

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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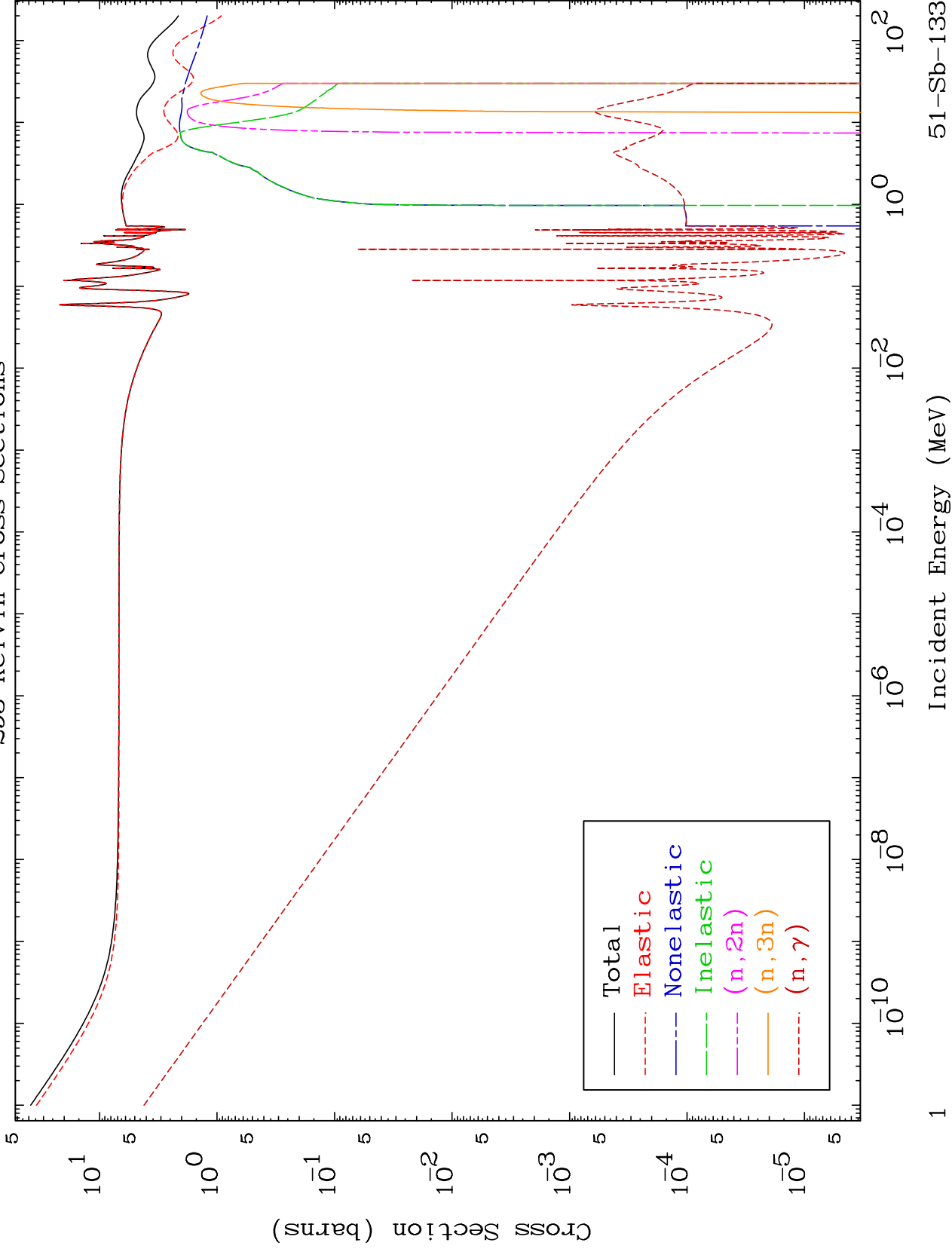
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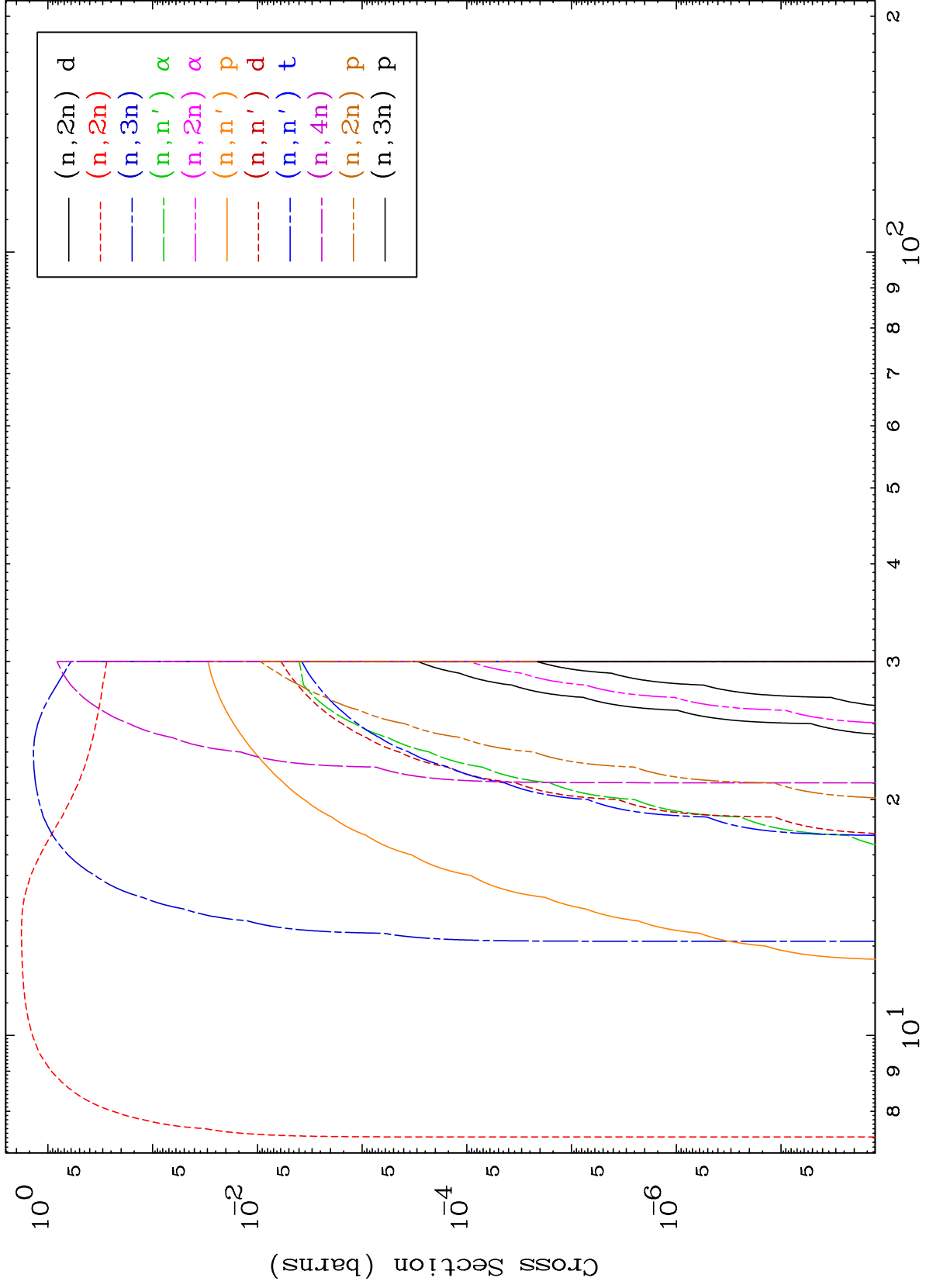
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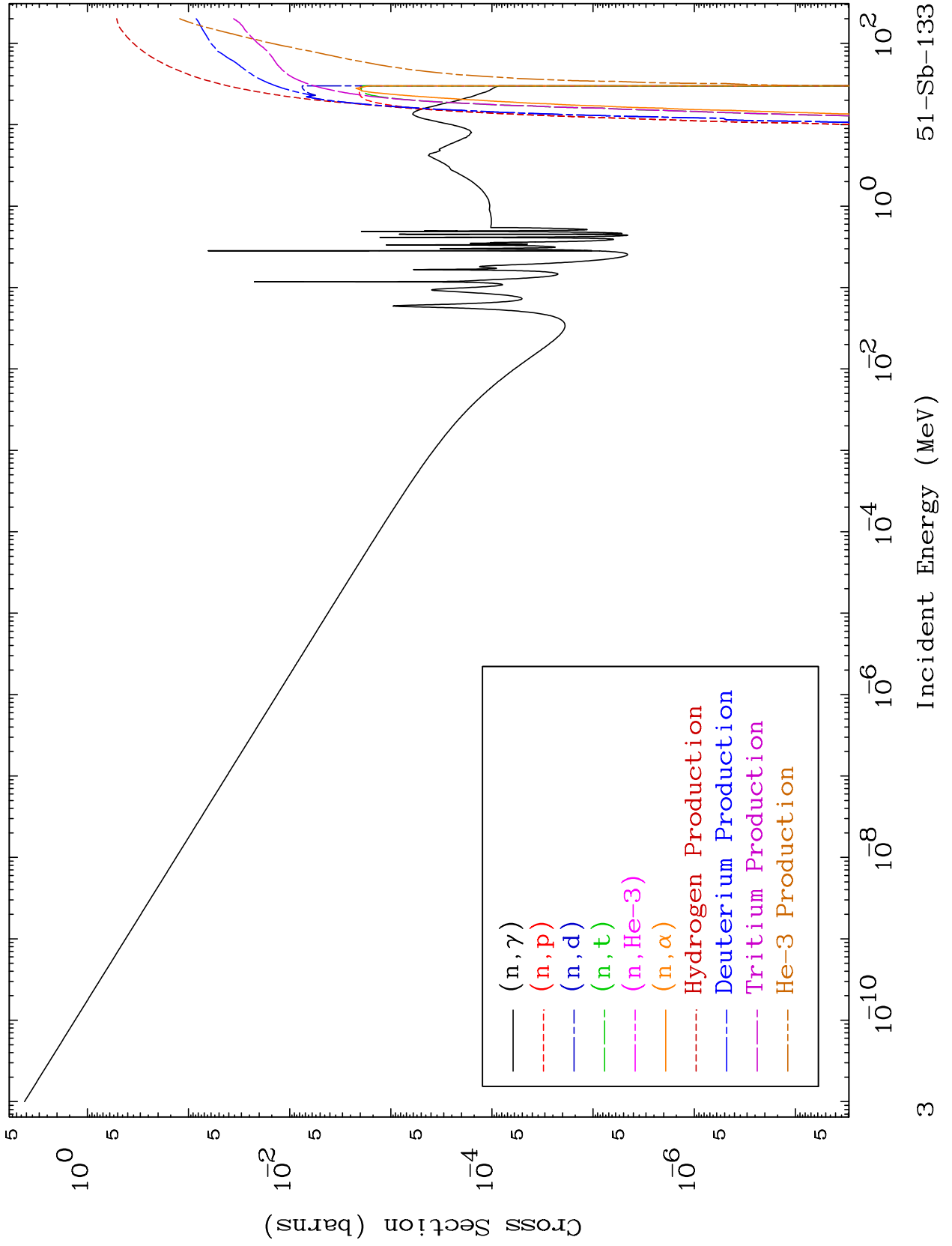
MAT 5161

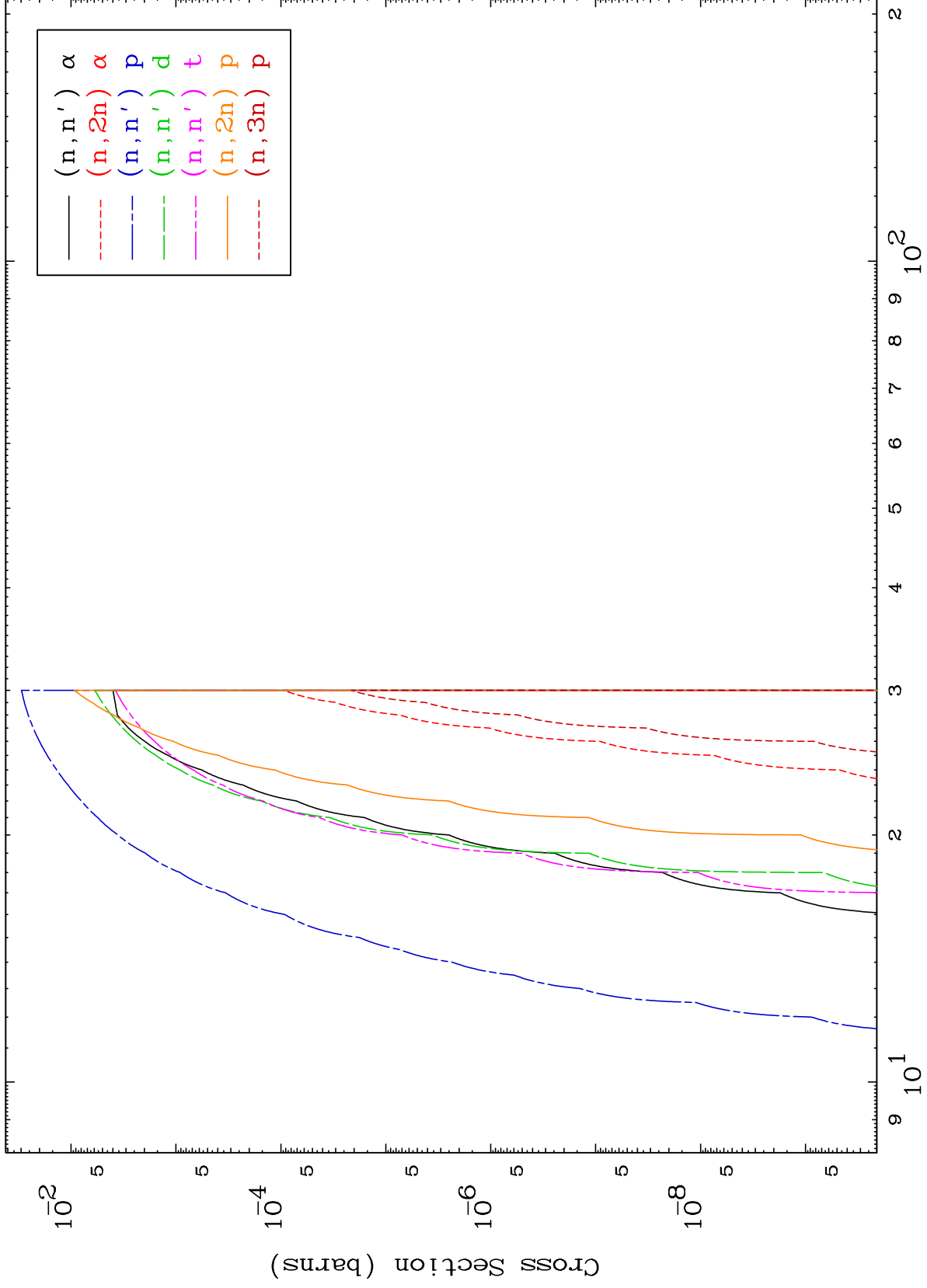
Neutron Major  
293 Kelvin Cross Sections

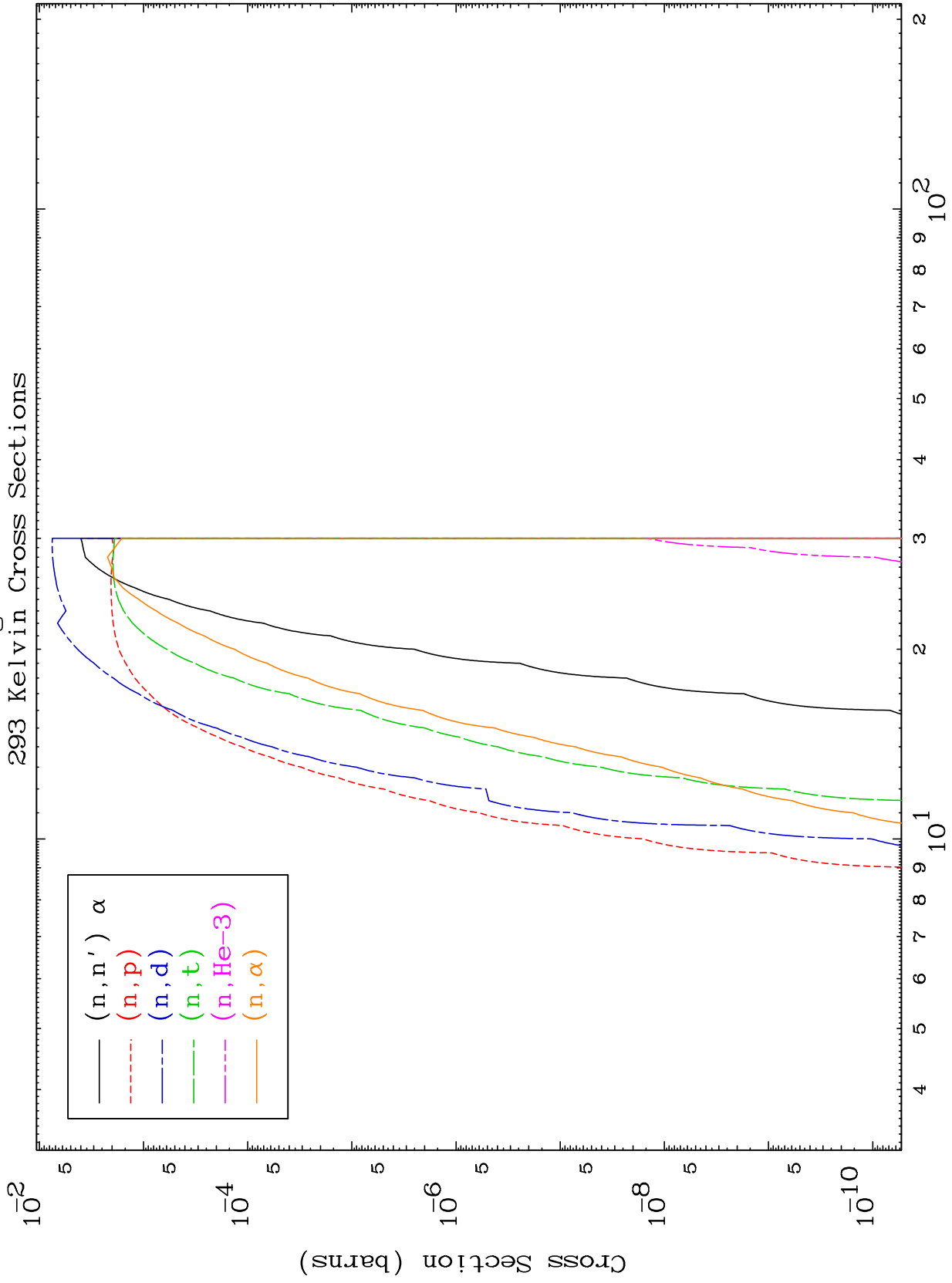
51-Sb-133

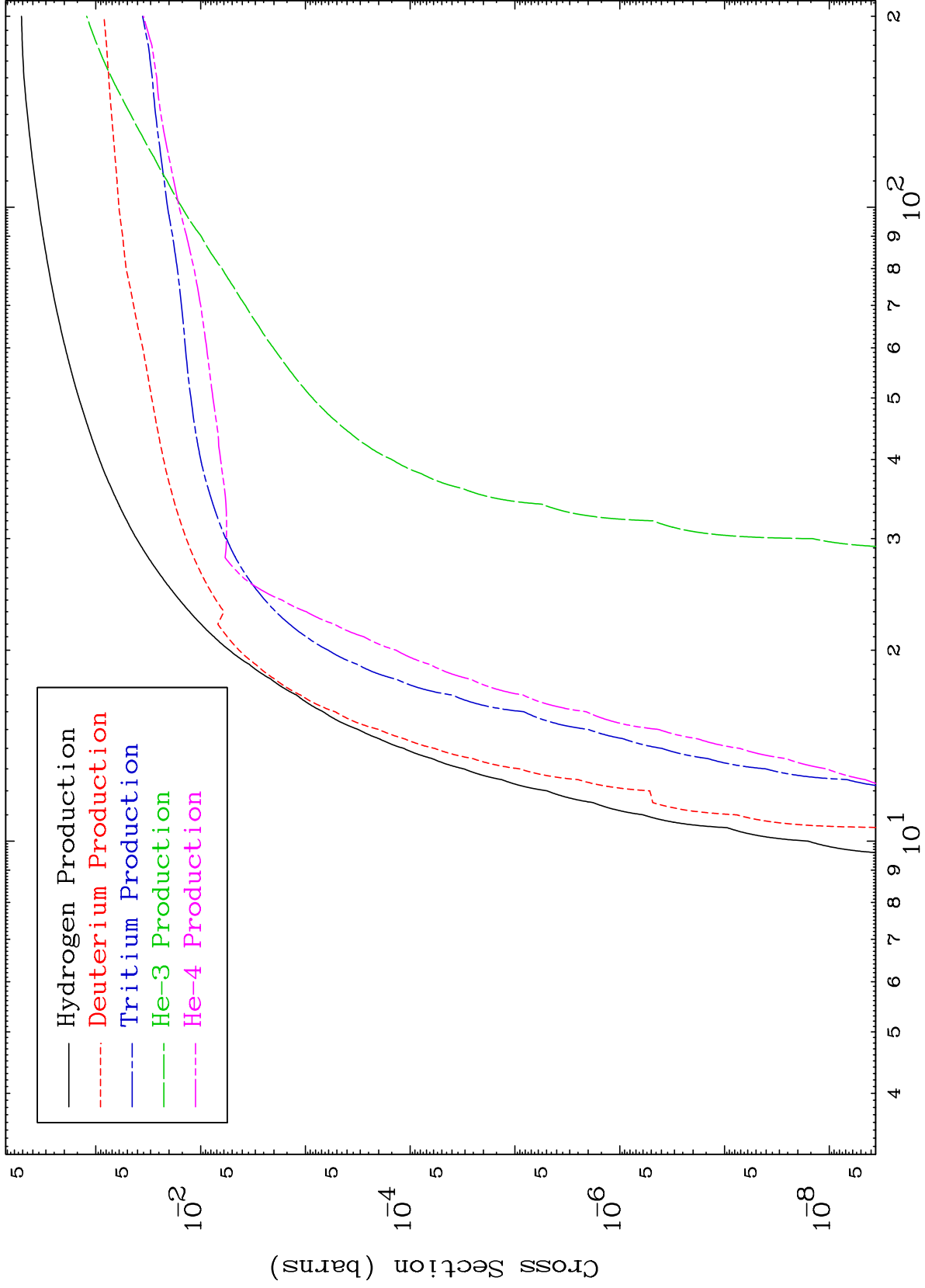










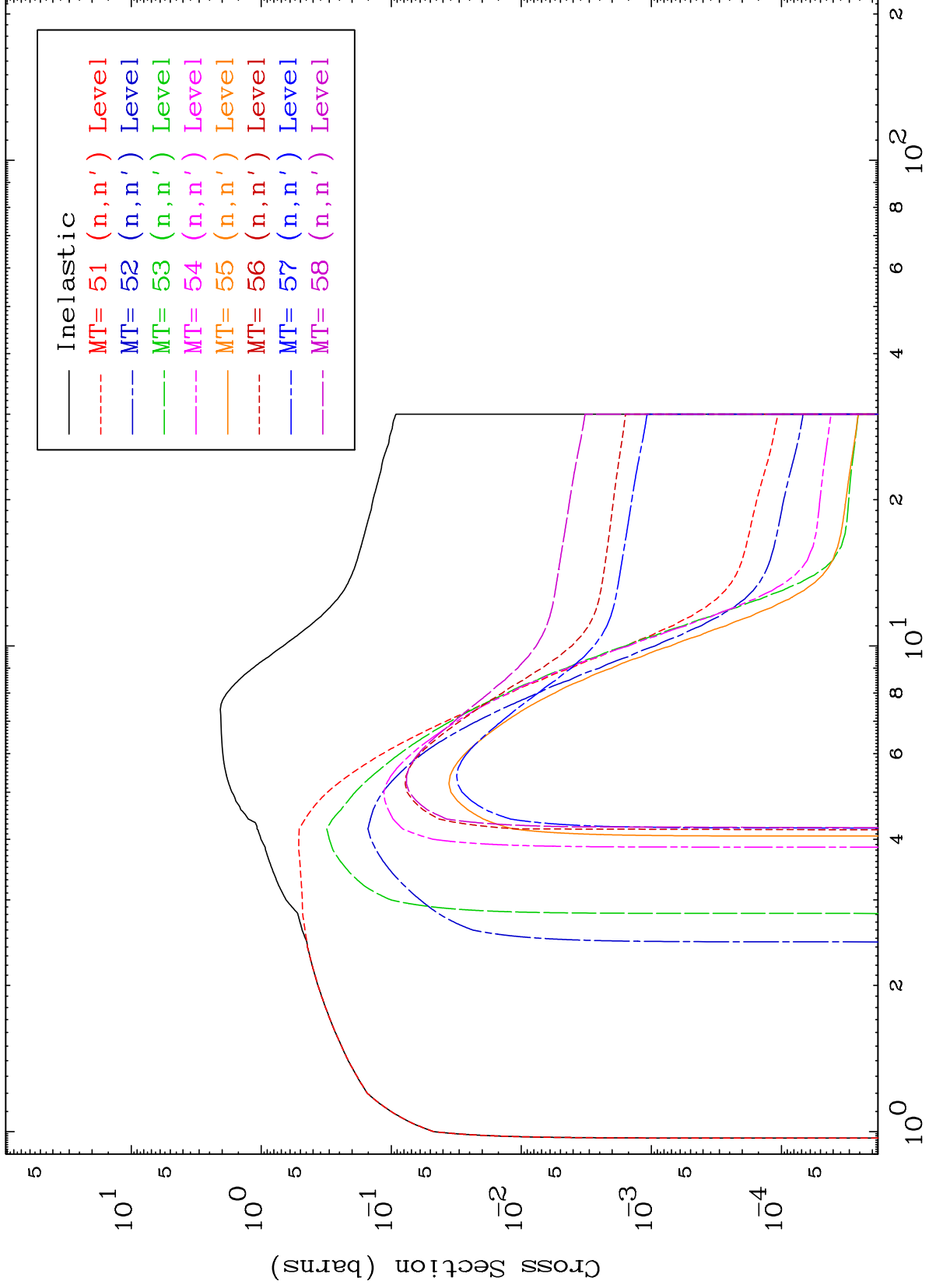


MAT 5161

(n,n') Levels

51-Sb-133

293 Kelvin Cross Sections



Incident Energy (MeV)

51-Sb-133

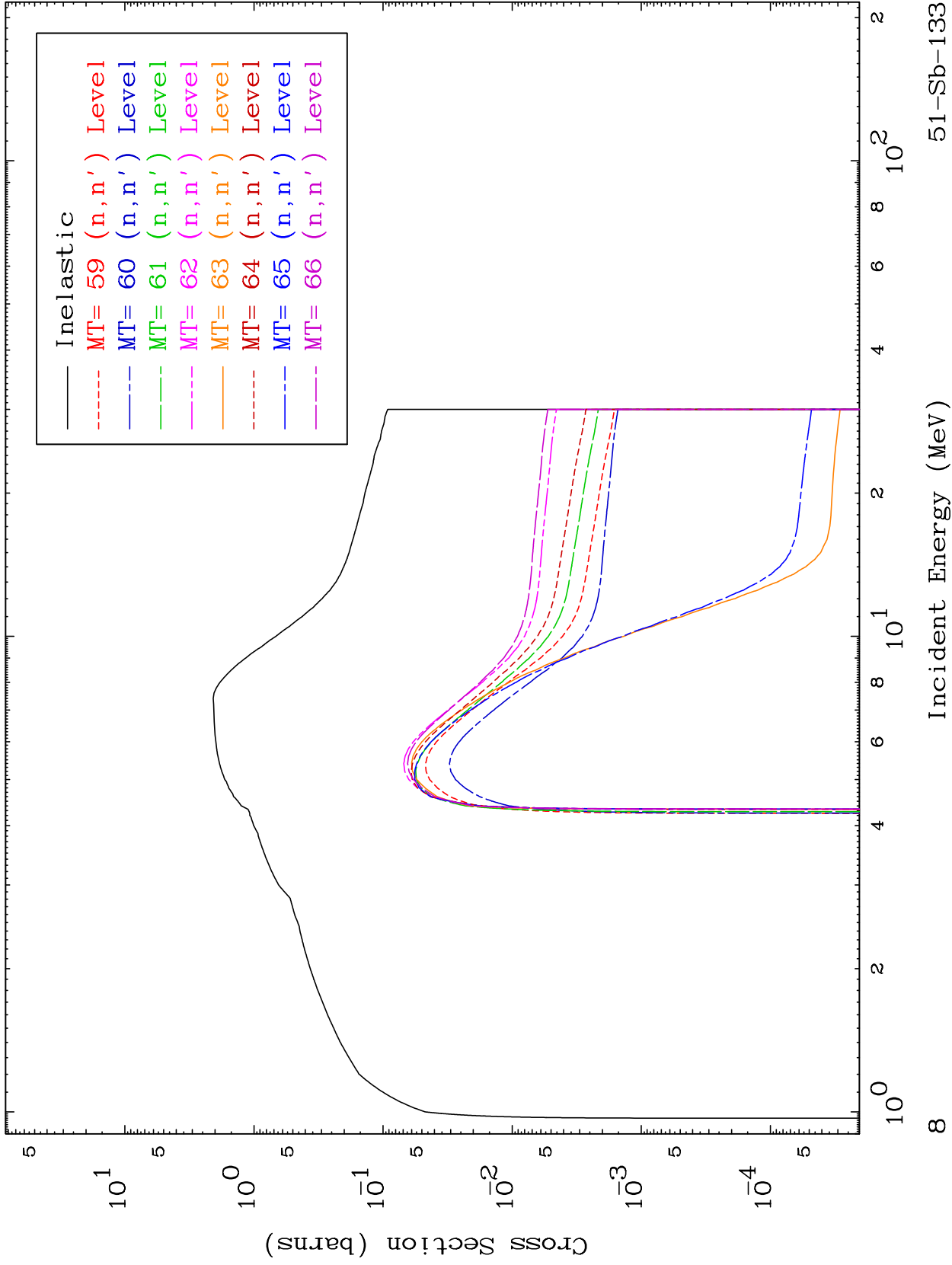


MAT 5161

(n,n') Levels

51-Sb-133

293 Kelvin Cross Sections

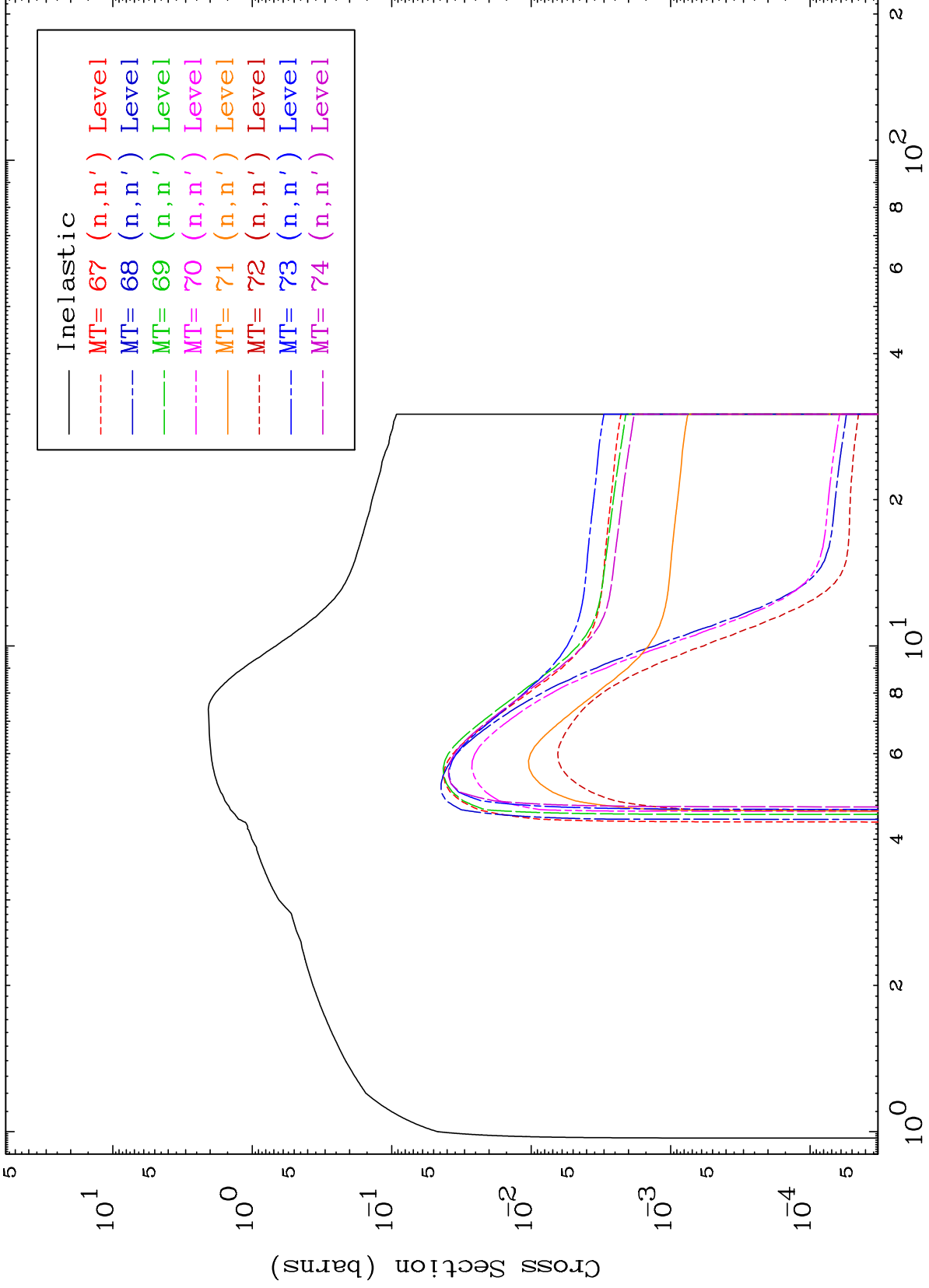


MAT 5161

(n,n') Levels

51-Sb-133

293 Kelvin Cross Sections



Incident Energy (MeV)

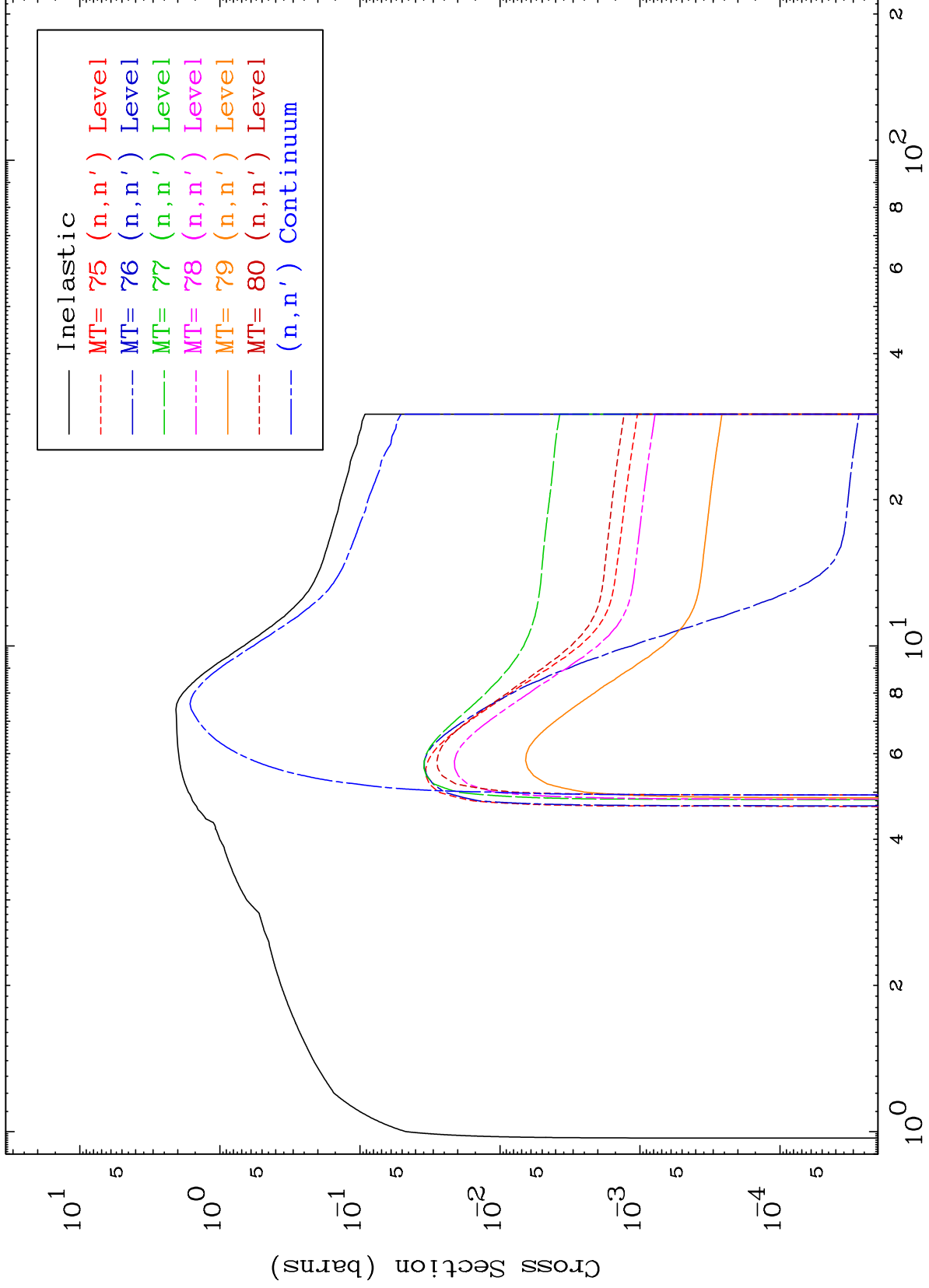
51-Sb-133

MAT 5161

(n,n') Levels

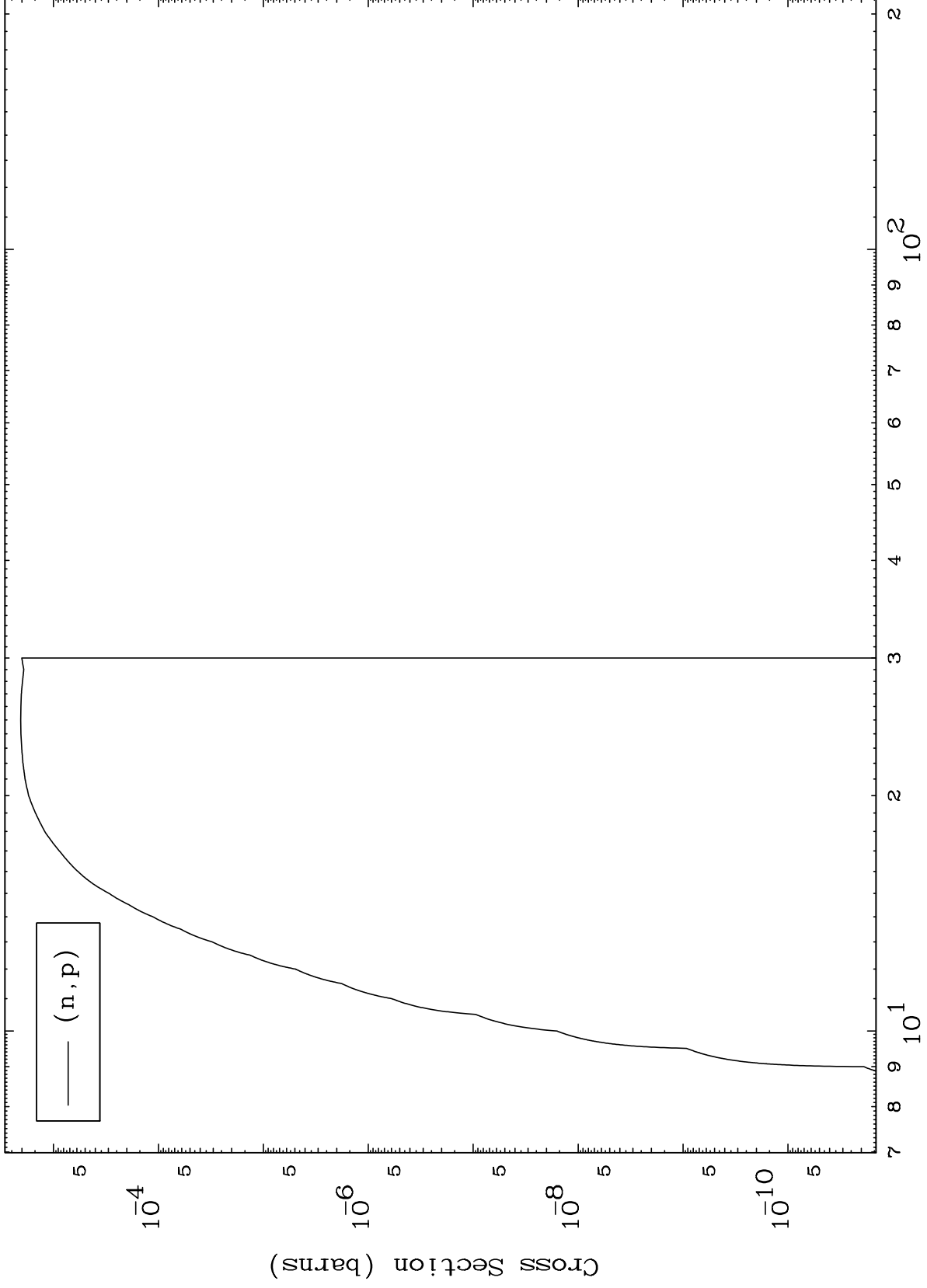
51-Sb-133

293 Kelvin Cross Sections



Incident Energy (MeV)

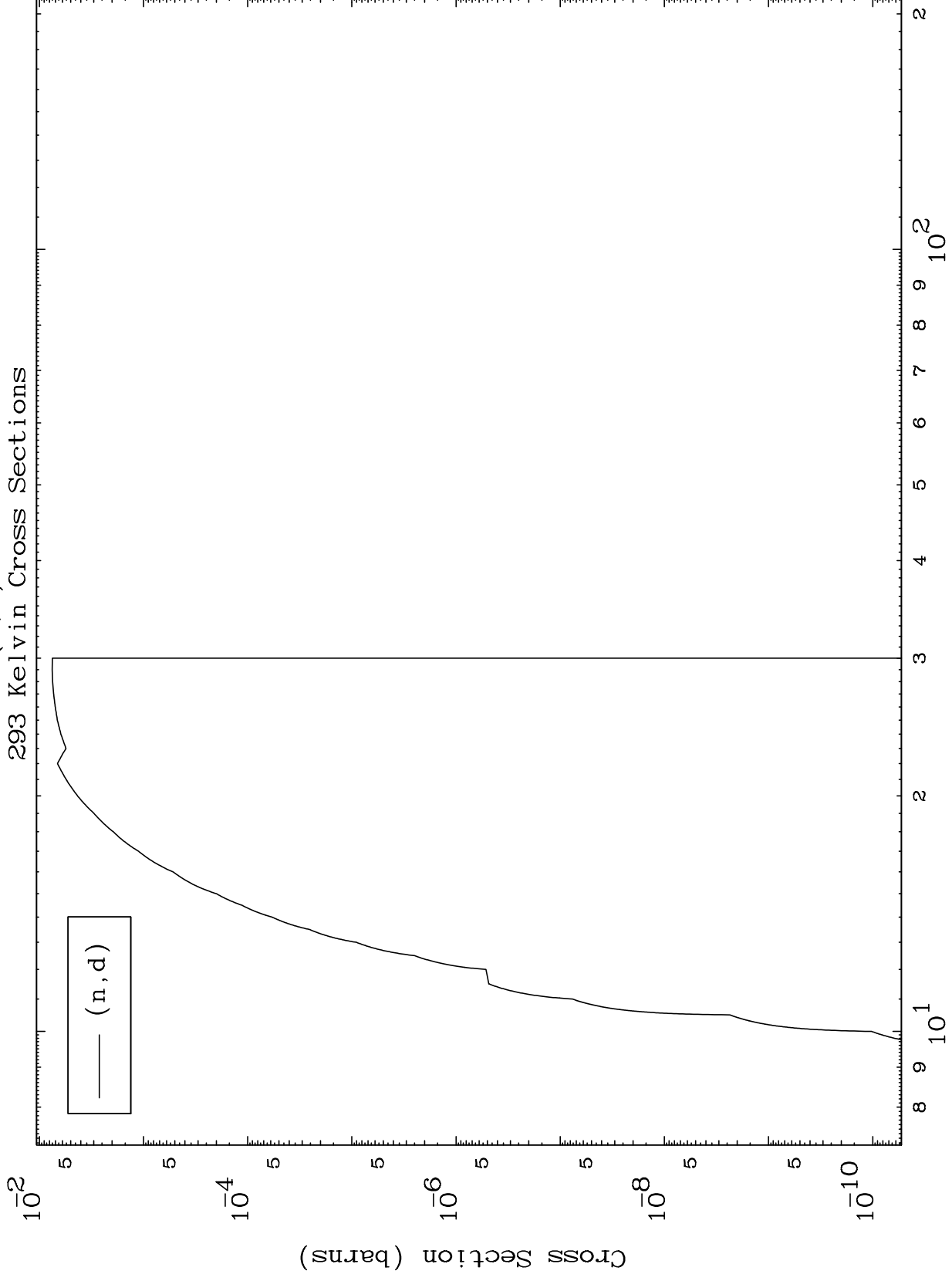
51-Sb-133



MAT 5161

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-133



12

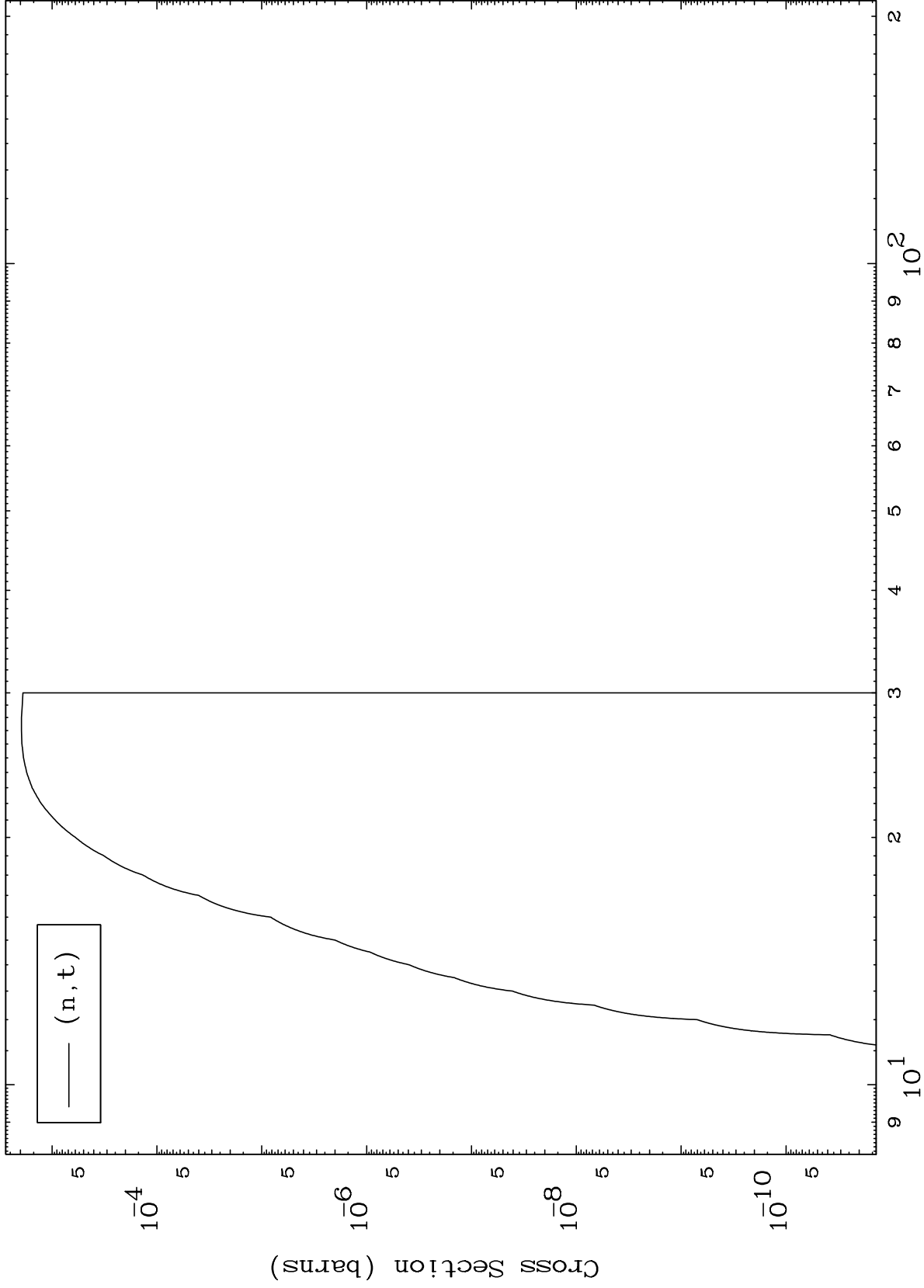
Incident Energy (MeV)

51-Sb-133

MAT 5161

(n,t) Levels  
293 Kelvin Cross Sections

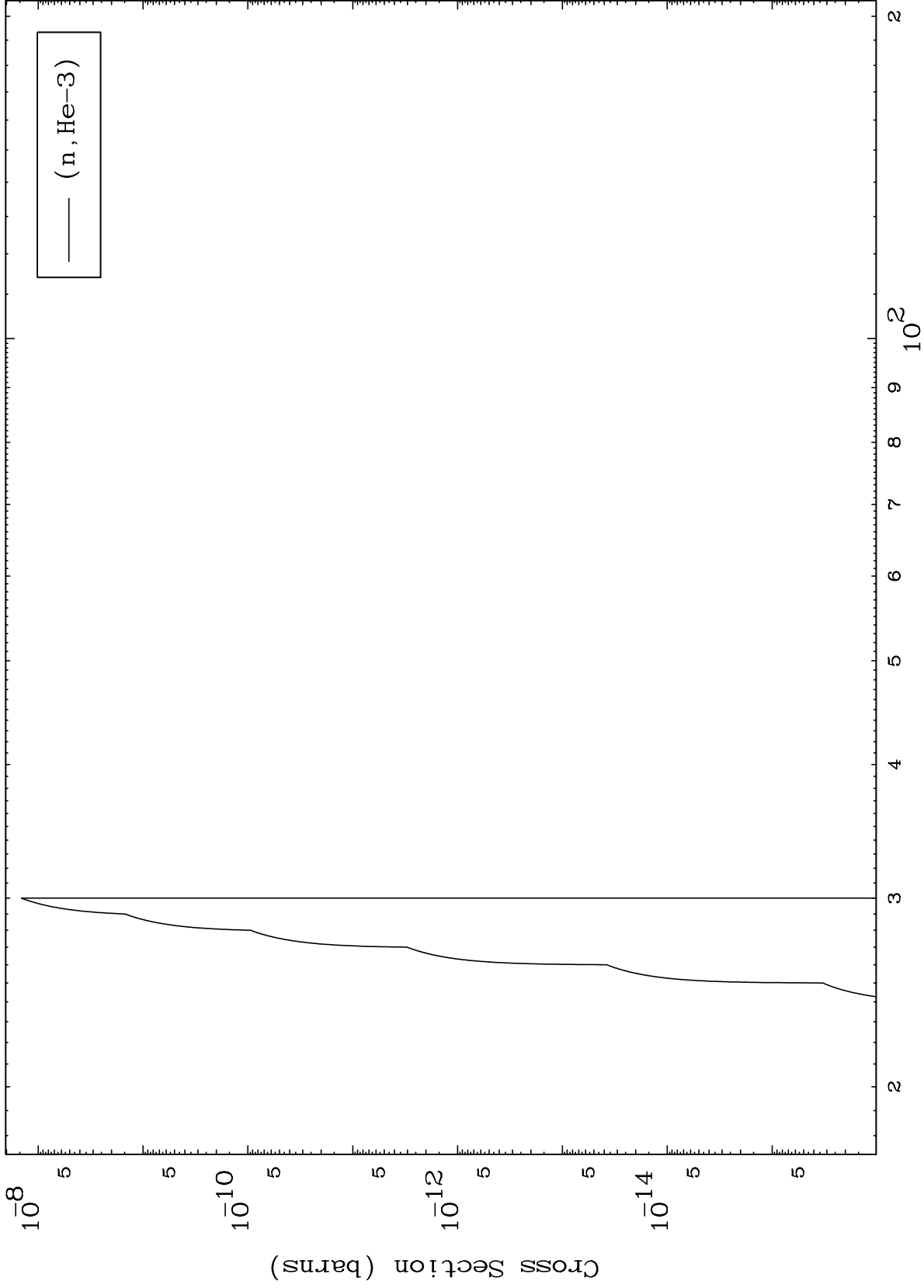
51-Sb-133



13

Incident Energy (MeV)

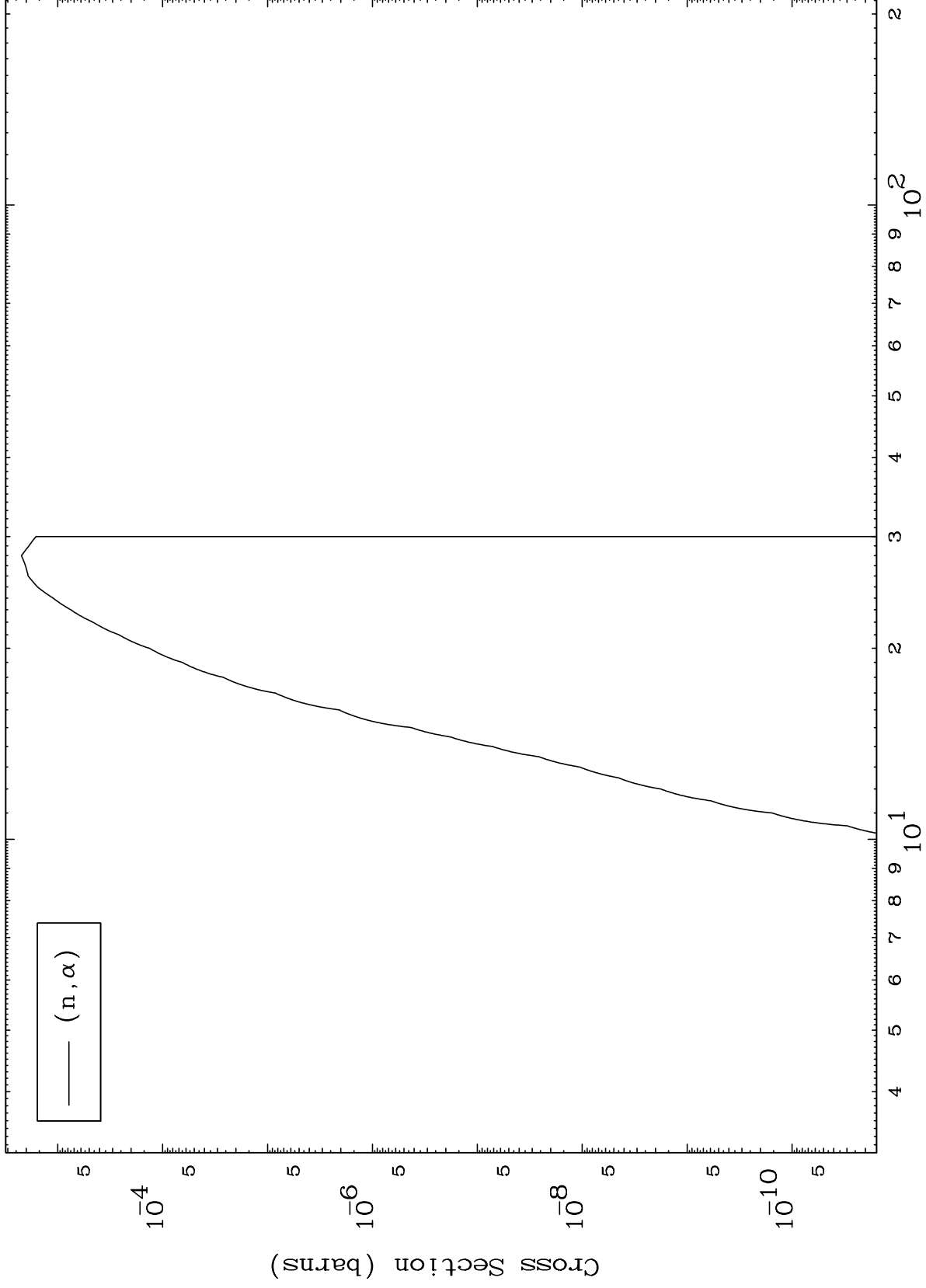
51-Sb-133



MAT 5161

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

51-Sb-133



15

Incident Energy (MeV)

51-Sb-133



MAT 5161

51-Sb-133

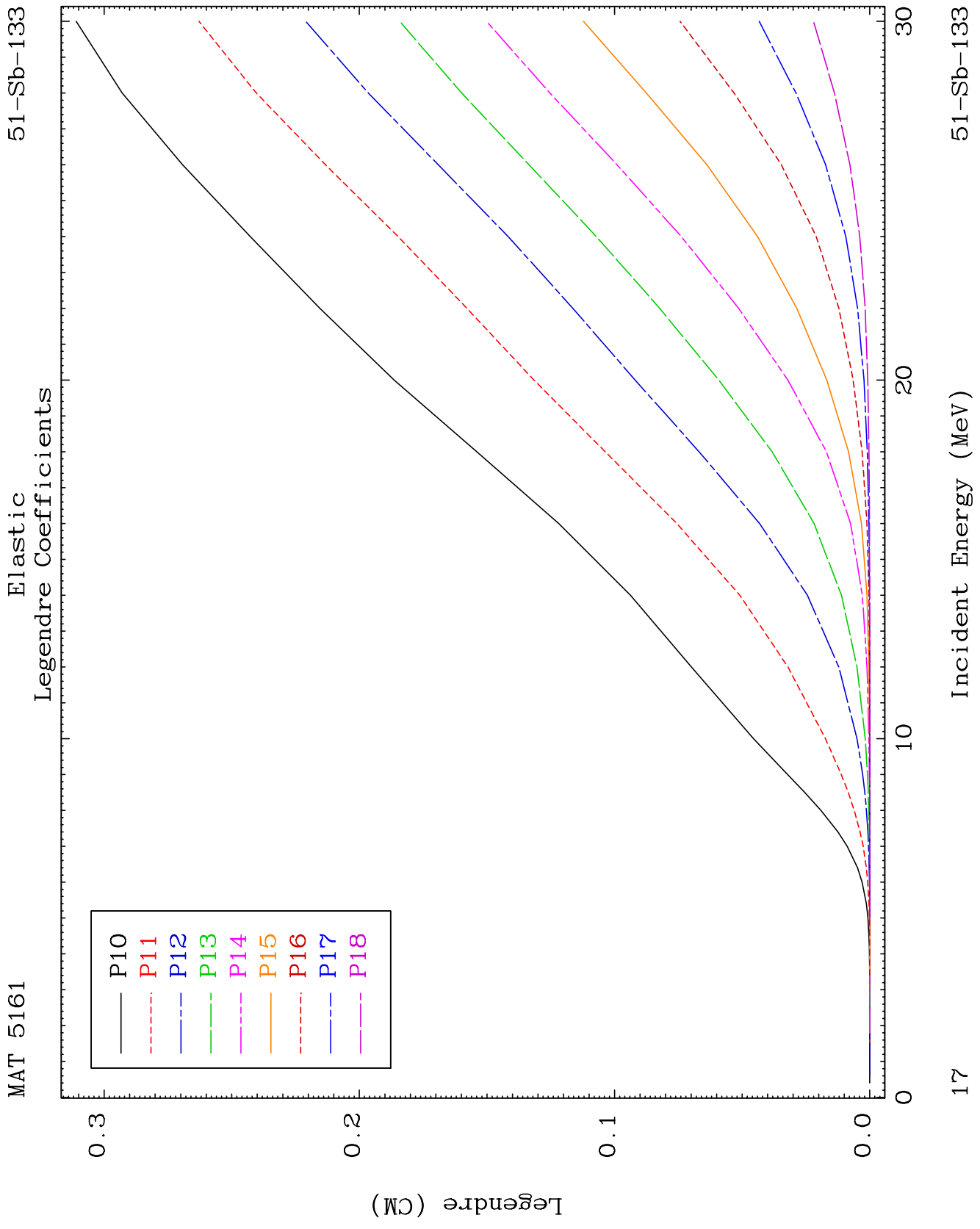
Elastic Legendre Coefficients



51-Sb-133

Incident Energy (MeV)

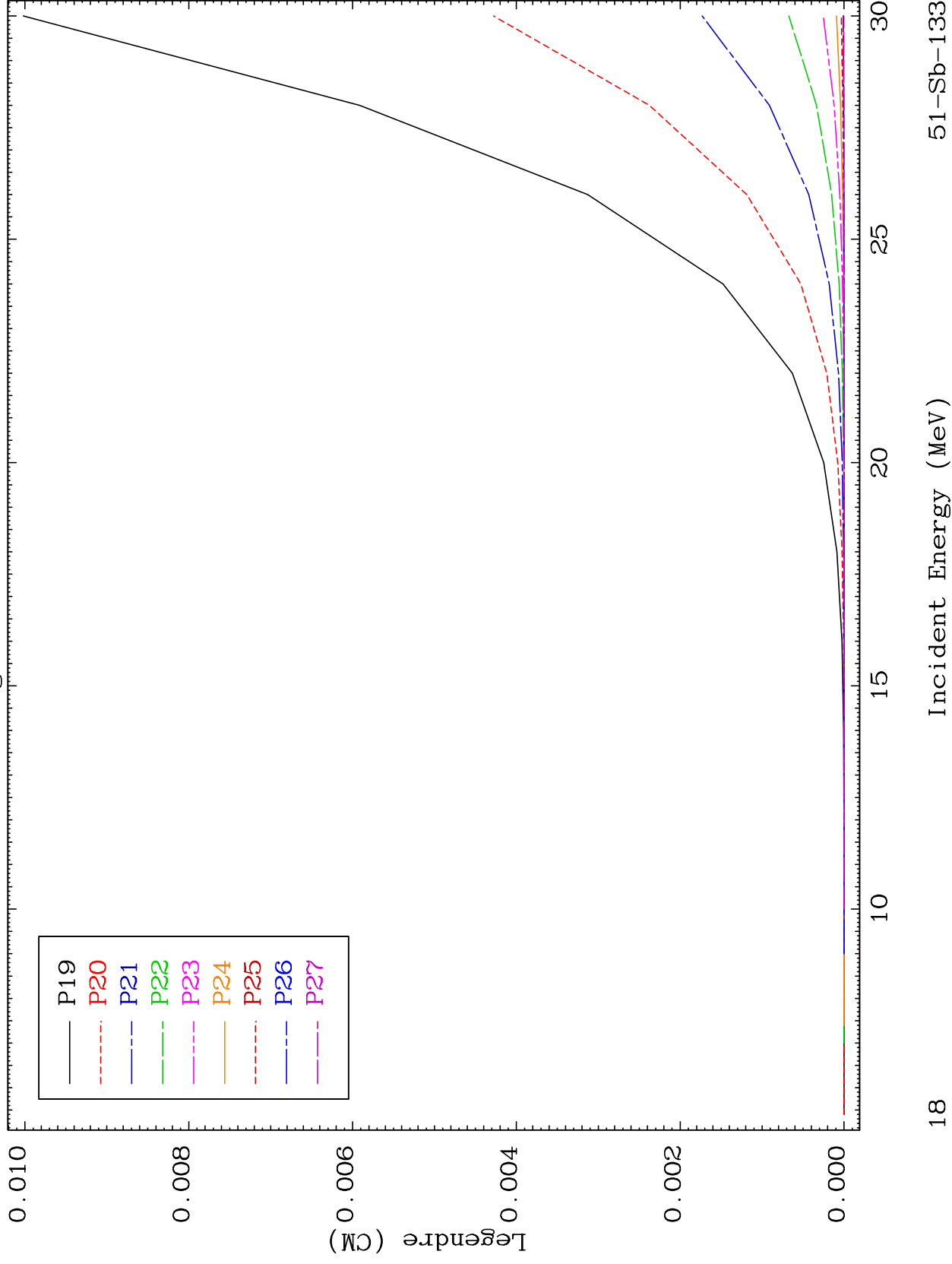
16



MAT 5161

### Elastic Legendre Coefficients

51-Sb-133



18

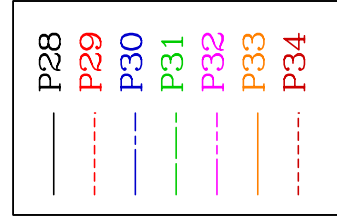
Incident Energy (MeV)

51-Sb-133

MAT 5161

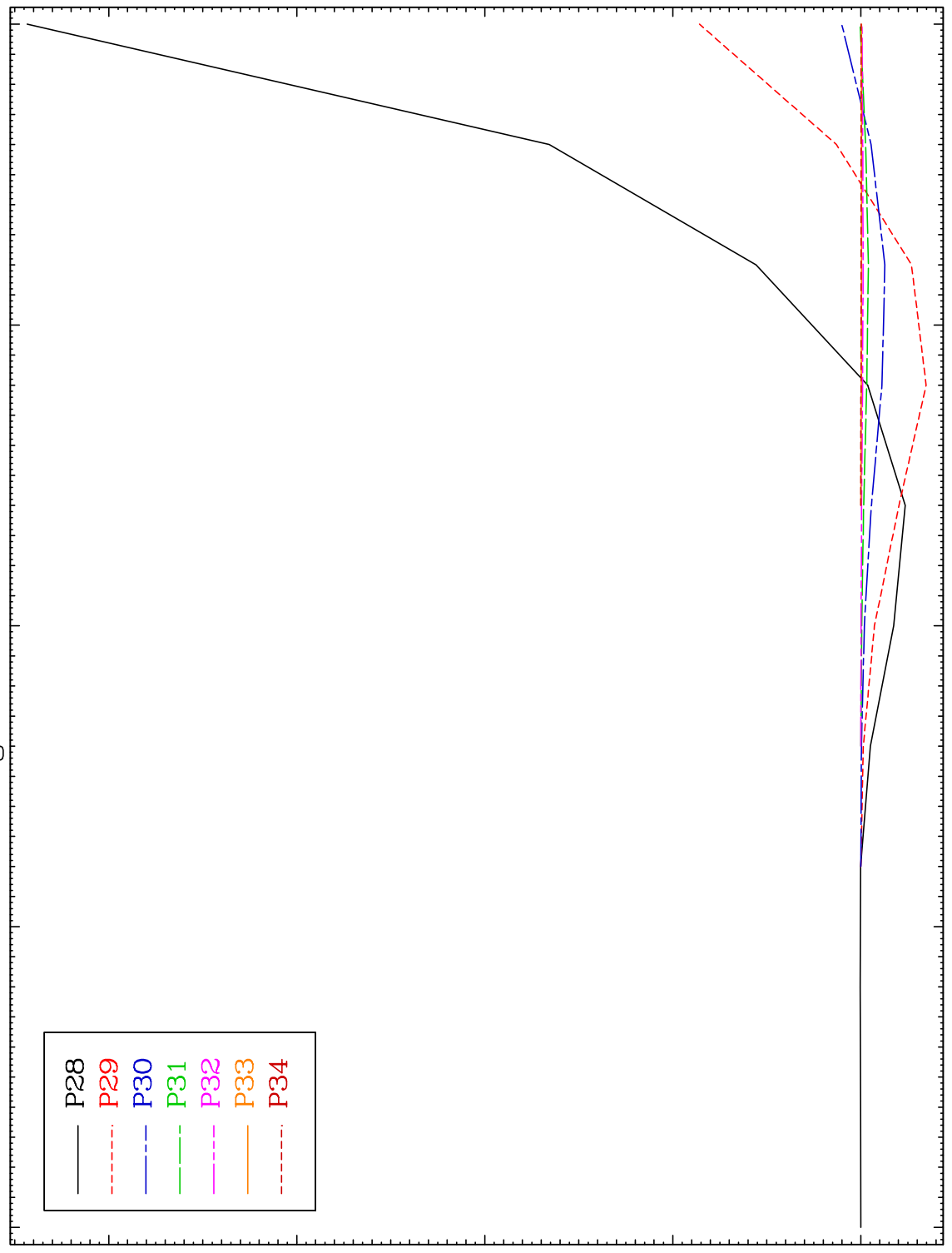
Elastic Legendre Coefficients

51-Sb-133



$\times 10^{-7}$

Legendre (CM)



10

15

20

25

30

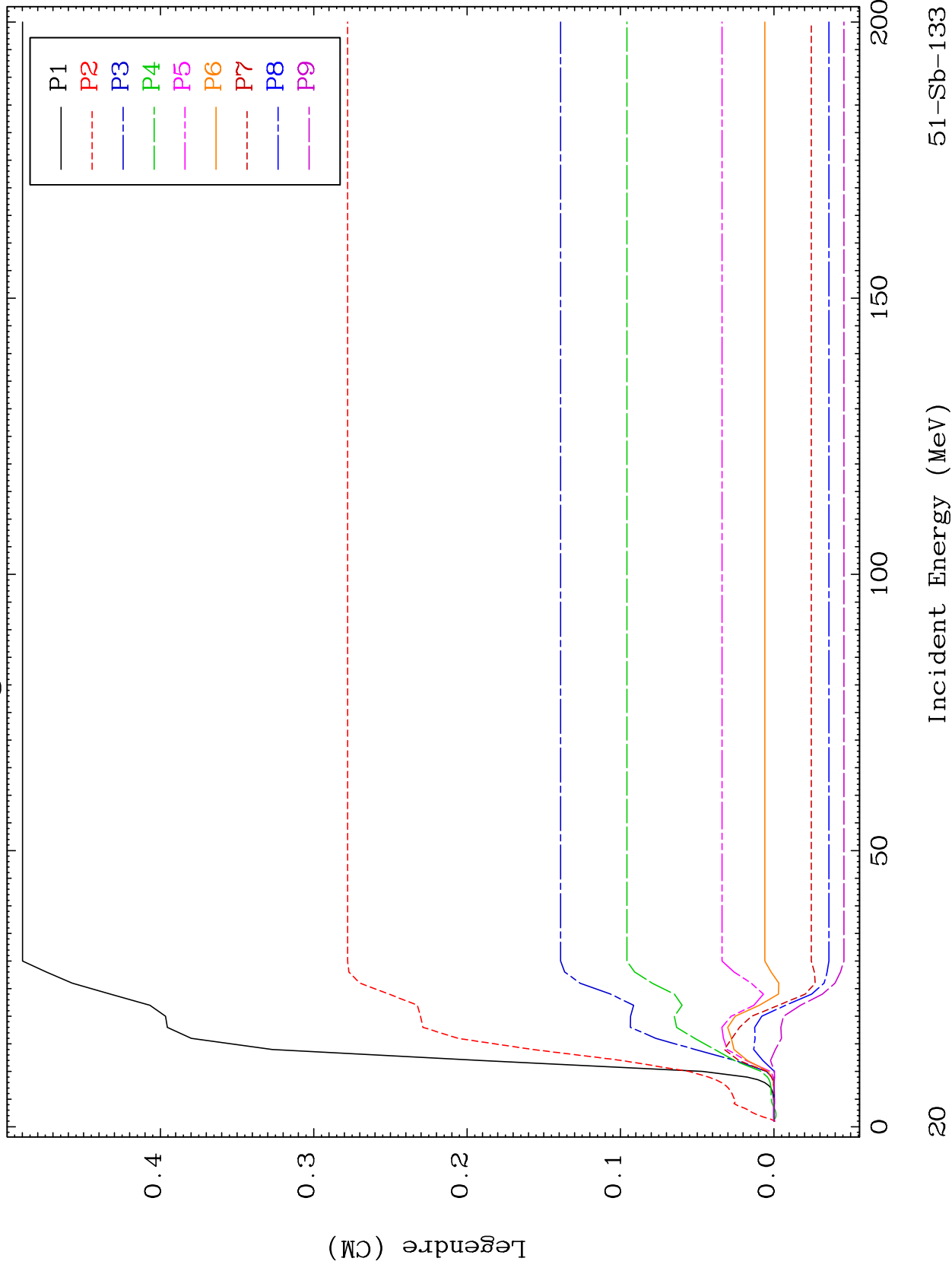
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

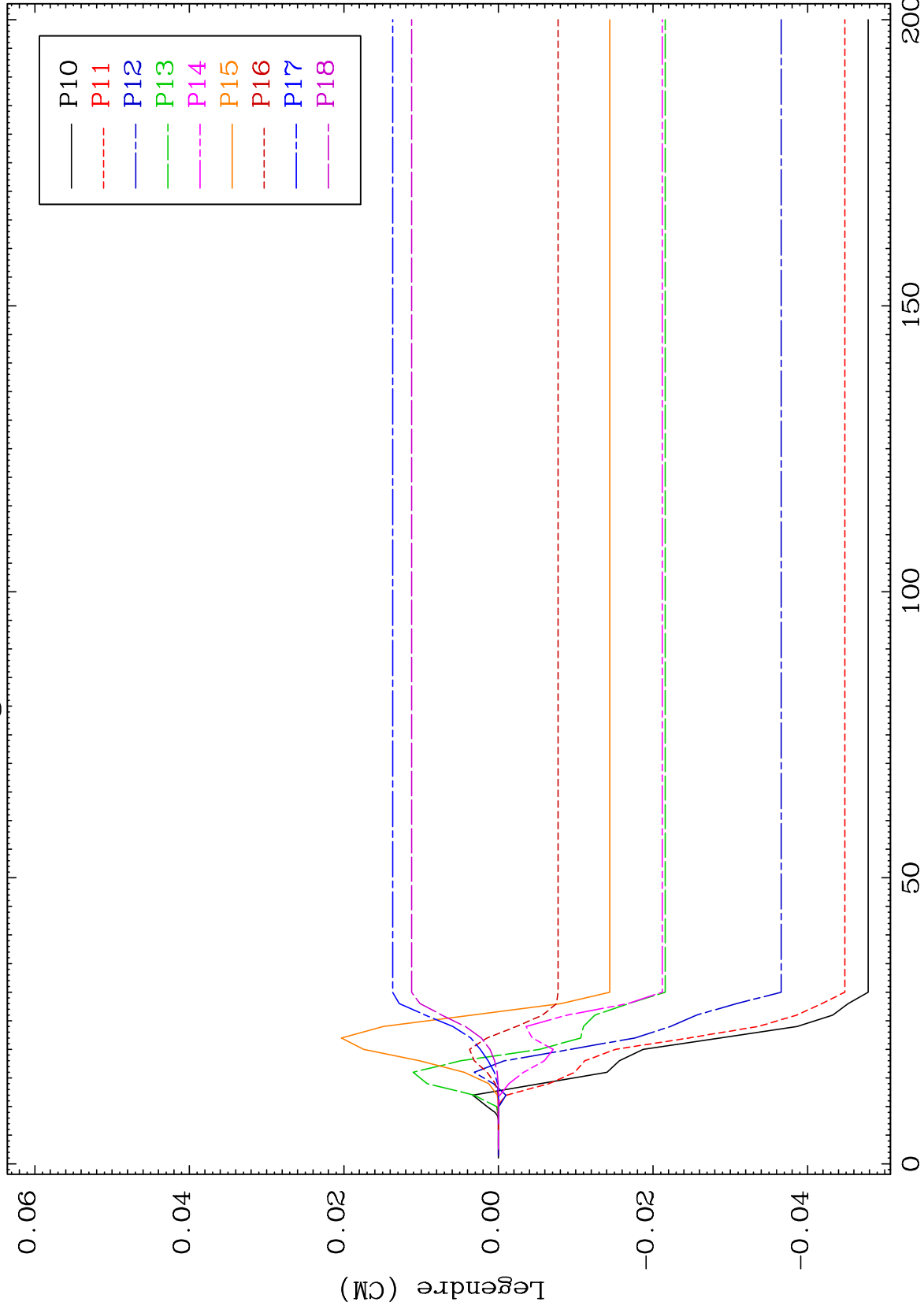
51-Sb-133



MAT 5161

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

51-Sb-133



21

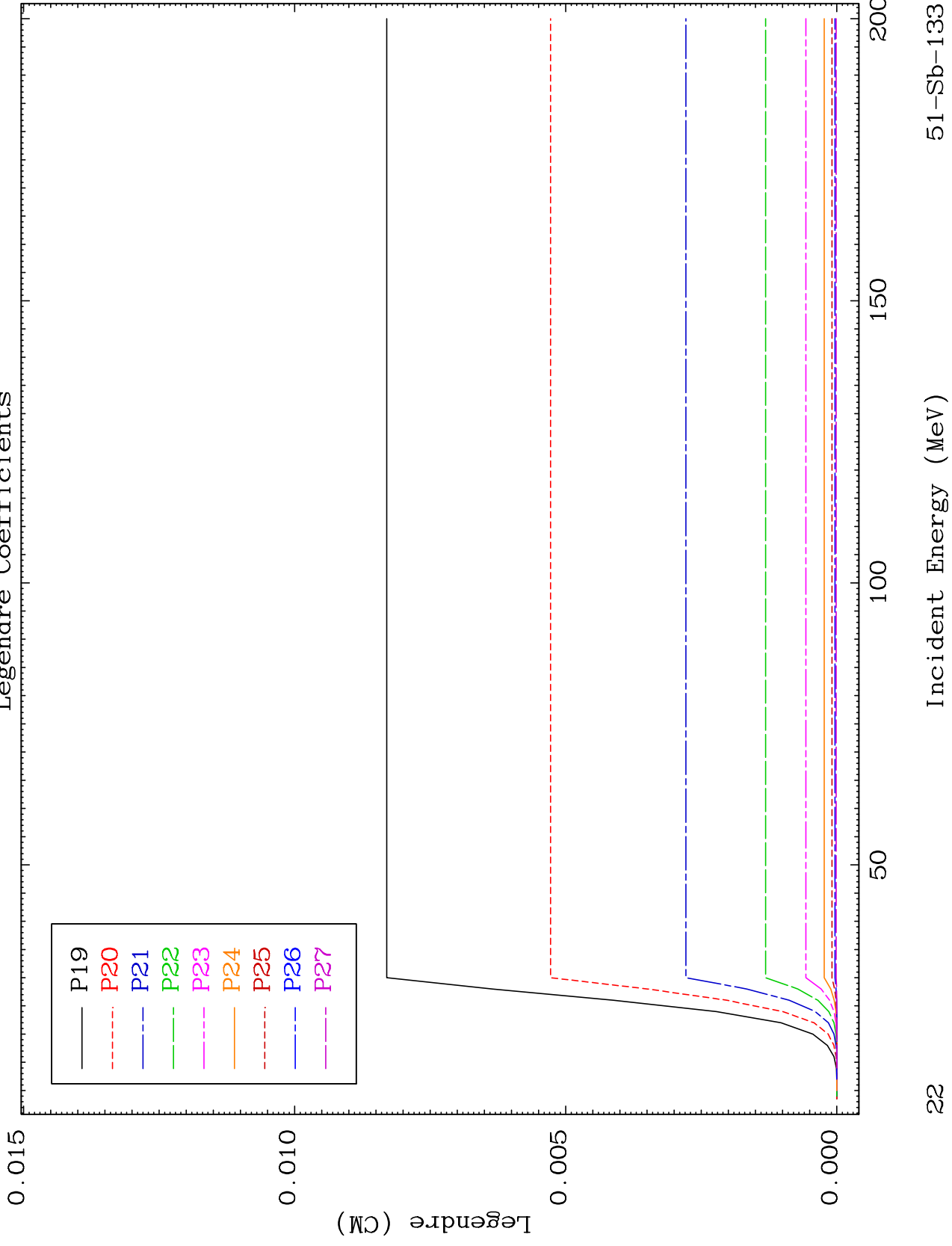
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



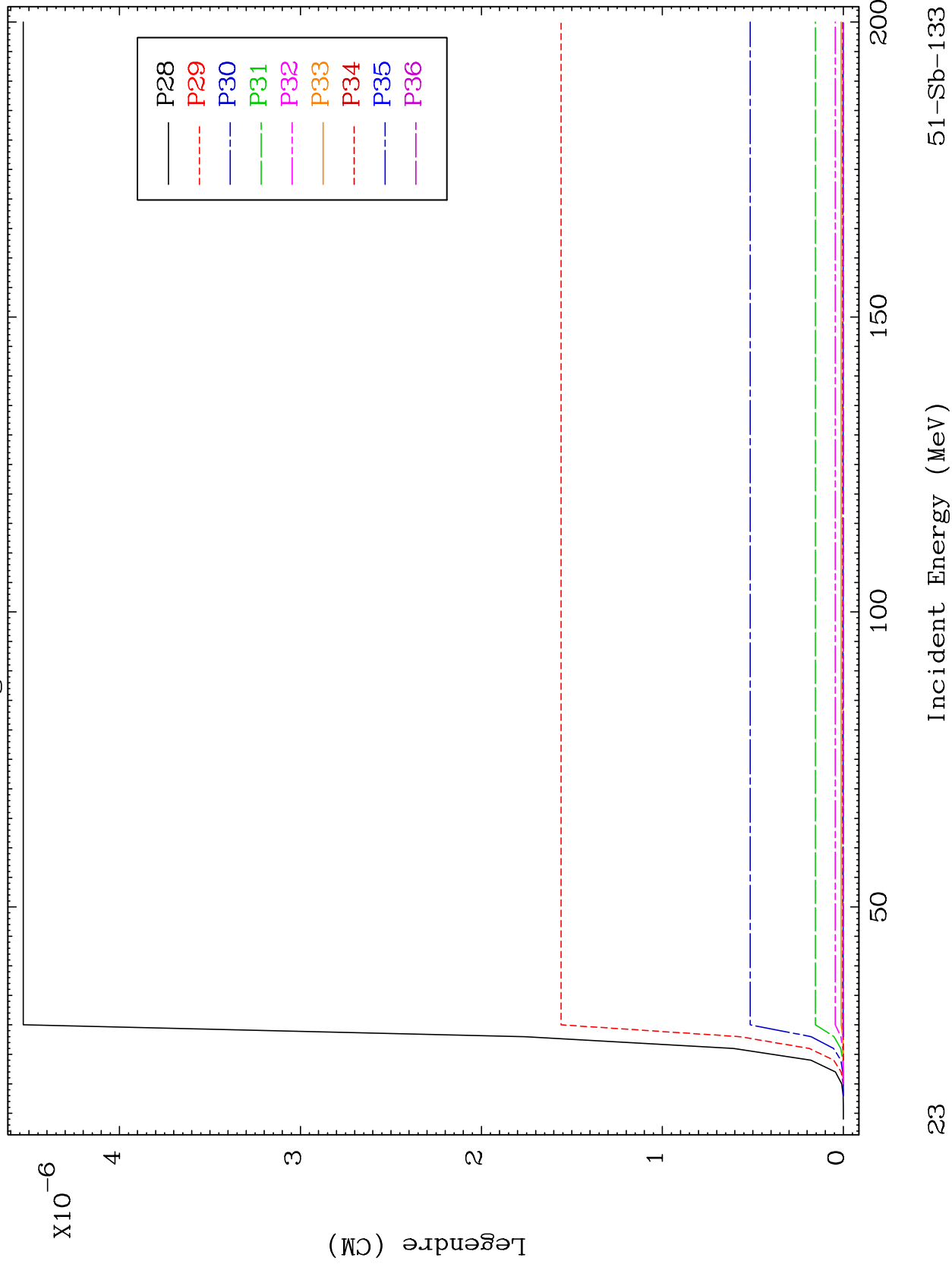
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51-Sb-133

MAT 5161

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

51-Sb-133

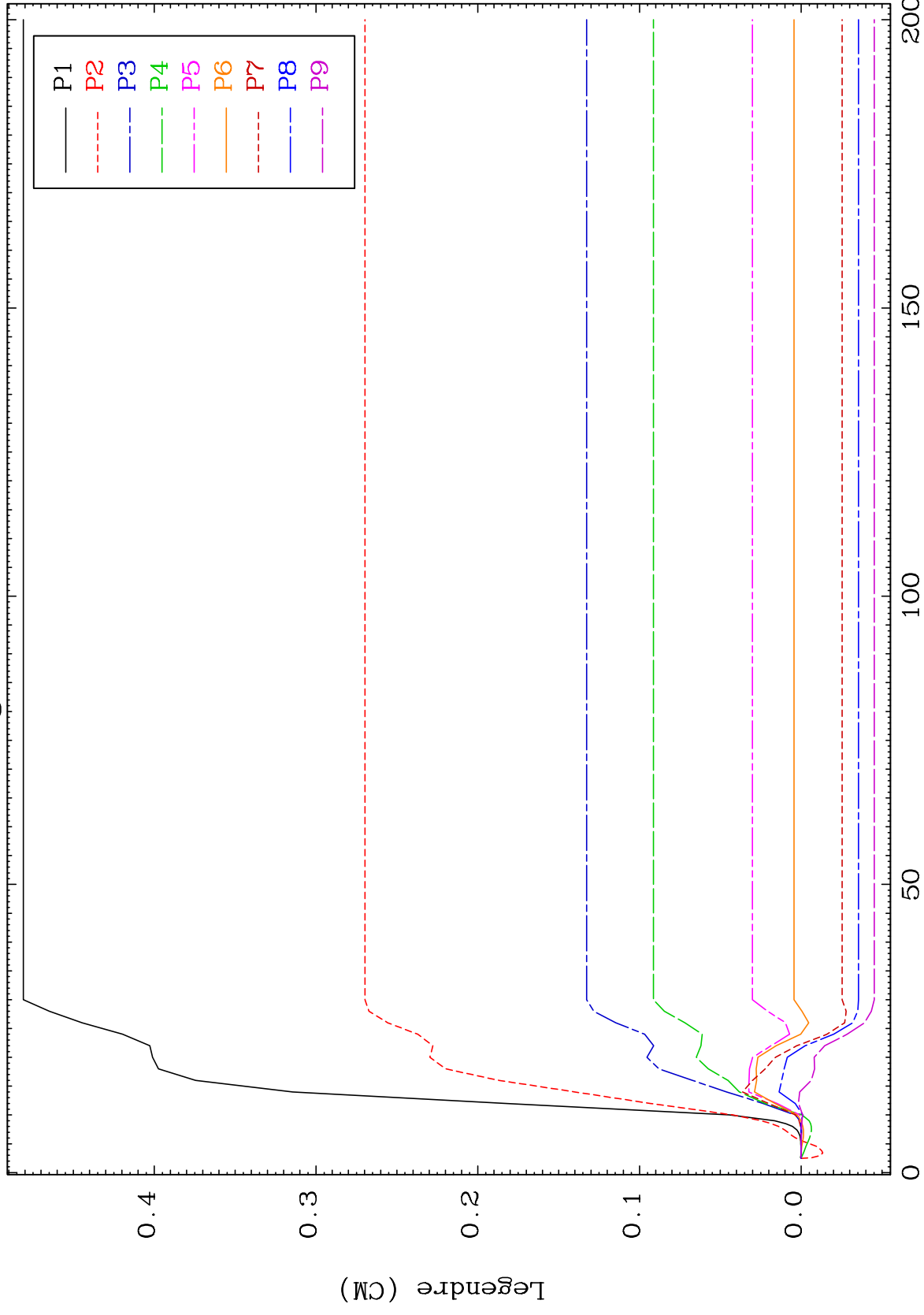




MAT 5161

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

51-Sb-133



24

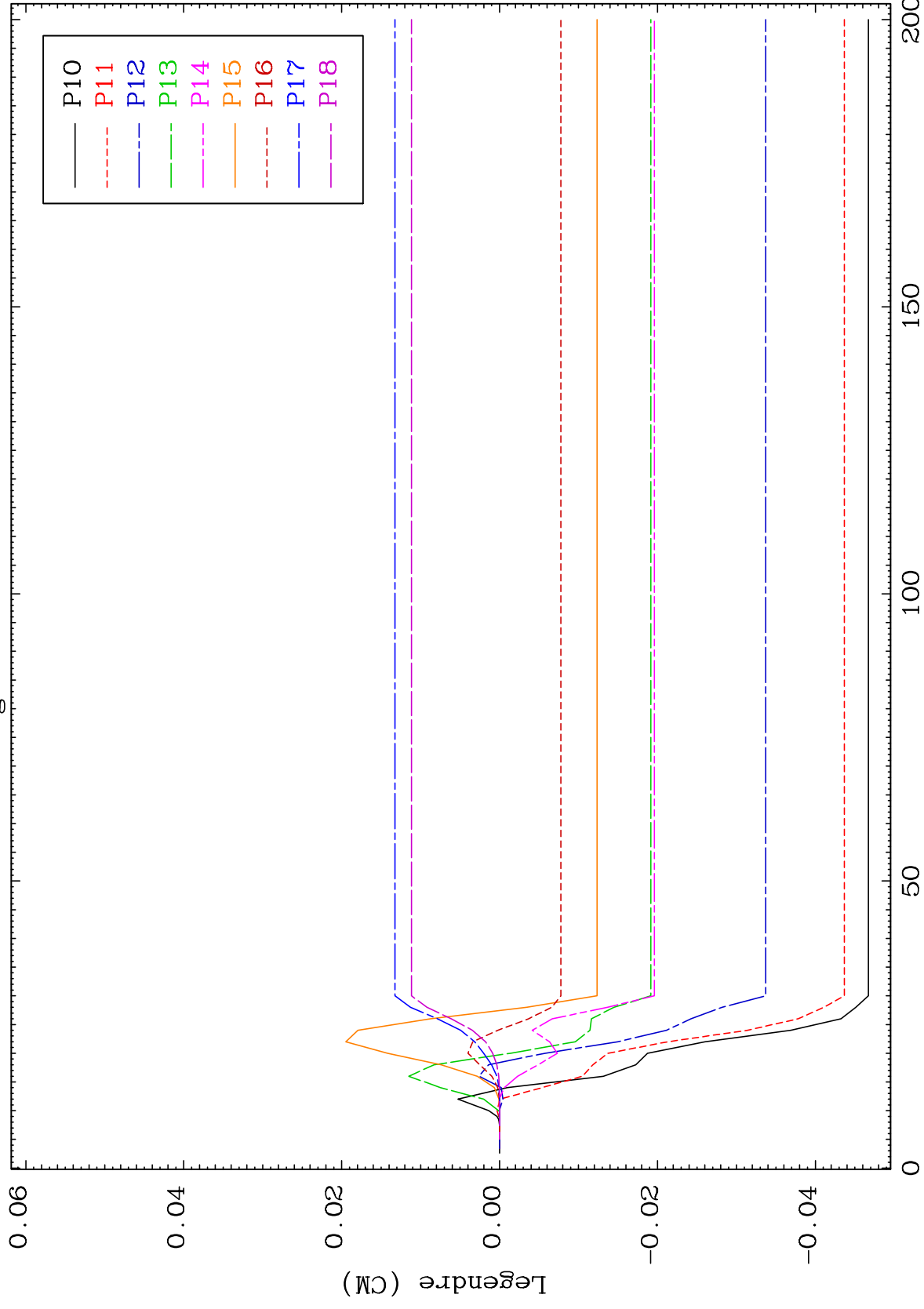
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



25

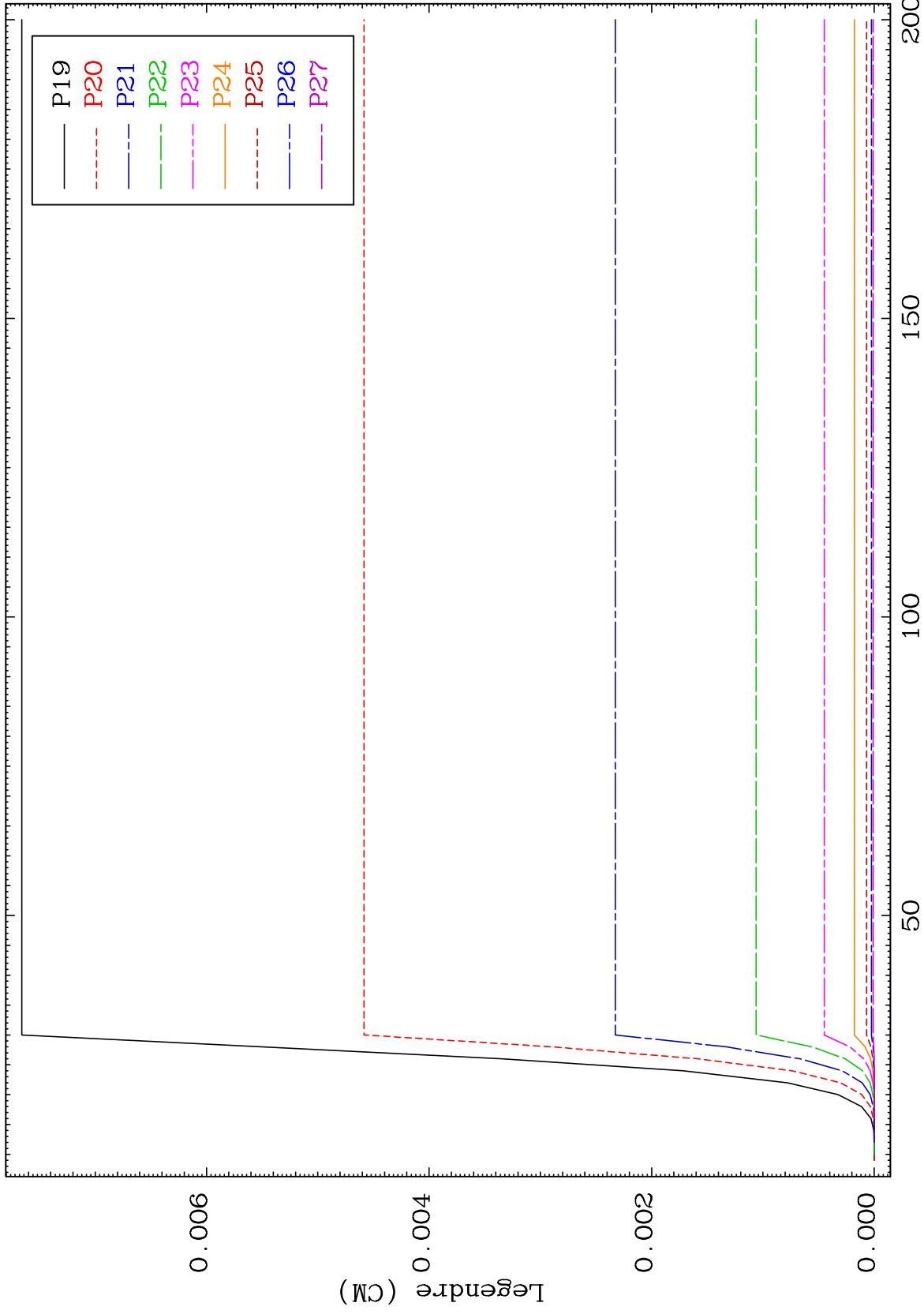
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



26

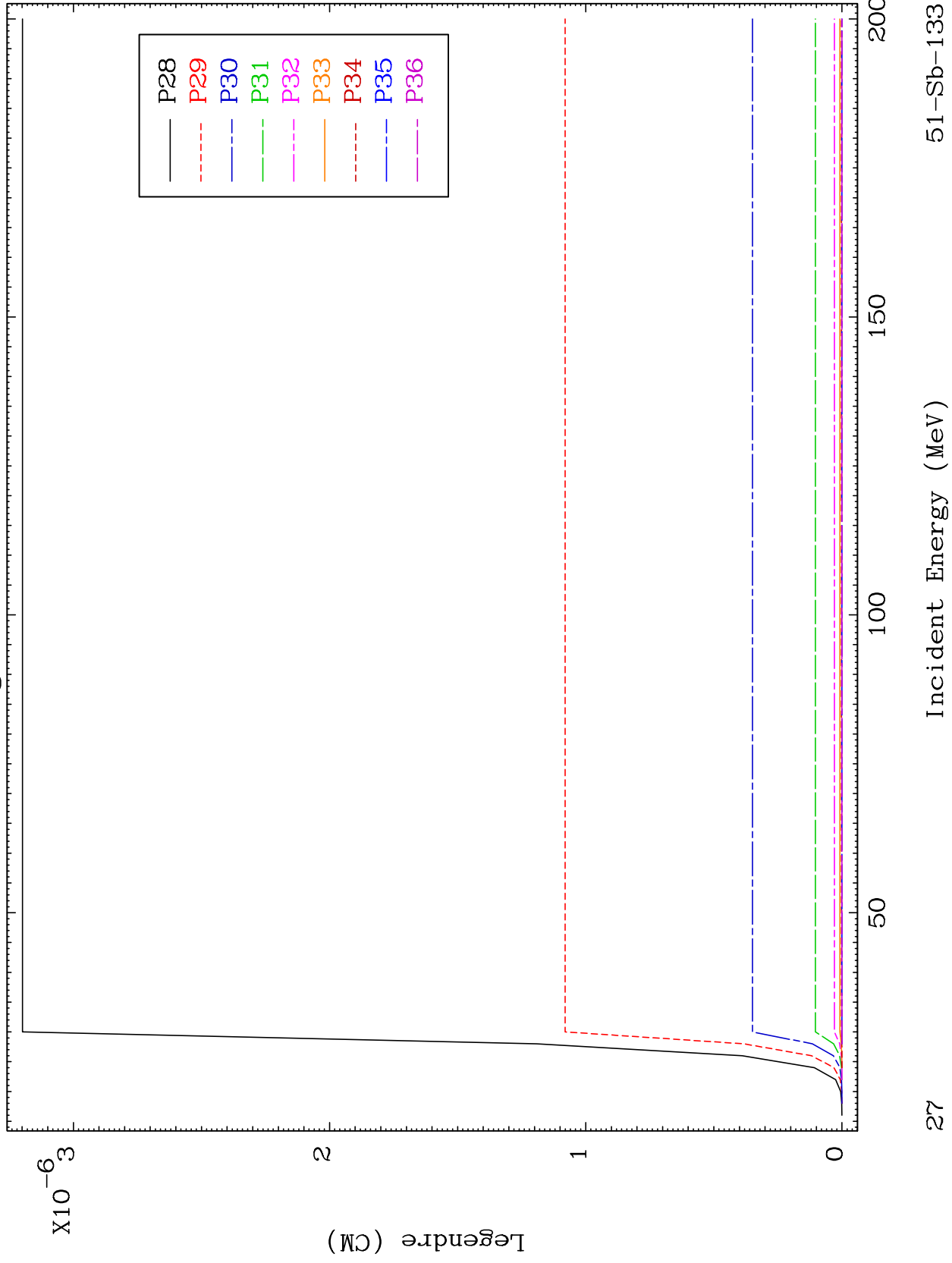
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

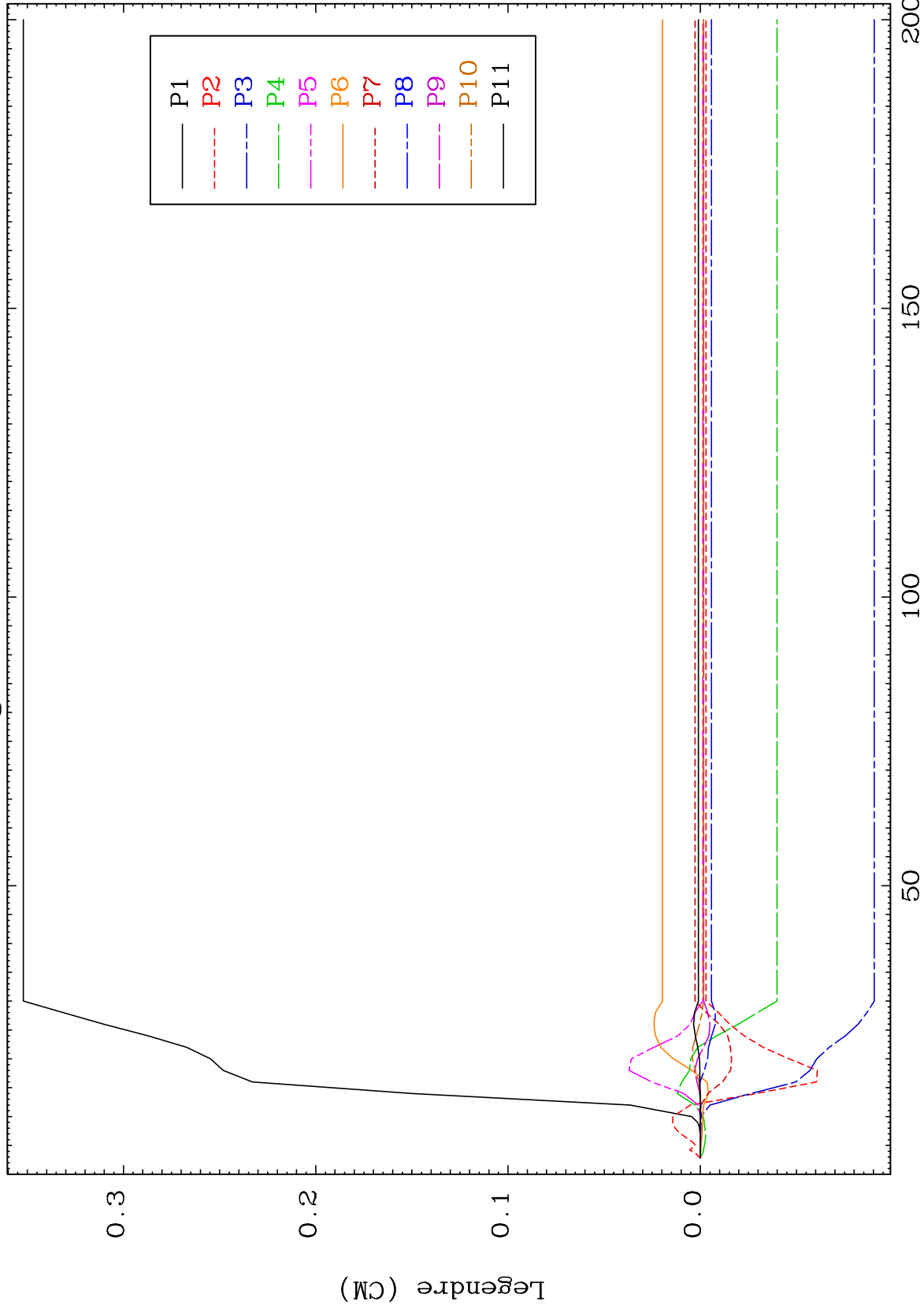
51-Sb-133



MAT 5161

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

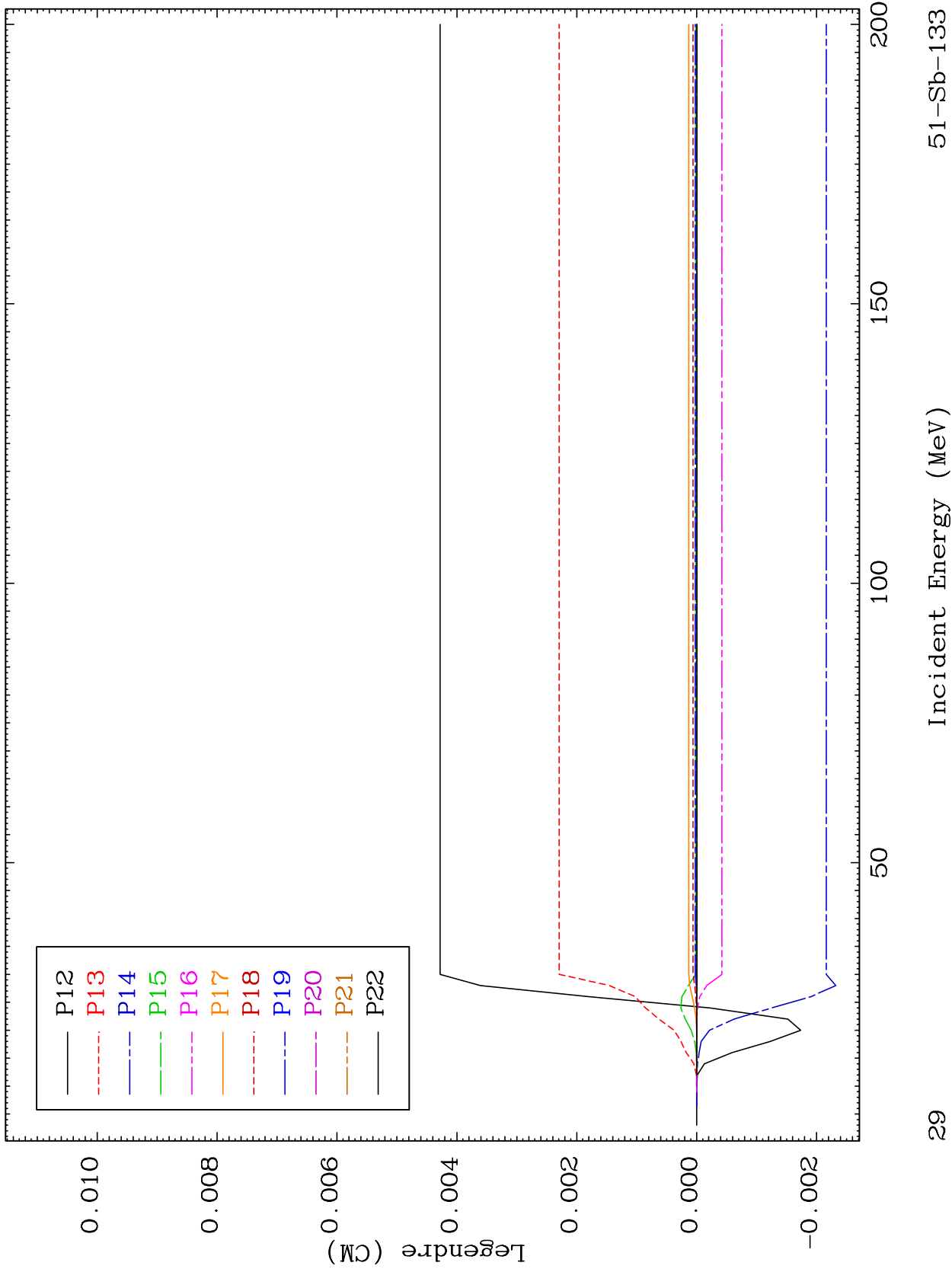
51-Sb-133



28

Incident Energy (MeV)

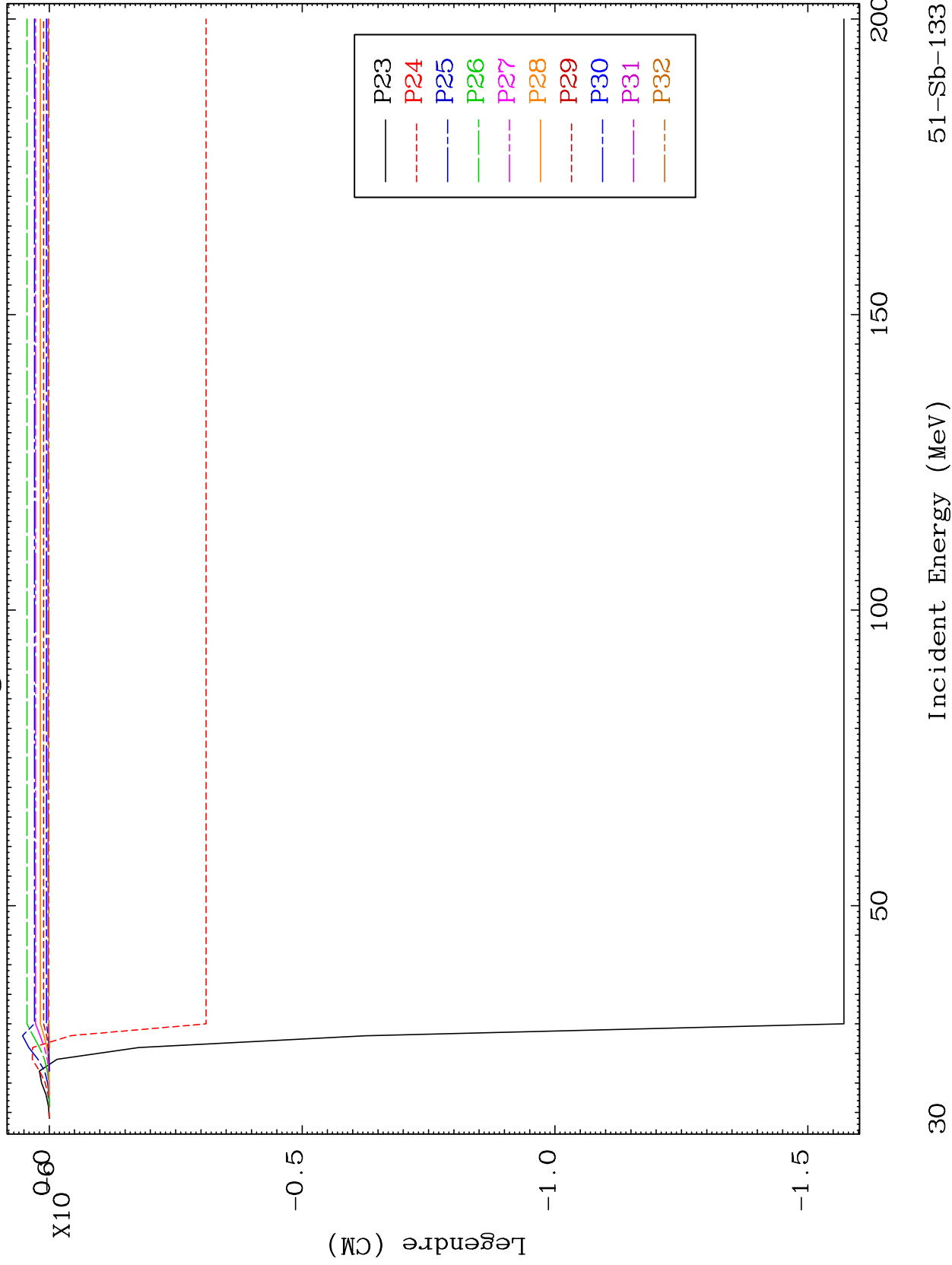
51-Sb-133



MAT 5161

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

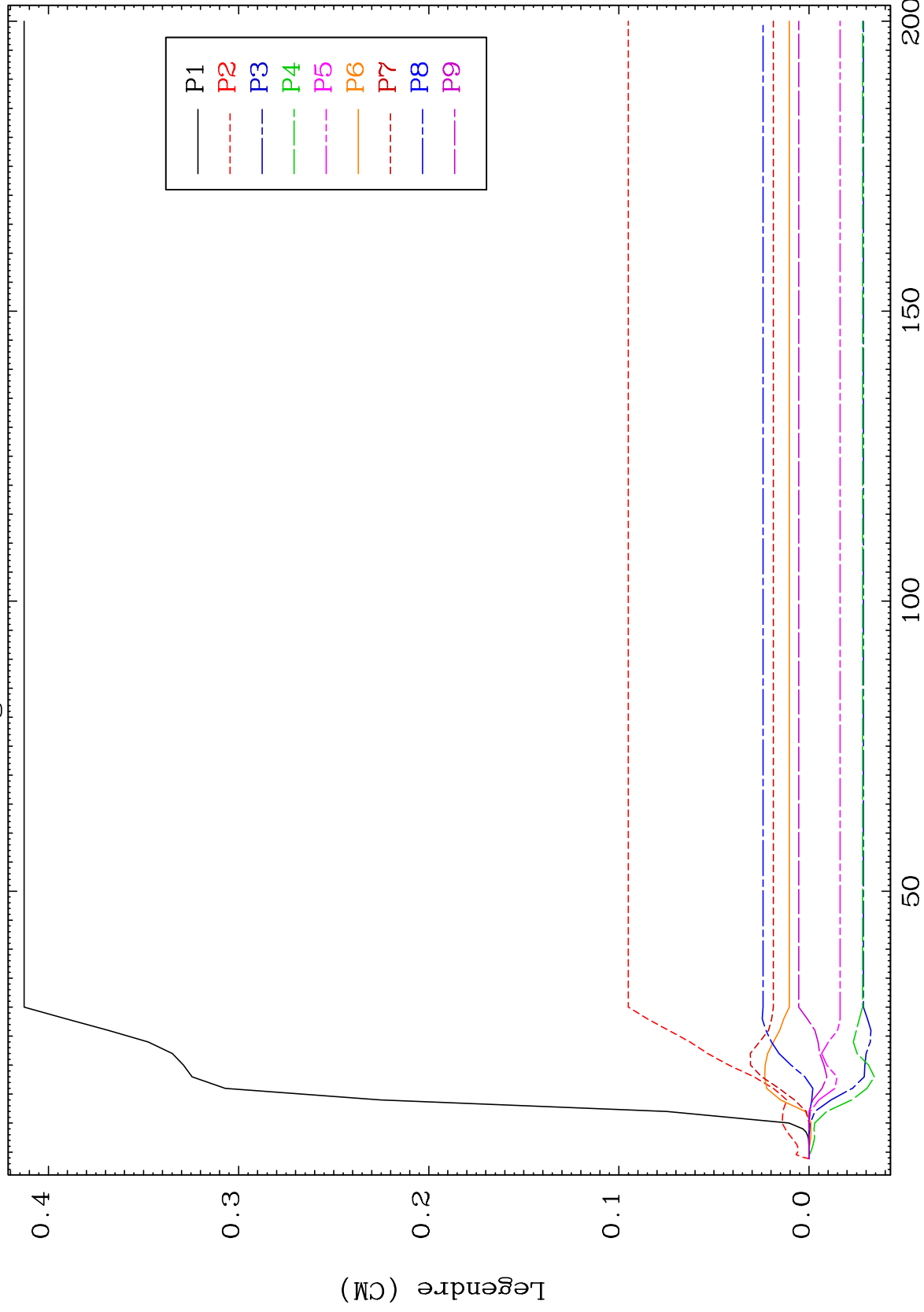
51-Sb-133



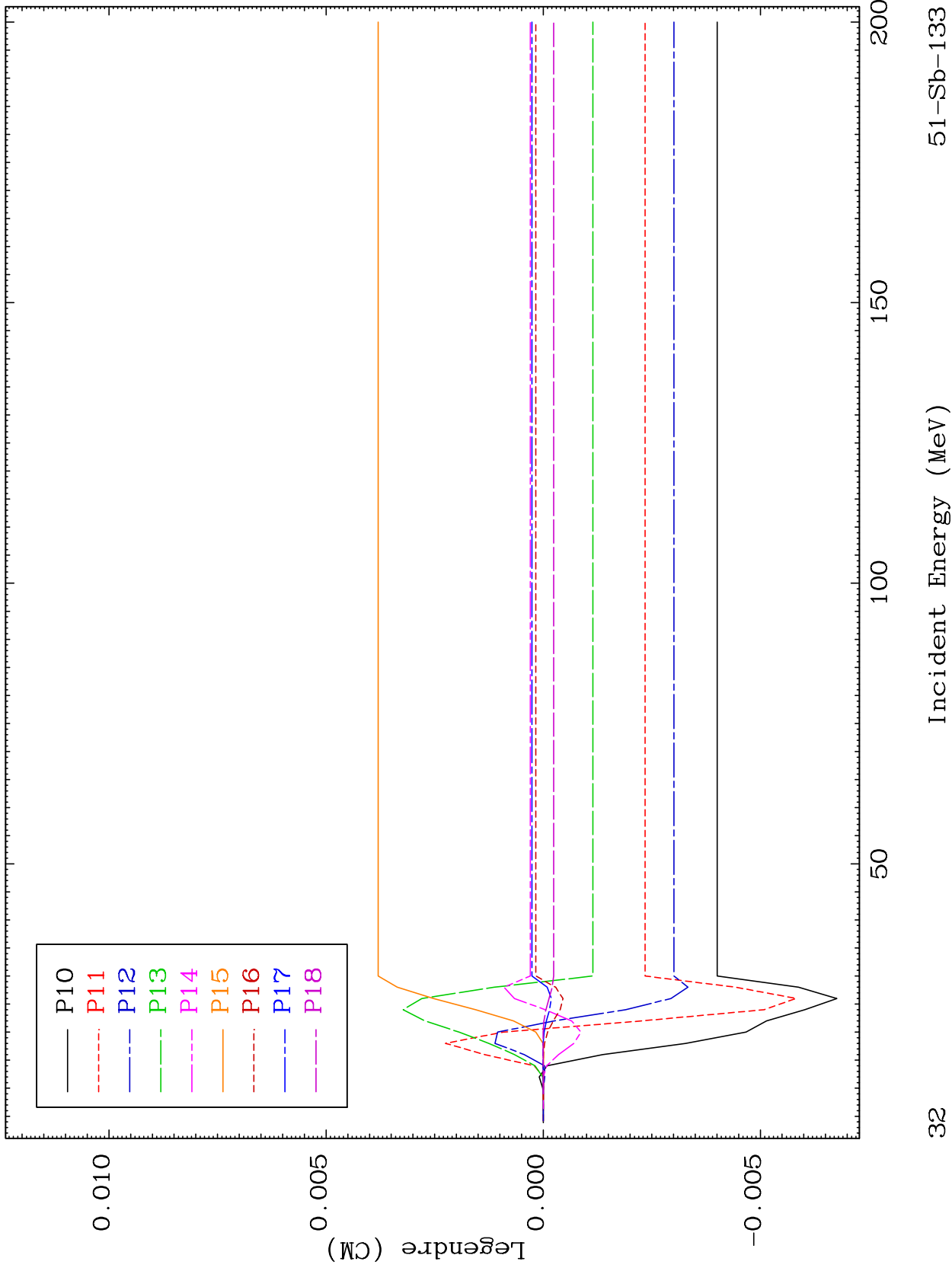
51-Sb-133

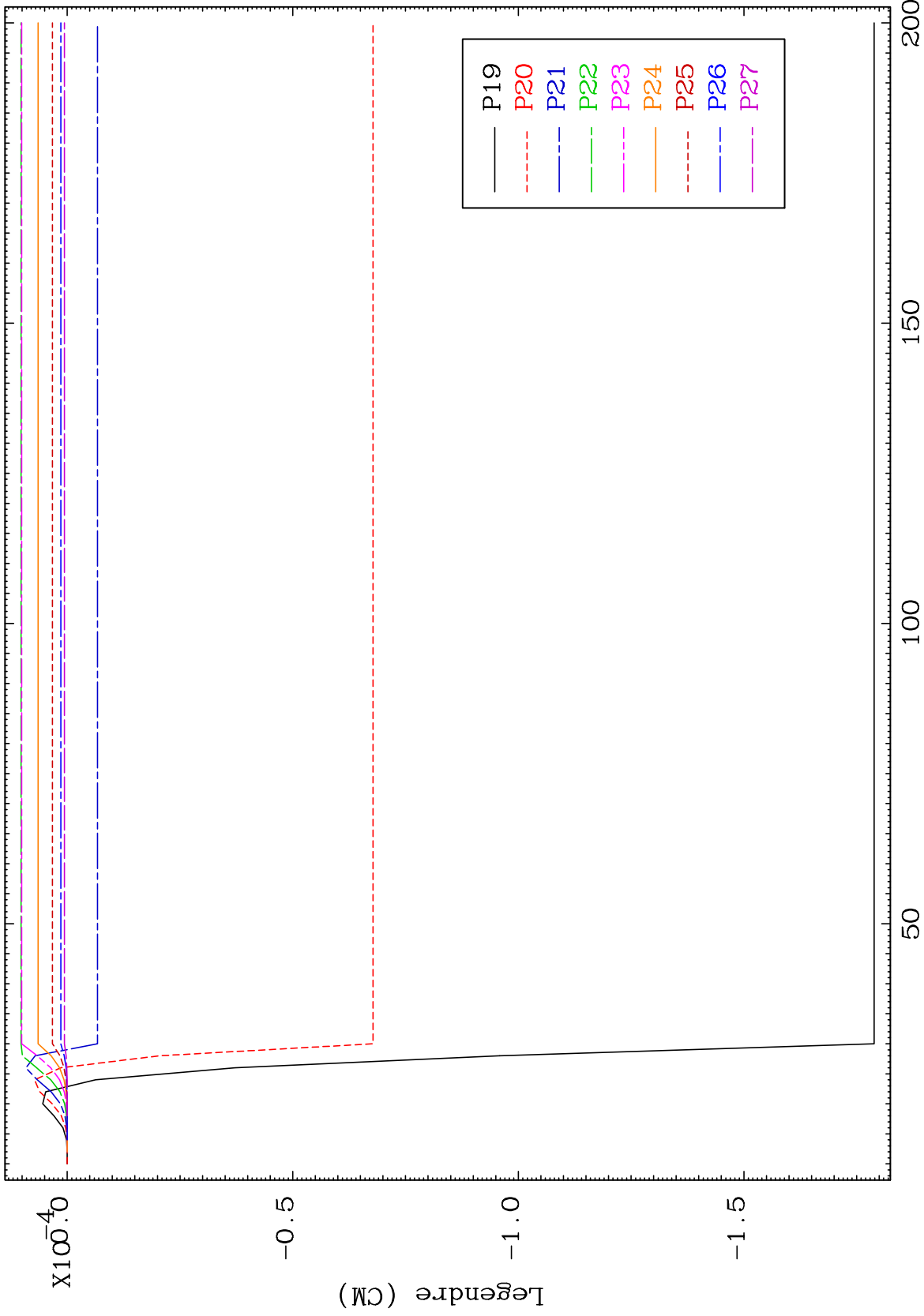
Incident Energy (MeV)

30





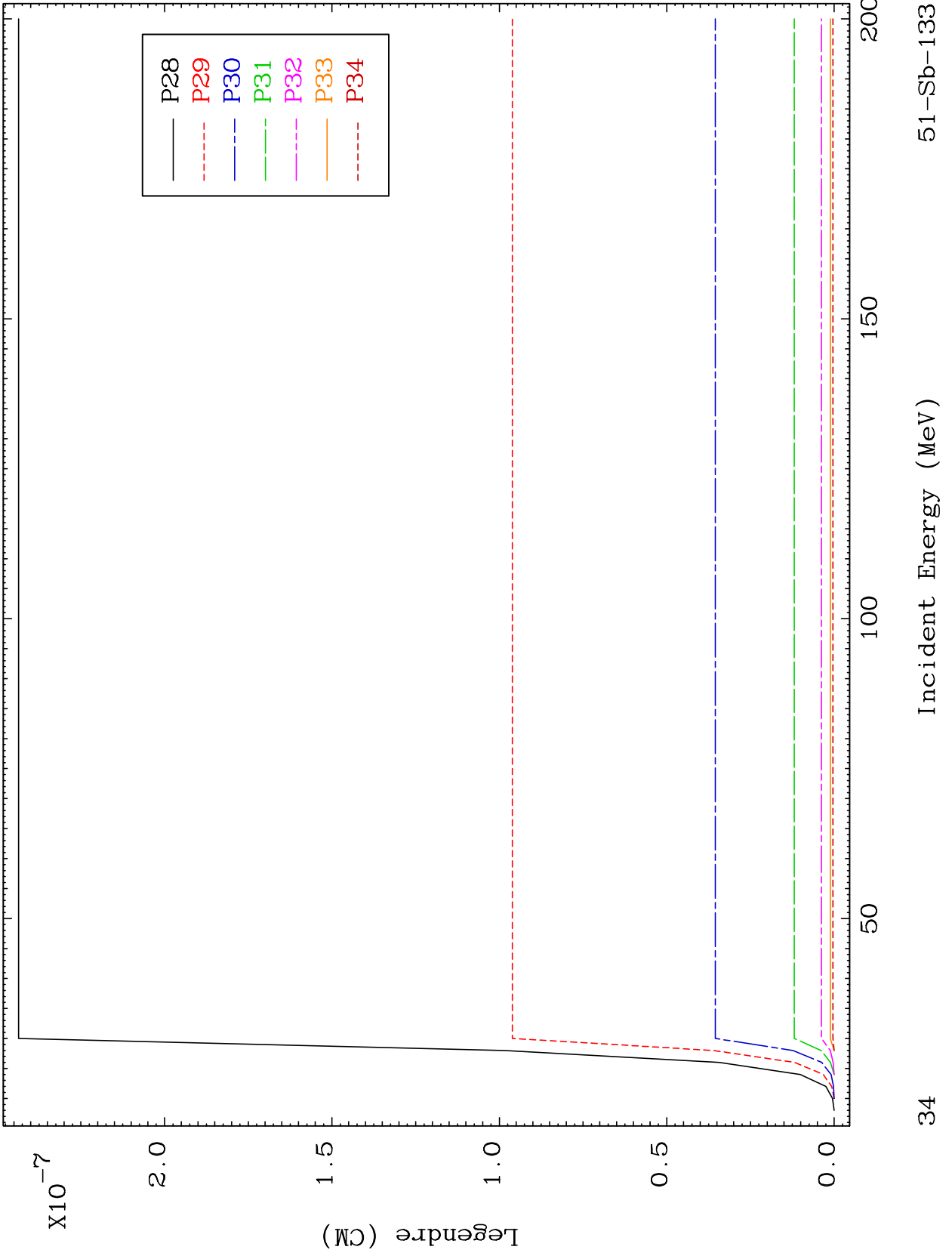




MAT 5161

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

51-Sb-133



34

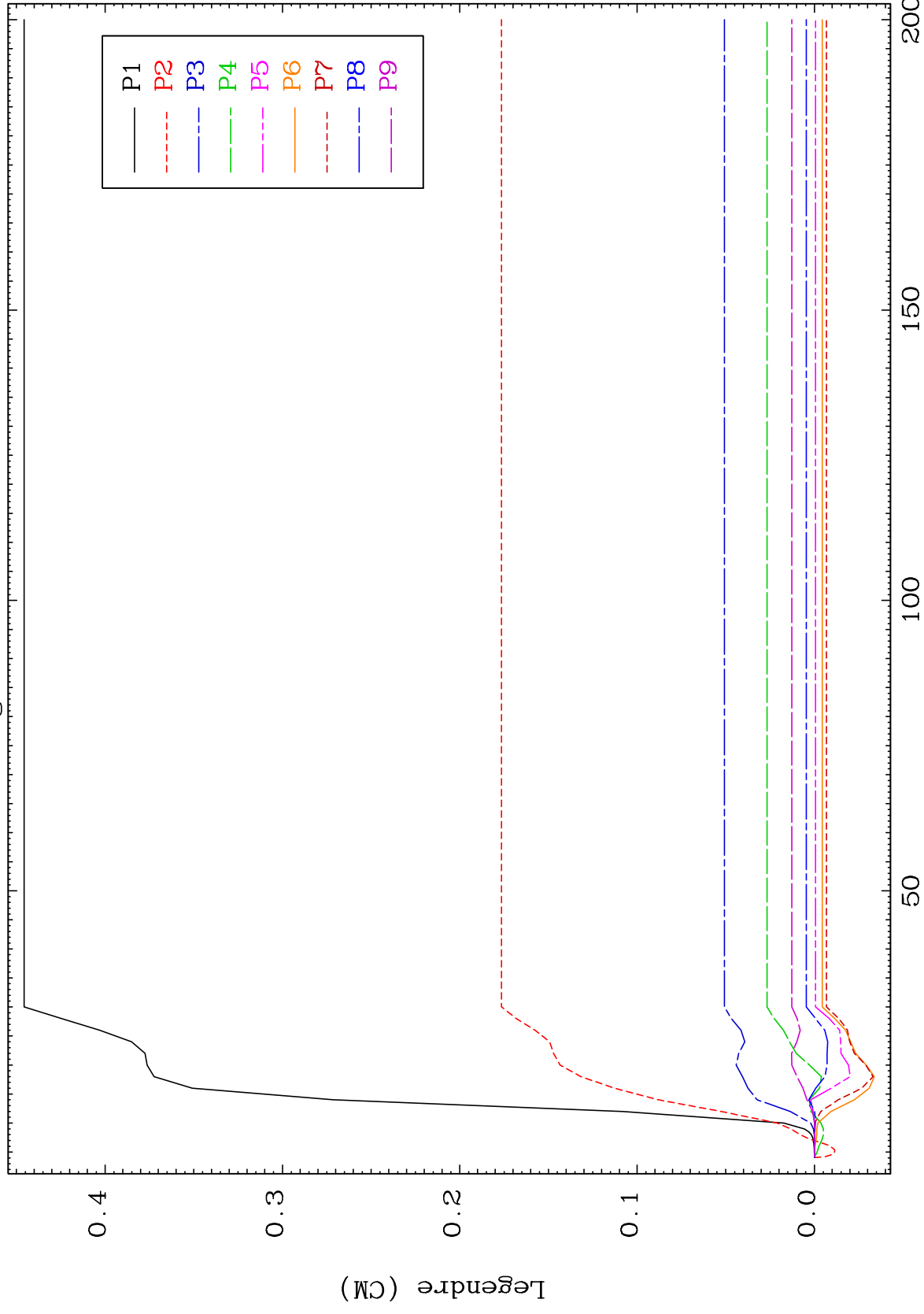
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

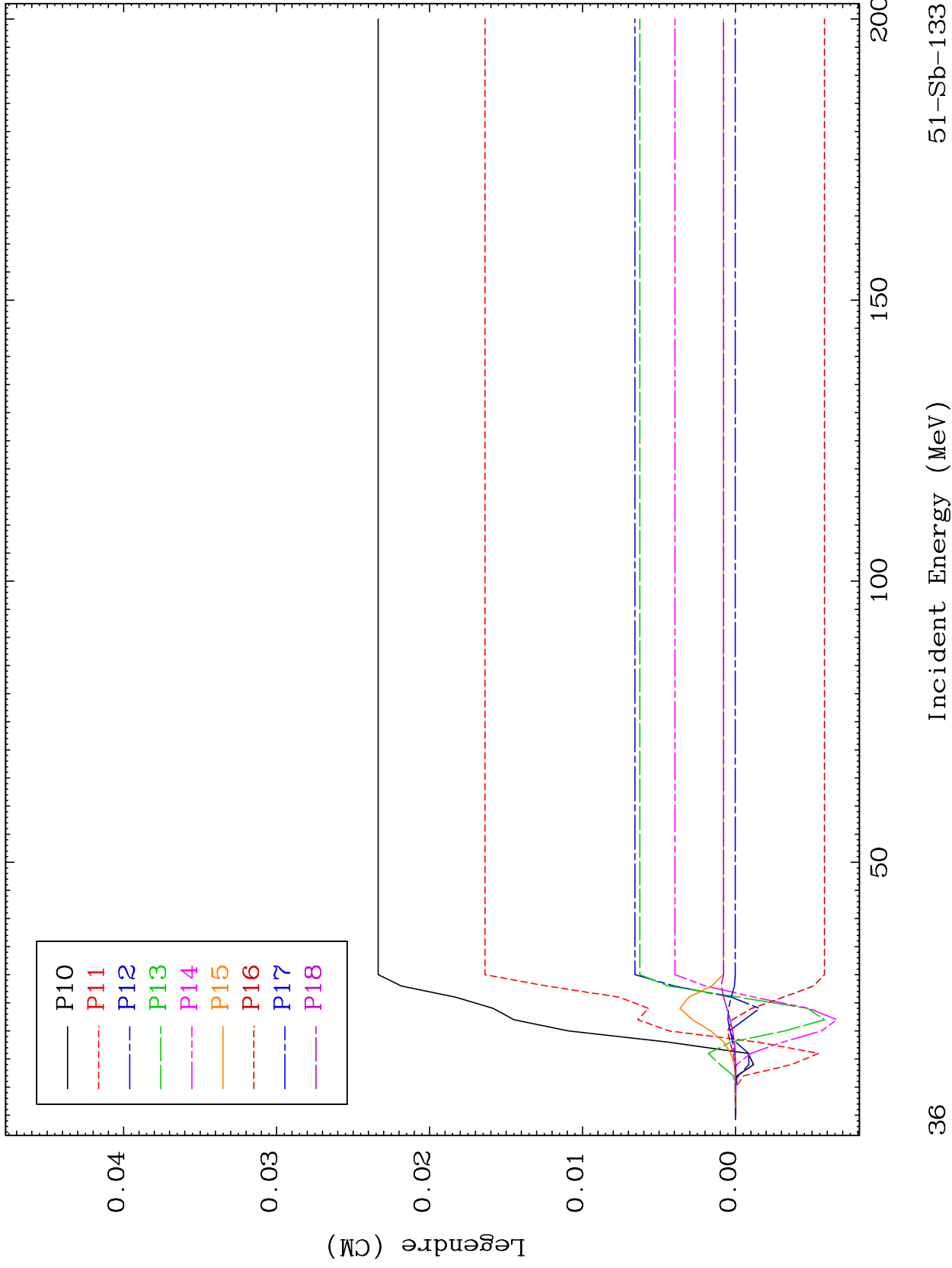
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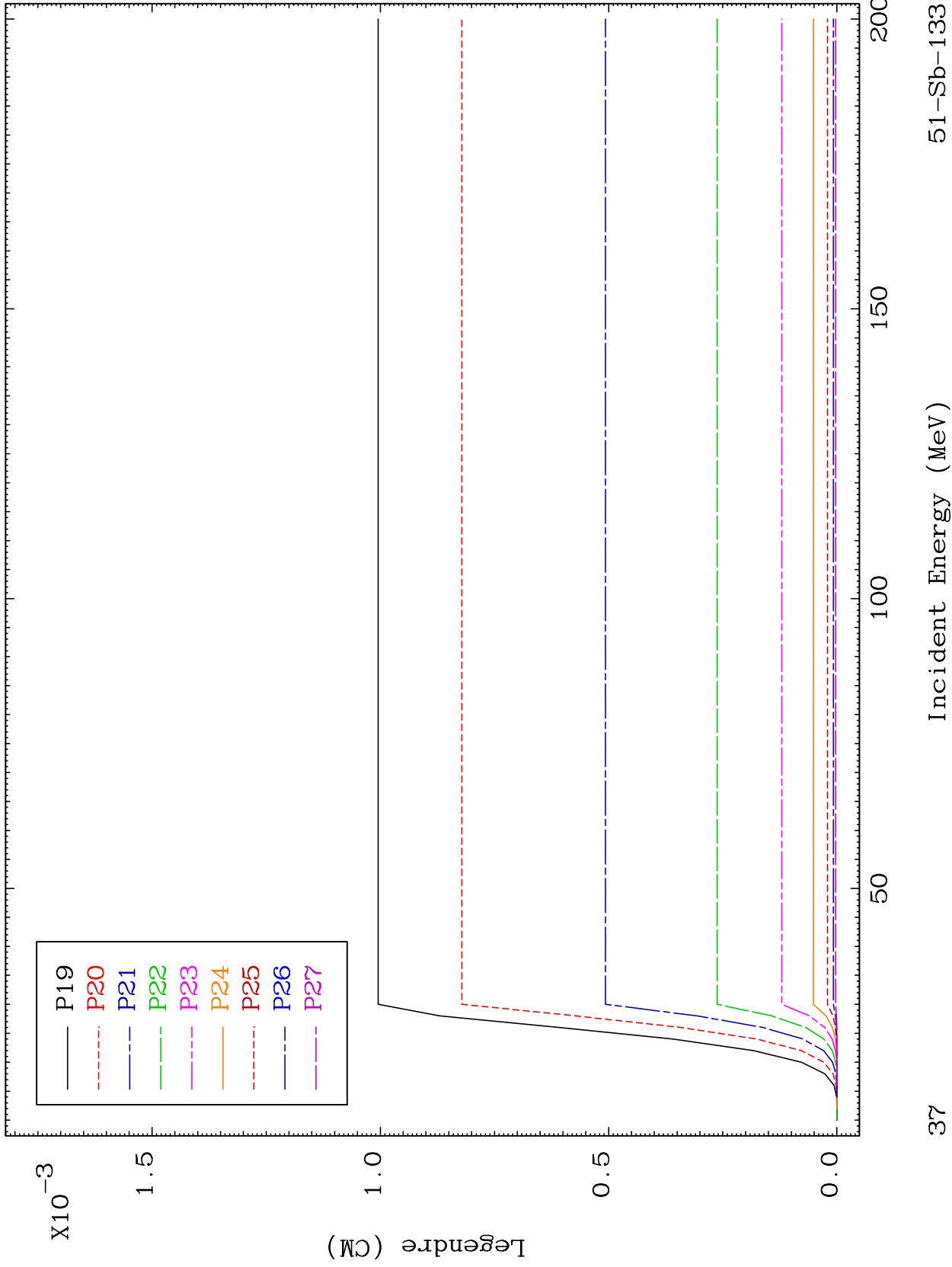


35

Incident Energy (MeV)

51-Sb-133

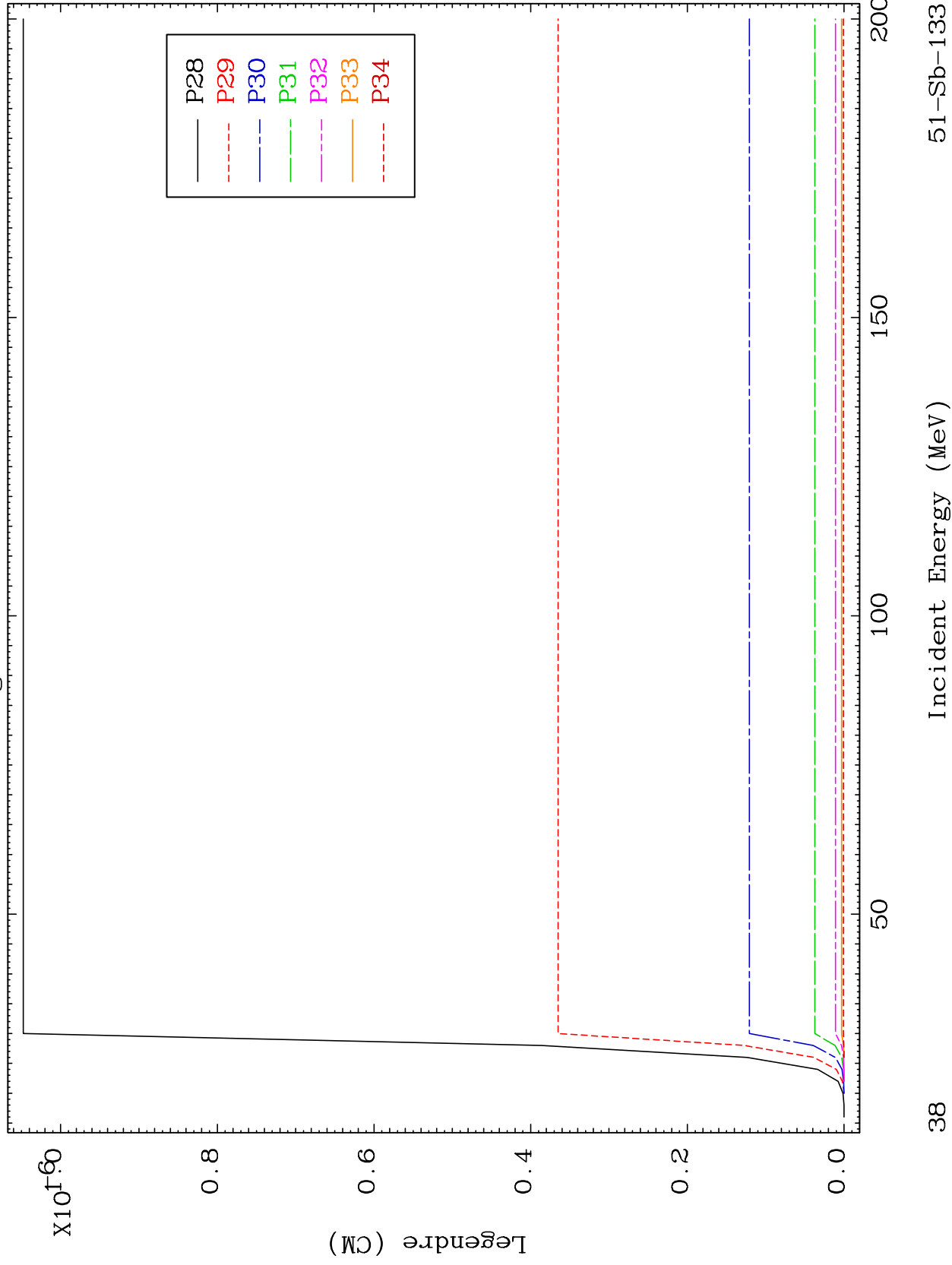




MAT 5161

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

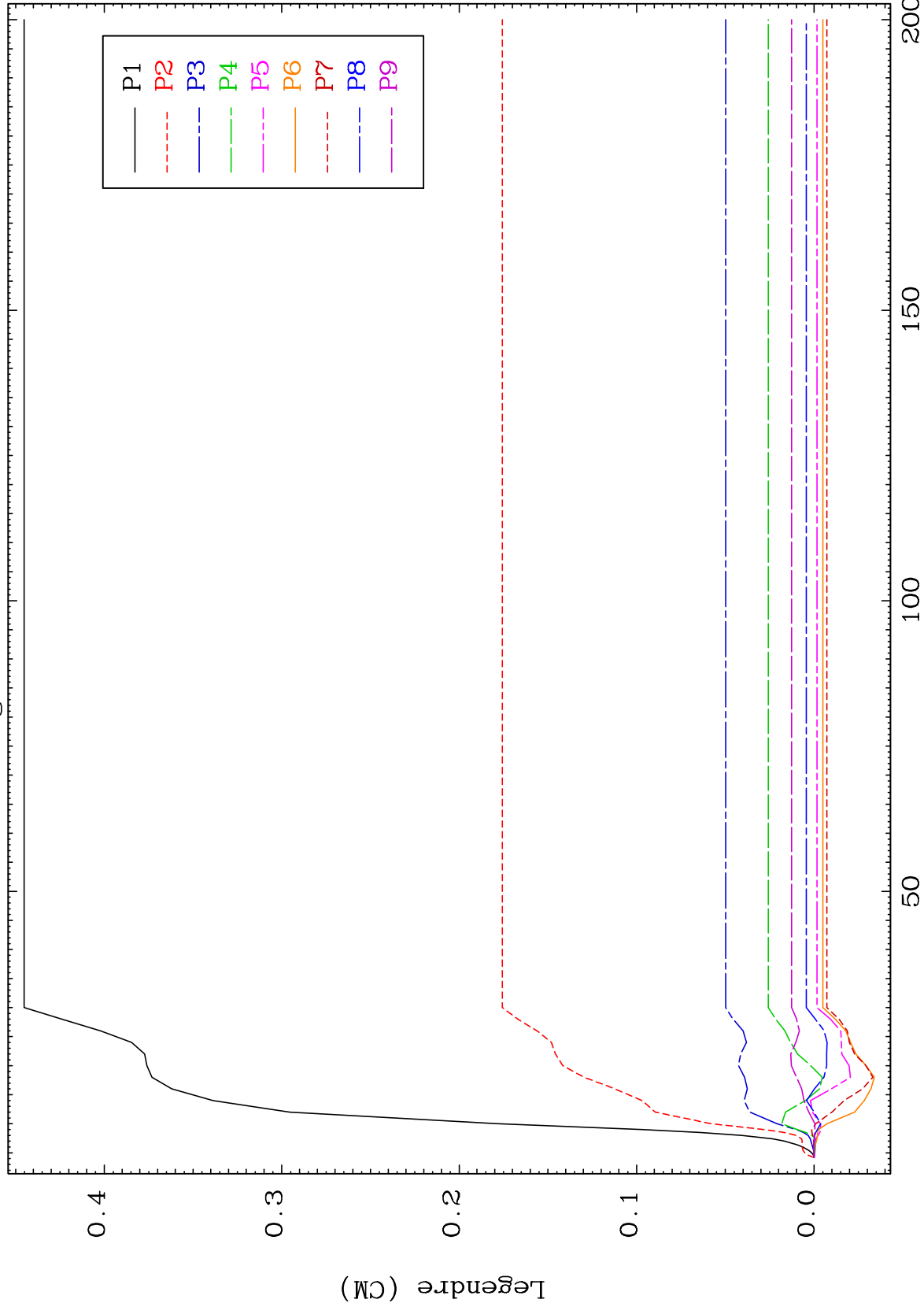
51-Sb-133



38

Incident Energy (MeV)

51-Sb-133

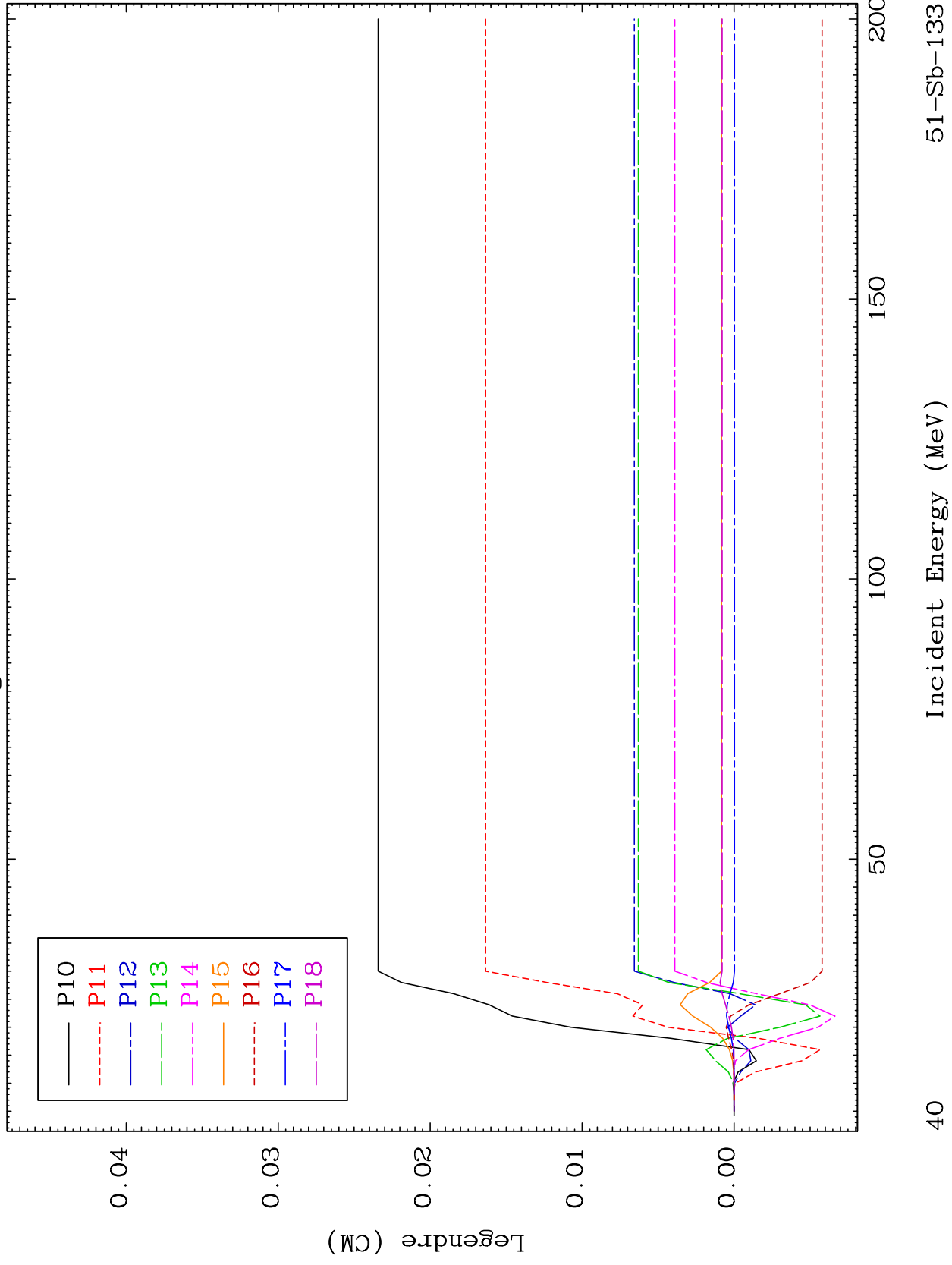




MAT 5161

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

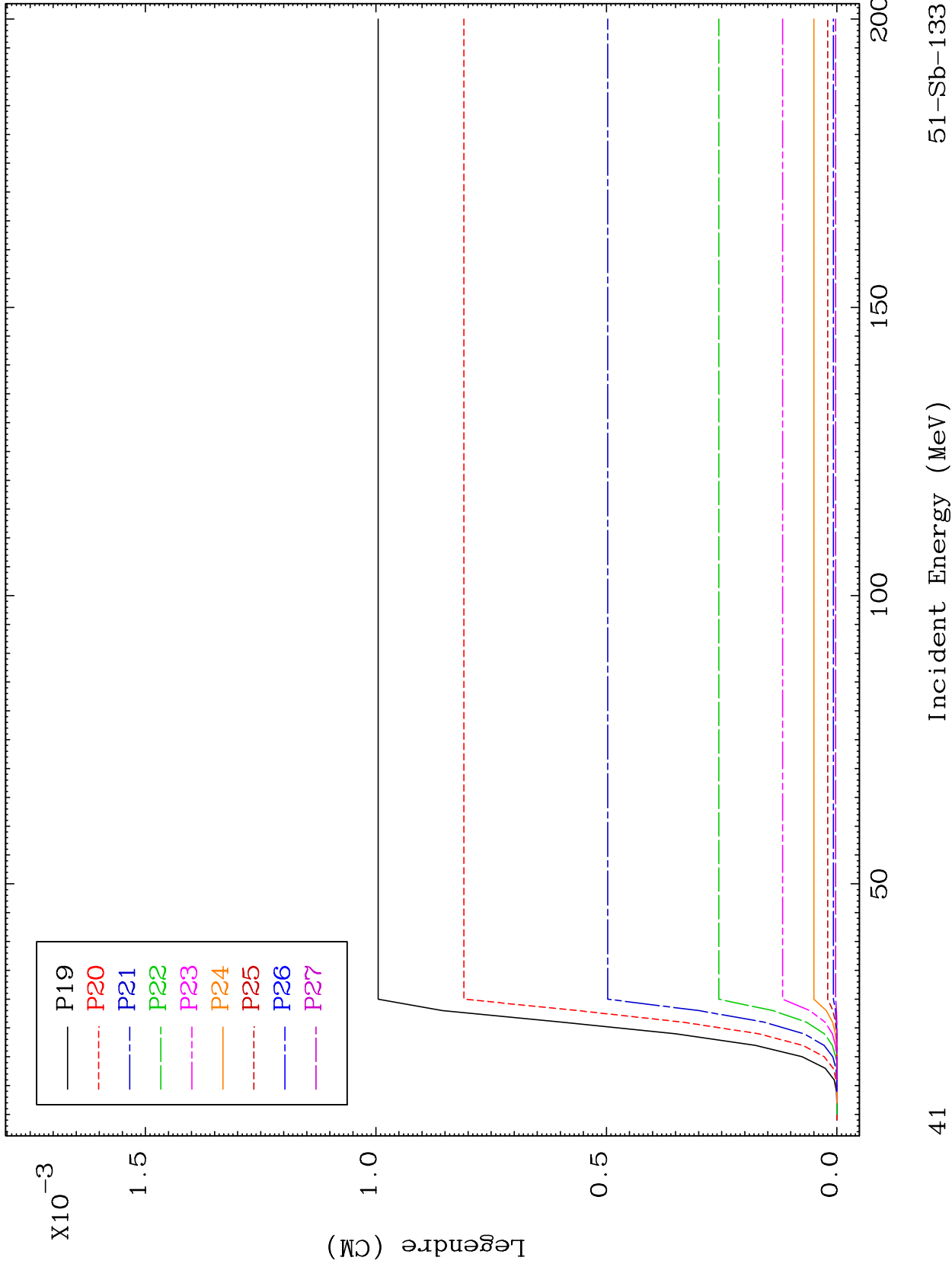
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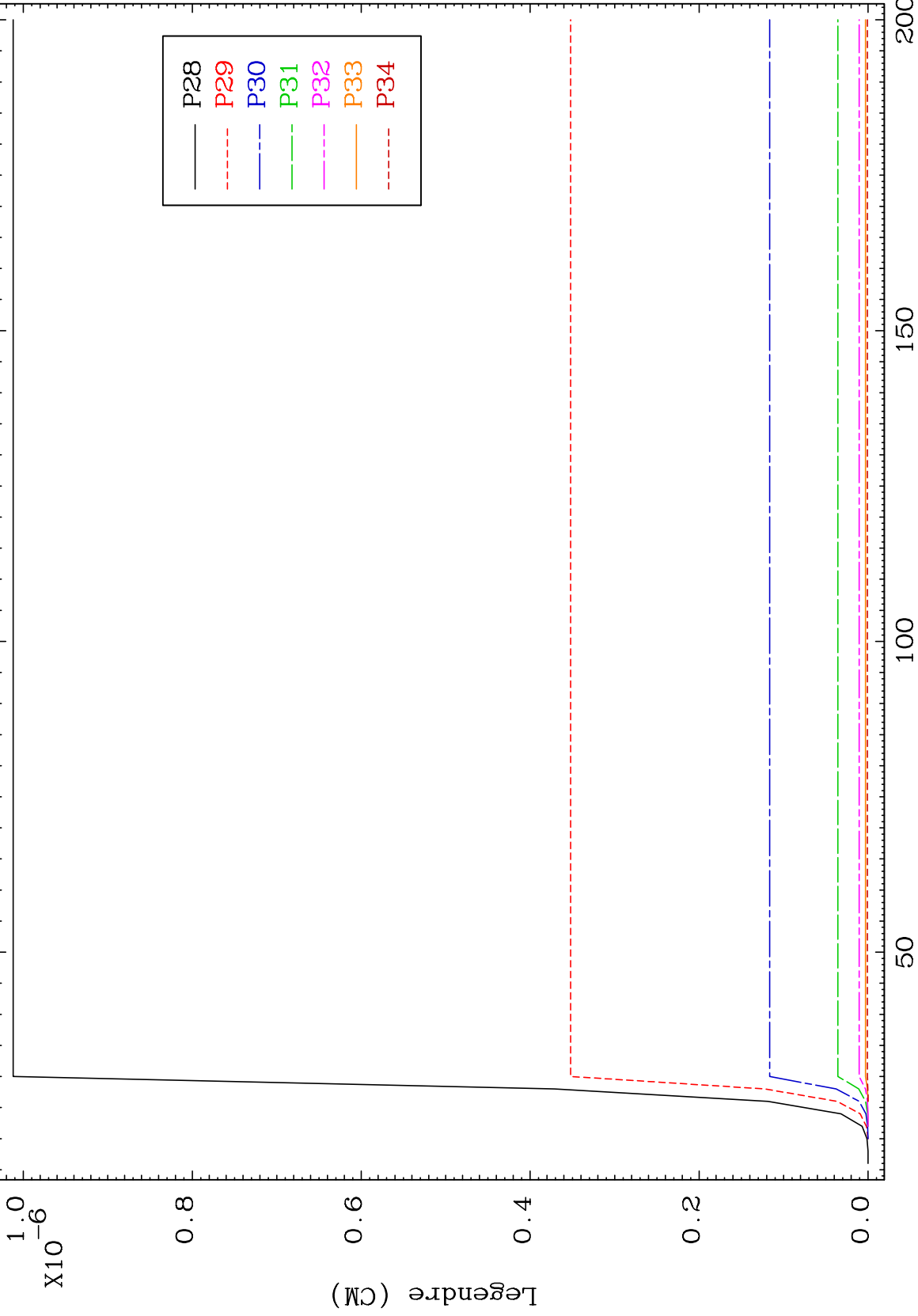


51-Sb-133

Incident Energy (MeV)

40

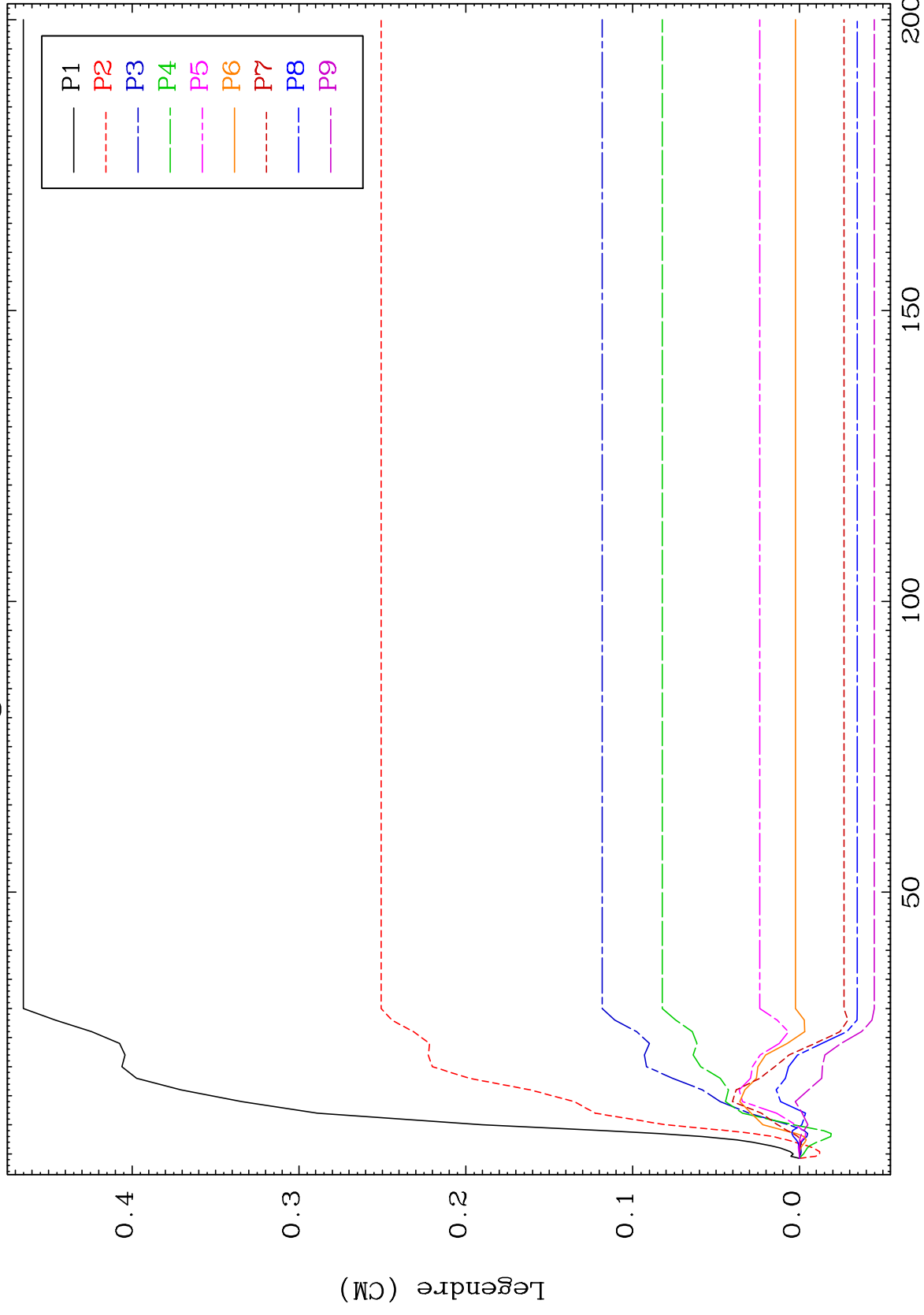




MAT 5161

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

51-Sb-133



43

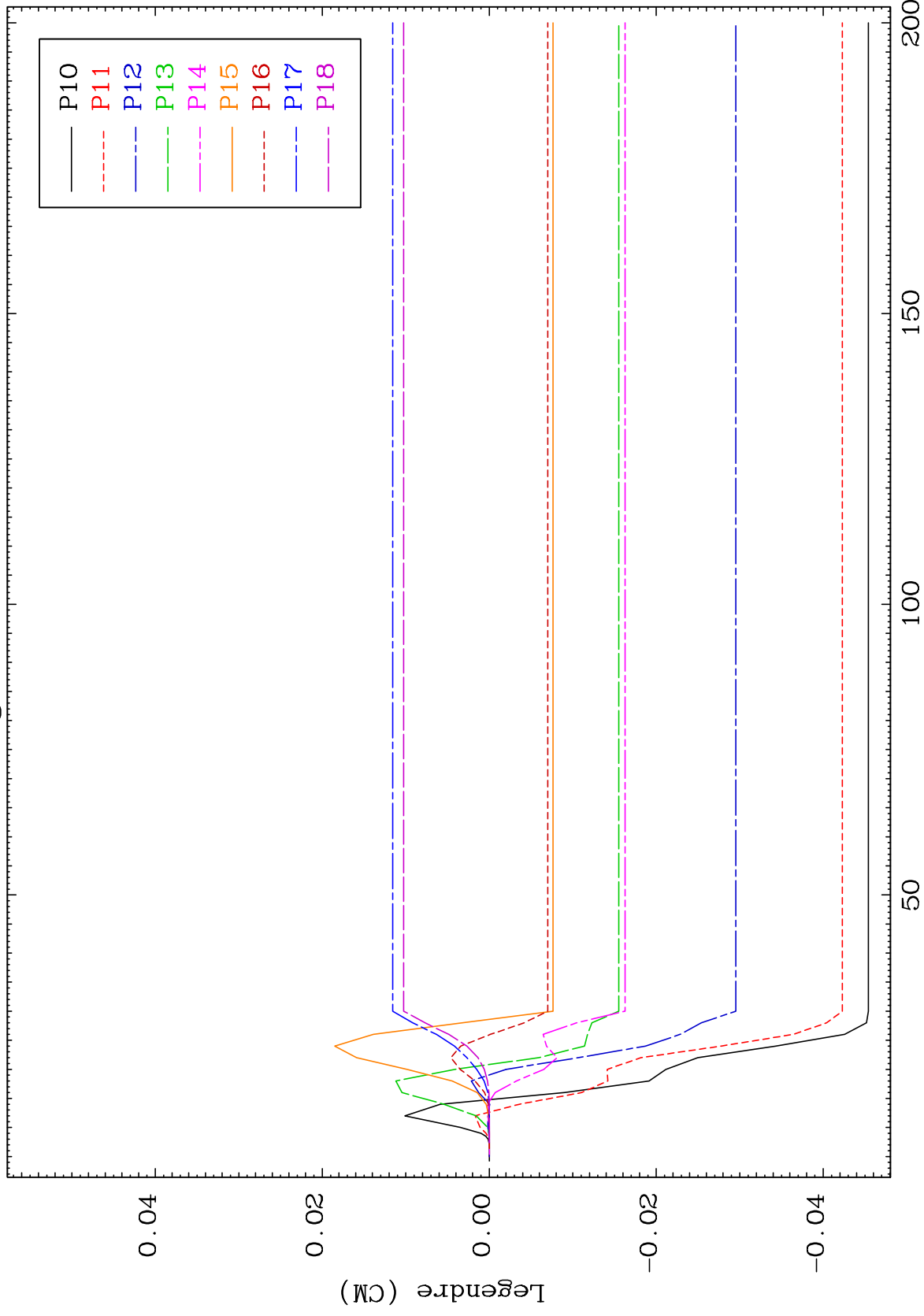
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



44

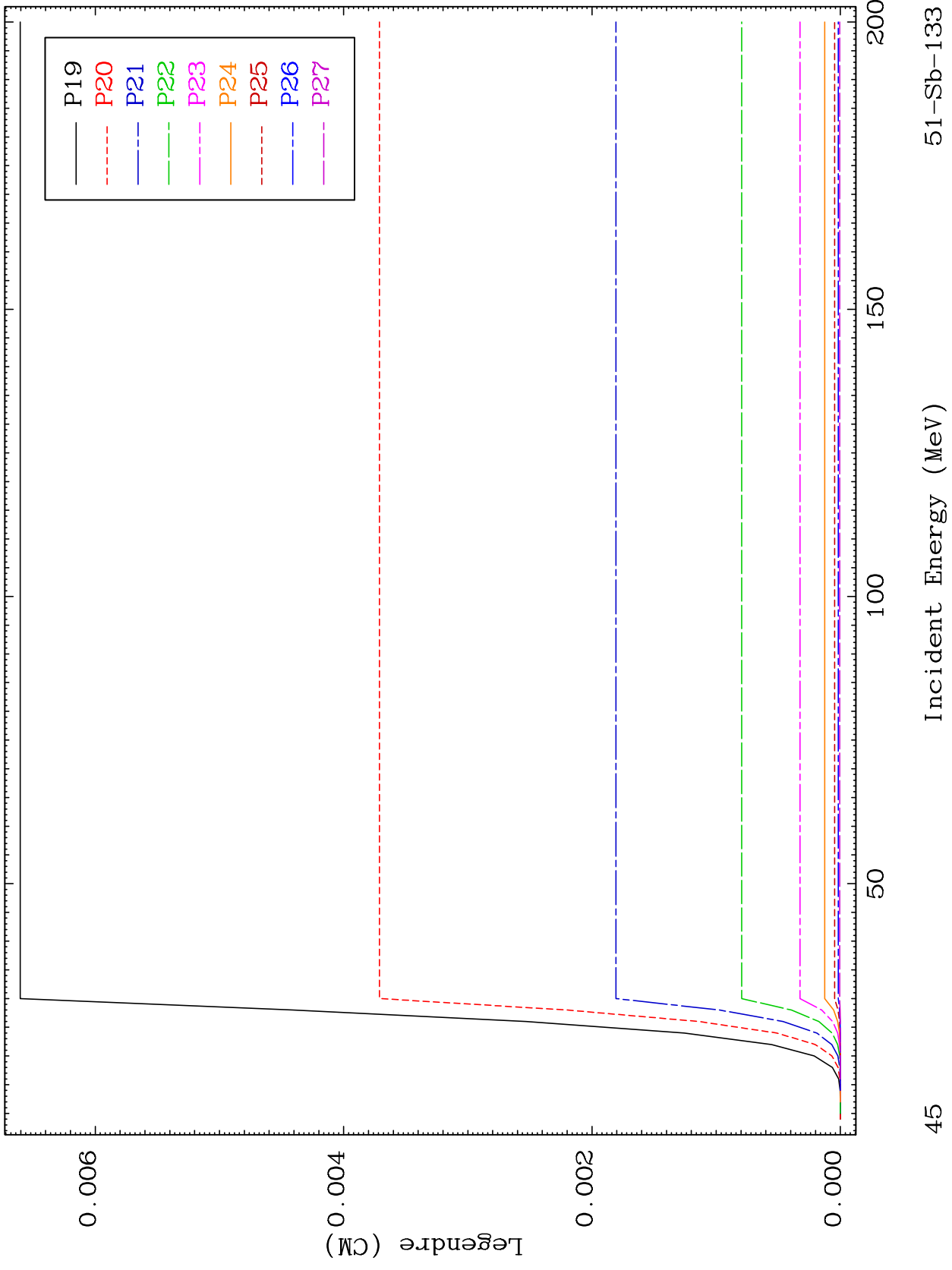
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



51-Sb-133

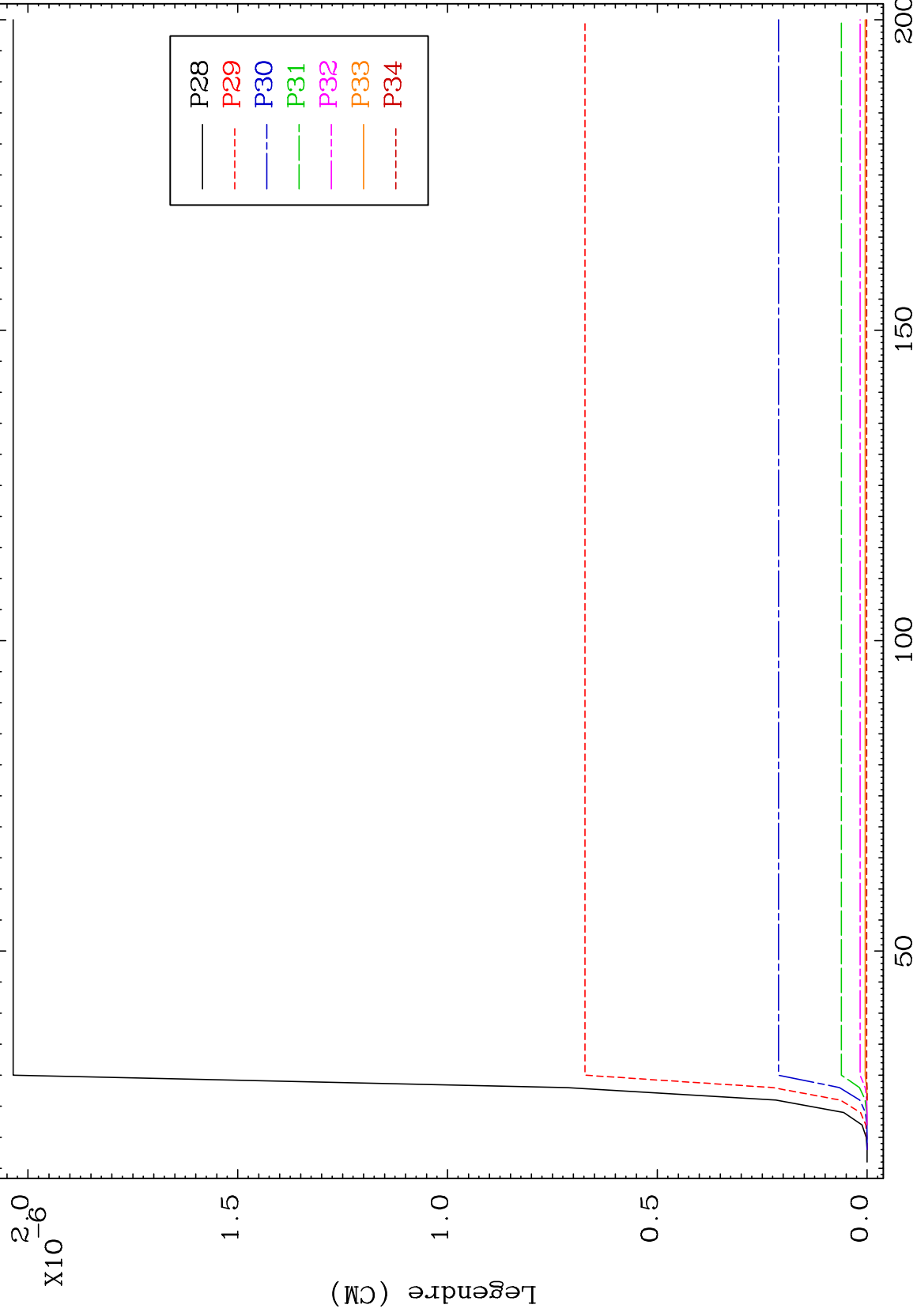
Incident Energy (MeV)

45

MAT 5161

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

51-Sb-133



46

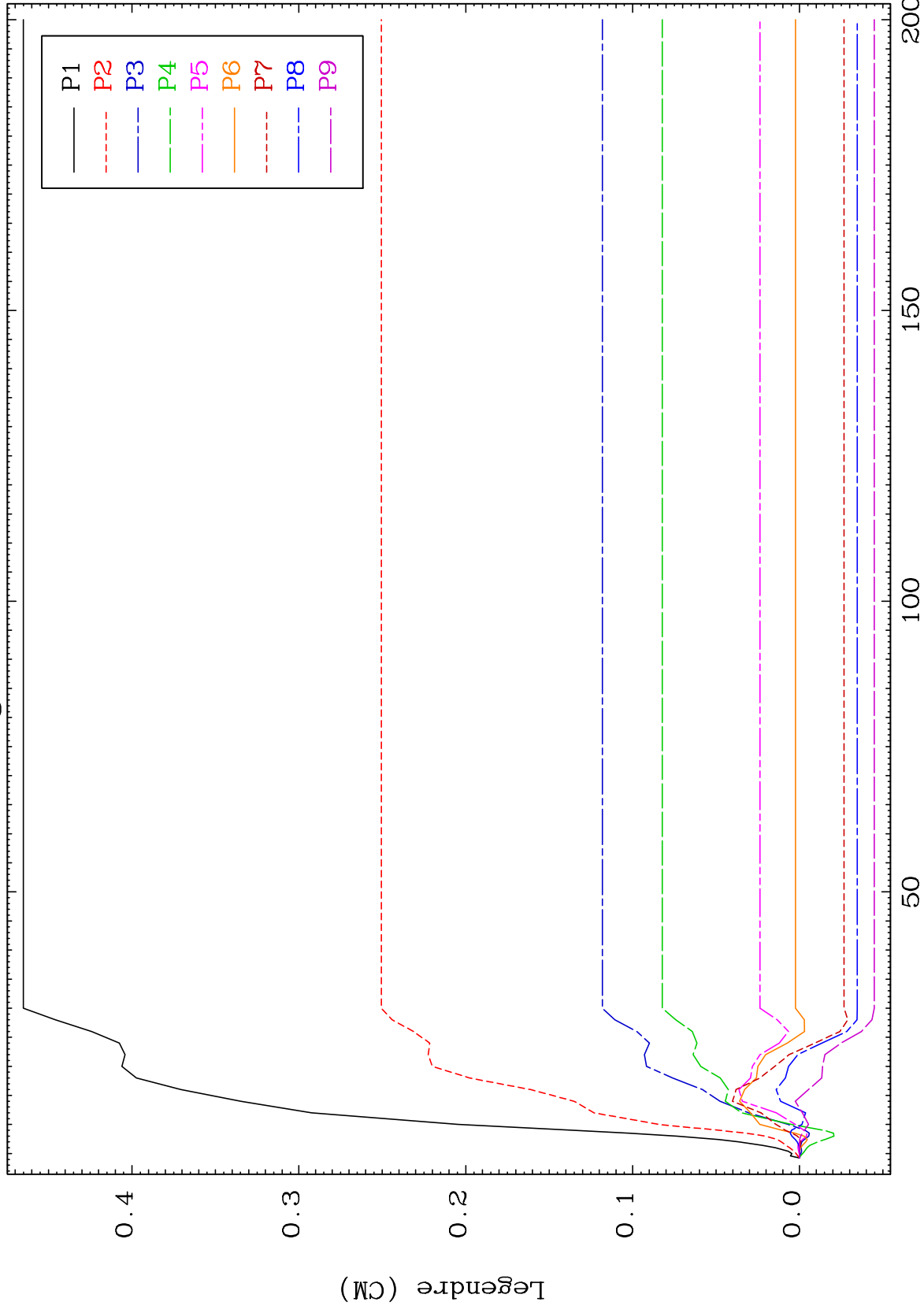
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



47

Incident Energy (MeV)

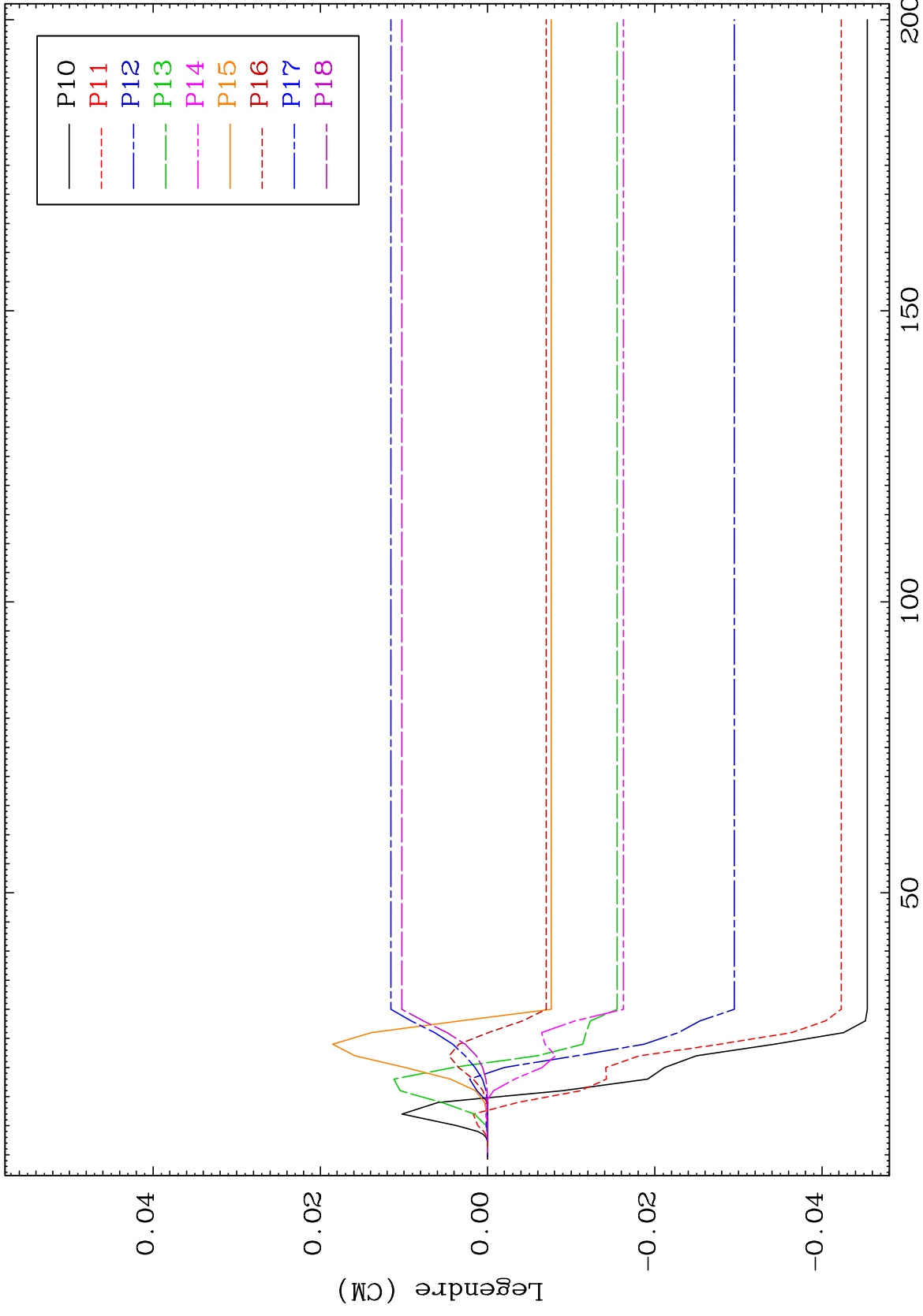
51-Sb-133



MAT 5161

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

51-Sb-133



48

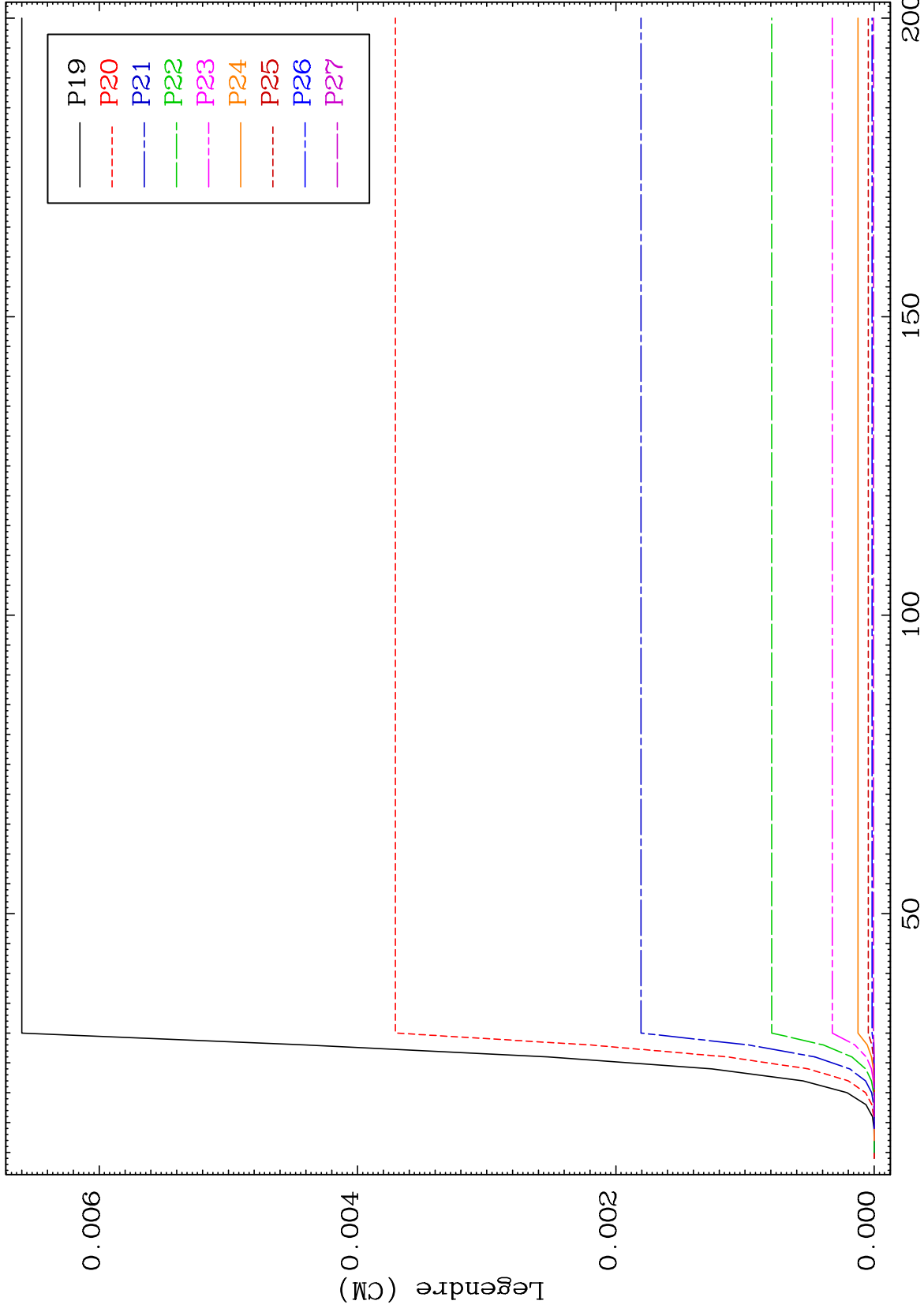
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



49

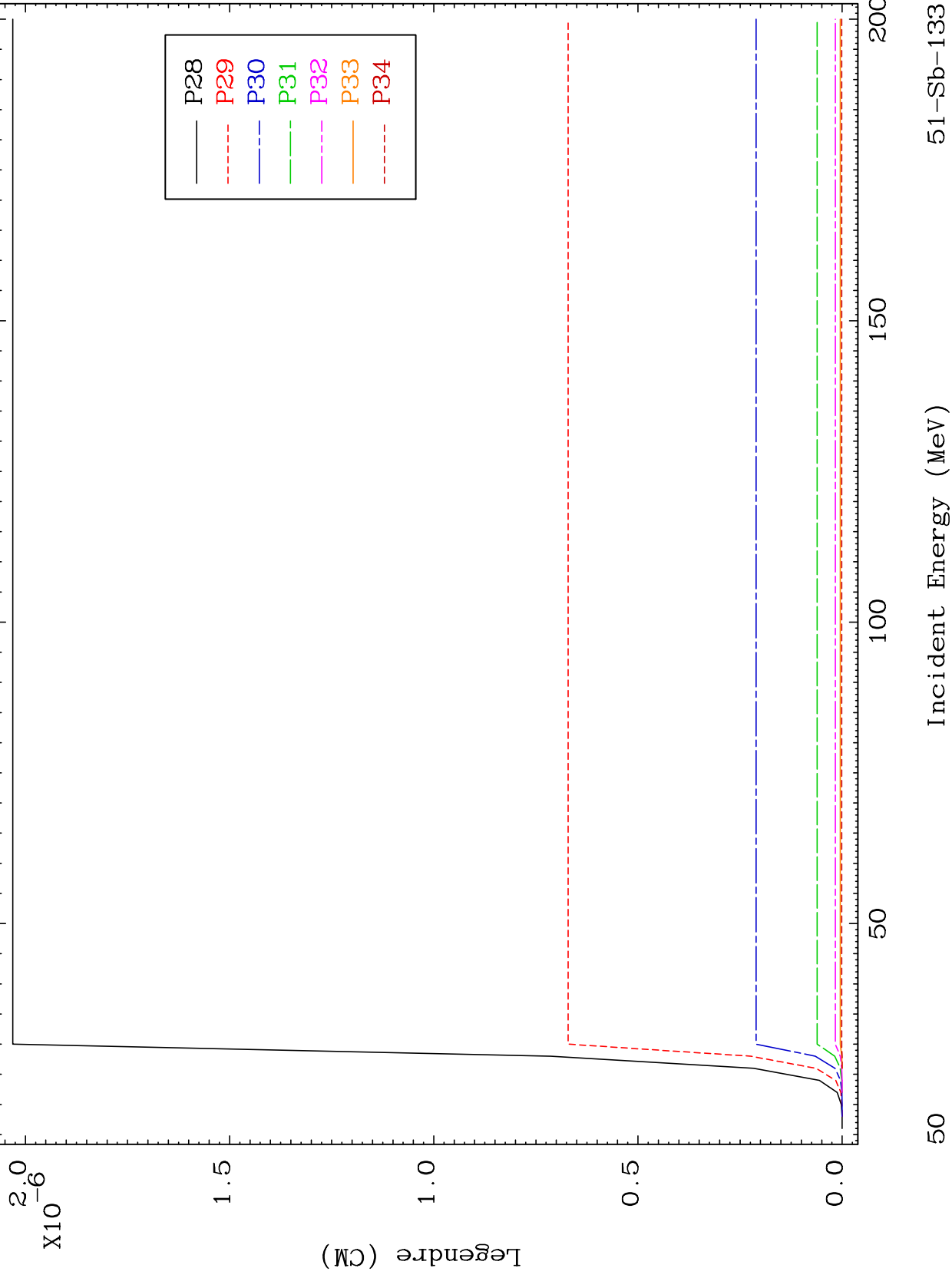
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

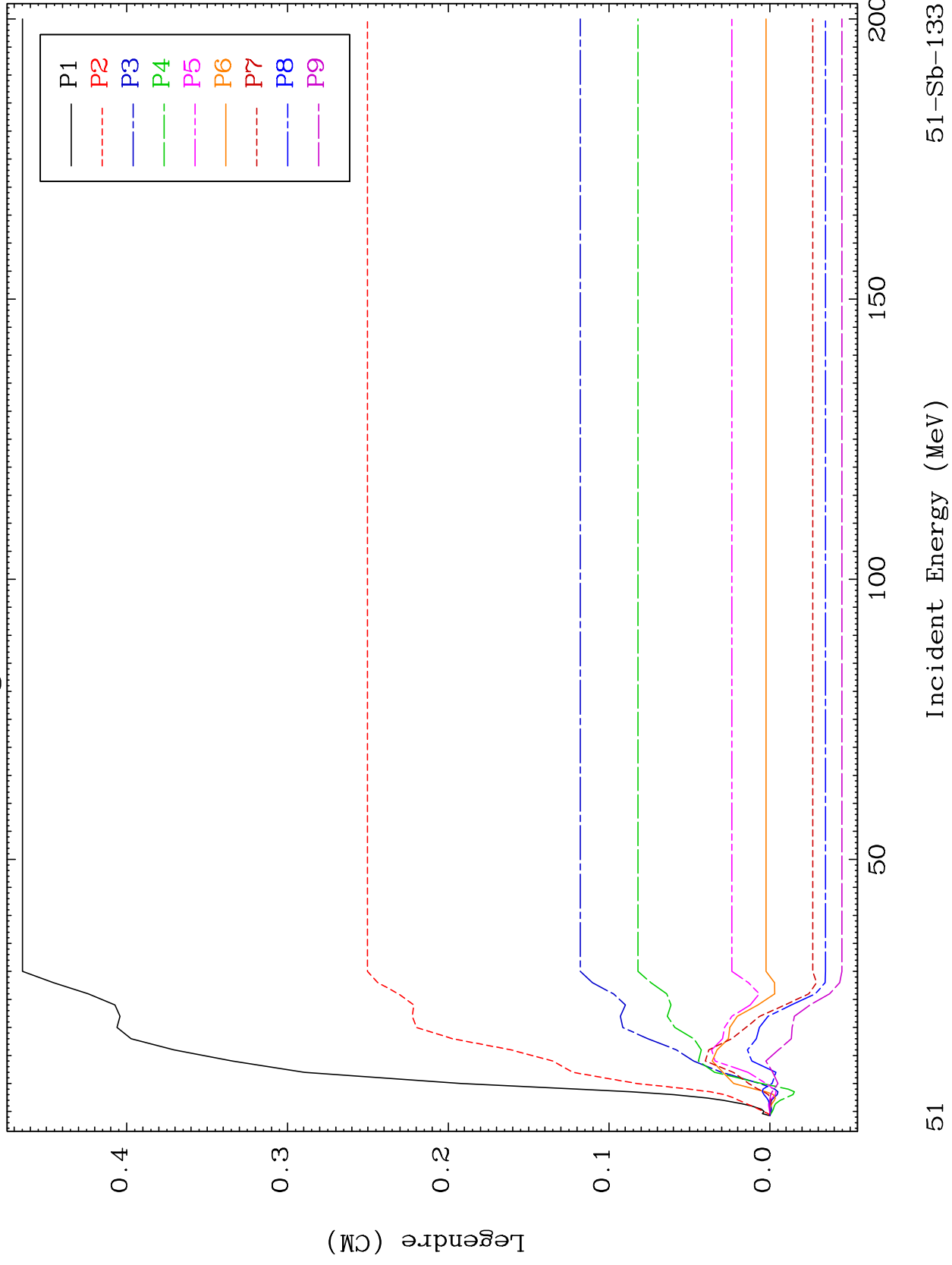
51-Sb-133



MAT 5161

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

51-Sb-133

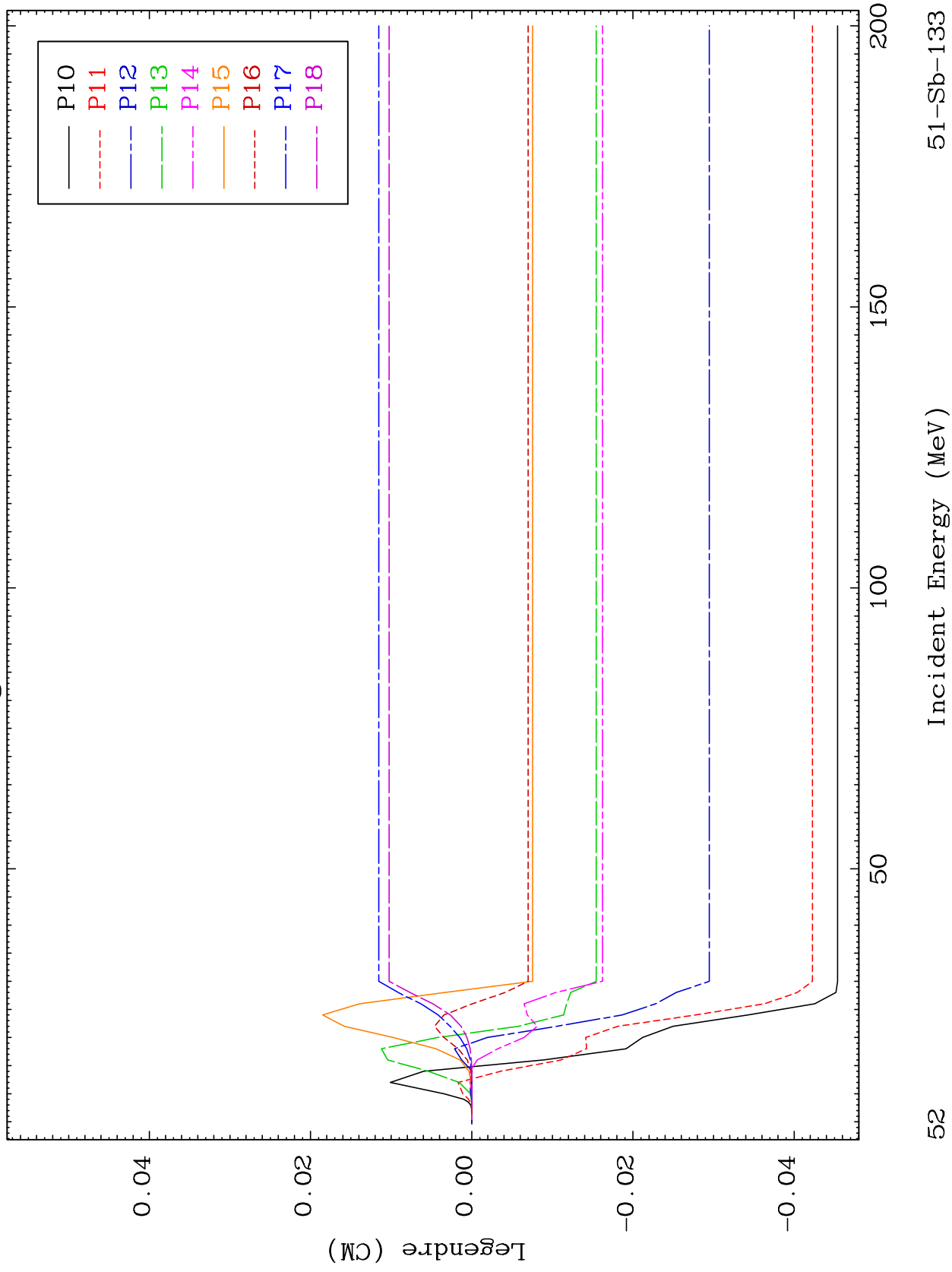


51

MAT 5161

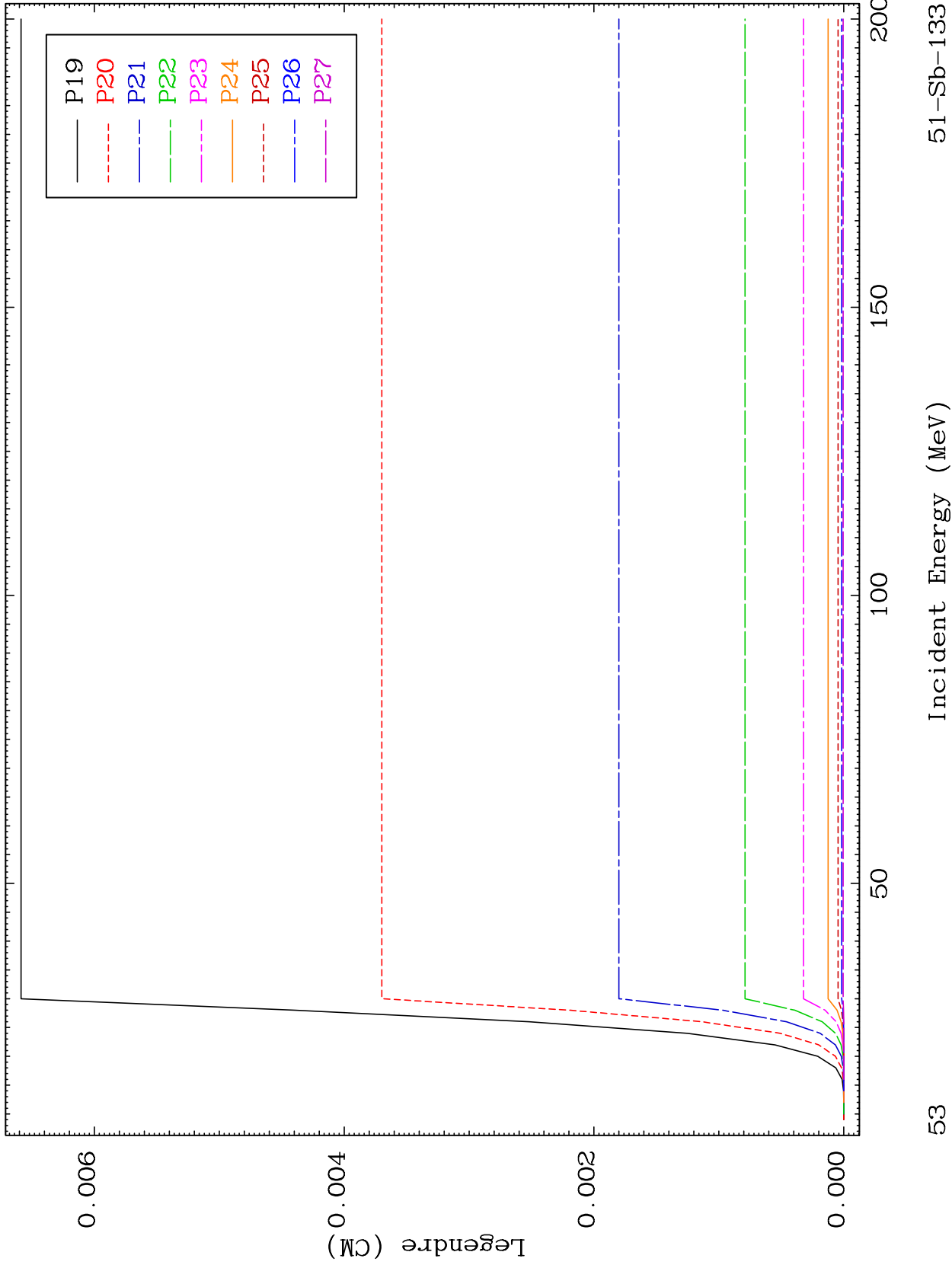
MT= 59 (n,n') Level  
Legendre Coefficients

51-Sb-133



52

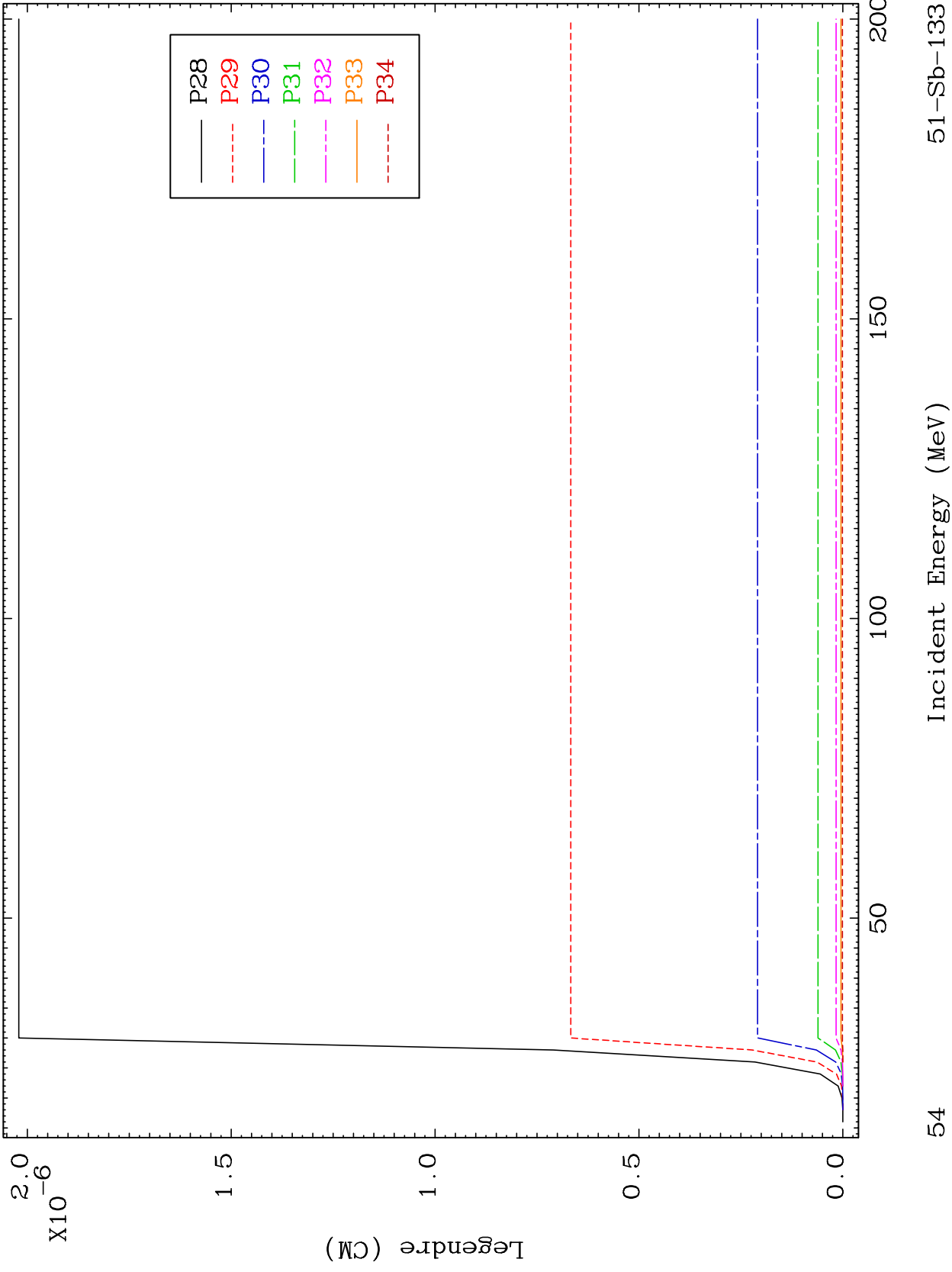
51-Sb-133



MAT 5161

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

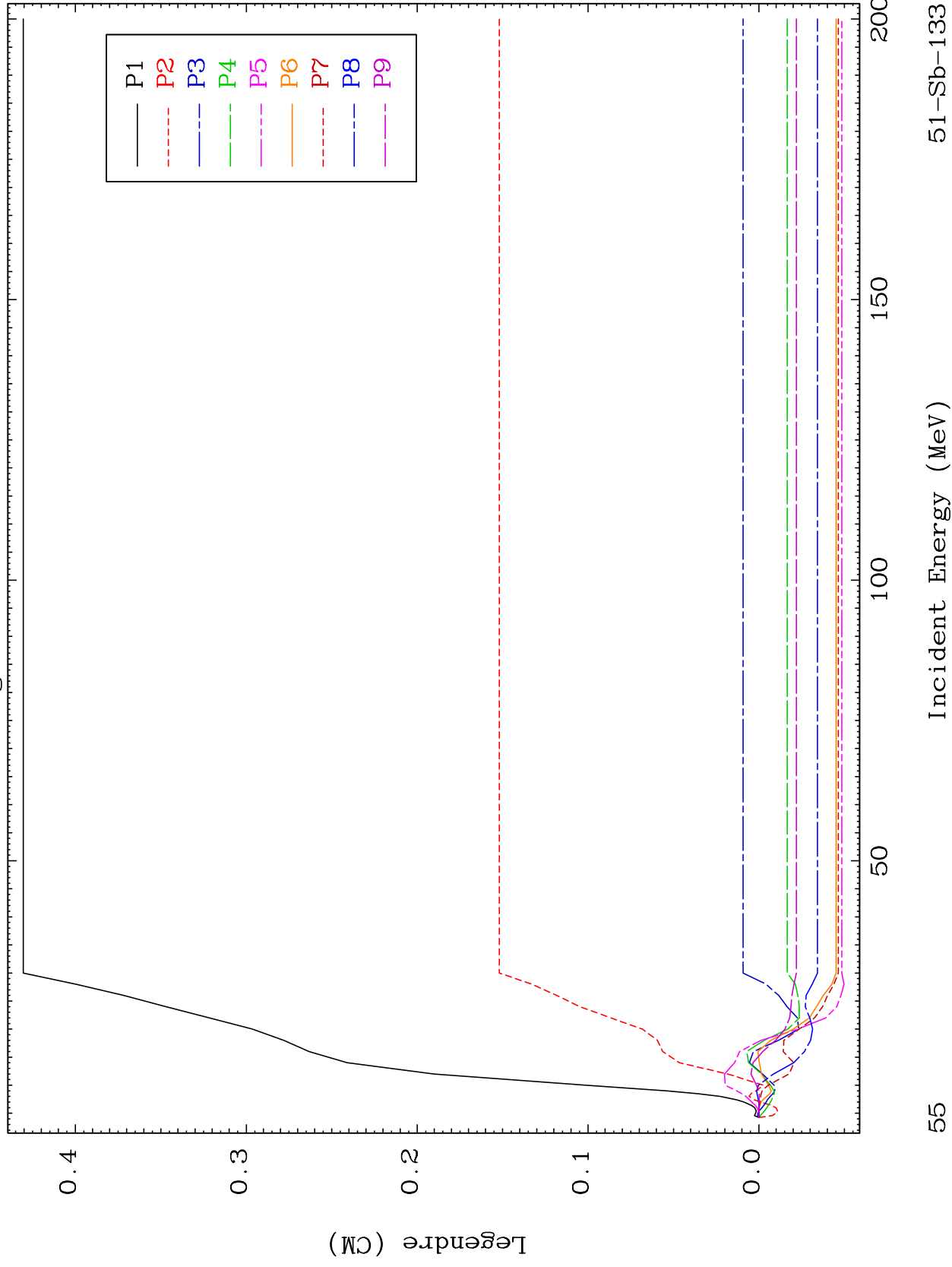
51-Sb-133



51-Sb-133

Incident Energy (MeV)

54

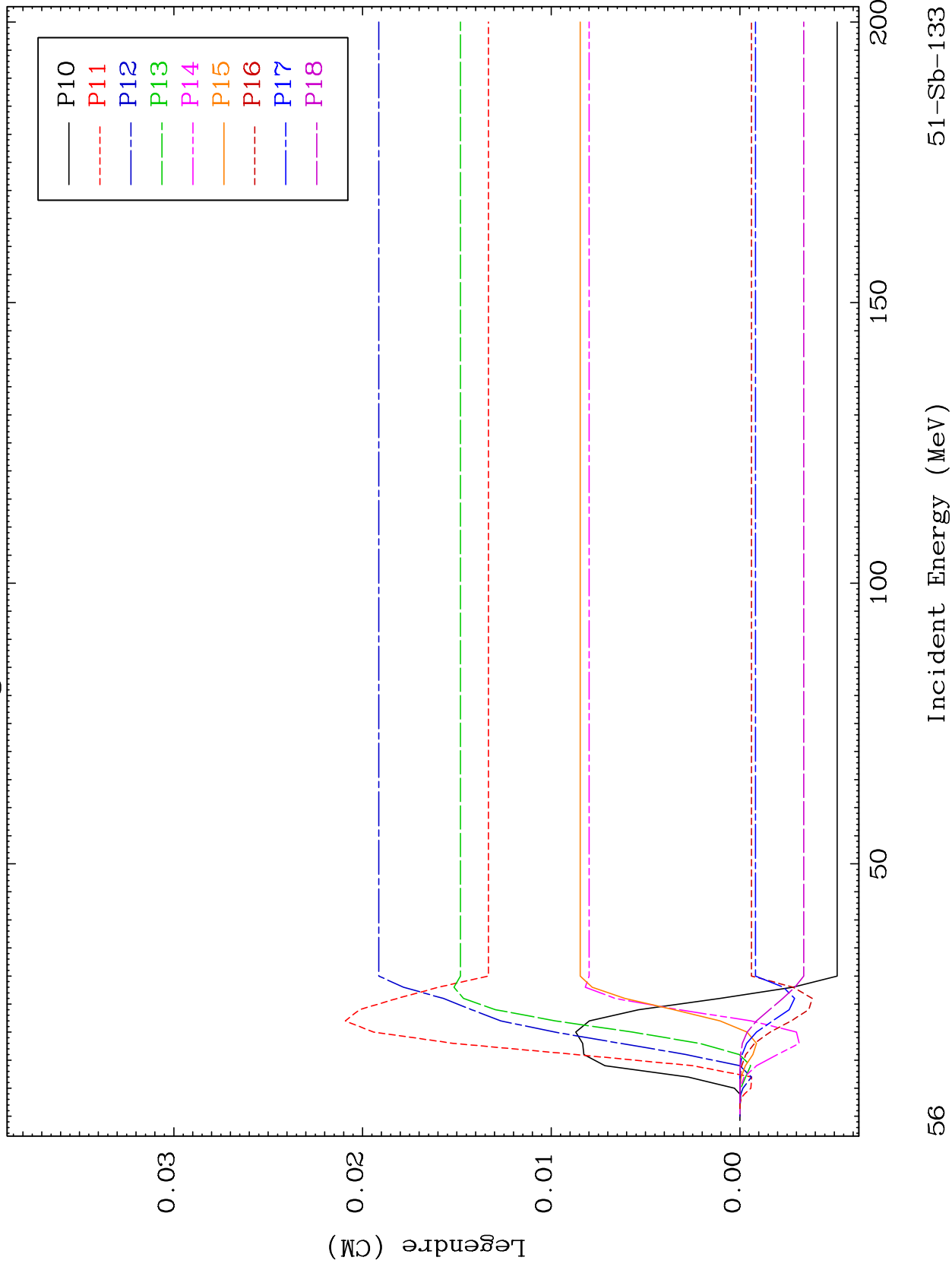




MAT 5161

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

51-Sb-133



56

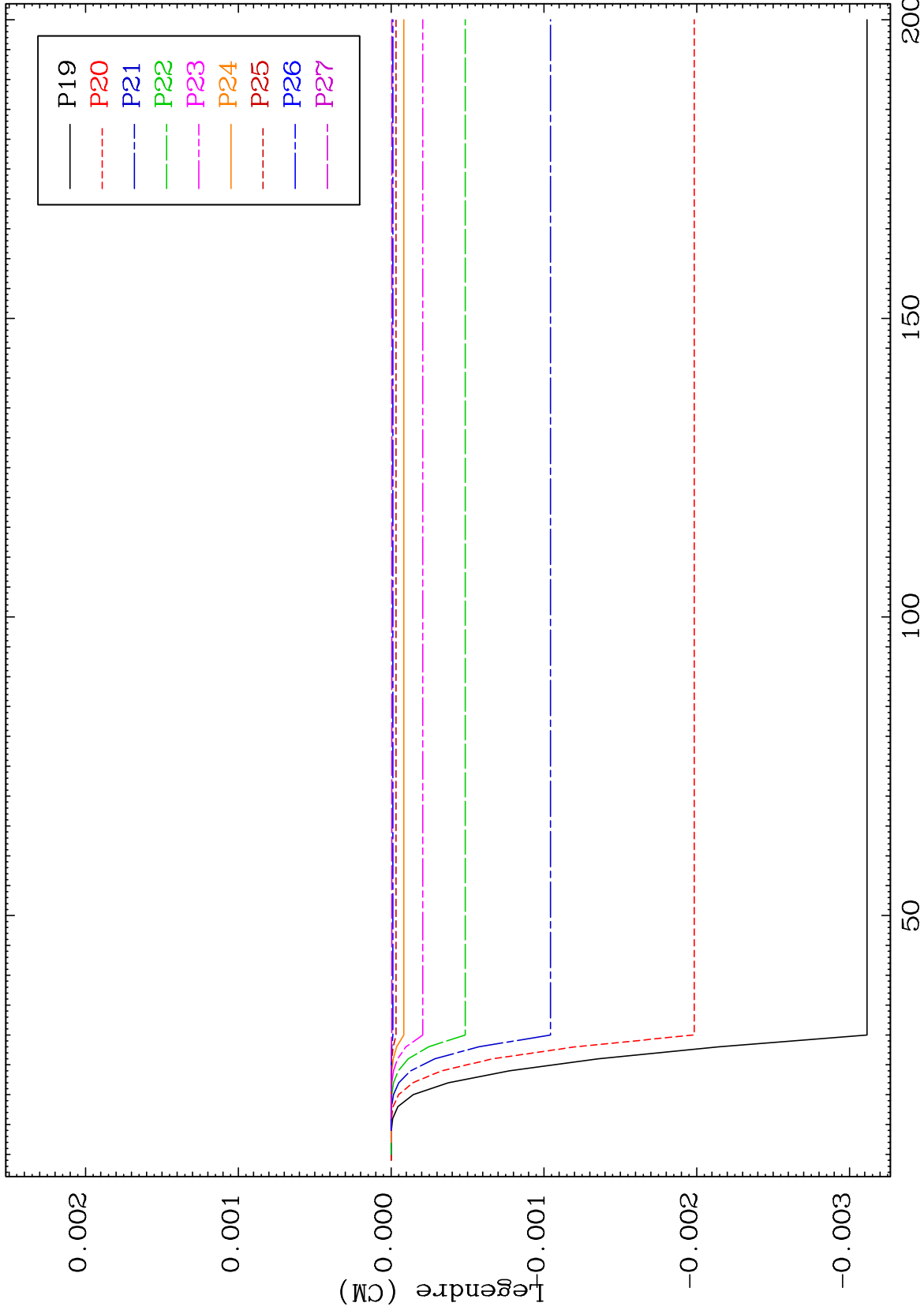
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

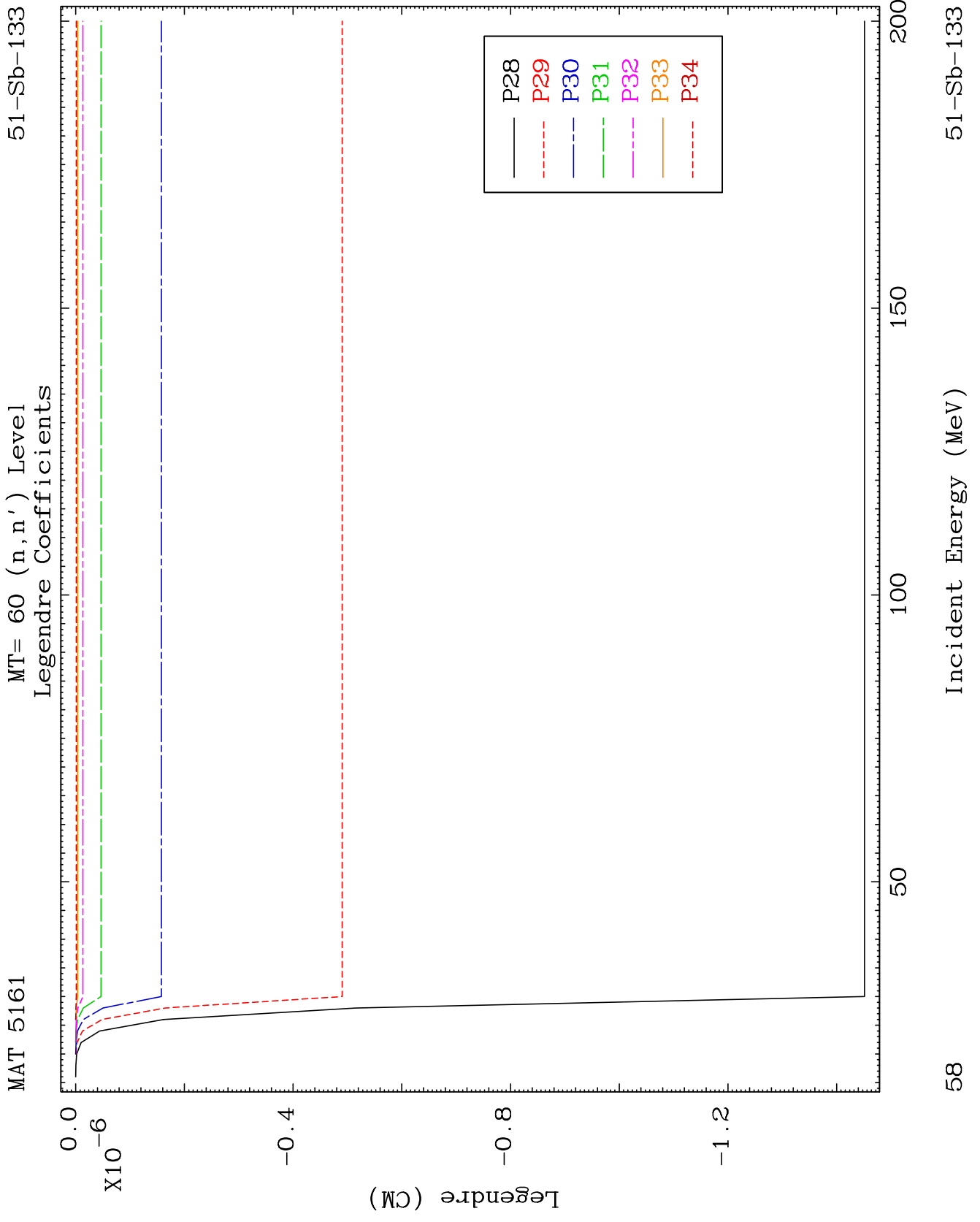
51-Sb-133

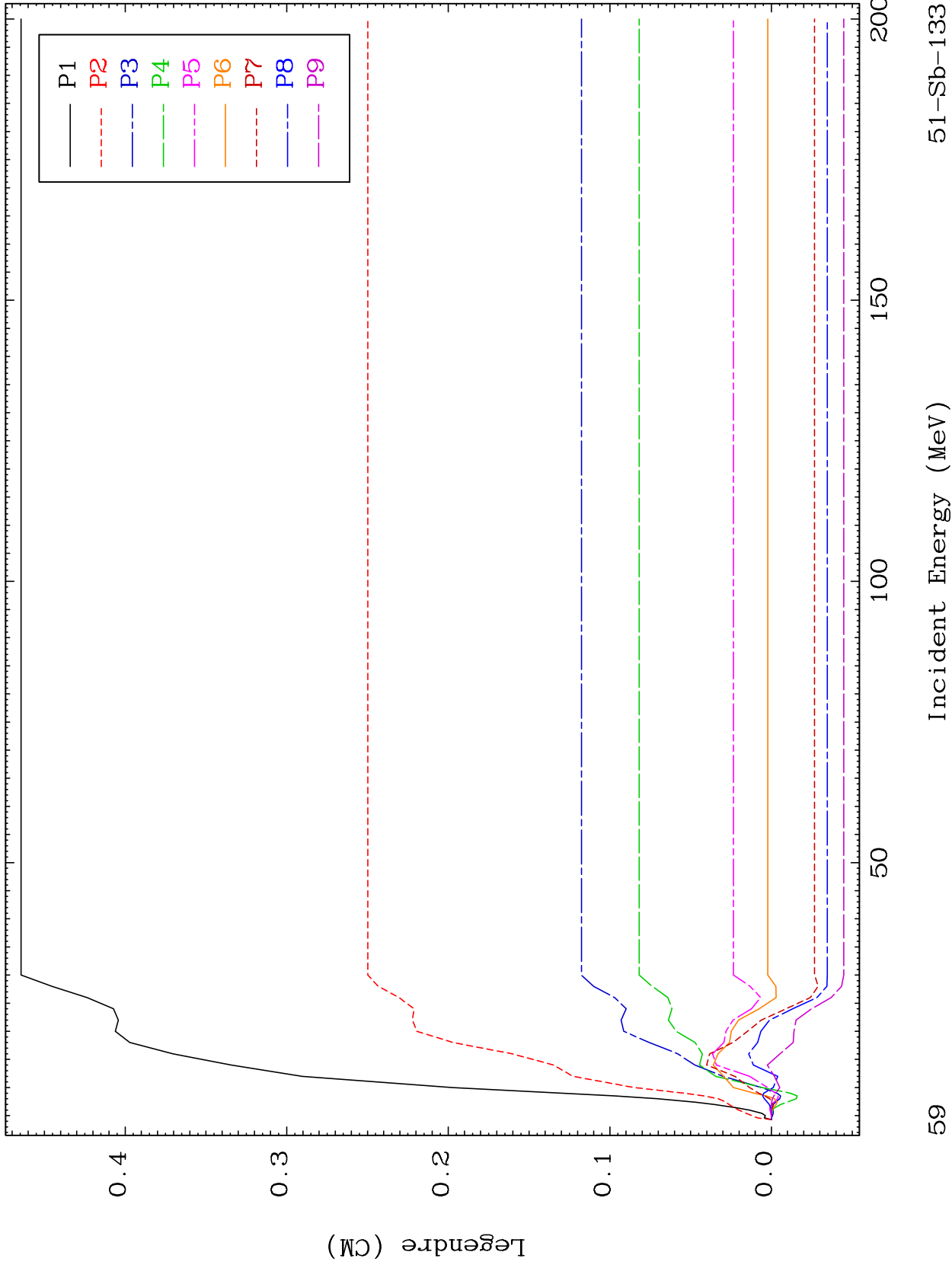


57

Incident Energy (MeV)

51-Sb-133

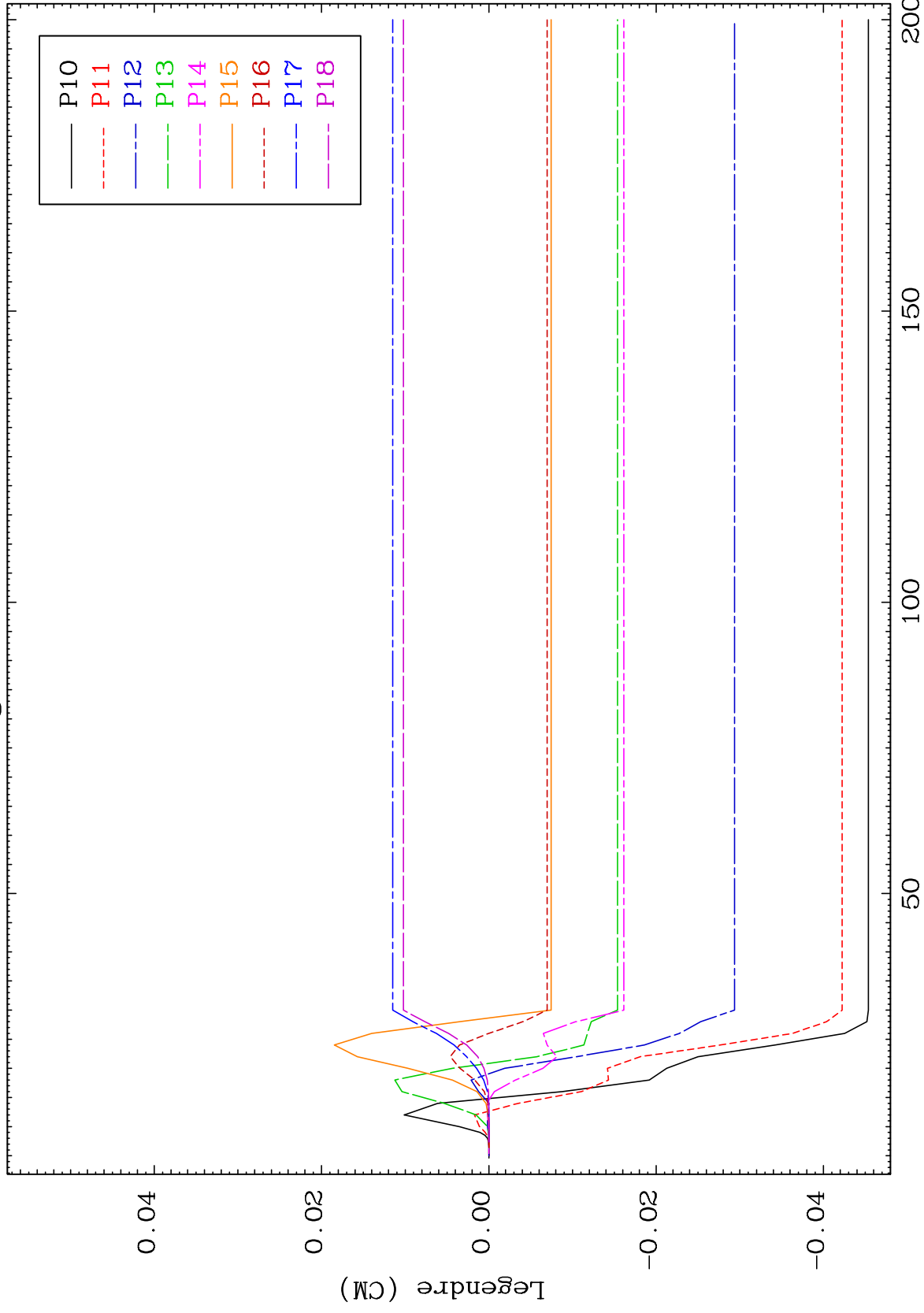




MAT 5161

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

51-Sb-133



60

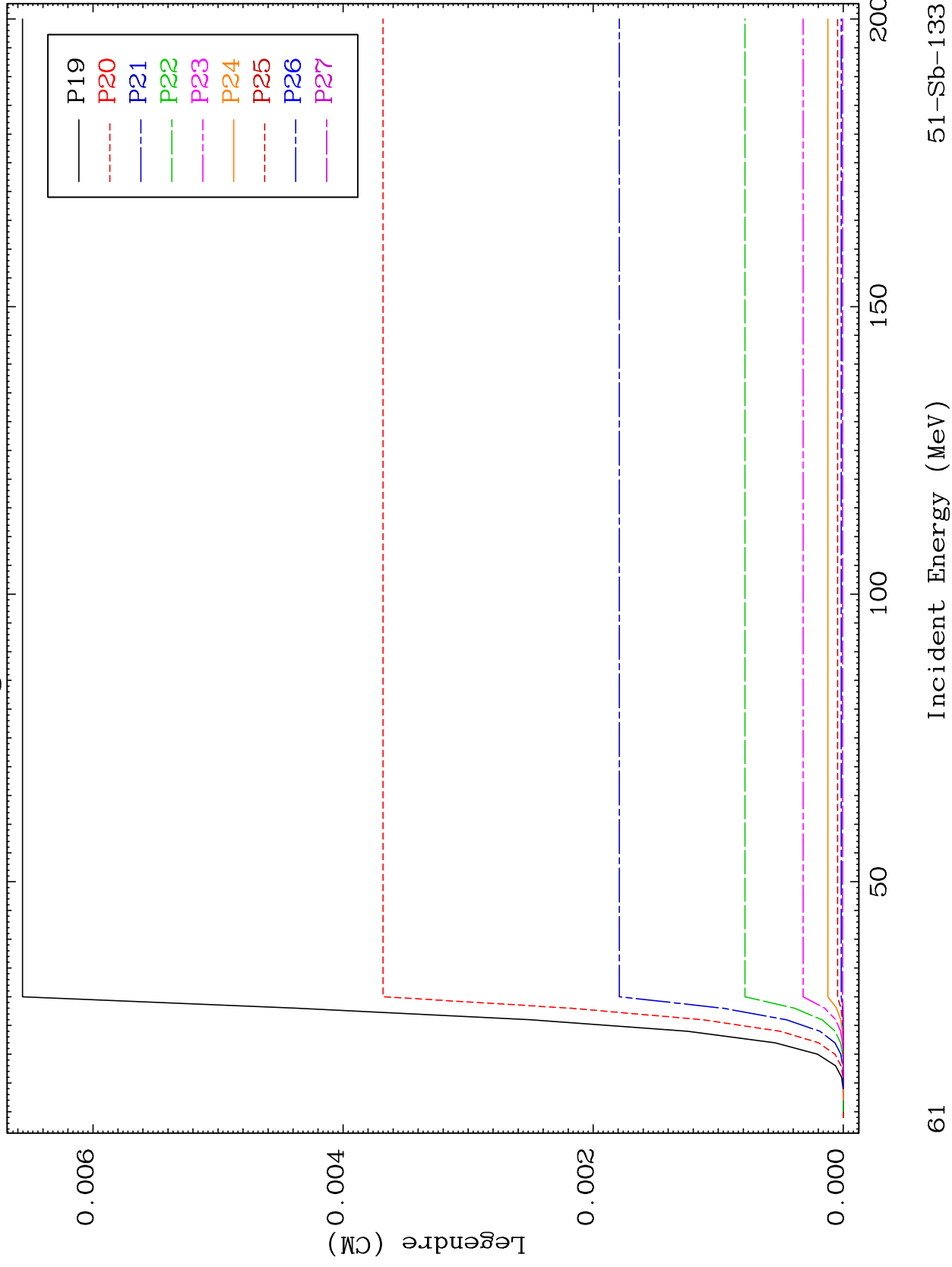
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



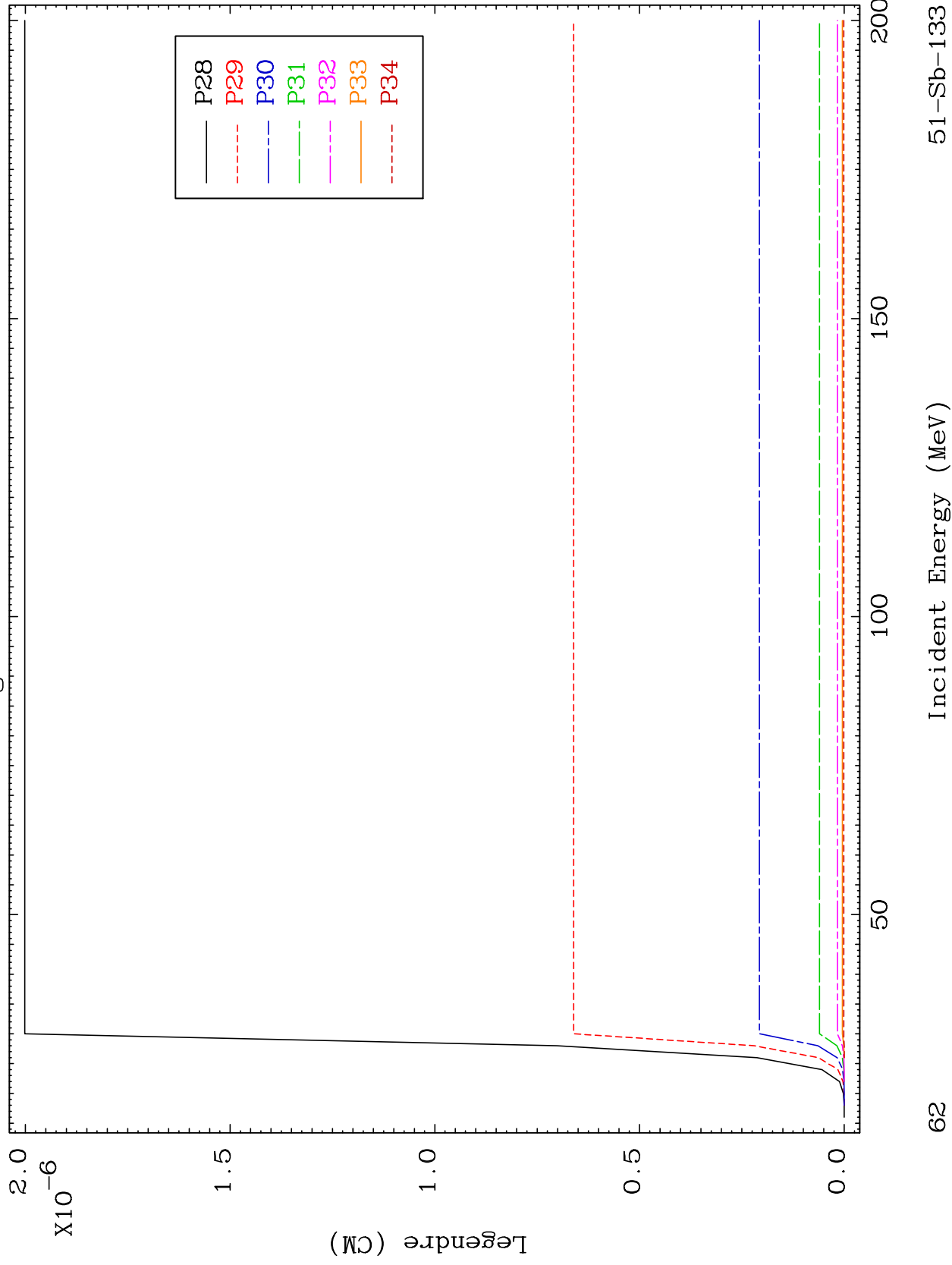
61

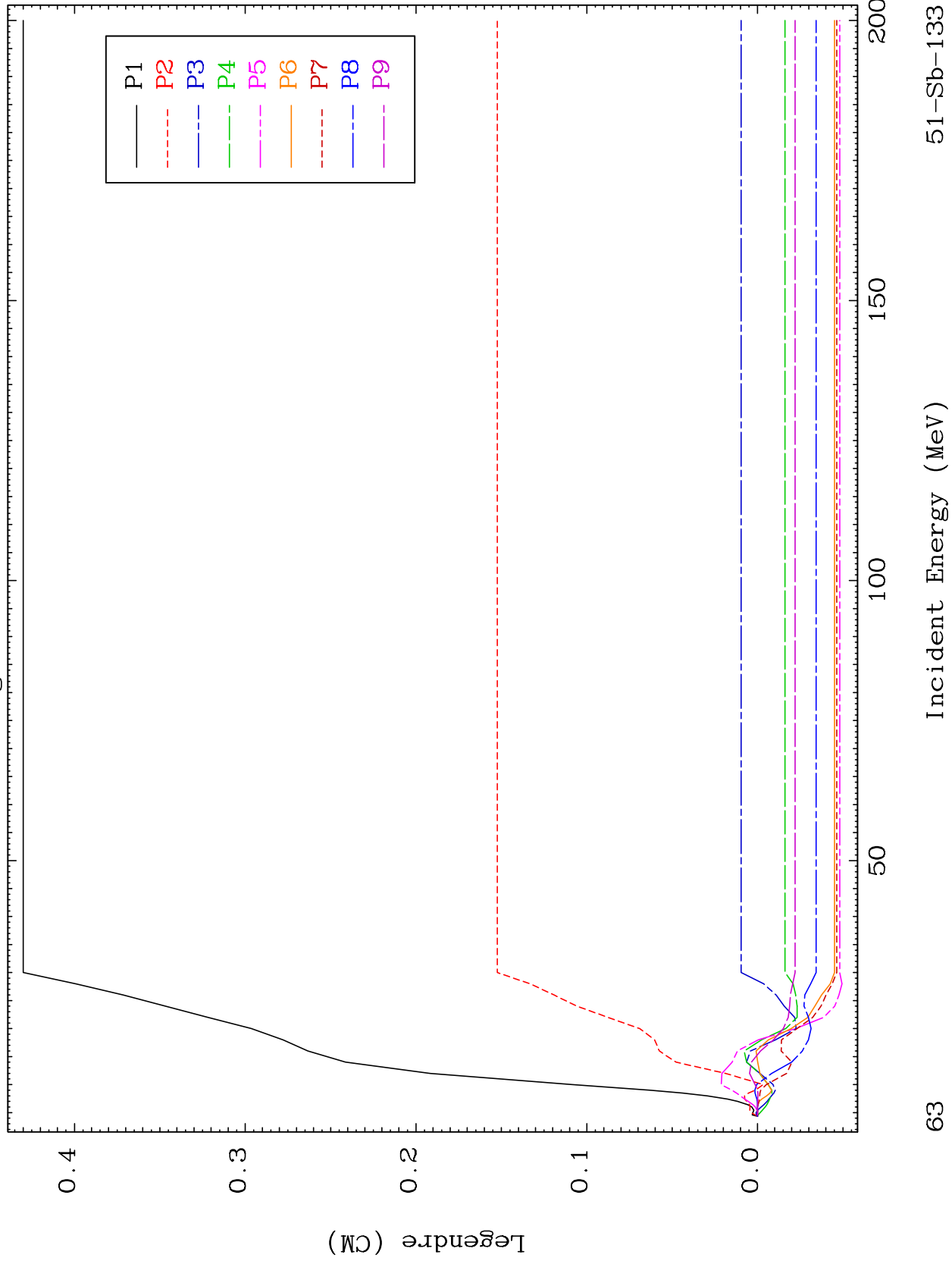
51-Sb-133

MAT 5161

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

51-Sb-133



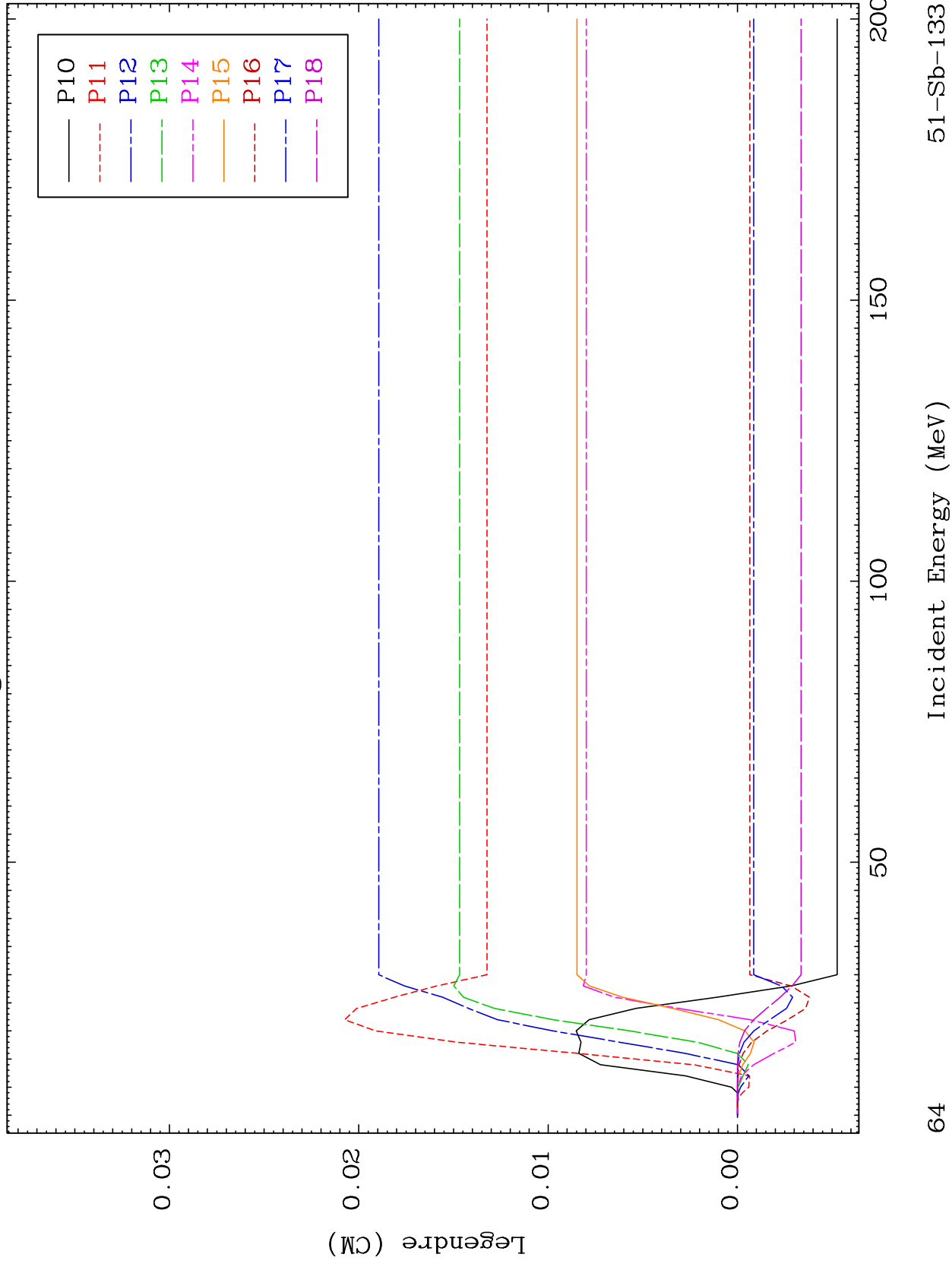




MAT 5161

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

51-Sb-133



64

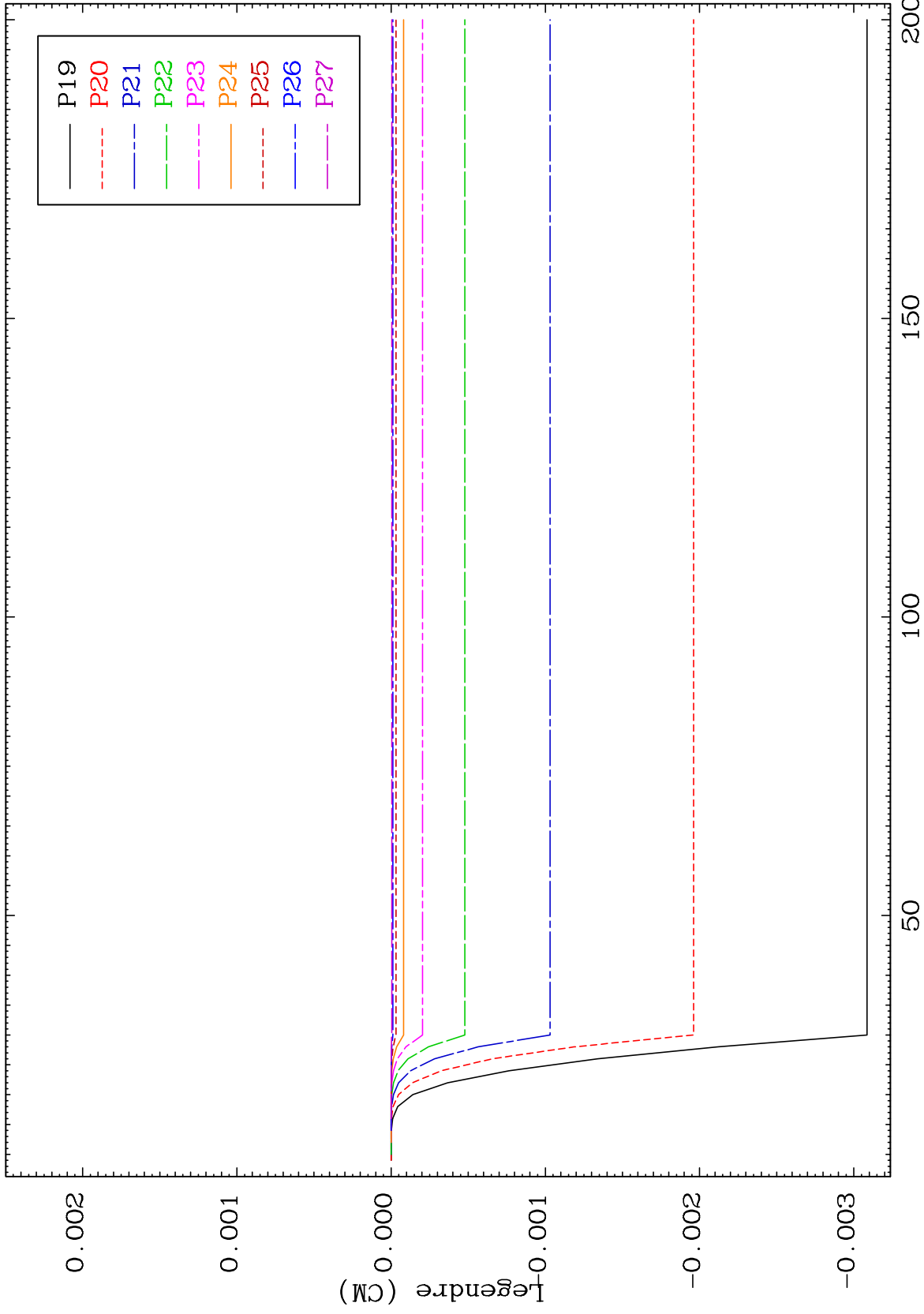
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133

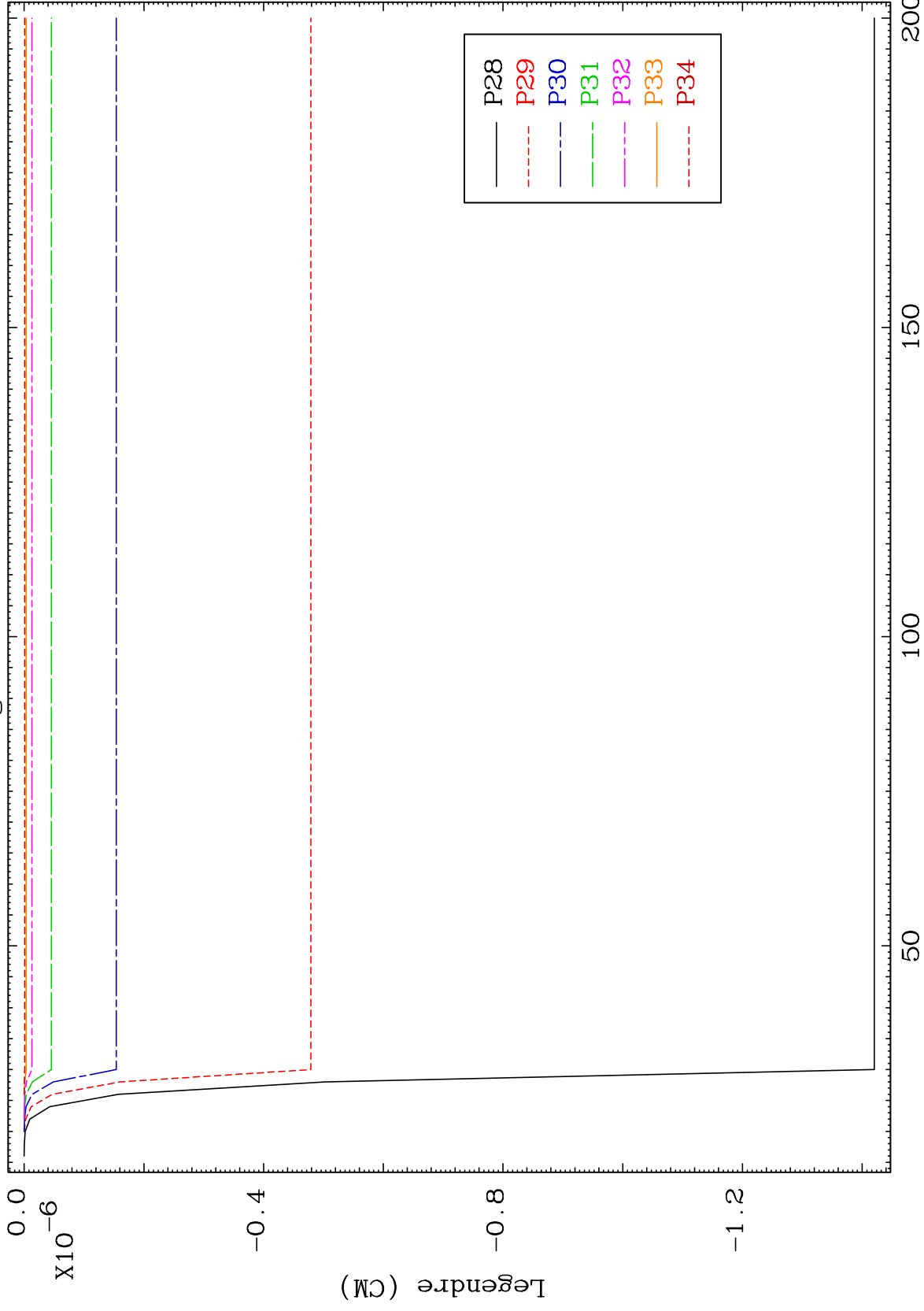


65

Incident Energy (MeV)

51-Sb-133

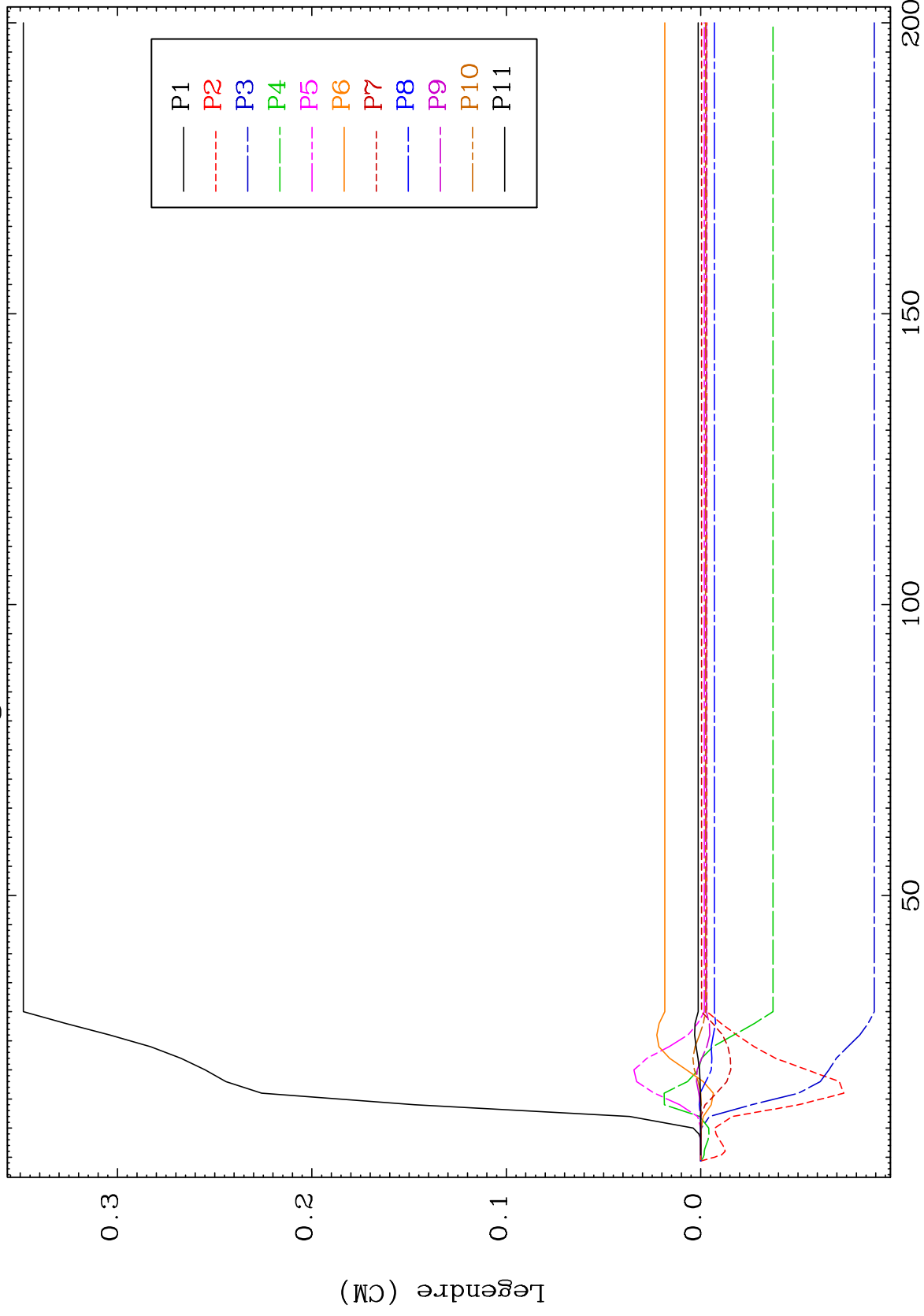
Legendre Coefficients



MAT 5161

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

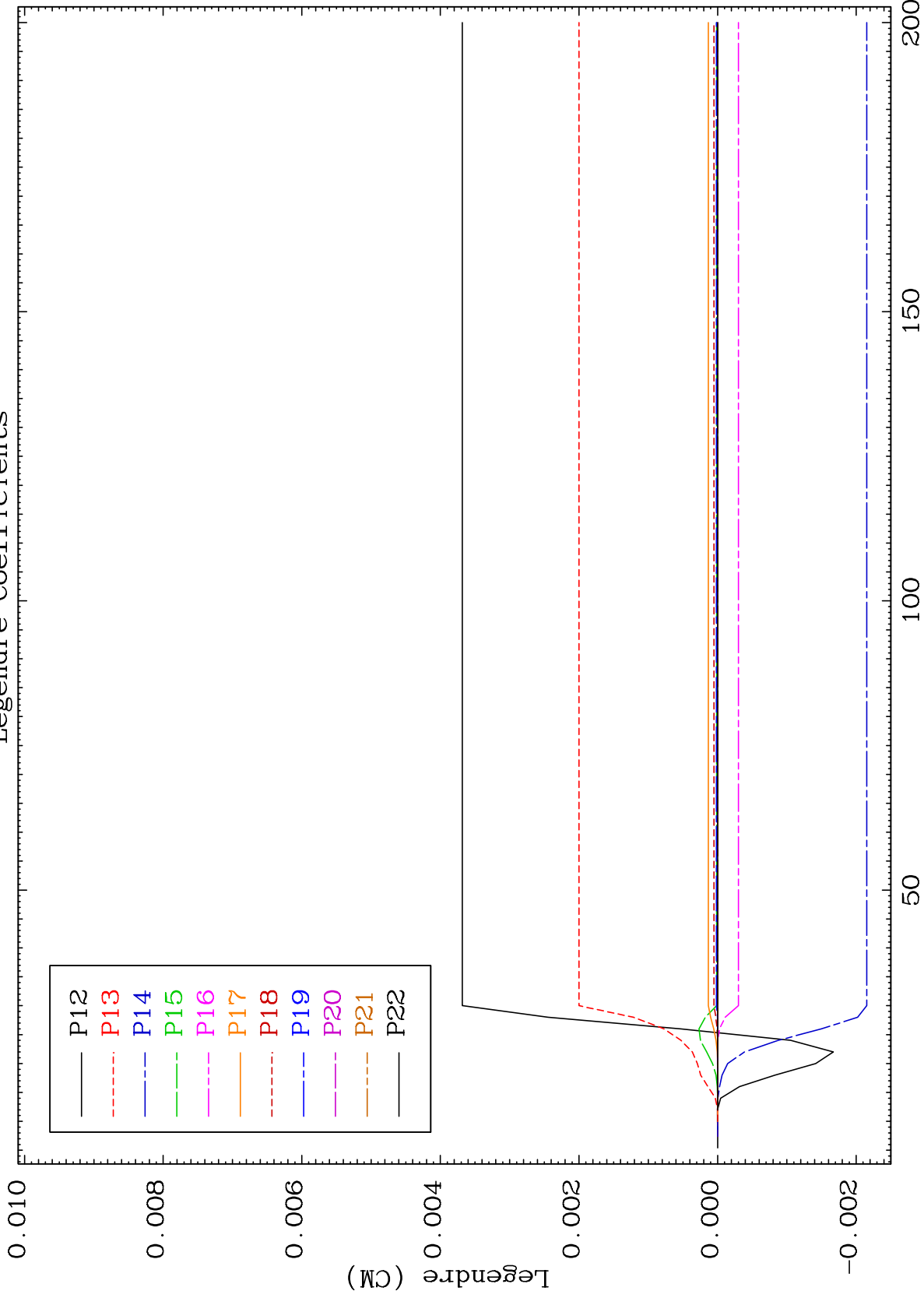
51-Sb-133



67

Incident Energy (MeV)

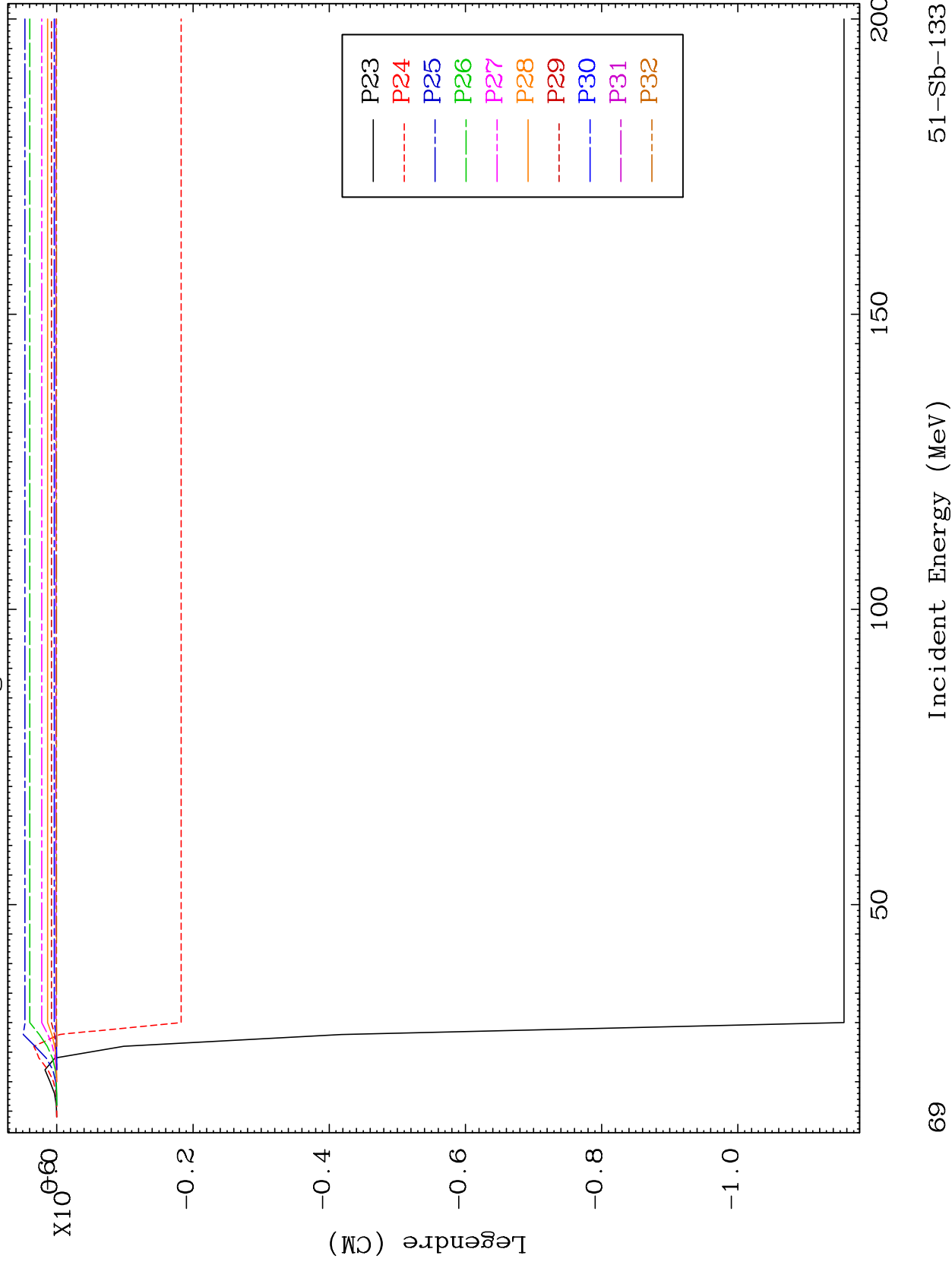
51-Sb-133



MAT 5161

51-Sb-133

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



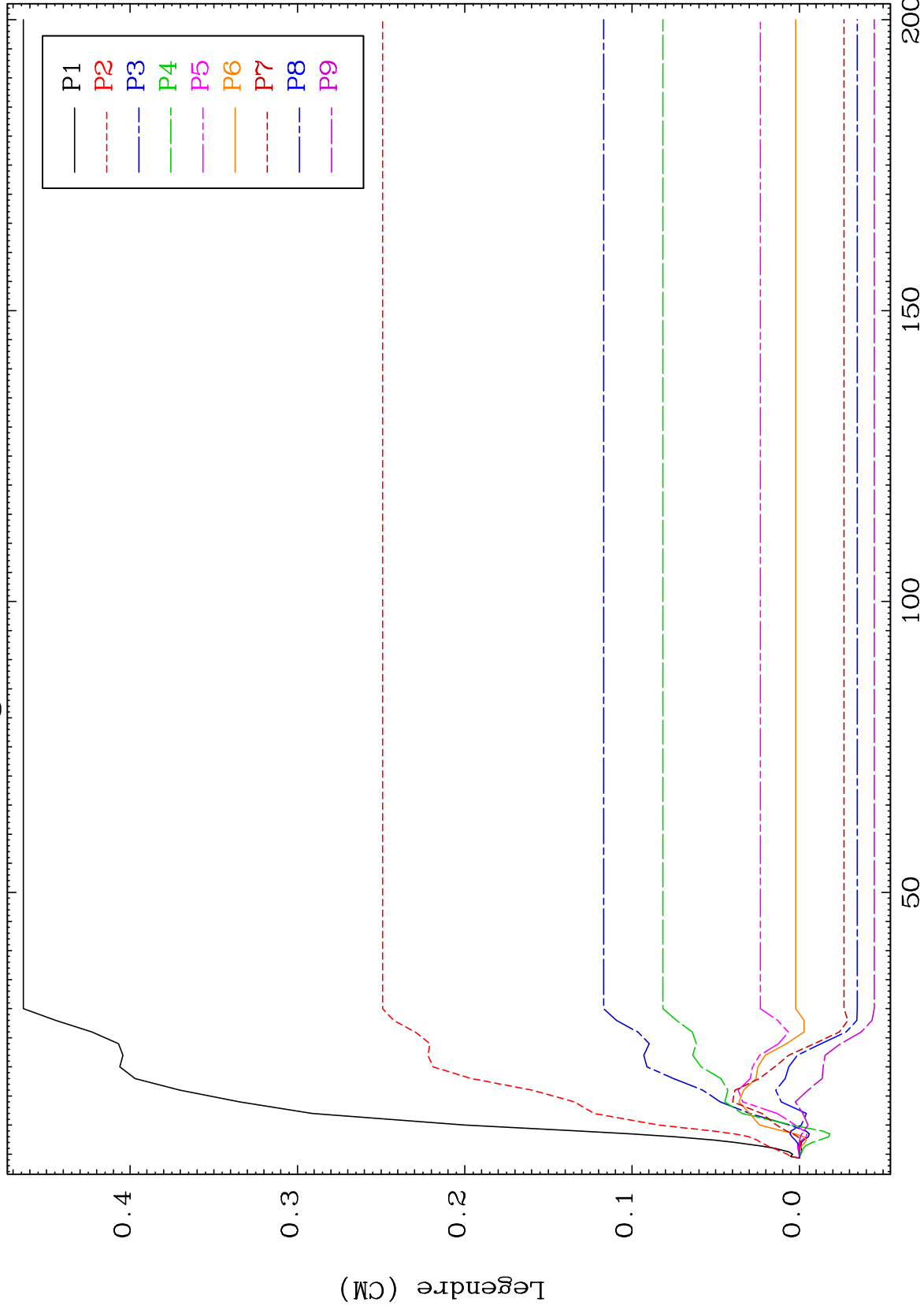
69

51-Sb-133

MAT 5161

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

51-Sb-133



70

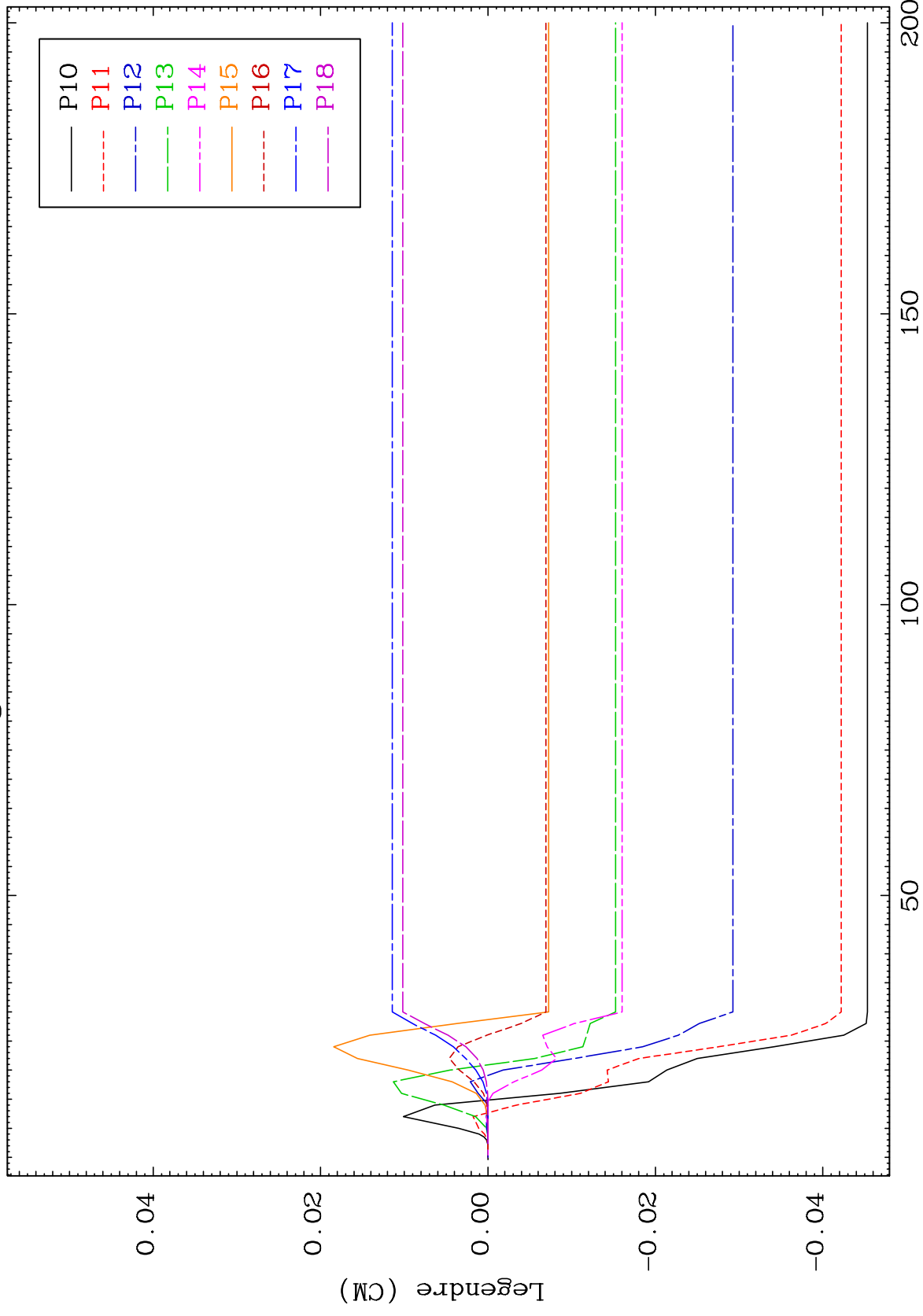
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



71

Incident Energy (MeV)

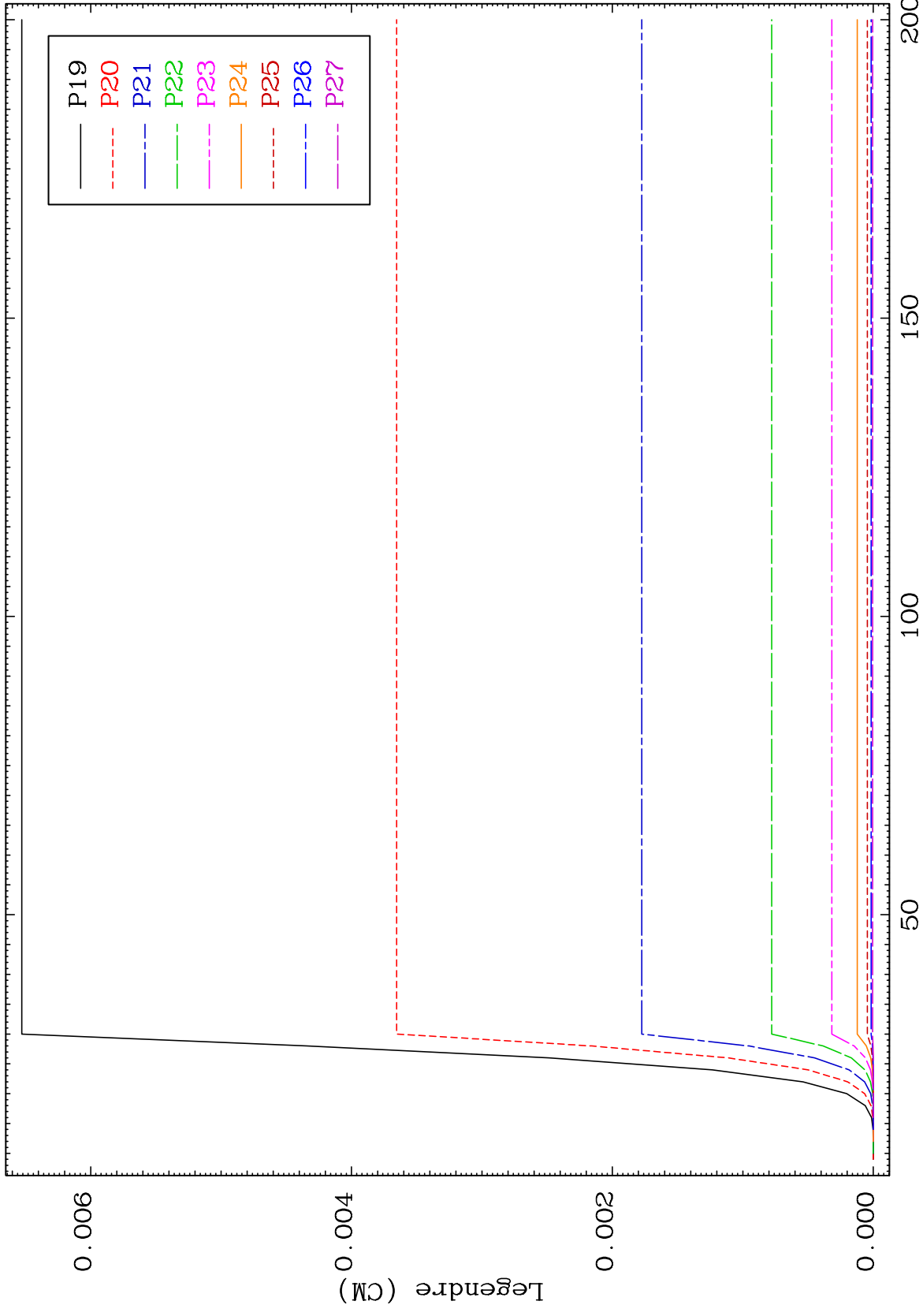
51-Sb-133



MAT 5161

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

51-Sb-133



72

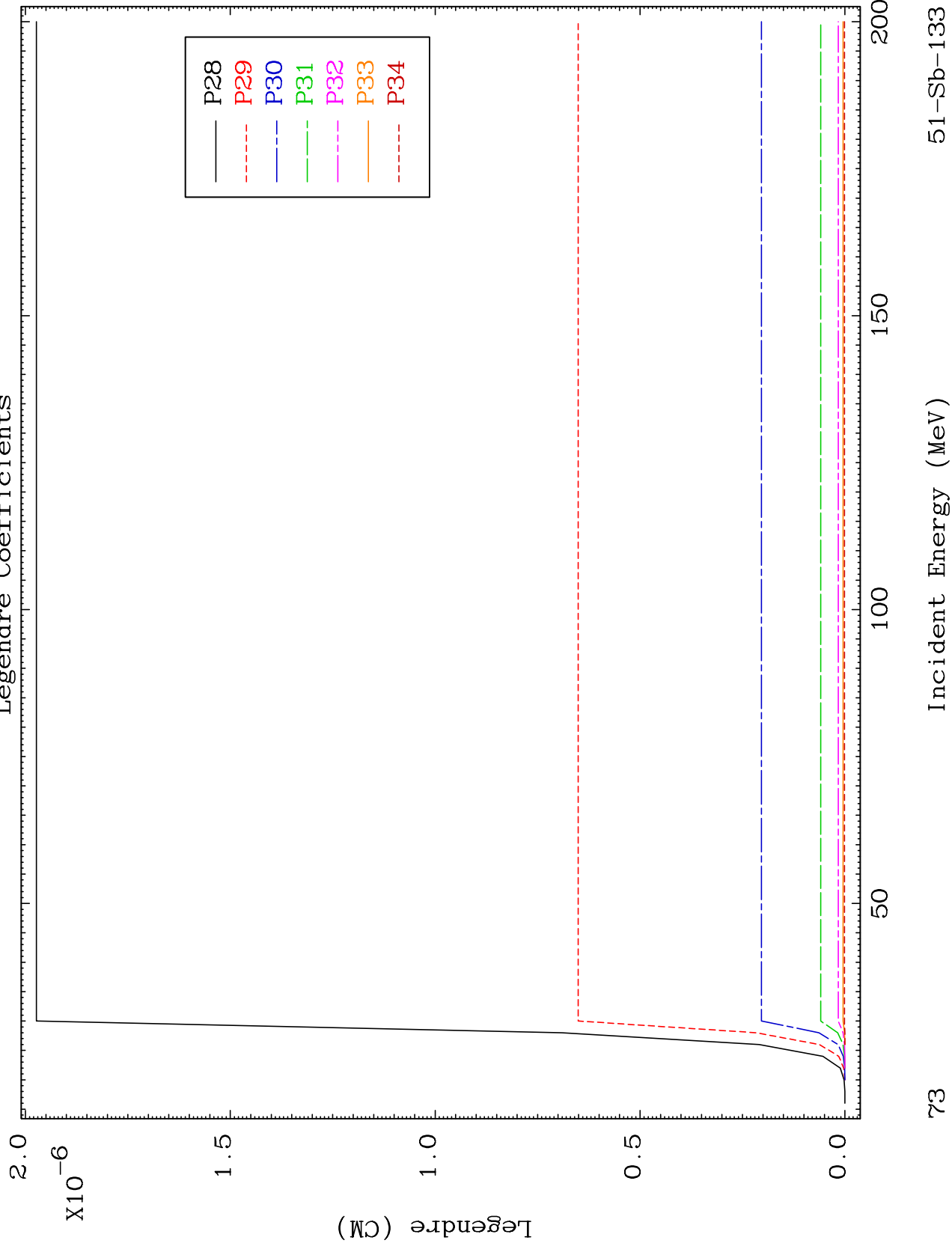
Incident Energy (MeV)

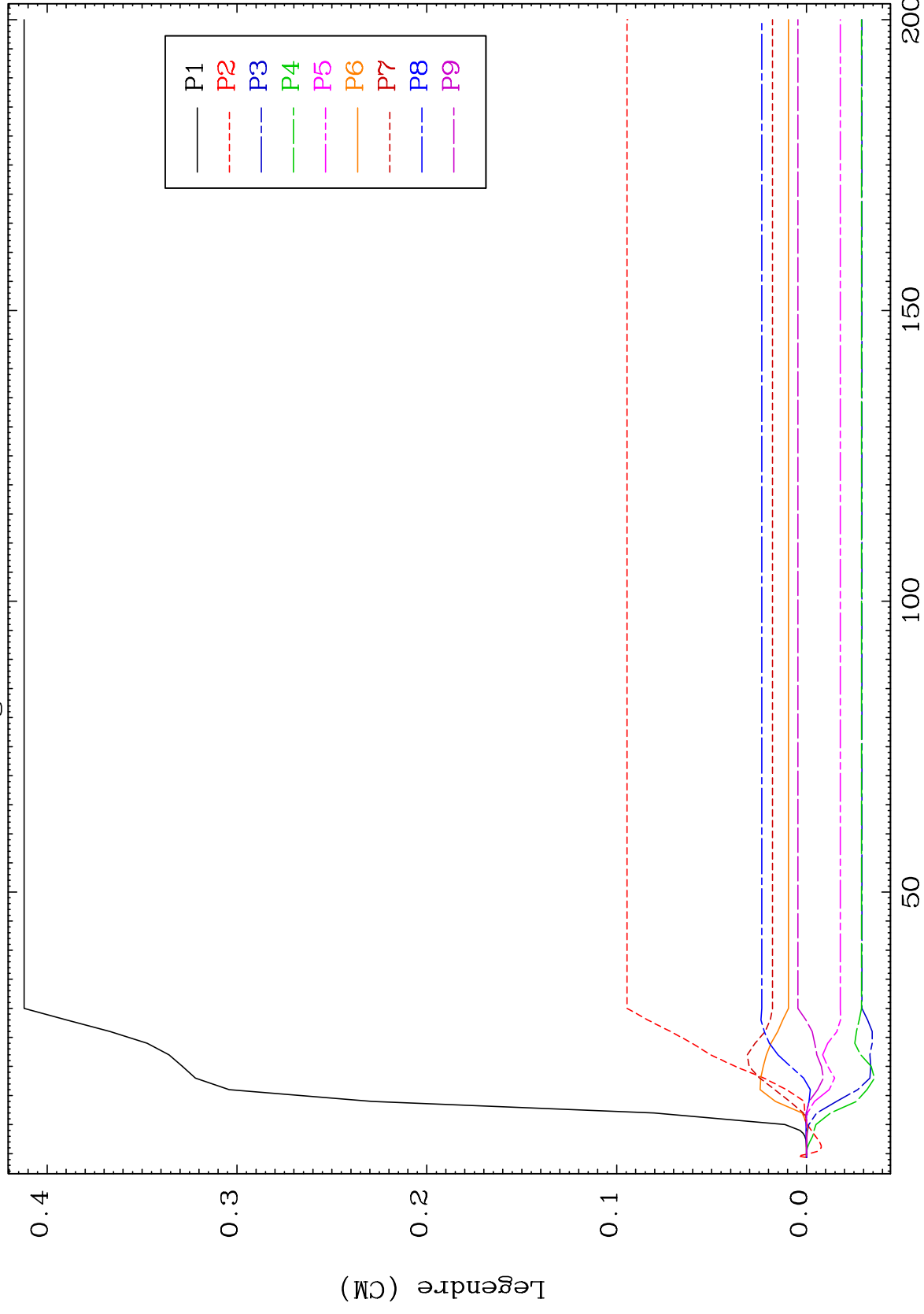
51-Sb-133

MAT 5161

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

51-Sb-133

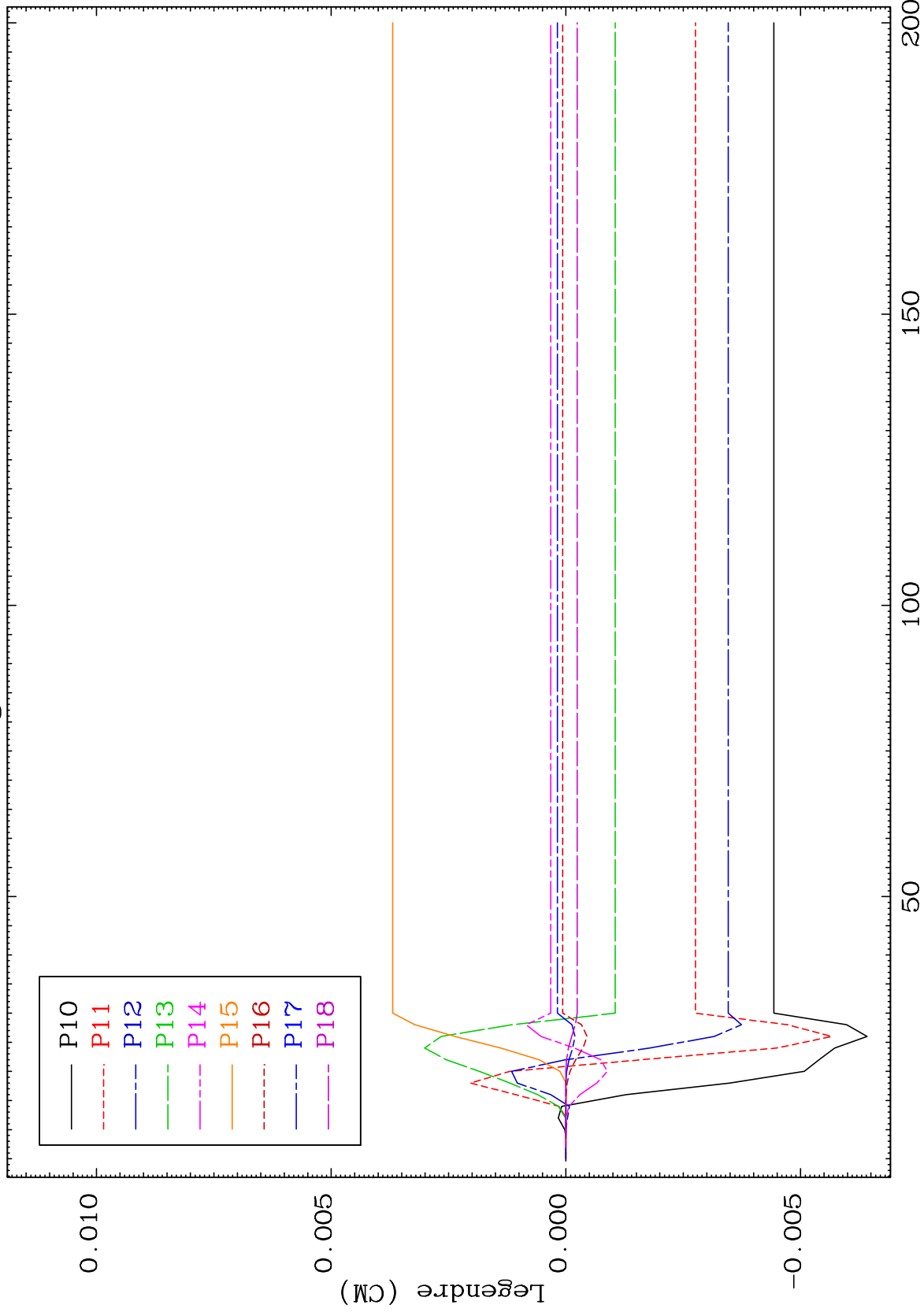




MAT 5161

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

51-Sb-133



75

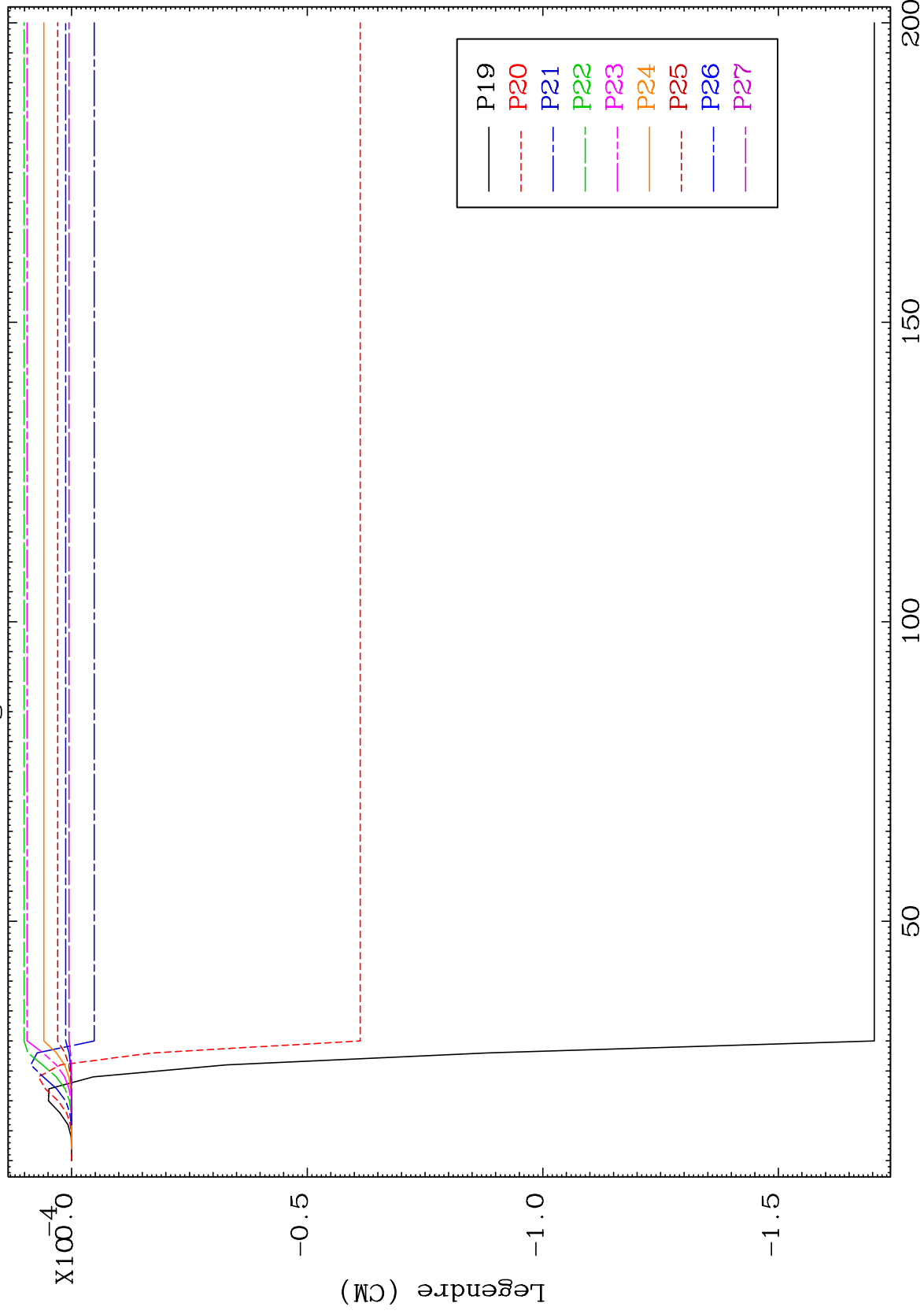
Incident Energy (MeV)

51-Sb-133

MAT 5161

51-Sb-133

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



76

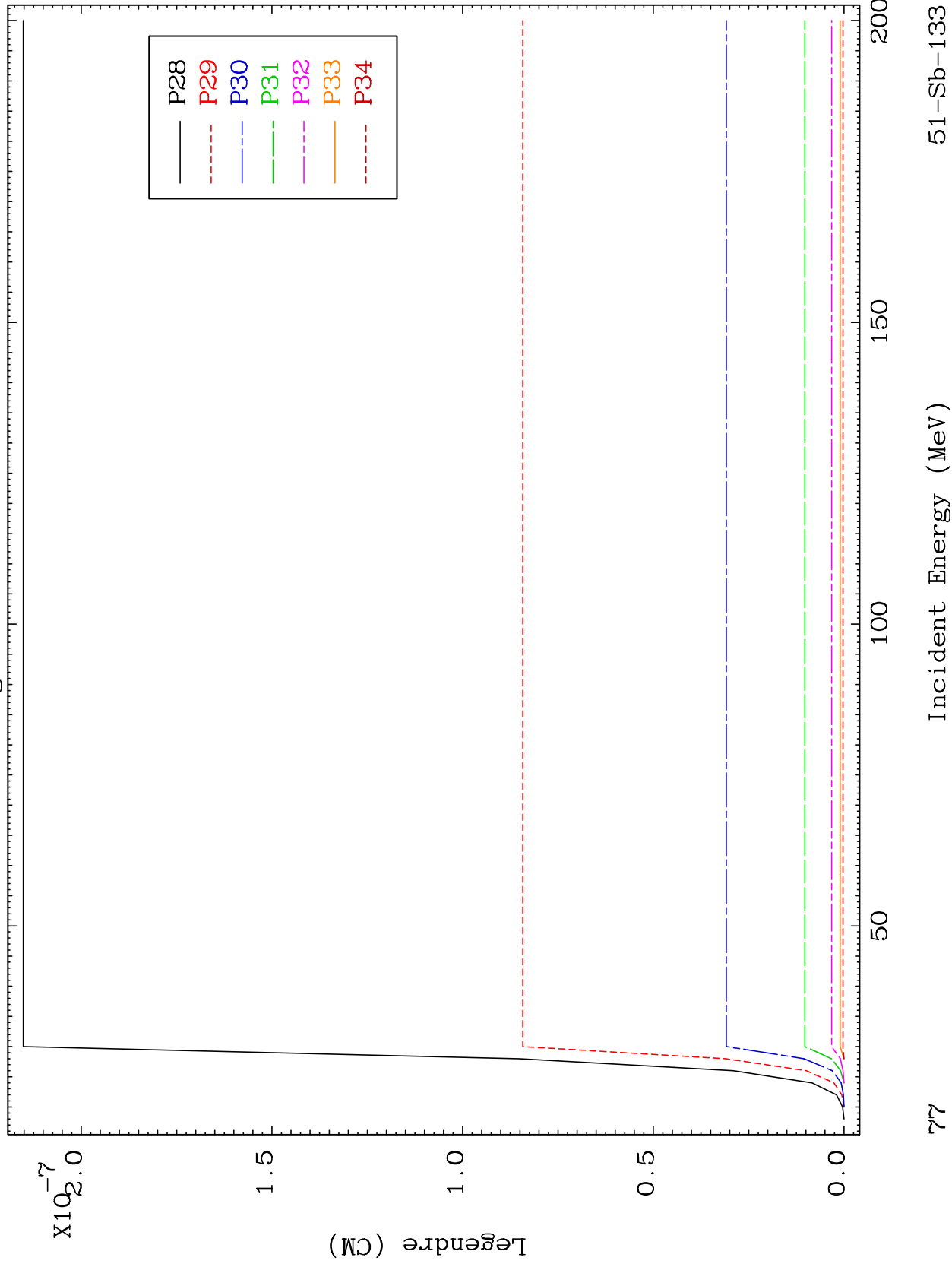
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

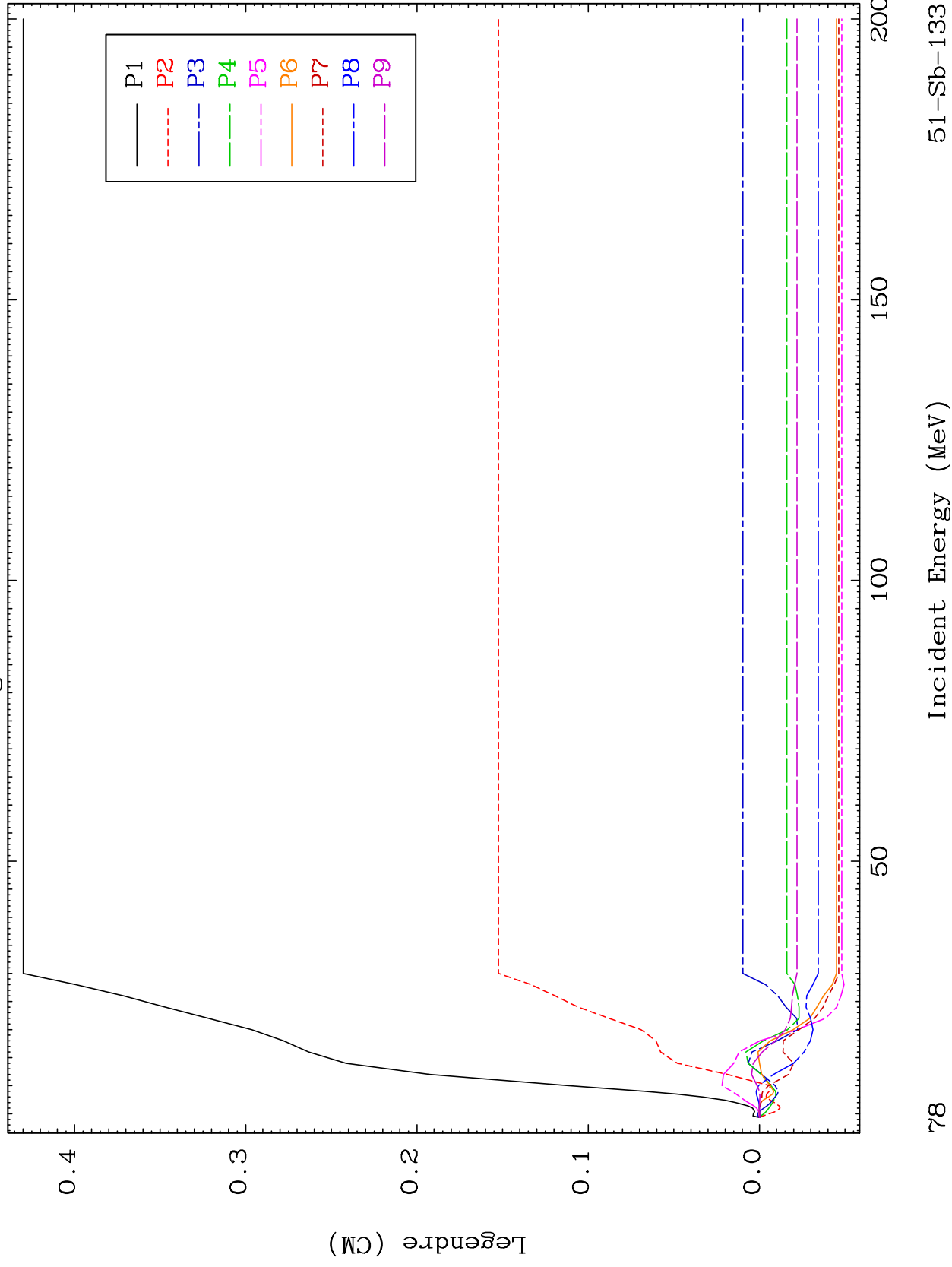
51-Sb-133



77

Incident Energy (MeV)

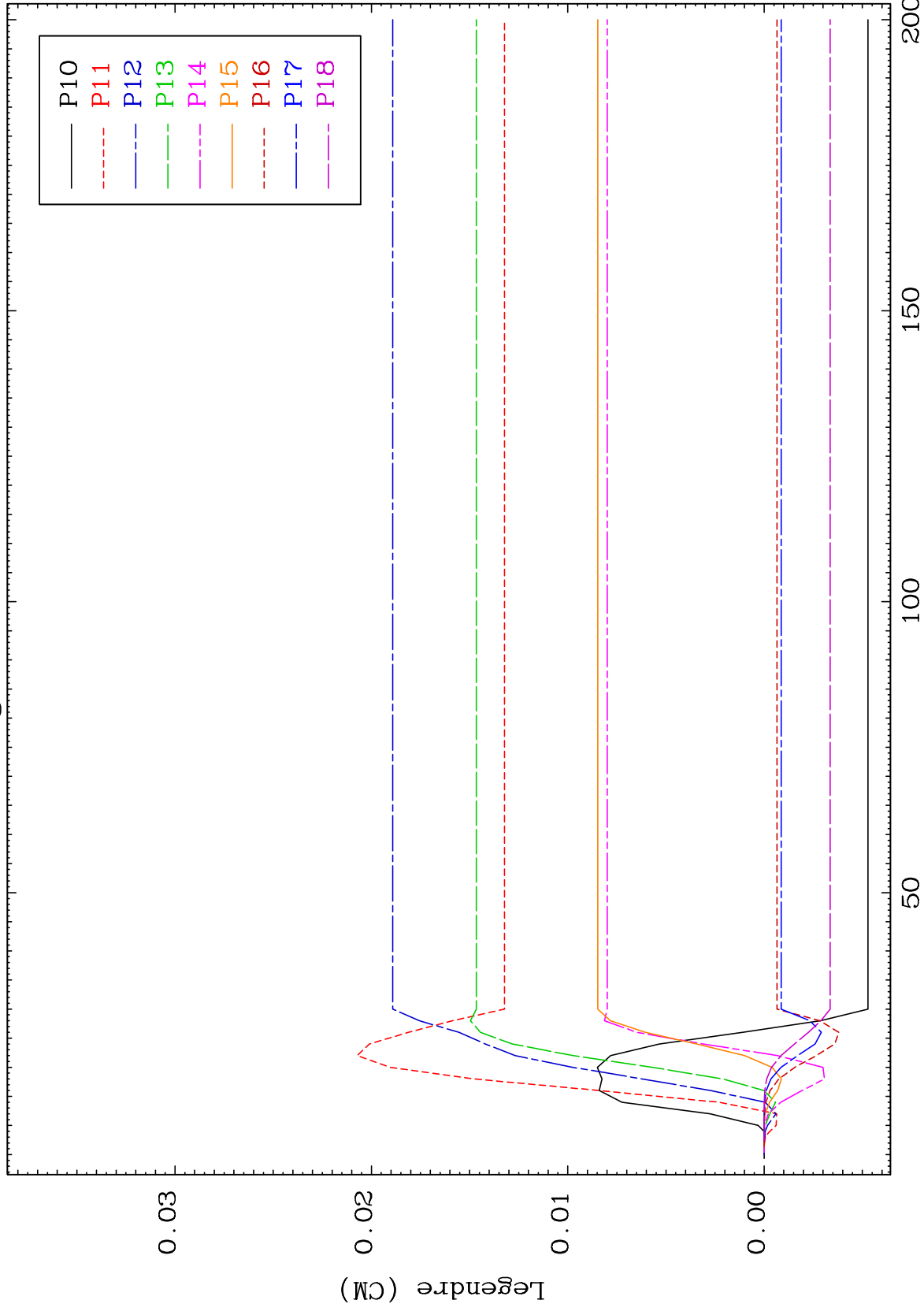
51-Sb-133



MAT 5161

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

51-Sb-133



79

Incident Energy (MeV)

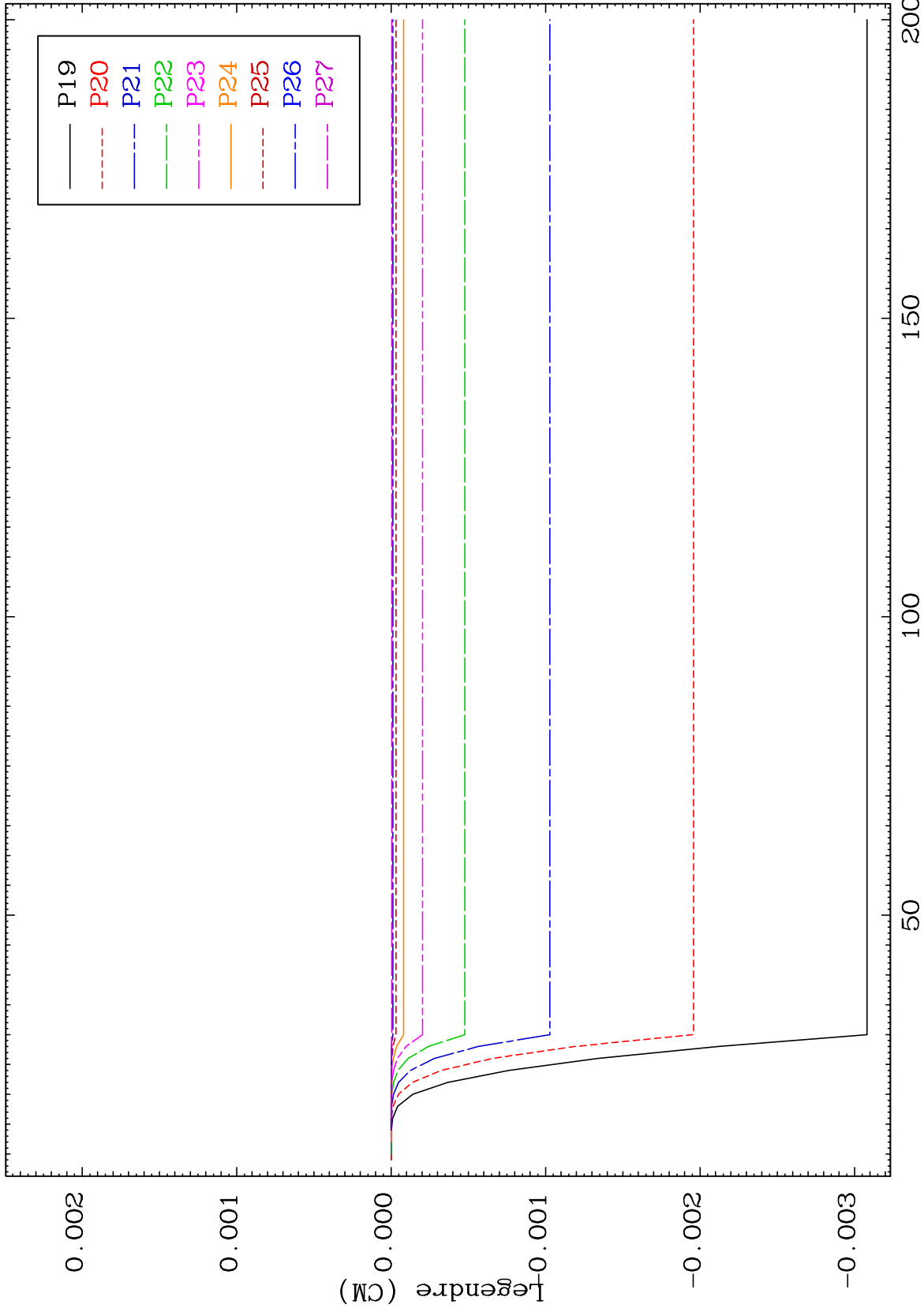
51-Sb-133



MAT 5161

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

51-Sb-133

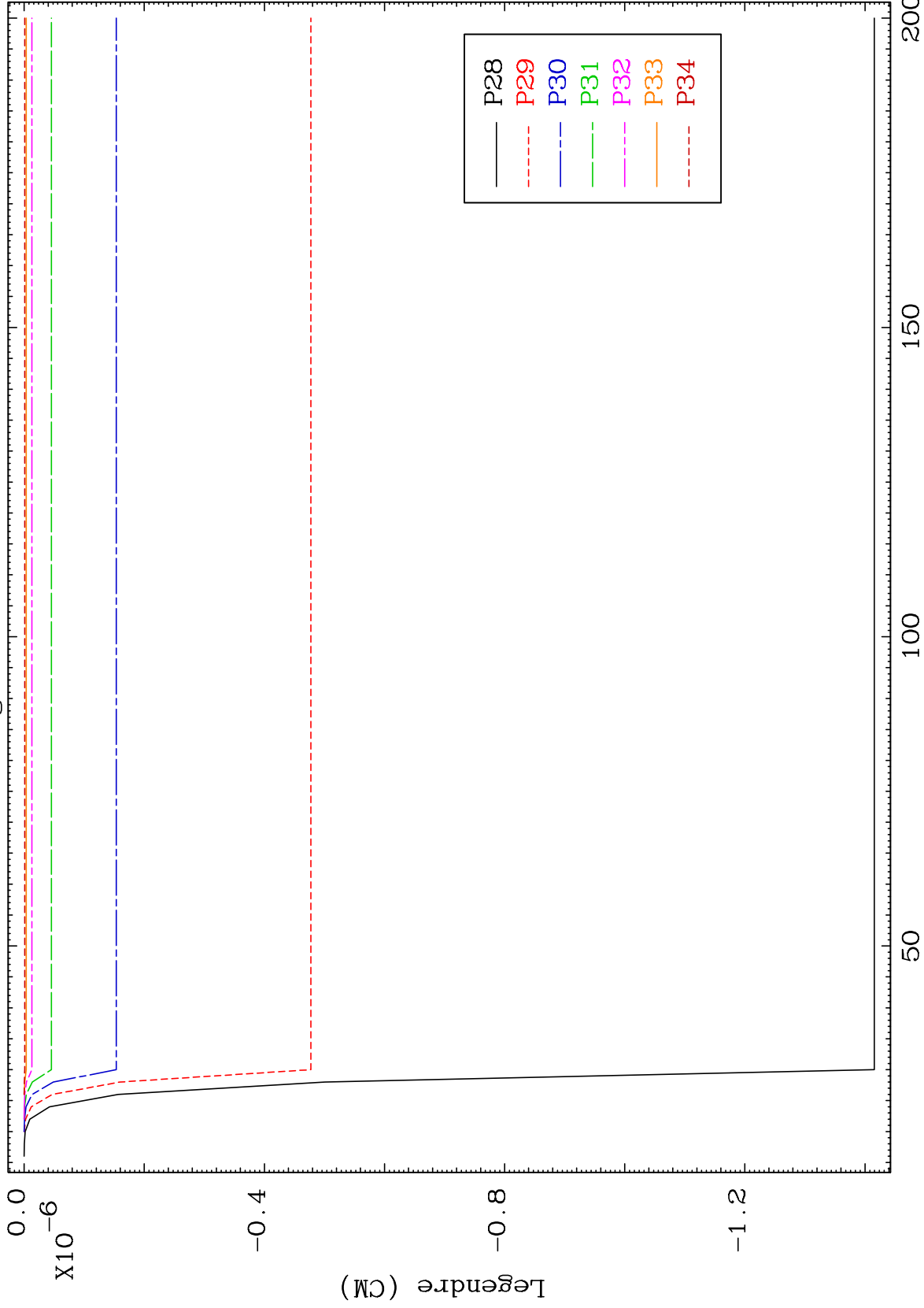


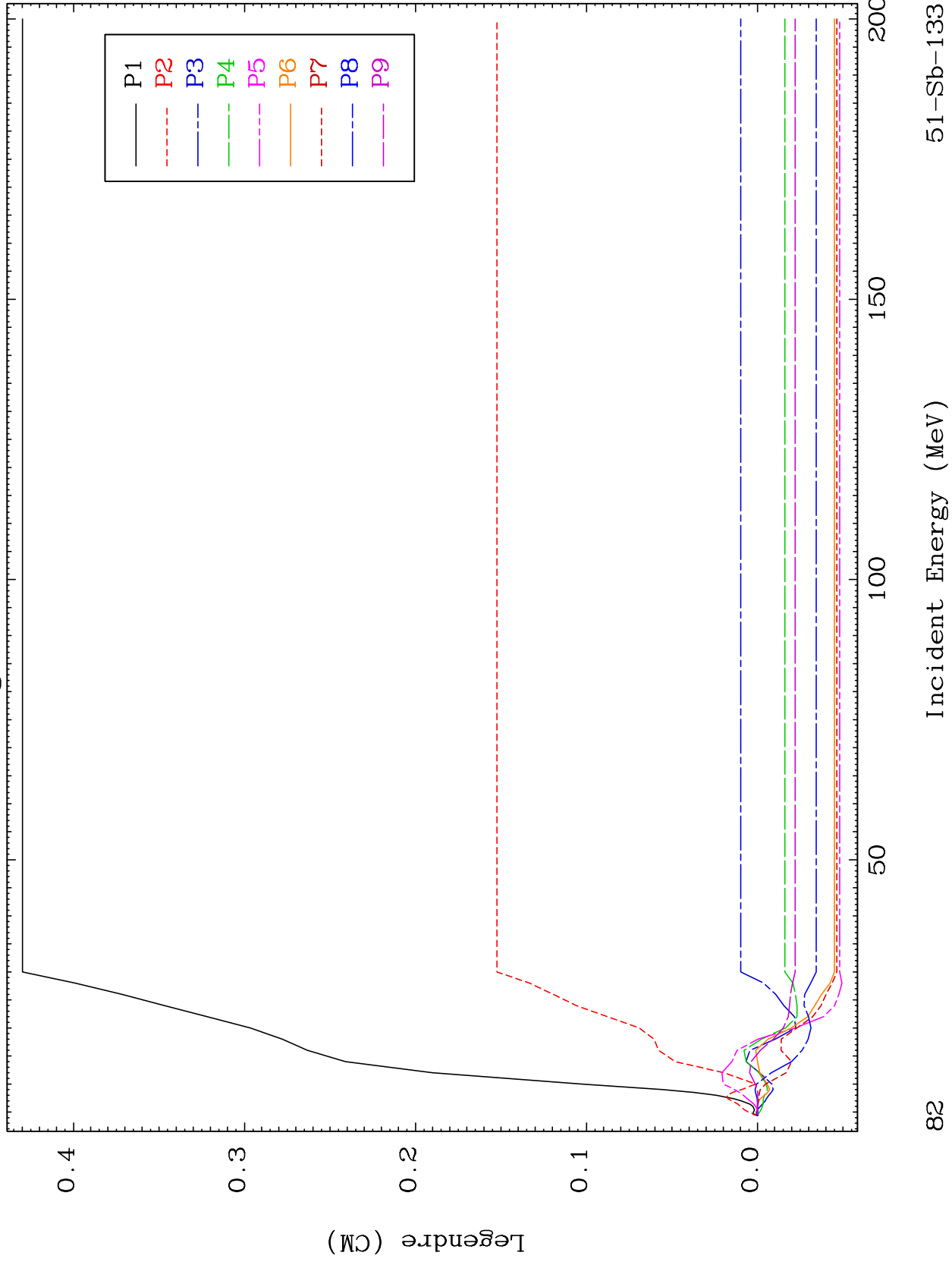
80

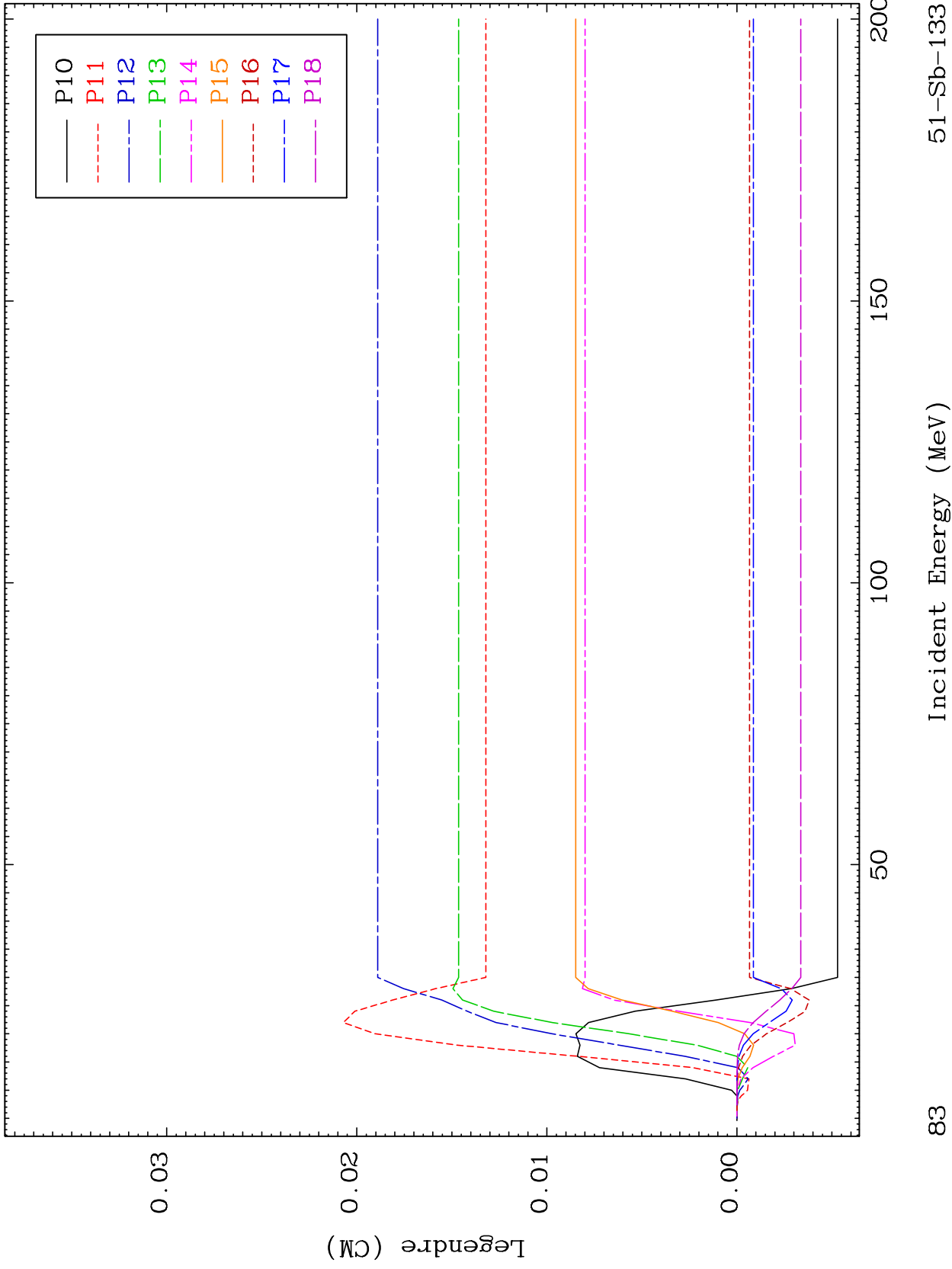
Incident Energy (MeV)

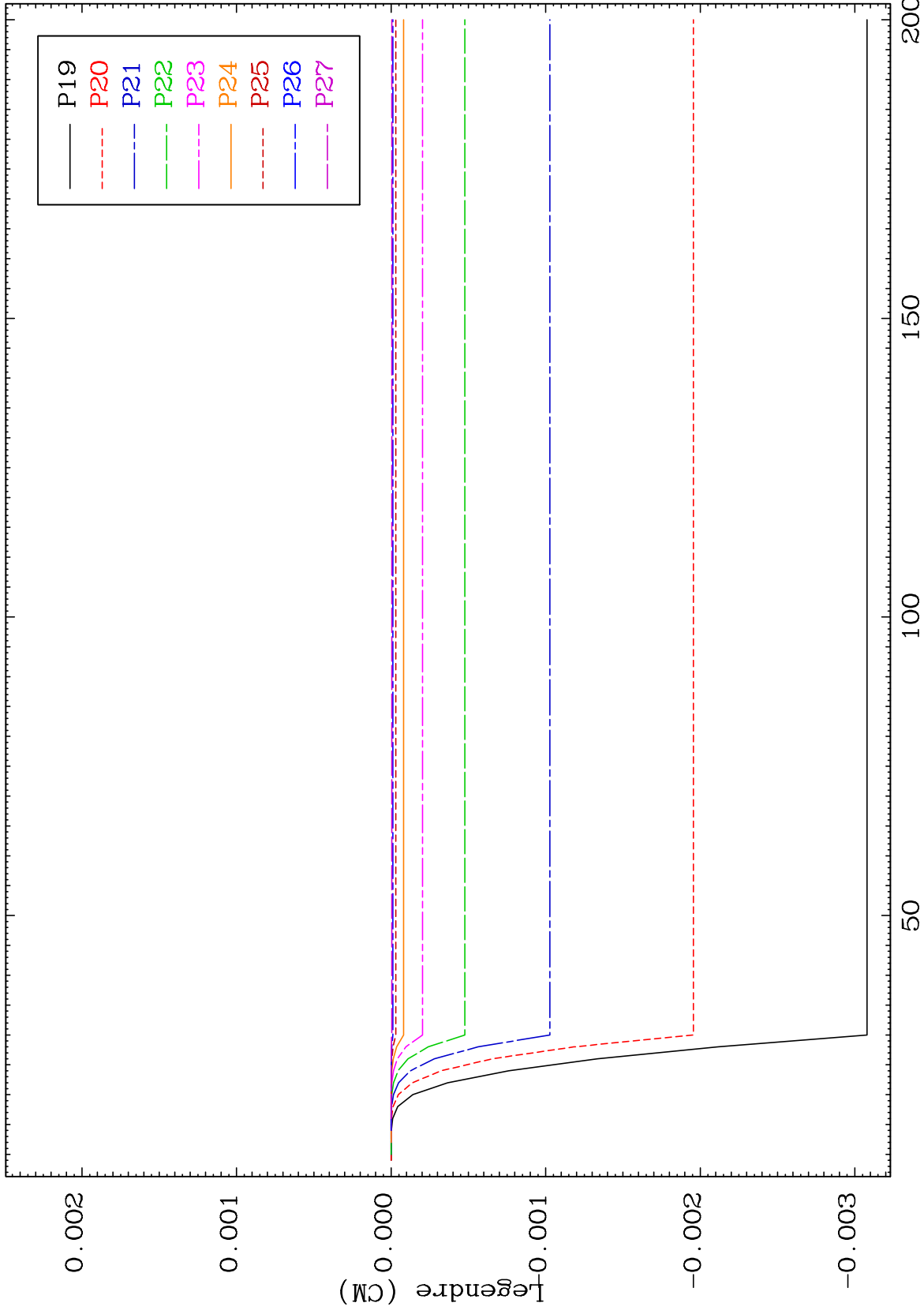
51-Sb-133

Legendre Coefficients







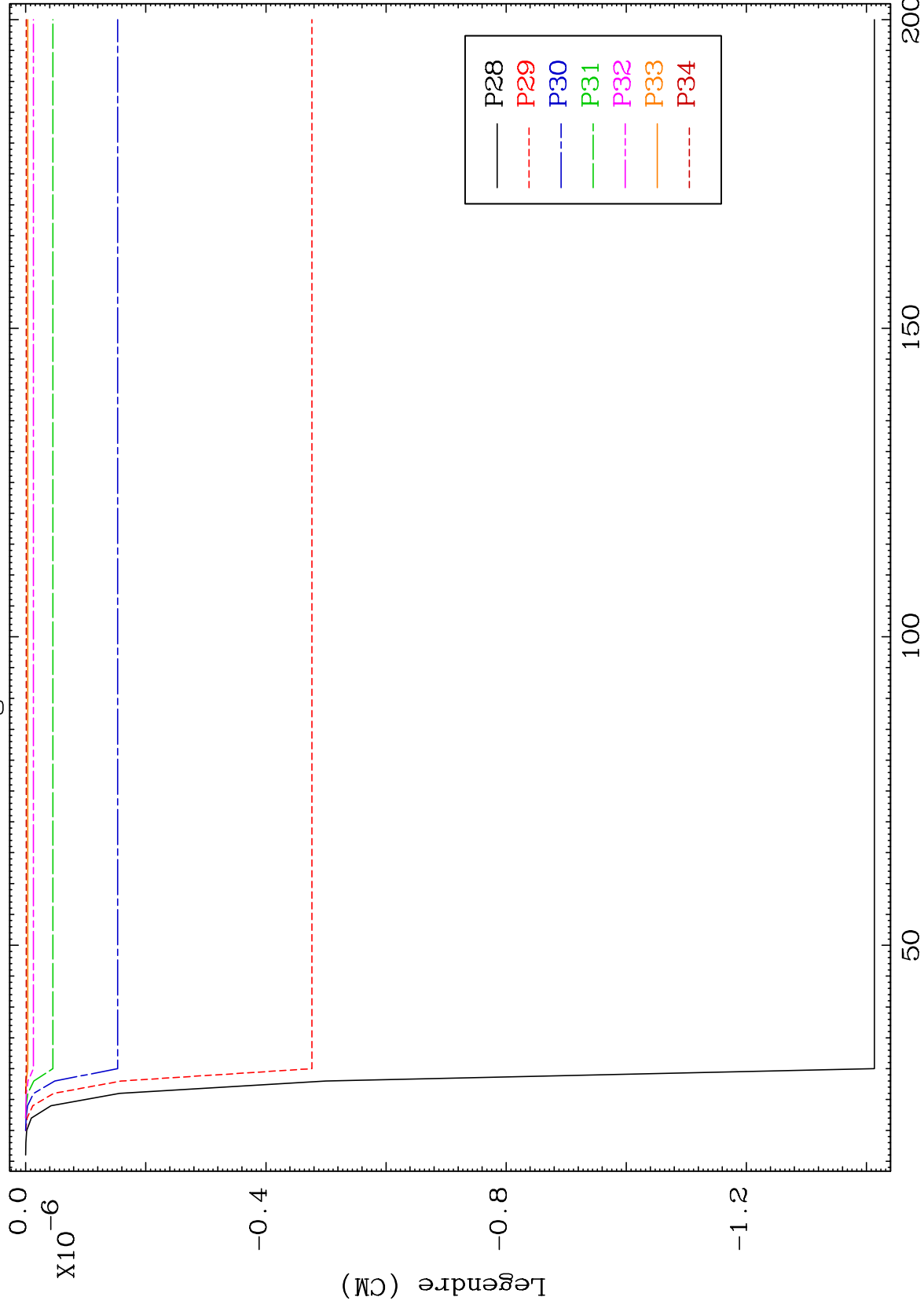


MAT 5161

MT= 67 (n,n') Level

51-Sb-133

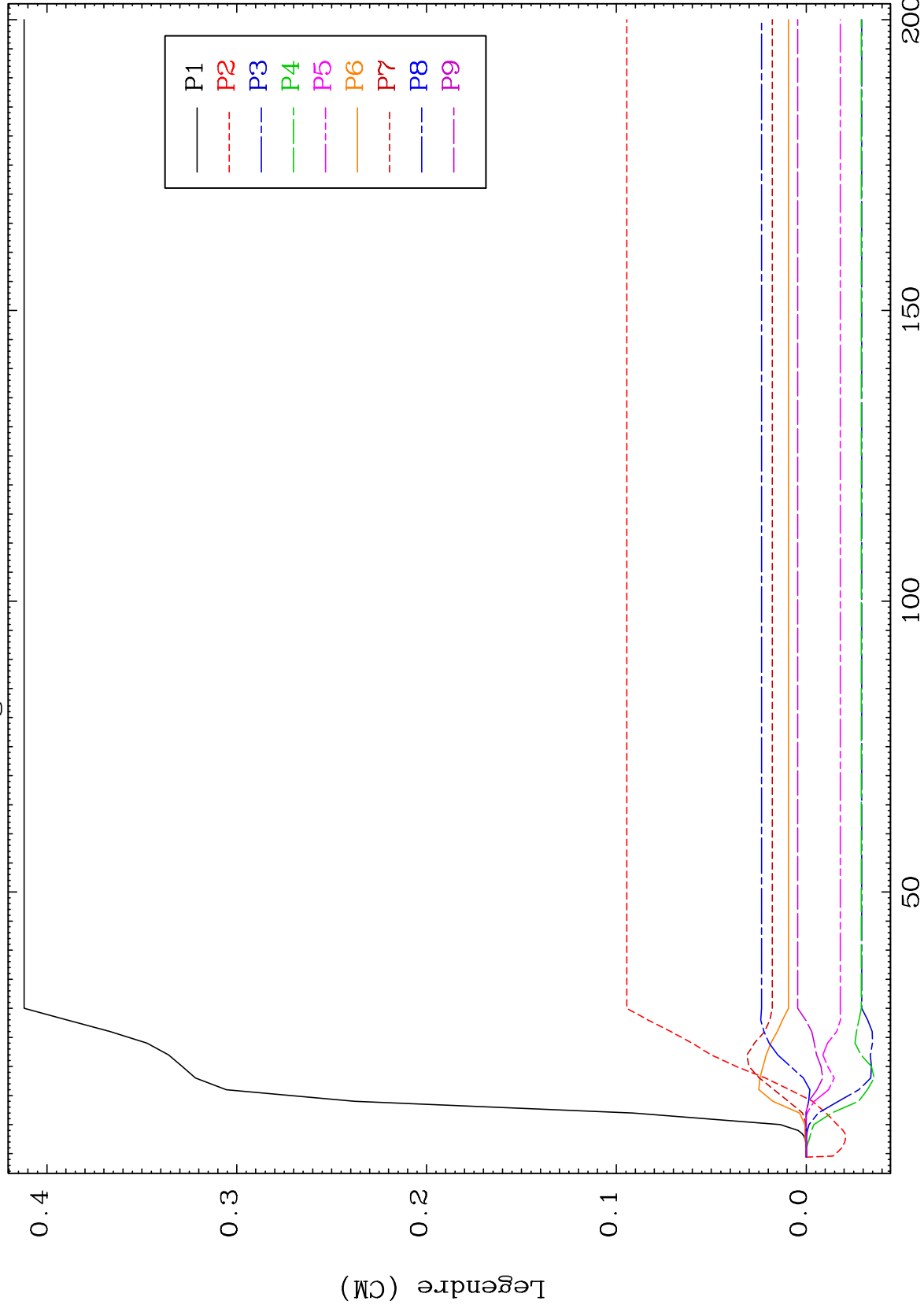
Legendre Coefficients



85

Incident Energy (MeV)

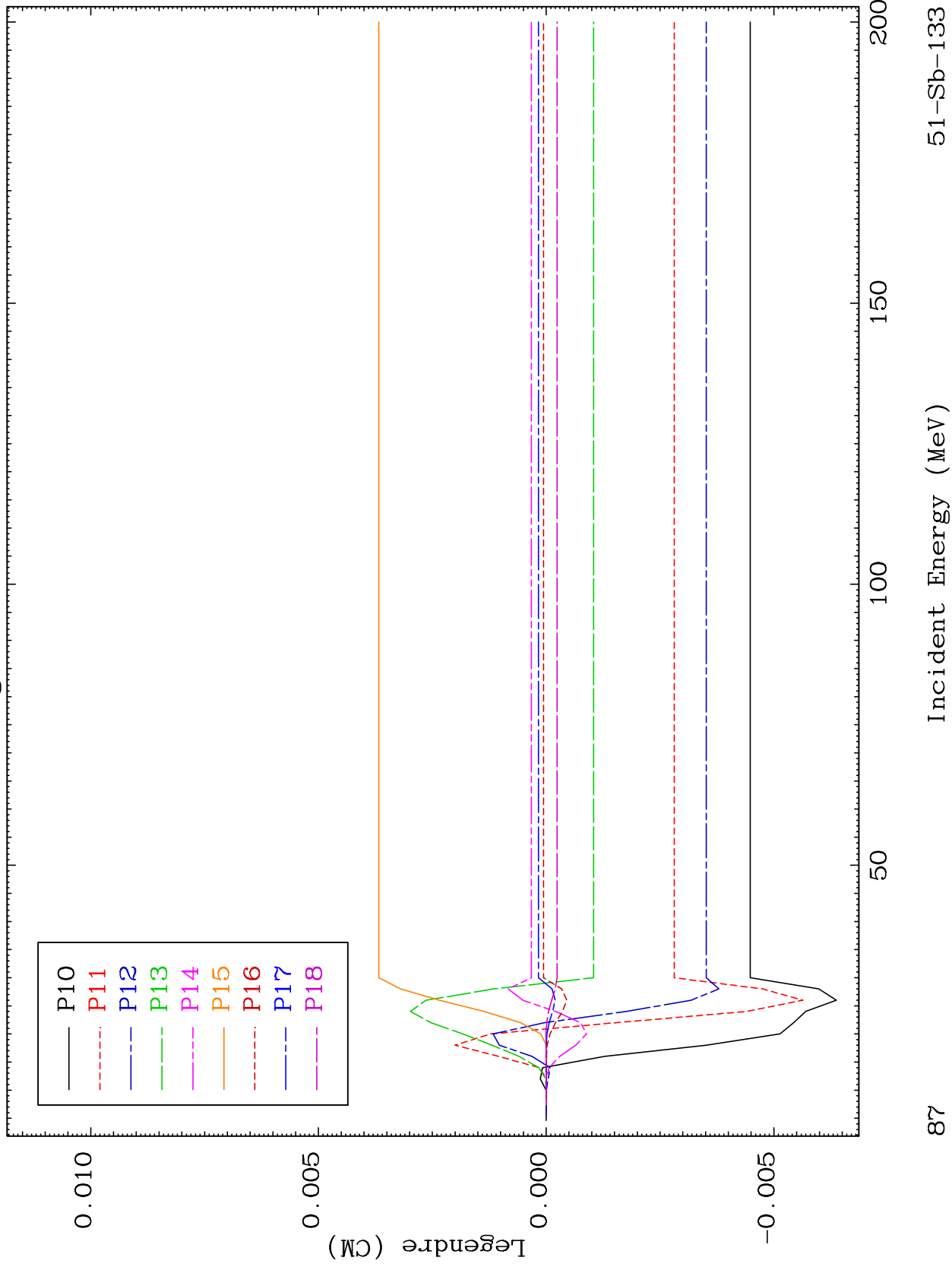
51-Sb-133



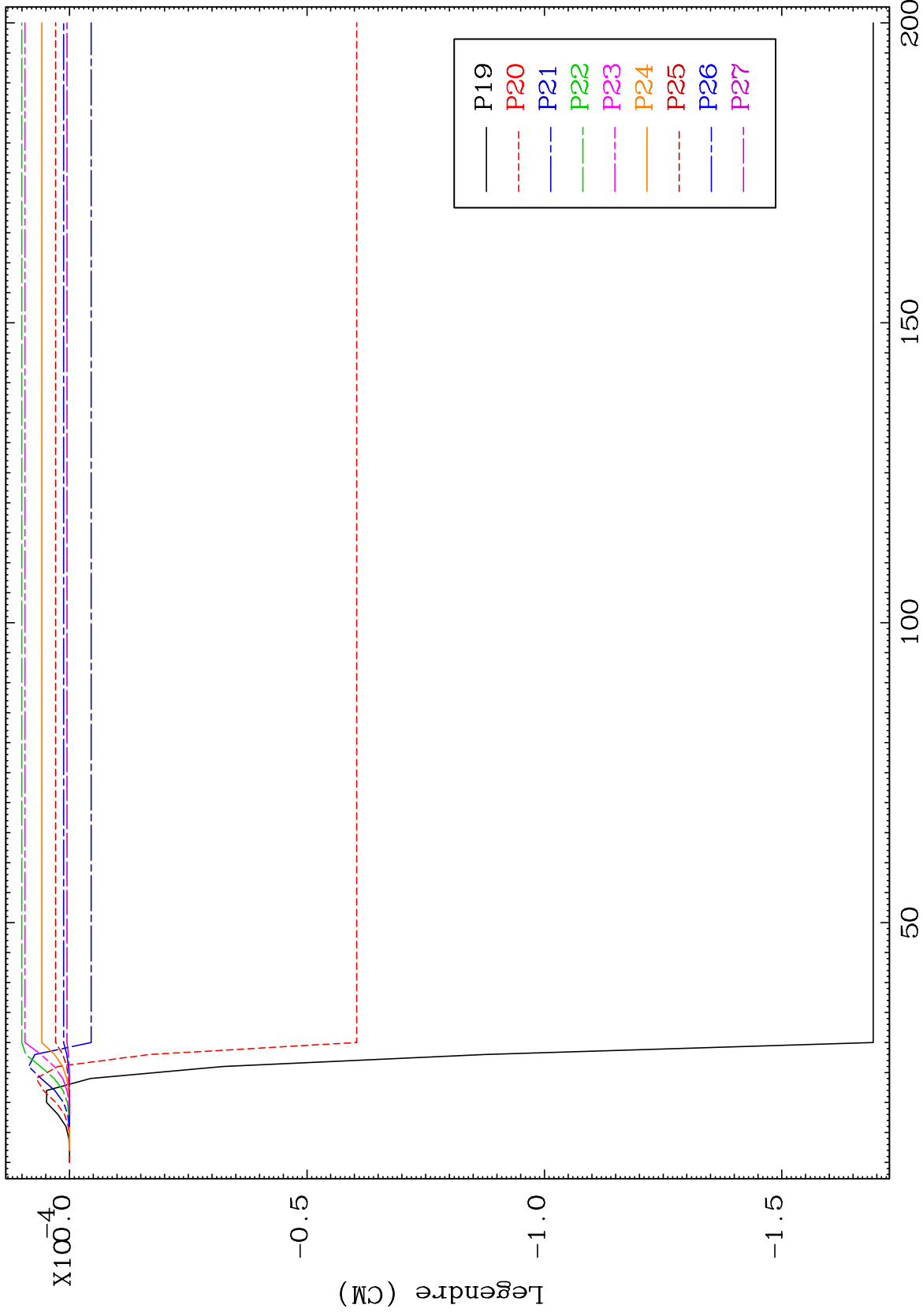
MAT 5161

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

51-Sb-133



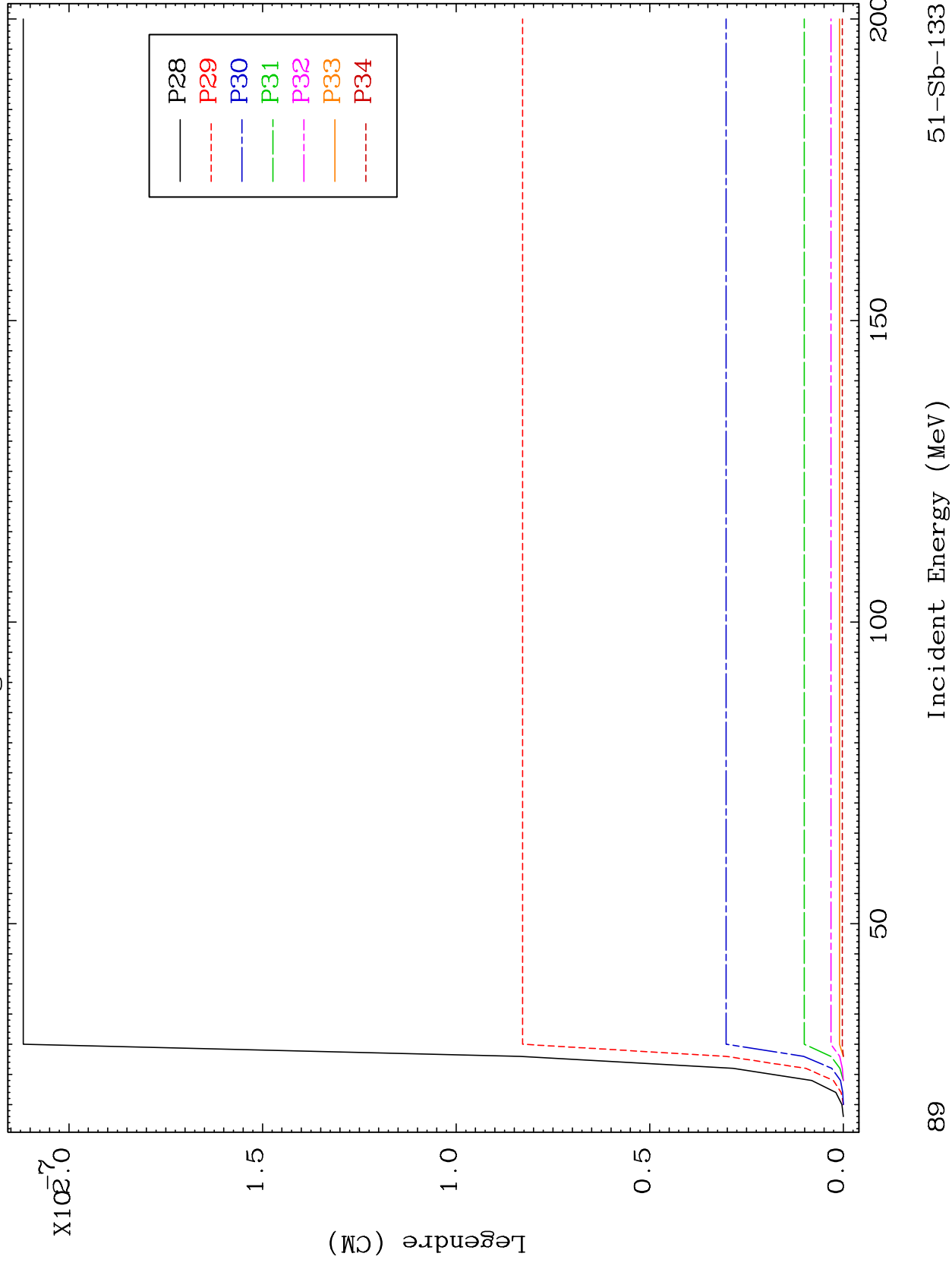




MAT 5161

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

51-Sb-133



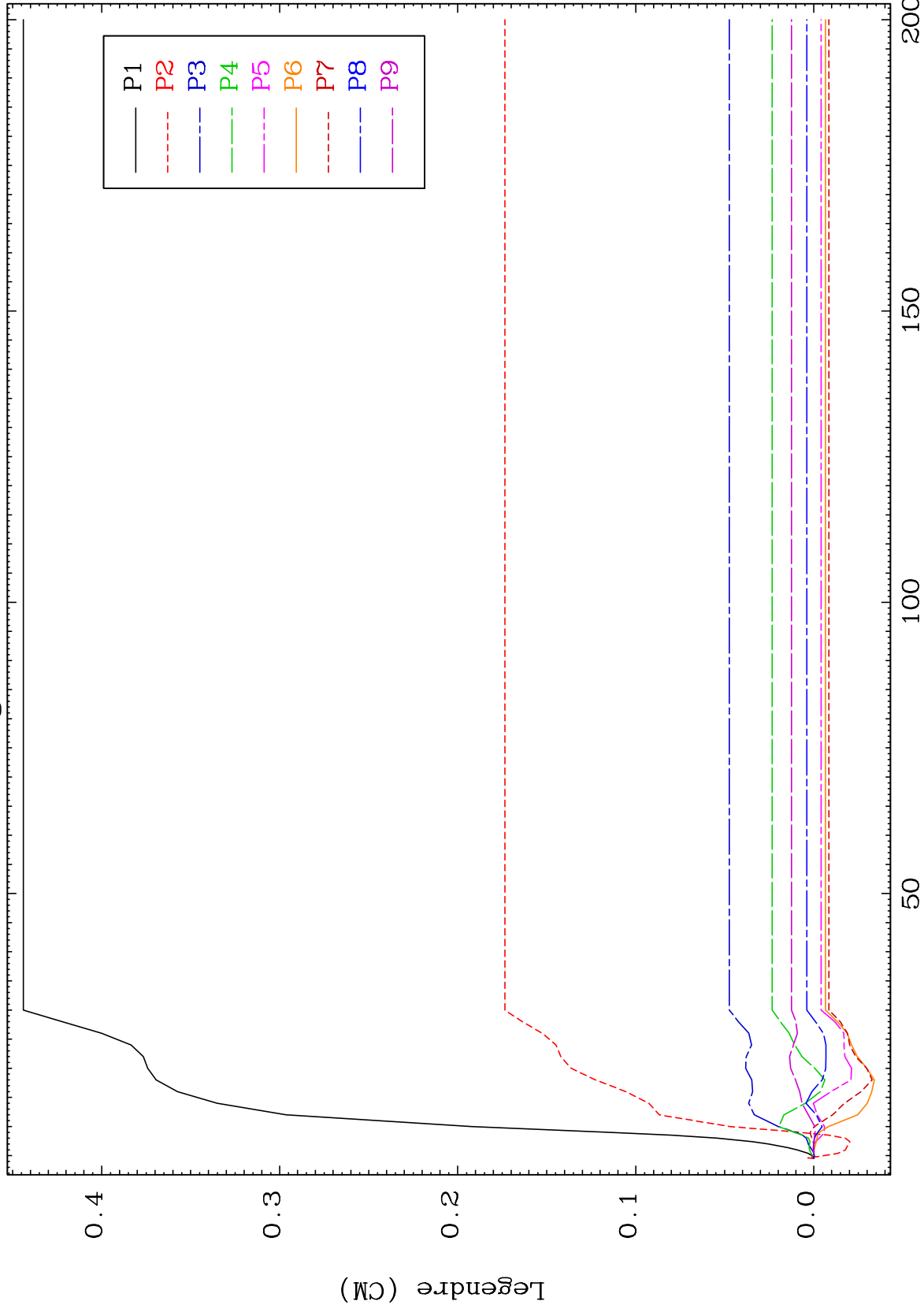
89

51-Sb-133

MAT 5161

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

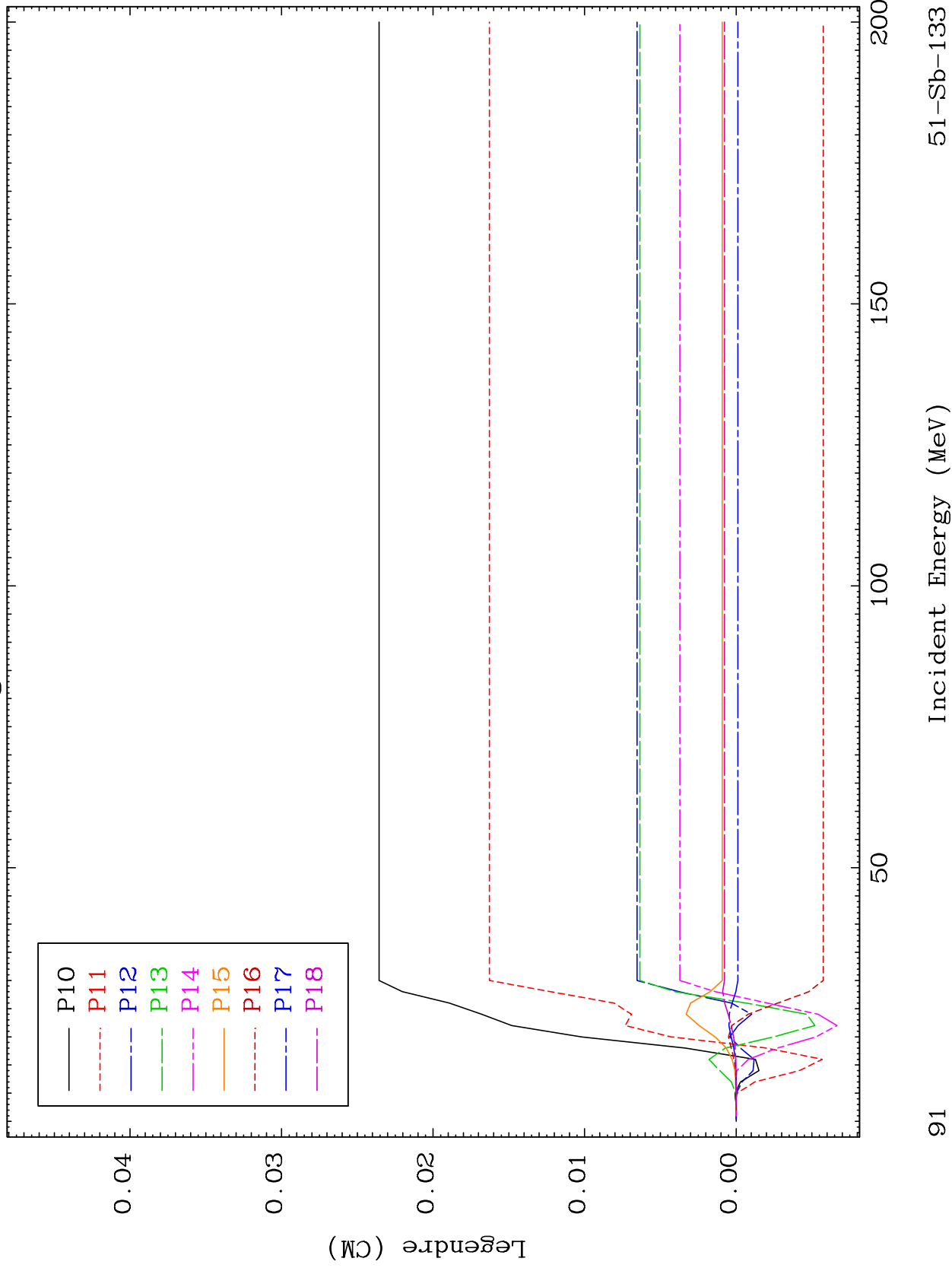
51-Sb-133

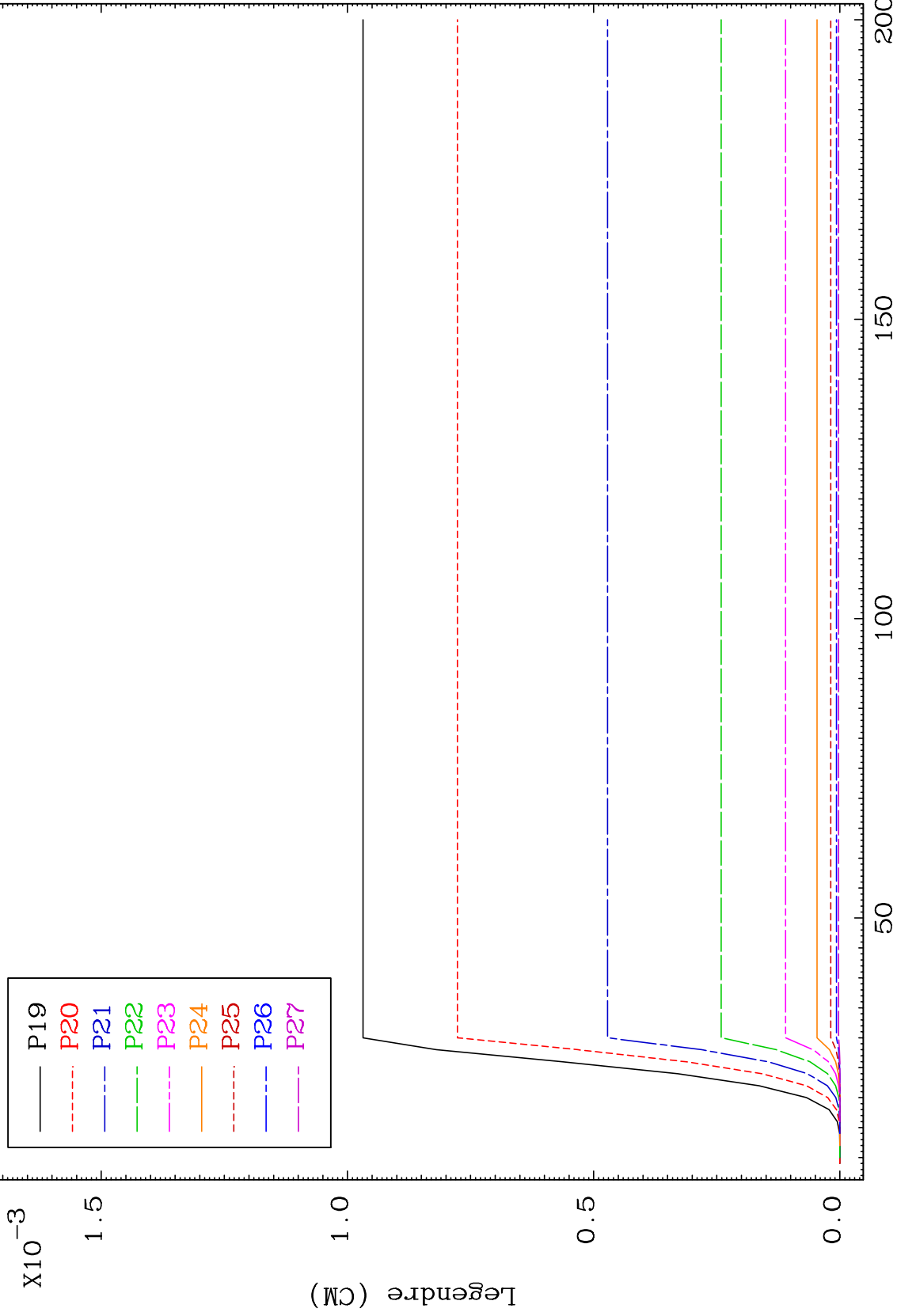
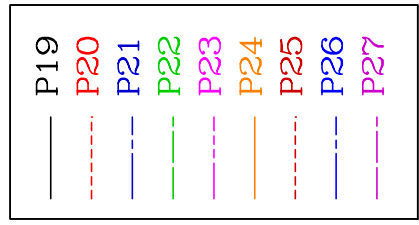


90

Incident Energy (MeV)

51-Sb-133

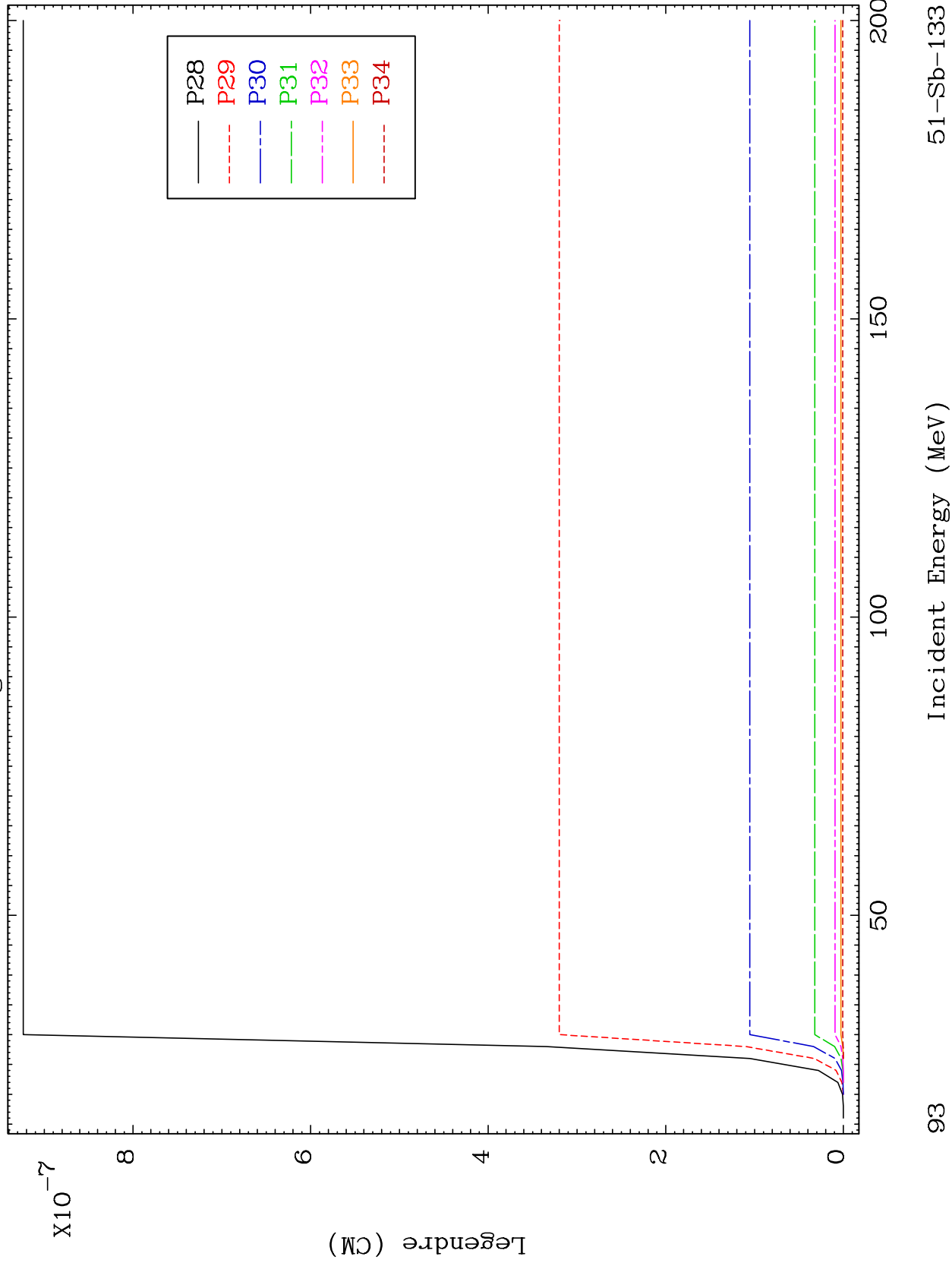




MAT 5161

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

51-Sb-133



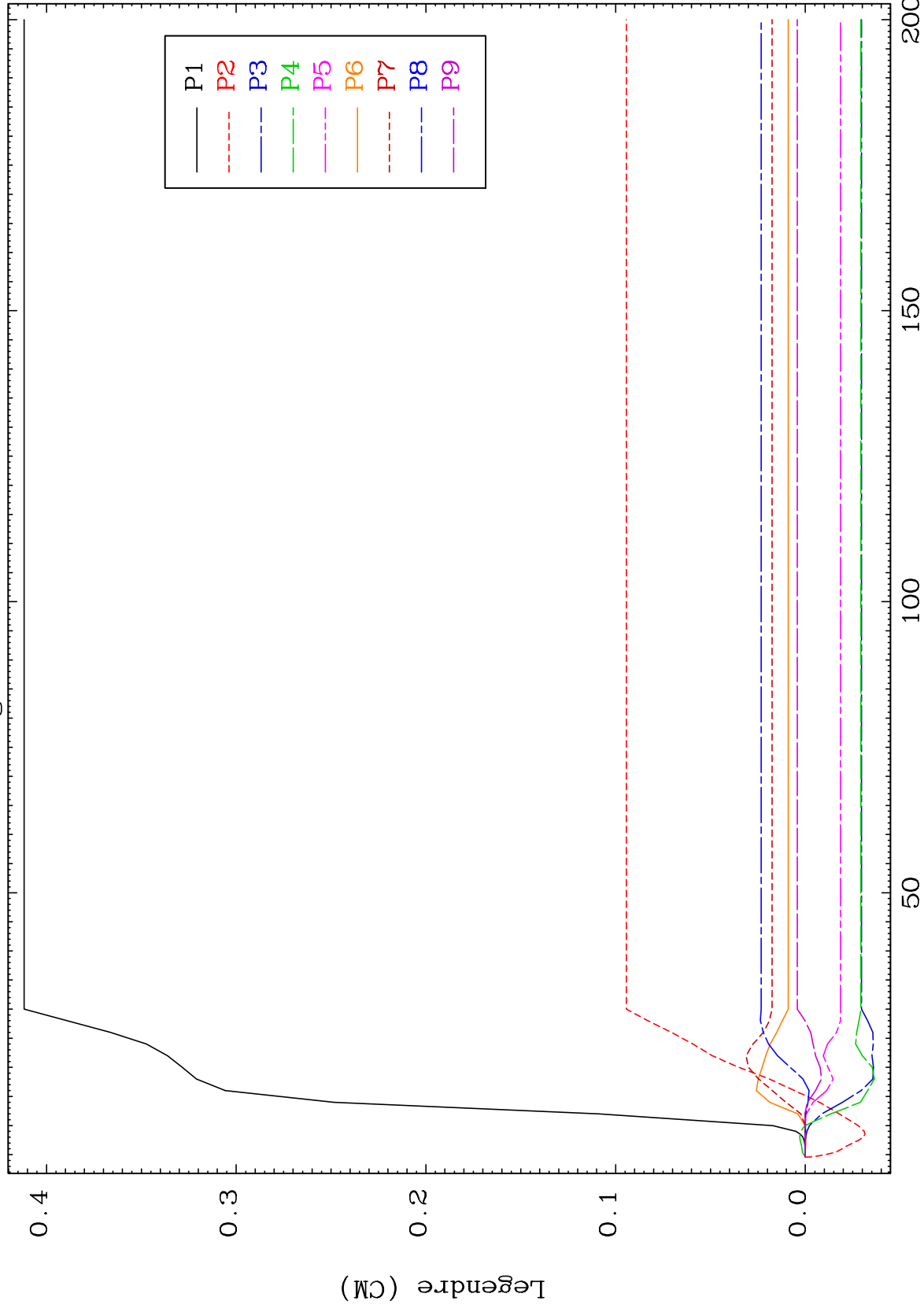
93

51-Sb-133

MAT 5161

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

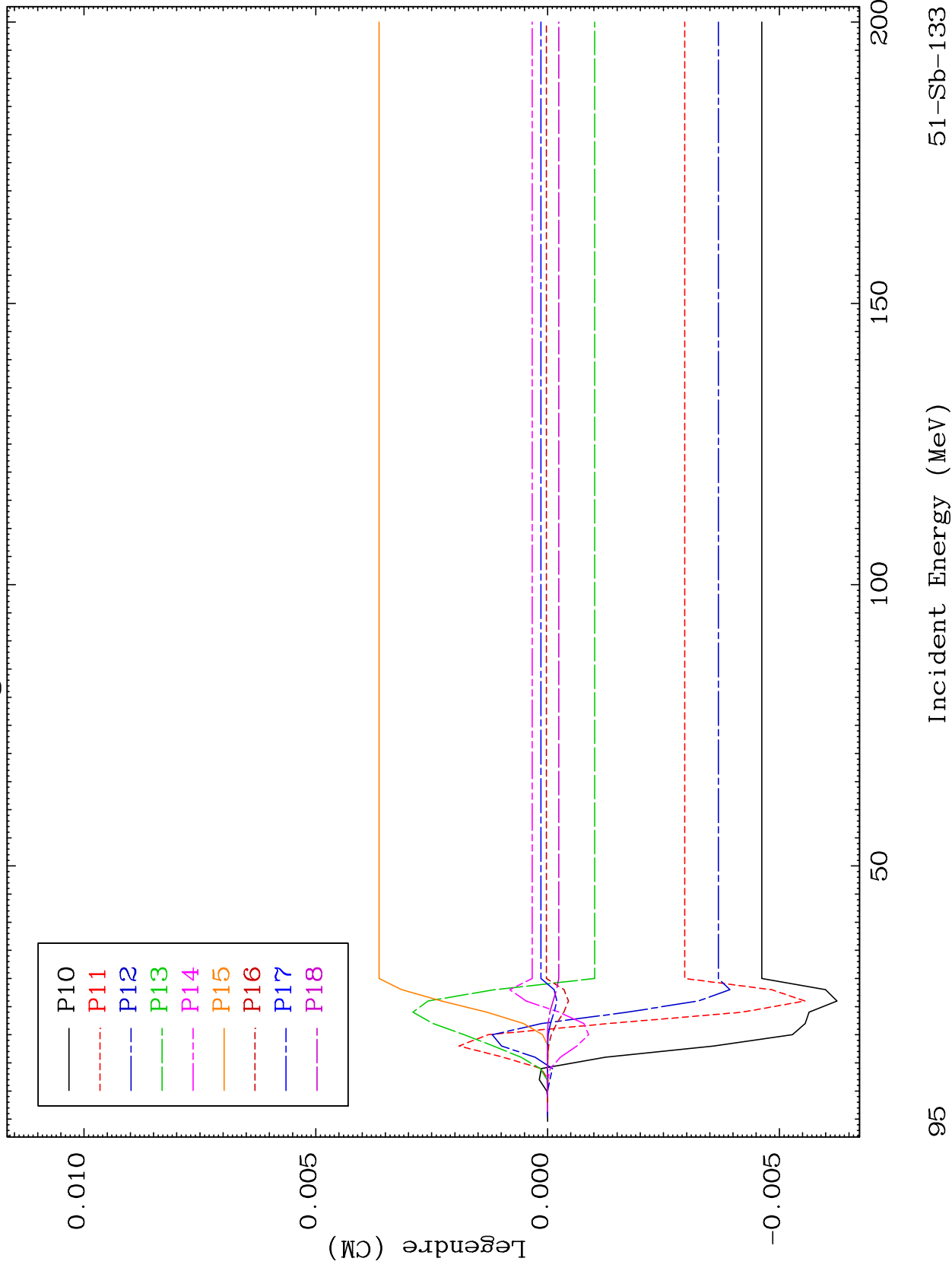
51-Sb-133



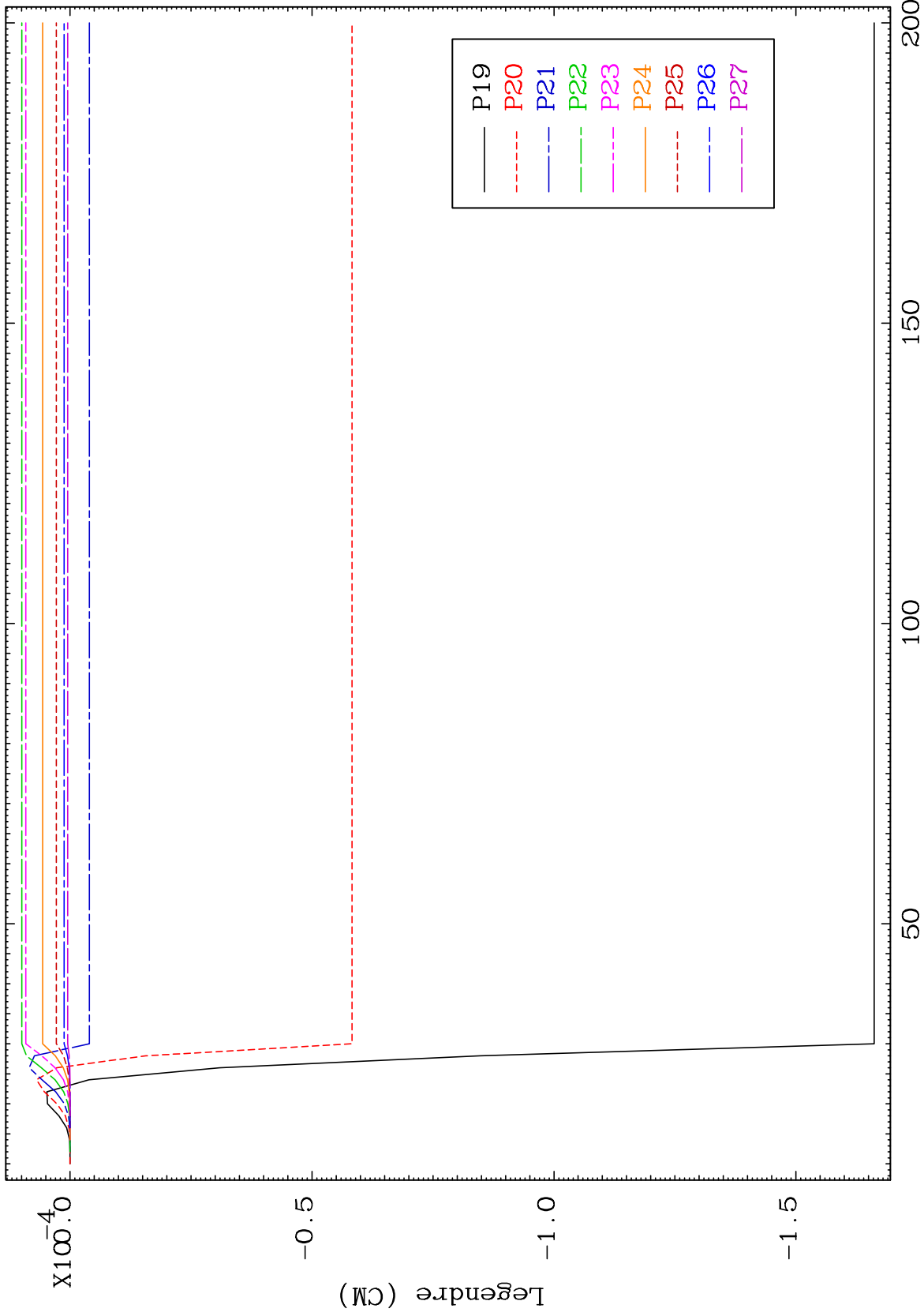
94

Incident Energy (MeV)

51-Sb-133



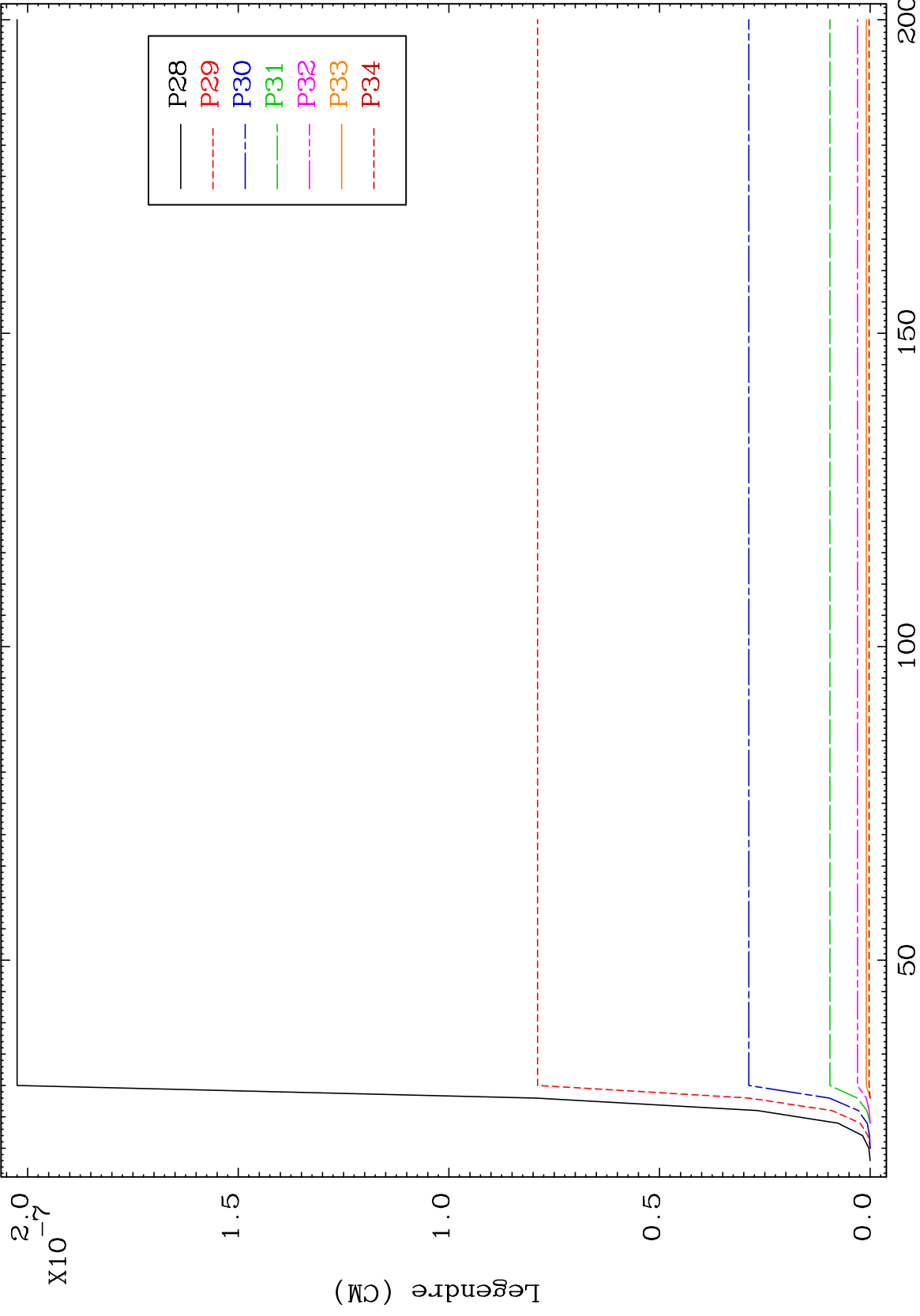




MAT 5161

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

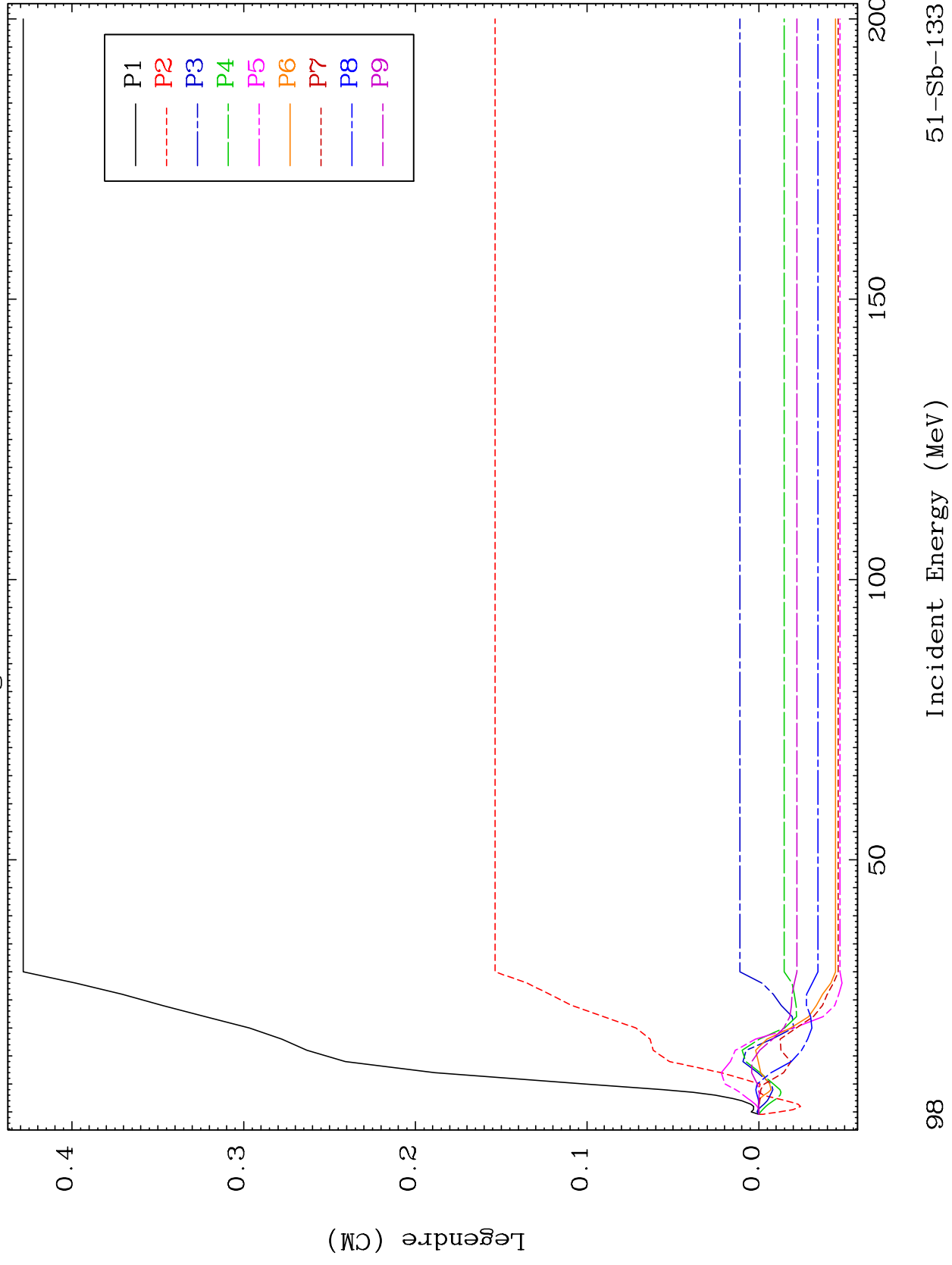
51-Sb-133

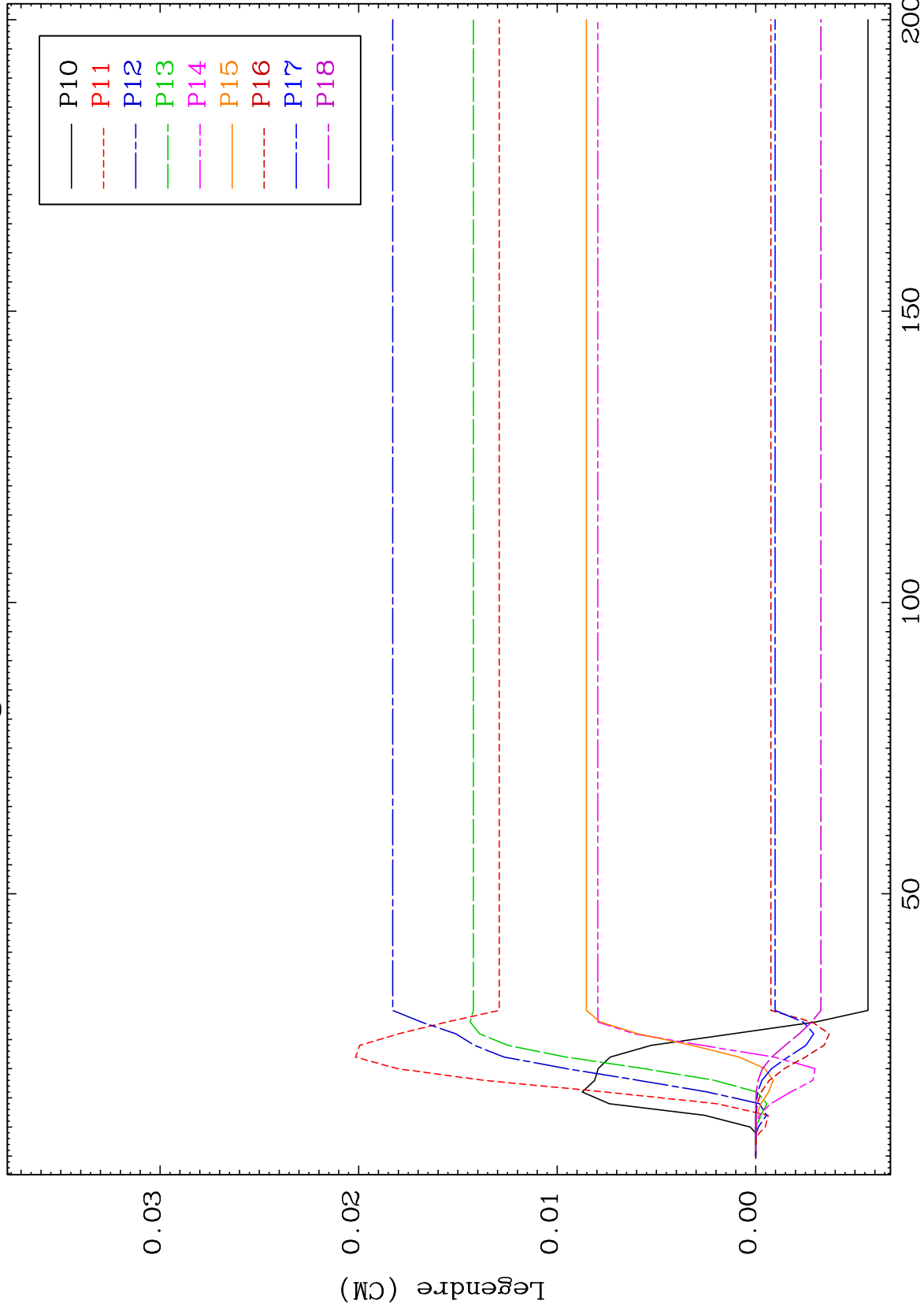


97

Incident Energy (MeV)

51-Sb-133

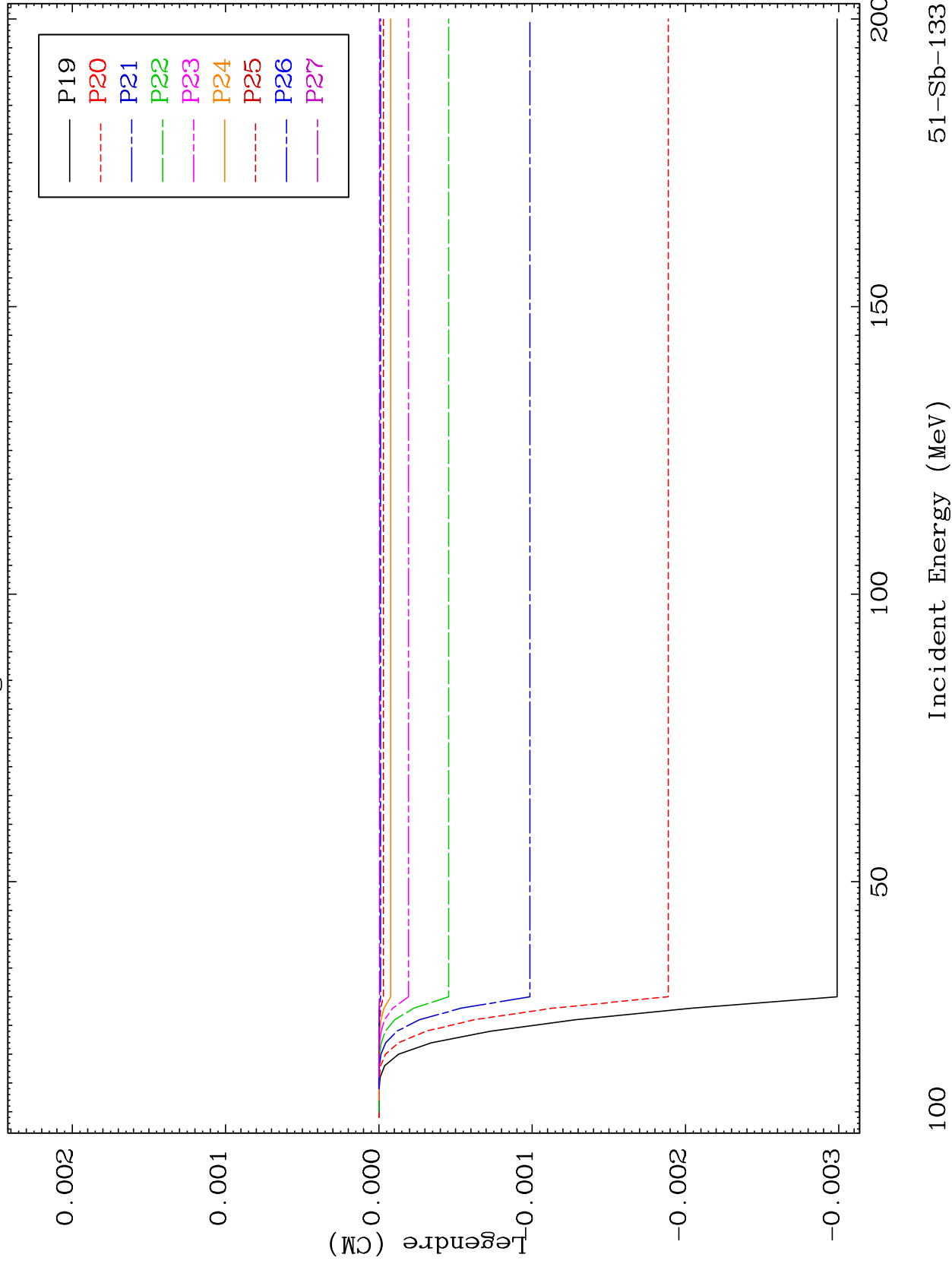




MAT 5161

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

51-Sb-133



51-Sb-133

Incident Energy (MeV)

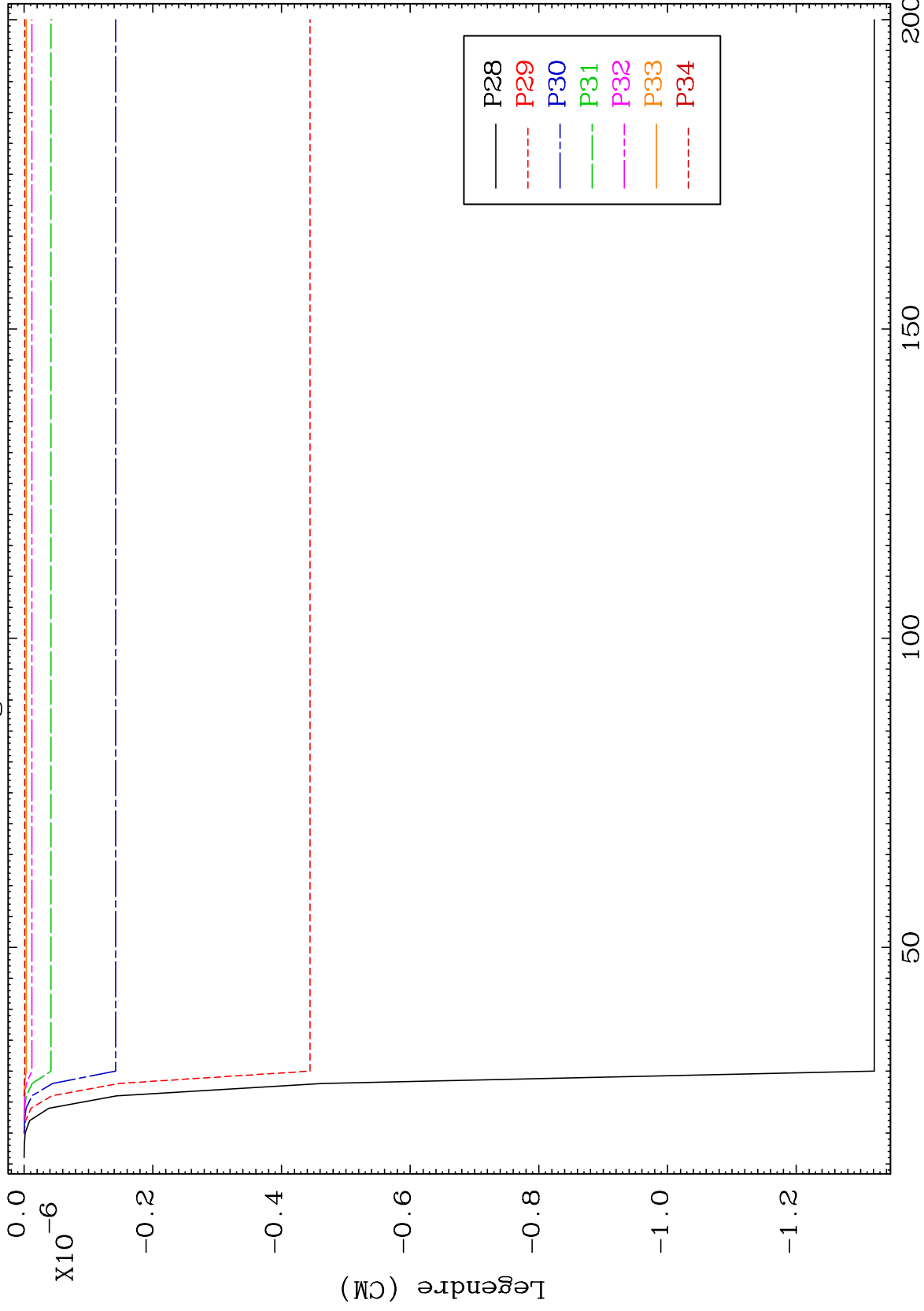
100

MAT 5161

MT= 71 (n,n') Level

51-Sb-133

Legendre Coefficients



101

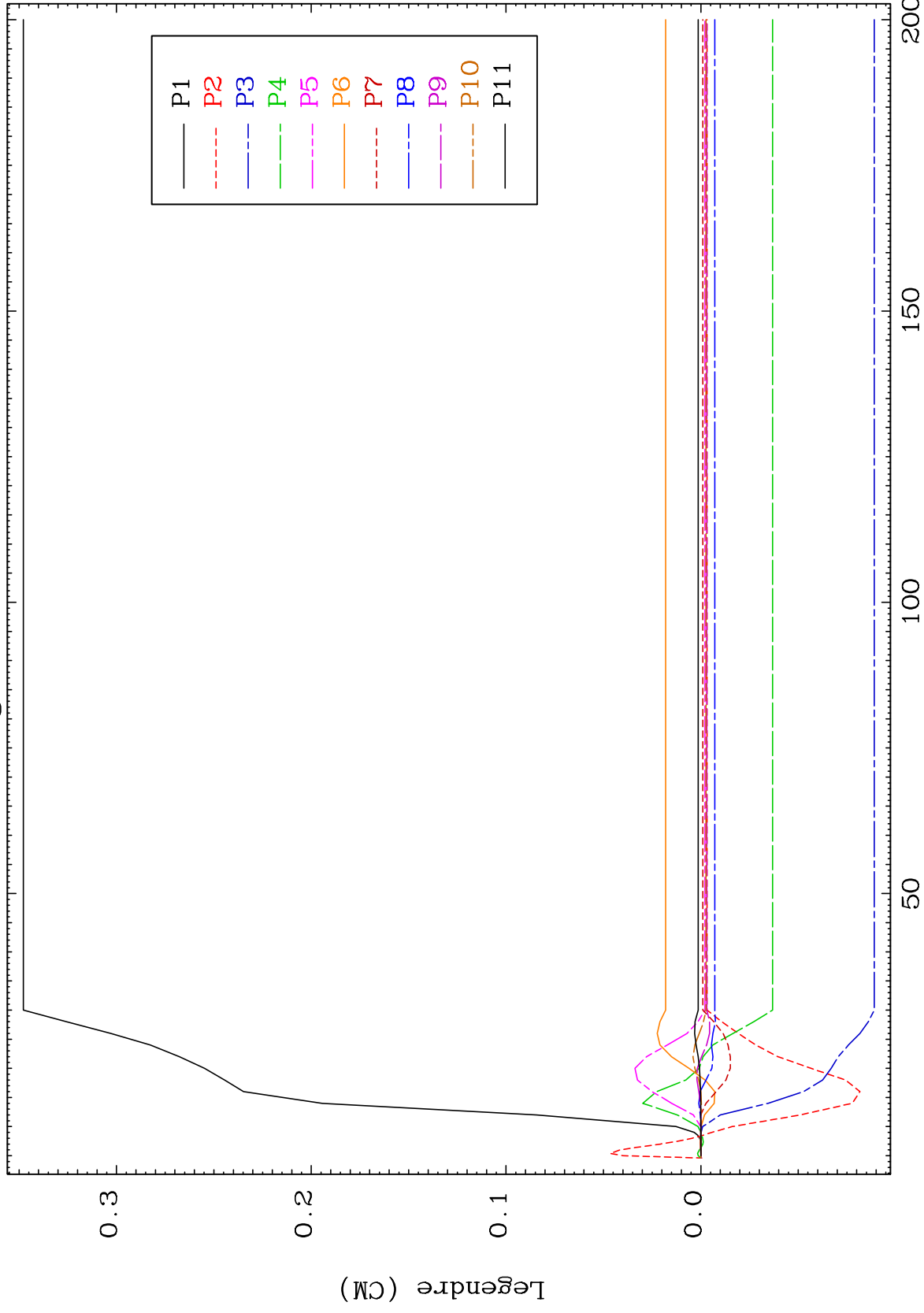
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

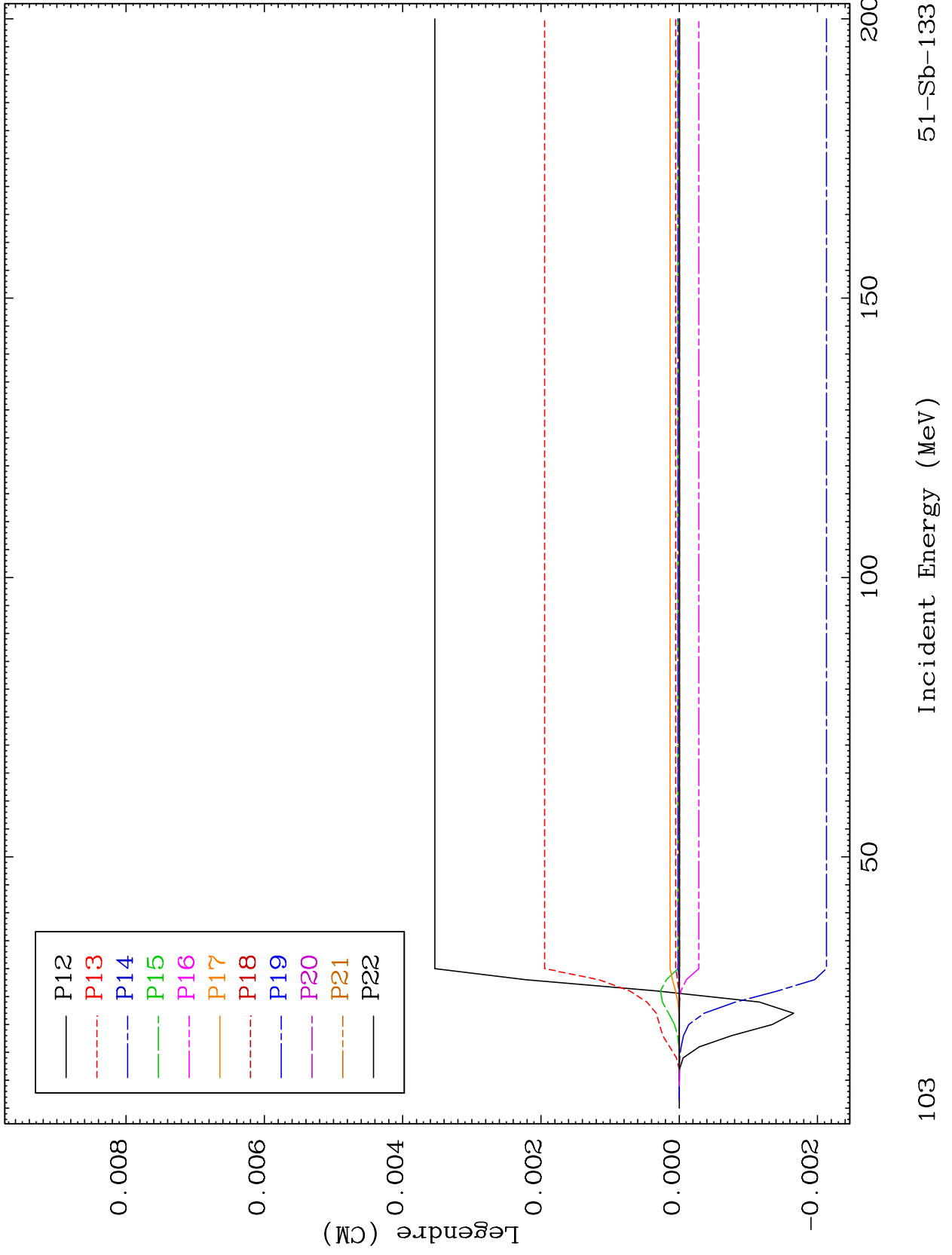
51-Sb-133



102

Incident Energy (MeV)

51-Sb-133

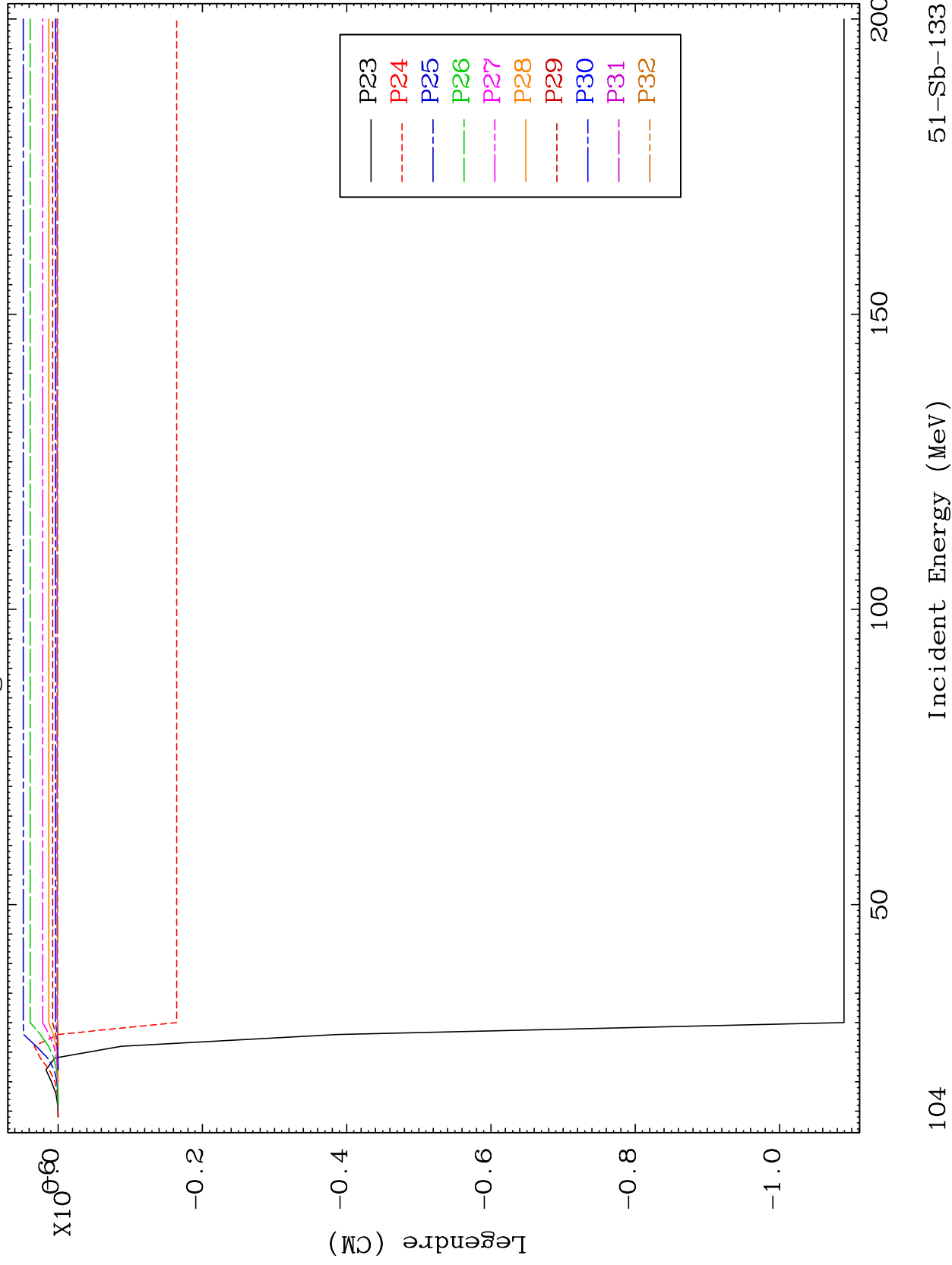




MAT 5161

51-Sb-133

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



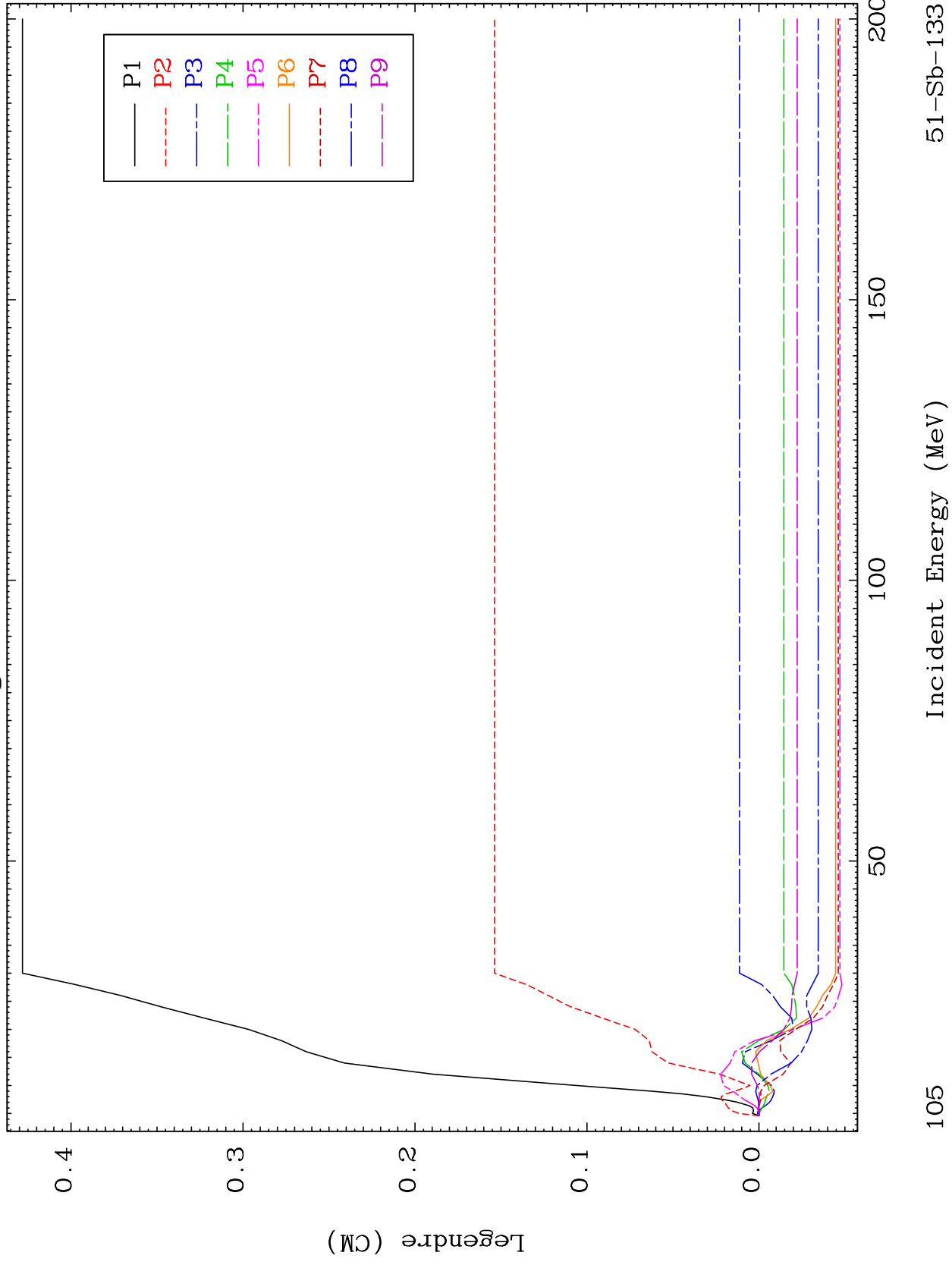
104

51-Sb-133

MAT 5161

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

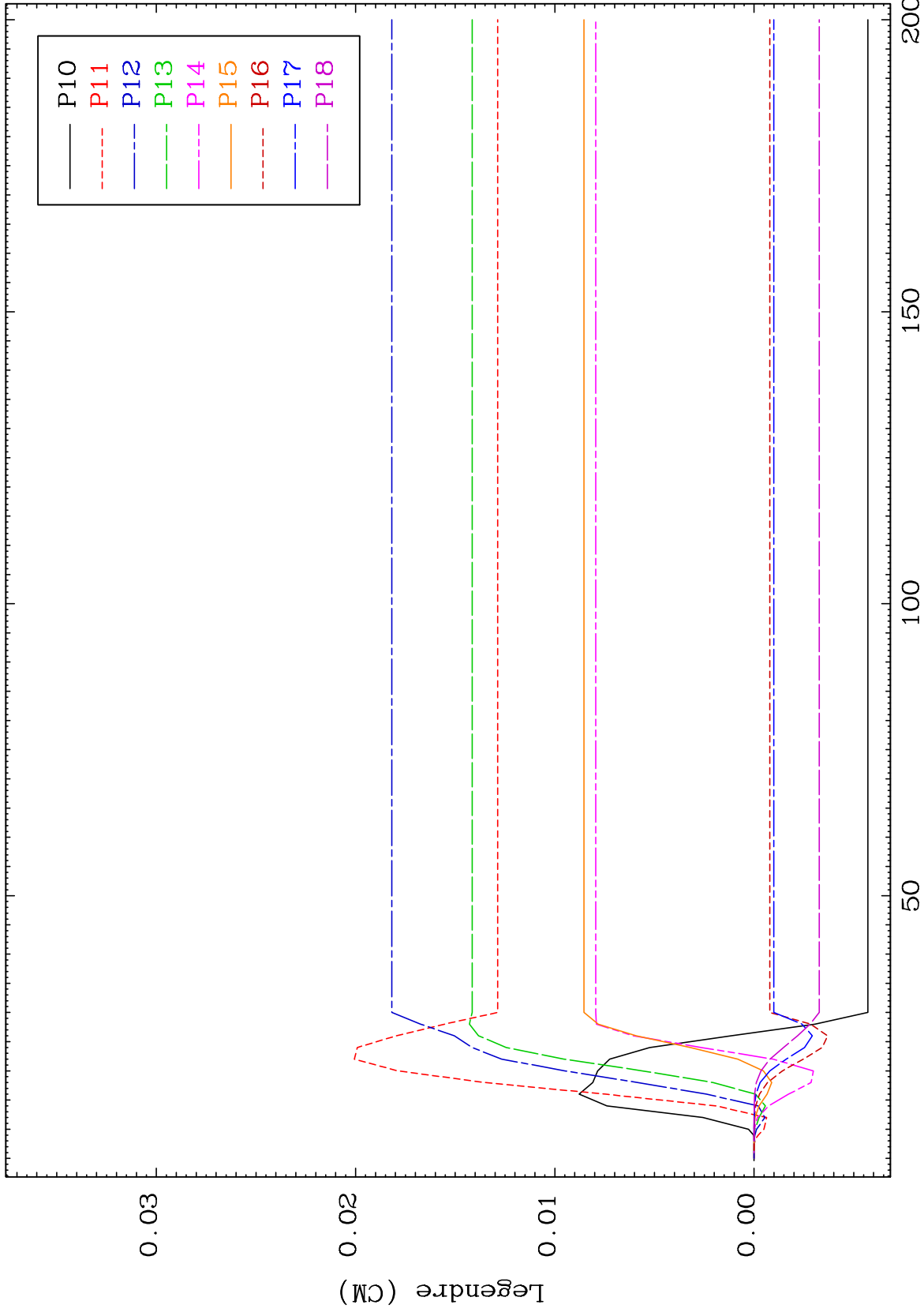
51-Sb-133



MAT 5161

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

51-Sb-133



106

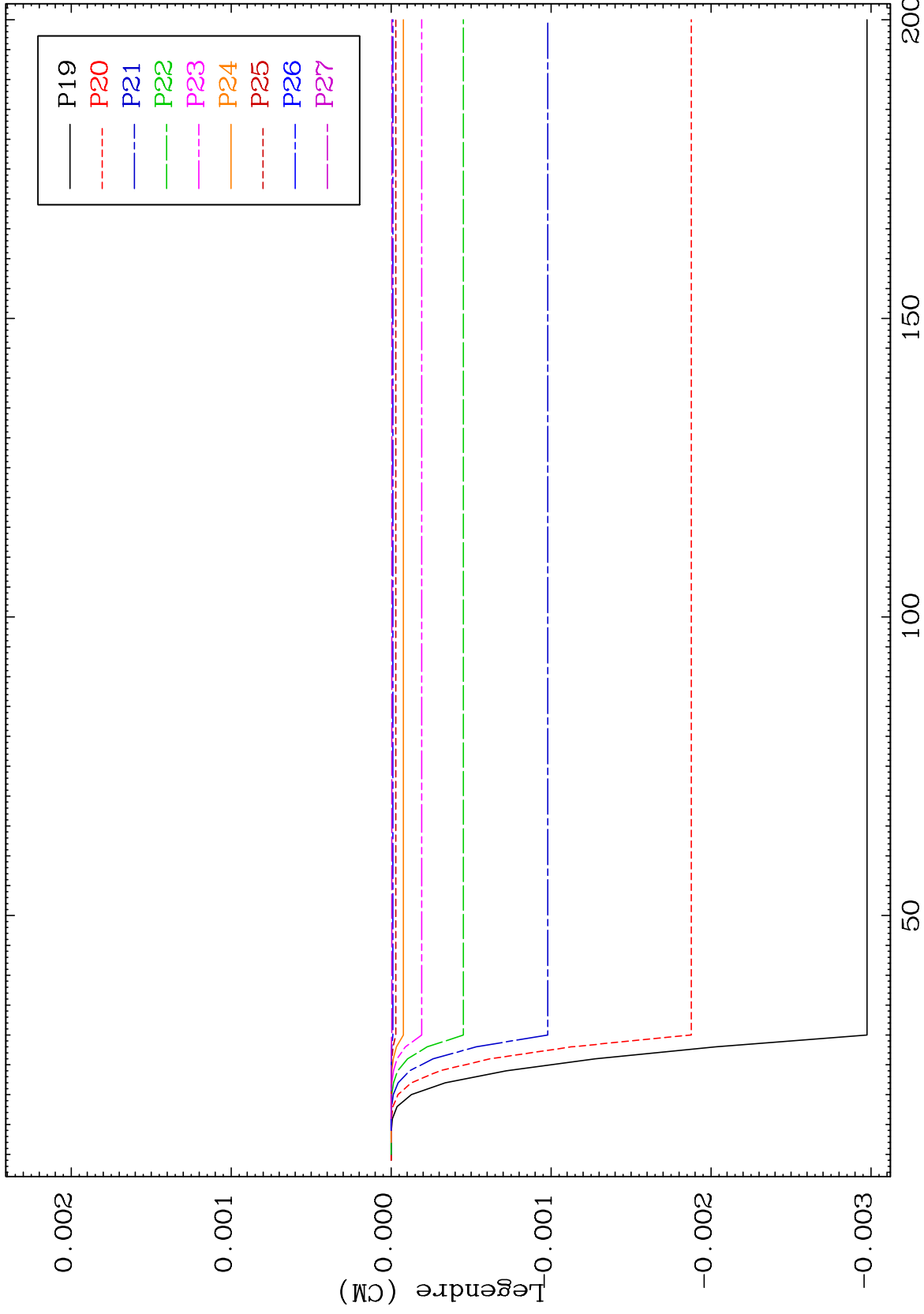
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



107

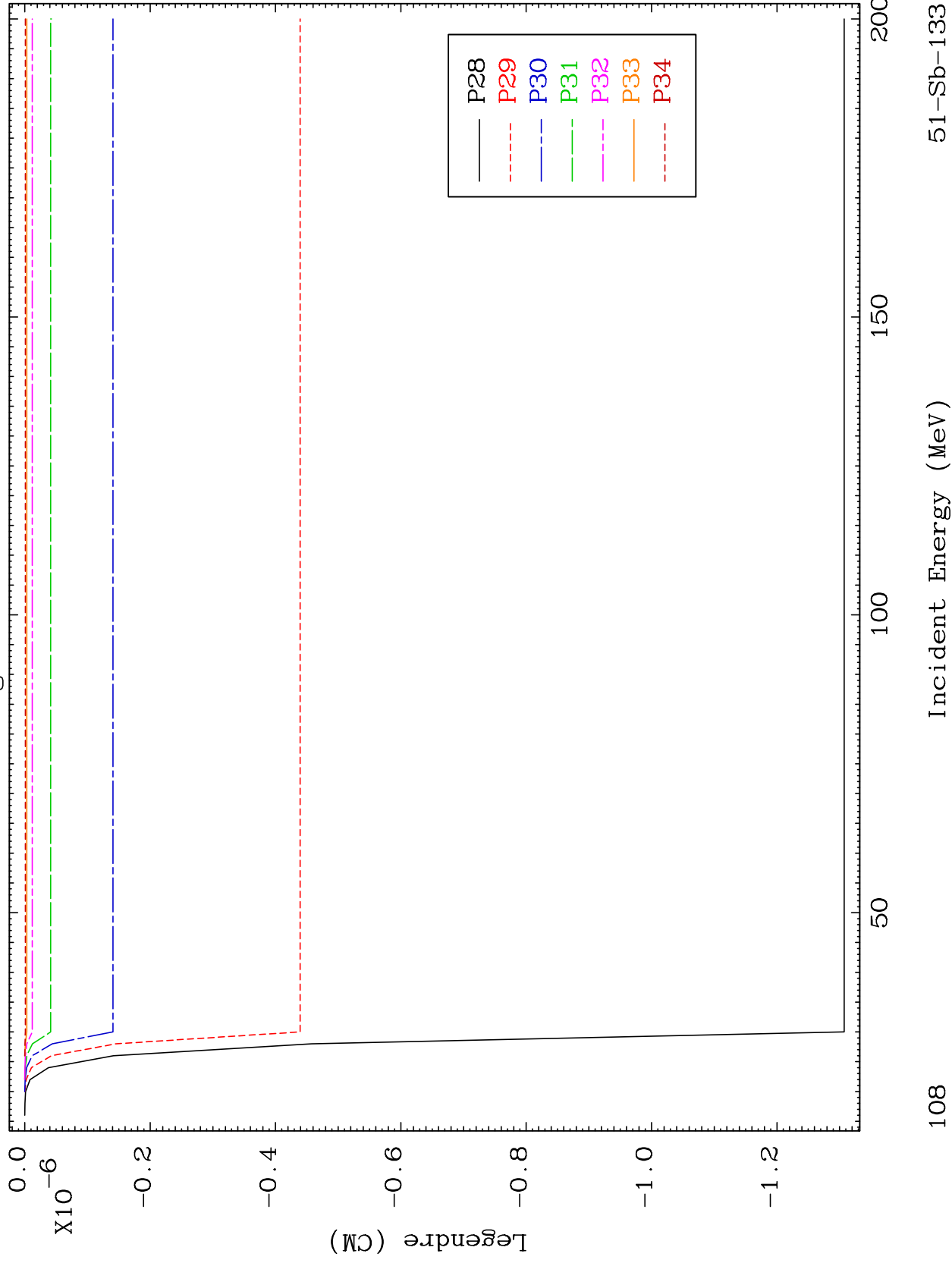
Incident Energy (MeV)

51-Sb-133

MAT 5161

51-Sb-133

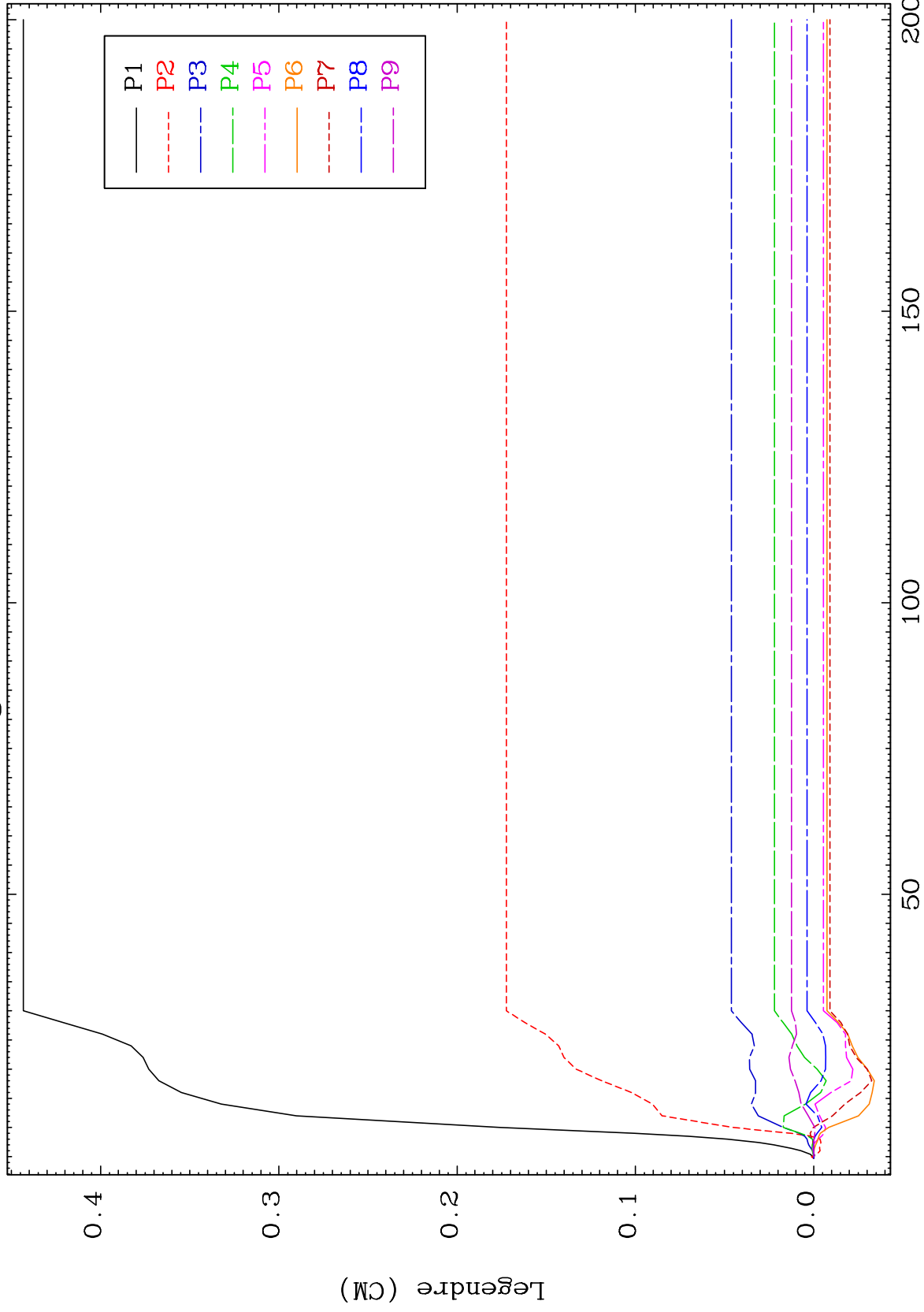
MT= 73 (n,n') Level  
Legendre Coefficients



108

Incident Energy (MeV)

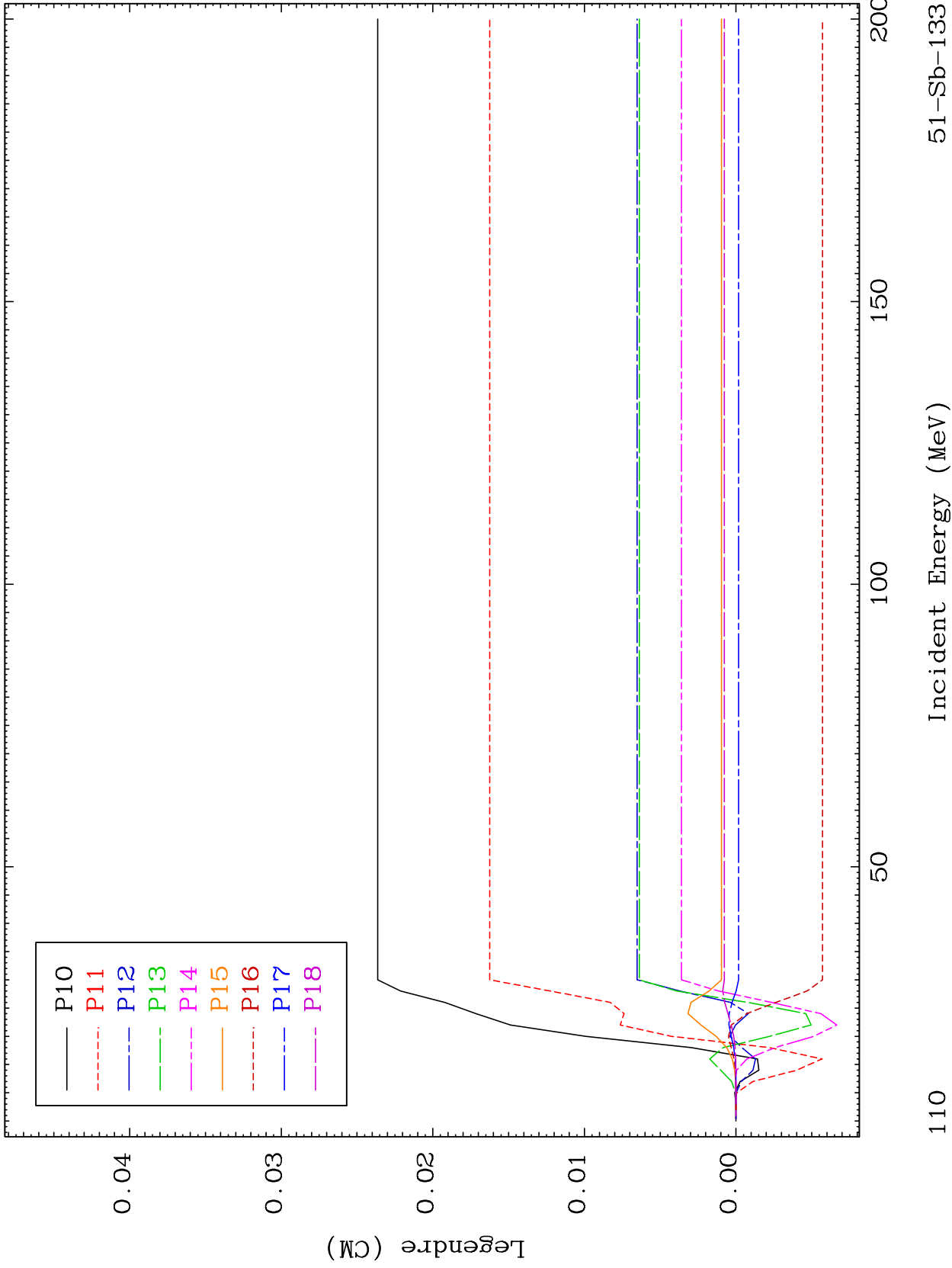
51-Sb-133



MAT 5161

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

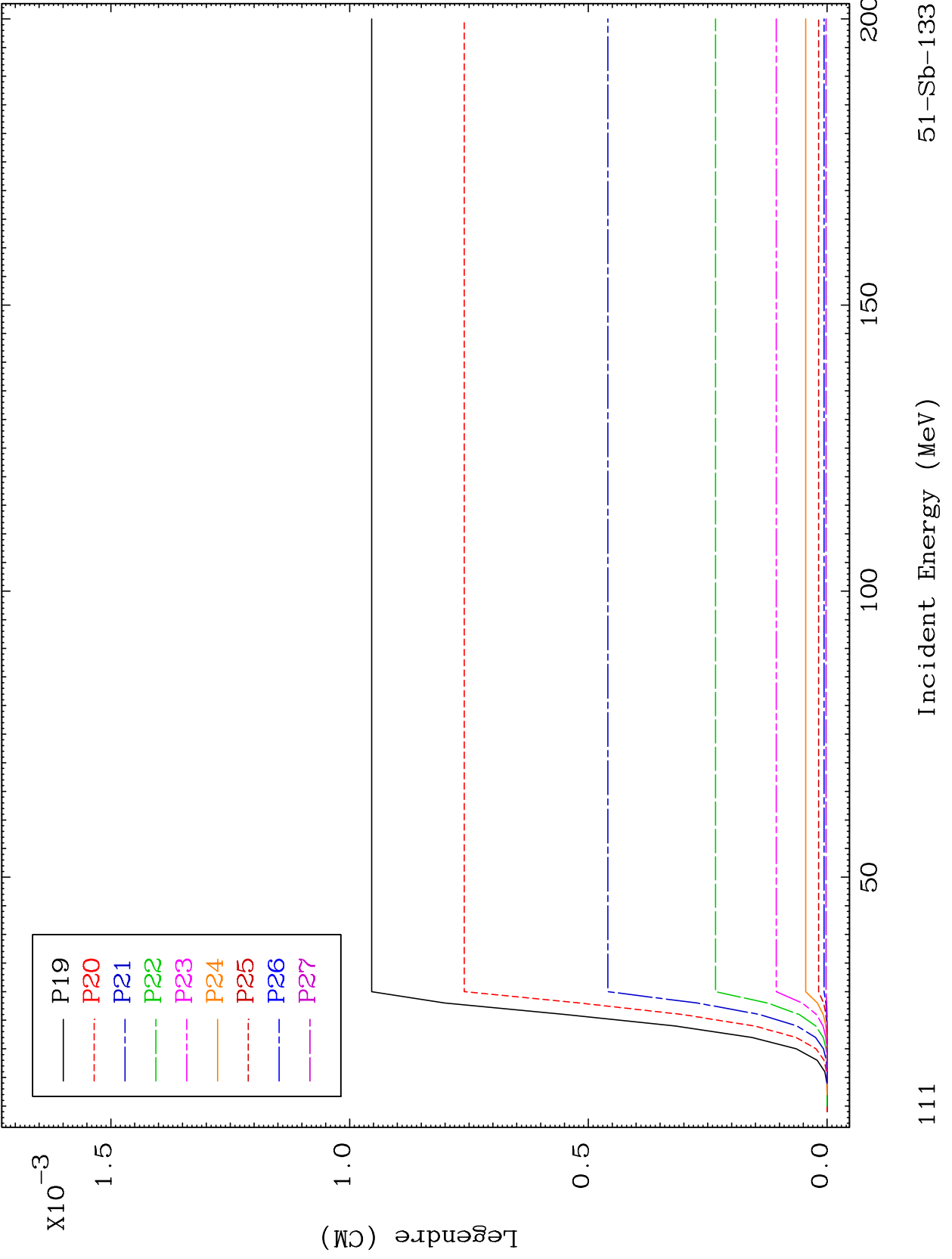
51-Sb-133



110

Incident Energy (MeV)

51-Sb-133

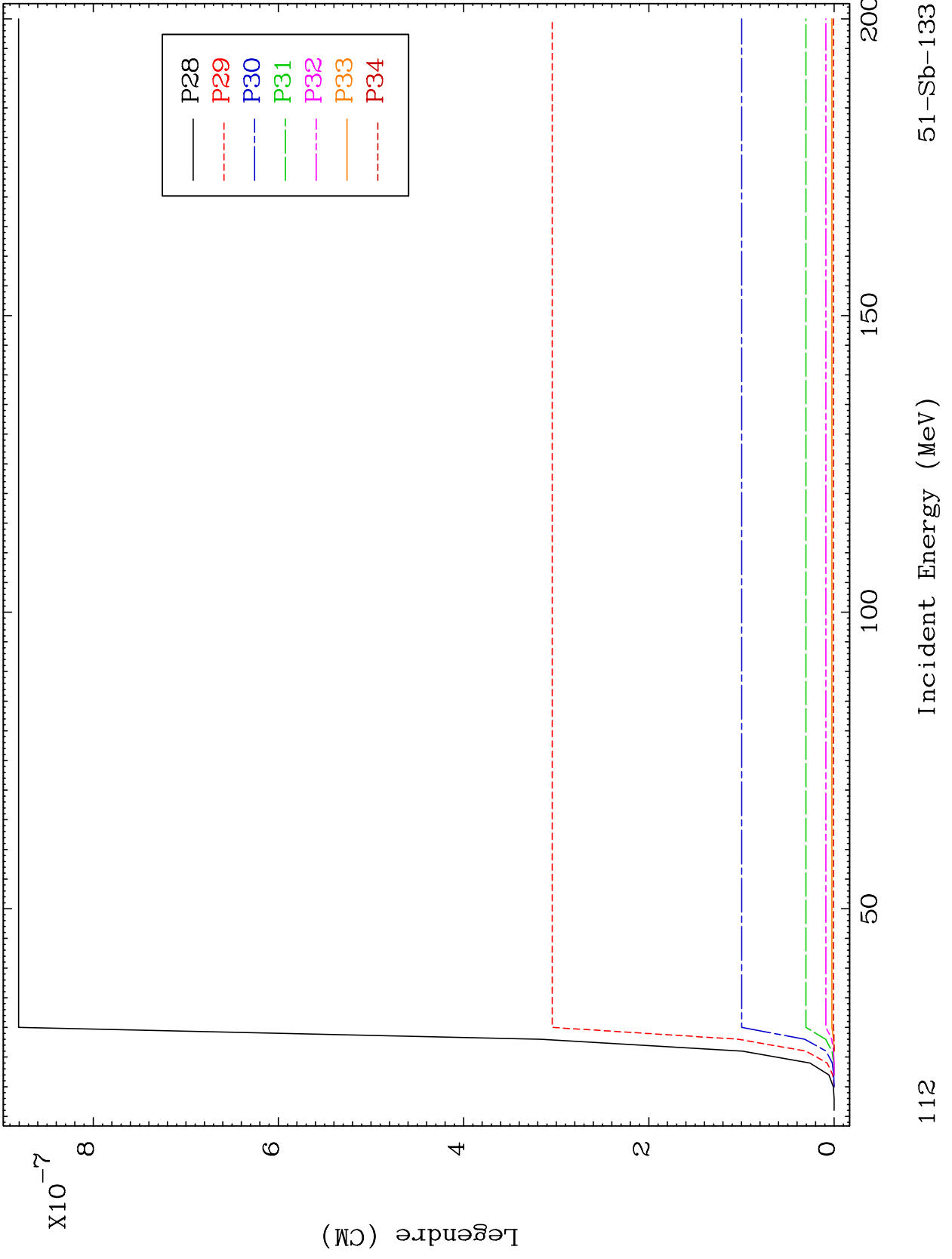




MAT 5161

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

51-Sb-133



112

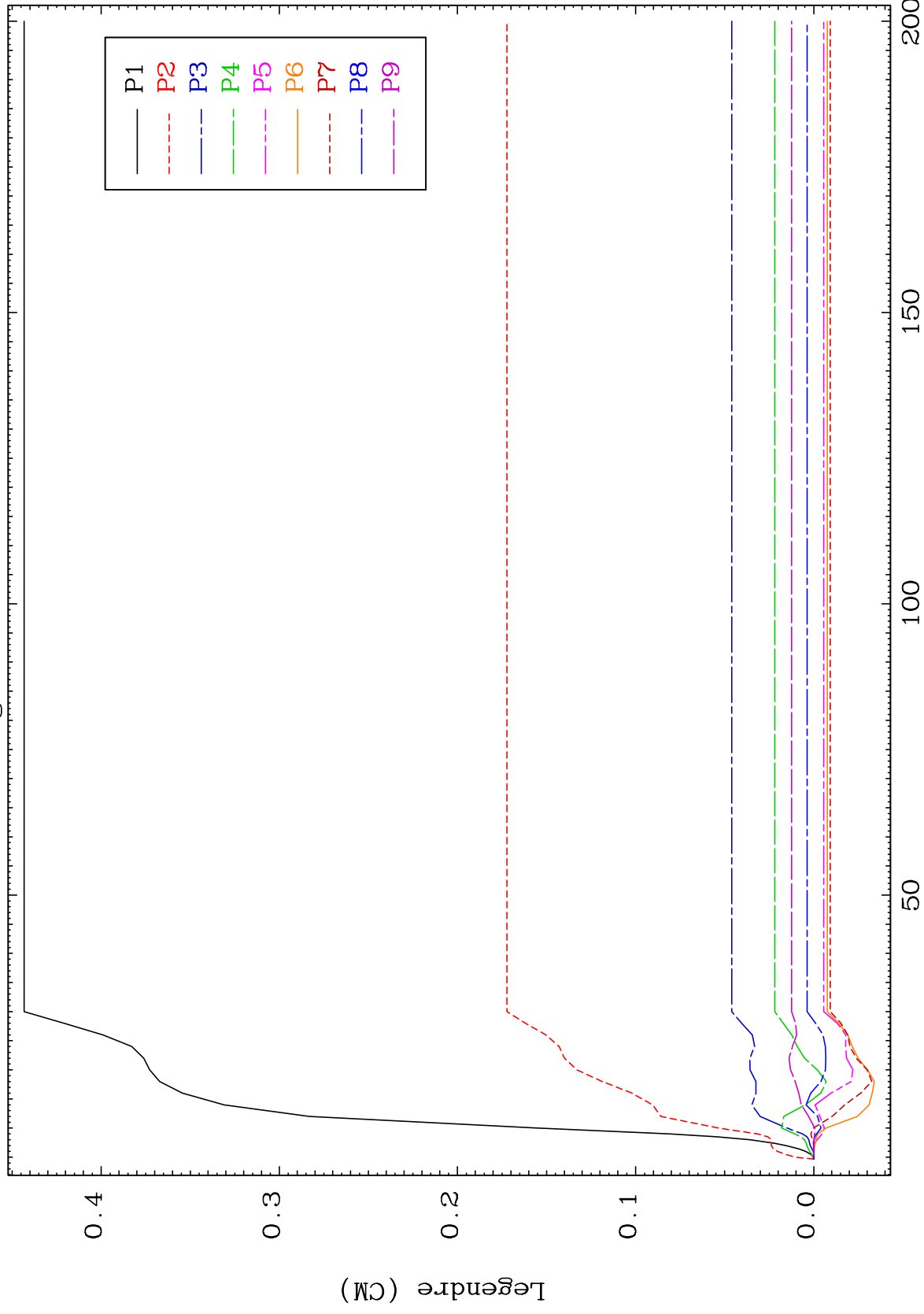
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

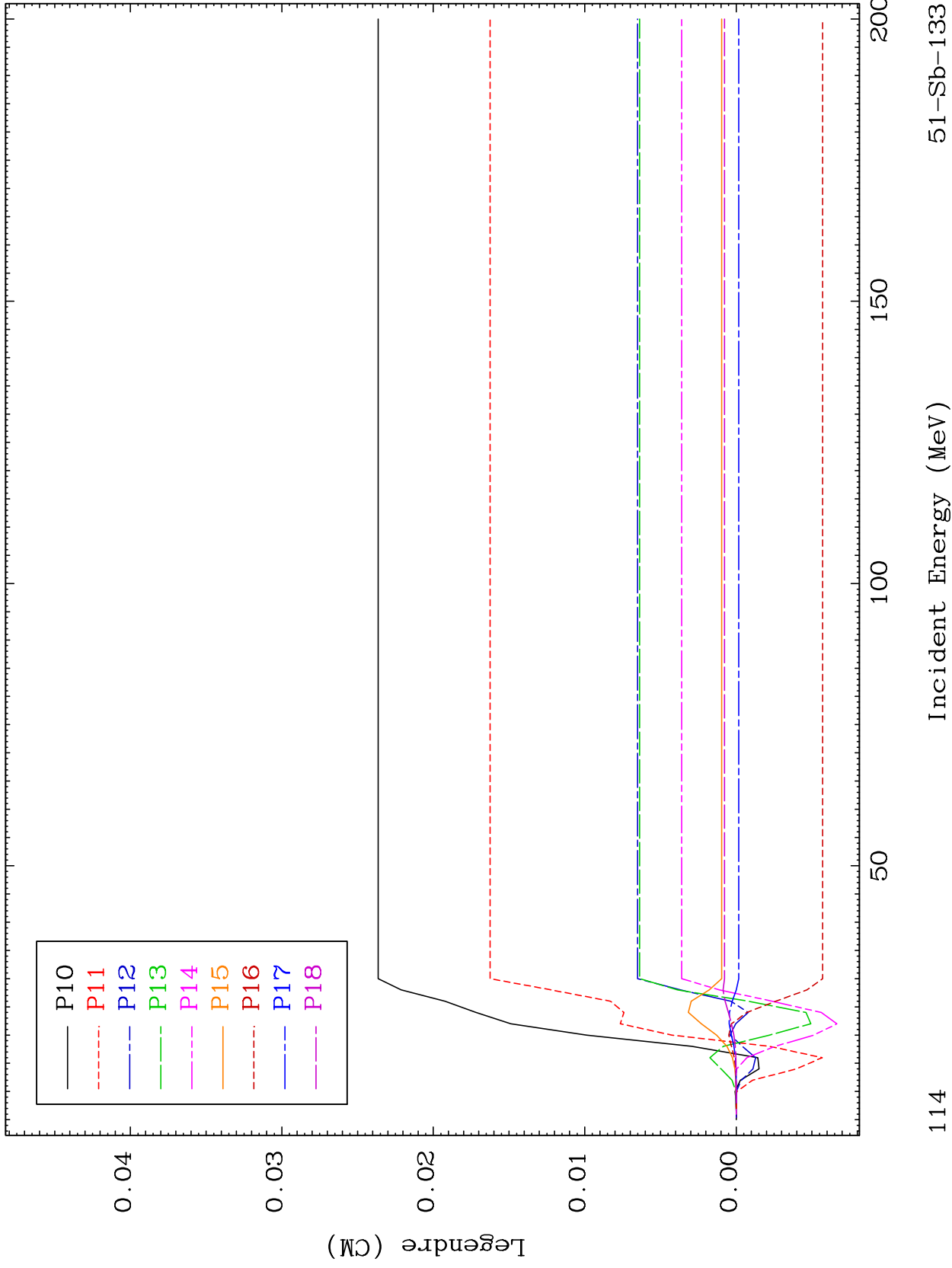
51-Sb-133



113

Incident Energy (MeV)

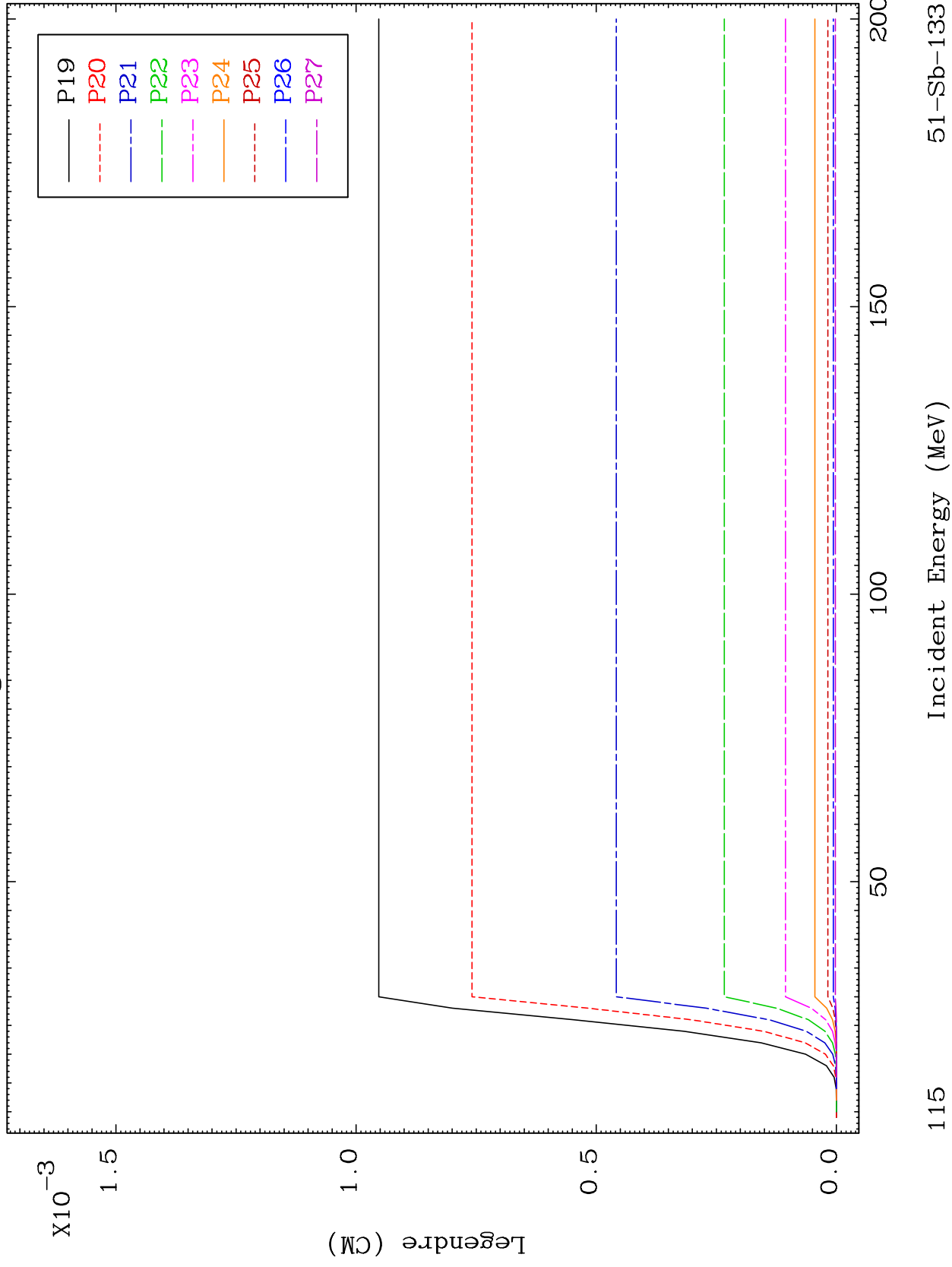
51-Sb-133



MAT 5161

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

51-Sb-133



51-Sb-133

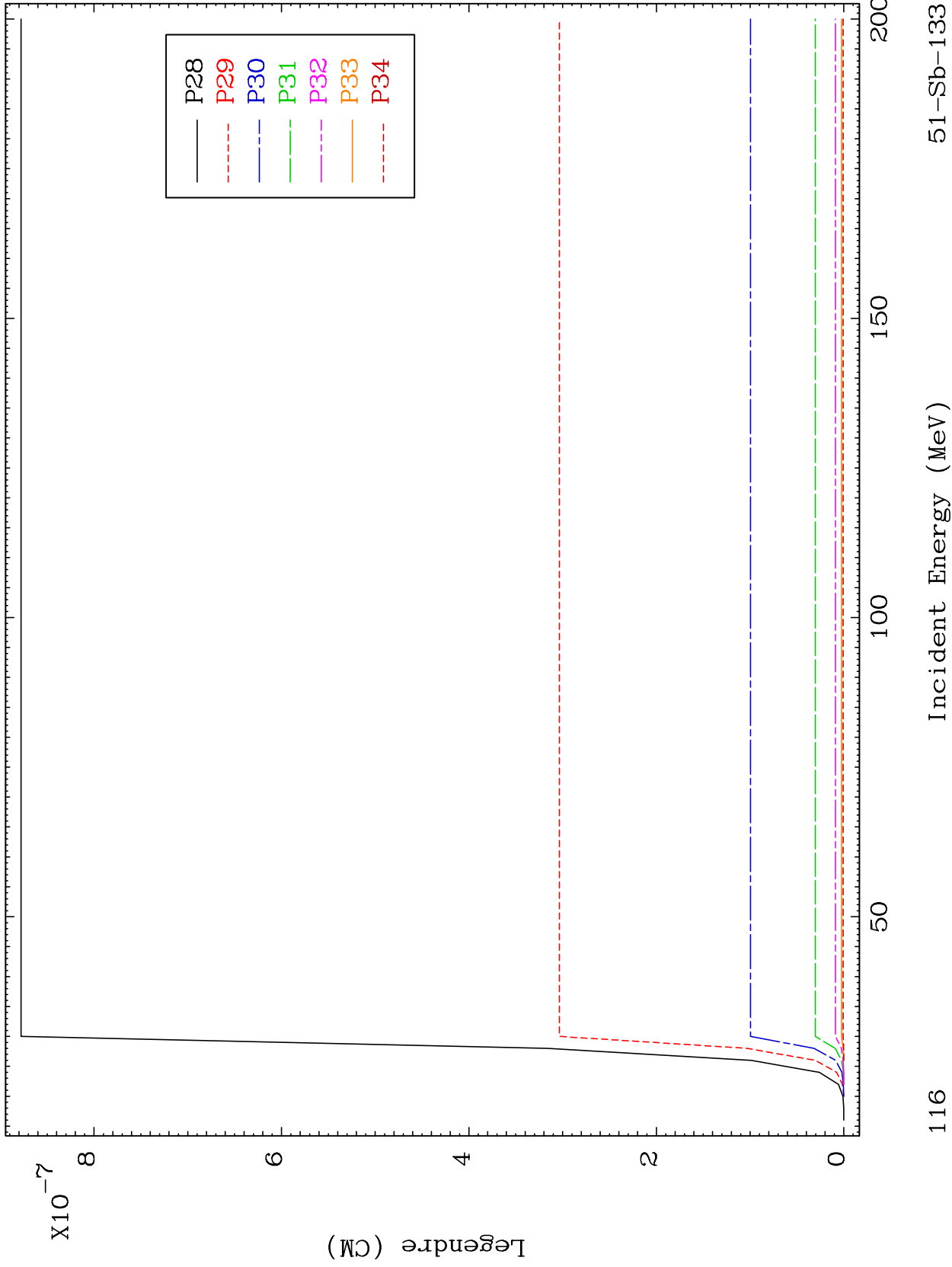
Incident Energy (MeV)

115

MAT 5161

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

51-Sb-133



116

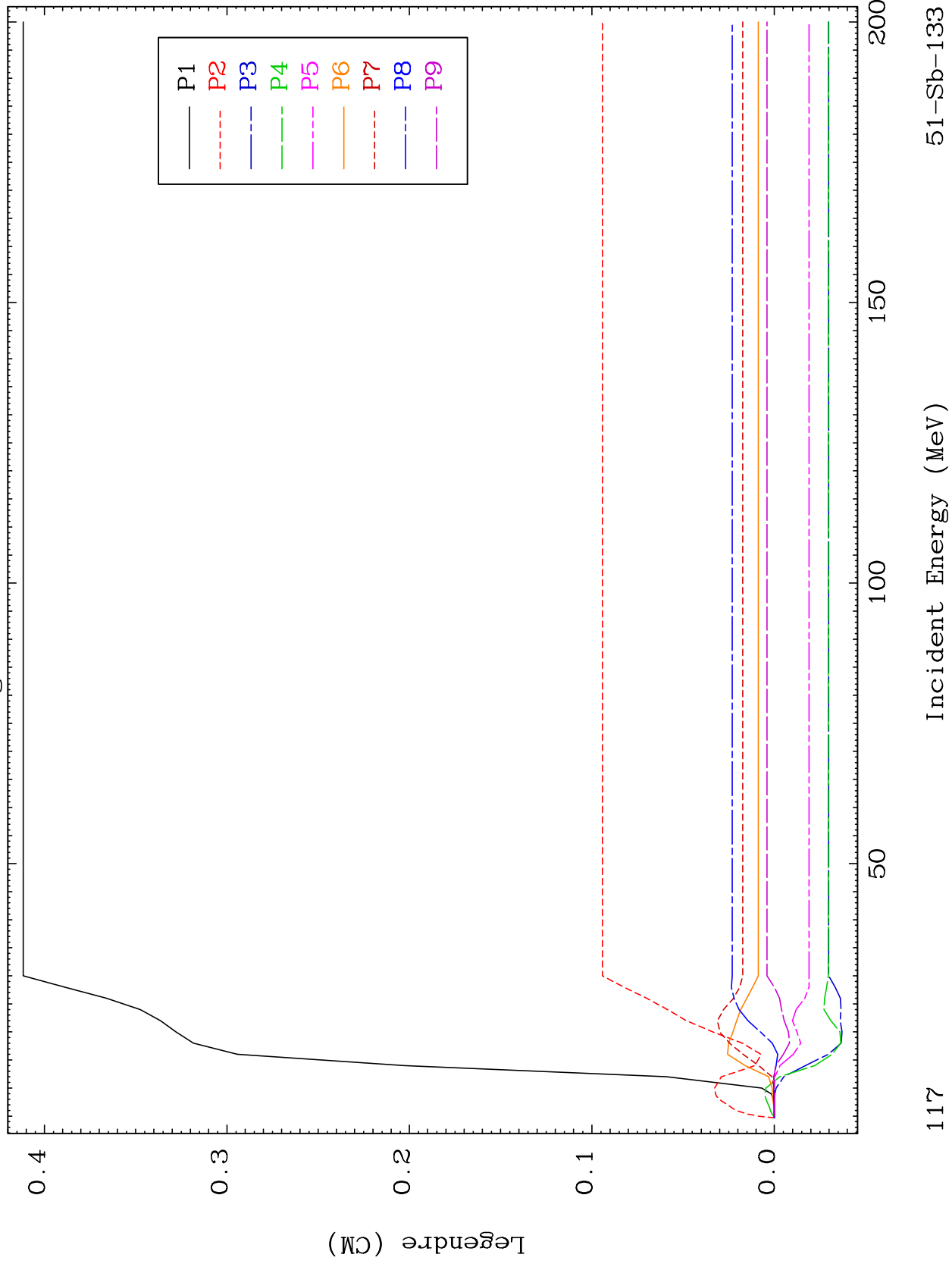
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

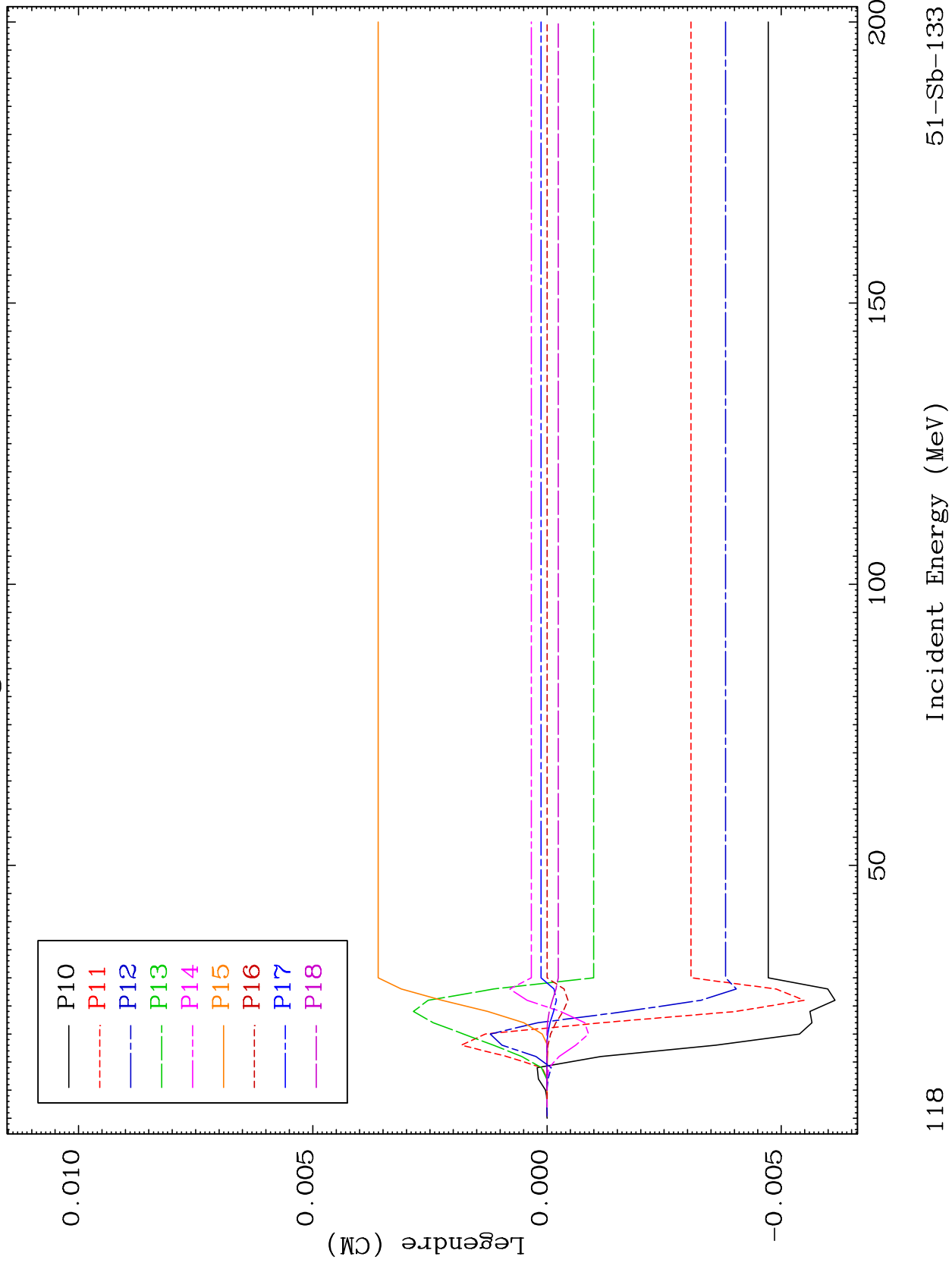
51-Sb-133



117

Incident Energy (MeV)

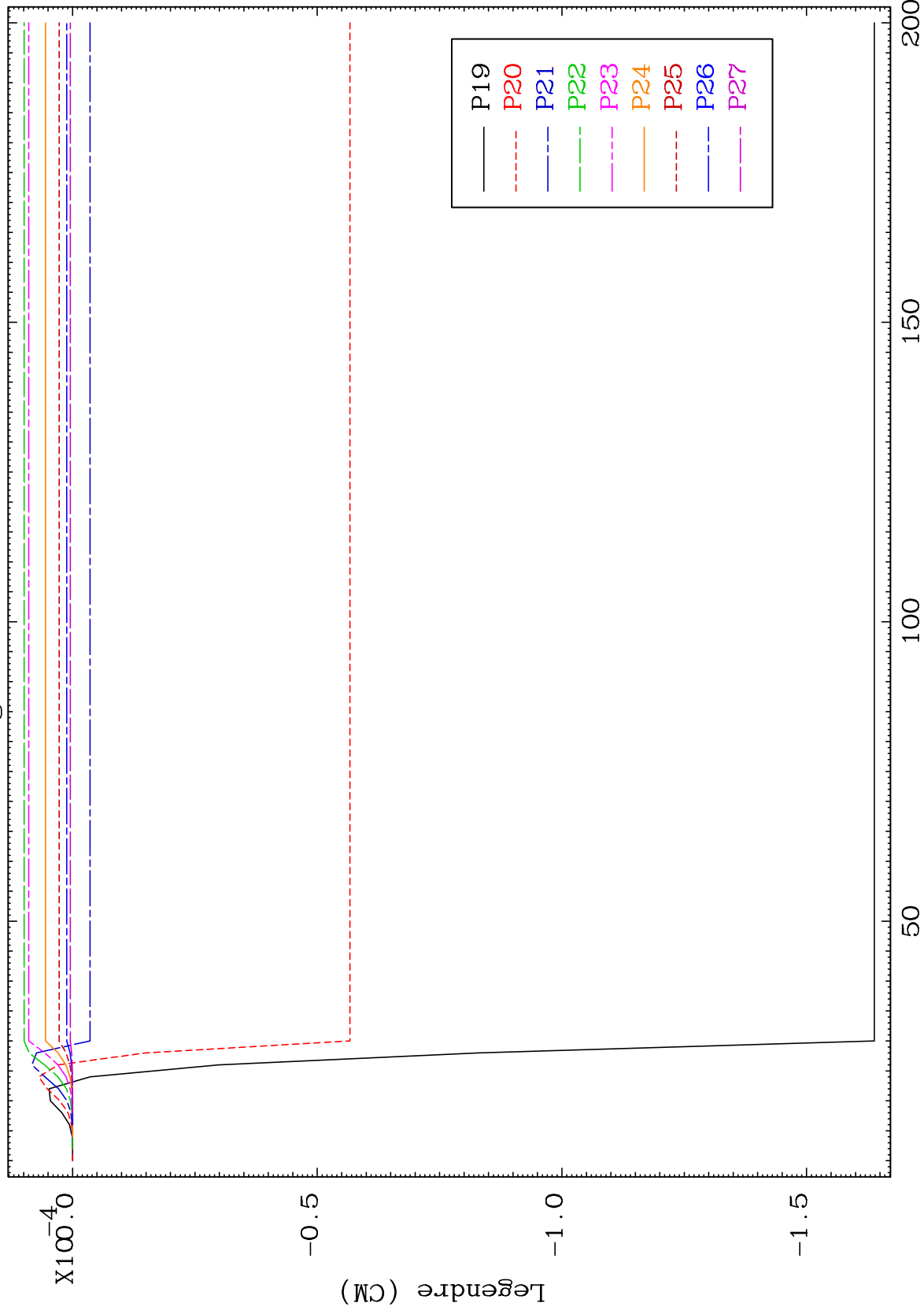
51-Sb-133



MAT 5161

51-Sb-133

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



119

Incident Energy (MeV)

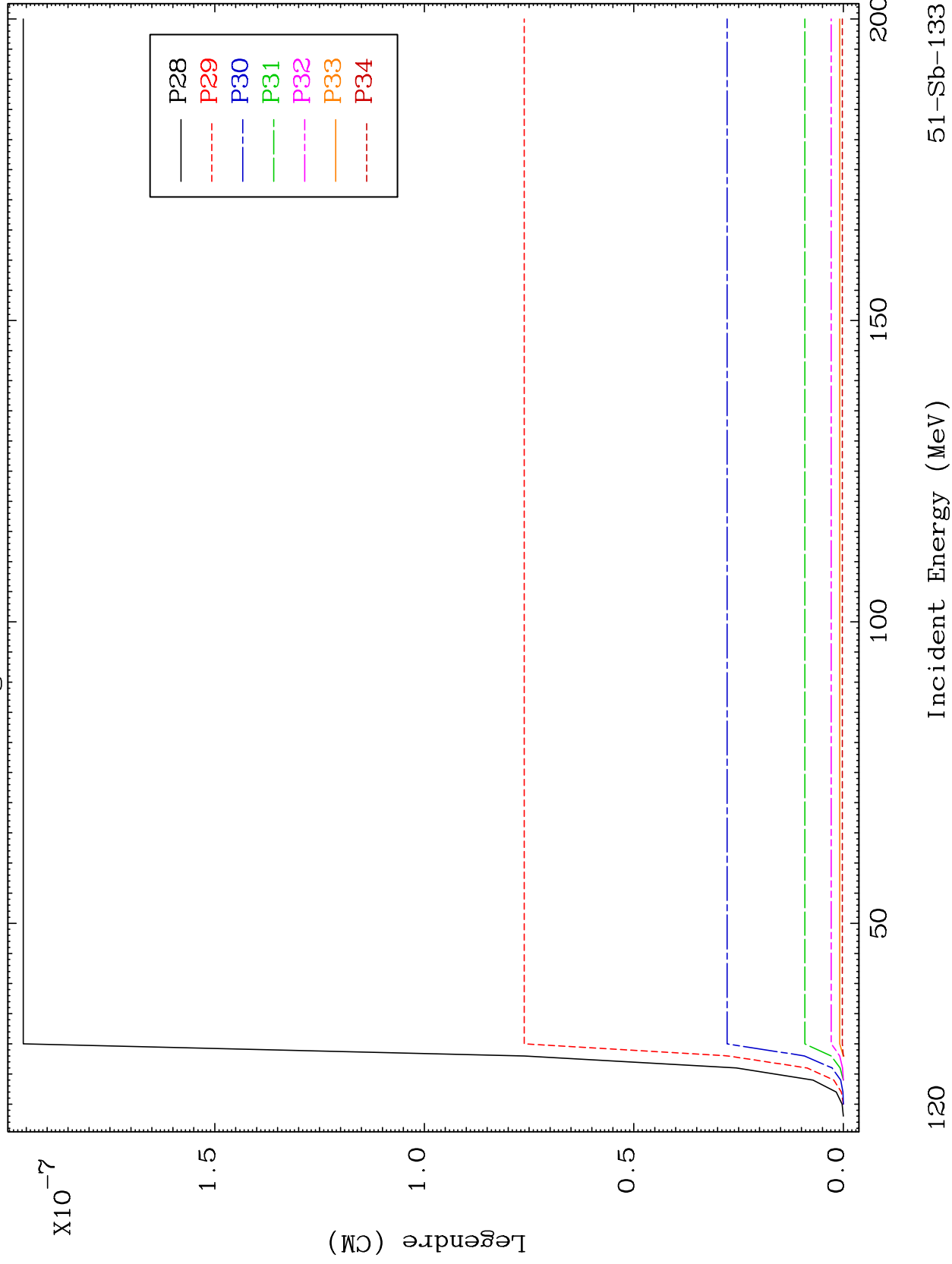
51-Sb-133

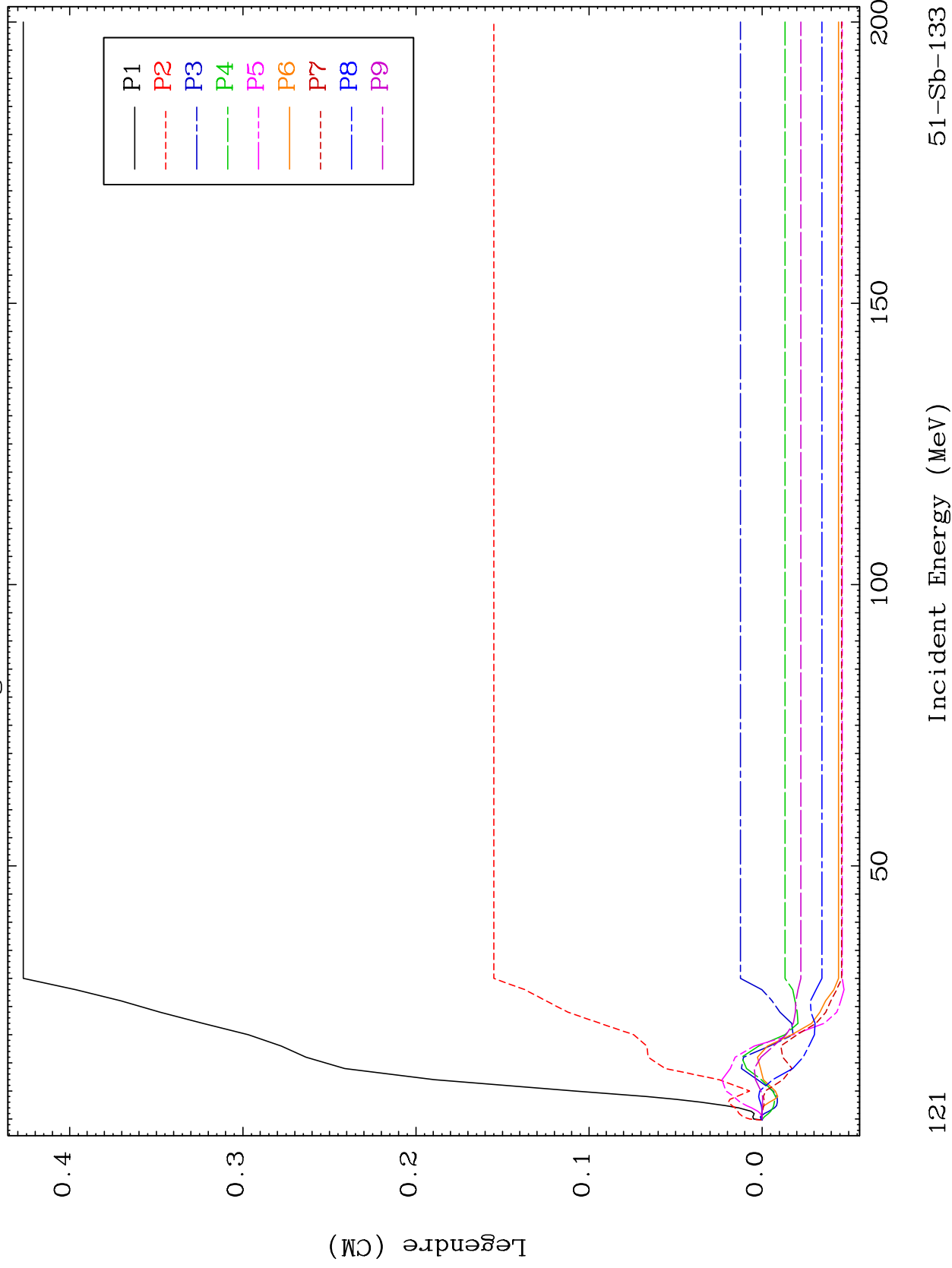


MAT 5161

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

51-Sb-133

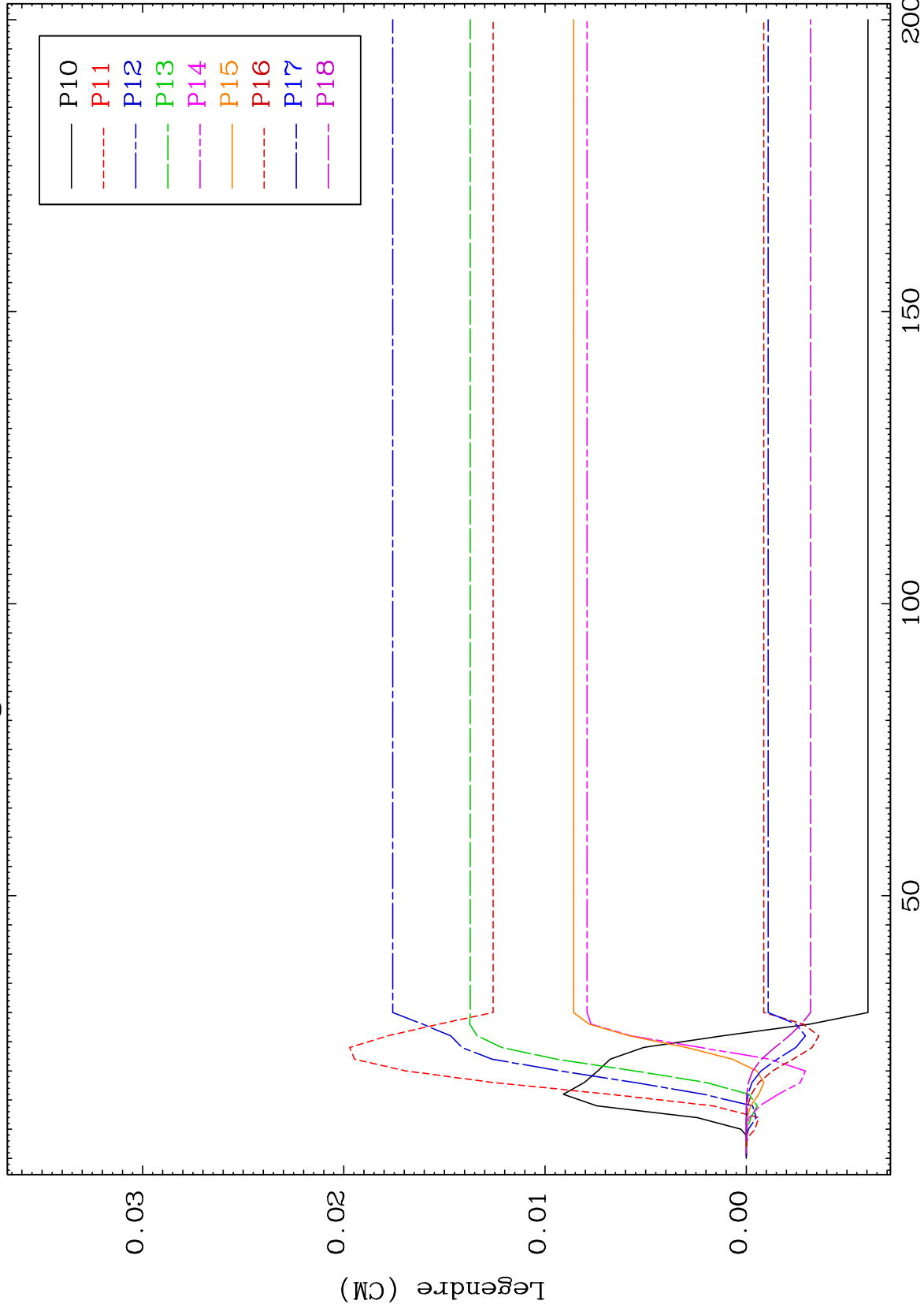




MAT 5161

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

51-Sb-133



122

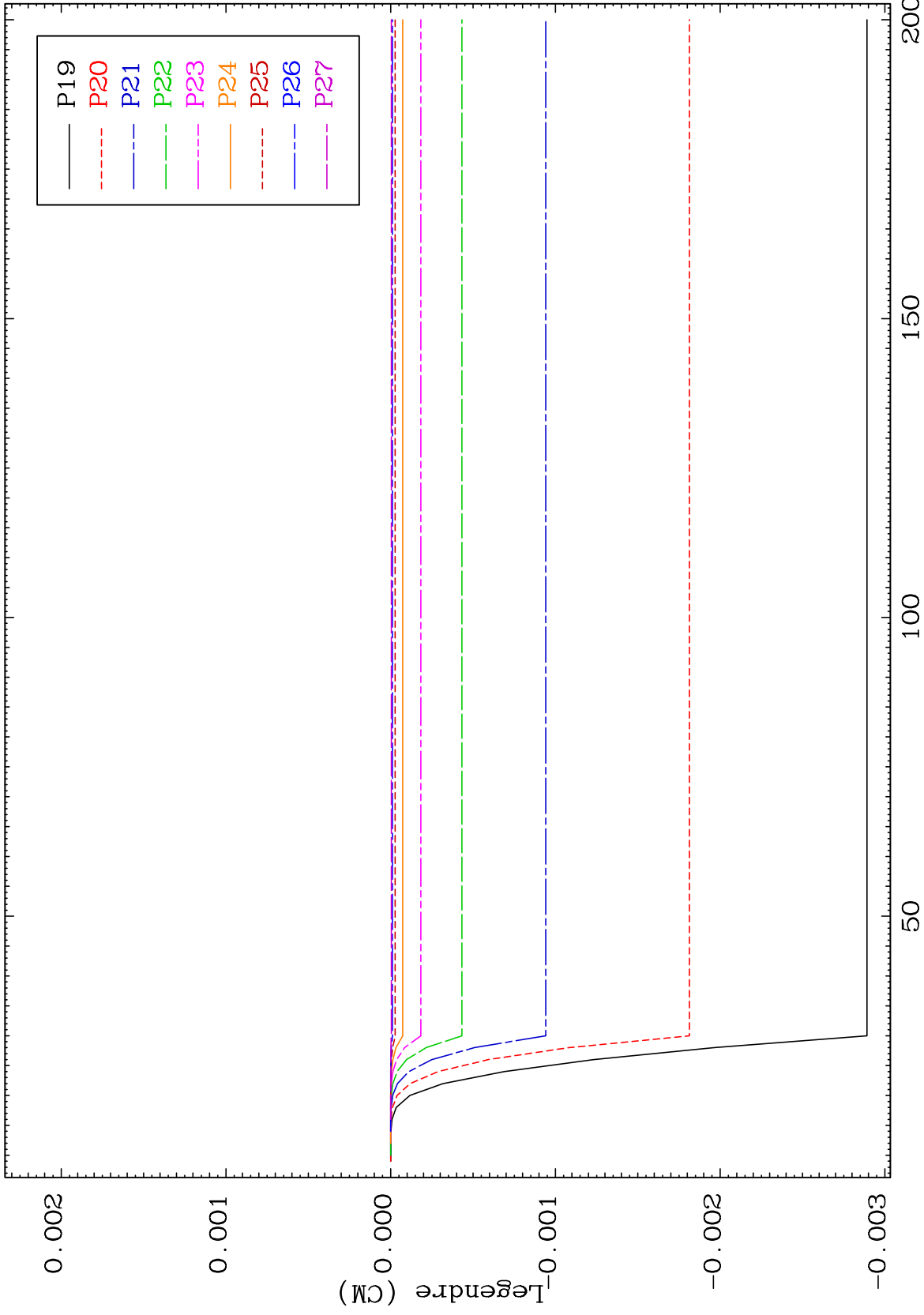
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



123

Incident Energy (MeV)

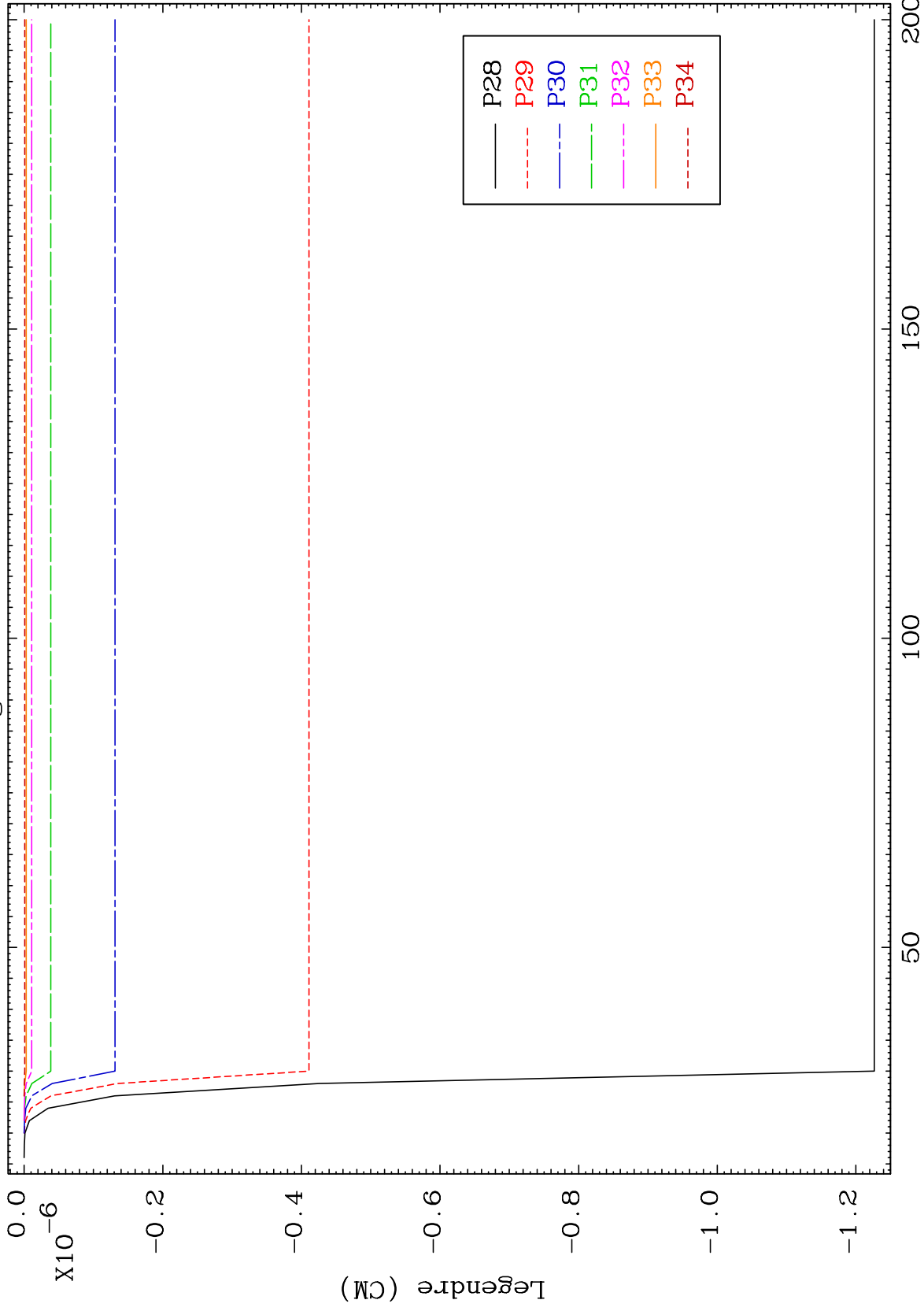
51-Sb-133

MAT 5161

MT= 77 (n,n') Level

51-Sb-133

Legendre Coefficients



124

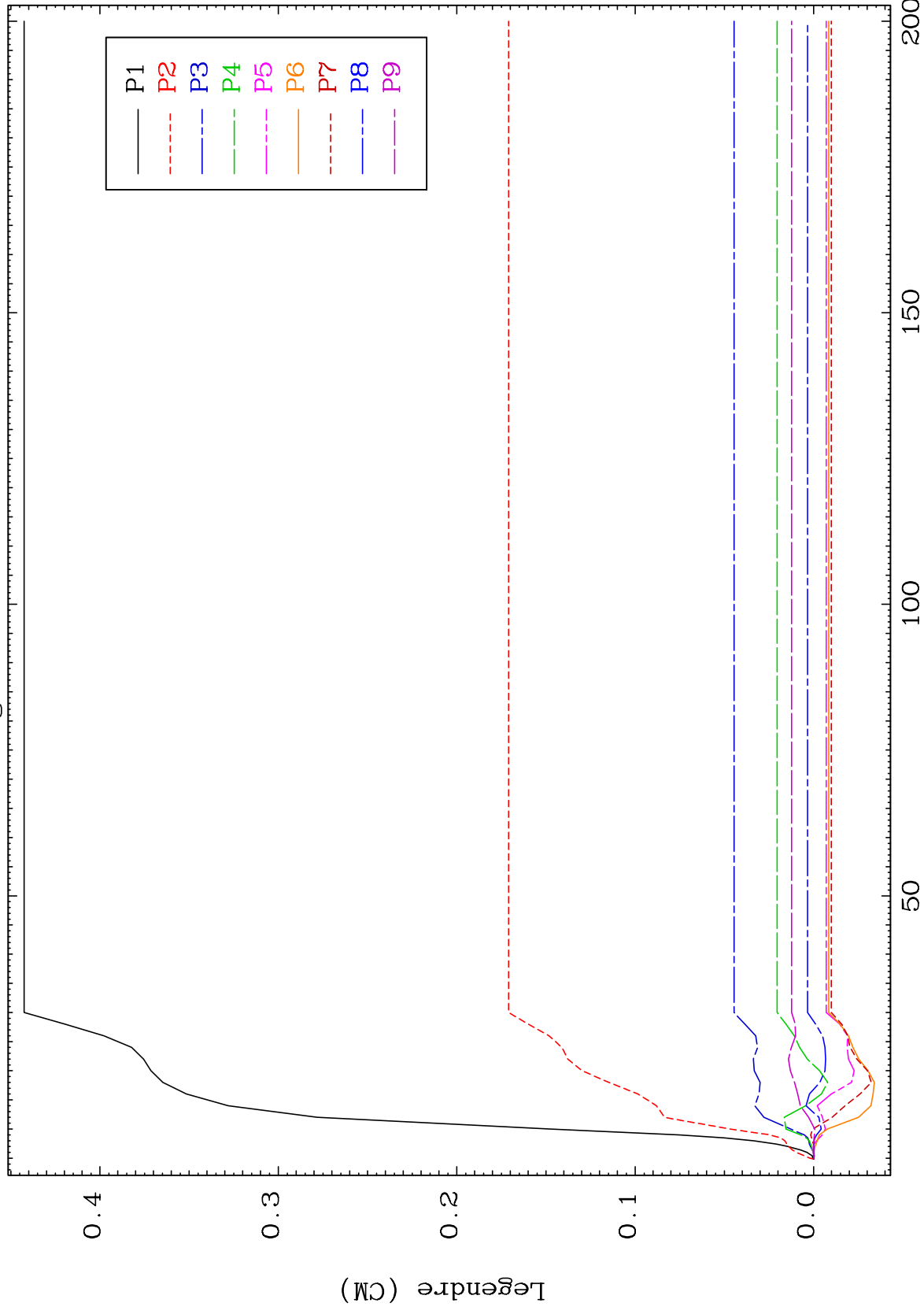
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

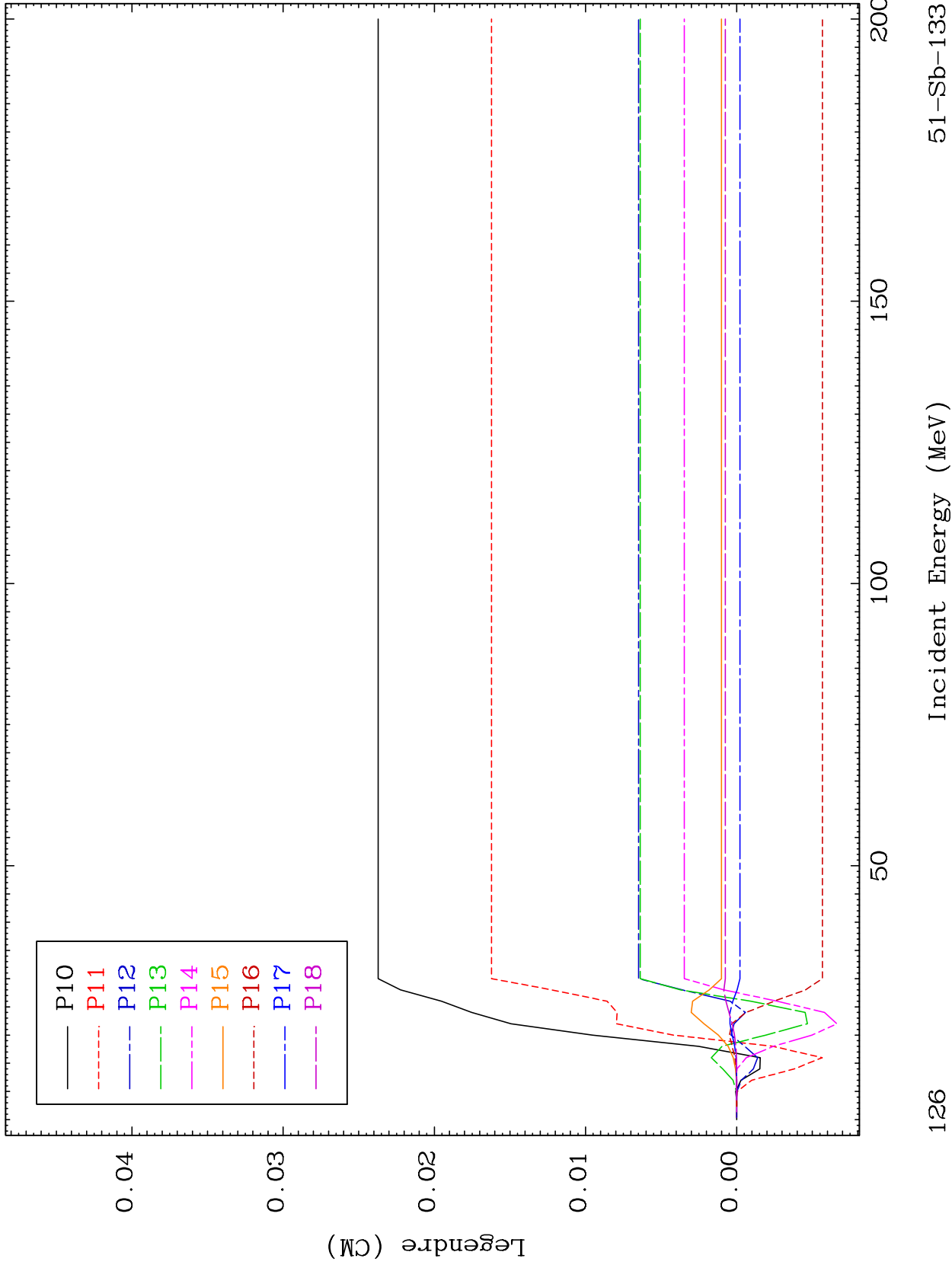
51-Sb-133

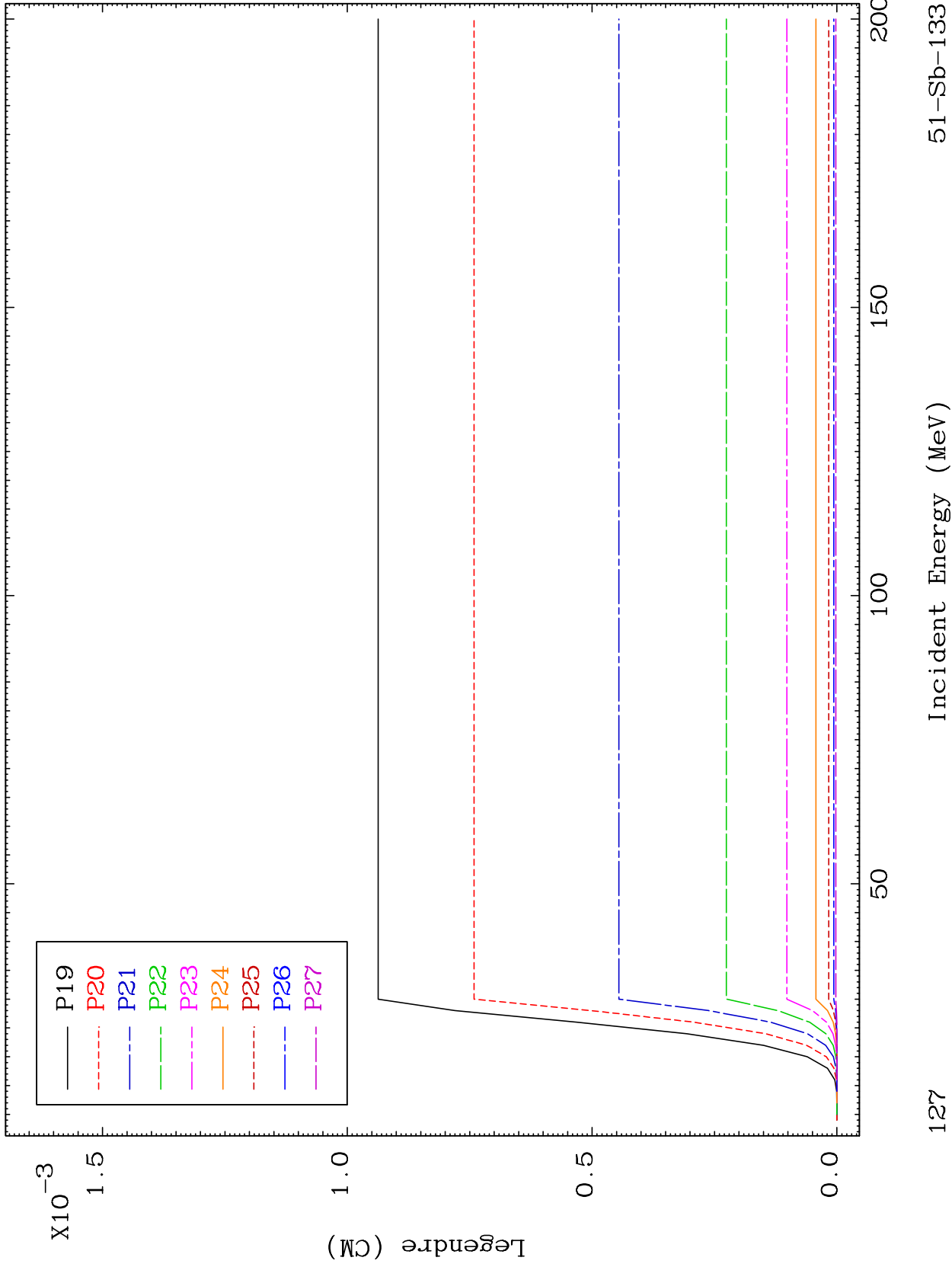


125

Incident Energy (MeV)

51-Sb-133



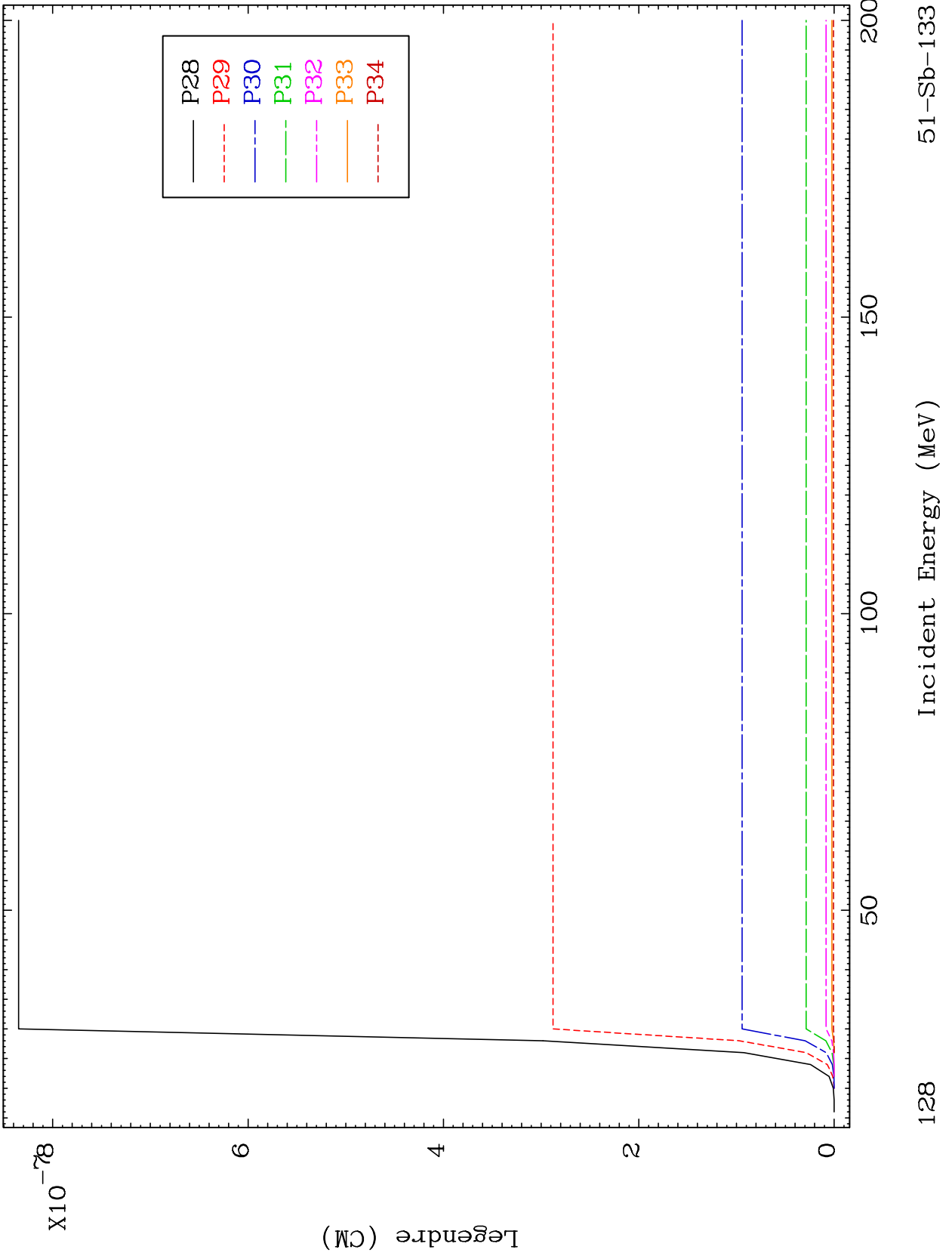


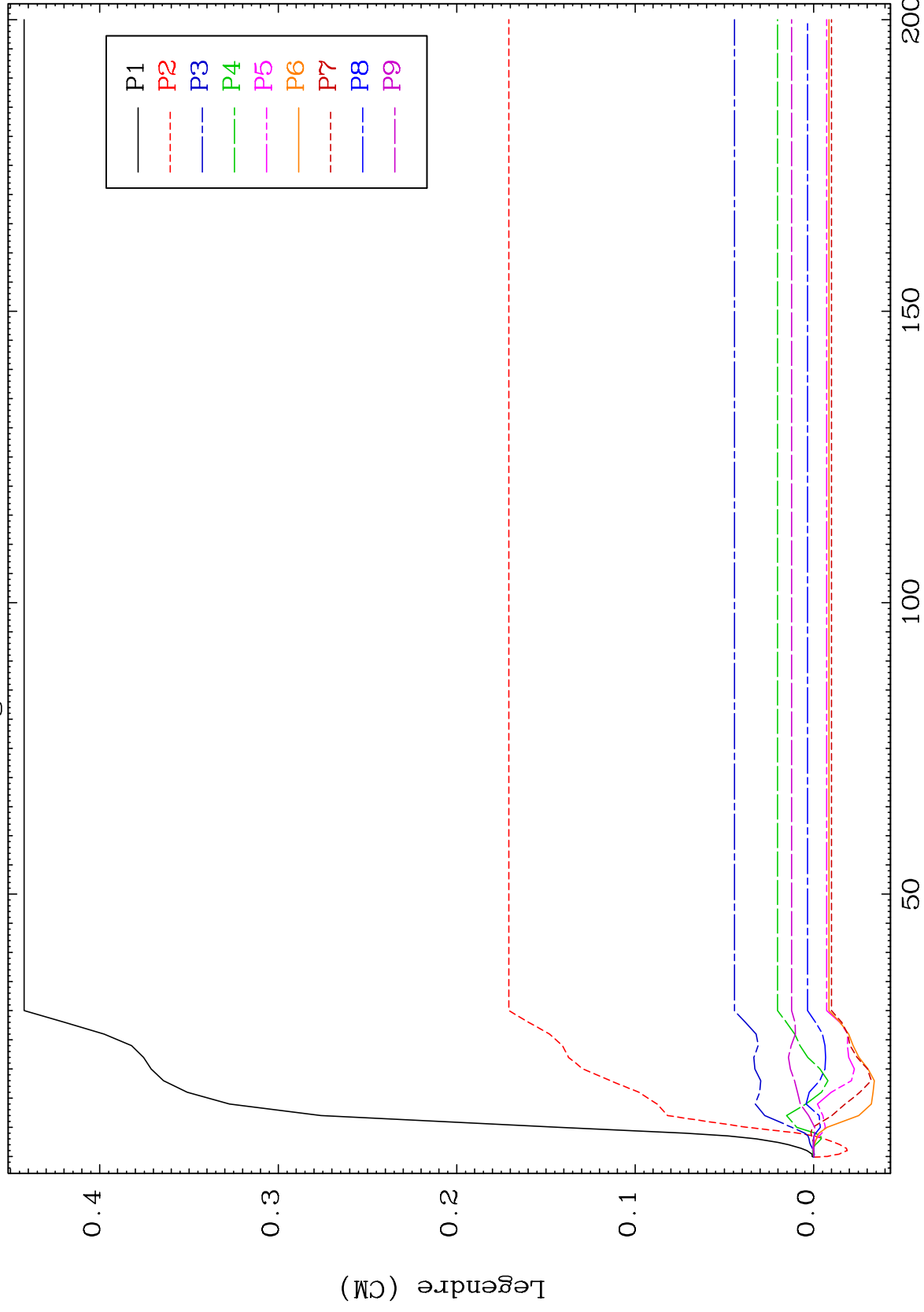


MAT 5161

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

51-Sb-133



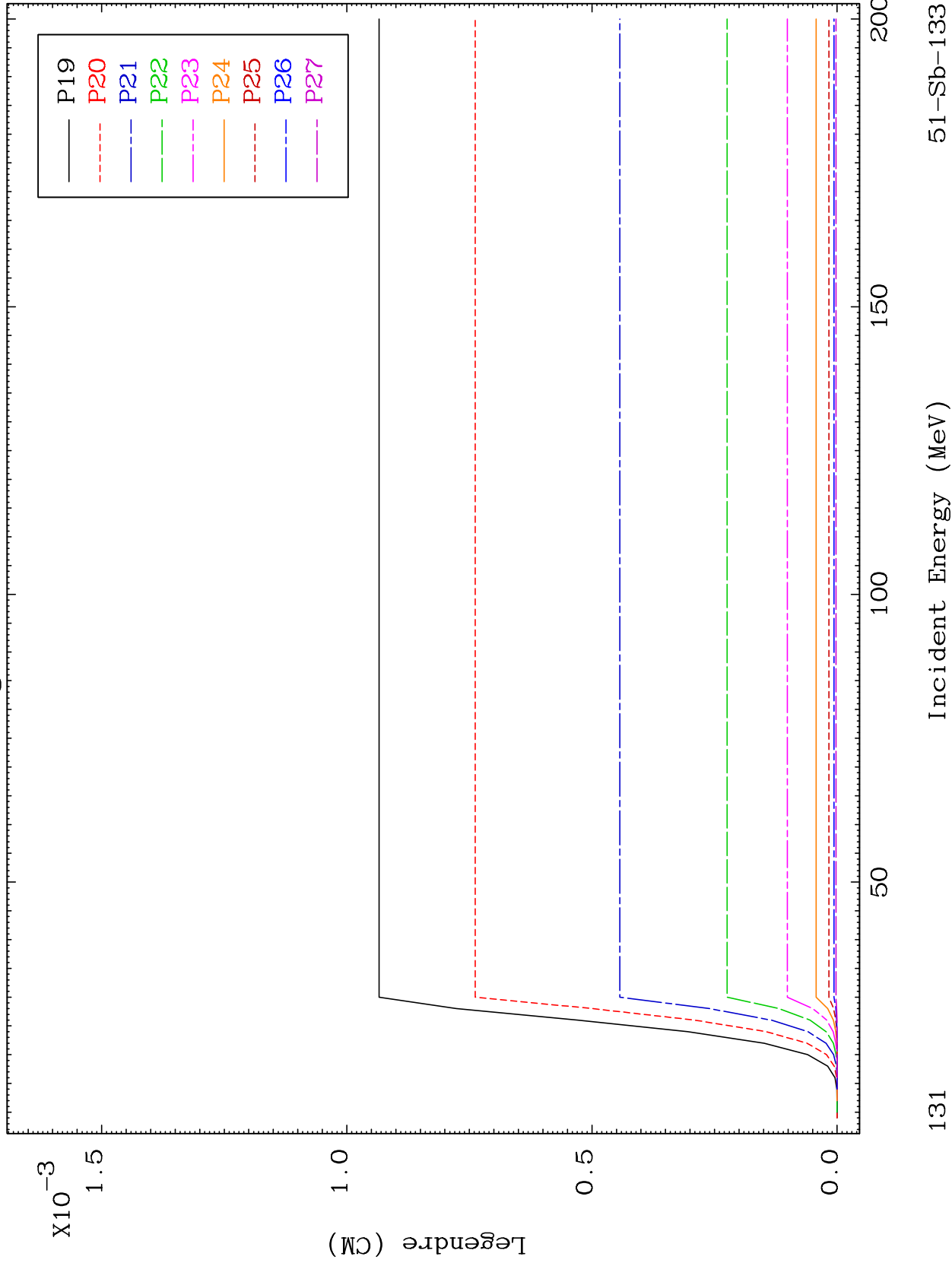




MAT 5161

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

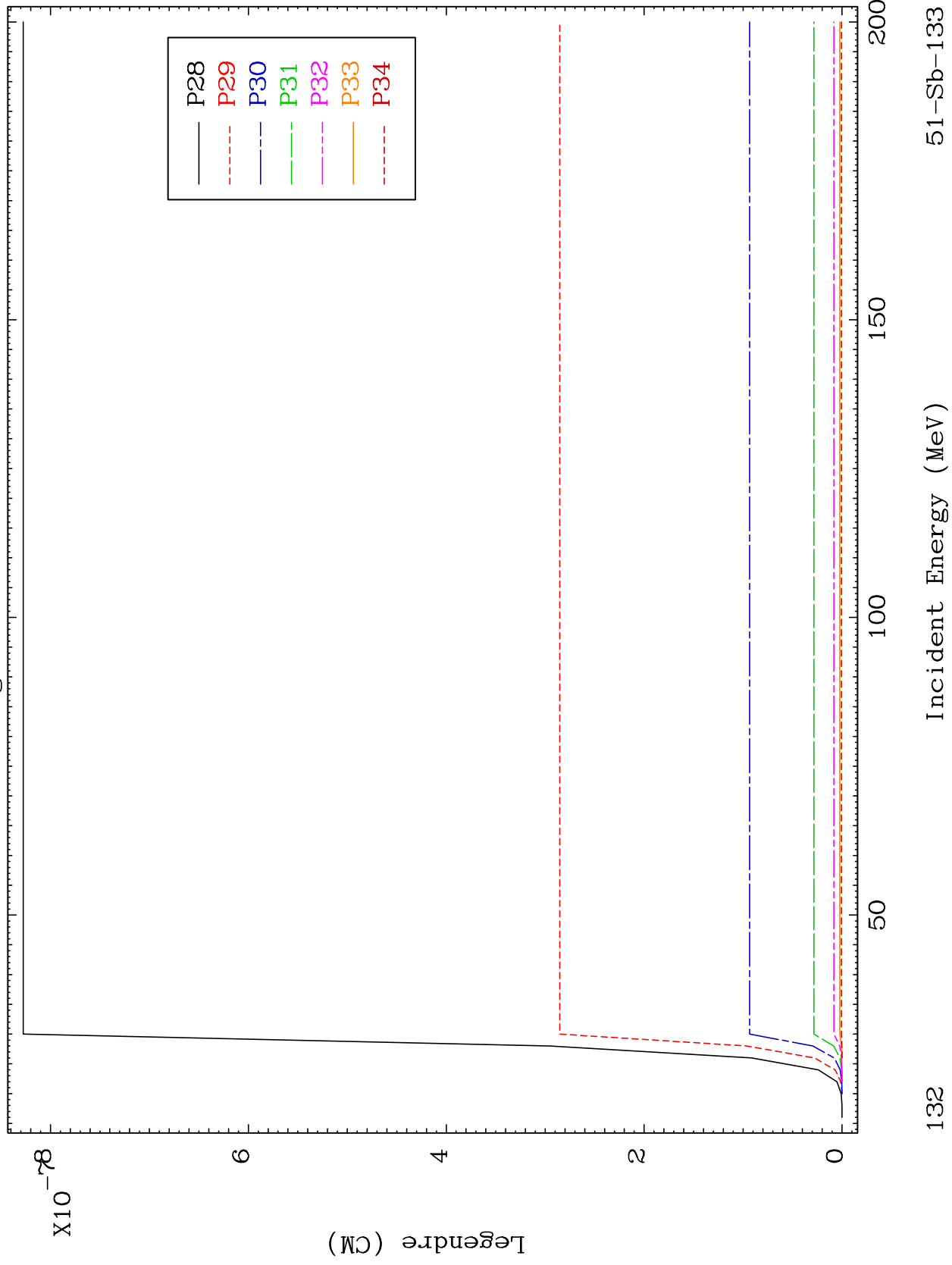
51-Sb-133



MAT 5161

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

51-Sb-133



132

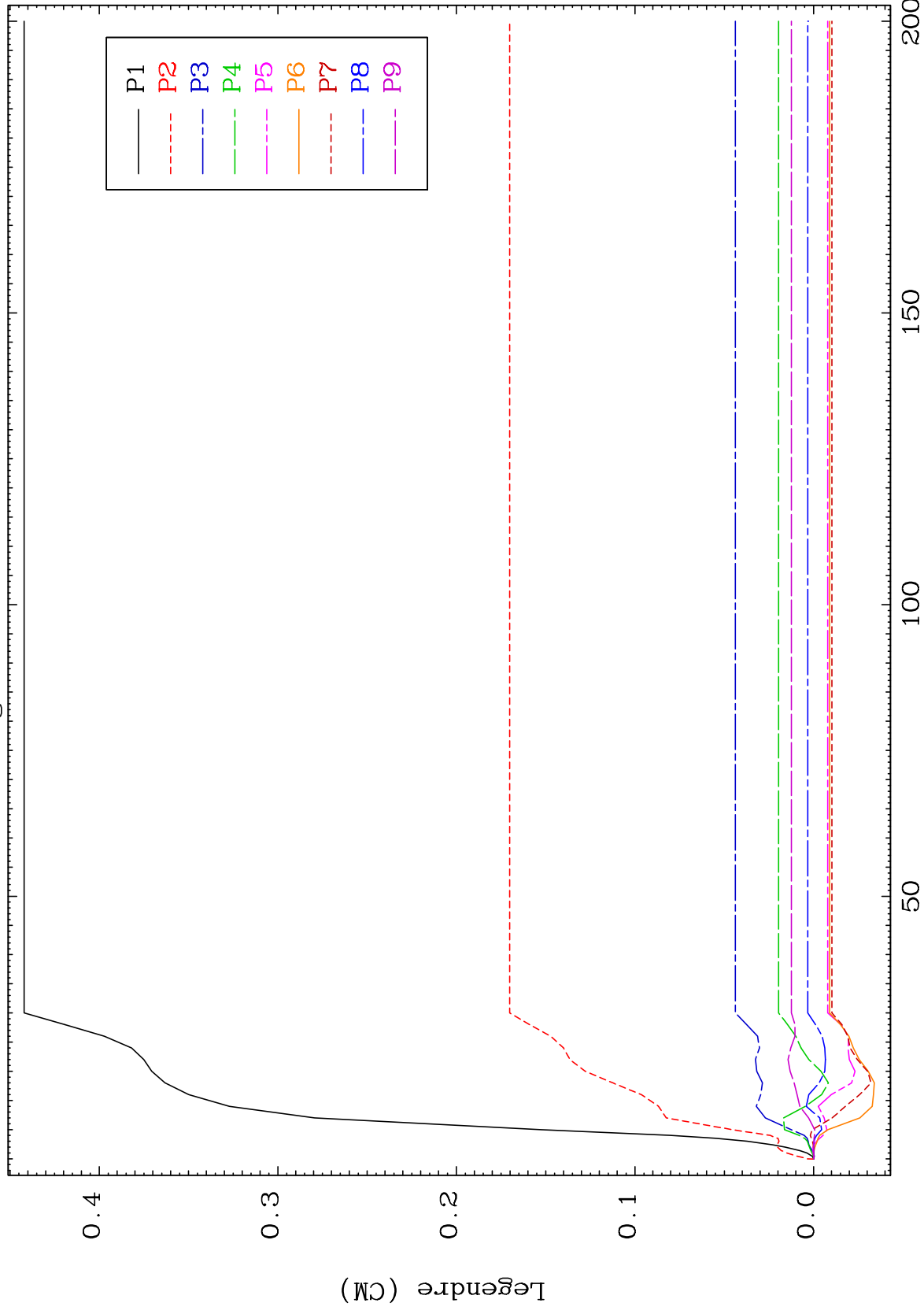
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

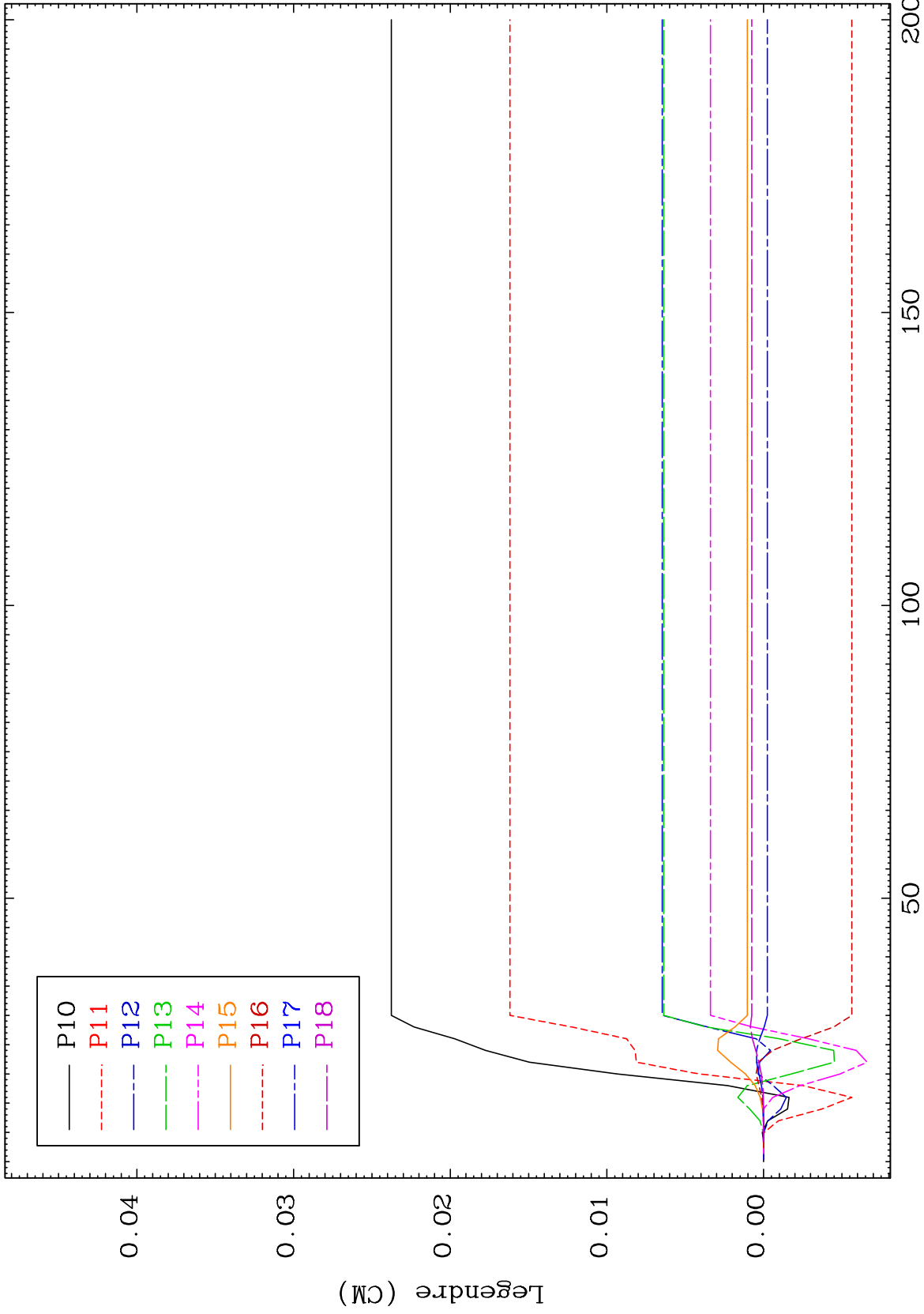
51-Sb-133



133

Incident Energy (MeV)

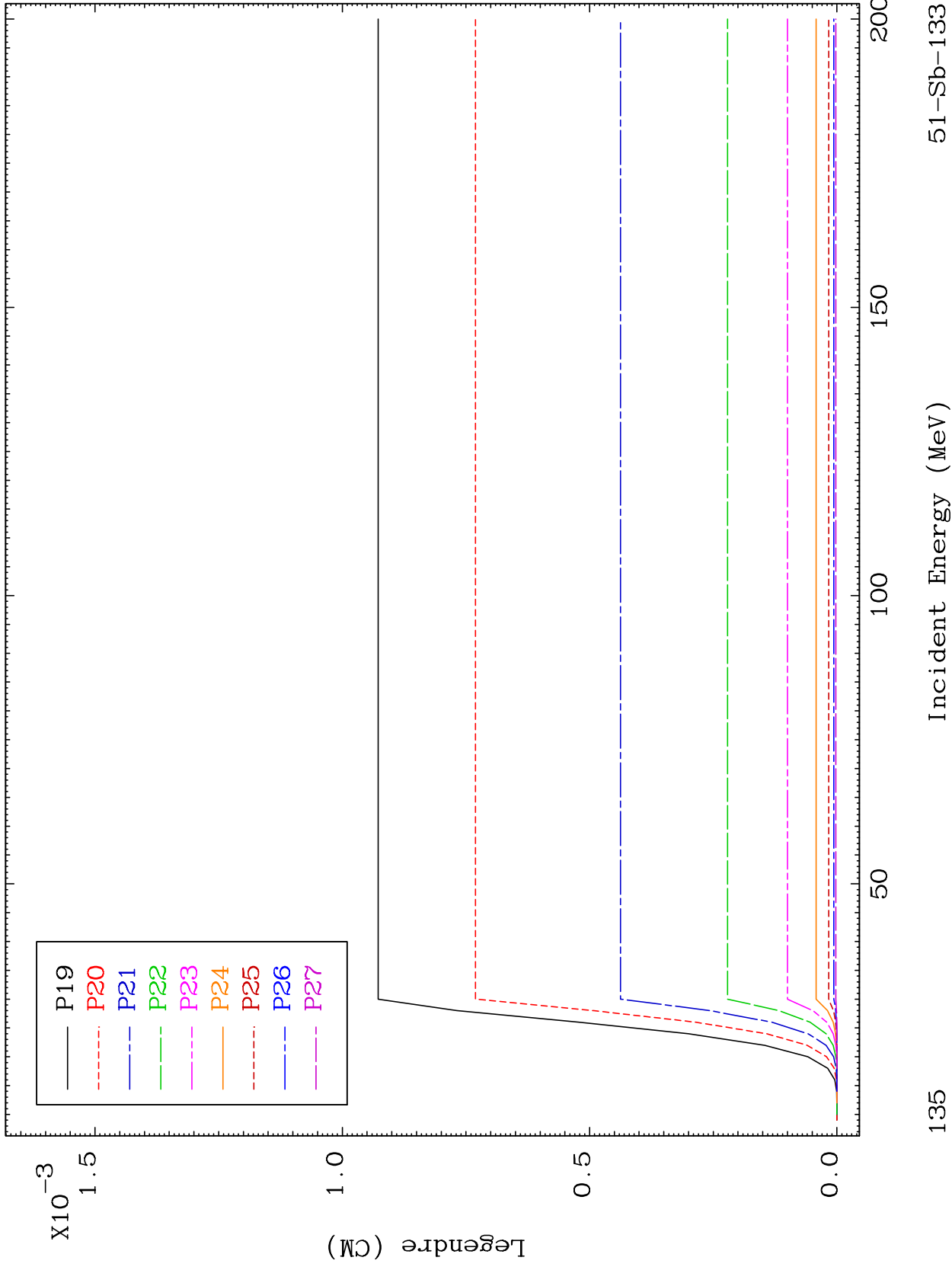
51-Sb-133



MAT 5161

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

51-Sb-133



135

Incident Energy (MeV)

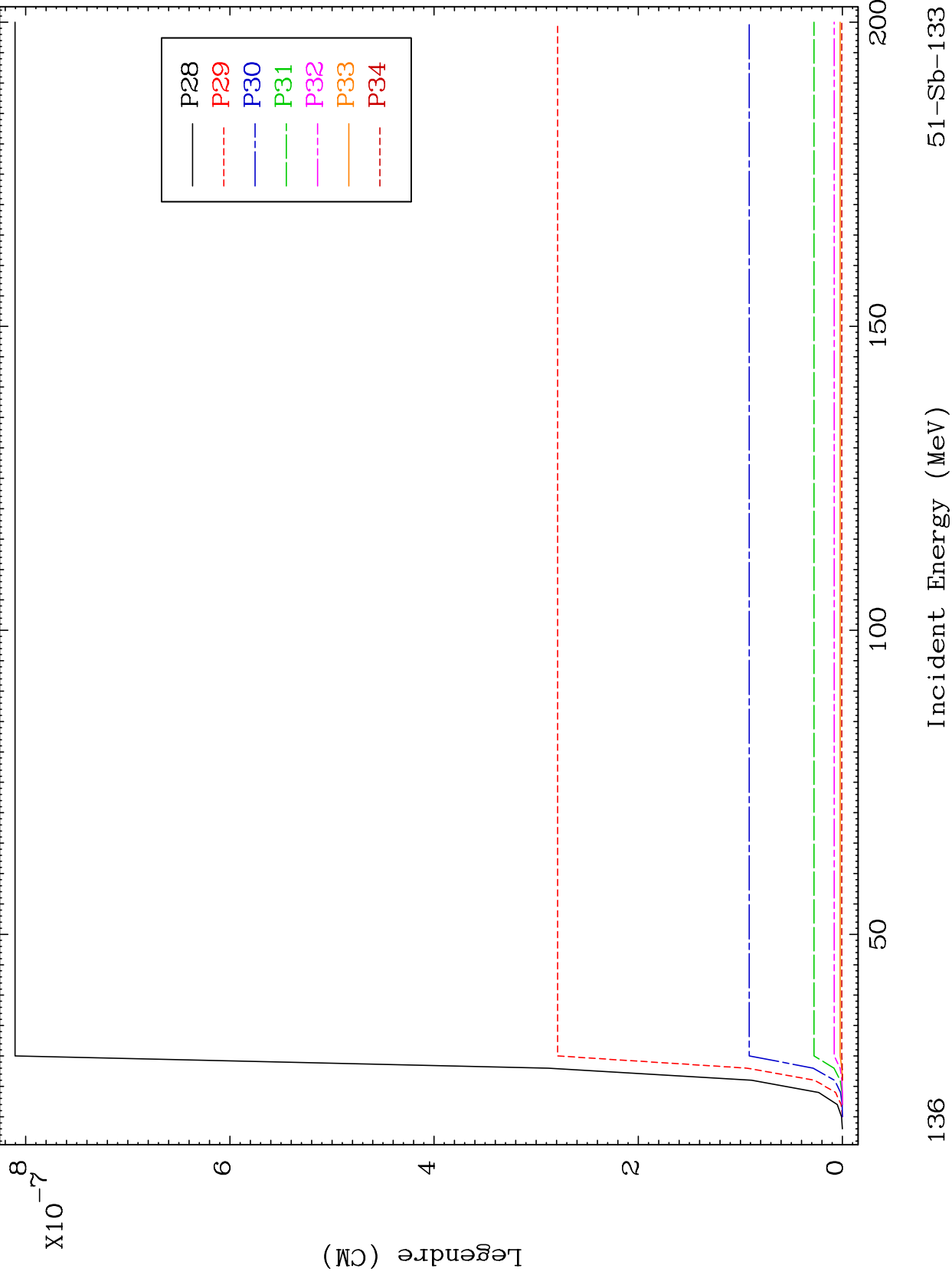
51-Sb-133



MAT 5161

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

51-Sb-133



136

Incident Energy (MeV)

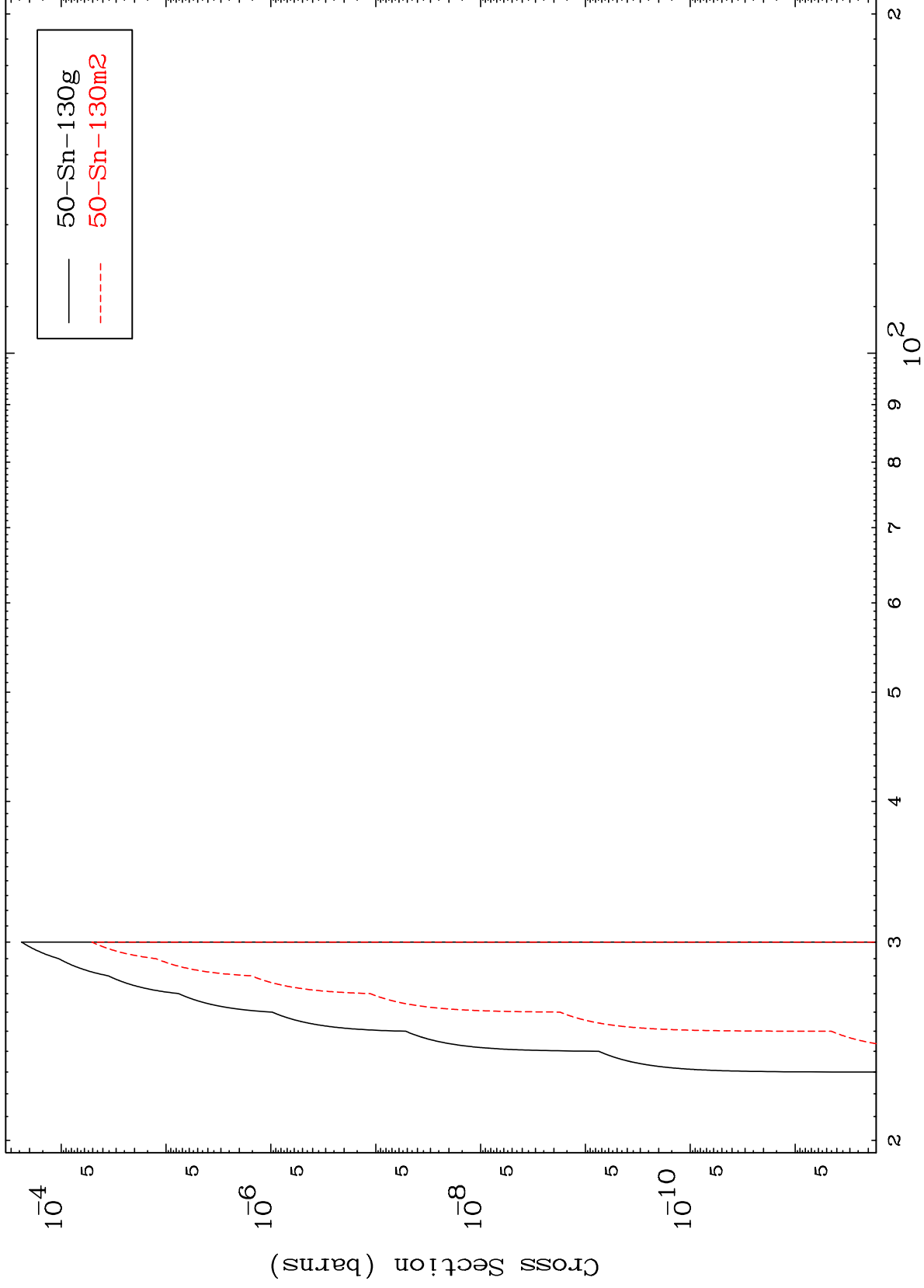
51-Sb-133

MAT 5161

(n,2n) d

51-Sb-133

Radionuclide Production Cross Section



137

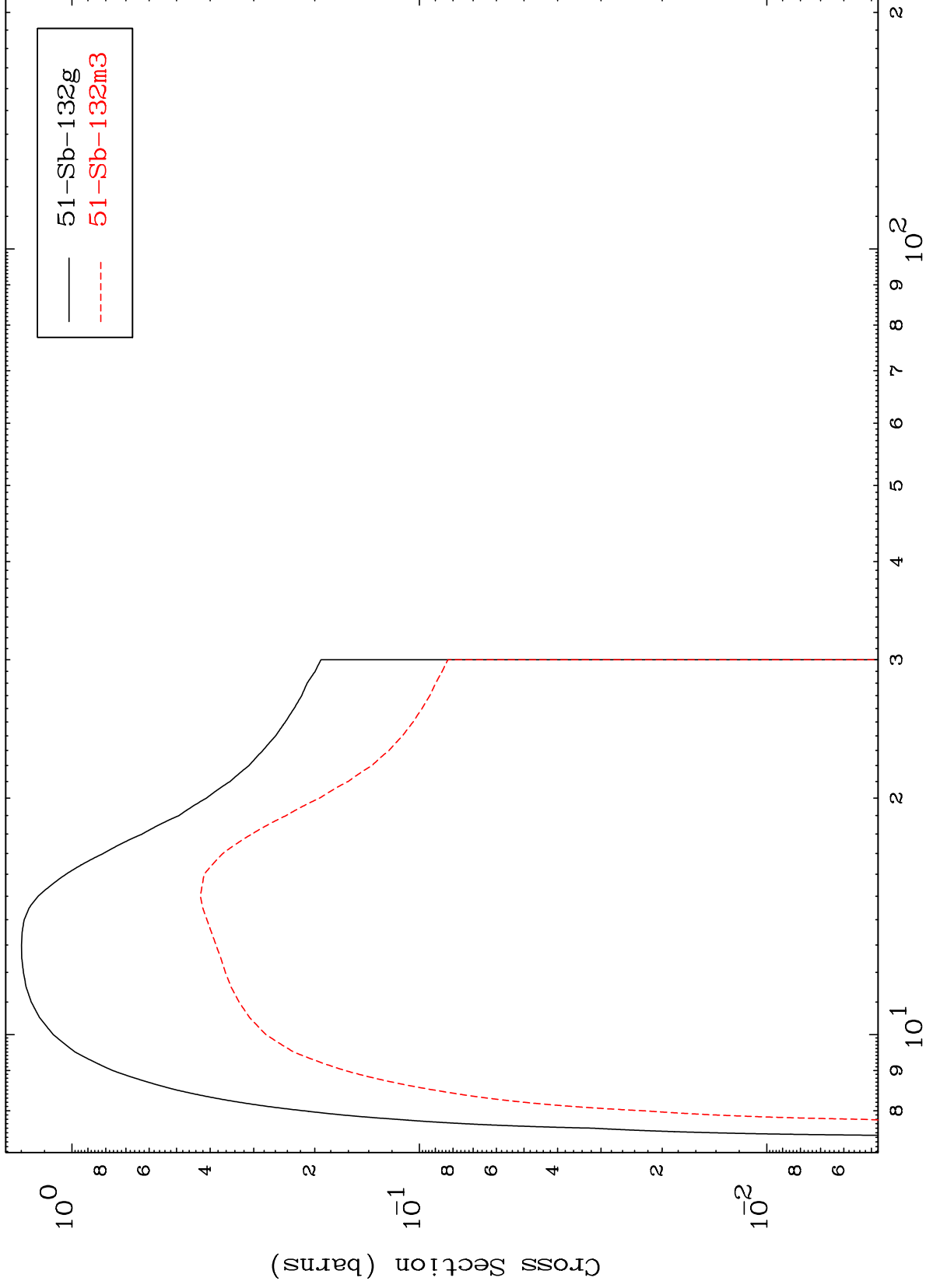
Incident Energy (MeV)

51-Sb-133

MAT 5161

51-Sb-133

(n,2n)  
Radionuclide Production Cross Section



138

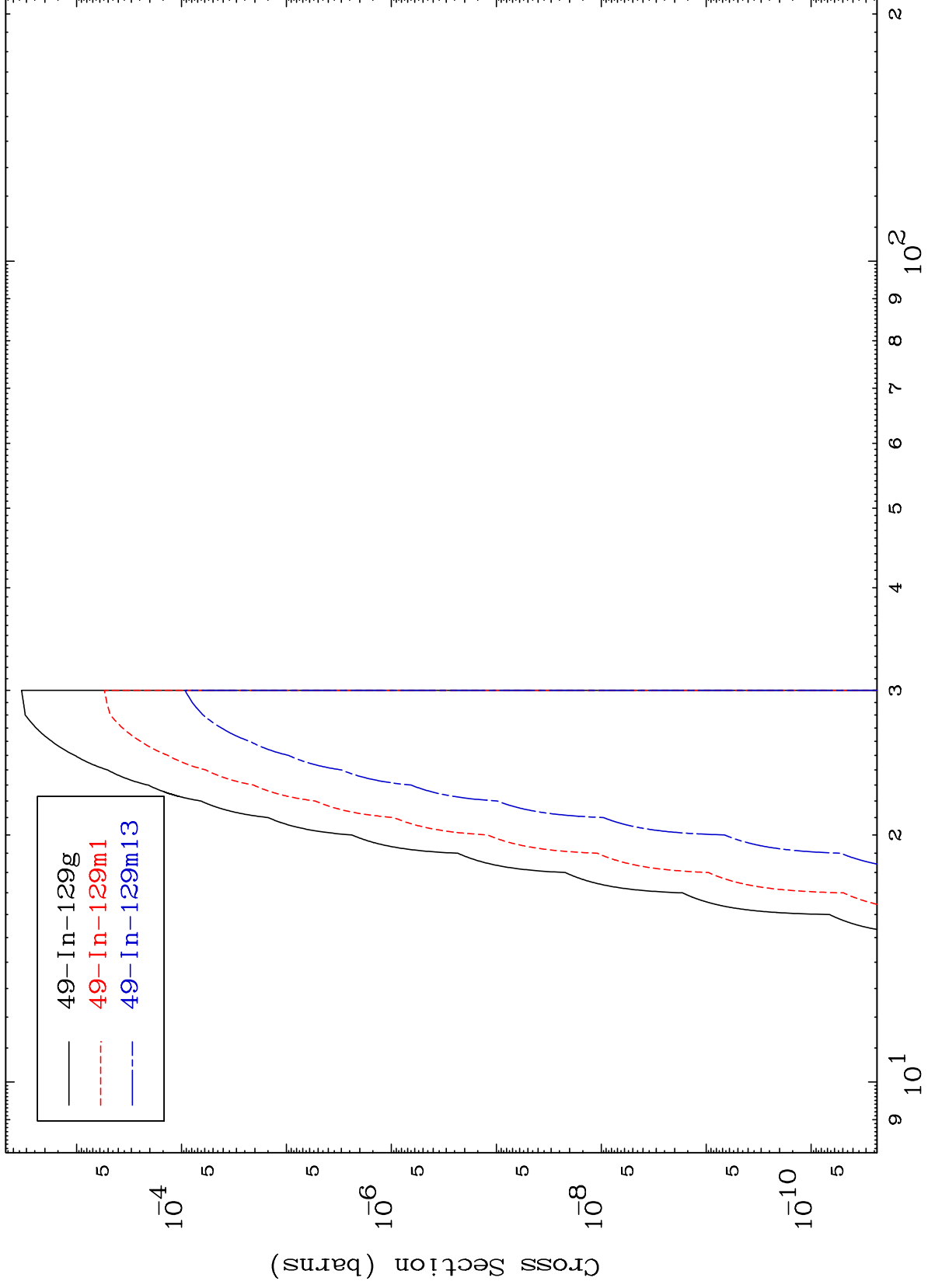
Incident Energy (MeV)

51-Sb-133

MAT 5161

51-Sb-133

(n,n')  $\alpha$   
Radionuclide Production Cross Section



49-In-129g  
49-In-129m1  
49-In-129m13

51-Sb-133

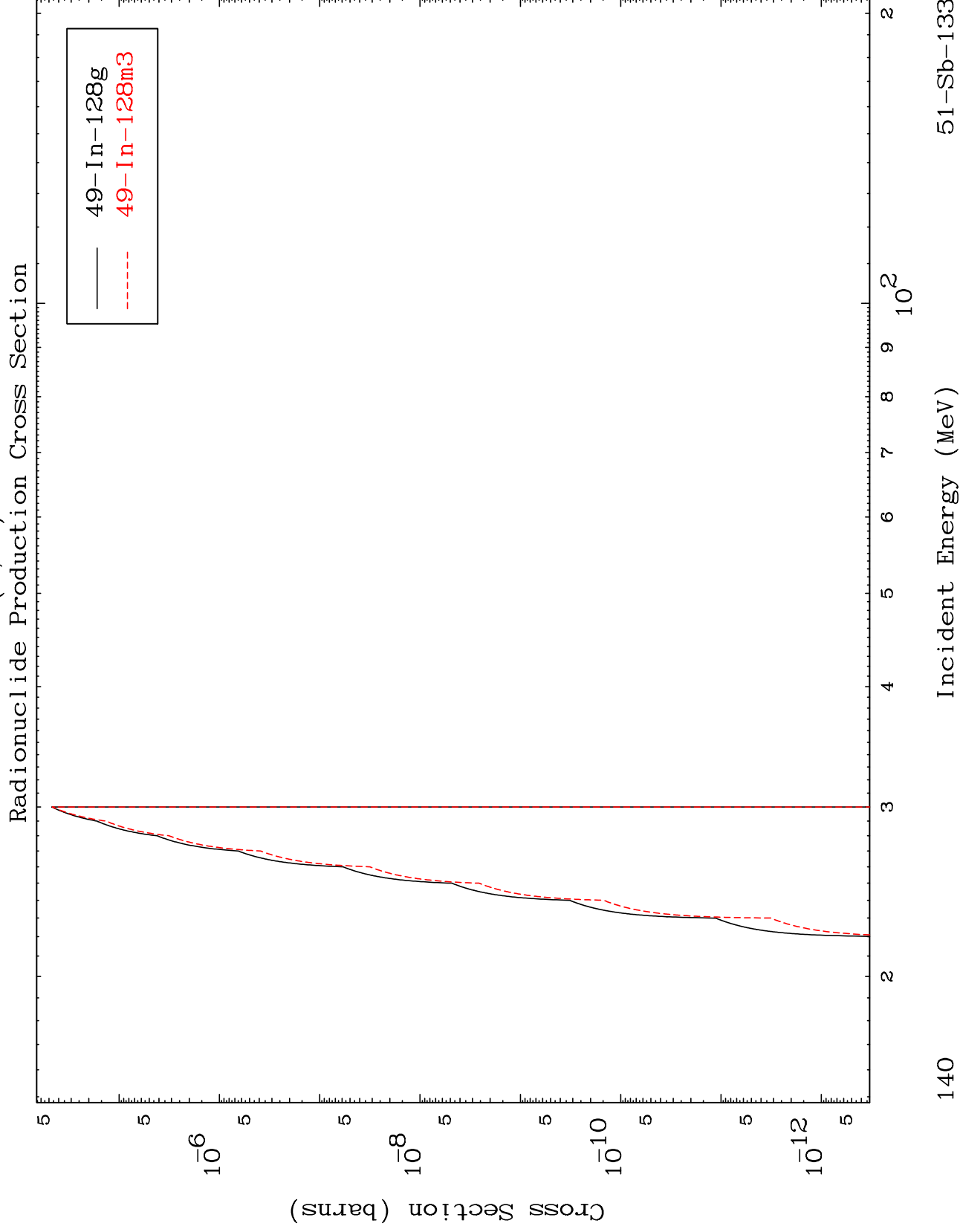
Incident Energy (MeV)

139

MAT 5161

(n,2n)  $\alpha$

51-Sb-133



140

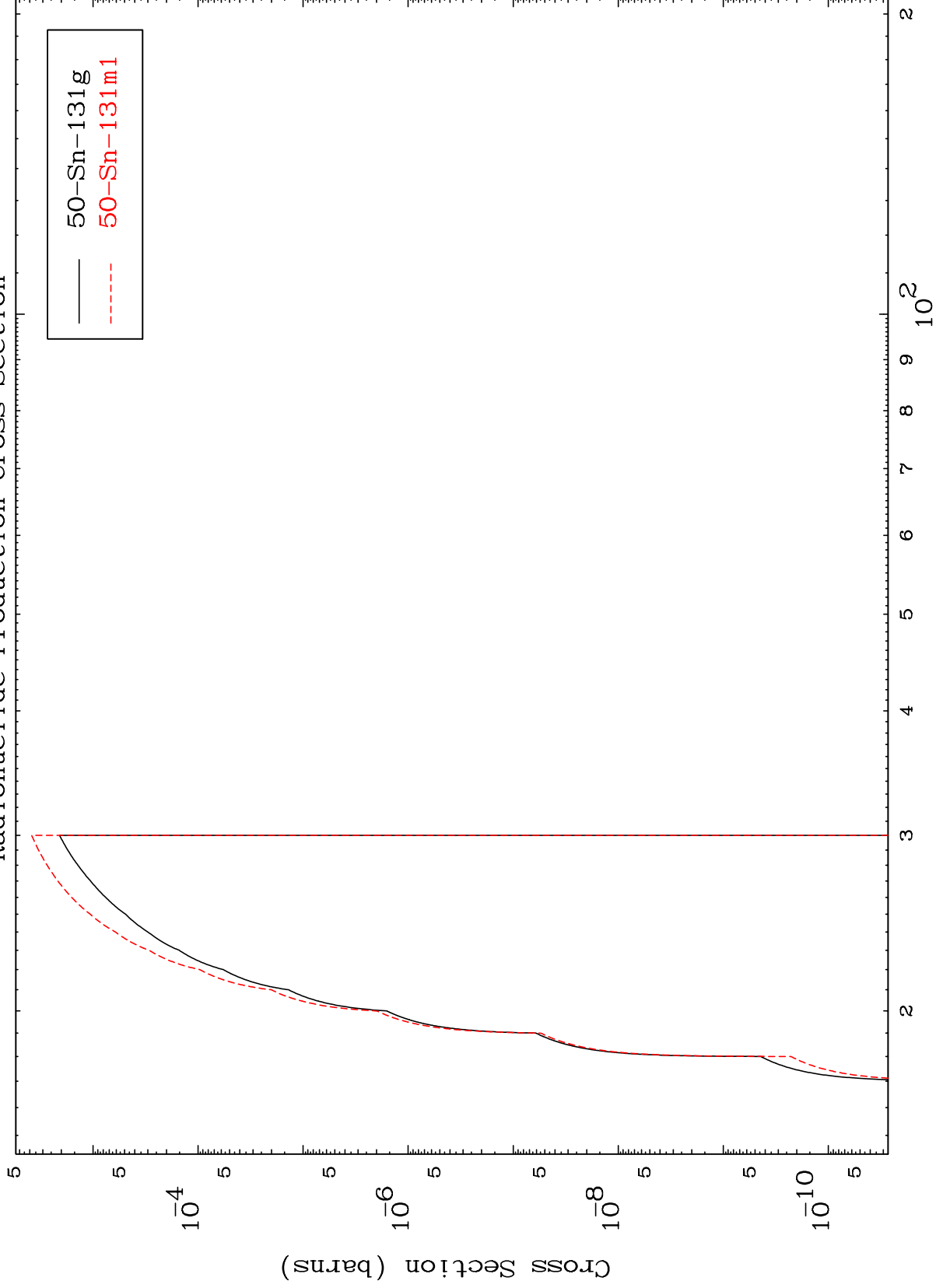
51-Sb-133

MAT 5161

(n,n') d

51-Sb-133

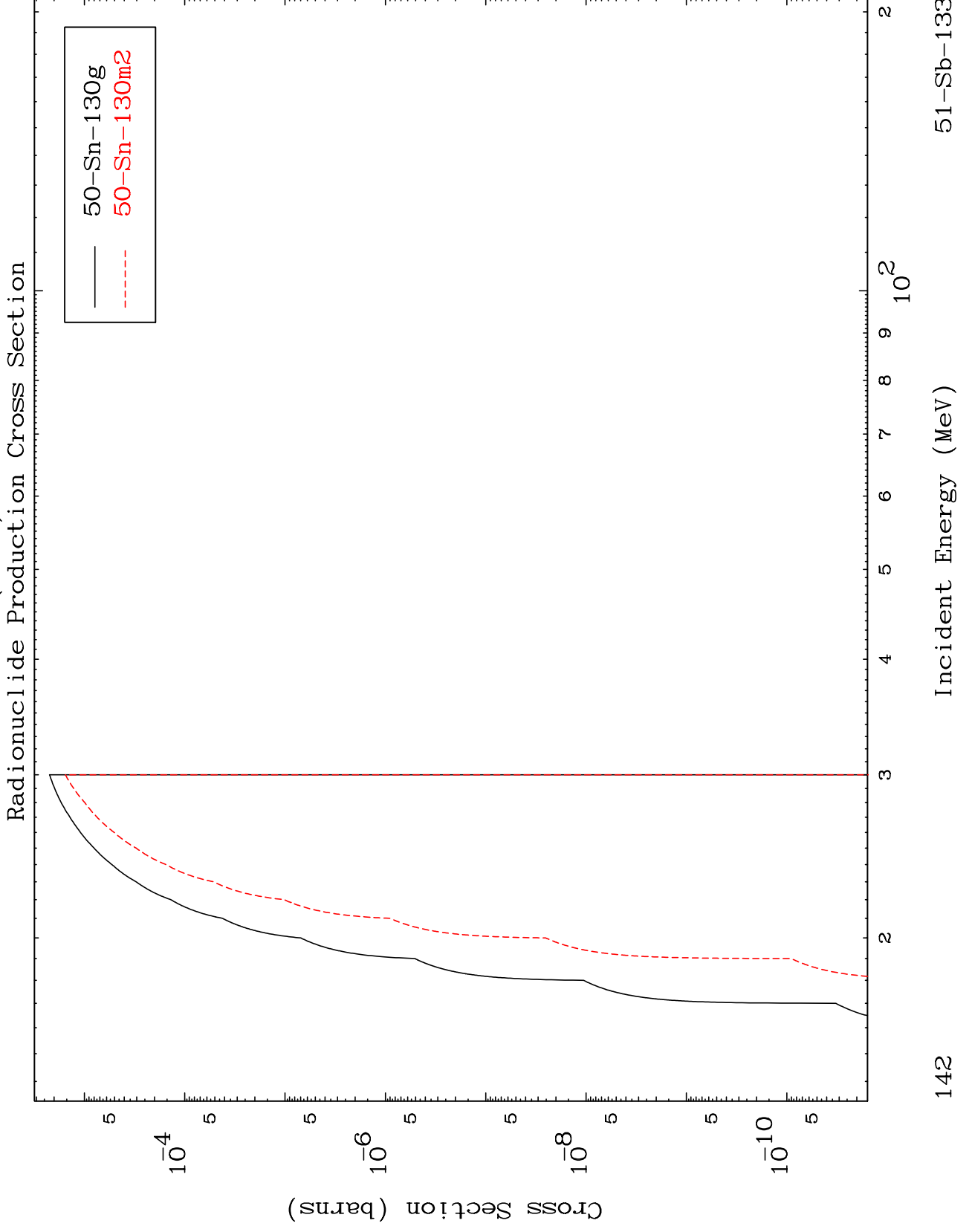
Radionuclide Production Cross Section



141

Incident Energy (MeV)

51-Sb-133

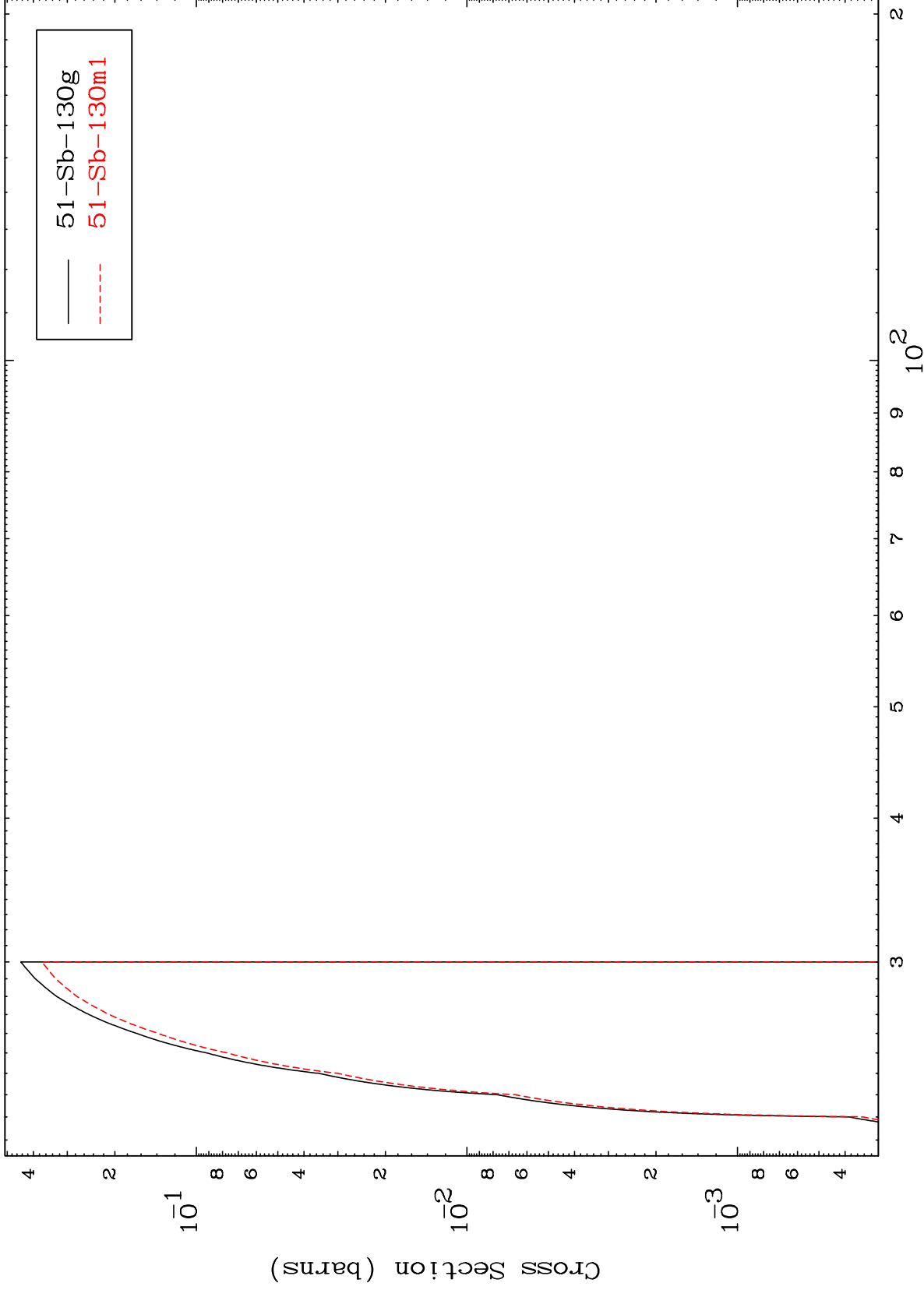


MAT 5161

(n,4n)

51-Sb-133

Radionuclide Production Cross Section



143

Incident Energy (MeV)

51-Sb-133

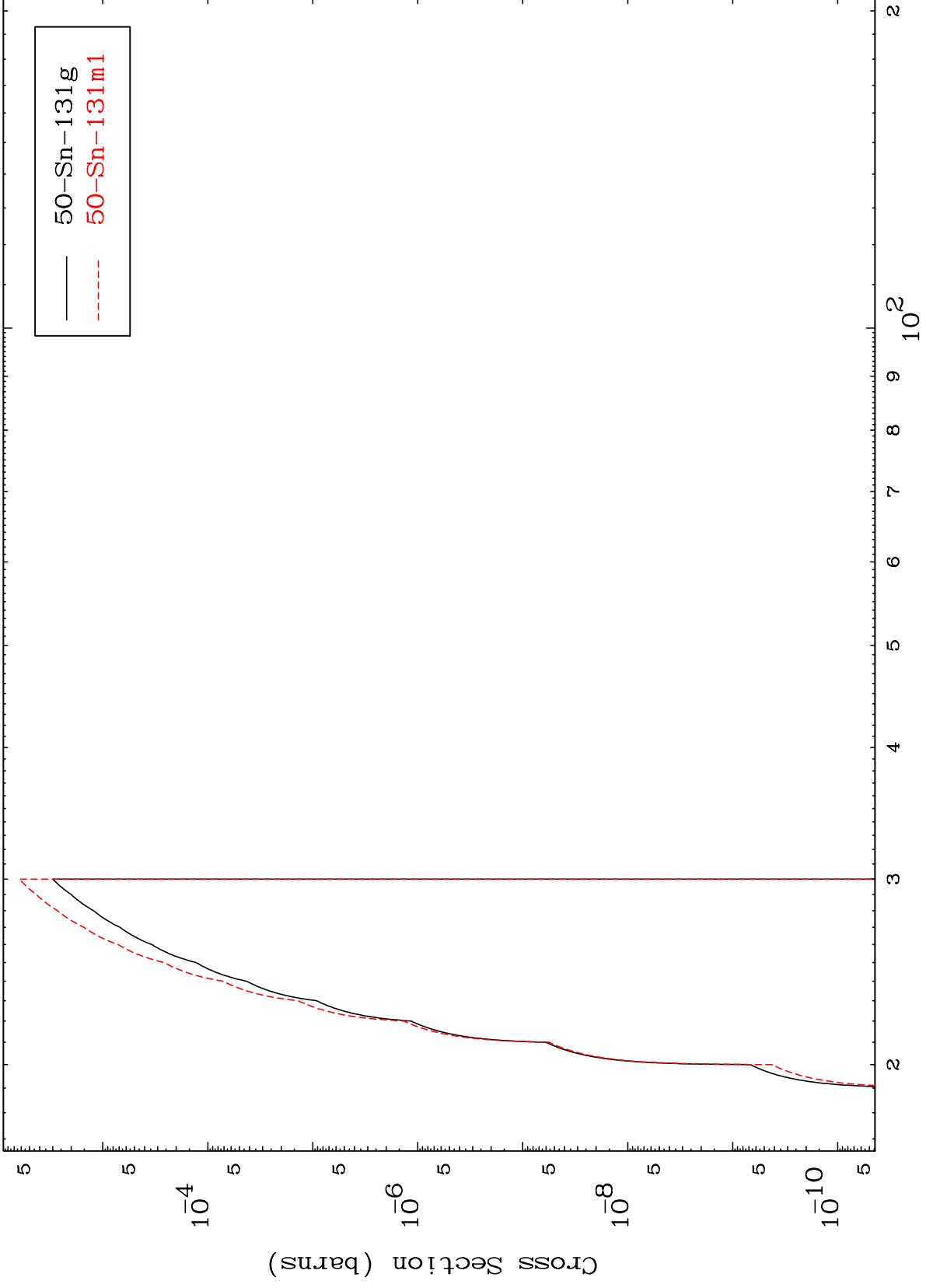


MAT 5161

(n,2n) p

51-Sb-133

Radionuclide Production Cross Section



144

Incident Energy (MeV)

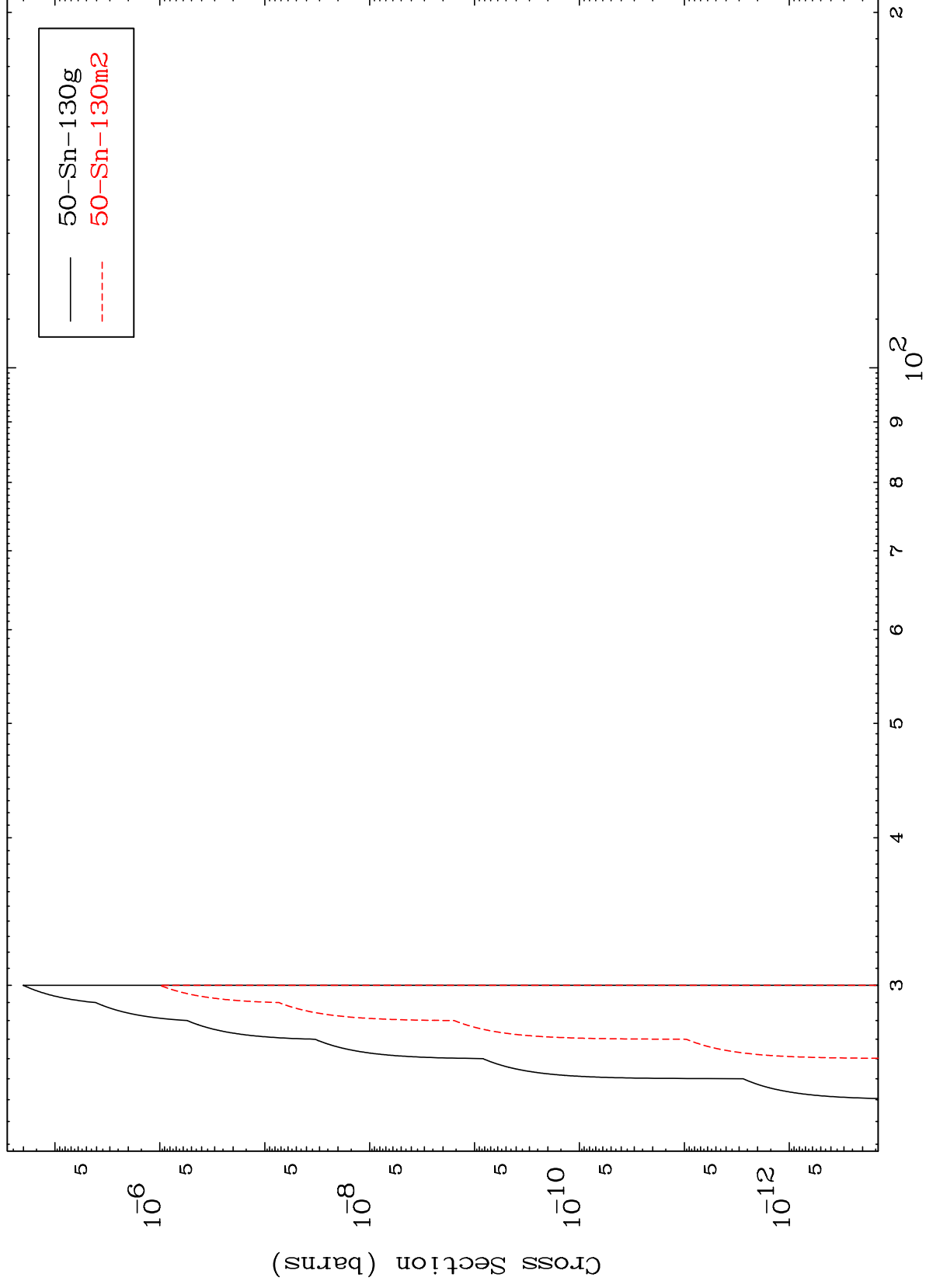
51-Sb-133

MAT 5161

(n,3n) p

51-Sb-133

Radionuclide Production Cross Section



145

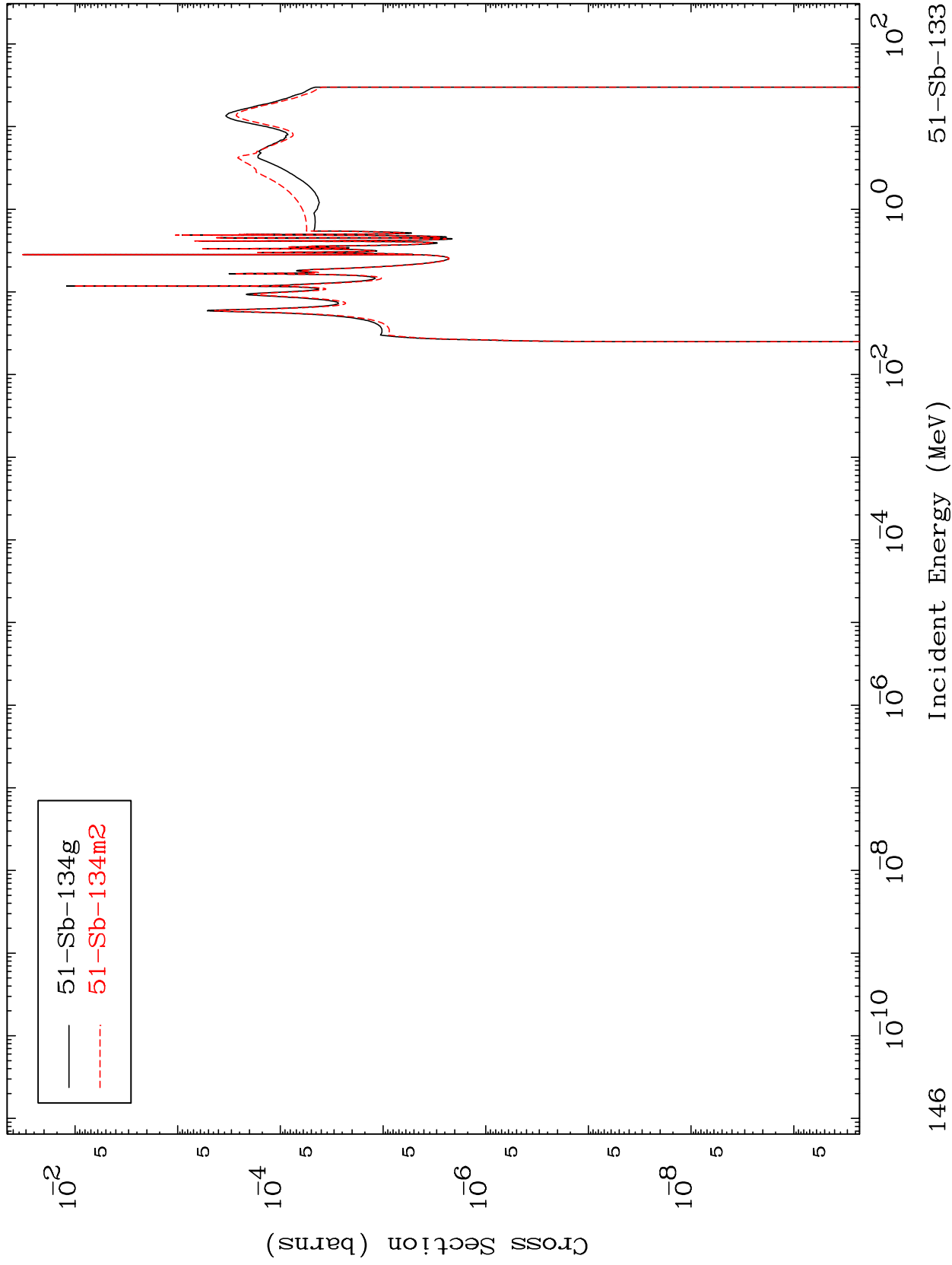
Incident Energy (MeV)

51-Sb-133

MAT 5161

51-Sb-133

(n,  $\gamma$ )  
Radionuclide Production Cross Section

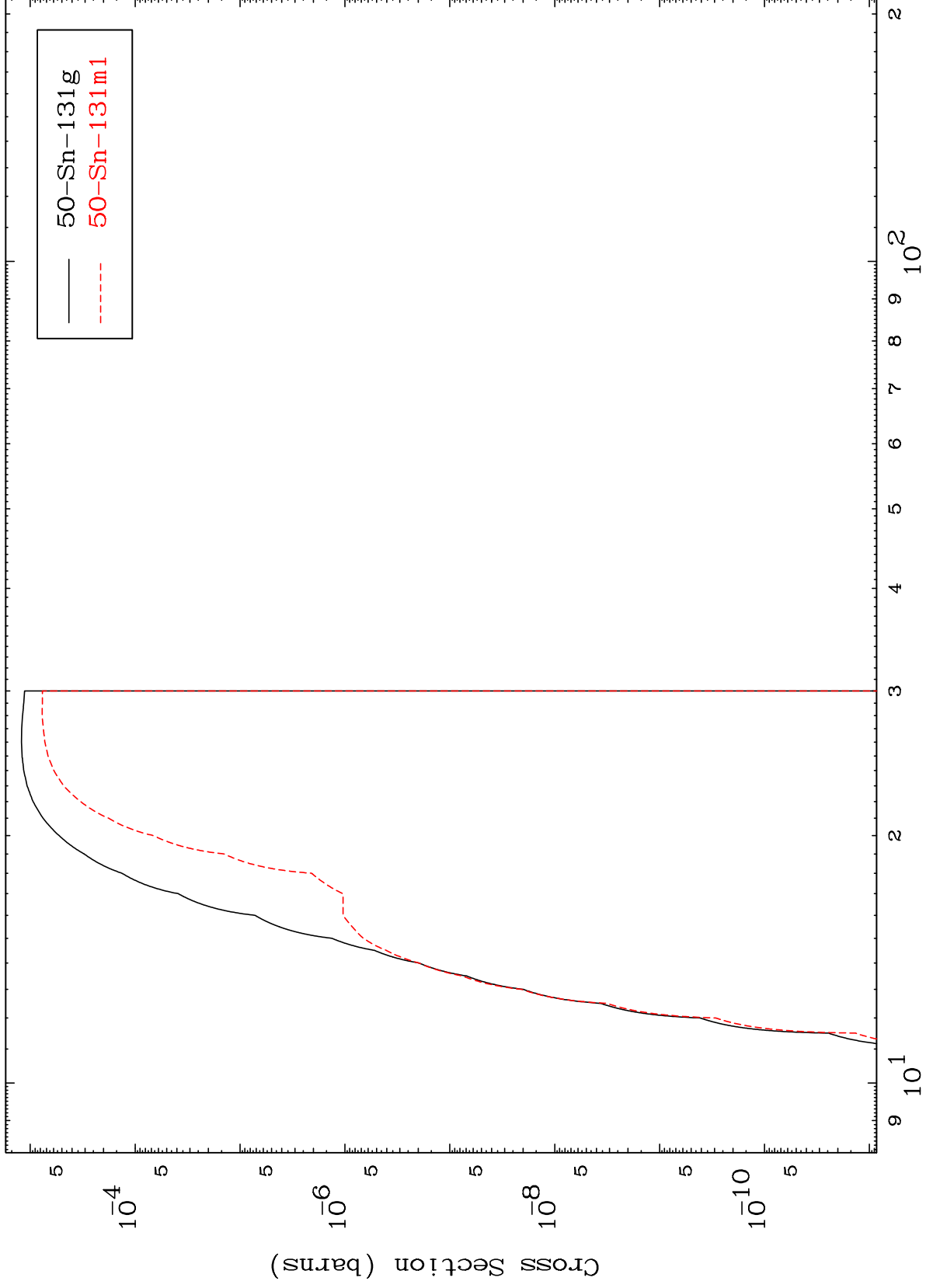


146

MAT 5161

51-Sb-133

(n,t)  
Radionuclide Production Cross Section

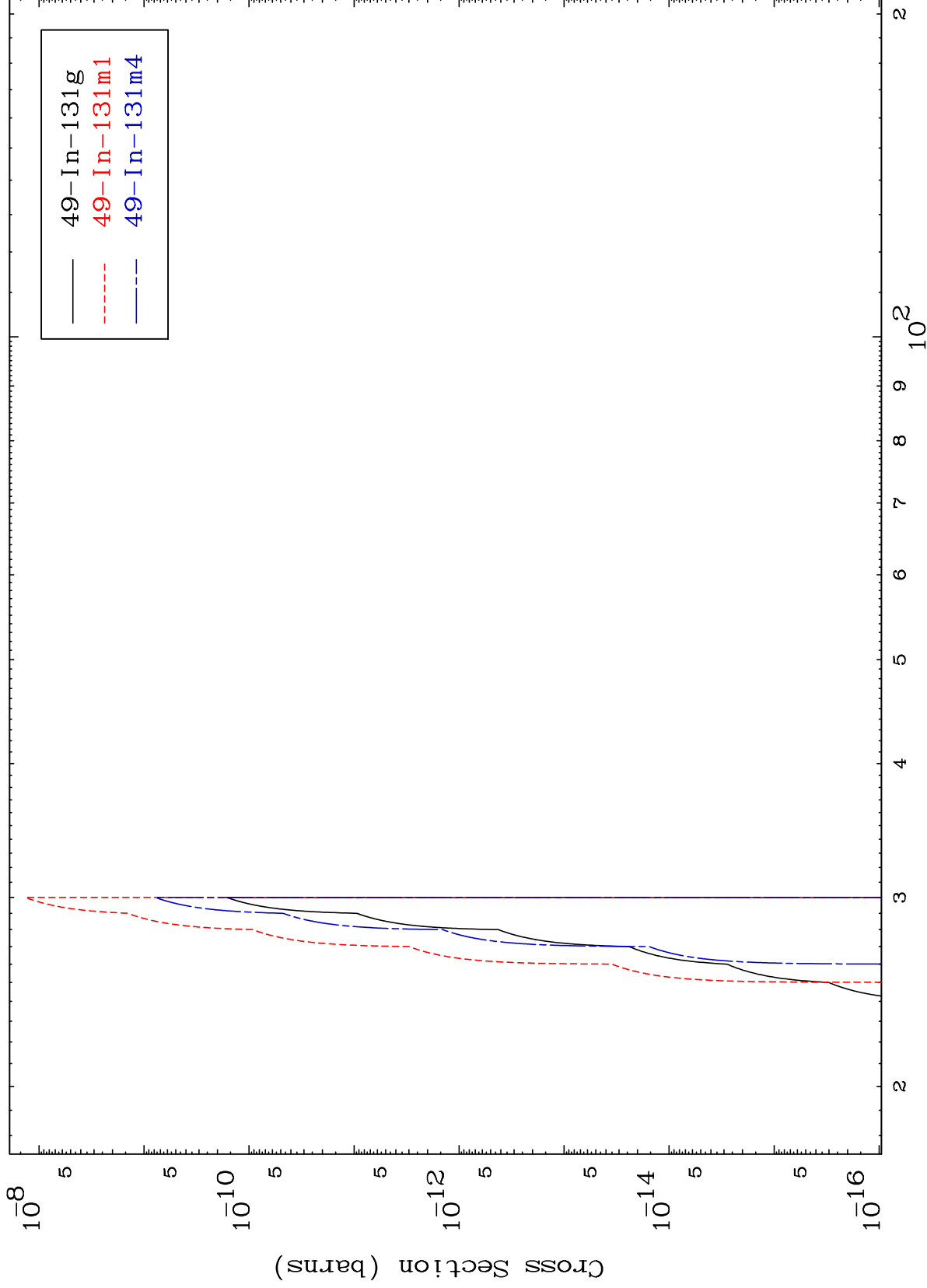


51-Sb-133

Incident Energy (MeV)

147

Radionuclide Production Cross Section



(n,α)  
Radionuclide Production Cross Section

