

Program EVALPLOT
(Version 2018-1)

by

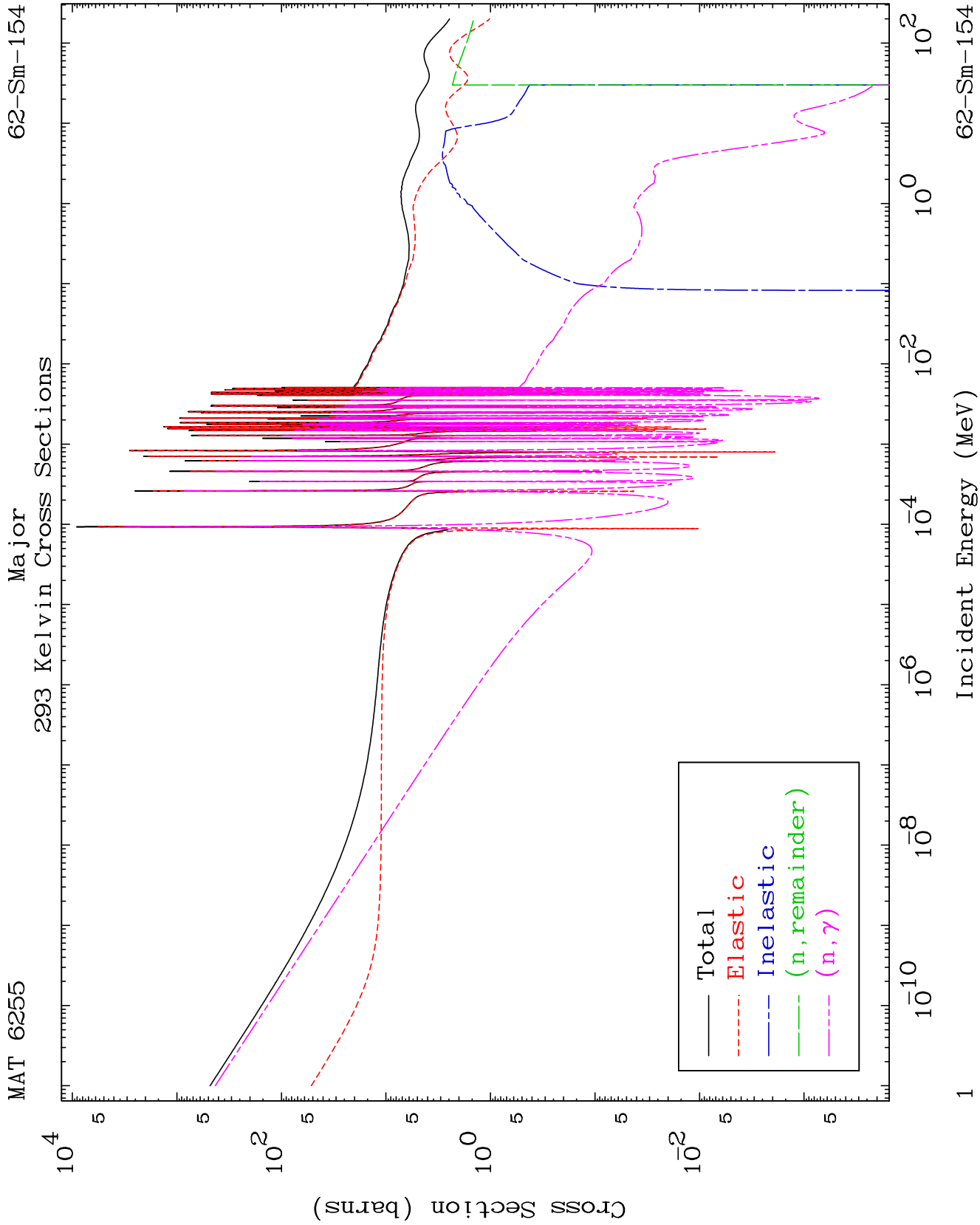
Dermott E. Cullen
(Present Contact Information)

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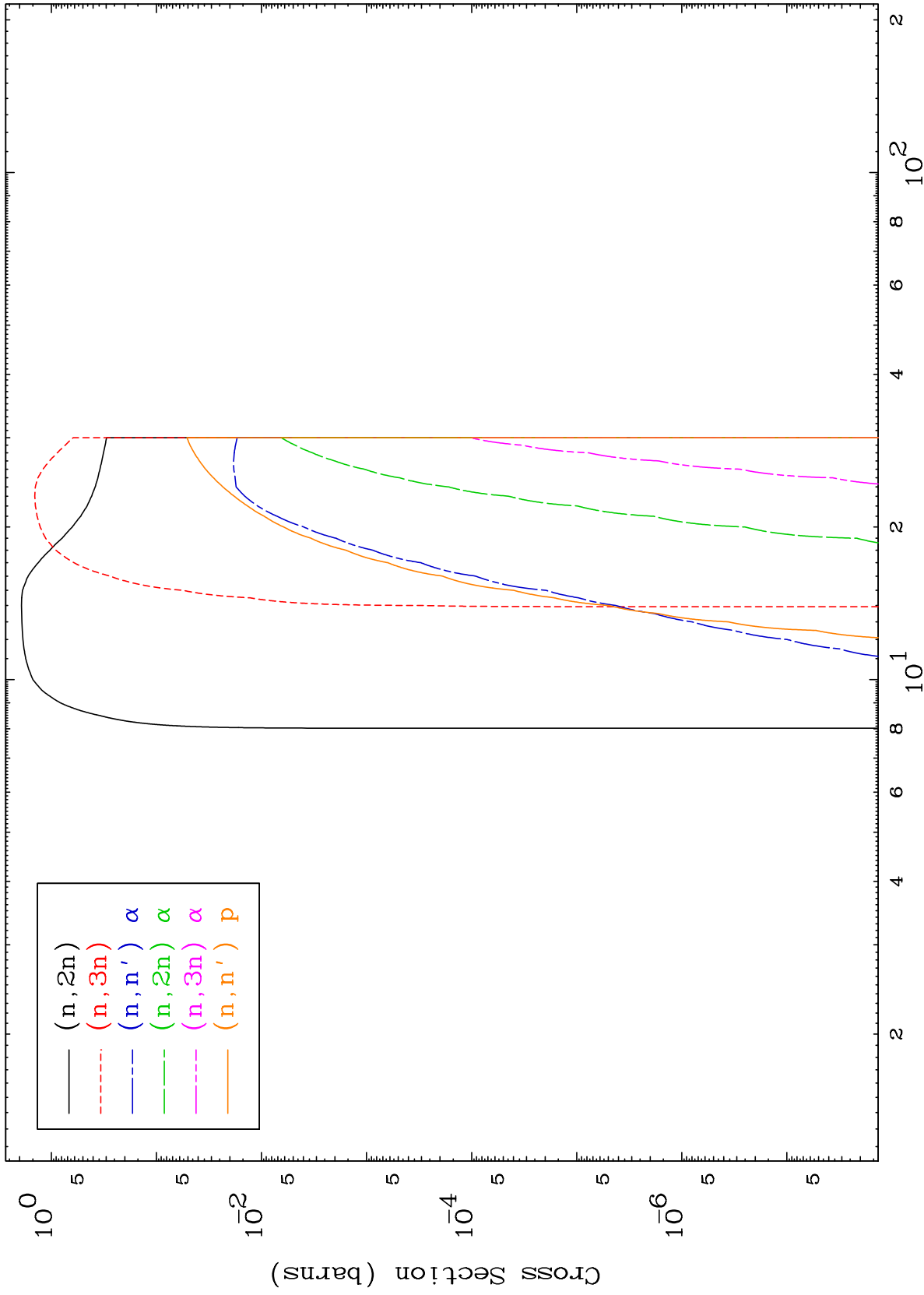
Press Mouse Button to Start



MAT 6255

Neutron Production 293 Kelvin Cross Sections

62-Sm-154



2

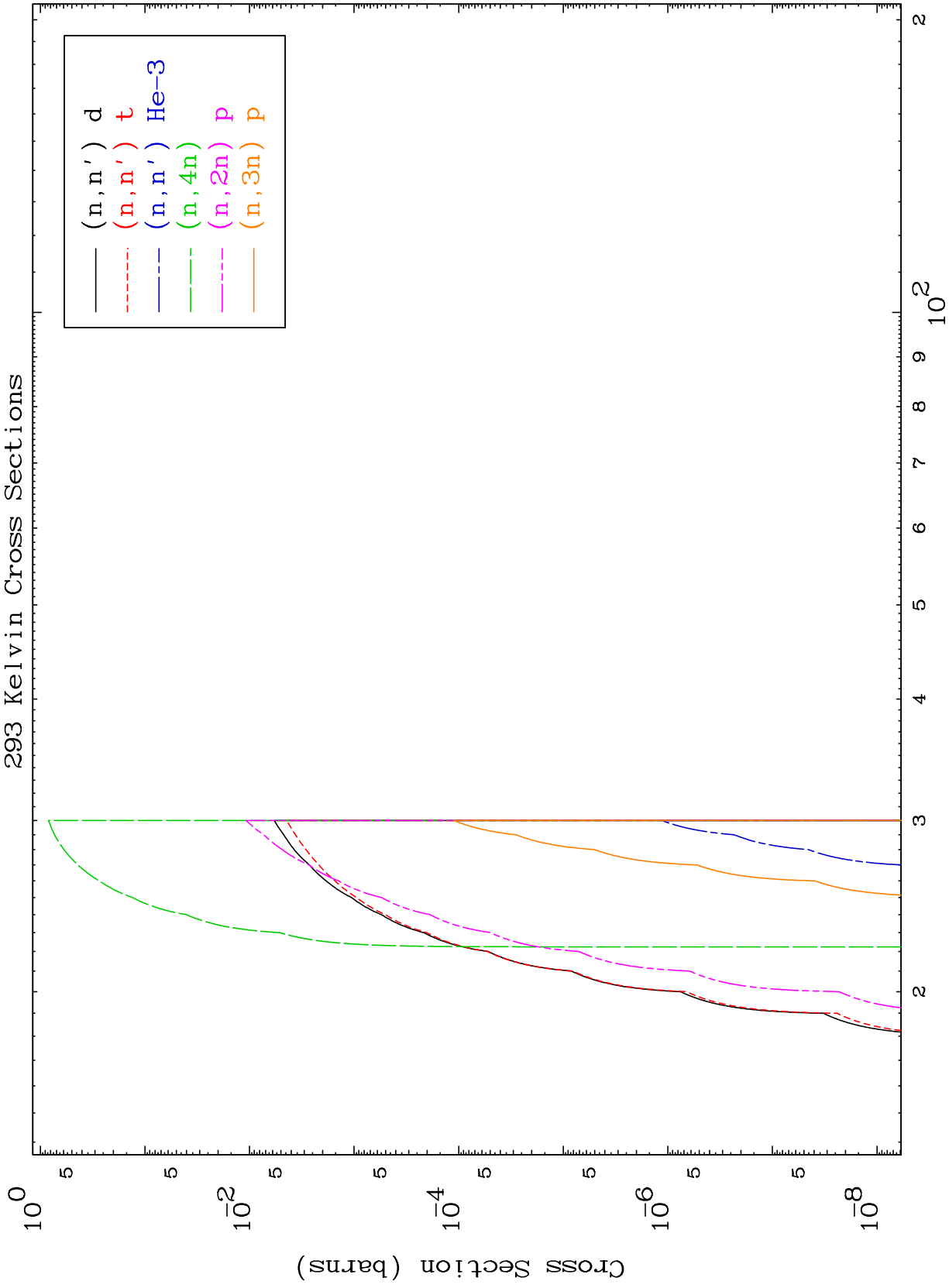
Incident Energy (MeV)

62-Sm-154

MAT 6255

Neutron Production
293 Kelvin Cross Sections

62-Sm-154



3

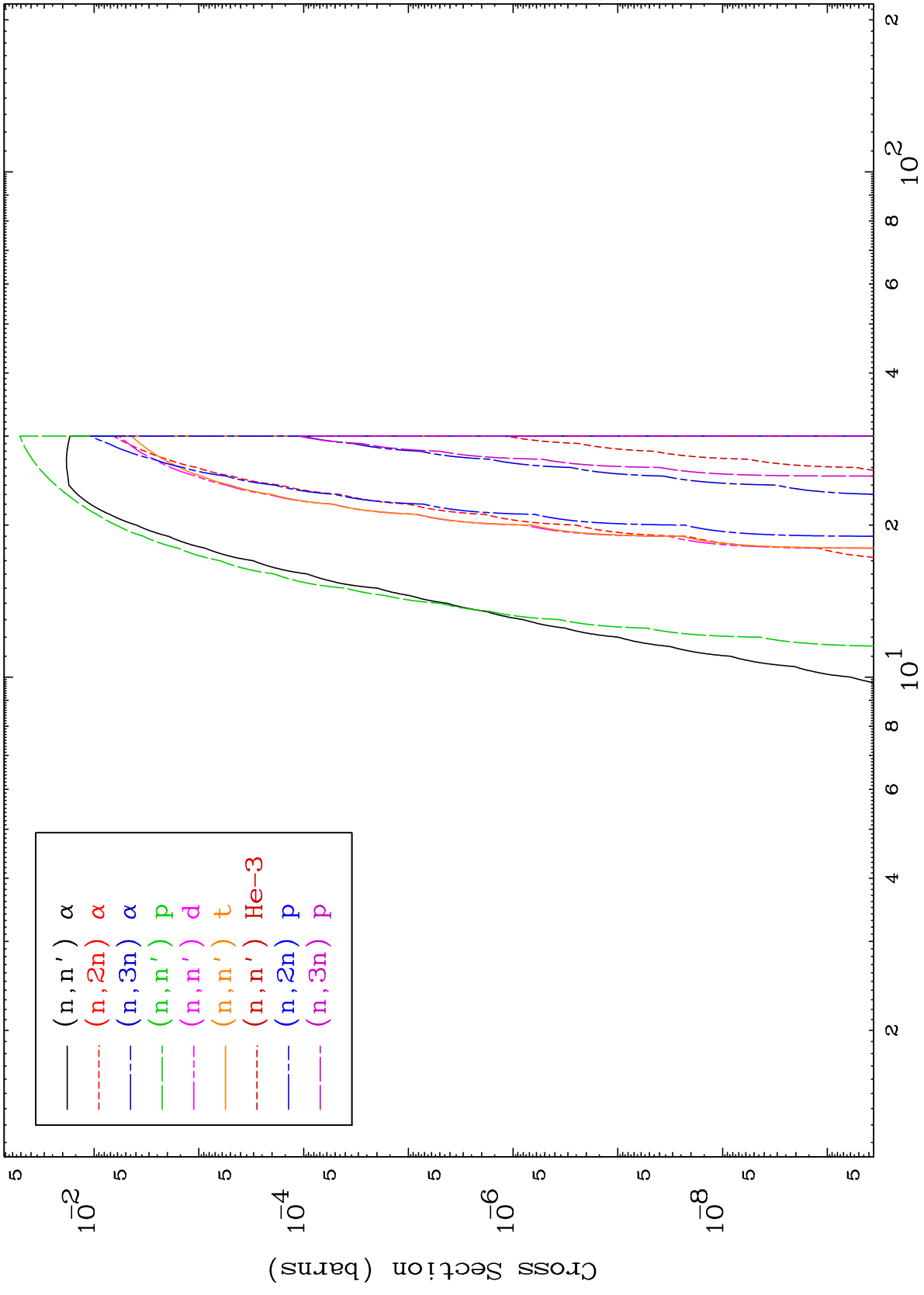
Incident Energy (MeV)

62-Sm-154

MAT 6255

293 Kelvin Cross Sections

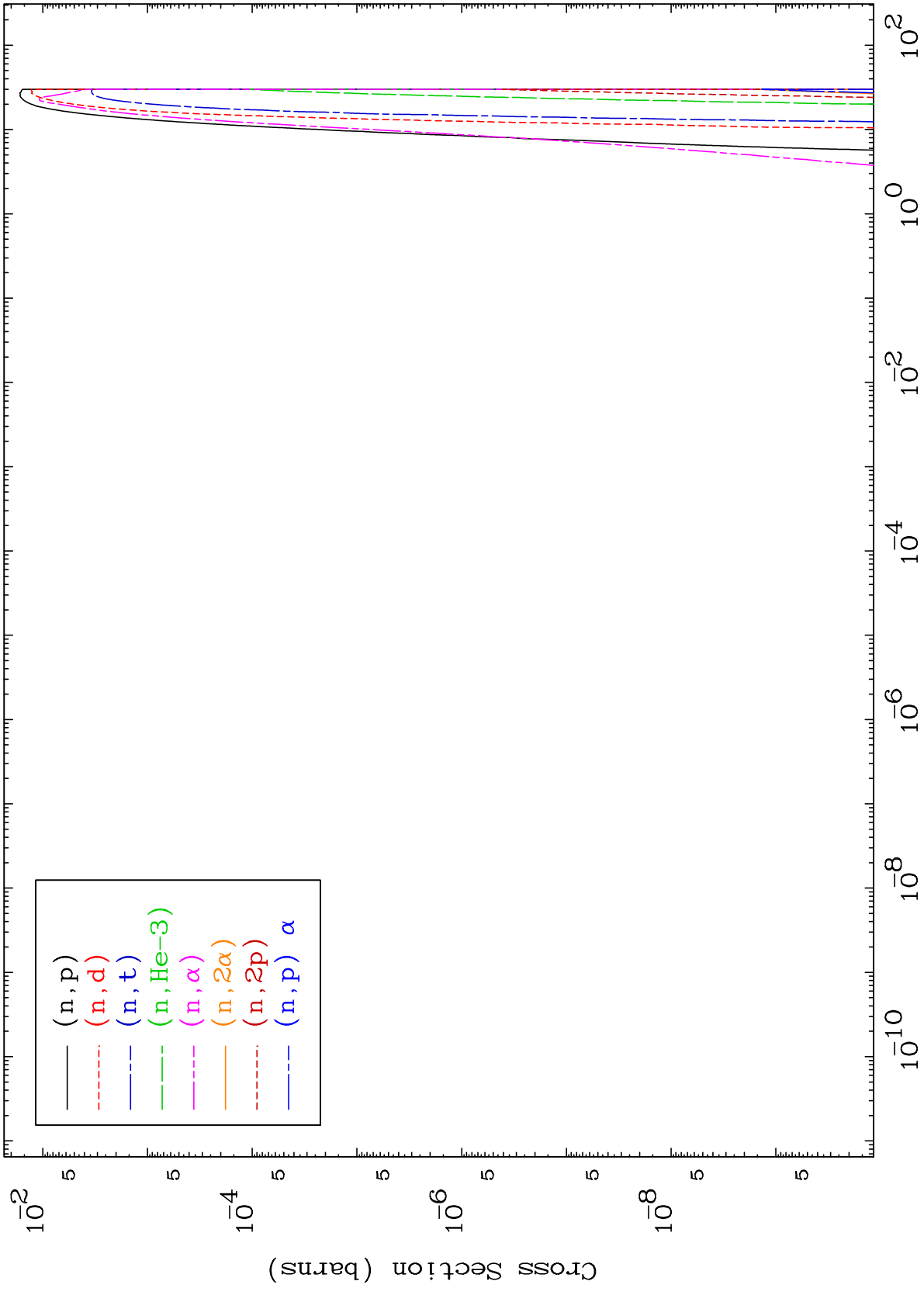
62-Sm-154



MAT 6255

Charged Particle
293 Kelvin Cross Sections

62-Sm-154

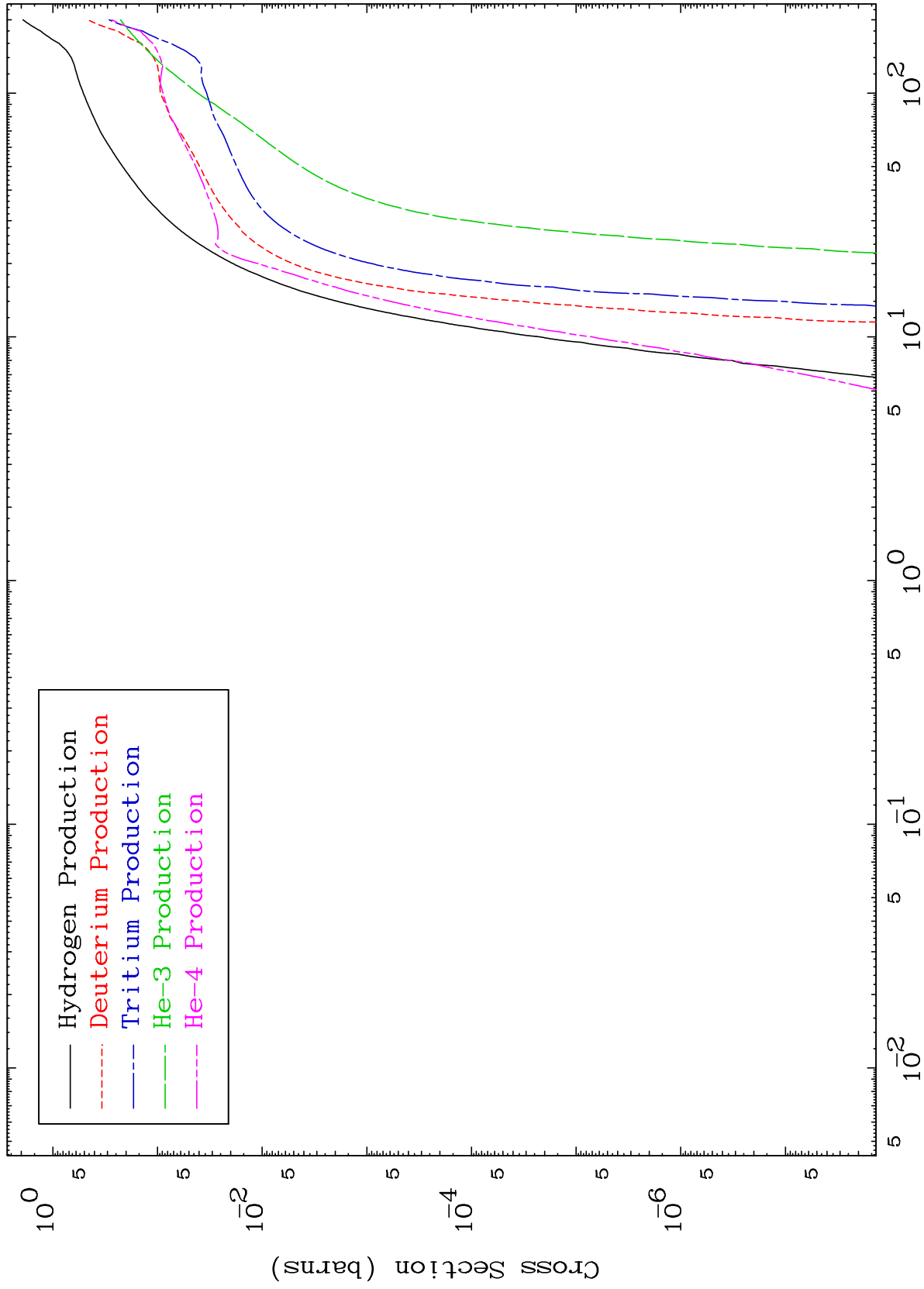


62-Sm-154

MAT 6255

Particle Production
293 Kelvin Cross Sections

62-Sm-154



6

Incident Energy (MeV)

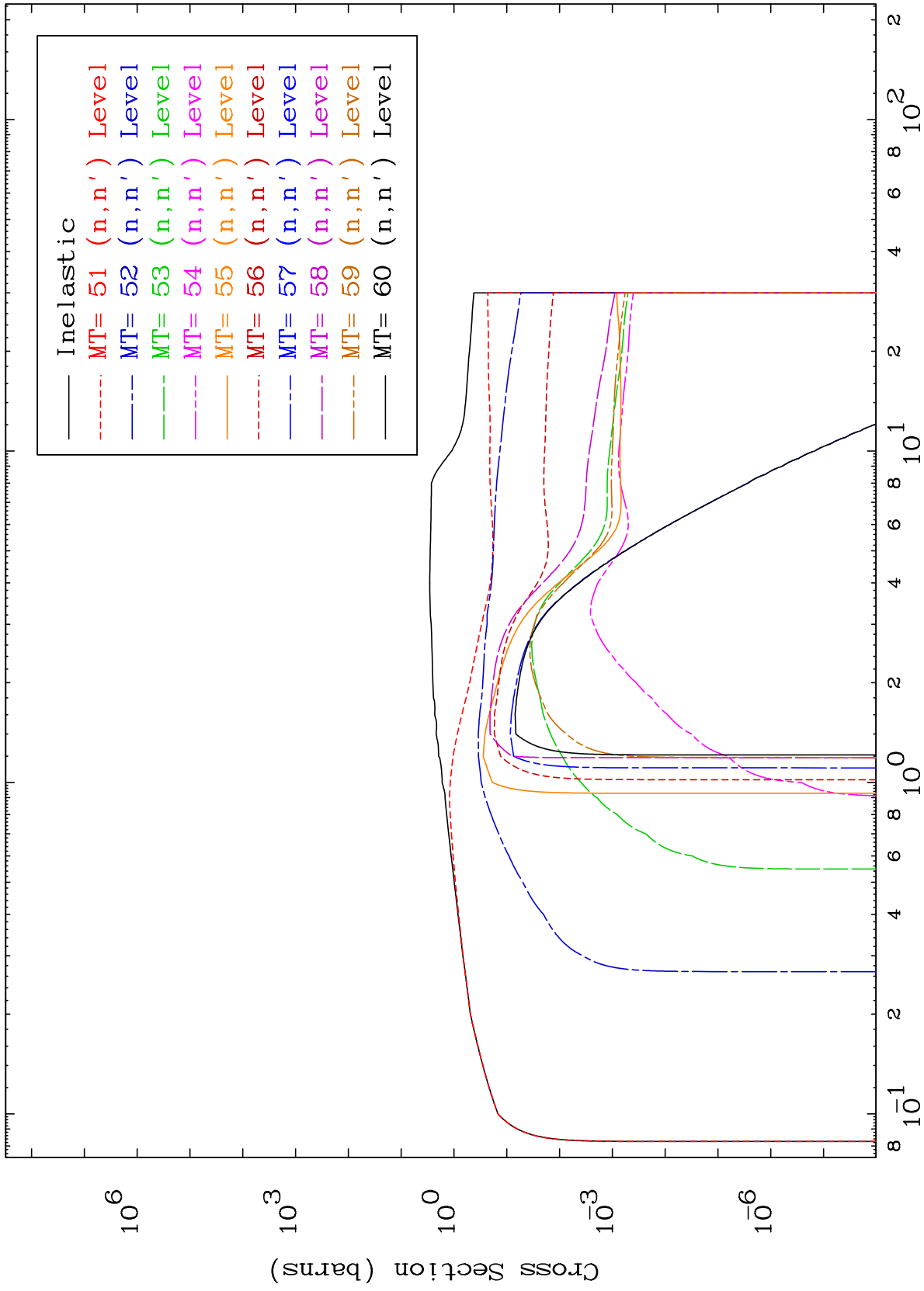
62-Sm-154

MAT 6255

(n,n') Level

62-Sm-154

293 Kelvin Cross Sections



7

Incident Energy (MeV)

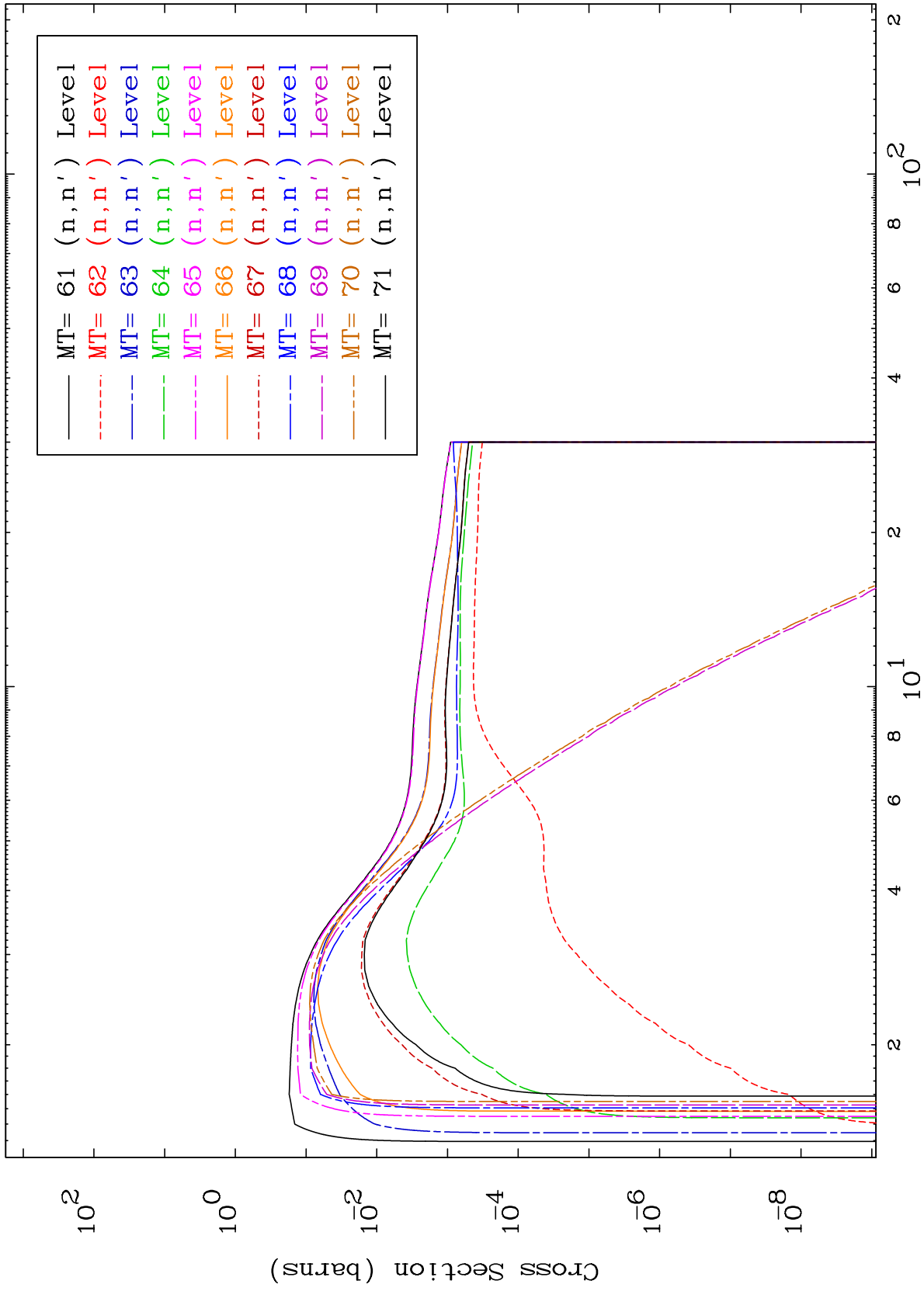
62-Sm-154

MAT 6255

(n,n') Level

62-Sm-154

293 Kelvin Cross Sections



8

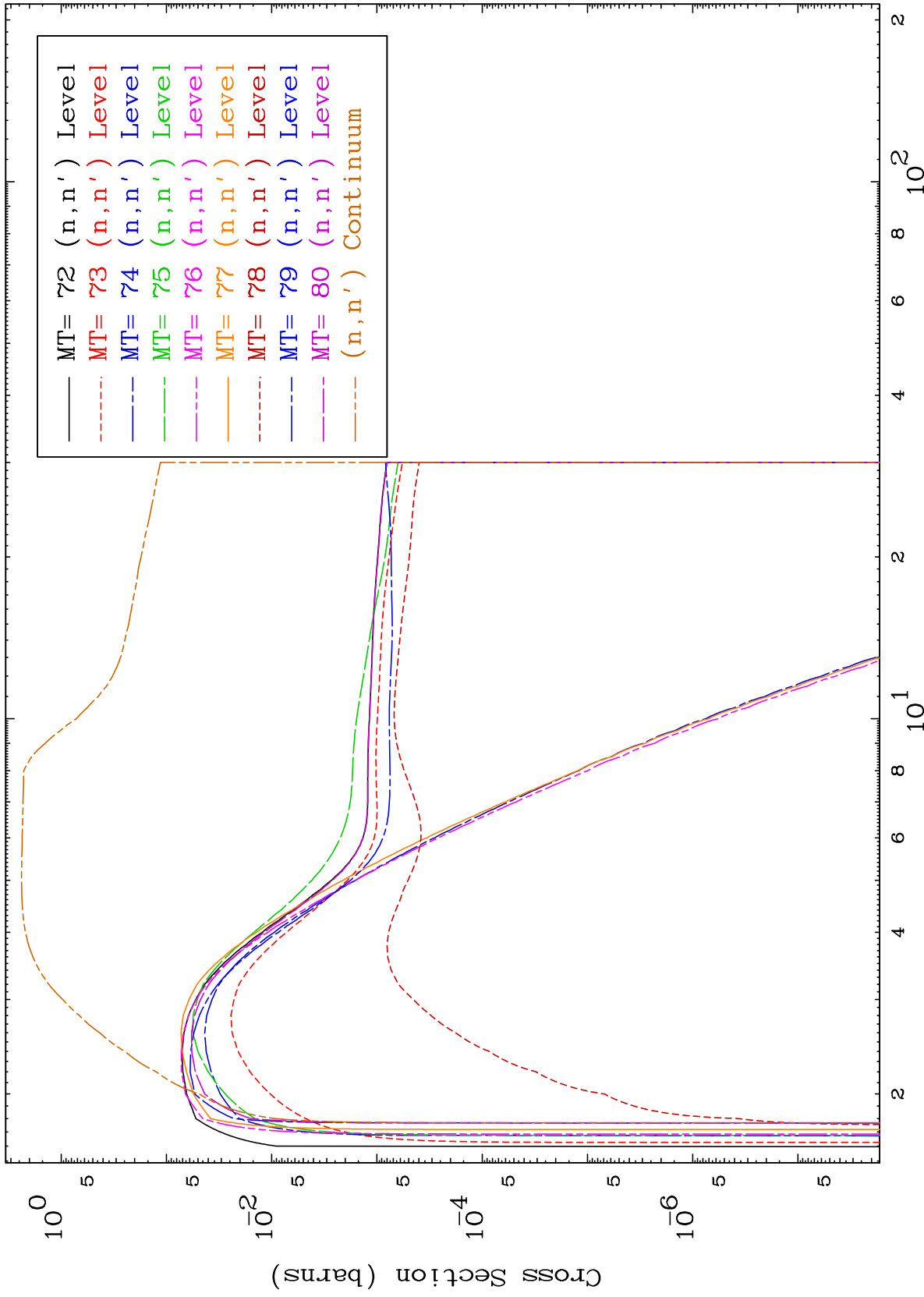
Incident Energy (MeV)

62-Sm-154

MAT 6255

(n,n') Level
293 Kelvin Cross Sections

62-Sm-154



9

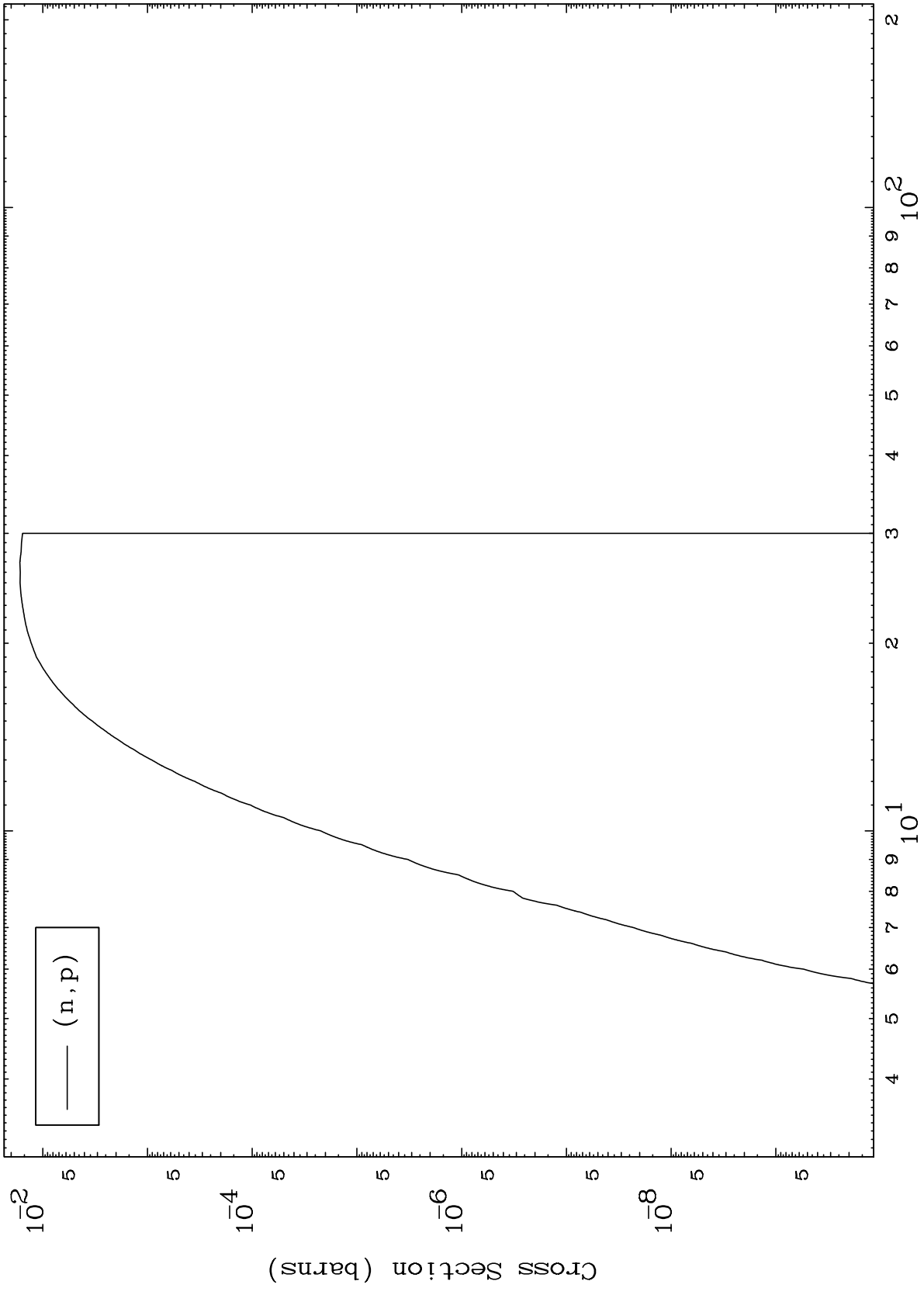
Incident Energy (MeV)

62-Sm-154

MAT 6255

(n,p) Levels
293 Kelvin Cross Sections

62-Sm-154



(n,p)

10

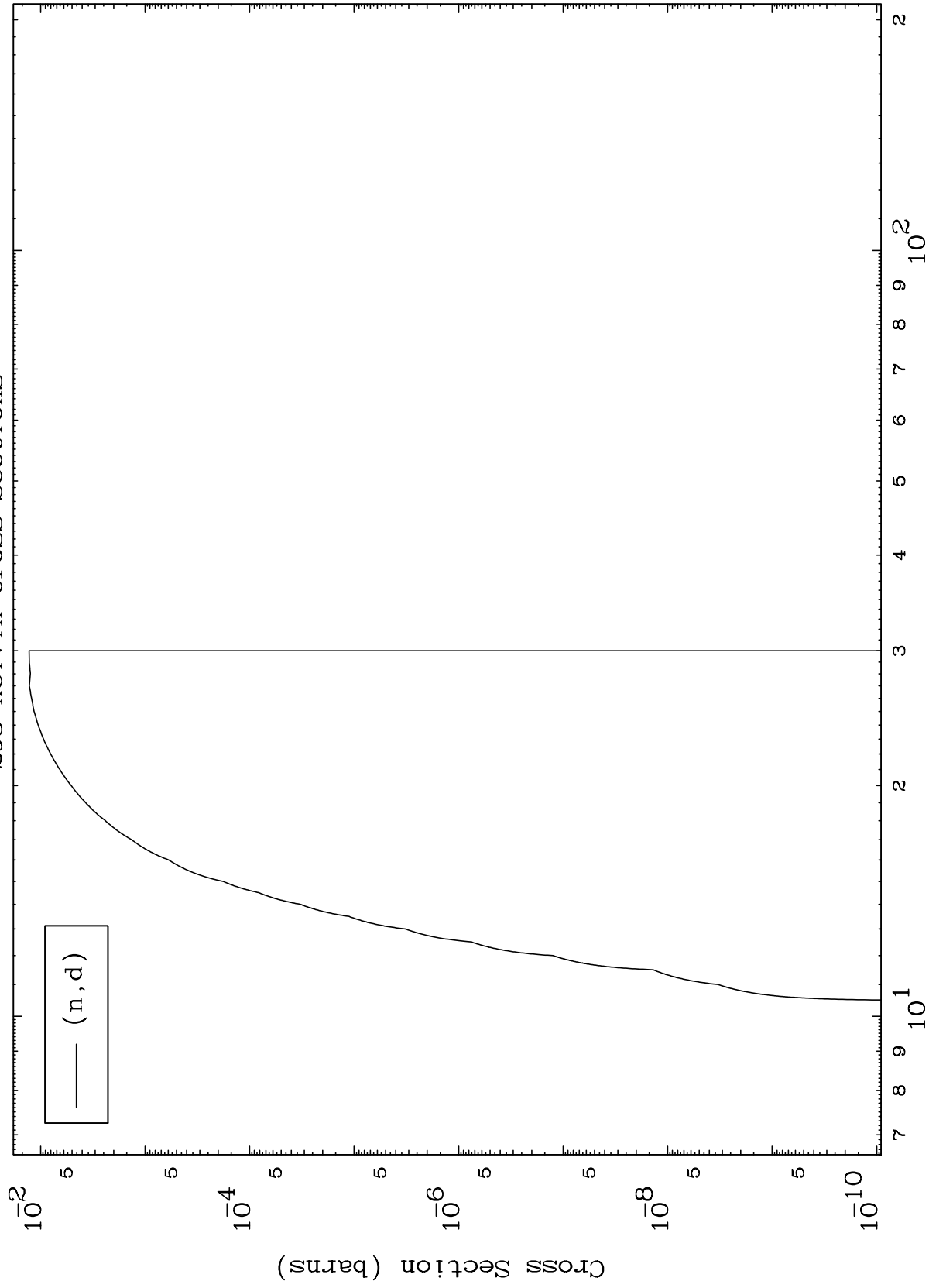
Incident Energy (MeV)

62-Sm-154

MAT 6255

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-154



11

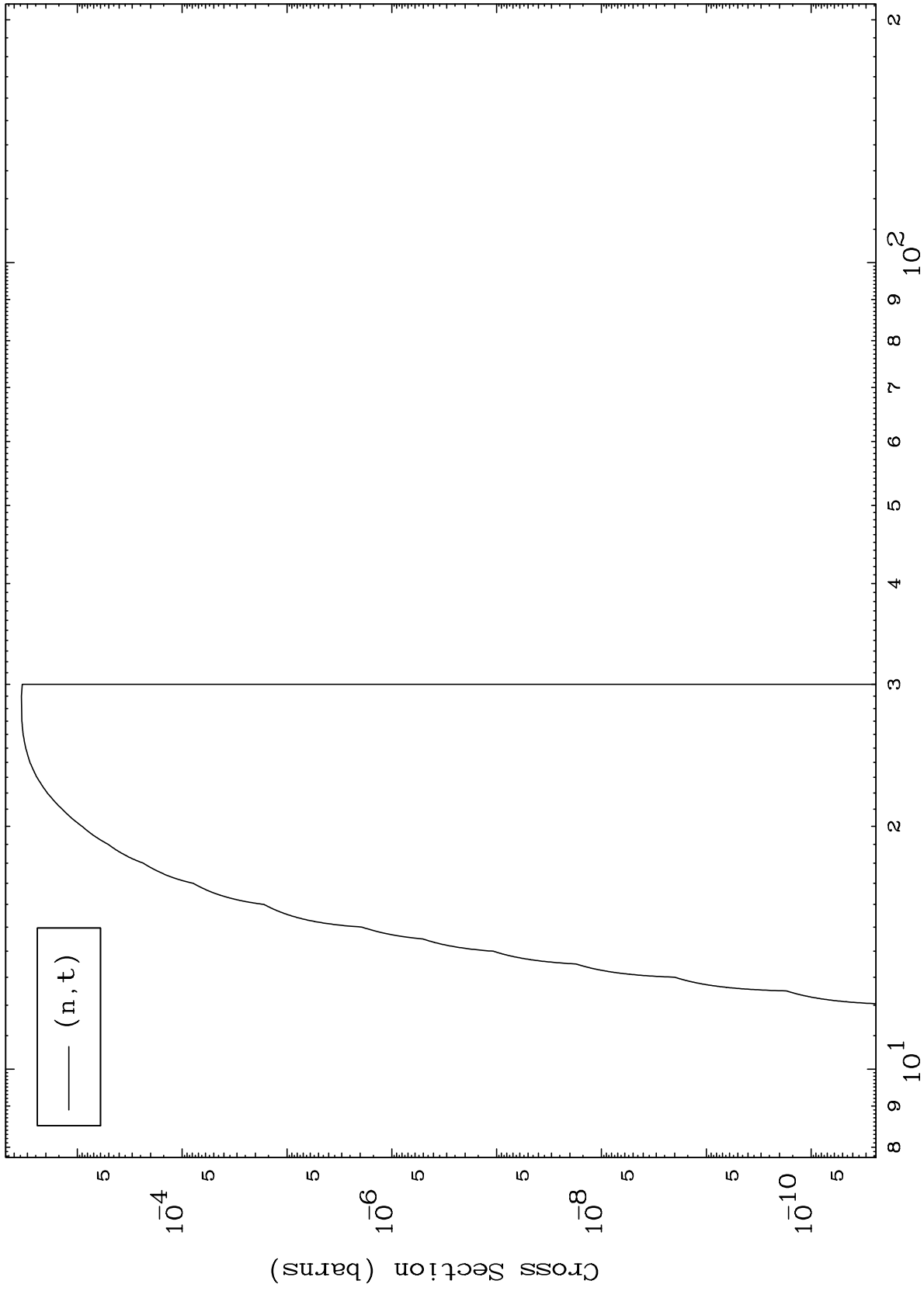
Incident Energy (MeV)

62-Sm-154

MAT 6255

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-154



12

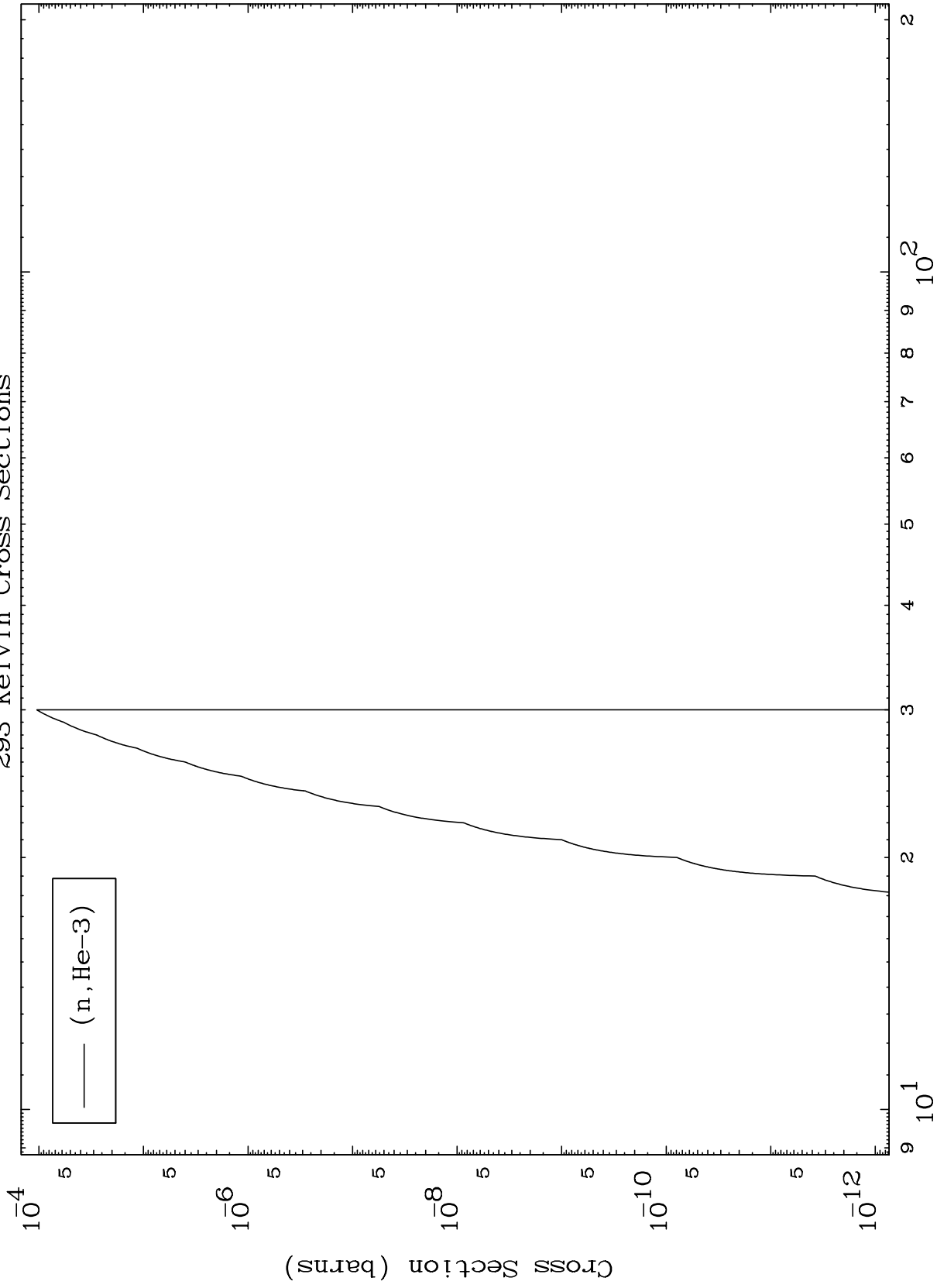
Incident Energy (MeV)

62-Sm-154

MAT 6255

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-154



13

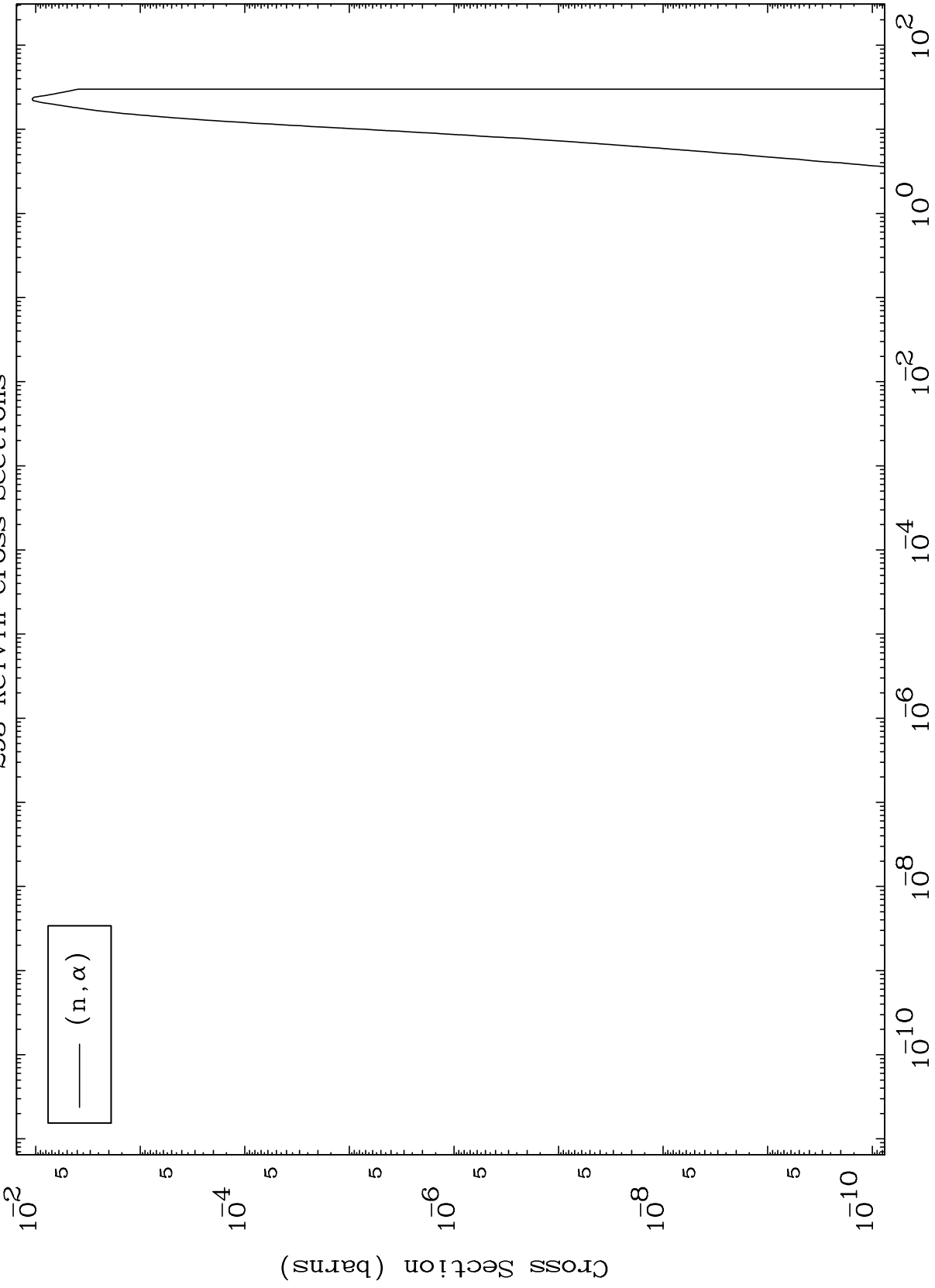
Incident Energy (MeV)

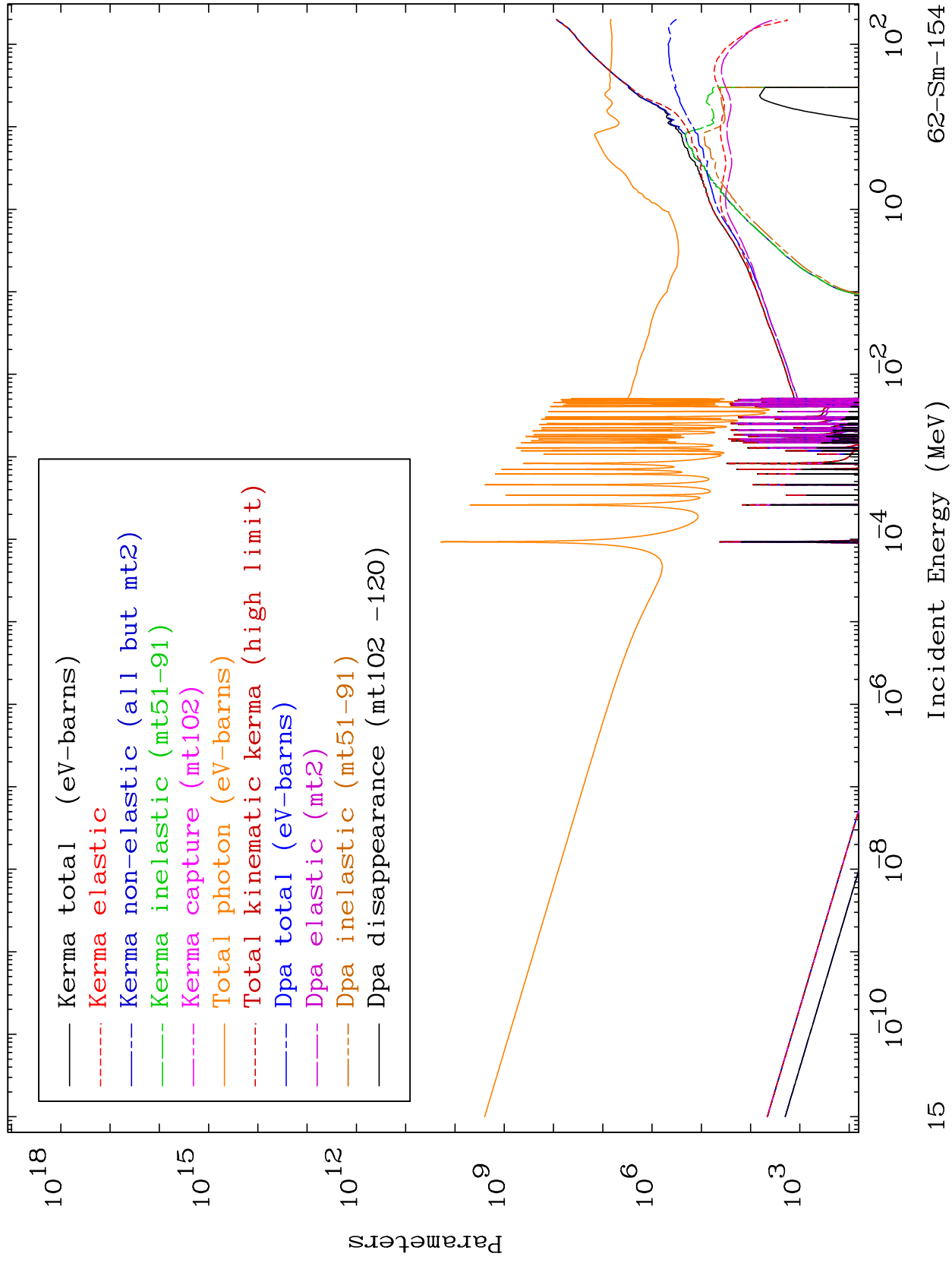
62-Sm-154

MAT 6255

(n, α) Levels
293 Kelvin Cross Sections

62-Sm-154

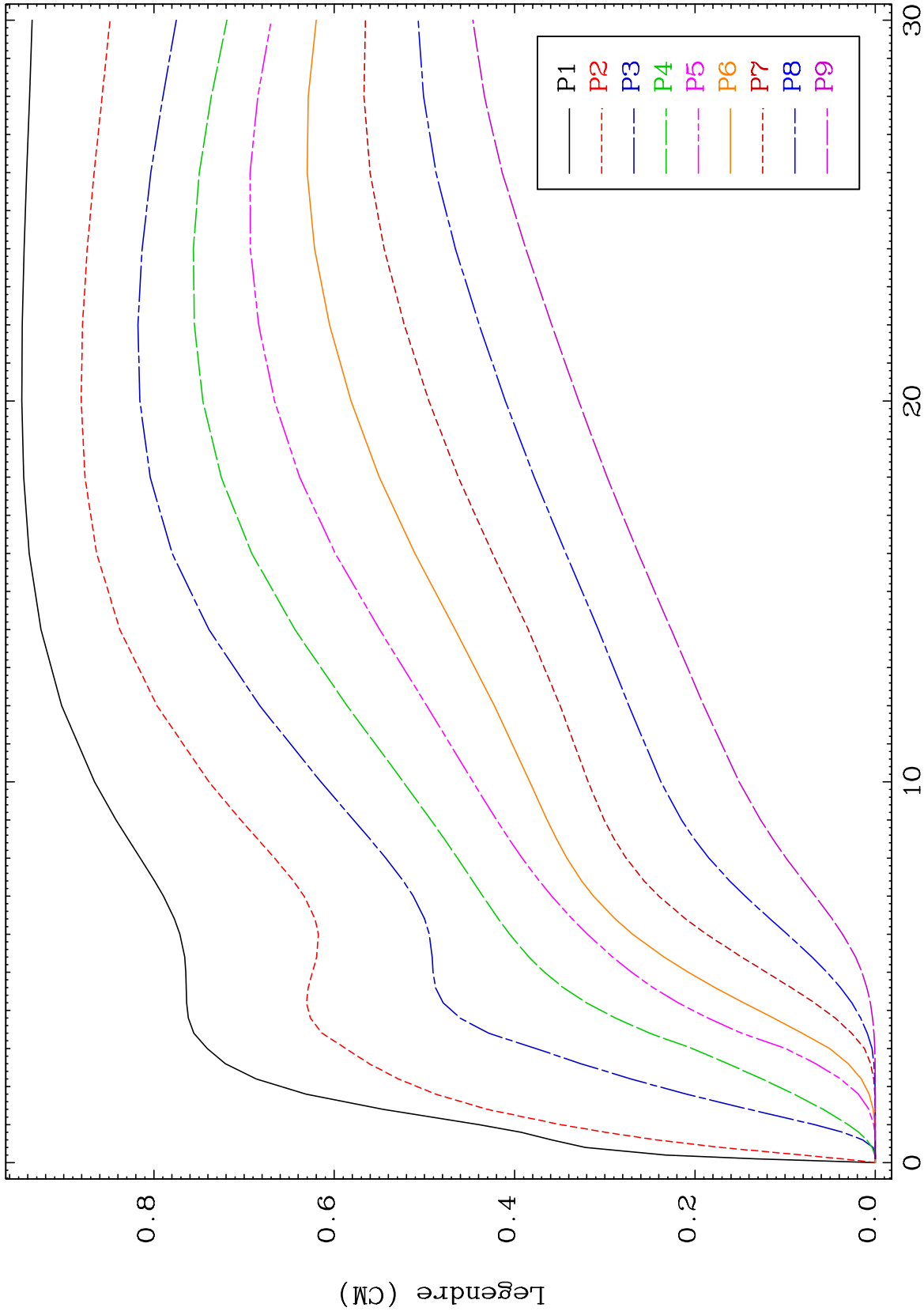




MAT 6255

Elastic Legendre Coefficients

62-Sm-154



0

0.0

0.2

0.4

0.6

0.8

16

30

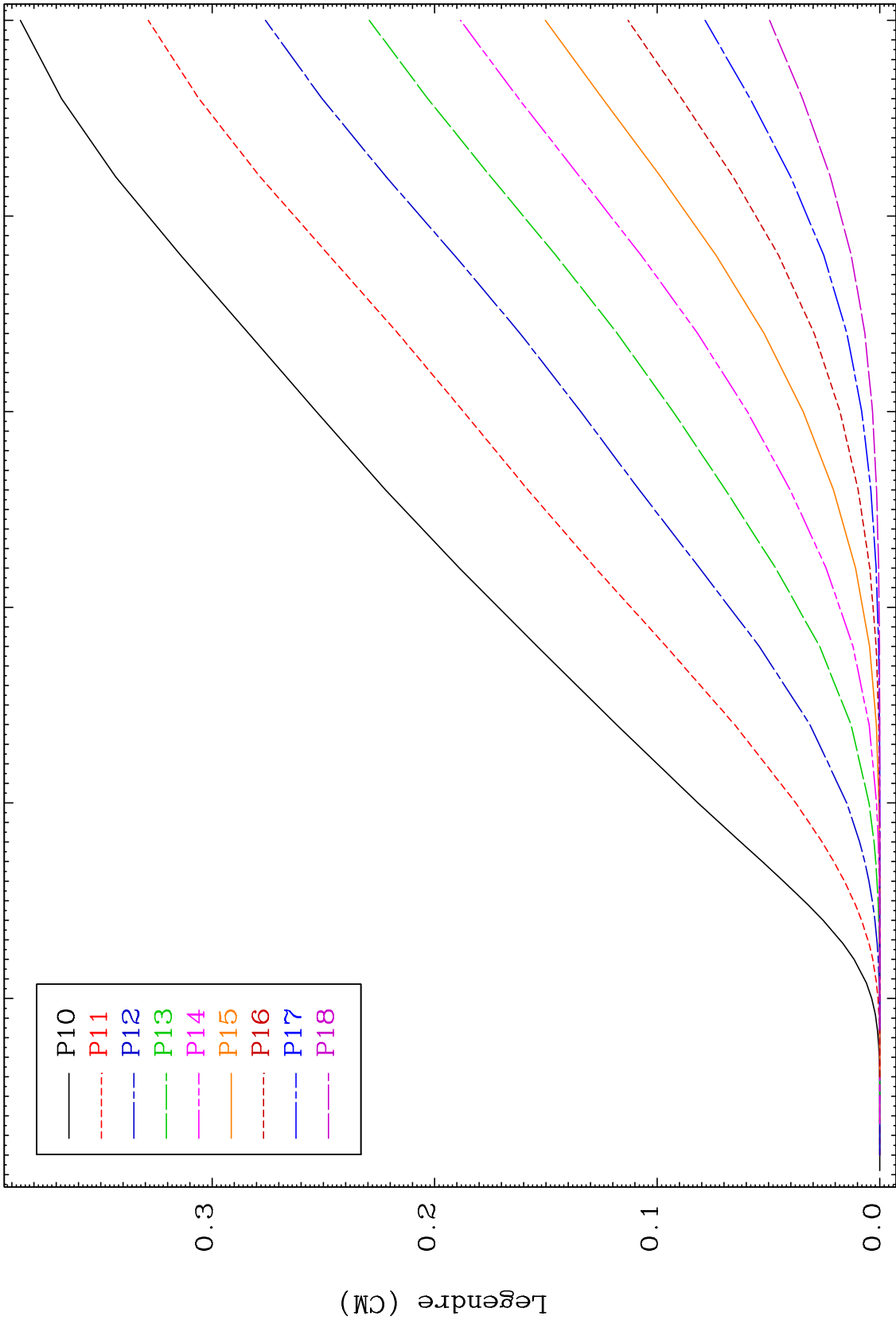
Incident Energy (MeV)

62-Sm-154

MAT 6255

Elastic Legendre Coefficients

62-Sm-154



17

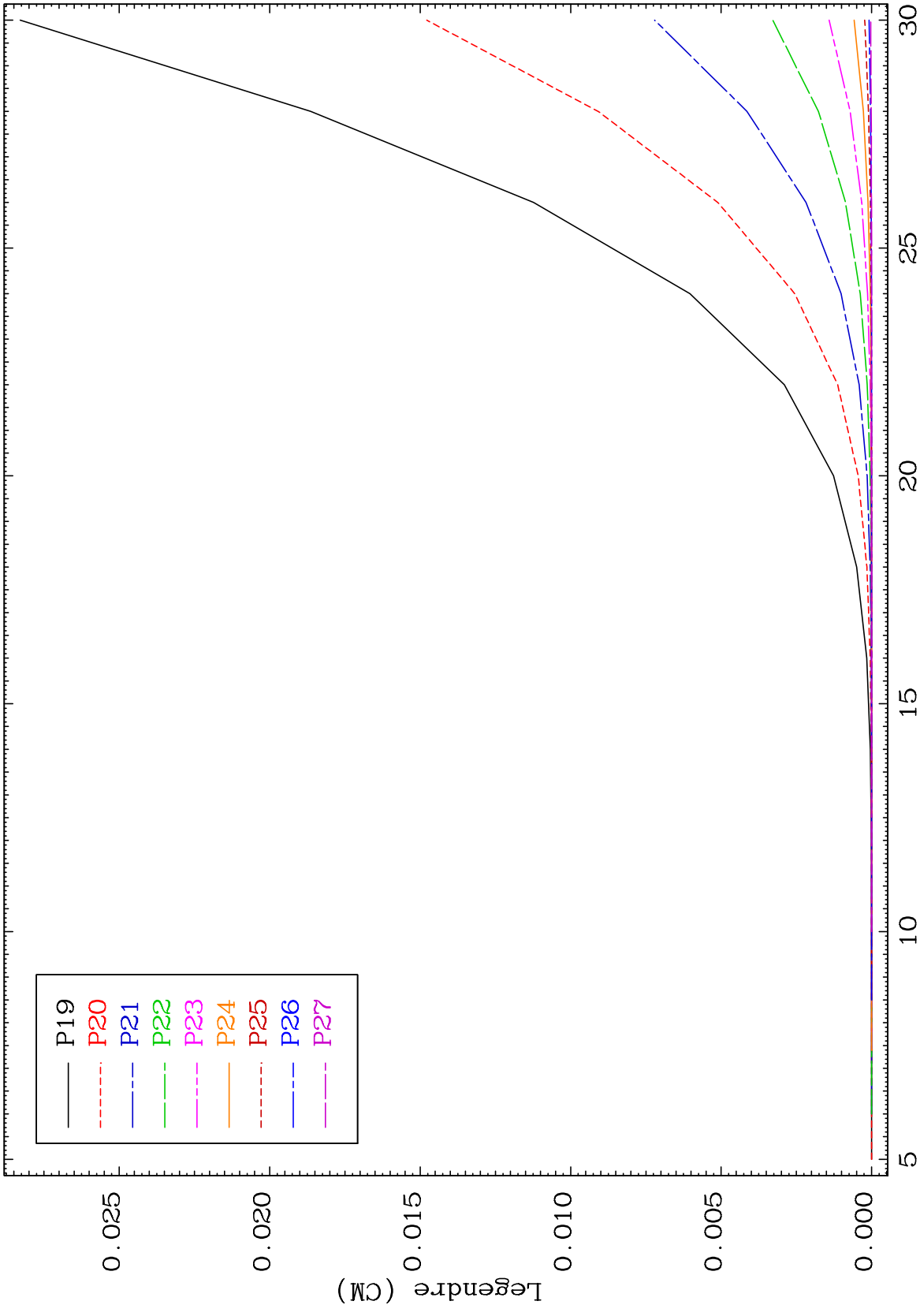
Incident Energy (MeV)

62-Sm-154

MAT 6255

Elastic Legendre Coefficients

62-Sm-154



62-Sm-154

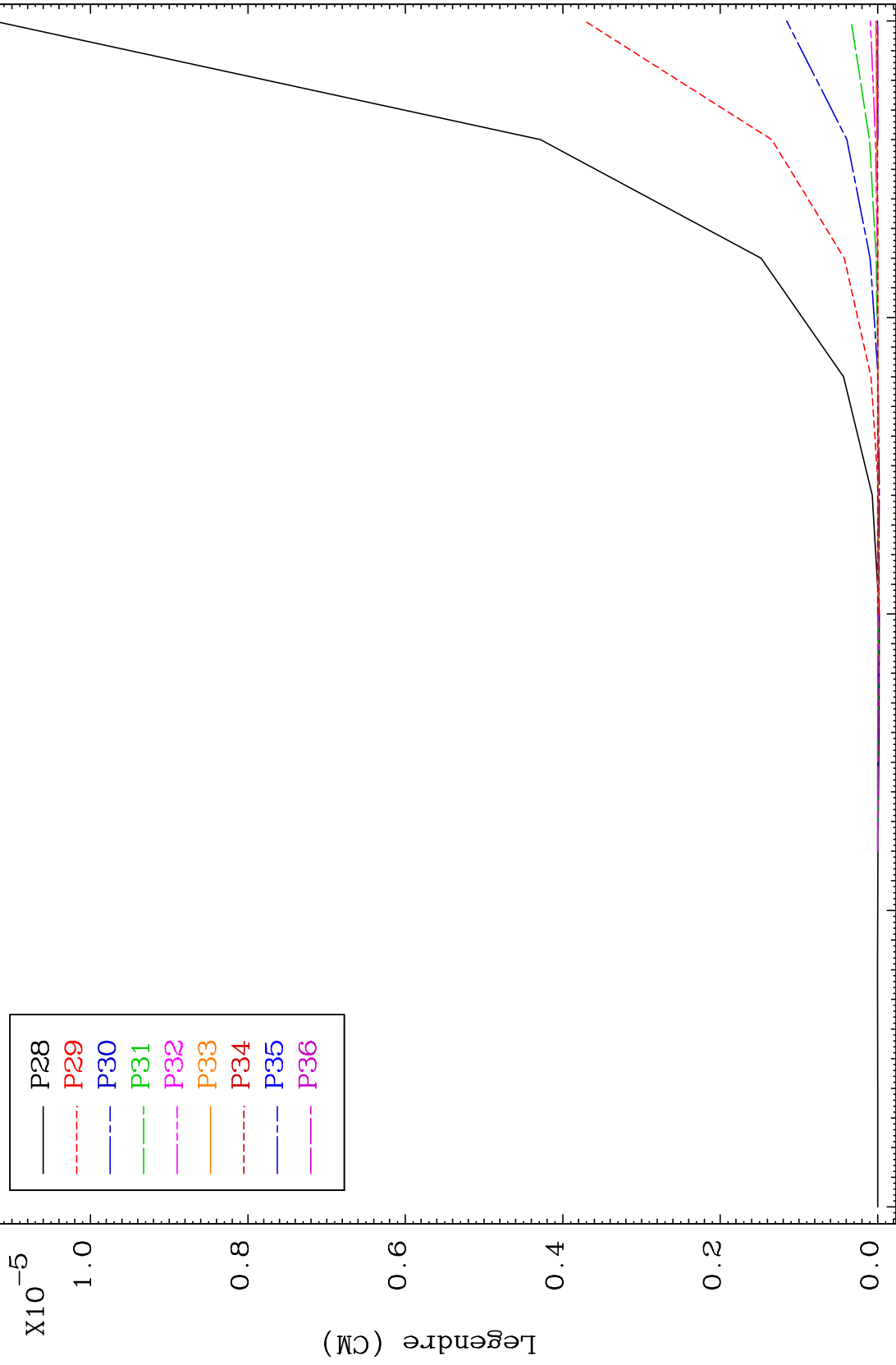
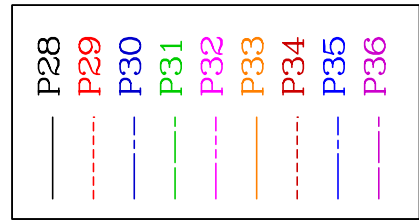
Incident Energy (MeV)

18

MAT 6255

Elastic Legendre Coefficients

62-Sm-154



19

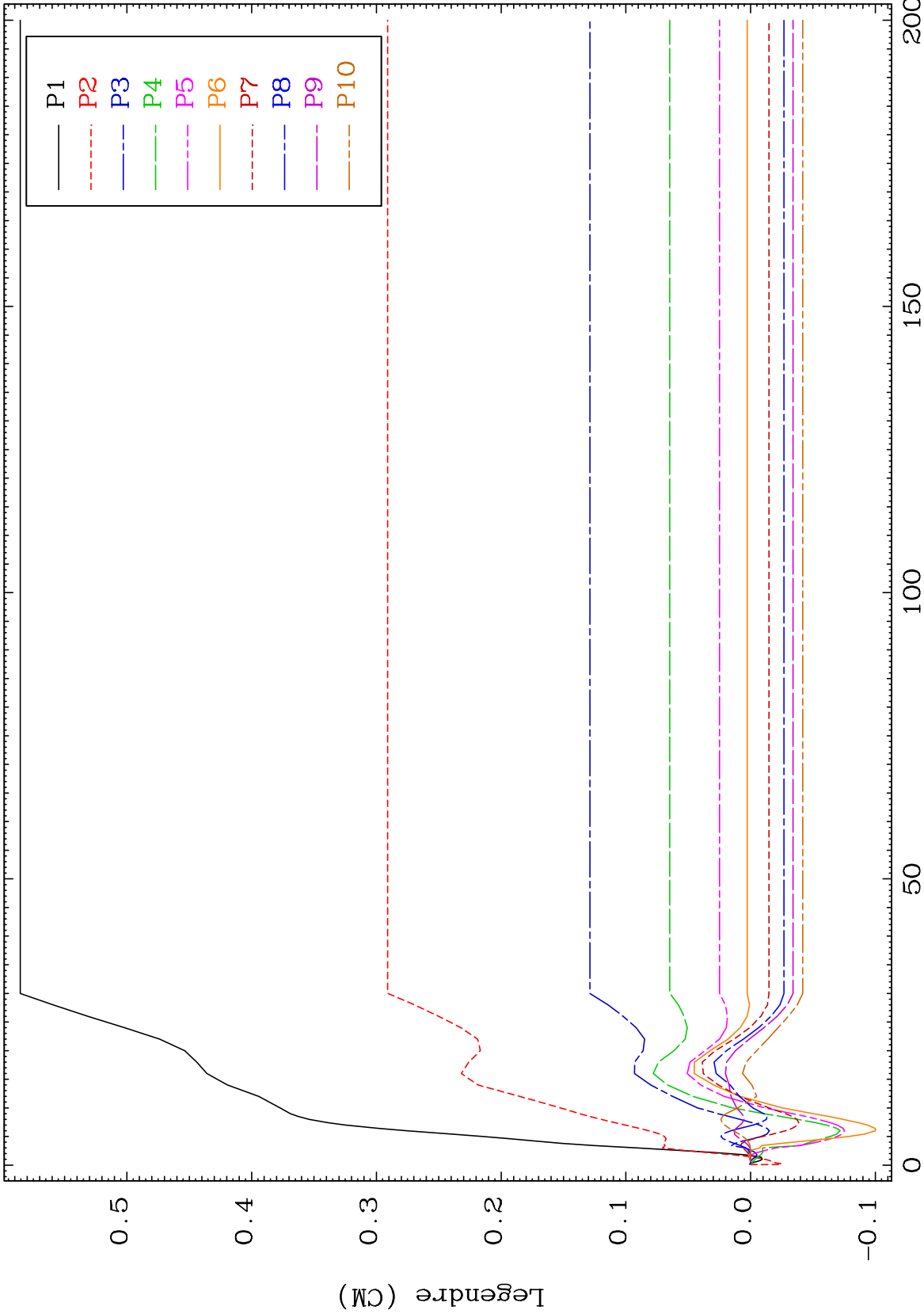
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



20

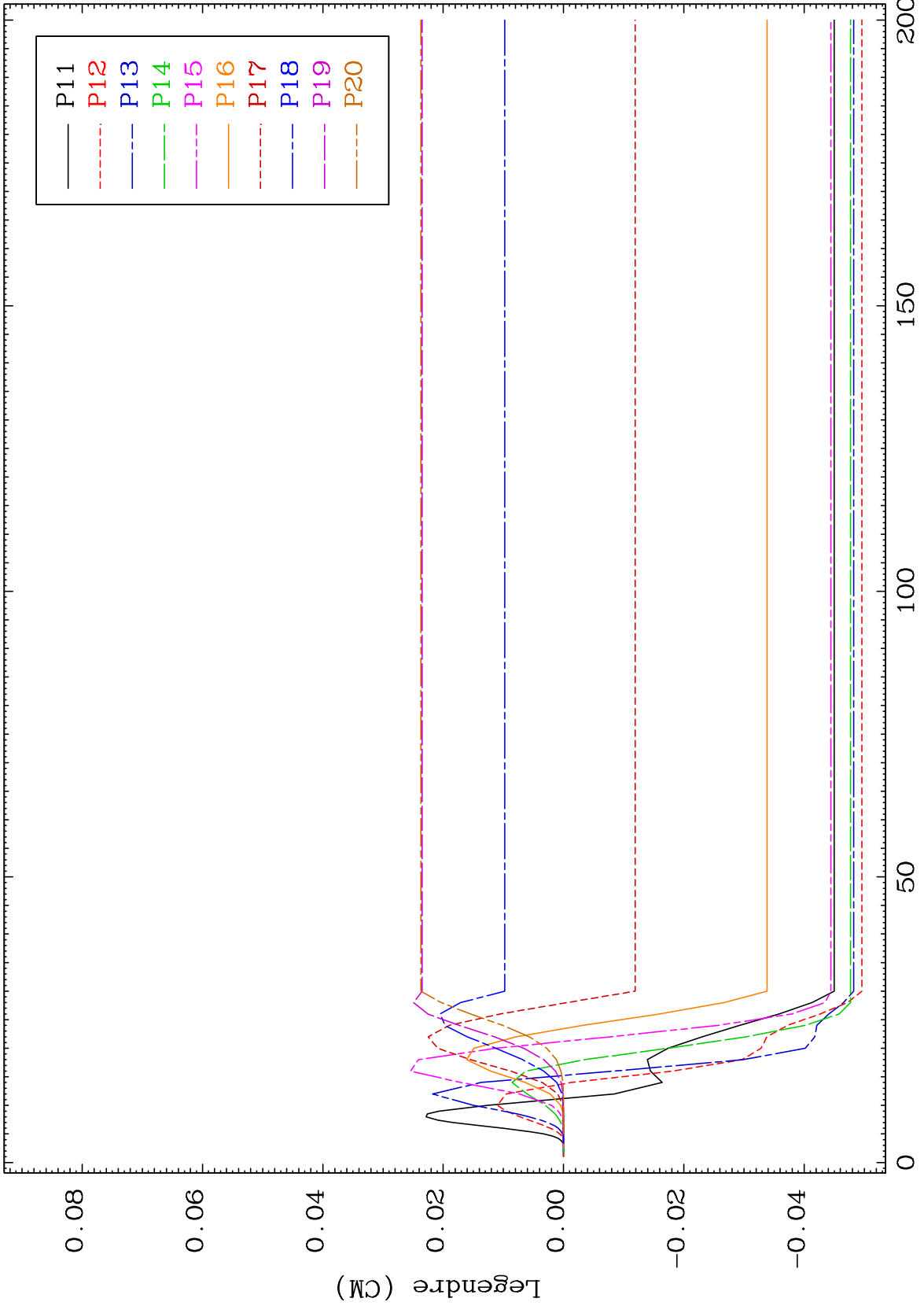
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



21

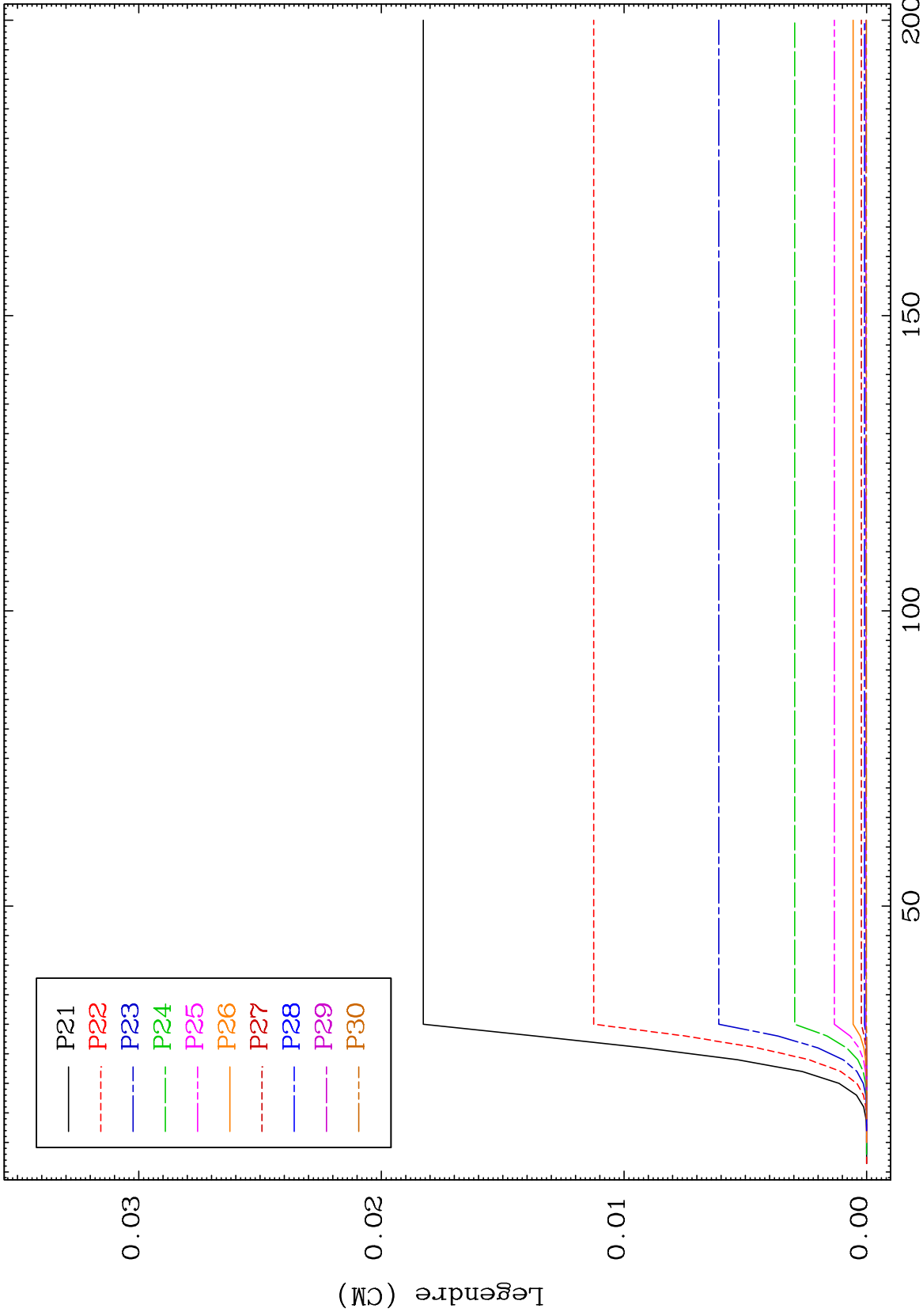
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



22

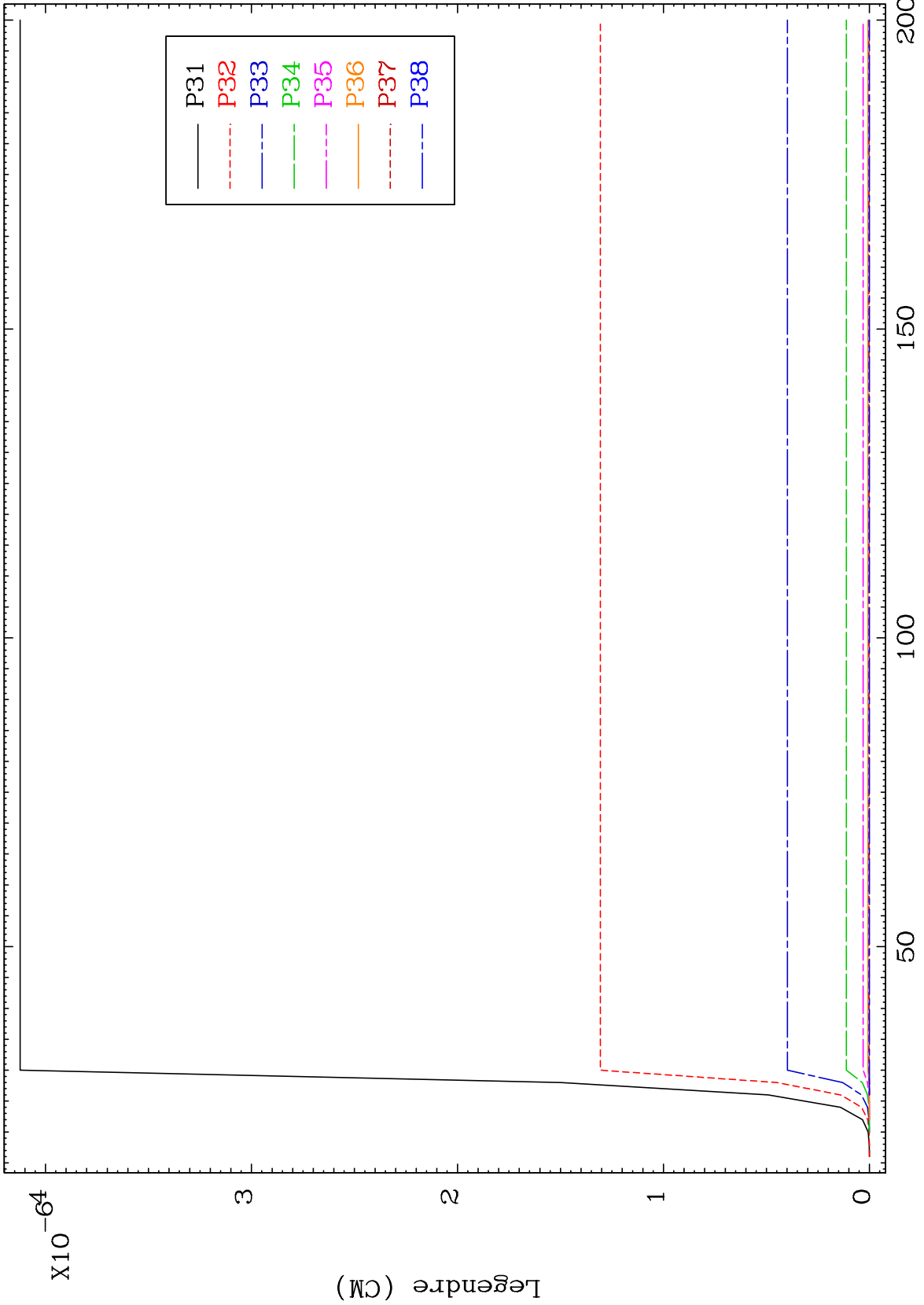
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



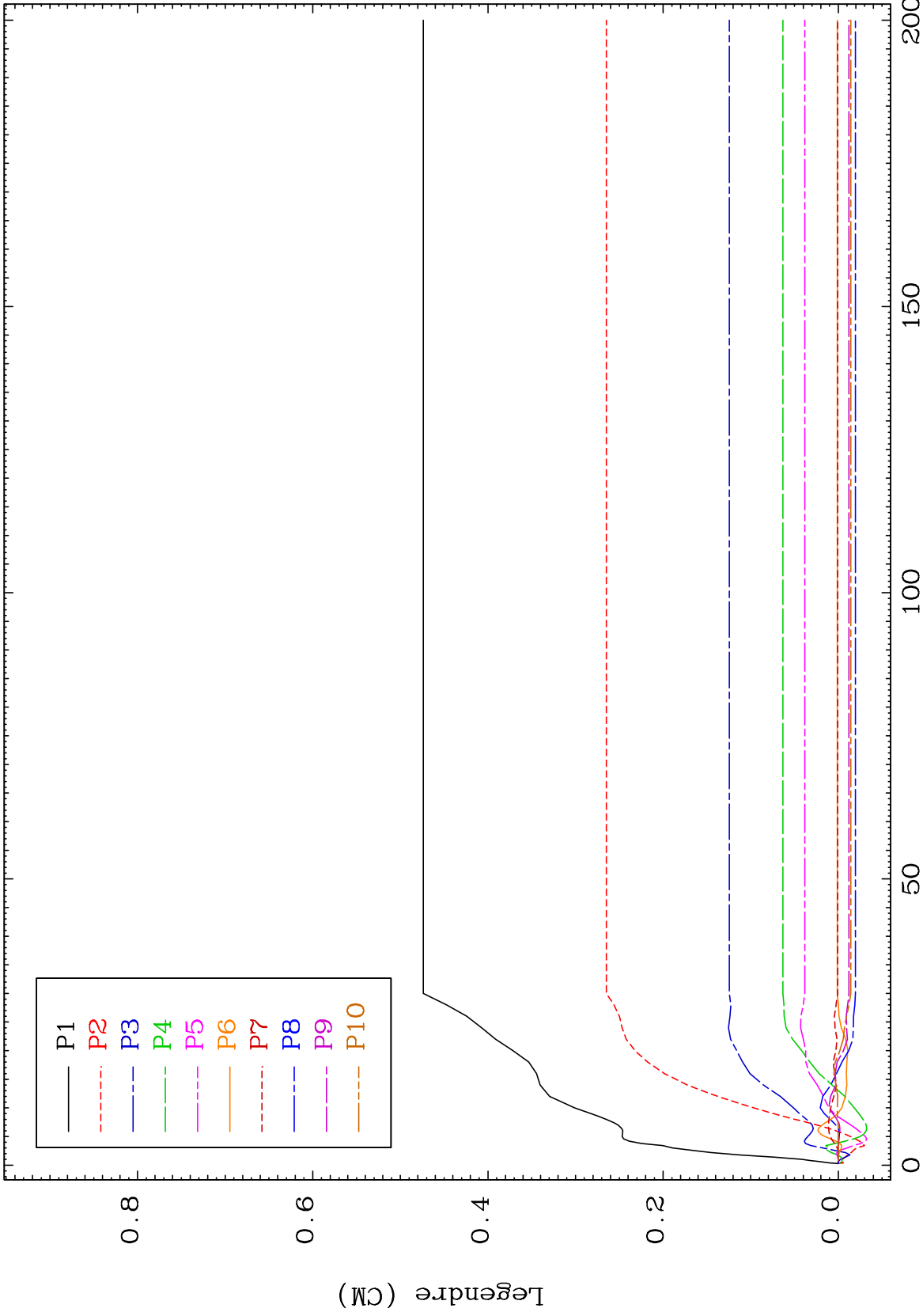
23

62-Sm-154

MAT 6255

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

62-Sm-154



24

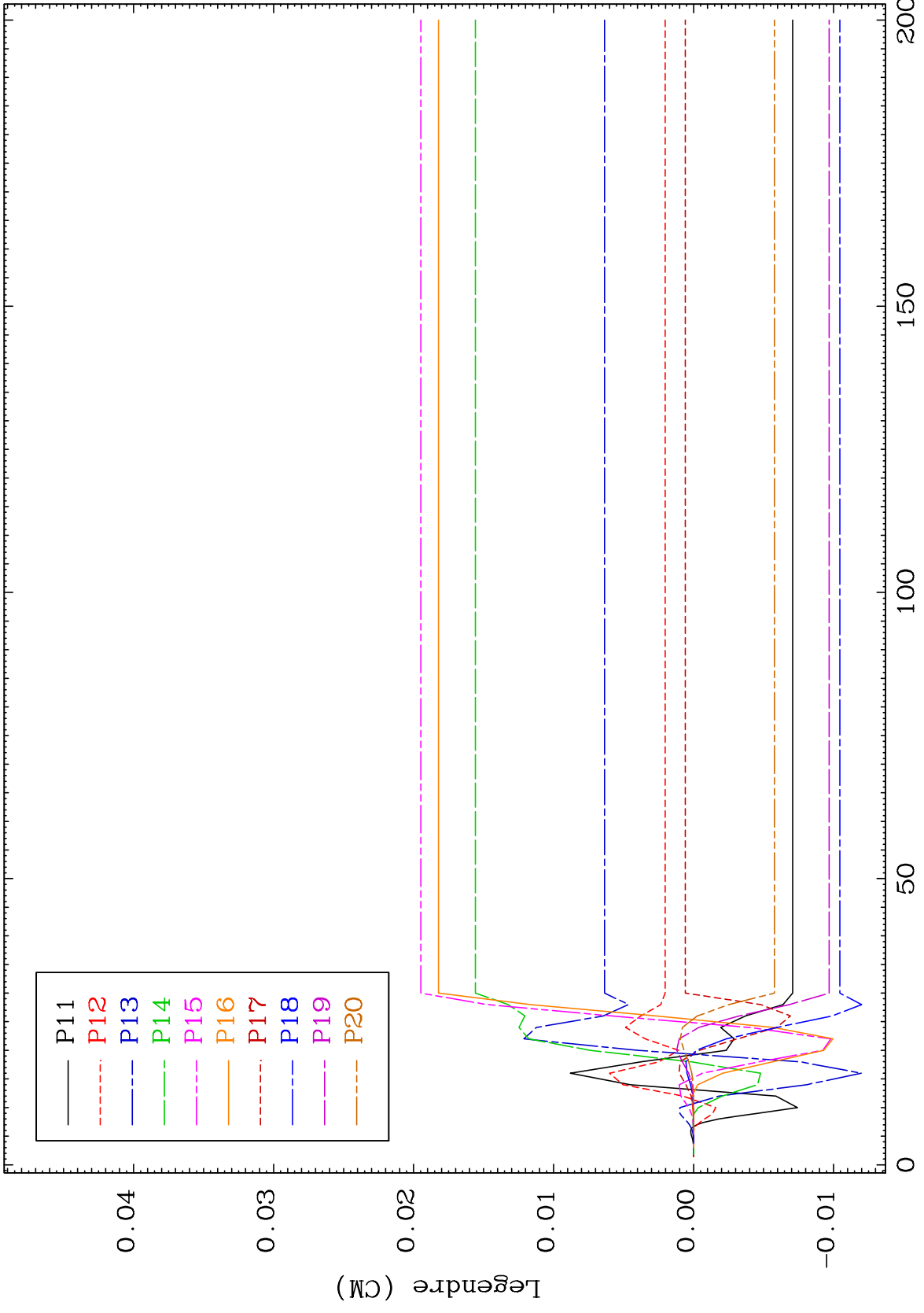
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



25

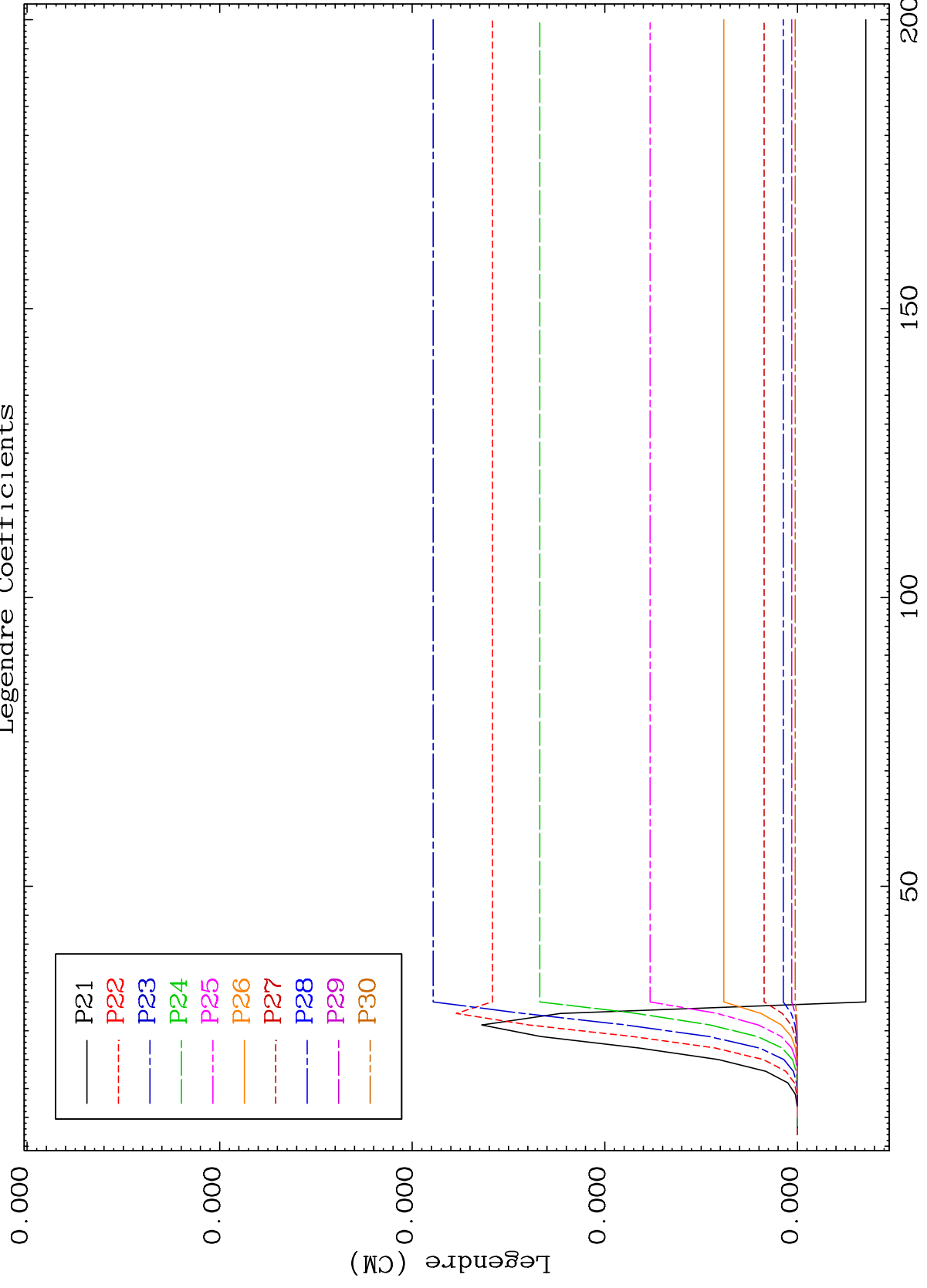
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



62-Sm-154

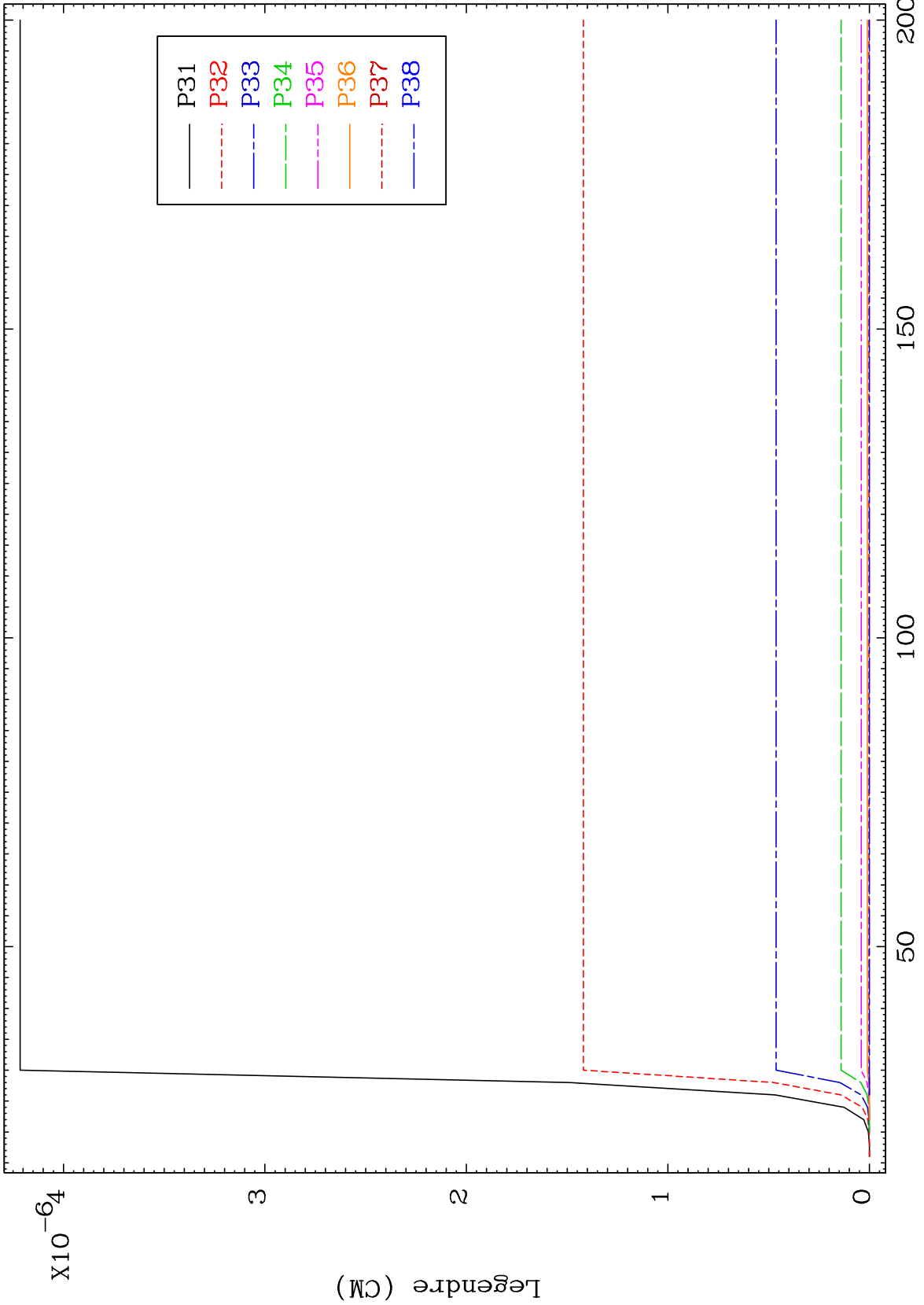
Incident Energy (MeV)

26

MAT 6255

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

62-Sm-154



27

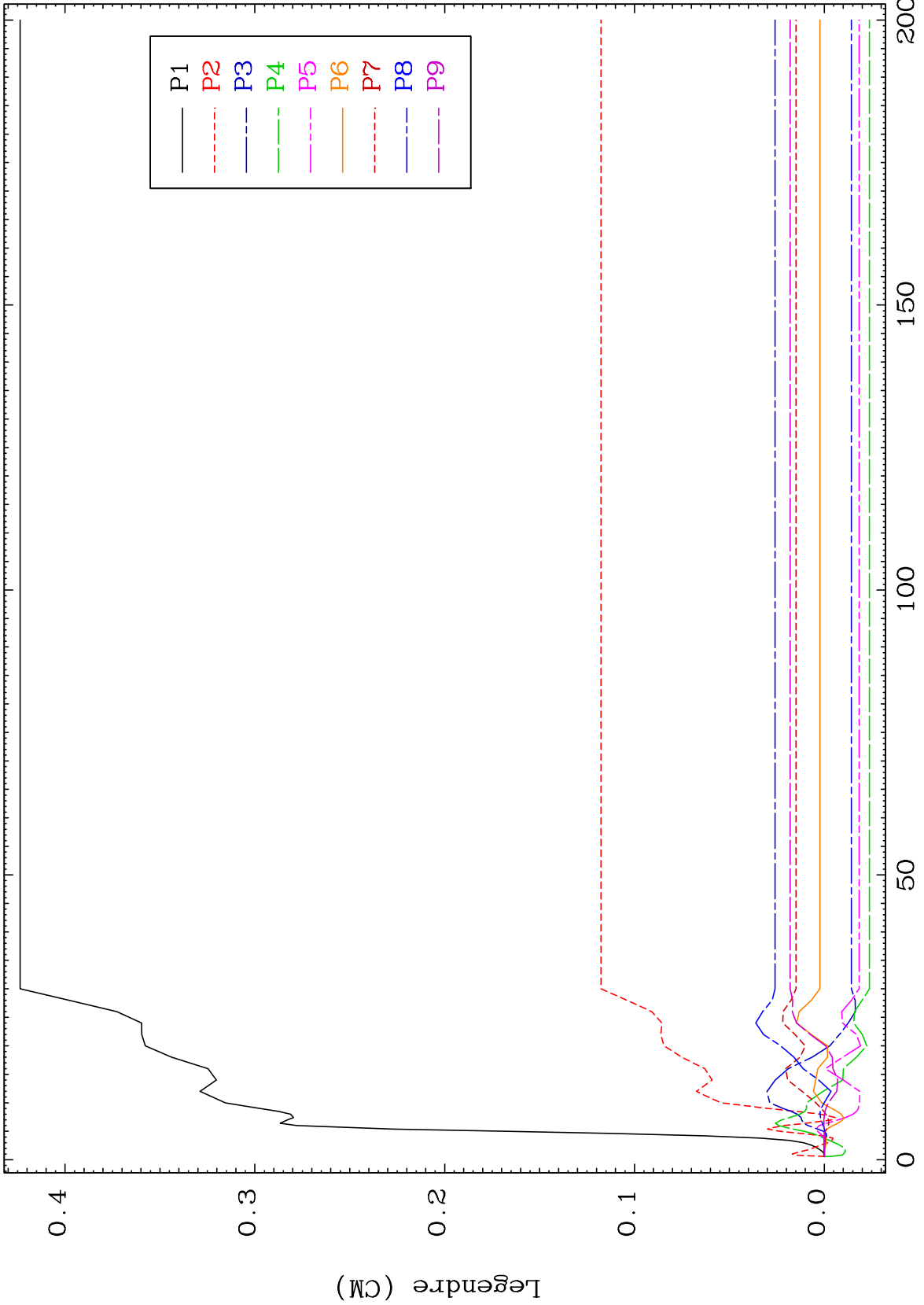
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



28

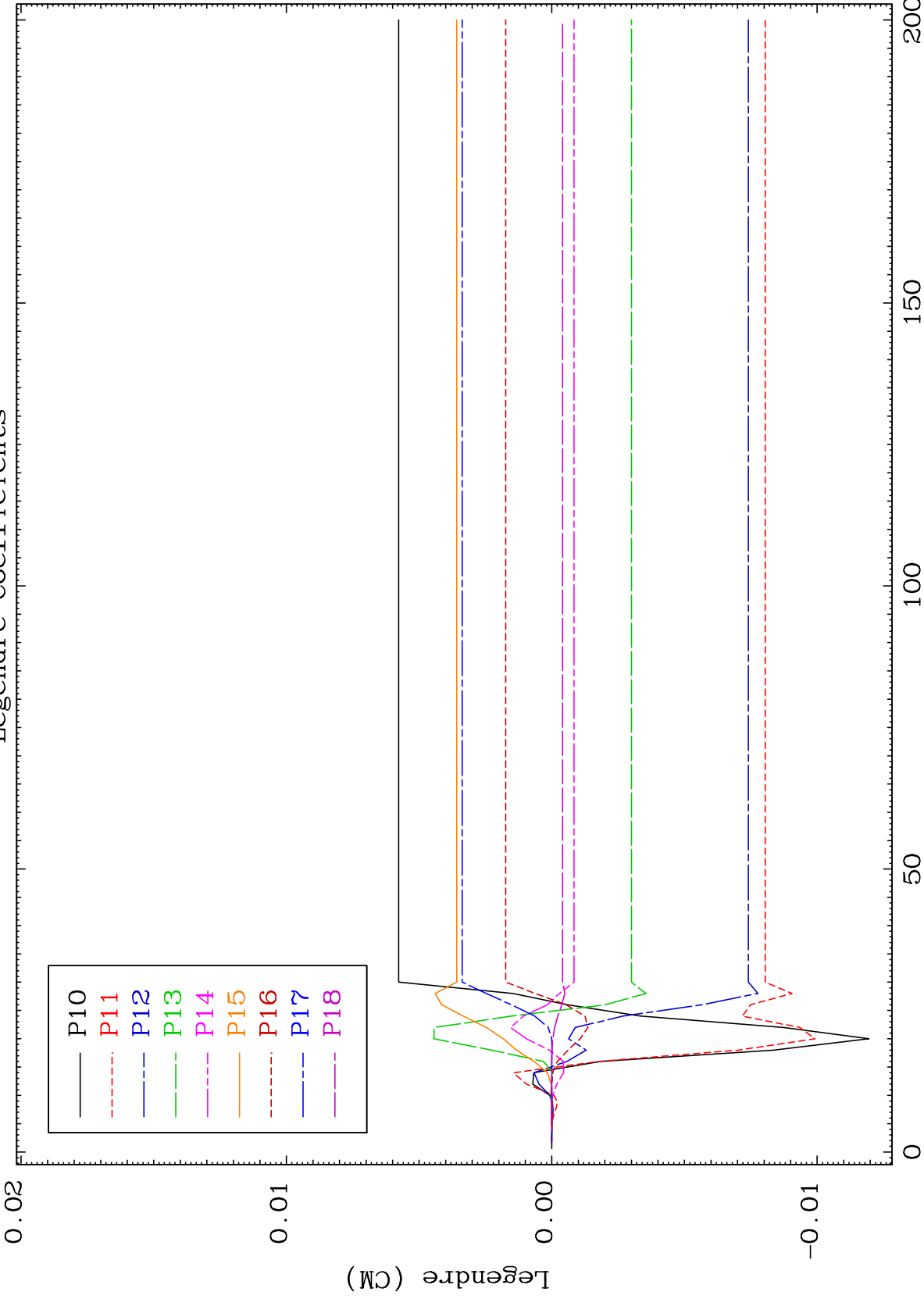
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



29

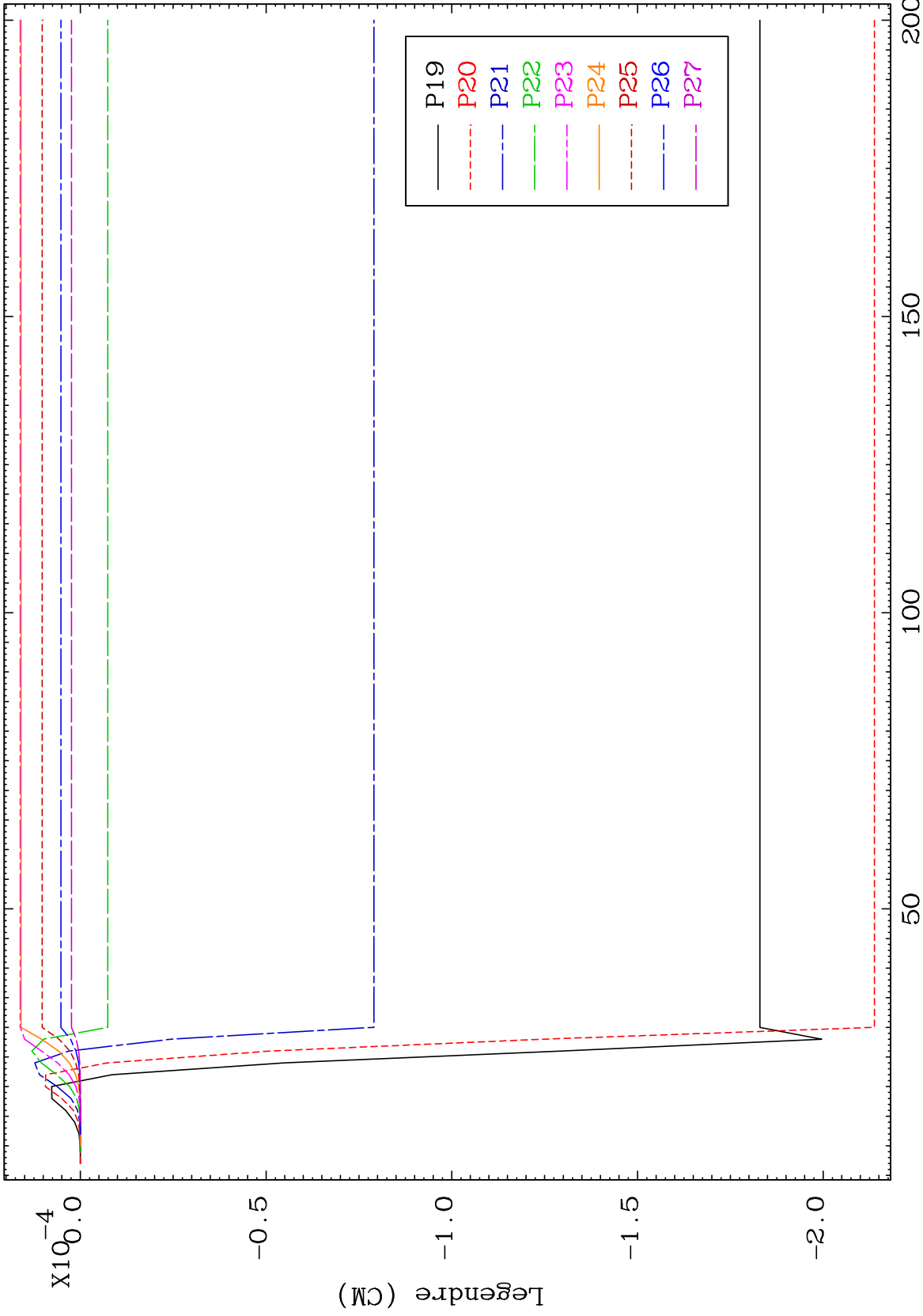
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

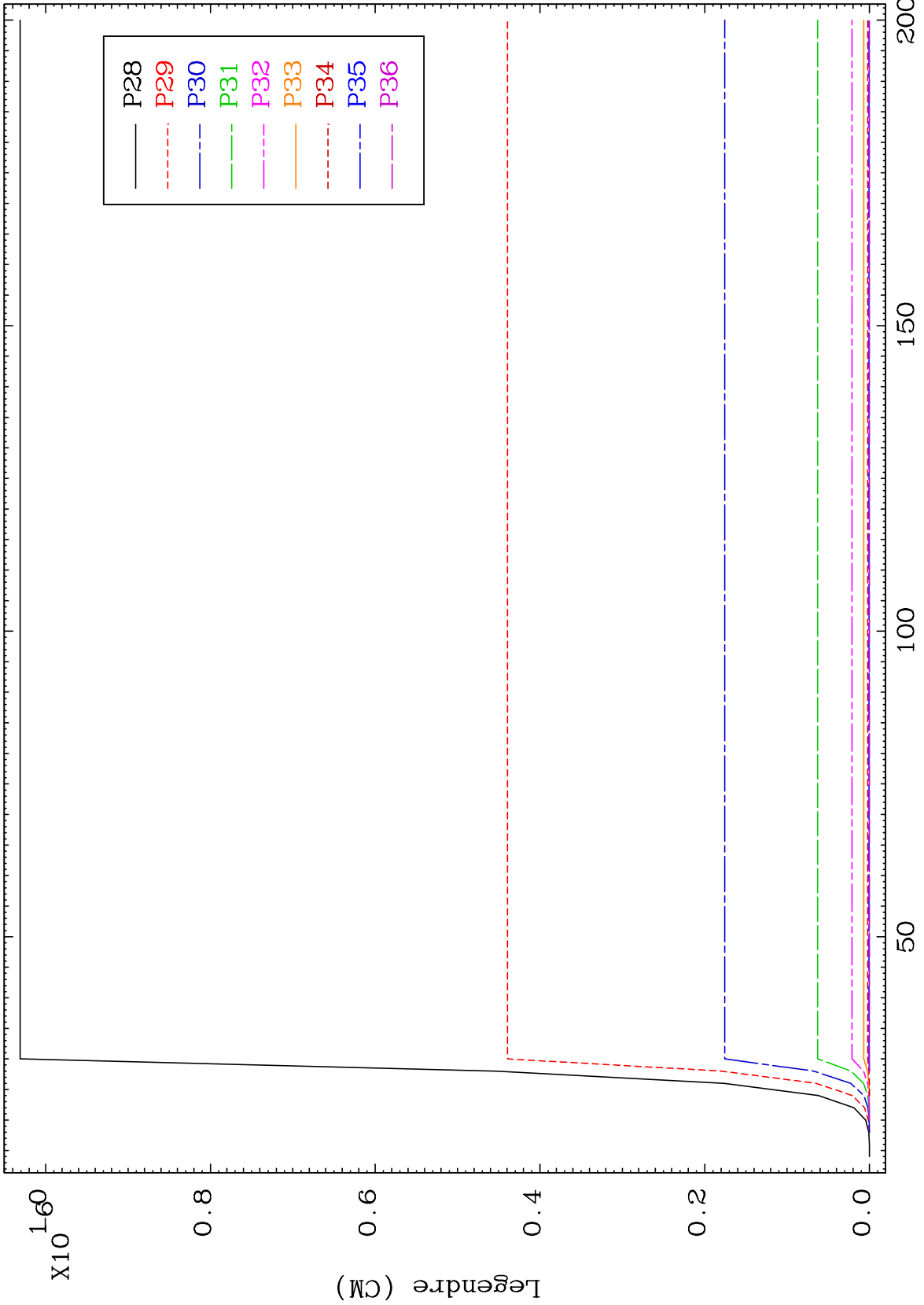
62-Sm-154



62-Sm-154

Incident Energy (MeV)

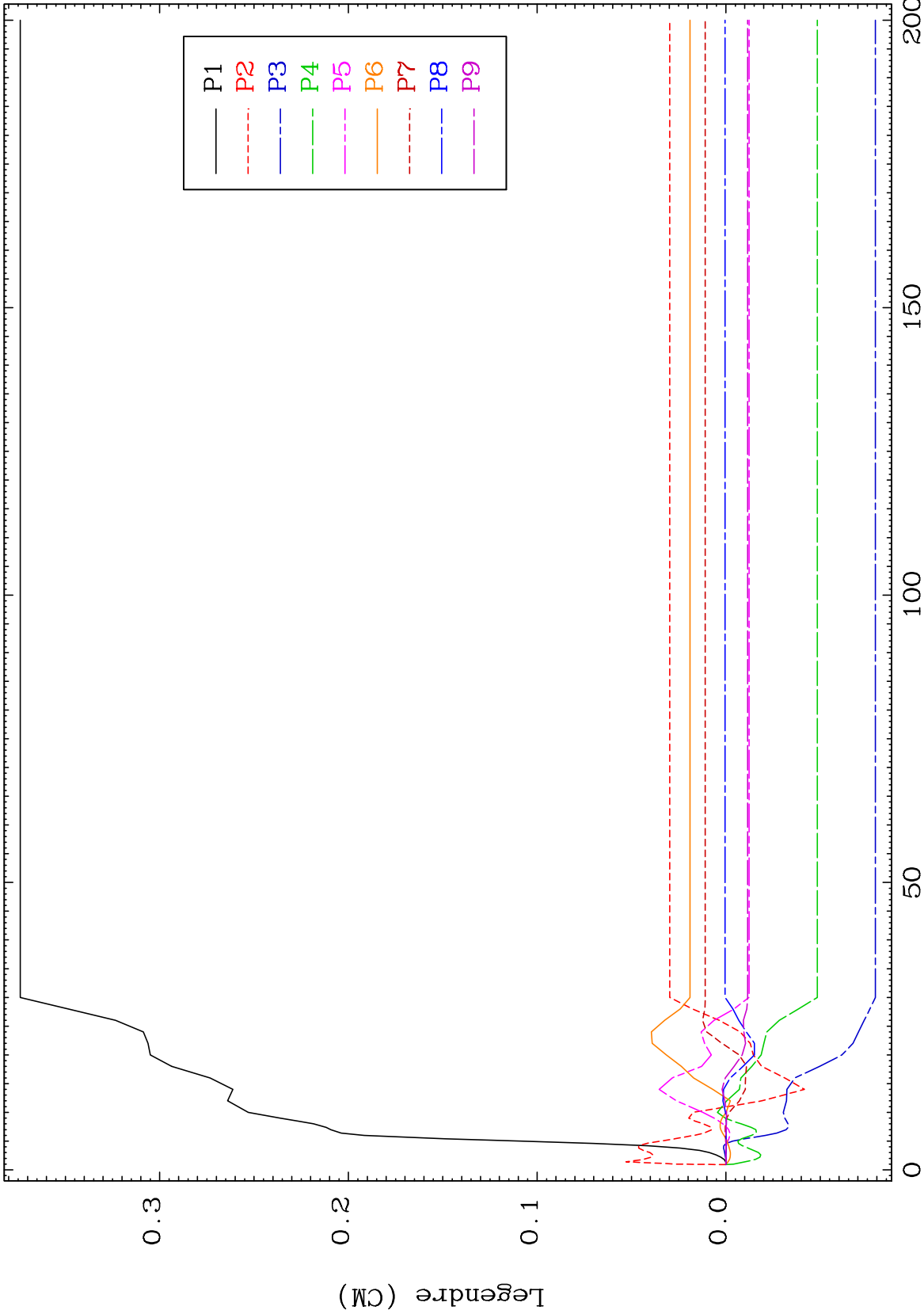
30



MAT 6255

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

62-Sm-154



32

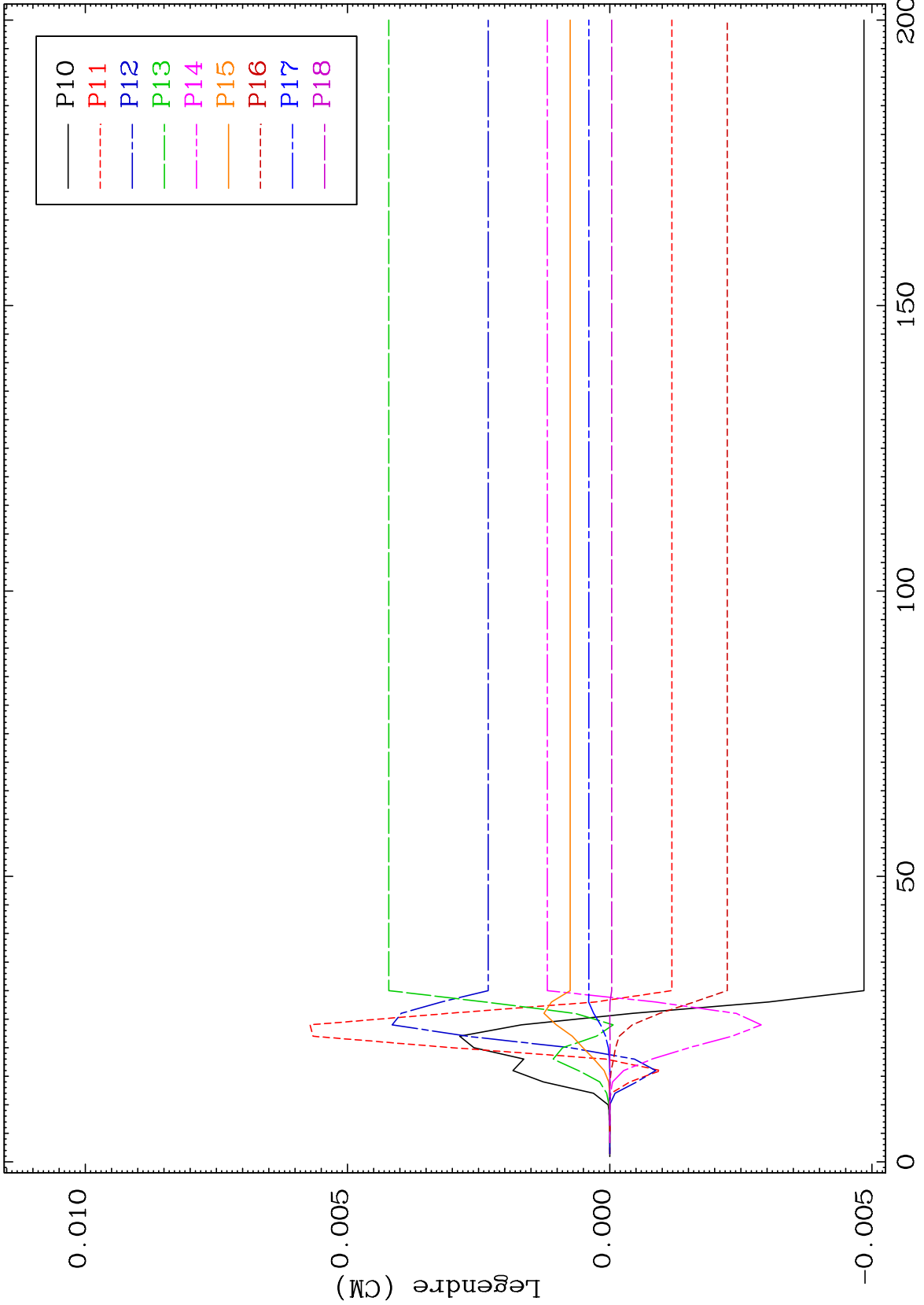
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



33

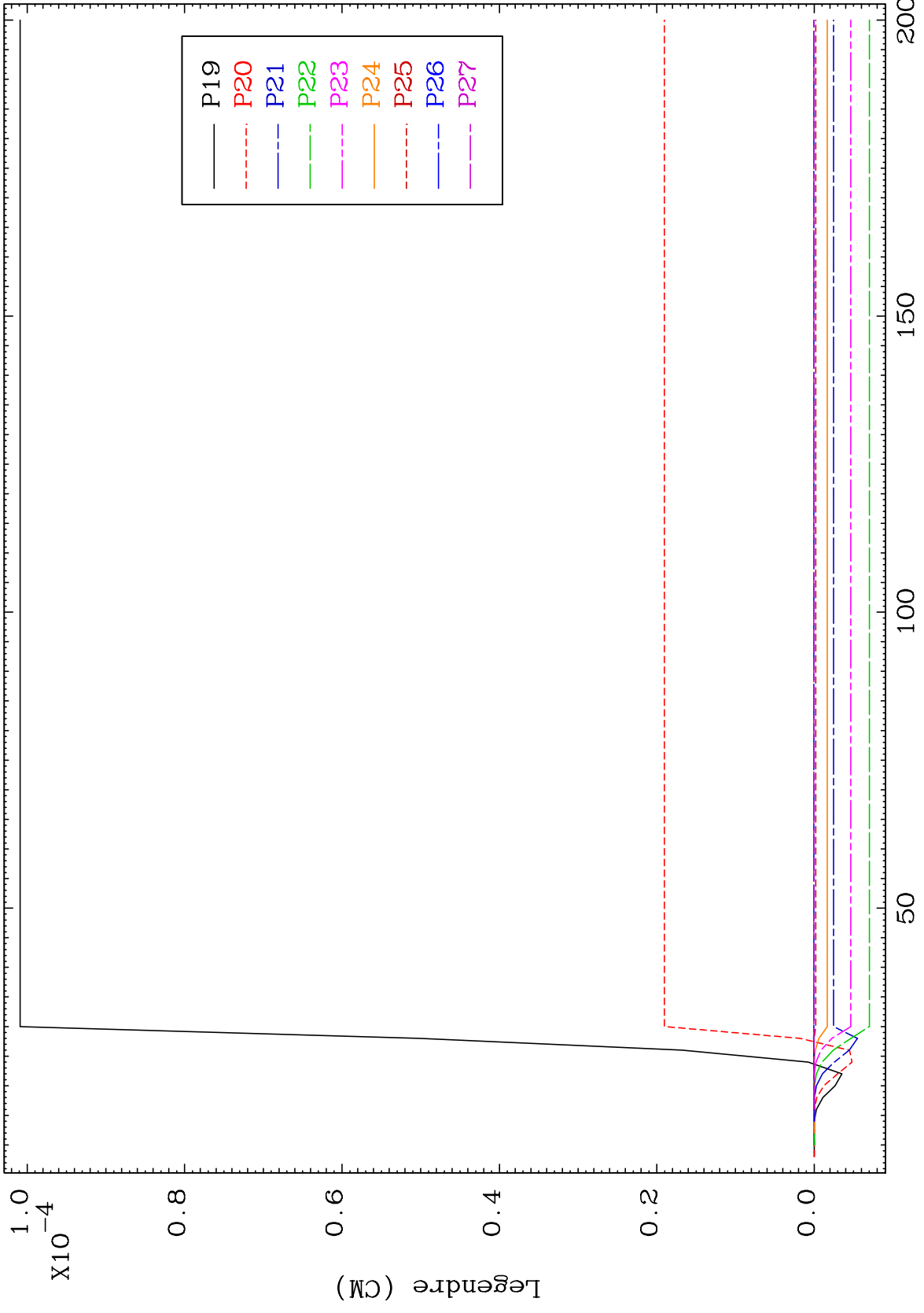
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



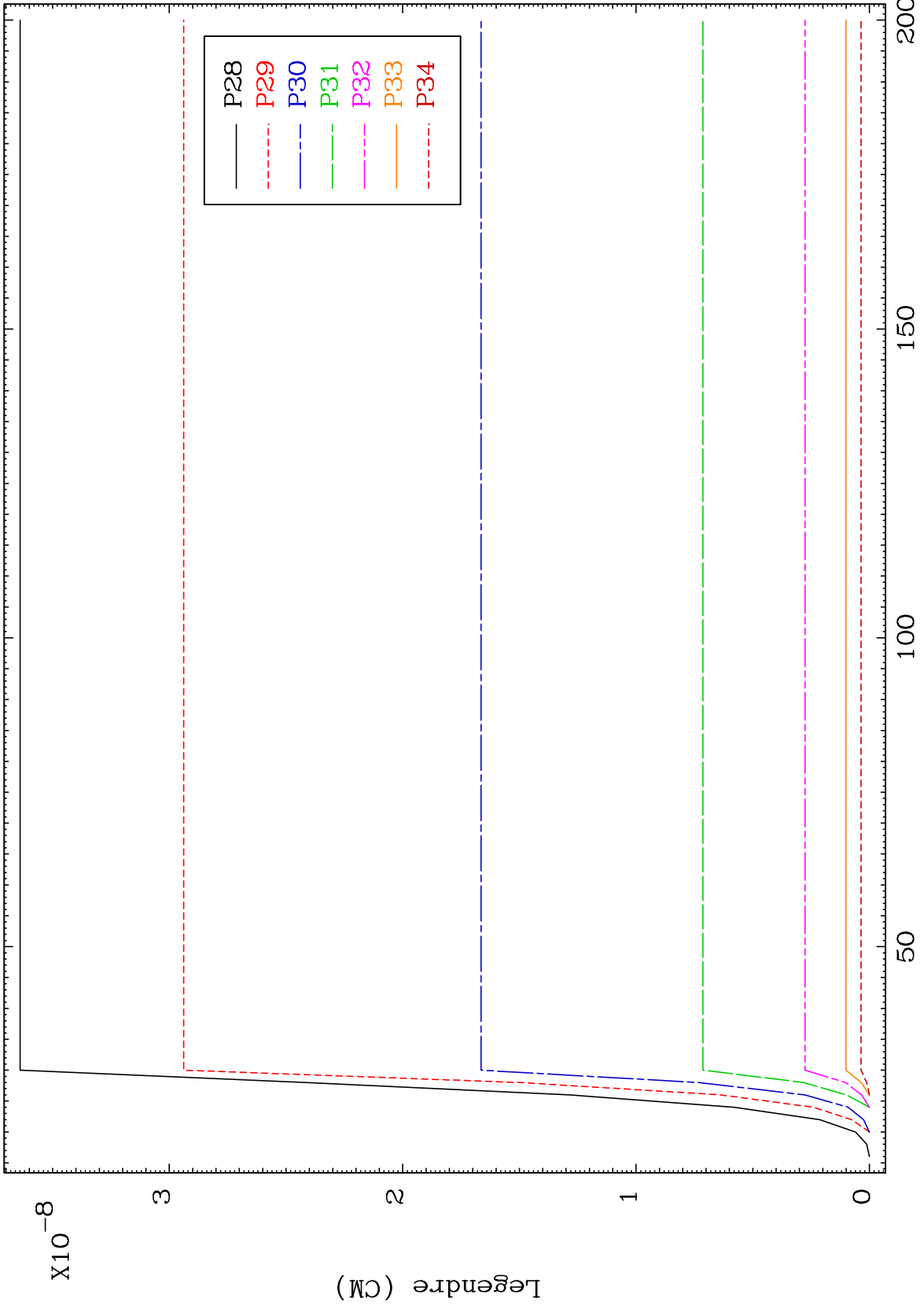
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62-Sm-154

MAT 6255

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

62-Sm-154



35

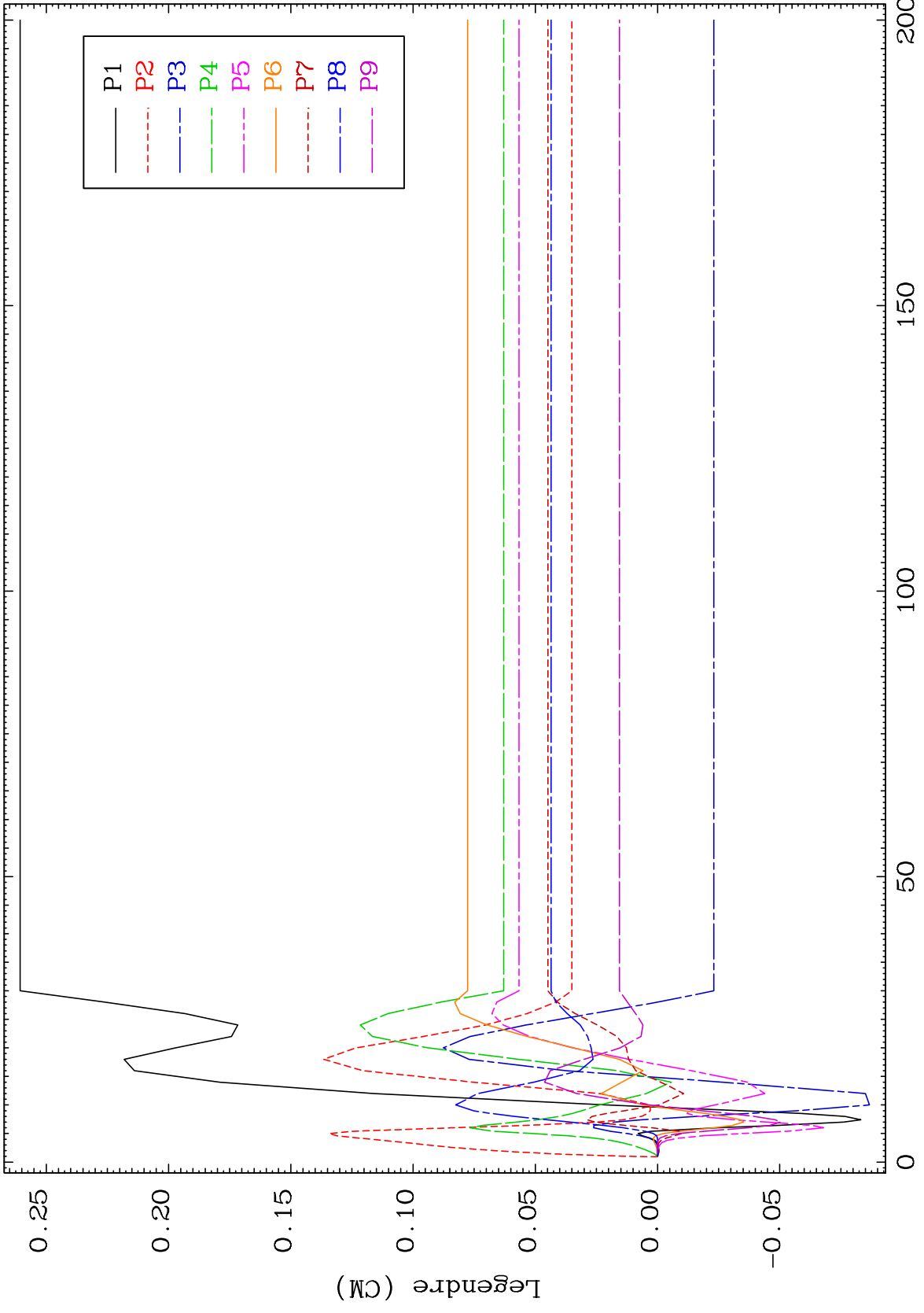
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



36

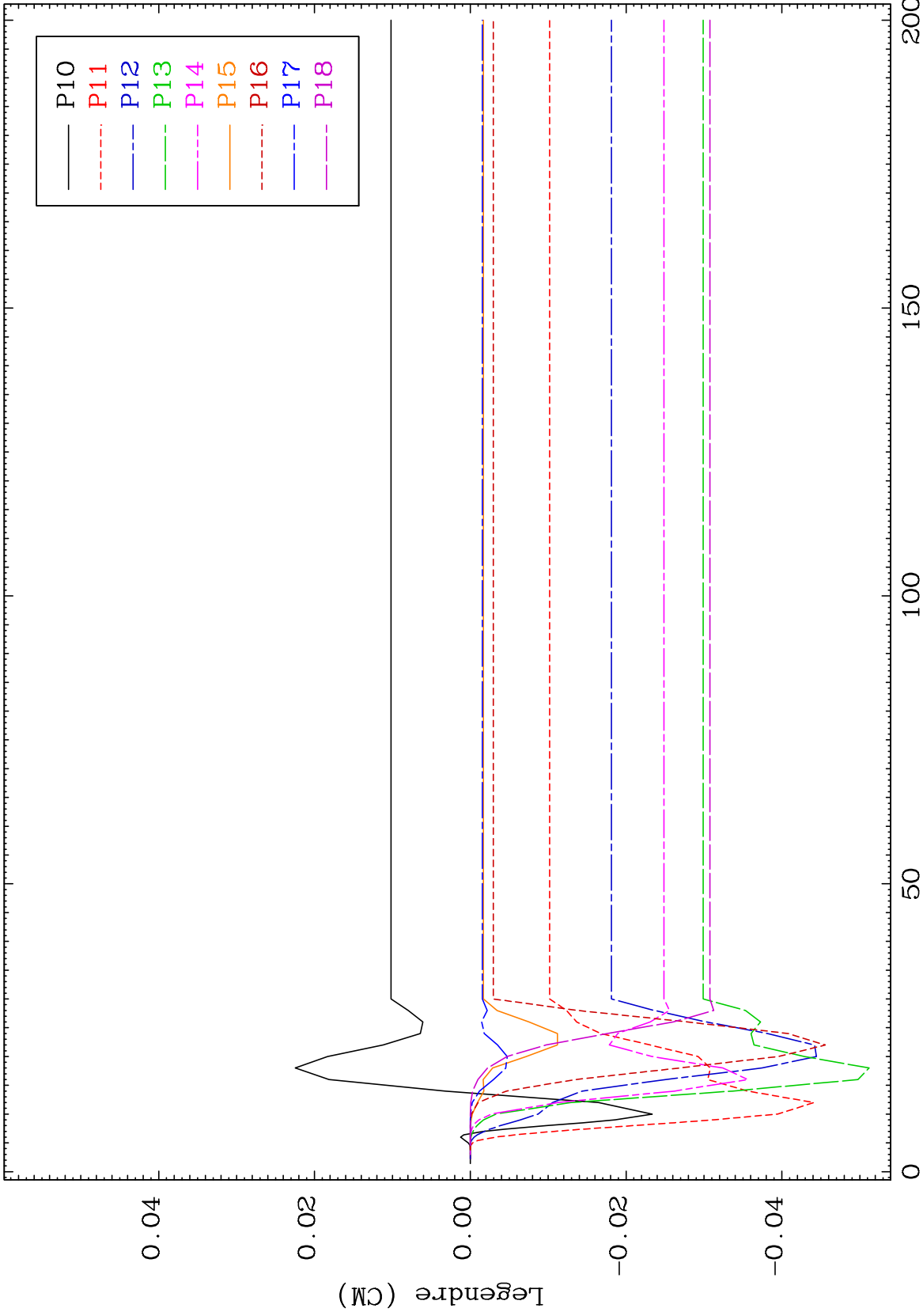
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



37

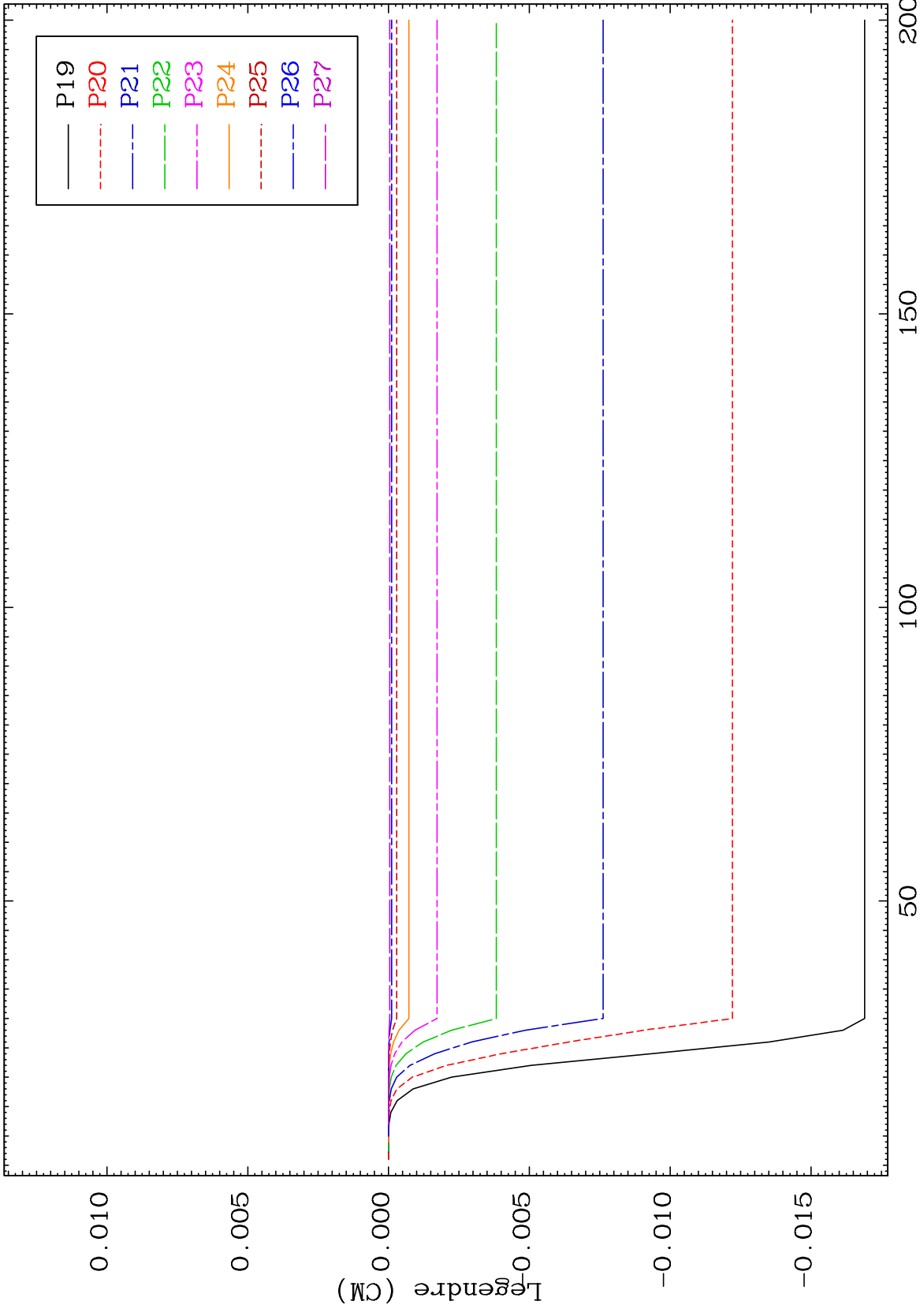
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



38

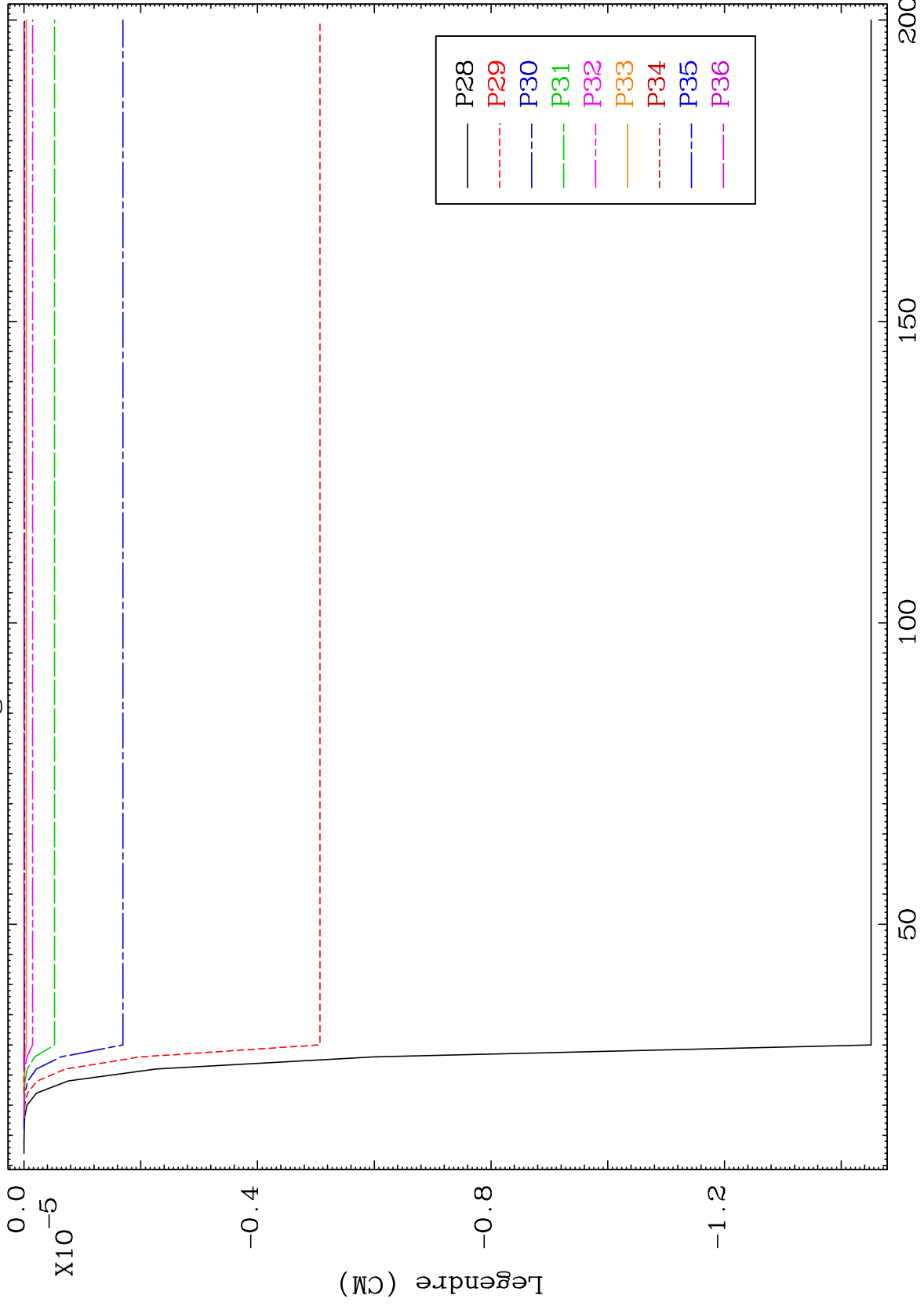
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



39

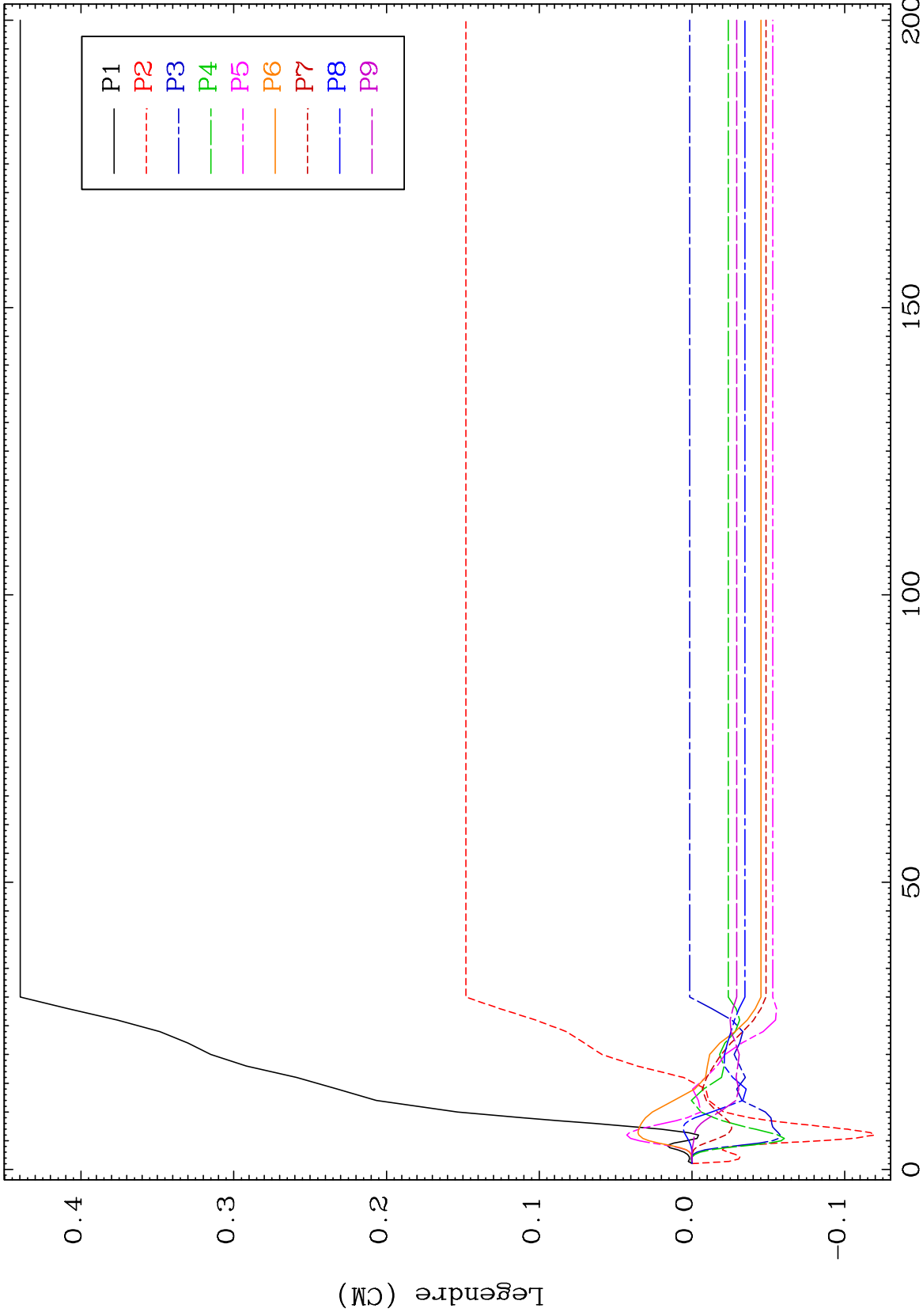
62-Sm-154

62-Sm-154

MAT 6255

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

62-Sm-154



62-Sm-154

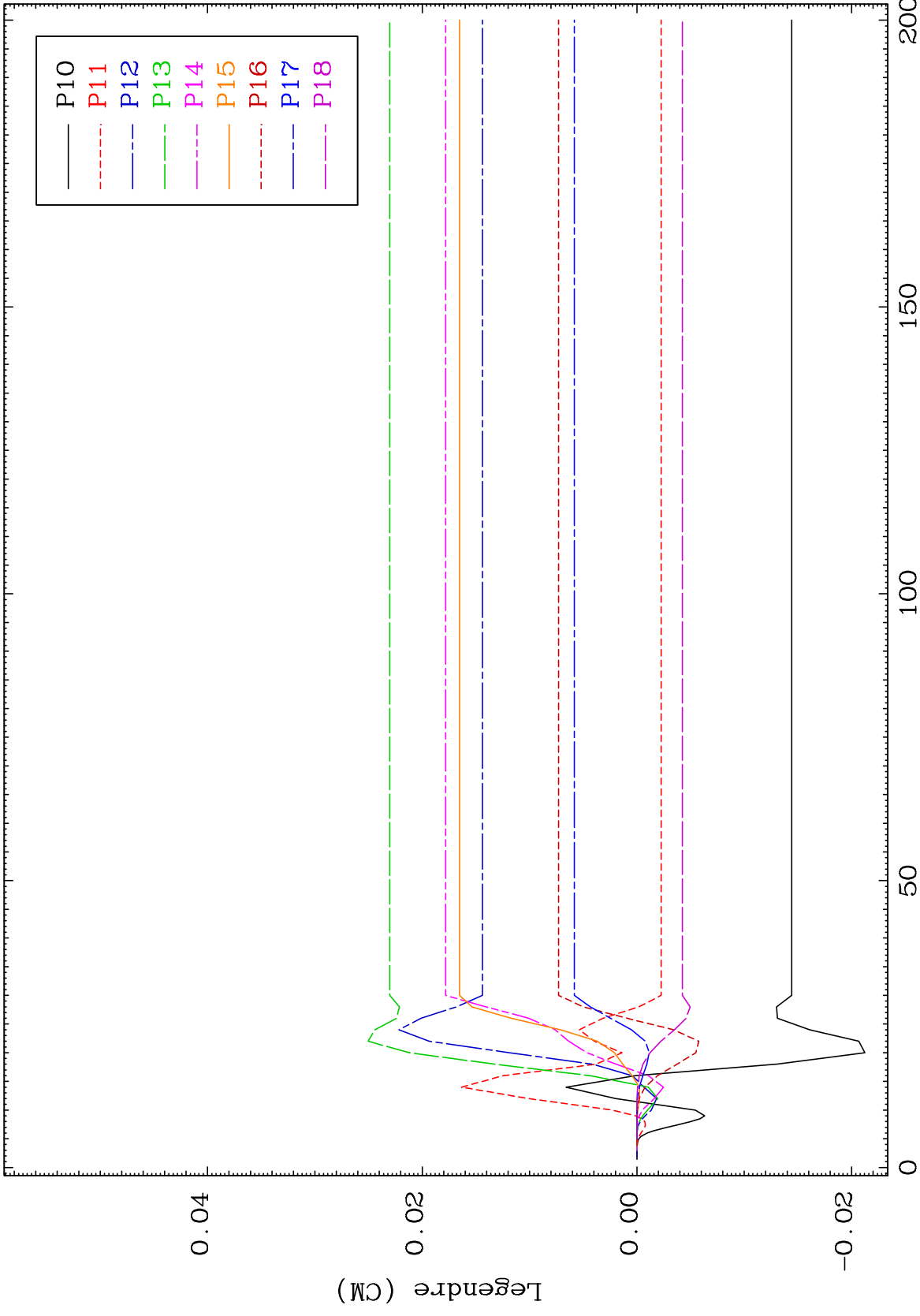
Incident Energy (MeV)

40

MAT 6255

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

62-Sm-154



41

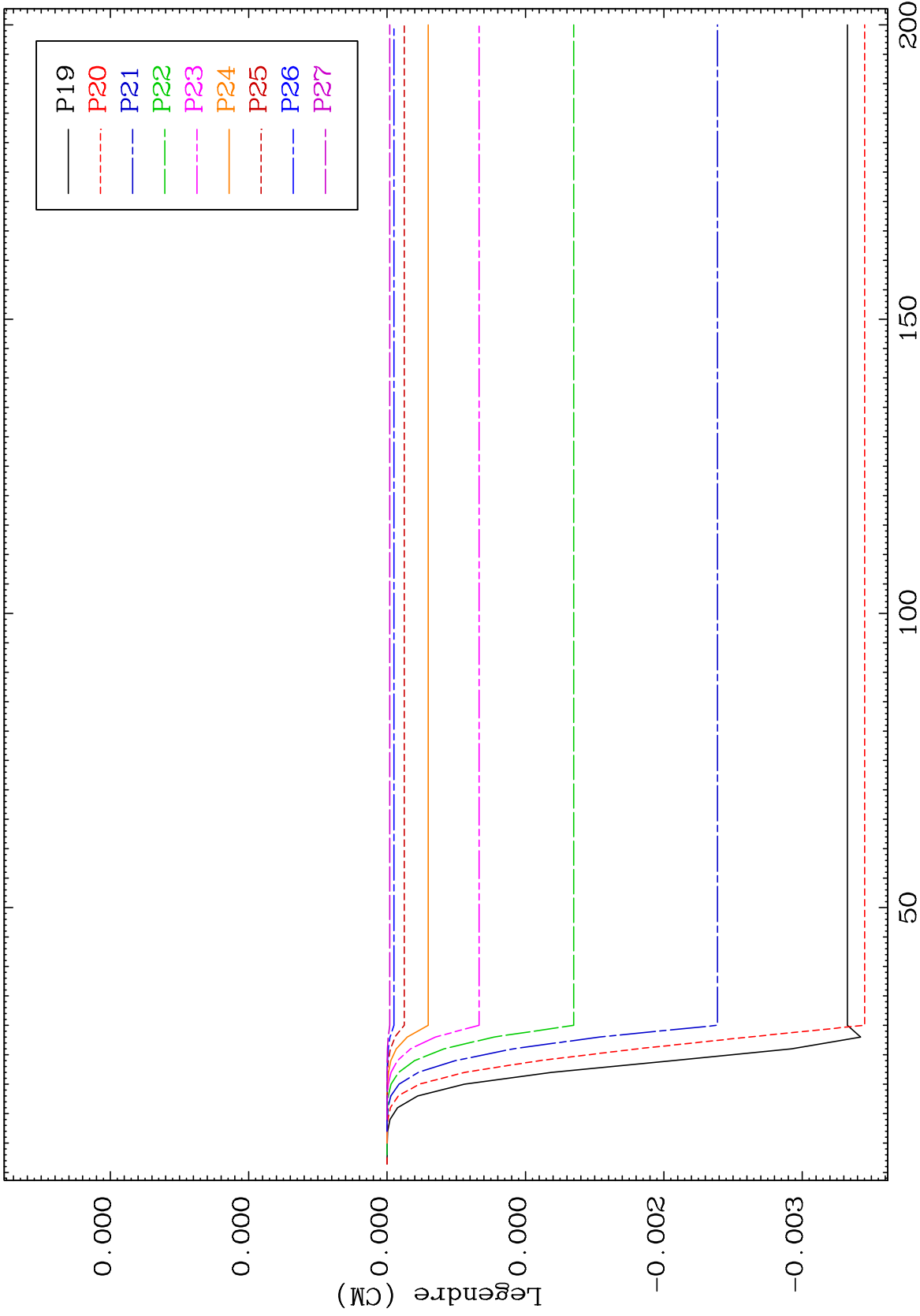
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



42

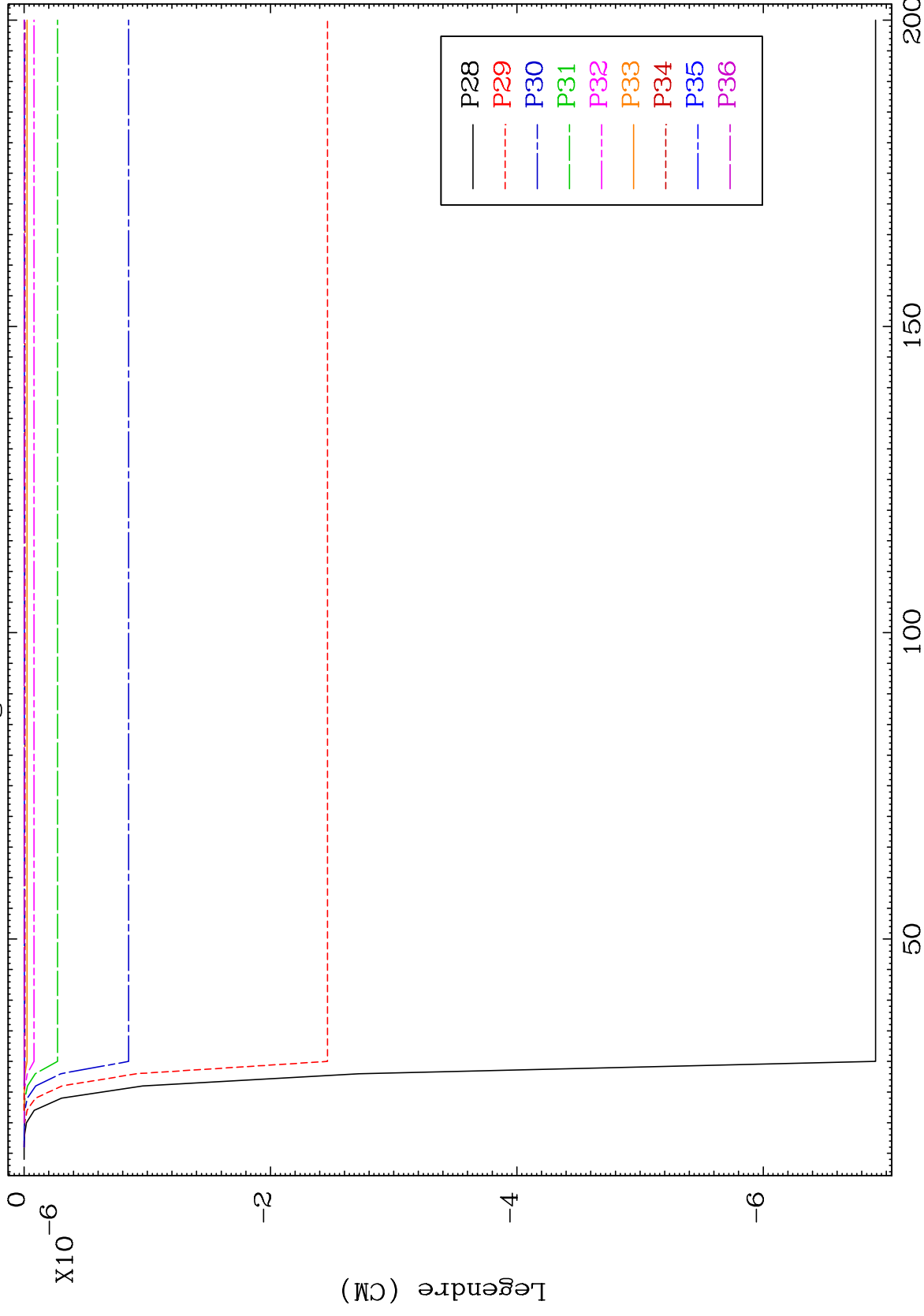
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



62-Sm-154

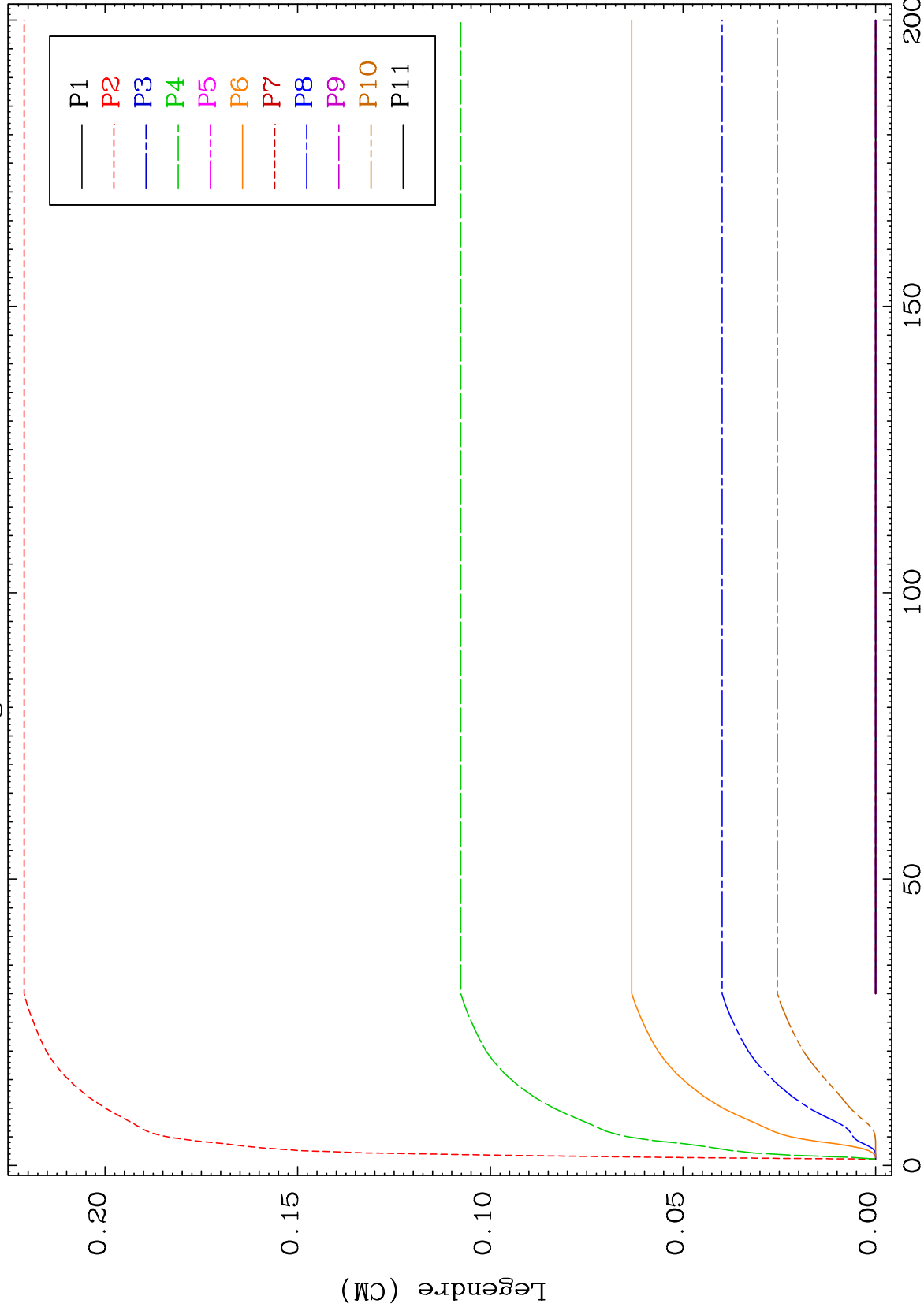
Incident Energy (MeV)

43

MAT 6255

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

62-Sm-154



44

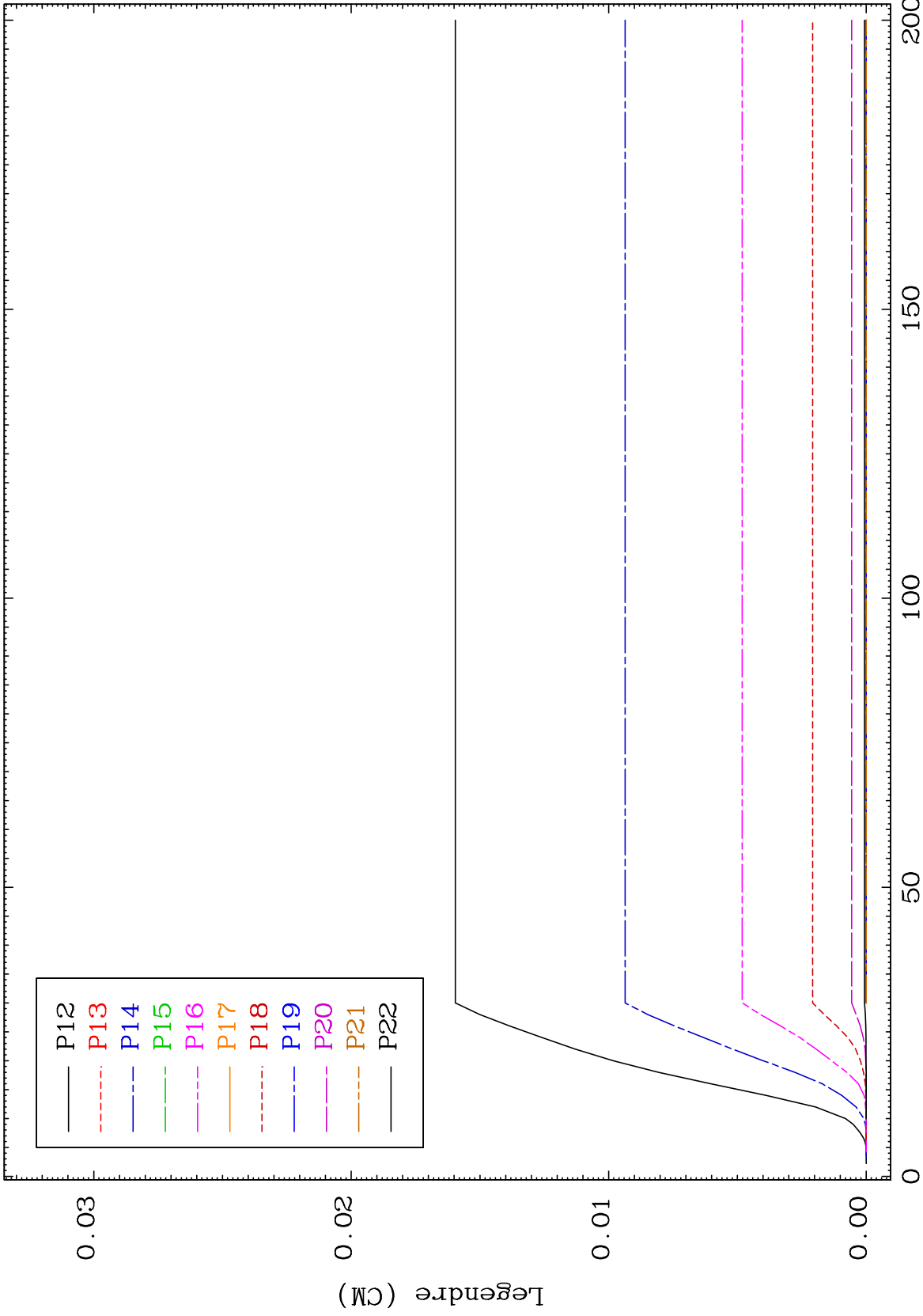
Incident Energy (MeV)

62-Sm-154

MAT 62555

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

62-Sm-154

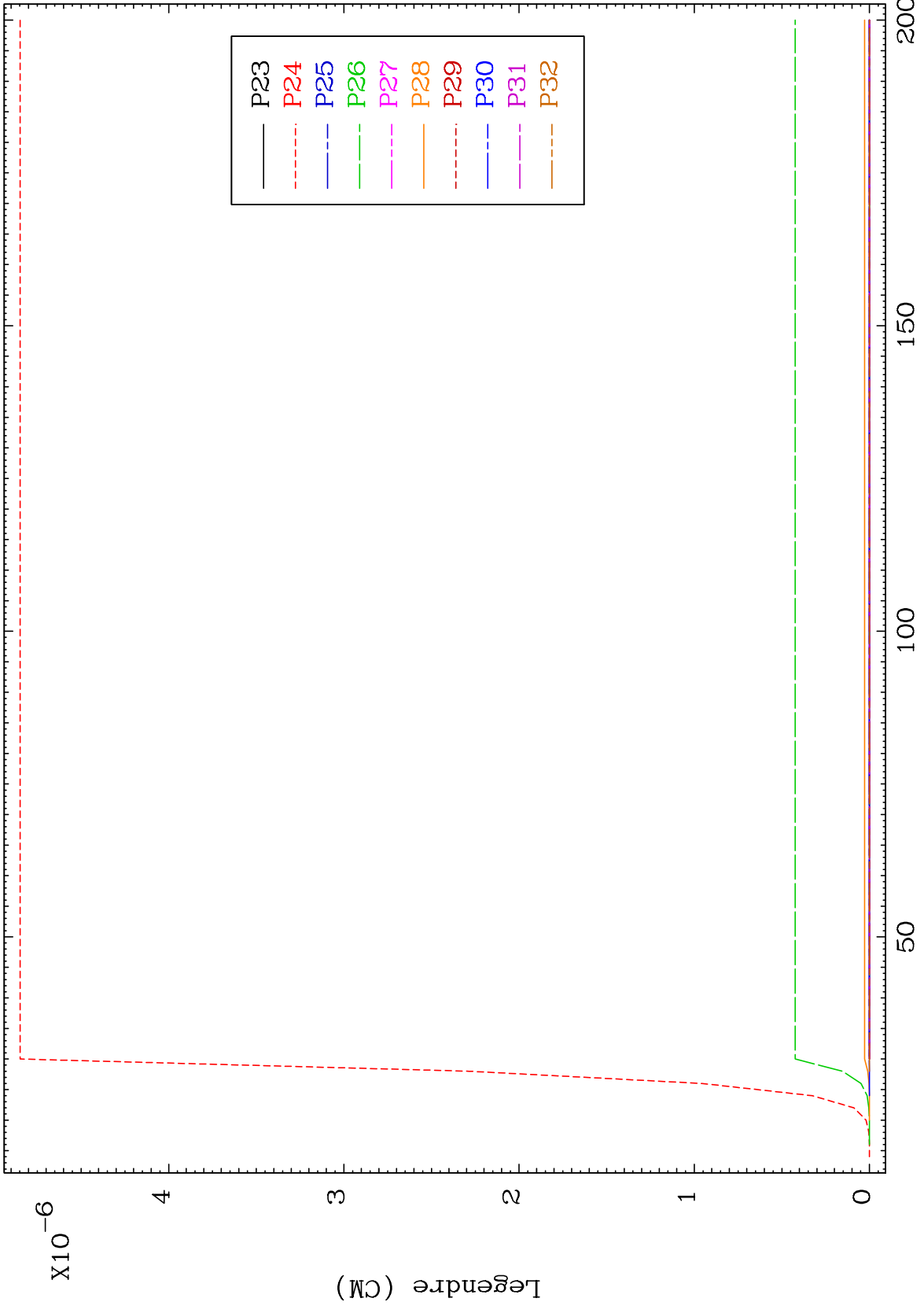


45

Incident Energy (MeV)

62-Sm-154

MAT 6255 MT= 57 (n,n') Level Legendre Coefficients 62-Sm-154

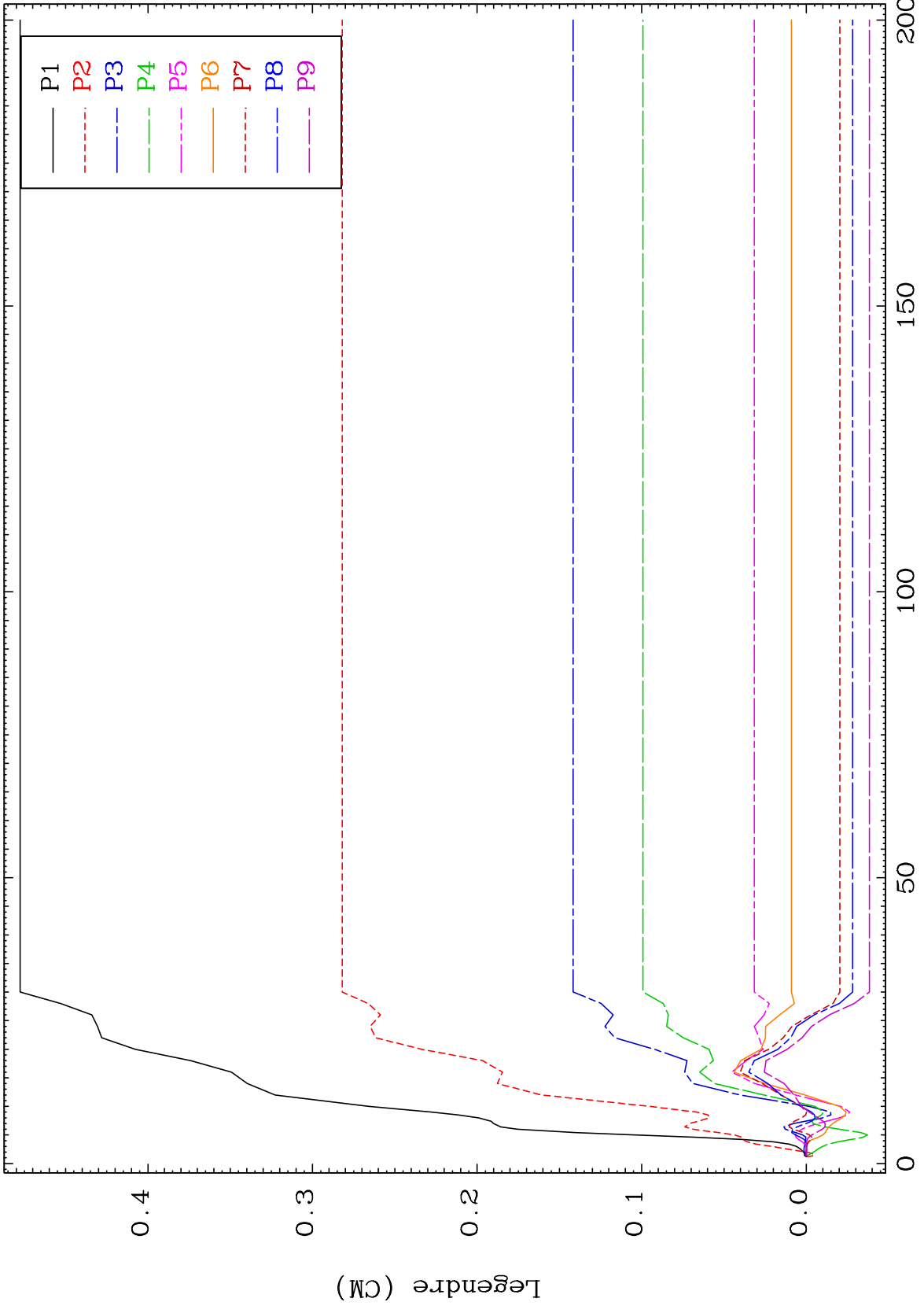


46 50 100 150 200 62-Sm-154

MAT 6255

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

62-Sm-154



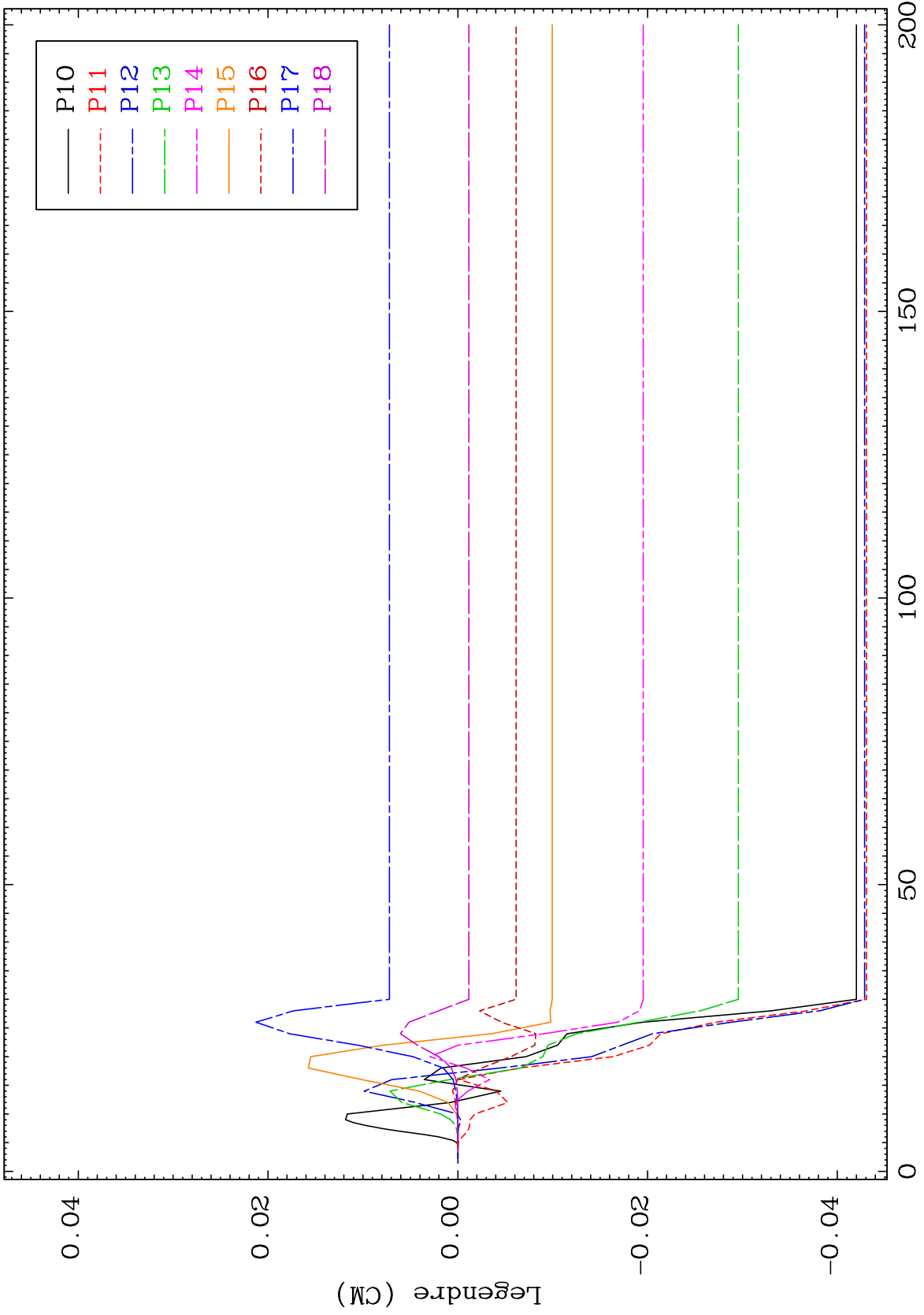
47

62-Sm-154

MAT 6255

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

62-Sm-154



48

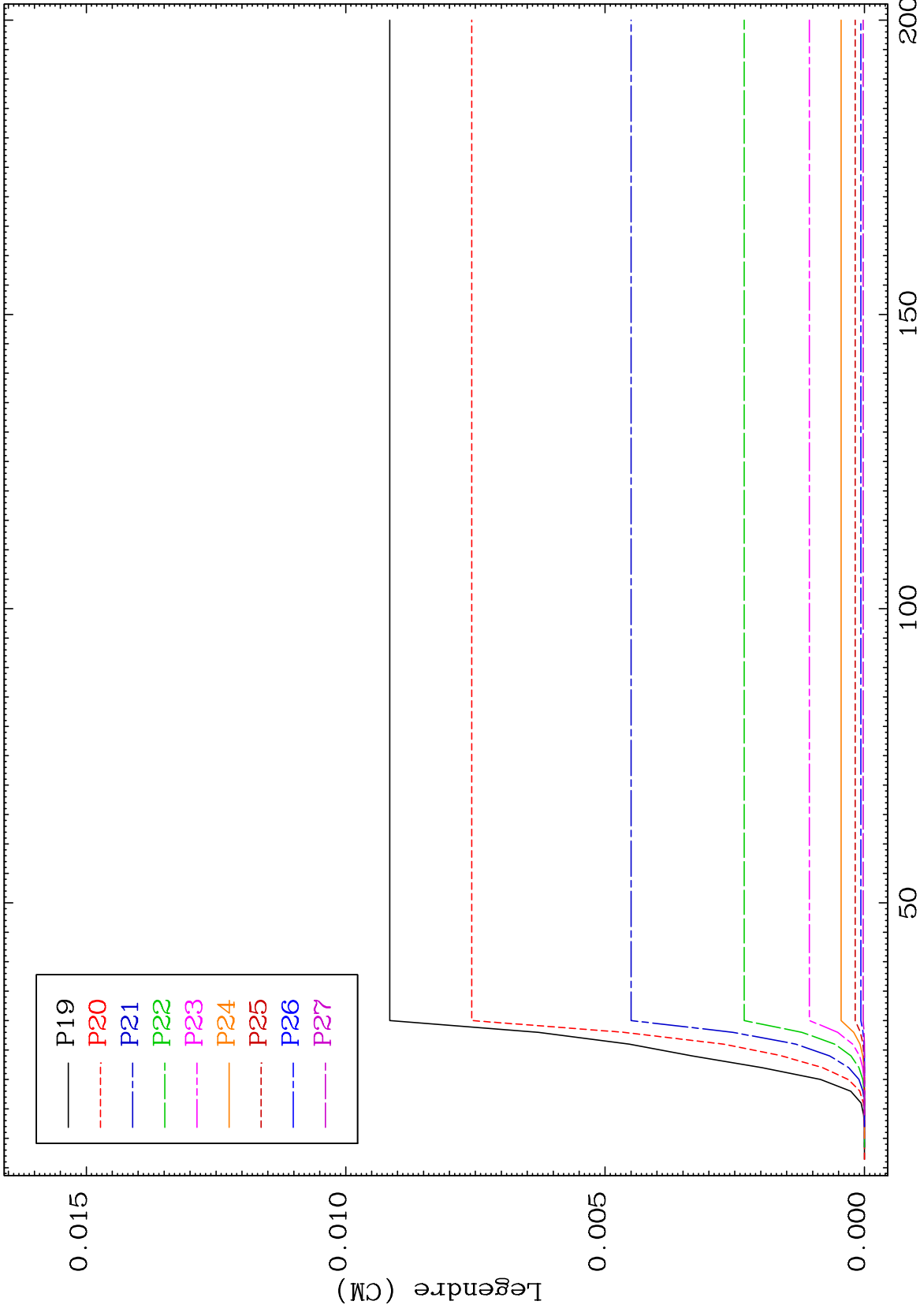
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



49

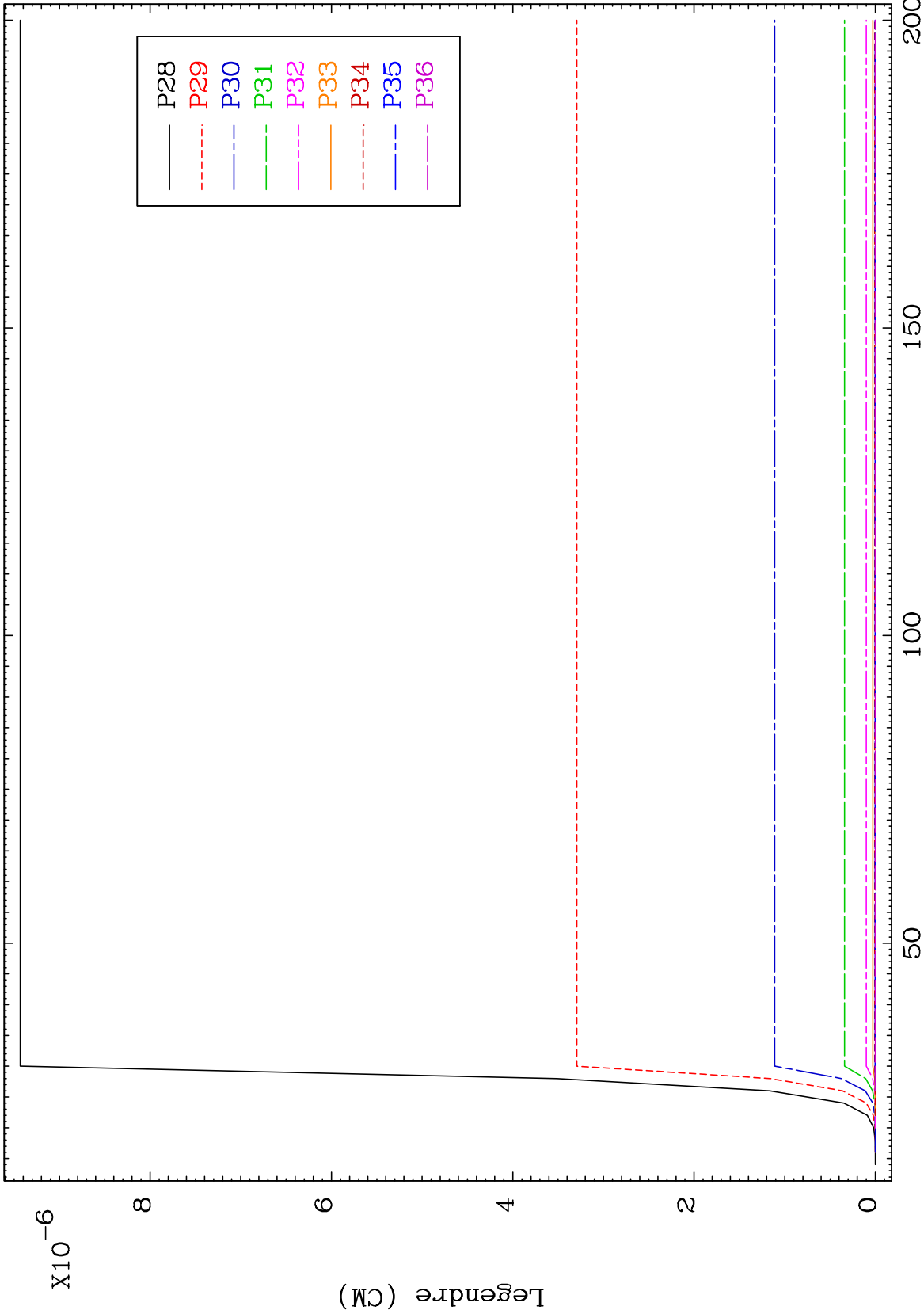
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



50

50

100

150

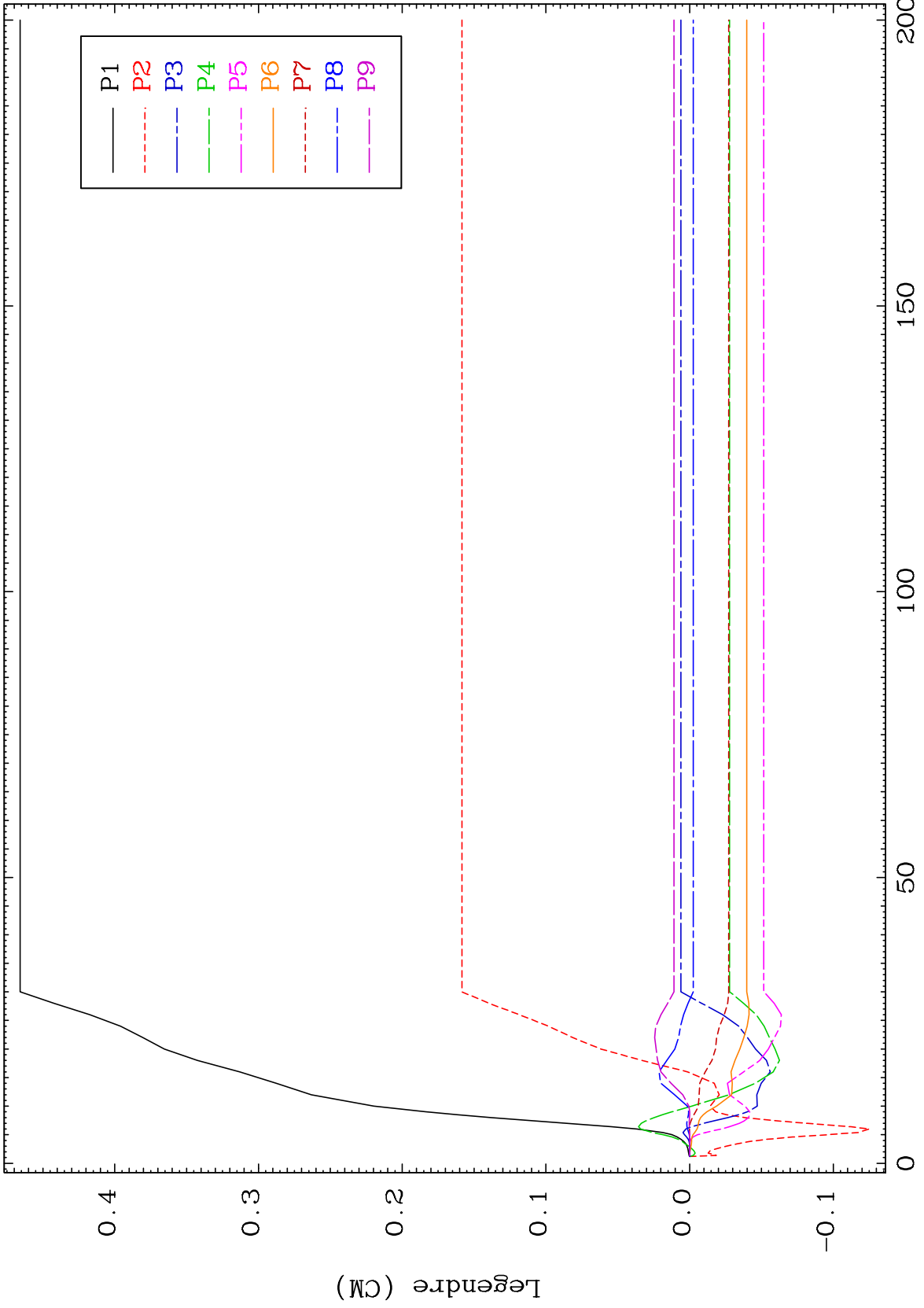
200

62-Sm-154

MAT 6255

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

62-Sm-154



51

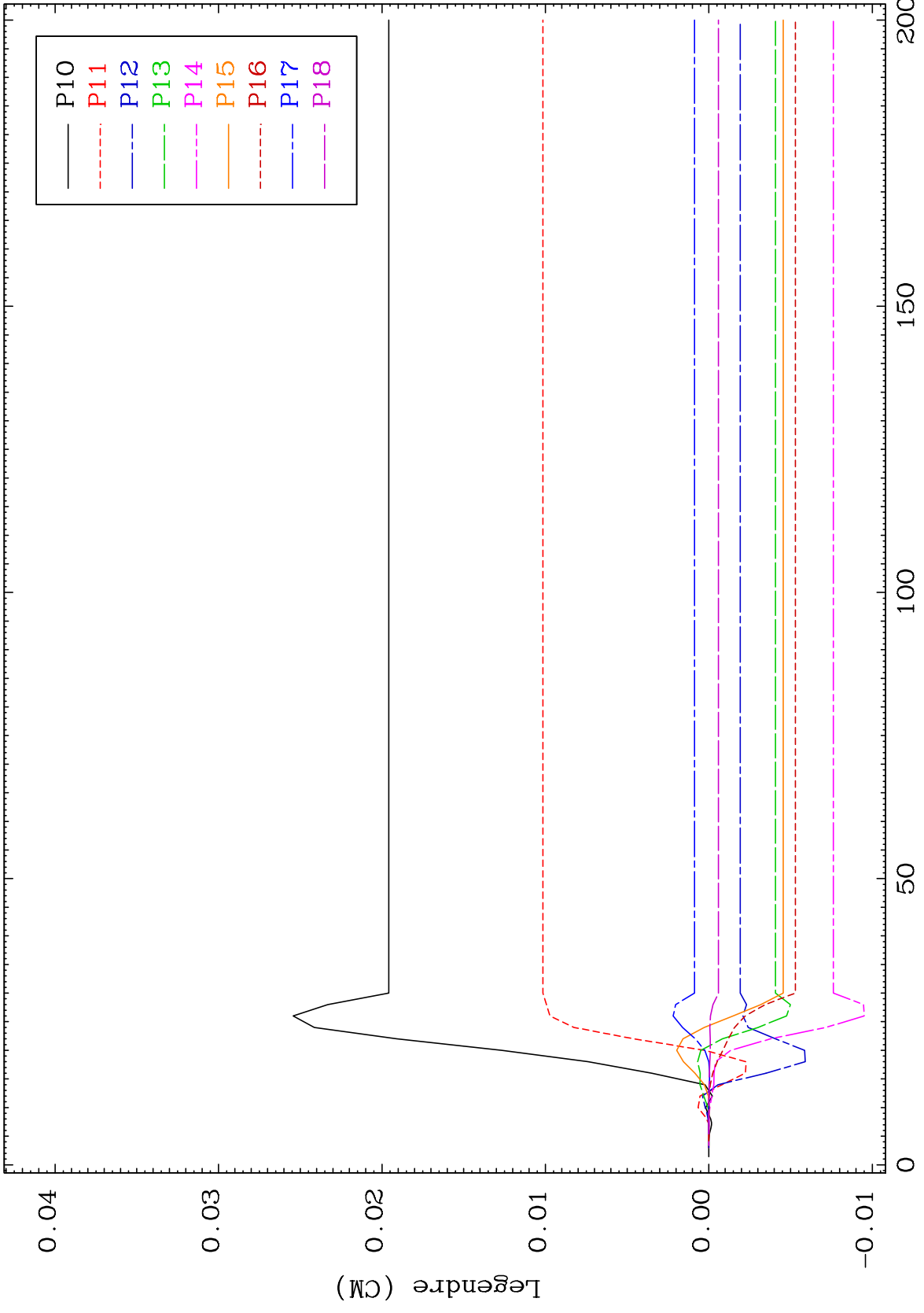
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



52

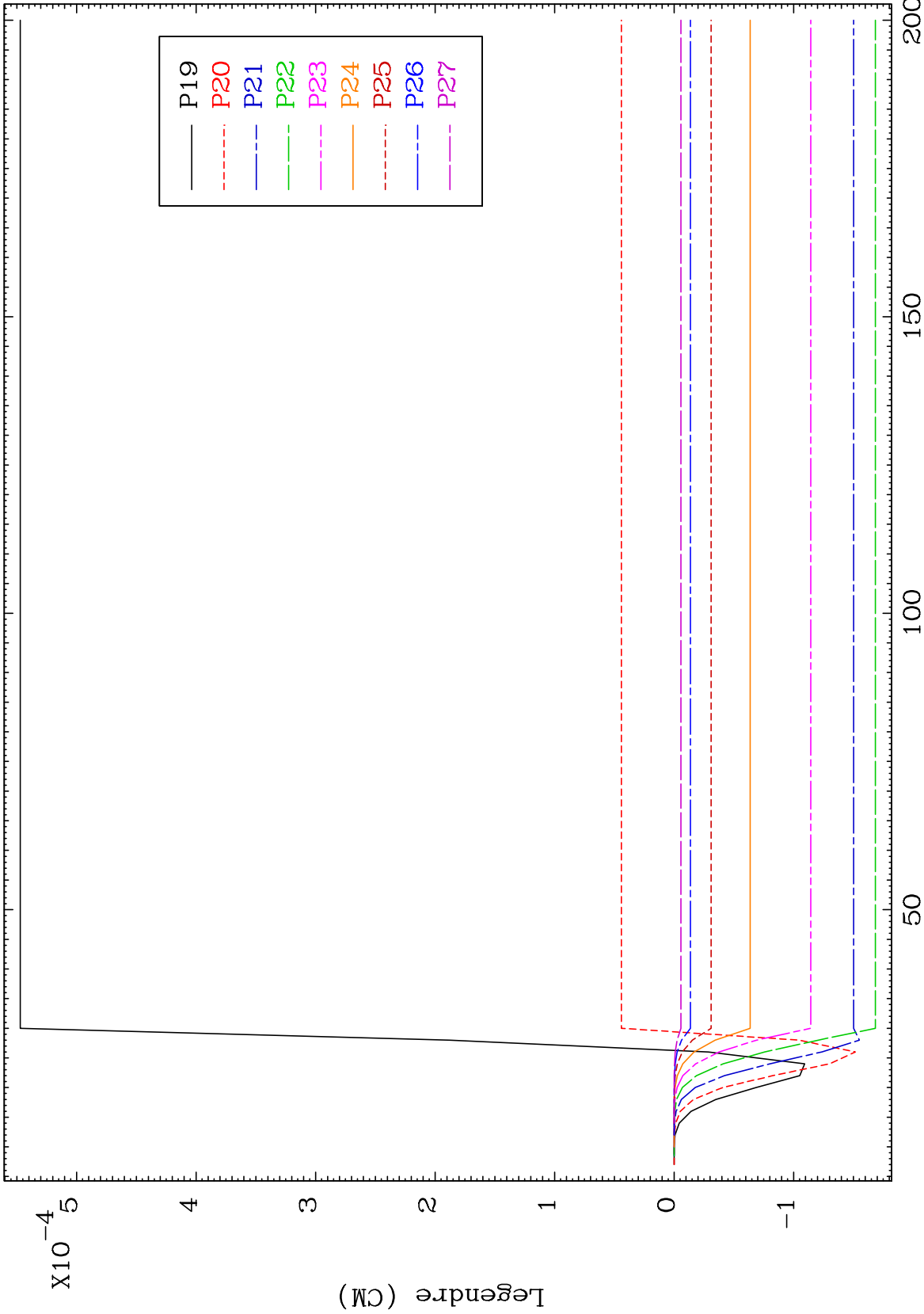
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



53

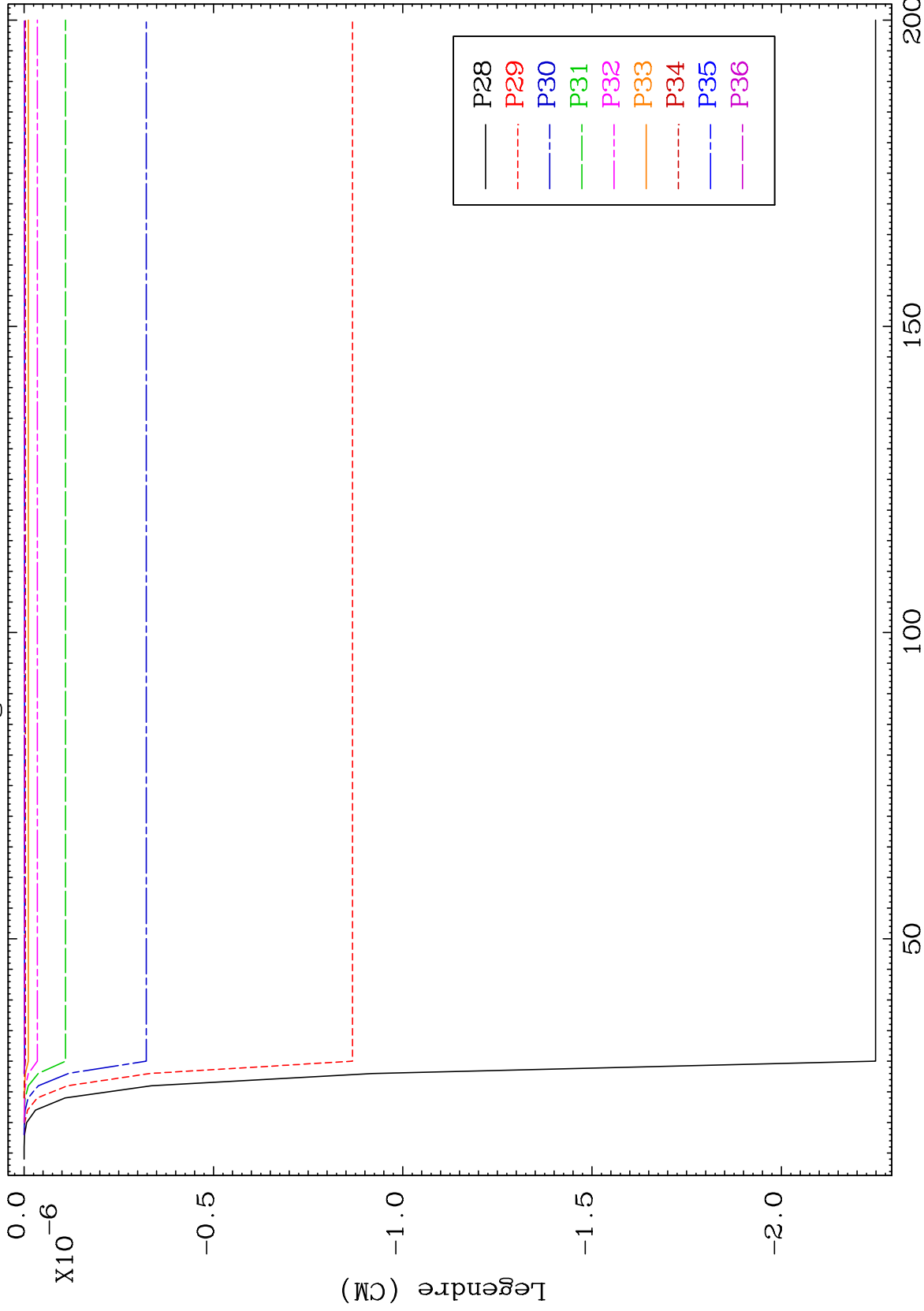
62-Sm-154

62-Sm-154

MAT 6255

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

62-Sm-154

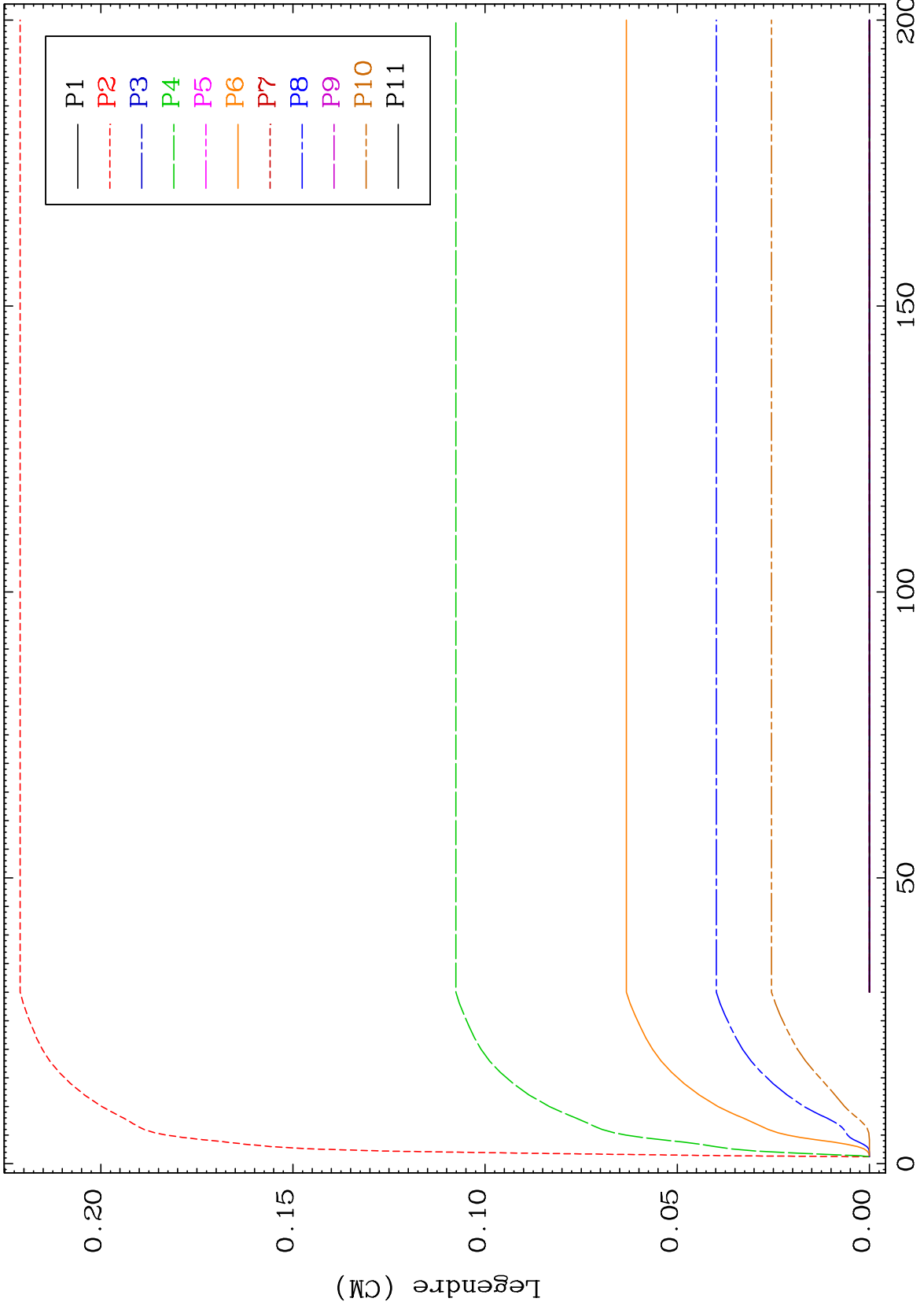


62-Sm-154

Incident Energy (MeV)

54

MAT 6255 MT= 60 (n,n') Level Legendre Coefficients 62-Sm-154

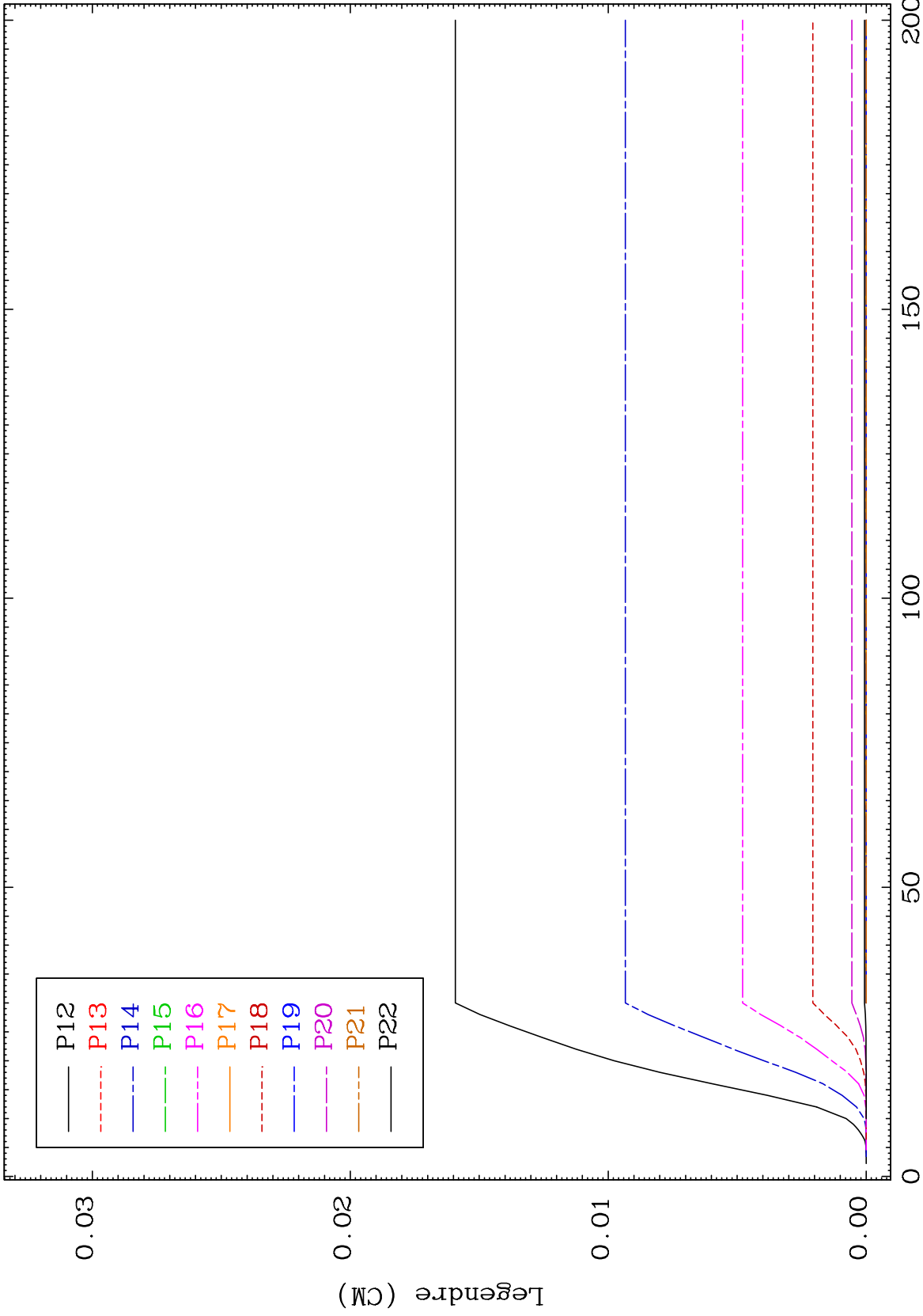


55 Incident Energy (MeV) 62-Sm-154

MAT 62555

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

62-Sm-154

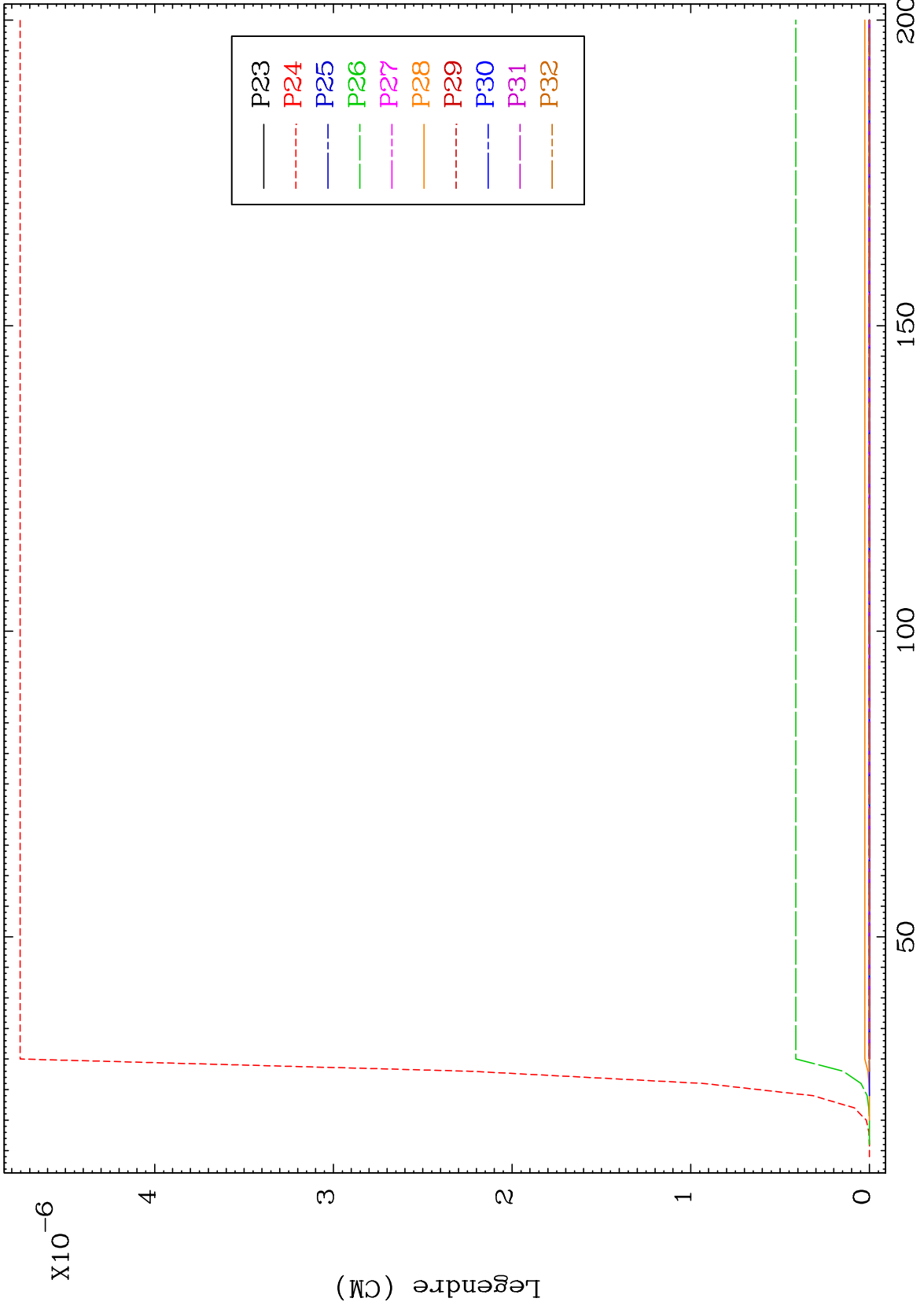


56

Incident Energy (MeV)

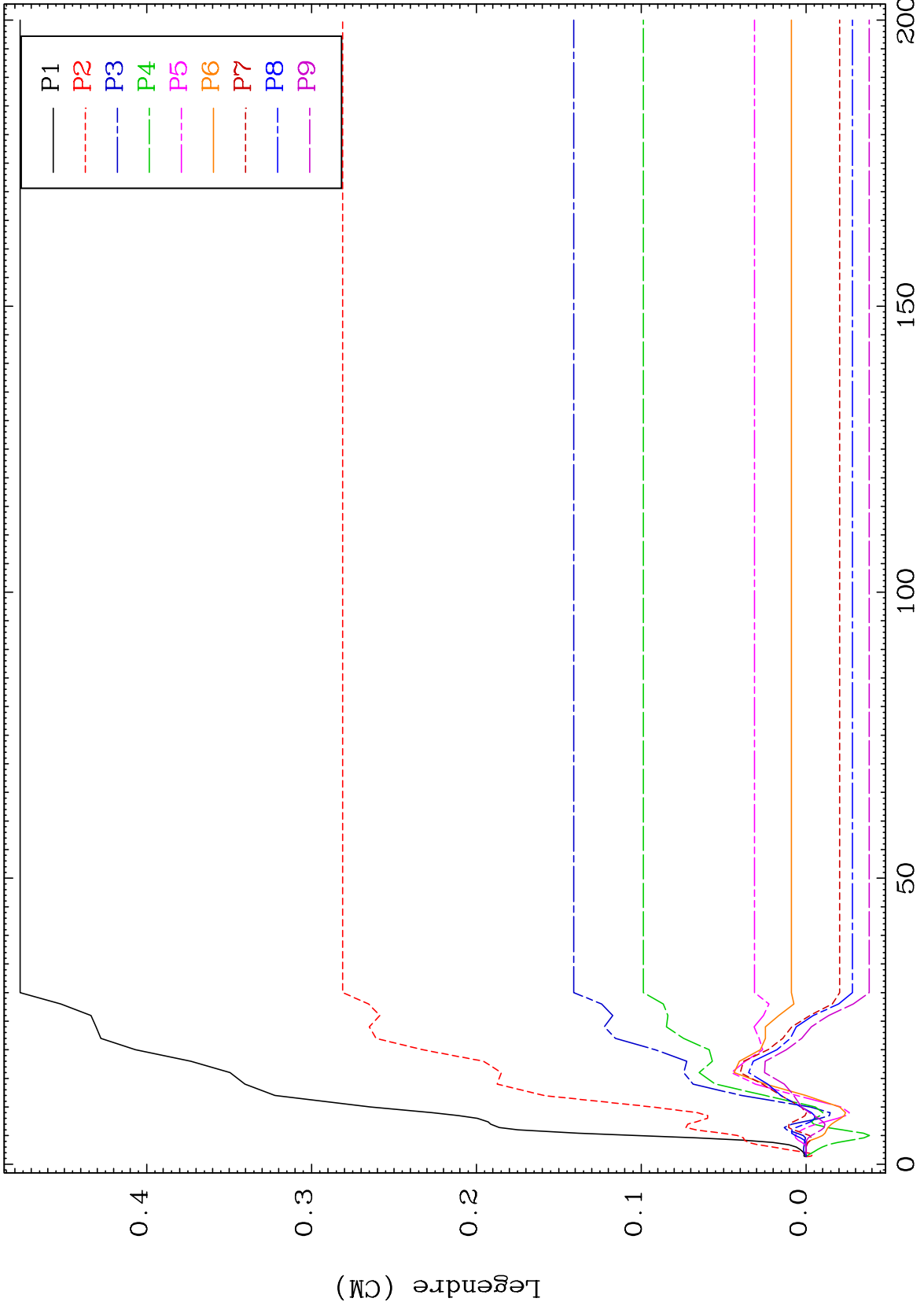
62-Sm-154

MAT 6255 MT= 60 (n,n') Level Legendre Coefficients 62-Sm-154



57 62-Sm-154

MAT 6255 MT= 61 (n,n') Level Legendre Coefficients 62-Sm-154

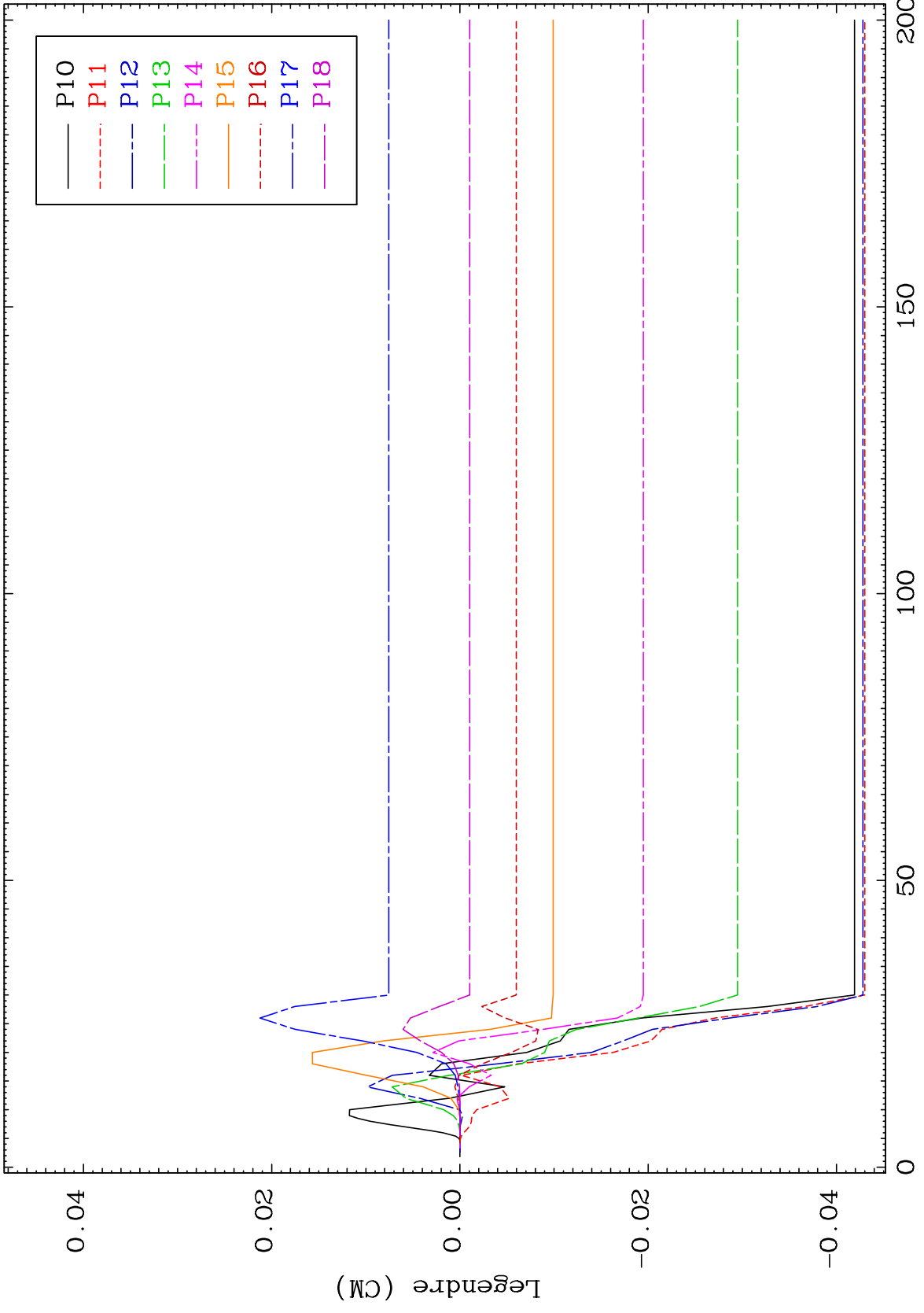


58 Incident Energy (MeV) 62-Sm-154

MAT 6255

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

62-Sm-154



59

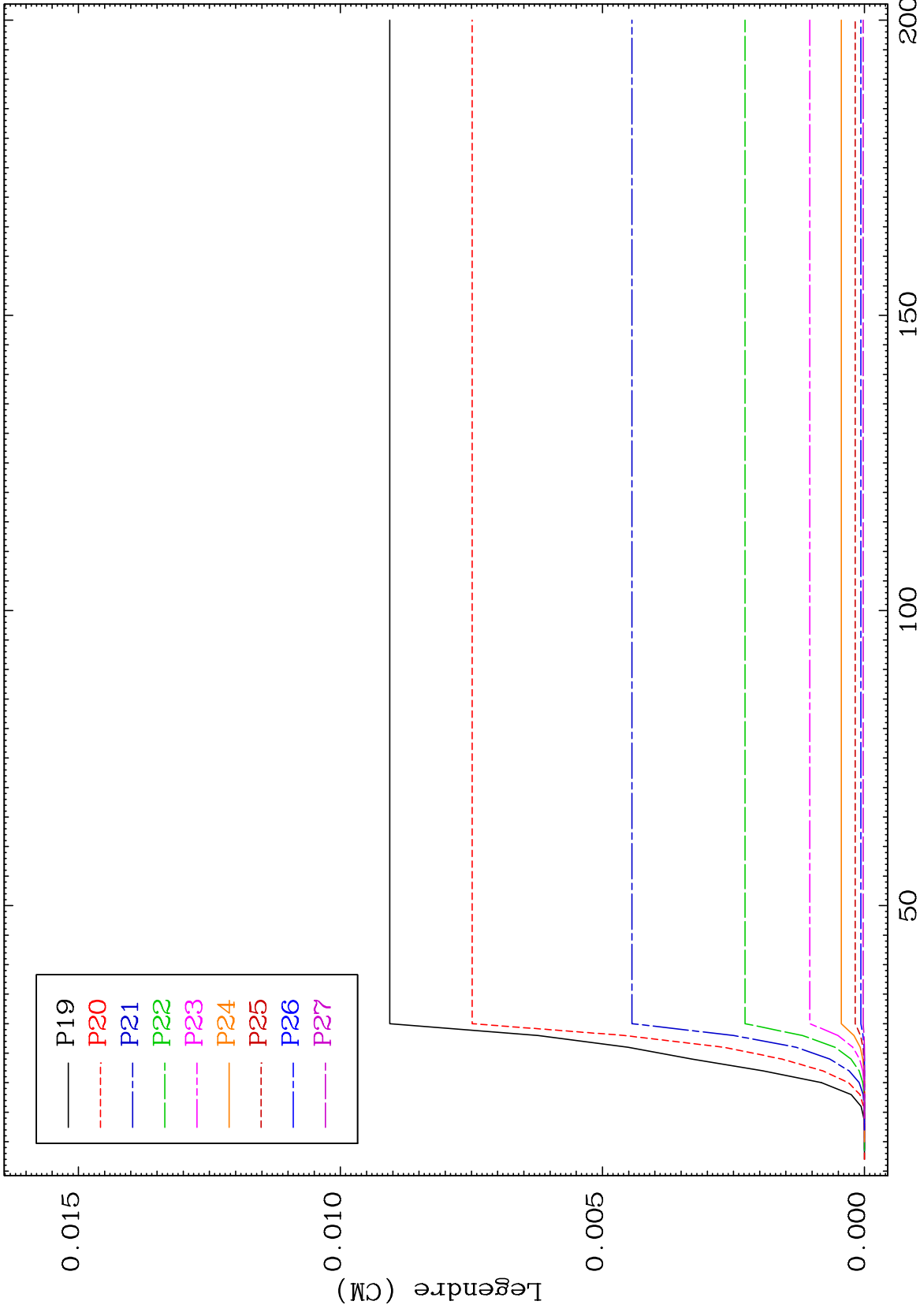
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



60

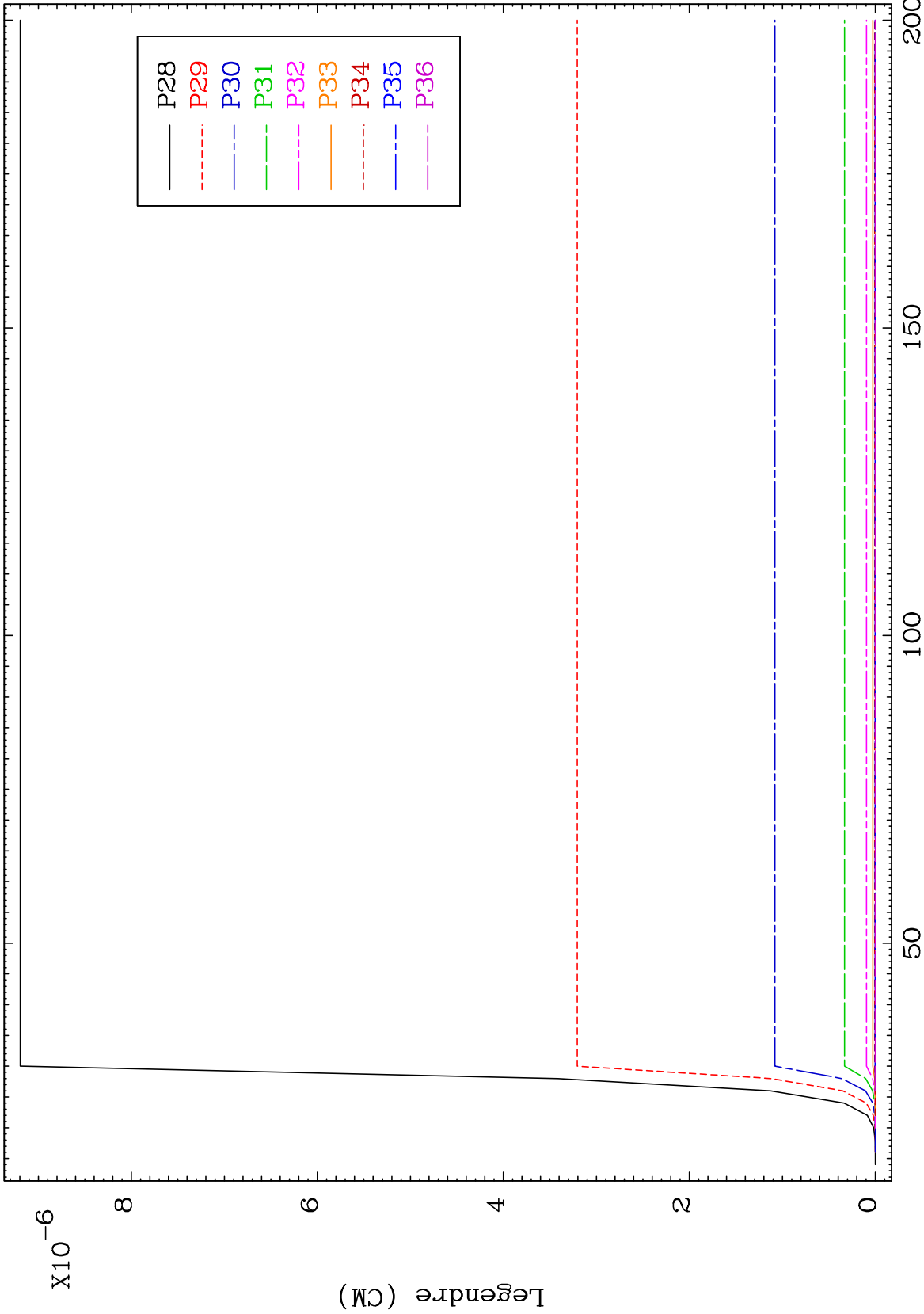
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154

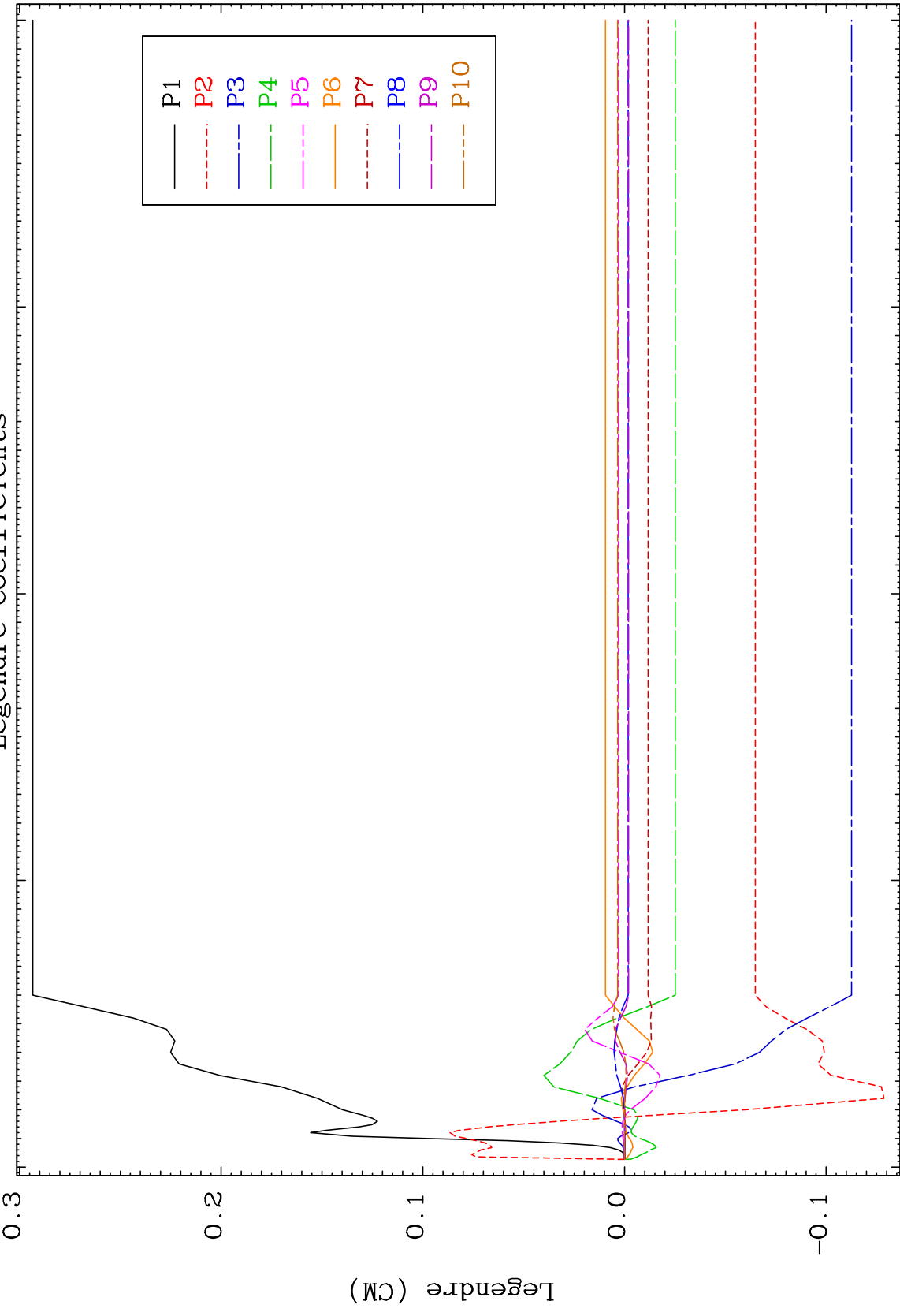


61

Incident Energy (MeV)

62-Sm-154

MAT 6255 MT= 62 (n,n') Level Legendre Coefficients 62-Sm-154

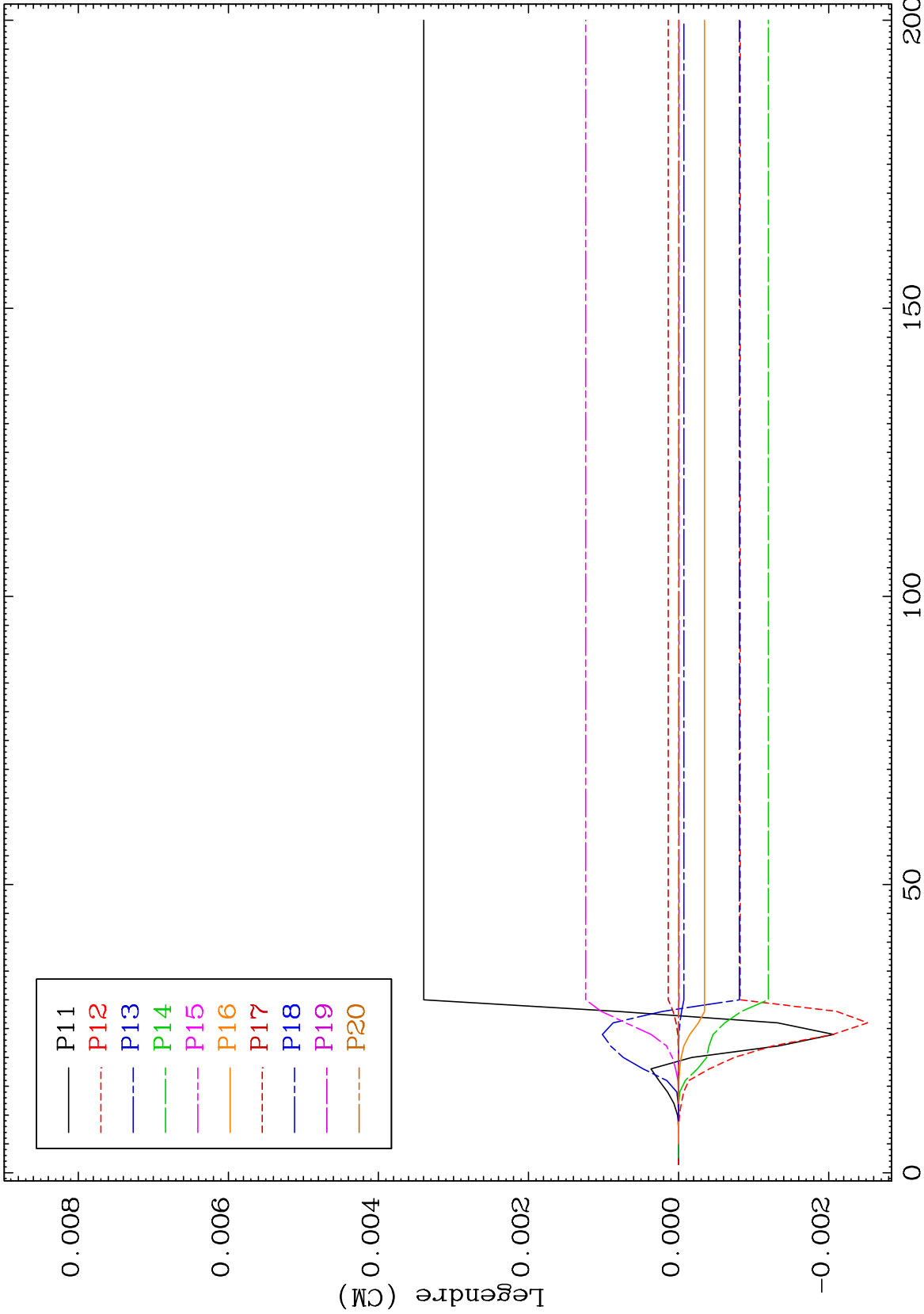


62 Incident Energy (MeV) 62-Sm-154

MAT 6255

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

62-Sm-154



63

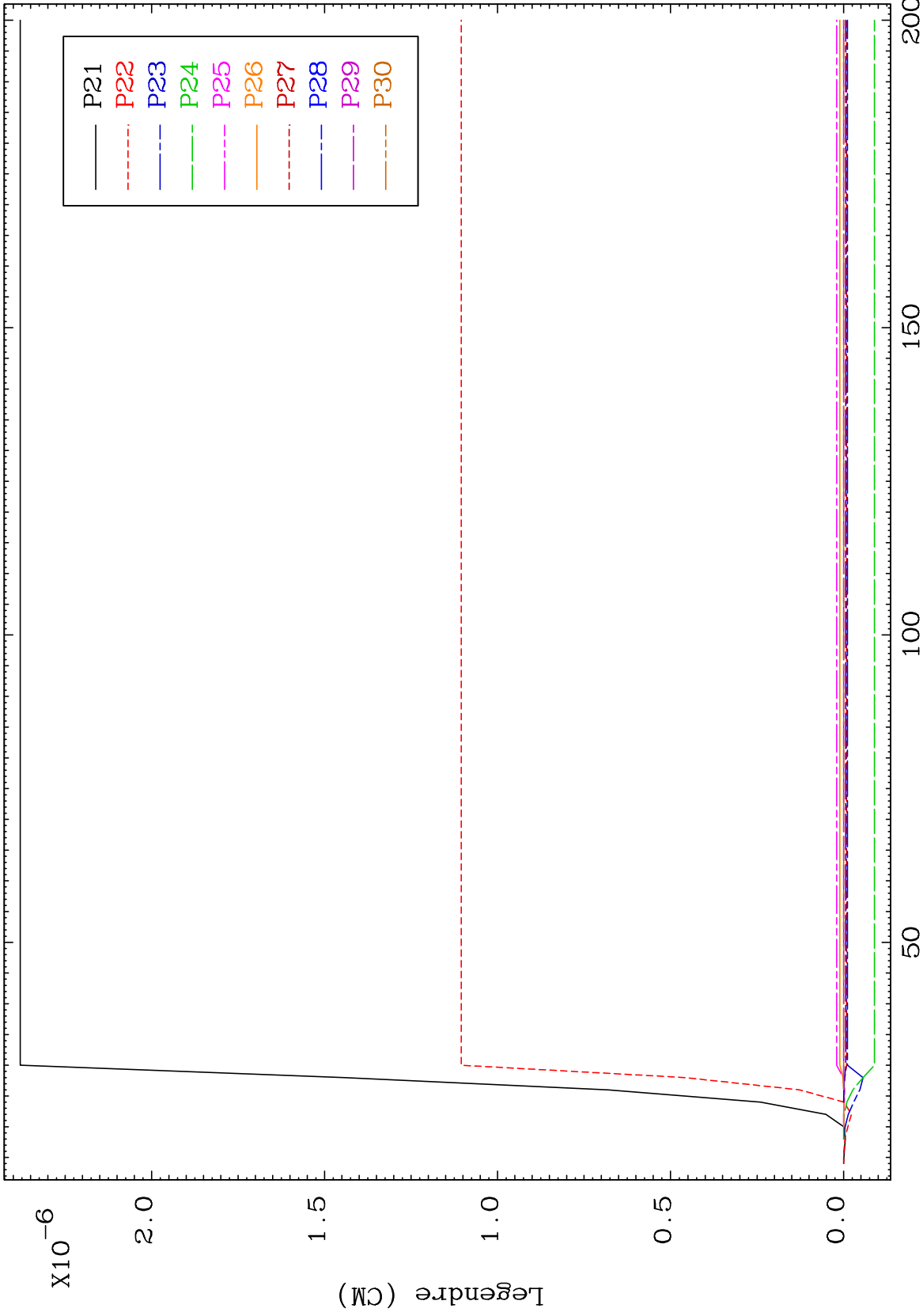
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



64

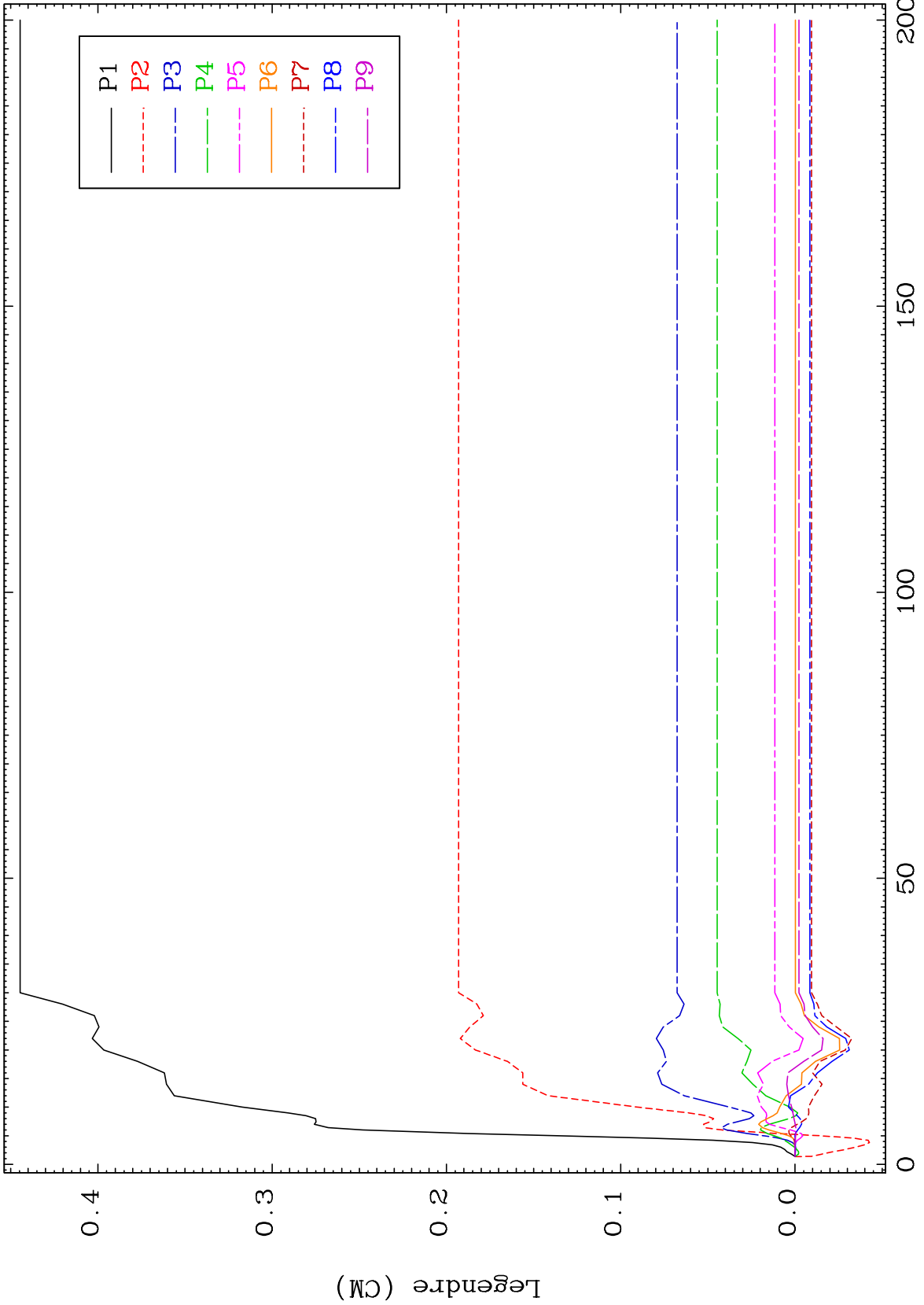
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



65

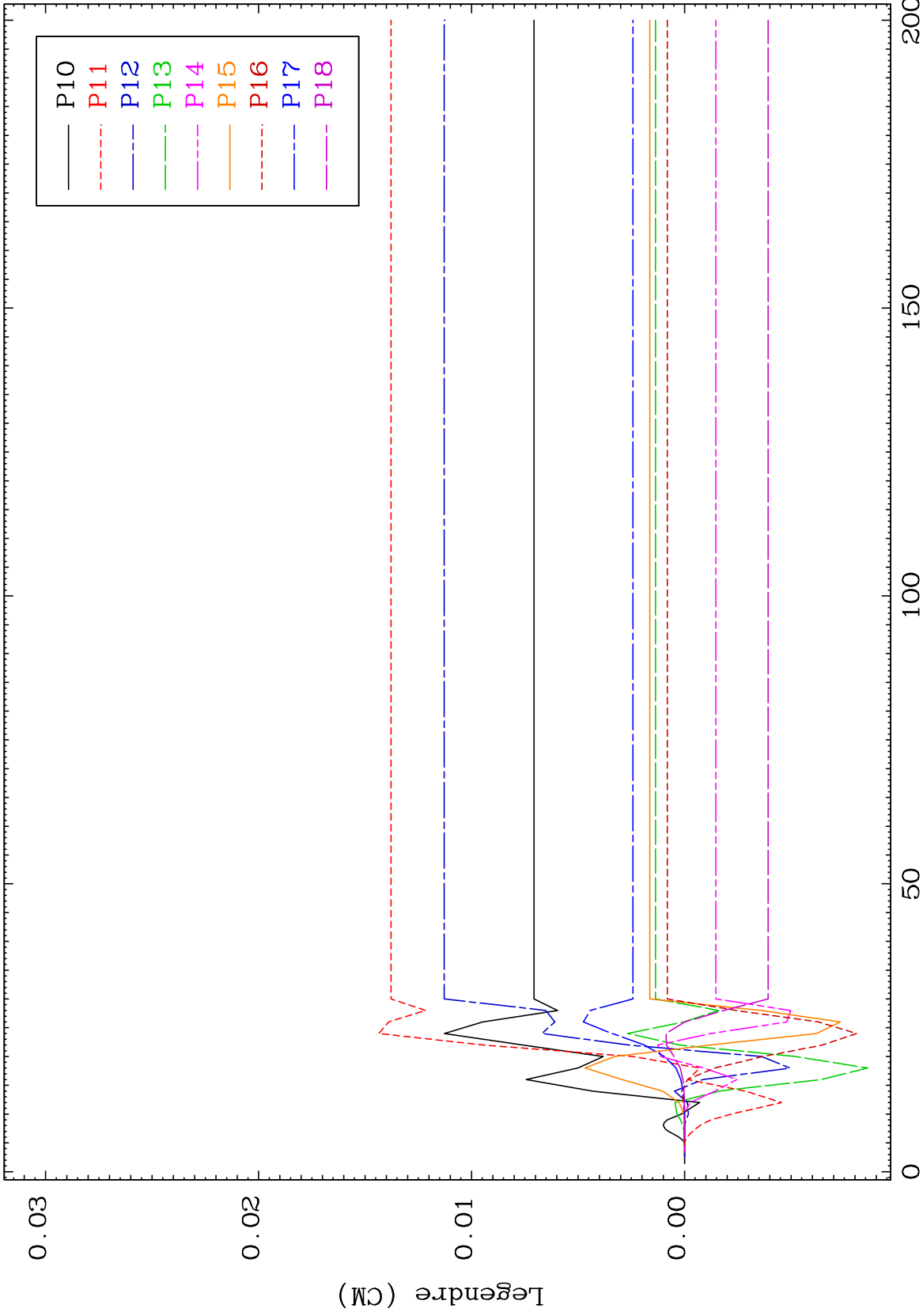
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



66

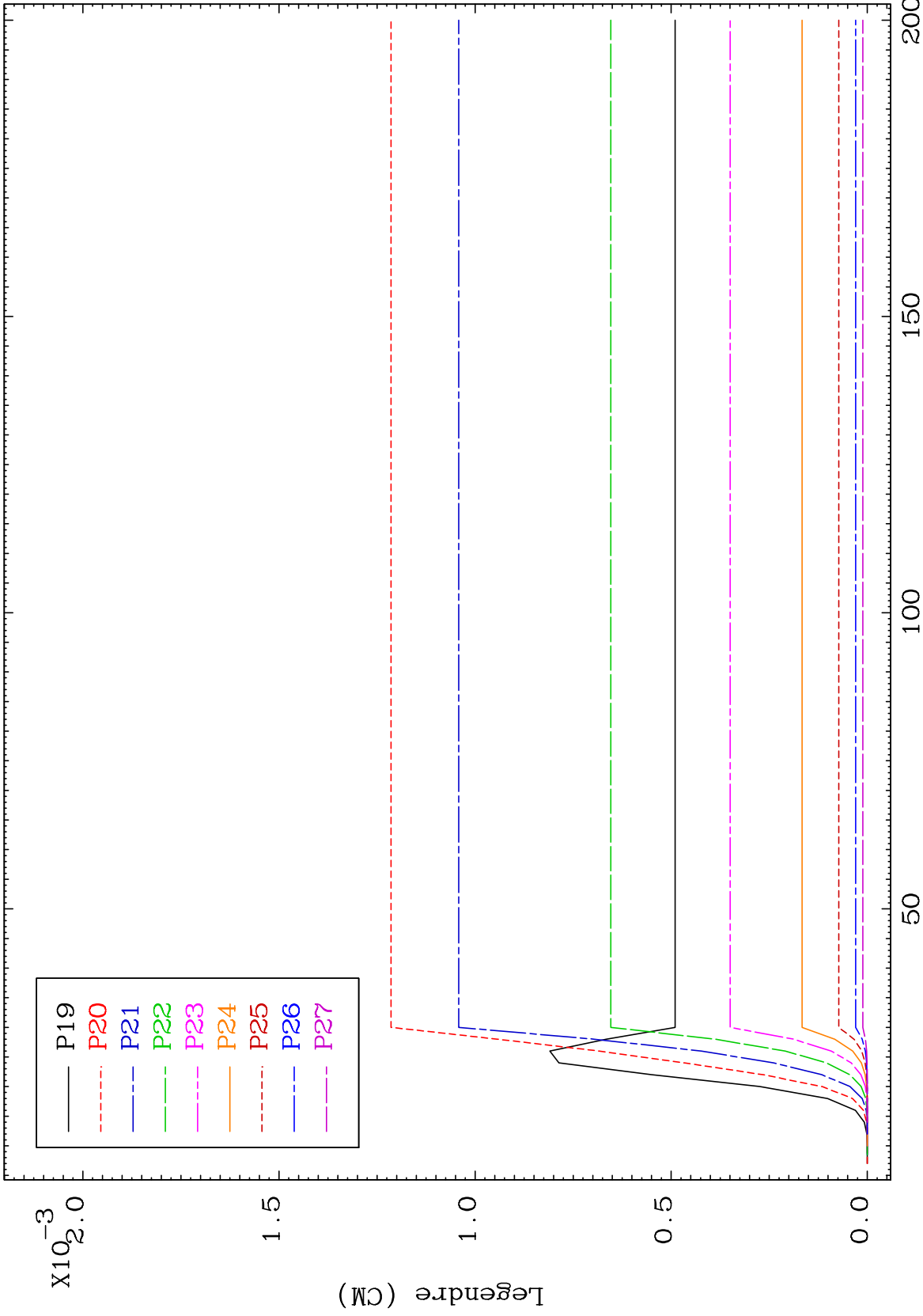
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



67

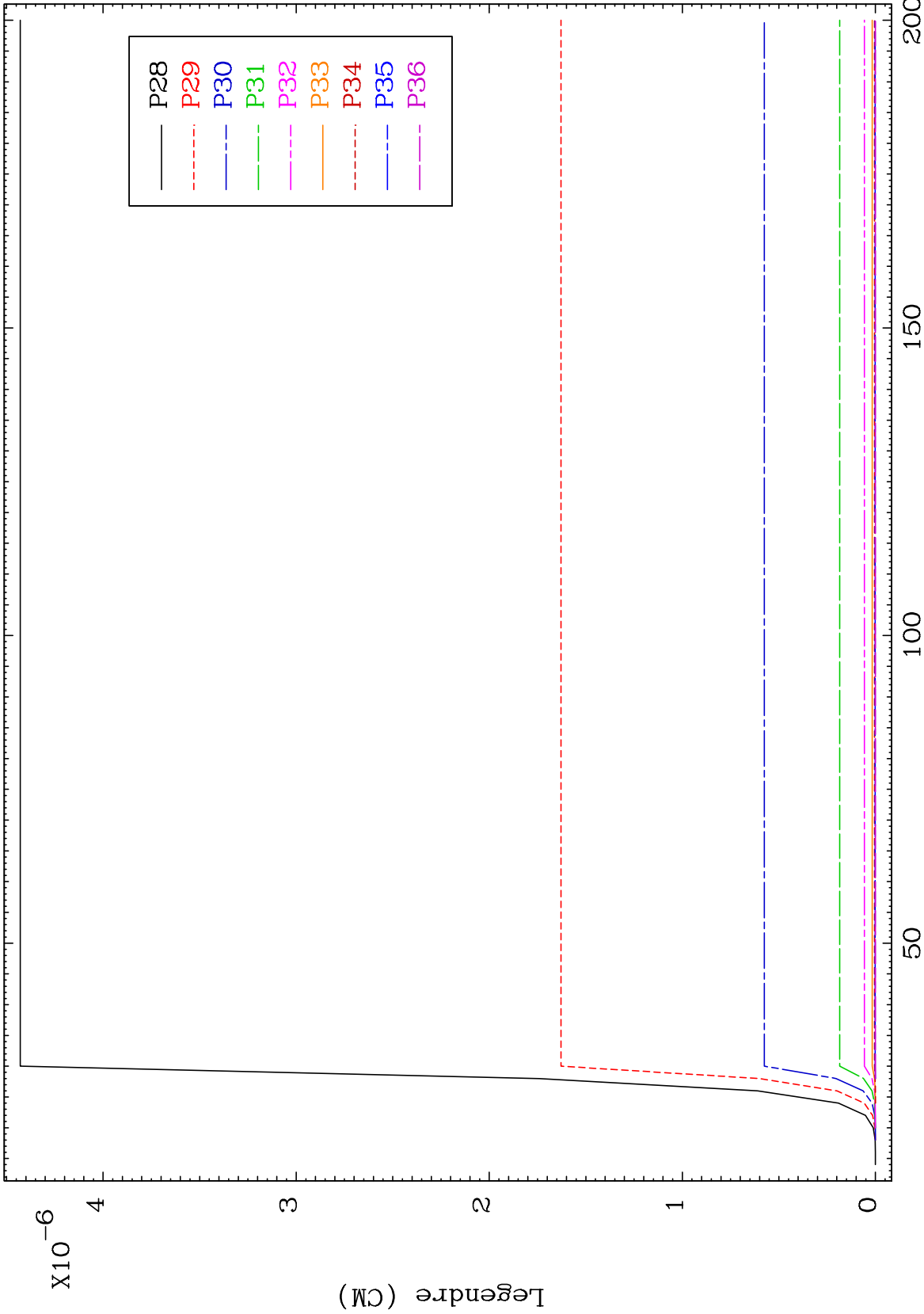
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



68

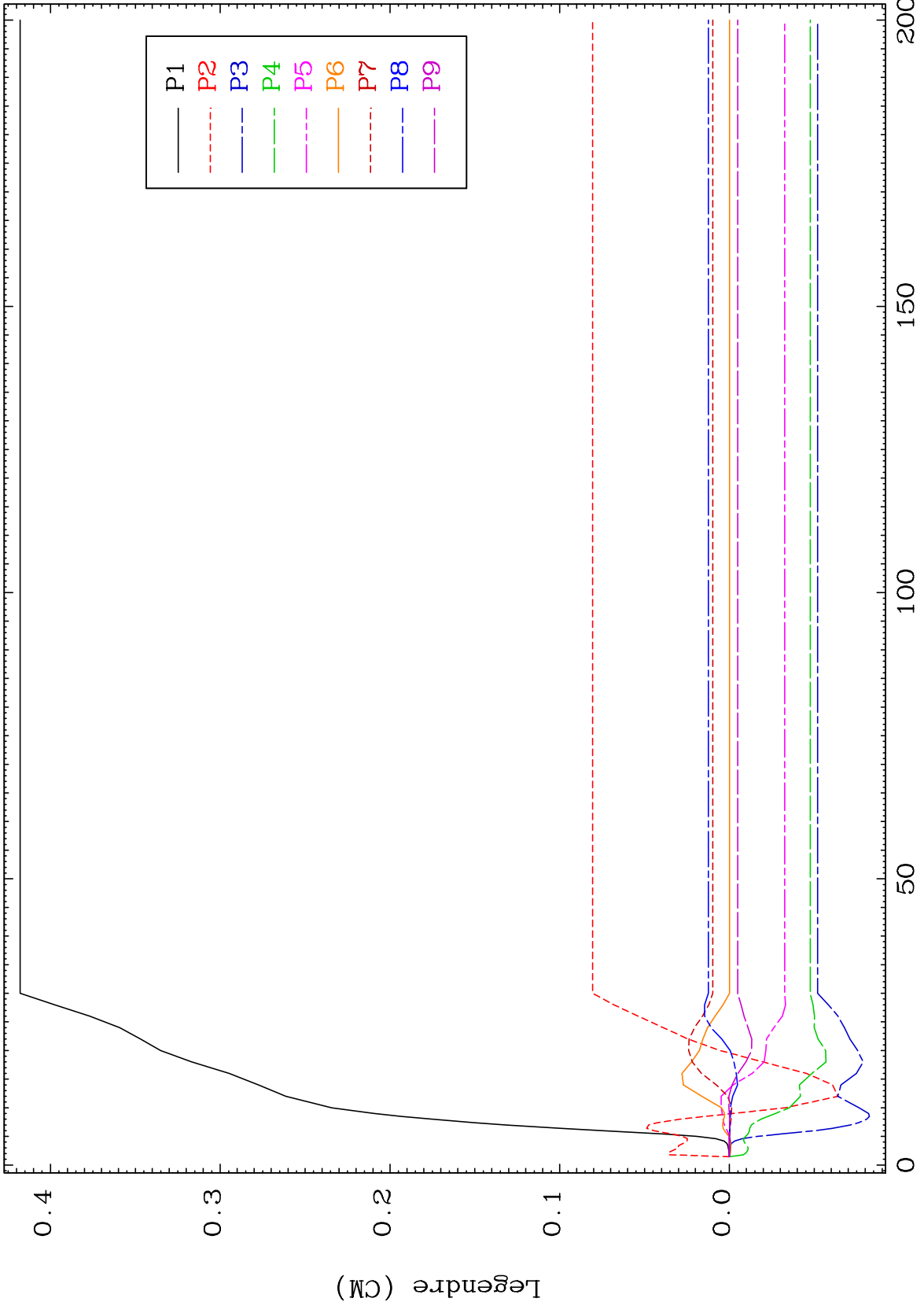
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



69

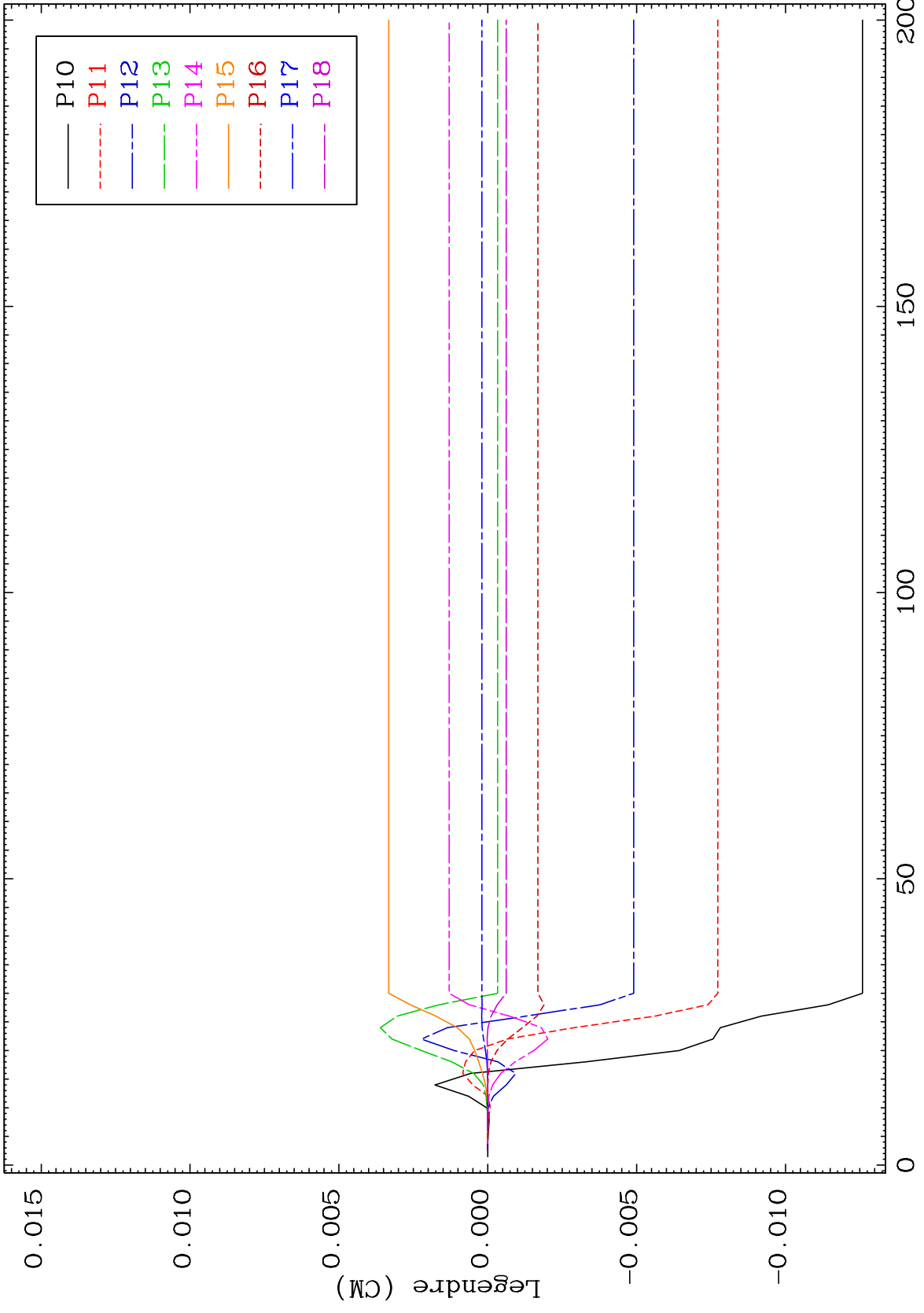
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



70

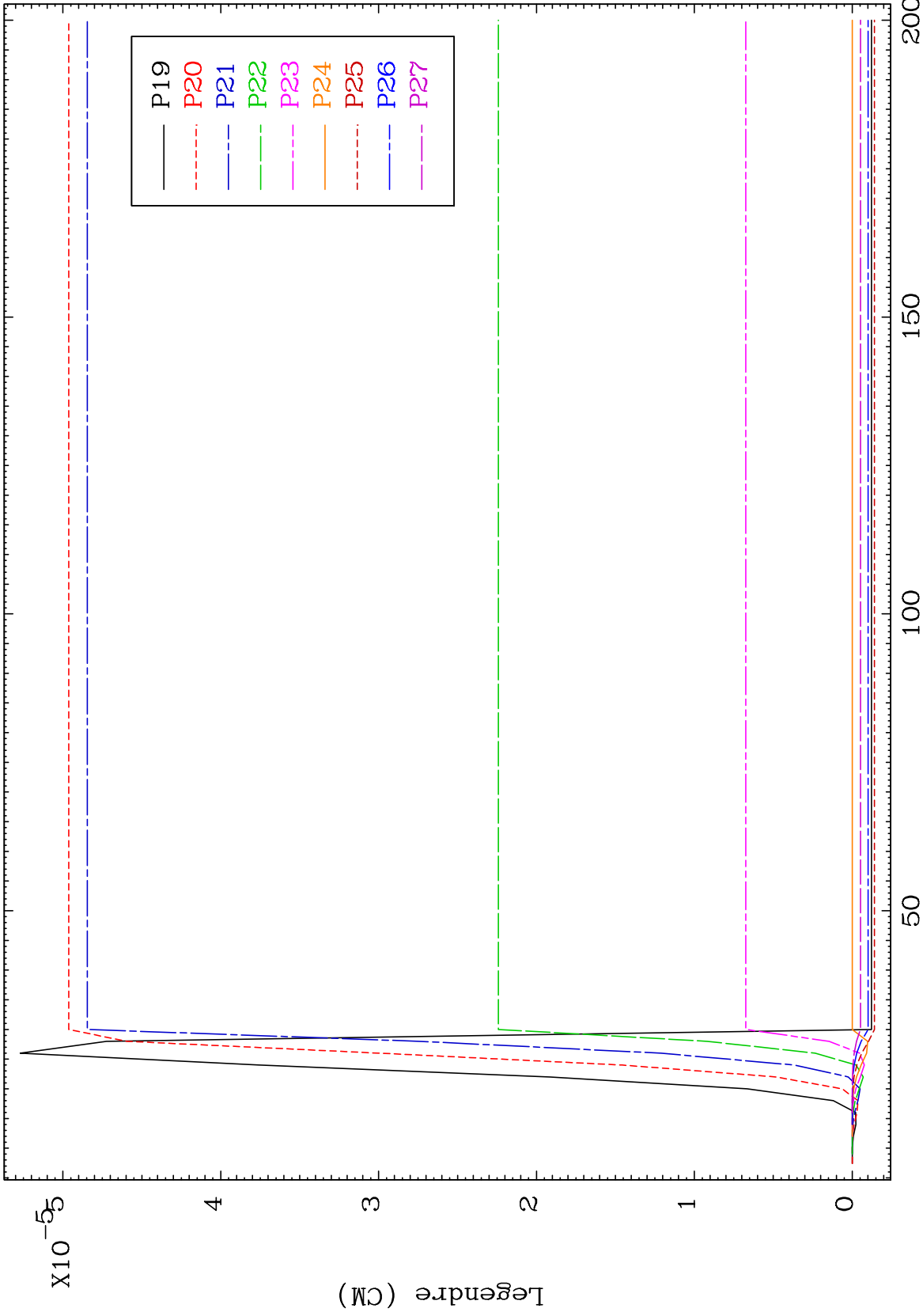
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154

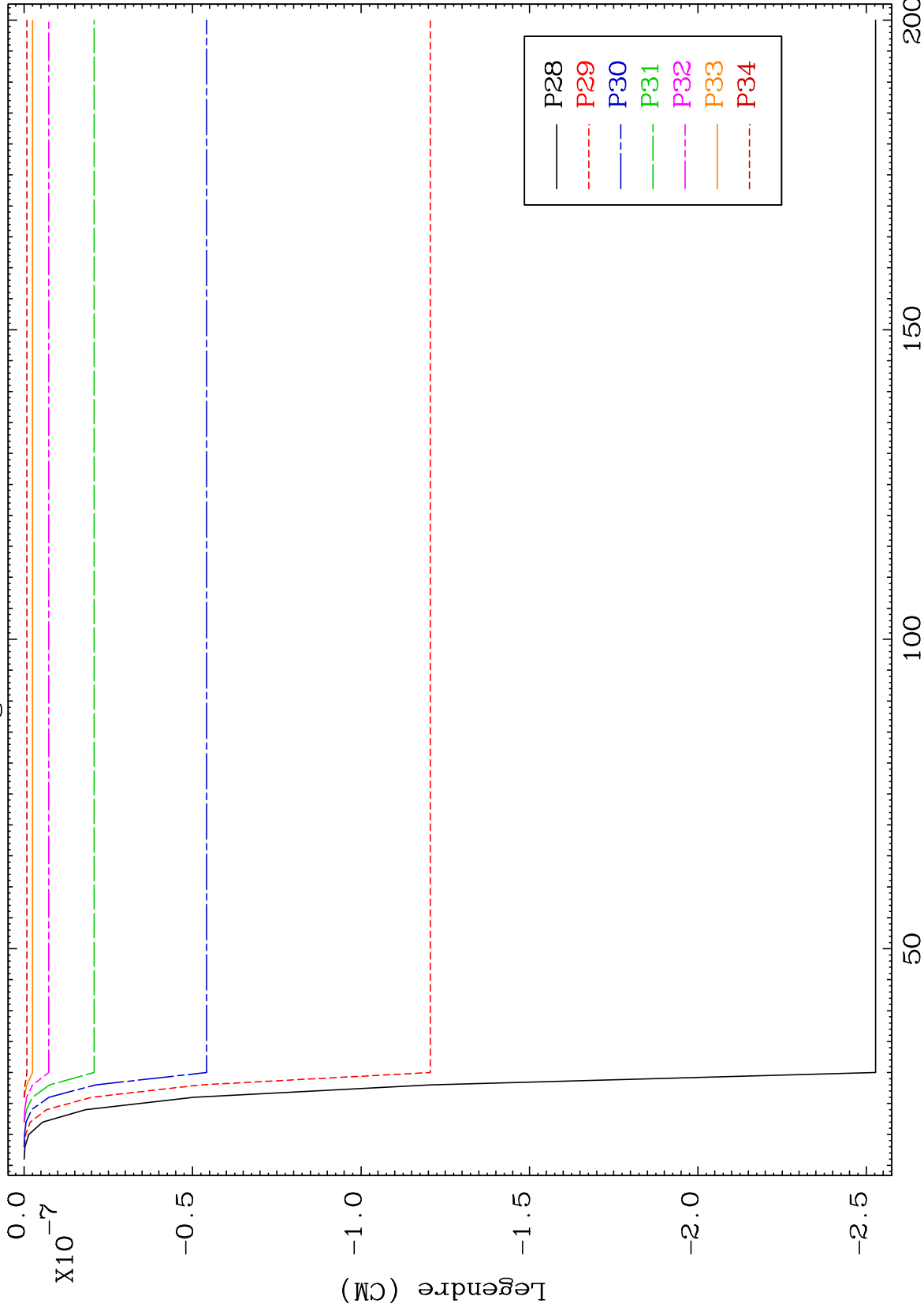


62-Sm-154

71

MAT 6255 MT= 64 (n,n') Level 62-Sm-154

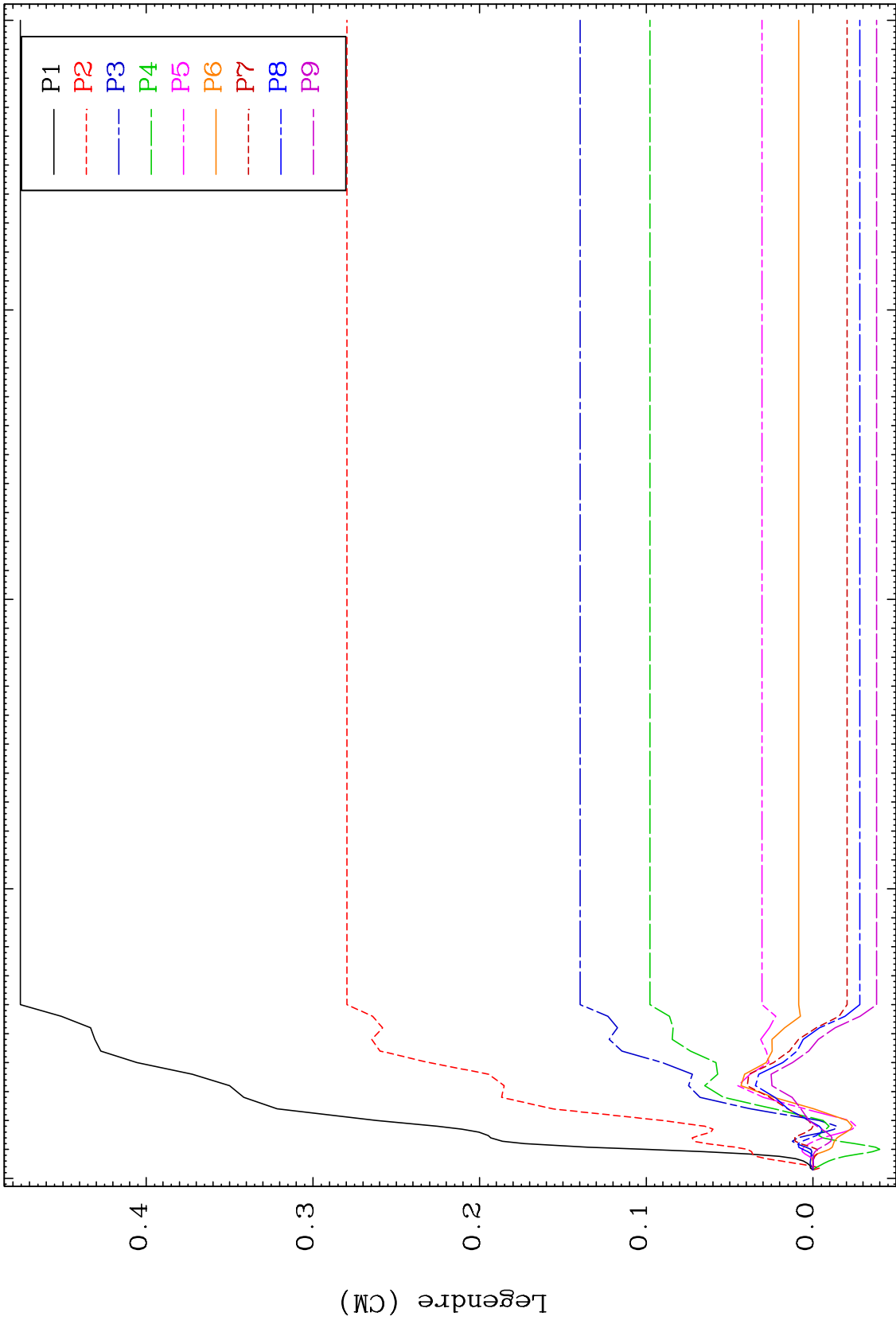
Legendre Coefficients



72

62-Sm-154

MAT 6255 MT= 65 (n,n') Level Legendre Coefficients 62-Sm-154

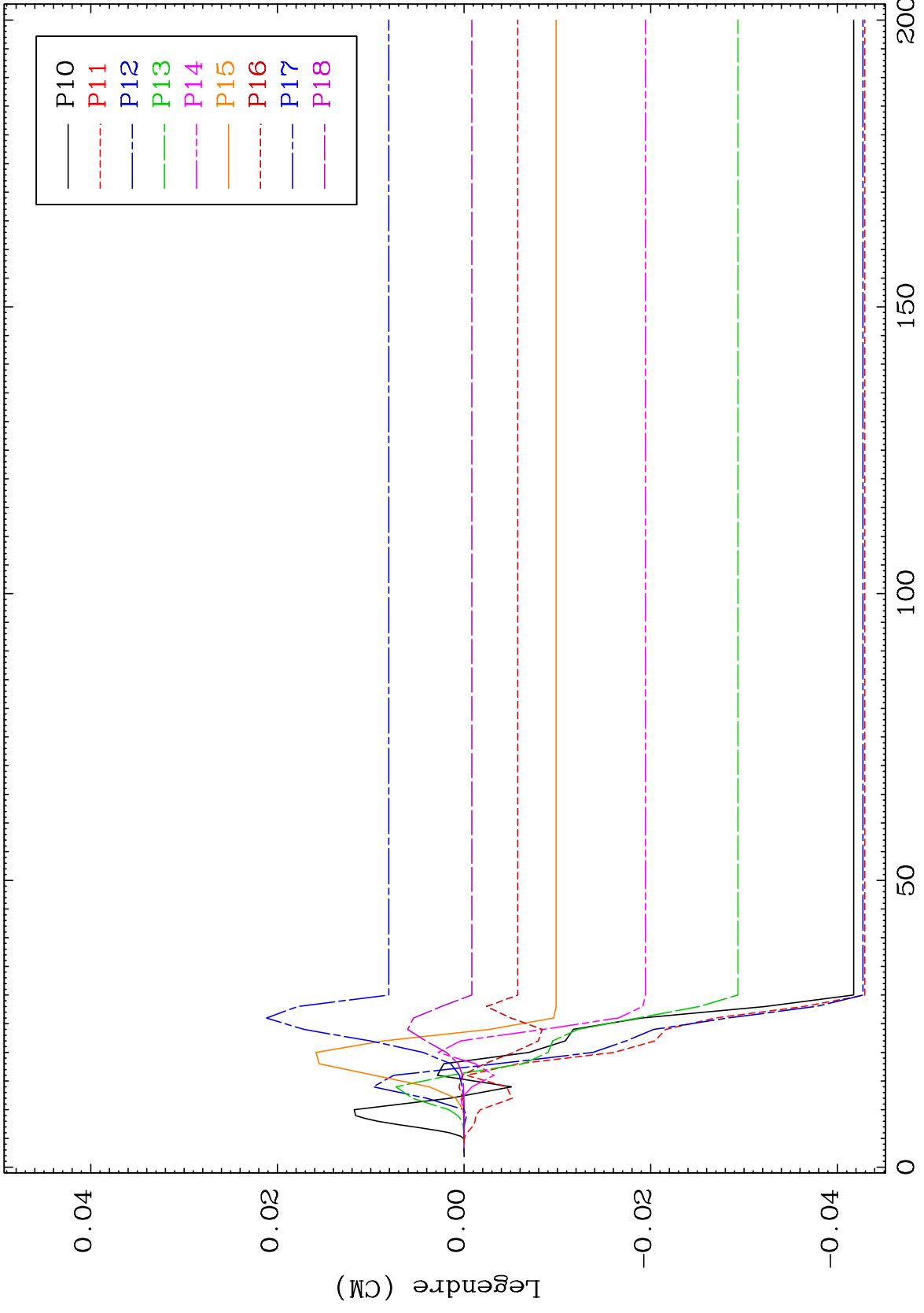


73 62-Sm-154

MAT 6255

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

62-Sm-154



74

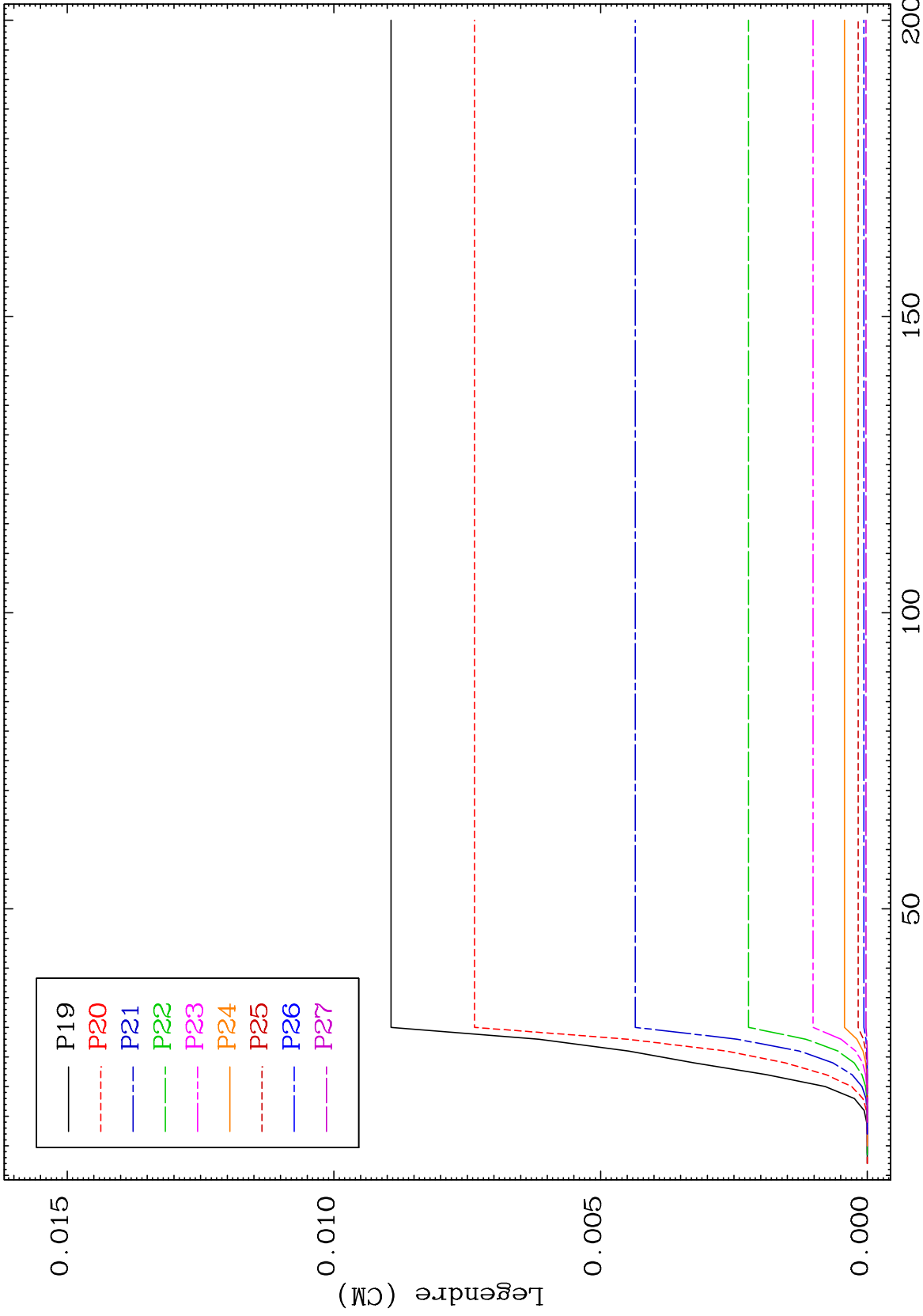
Incident Energy (MeV)

62-Sm-154

MAT 62555

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

62-Sm-154



75

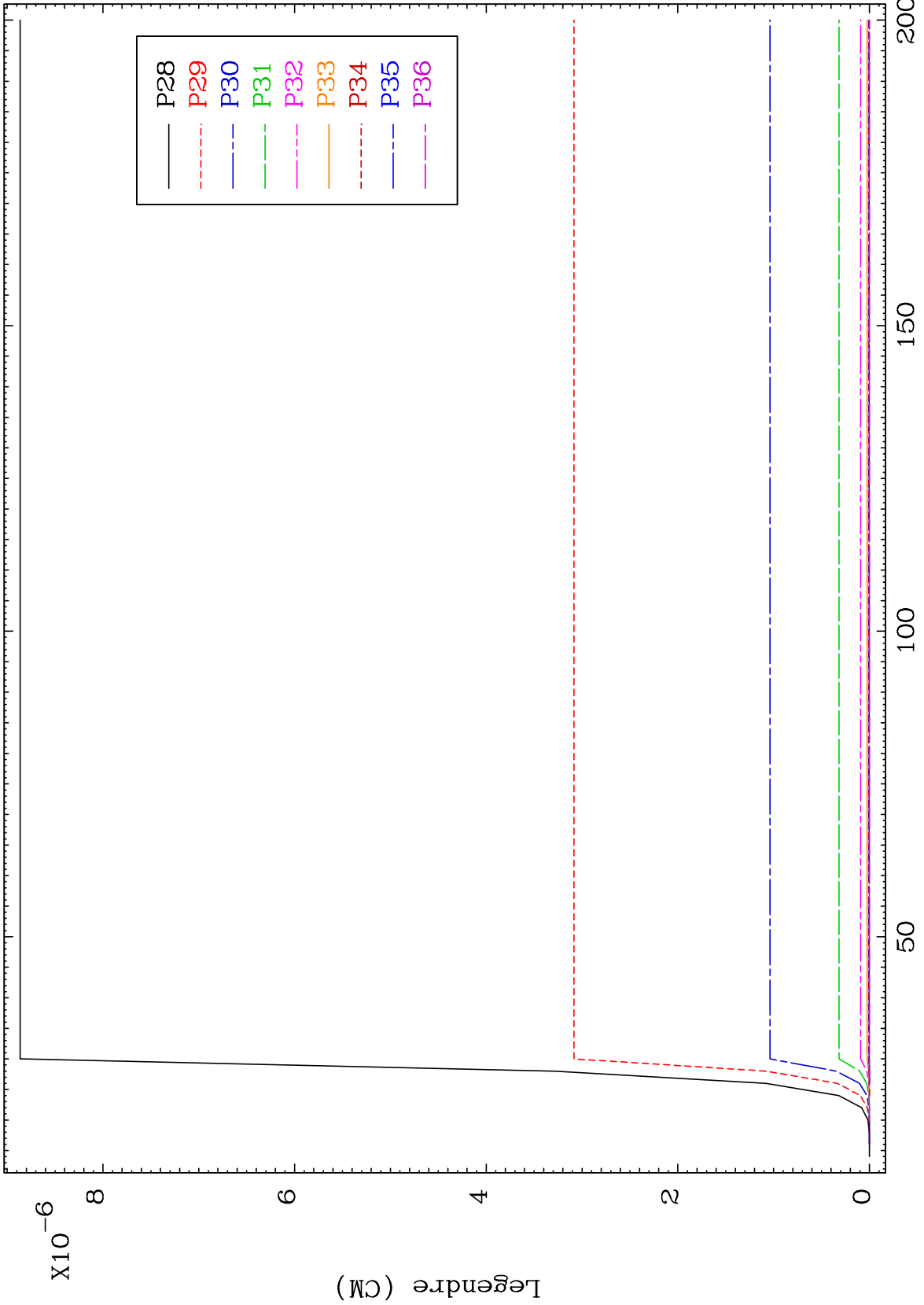
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154

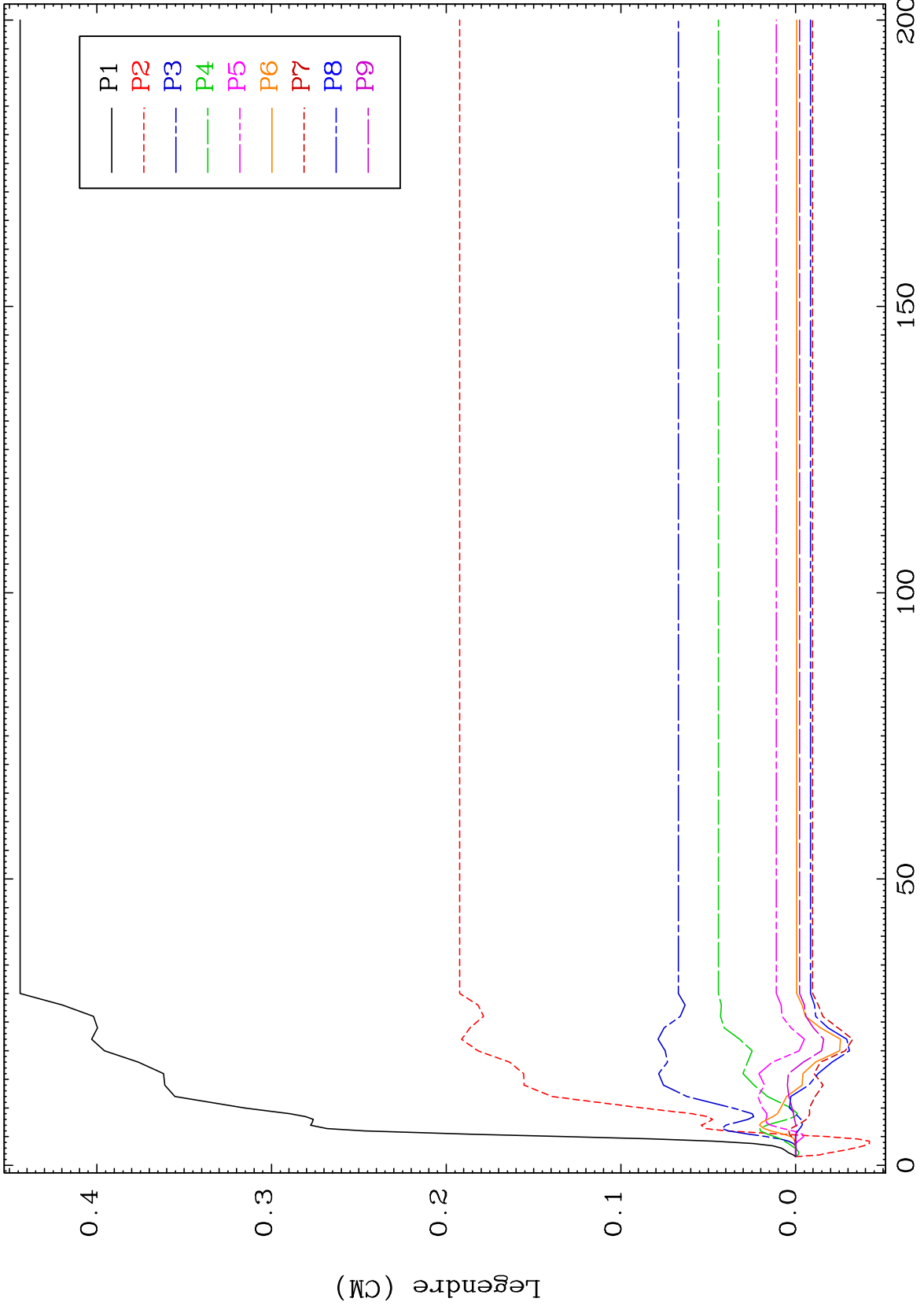


76

Incident Energy (MeV)

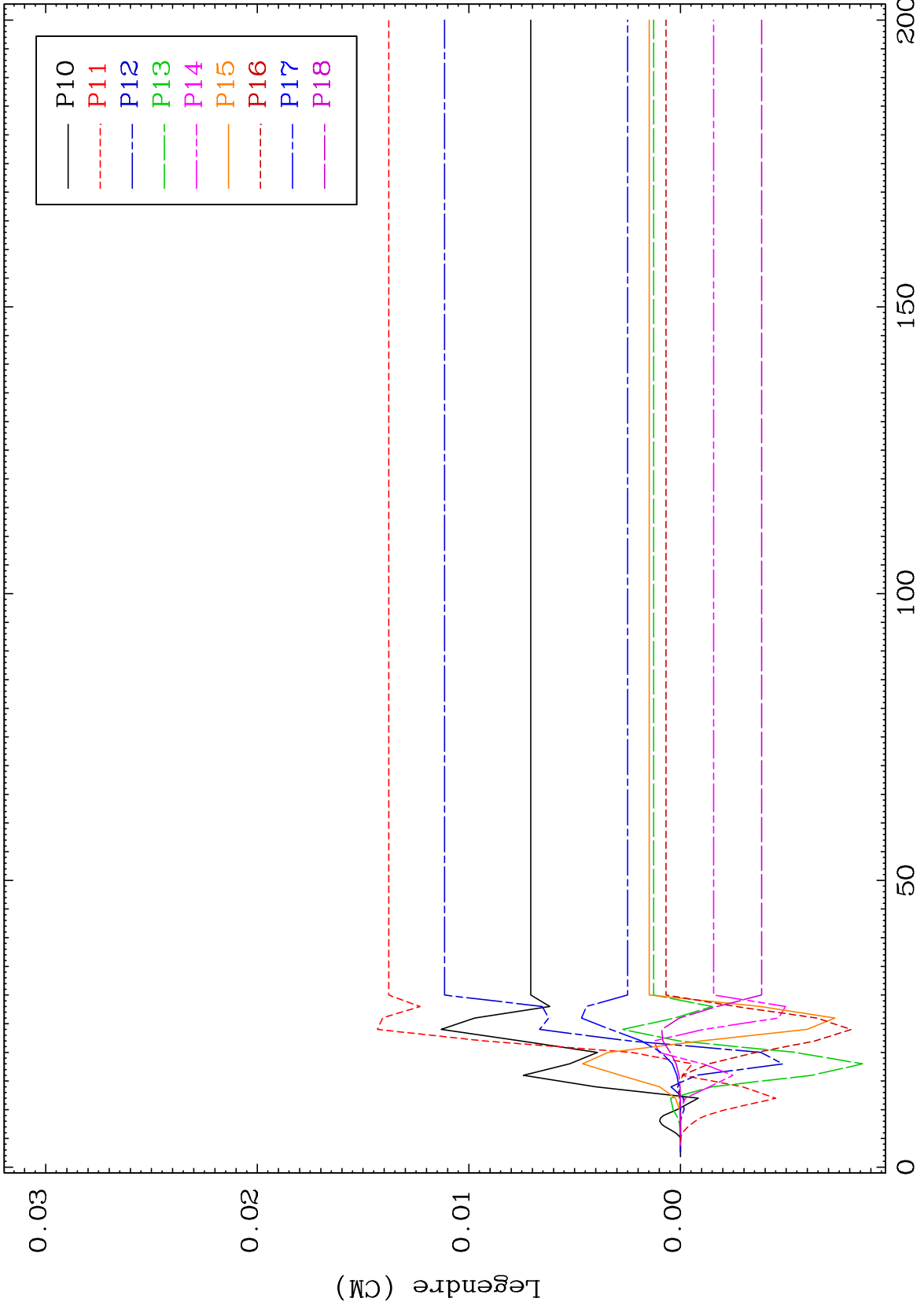
62-Sm-154

MAT 6255 MT= 66 (n,n') Level Legendre Coefficients 62-Sm-154



77 62-Sm-154

MAT 6255 MT= 66 (n,n') Level Legendre Coefficients 62-Sm-154

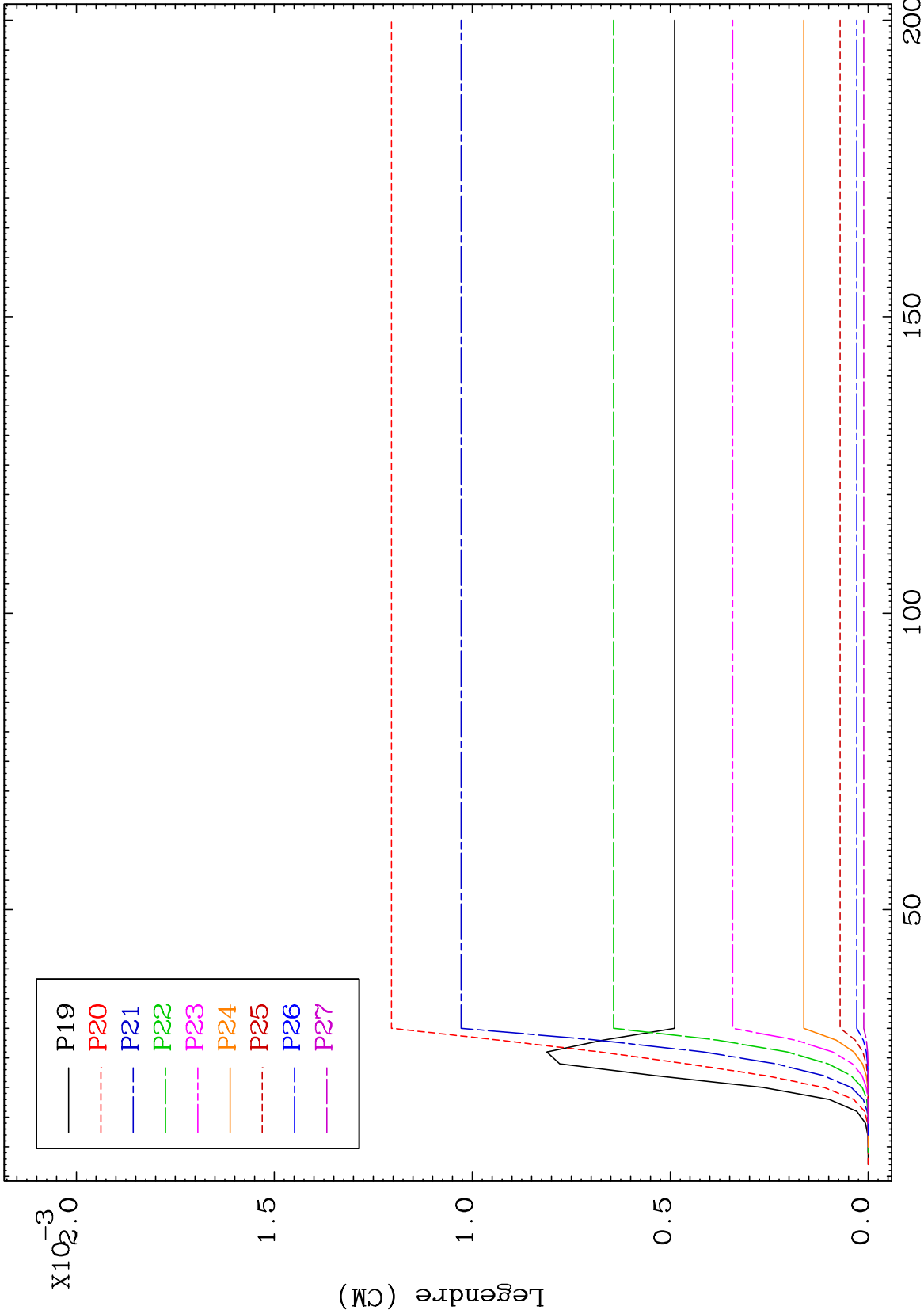


78 62-Sm-154

MAT 6255

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

62-Sm-154



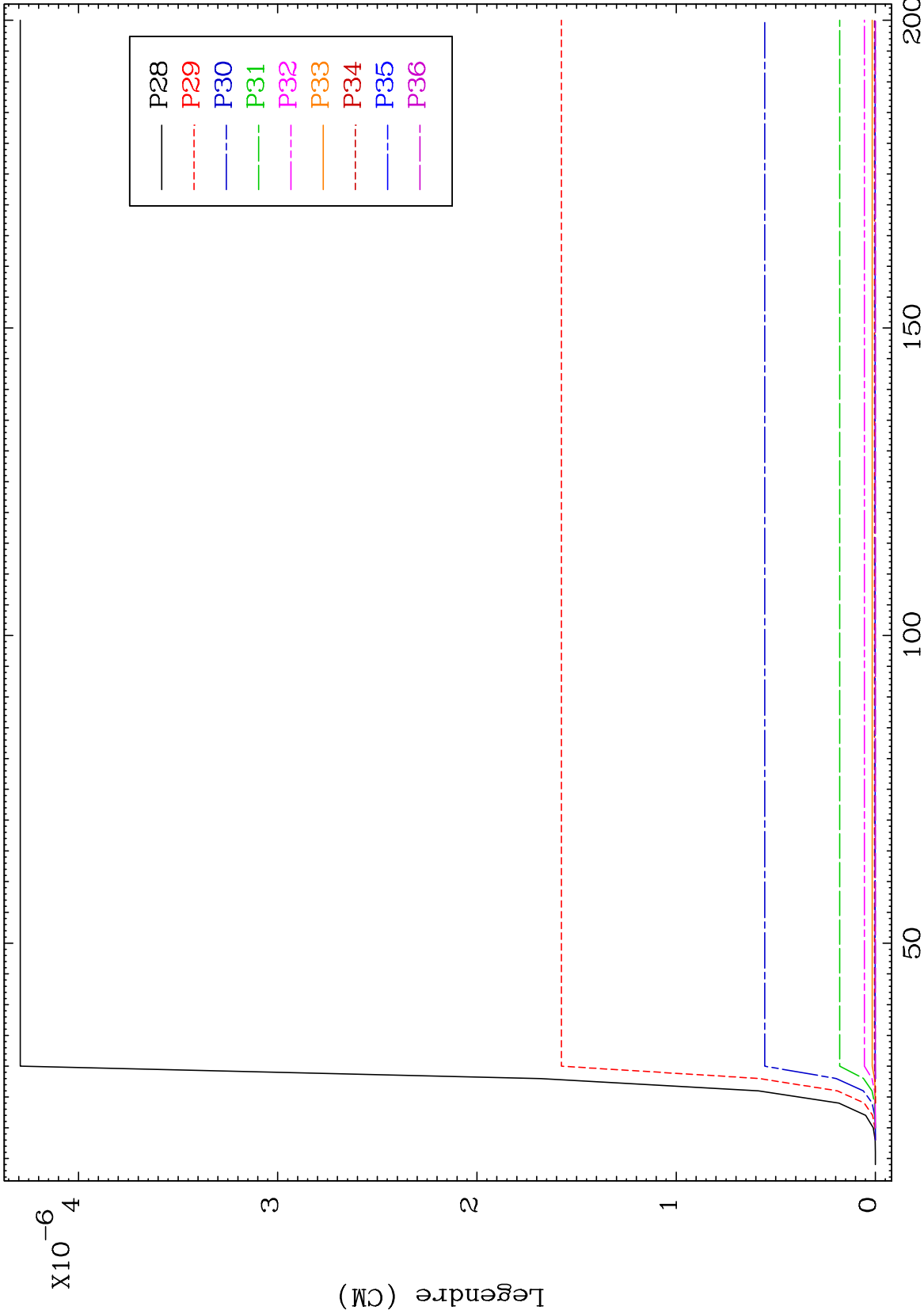
79

62-Sm-154

MAT 6255

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

62-Sm-154



80

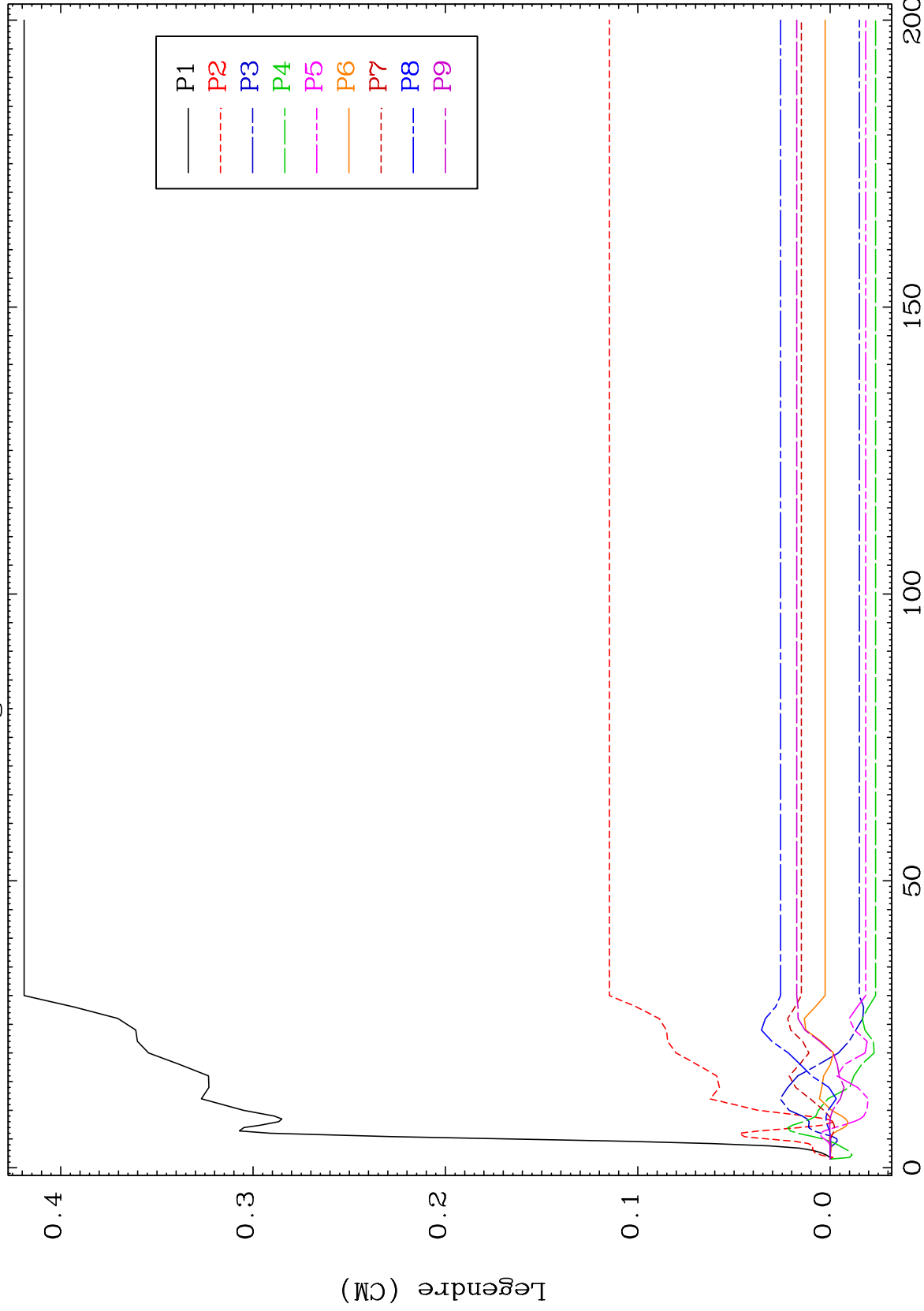
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



81

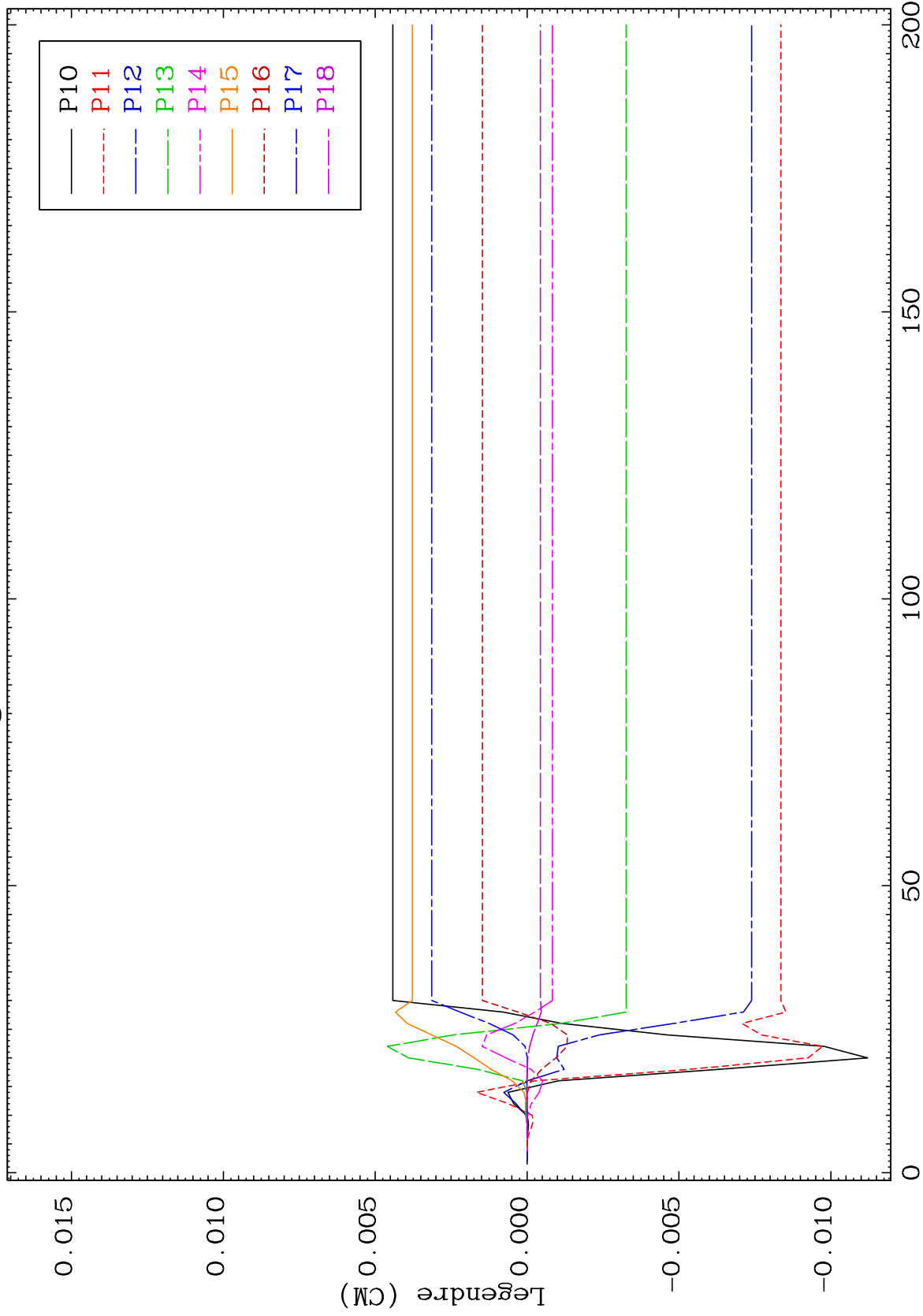
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



82

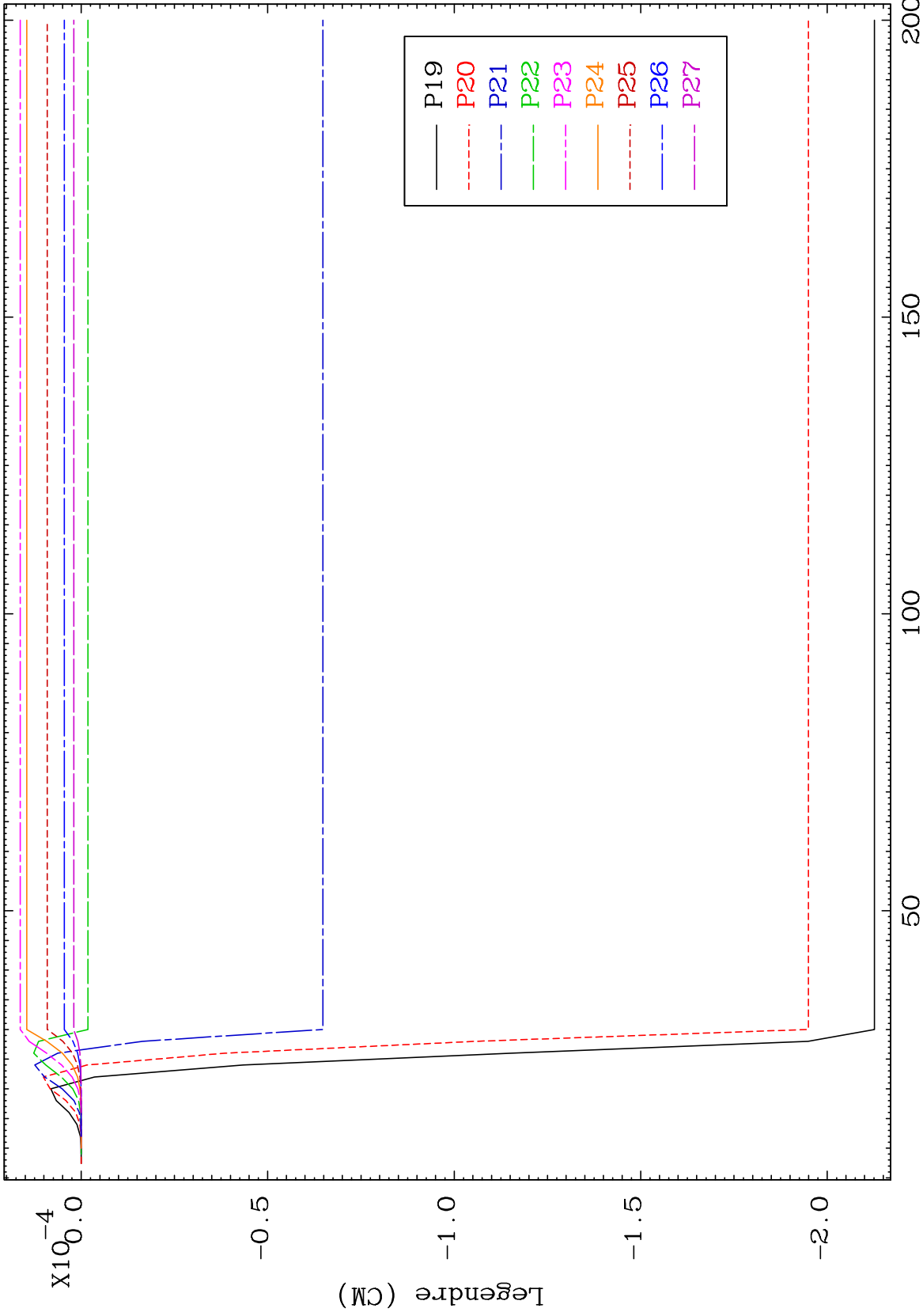
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



62-Sm-154

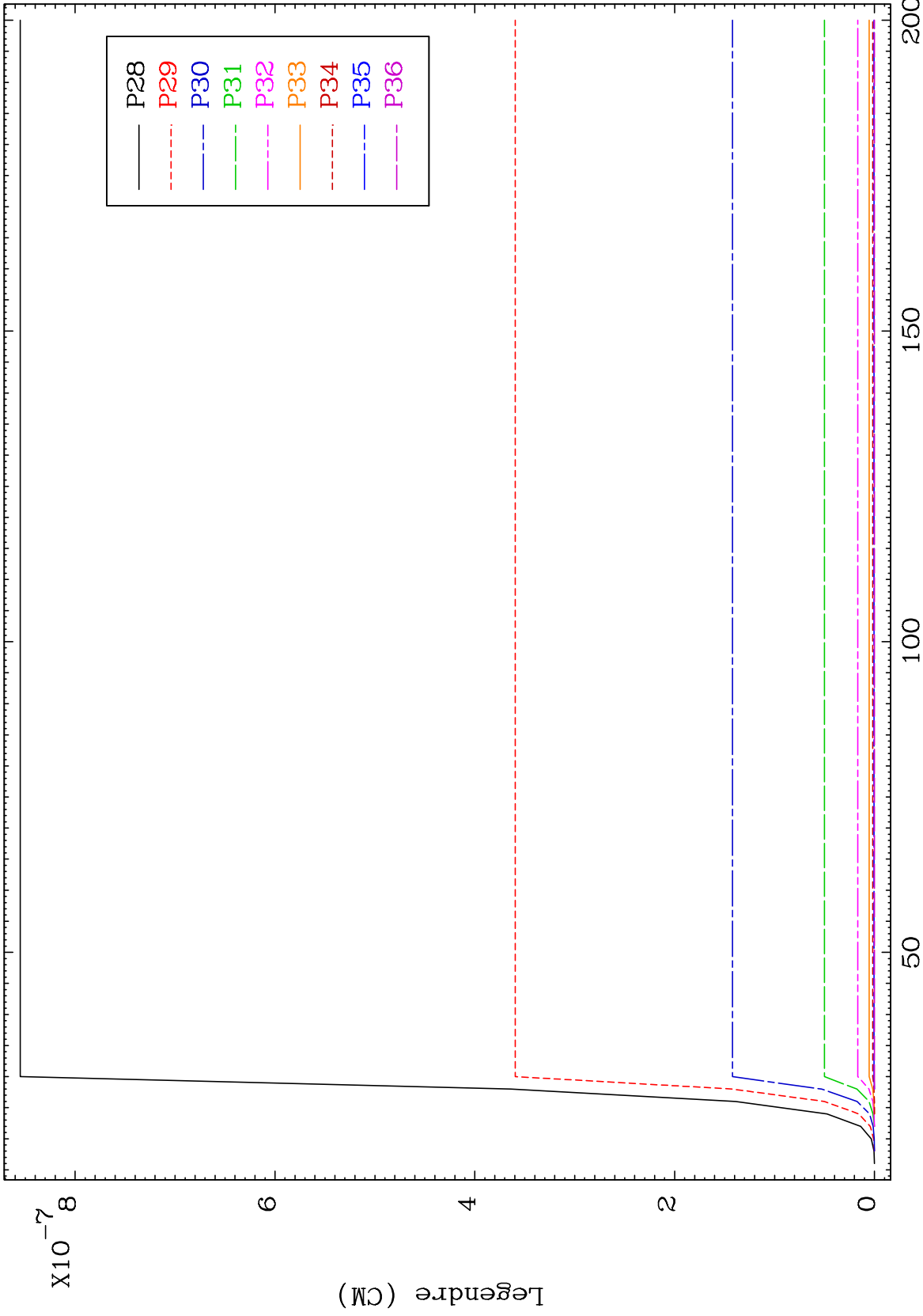
Incident Energy (MeV)

83

MAT 6255

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

62-Sm-154

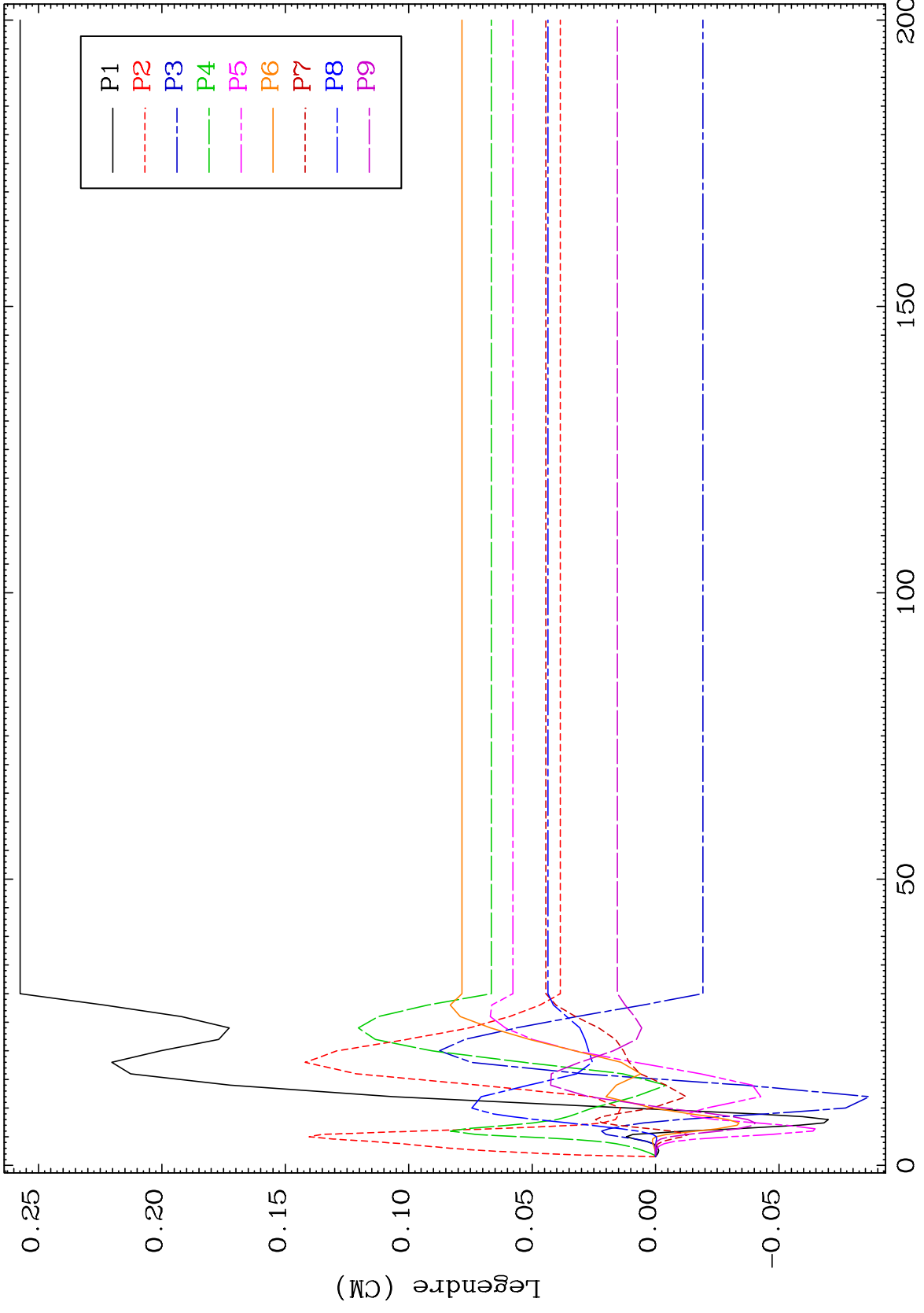


84

Incident Energy (MeV)

62-Sm-154

MAT 6255 MT= 68 (n,n') Level Legendre Coefficients 62-Sm-154

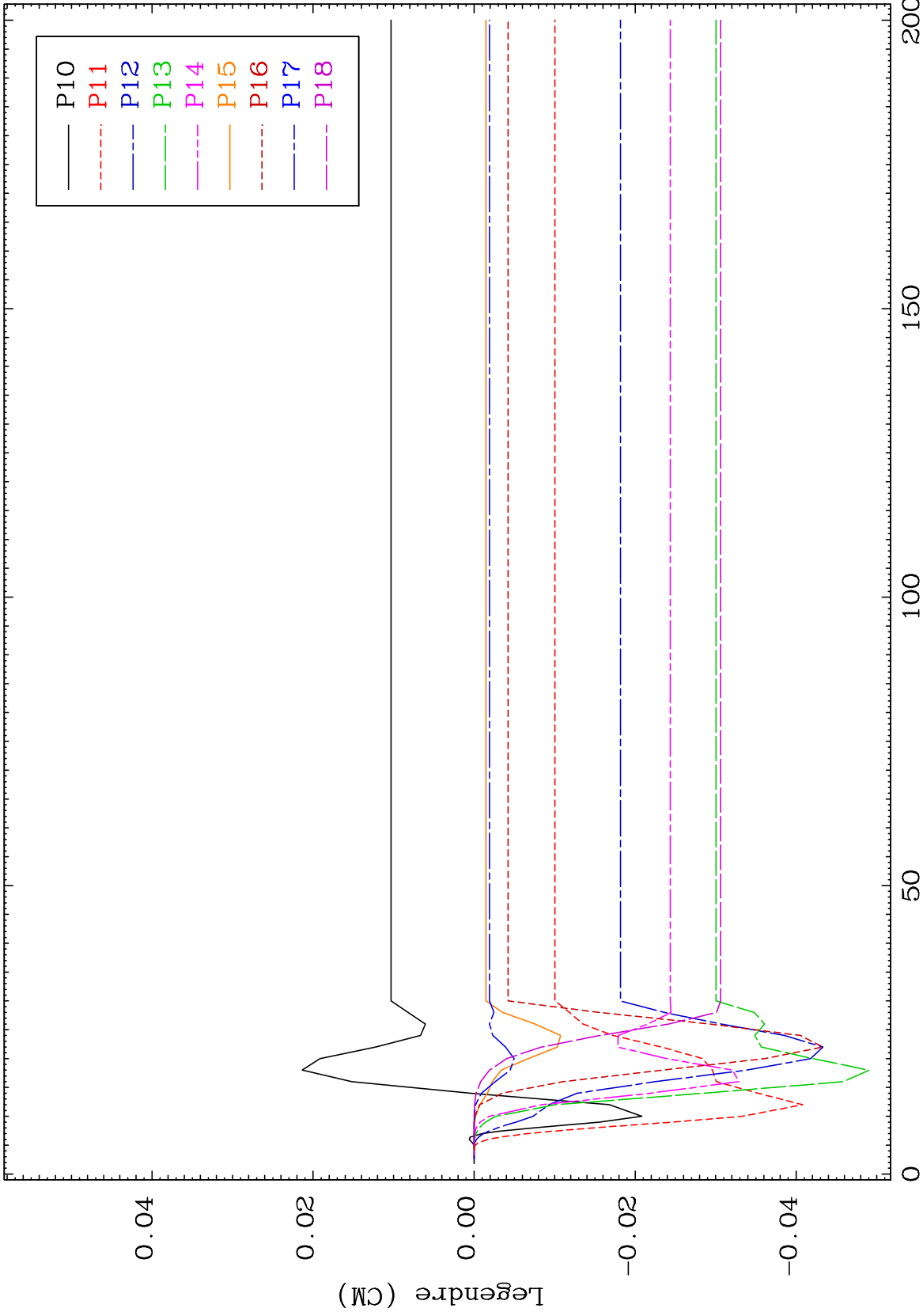


85 62-Sm-154

MAT 6255

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

62-Sm-154



86

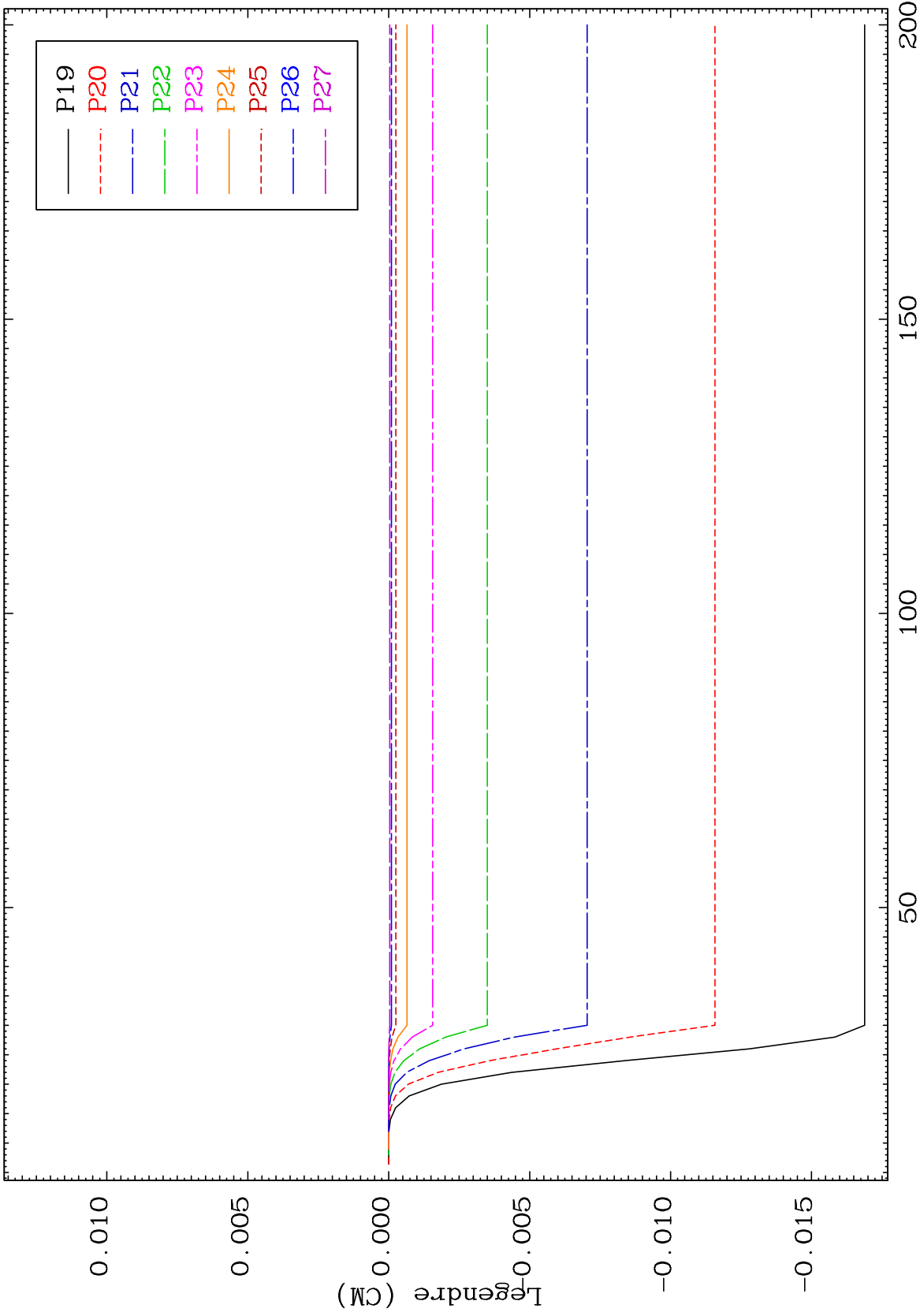
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



87

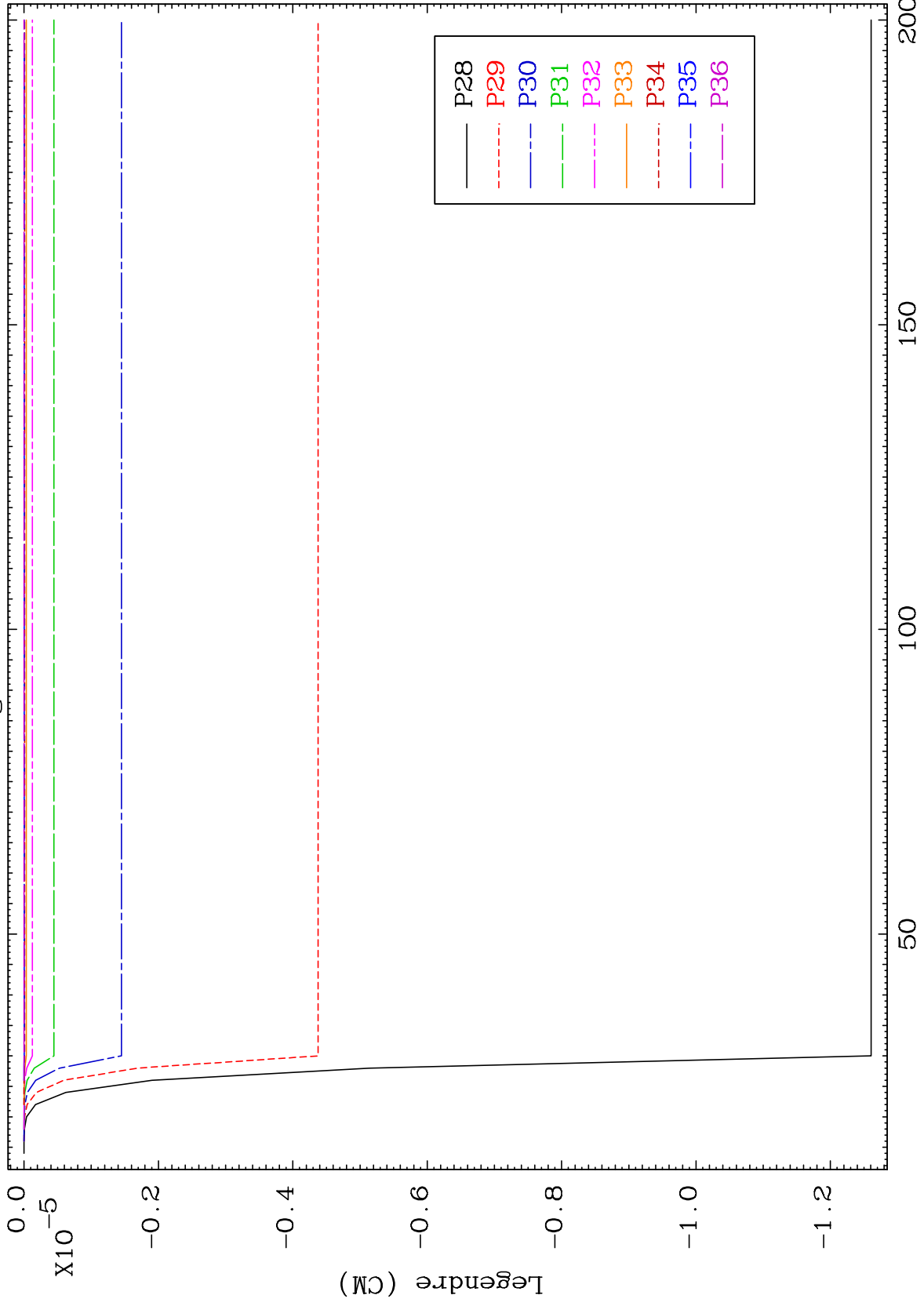
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



88

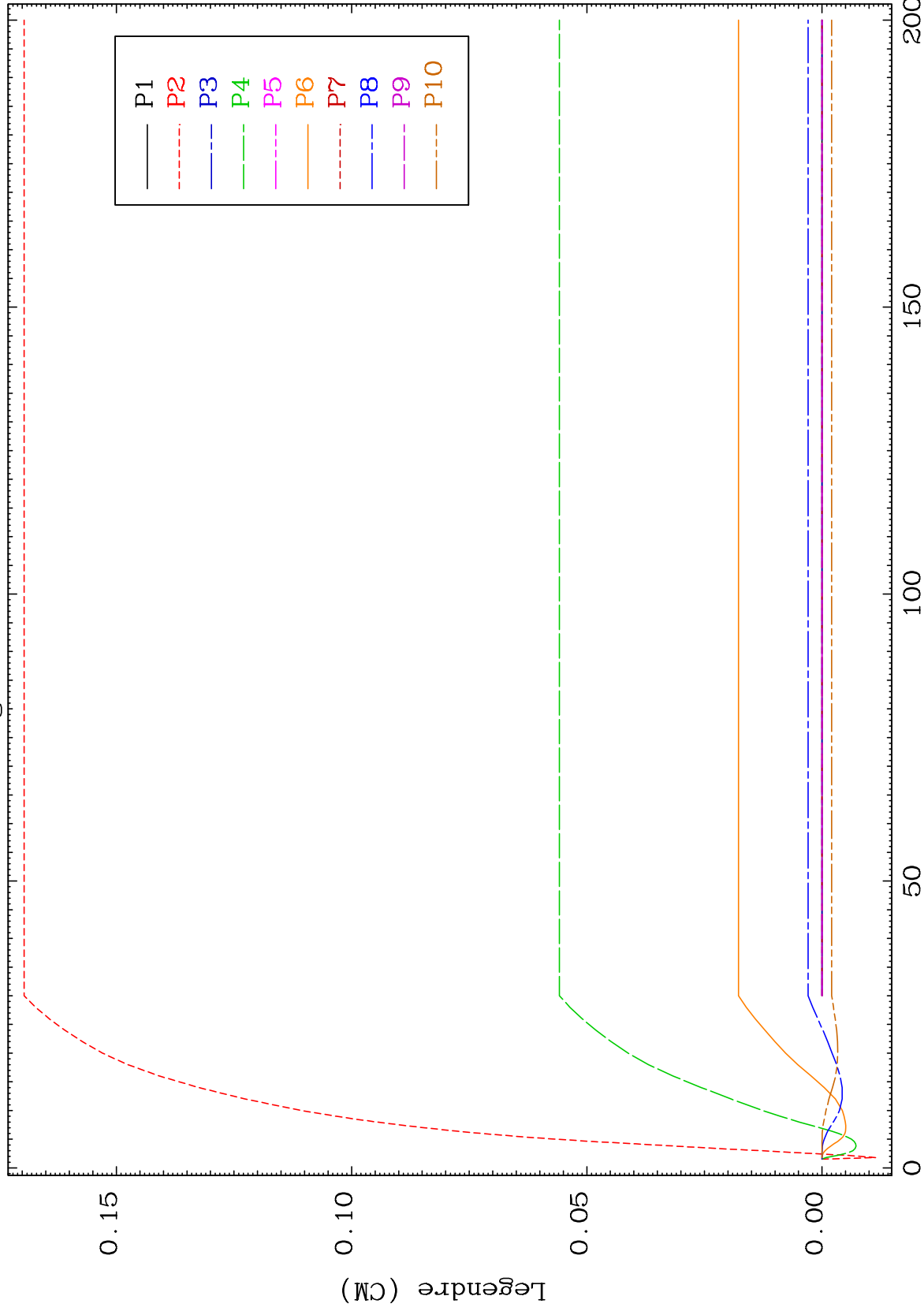
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



89

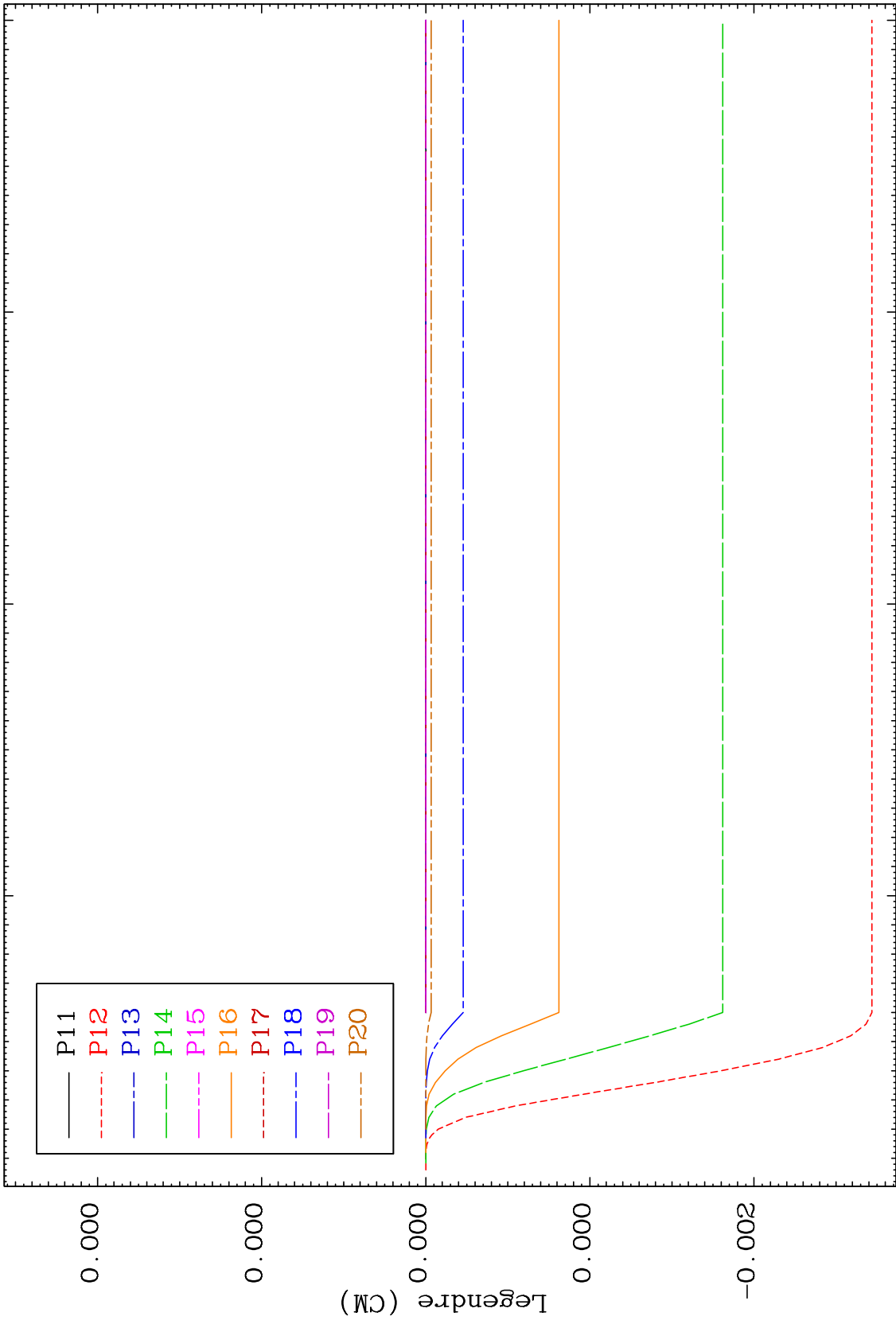
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



90

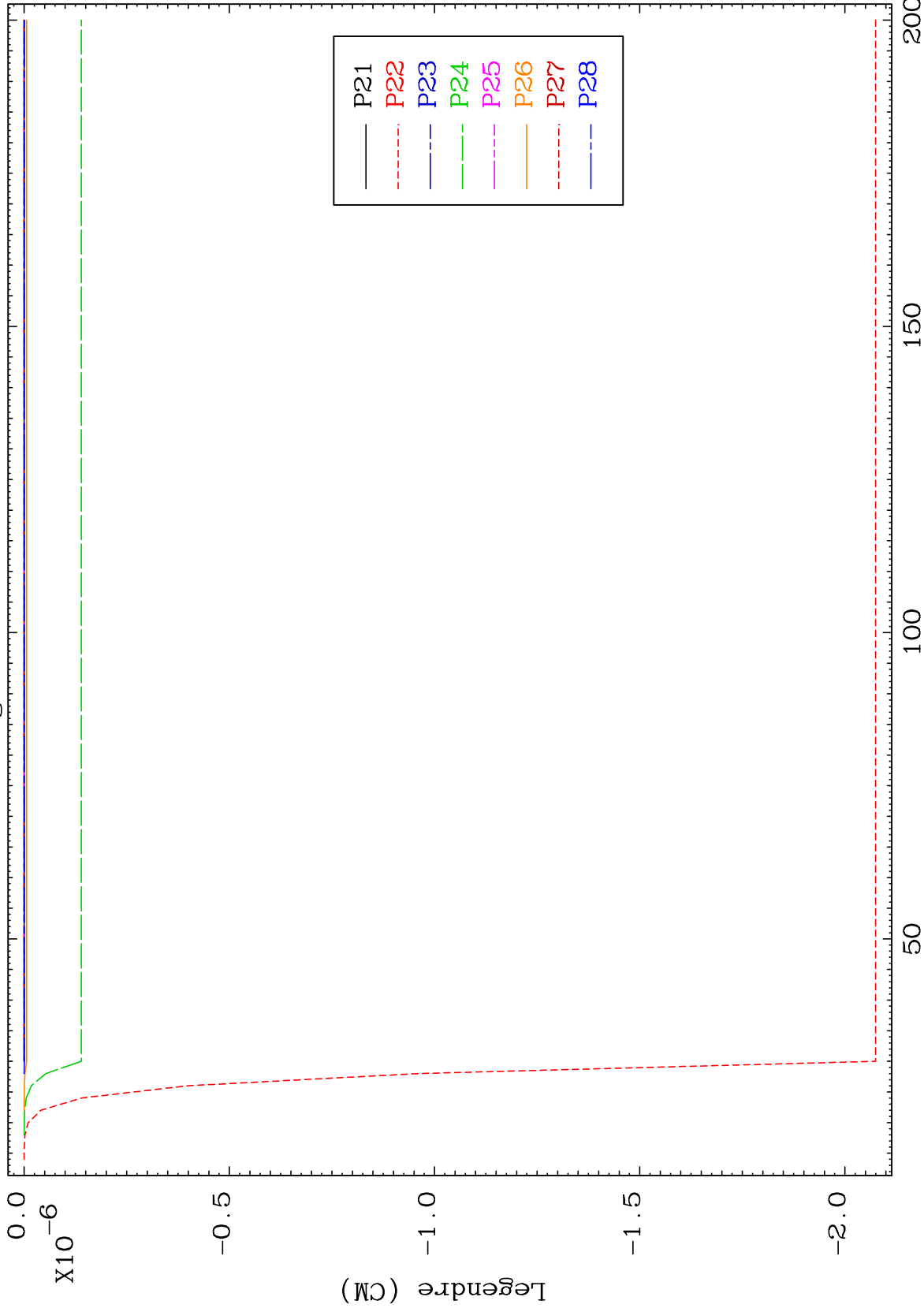
Incident Energy (MeV)

62-Sm-154

MAT 6255 MT= 69 (n,n') Level

62-Sm-154

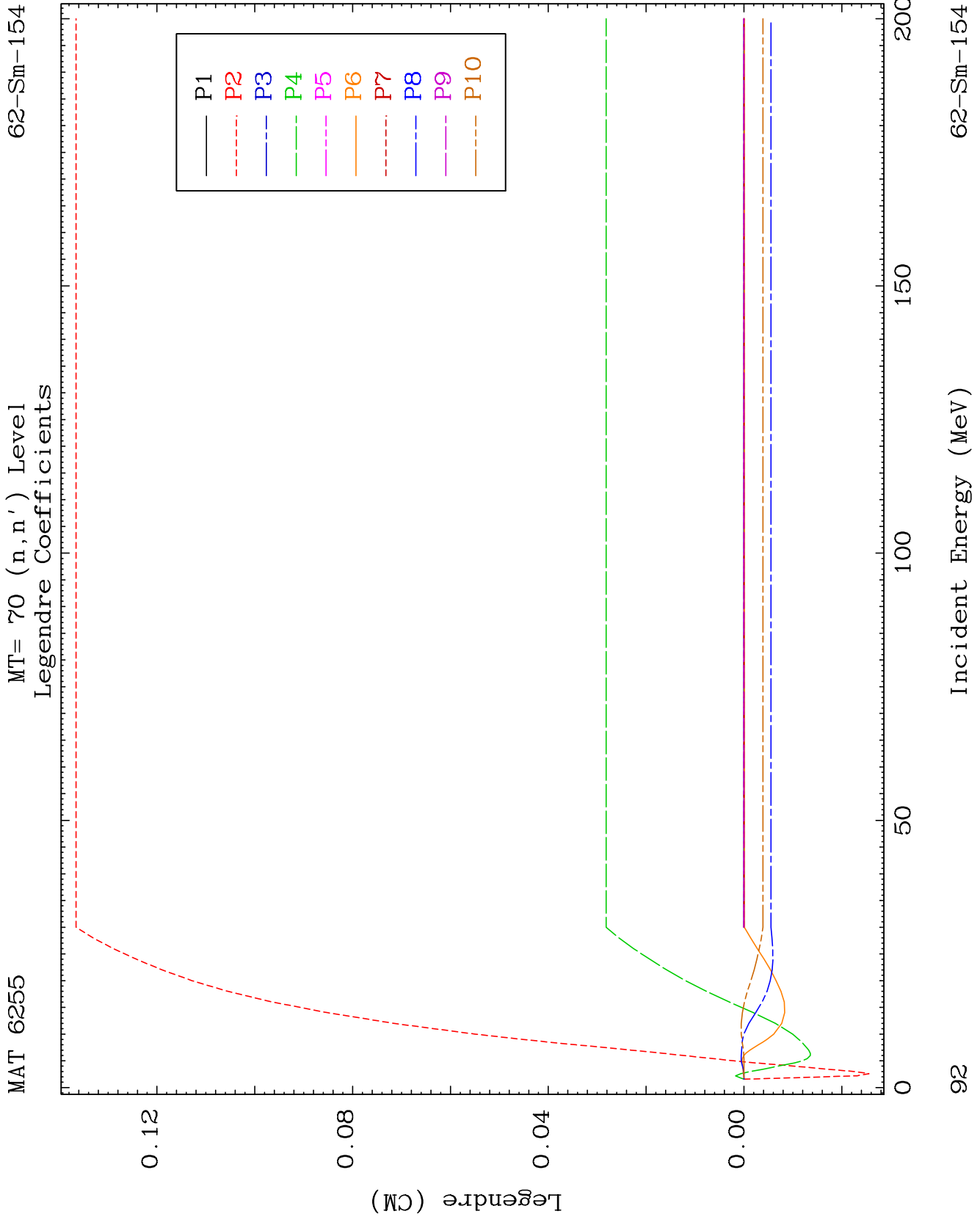
Legendre Coefficients



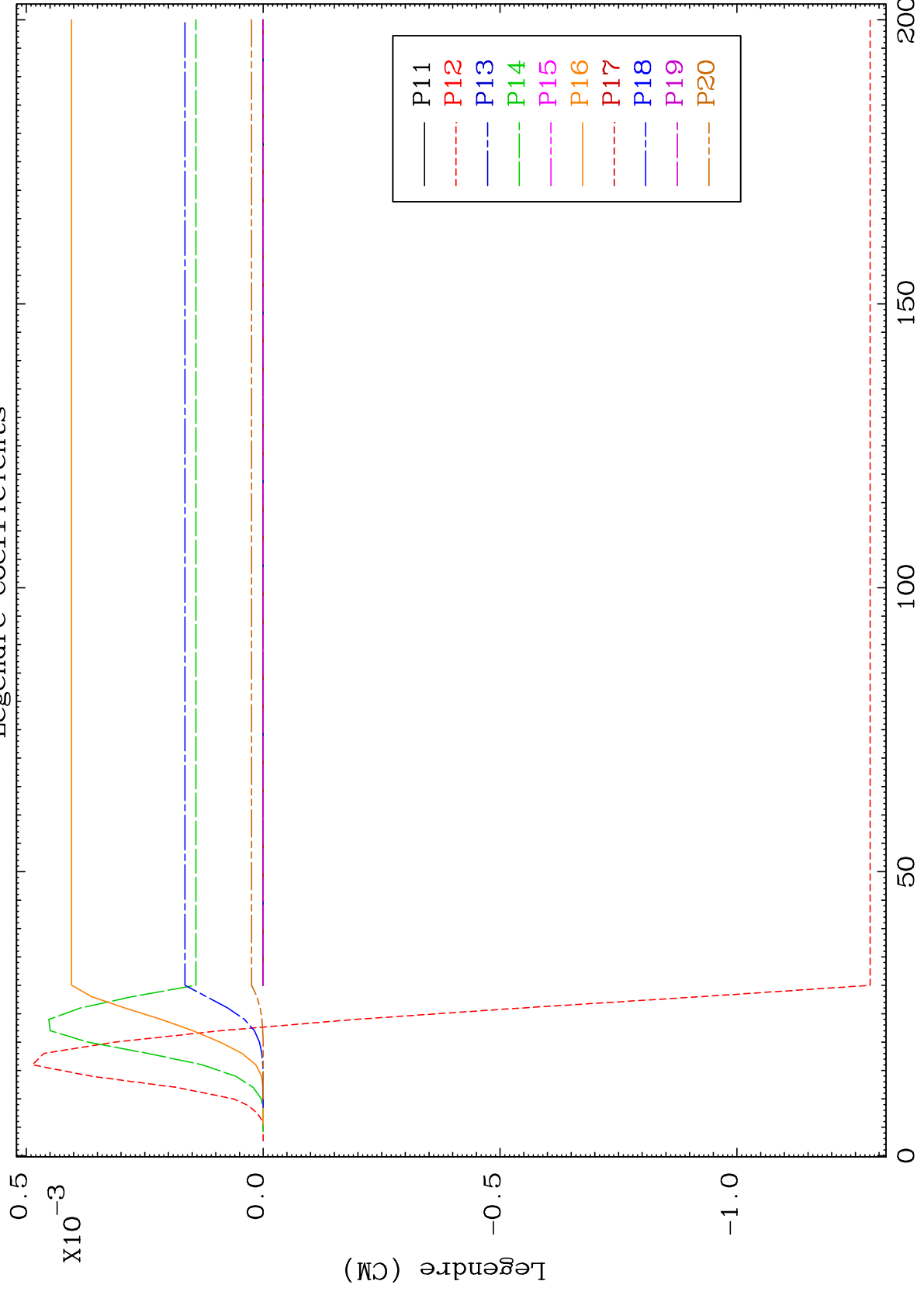
62-Sm-154

Incident Energy (MeV)

91



MAT 6255 MT= 70 (n,n') Level Legendre Coefficients 62-Sm-154

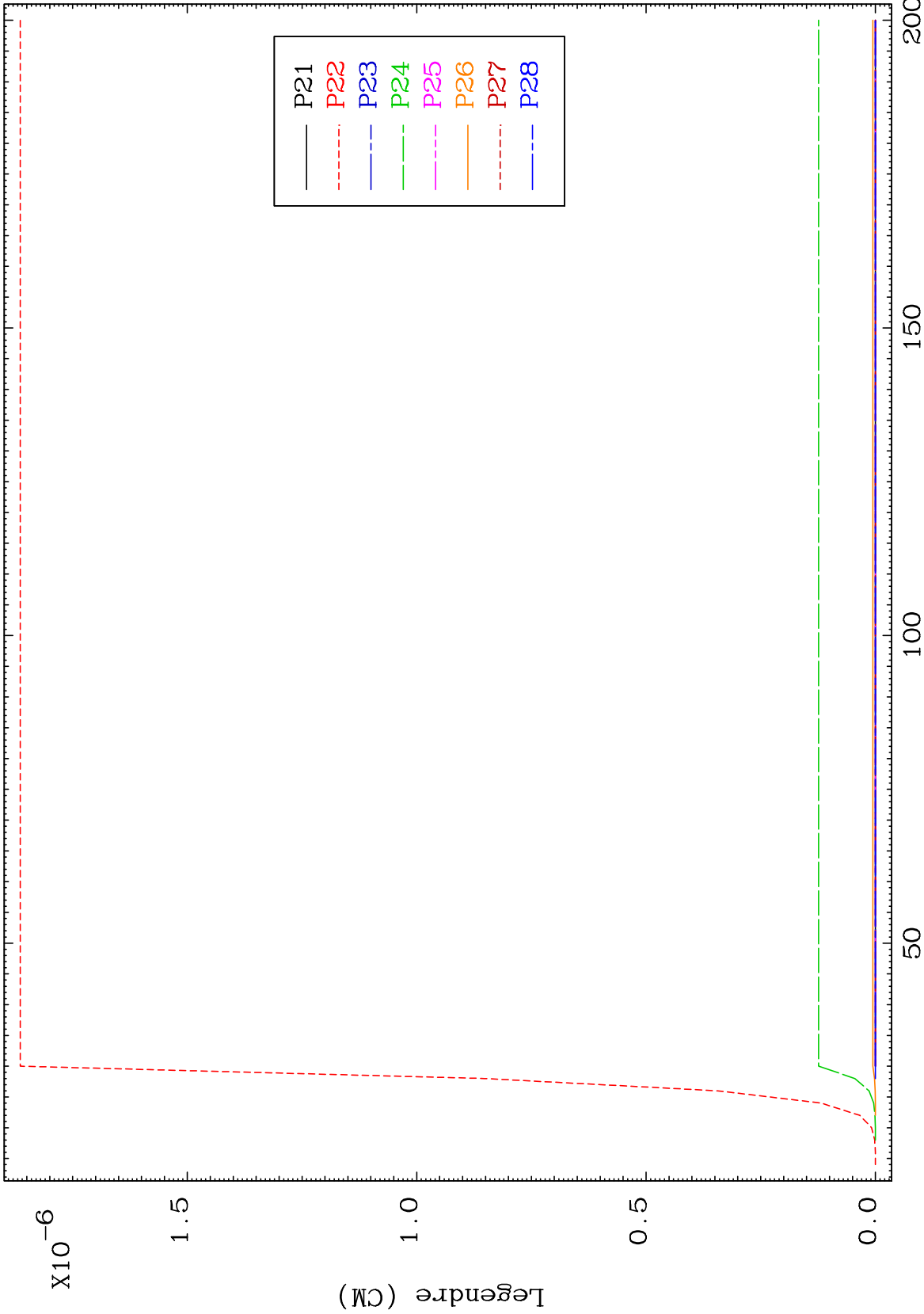


93 62-Sm-154

MAT 6255

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

62-Sm-154



94

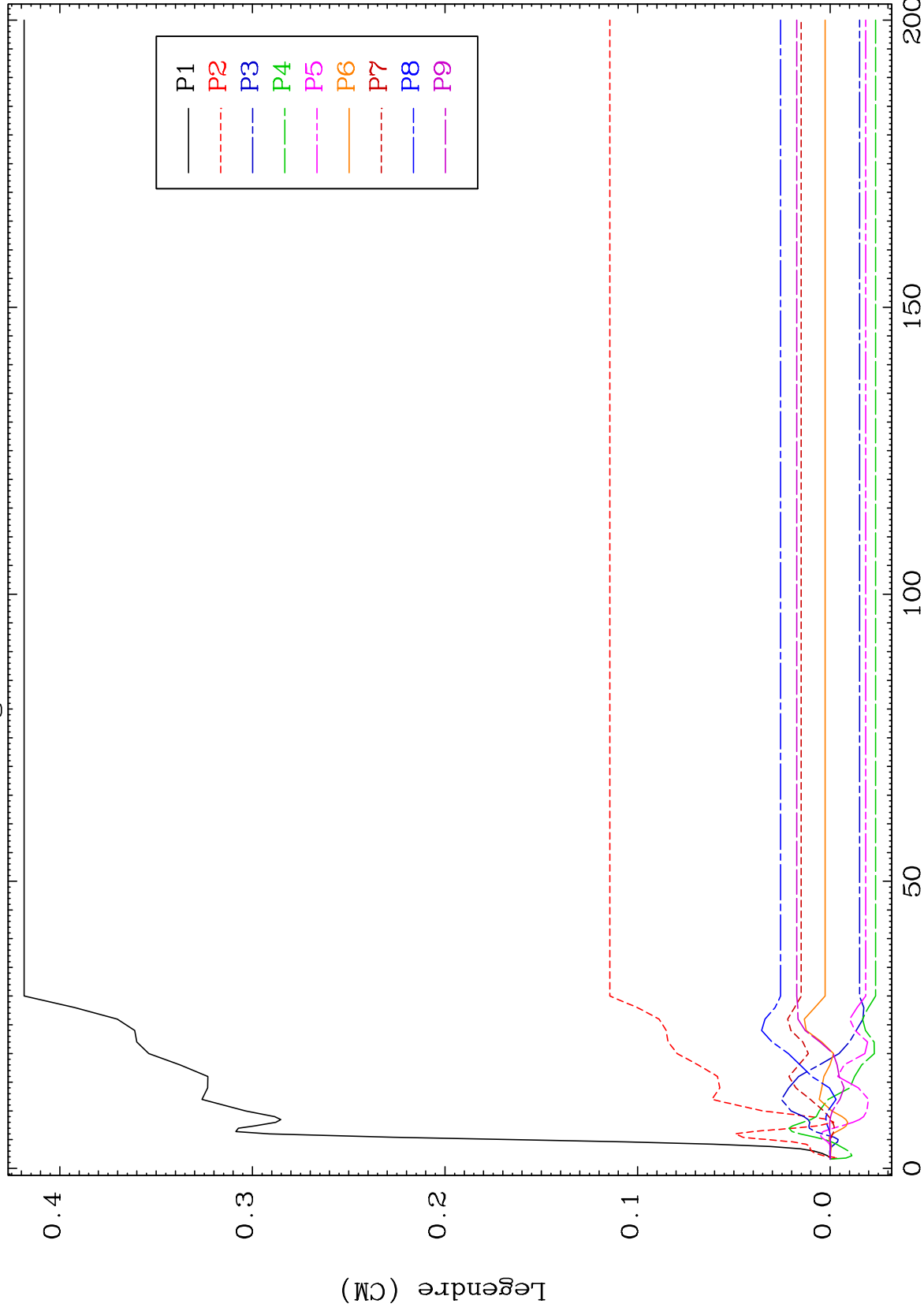
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



95

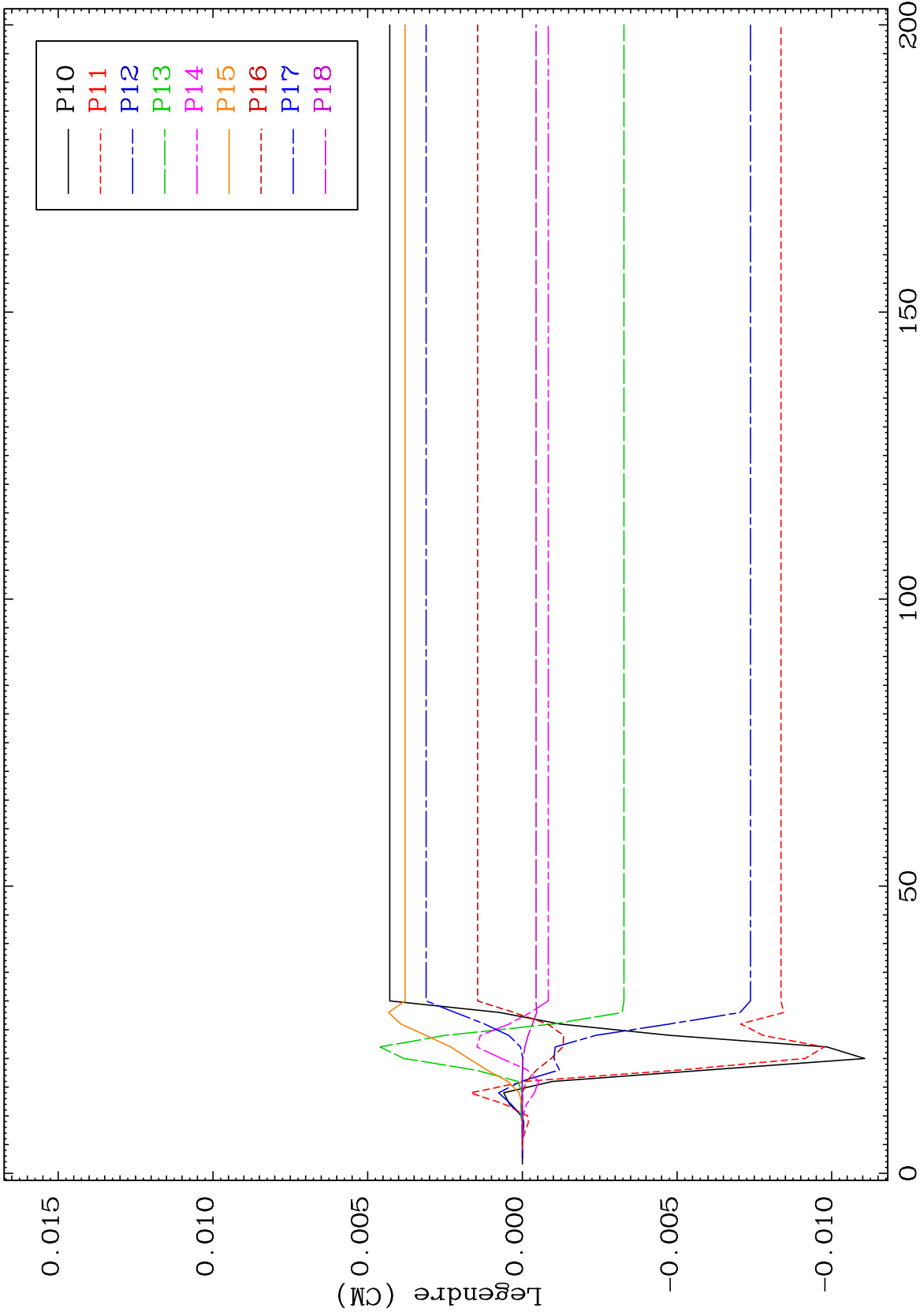
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



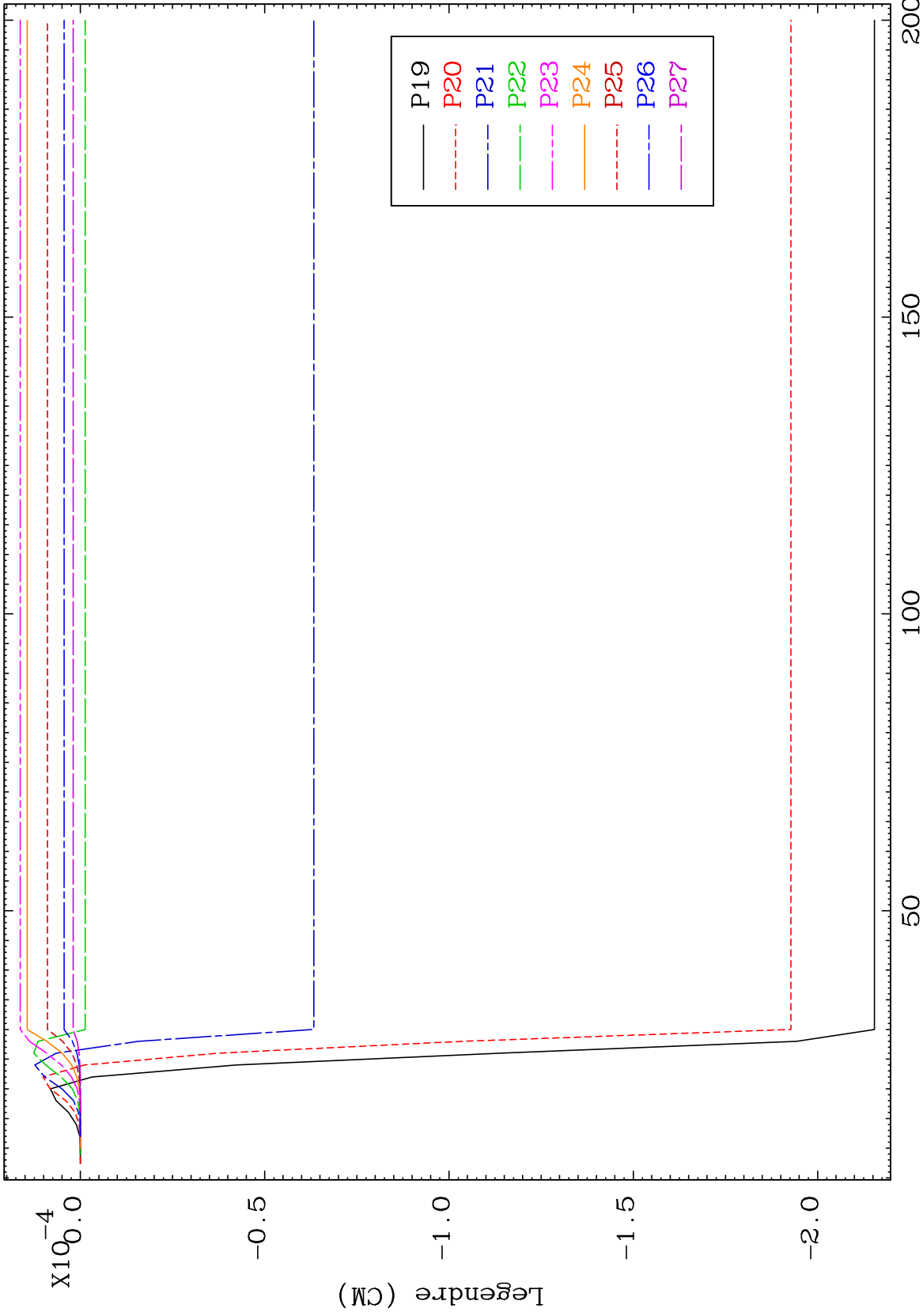
96

62-Sm-154

MAT 6255

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

62-Sm-154



62-Sm-154

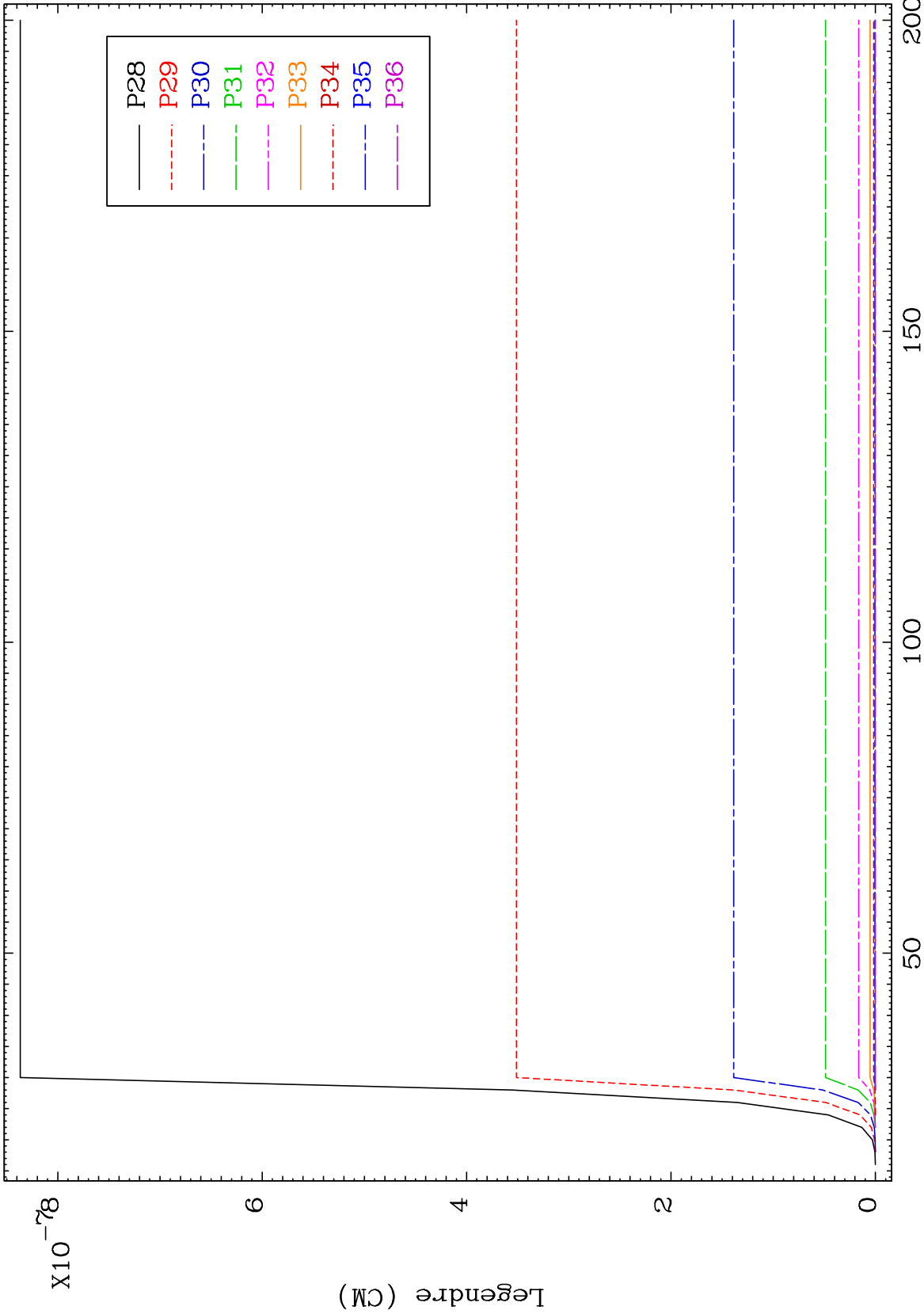
Incident Energy (MeV)

97

MAT 6255

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

62-Sm-154



98

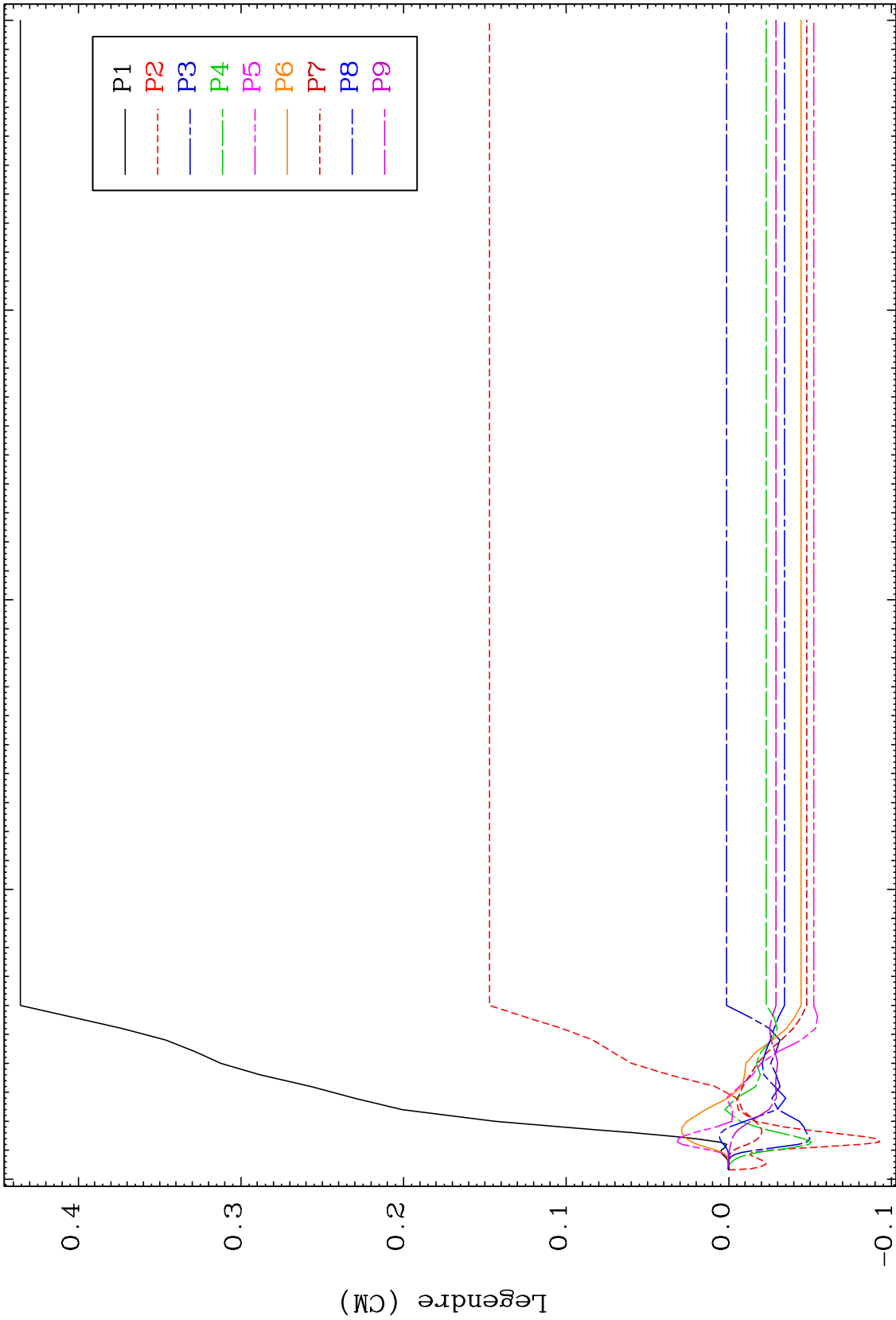
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



99

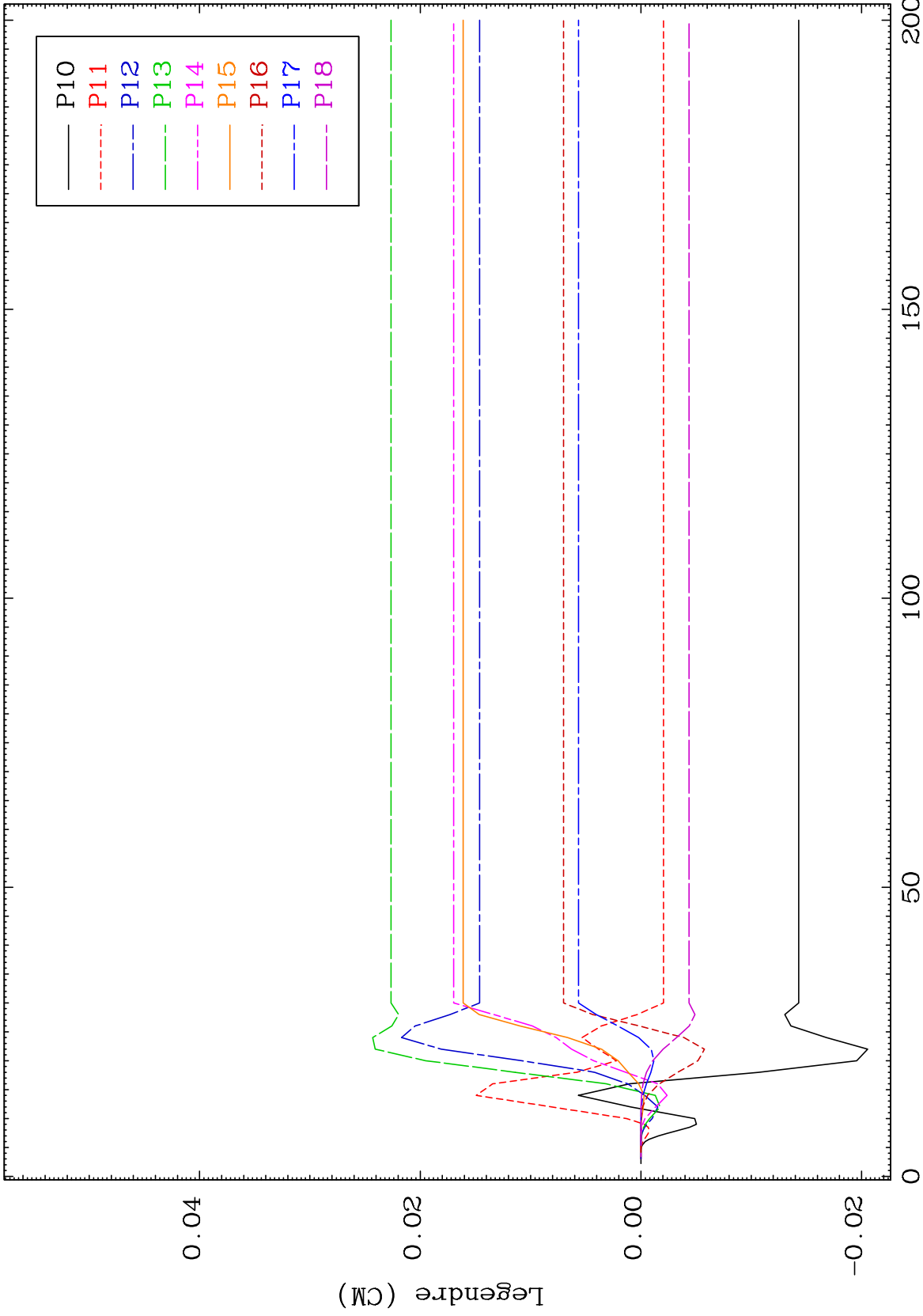
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



62-Sm-154

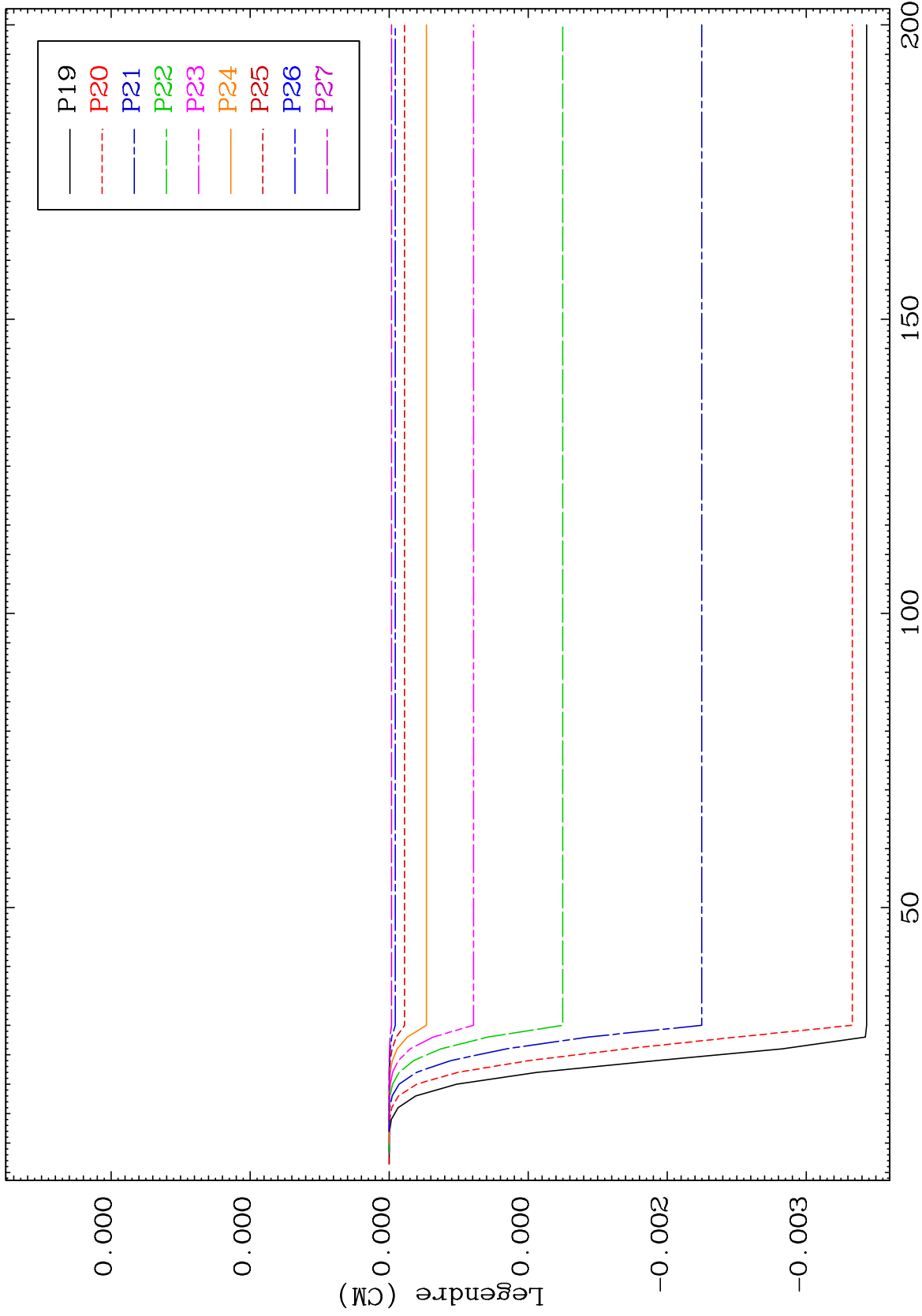
Incident Energy (MeV)

100

MAT 6255

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

62-Sm-154



101

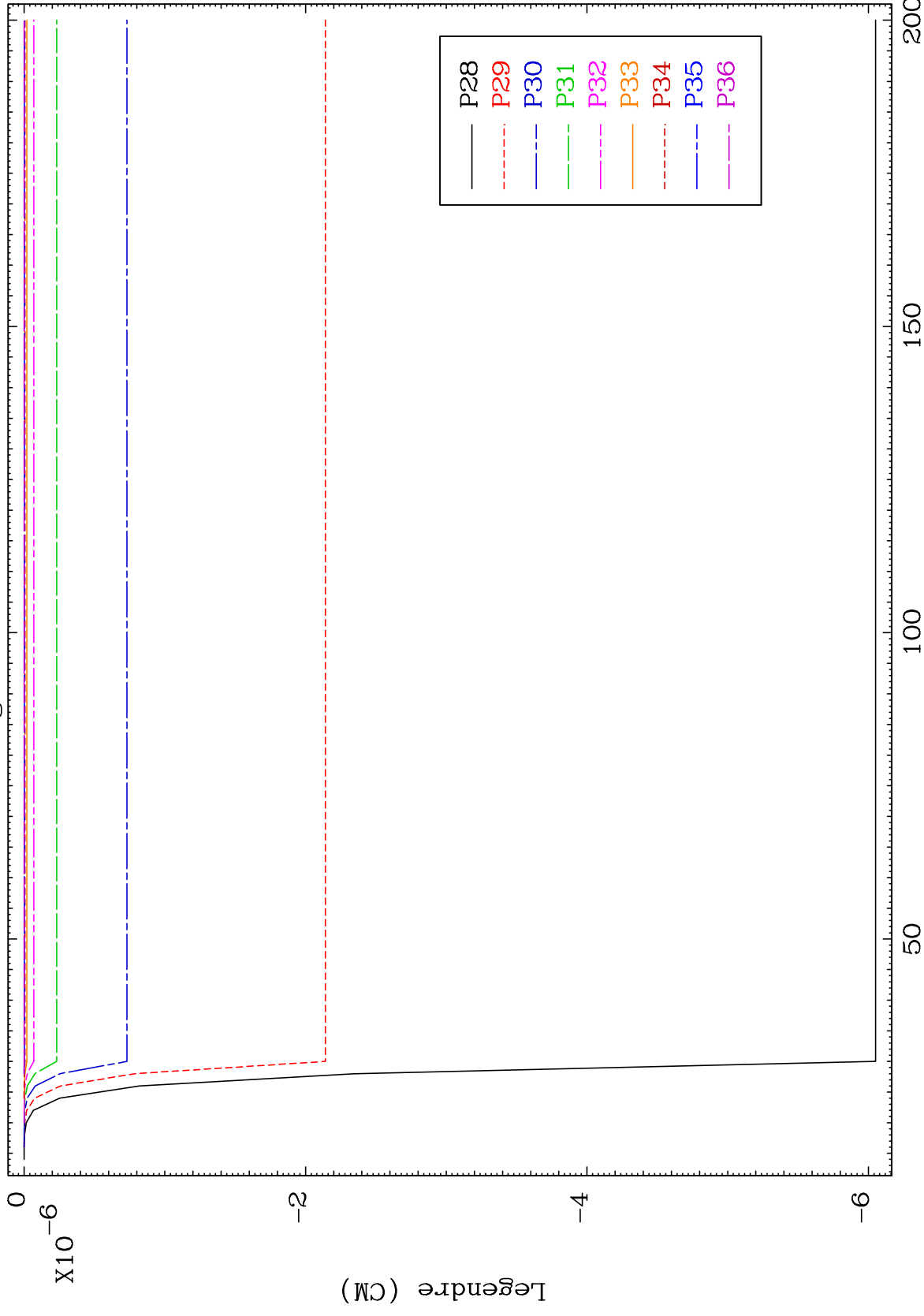
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



62-Sm-154

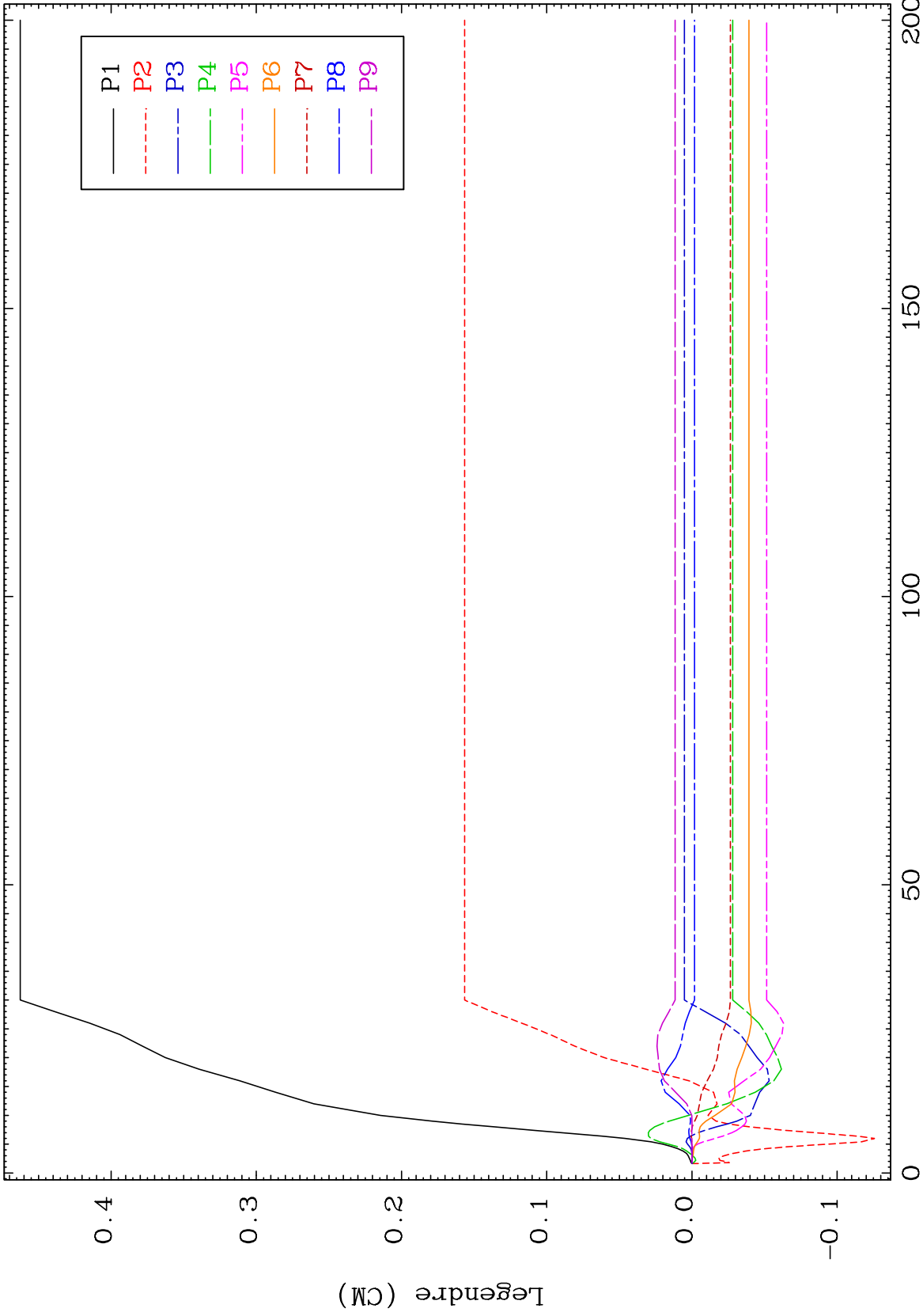
Incident Energy (MeV)

102

MAT 6255

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

62-Sm-154



62-Sm-154

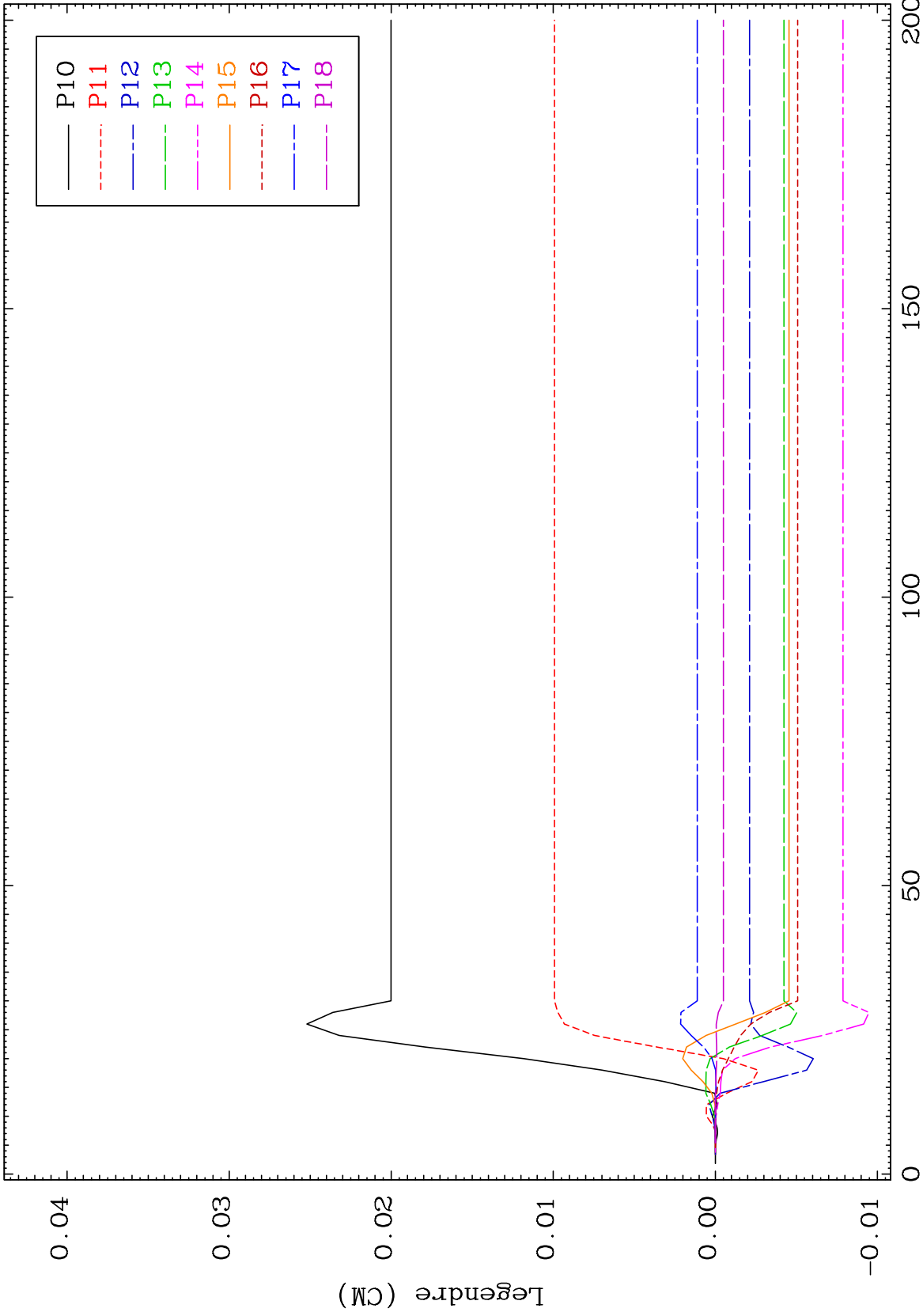
Incident Energy (MeV)

103

MAT 6255

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

62-Sm-154



104

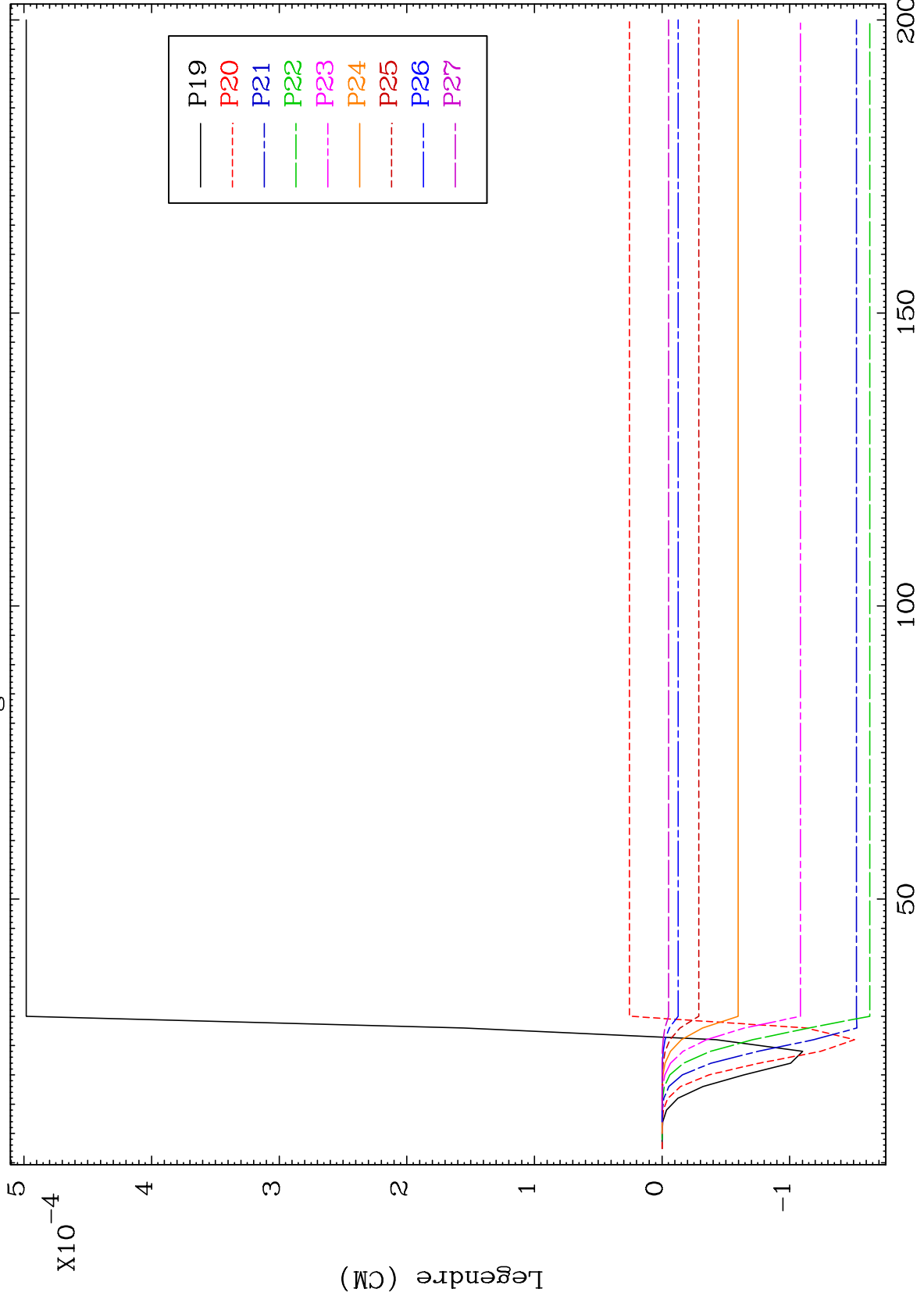
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



105

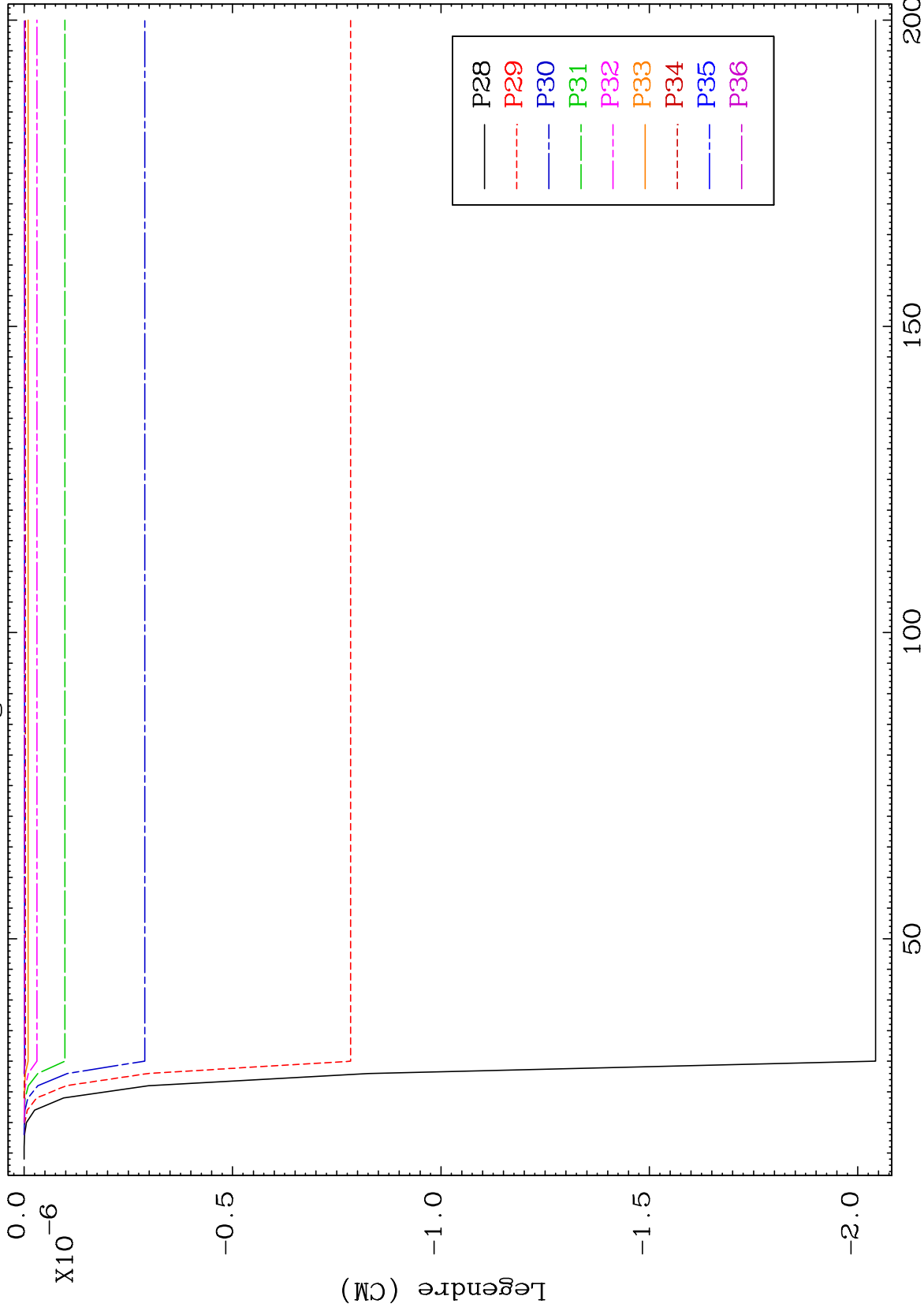
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154

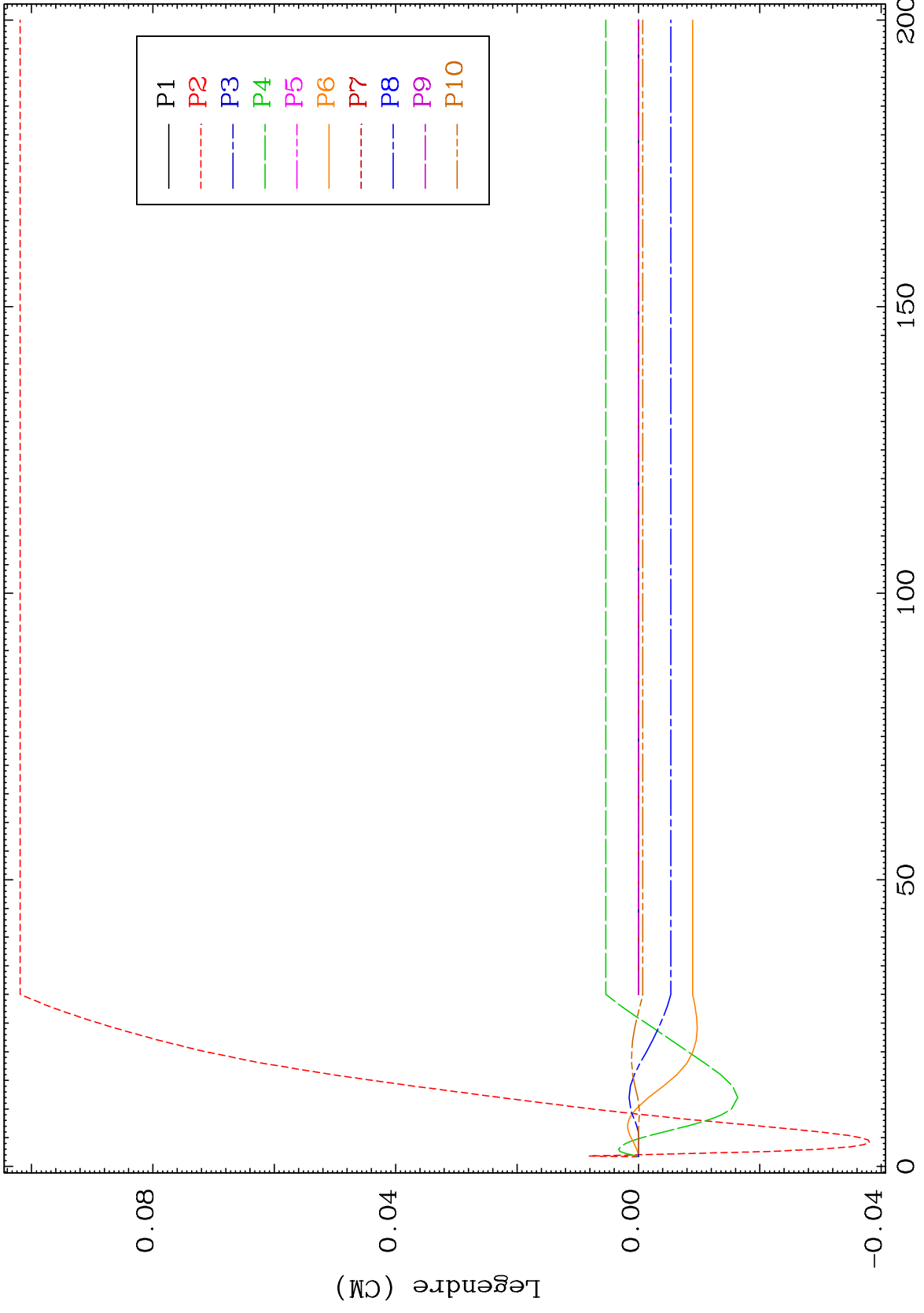


62-Sm-154

Incident Energy (MeV)

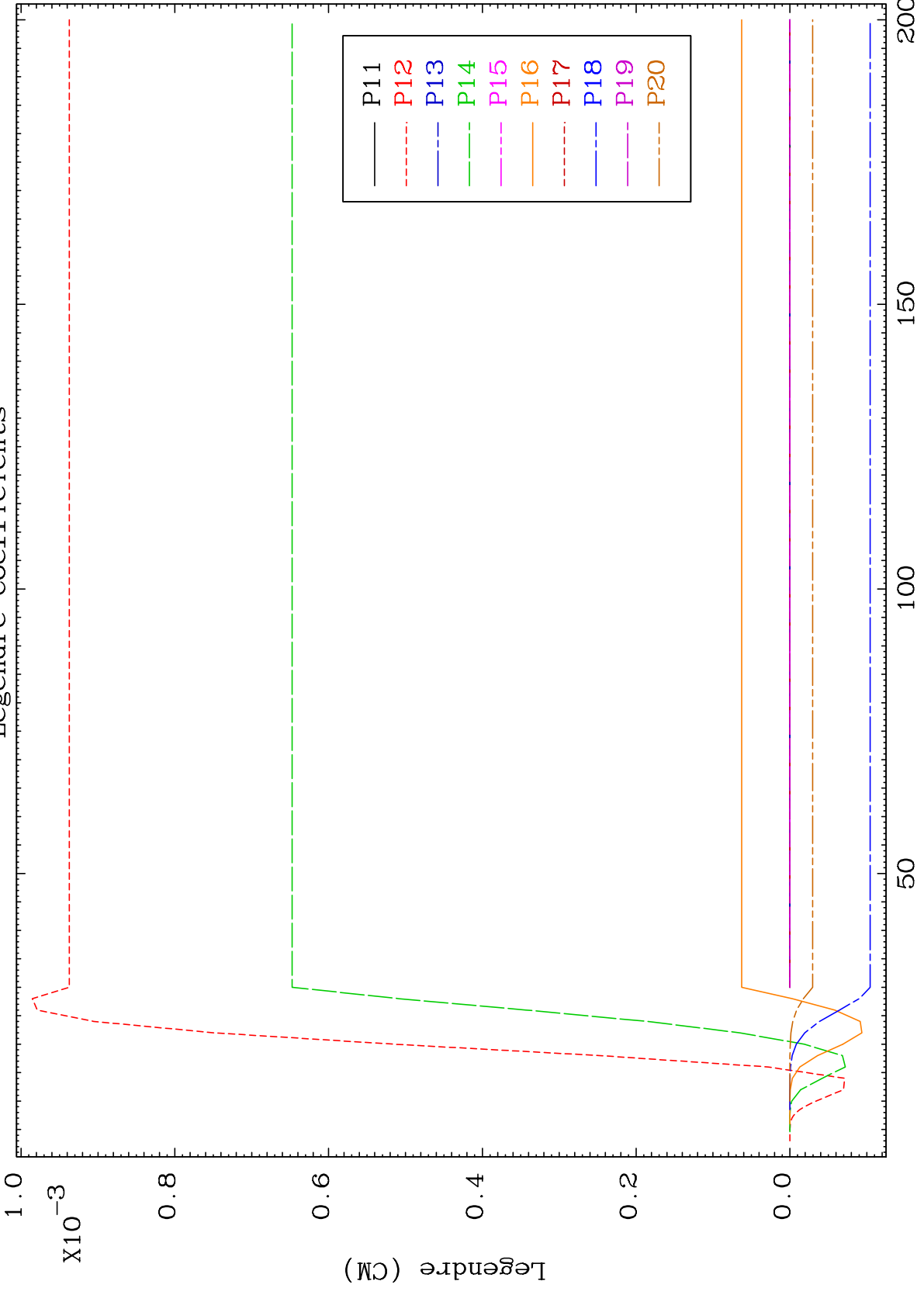
106

MAT 6255 MT= 74 (n,n') Level Legendre Coefficients 62-Sm-154

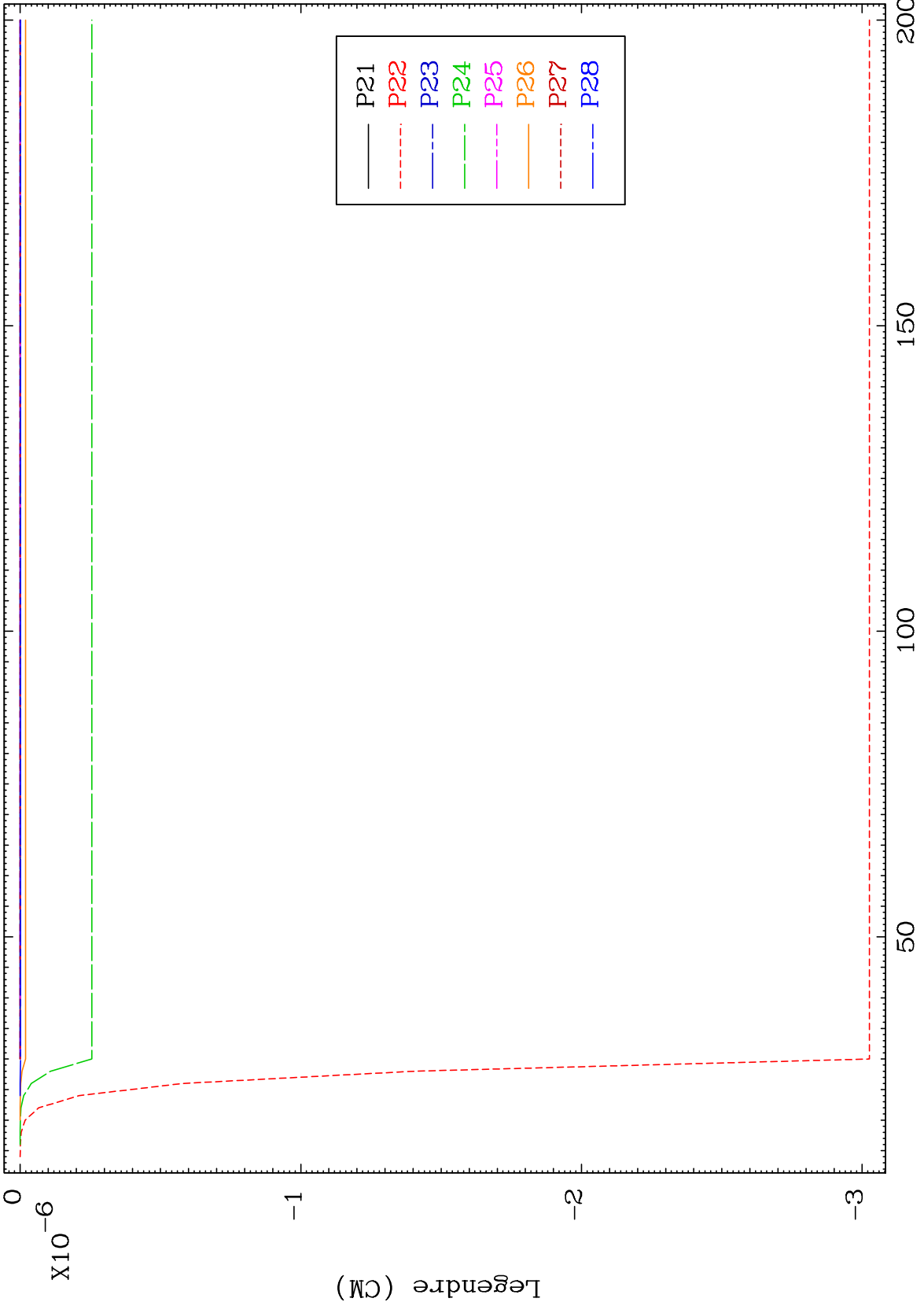


107 62-Sm-154

MAT 6255 MT= 74 (n,n') Level Legendre Coefficients 62-Sm-154



MAT 6255 MT= 74 (n,n') Level Legendre Coefficients 62-Sm-154

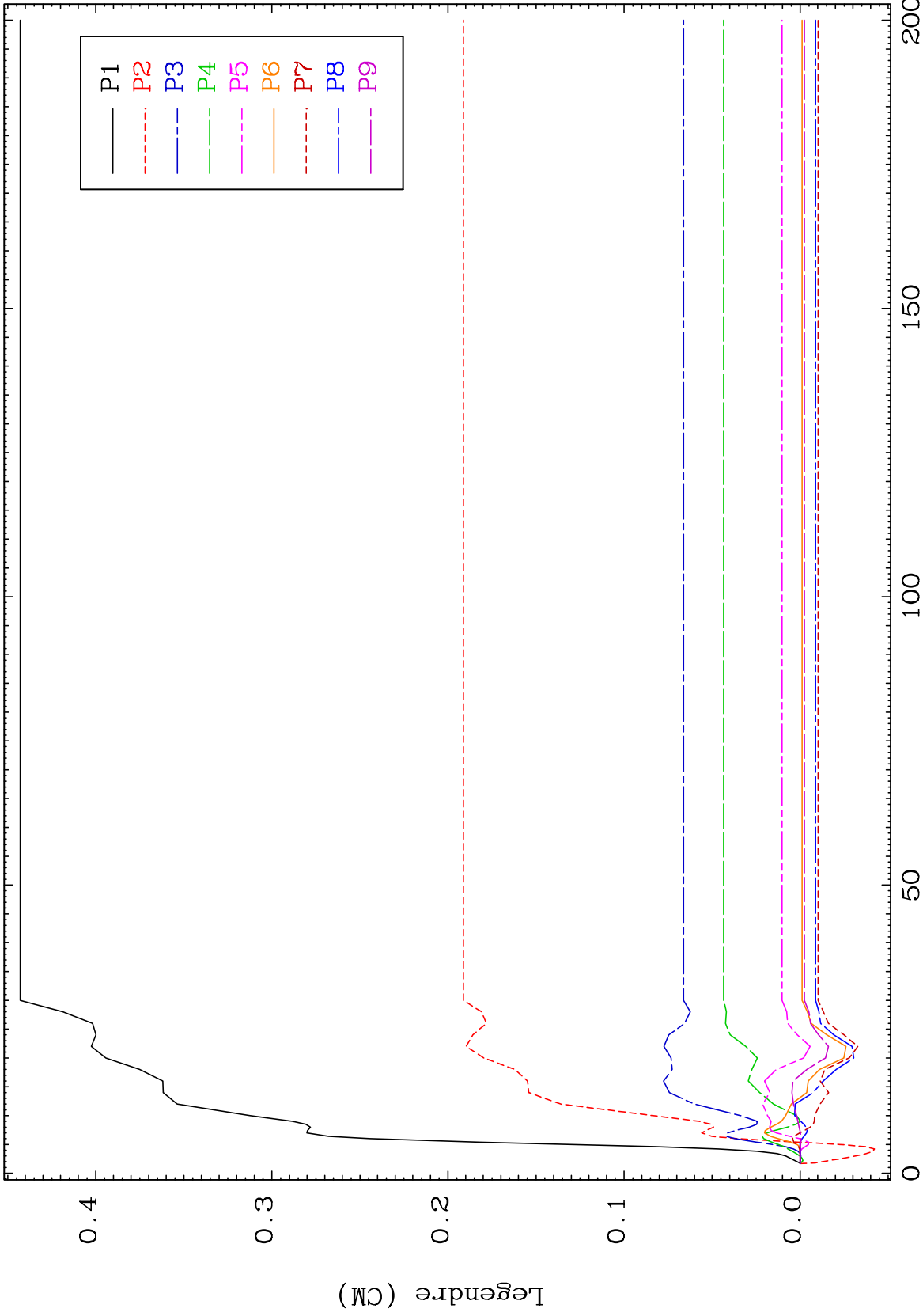


109 62-Sm-154

MAT 6255

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

62-Sm-154

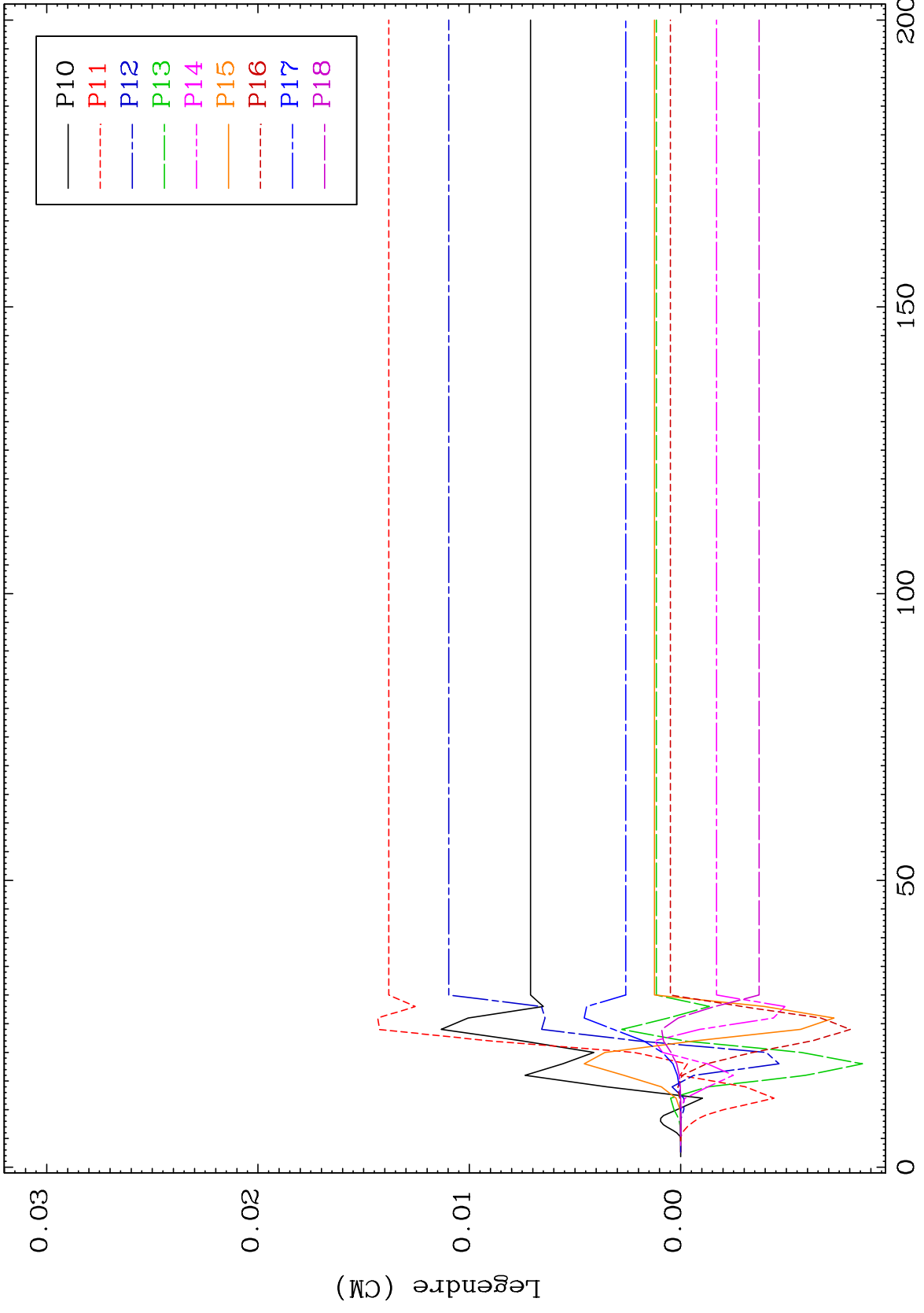


62-Sm-154

Incident Energy (MeV)

110

MAT 6255 MT= 75 (n,n') Level Legendre Coefficients 62-Sm-154

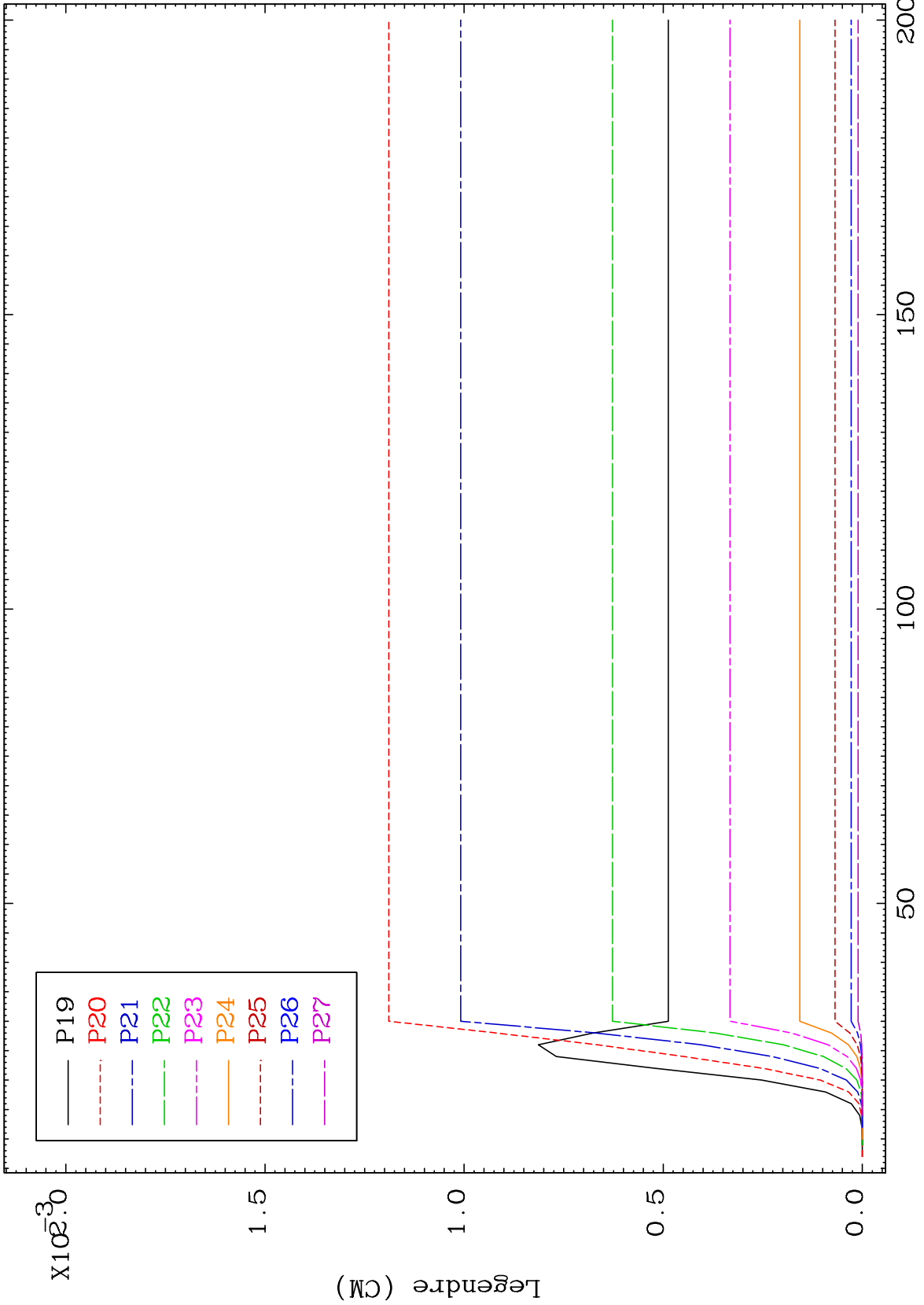


111 62-Sm-154

MAT 6255

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

62-Sm-154



112

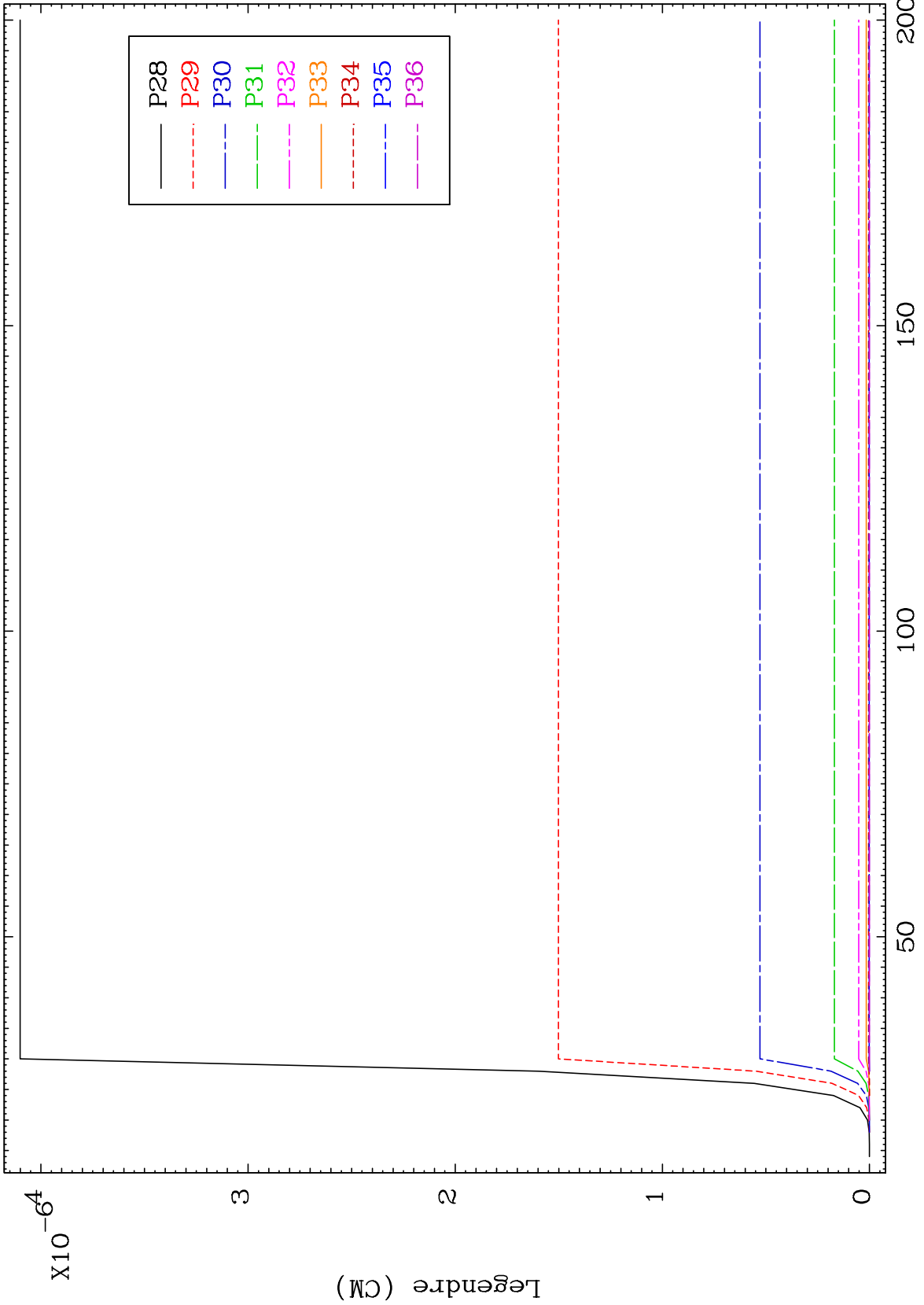
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

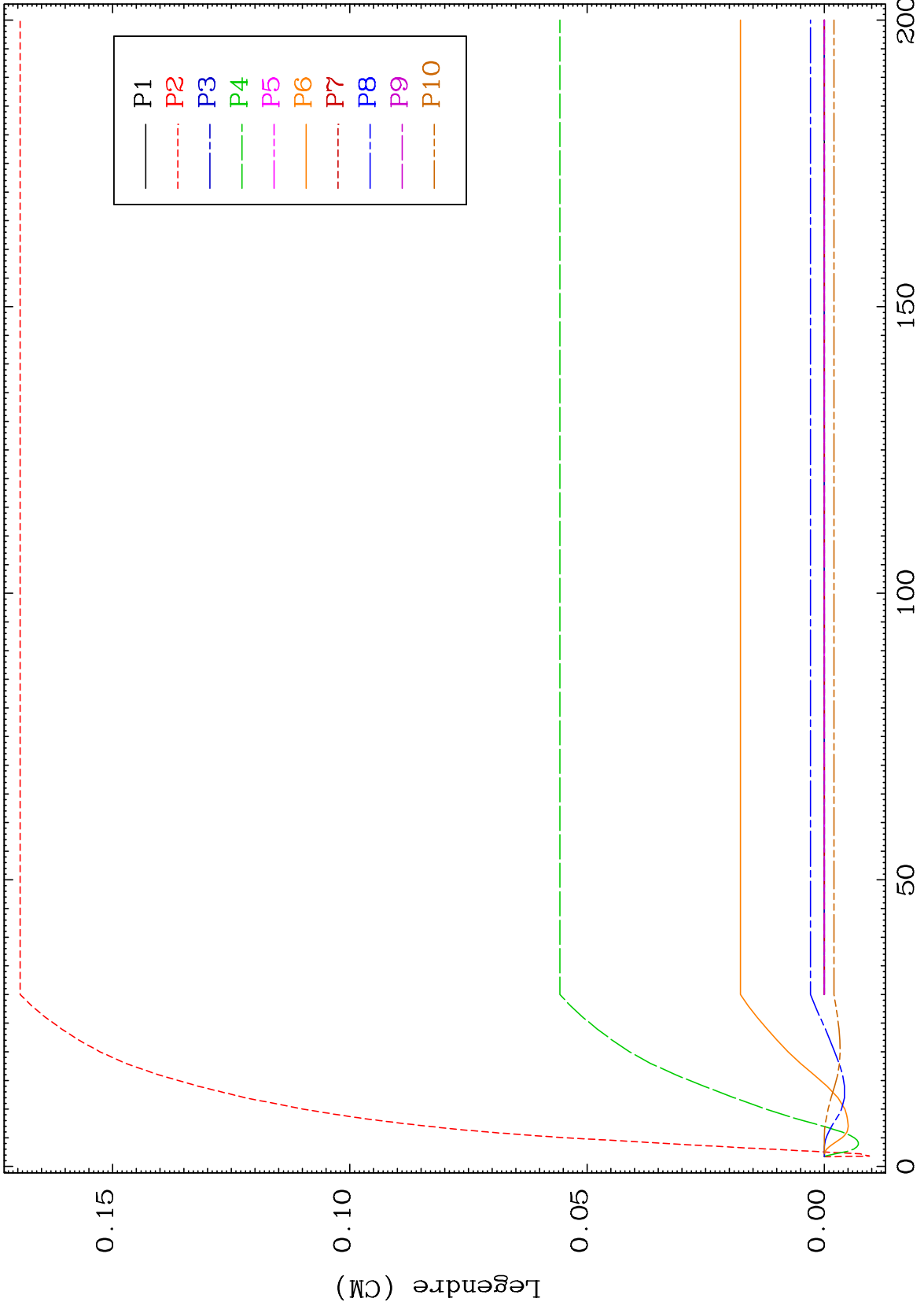
62-Sm-154



113

62-Sm-154

MAT 6255 MT= 76 (n,n') Level Legendre Coefficients 62-Sm-154

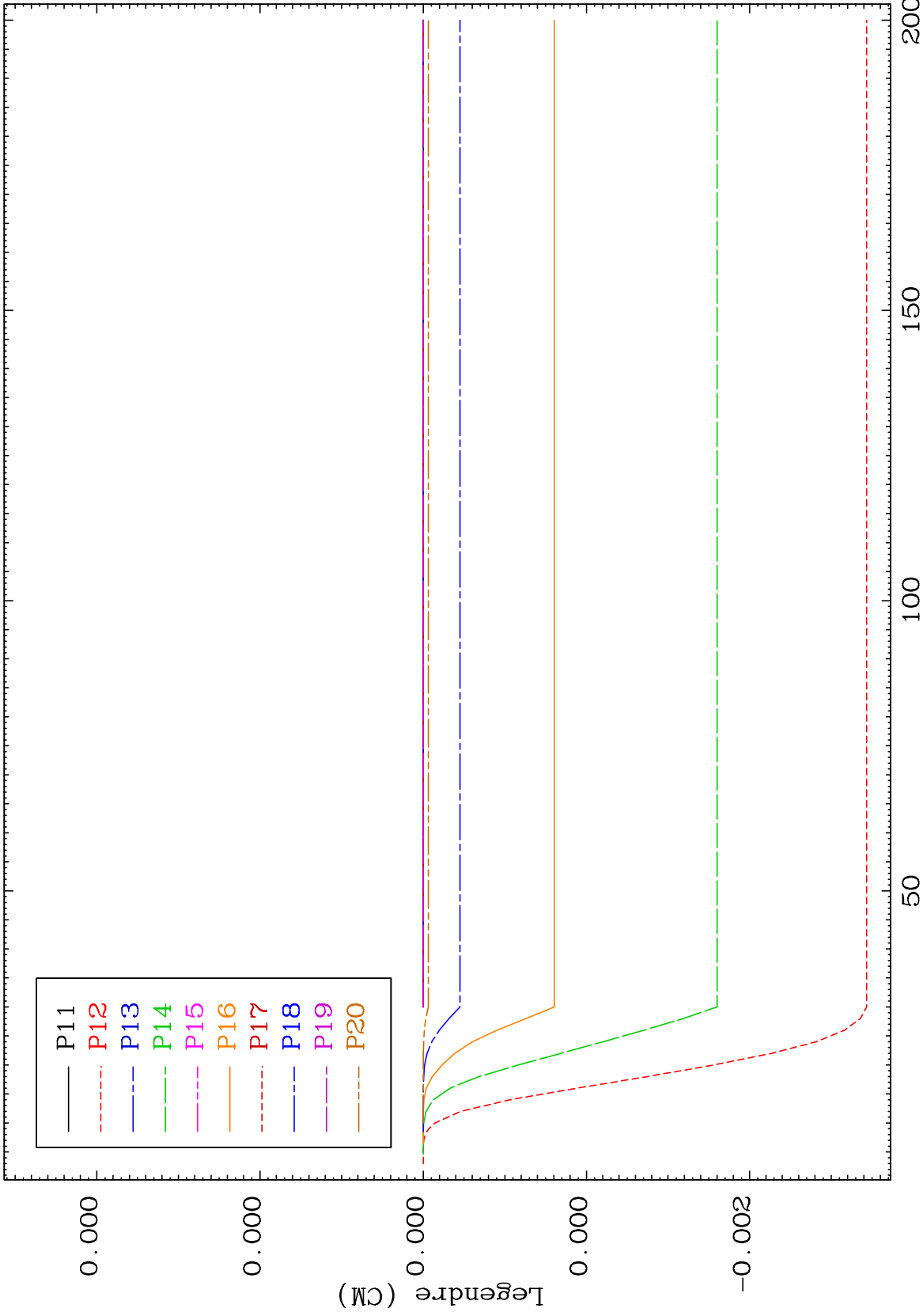


114 62-Sm-154

MAT 6255

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

62-Sm-154

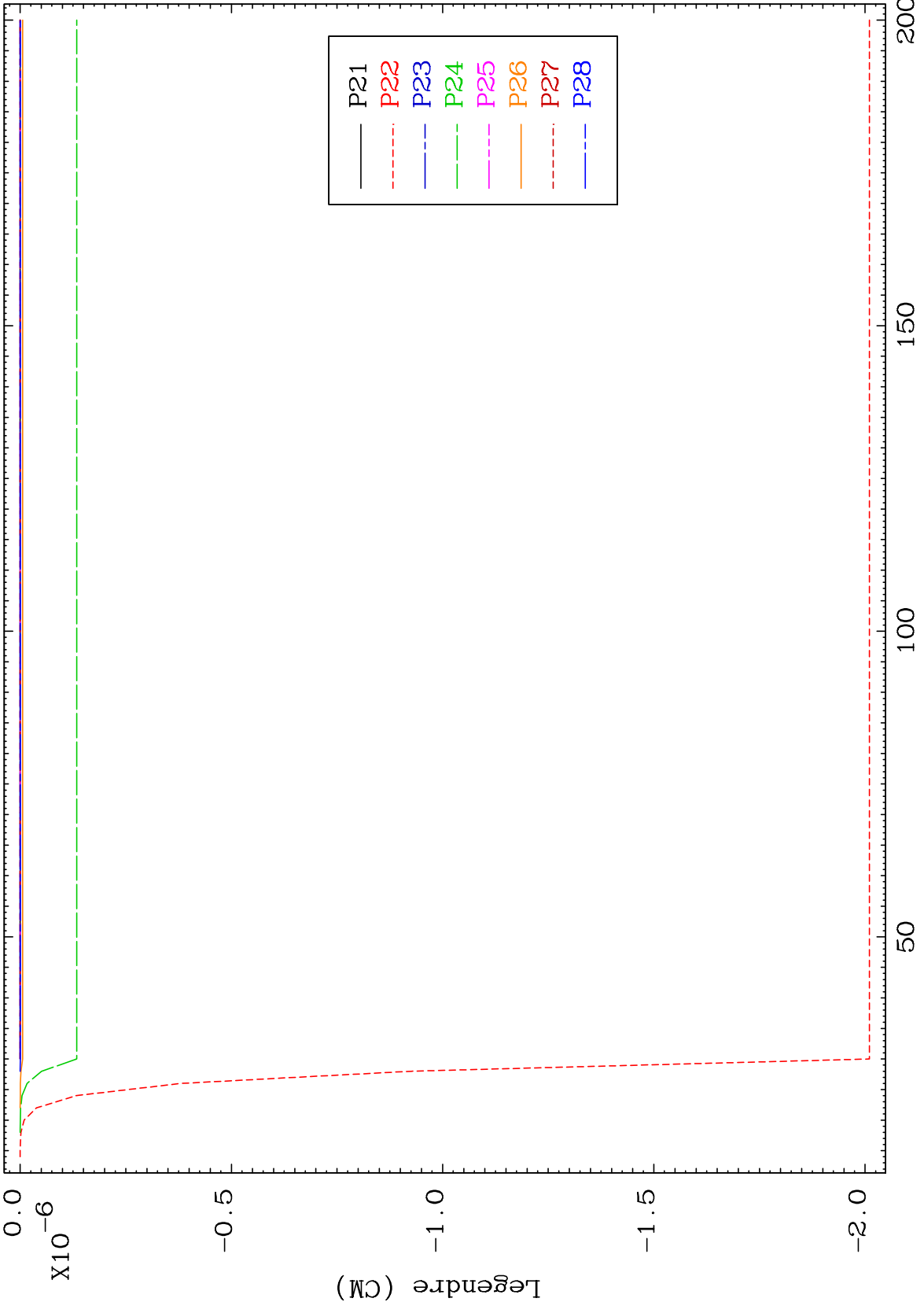


115

Incident Energy (MeV)

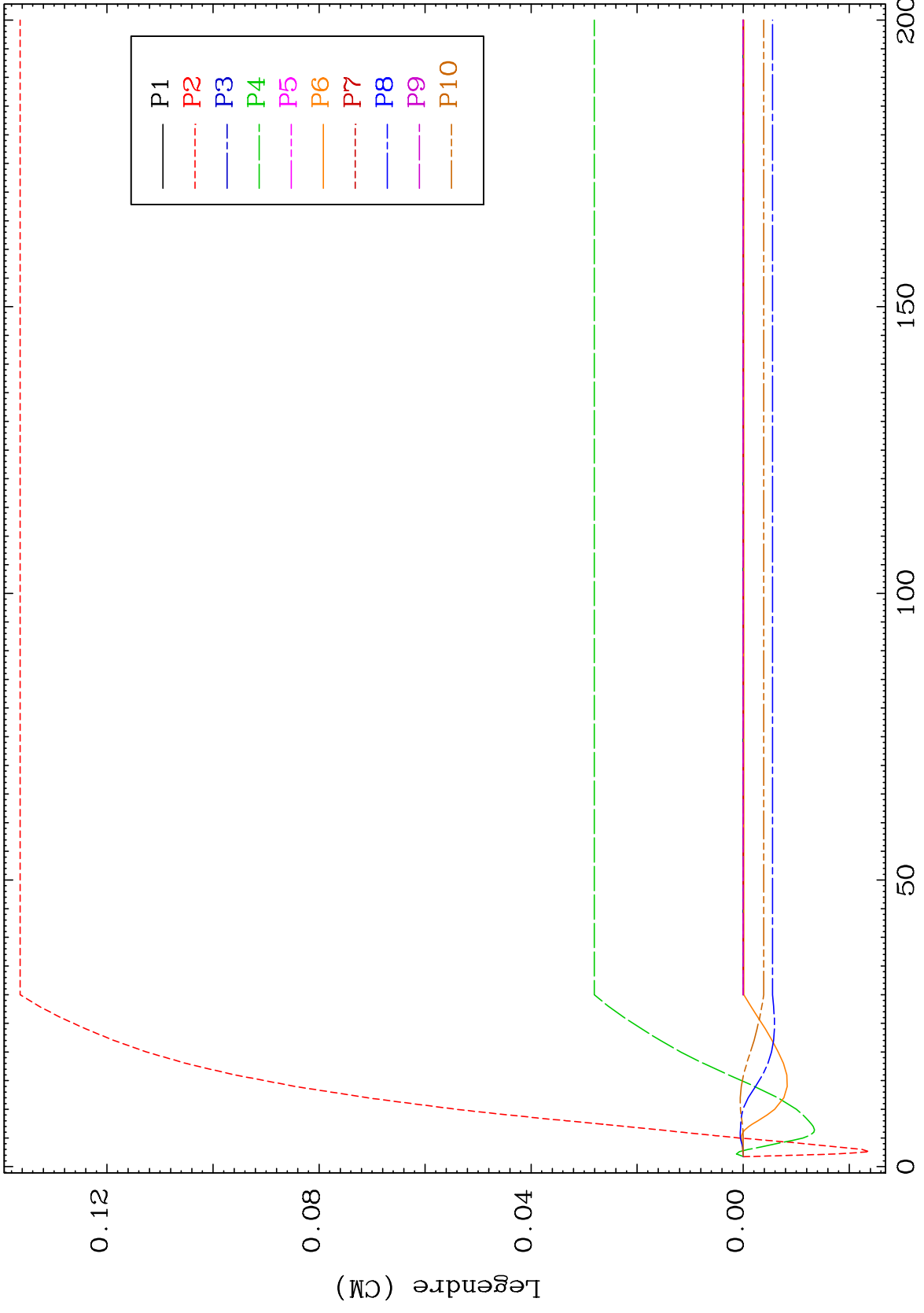
62-Sm-154

MAT 6255 MT= 76 (n,n') Level Legendre Coefficients 62-Sm-154



116 62-Sm-154

MAT 6255 MT= 77 (n,n') Level Legendre Coefficients 62-Sm-154

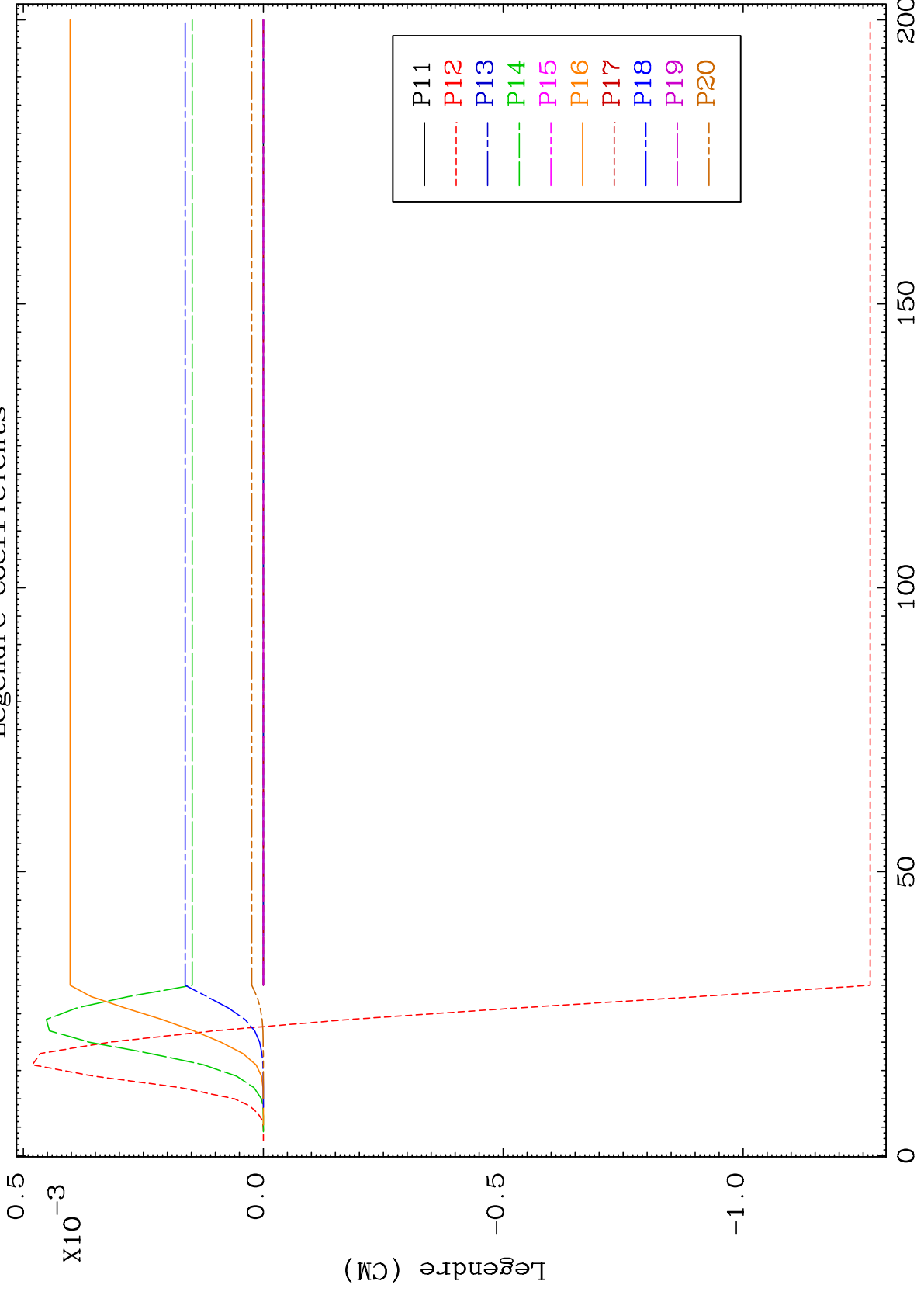


117 62-Sm-154

MAT 6255

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

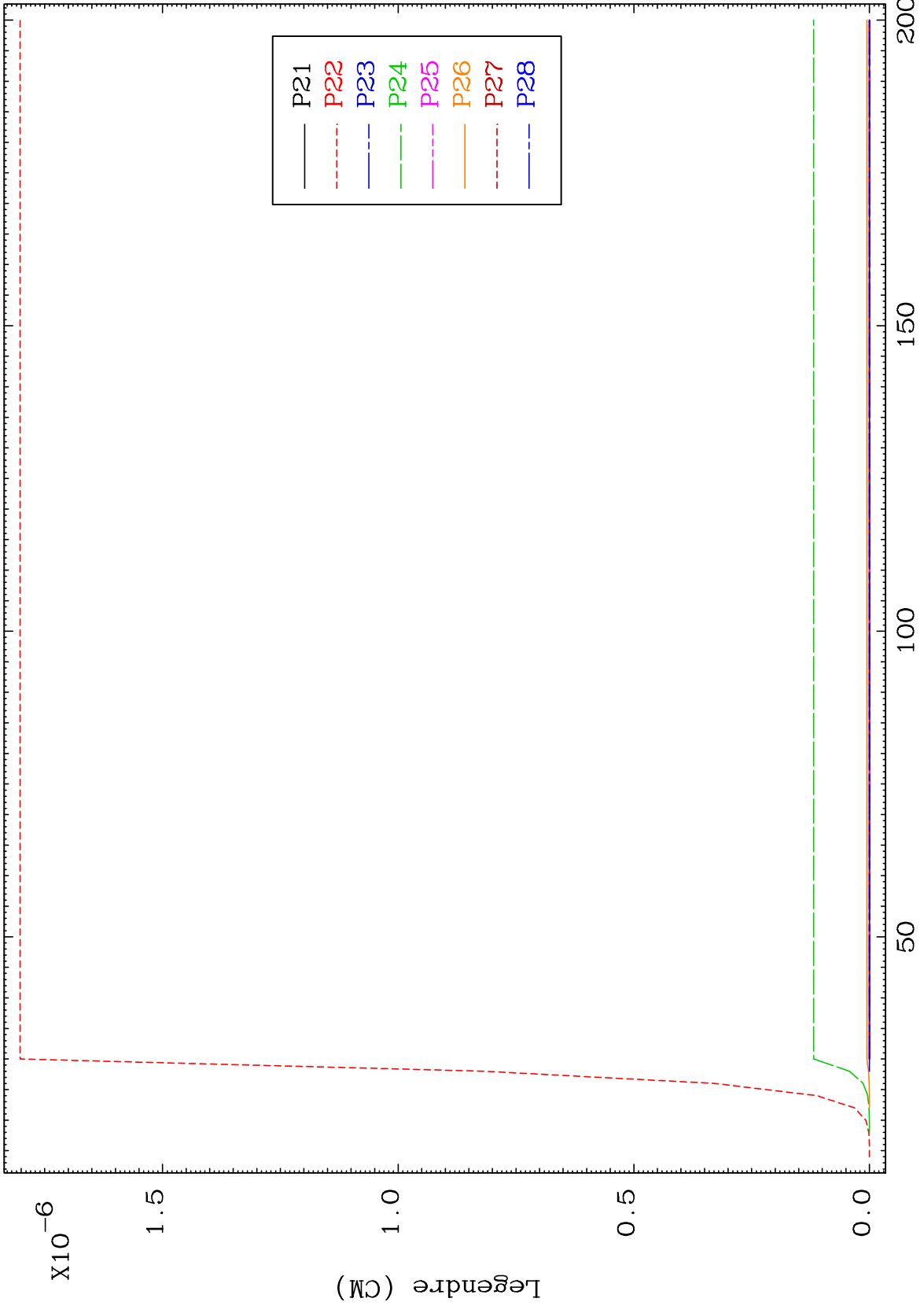
62-Sm-154



118

62-Sm-154

MAT 6255 MT= 77 (n,n') Level Legendre Coefficients 62-Sm-154

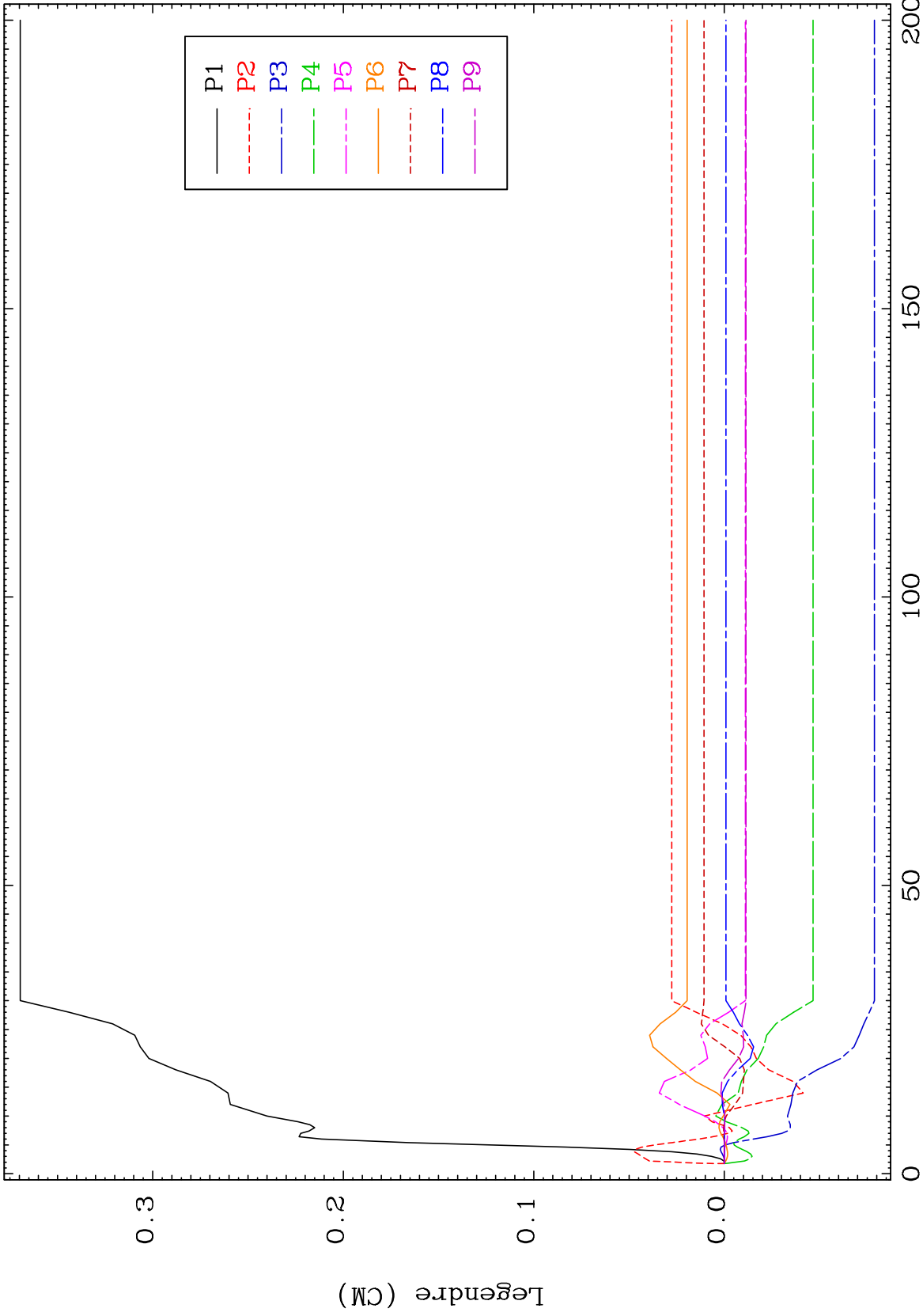


119 62-Sm-154

MAT 6255

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

62-Sm-154



120

Incident Energy (MeV)

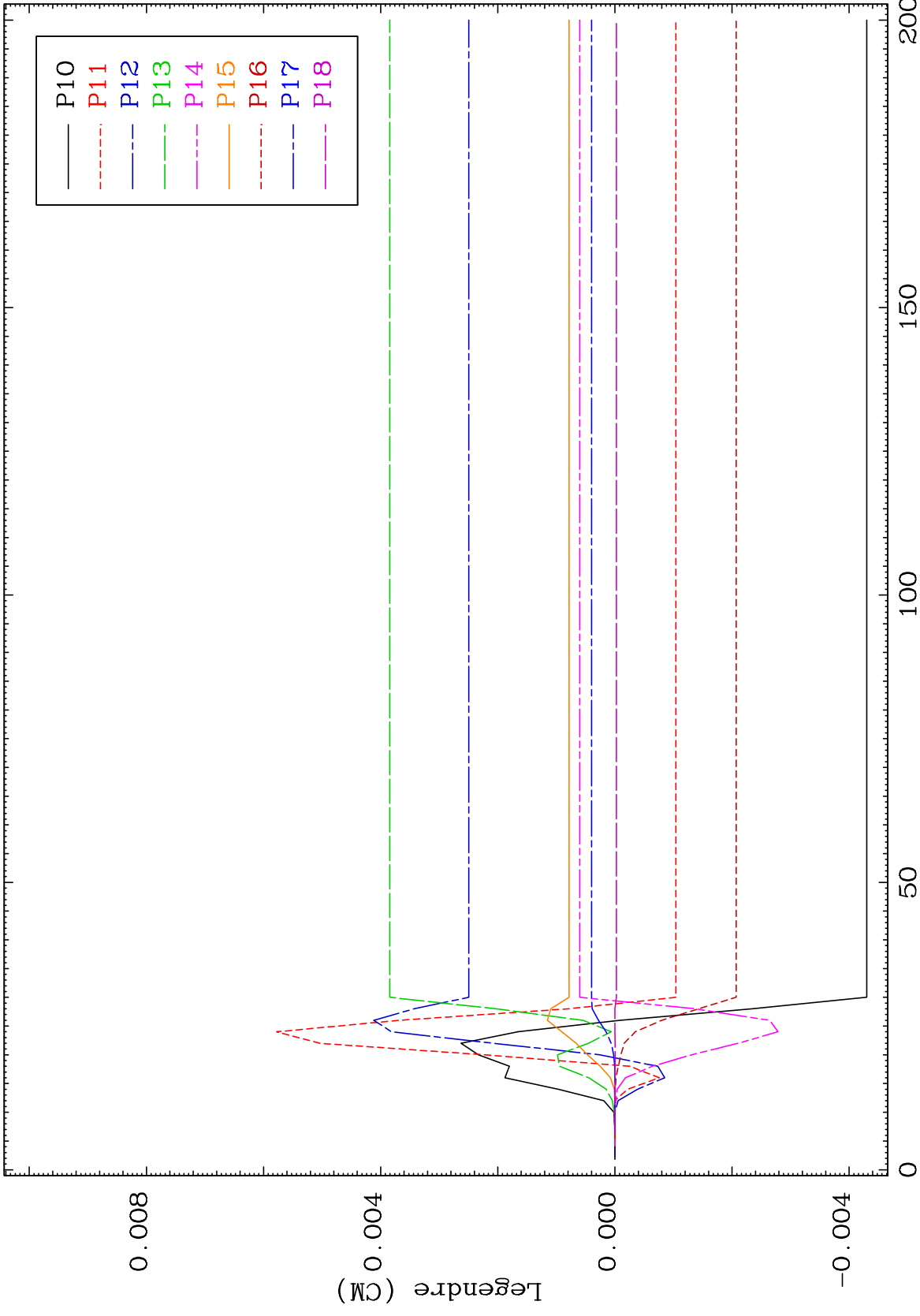
150

62-Sm-154

MAT 6255

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

62-Sm-154



121

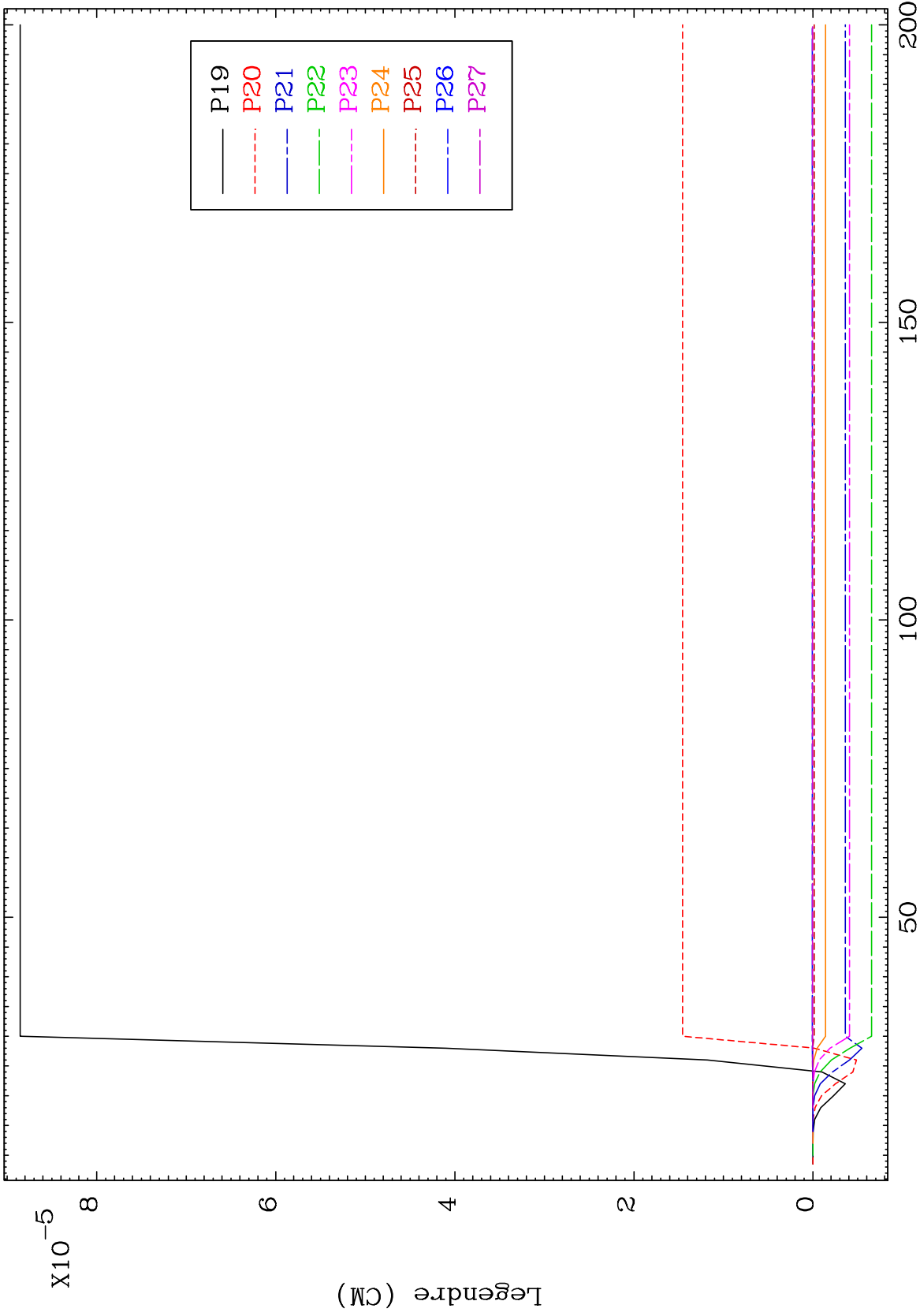
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



122

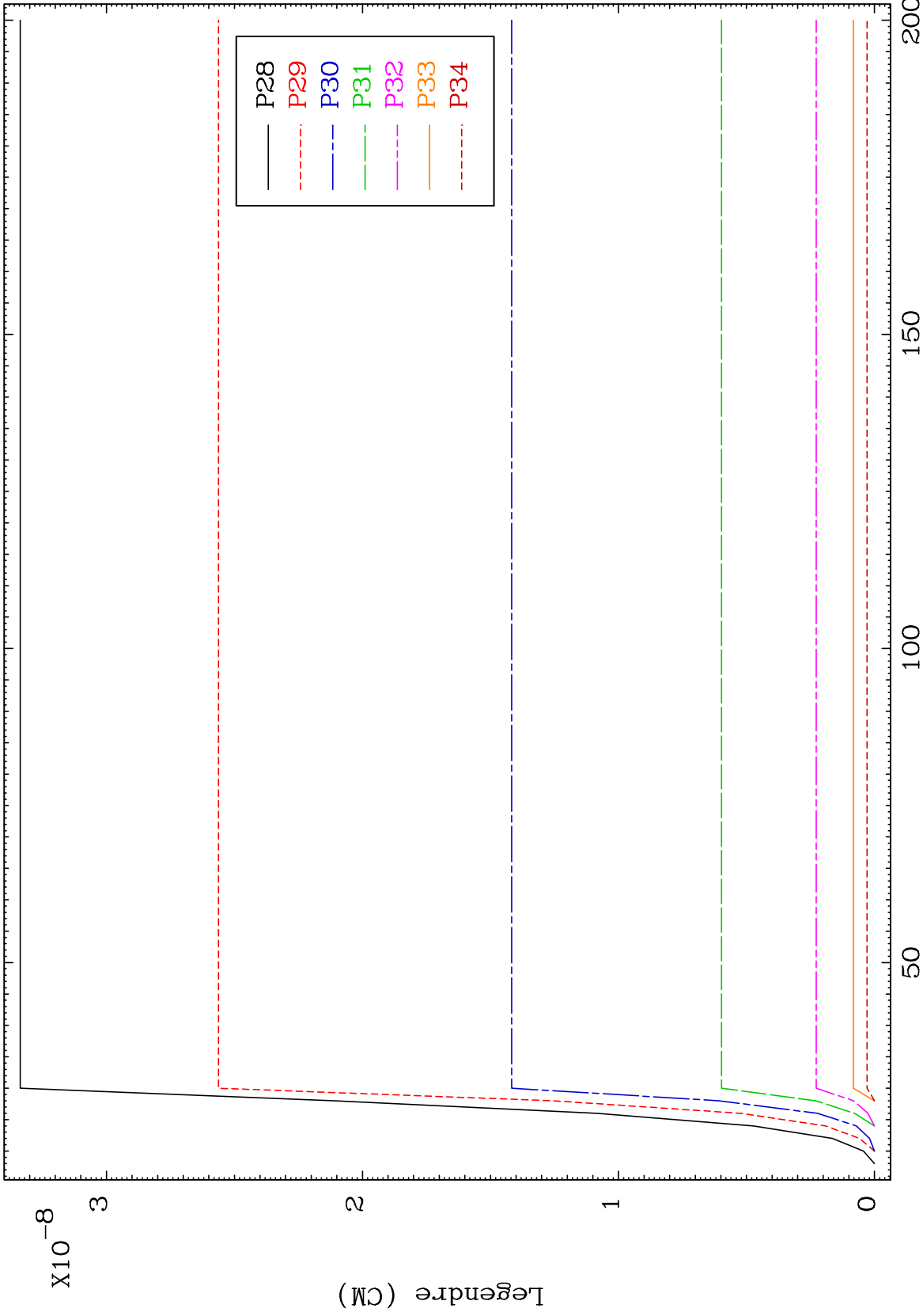
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



123

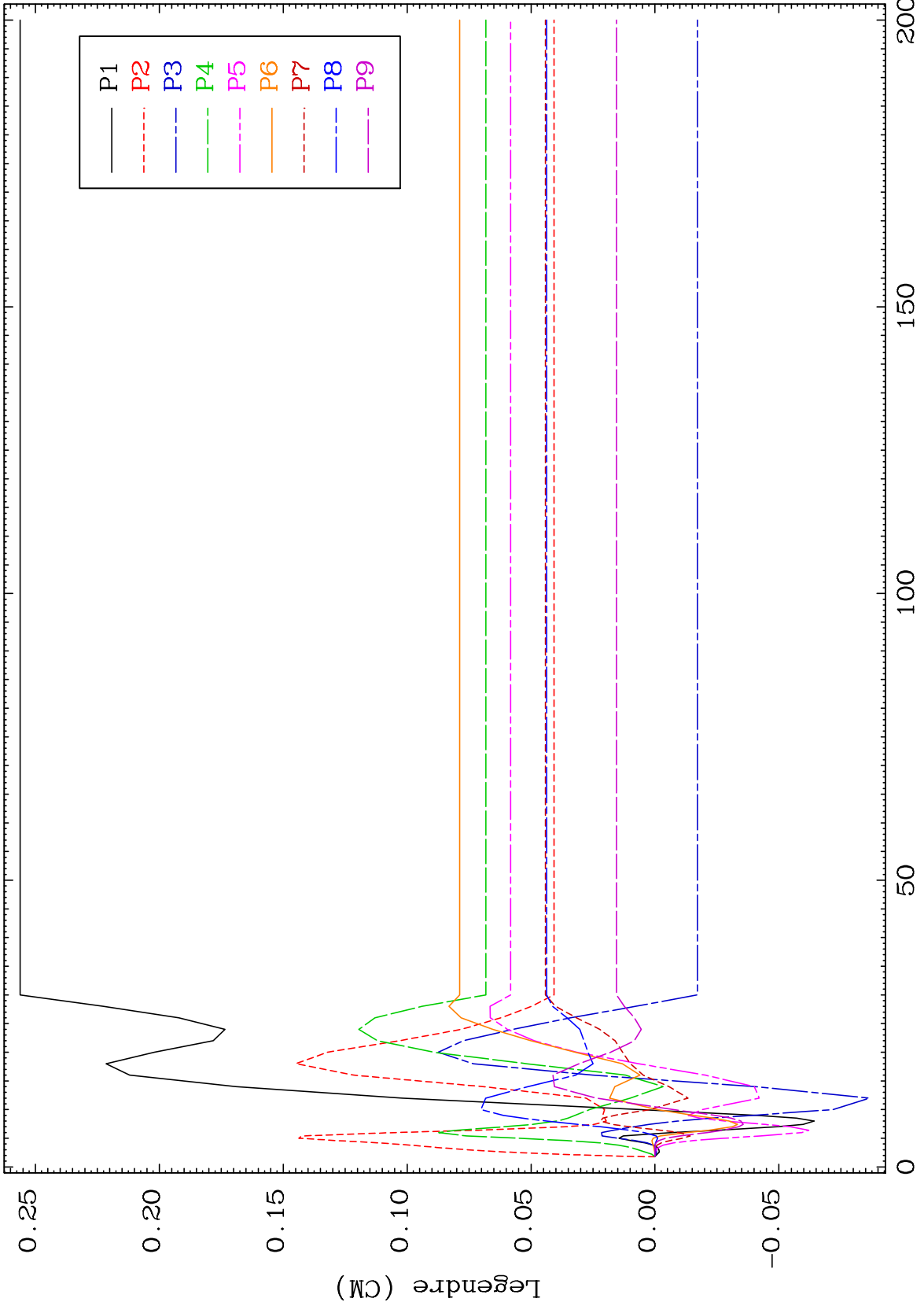
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



62-Sm-154

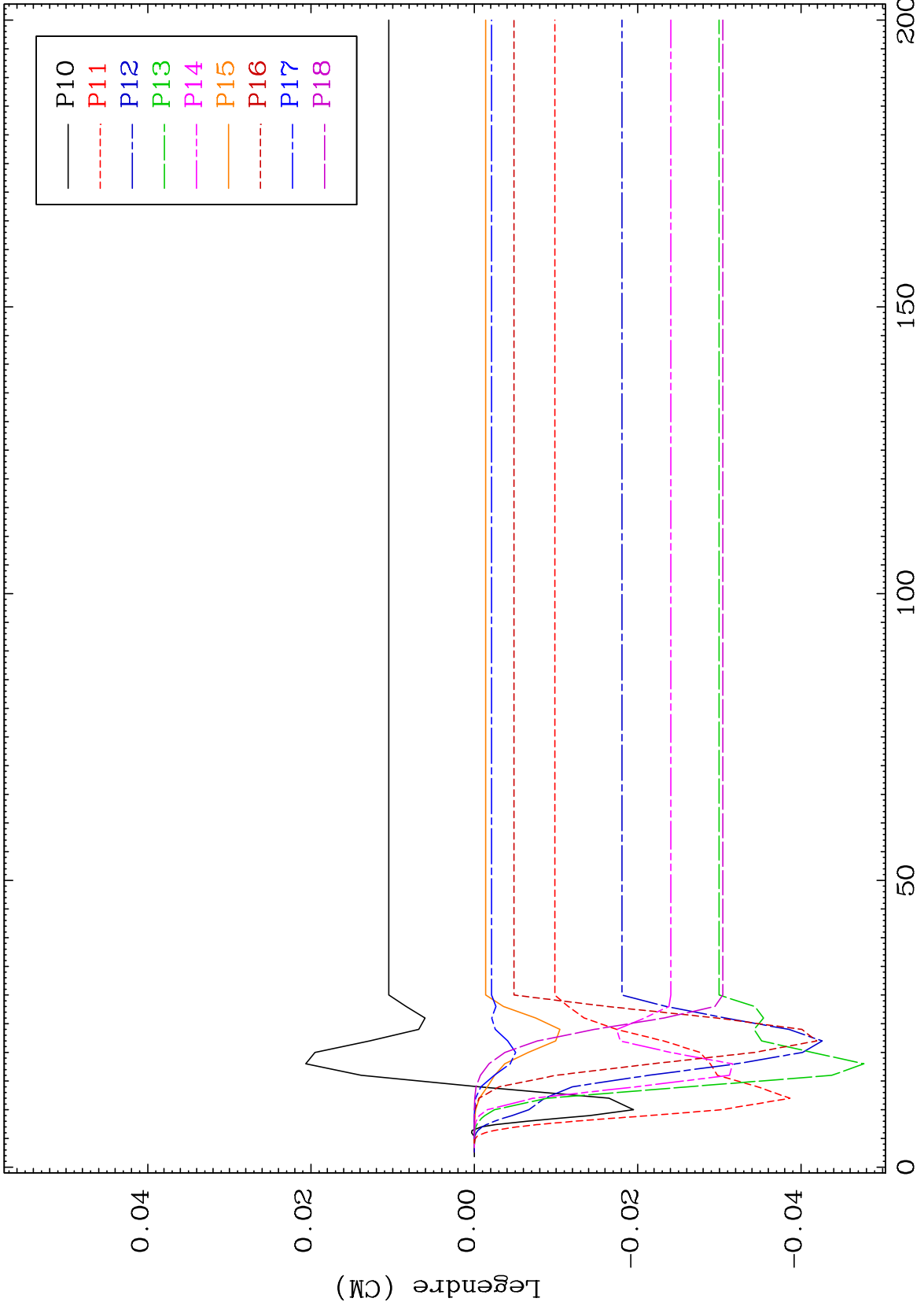
Incident Energy (MeV)

124

MAT 6255

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

62-Sm-154



62-Sm-154

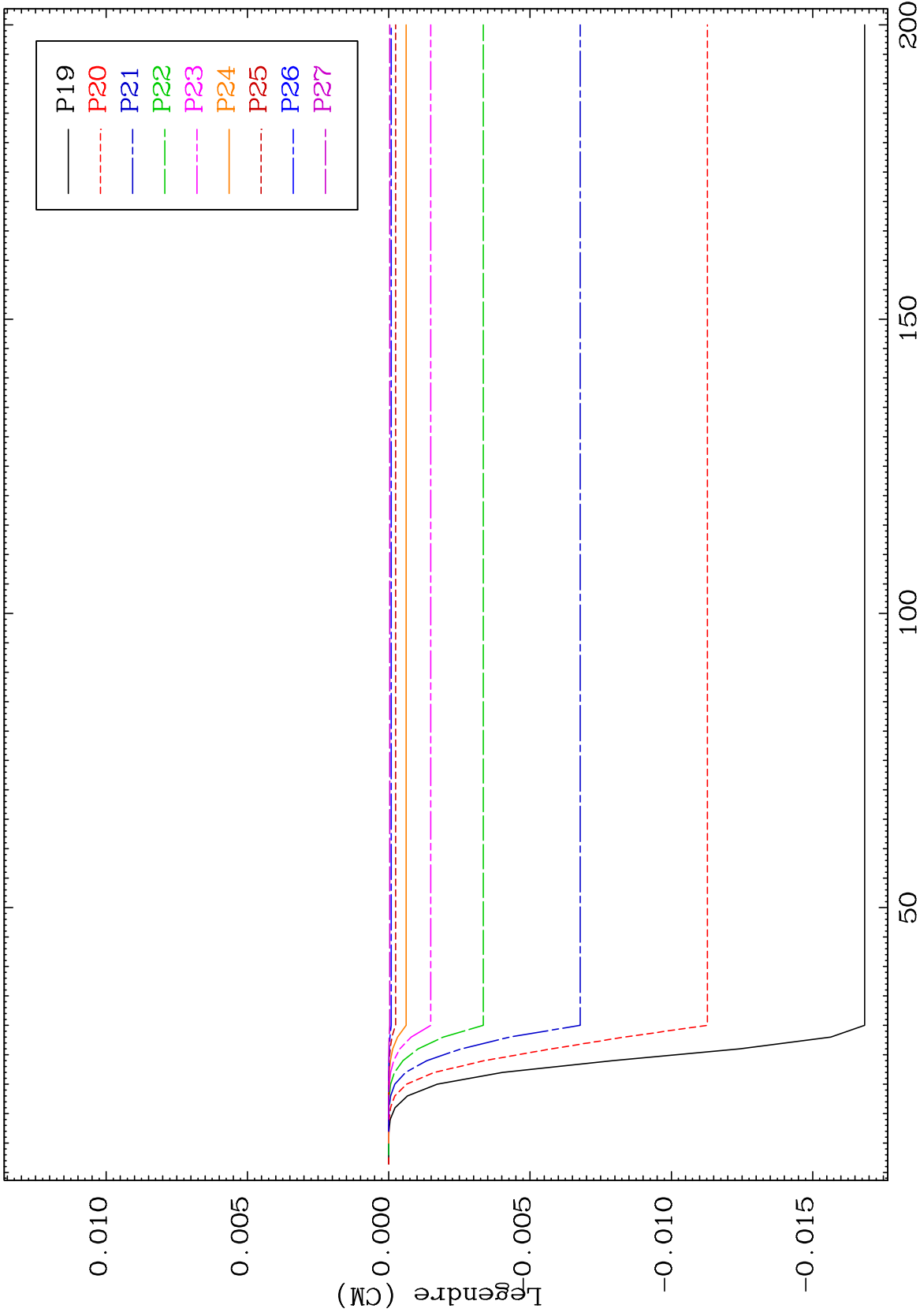
Incident Energy (MeV)

125

MAT 6255

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

62-Sm-154



126

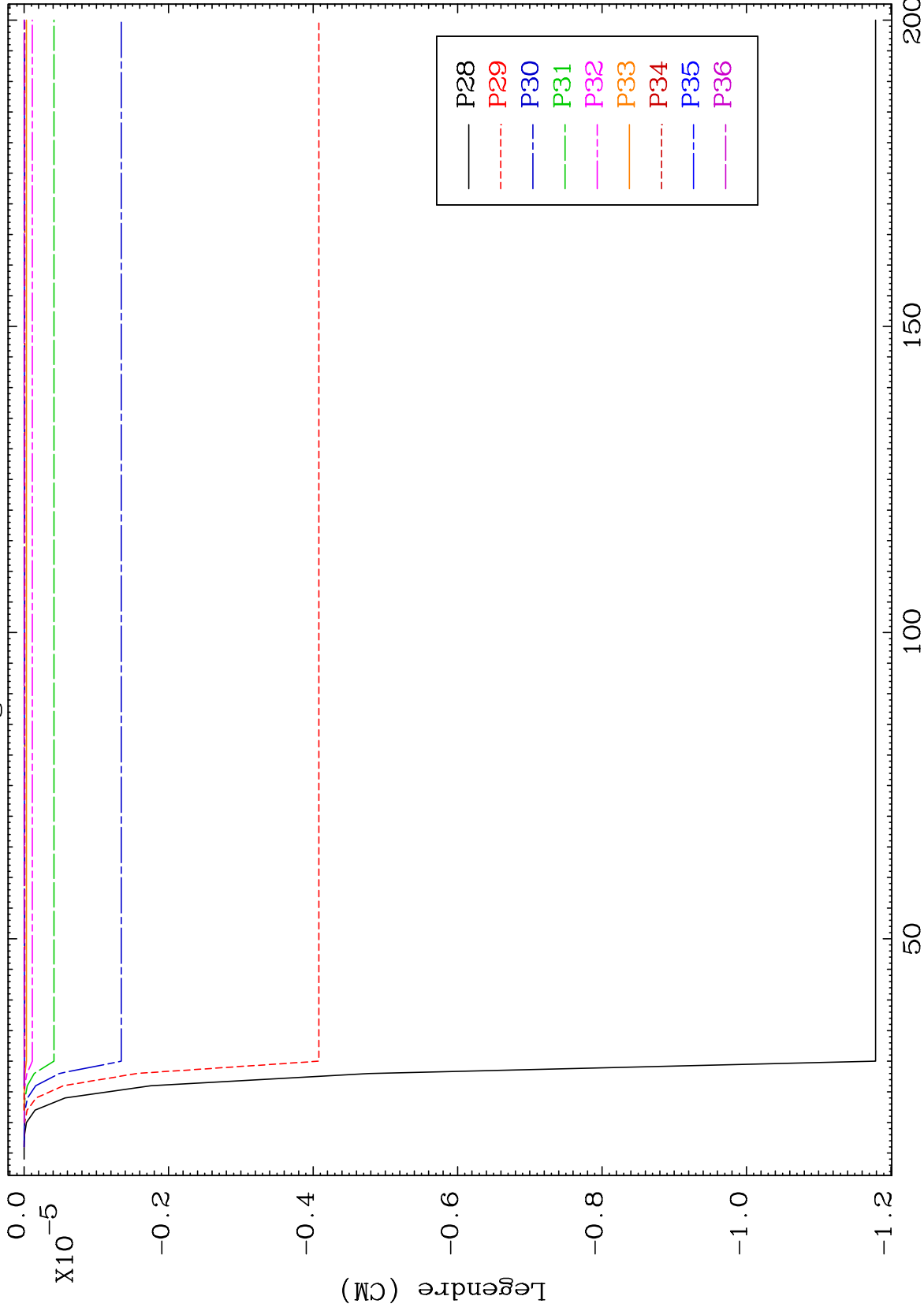
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



62-Sm-154

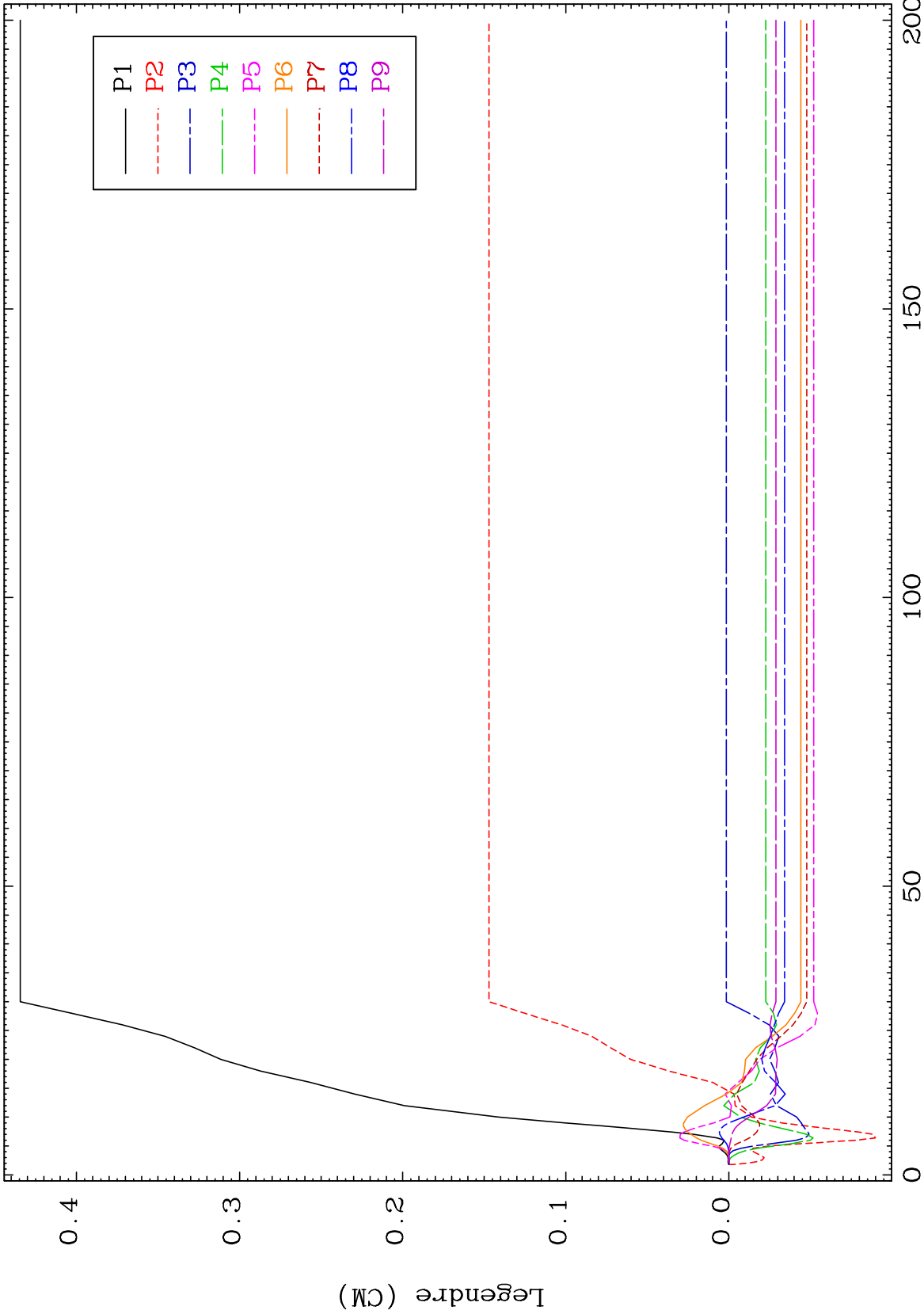
Incident Energy (MeV)

127

MAT 6255

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

62-Sm-154



128

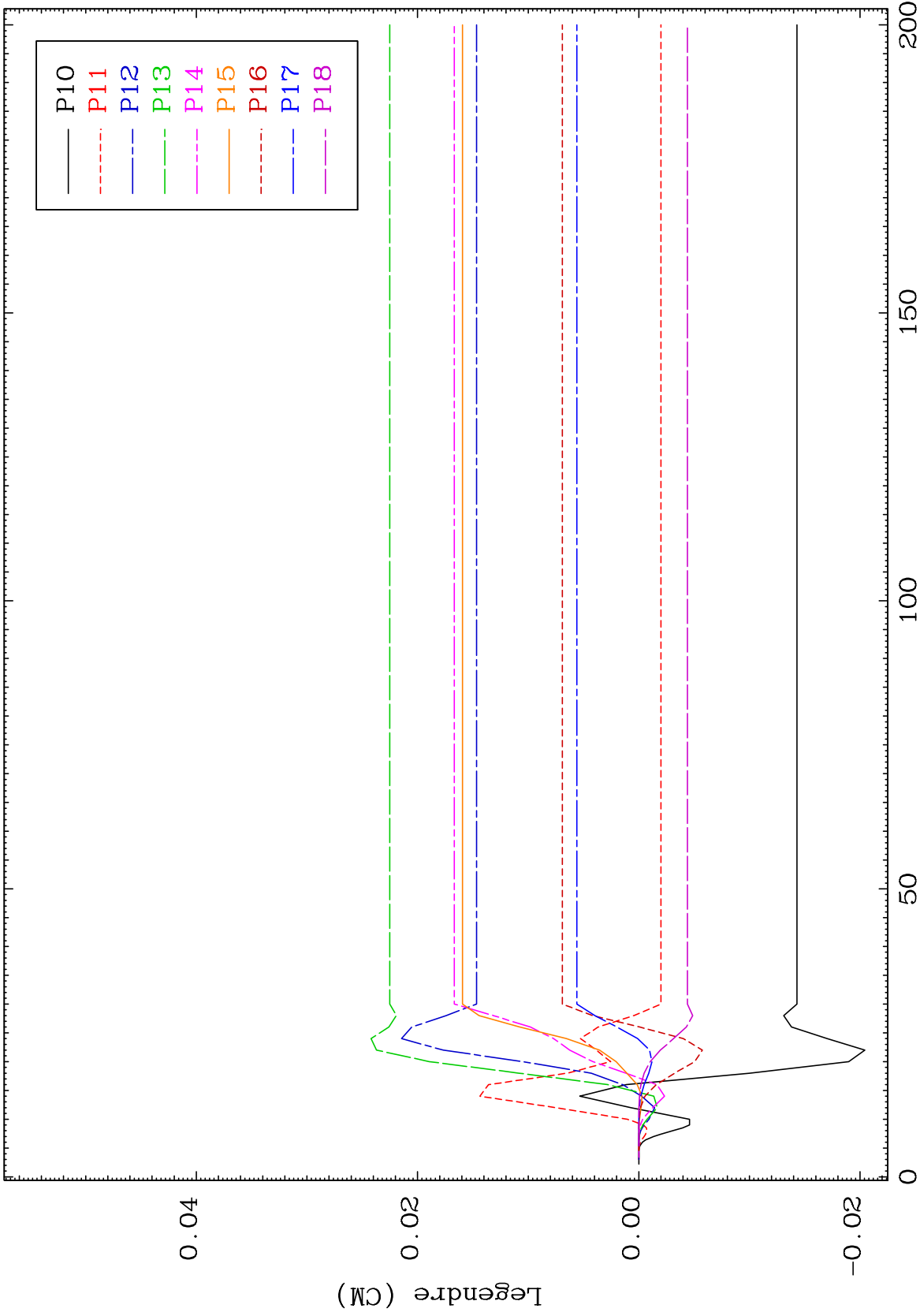
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



129

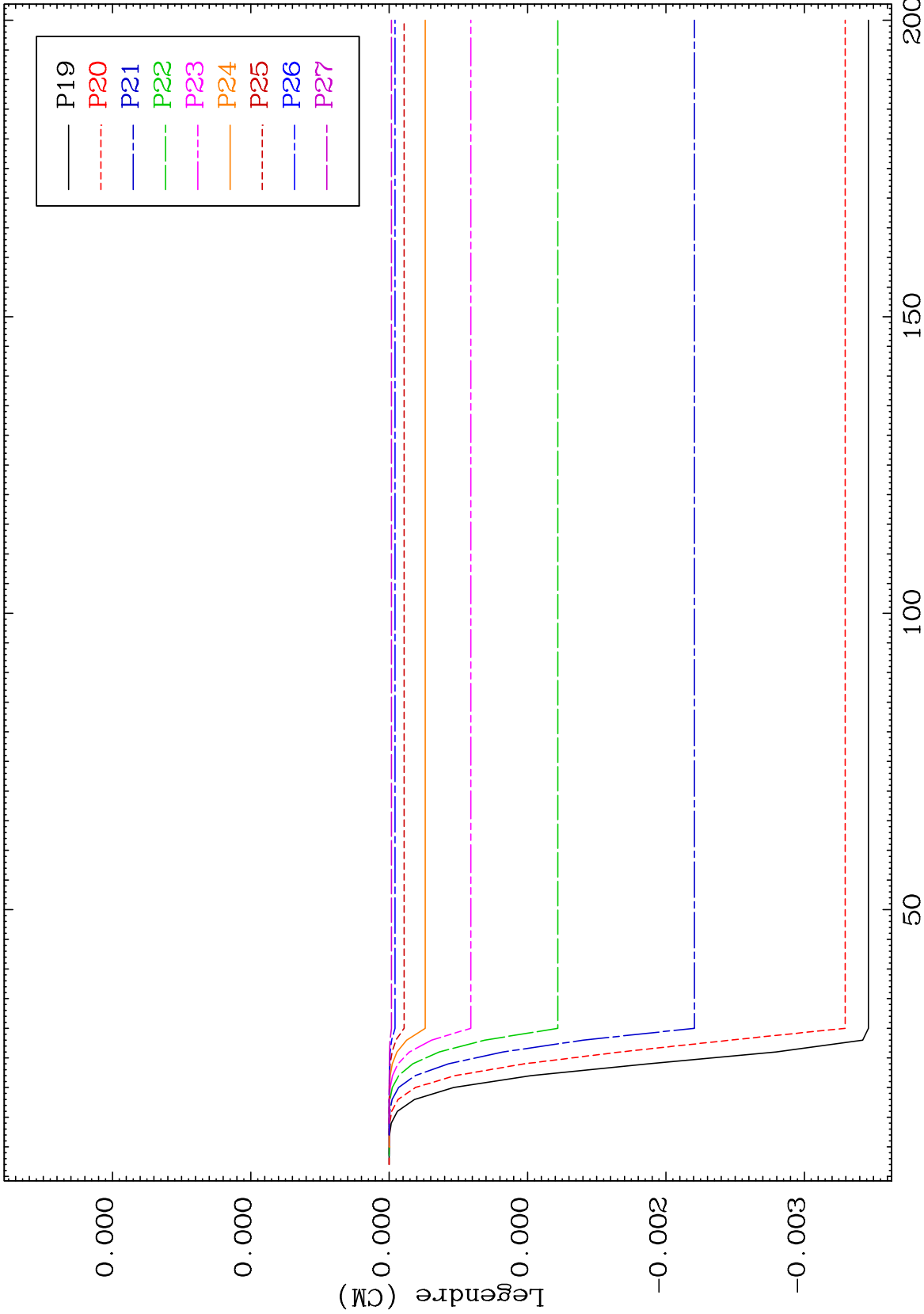
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



130

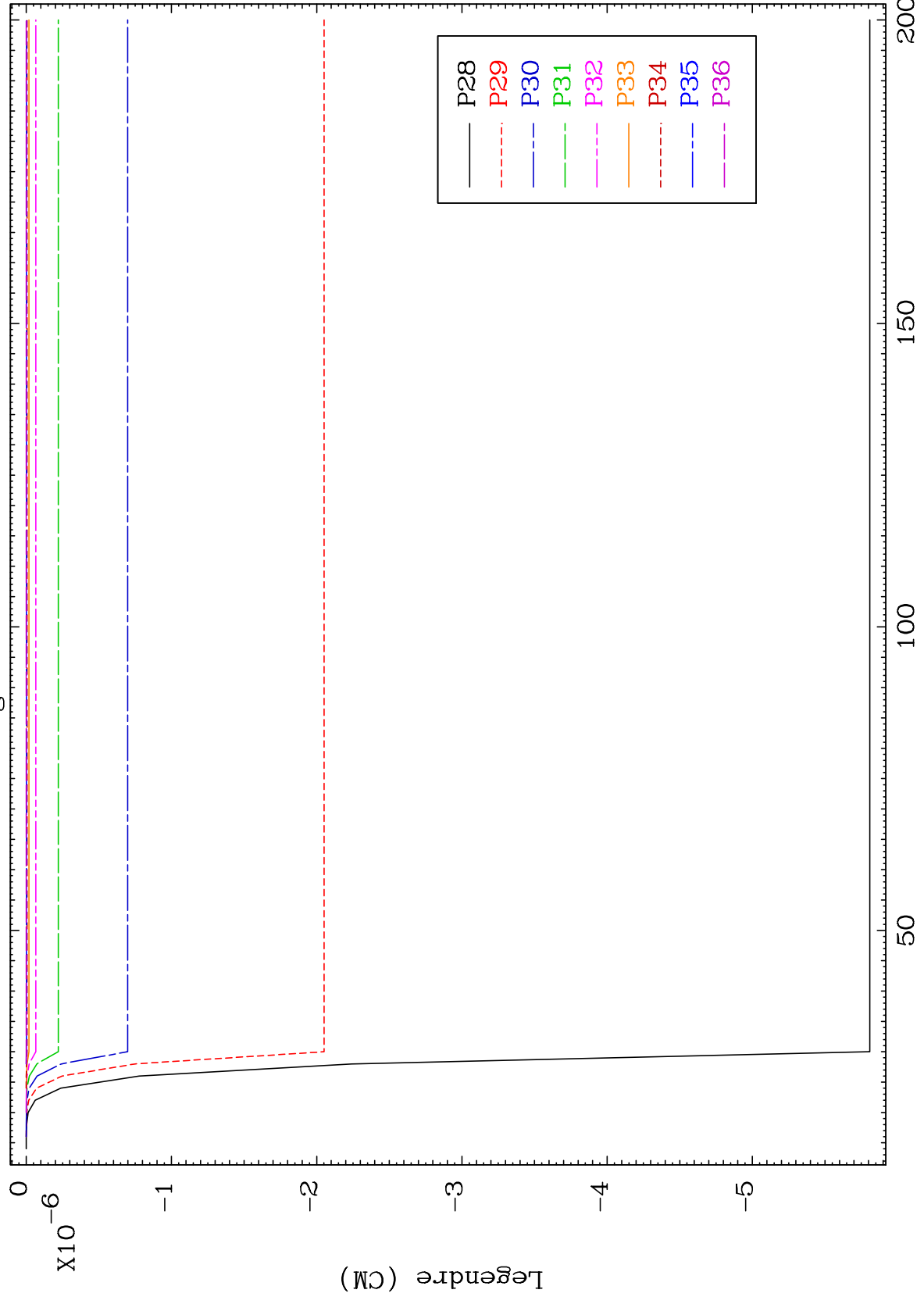
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



62-Sm-154

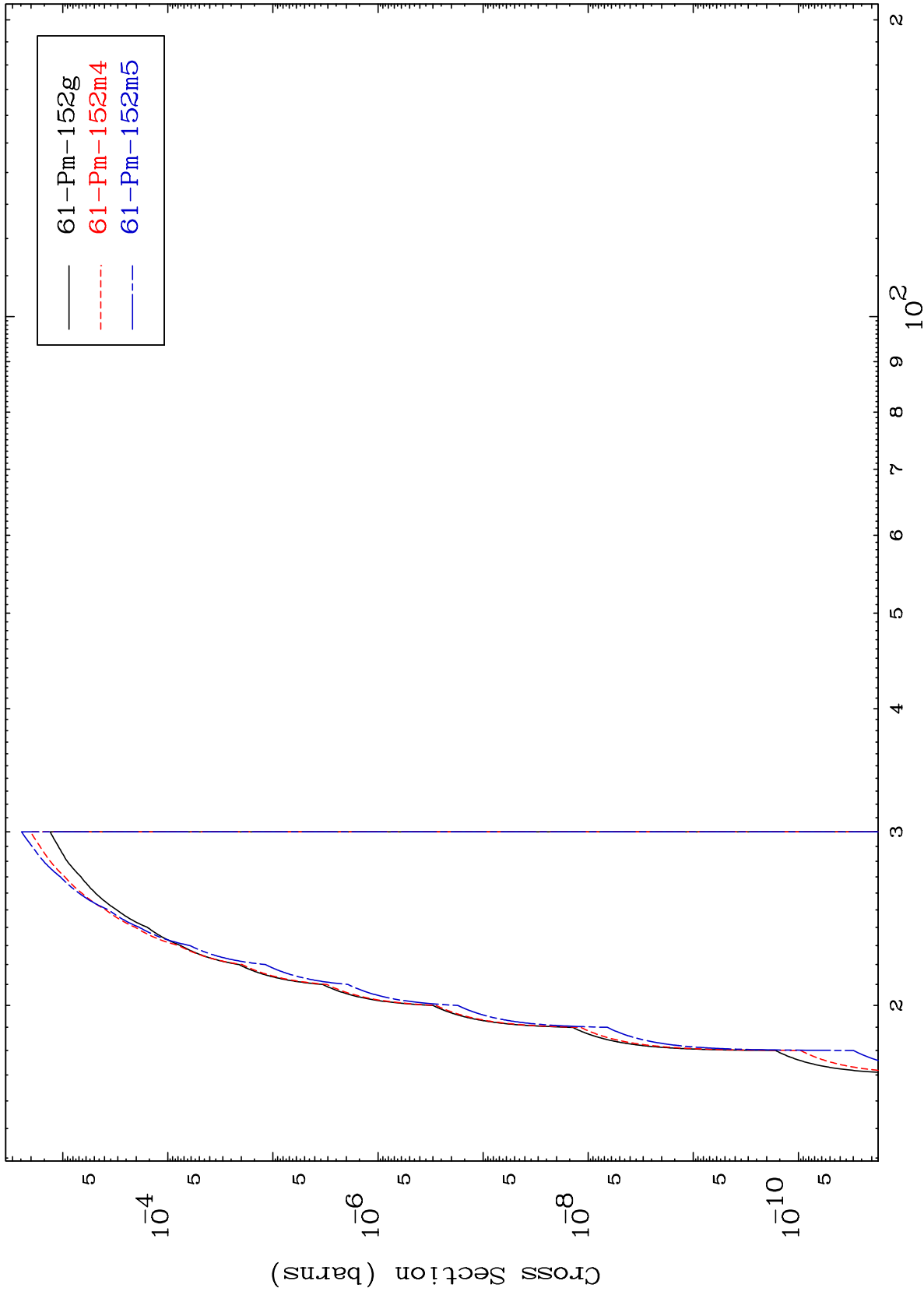
131

MAT 6255

(n,n') d

62-Sm-154

Radionuclide Production Cross Section



132

Incident Energy (MeV)

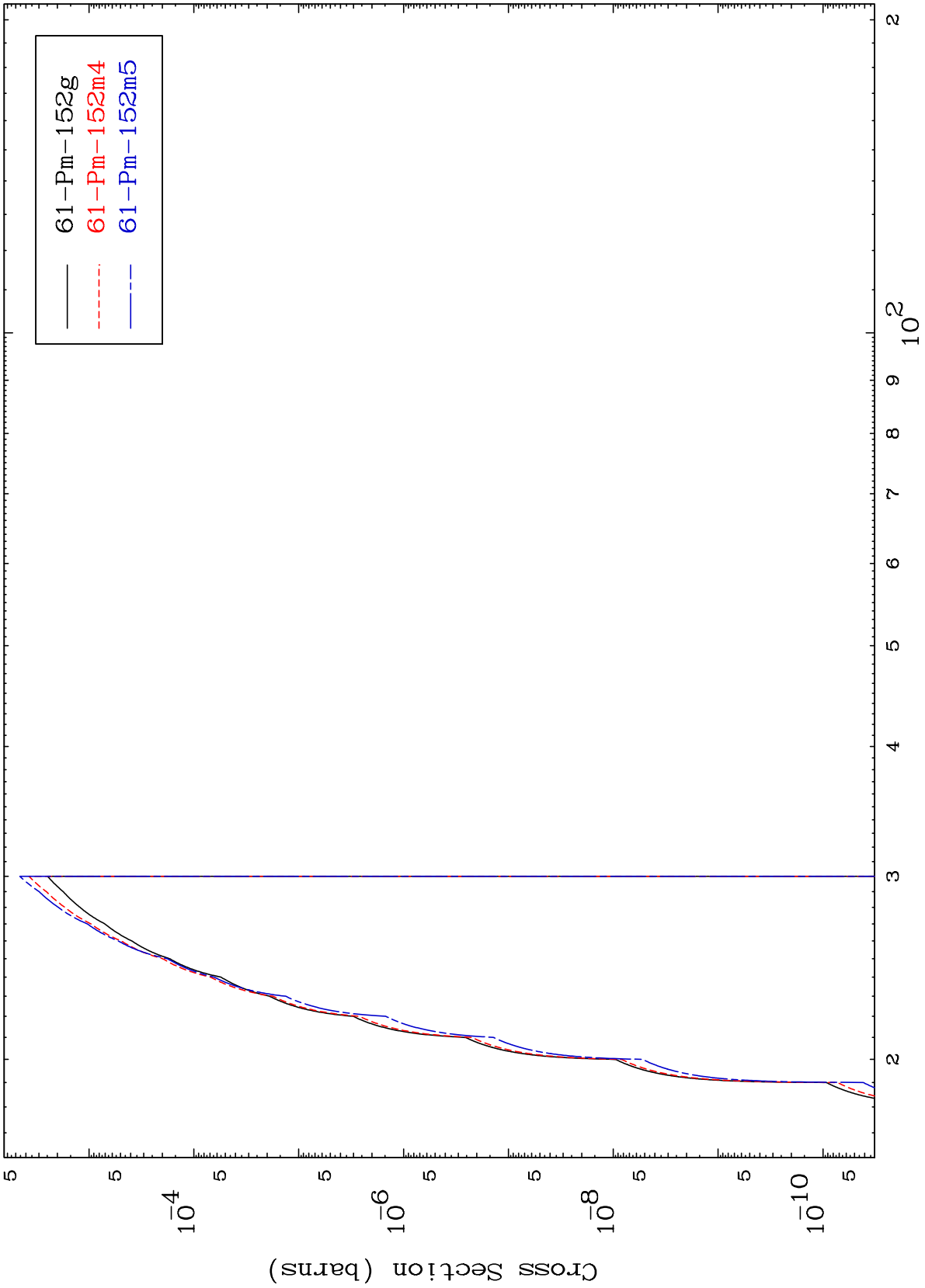
62-Sm-154

MAT 6255

(n,2n) p

62-Sm-154

Radionuclide Production Cross Section



133

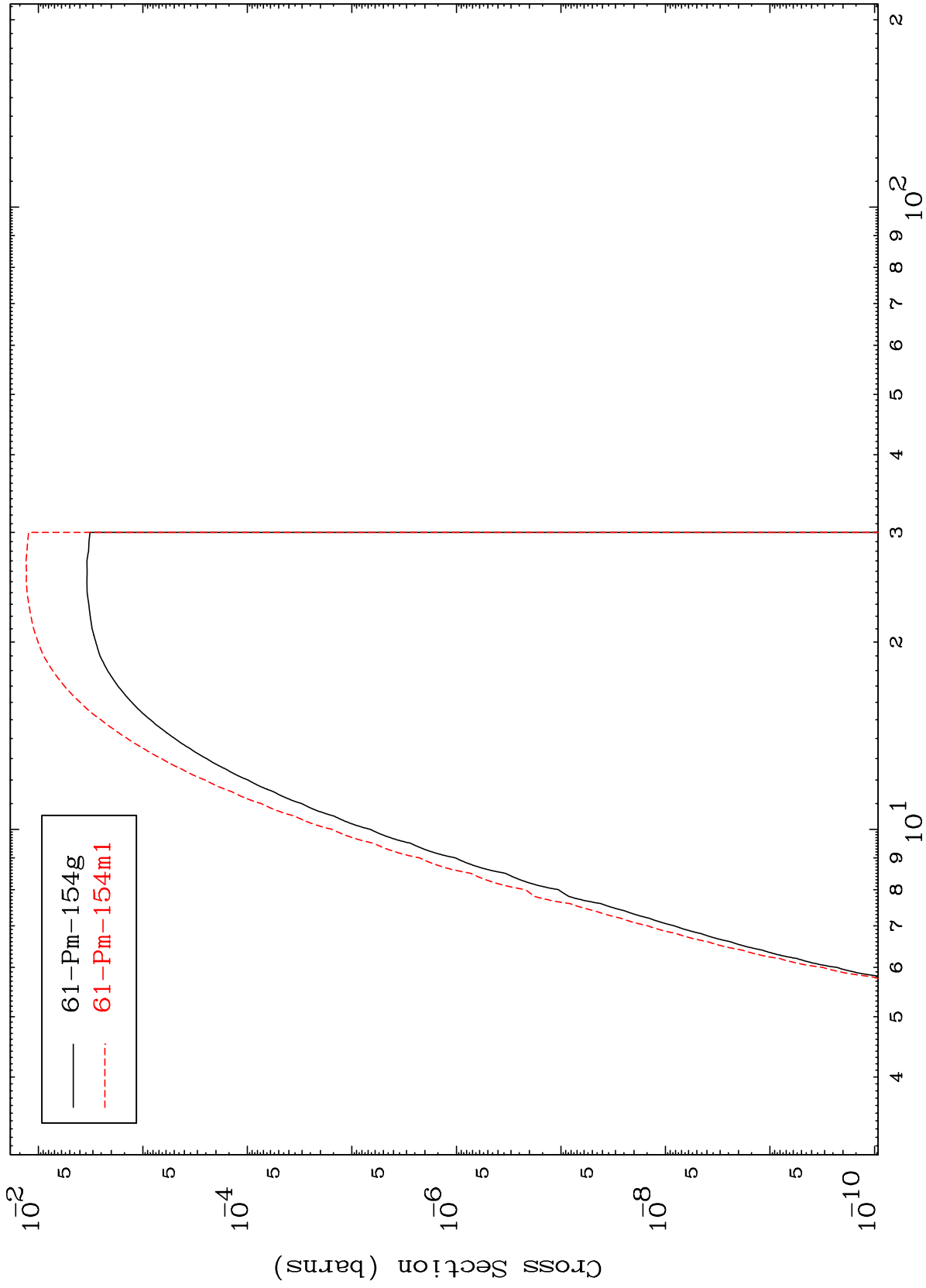
Incident Energy (MeV)

62-Sm-154

MAT 6255

62-Sm-154

(n,p)
Radionuclide Production Cross Section



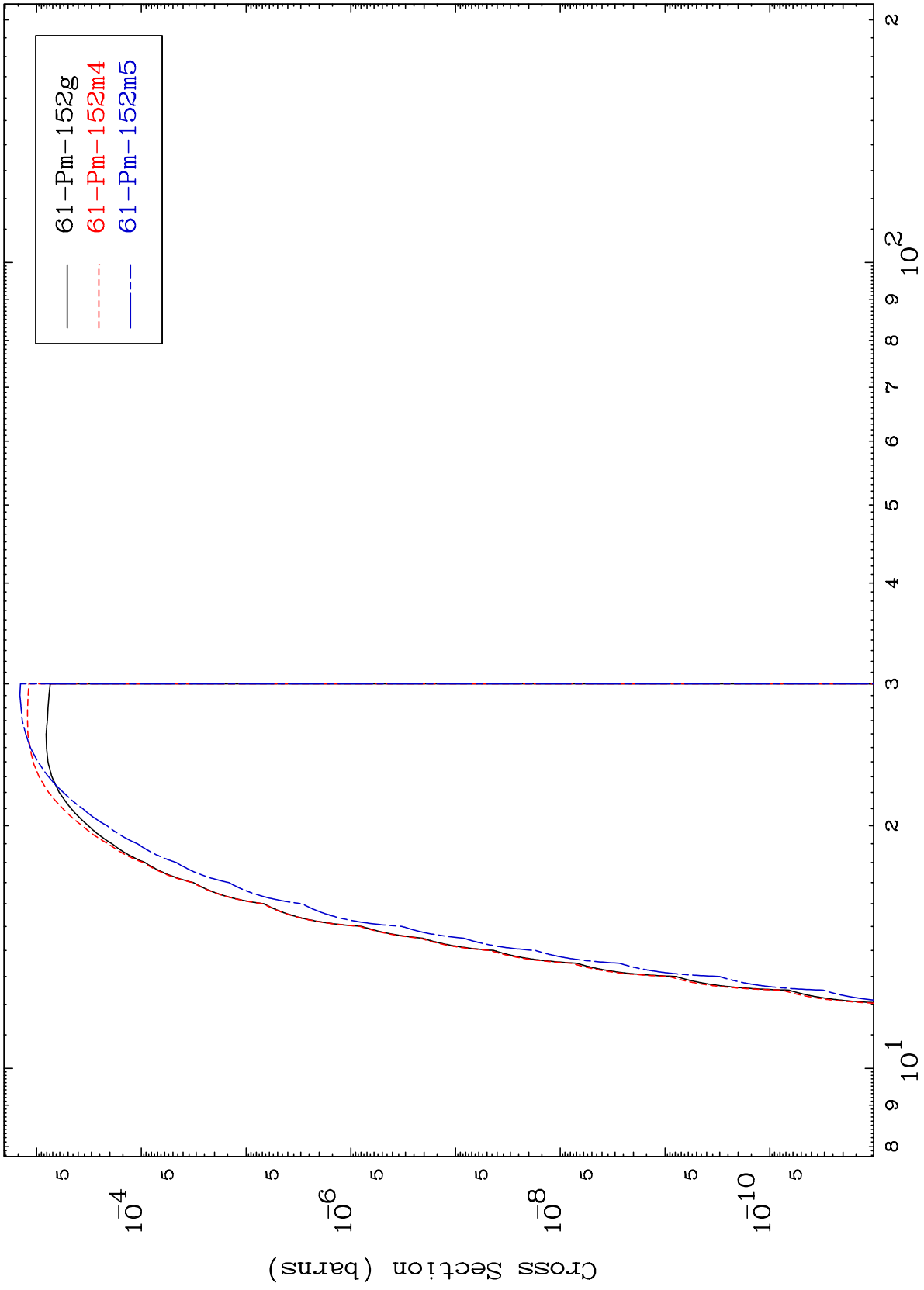
134

62-Sm-154

MAT 6255

62-Sm-154

(n, t)
Radionuclide Production Cross Section



135

Incident Energy (MeV)

62-Sm-154