

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

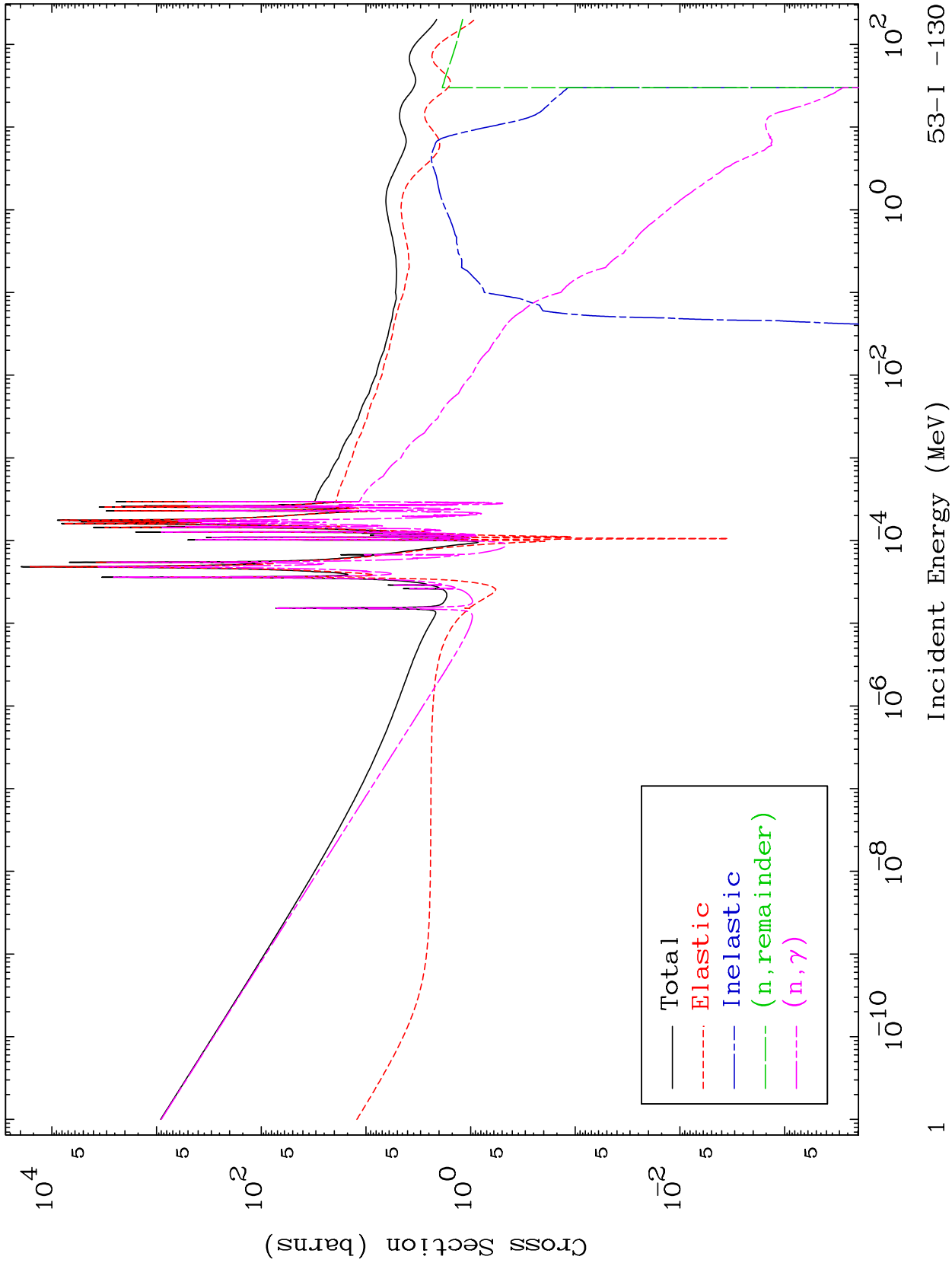
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

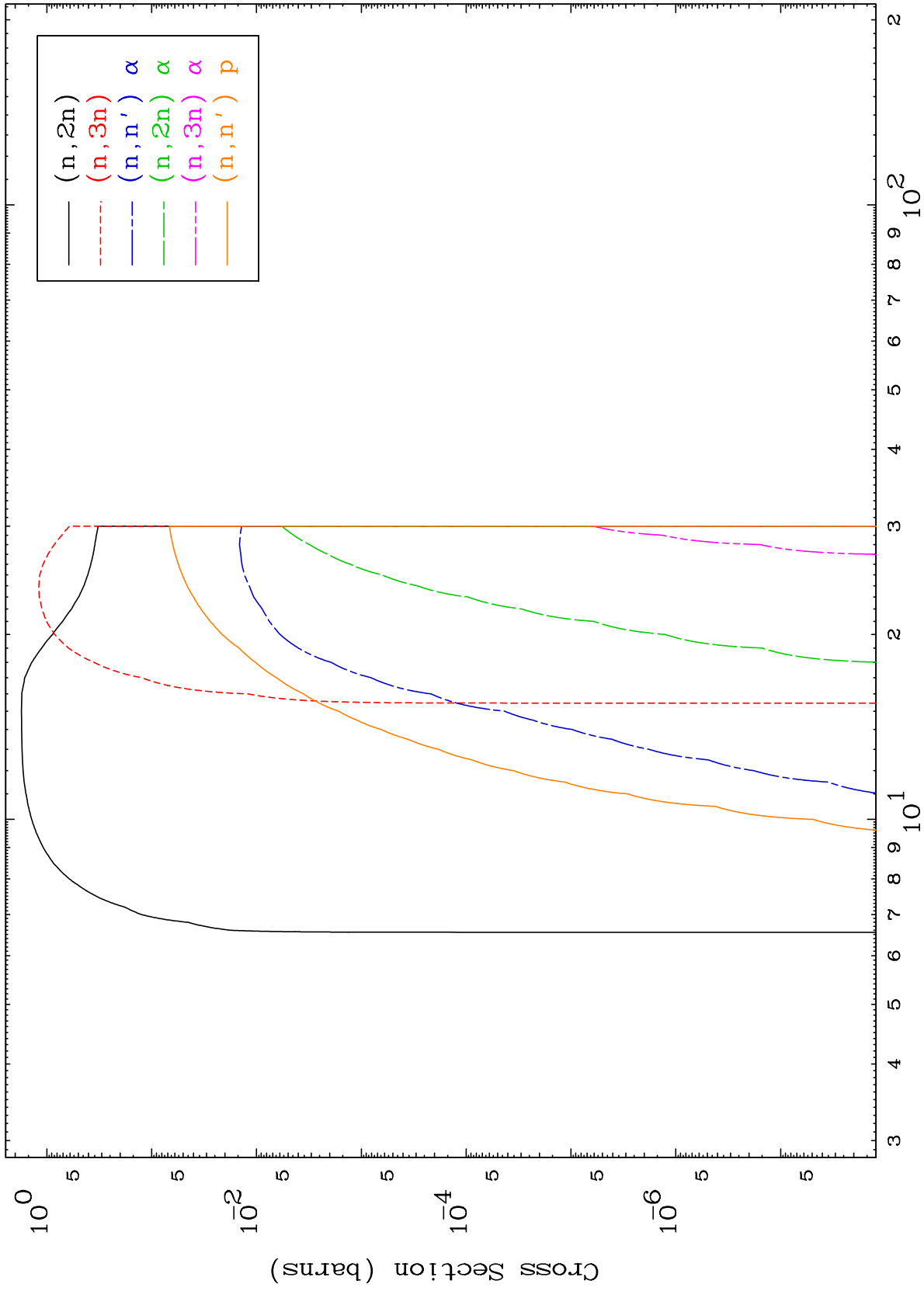
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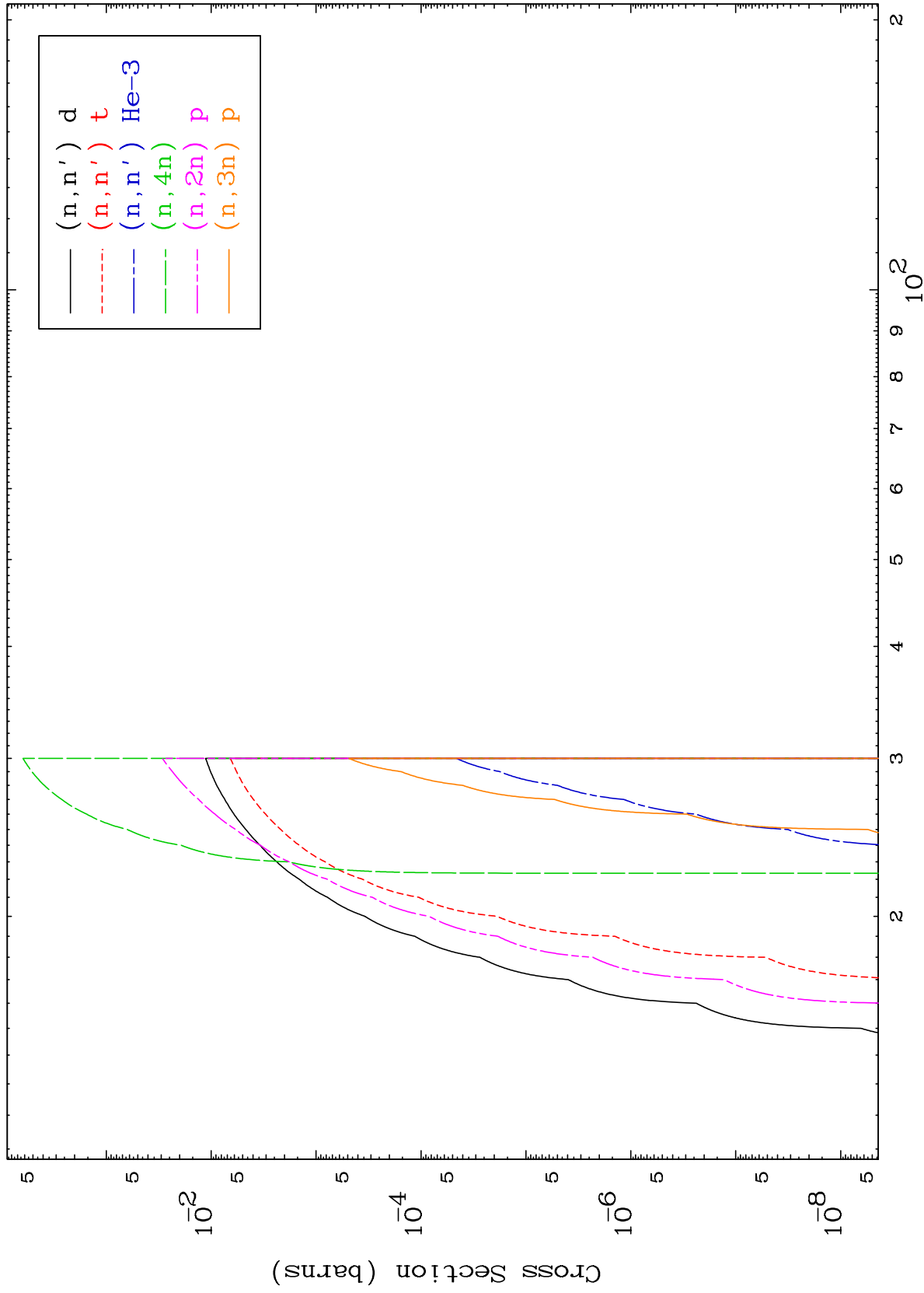
MAT 5334

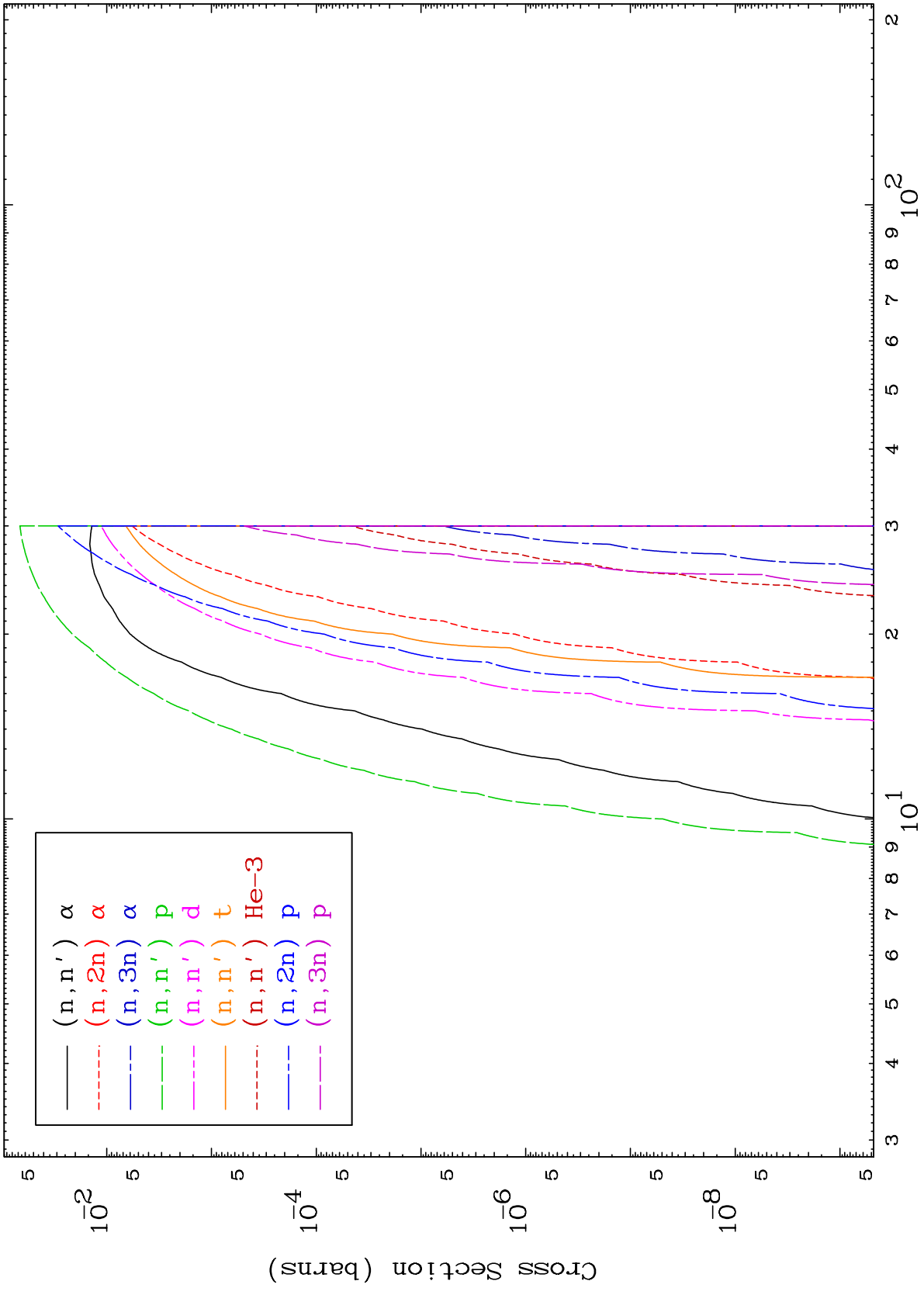
Major  
293 Kelvin Cross Sections

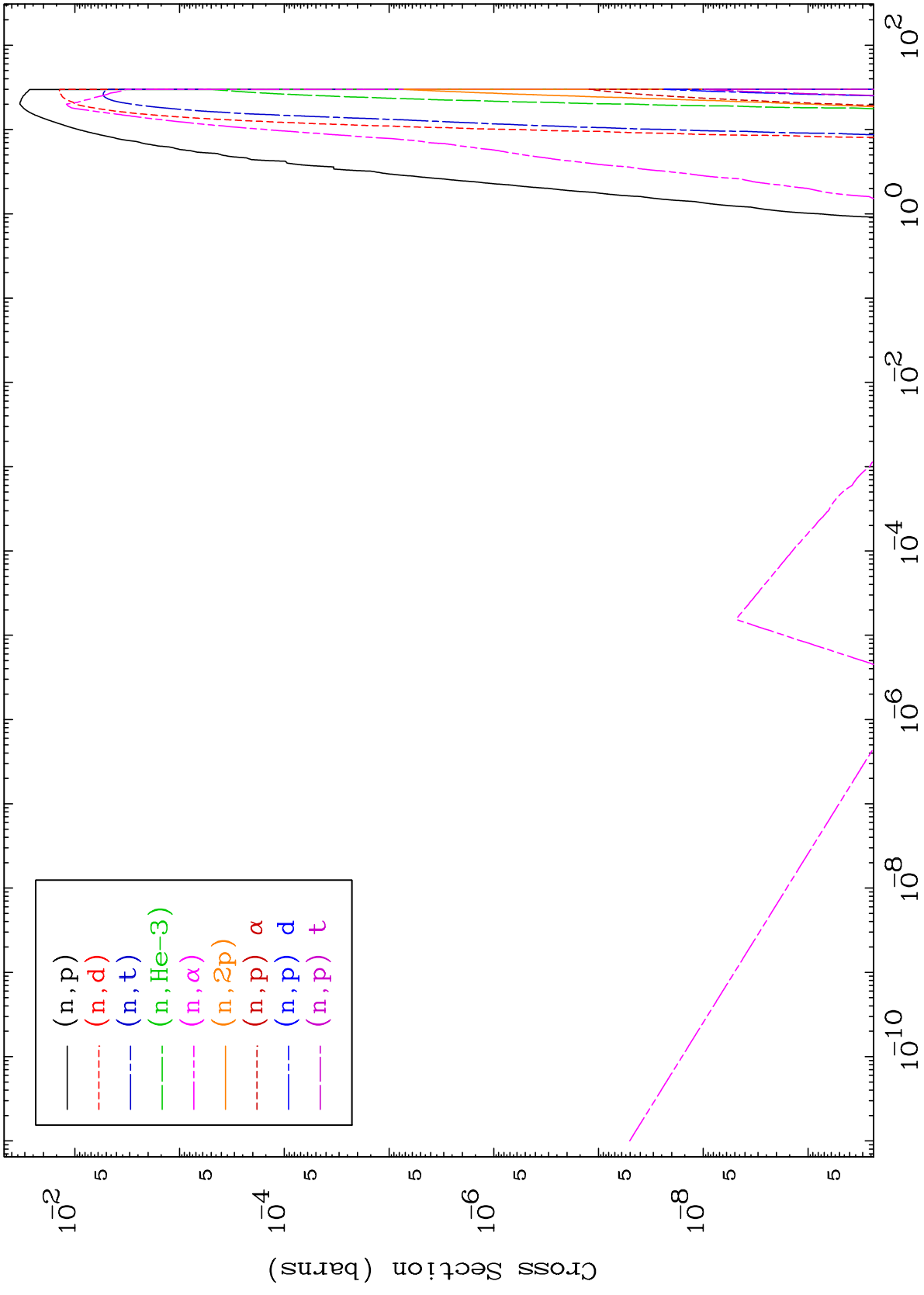
53-I -130

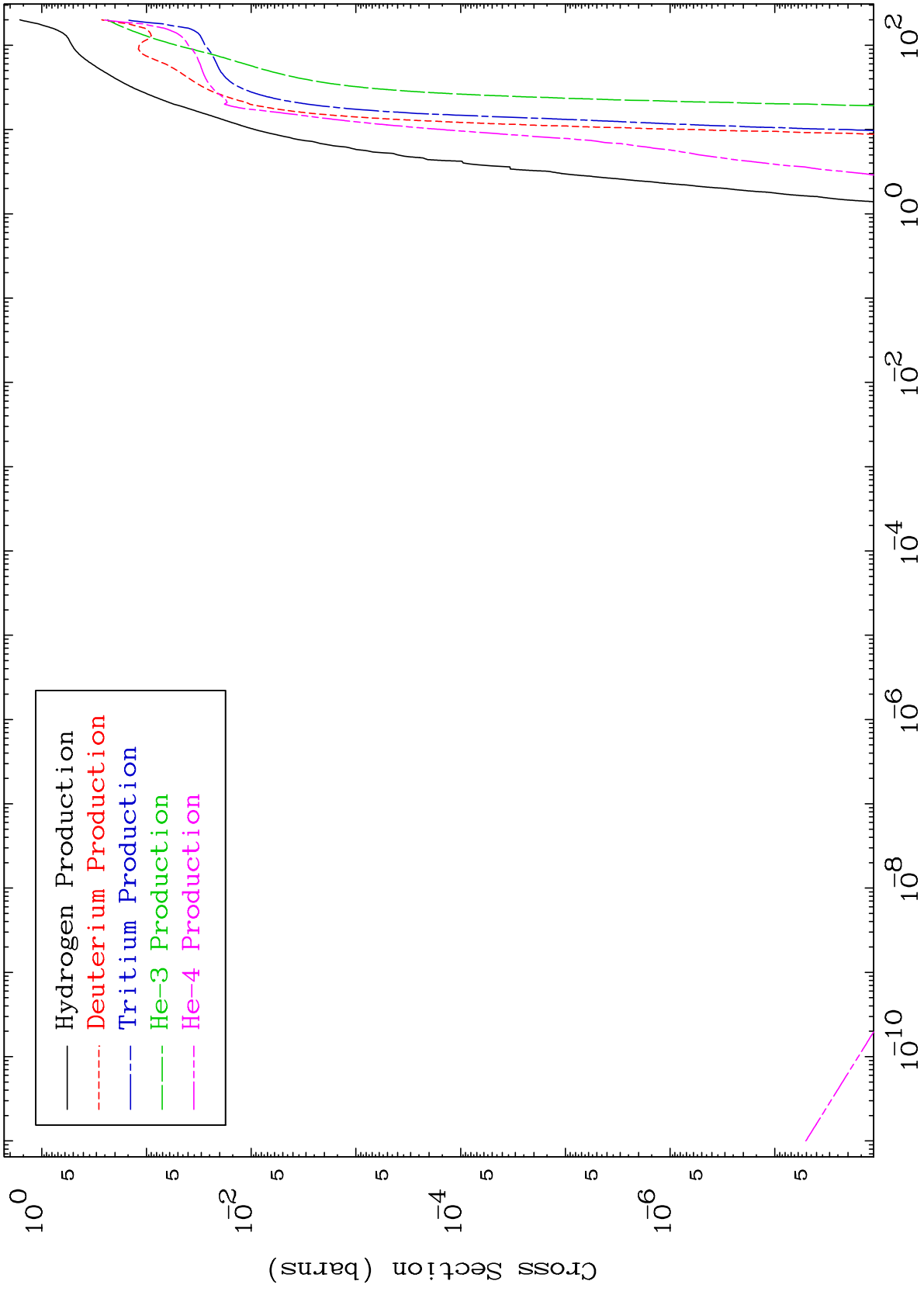








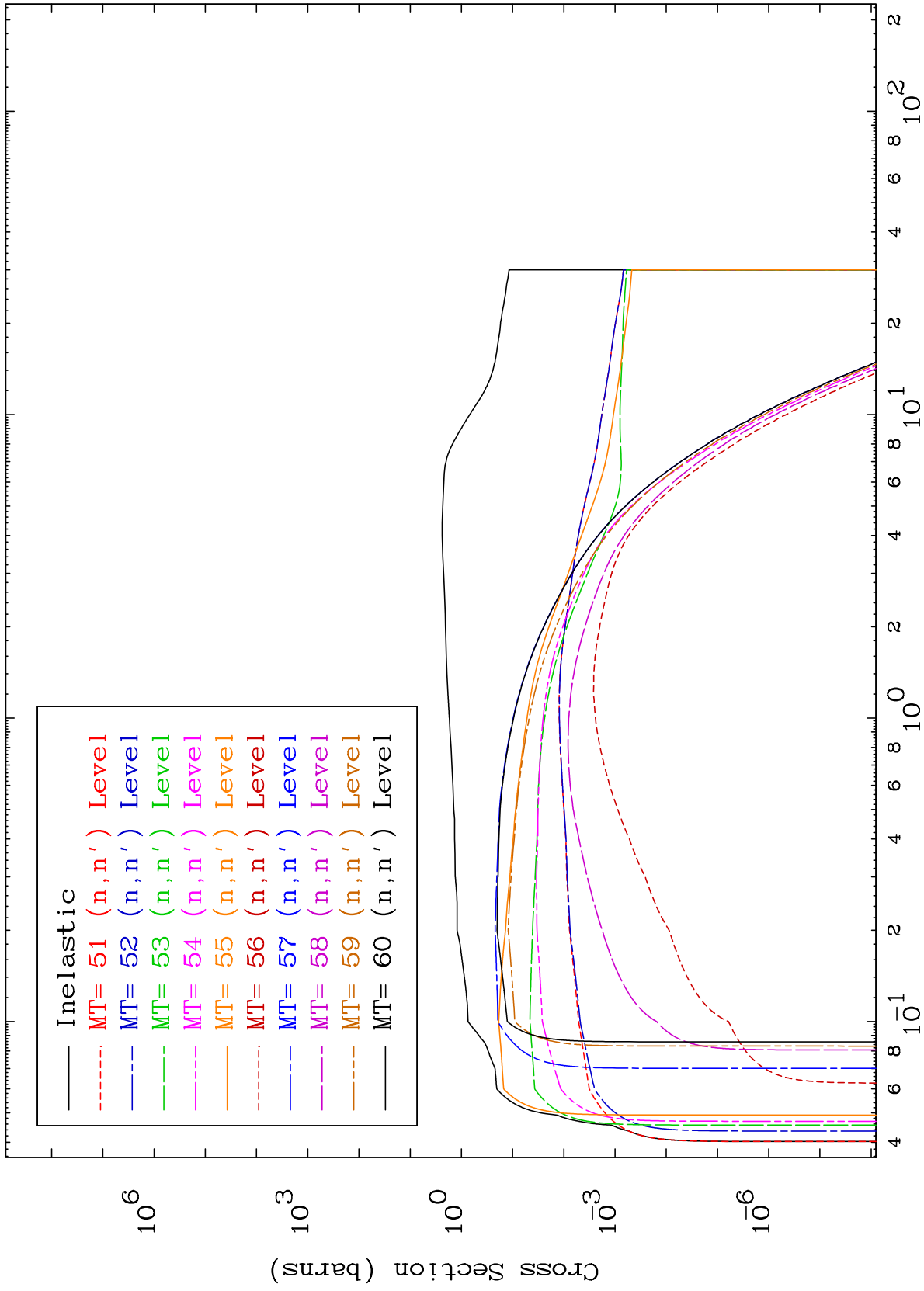




MAT 5334

(n,n') Level  
293 Kelvin Cross Sections

53-I -130



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53-I -130

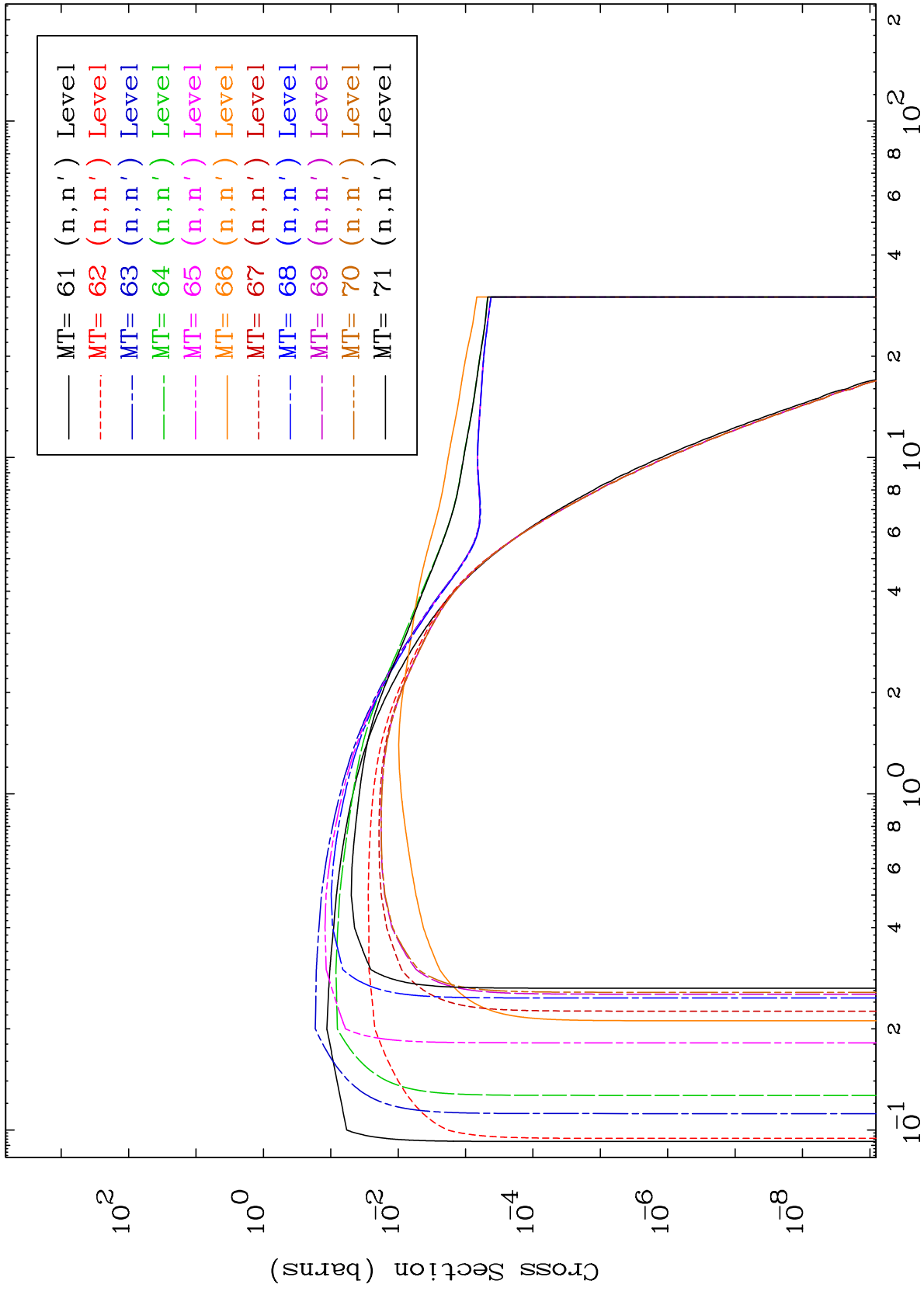


MAT 5334

(n,n') Level

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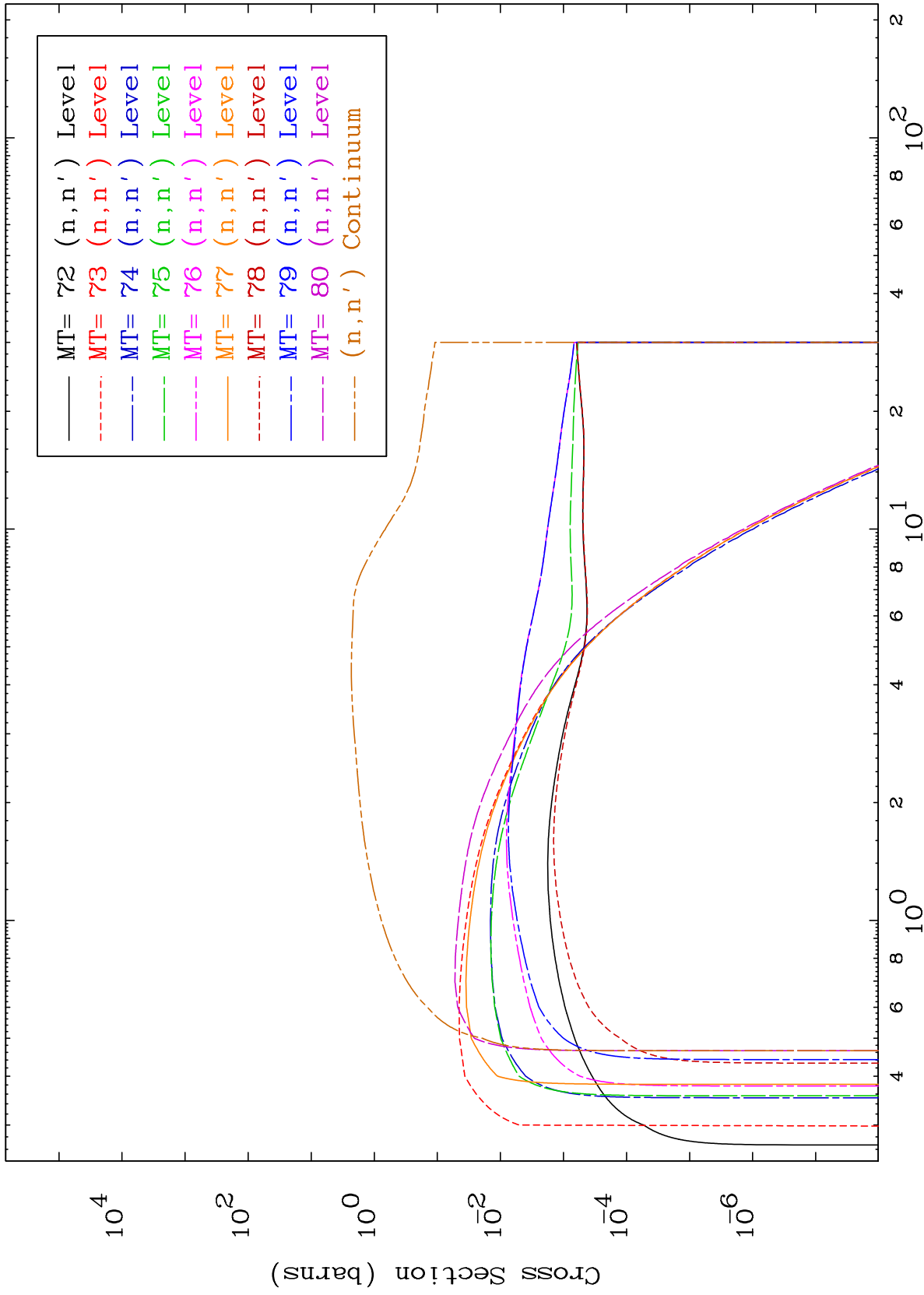
293 Kelvin Cross Sections



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Incident Energy (MeV)

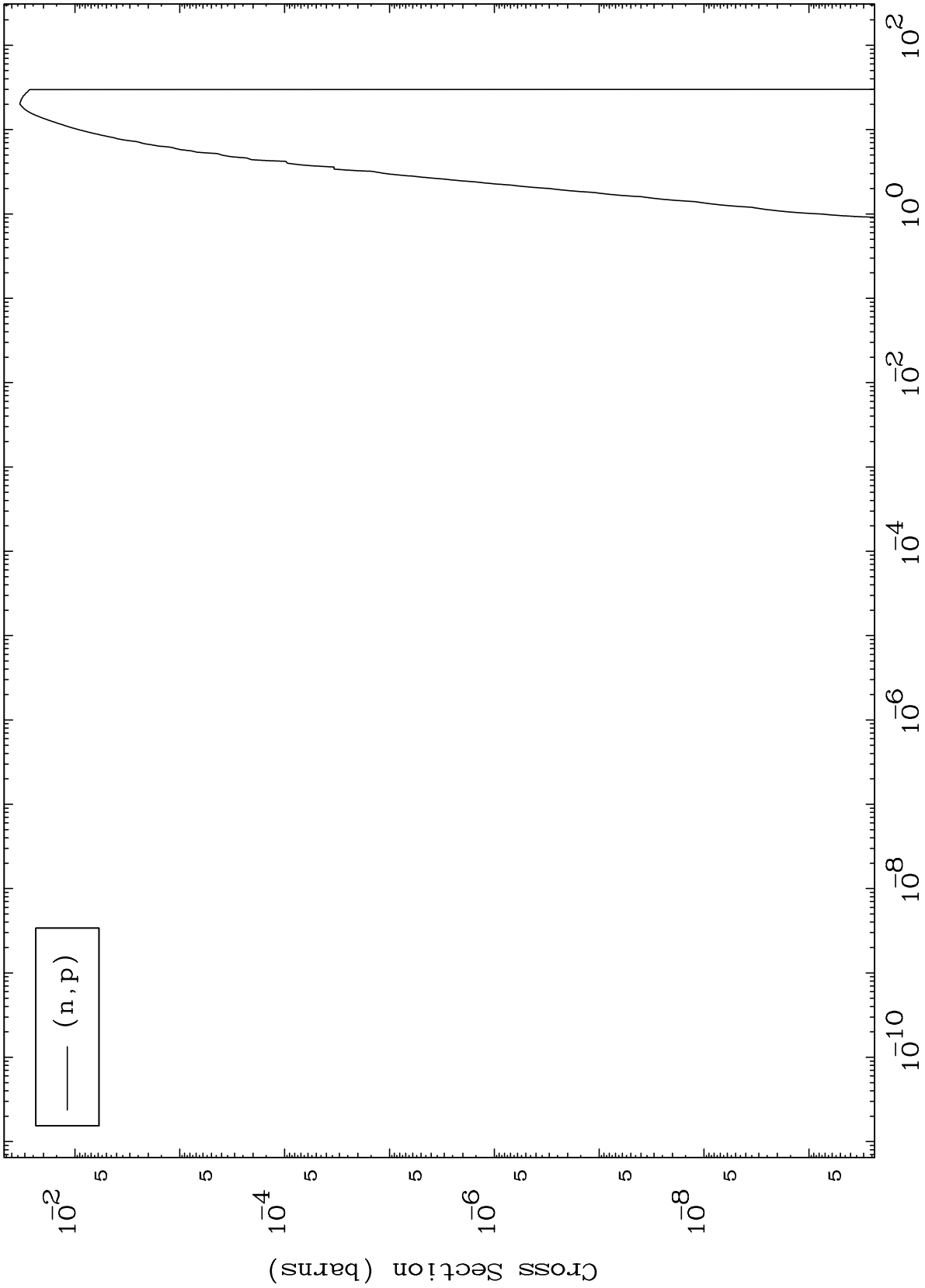
53-I -130



MAT 5334

(n,p) Levels  
293 Kelvin Cross Sections

53-I -130



10

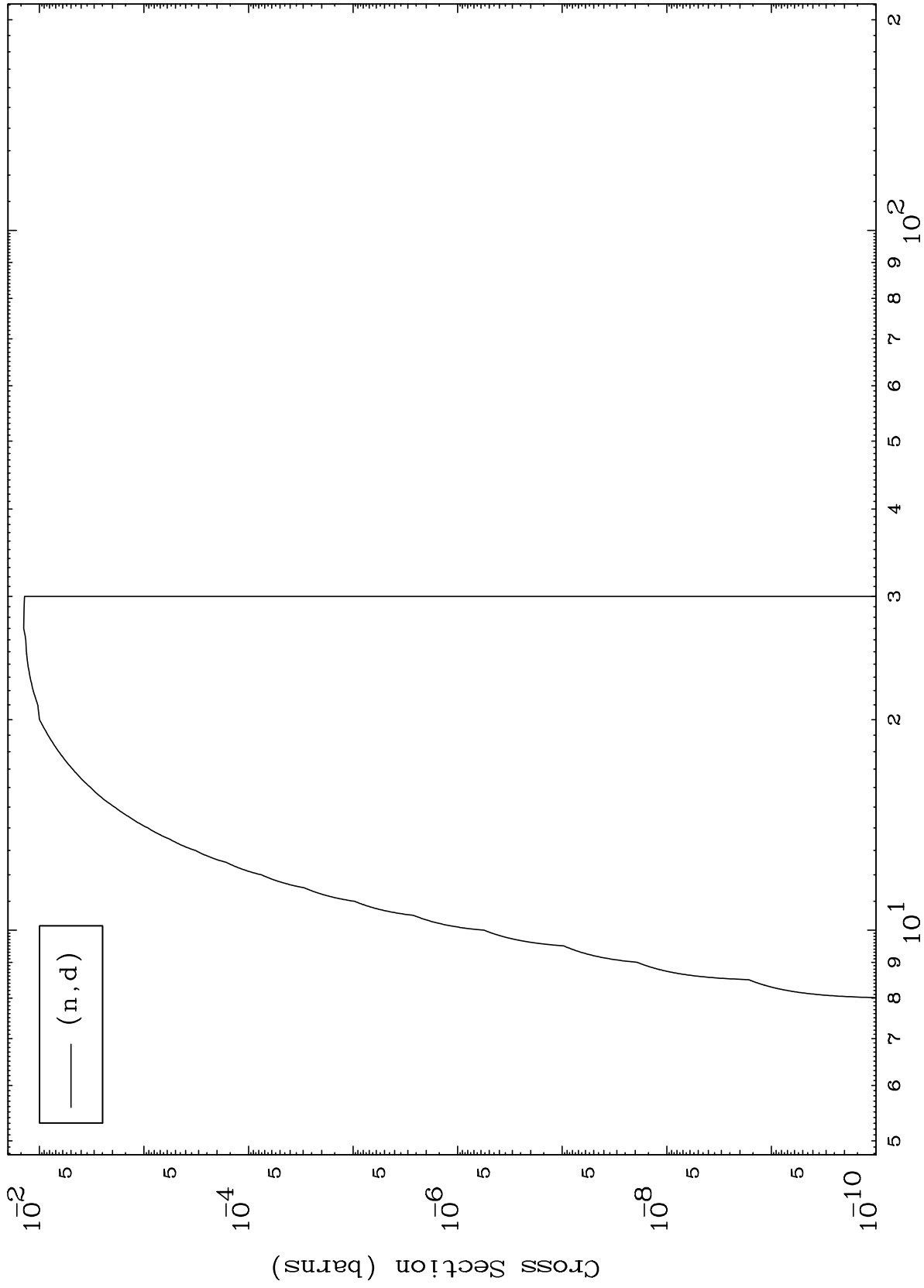
Incident Energy (MeV)

53-I -130

MAT 5334

(n,d) Levels  
293 Kelvin Cross Sections

53-I -130



11

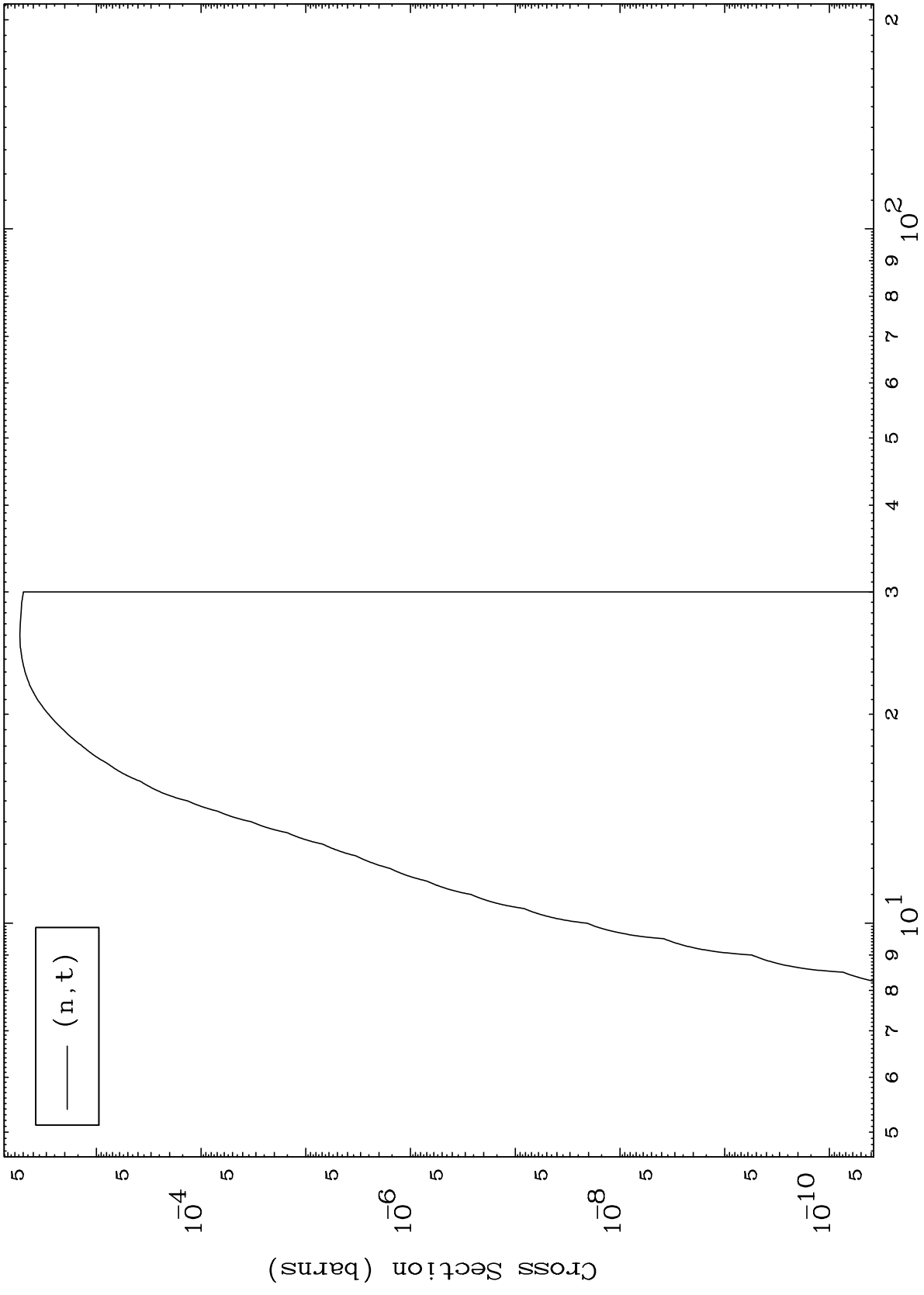
Incident Energy (MeV)

53-I -130

MAT 5334

(n,t) Levels  
293 Kelvin Cross Sections

53-I -130



12

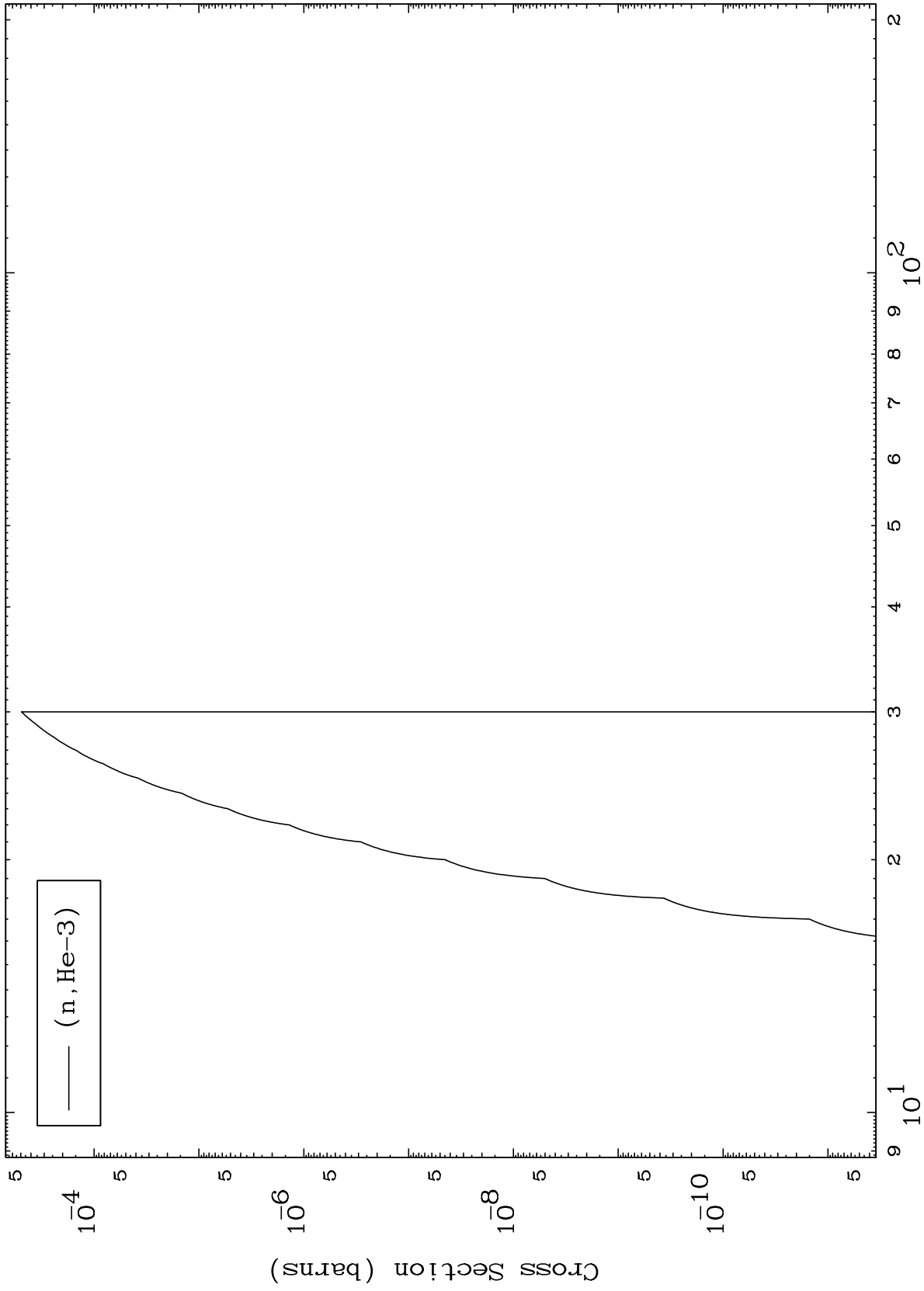
Incident Energy (MeV)

53-I -130

MAT 5334

(n,He3) Levels  
293 Kelvin Cross Sections

53-I -130



13

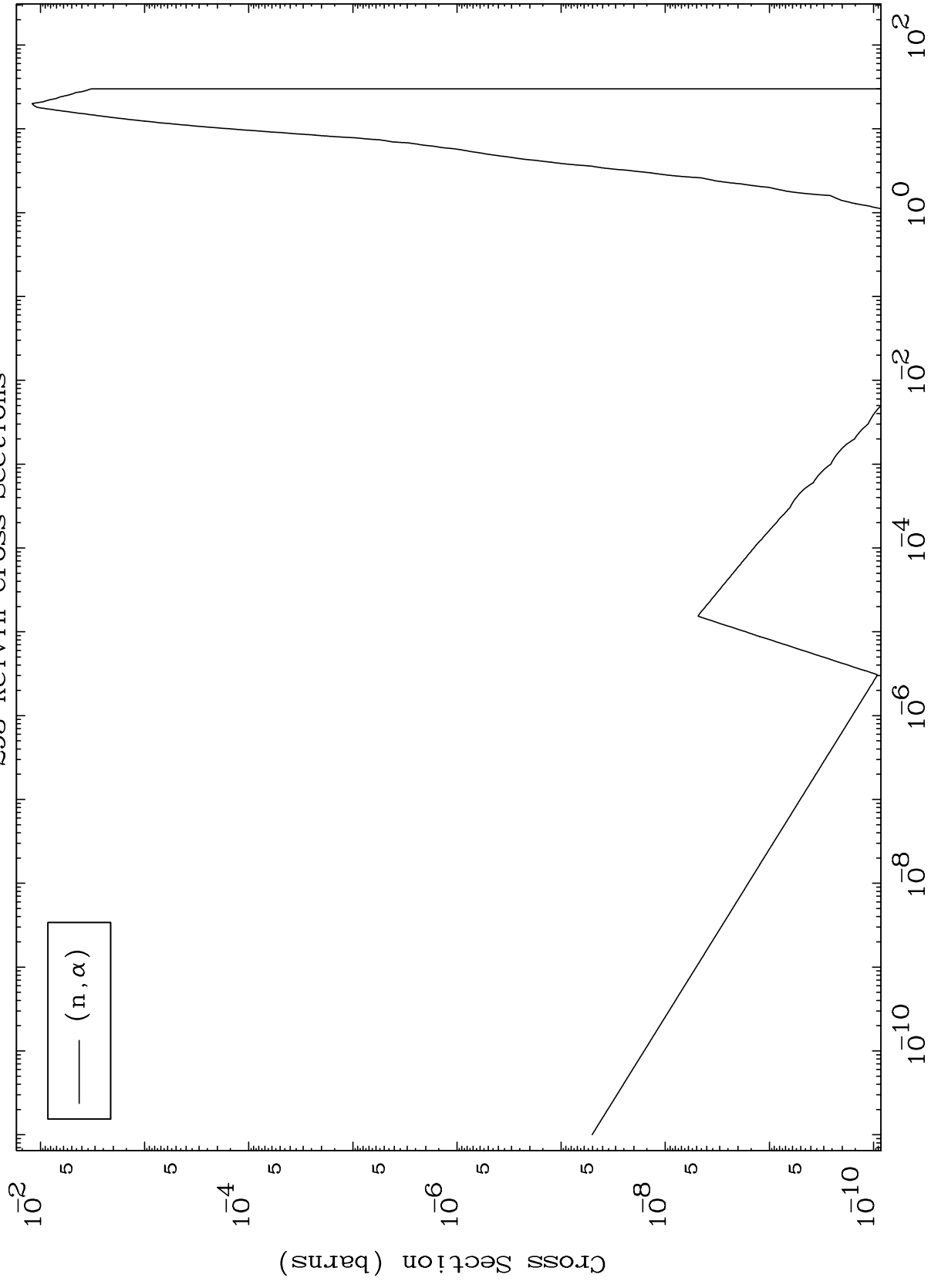
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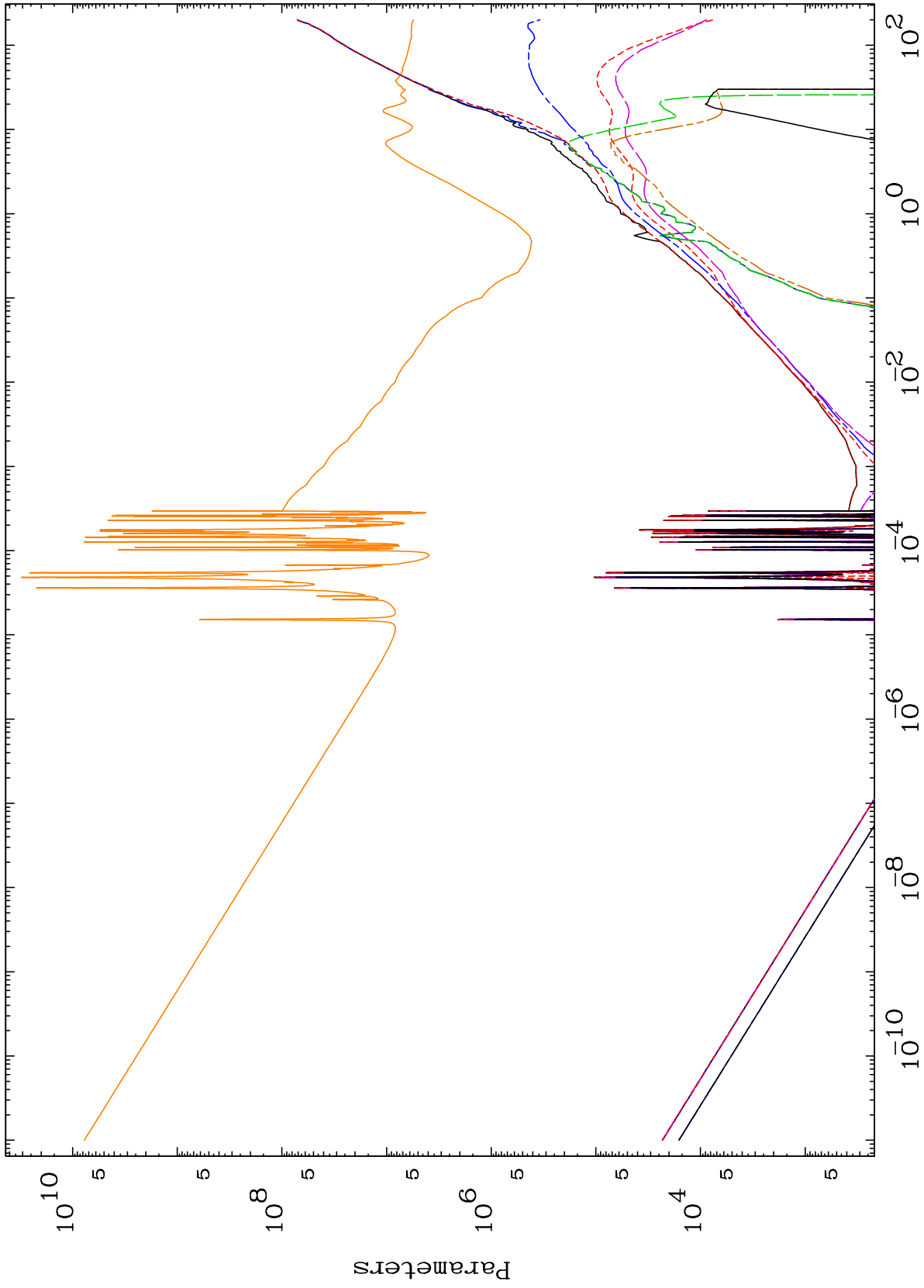
MAT 5334

(n,α) Levels  
293 Kelvin Cross Sections

53-I -130



53-I -130

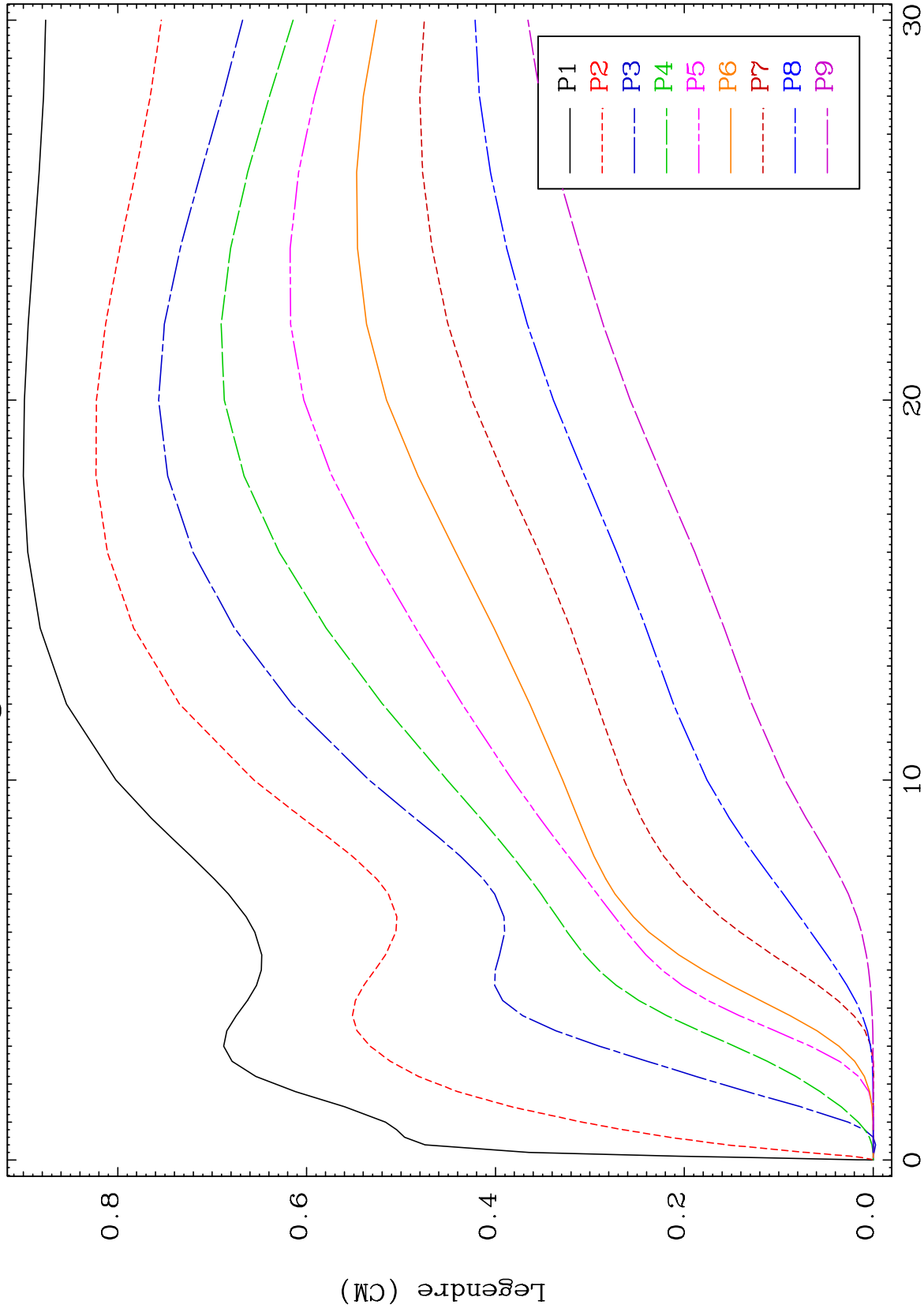




MAT 5334

Elastic Legendre Coefficients

53-I -130



16

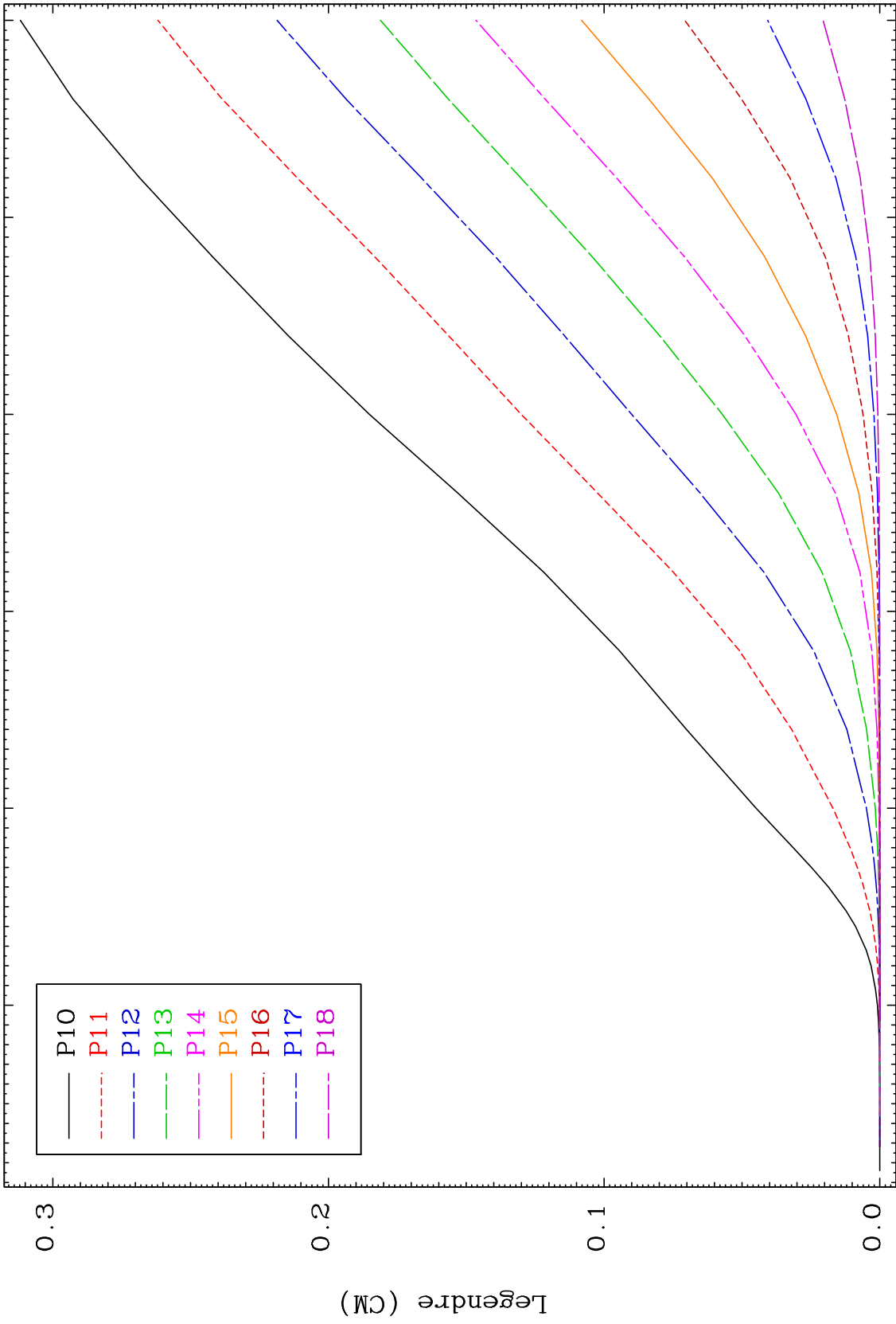
Incident Energy (MeV)

53-I -130

MAT 5334

Elastic Legendre Coefficients

53-I -130



17

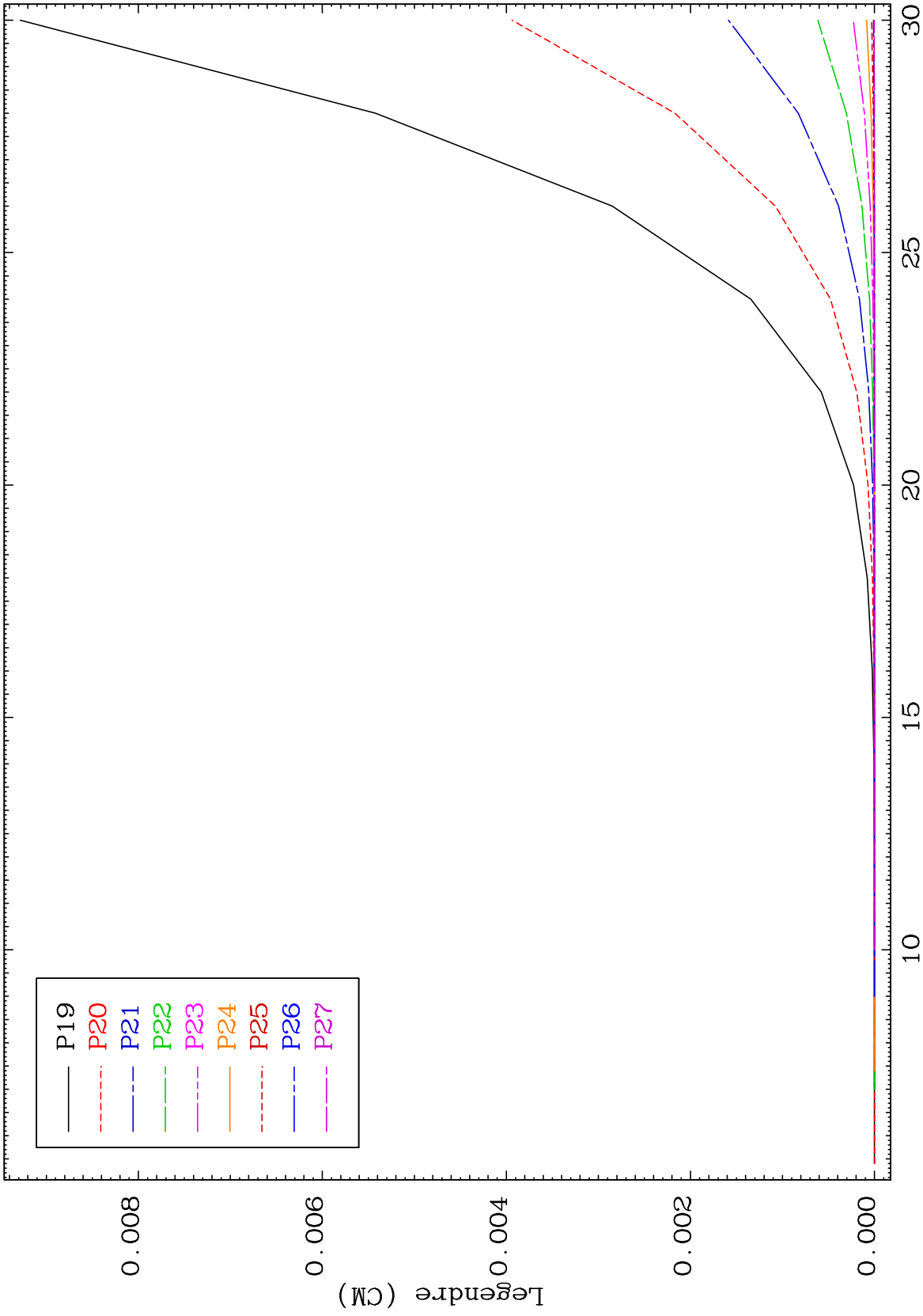
Incident Energy (MeV)

53-I -130

MAT 5334

### Elastic Legendre Coefficients

53-I -130



18

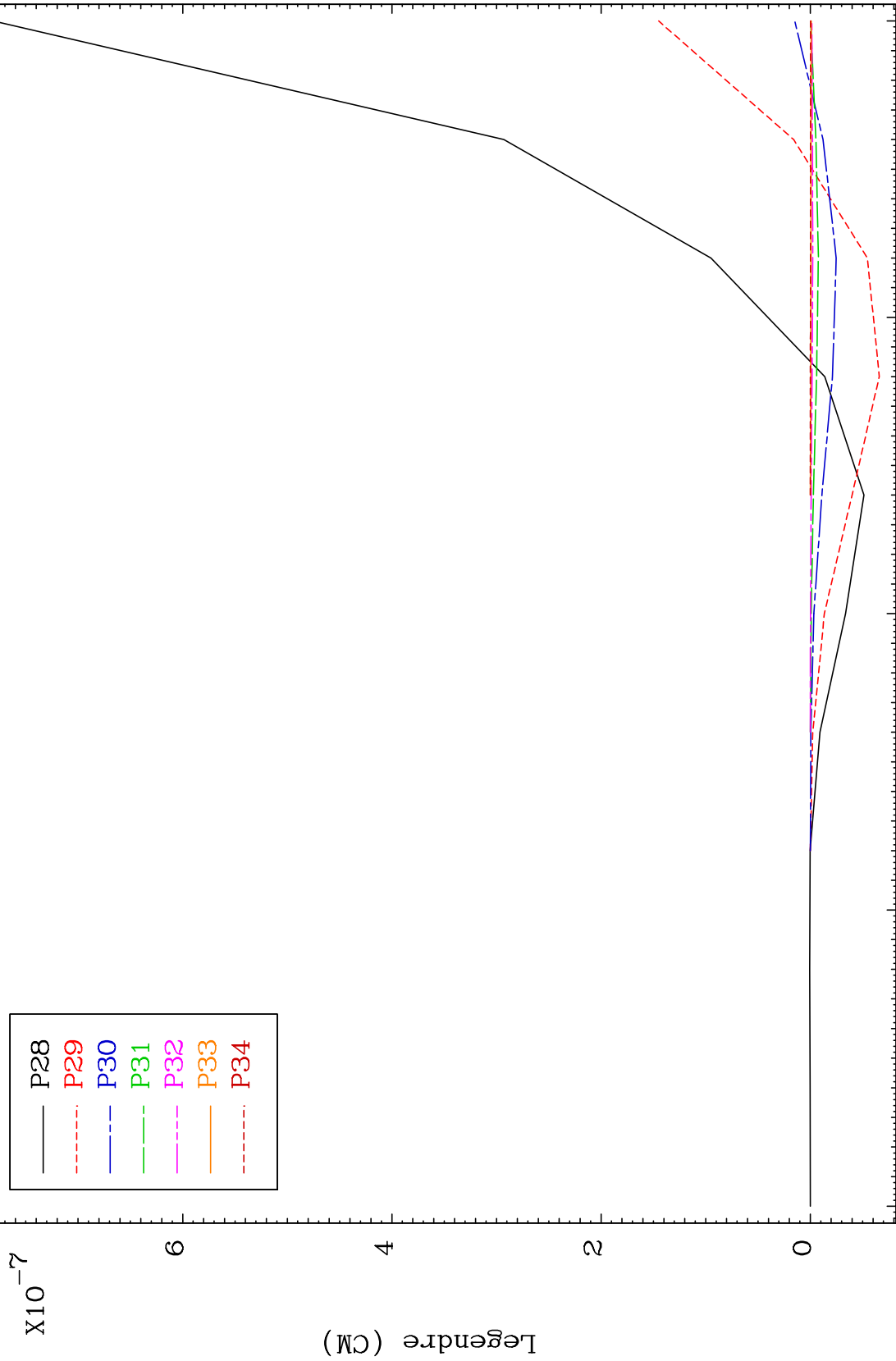
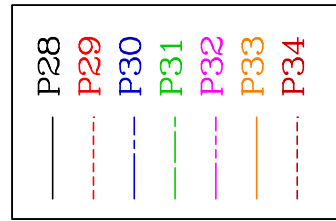
Incident Energy (MeV)

53-I -130

MAT 5334

Elastic Legendre Coefficients

53-I -130



19

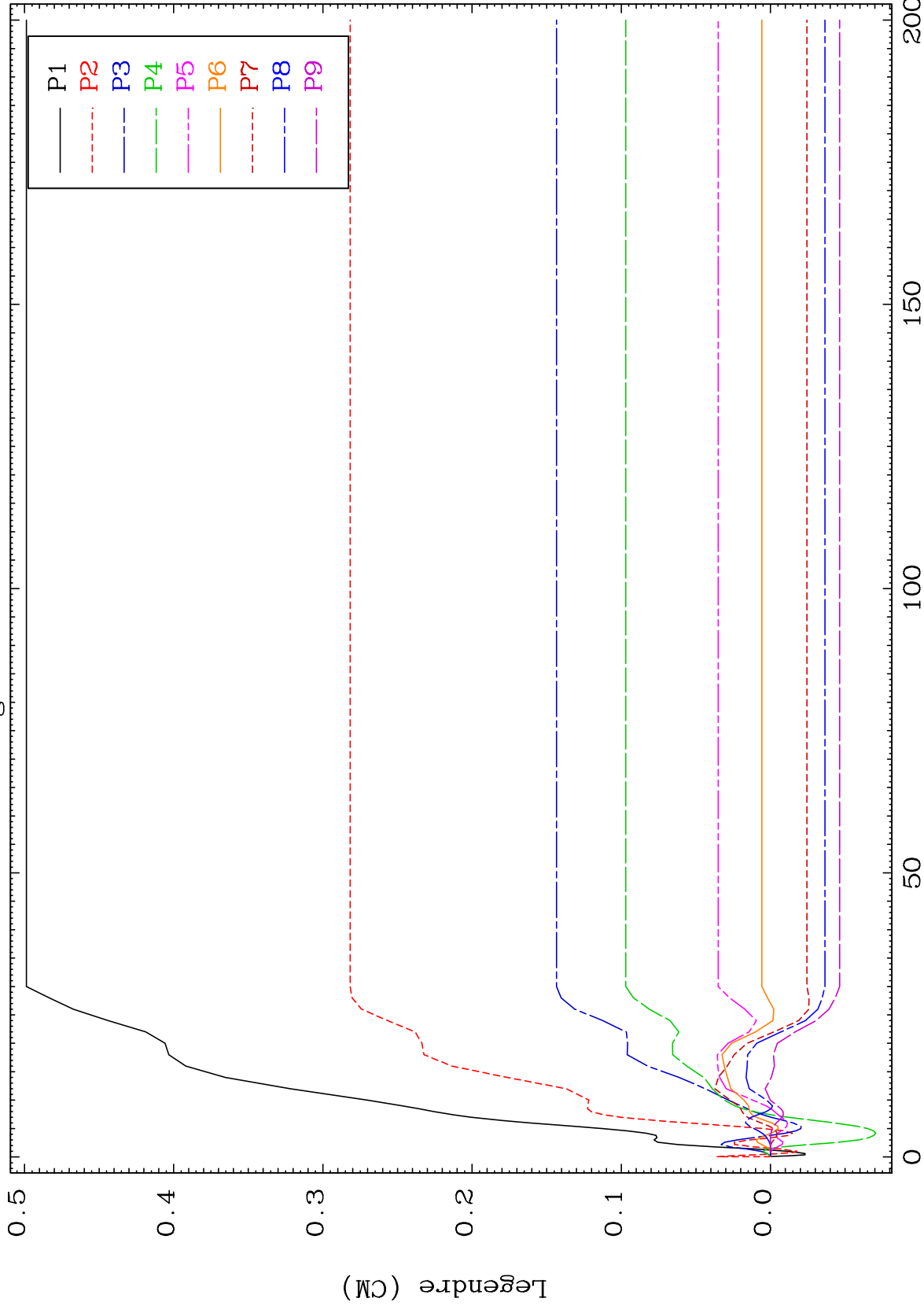
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



20

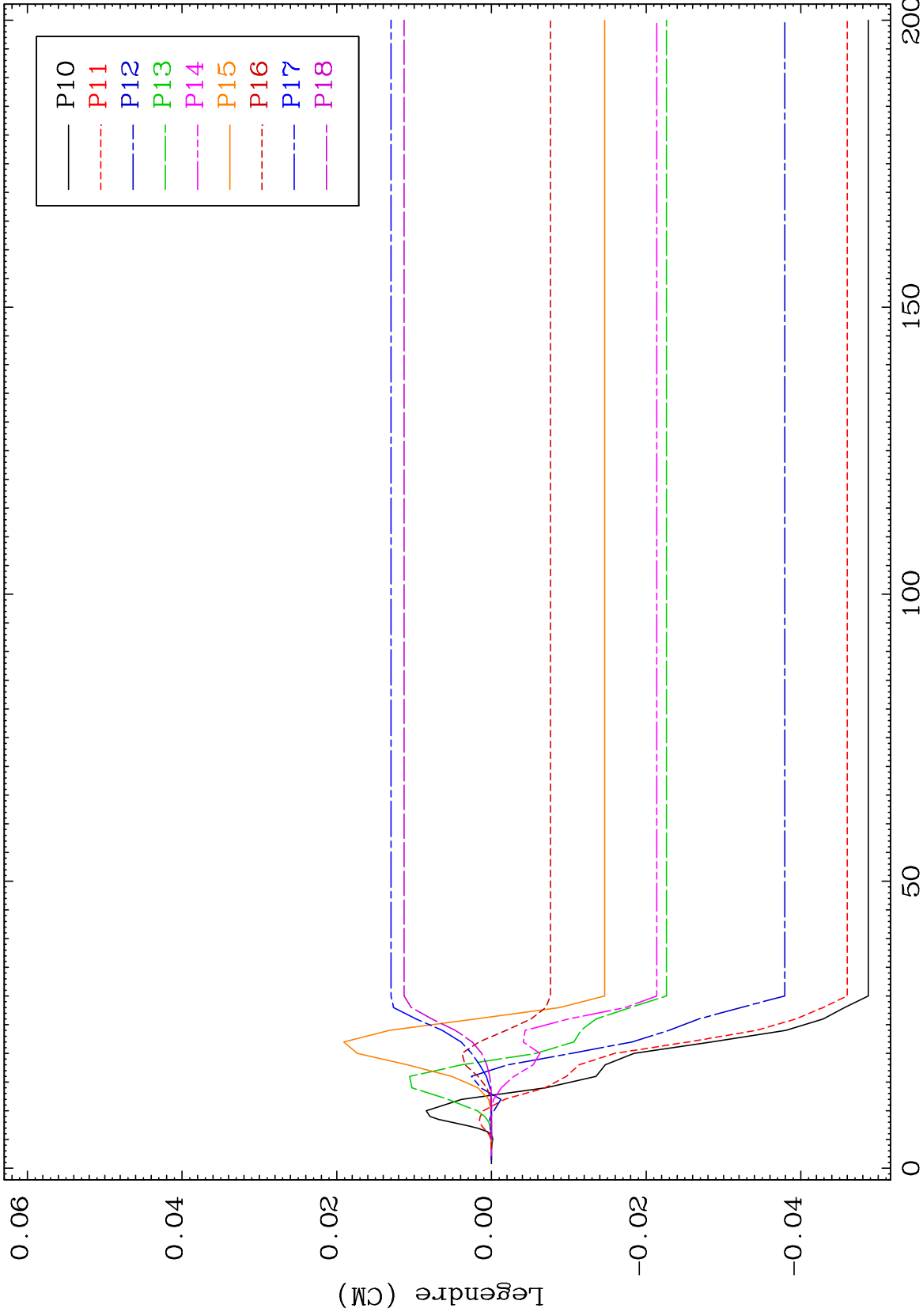
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



21

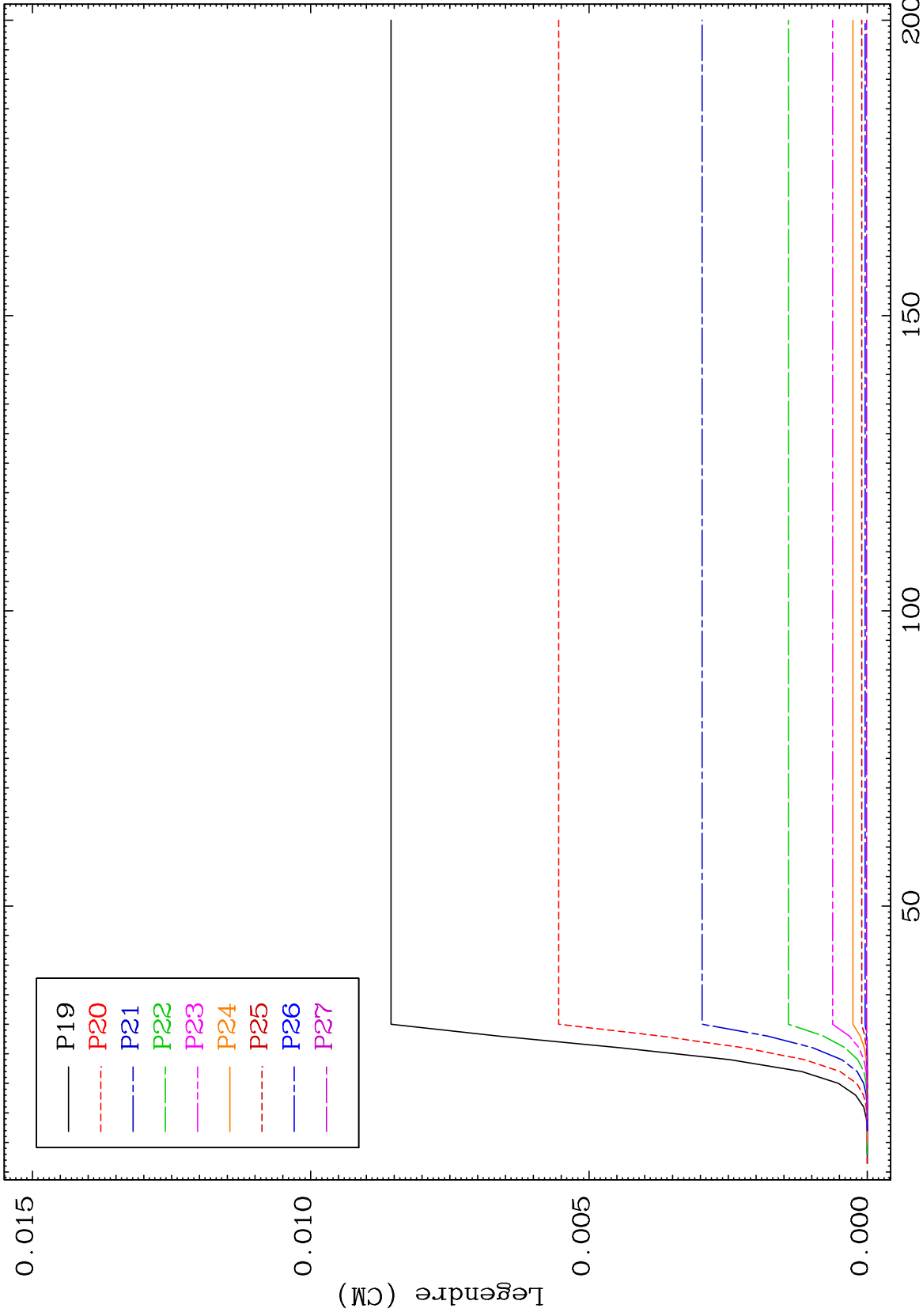
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



22

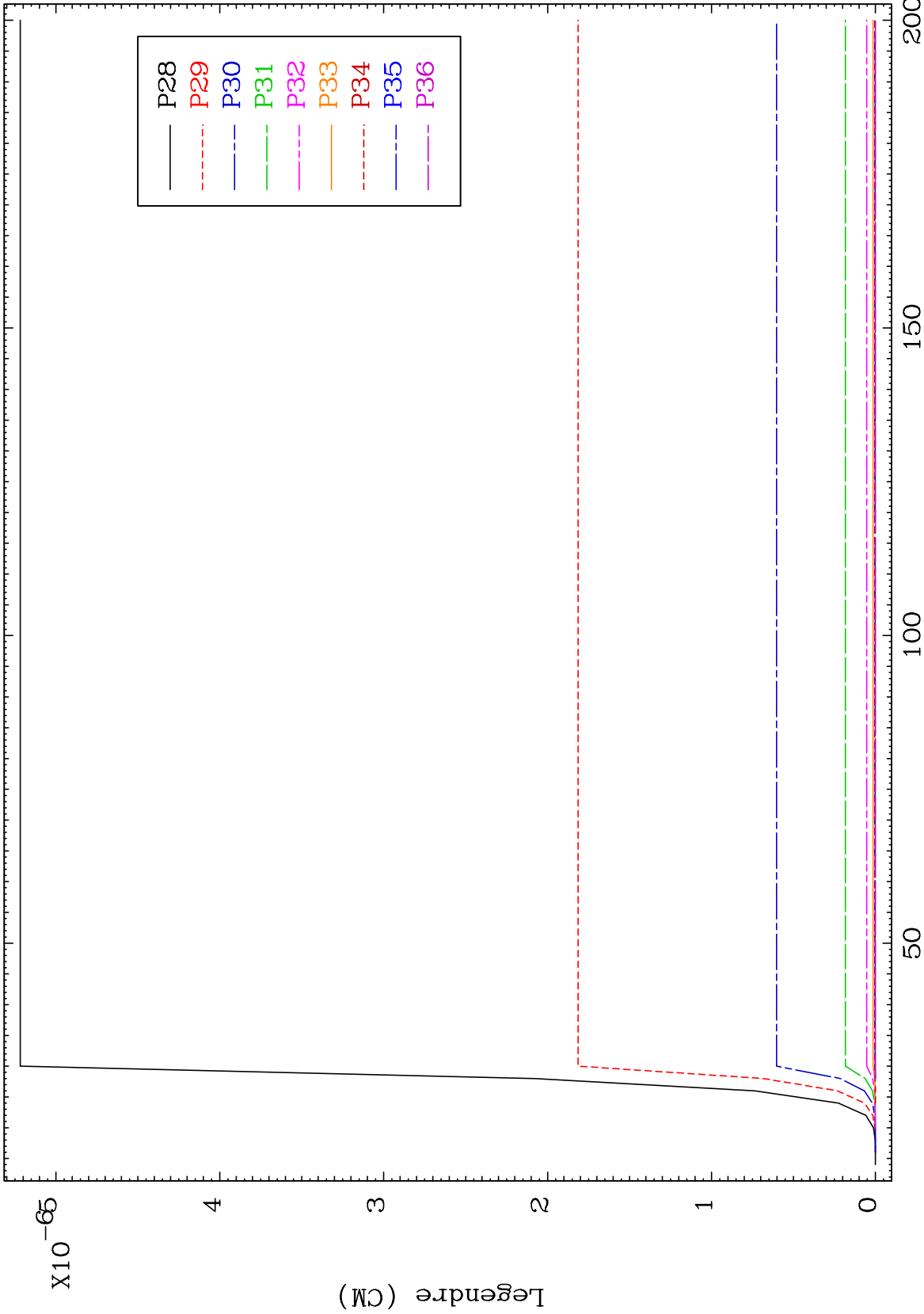
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



23

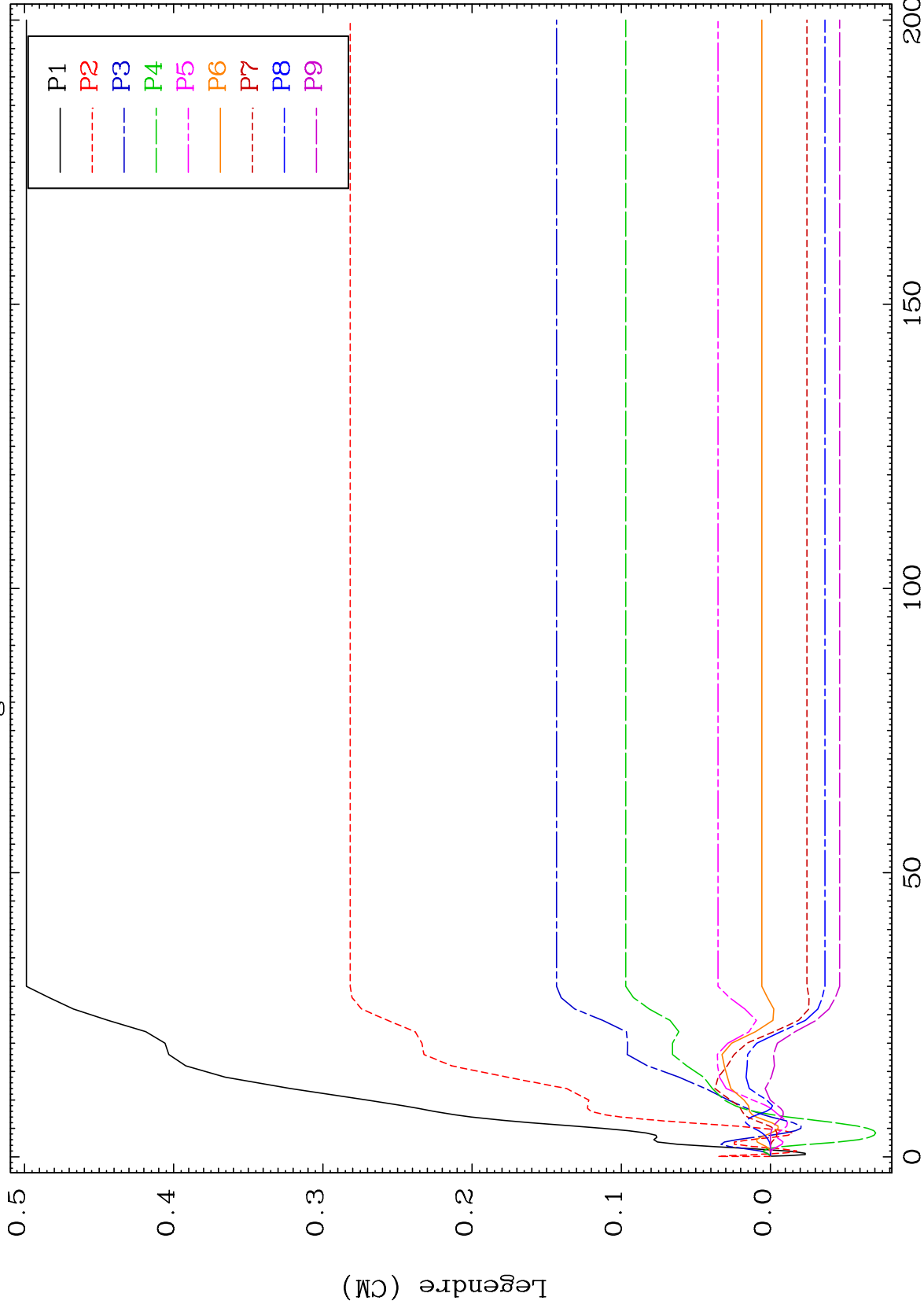
53-I -130



MAT 5334

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

53-I -130



24

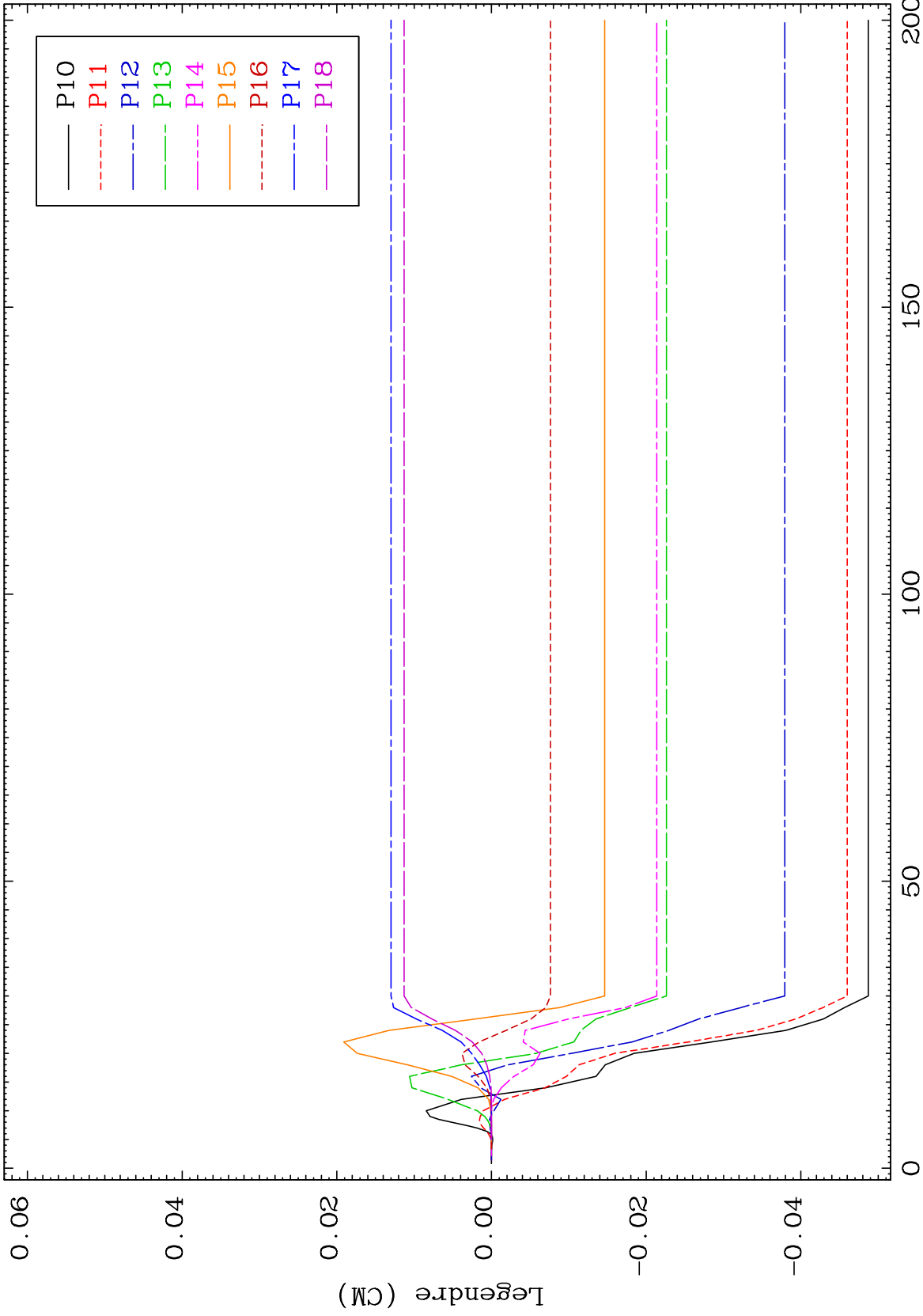
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



25

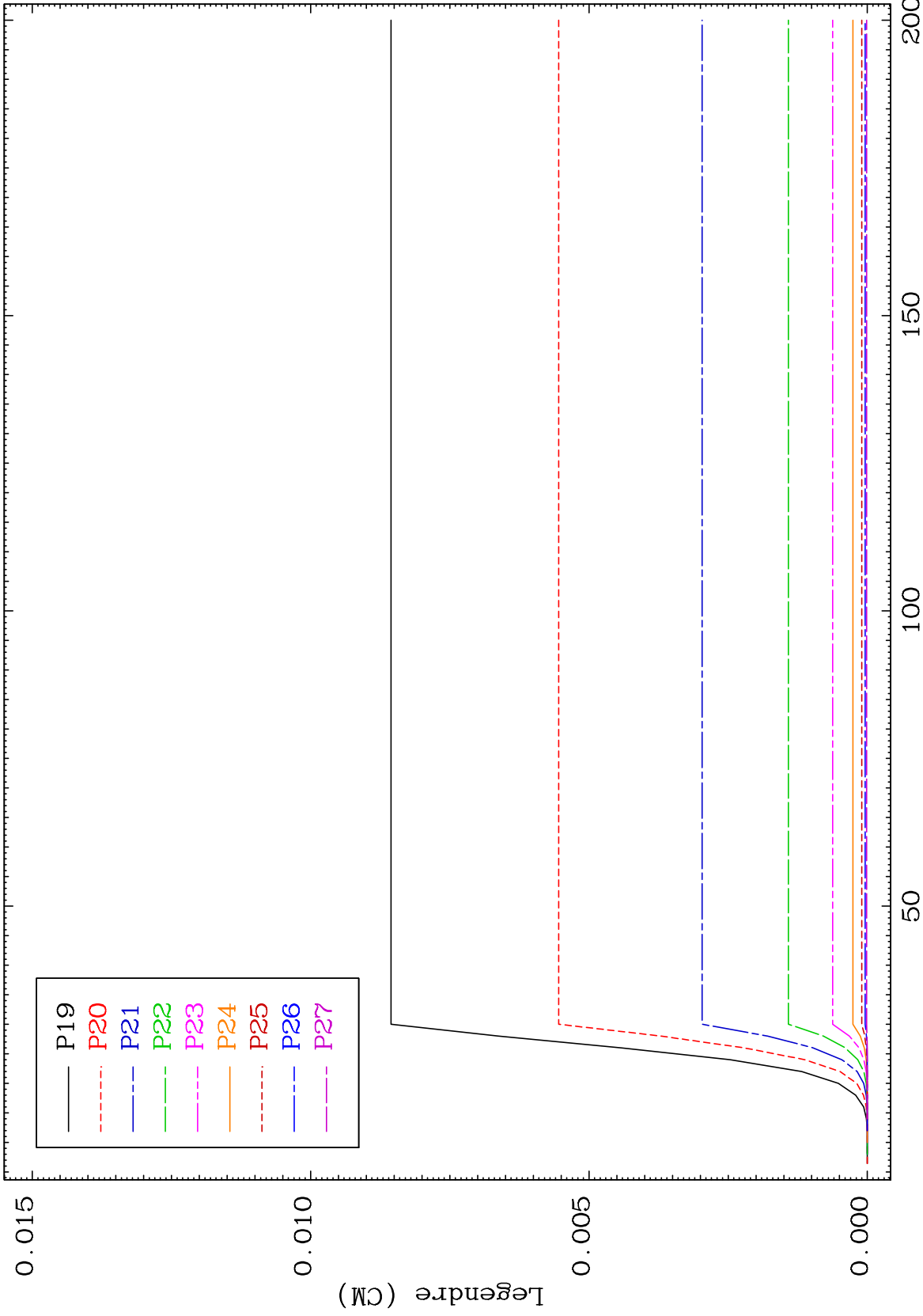
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



26

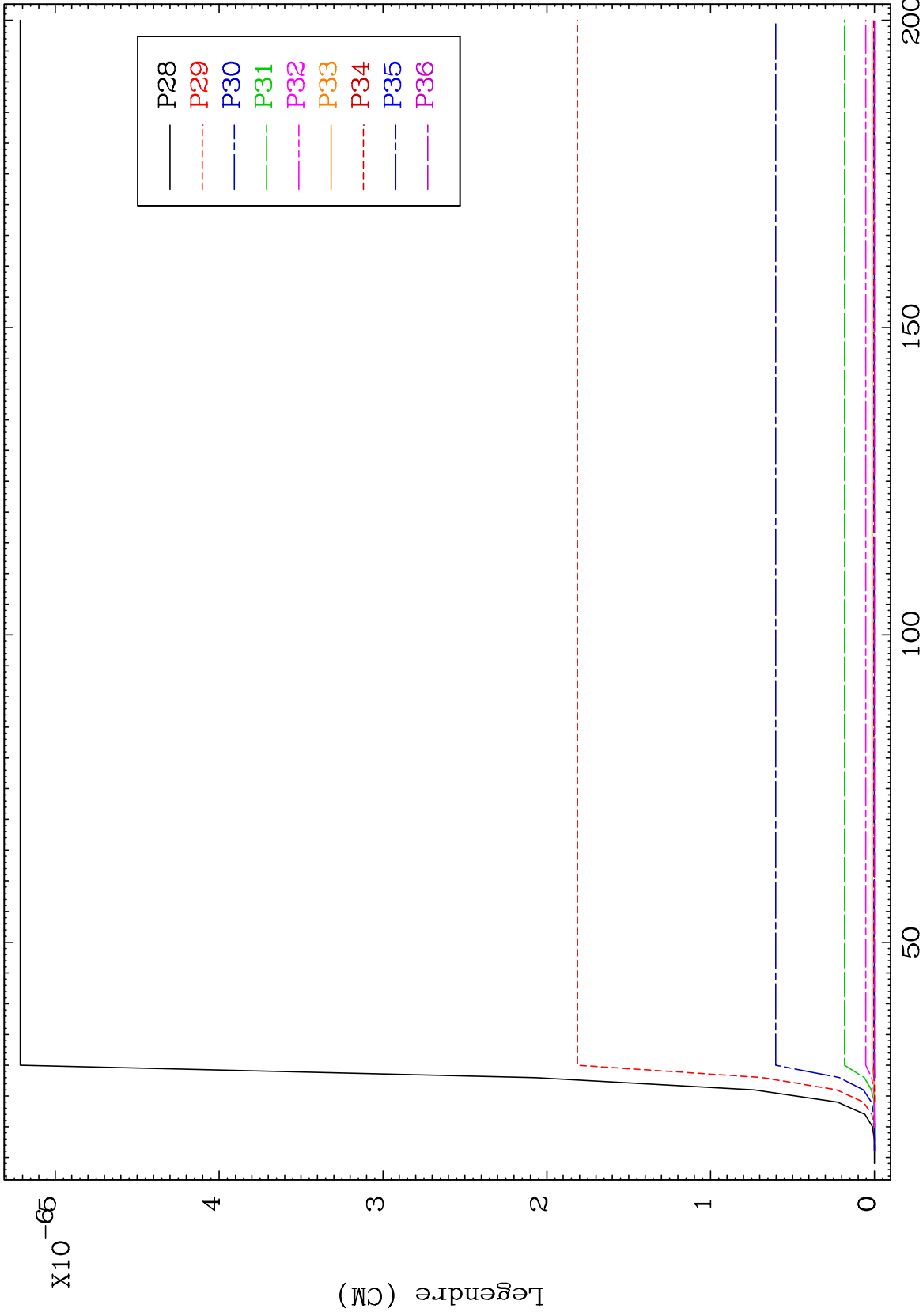
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



27

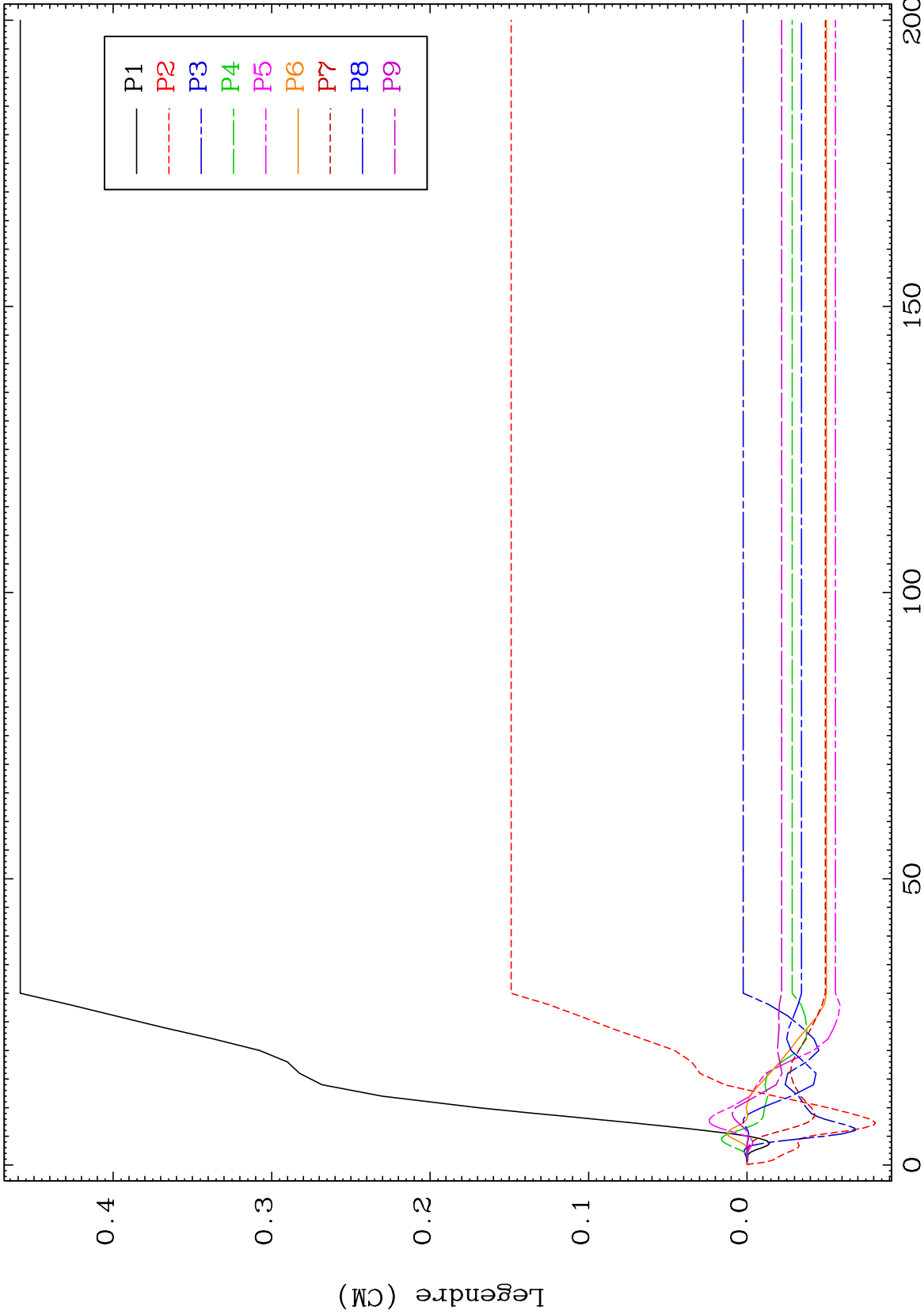
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



28

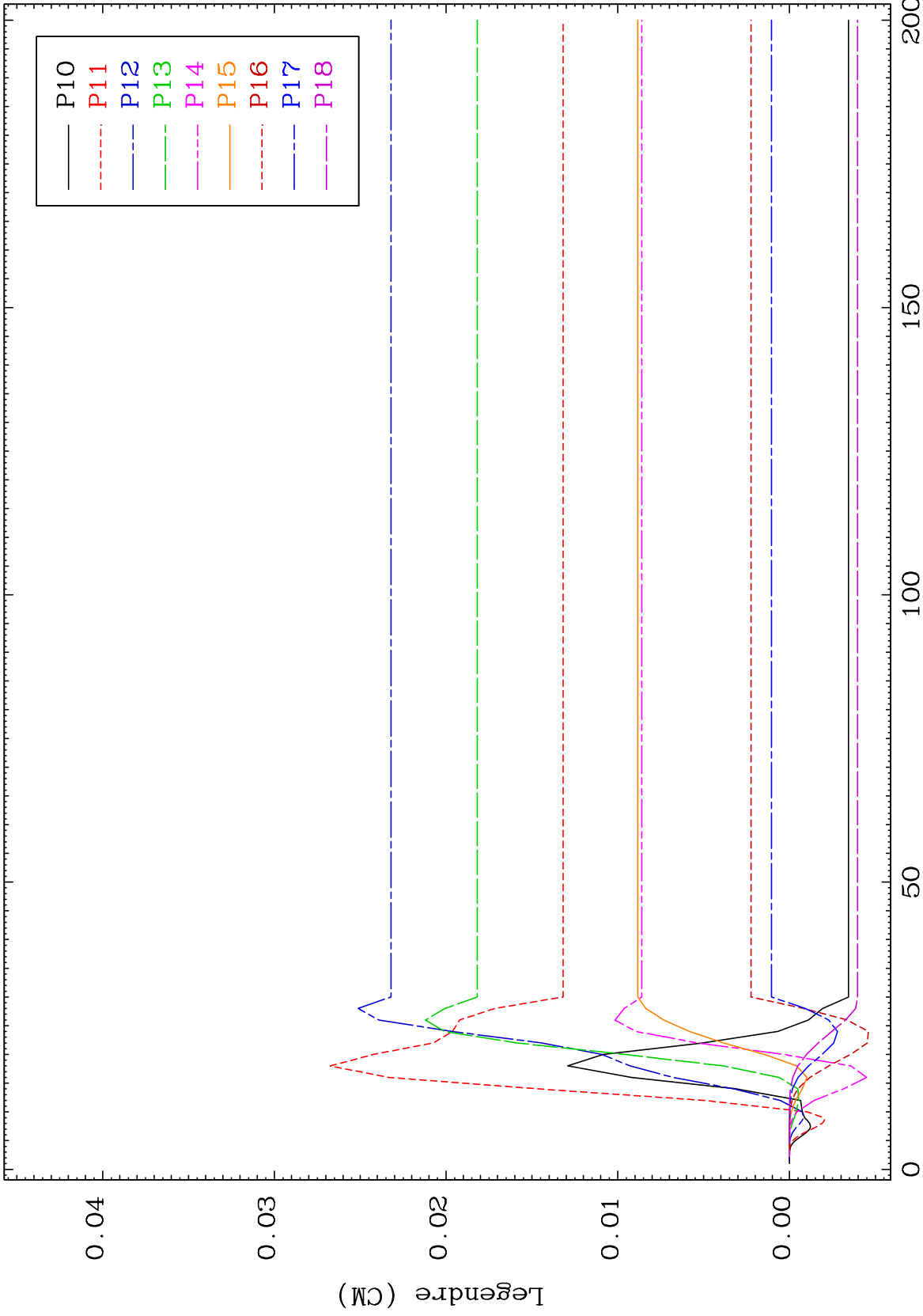
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



29

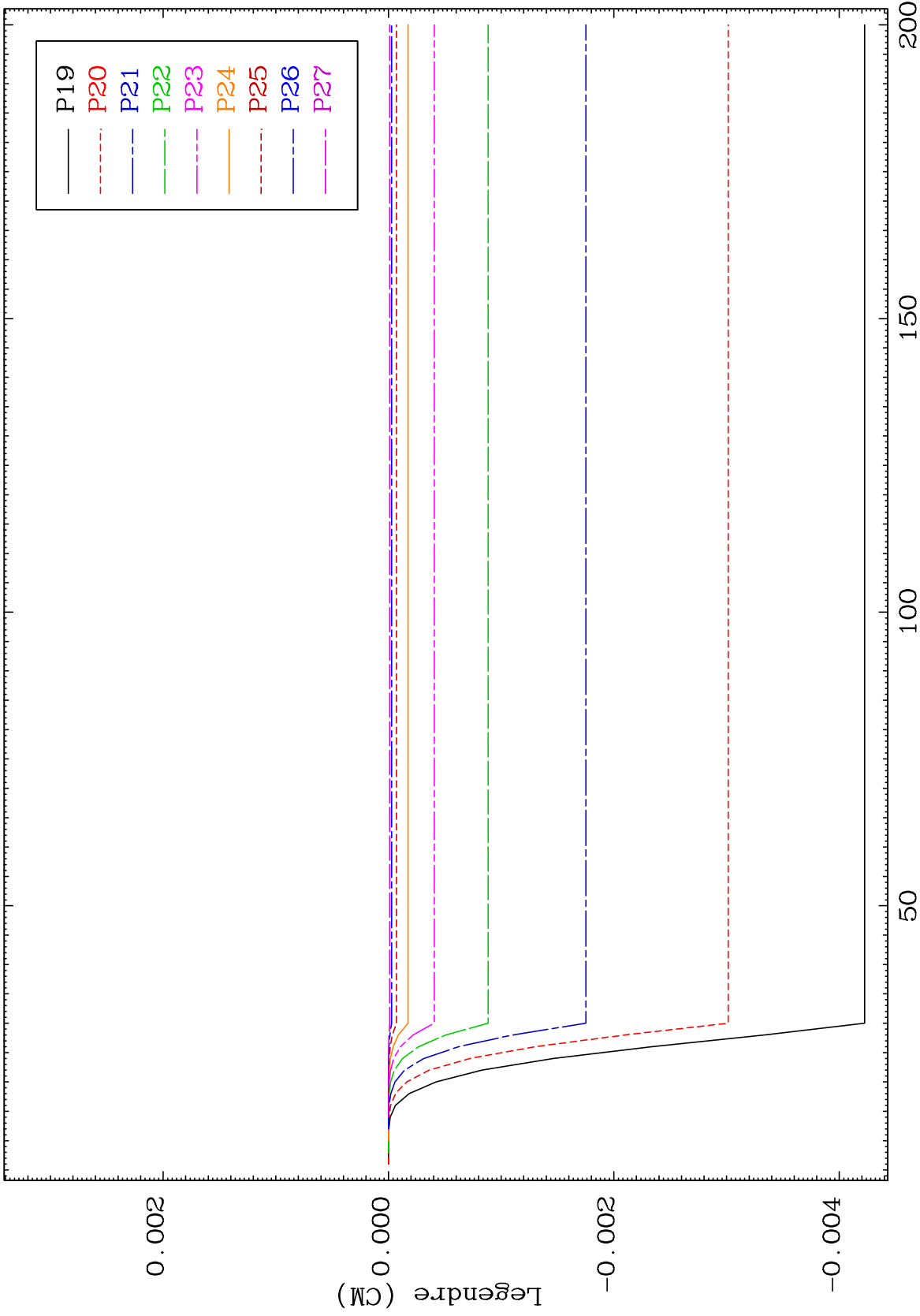
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130

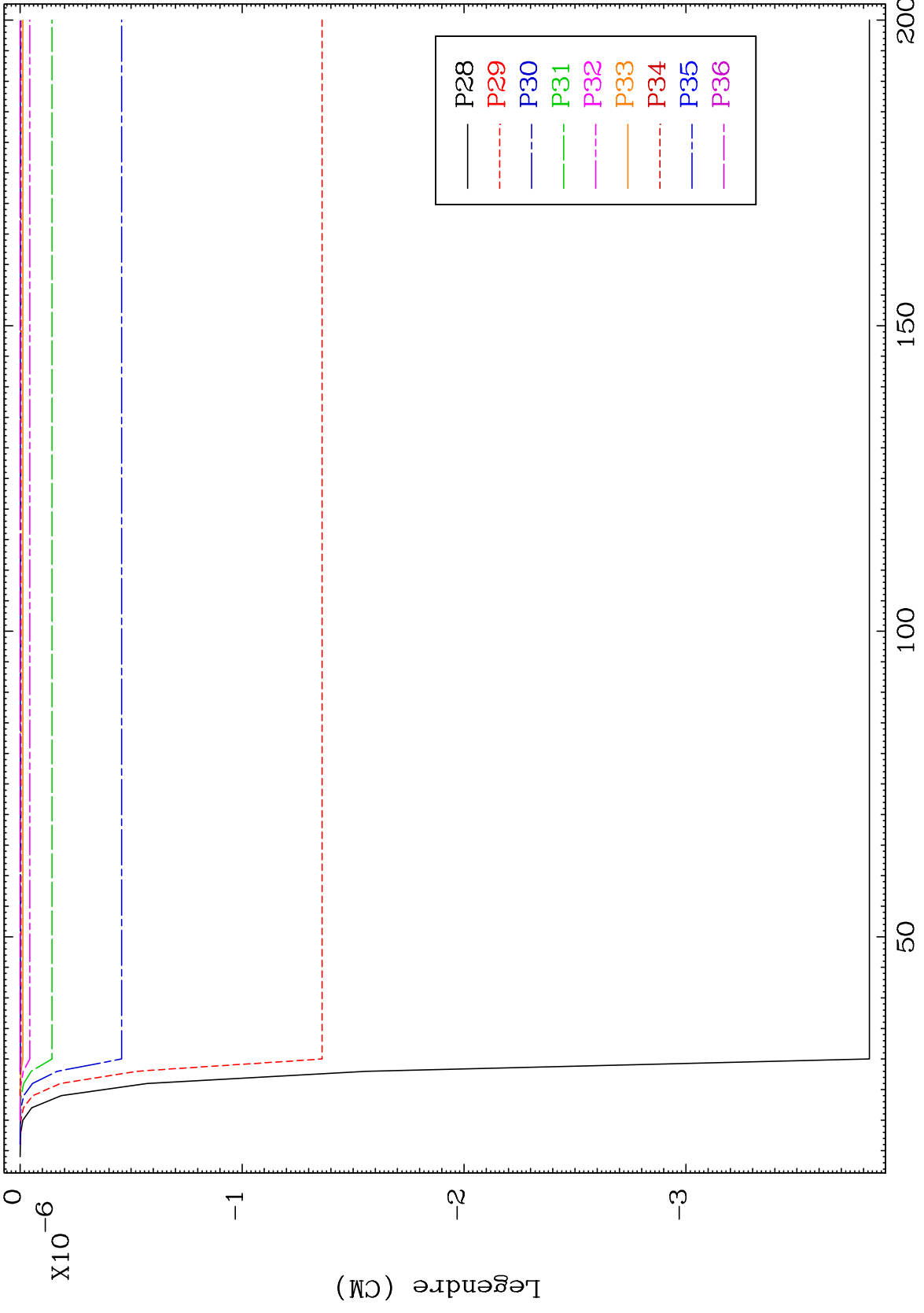


30

Incident Energy (MeV)

53-I -130

MAT 5334 MT= 53 (n,n') Level Legendre Coefficients 53-I -130

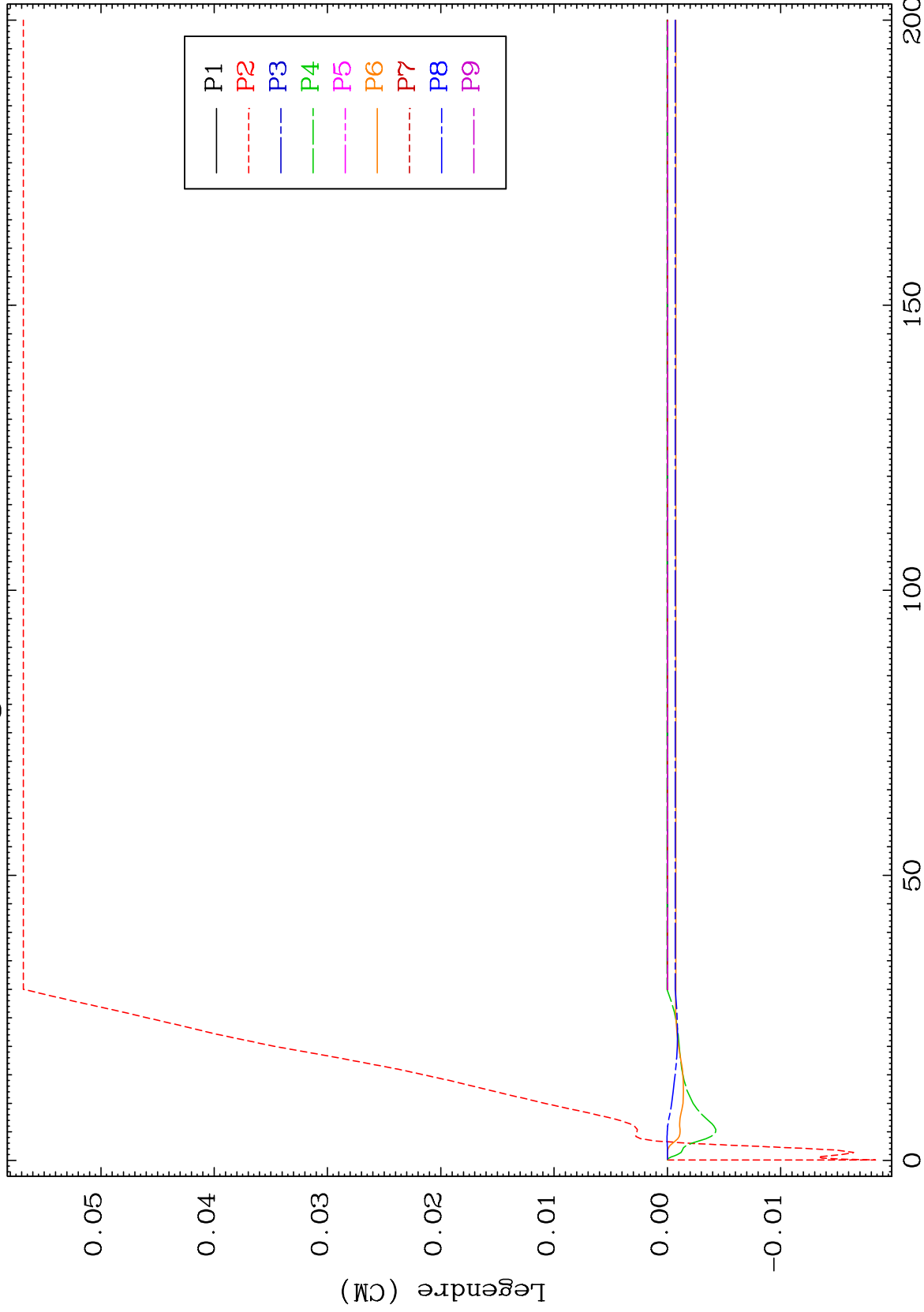




MAT 5334

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

53-I -130



32

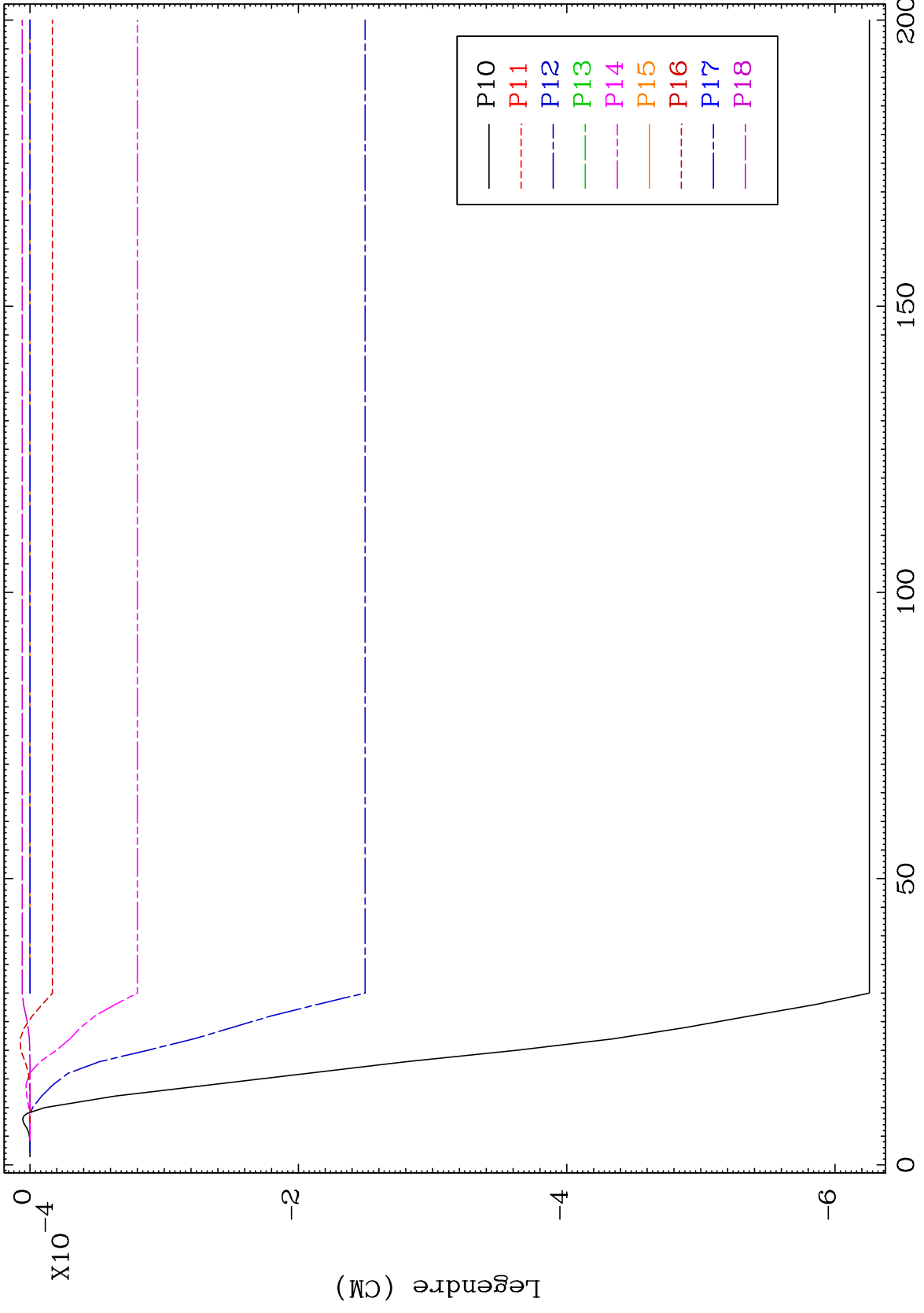
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



33

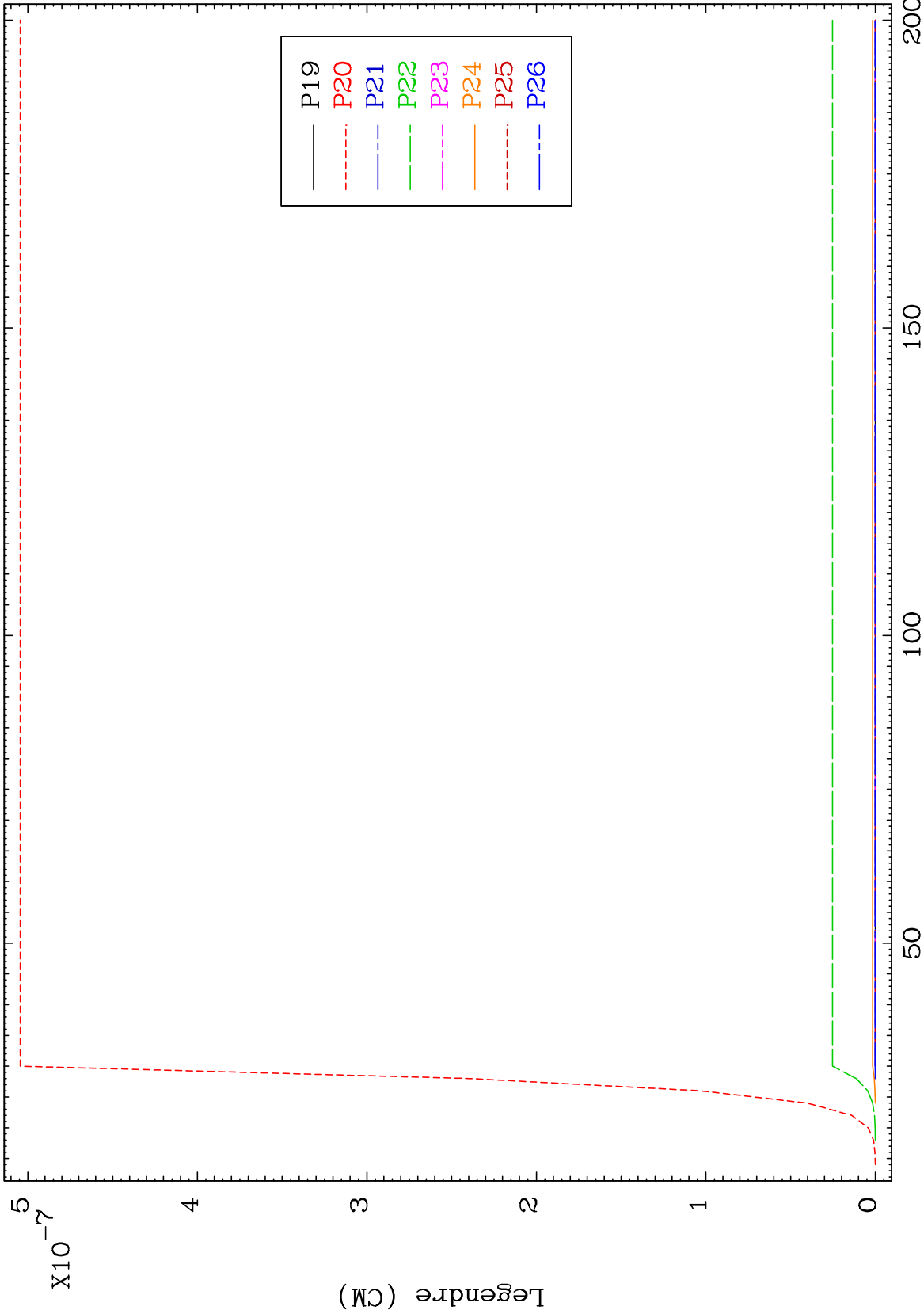
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



34

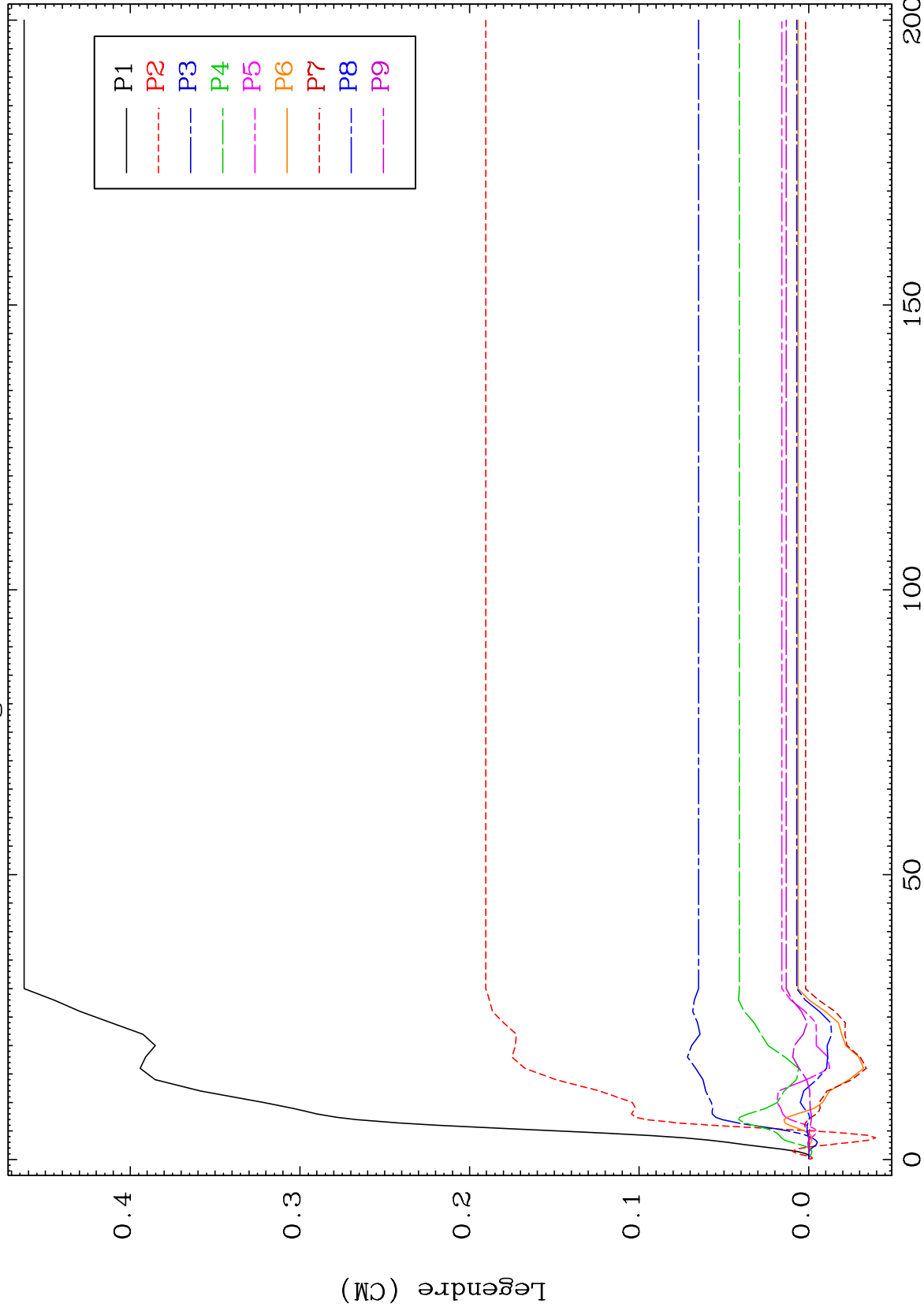
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



35

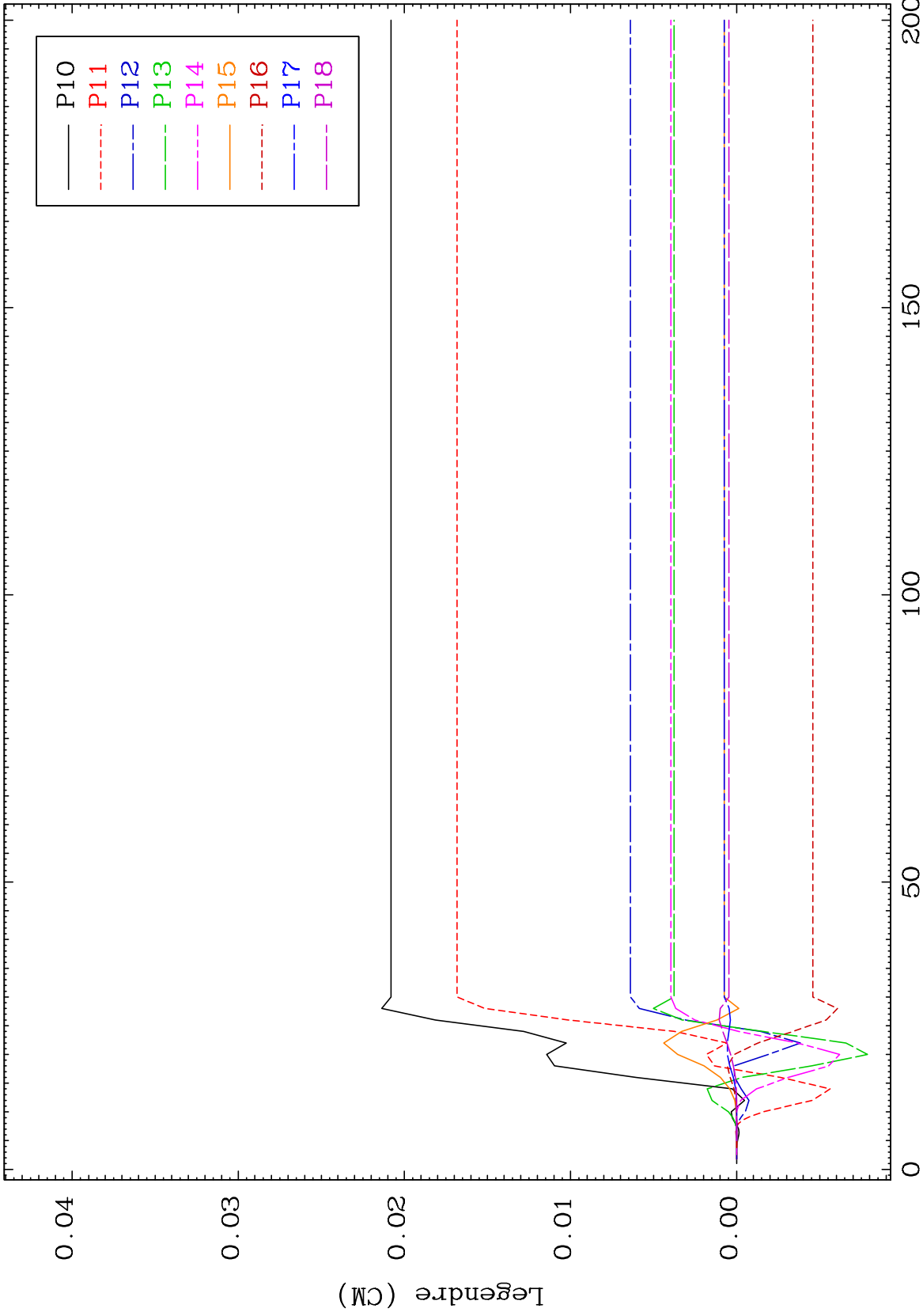
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



36

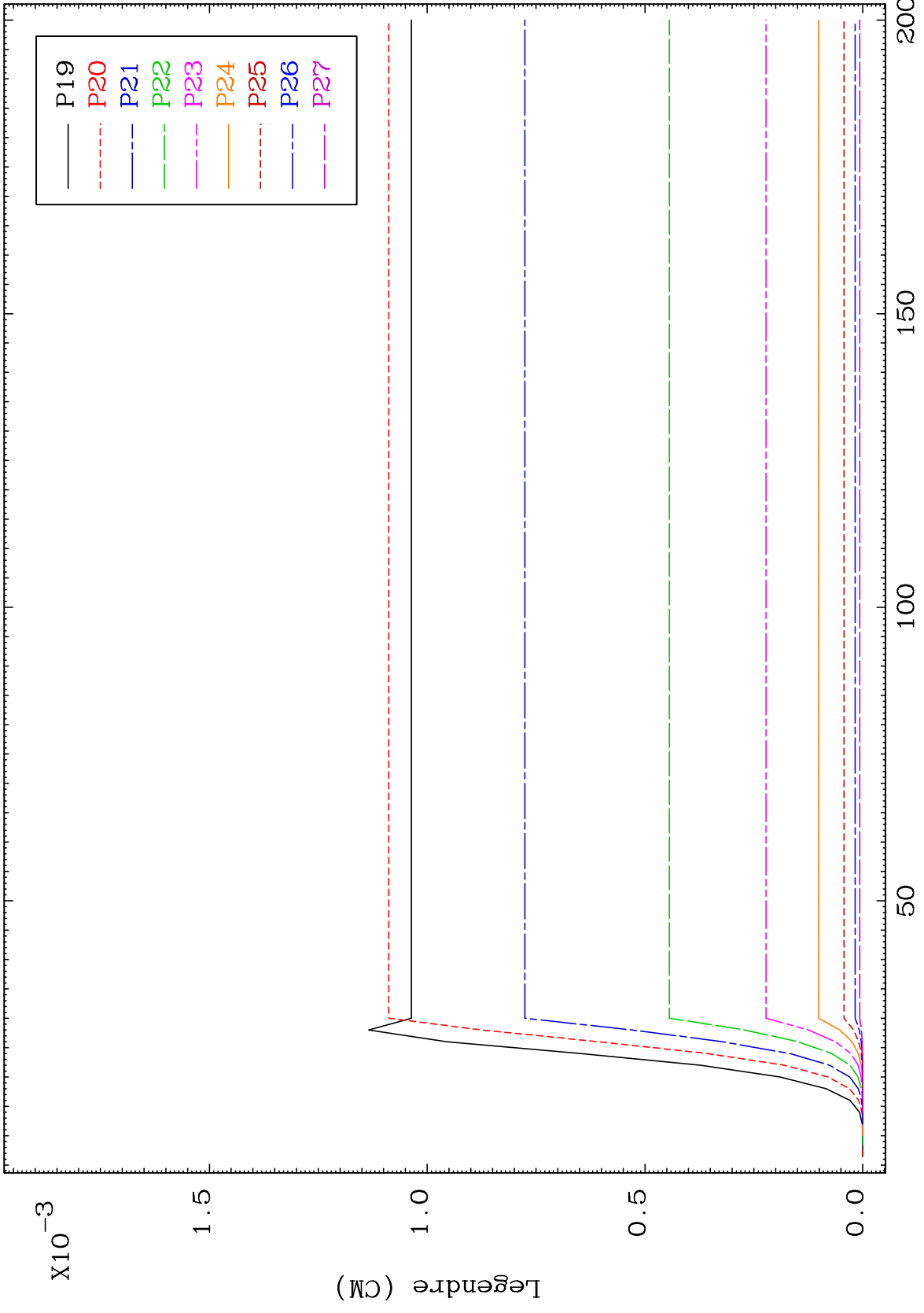
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



37

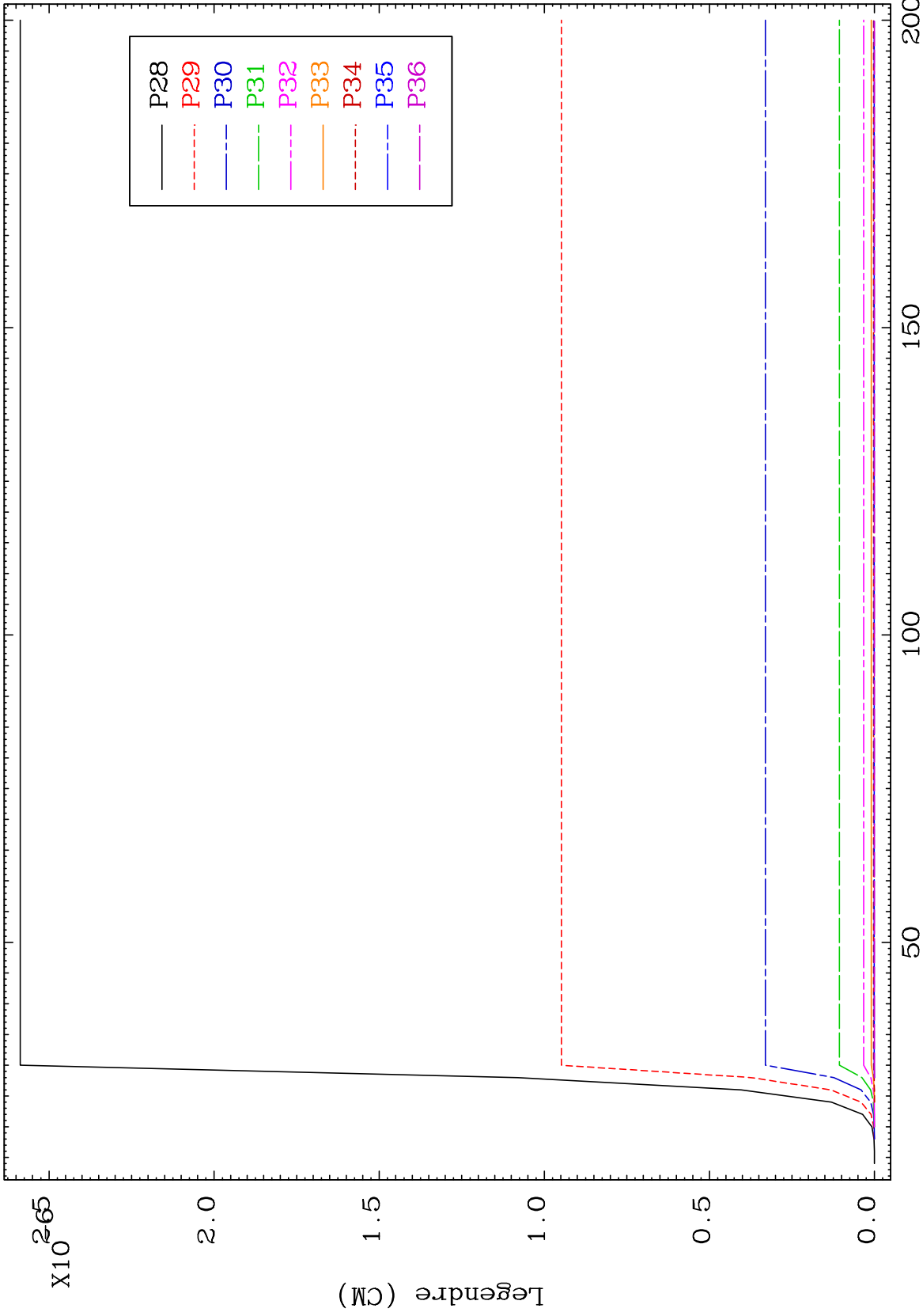
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130

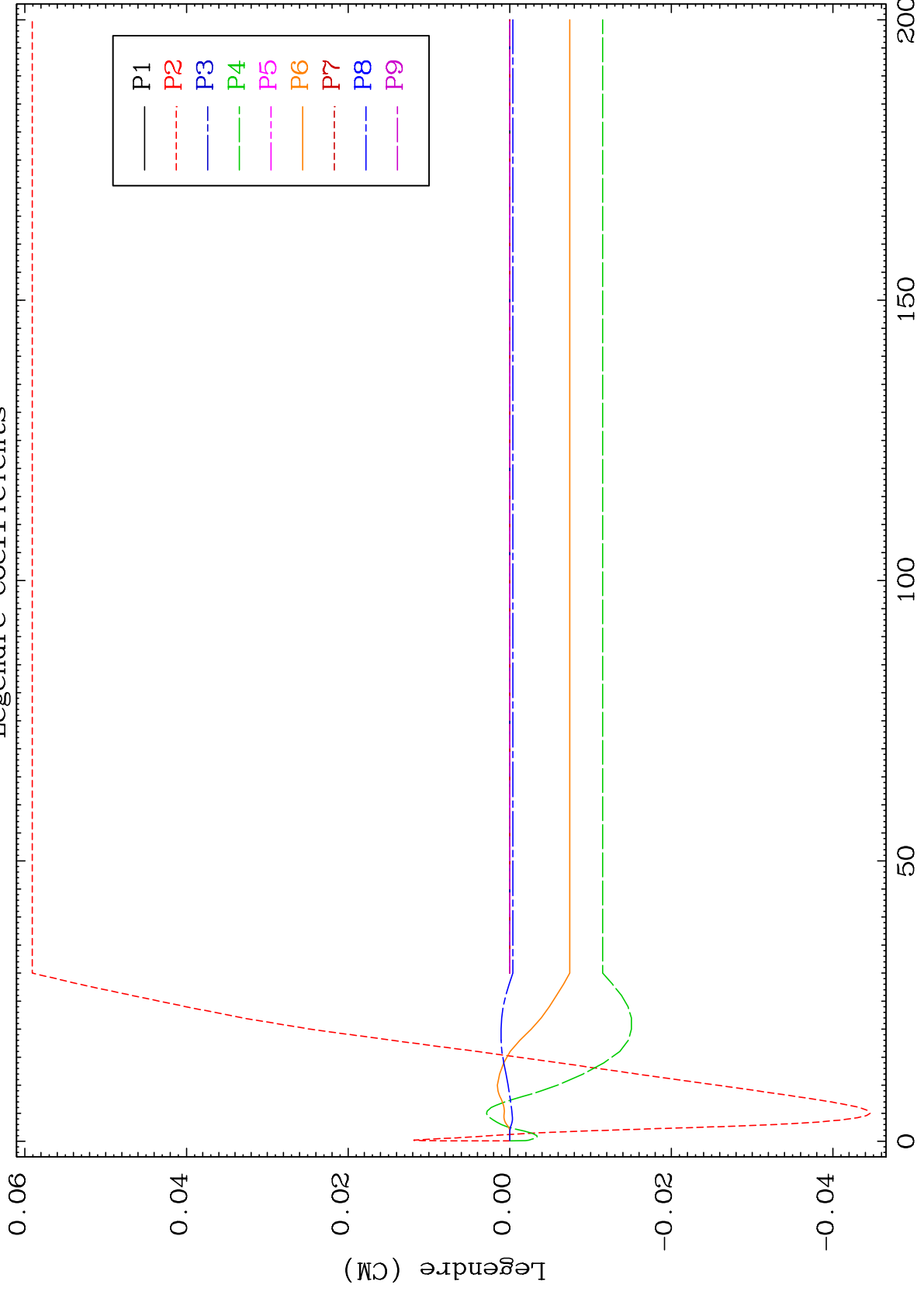


38

Incident Energy (MeV)

53-I -130

MAT 5334 MT= 56 (n,n') Level Legendre Coefficients 53-I -130



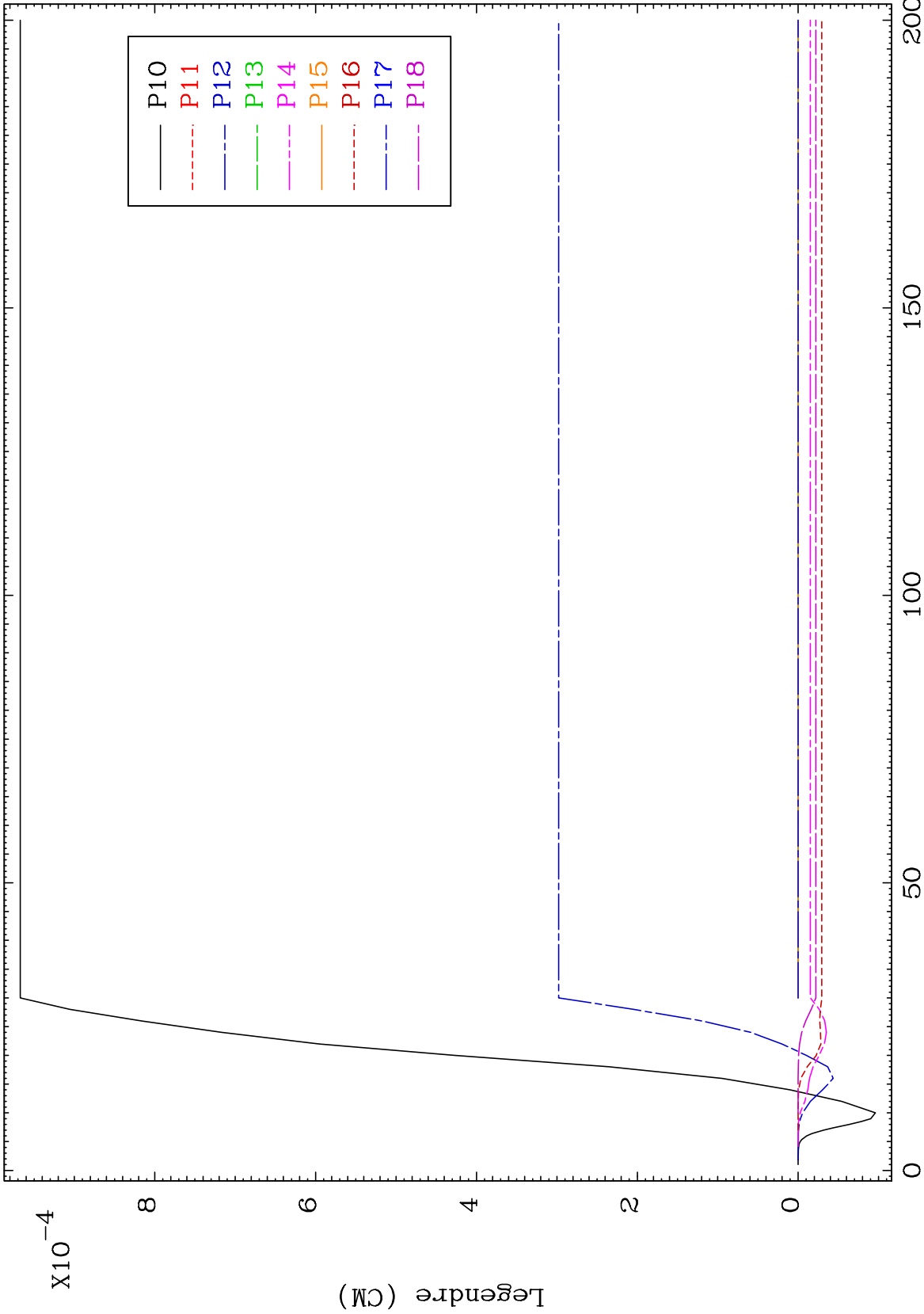
39 53-I -130



MAT 5334

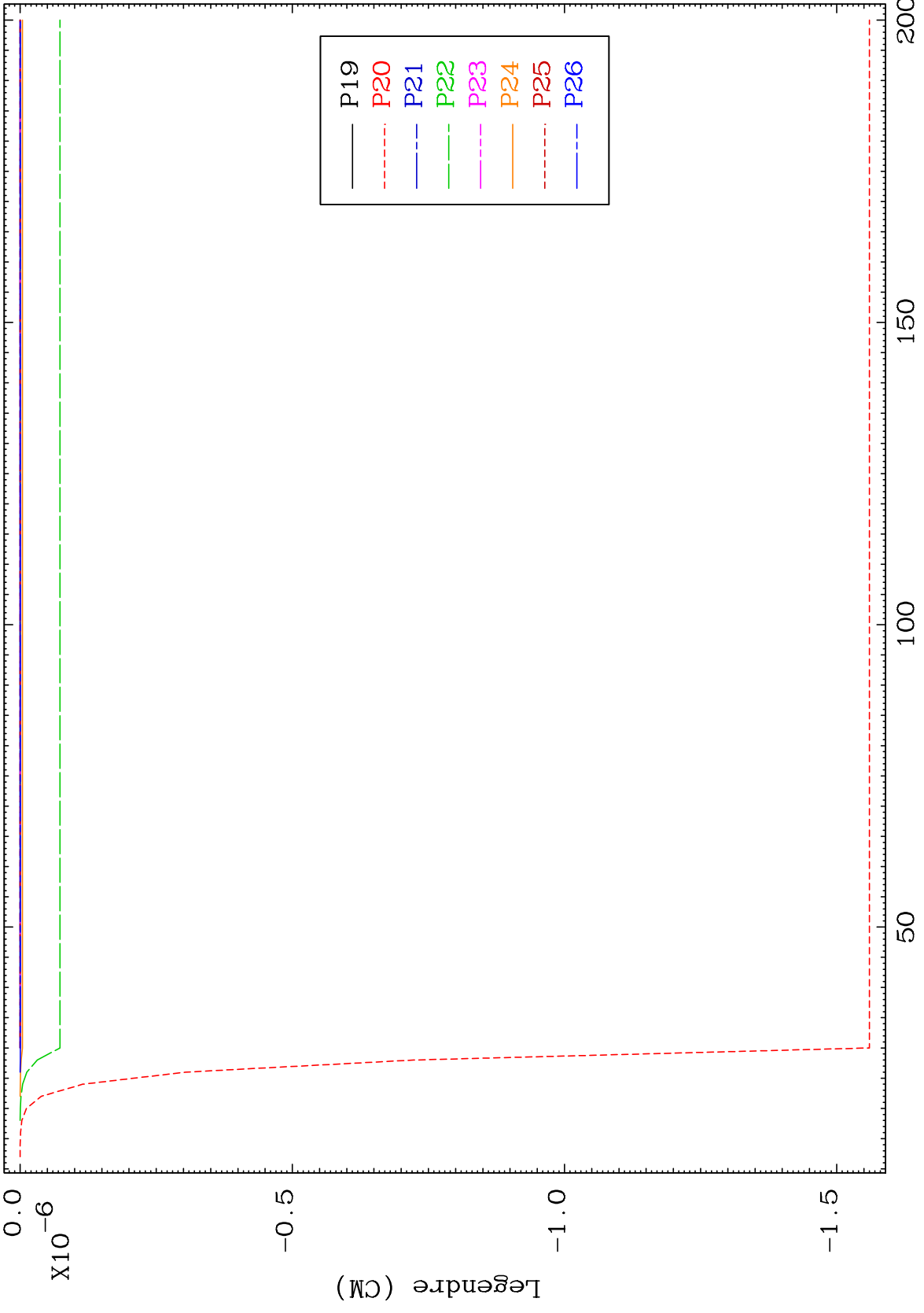
MT= 56 (n,n') Level  
Legendre Coefficients

53-I -130



53-I -130

MAT 5334 MT= 56 (n,n') Level Legendre Coefficients 53-I -130

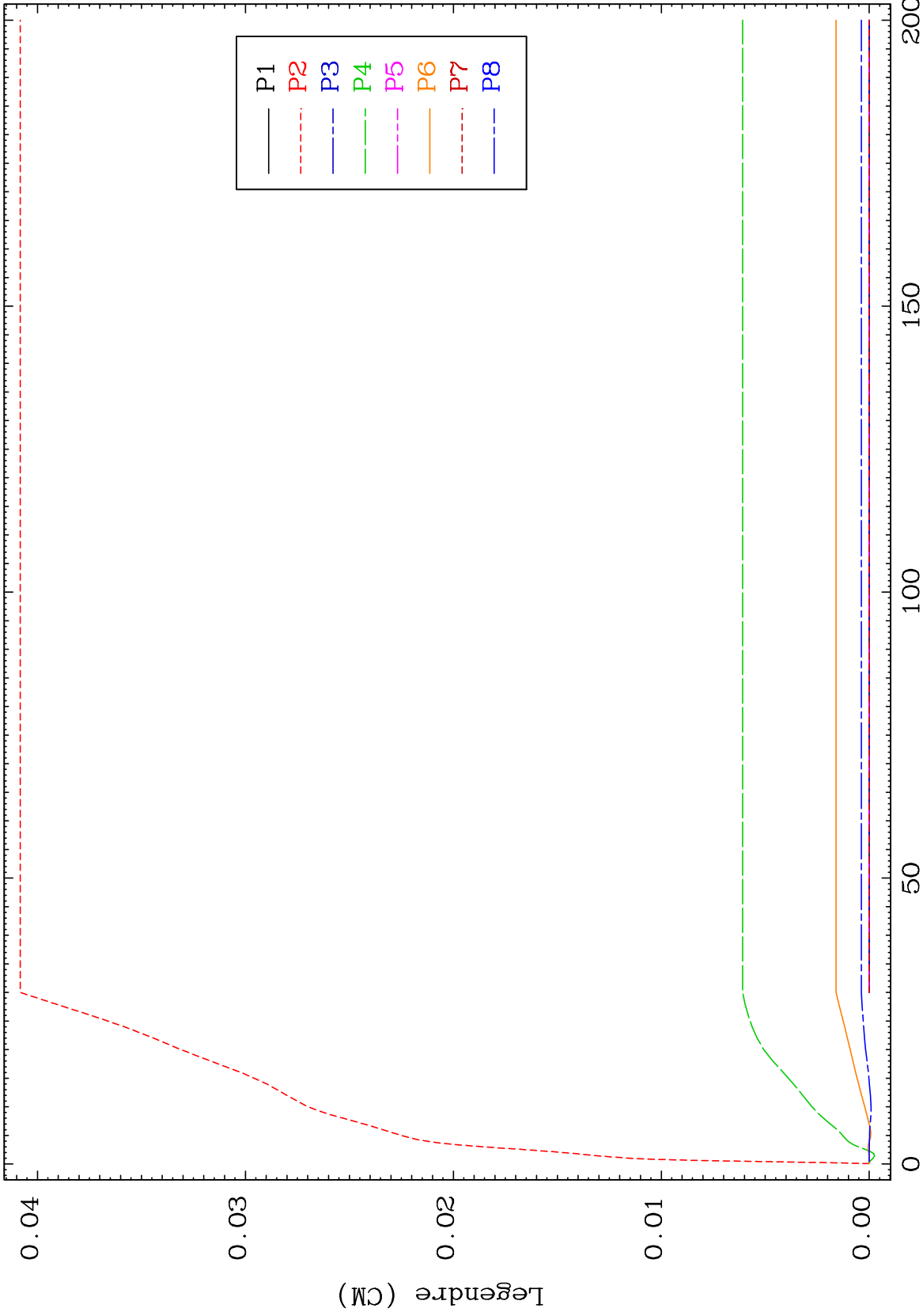


41 53-I -130

MAT 5334

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

53-I -130



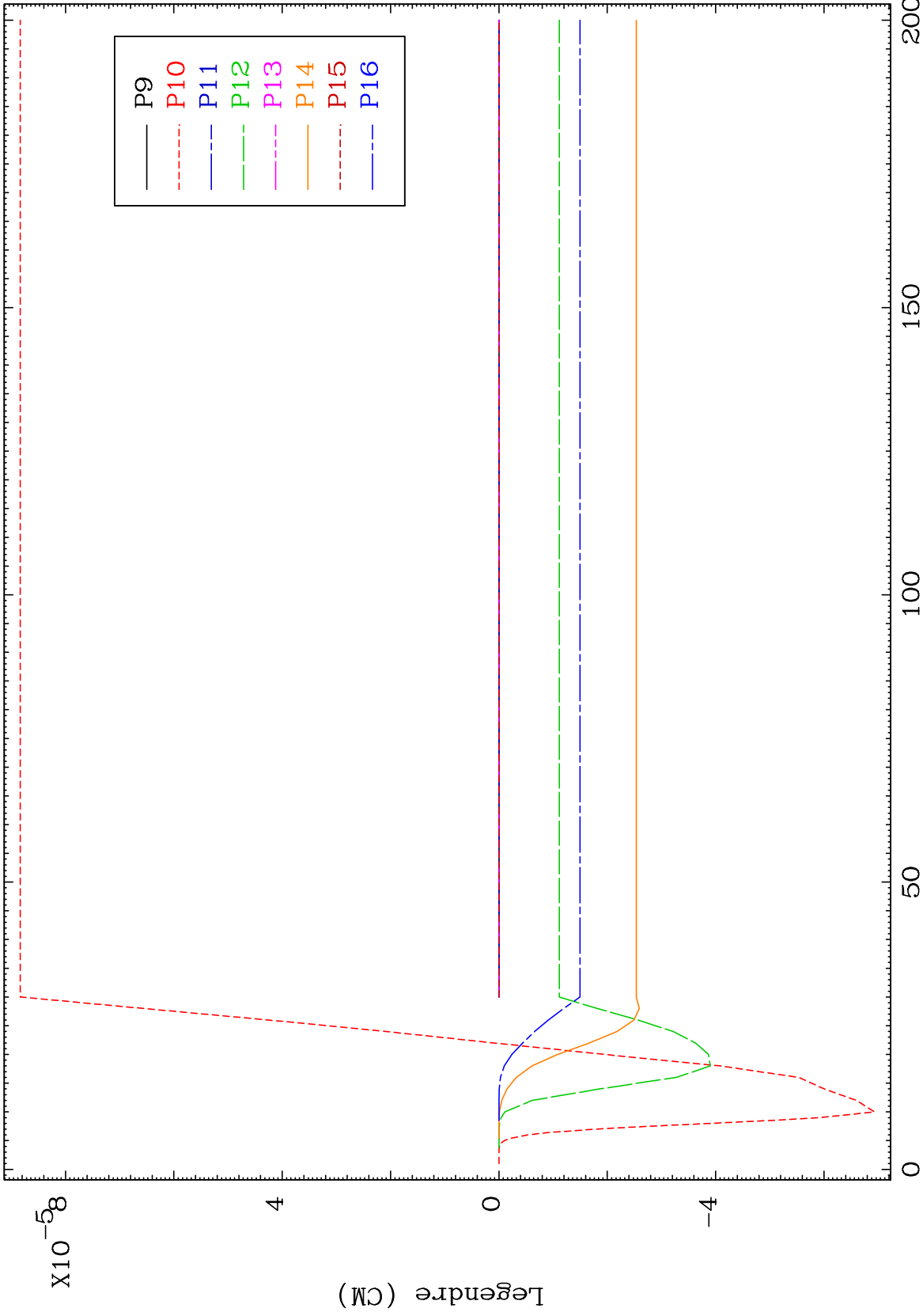
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MAT 5334

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

53-I -130



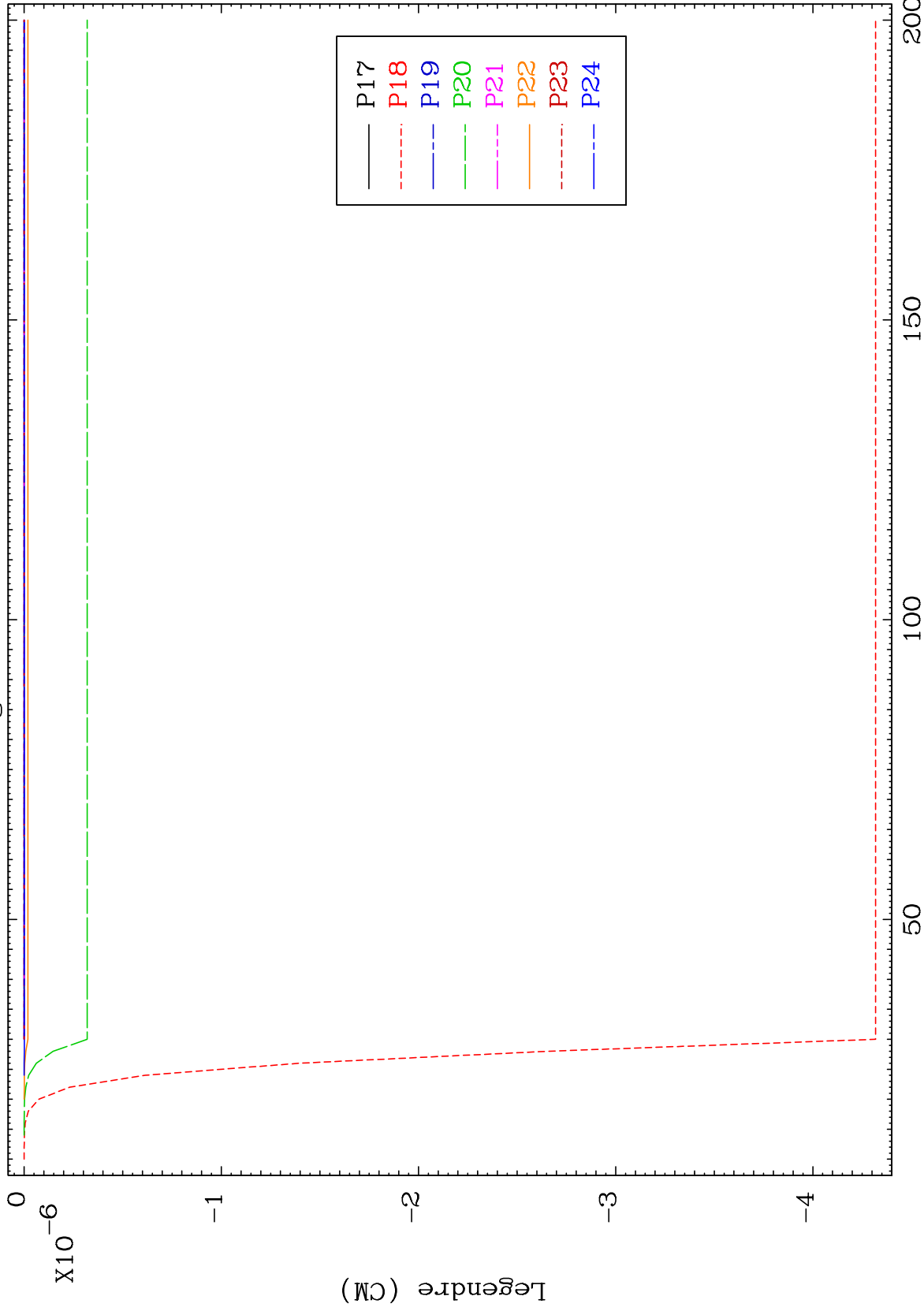
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53-I -130

MAT 5334

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

53-I -130



44

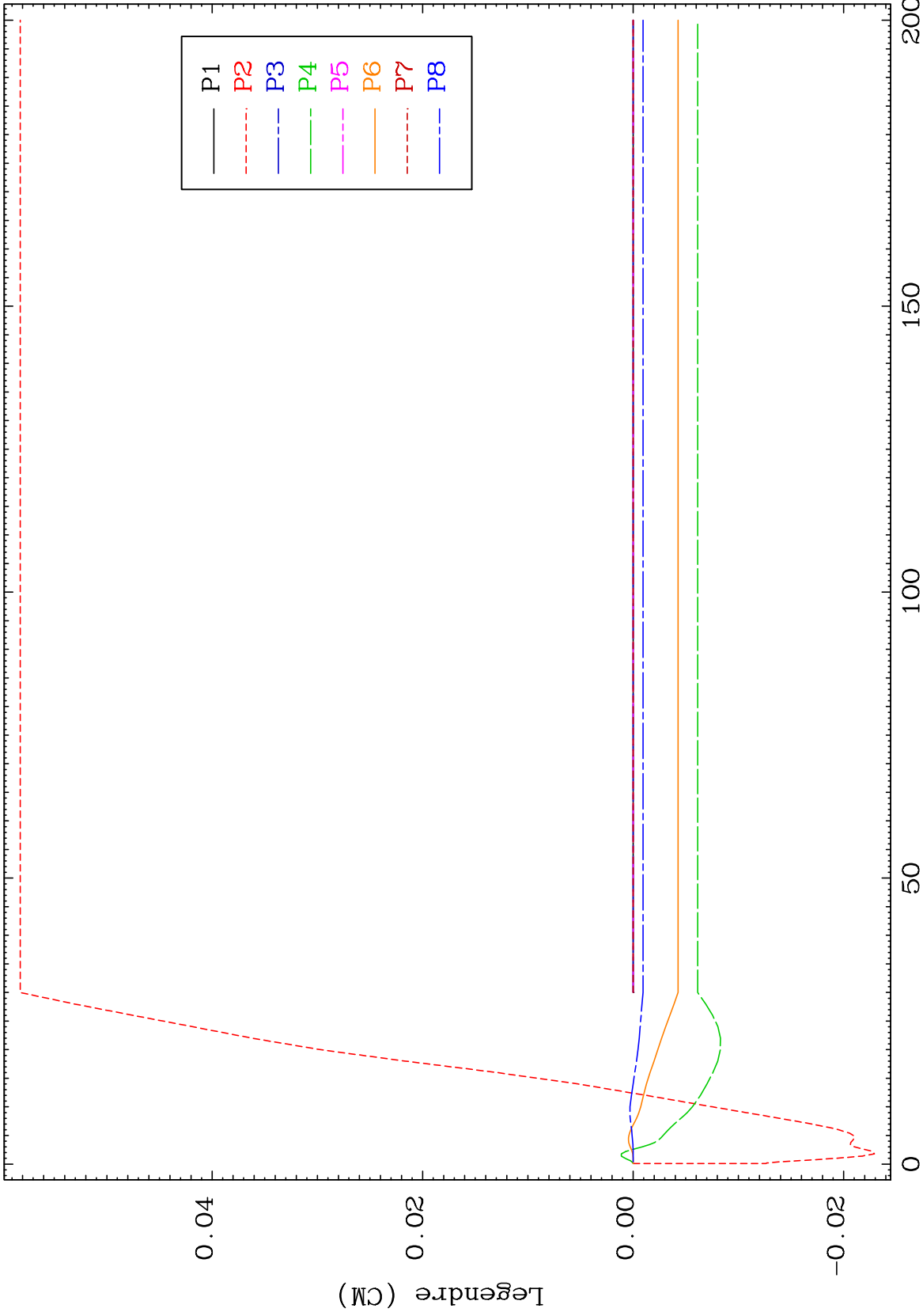
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



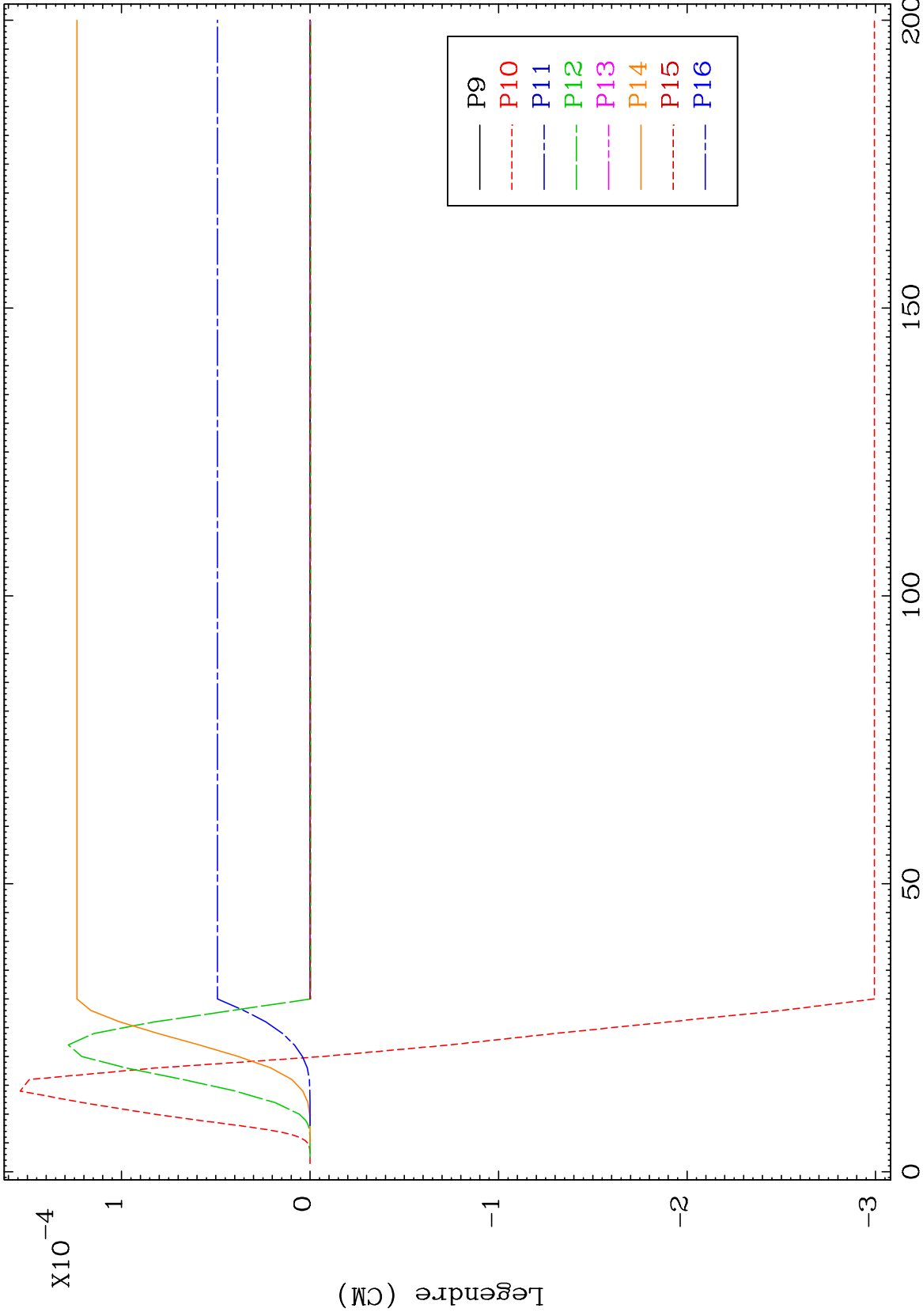
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53-I -130

MAT 5334

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

53-I -130



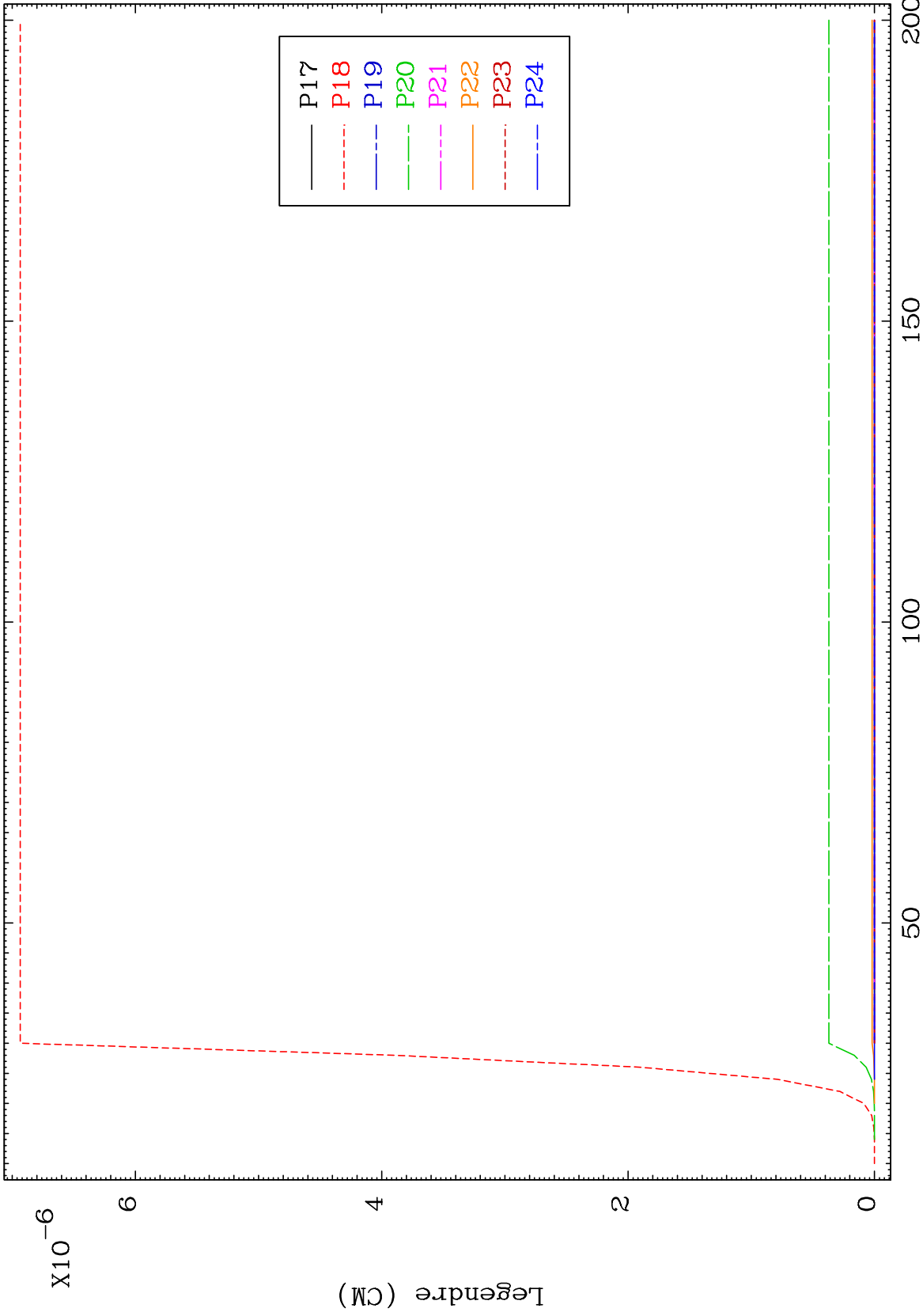
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53-I -130

MAT 5334

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

53-I -130



47

Incident Energy (MeV)

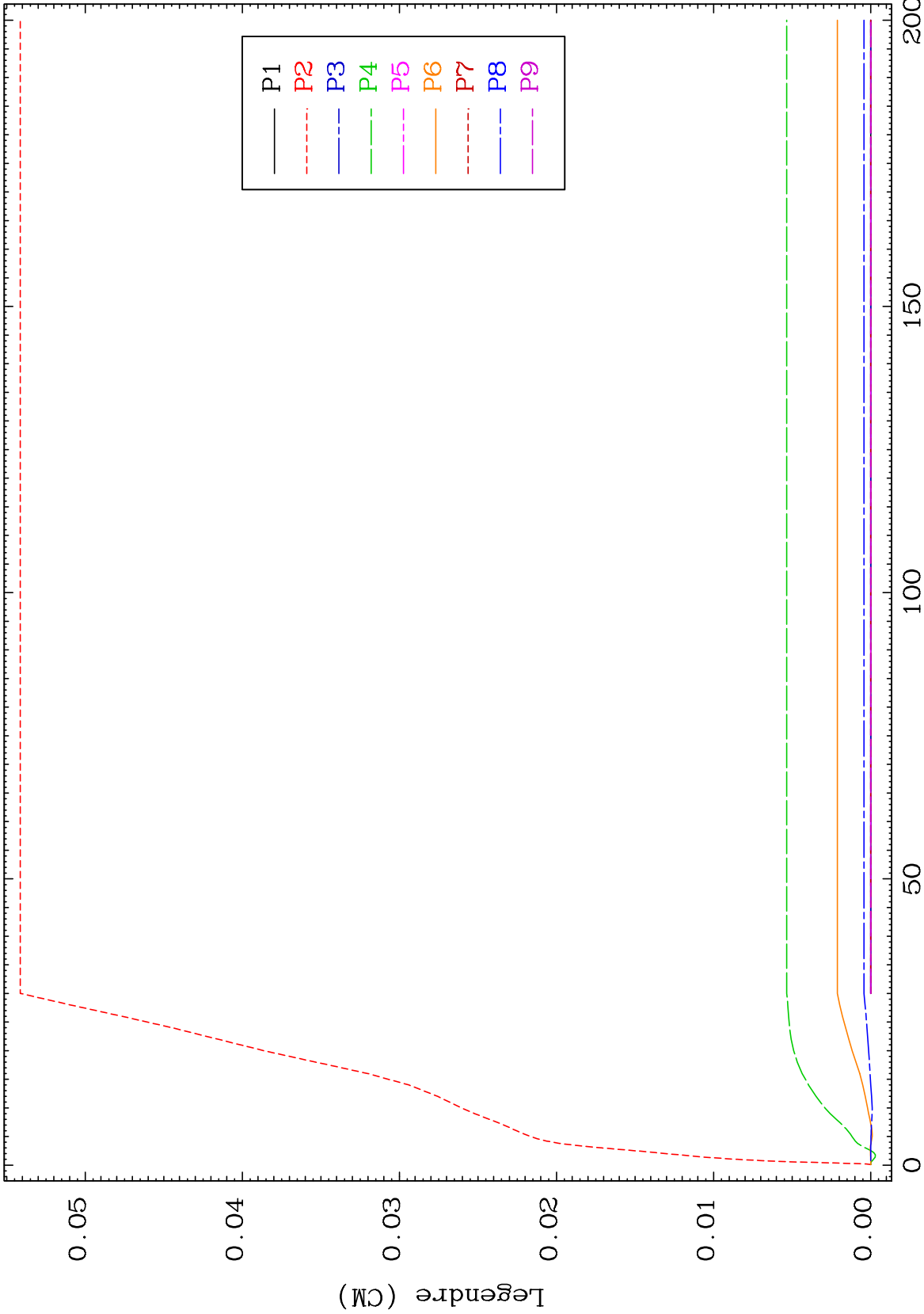
53-I -130



MAT 5334

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

53-I -130



48

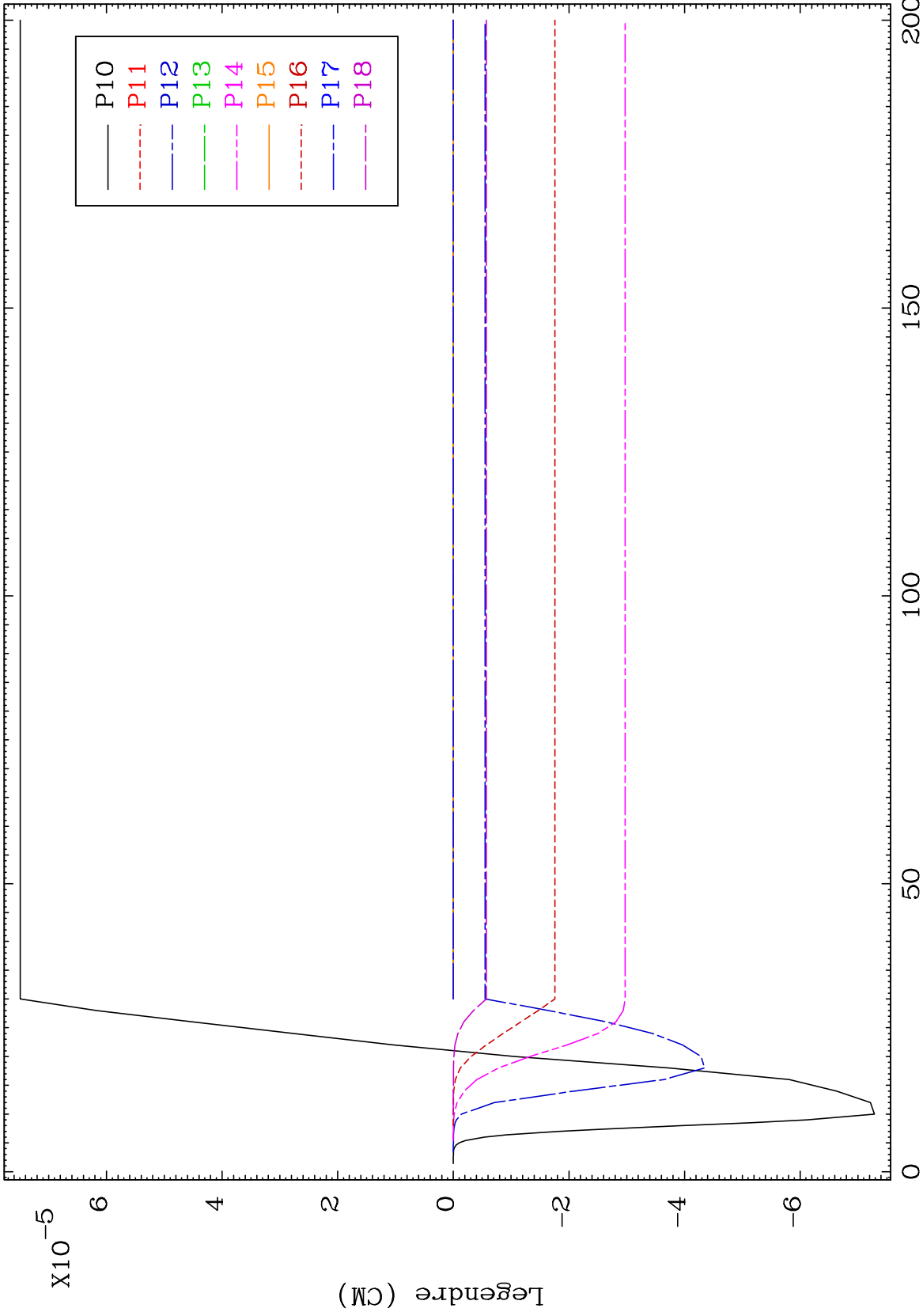
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130

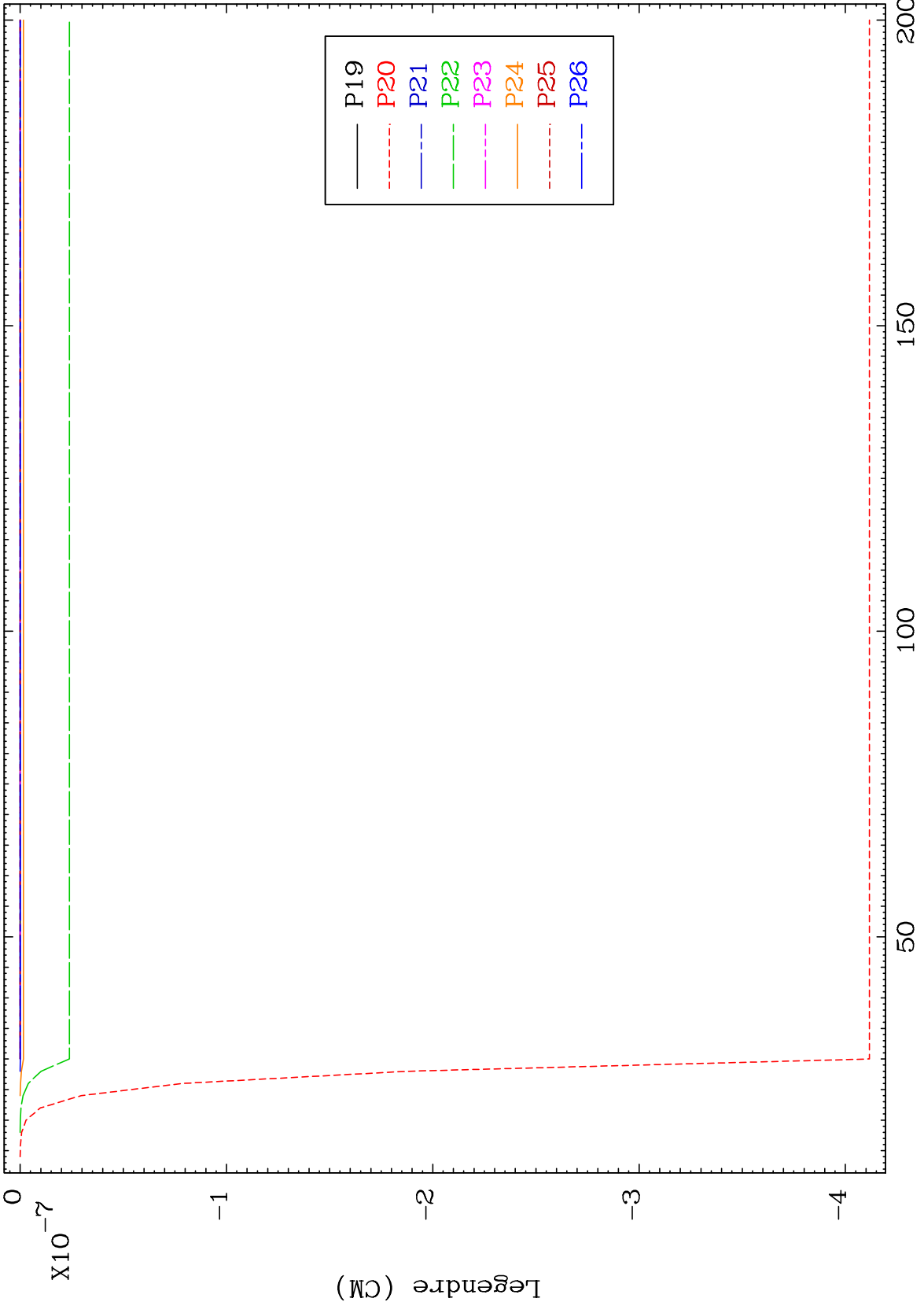


49

Incident Energy (MeV)

53-I -130

MAT 5334 MT= 59 (n,n') Level Legendre Coefficients 53-I -130

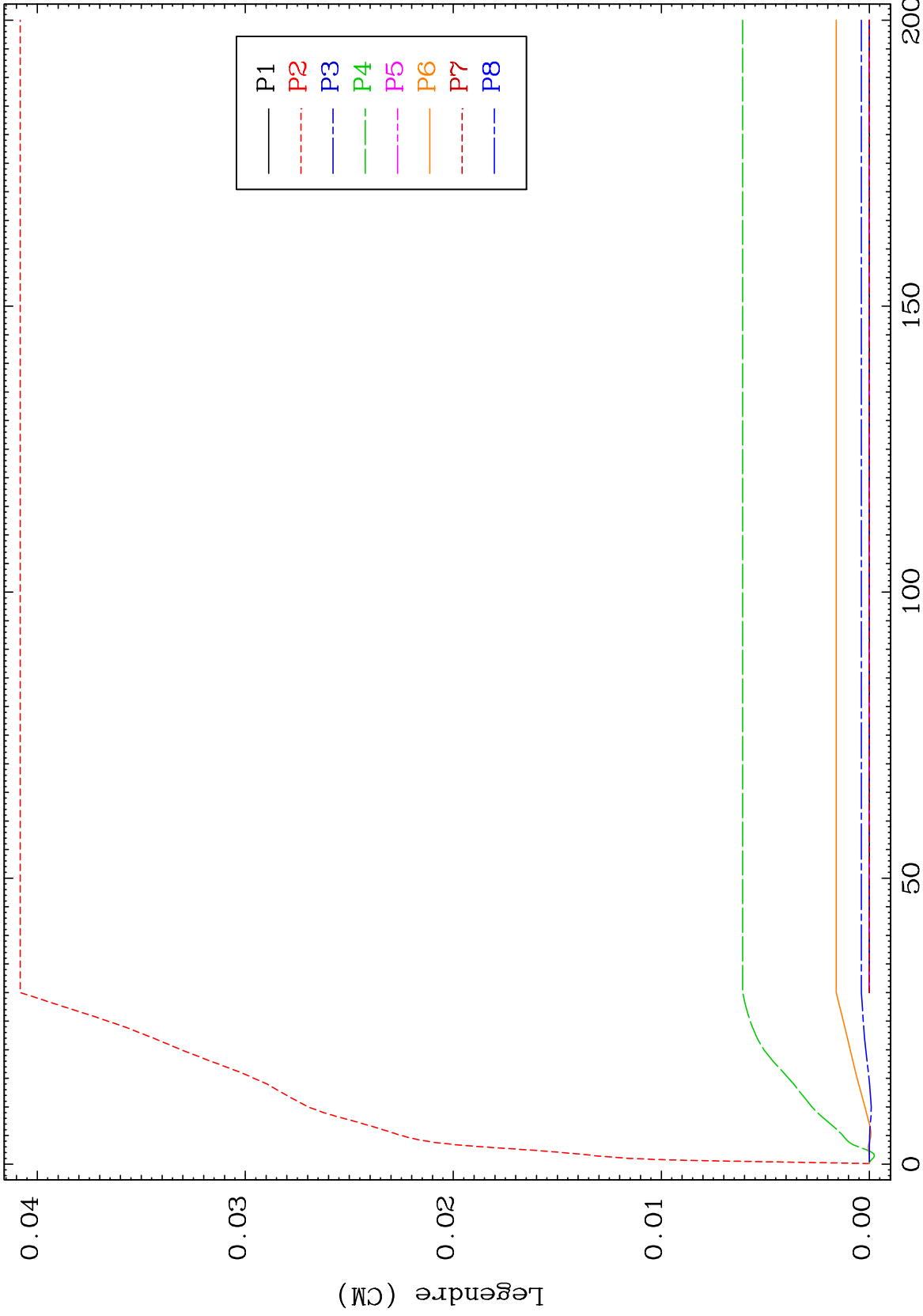


53-I -130

MAT 5334

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

53-I -130



51

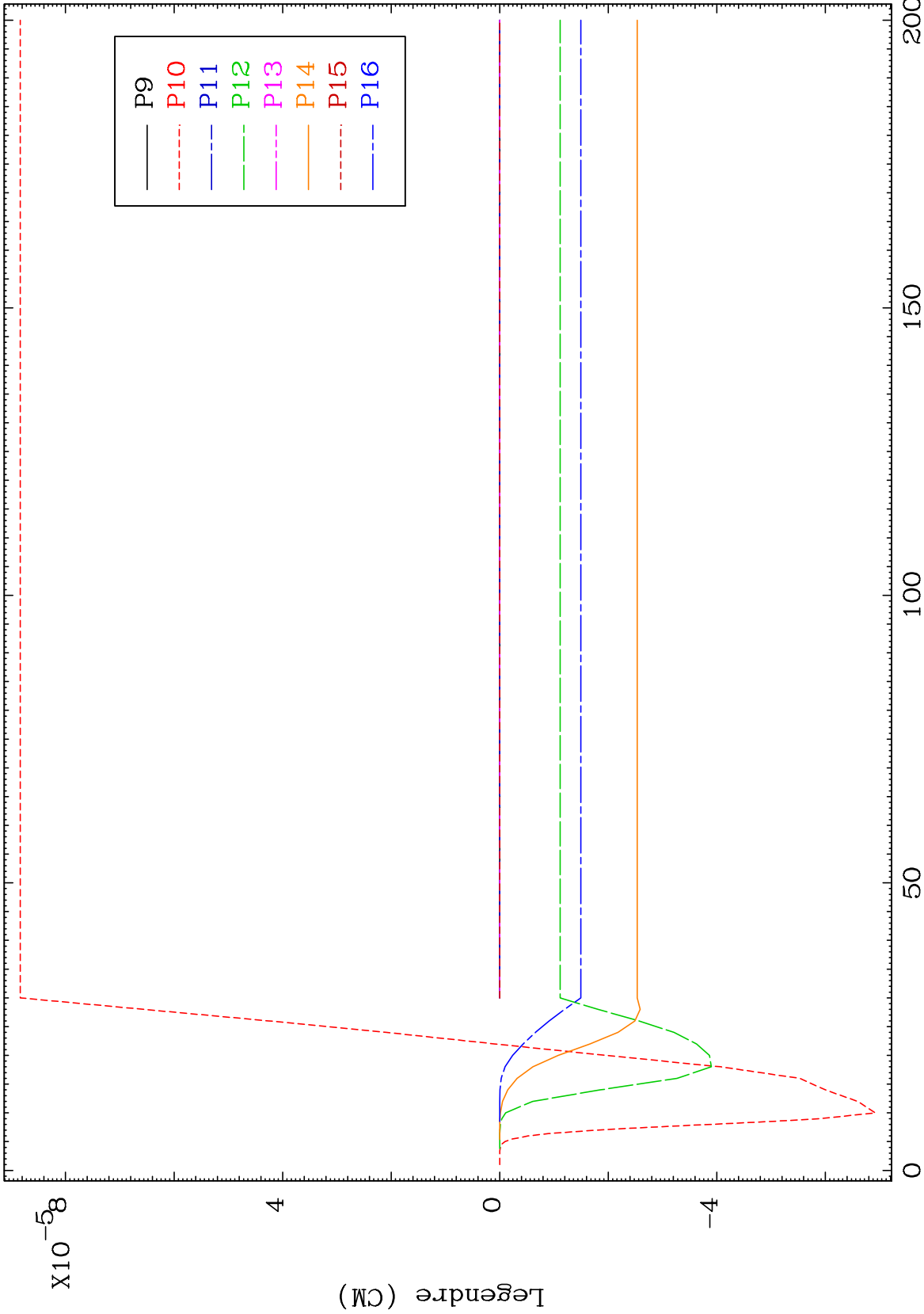
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



52

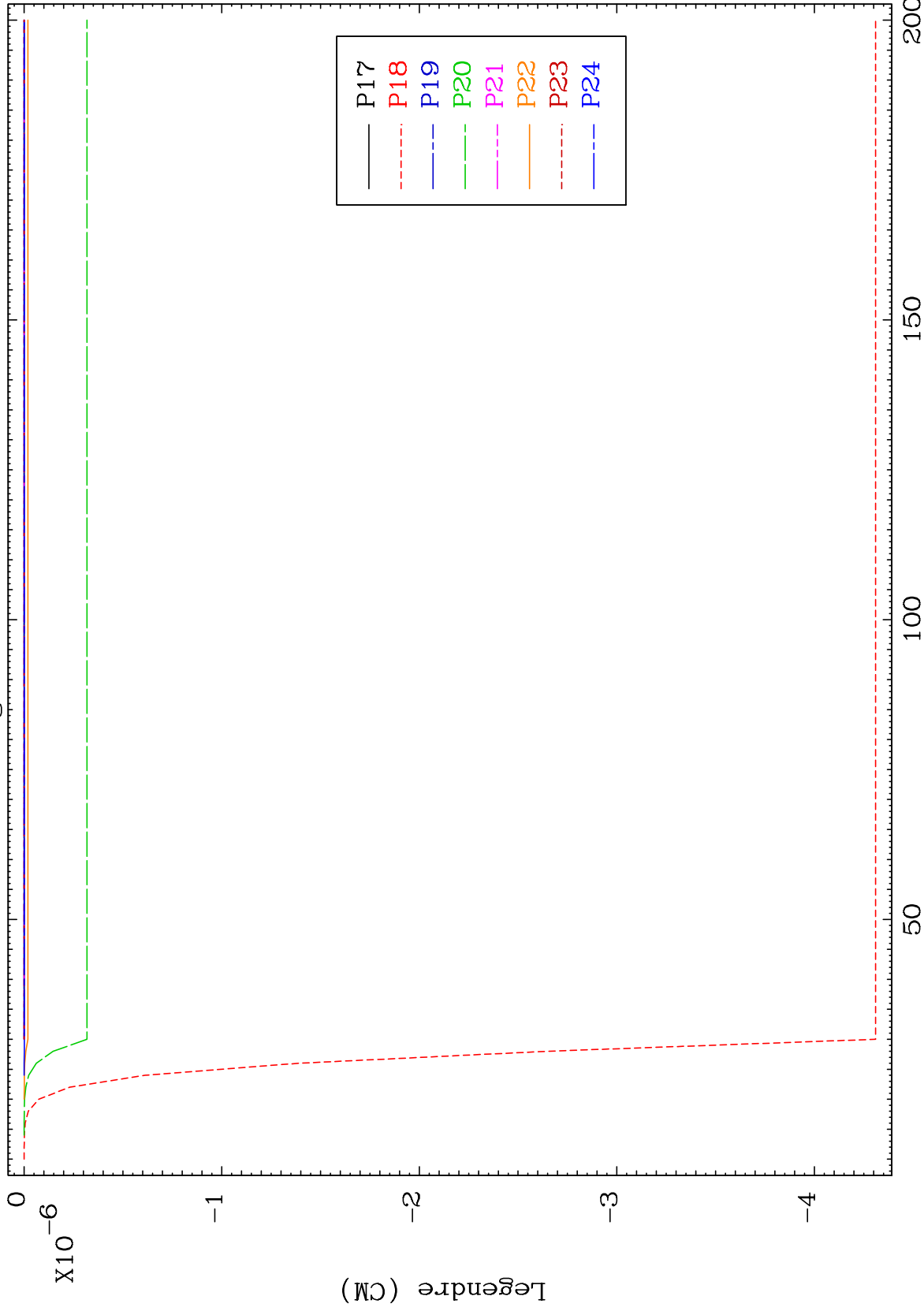
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



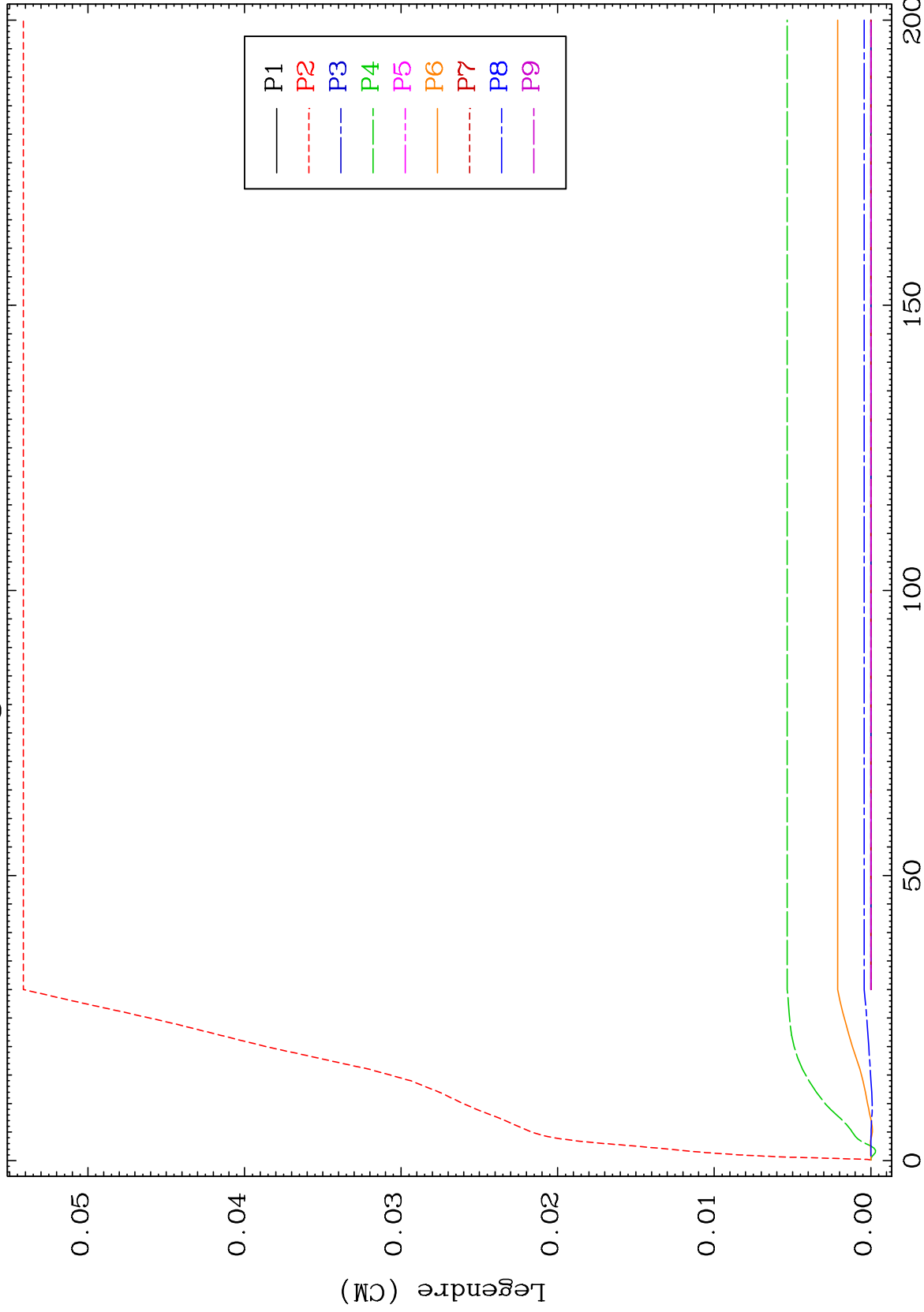
53

53-I -130

MAT 5334

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

53-I -130



54

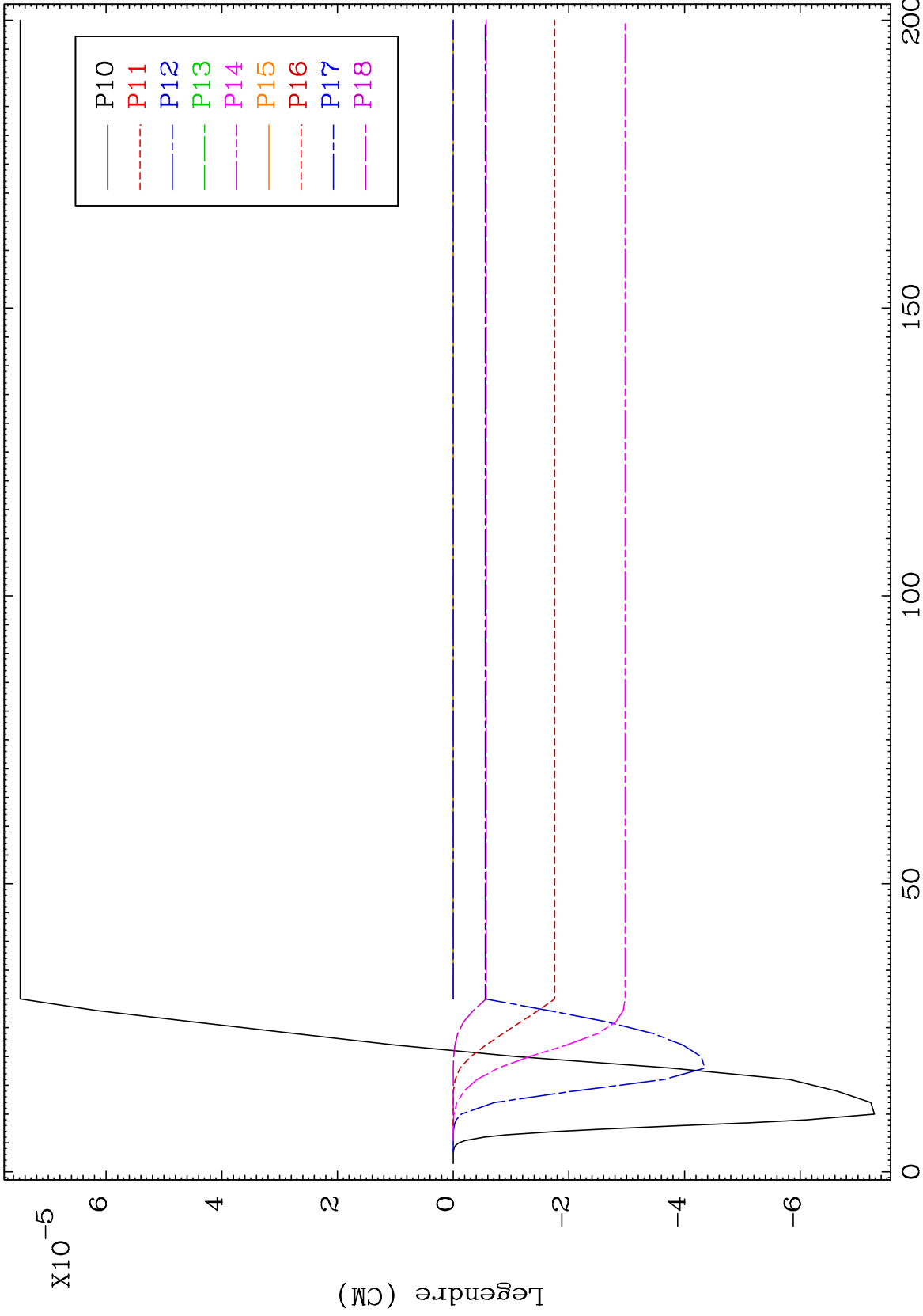
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



55

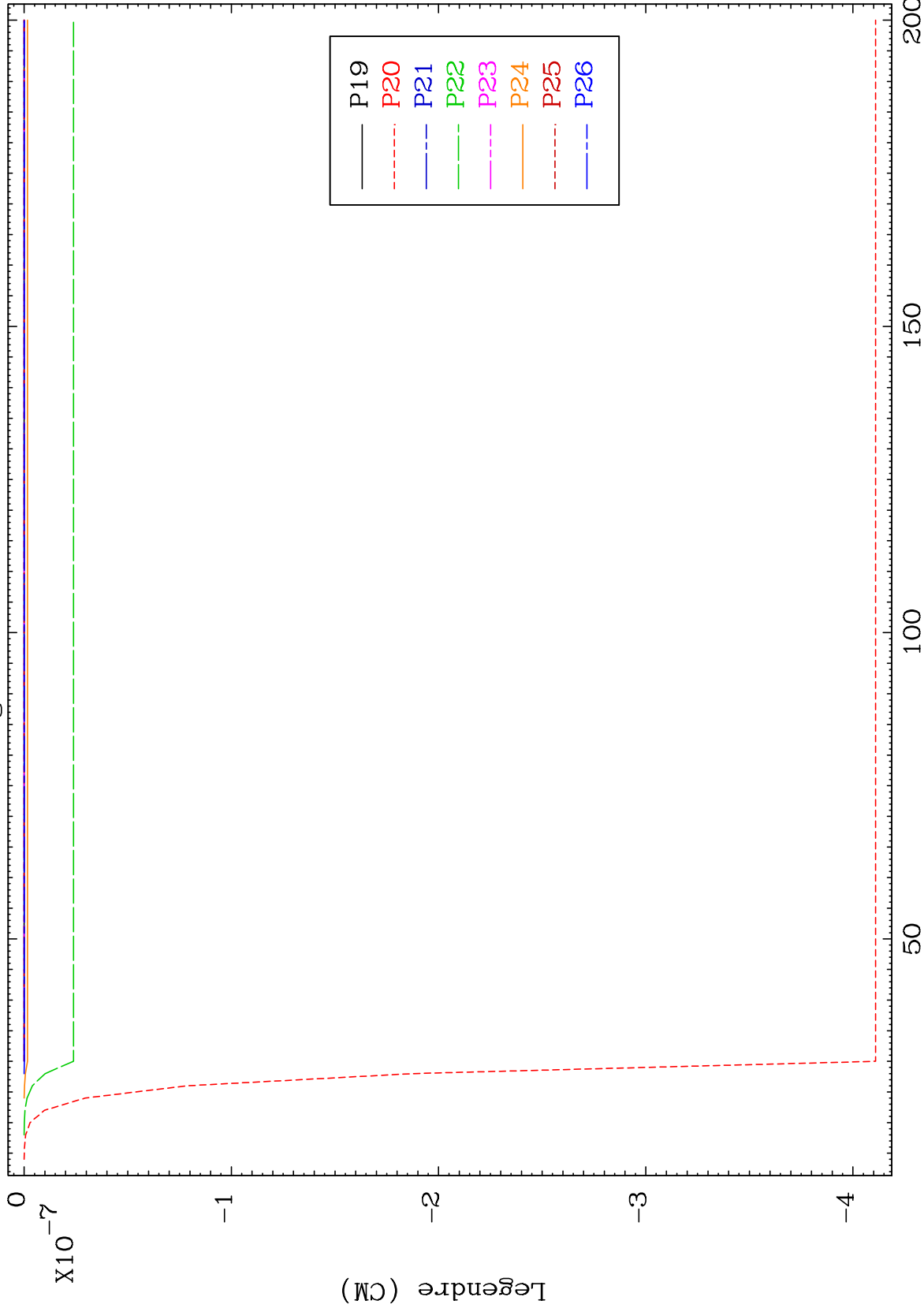
53-I -130



MAT 5334

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

53-I -130



56

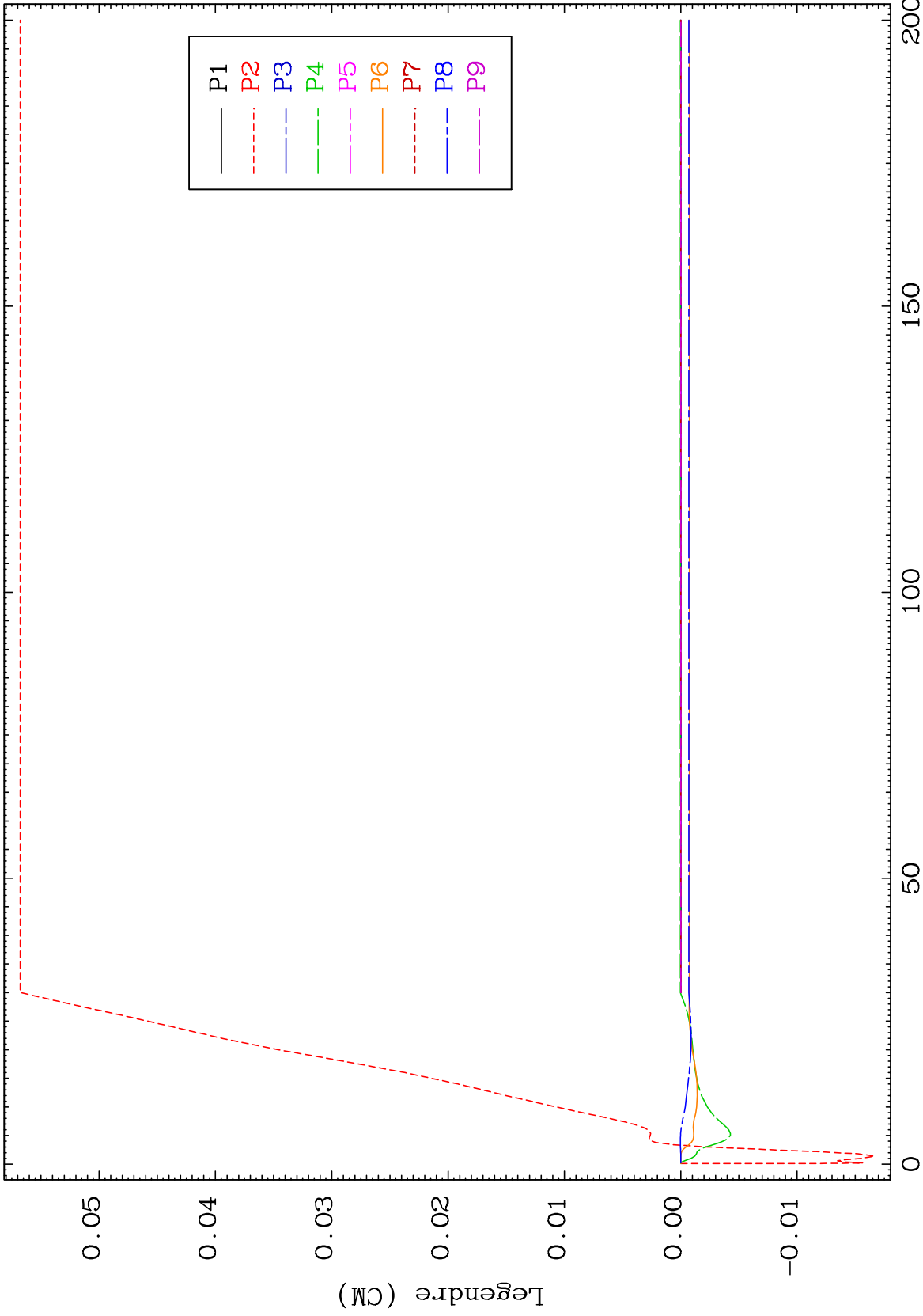
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



57

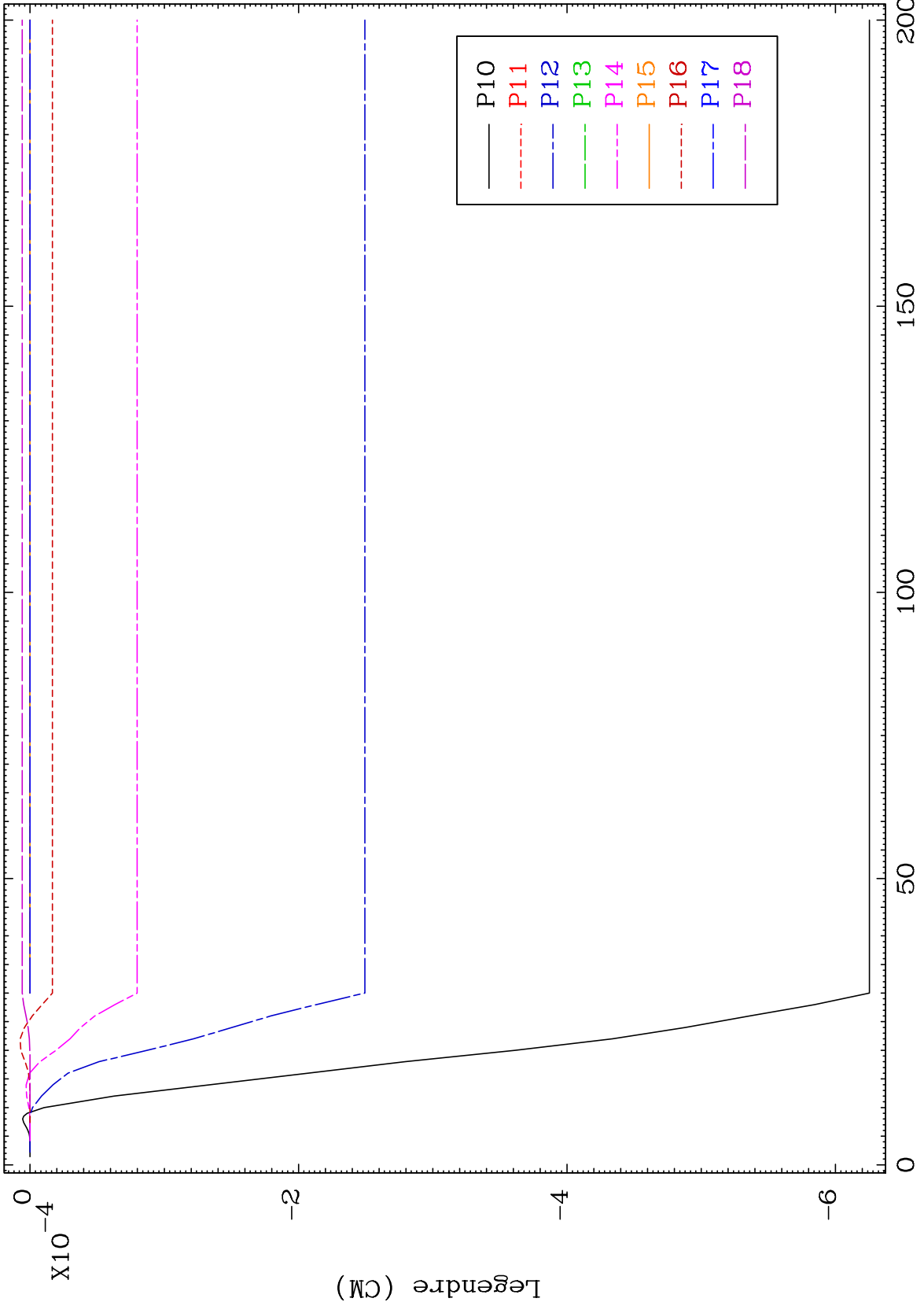
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



58

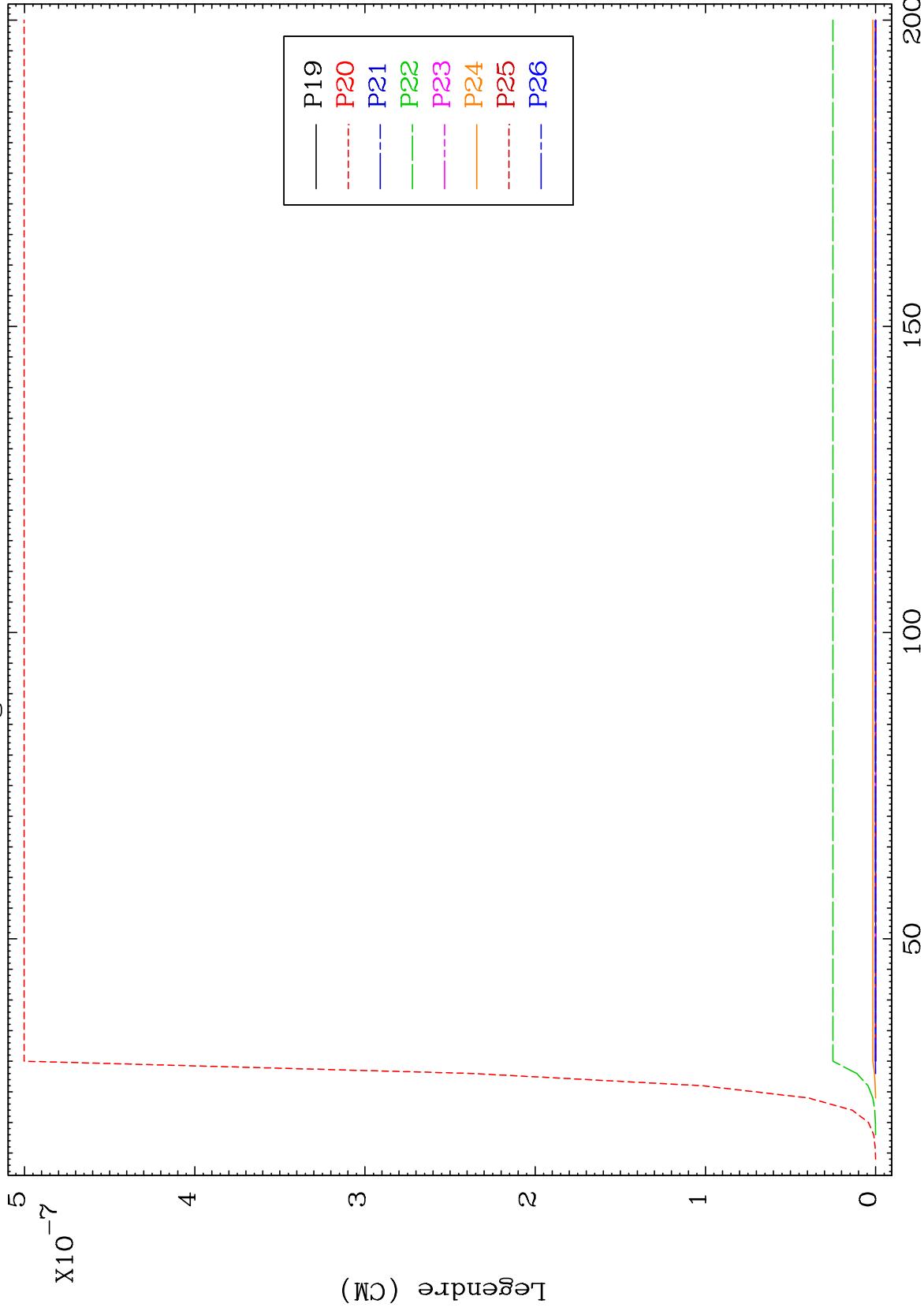
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



59

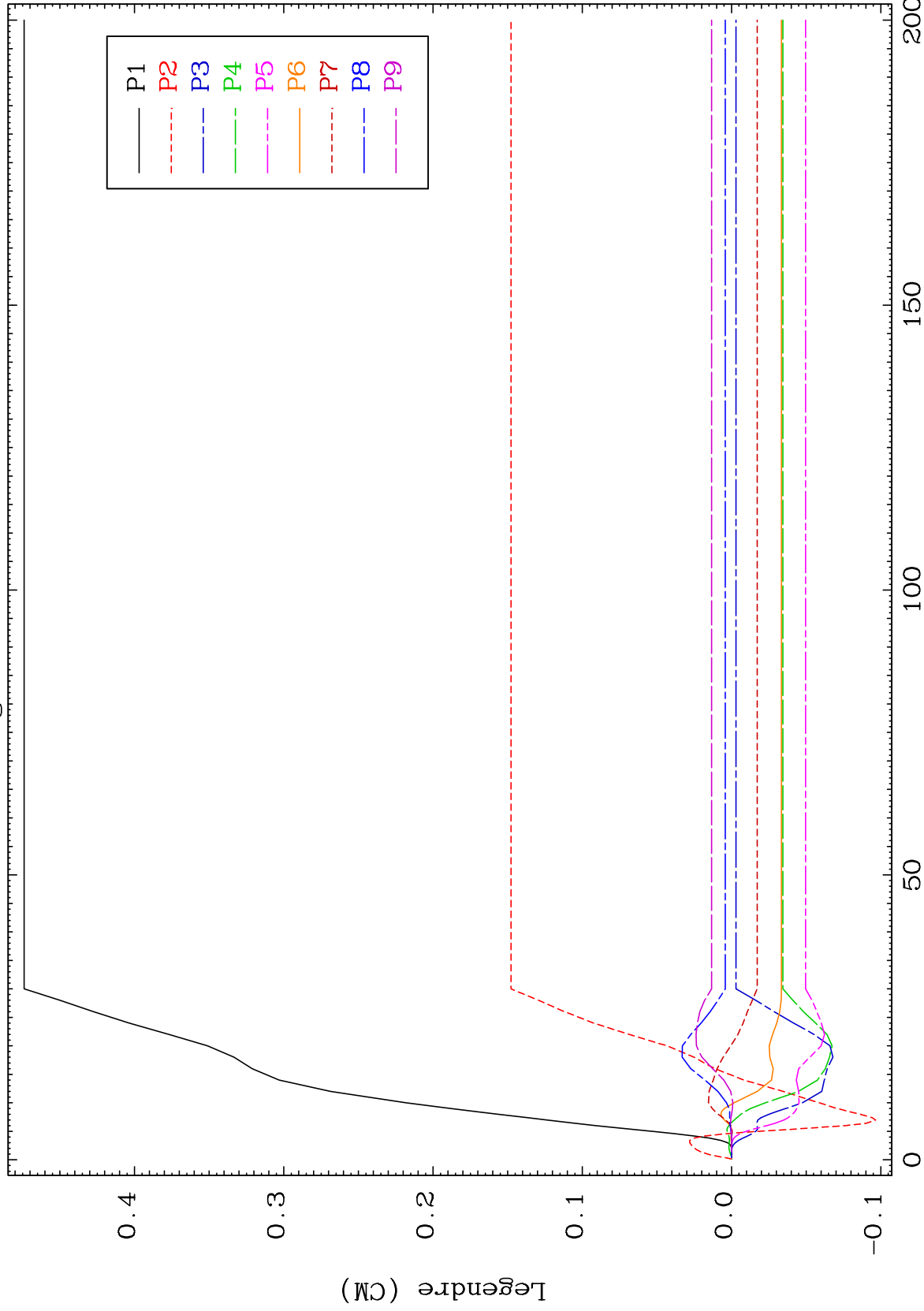
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



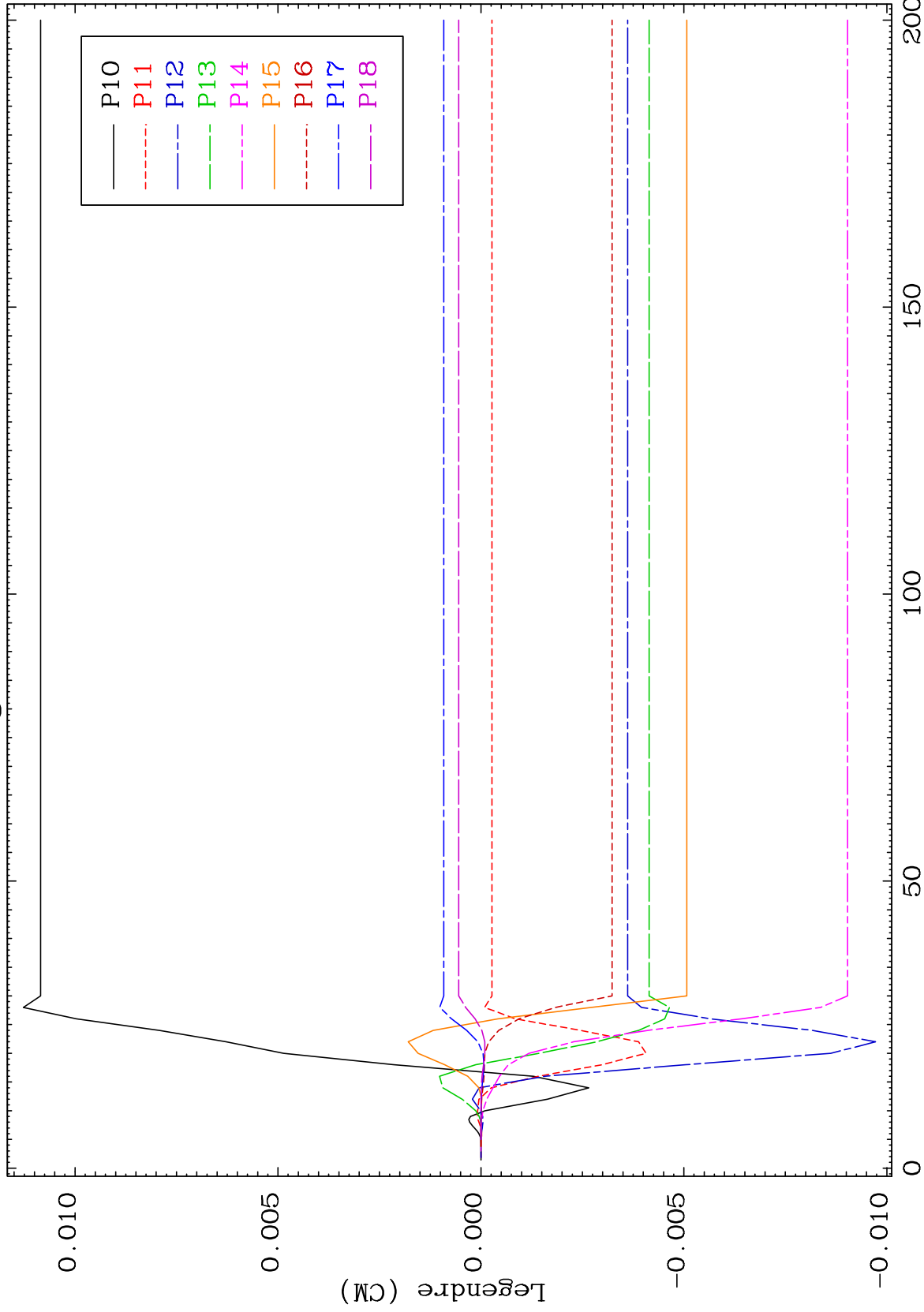
53-I -130

Incident Energy (MeV)

MAT 5334

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

53-I -130



61

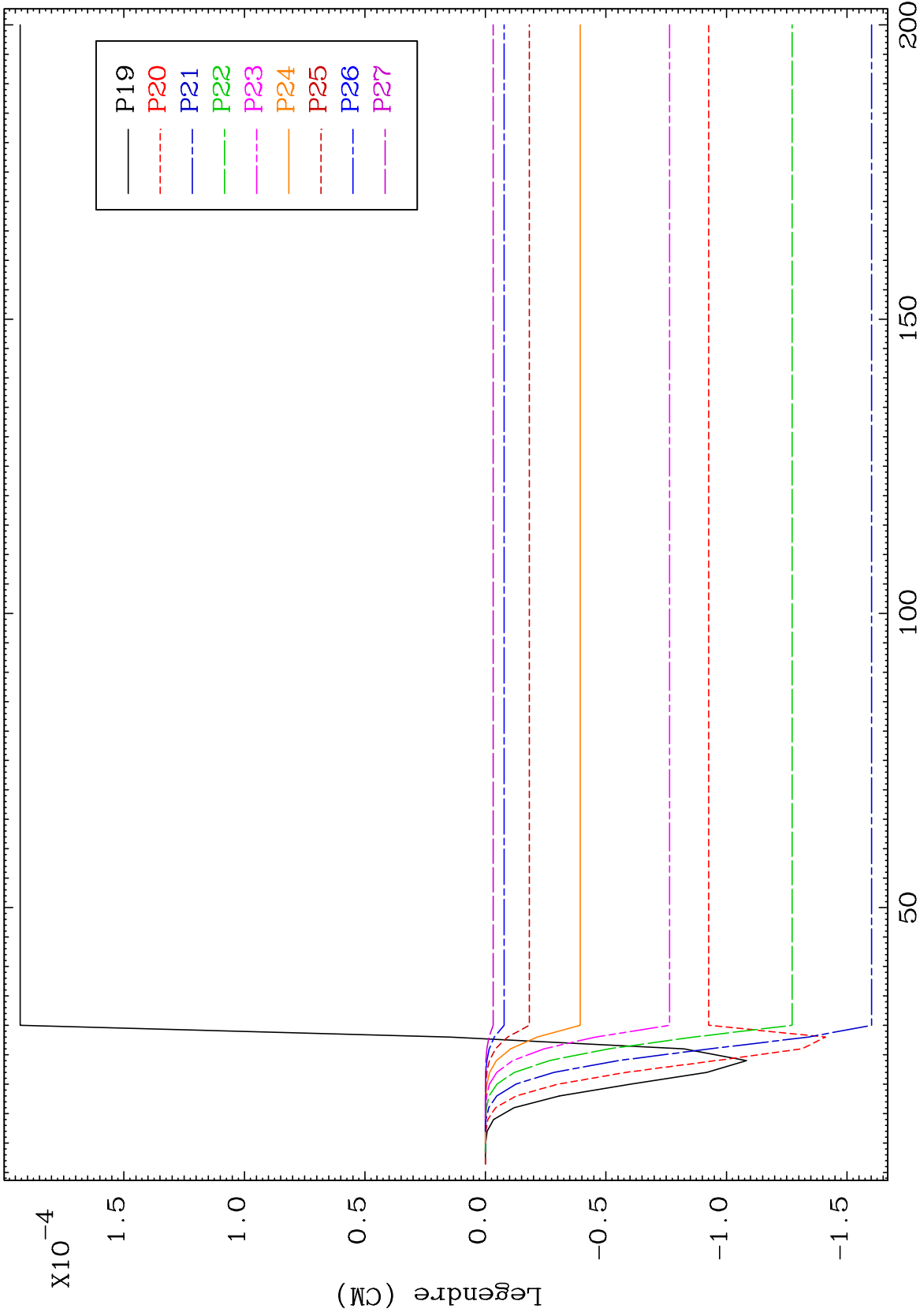
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130

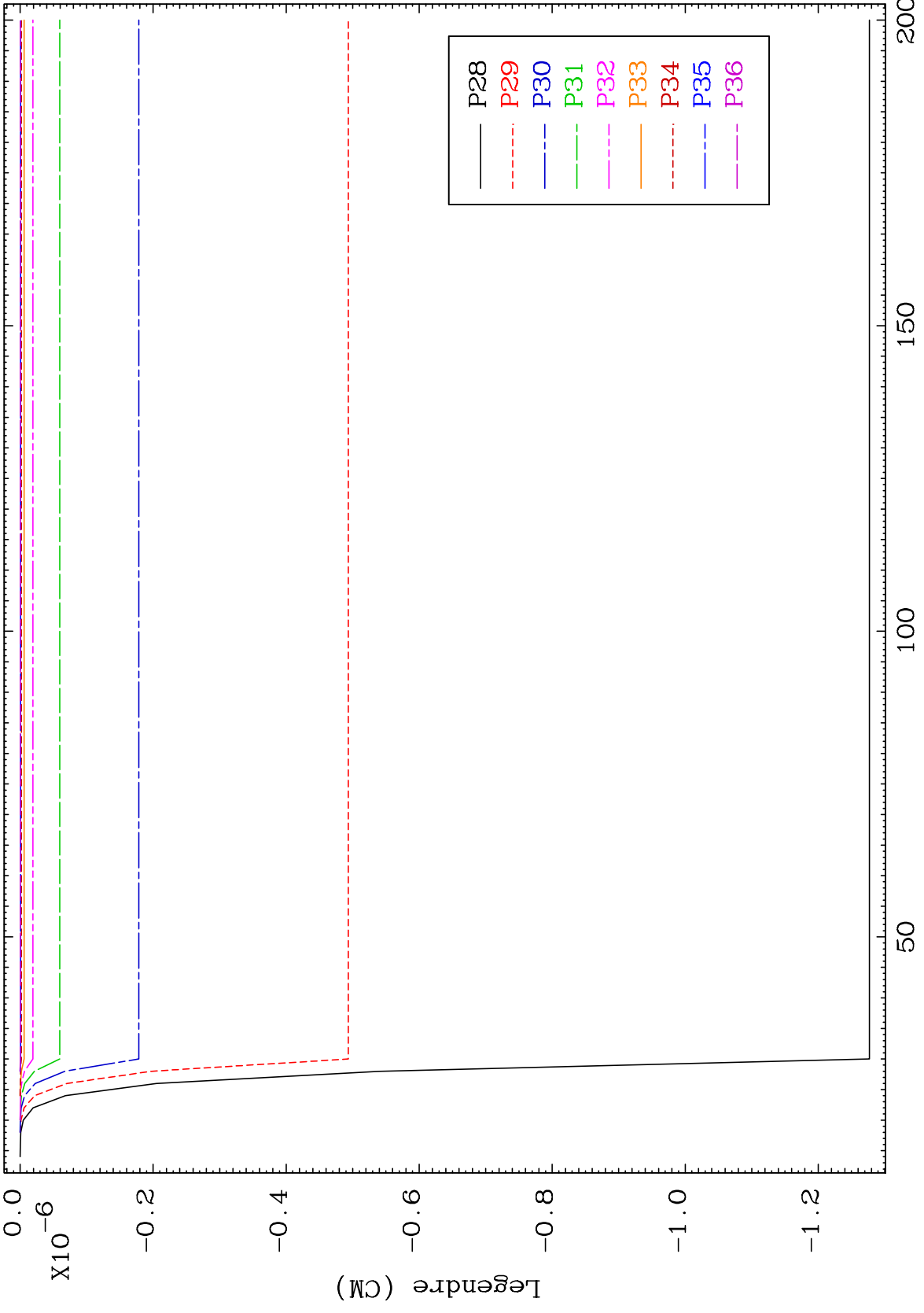


62

Incident Energy (MeV)

53-I -130

MAT 5334 MT= 63 (n,n') Level Legendre Coefficients 53-I -130



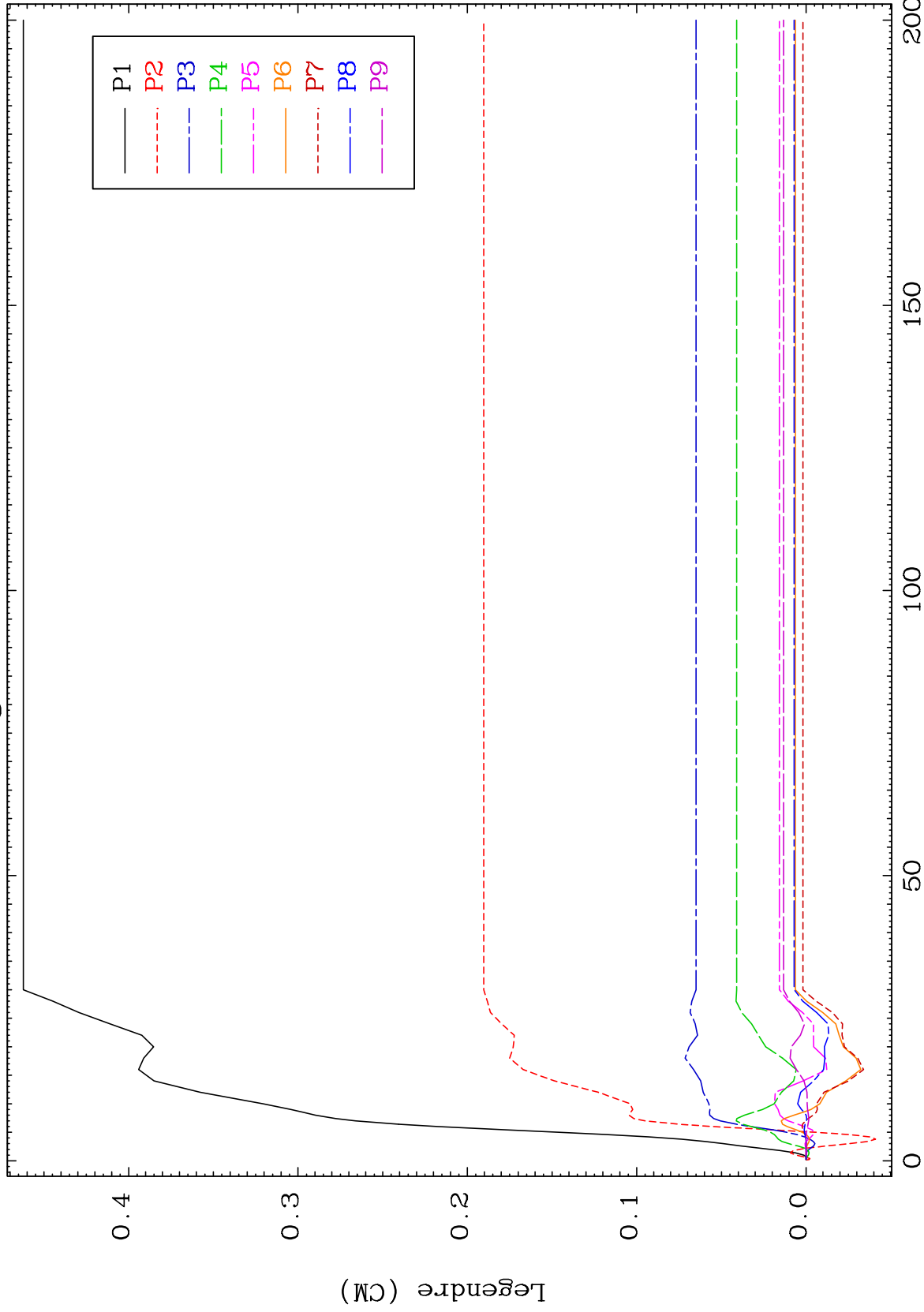
63 53-I -130



MAT 5334

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

53-I -130



64

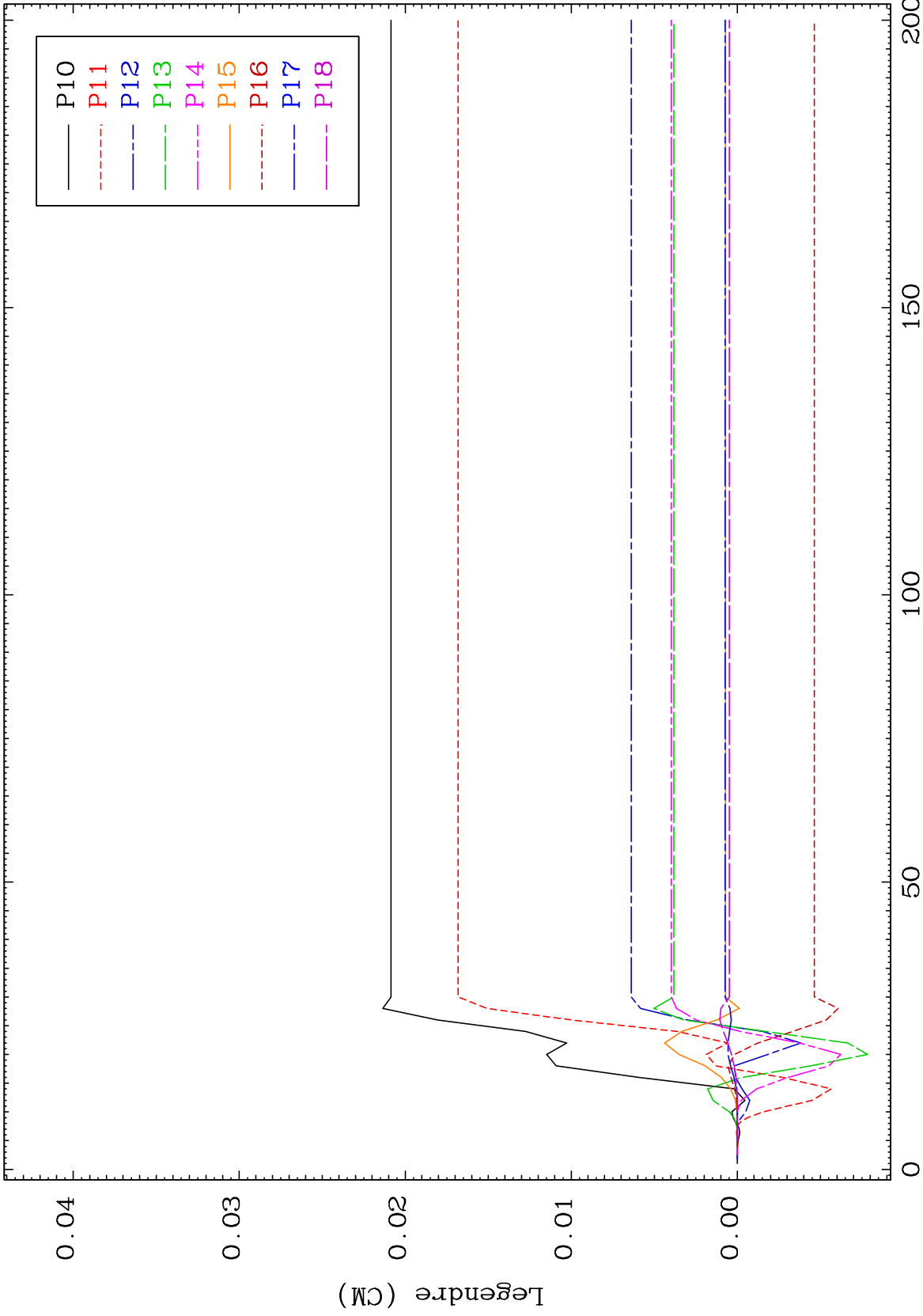
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



65

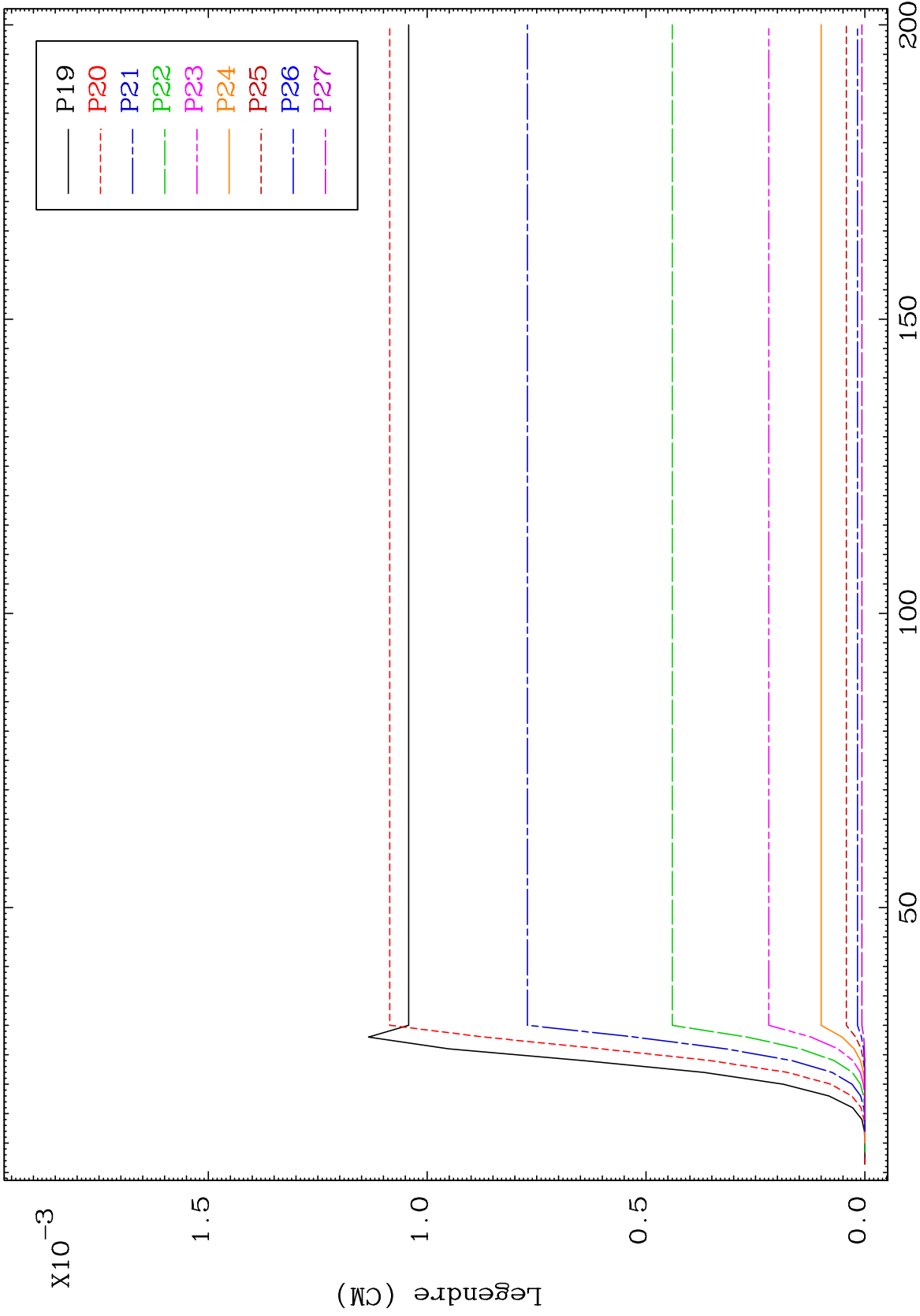
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



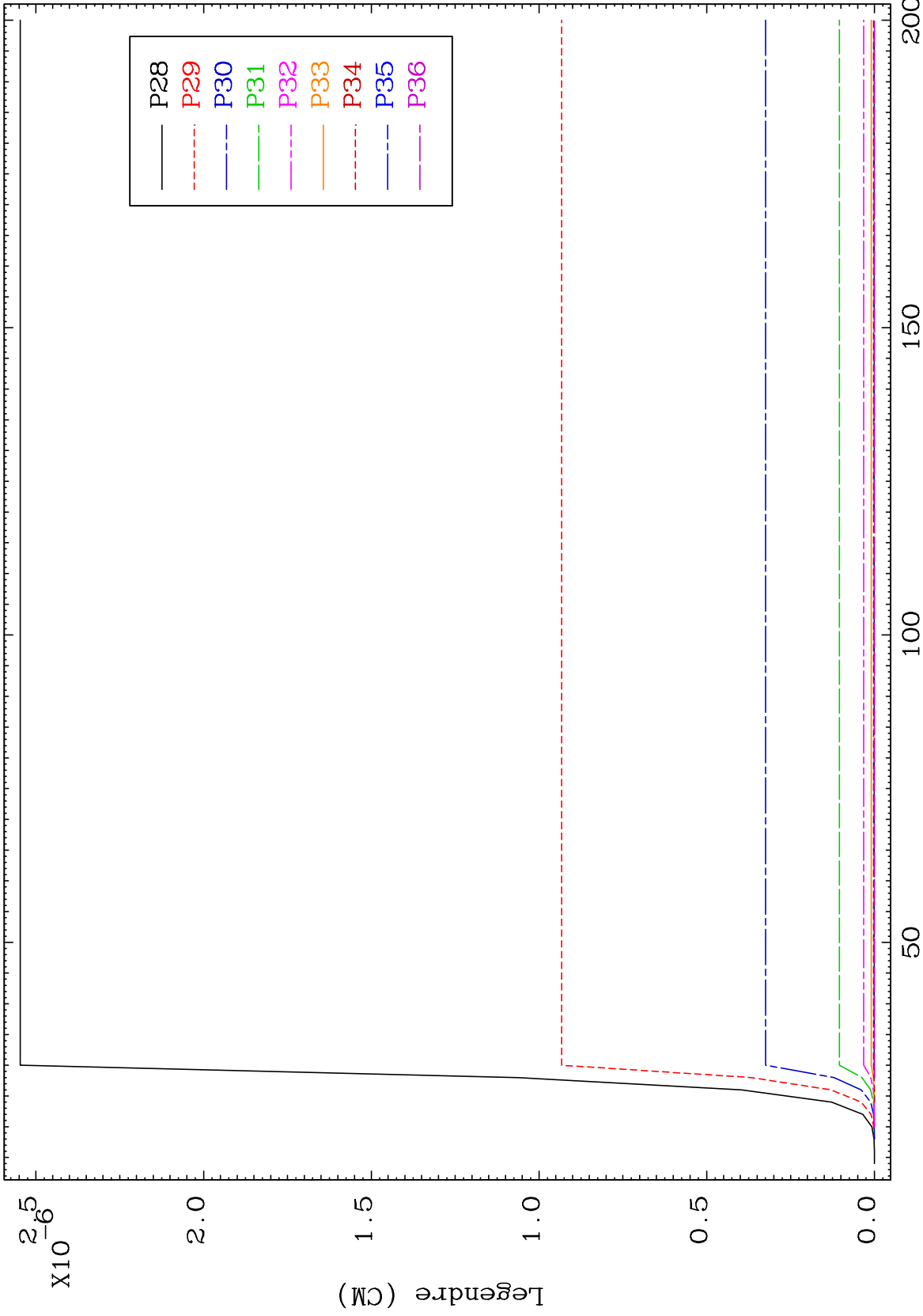
66

53-I -130

MAT 5334

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

53-I -130



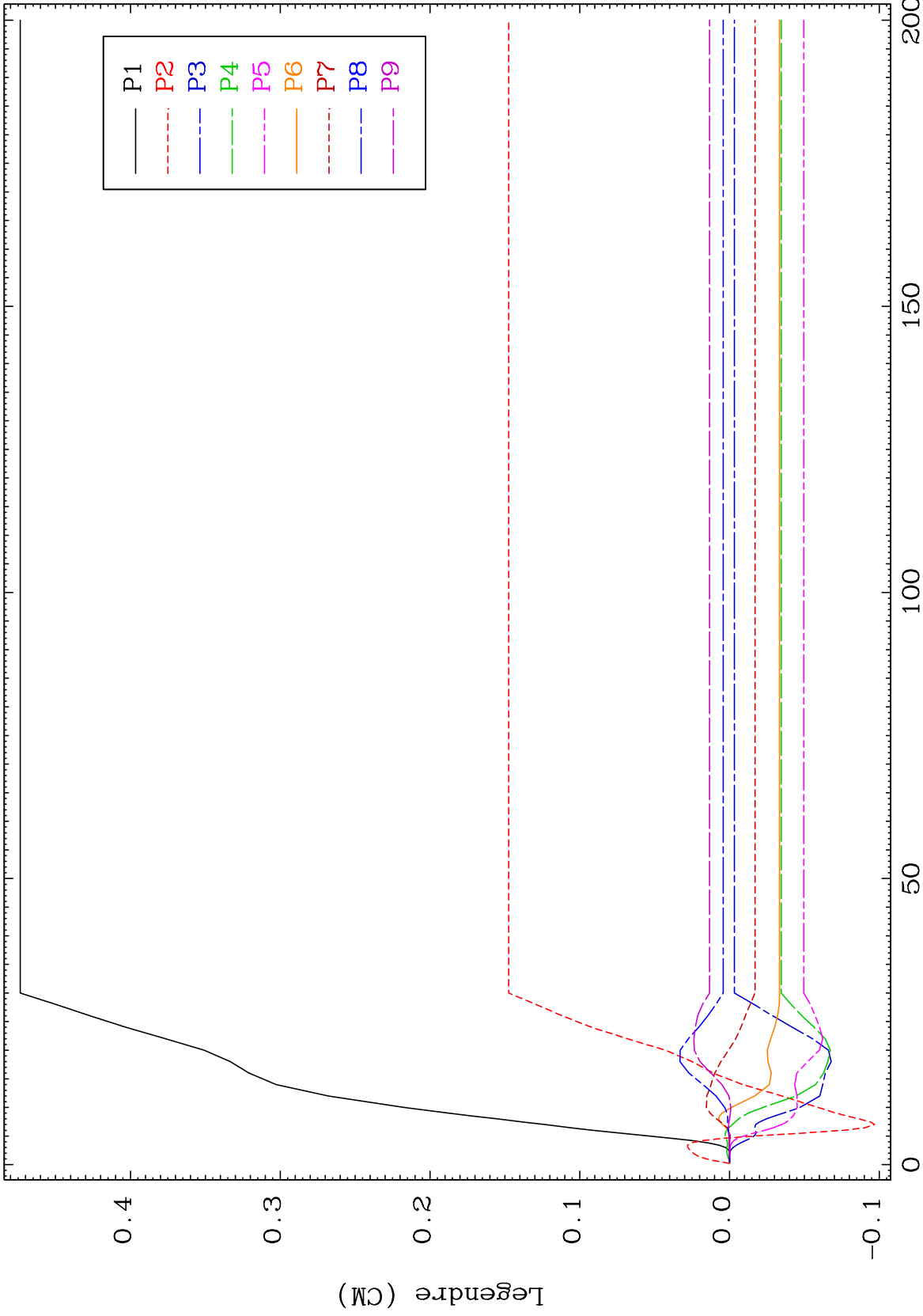
67

53-I -130

MAT 5334

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

53-I -130



68

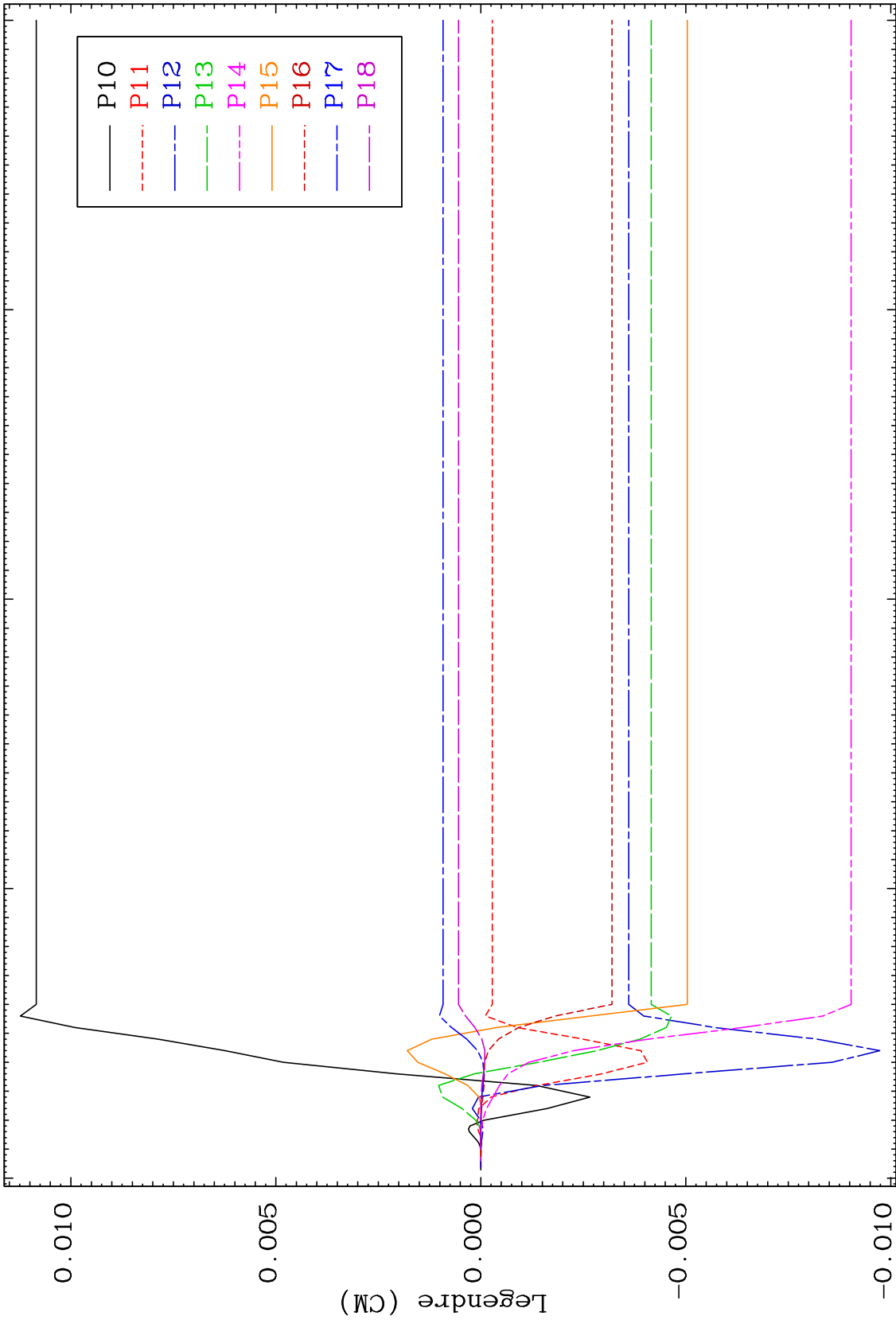
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



69

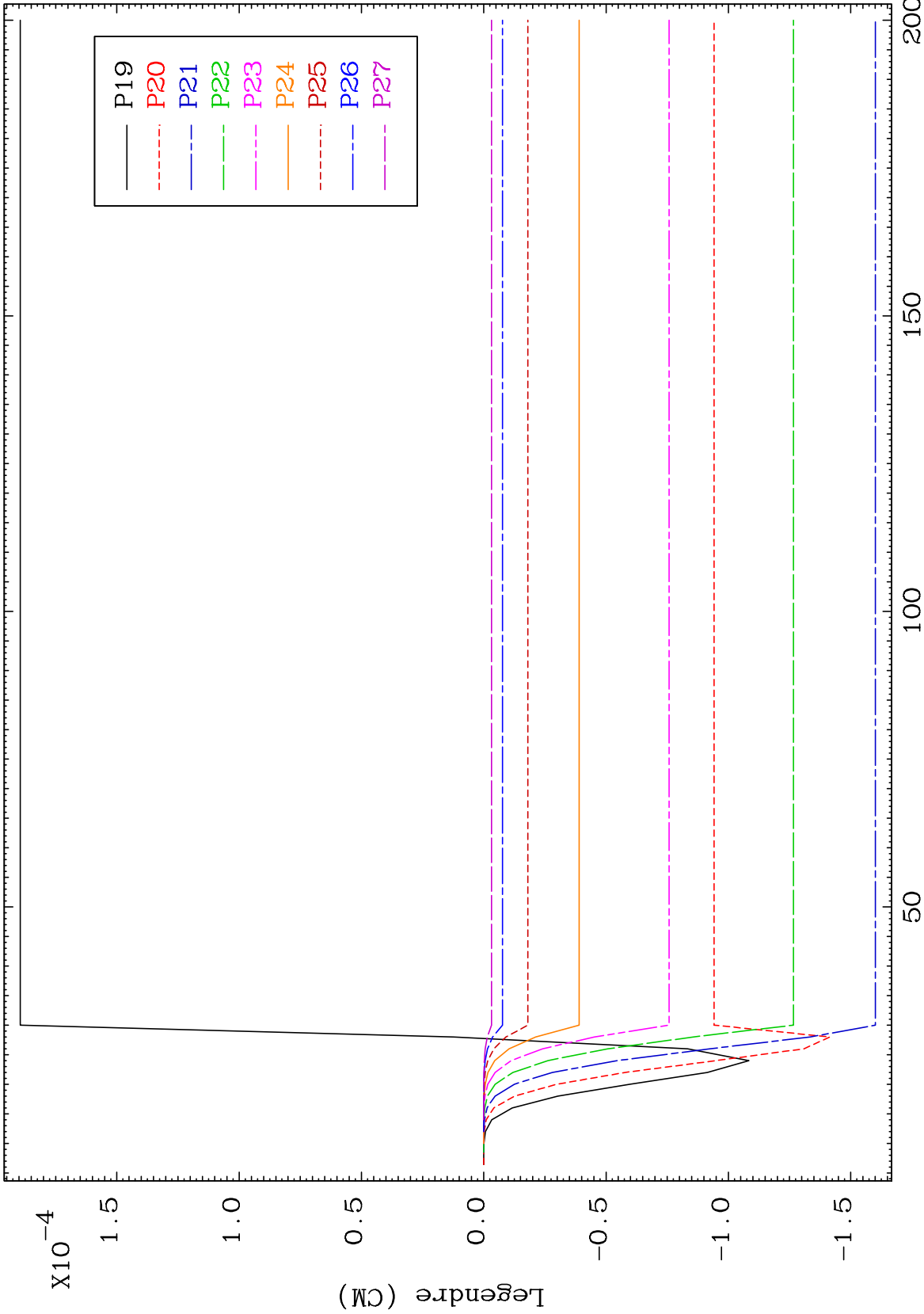
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130

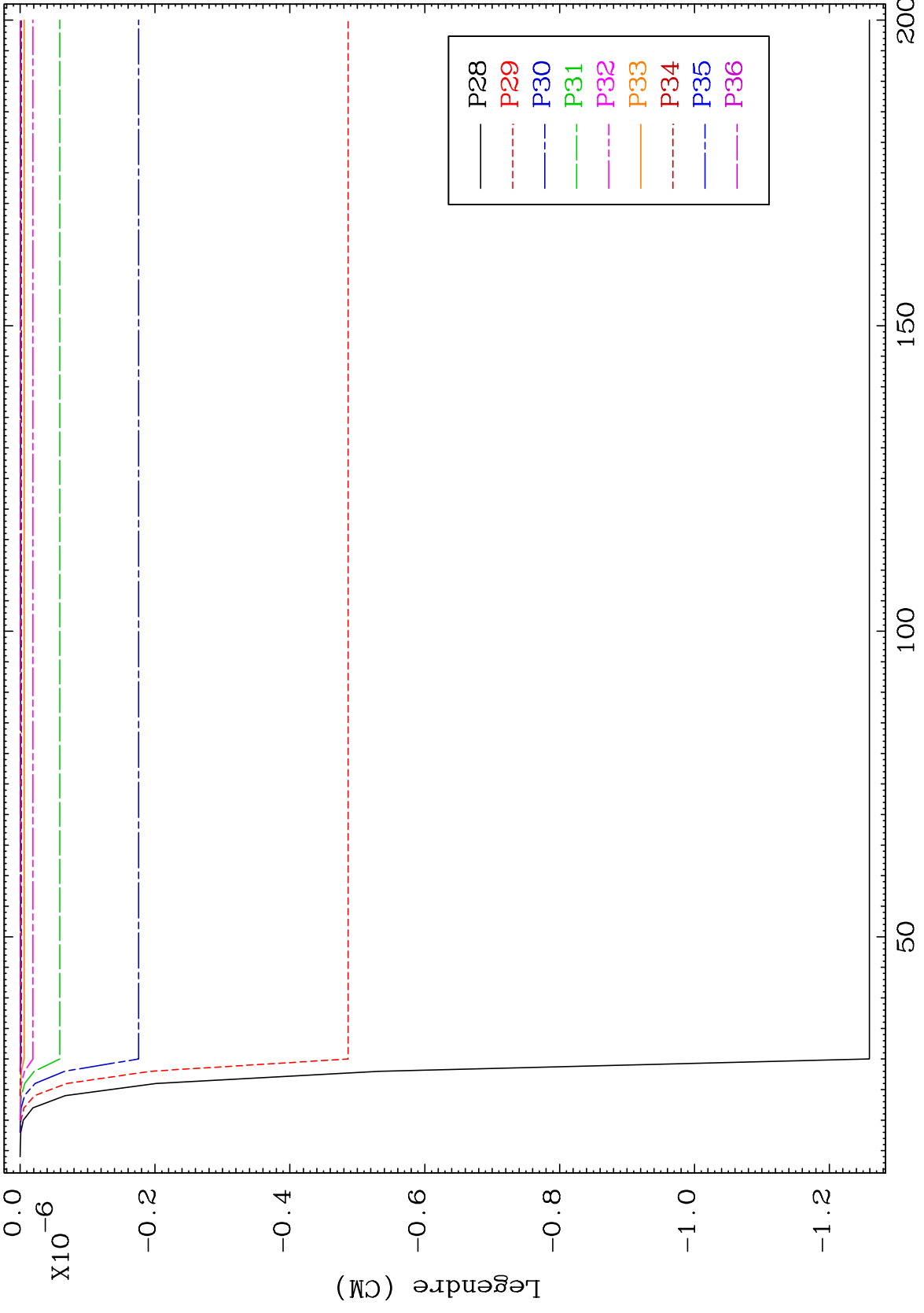


70

Incident Energy (MeV)

53-I -130

MAT 5334 MT= 65 (n,n') Level Legendre Coefficients 53-I -130

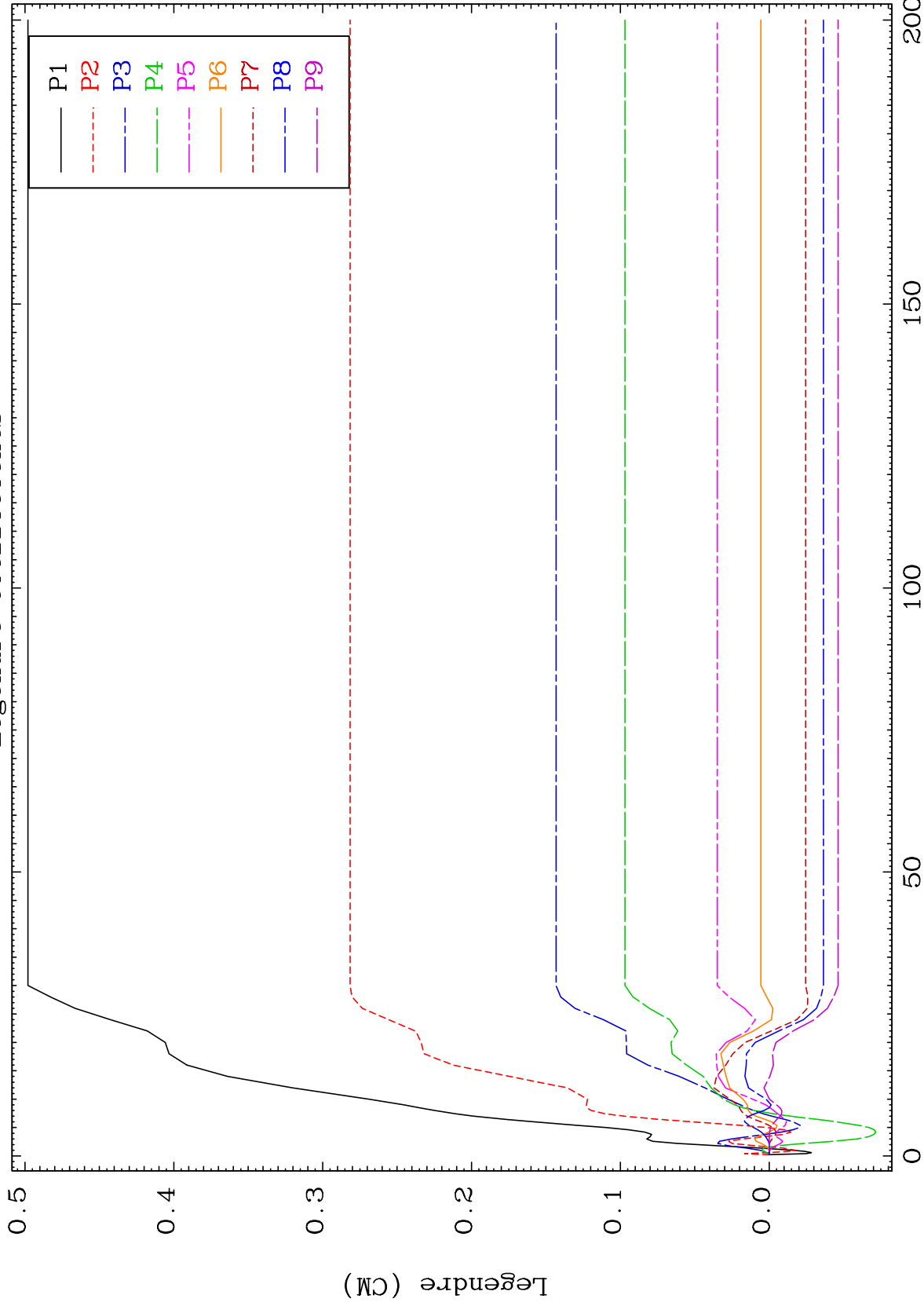




MAT 5334

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

53-I -130



72

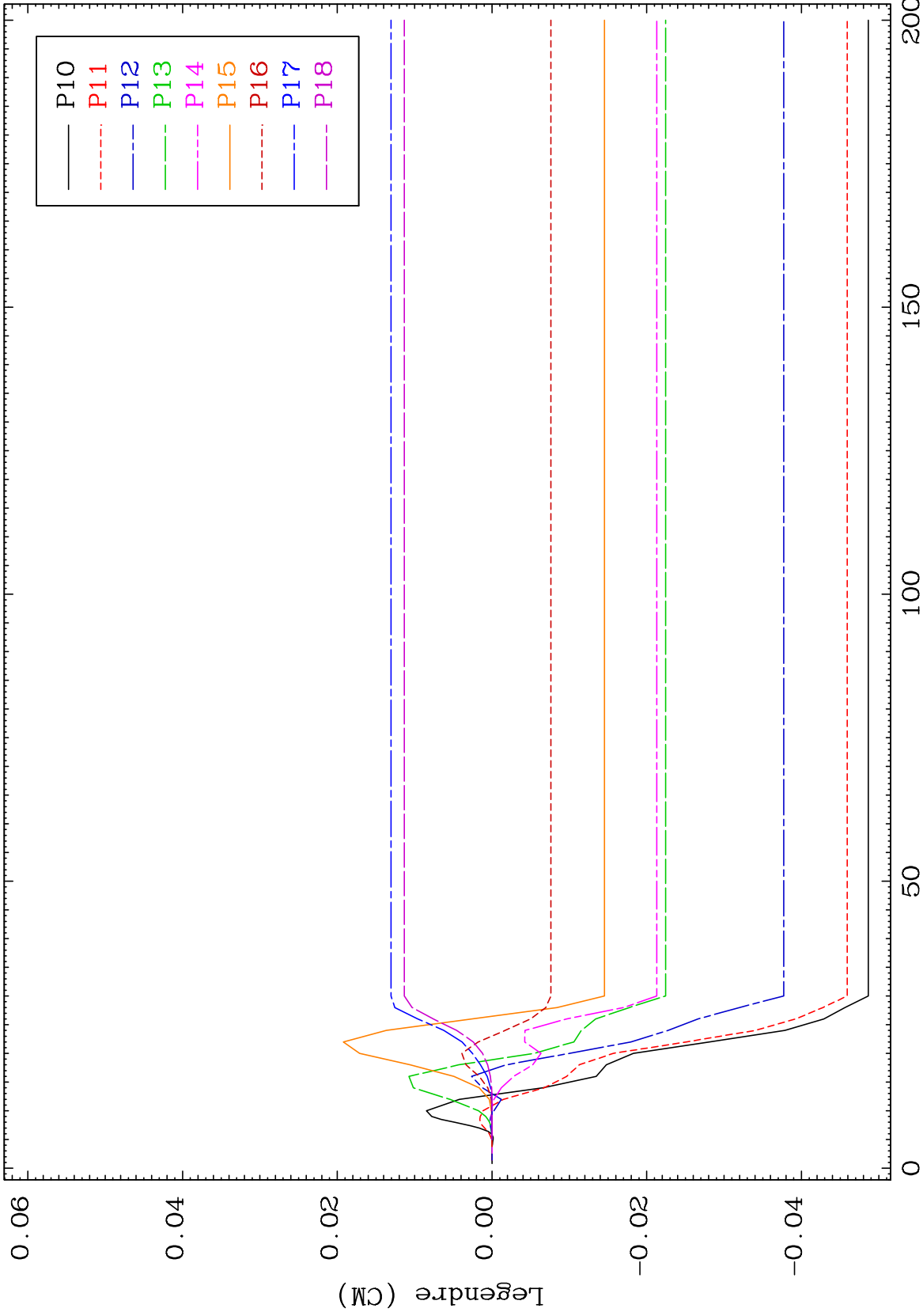
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



73

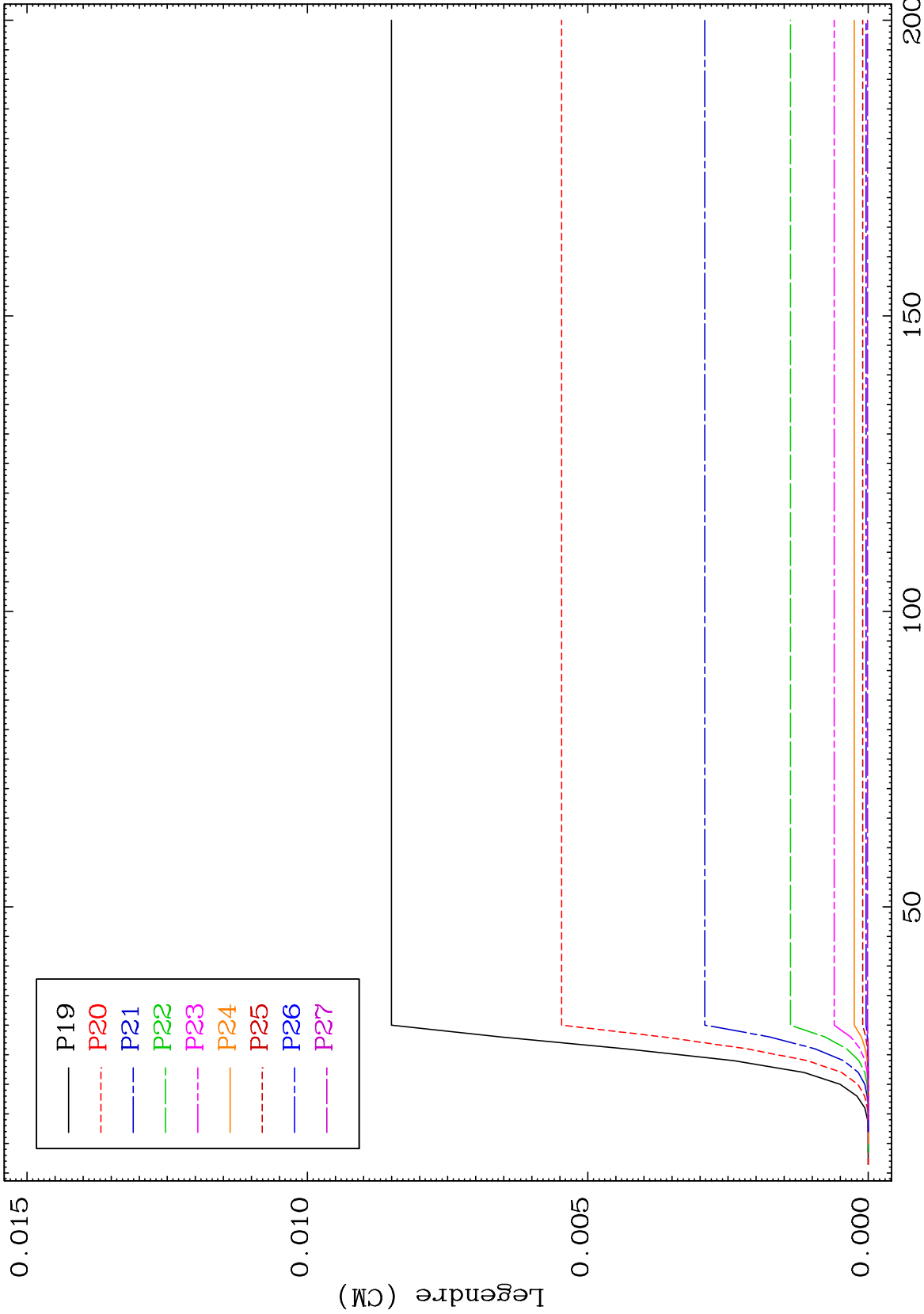
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



74

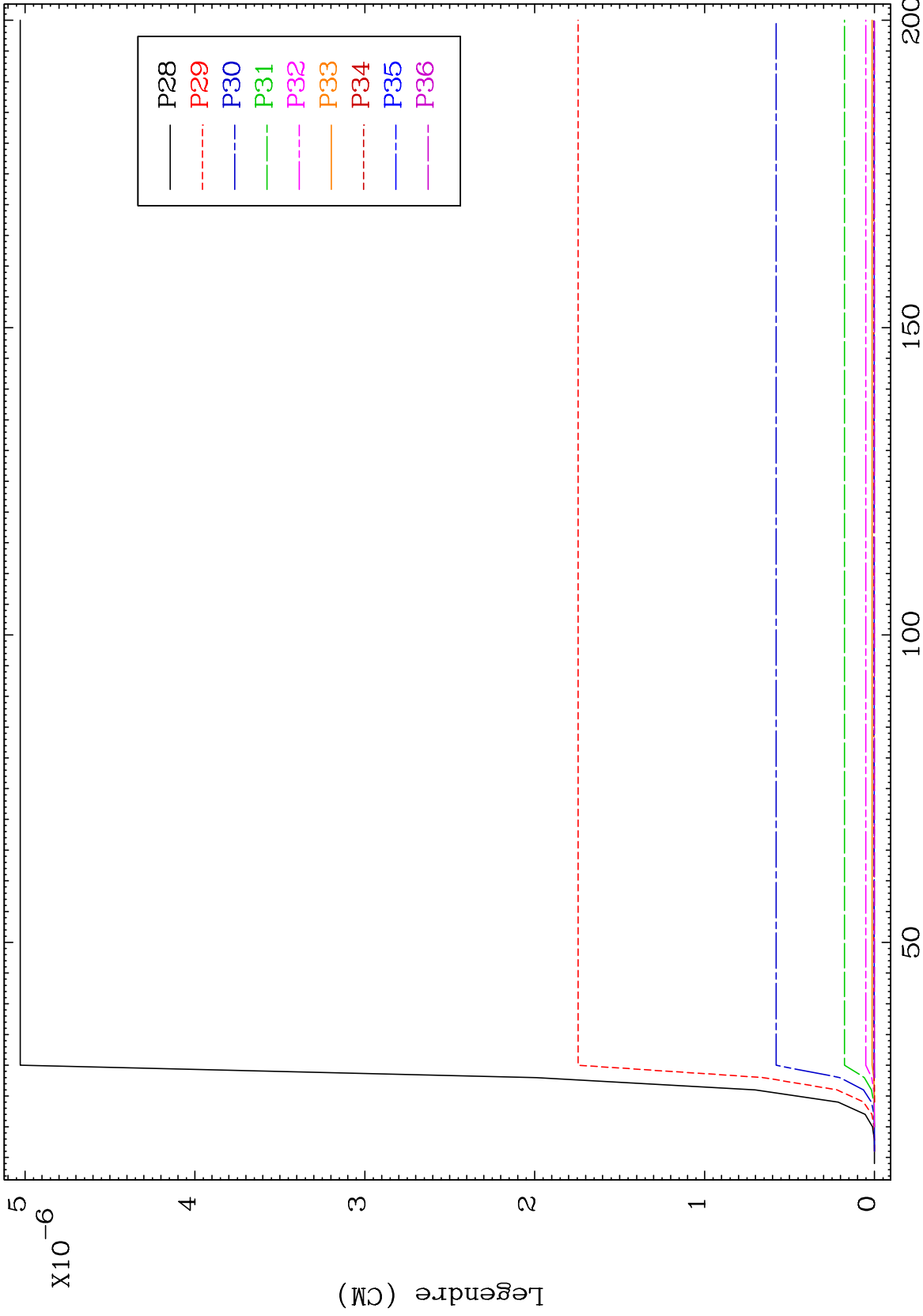
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



75

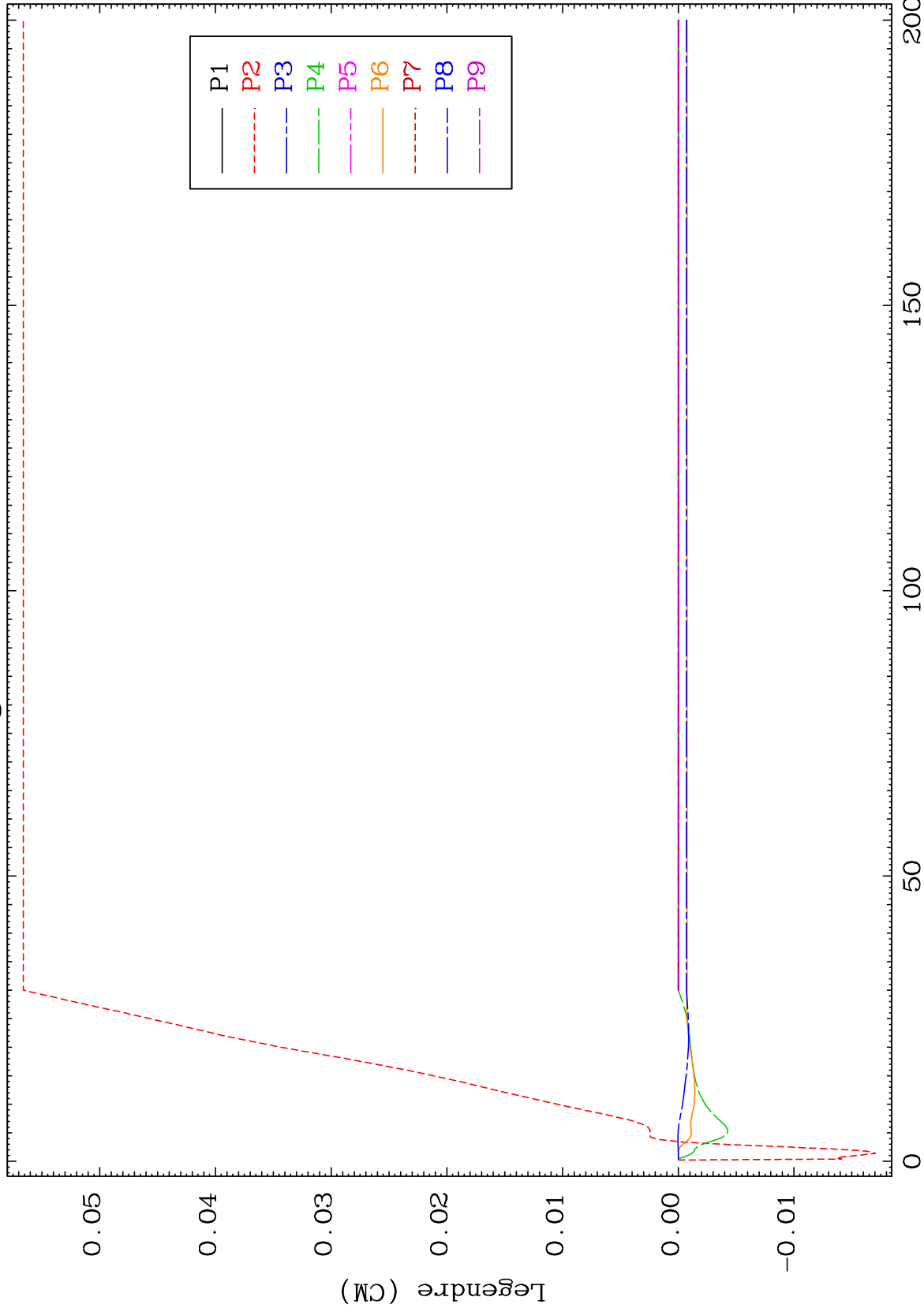
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



76

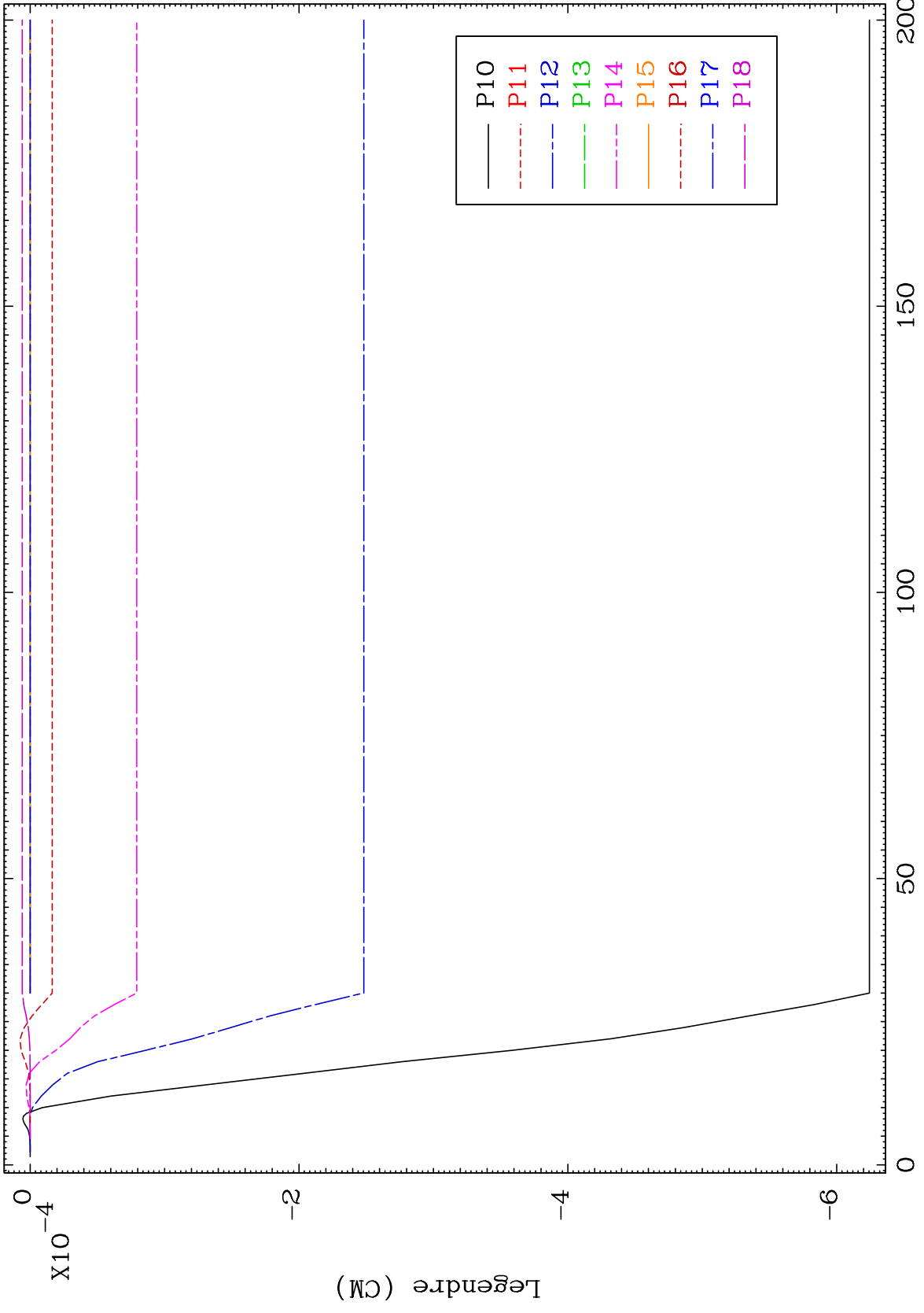
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



77

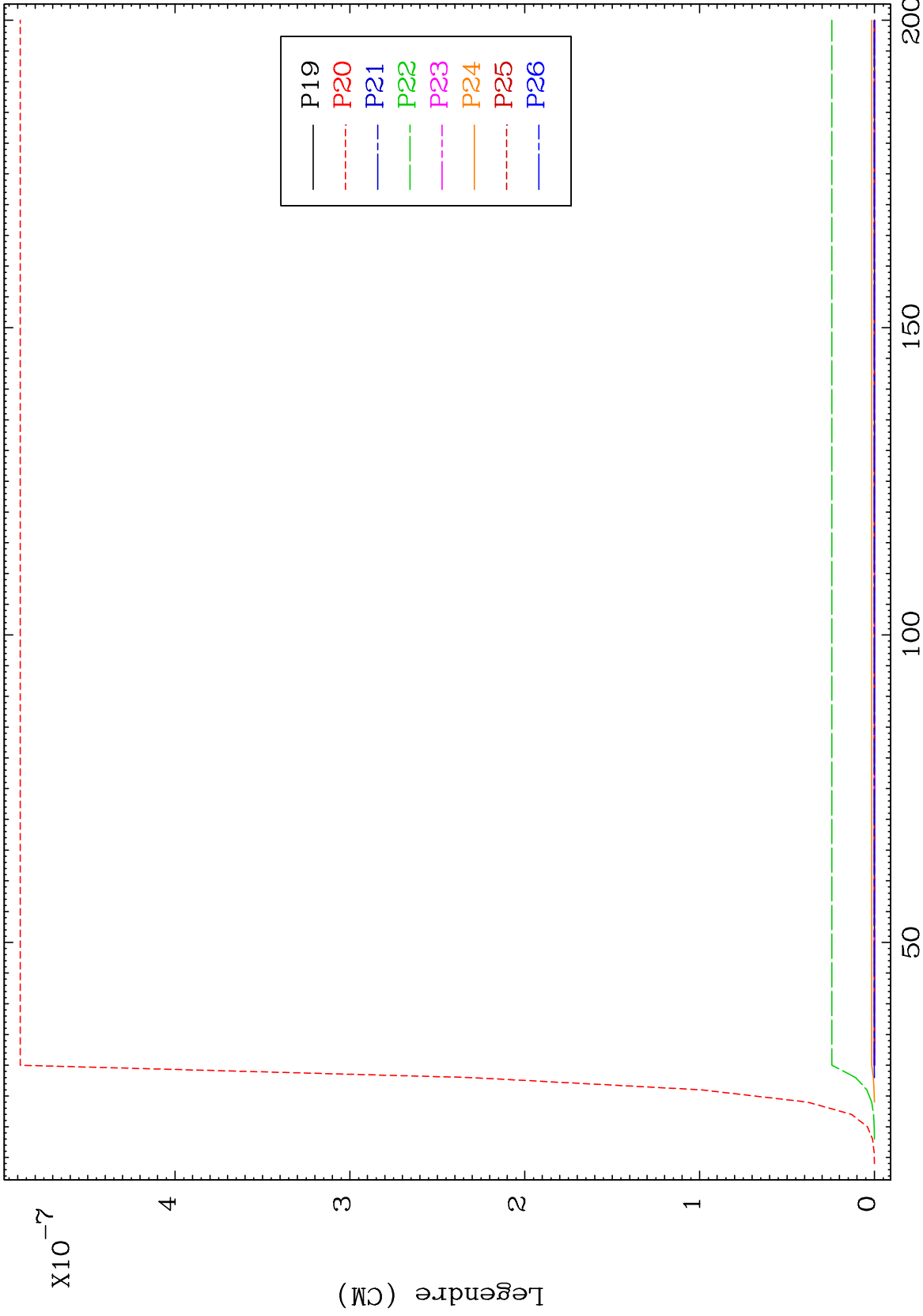
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



78

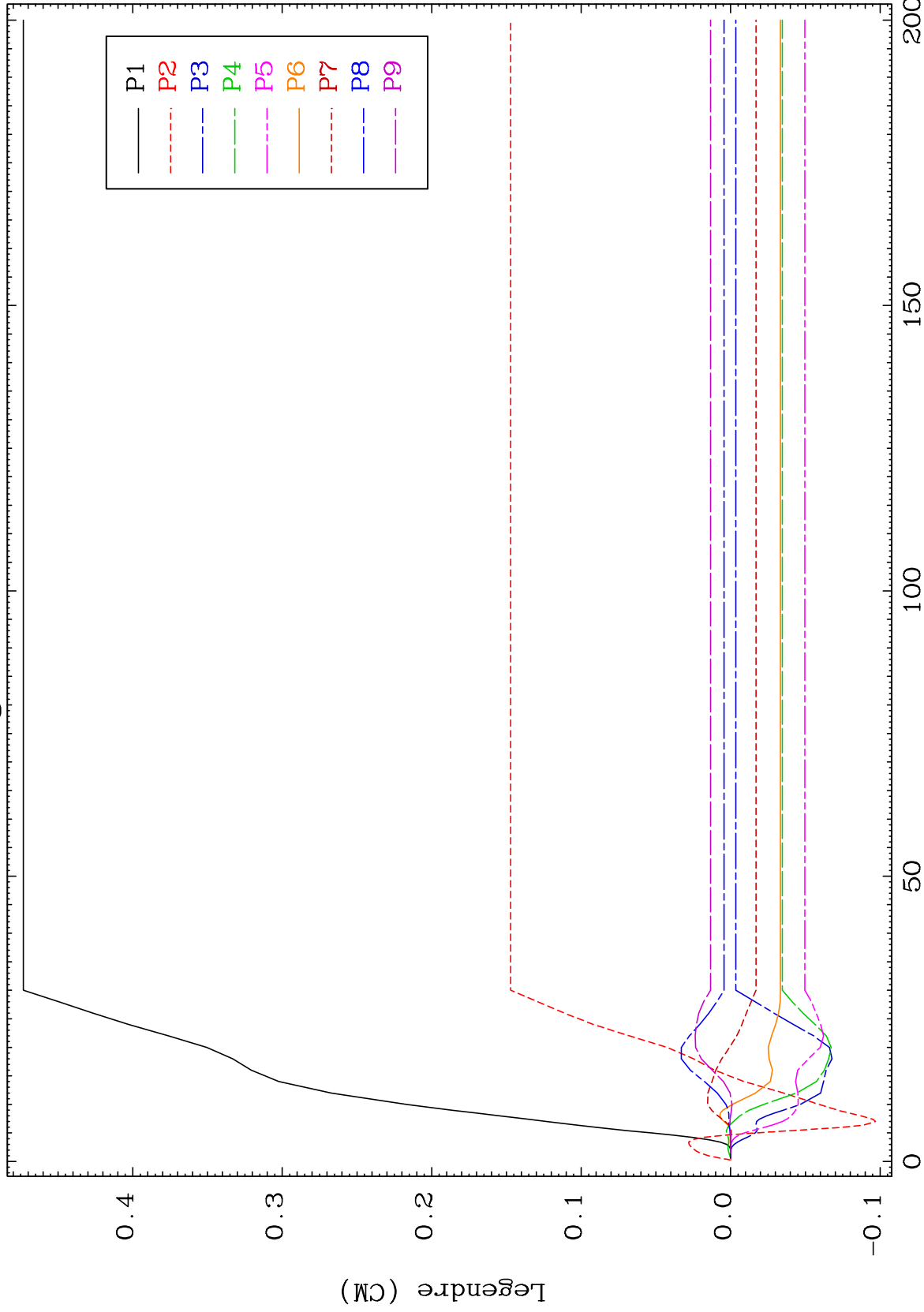
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



79

Incident Energy (MeV)

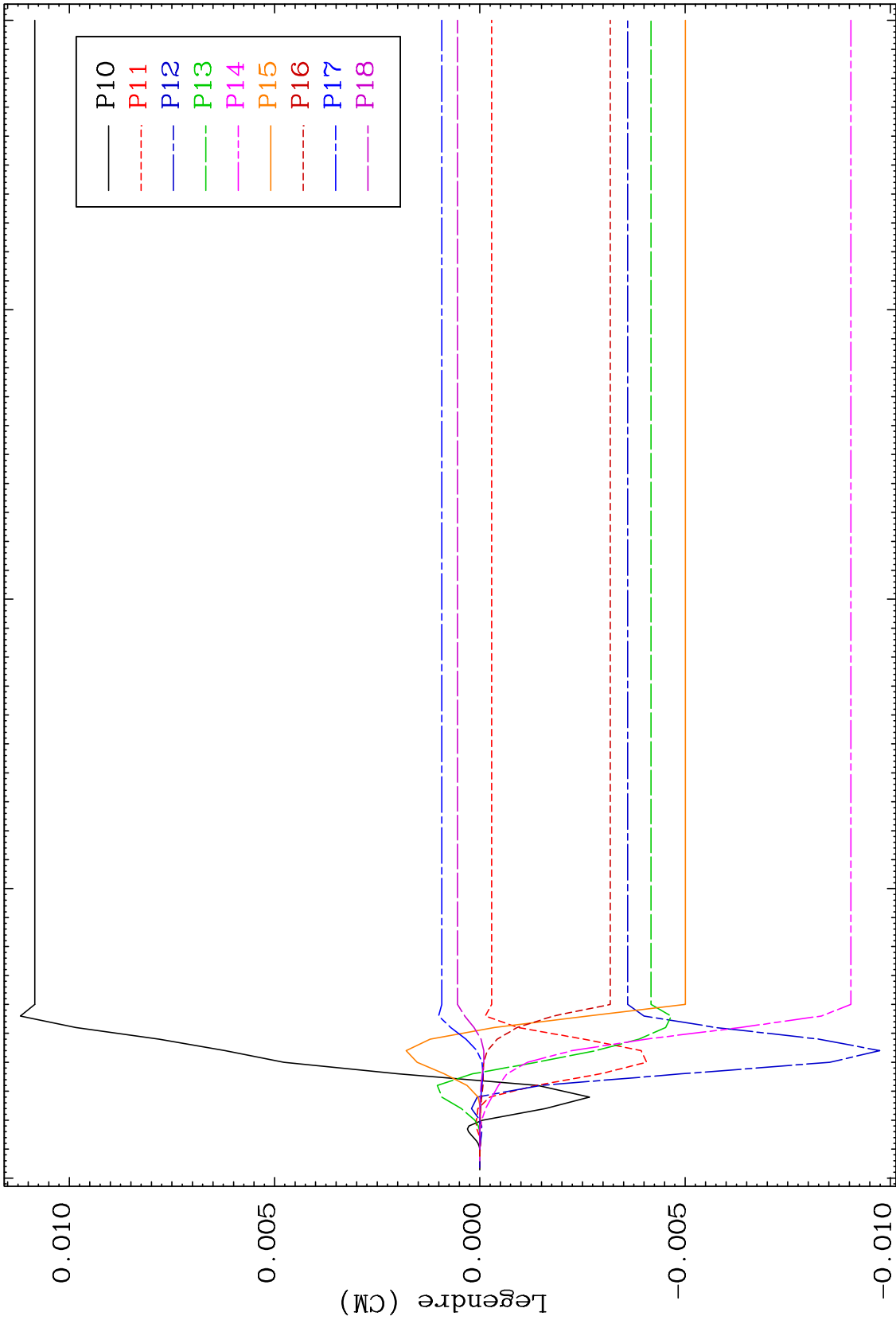
53-I -130



MAT 5334

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

53-I -130



80

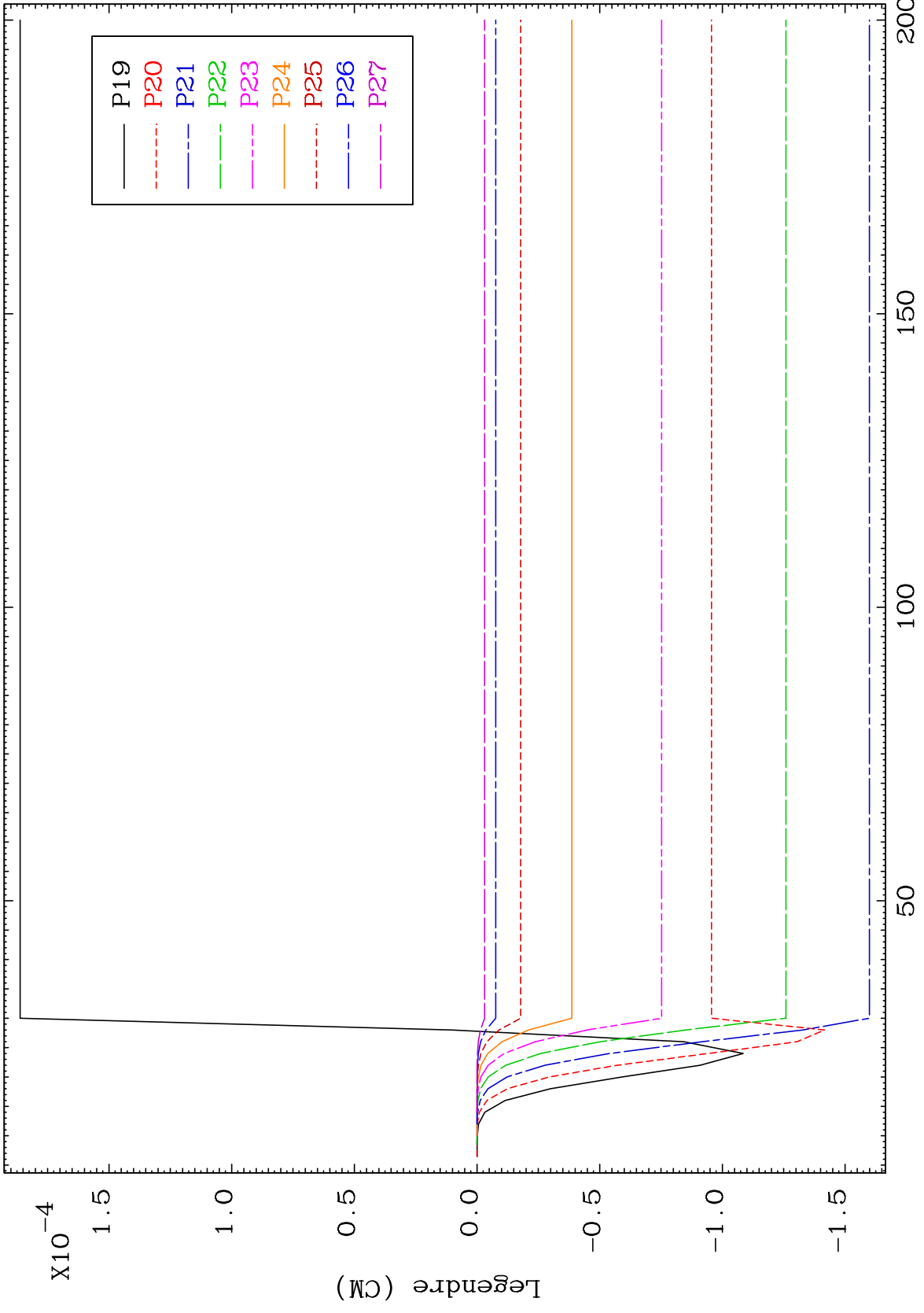
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130

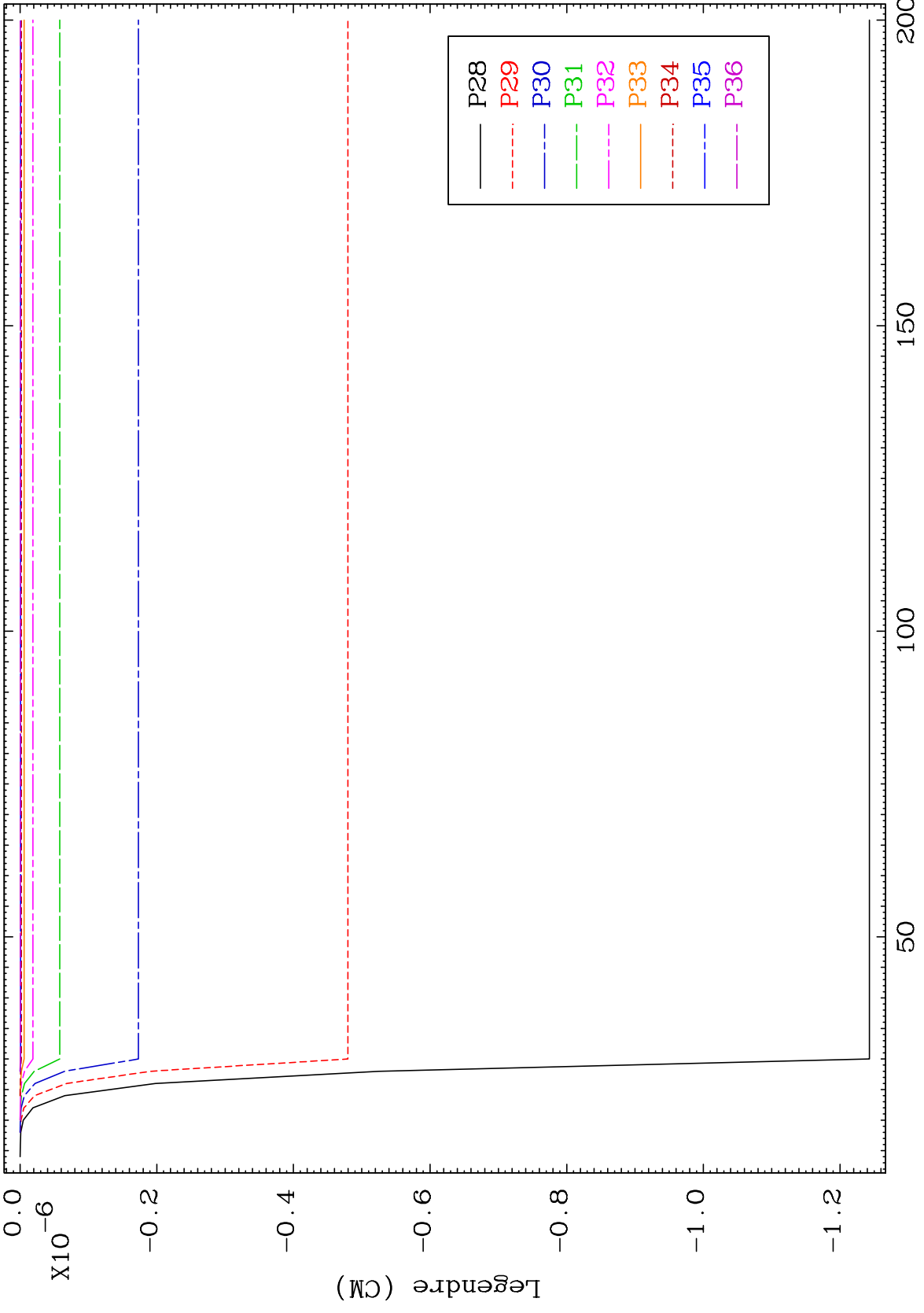


81

Incident Energy (MeV)

53-I -130

MAT 5334 MT= 68 (n,n') Level Legendre Coefficients 53-I -130

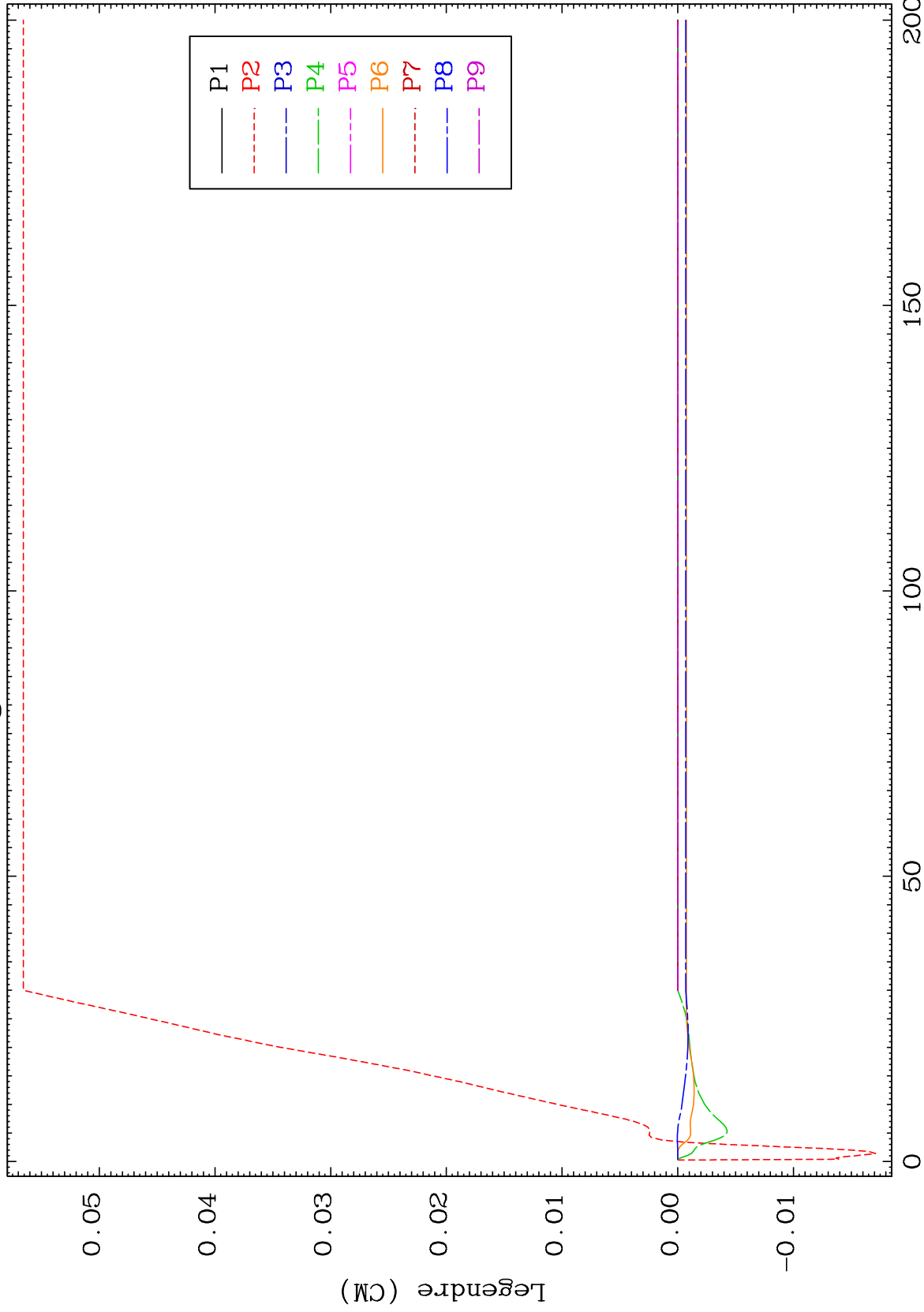


82 53-I -130

MAT 5334

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

53-I -130



83

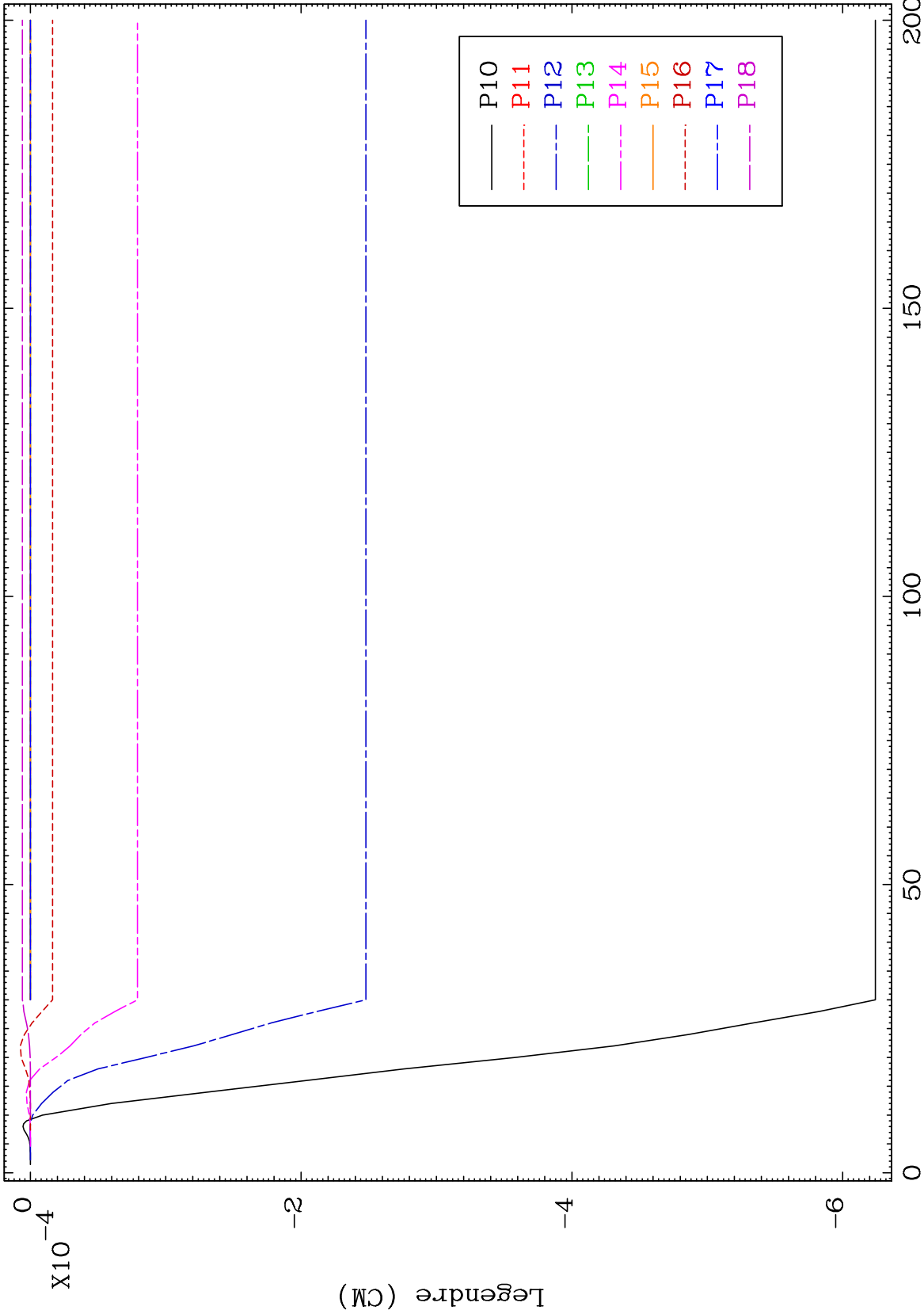
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



84

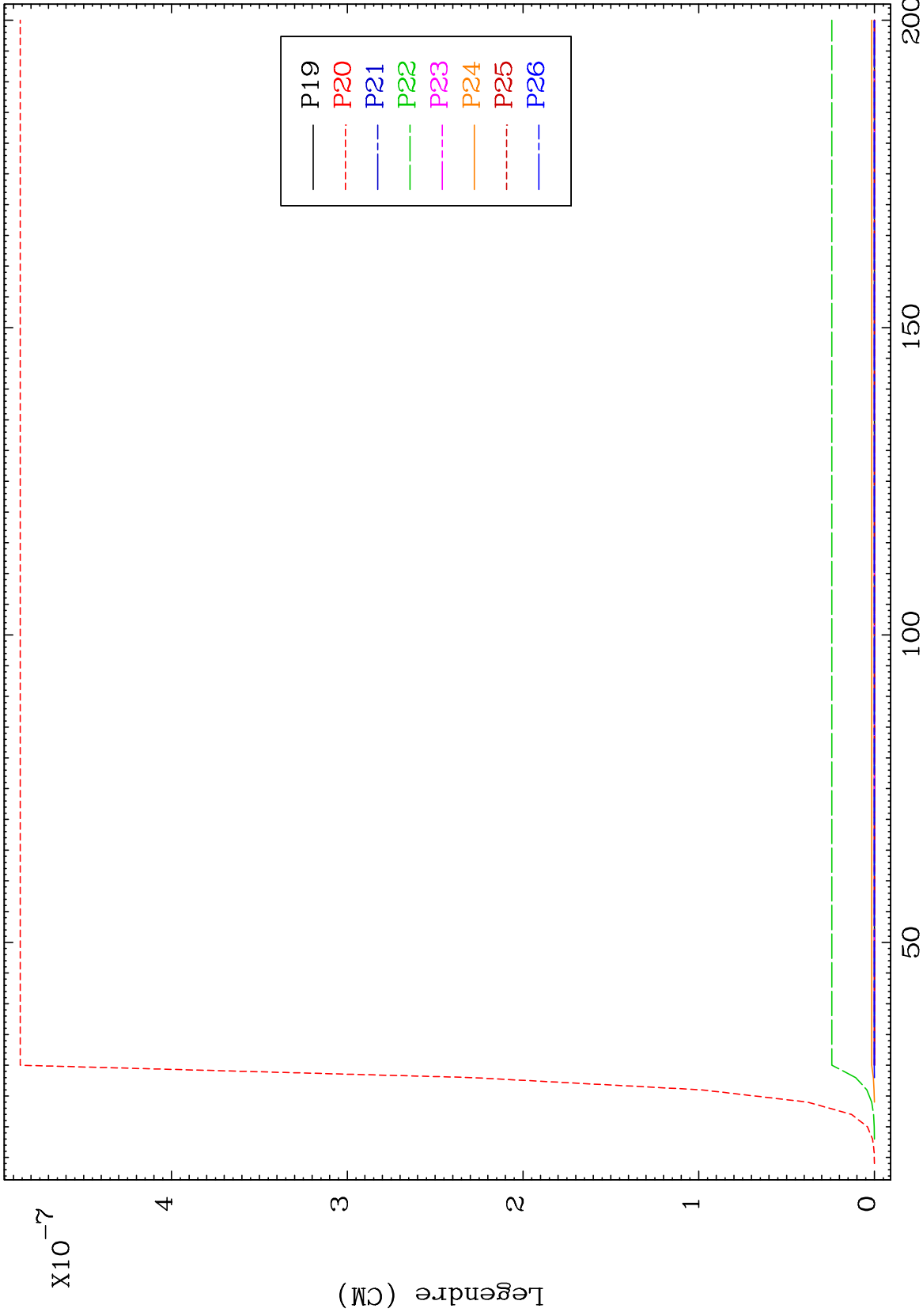
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



85

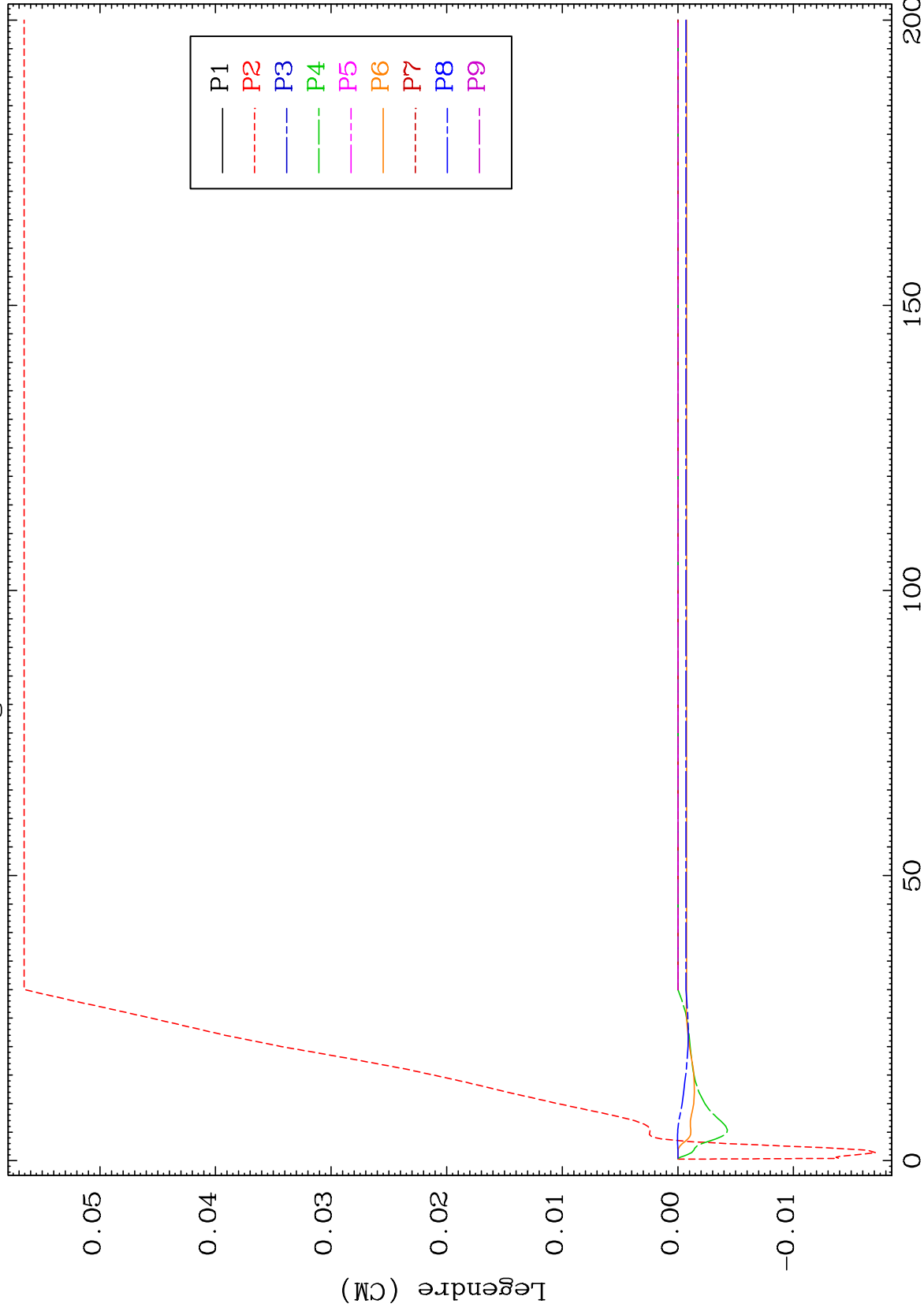
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



86

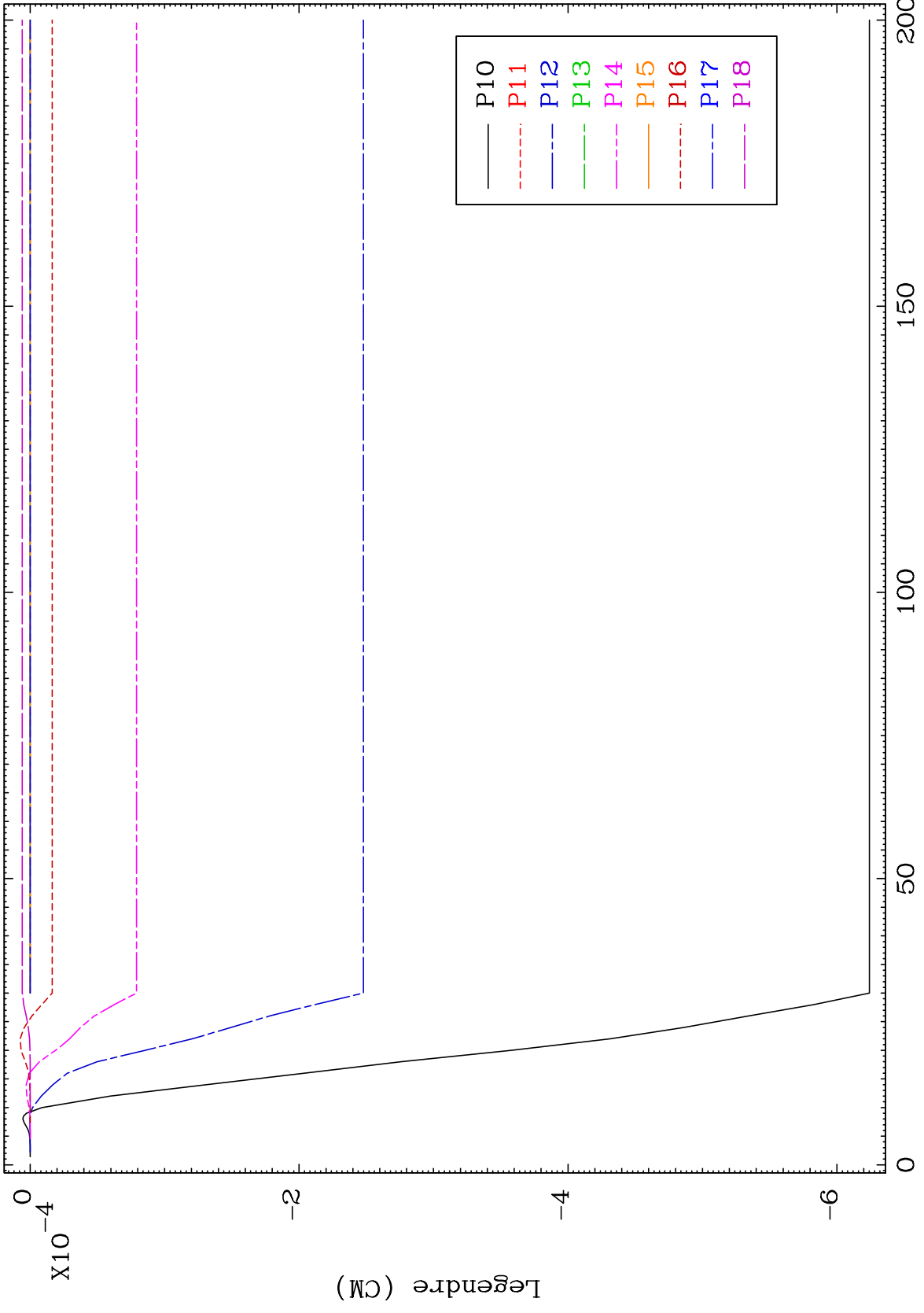
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



87

Incident Energy (MeV)

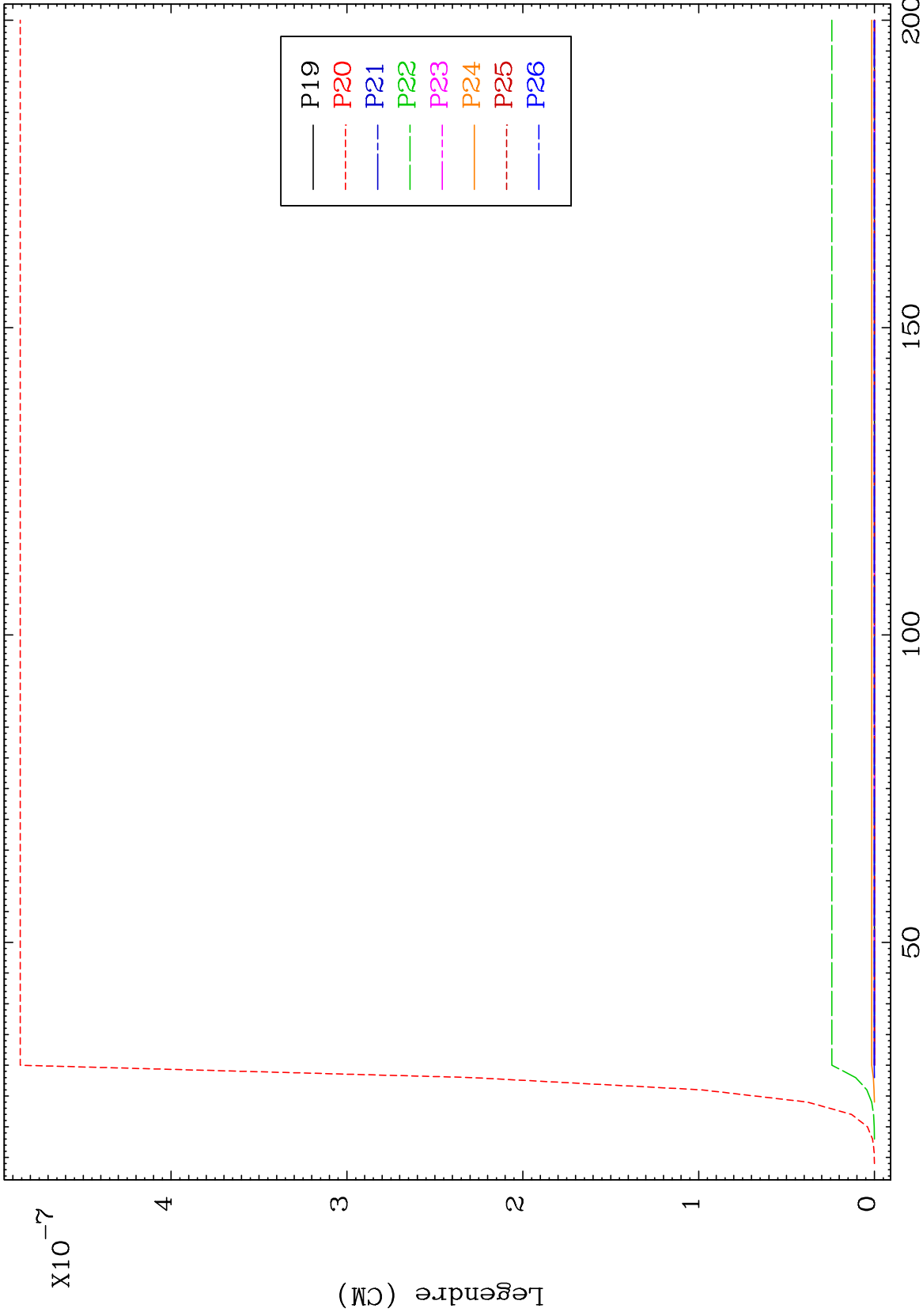
53-I -130



MAT 5334

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

53-I -130



88

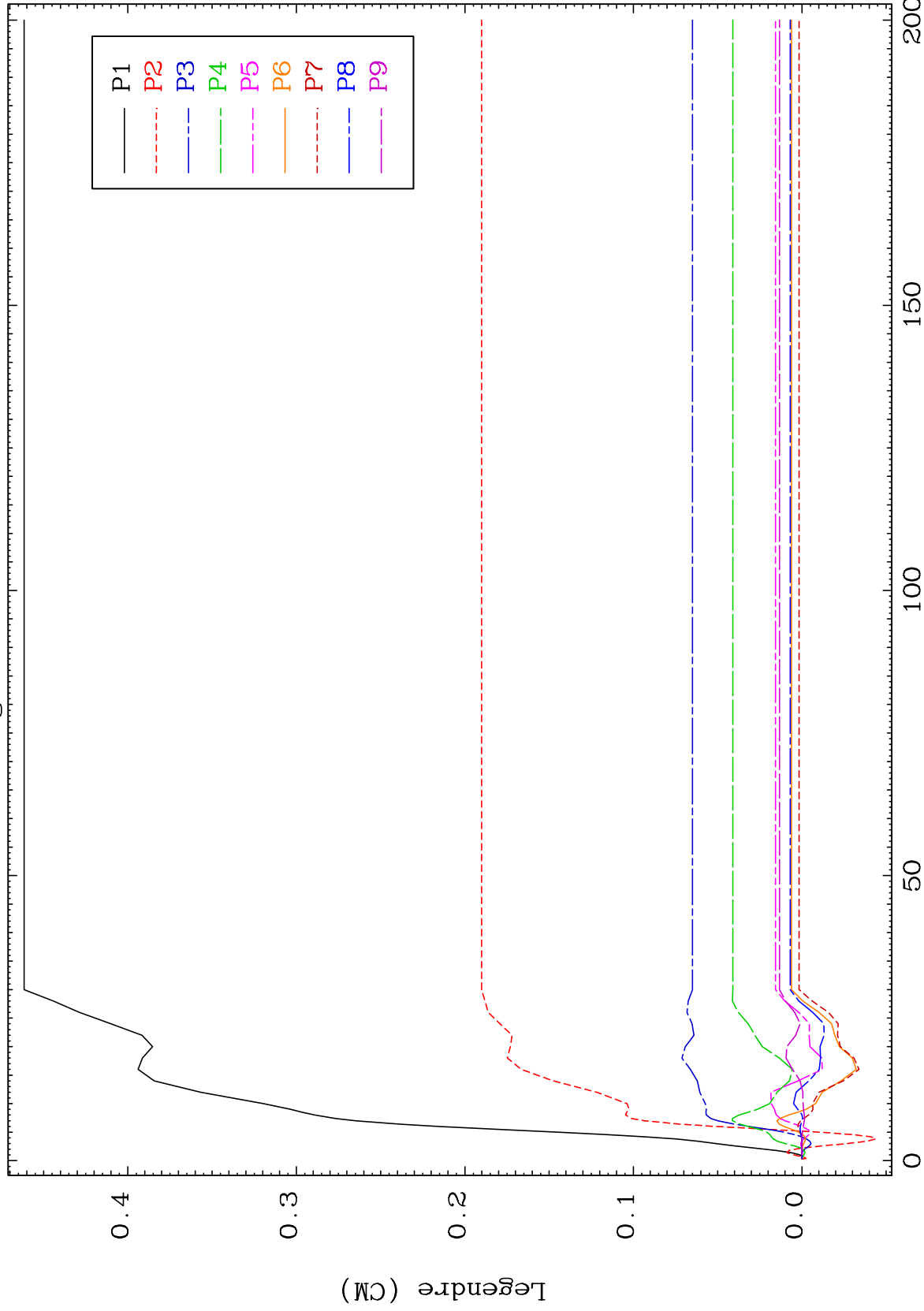
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



89

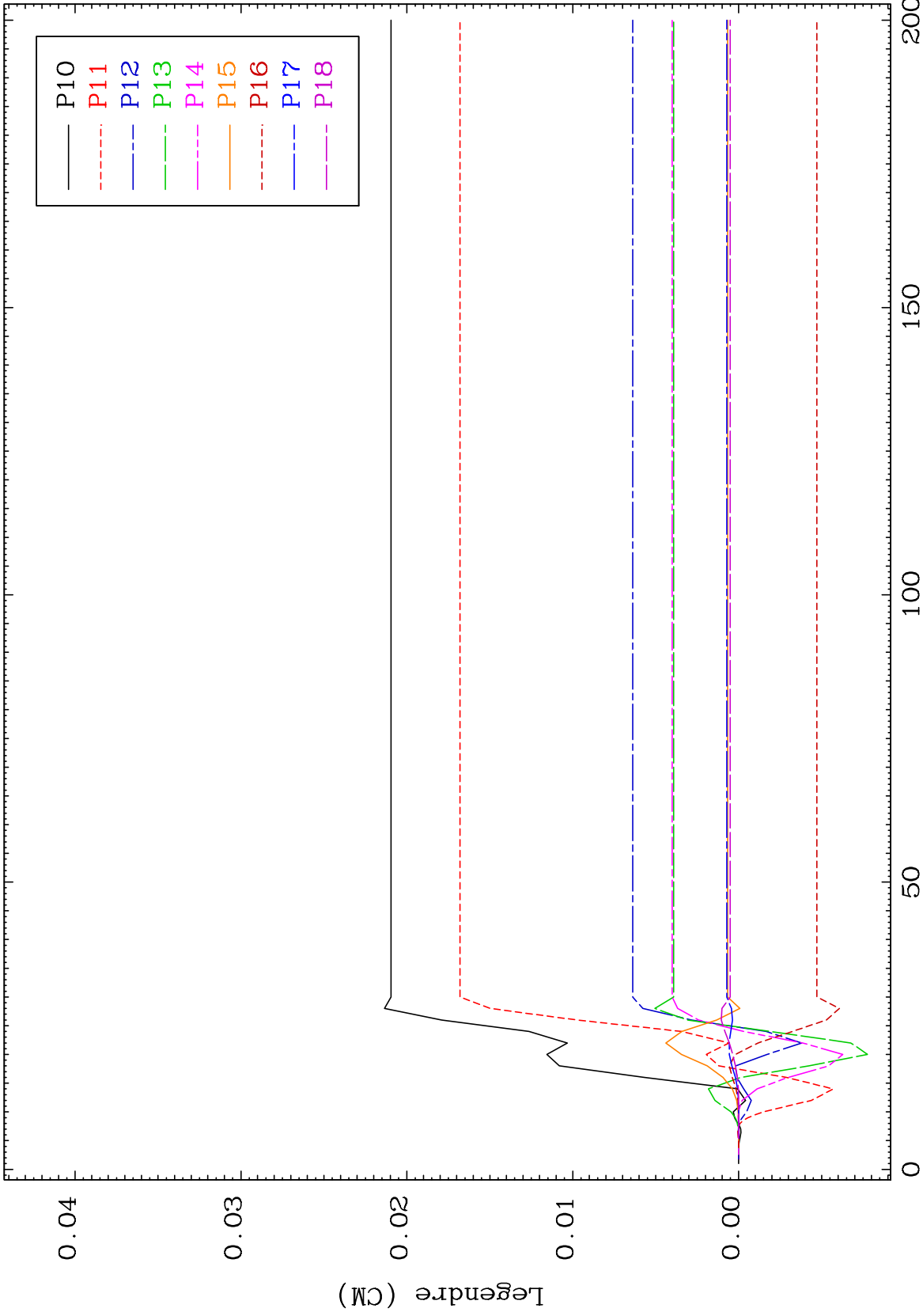
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



90

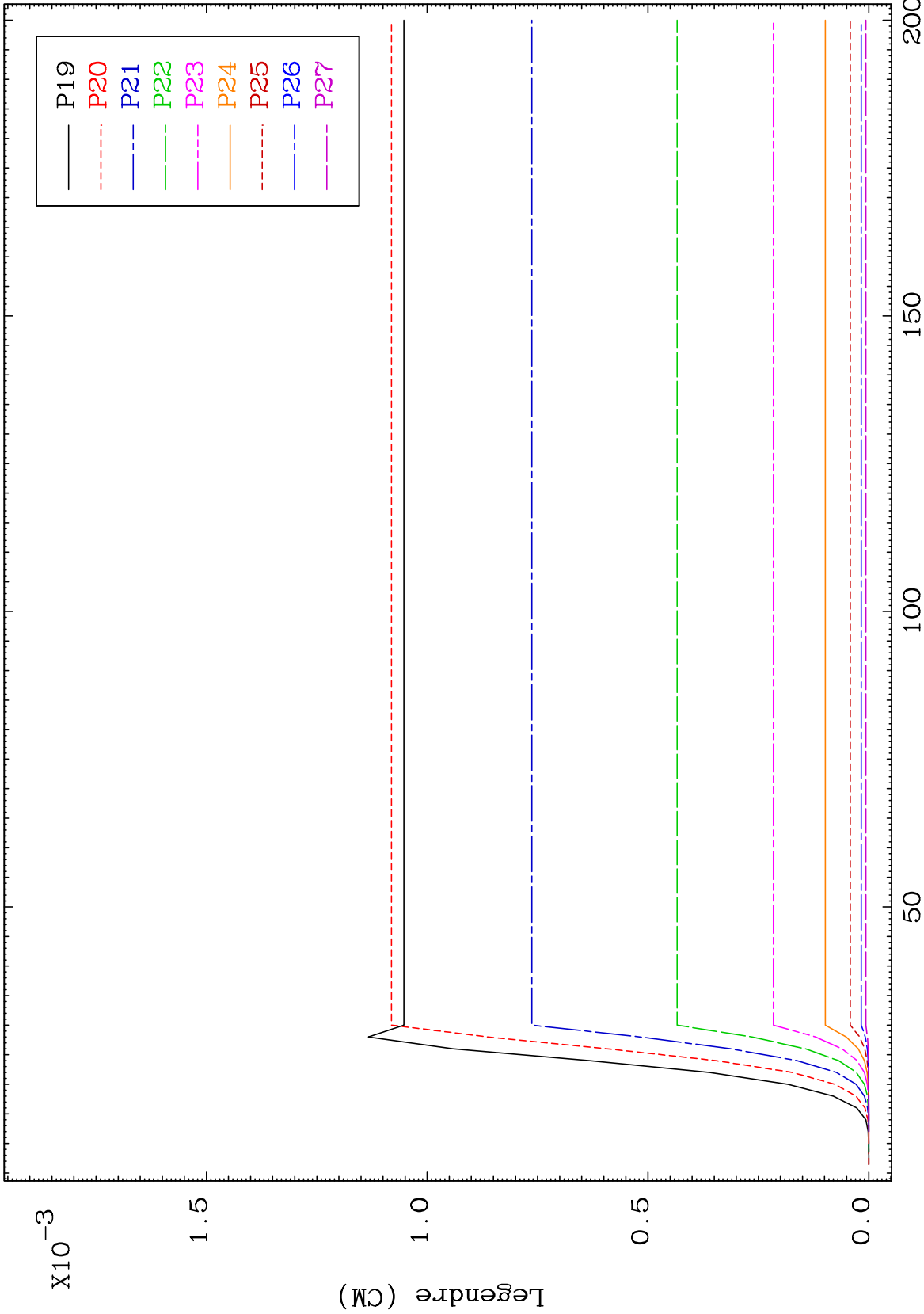
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



91

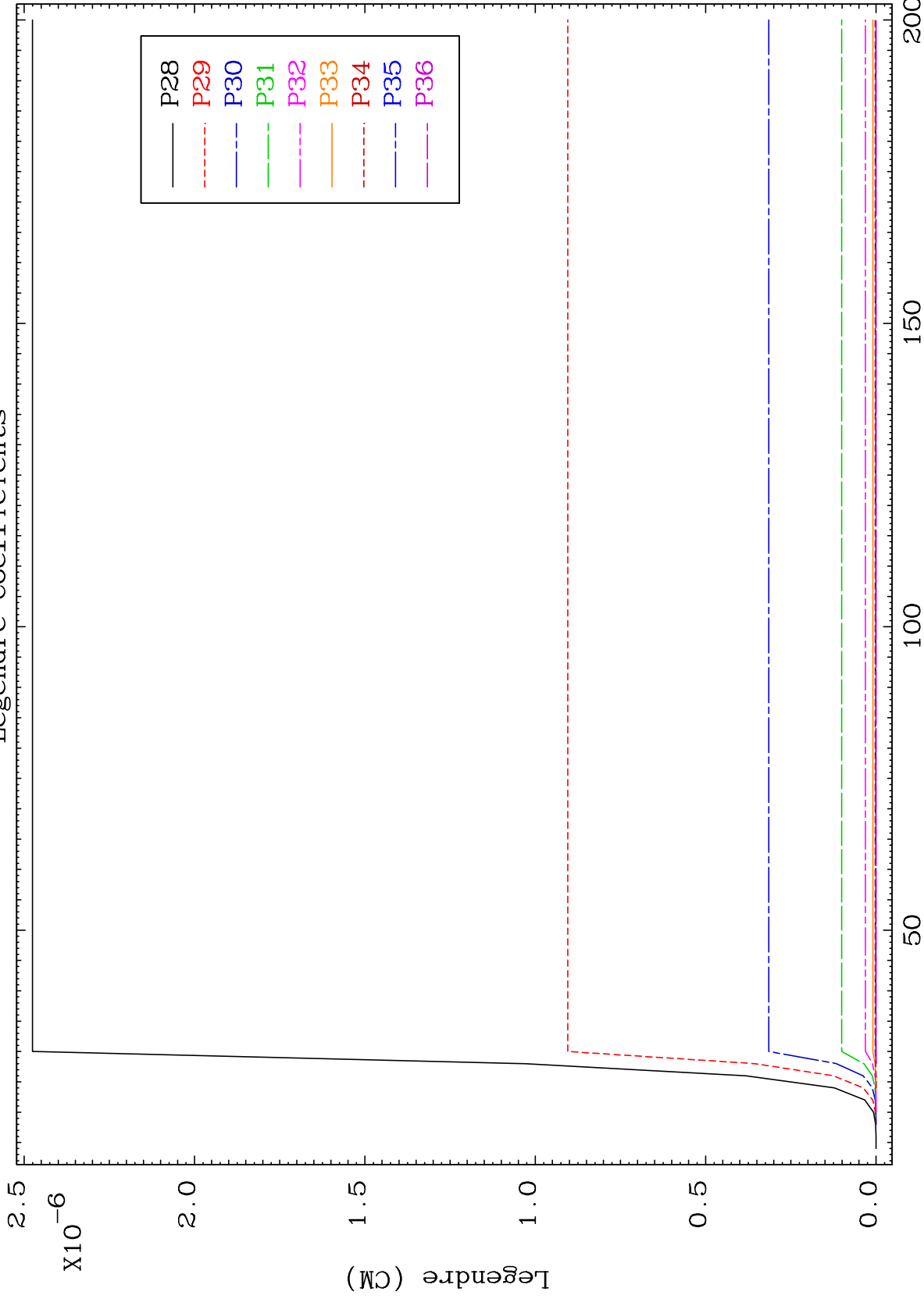
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



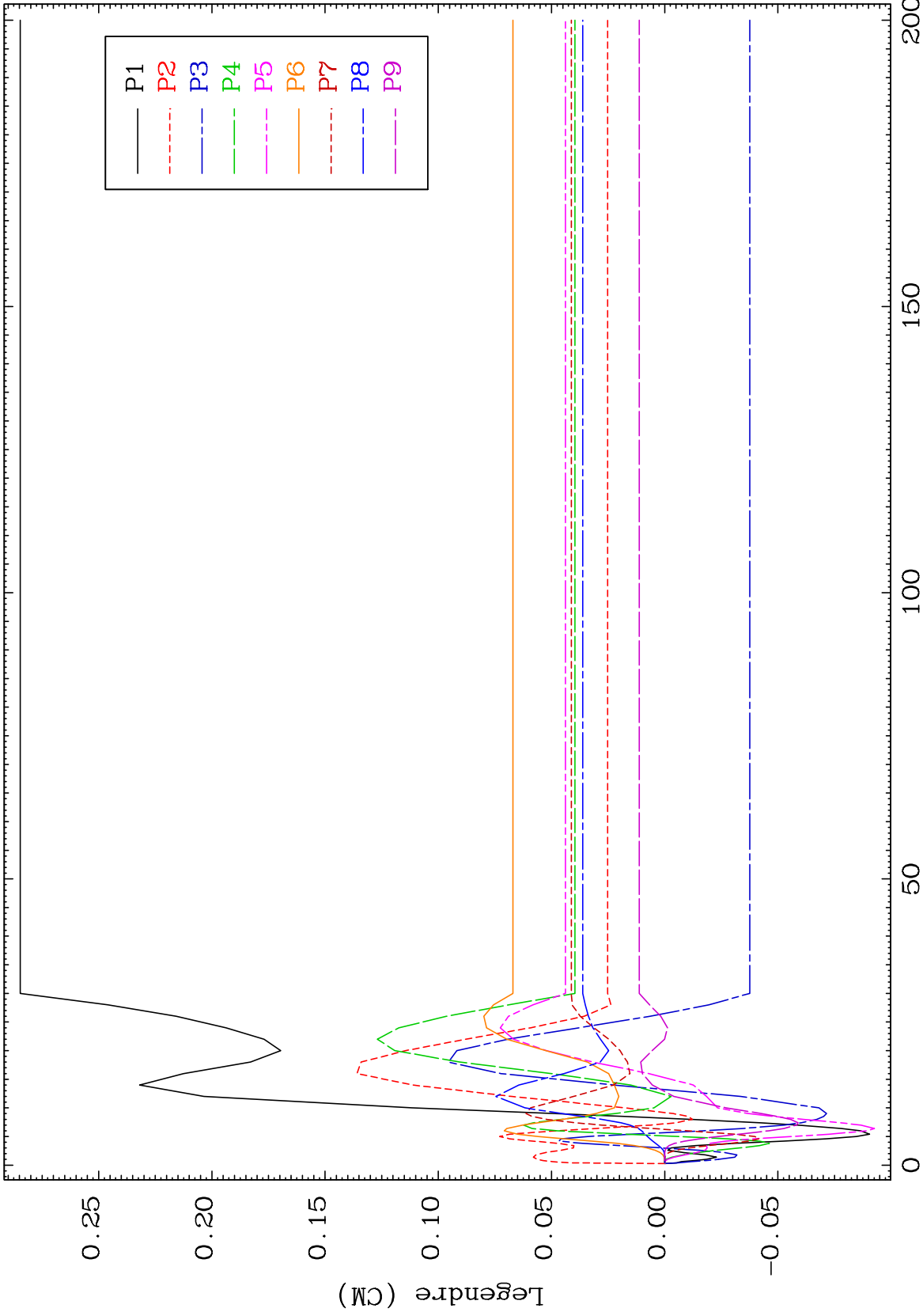
92

53-I -130

MAT 5334

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

53-I -130



93

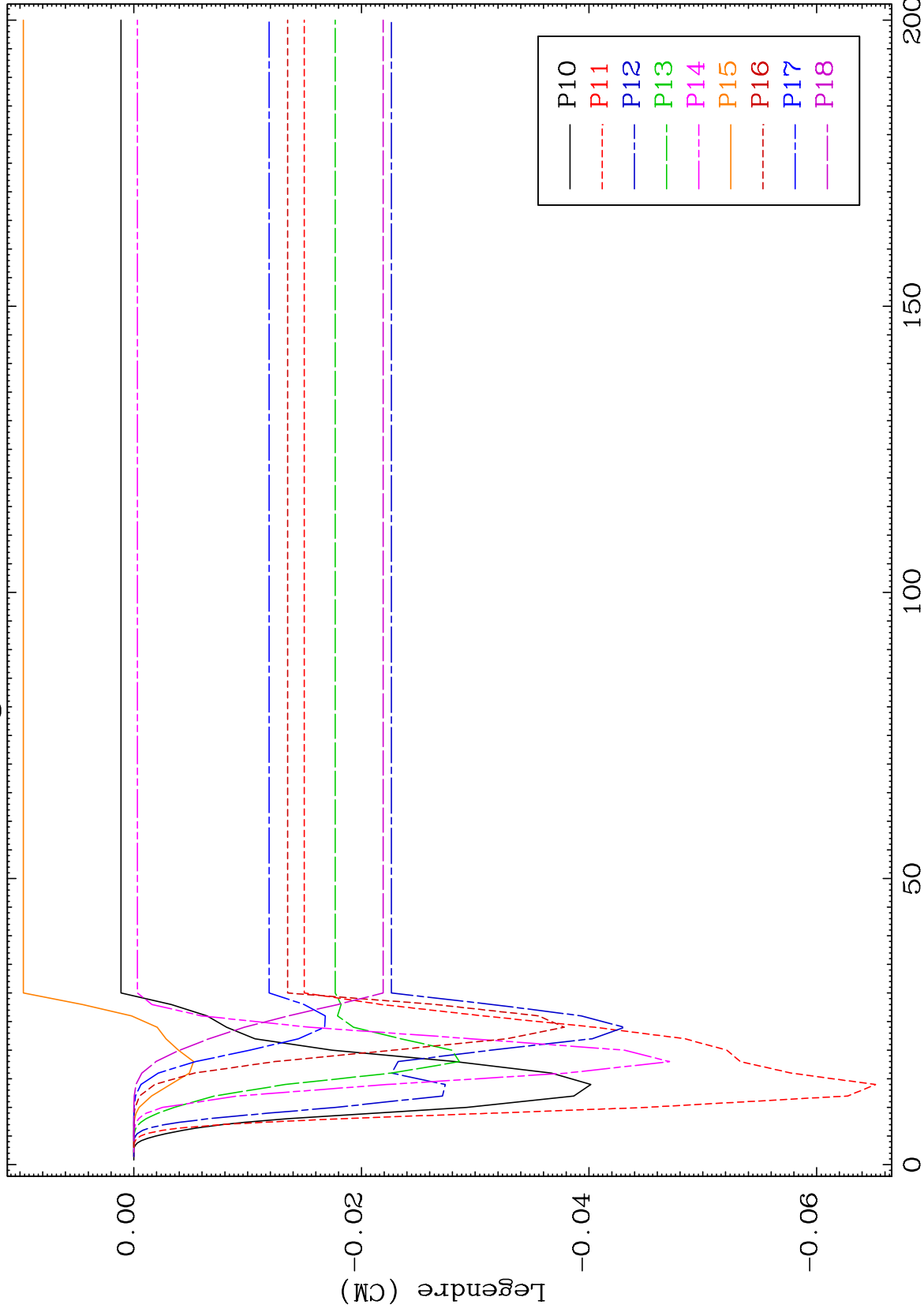
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130

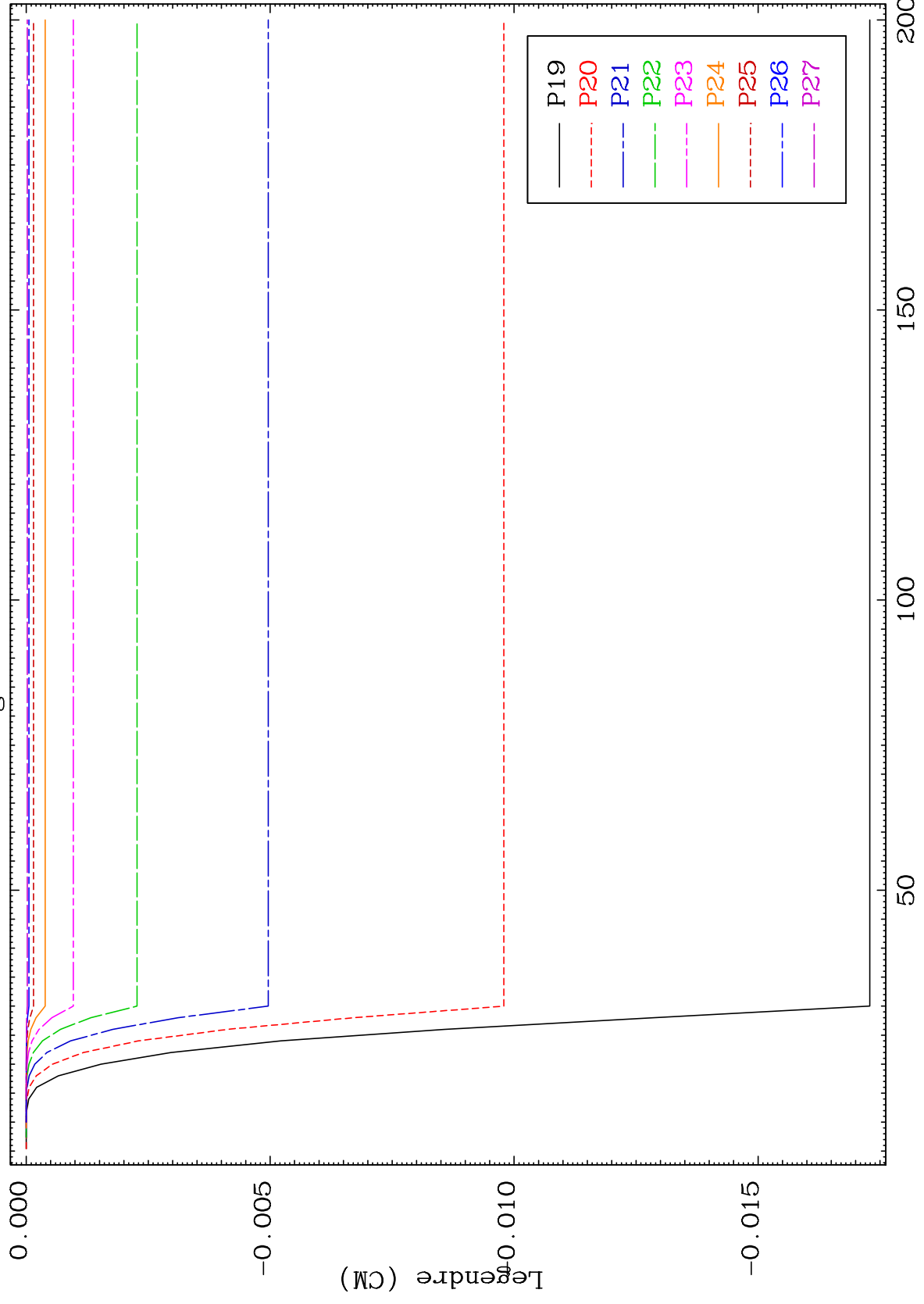


94

Incident Energy (MeV)

53-I -130

MAT 5334 MT= 72 (n,n') Level Legendre Coefficients 53-I -130



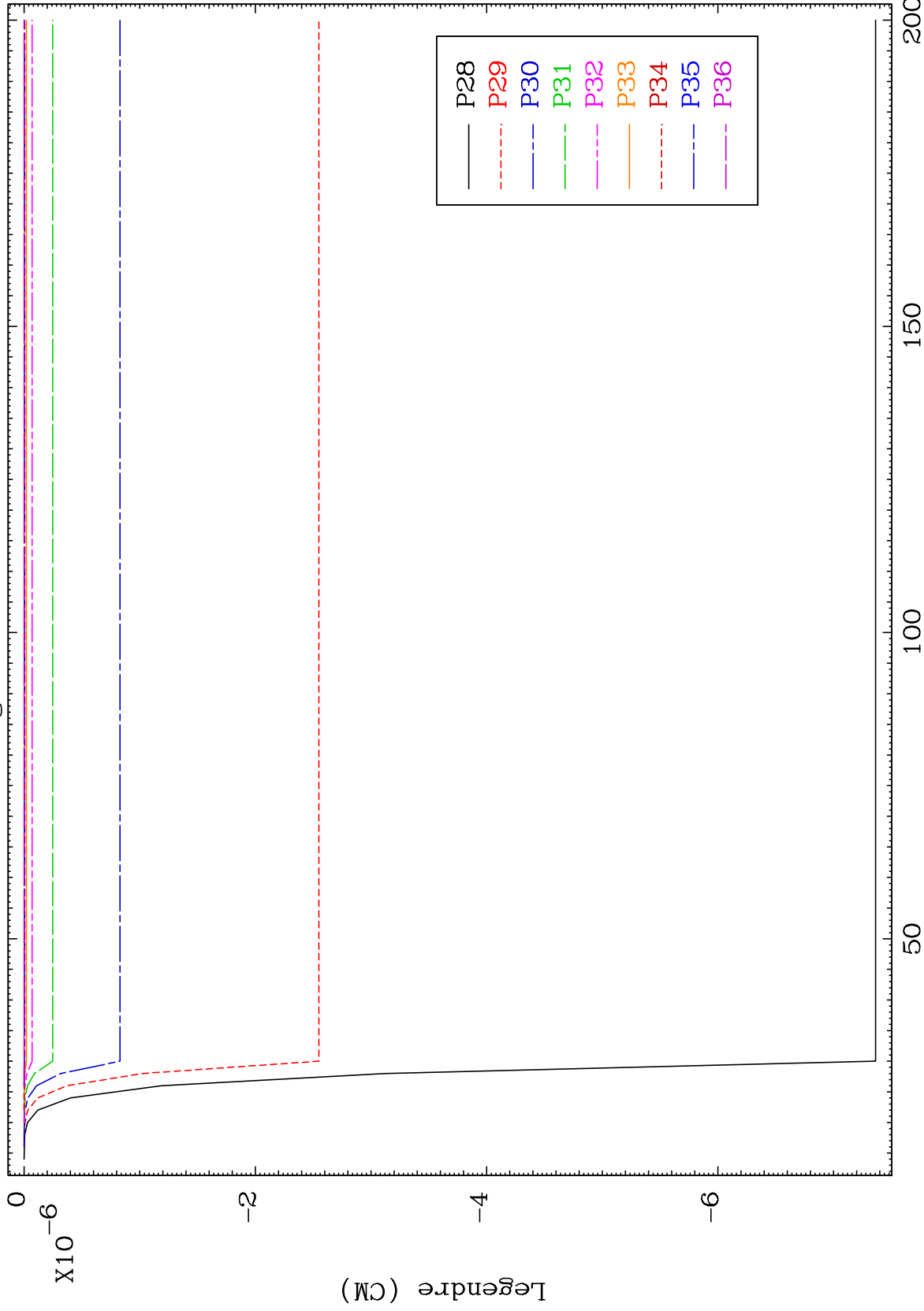
95 53-I -130



MAT 5334

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

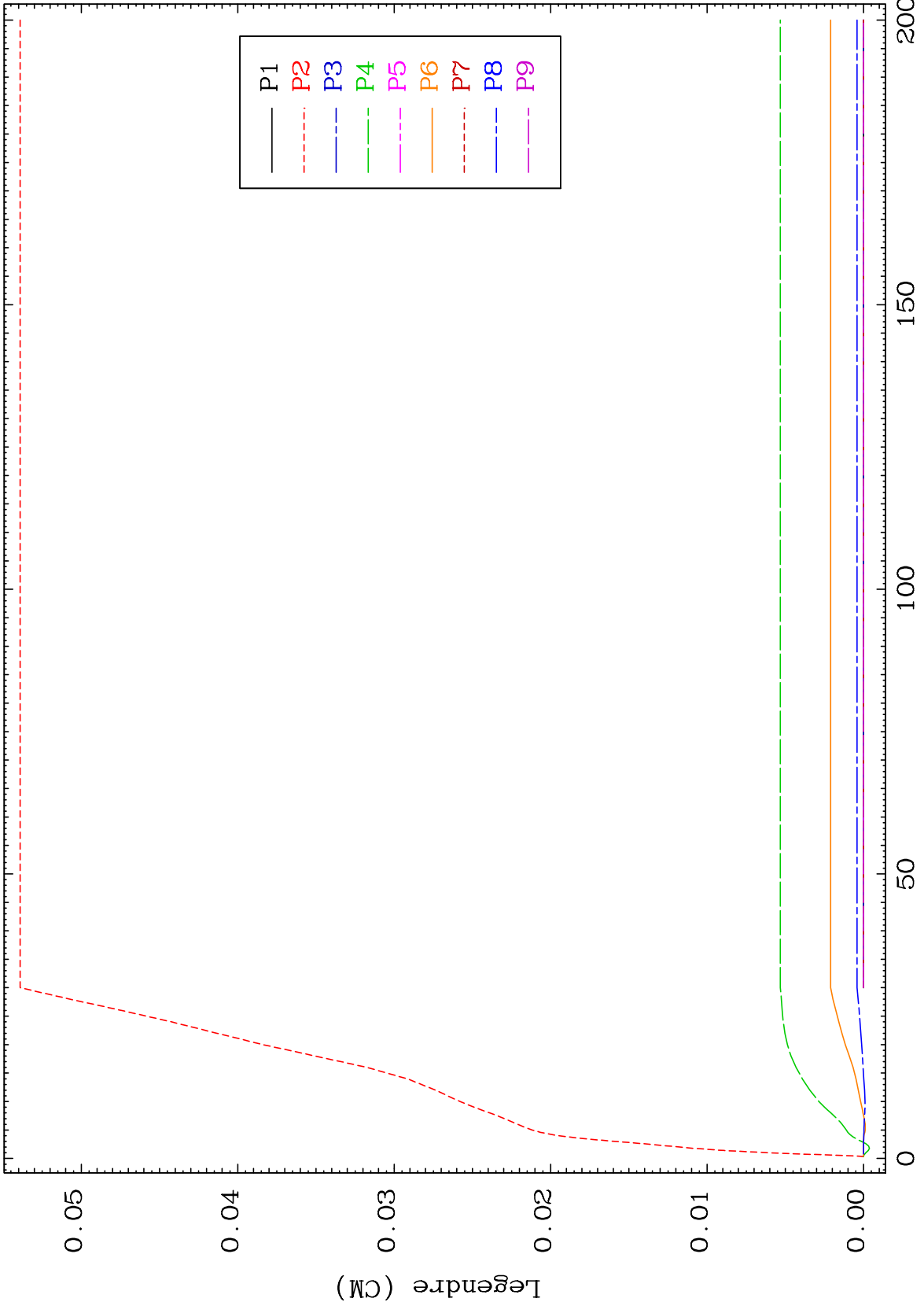
53-I -130



MAT 5334

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

53-I -130



97

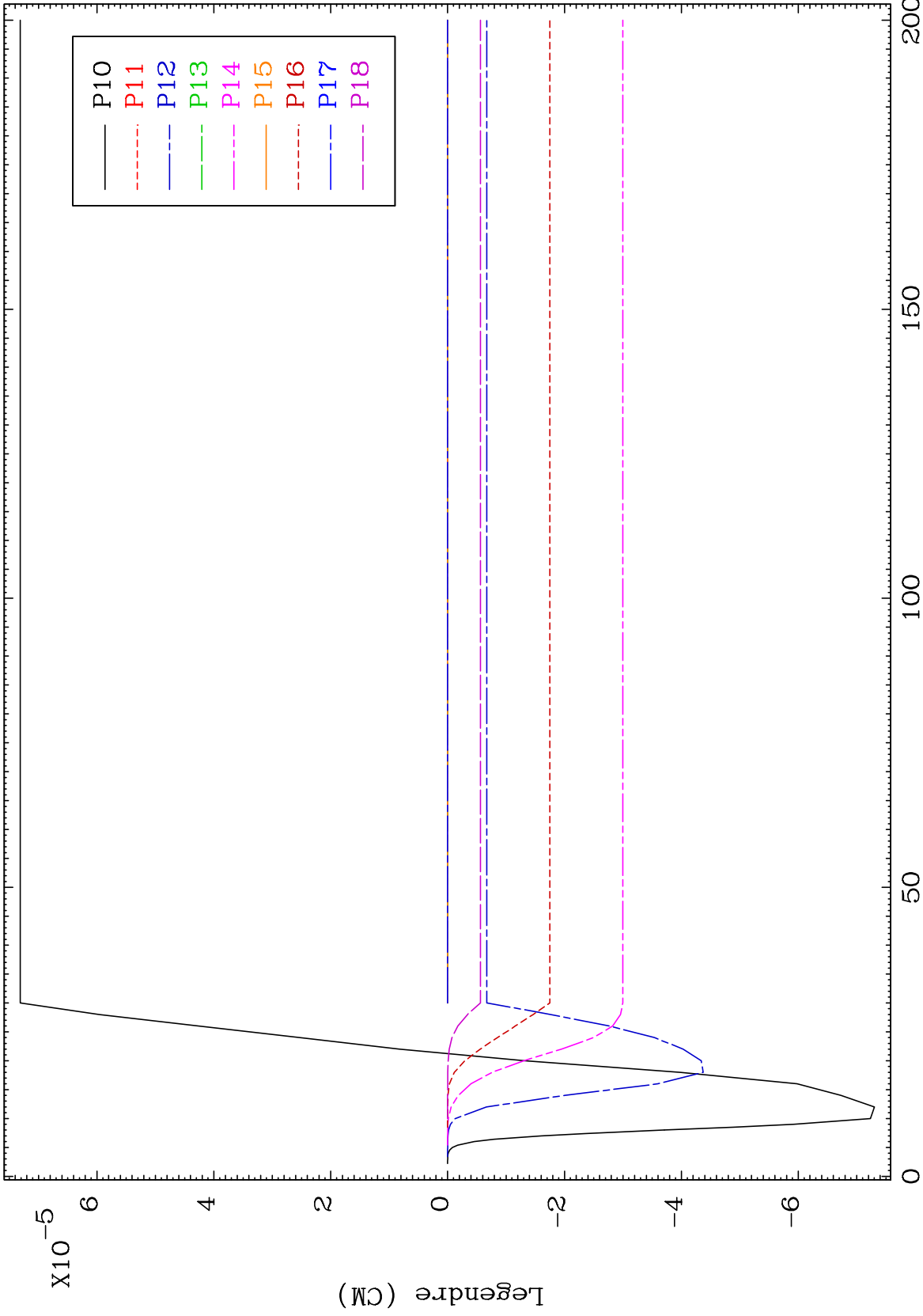
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



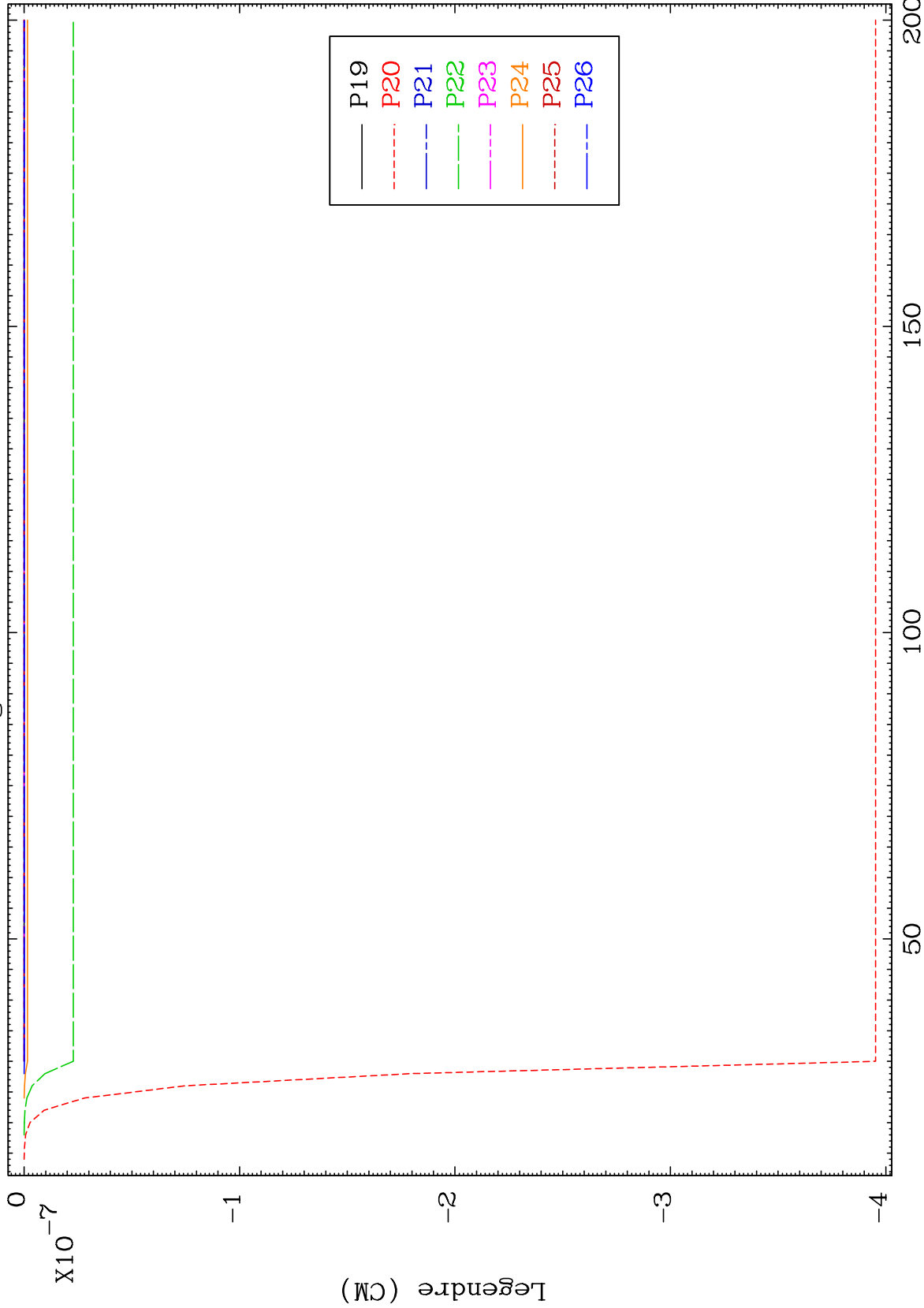
98

53-I -130

MAT 5334

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

53-I -130



99

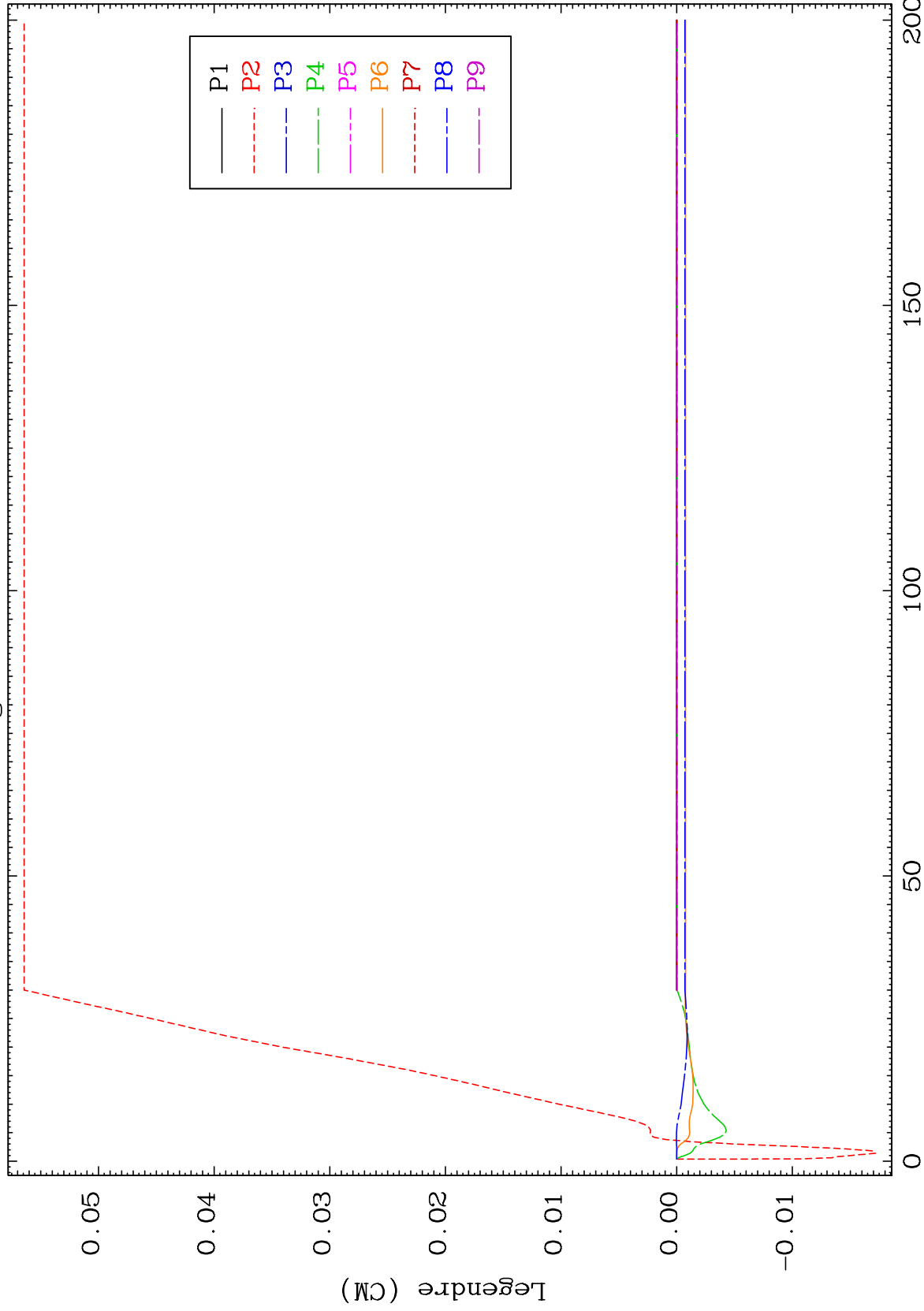
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



53-I -130

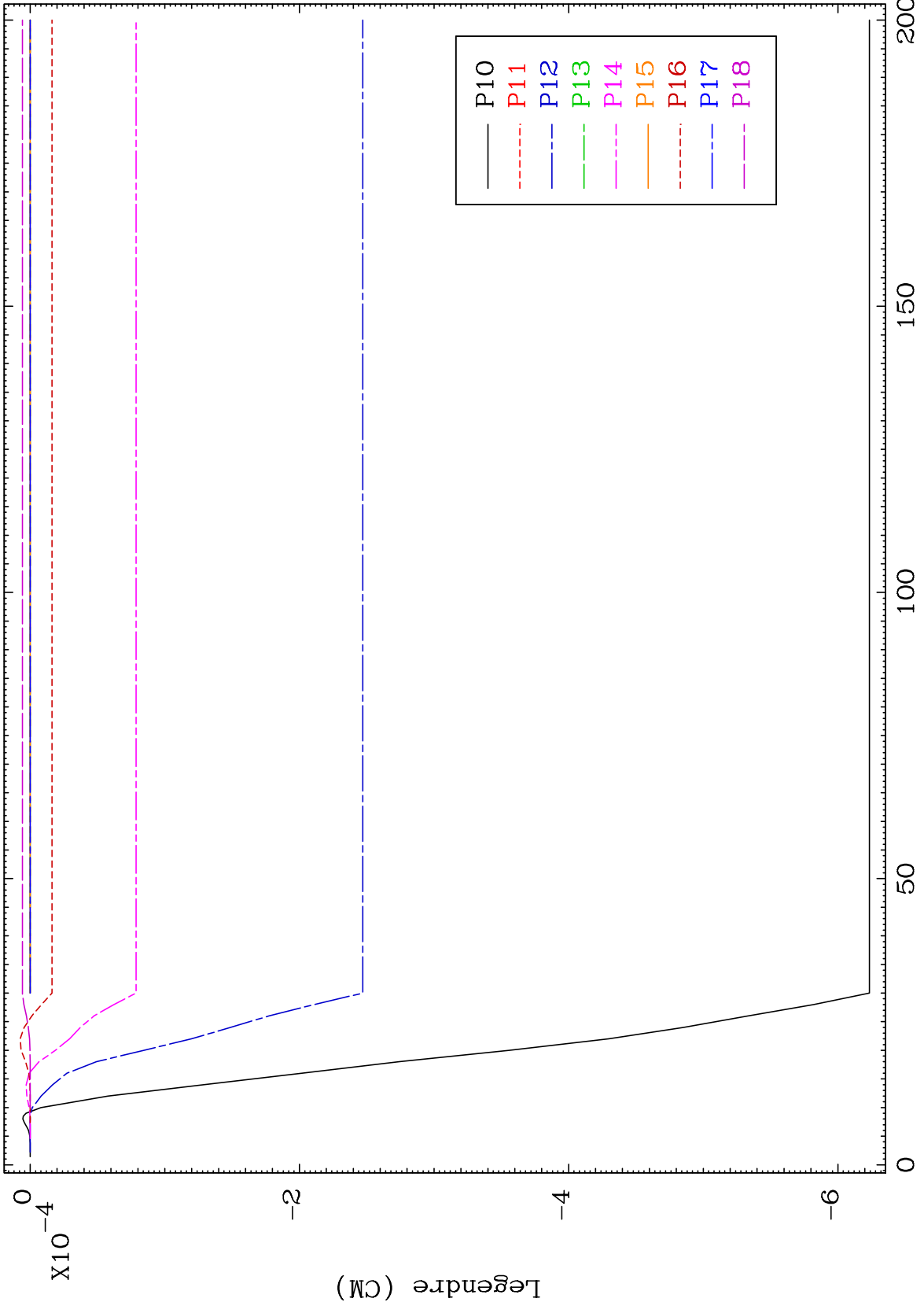
Incident Energy (MeV)

100

MAT 5334

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

53-I -130



101

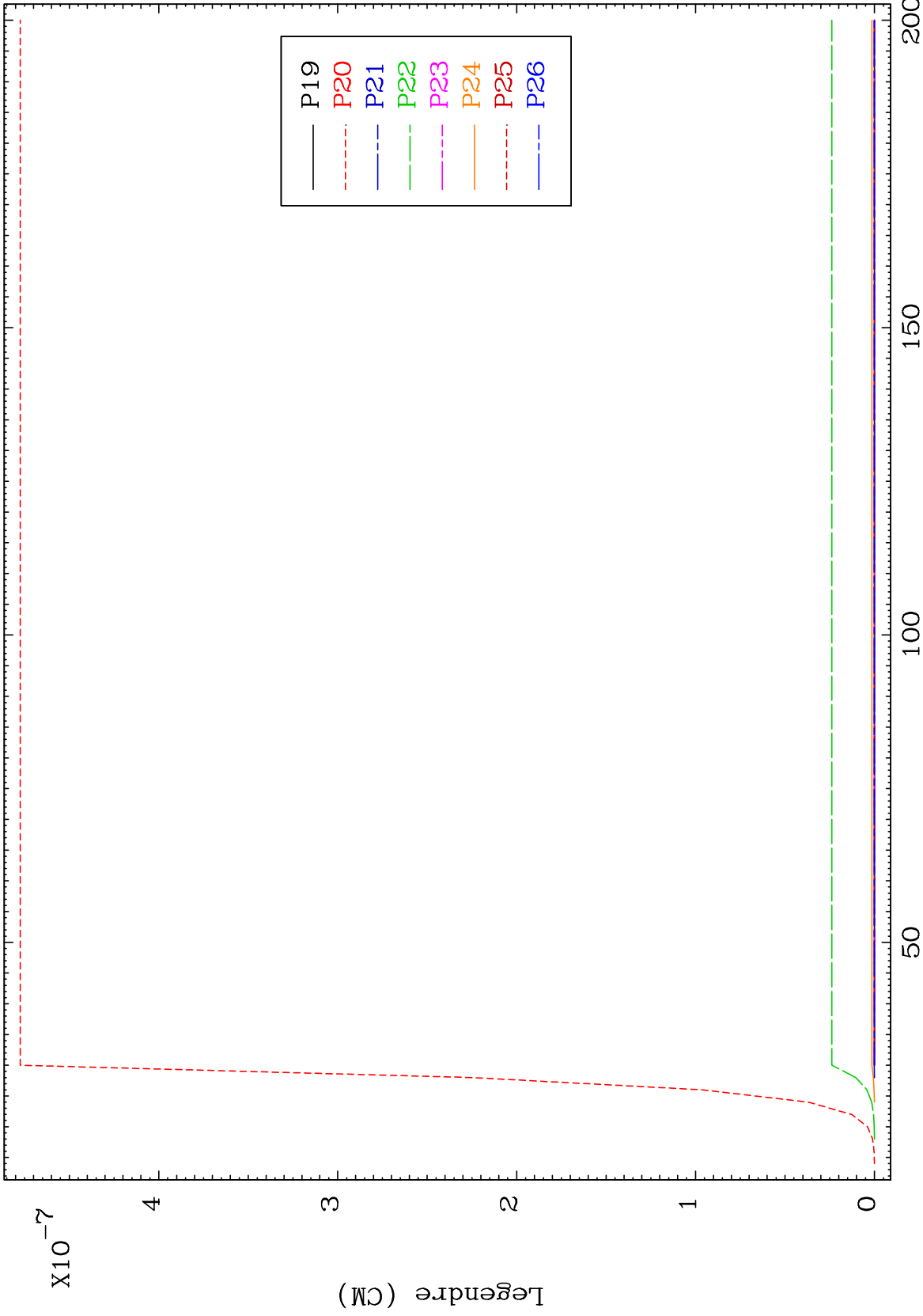
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



102

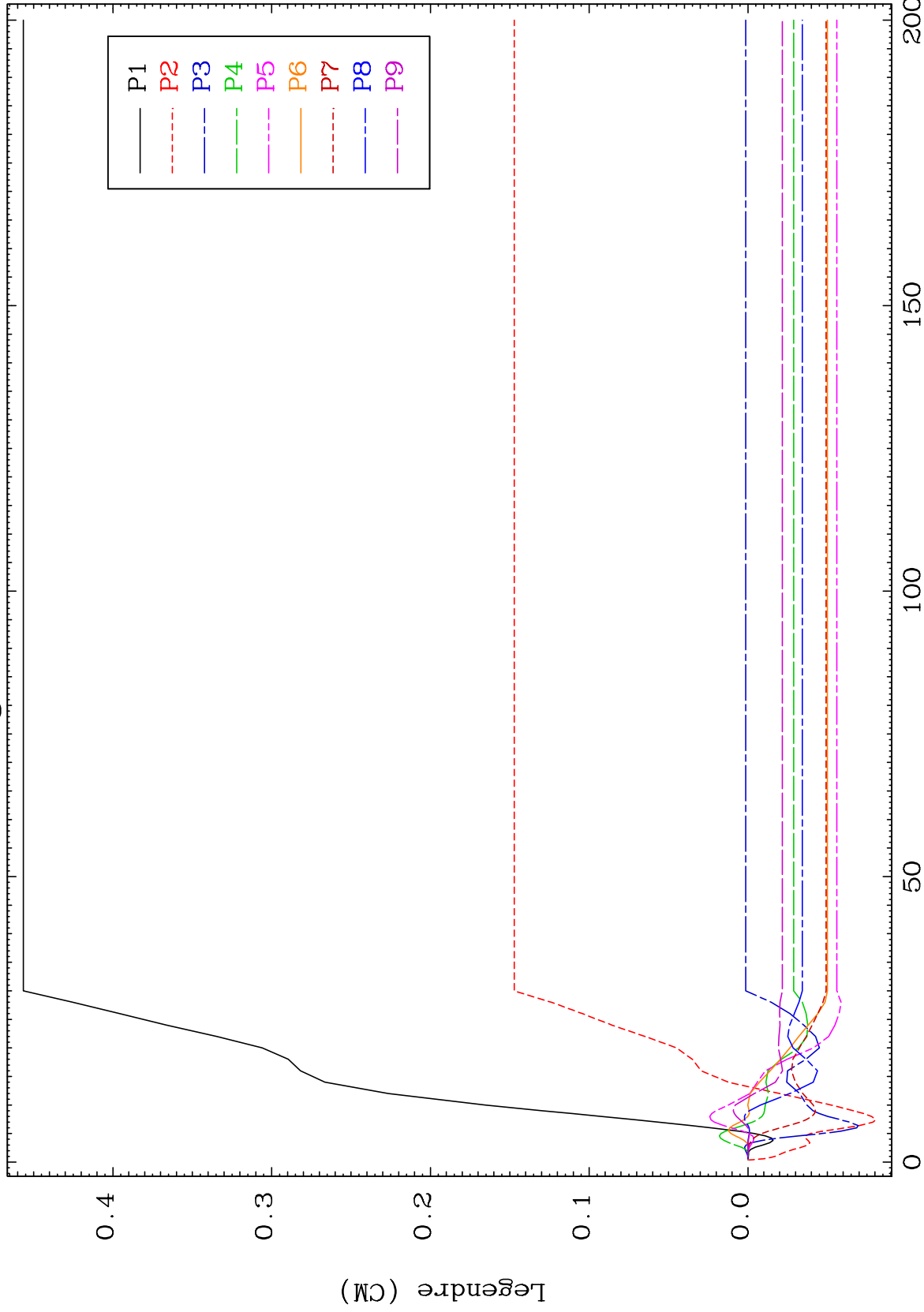
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



53-I -130

Incident Energy (MeV)

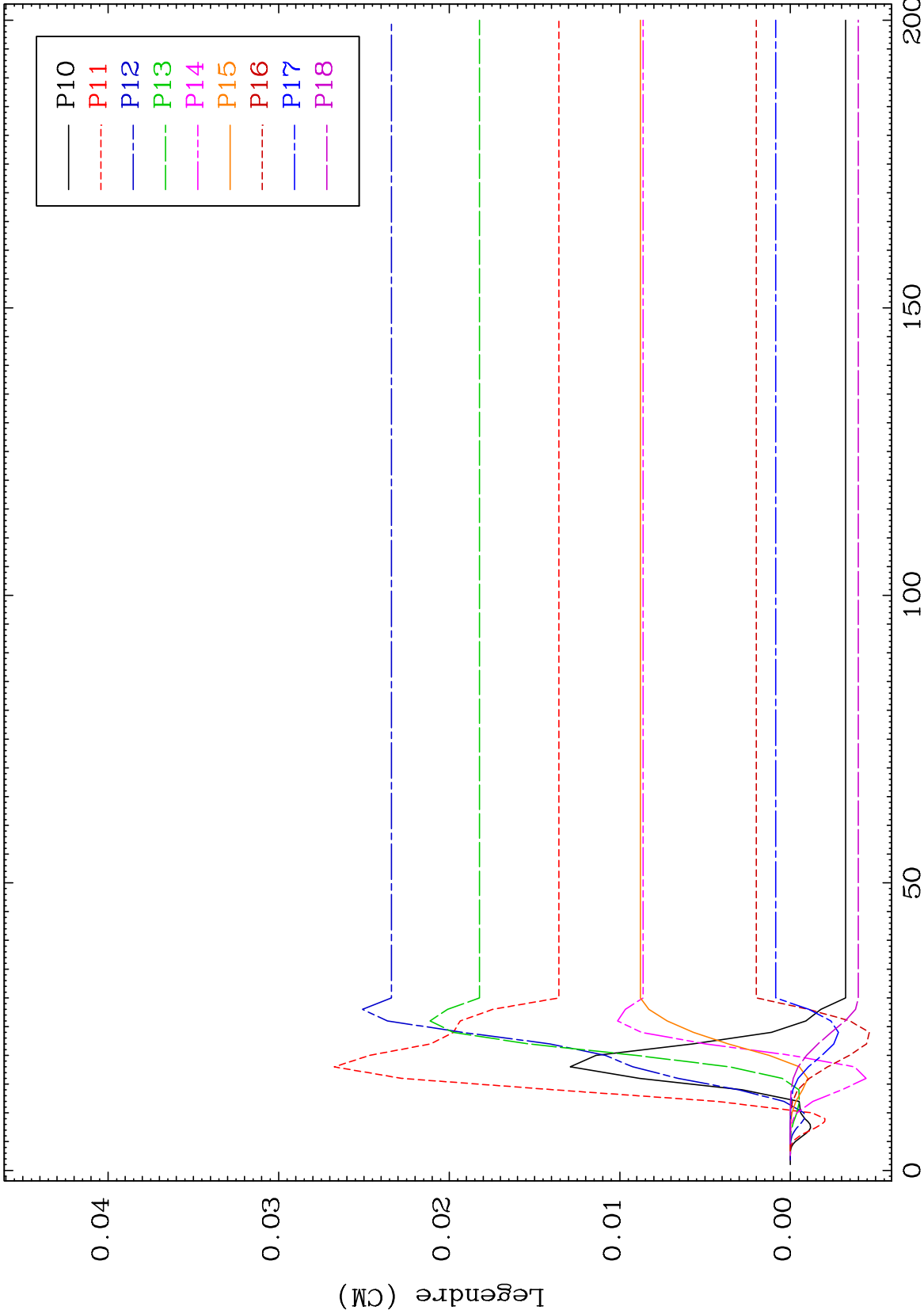
103



MAT 5334

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

53-I -130



104

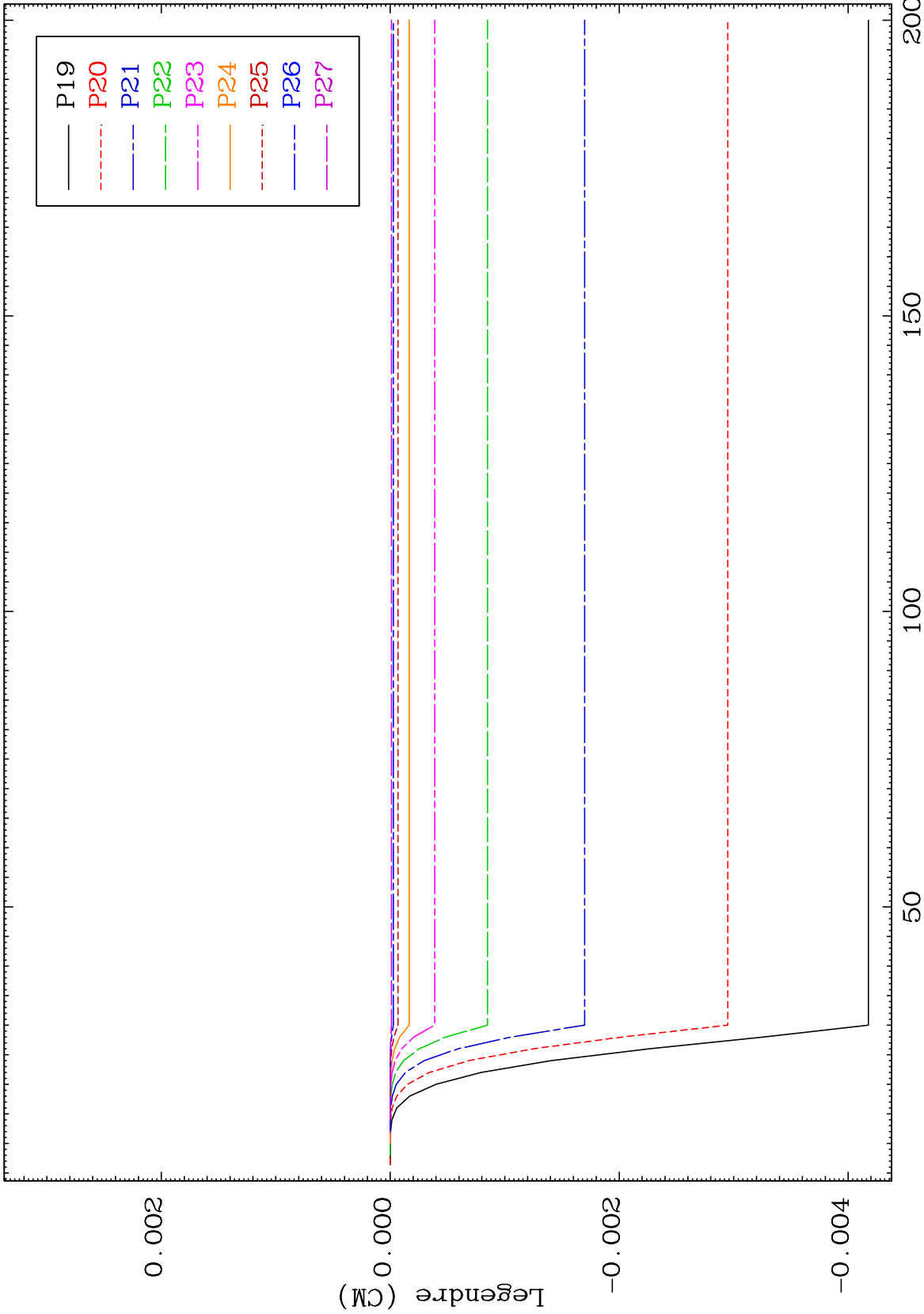
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130

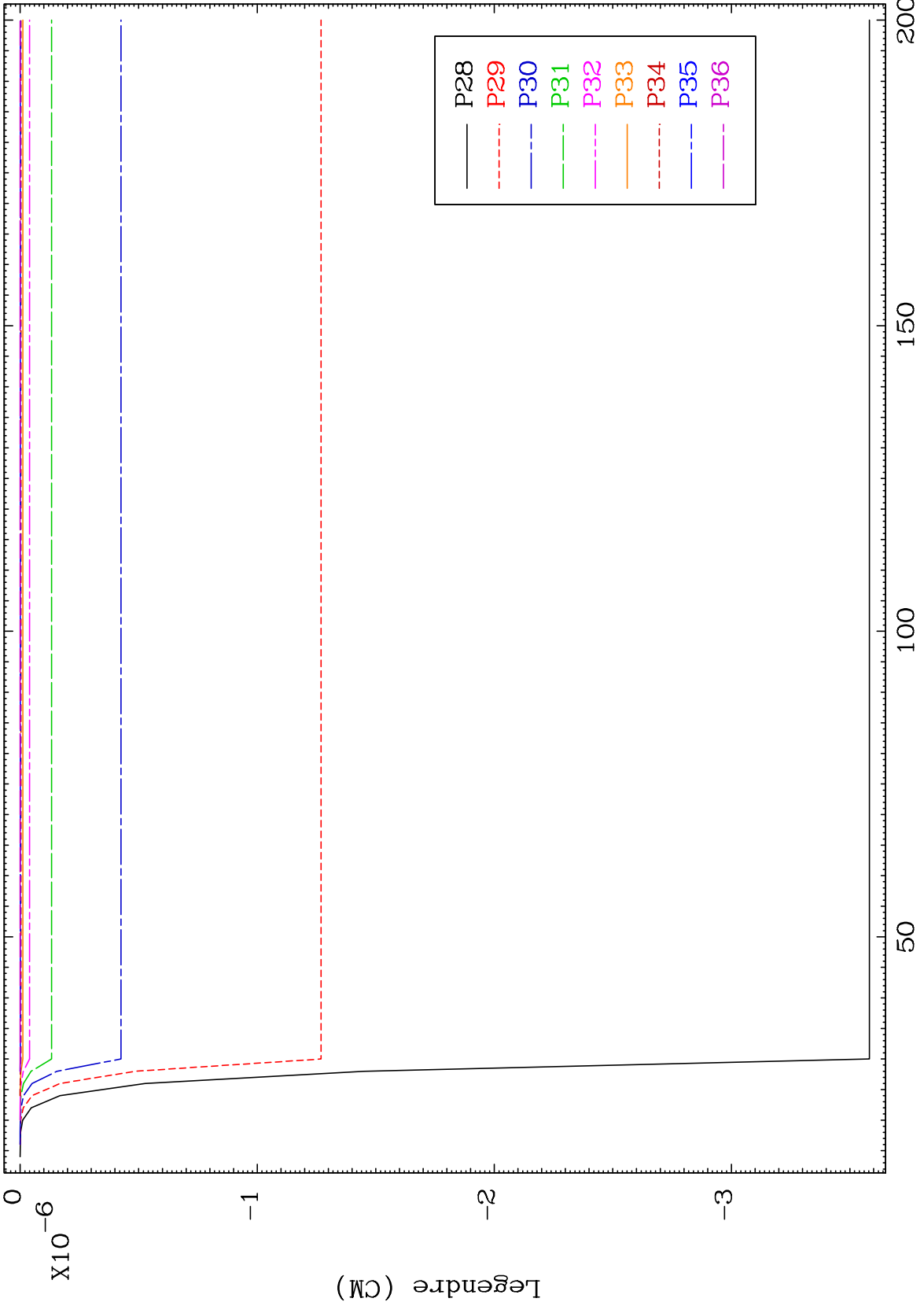


105

Incident Energy (MeV)

53-I -130

MAT 5334 MT= 75 (n,n') Level Legendre Coefficients 53-I -130

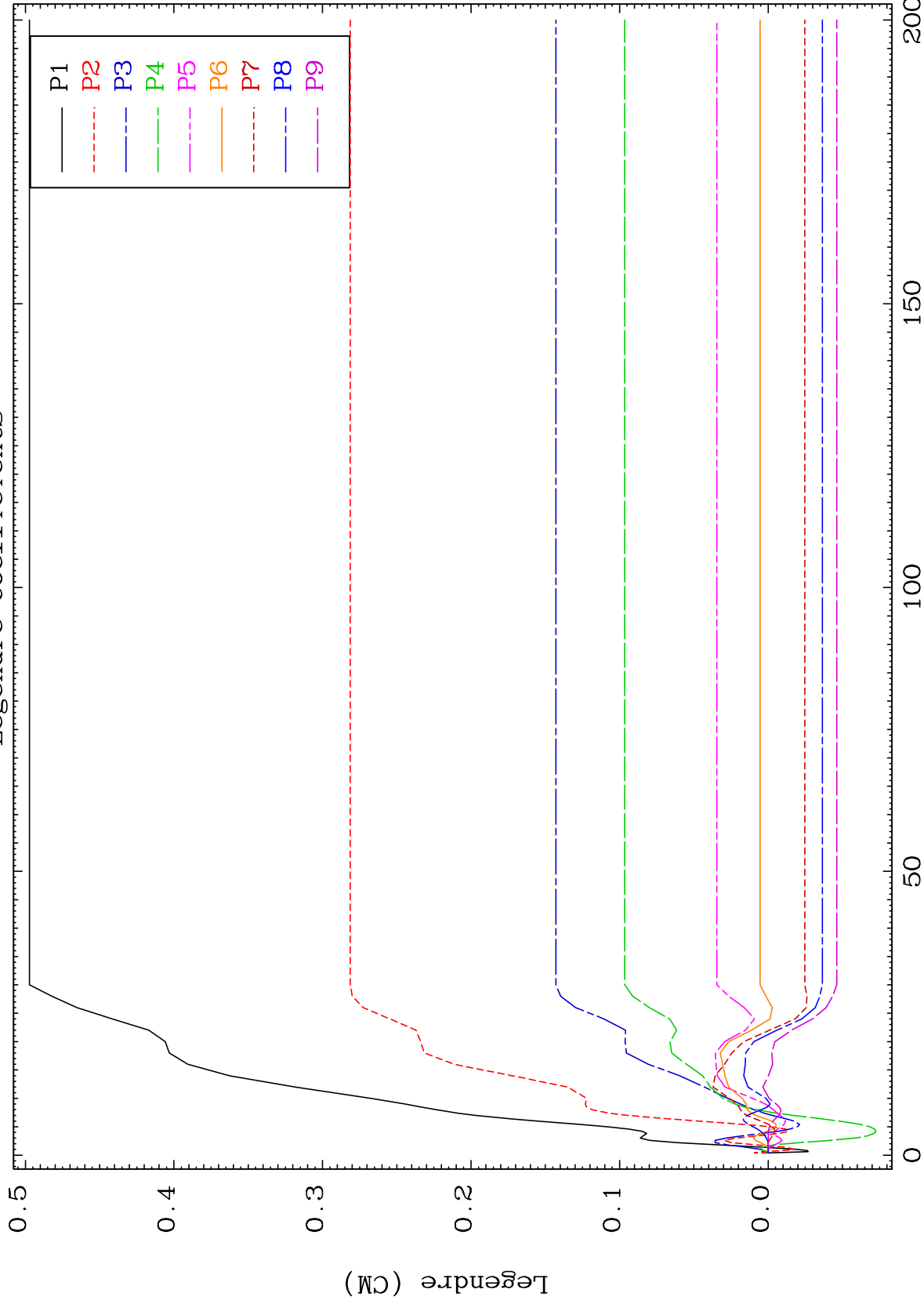


106 53-I -130

MAT 5334

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

53-I -130



107

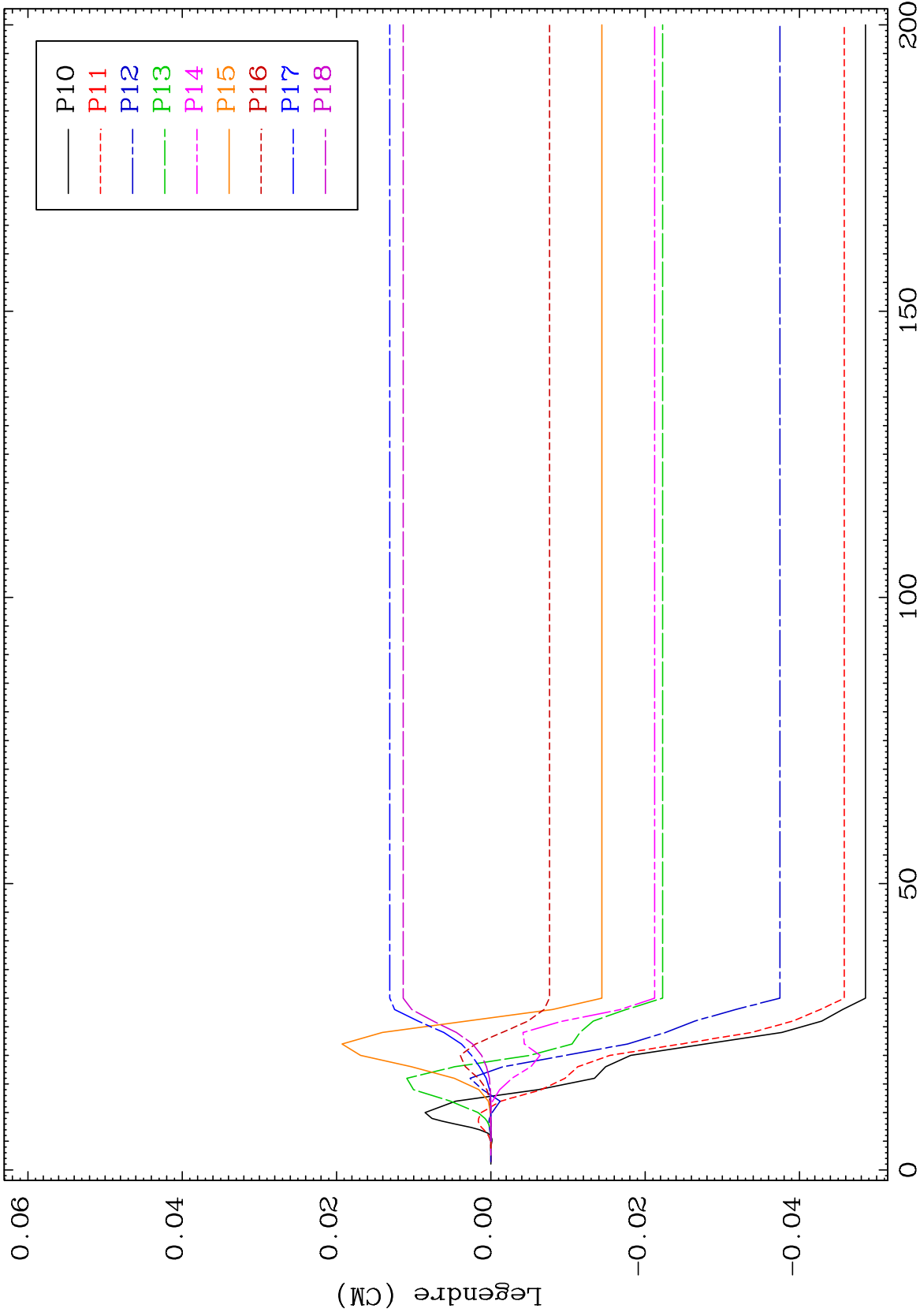
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



108

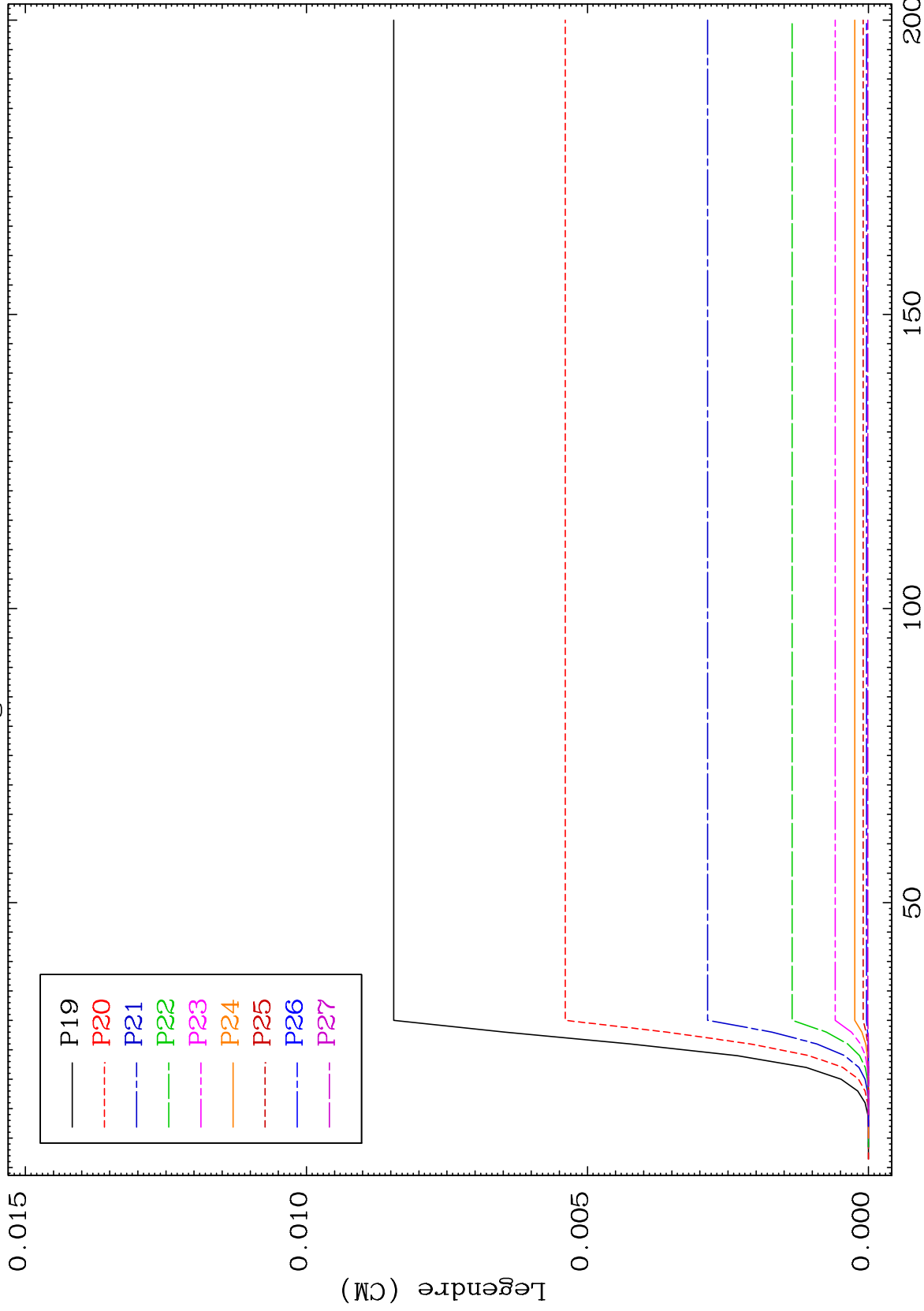
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



109

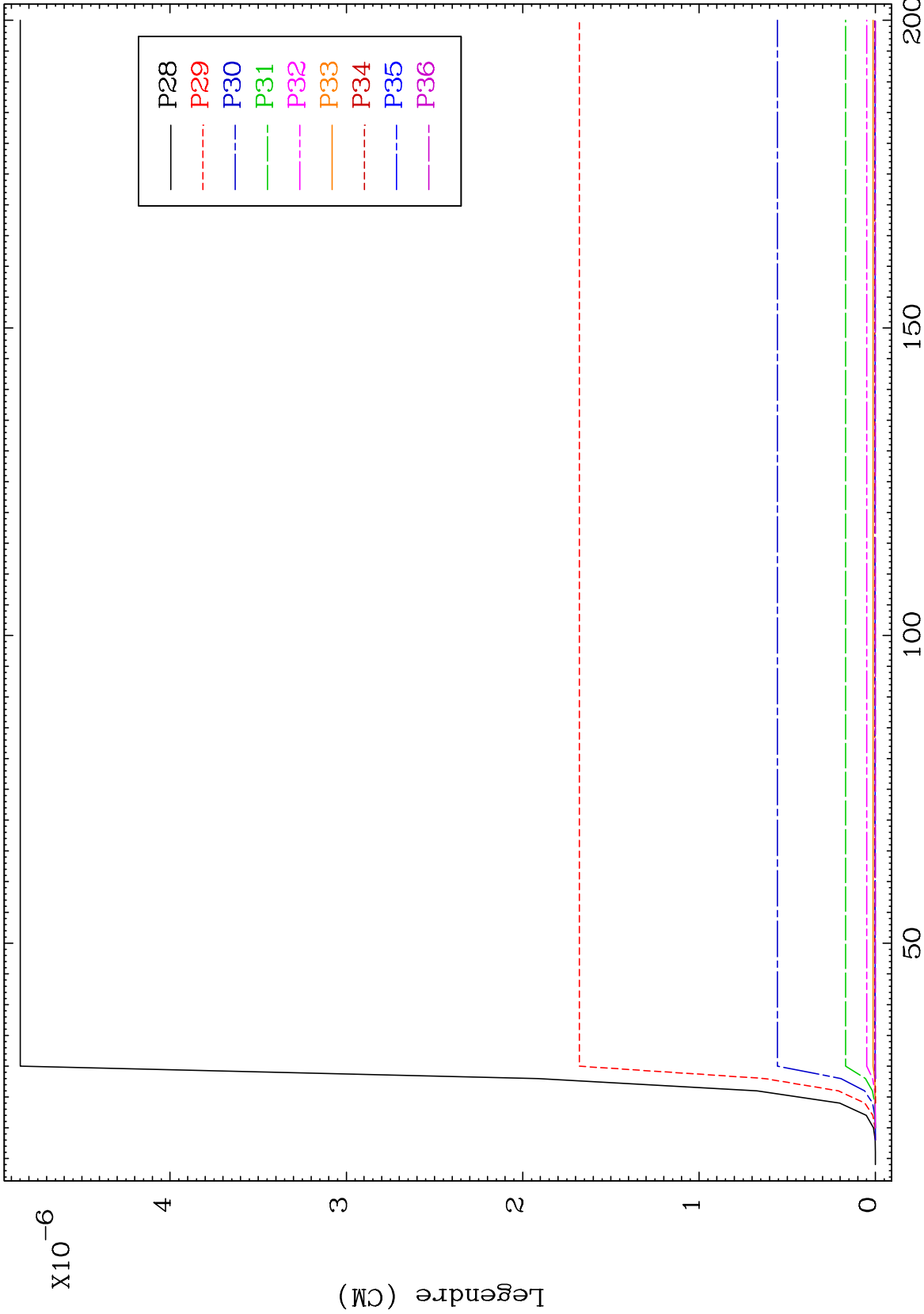
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



110

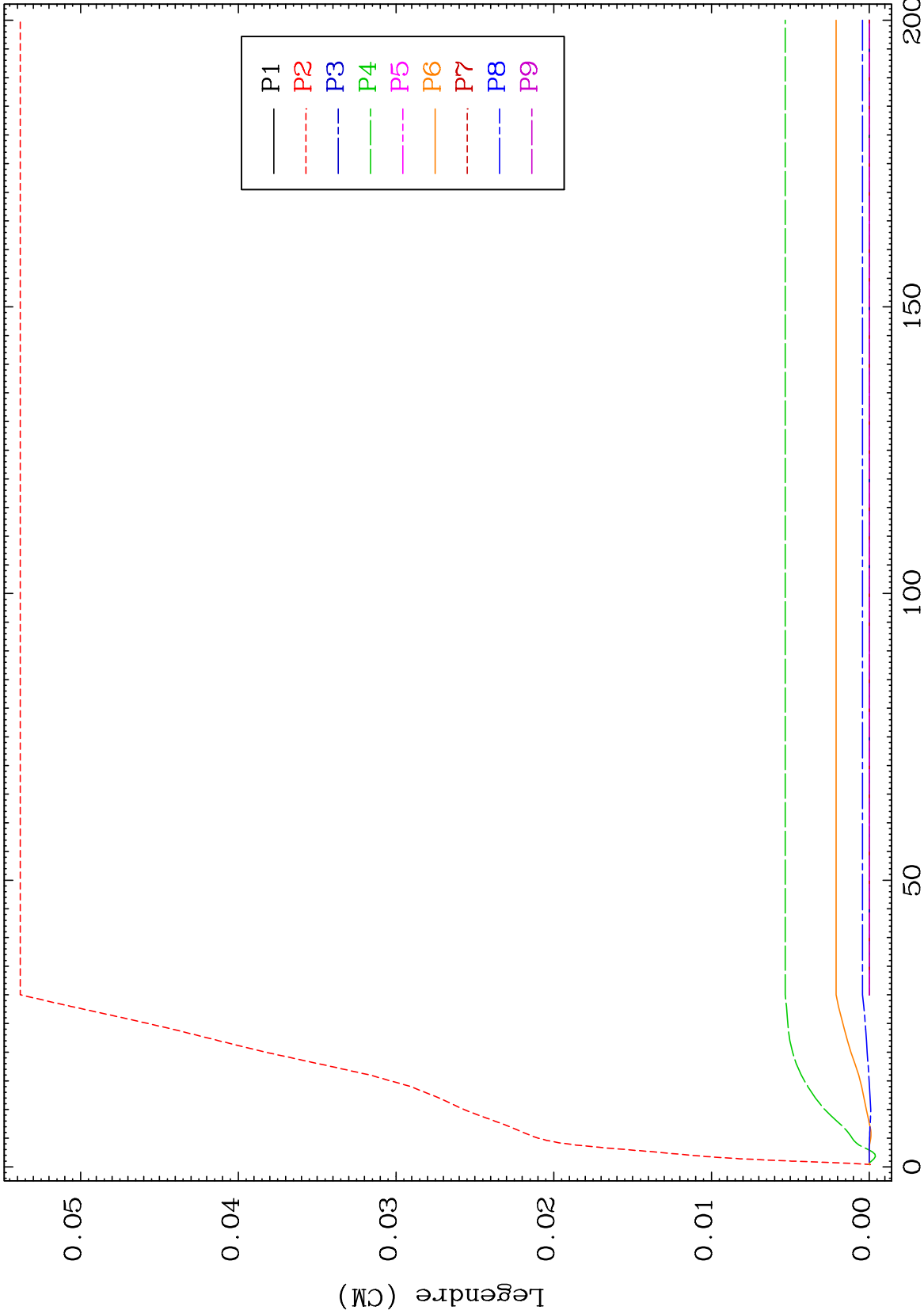
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



111

Incident Energy (MeV)

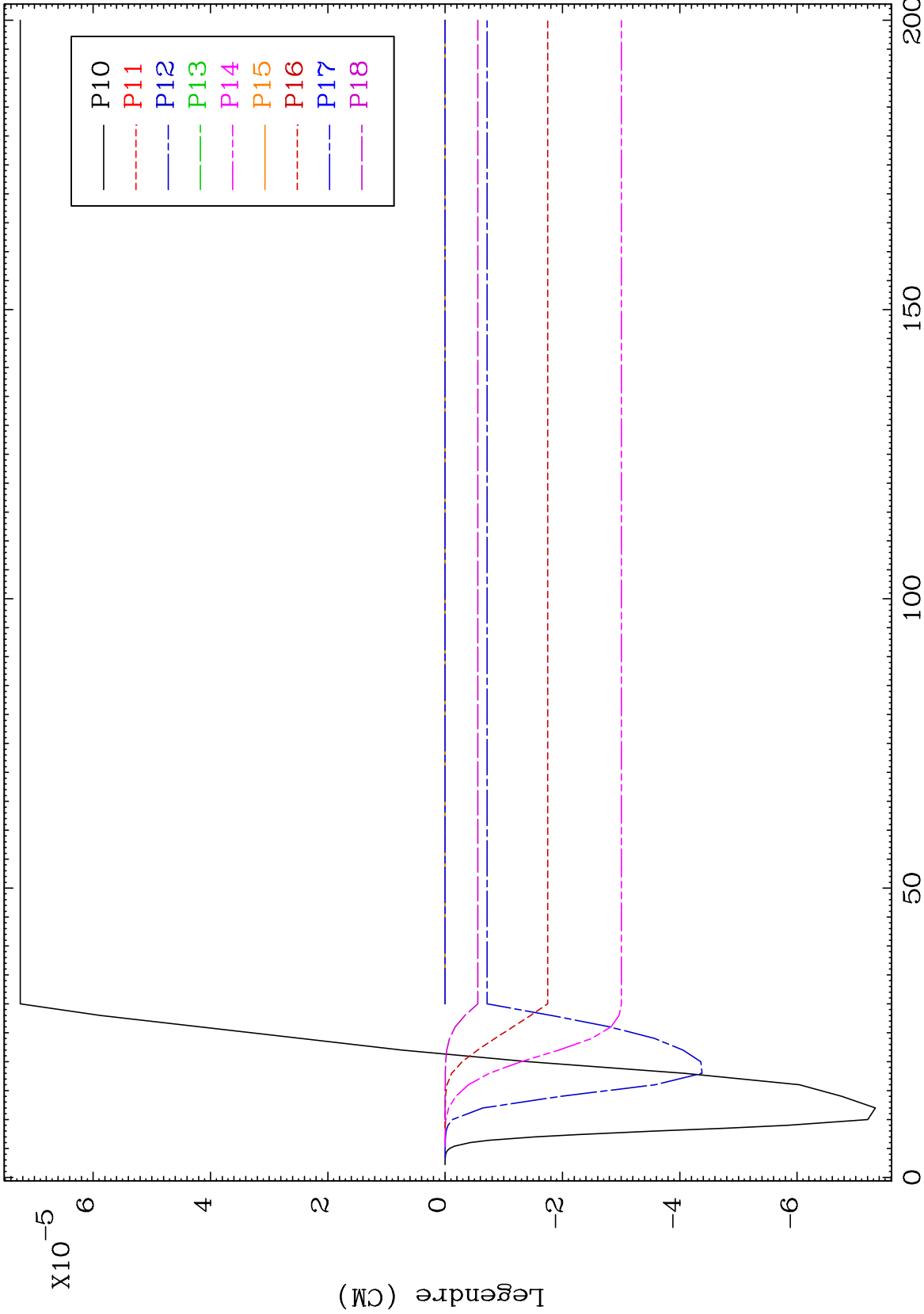
53-I -130



MAT 5334

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

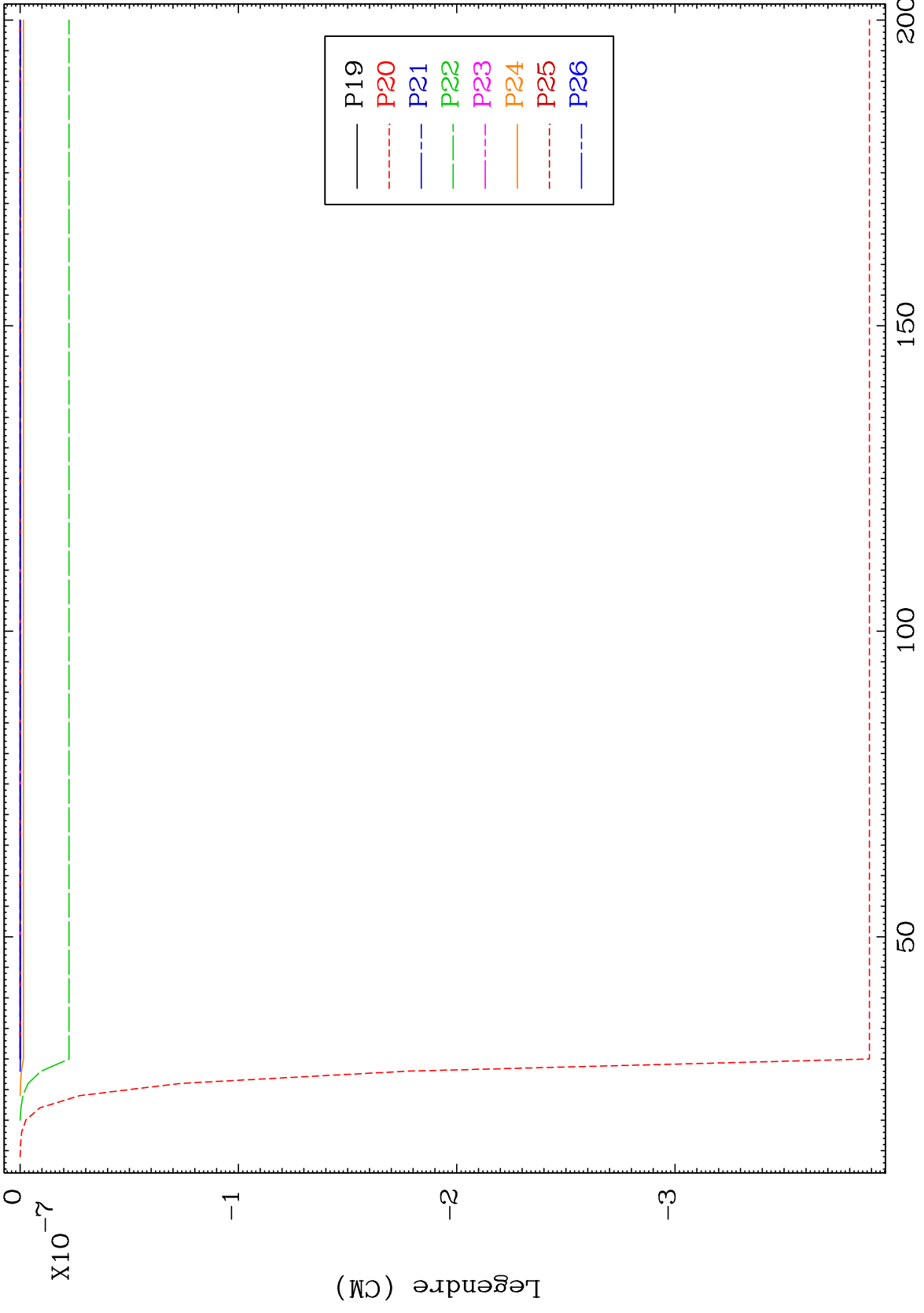
53-I -130



112

53-I -130

MAT 5334 MT= 77 (n,n') Level Legendre Coefficients 53-I -130

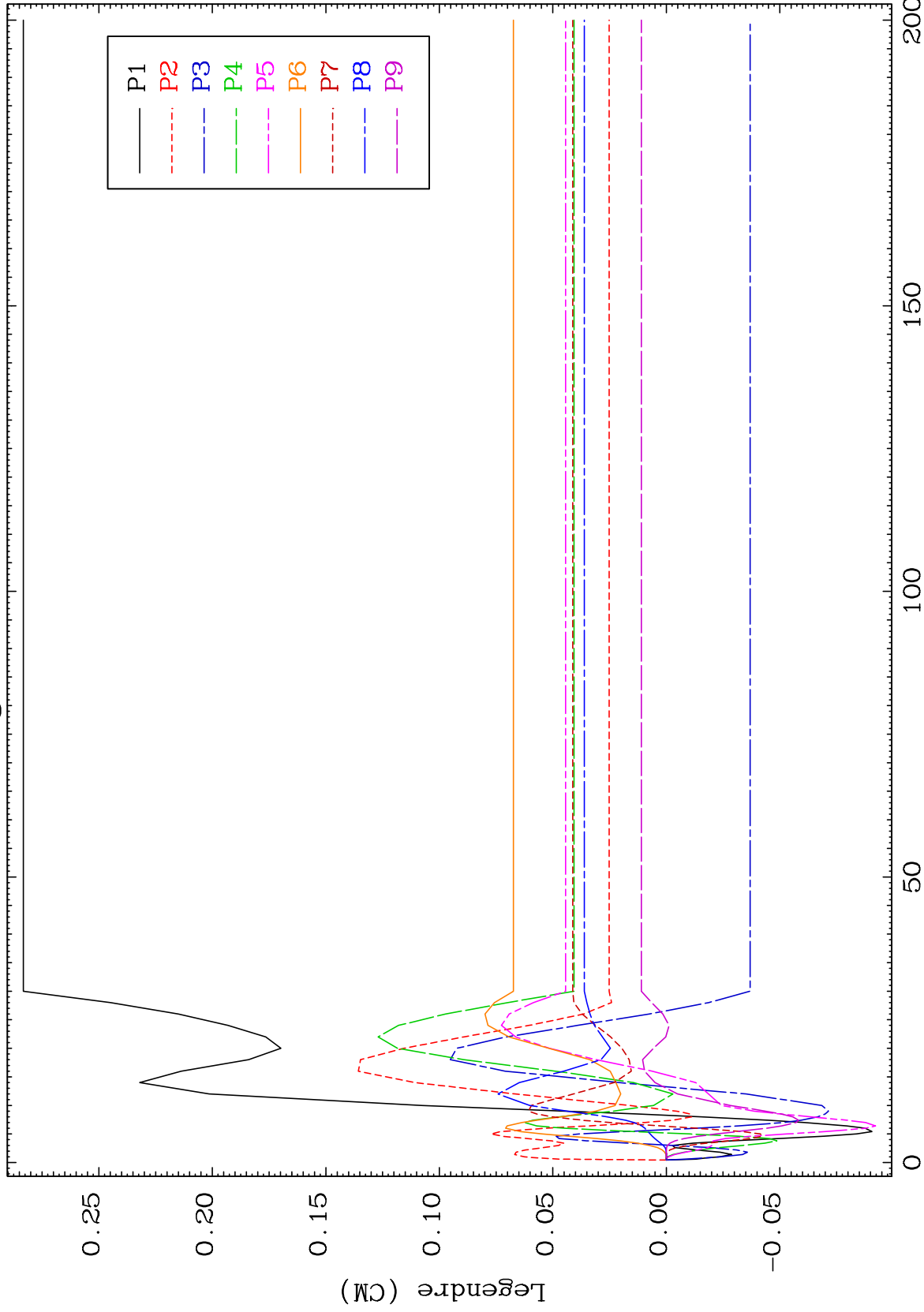


113 53-I -130

MAT 5334

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

53-I -130



114

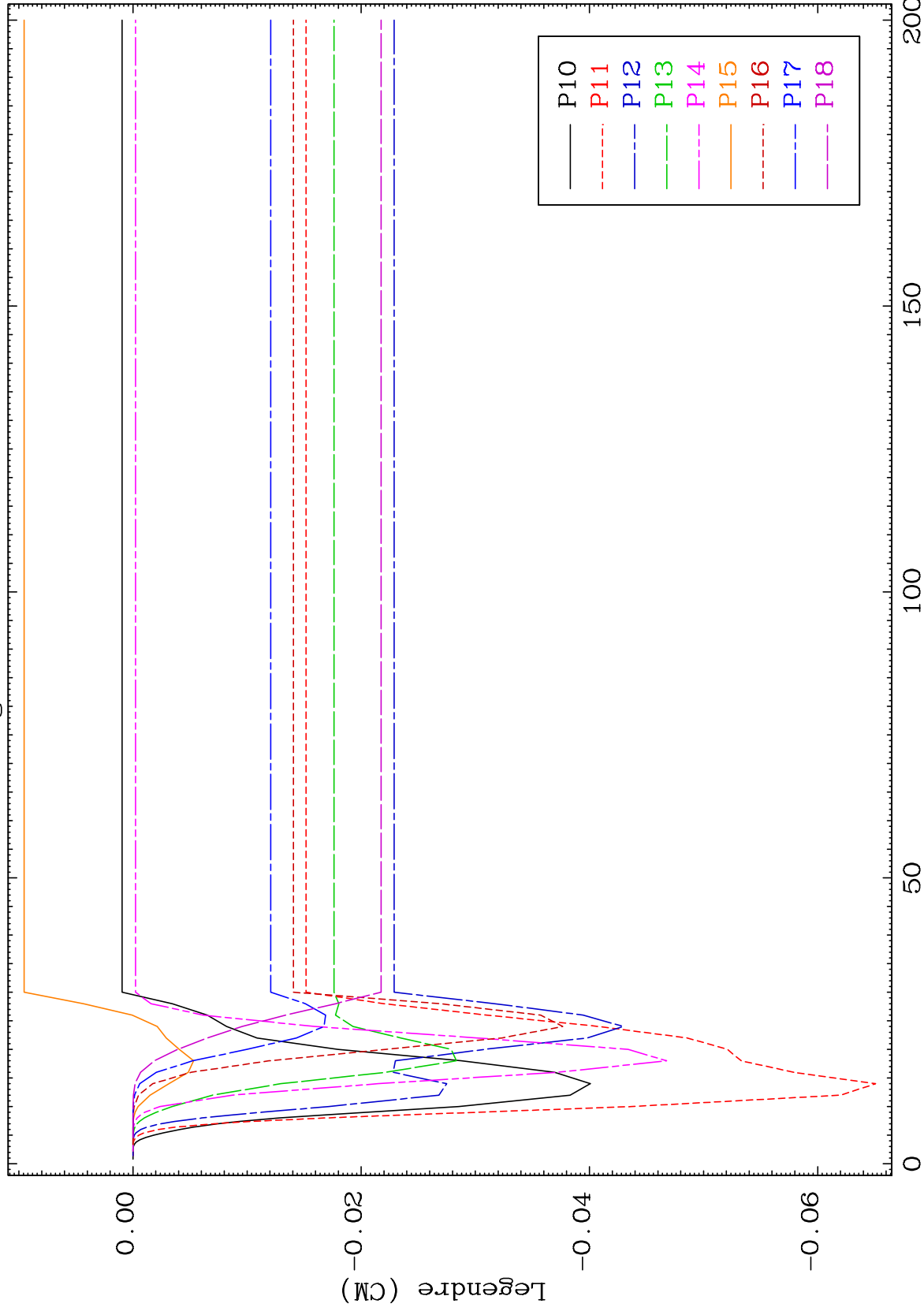
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



115

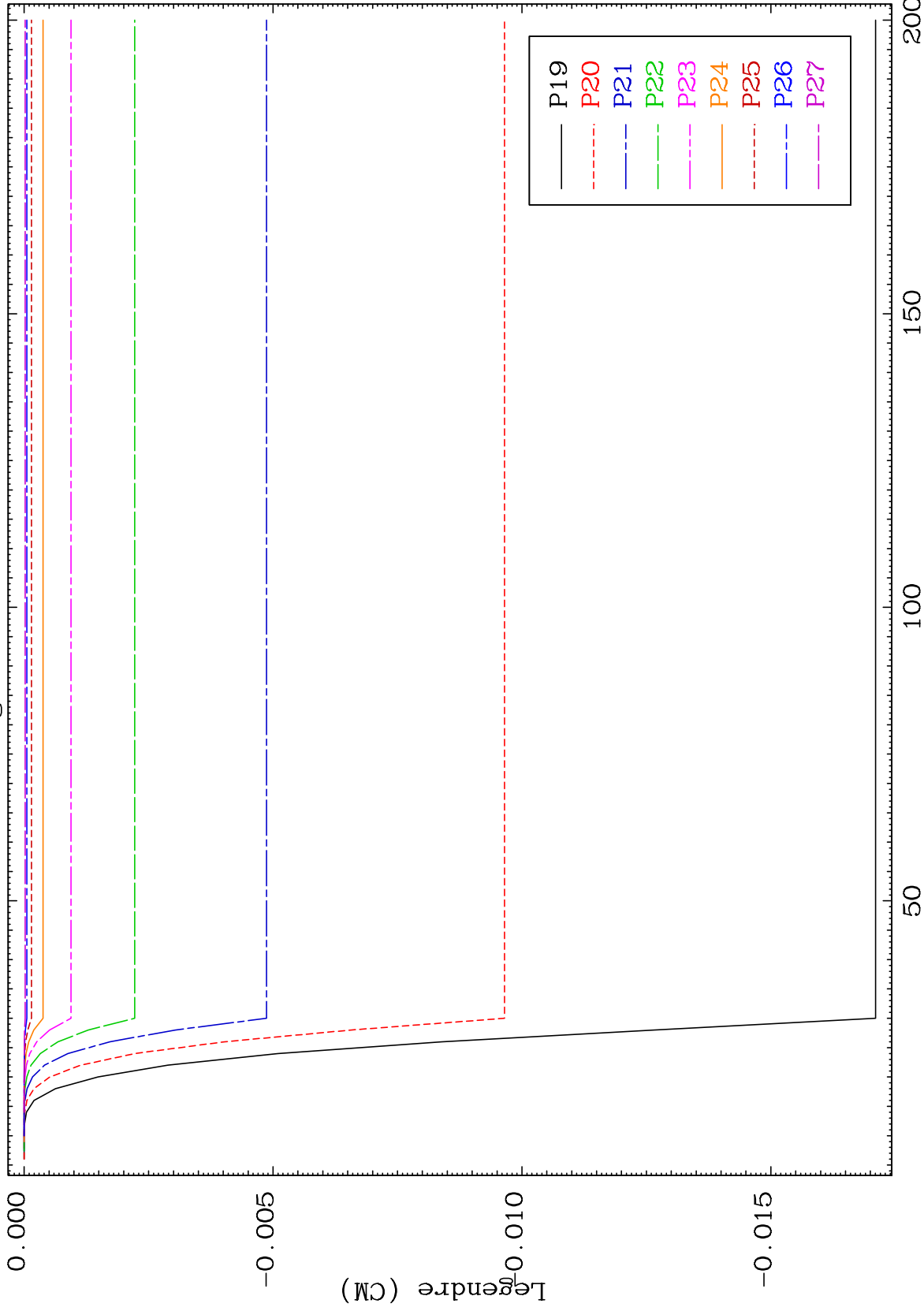
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



116

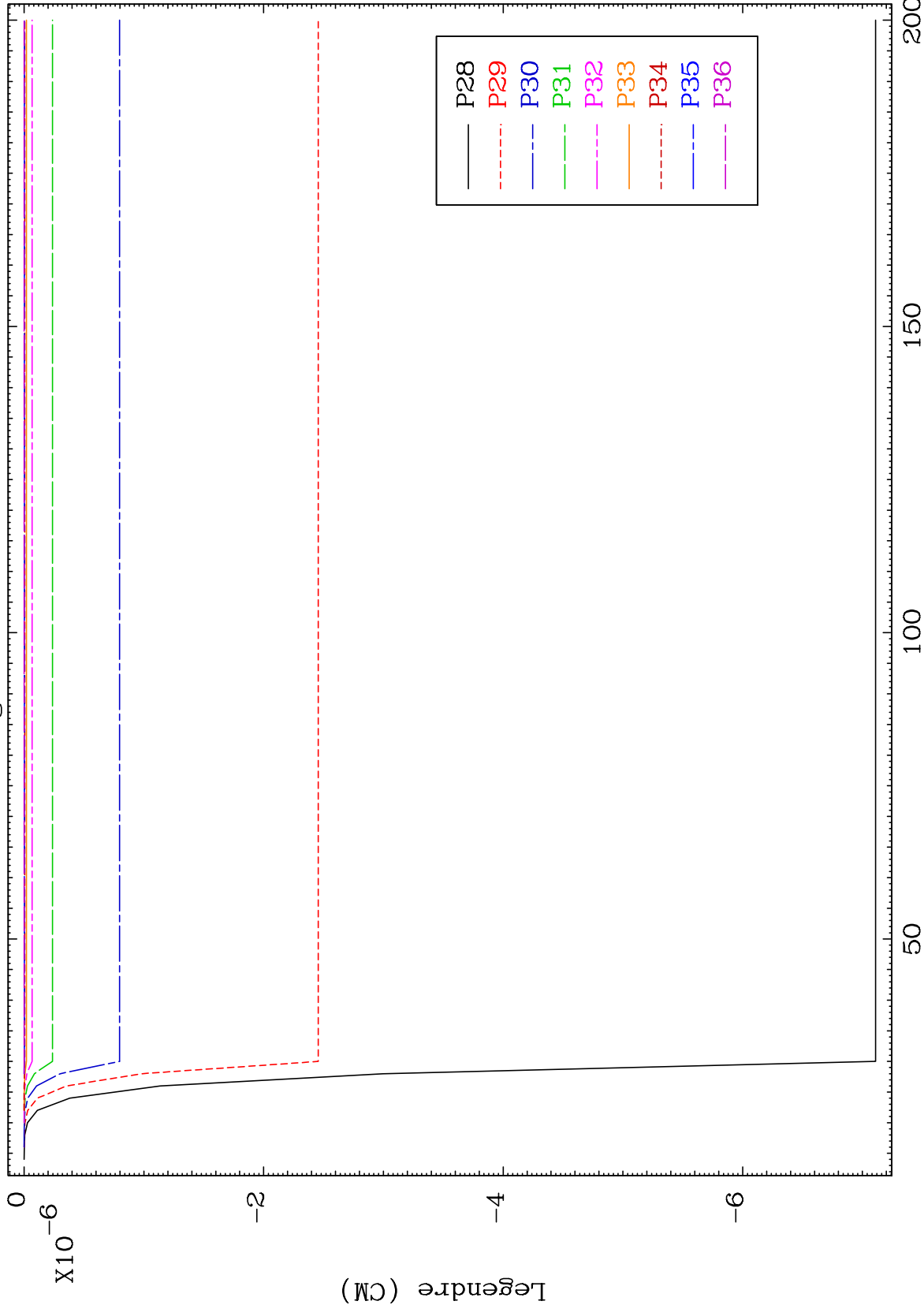
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



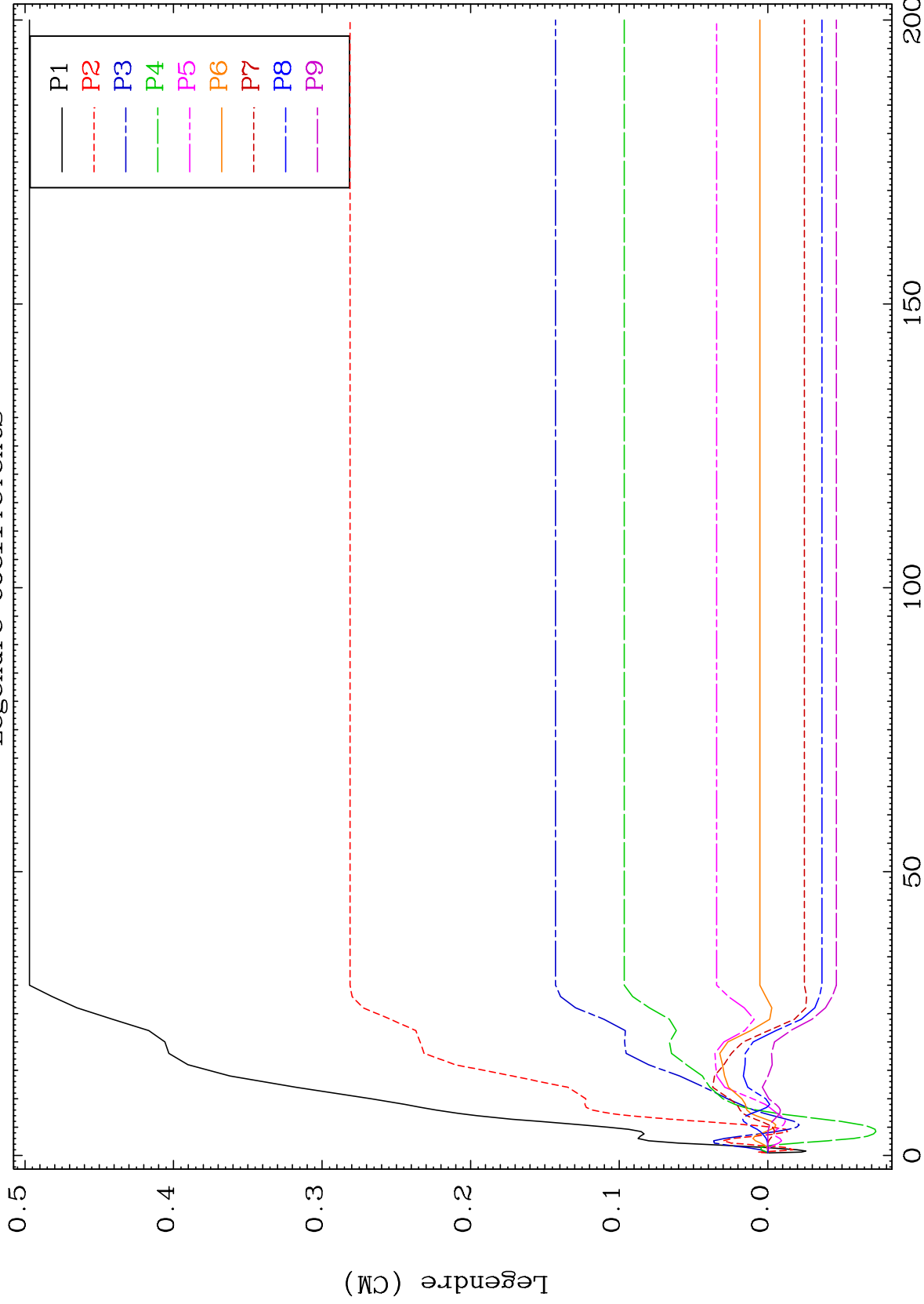
53-I -130

117

MAT 5334

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

53-I -130



118

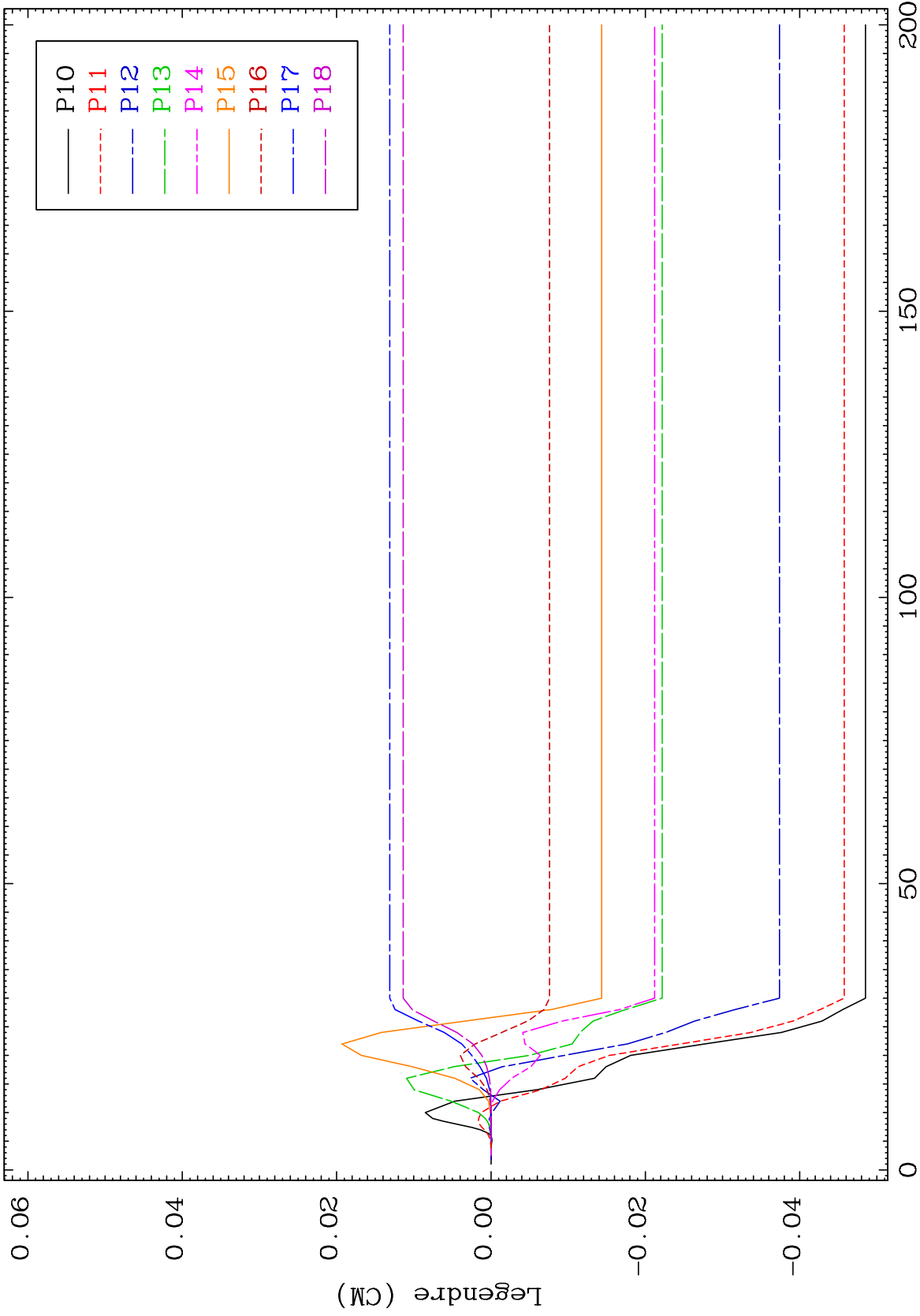
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



119

Incident Energy (MeV)

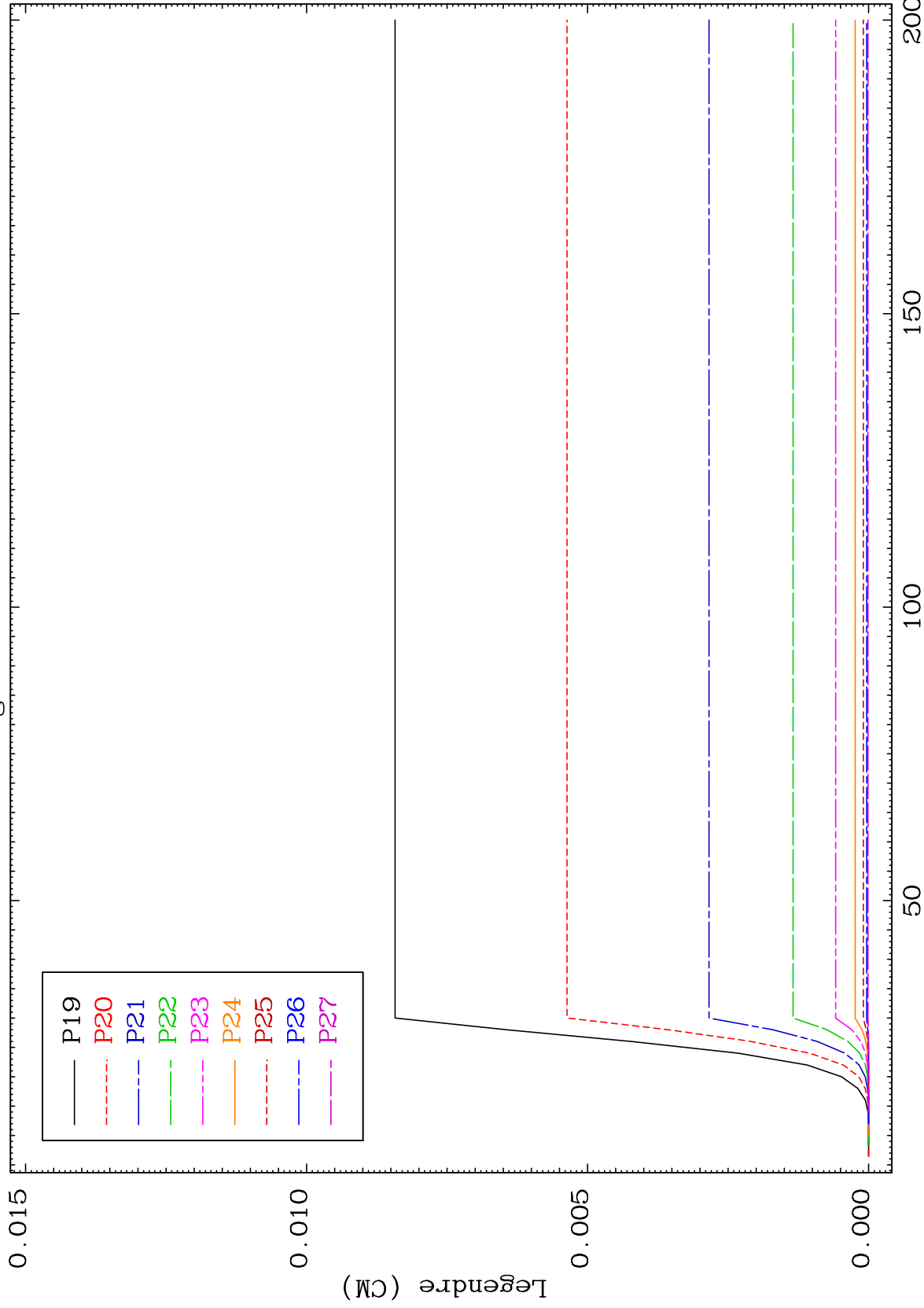
53-I -130



MAT 5334

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

53-I -130



120

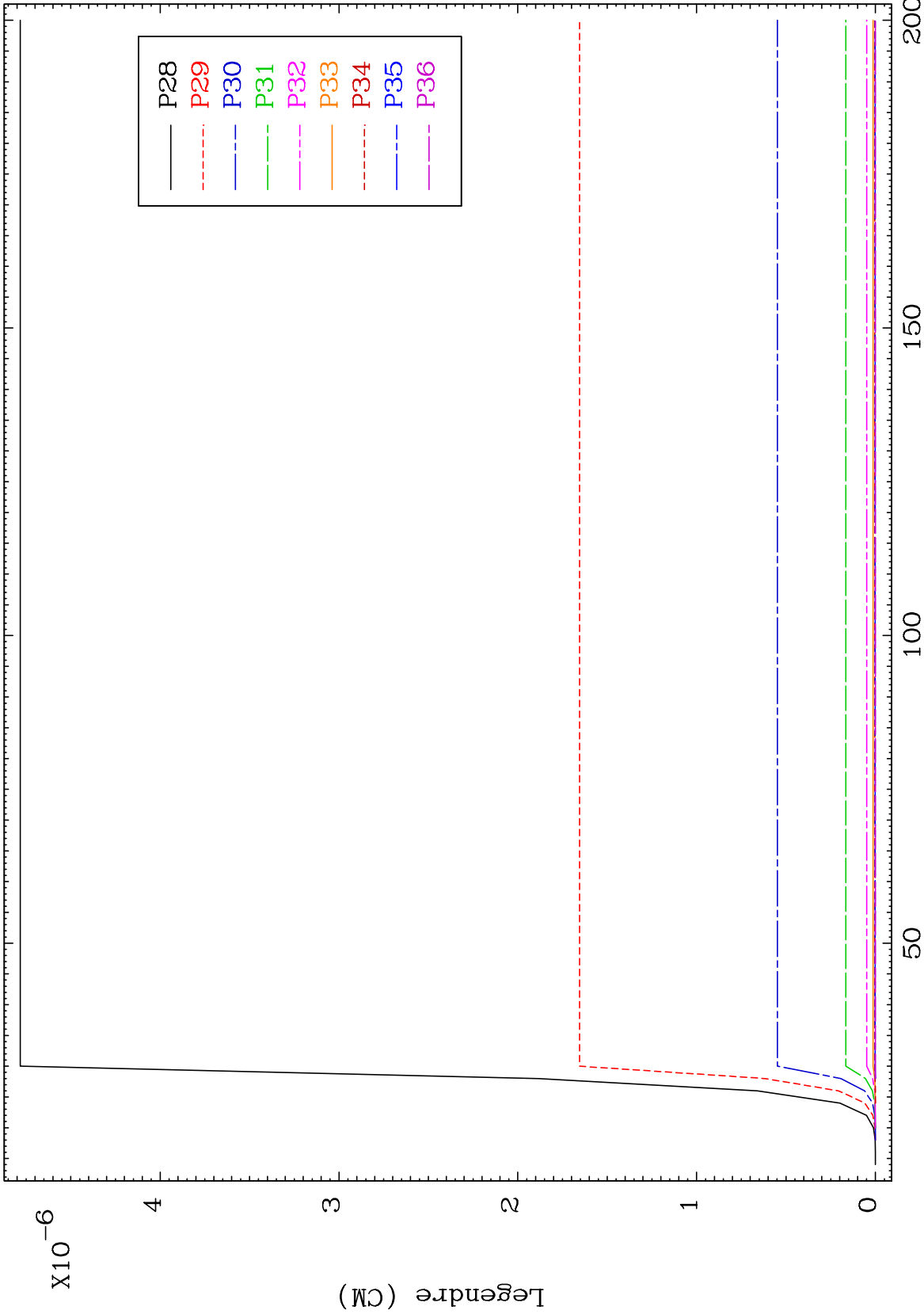
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130

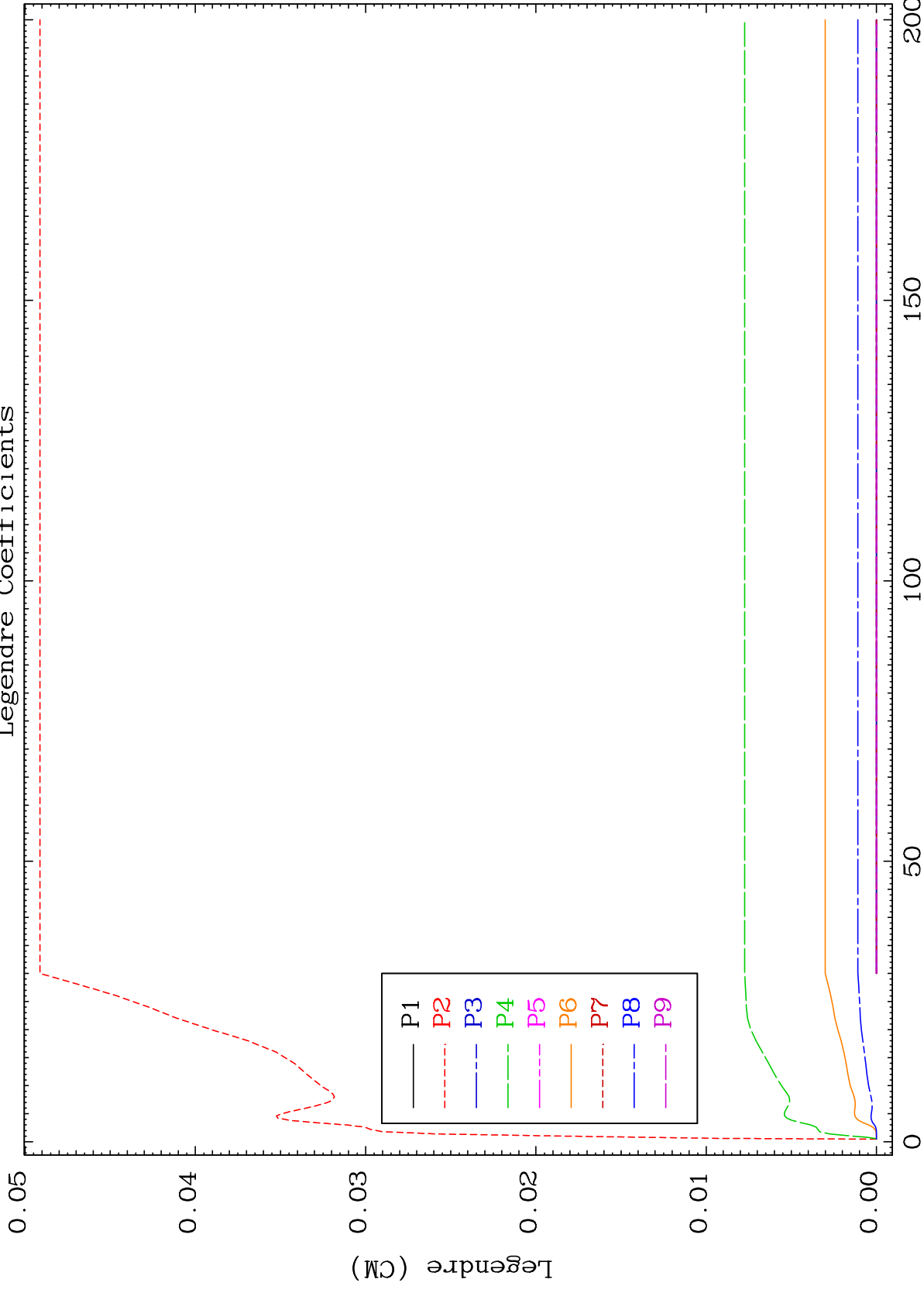


121

53-I -130

MAT 5334 MT= 80 (n,n') Level Legendre Coefficients

53-I -130



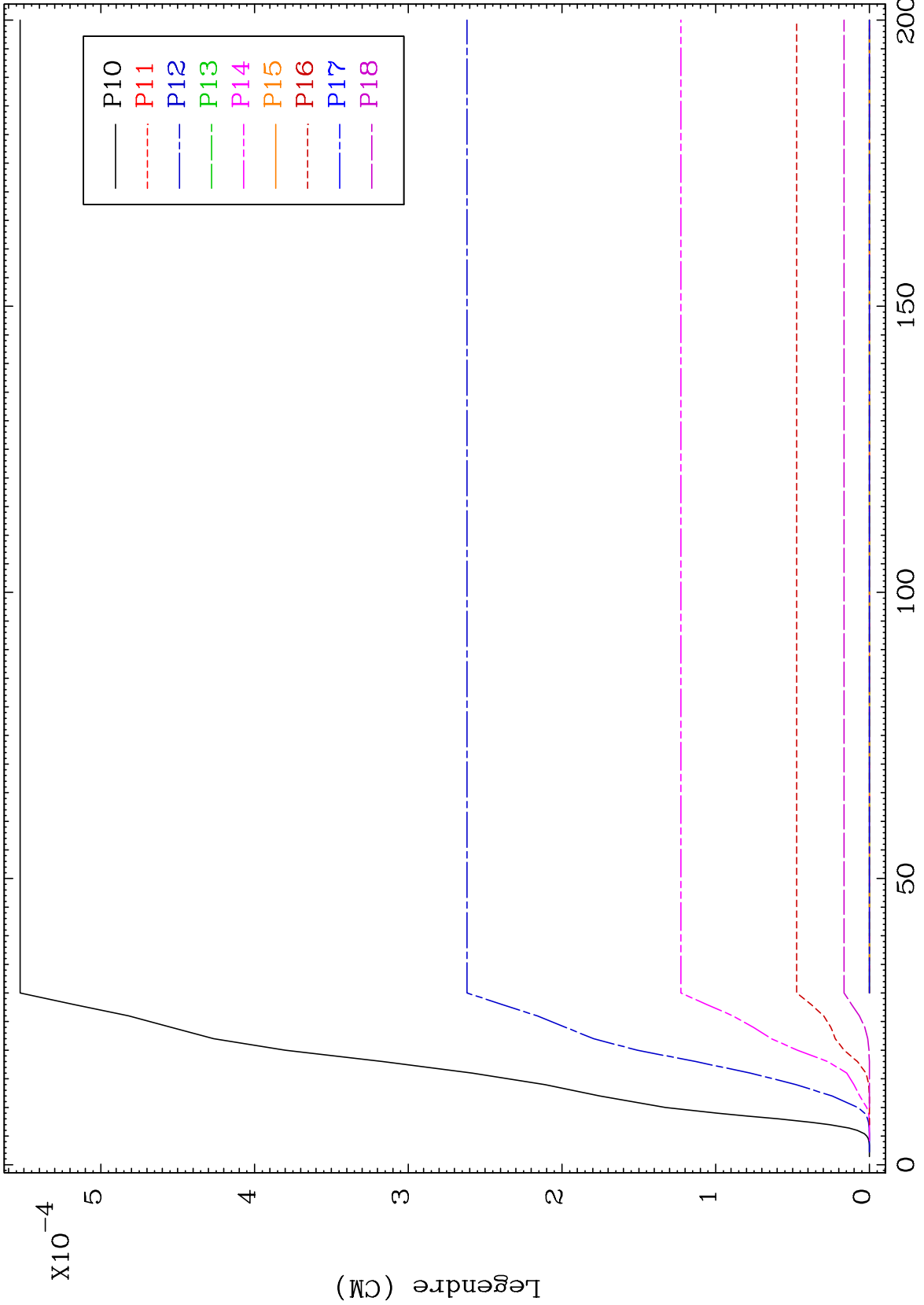
53-I -130

Incident Energy (MeV)

MAT 5334

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

53-I -130



123

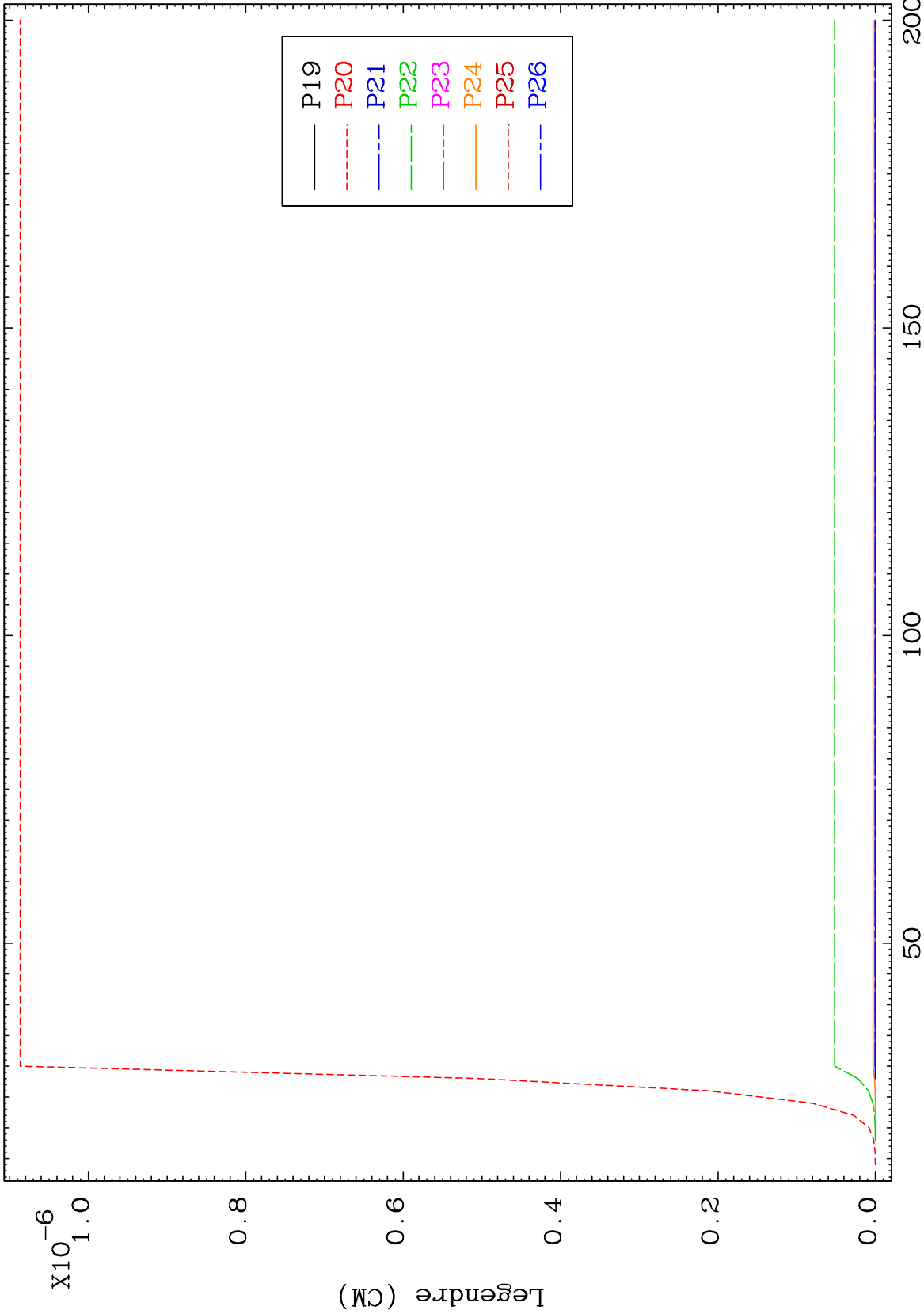
Incident Energy (MeV)

53-I -130

MAT 5334

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

53-I -130



124

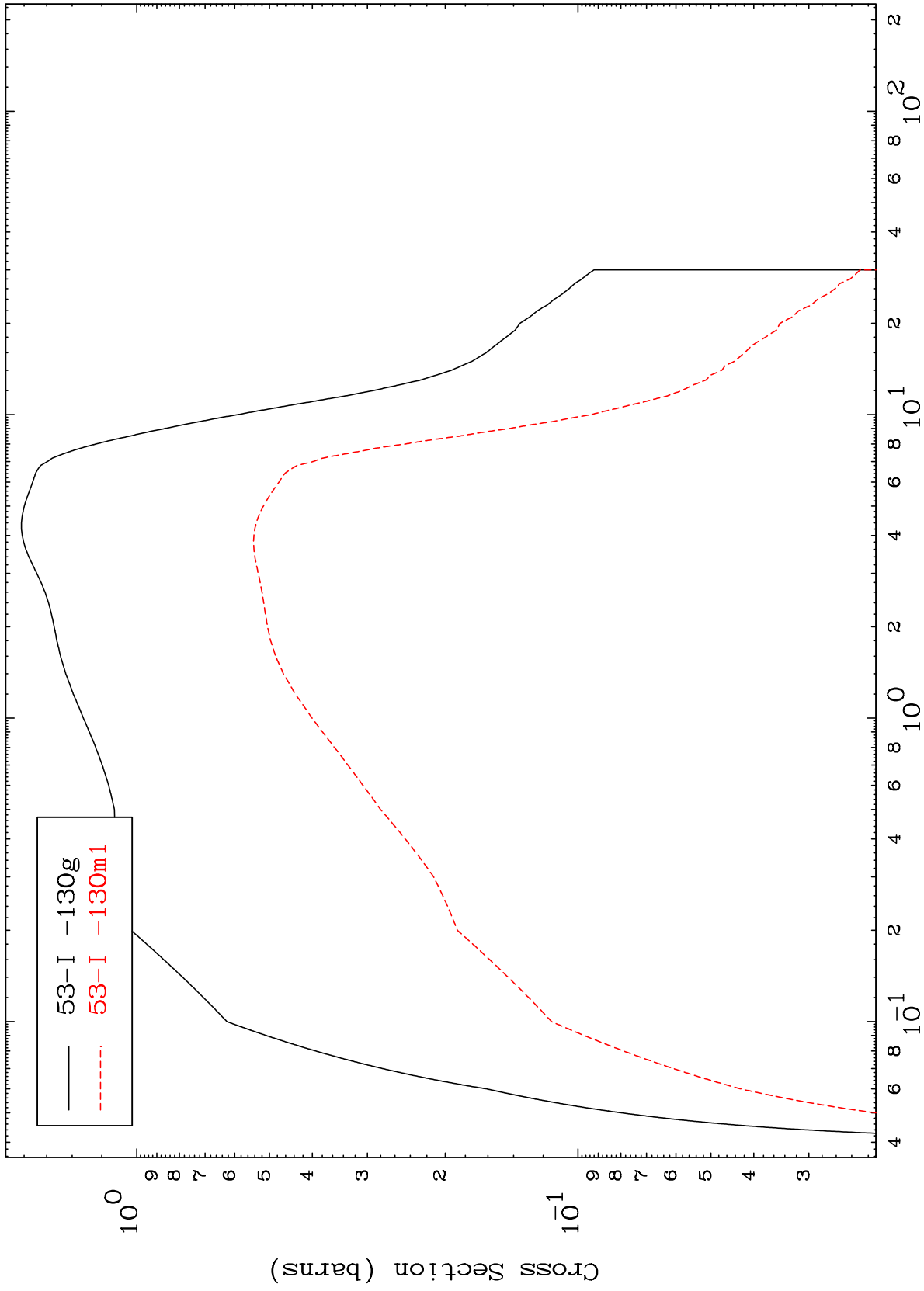
Incident Energy (MeV)

53-I -130

MAT 5334

53-I -130

Inelastic  
Radionuclide Production Cross Section



125

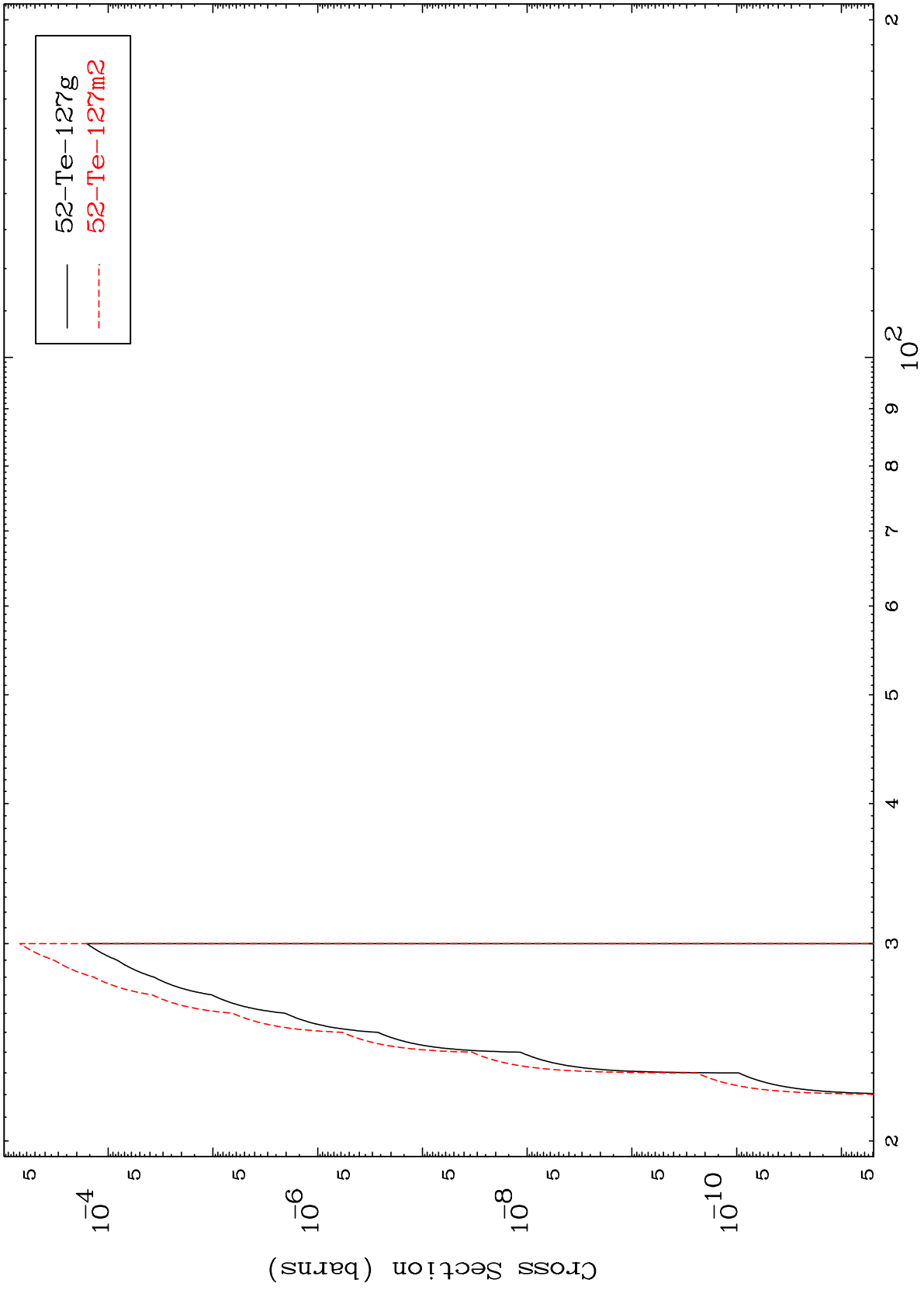
53-I -130

MAT 5334

(n,2n) d

53-I -130

Radionuclide Production Cross Section



126

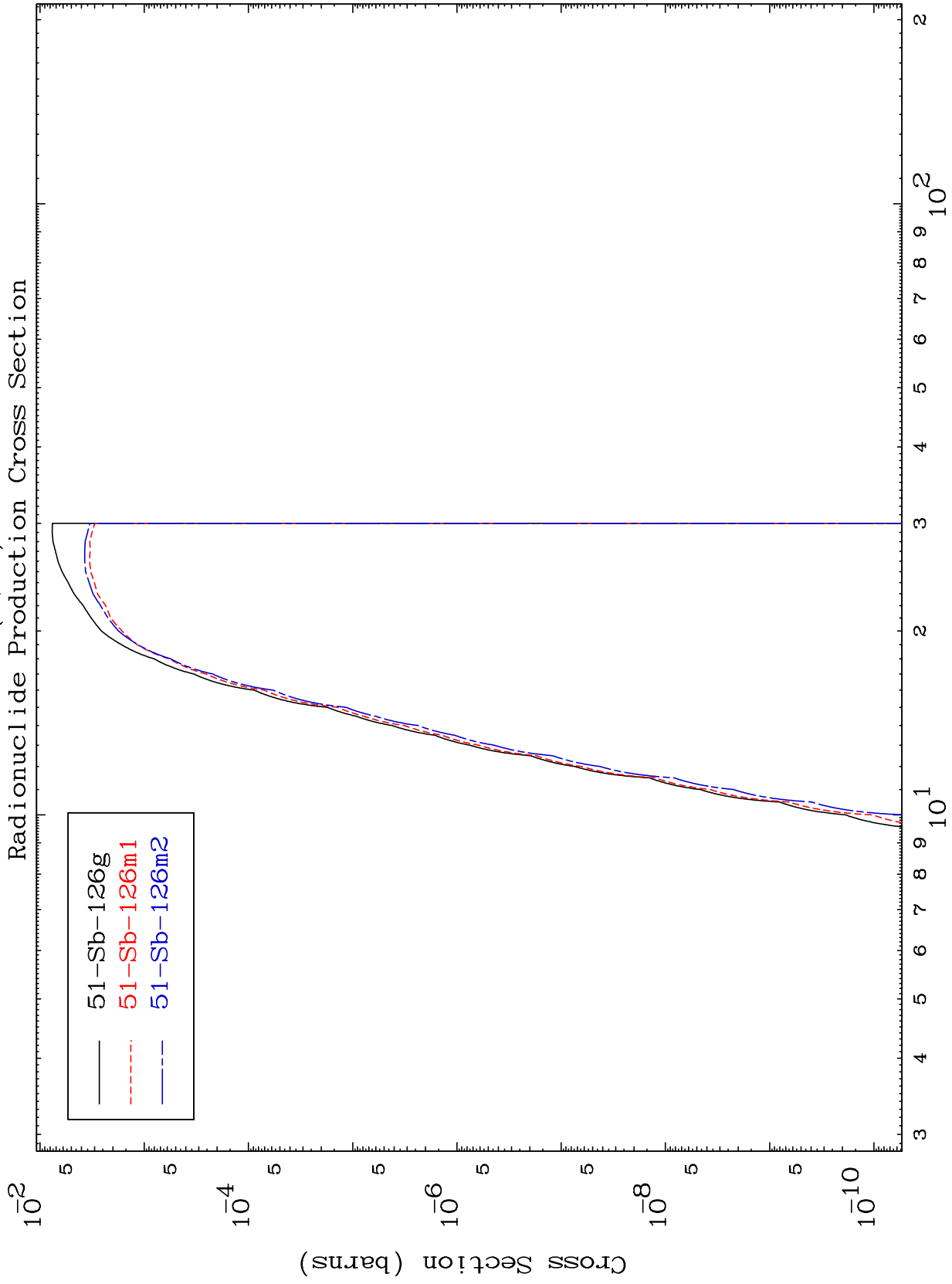
Incident Energy (MeV)

53-I -130

MAT 5334

(n,n')  $\alpha$

53-I -130



51-Sb-126g  
51-Sb-126m1  
51-Sb-126m2

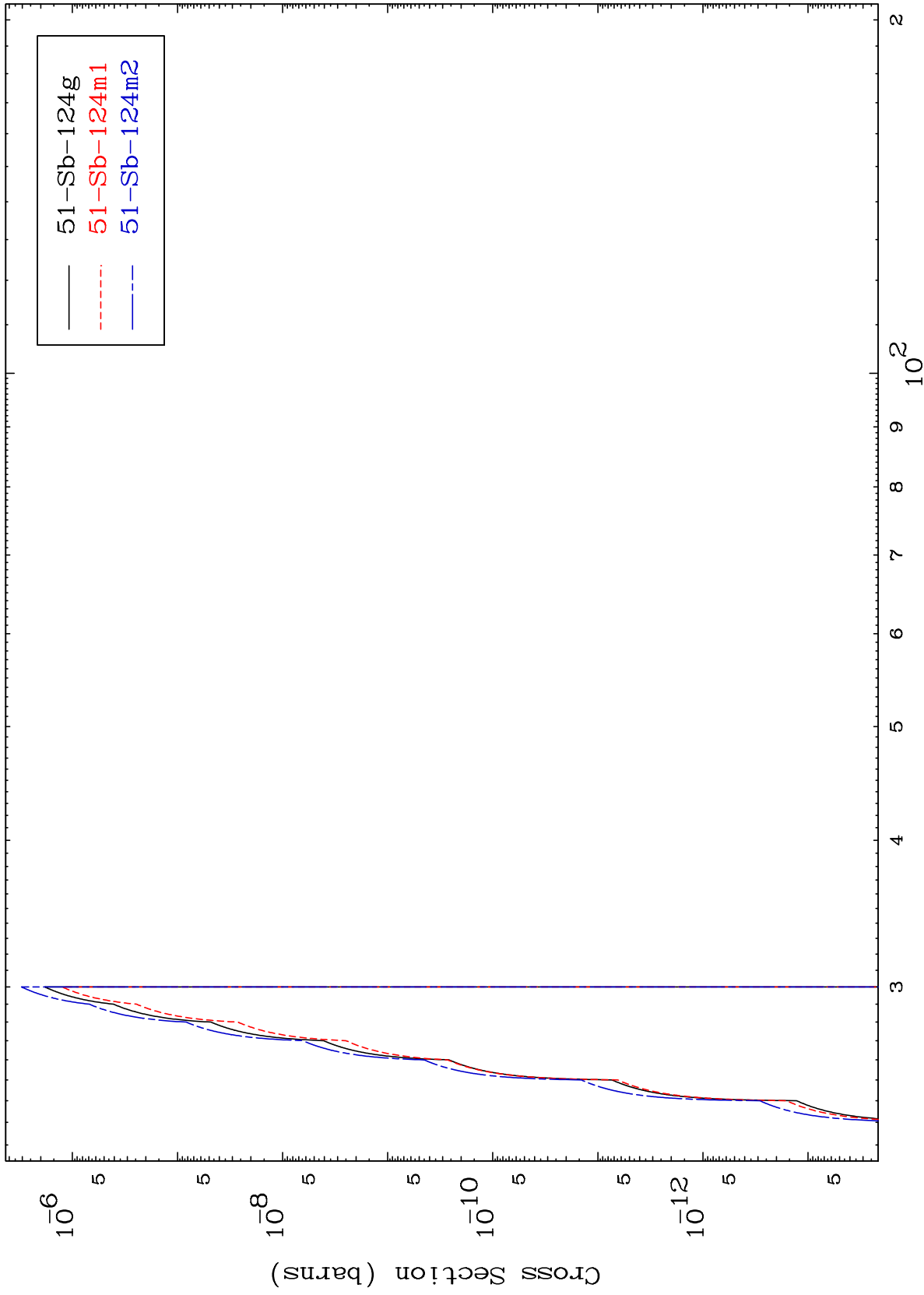
127

Incident Energy (MeV)

53-I -130



Radionuclide Production Cross Section

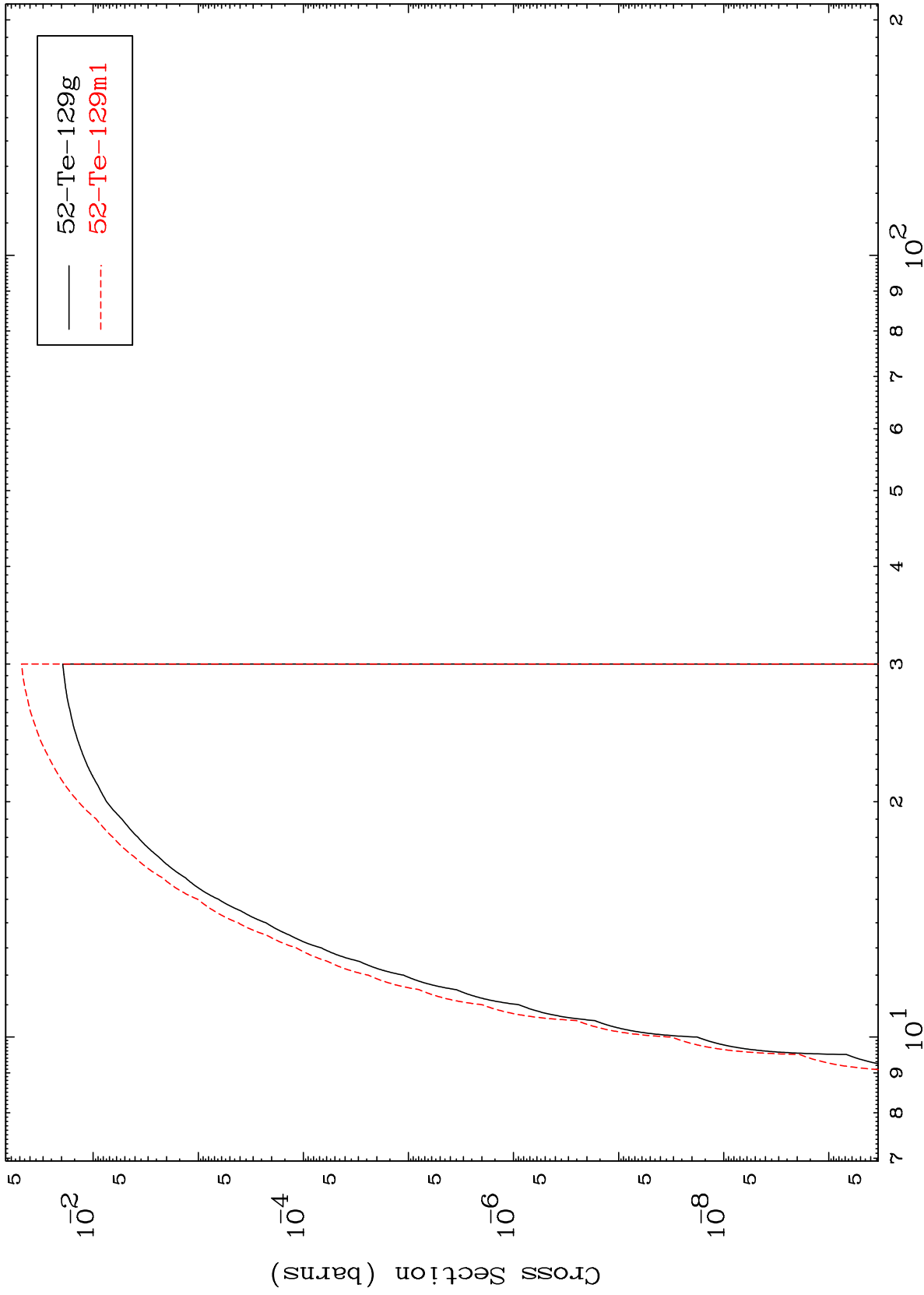


MAT 5334

(n,n') p

53-I -130

Radionuclide Production Cross Section



129

Incident Energy (MeV)

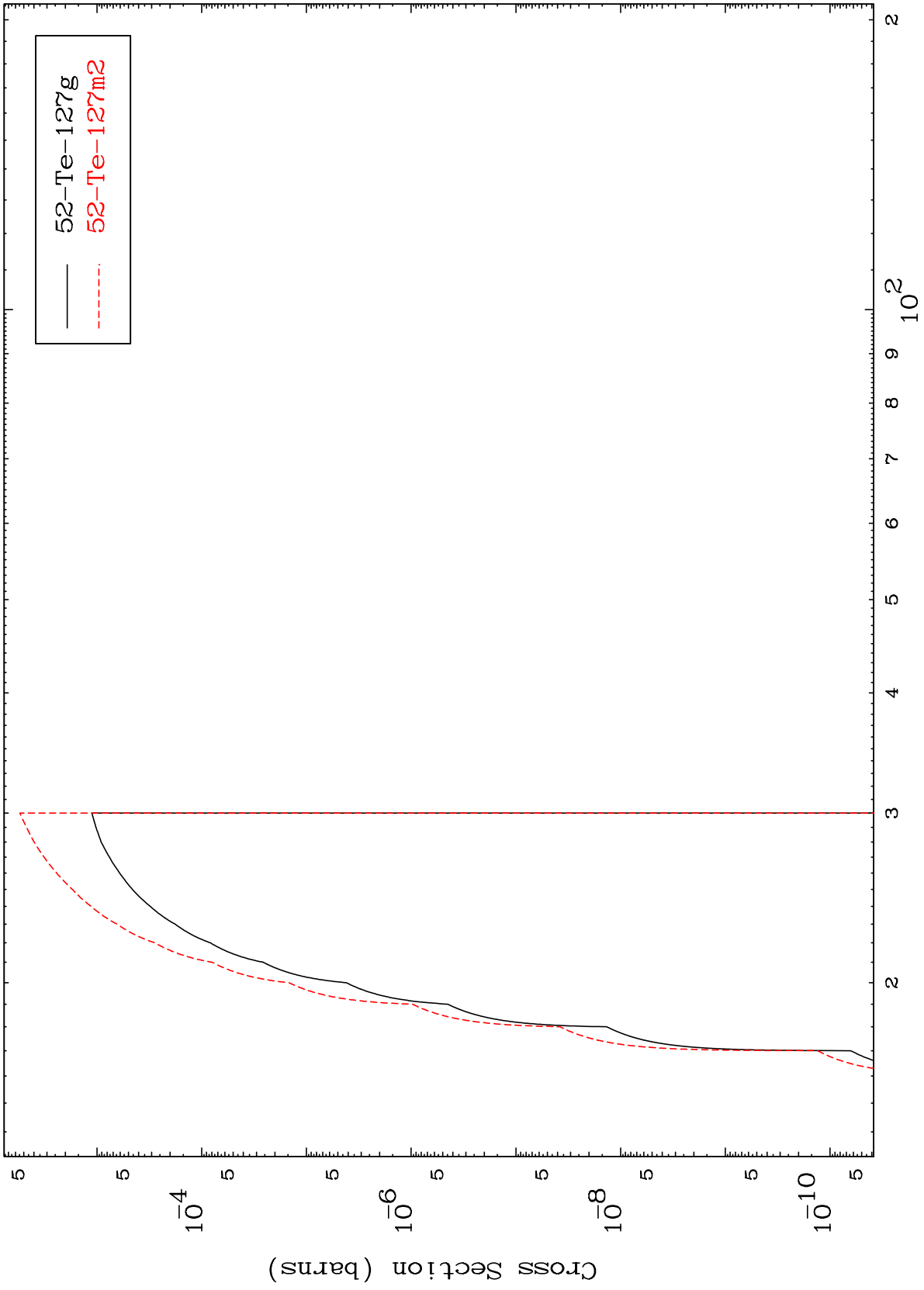
53-I -130

MAT 5334

(n,n') t

53-I -130

Radionuclide Production Cross Section



130

Incident Energy (MeV)

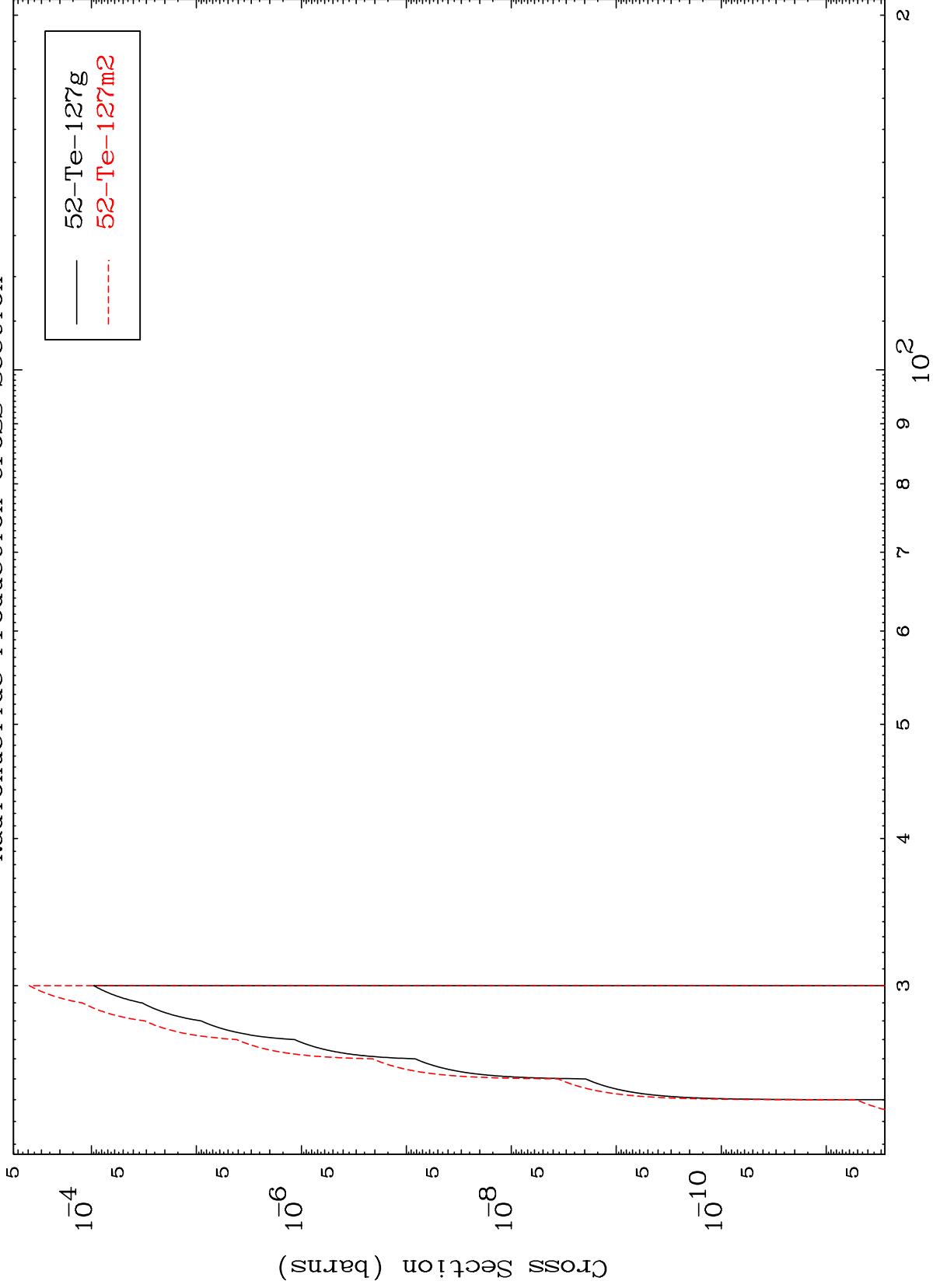
53-I -130

MAT 5334

(n,3n) p

53-I -130

Radionuclide Production Cross Section



131

Incident Energy (MeV)

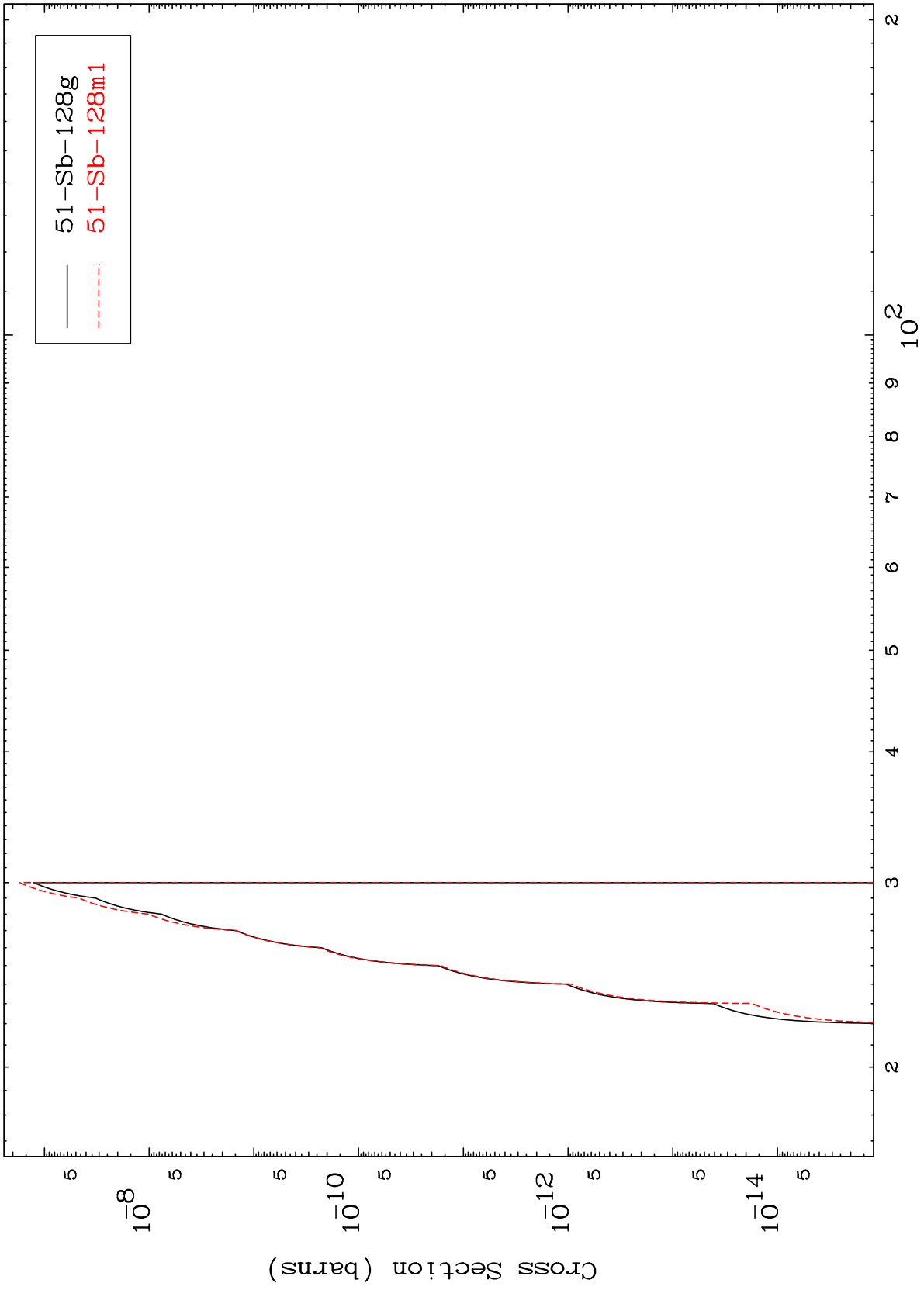
53-I -130

MAT 5334

(n,2n) p

53-I -130

Radionuclide Production Cross Section



132

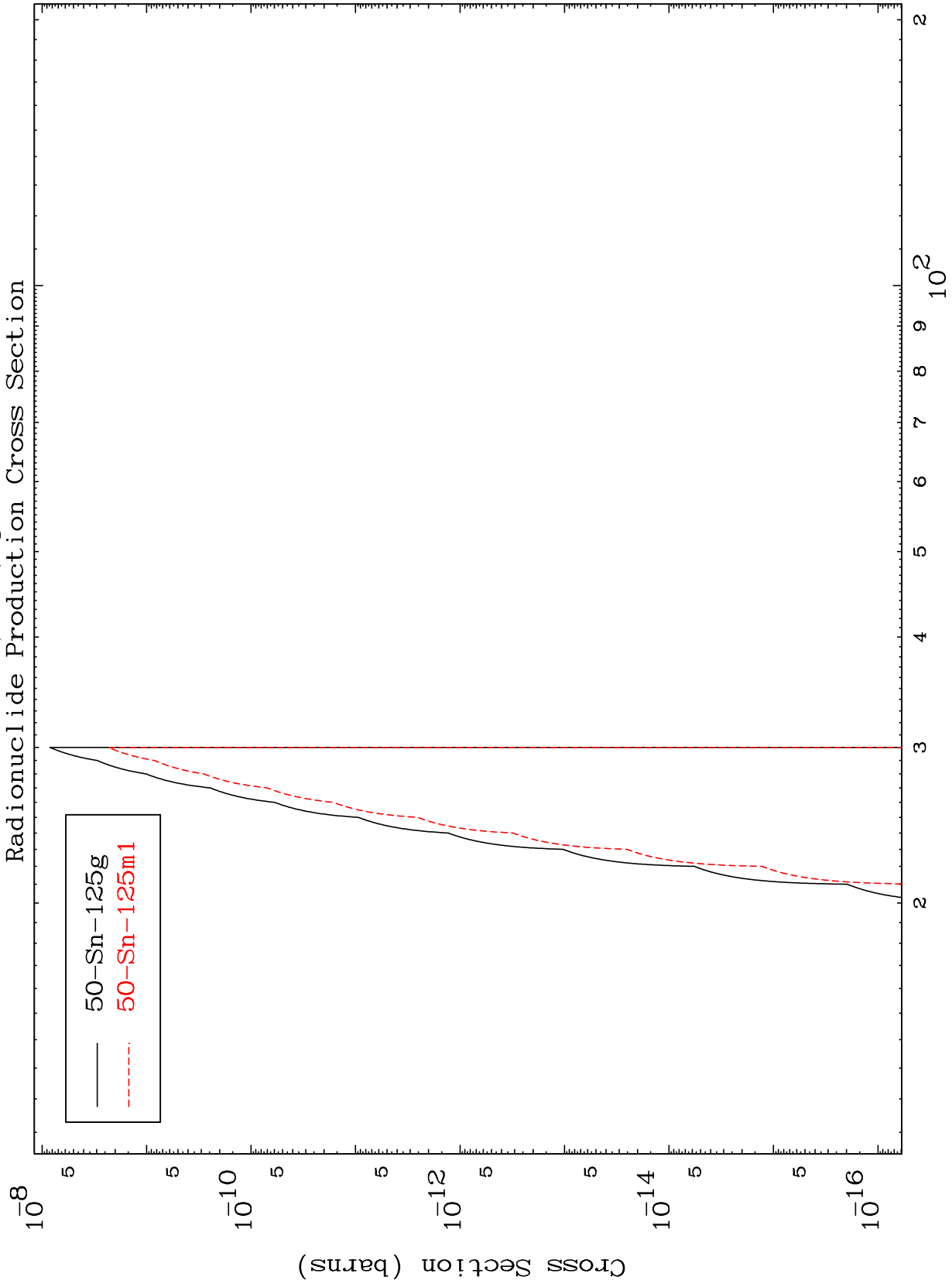
Incident Energy (MeV)

53-I -130

MAT 5334

(n,n') p  $\alpha$

53-I -130



133

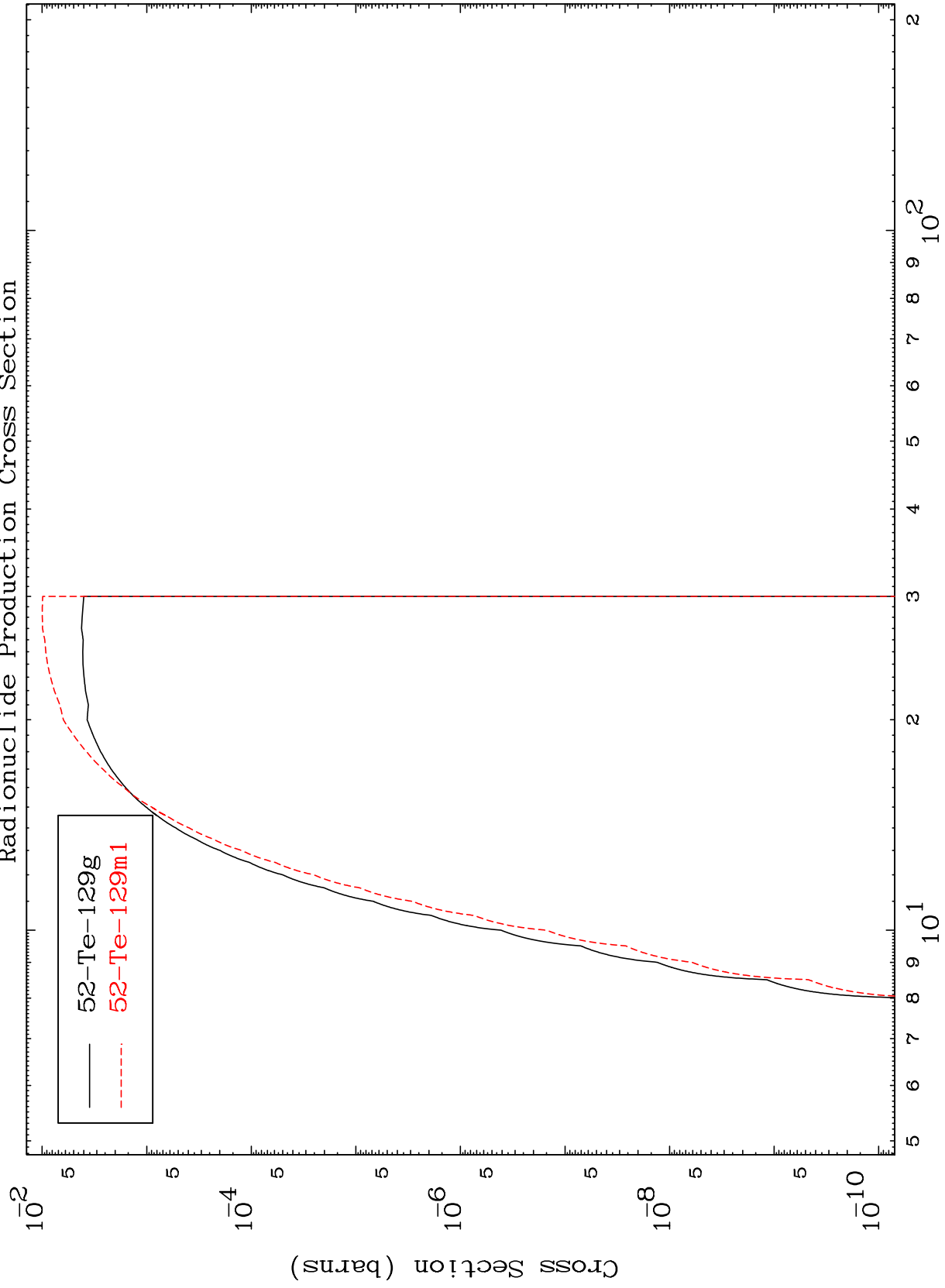
Incident Energy (MeV)

53-I -130

MAT 5334

53-I -130

Radionuclide Production Cross Section (n,d)



134

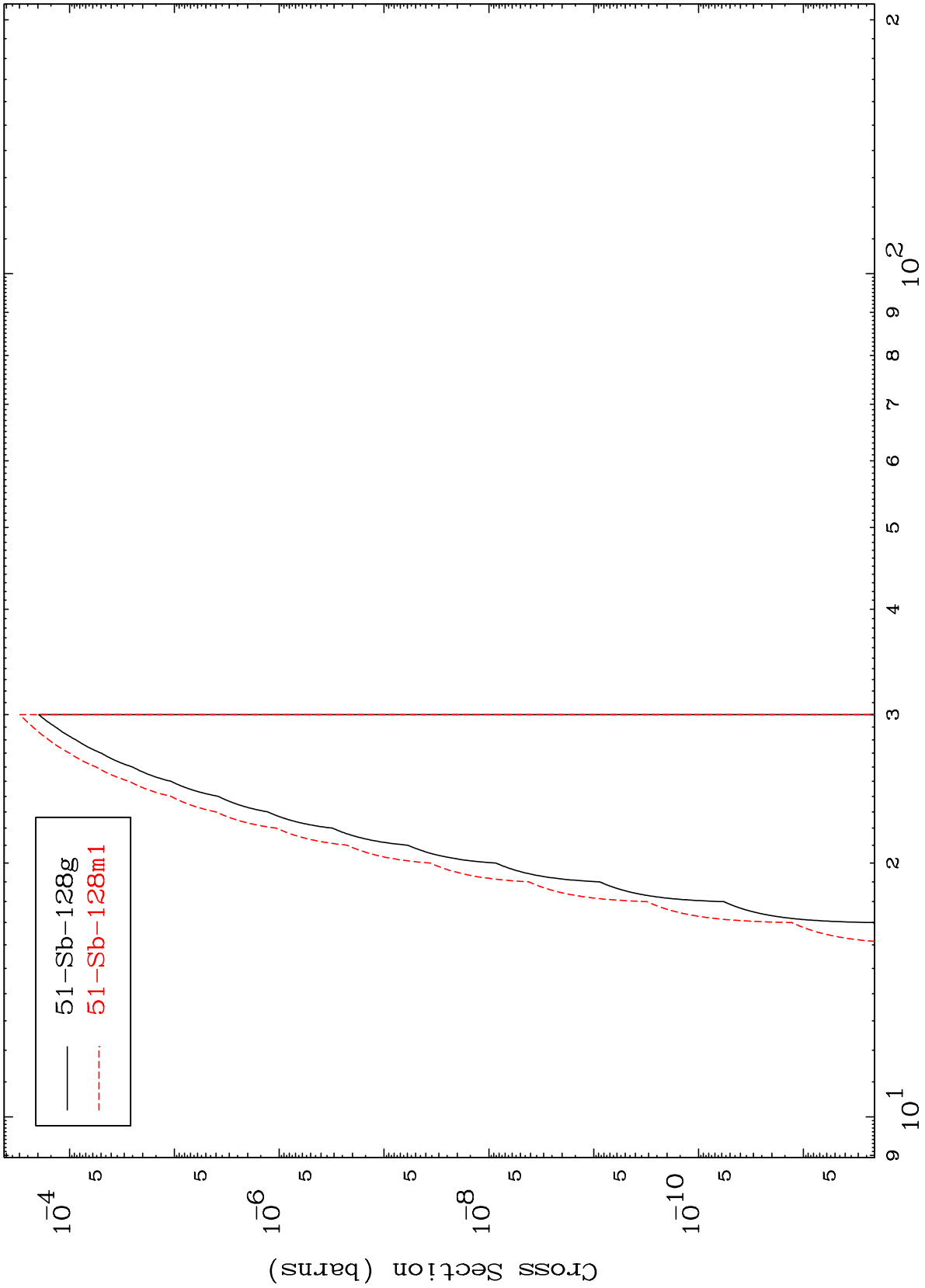
53-I -130

MAT 5334

(n,He-3)

53-I -130

Radionuclide Production Cross Section



135

Incident Energy (MeV)

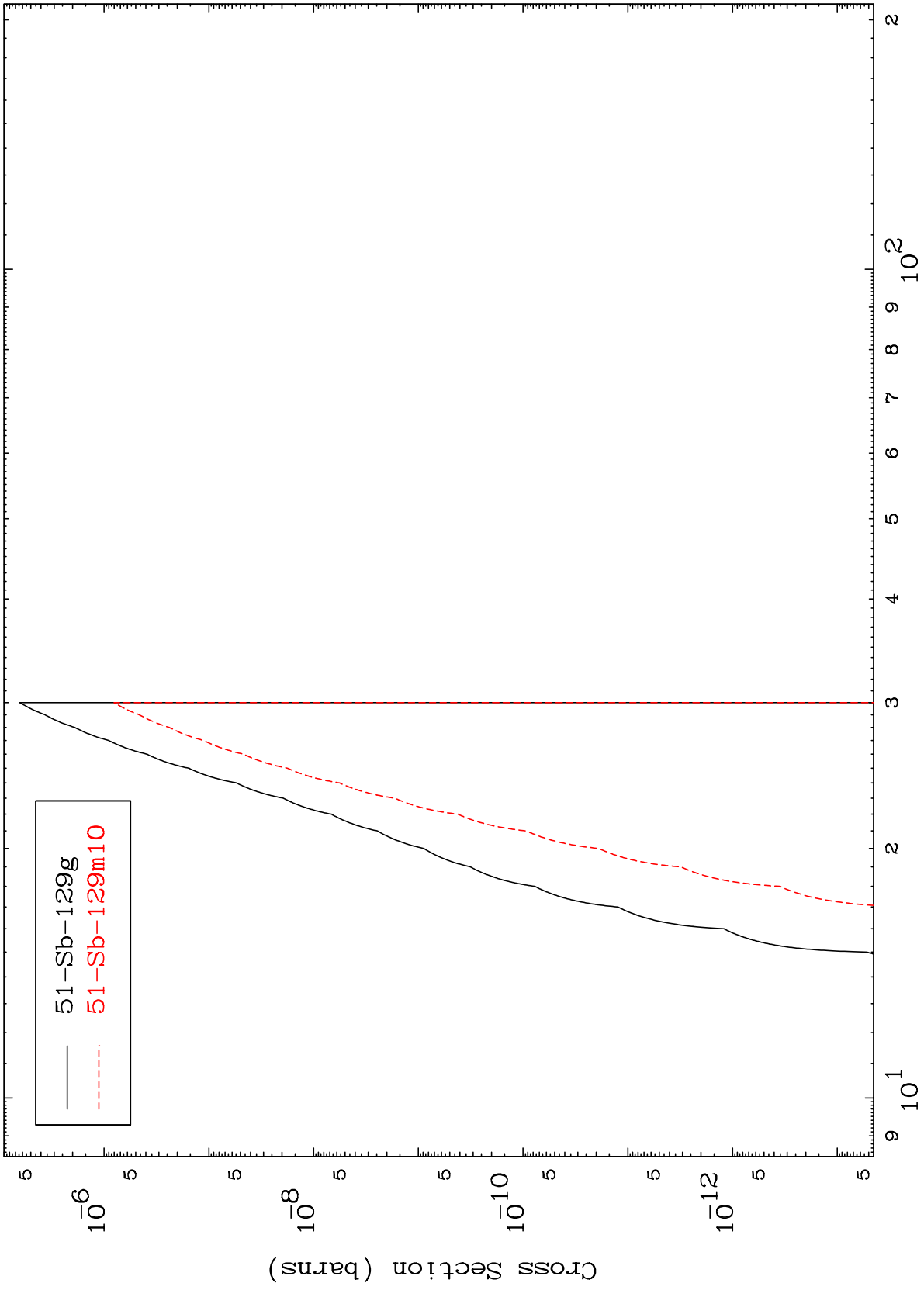
53-I -130



MAT 5334

53-I -130

Radionuclide Production Cross Section (n,2p)



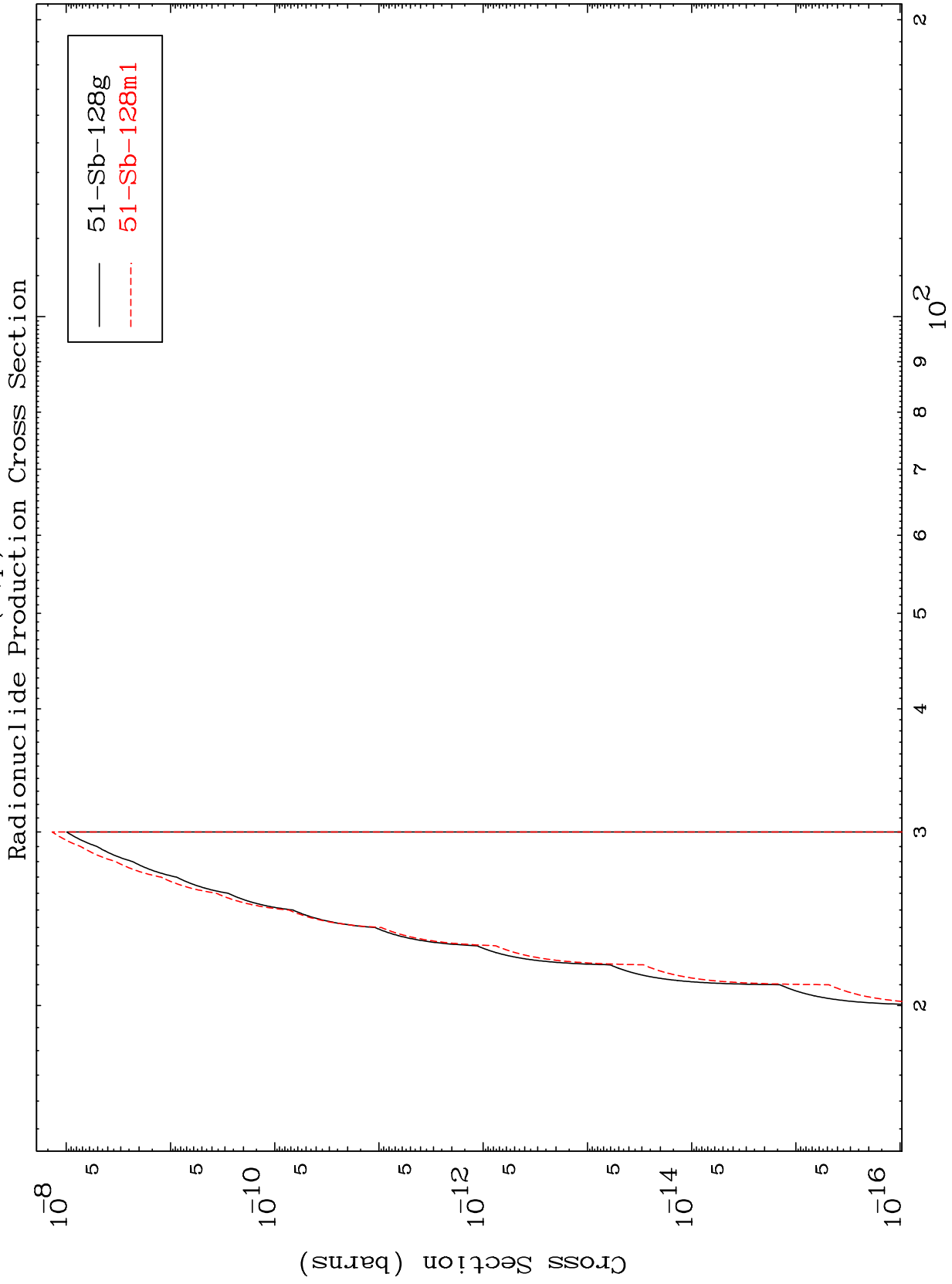
136

53-I -130

MAT 5334

(n,p) d

53-I -130



137

Incident Energy (MeV)

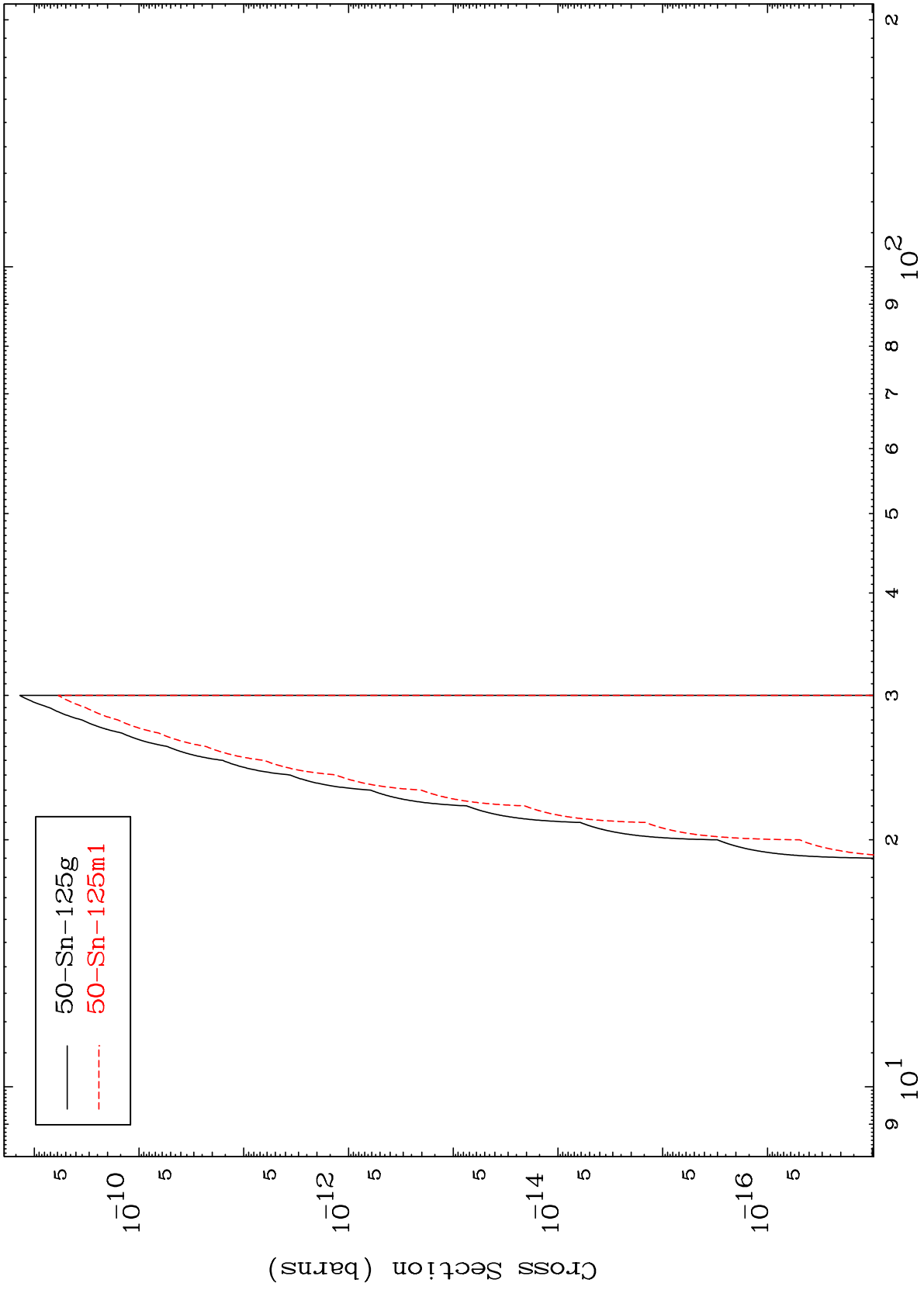
53-I -130

MAT 5334

(n,d)  $\alpha$

53-I -130

Radionuclide Production Cross Section



138

Incident Energy (MeV)

53-I -130