

Program EVALPLOT  
(Version 2021-1)

by

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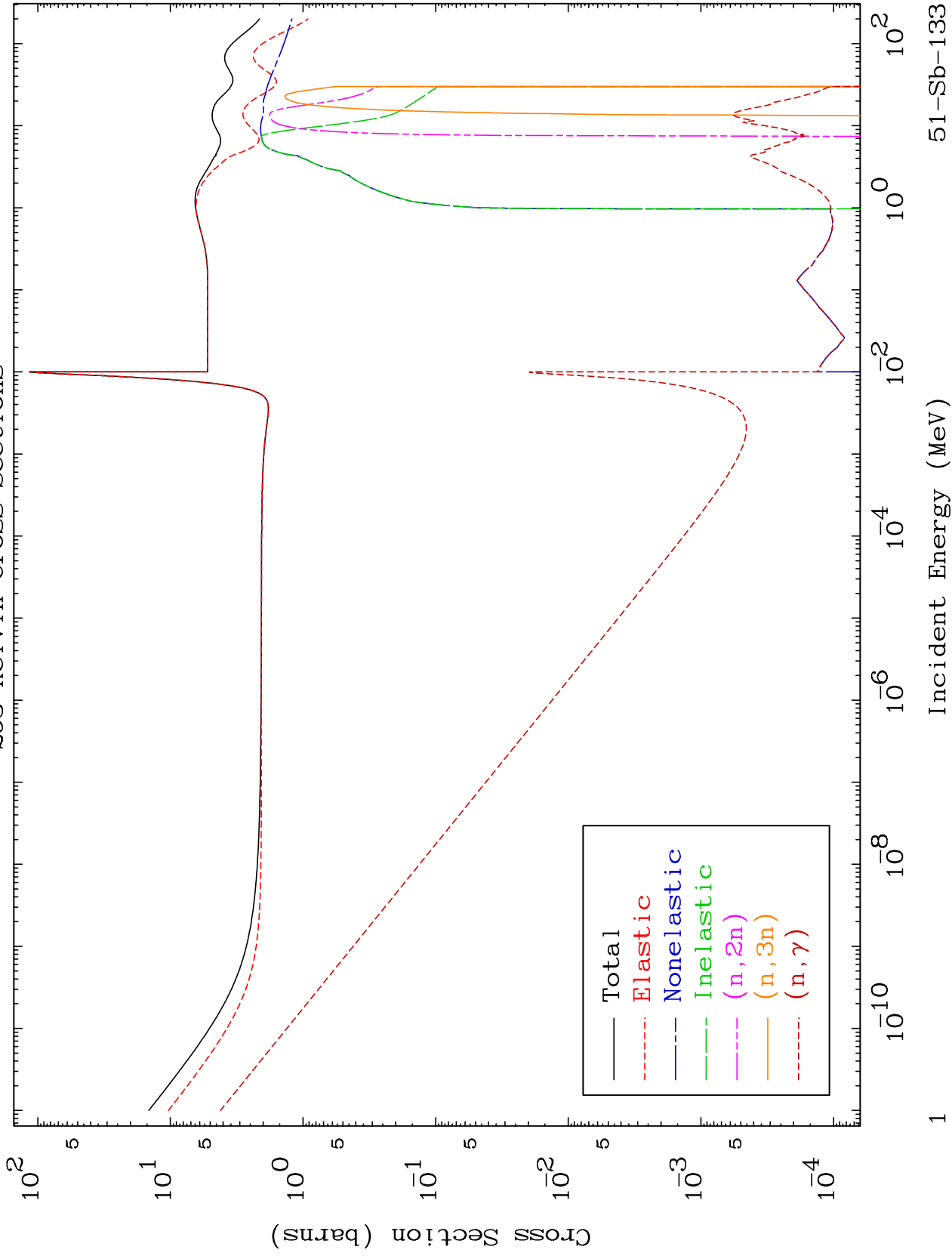
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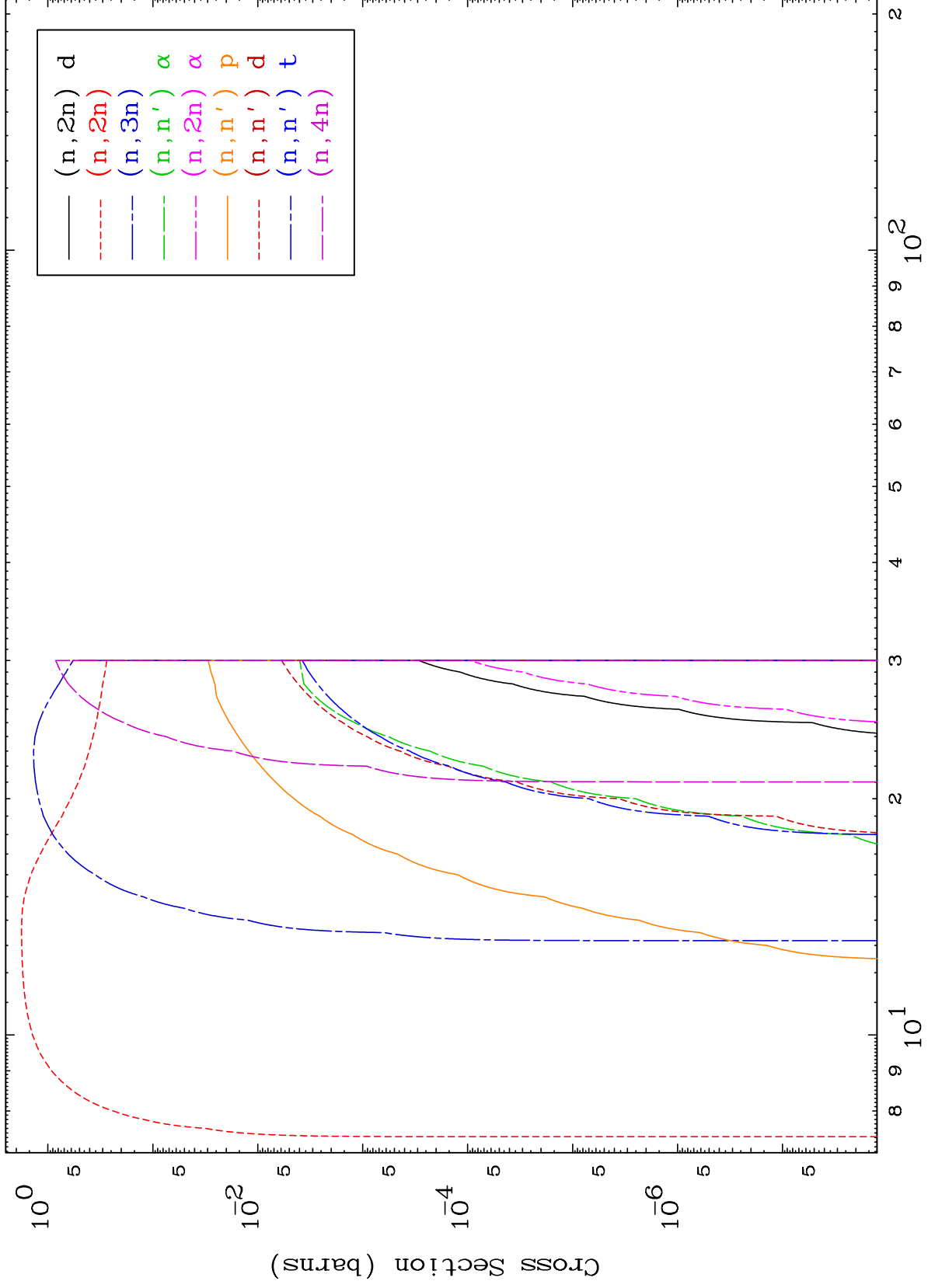
Press Mouse Button to Start

MAT 5161

Neutron Major  
293 Kelvin Cross Sections

51-Sb-133

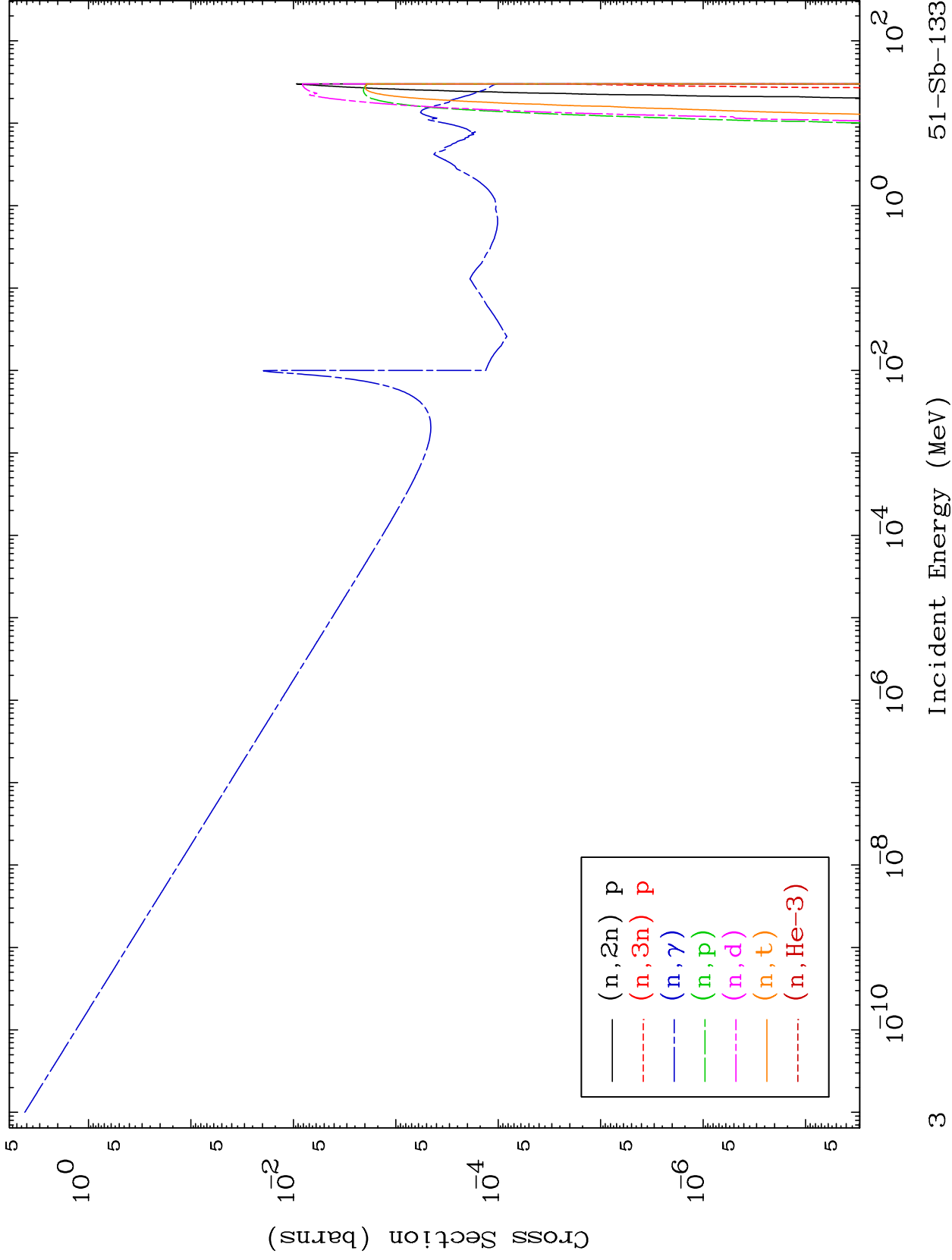


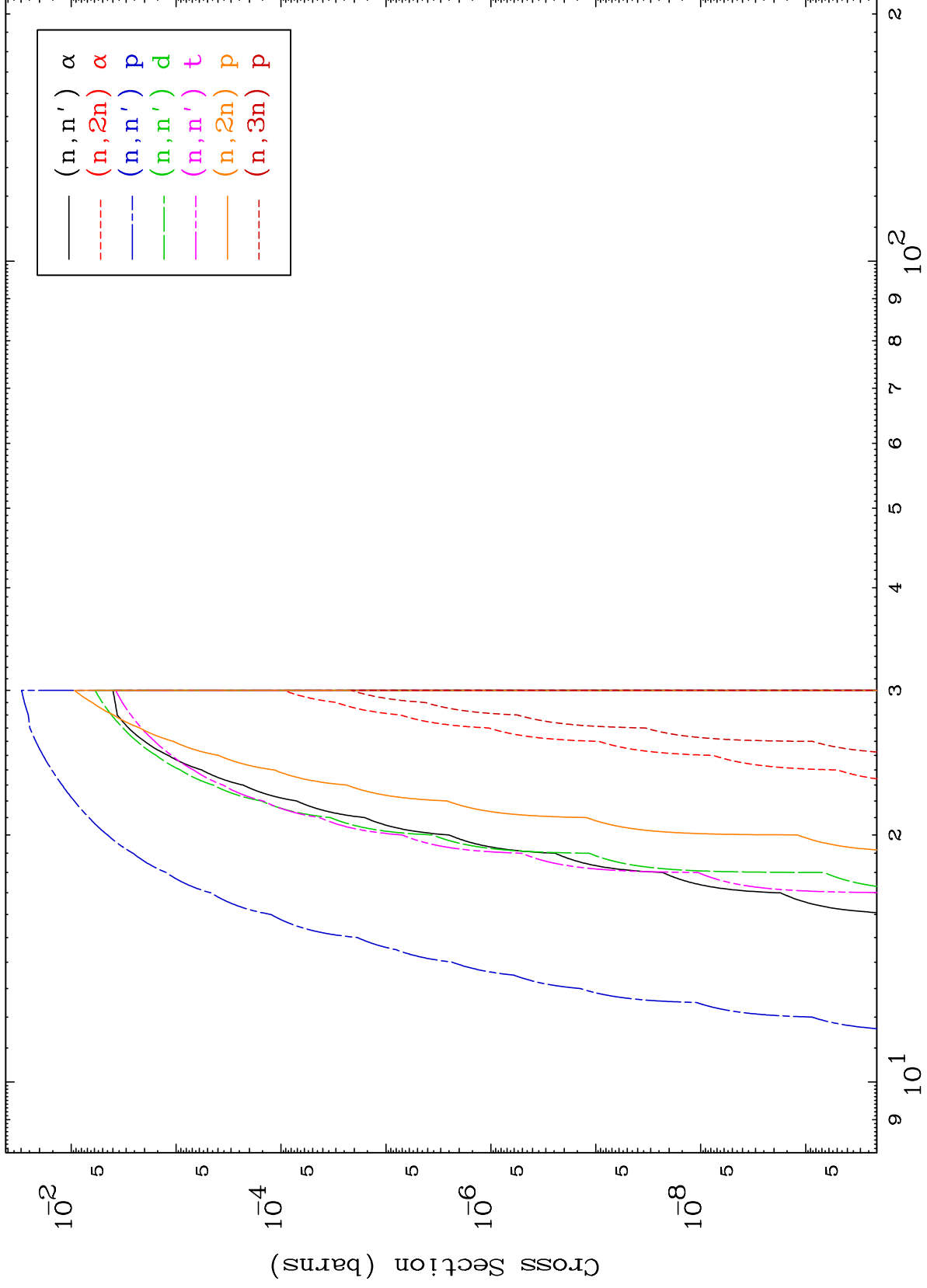


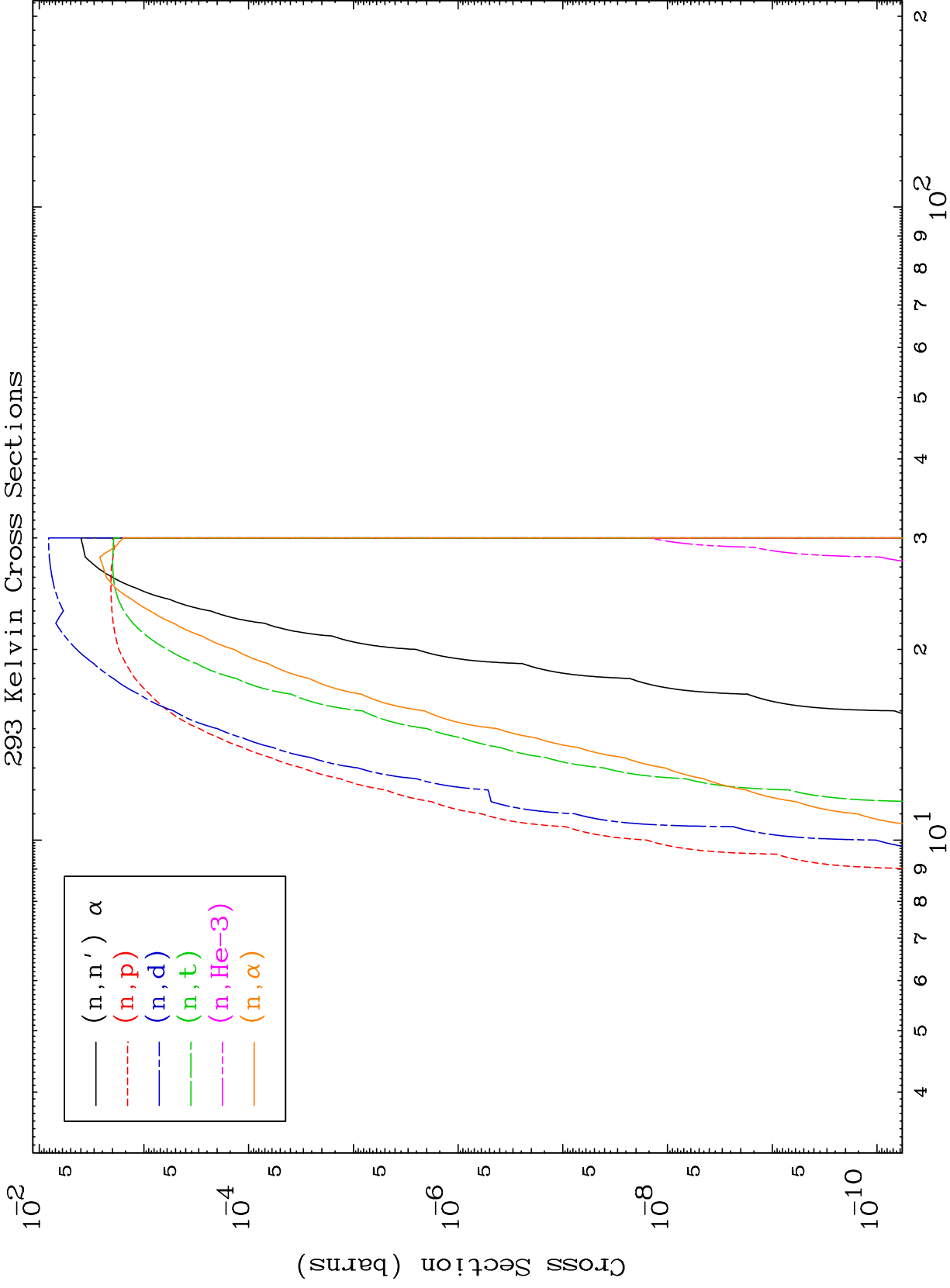
MAT 5161

Neutron Absorption  
293 Kelvin Cross Sections

51-Sb-133





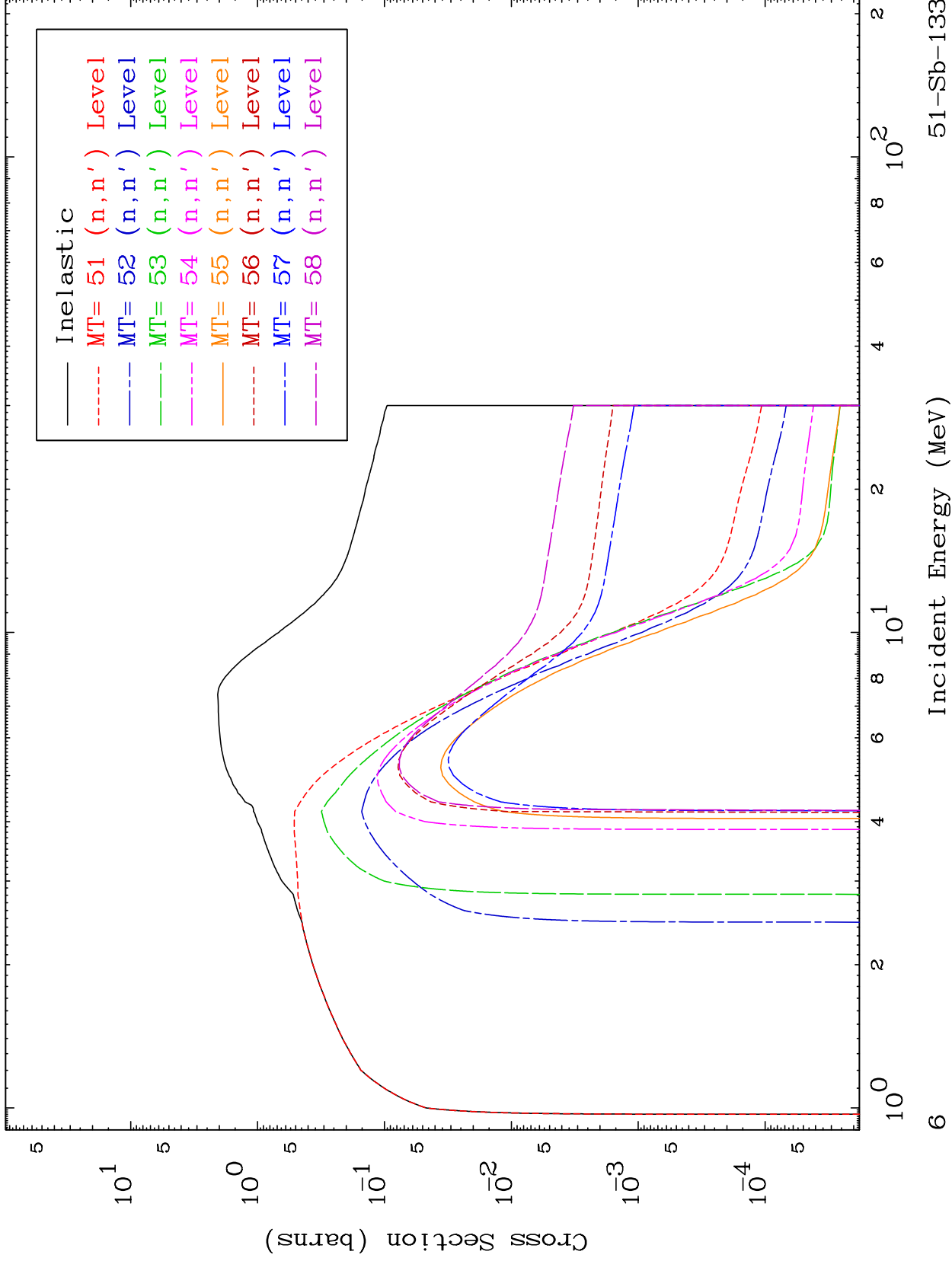


MAT 5161

(n,n') Levels

51-Sb-133

293 Kelvin Cross Sections



51-Sb-133

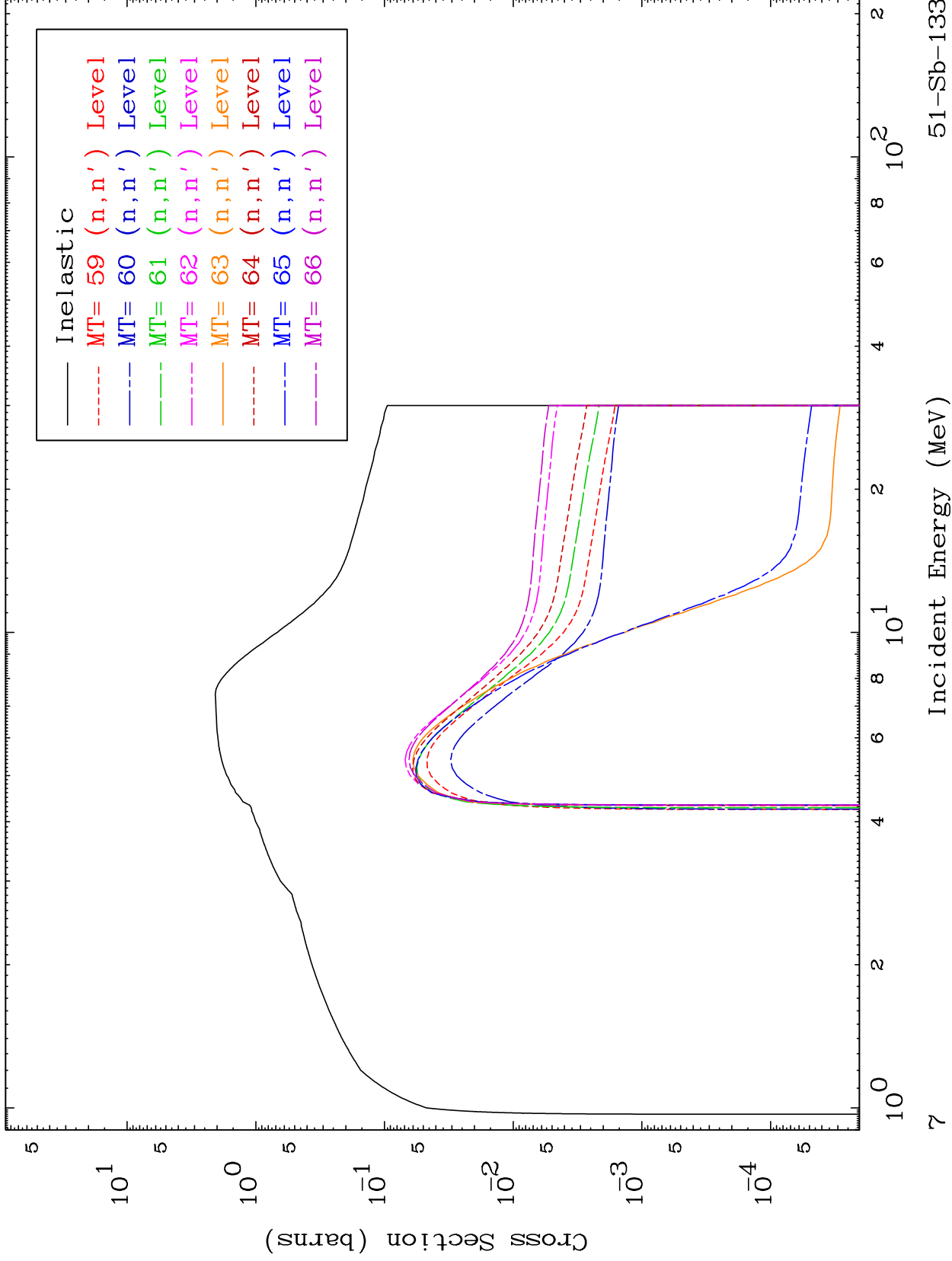
Incident Energy (MeV)

MAT 5161

(n,n') Levels

51-Sb-133

293 Kelvin Cross Sections



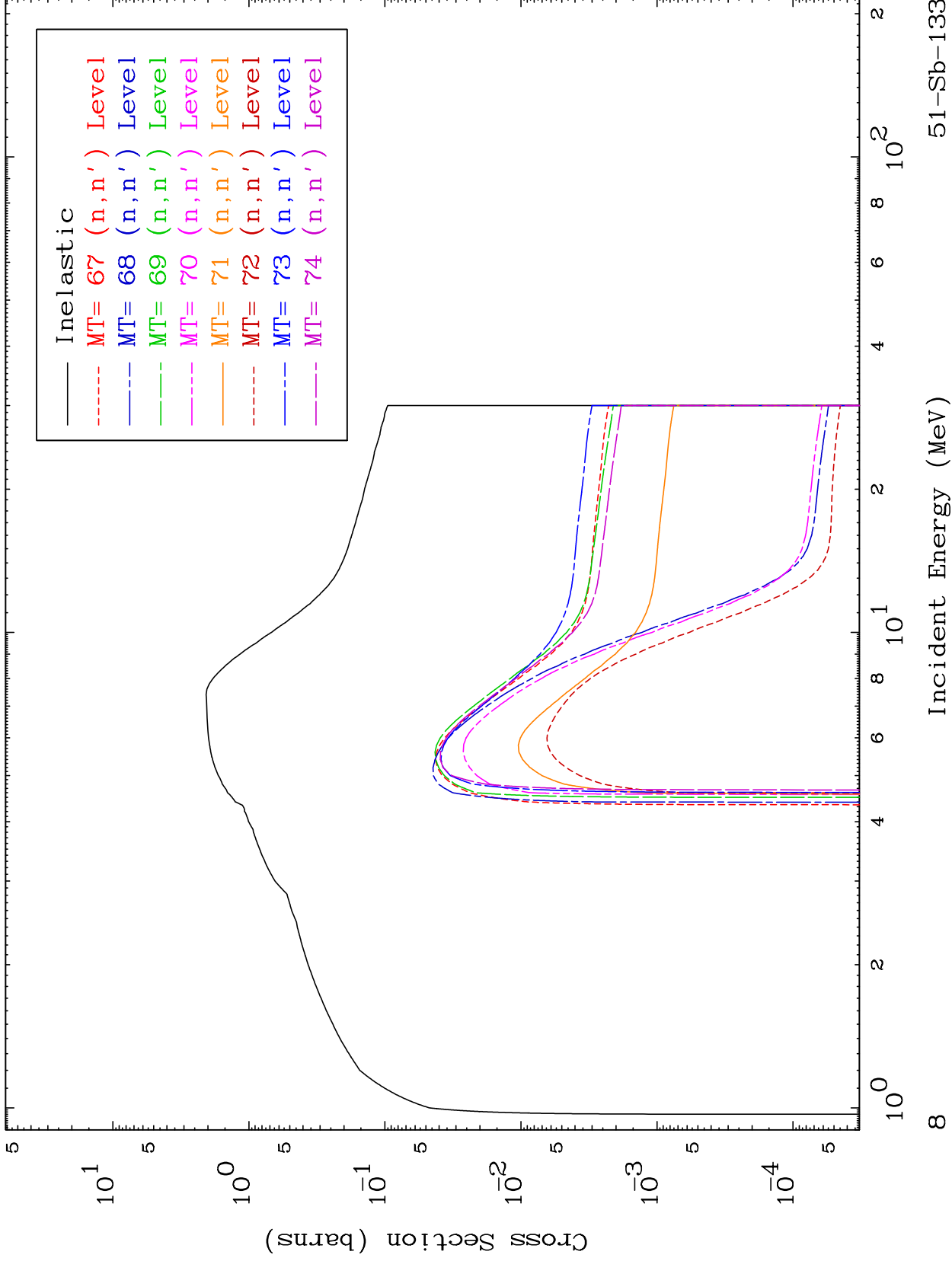


MAT 5161

(n,n') Levels

51-Sb-133

293 Kelvin Cross Sections



Incident Energy (MeV)

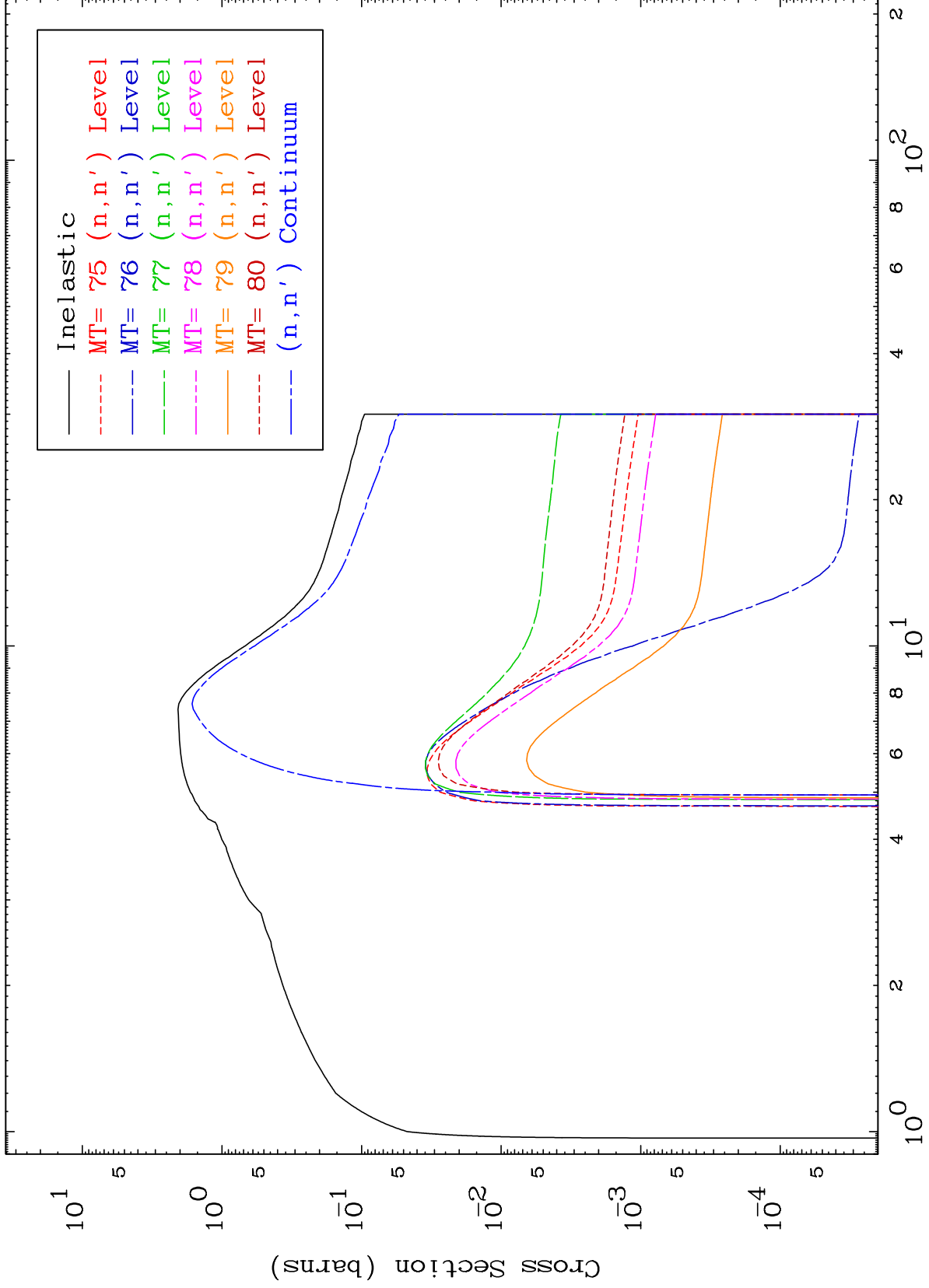
51-Sb-133

MAT 5161

(n,n') Levels

51-Sb-133

293 Kelvin Cross Sections



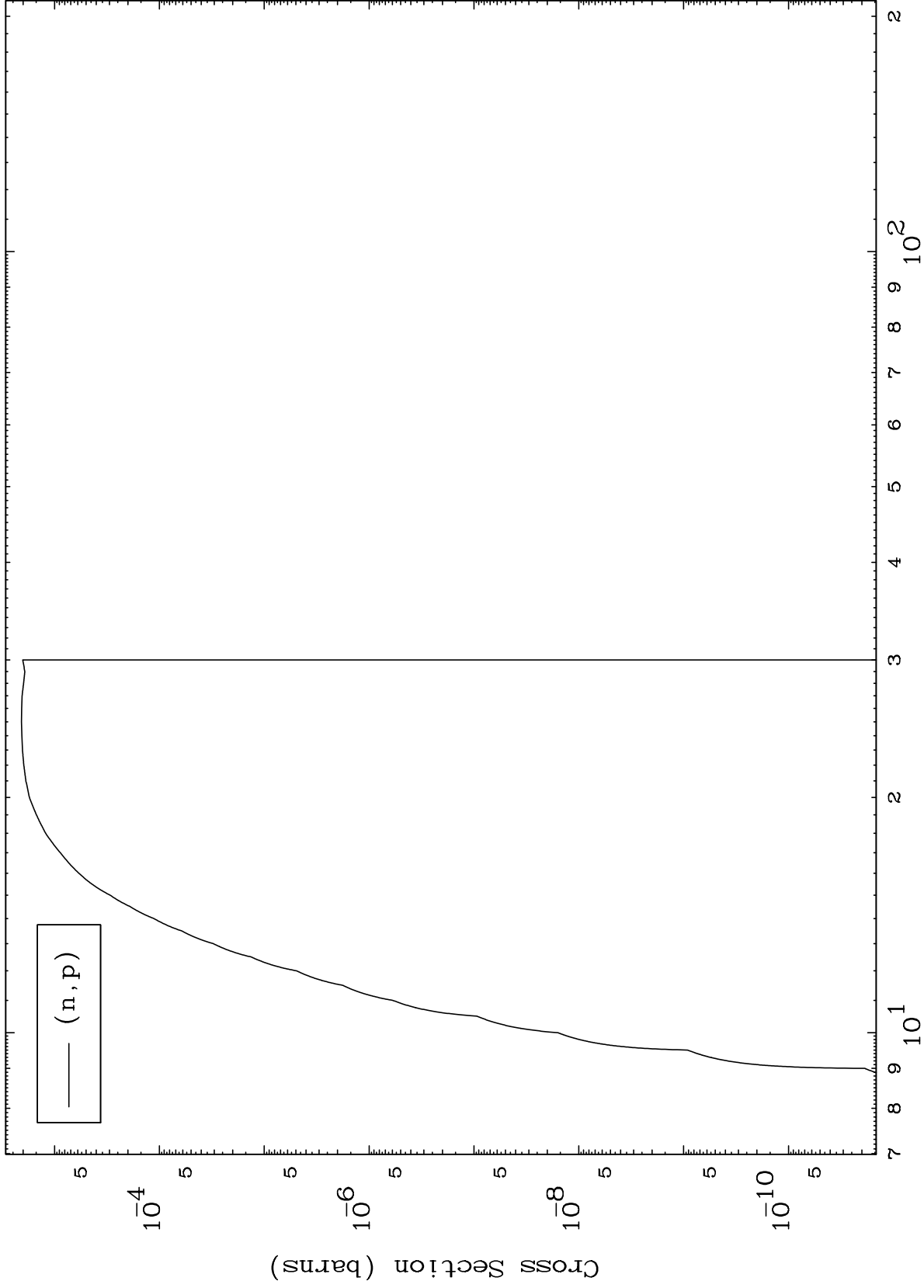
Incident Energy (MeV)

51-Sb-133

MAT 5161

(n,p) Levels  
293 Kelvin Cross Sections

51-Sb-133



Incident Energy (MeV)

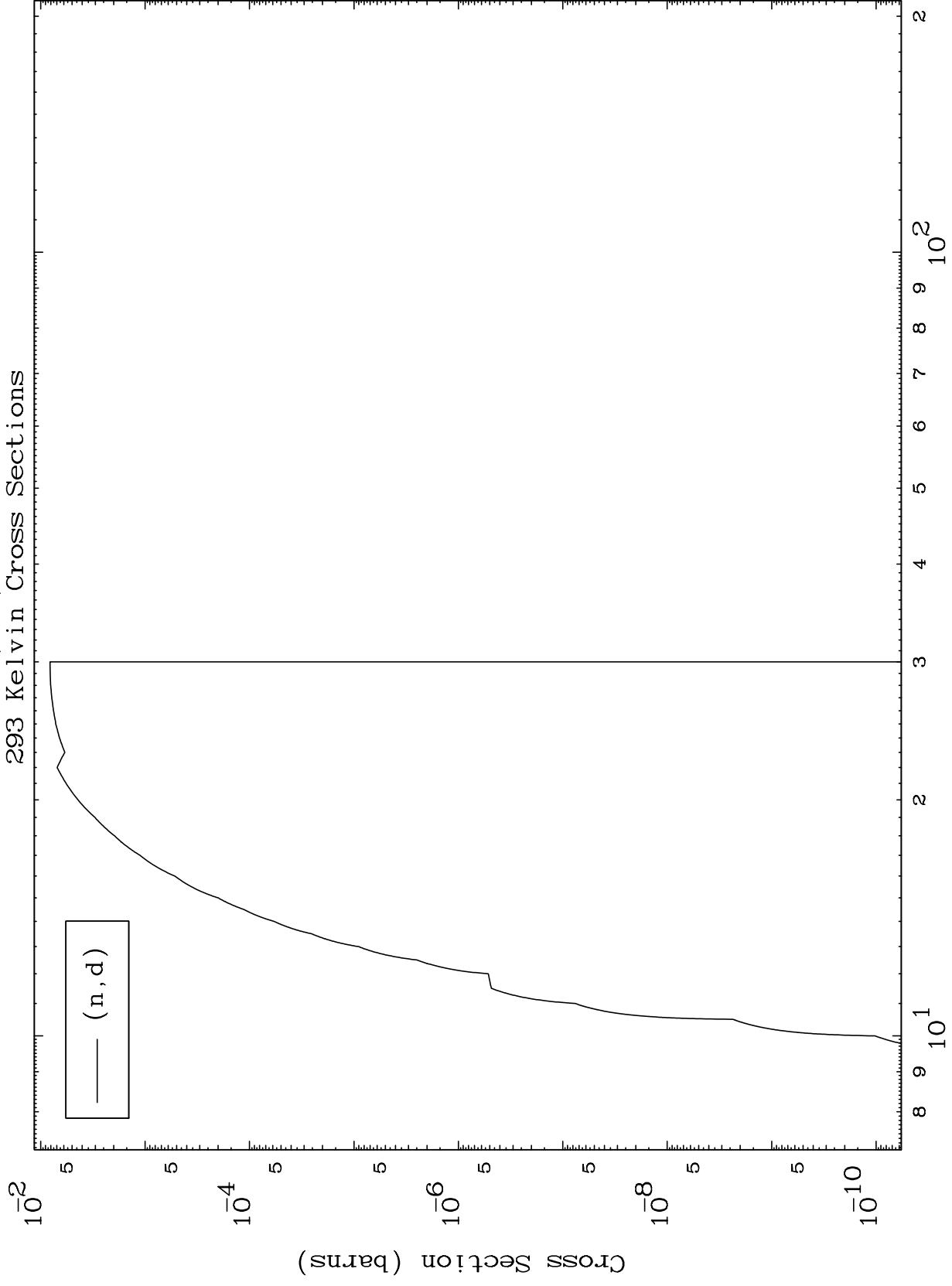
51-Sb-133

10

MAT 5161

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-133



11

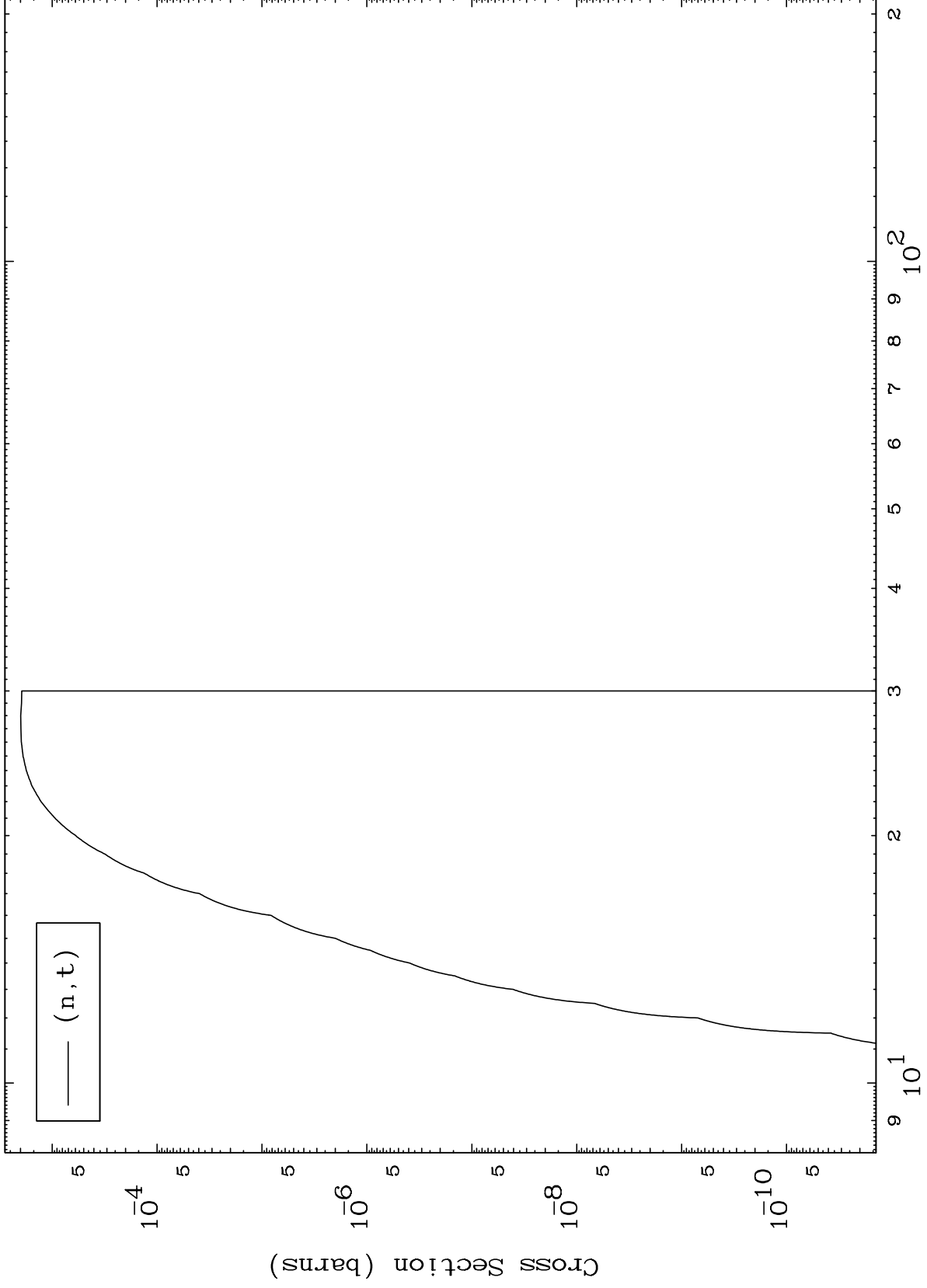
Incident Energy (MeV)

51-Sb-133

MAT 5161

(n,t) Levels  
293 Kelvin Cross Sections

51-Sb-133



12

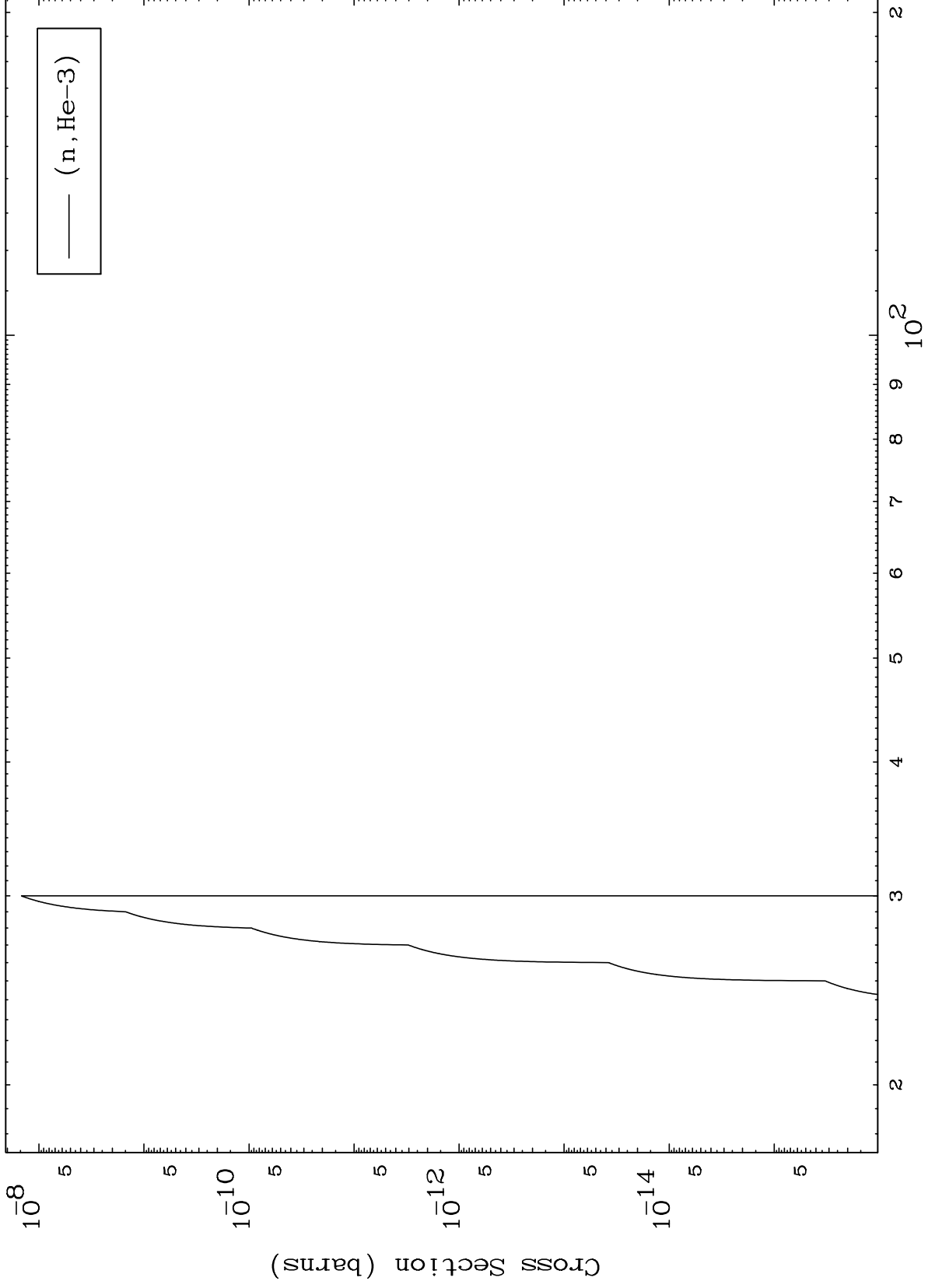
Incident Energy (MeV)

51-Sb-133

MAT 5161

(n,He3) Levels  
293 Kelvin Cross Sections

51-Sb-133



13

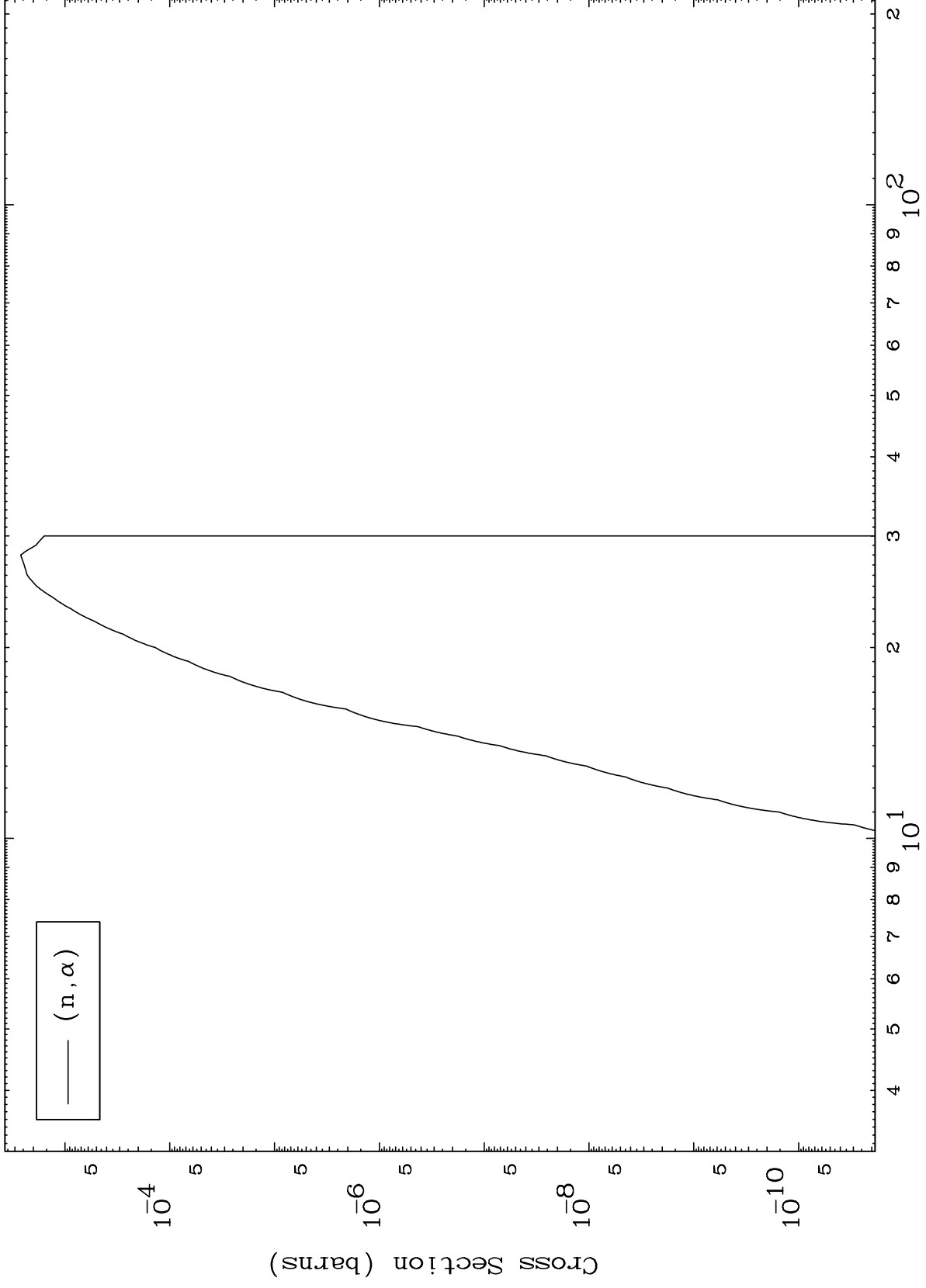
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



14

Incident Energy (MeV)

51-Sb-133

MAT 5161

51-Sb-133

Elastic Legendre Coefficients

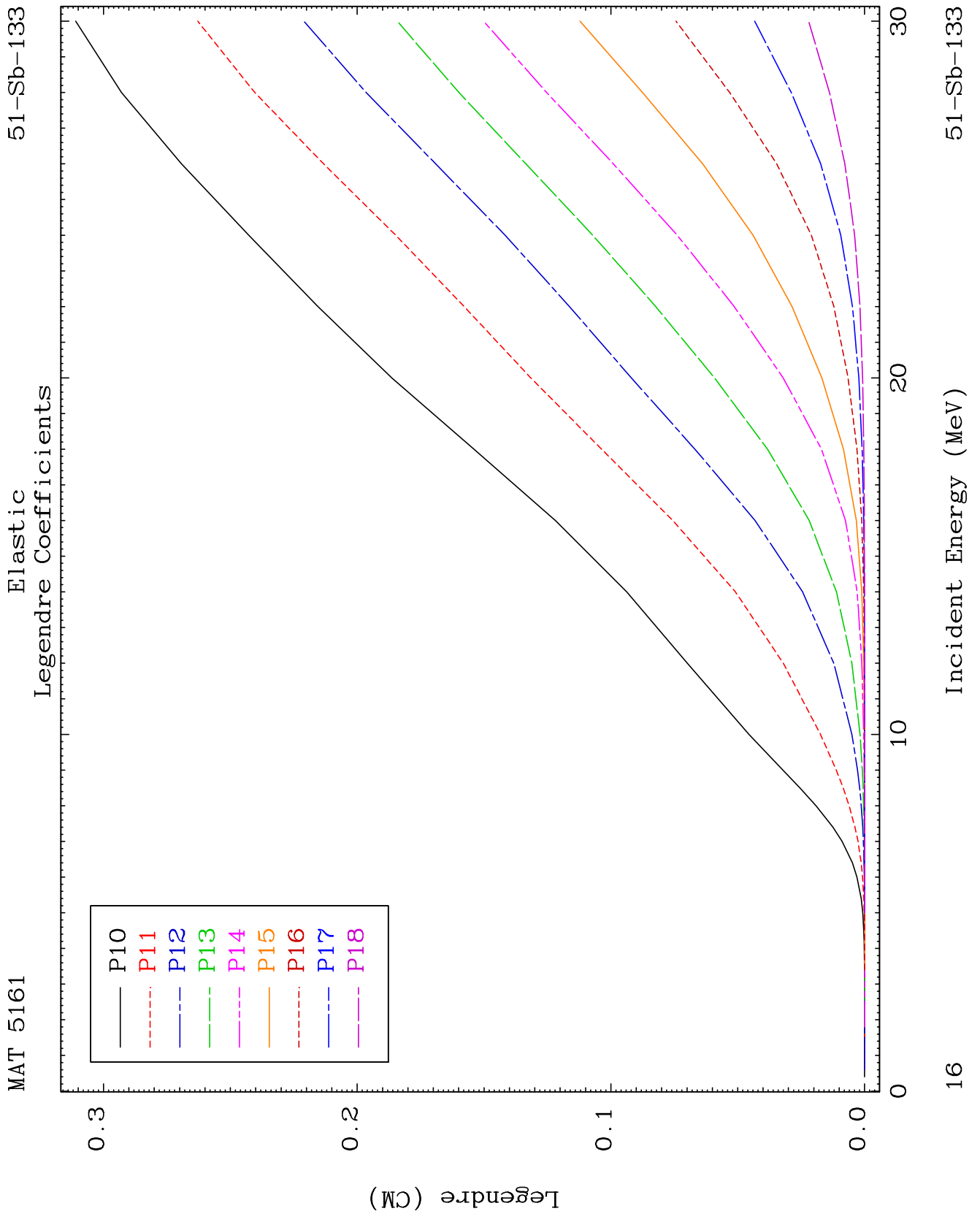


51-Sb-133

Incident Energy (MeV)

15

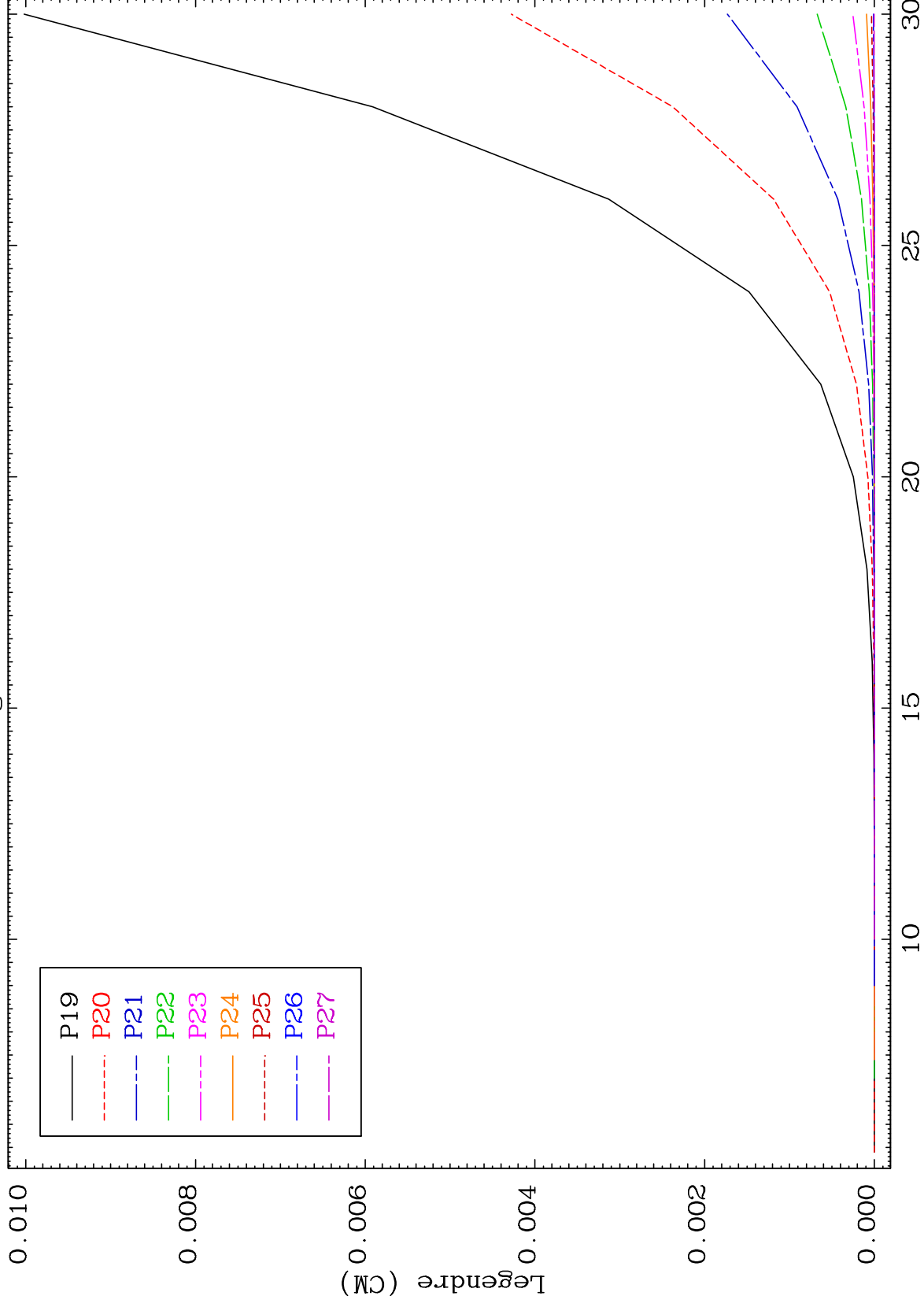




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### Elastic Legendre Coefficients

51-Sb-133



17

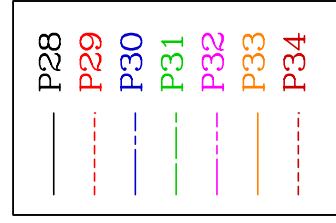
Incident Energy (MeV)

51-Sb-133

MAT 5161

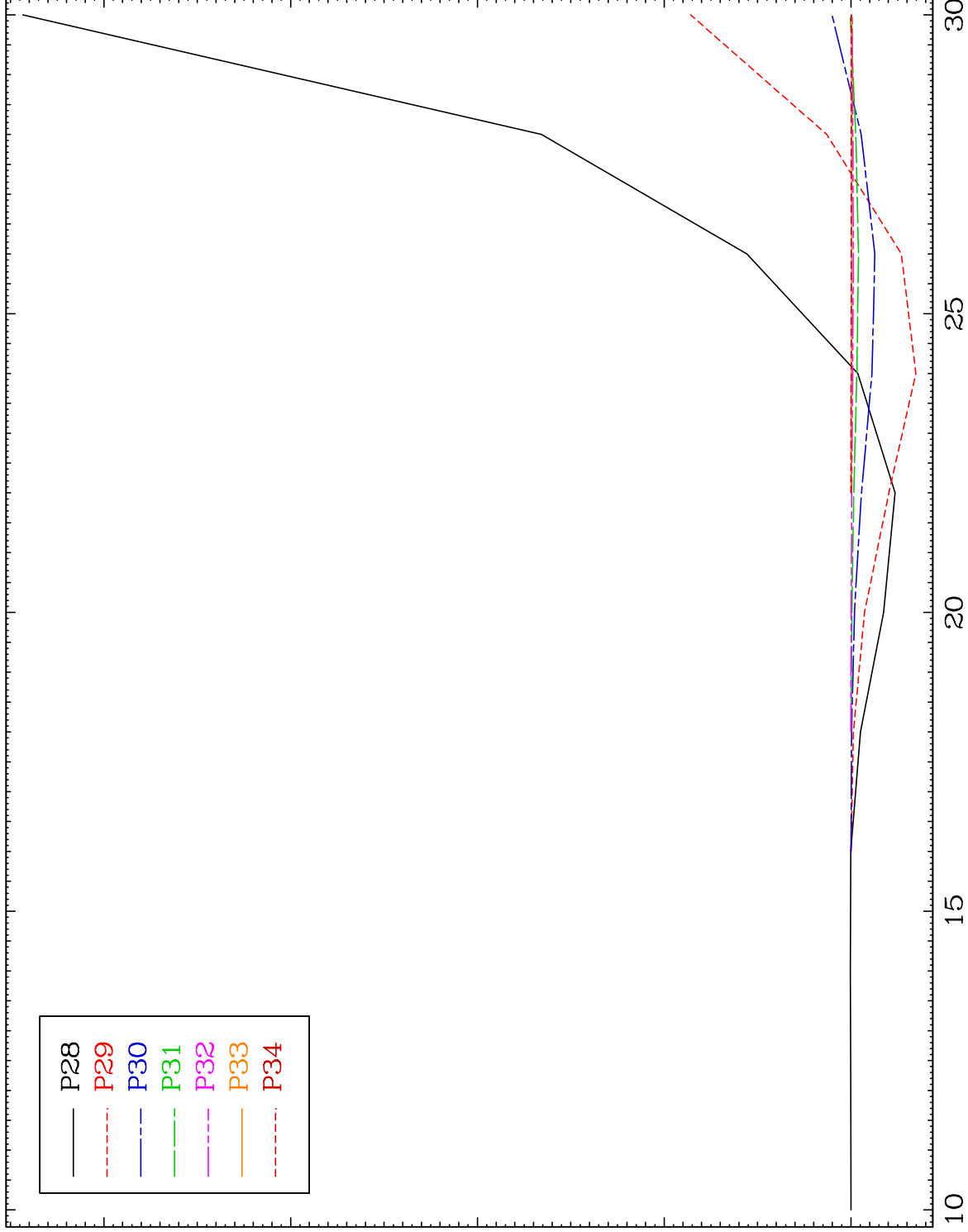
Elastic  
Legendre Coefficients

51-Sb-133



$\times 10^{-7}$

Legendre (CM)



10

15

20

25

30

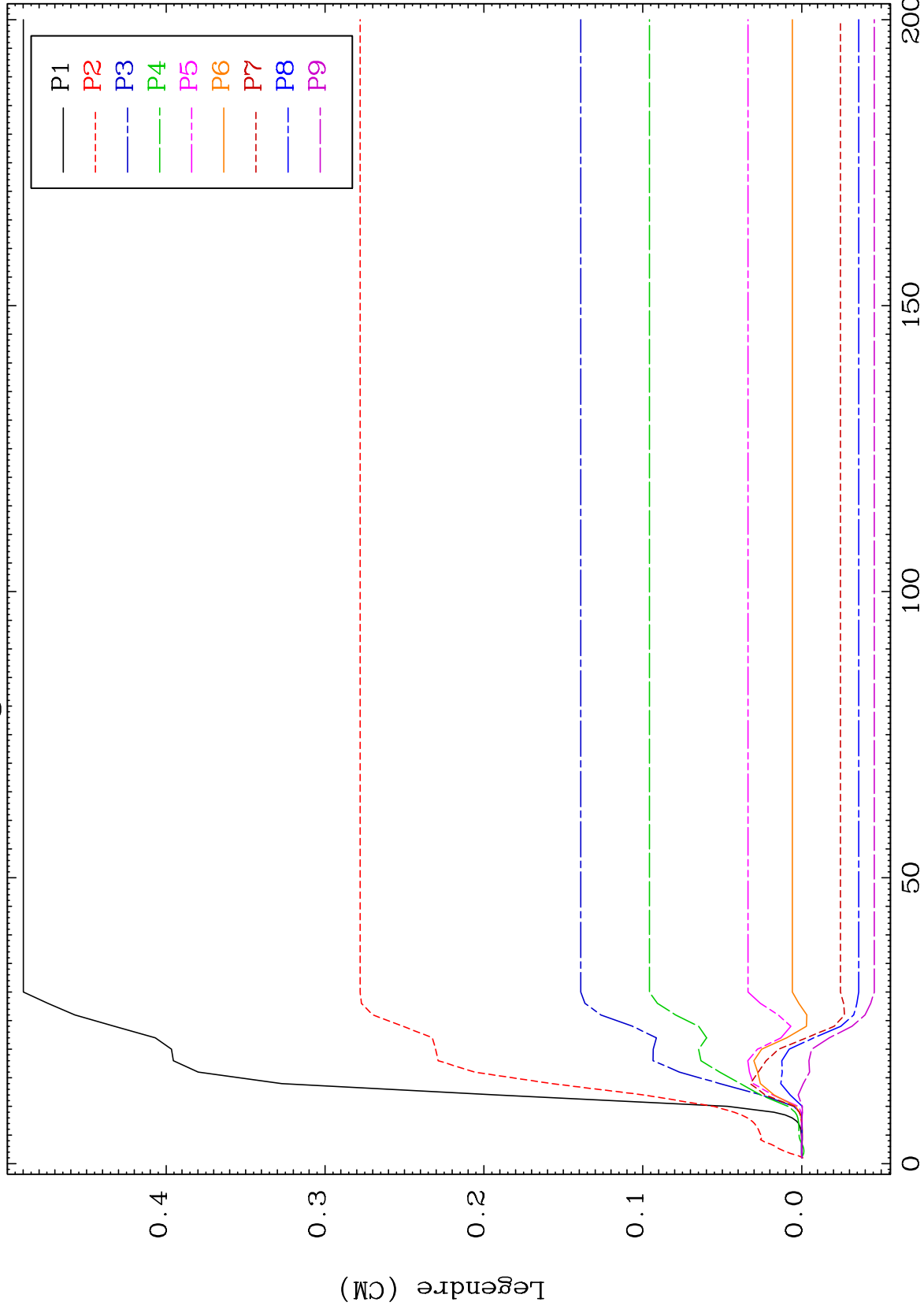
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



19

Incident Energy (MeV)

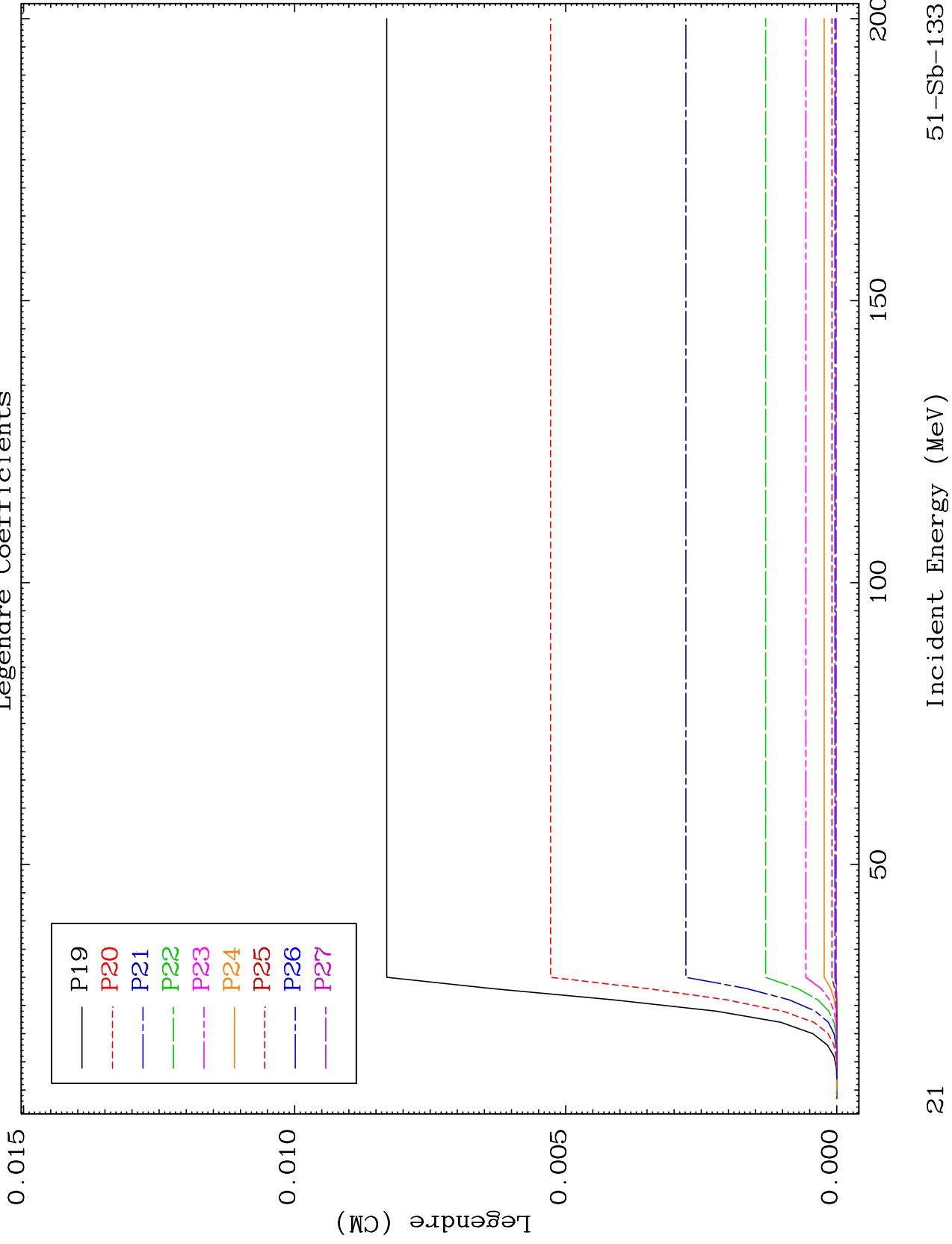
51-Sb-133



MAT 5161

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

51-Sb-133



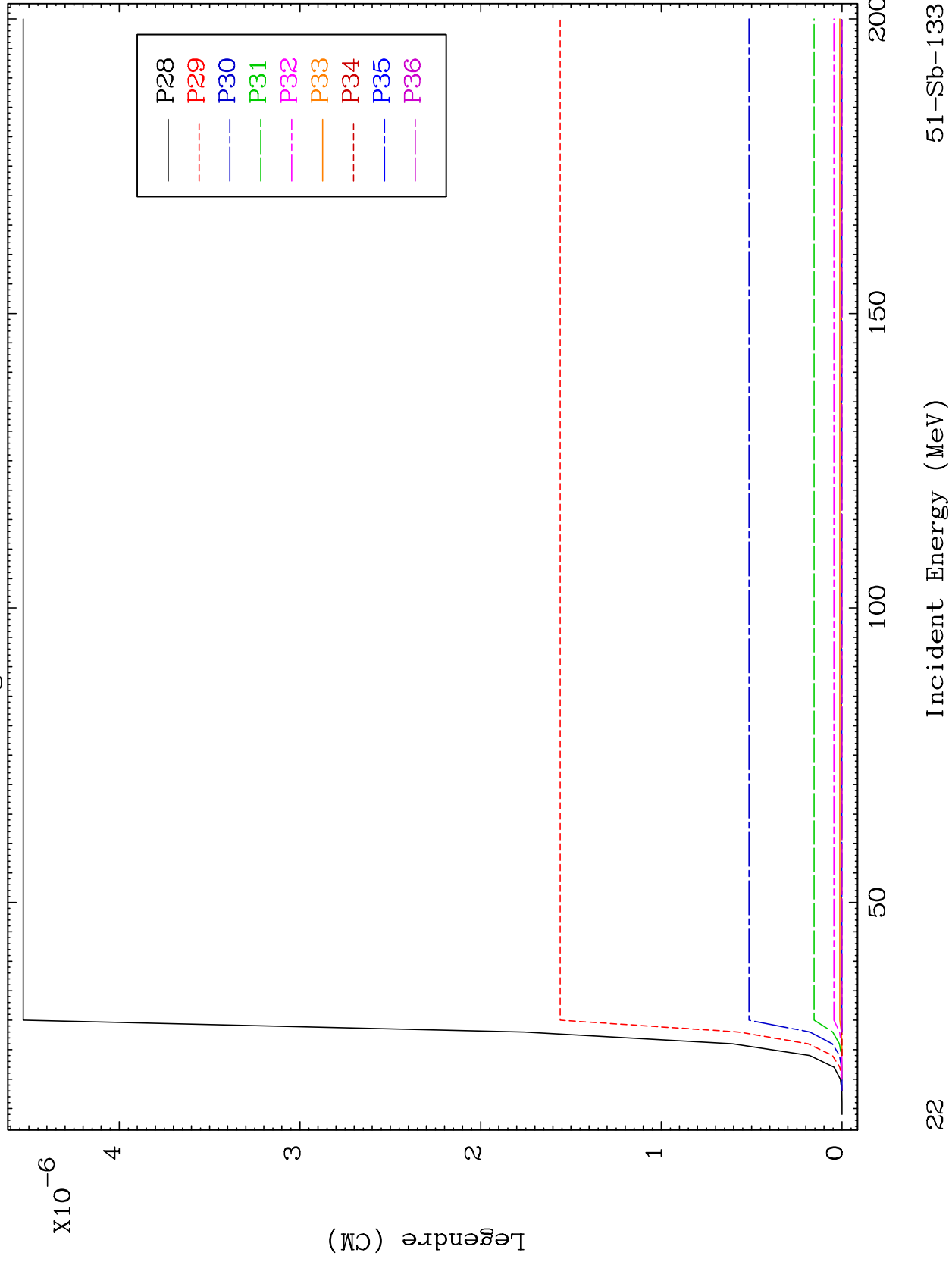
21

51-Sb-133

MAT 5161

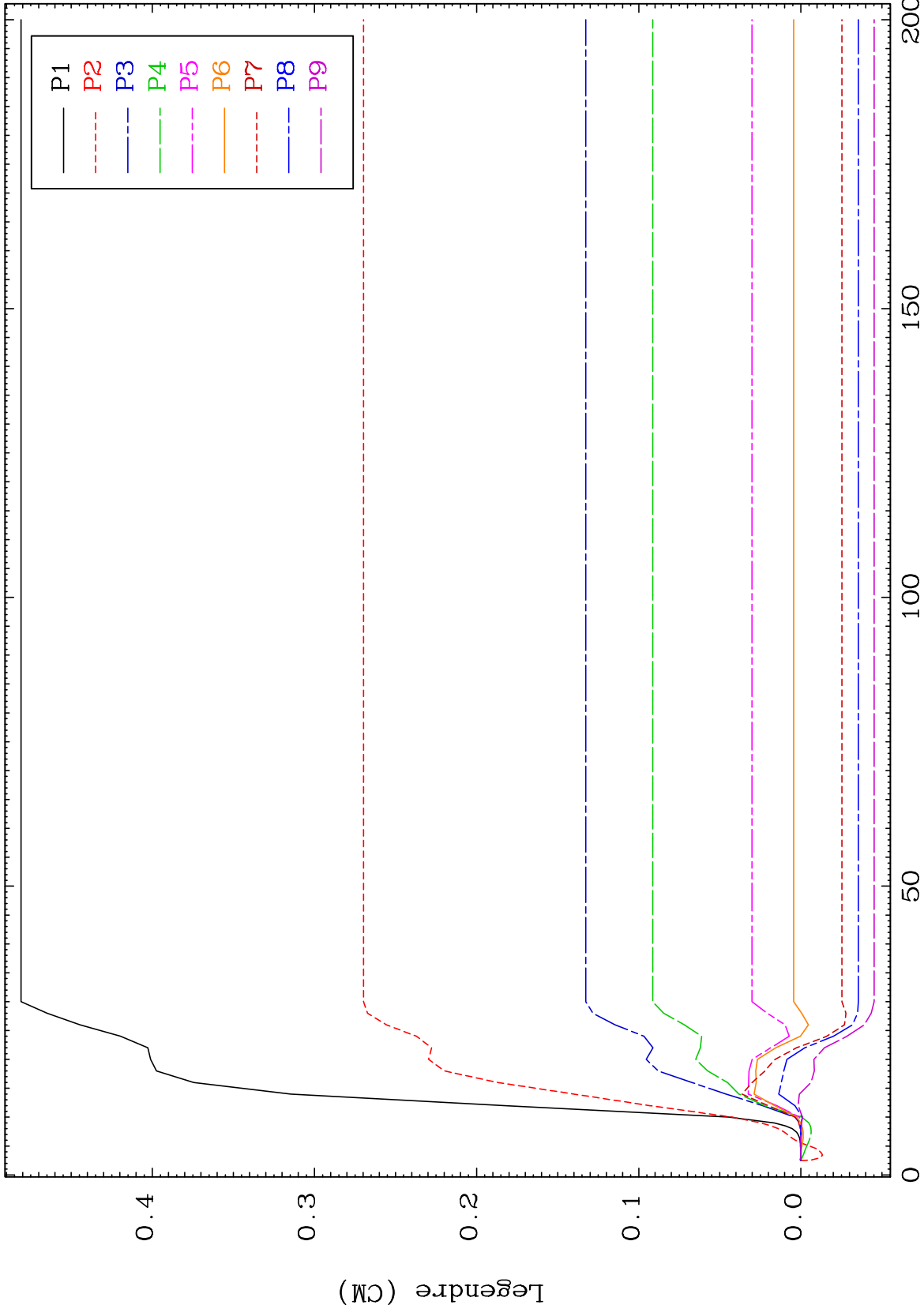
MT= 51 (n,n') Level  
Legendre Coefficients

51-Sb-133



22

51-Sb-133

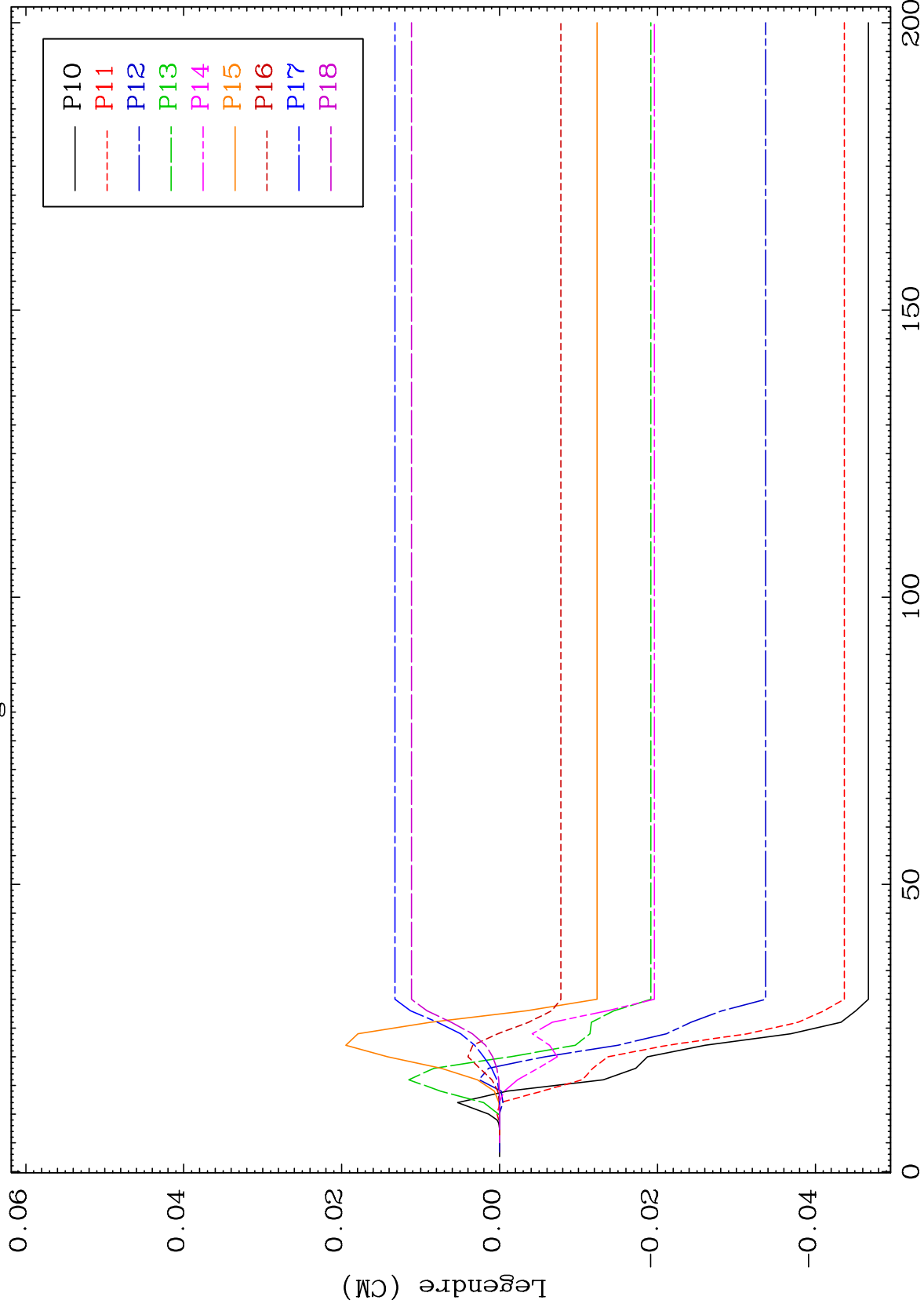




MAT 5161

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

51-Sb-133



24

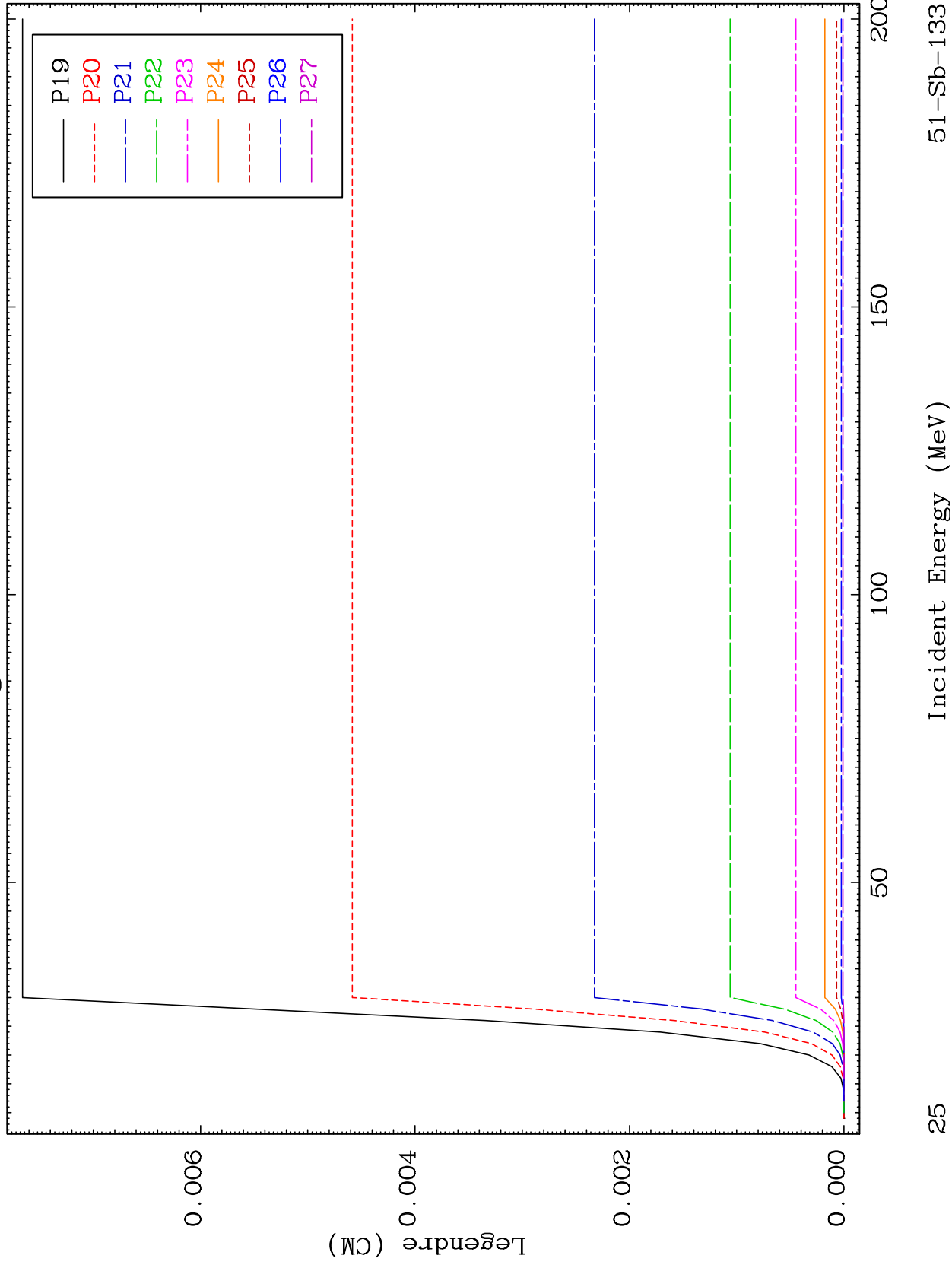
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



51-Sb-133

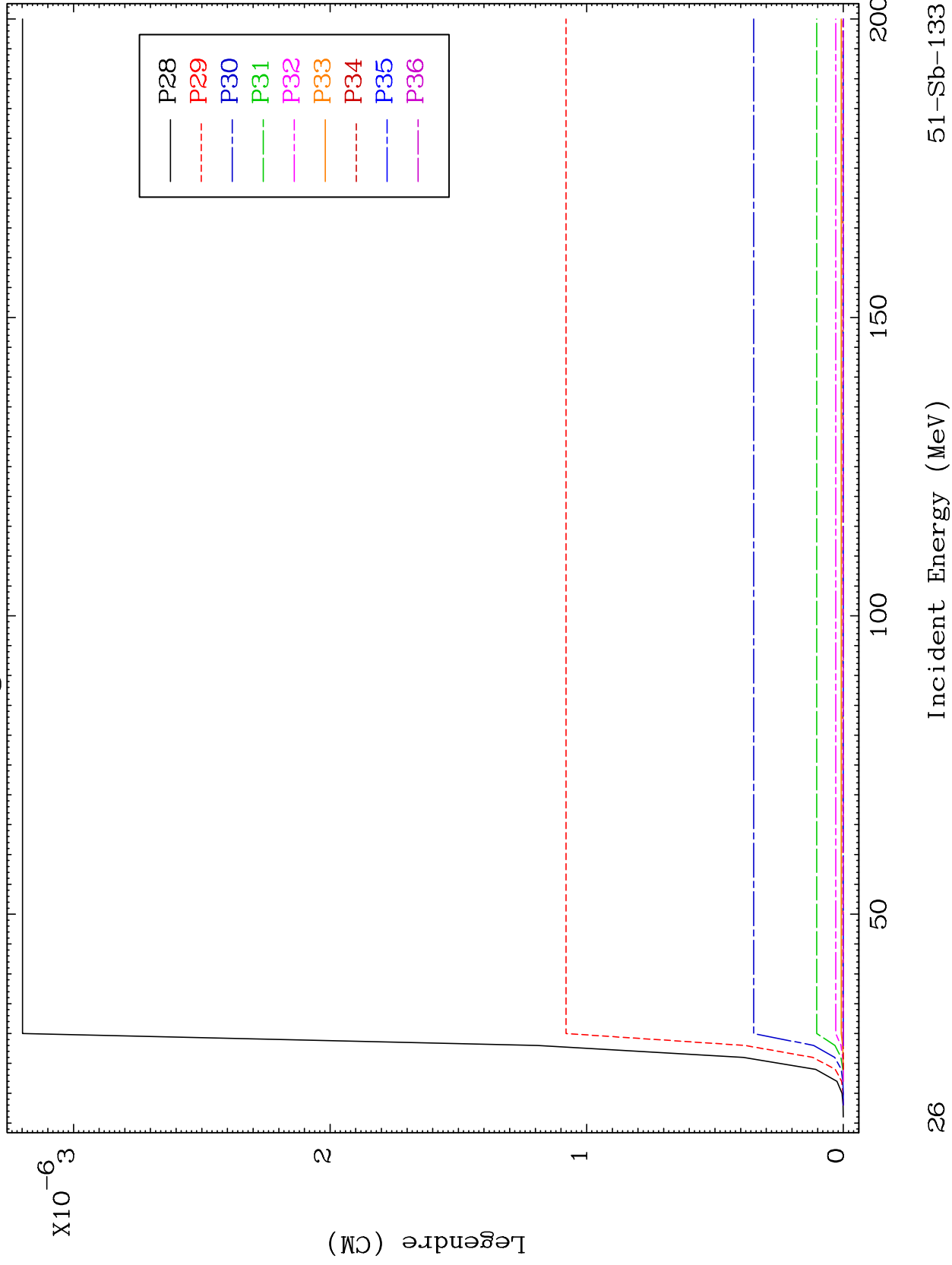
Incident Energy (MeV)

25

MAT 5161

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

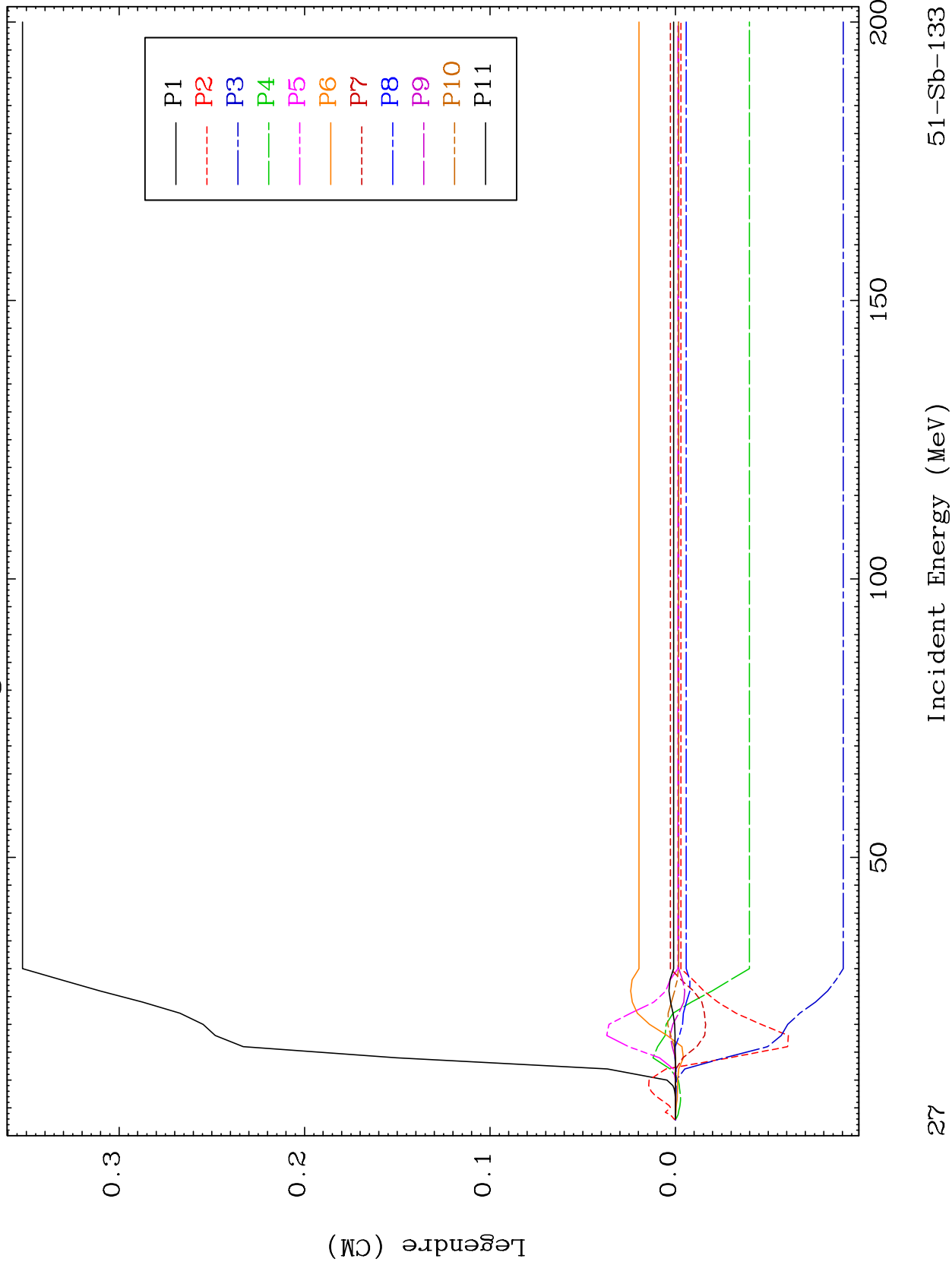
51-Sb-133



MAT 5161

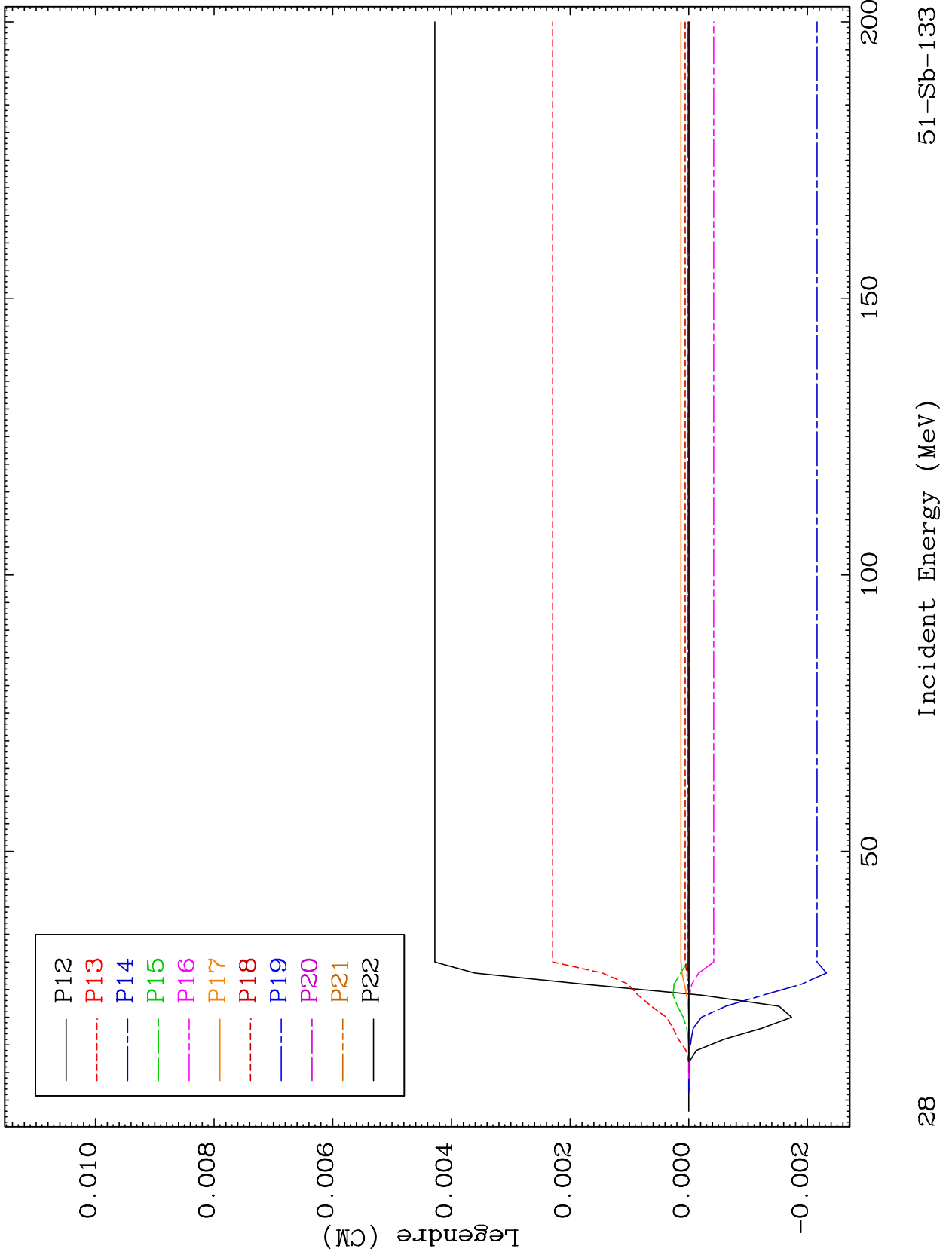
MT= 53 (n,n') Level  
Legendre Coefficients

51-Sb-133



27

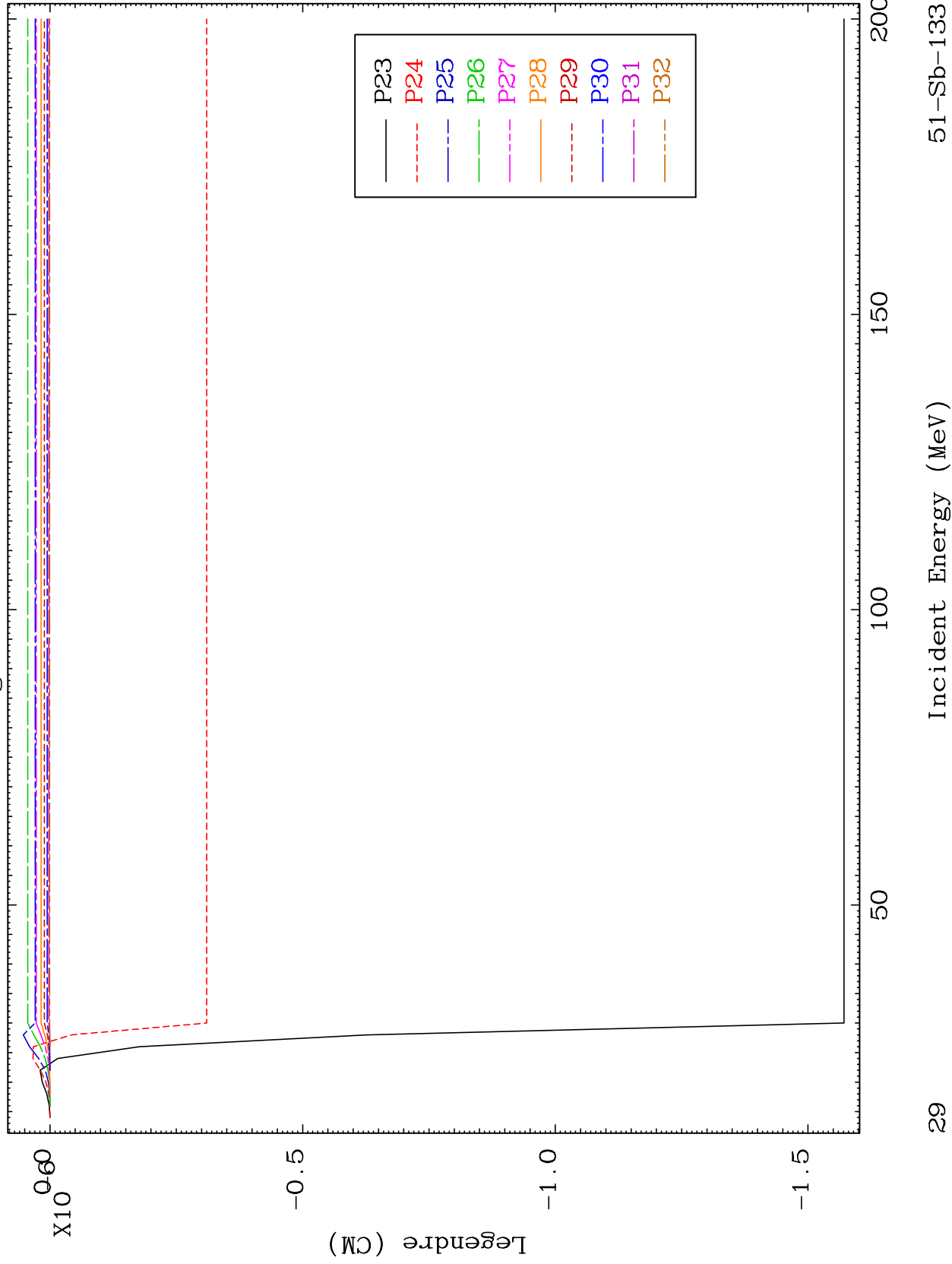
51-Sb-133



MAT 5161

51-Sb-133

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



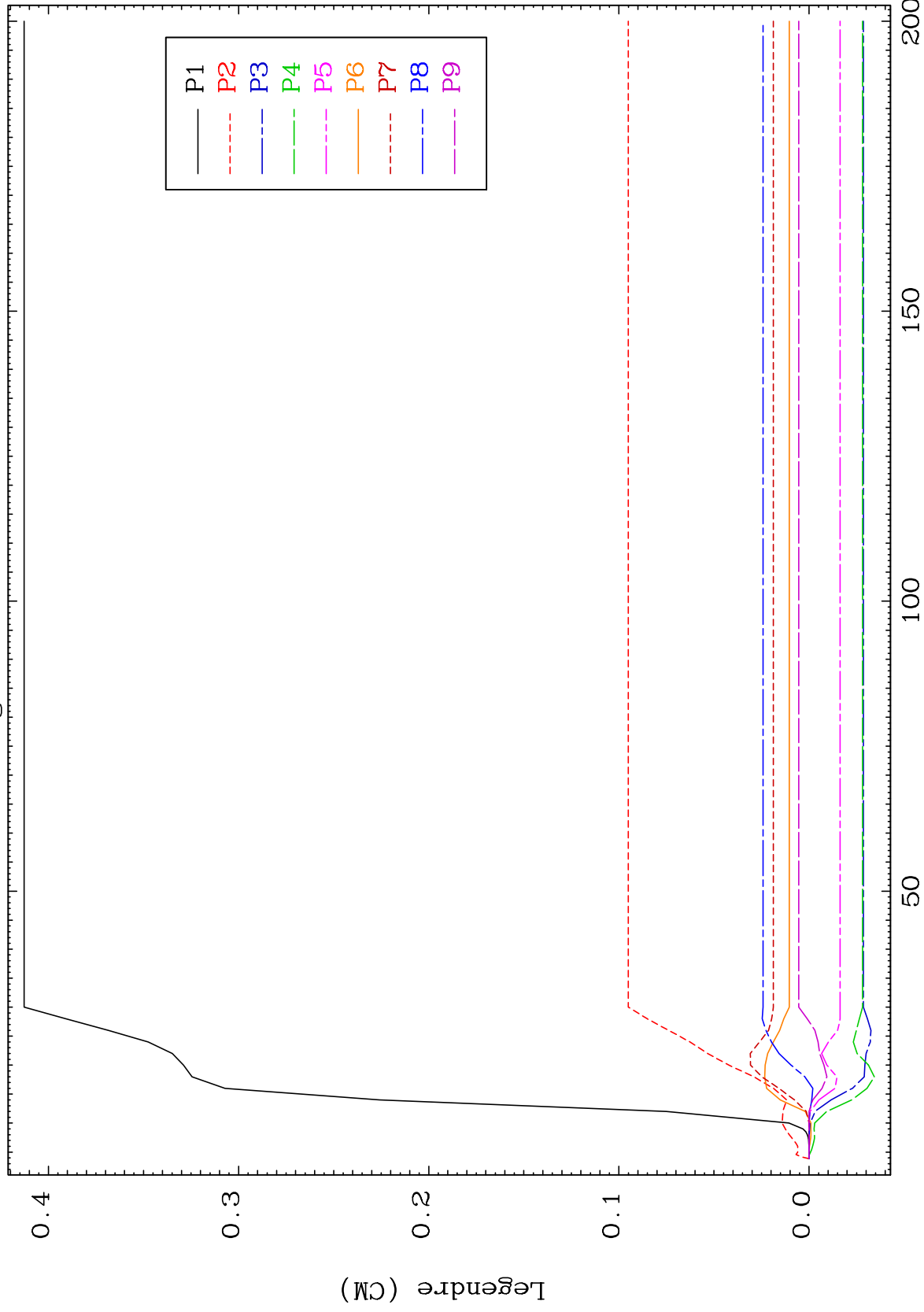
29

51-Sb-133

MAT 5161

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

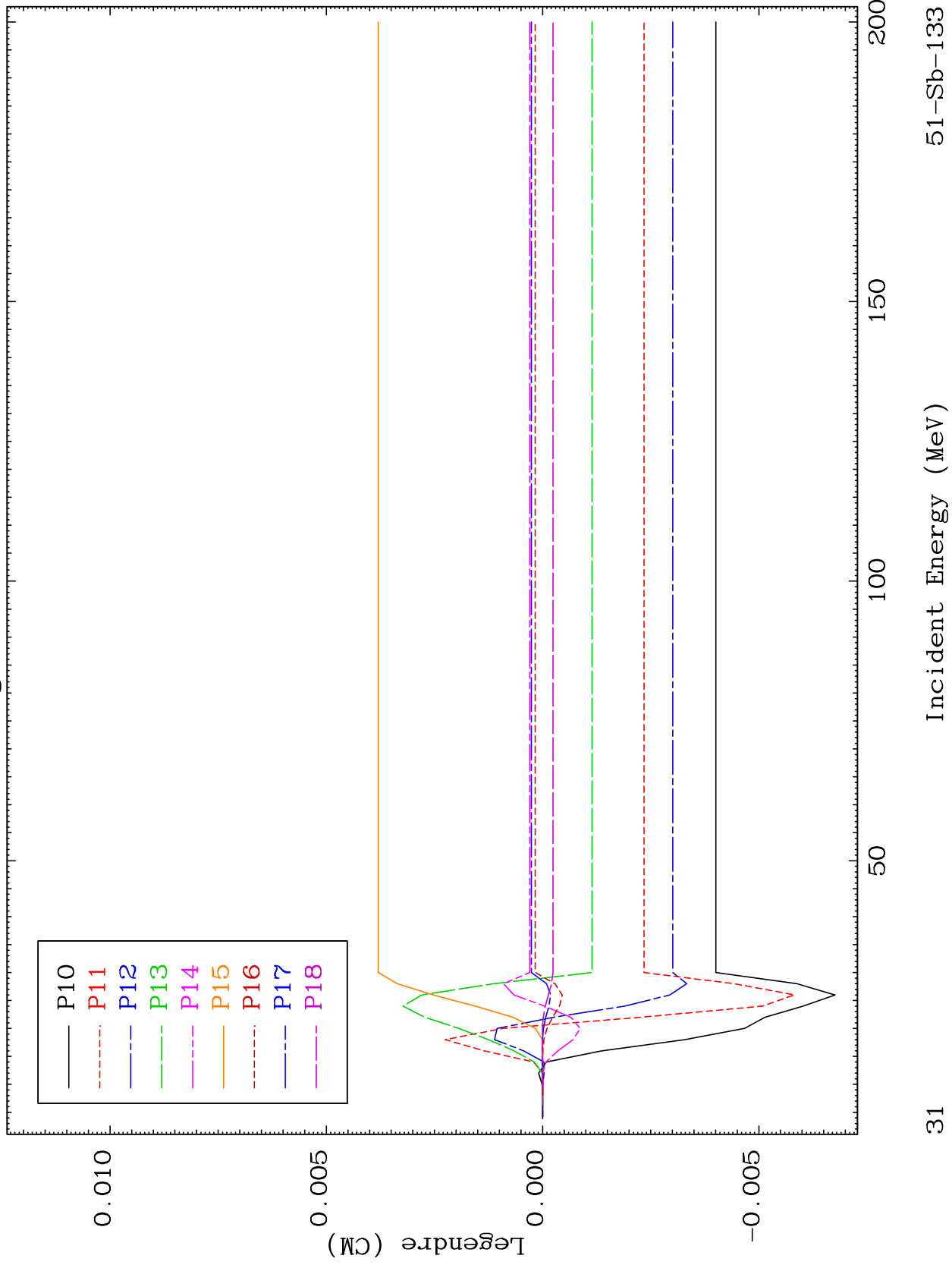
51-Sb-133



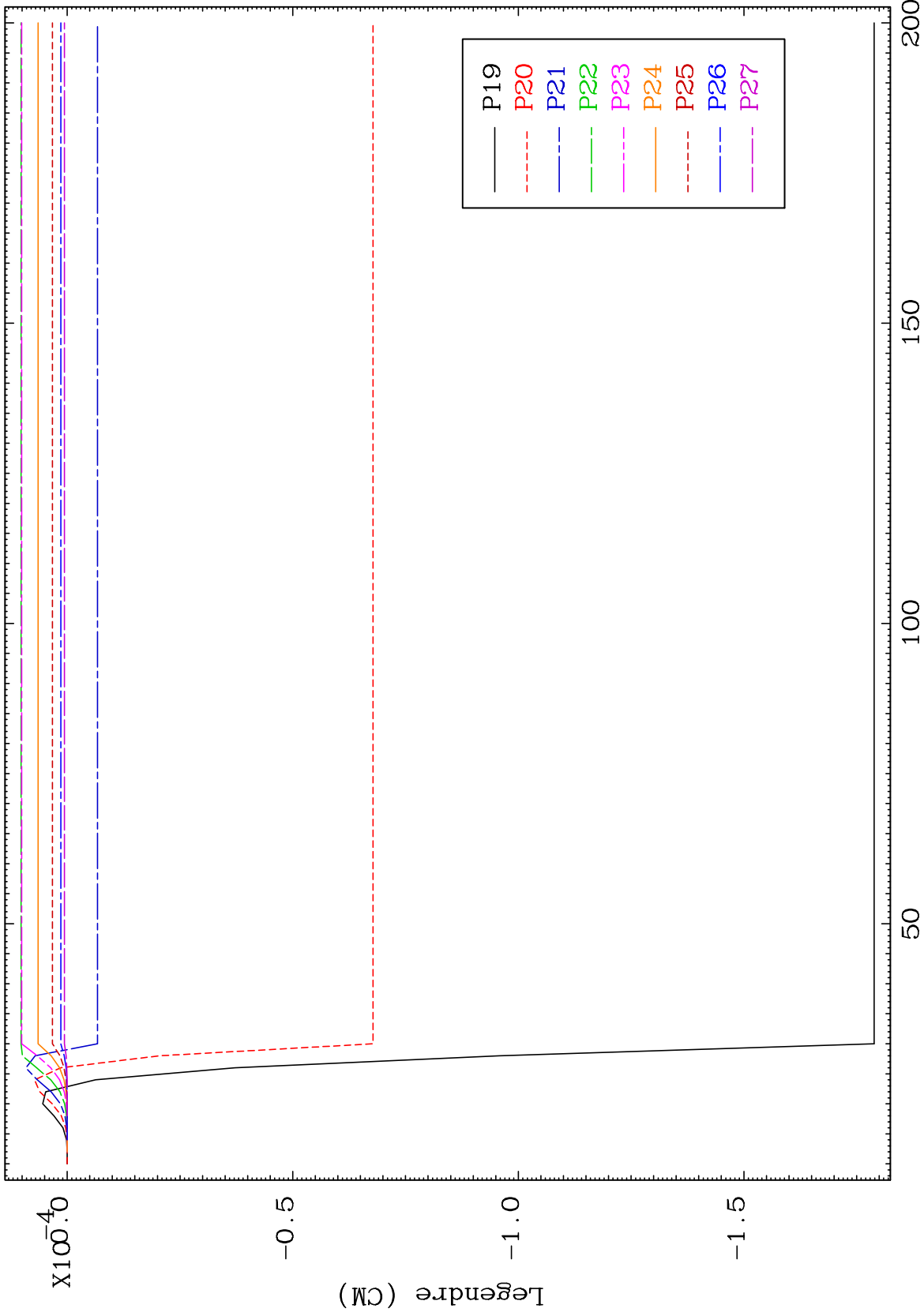
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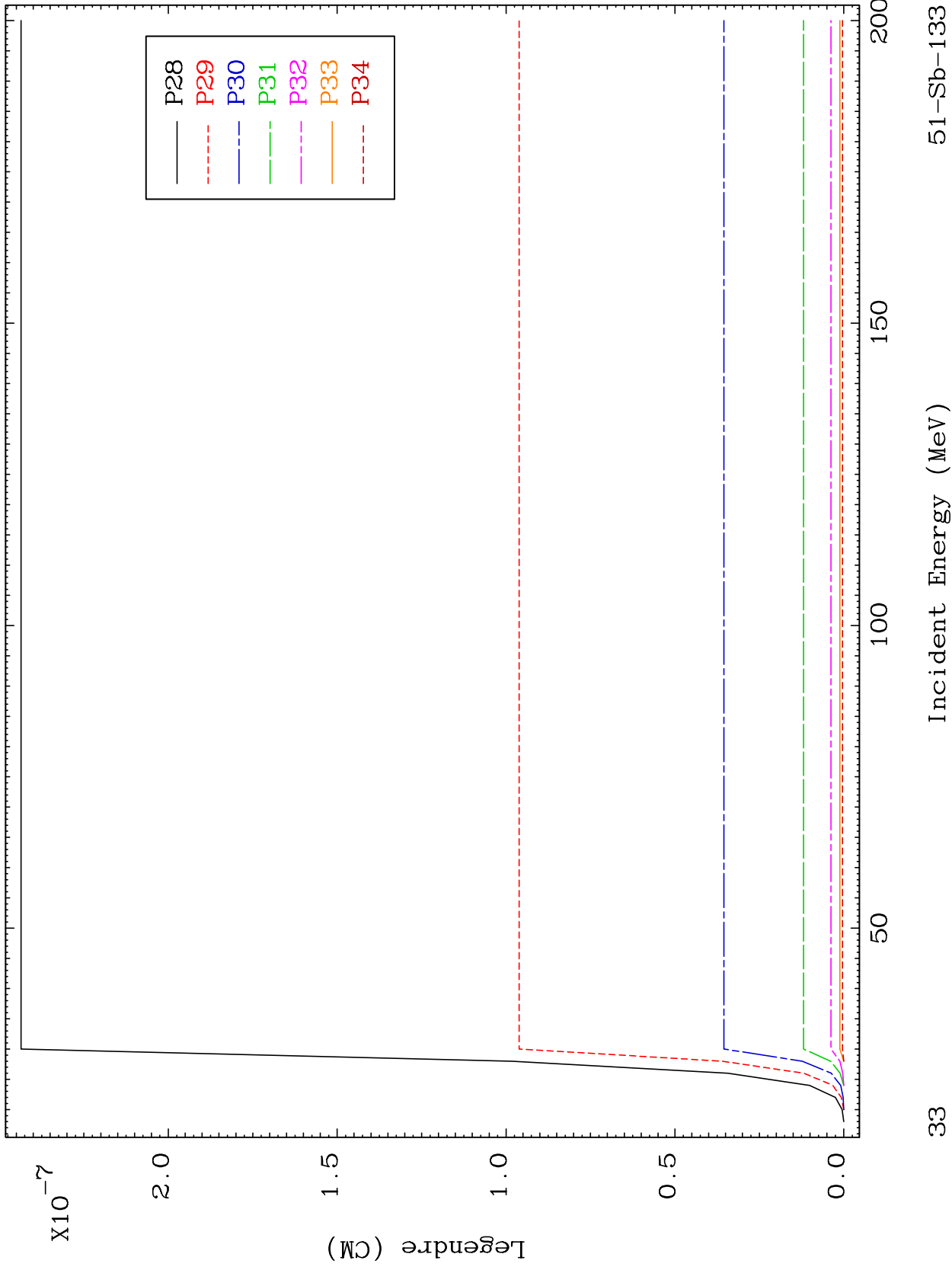
Incident Energy (MeV)

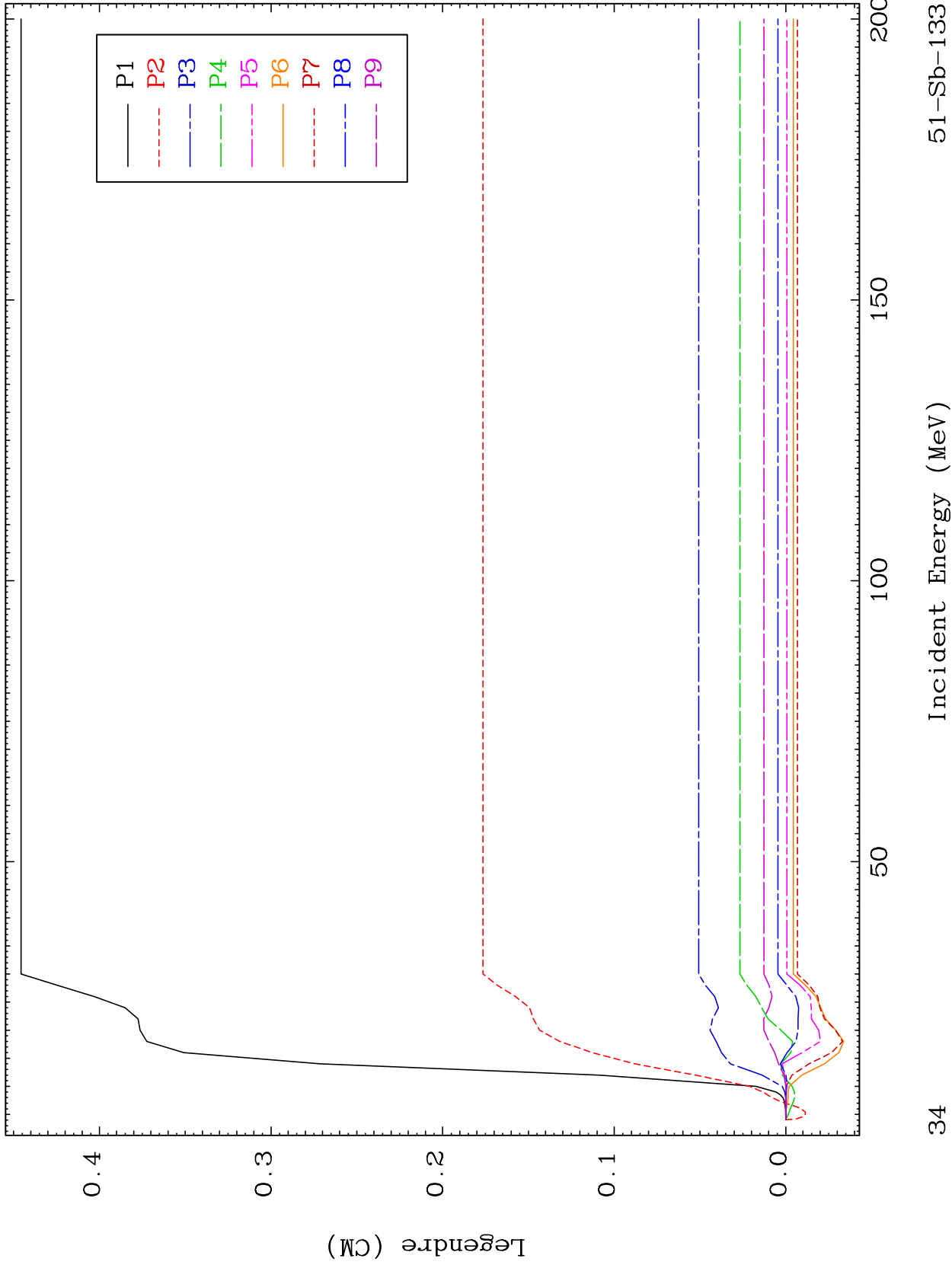
51-Sb-133







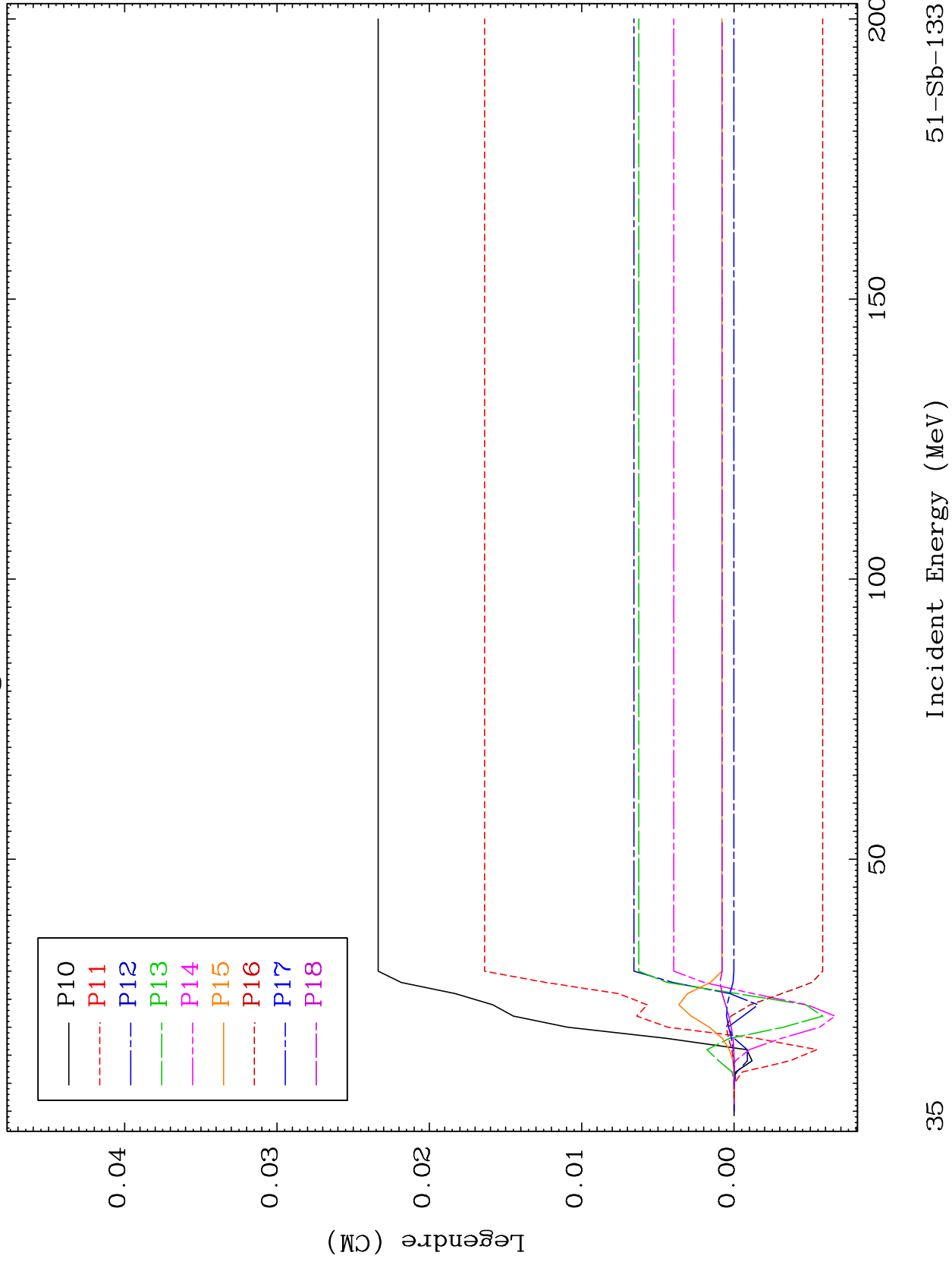




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MT= 55 (n,n') Level  
Legendre Coefficients

51-Sb-133



51-Sb-133

Incident Energy (MeV)

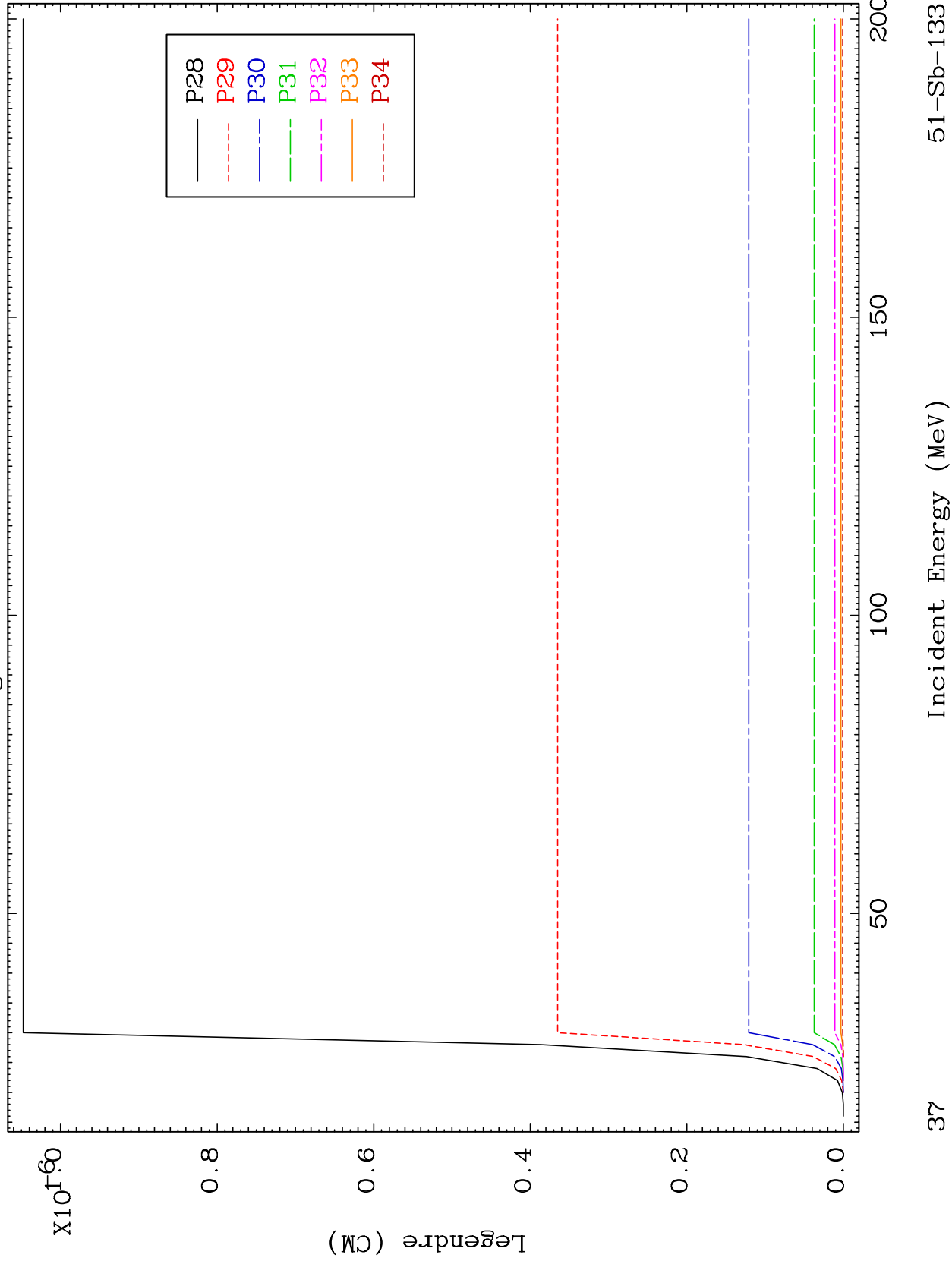
35



MAT 5161

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

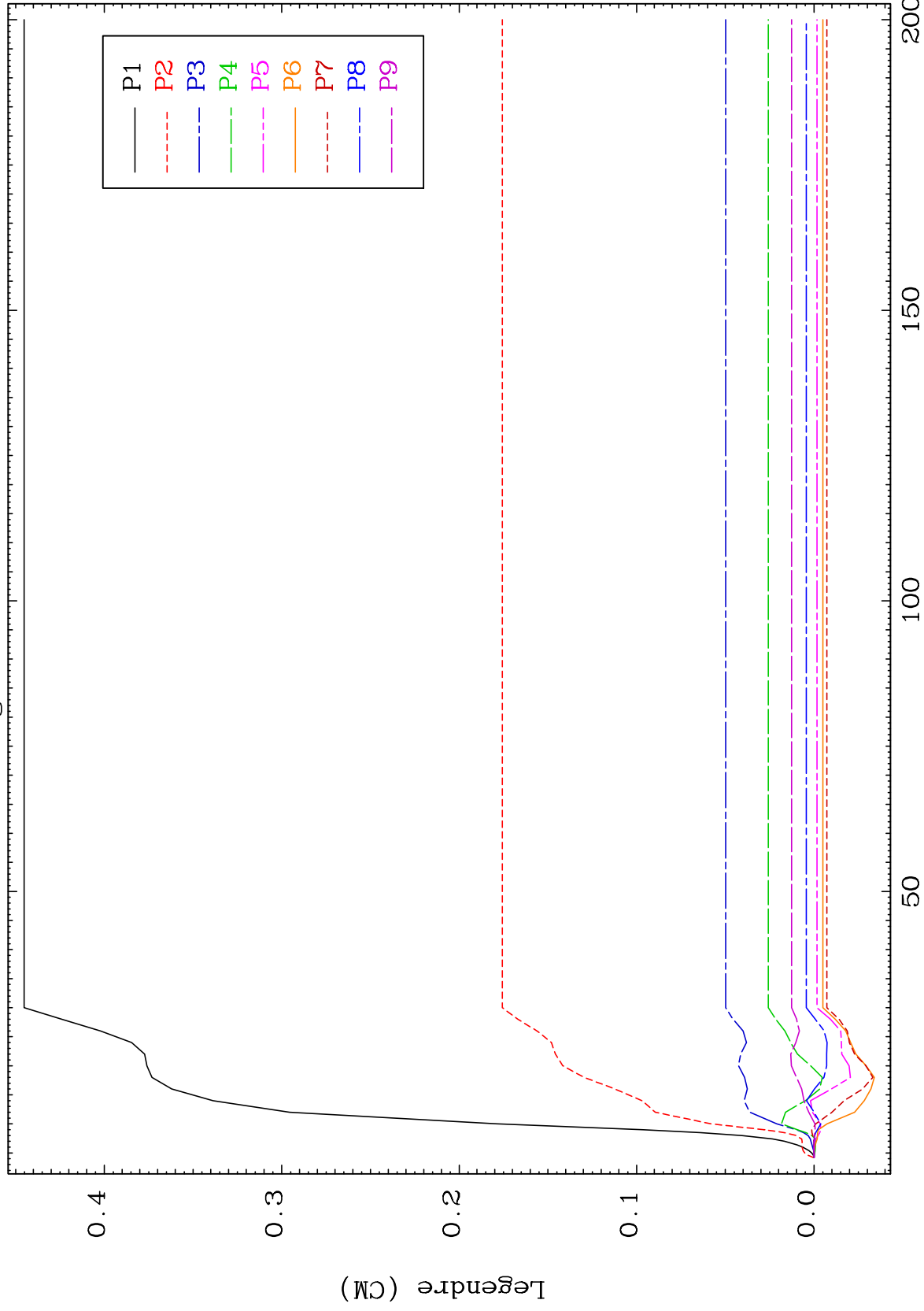
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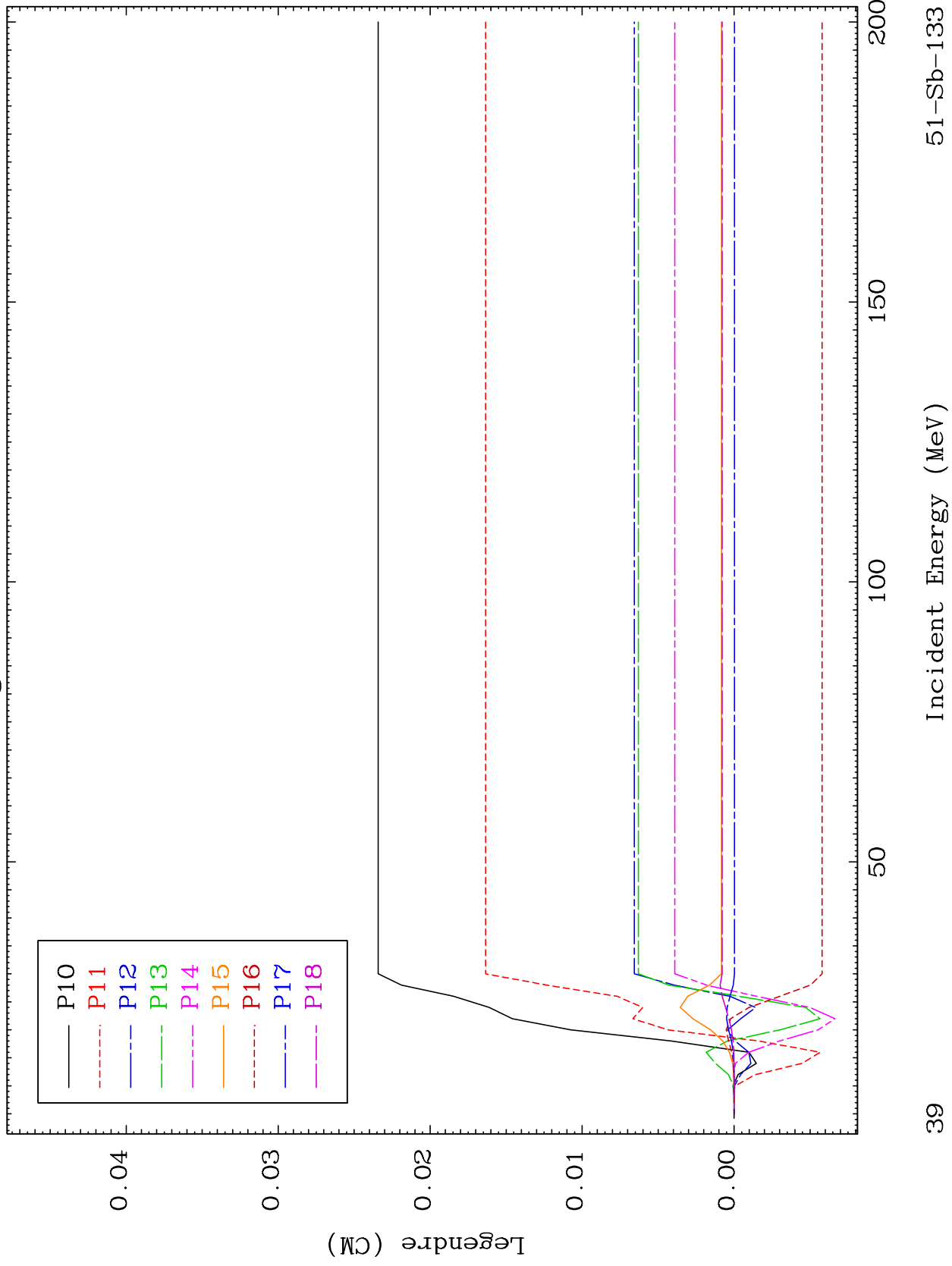


37

Incident Energy (MeV)

51-Sb-133



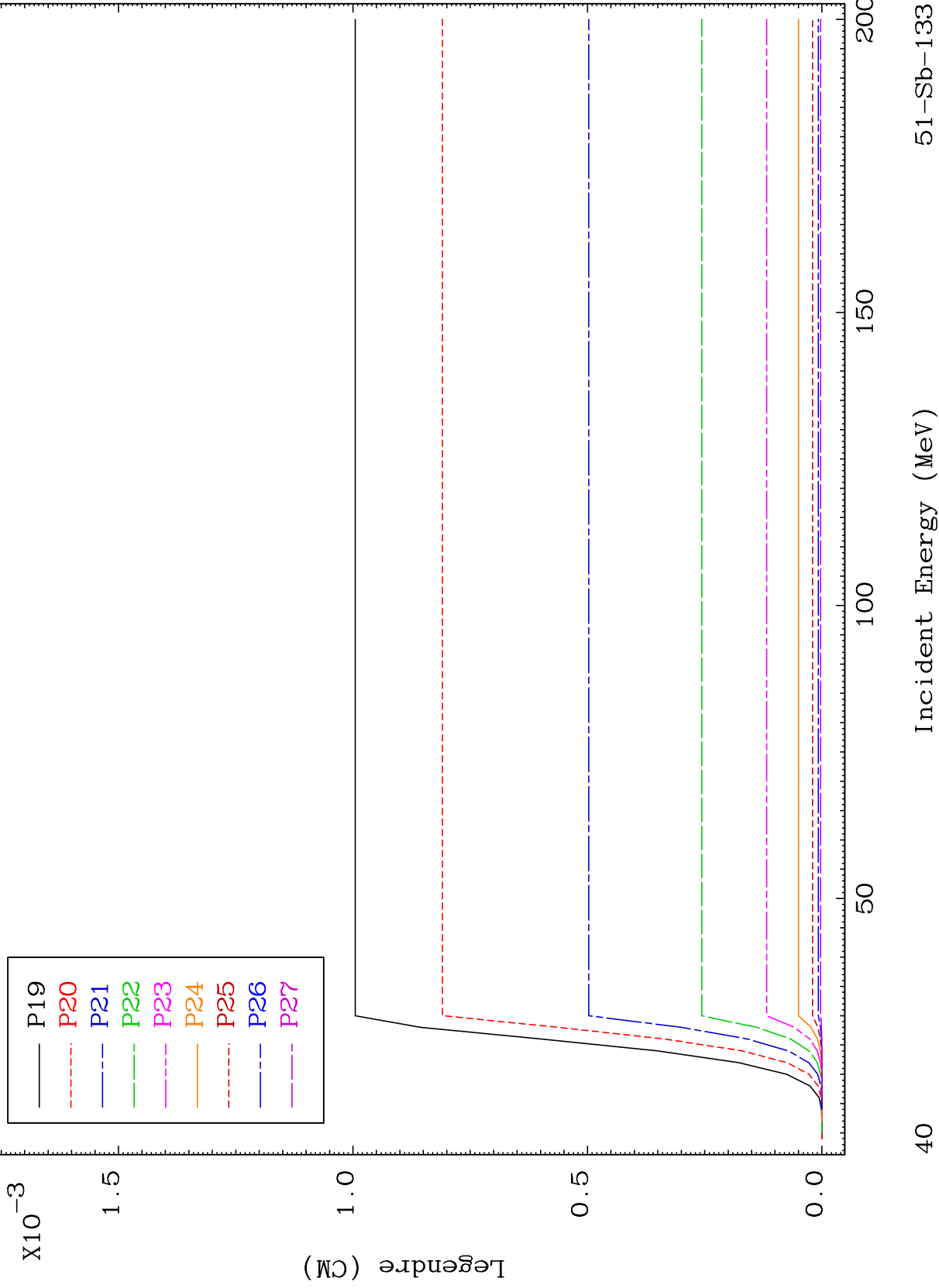
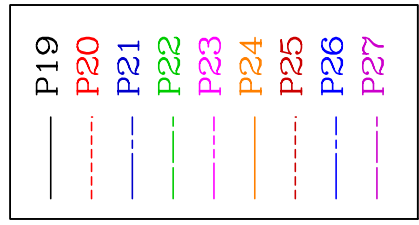




MAT 5161

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

51-Sb-133



51-Sb-133

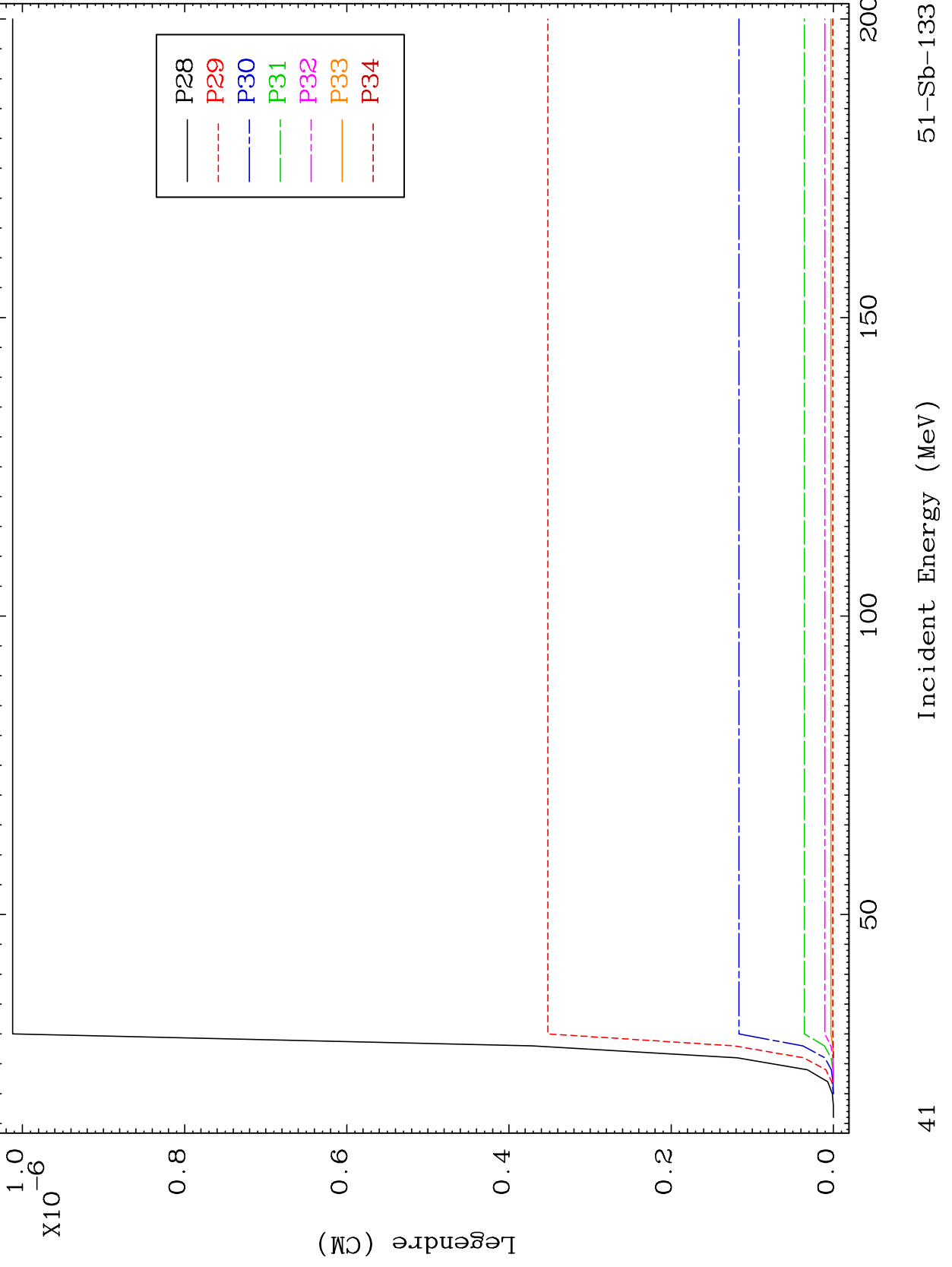
Incident Energy (MeV)

40

MAT 5161

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

51-Sb-133



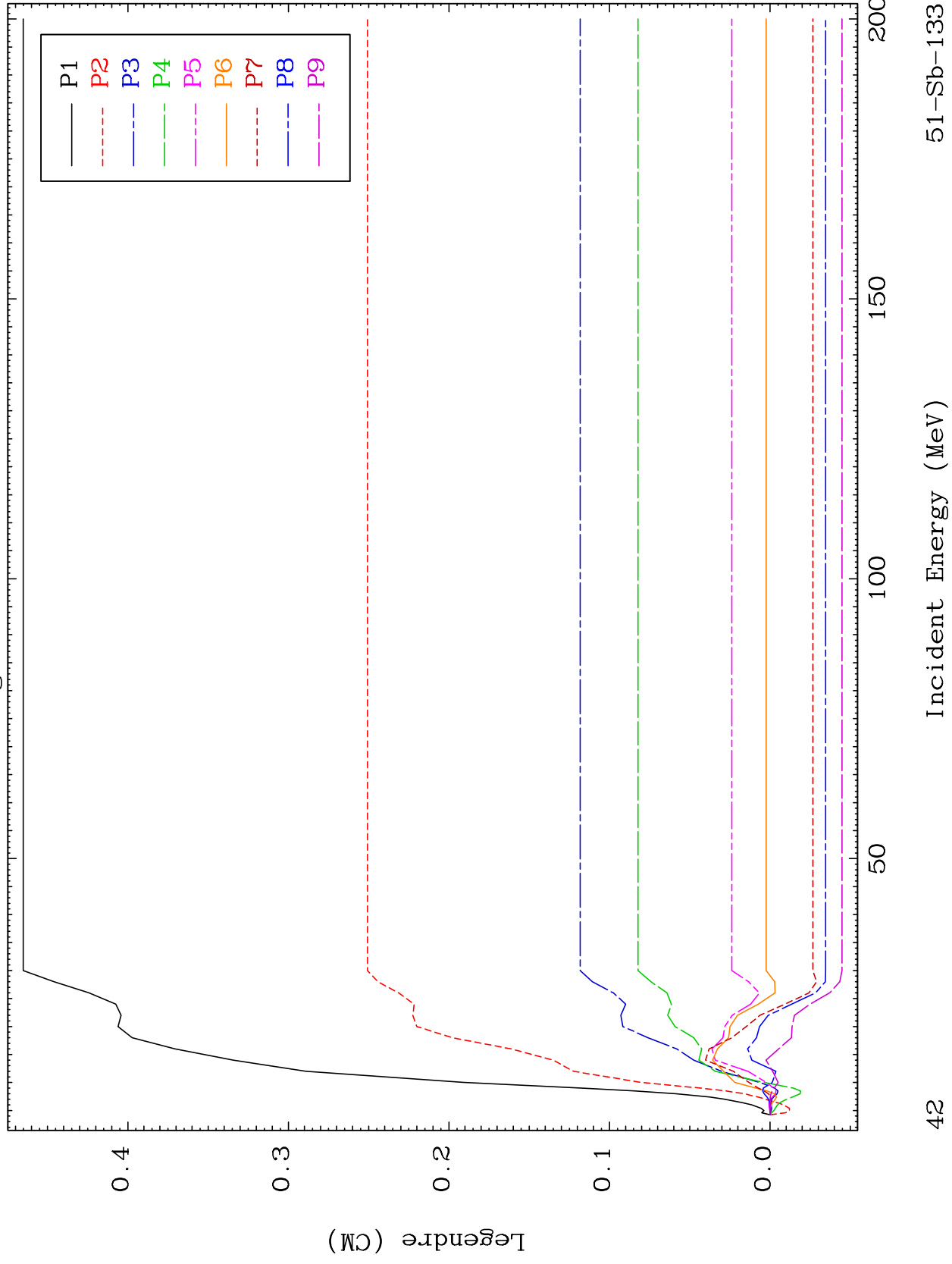
41

51-Sb-133

MAT 5161

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

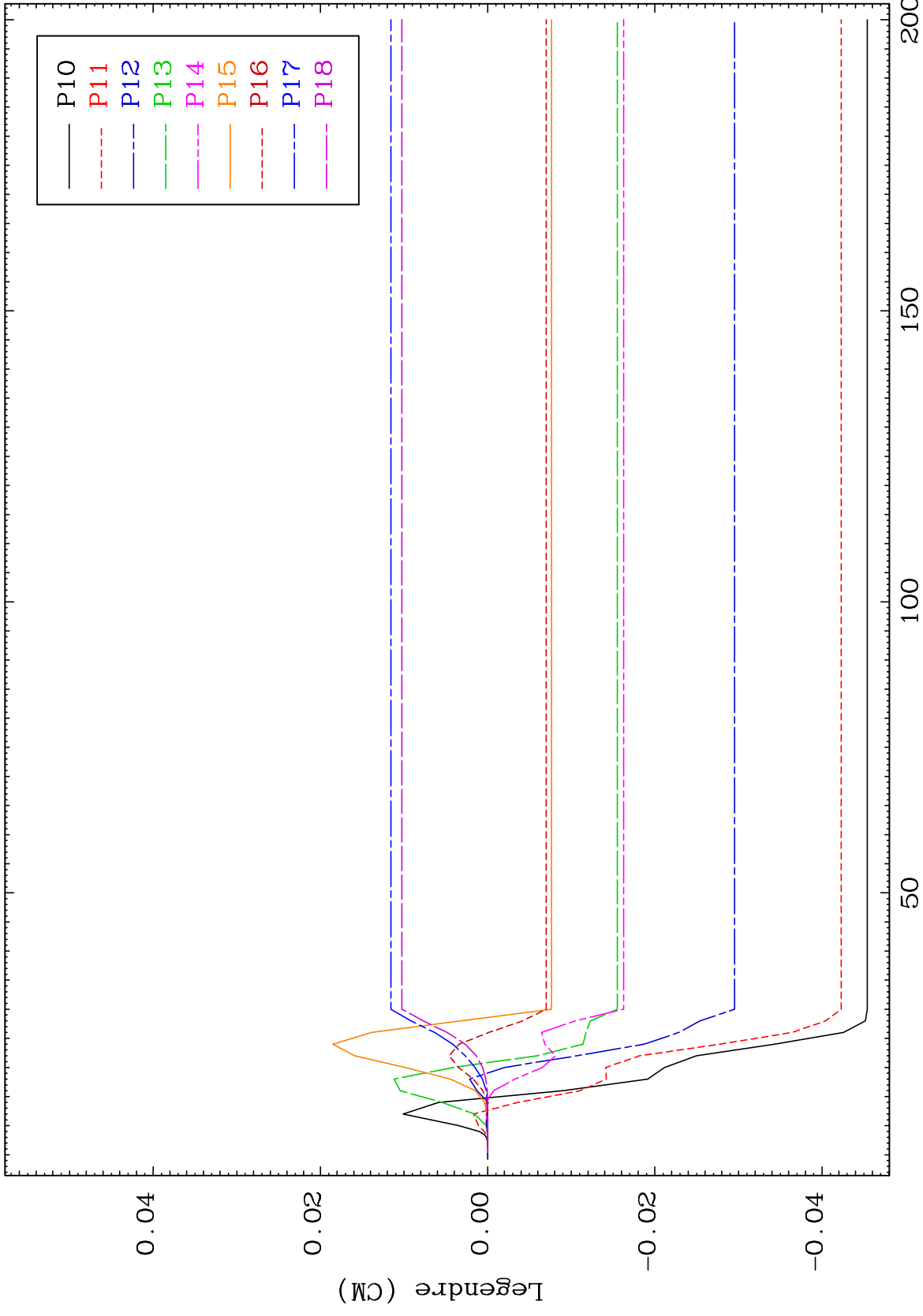
51-Sb-133



MAT 5161

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

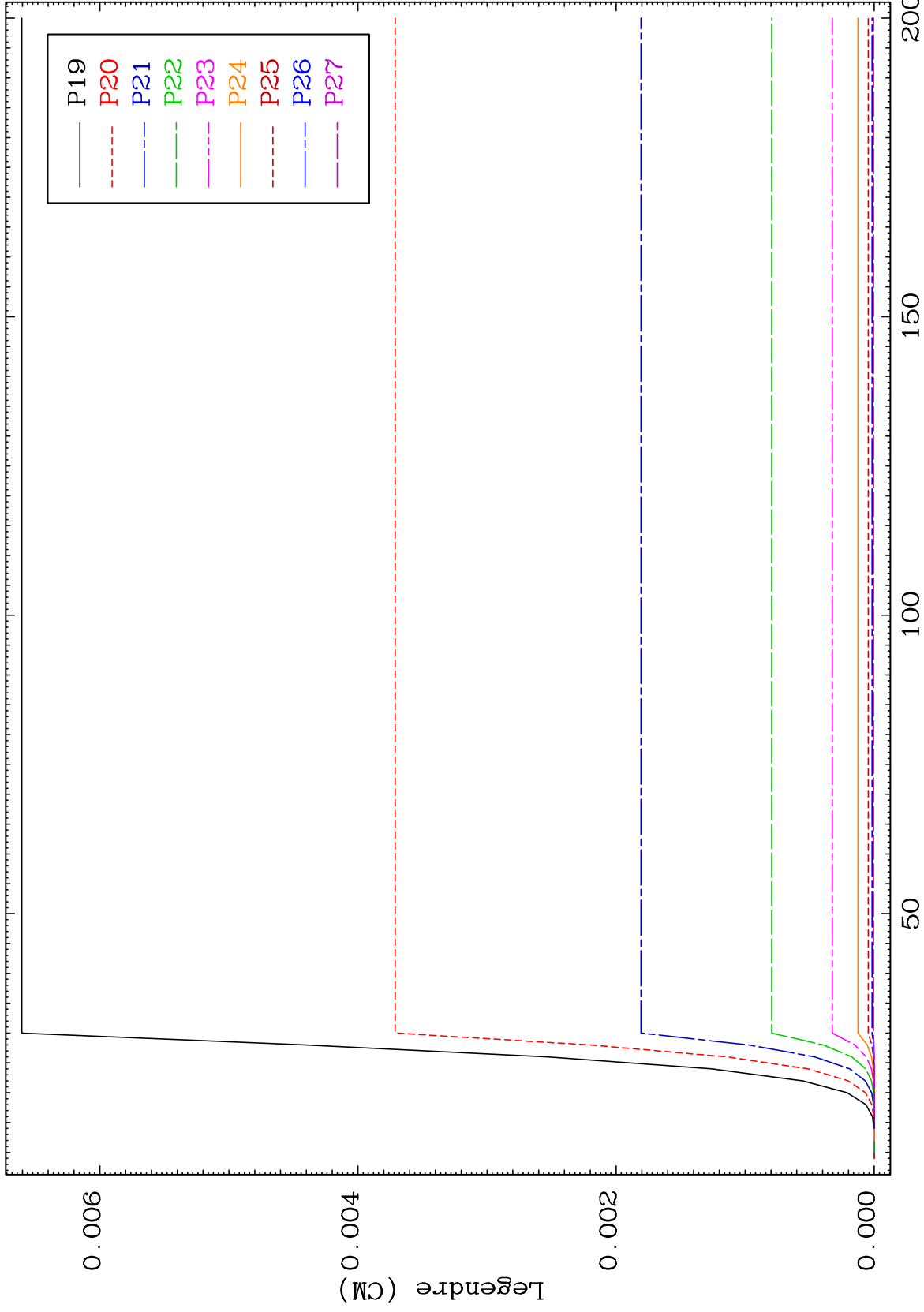
51-Sb-133



43

Incident Energy (MeV)

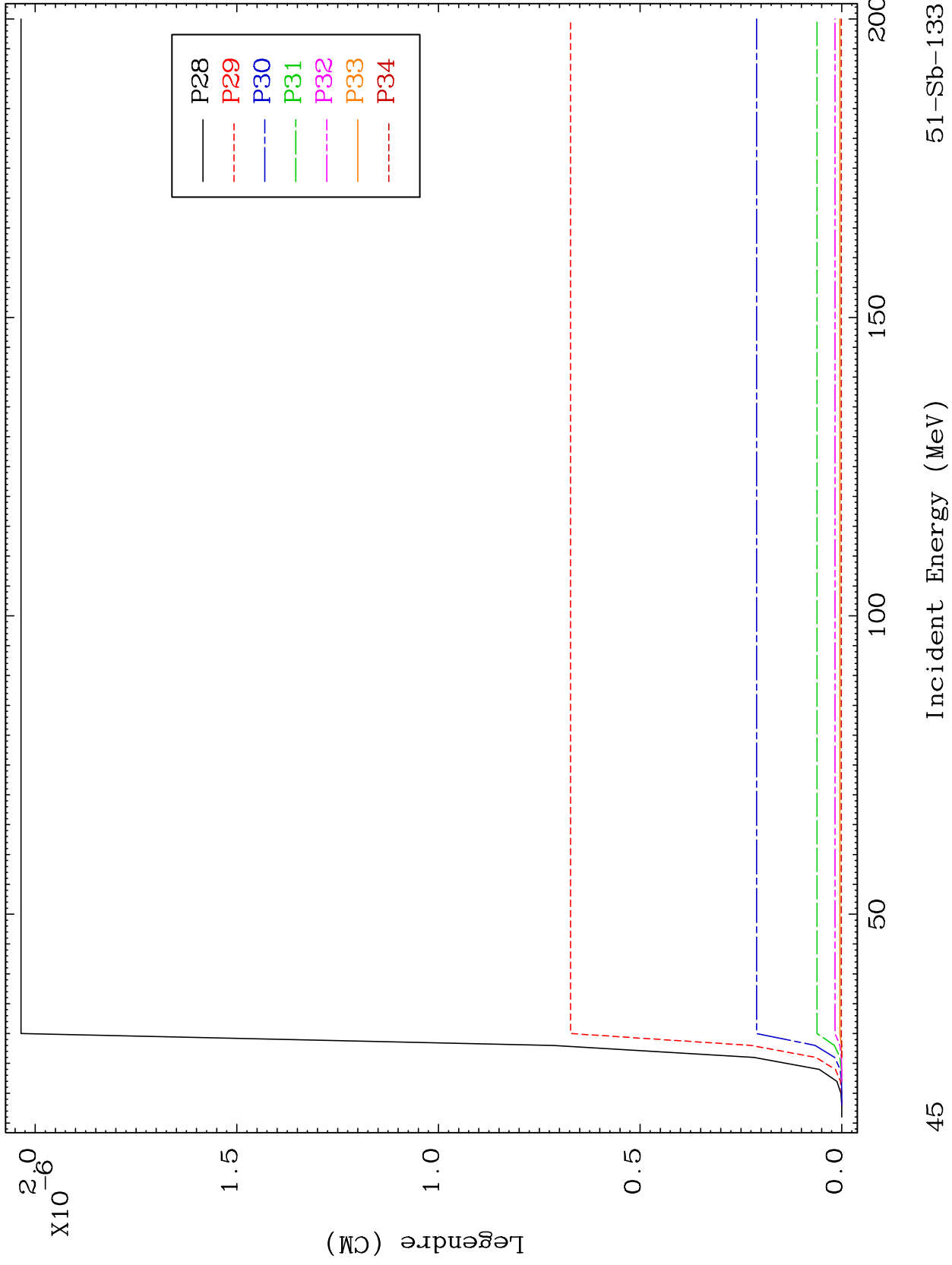
51-Sb-133



MAT 5161

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

51-Sb-133



51-Sb-133

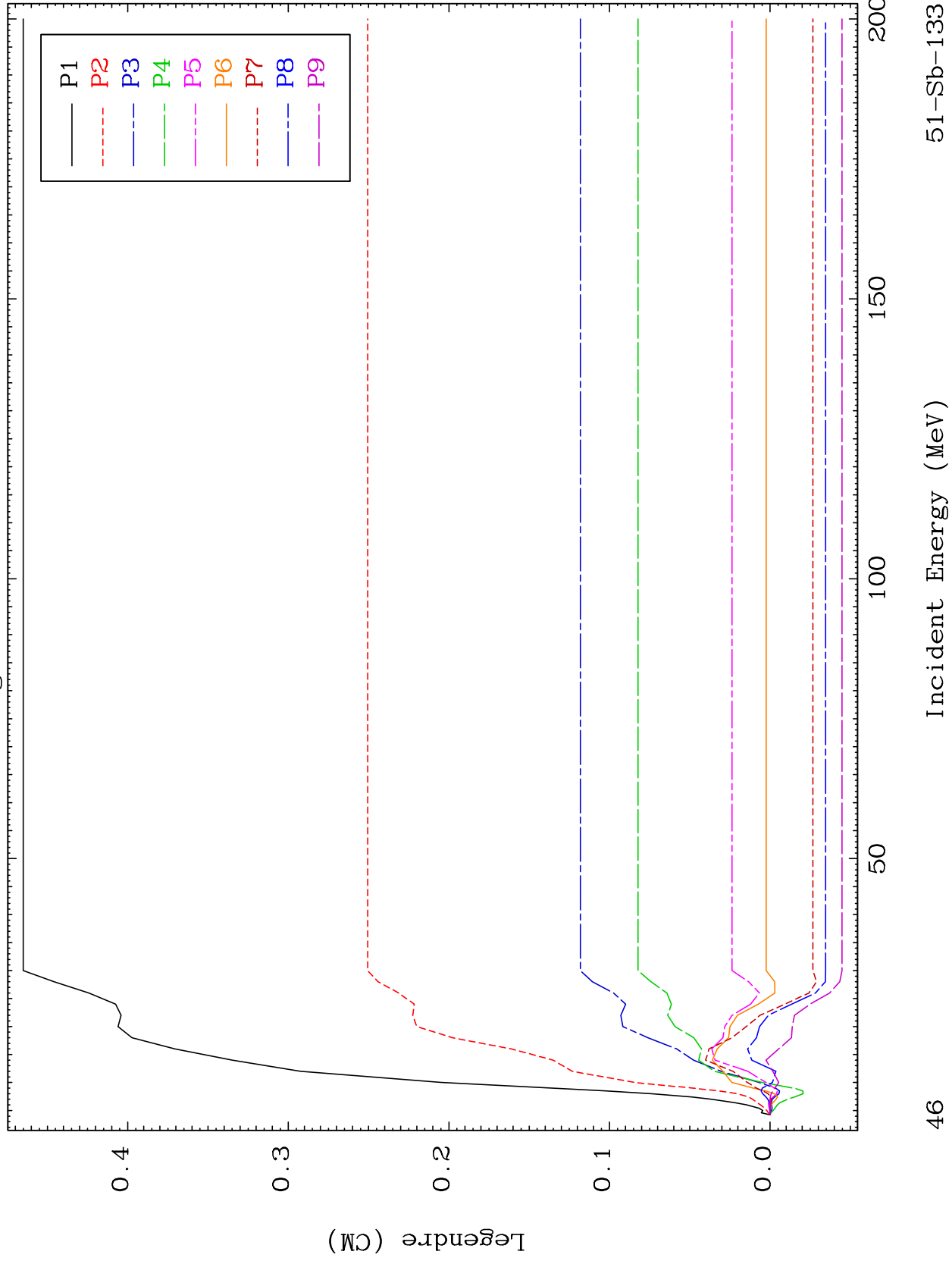
Incident Energy (MeV)

45

MAT 5161

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

51-Sb-133



46

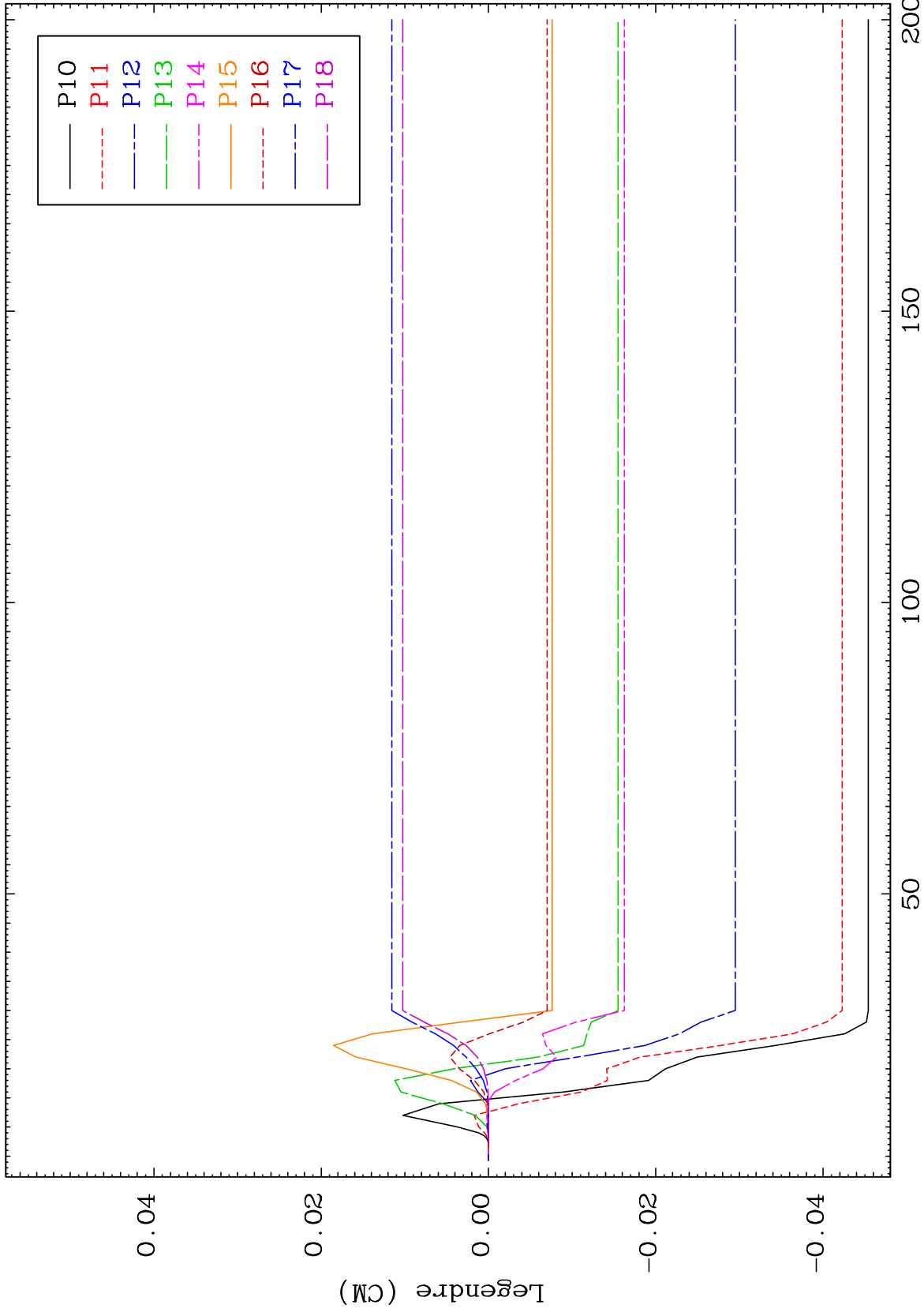
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



47

Incident Energy (MeV)

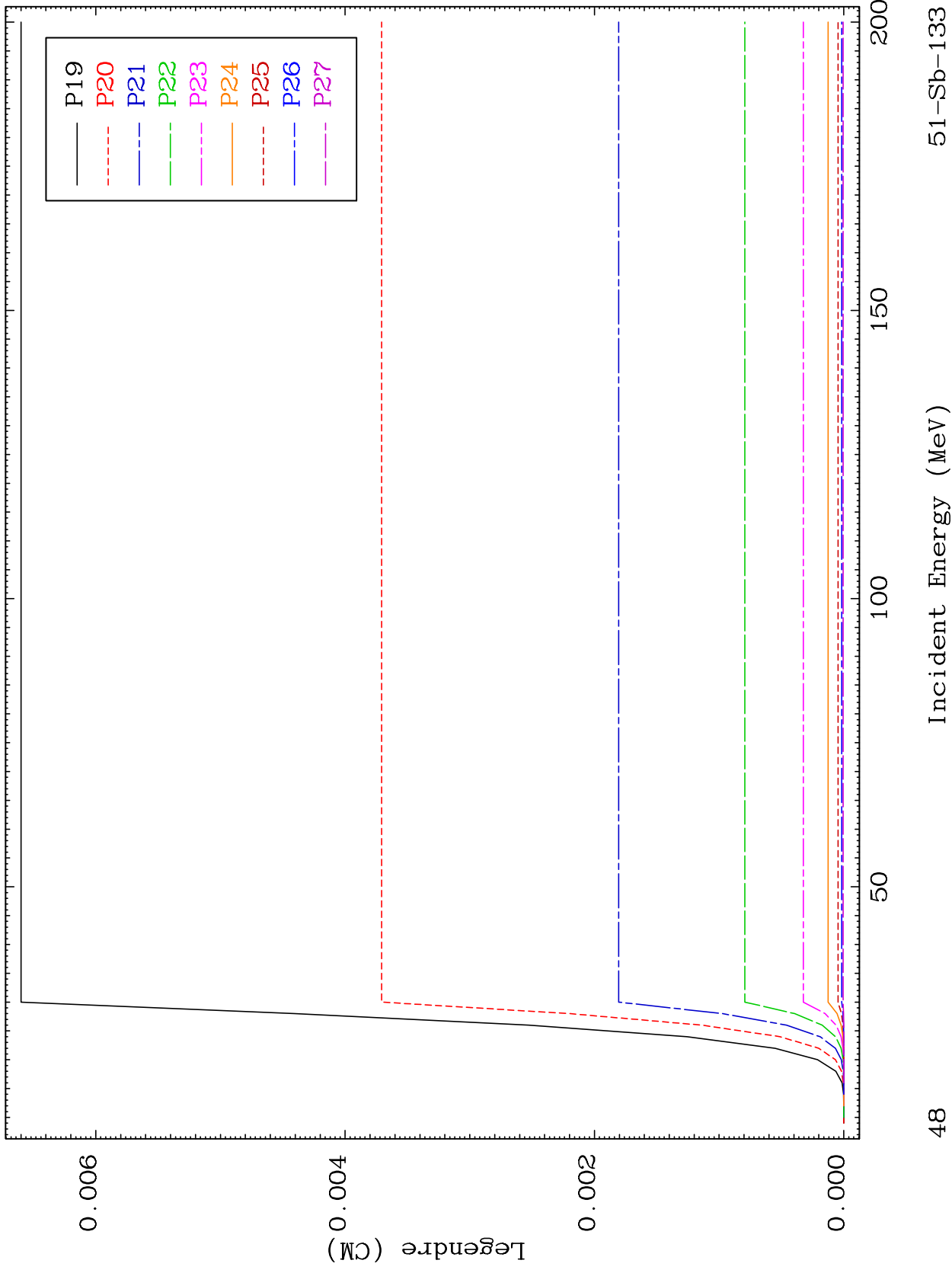
51-Sb-133



MAT 5161

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

51-Sb-133



48

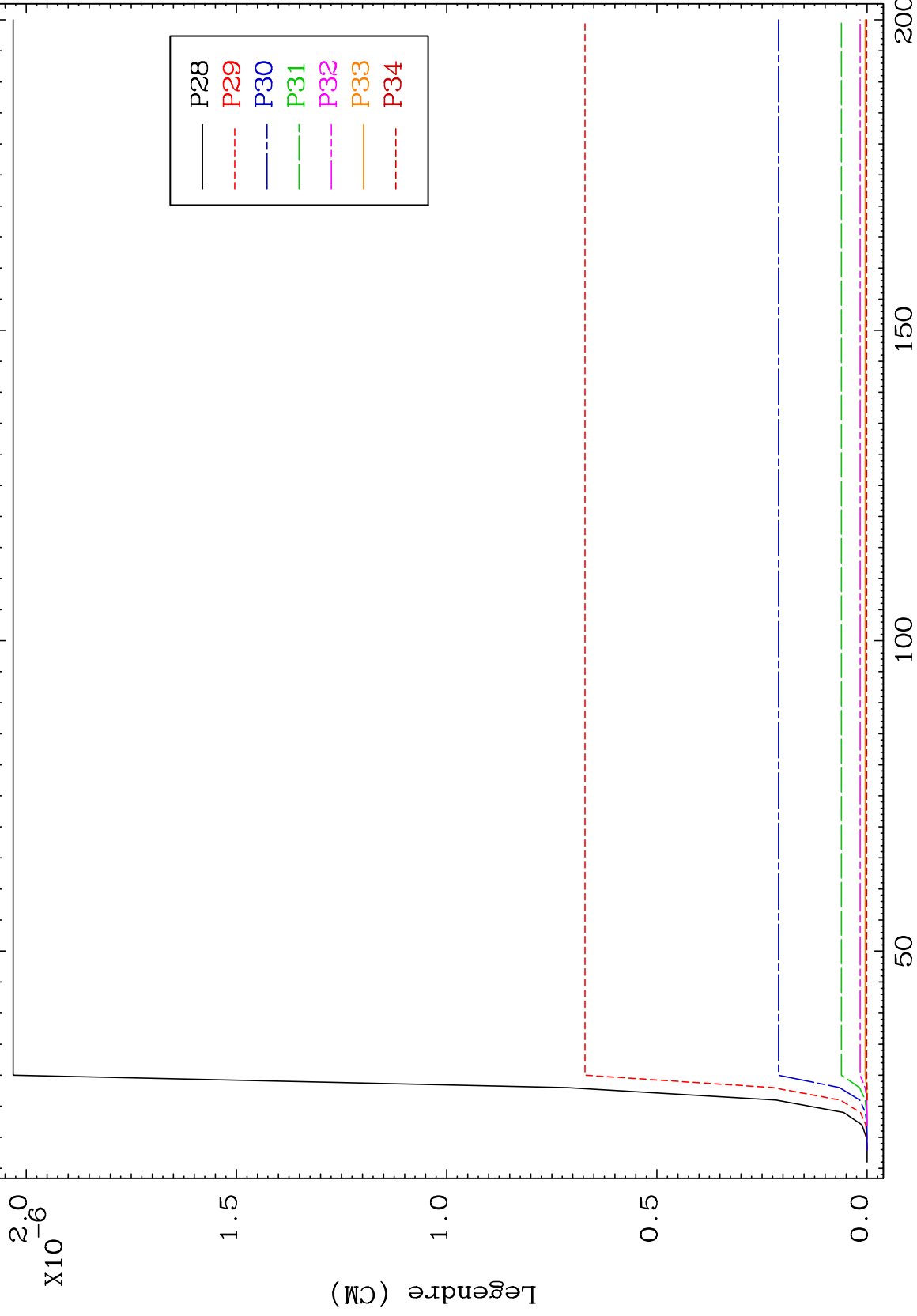
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



49

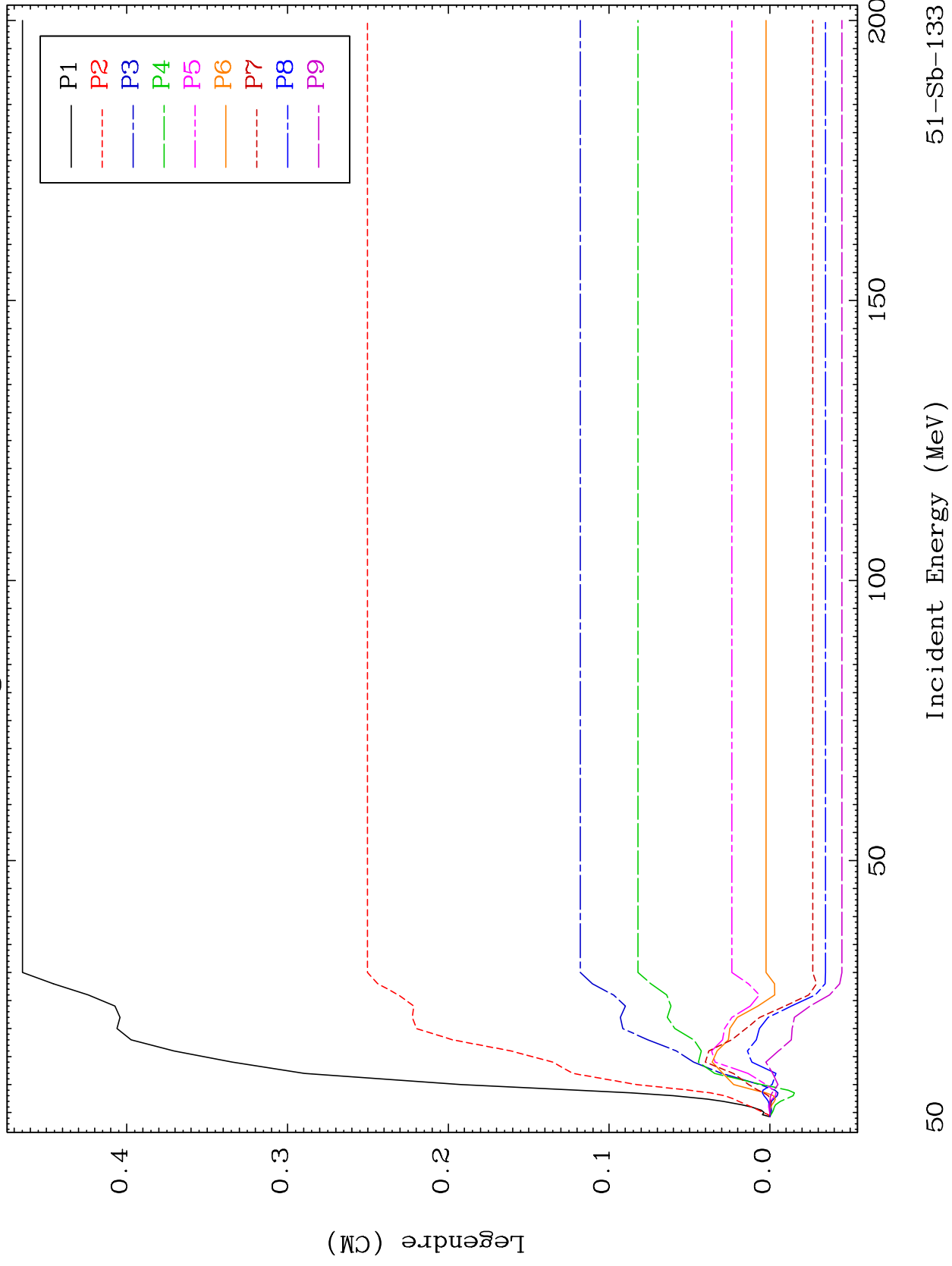
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



51-Sb-133

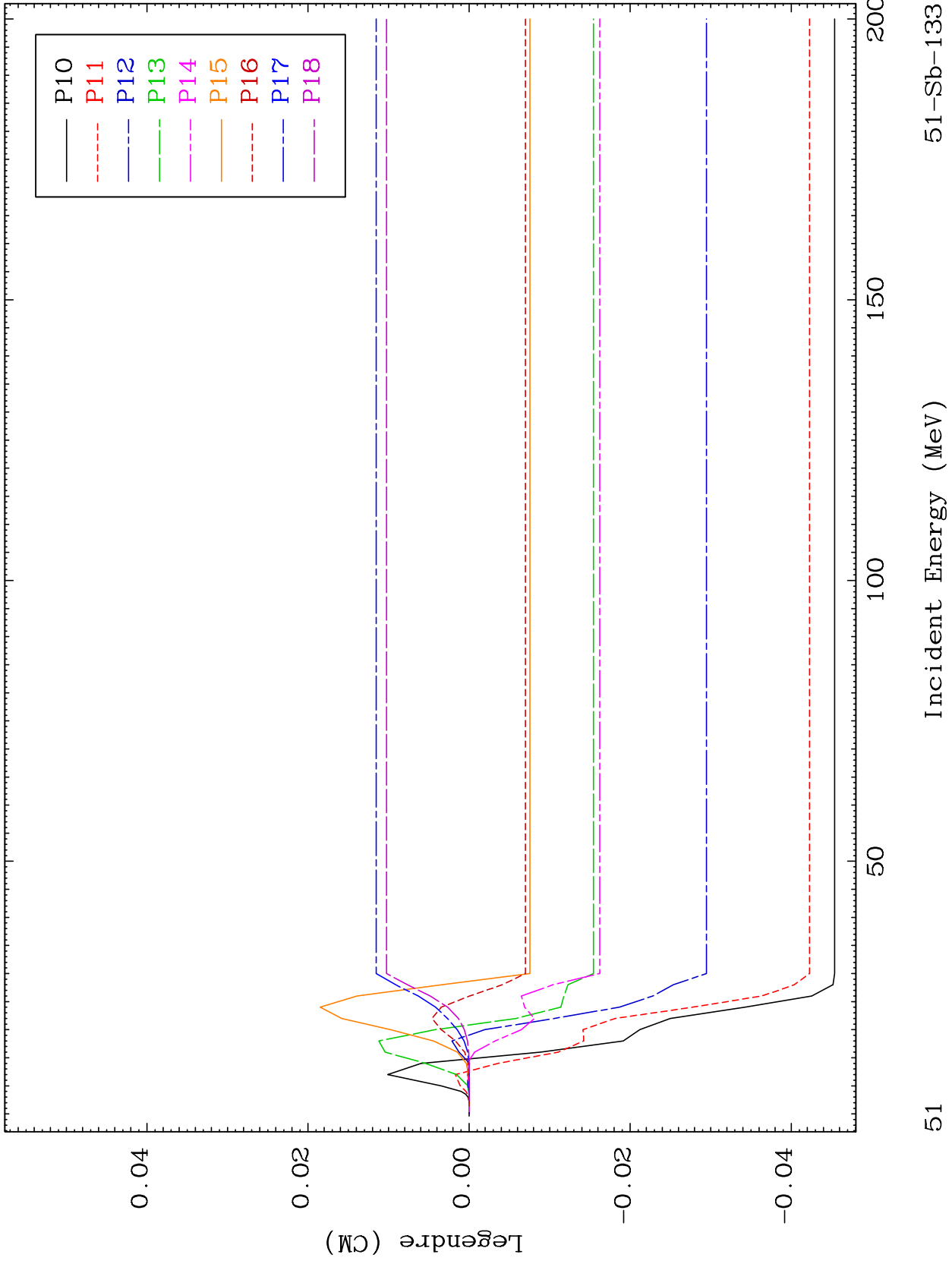
Incident Energy (MeV)

50

MAT 5161

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

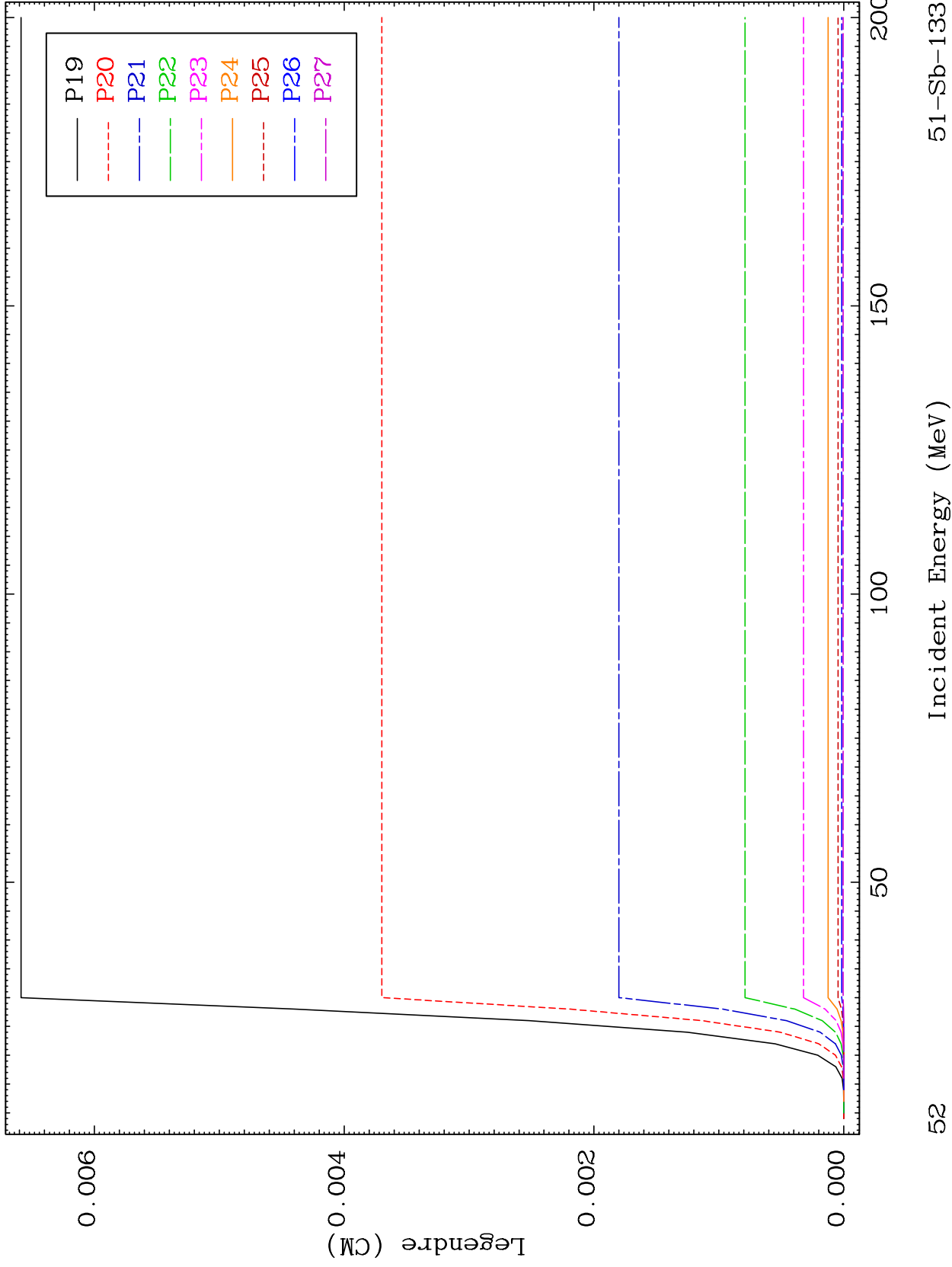
51-Sb-133



51

Incident Energy (MeV)

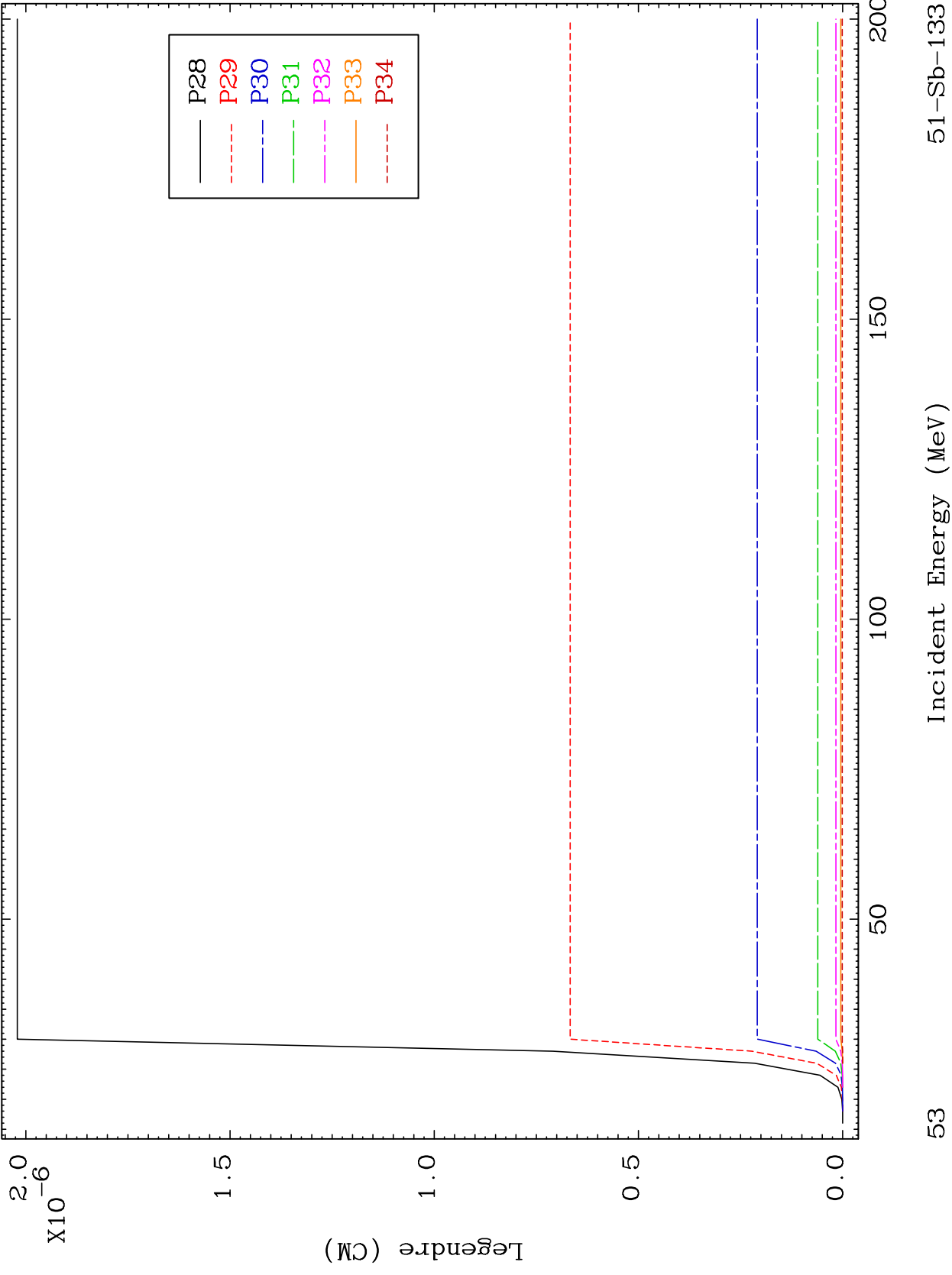
51-Sb-133

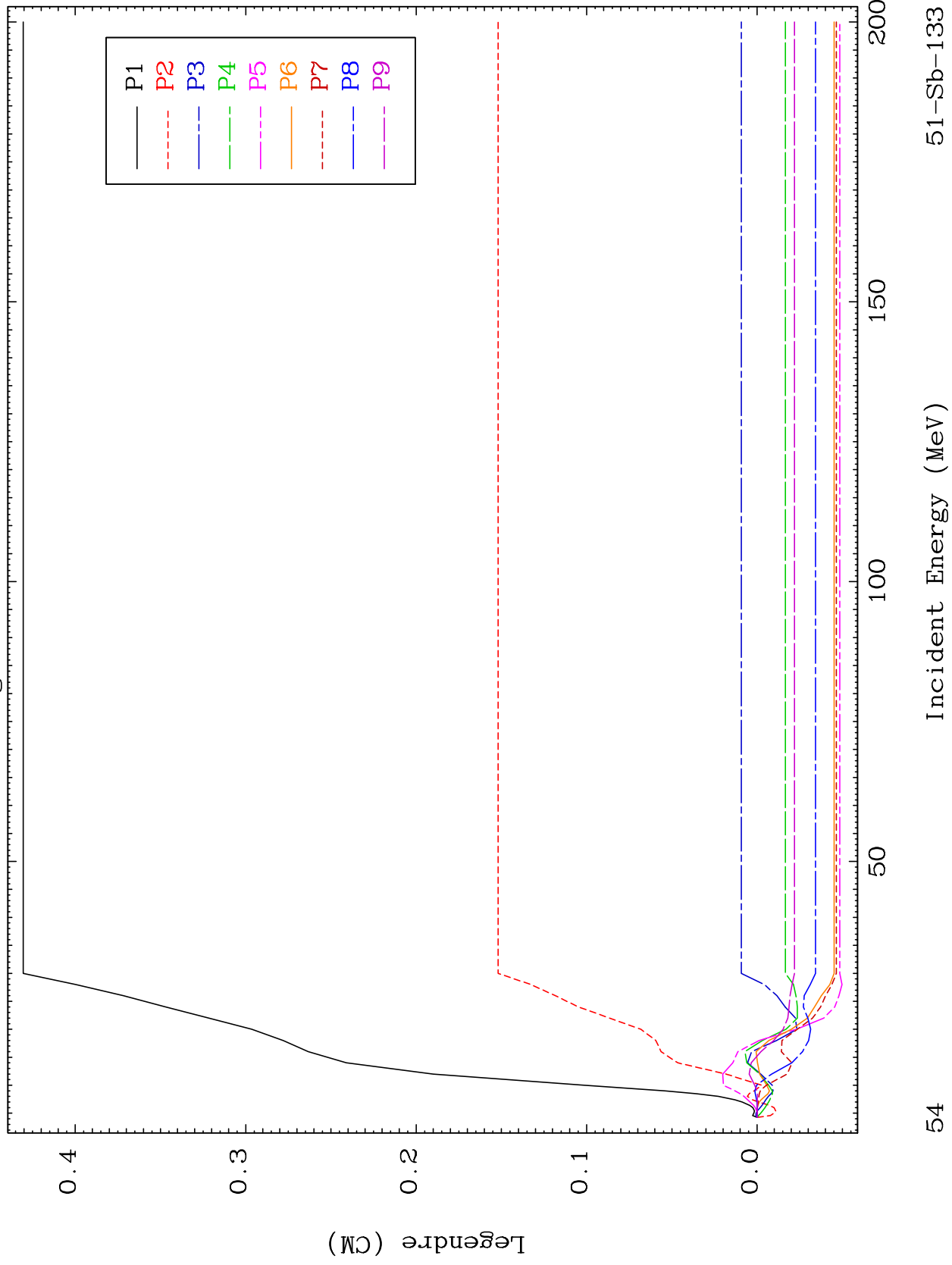


MAT 5161

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

51-Sb-133

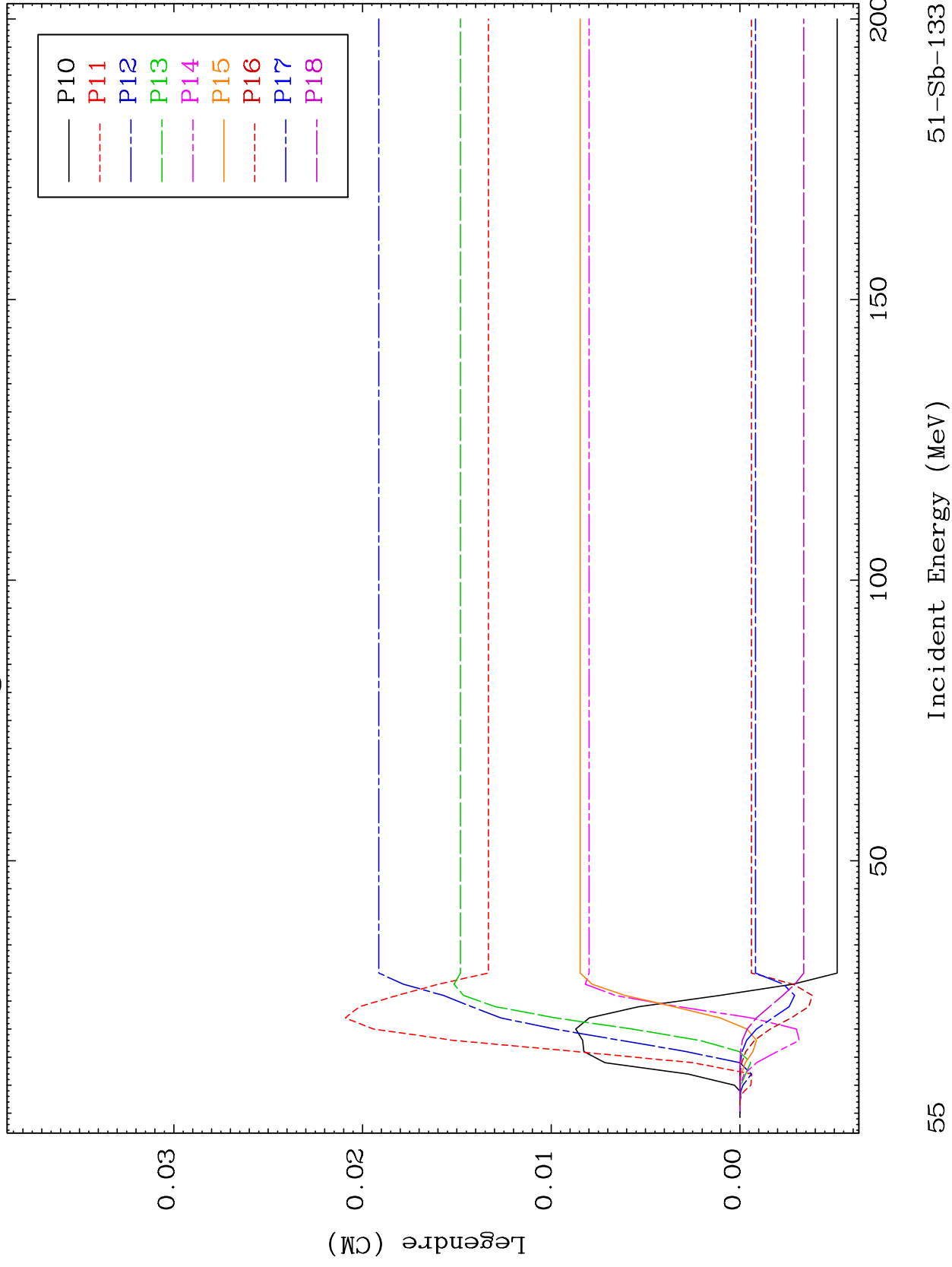




MAT 5161

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

51-Sb-133

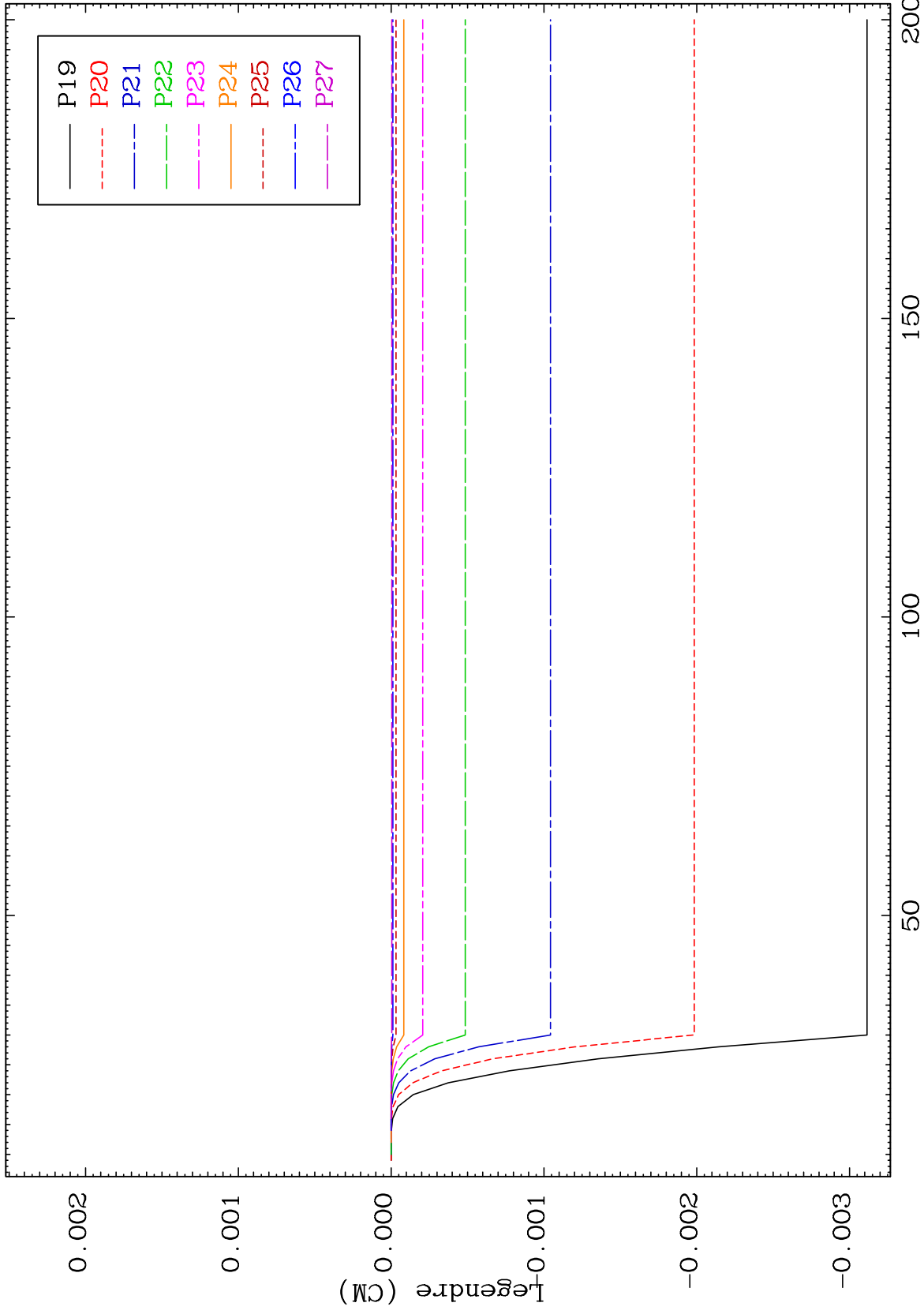


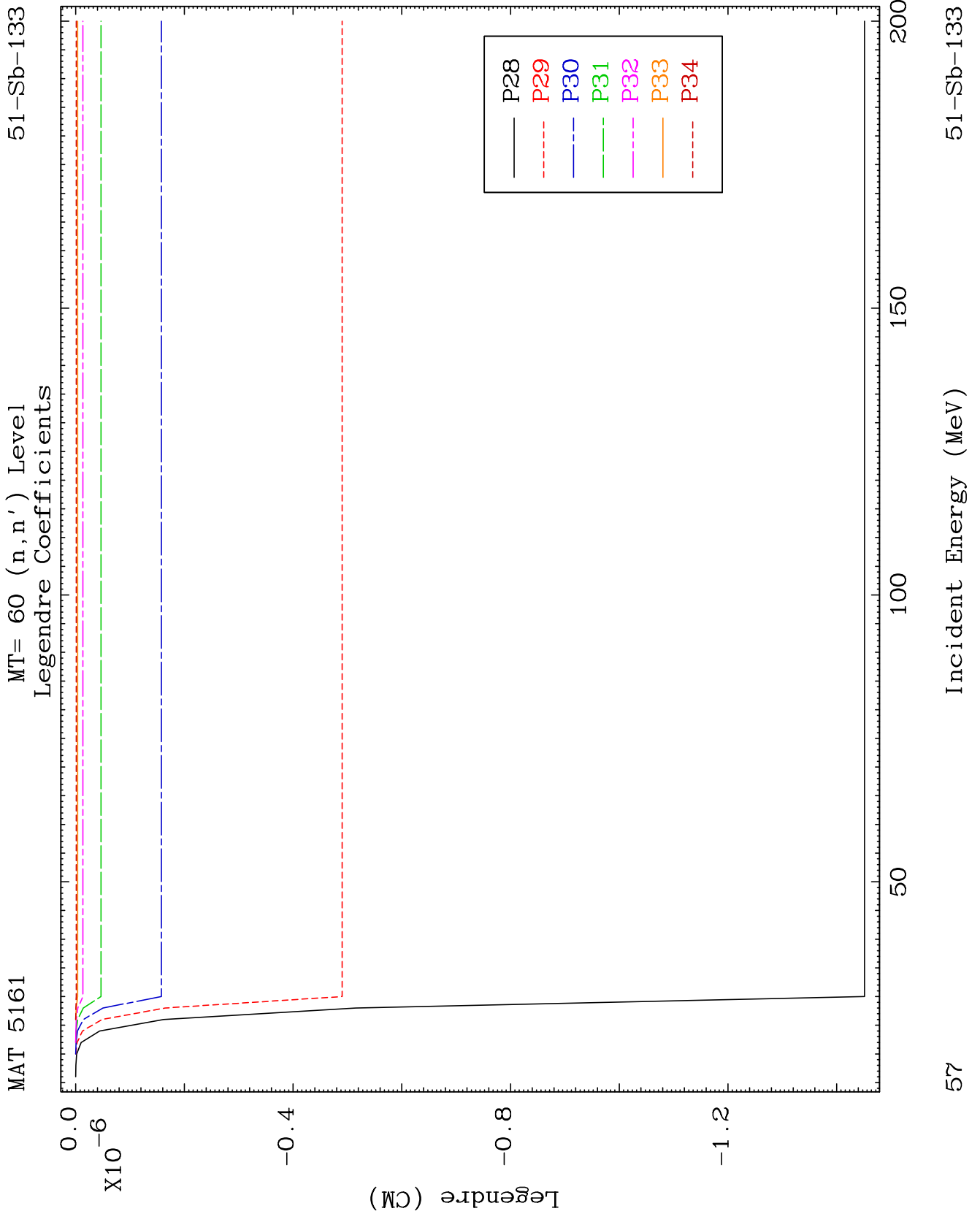
51-Sb-133

Incident Energy (MeV)

55



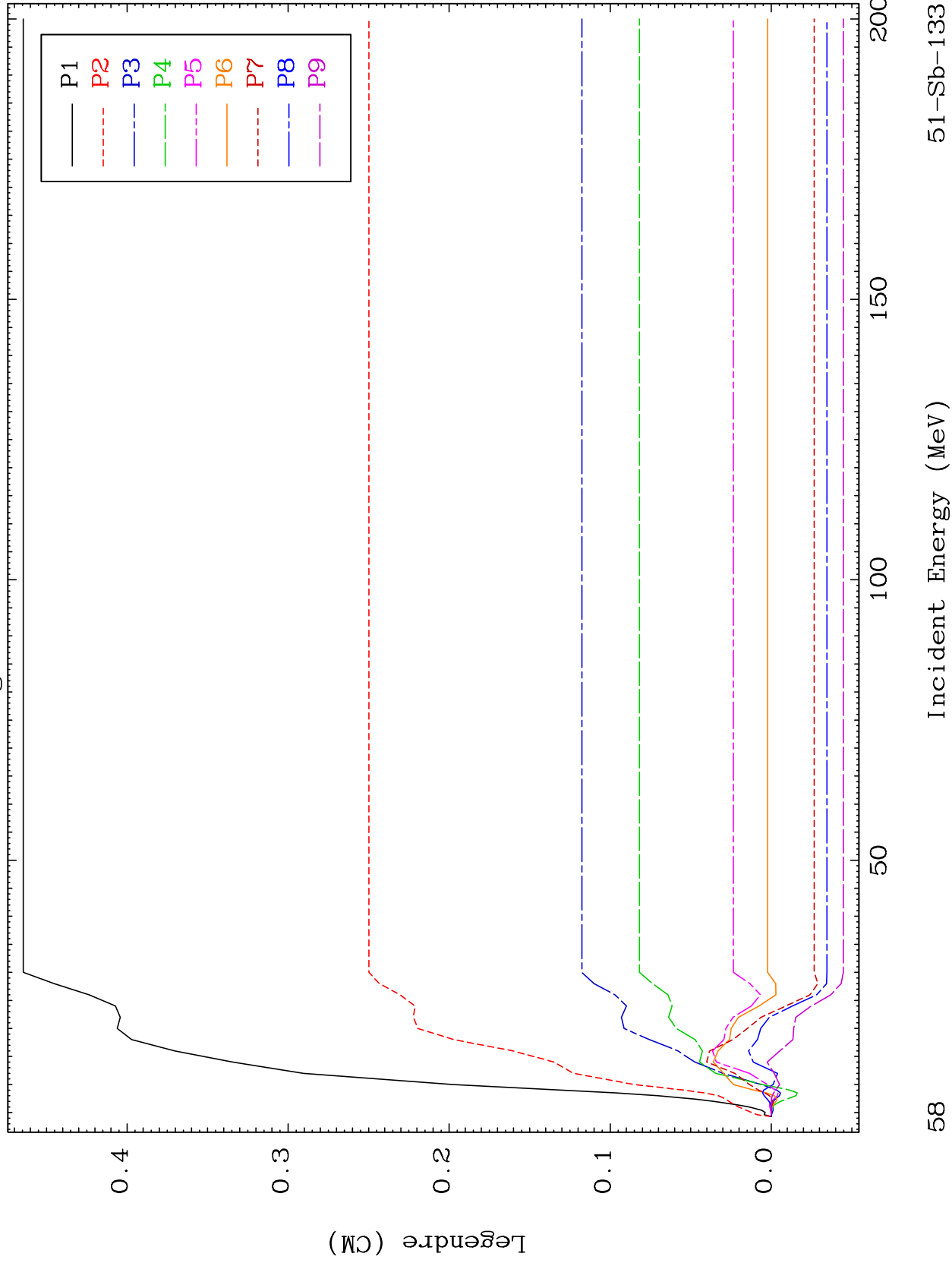




MAT 5161

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

51-Sb-133



58

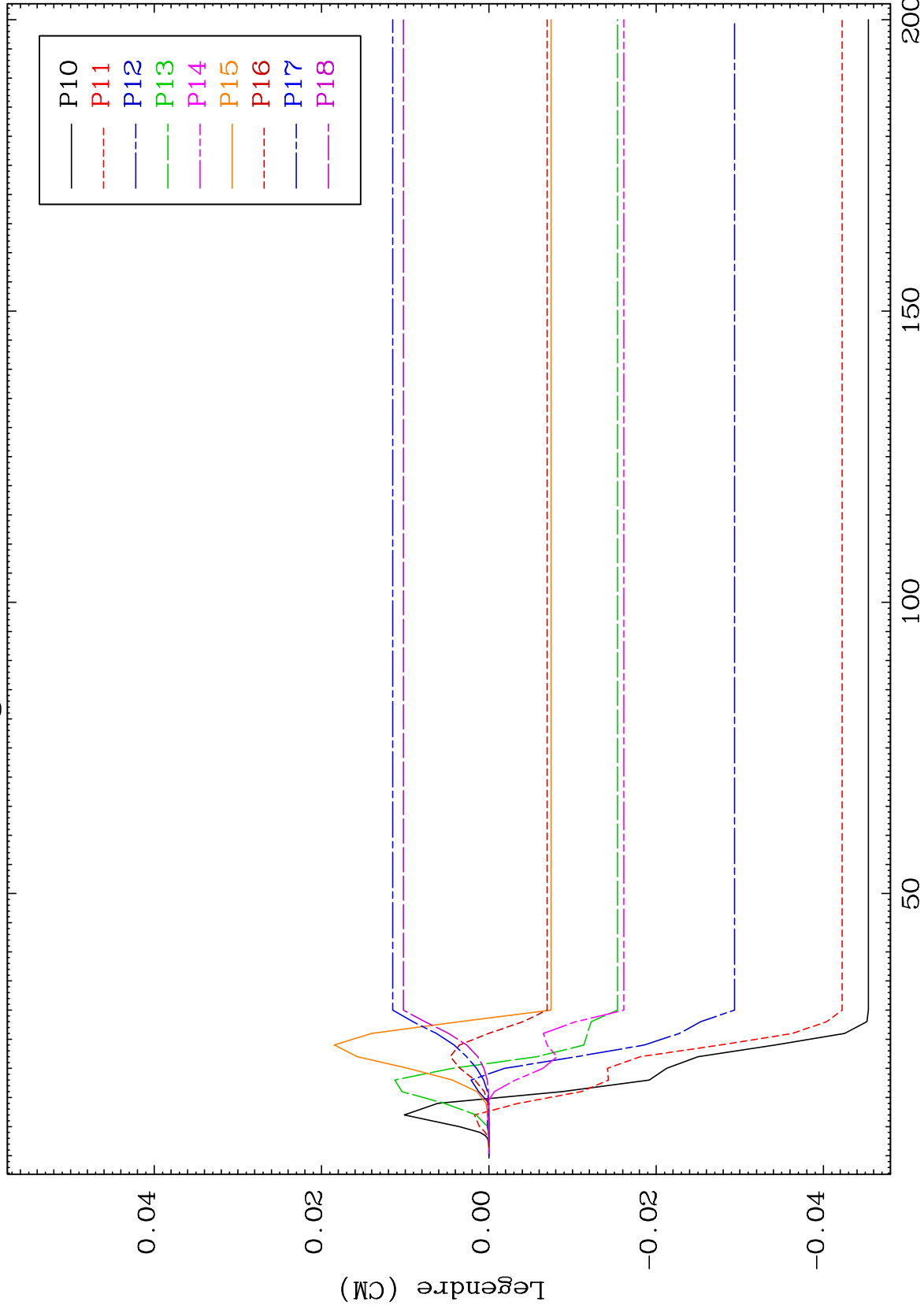
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



59

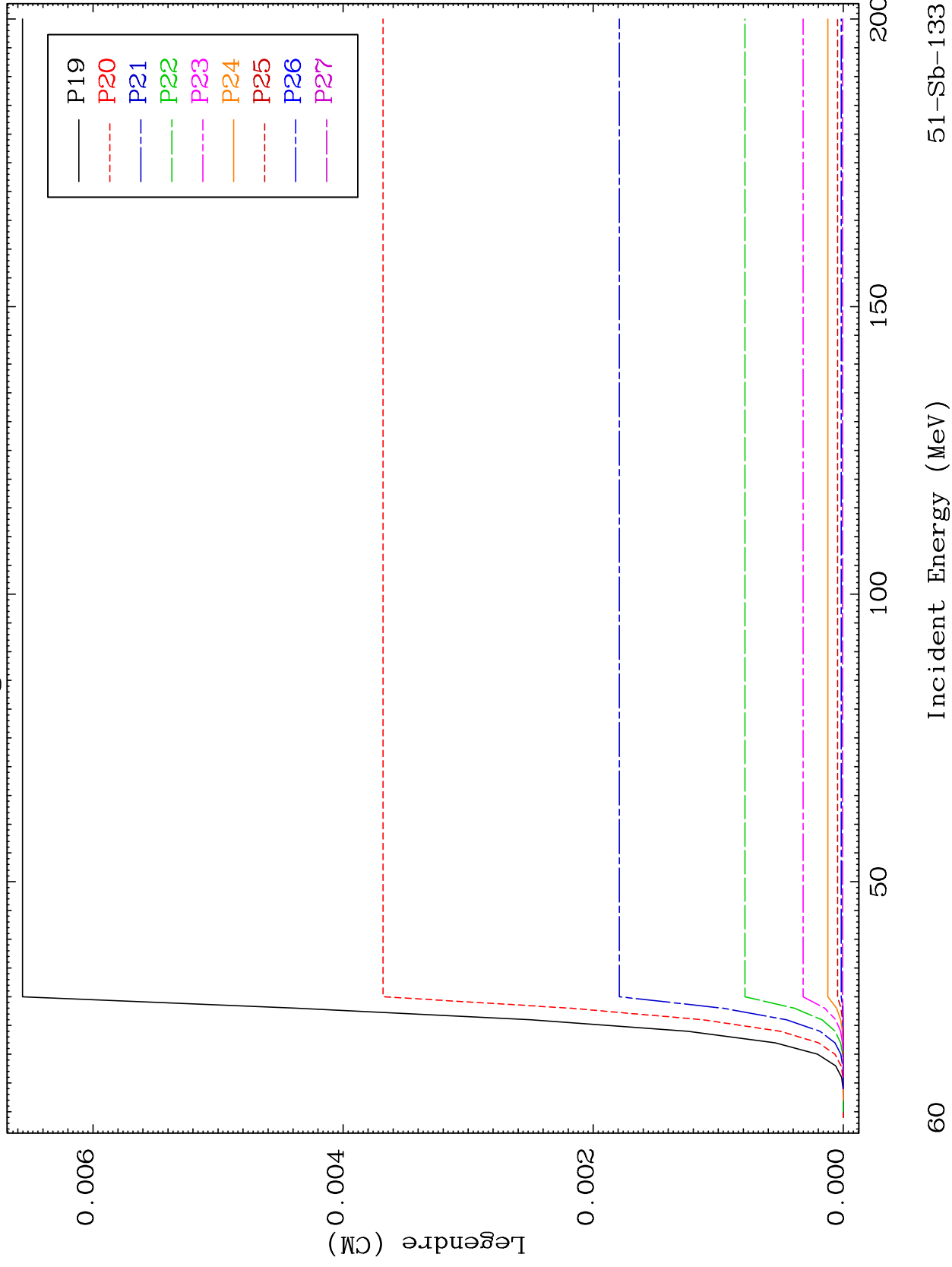
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



51-Sb-133

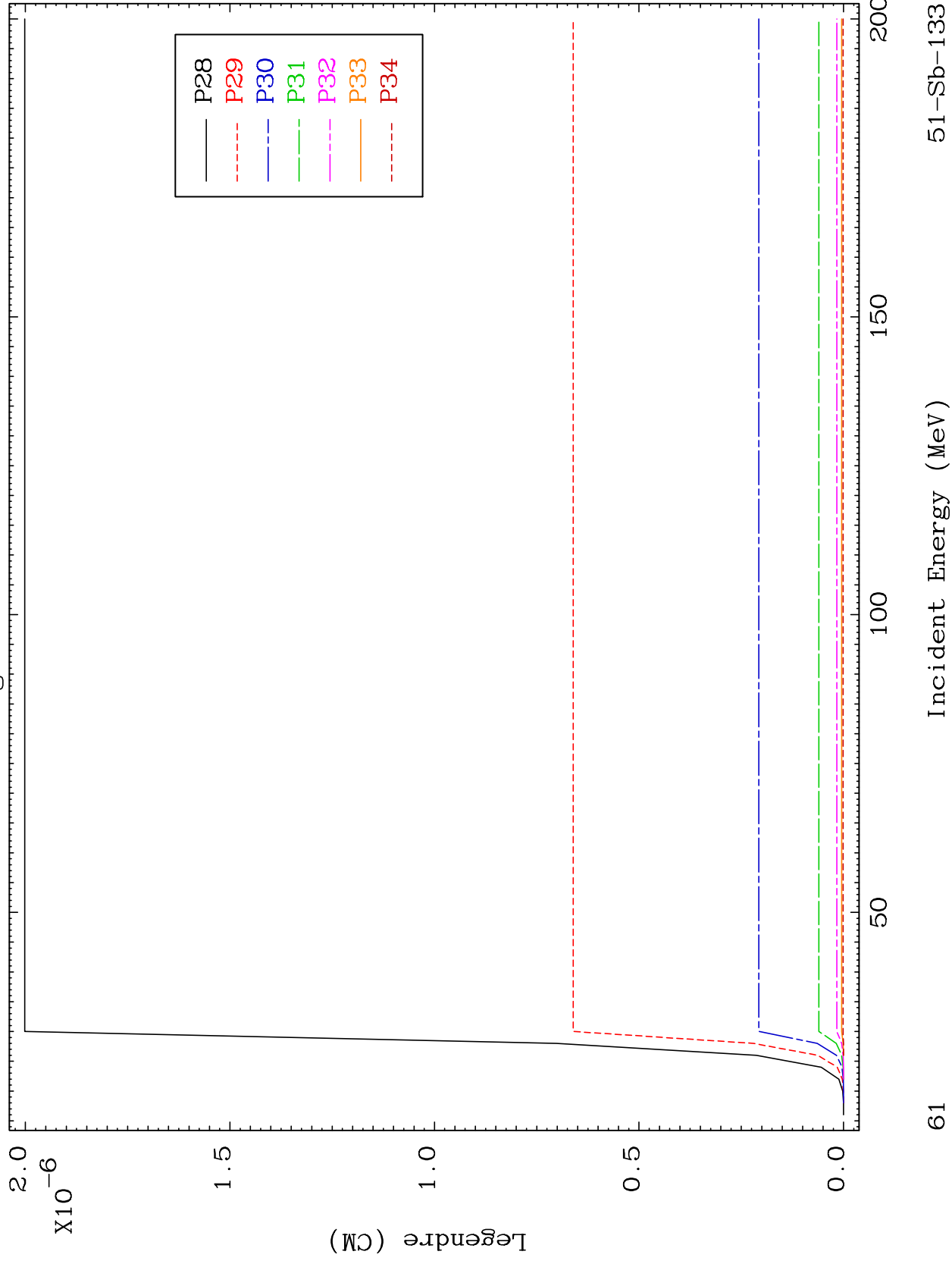
Incident Energy (MeV)

60

MAT 5161

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

51-Sb-133



61

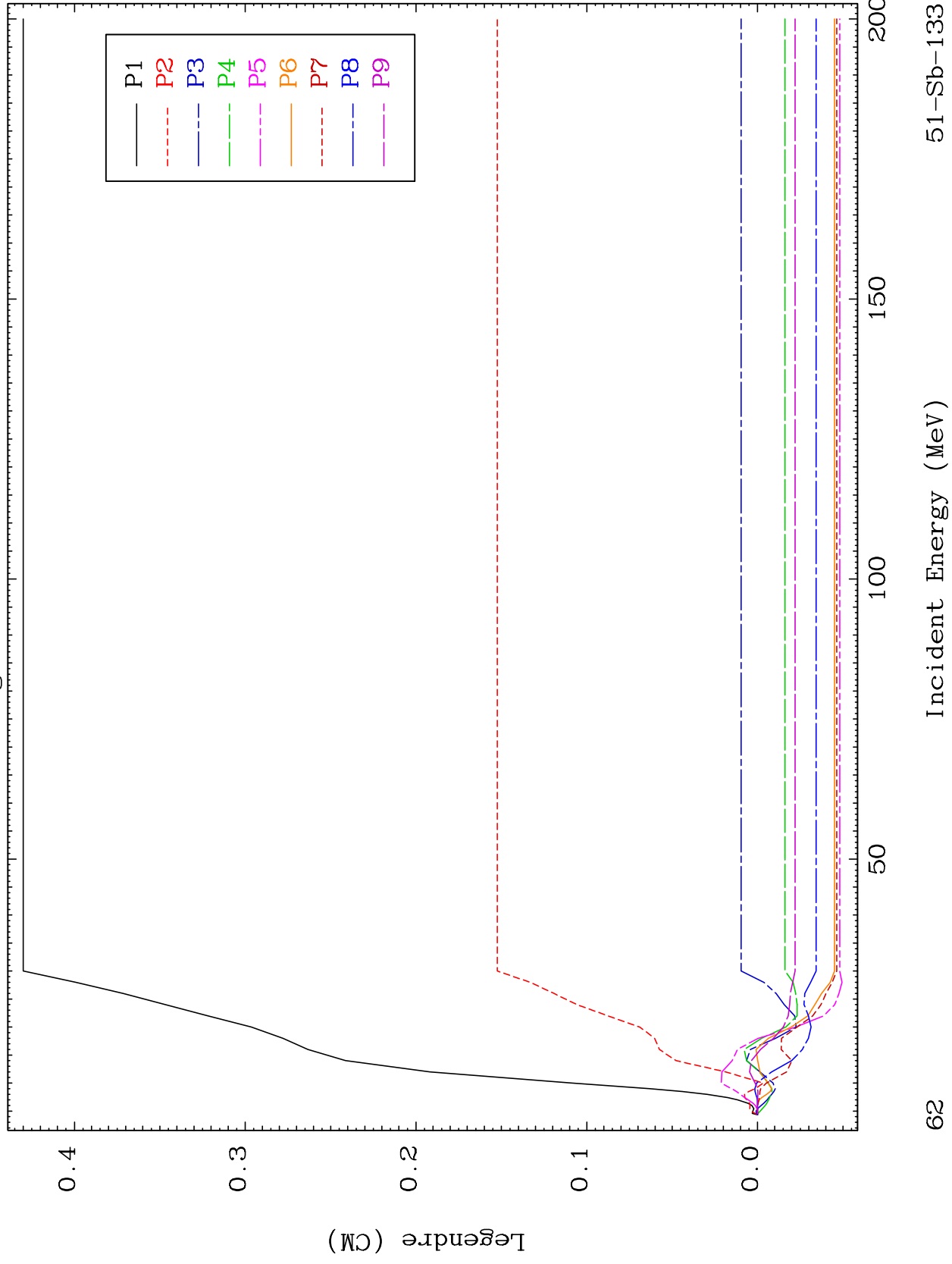
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

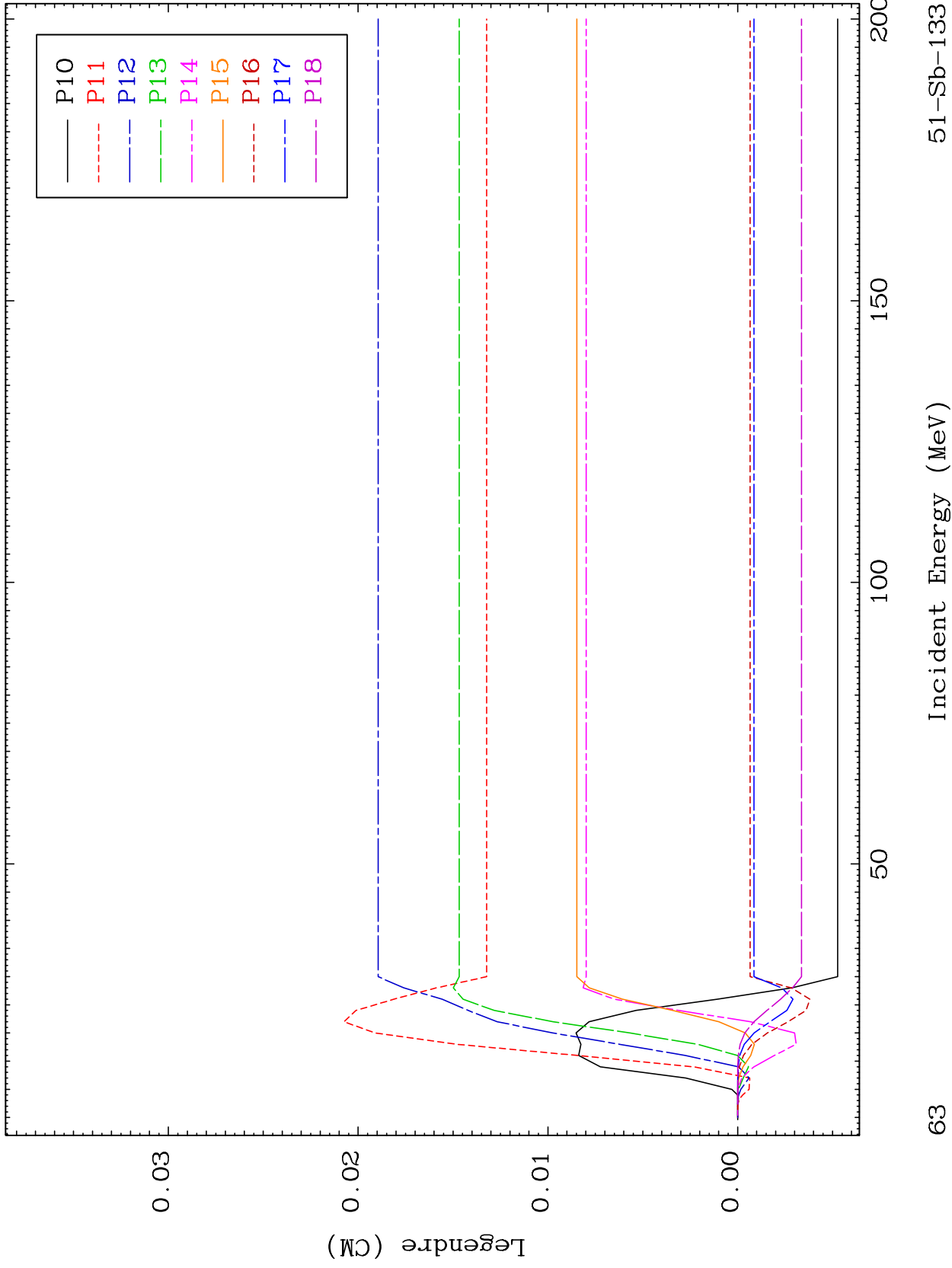
51-Sb-133



62

Incident Energy (MeV)

51-Sb-133

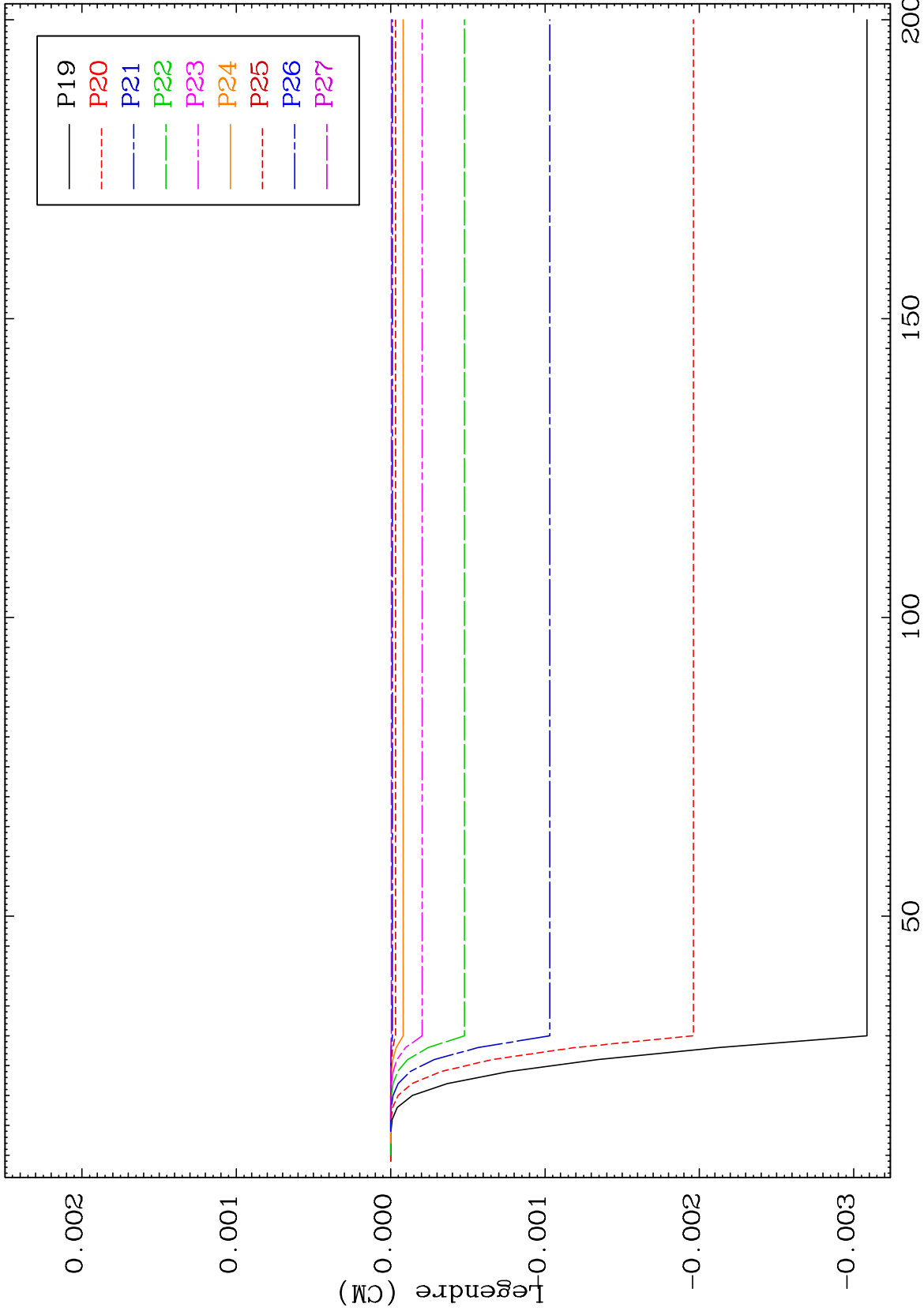




MAT 5161

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

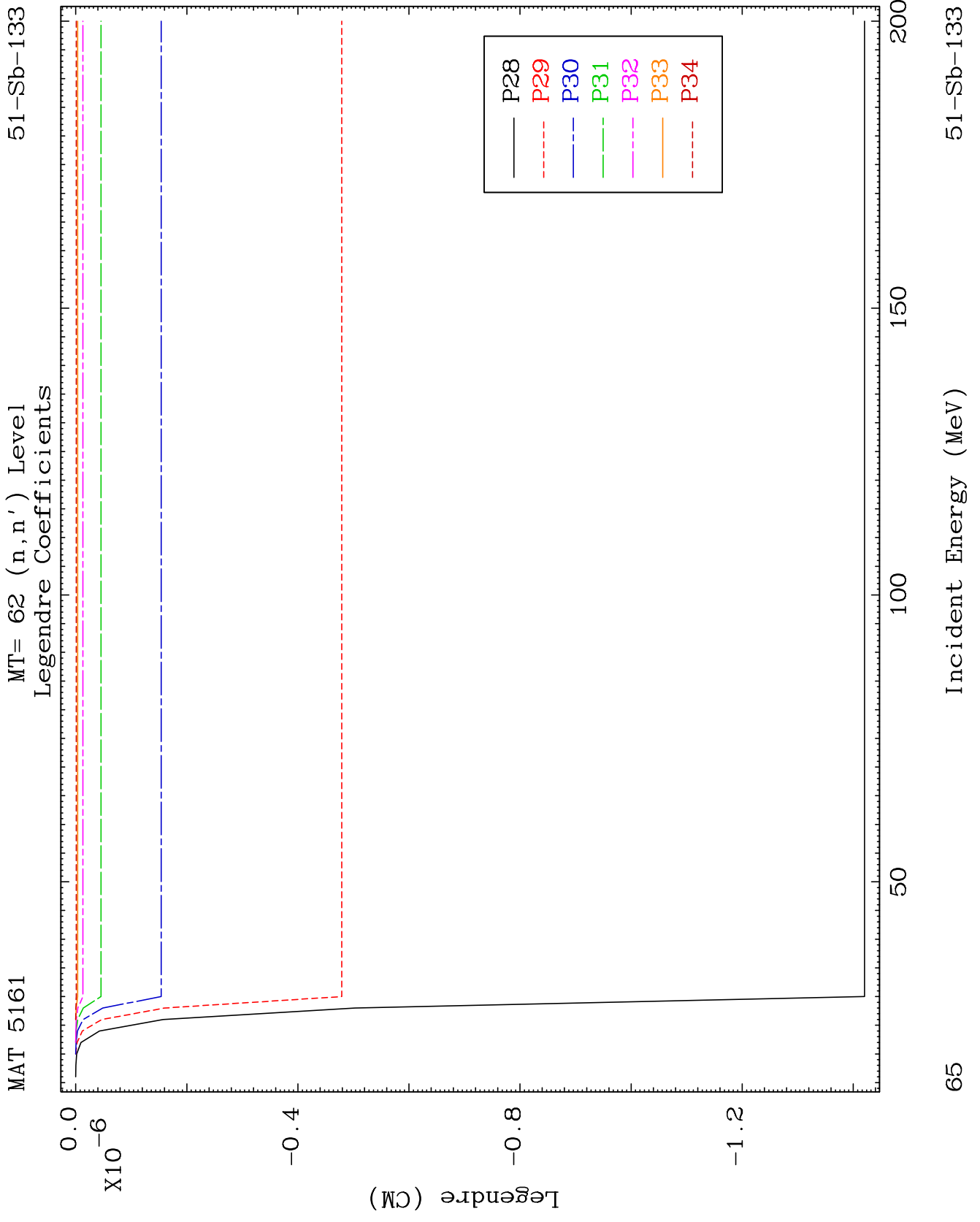
51-Sb-133



64

Incident Energy (MeV)

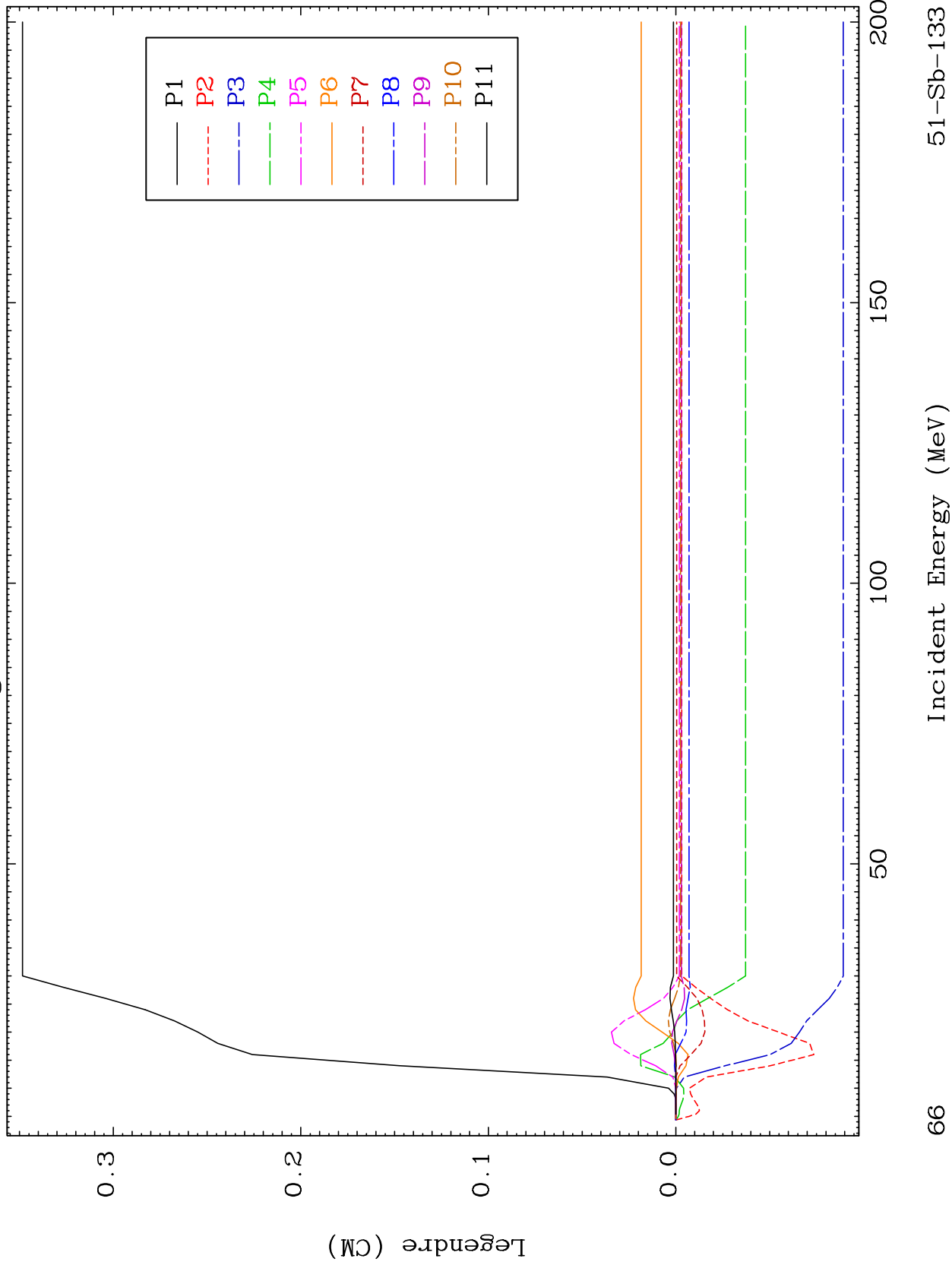
51-Sb-133



MAT 5161

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

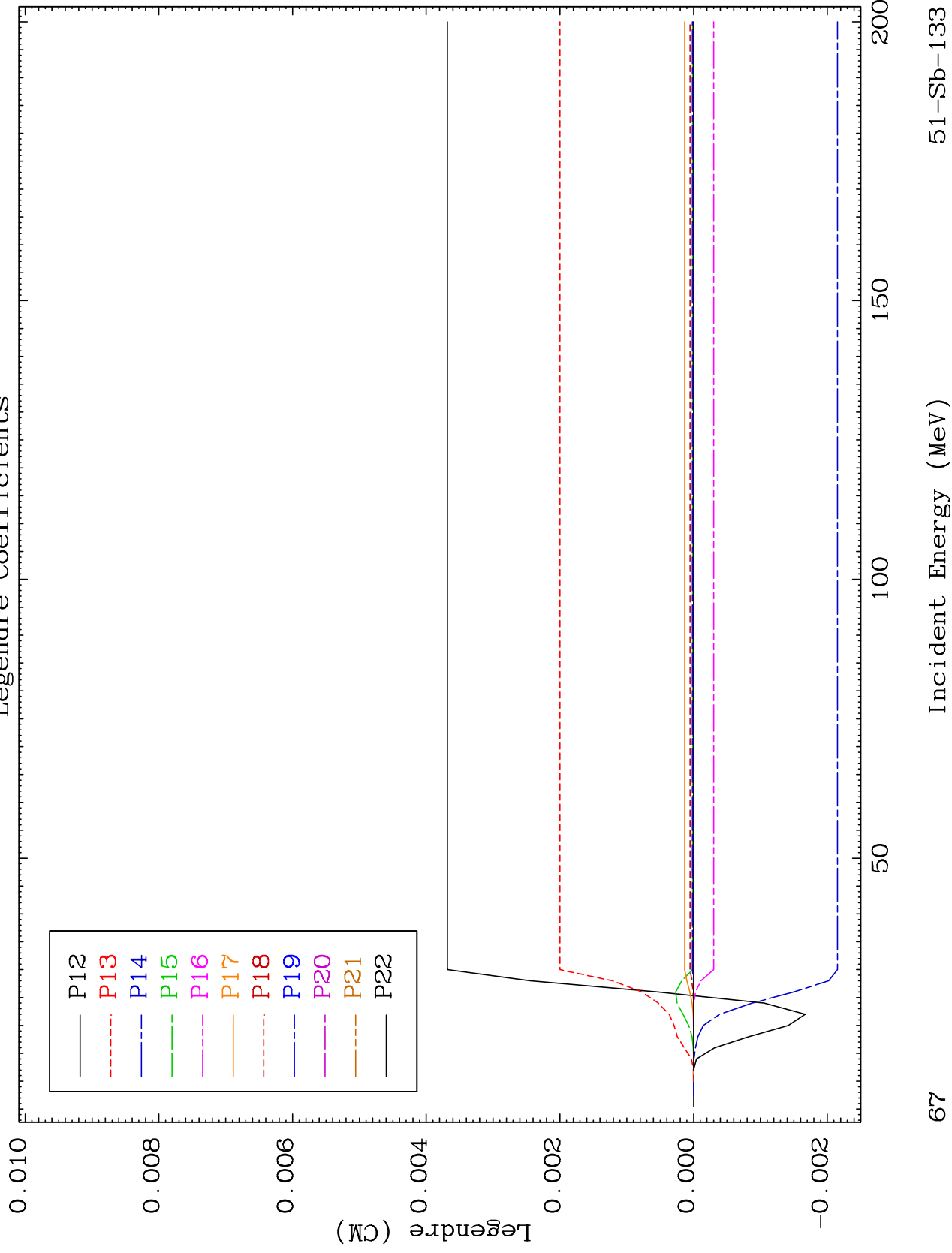
51-Sb-133



66

Incident Energy (MeV)

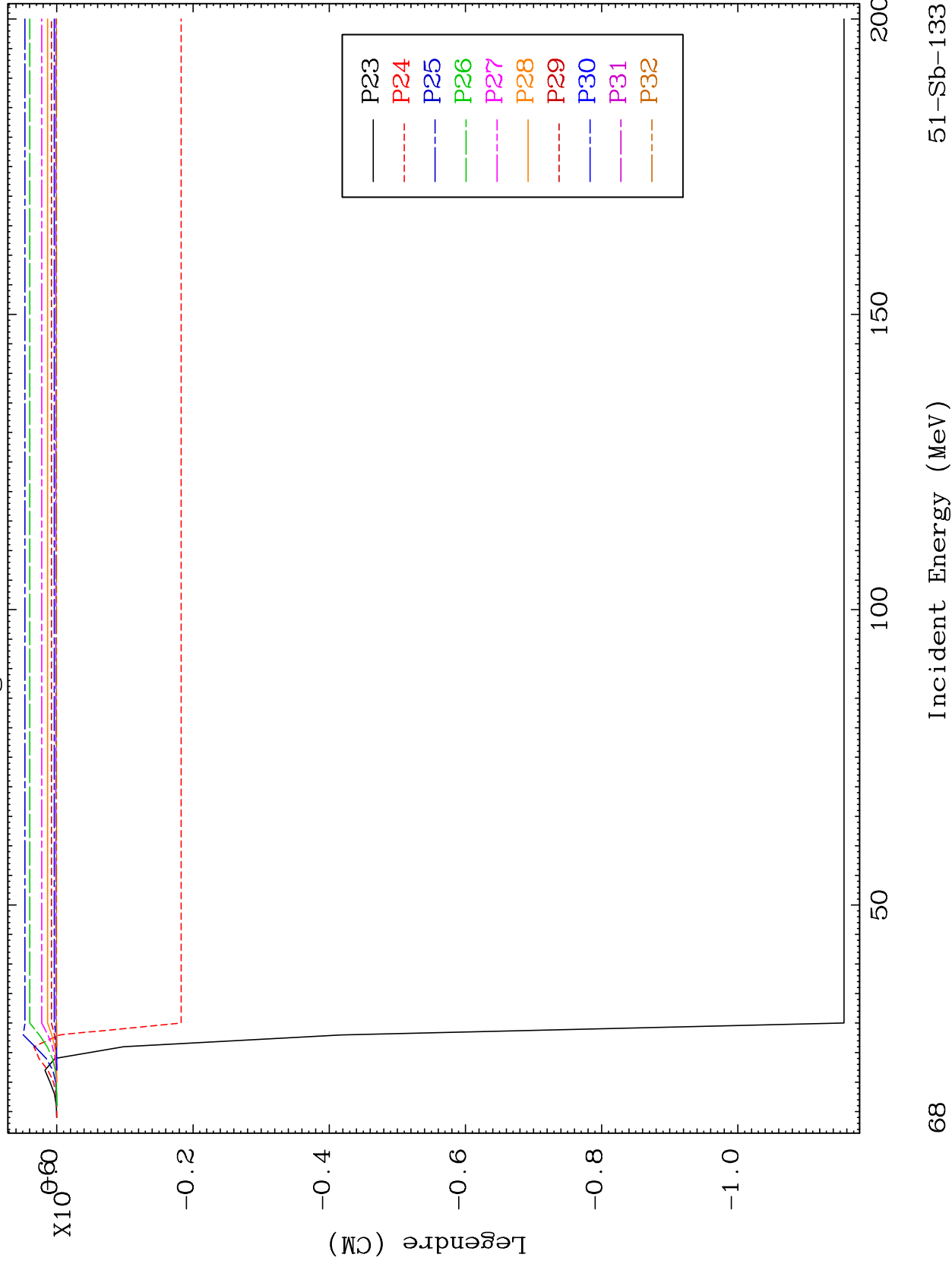
51-Sb-133



MAT 5161

51-Sb-133

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



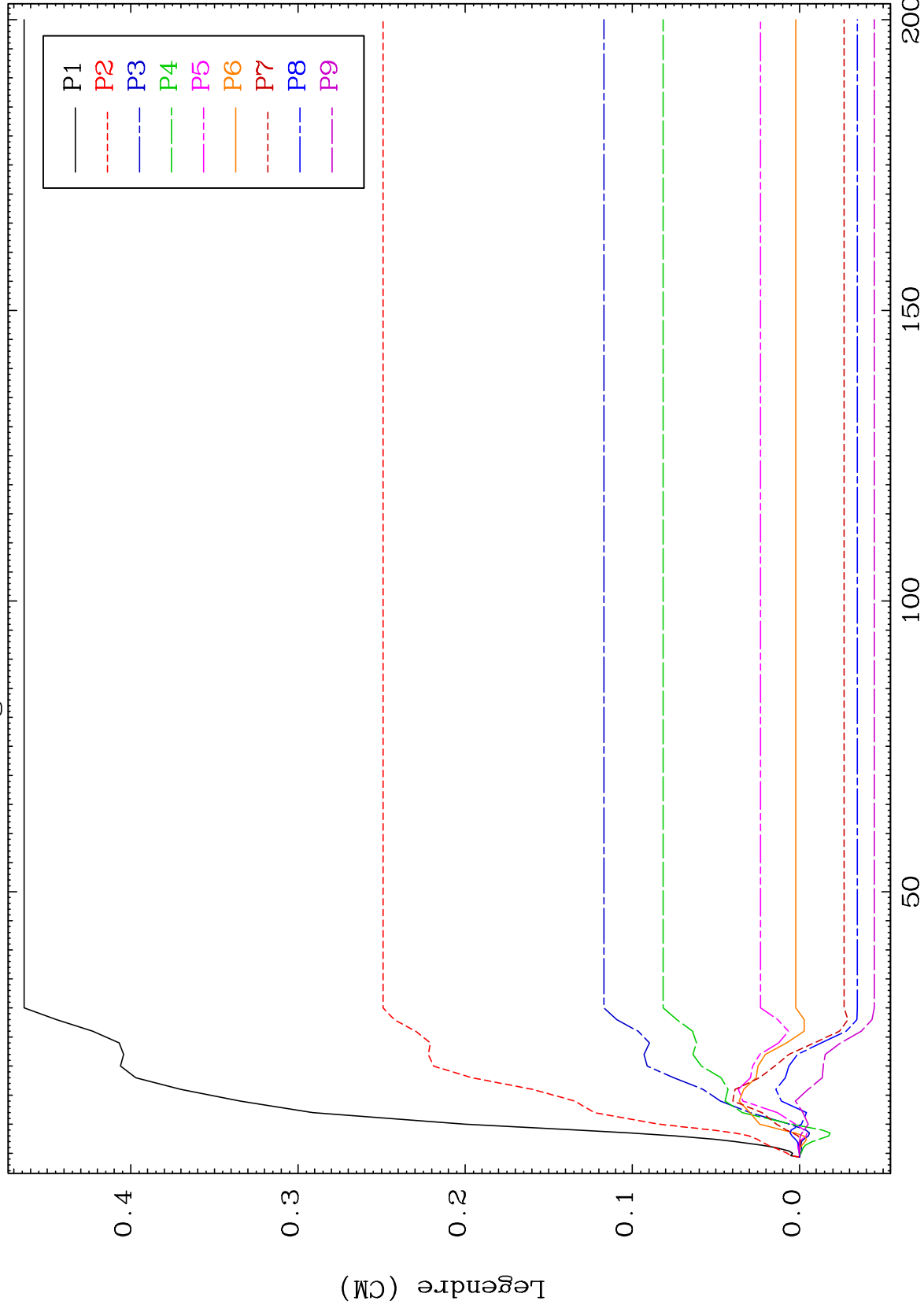
68

51-Sb-133

MAT 5161

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

51-Sb-133



69

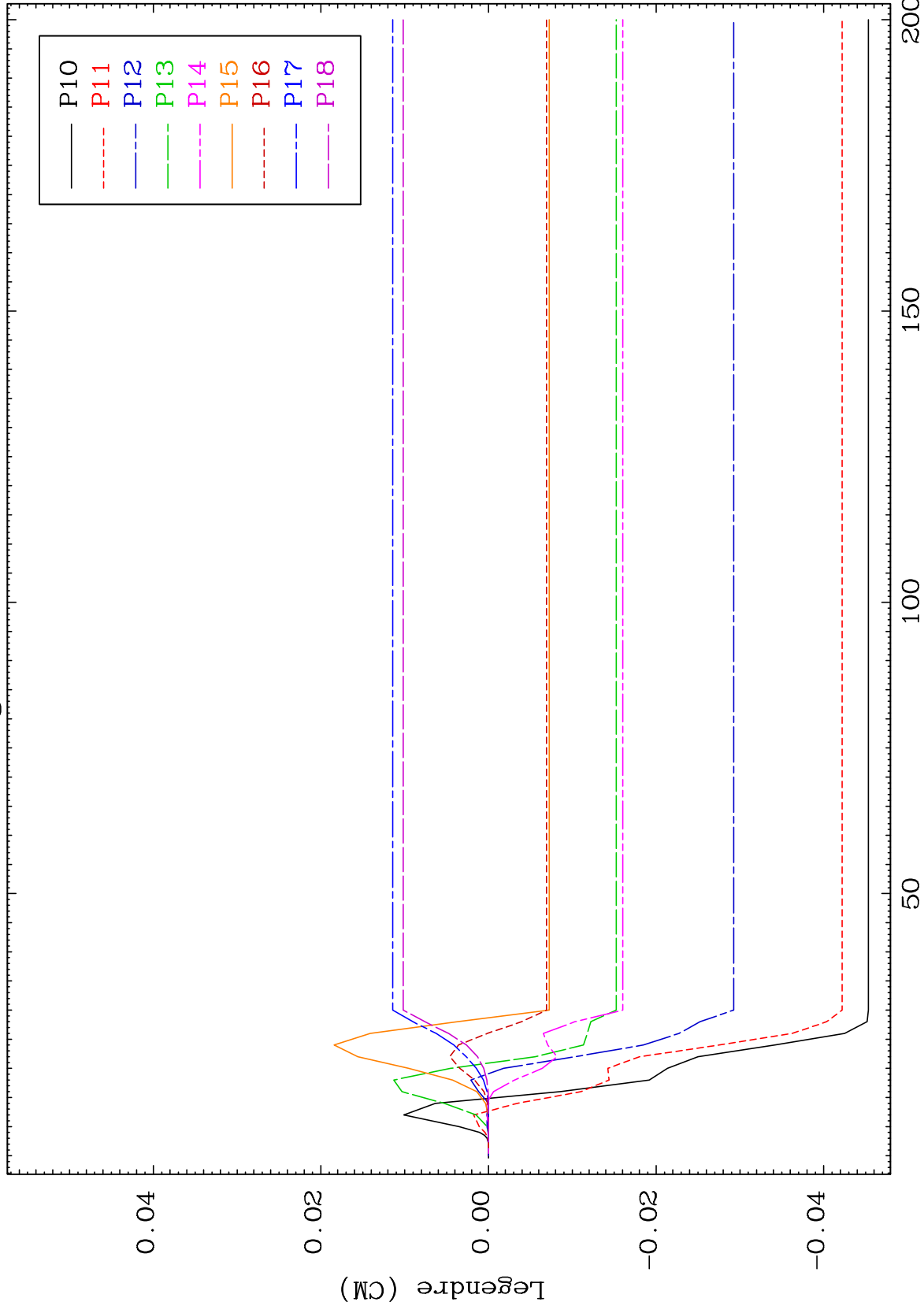
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



70

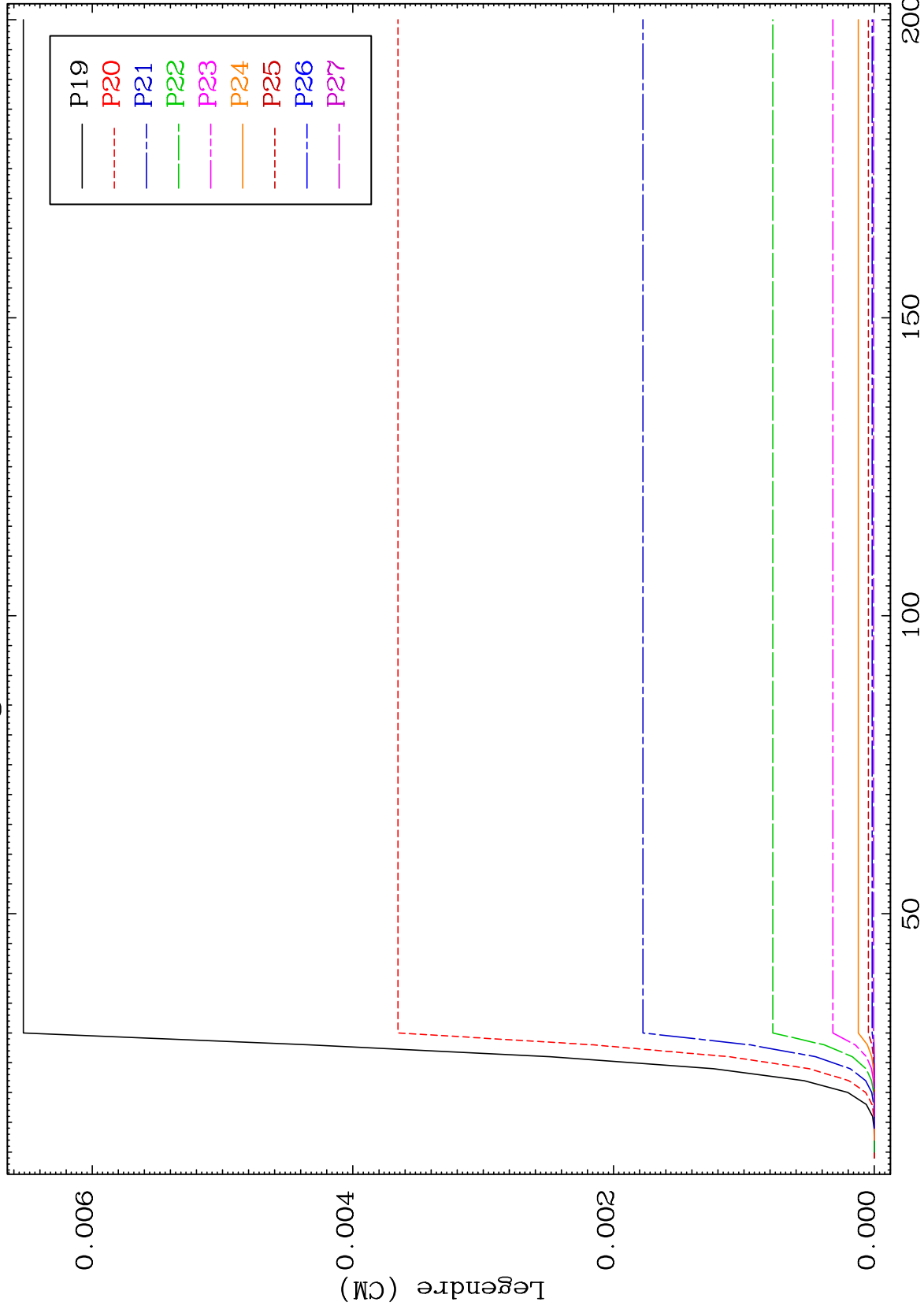
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



71

Incident Energy (MeV)

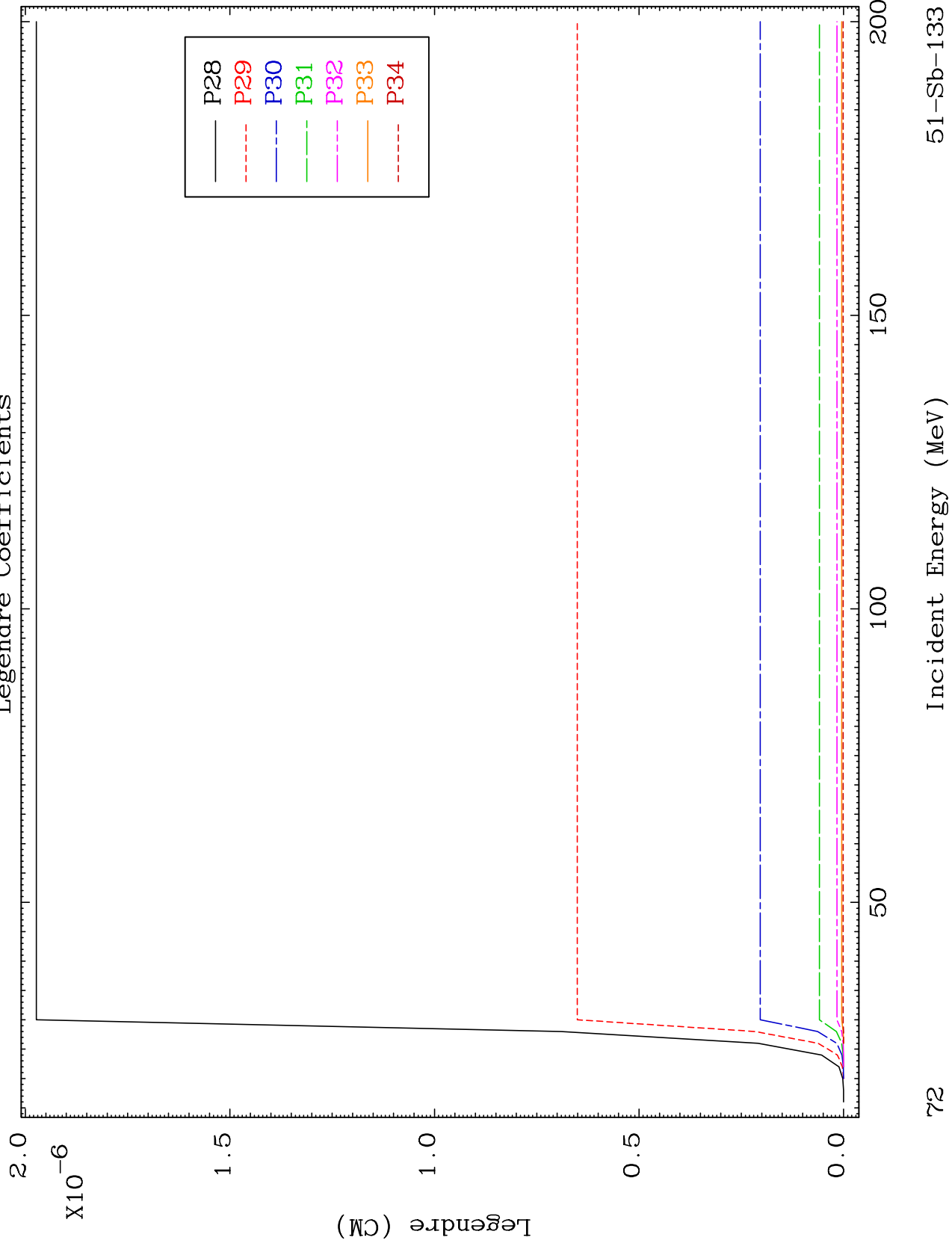
51-Sb-133



MAT 5161

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

51-Sb-133



72

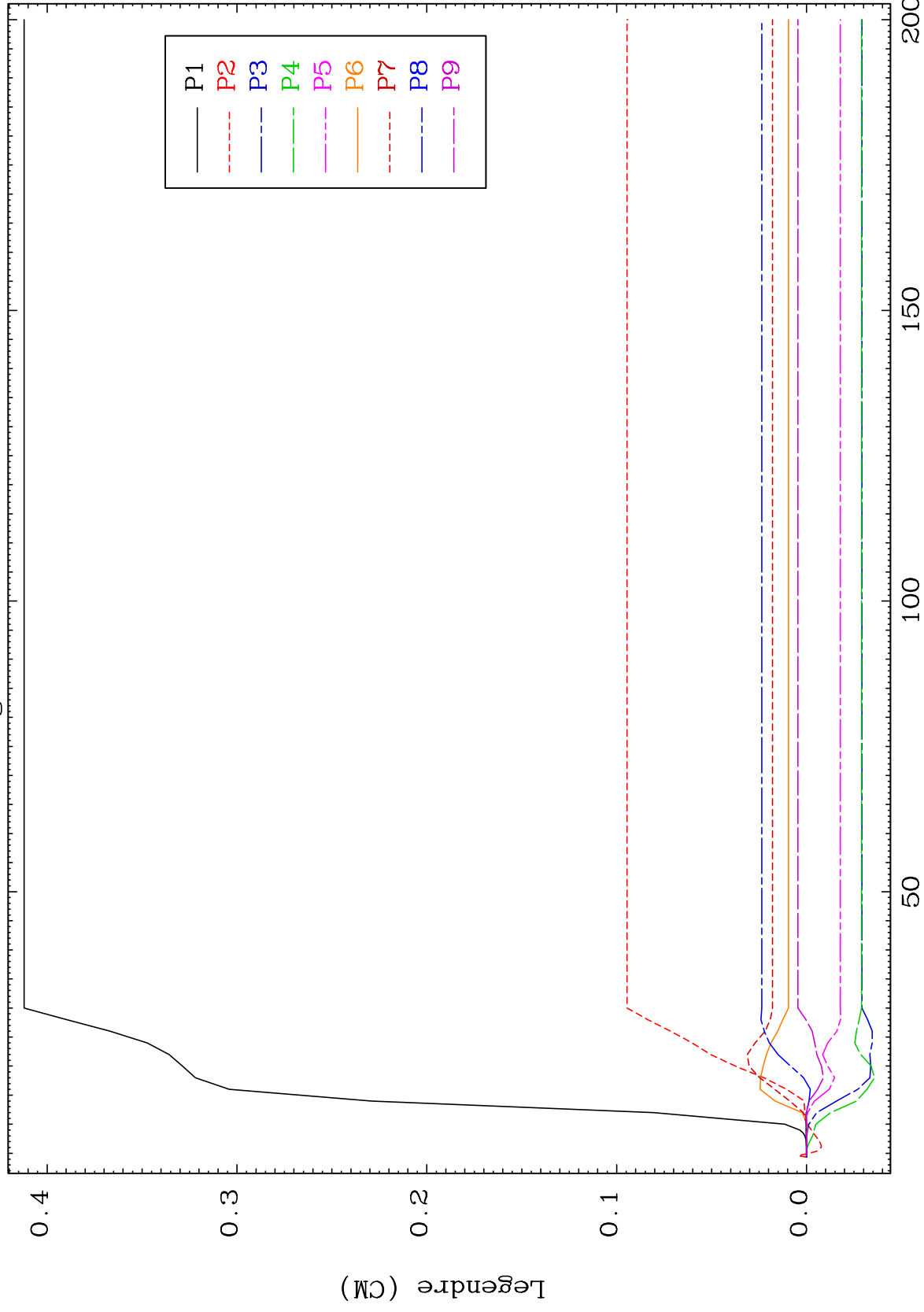
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

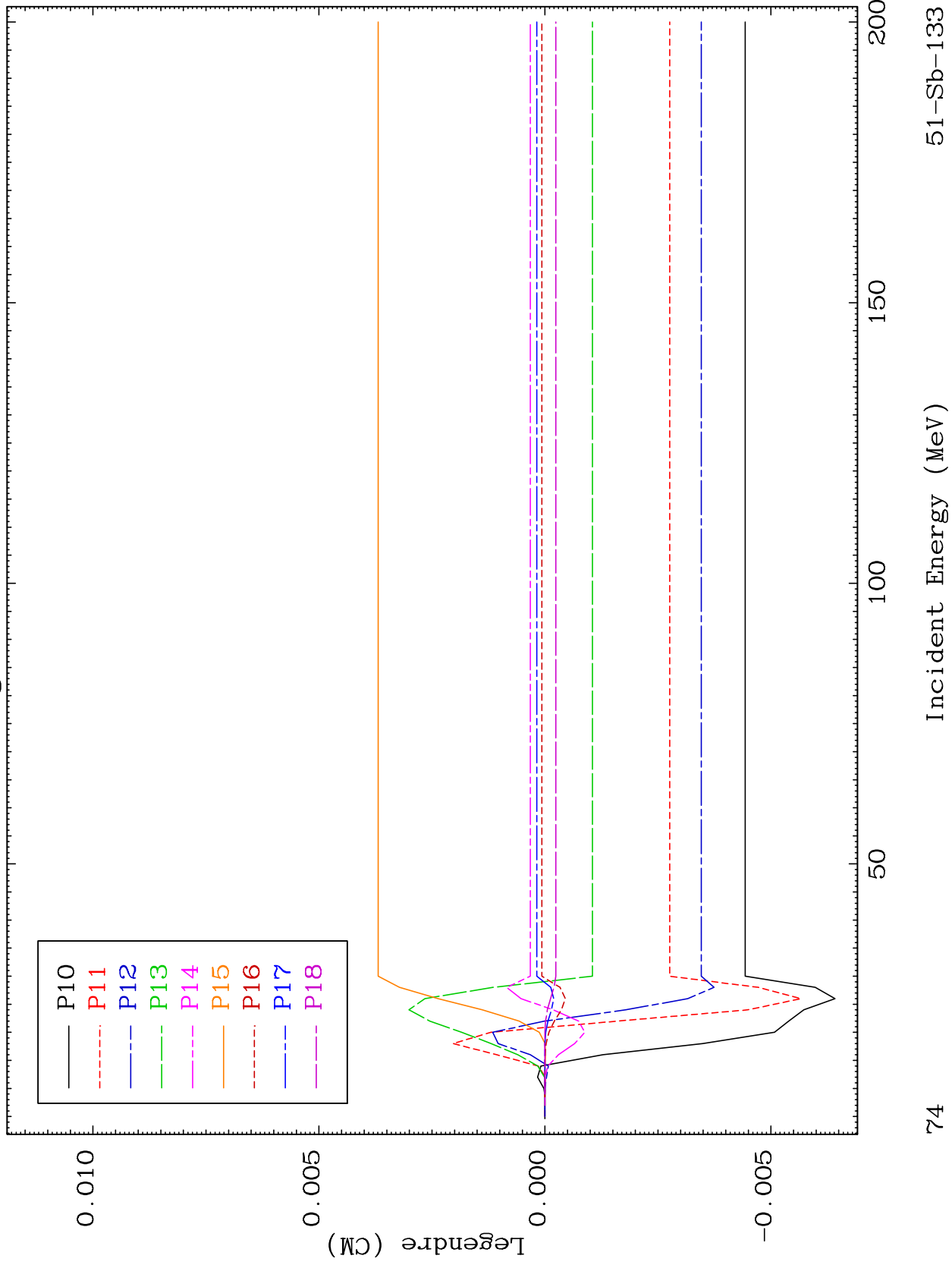
51-Sb-133



73

Incident Energy (MeV)

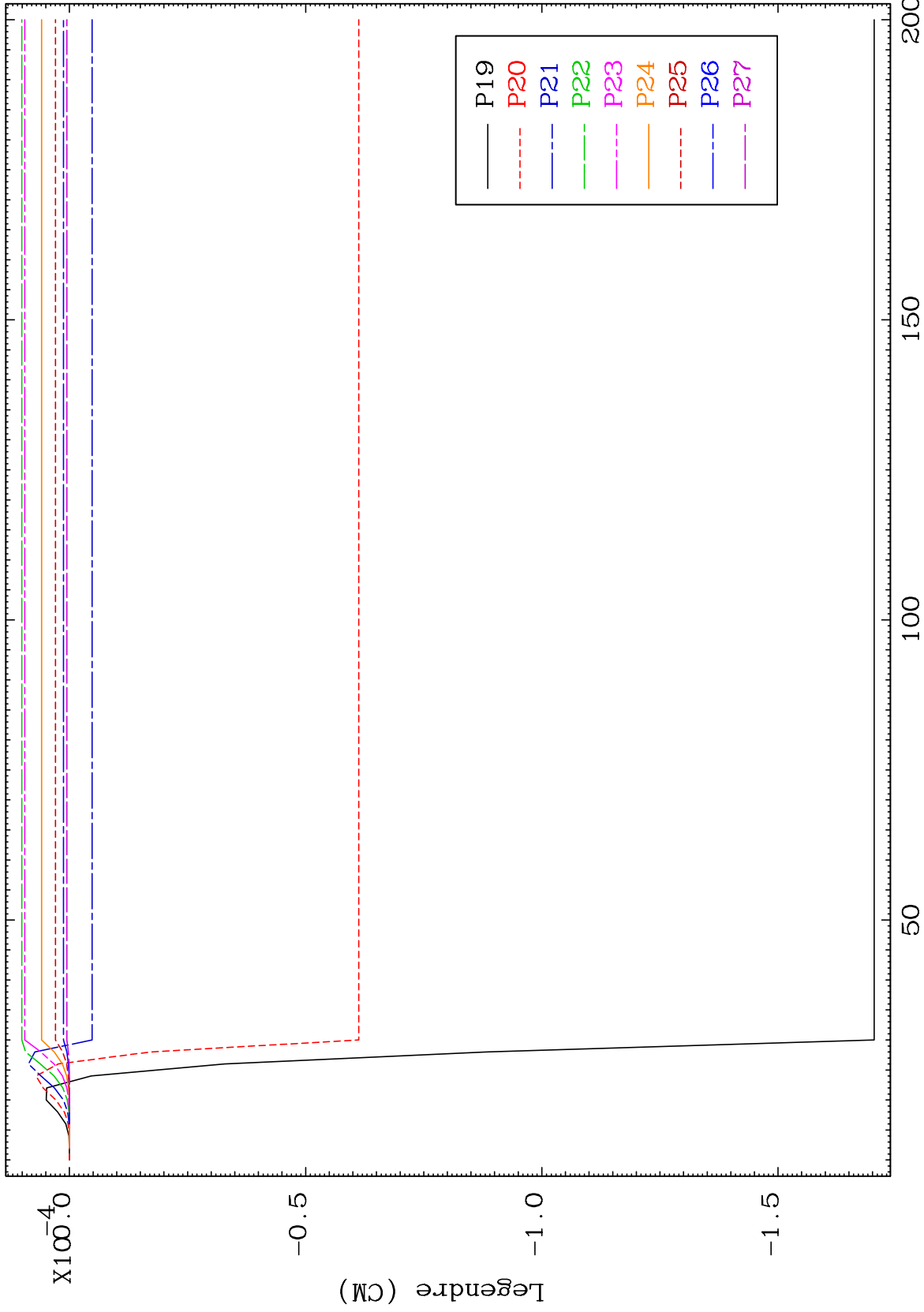
51-Sb-133



MAT 5161

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

51-Sb-133



75

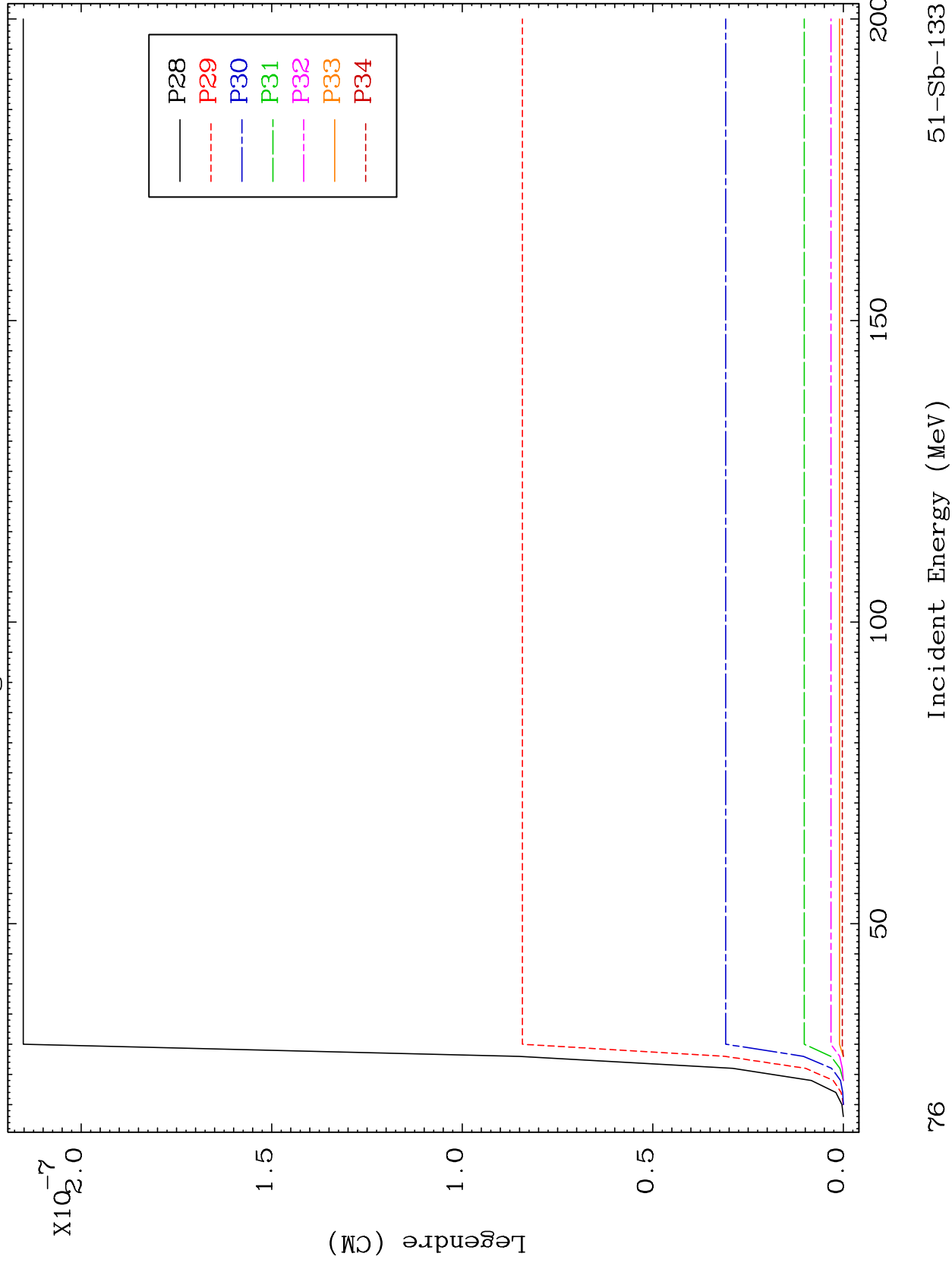
Incident Energy (MeV)

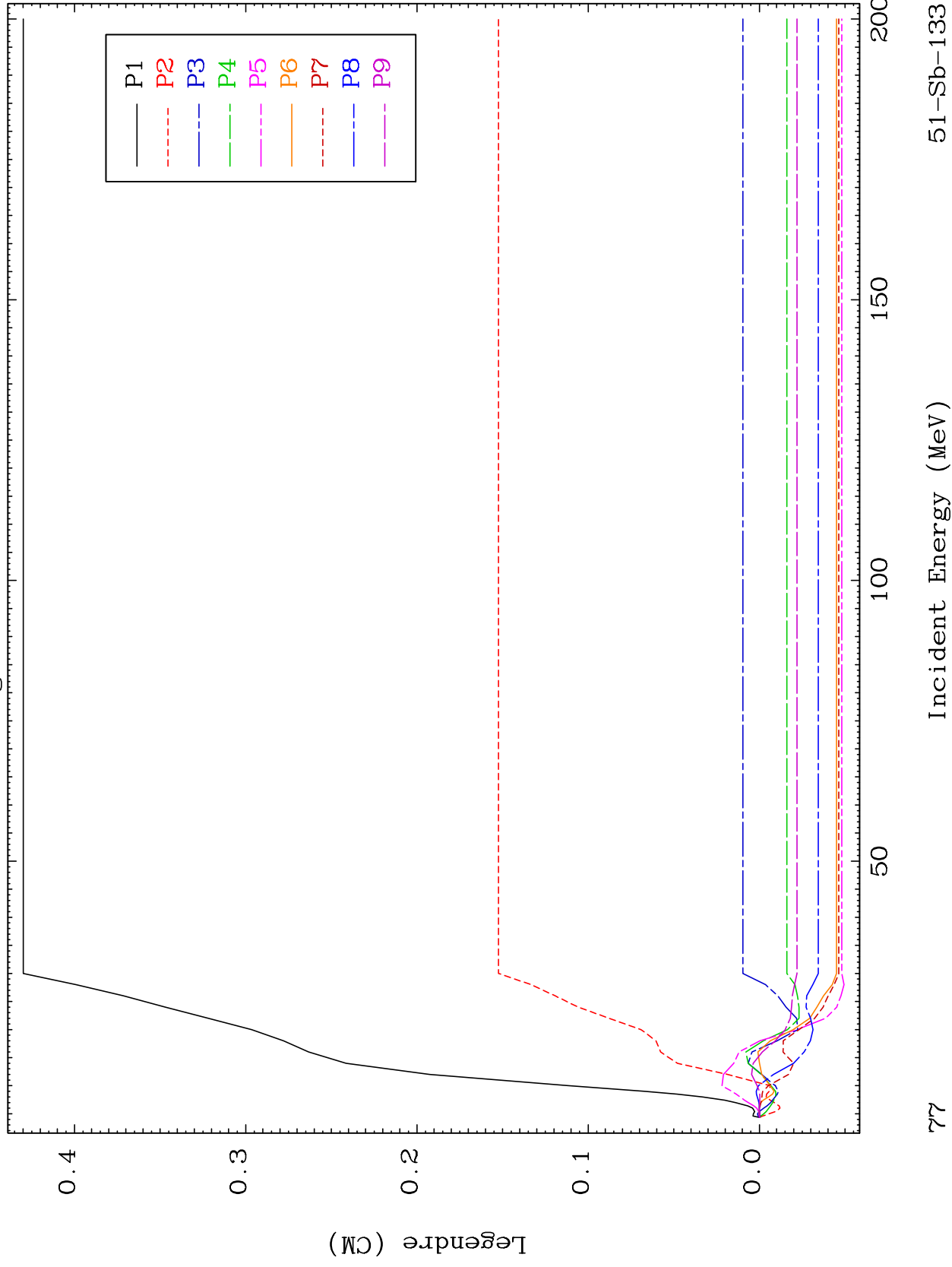
51-Sb-133

MAT 5161

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

51-Sb-133

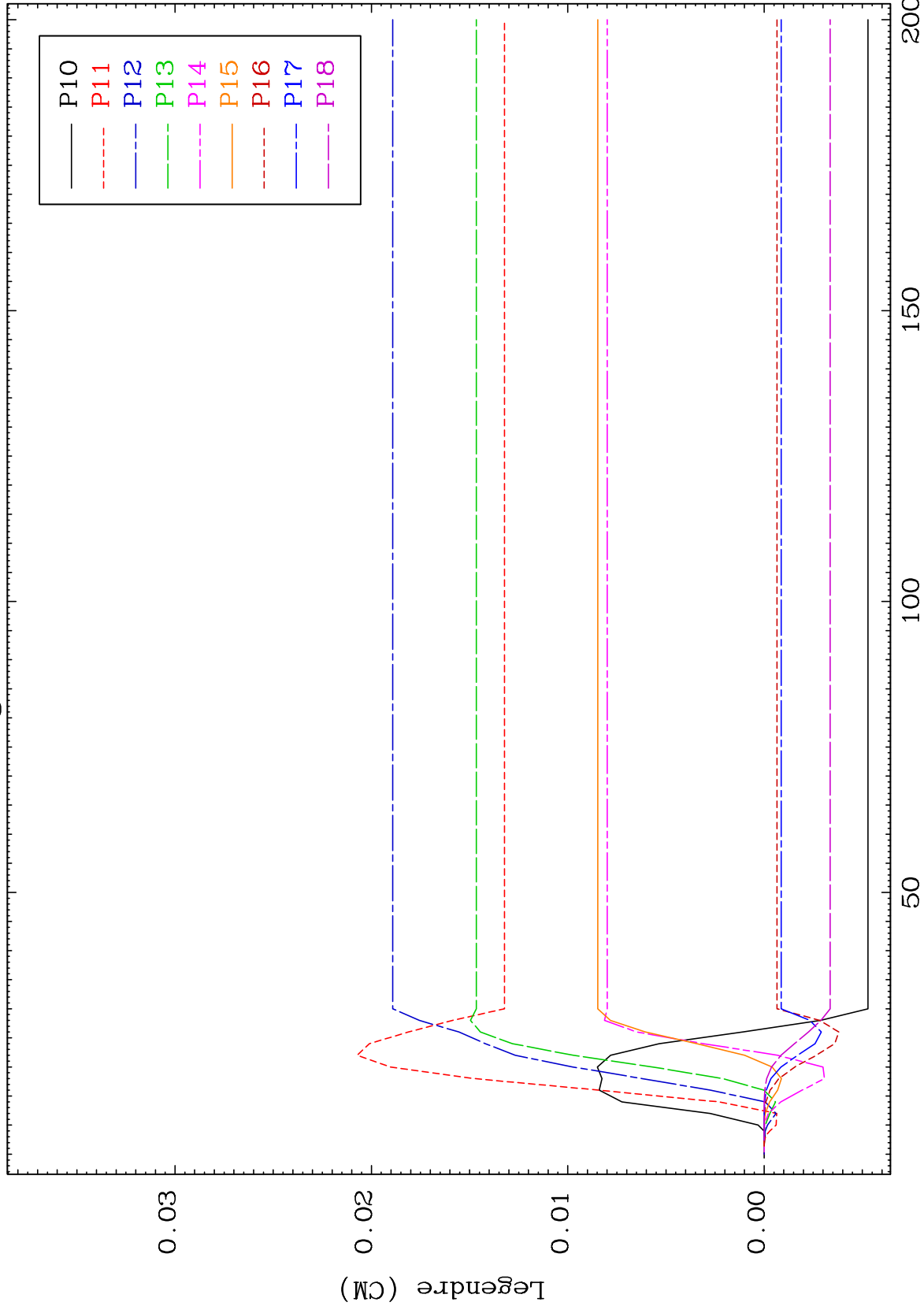




MAT 5161

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

51-Sb-133



78

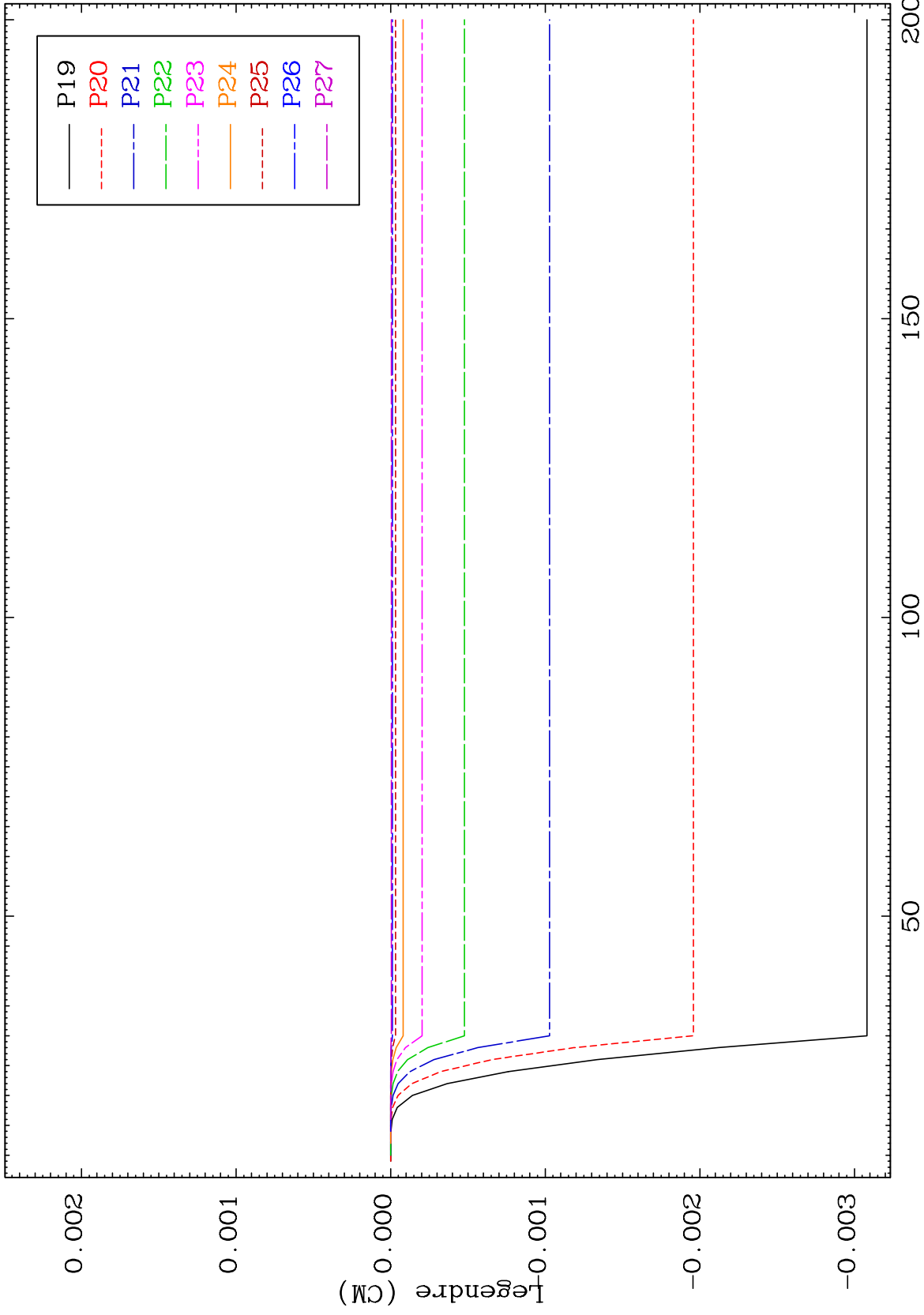
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133

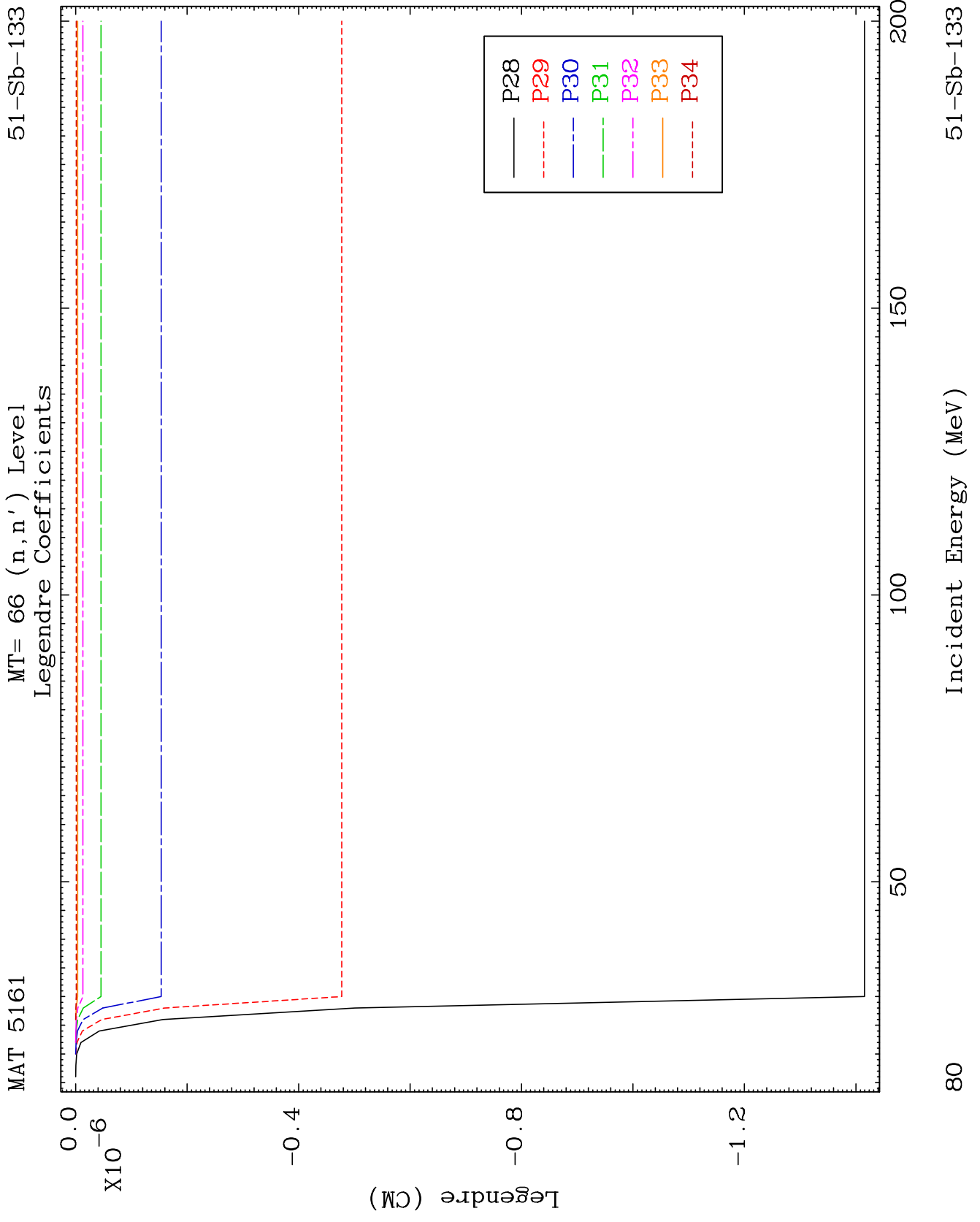


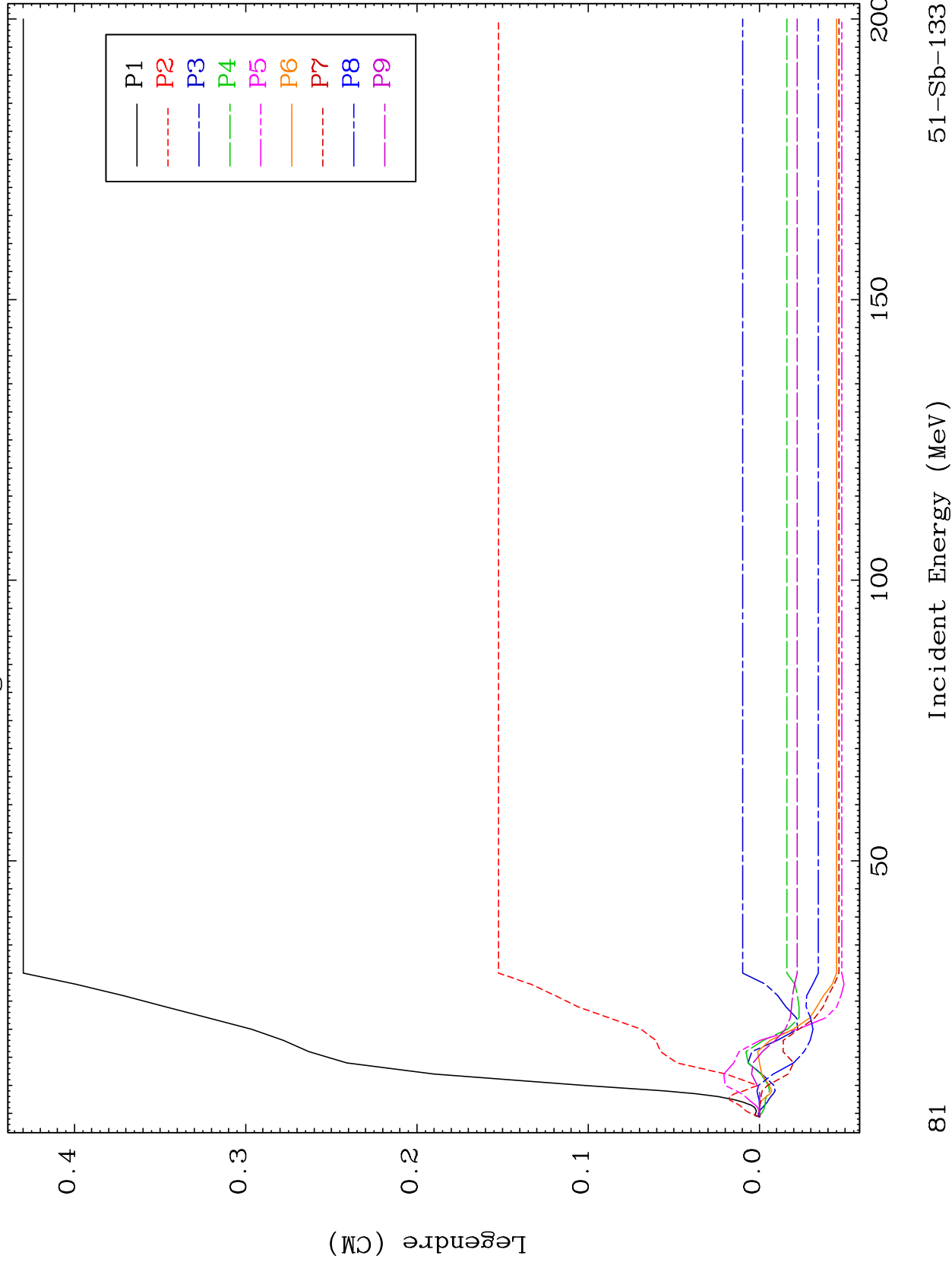
79

Incident Energy (MeV)

51-Sb-133



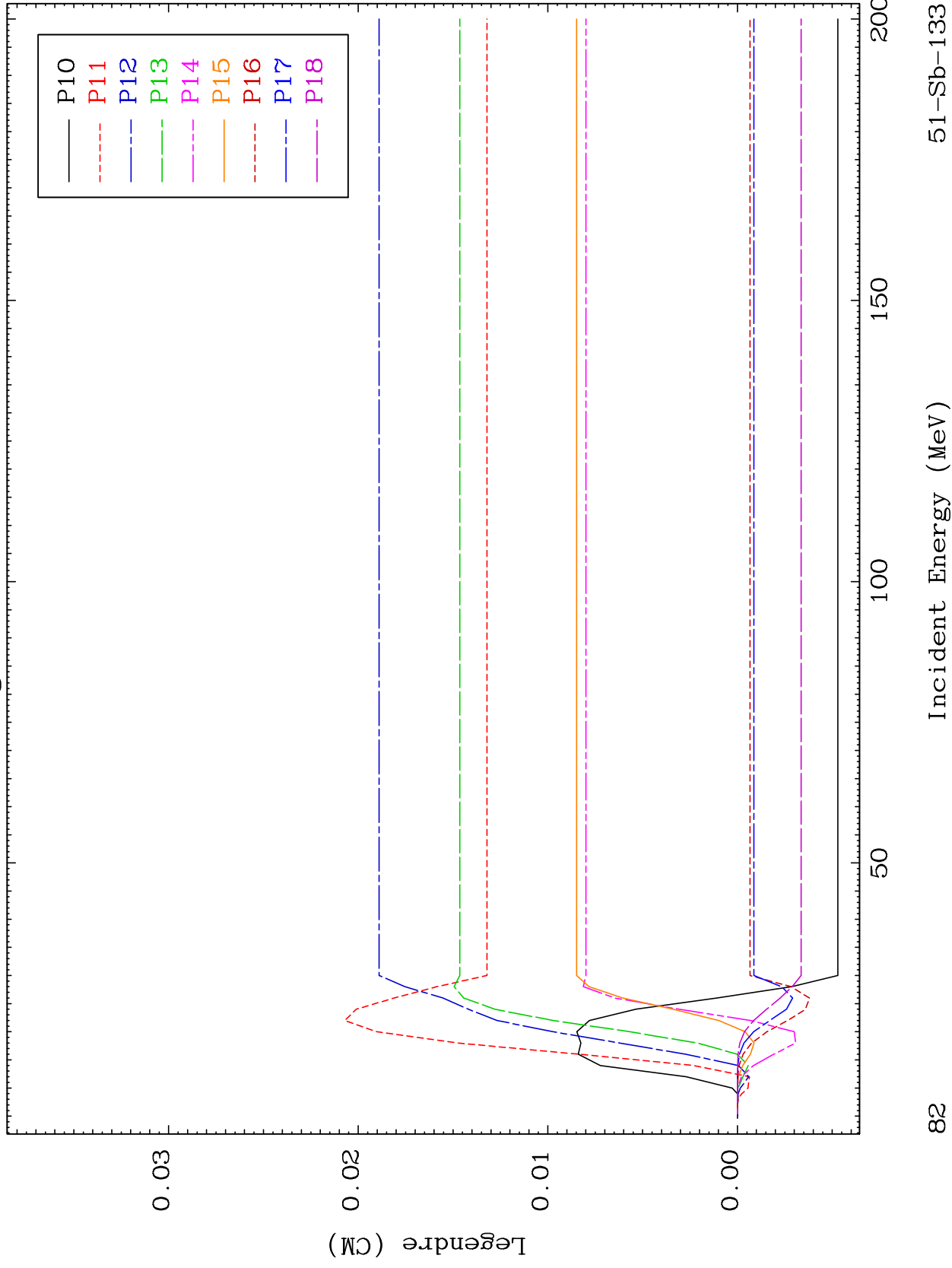




MAT 5161

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

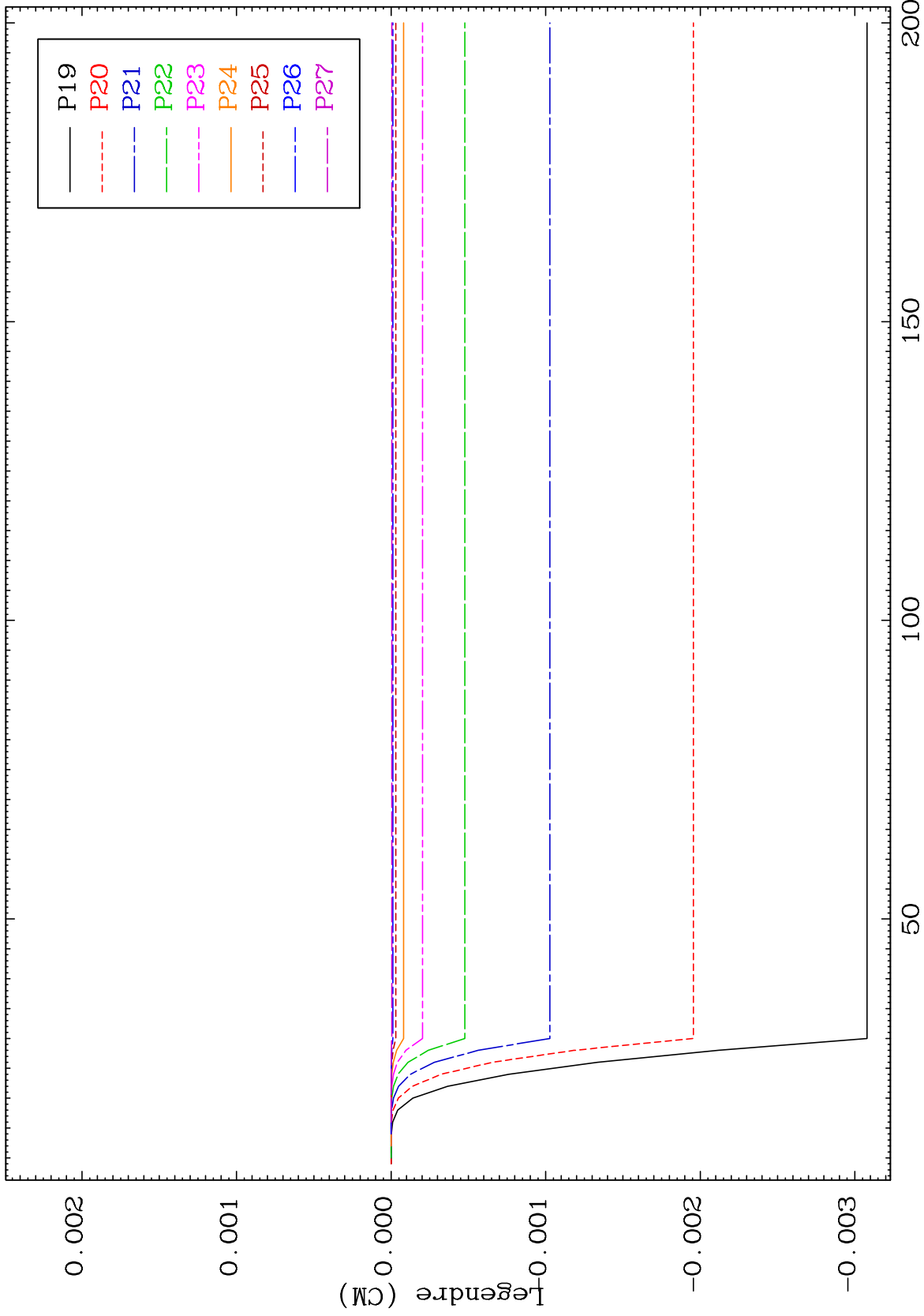
51-Sb-133



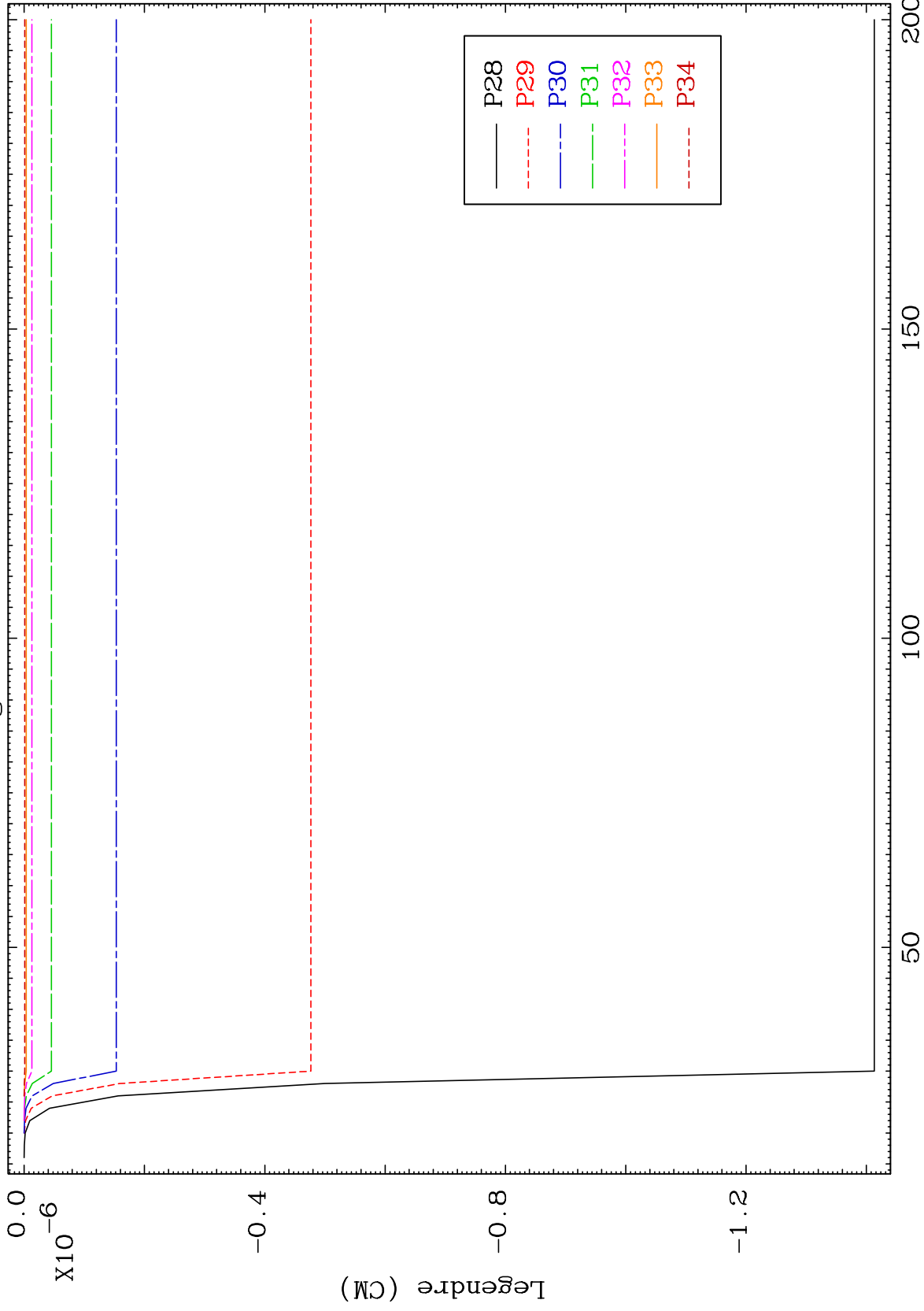
82

Incident Energy (MeV)

51-Sb-133



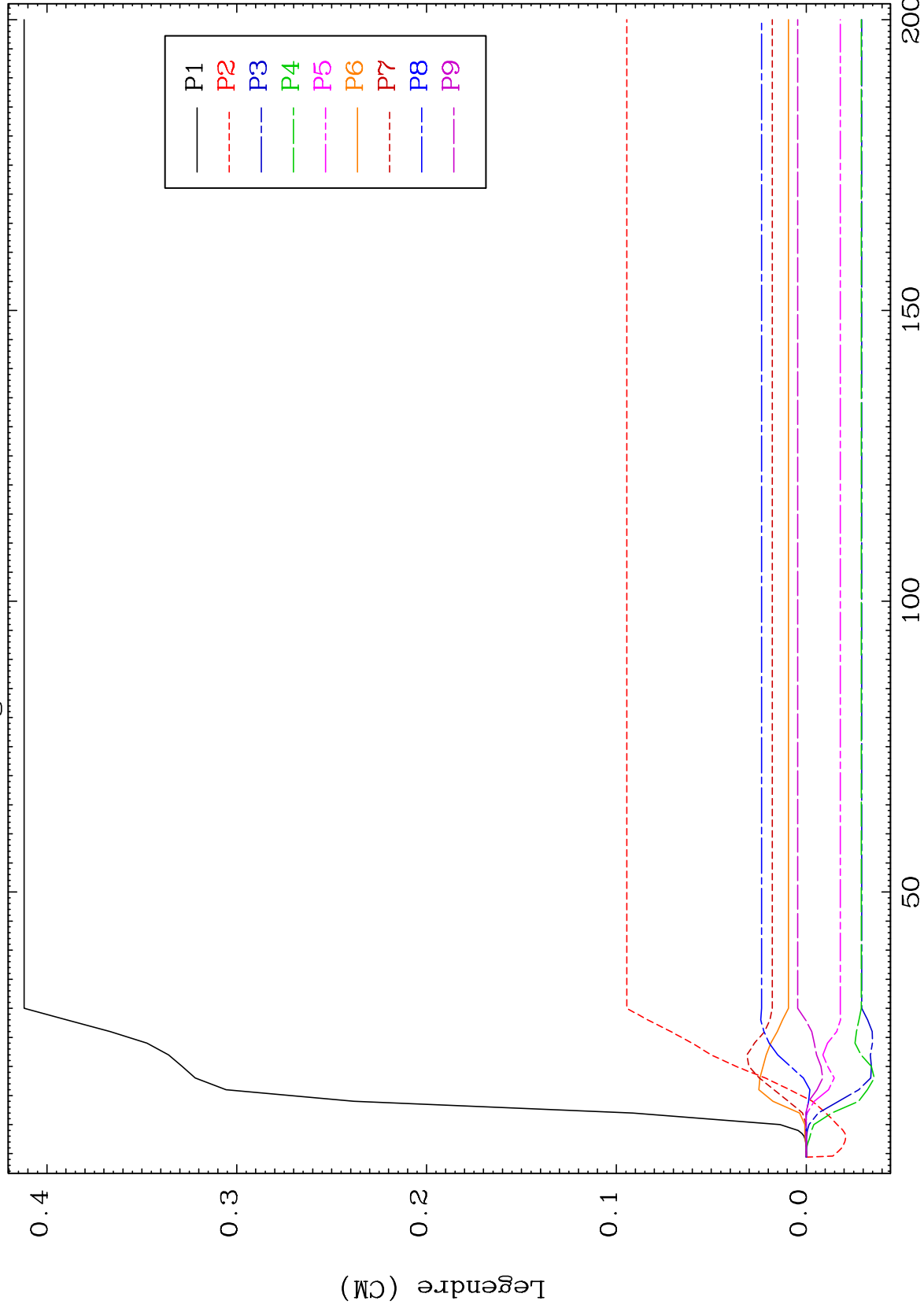
Legendre Coefficients



MAT 5161

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

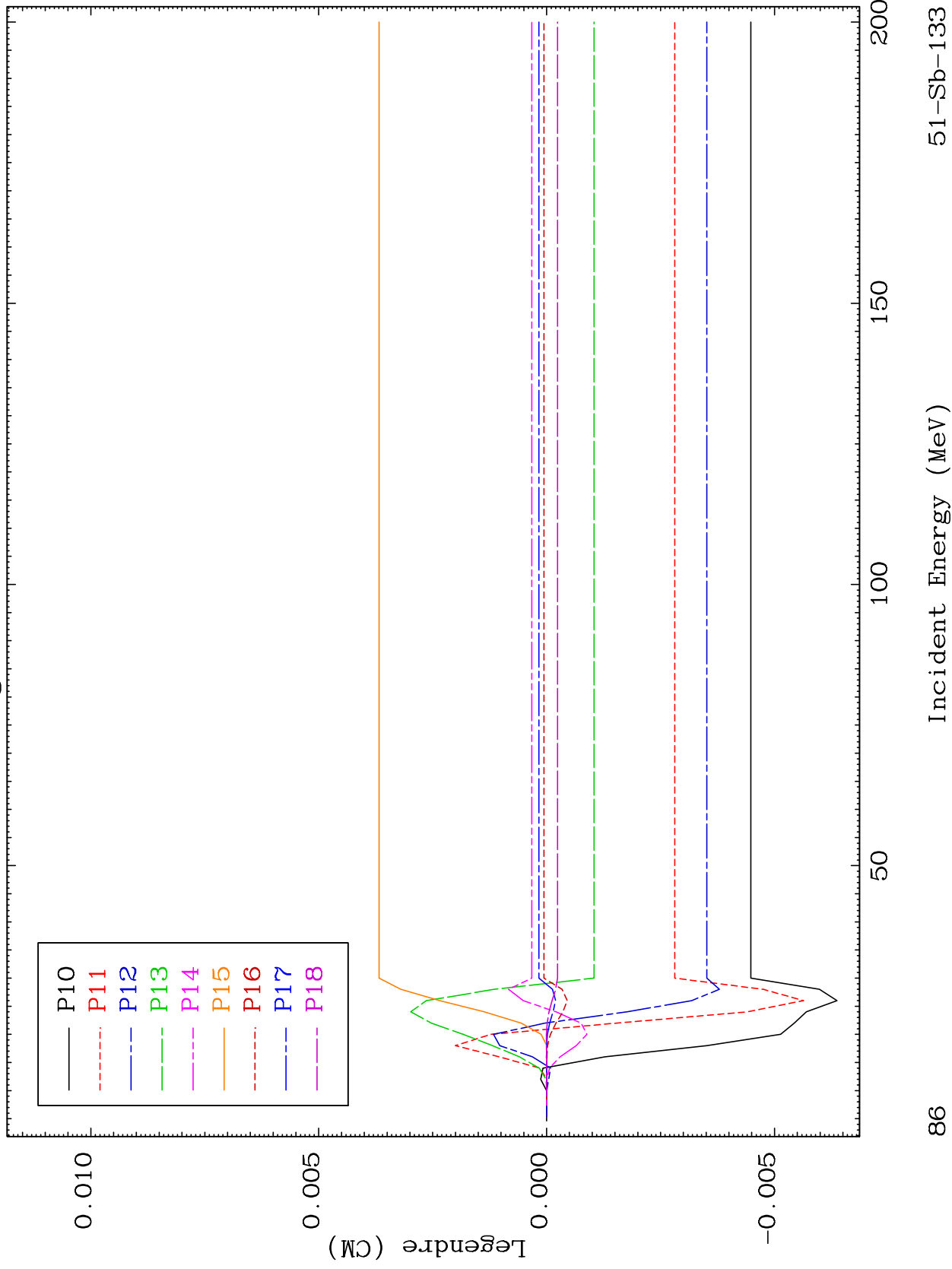
51-Sb-133

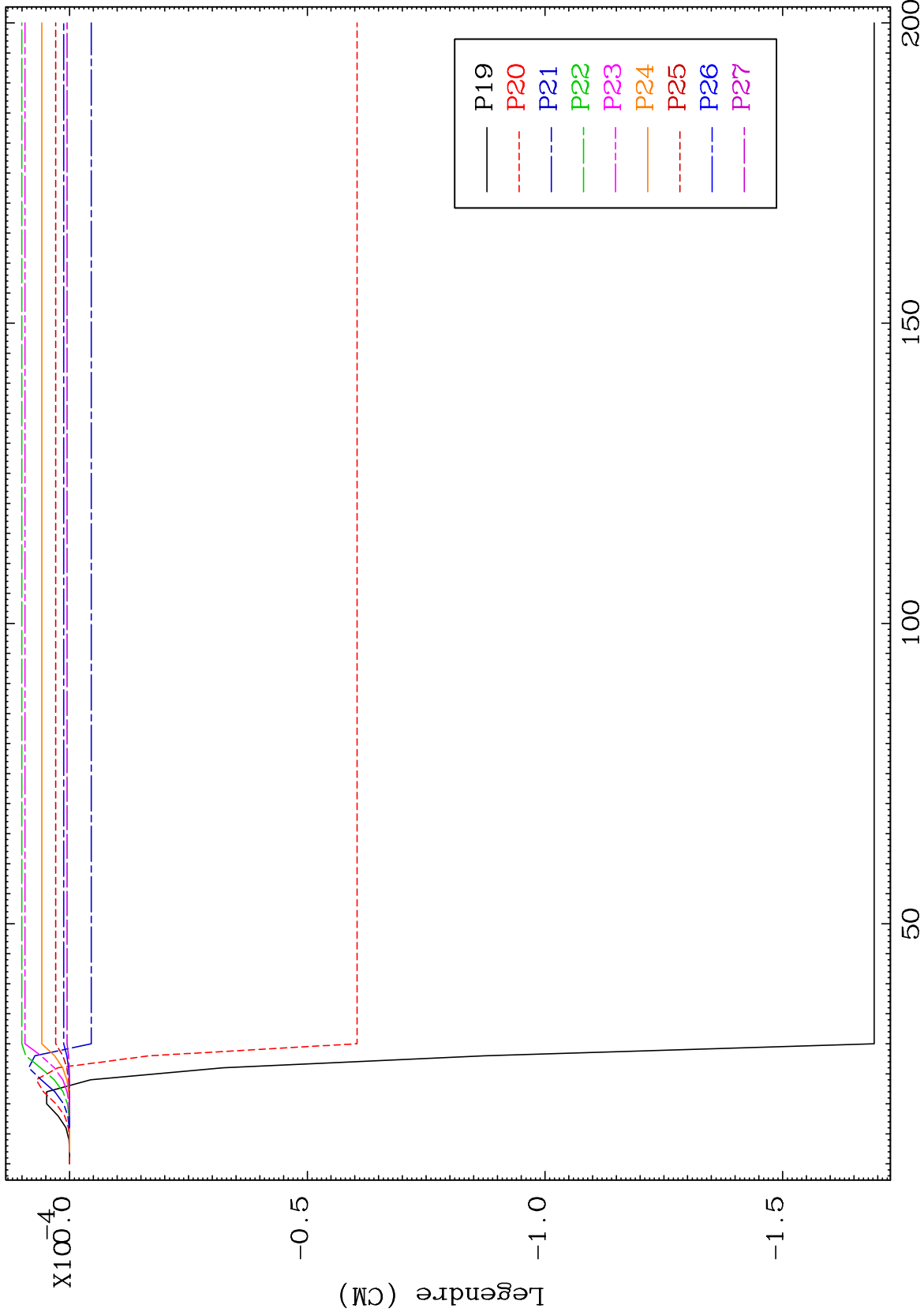


85

Incident Energy (MeV)

51-Sb-133



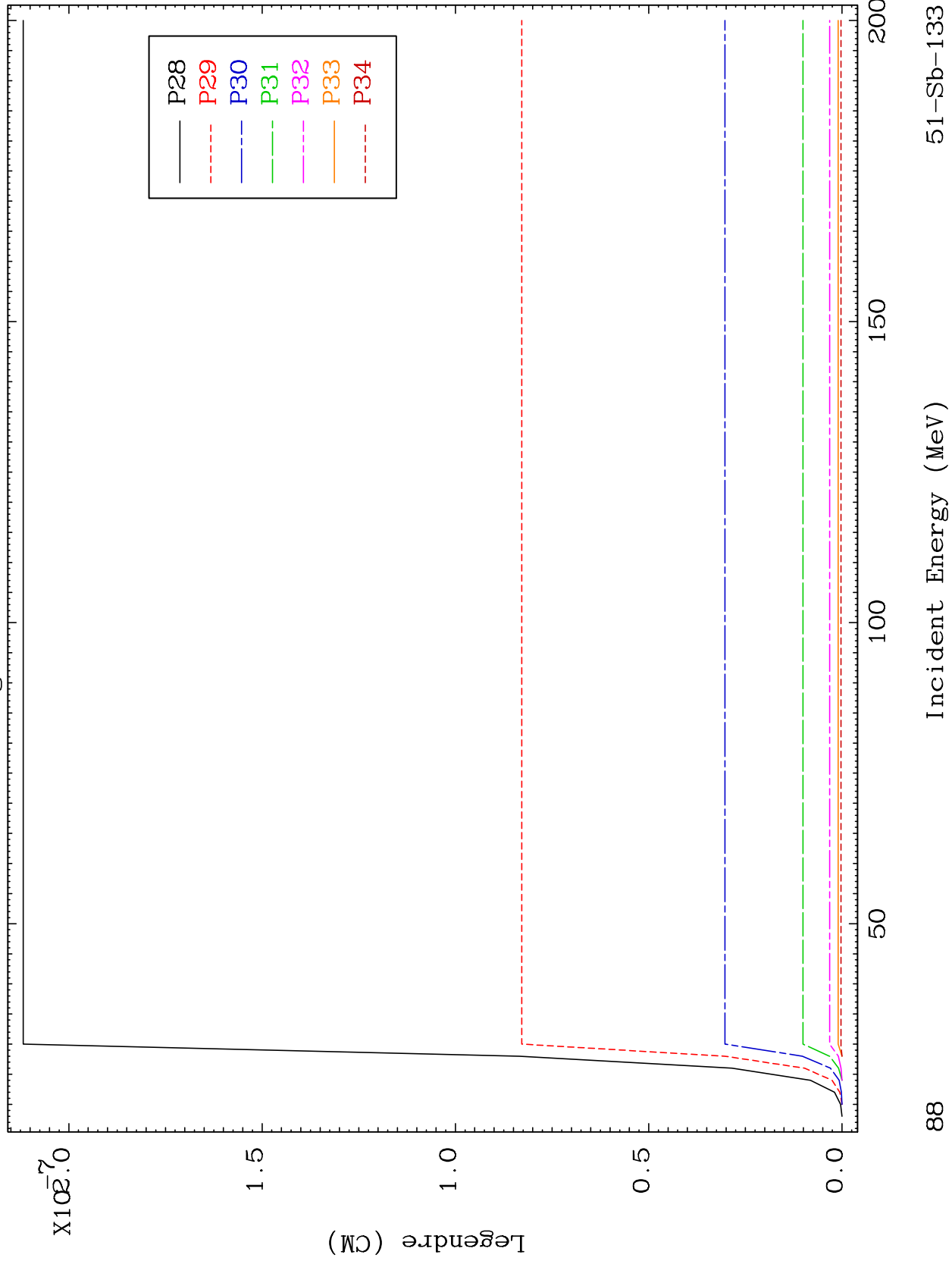


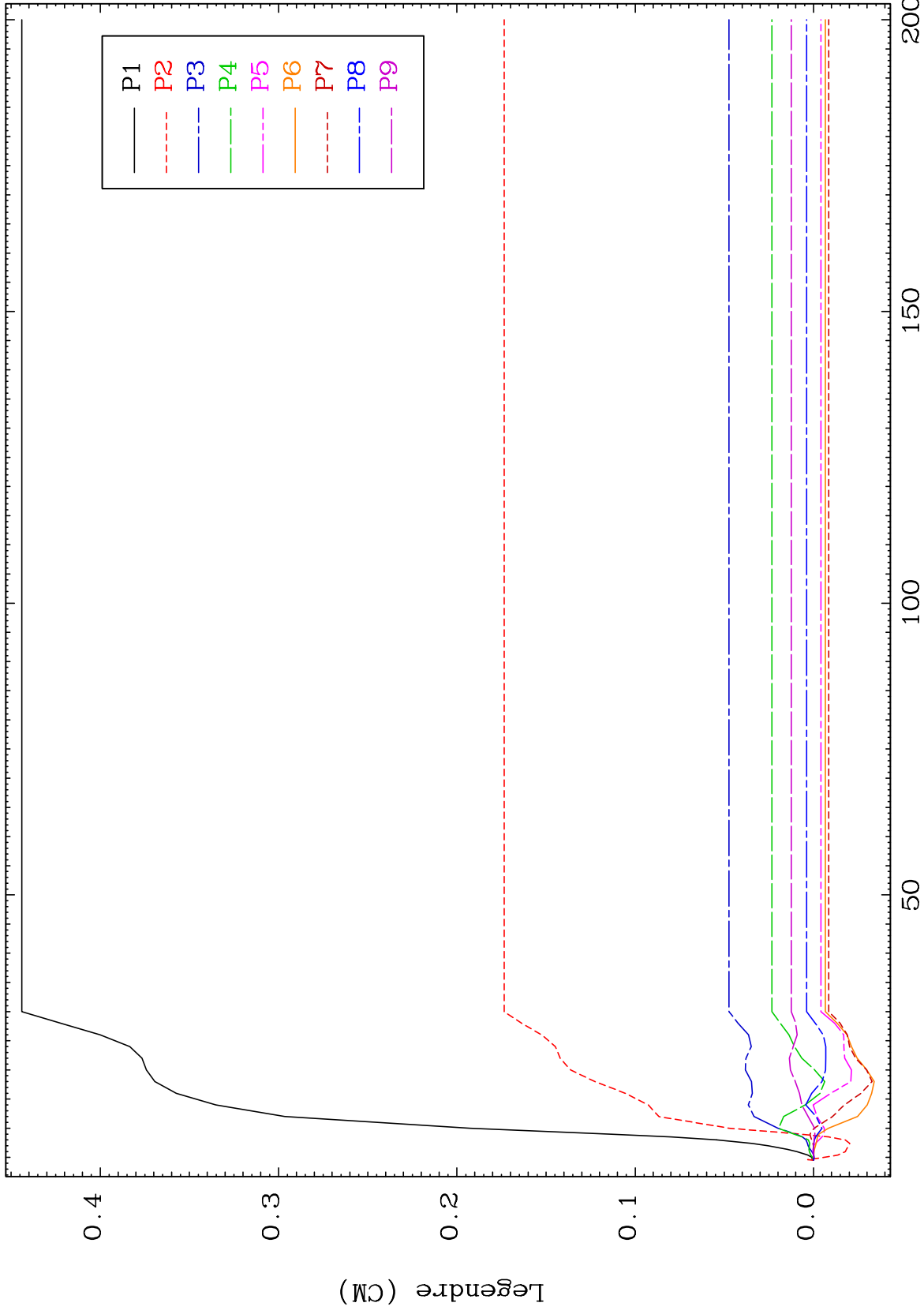


MAT 5161

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

51-Sb-133

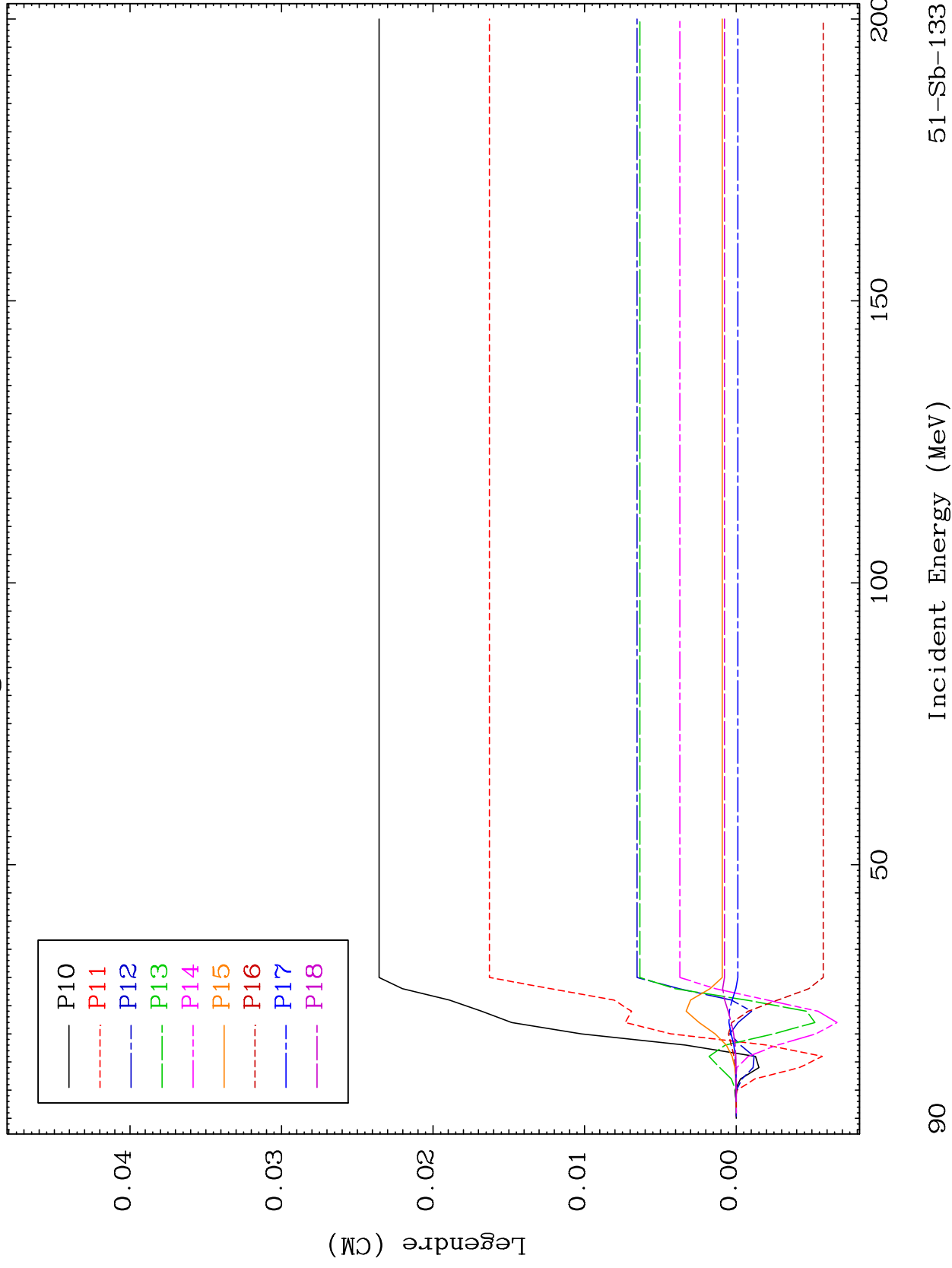




MAT 5161

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

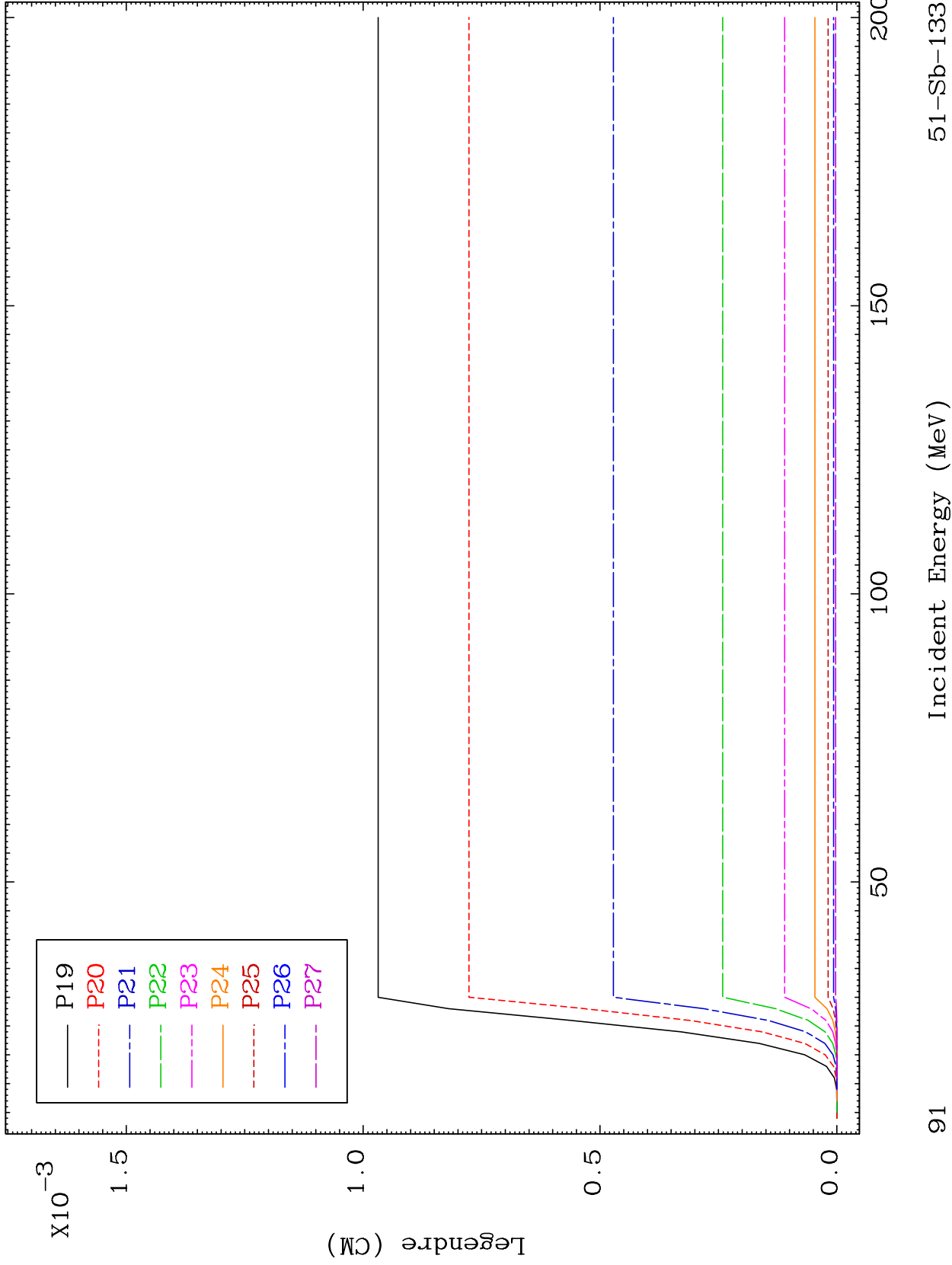
51-Sb-133



51-Sb-133

Incident Energy (MeV)

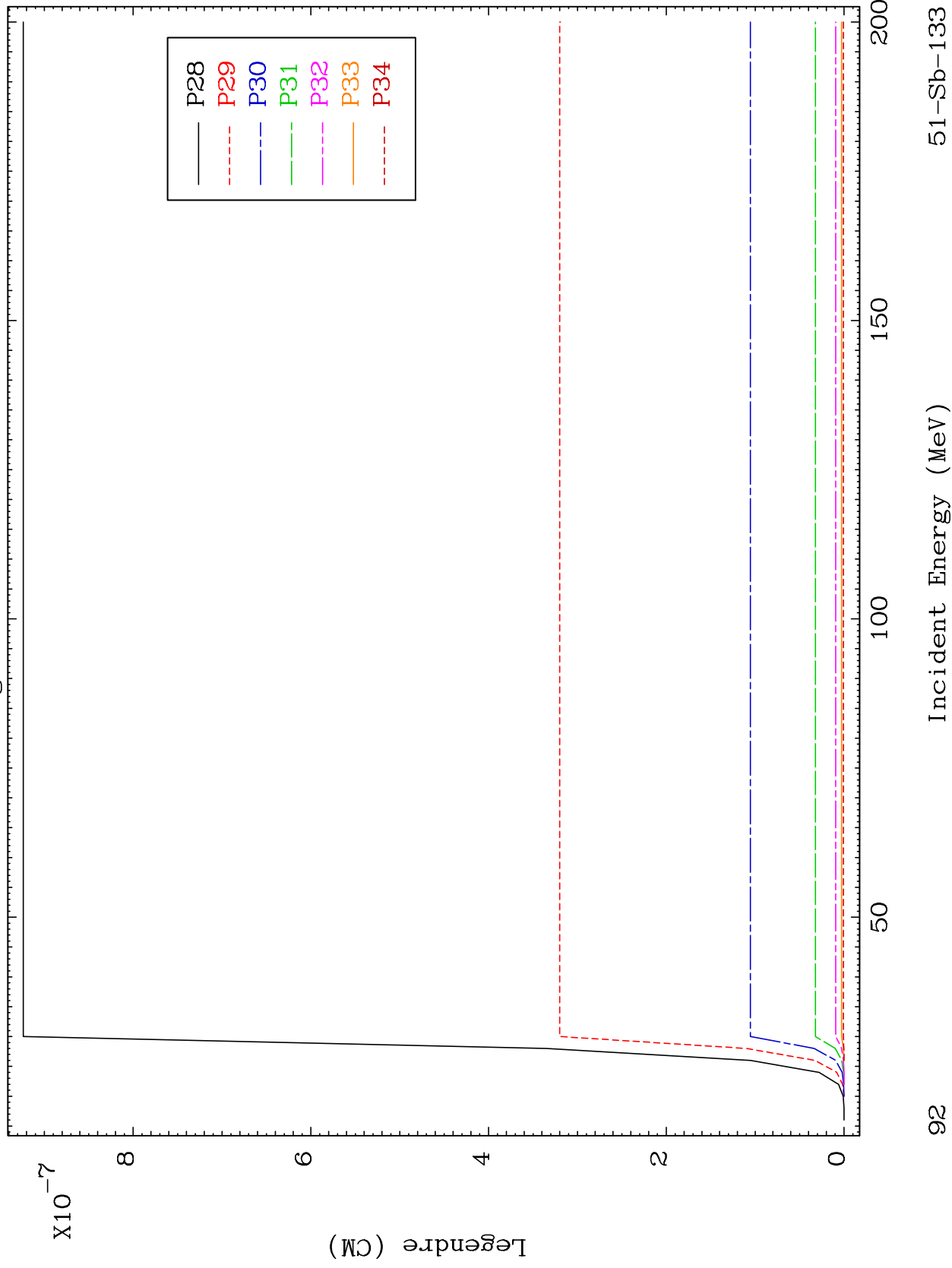
90



MAT 5161

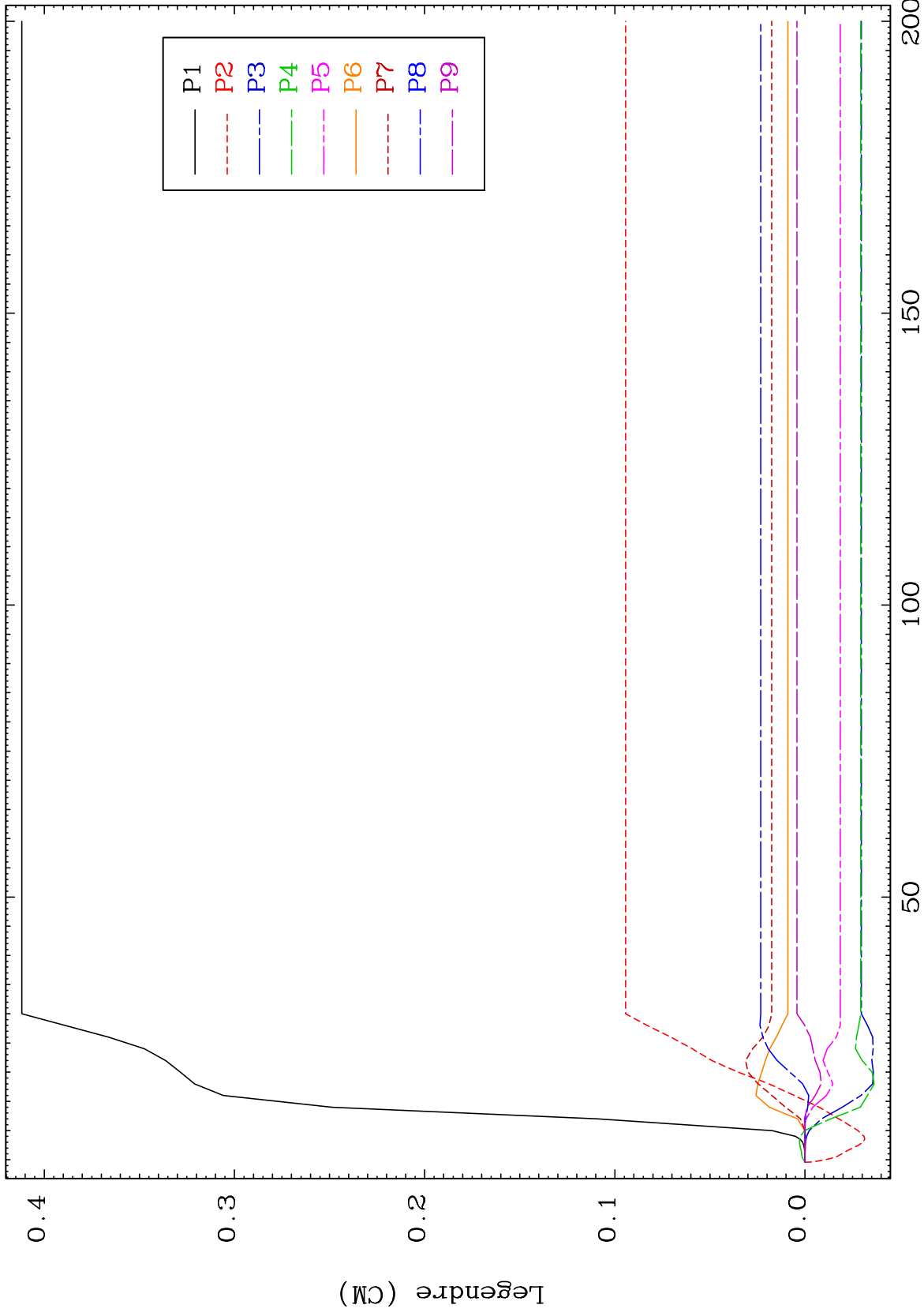
MT= 69 (n,n') Level  
Legendre Coefficients

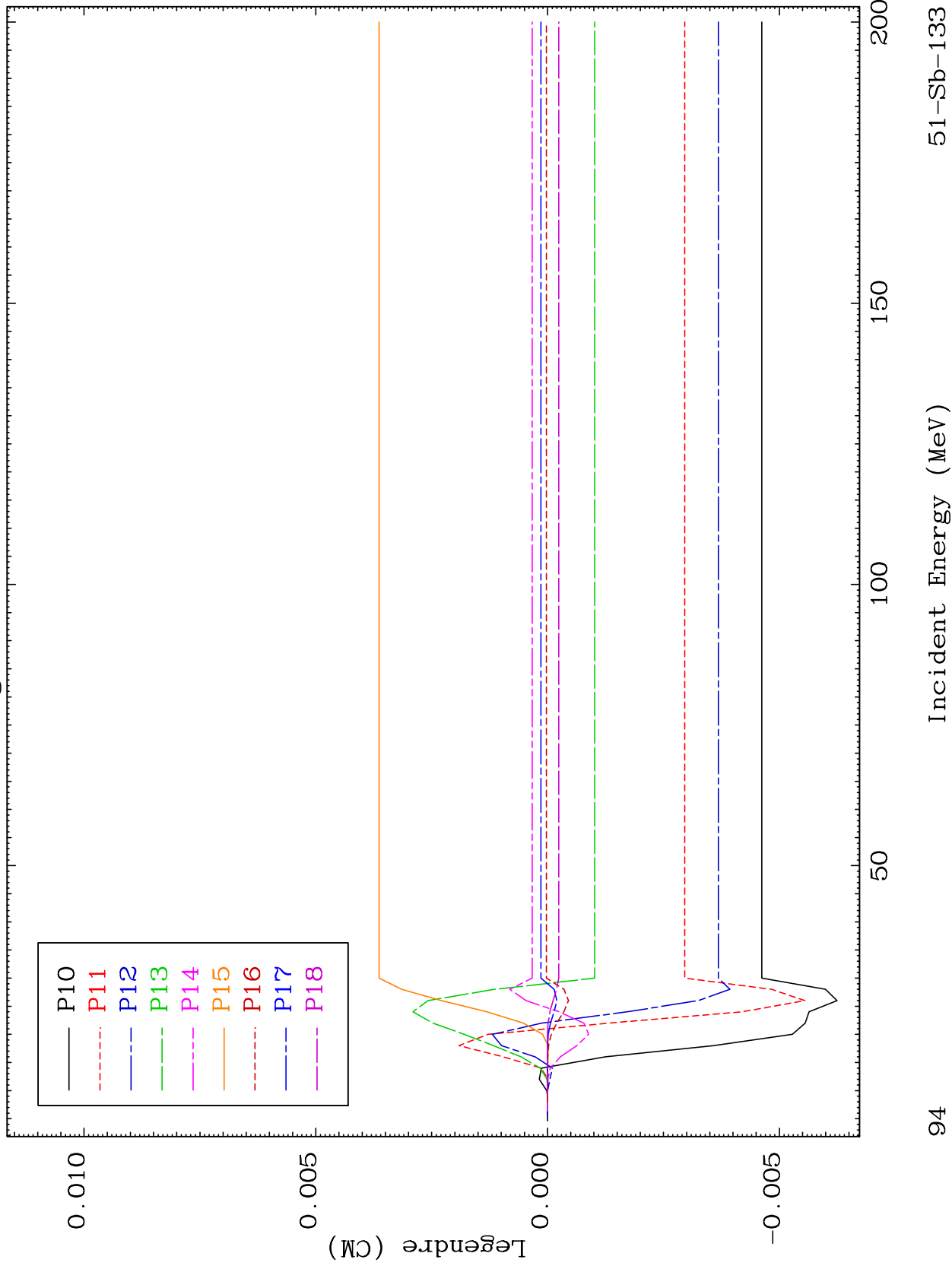
51-Sb-133



92

51-Sb-133

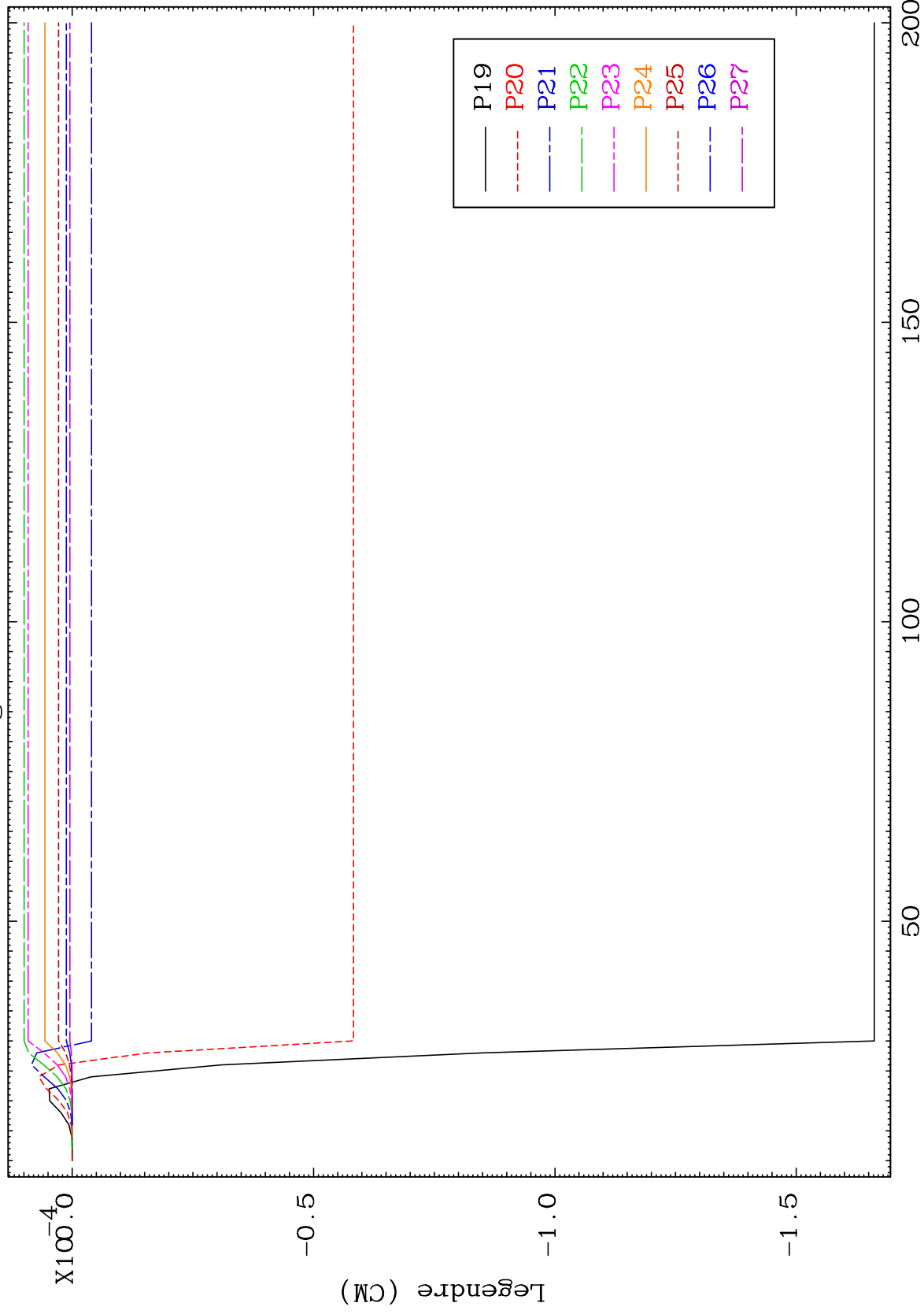




MAT 5161

51-Sb-133

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



95

Incident Energy (MeV)

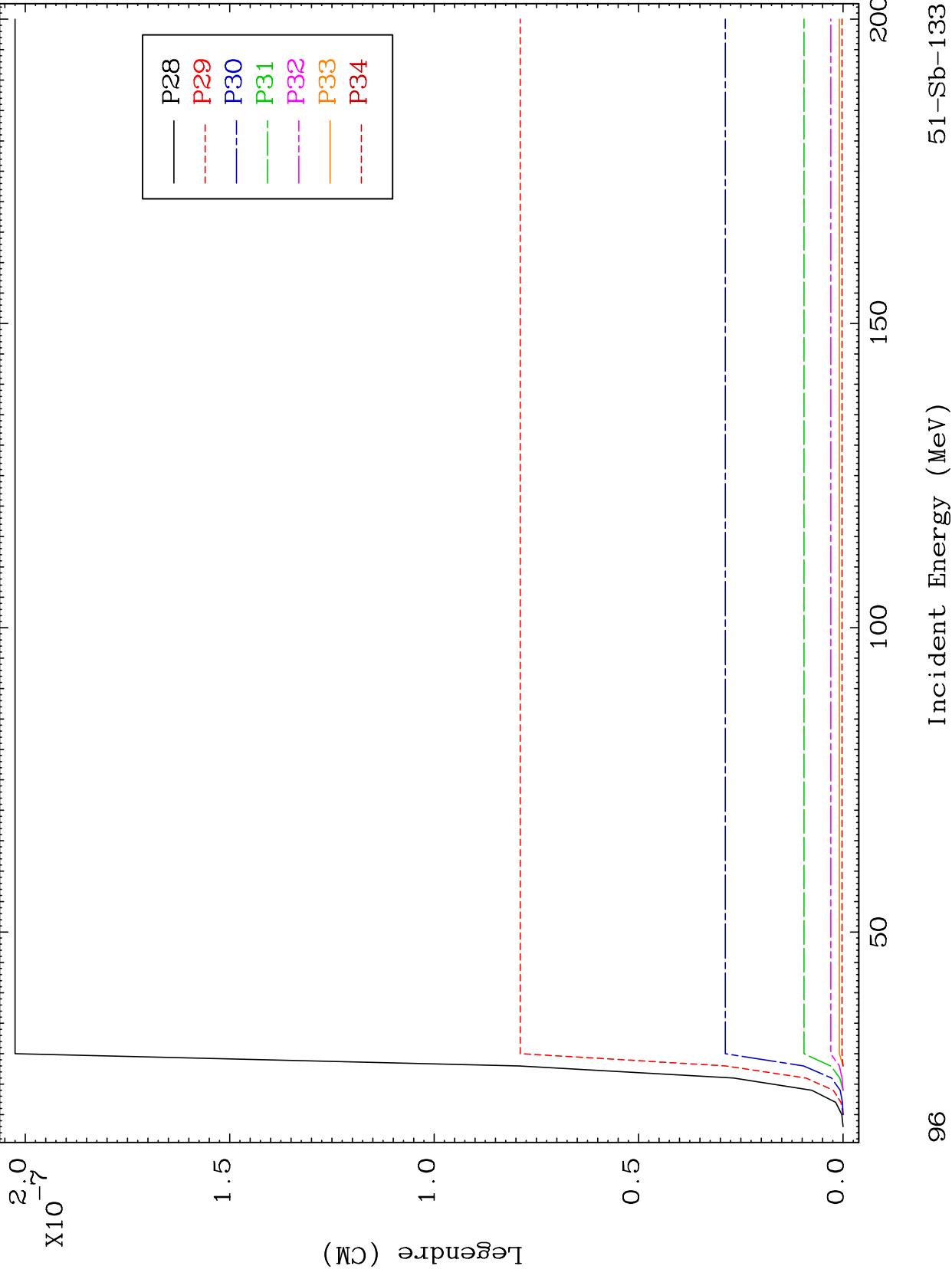
51-Sb-133

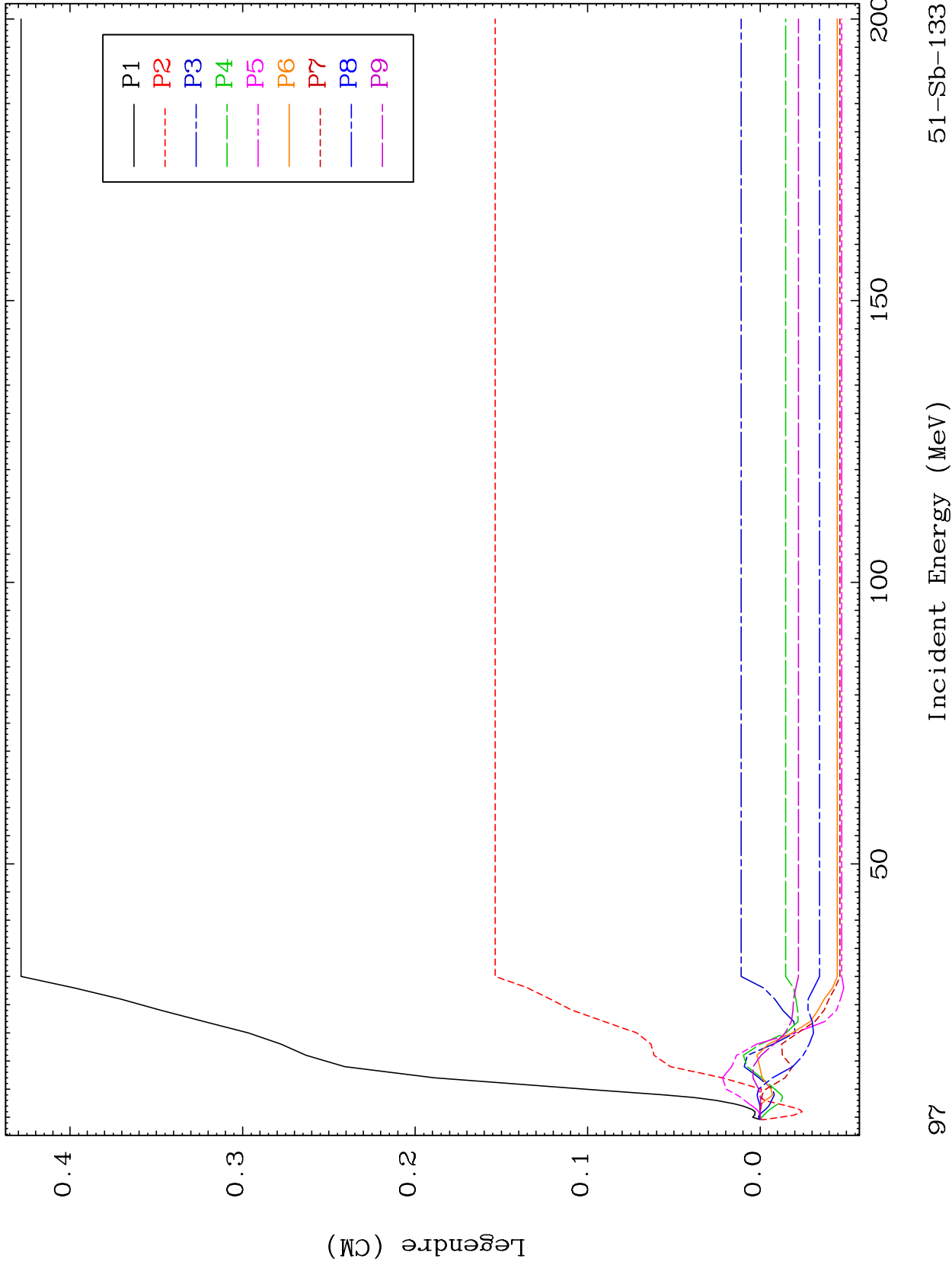


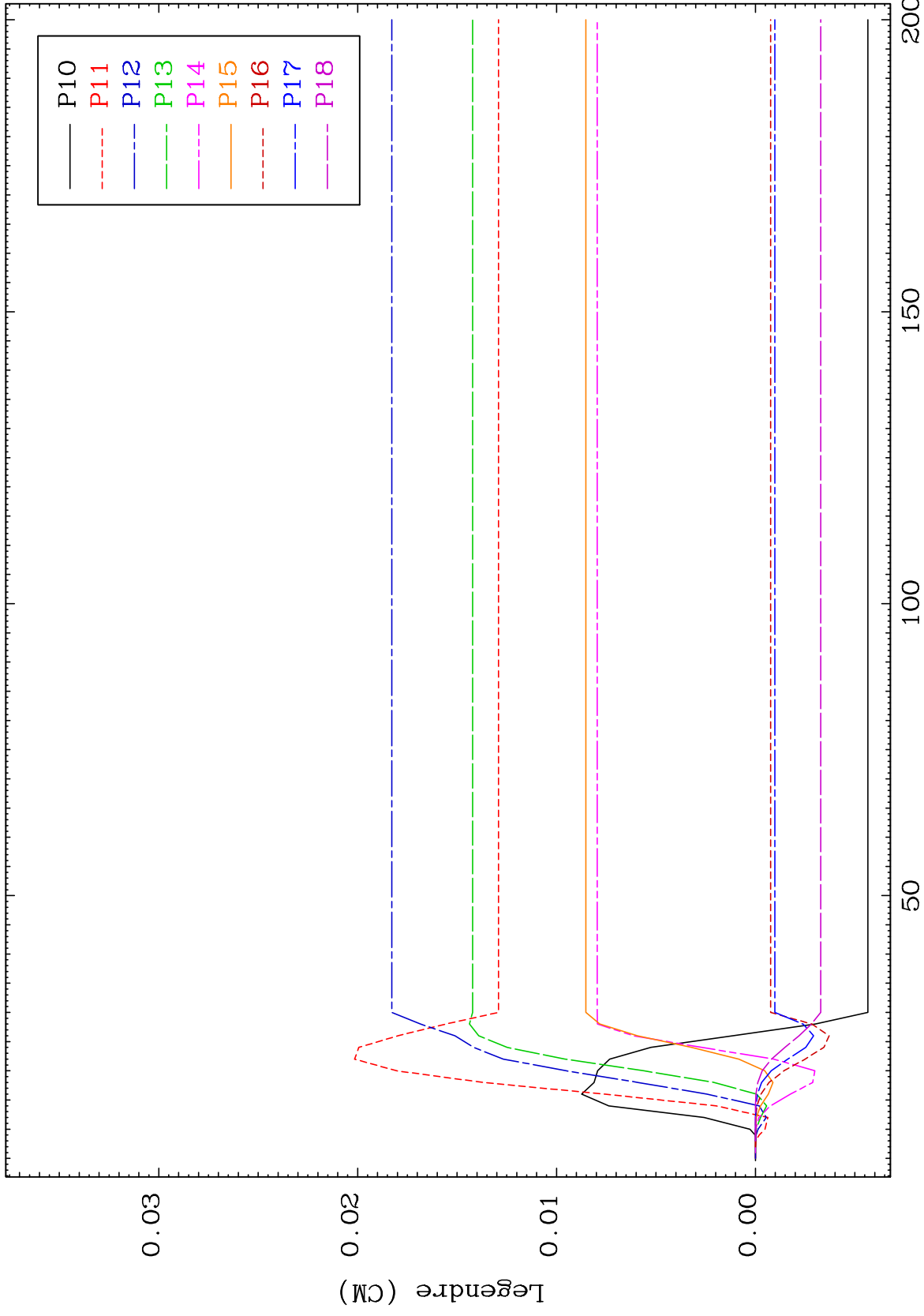
MAT 5161

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

51-Sb-133



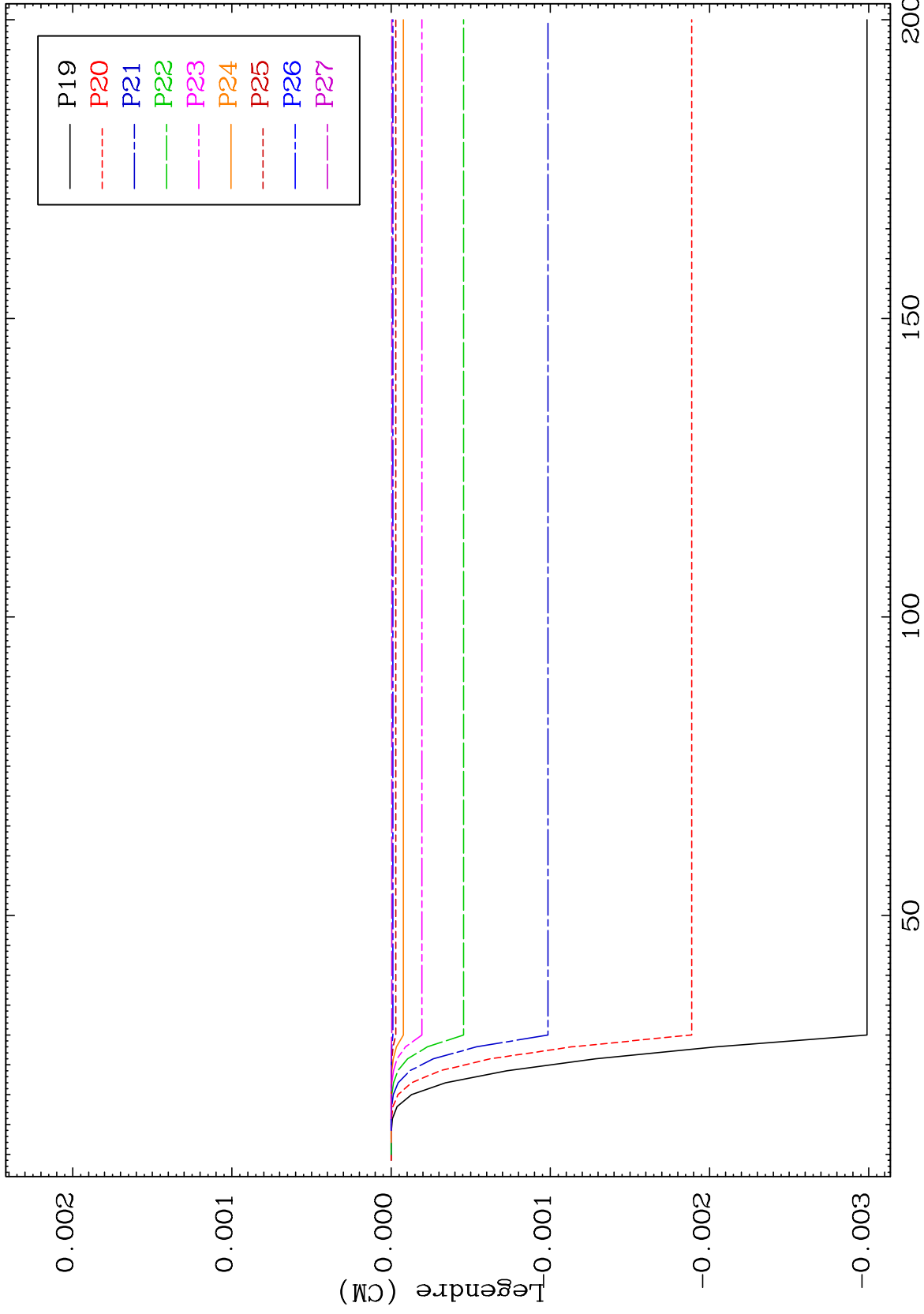




MAT 5161

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

51-Sb-133



99

Incident Energy (MeV)

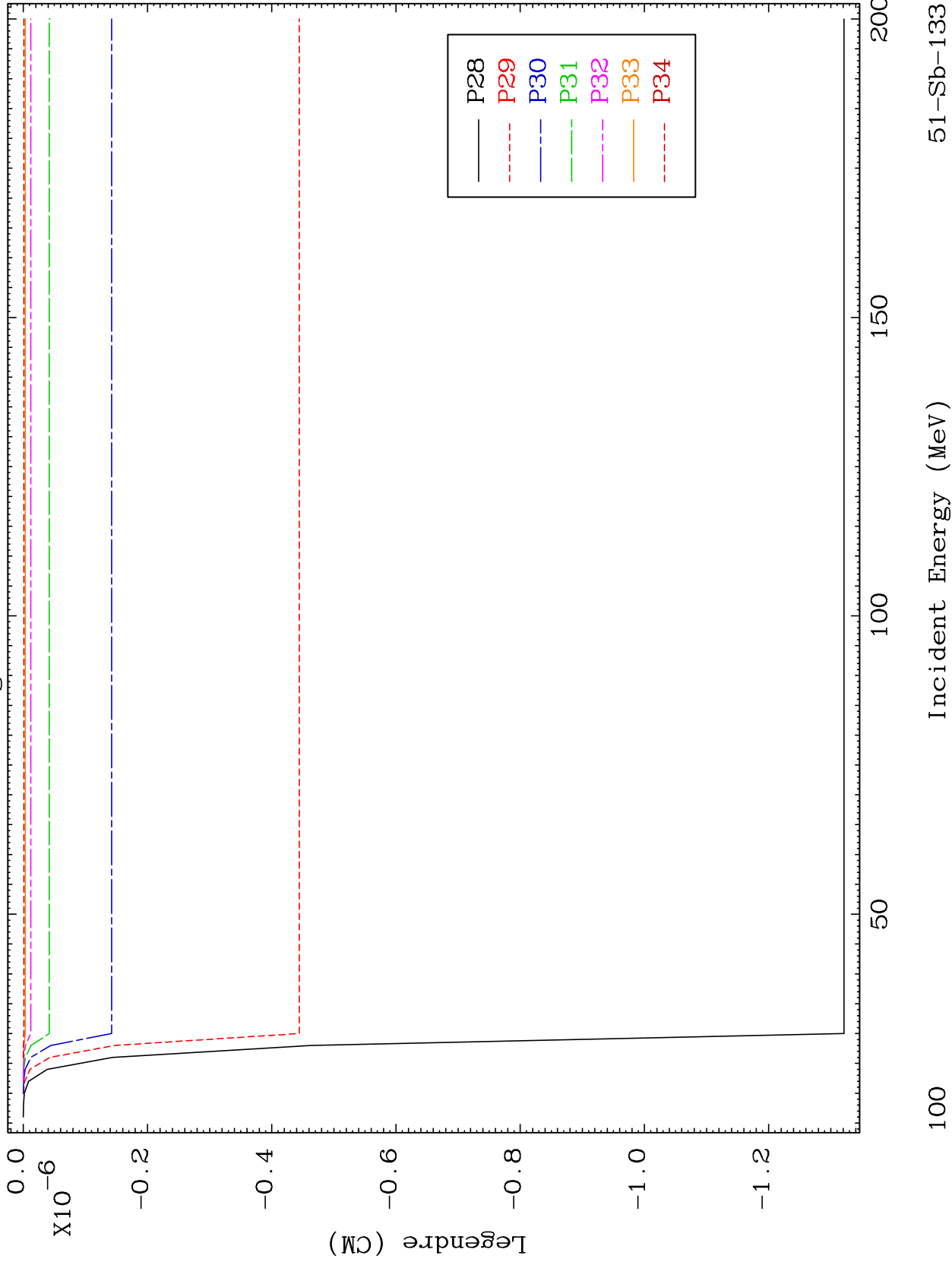
51-Sb-133

MAT 5161

MT= 71 (n,n') Level

51-Sb-133

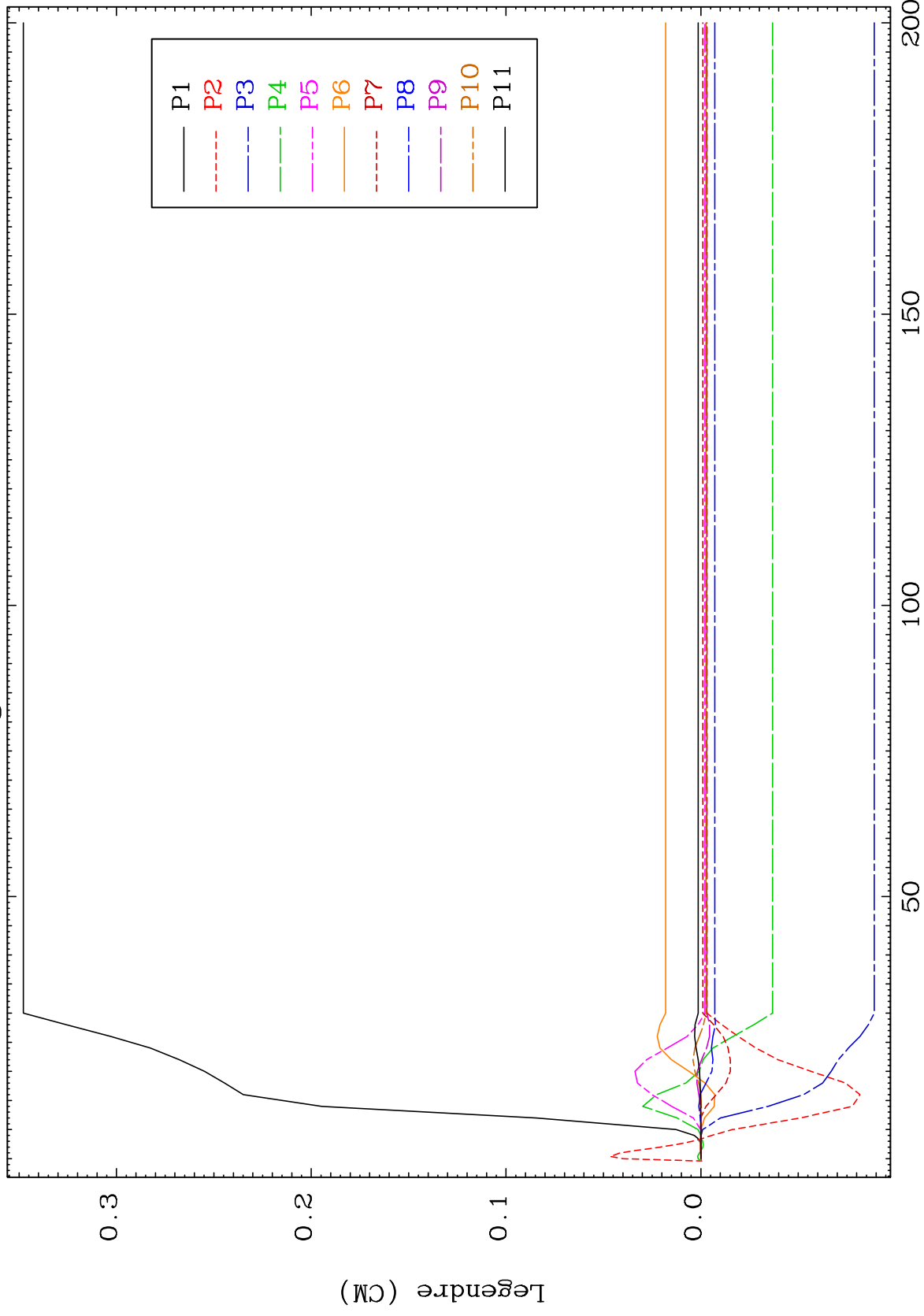
Legendre Coefficients



MAT 5161

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

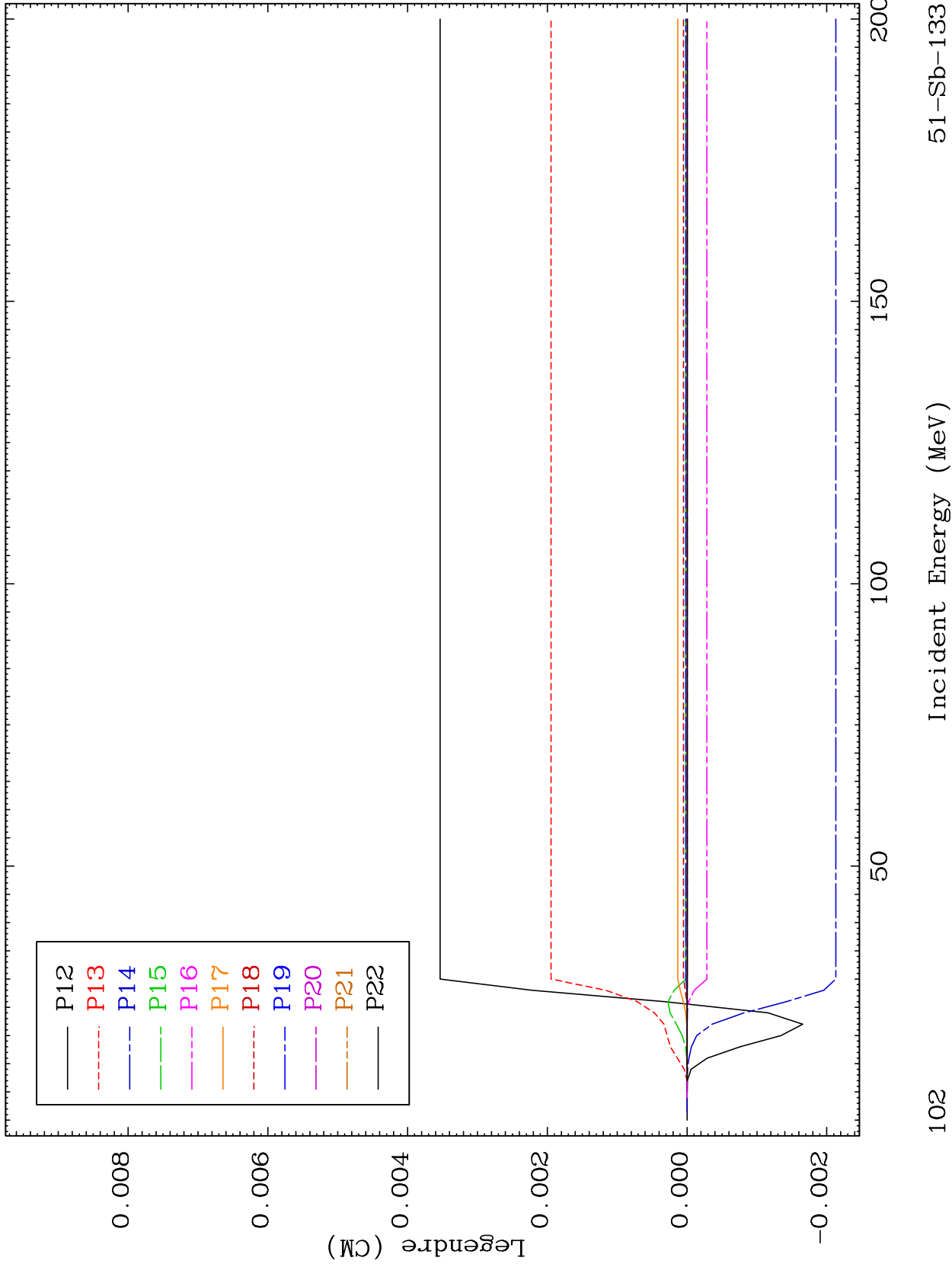
51-Sb-133



101

Incident Energy (MeV)

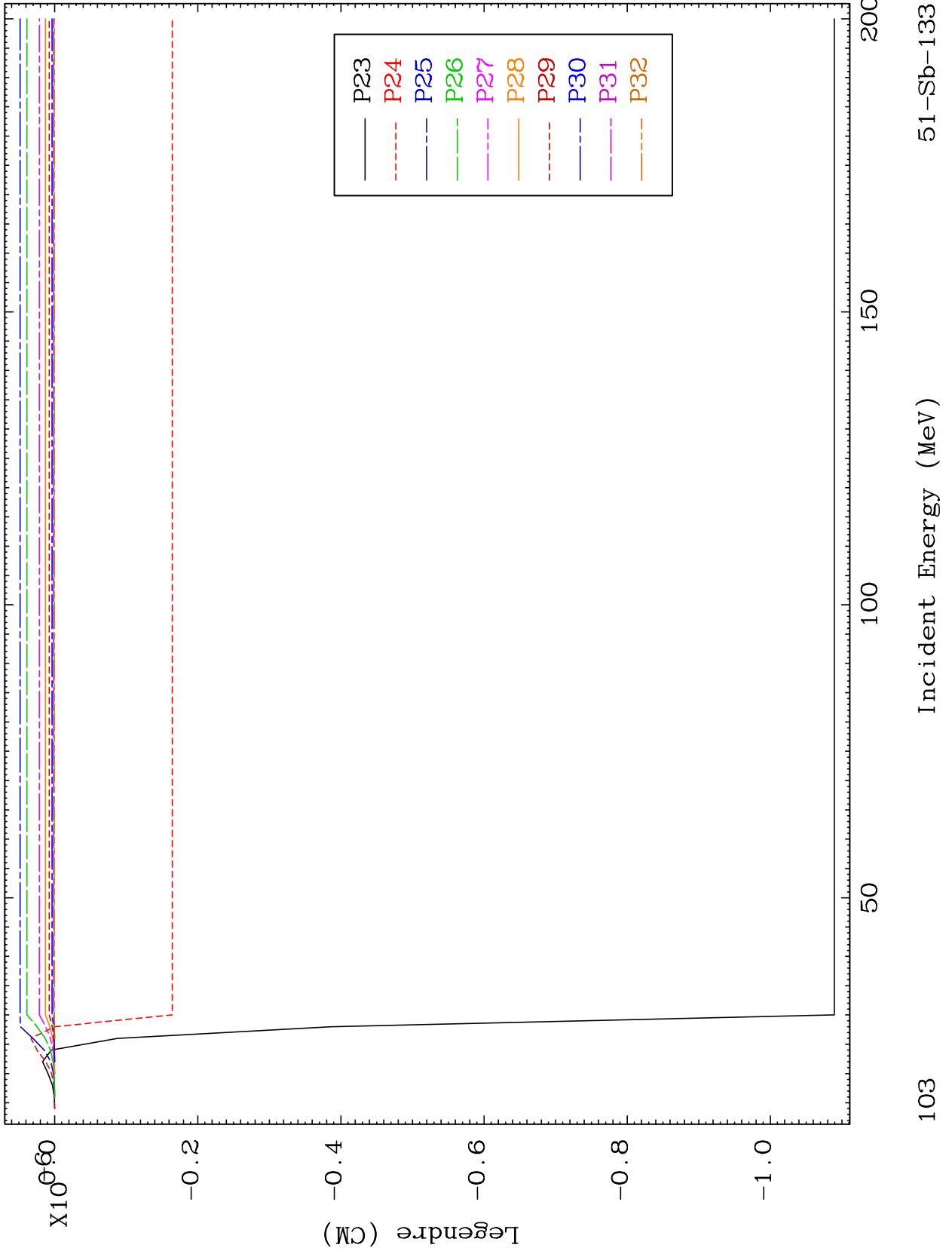
51-Sb-133



MAT 5161

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

51-Sb-133

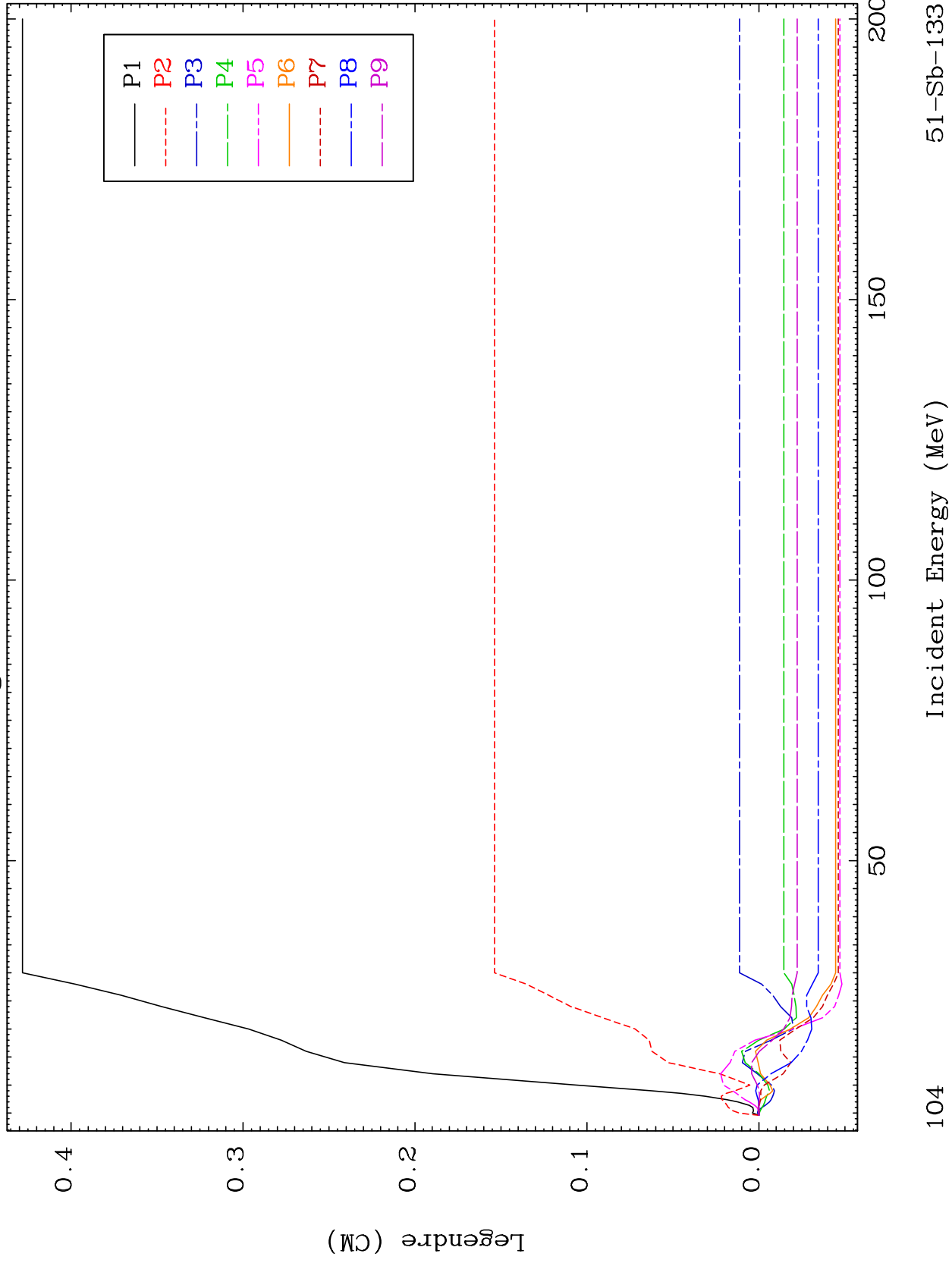


103

Incident Energy (MeV)

51-Sb-133

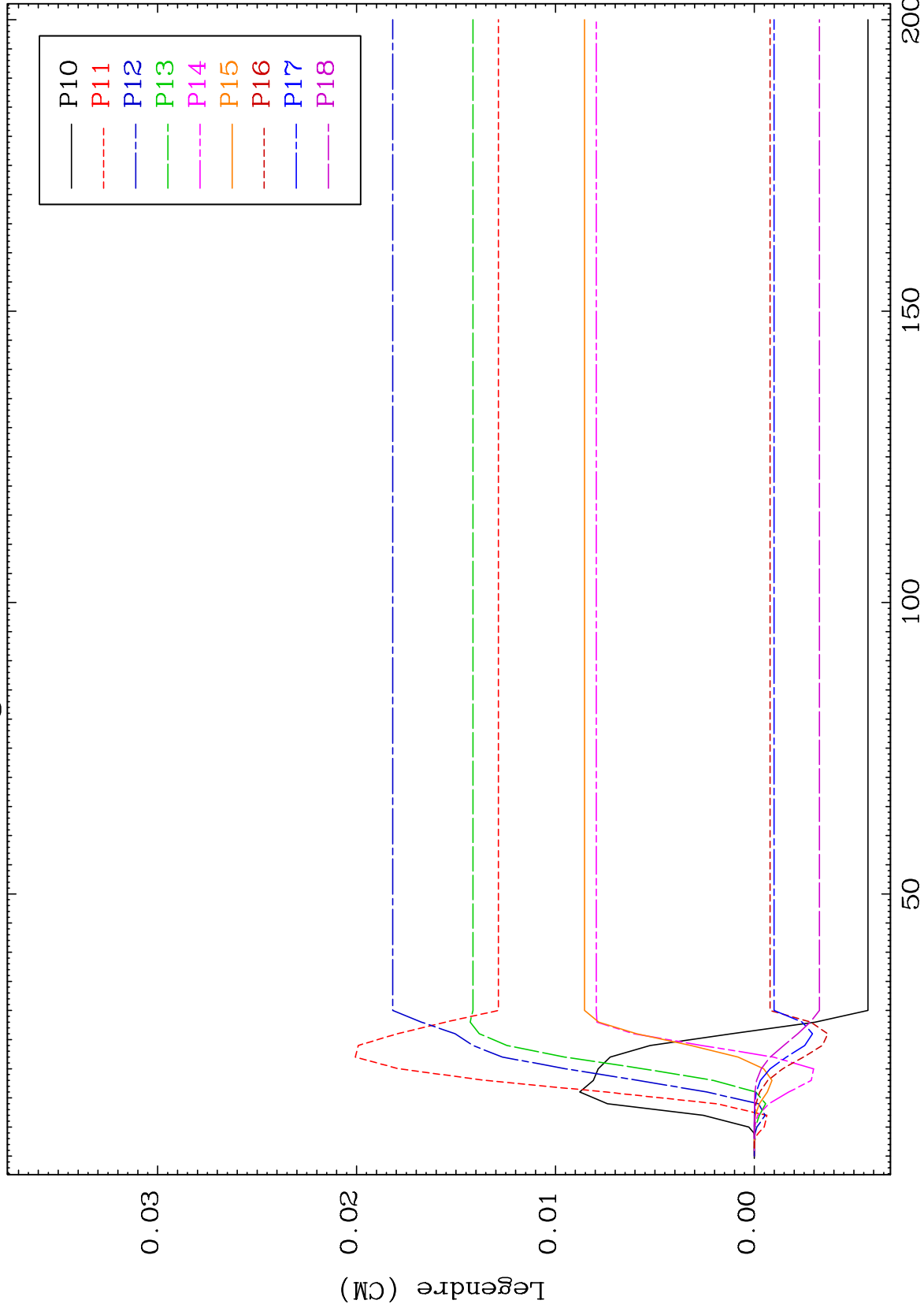




MAT 5161

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

51-Sb-133



105

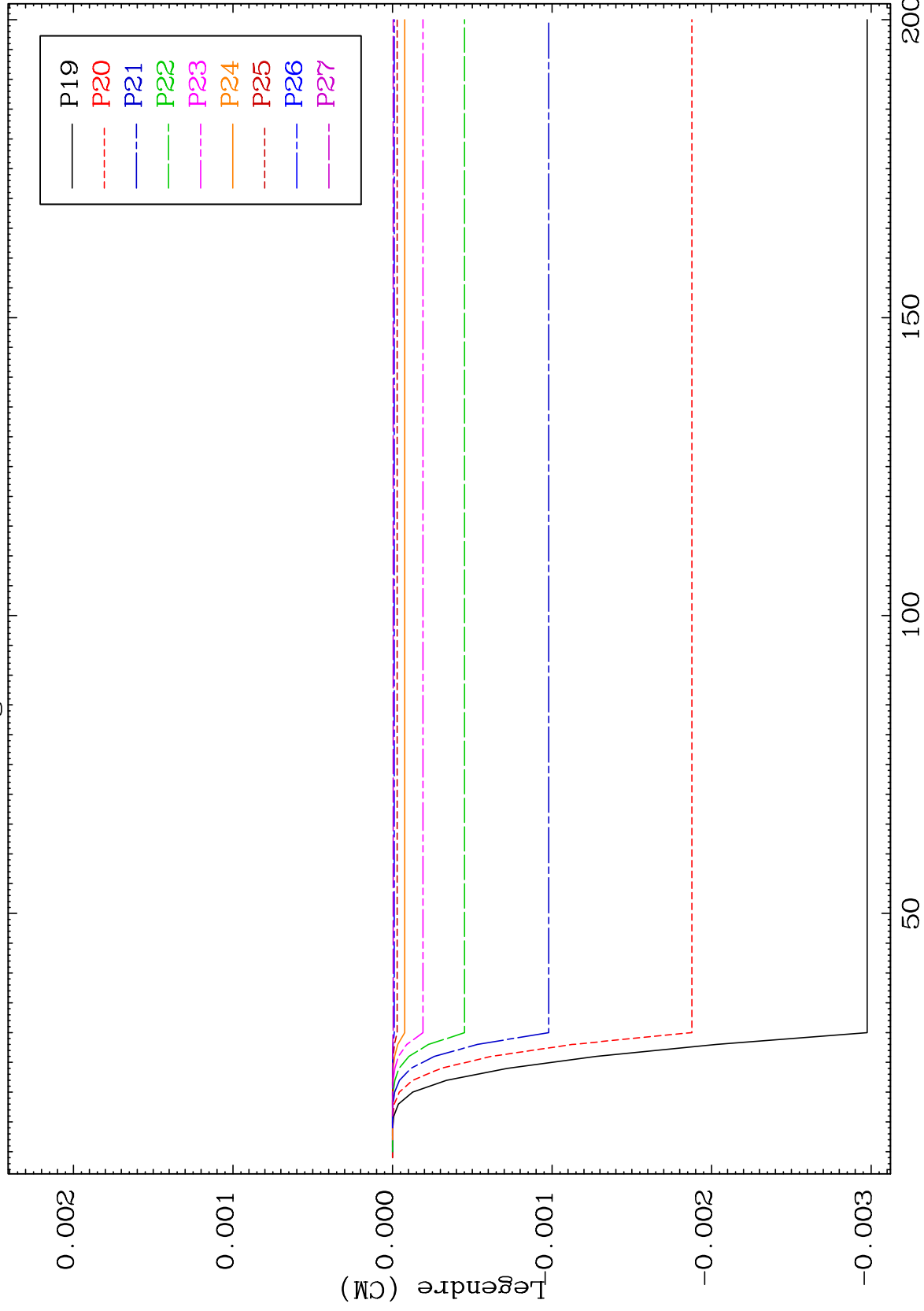
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



106

Incident Energy (MeV)

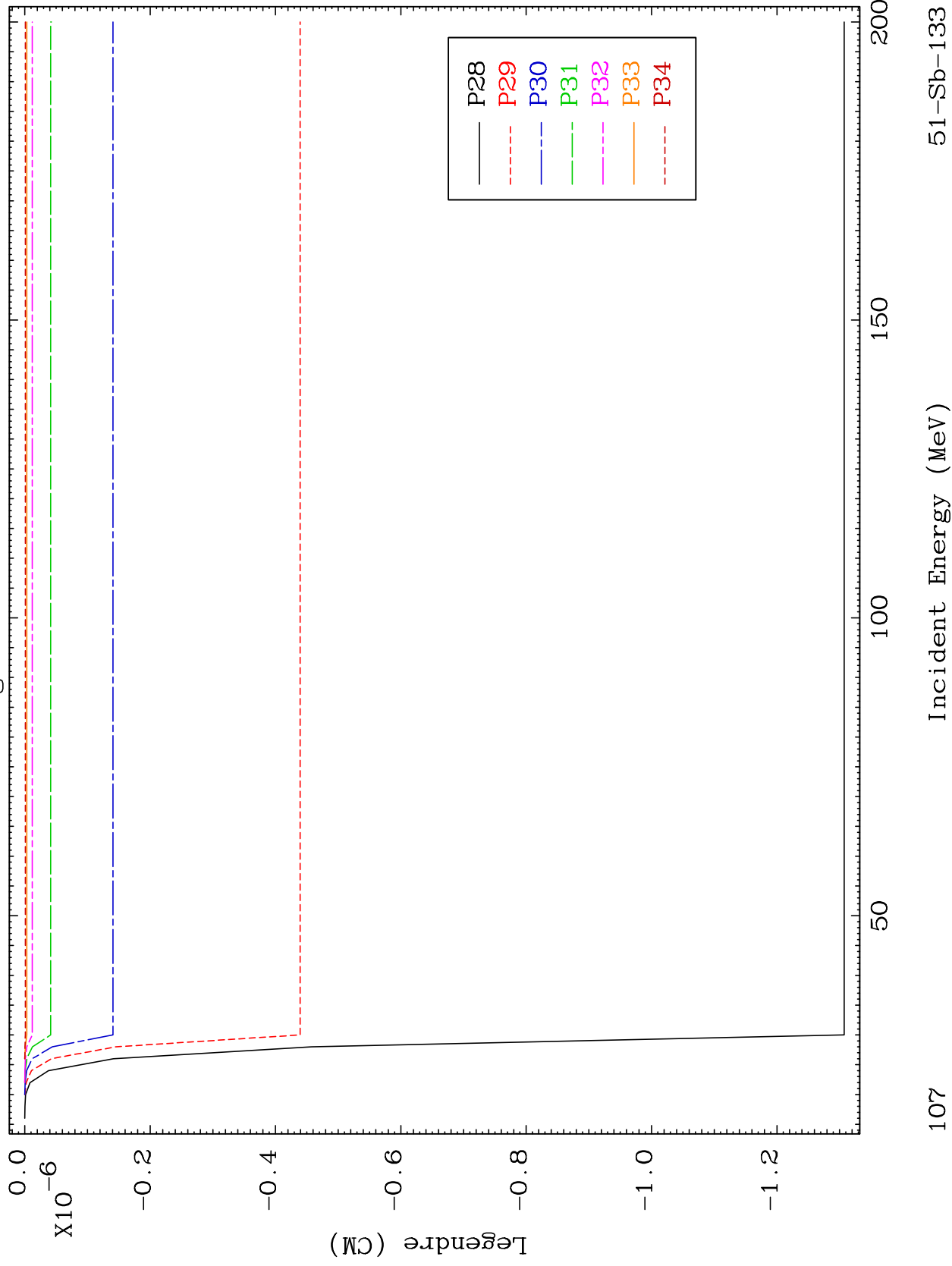
51-Sb-133

MAT 5161

MT= 73 (n,n') Level

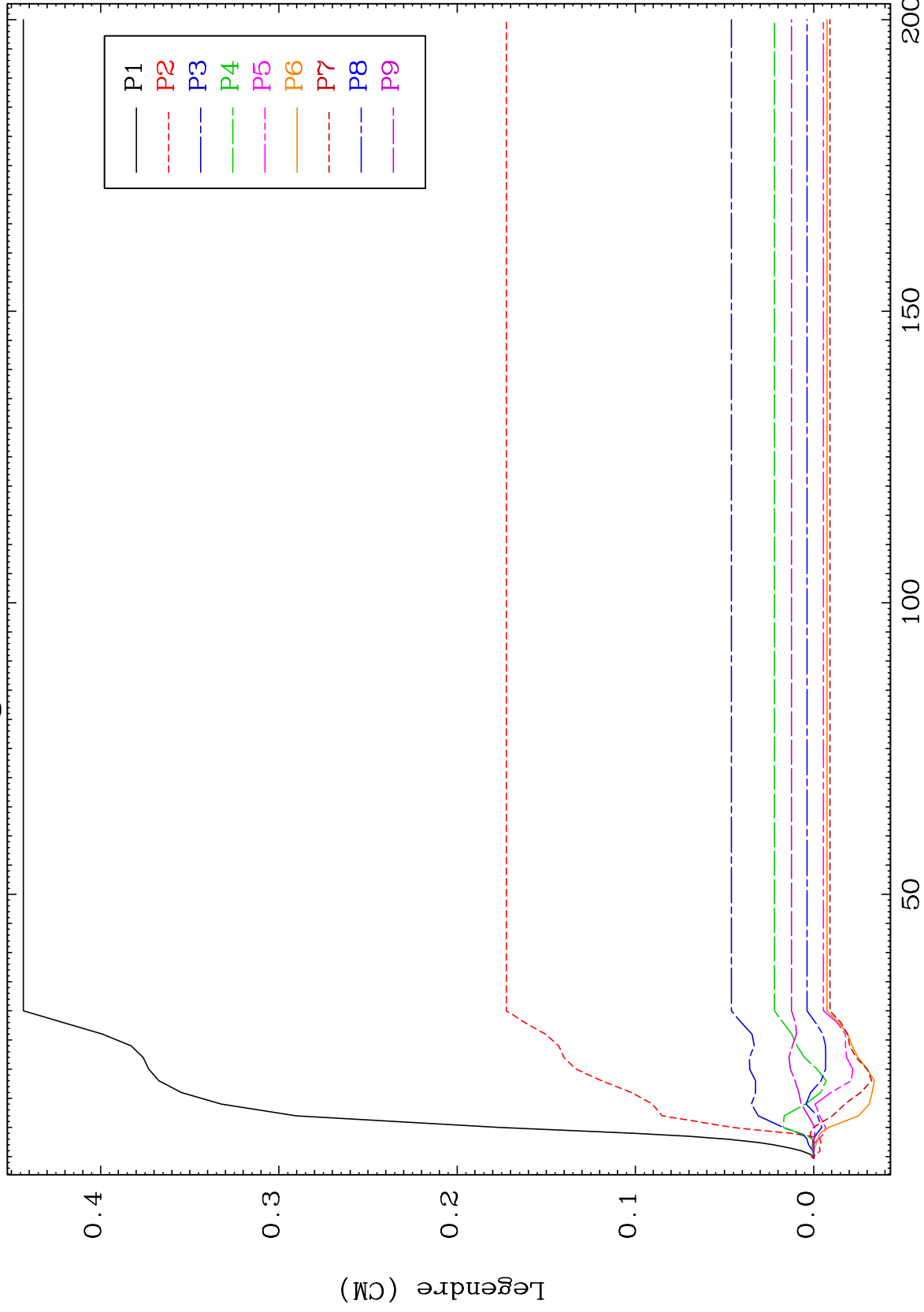
51-Sb-133

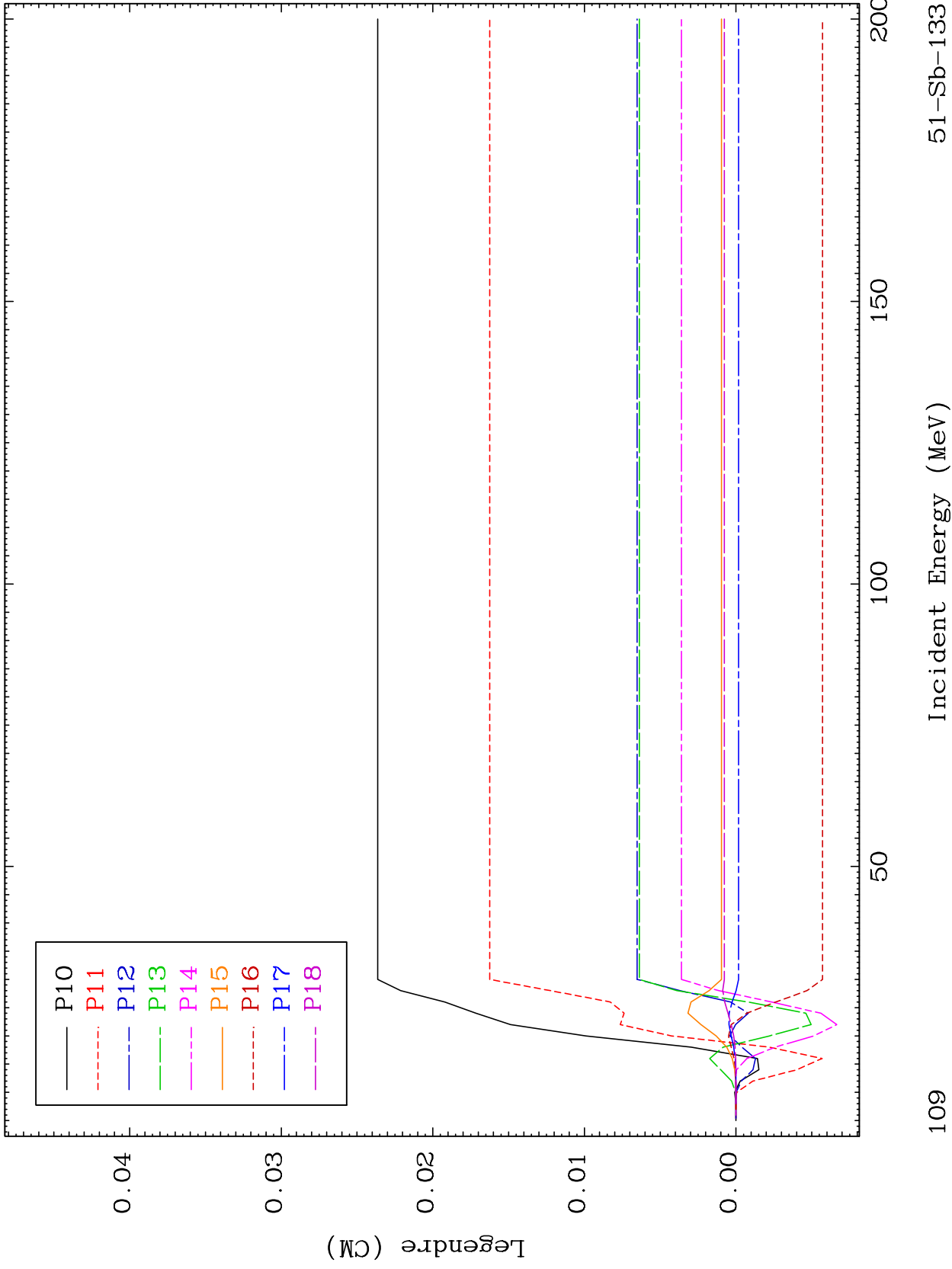
Legendre Coefficients



107

51-Sb-133

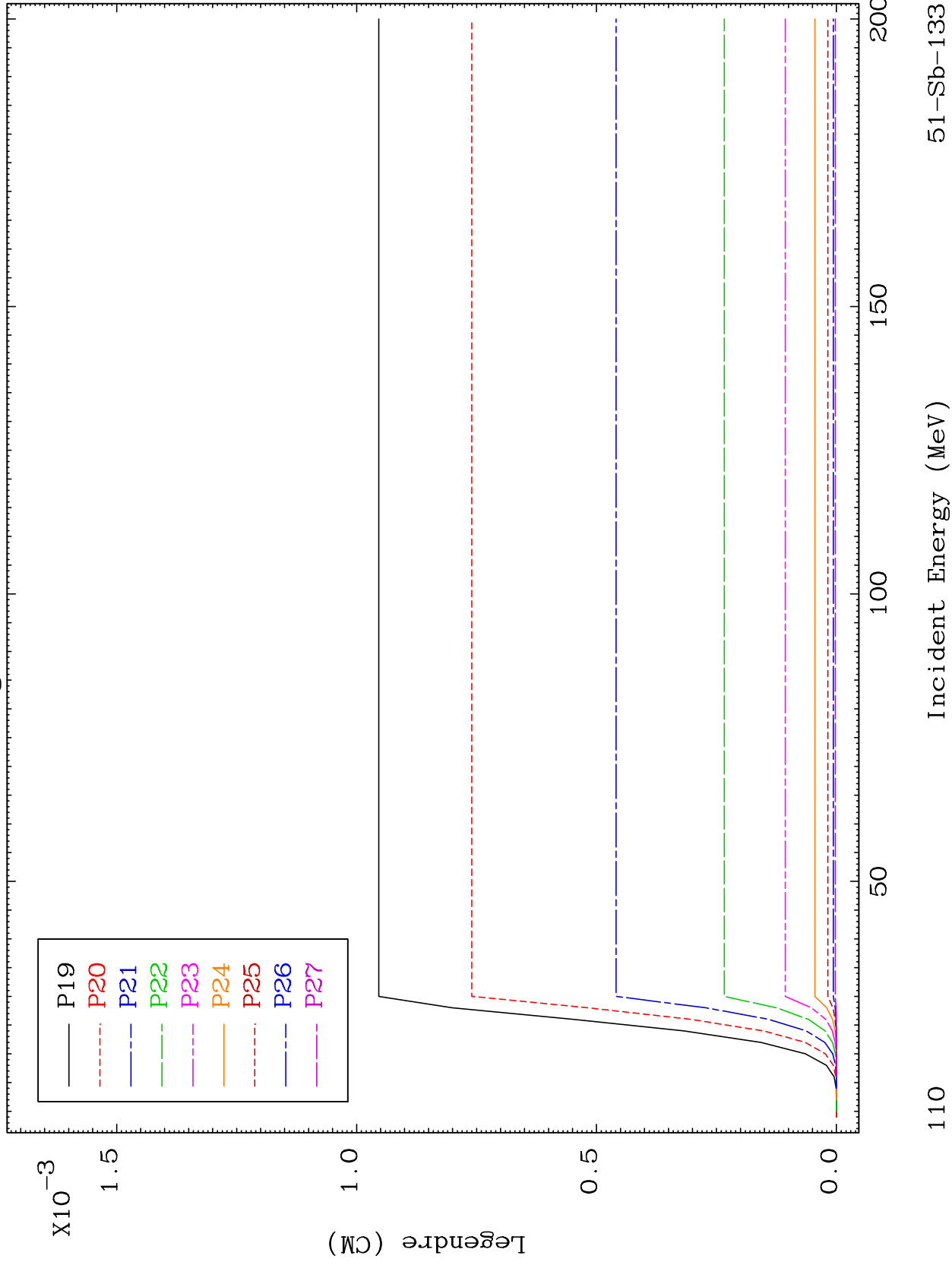




MAT 5161

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

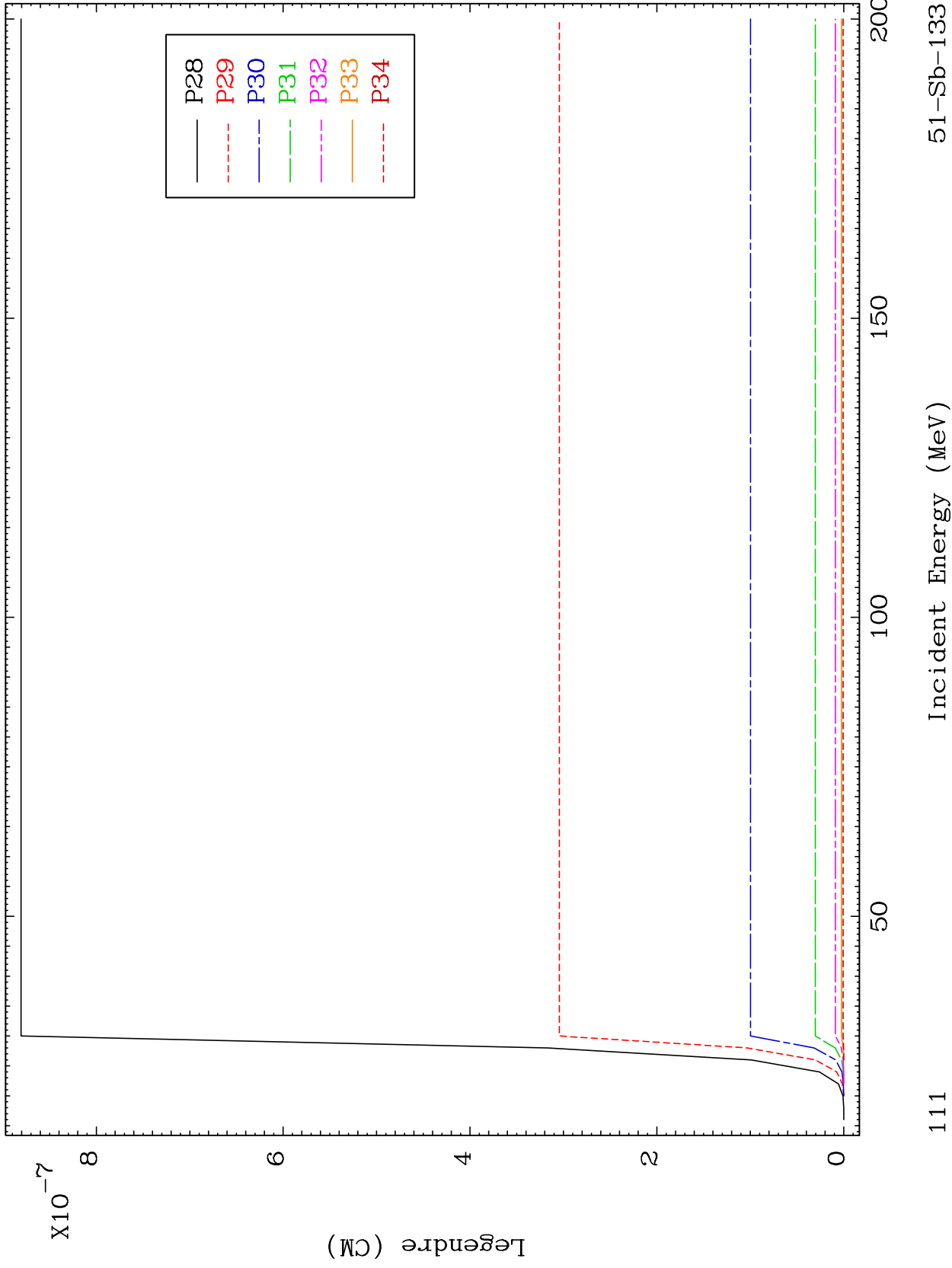
51-Sb-133



MAT 5161

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

51-Sb-133



111

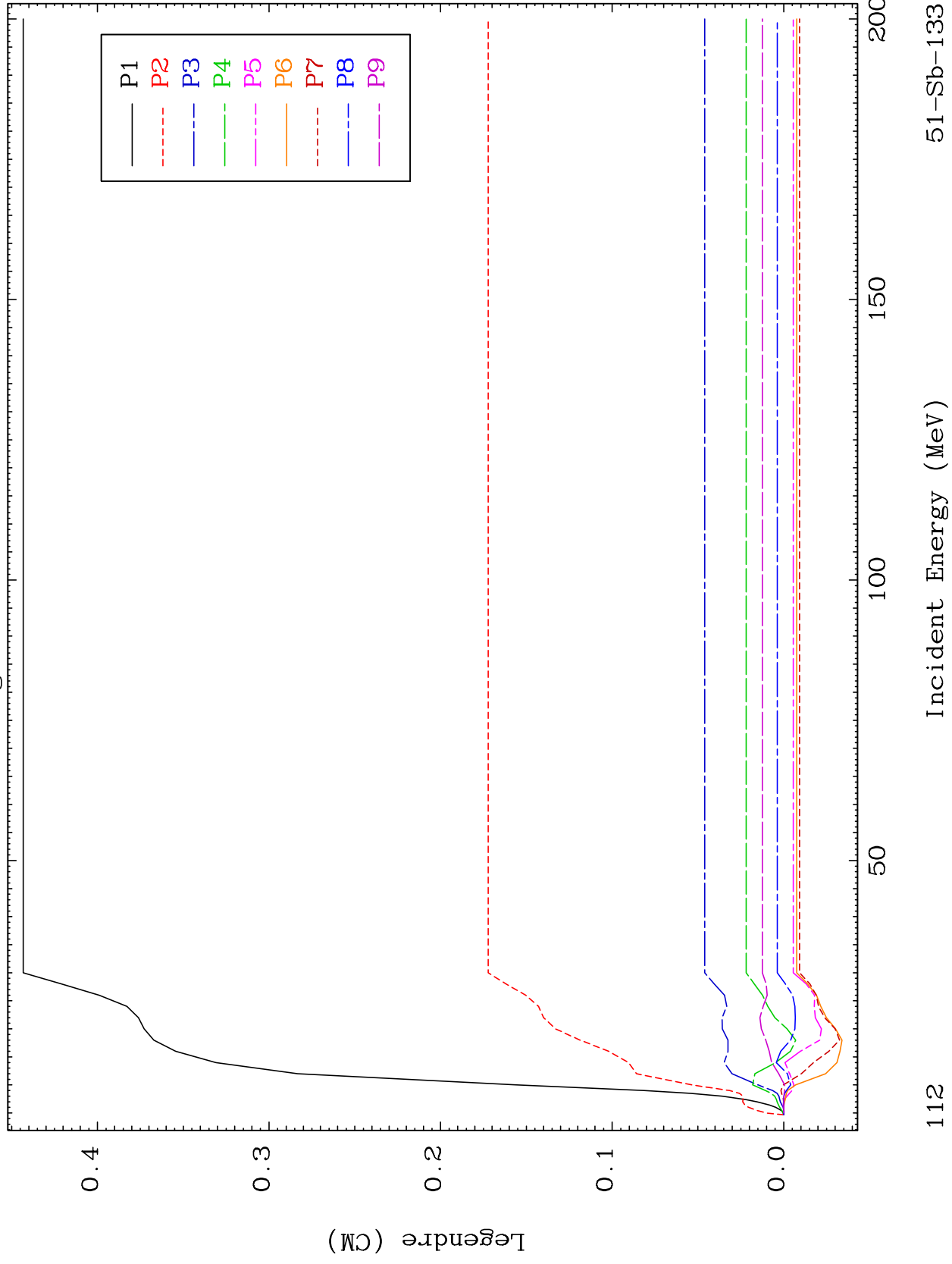
51-Sb-133



MAT 5161

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

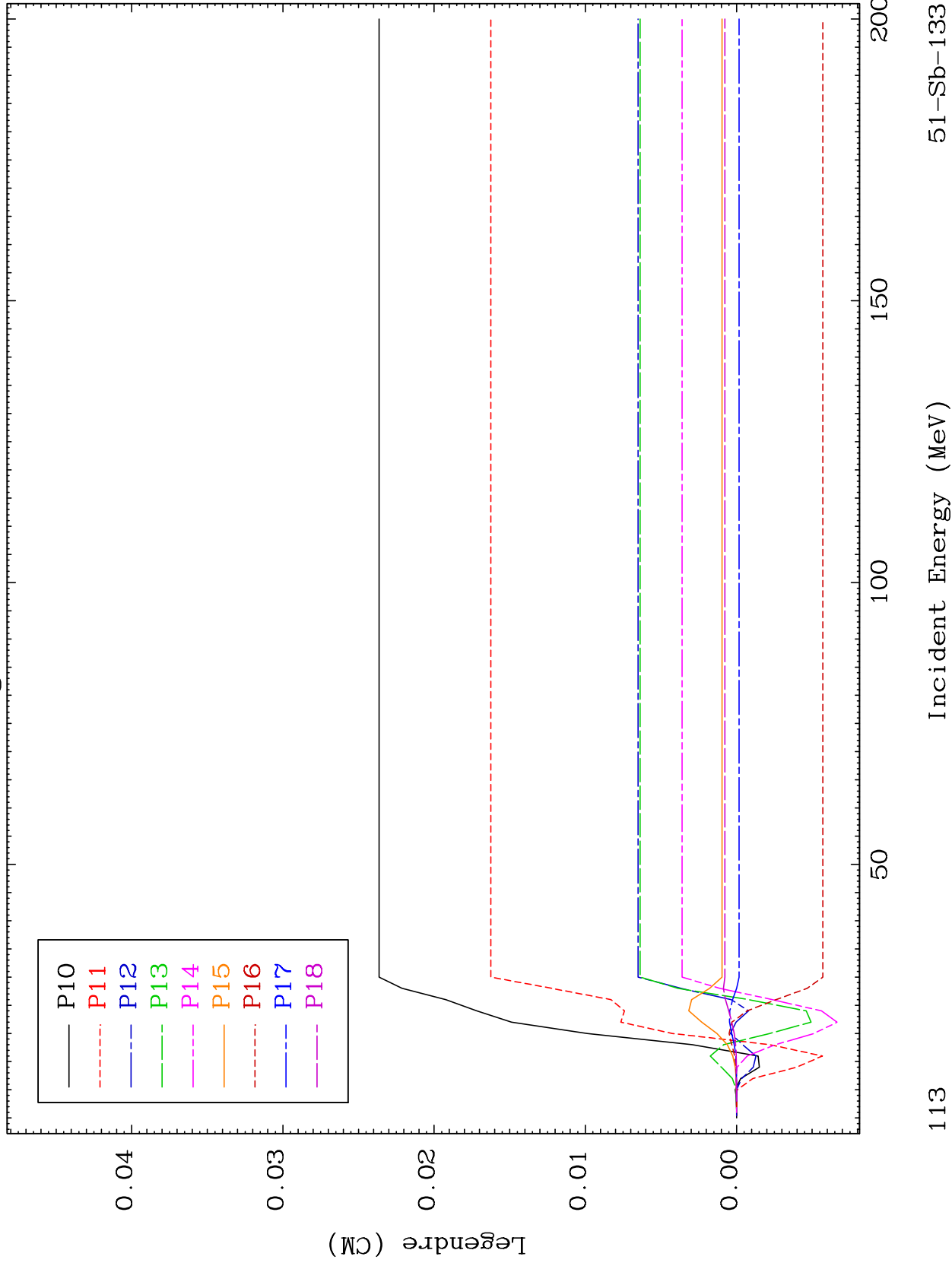
51-Sb-133



51-Sb-133

Incident Energy (MeV)

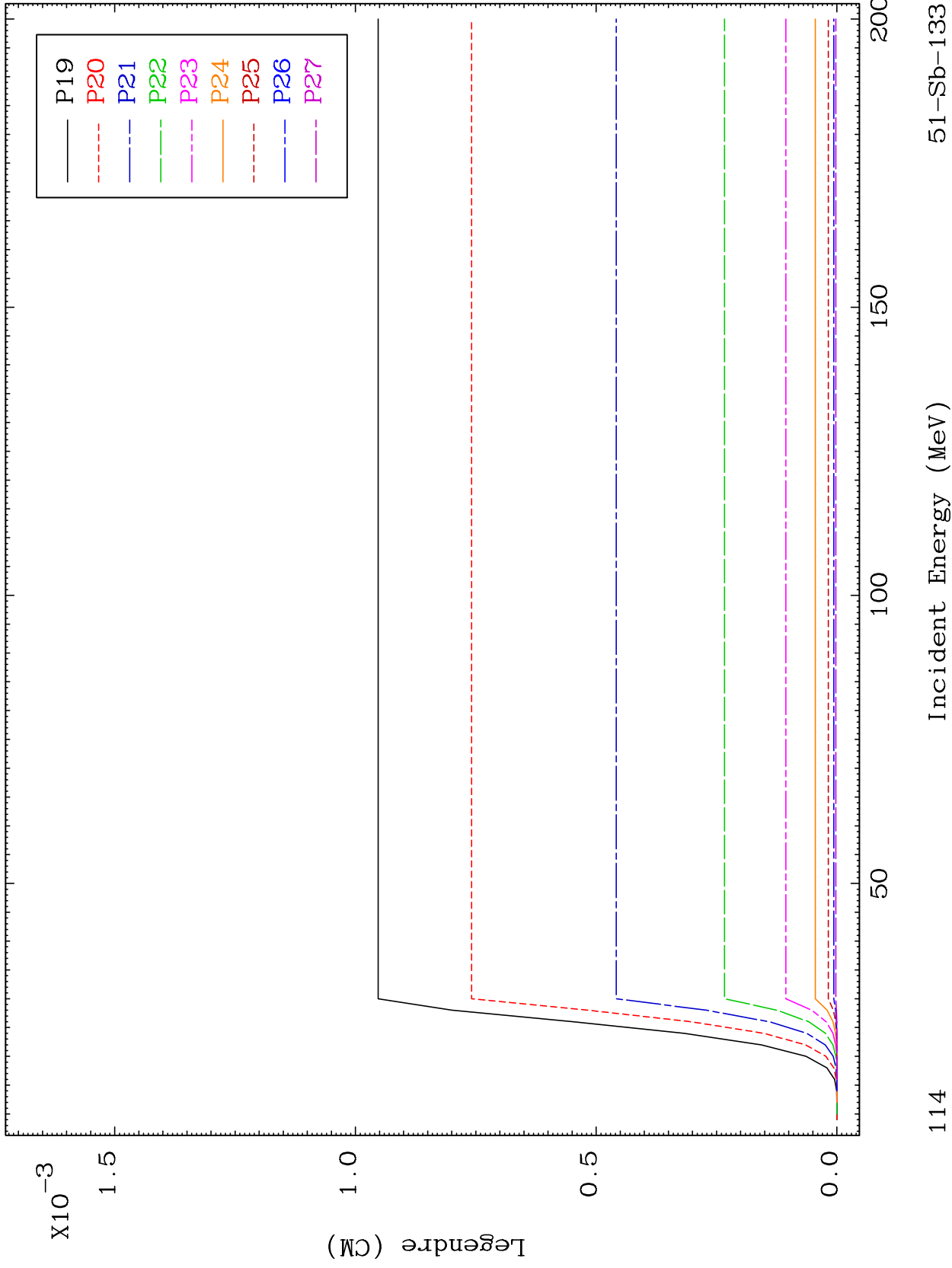
112



MAT 5161

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

51-Sb-133



114

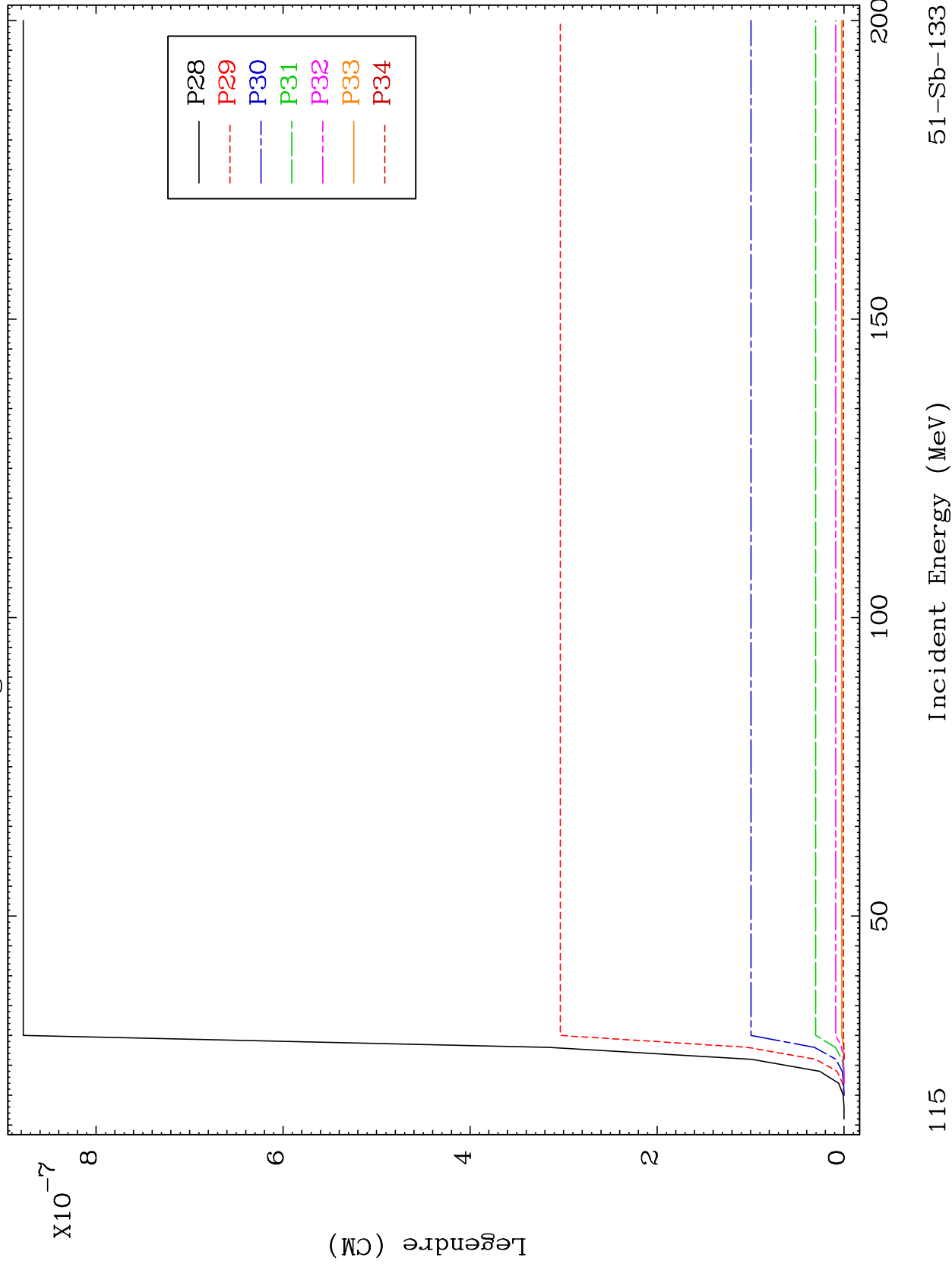
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

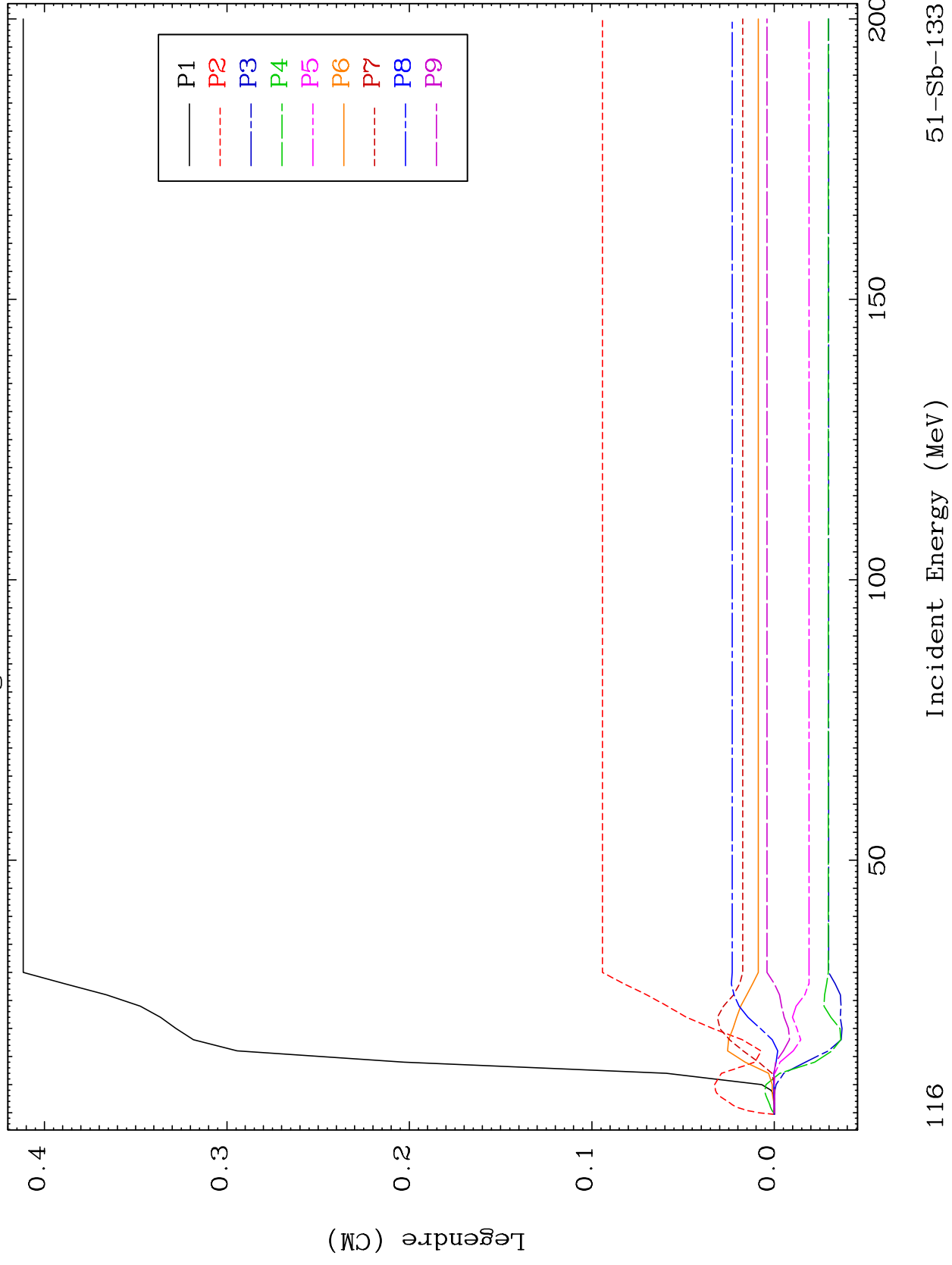
51-Sb-133



MAT 5161

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

51-Sb-133



116

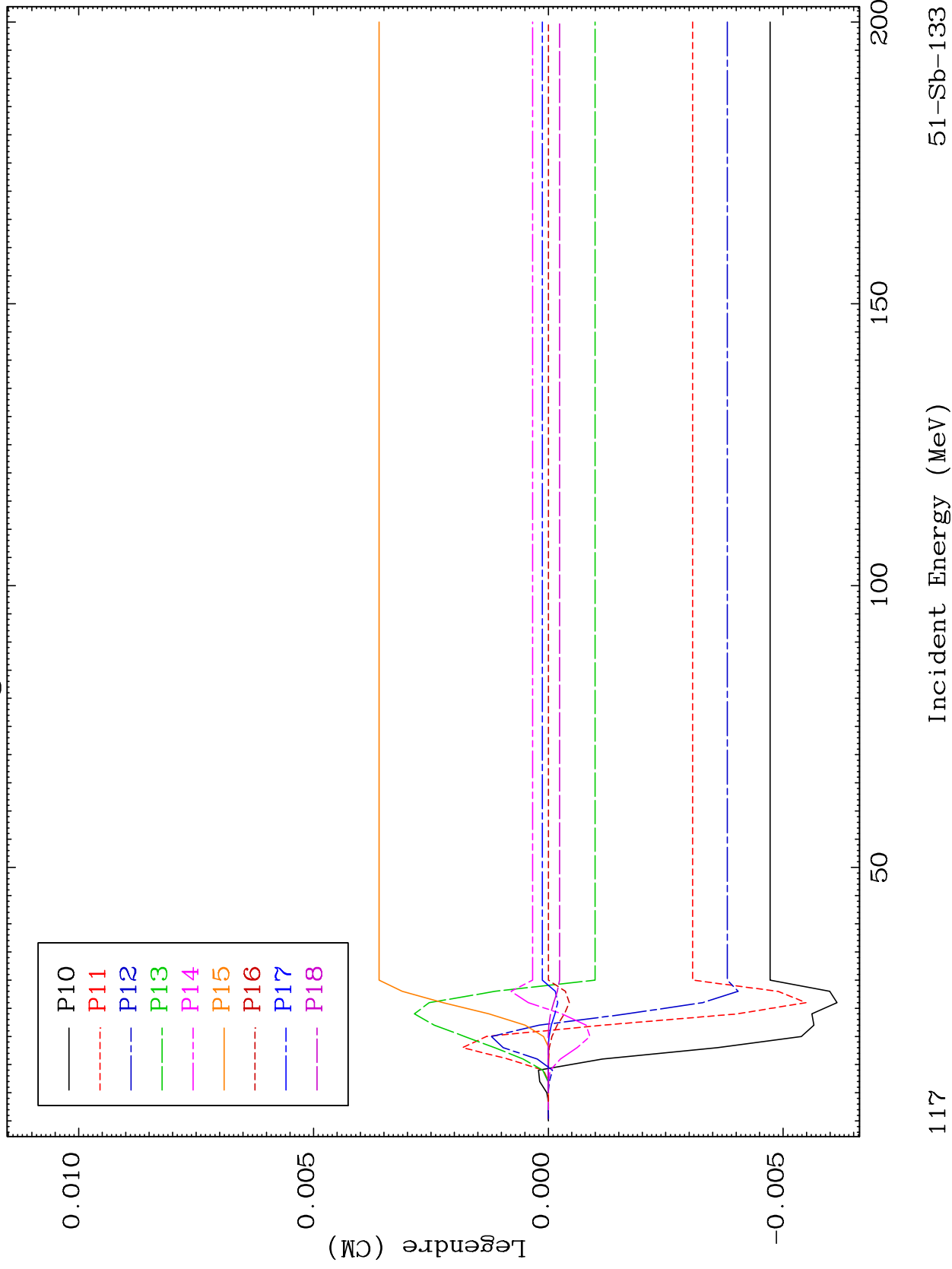
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



117

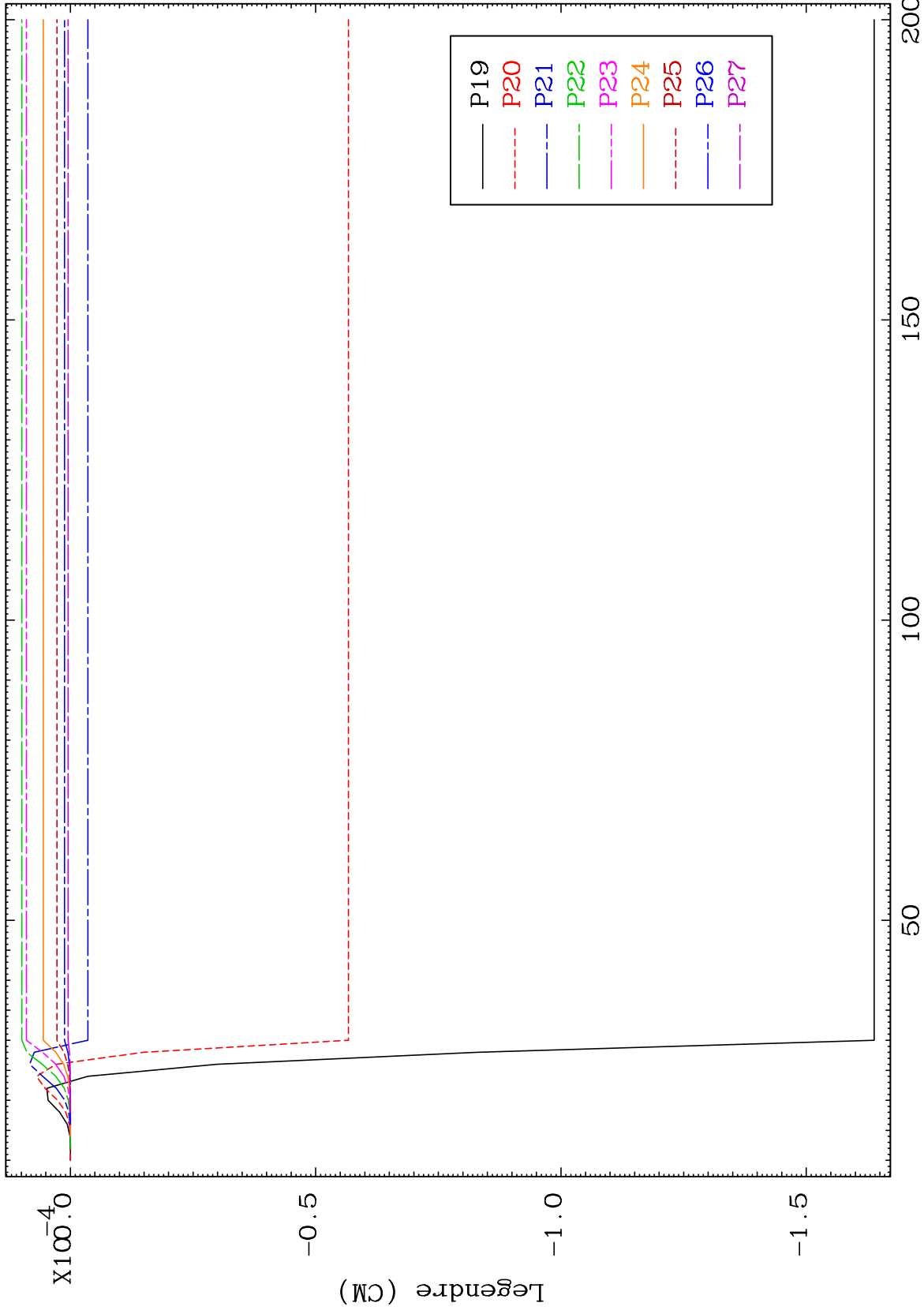
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



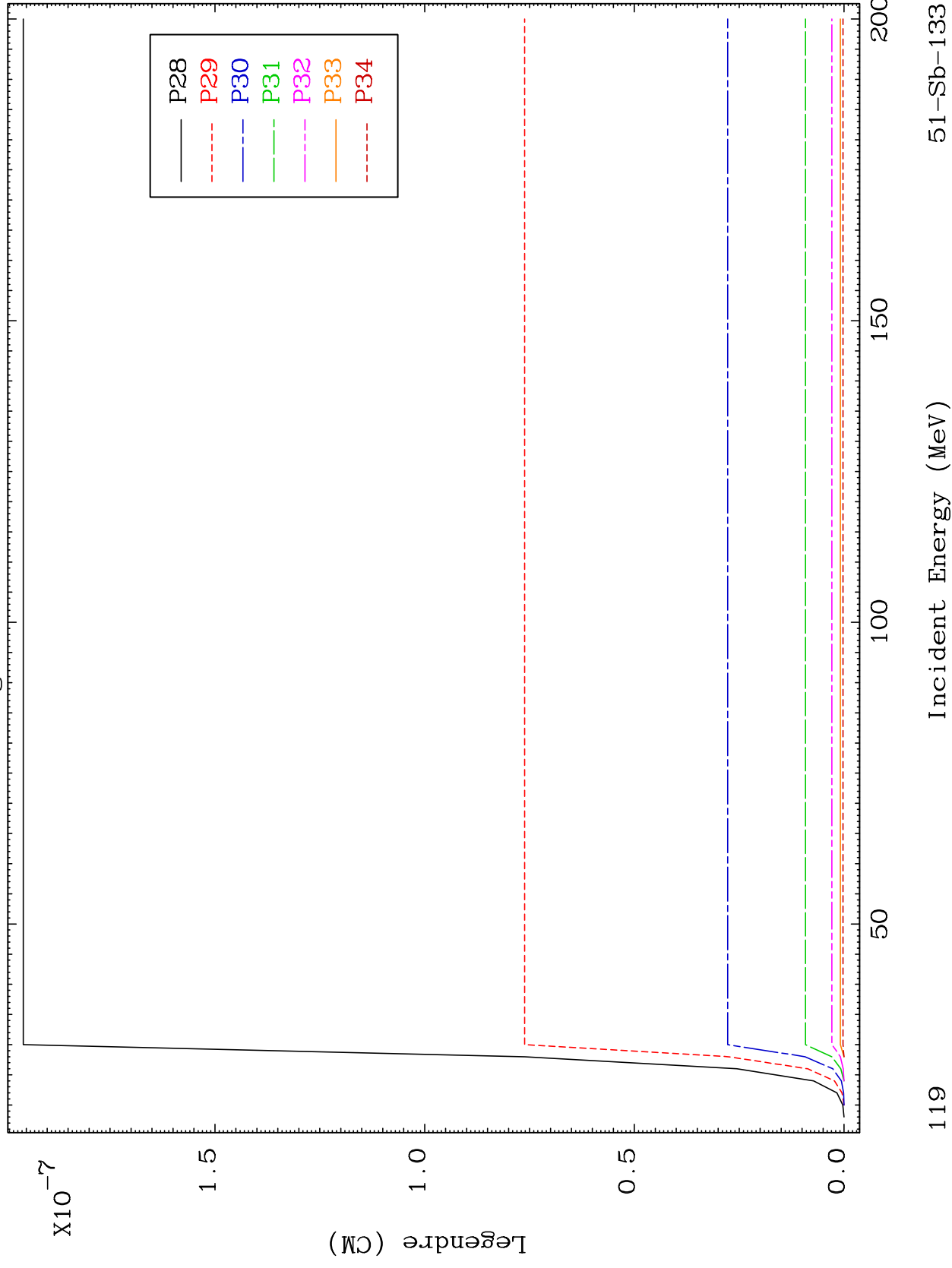
118

51-Sb-133

MAT 5161

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

51-Sb-133



119

Incident Energy (MeV)

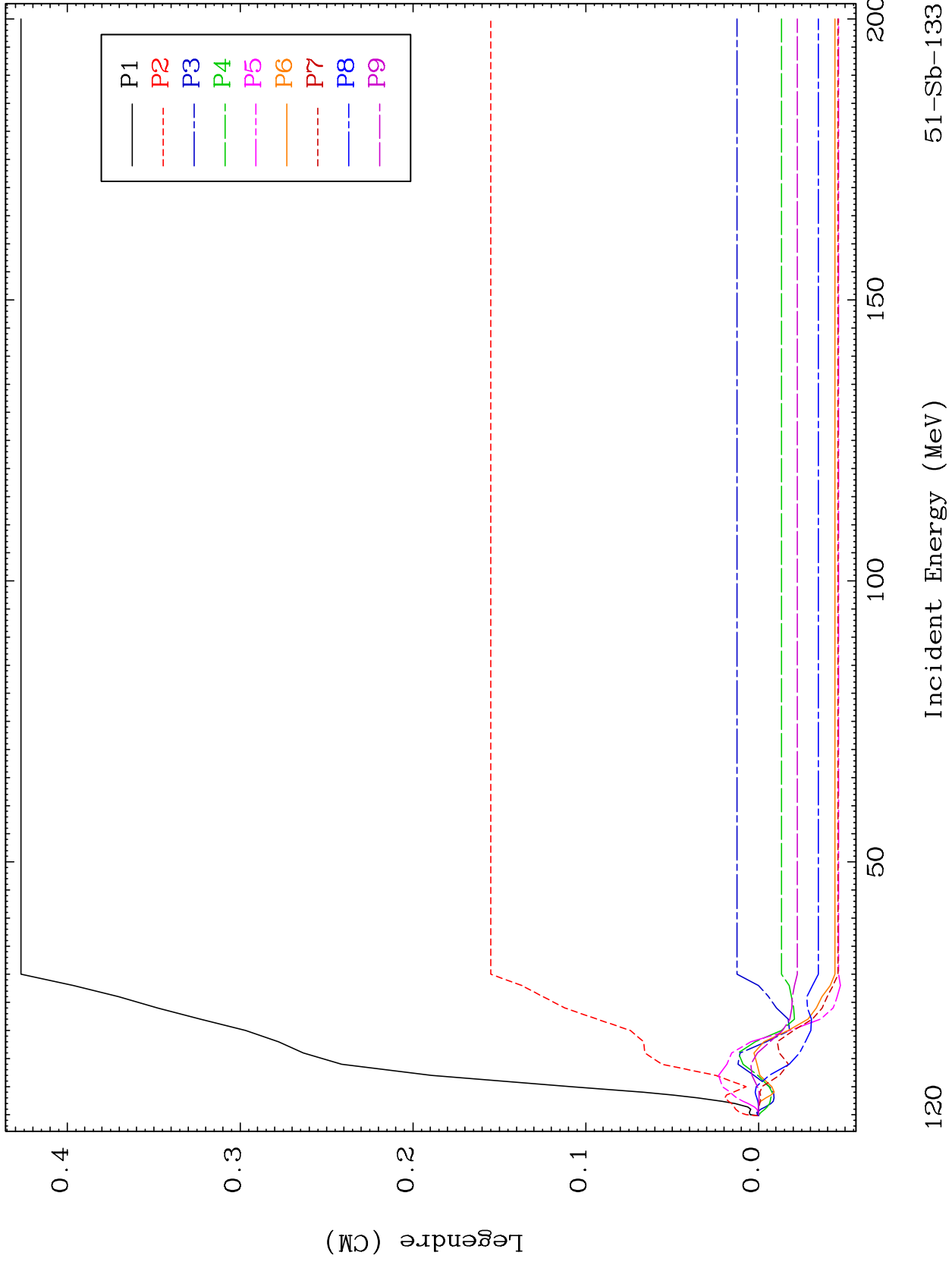
51-Sb-133



MAT 5161

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

51-Sb-133



51-Sb-133

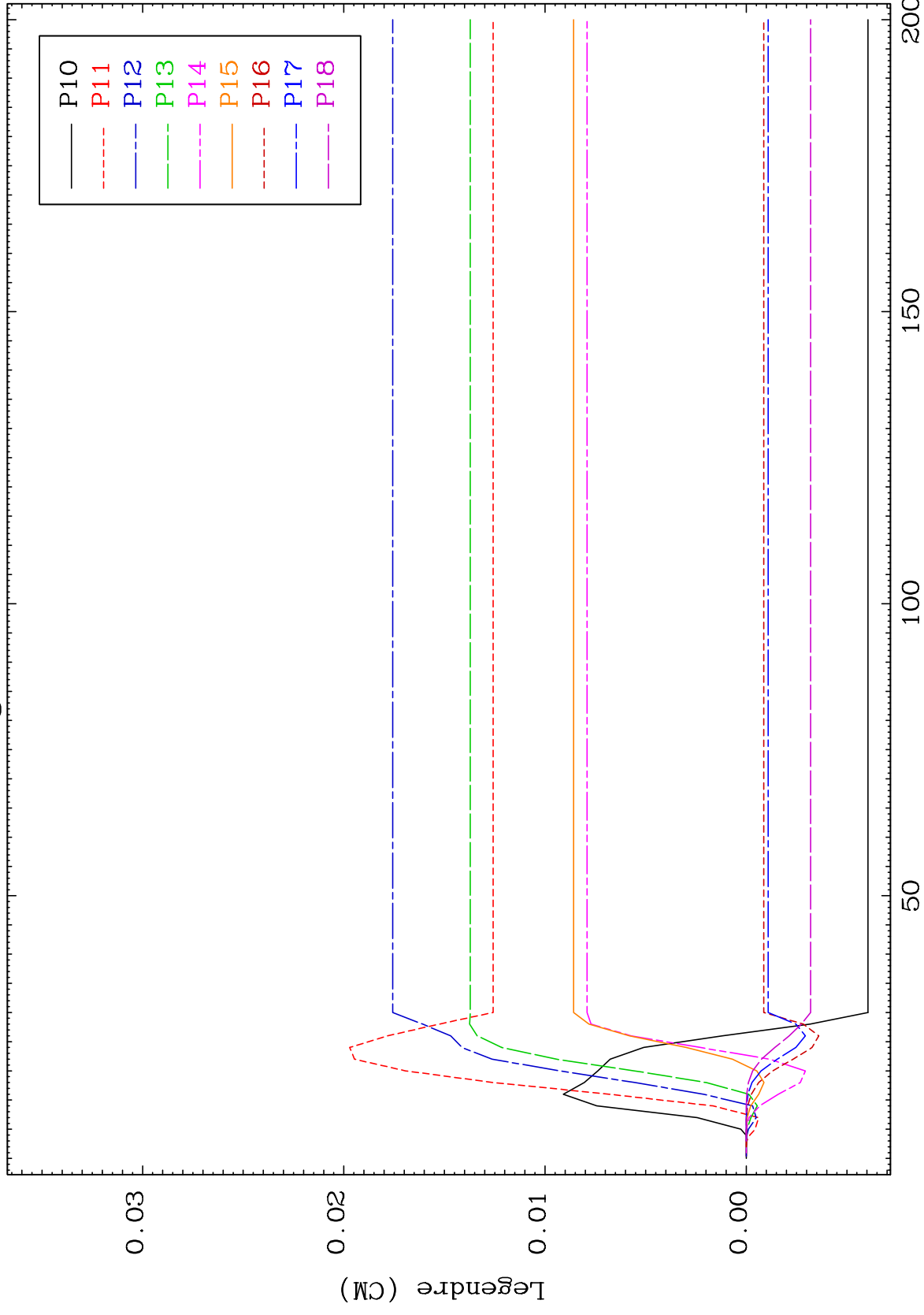
Incident Energy (MeV)

120

MAT 5161

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

51-Sb-133



121

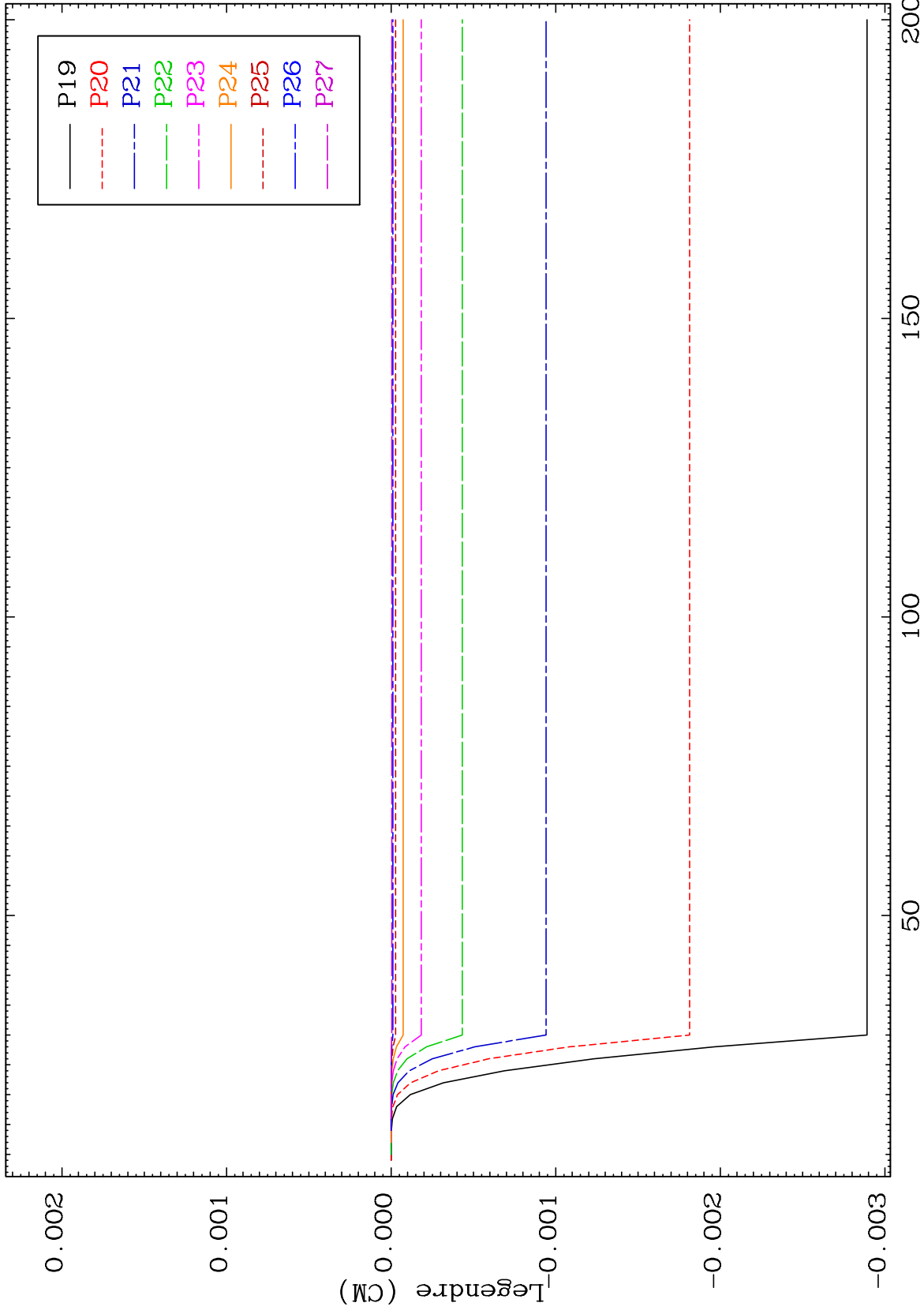
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



122

Incident Energy (MeV)

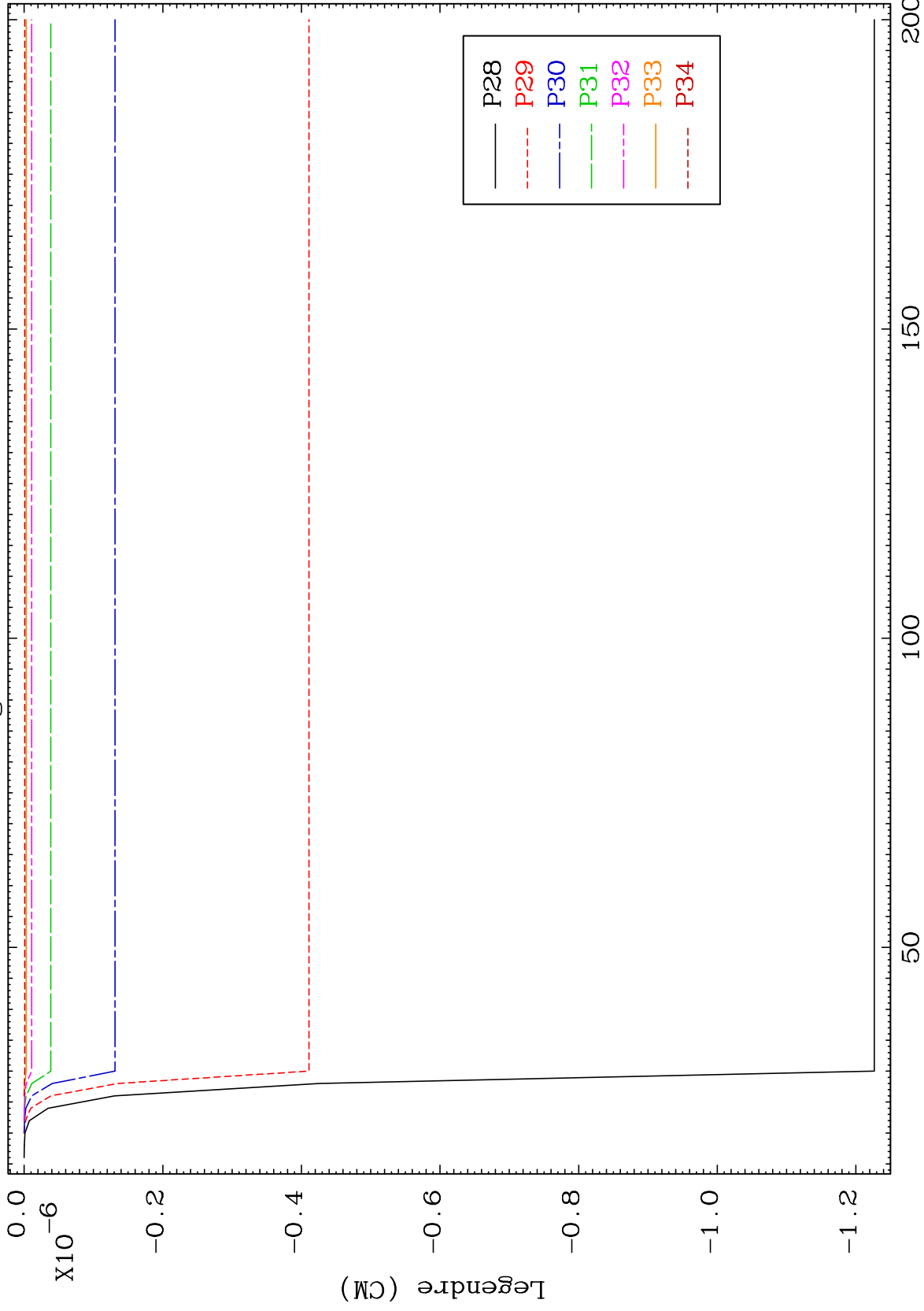
51-Sb-133

MAT 5161

MT= 77 (n,n') Level

51-Sb-133

Legendre Coefficients



123

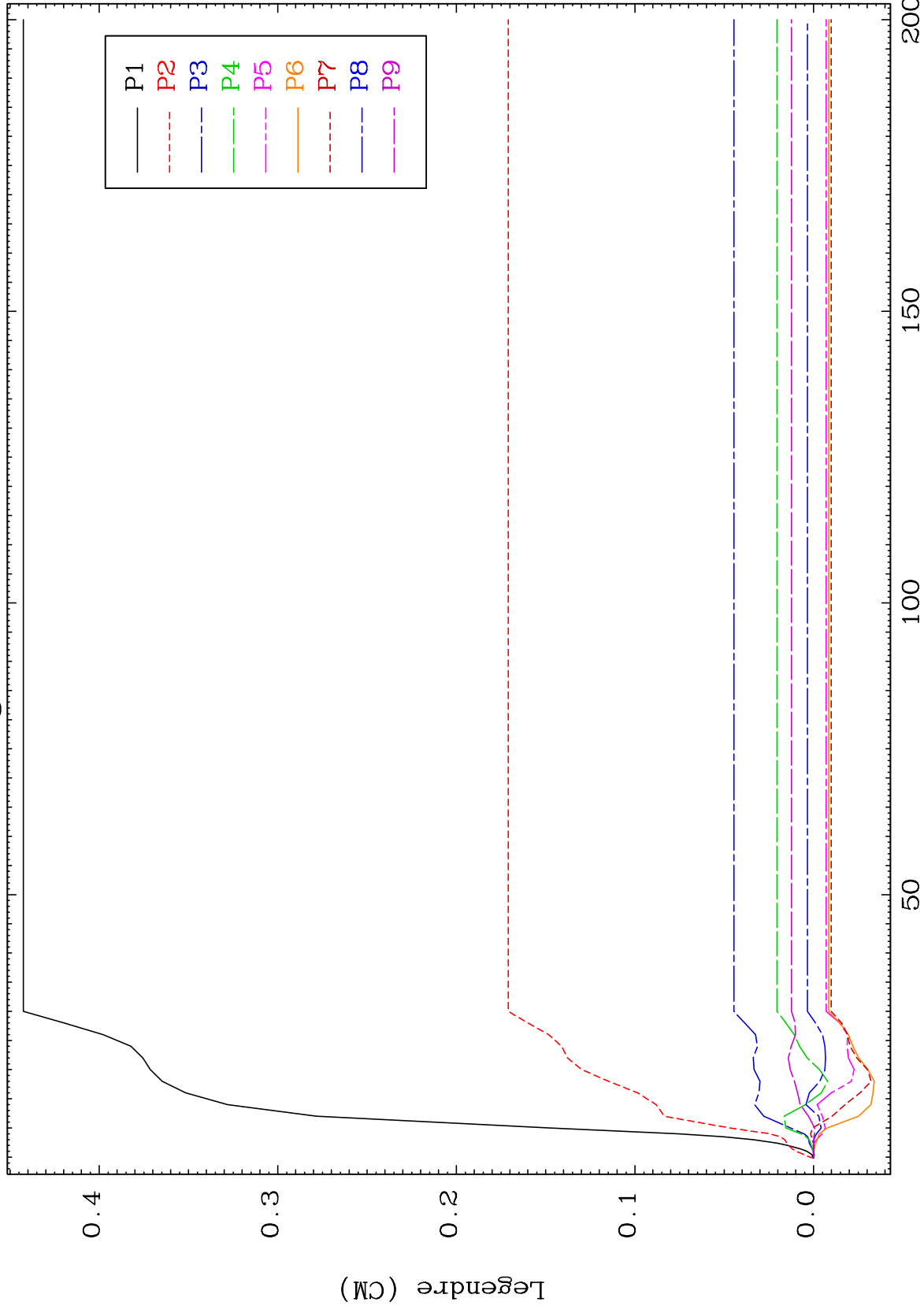
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



124

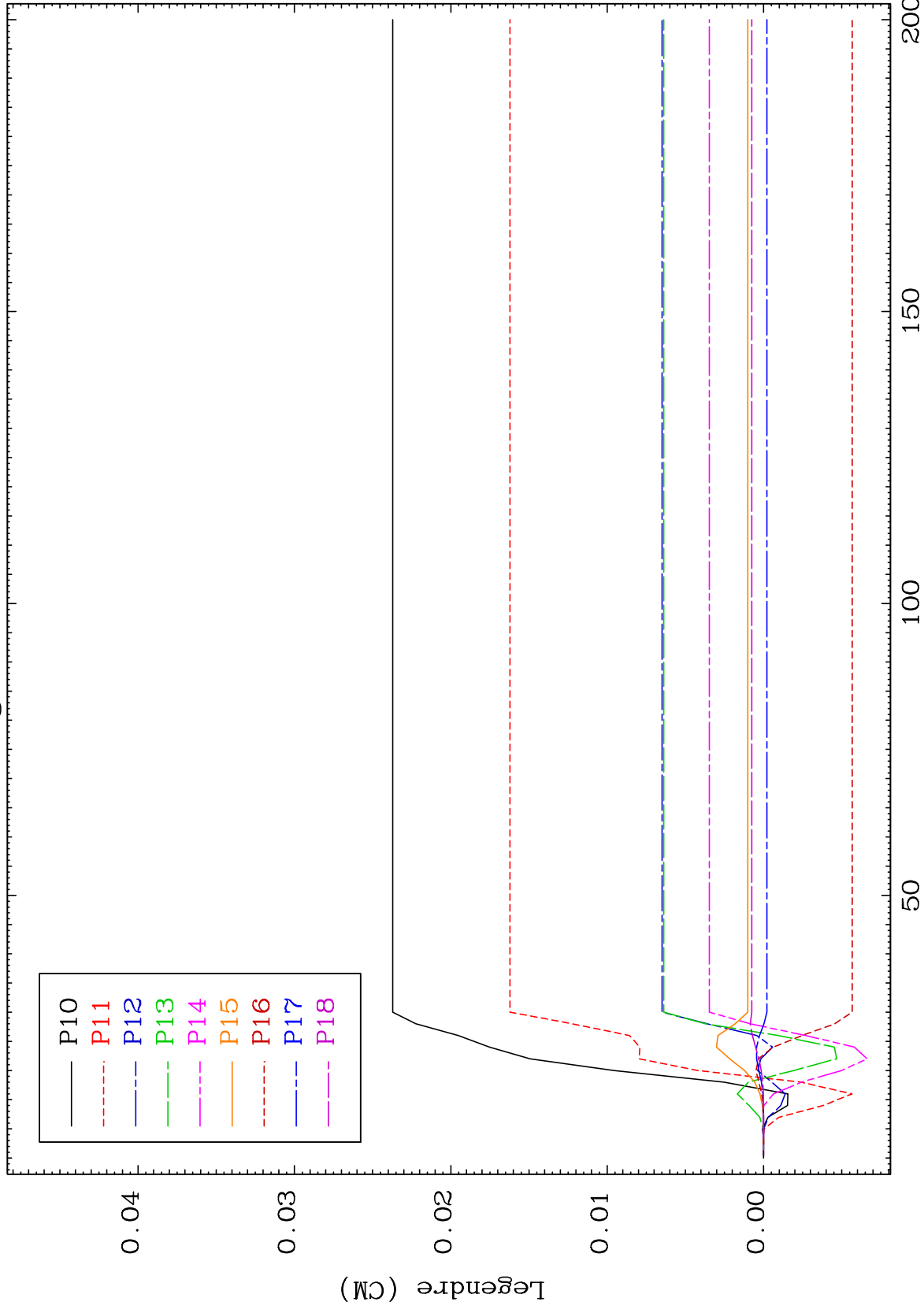
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



125

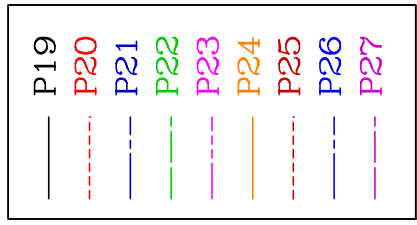
Incident Energy (MeV)

51-Sb-133

MAT 5161

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

51-Sb-133



$\times 10^{-3}$   
1.5  
1.0

Legendre (CM)

0.5

0.0

50

100

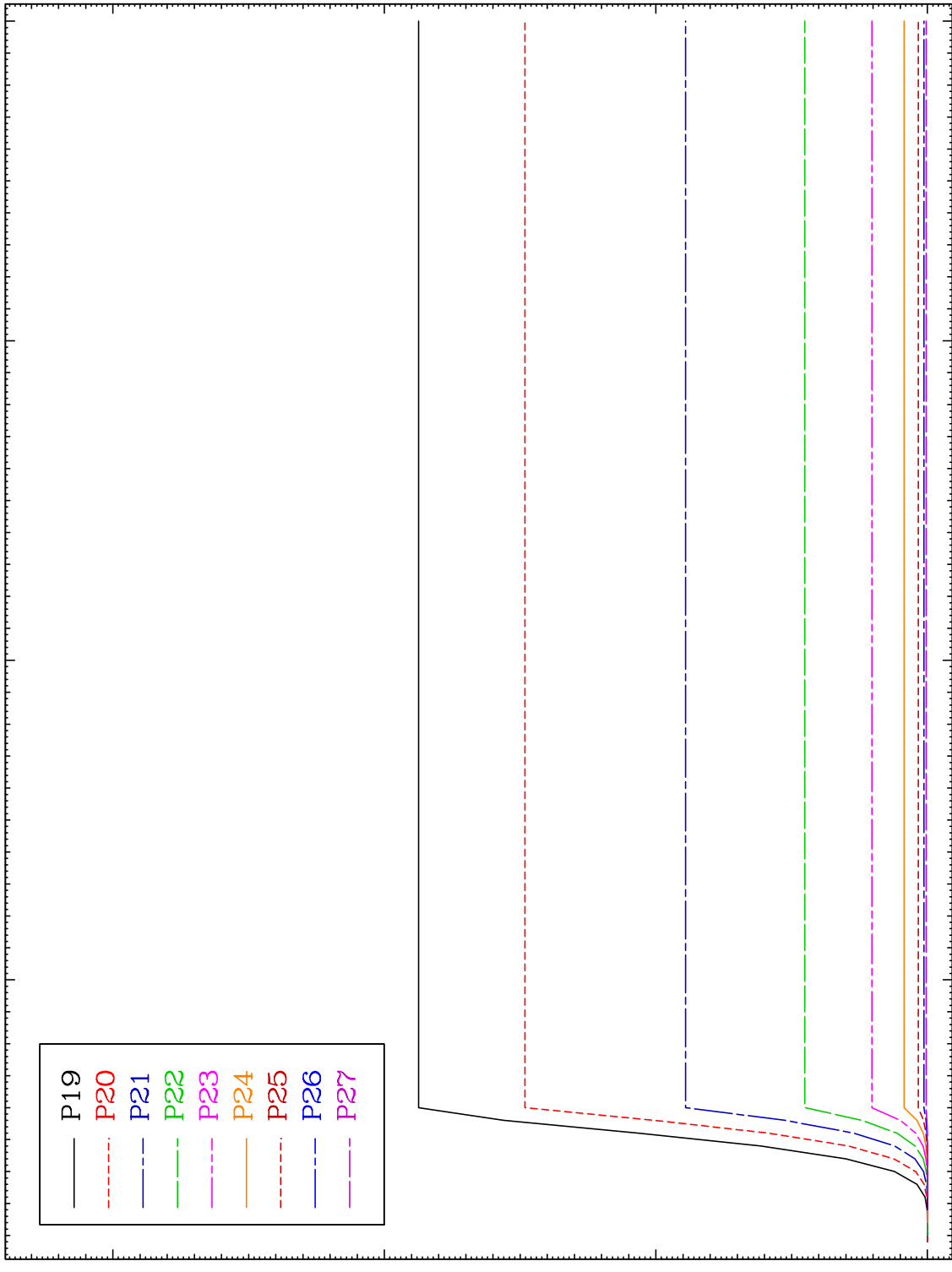
150

200

126

Incident Energy (MeV)

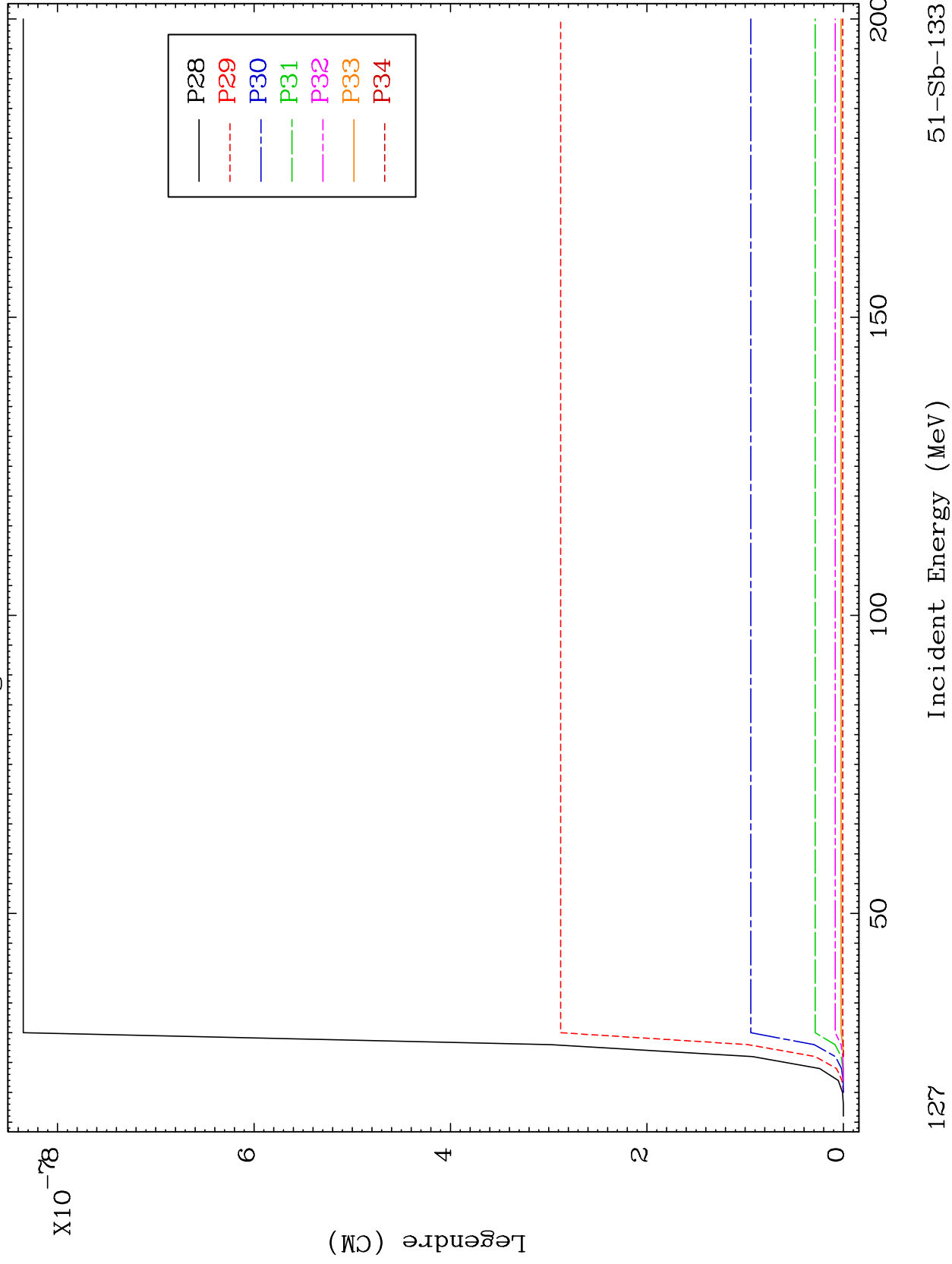
51-Sb-133



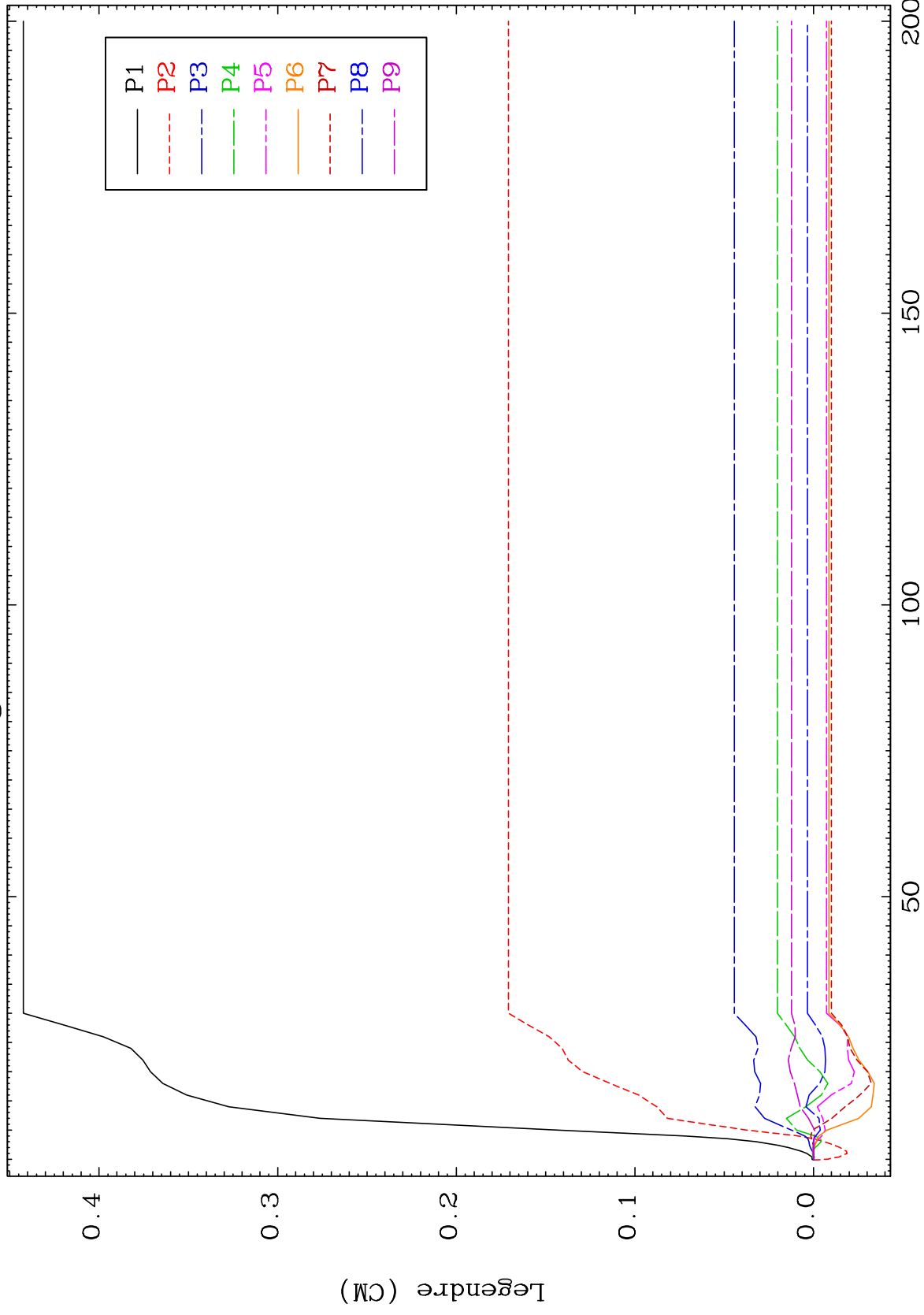
MAT 5161

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

51-Sb-133



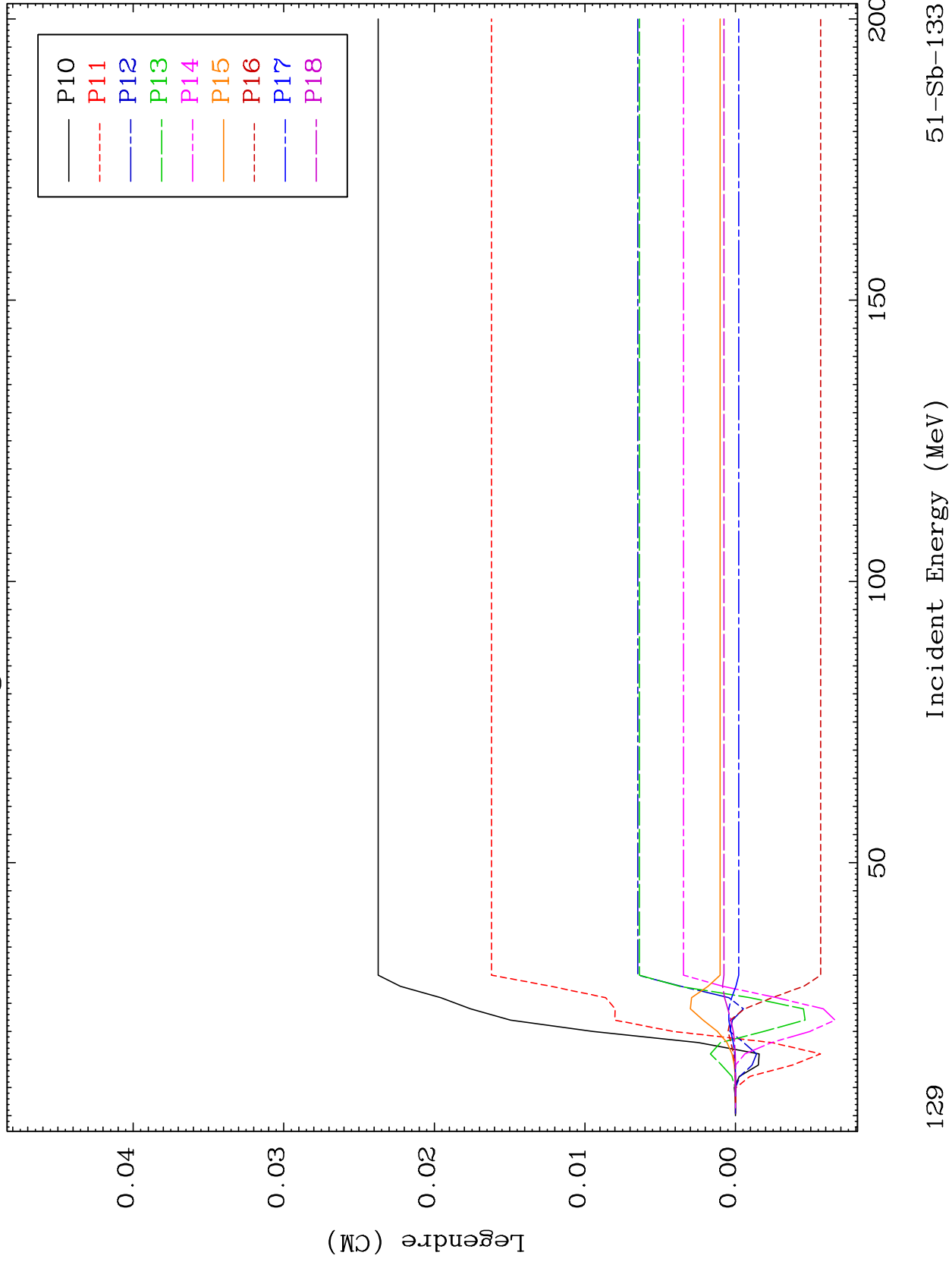




MAT 5161

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

51-Sb-133



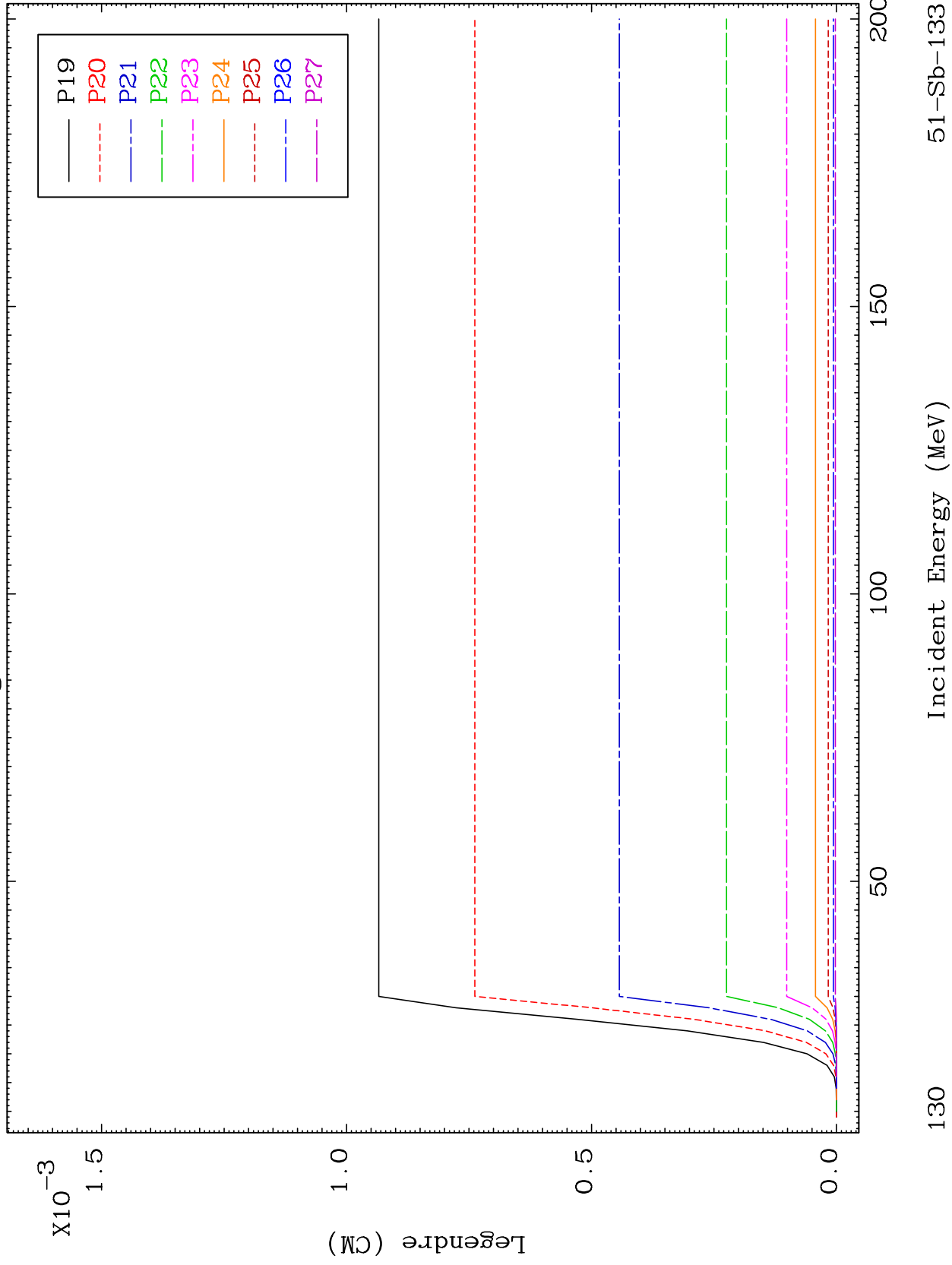
129

51-Sb-133

MAT 5161

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

51-Sb-133



51-Sb-133

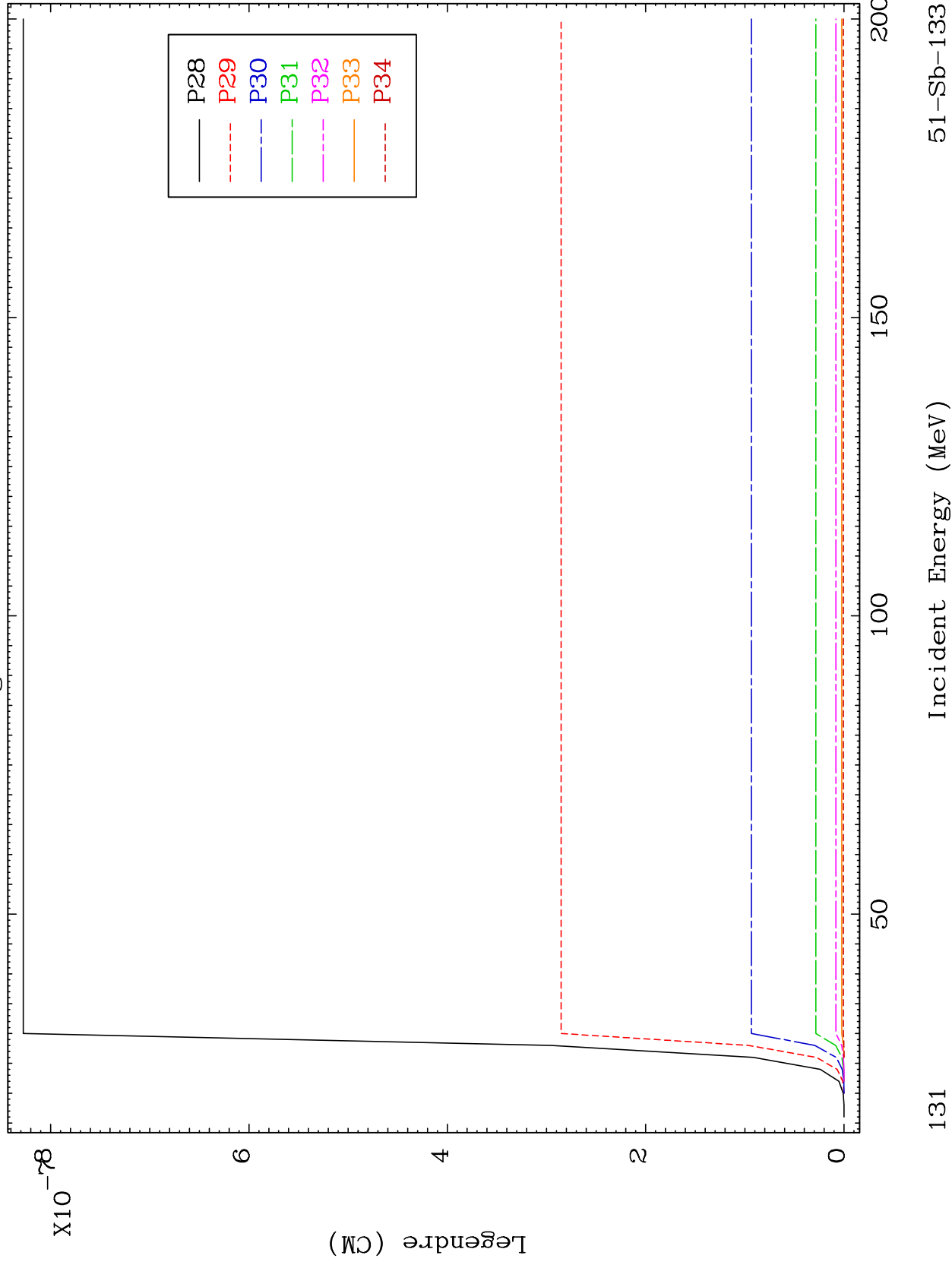
Incident Energy (MeV)

130

MAT 5161

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

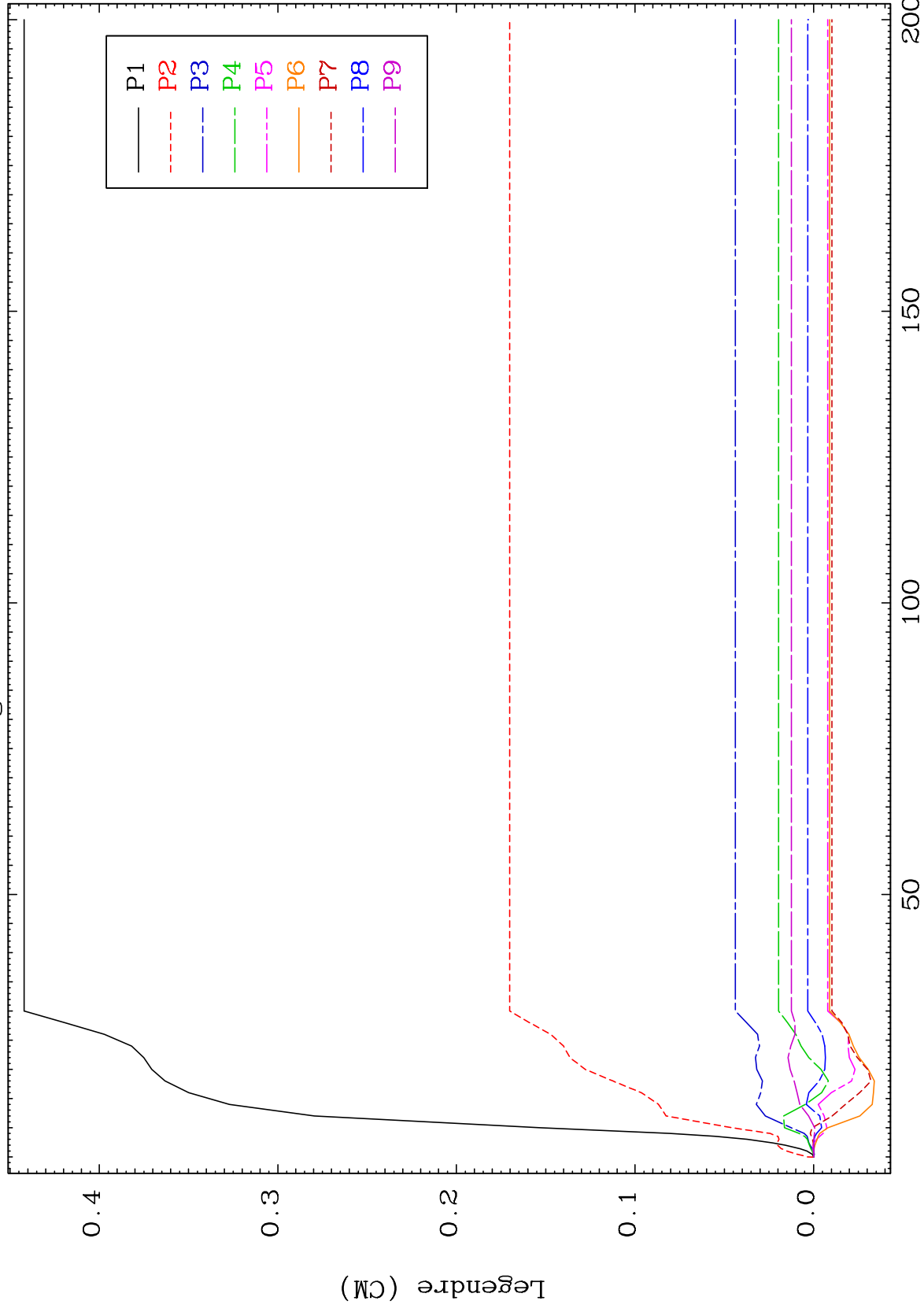
51-Sb-133



MAT 5161

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

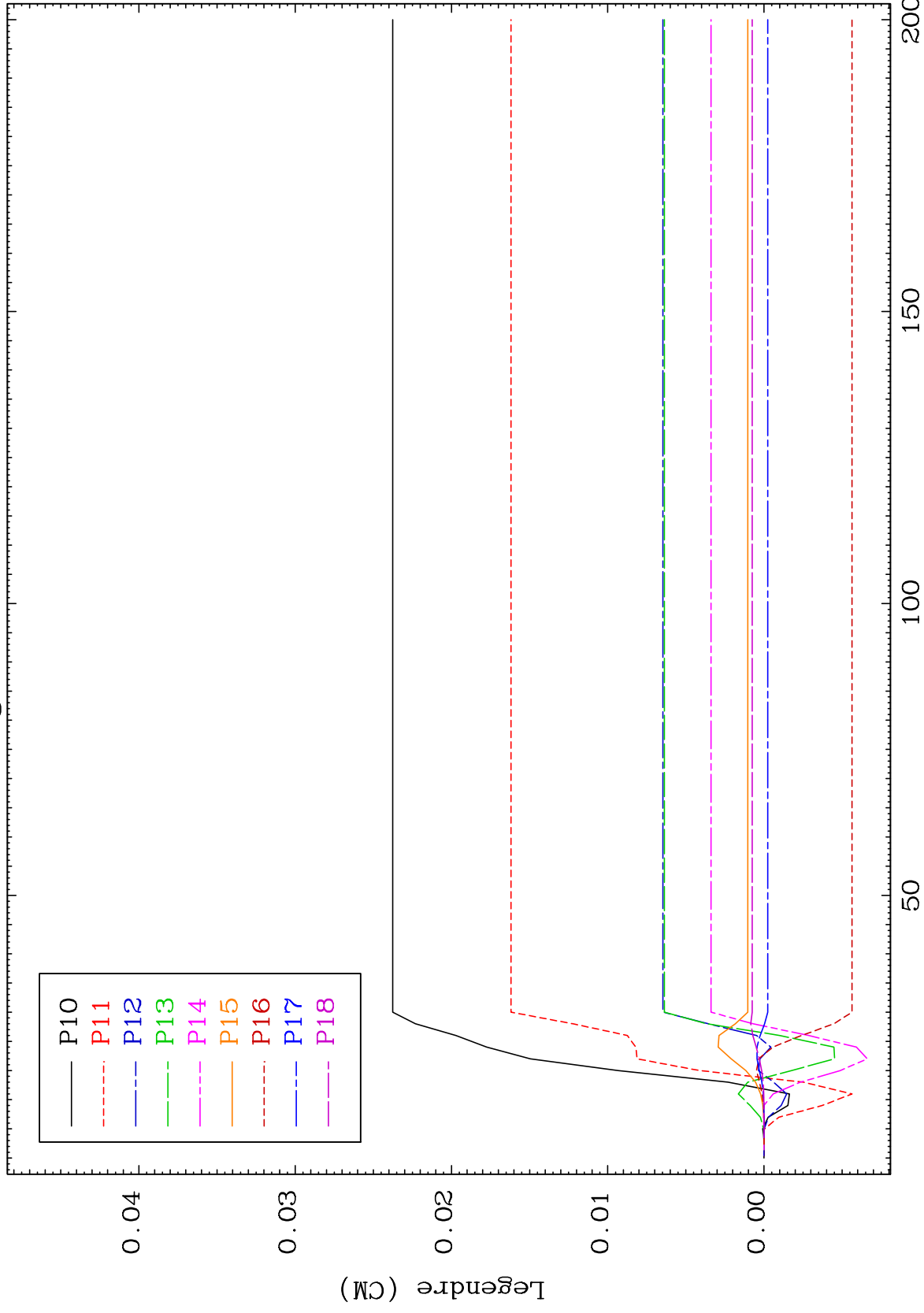
51-Sb-133



132

Incident Energy (MeV)

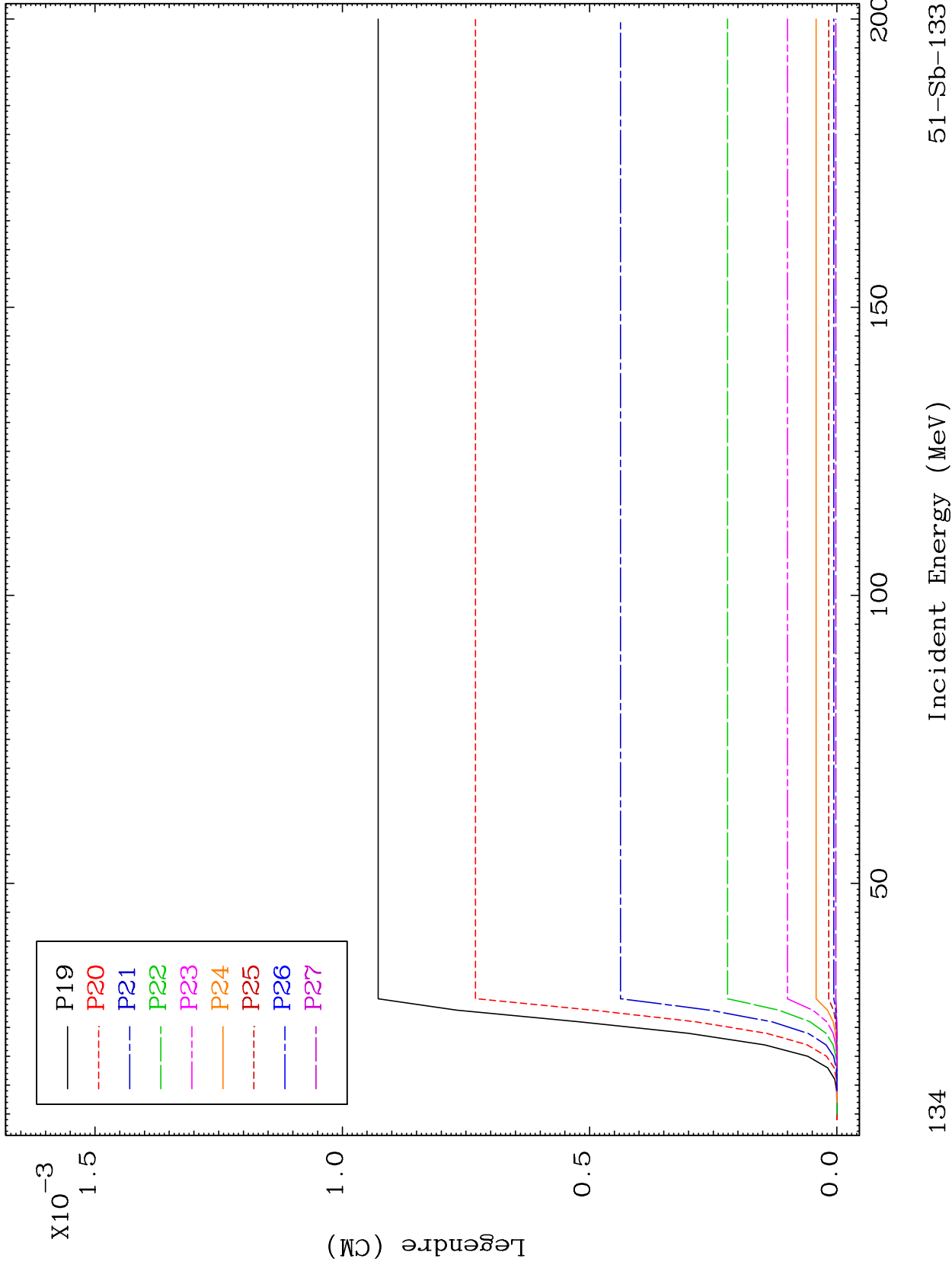
51-Sb-133



MAT 5161

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

51-Sb-133



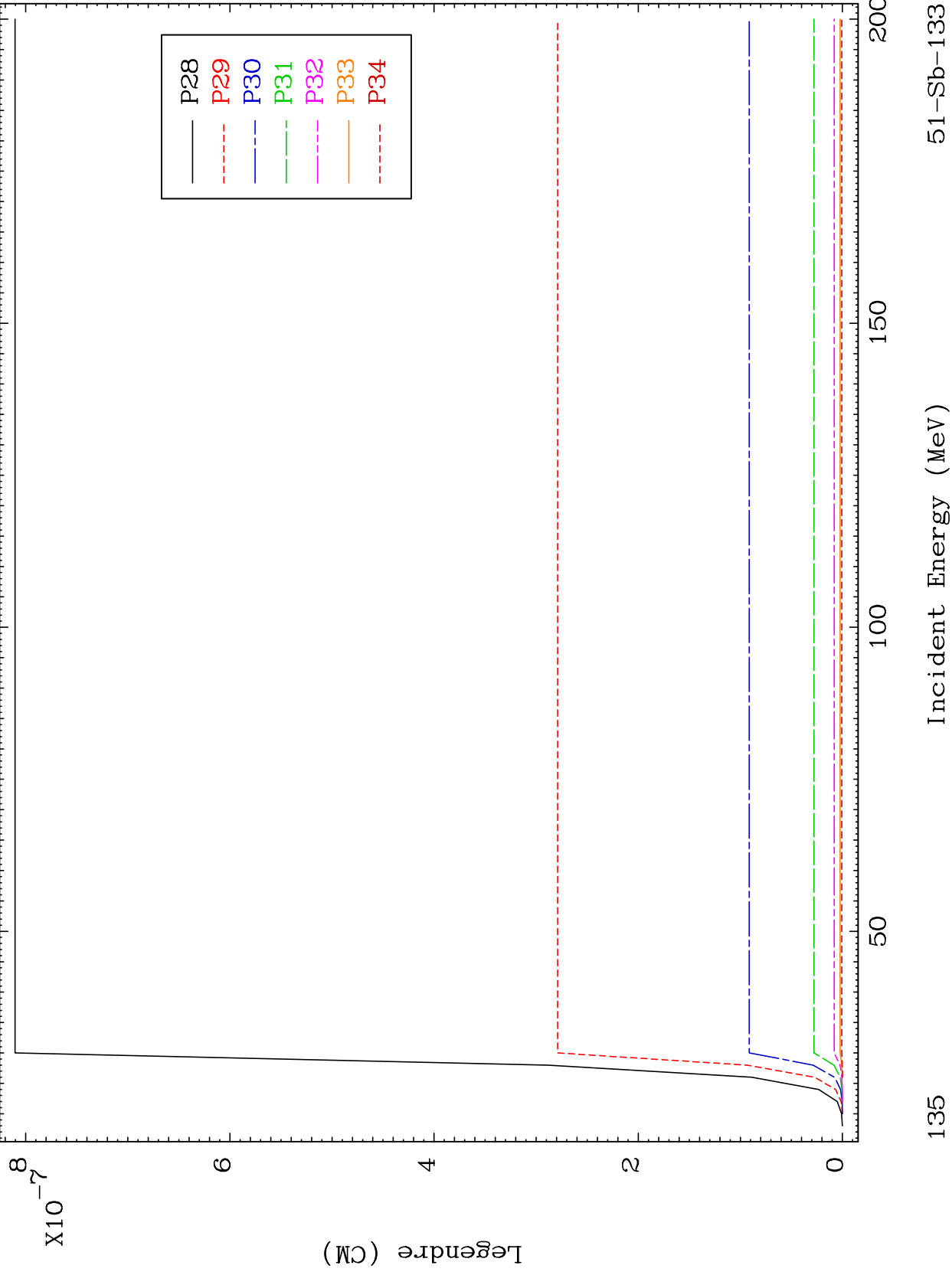
134

51-Sb-133

MAT 5161

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

51-Sb-133



51-Sb-133

Incident Energy (MeV)

135

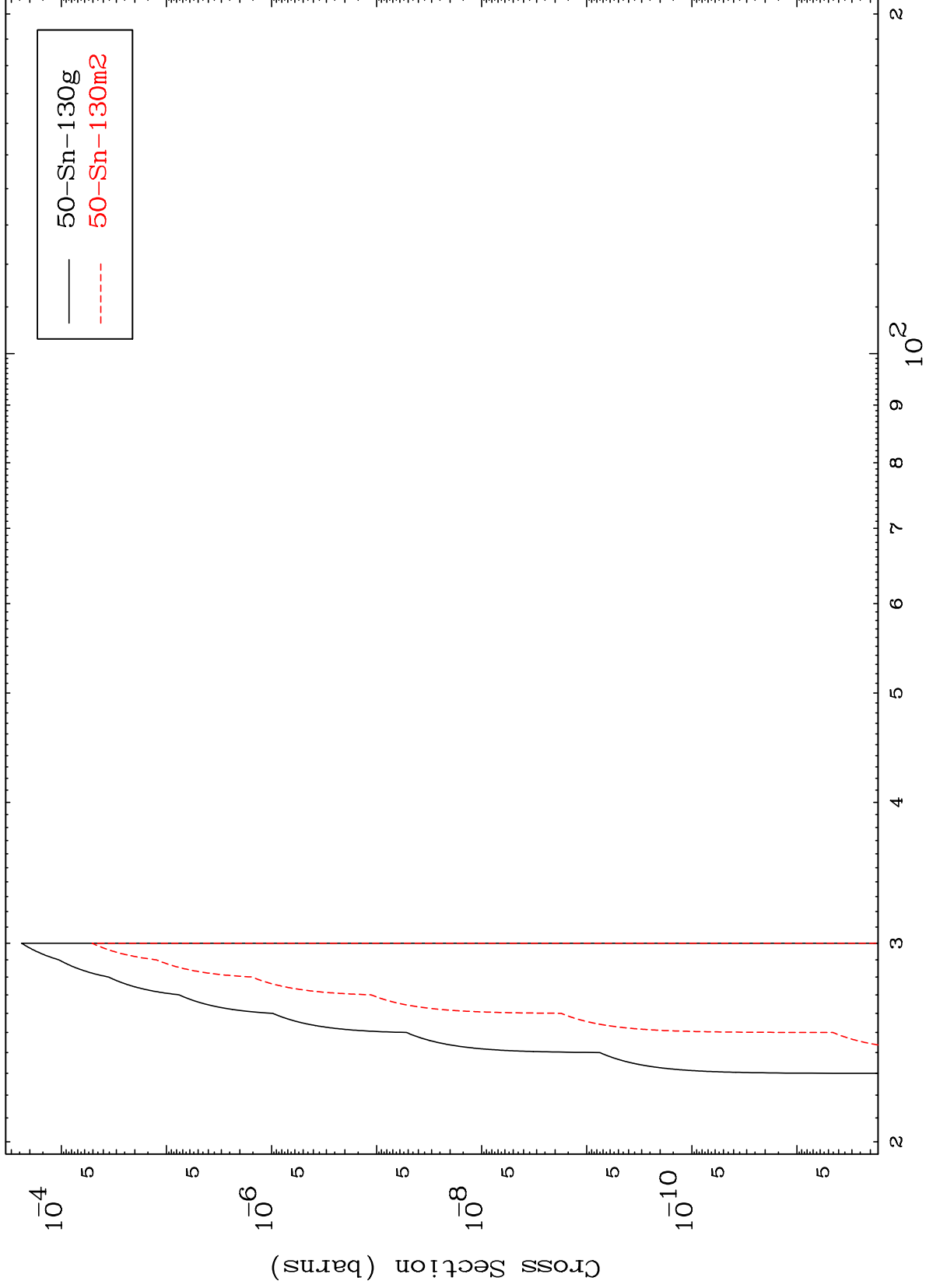


MAT 5161

(n,2n) d

51-Sb-133

Radionuclide Production Cross Section



136

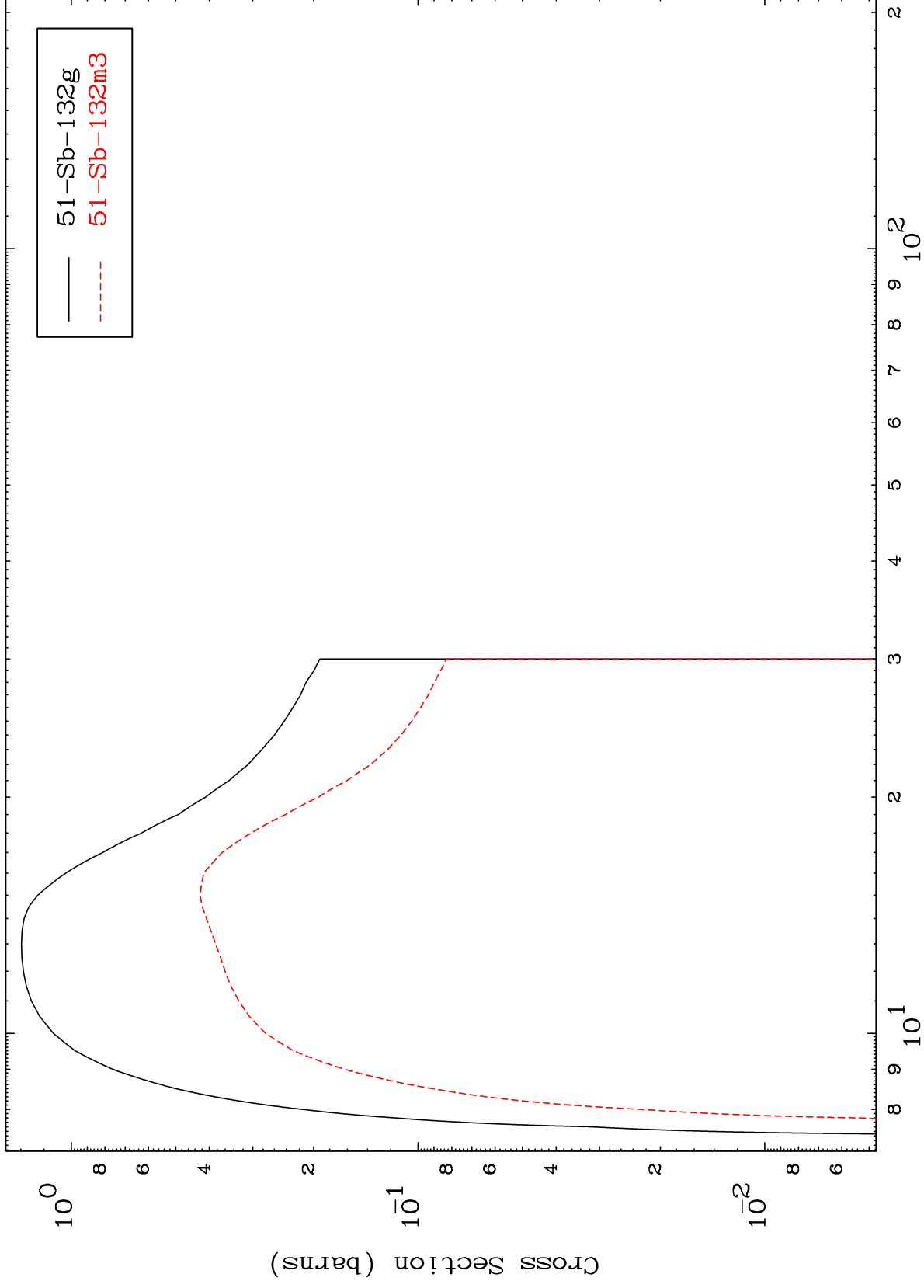
Incident Energy (MeV)

51-Sb-133

MAT 5161

51-Sb-133

(n,2n)  
Radionuclide Production Cross Section



137

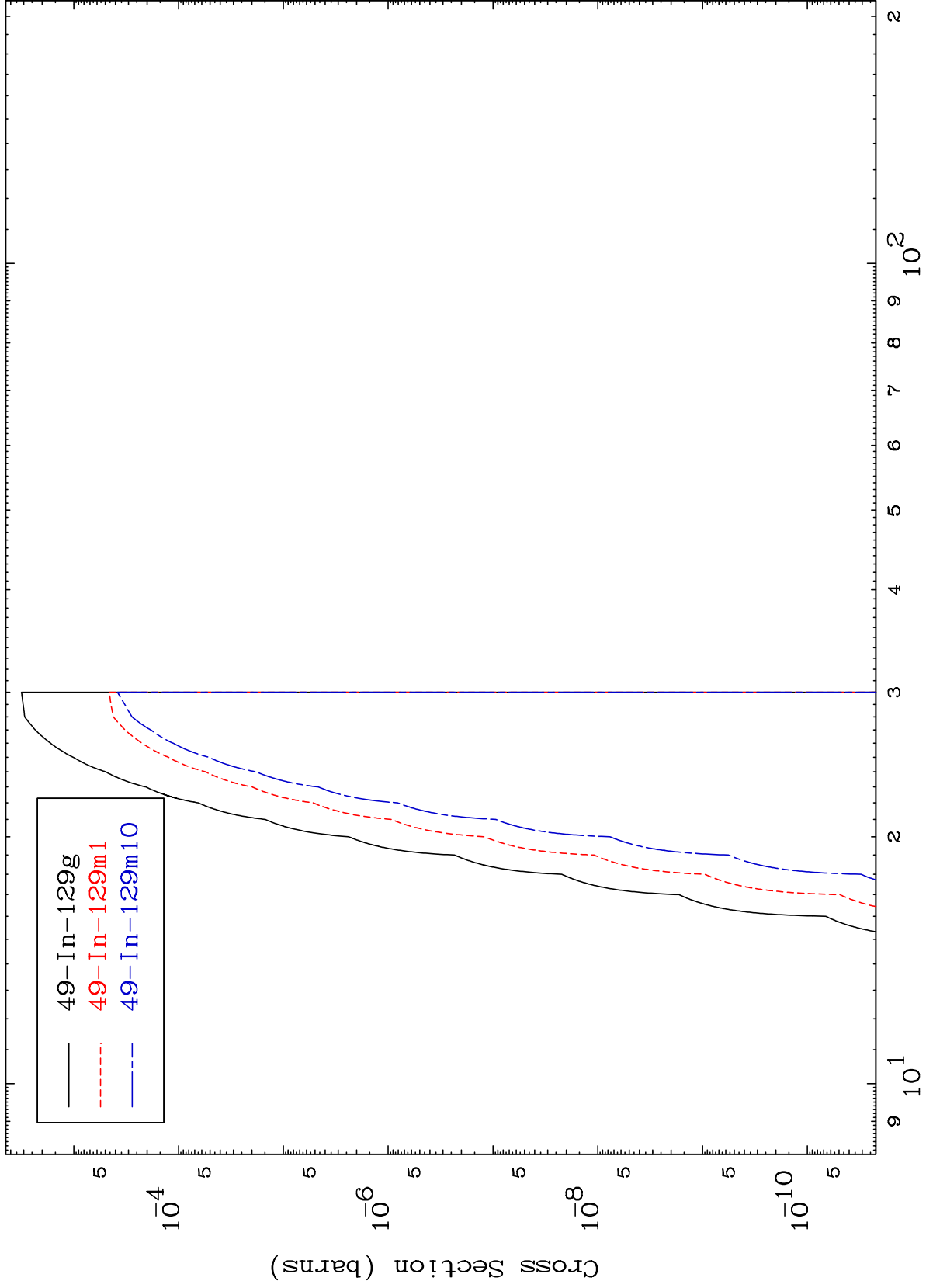
Incident Energy (MeV)

51-Sb-133

MAT 5161

51-Sb-133

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

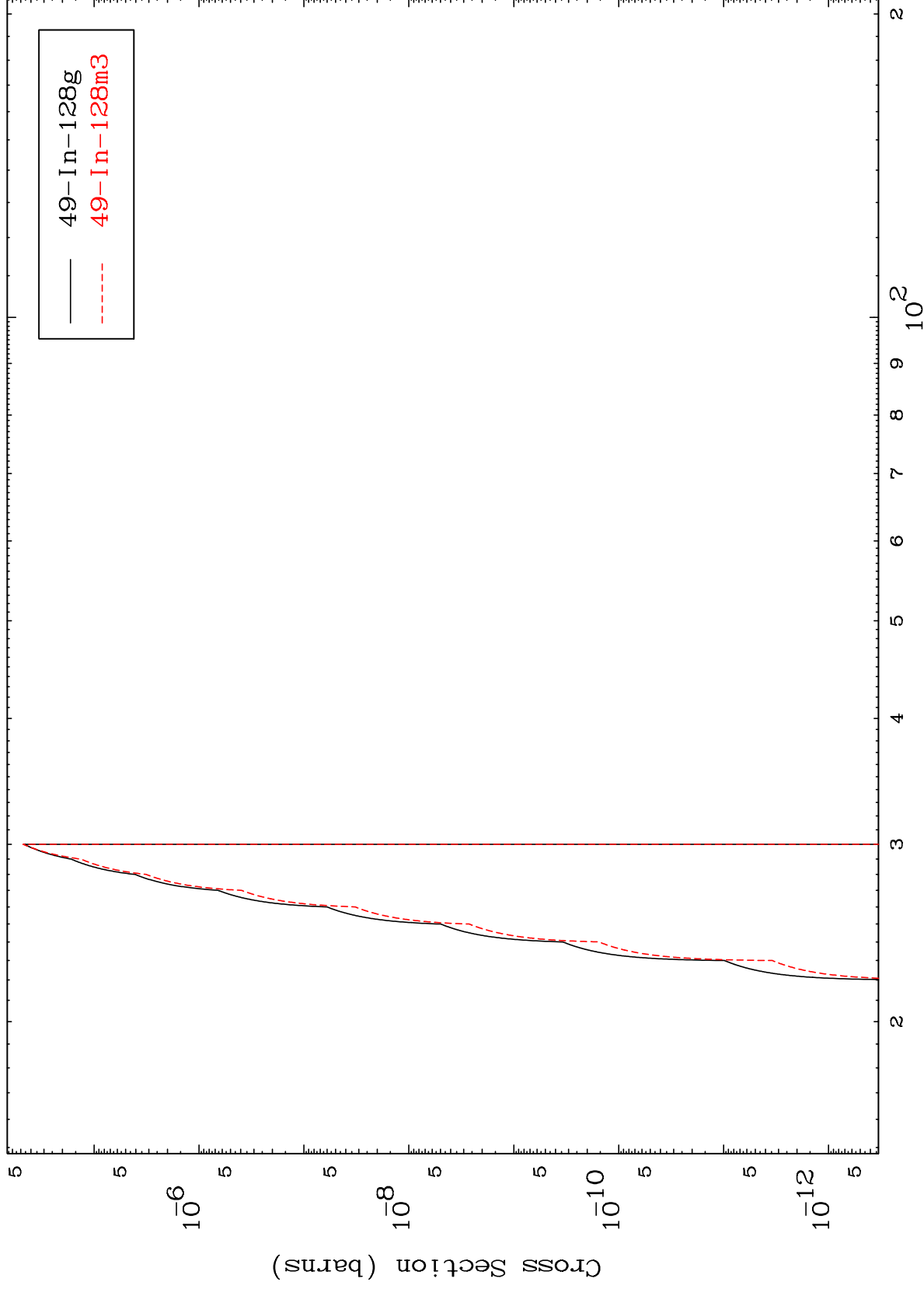


138

Incident Energy (MeV)

51-Sb-133

Radionuclide Production Cross Section

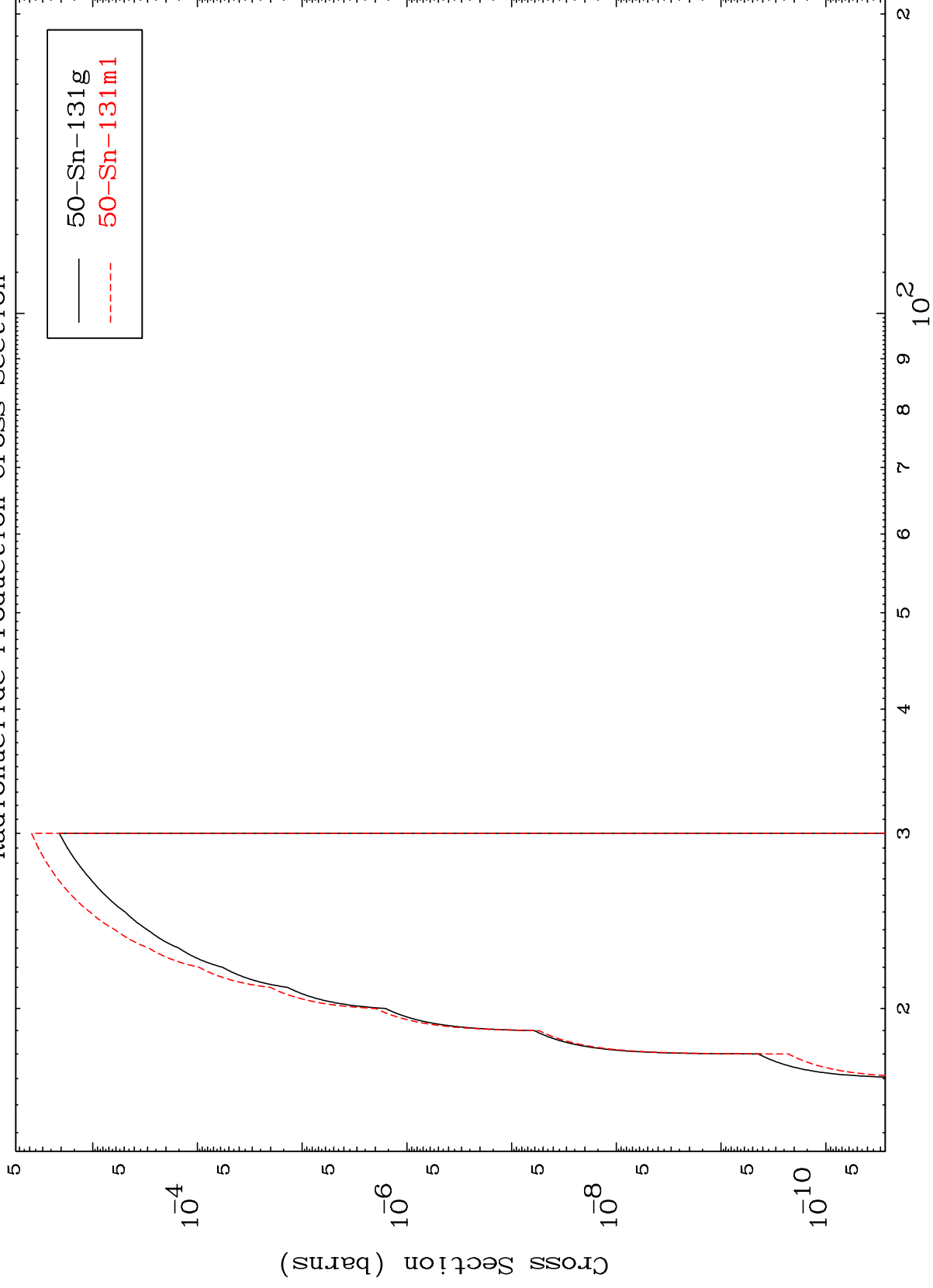


MAT 5161

(n,n') d

51-Sb-133

Radionuclide Production Cross Section



140

Incident Energy (MeV)

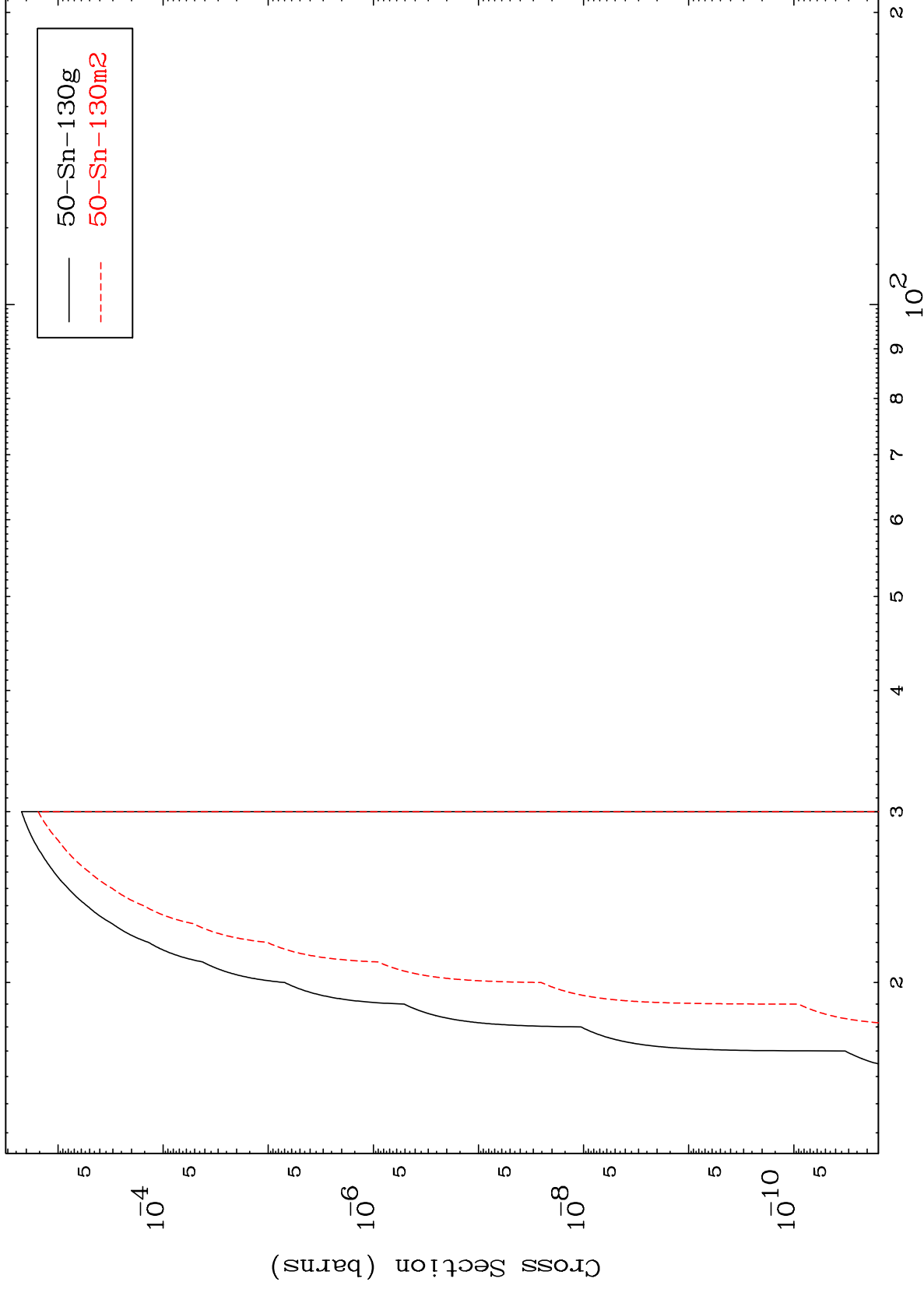
51-Sb-133

MAT 5161

(n,n') t

51-Sb-133

Radionuclide Production Cross Section



141

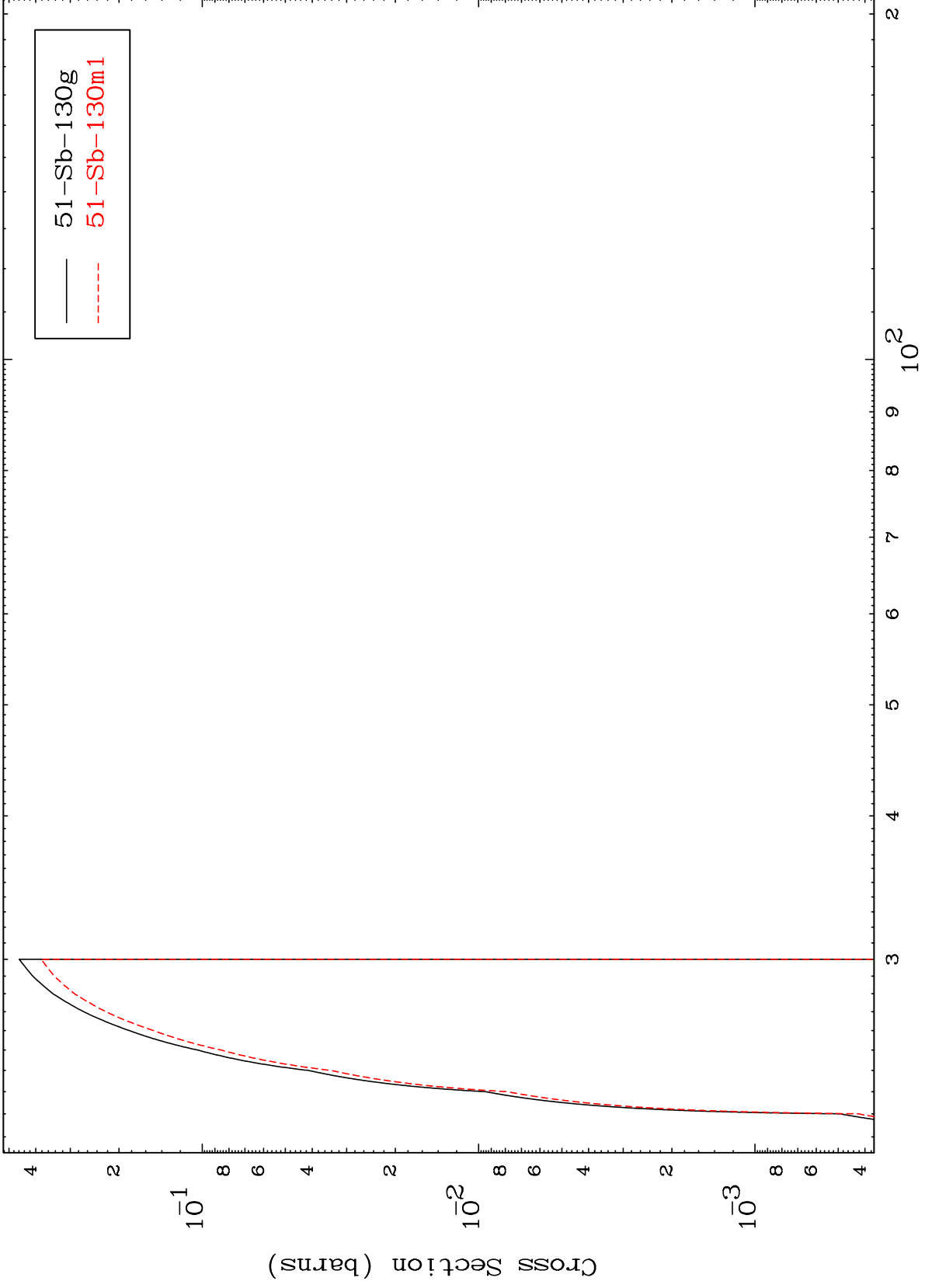
Incident Energy (MeV)

51-Sb-133

MAT 5161

51-Sb-133

(n,4n)  
Radionuclide Production Cross Section

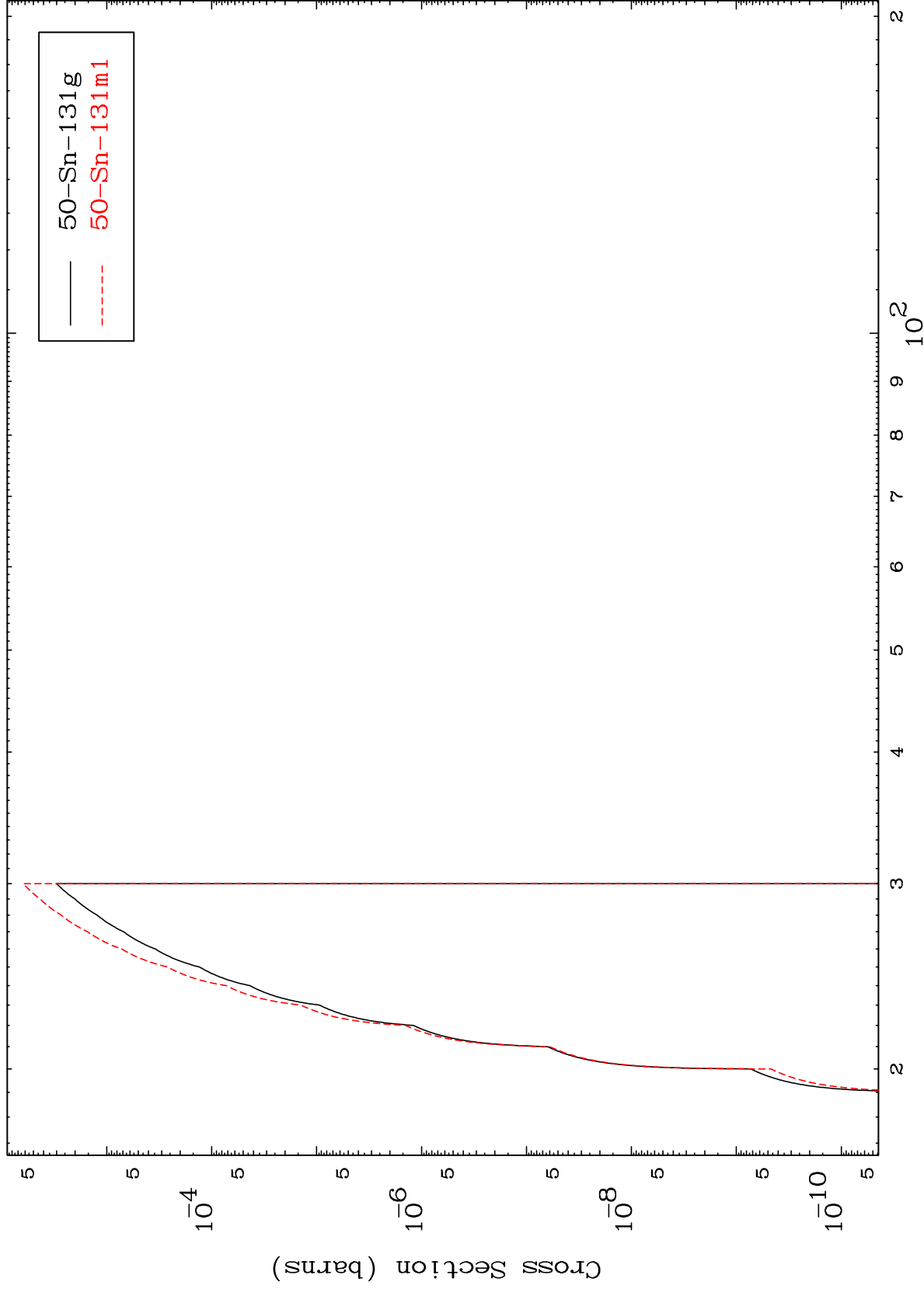


142

51-Sb-133

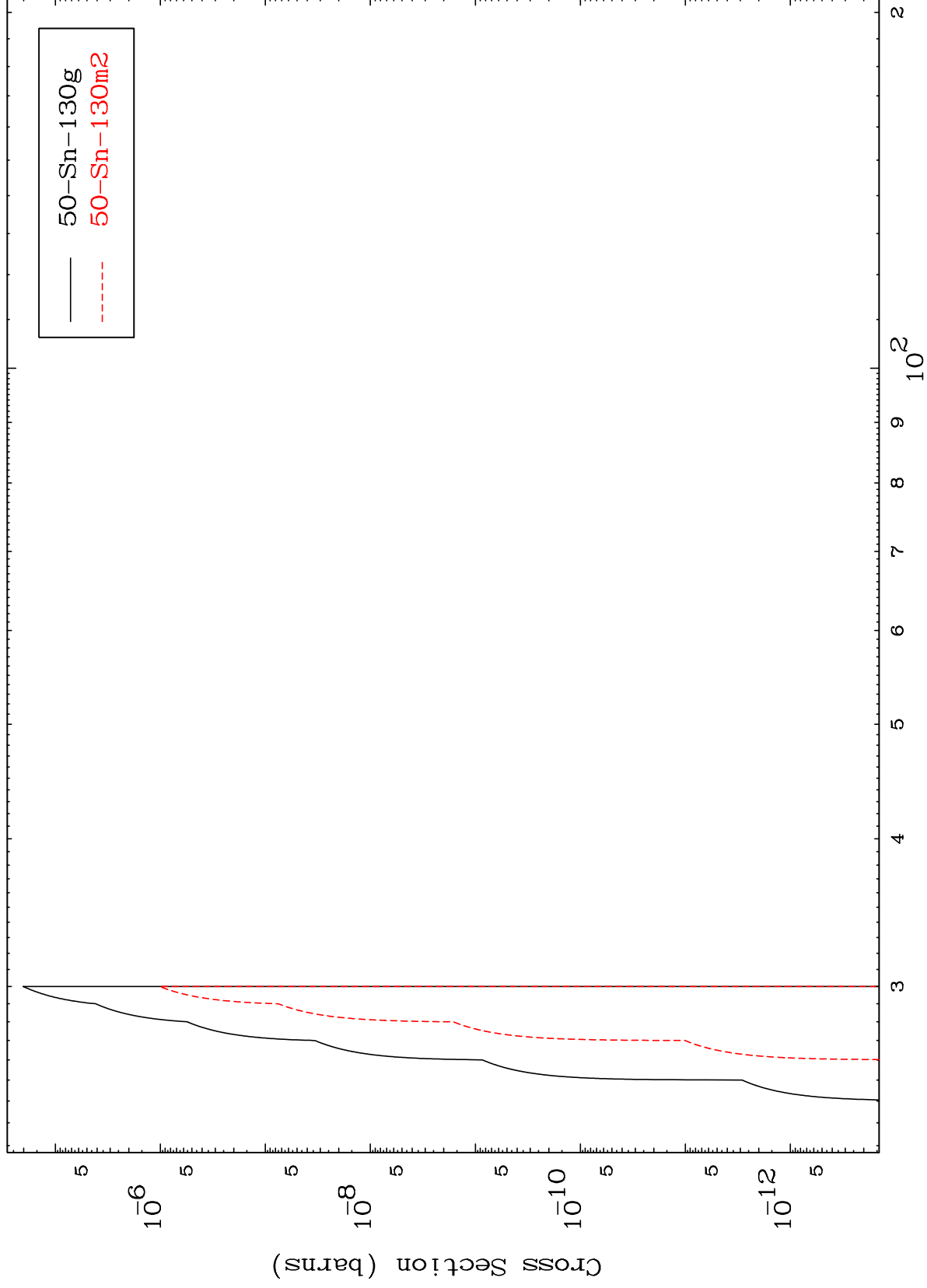
Incident Energy (MeV)

Radionuclide Production Cross Section





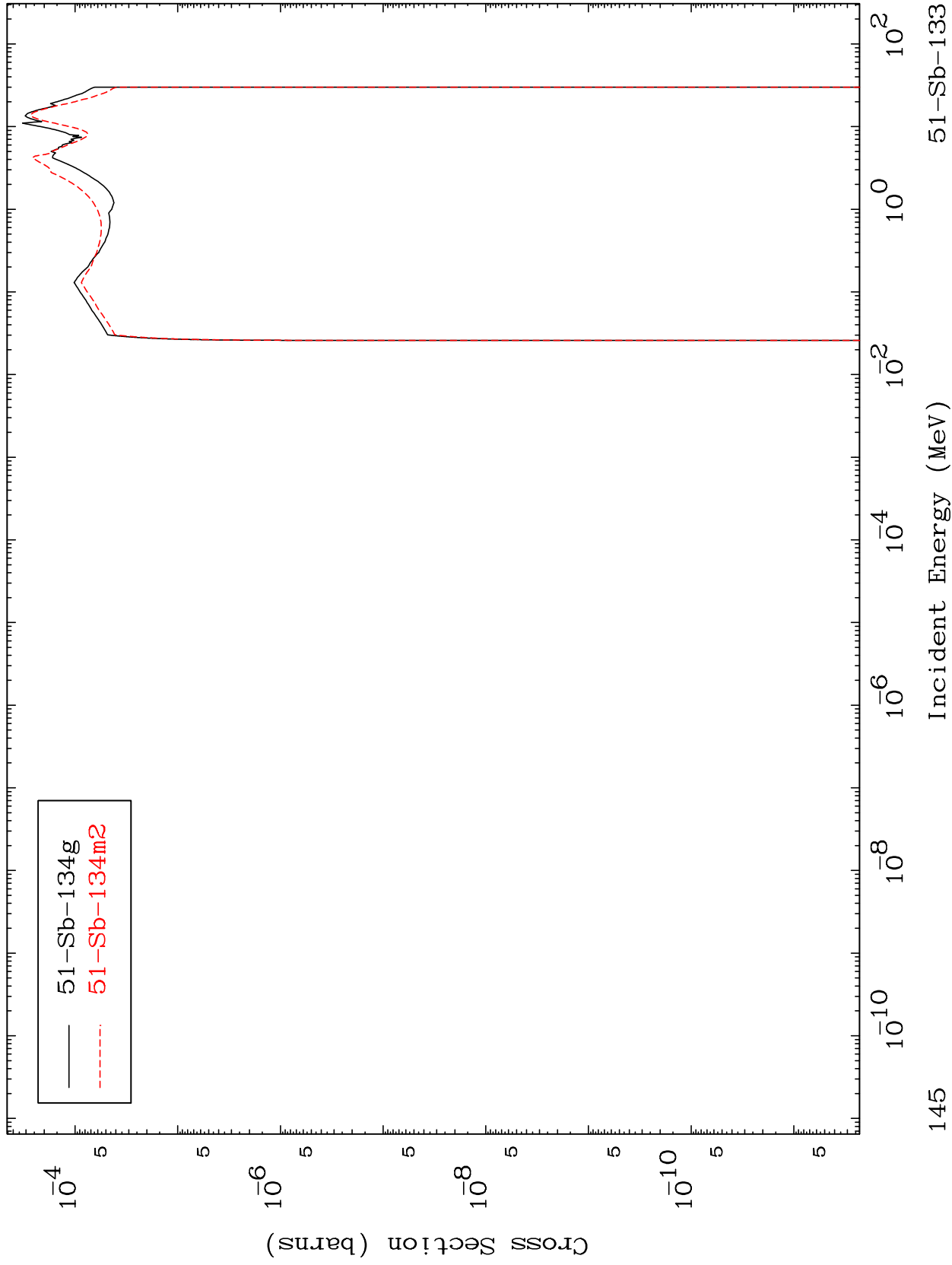
Radionuclide Production Cross Section



MAT 5161

51-Sb-133

(n,γ)  
Radionuclide Production Cross Section

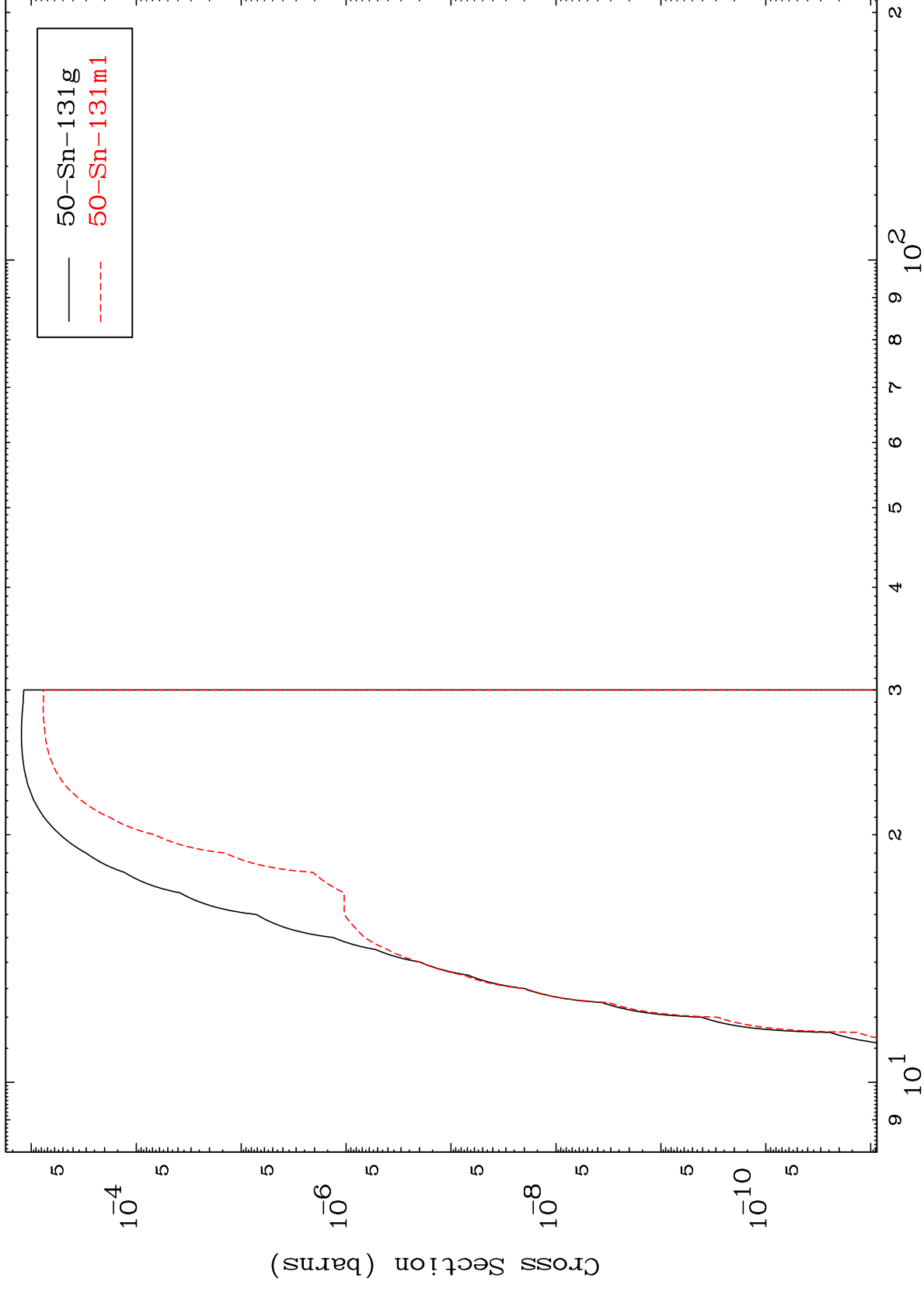


145

MAT 5161

51-Sb-133

(n,t)  
Radionuclide Production Cross Section

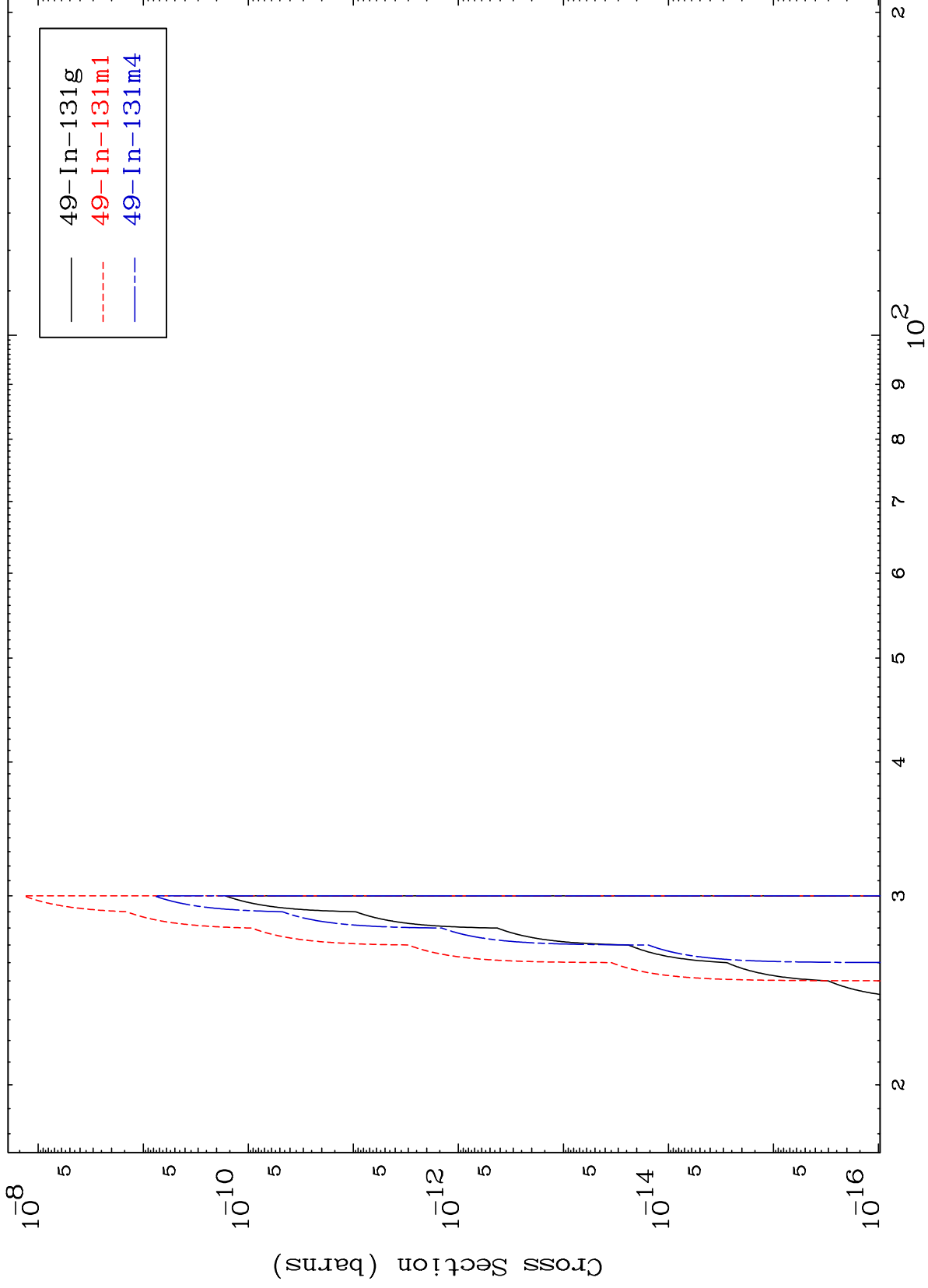


51-Sb-133

Incident Energy (MeV)

146

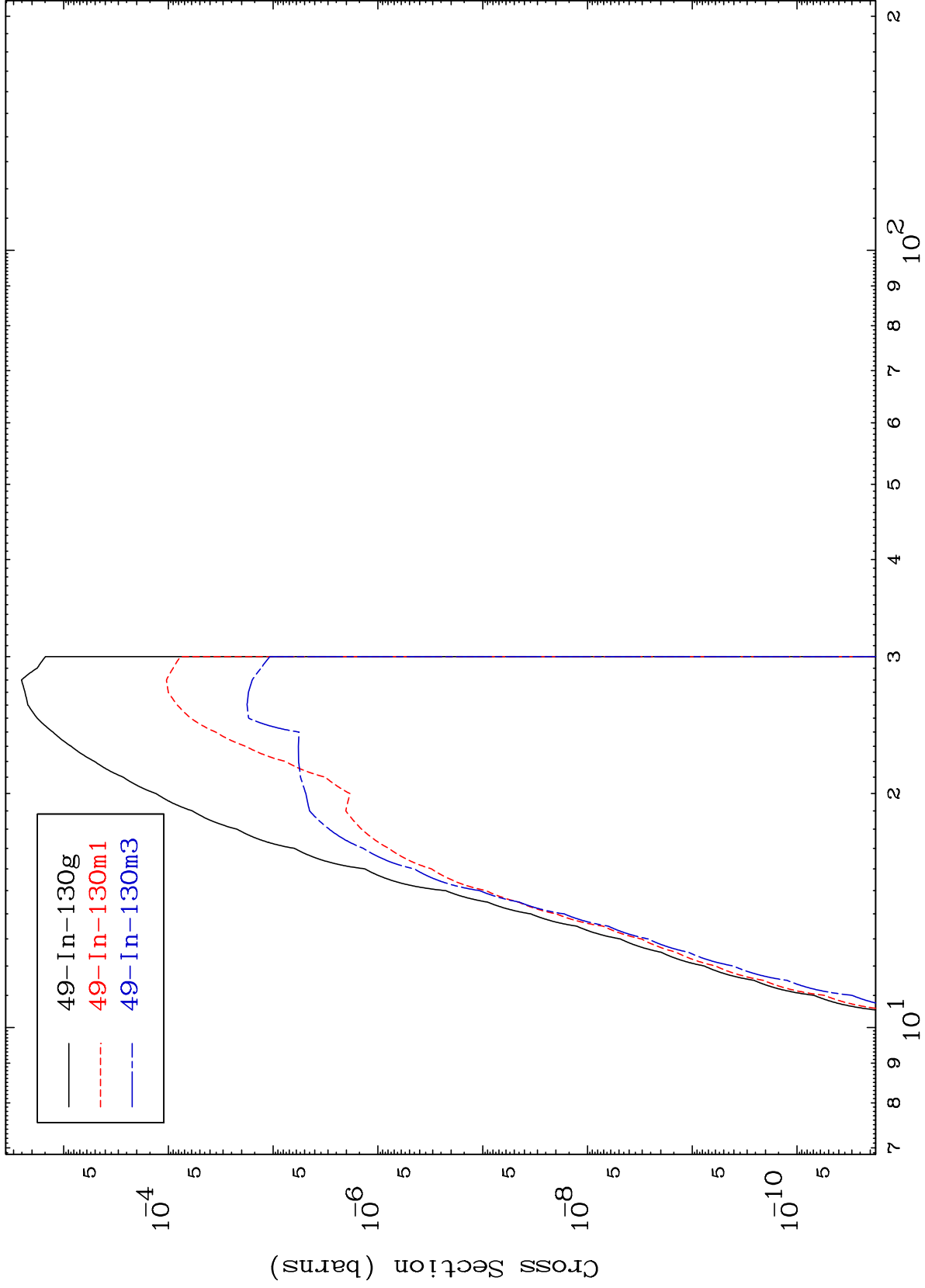
Radionuclide Production Cross Section



MAT 5161

51-Sb-133

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



51-Sb-133

Incident Energy (MeV)

148