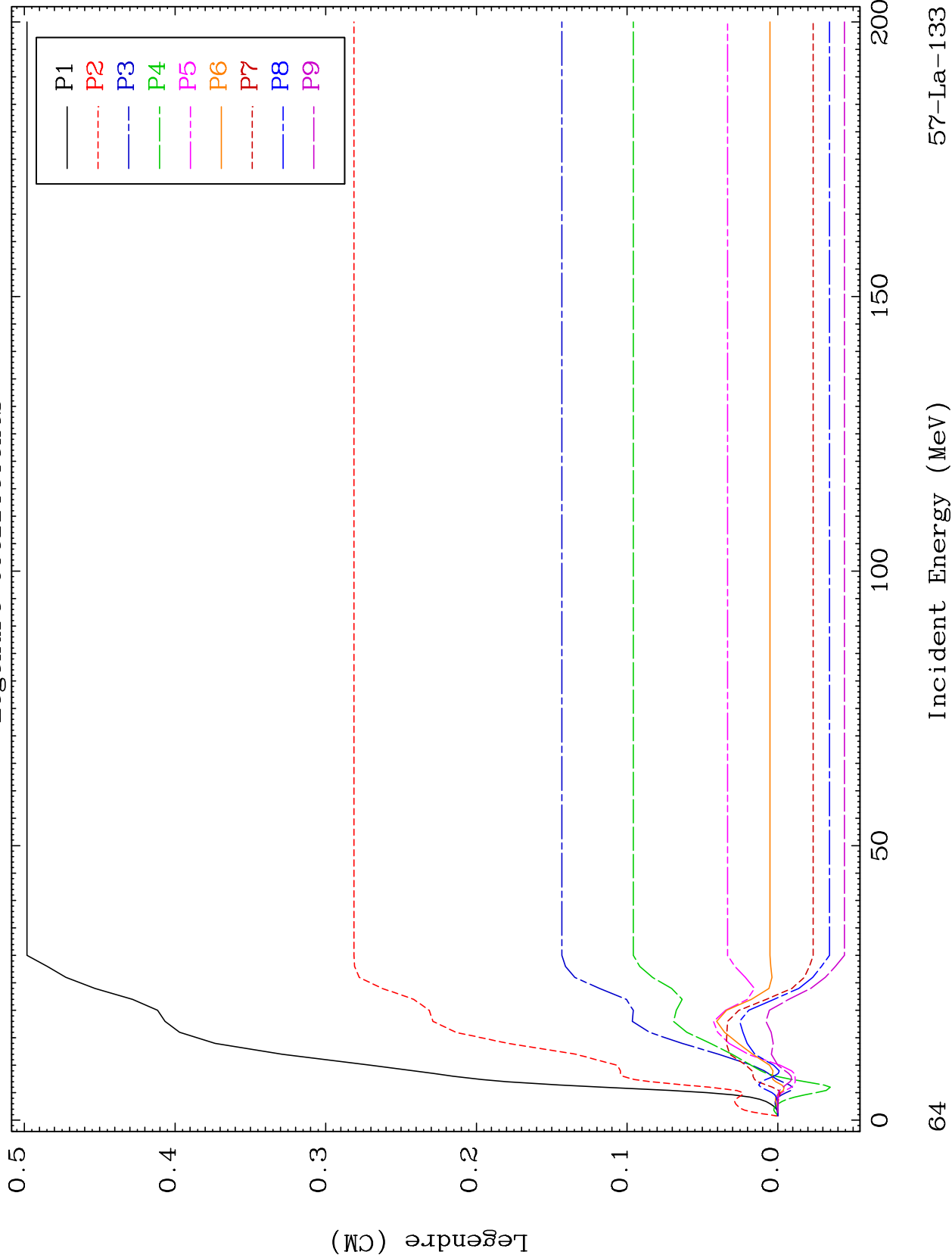




MAT 5710

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

57-La-133



57-La-133

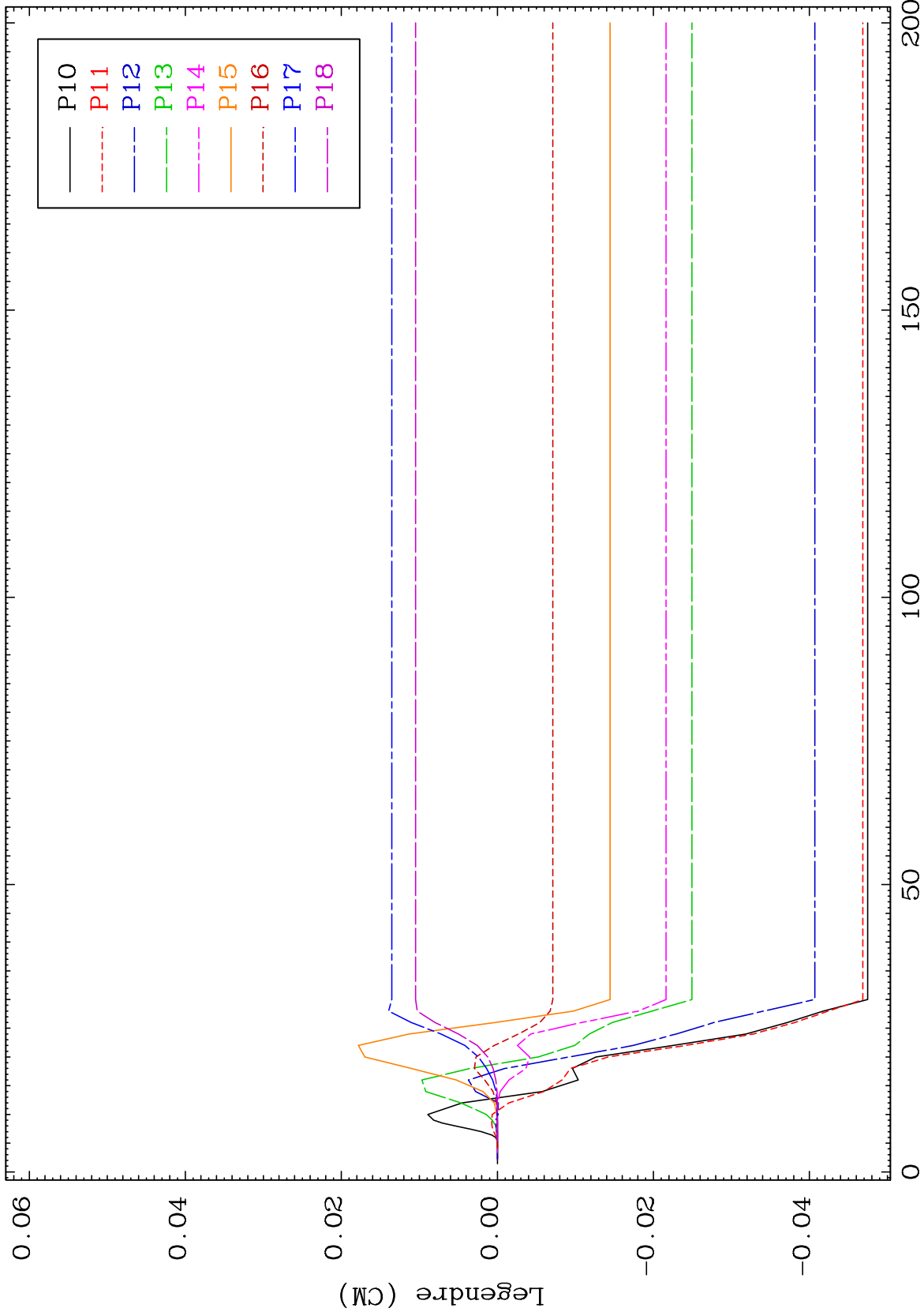
Incident Energy (MeV)

64

MAT 5710

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

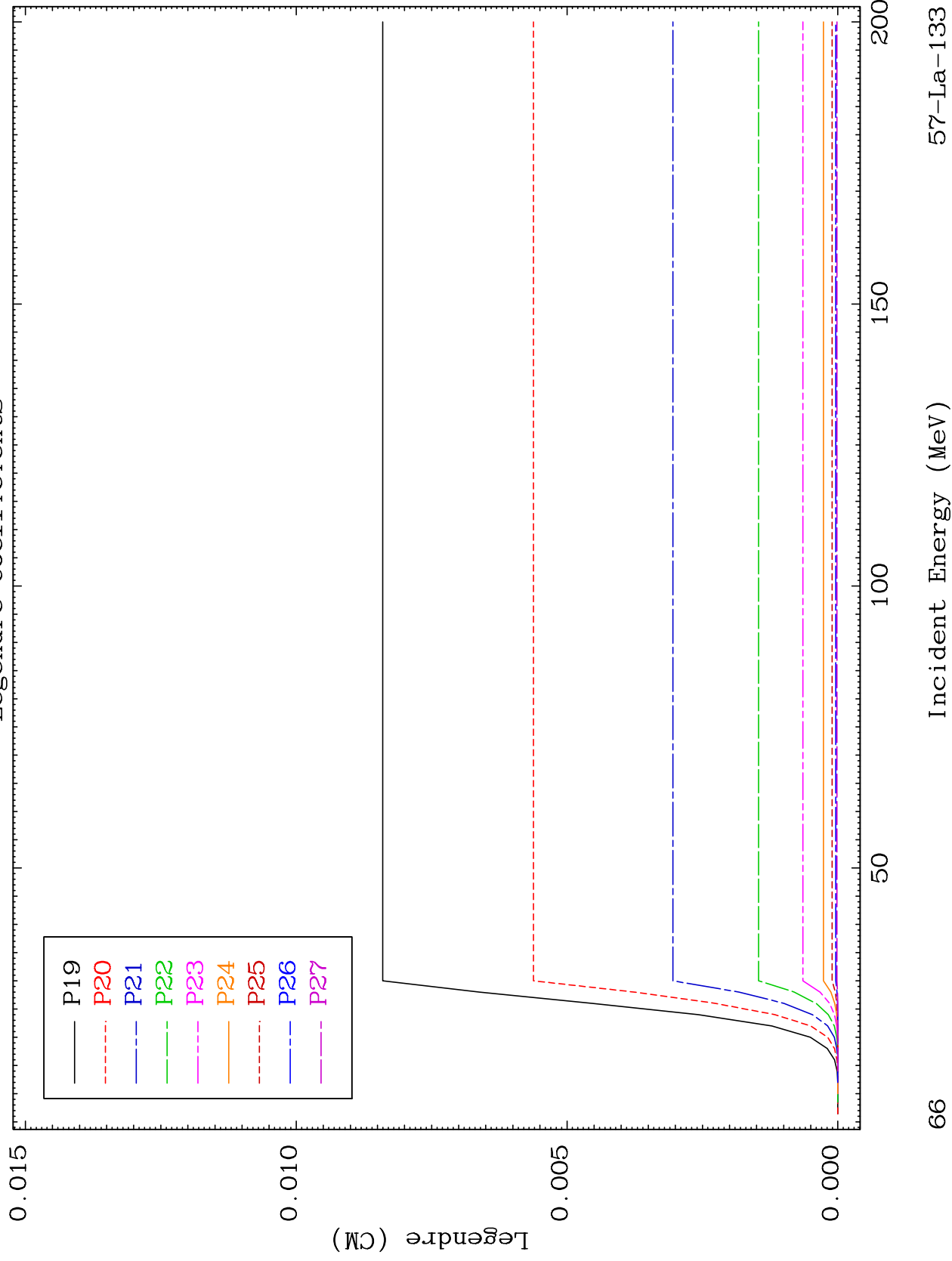
57-La-133



65

Incident Energy (MeV)

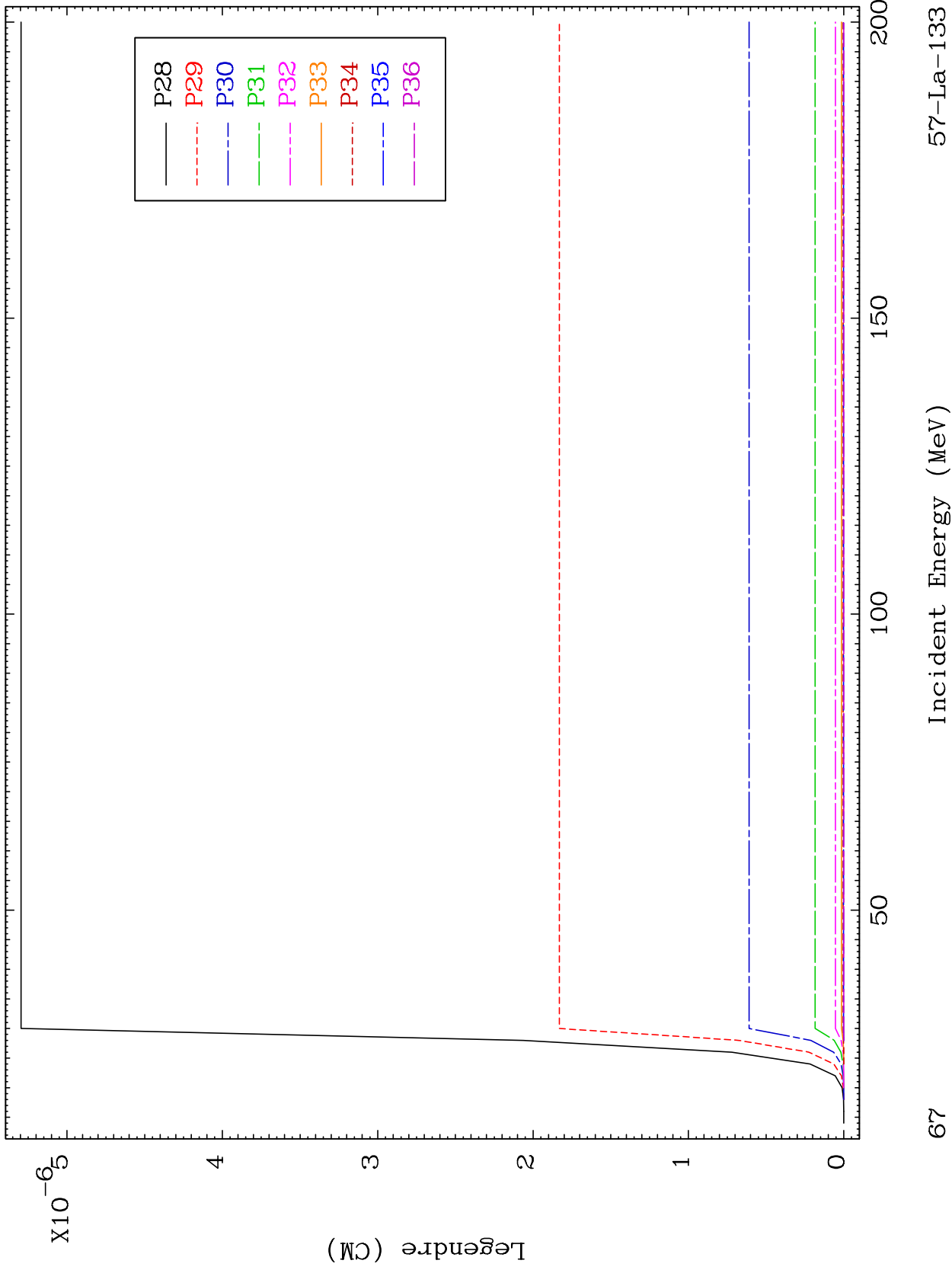
57-La-133



MAT 5710

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

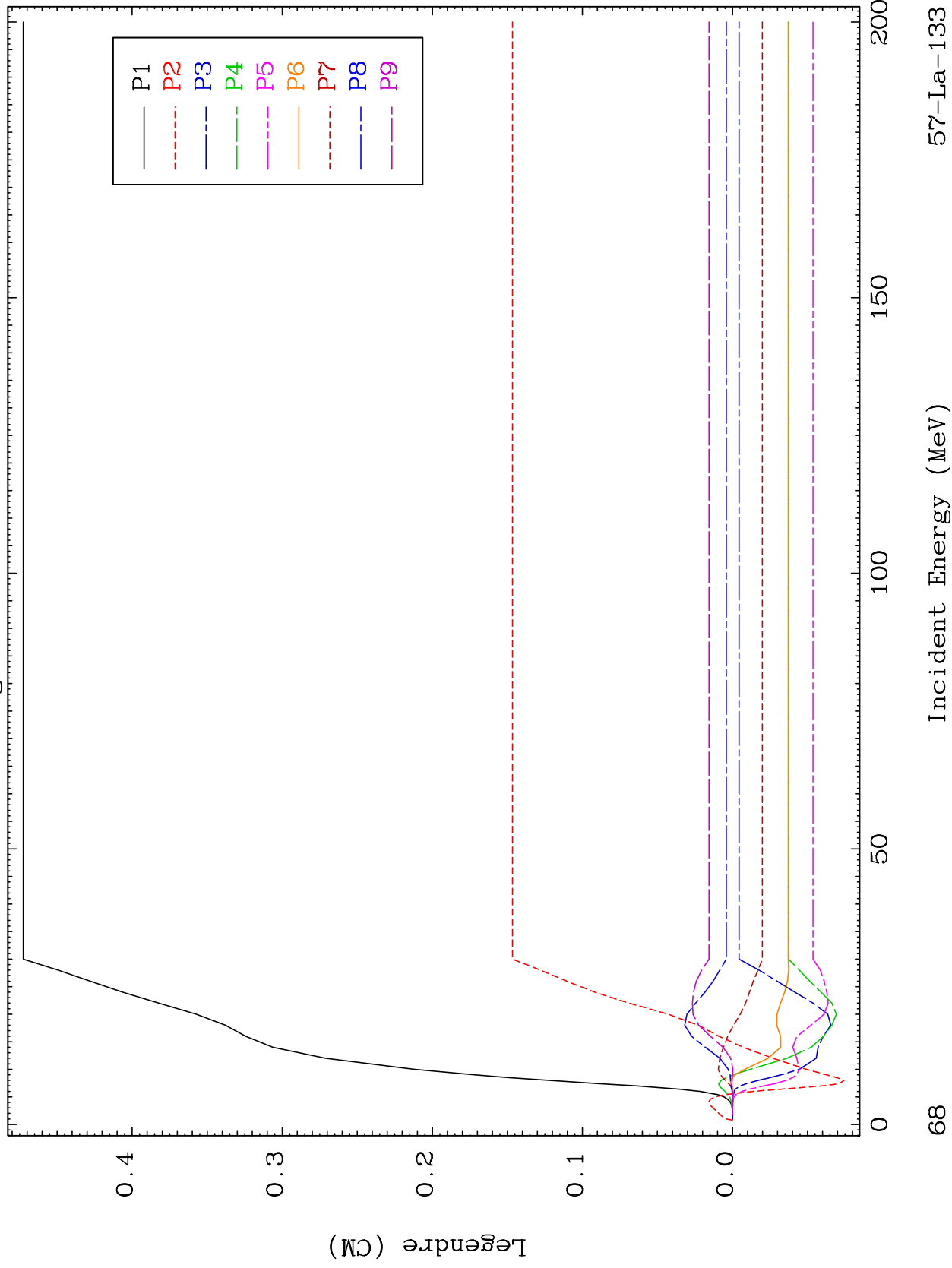
57-La-133



MAT 5710

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

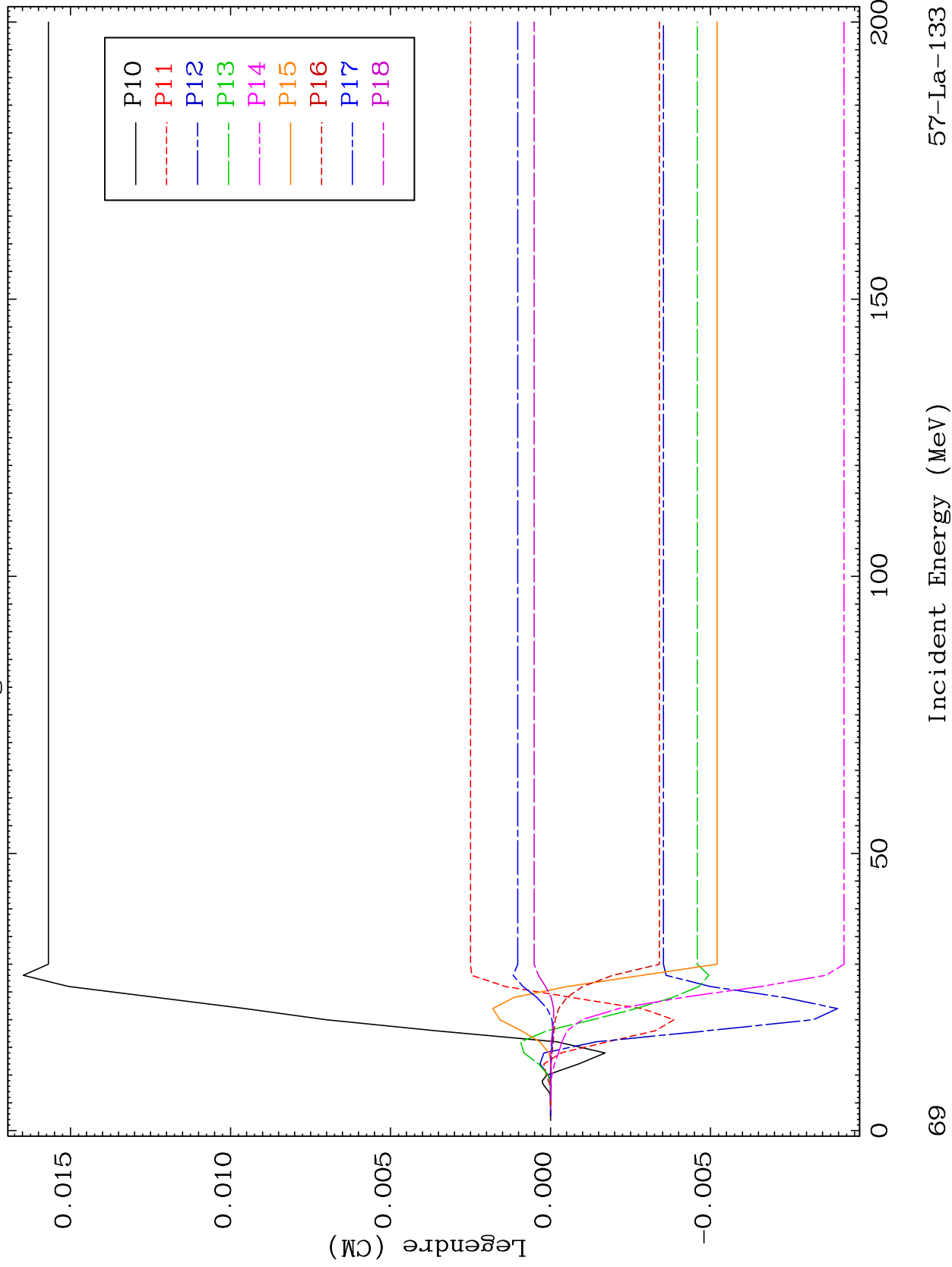
57-La-133



MAT 5710

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

57-La-133



57-La-133

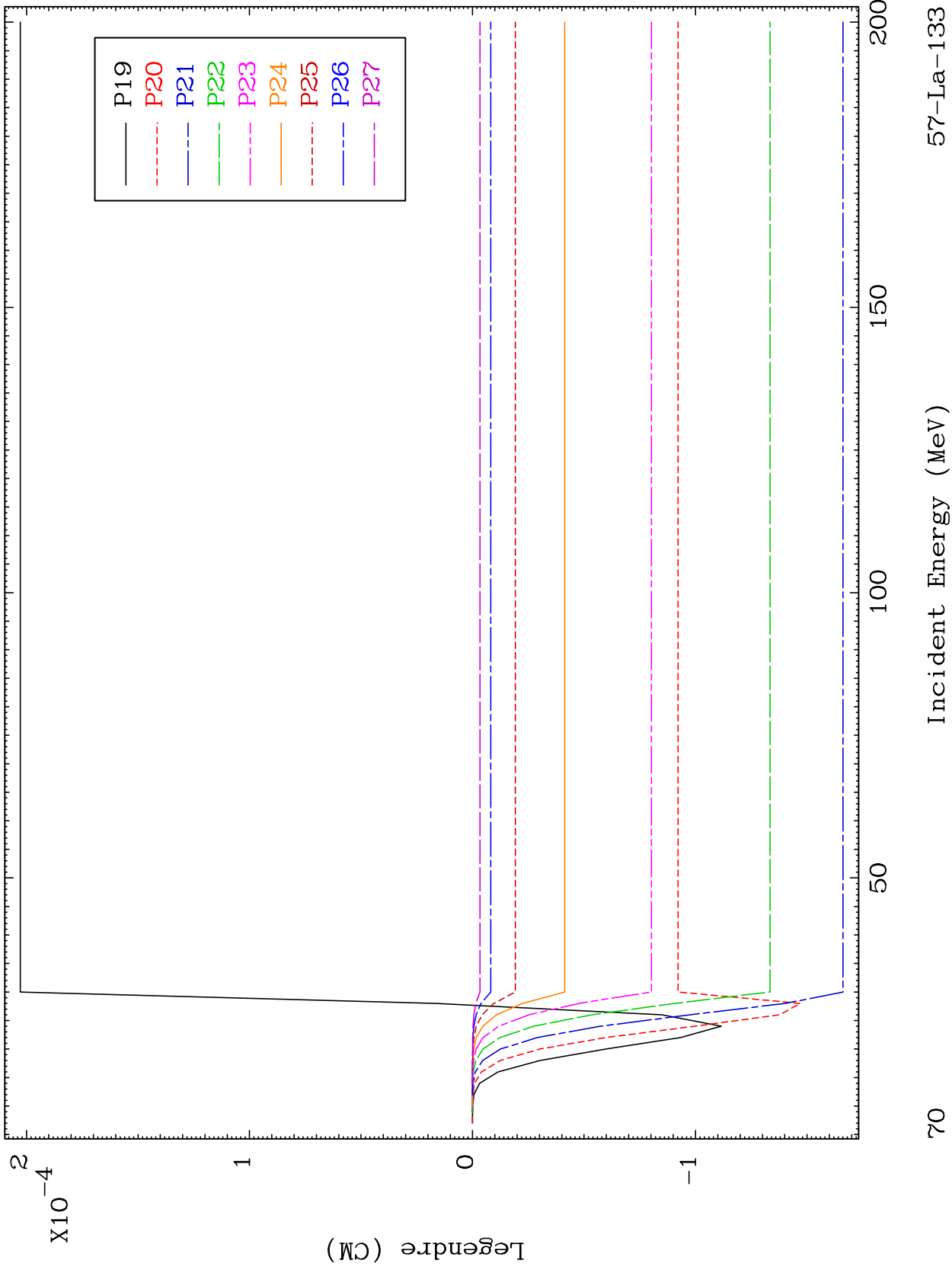
Incident Energy (MeV)

69

MAT 5710

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

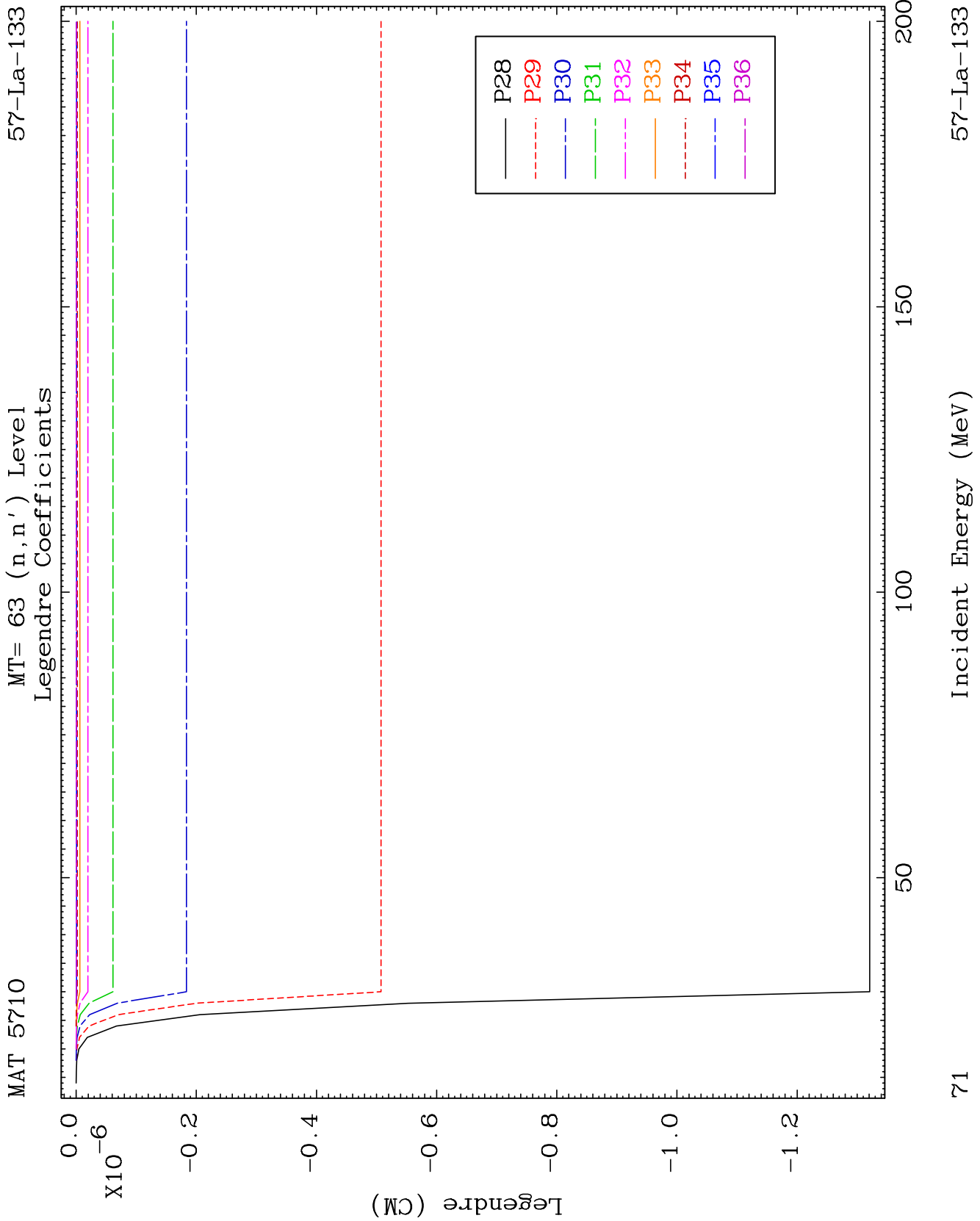
57-La-133



70

Incident Energy (MeV)

57-La-133

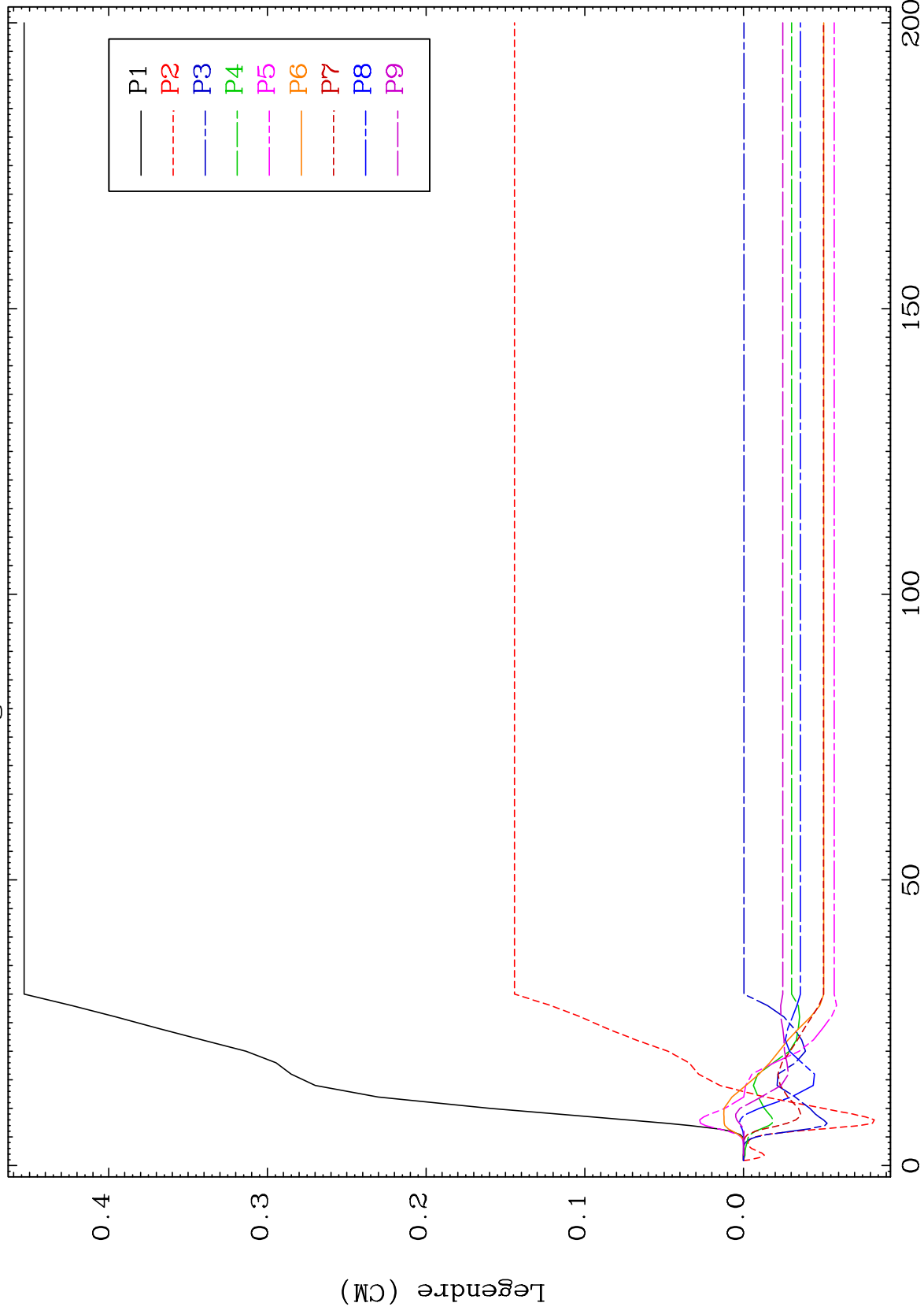




MAT 5710

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

57-La-133



72

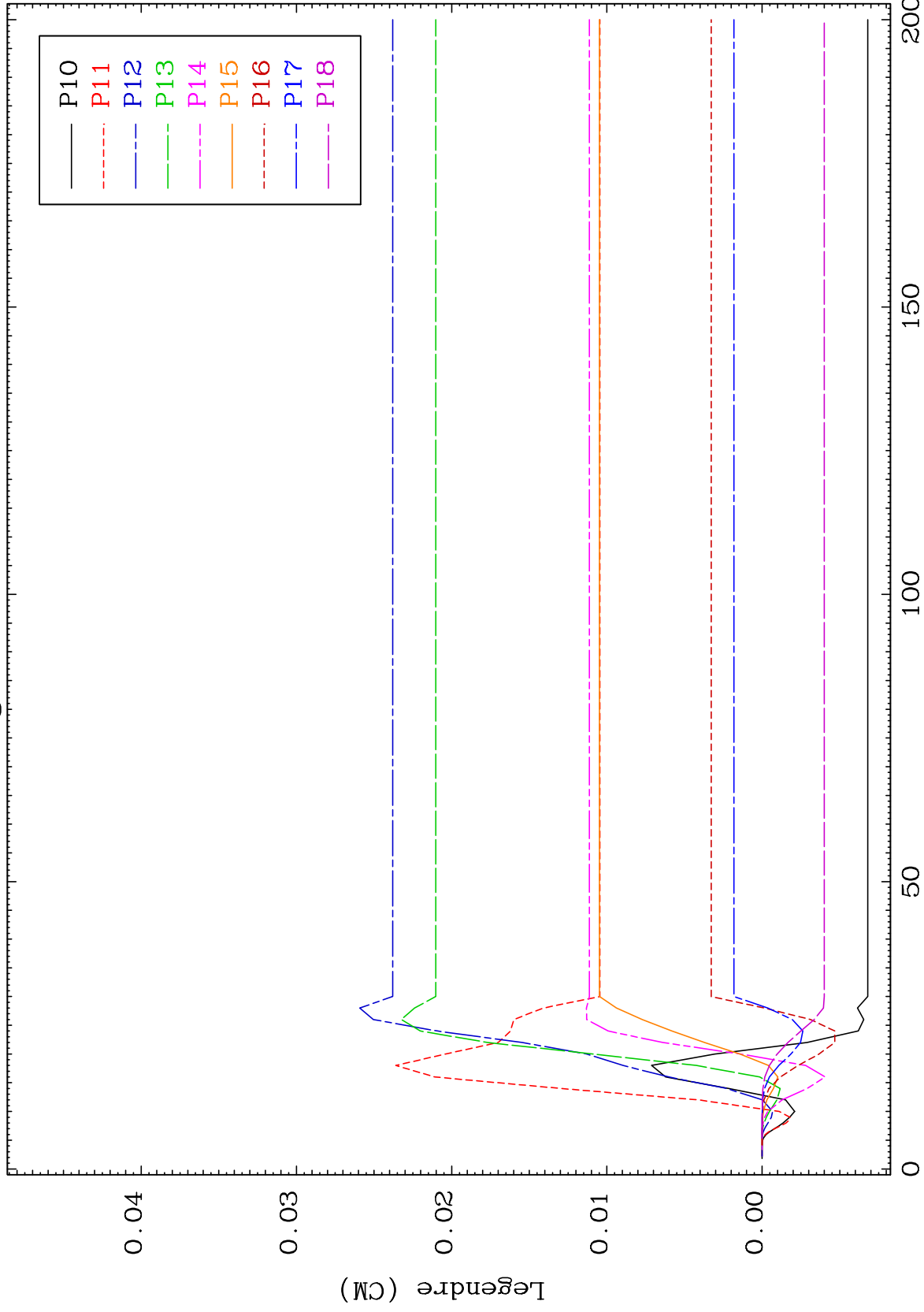
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



73

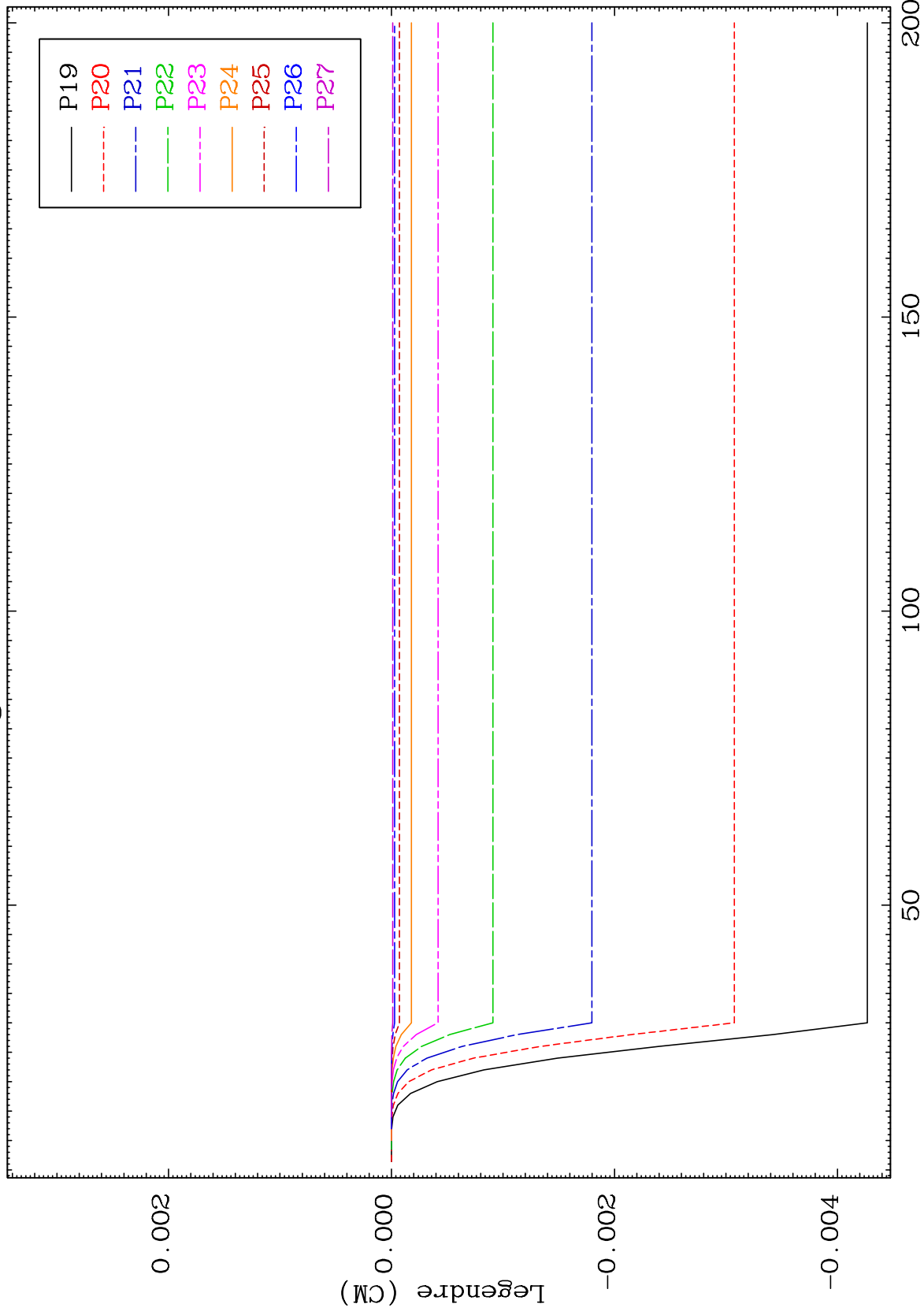
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



74

Incident Energy (MeV)

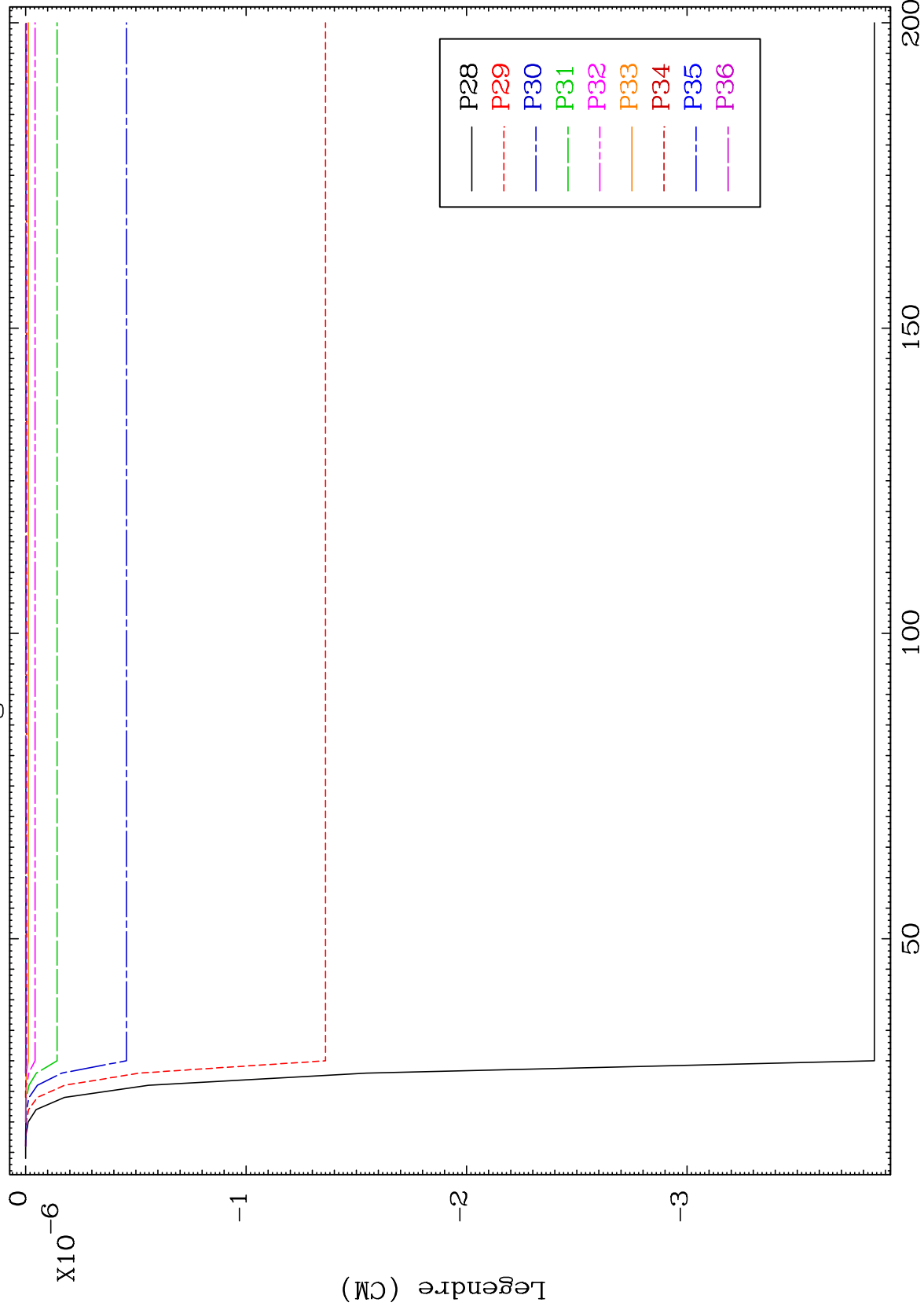
57-La-133

MAT 5710

MT= 64 (n,n') Level

57-La-133

Legendre Coefficients



75

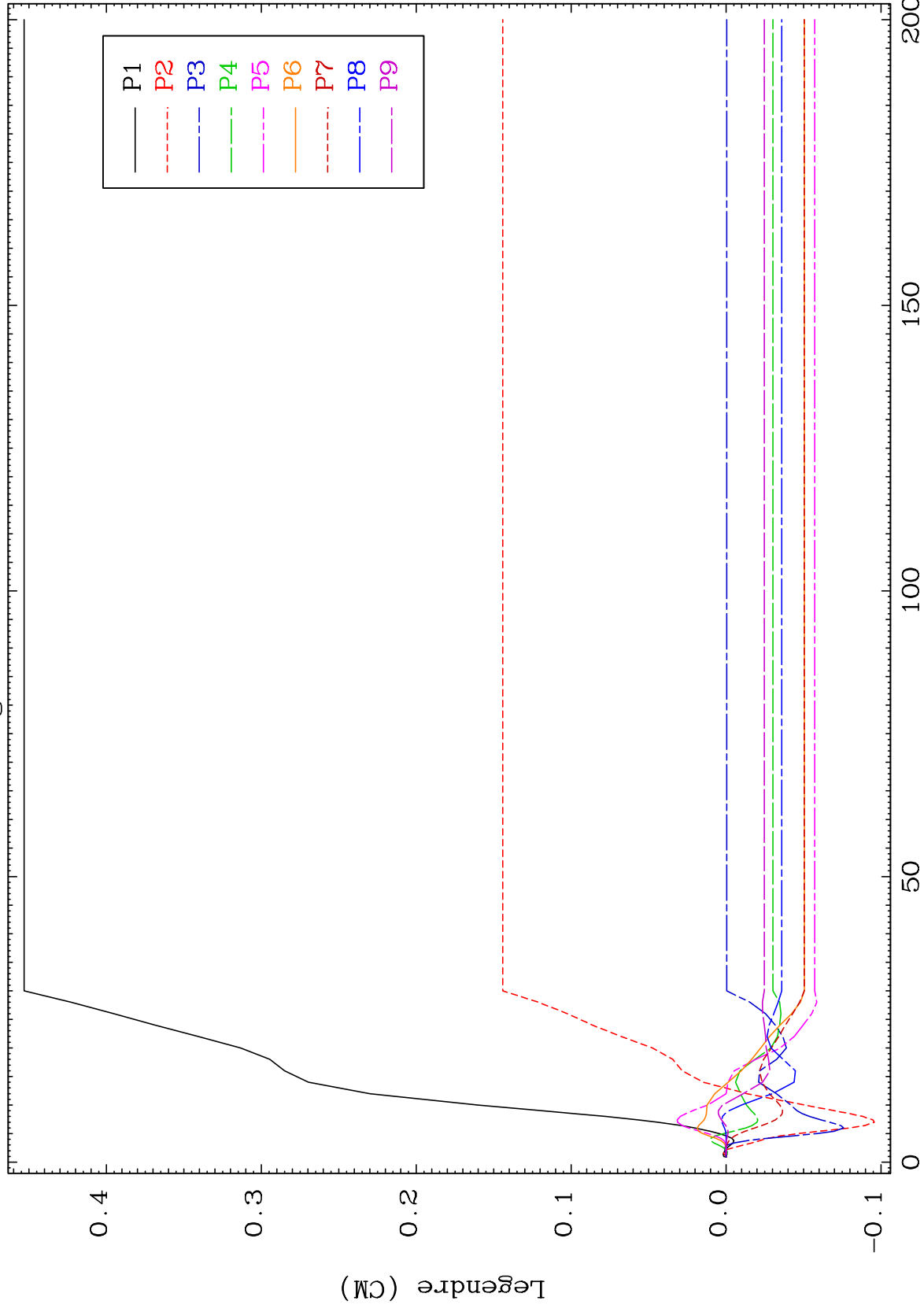
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



76

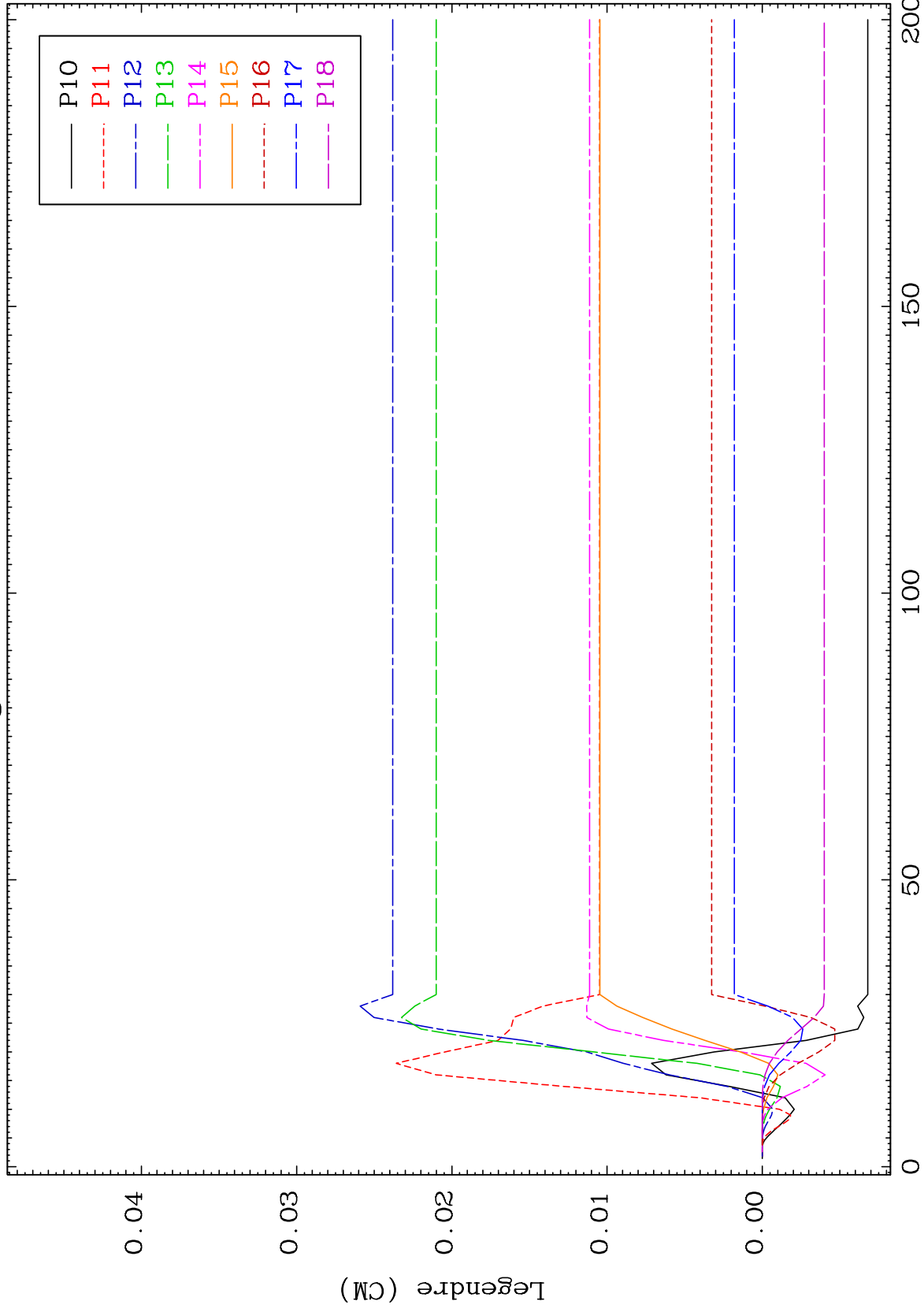
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



77

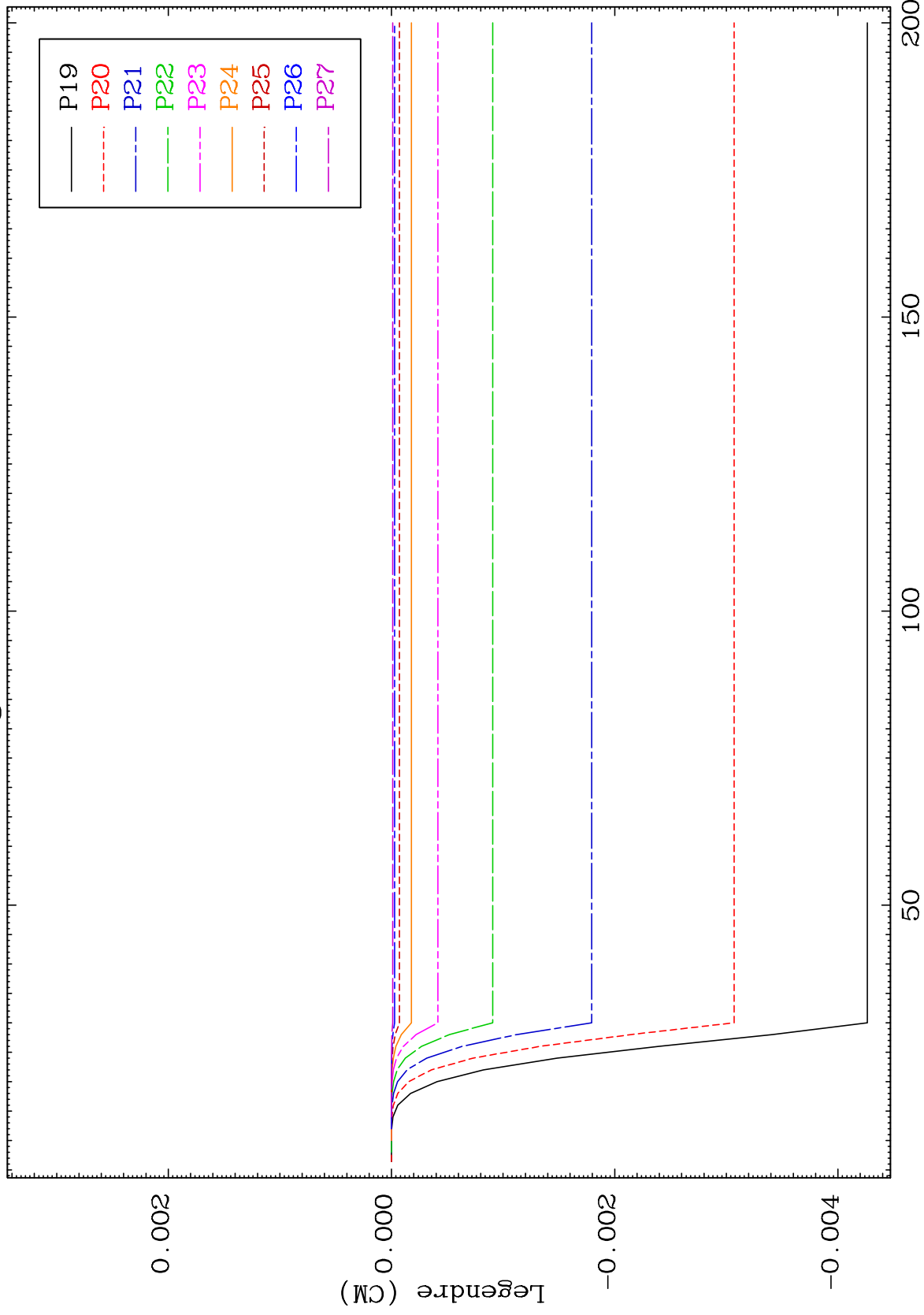
Incident Energy (MeV)

57-La-133

MAT 5710

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

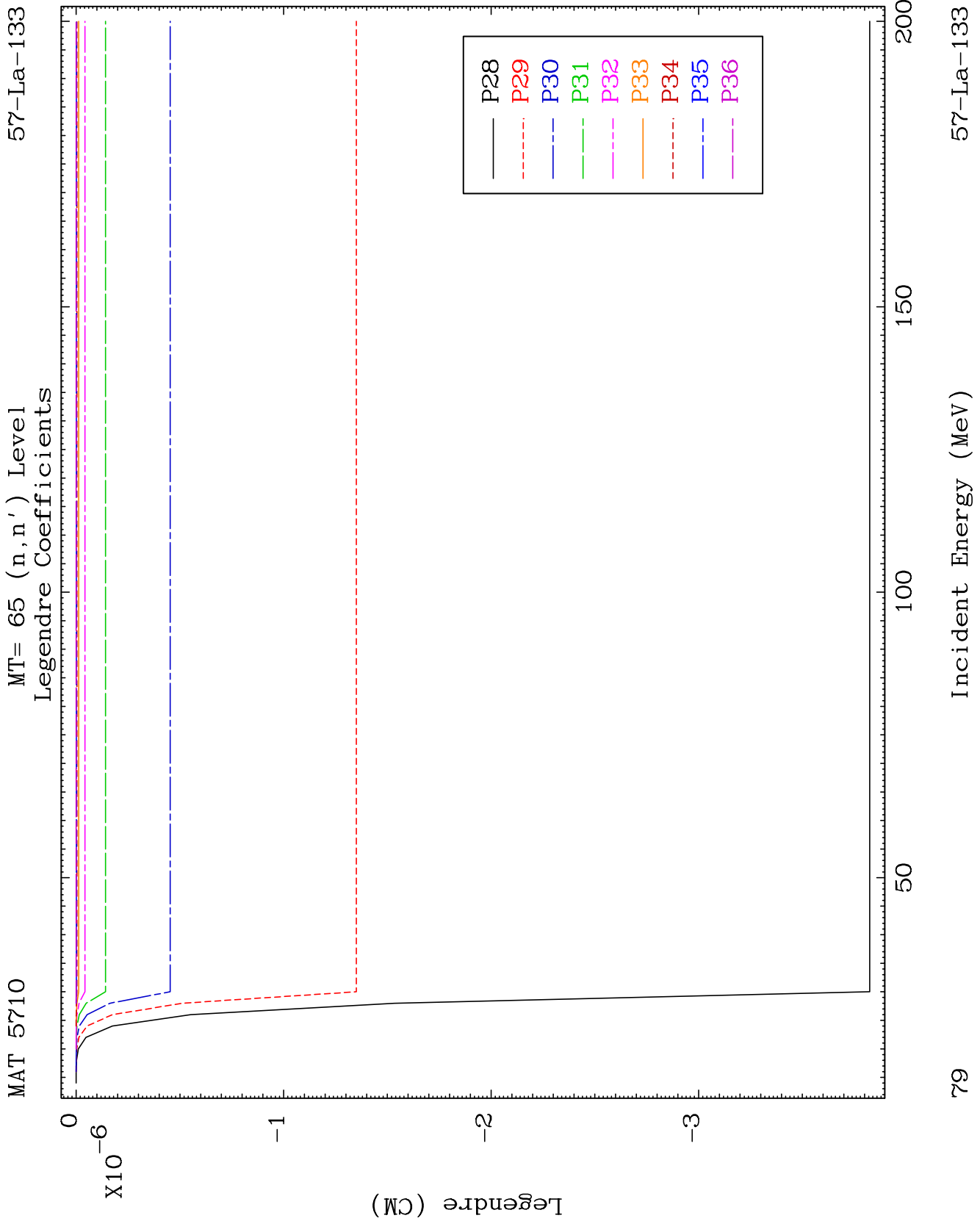
57-La-133



78

Incident Energy (MeV)

57-La-133

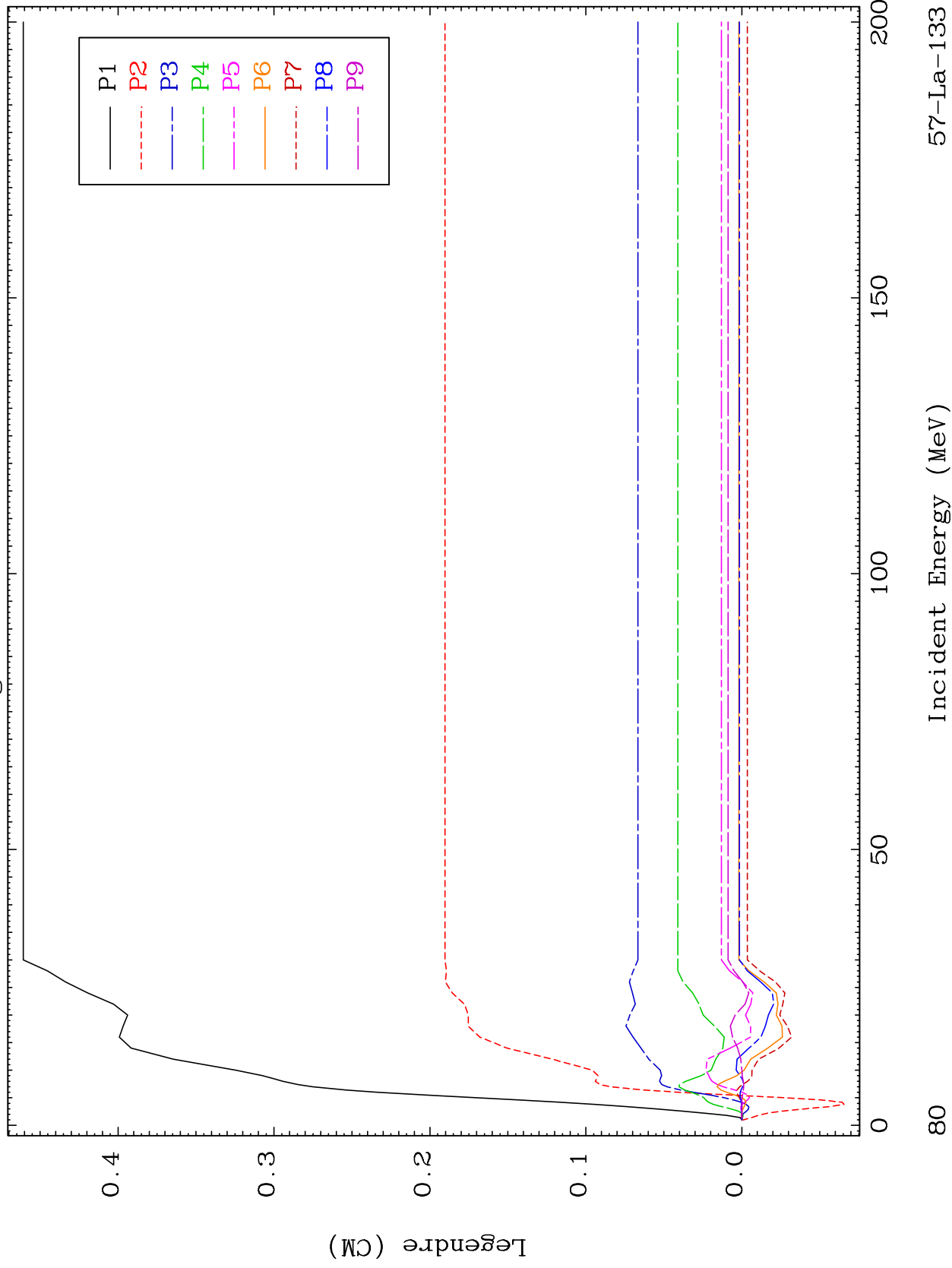




MAT 5710

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

57-La-133



57-La-133

Incident Energy (MeV)

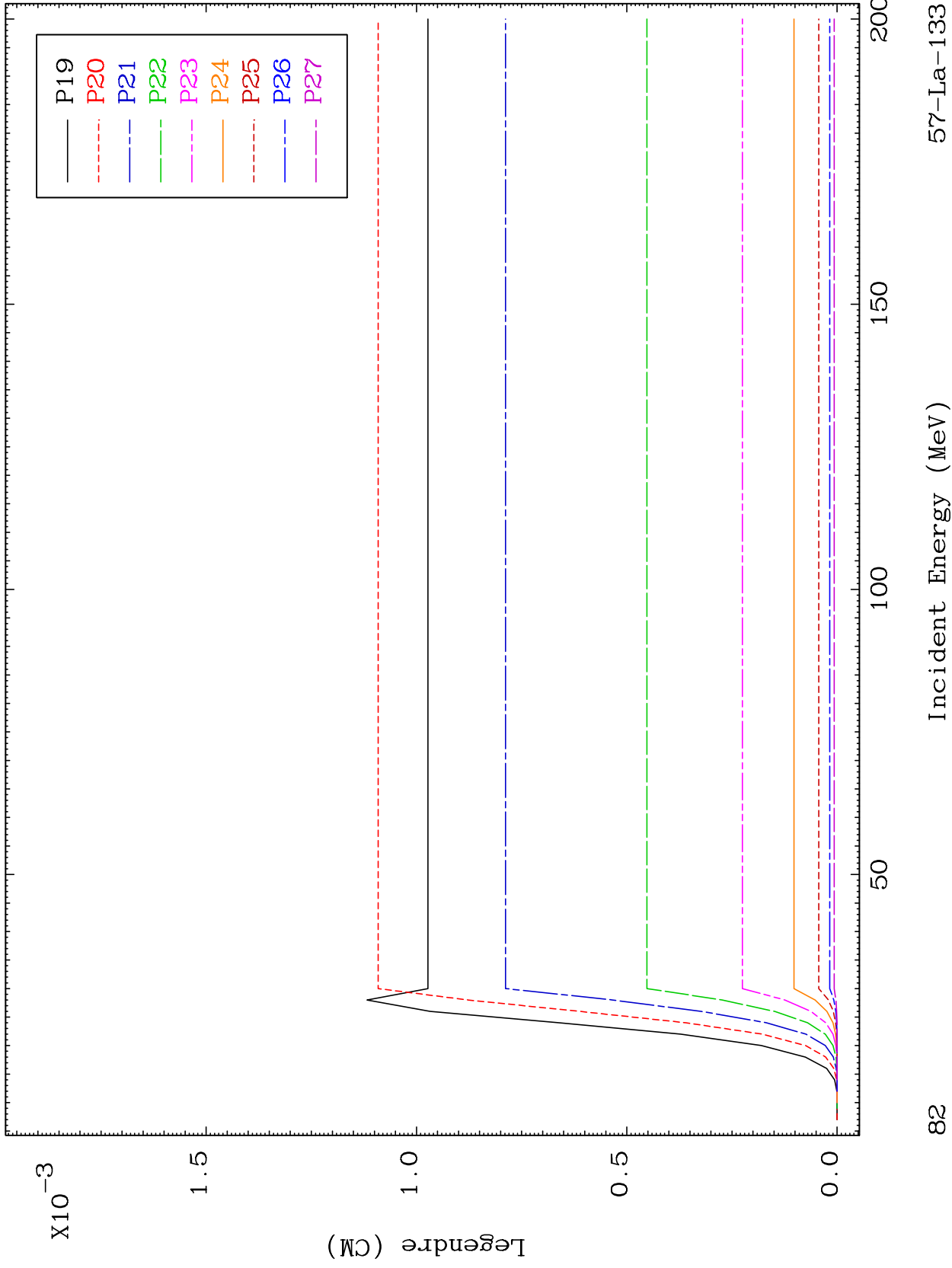
80



MAT 5710

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

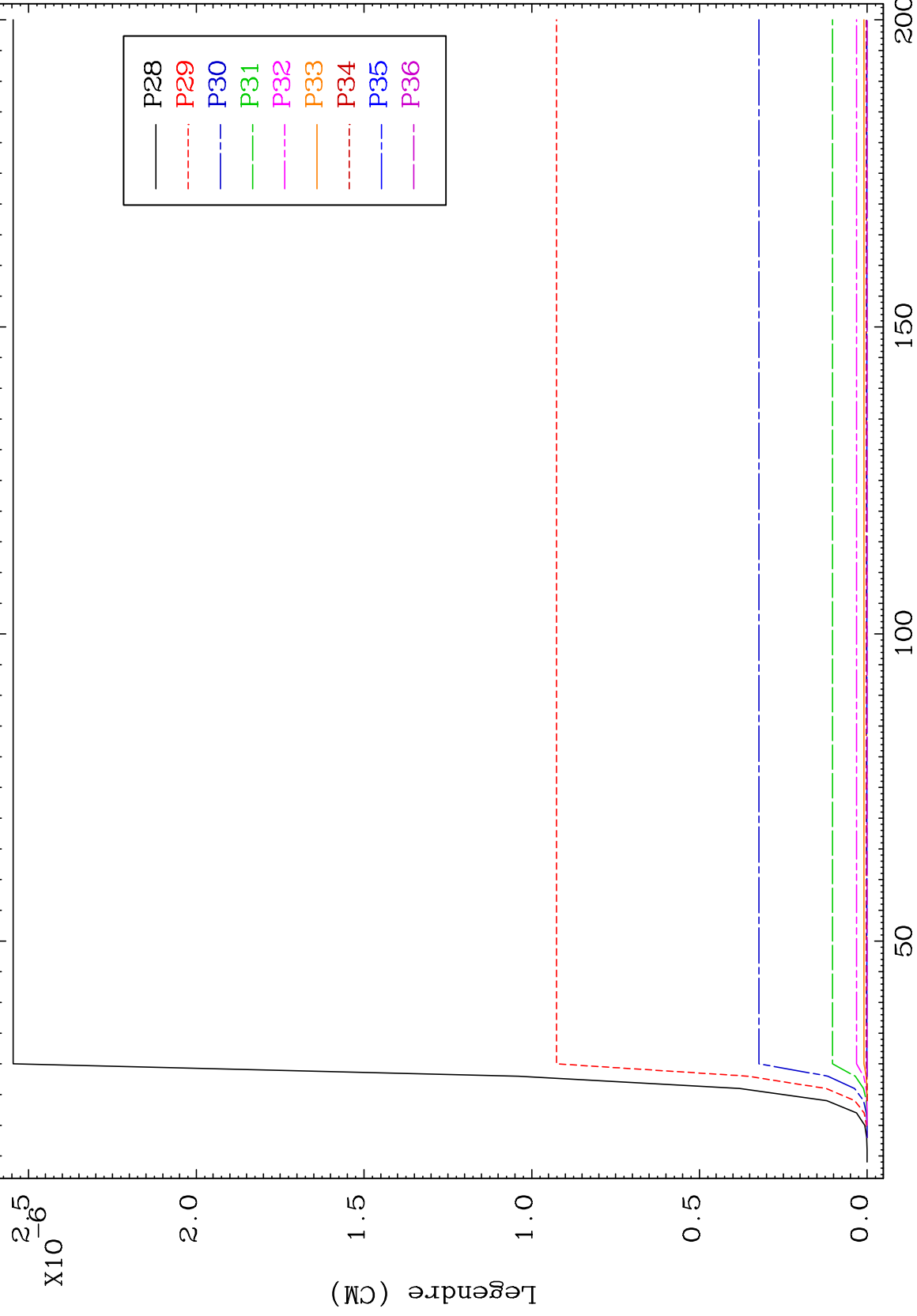
57-La-133



MAT 5710

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

57-La-133



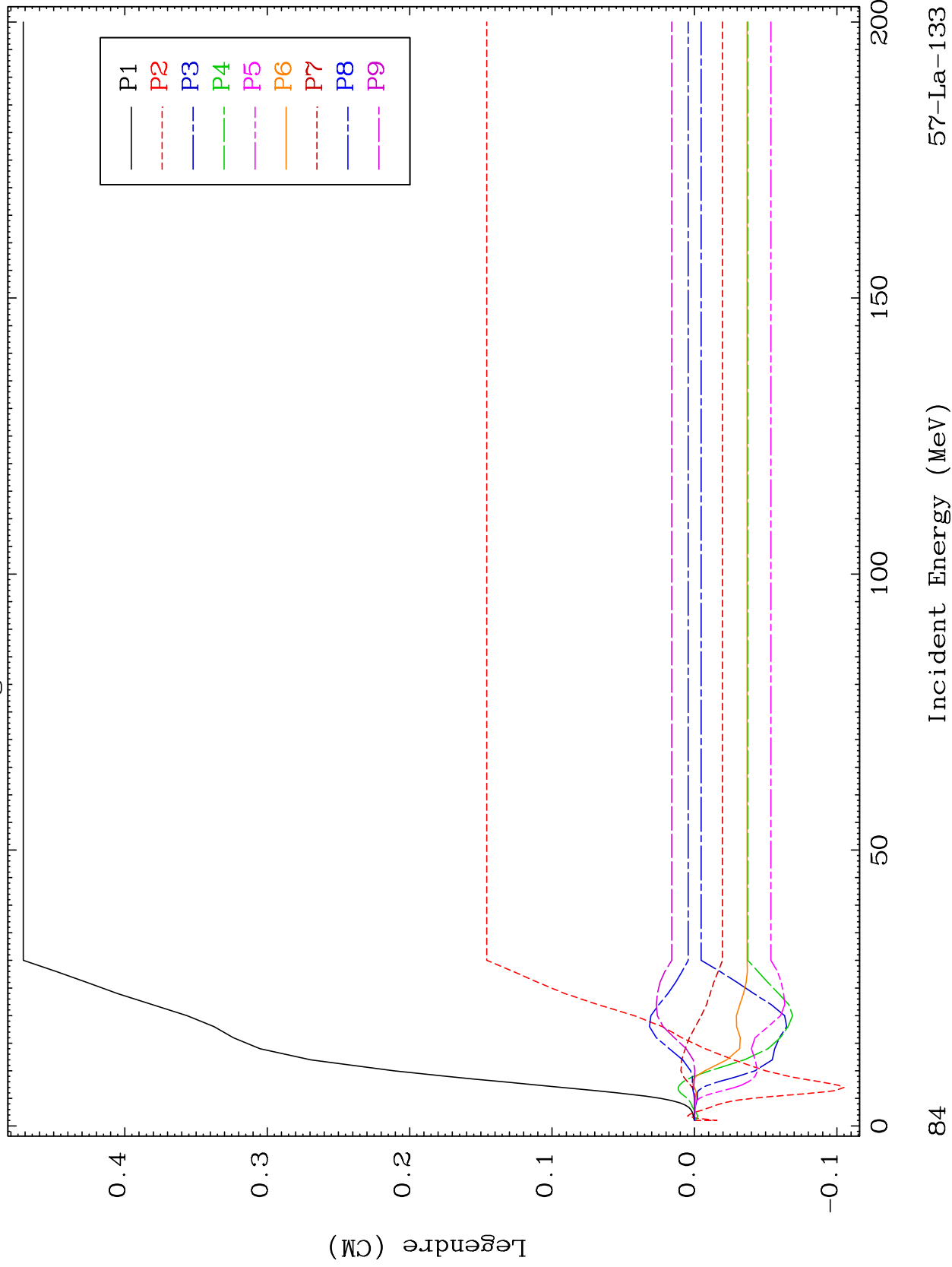
83

57-La-133

MAT 5710

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

57-La-133



57-La-133

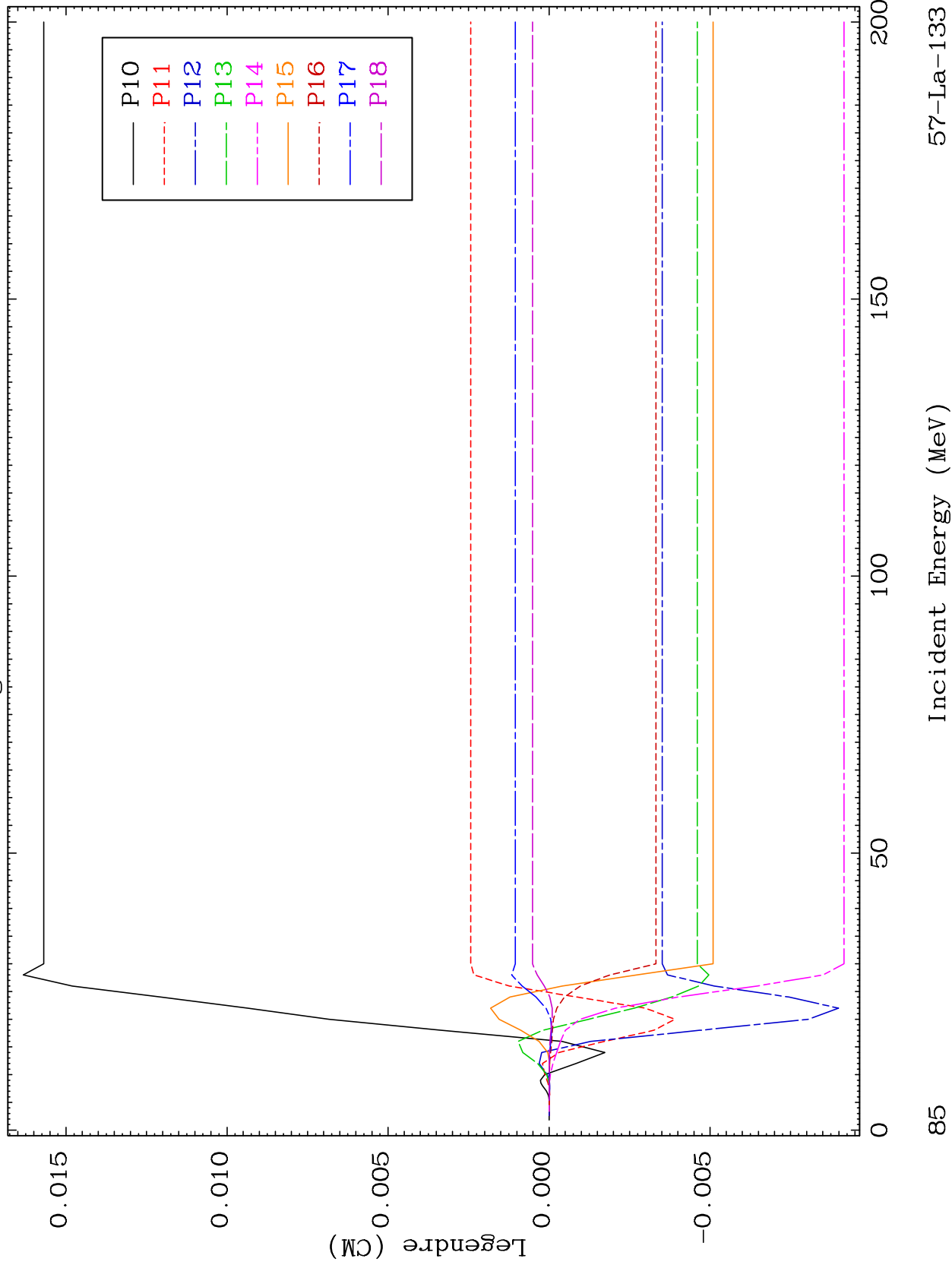
Incident Energy (MeV)

84

MAT 5710

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

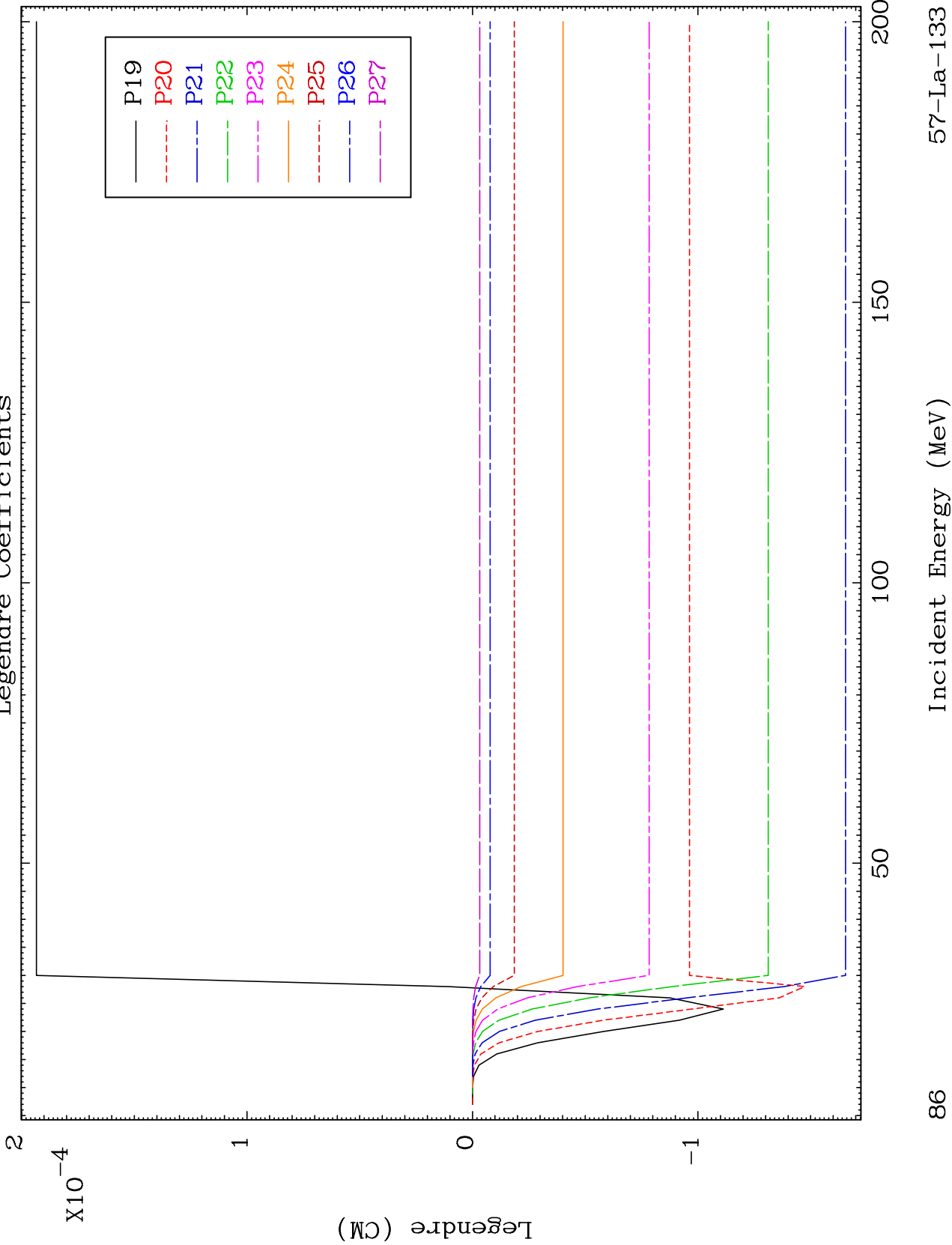
57-La-133

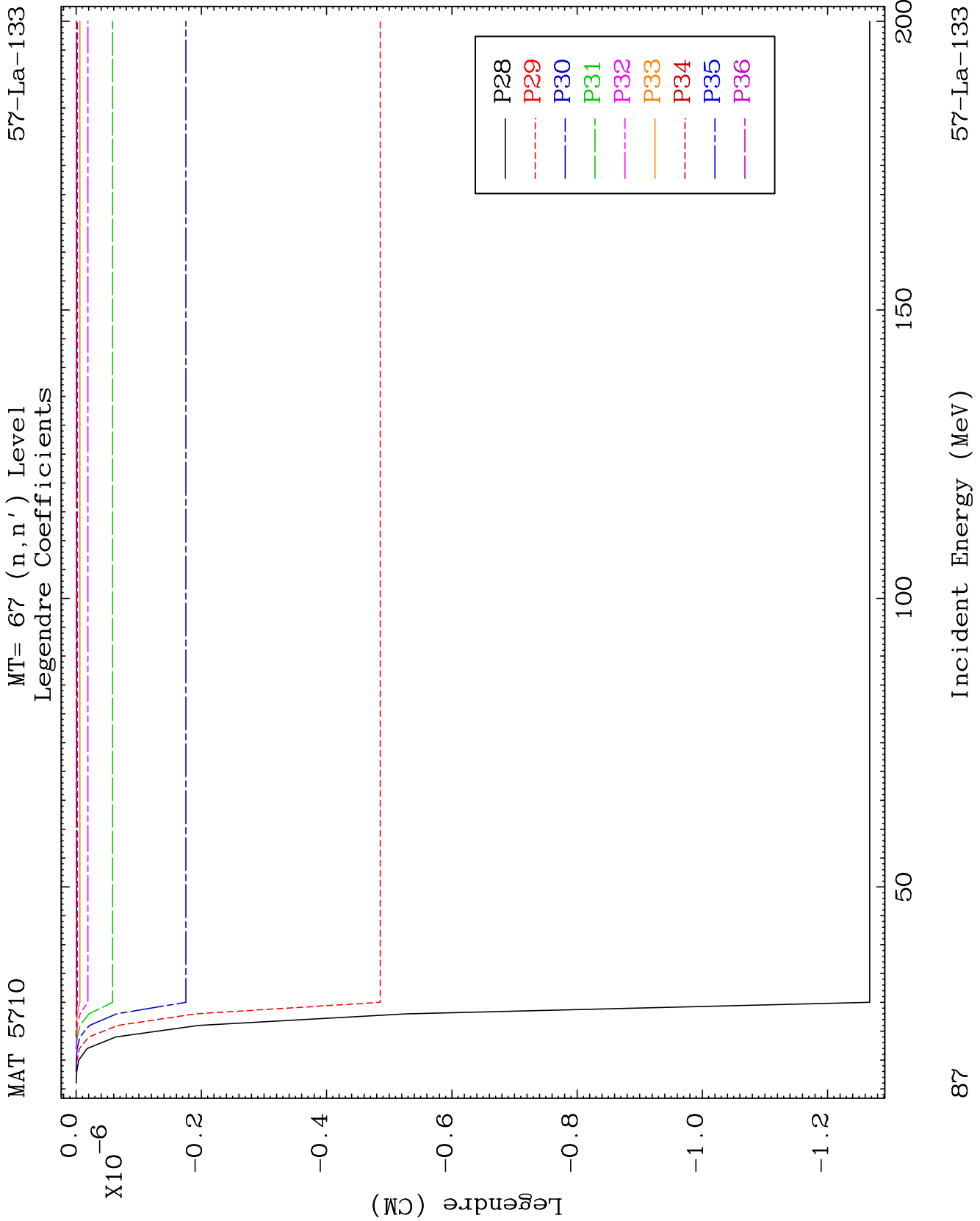


57-La-133

Incident Energy (MeV)

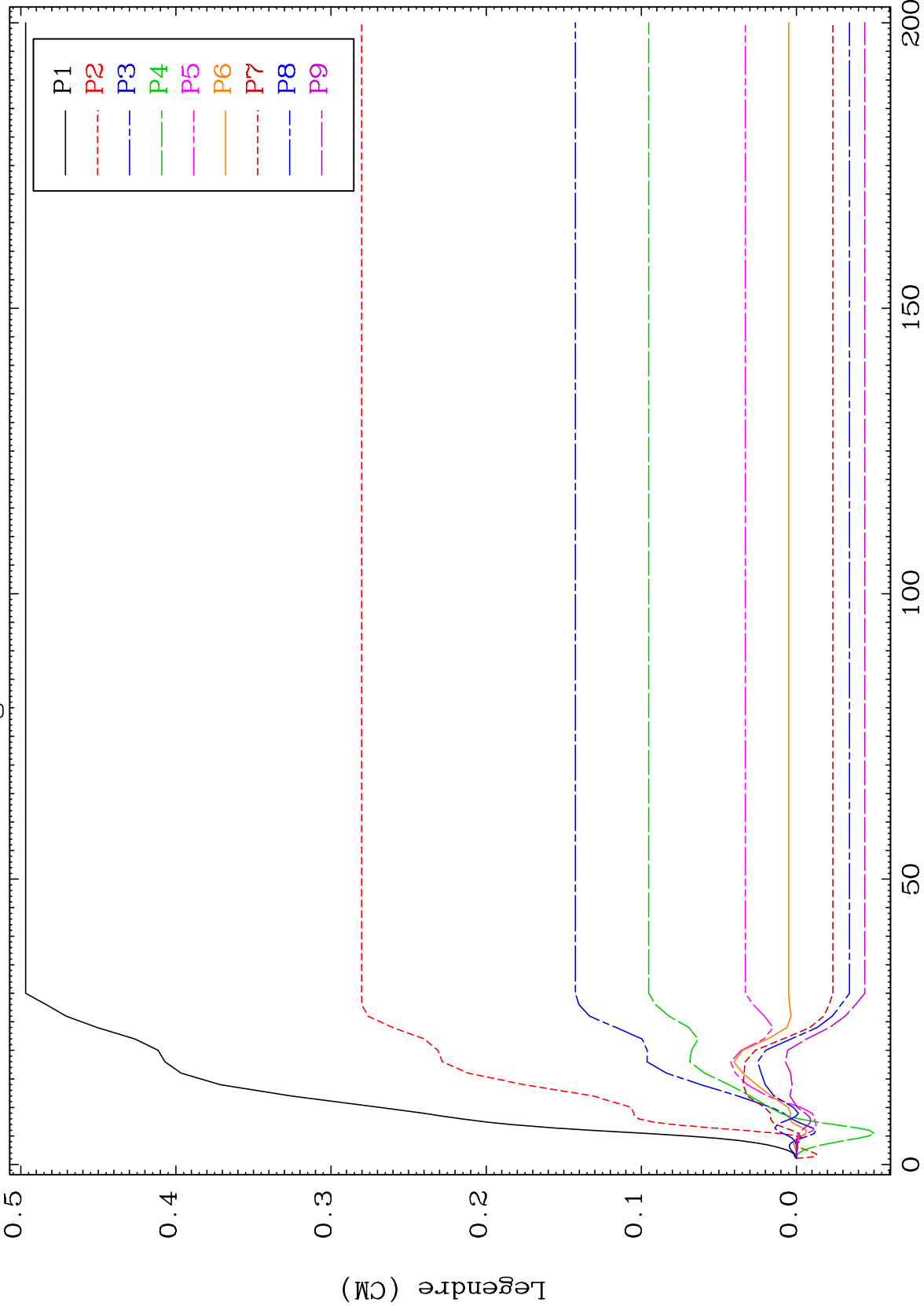
85

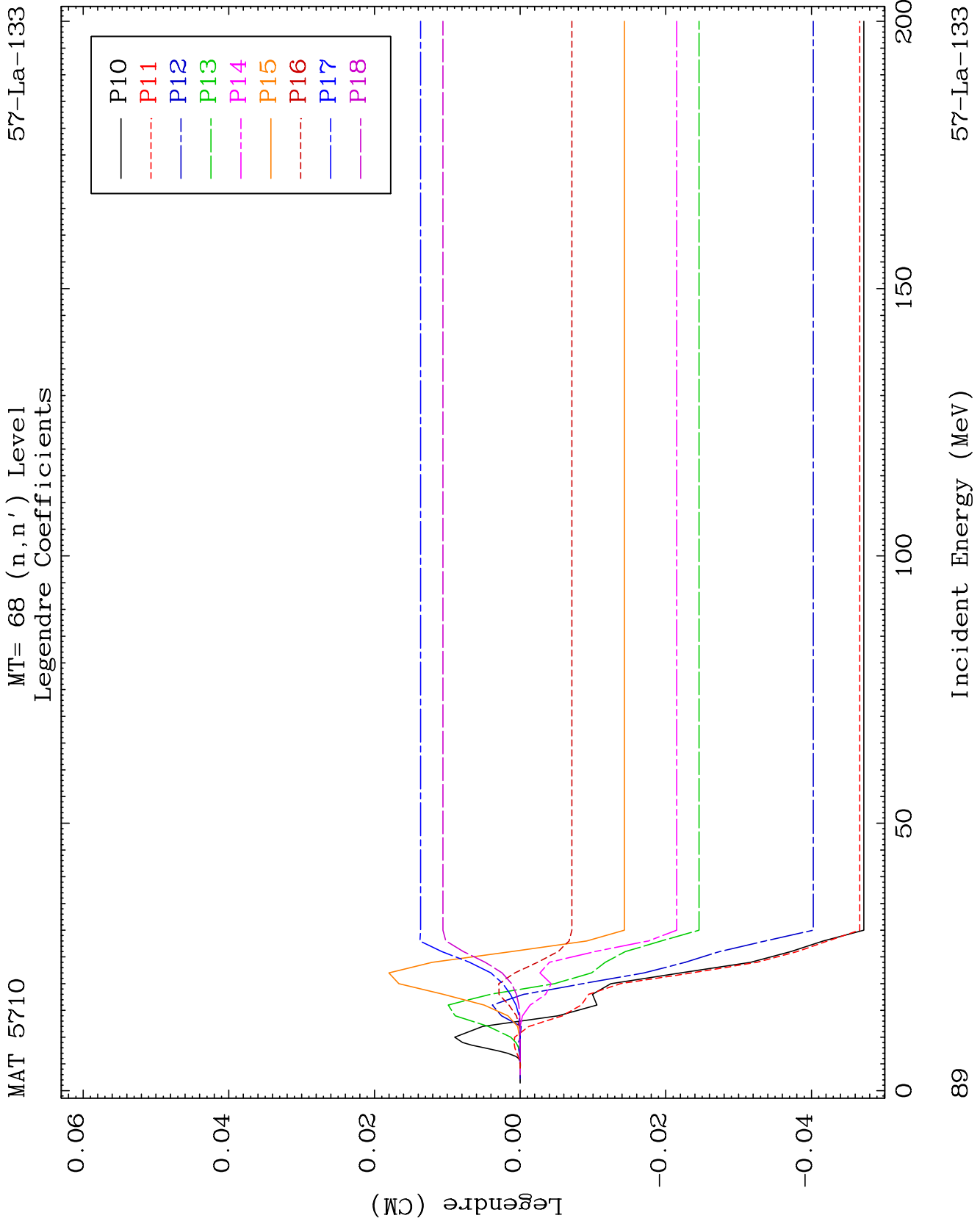






Legendre Coefficients

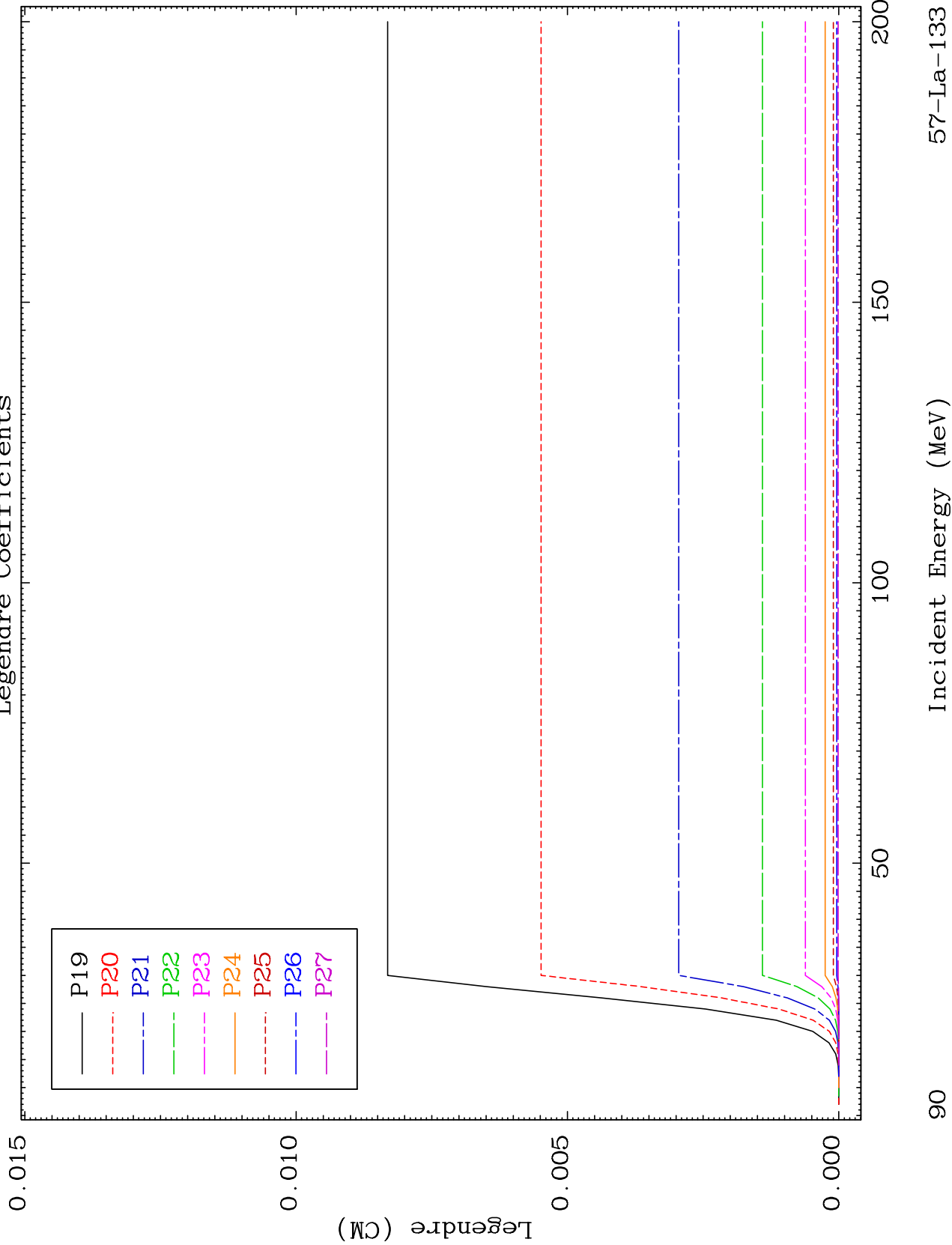




MAT 5710

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

57-La-133



57-La-133

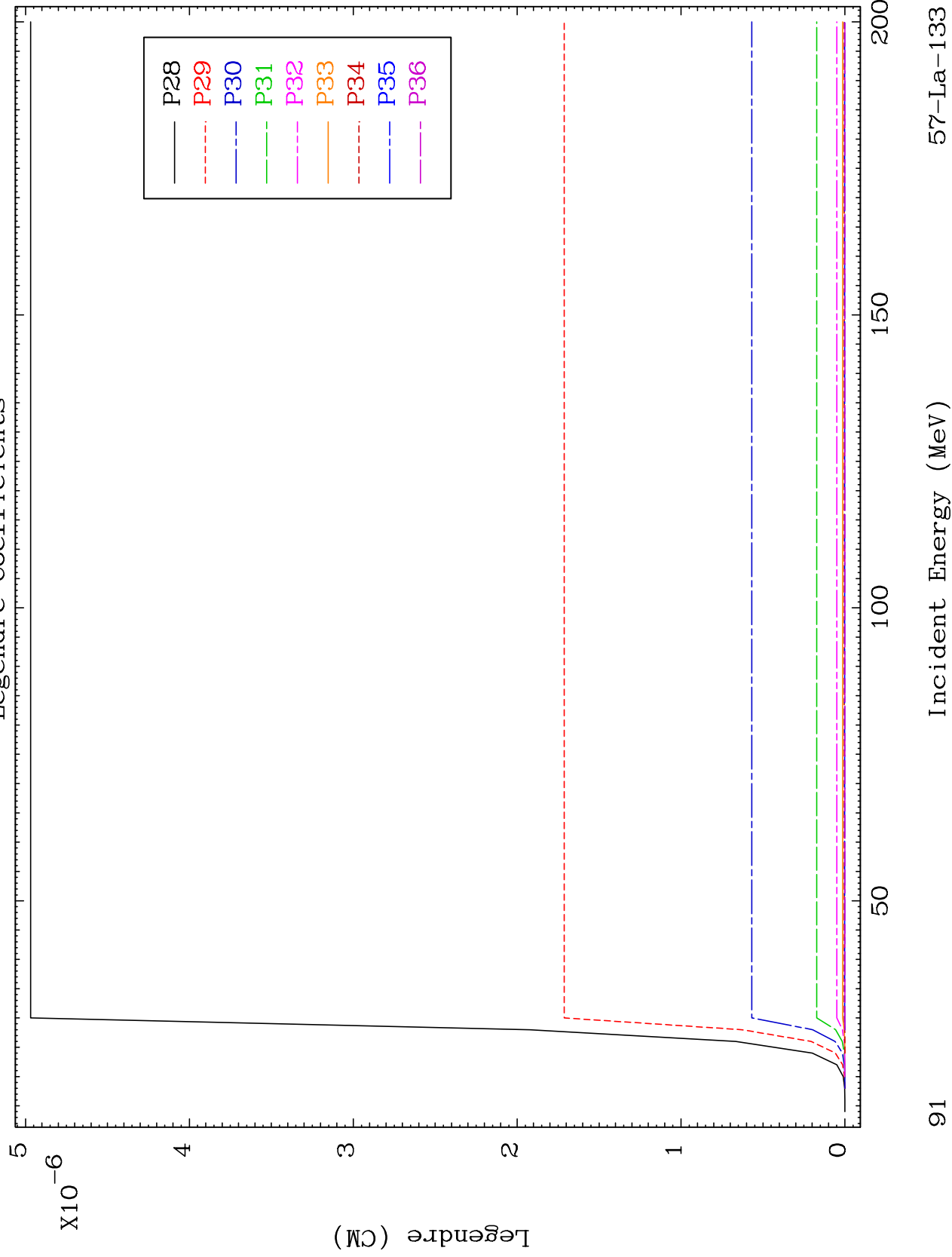
Incident Energy (MeV)

90

MAT 5710

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

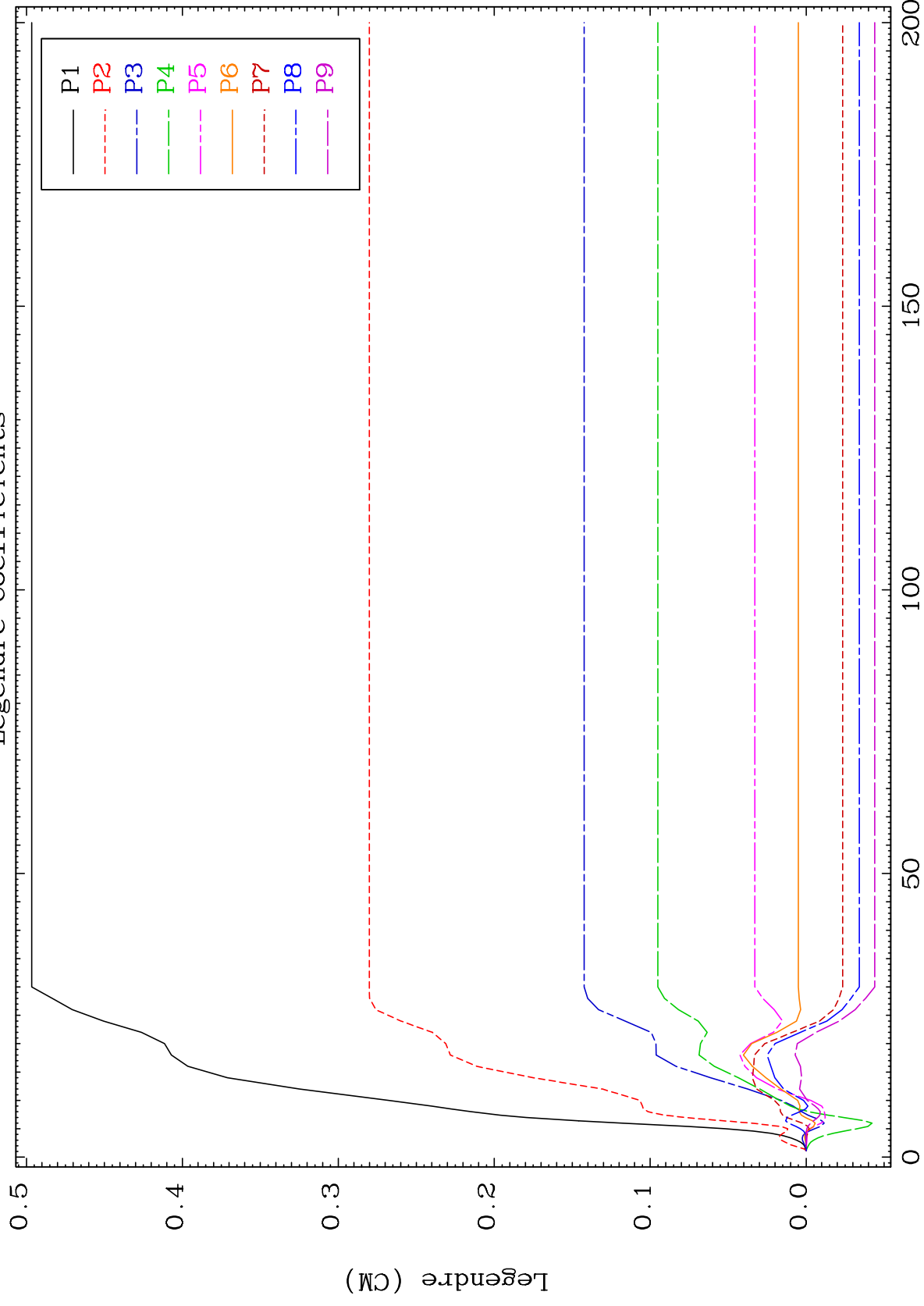
57-La-133



MAT 5710

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

57-La-133



92

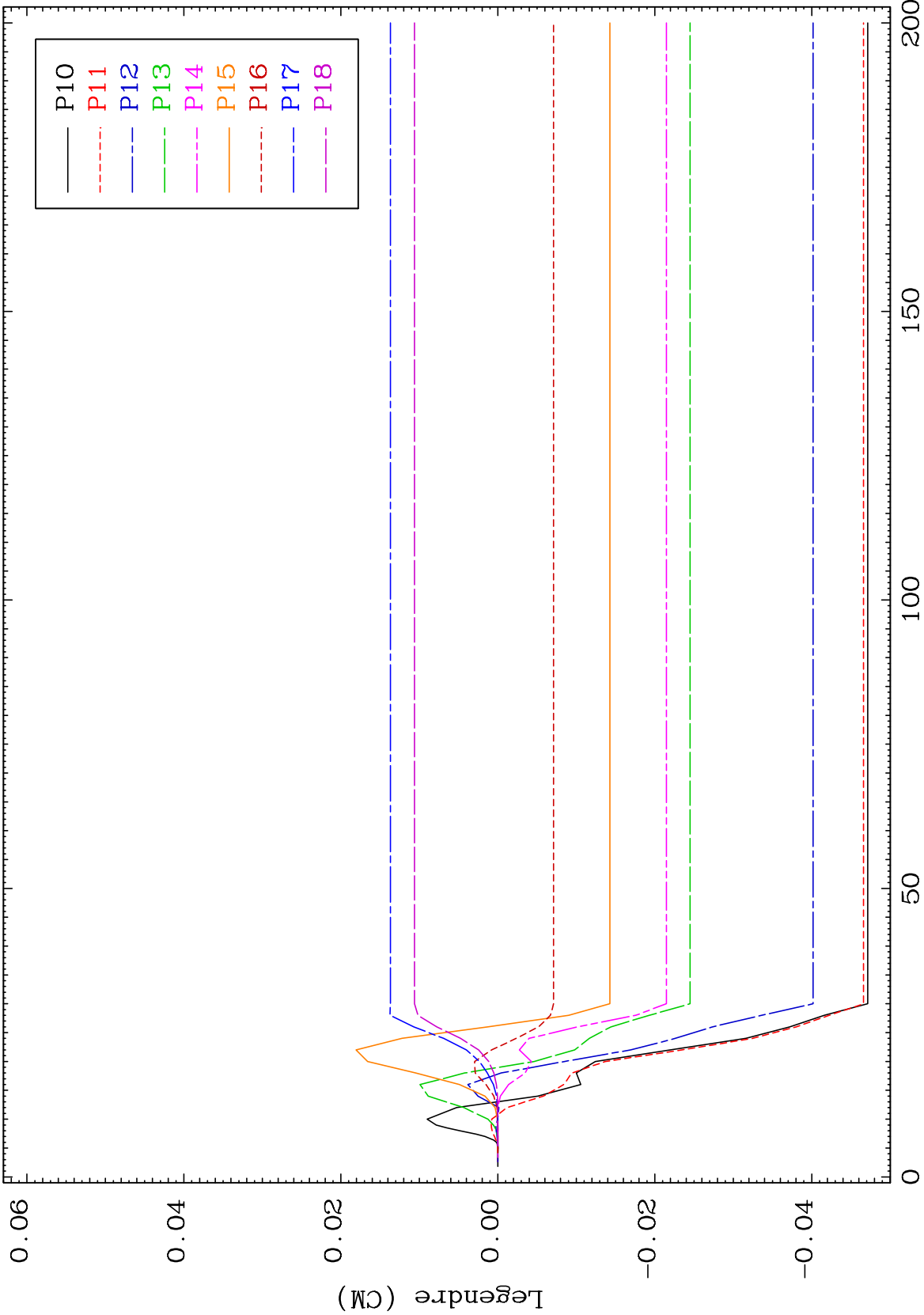
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



93

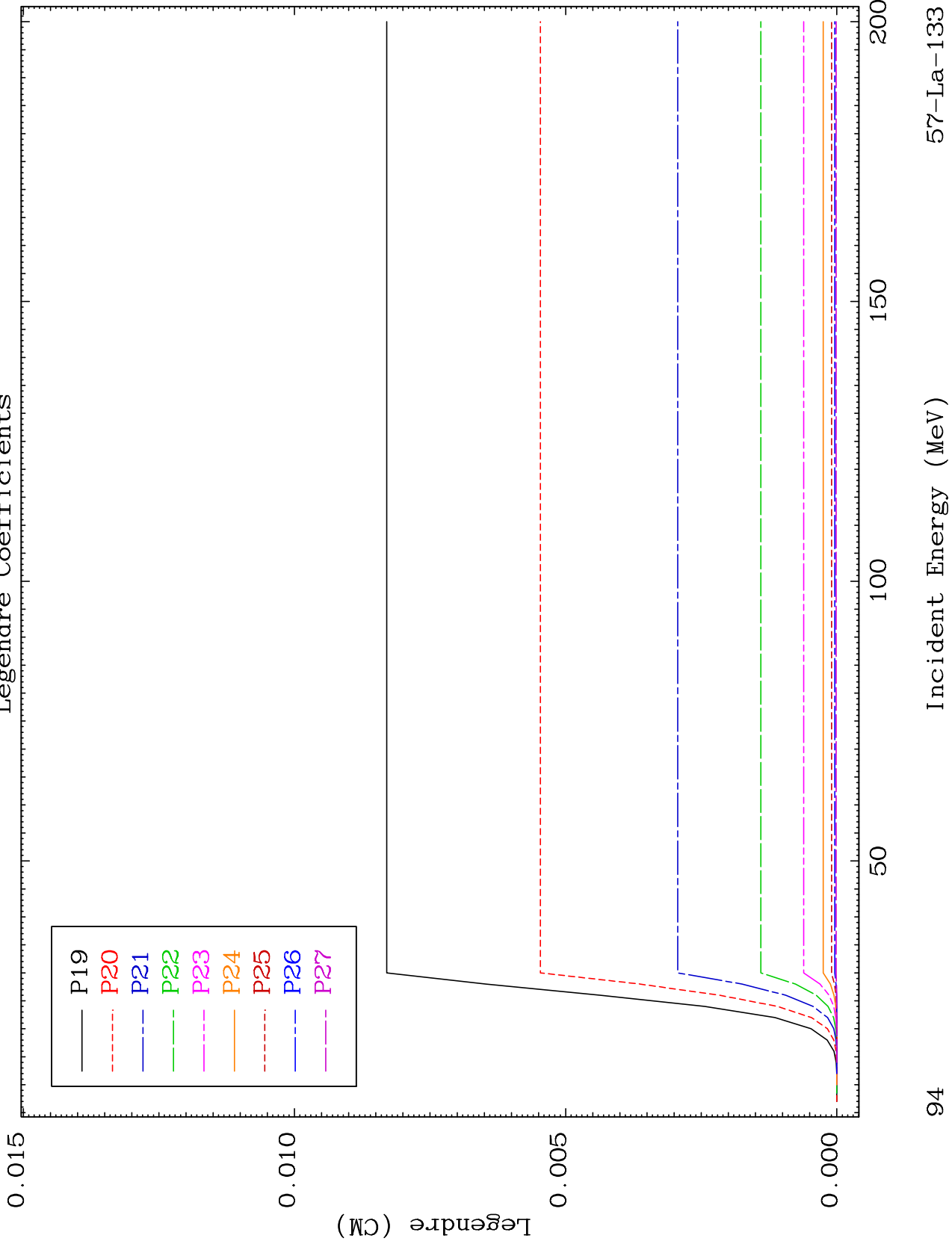
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



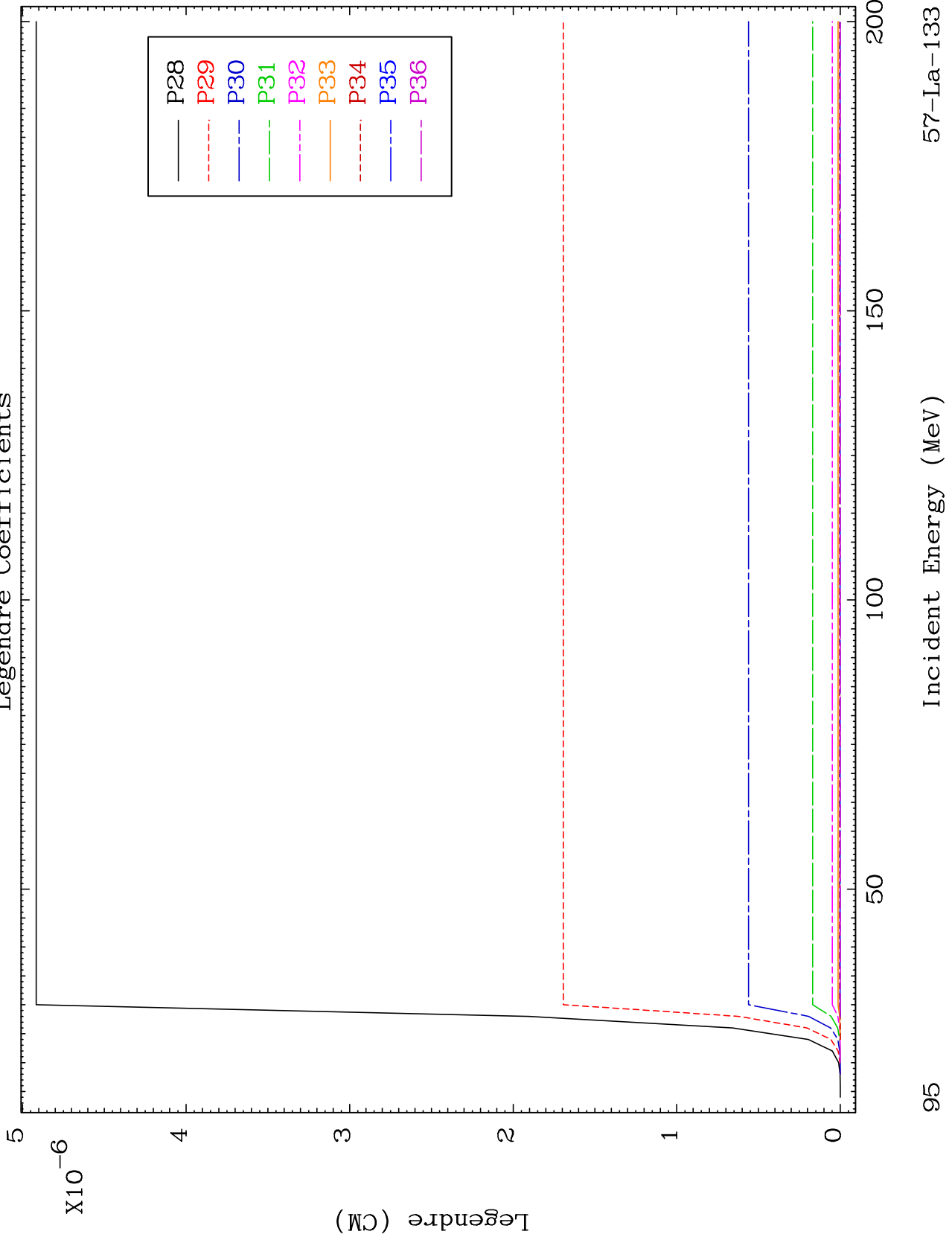
94

57-La-133

MAT 5710

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

57-La-133



57-La-133

Incident Energy (MeV)

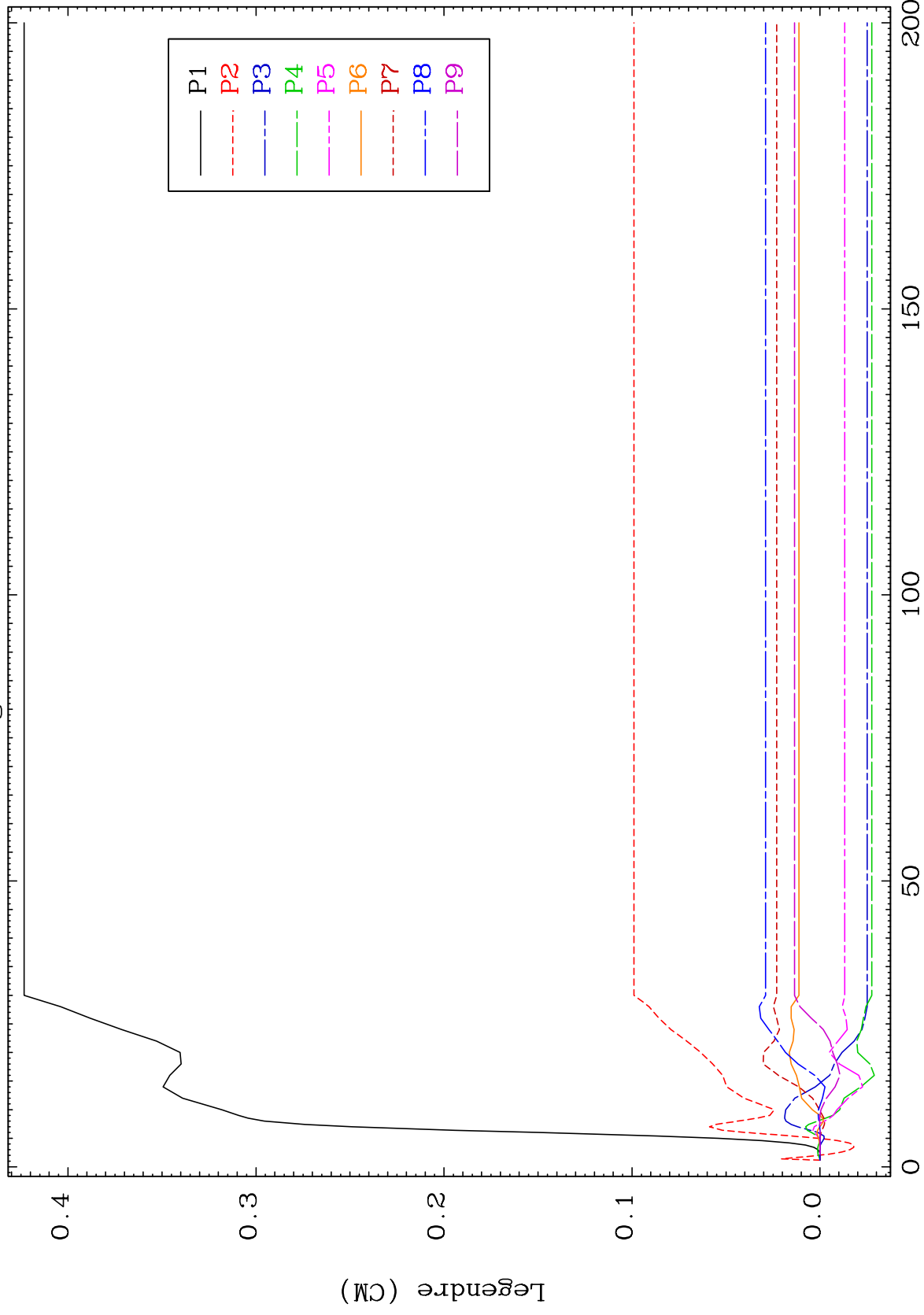
95



MAT 5710

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

57-La-133



96

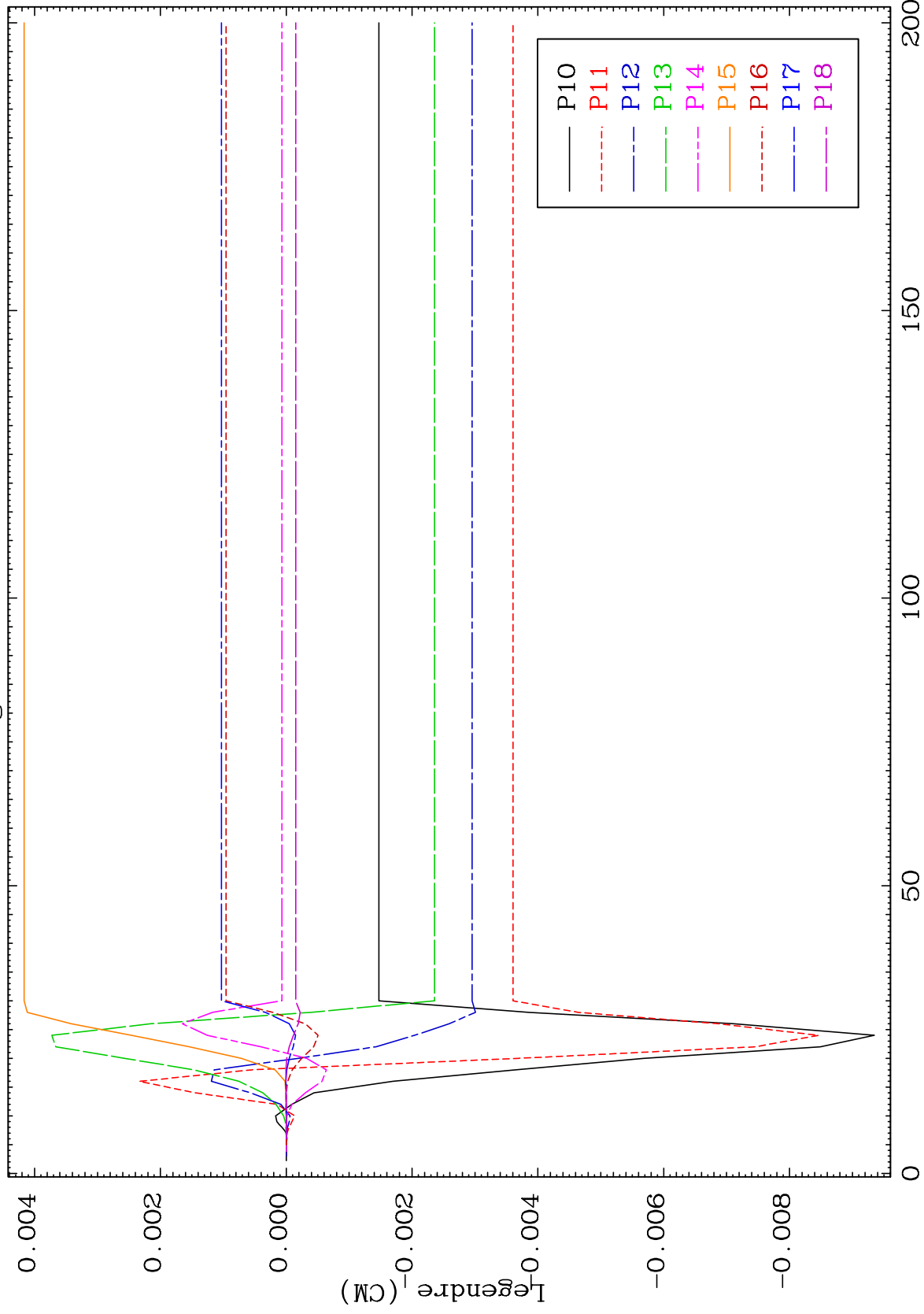
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



97

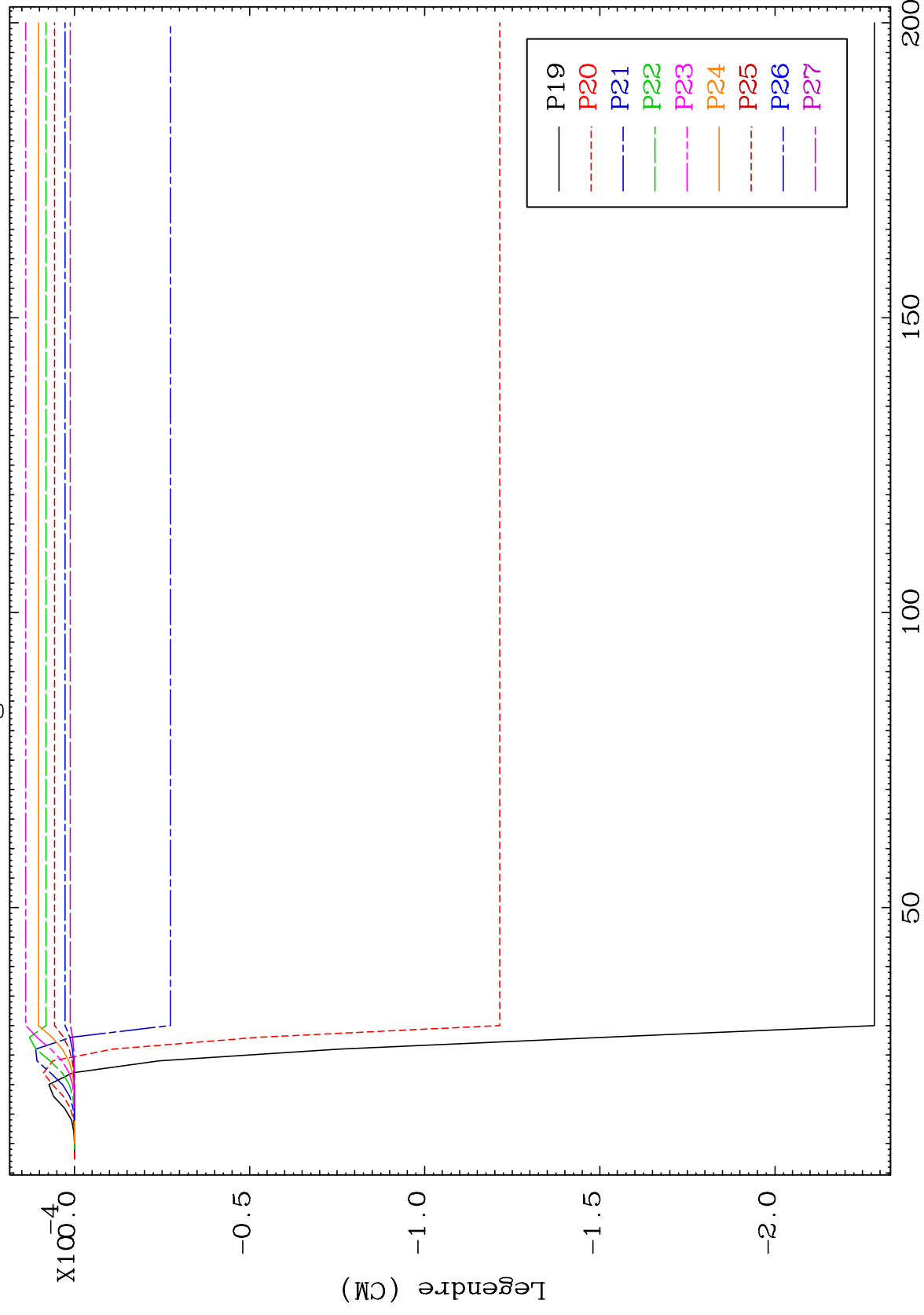
Incident Energy (MeV)

57-La-133

MAT 5710

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

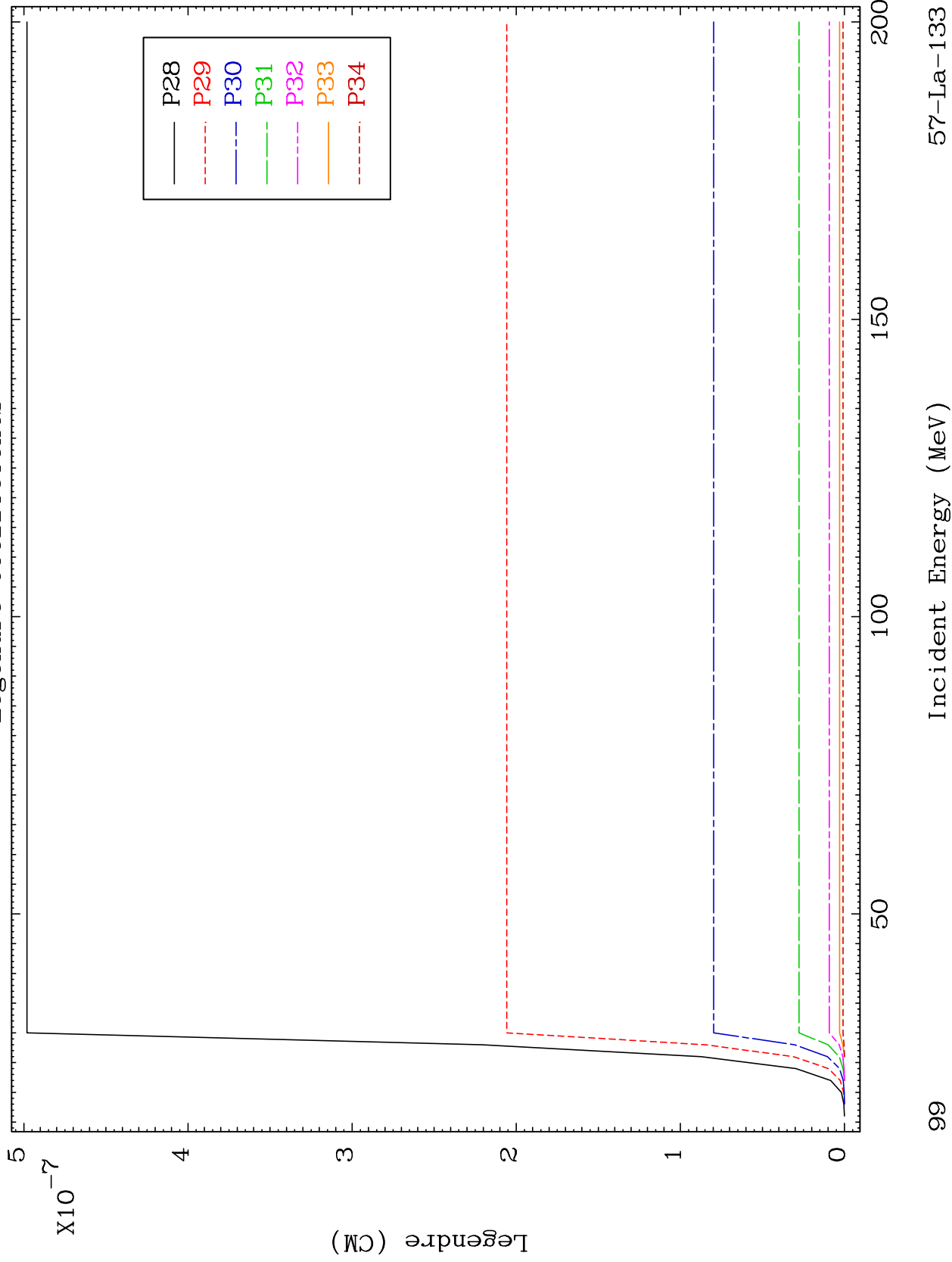
57-La-133



MAT 5710

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

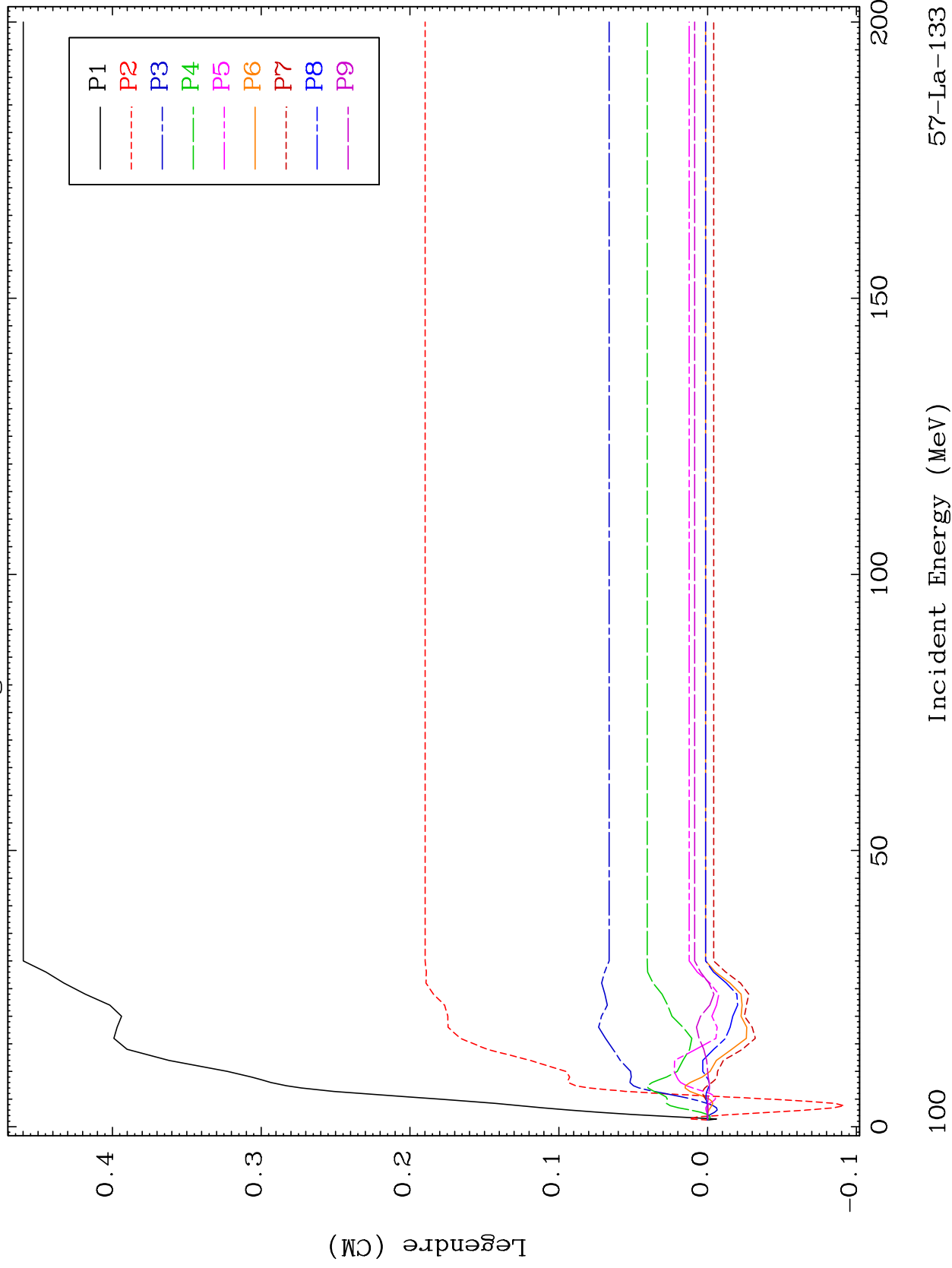
57-La-133



MAT 5710

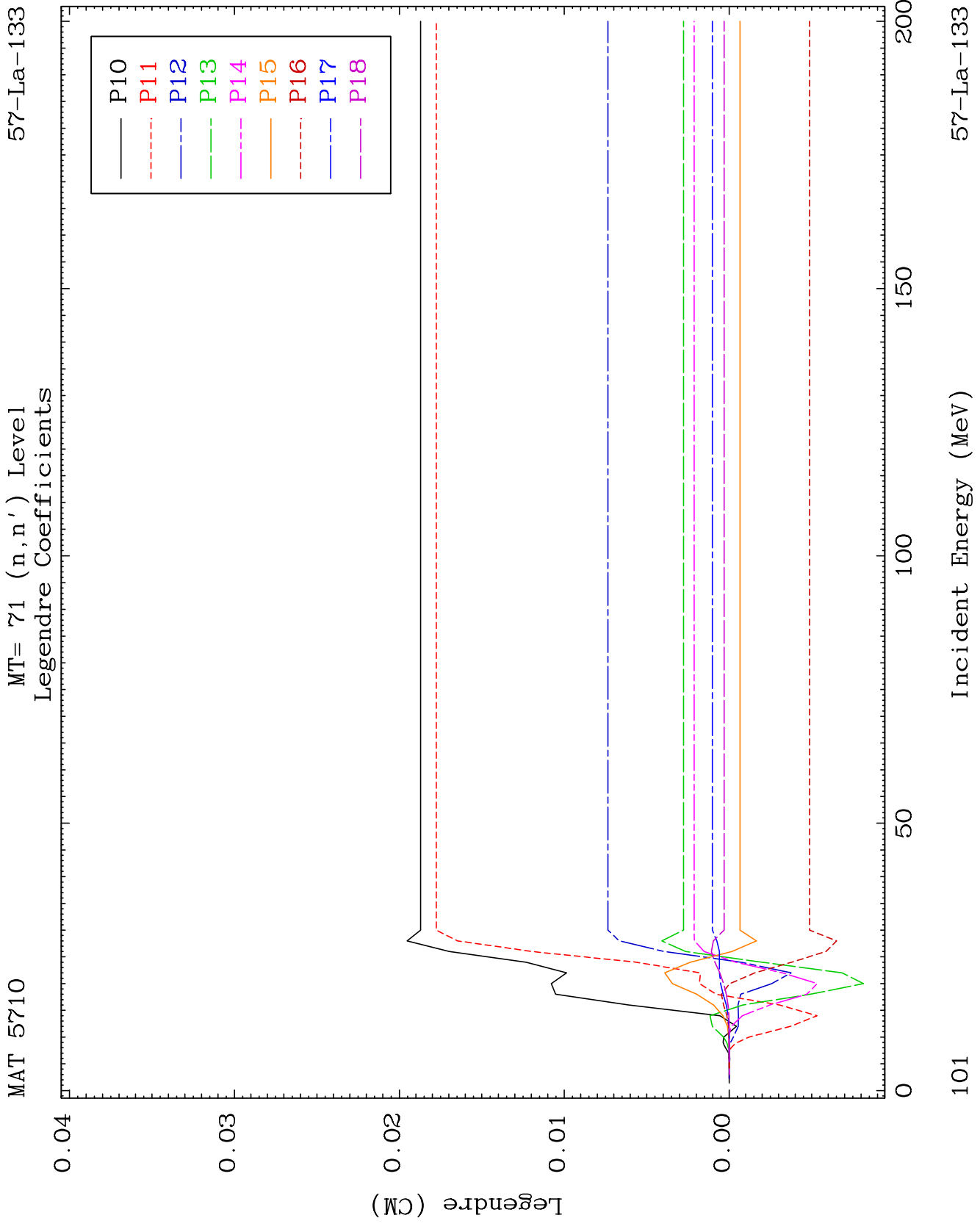
MT= 71 (n,n') Level  
Legendre Coefficients

57-La-133



57-La-133

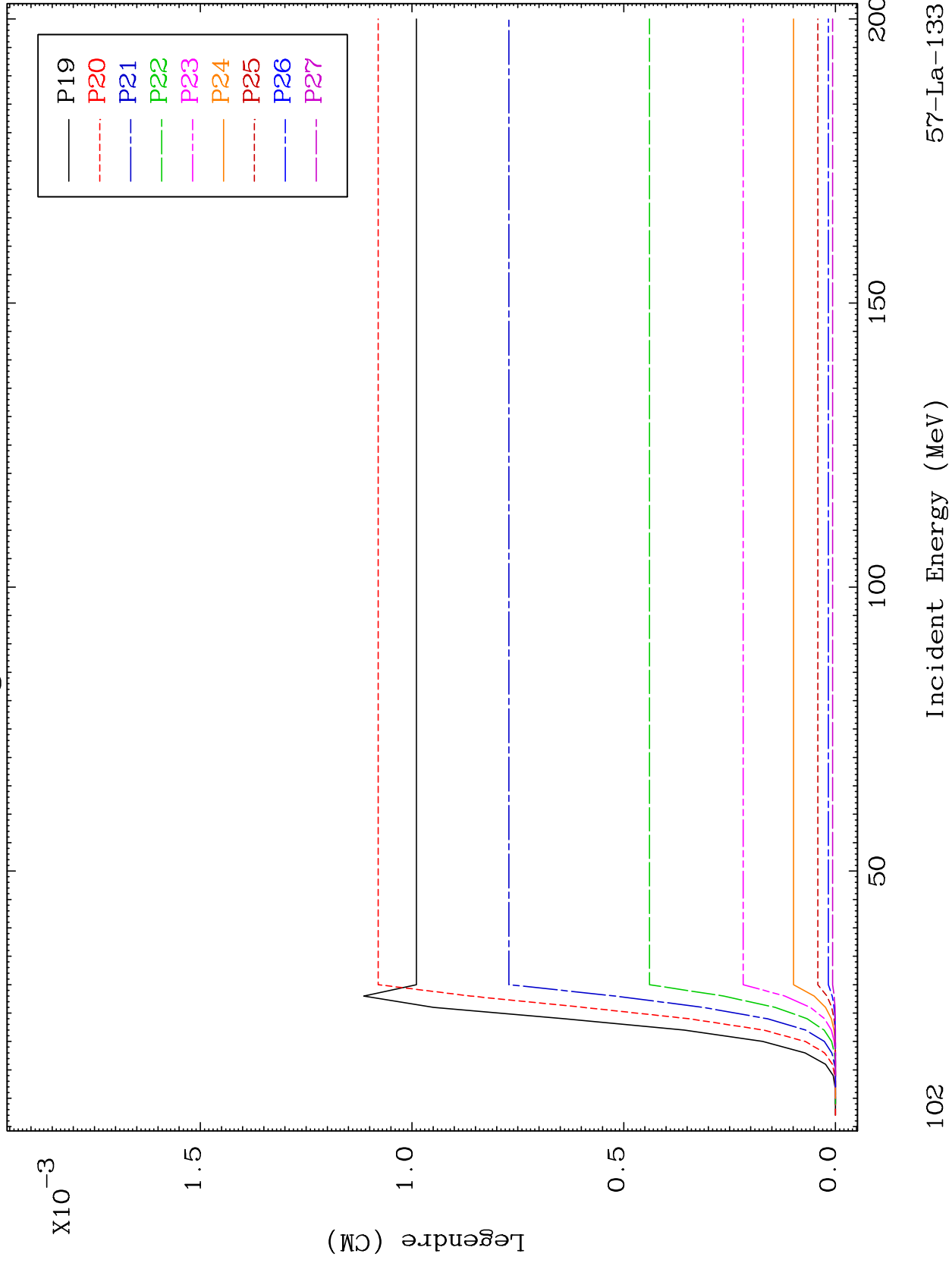
Incident Energy (MeV)



MAT 5710

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

57-La-133



102

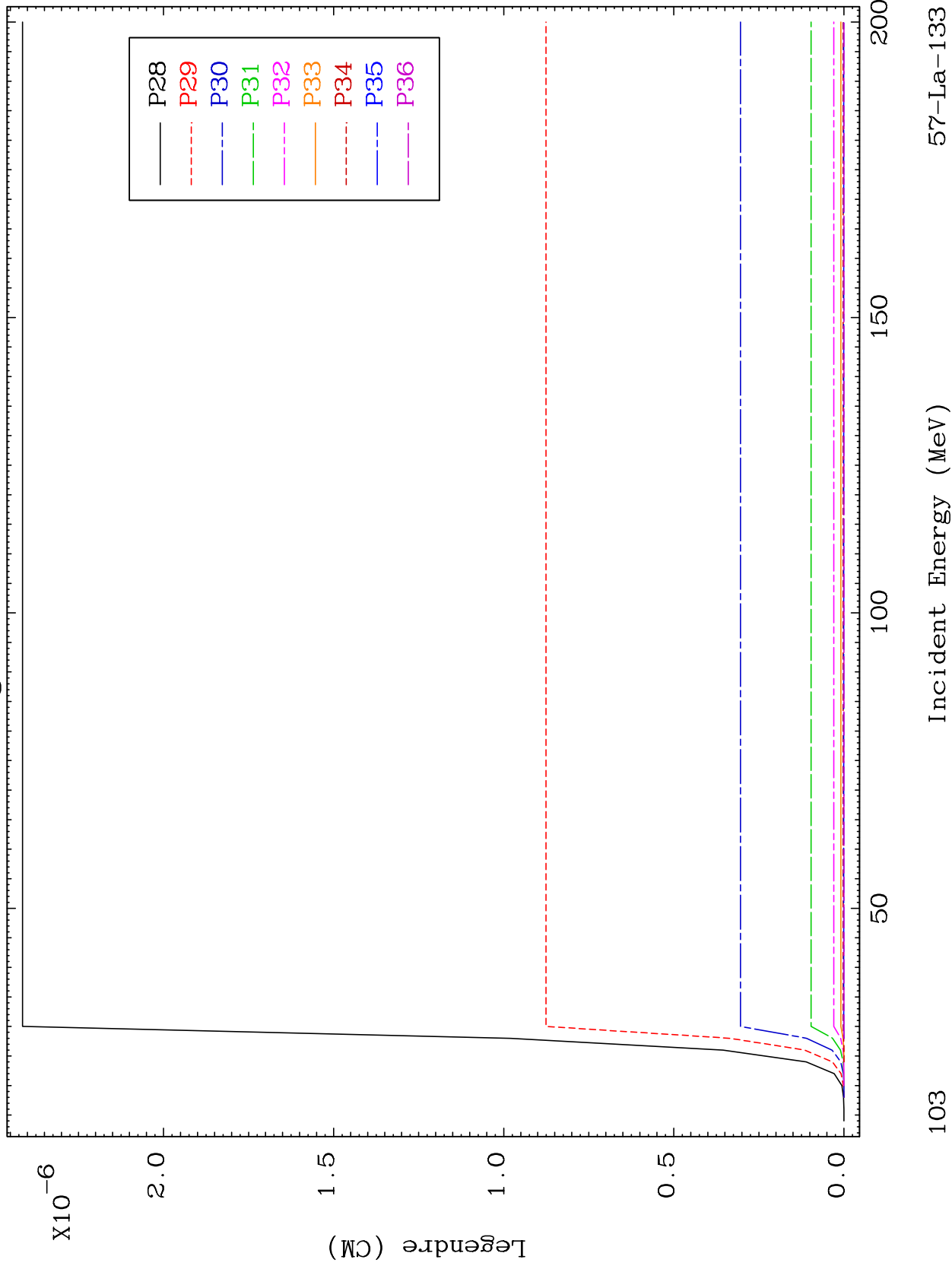
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133

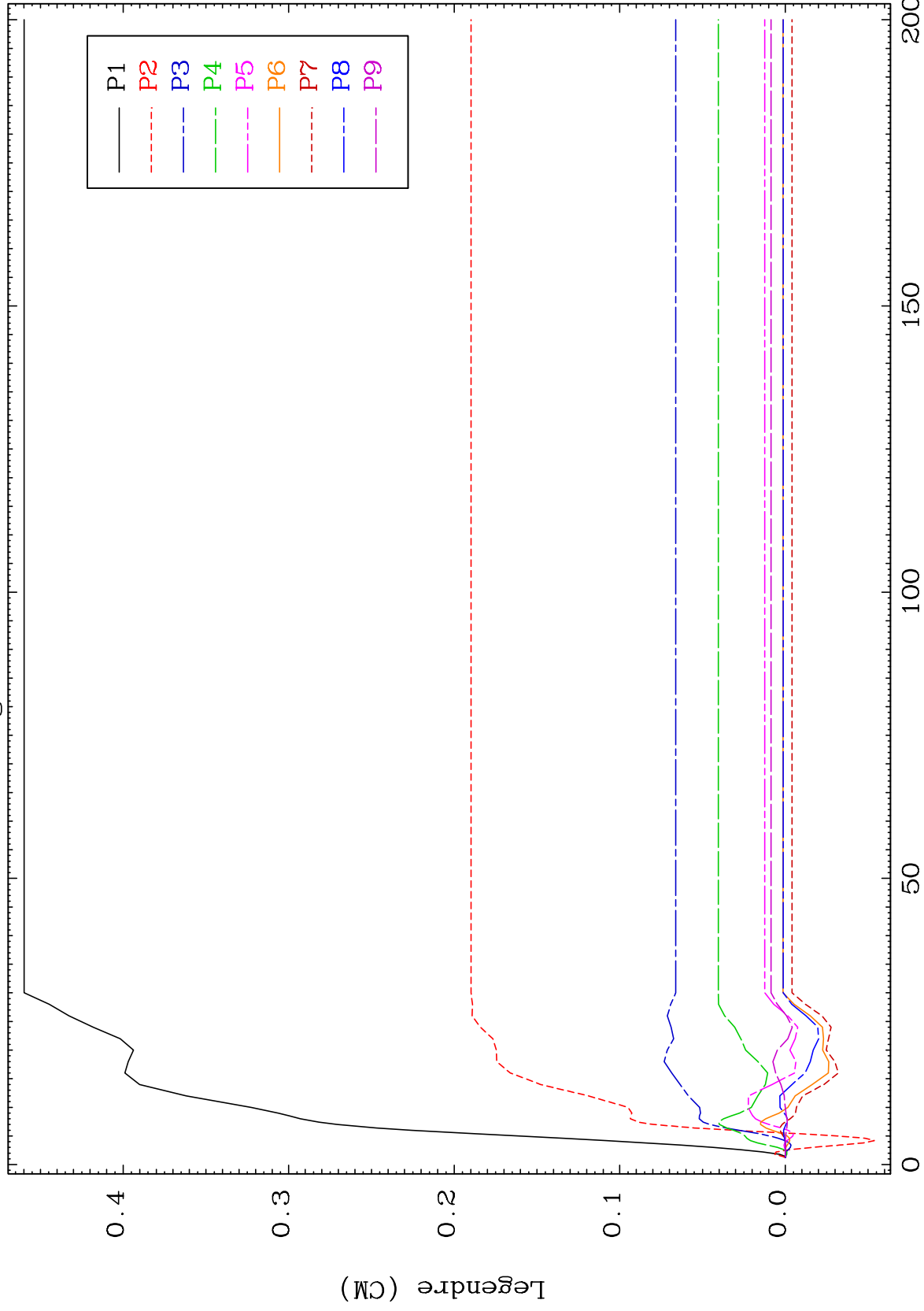




MAT 5710

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

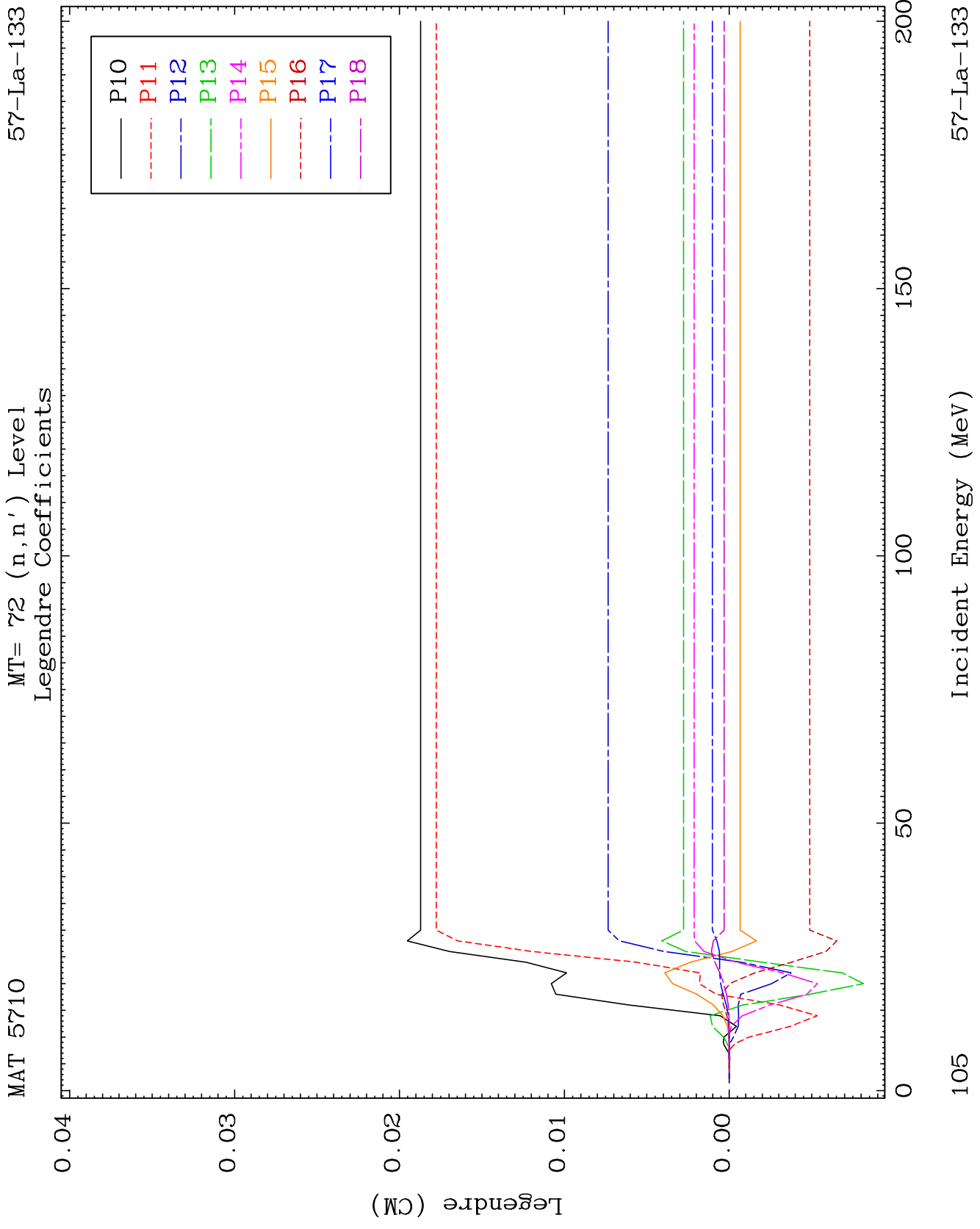
57-La-133



104

Incident Energy (MeV)

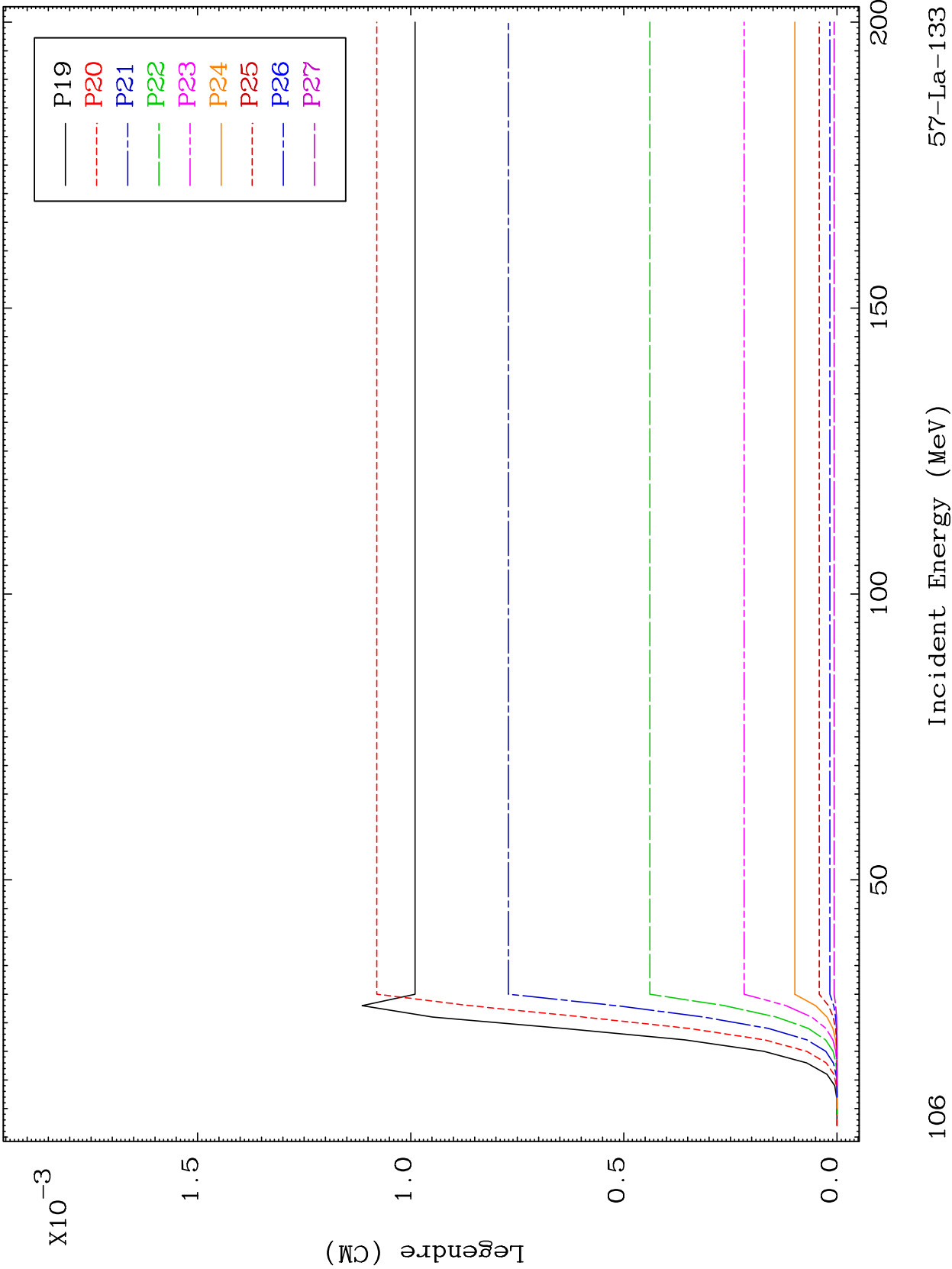
57-La-133



MAT 5710

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

57-La-133



106

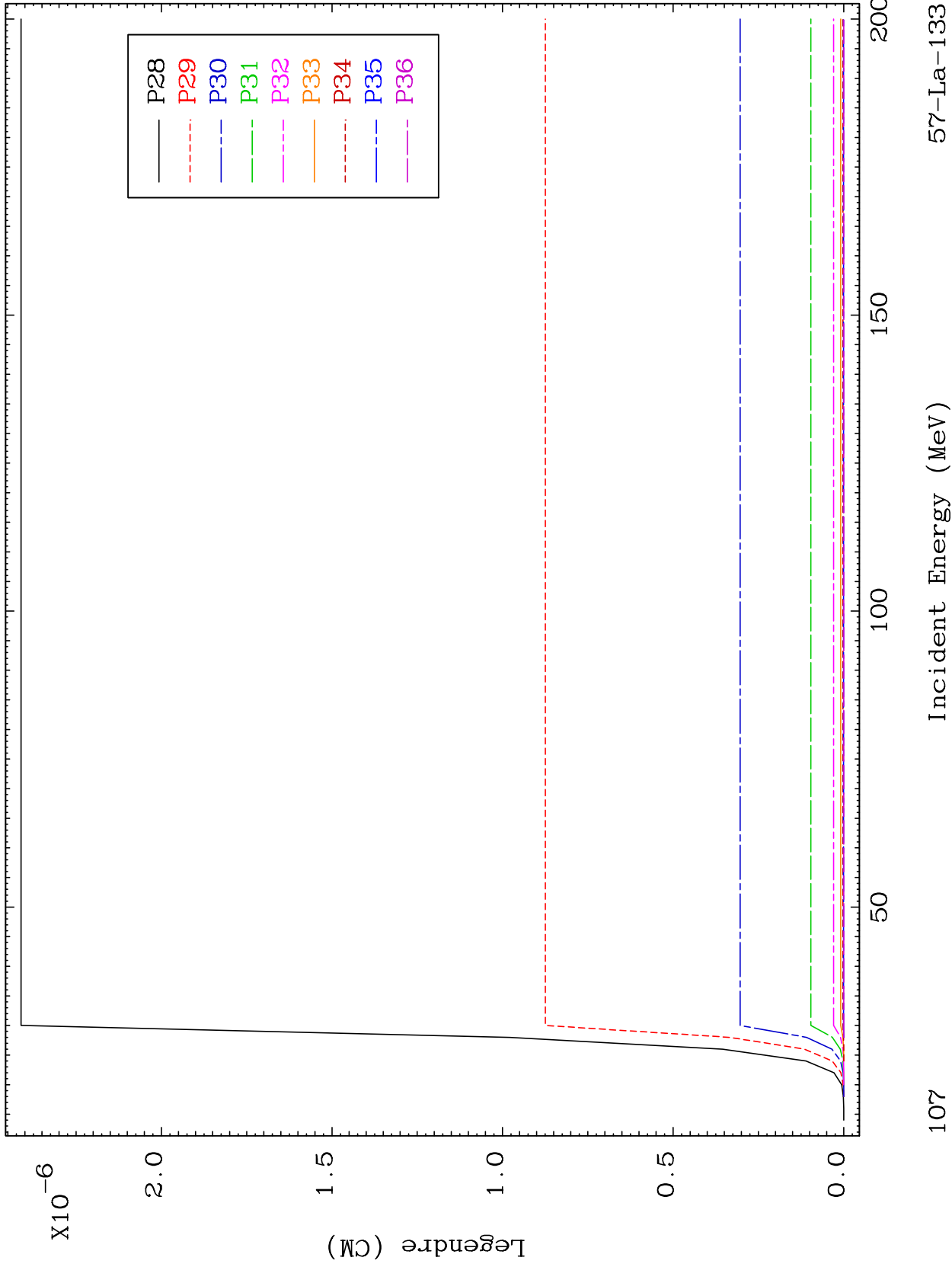
Incident Energy (MeV)

57-La-133

MAT 5710

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

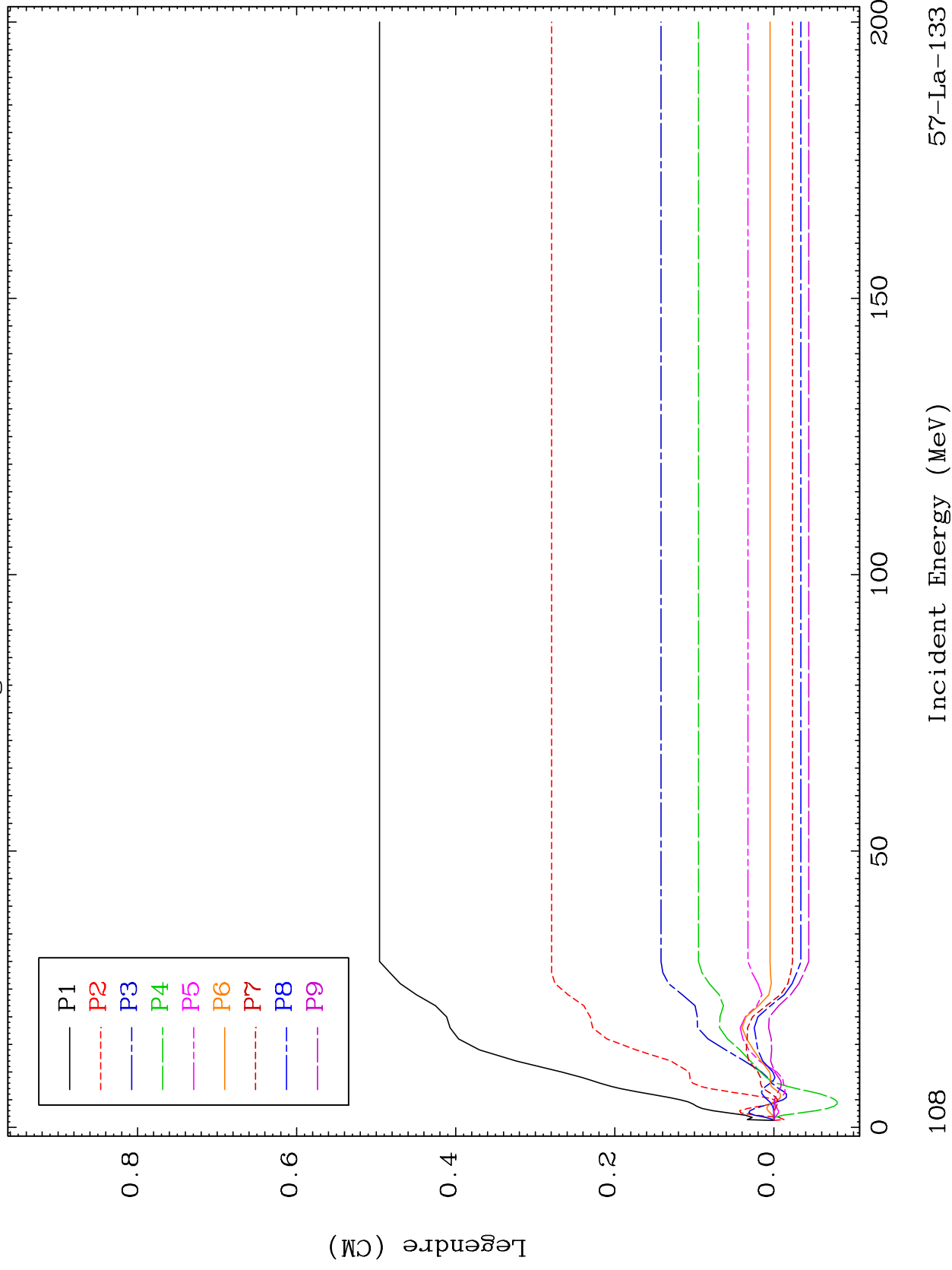
57-La-133



MAT 5710

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

57-La-133



57-La-133

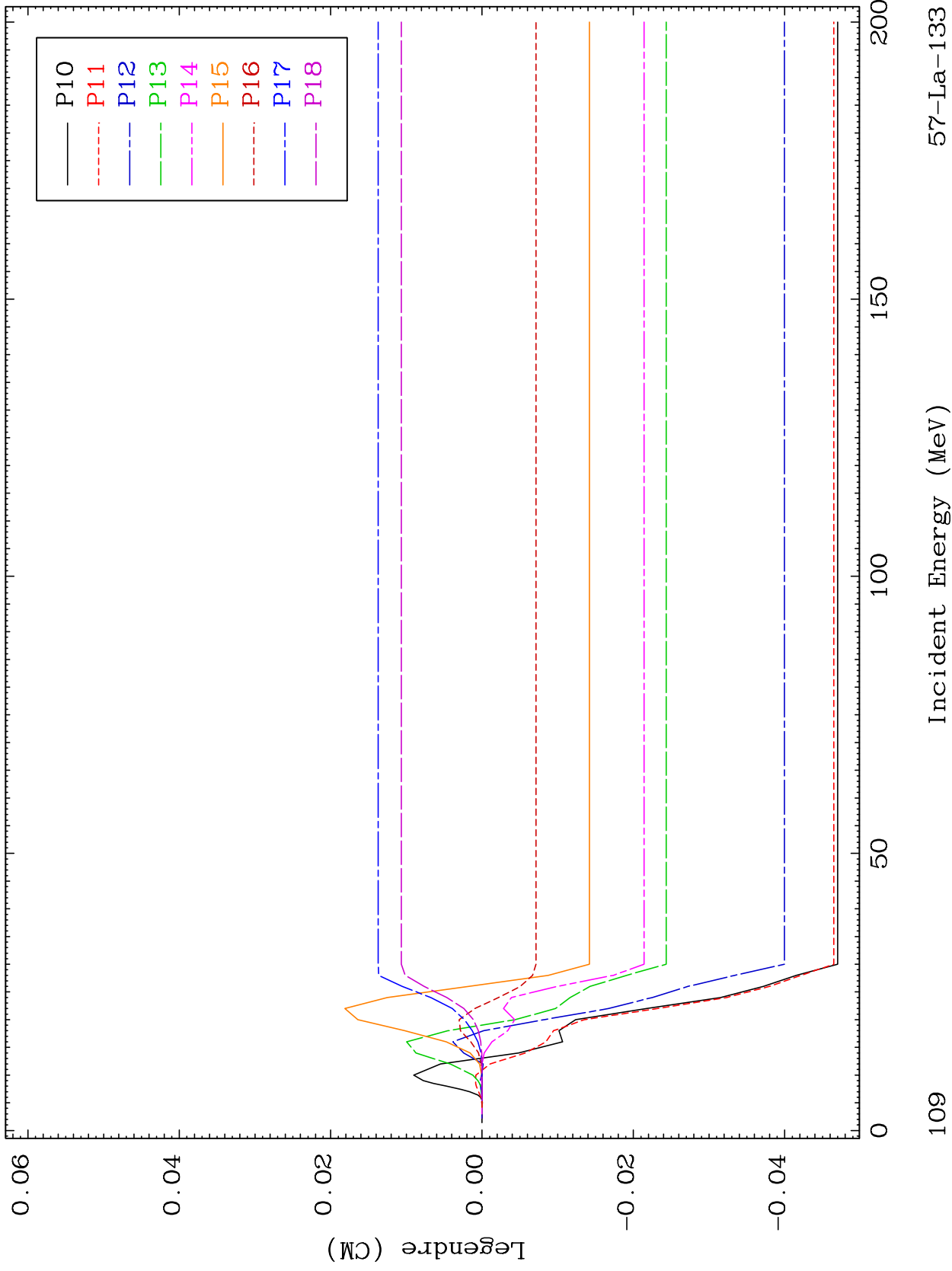
Incident Energy (MeV)

108

MAT 5710

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

57-La-133



57-La-133

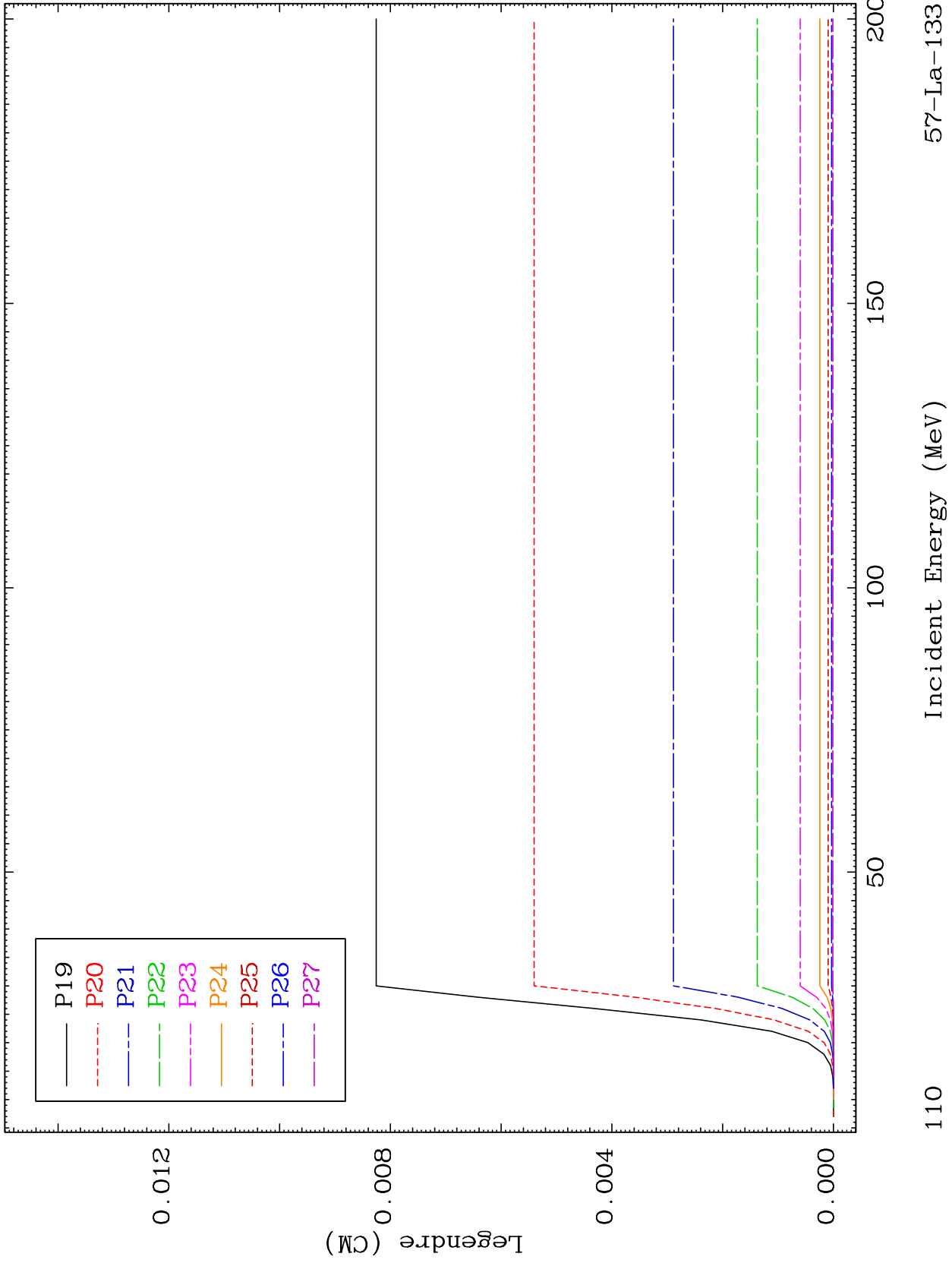
Incident Energy (MeV)

109

MAT 5710

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

57-La-133



110

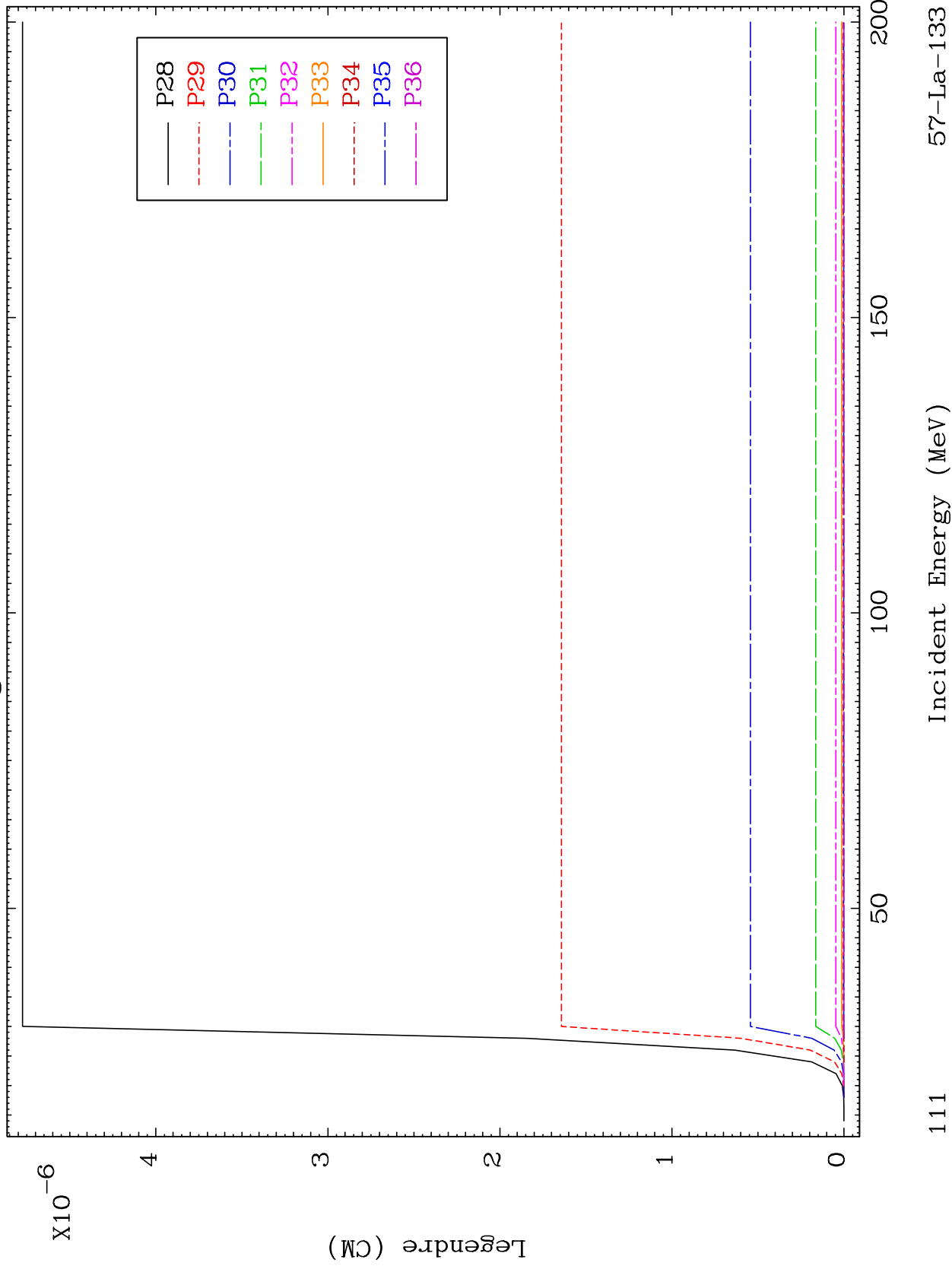
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



111

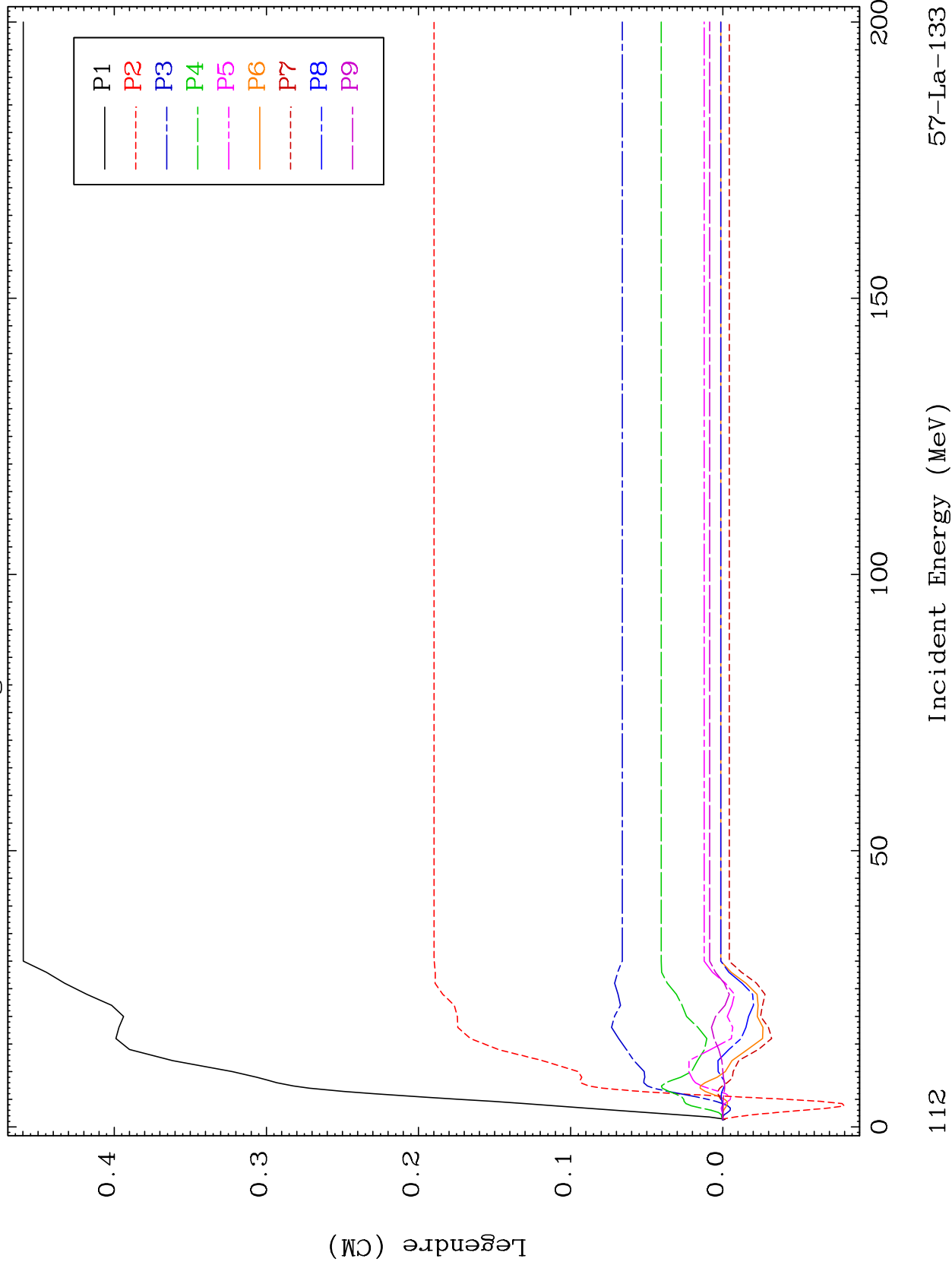
57-La-133



MAT 5710

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

57-La-133



57-La-133

Incident Energy (MeV)

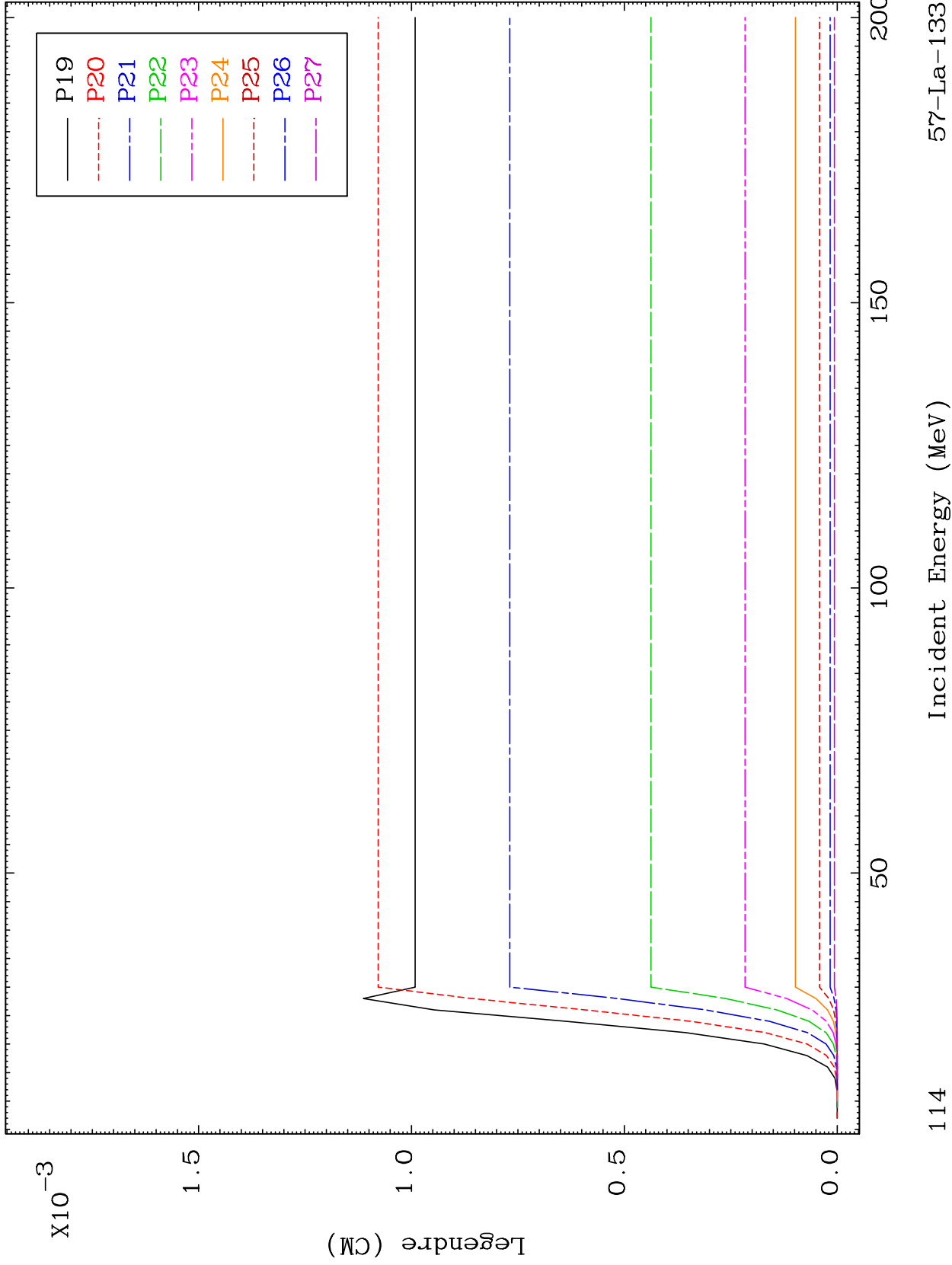
112



MAT 5710

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

57-La-133



114

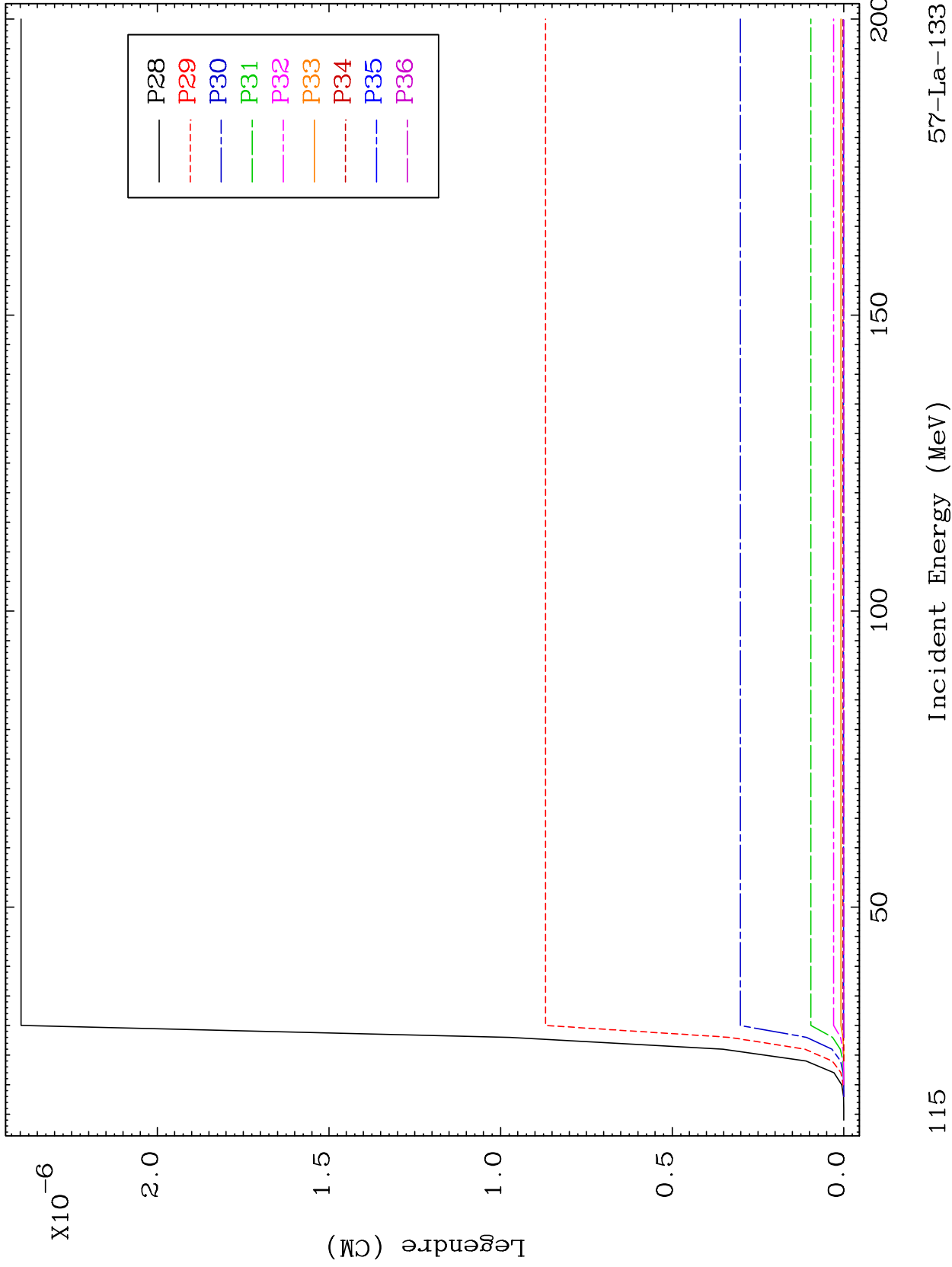
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



115

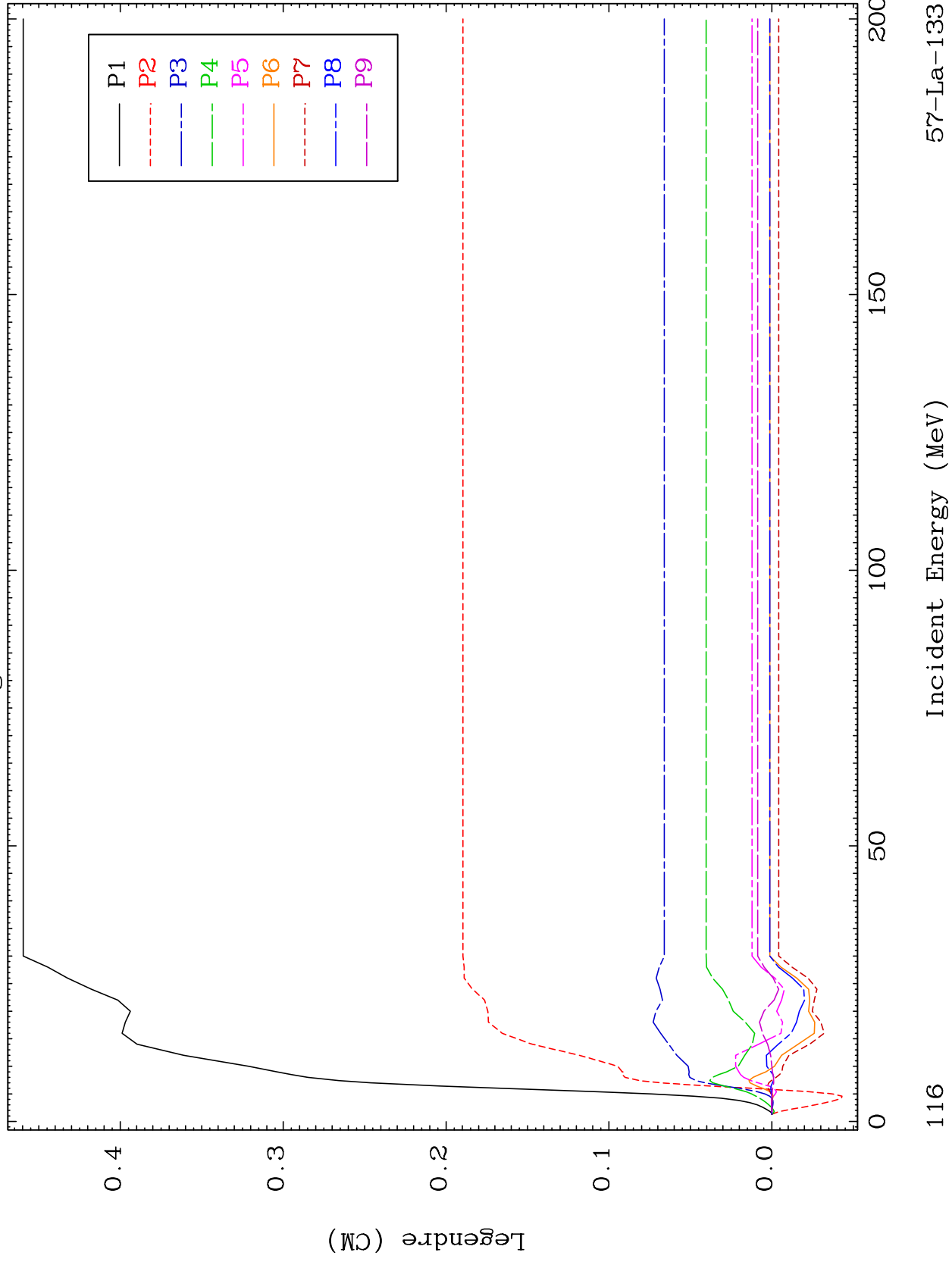
Incident Energy (MeV)

57-La-133

MAT 5710

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

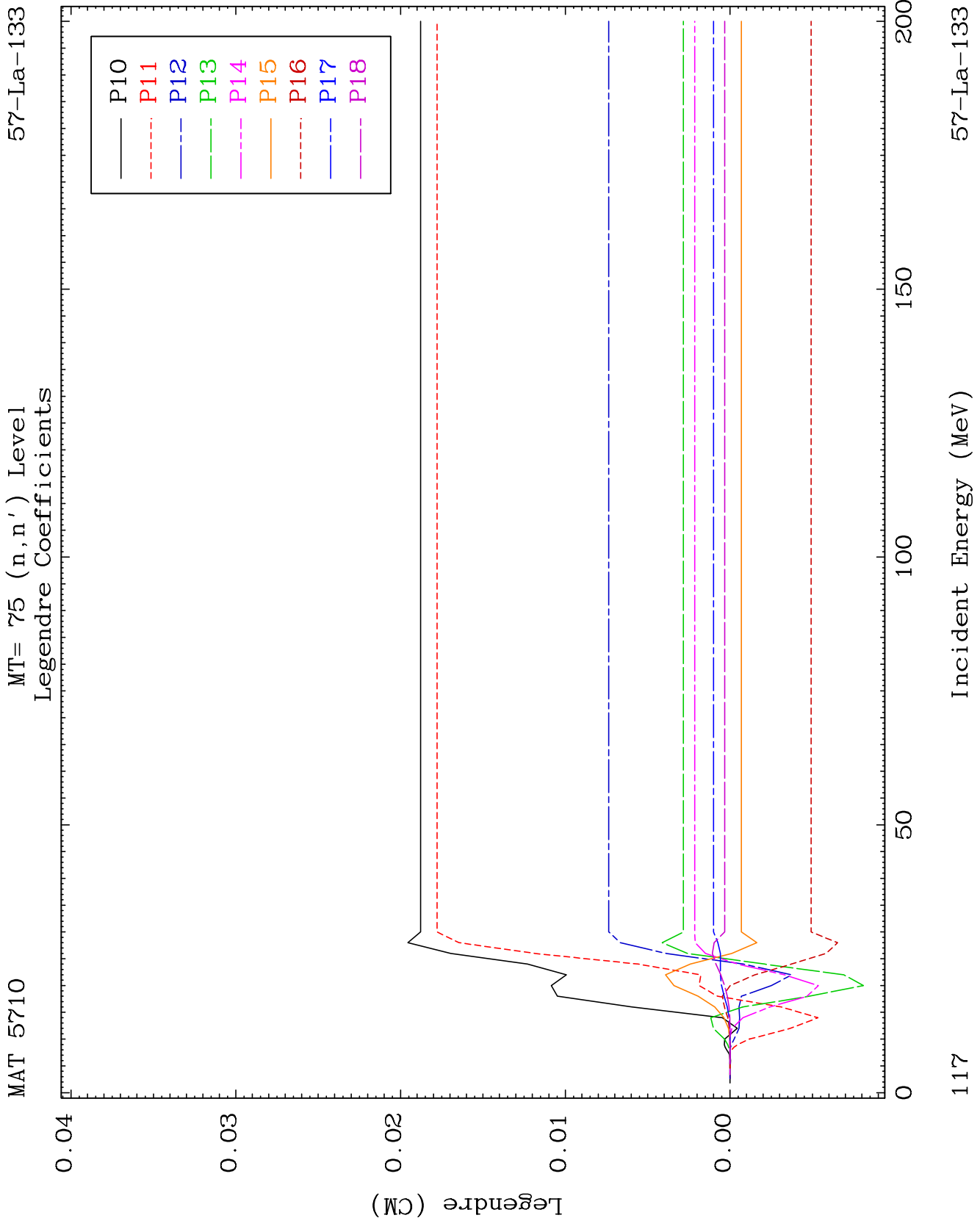
57-La-133



57-La-133

Incident Energy (MeV)

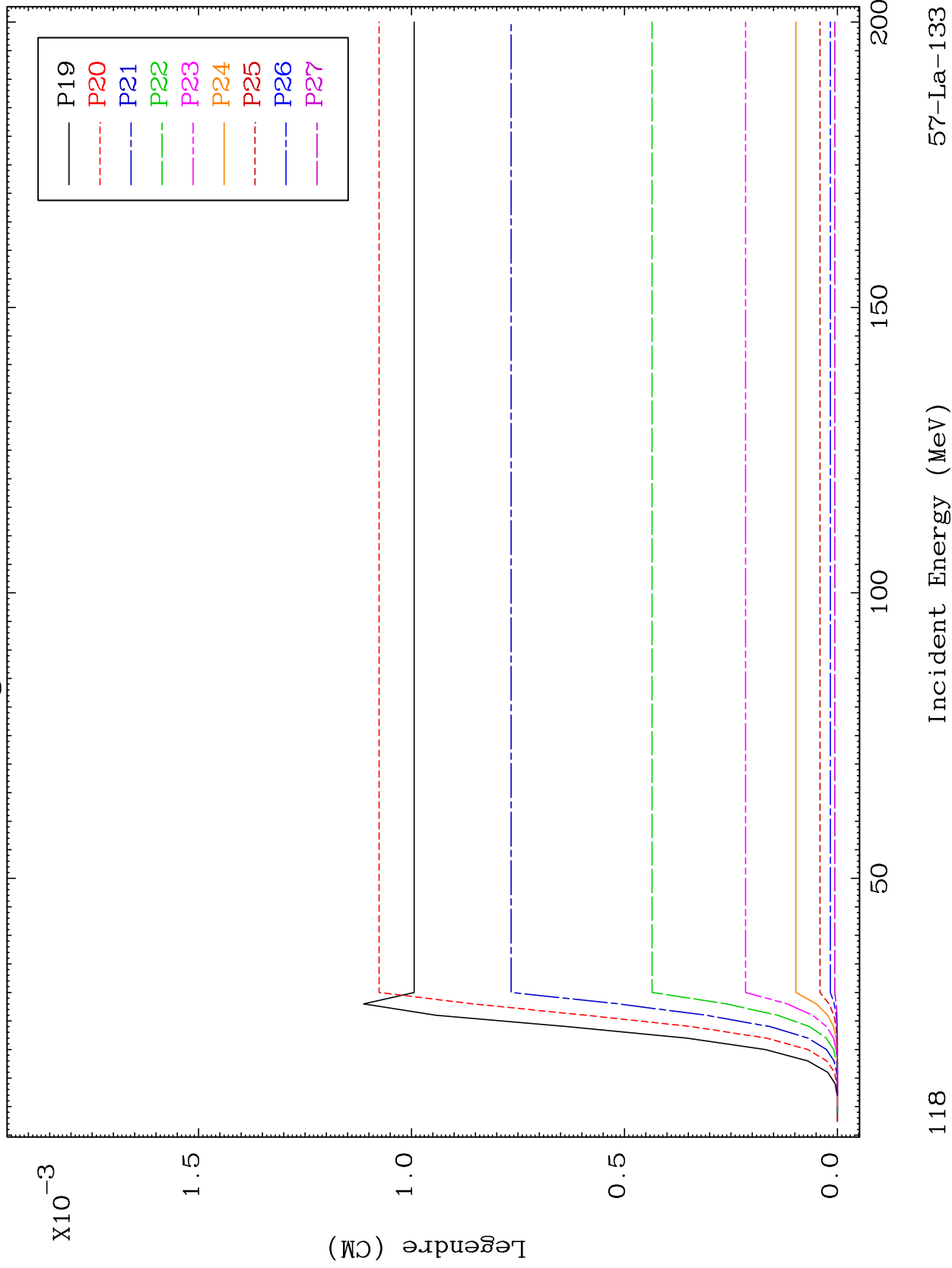
116



MAT 5710

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

57-La-133



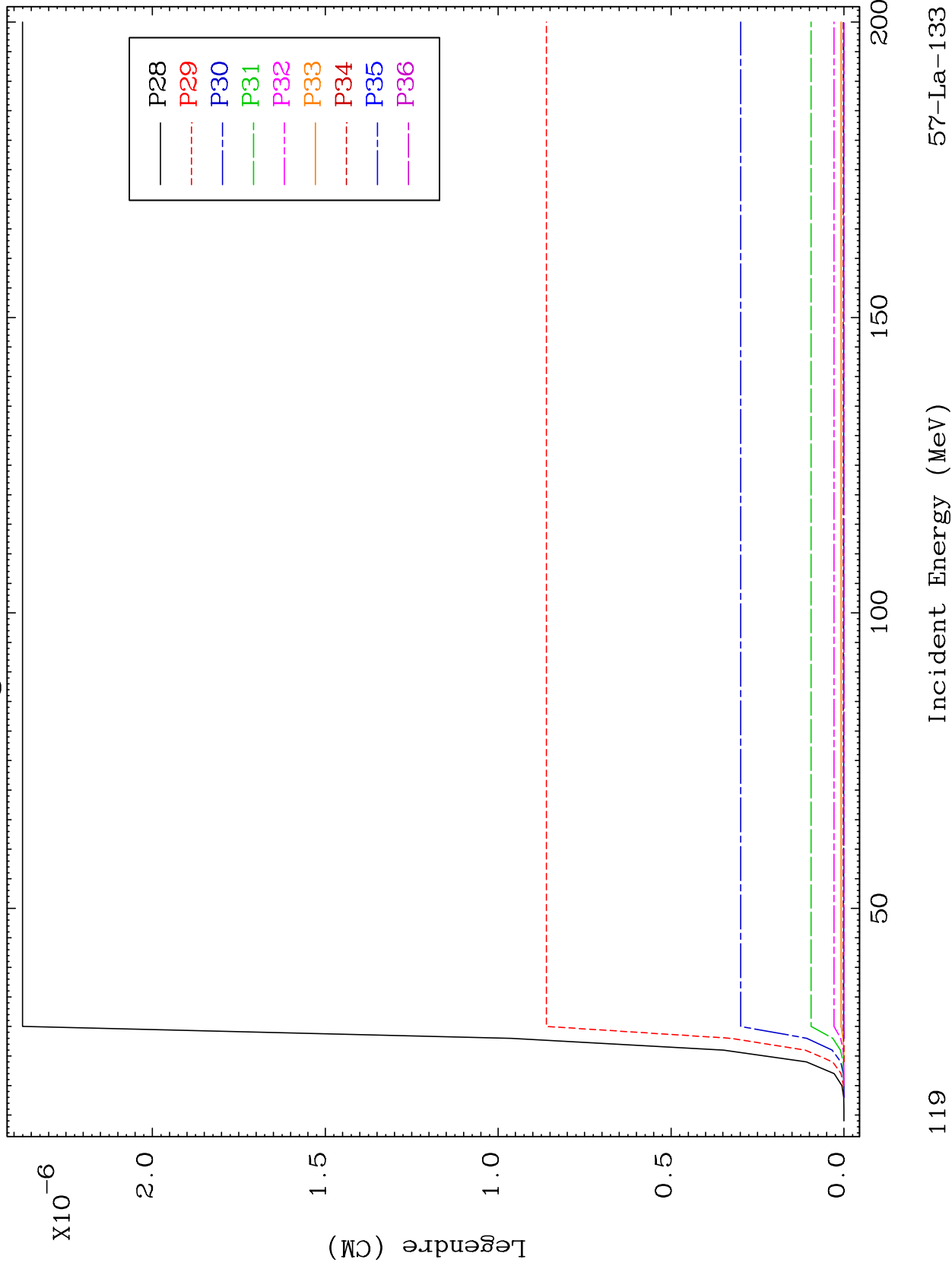
118

57-La-133

MAT 5710

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

57-La-133



119

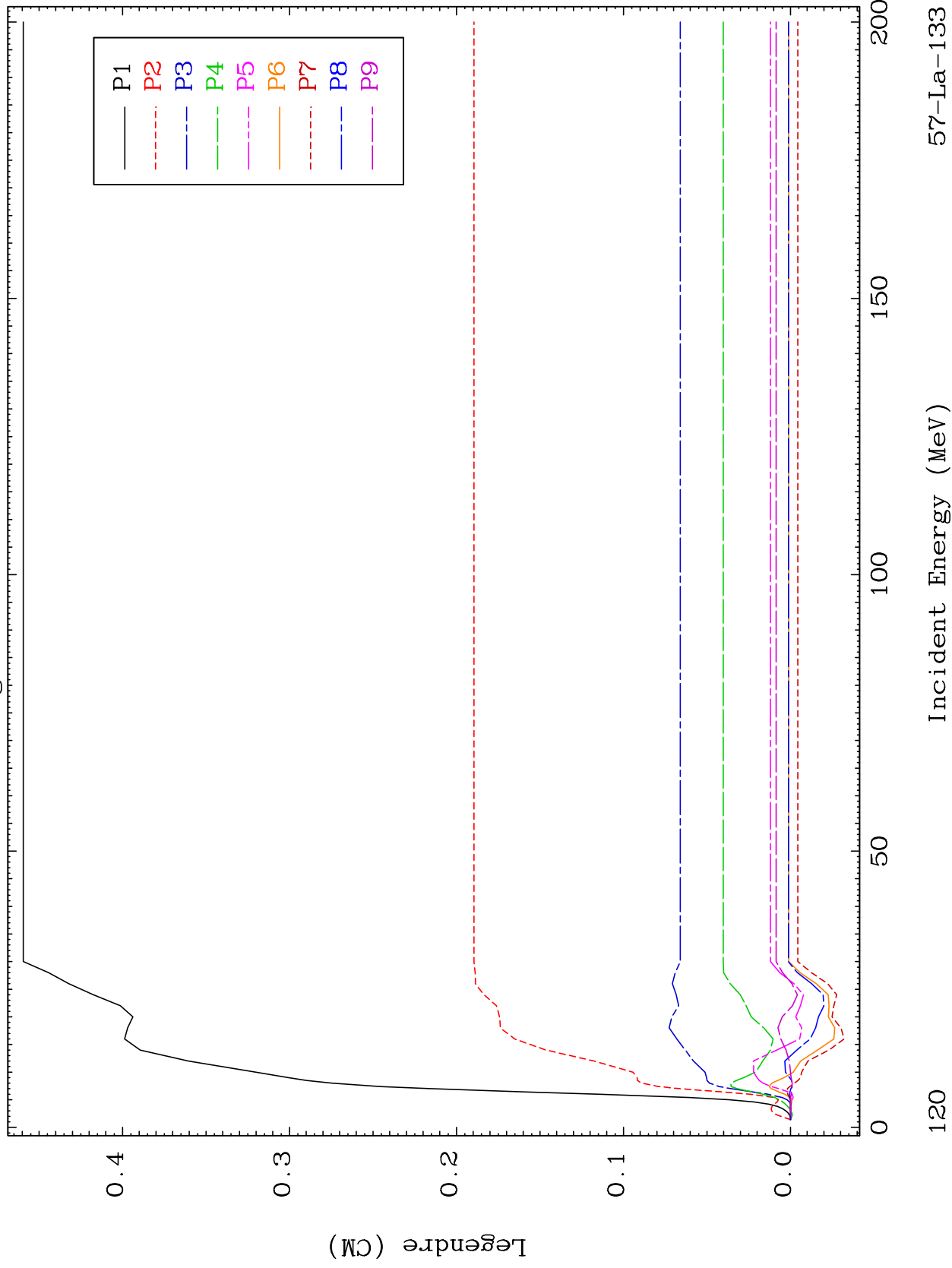
57-La-133



MAT 5710

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

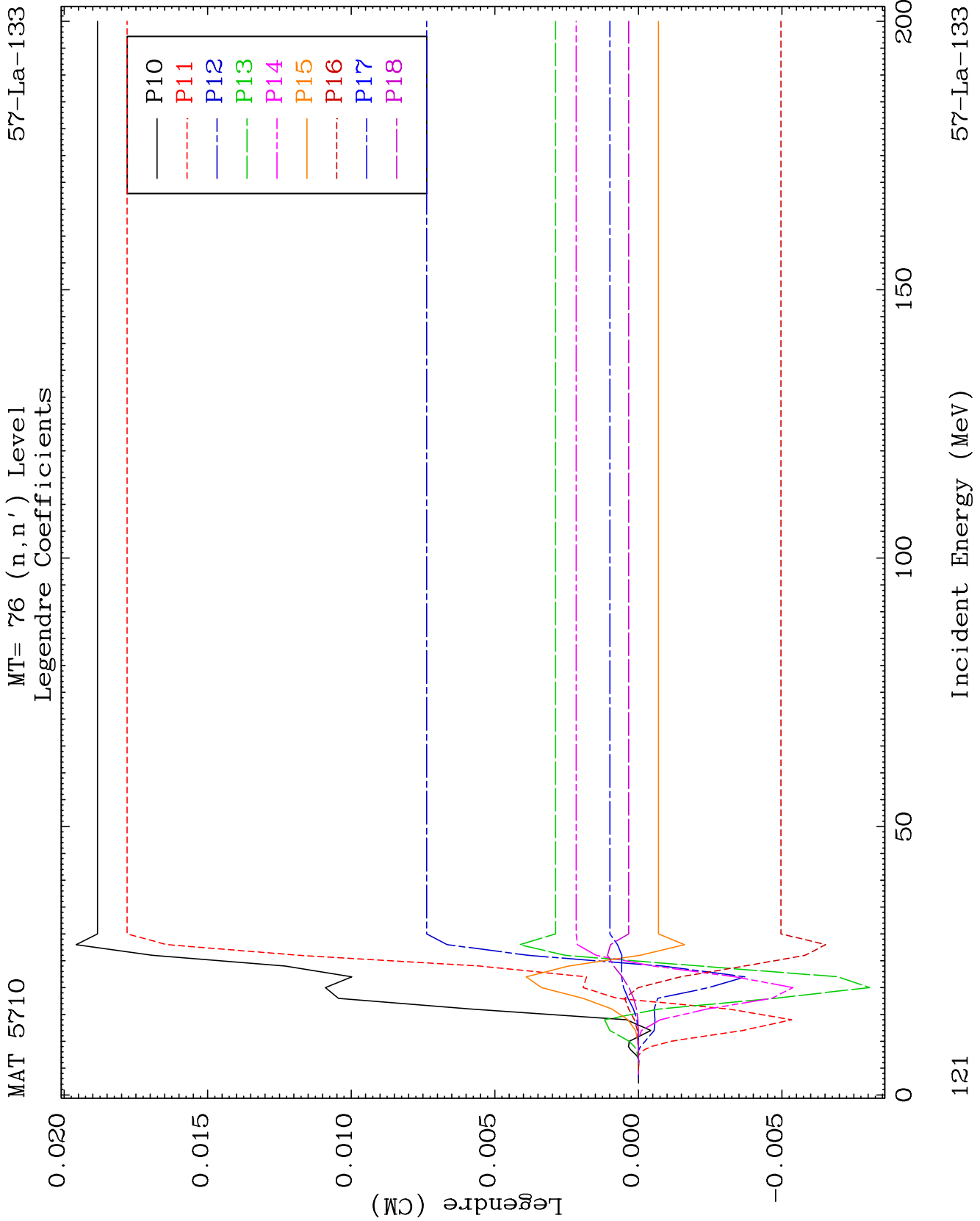
57-La-133



57-La-133

Incident Energy (MeV)

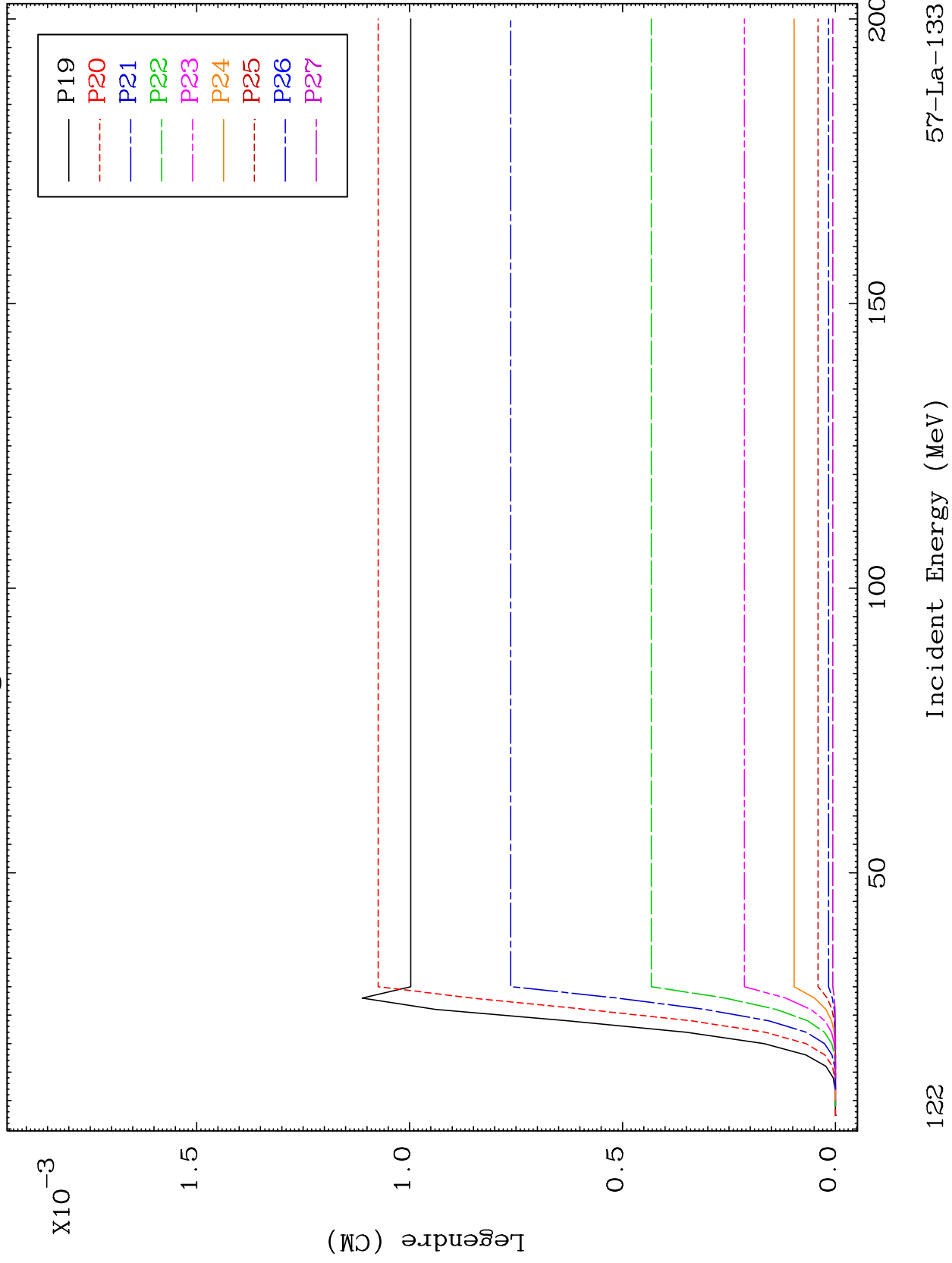
Legendre (CM)



MAT 5710

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

57-La-133



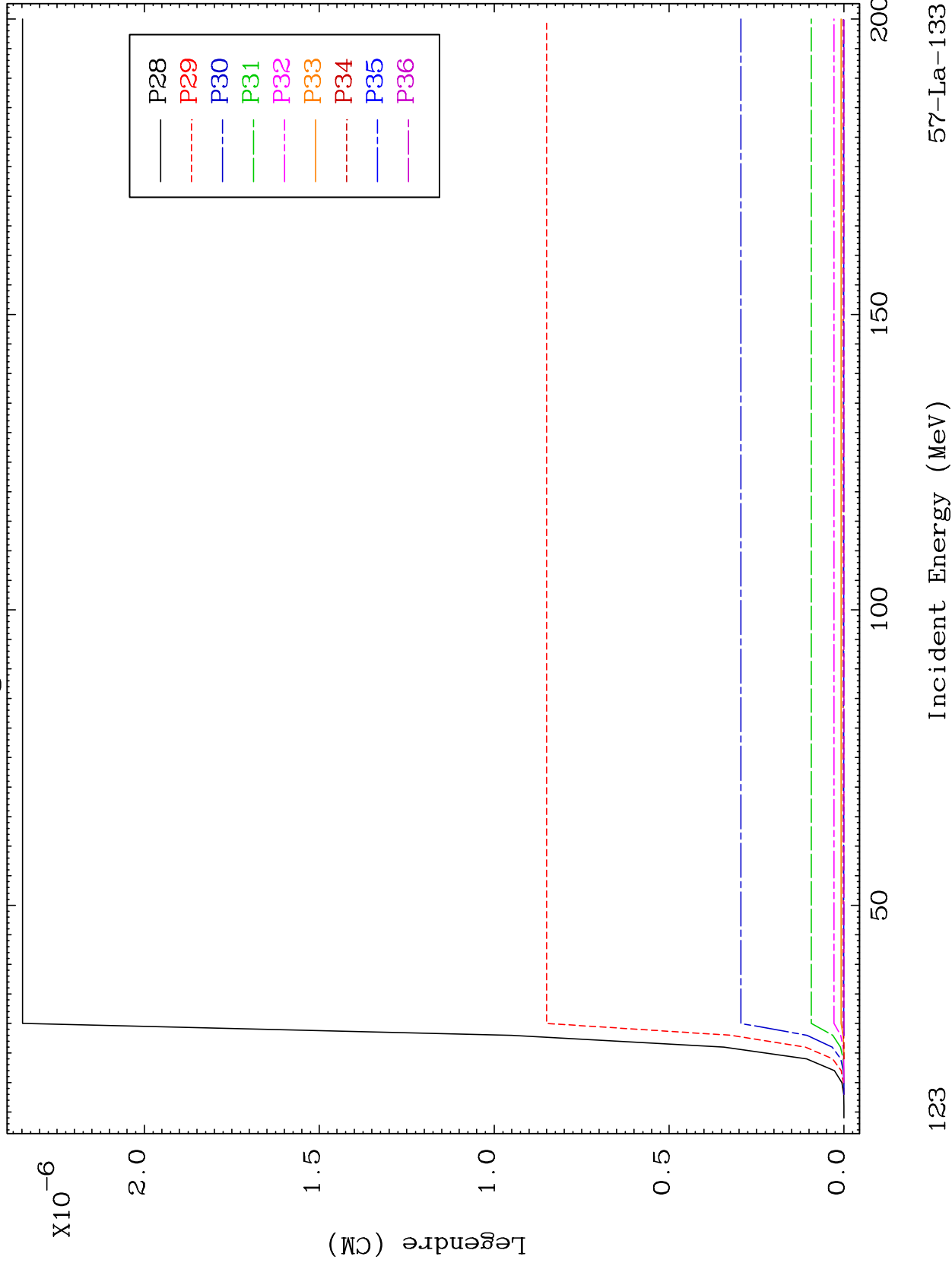
122

57-La-133

MAT 5710

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

57-La-133



123

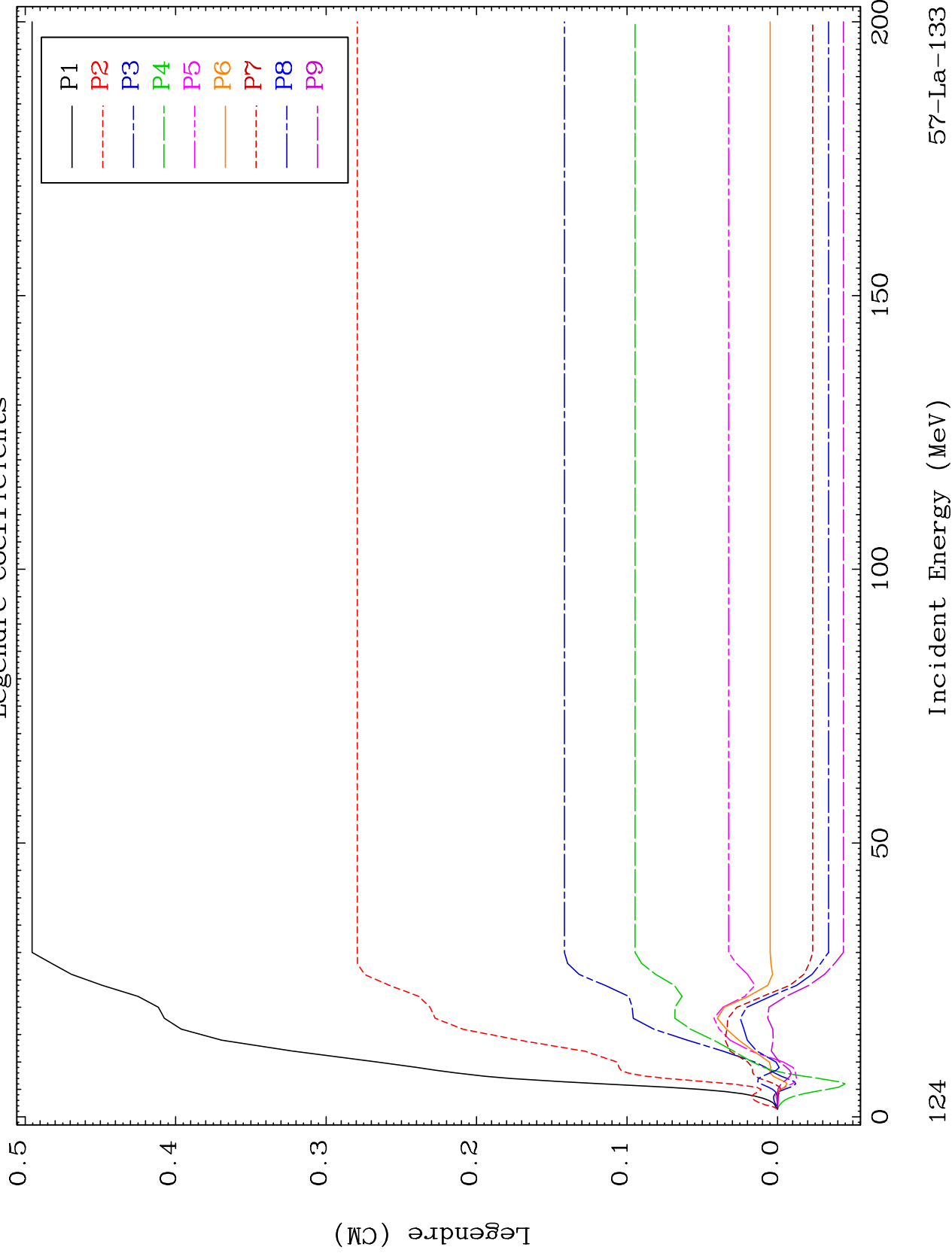
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



57-La-133

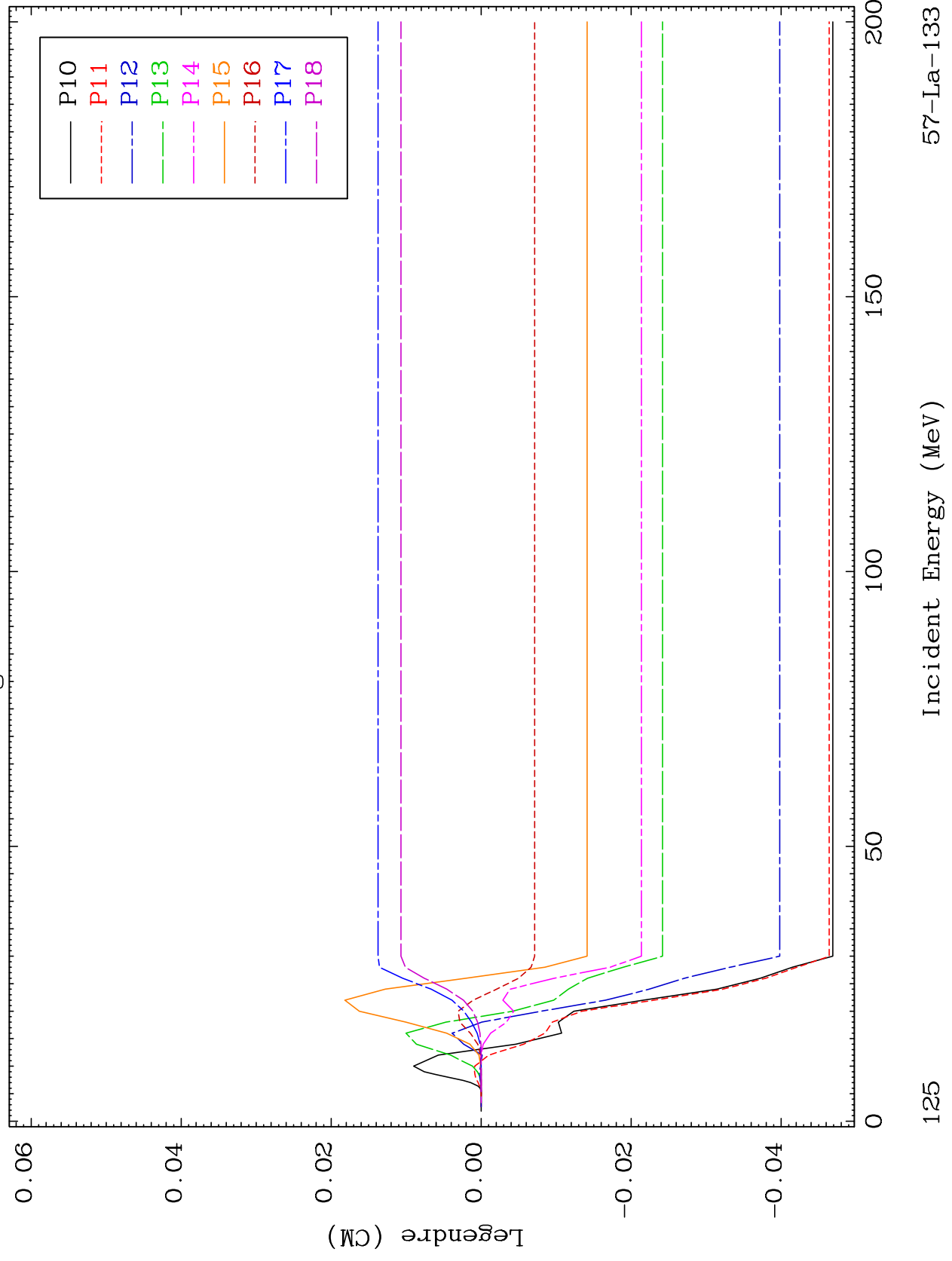
Incident Energy (MeV)

124

MAT 5710

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

57-La-133



57-La-133

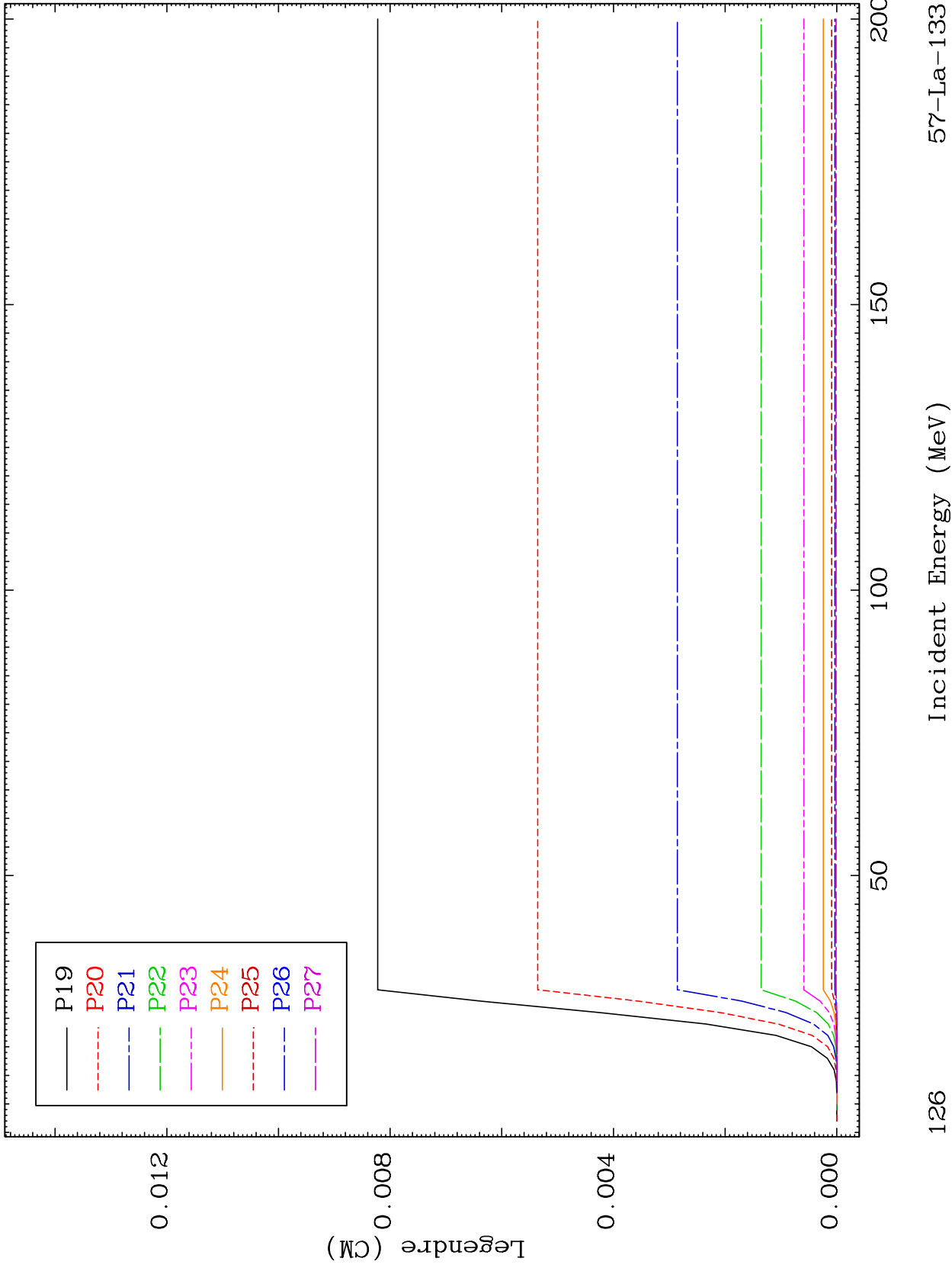
Incident Energy (MeV)

125

MAT 5710

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

57-La-133



126

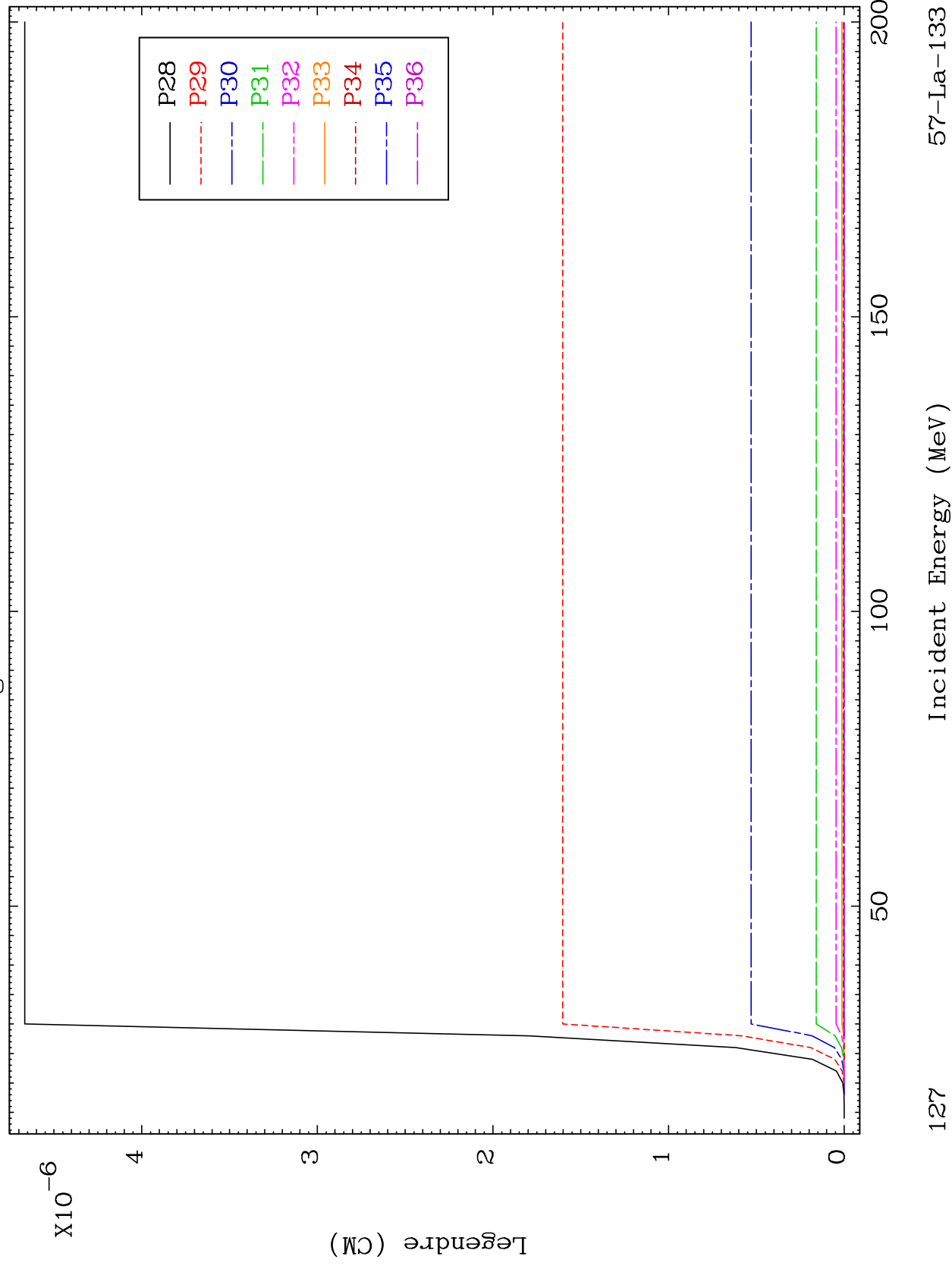
Incident Energy (MeV)

57-La-133

MAT 5710

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

57-La-133



127

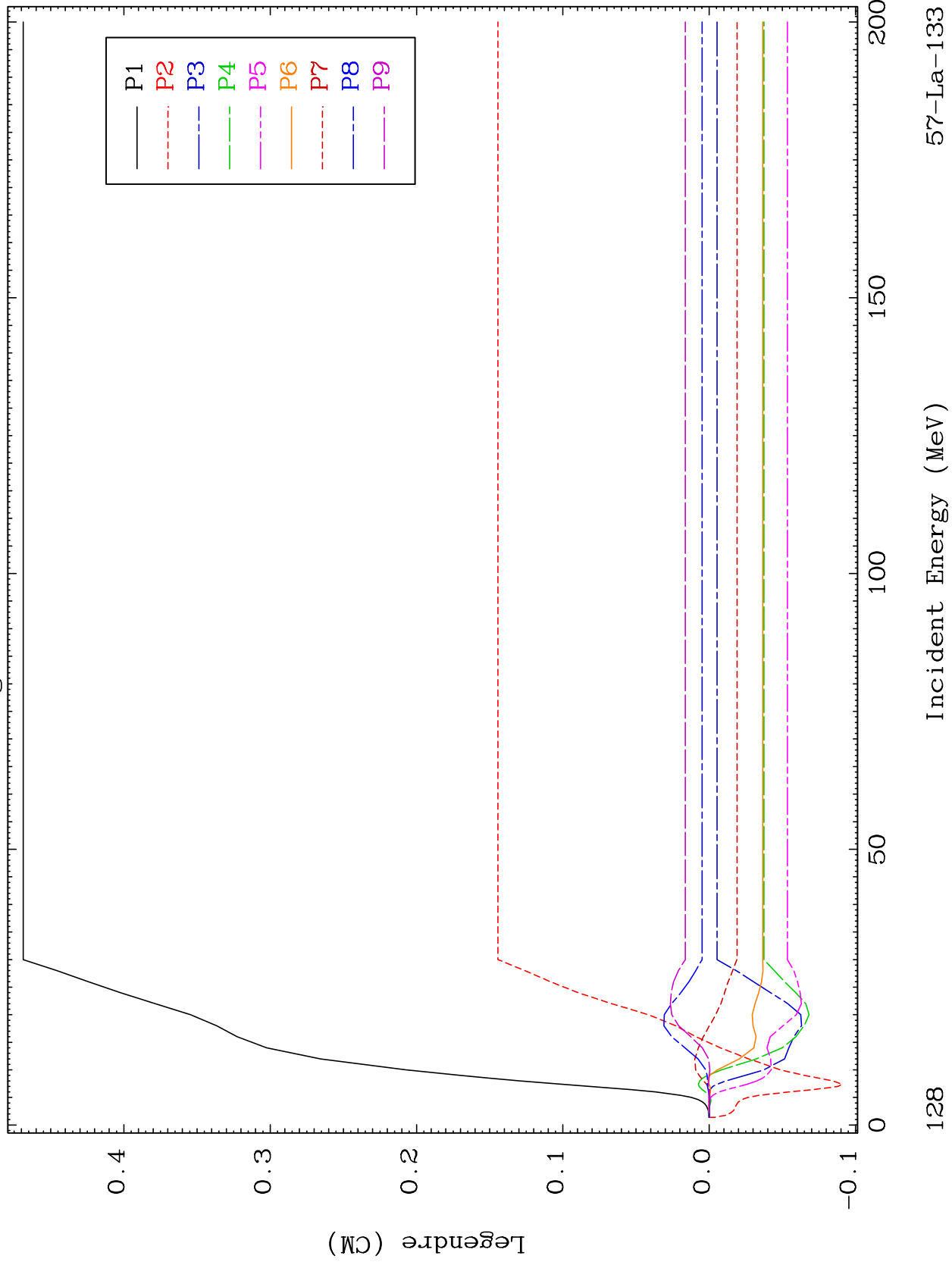
57-La-133



MAT 5710

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

57-La-133



57-La-133

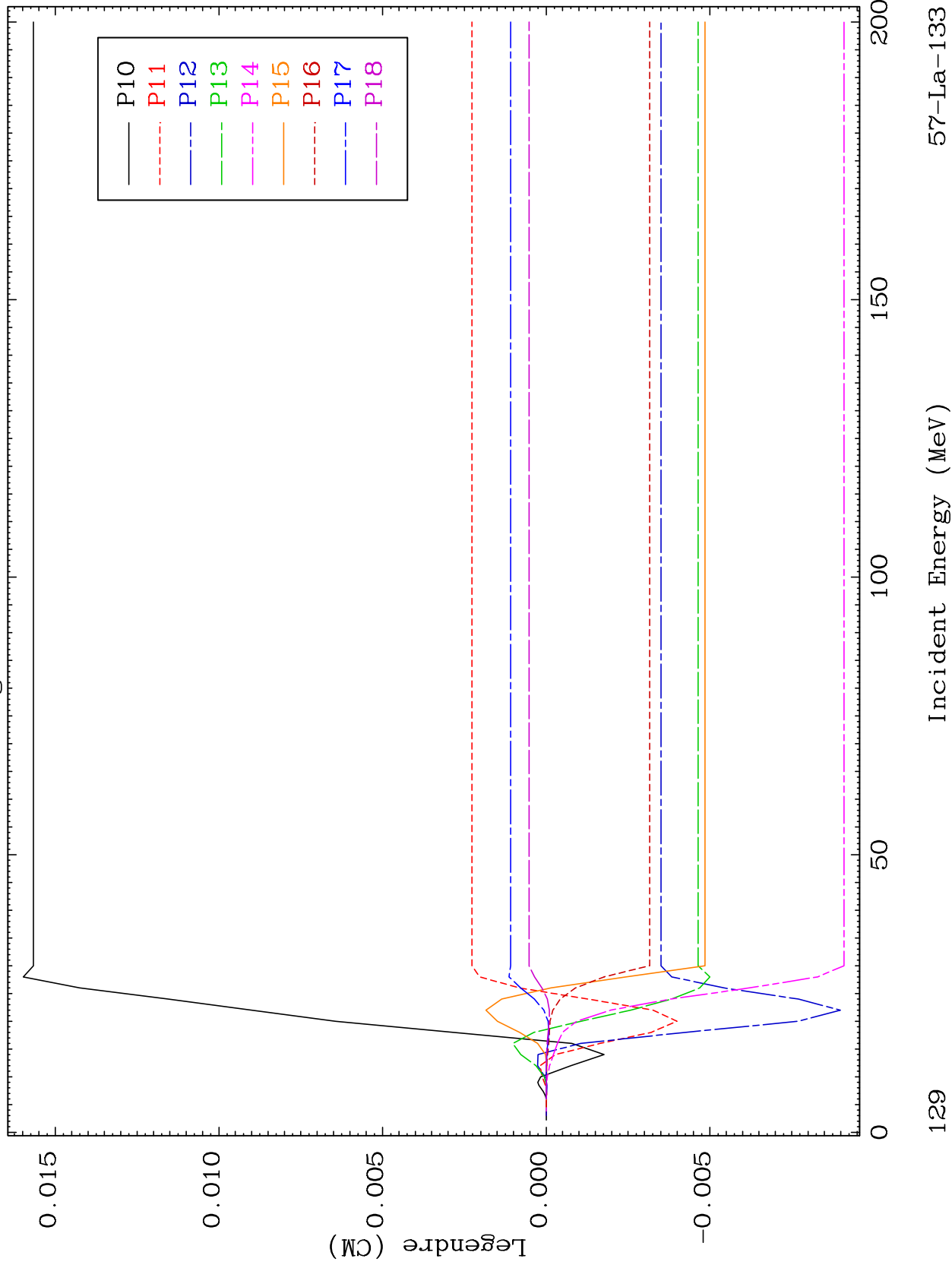
Incident Energy (MeV)

128

MAT 5710

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

57-La-133



129

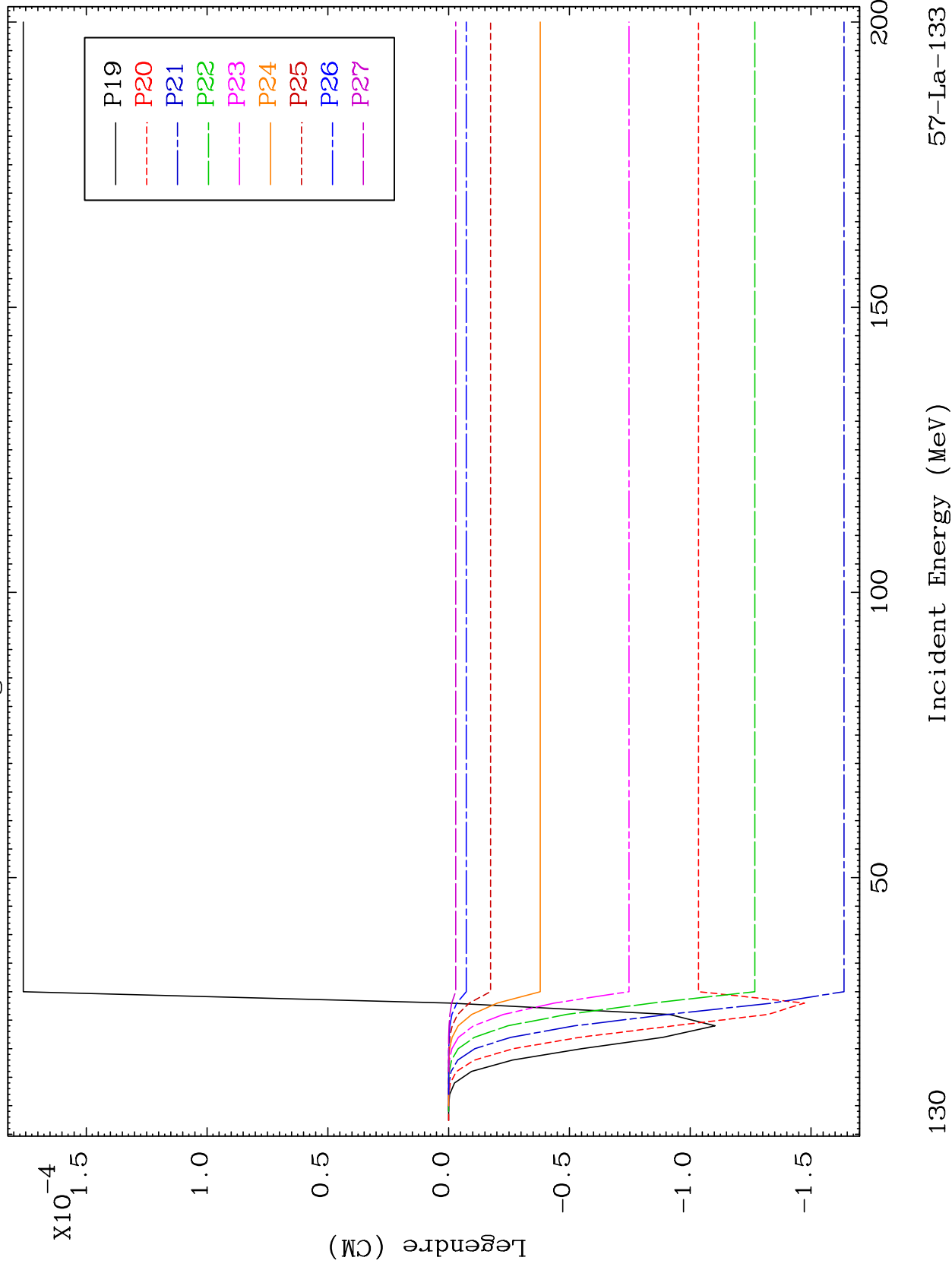
Incident Energy (MeV)

57-La-133

MAT 5710

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

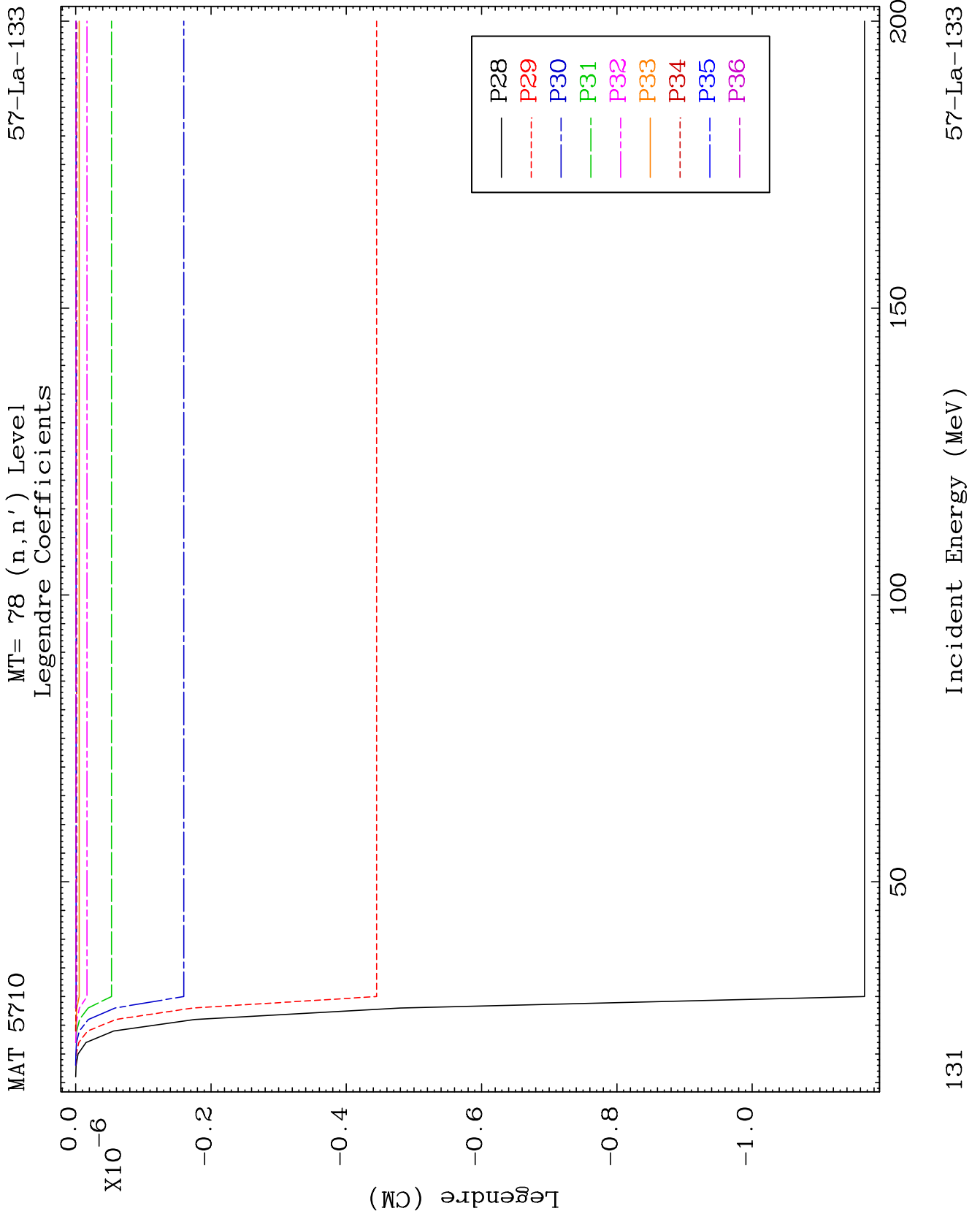
57-La-133



130

Incident Energy (MeV)

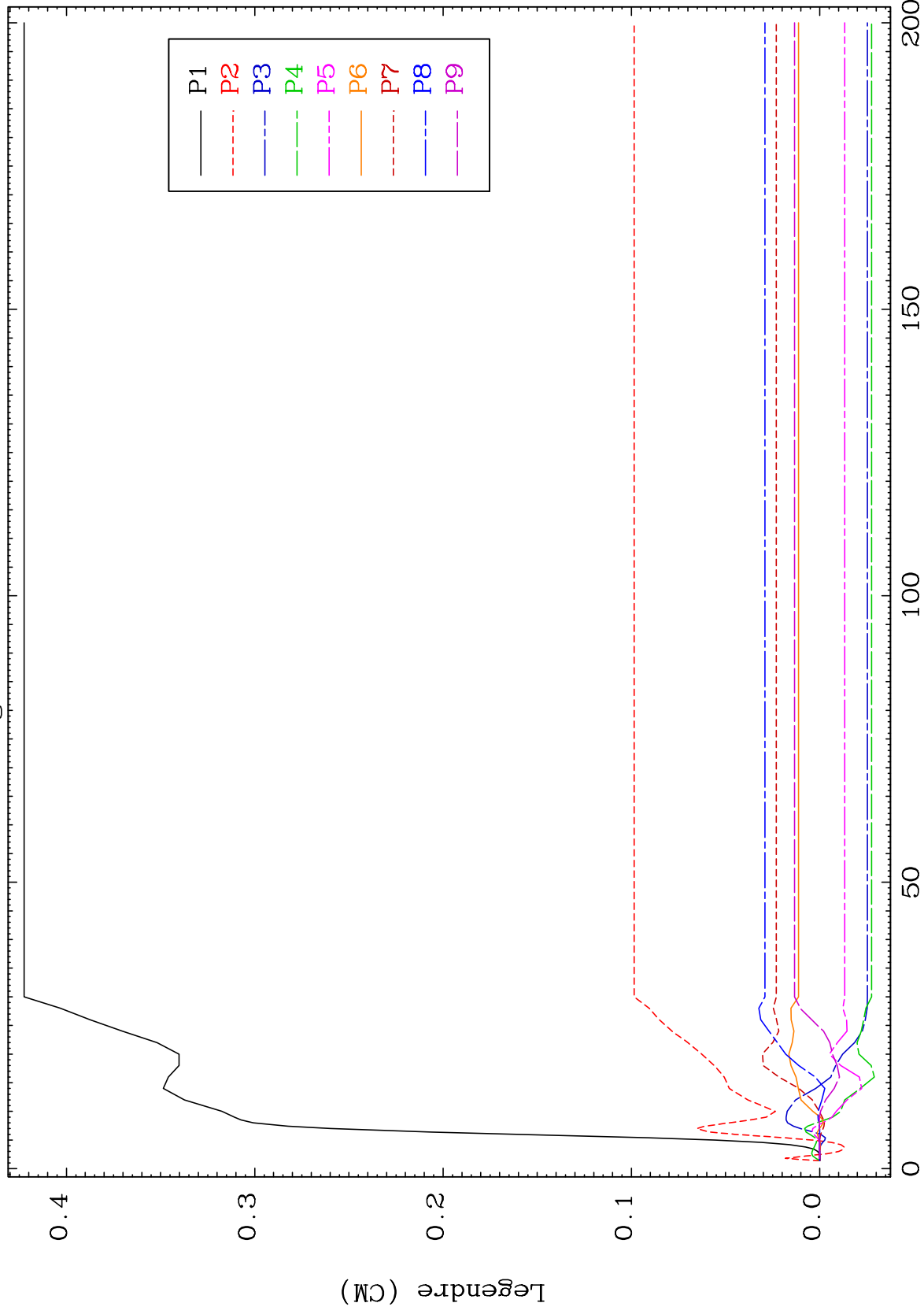
57-La-133



MAT 5710

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

57-La-133



57-La-133

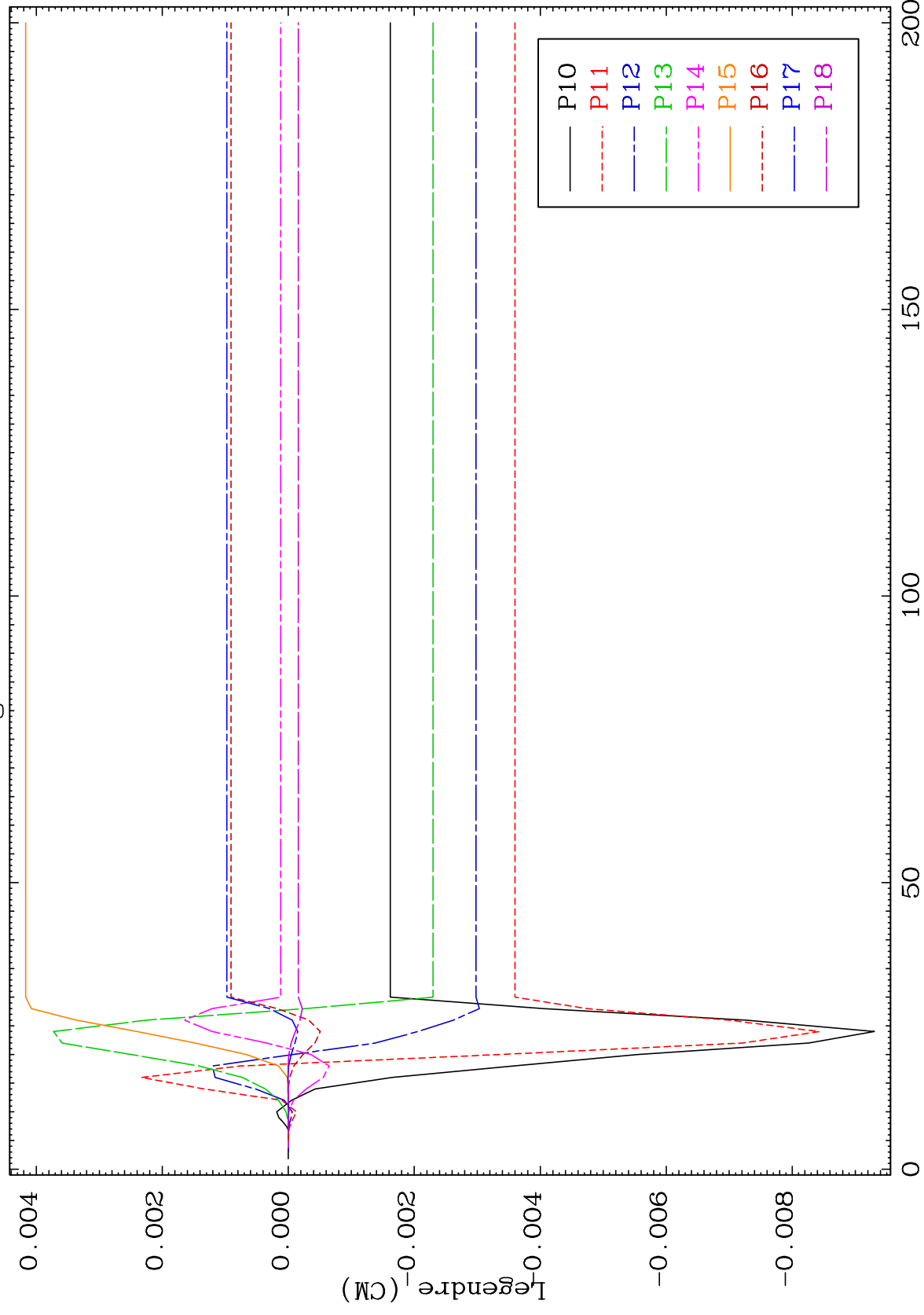
Incident Energy (MeV)

132

MAT 5710

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

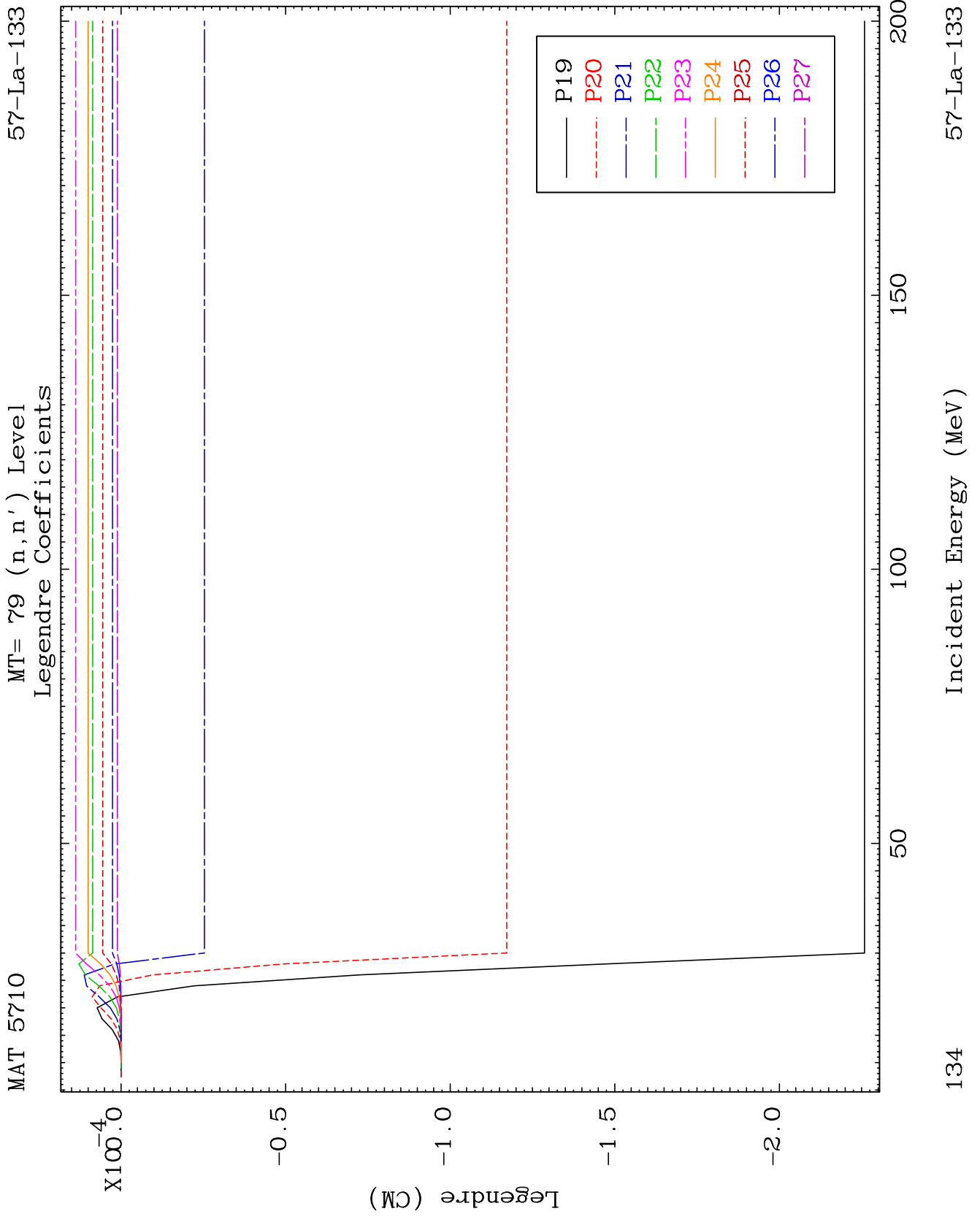
57-La-133



133

Incident Energy (MeV)

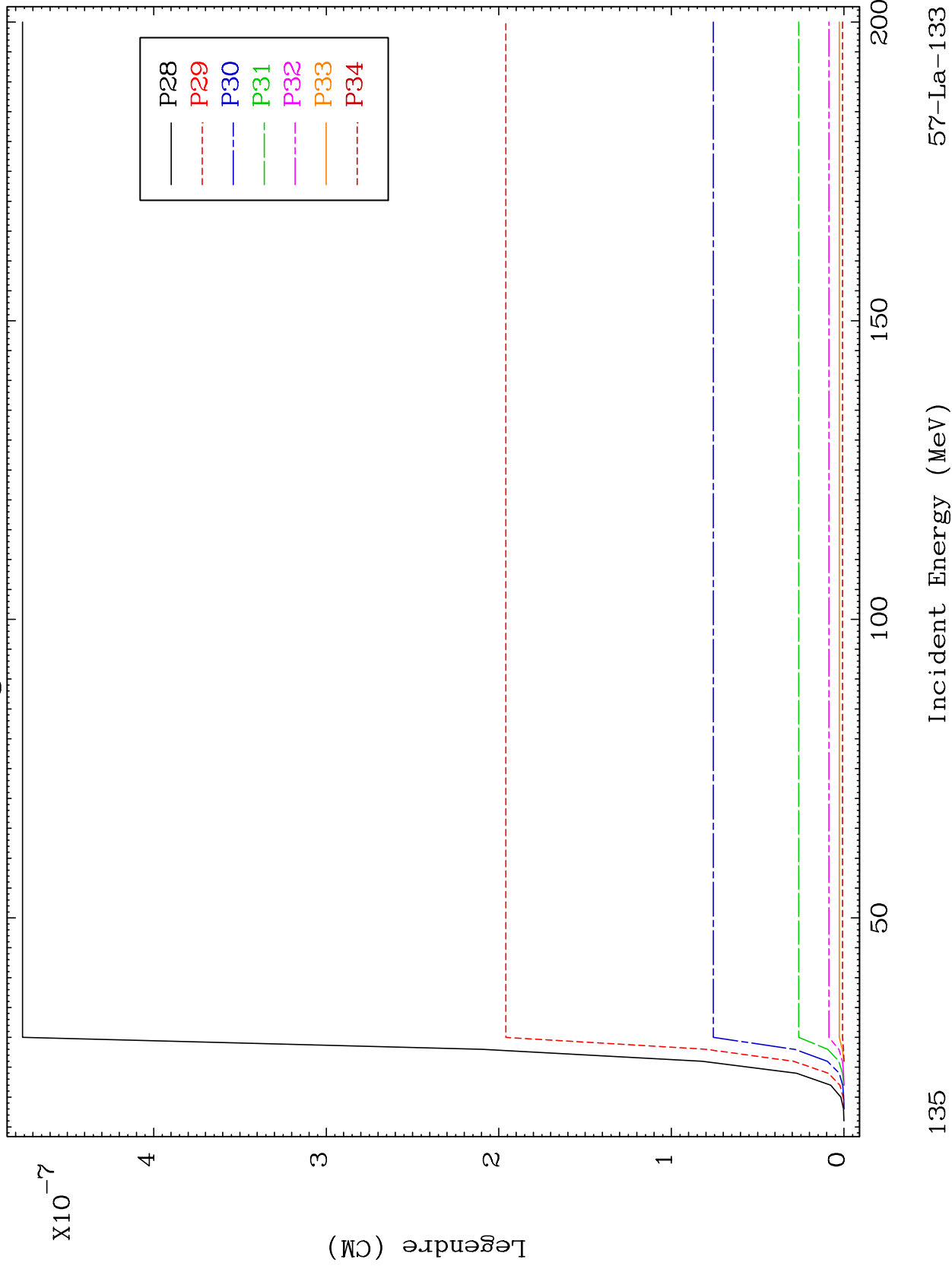
57-La-133



MAT 5710

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

57-La-133

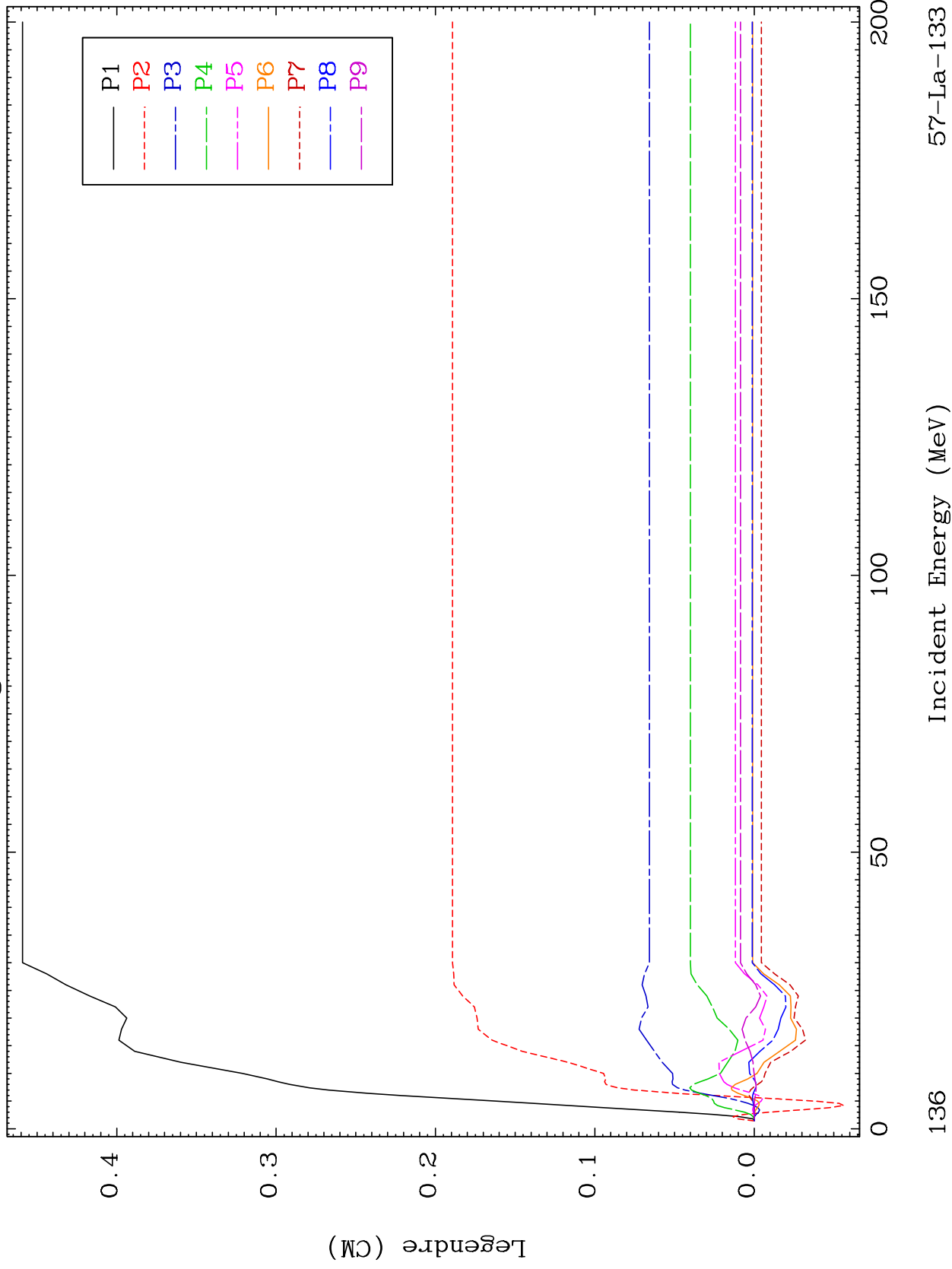




MAT 5710

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

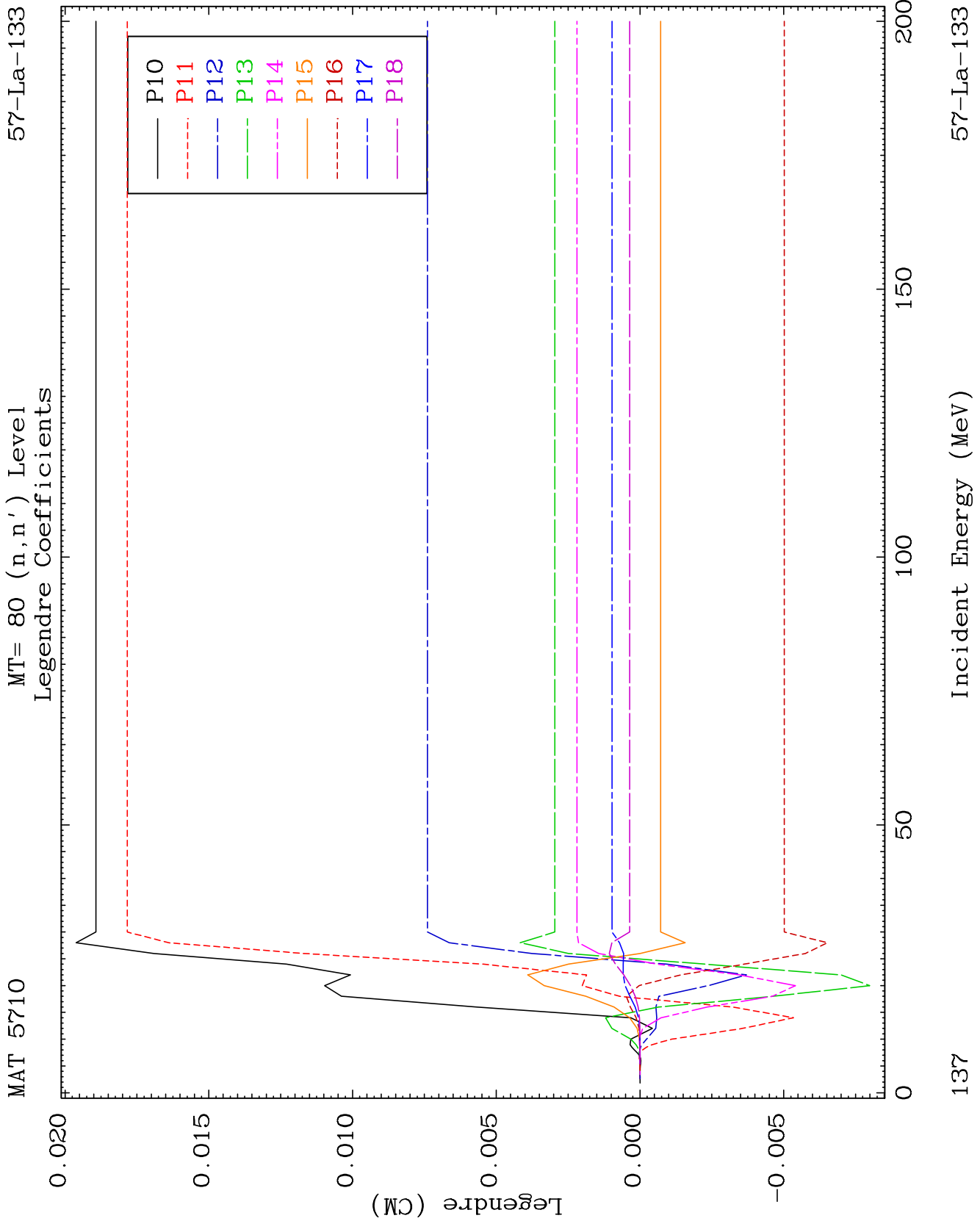
57-La-133



57-La-133

Incident Energy (MeV)

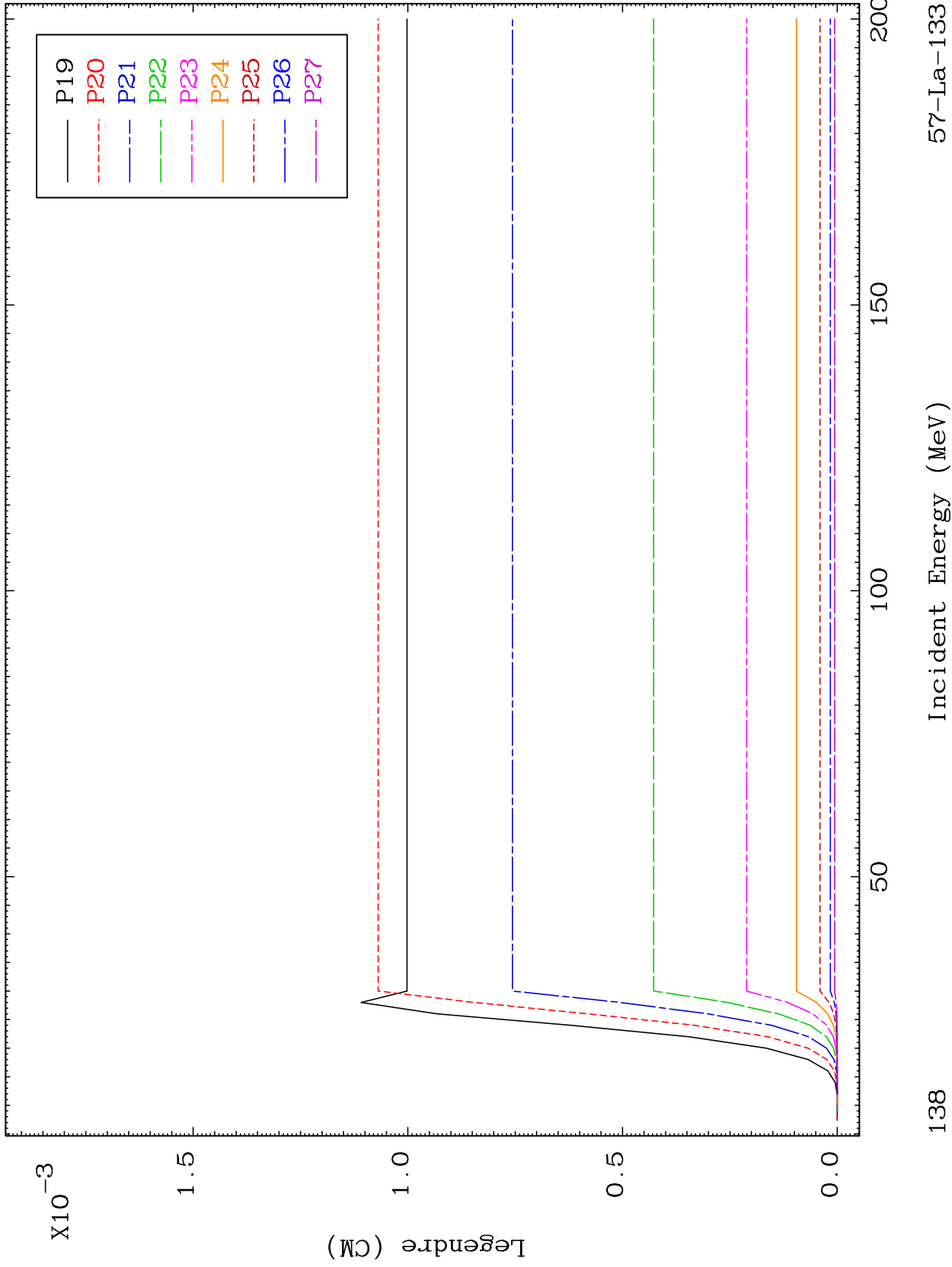
136



MAT 5710

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

57-La-133



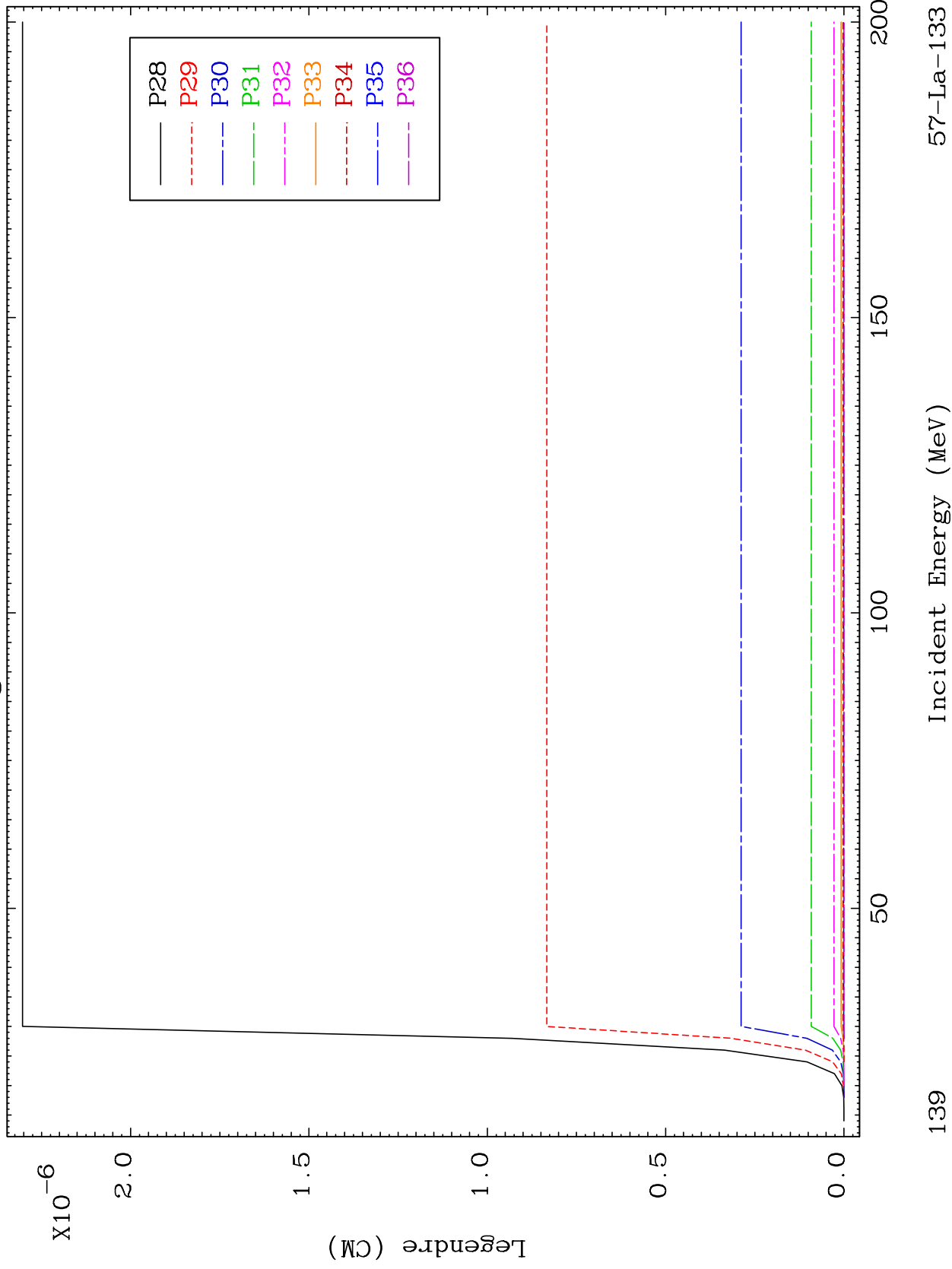
138

57-La-133

MAT 5710

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

57-La-133

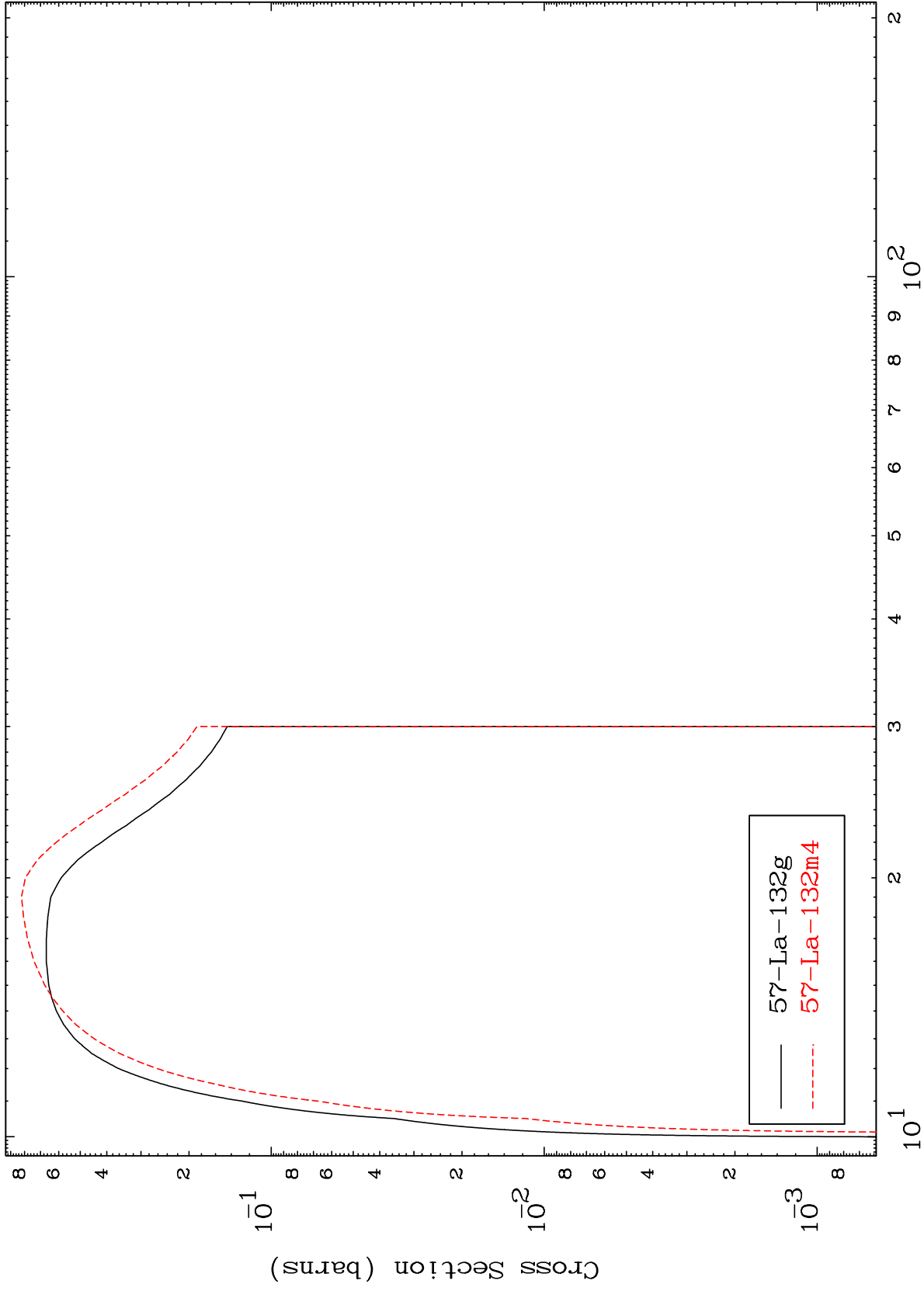


139

MAT 5710

57-La-133

(n,2n)  
Radionuclide Production Cross Section



57-La-133

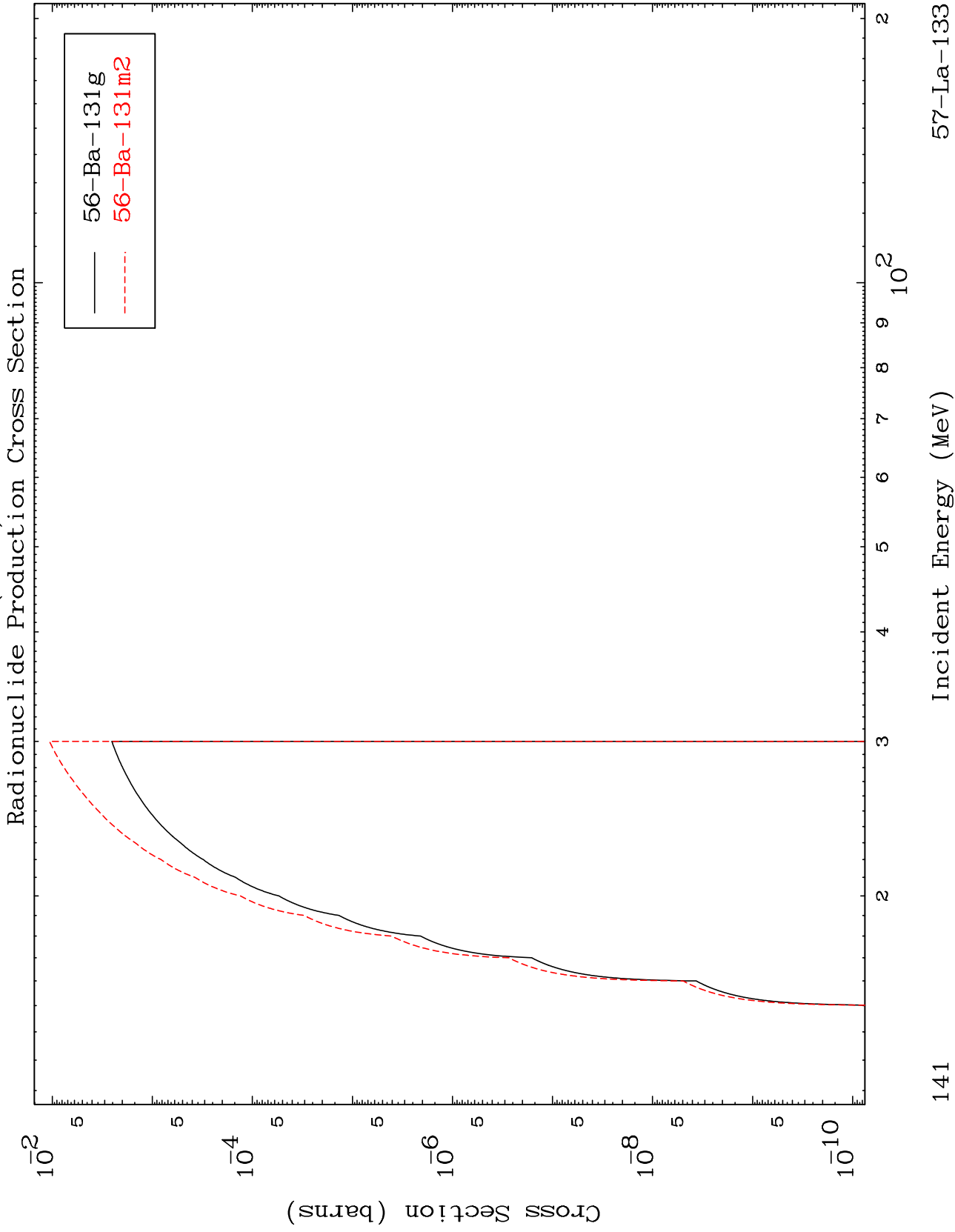
Incident Energy (MeV)

140

MAT 5710

(n,n') d

57-La-133



141

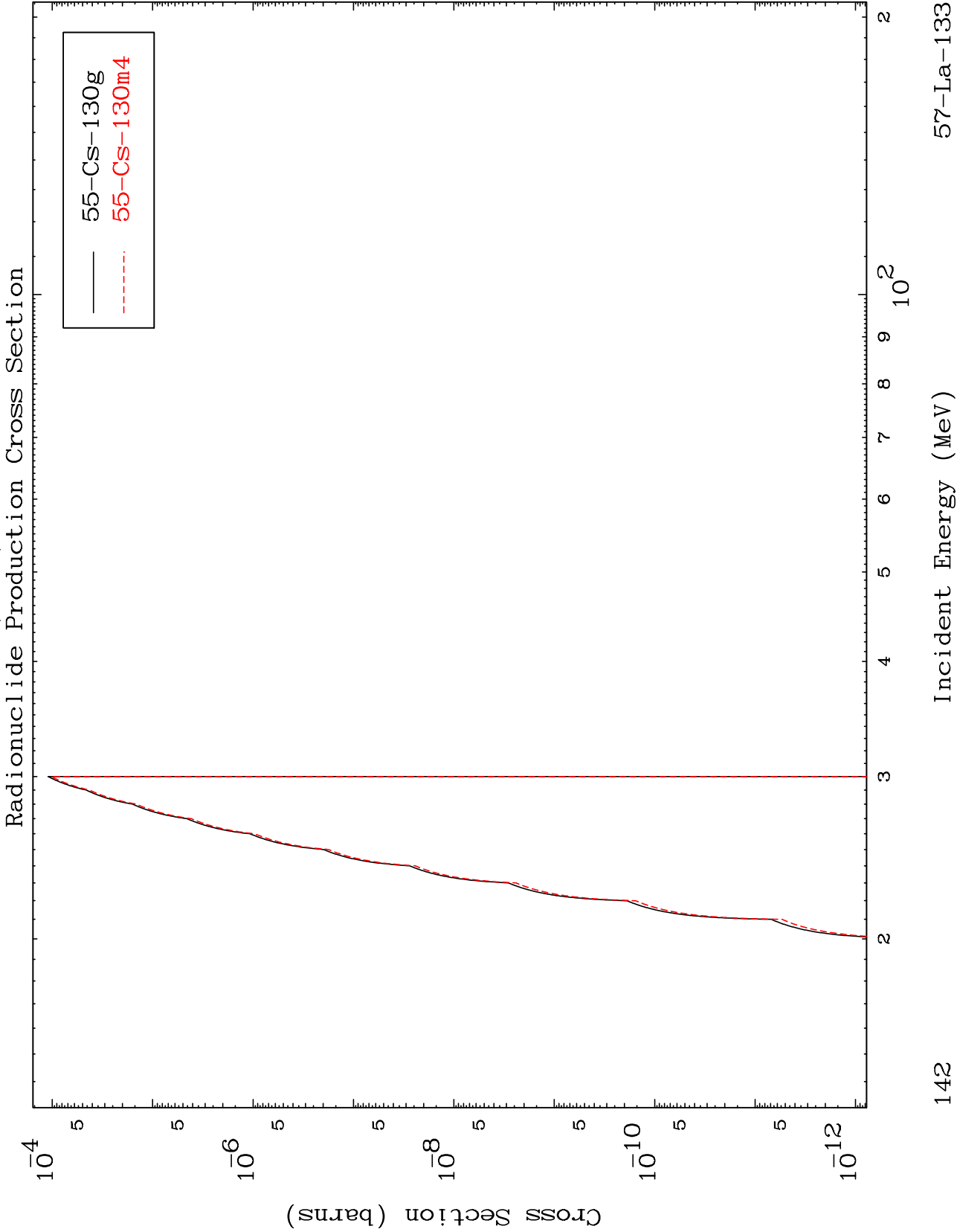
Incident Energy (MeV)

57-La-133

MAT 5710

(n,n') He-3

57-La-133



142

Incident Energy (MeV)

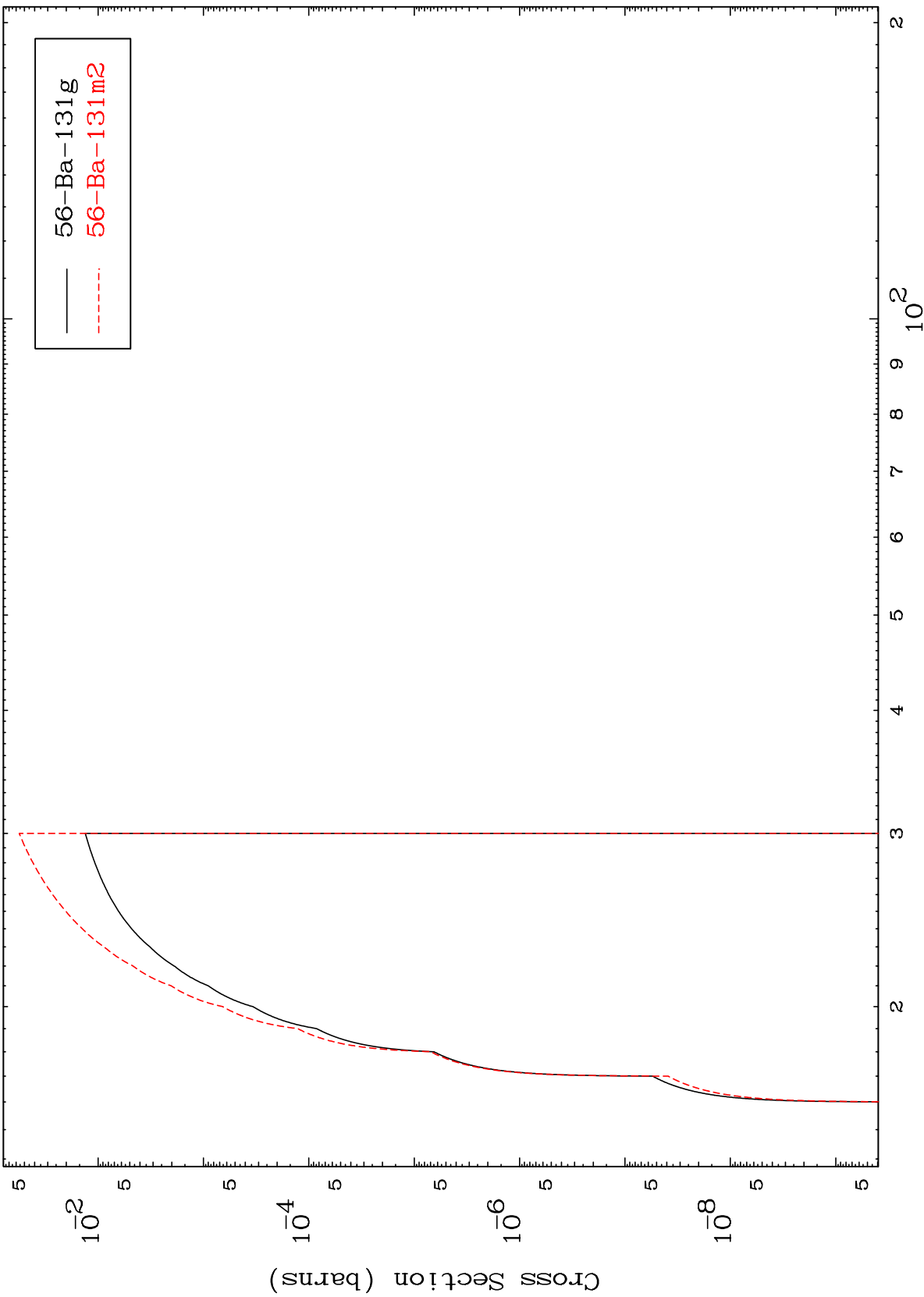
57-La-133

MAT 5710

(n,2n) p

57-La-133

Radionuclide Production Cross Section



56-Ba-131g  
56-Ba-131m2

143

Incident Energy (MeV)

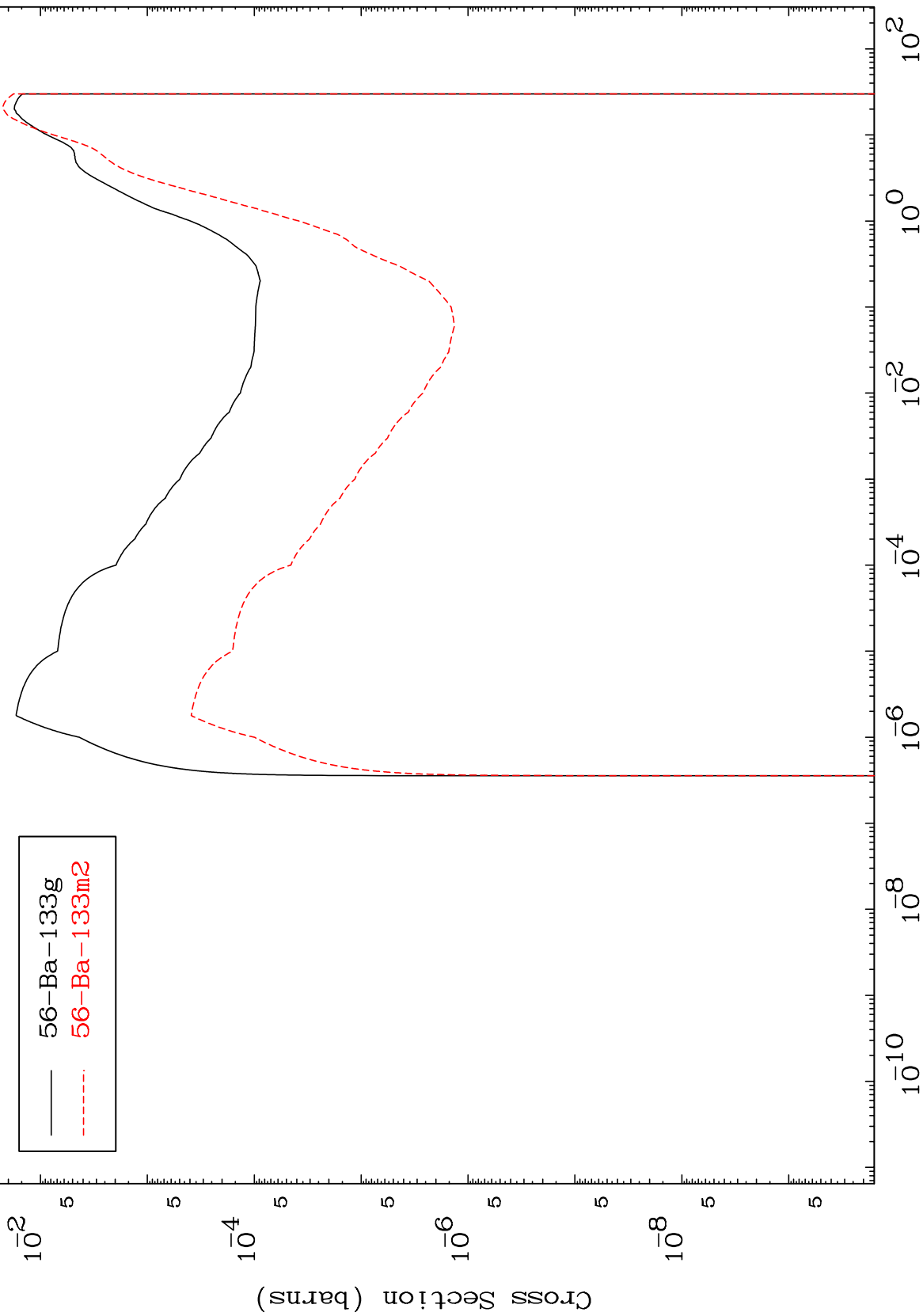
57-La-133



MAT 5710

57-La-133

Radionuclide Production Cross Section



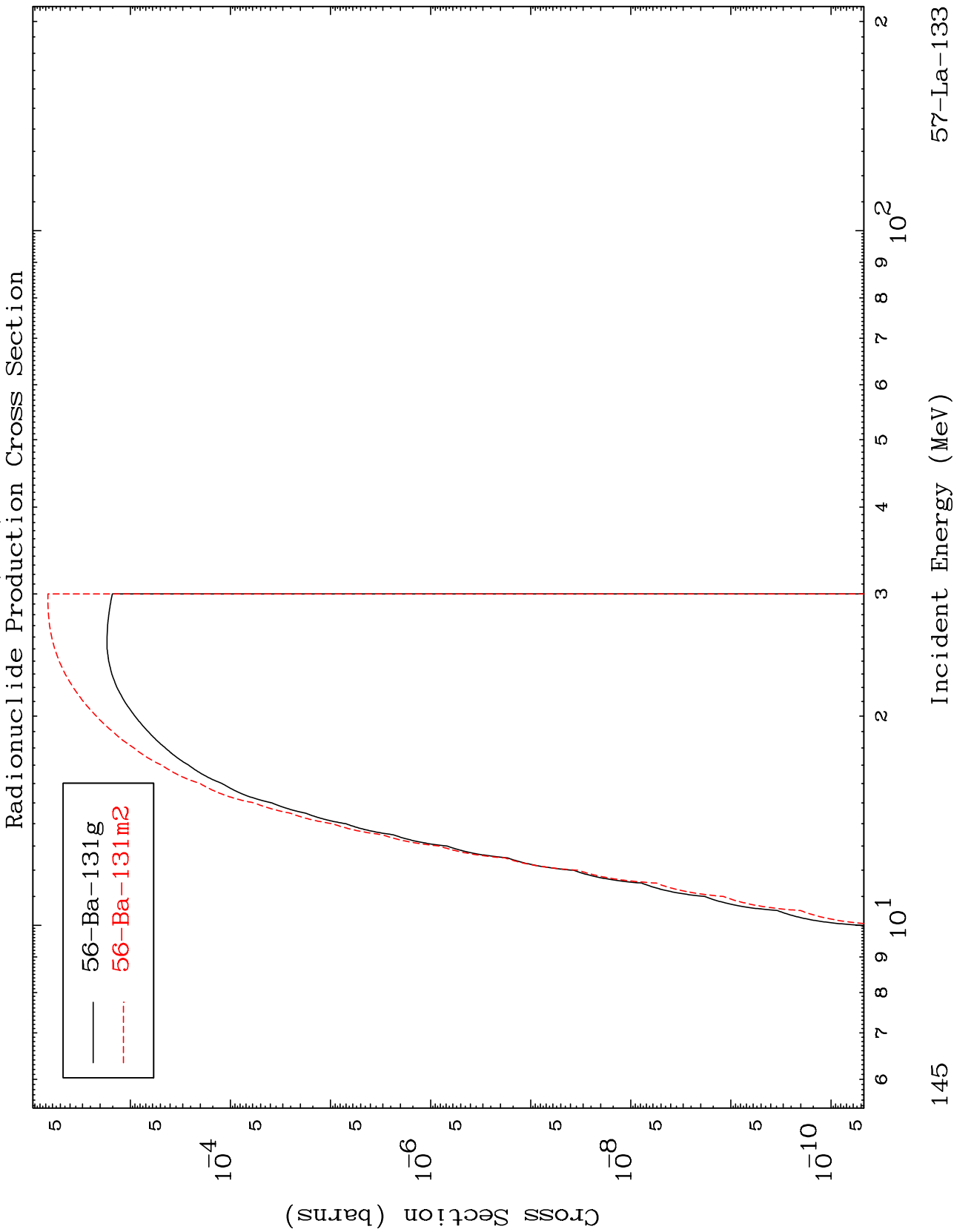
57-La-133

Incident Energy (MeV)

144

MAT 5710

57-La-133



57-La-133

Incident Energy (MeV)

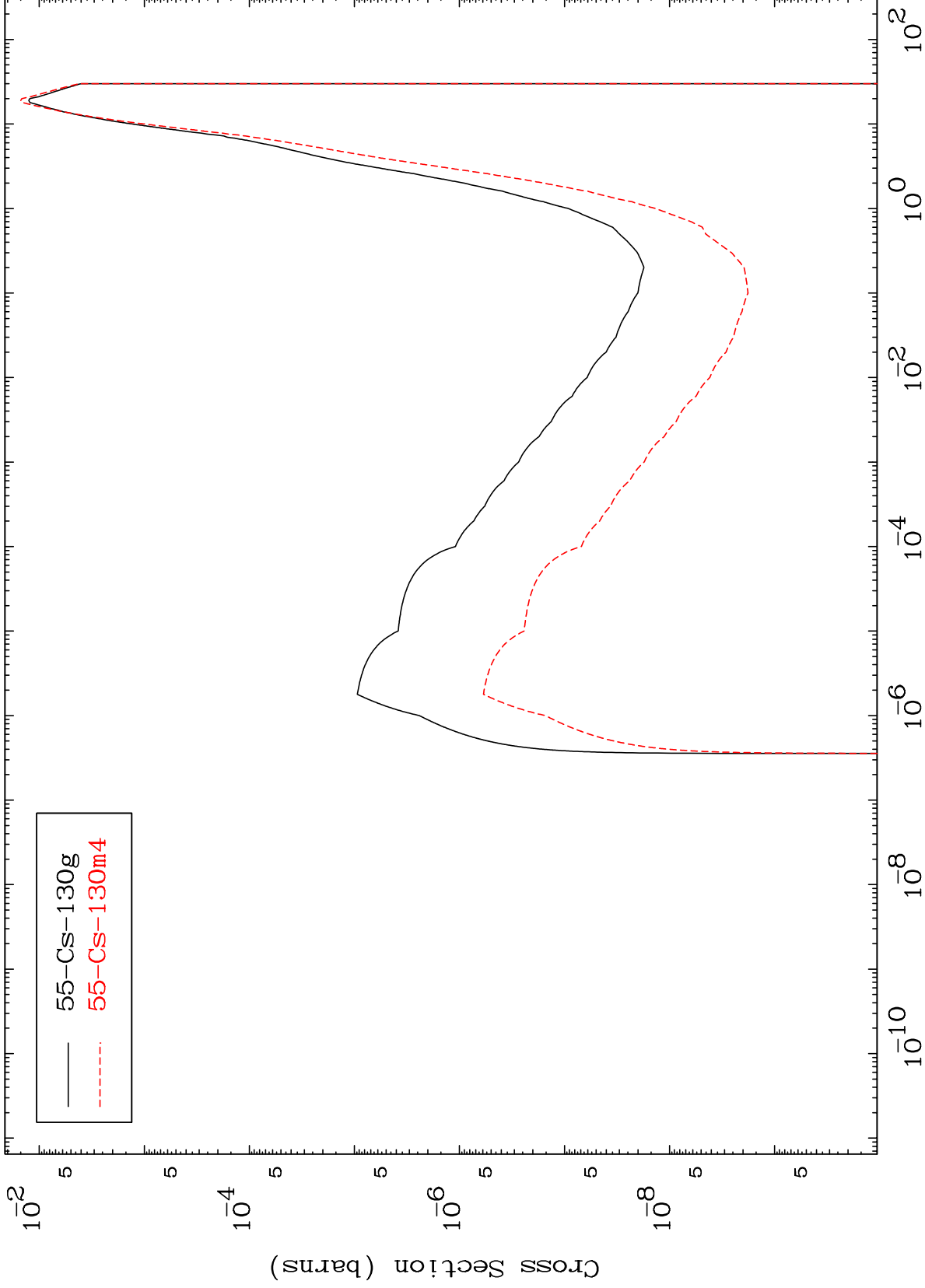
145

MAT 5710

(n,  $\alpha$ )

57-La-133

Radionuclide Production Cross Section



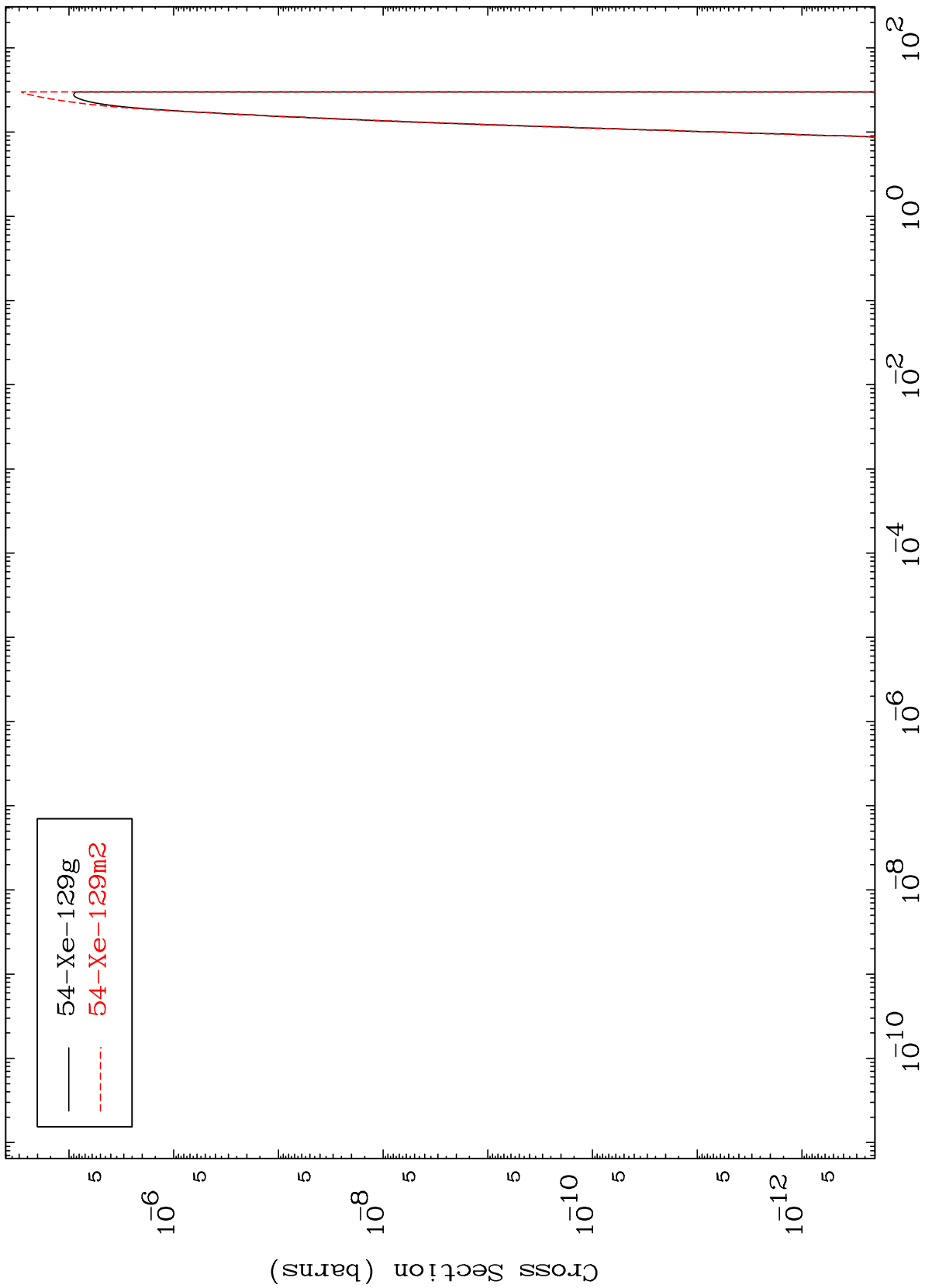
146

MAT 5710

(n,p)  $\alpha$

57-La-133

Radionuclide Production Cross Section

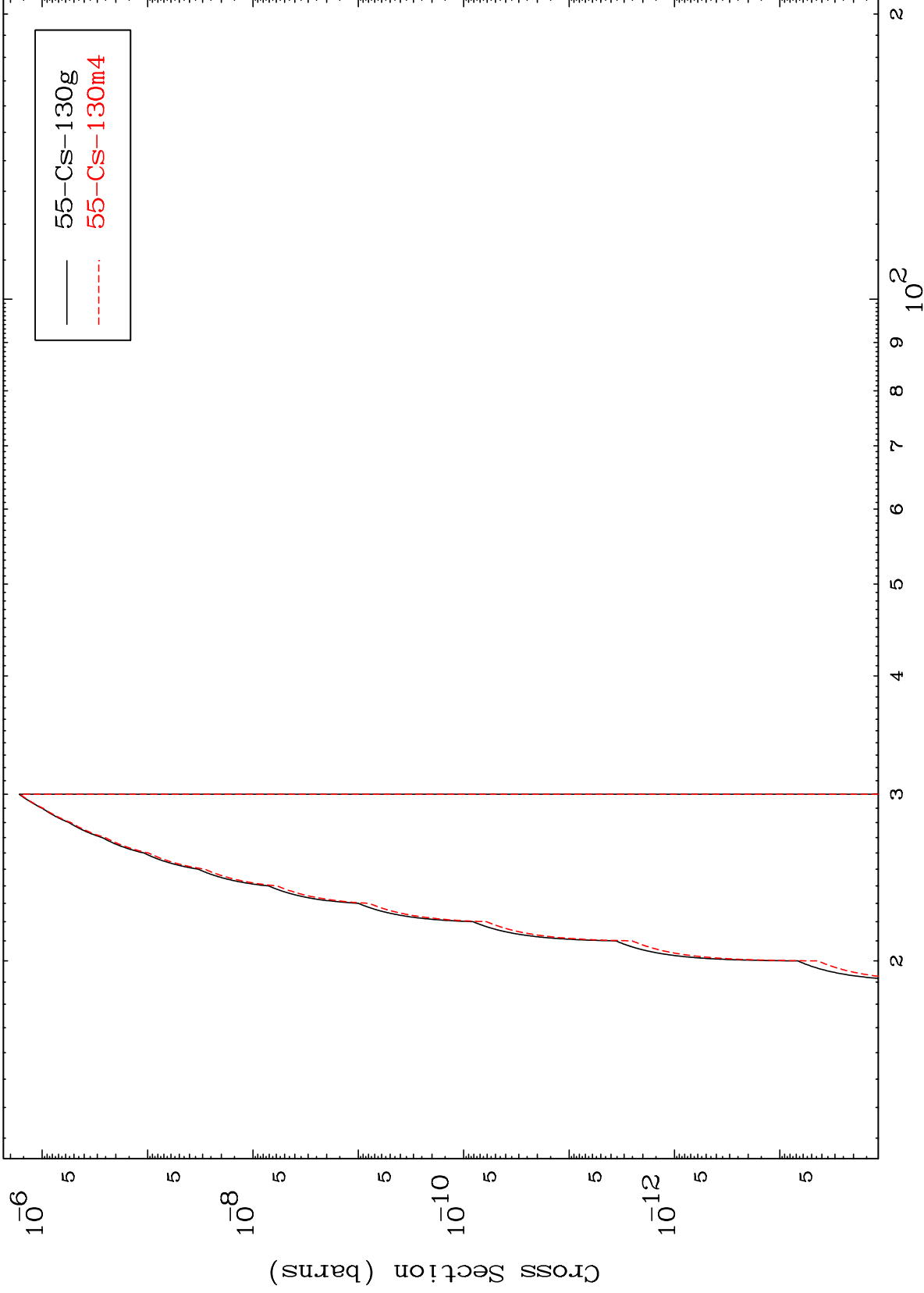


MAT 5710

(n,p) t

57-La-133

Radionuclide Production Cross Section



148

Incident Energy (MeV)

57-La-133