

Program EVALPLOT
(Version 2018-1)

by

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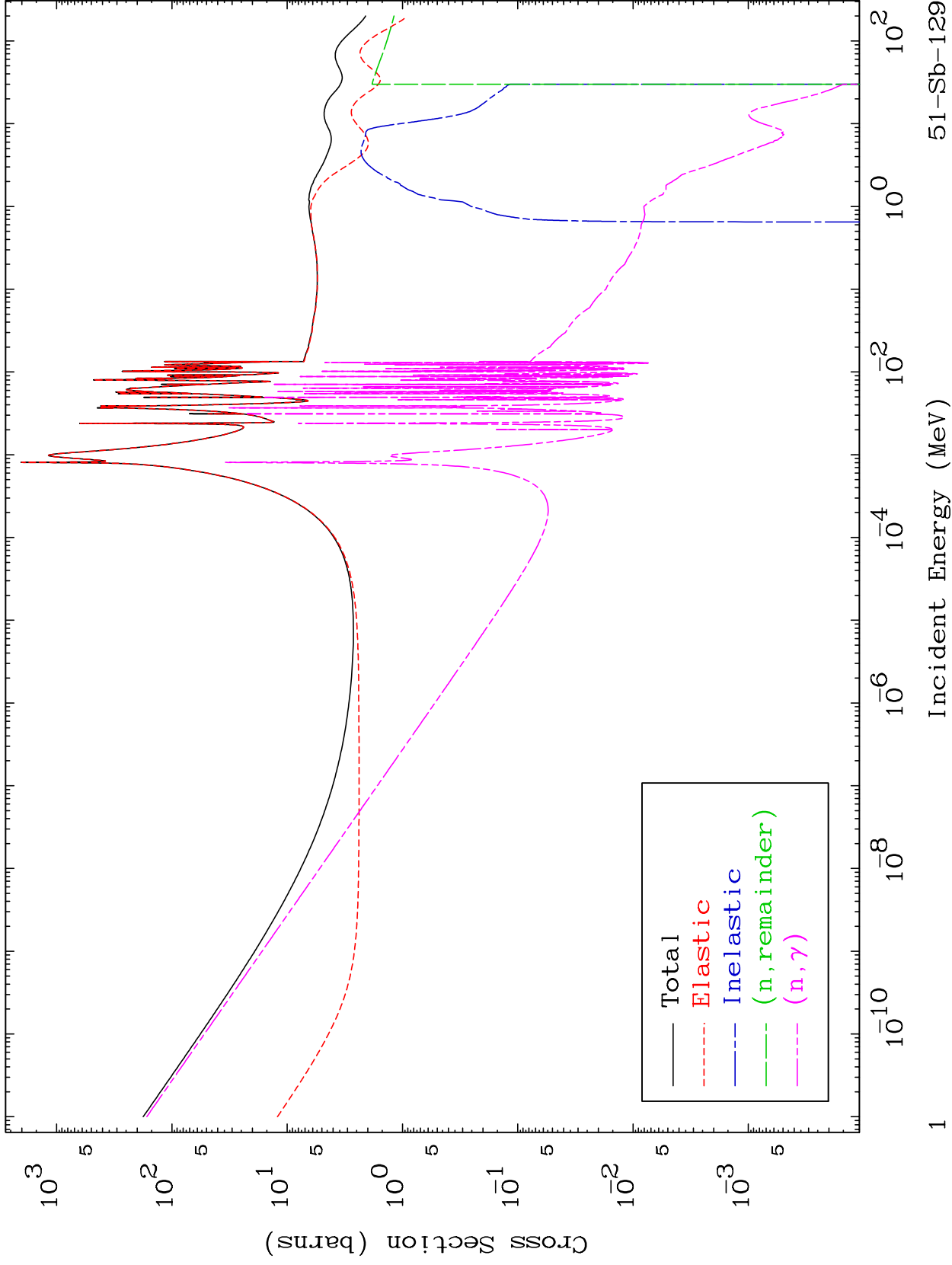
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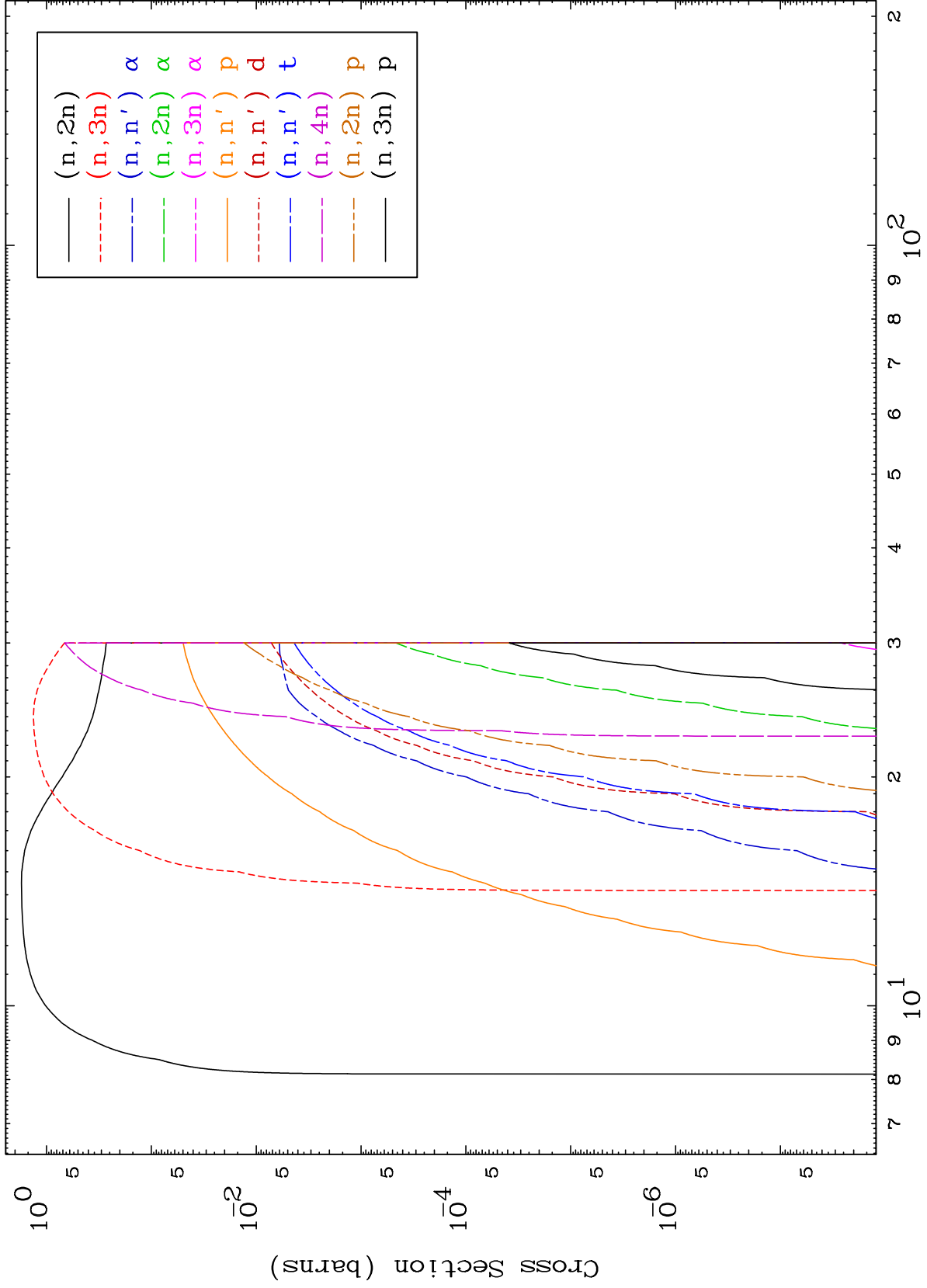
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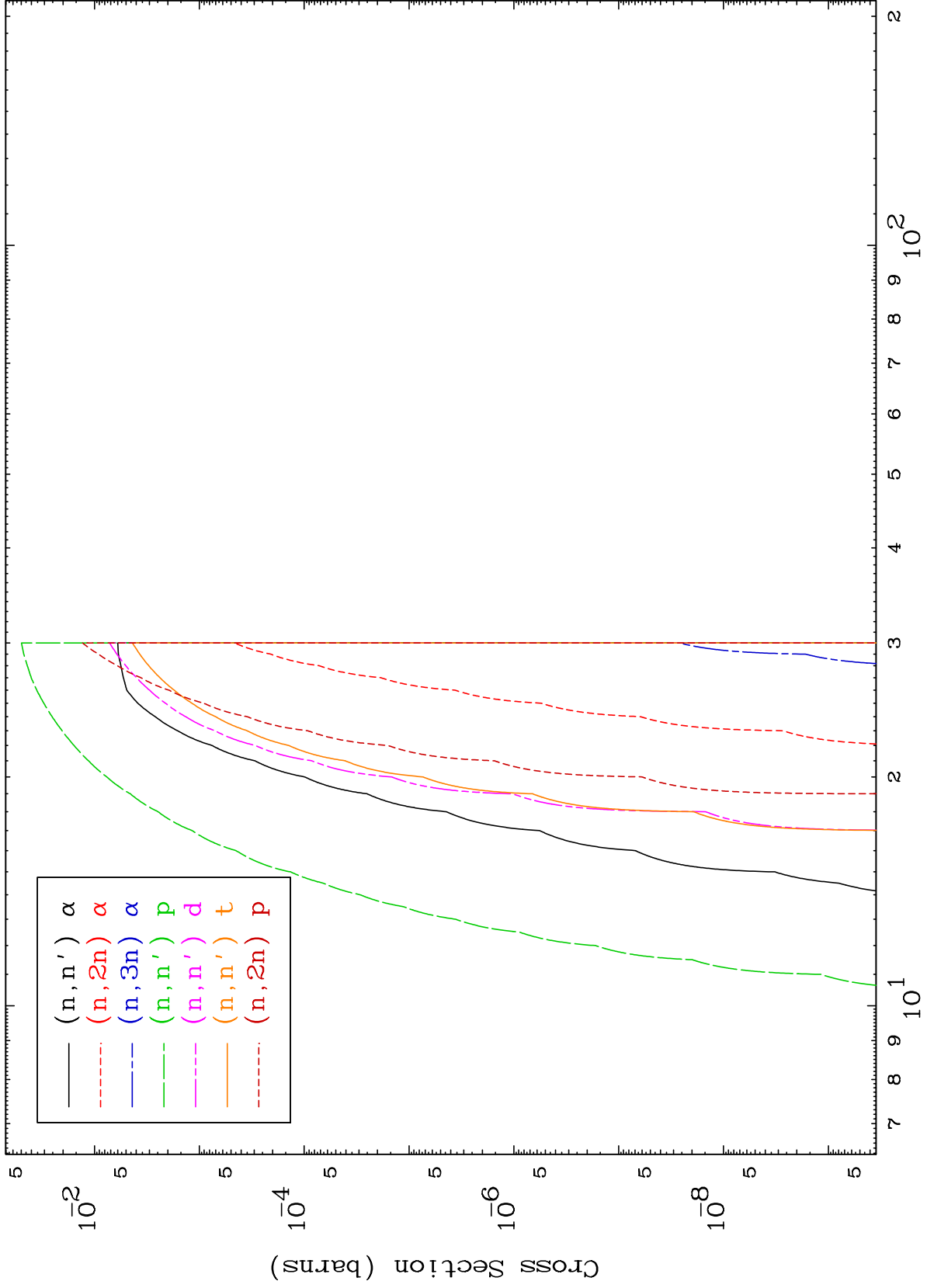
MAT 5149

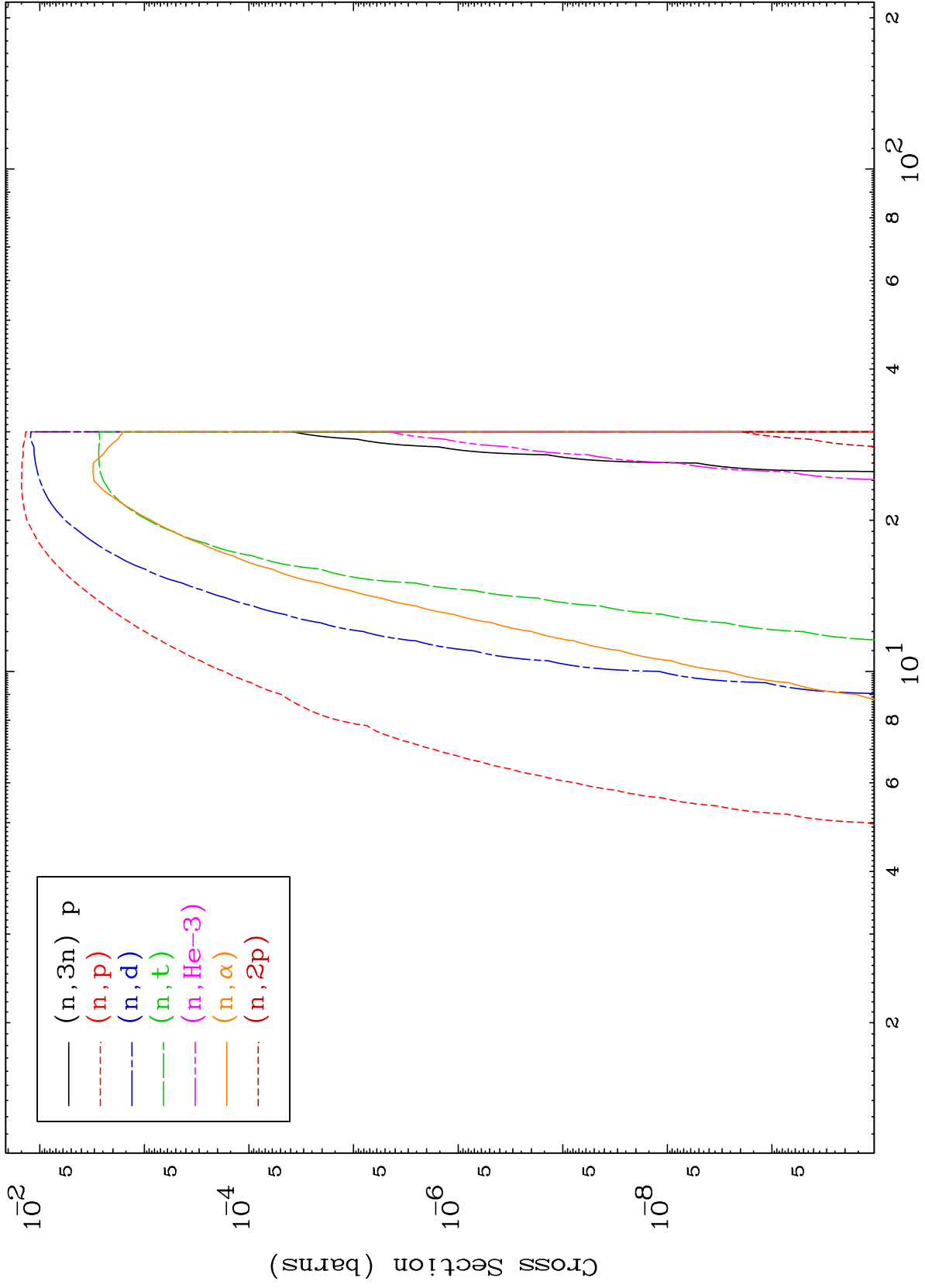
Major
293 Kelvin Cross Sections

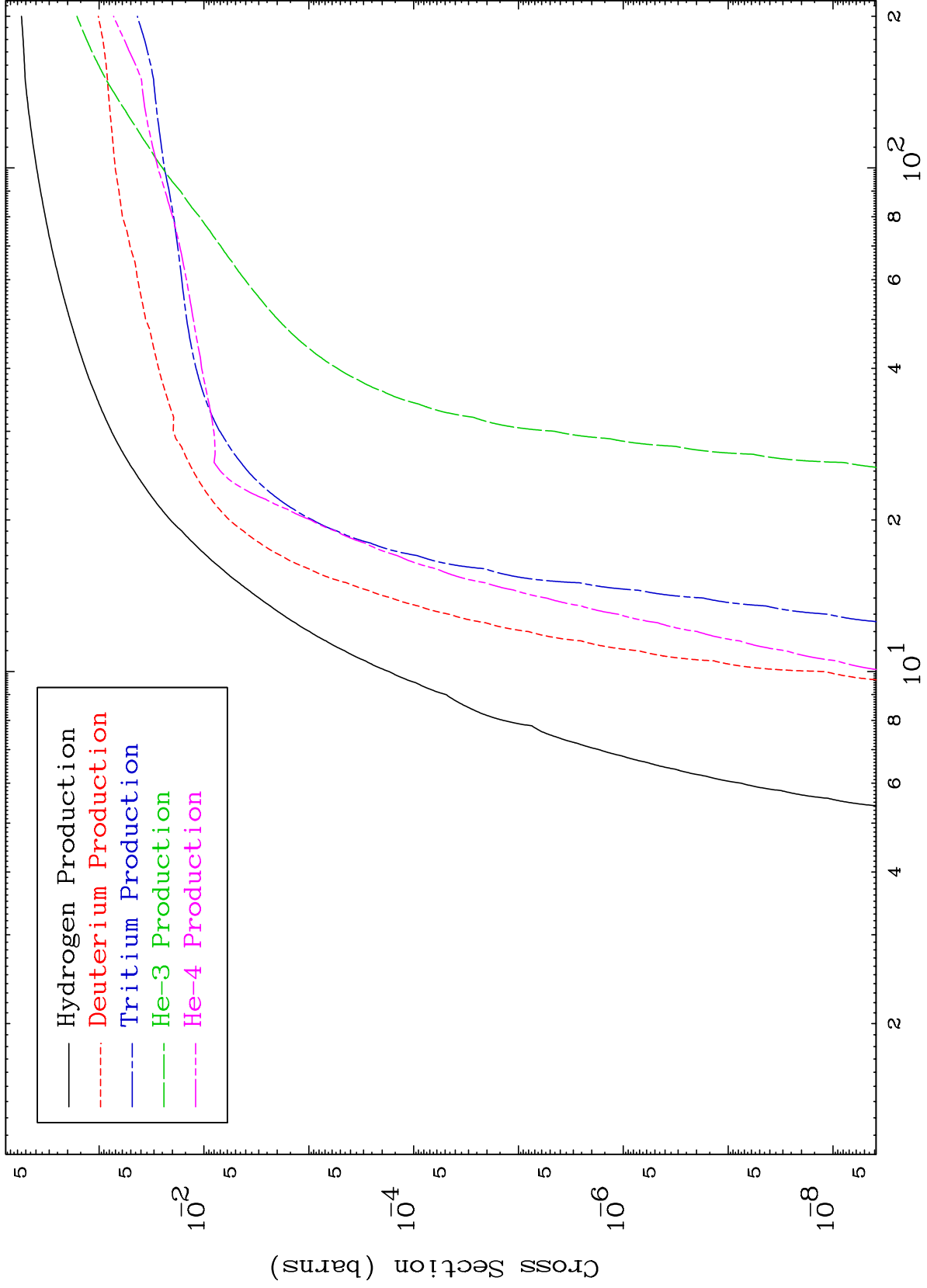
51-Sb-129



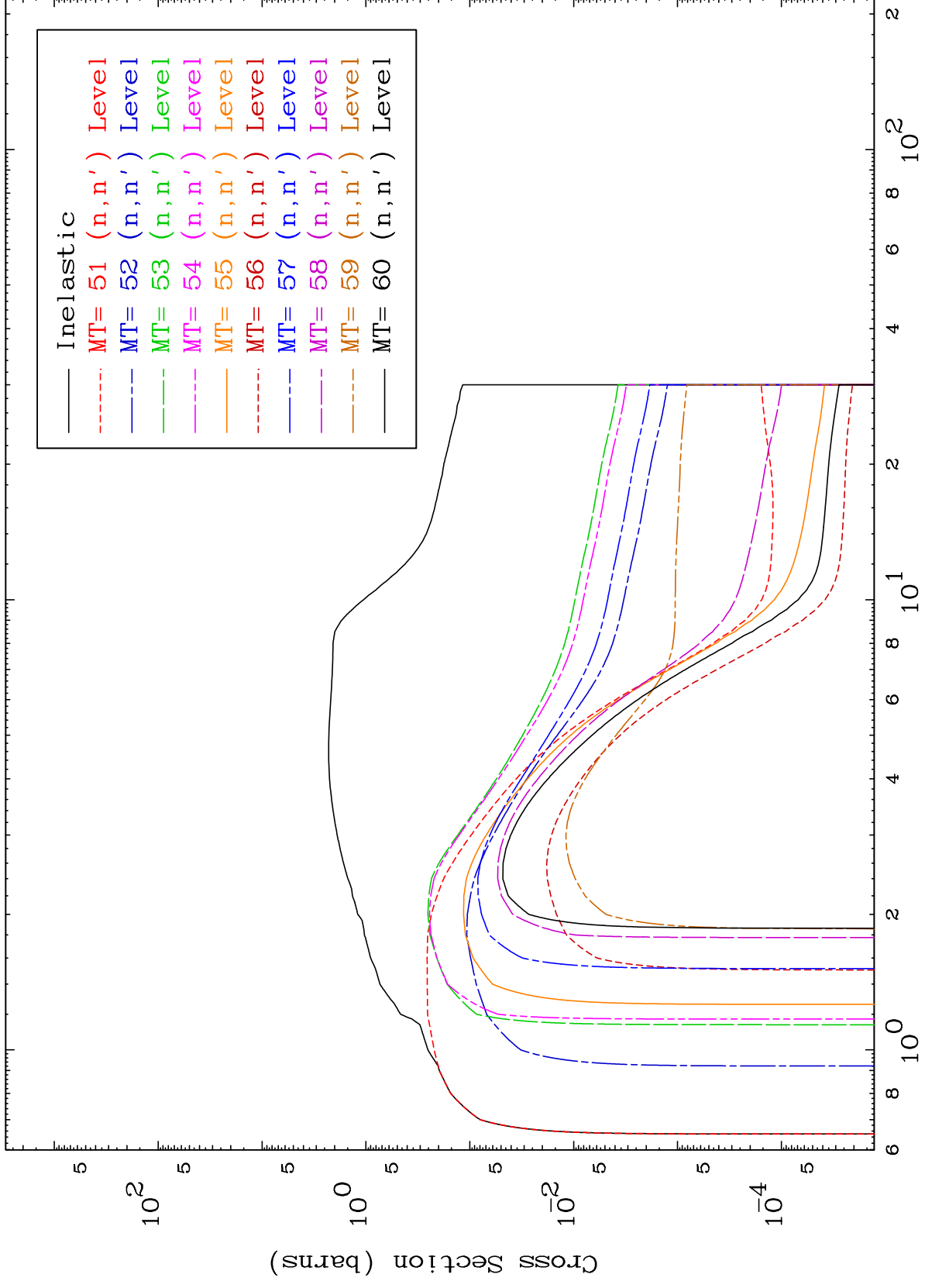








293 Kelvin Cross Sections

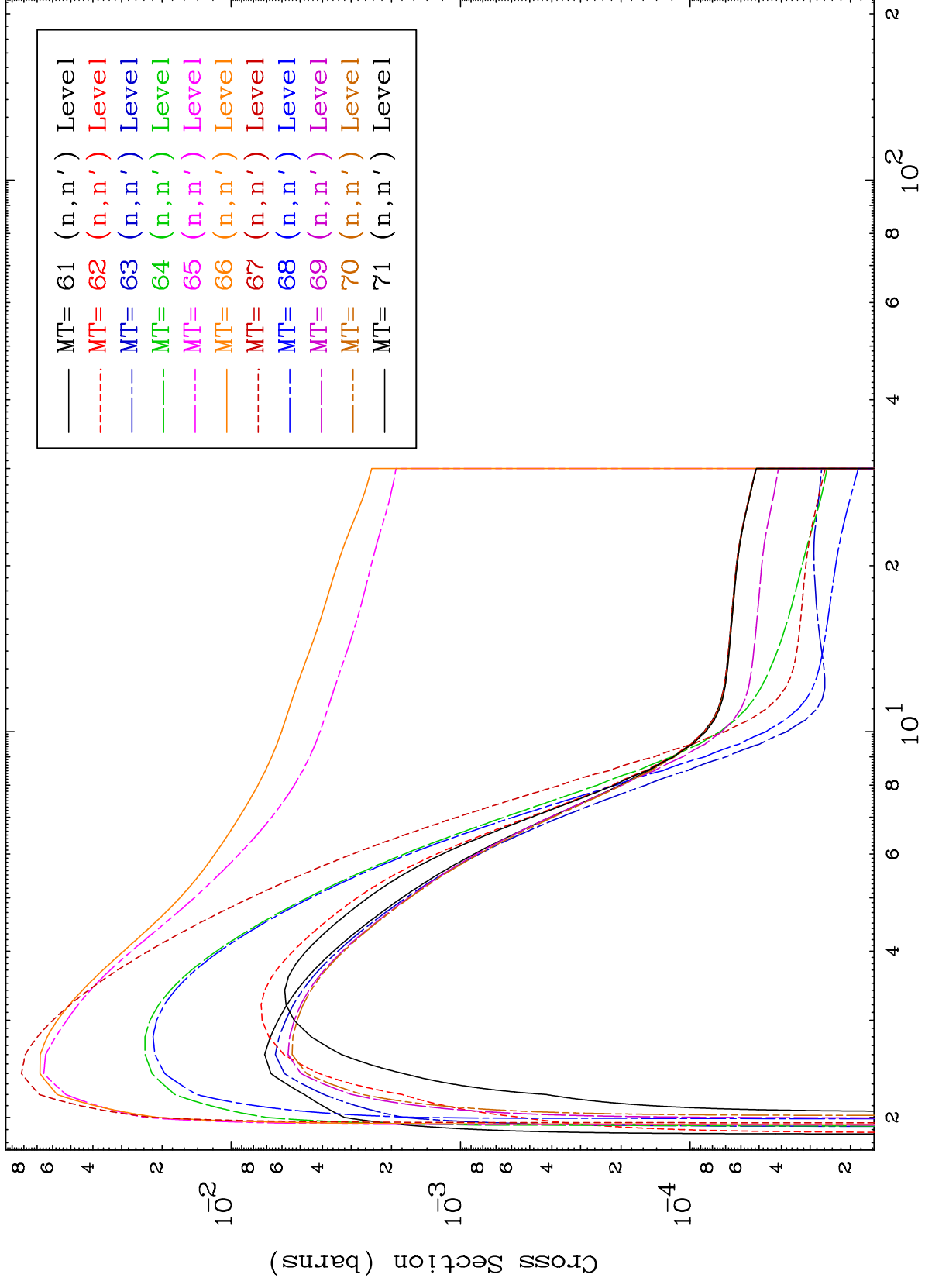


MAT 5149

(n,n') Level

293 Kelvin Cross Sections

51-Sb-129

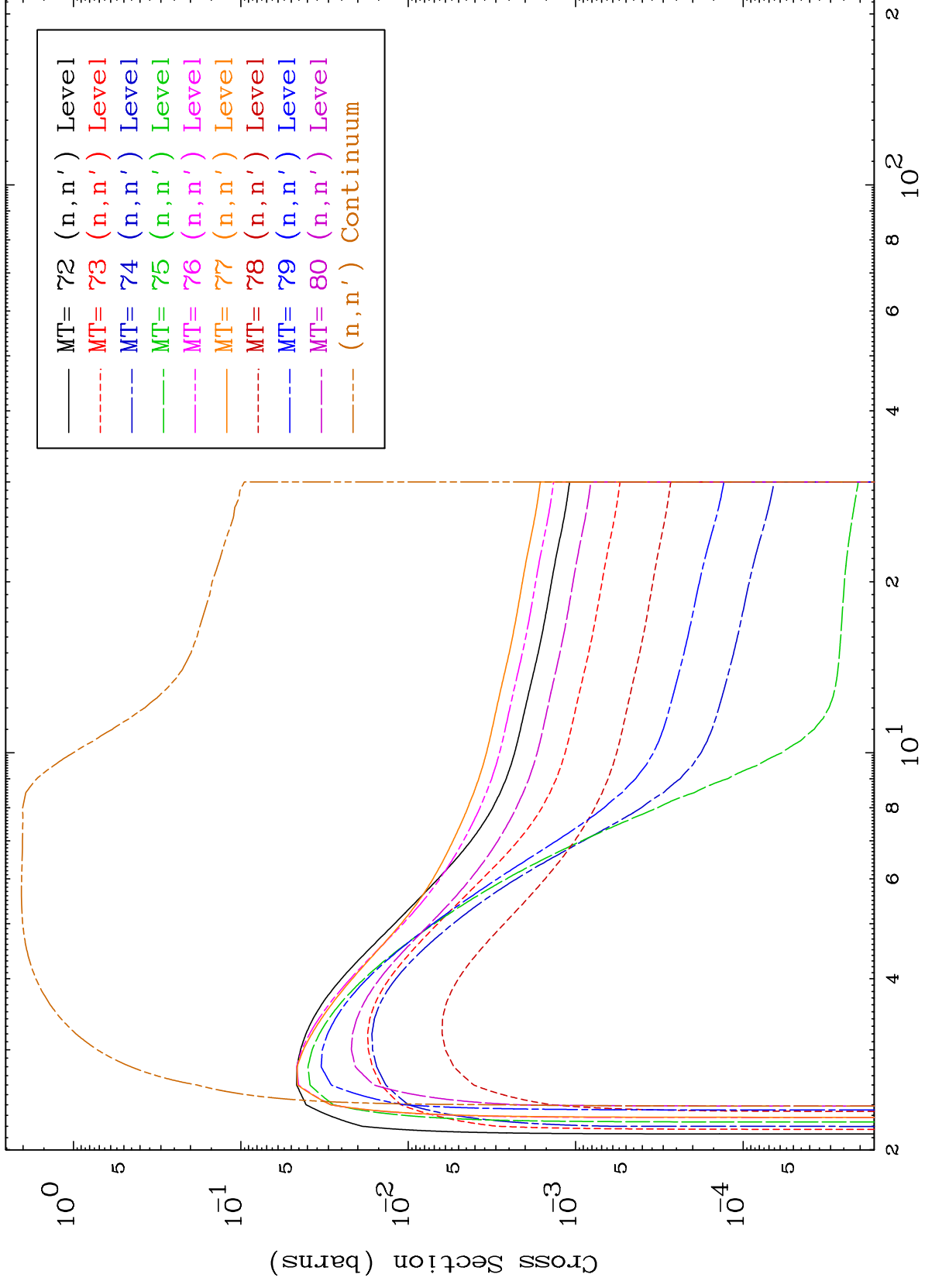


7

Incident Energy (MeV)

51-Sb-129

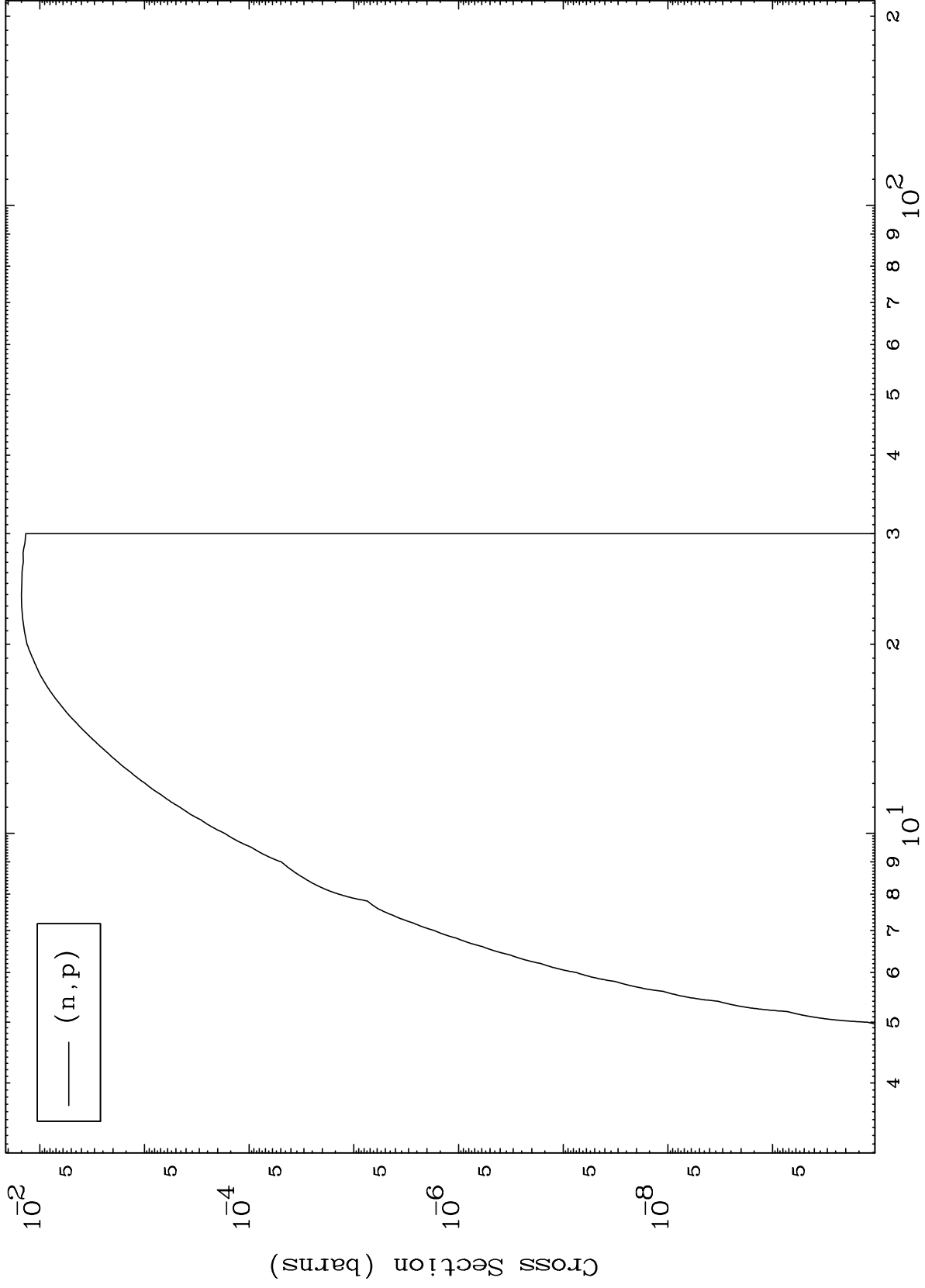
293 Kelvin Cross Sections



MAT 5149

(n,p) Levels
293 Kelvin Cross Sections

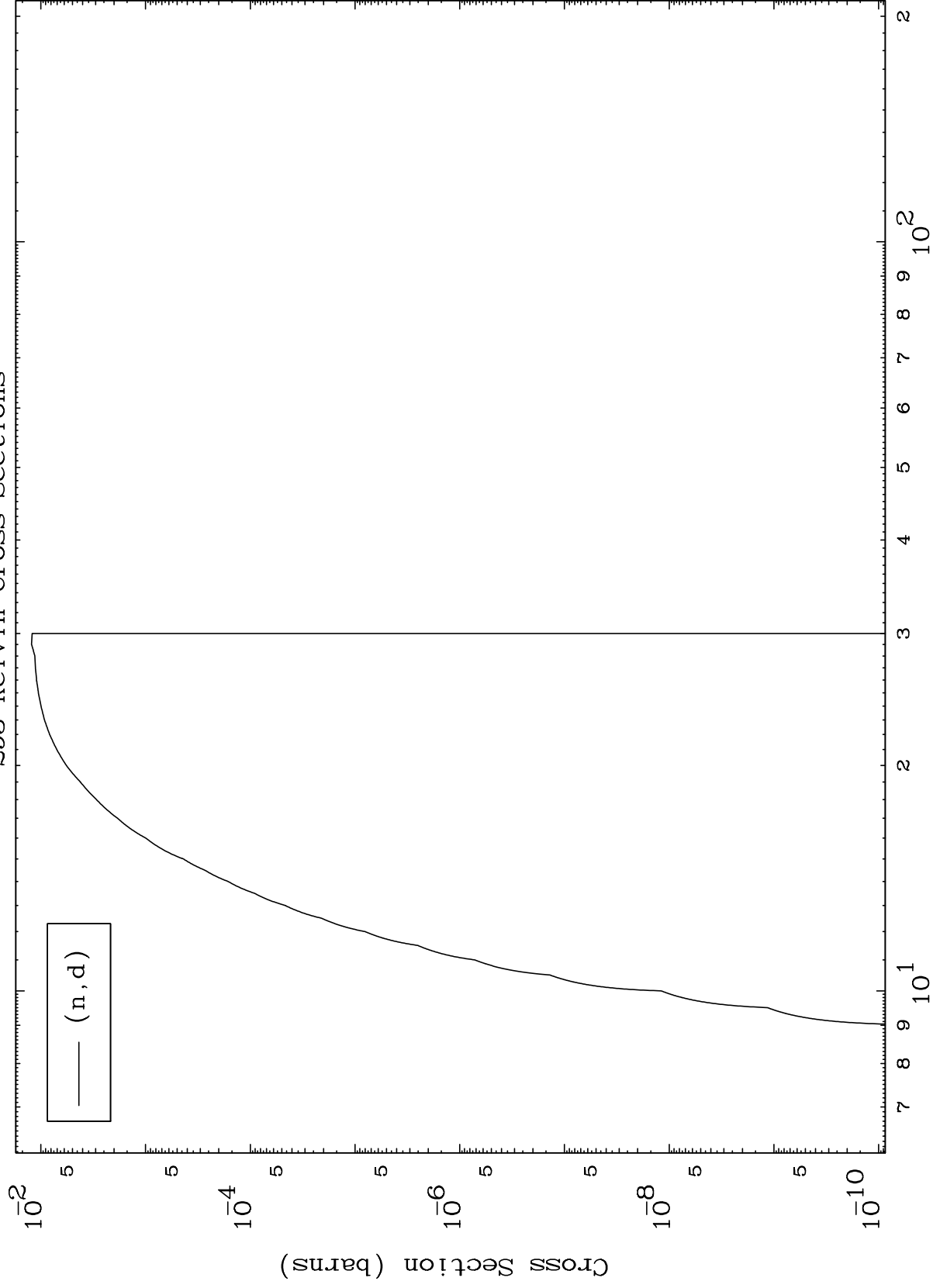
51-Sb-129



MAT 5149

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-129



10

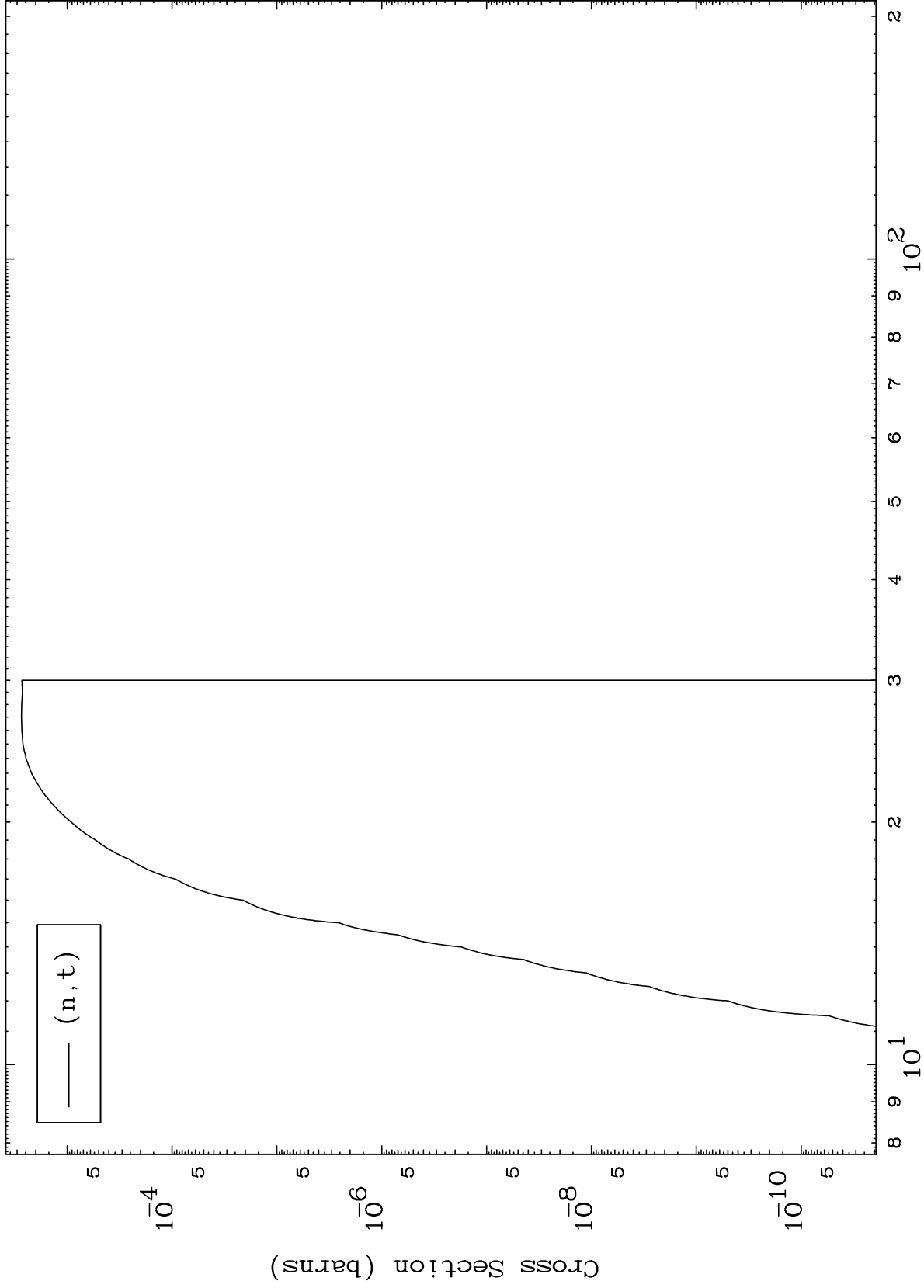
Incident Energy (MeV)

51-Sb-129

MAT 5149

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-129



11

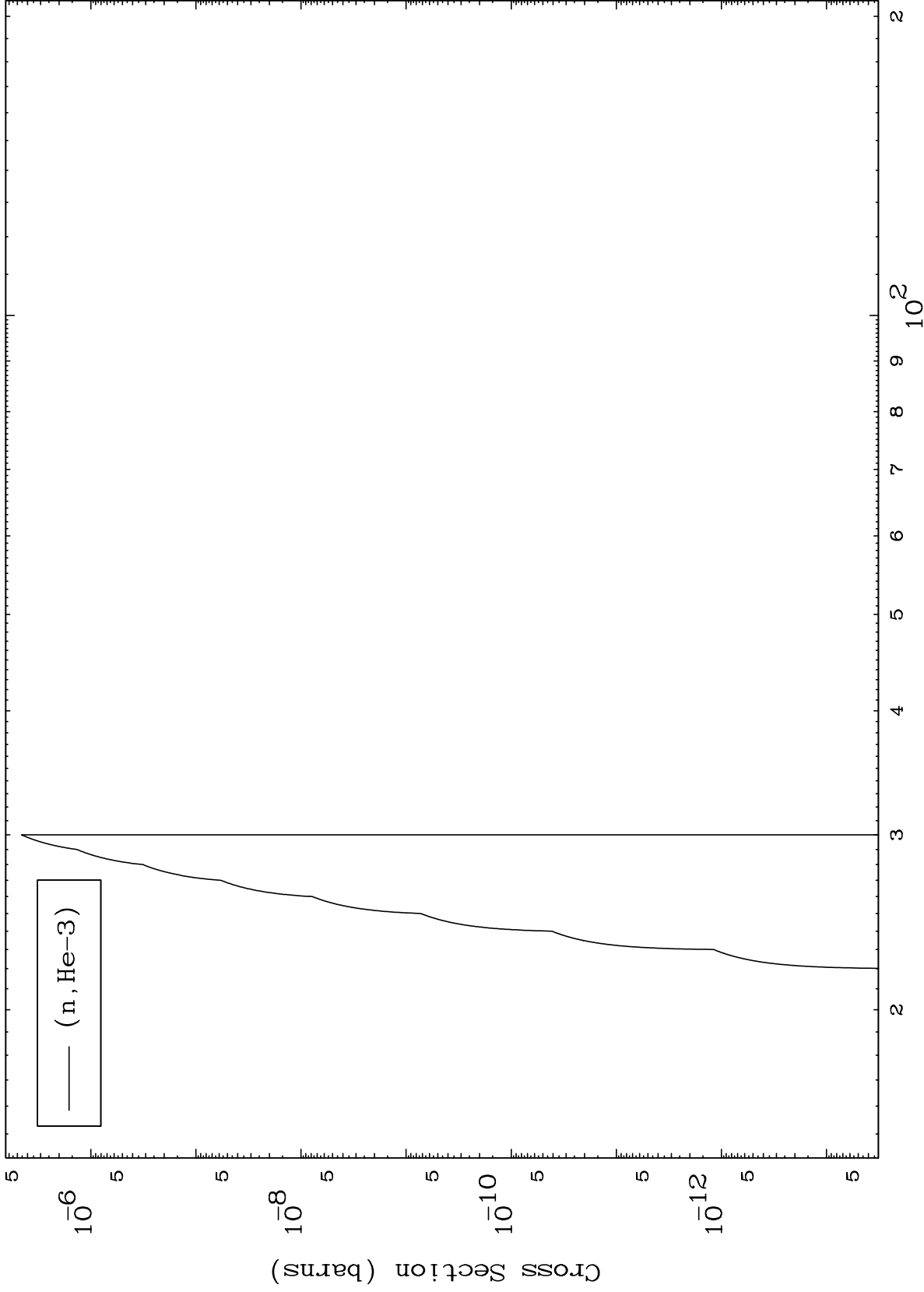
Incident Energy (MeV)

51-Sb-129

MAT 5149

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-129



12

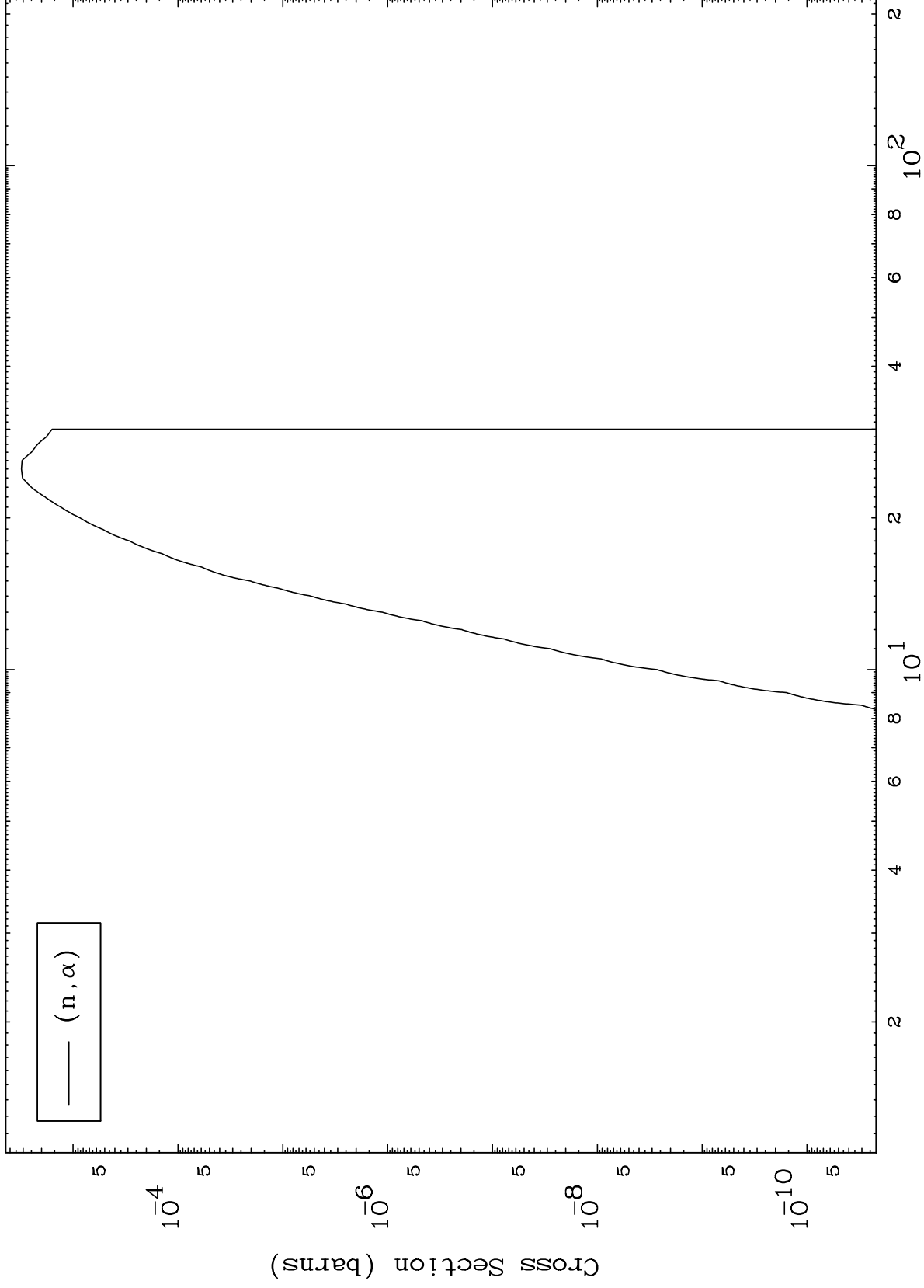
Incident Energy (MeV)

51-Sb-129

MAT 5149

(n, α) Levels
293 Kelvin Cross Sections

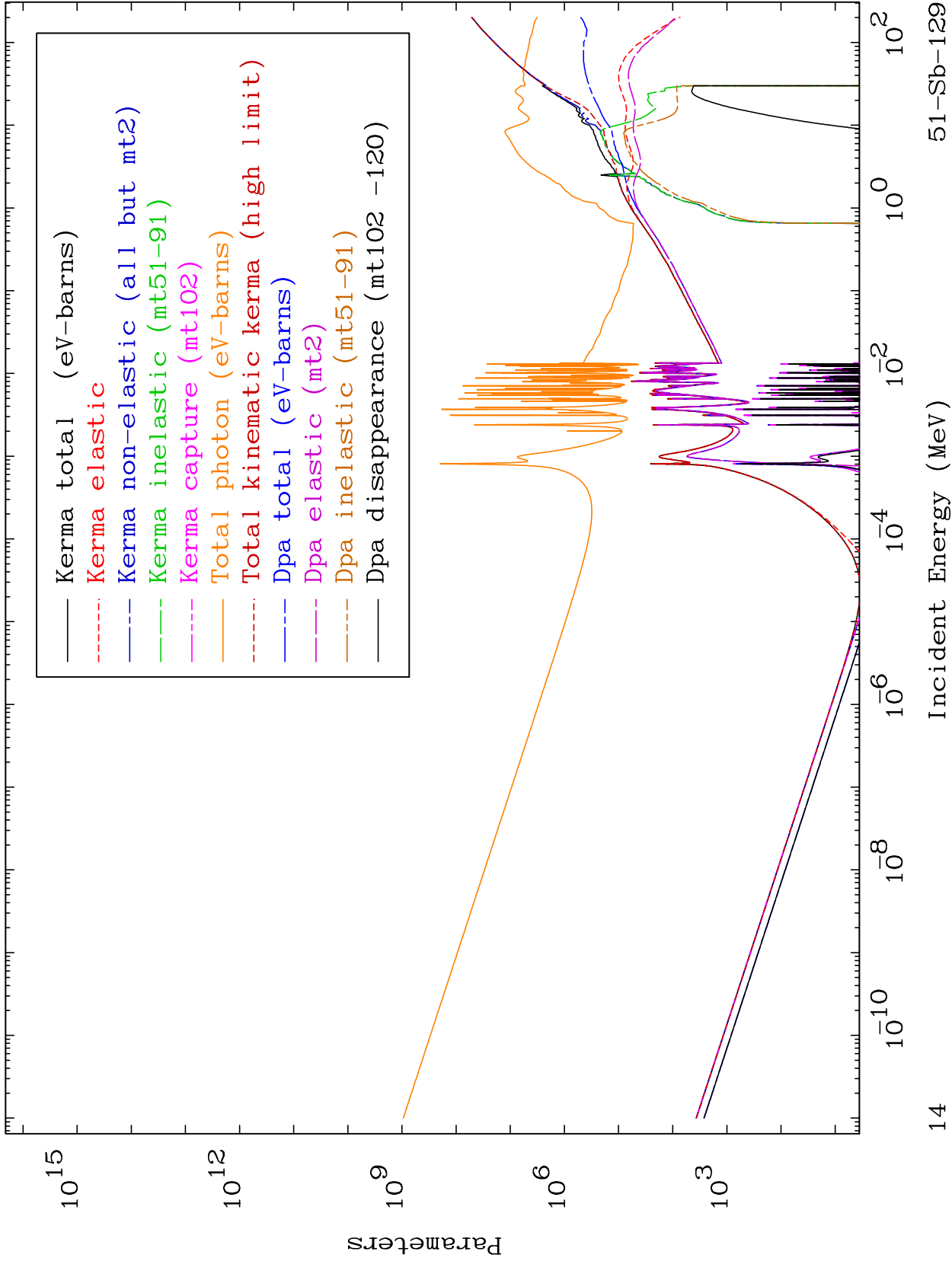
51-Sb-129



13

Incident Energy (MeV)

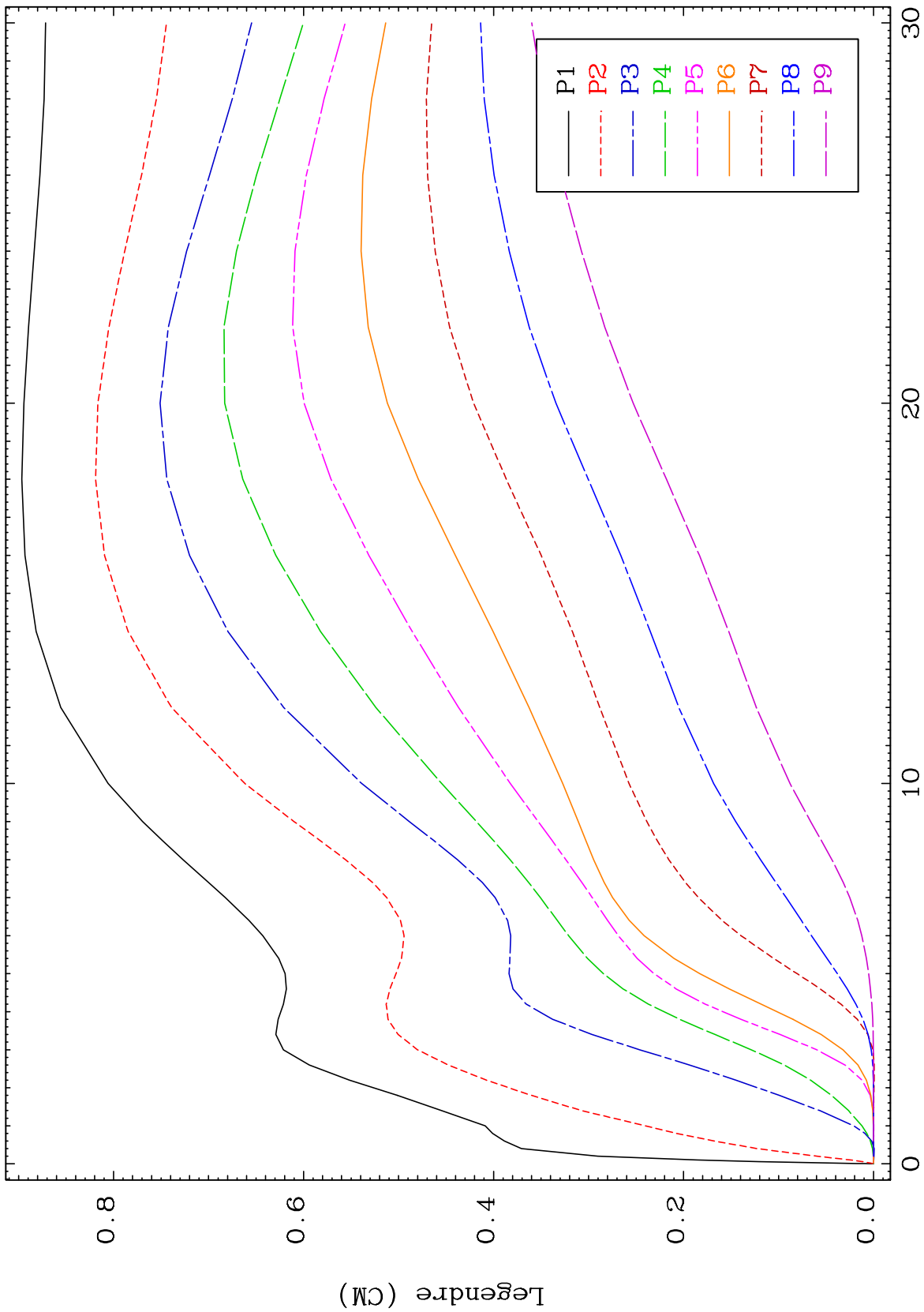
51-Sb-129



MAT 5149

51-Sb-129

Elastic Legendre Coefficients



15

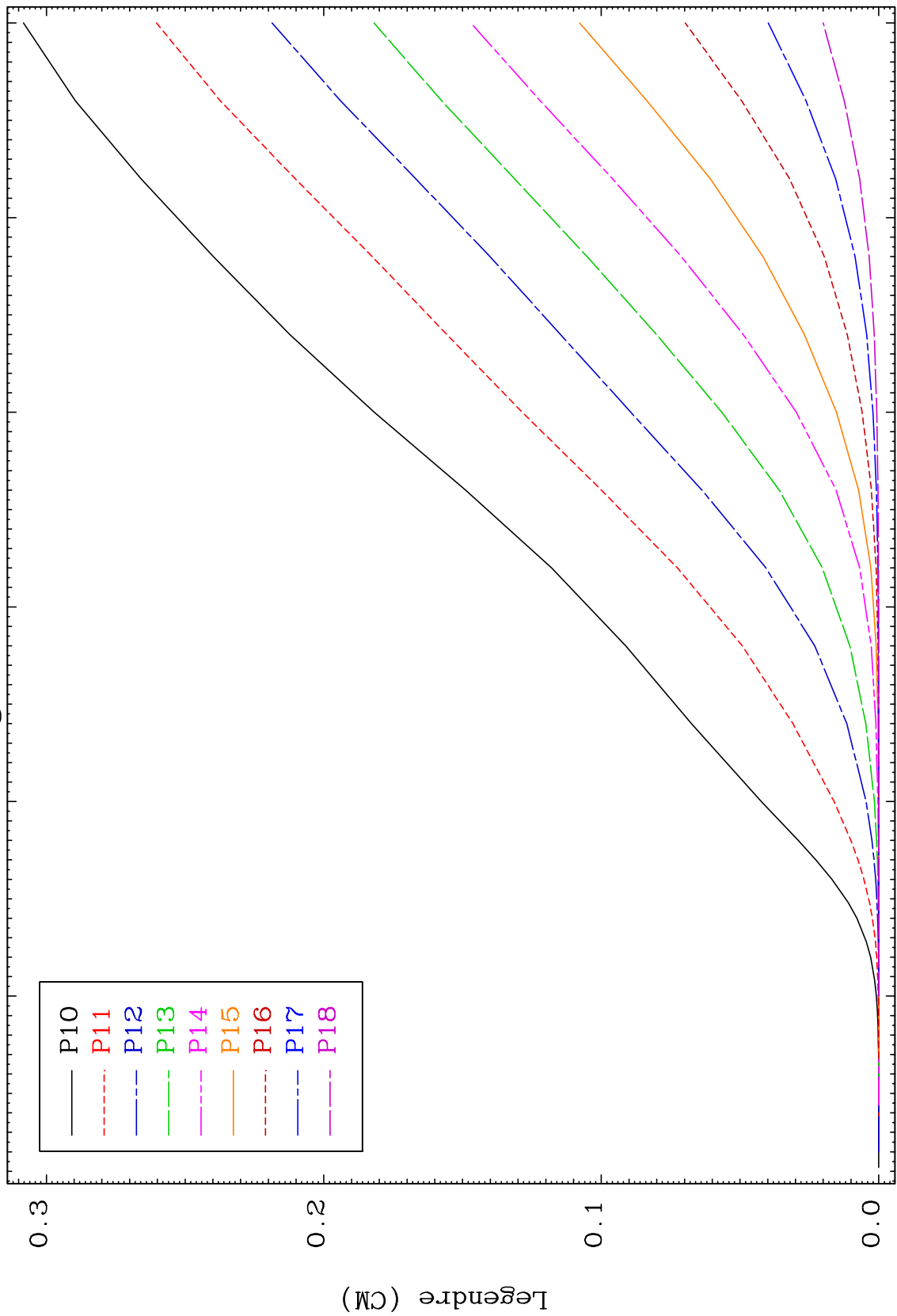
Incident Energy (MeV)

51-Sb-129

MAT 5149

Elastic Legendre Coefficients

51-Sb-129



16

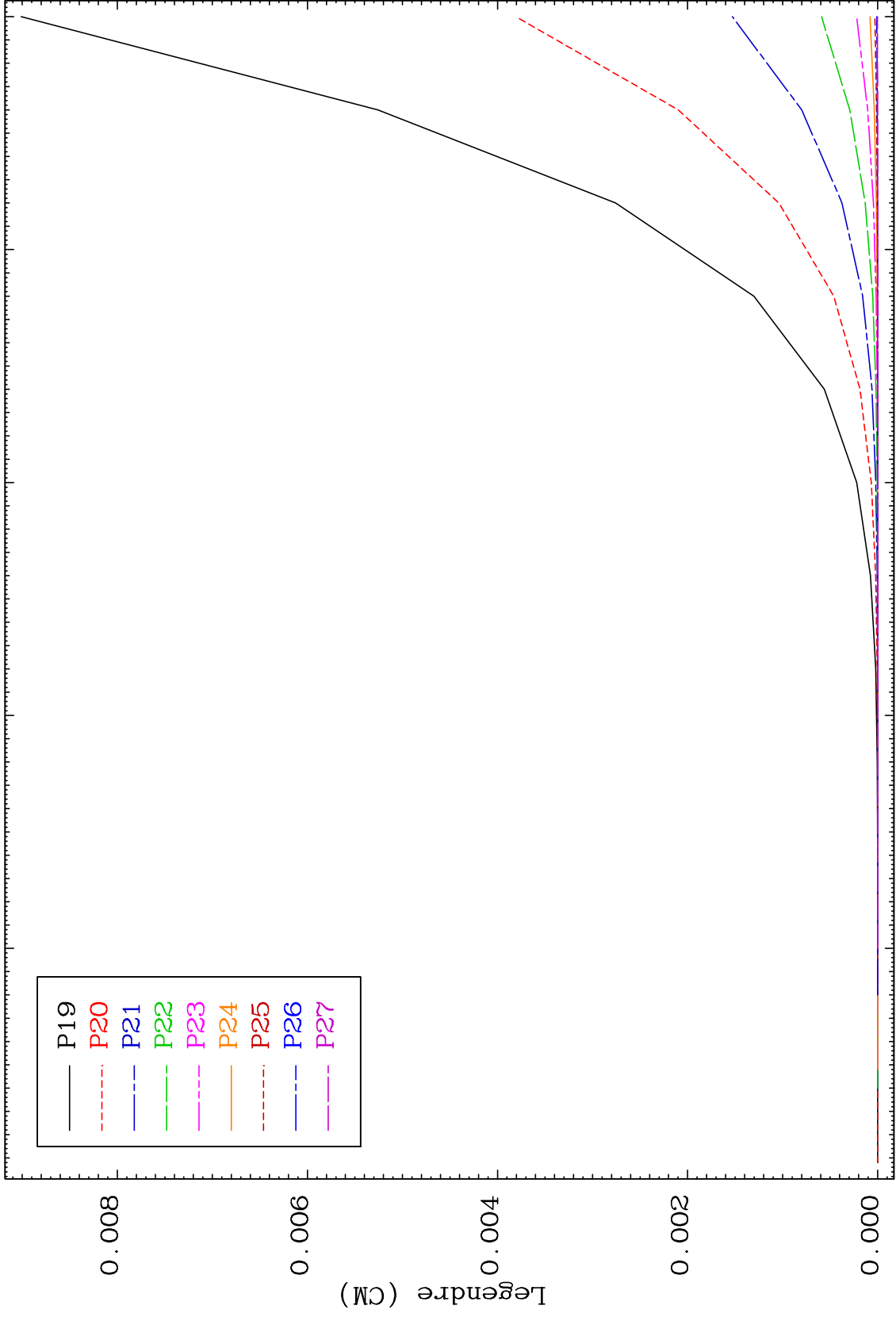
Incident Energy (MeV)

51-Sb-129

MAT 5149

Elastic Legendre Coefficients

51-Sb-129



17

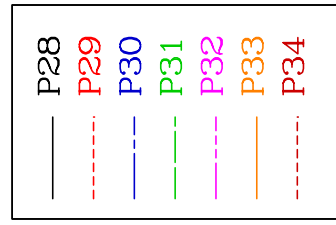
Incident Energy (MeV)

51-Sb-129

MAT 5149

Elastic Legendre Coefficients

51-Sb-129



$\times 10^{-7}$

6

Legendre (CM)

4

2

0

15

20

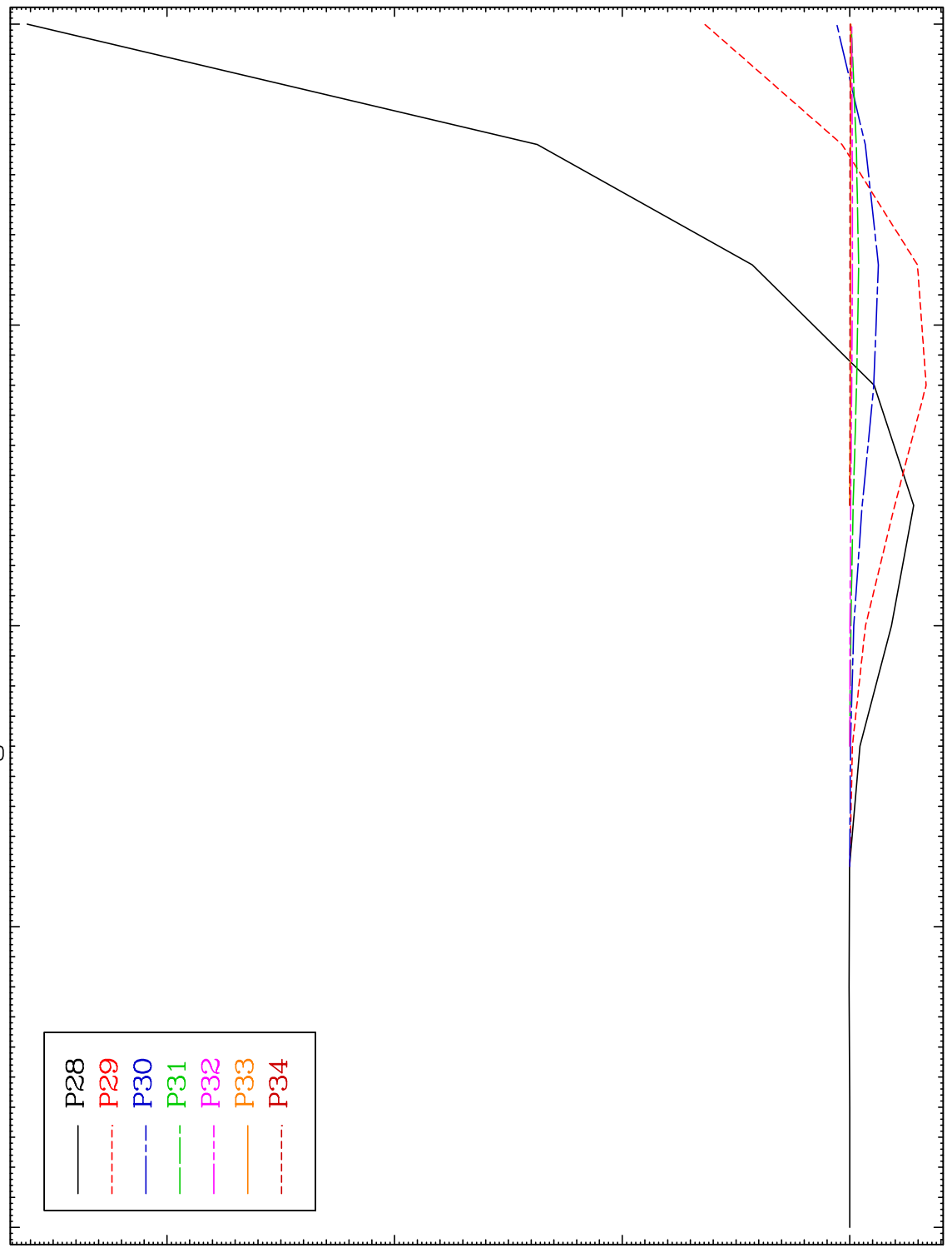
25

30

18

Incident Energy (MeV)

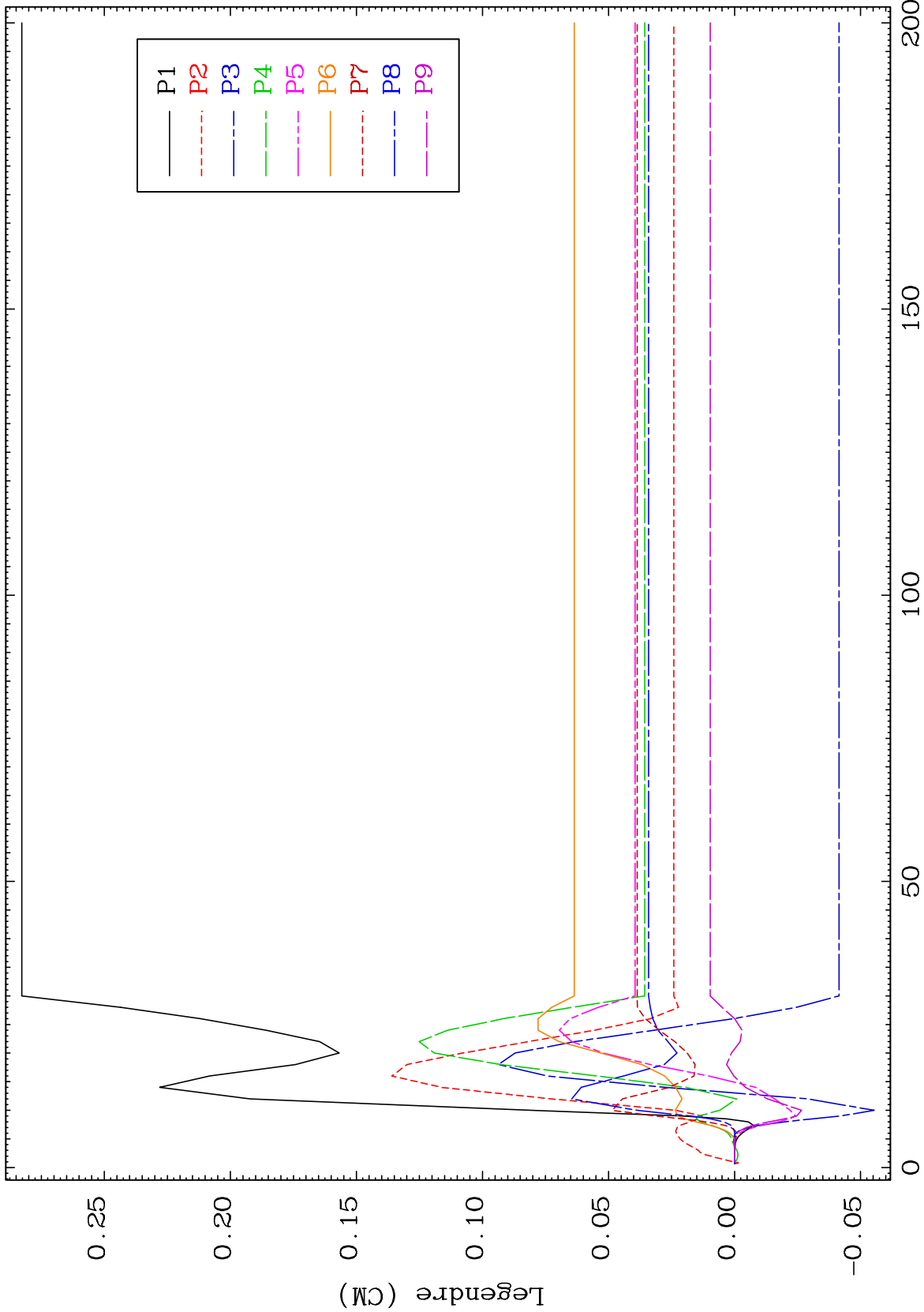
51-Sb-129



MAT 5149

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

51-Sb-129



19

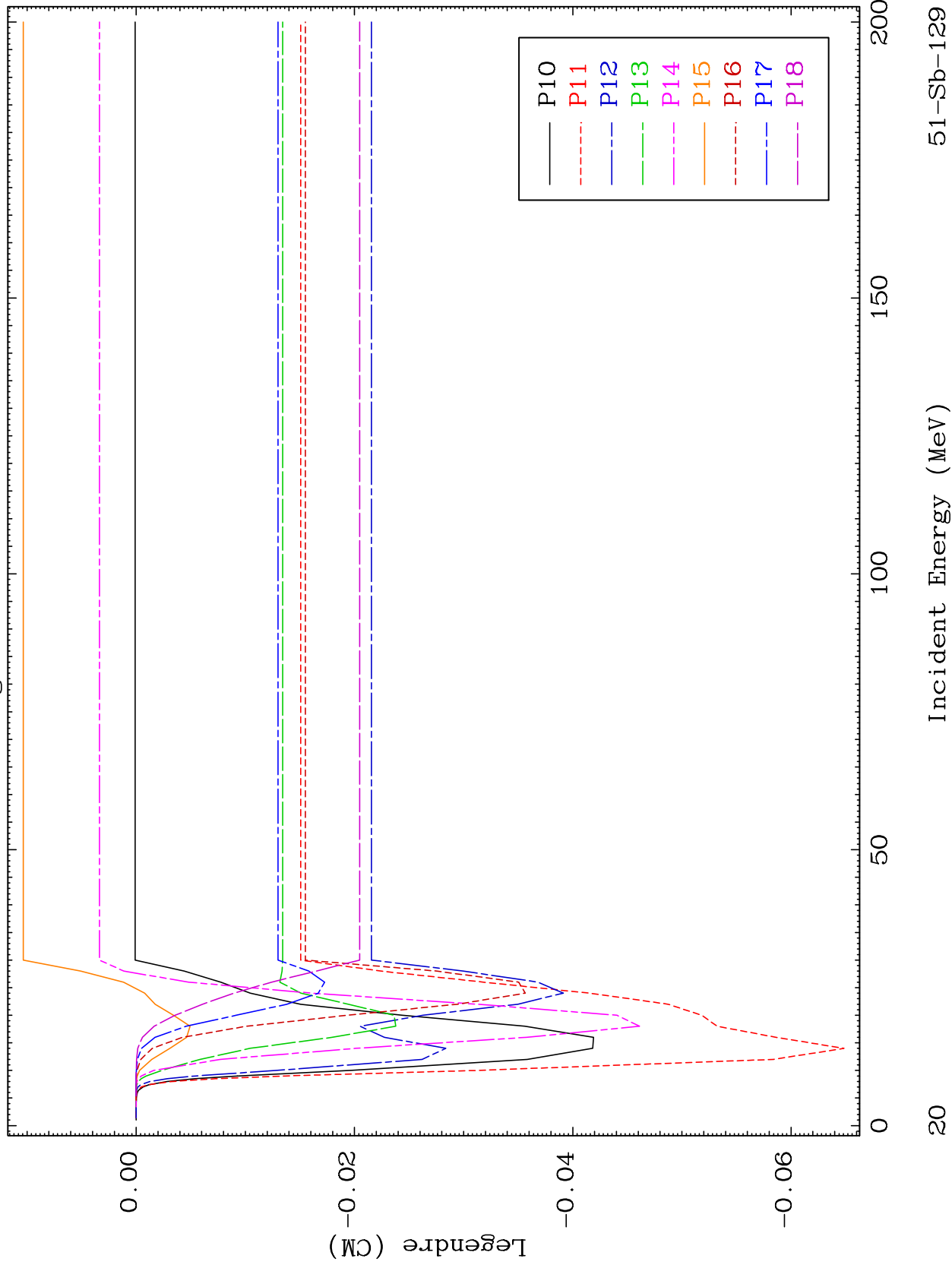
Incident Energy (MeV)

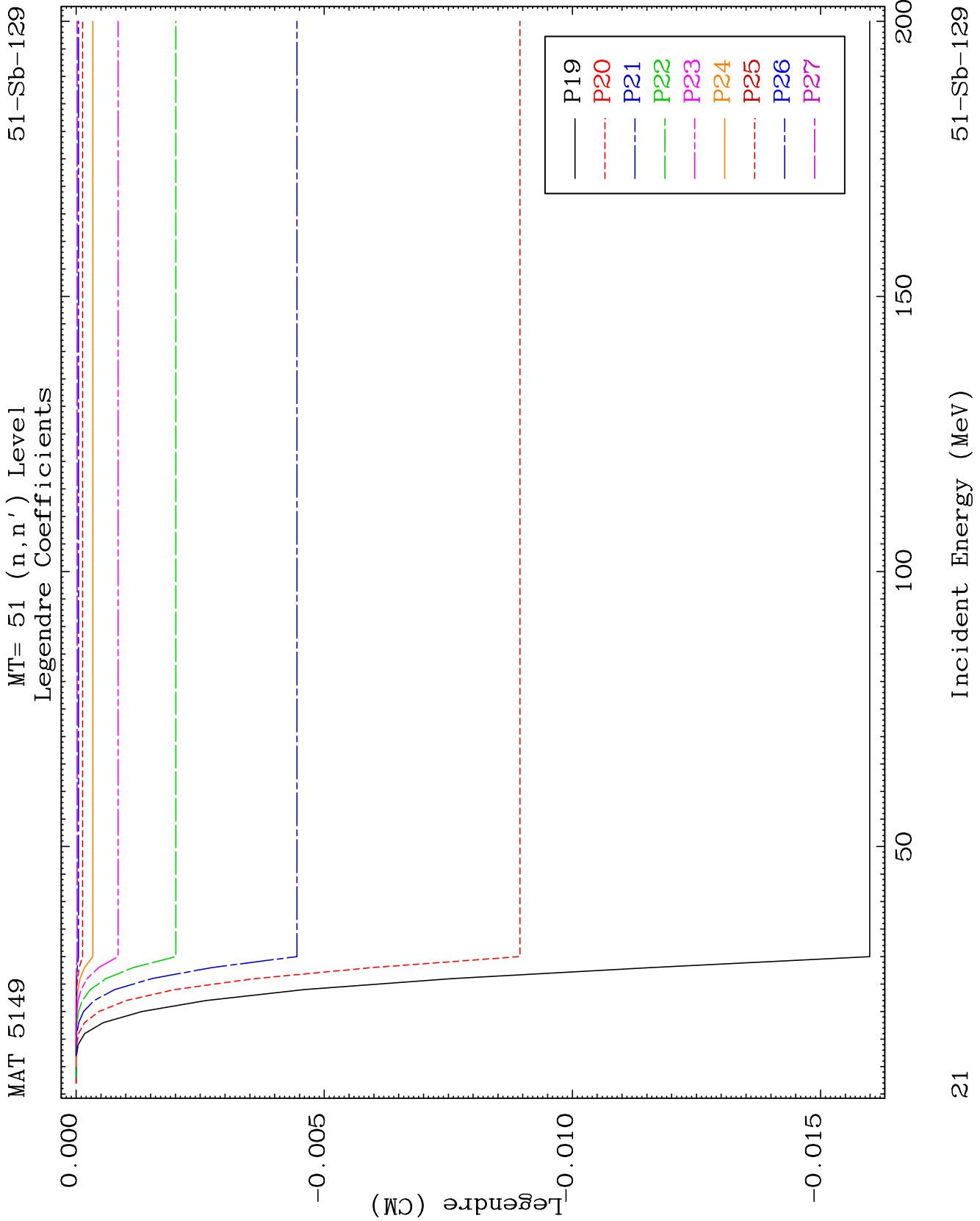
51-Sb-129

MAT 5149

51-Sb-129

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

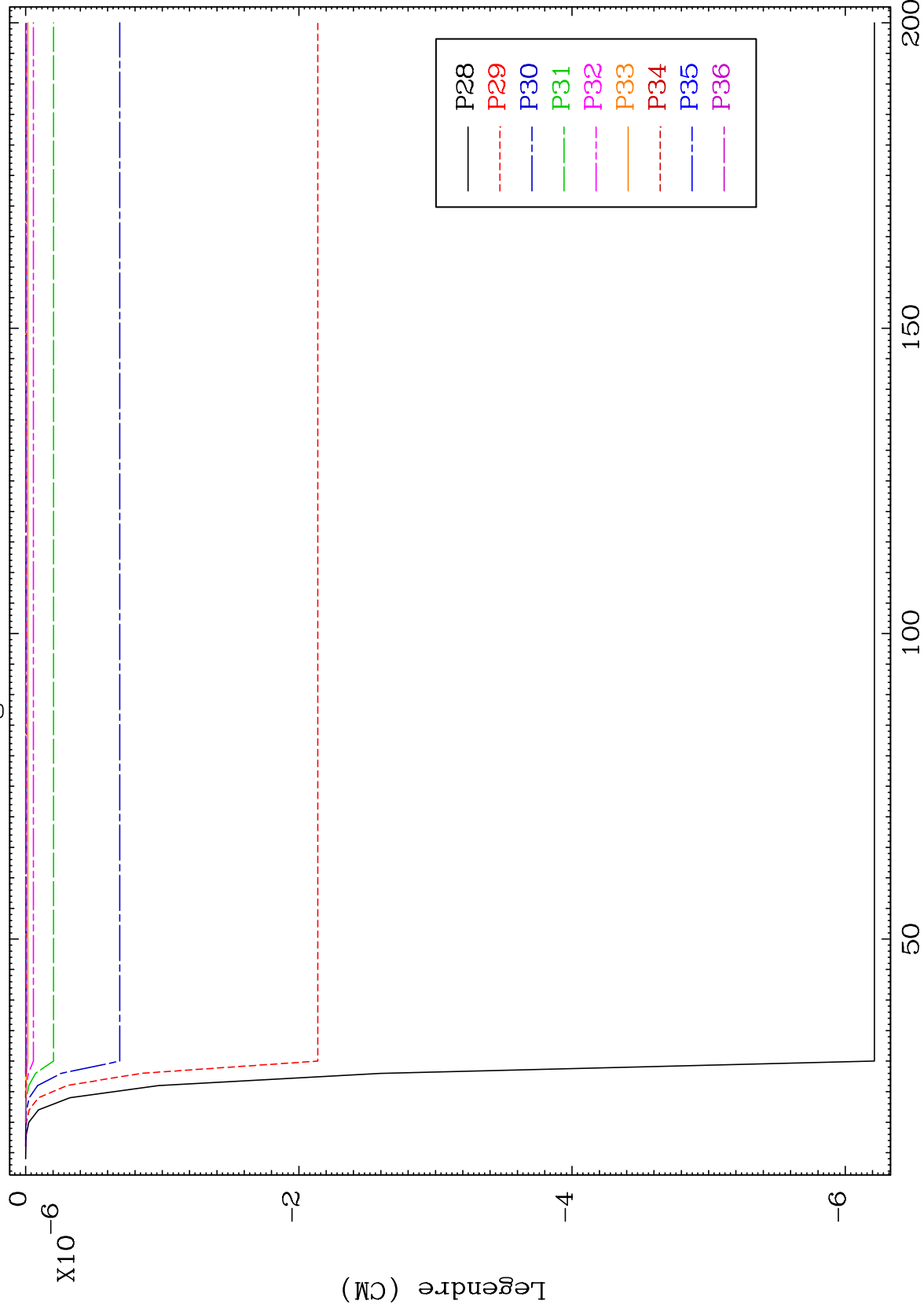


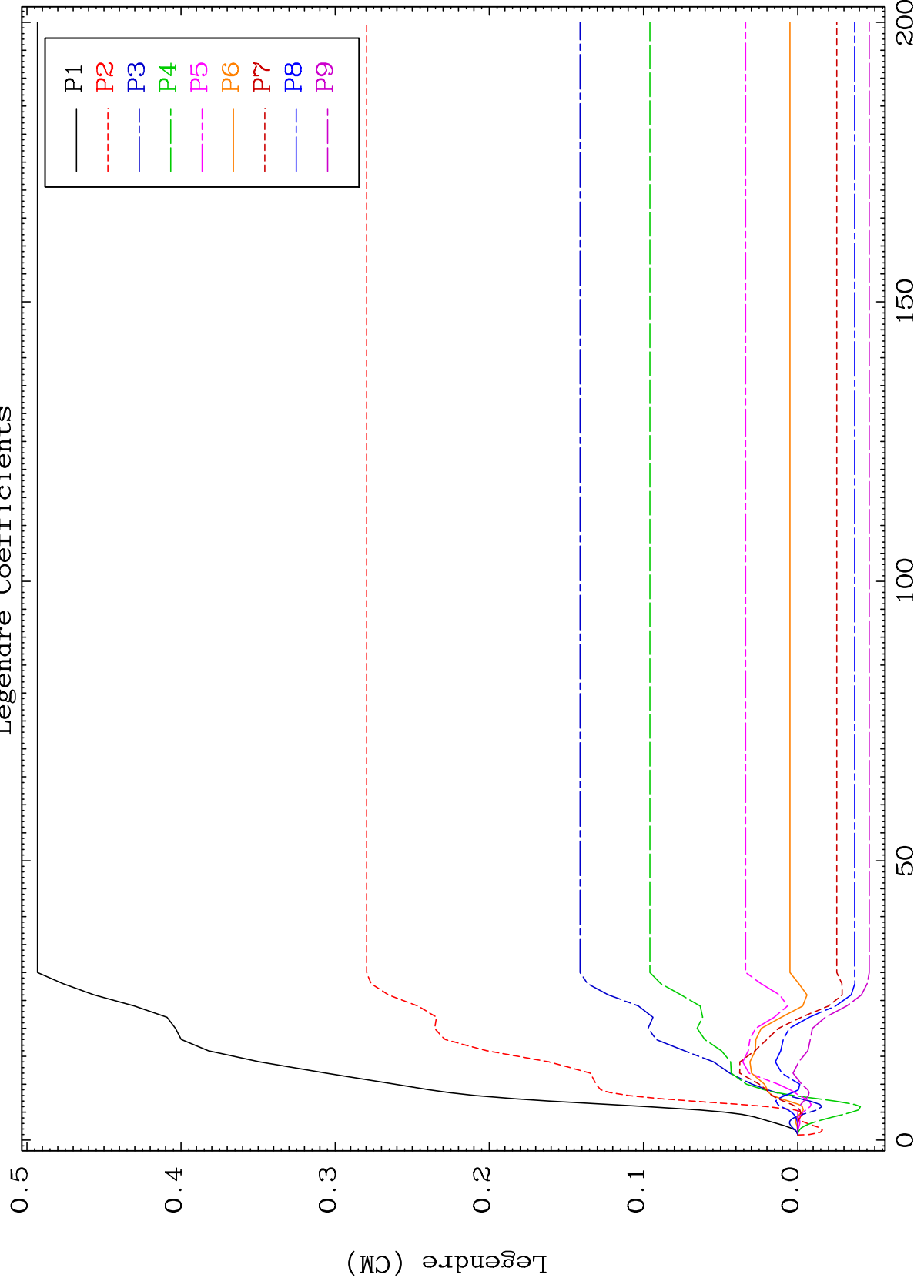


MAT 5149

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

51-Sb-129

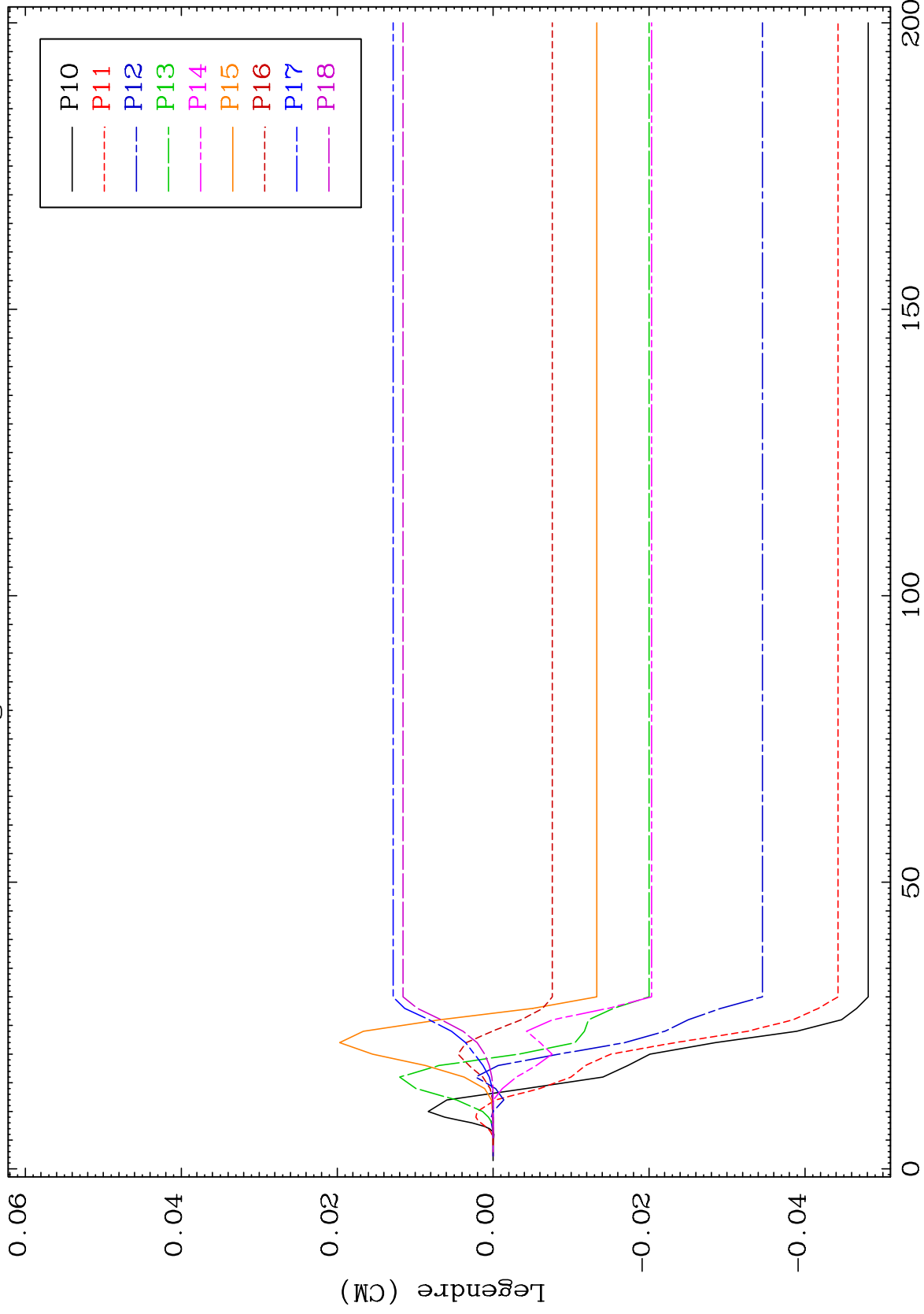




MAT 5149

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

51-Sb-129



24

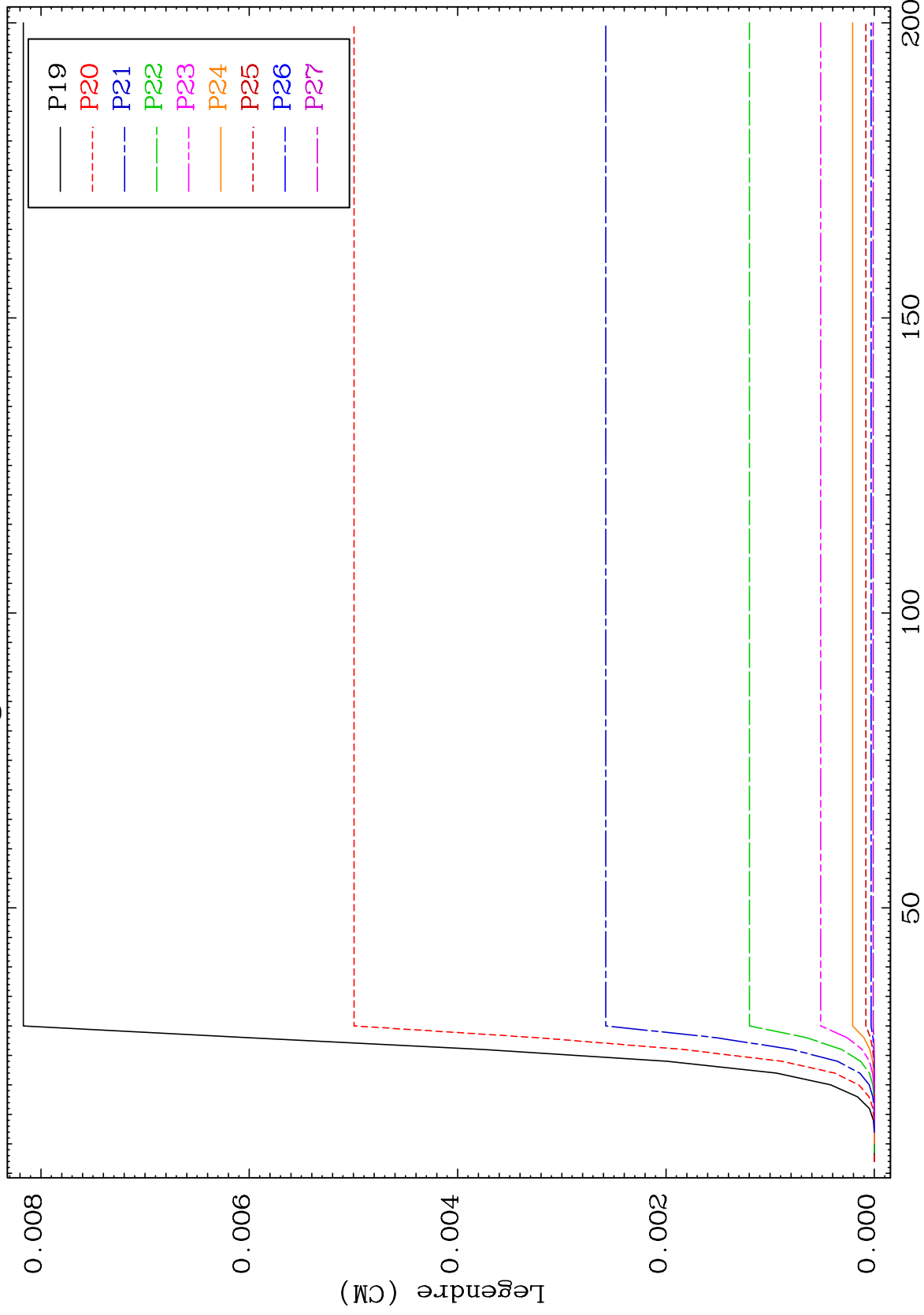
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



25

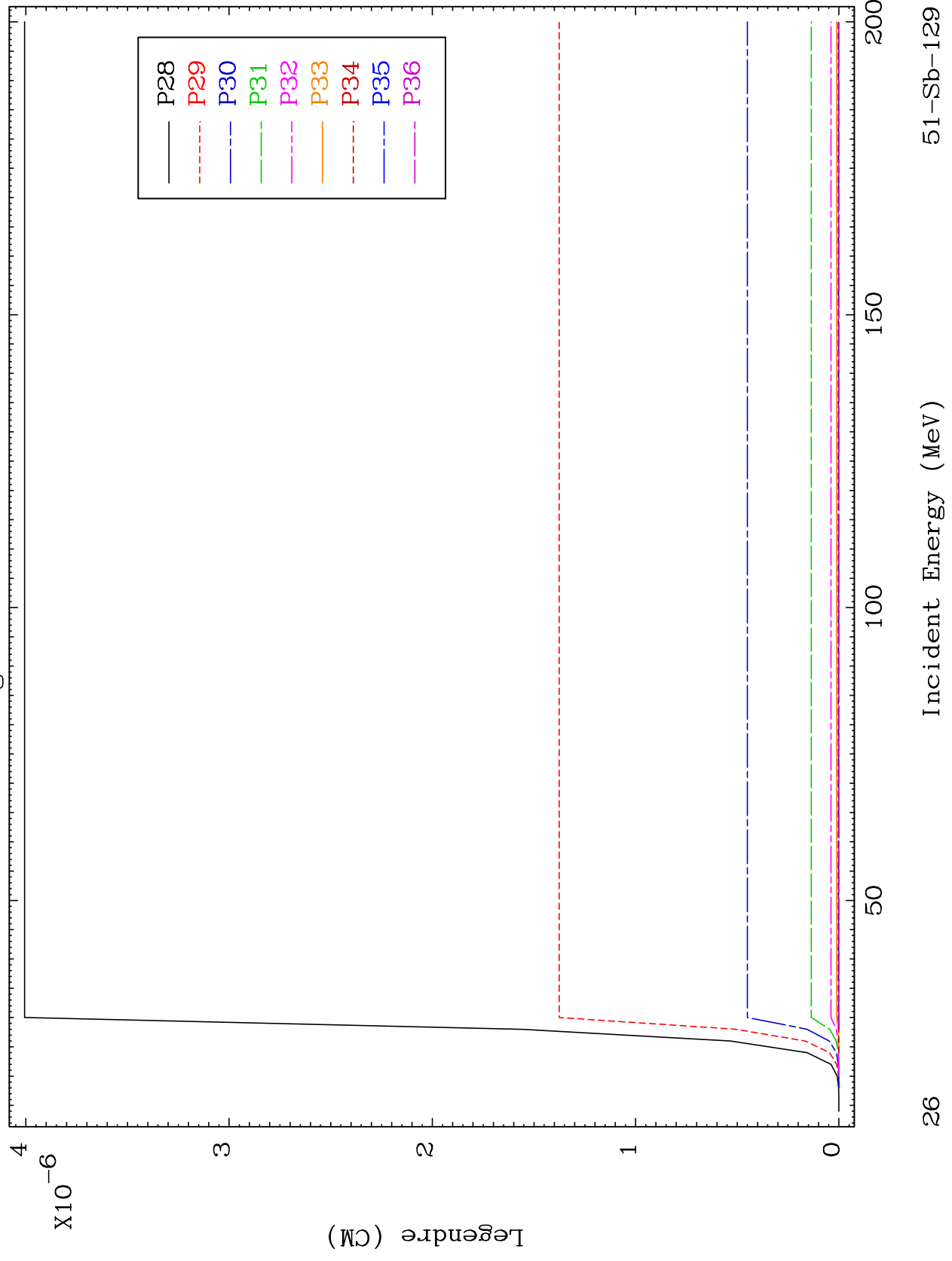
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



26

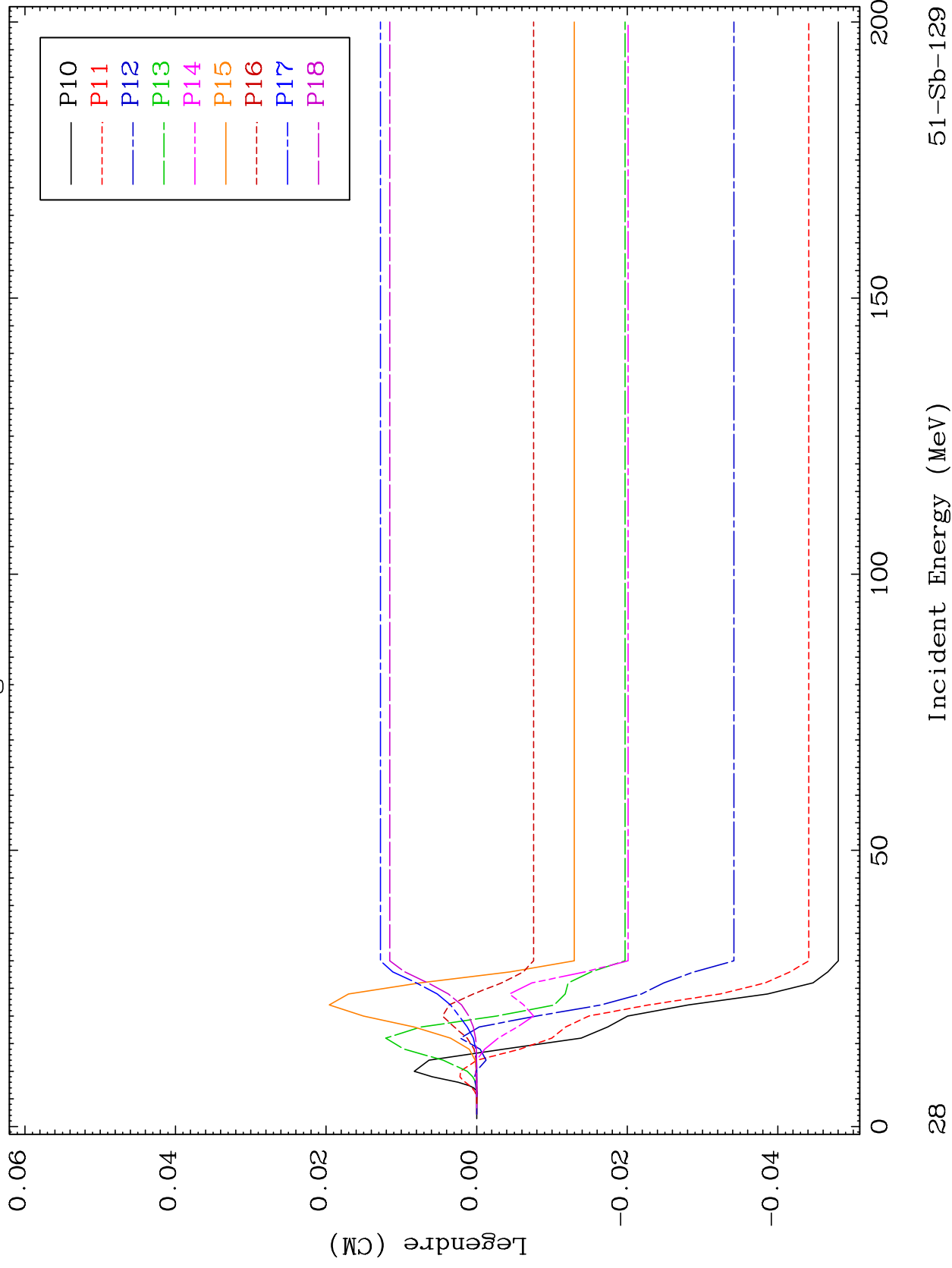
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



51-Sb-129

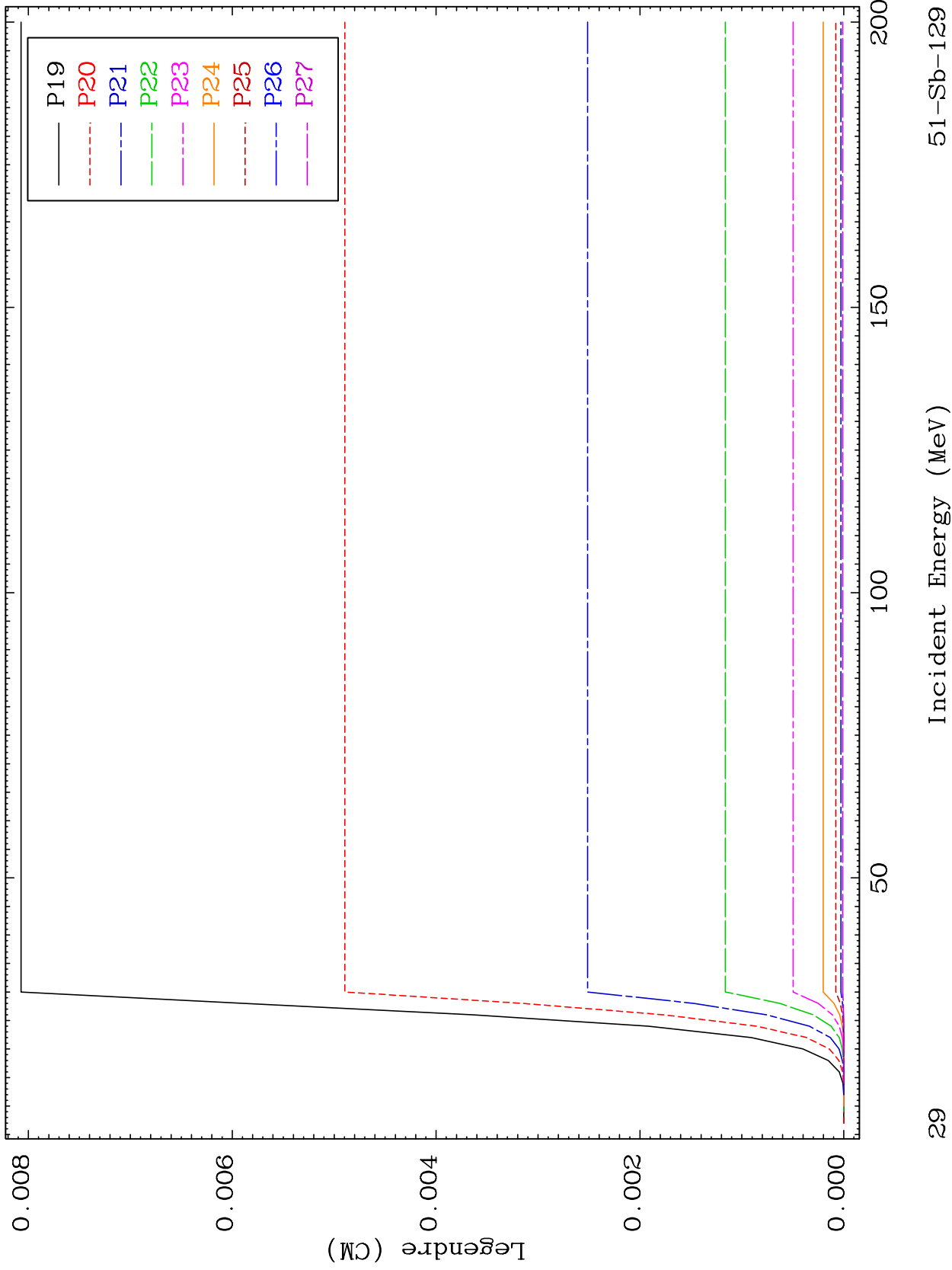
Incident Energy (MeV)

28

MAT 5149

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

51-Sb-129



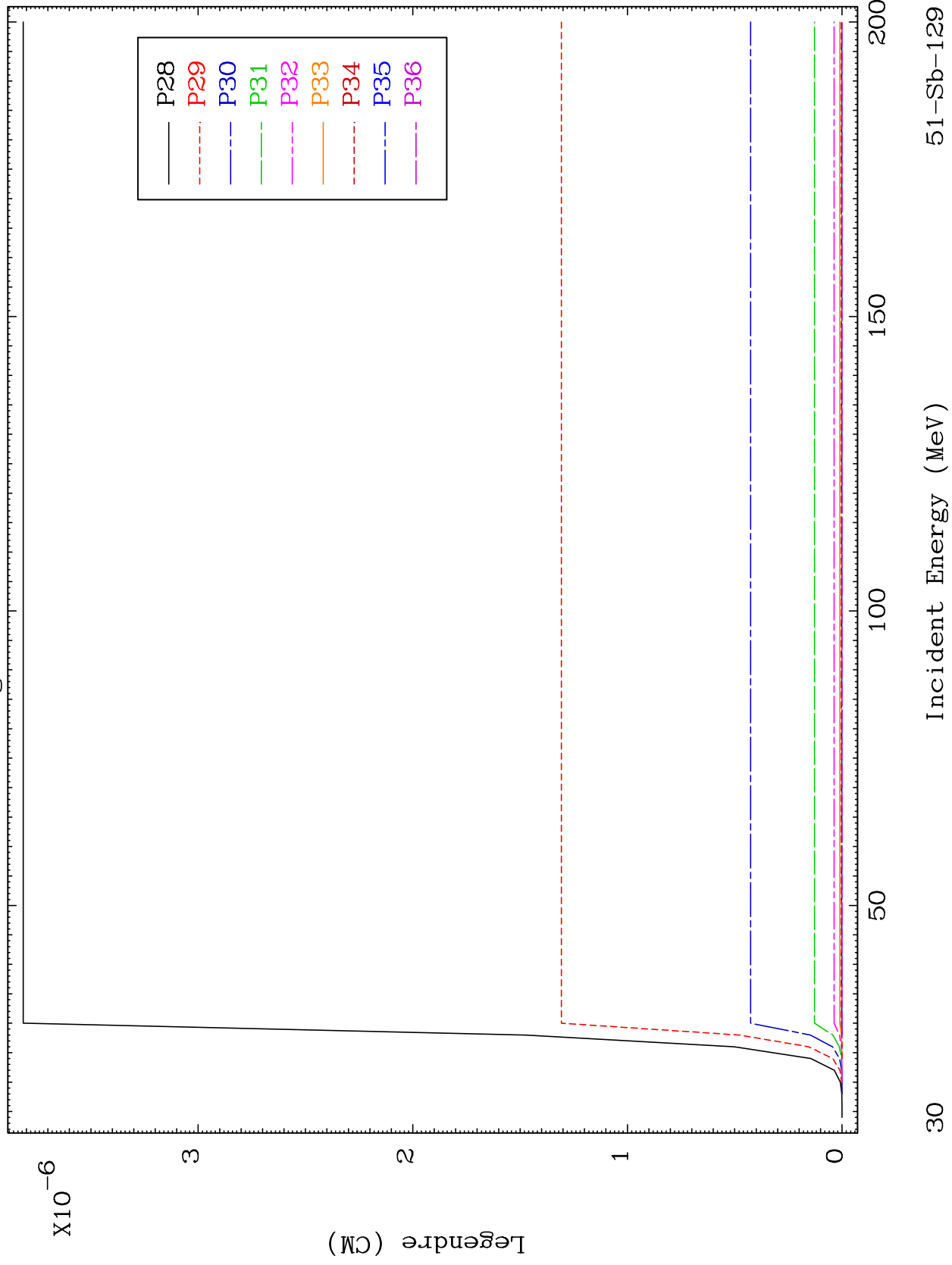
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51-Sb-129

MAT 5149

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

51-Sb-129

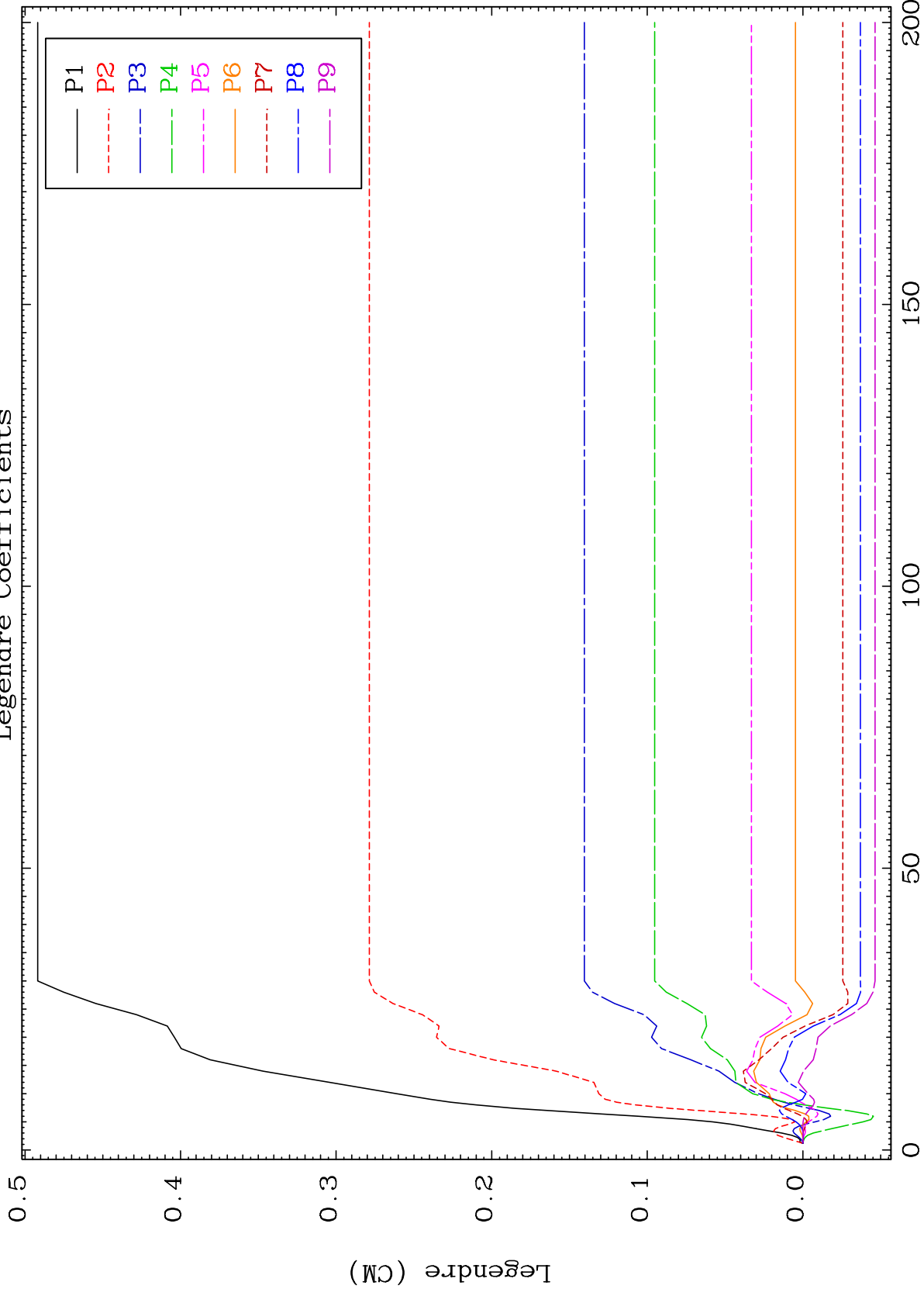


MAT 5149

MT= 54 (n,n') Level

51-Sb-129

Legendre Coefficients



31

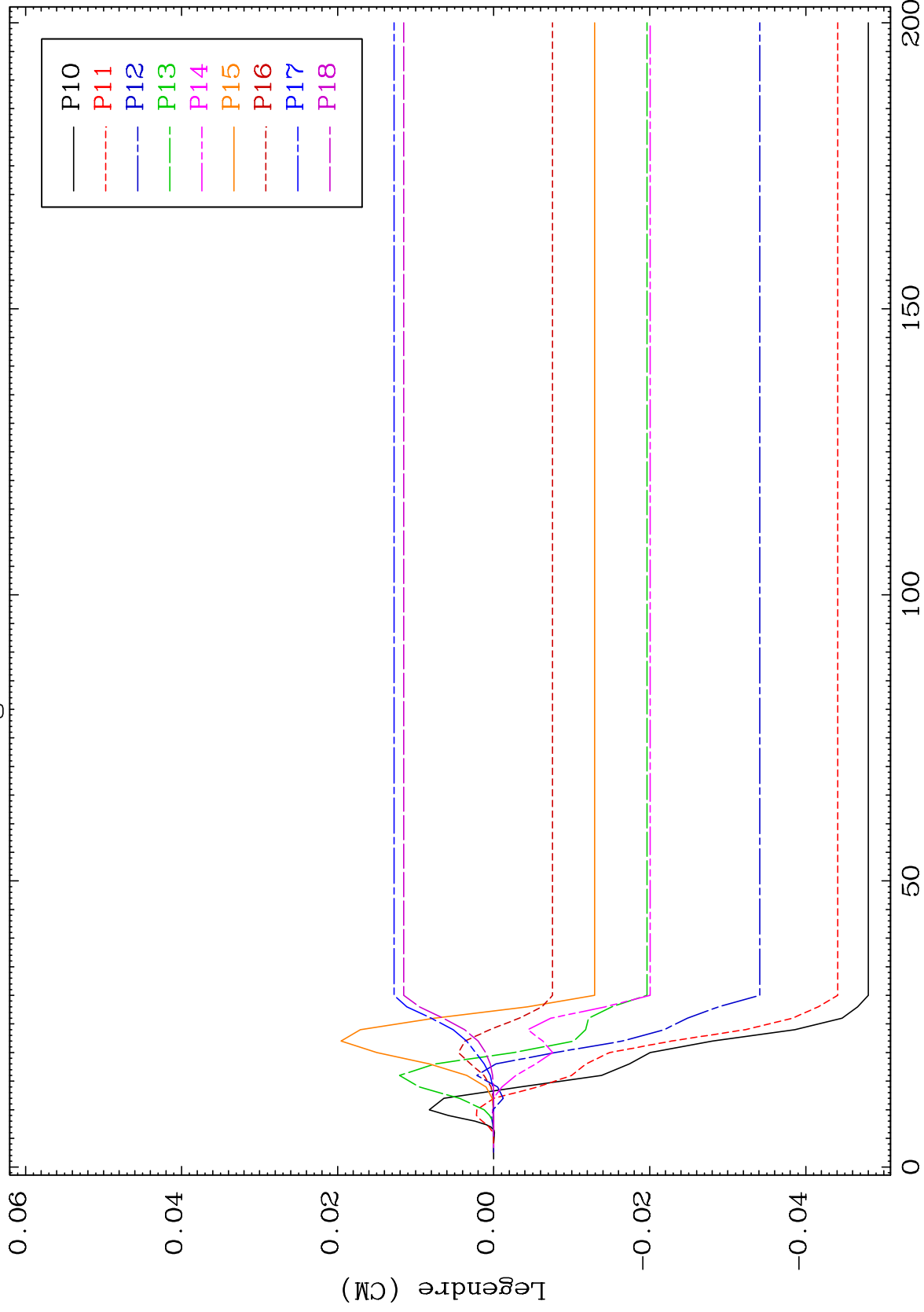
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



32

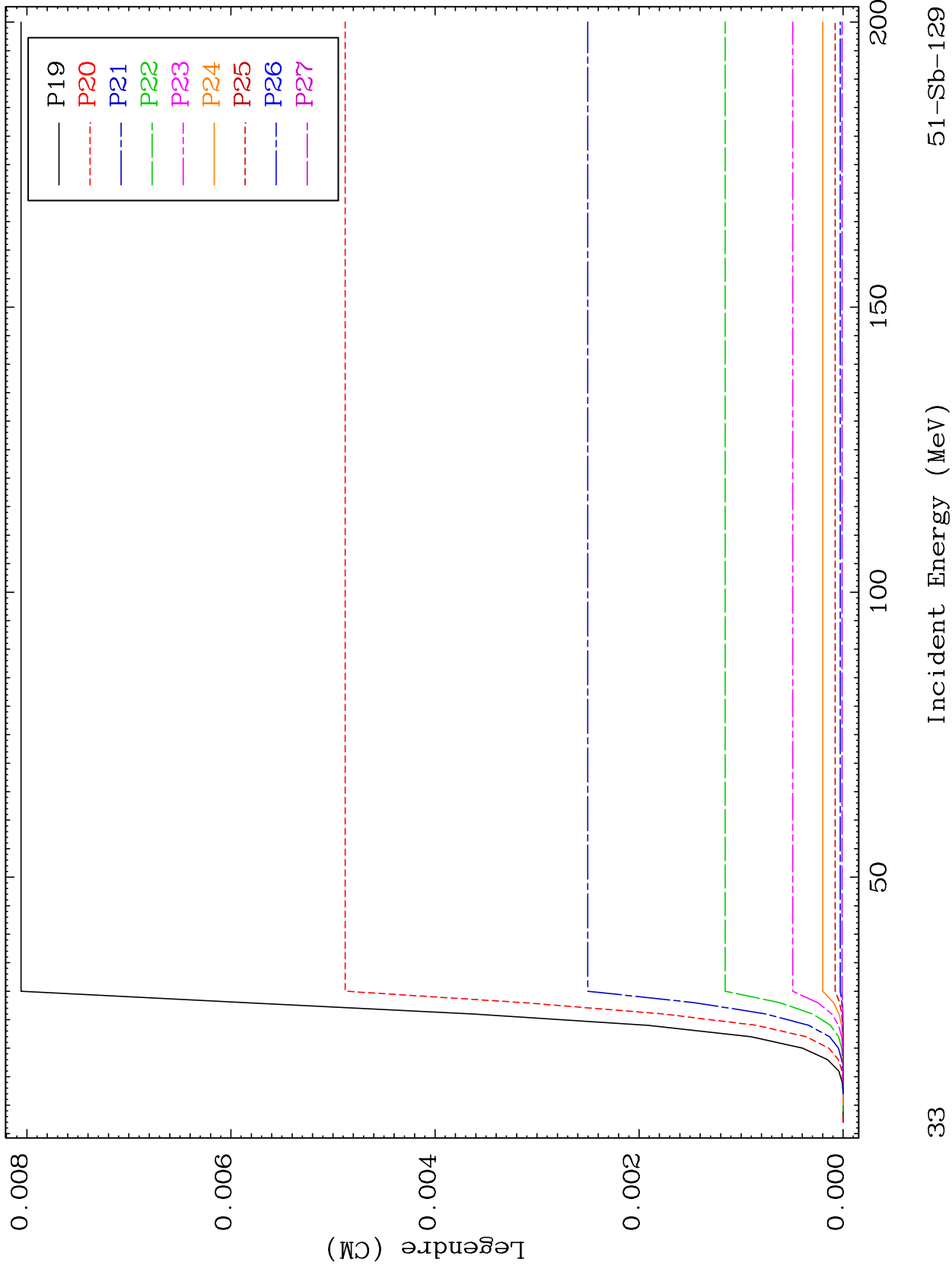
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



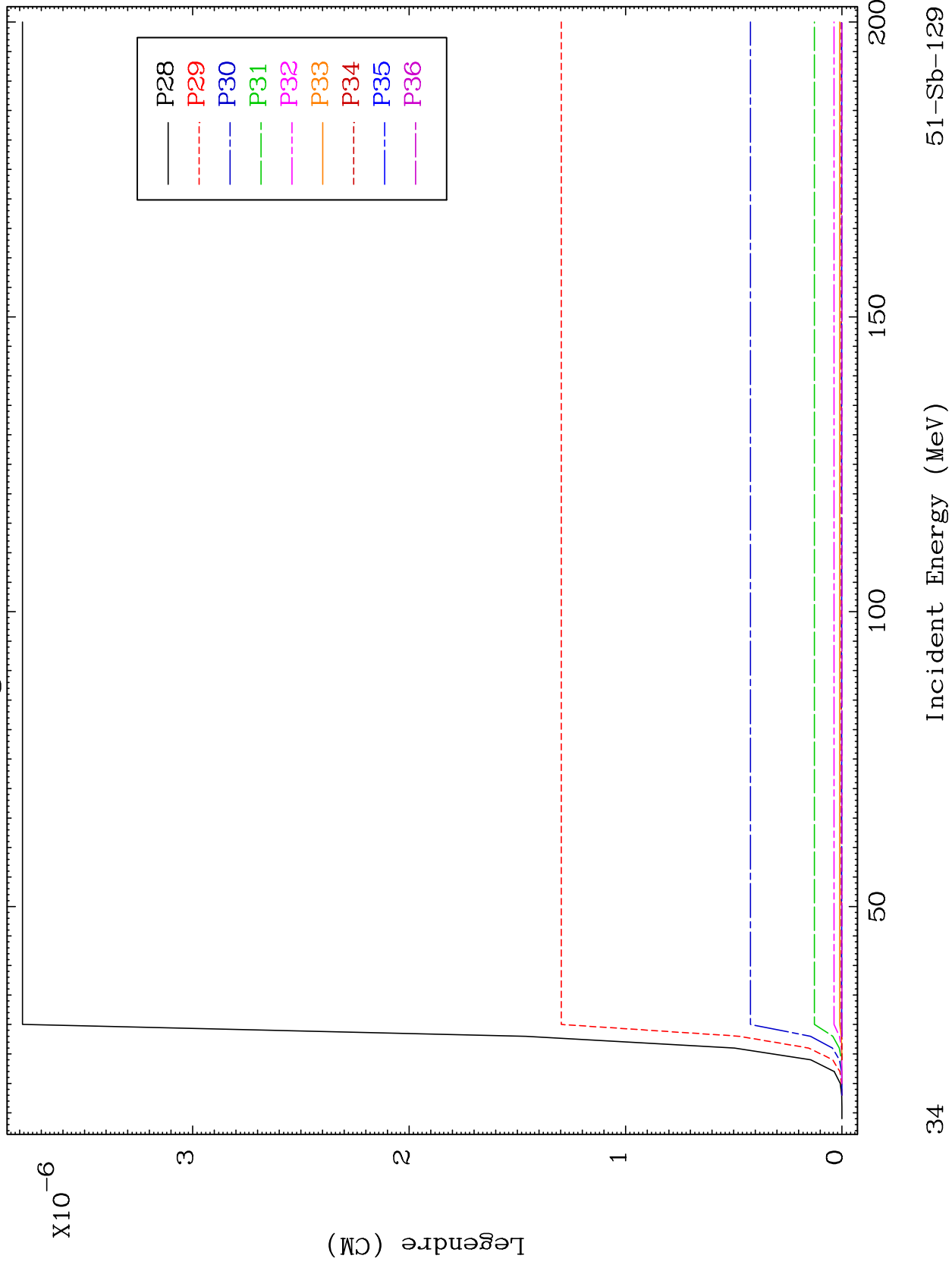
33

51-Sb-129

MAT 5149

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

51-Sb-129

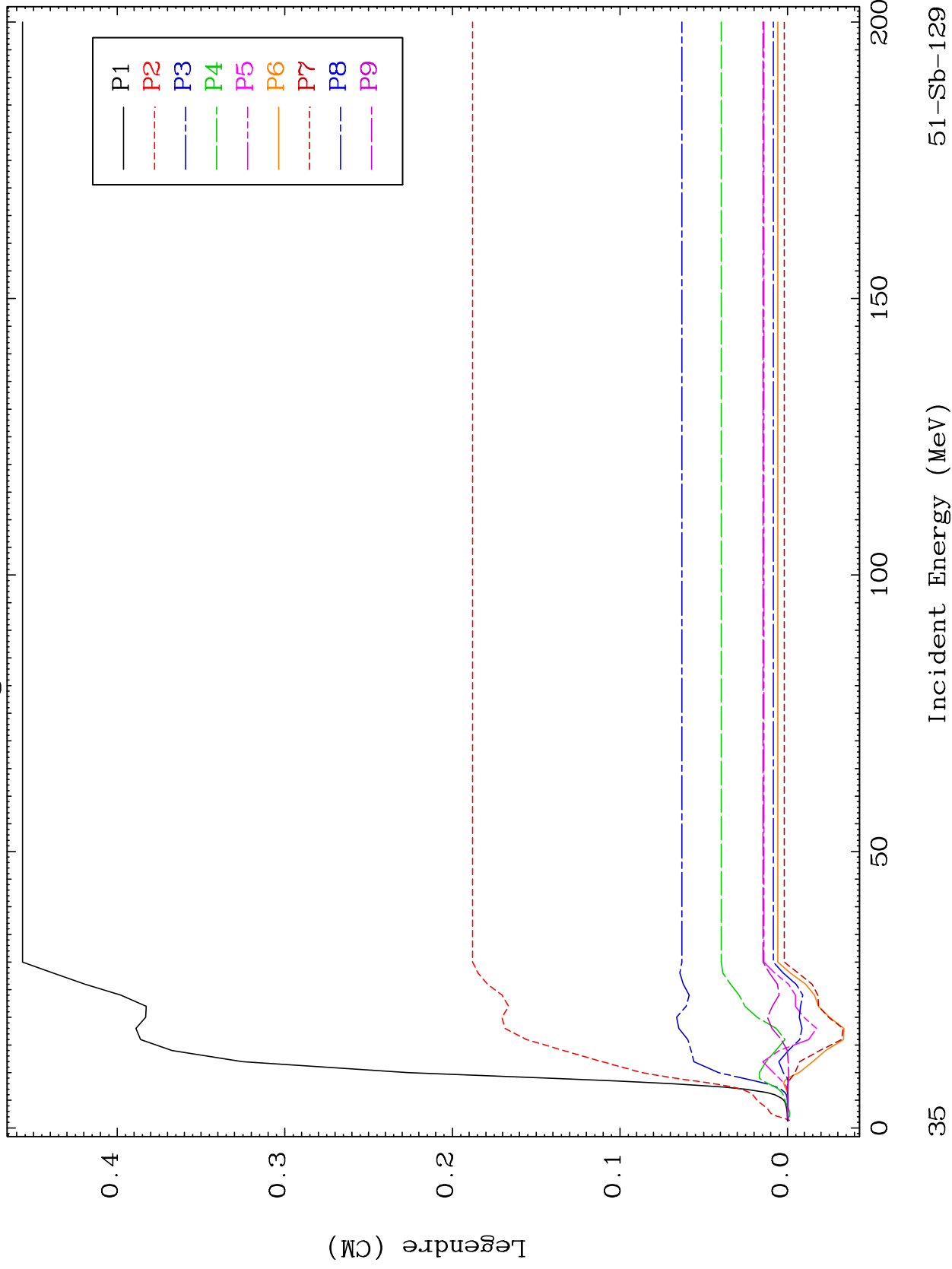


34

MAT 5149

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

51-Sb-129



51-Sb-129

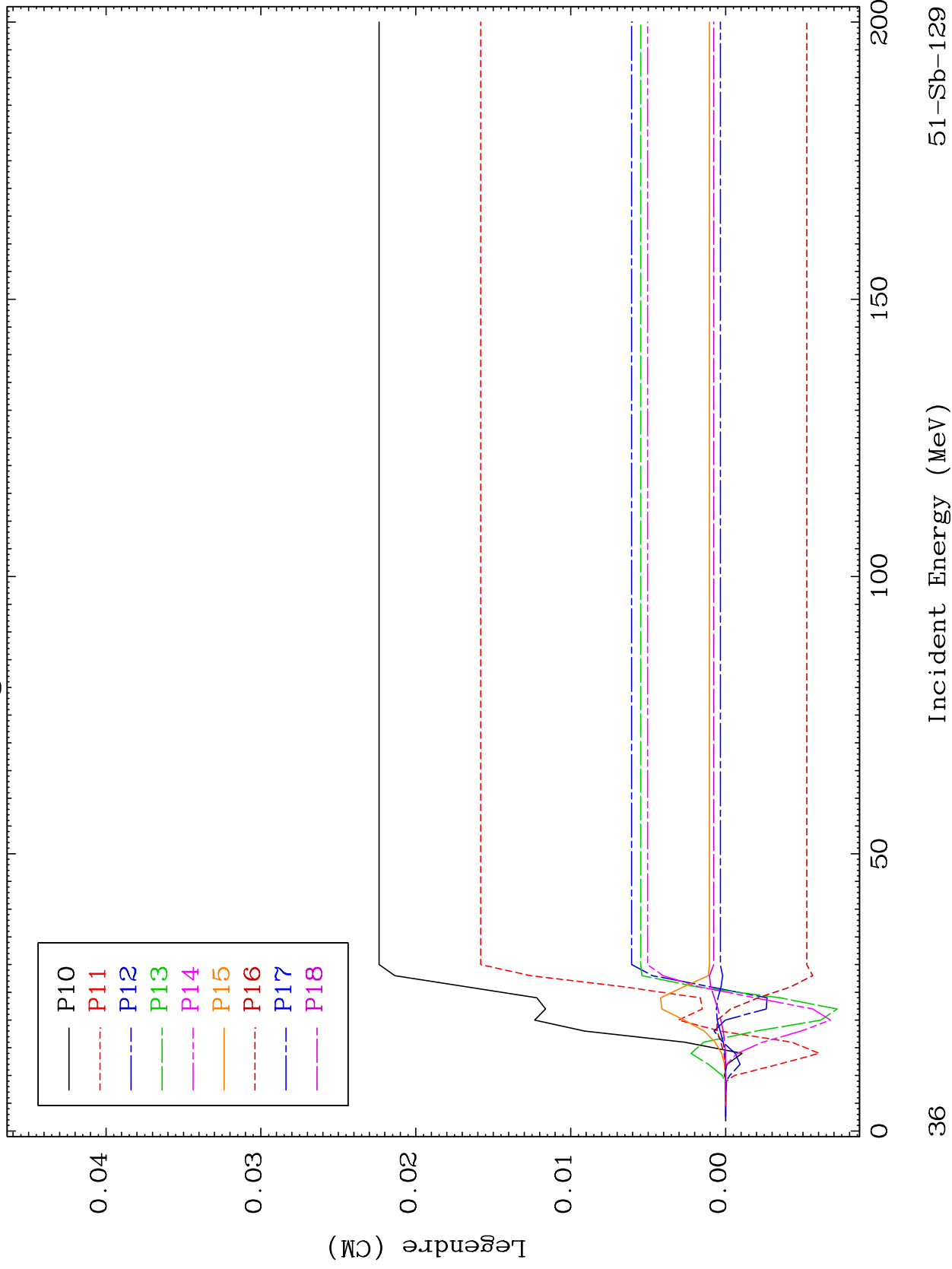
Incident Energy (MeV)

35

MAT 5149

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

51-Sb-129



36

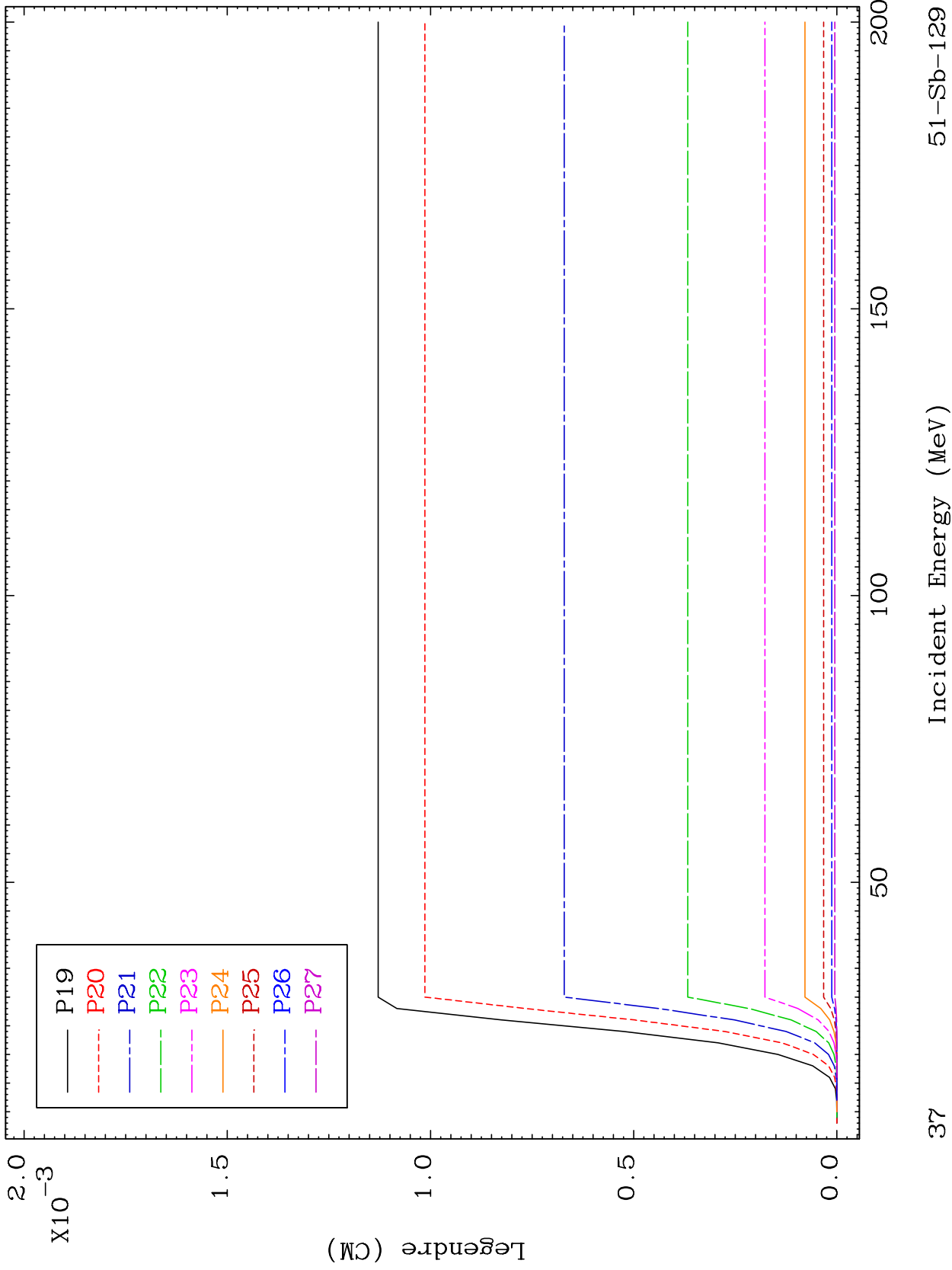
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



37

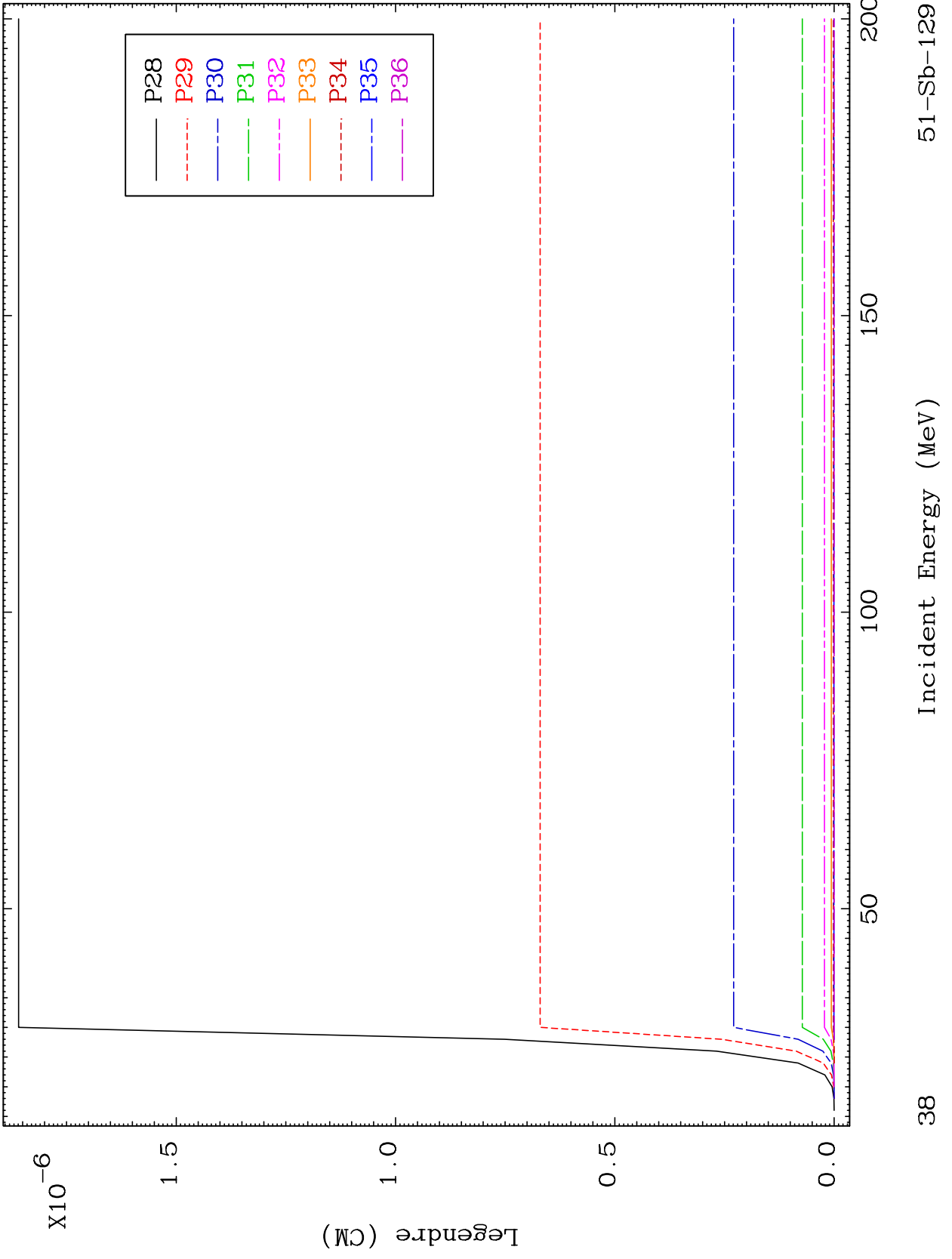
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



38

Incident Energy (MeV)

51-Sb-129

200

150

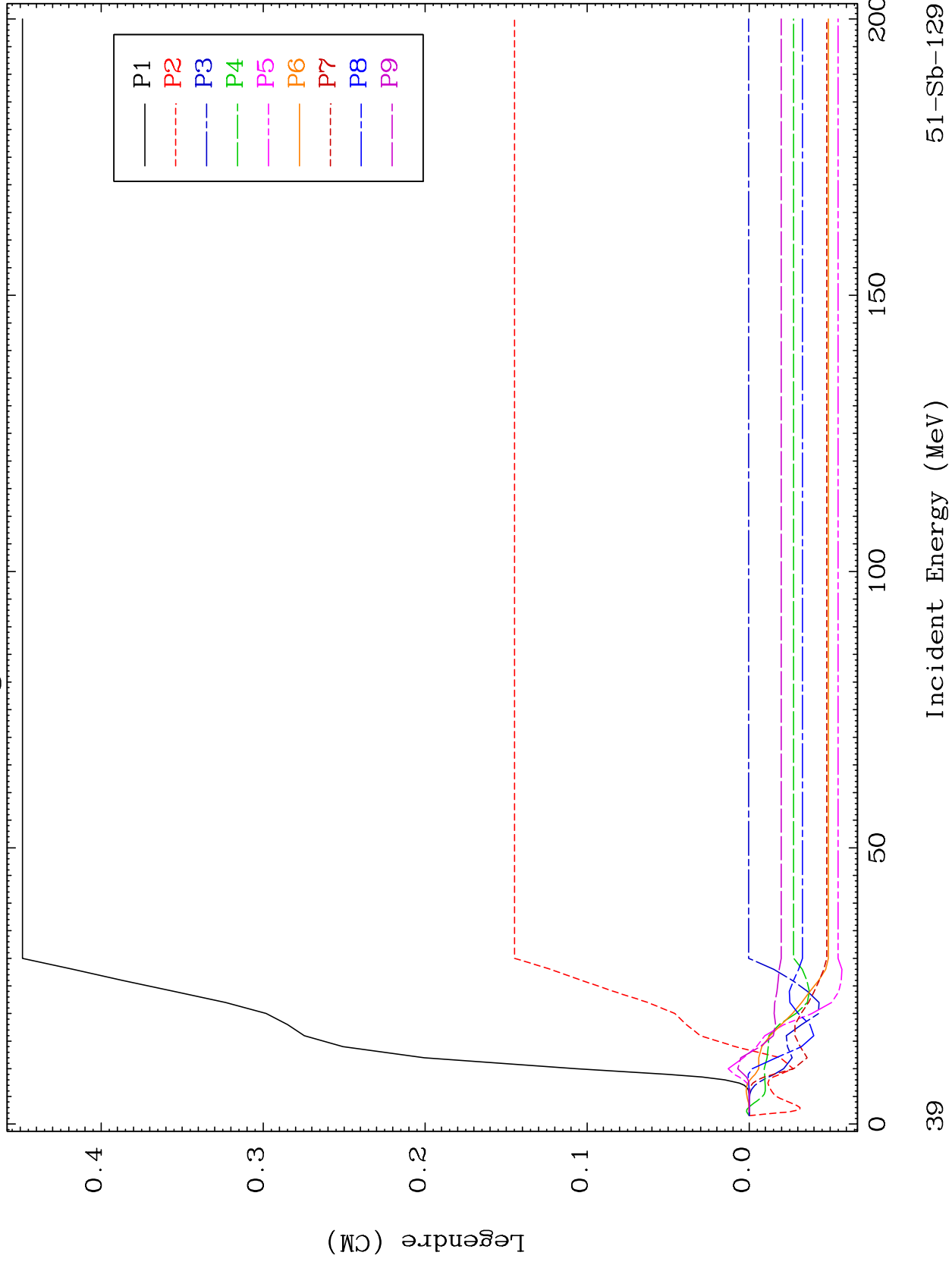
100

50

MAT 5149

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

51-Sb-129



51-Sb-129

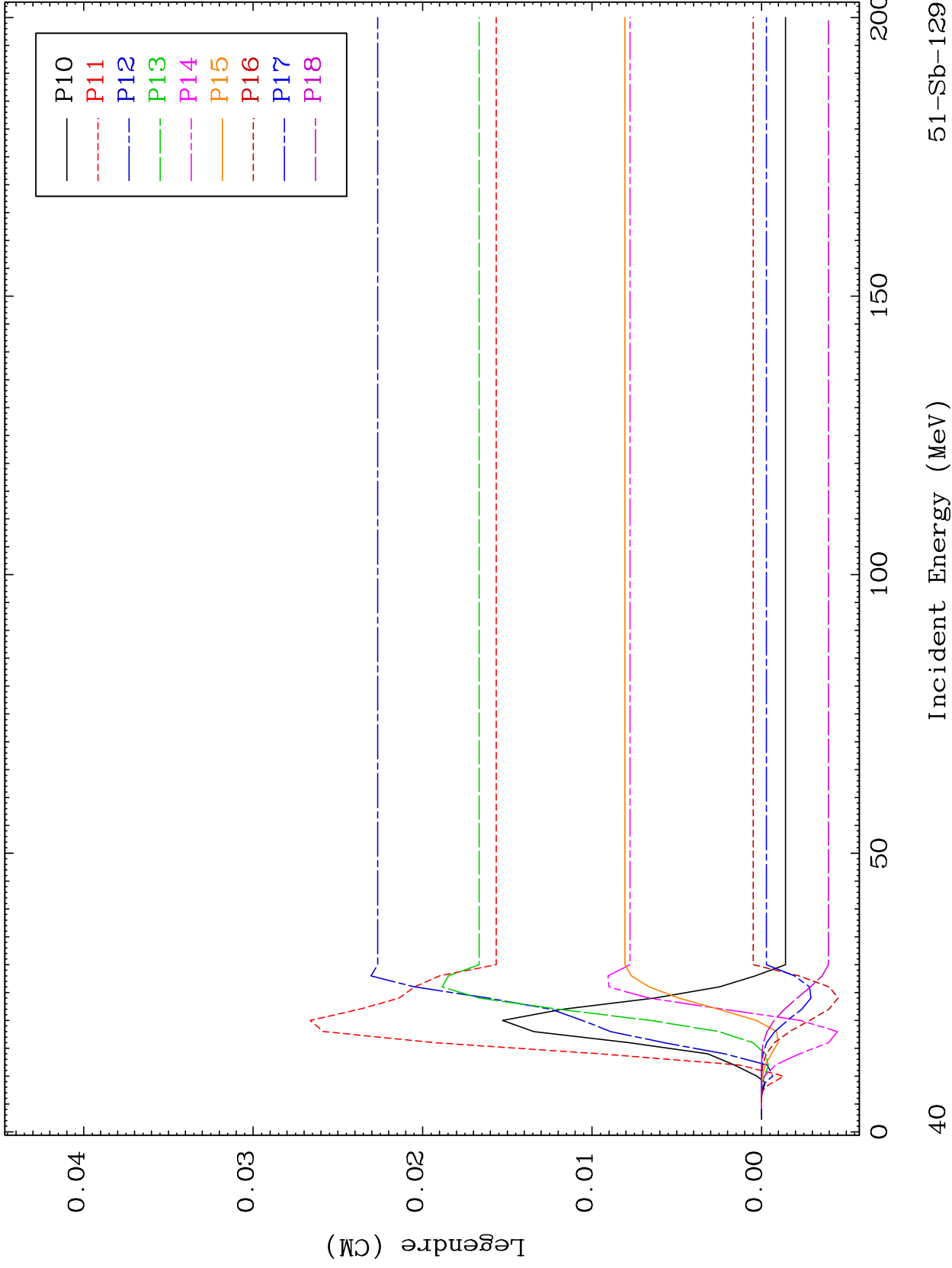
Incident Energy (MeV)

39

MAT 5149

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

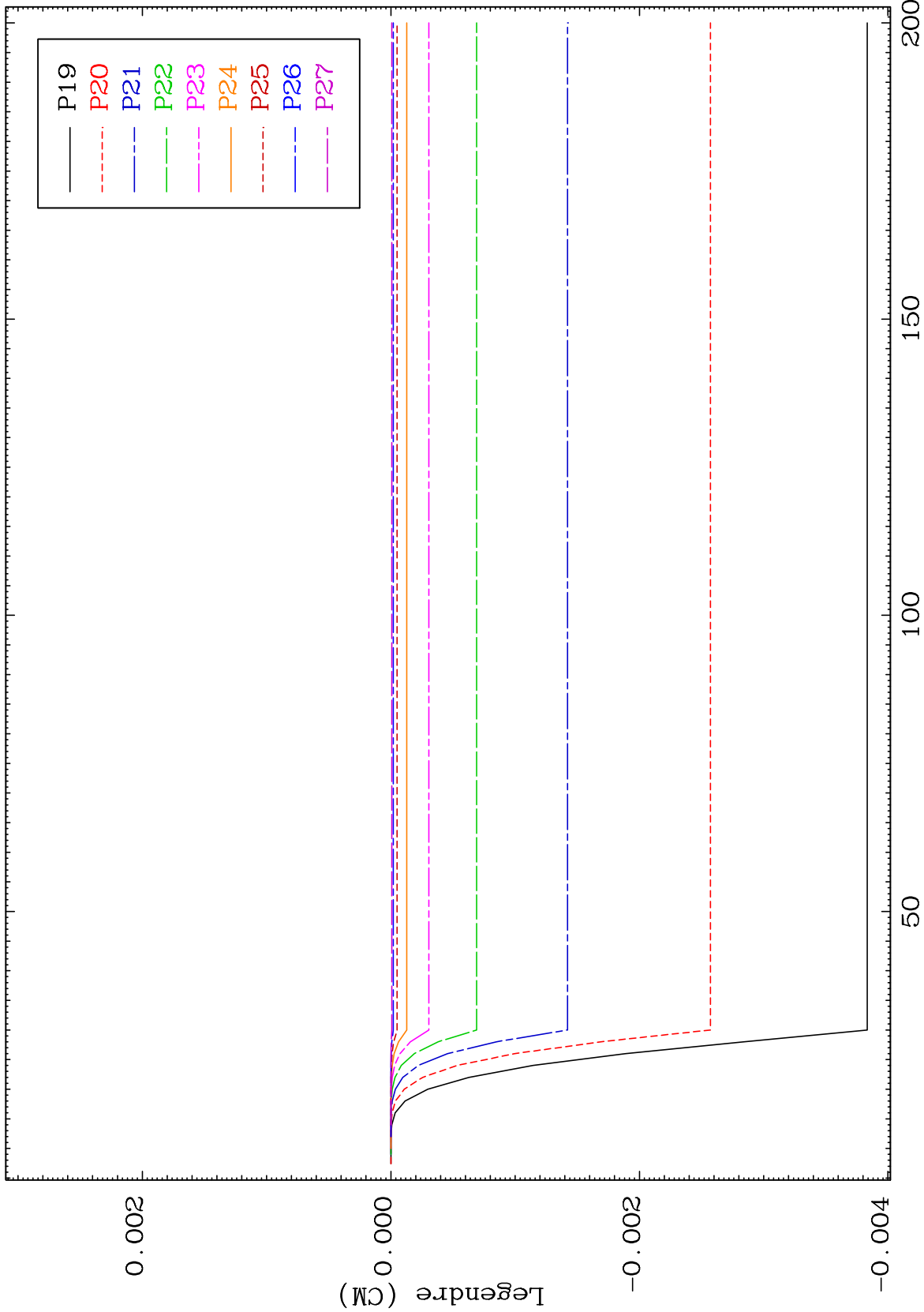
51-Sb-129



MAT 5149

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

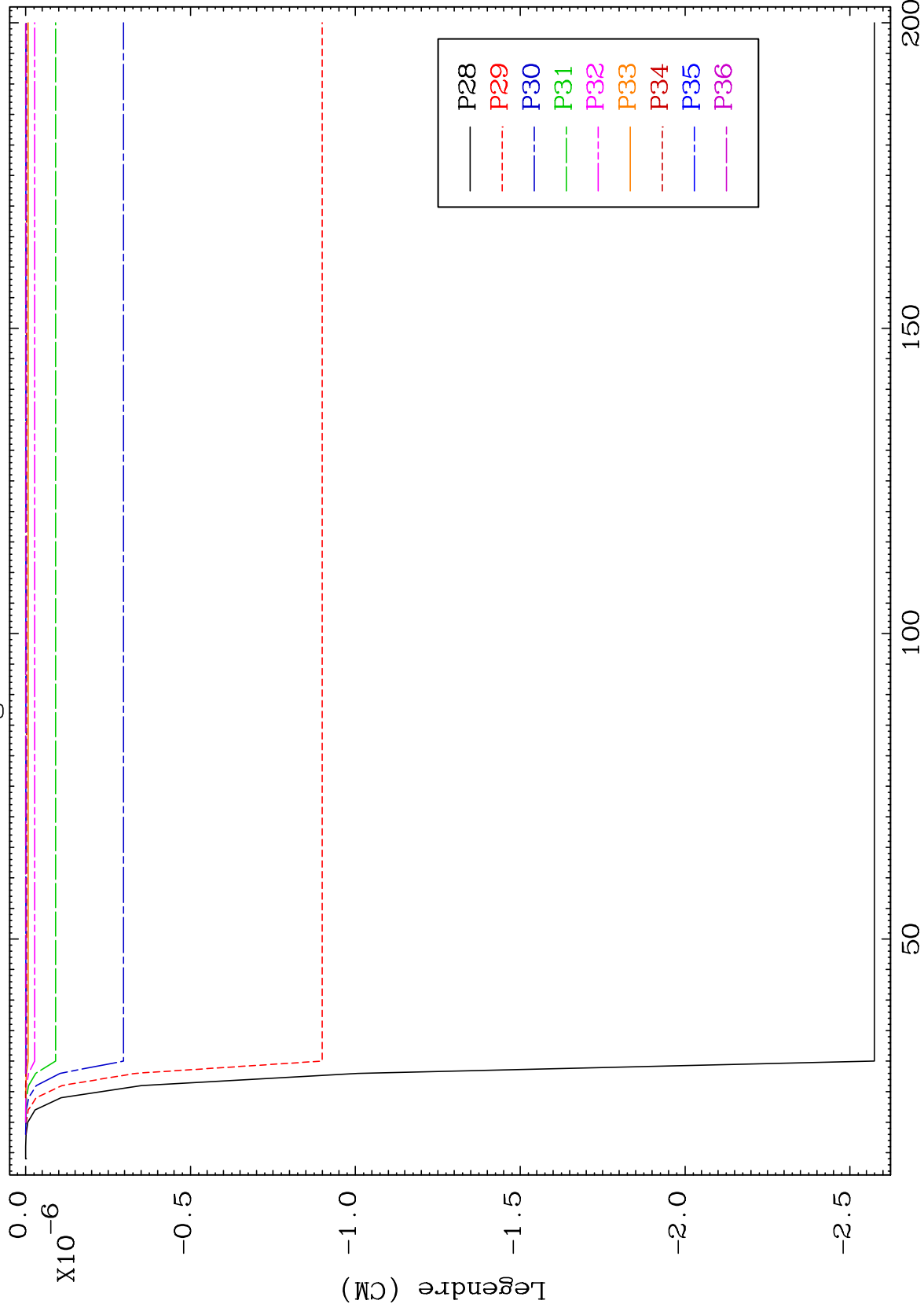
51-Sb-129



MAT 5149

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

51-Sb-129



42

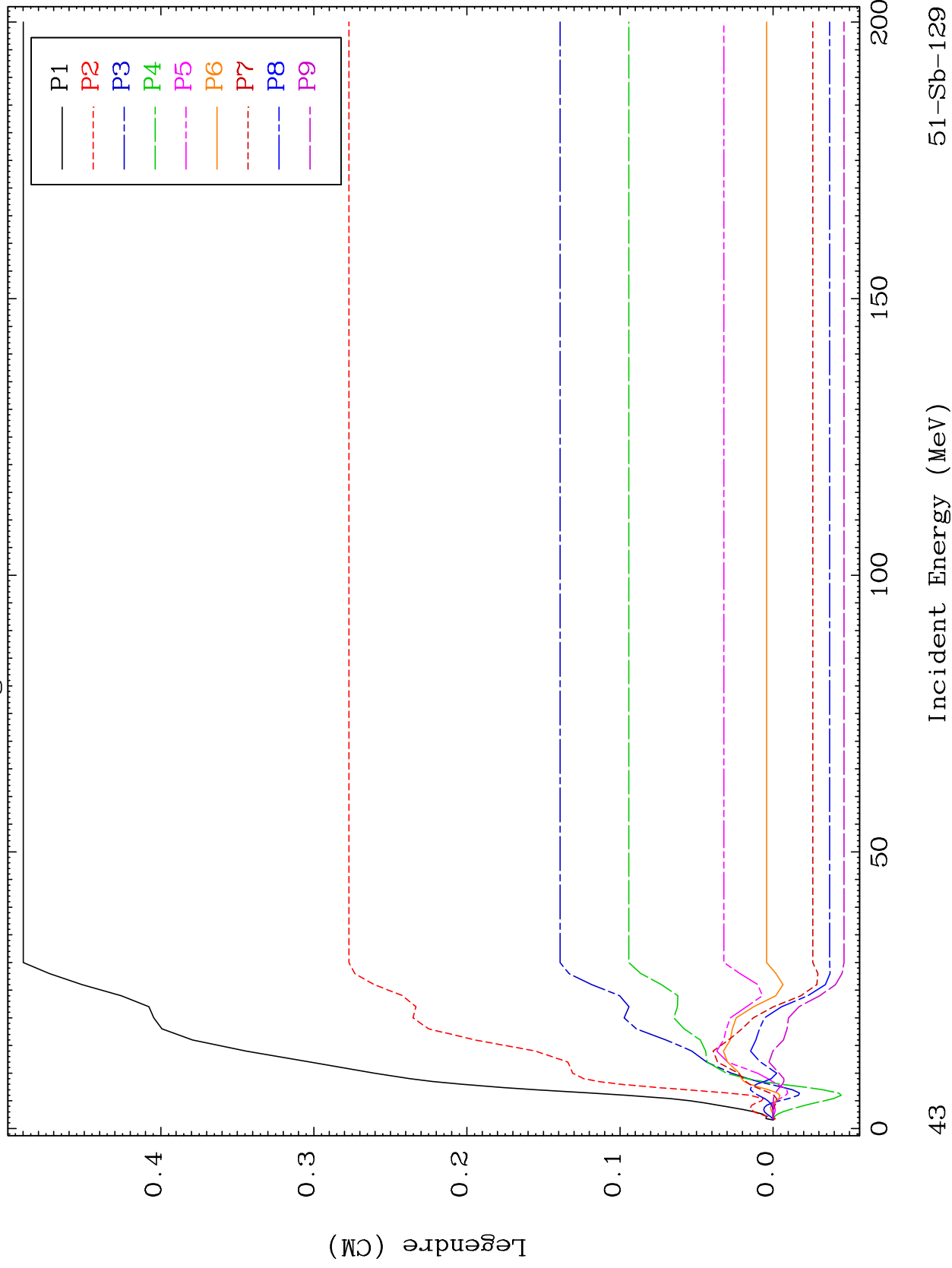
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

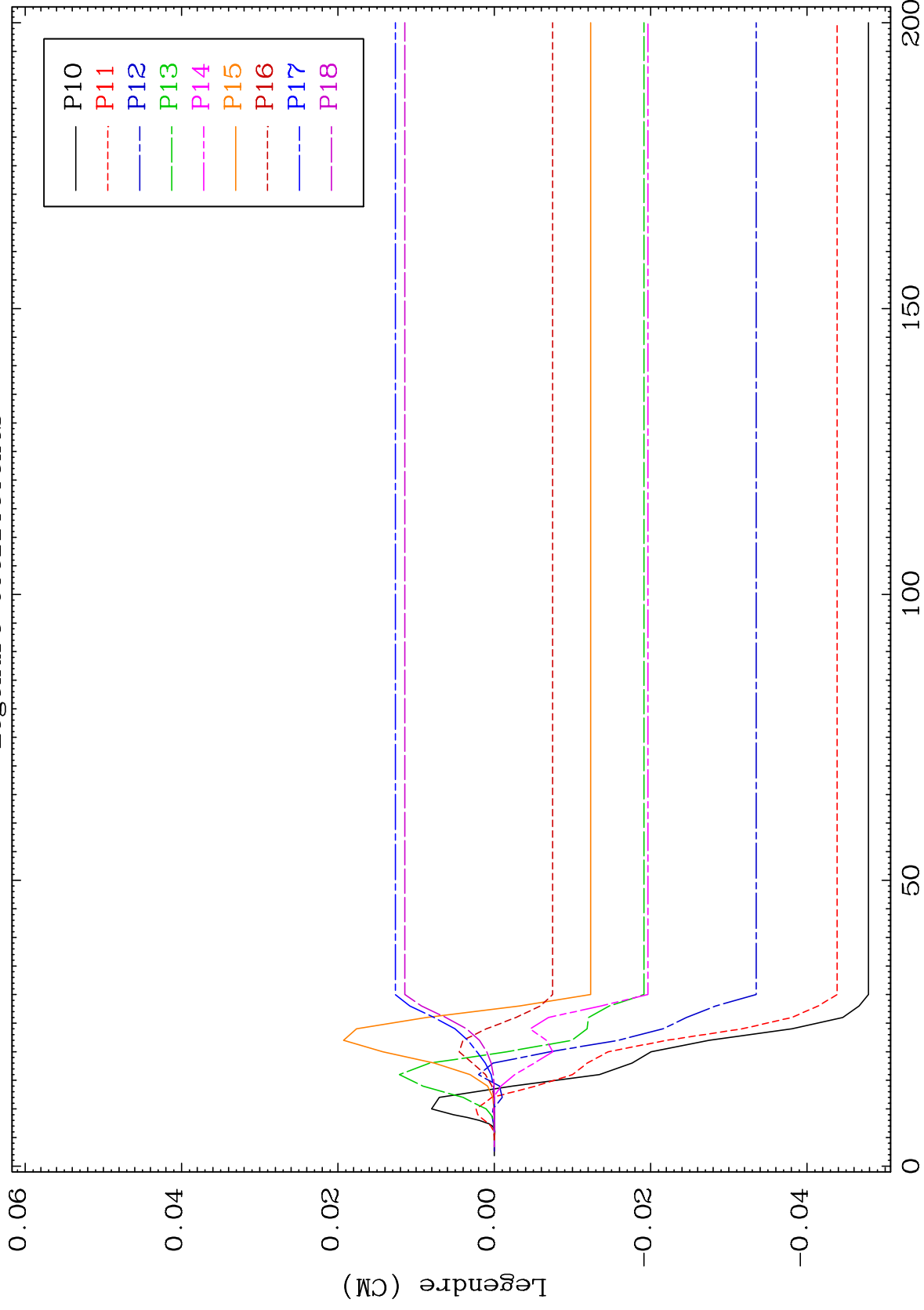
51-Sb-129



MAT 5149

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

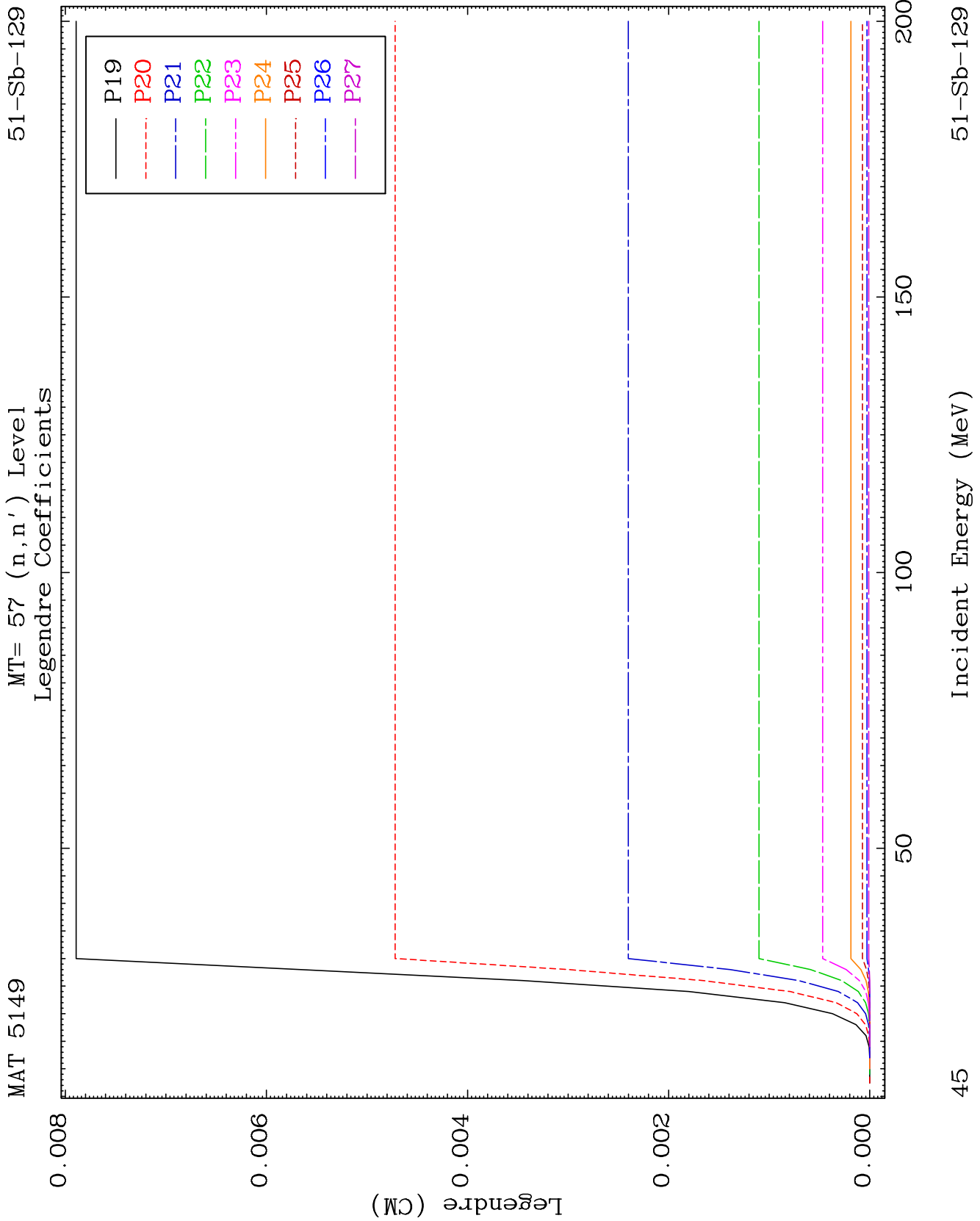
51-Sb-129



44

Incident Energy (MeV)

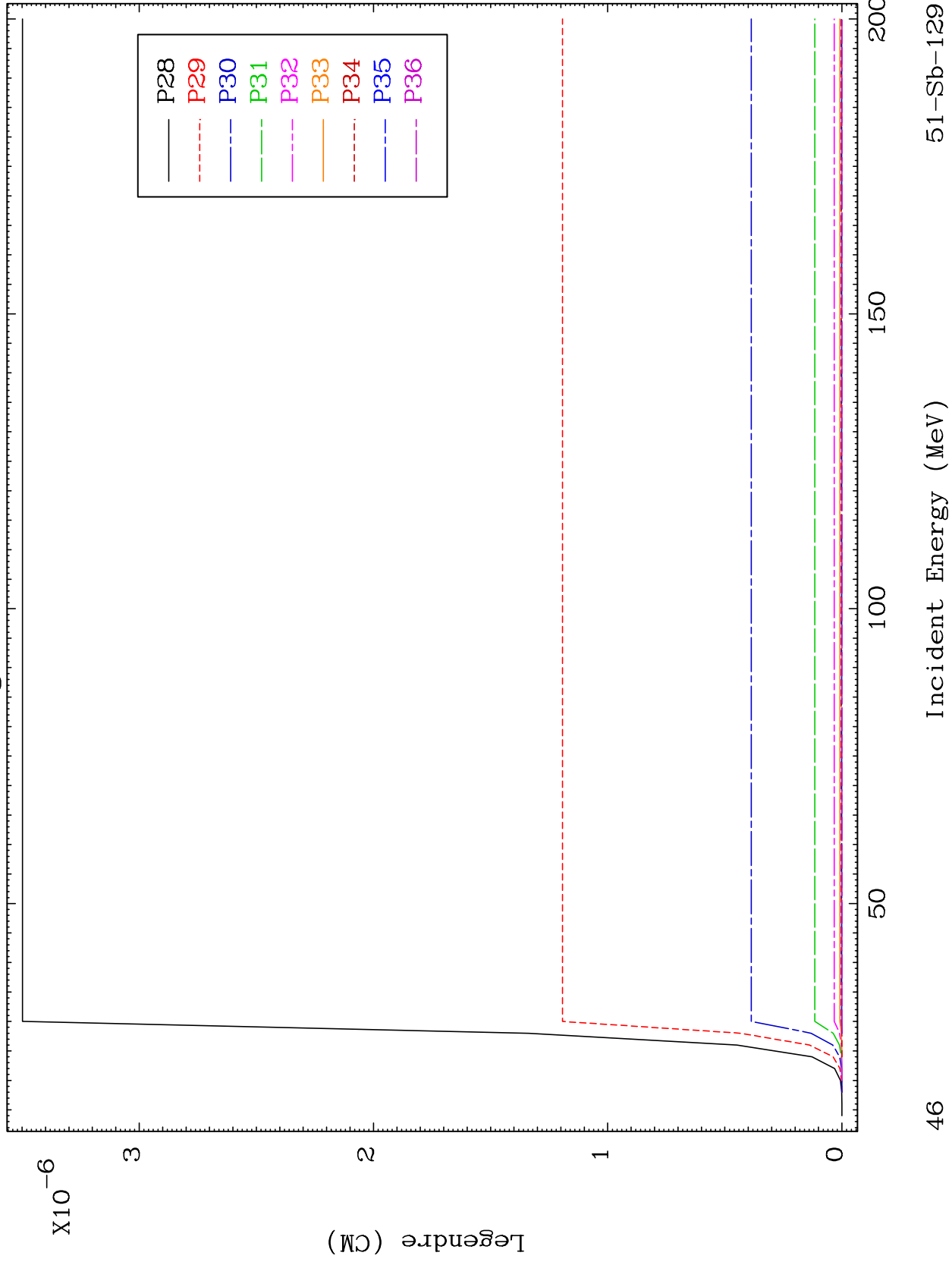
51-Sb-129



MAT 5149

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

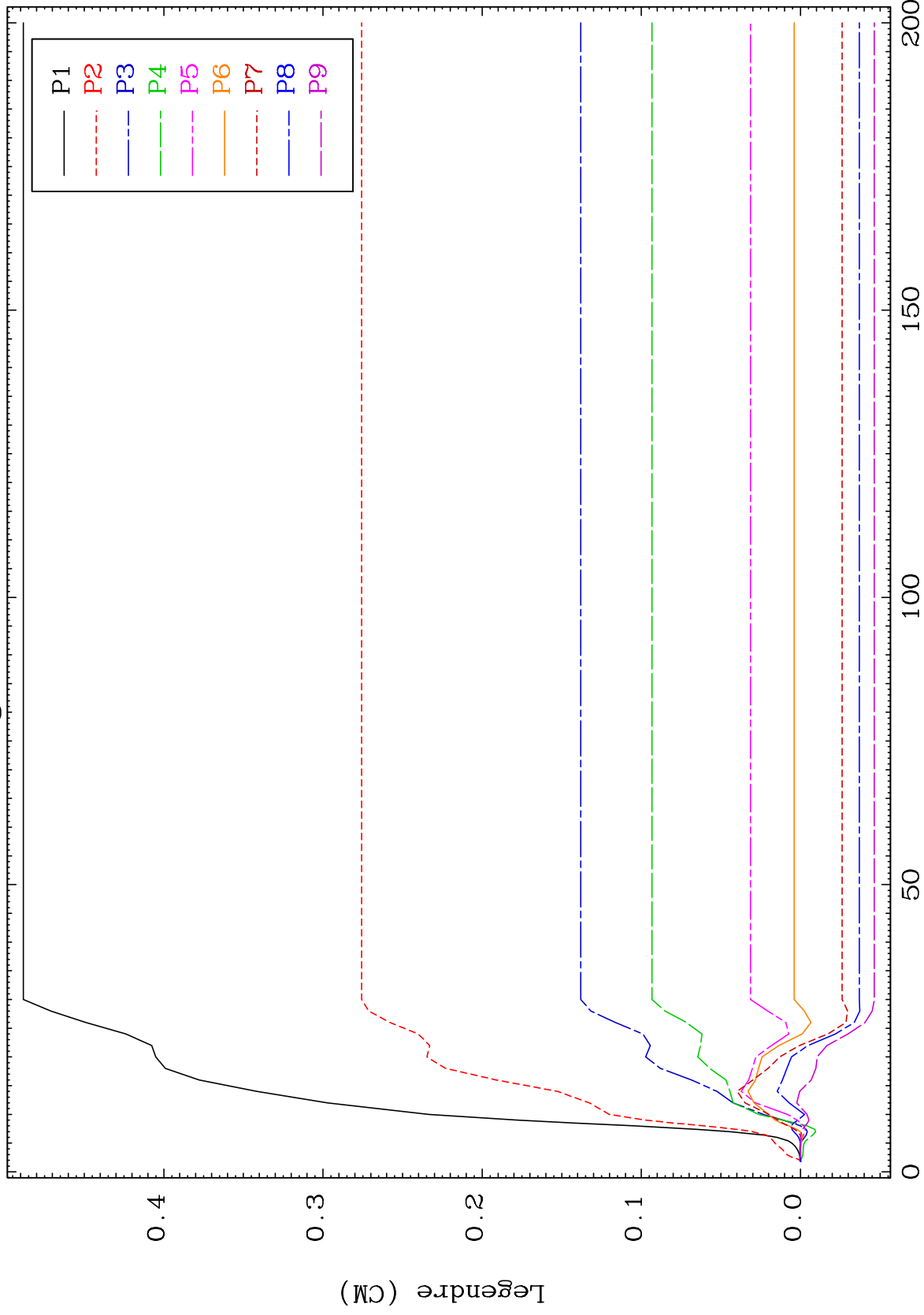
51-Sb-129



MAT 5149

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

51-Sb-129



47

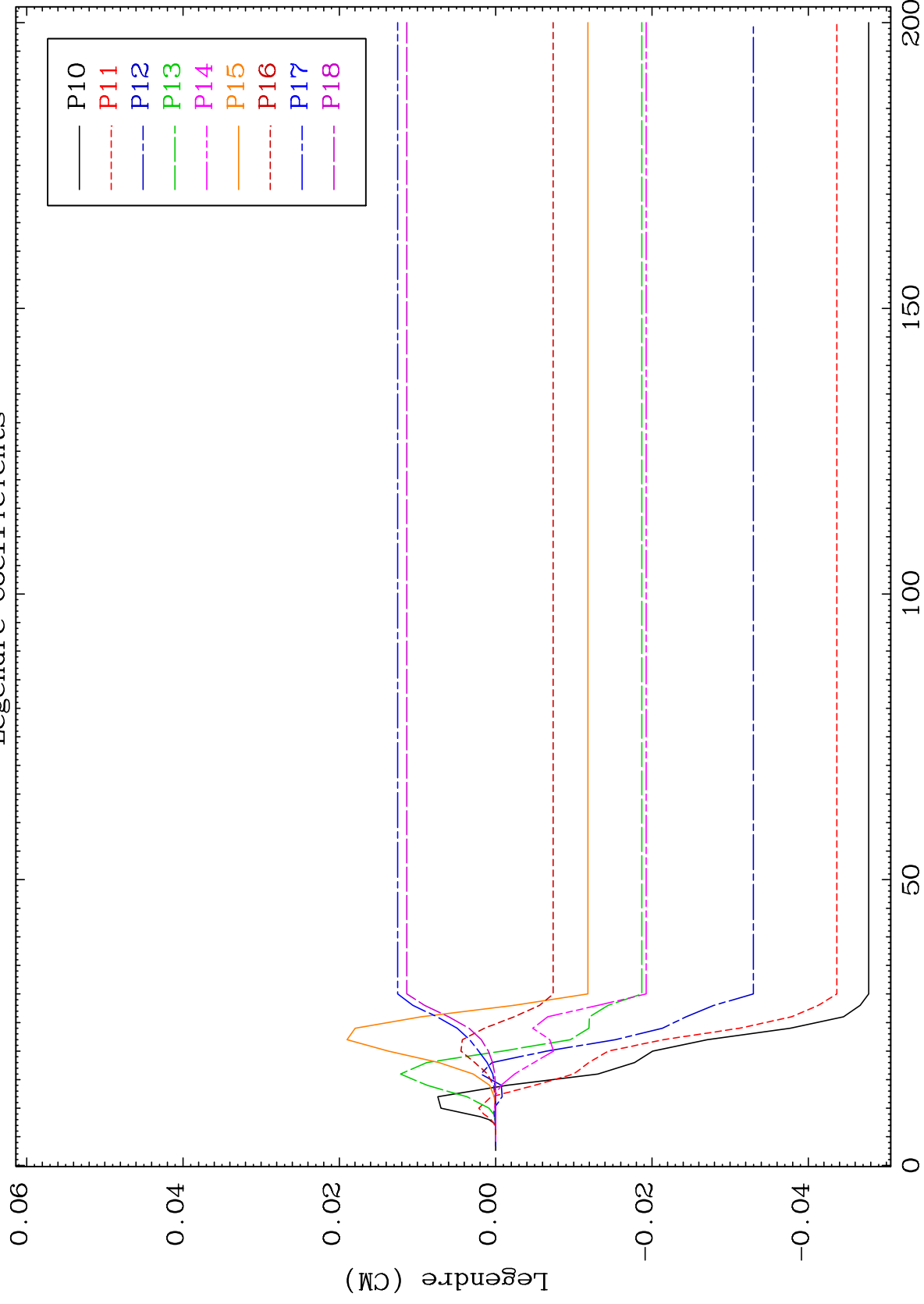
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



48

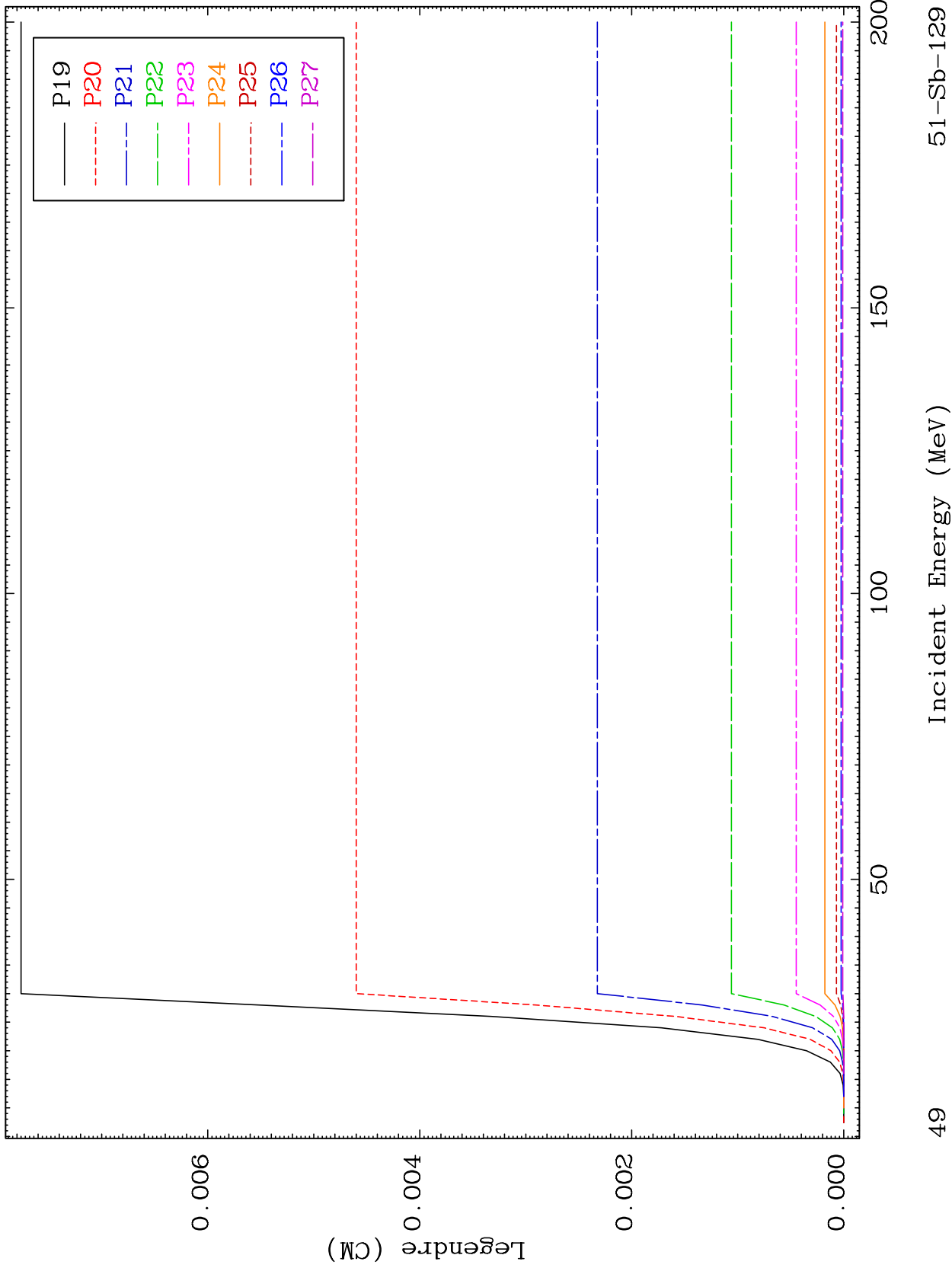
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



49

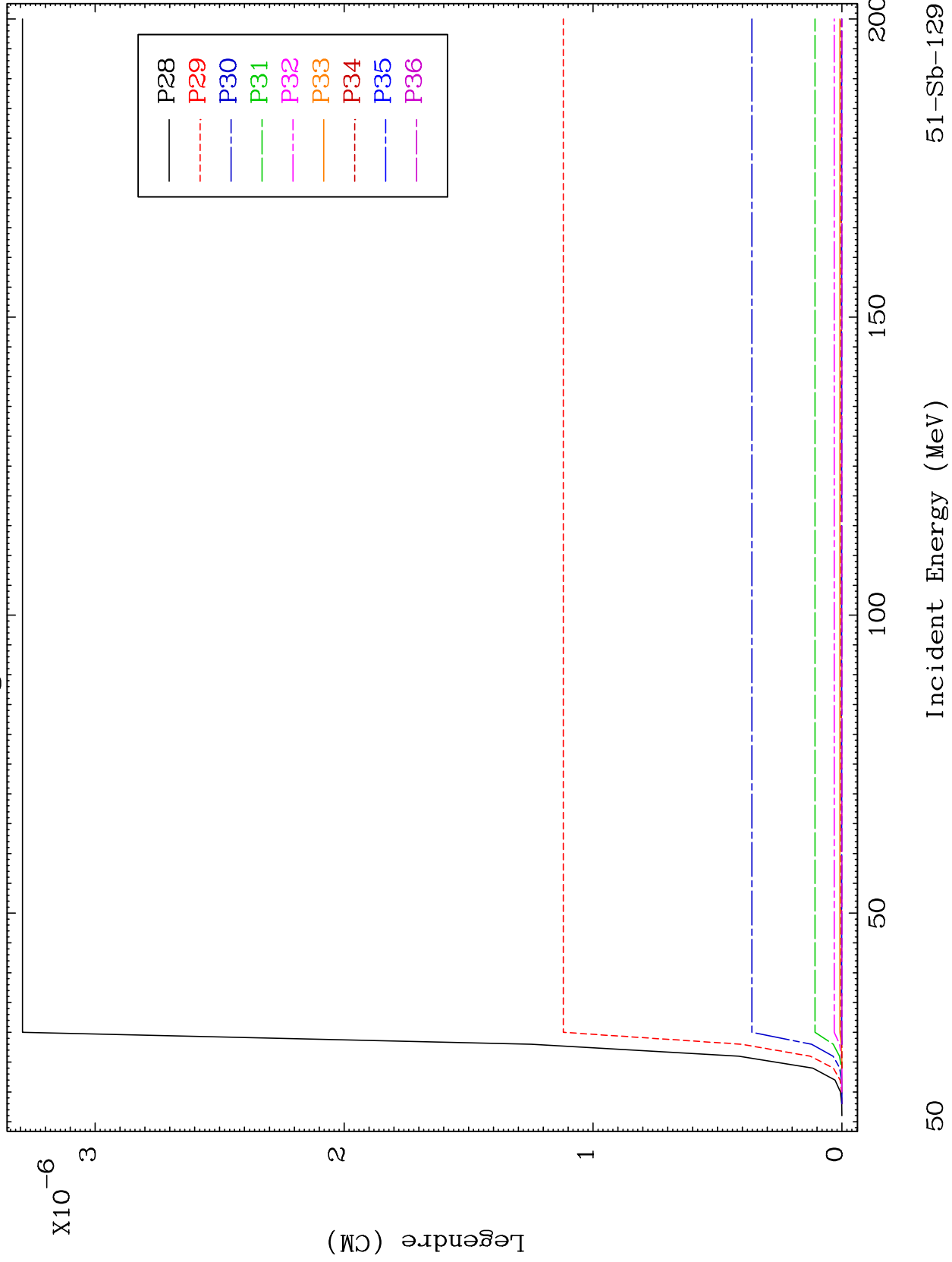
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

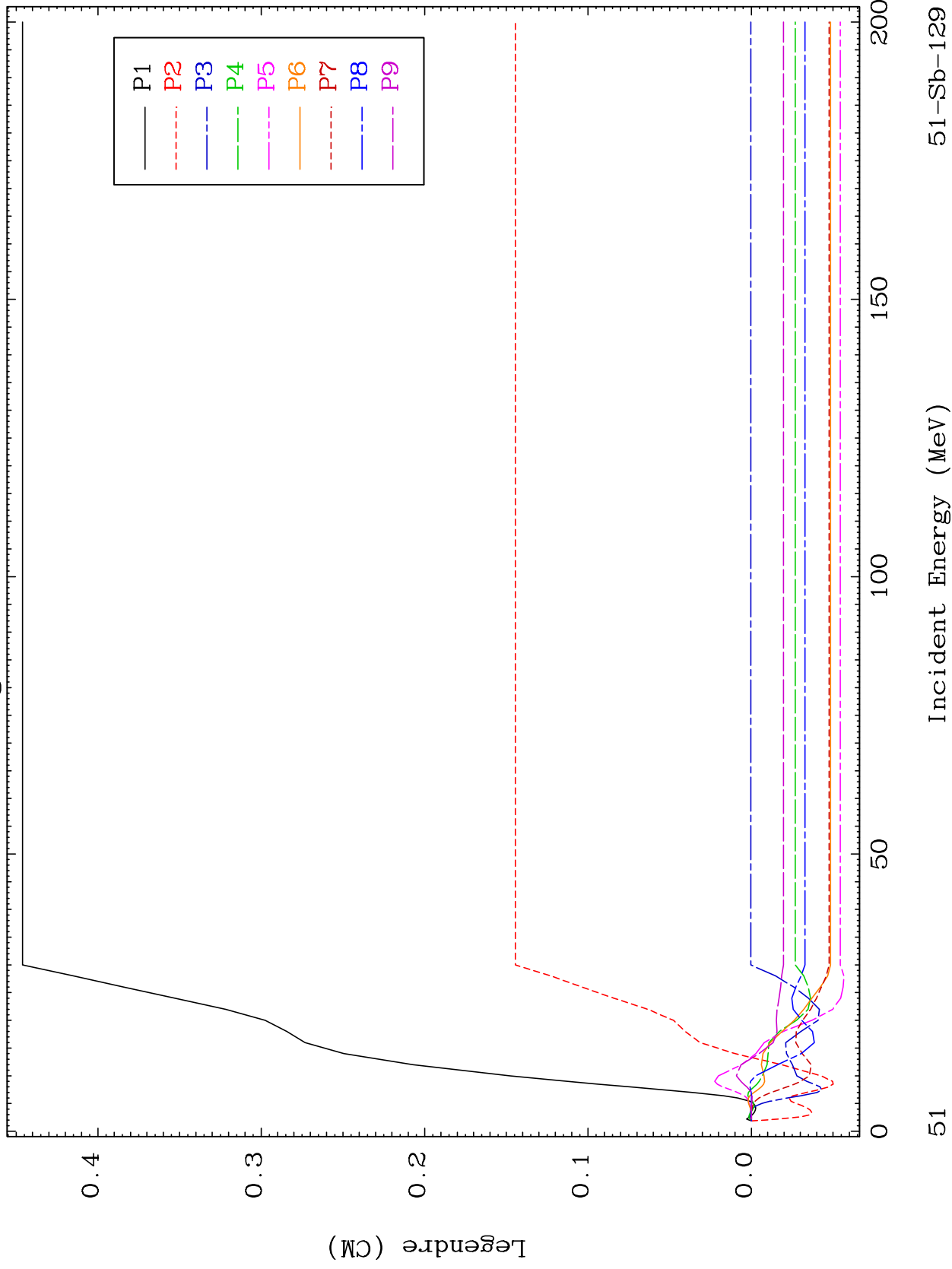
51-Sb-129



MAT 5149

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

51-Sb-129



51-Sb-129

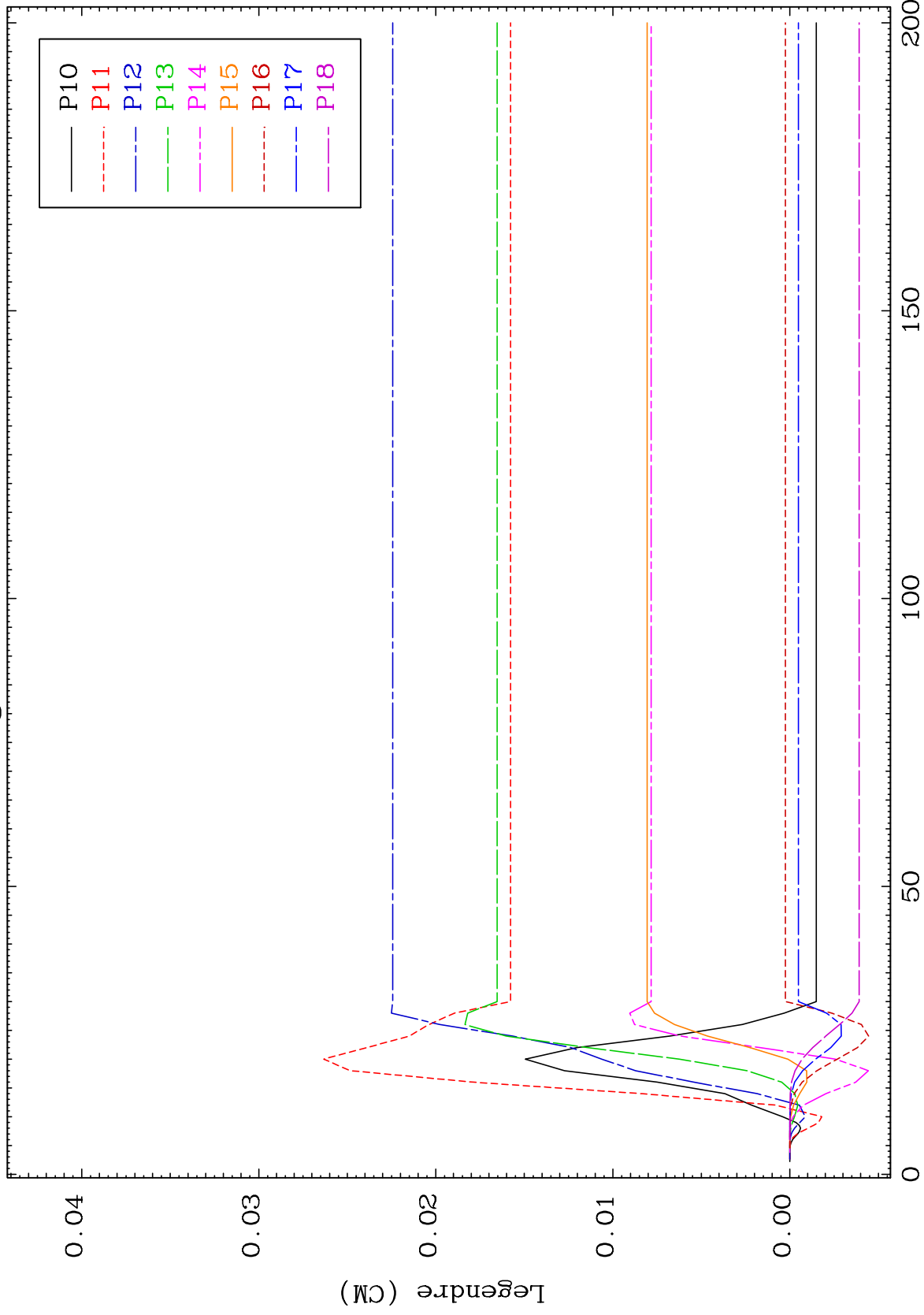
Incident Energy (MeV)

51

MAT 5149

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

51-Sb-129



52

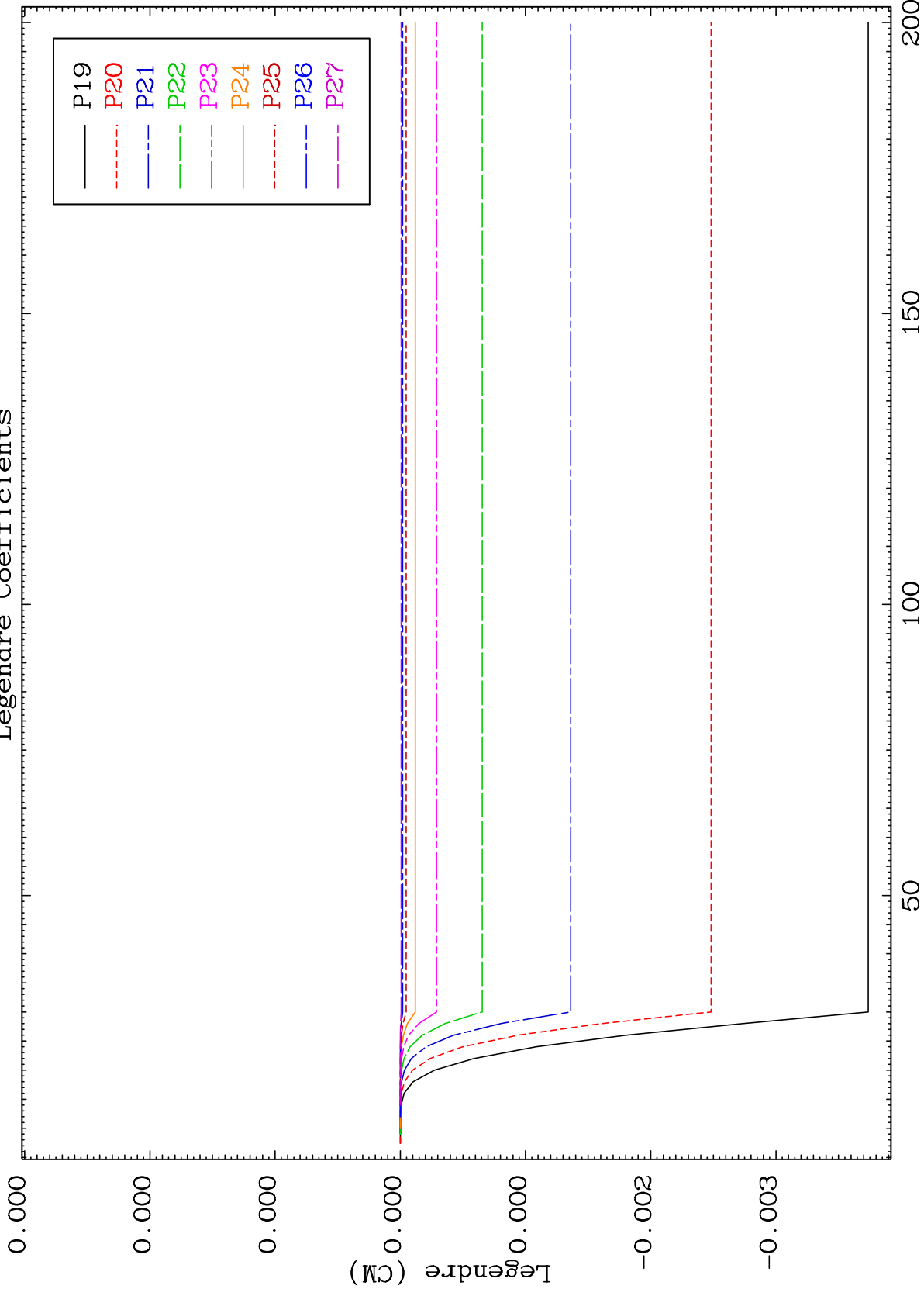
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



53

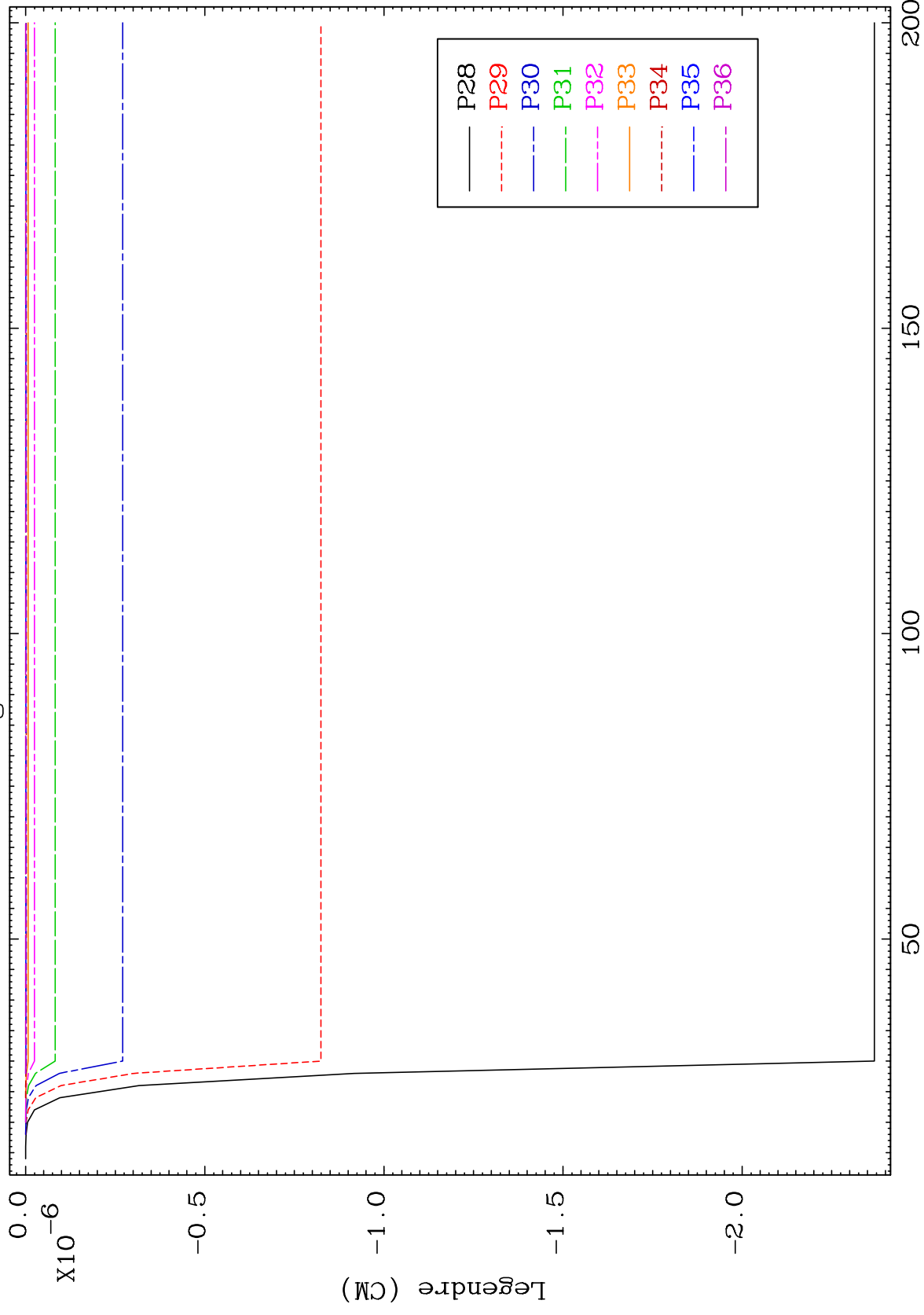
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



54

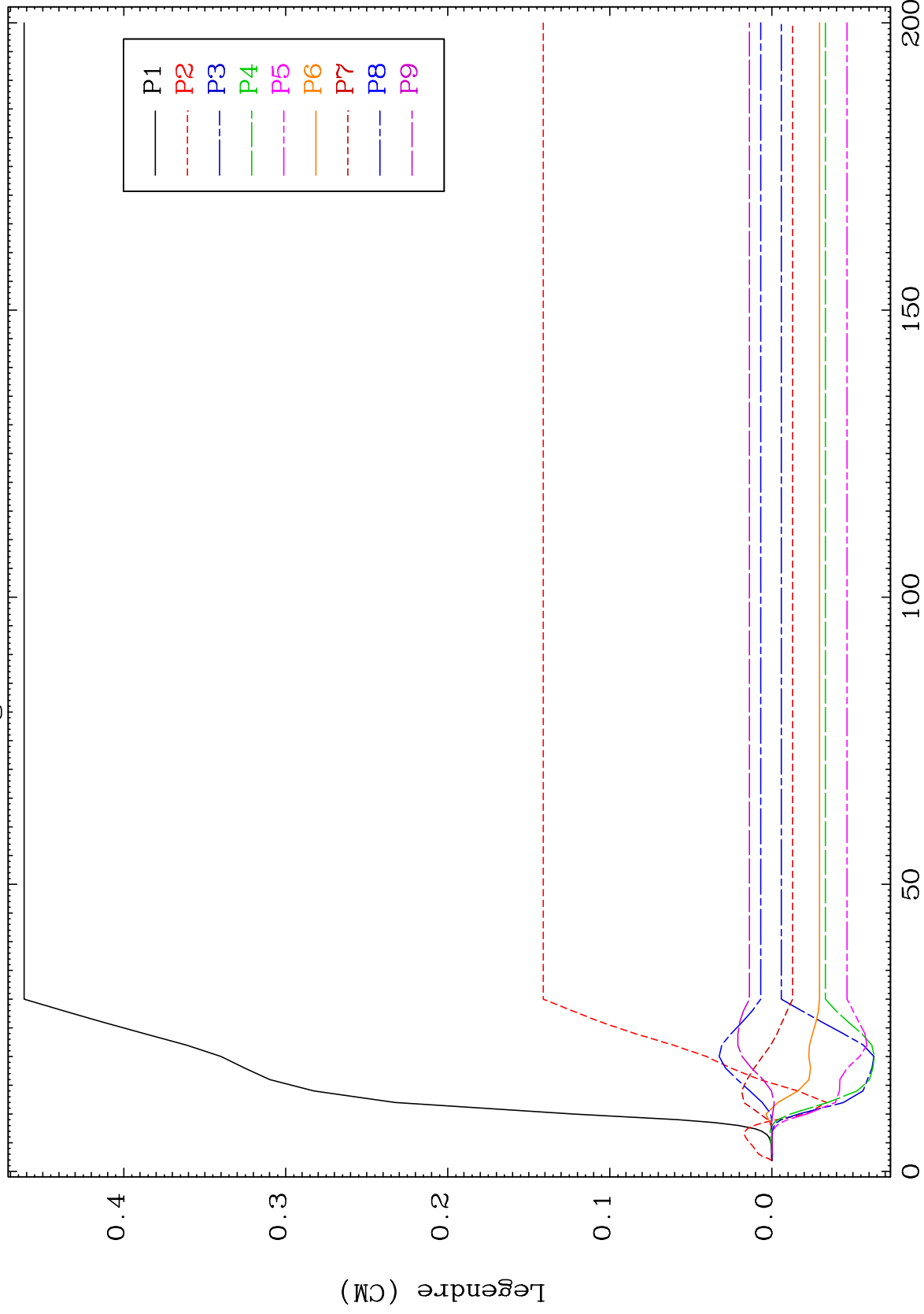
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



51-Sb-129

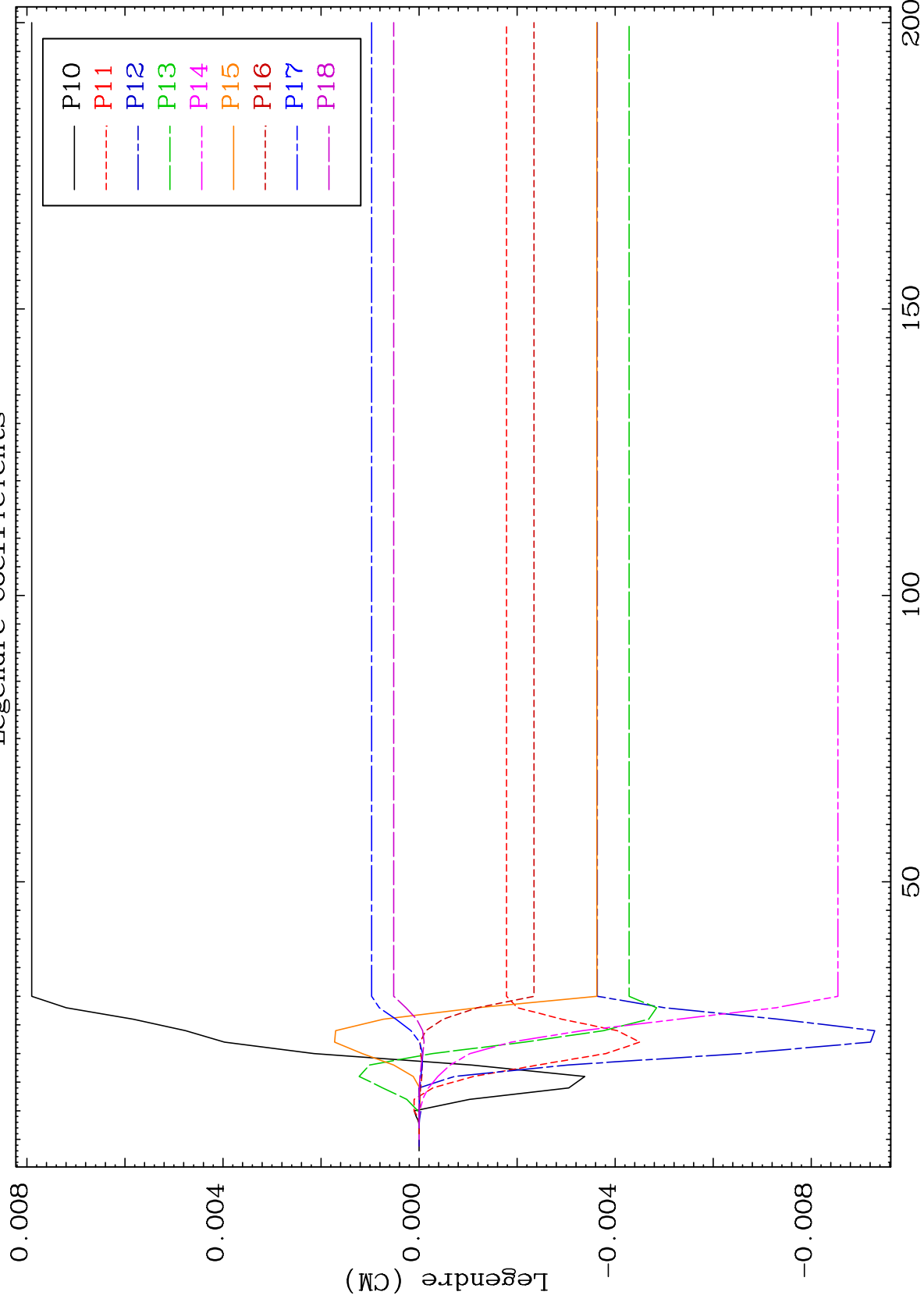
Incident Energy (MeV)

55

MAT 5149

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

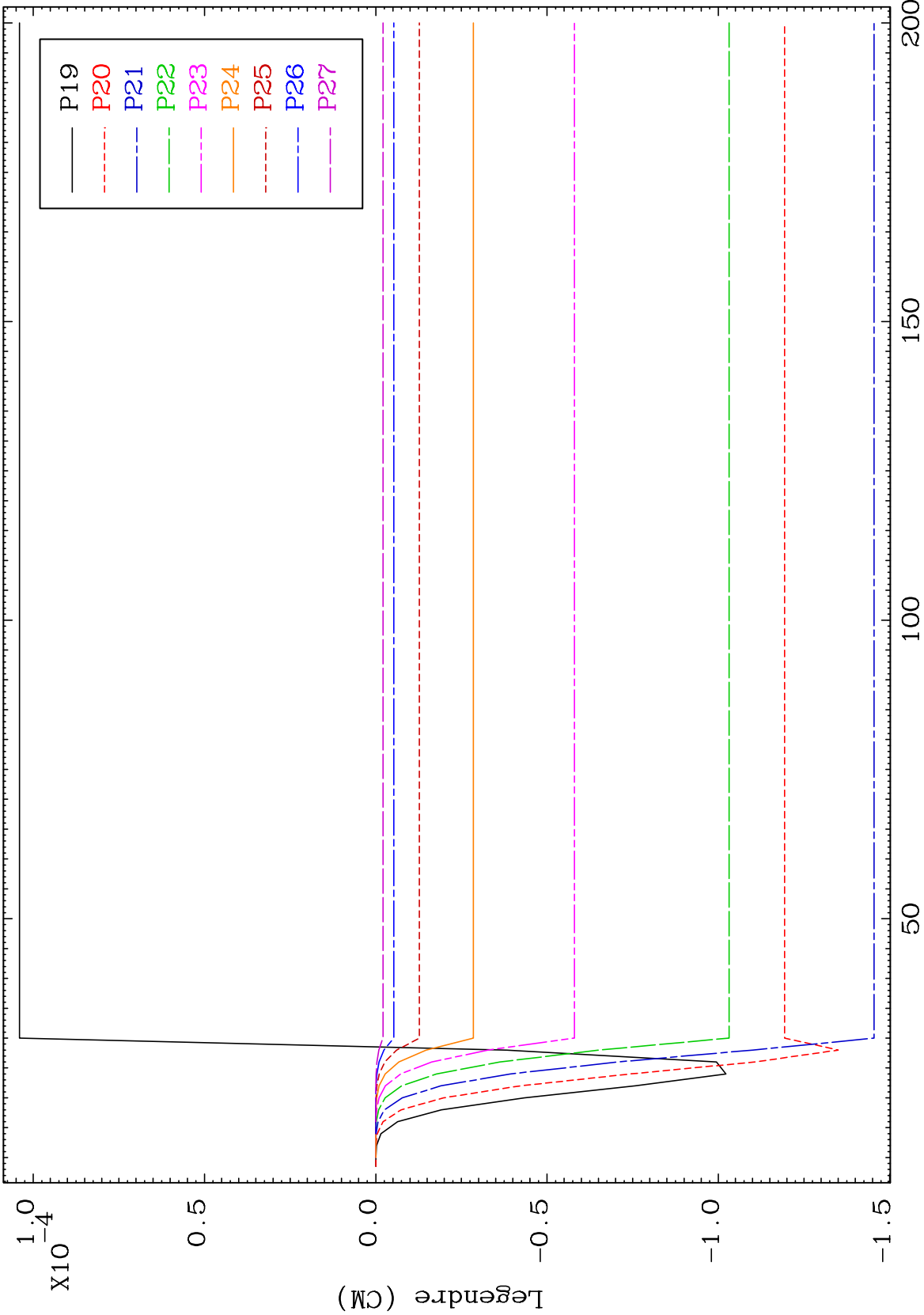
51-Sb-129



56

Incident Energy (MeV)

51-Sb-129

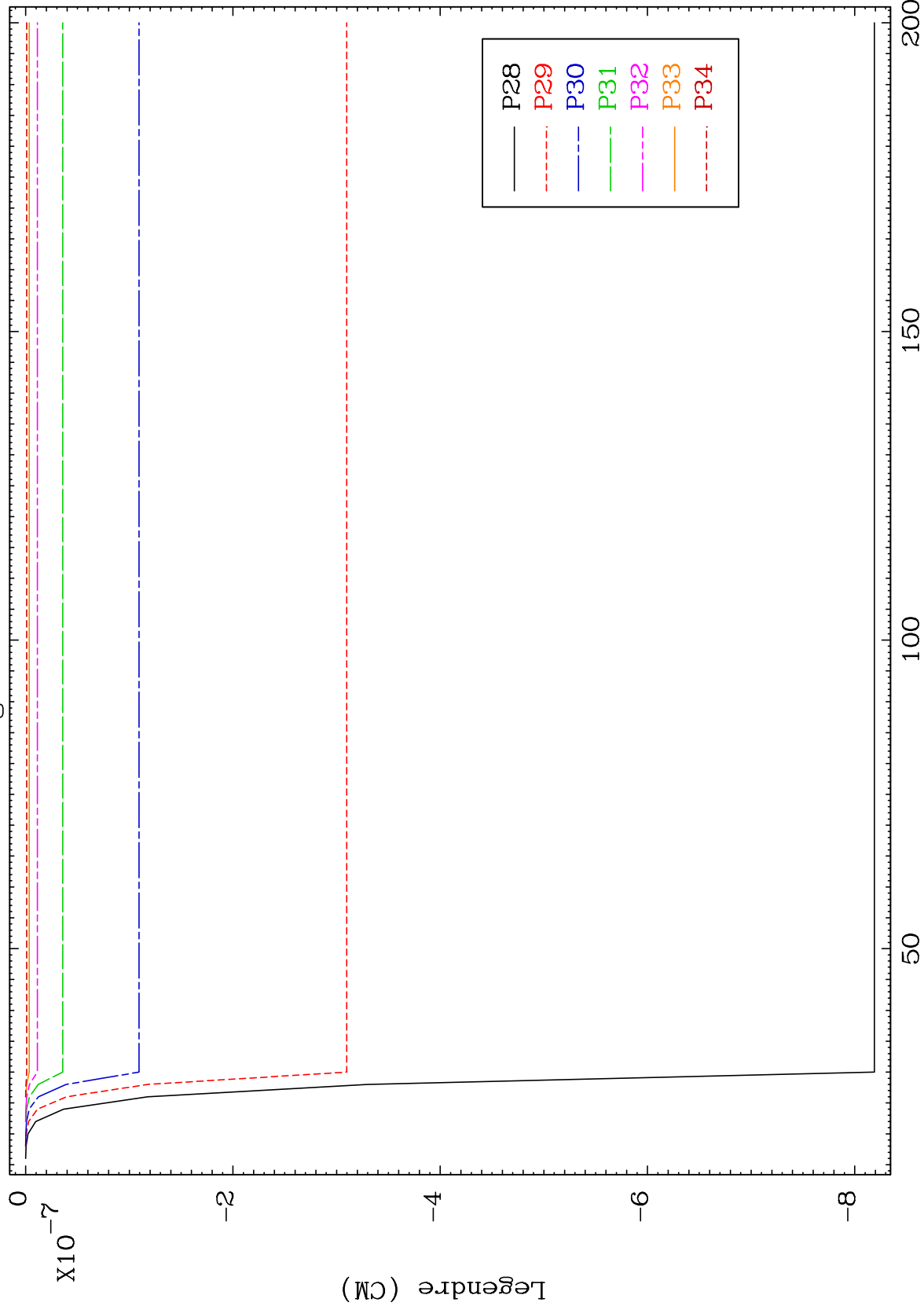


MAT 5149

MT= 60 (n,n') Level

51-Sb-129

Legendre Coefficients



58

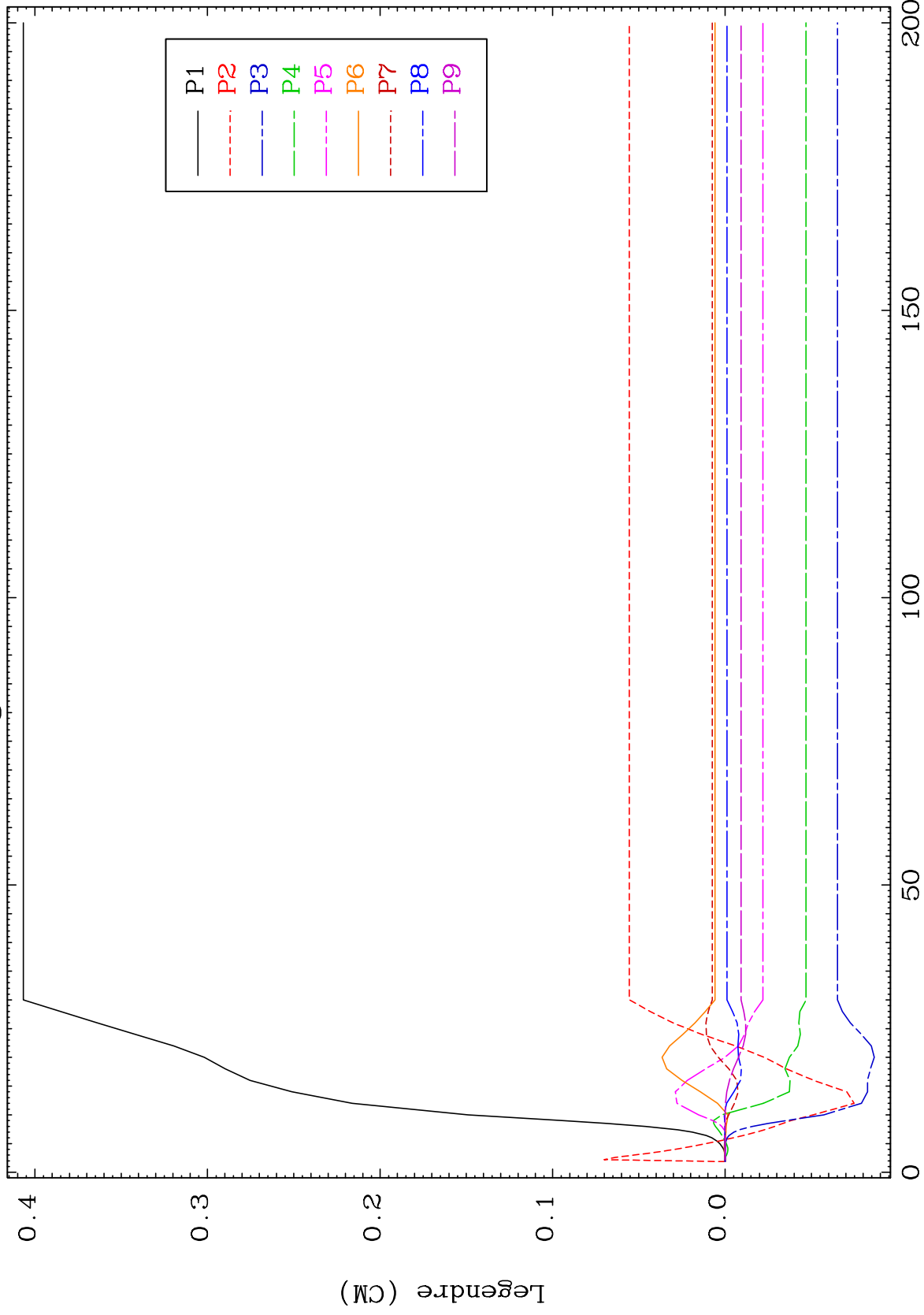
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



59

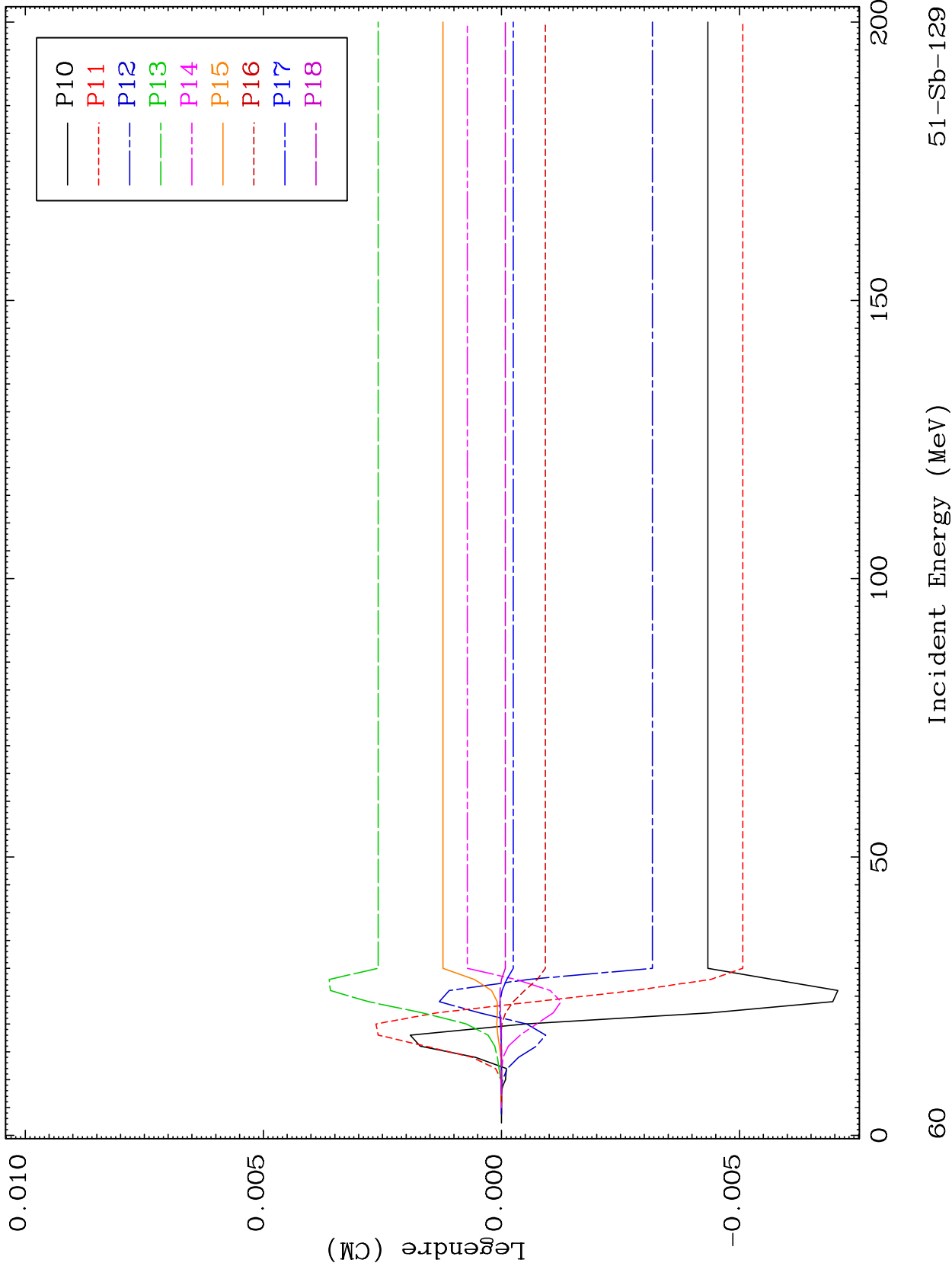
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

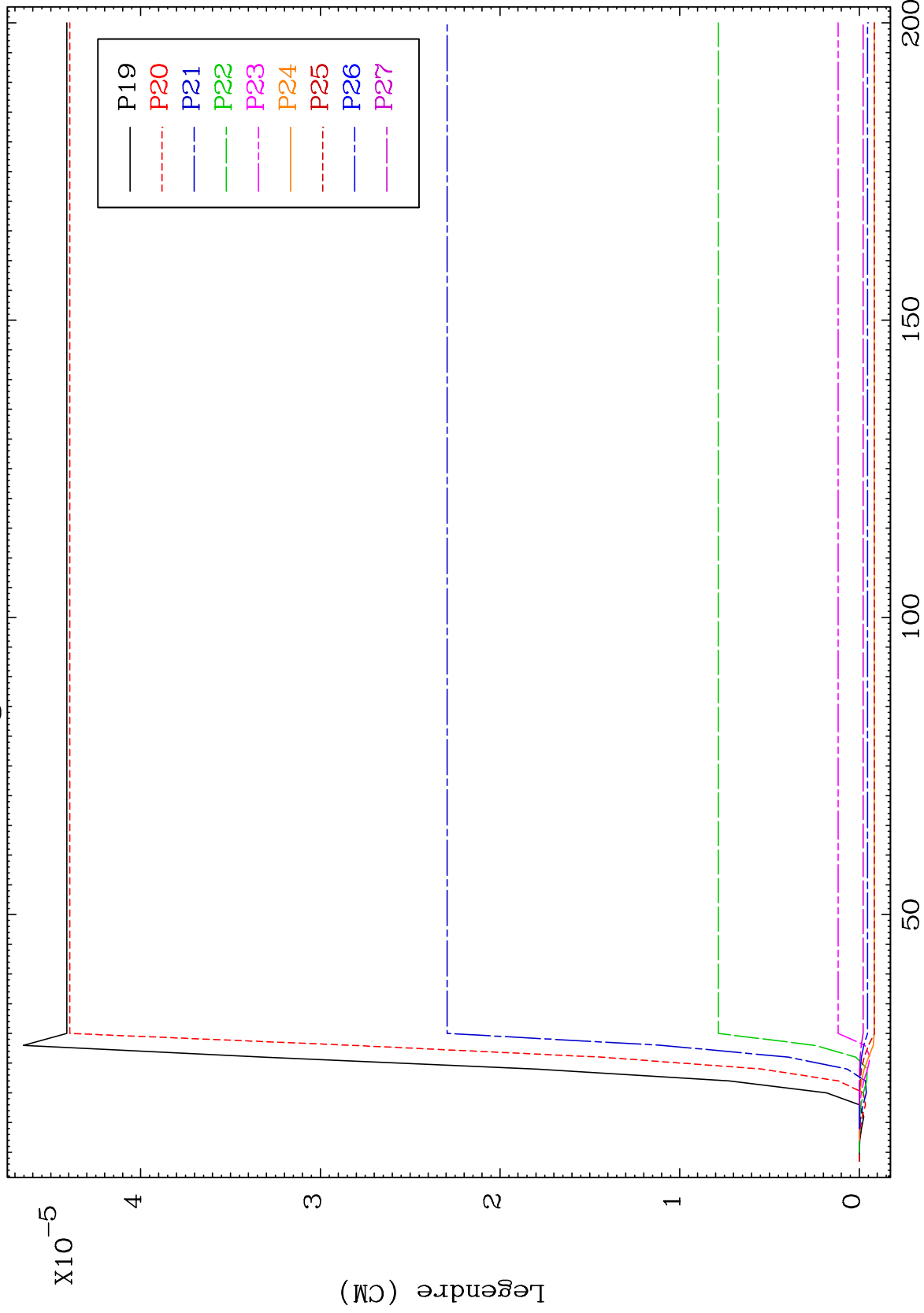
51-Sb-129



MAT 5149

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

51-Sb-129



61

Incident Energy (MeV)

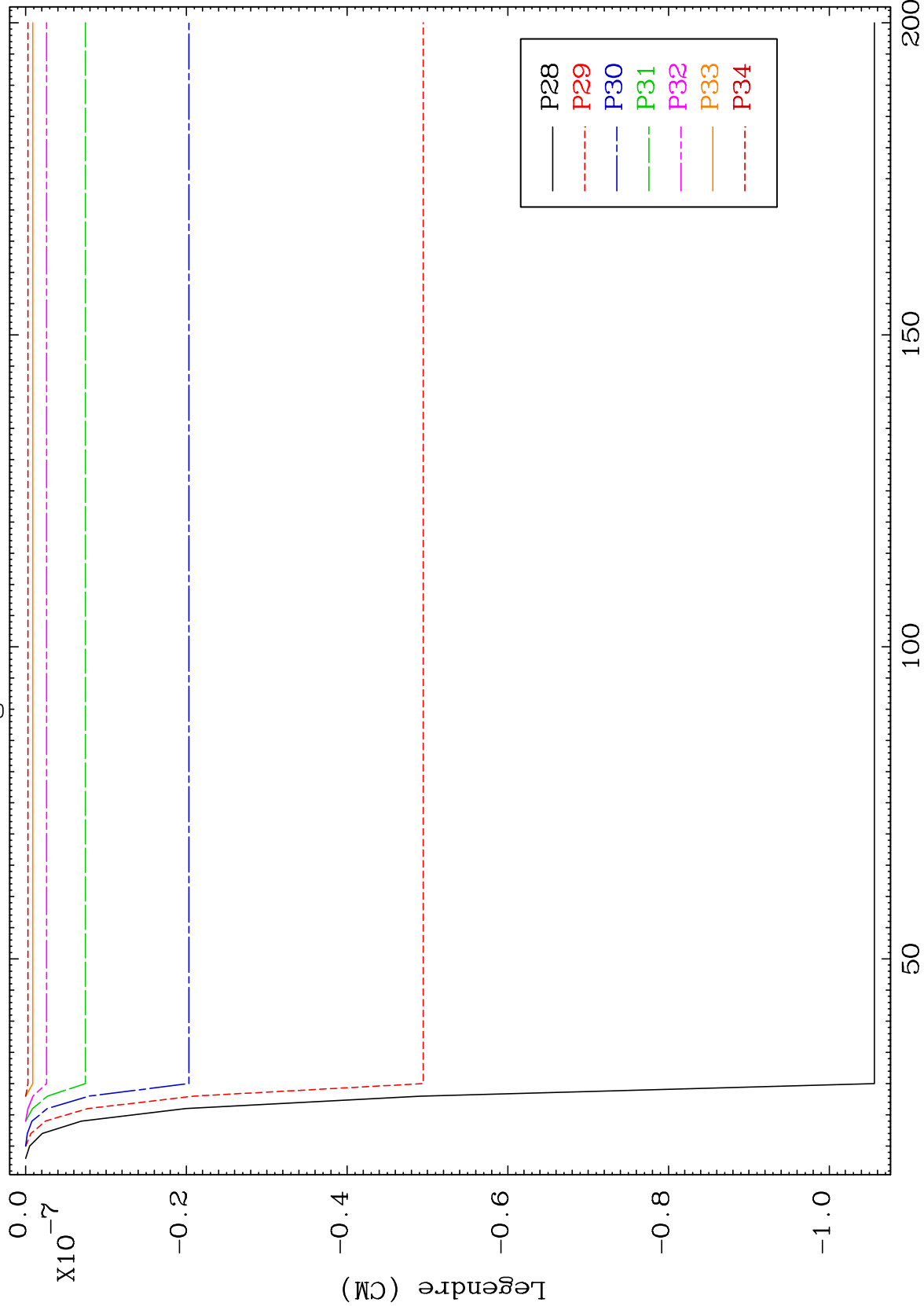
51-Sb-129

MAT 5149

MT= 61 (n,n') Level

51-Sb-129

Legendre Coefficients



62

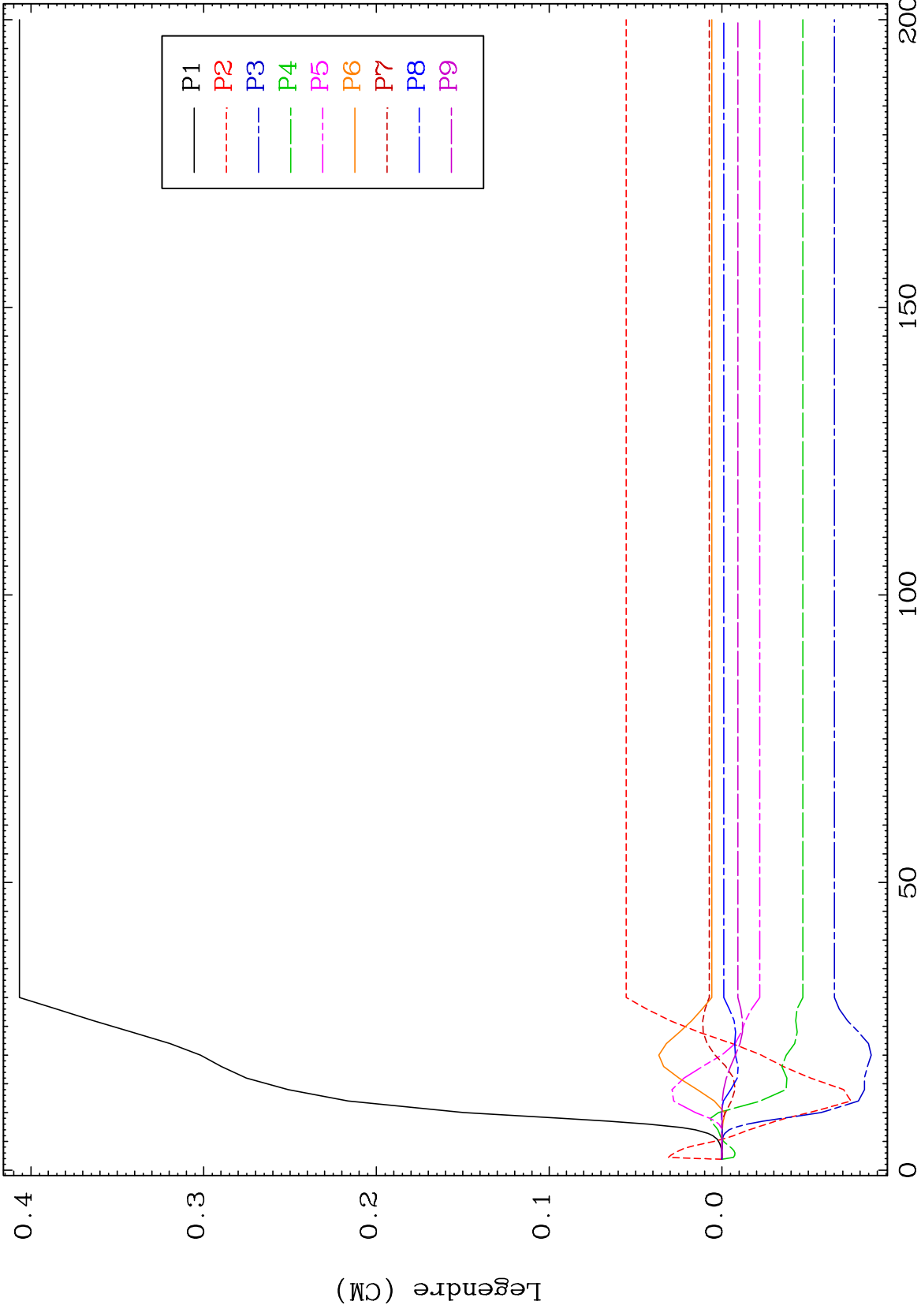
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



63

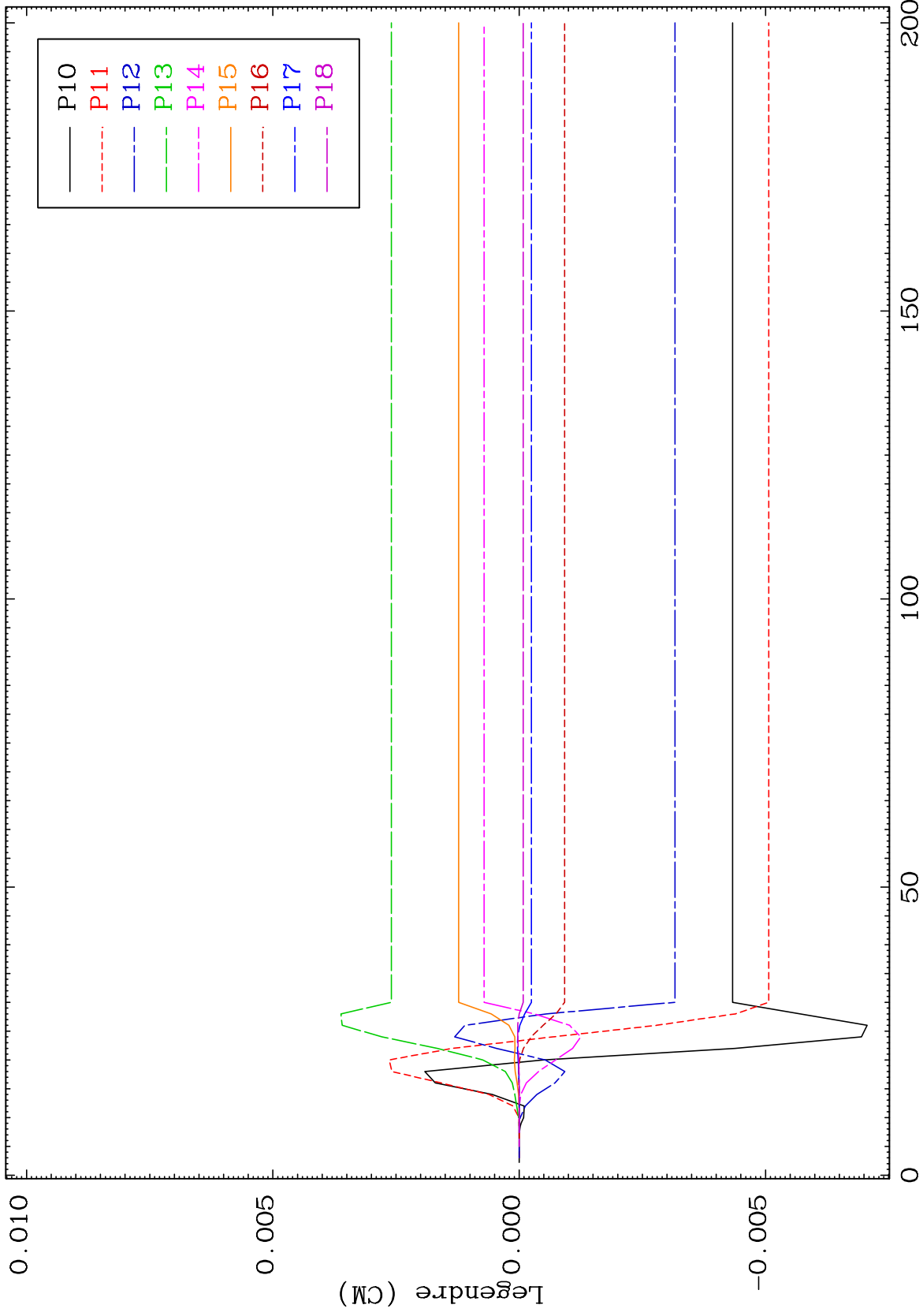
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



64

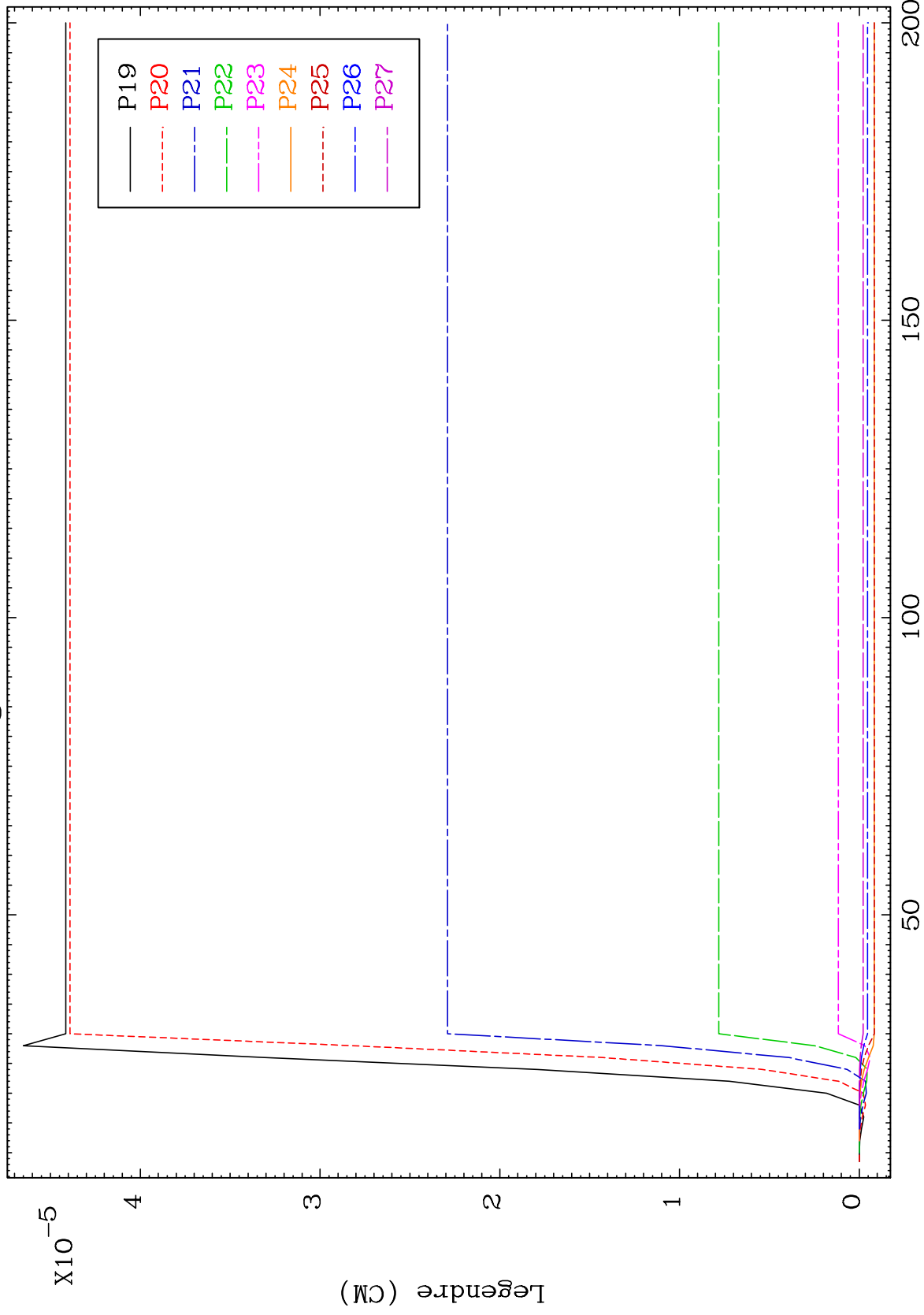
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



65

Incident Energy (MeV)

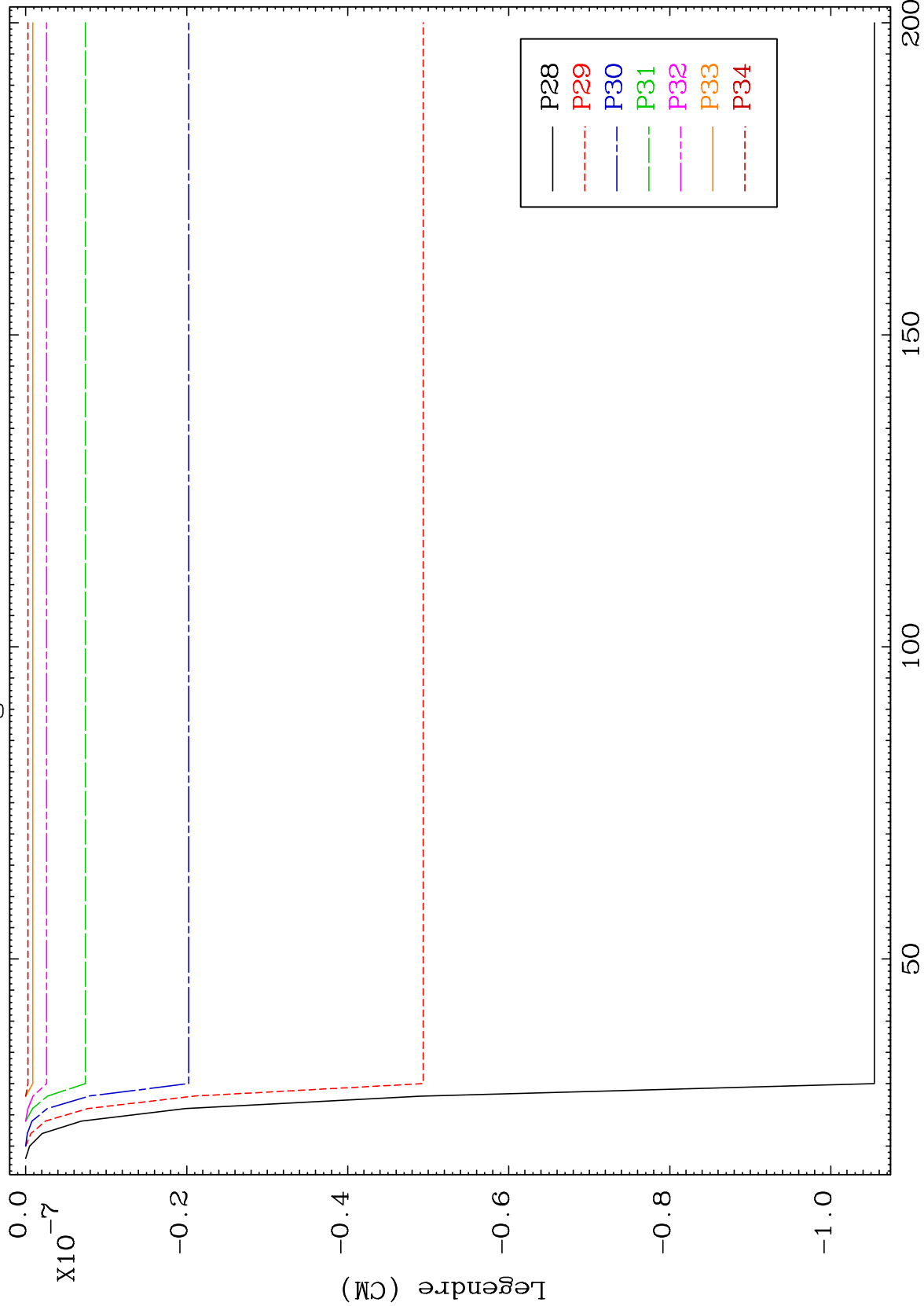
51-Sb-129

MAT 5149

MT= 62 (n,n') Level

51-Sb-129

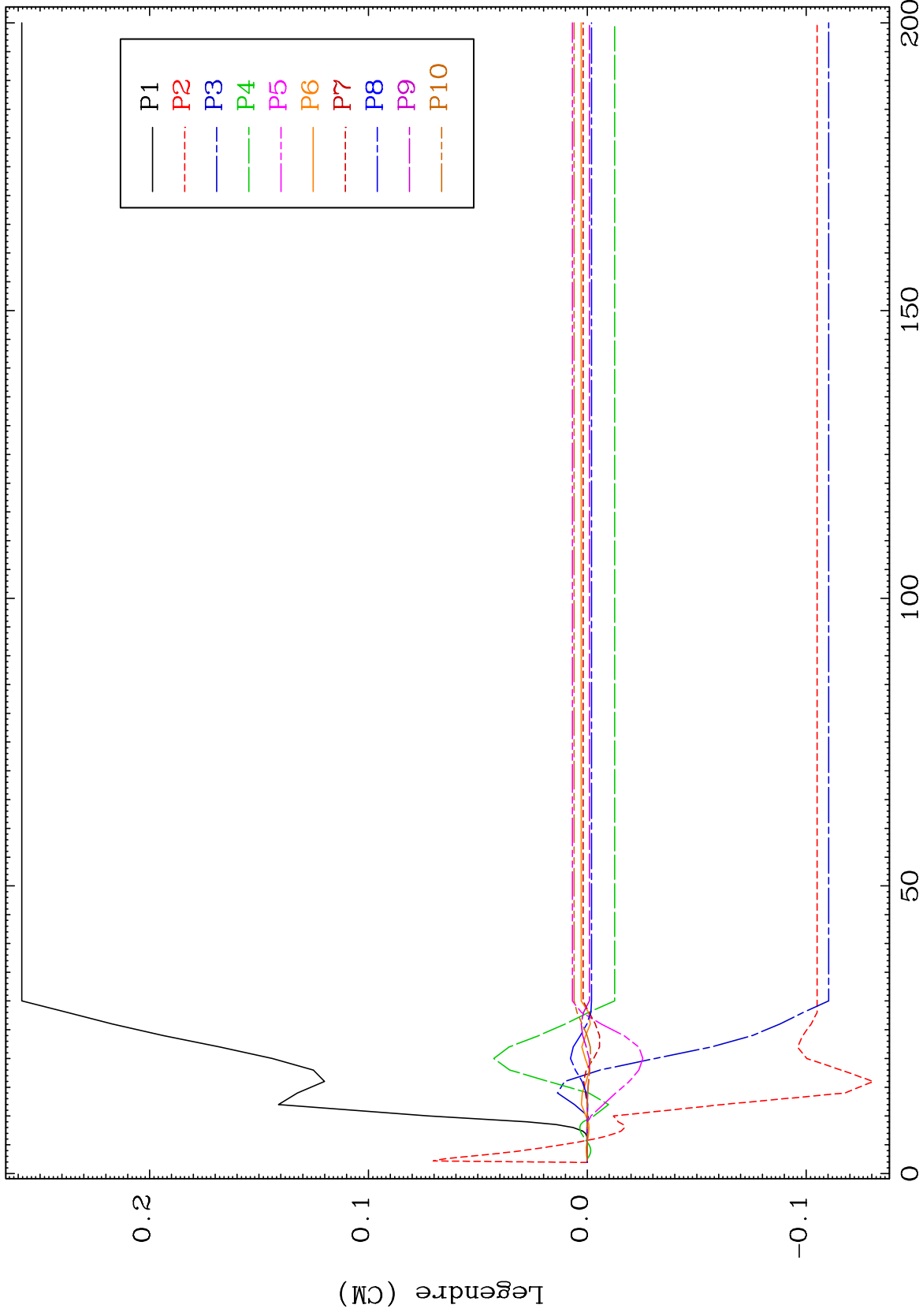
Legendre Coefficients



MAT 5149

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

51-Sb-129



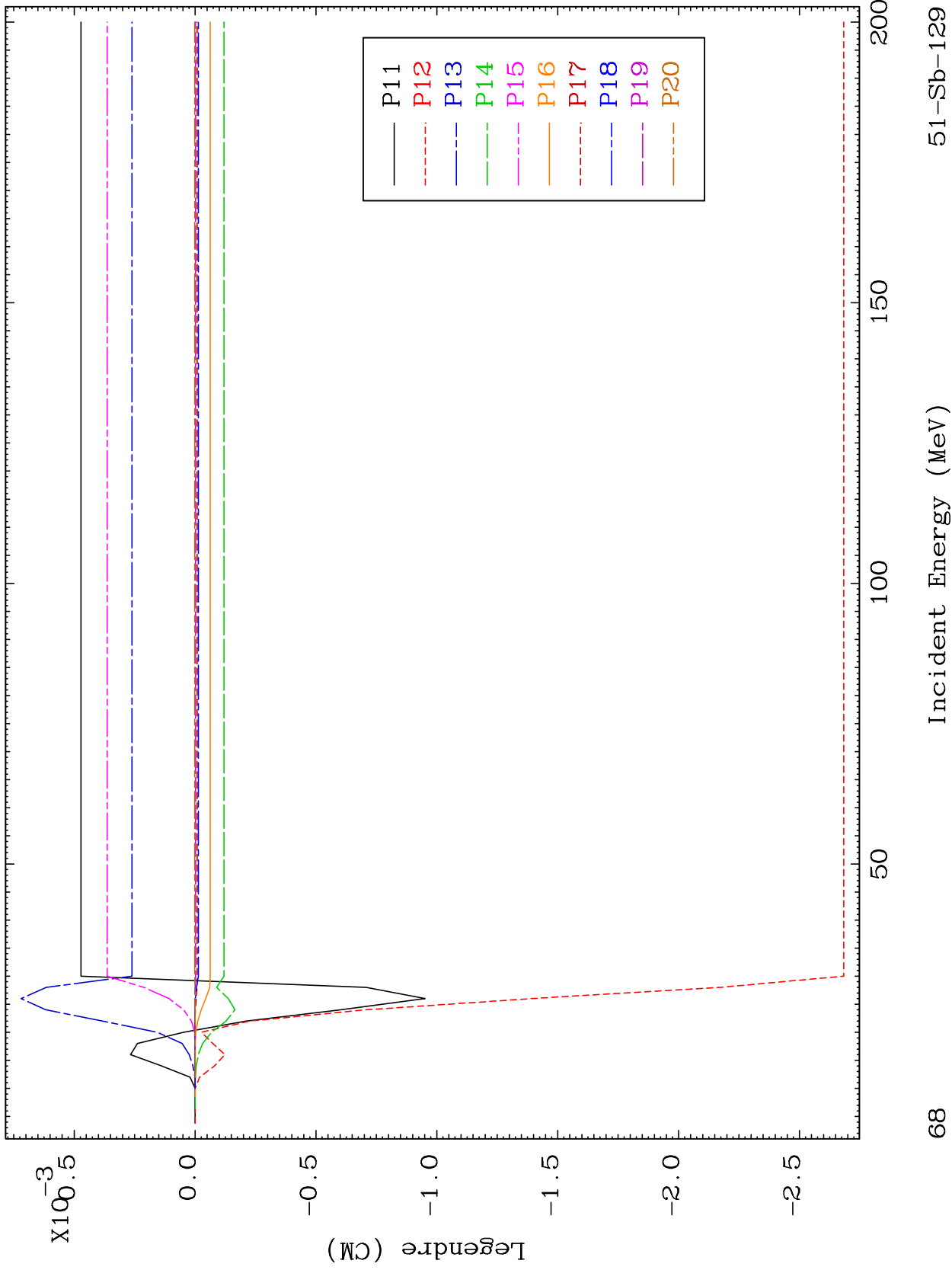
67

51-Sb-129

MAT 5149

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

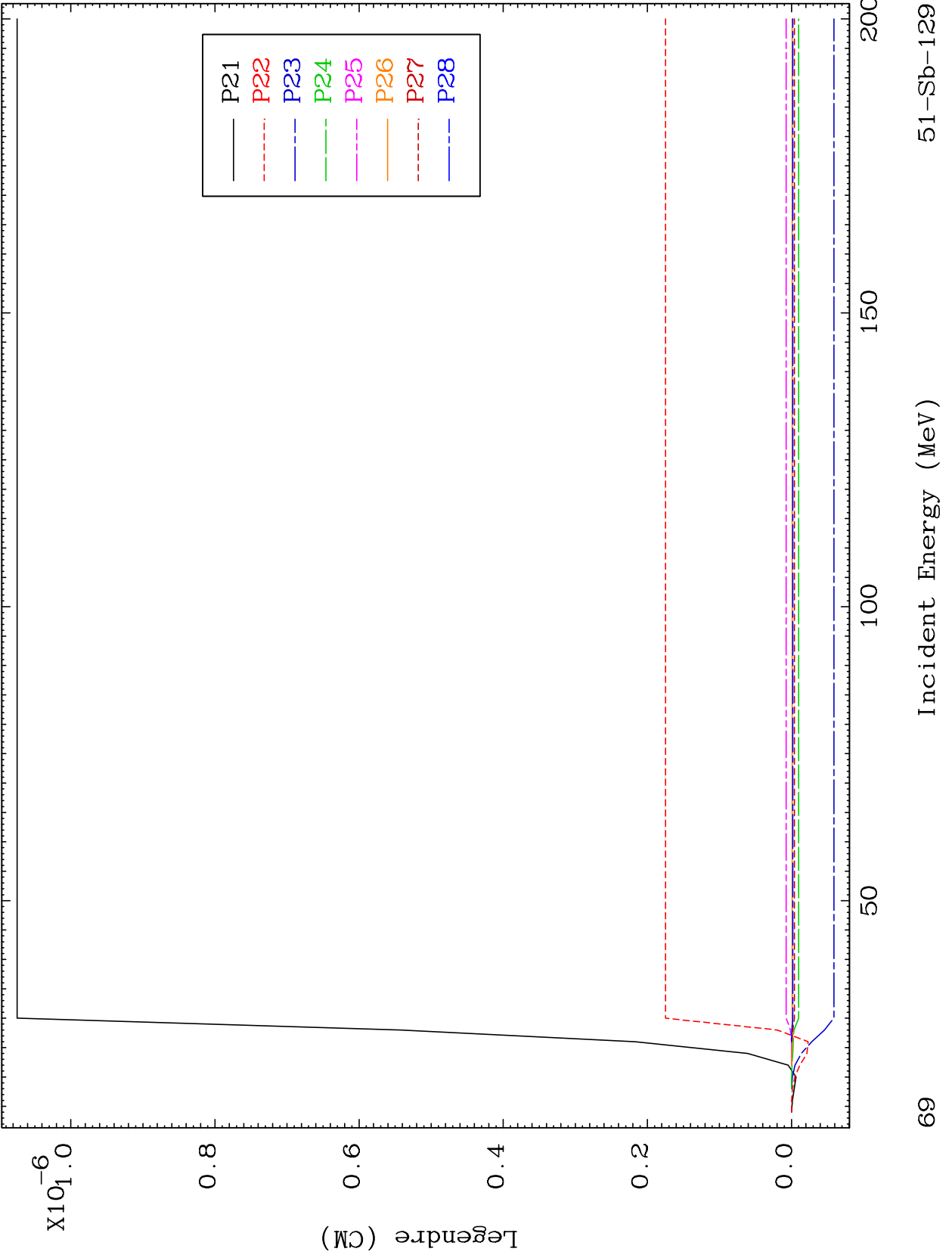
51-Sb-129



68

Incident Energy (MeV)

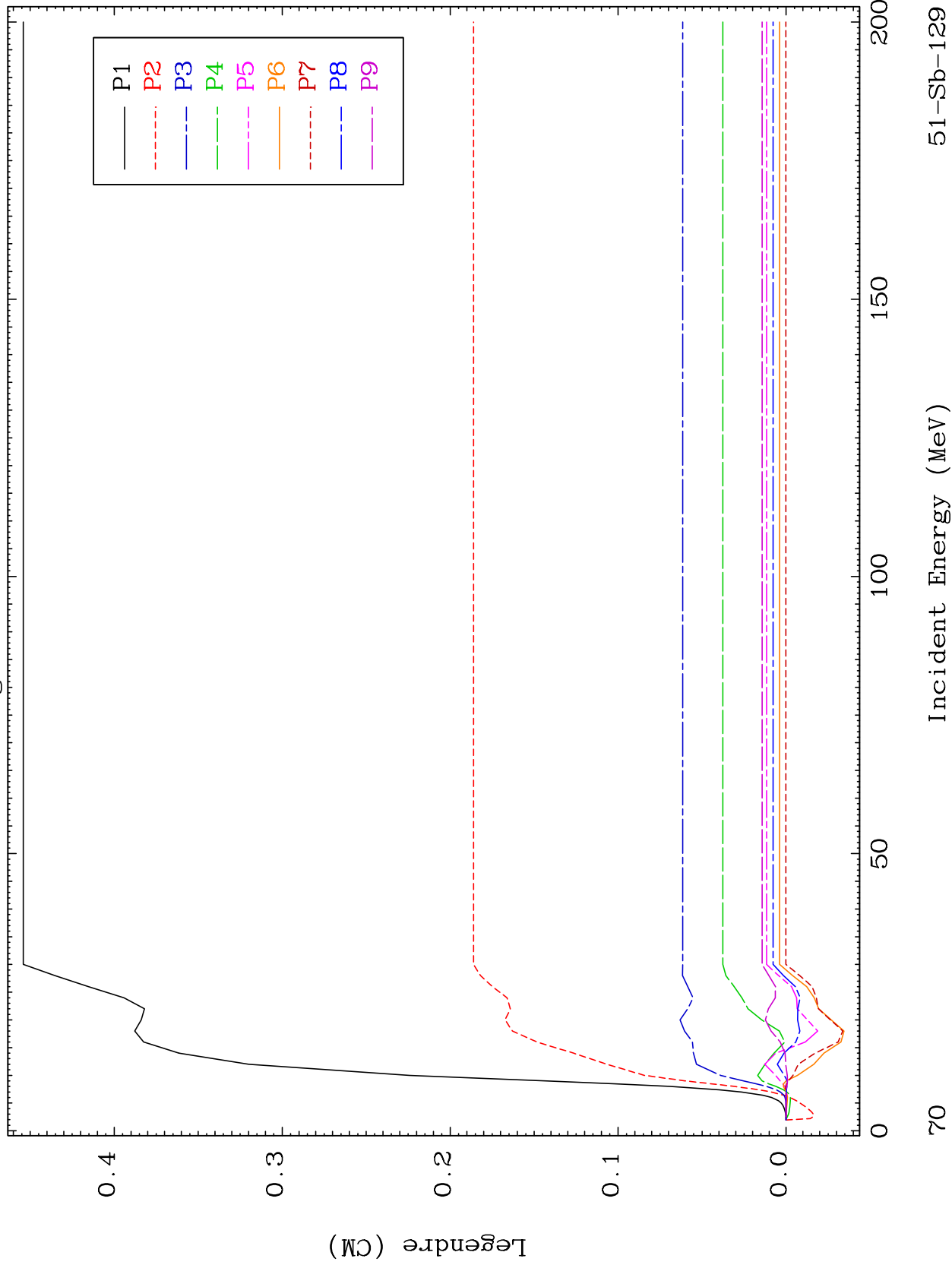
51-Sb-129



MAT 5149

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

51-Sb-129



51-Sb-129

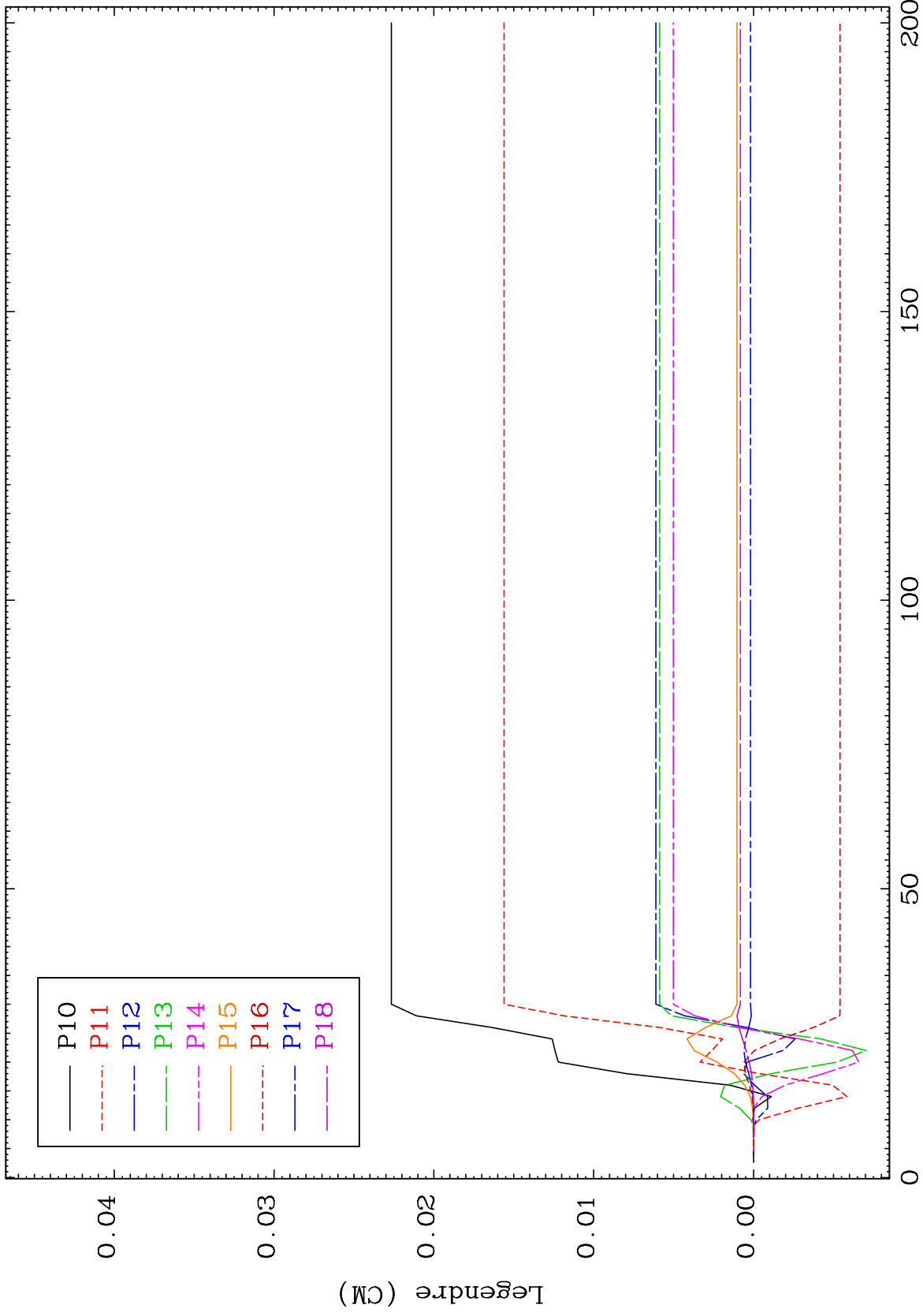
Incident Energy (MeV)

70

MAT 5149

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

51-Sb-129



71

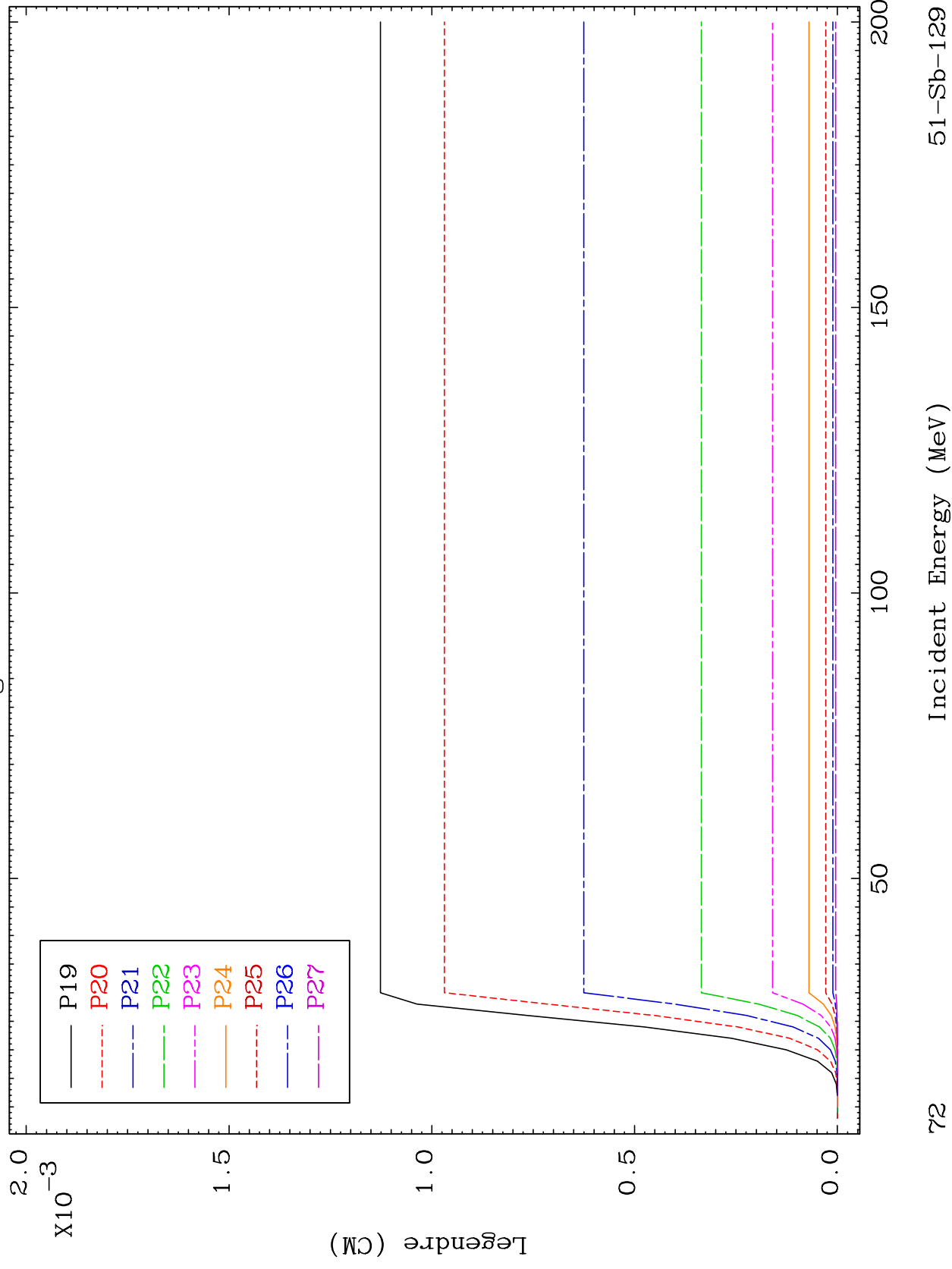
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



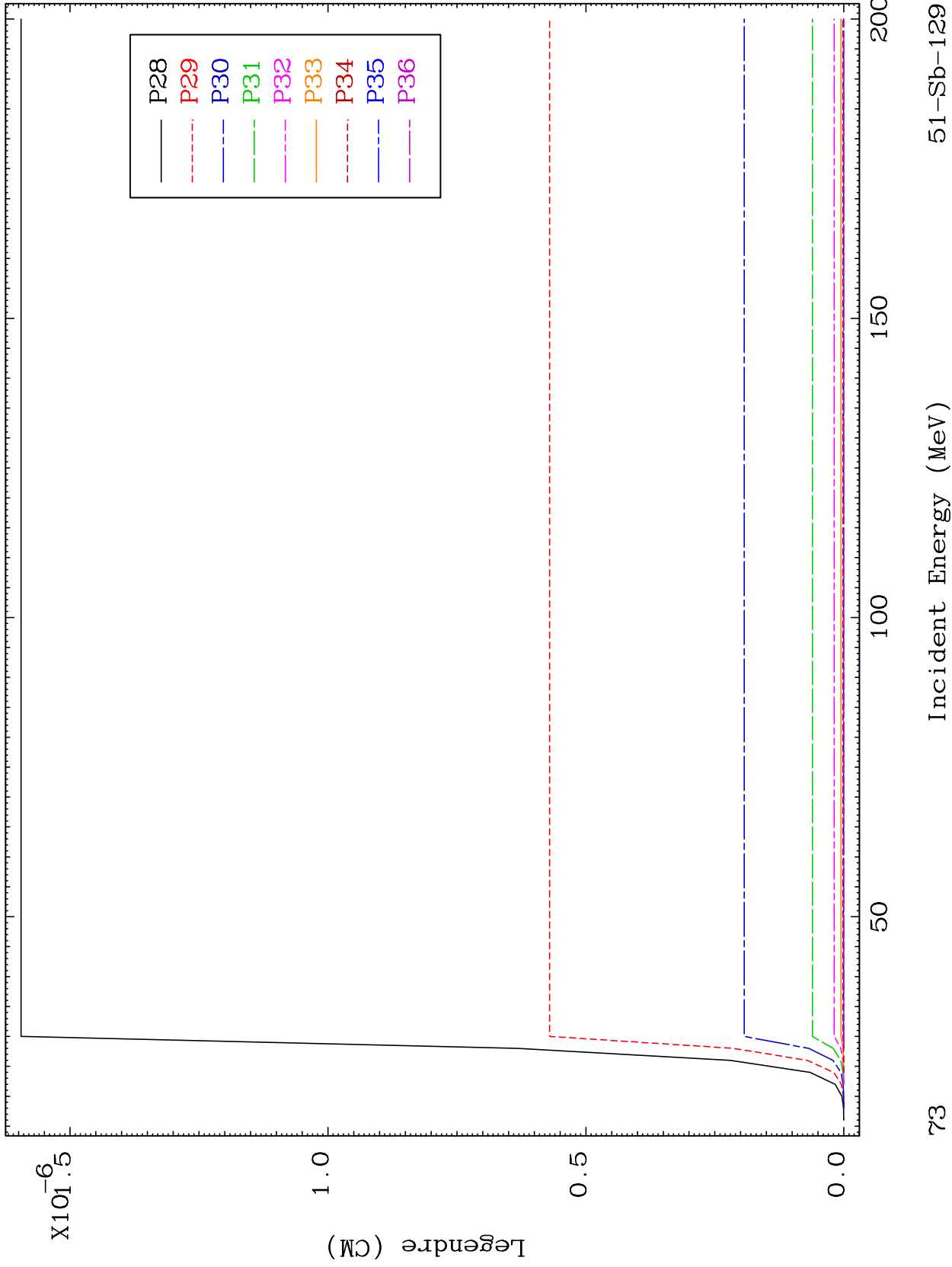
72

51-Sb-129

MAT 5149

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

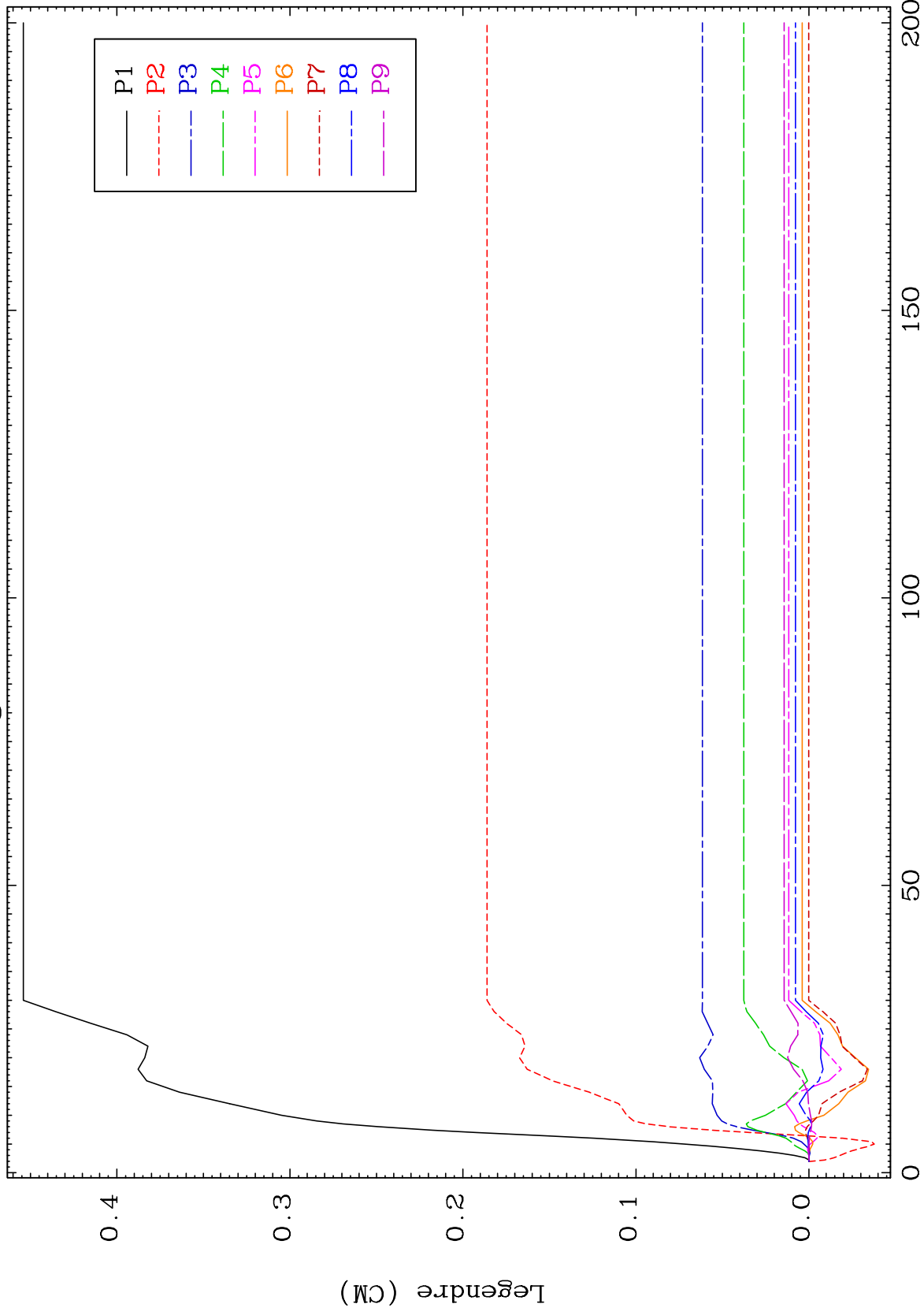
51-Sb-129



MAT 5149

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

51-Sb-129



74

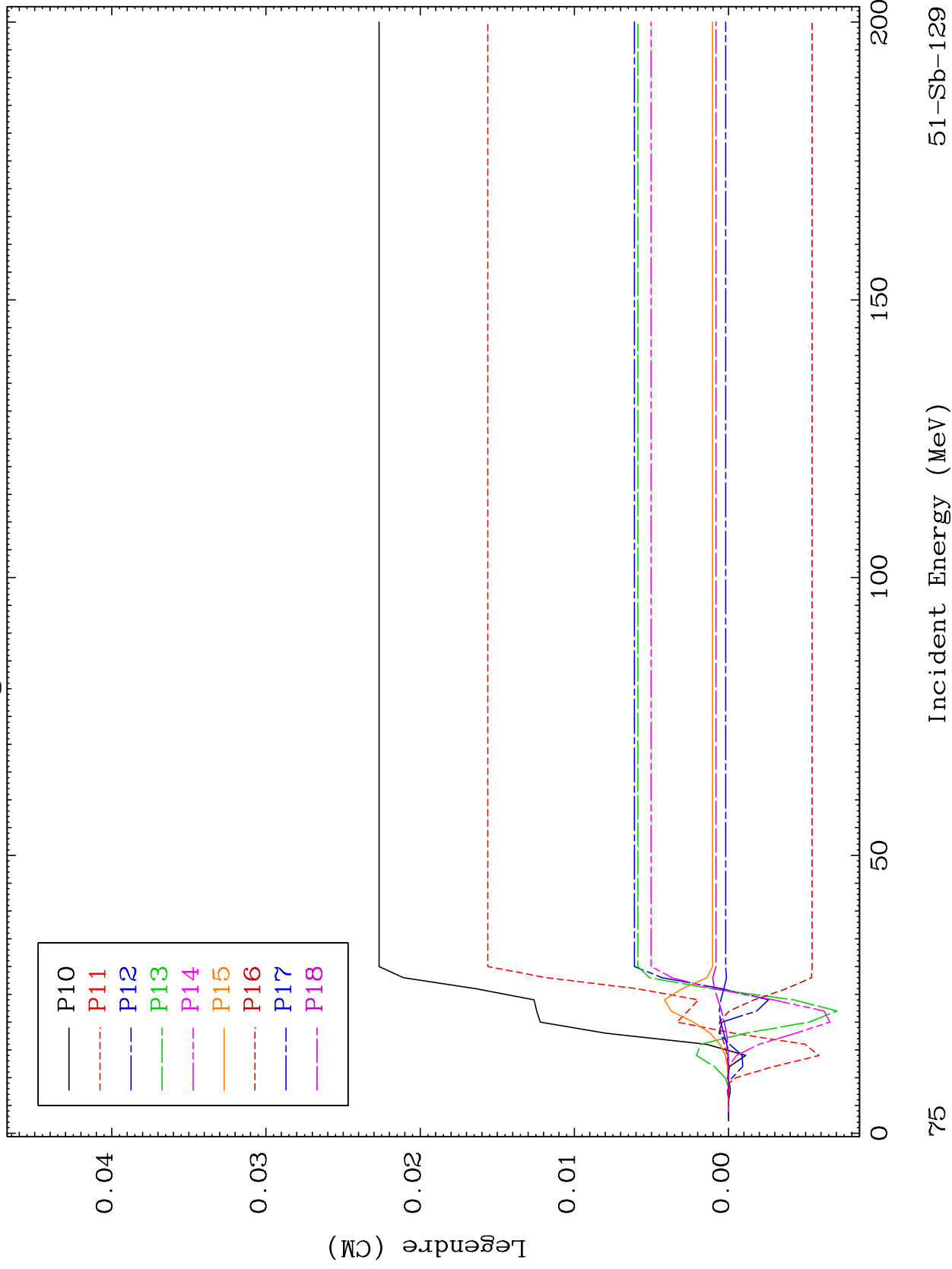
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



51-Sb-129

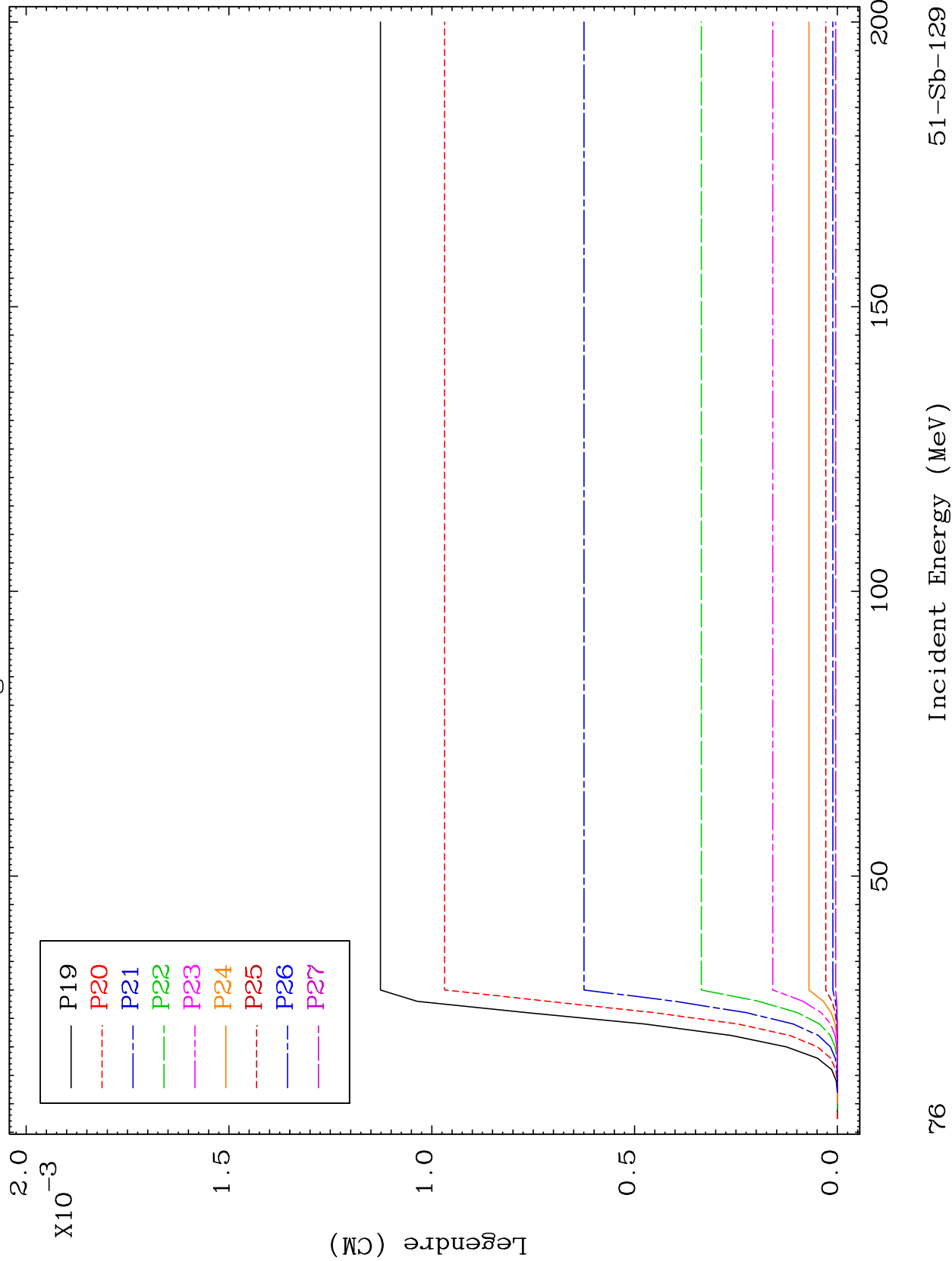
Incident Energy (MeV)

75

MAT 5149

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

51-Sb-129



76

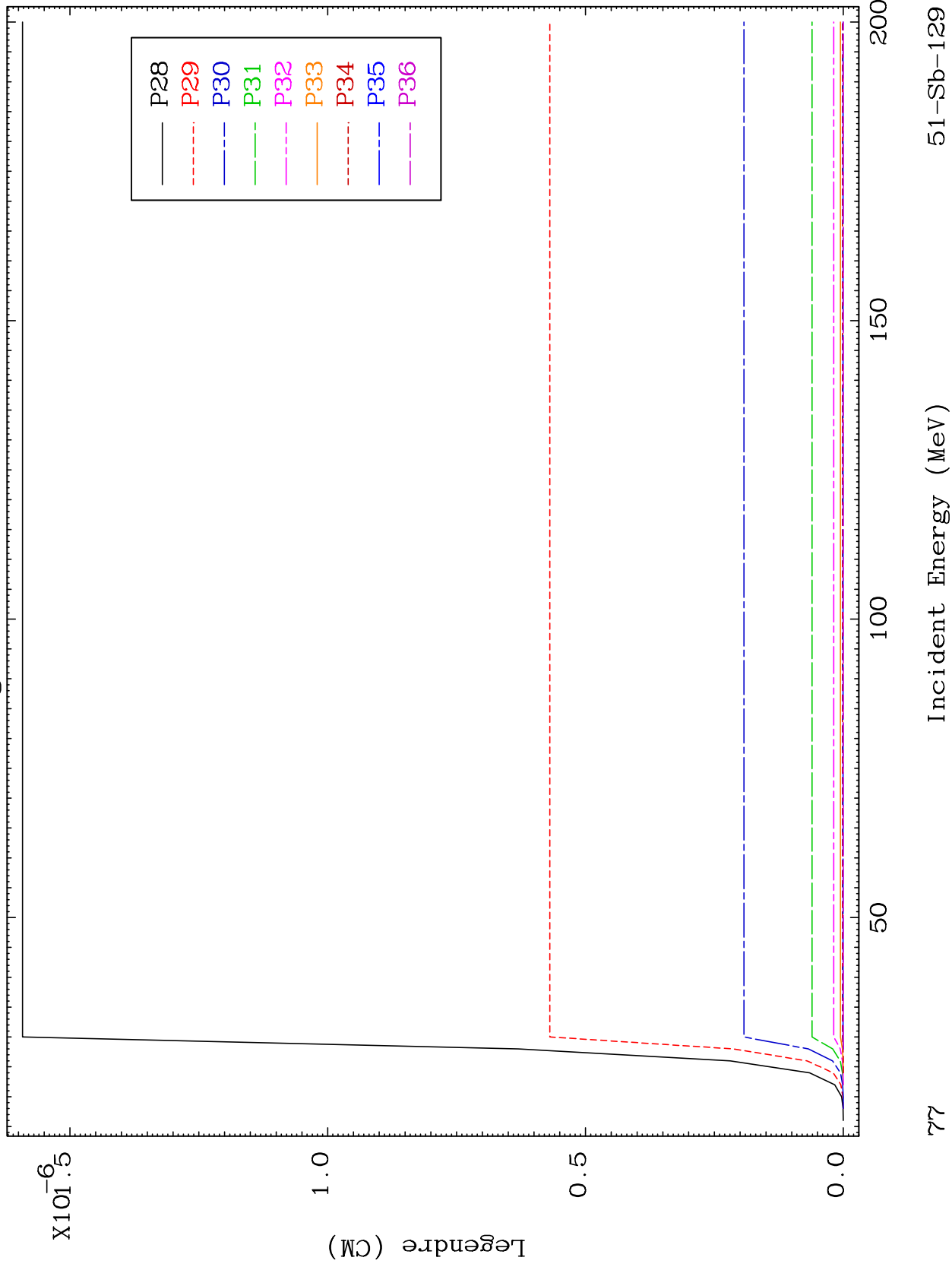
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



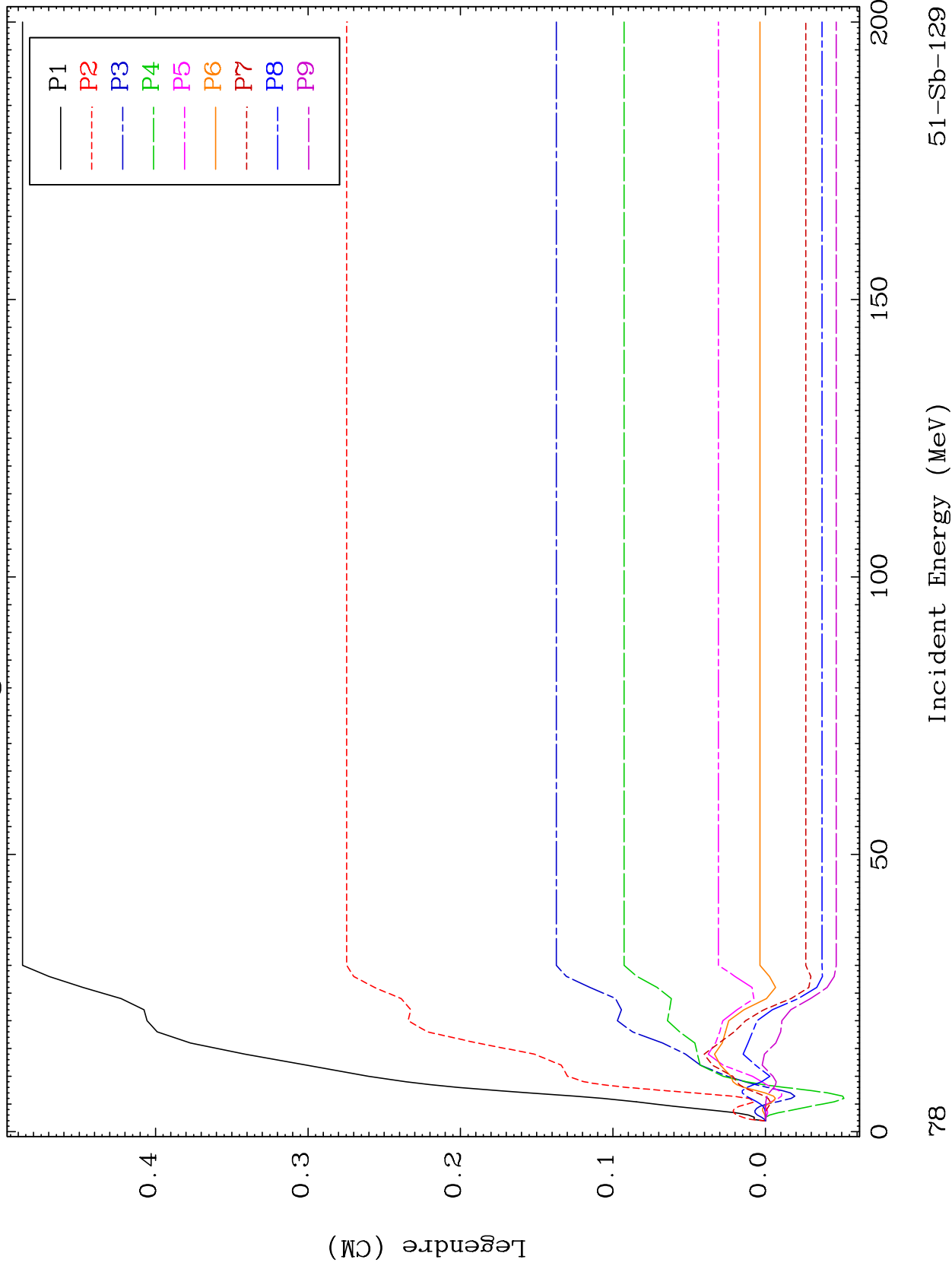
77

51-Sb-129

MAT 5149

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

51-Sb-129

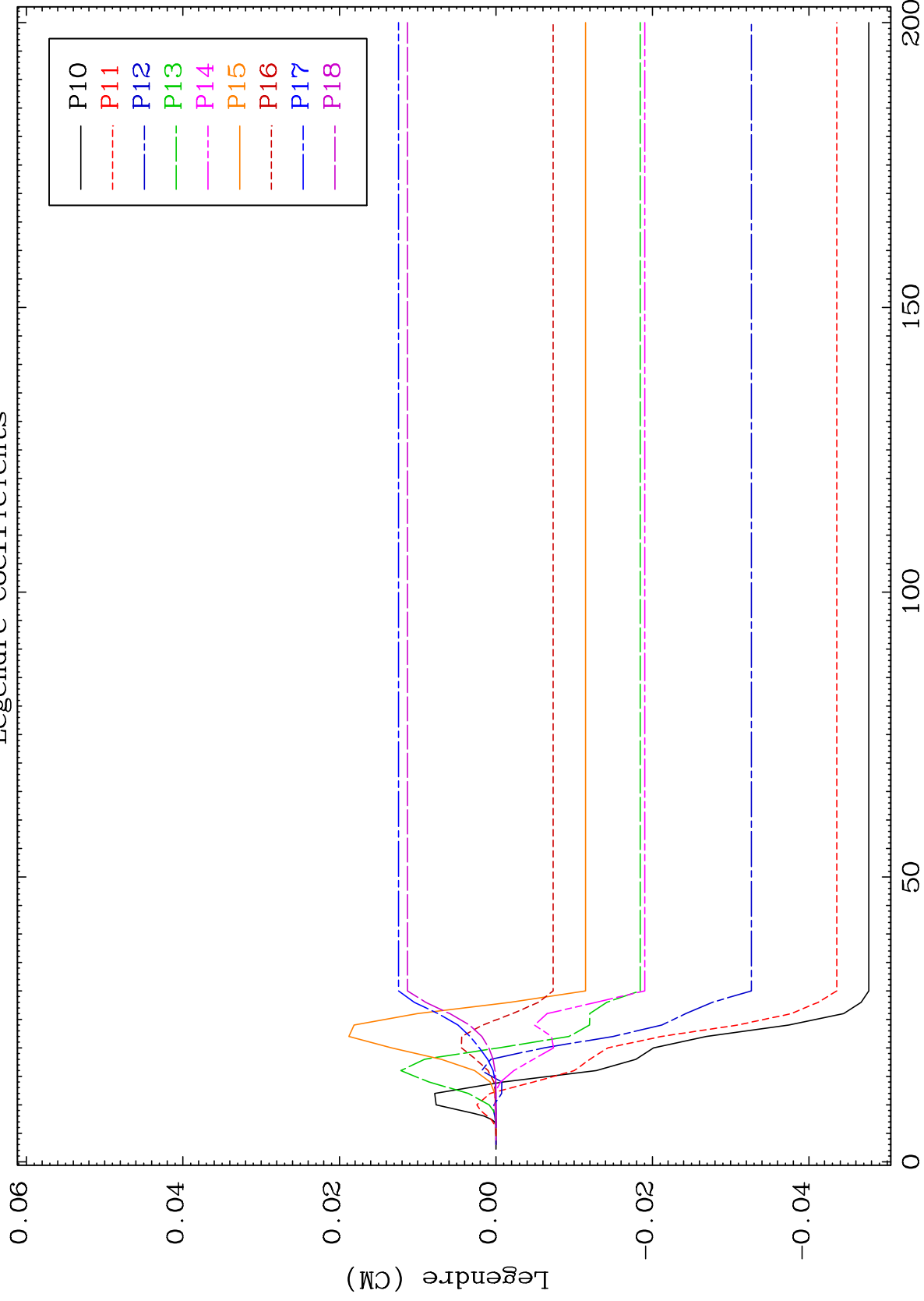


51-Sb-129

MAT 5149

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

51-Sb-129



79

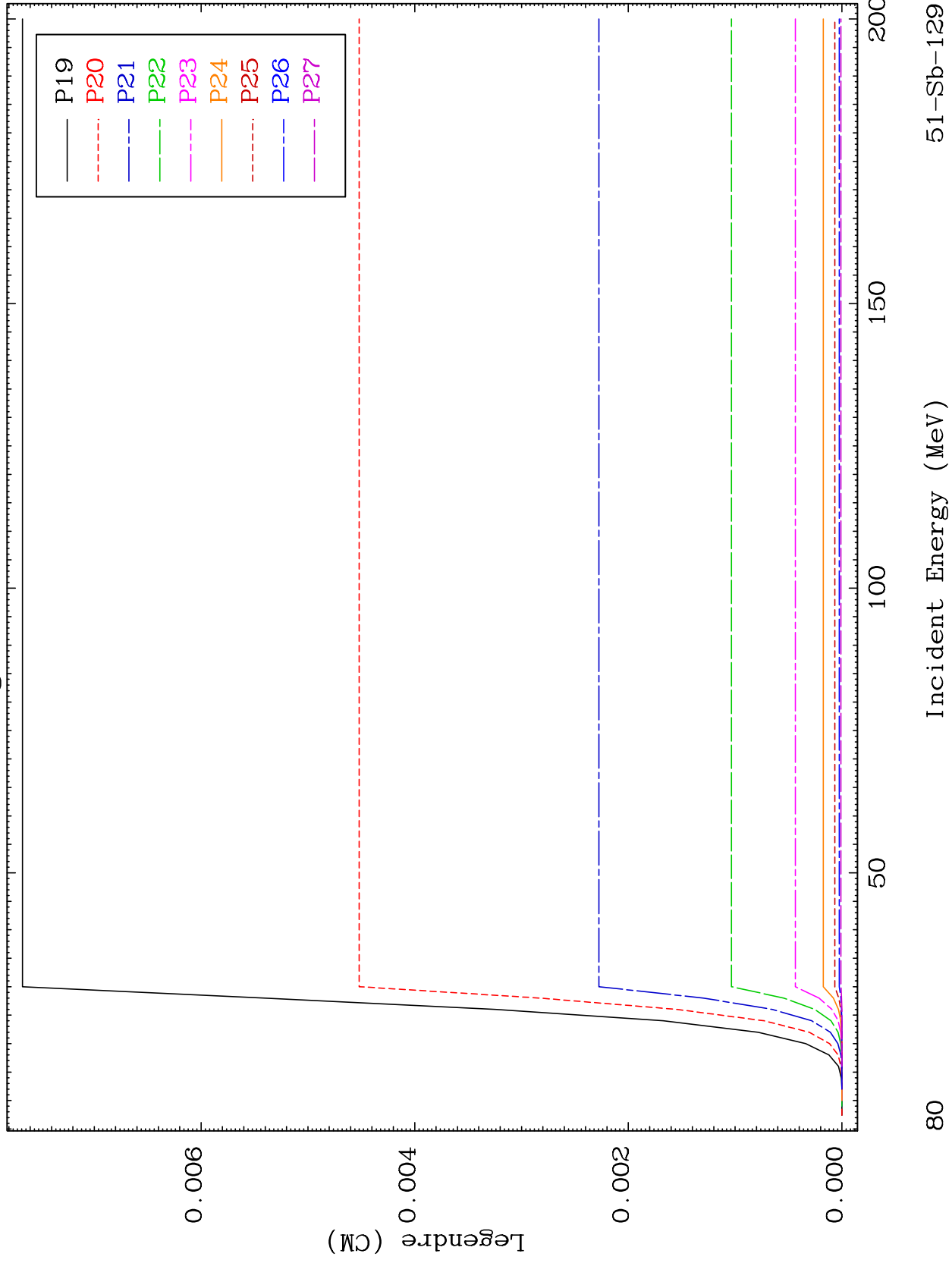
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



80

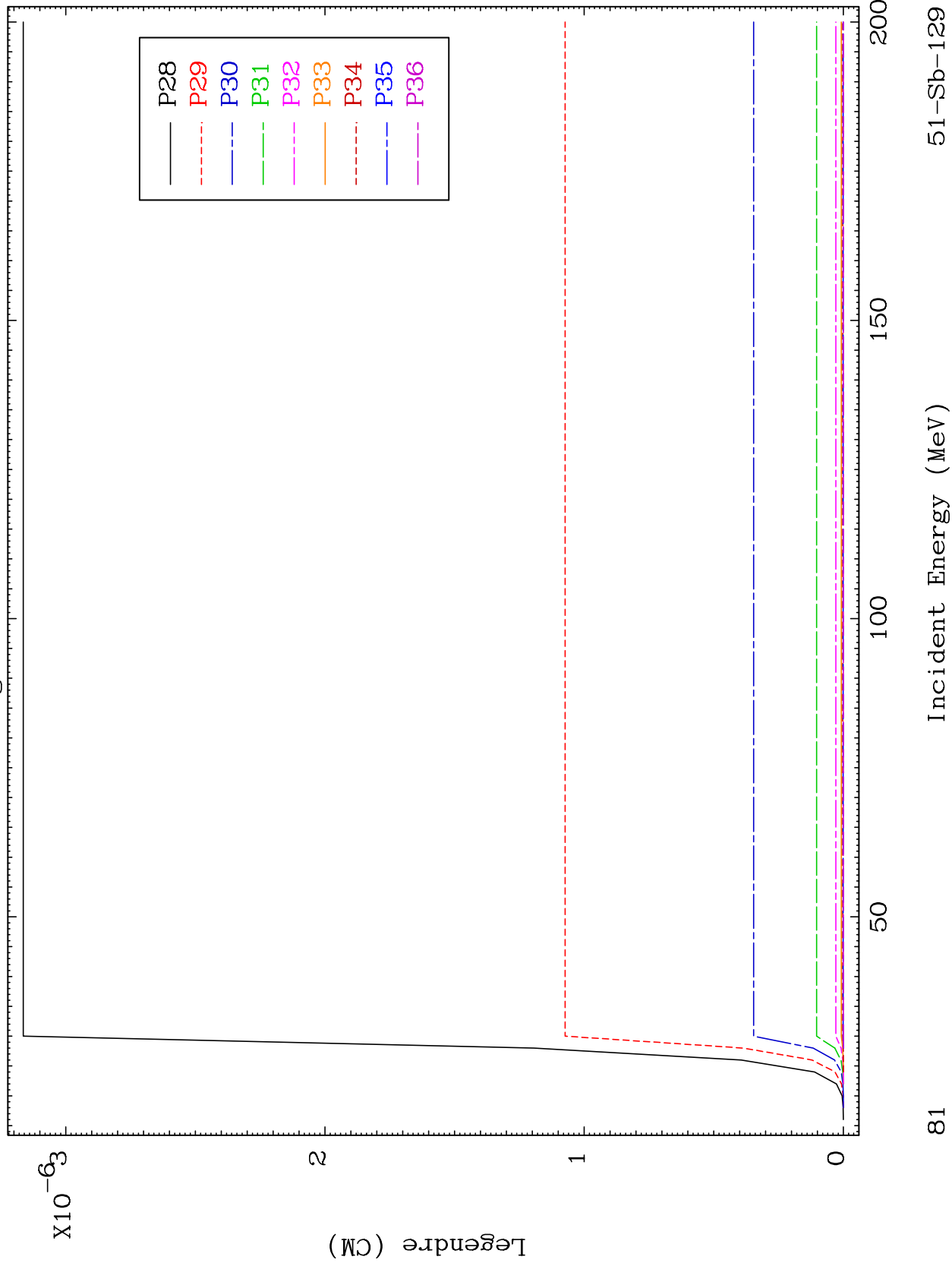
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

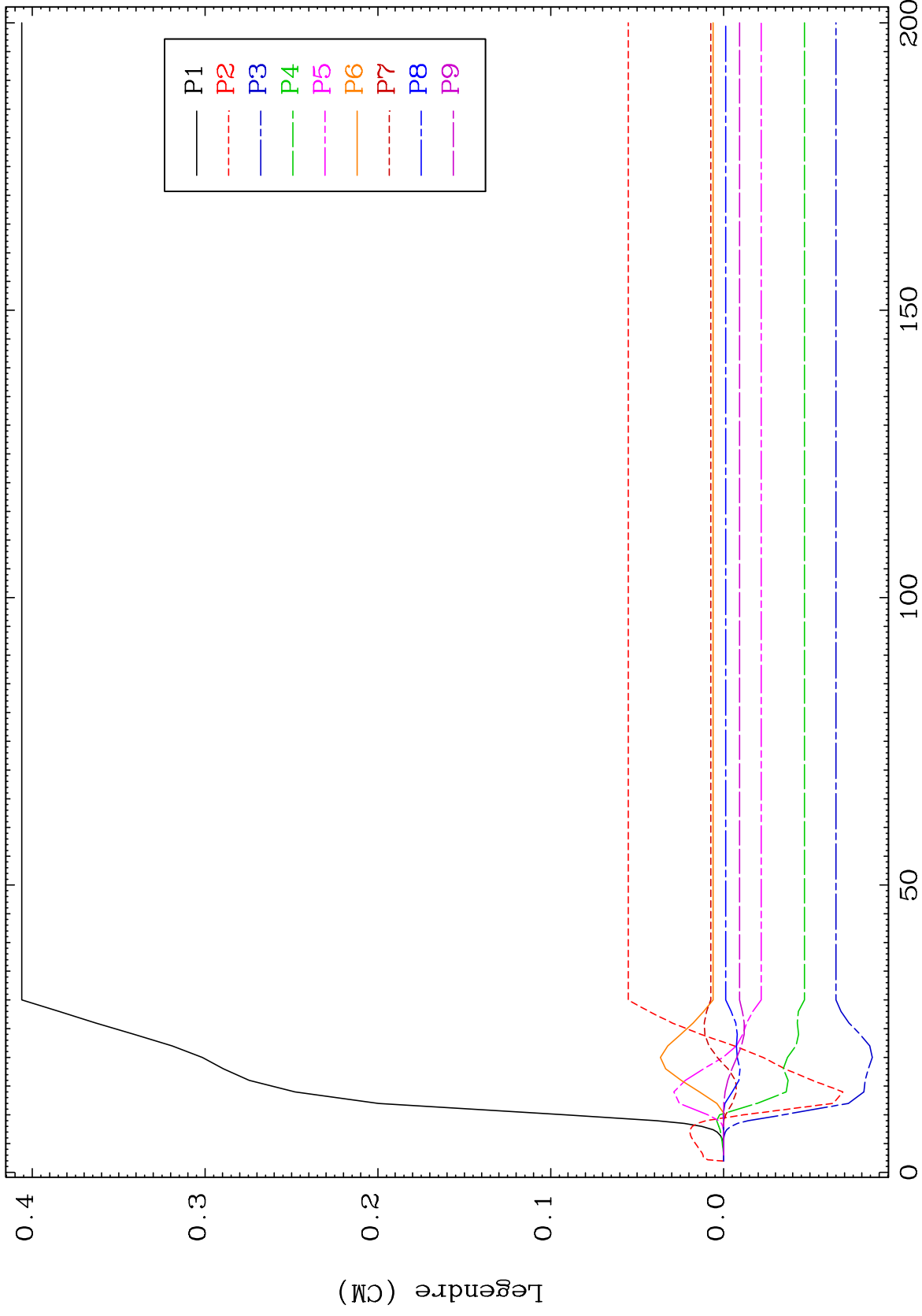
51-Sb-129



MAT 5149

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

51-Sb-129



82

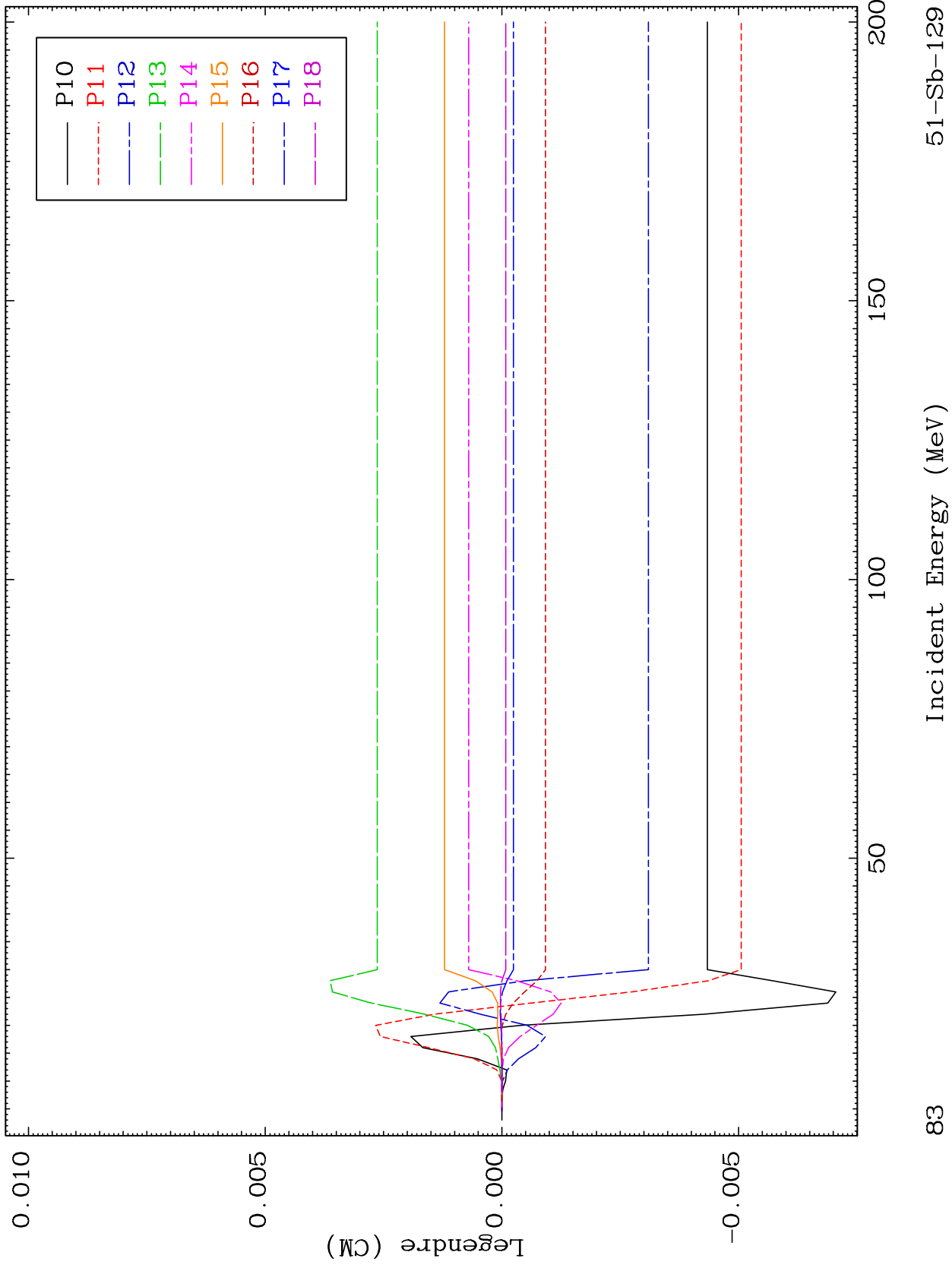
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



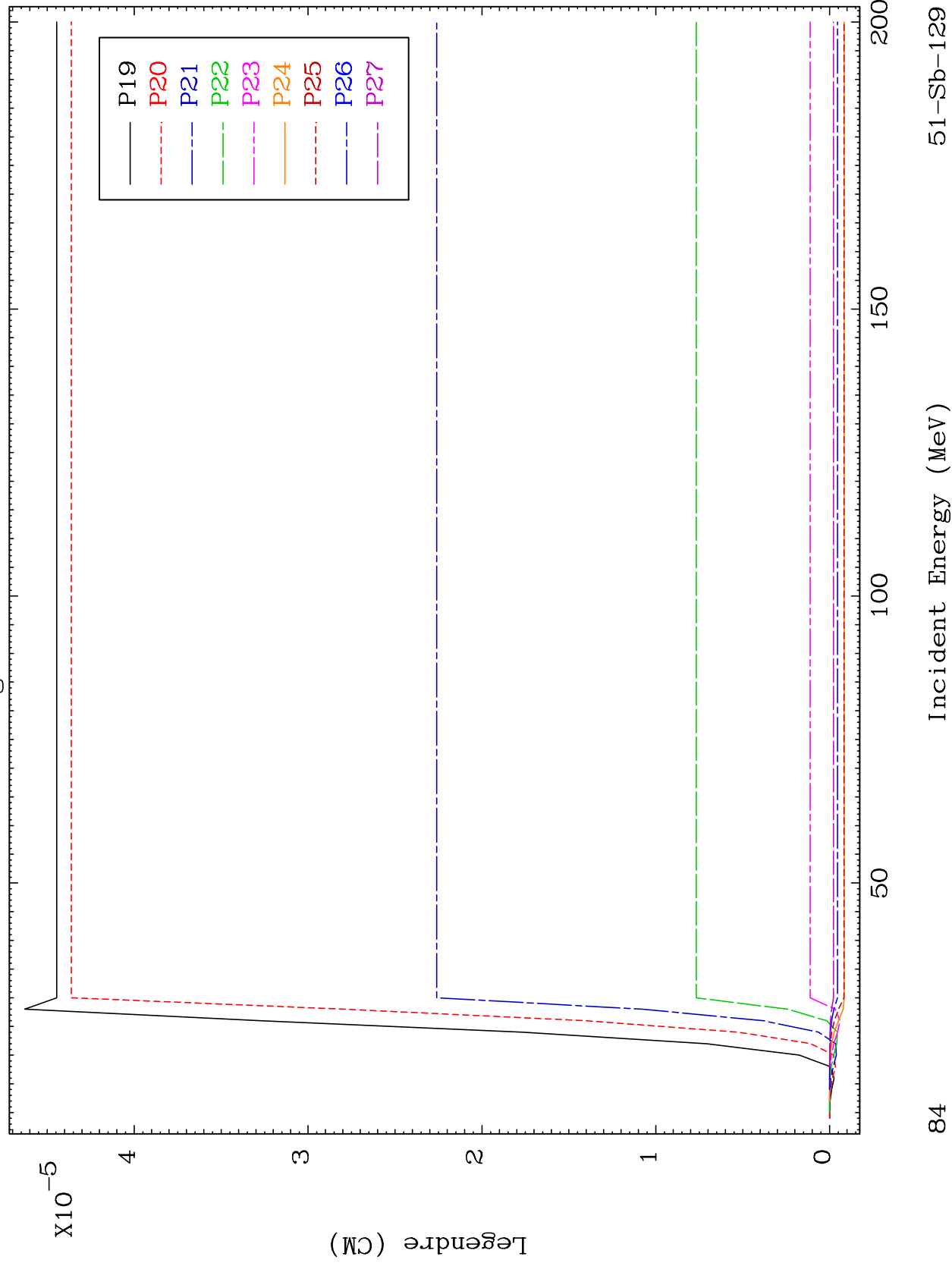
83

51-Sb-129

MAT 5149

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

51-Sb-129



84

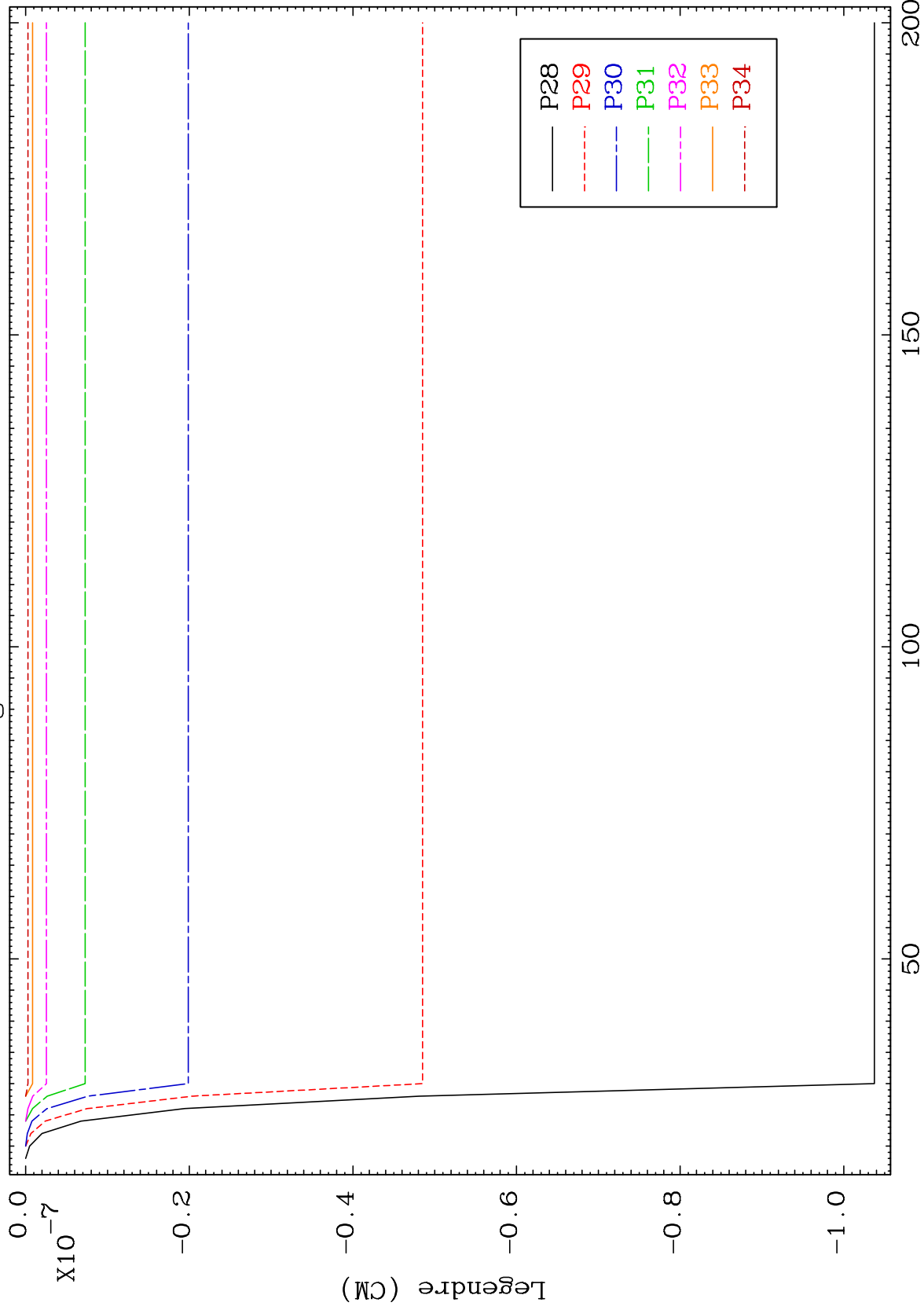
51-Sb-129

MAT 5149

MT= 67 (n,n') Level

51-Sb-129

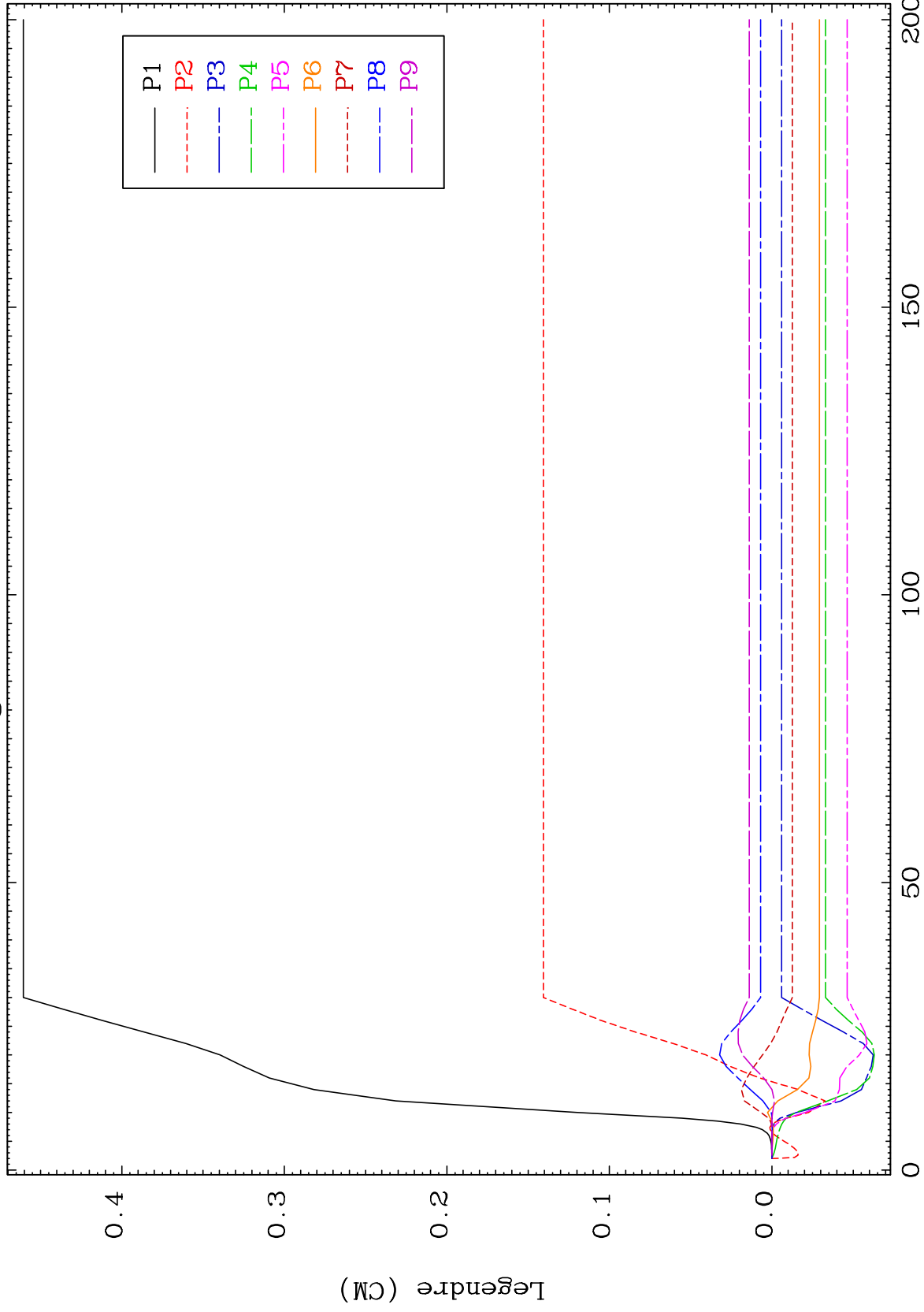
Legendre Coefficients



85

Incident Energy (MeV)

51-Sb-129

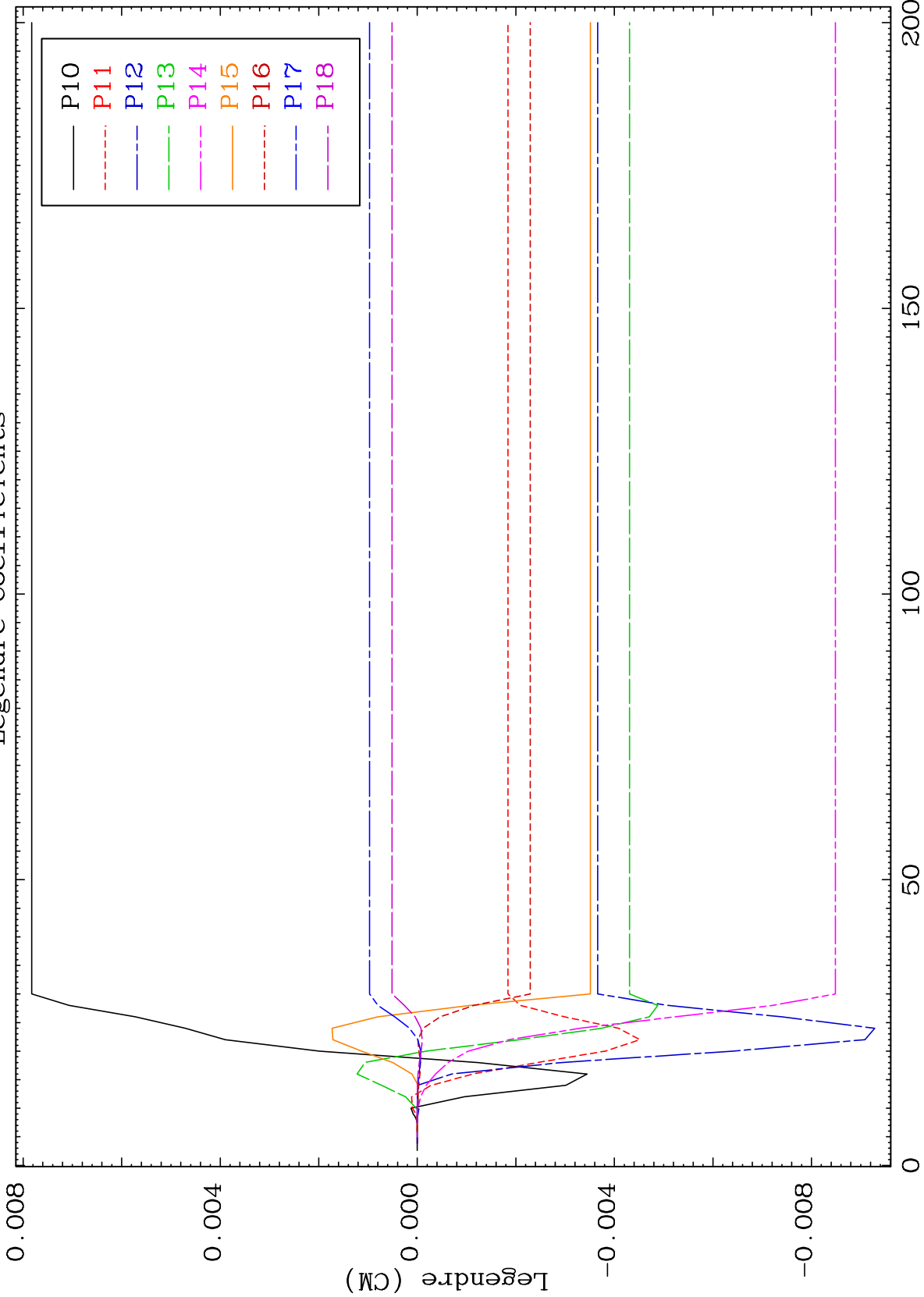


MAT 5149

MT= 68 (n,n') Level

51-Sb-129

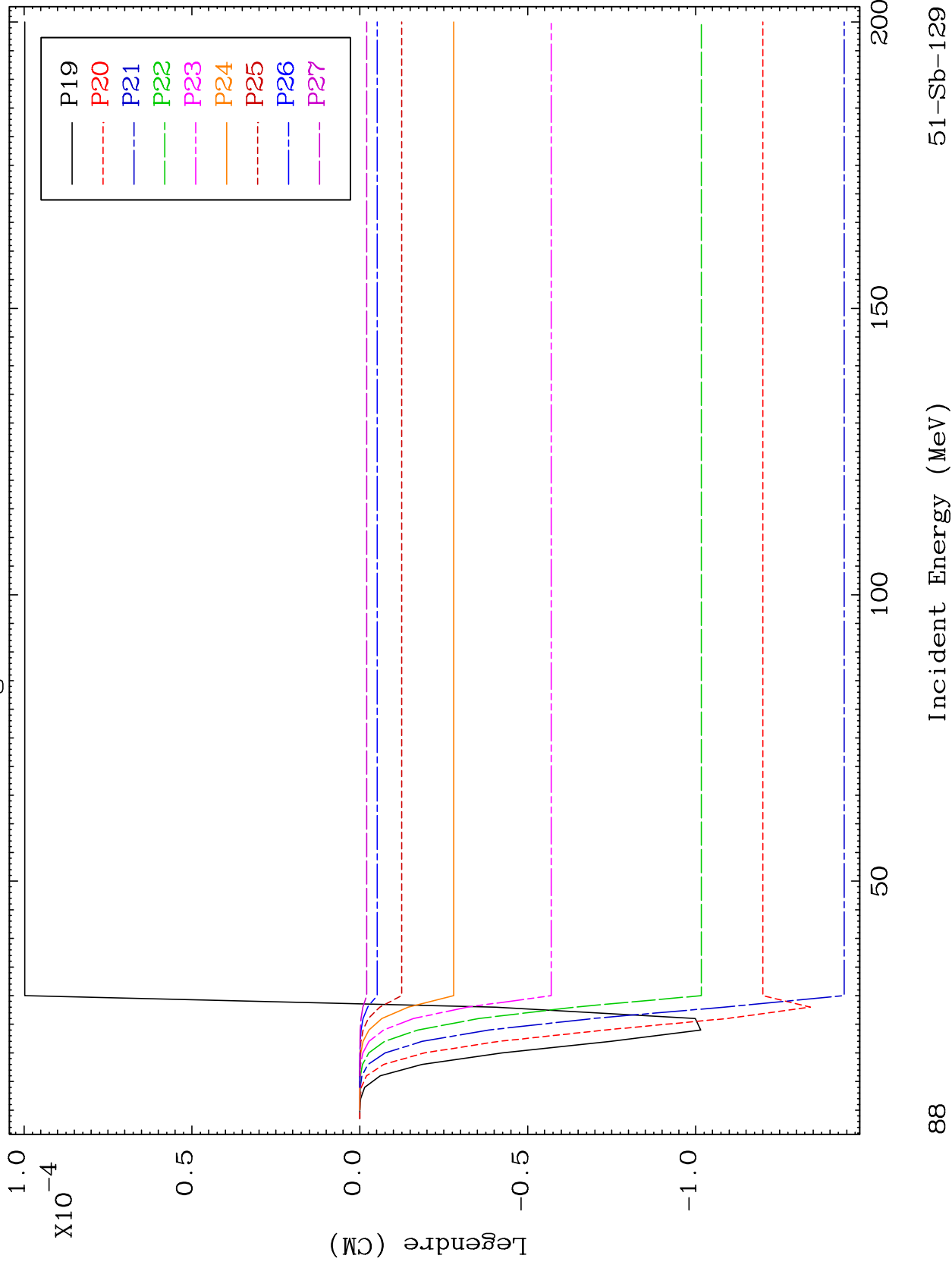
Legendre Coefficients



87

Incident Energy (MeV)

51-Sb-129

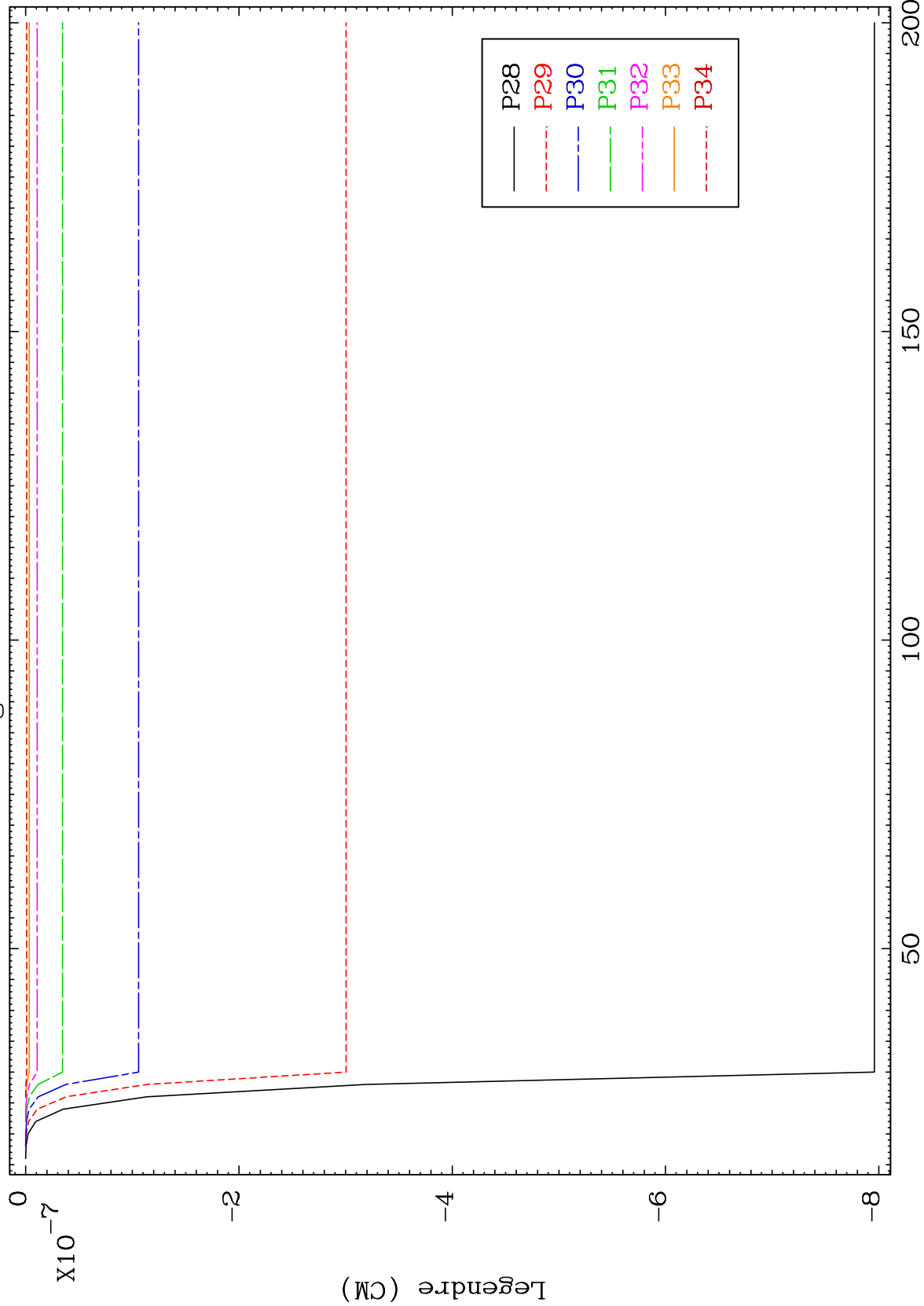


MAT 5149

MT= 68 (n,n') Level

51-Sb-129

Legendre Coefficients



89

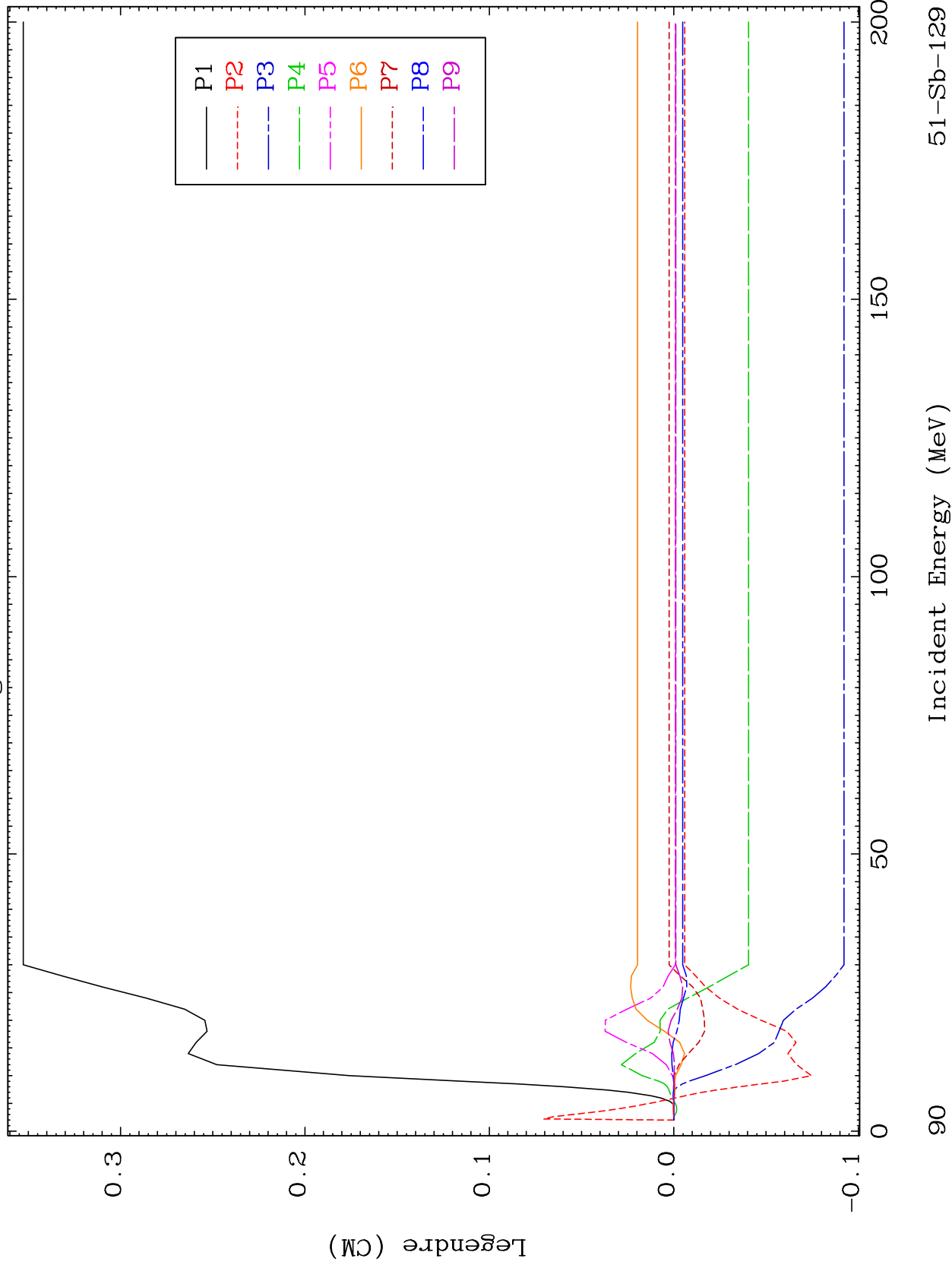
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

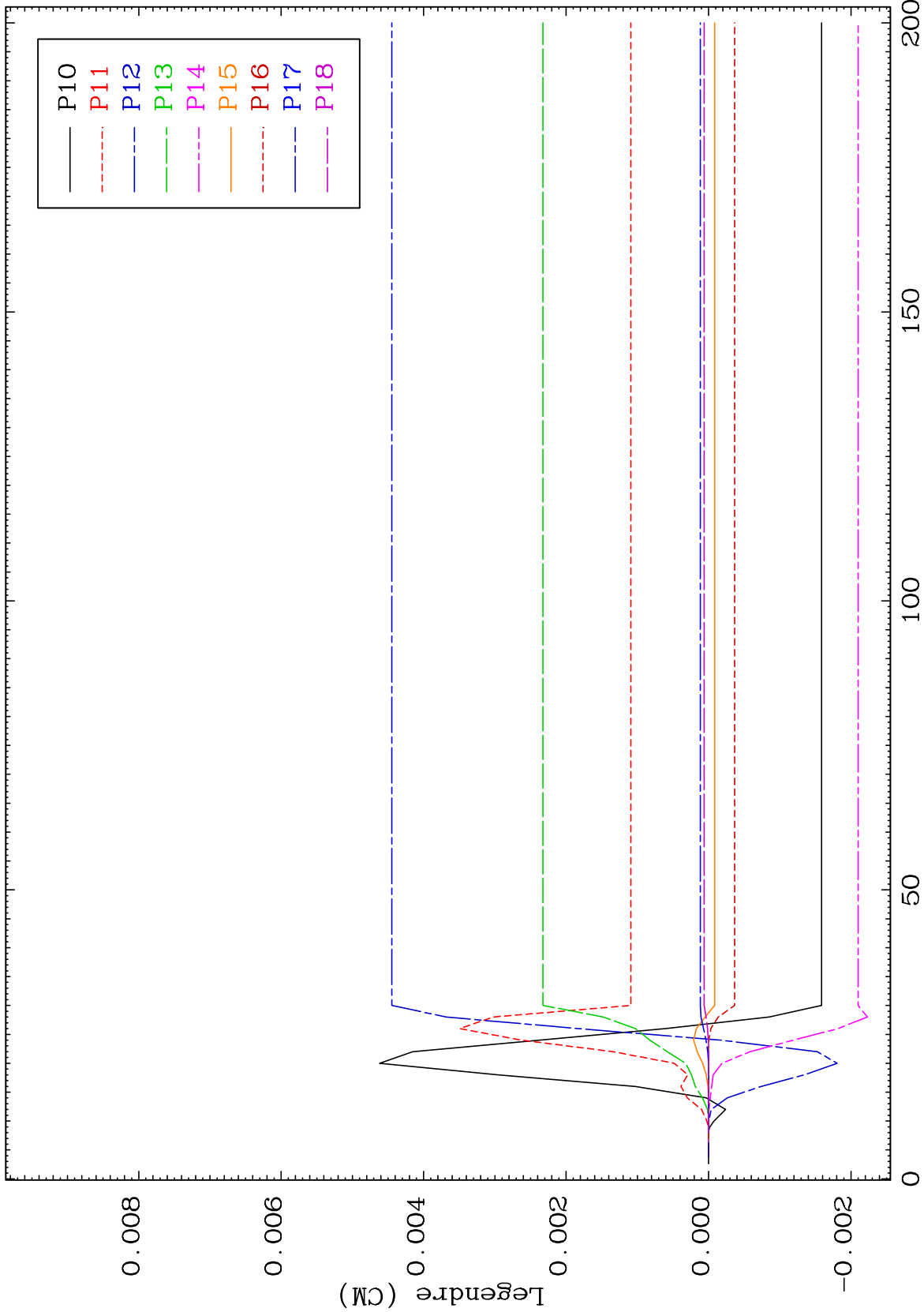
51-Sb-129



MAT 5149

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

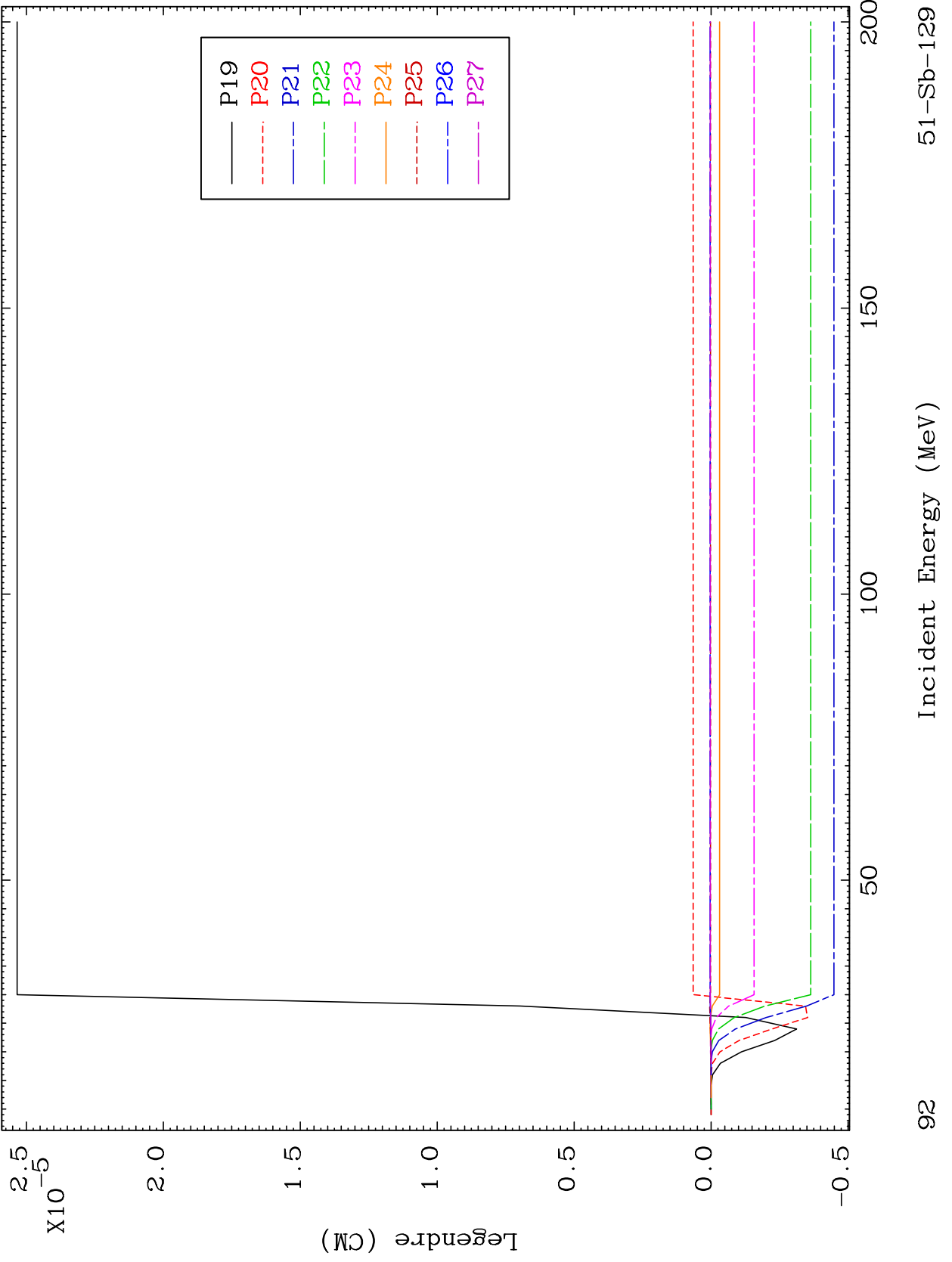
51-Sb-129



91

Incident Energy (MeV)

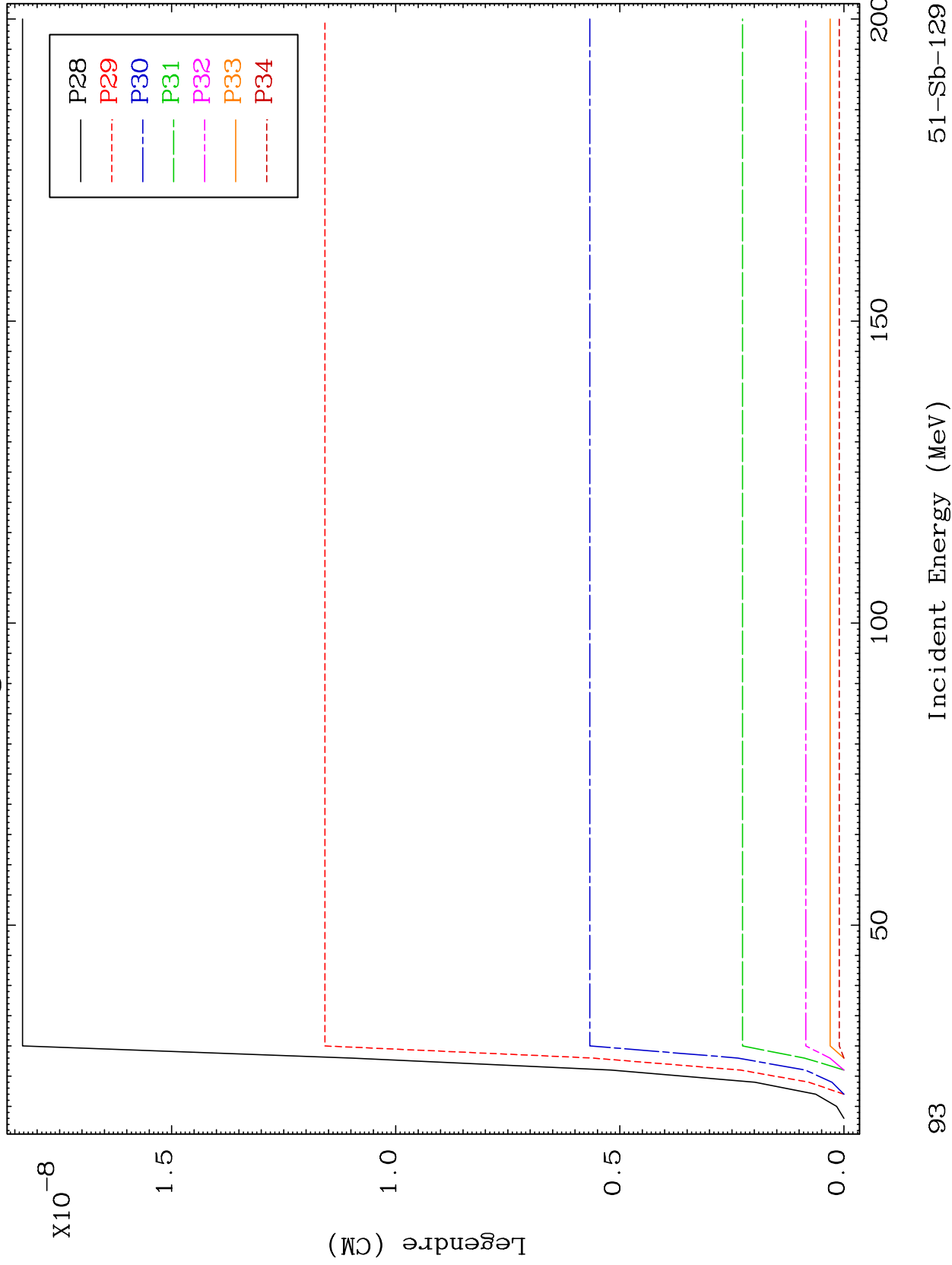
51-Sb-129



MAT 5149

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

51-Sb-129



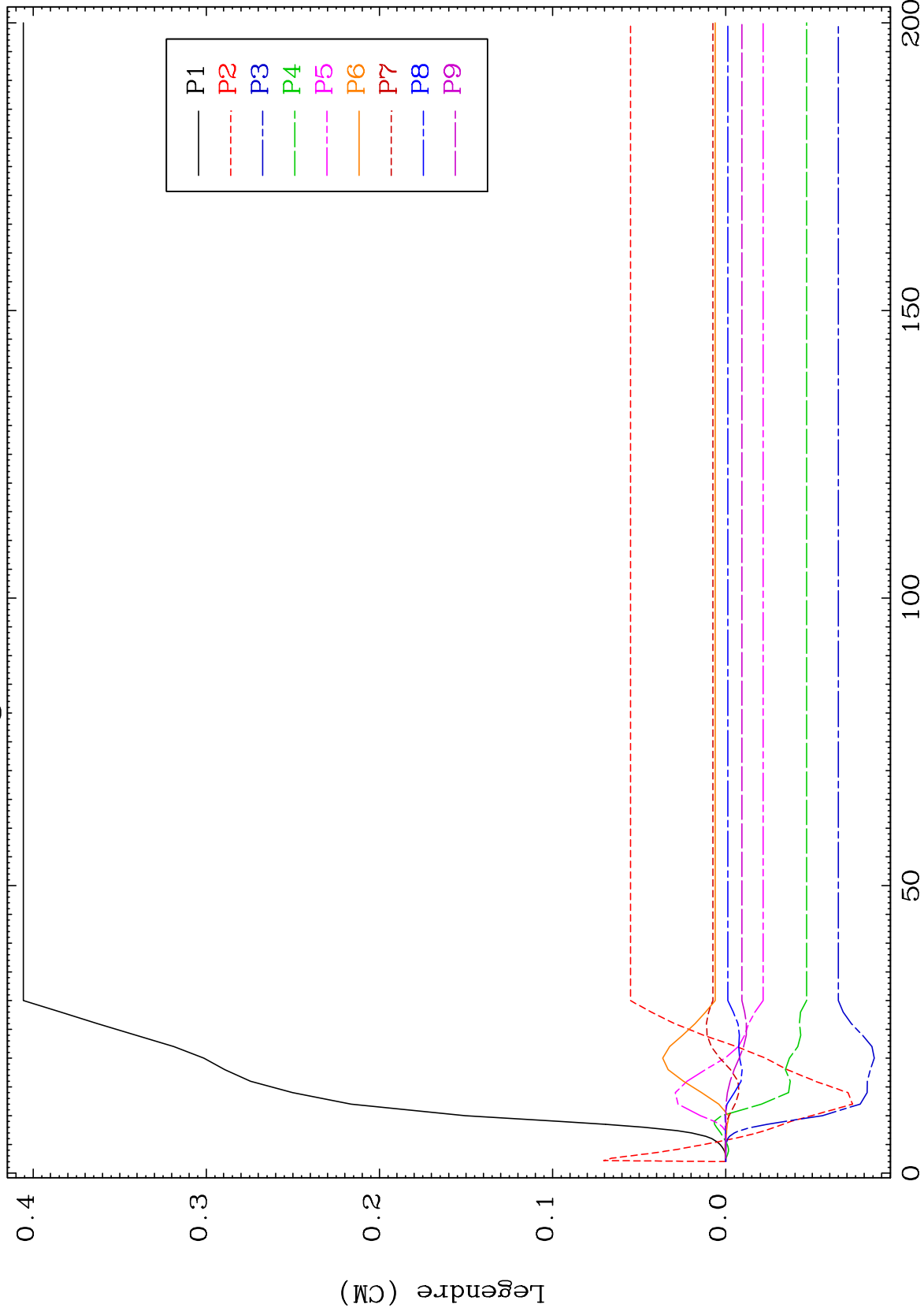
93

51-Sb-129

MAT 5149

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

51-Sb-129



94

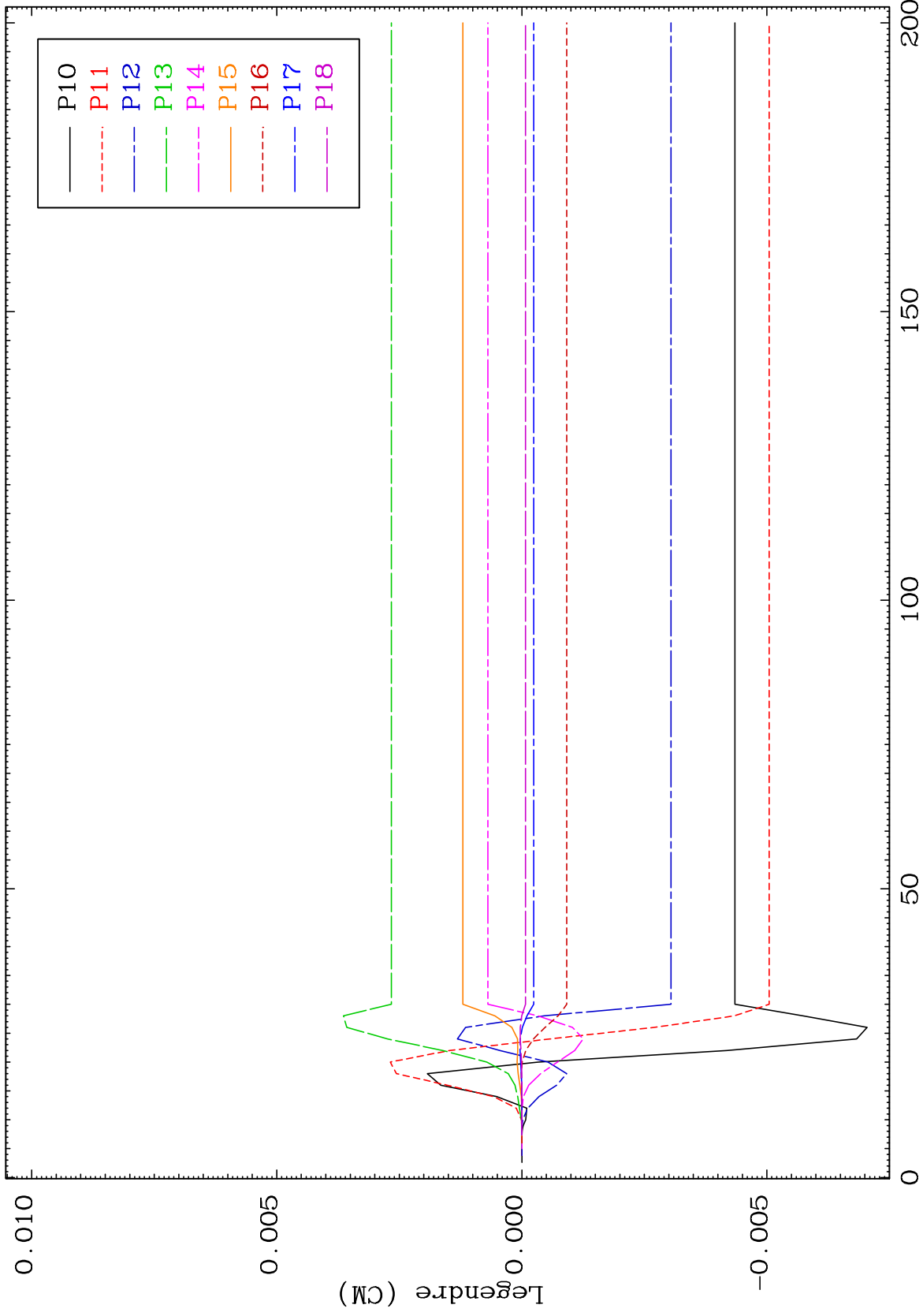
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



95

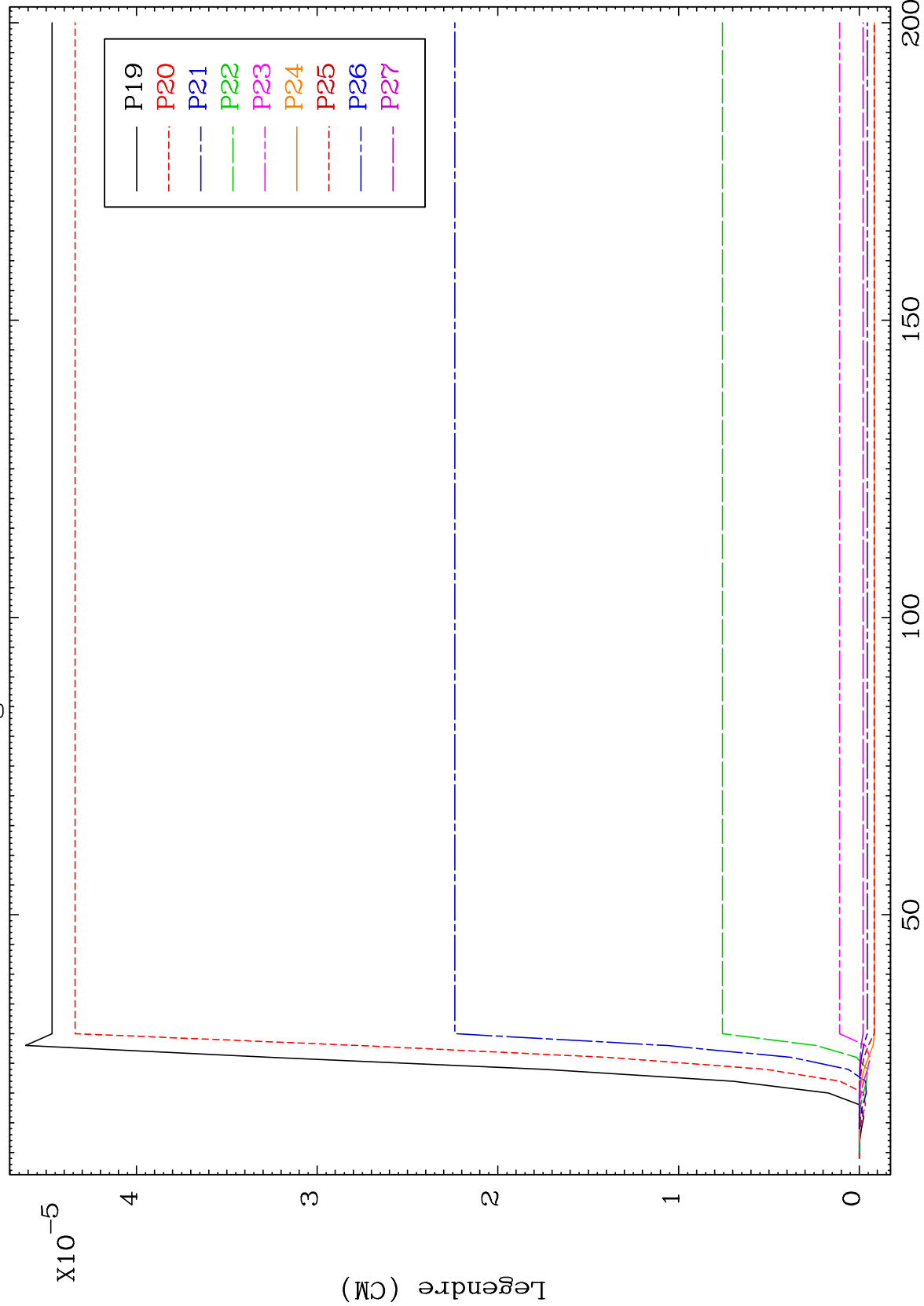
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



96

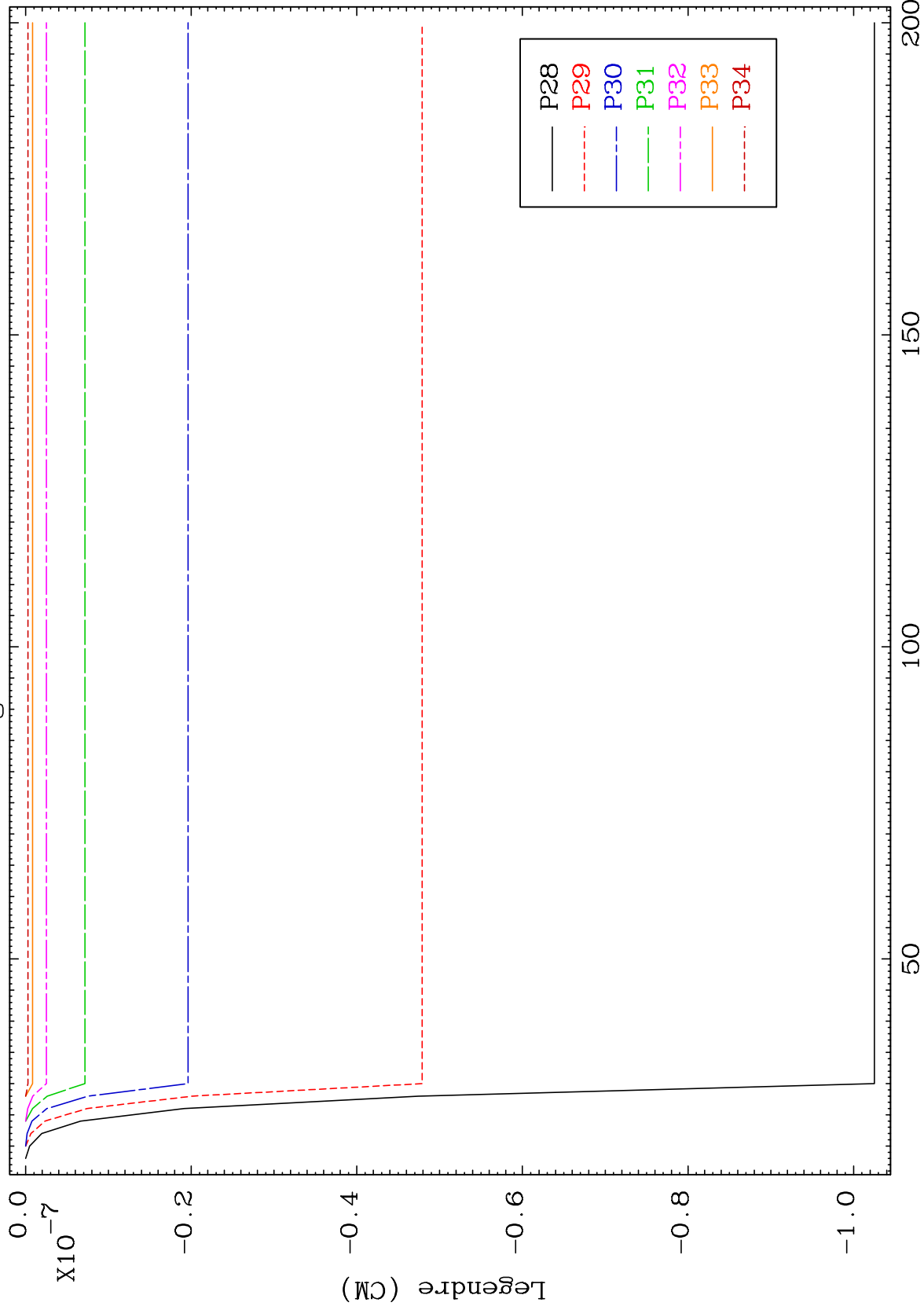
51-Sb-129

MAT 5149

MT= 70 (n,n') Level

51-Sb-129

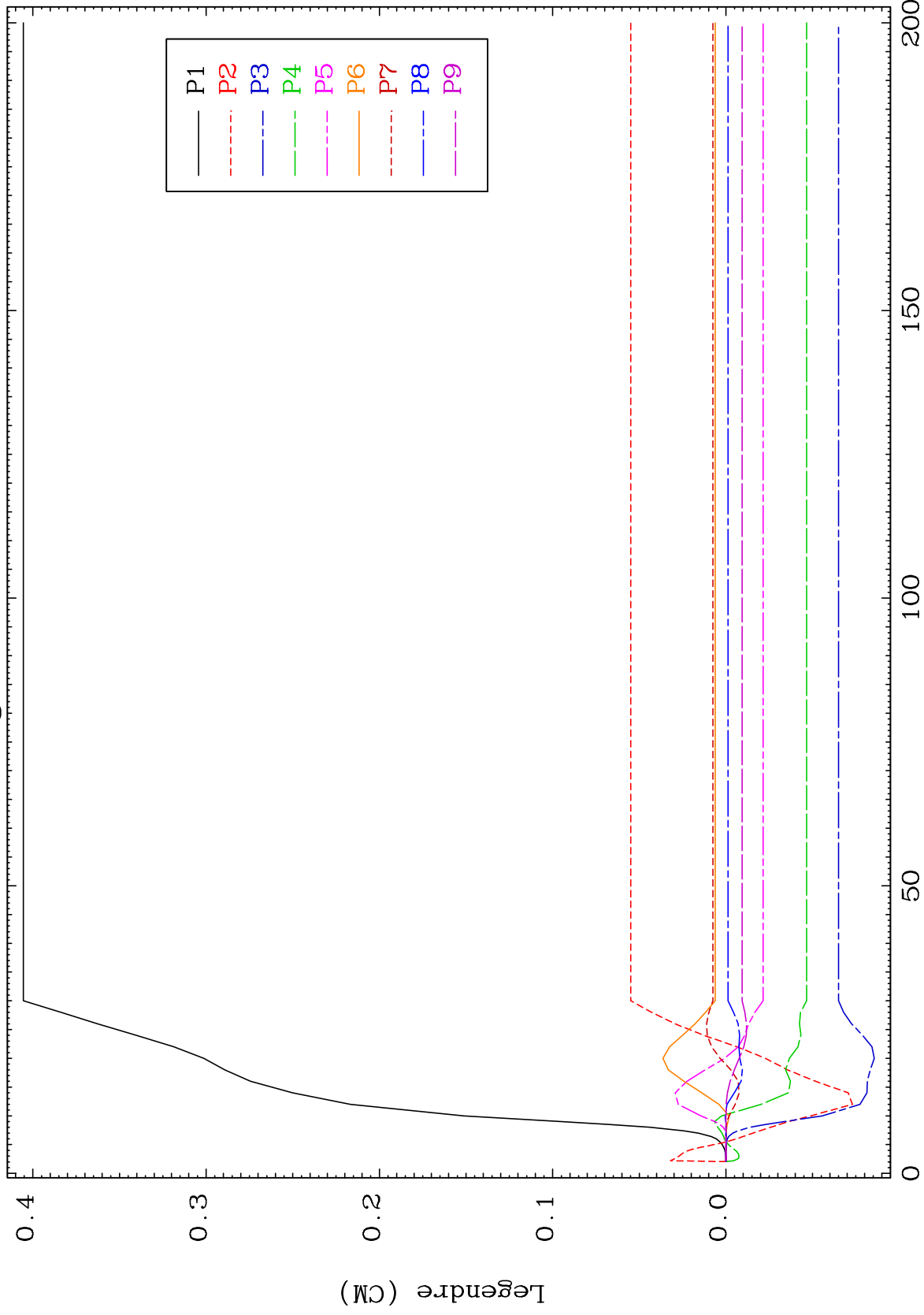
Legendre Coefficients



MAT 5149

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

51-Sb-129



98

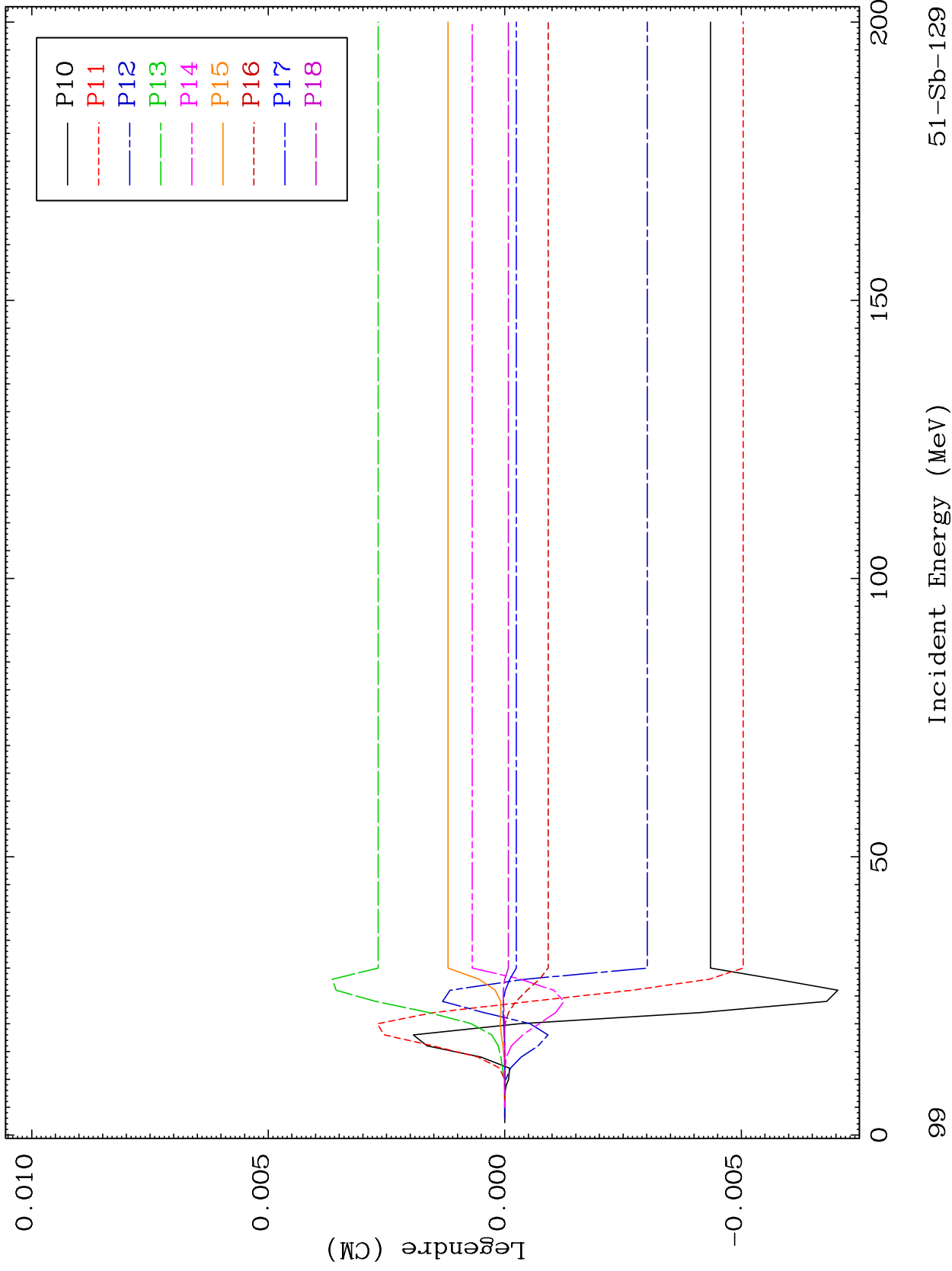
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



51-Sb-129

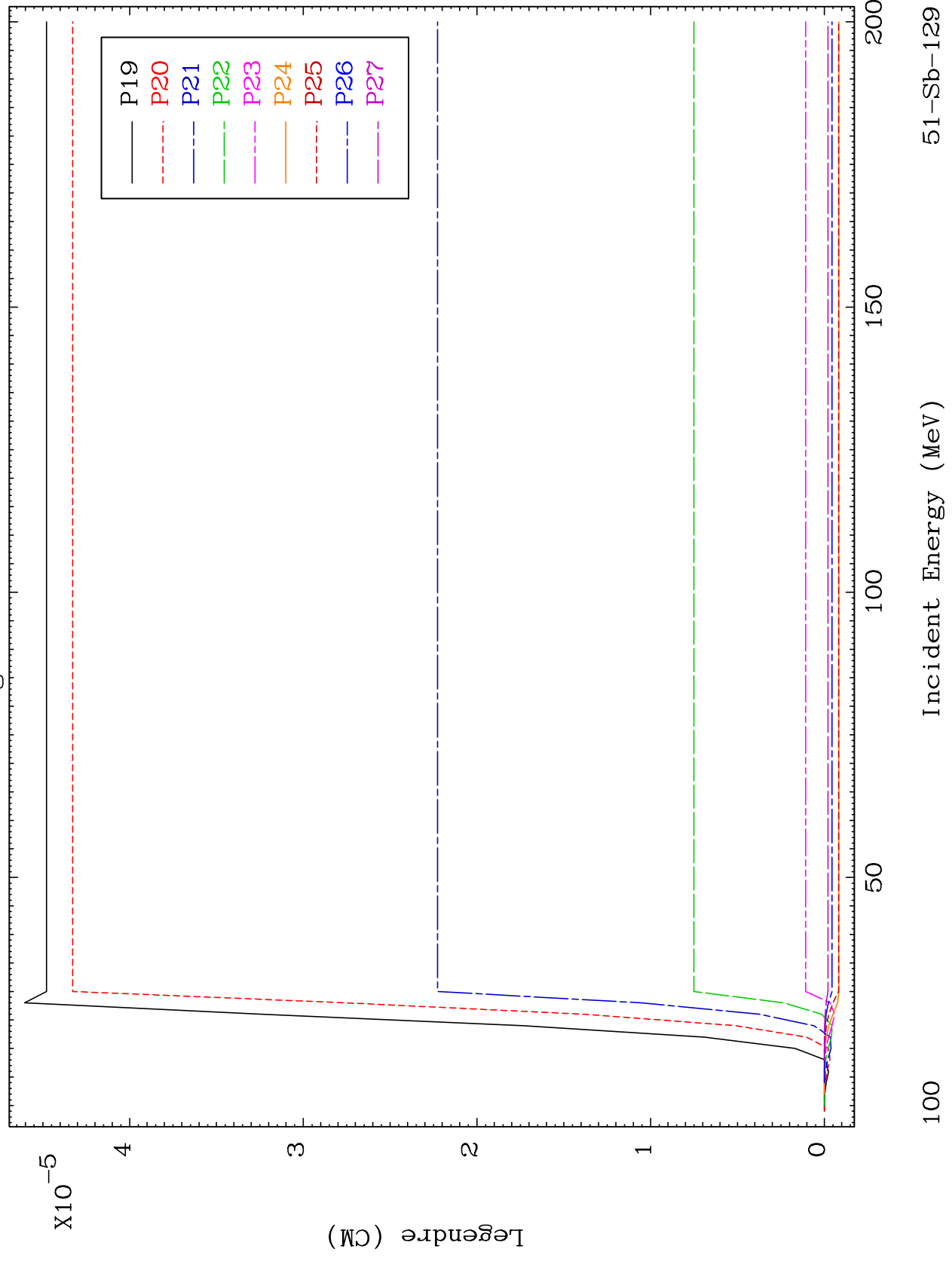
Incident Energy (MeV)

99

MAT 5149

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

51-Sb-129



51-Sb-129

Incident Energy (MeV)

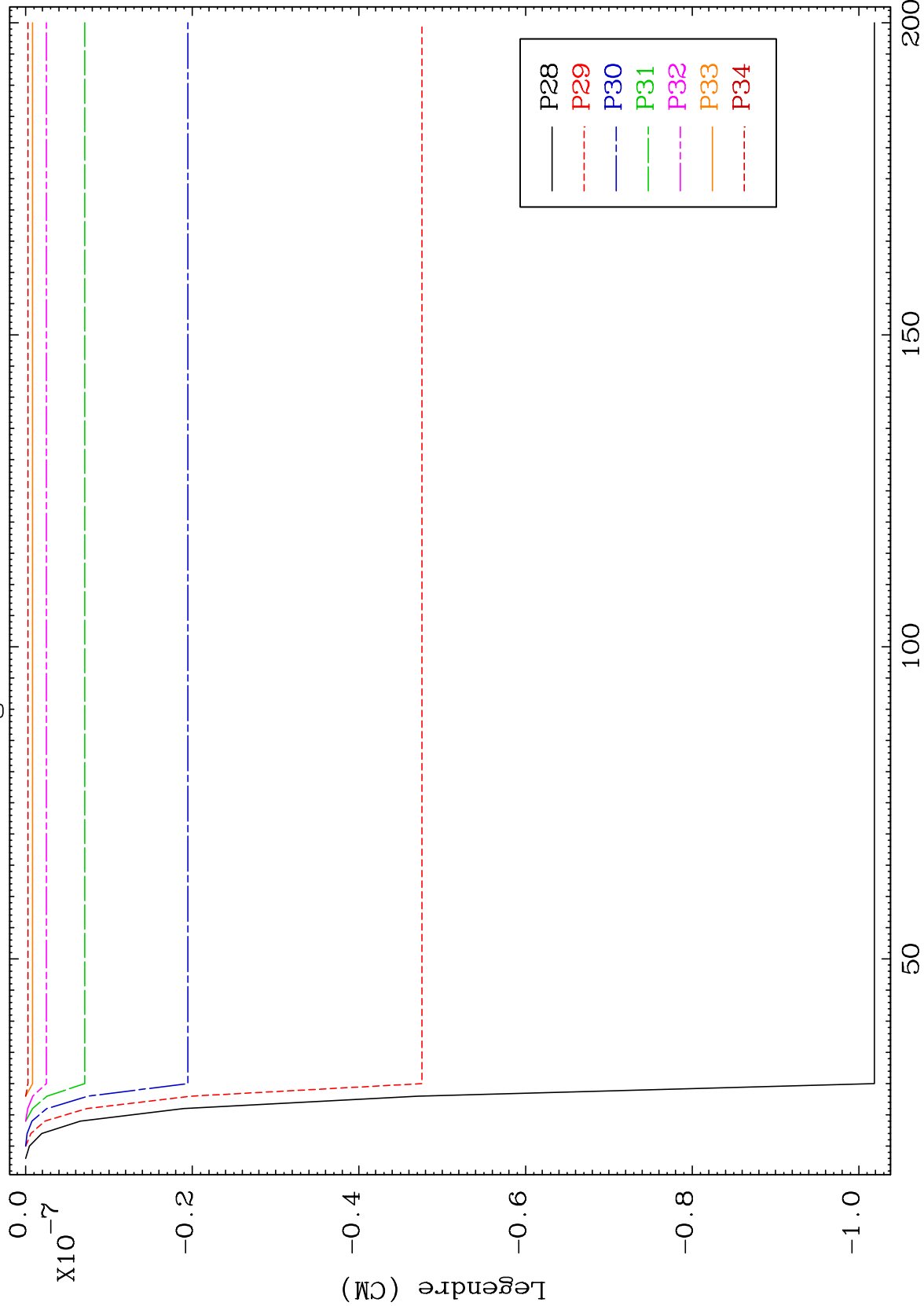
100

MAT 5149

MT= 71 (n,n') Level

51-Sb-129

Legendre Coefficients



101

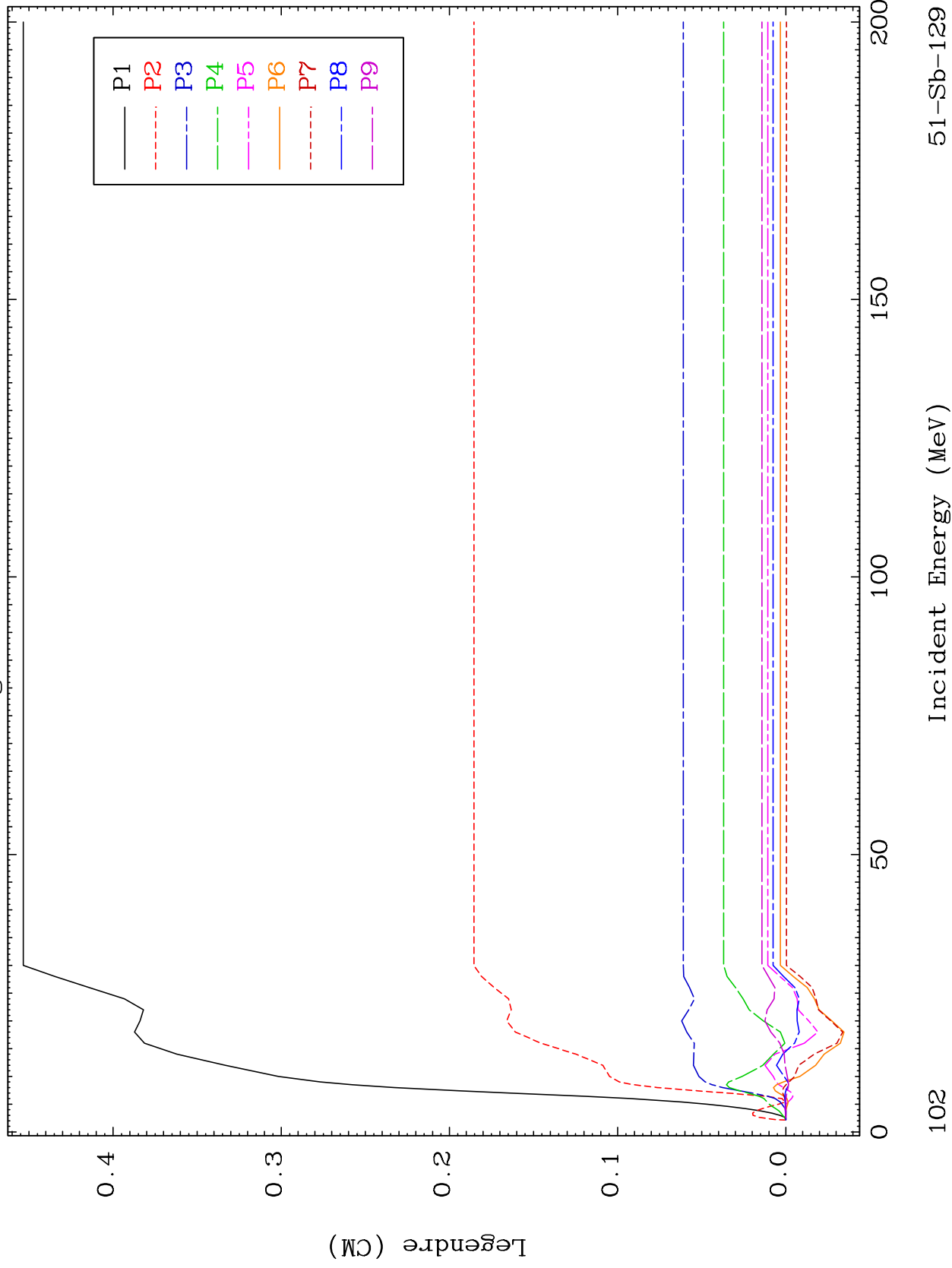
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



51-Sb-129

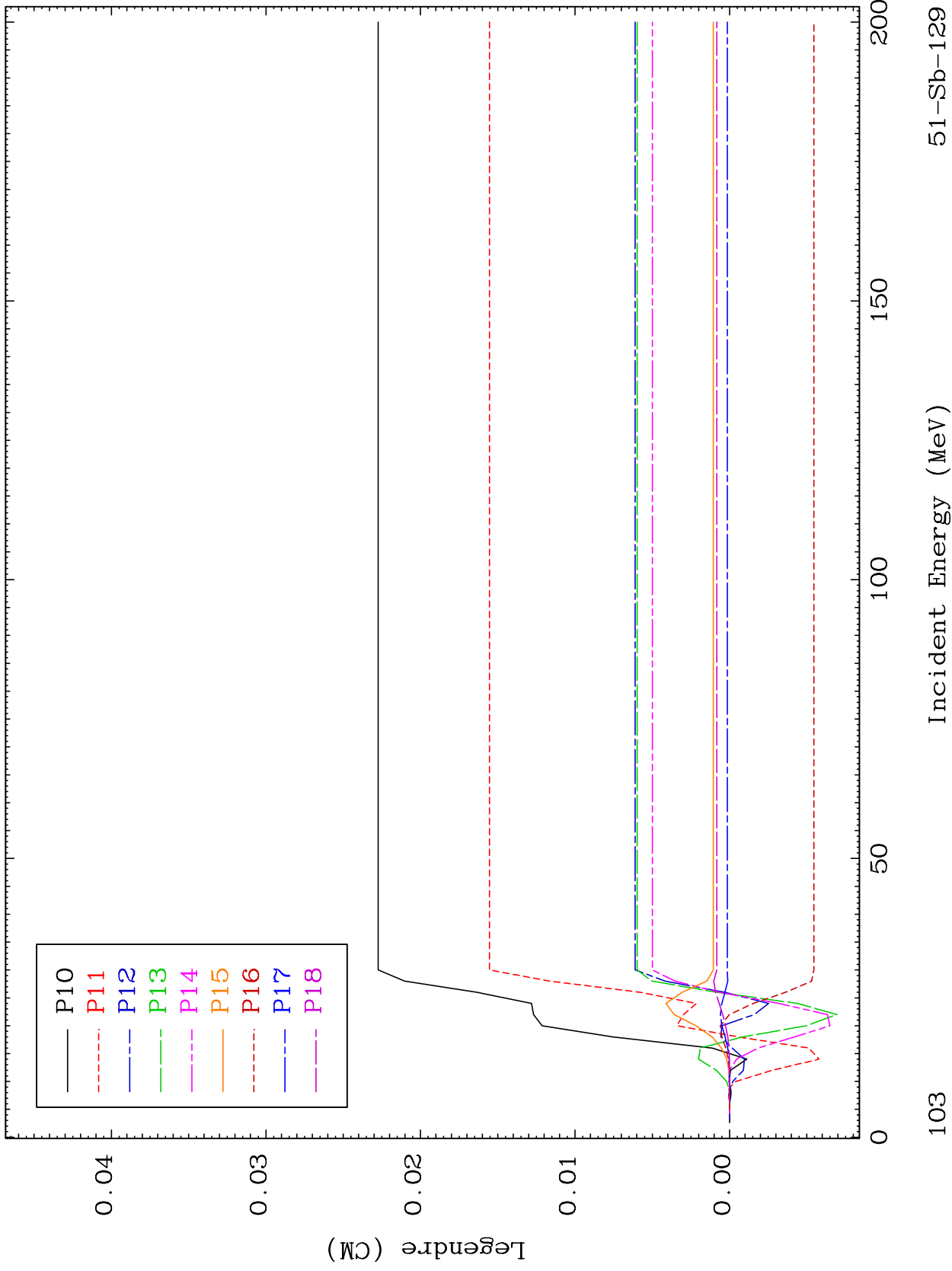
Incident Energy (MeV)

102

MAT 5149

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

51-Sb-129



103

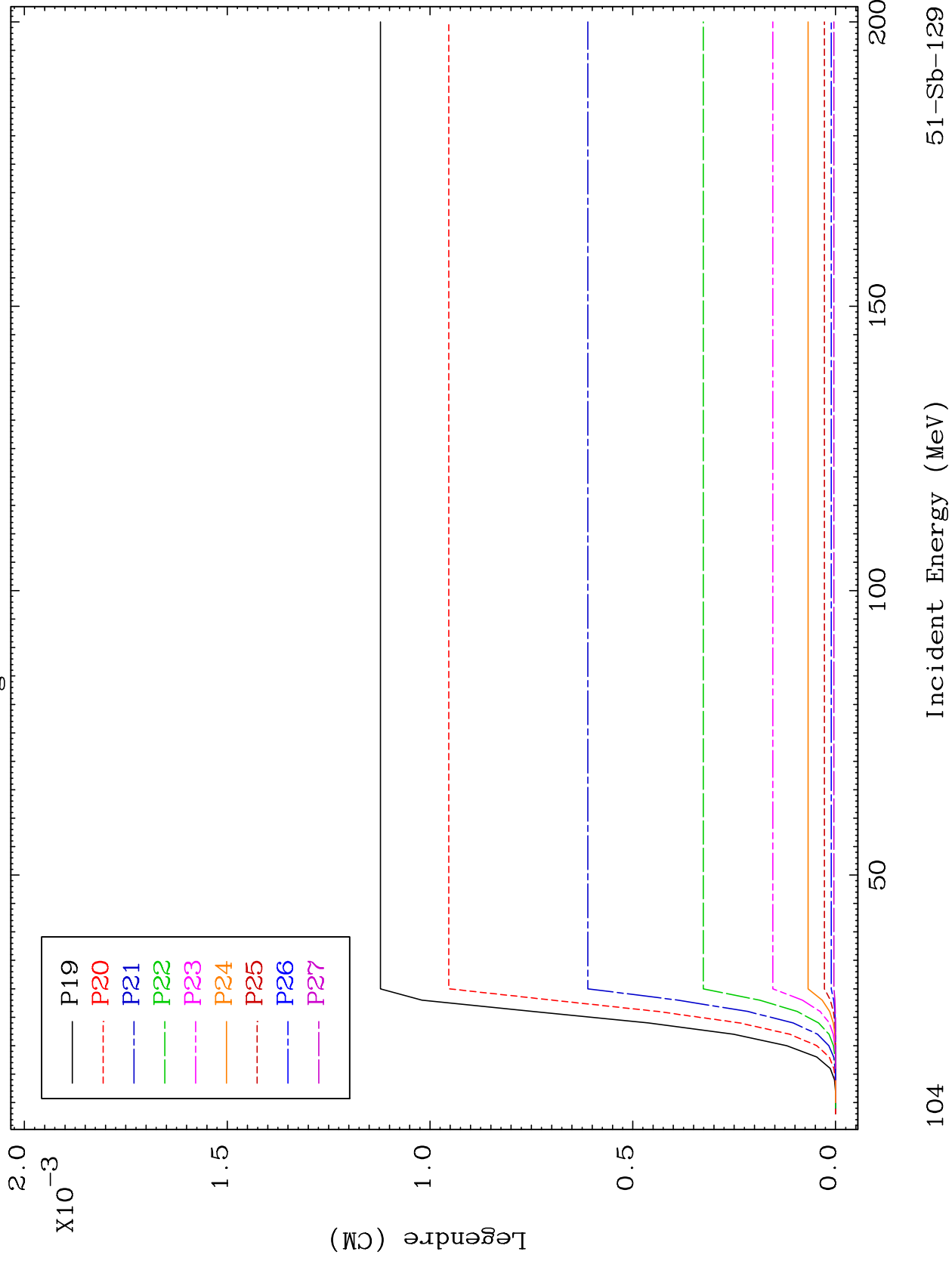
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

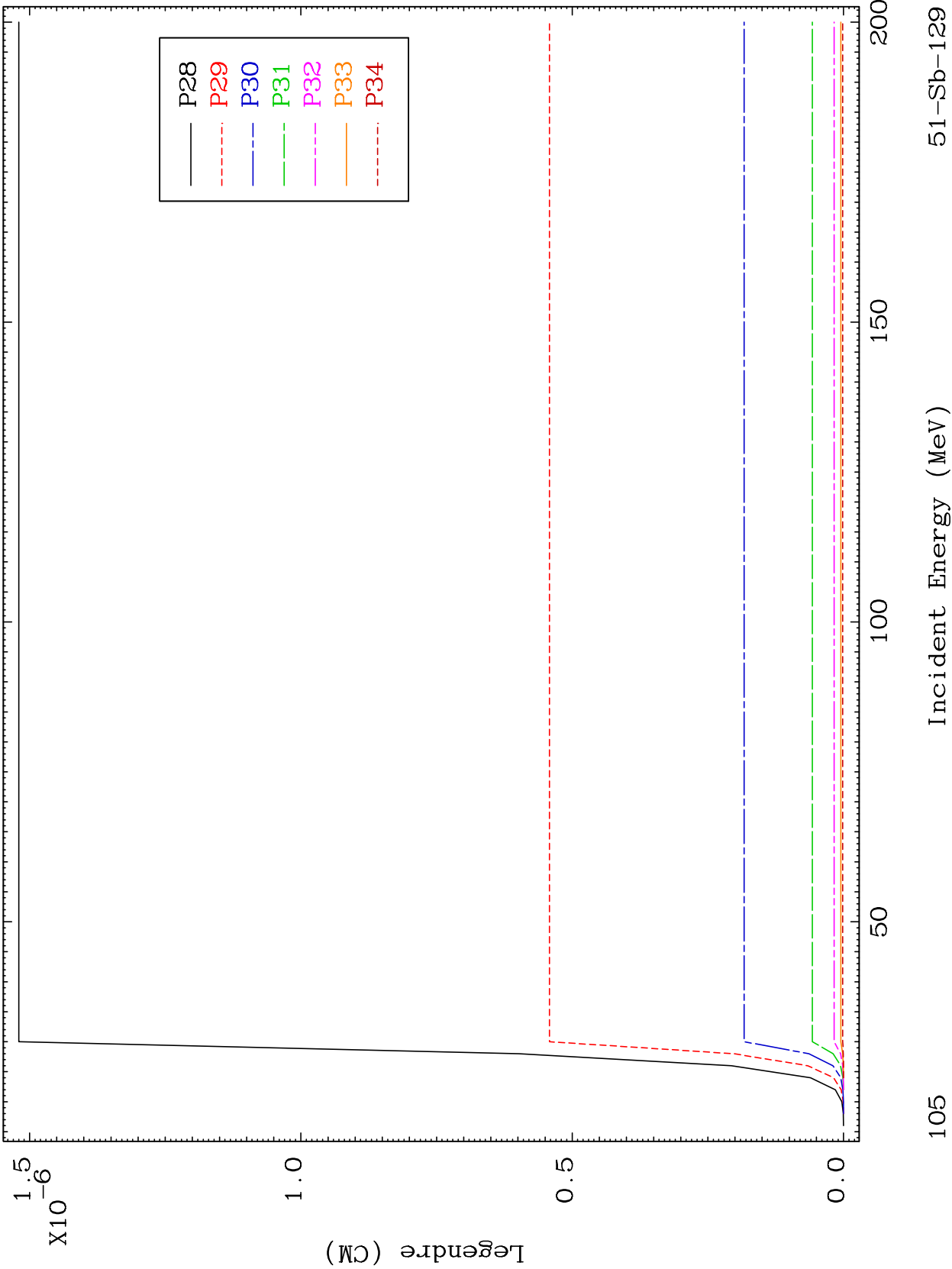
51-Sb-129



MAT 5149

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

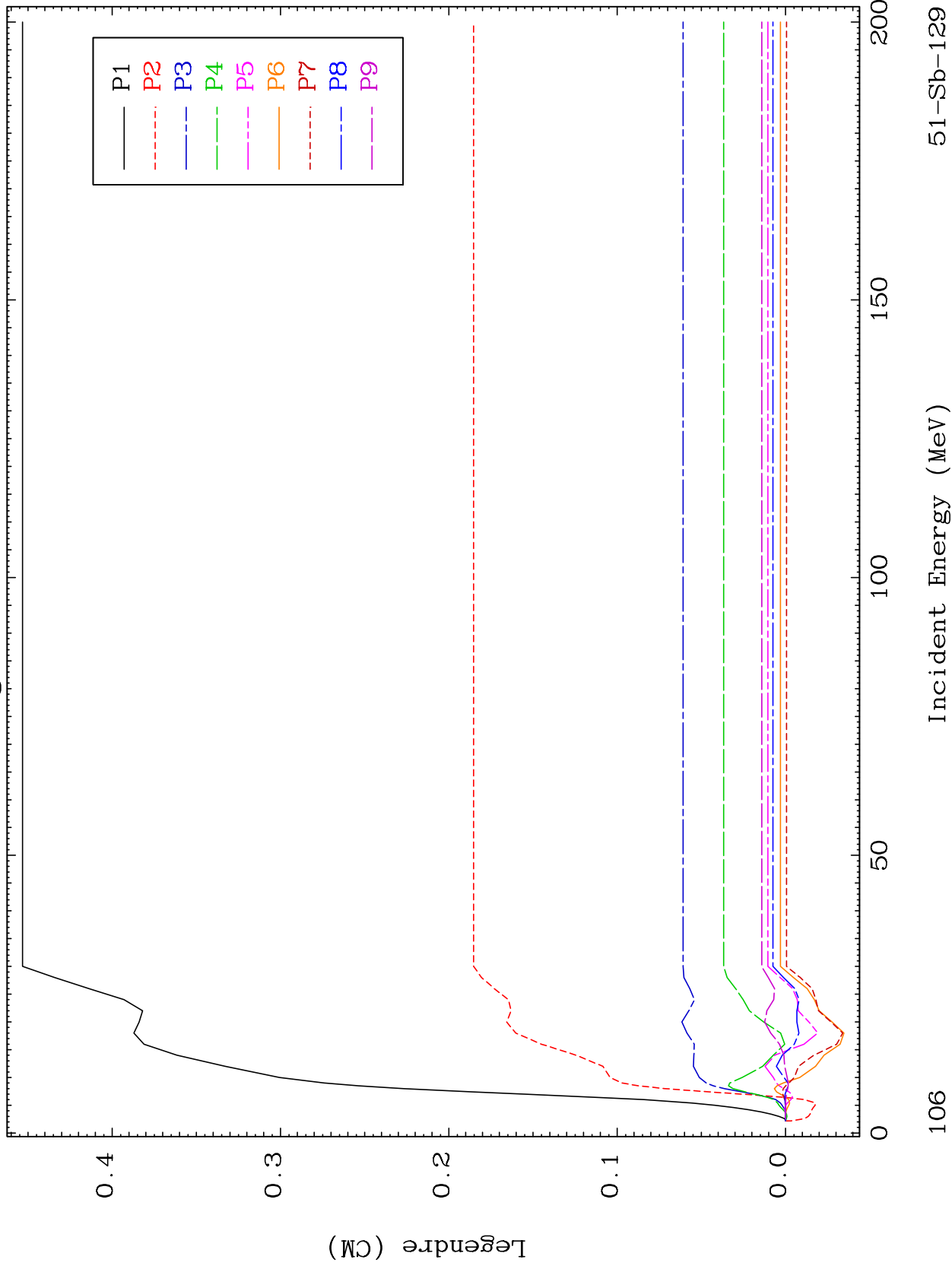
51-Sb-129



MAT 5149

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

51-Sb-129



51-Sb-129

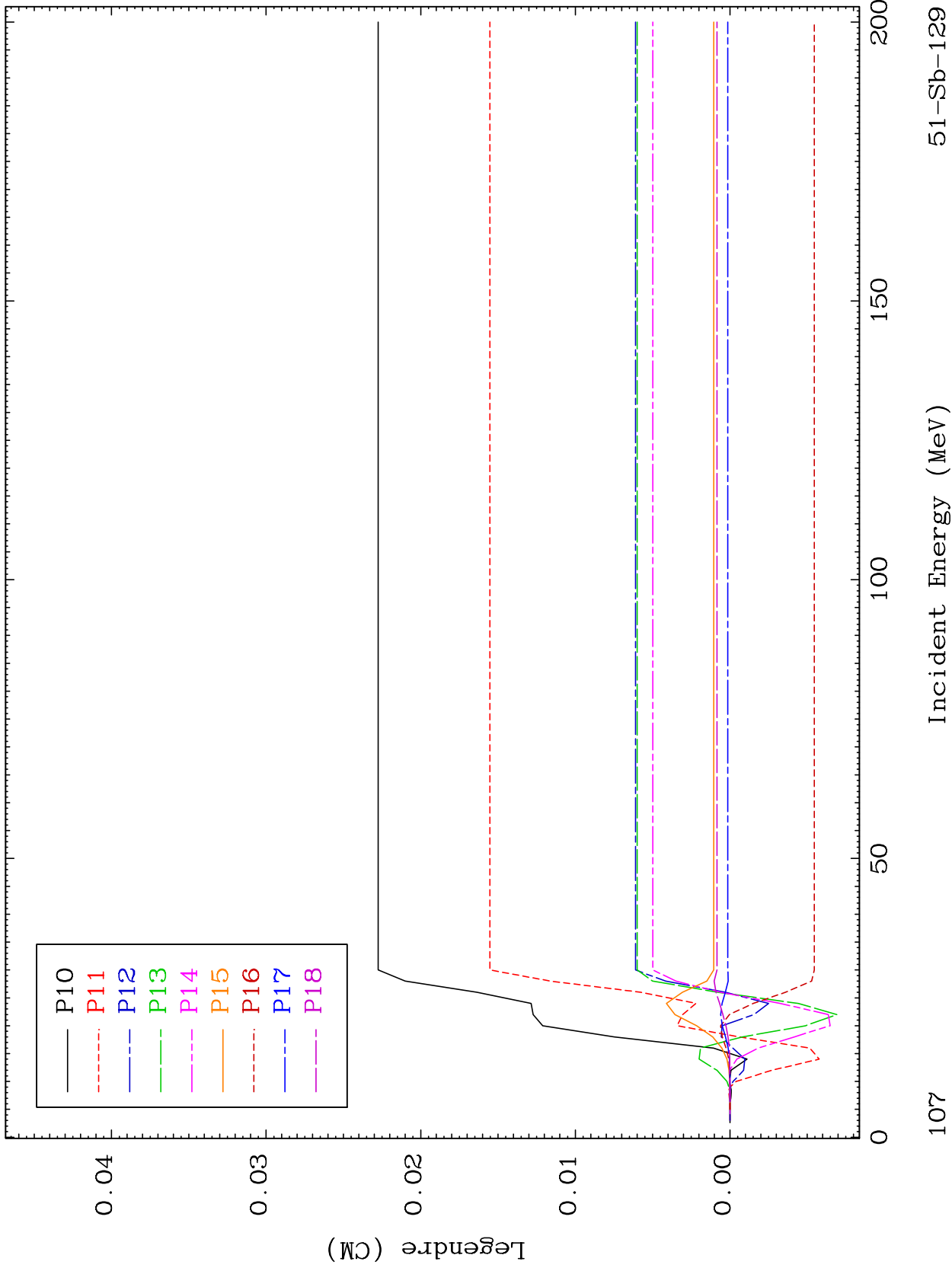
Incident Energy (MeV)

106

MAT 5149

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

51-Sb-129



107

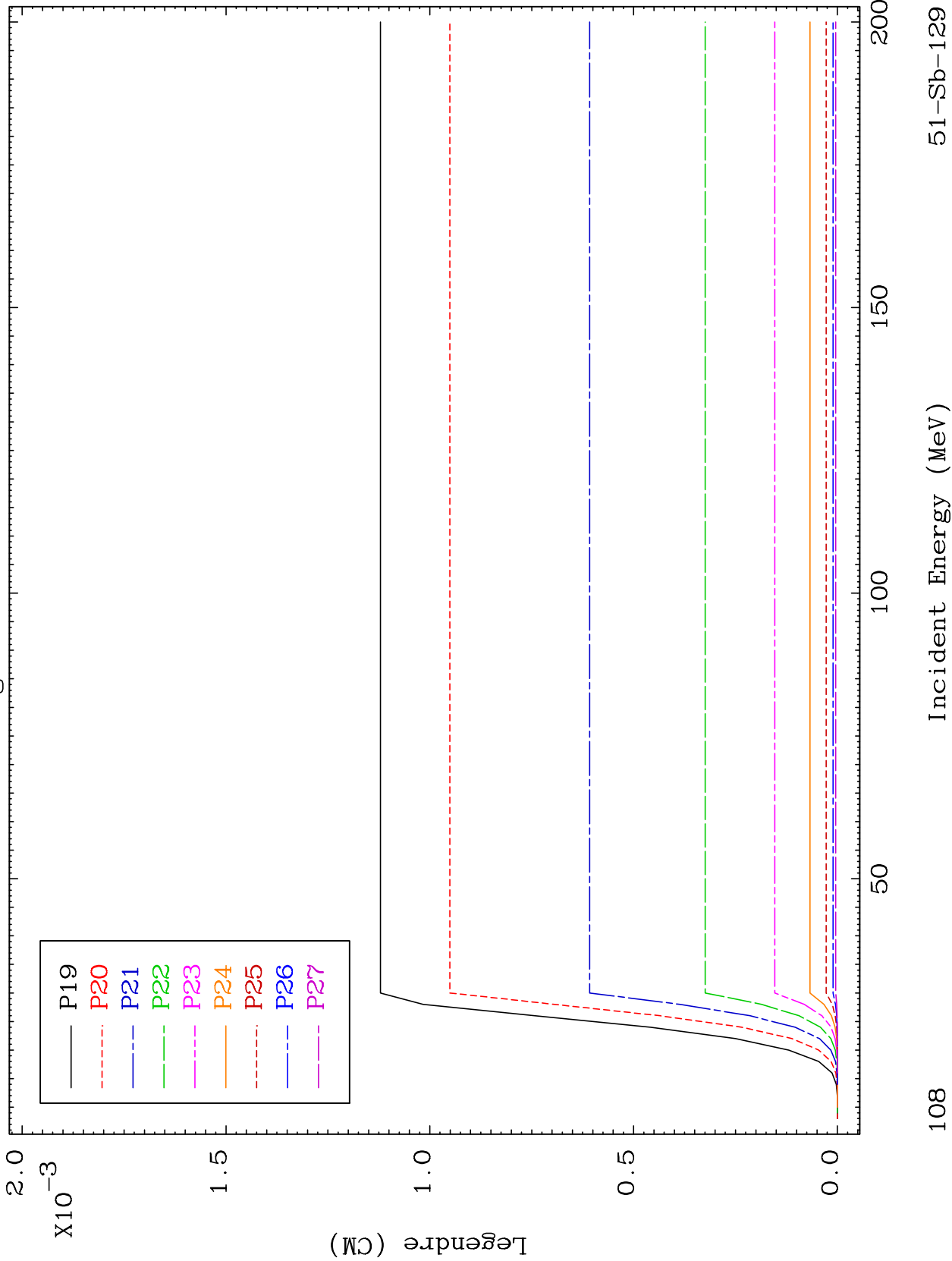
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



108

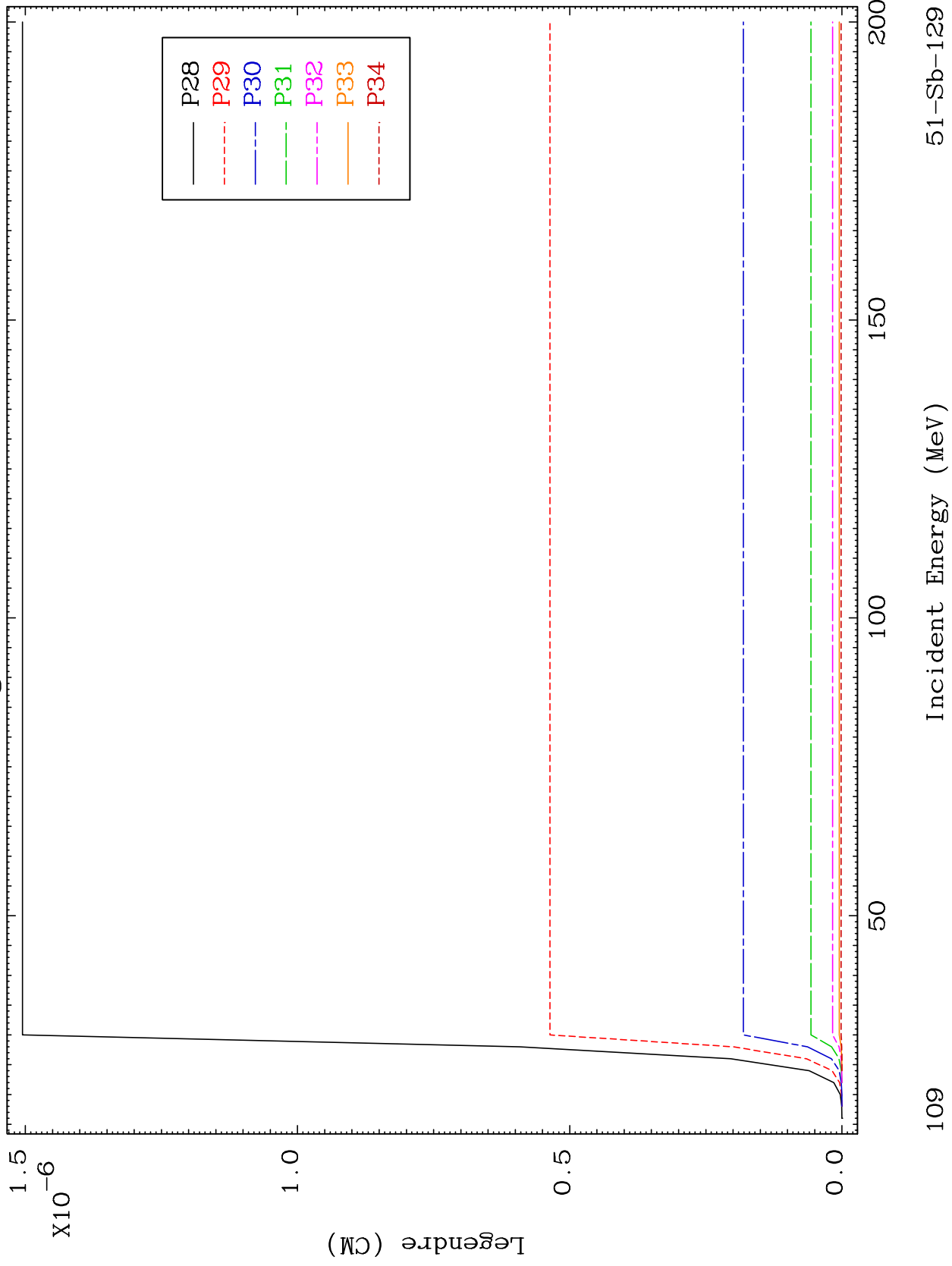
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



51-Sb-129

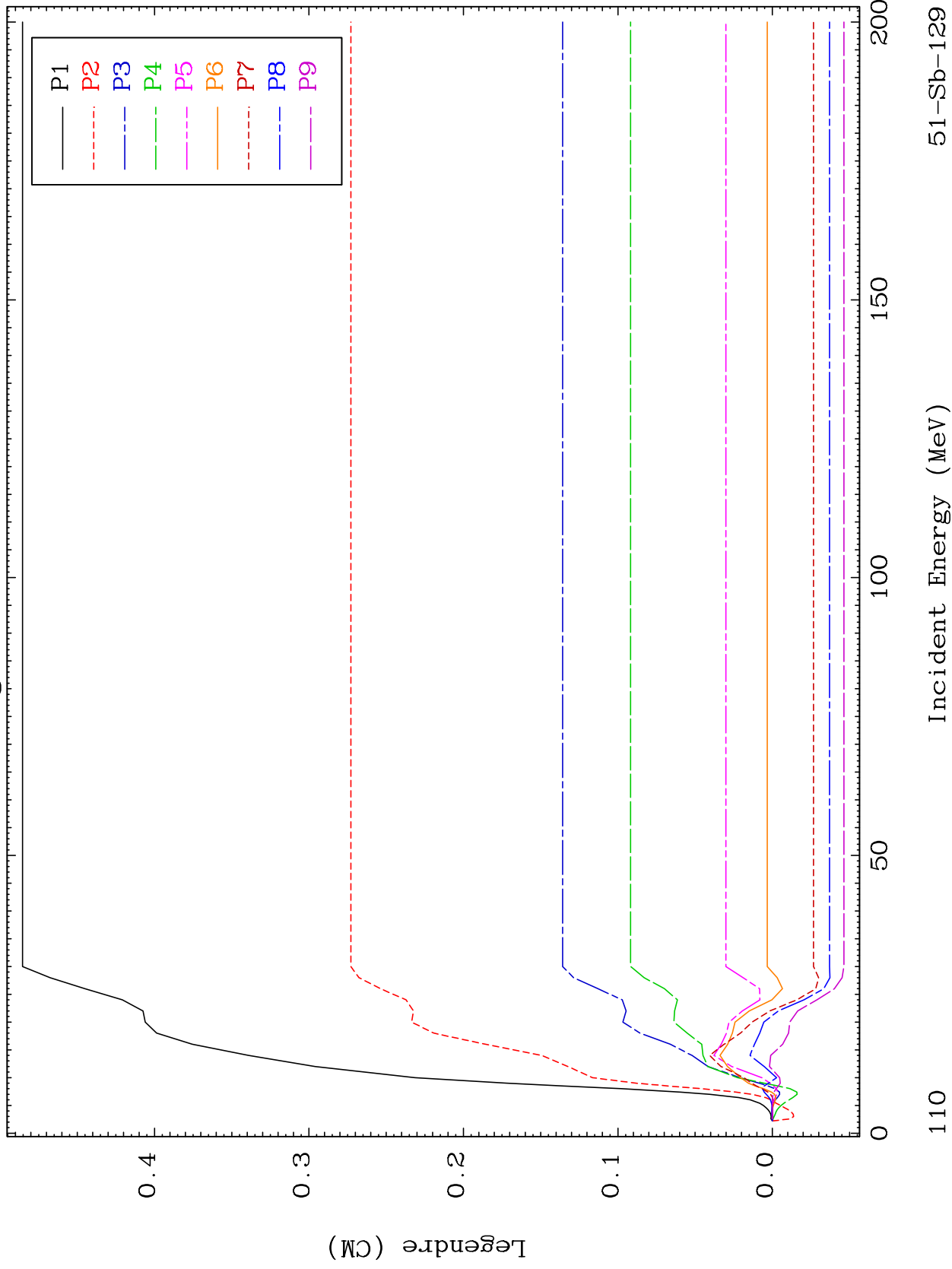
Incident Energy (MeV)

109

MAT 5149

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

51-Sb-129



51-Sb-129

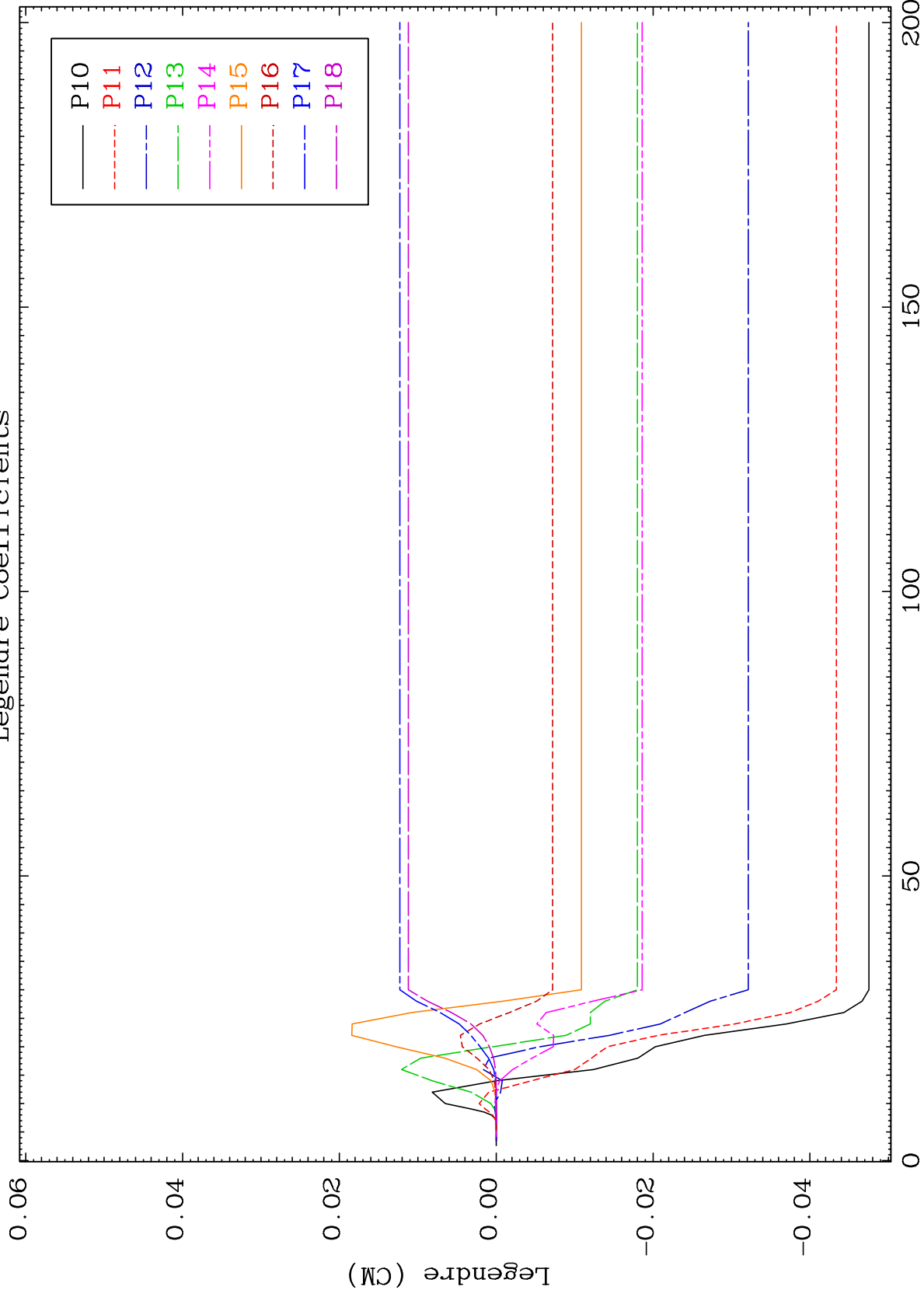
Incident Energy (MeV)

110

MAT 5149

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

51-Sb-129



111

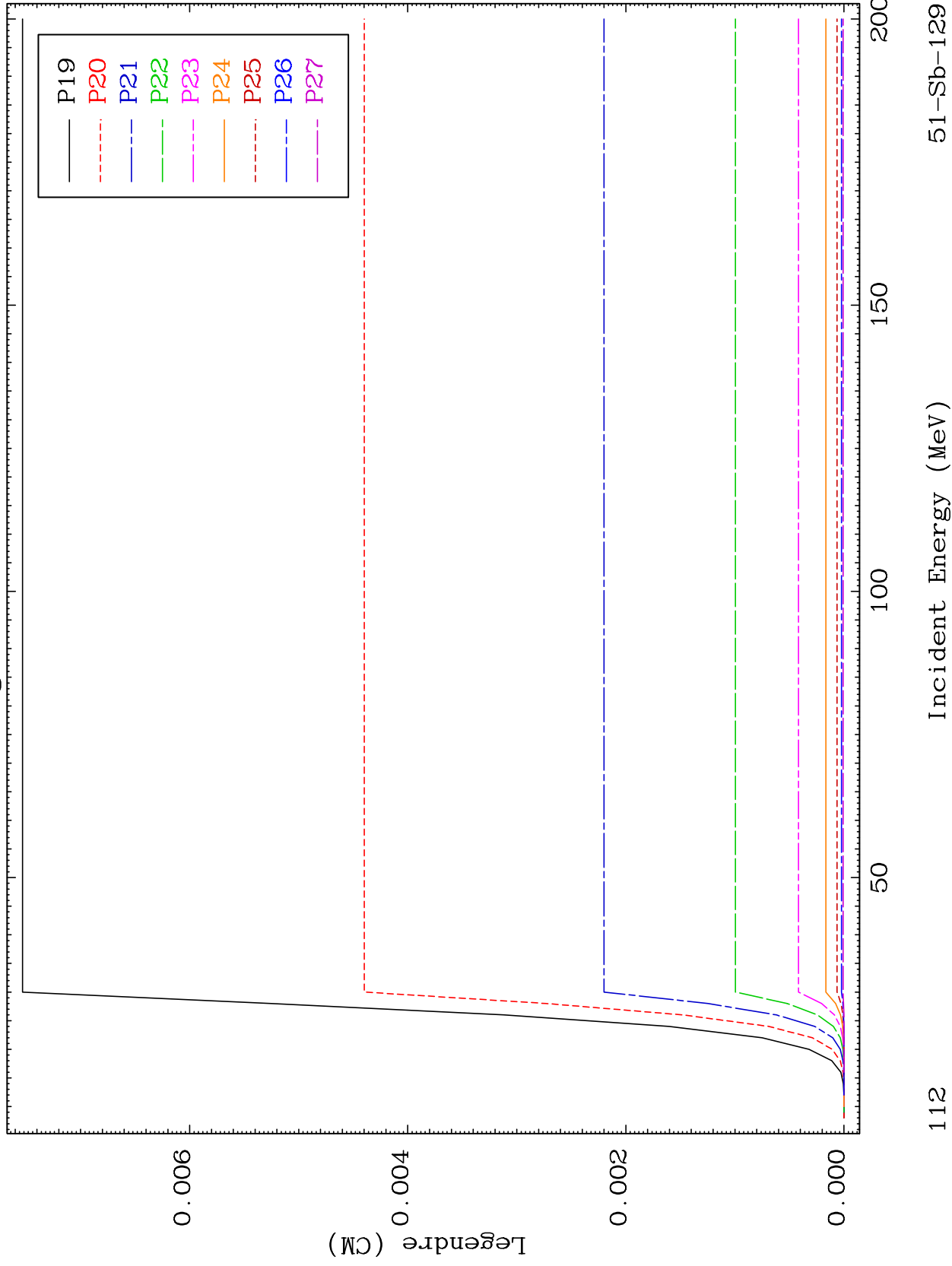
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



112

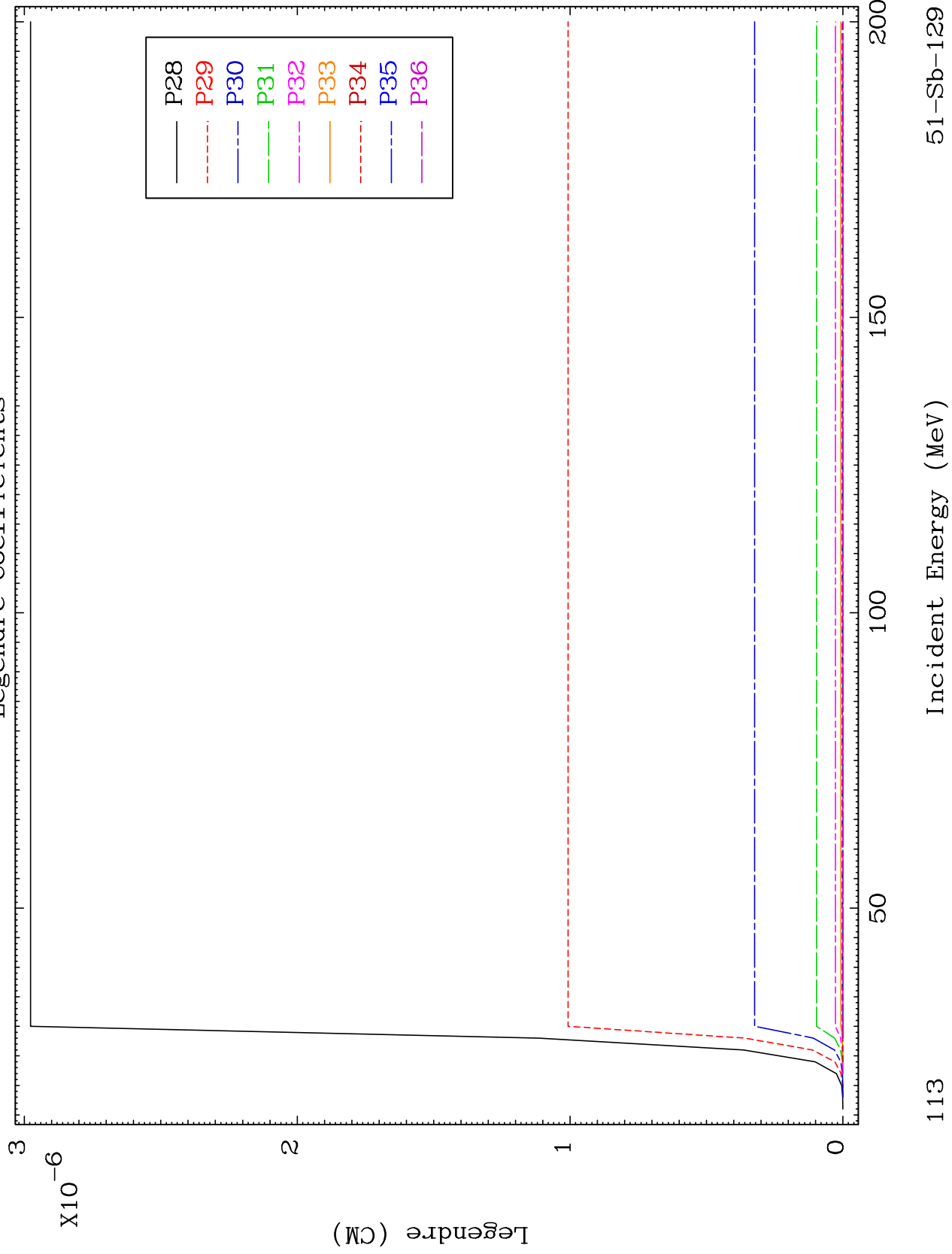
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



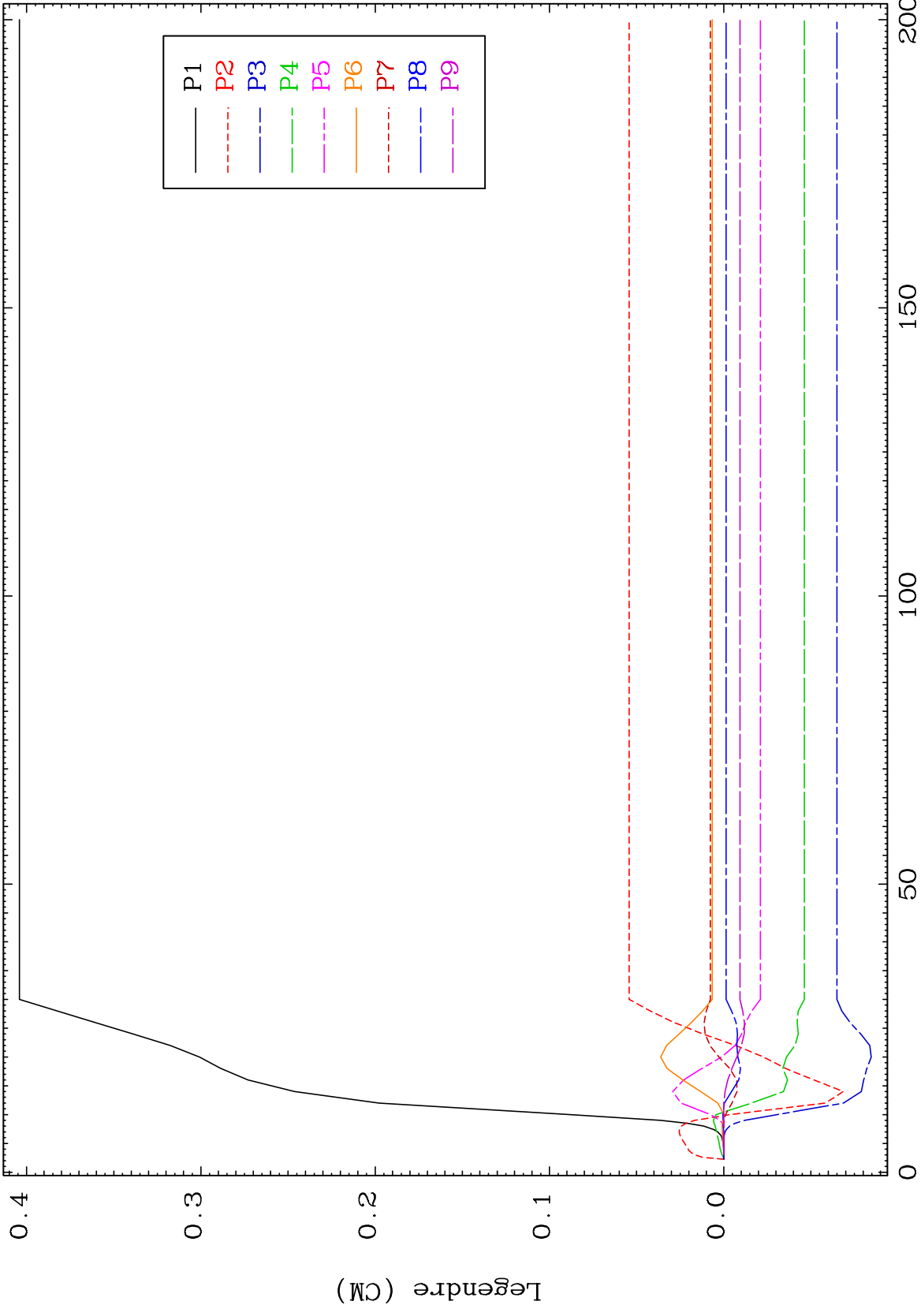
113

51-Sb-129

MAT 5149

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

51-Sb-129



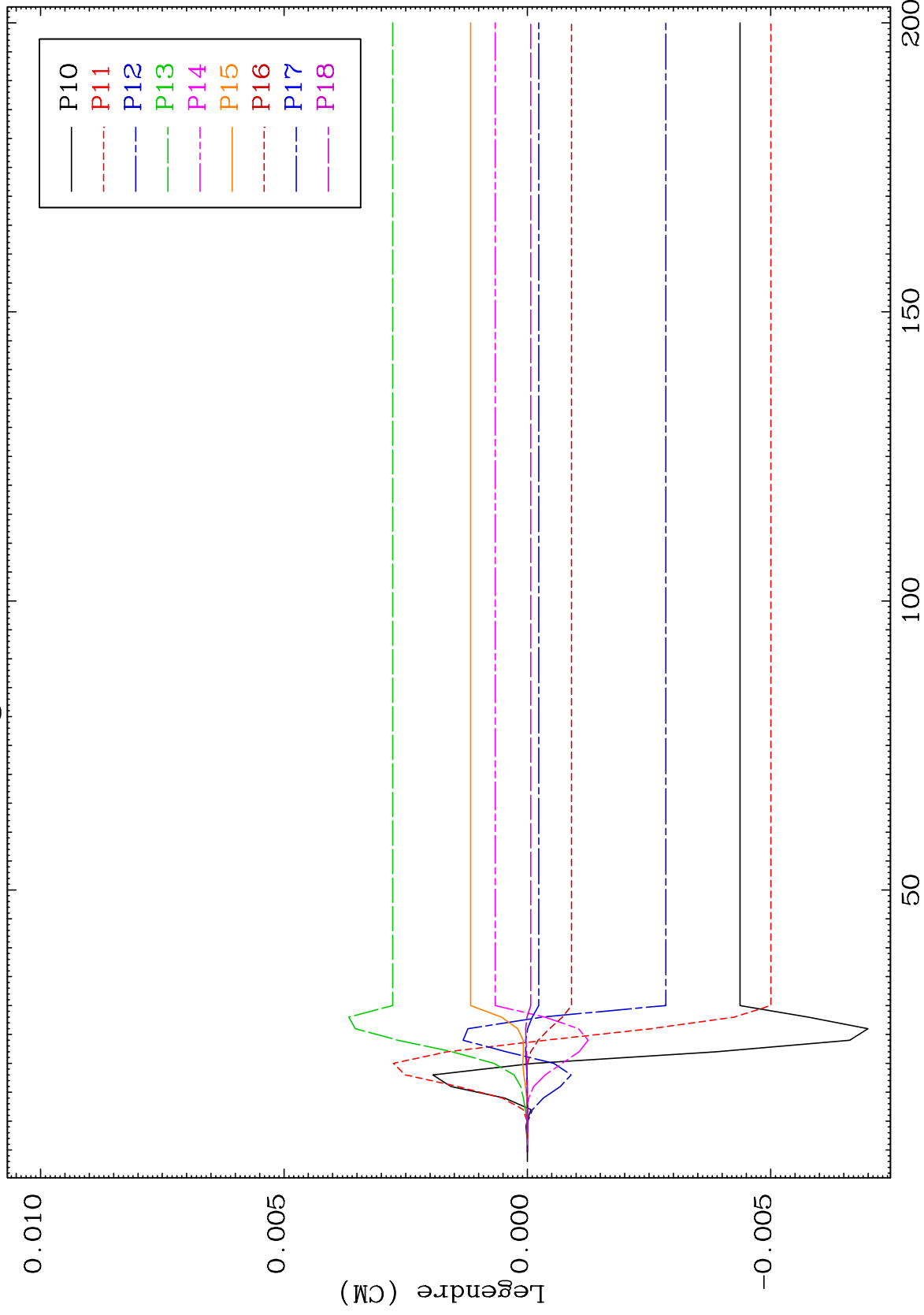
114

51-Sb-129

MAT 5149

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

51-Sb-129



115

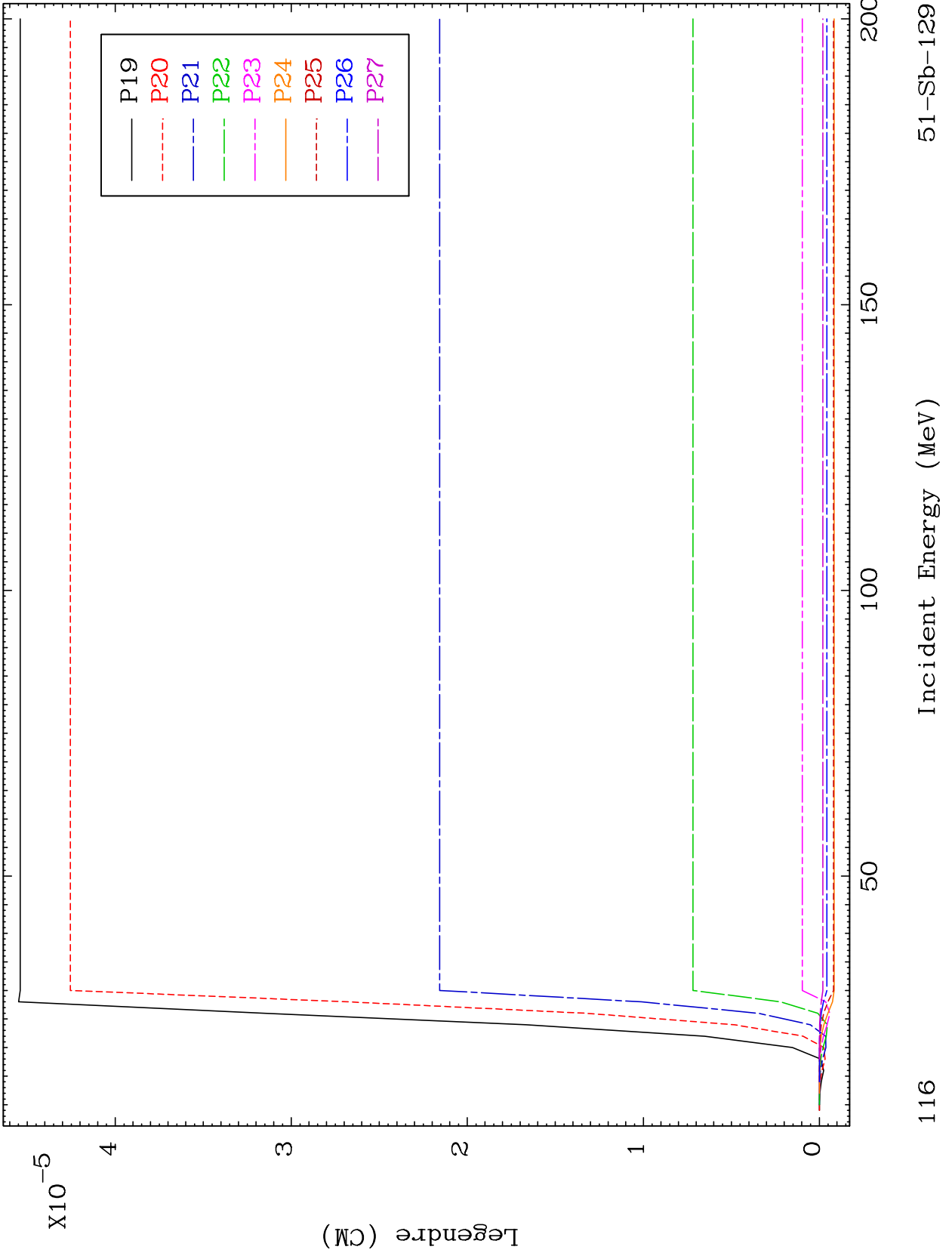
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



116

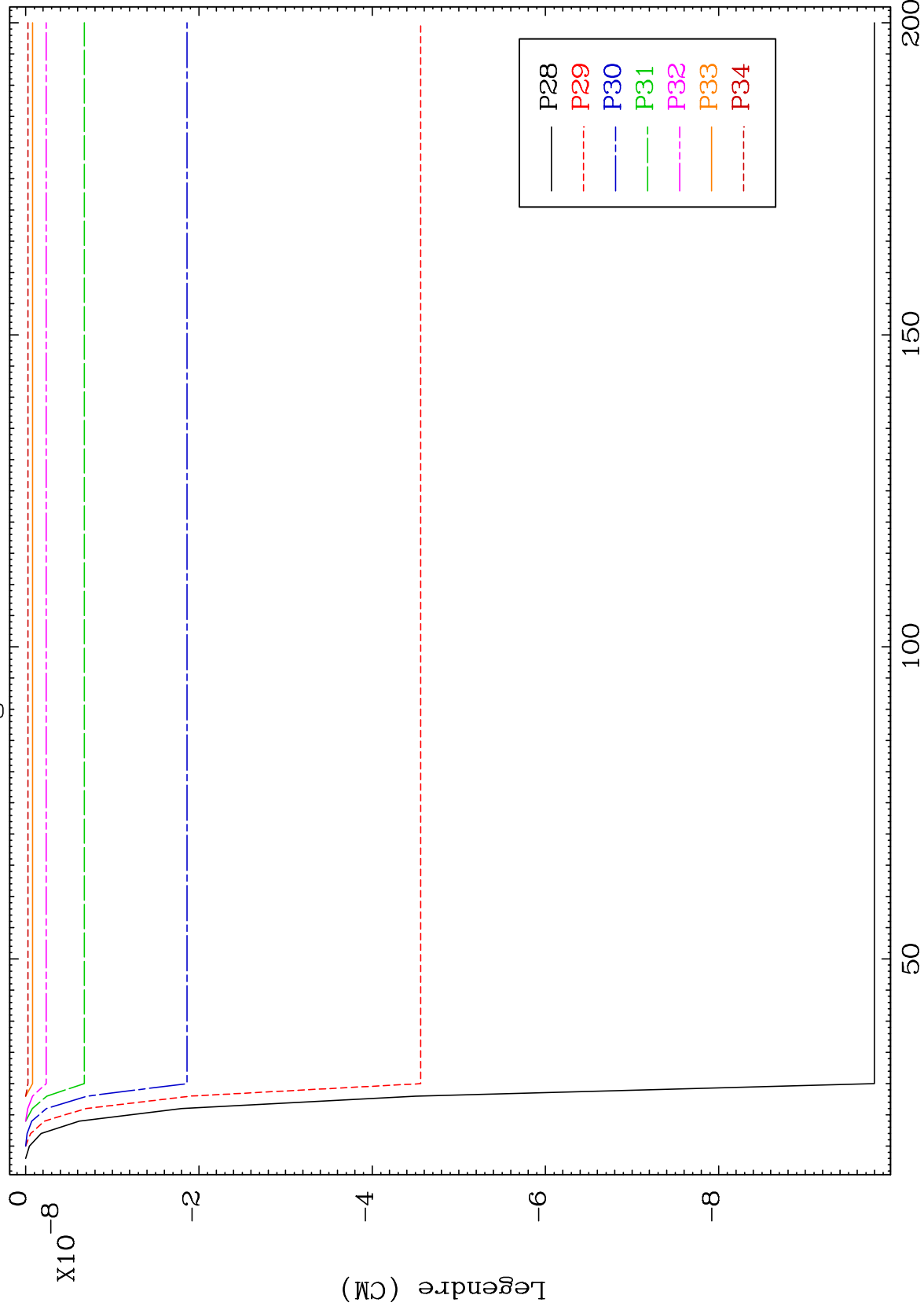
51-Sb-129

MAT 5149

MT= 75 (n,n') Level

51-Sb-129

Legendre Coefficients



117

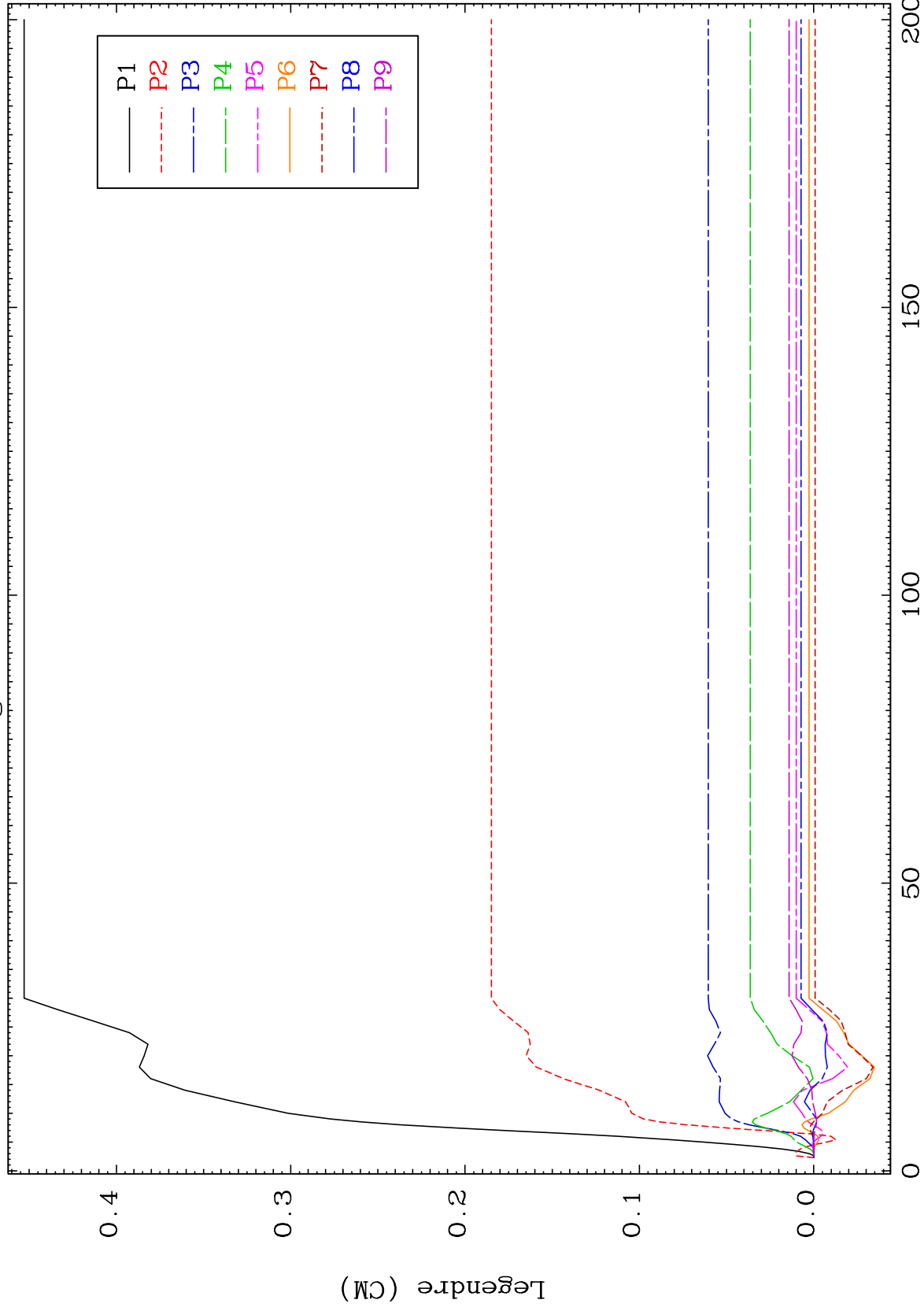
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



118

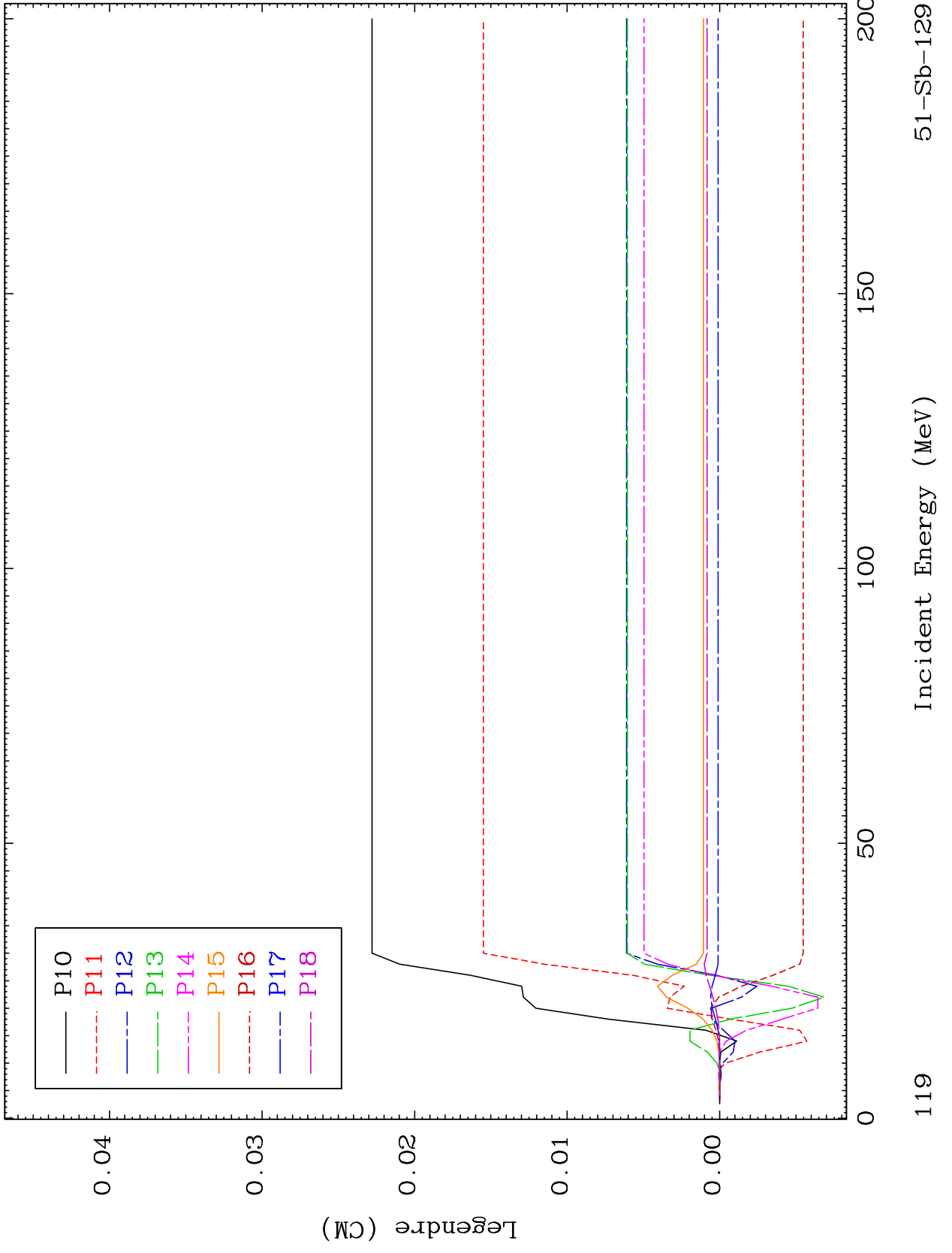
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



119

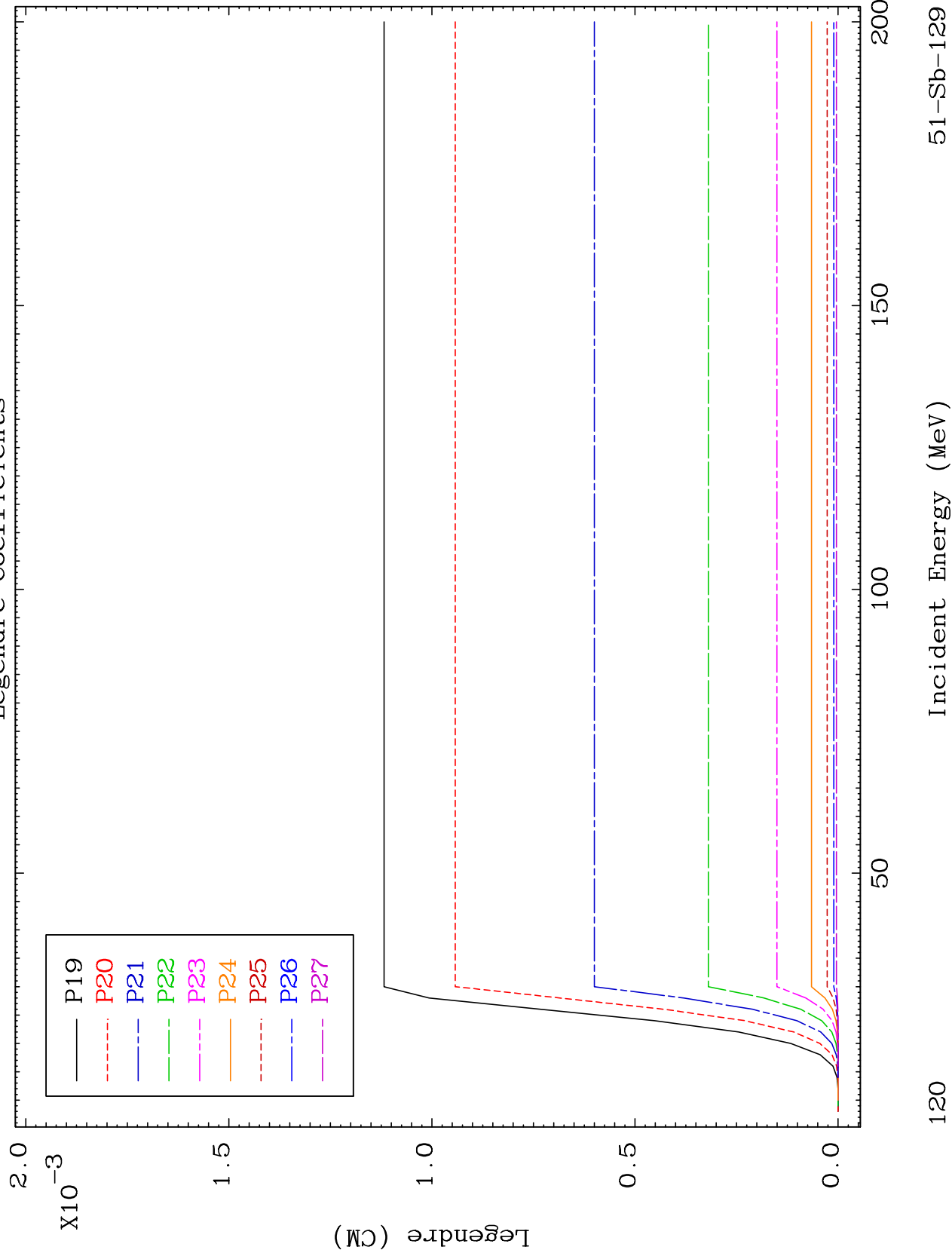
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



120

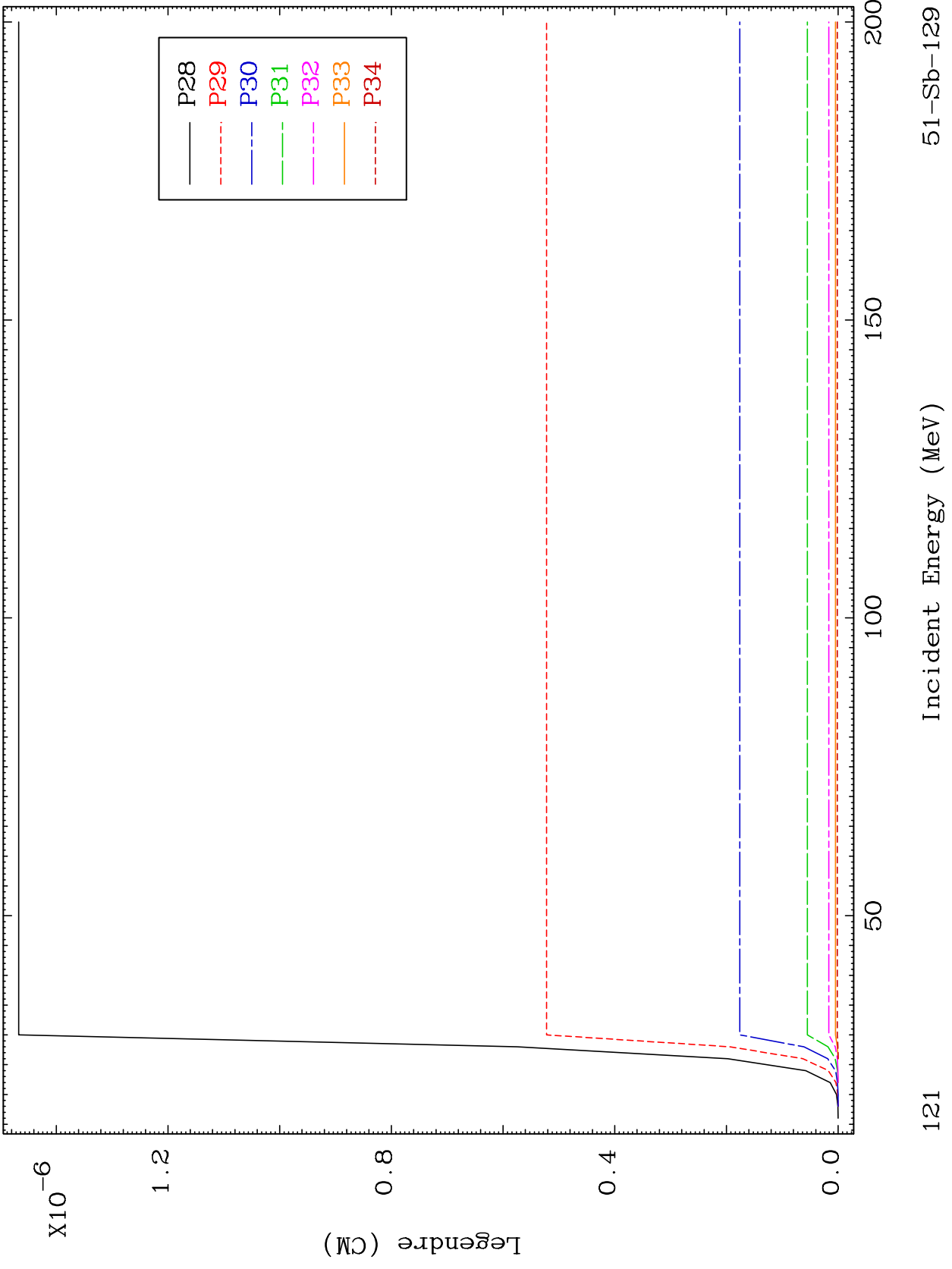
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

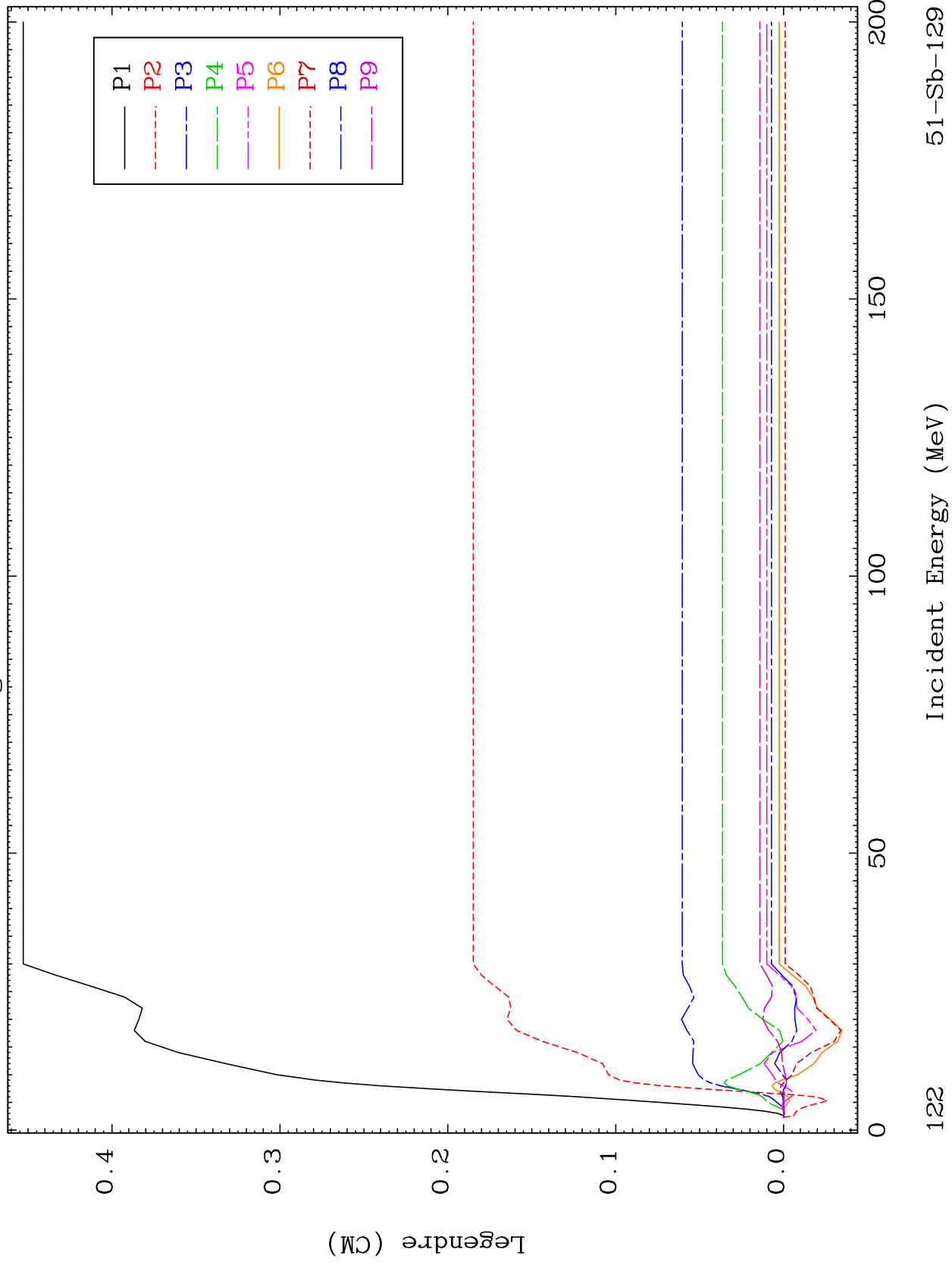
51-Sb-129



MAT 5149

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

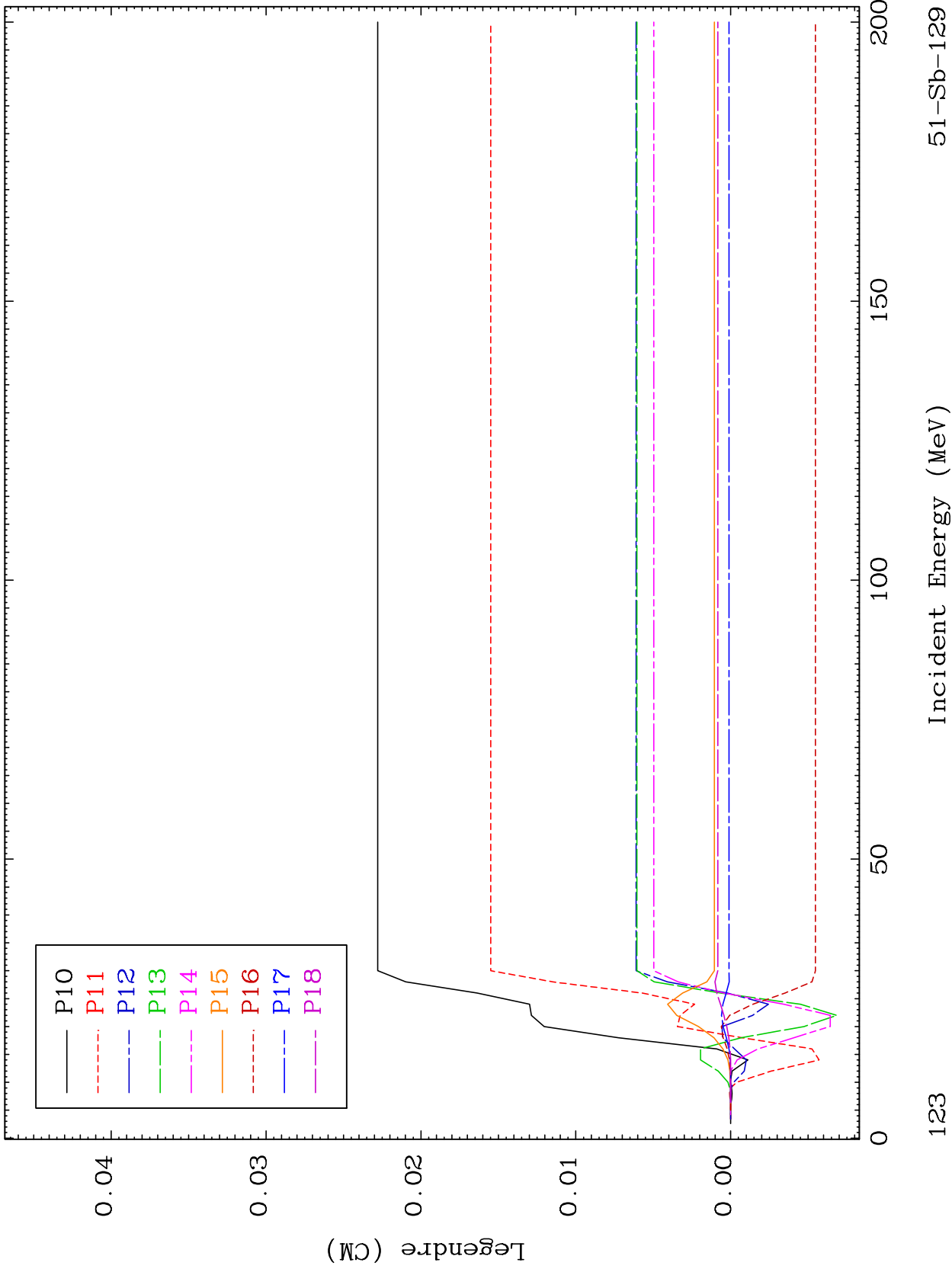
51-Sb-129



MAT 5149

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

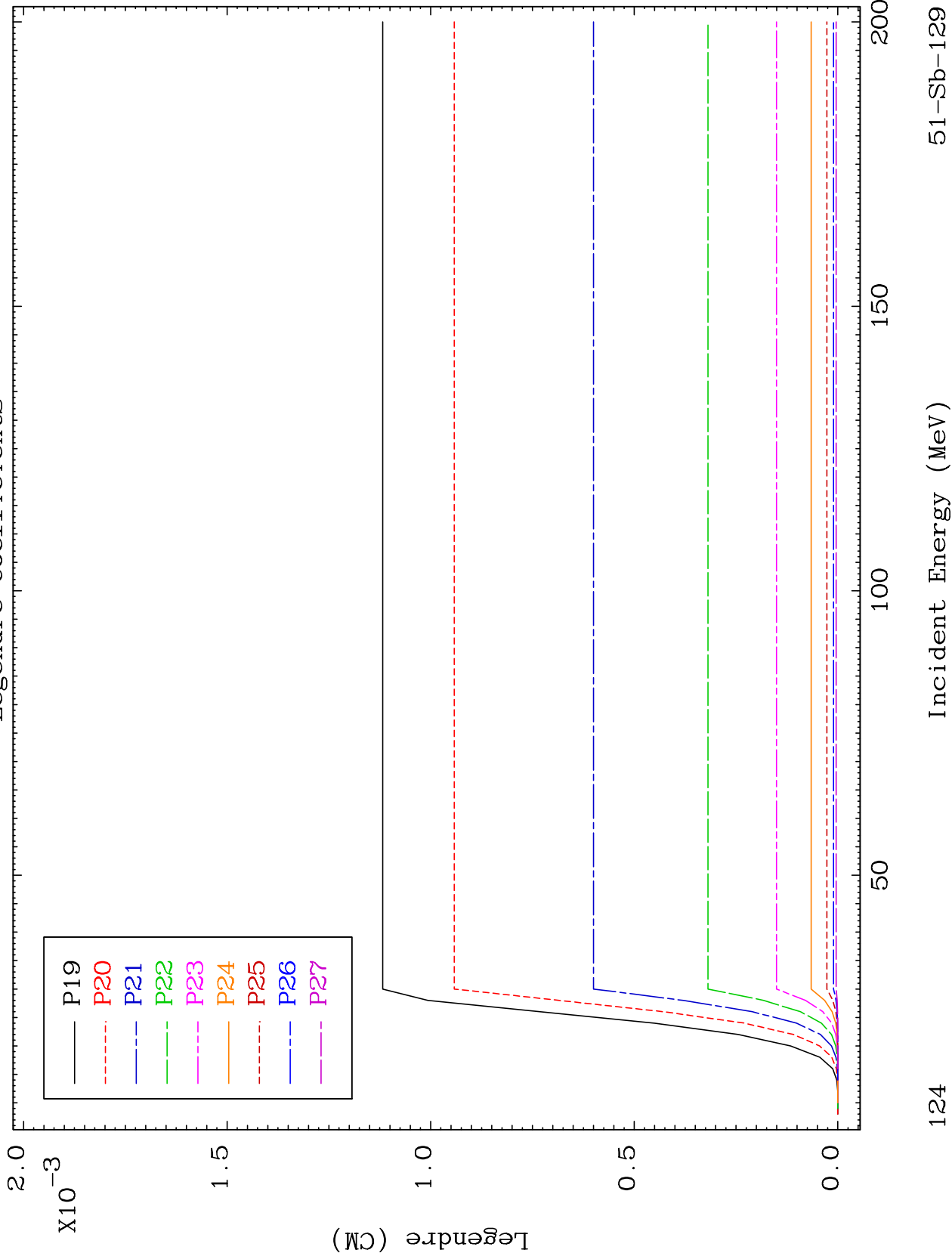
51-Sb-129



123

Incident Energy (MeV)

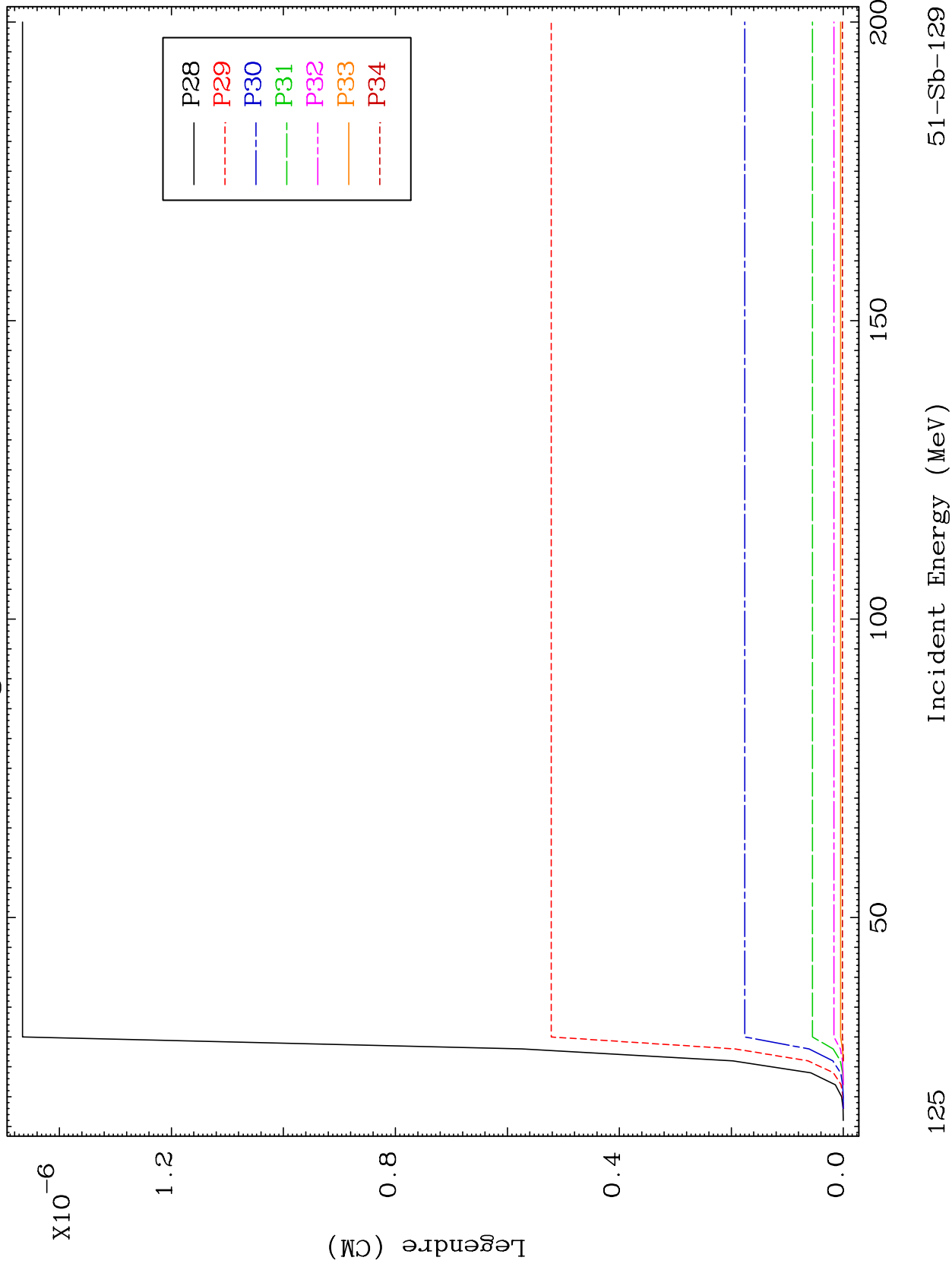
51-Sb-129



MAT 5149

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

51-Sb-129



125

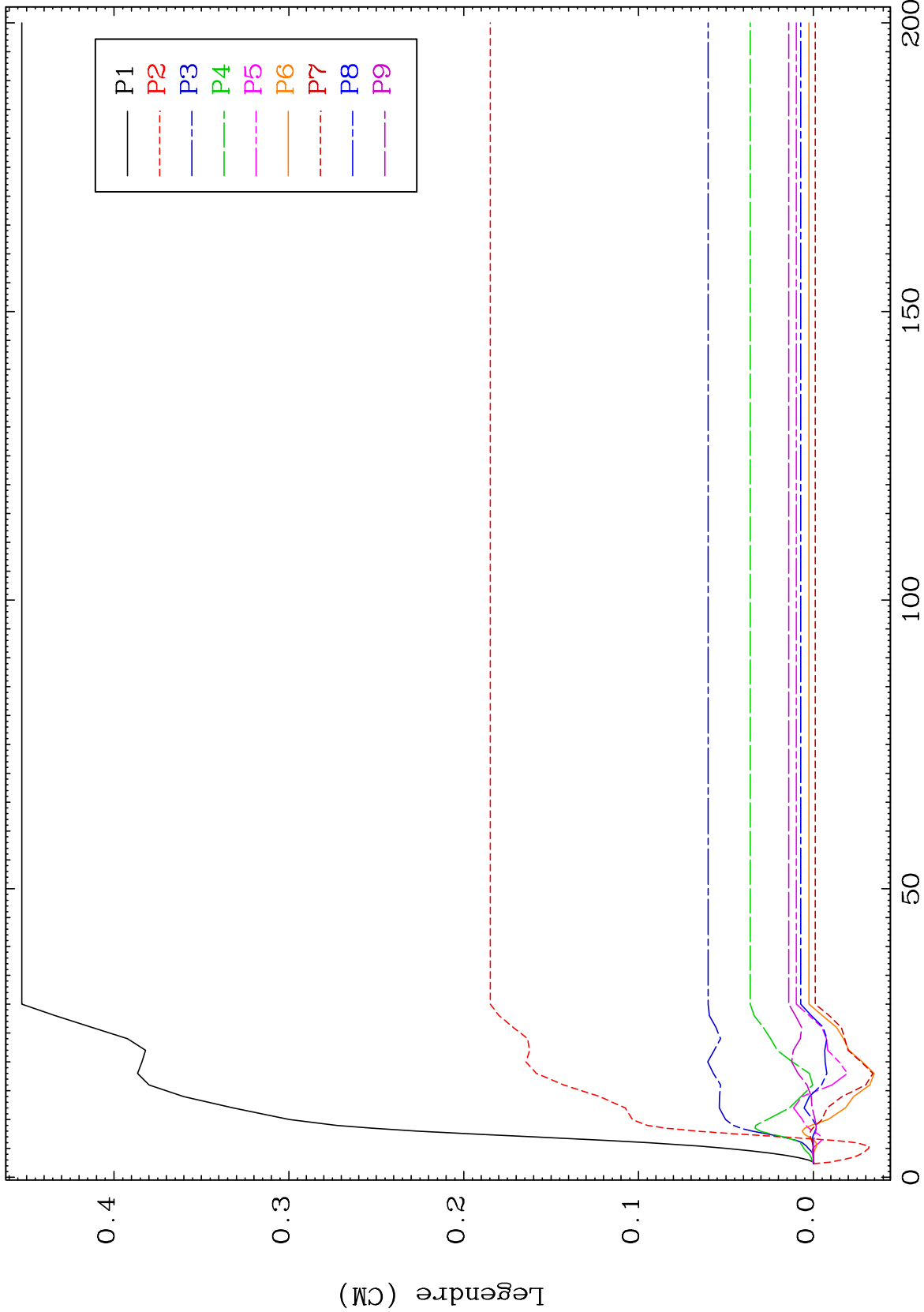
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



51-Sb-129

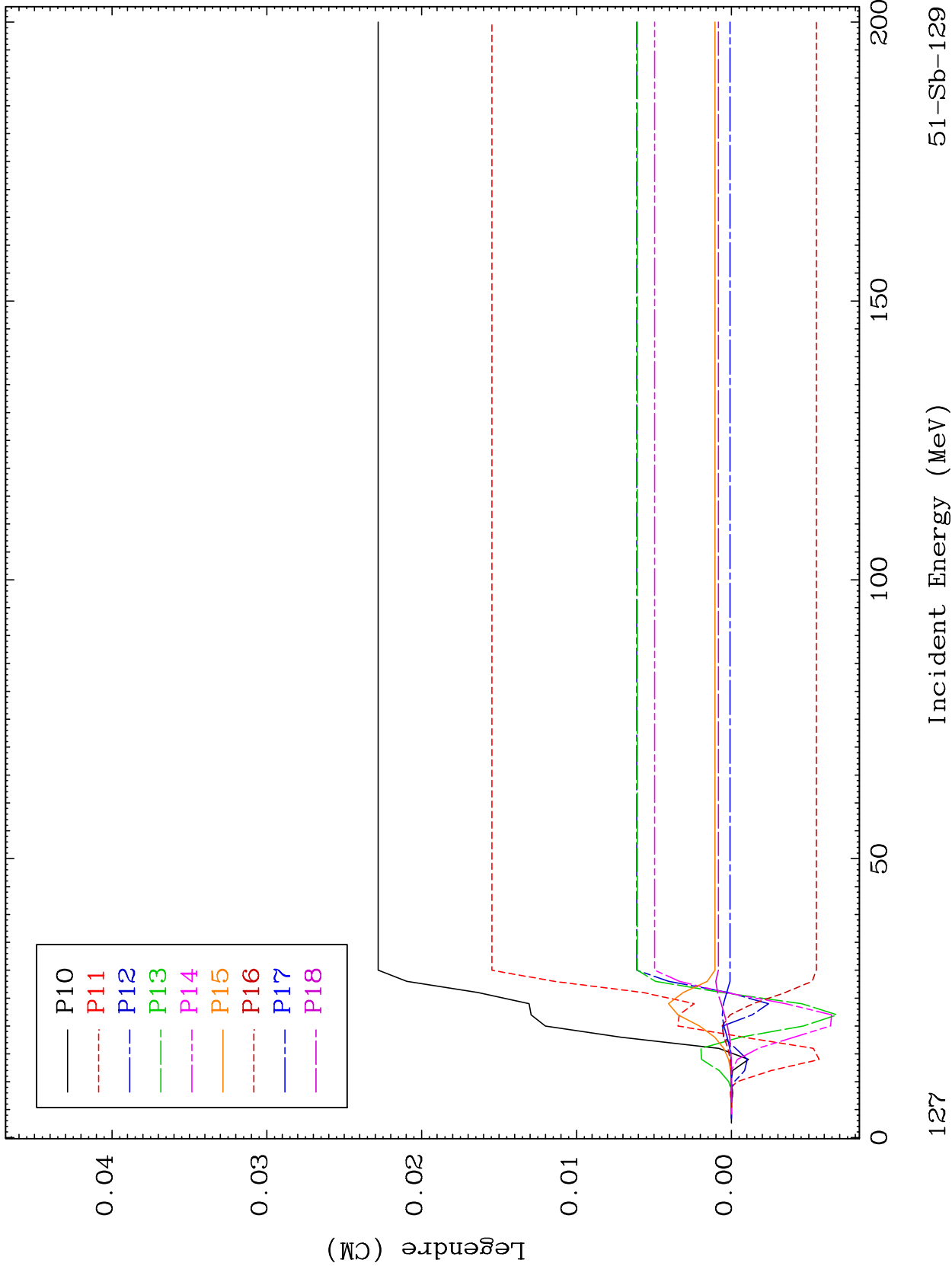
Incident Energy (MeV)

126

MAT 5149

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

51-Sb-129



127

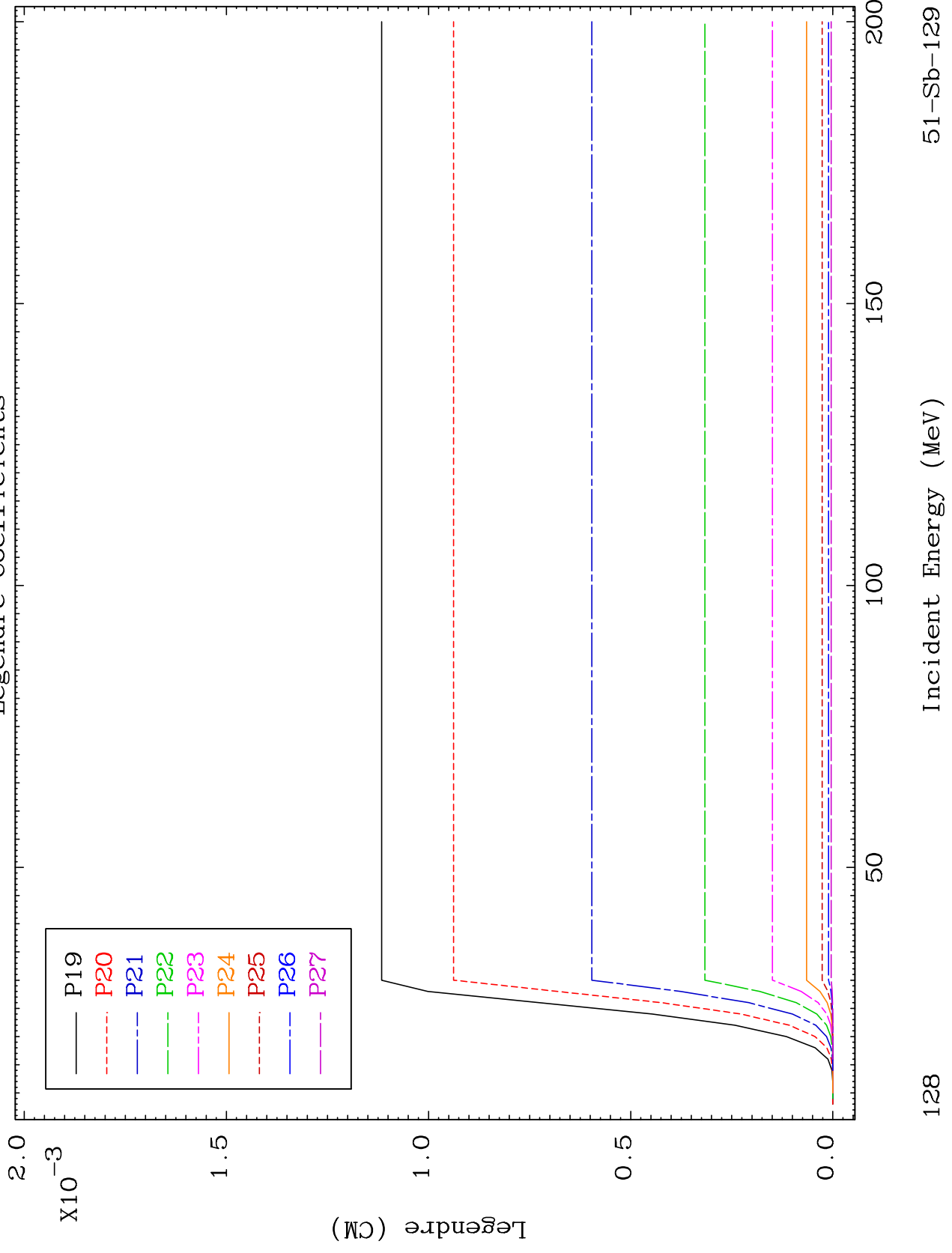
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



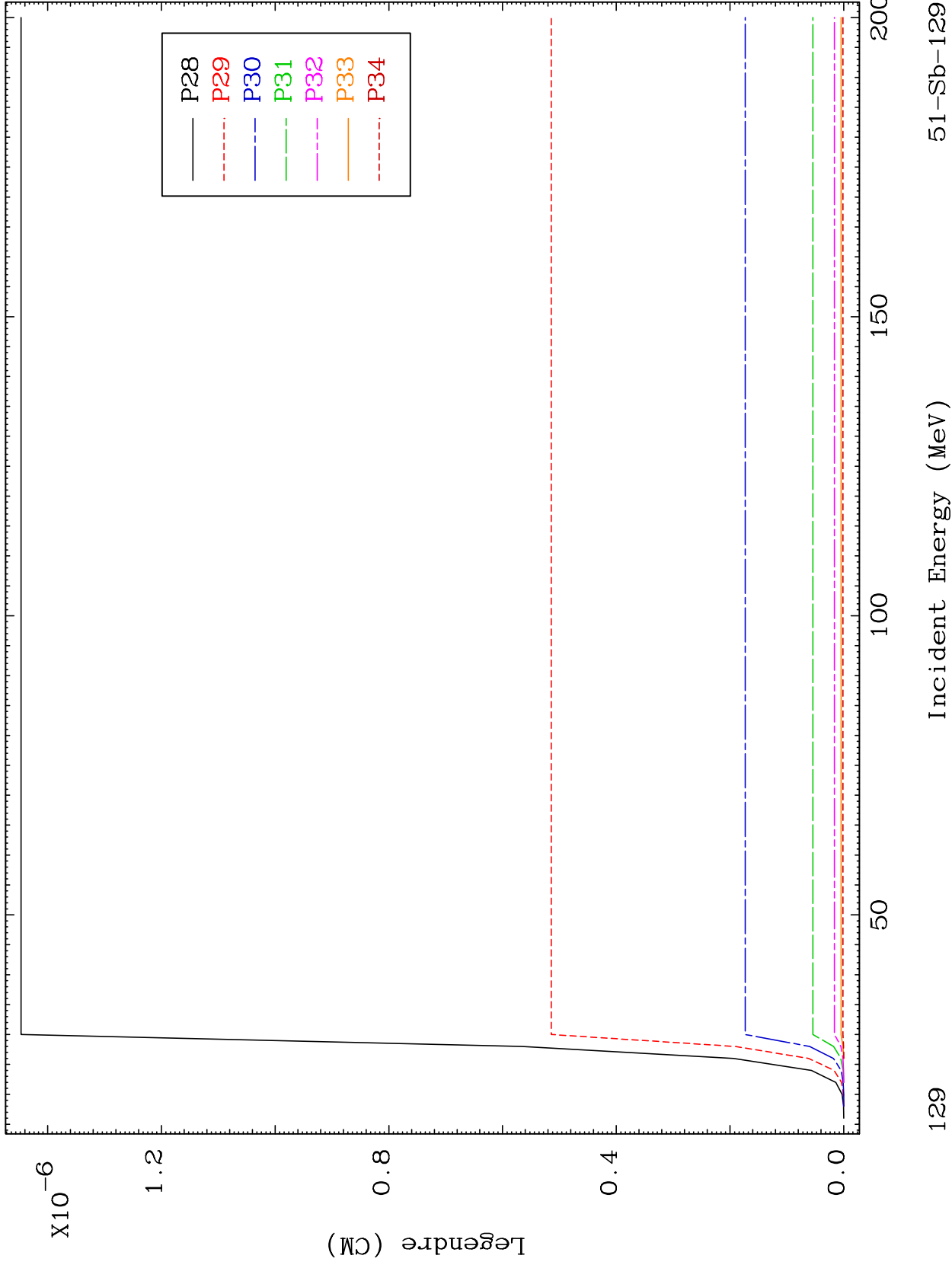
128

51-Sb-129

MAT 5149

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

51-Sb-129



129

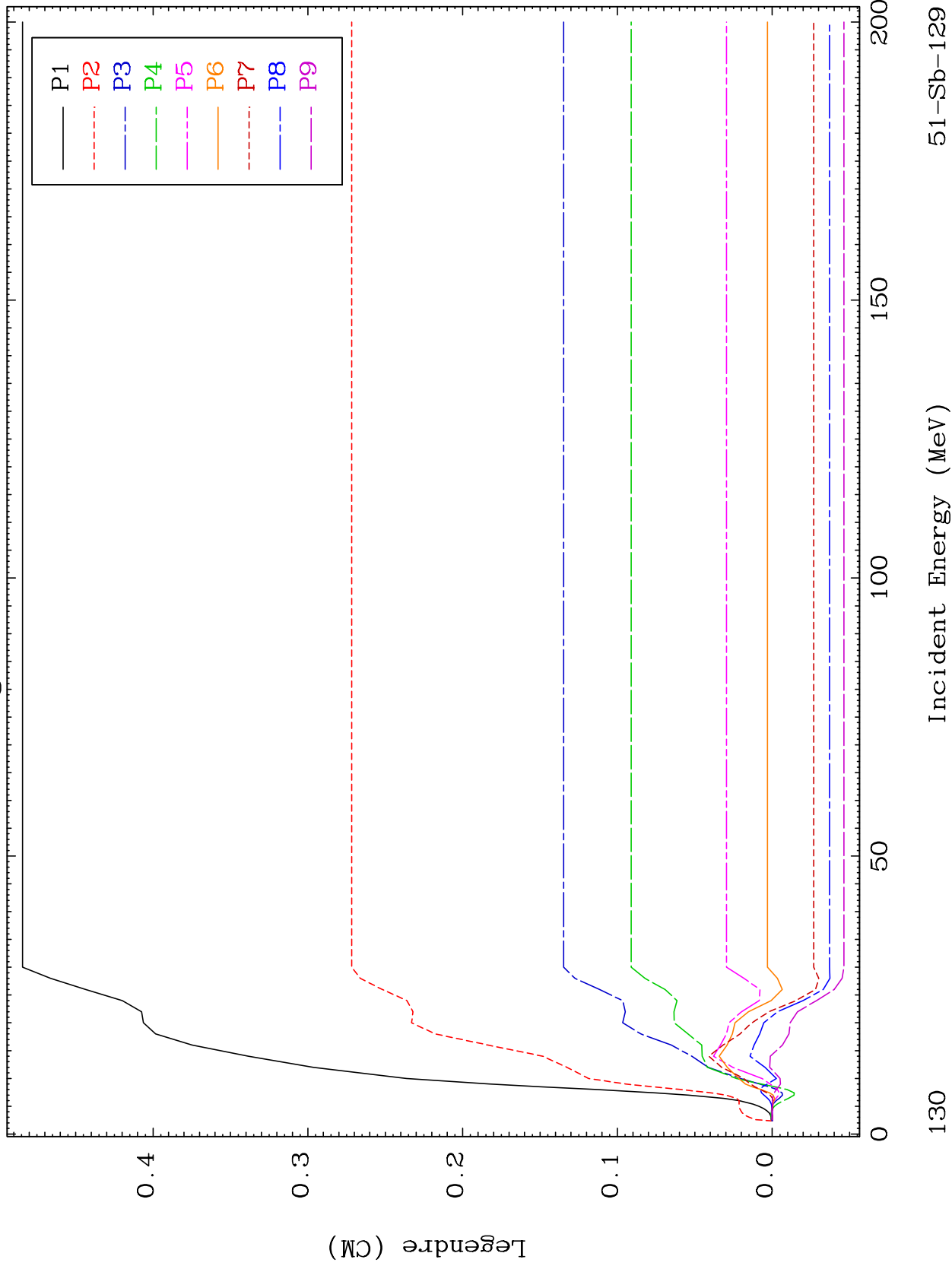
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

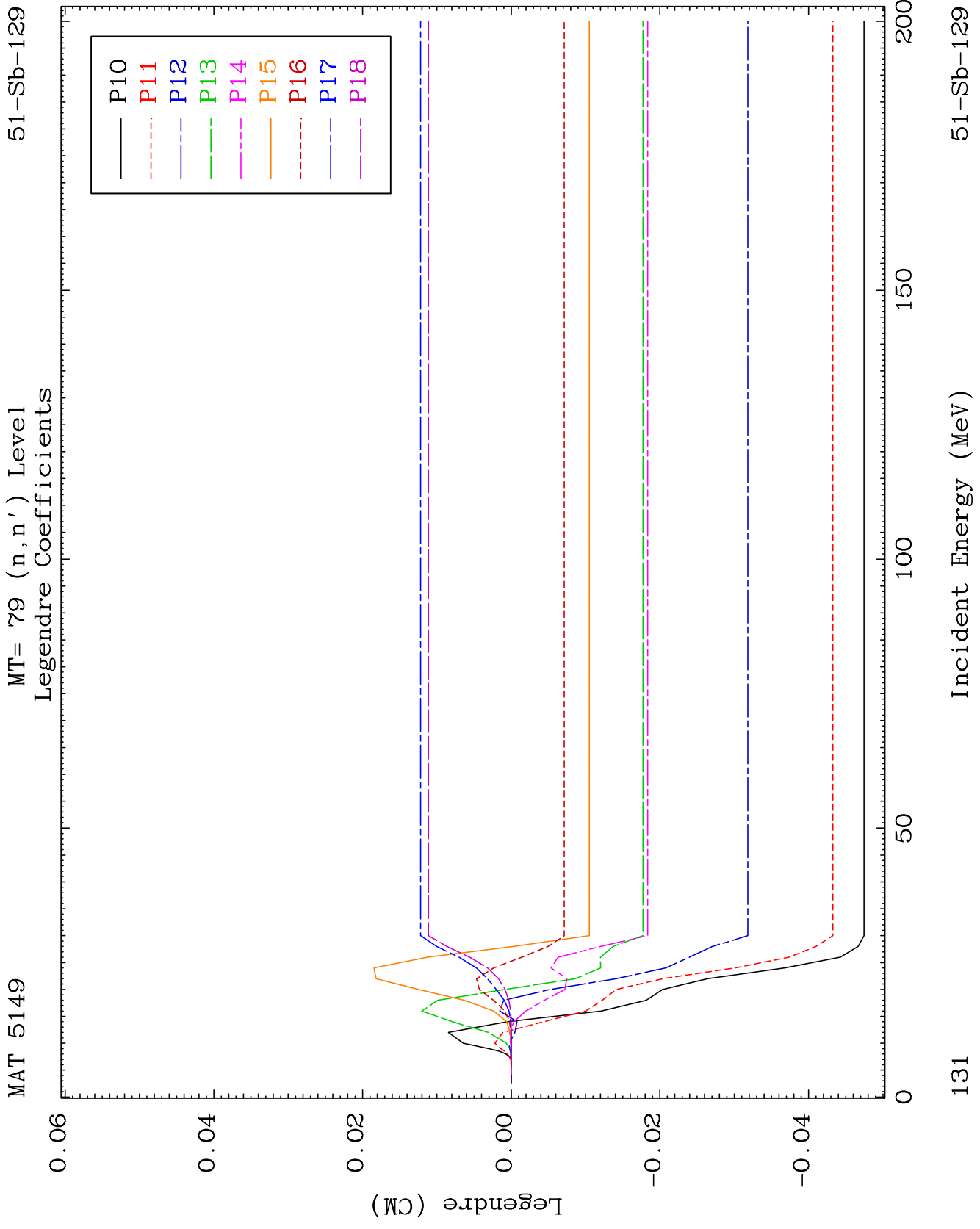
51-Sb-129



51-Sb-129

Incident Energy (MeV)

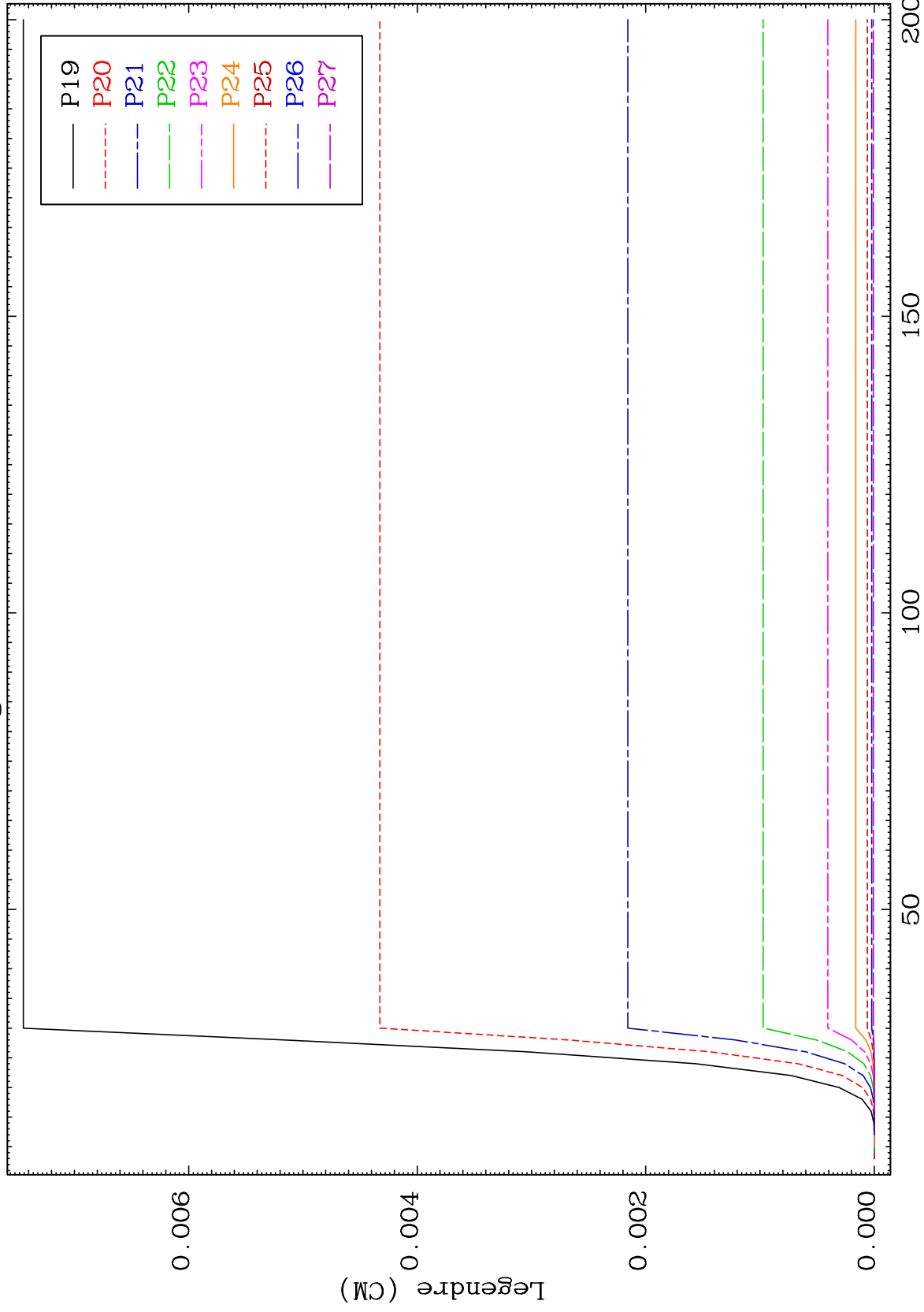
130



MAT 5149

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

51-Sb-129



132

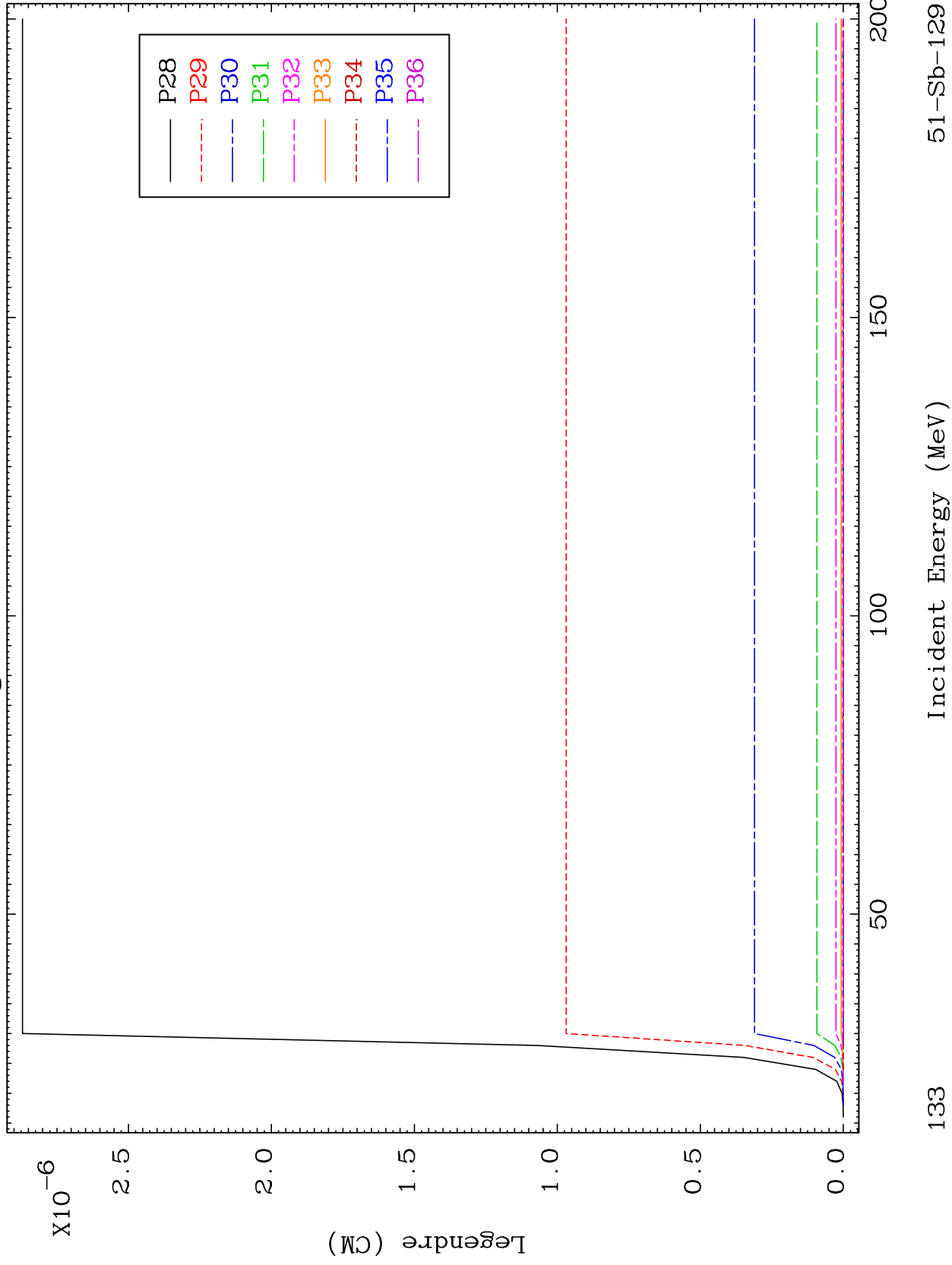
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



133

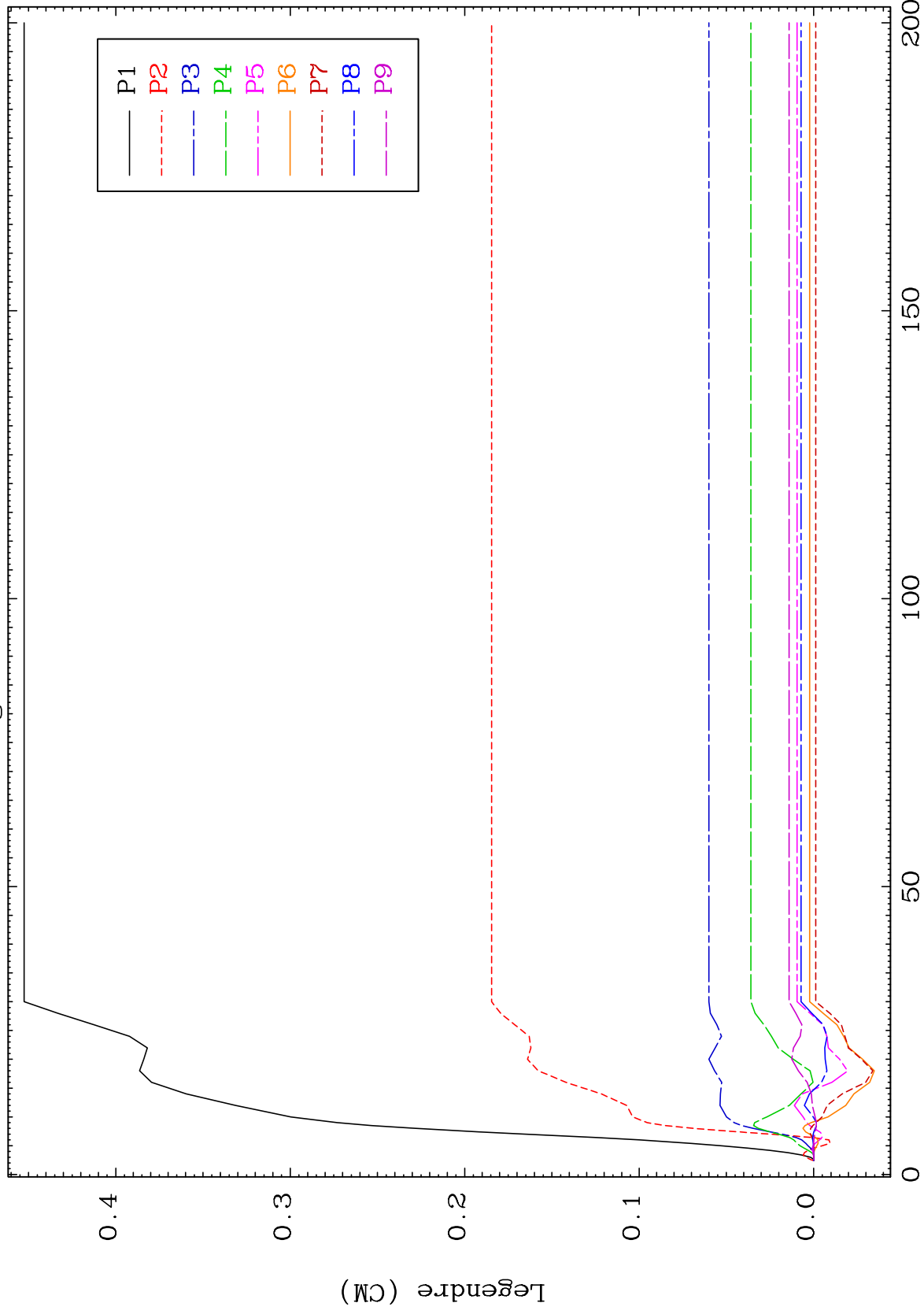
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



134

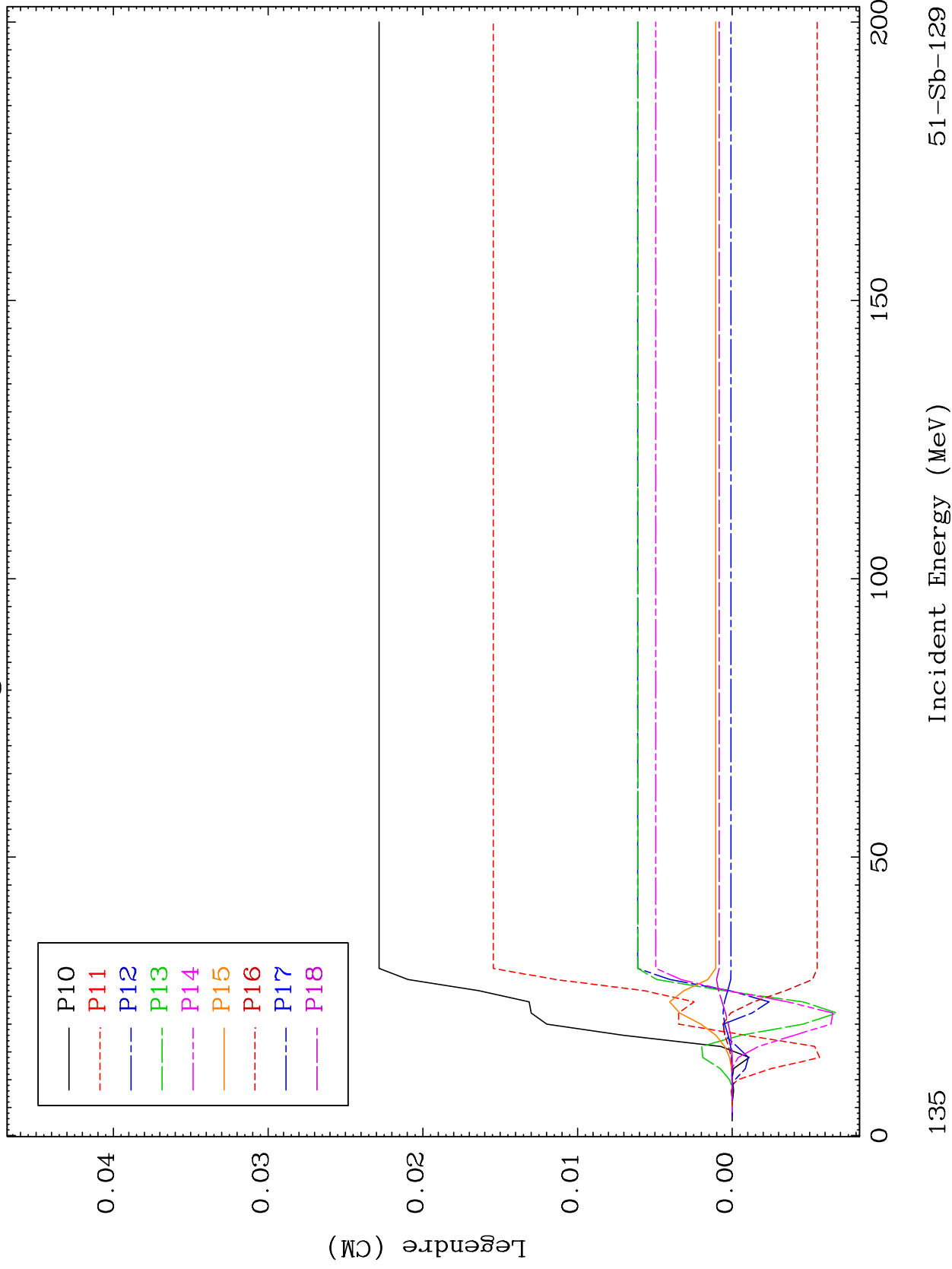
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



51-Sb-129

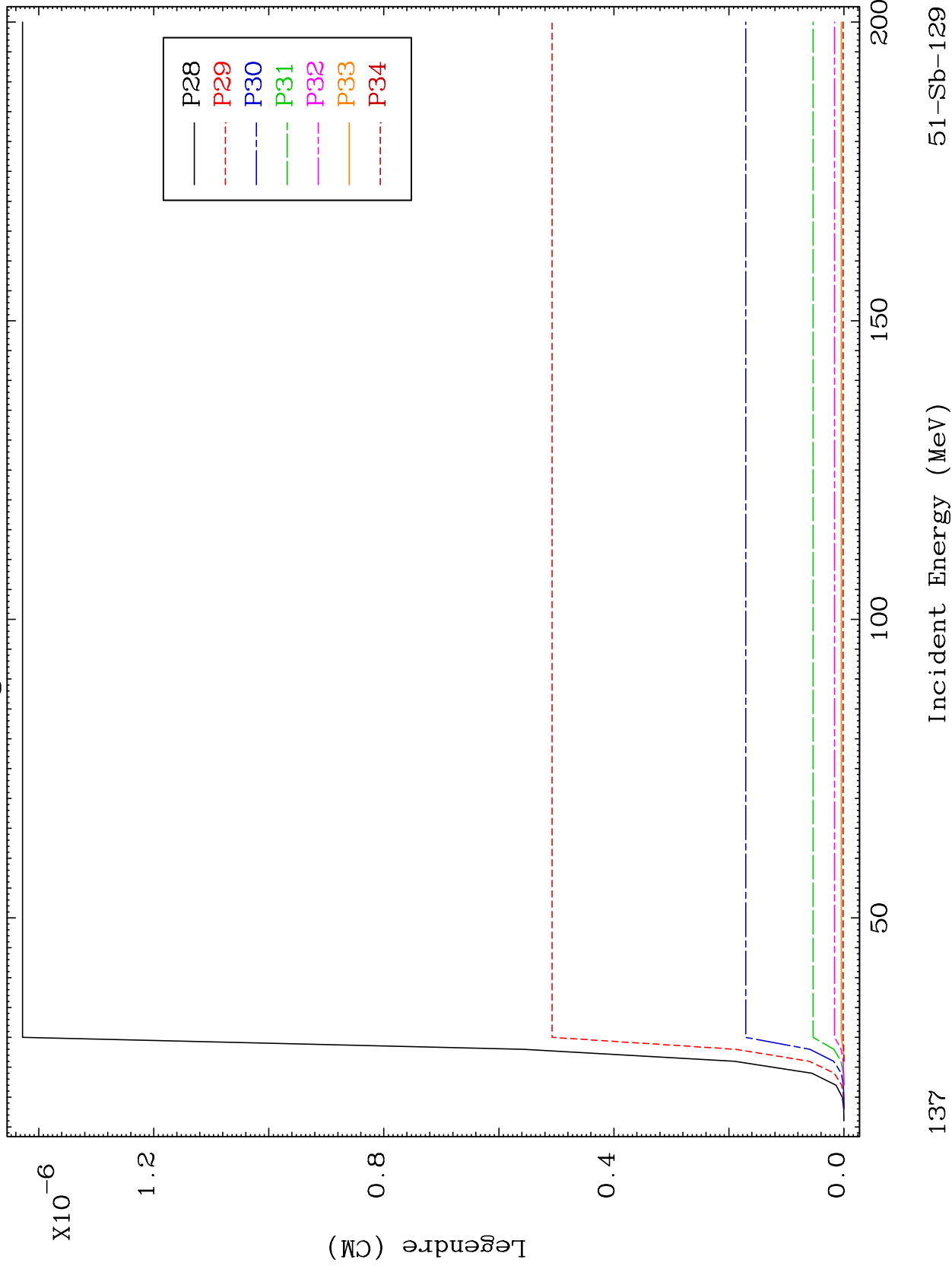
Incident Energy (MeV)

135

MAT 5149

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

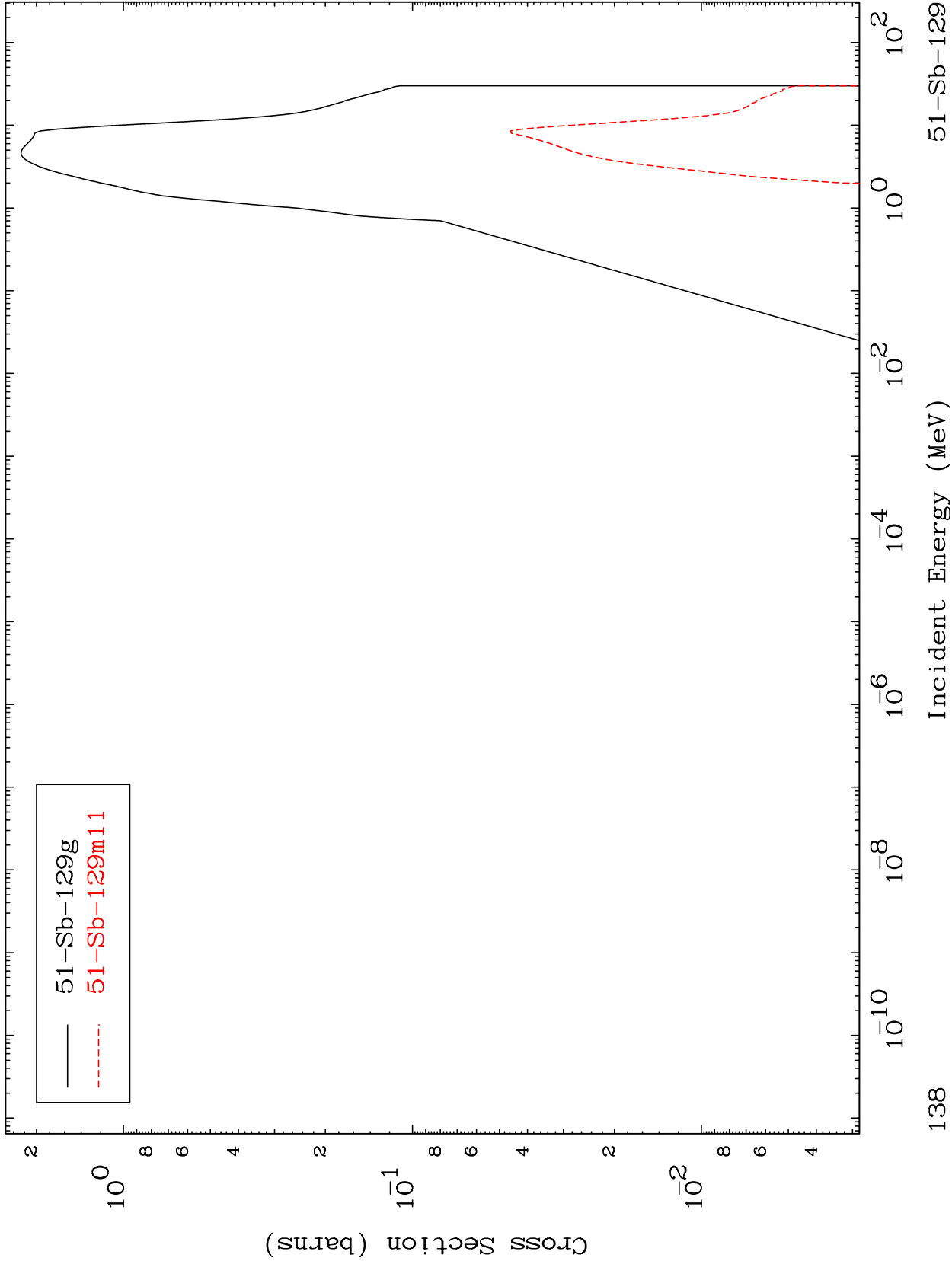
51-Sb-129

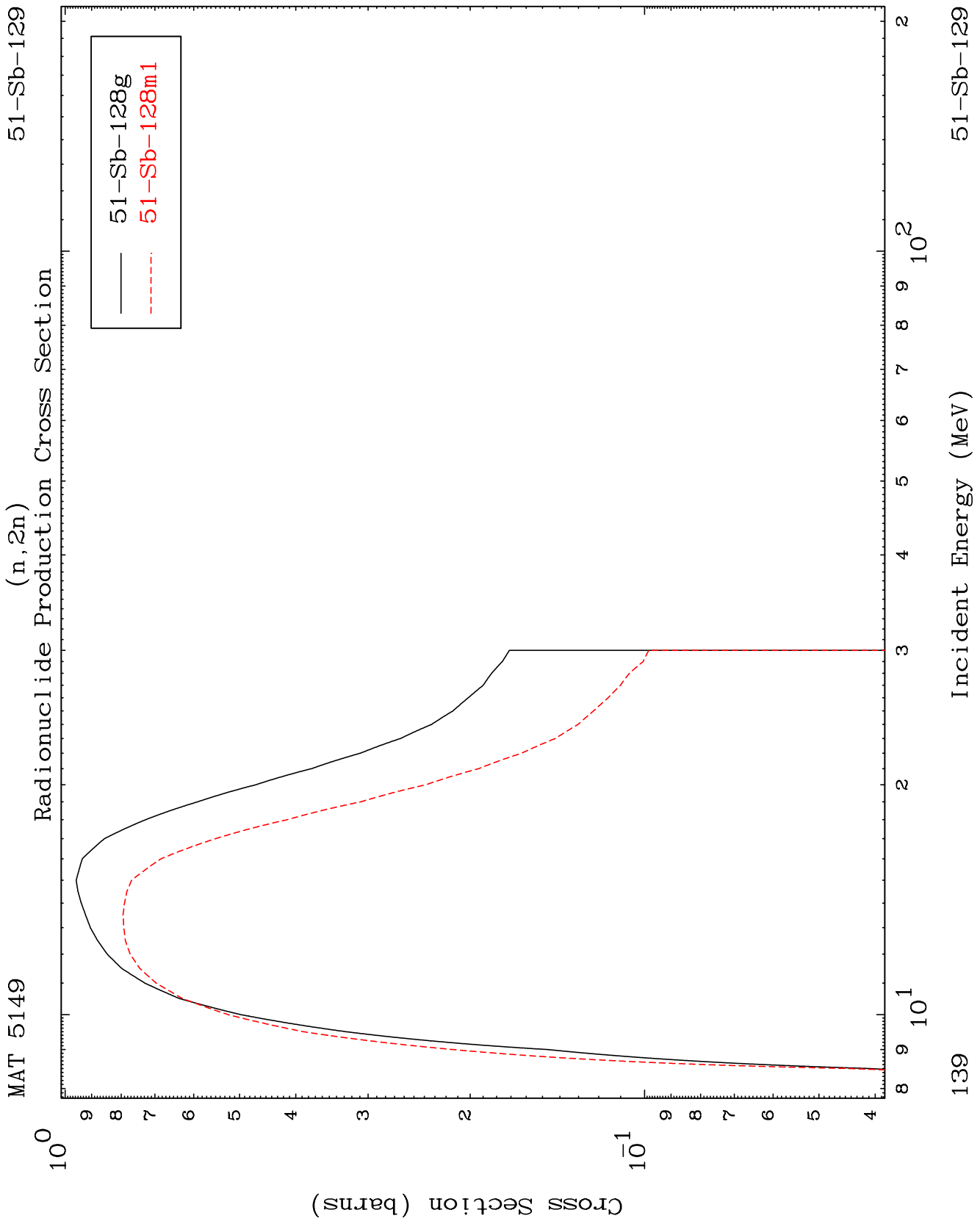


MAT 5149

Inelastic
Radionuclide Production Cross Section

51-Sb-129



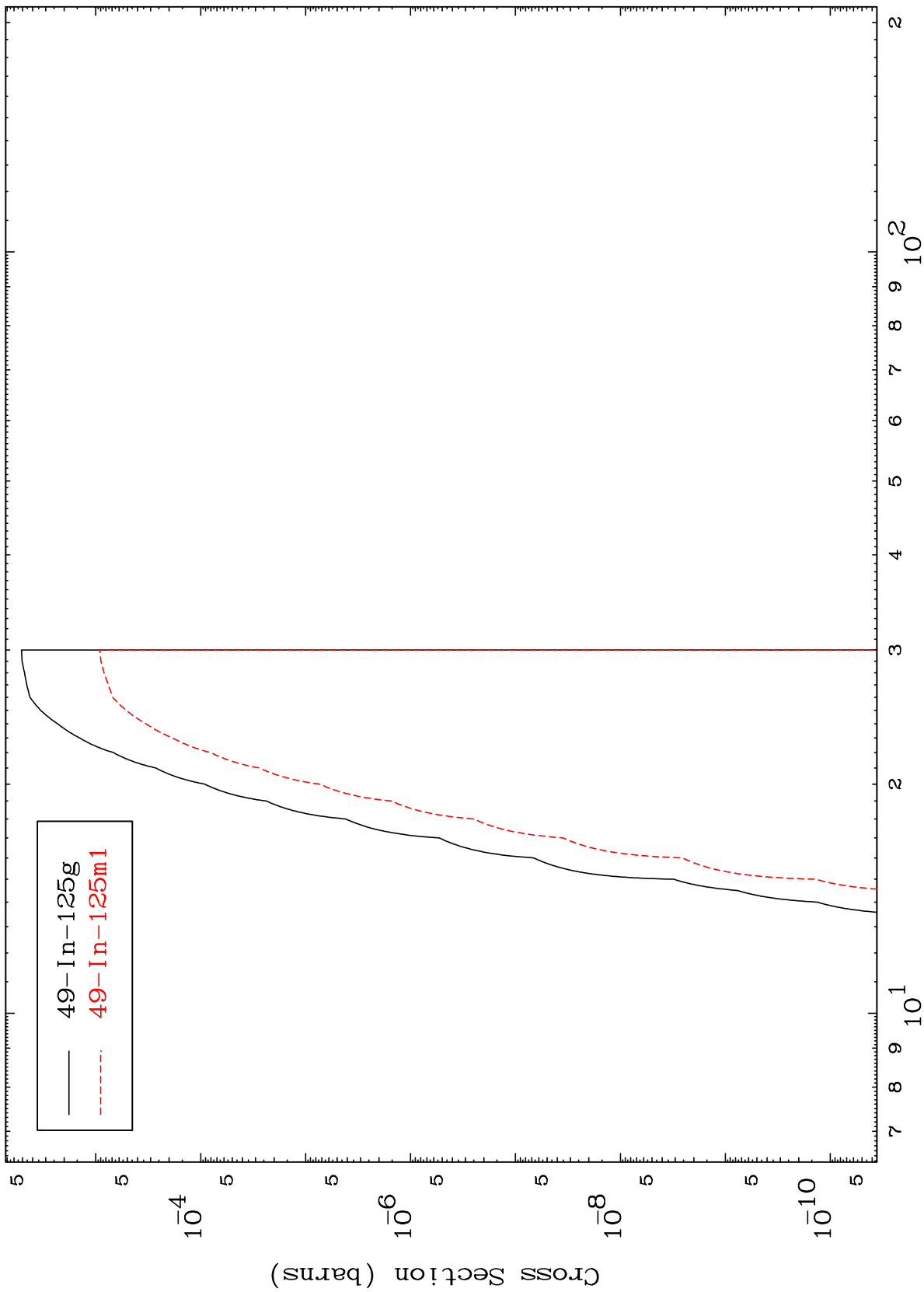


MAT 5149

(n,n') α

51-Sb-129

Radionuclide Production Cross Section



140

Incident Energy (MeV)

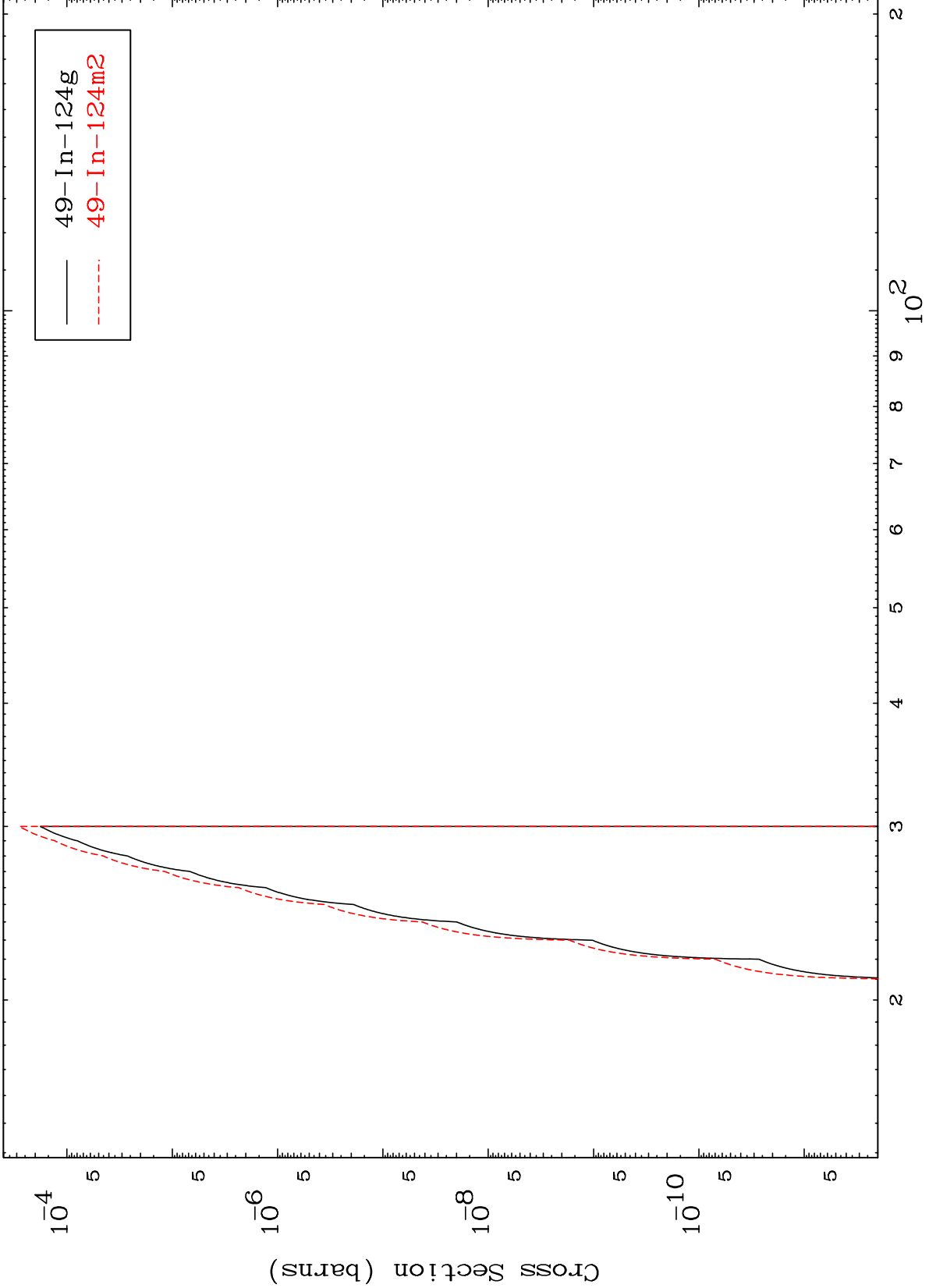
51-Sb-129

MAT 5149

(n,2n) α

51-Sb-129

Radionuclide Production Cross Section



49-In-124g
49-In-124m2

141

Incident Energy (MeV)

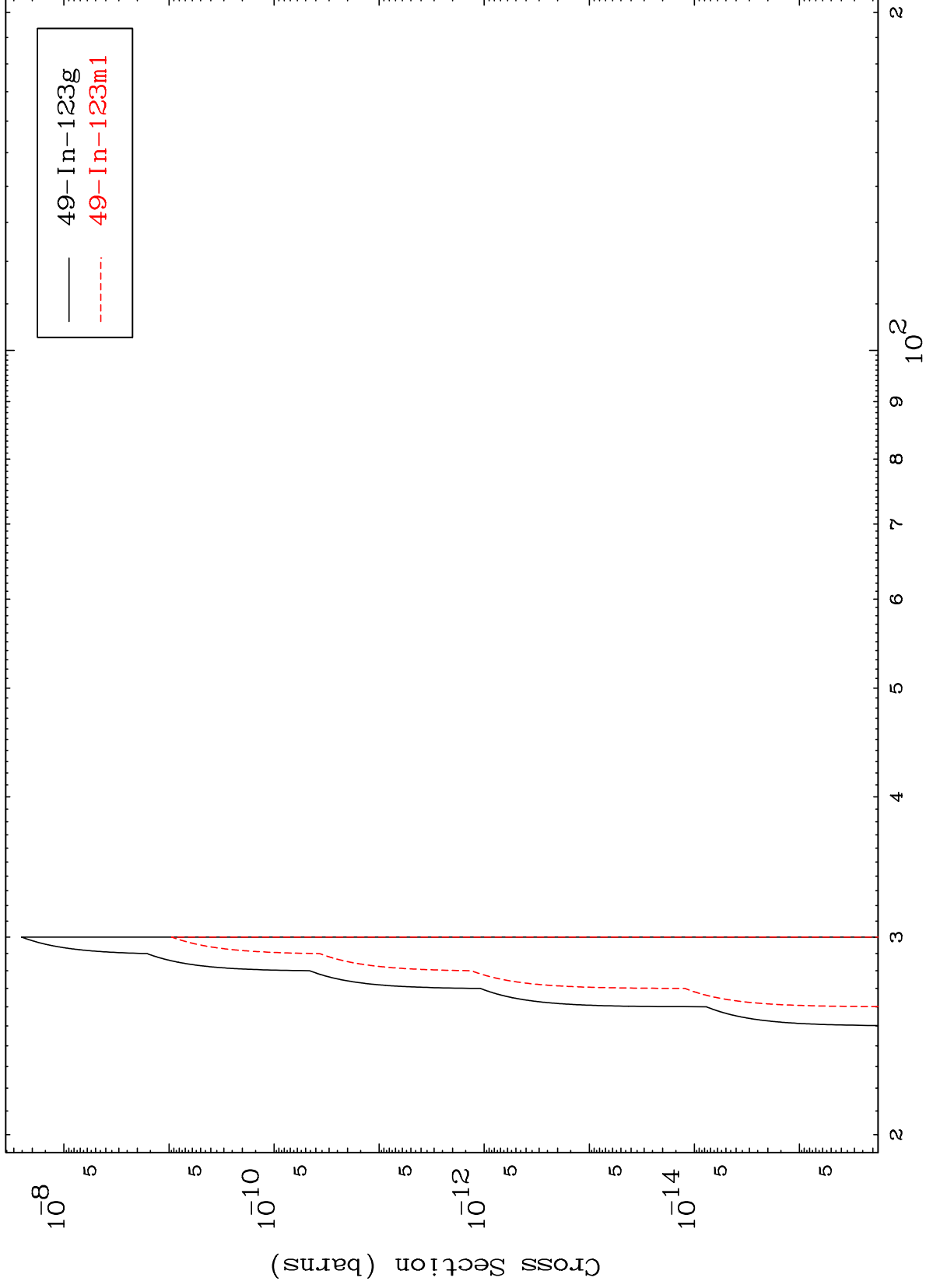
51-Sb-129

MAT 5149

(n,3n) α

51-Sb-129

Radionuclide Production Cross Section



142

Incident Energy (MeV)

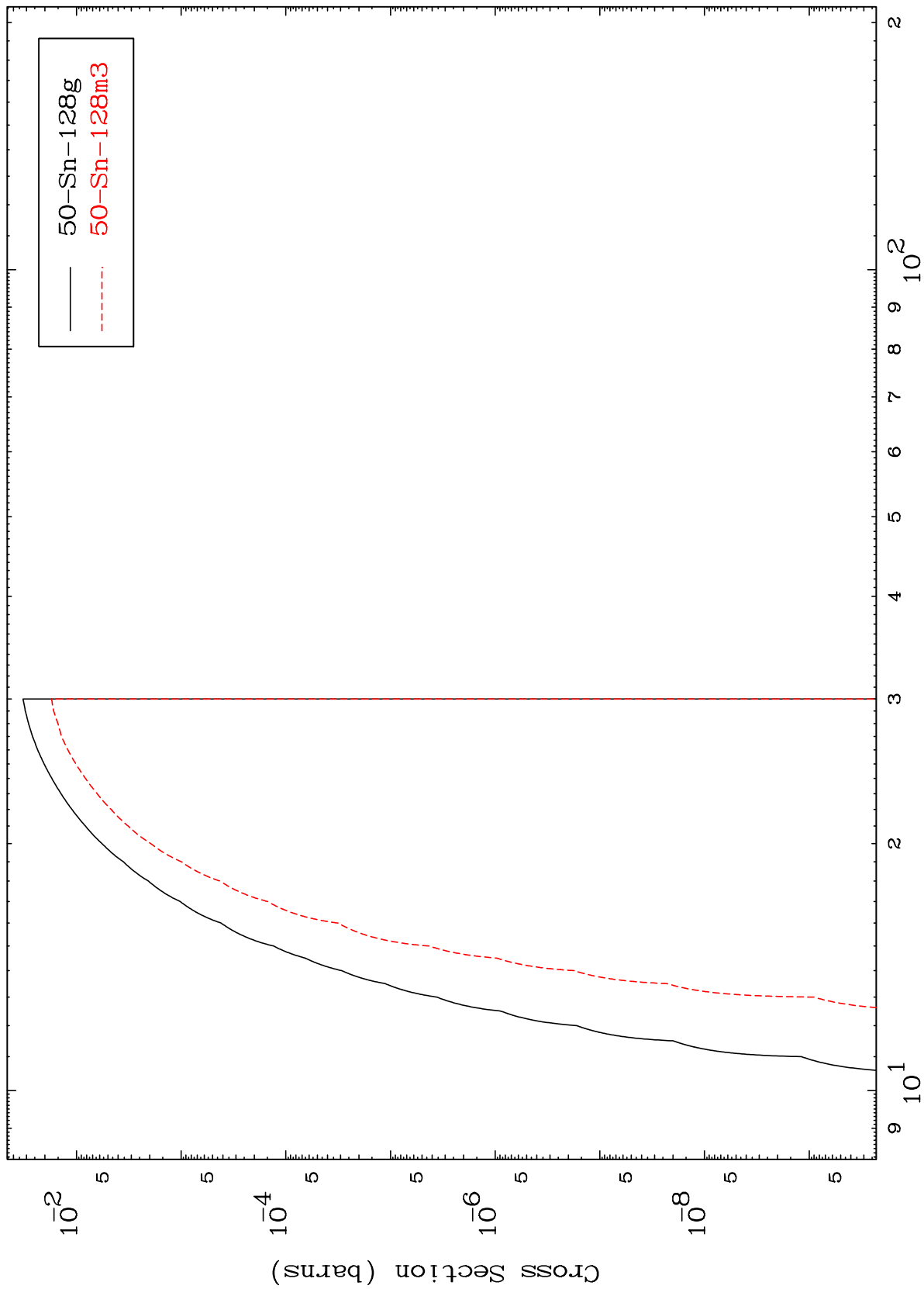
51-Sb-129

MAT 5149

(n,n') p

51-Sb-129

Radionuclide Production Cross Section

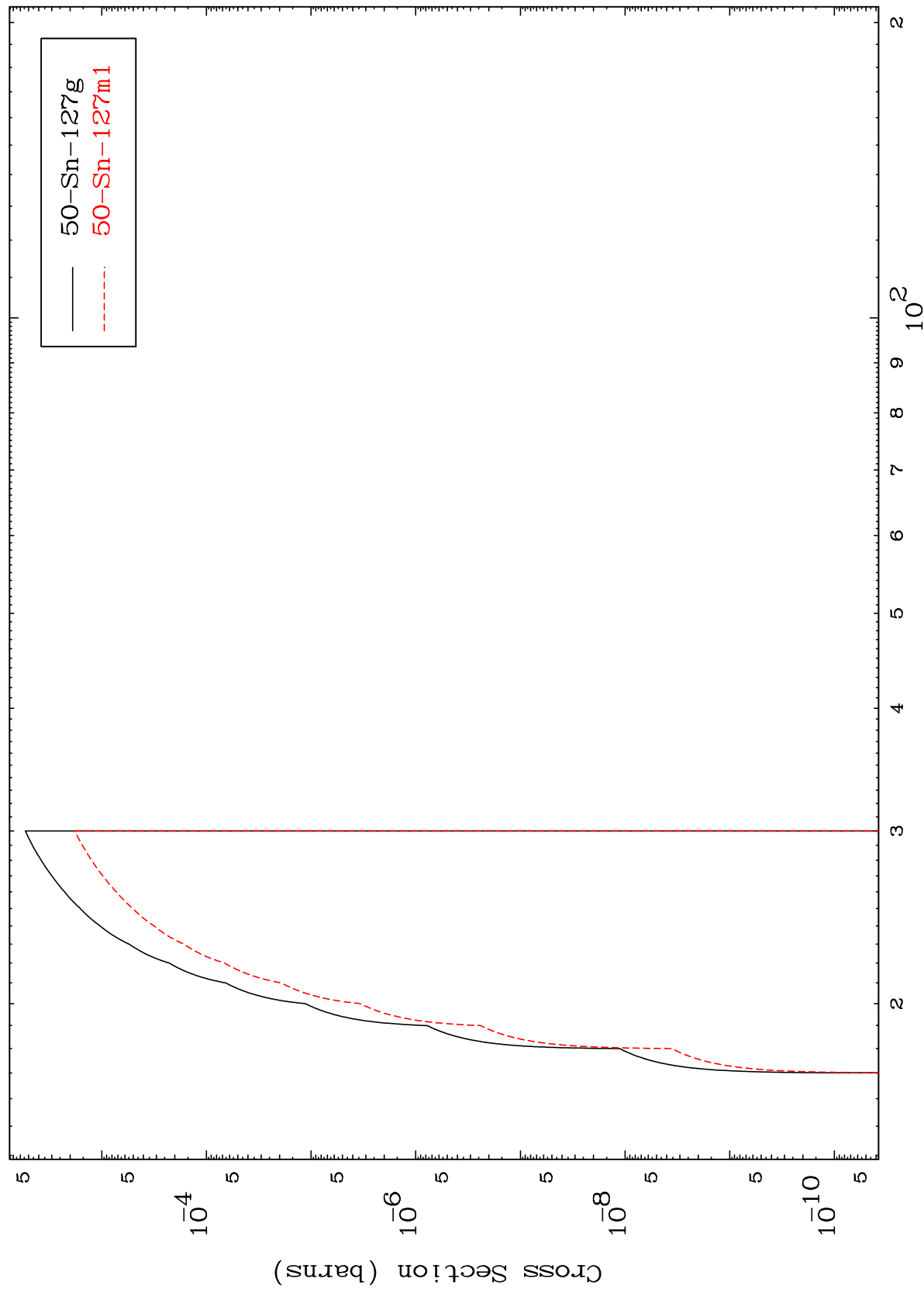


143

Incident Energy (MeV)

51-Sb-129

Radionuclide Production Cross Section

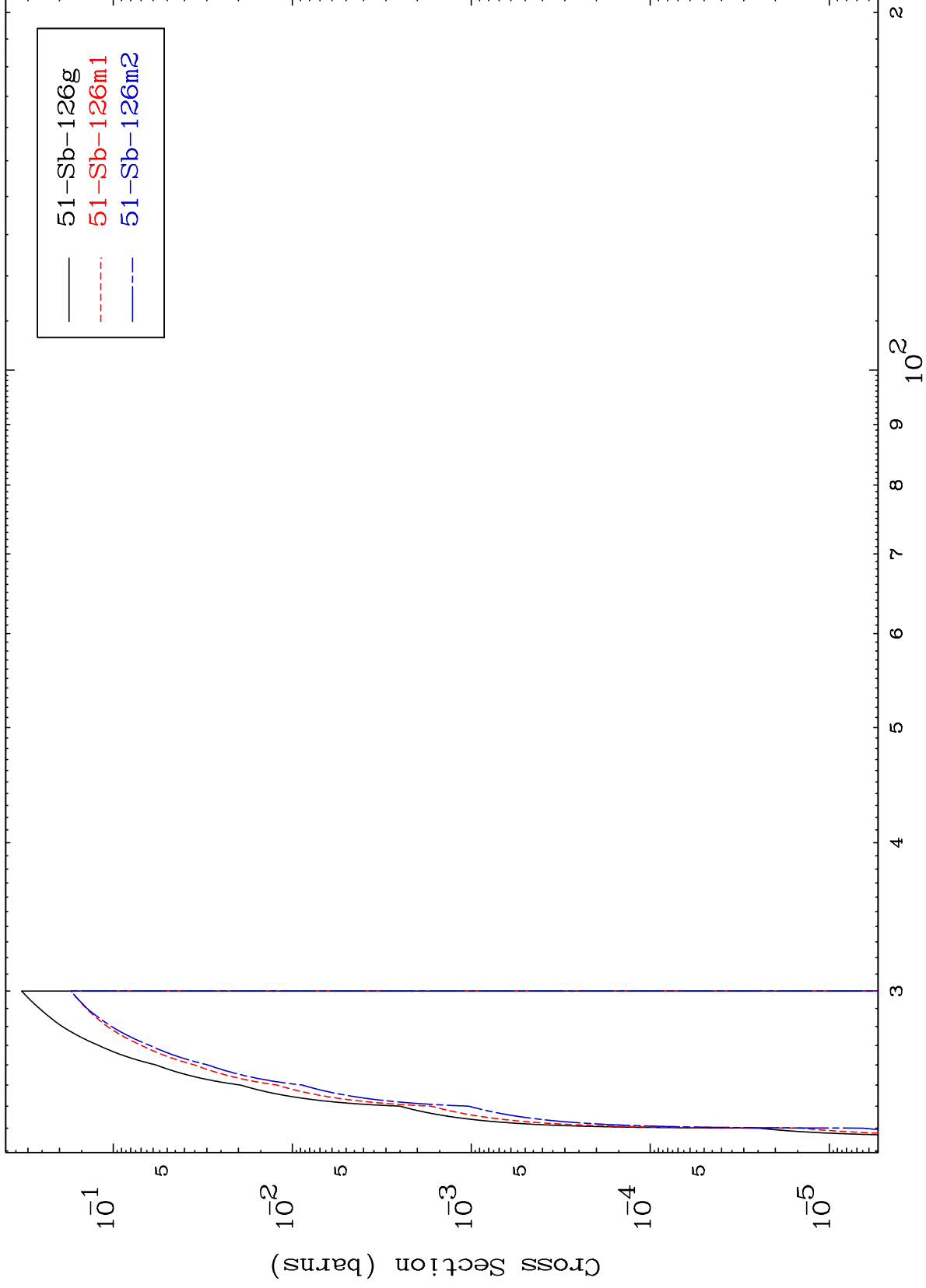


MAT 5149

(n,4n)

51-Sb-129

Radionuclide Production Cross Section



145

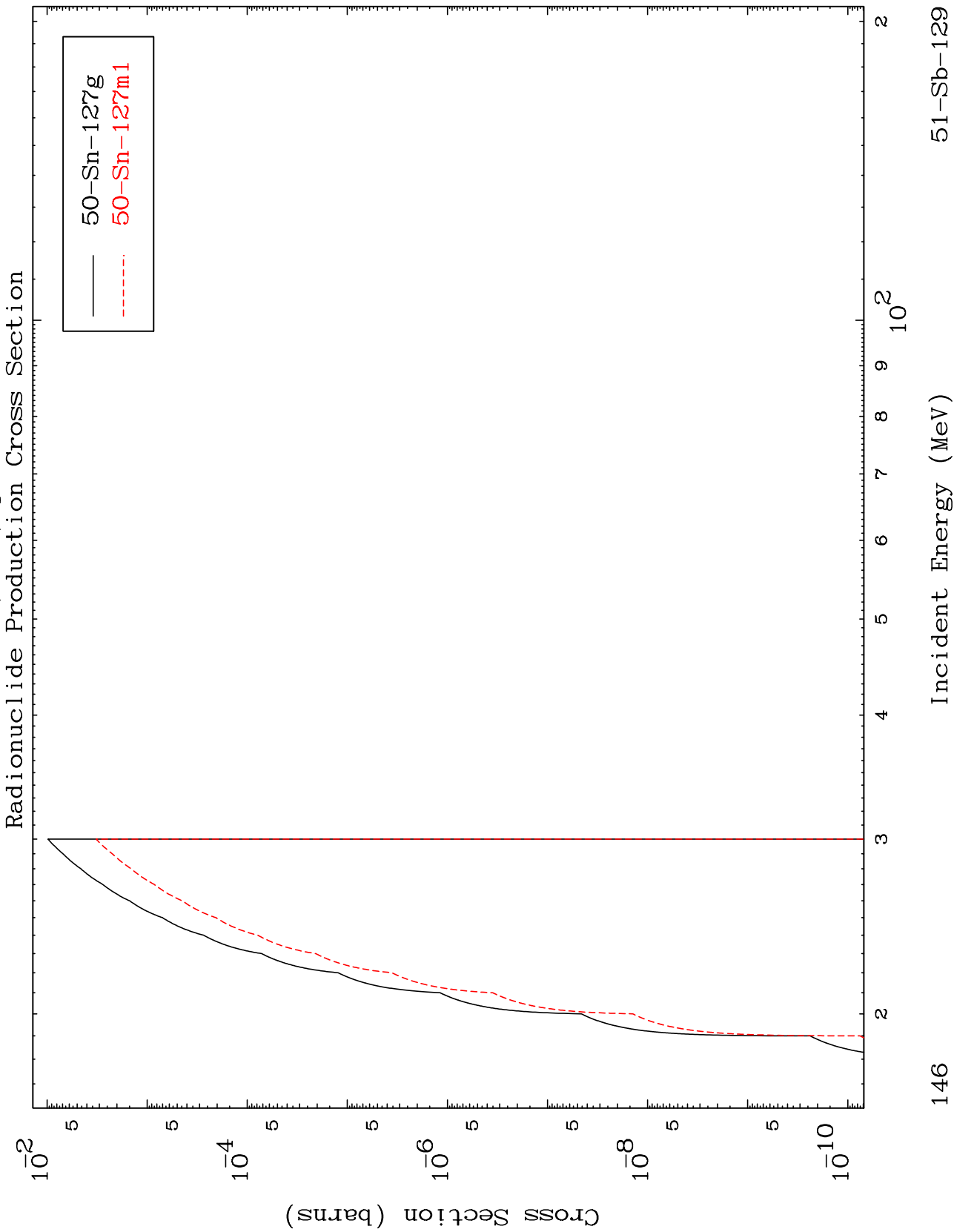
Incident Energy (MeV)

51-Sb-129

MAT 5149

(n,2n) p

51-Sb-129



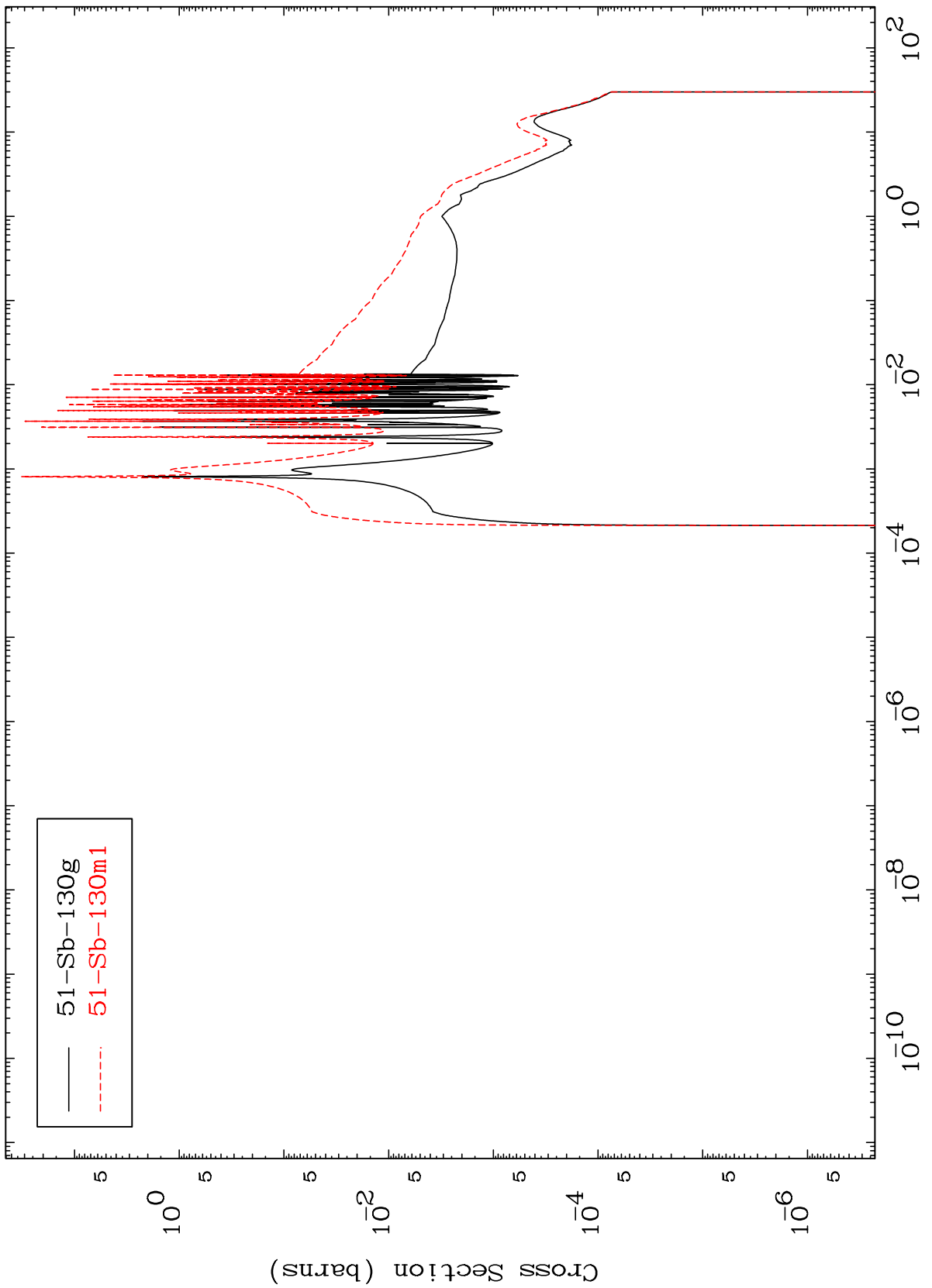
146

51-Sb-129

MAT 5149

51-Sb-129

Radionuclide Production Cross Section
(n, γ)



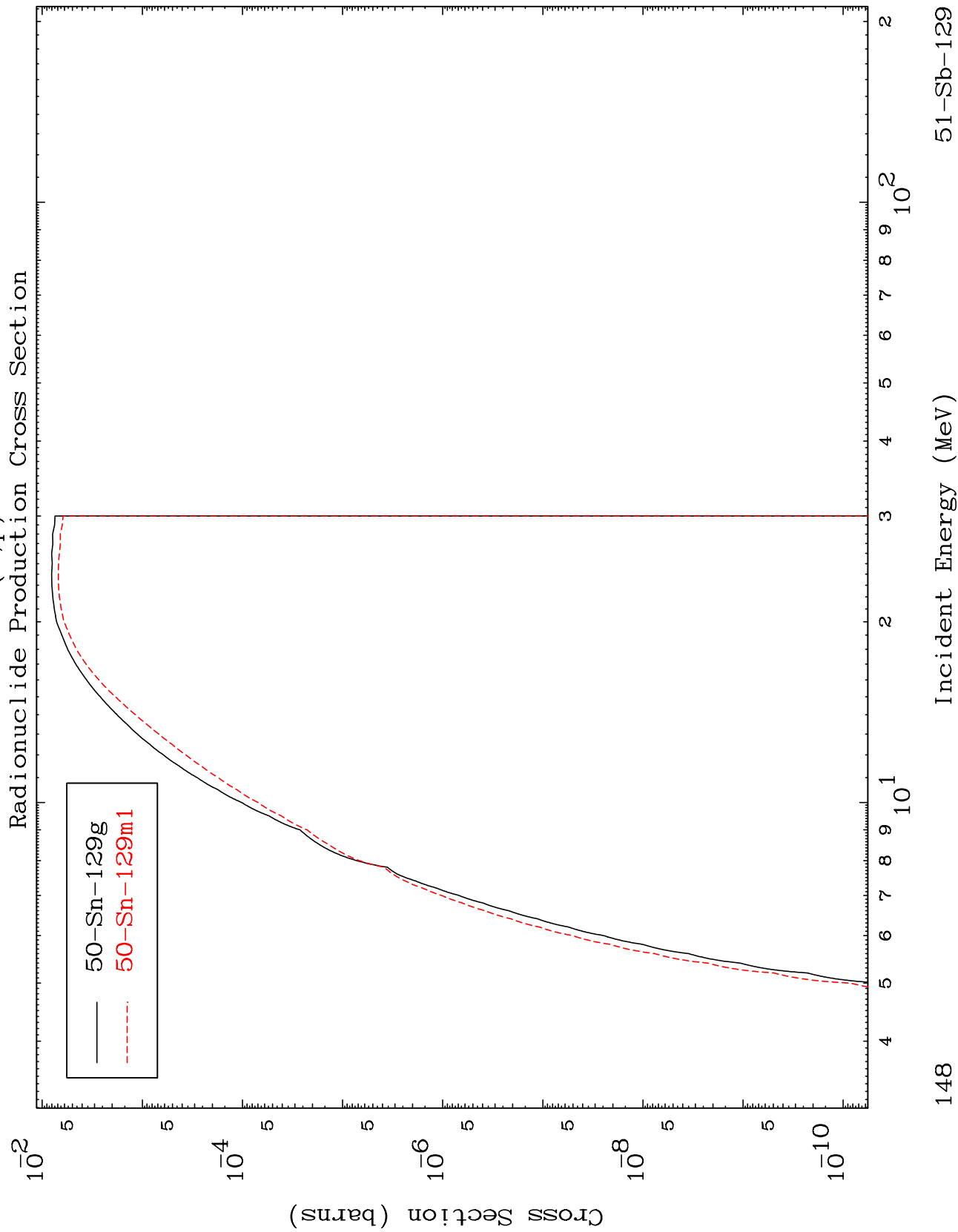
51-Sb-129

Incident Energy (MeV)

147

MAT 5149

51-Sb-129



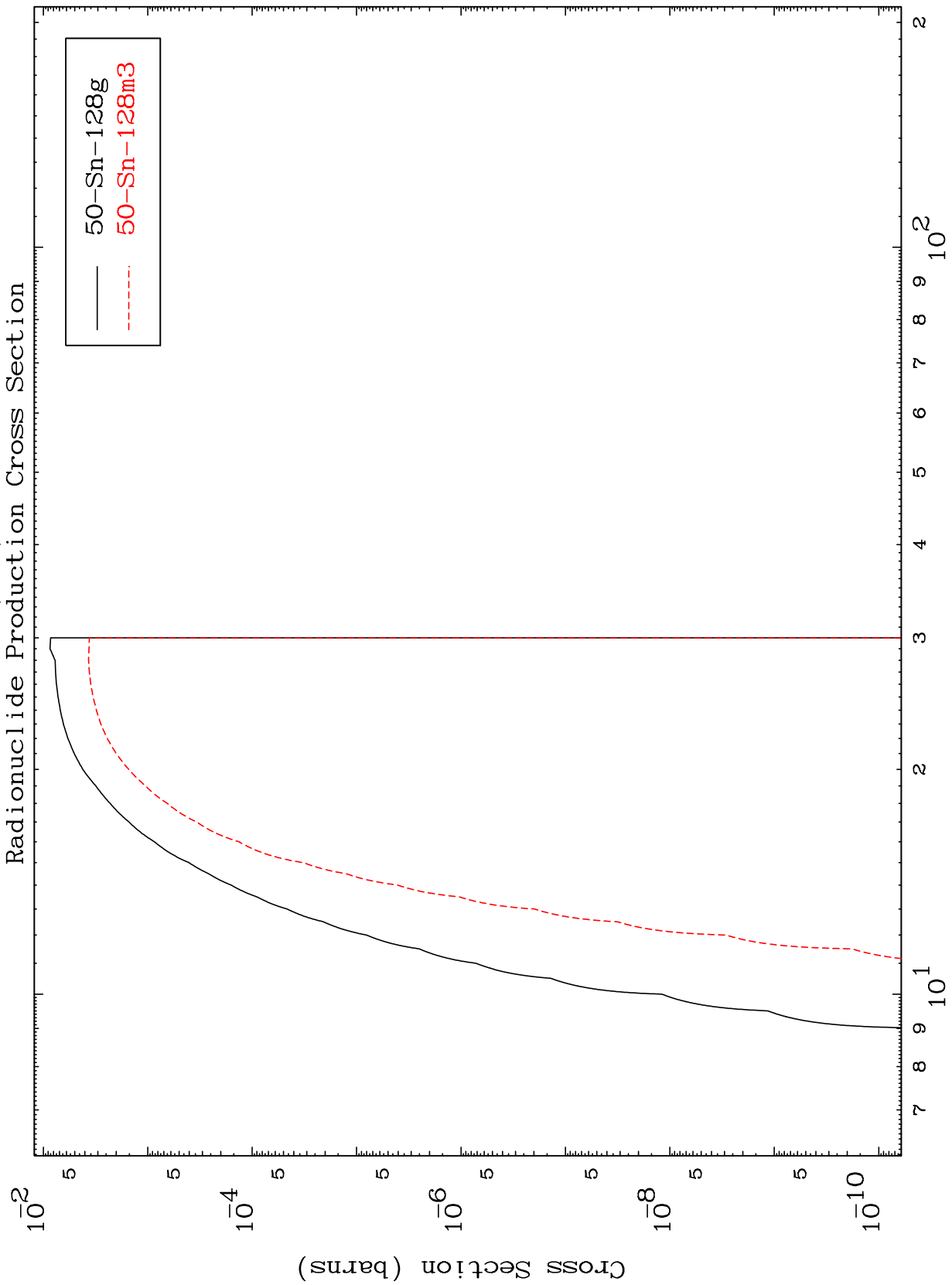
148

51-Sb-129

MAT 5149

51-Sb-129

(n,d)
Radionuclide Production Cross Section



149

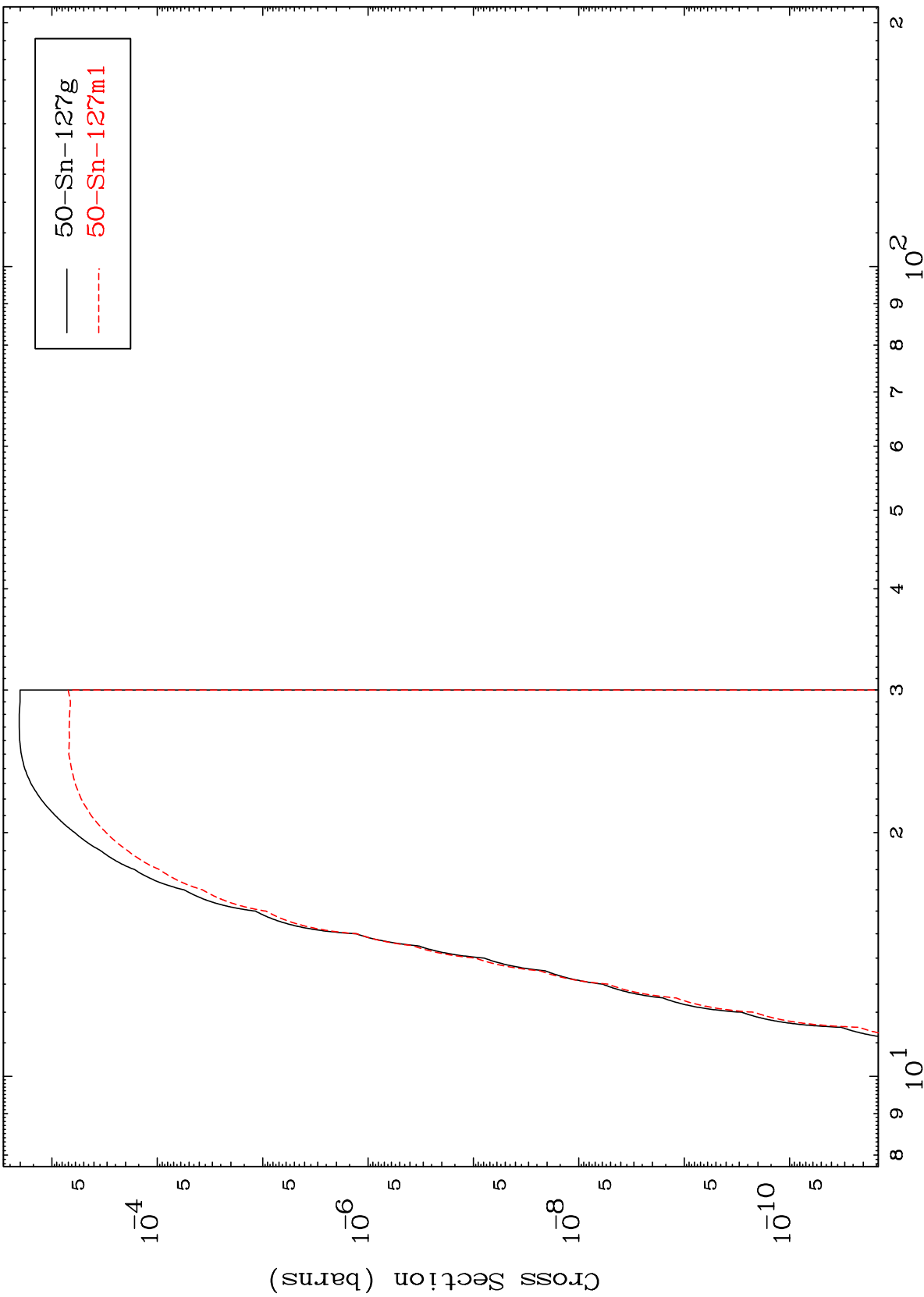
Incident Energy (MeV)

51-Sb-129

MAT 5149

51-Sb-129

(n,t)
Radionuclide Production Cross Section

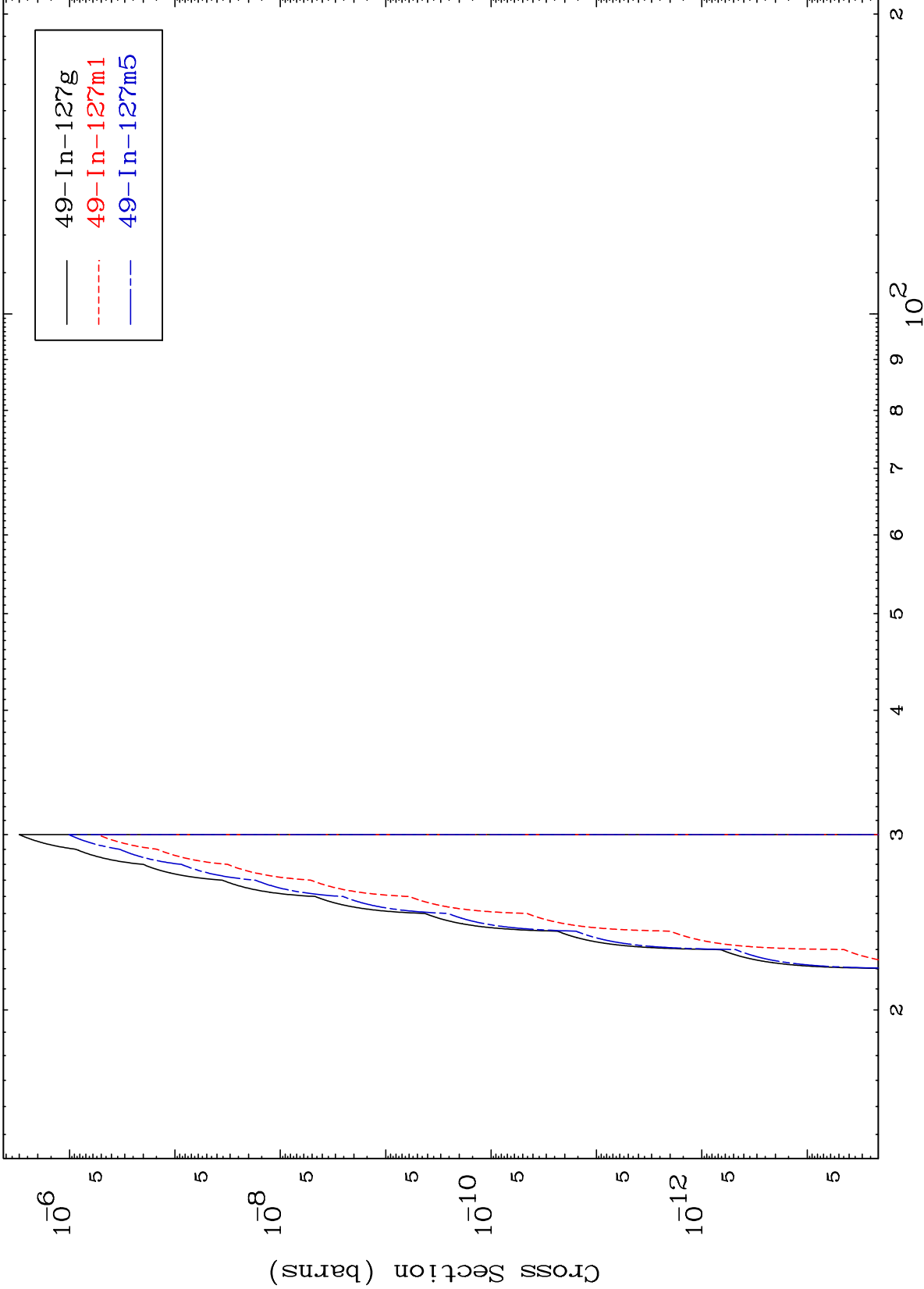


150

Incident Energy (MeV)

51-Sb-129

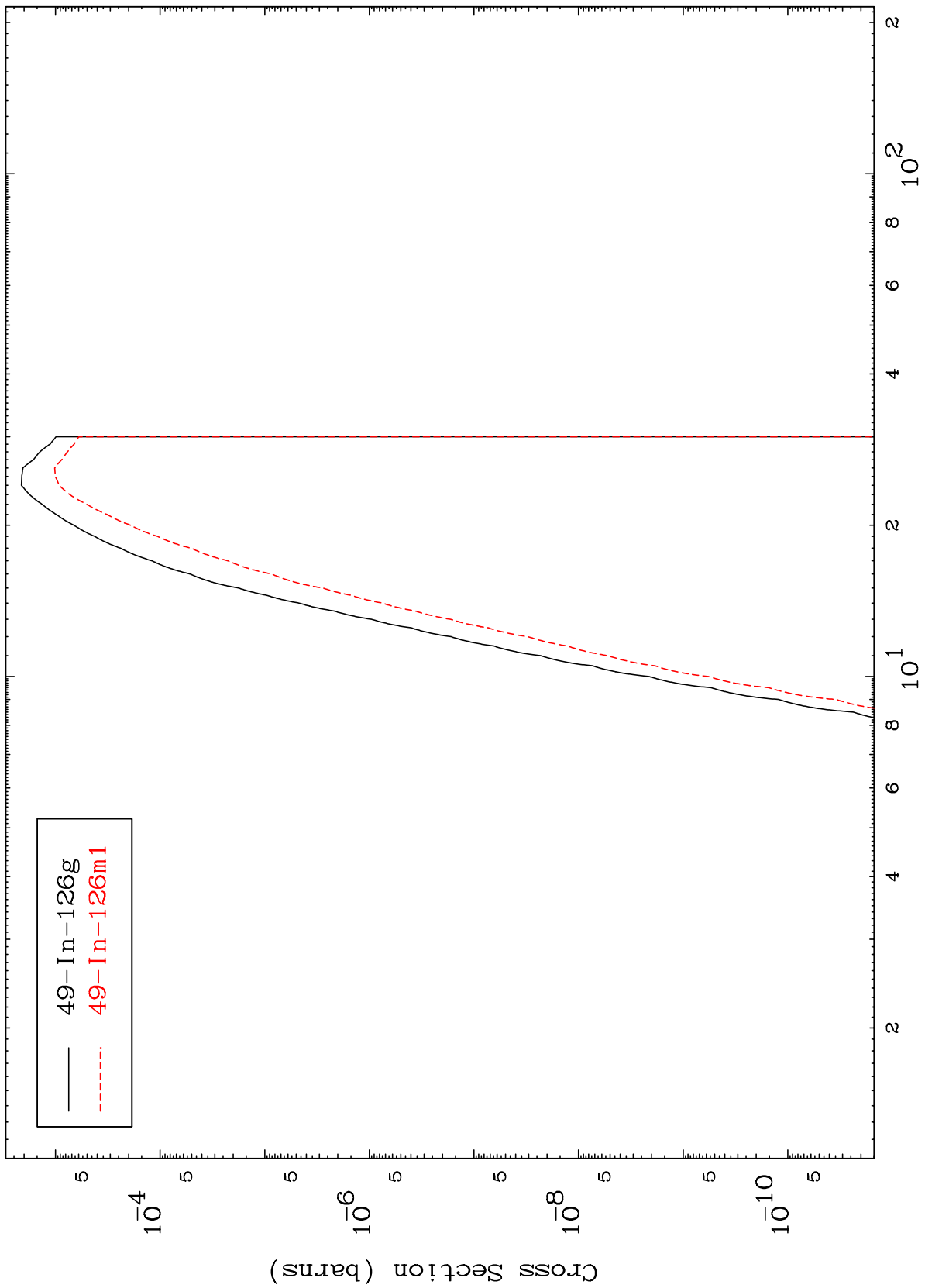
Radionuclide Production Cross Section



MAT 5149

51-Sb-129

Radionuclide Production Cross Section



152

51-Sb-129

Incident Energy (MeV)

(n,2p)
Radionuclide Production Cross Section

