

Program EVALPLOT  
(Version 2018-1)

by

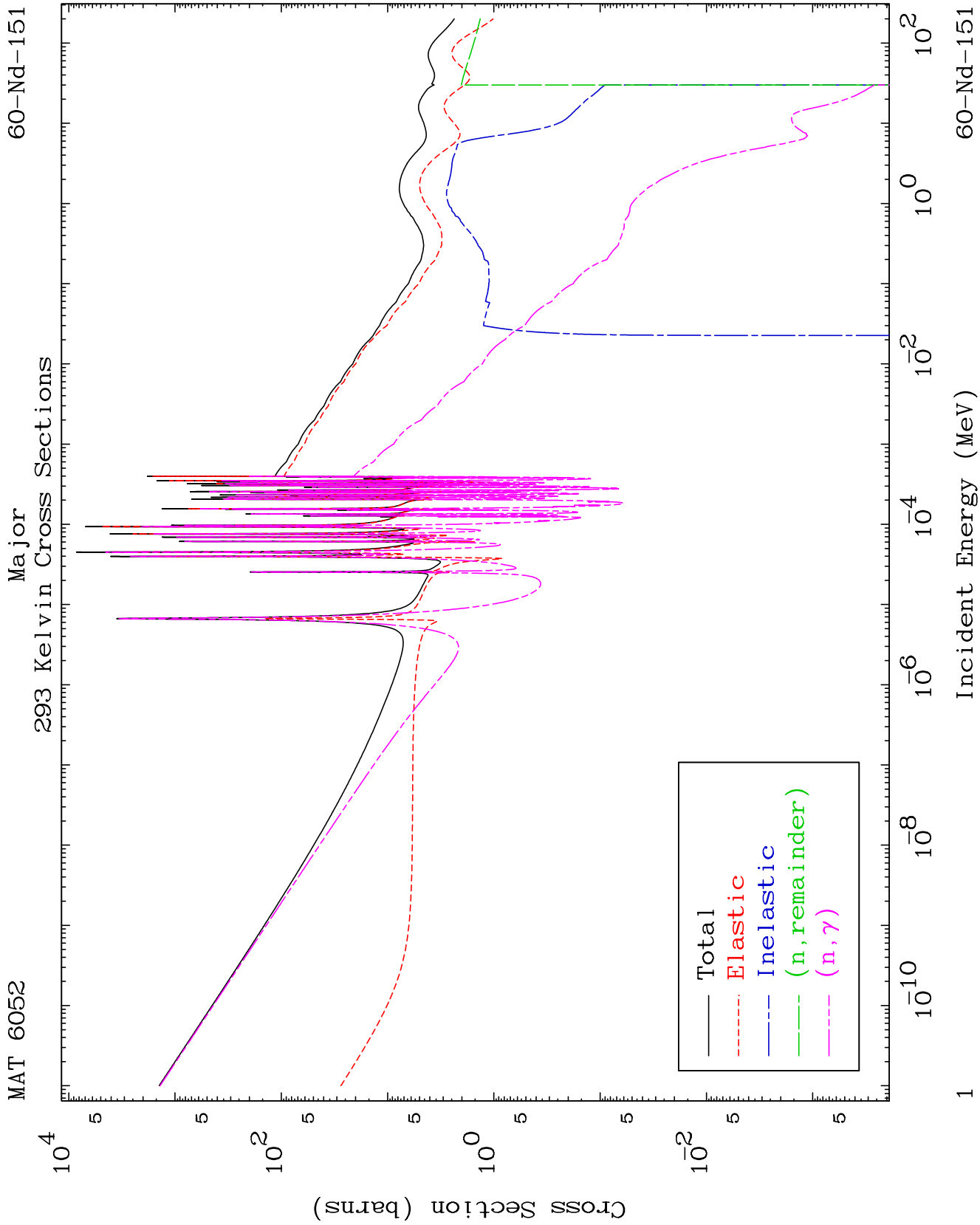
Dermott E. Cullen  
(Present Contact Information)

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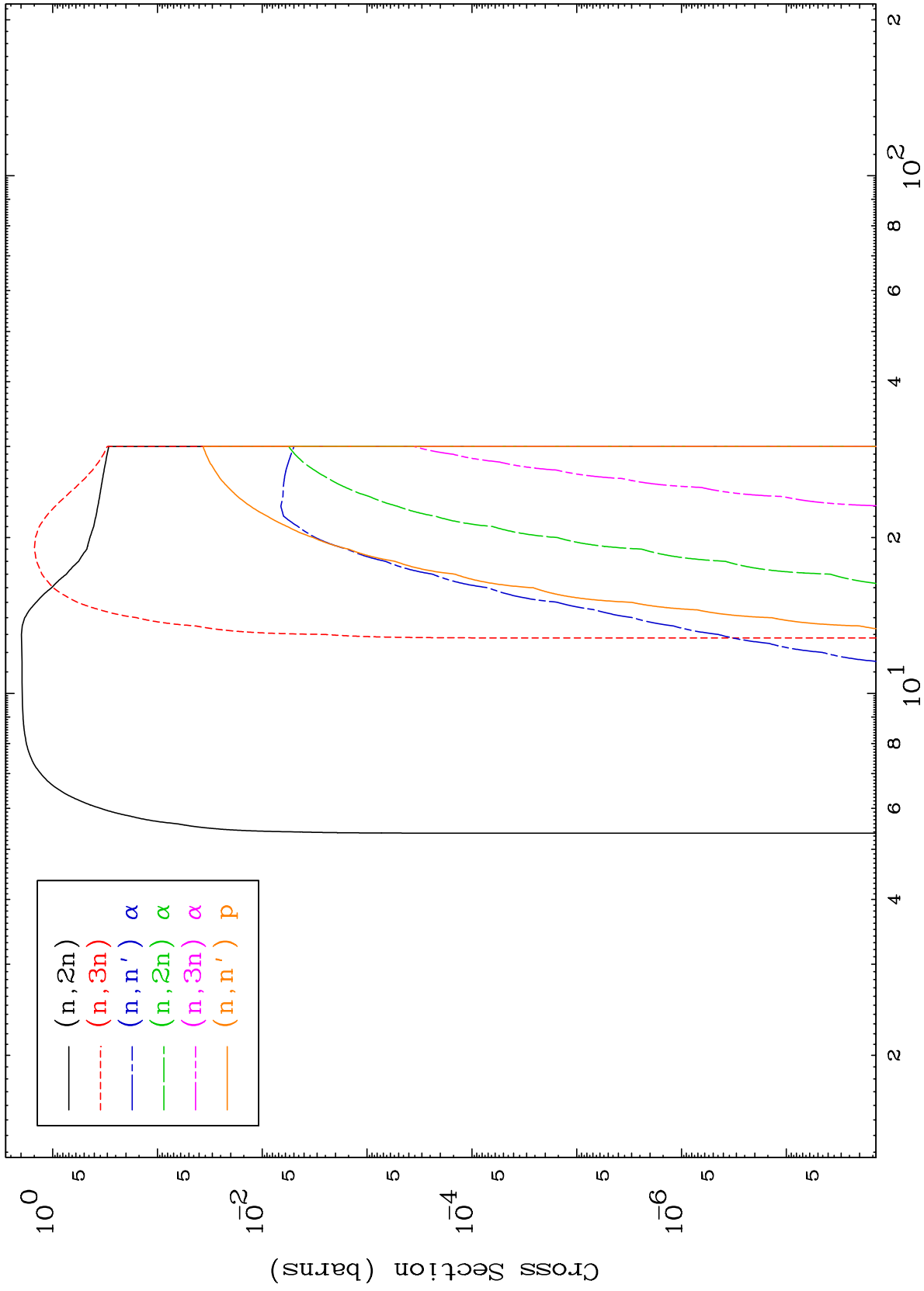
Press Mouse Button to Start



MAT 6052

### Neutron Production 293 Kelvin Cross Sections

60-Nd-151



2

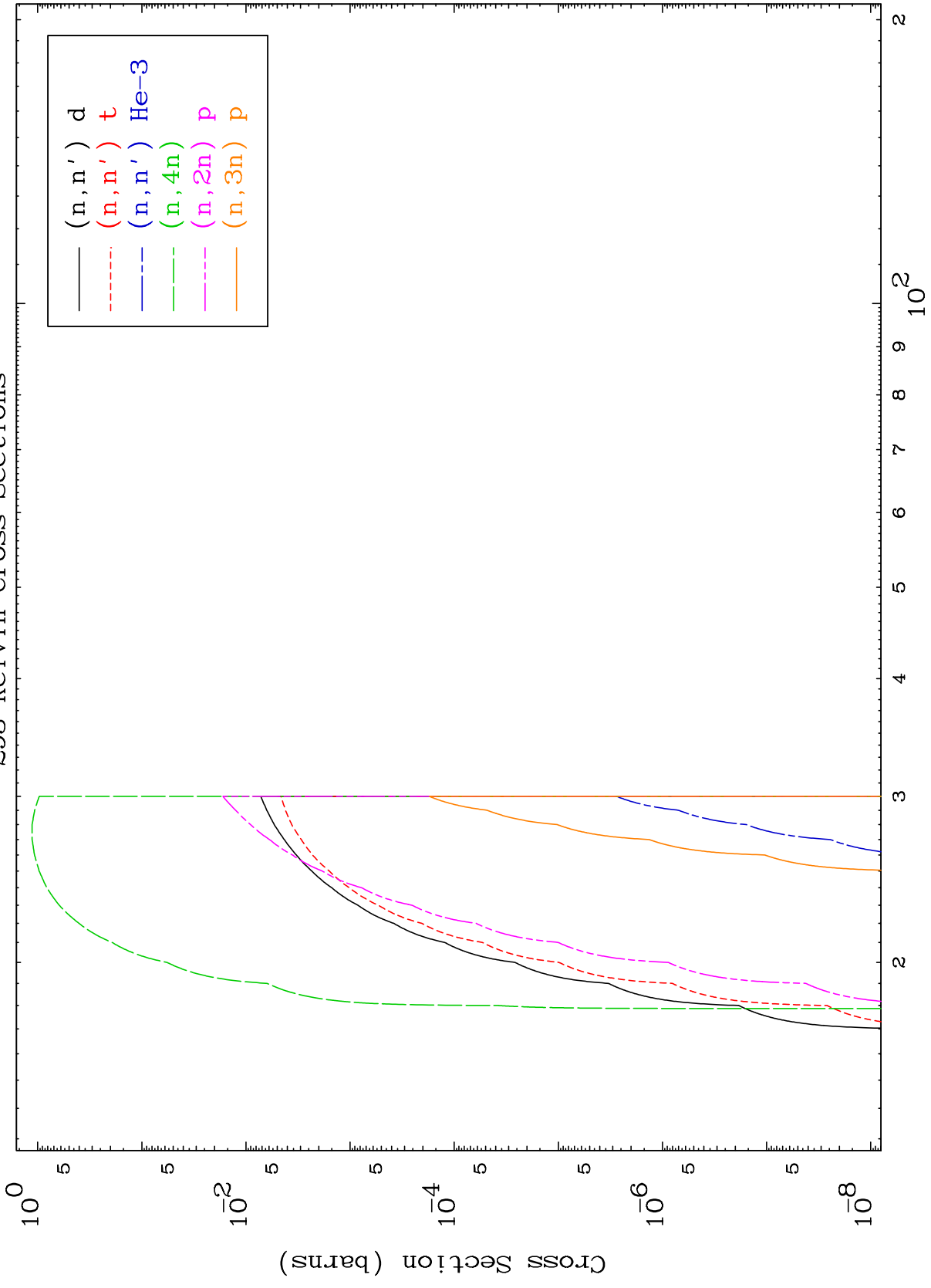
Incident Energy (MeV)

60-Nd-151

MAT 6052

Neutron Production  
293 Kelvin Cross Sections

60-Nd-151



3

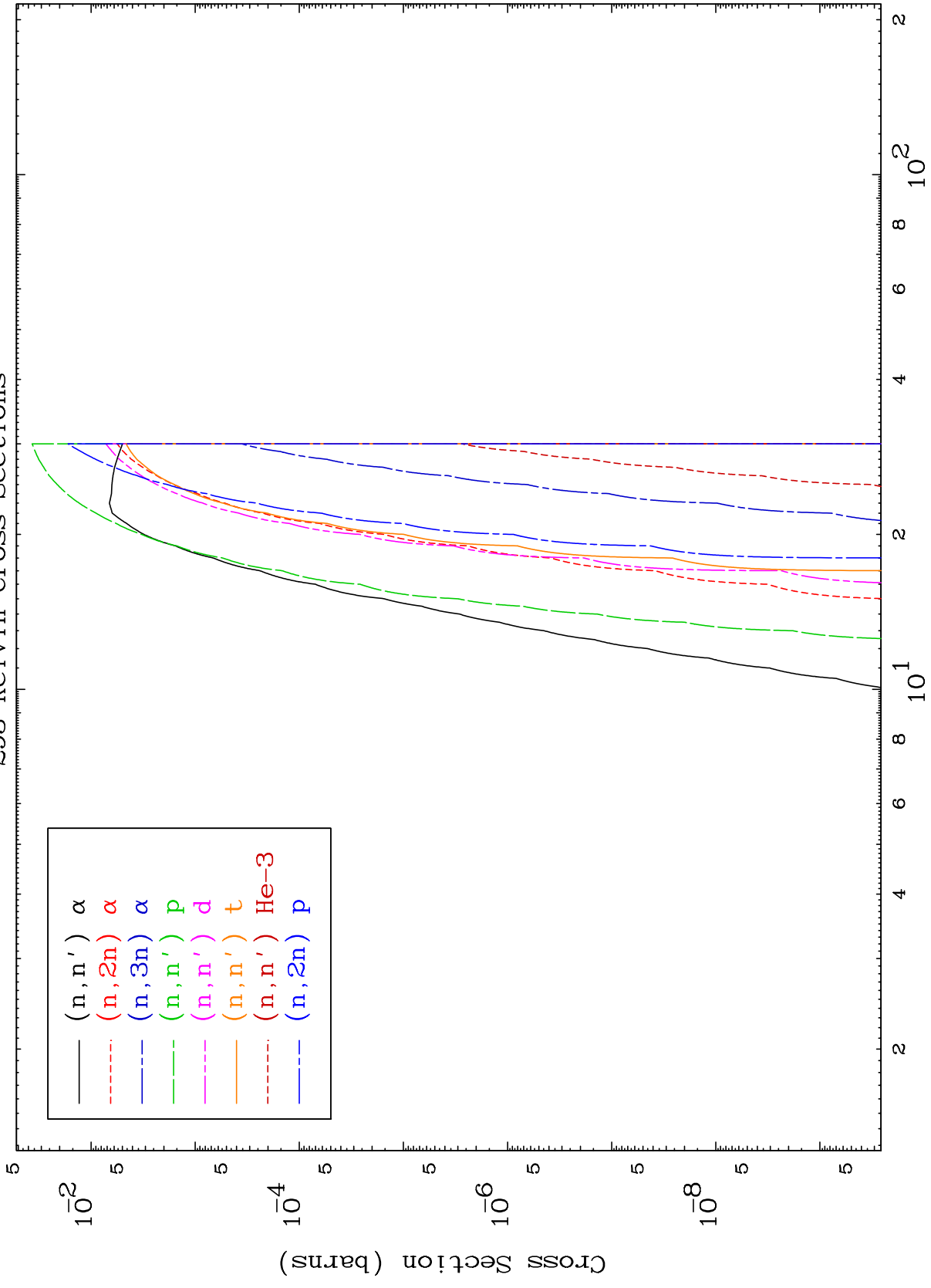
Incident Energy (MeV)

60-Nd-151

MAT 6052

293 Kelvin Cross Sections

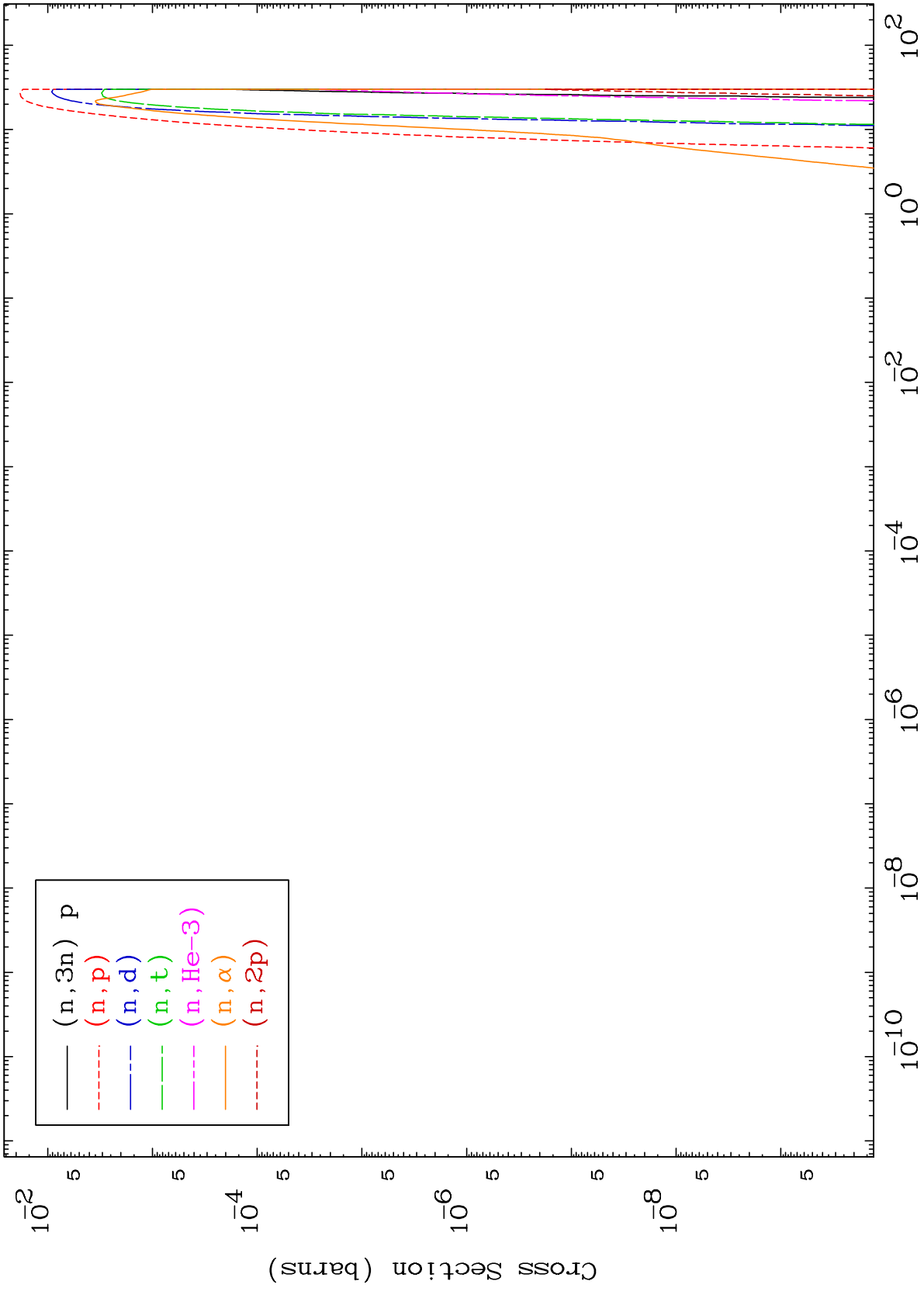
60-Nd-151



MAT 6052

Charged Particle  
293 Kelvin Cross Sections

60-Nd-151

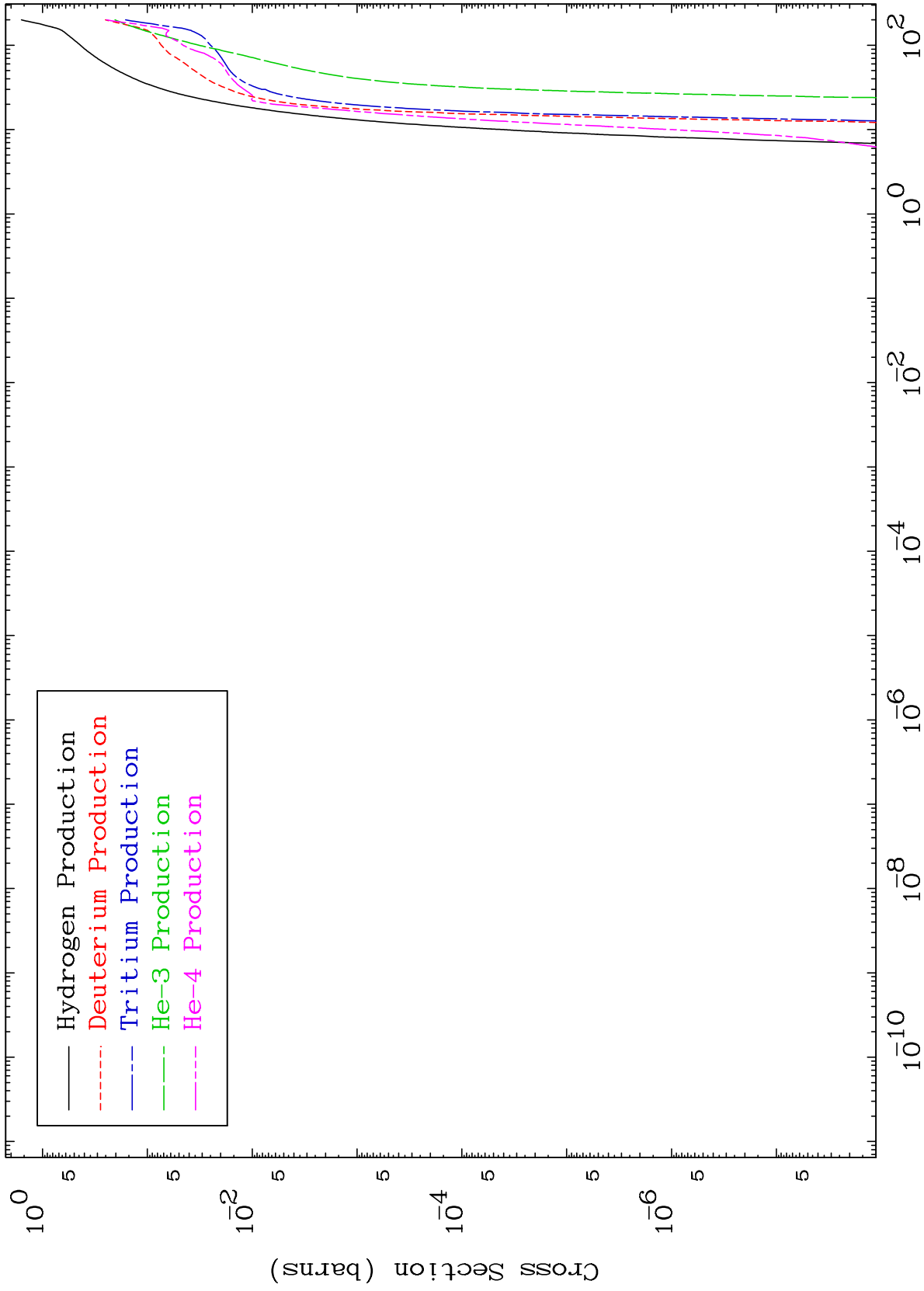


60-Nd-151

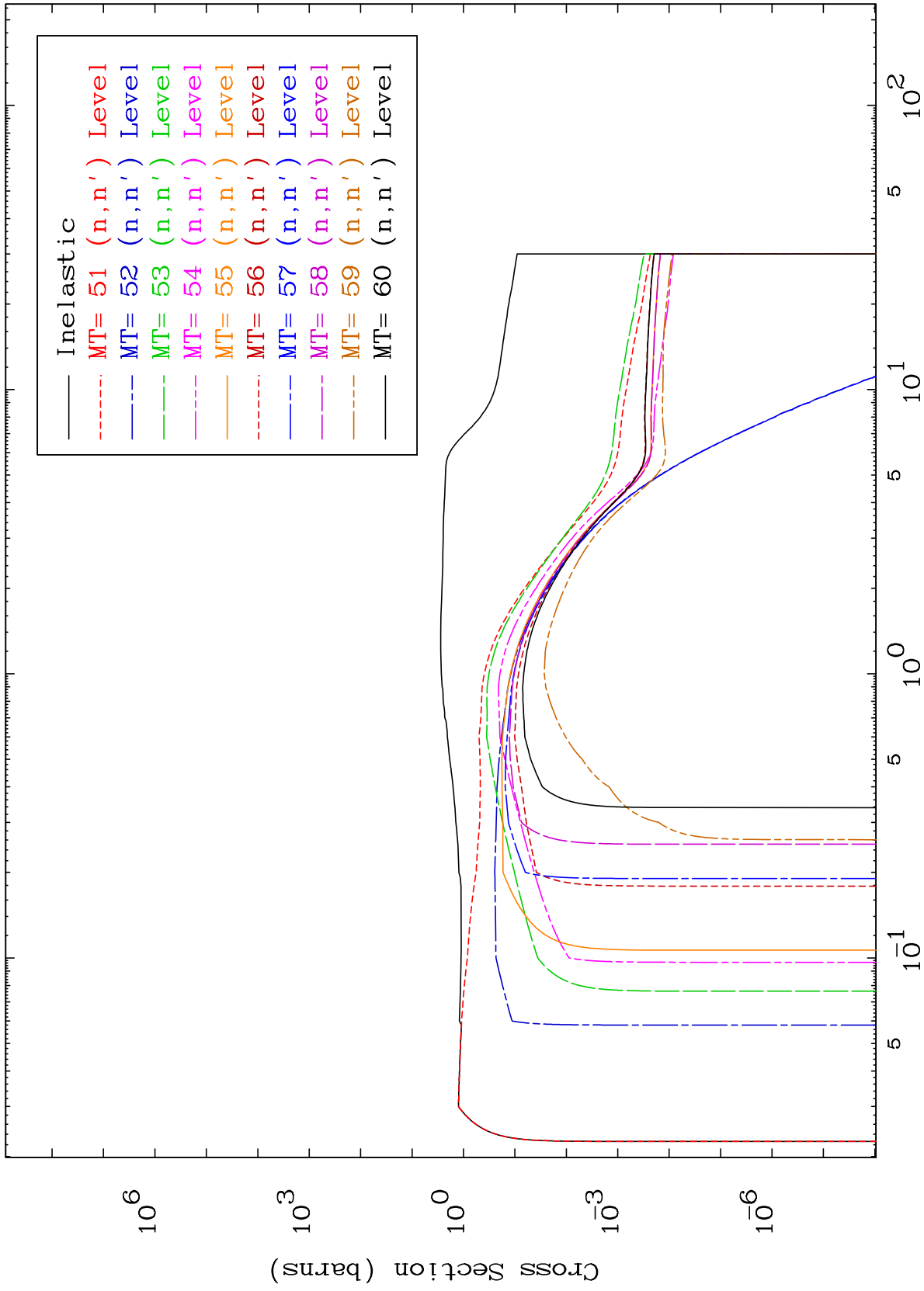
MAT 6052

Particle Production  
293 Kelvin Cross Sections

60-Nd-151



293 Kelvin Cross Sections

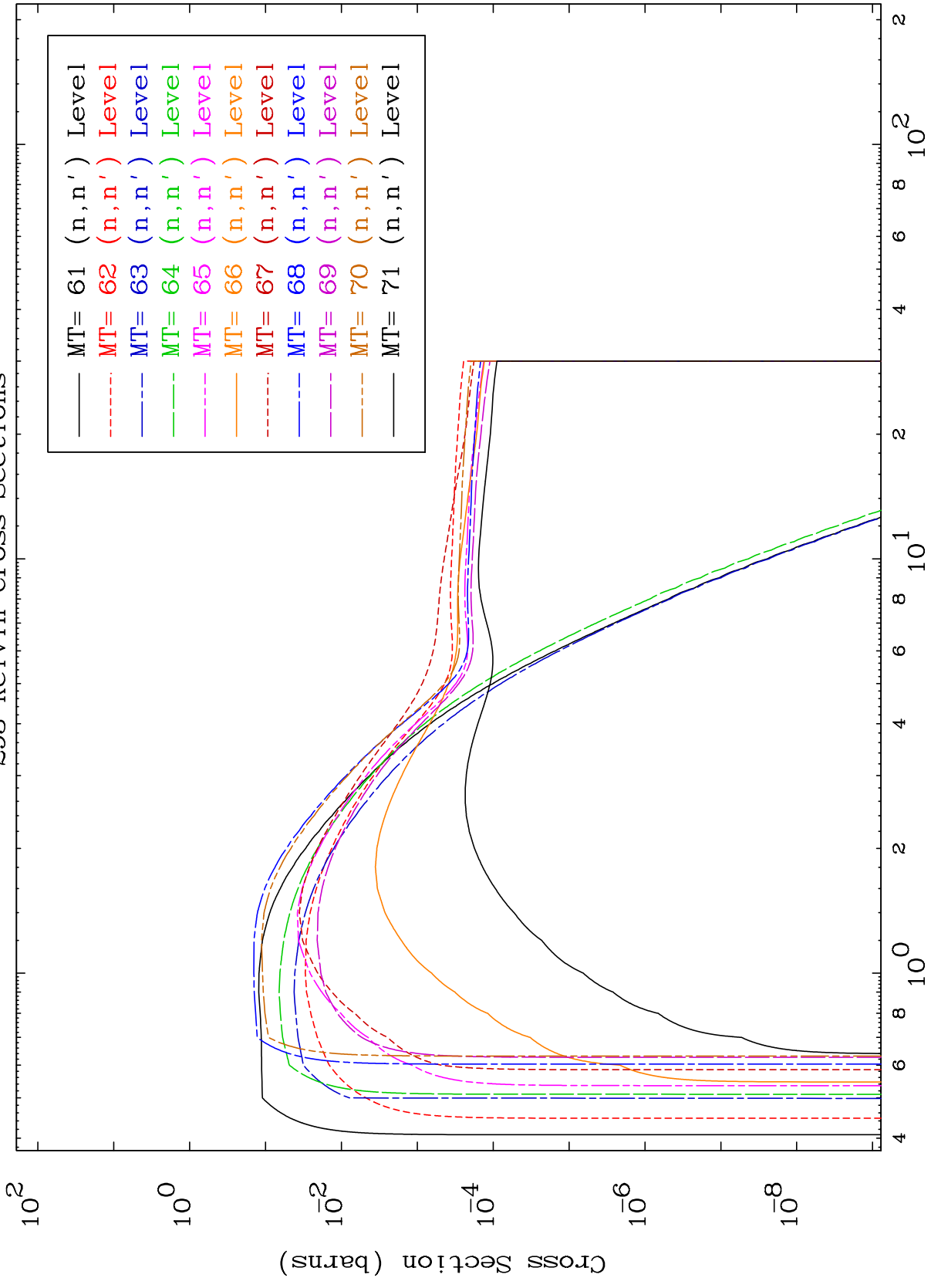




MAT 6052

(n,n') Level  
293 Kelvin Cross Sections

60-Nd-151



8

Incident Energy (MeV)

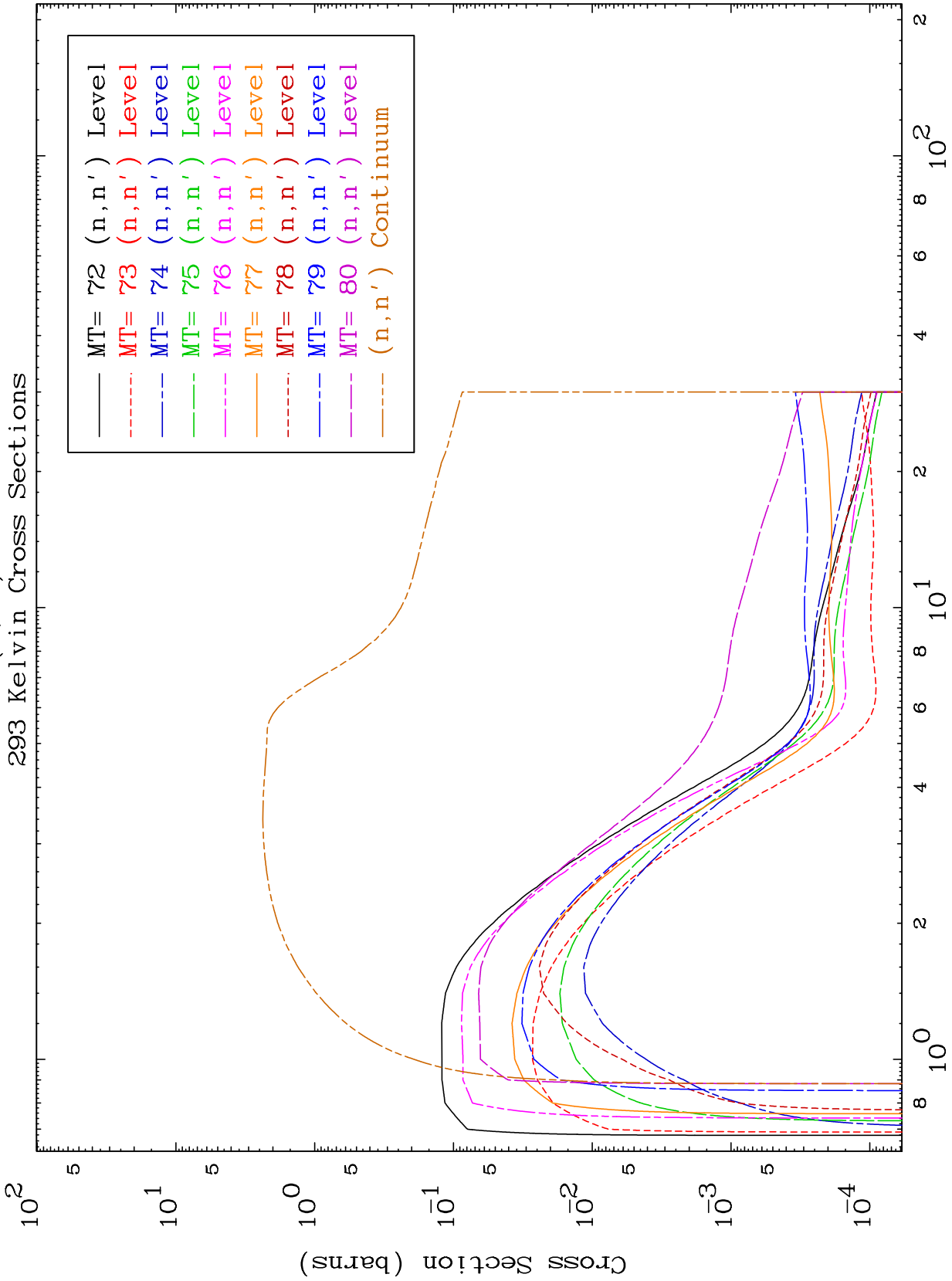
60-Nd-151

MAT 6052

(n,n') Level

293 Kelvin Cross Sections

60-Nd-151



60-Nd-151

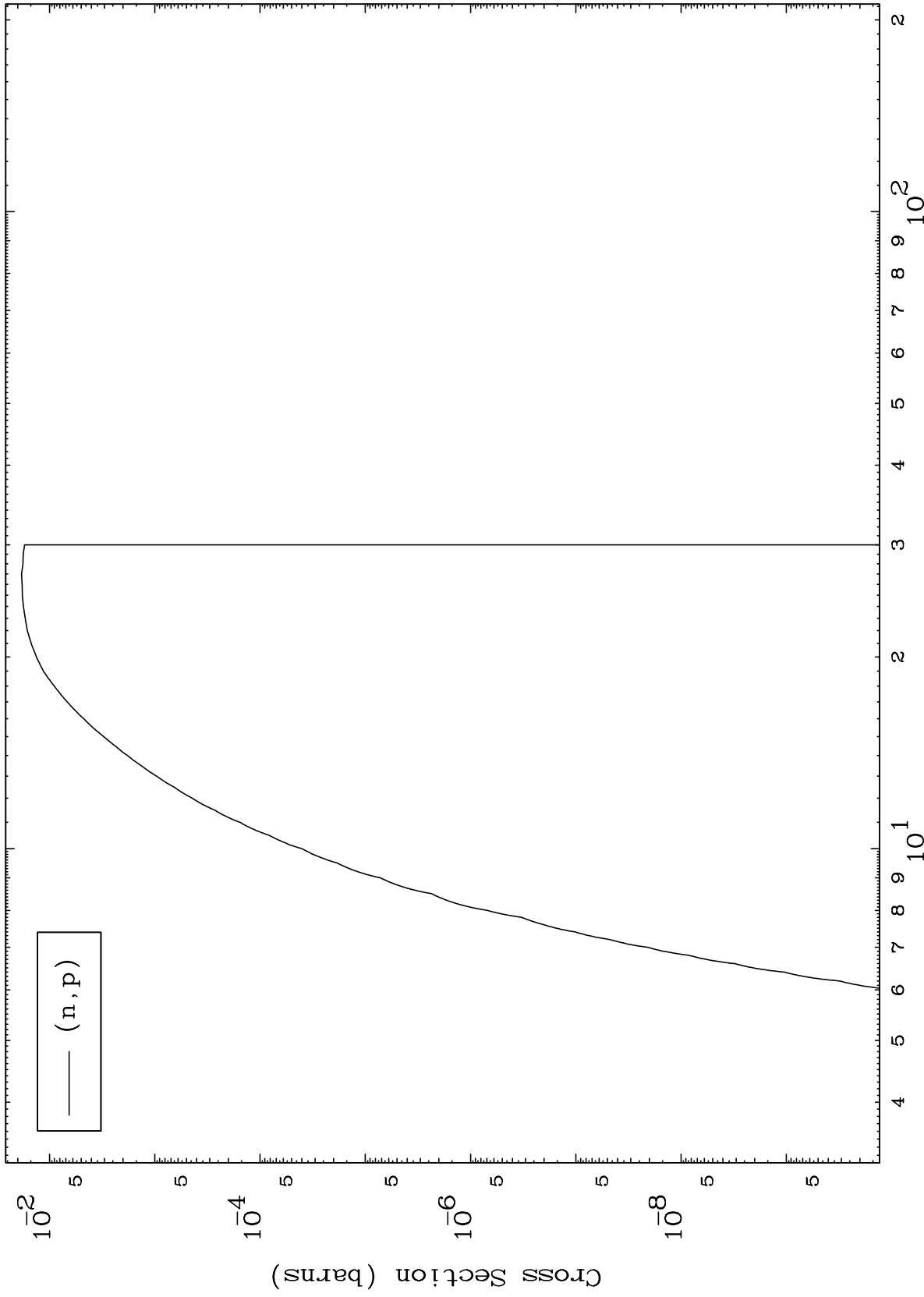
Incident Energy (MeV)

9

MAT 6052

(n,p) Levels  
293 Kelvin Cross Sections

60-Nd-151



(n,p)

10

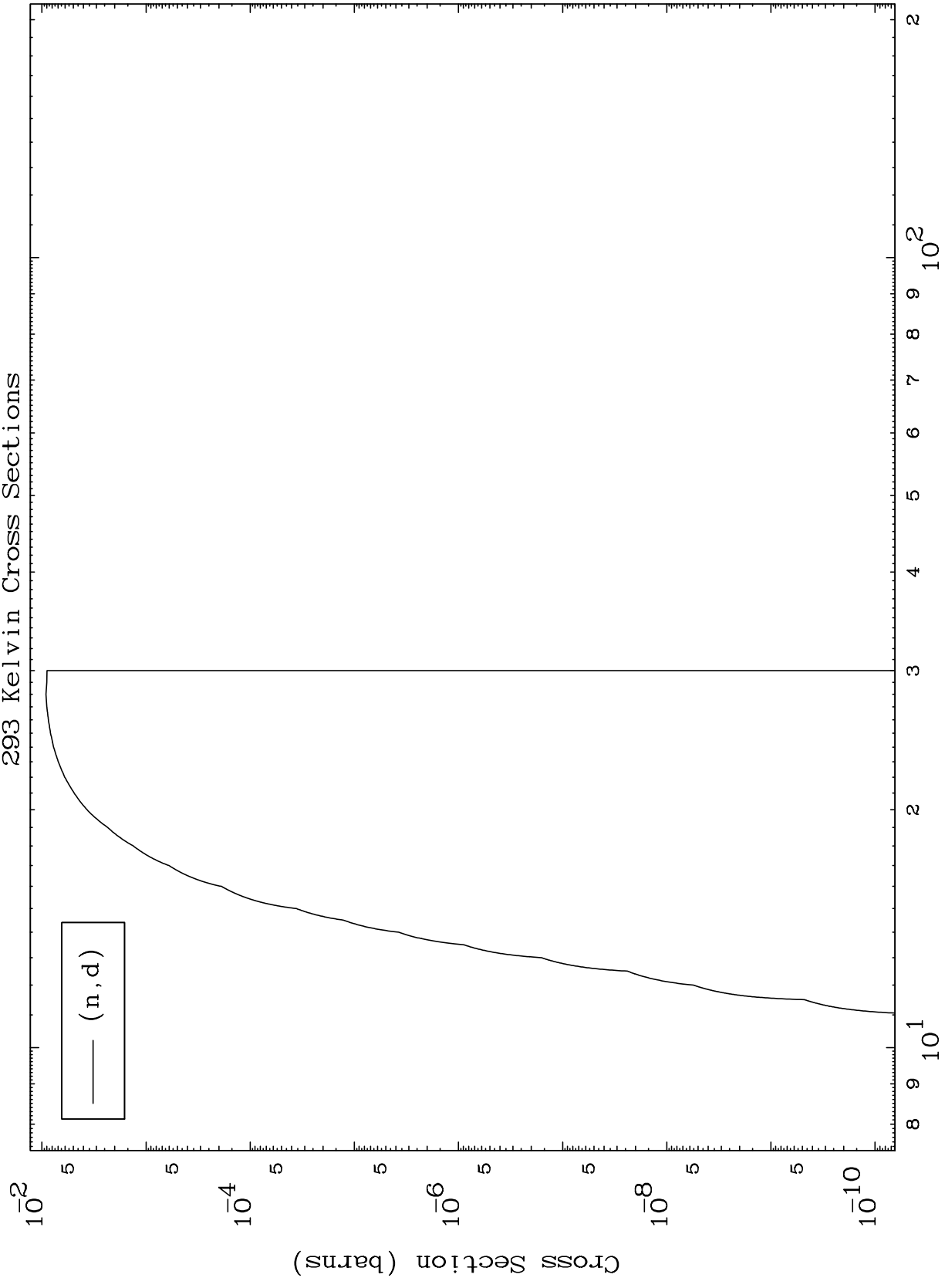
Incident Energy (MeV)

60-Nd-151

MAT 6052

(n,d) Levels  
293 Kelvin Cross Sections

60-Nd-151



11

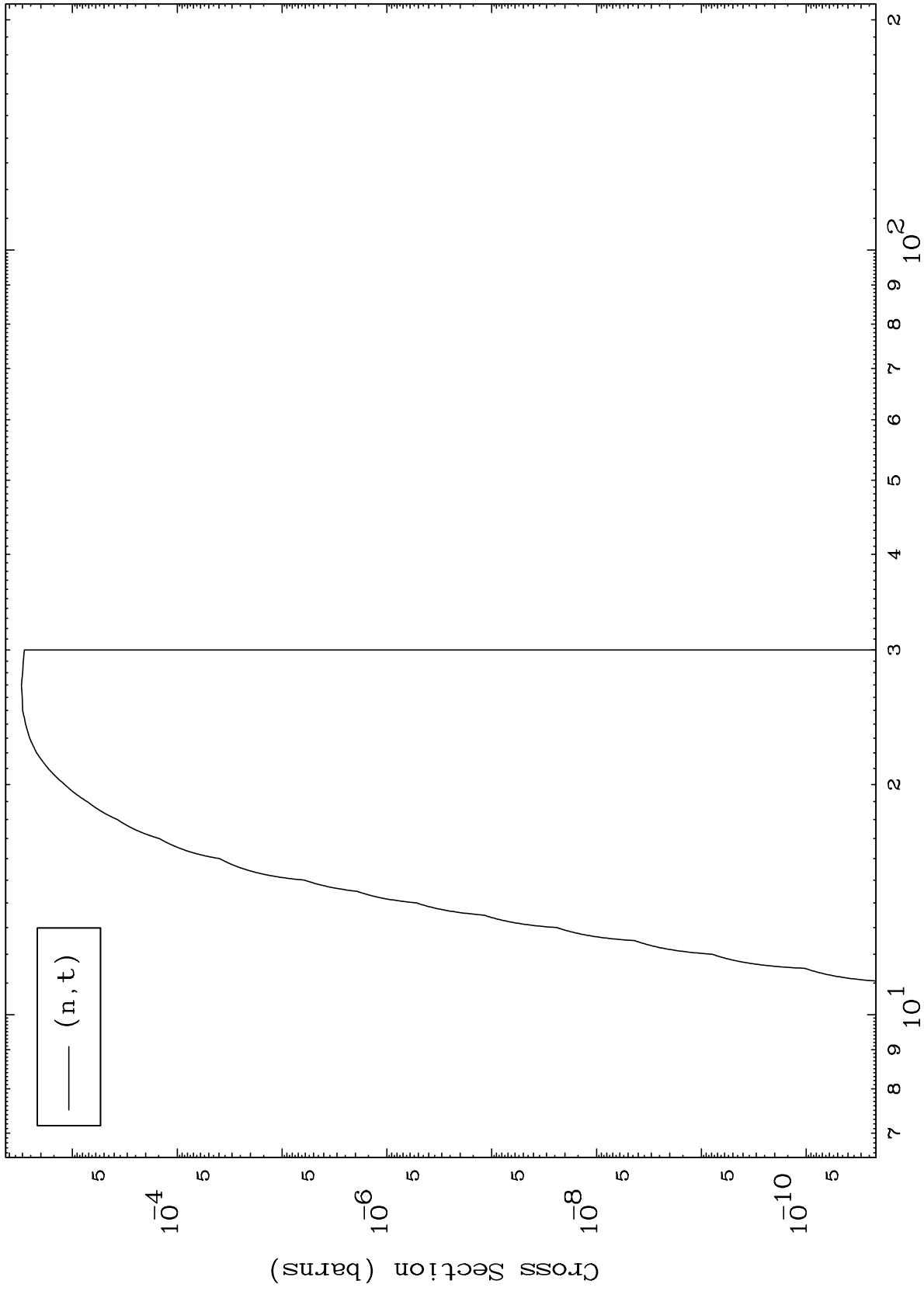
Incident Energy (MeV)

60-Nd-151

MAT 6052

(n,t) Levels  
293 Kelvin Cross Sections

60-Nd-151



12

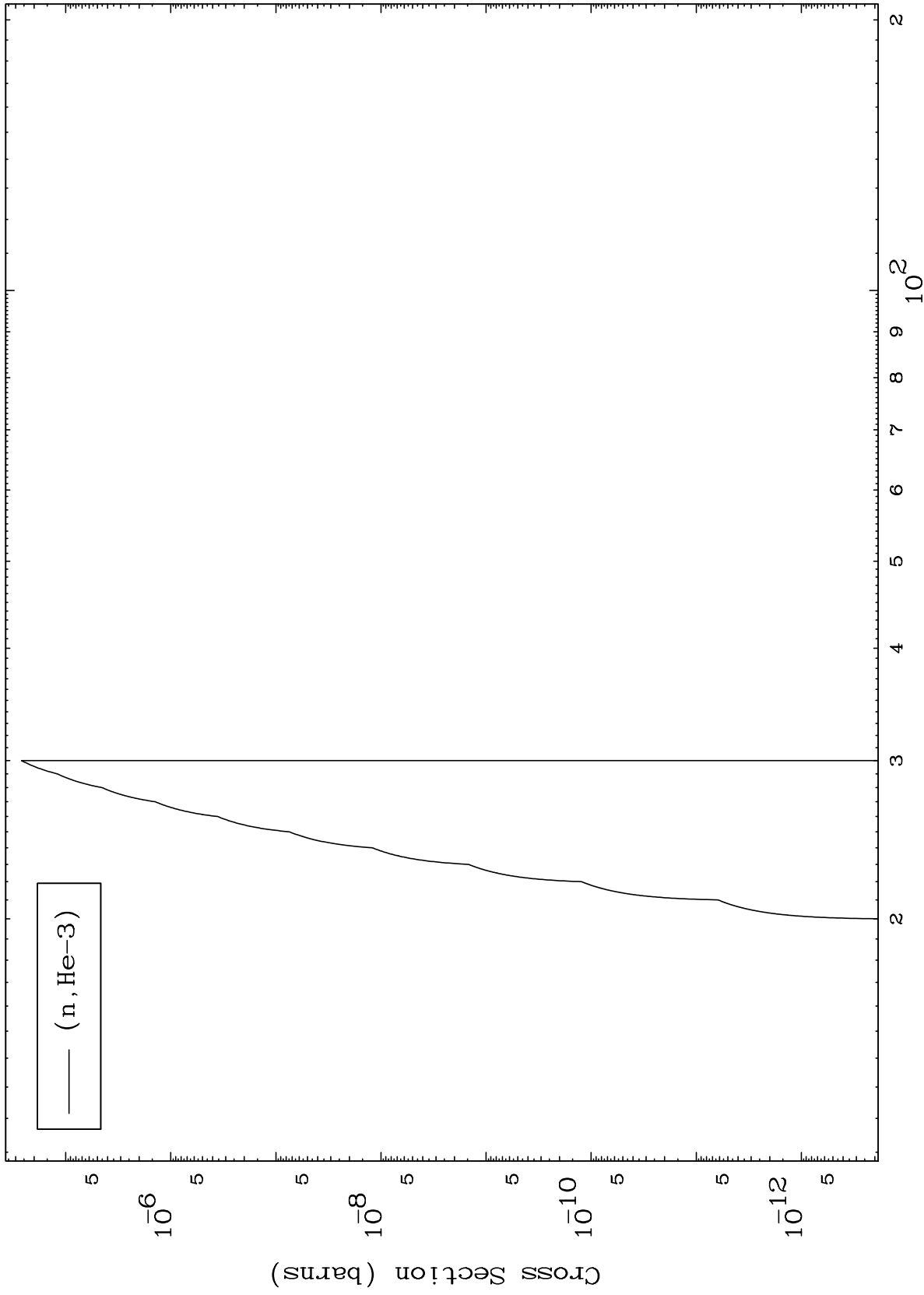
Incident Energy (MeV)

60-Nd-151

MAT 6052

(n,He3) Levels  
293 Kelvin Cross Sections

60-Nd-151



13

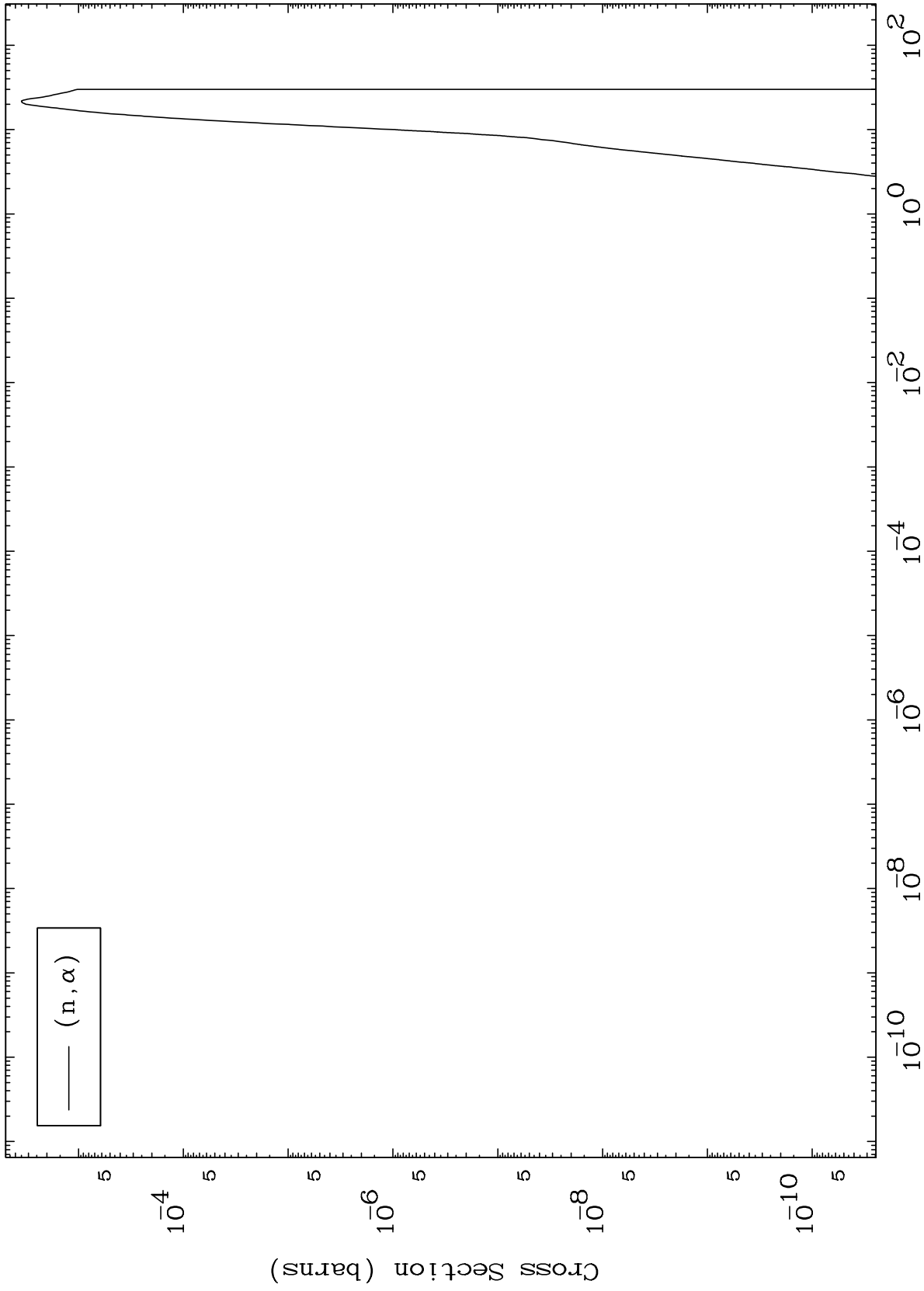
Incident Energy (MeV)

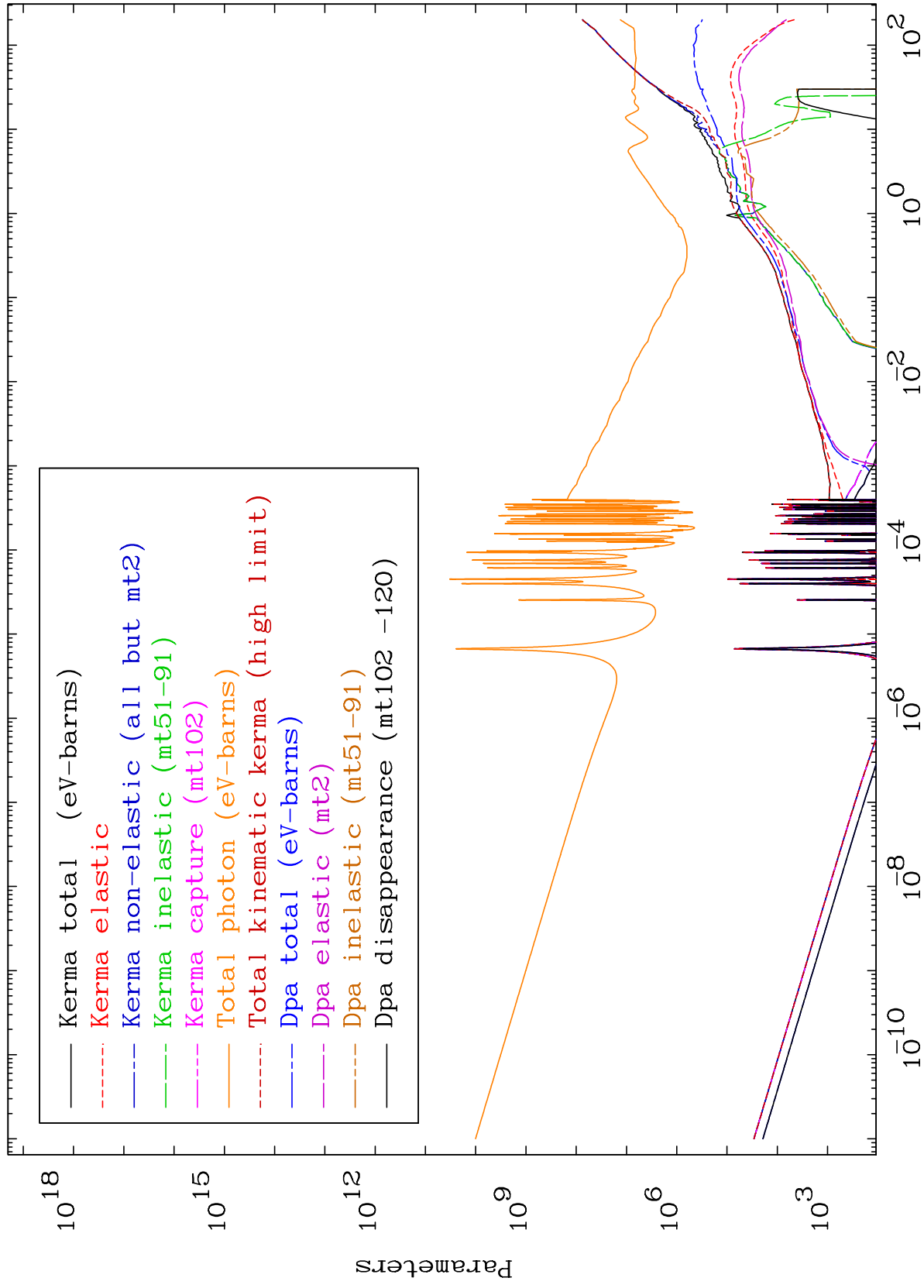
60-Nd-151

MAT 6052

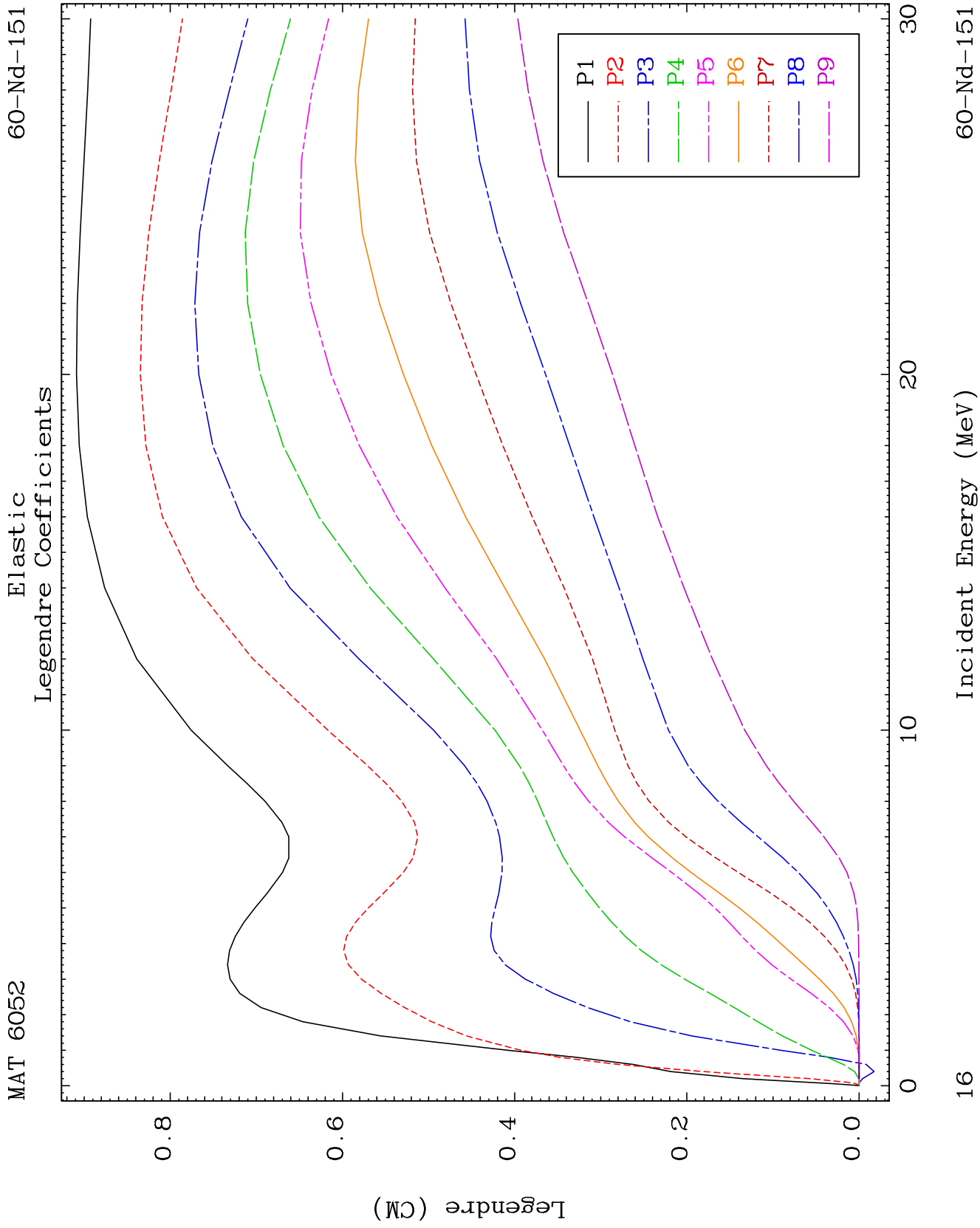
(n,α) Levels  
293 Kelvin Cross Sections

60-Nd-151





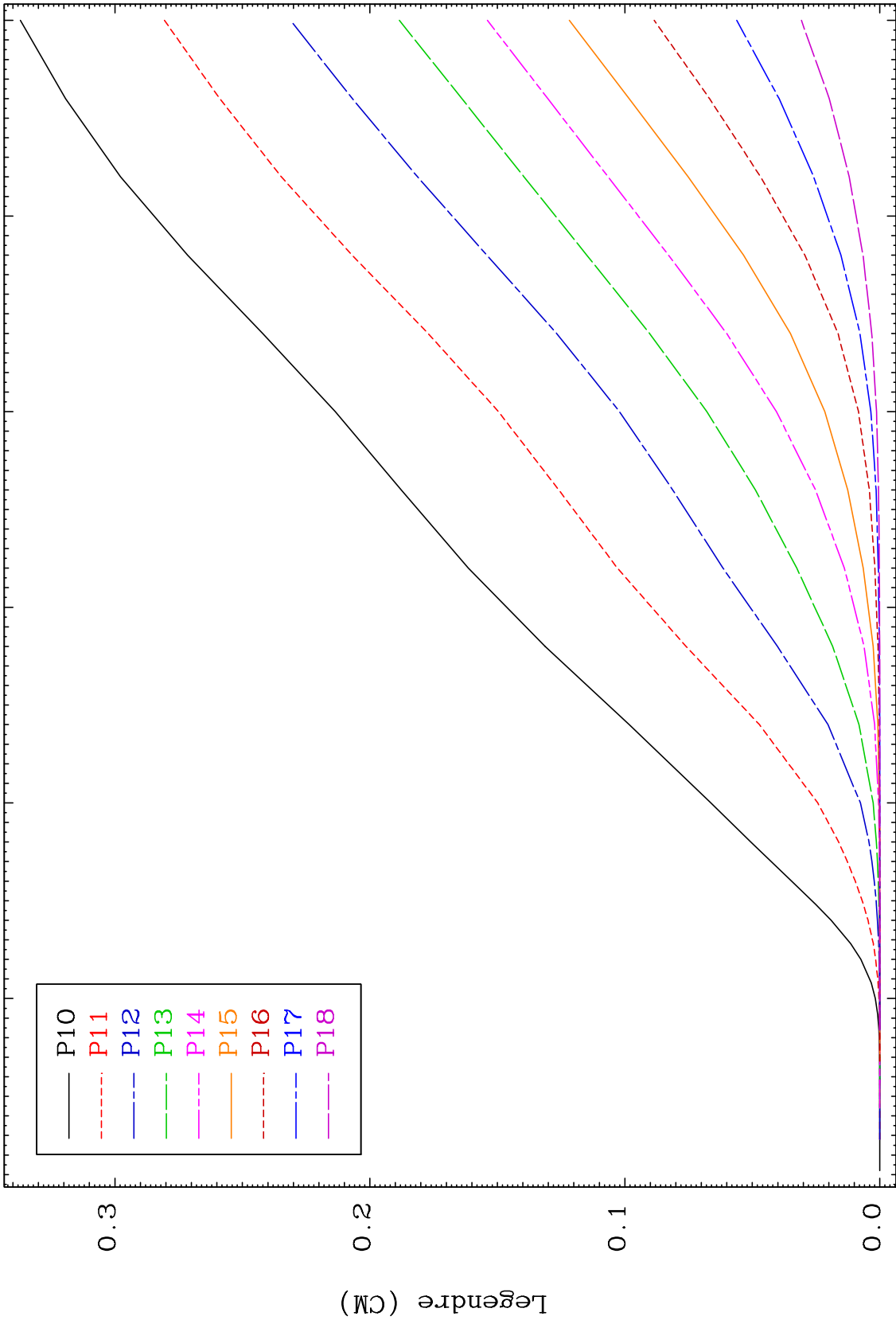




MAT 6052

Elastic Legendre Coefficients

60-Nd-151



17

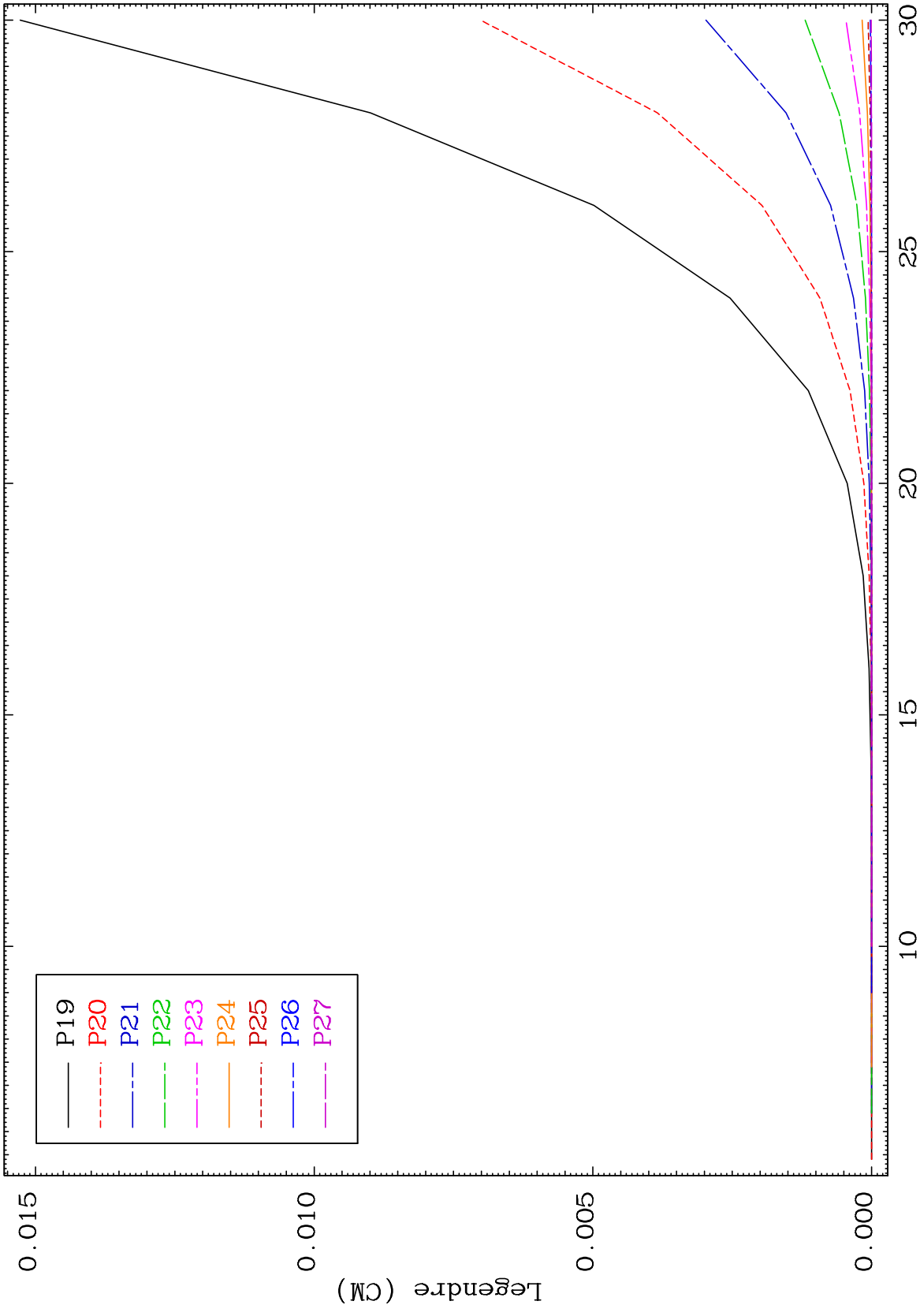
Incident Energy (MeV)

60-Nd-151

MAT 6052

Elastic Legendre Coefficients

60-Nd-151



18

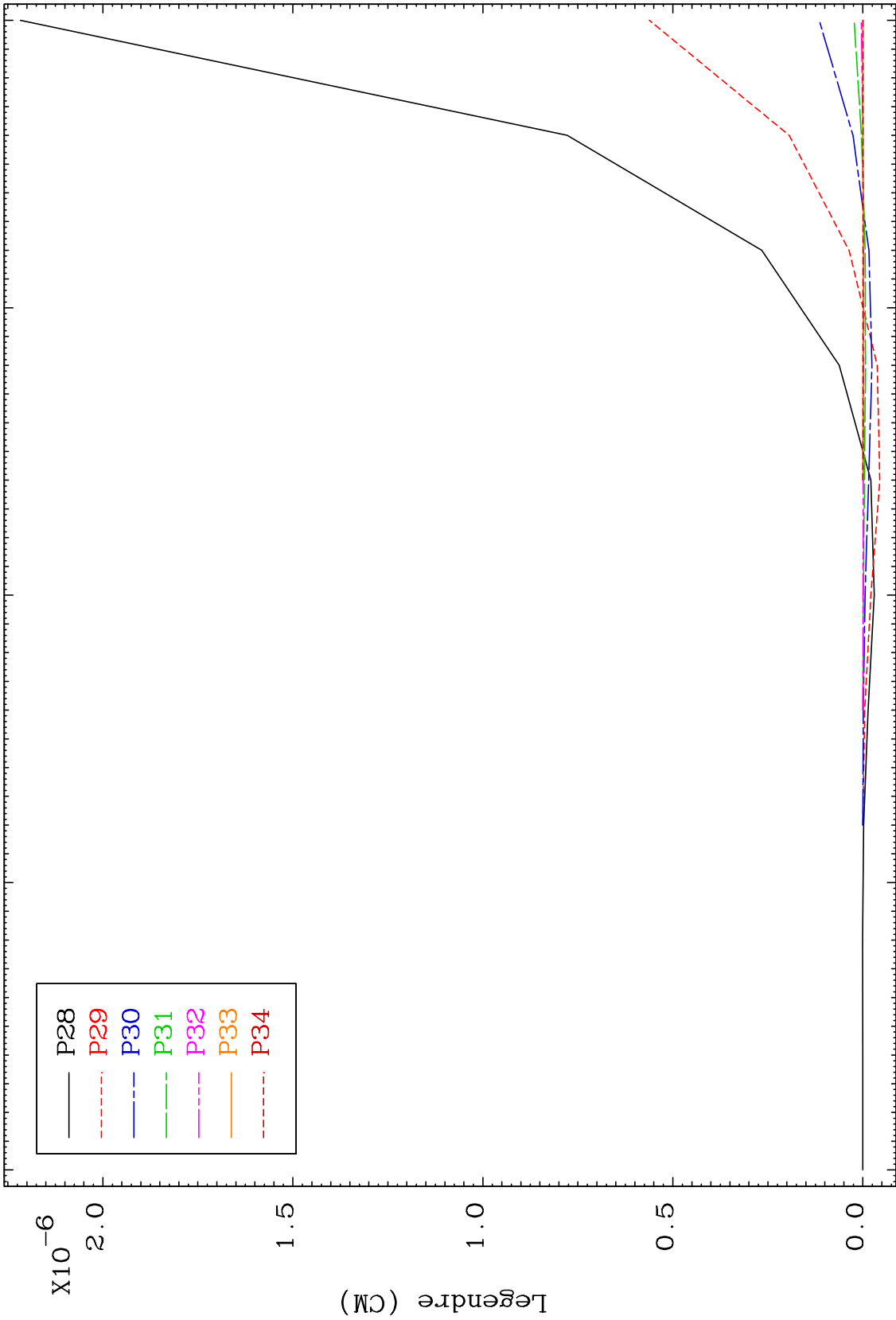
Incident Energy (MeV)

60-Nd-151

MAT 6052

Elastic Legendre Coefficients

60-Nd-151

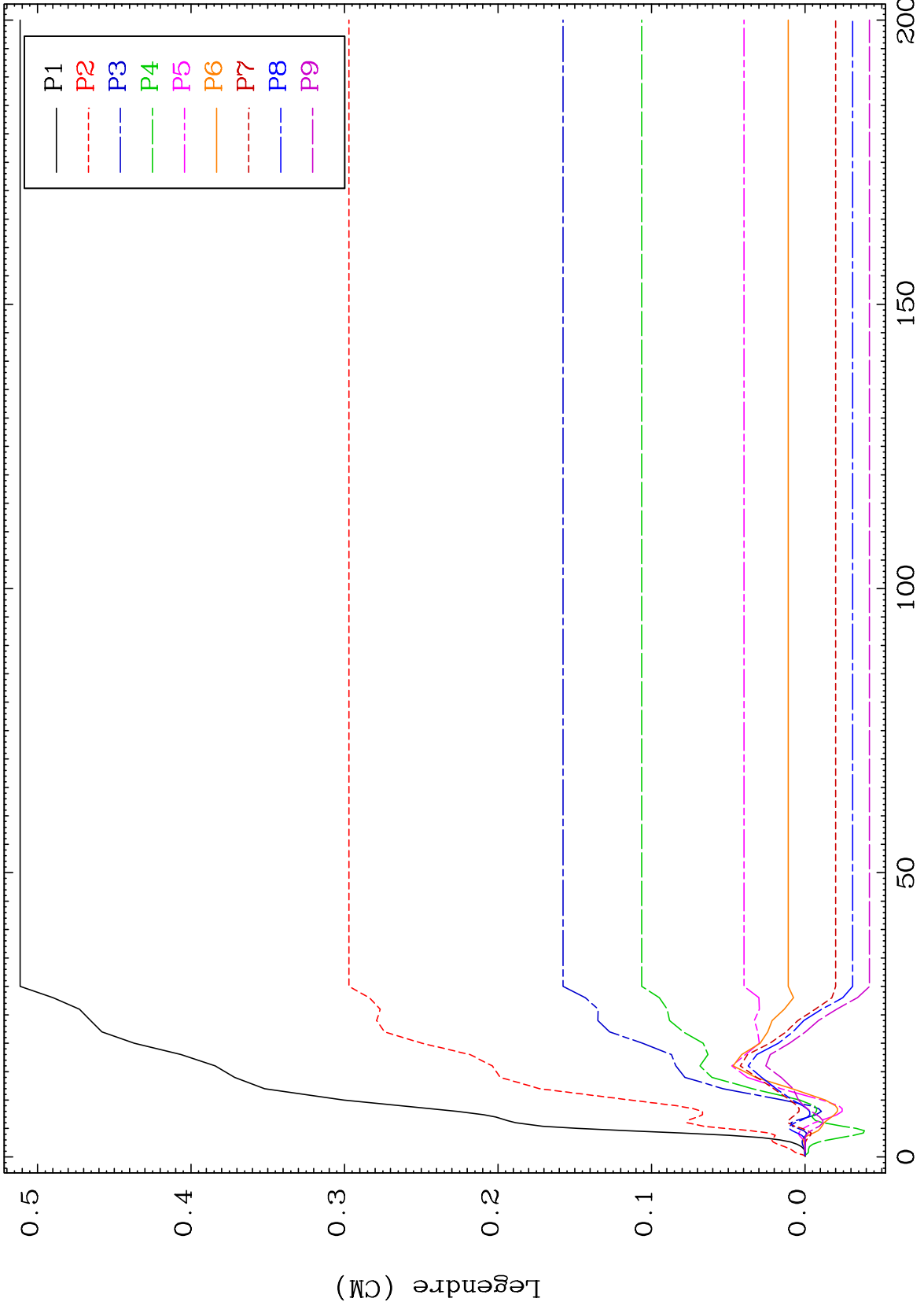


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Incident Energy (MeV)

60-Nd-151

MAT 6052 MT= 51 (n,n') Level Legendre Coefficients 60-Nd-151

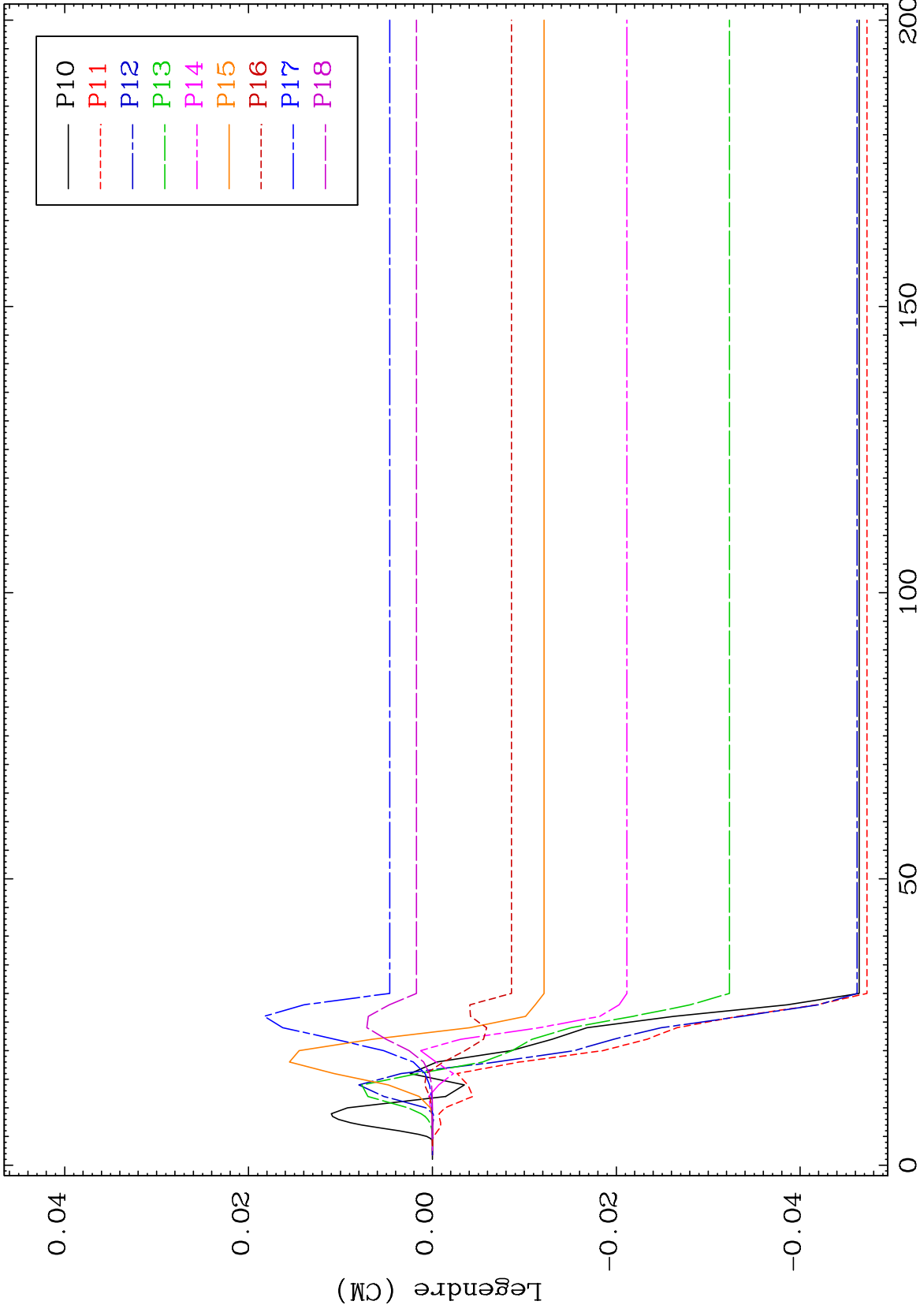


60-Nd-151 Incident Energy (MeV)

MAT 6052

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

60-Nd-151



21

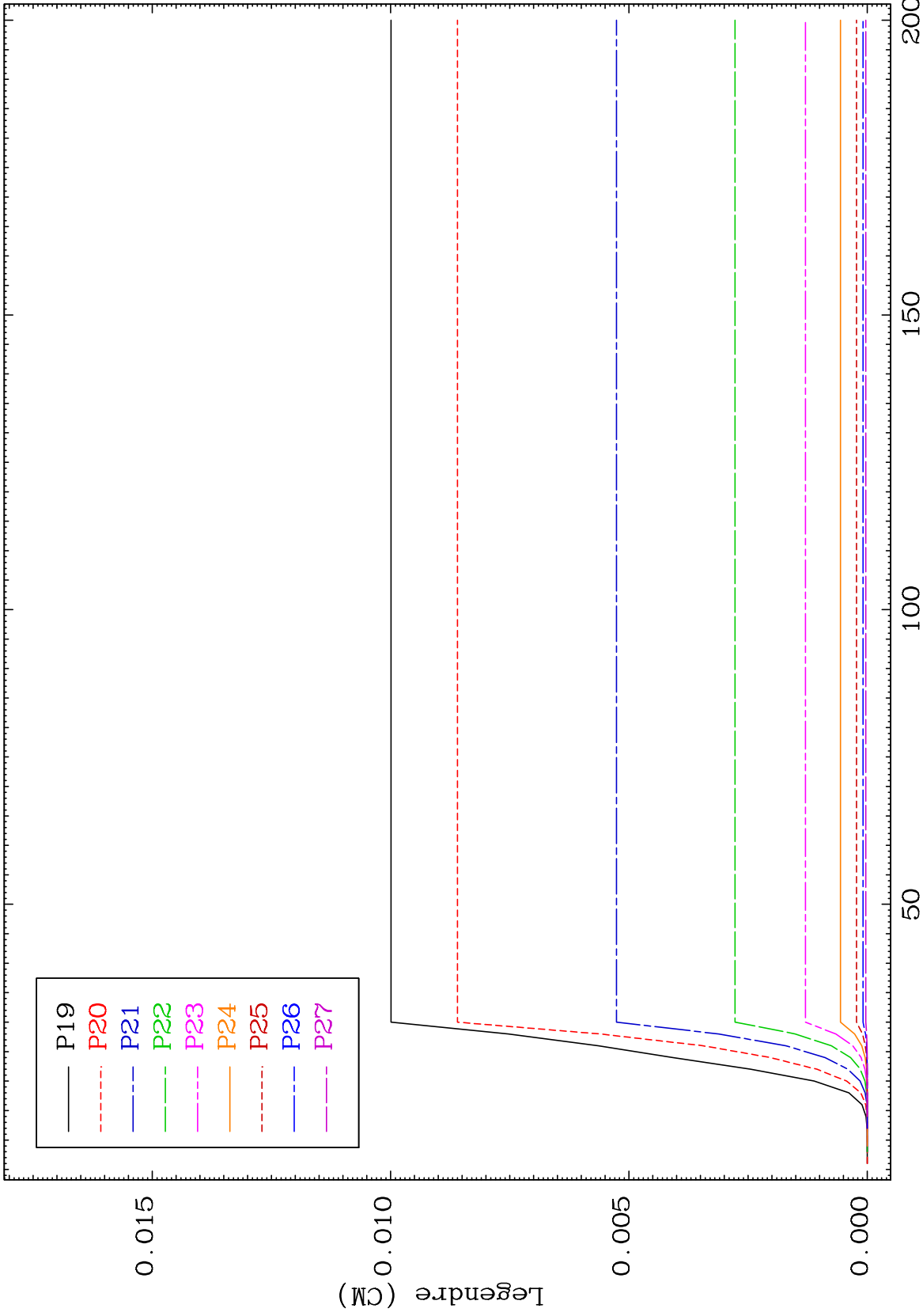
Incident Energy (MeV)

60-Nd-151

MAT 6052

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

60-Nd-151



22

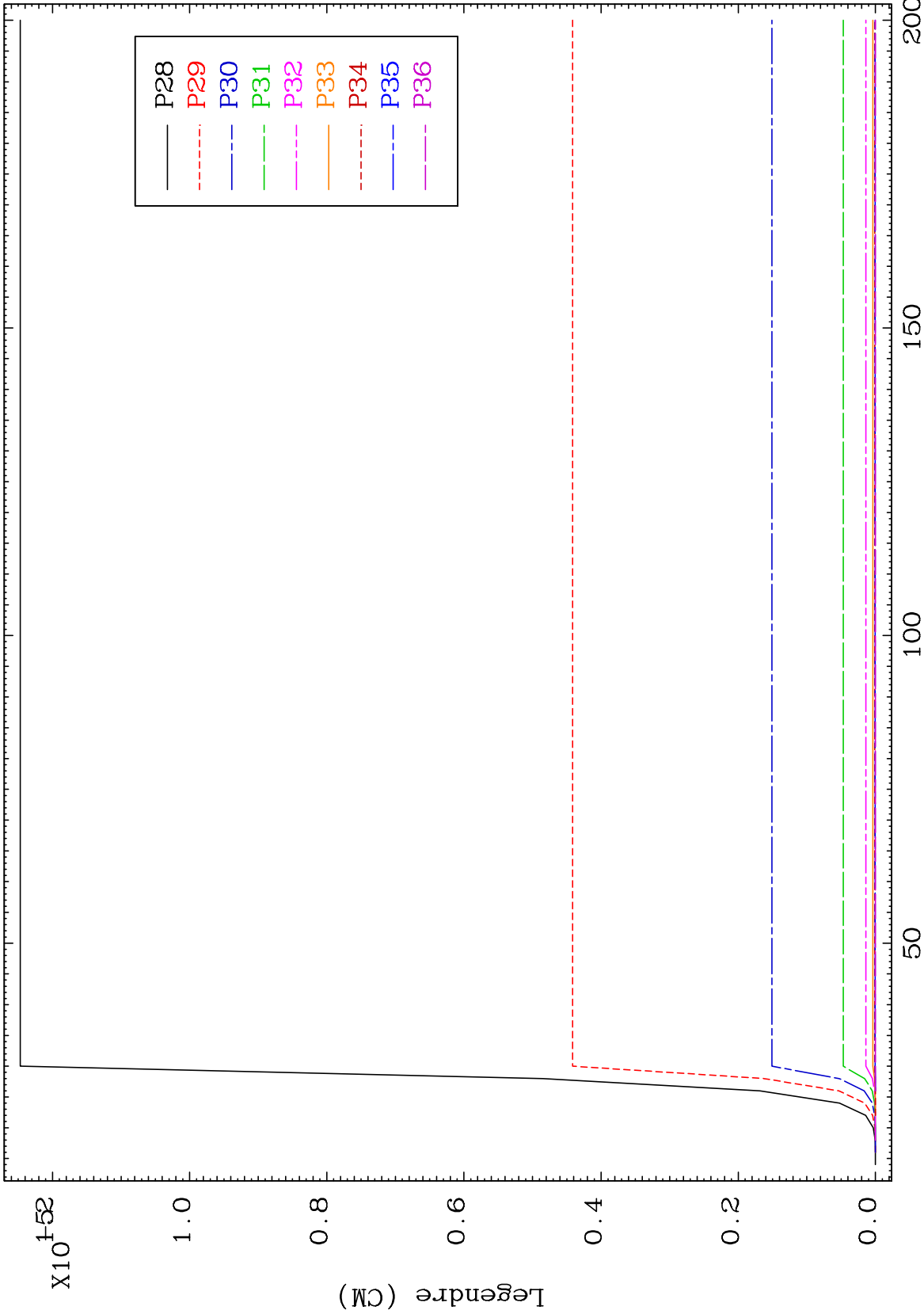
Incident Energy (MeV)

60-Nd-151

MAT 6052

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

60-Nd-151



23

Incident Energy (MeV)

60-Nd-151

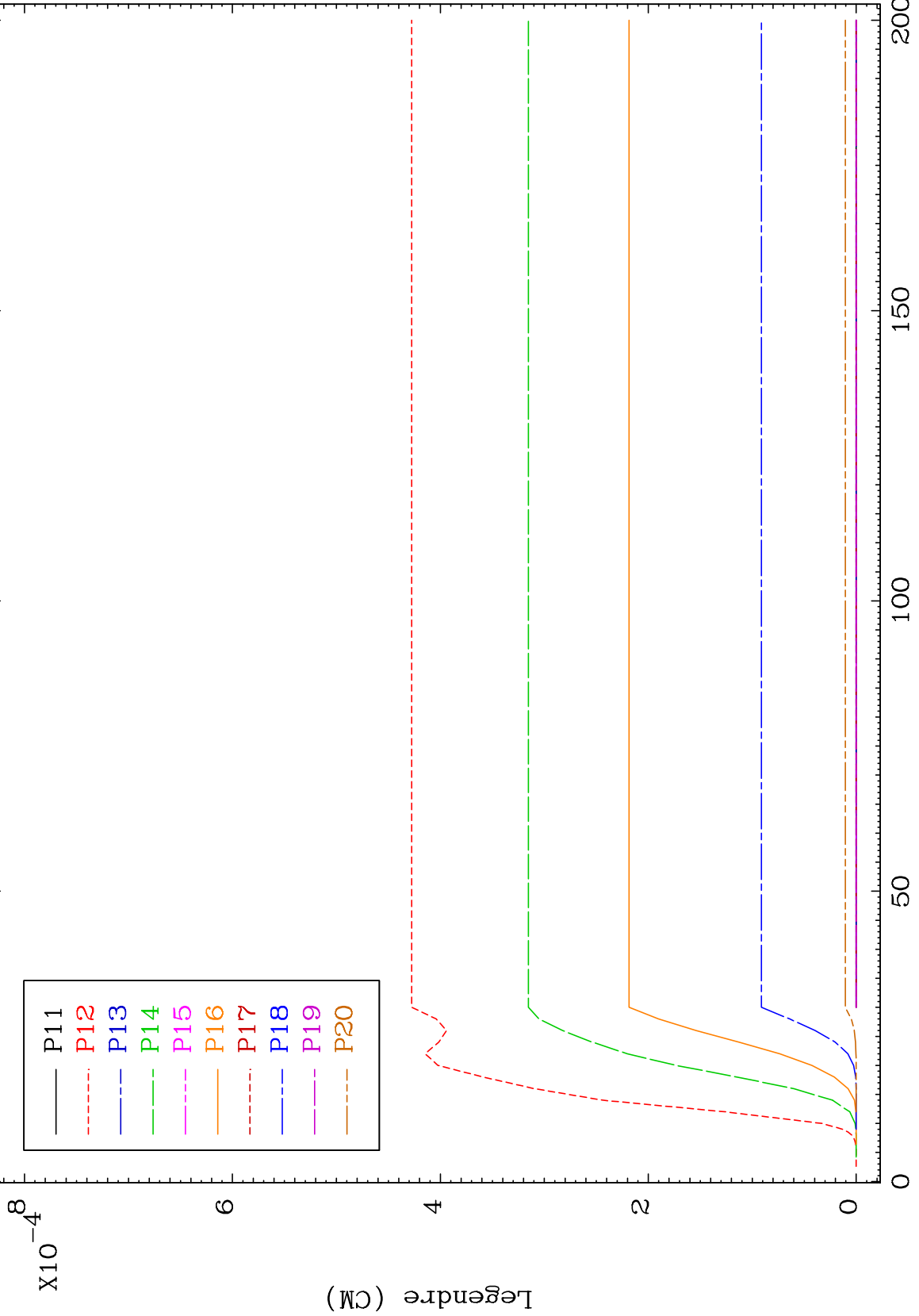




MAT 6052

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

60-Nd-151



25

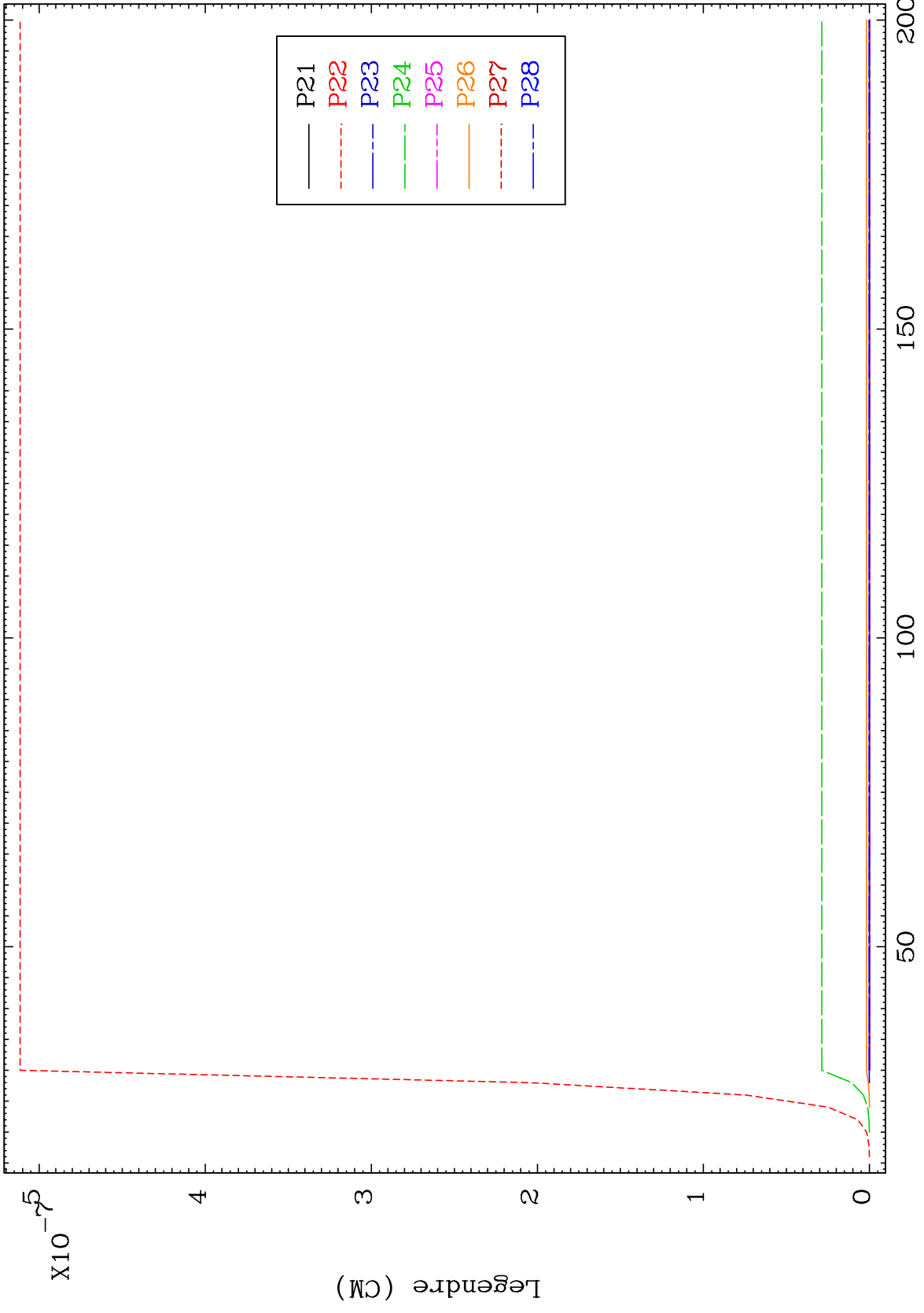
50

100

150

200

MAT 6052 MT= 52 (n,n') Level Legendre Coefficients 60-Nd-151

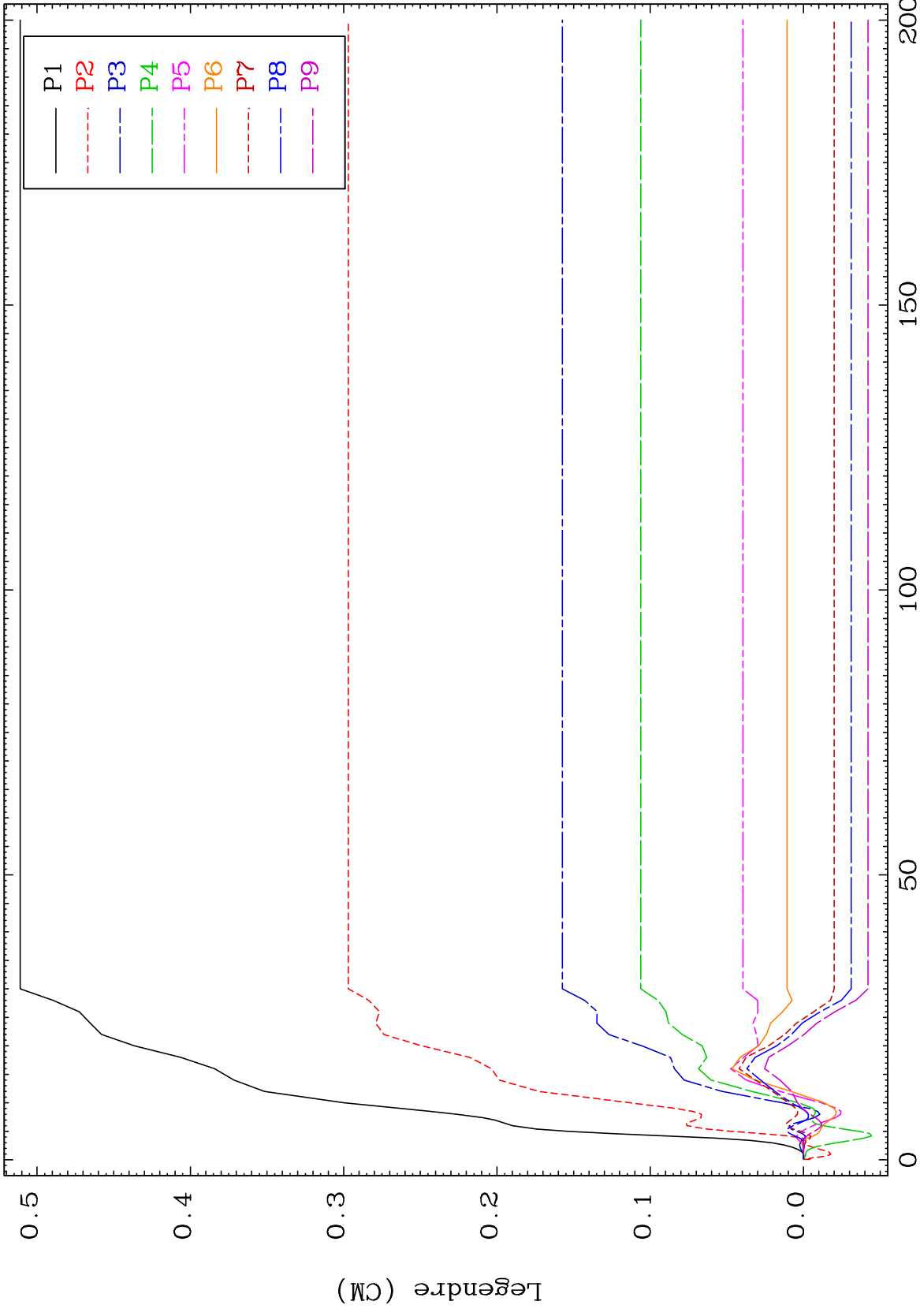


26 Incident Energy (MeV) 60-Nd-151

MAT 6052

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

60-Nd-151



27

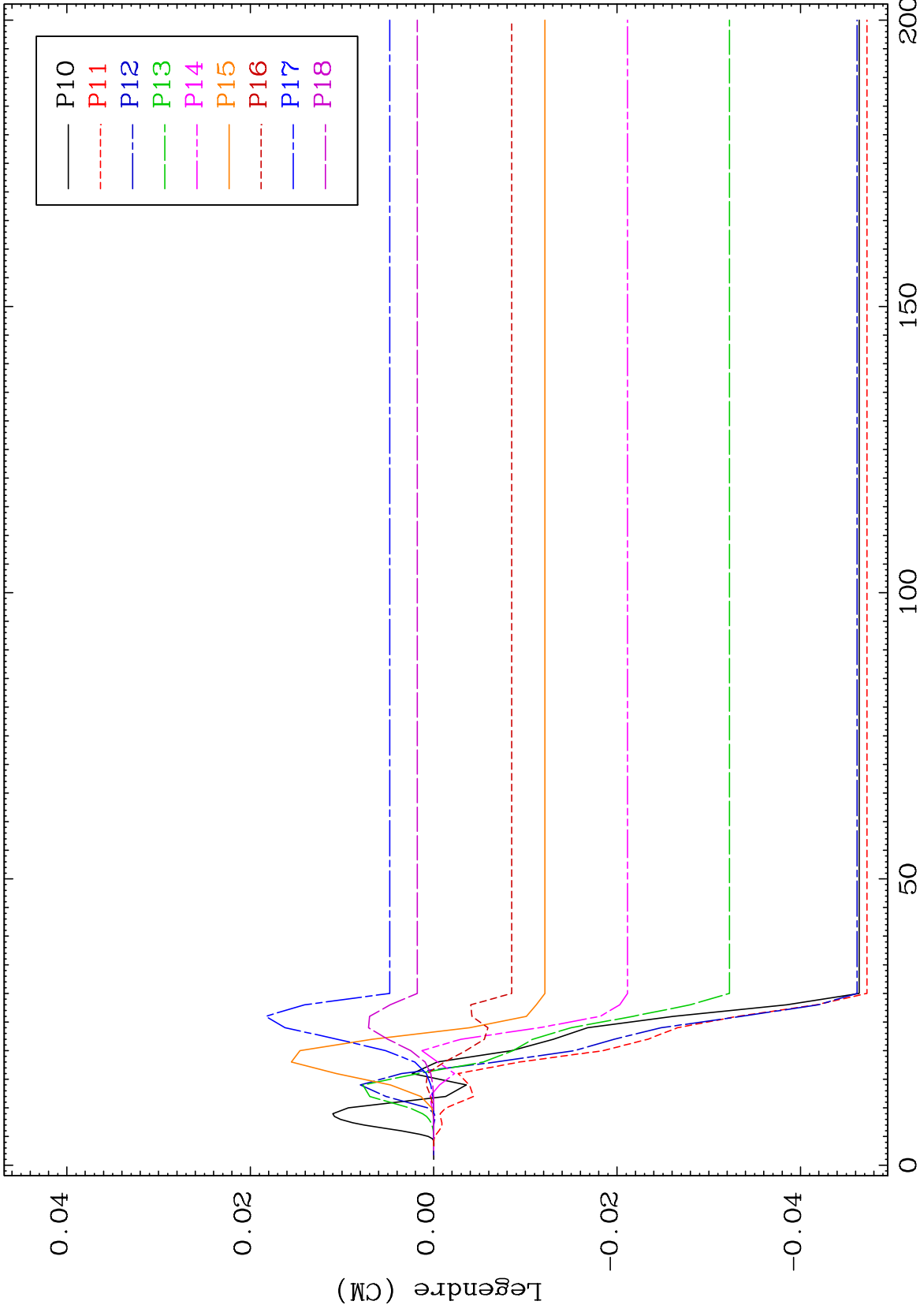
Incident Energy (MeV)

60-Nd-151

MAT 6052

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

60-Nd-151



28

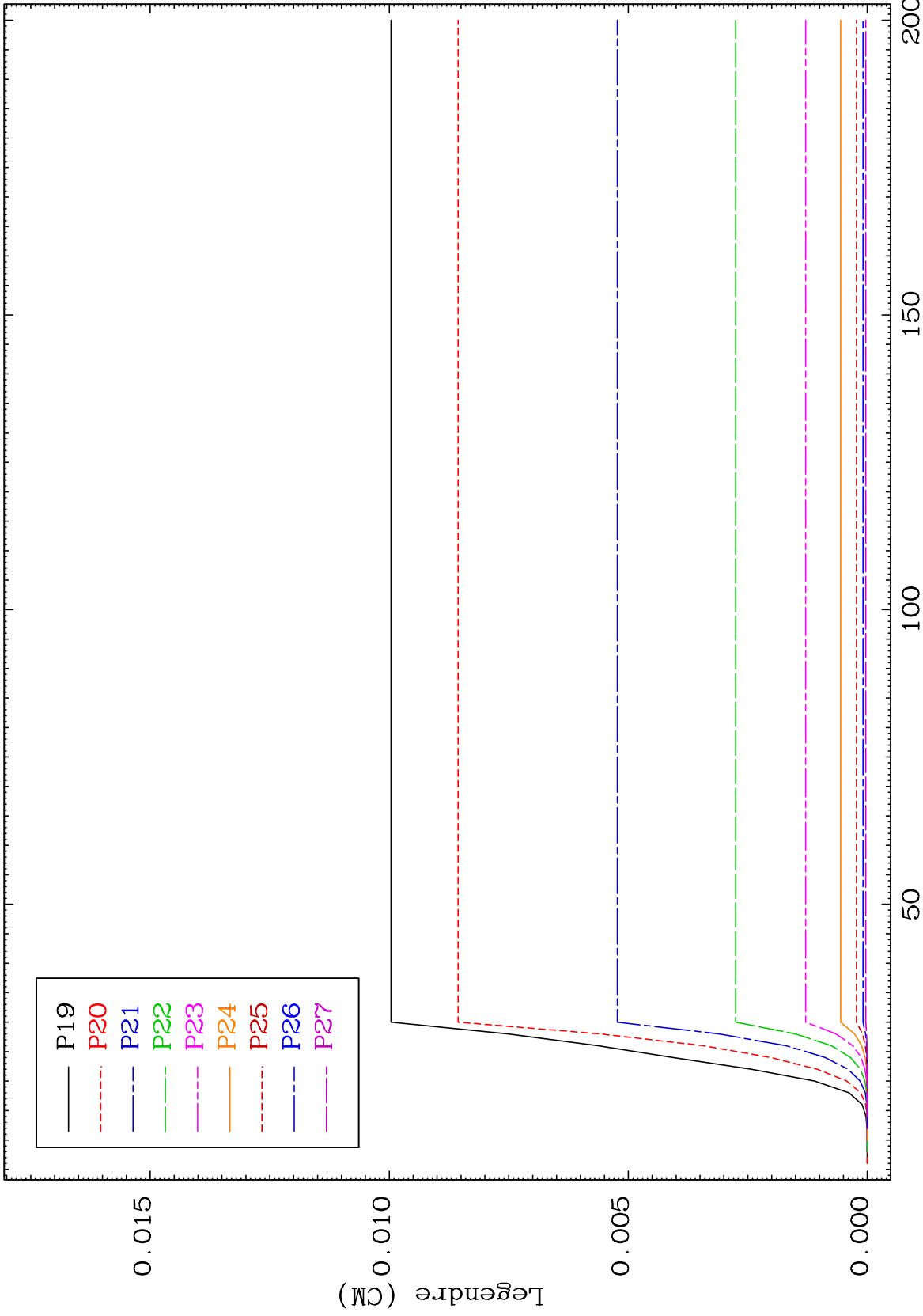
Incident Energy (MeV)

60-Nd-151

MAT 6052

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

60-Nd-151



29

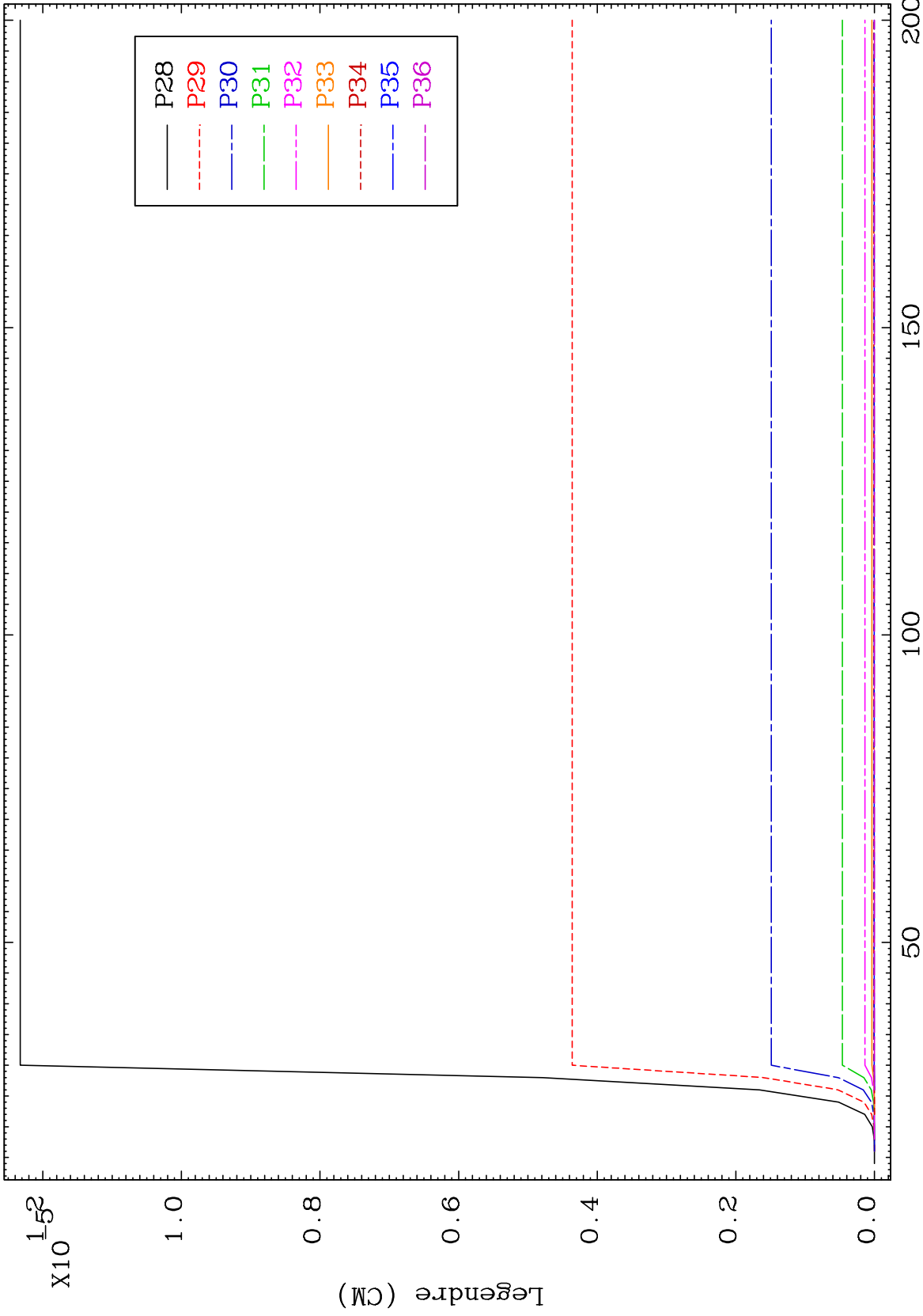
Incident Energy (MeV)

60-Nd-151

MAT 6052

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

60-Nd-151



60-Nd-151

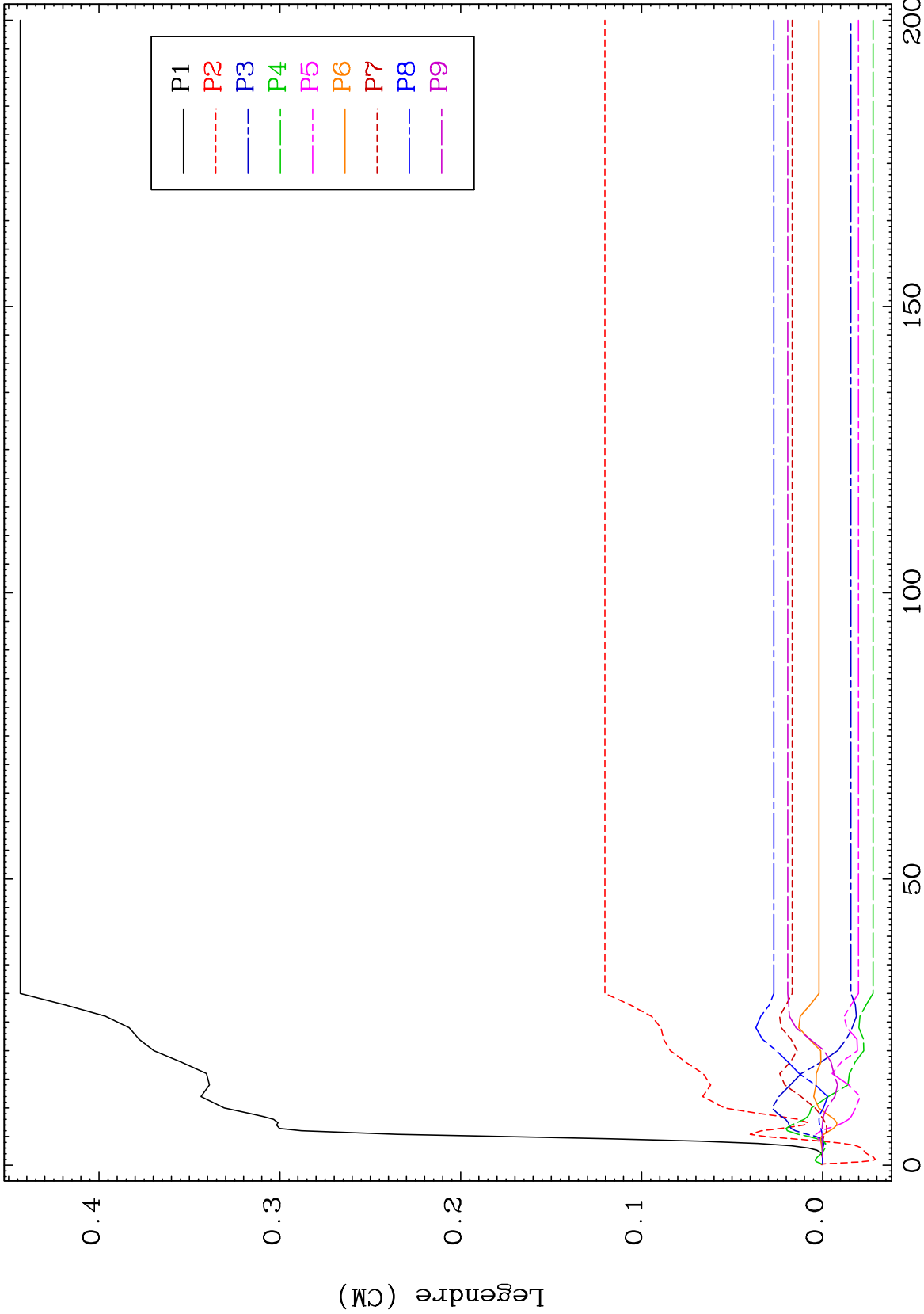
Incident Energy (MeV)

30

MAT 6052

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

60-Nd-151



31

Incident Energy (MeV)

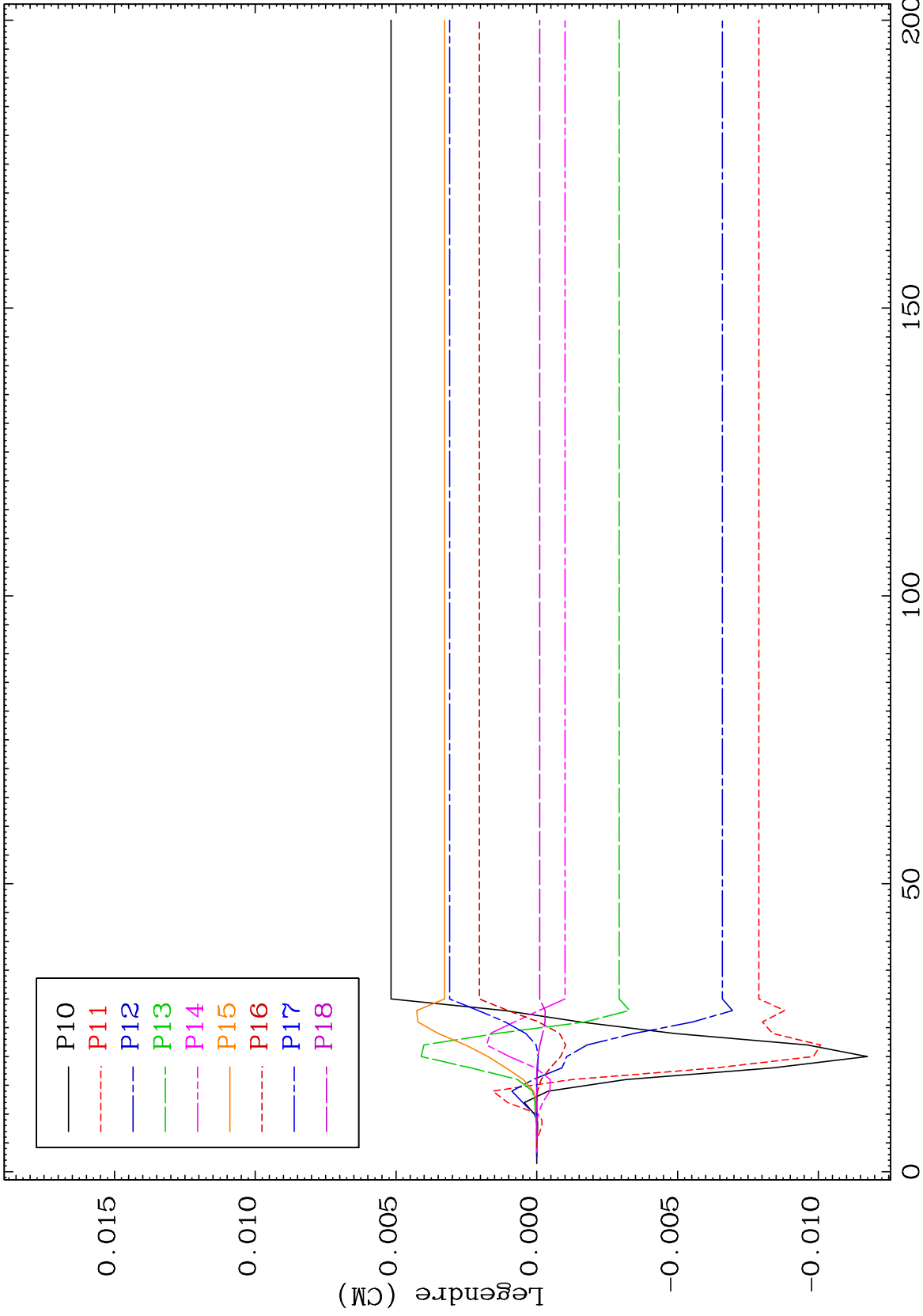
60-Nd-151



MAT 6052

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

60-Nd-151



32

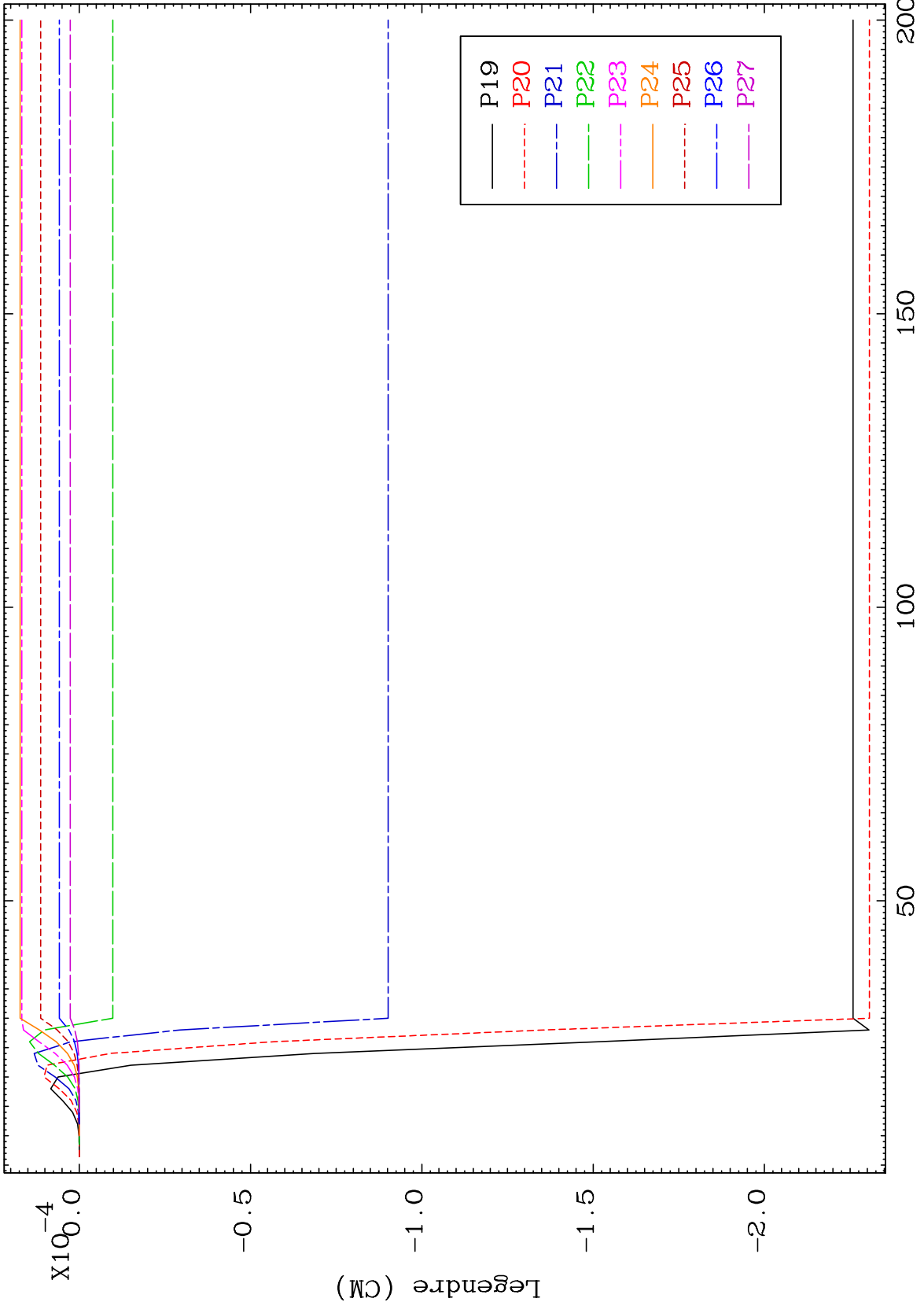
Incident Energy (MeV)

60-Nd-151

MAT 6052

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

60-Nd-151



60-Nd-151

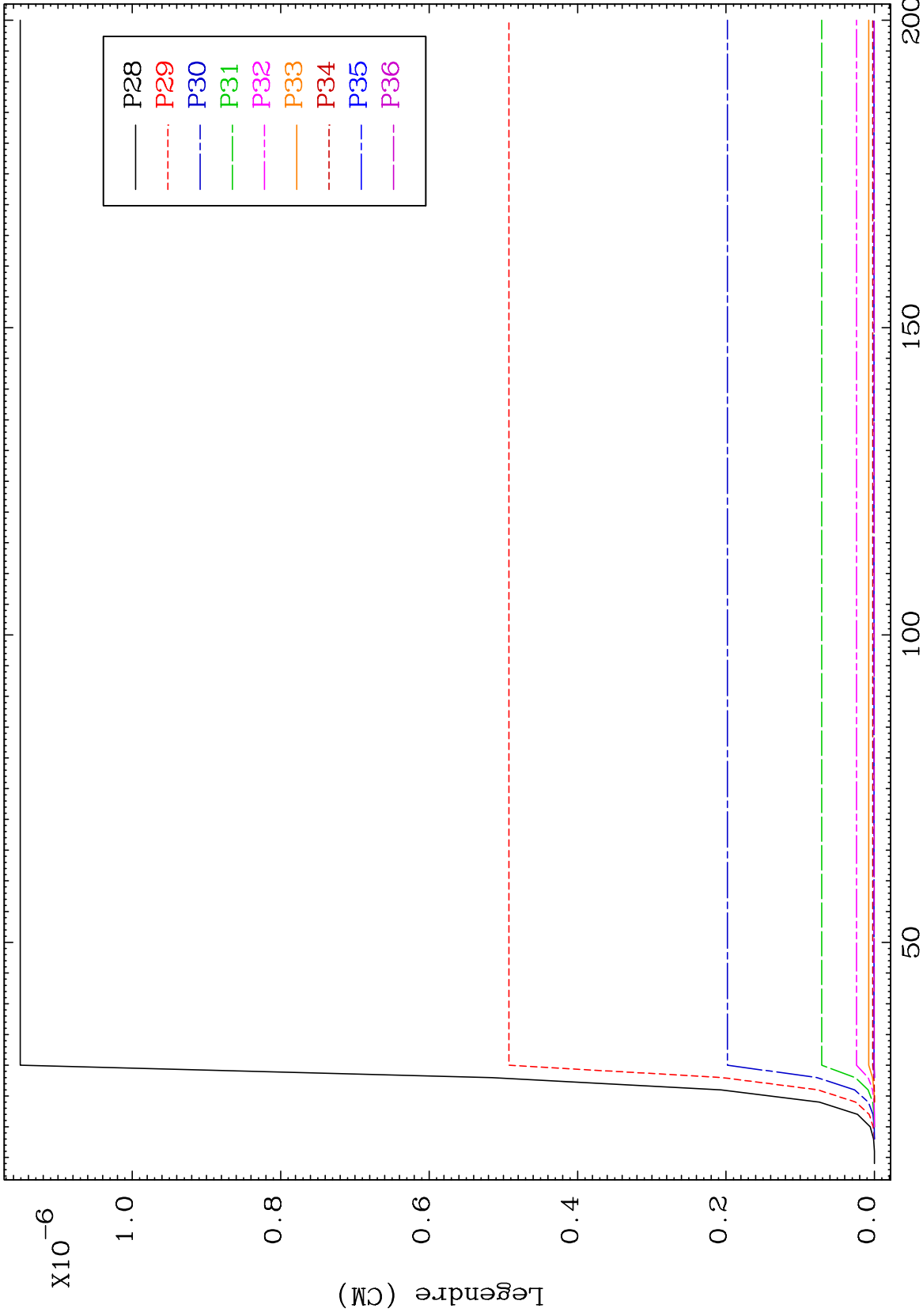
Incident Energy (MeV)

33

MAT 6052

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

60-Nd-151

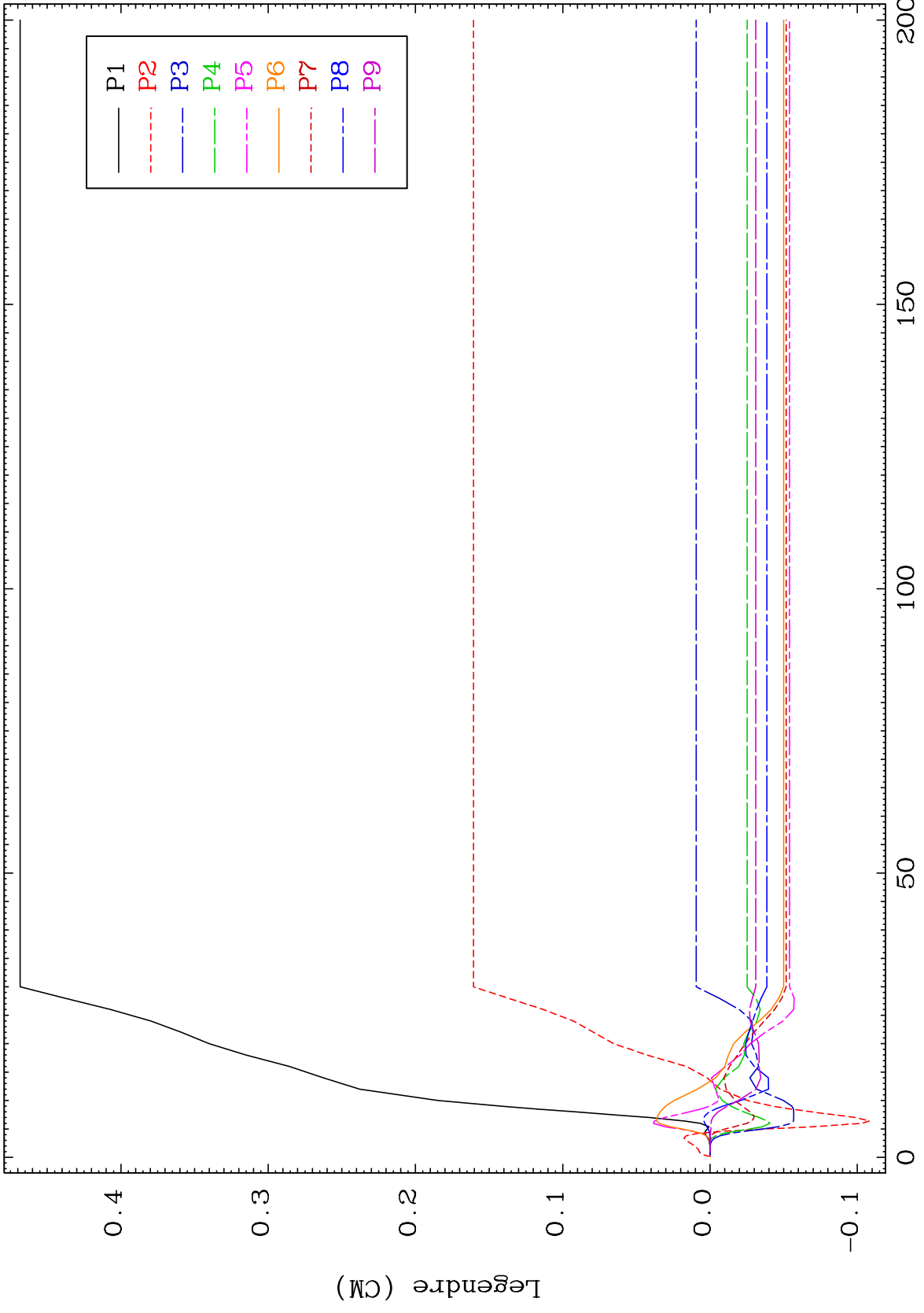


34

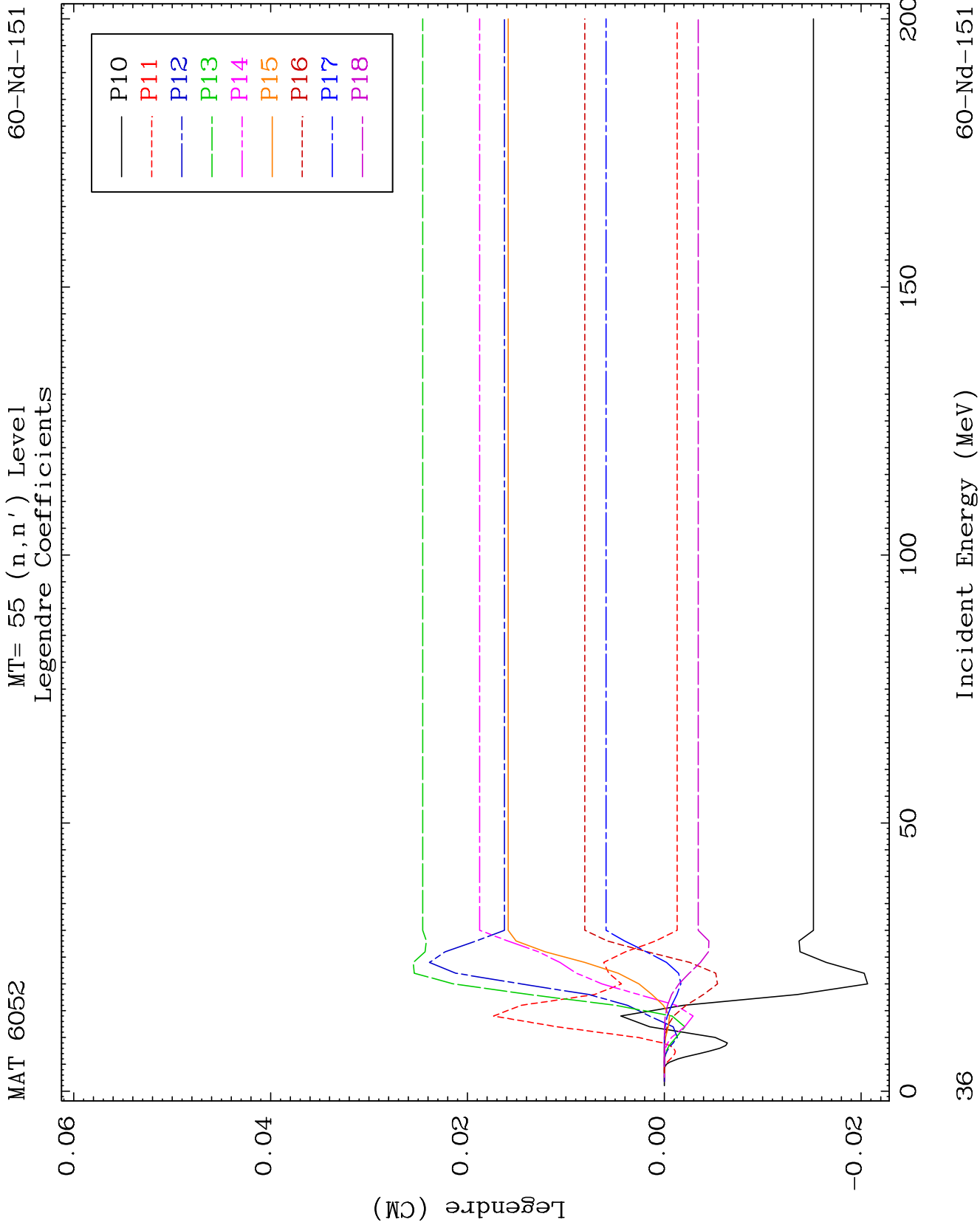
Incident Energy (MeV)

60-Nd-151

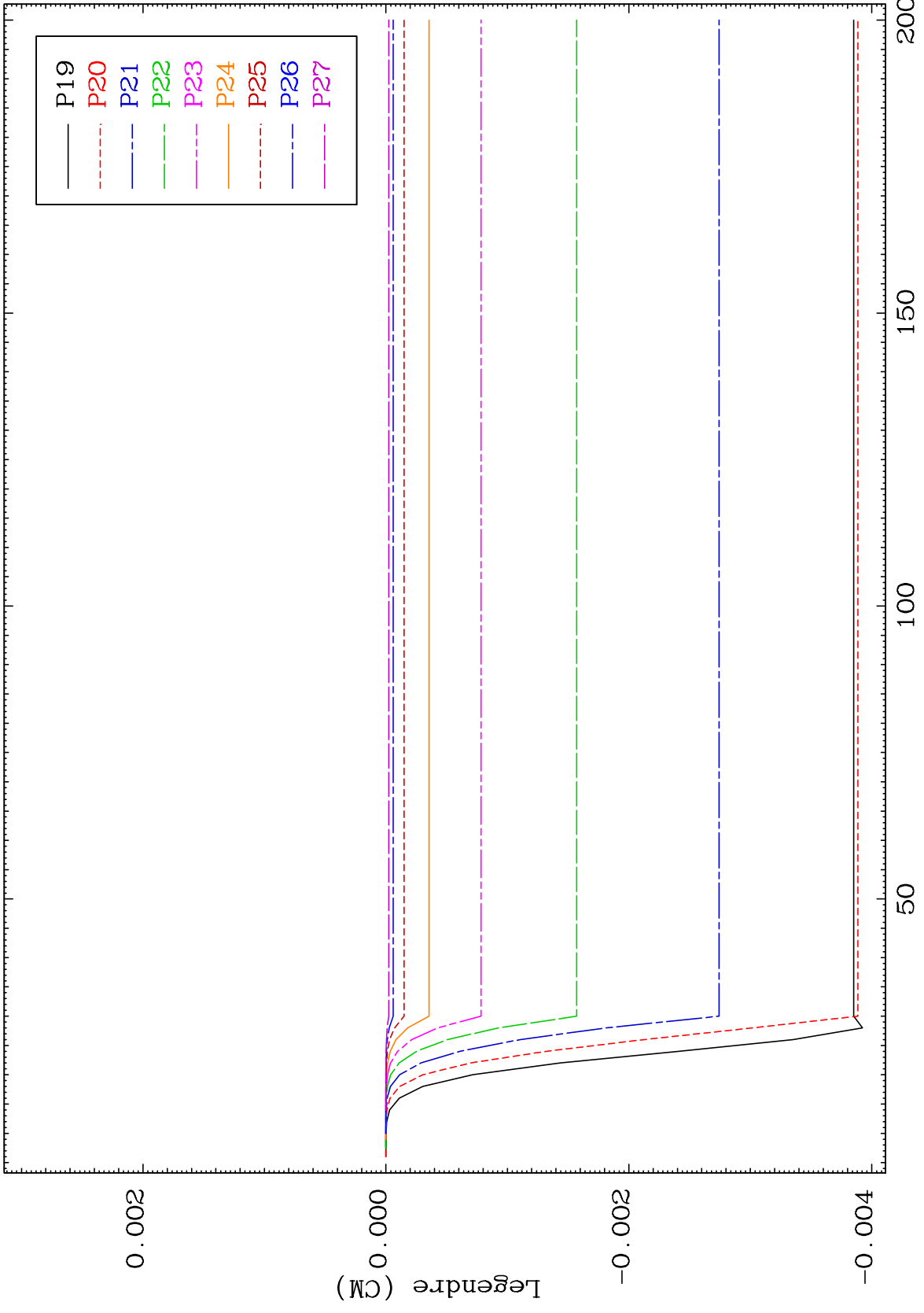
MAT 6052 MT= 55 (n,n') Level Legendre Coefficients 60-Nd-151



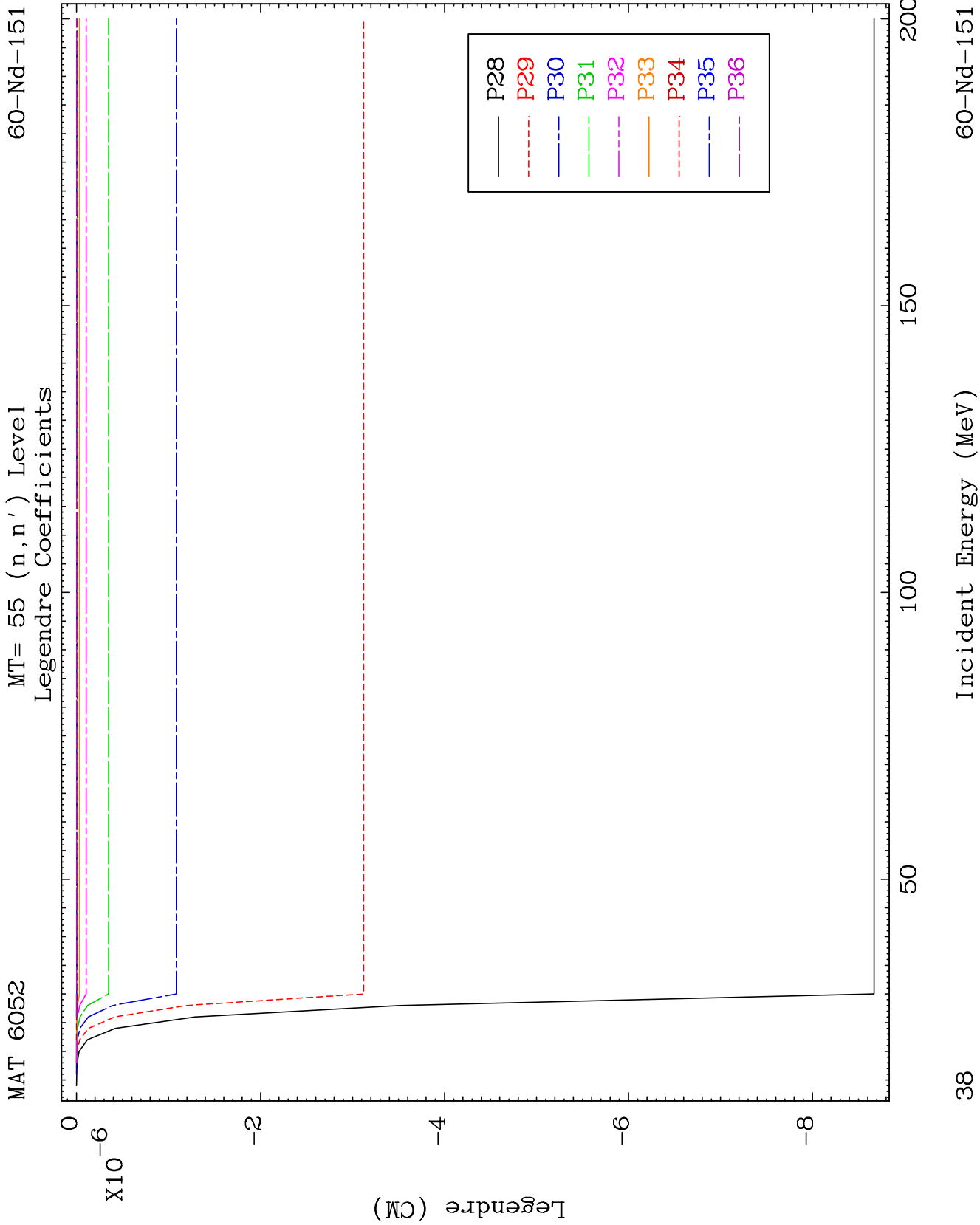
Legendre (CM) Incident Energy (MeV) 60-Nd-151



MAT 6052 MT= 55 (n,n') Level Legendre Coefficients 60-Nd-151



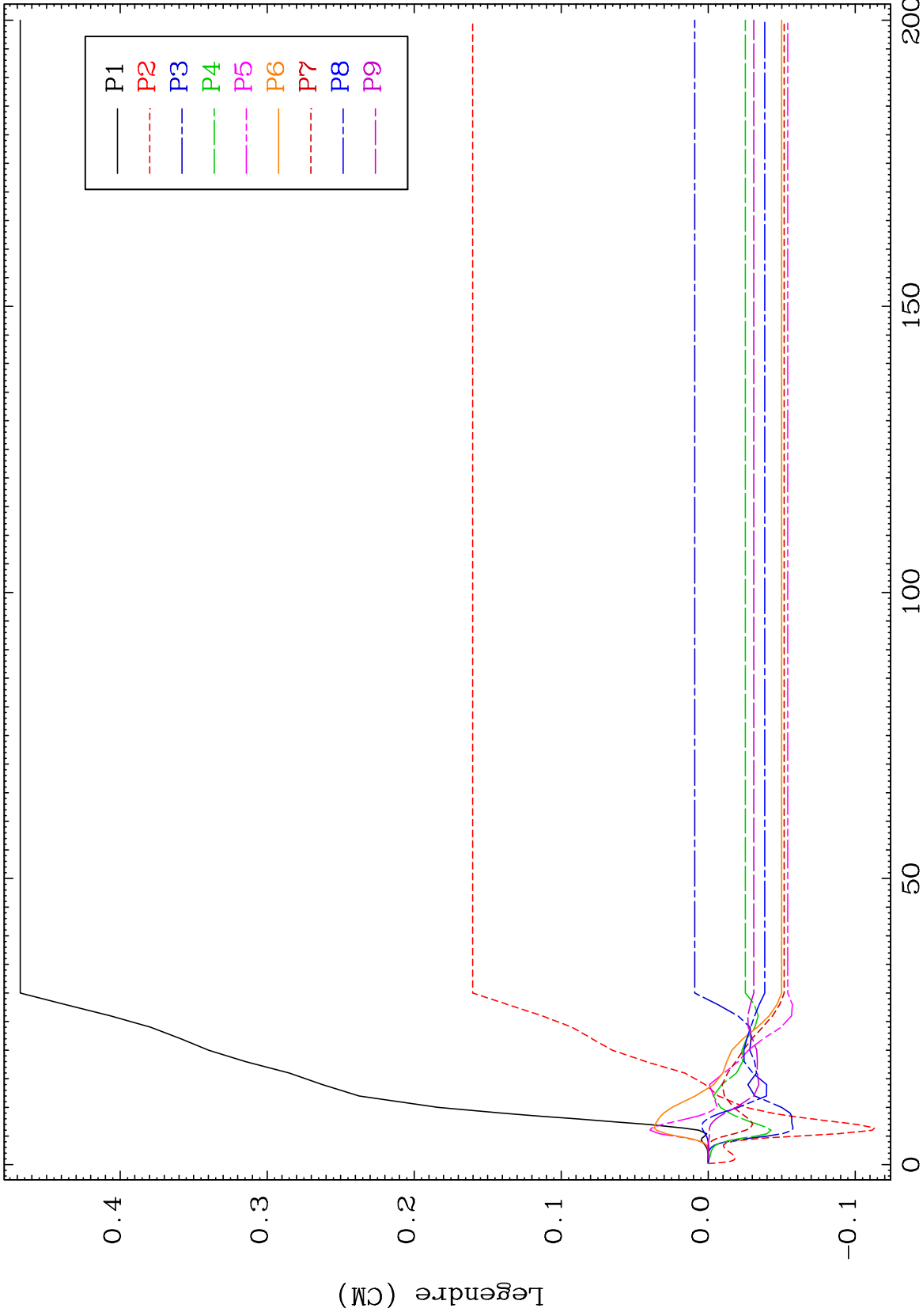
37 60-Nd-151



MAT 6052

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

60-Nd-151

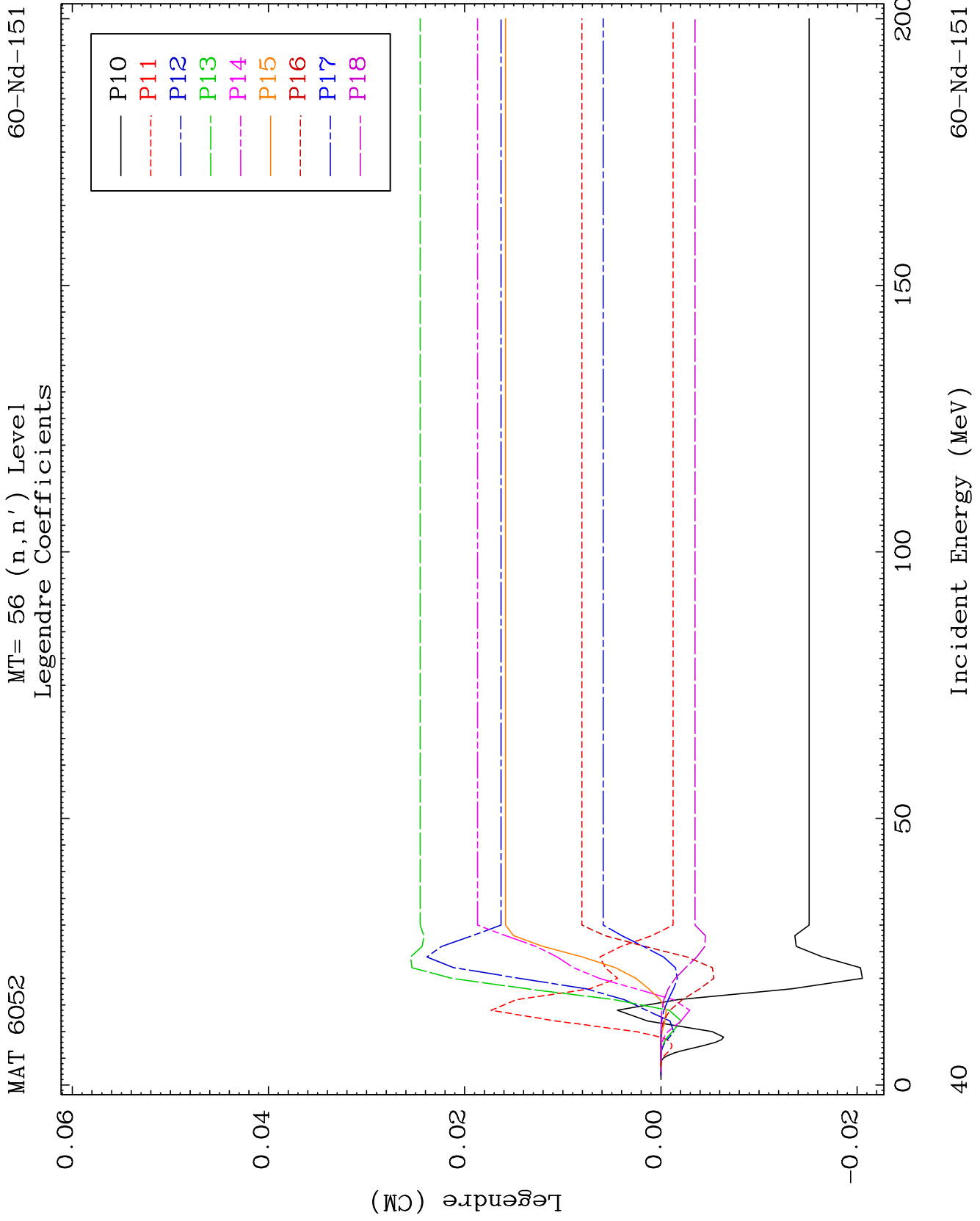


39

Incident Energy (MeV)

60-Nd-151

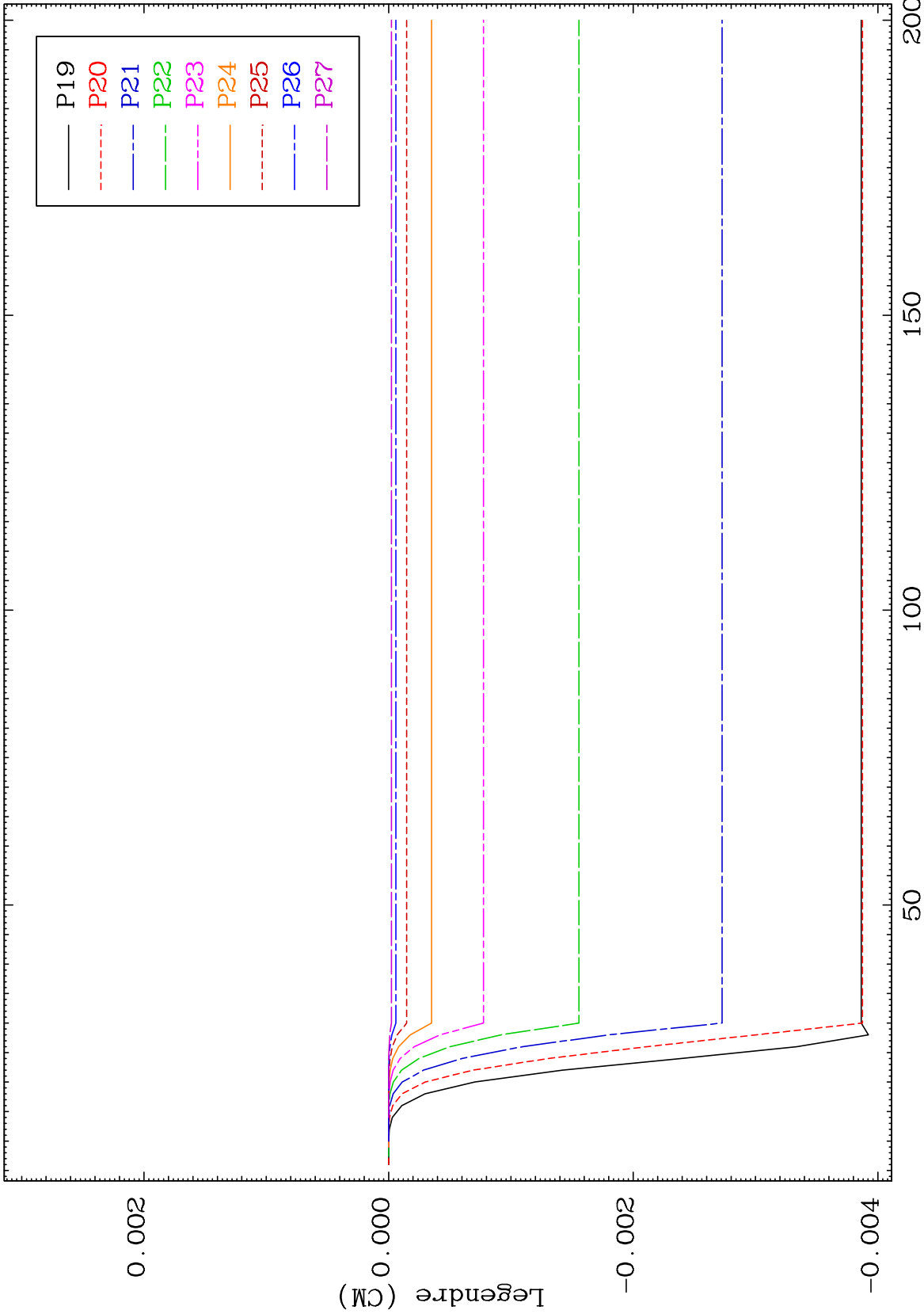




MAT 6052

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

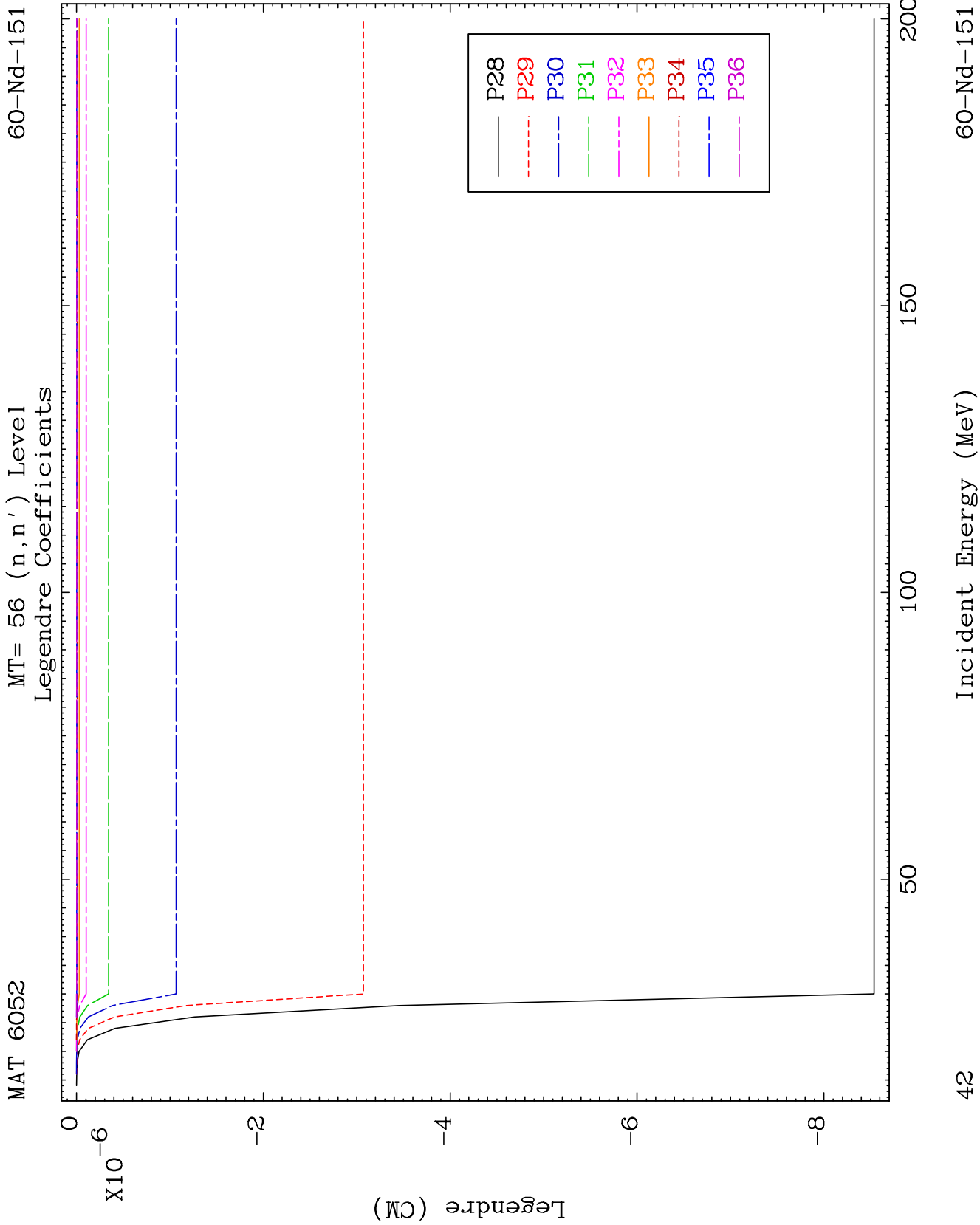
60-Nd-151



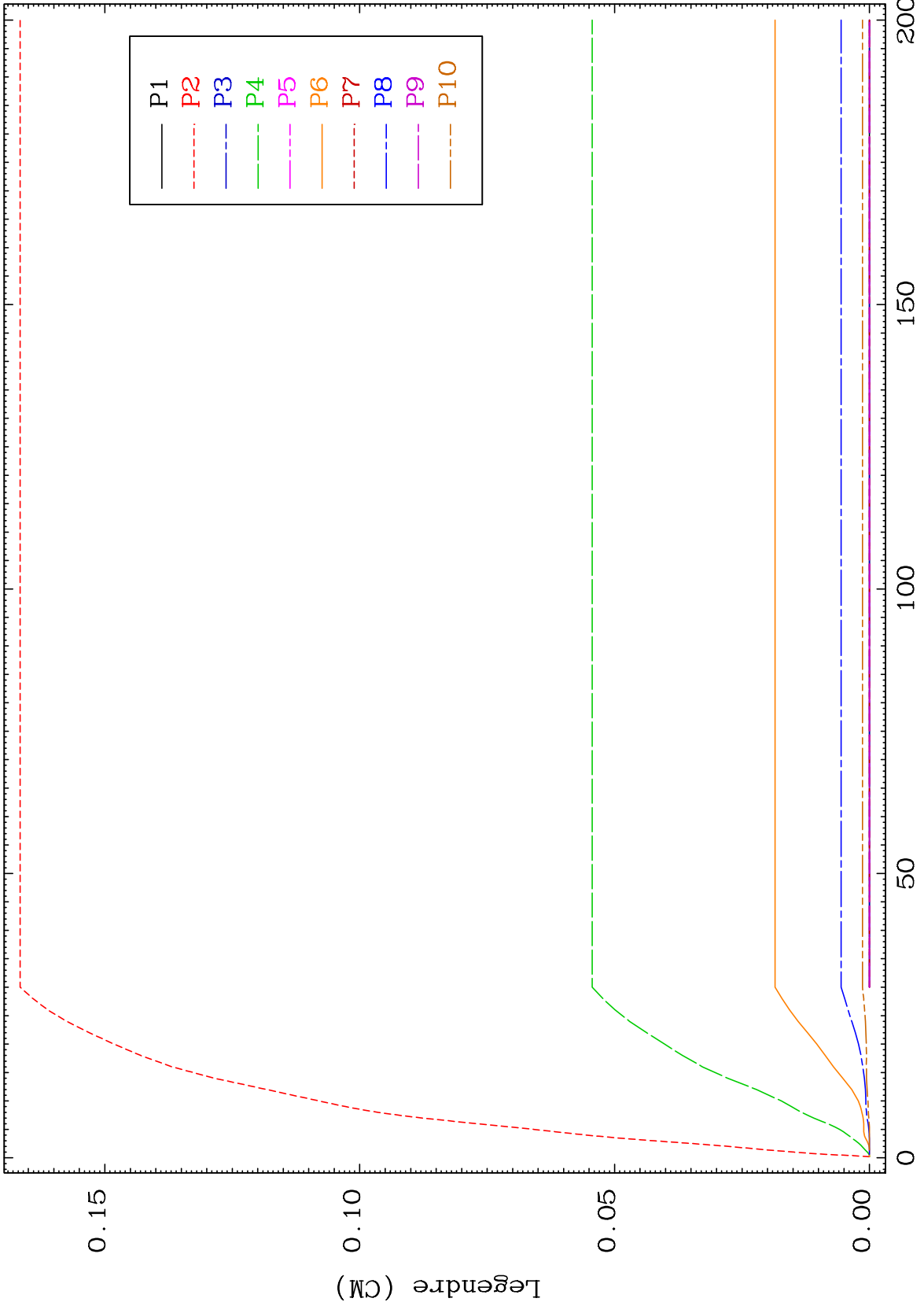
41

Incident Energy (MeV)

60-Nd-151



MAT 6052 MT= 57 (n,n') Level Legendre Coefficients 60-Nd-151

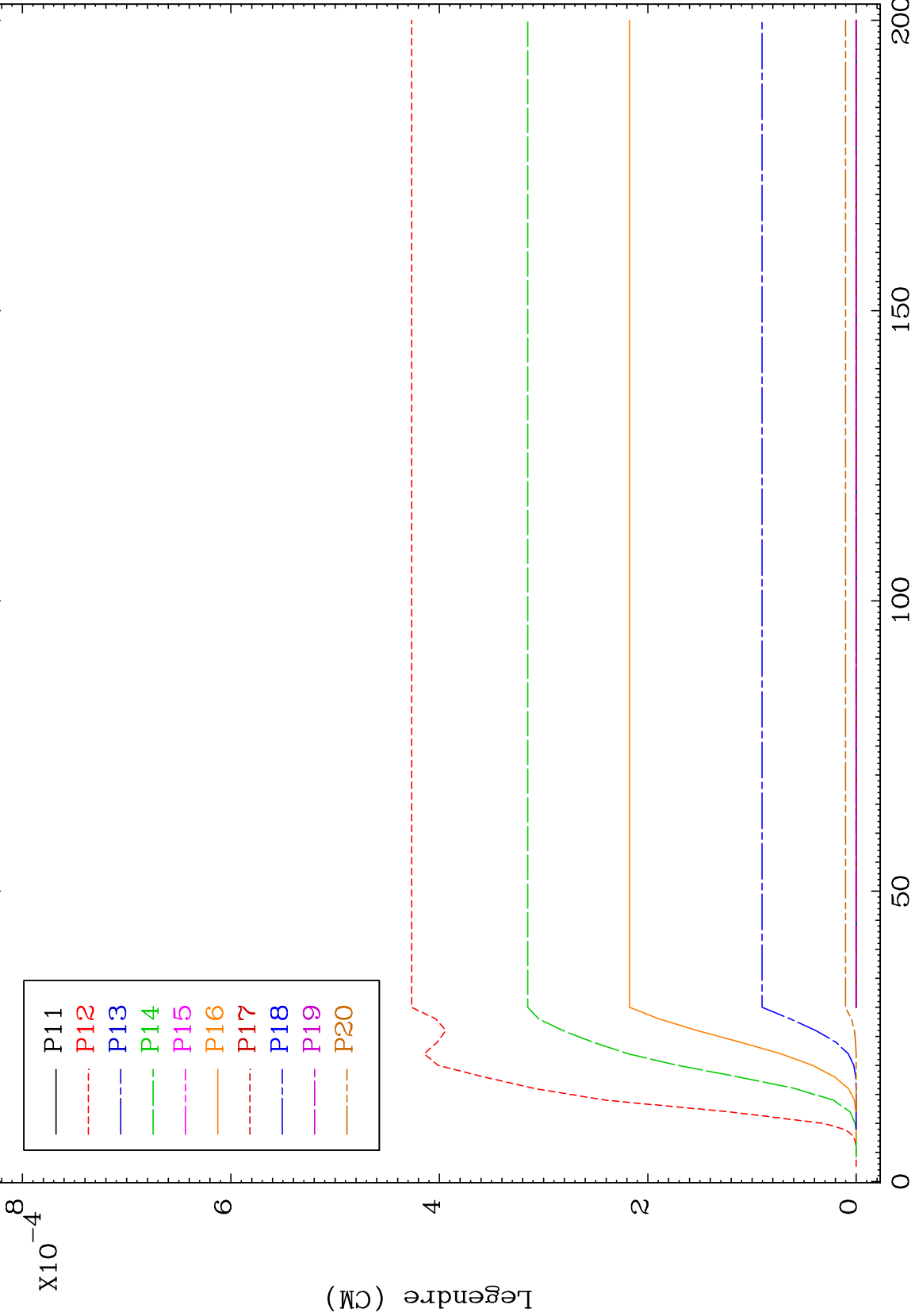


43 Incident Energy (MeV) 60-Nd-151

MAT 6052

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

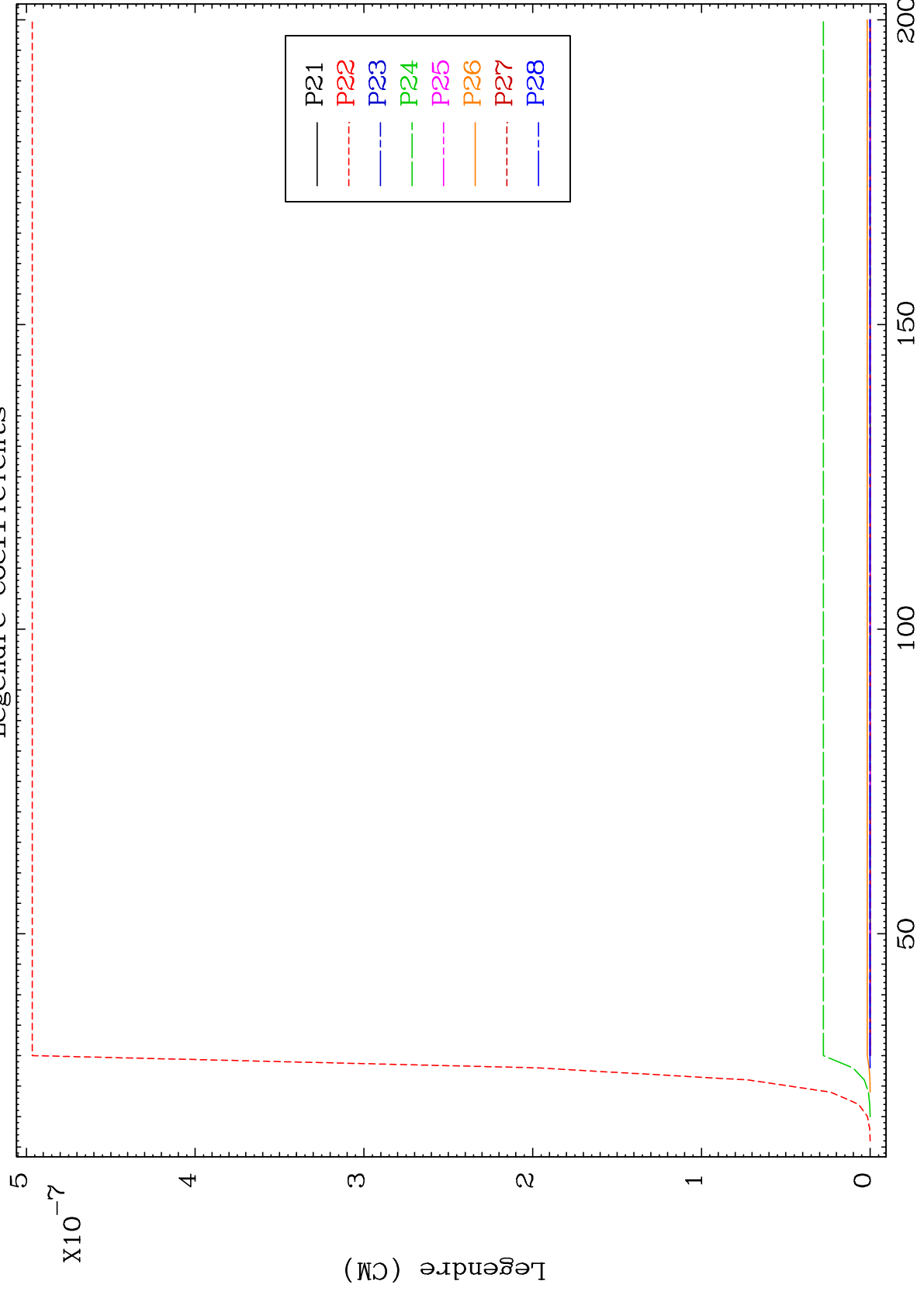
60-Nd-151



44

60-Nd-151

MAT 6052 MT= 57 (n,n') Level Legendre Coefficients 60-Nd-151

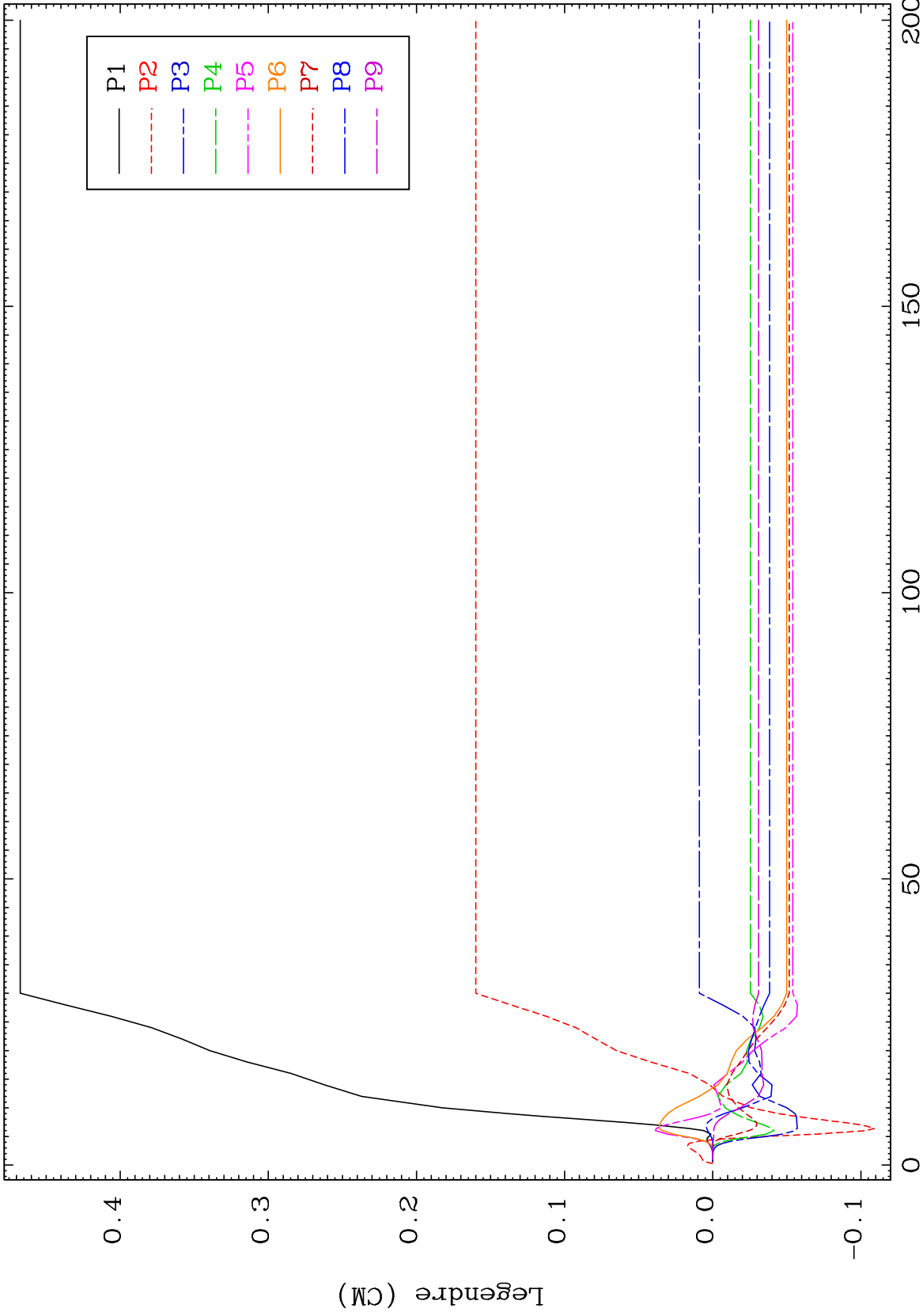


45 50 100 150 200 60-Nd-151

MAT 6052

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

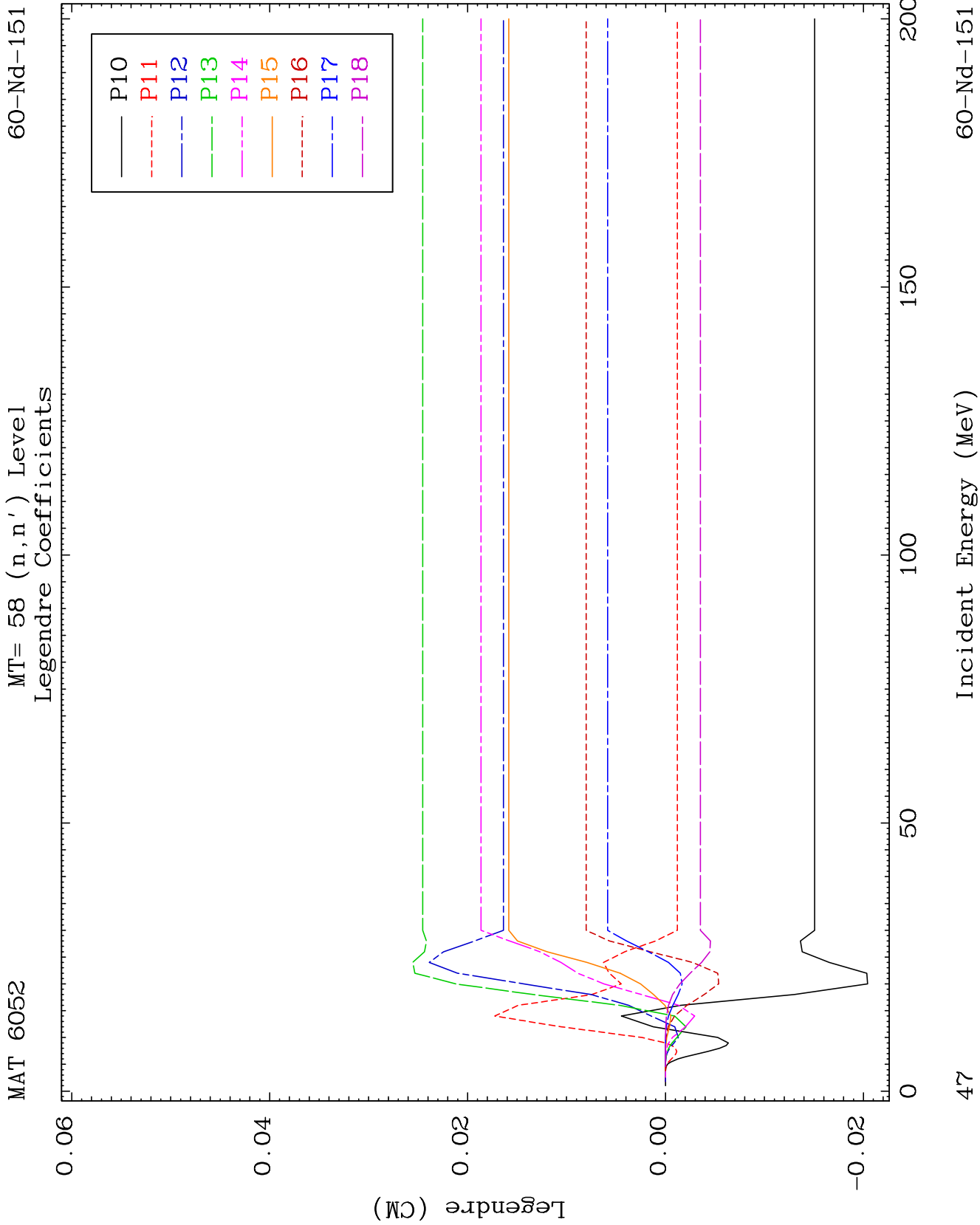
60-Nd-151



46

Incident Energy (MeV)

60-Nd-151

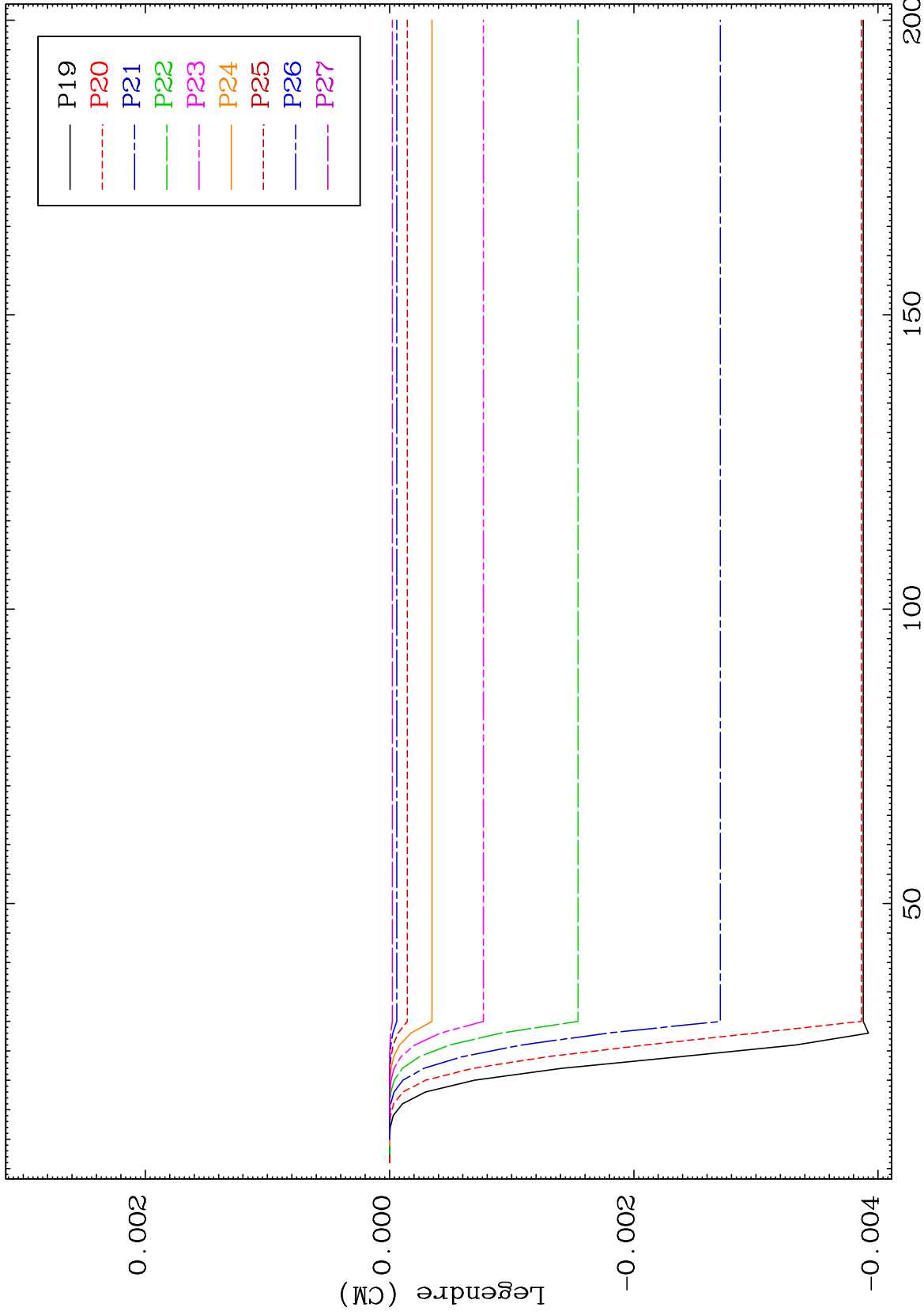




MAT 6052

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

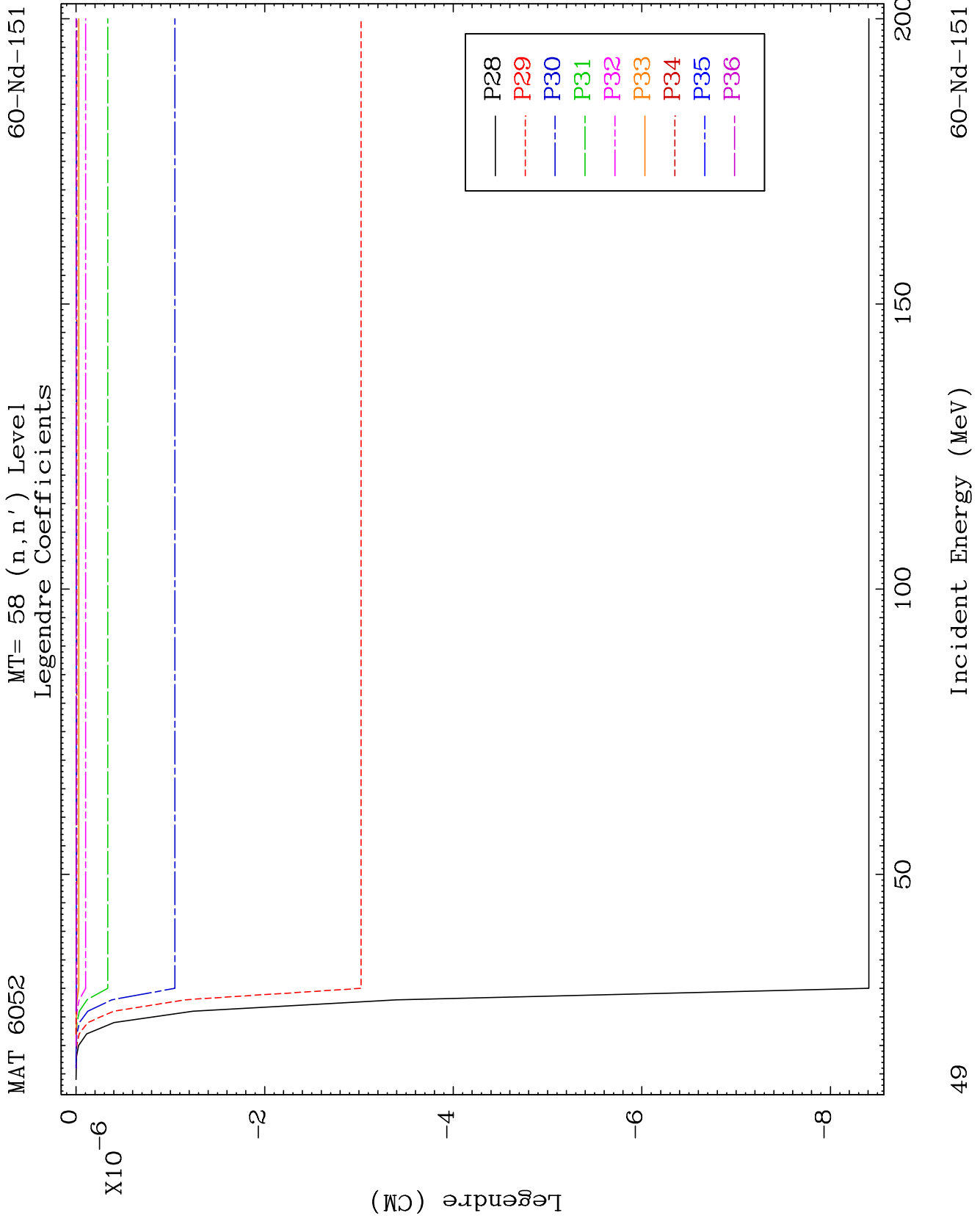
60-Nd-151



48

Incident Energy (MeV)

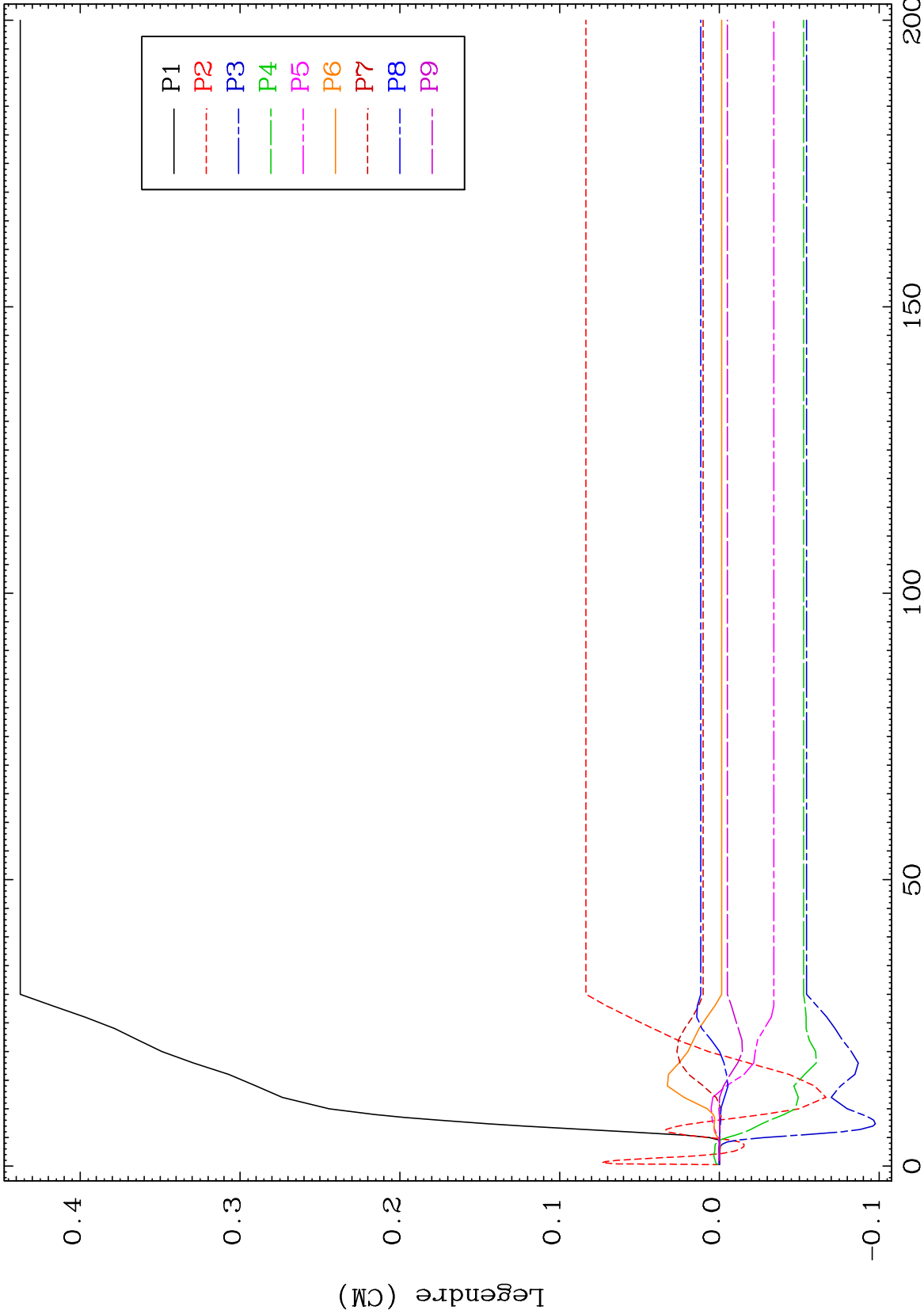
60-Nd-151



MAT 6052

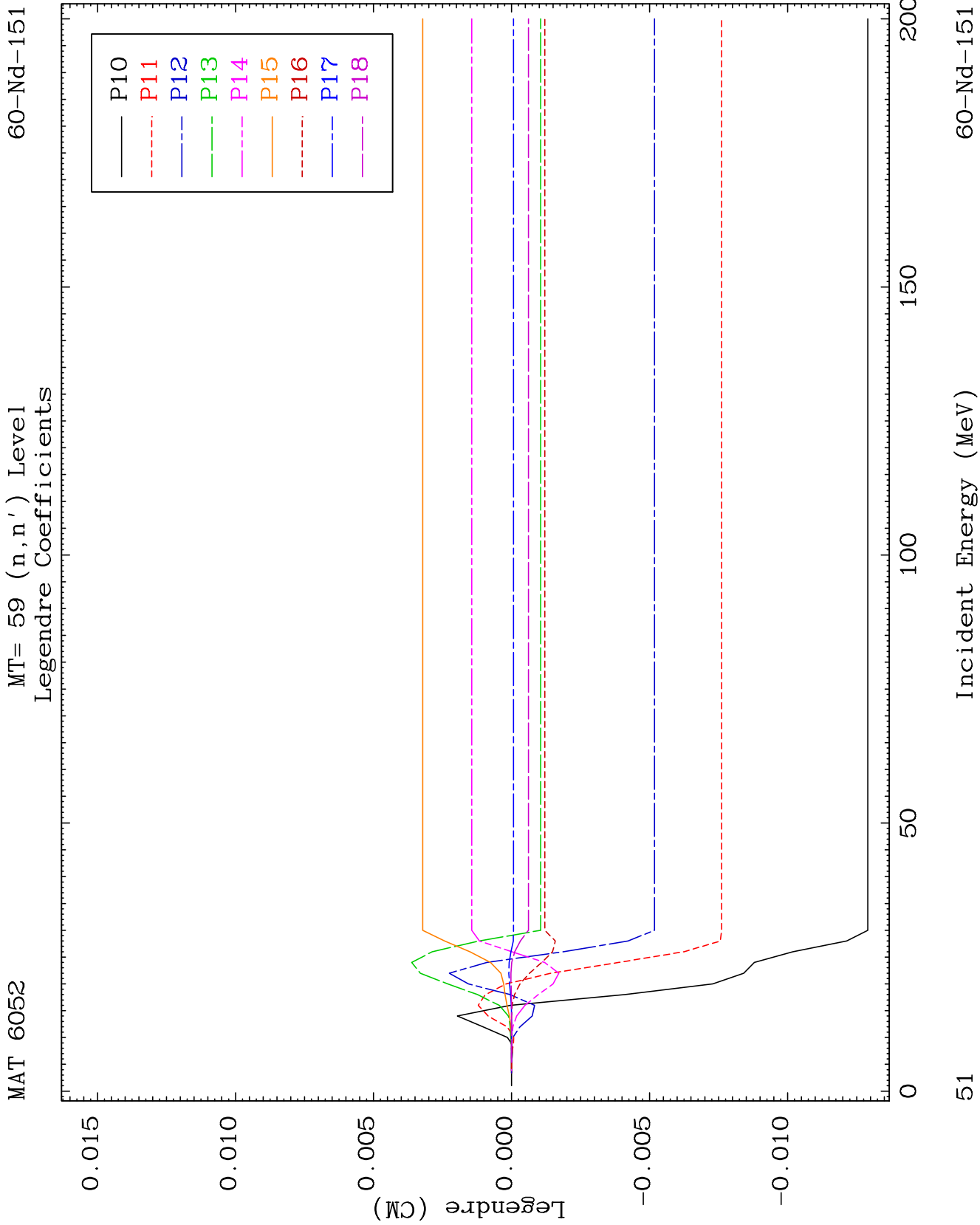
MT= 59 (n,n') Level  
Legendre Coefficients

60-Nd-151

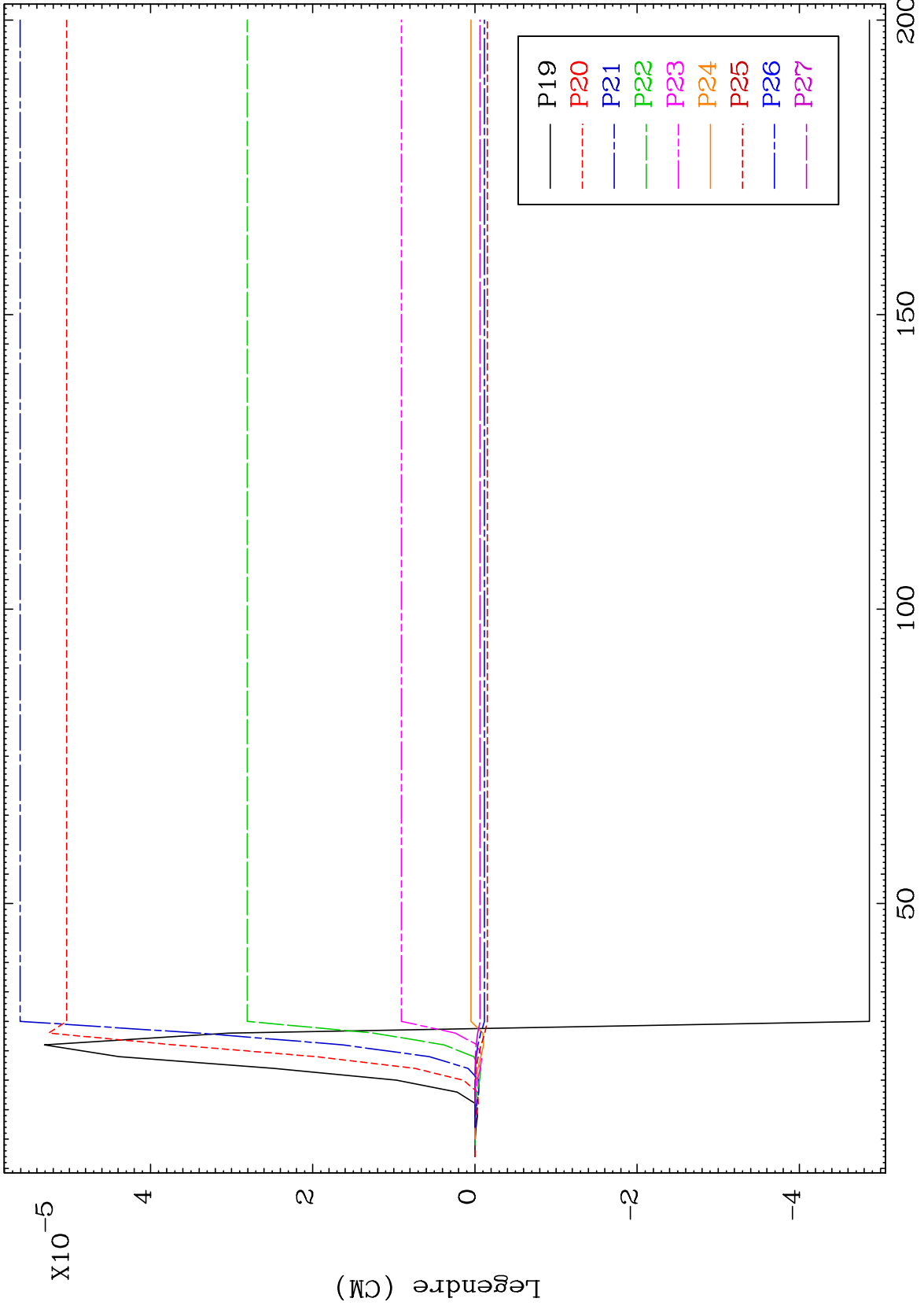


60-Nd-151

Incident Energy (MeV)

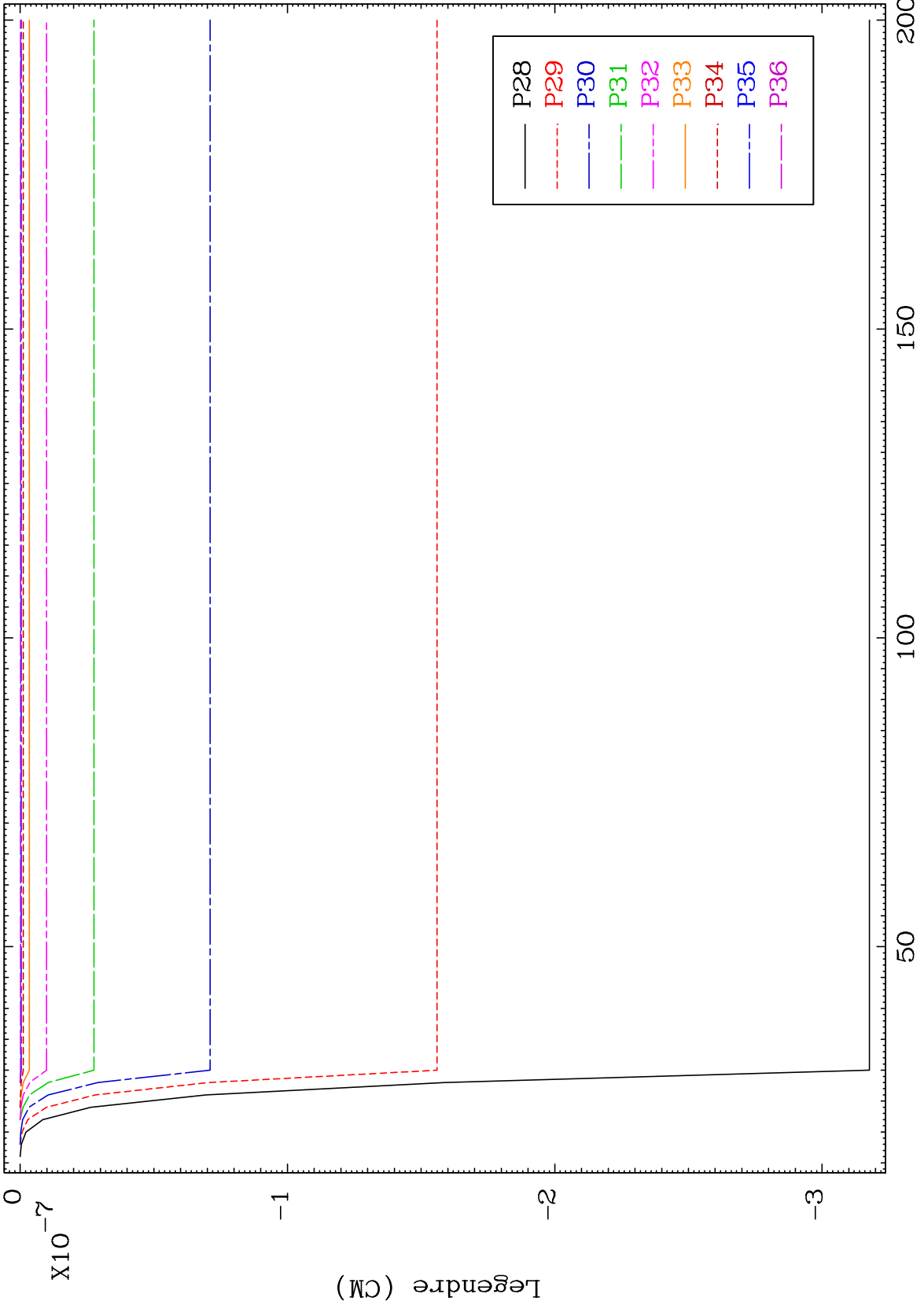


MAT 6052 MT= 59 (n,n') Level Legendre Coefficients 60-Nd-151



52 Incident Energy (MeV) 60-Nd-151

MAT 6052 MT= 59 (n,n') Level Legendre Coefficients 60-Nd-151

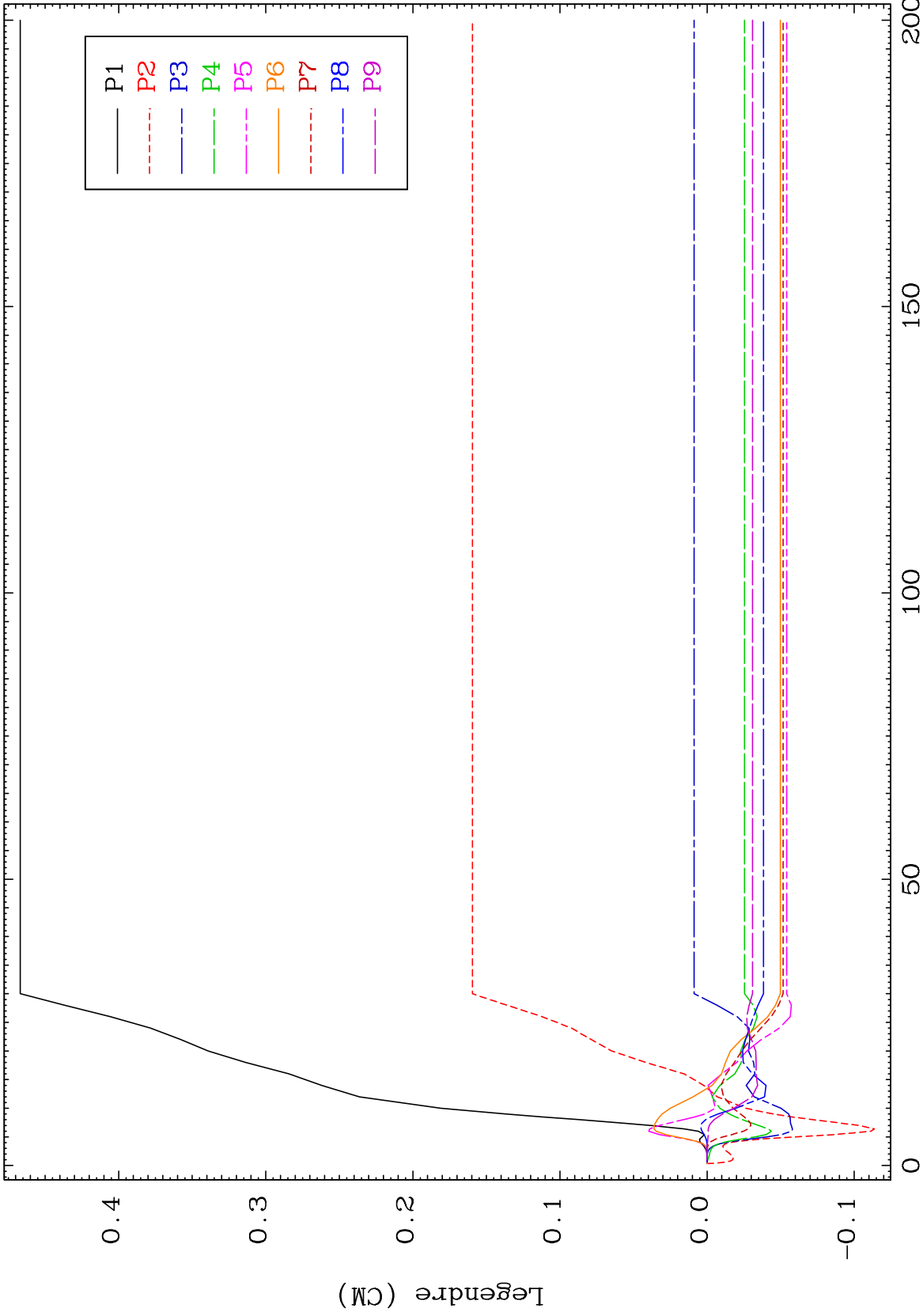


53 Incident Energy (MeV) 60-Nd-151

MAT 6052

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

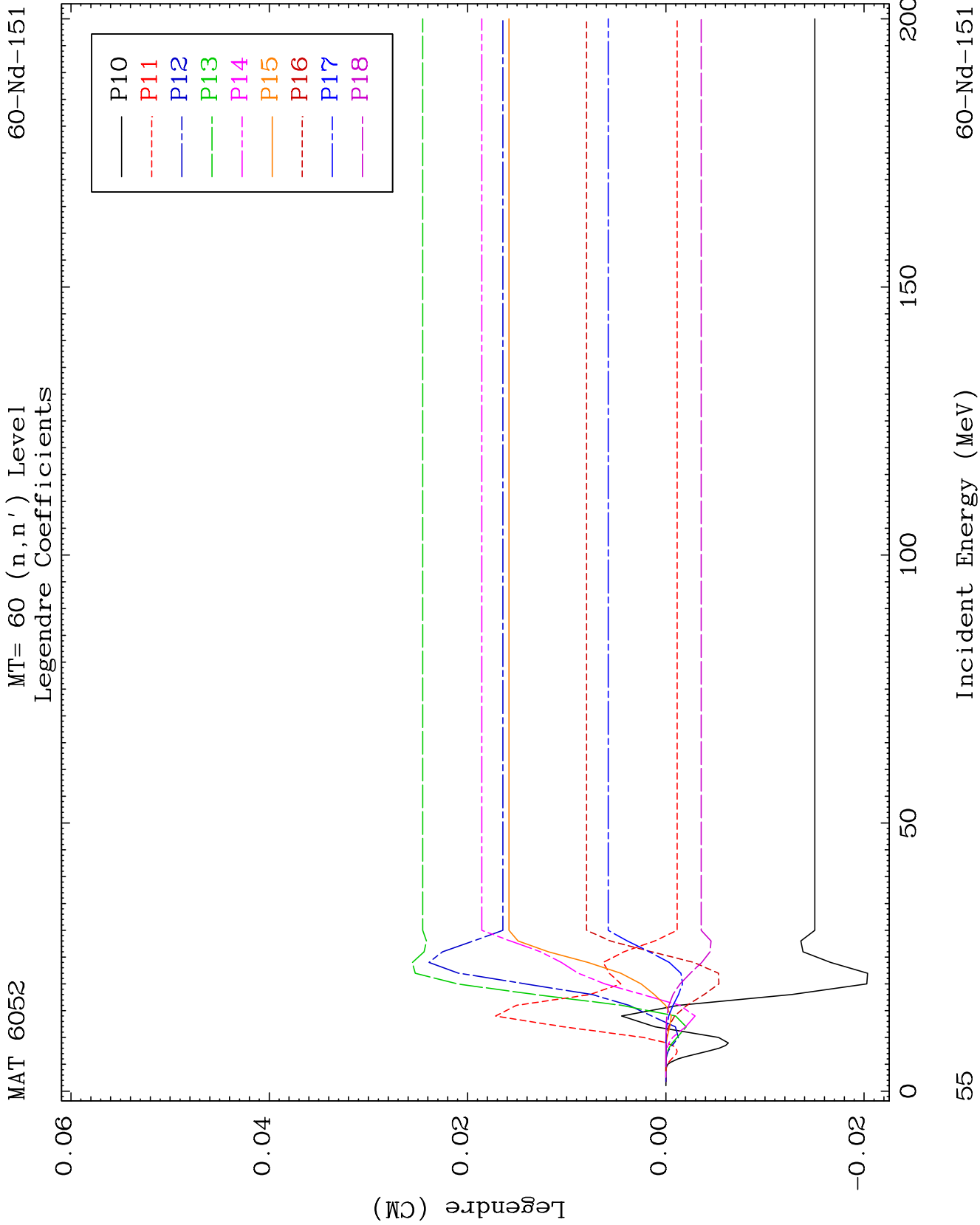
60-Nd-151



54

Incident Energy (MeV)

60-Nd-151

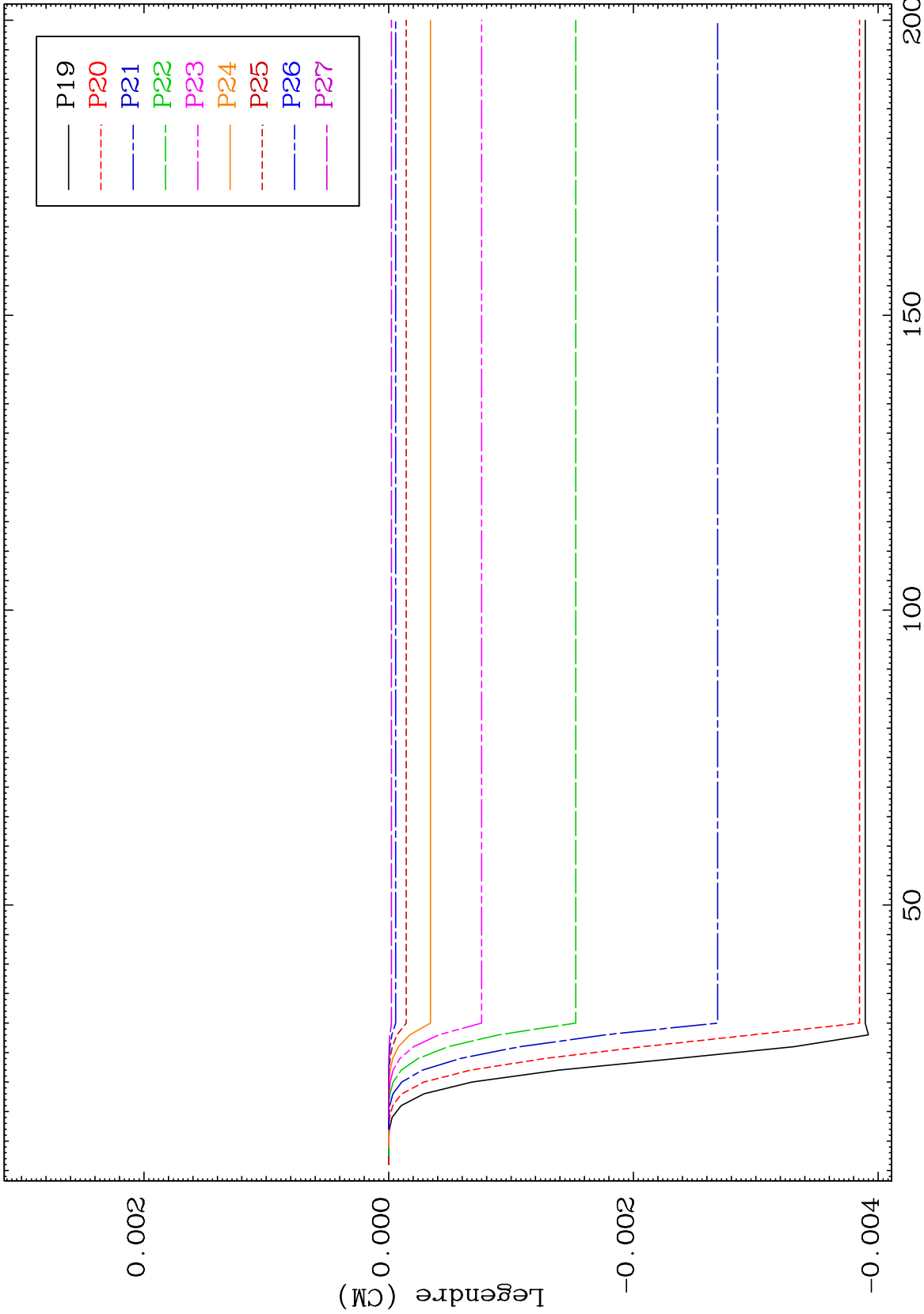




MAT 6052

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

60-Nd-151



56

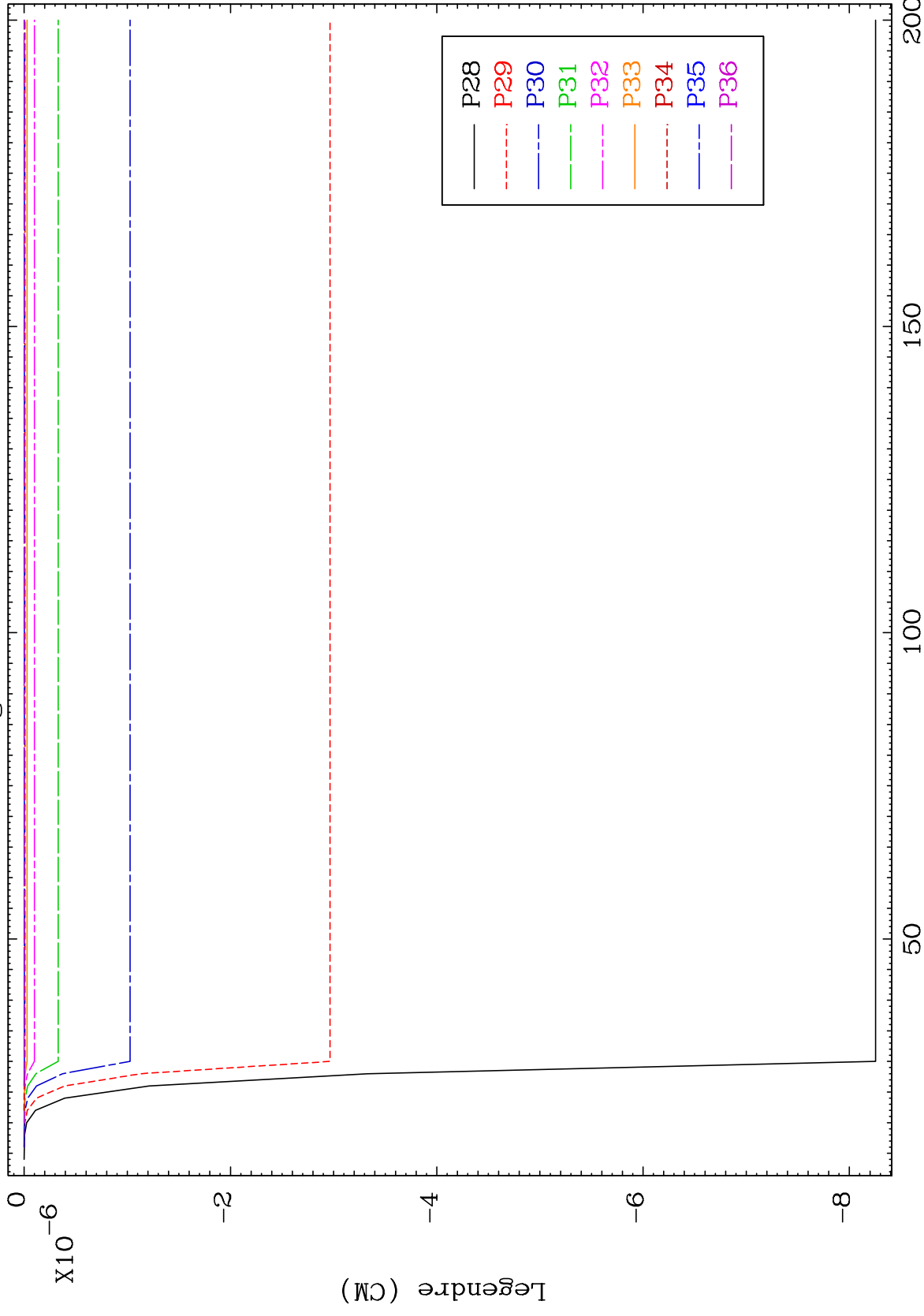
Incident Energy (MeV)

60-Nd-151

MAT 6052

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

60-Nd-151



60-Nd-151

Incident Energy (MeV)

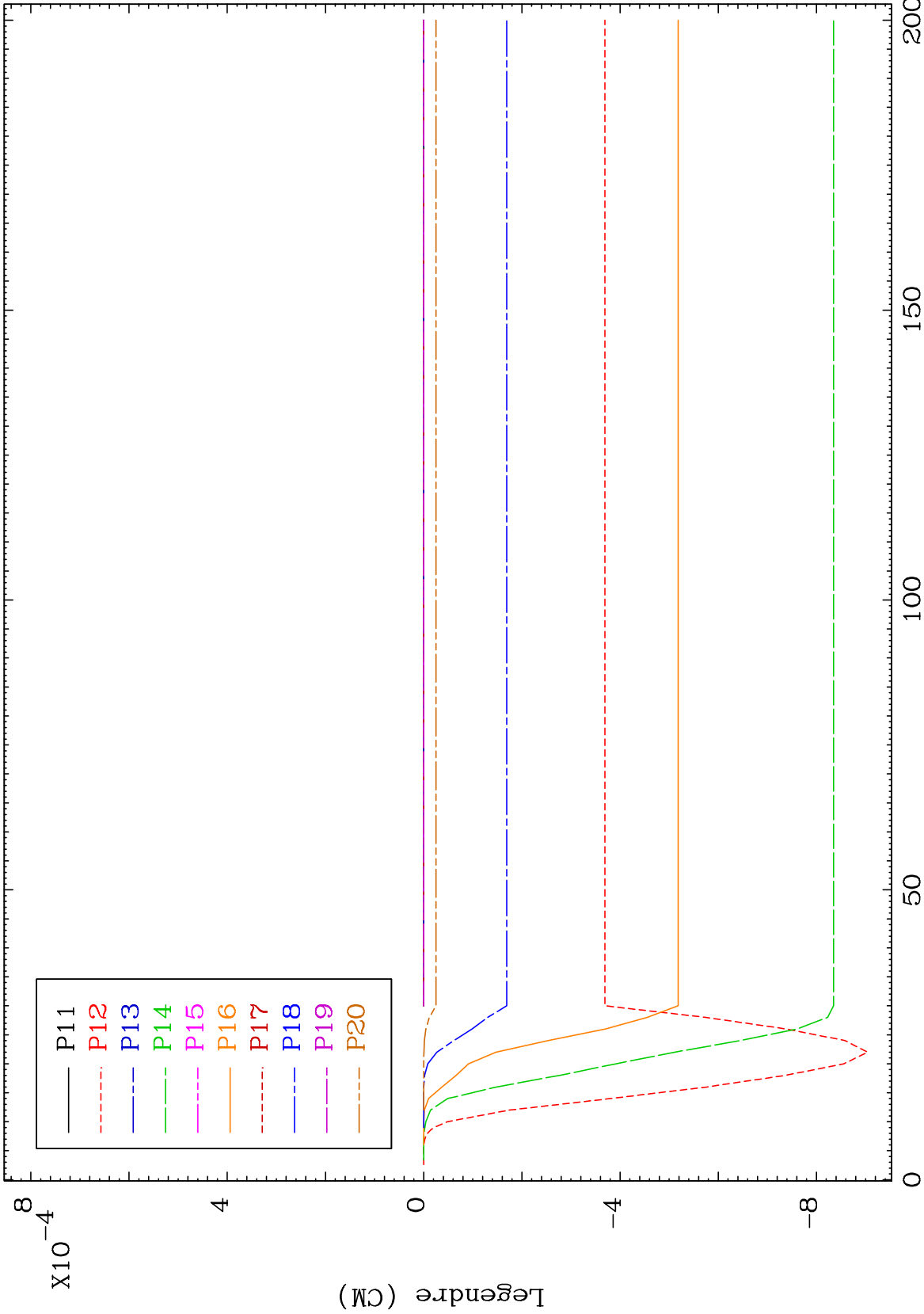
57



MAT 6052

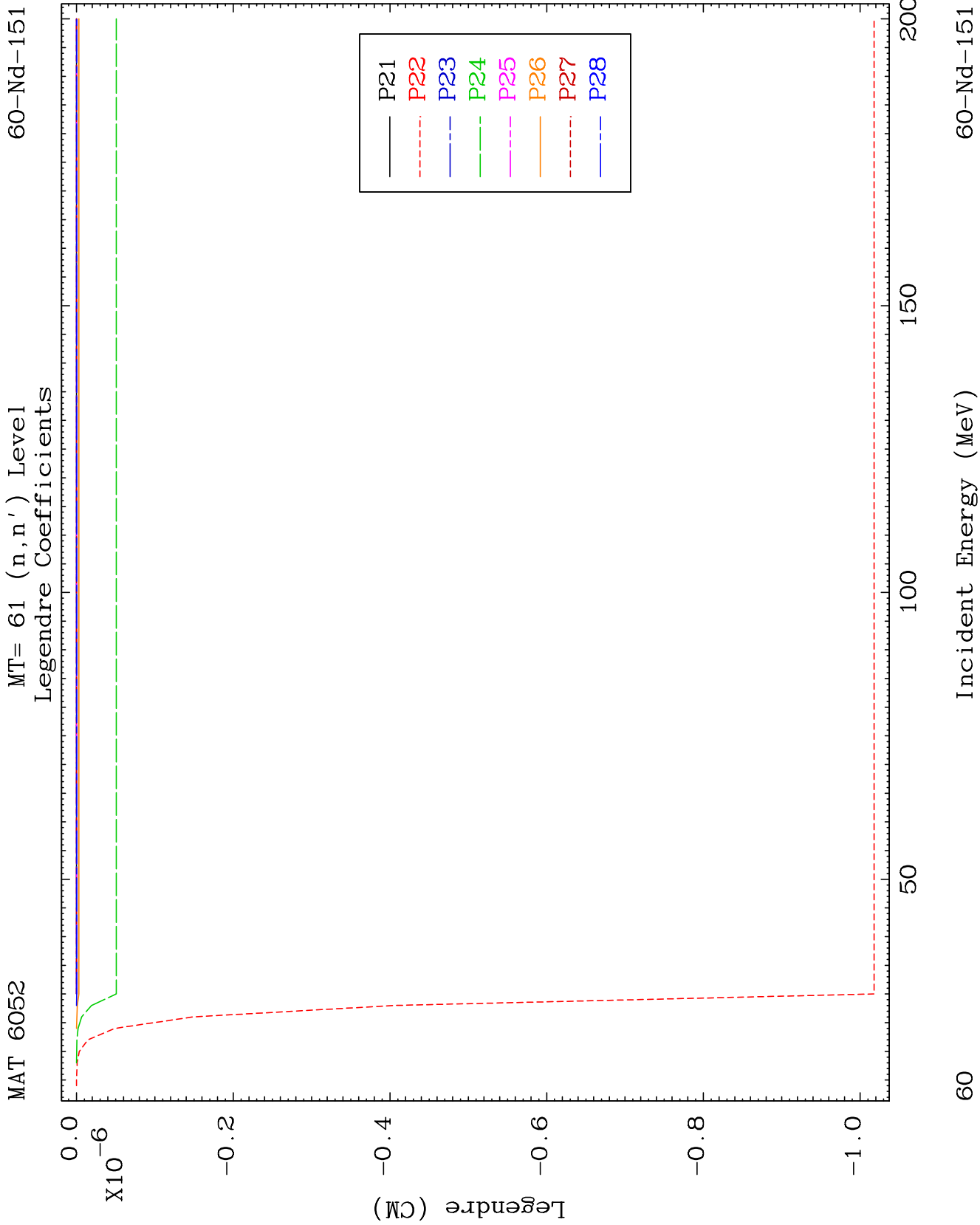
MT= 61 (n,n') Level  
Legendre Coefficients

60-Nd-151



59

60-Nd-151



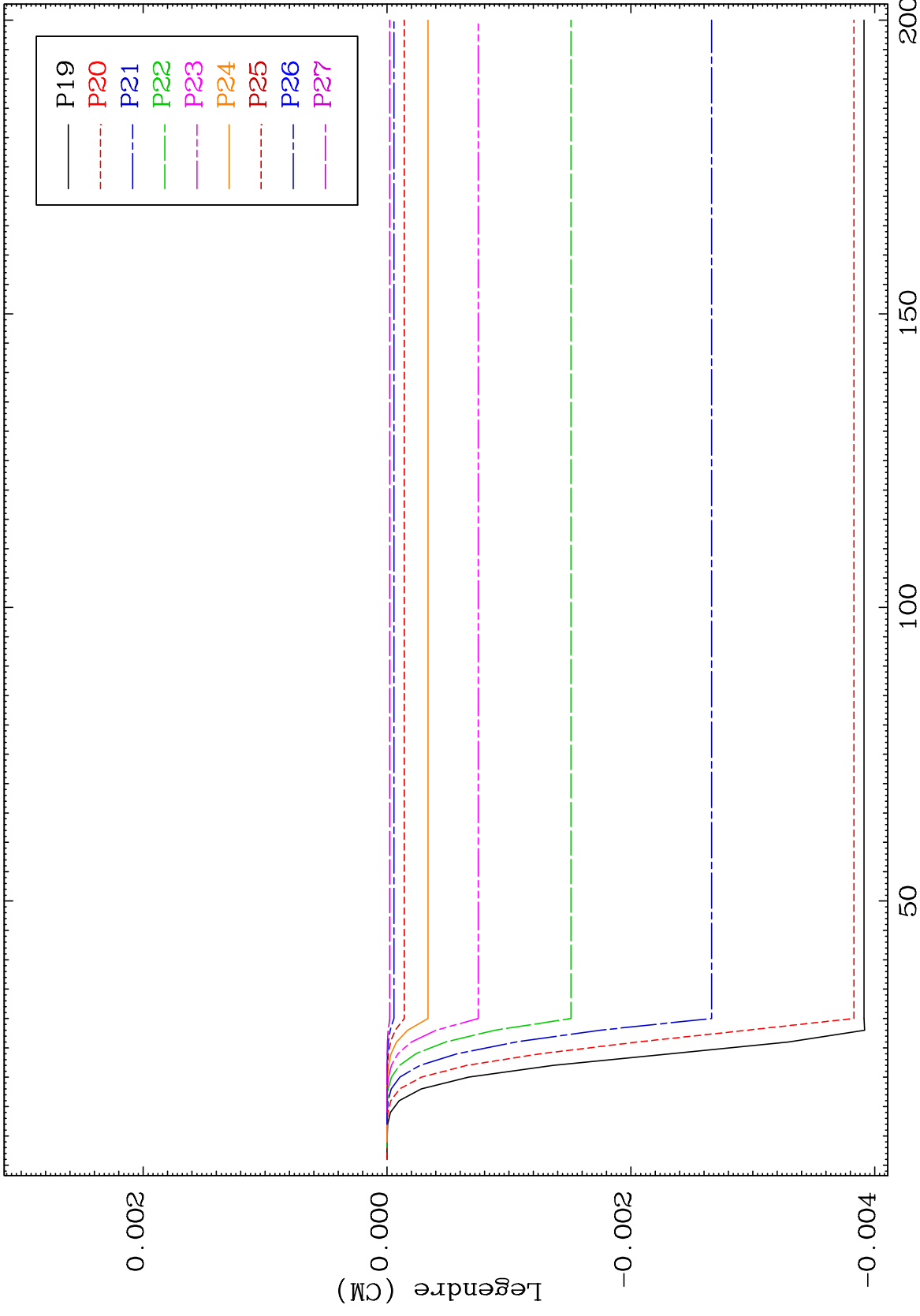




MAT 6052

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

60-Nd-151



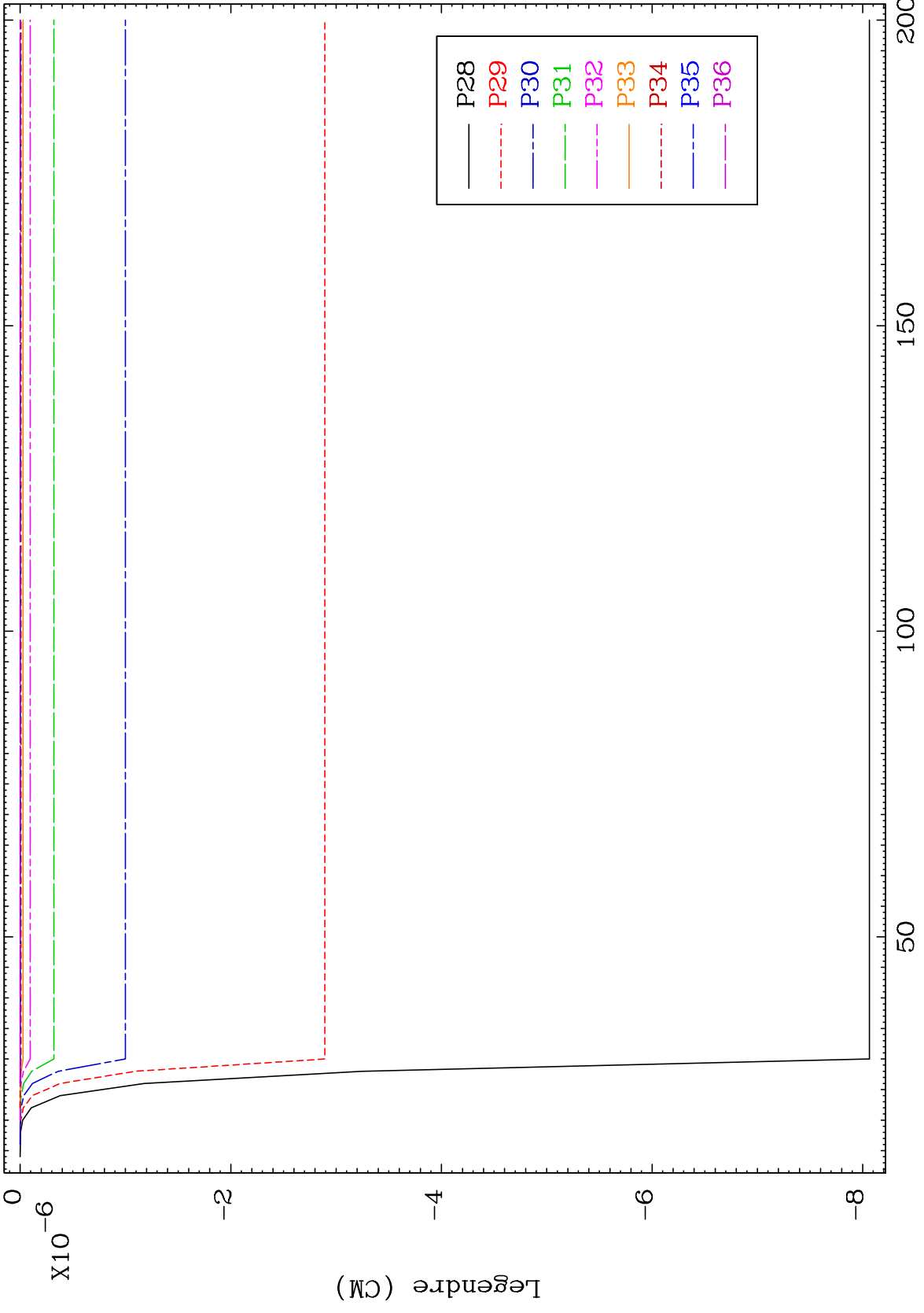
63

Incident Energy (MeV)

60-Nd-151

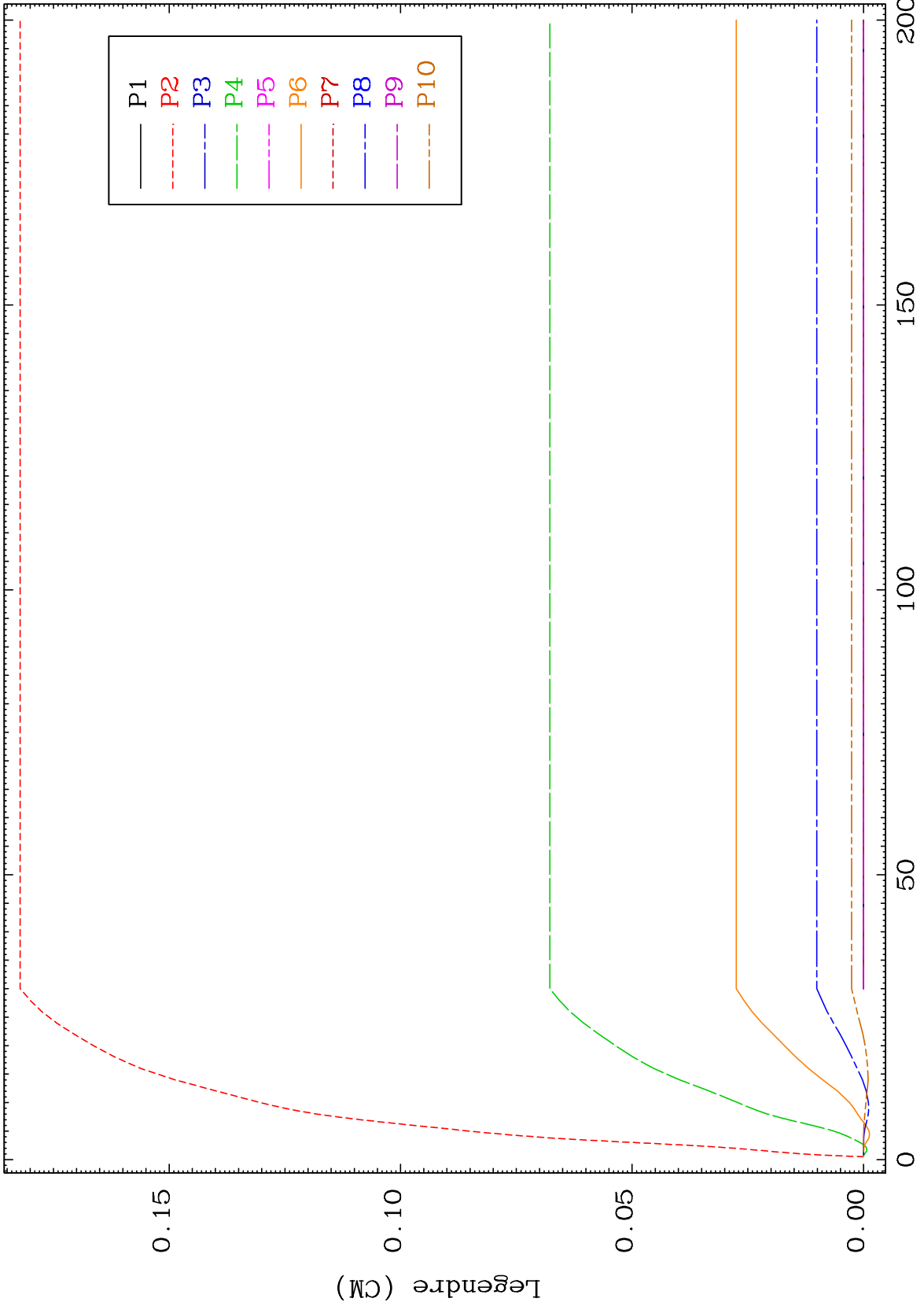


MAT 6052 MT= 62 (n,n') Level Legendre Coefficients 60-Nd-151



64 60-Nd-151

MAT 6052 MT= 63 (n,n') Level Legendre Coefficients 60-Nd-151

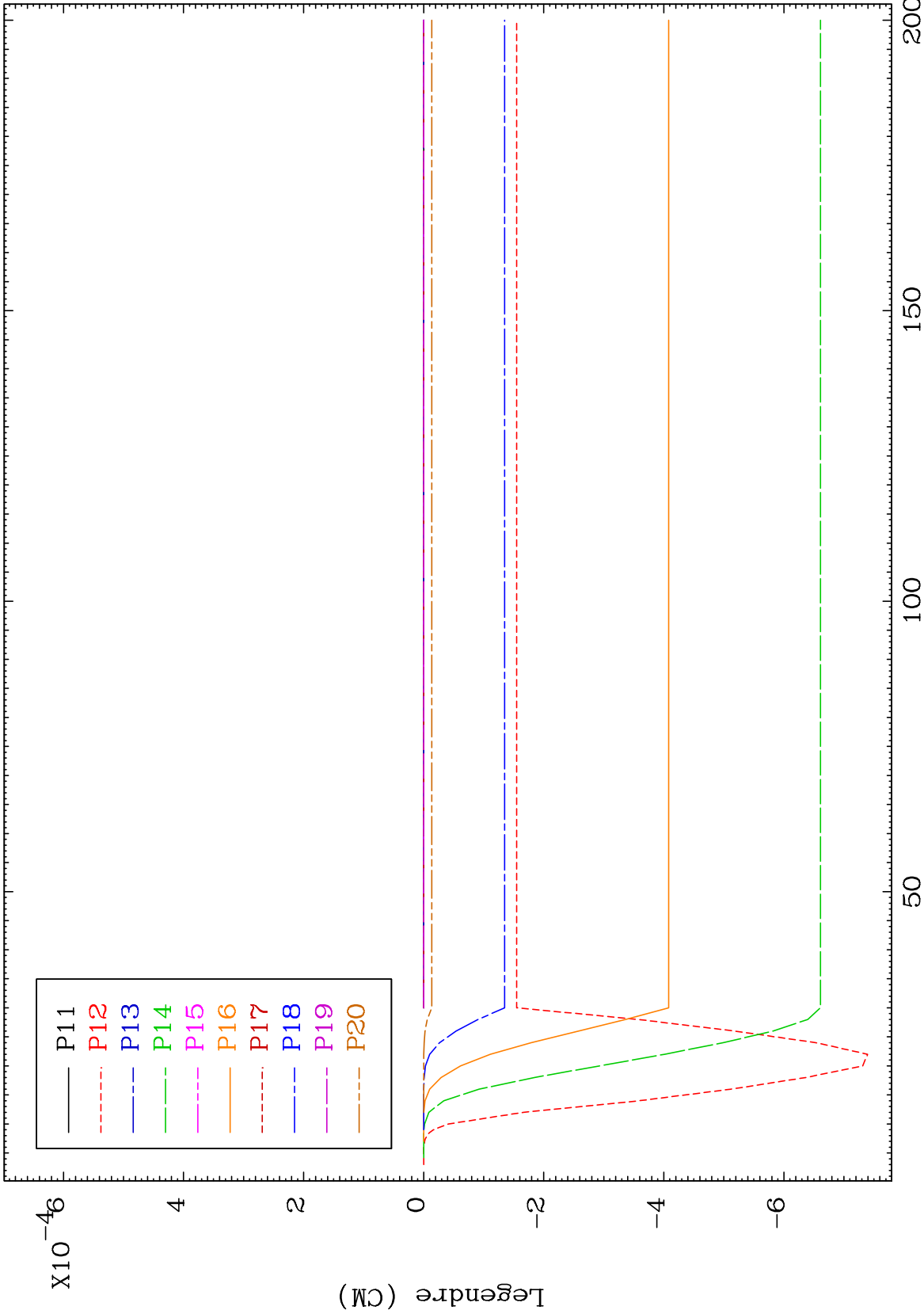


65 60-Nd-151

MAT 6052

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

60-Nd-151



66

Incident Energy (MeV)

60-Nd-151

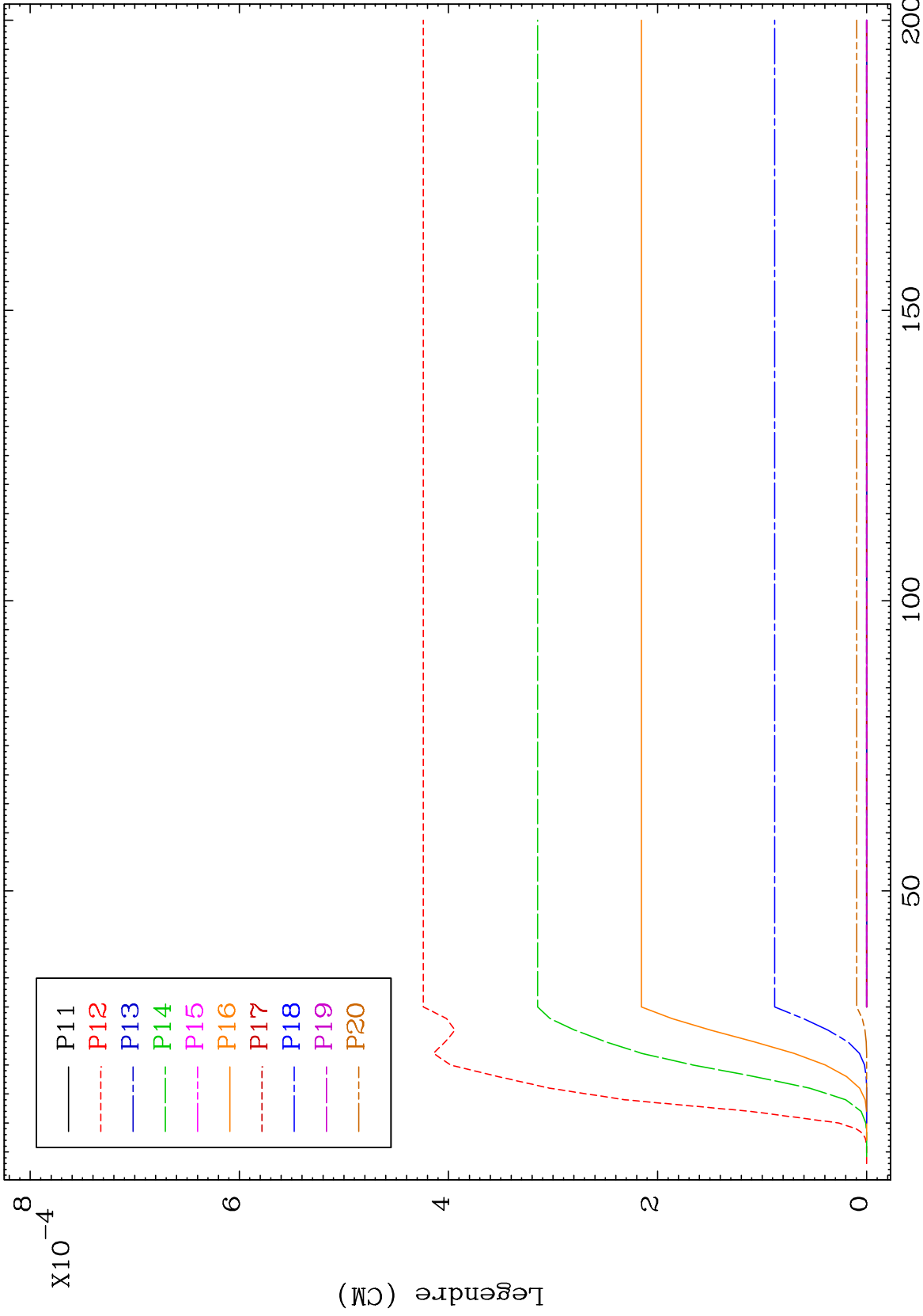




MAT 6052

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

60-Nd-151

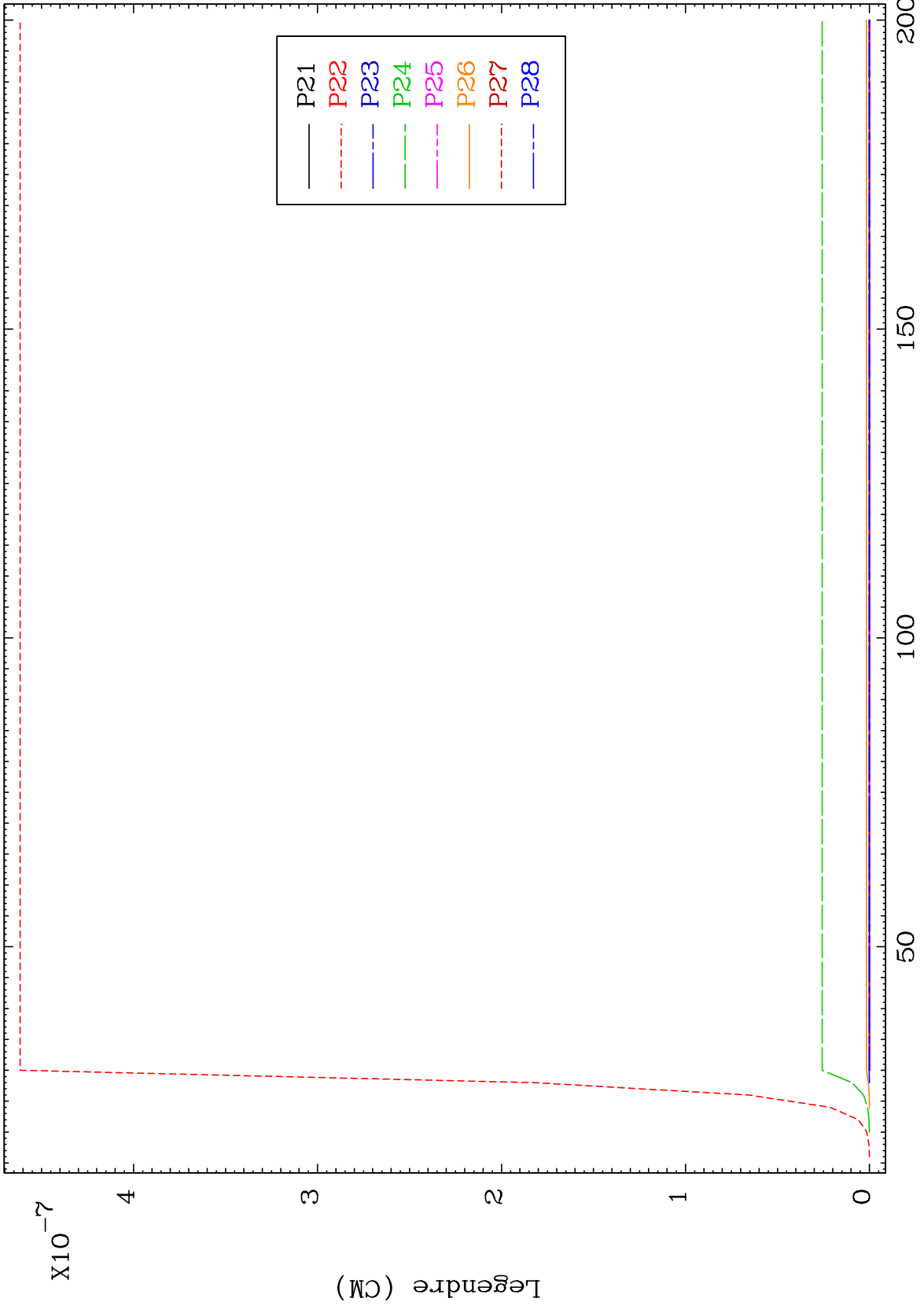


69

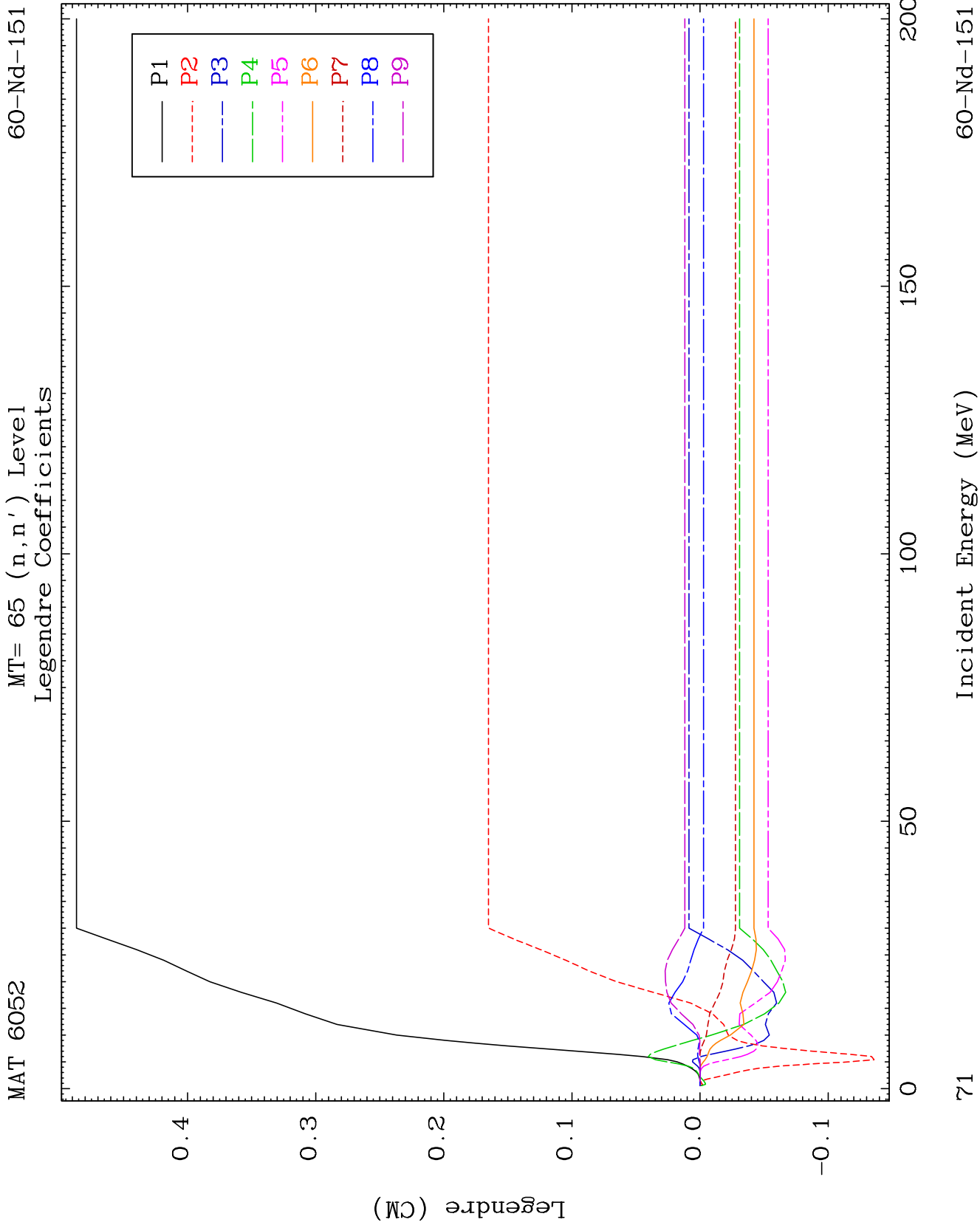
Incident Energy (MeV)

60-Nd-151

MAT 6052 MT= 64 (n,n') Level Legendre Coefficients 60-Nd-151



70 Incident Energy (MeV) 60-Nd-151

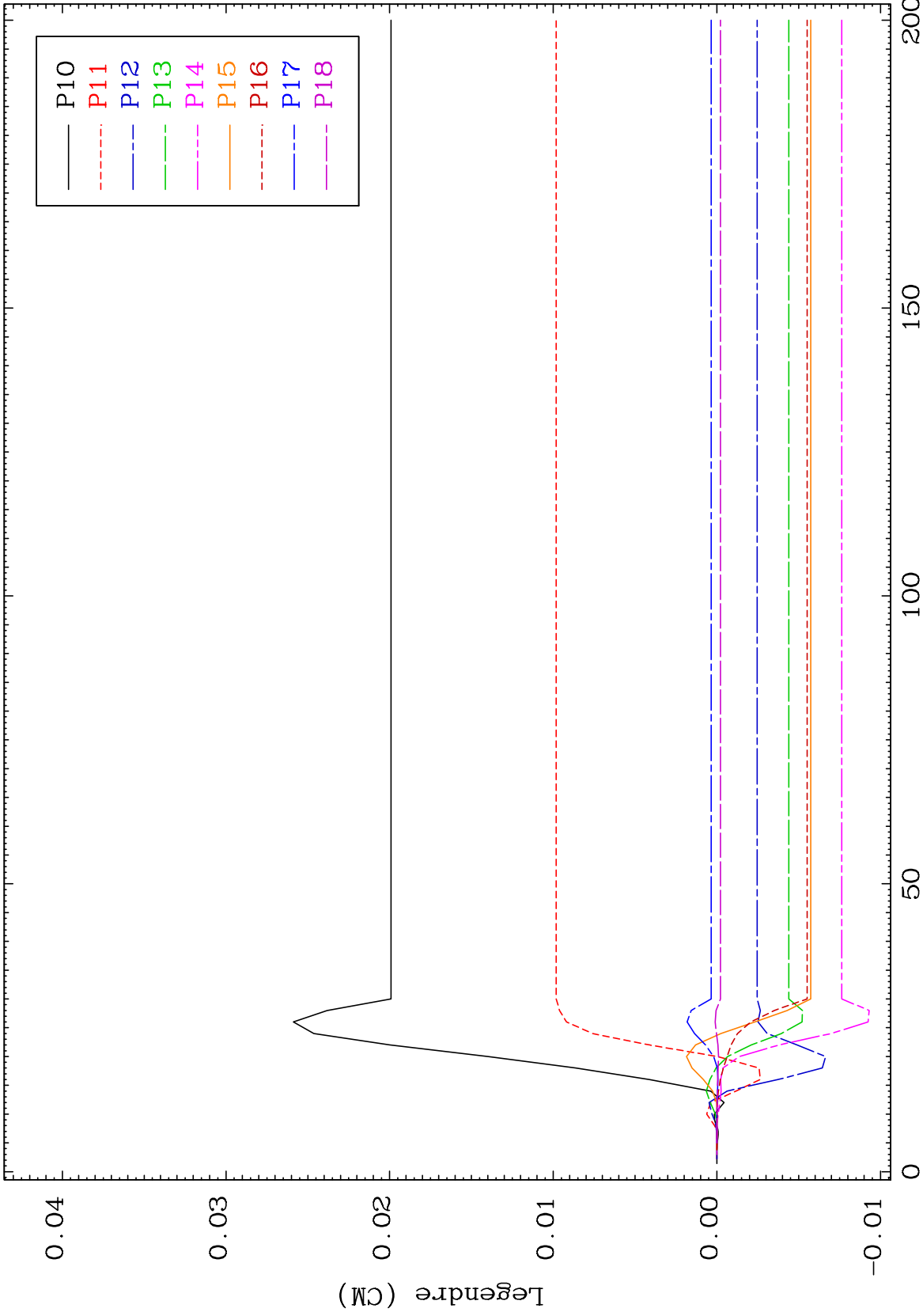




MAT 6052

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

60-Nd-151



72

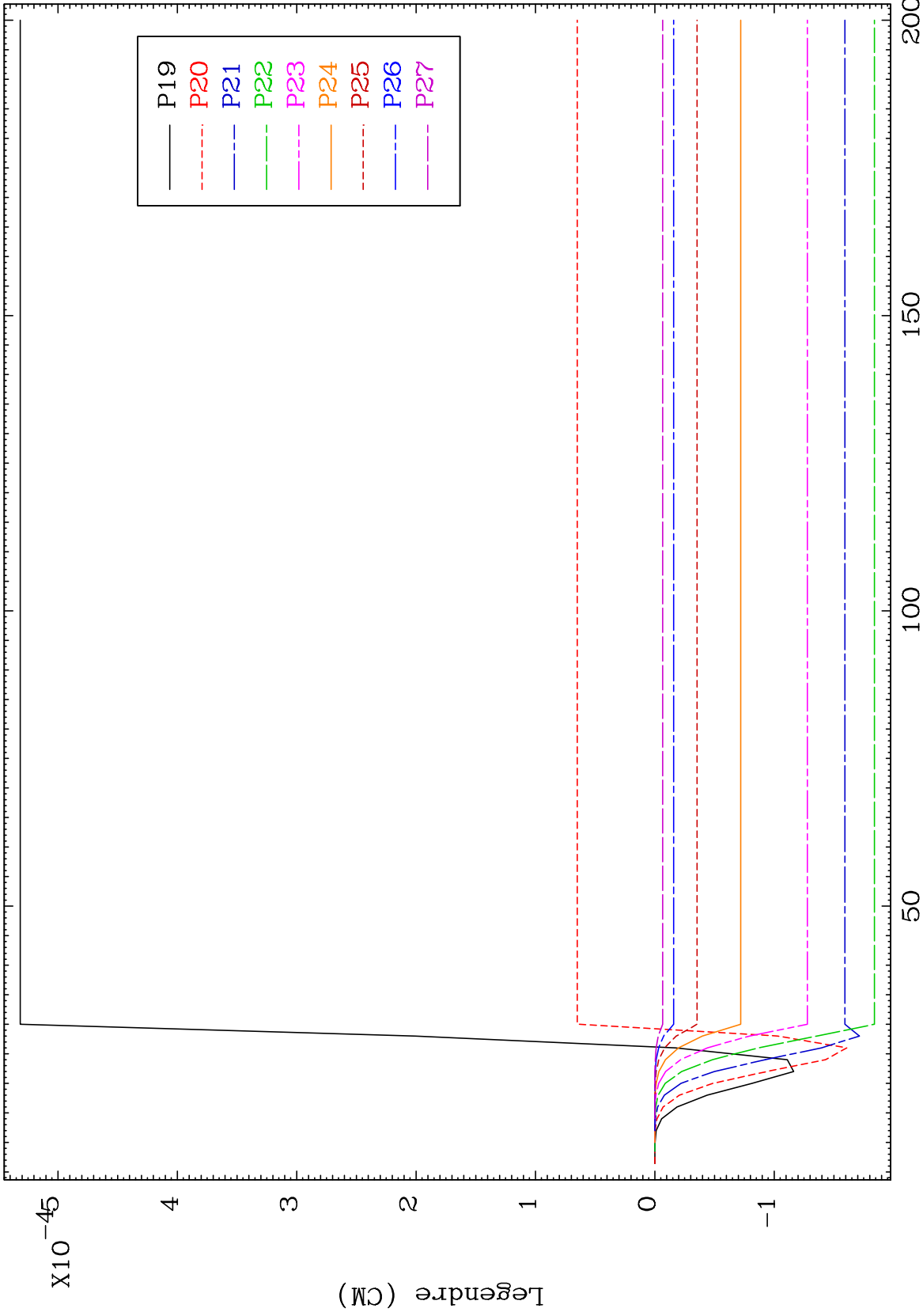
Incident Energy (MeV)

60-Nd-151

MAT 6052

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

60-Nd-151



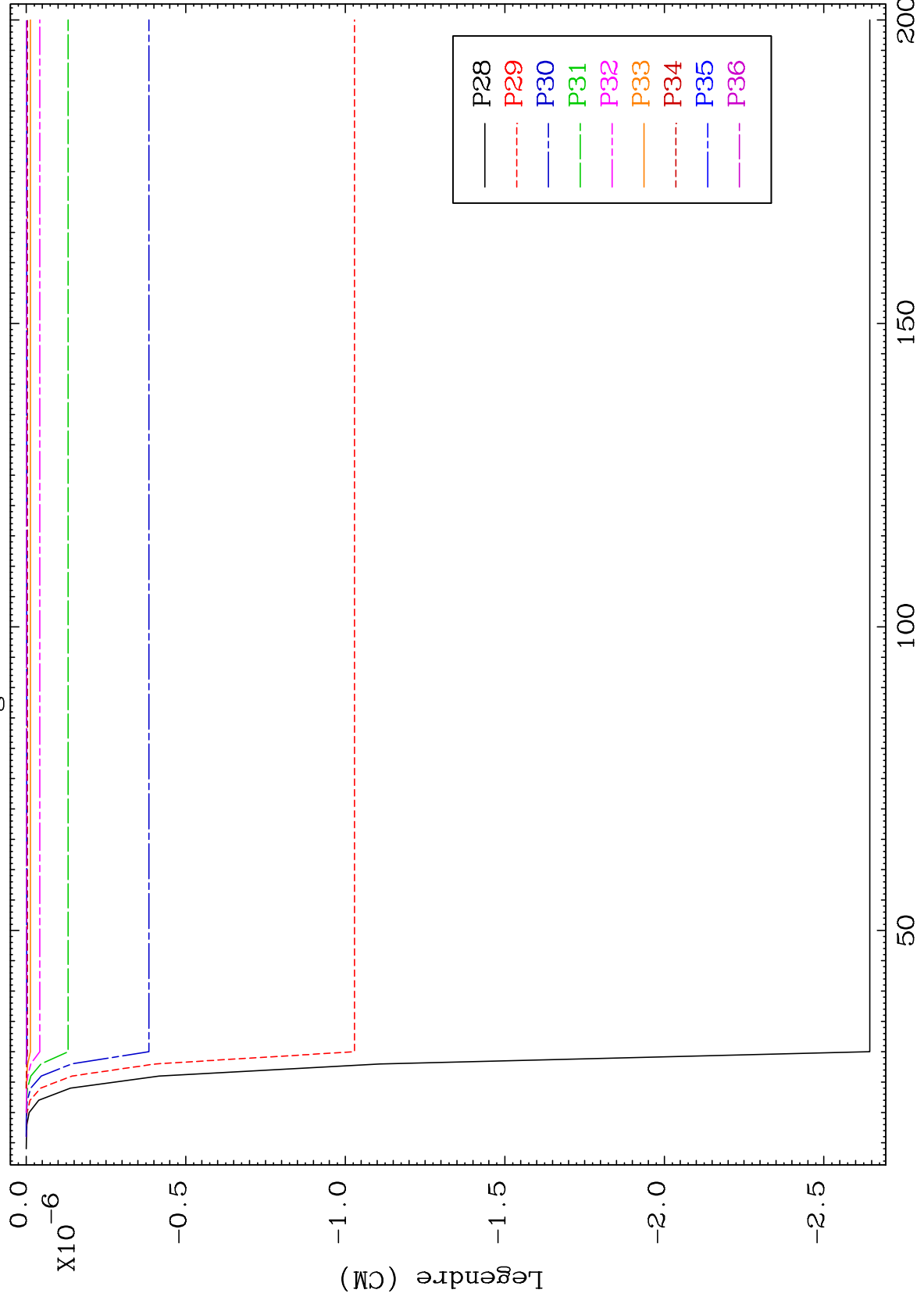
73

60-Nd-151

MAT 6052

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

60-Nd-151



60-Nd-151

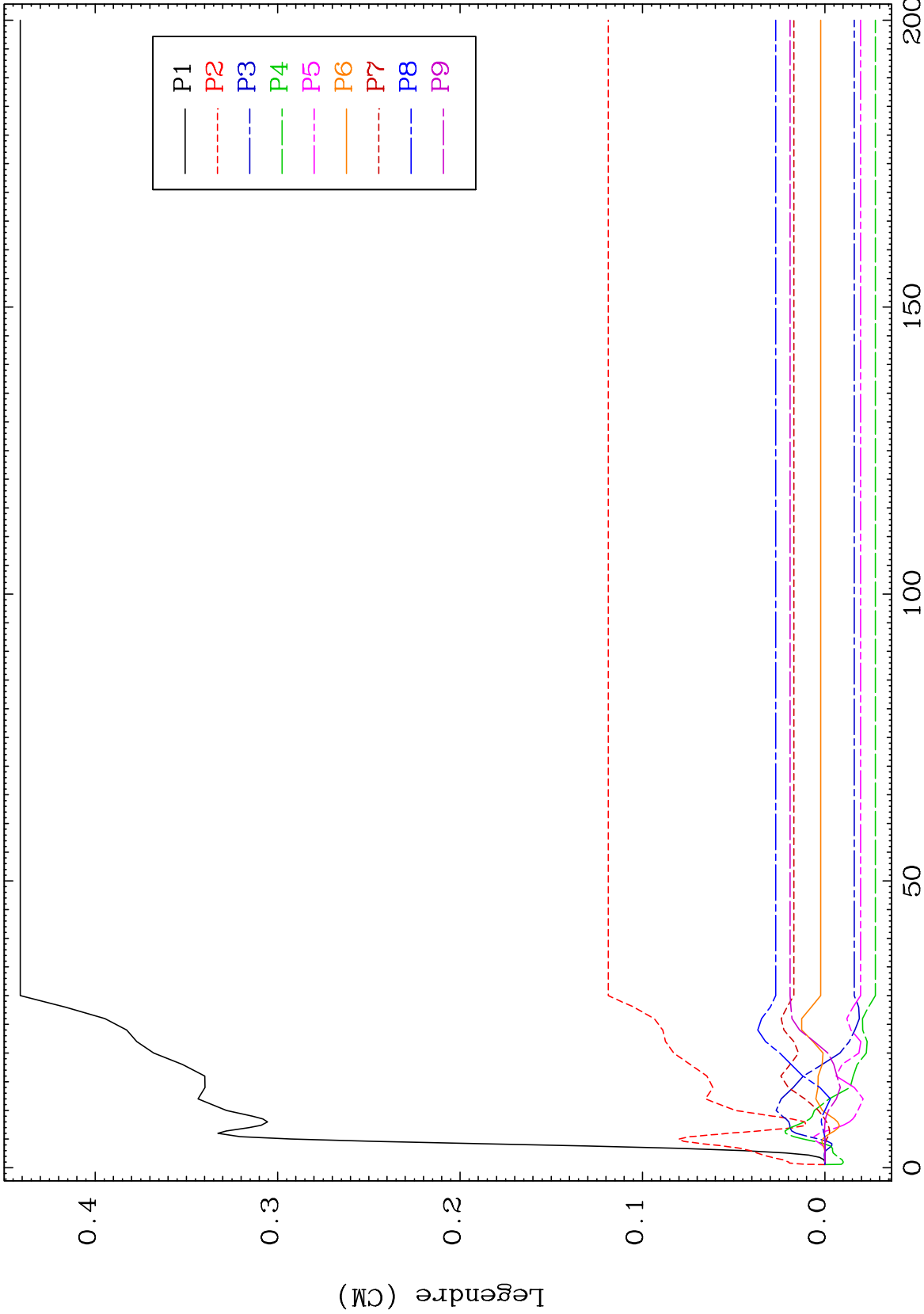
Incident Energy (MeV)

74

MAT 6052

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

60-Nd-151



75

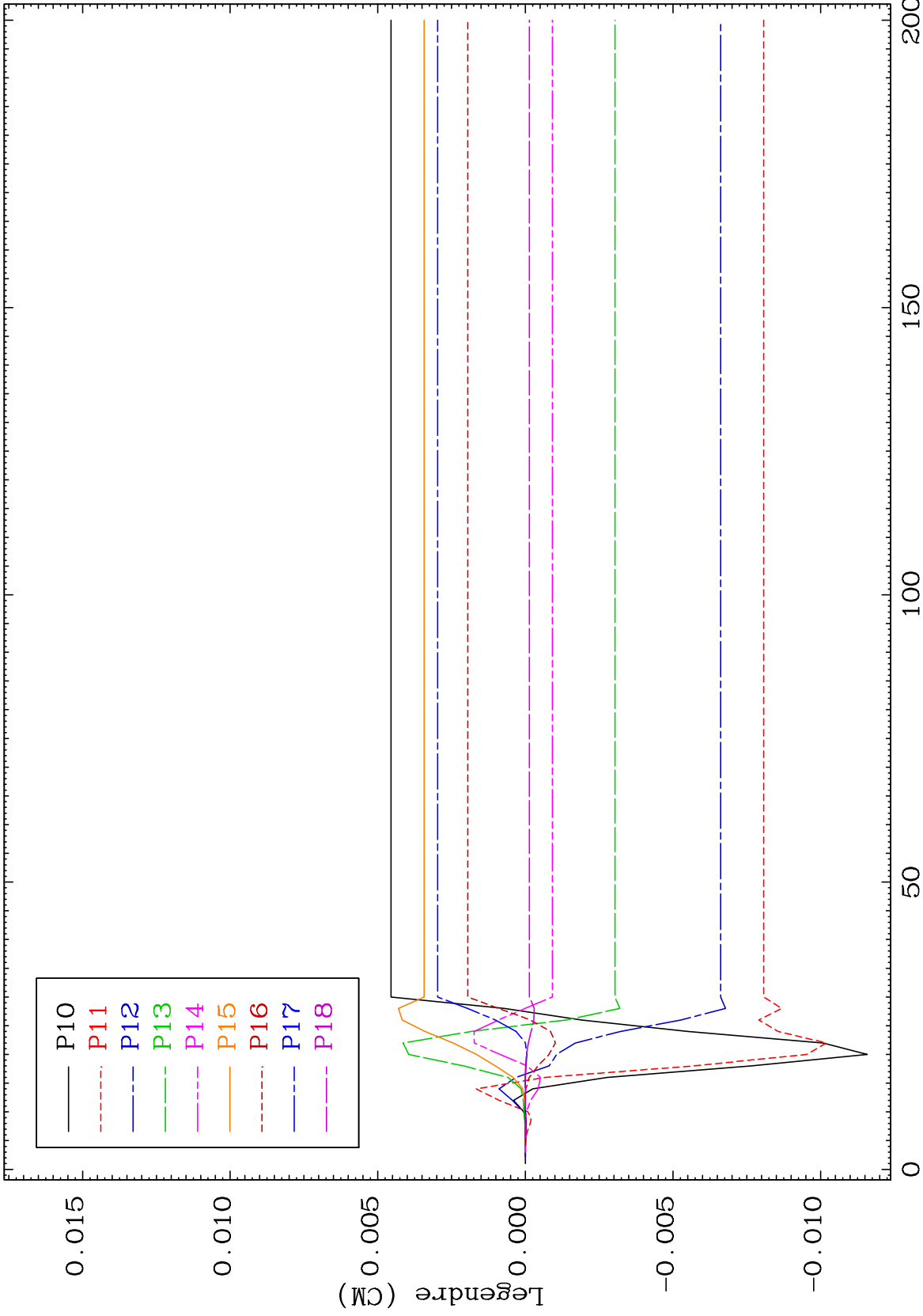
Incident Energy (MeV)

60-Nd-151

MAT 6052

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

60-Nd-151

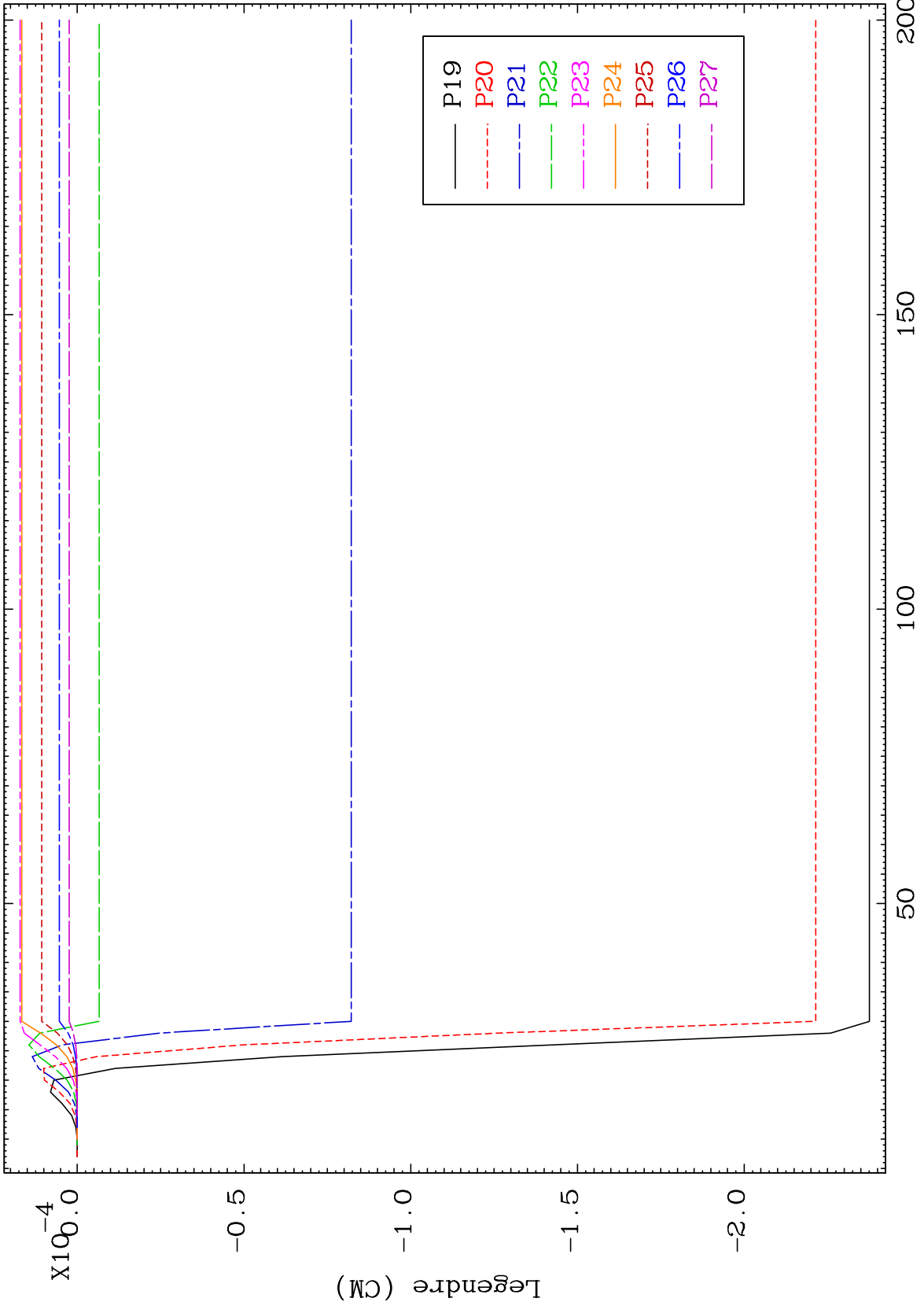


76

Incident Energy (MeV)

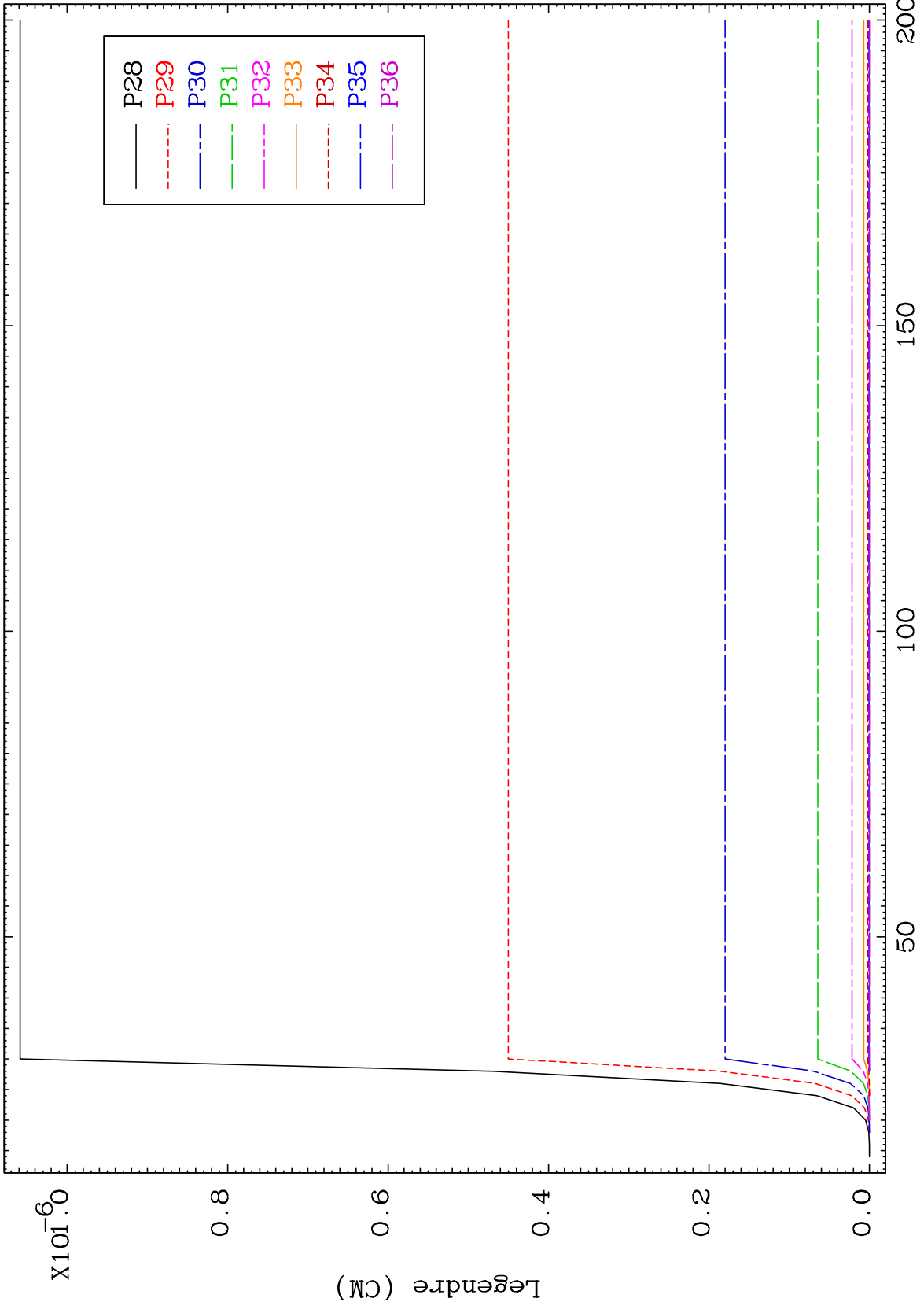
60-Nd-151

MAT 6052 MT= 66 (n,n') Level Legendre Coefficients 60-Nd-151



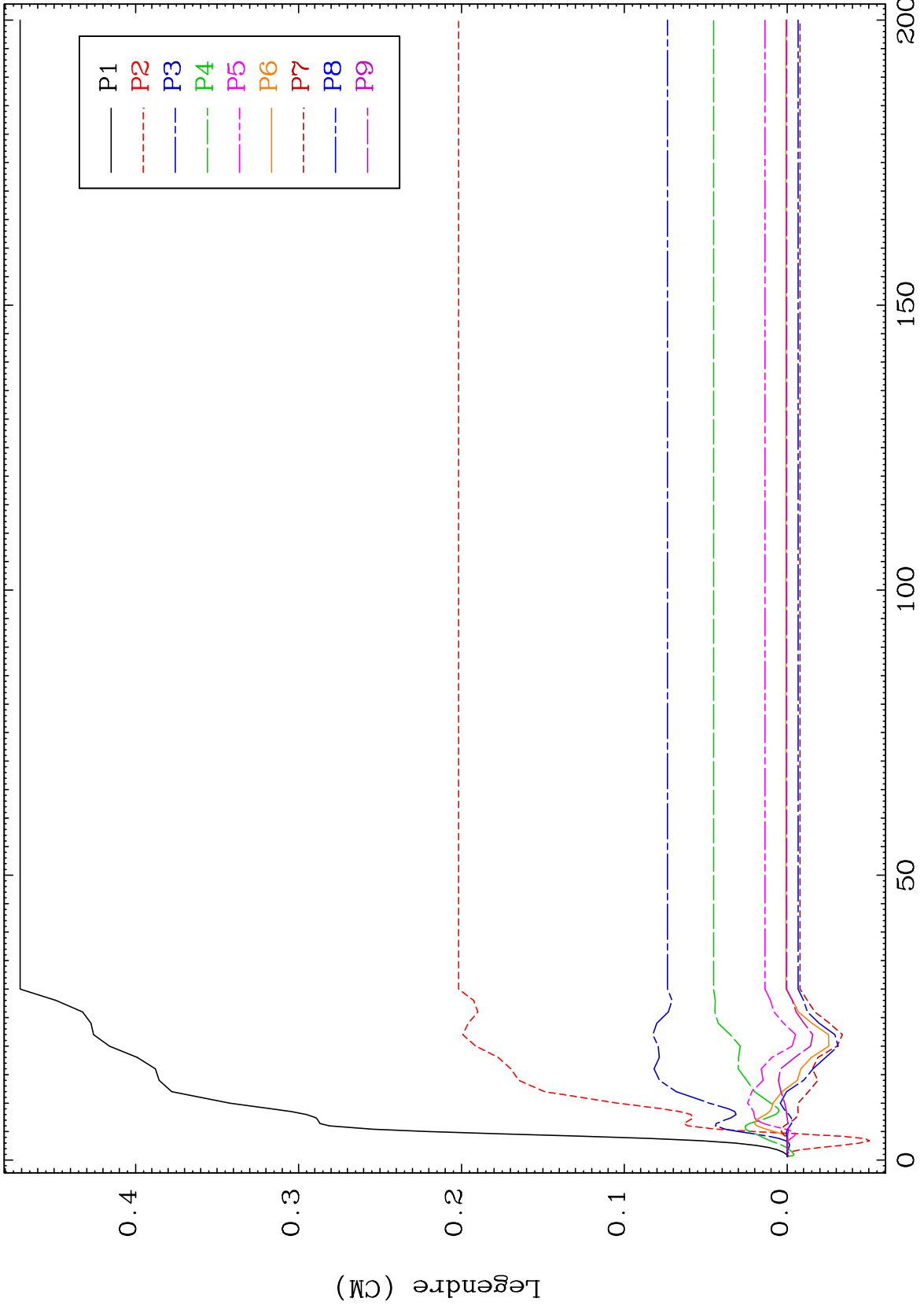
77 60-Nd-151

MAT 6052 MT= 66 (n,n') Level Legendre Coefficients 60-Nd-151



78 60-Nd-151

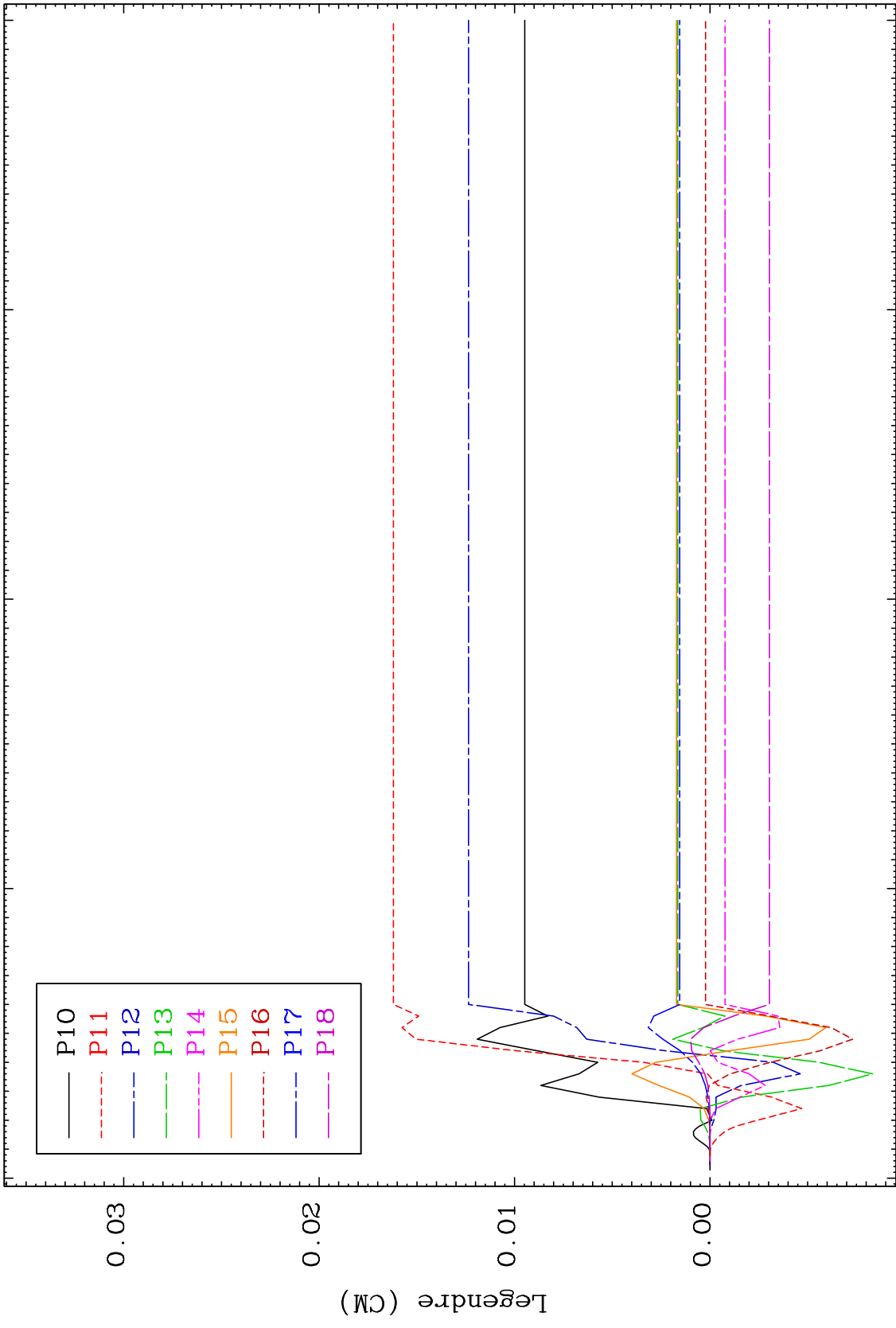
MAT 6052 MT= 67 (n,n') Level Legendre Coefficients 60-Nd-151



79 60-Nd-151



MAT 6052 MT= 67 (n,n') Level Legendre Coefficients 60-Nd-151

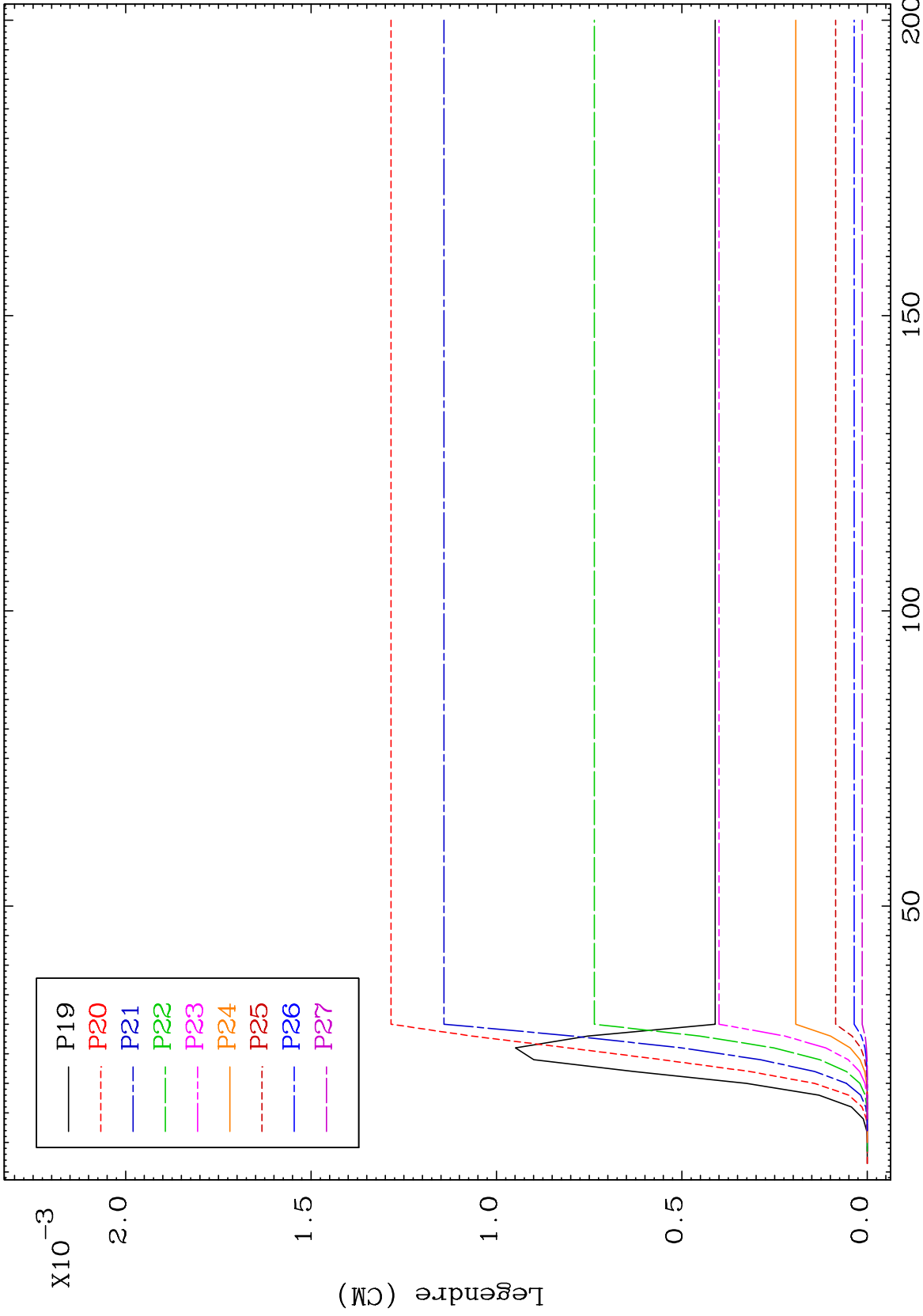


80 Incident Energy (MeV) 60-Nd-151

MAT 6052

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

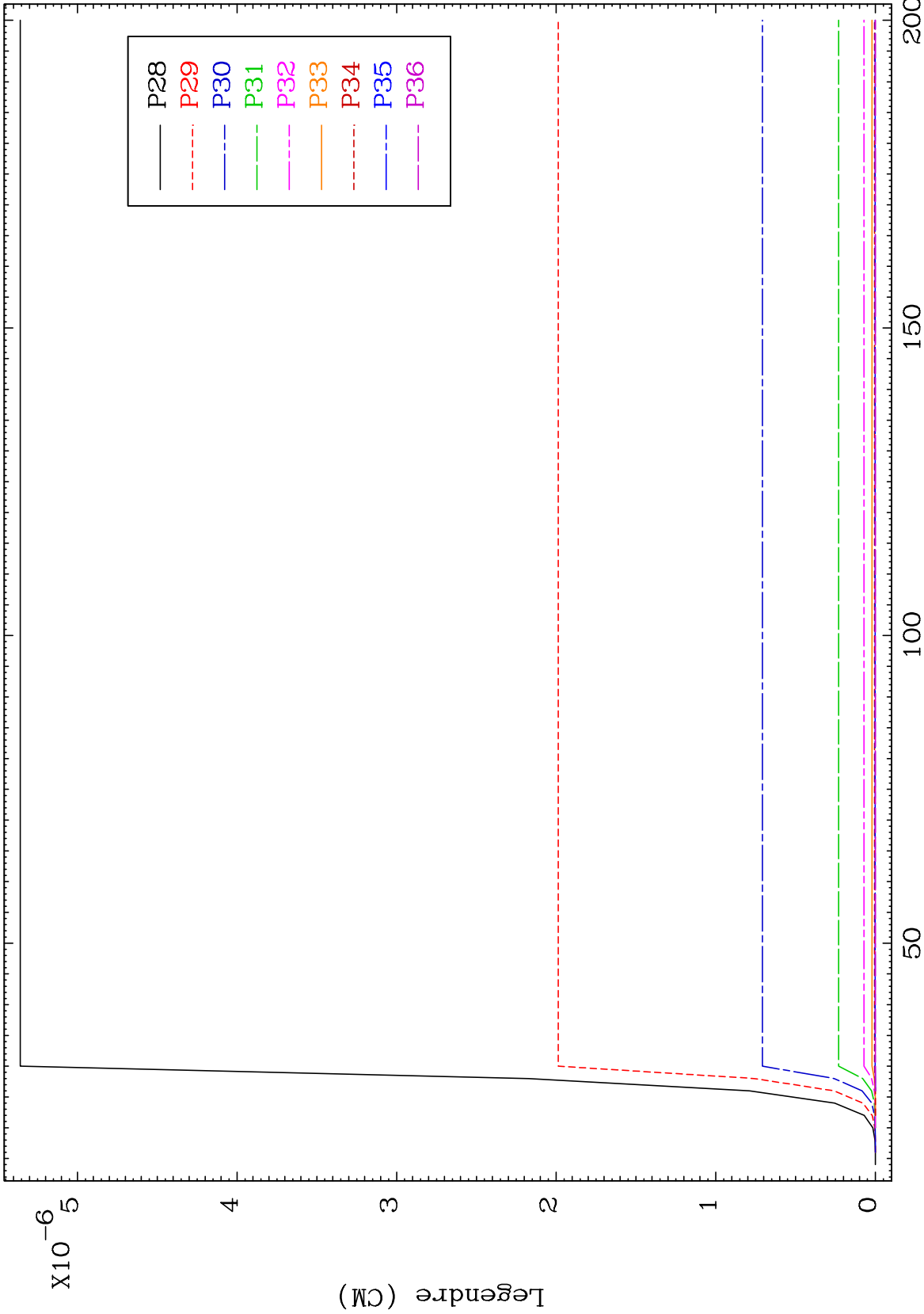
60-Nd-151



MAT 6052

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

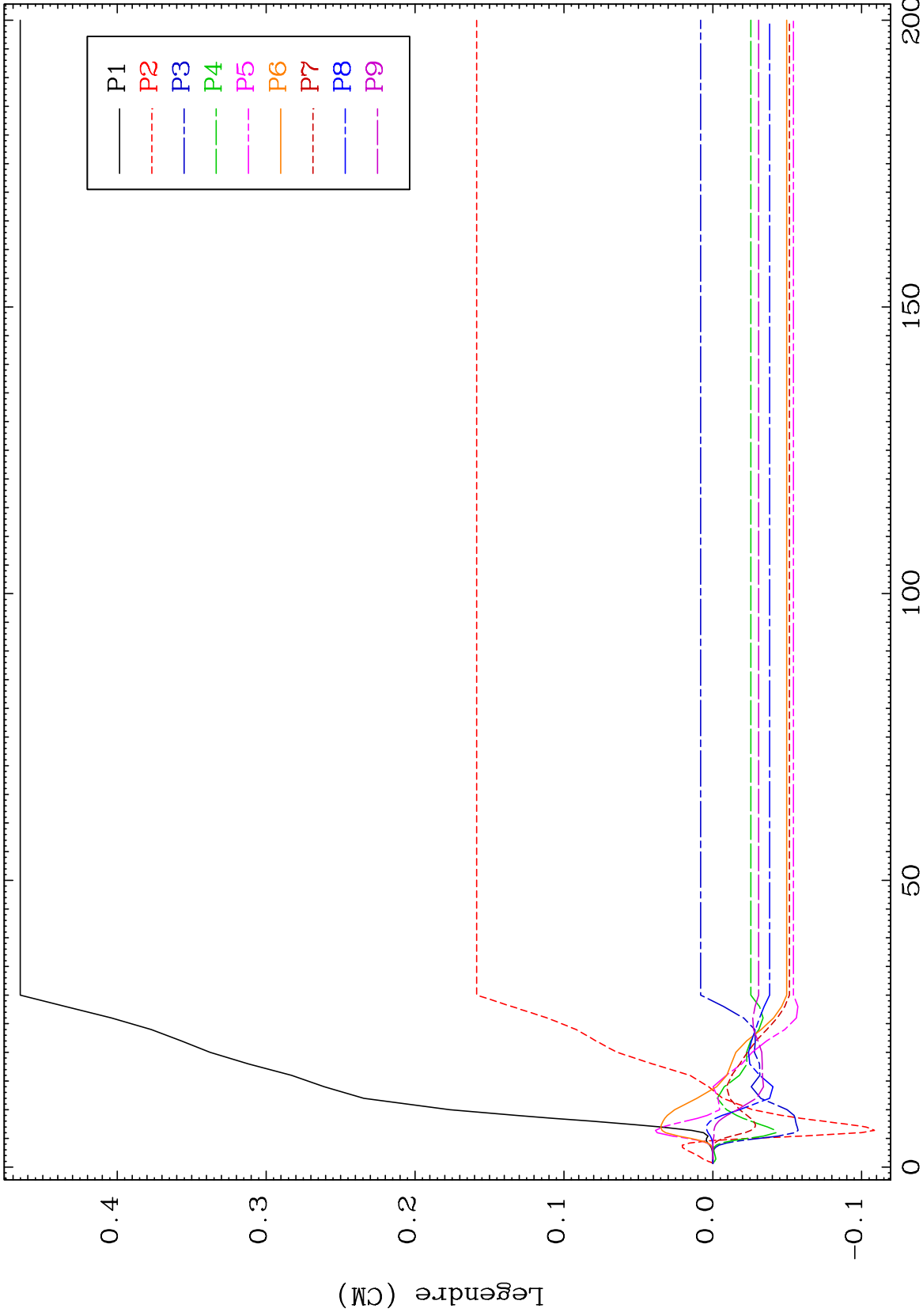
60-Nd-151



MAT 6052

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

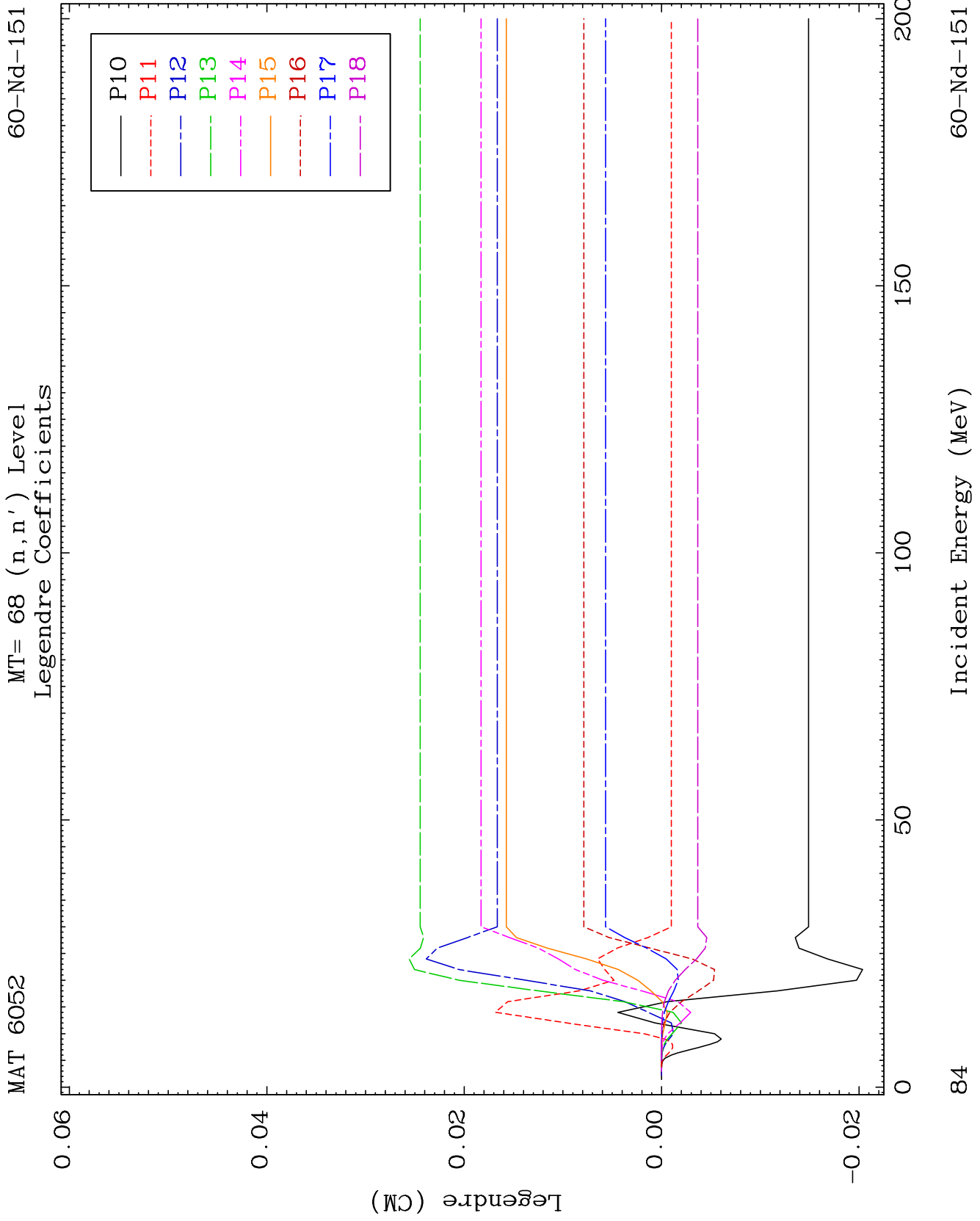
60-Nd-151



83

Incident Energy (MeV)

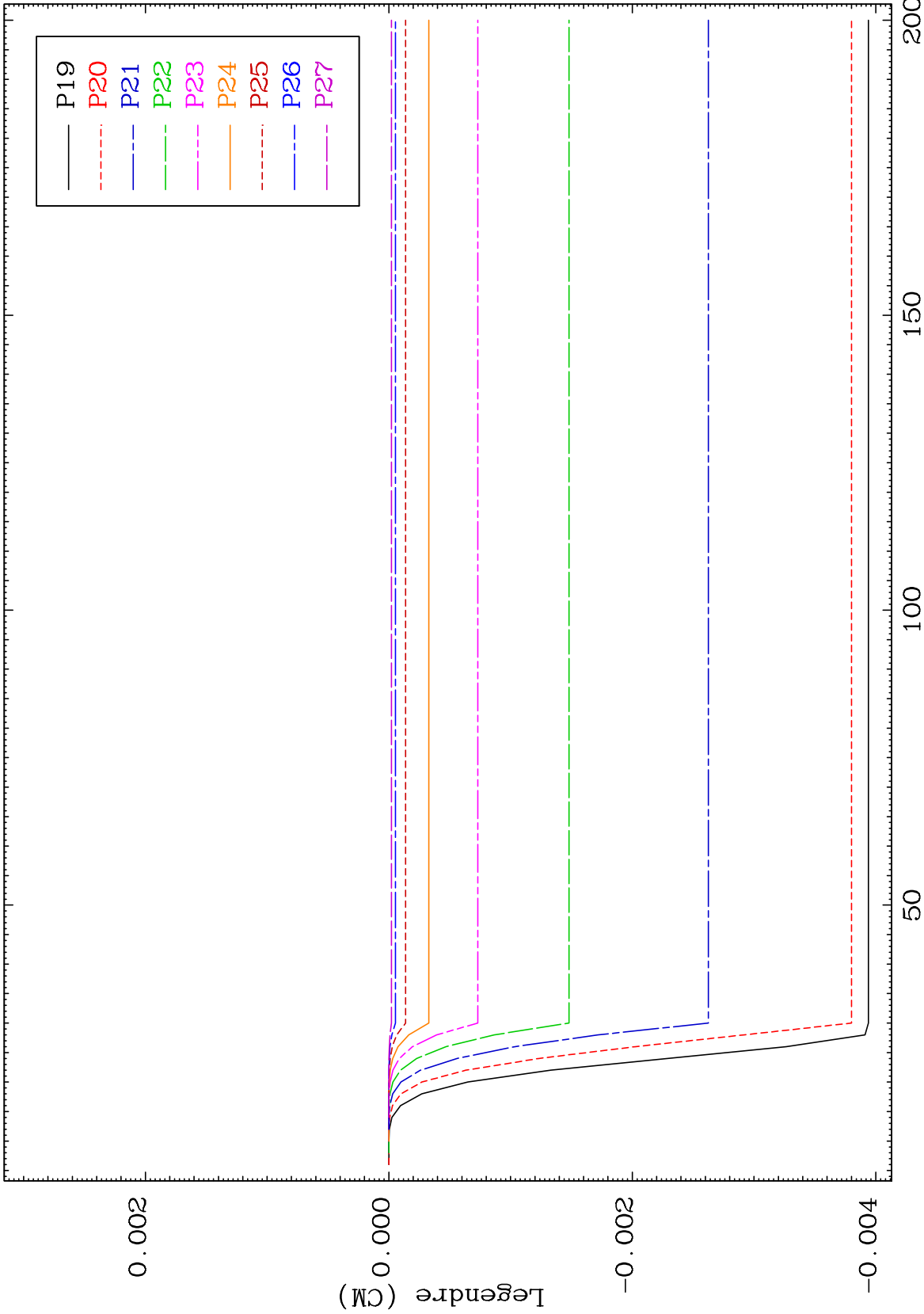
60-Nd-151



MAT 6052

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

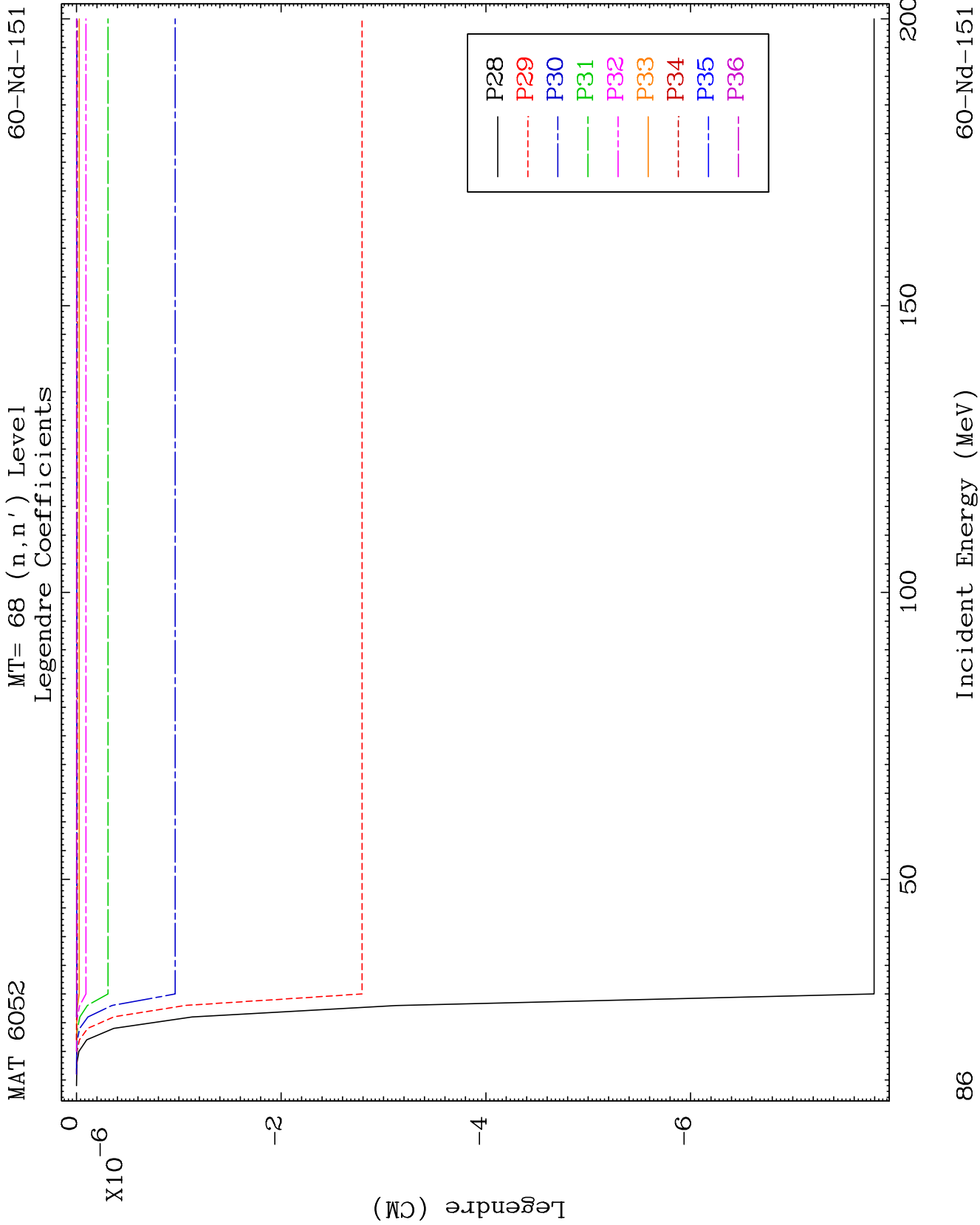
60-Nd-151

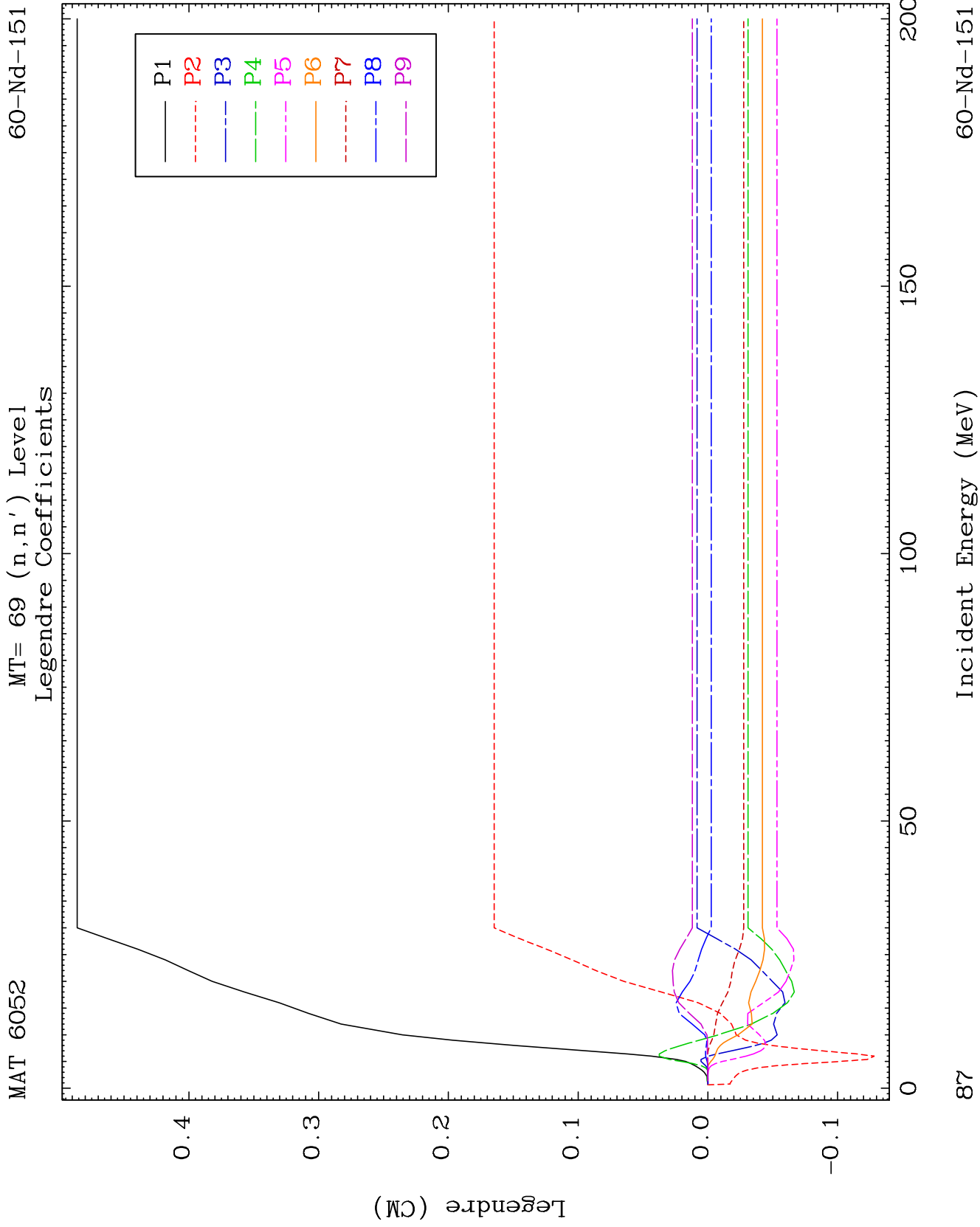


85

Incident Energy (MeV)

60-Nd-151



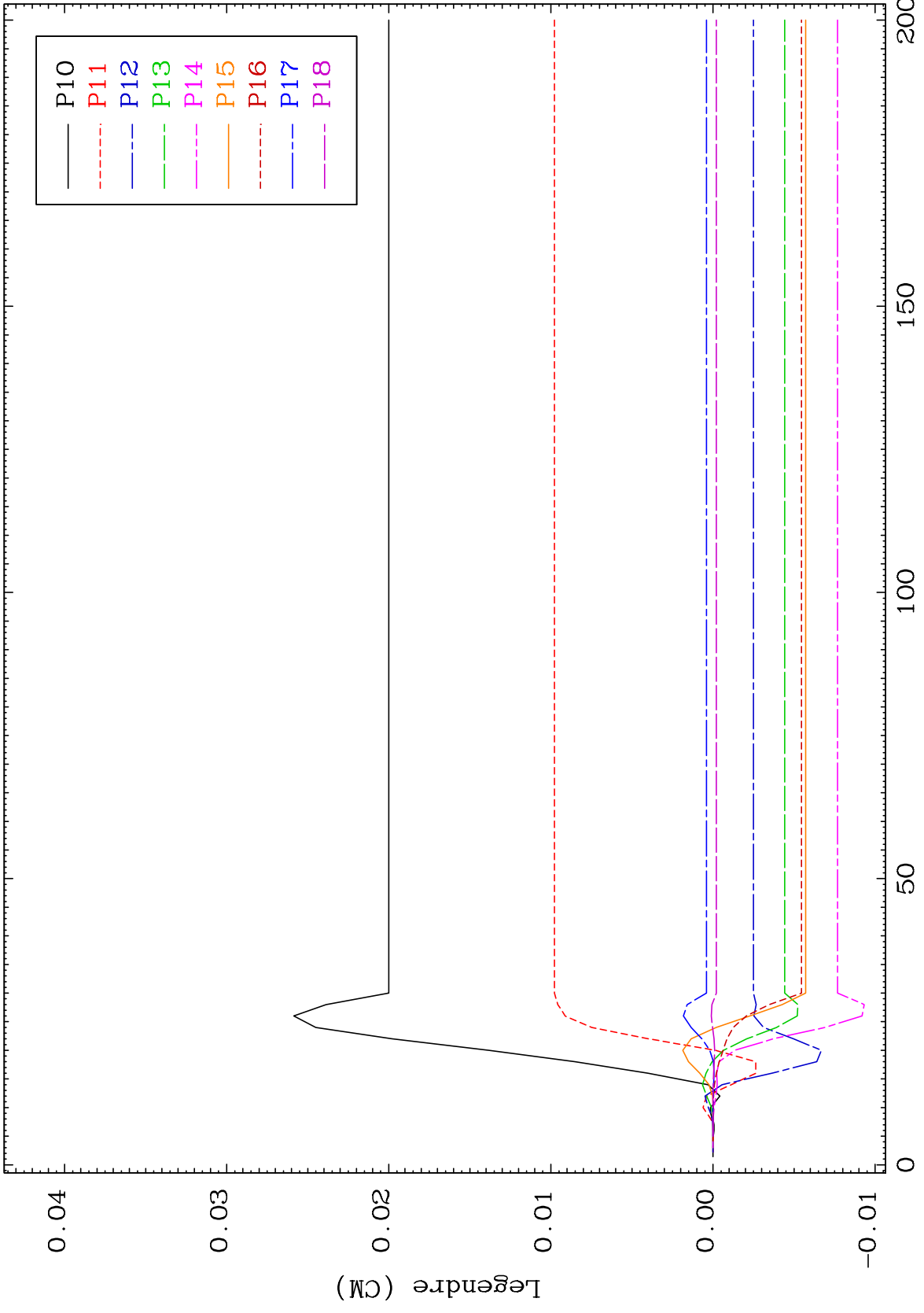




MAT 6052

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

60-Nd-151



88

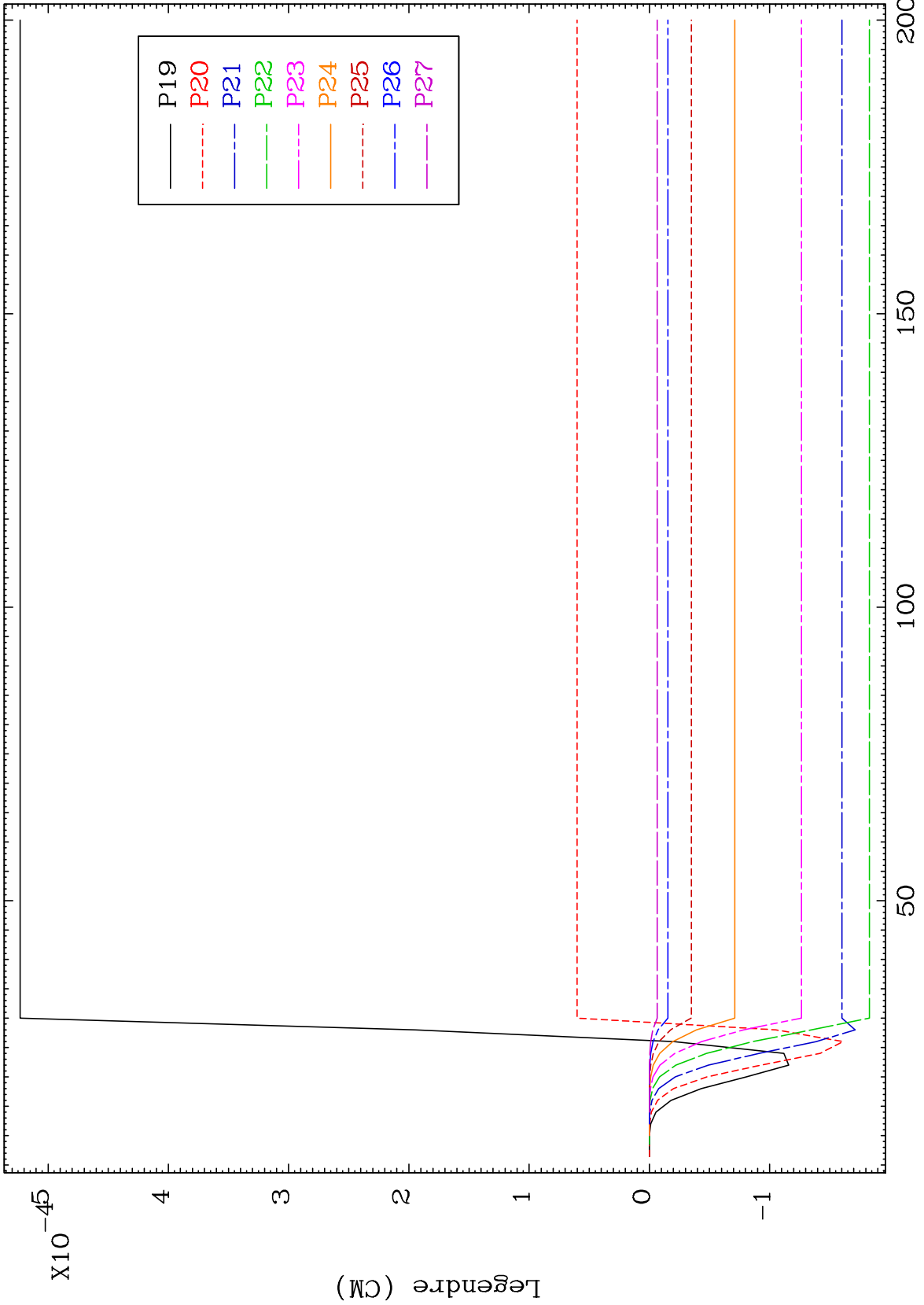
Incident Energy (MeV)

60-Nd-151

MAT 6052

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

60-Nd-151



89

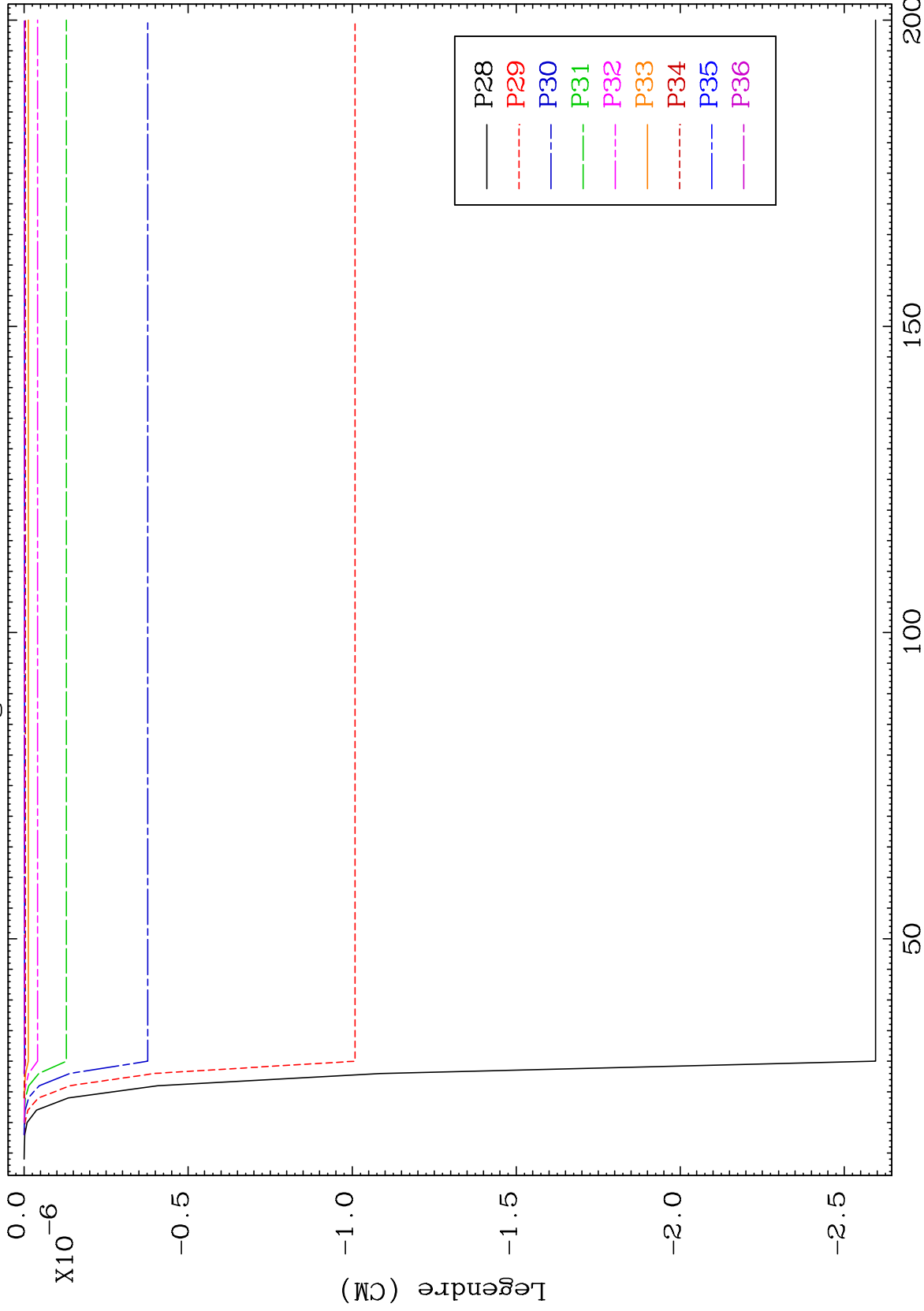
Incident Energy (MeV)

60-Nd-151

MAT 6052

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

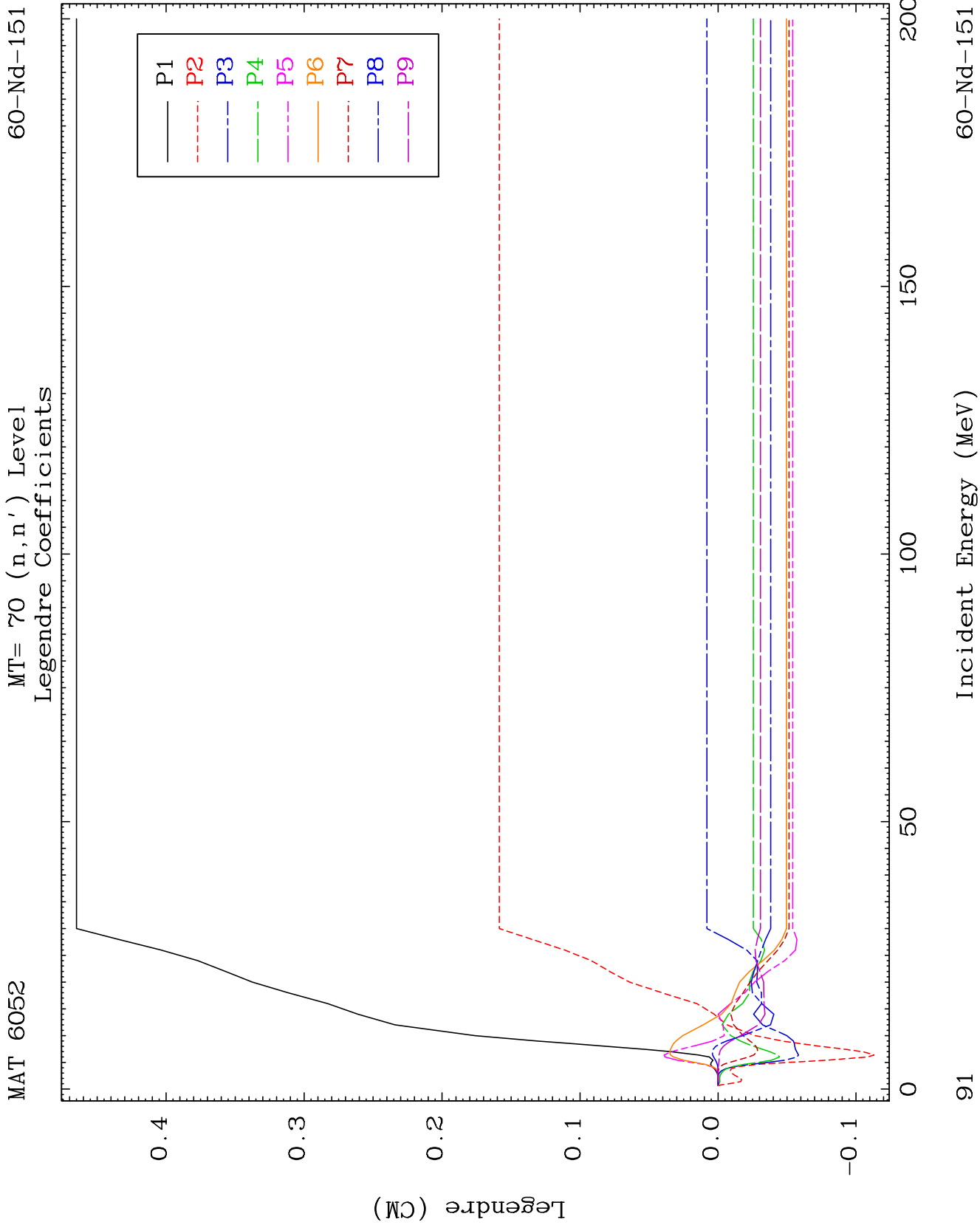
60-Nd-151

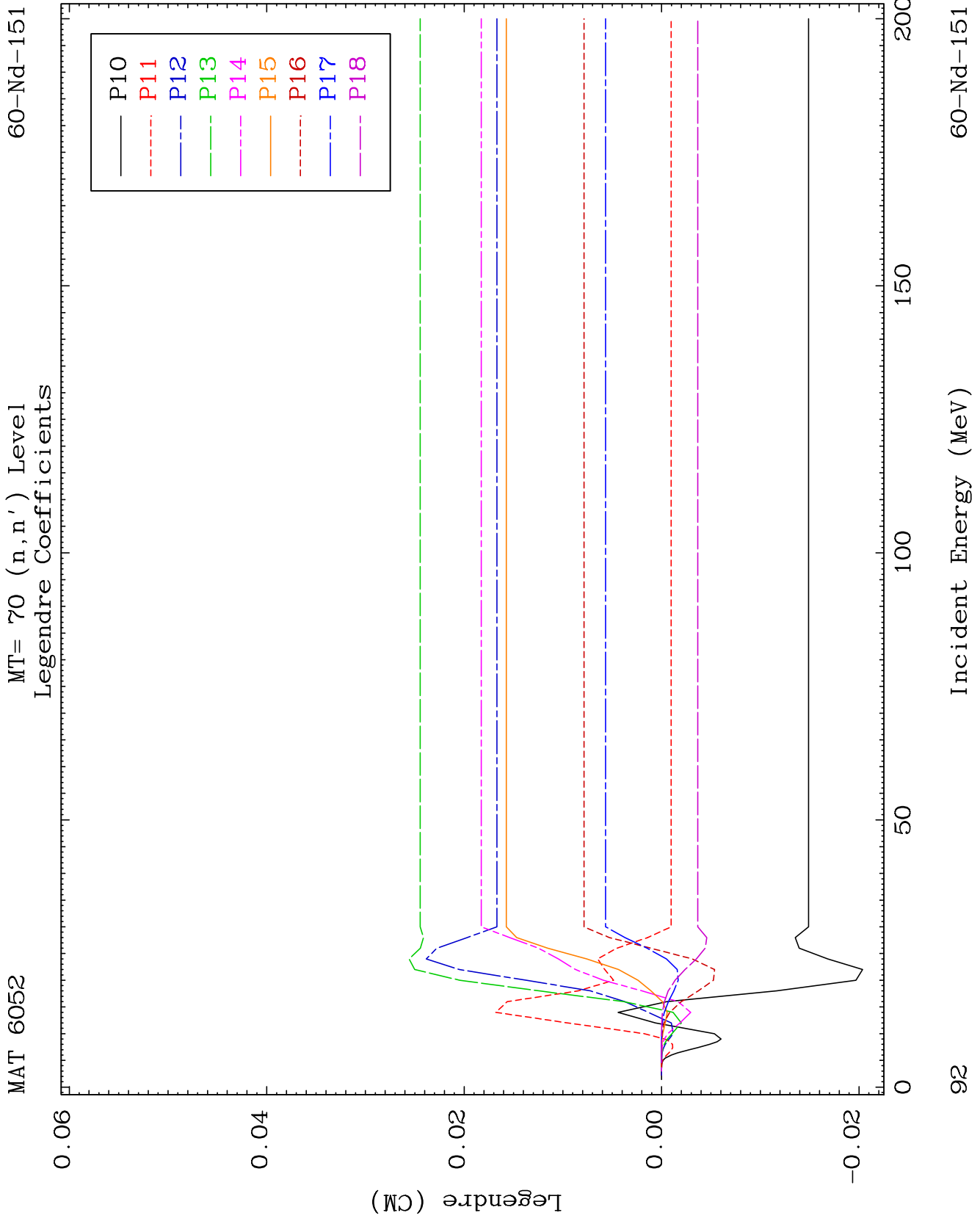


60-Nd-151

Incident Energy (MeV)

90

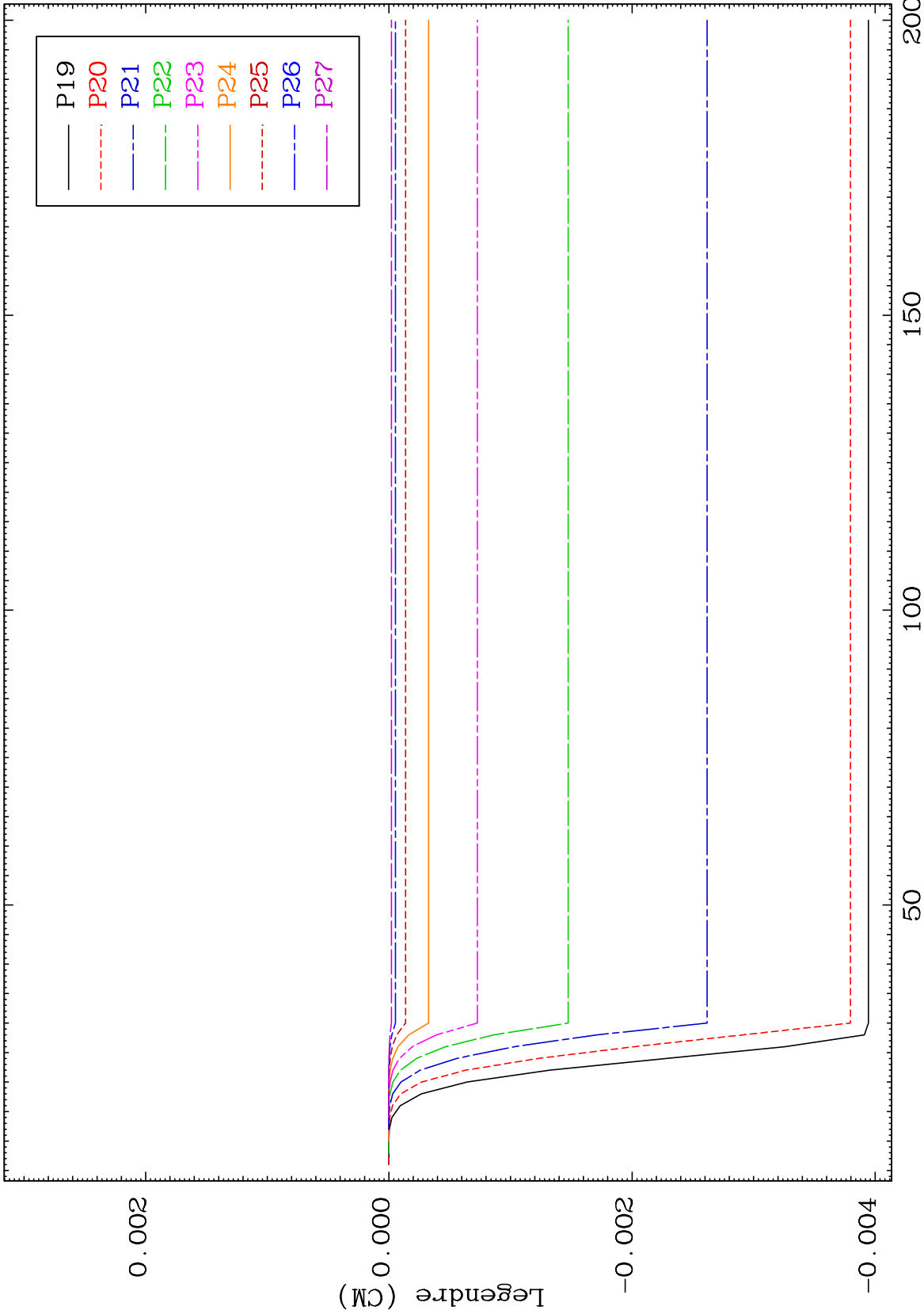




MAT 6052

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

60-Nd-151

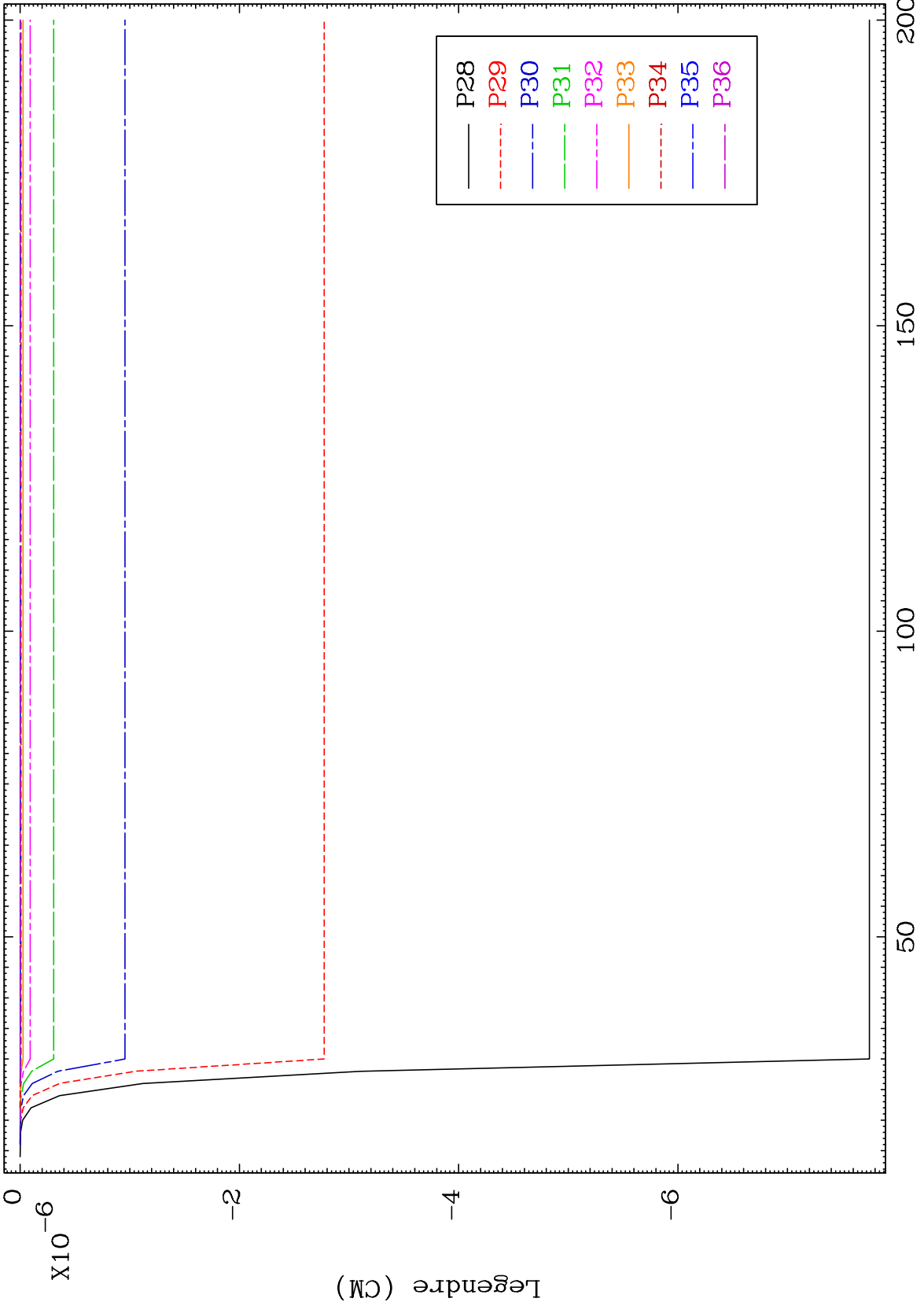


93

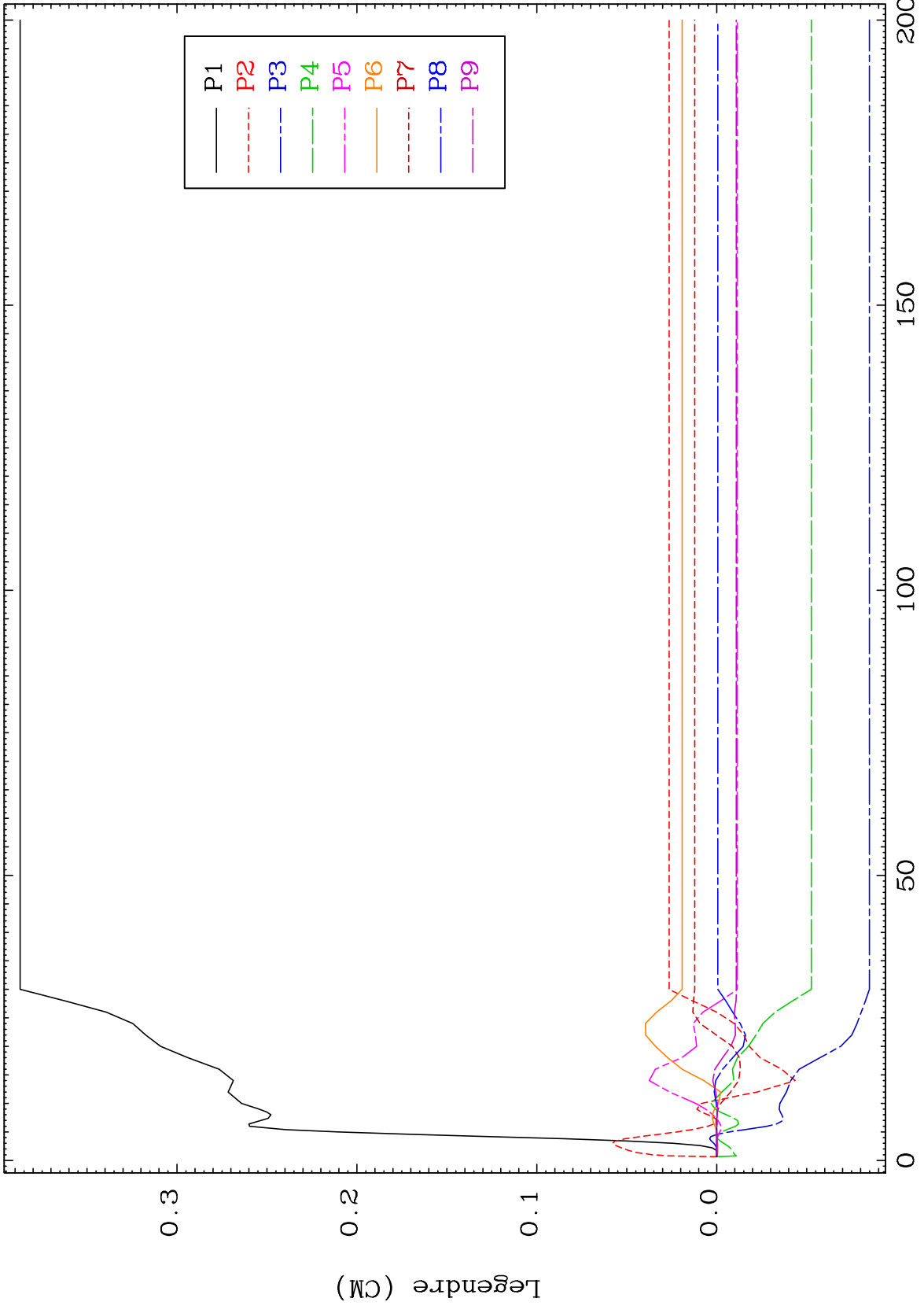
Incident Energy (MeV)

60-Nd-151

MAT 6052 MT= 70 (n,n') Level Legendre Coefficients 60-Nd-151



MAT 6052 MT= 71 (n,n') Level Legendre Coefficients 60-Nd-151



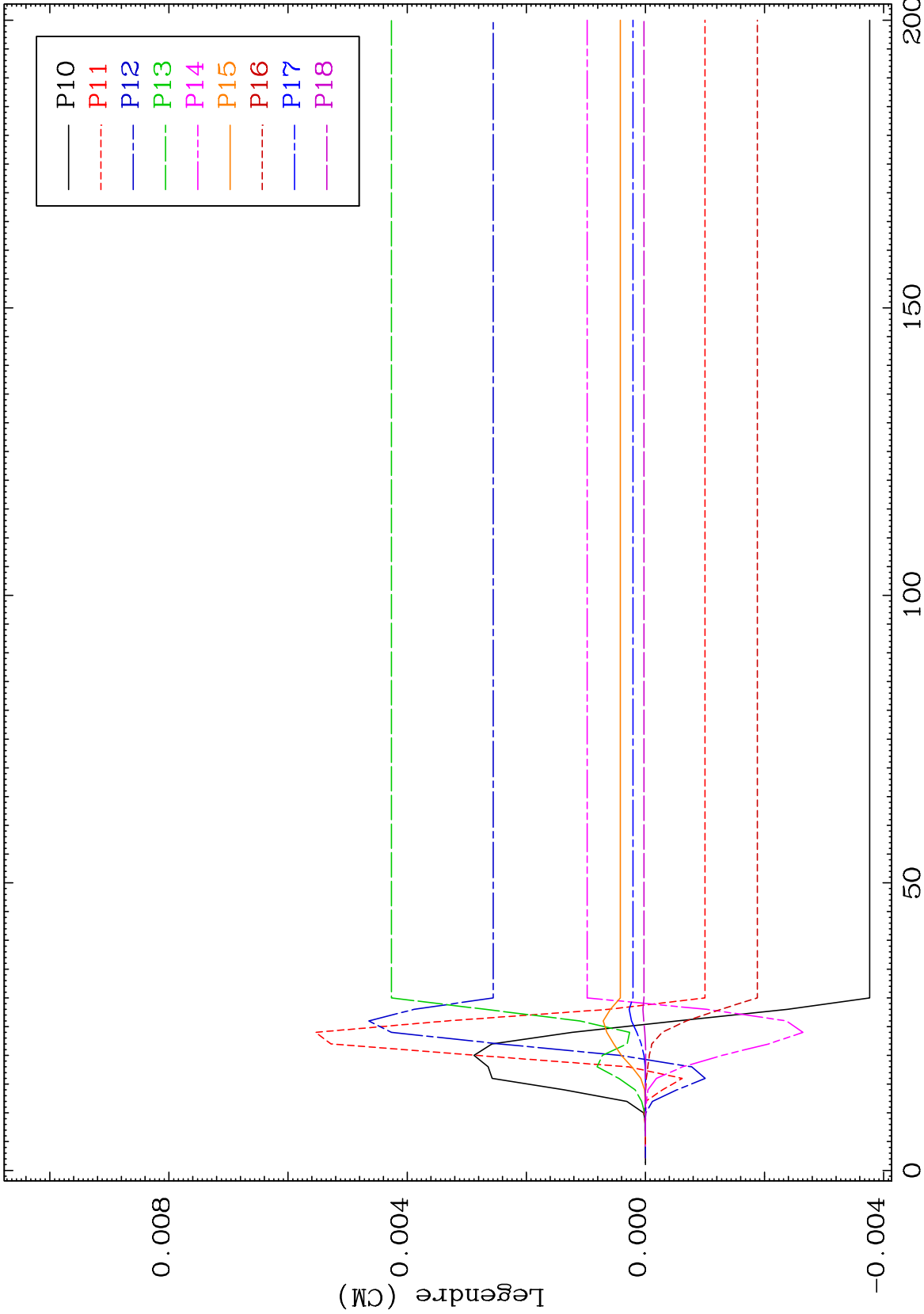
95 60-Nd-151



MAT 6052

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

60-Nd-151



96

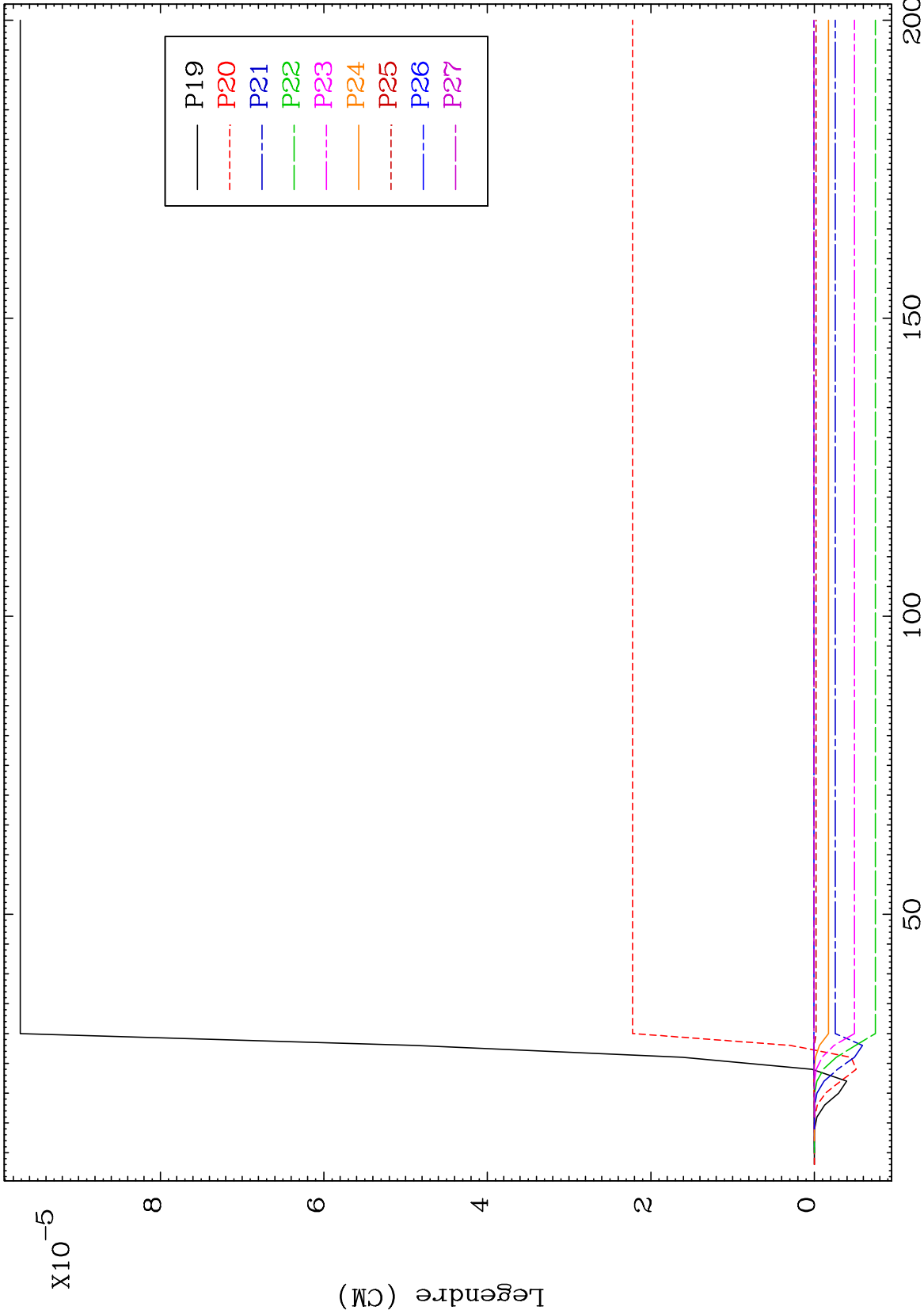
Incident Energy (MeV)

60-Nd-151

MAT 6052

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

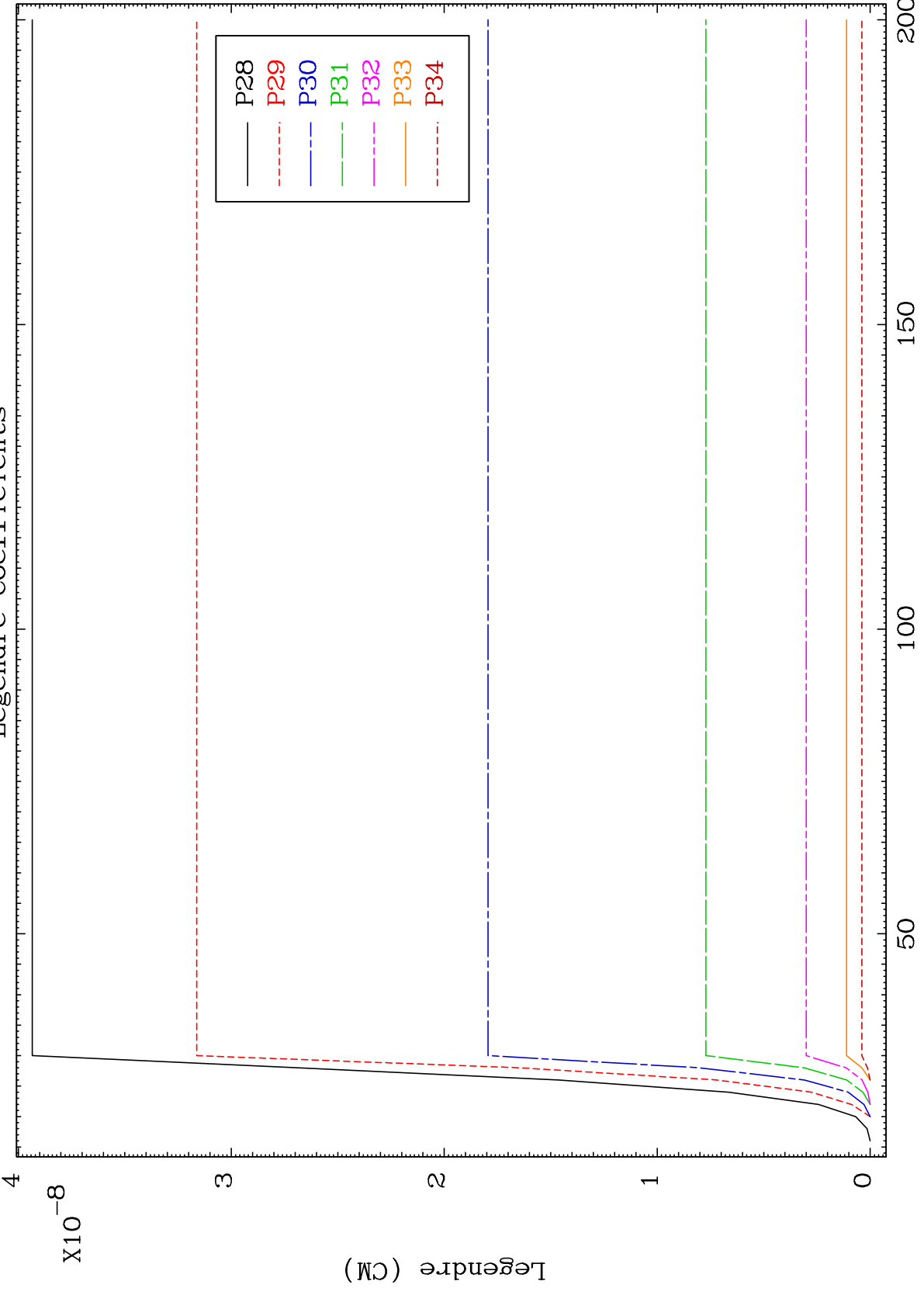
60-Nd-151



97

60-Nd-151

MAT 6052 MT= 71 (n,n') Level Legendre Coefficients 60-Nd-151



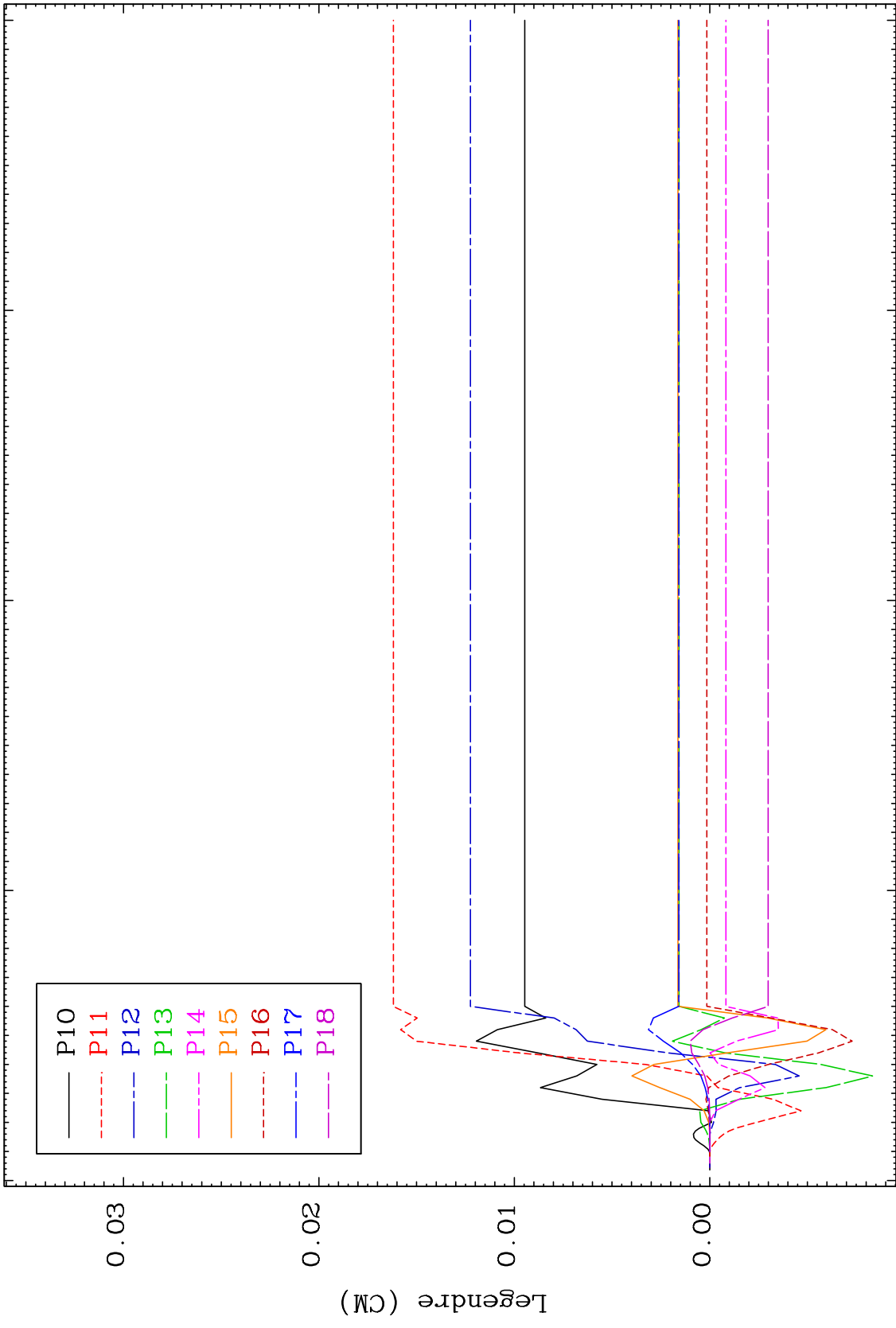
98 60-Nd-151



MAT 6052

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

60-Nd-151



60-Nd-151

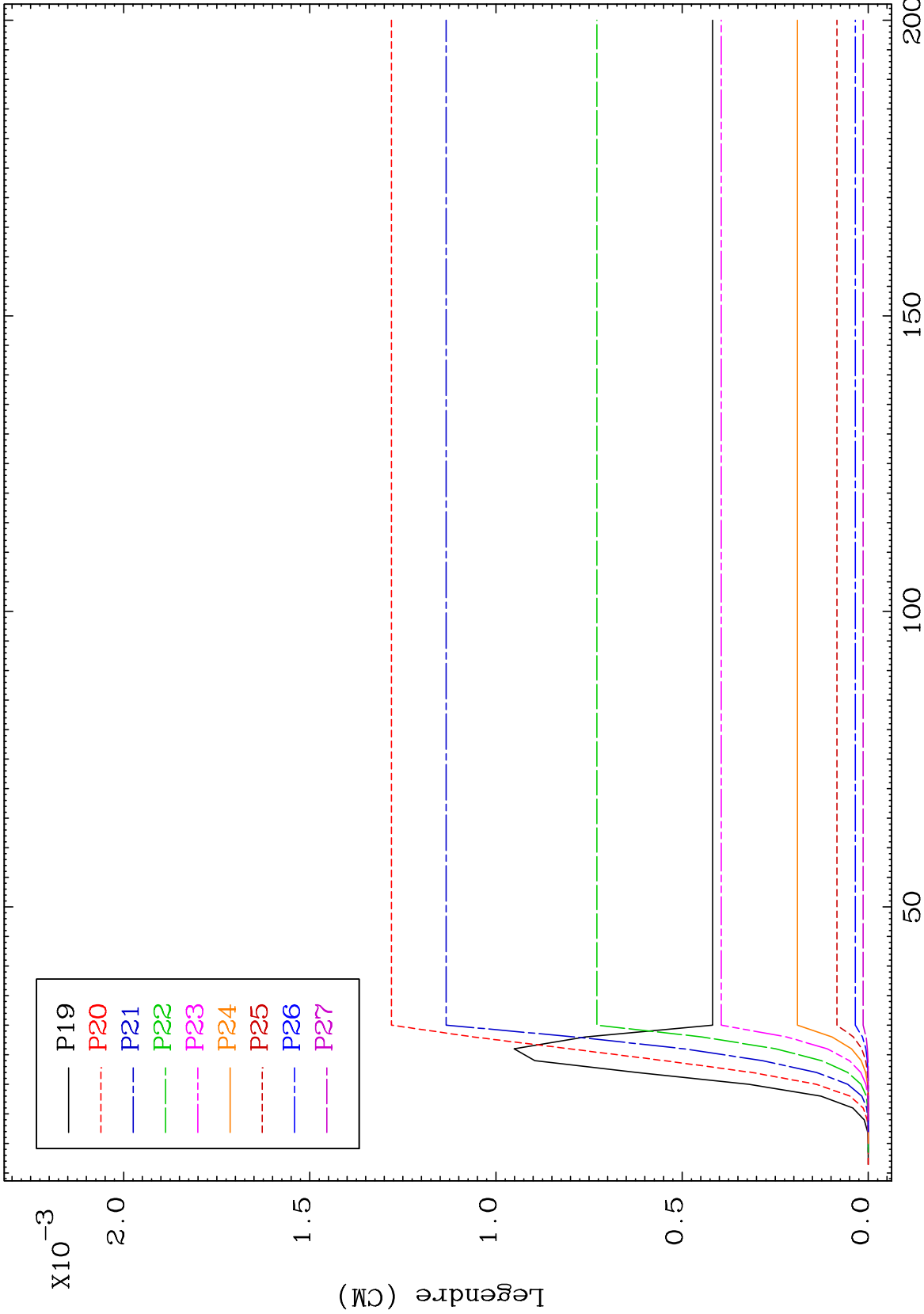
Incident Energy (MeV)

Legendre (CM)

MAT 6052

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

60-Nd-151



101

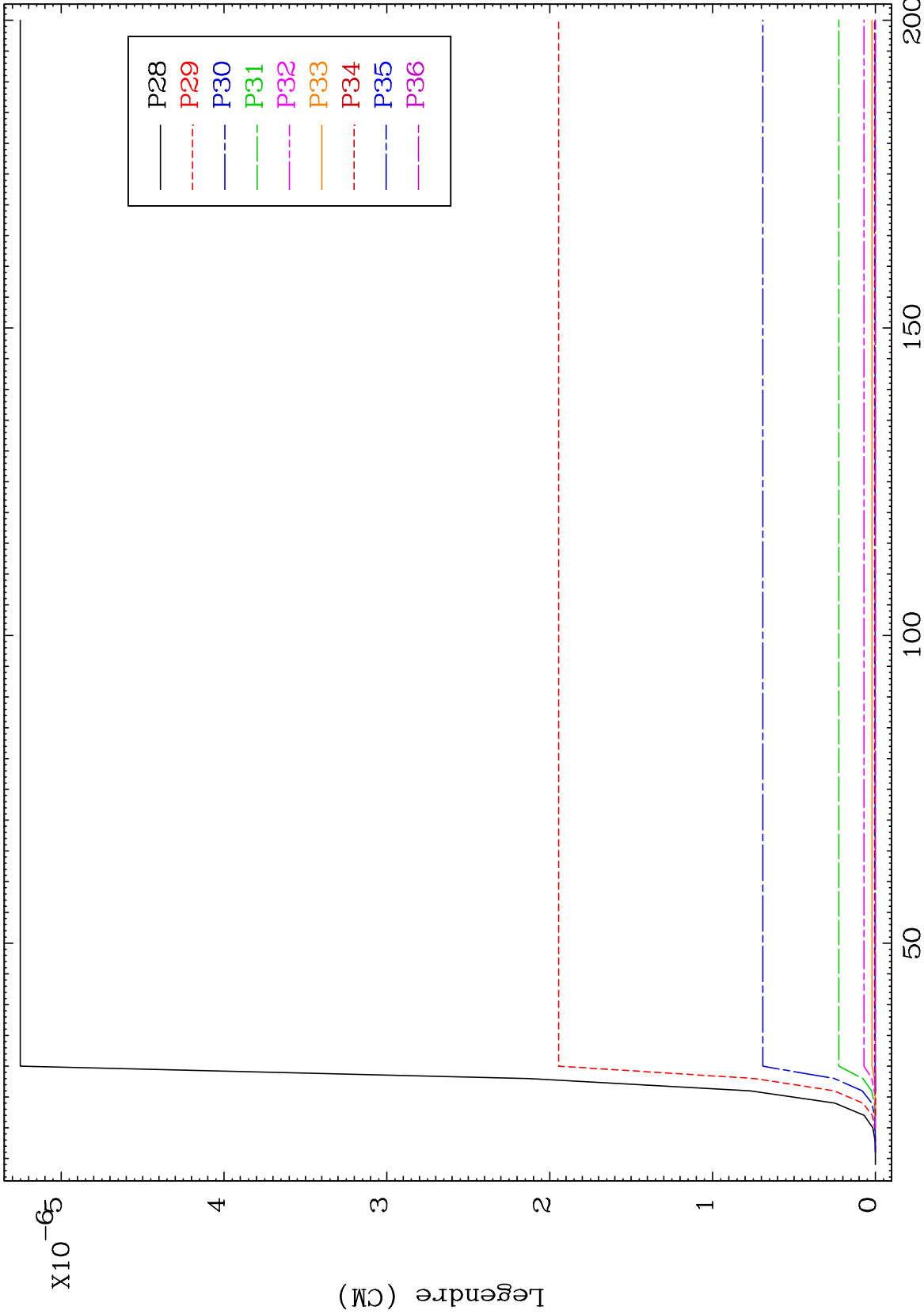
Incident Energy (MeV)

60-Nd-151

MAT 6052

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

60-Nd-151



102

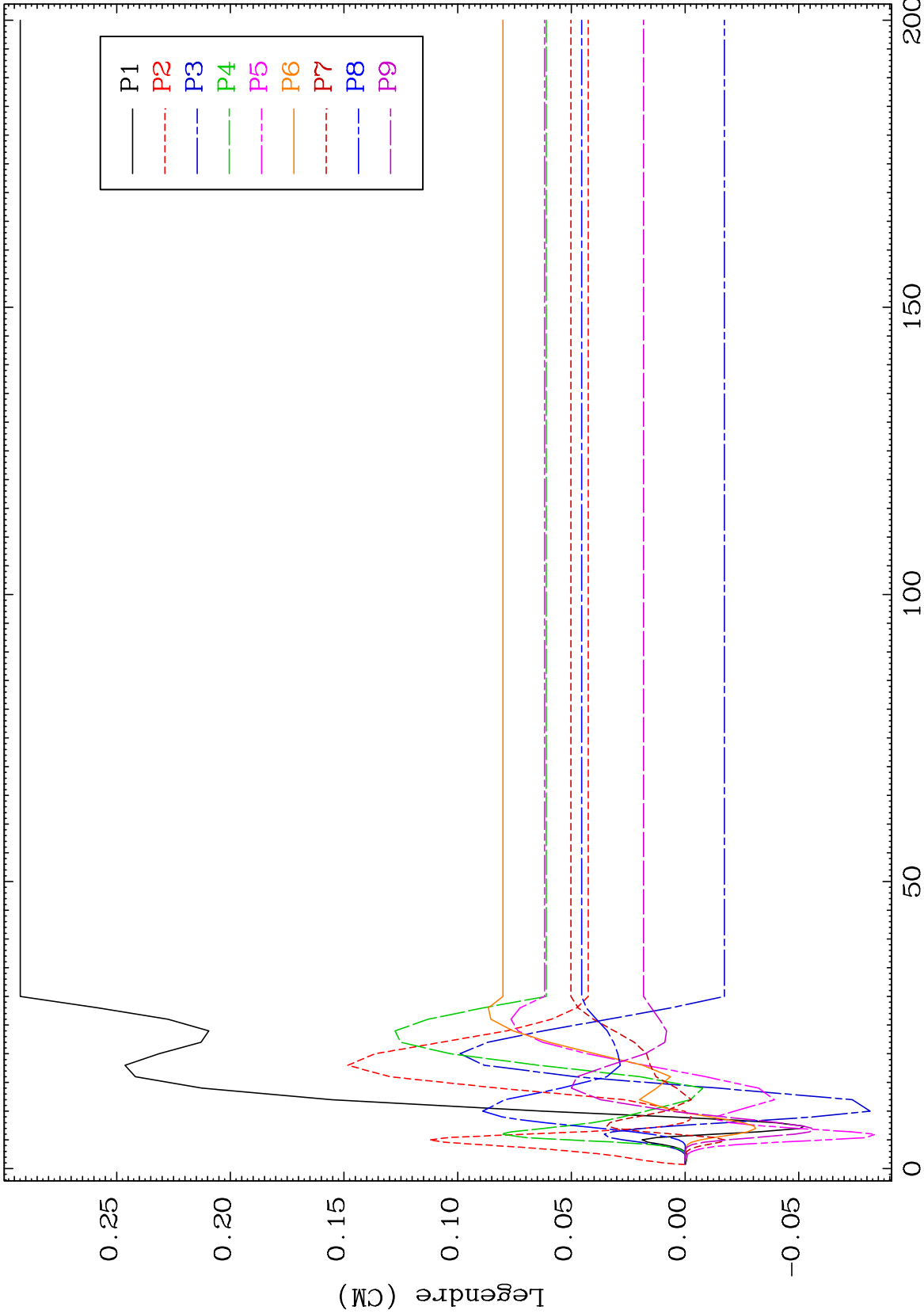
Incident Energy (MeV)

60-Nd-151

MAT 6052

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

60-Nd-151



103

Incident Energy (MeV)

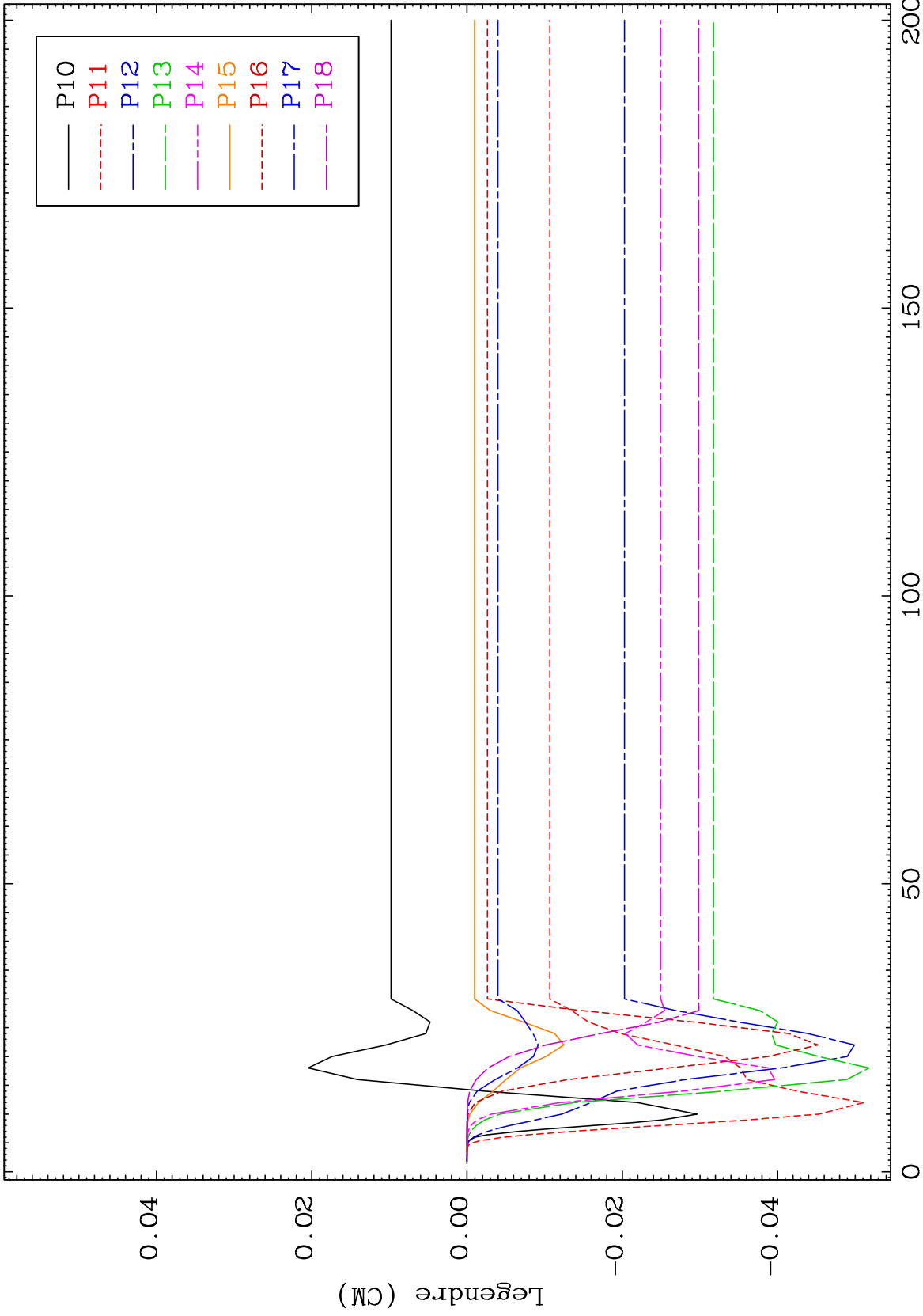
60-Nd-151



MAT 6052

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

60-Nd-151



60-Nd-151

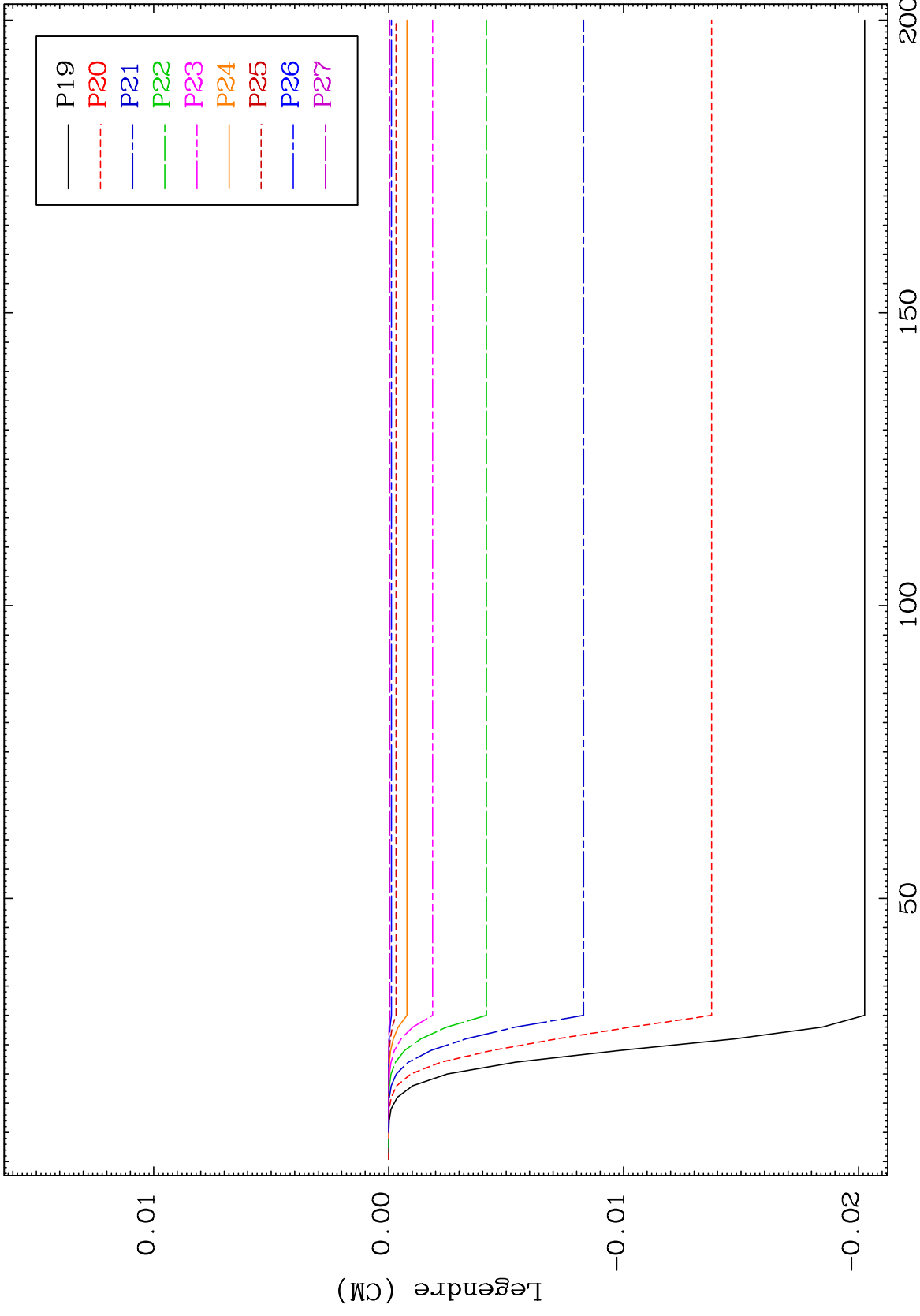
Incident Energy (MeV)

104

MAT 6052

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

60-Nd-151



105

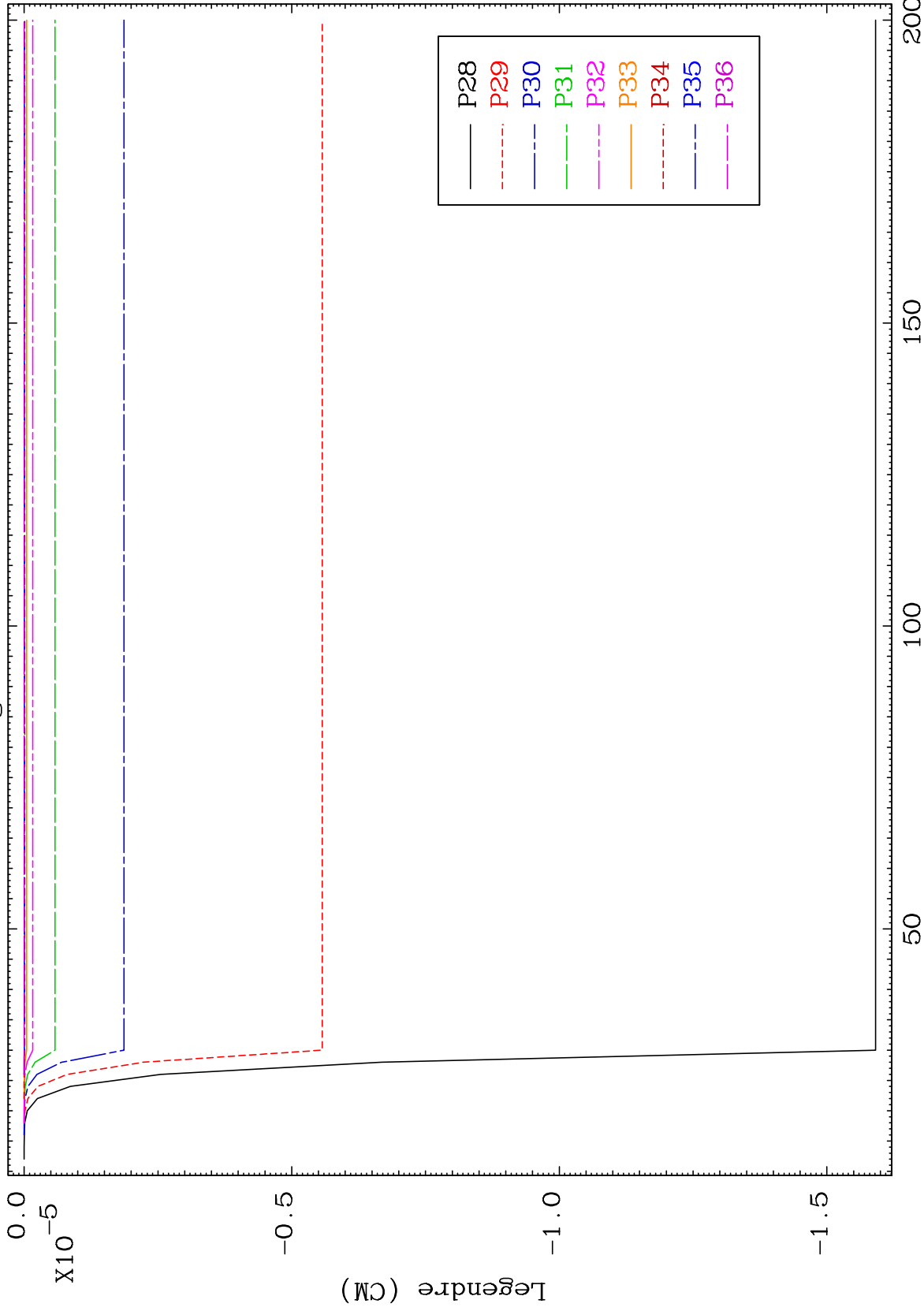
Incident Energy (MeV)

60-Nd-151

MAT 6052

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

60-Nd-151



106

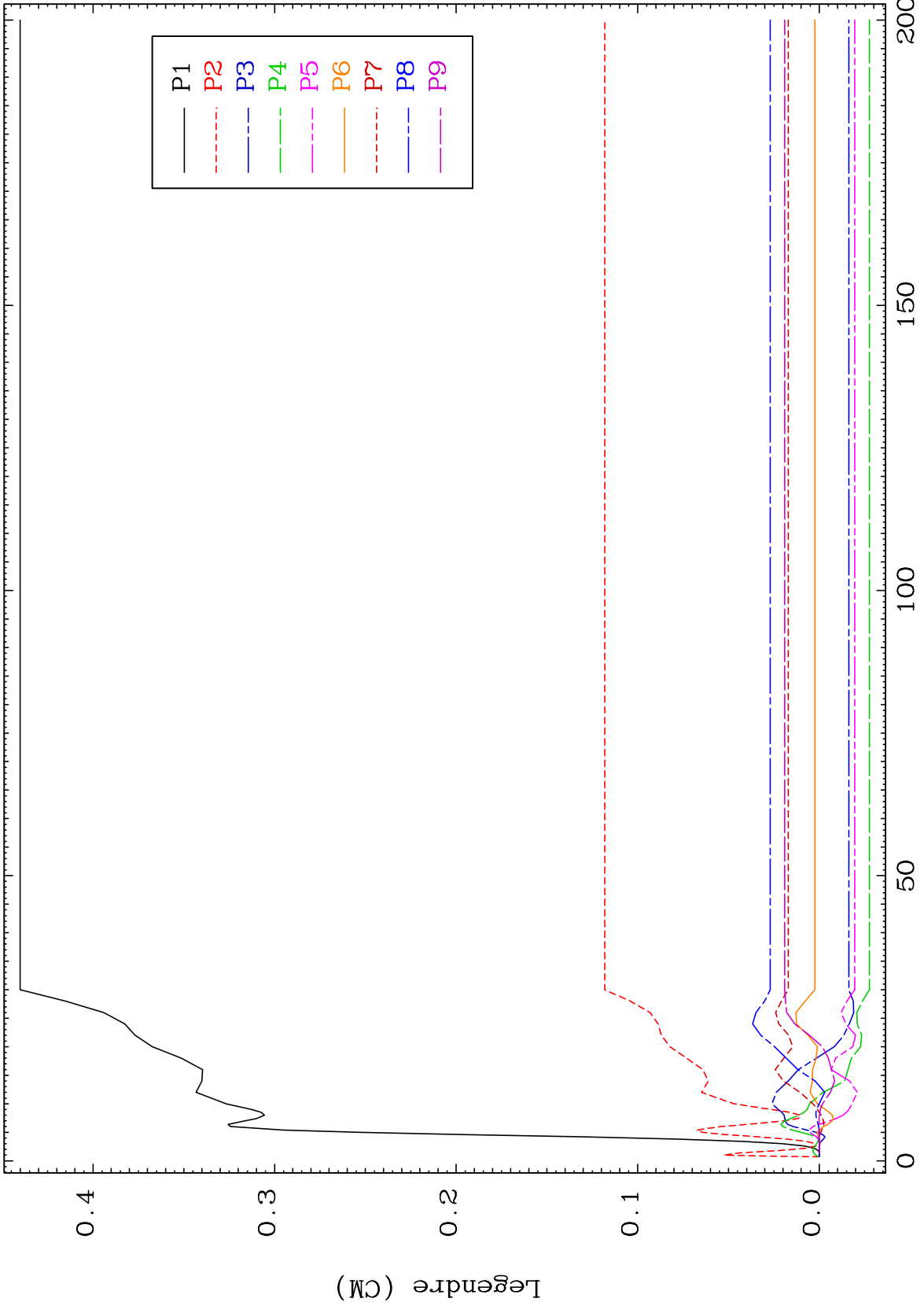
Incident Energy (MeV)

60-Nd-151

MAT 6052

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

60-Nd-151



60-Nd-151

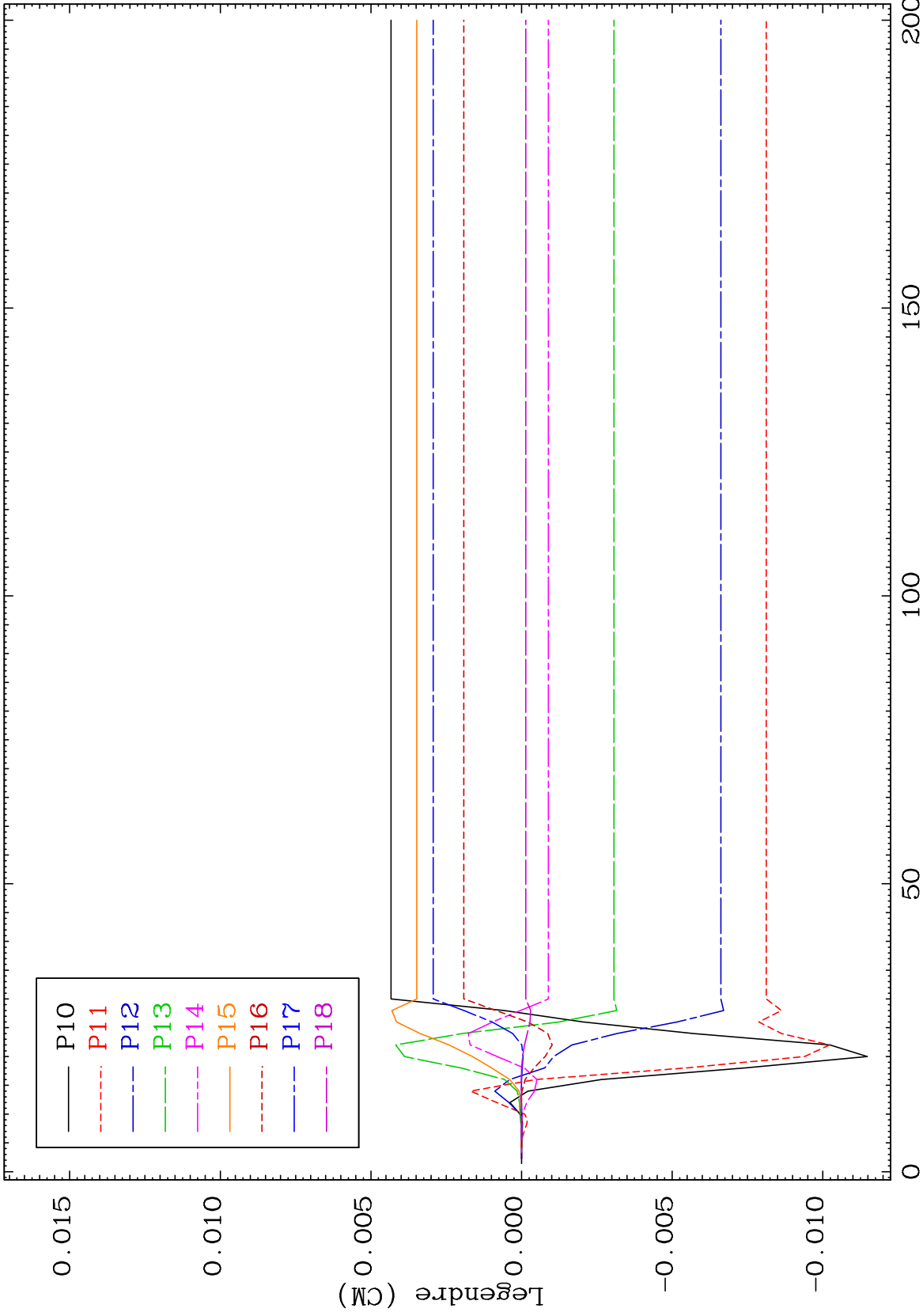
Incident Energy (MeV)

107

MAT 6052

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

60-Nd-151

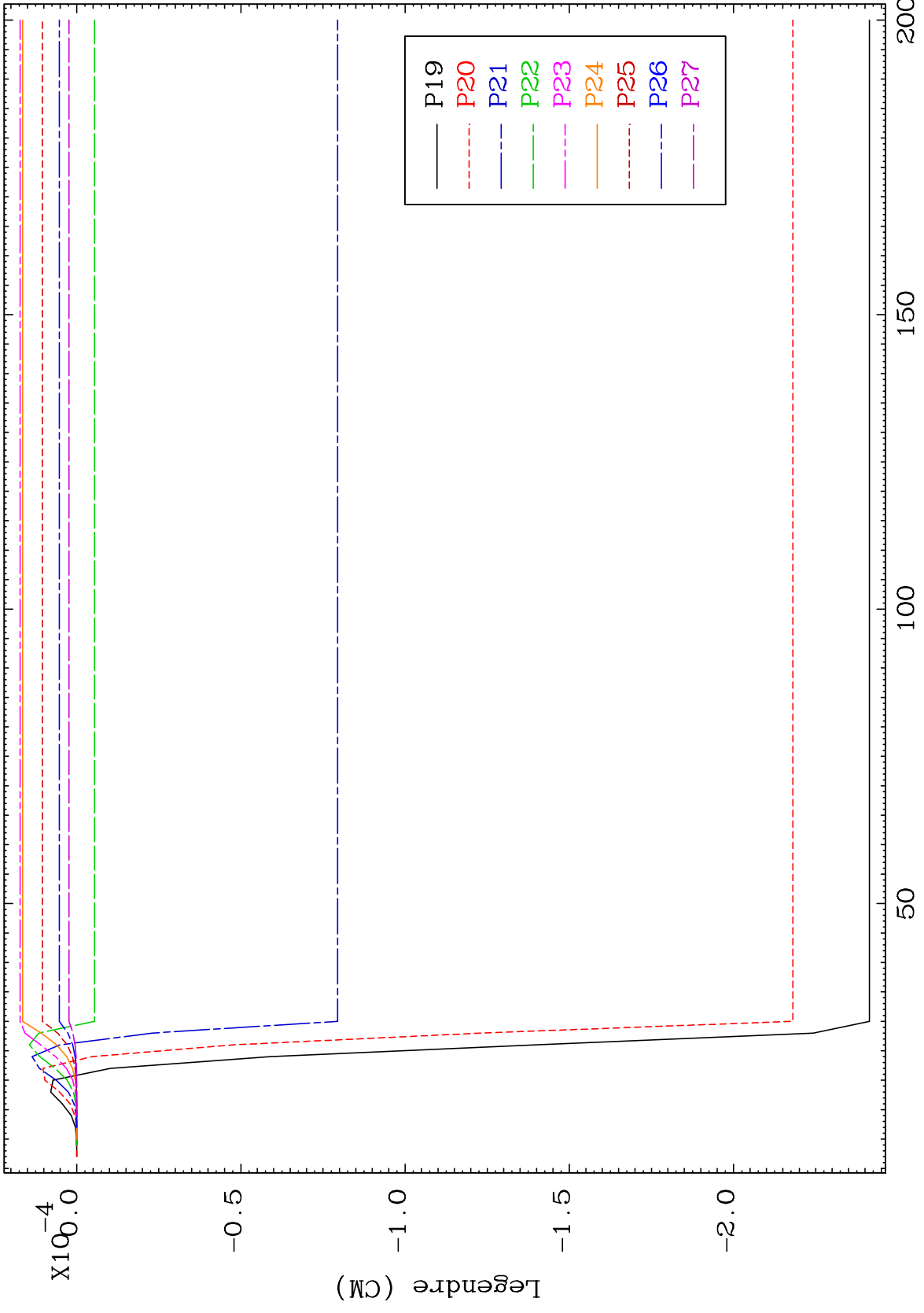


108

Incident Energy (MeV)

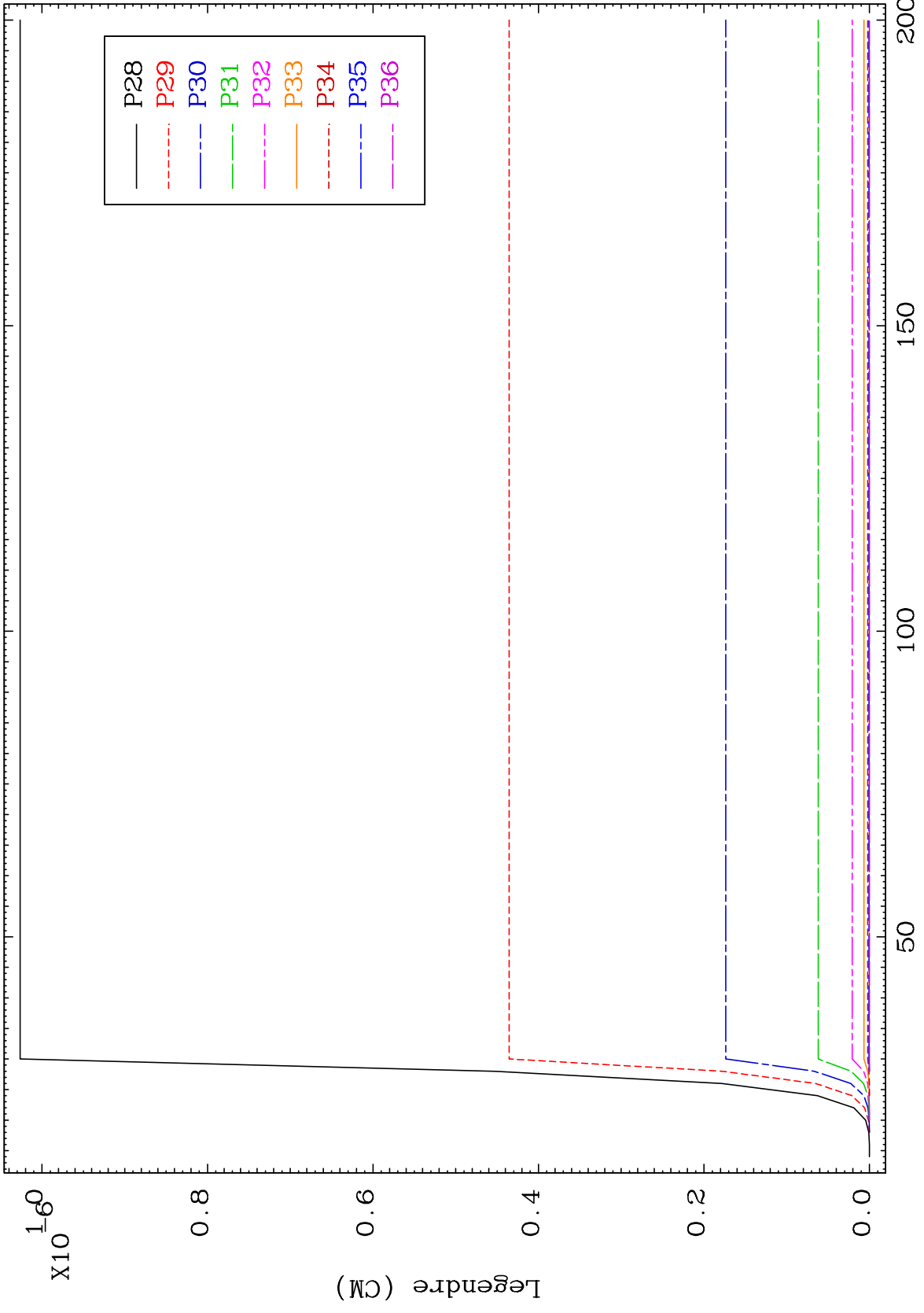
60-Nd-151

MAT 6052 MT= 74 (n,n') Level Legendre Coefficients 60-Nd-151



109 60-Nd-151

MAT 6052 MT= 74 (n, n') Level Legendre Coefficients 60-Nd-151



110 Incident Energy (MeV) 60-Nd-151

MAT 6052

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

60-Nd-151



111

Incident Energy (MeV)

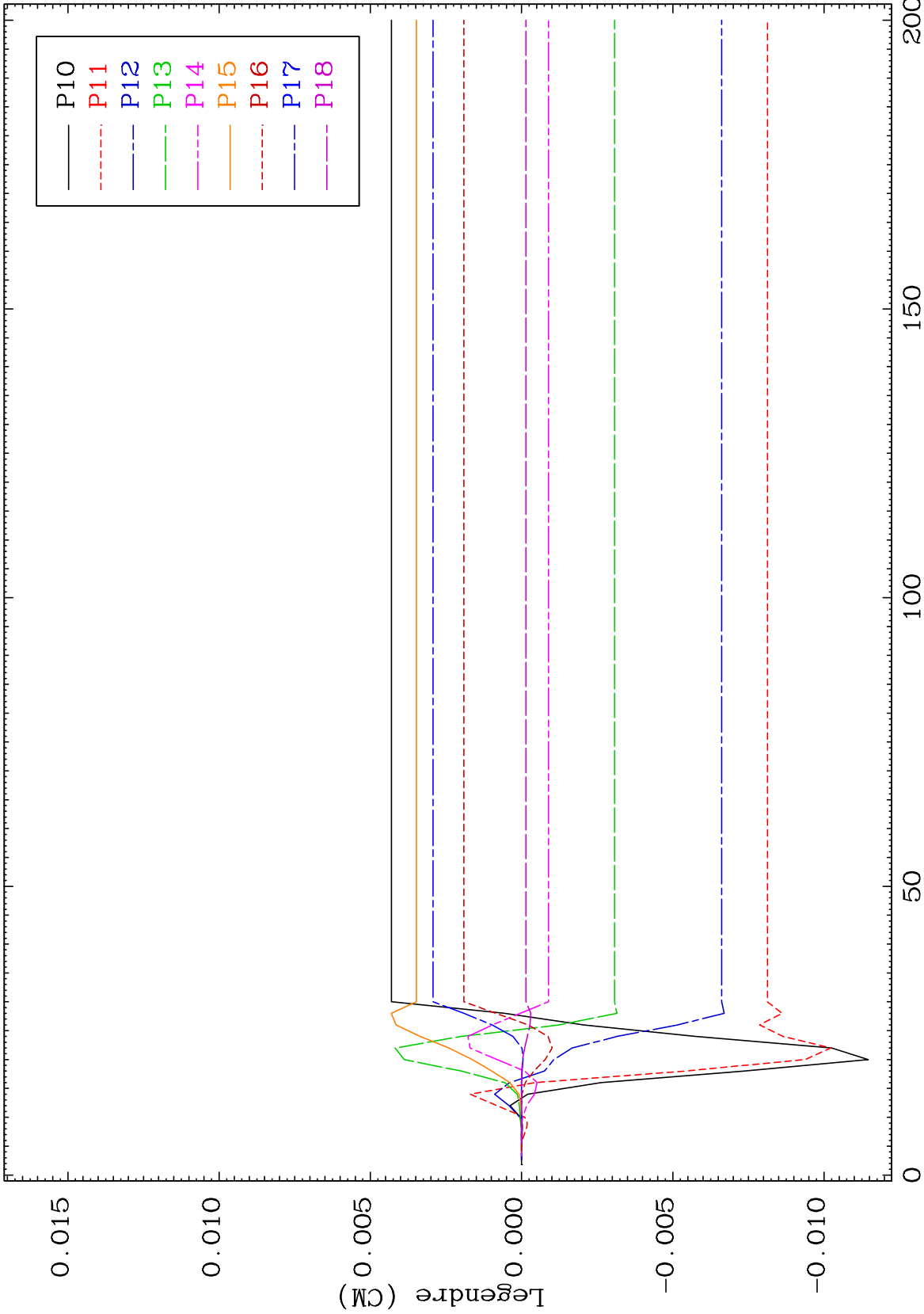
60-Nd-151



MAT 6052

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

60-Nd-151

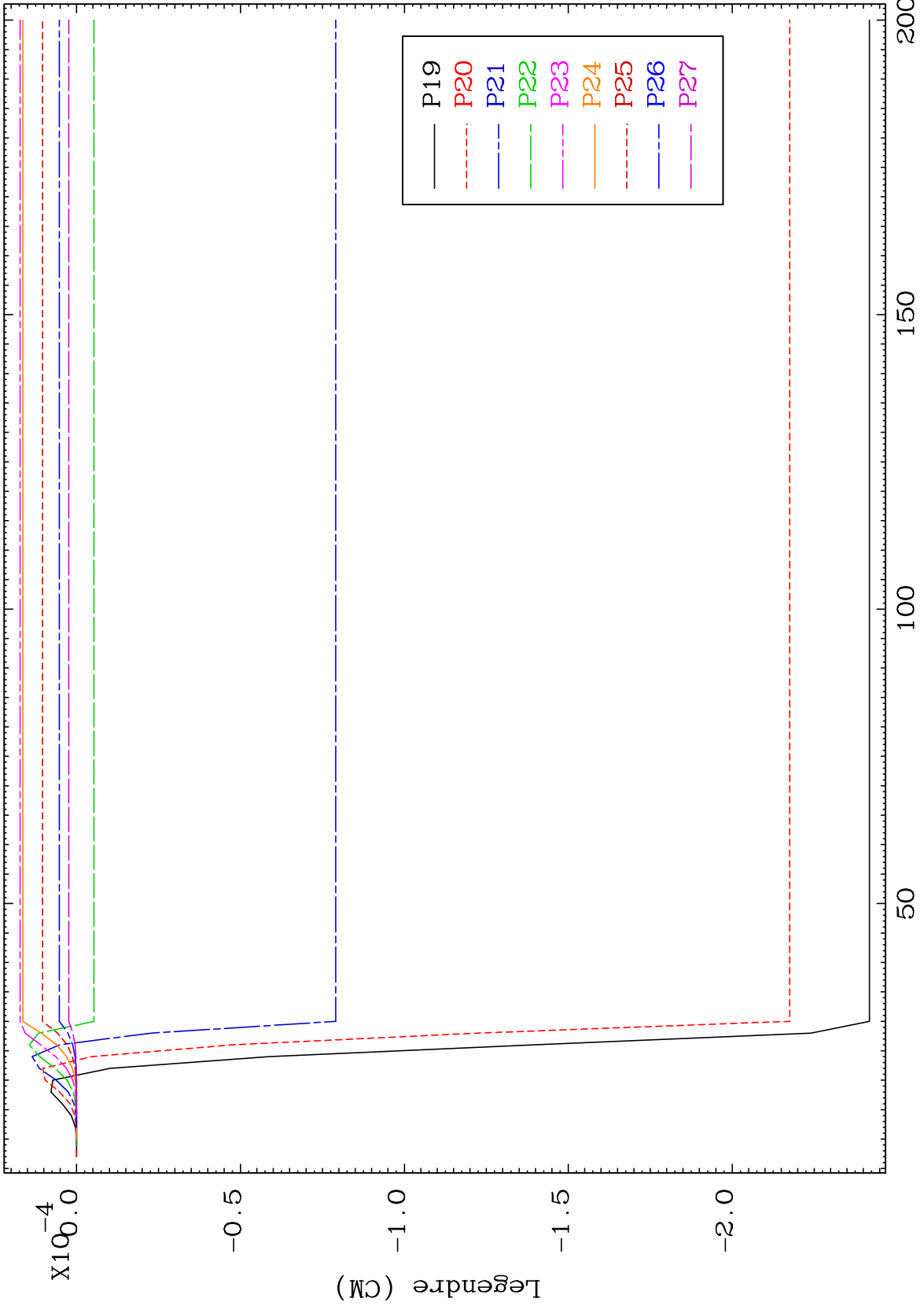


112

Incident Energy (MeV)

60-Nd-151

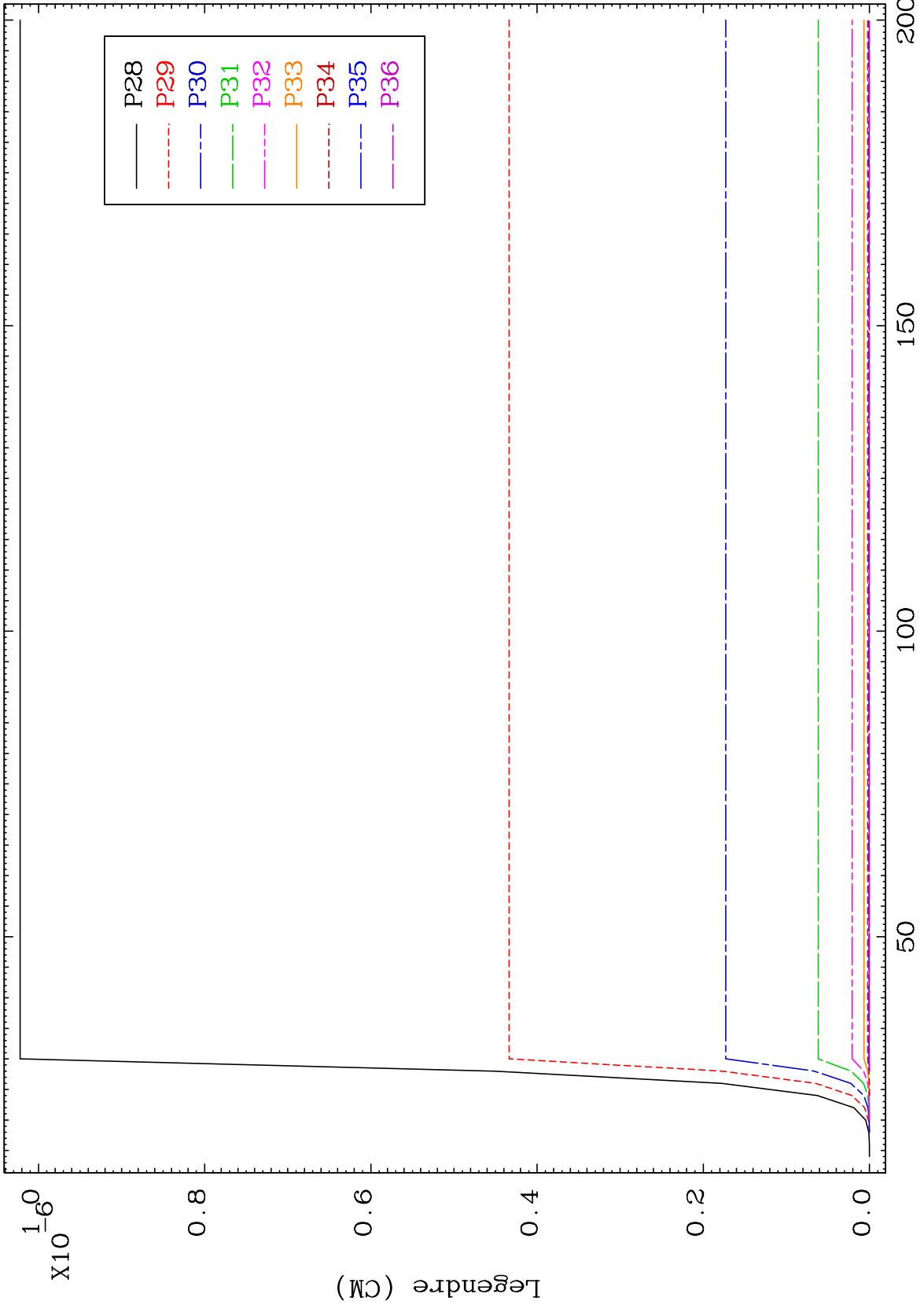
MAT 6052 MT= 75 (n,n') Level Legendre Coefficients 60-Nd-151



MAT 6052

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

60-Nd-151



114

Incident Energy (MeV)

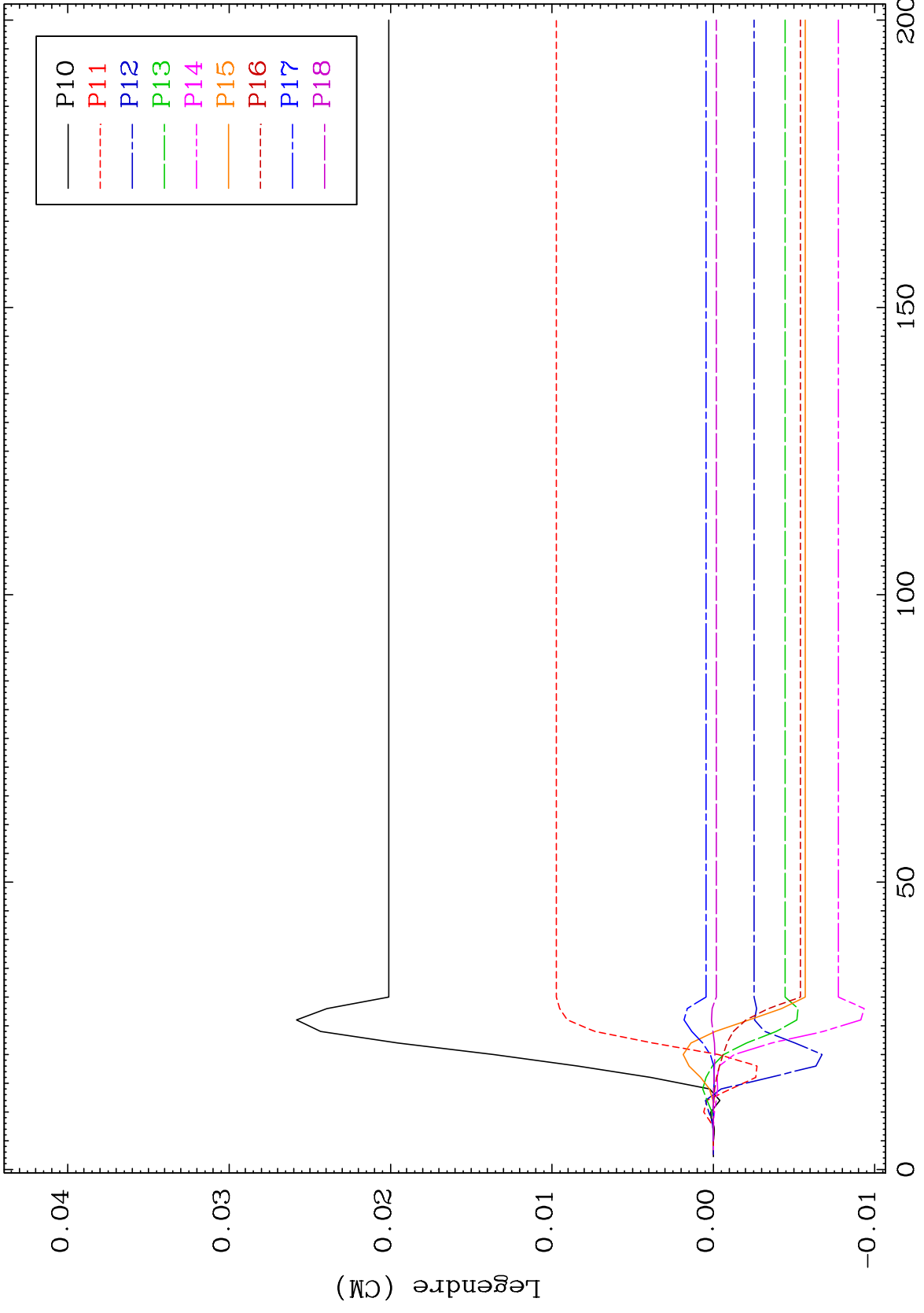
60-Nd-151



MAT 6052

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

60-Nd-151



116

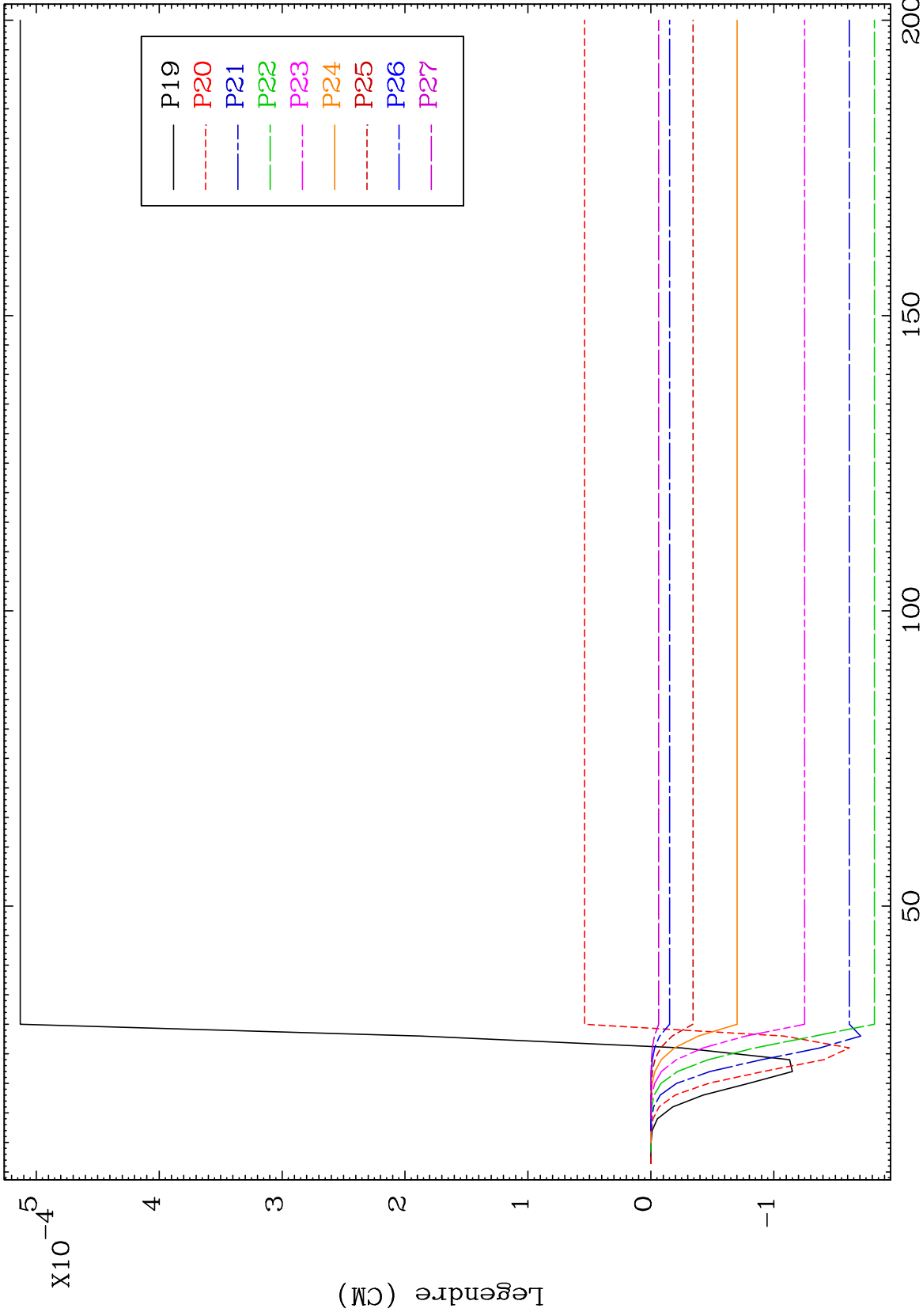
Incident Energy (MeV)

60-Nd-151

MAT 6052

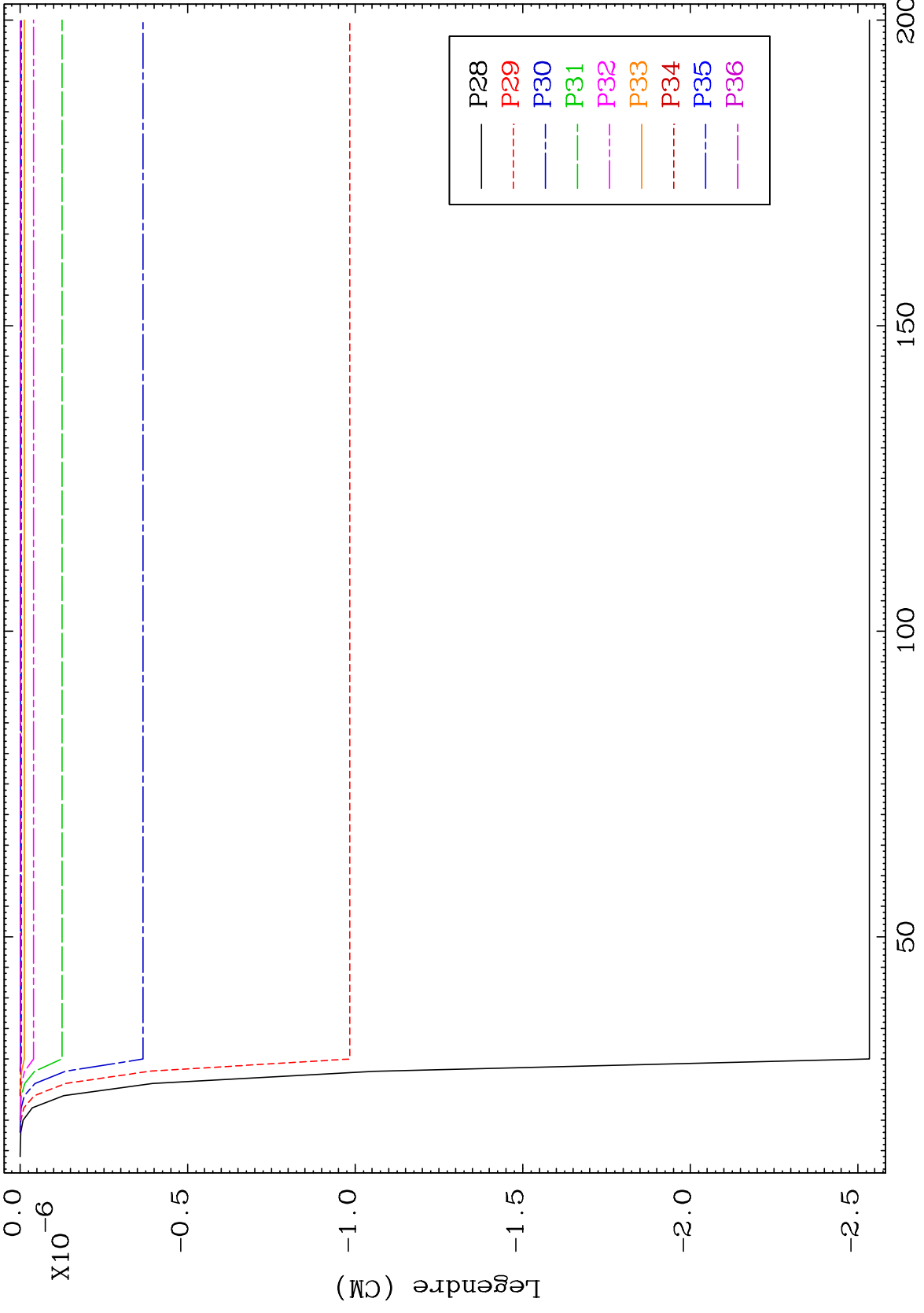
MT= 76 (n,n') Level  
Legendre Coefficients

60-Nd-151



117

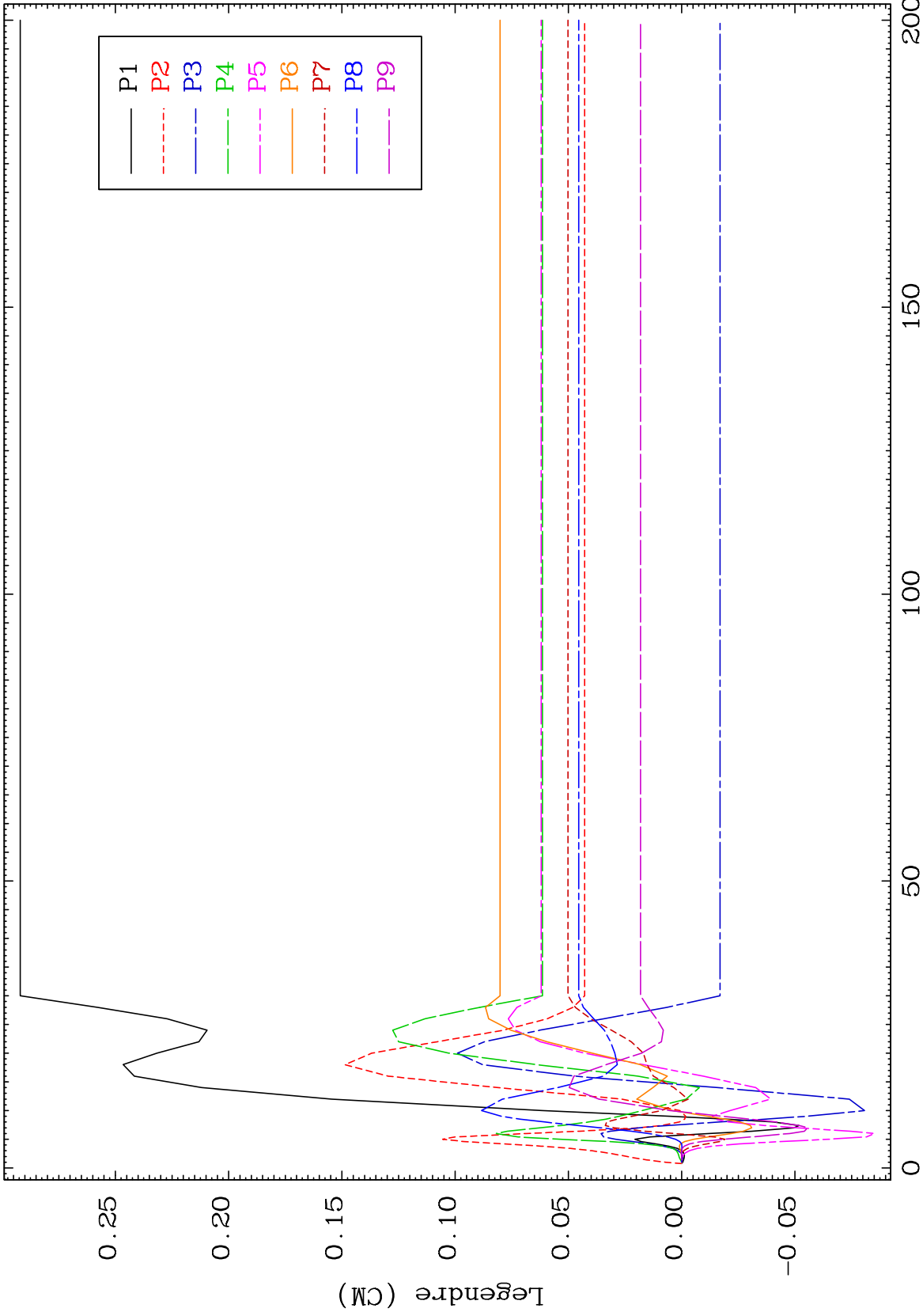
60-Nd-151



MAT 6052

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

60-Nd-151



119

Incident Energy (MeV)

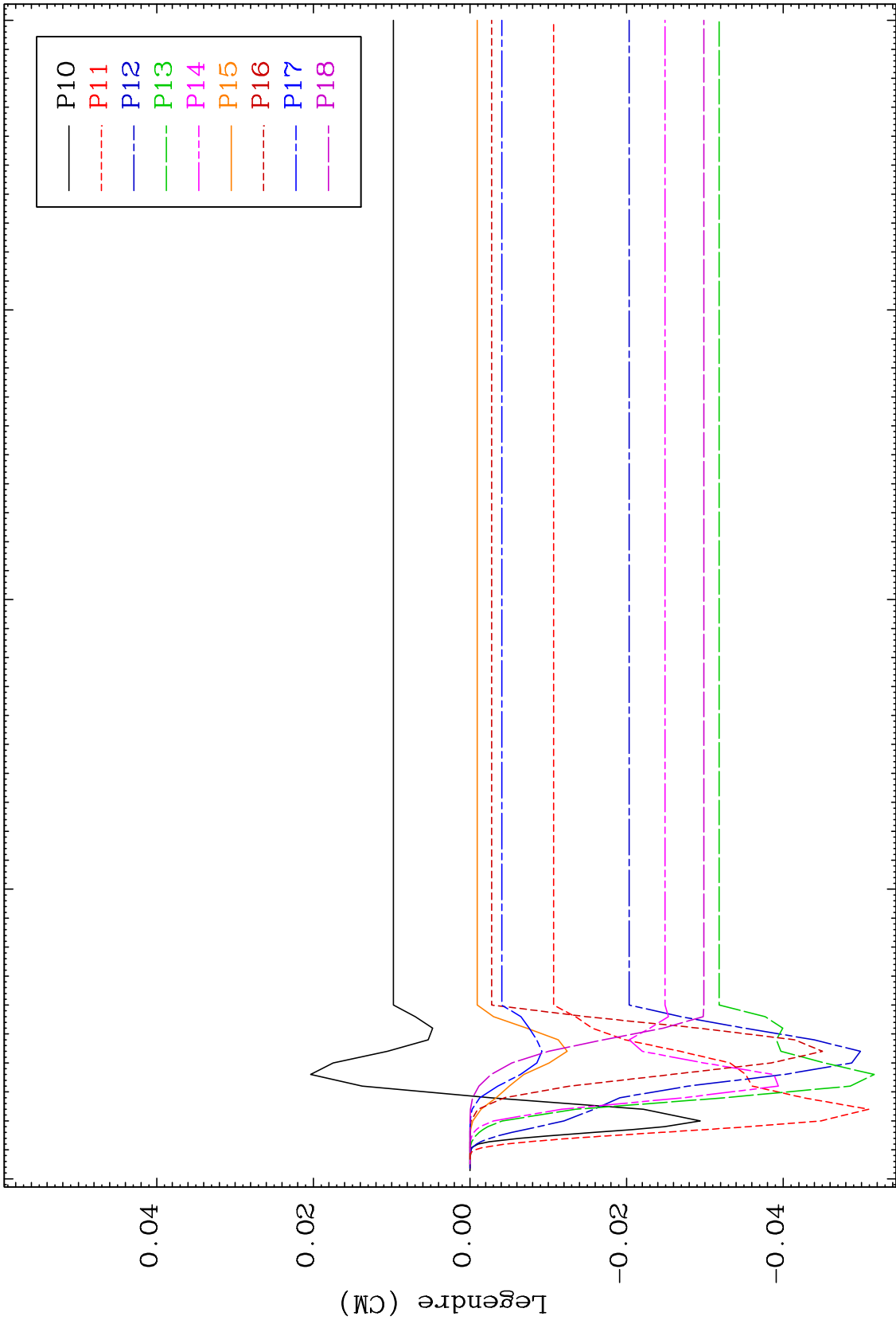
60-Nd-151



MAT 6052

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

60-Nd-151



60-Nd-151

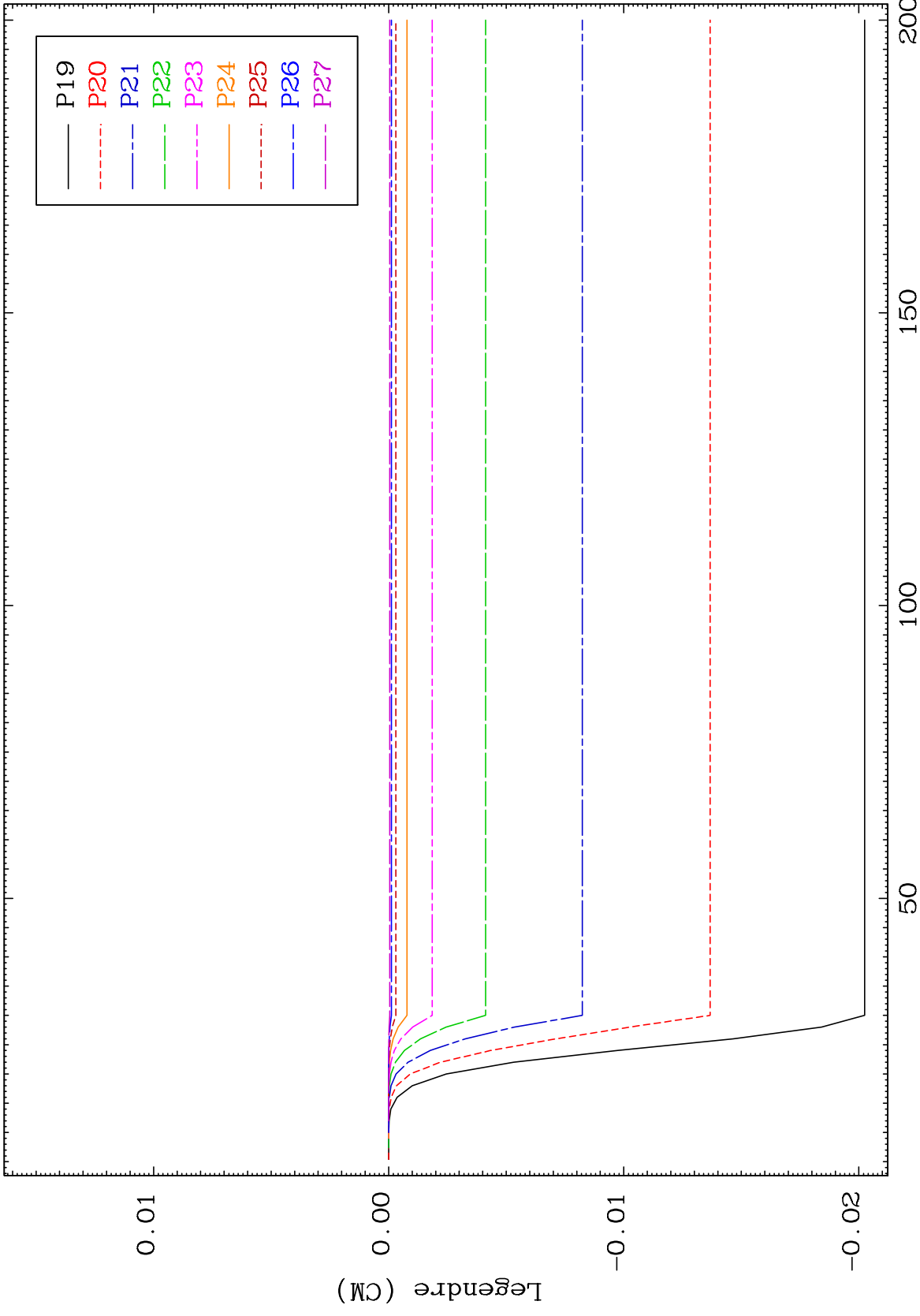
Incident Energy (MeV)

Legendre (CM)

MAT 6052

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

60-Nd-151

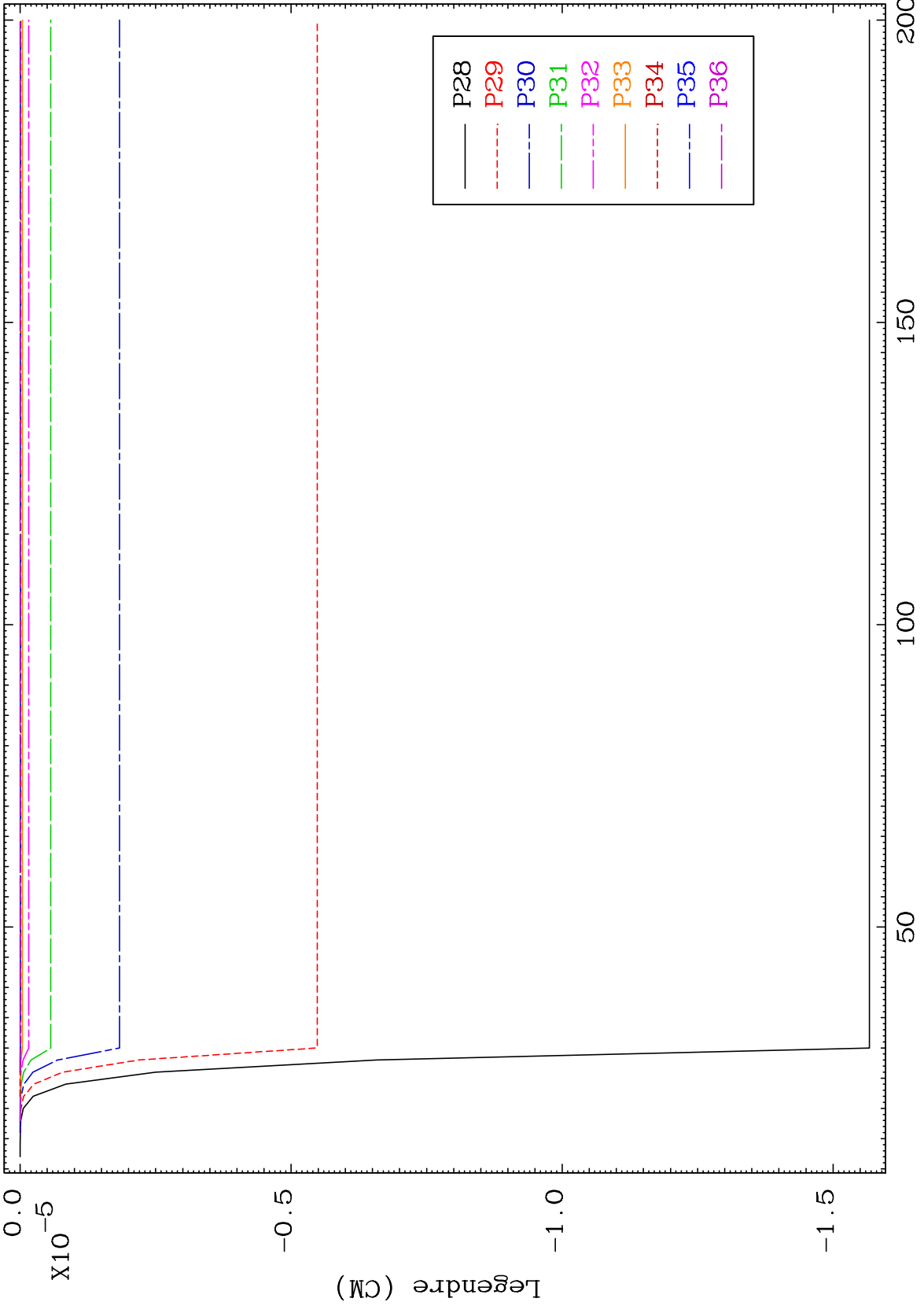


121

Incident Energy (MeV)

60-Nd-151

MAT 6052 MT= 77 (n,n') Level Legendre Coefficients 60-Nd-151

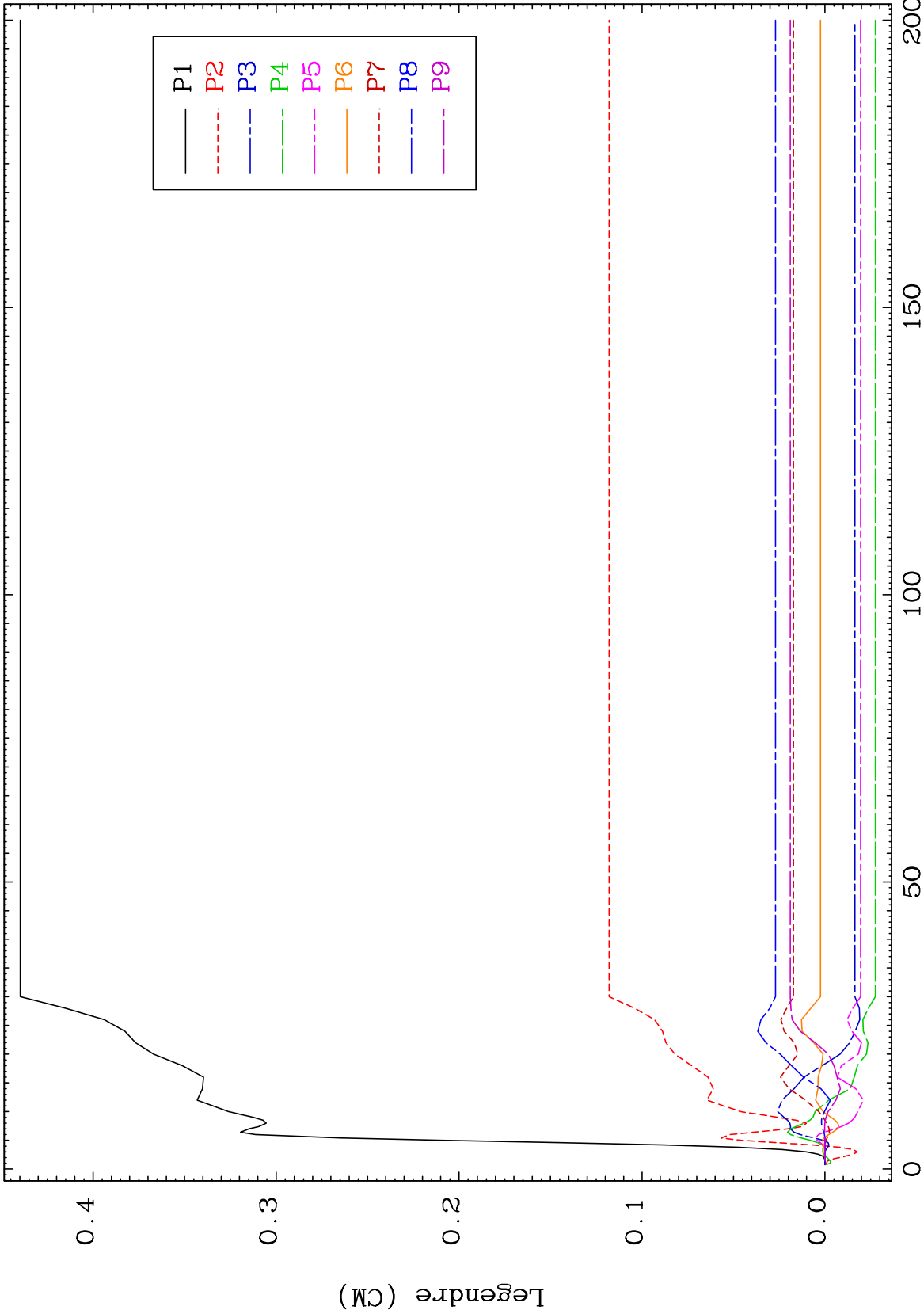


122 60-Nd-151

MAT 6052

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

60-Nd-151



123

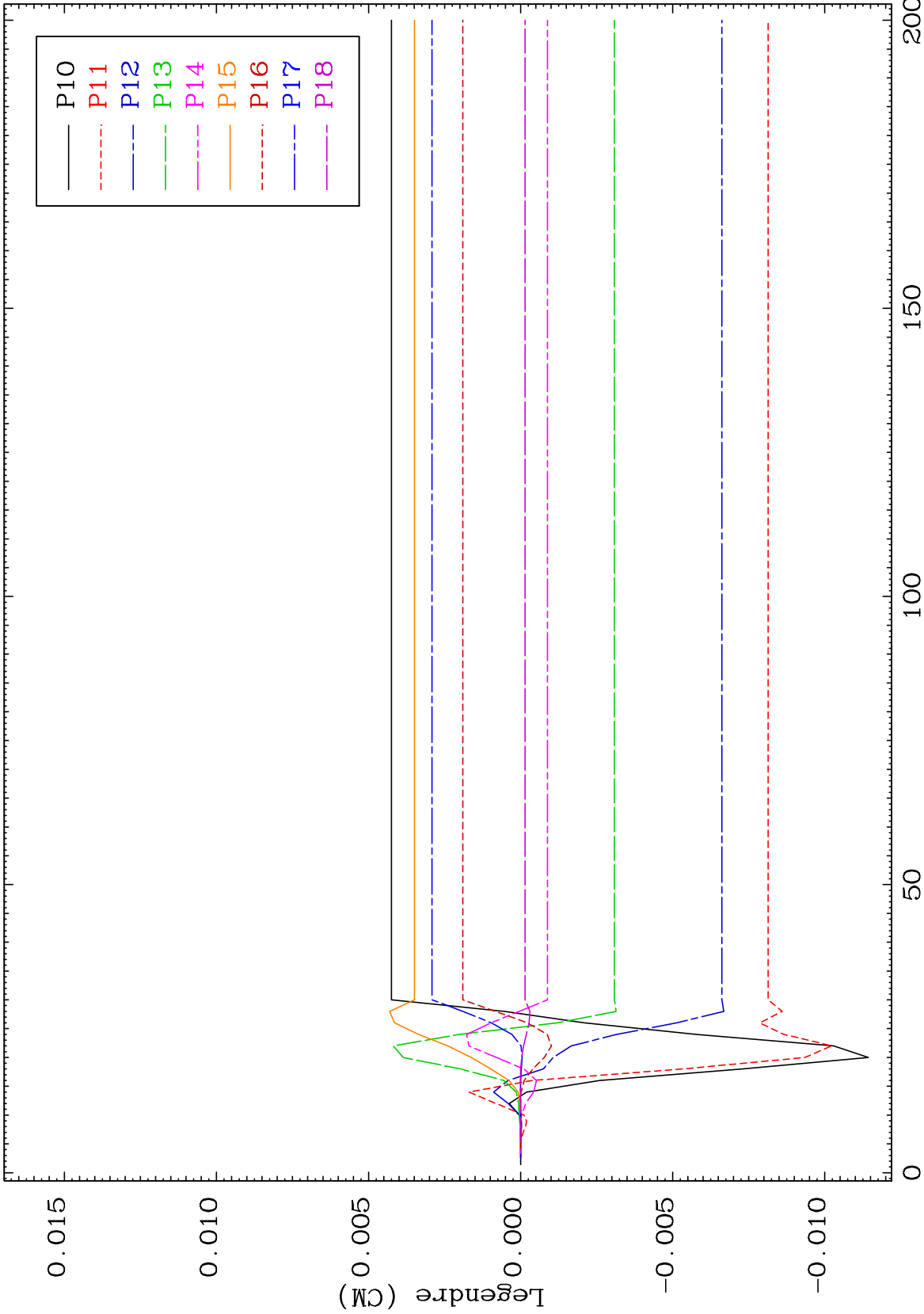
Incident Energy (MeV)

60-Nd-151

MAT 6052

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

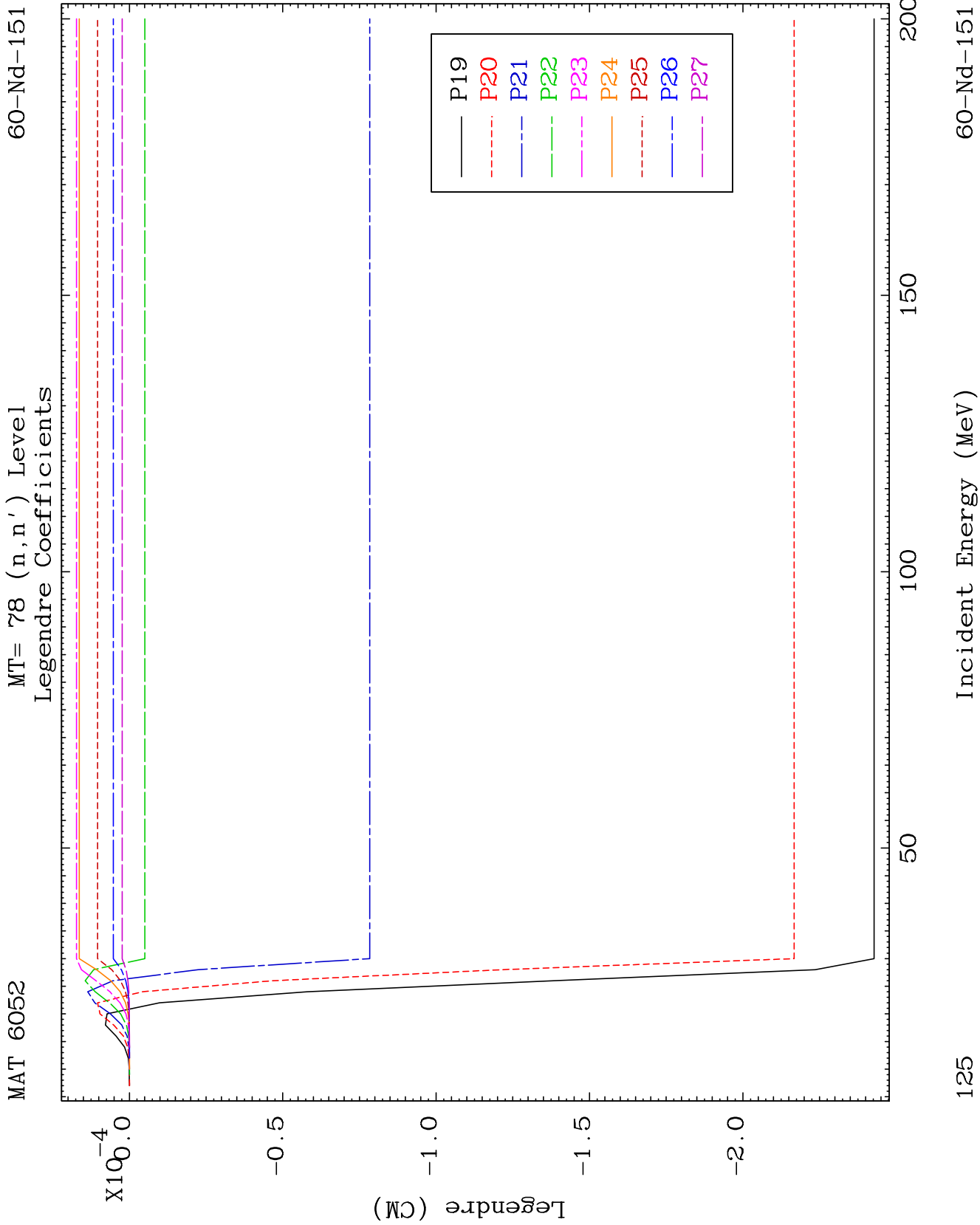
60-Nd-151



124

Incident Energy (MeV)

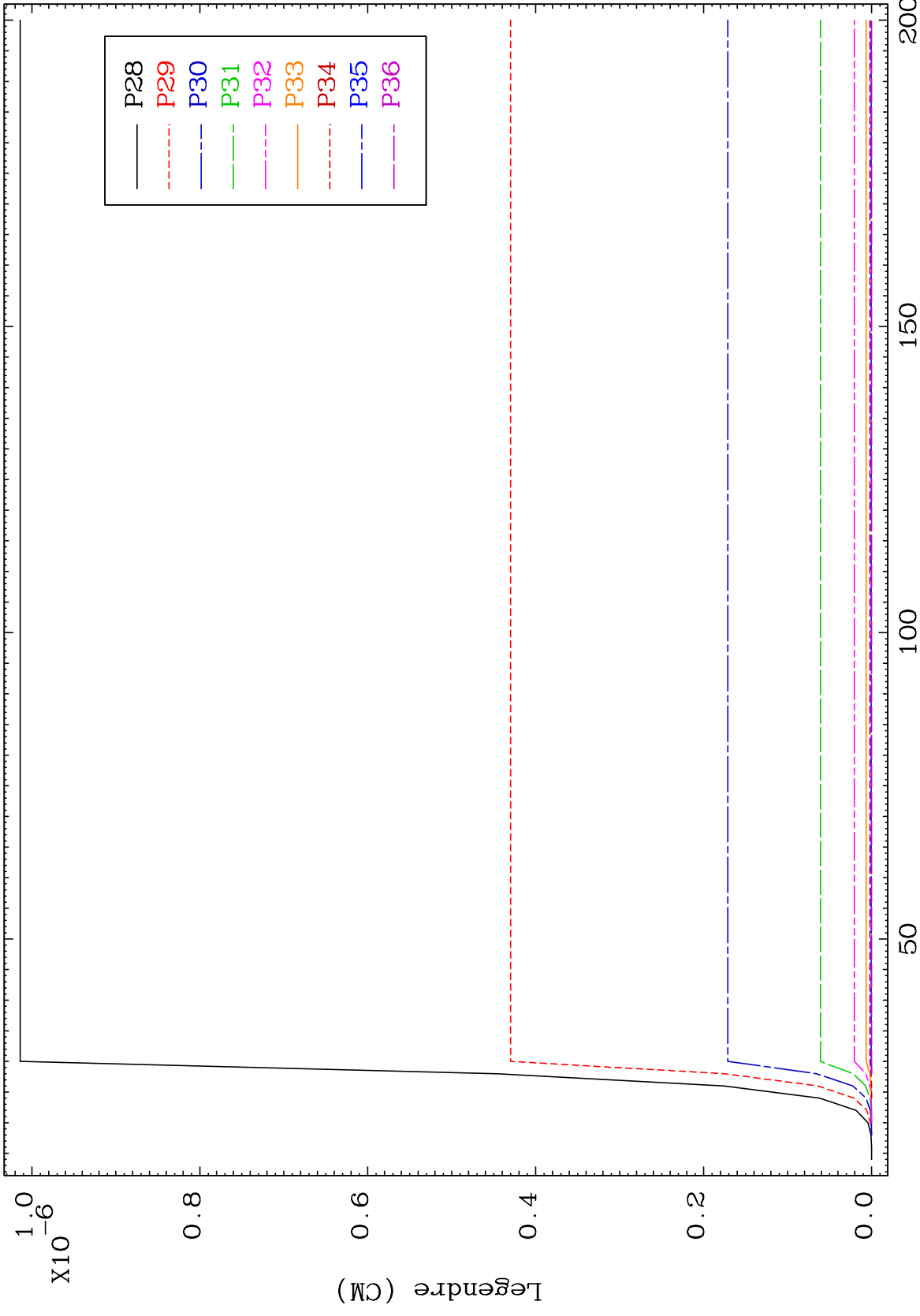
60-Nd-151



MAT 6052

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

60-Nd-151



126

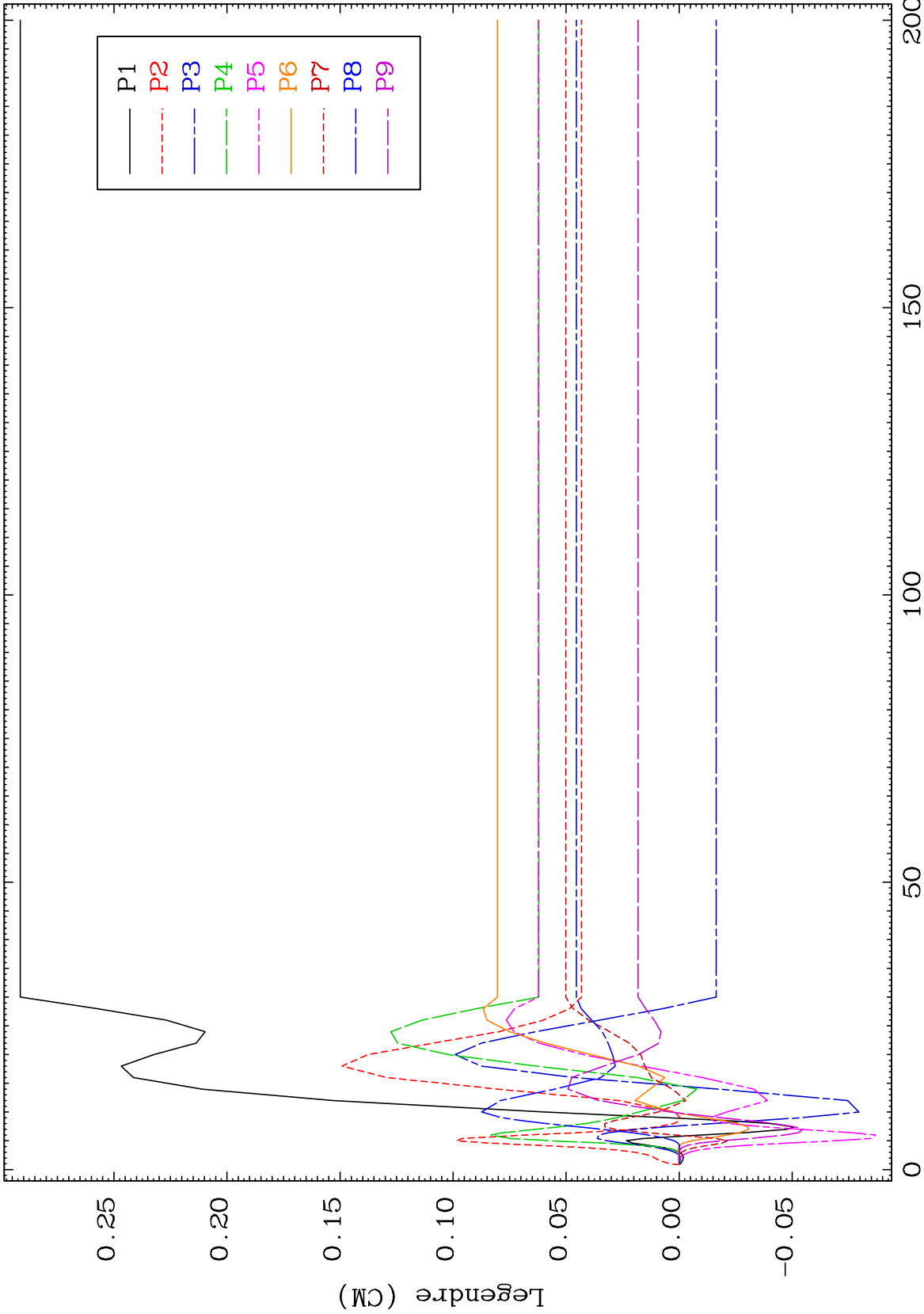
Incident Energy (MeV)

60-Nd-151

MAT 6052

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

60-Nd-151



60-Nd-151

Incident Energy (MeV)

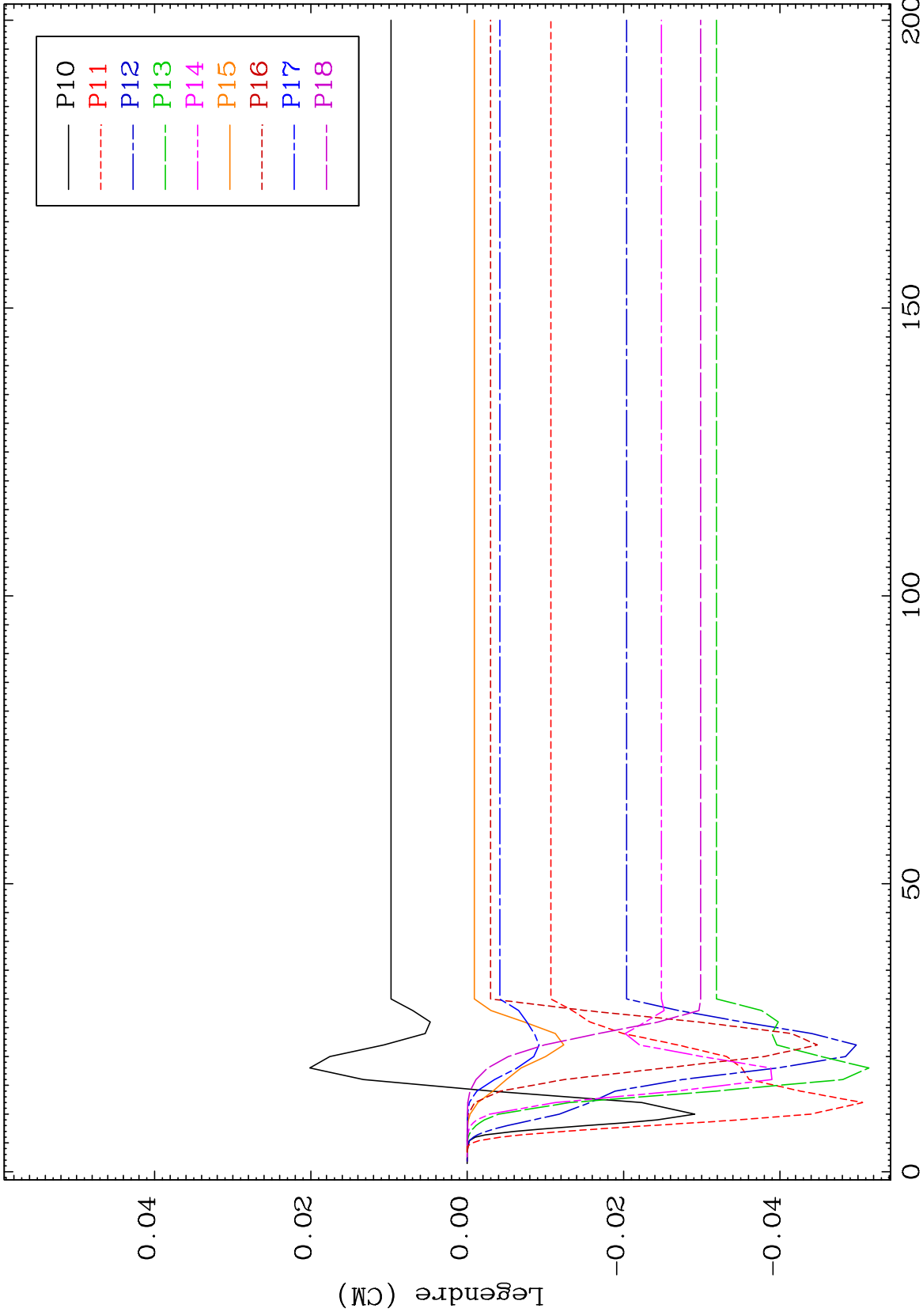
127



MAT 6052

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

60-Nd-151



128

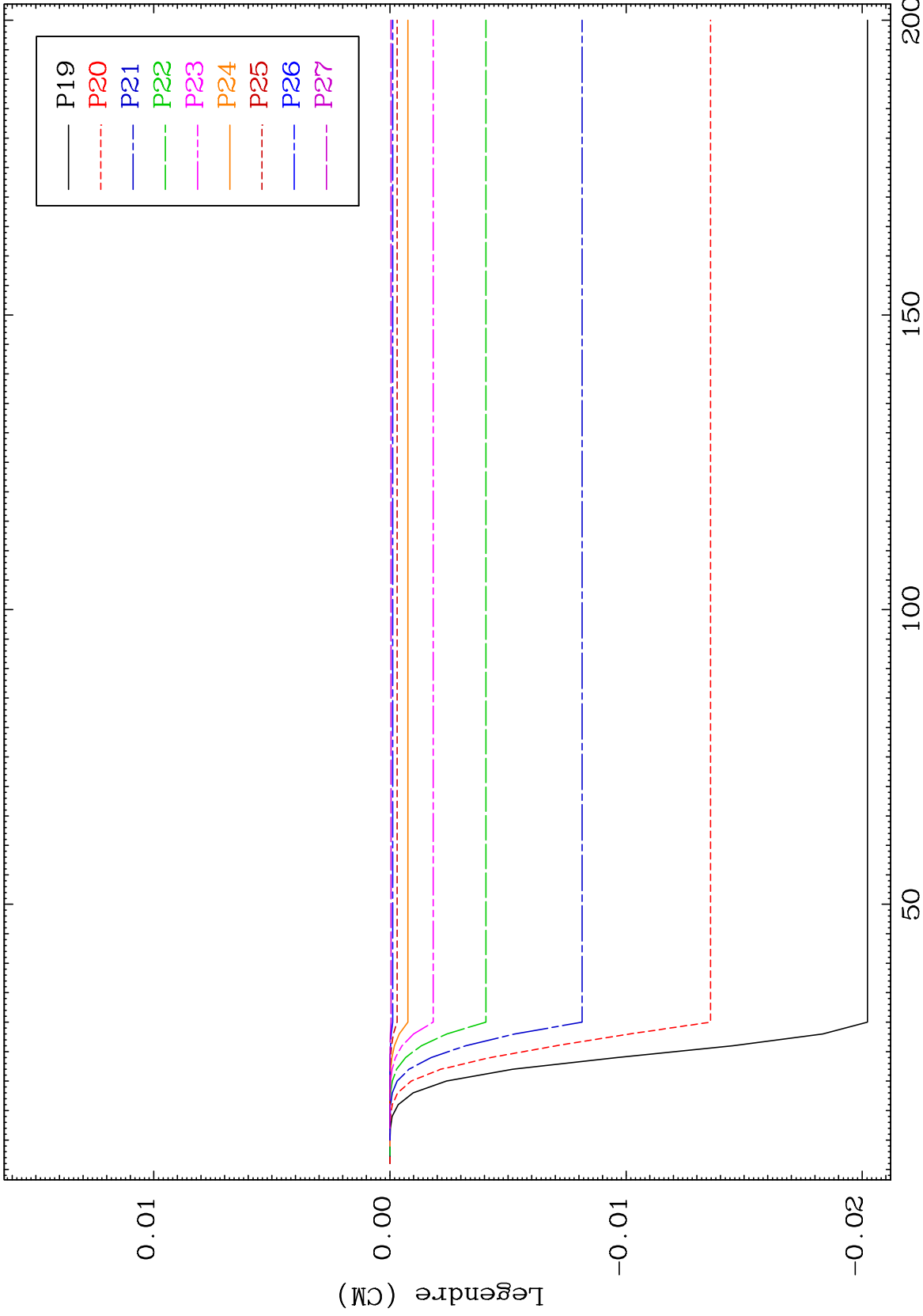
Incident Energy (MeV)

60-Nd-151

MAT 6052

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

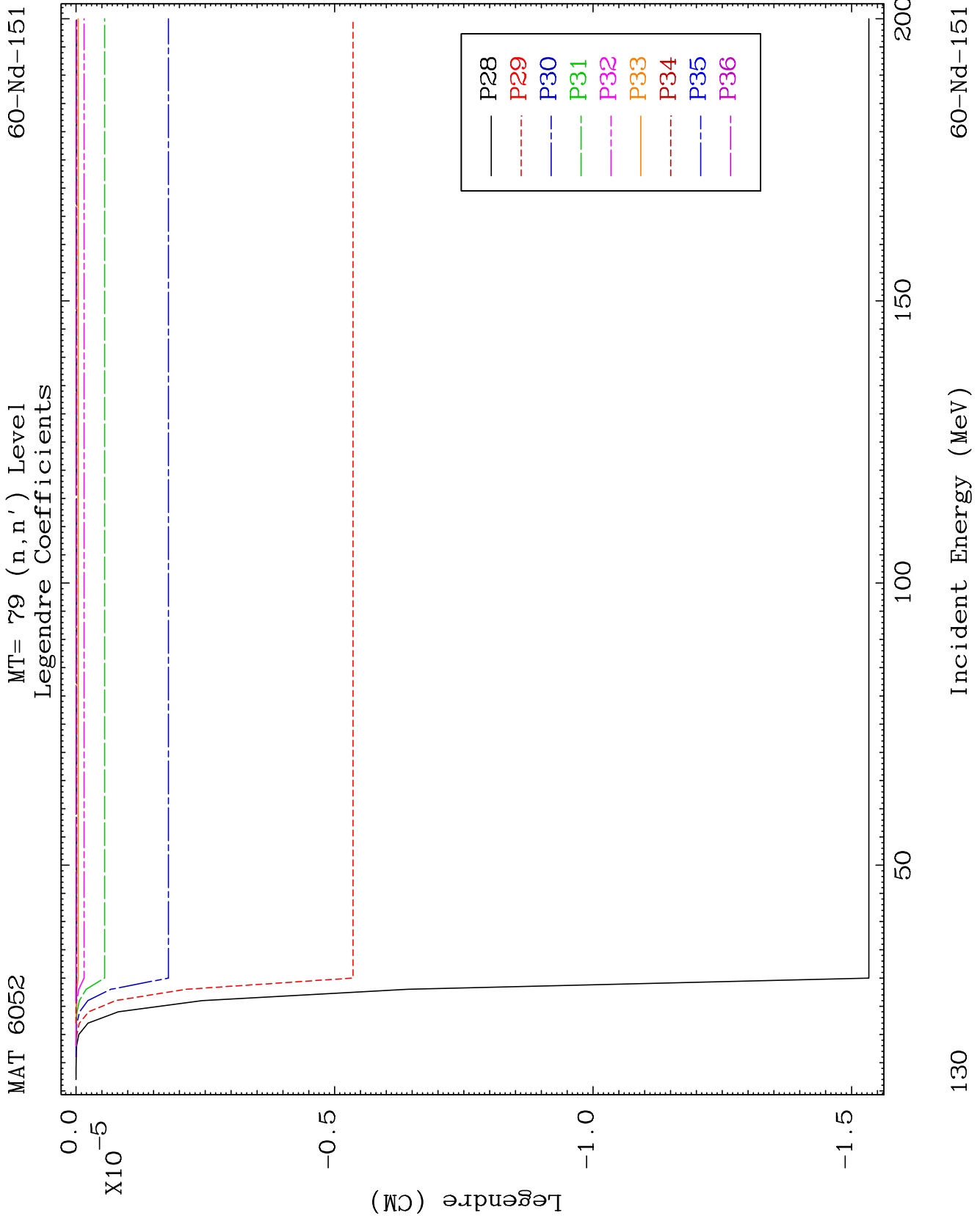
60-Nd-151



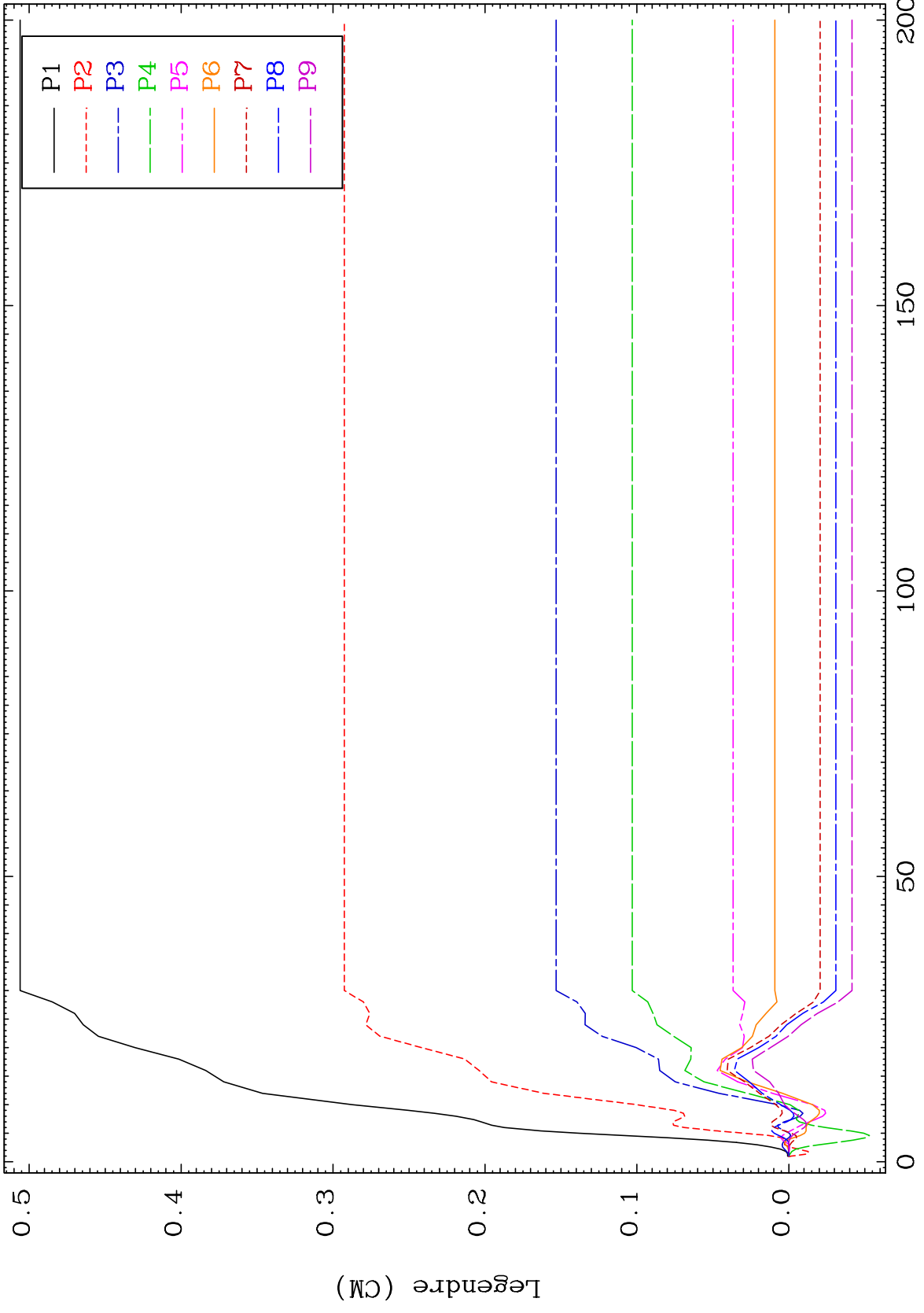
129

Incident Energy (MeV)

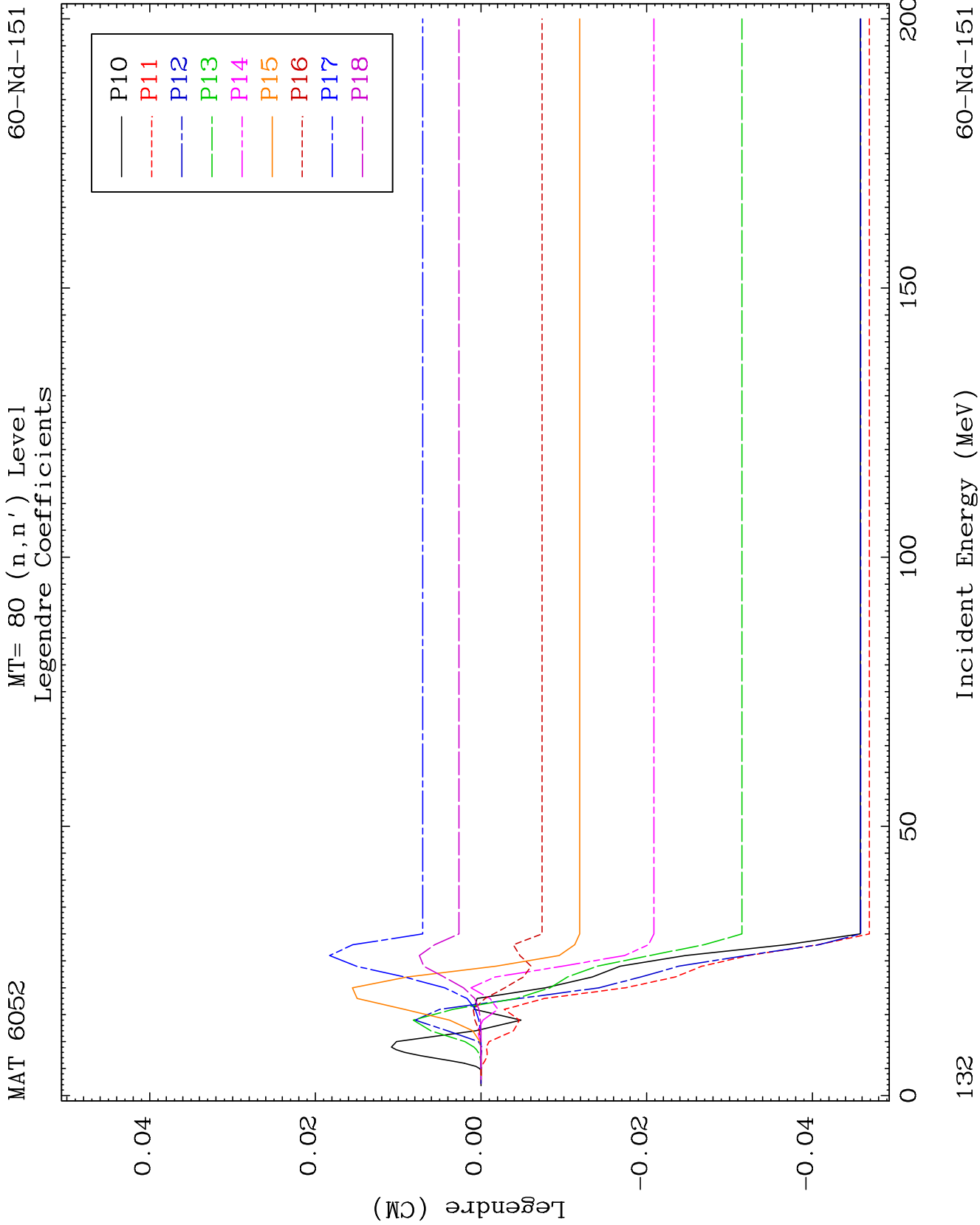
60-Nd-151



MAT 6052 MT= 80 (n,n') Level Legendre Coefficients 60-Nd-151



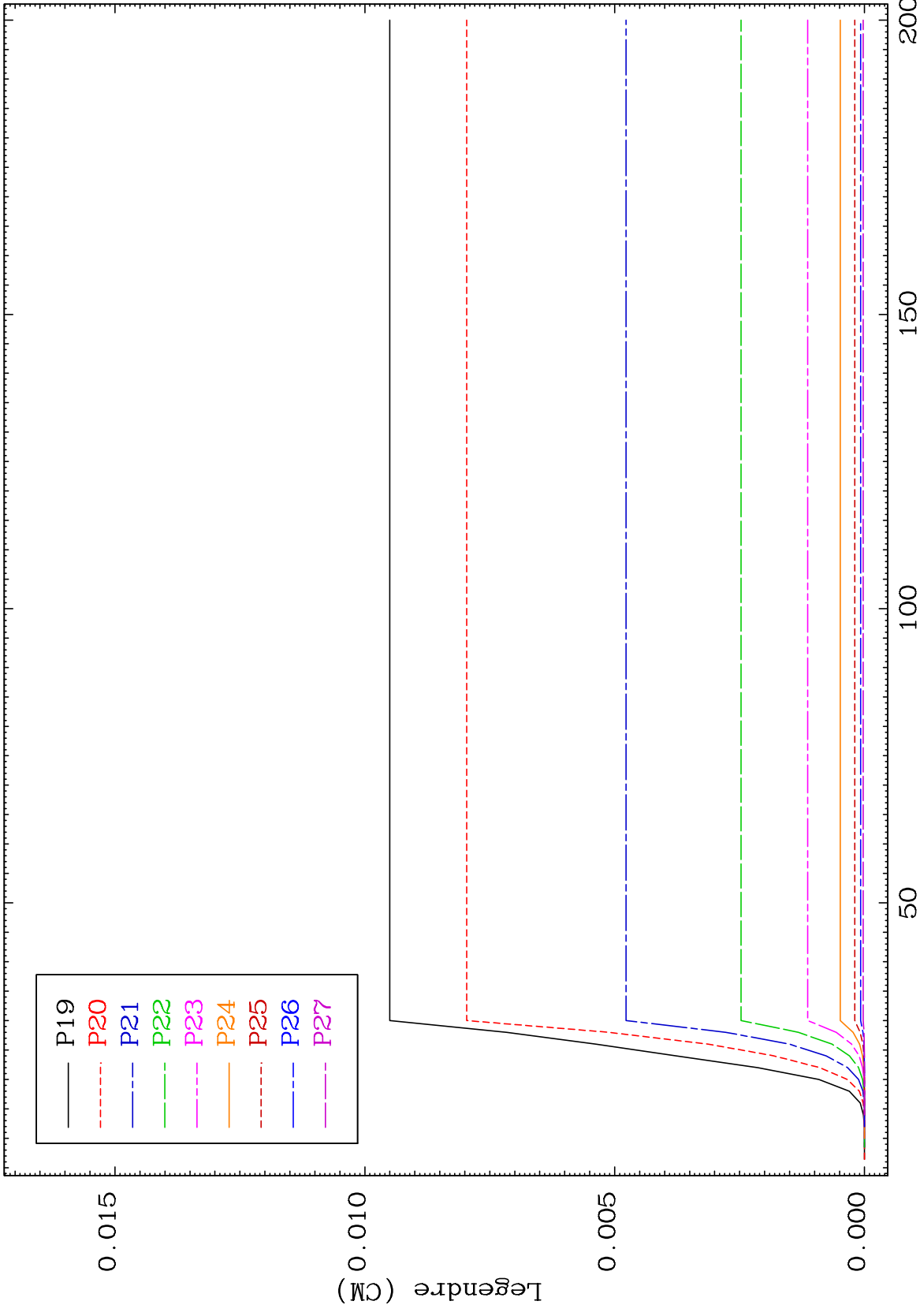
131 Incident Energy (MeV) 60-Nd-151



MAT 6052

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

60-Nd-151



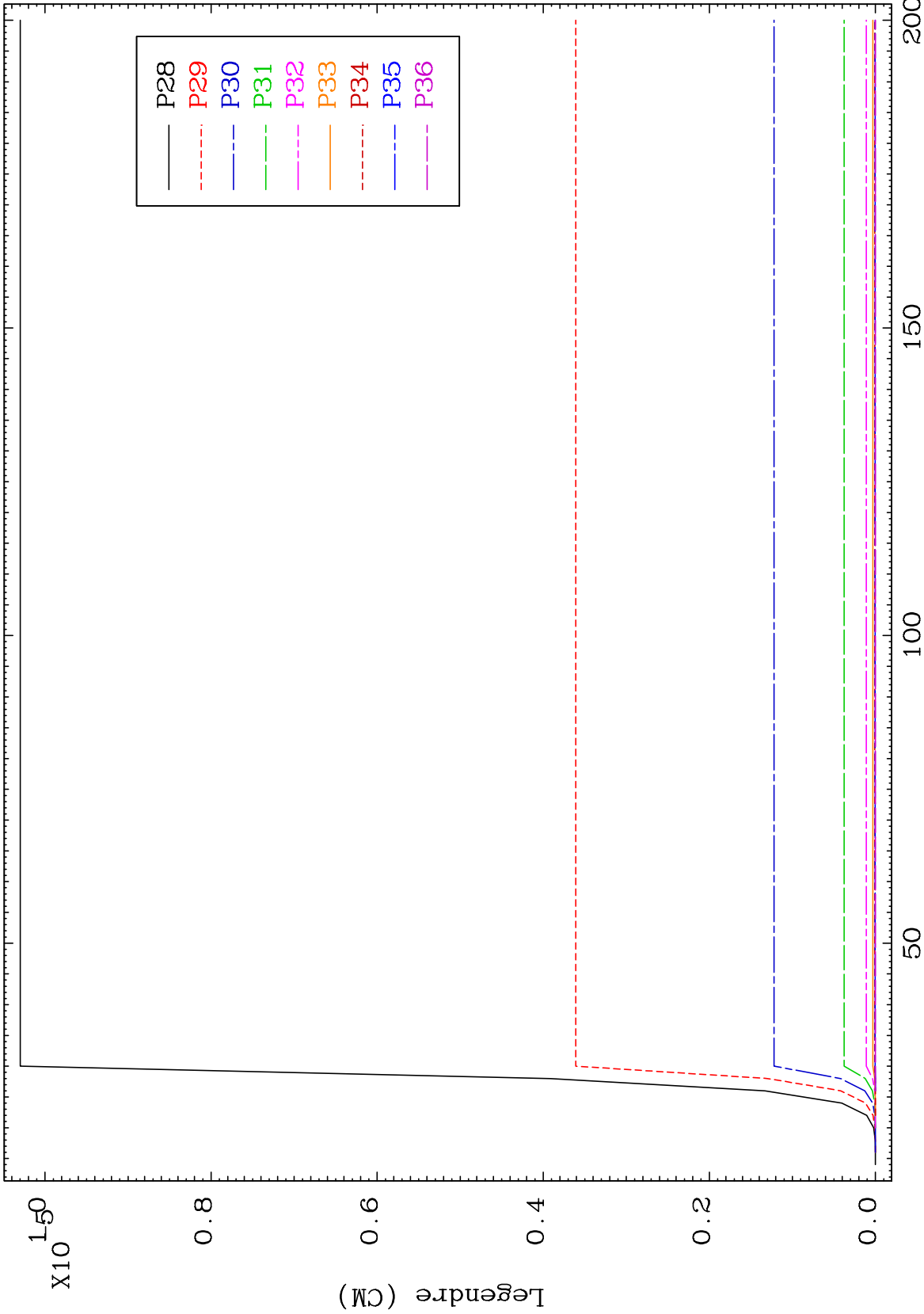
133

60-Nd-151

MAT 6052

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

60-Nd-151



134

Incident Energy (MeV)

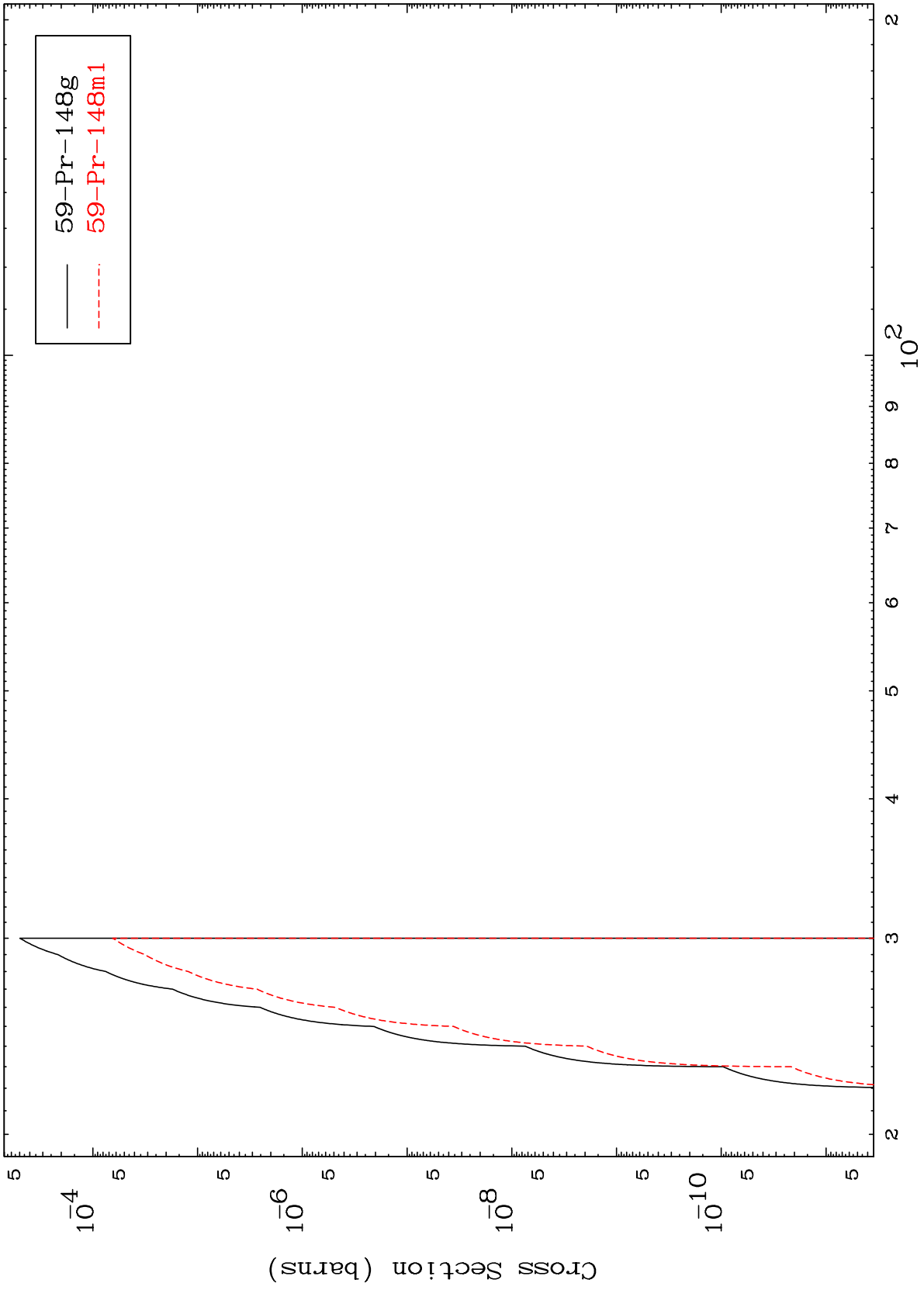
60-Nd-151

MAT 6052

(n,2n) d

60-Nd-151

Radionuclide Production Cross Section



135

Incident Energy (MeV)

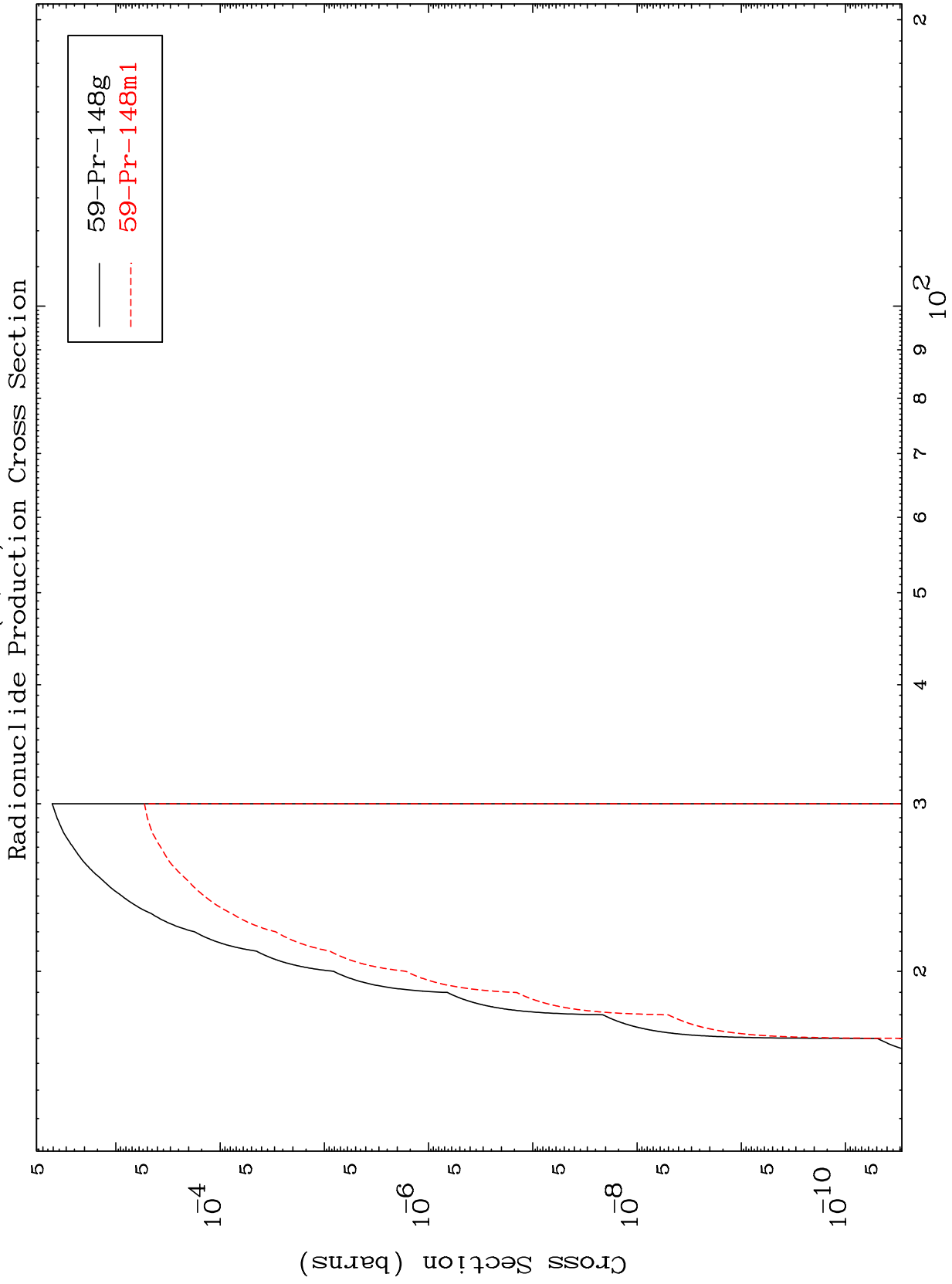
60-Nd-151



MAT 6052

(n,n') t

60-Nd-151



136

Incident Energy (MeV)

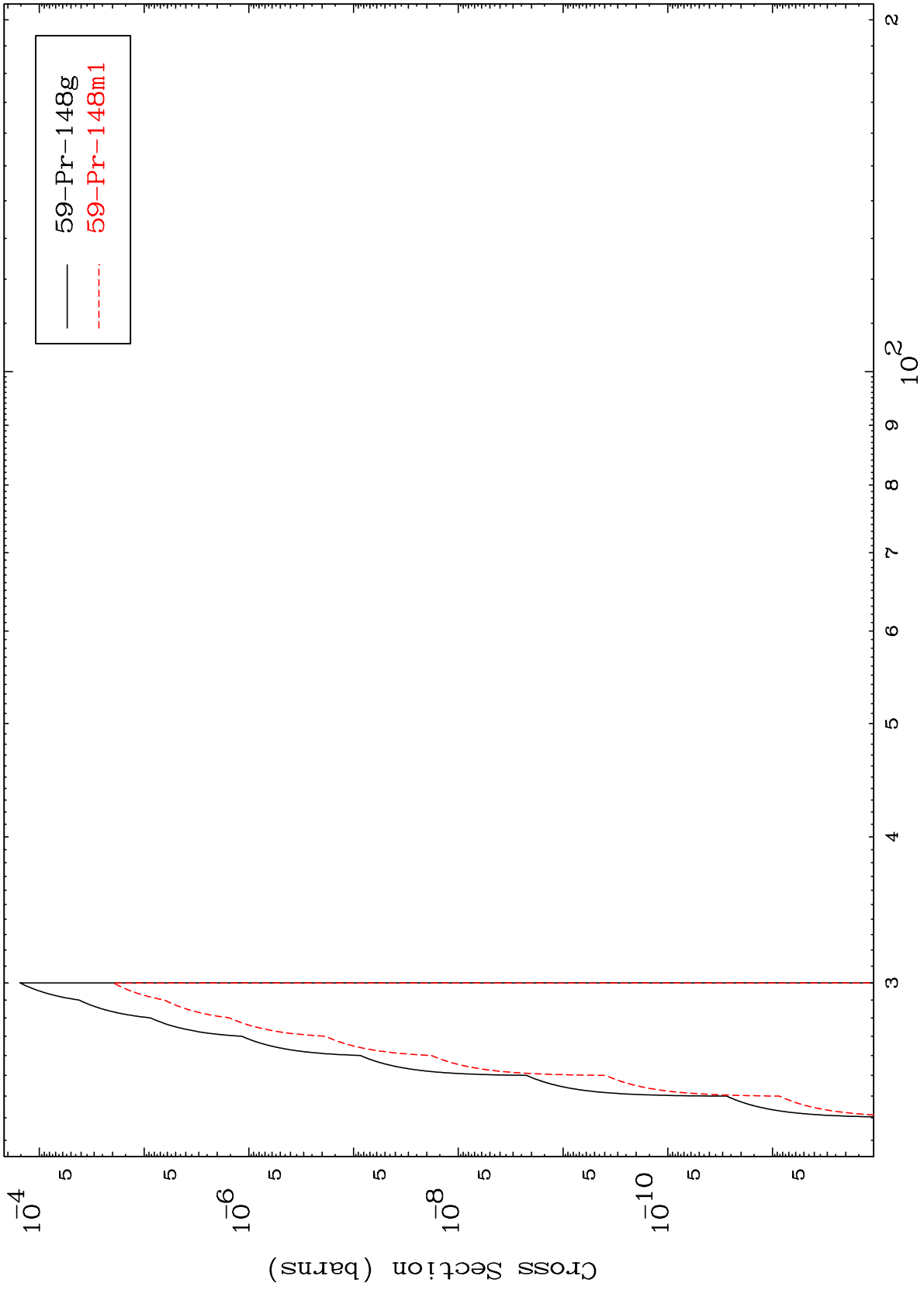
60-Nd-151

MAT 6052

(n,3n) p

60-Nd-151

Radionuclide Production Cross Section



137

Incident Energy (MeV)

60-Nd-151