

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

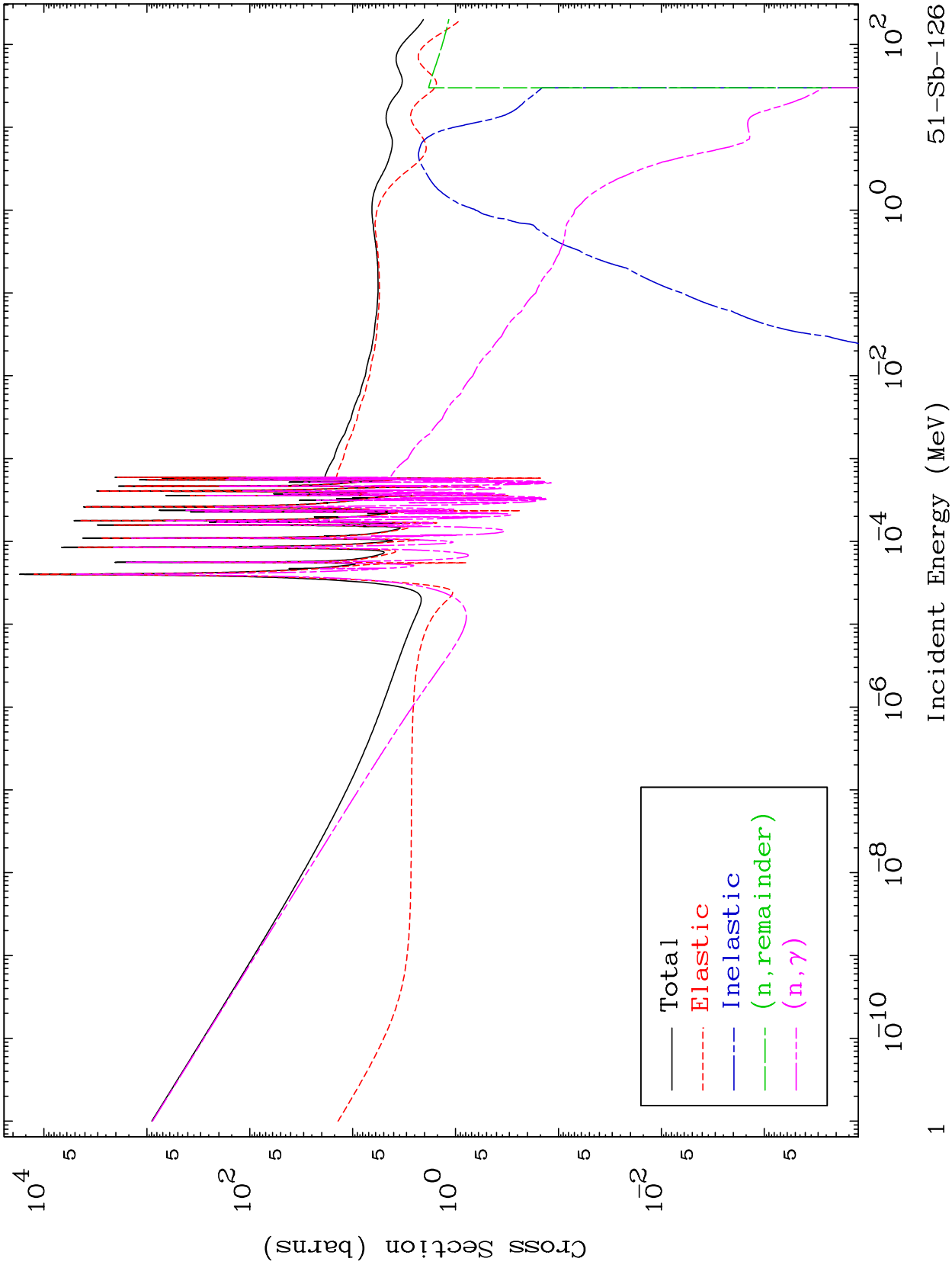
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5140

Major  
293 Kelvin Cross Sections

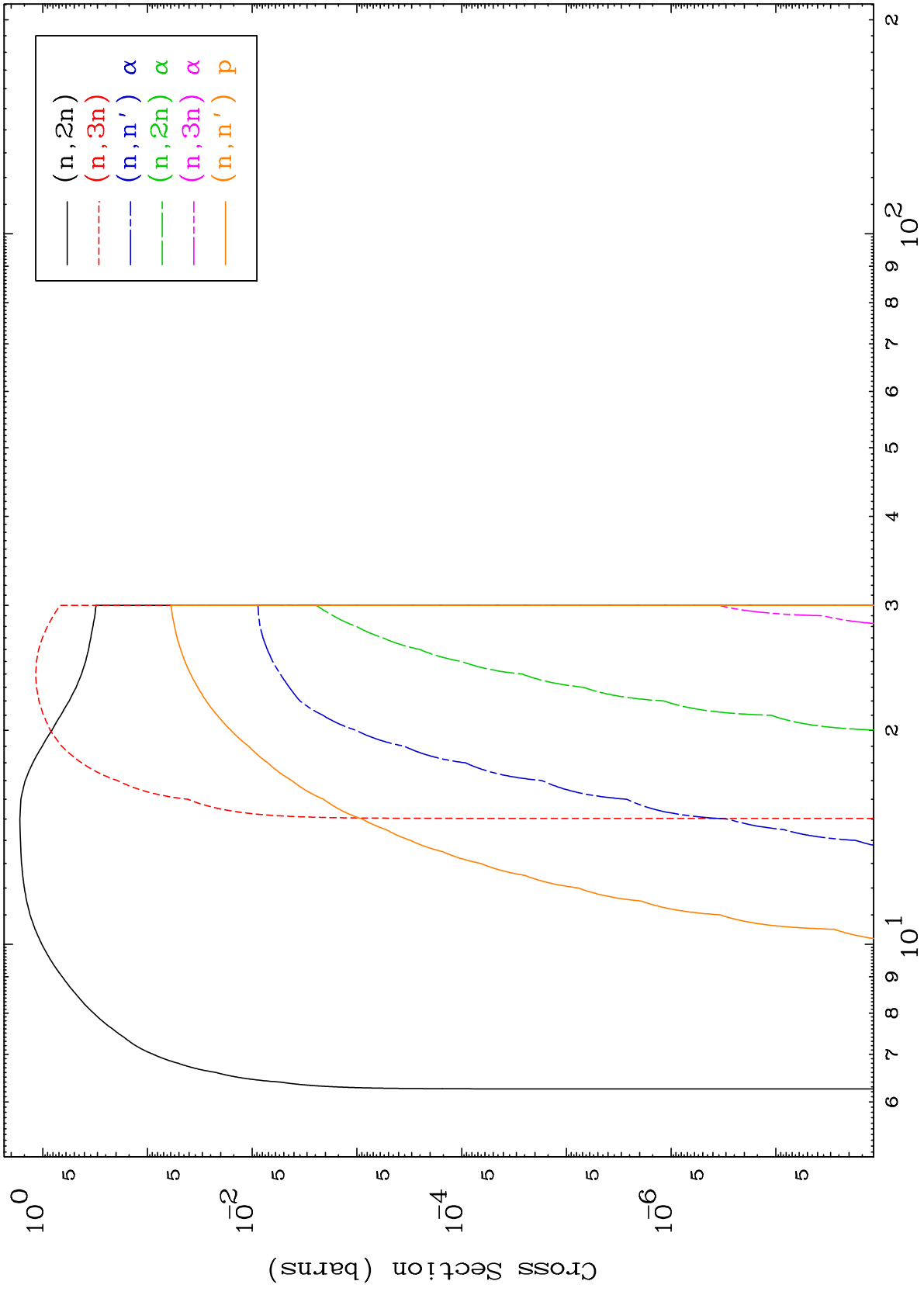
51-Sb-126



MAT 5140

Neutron Production  
293 Kelvin Cross Sections

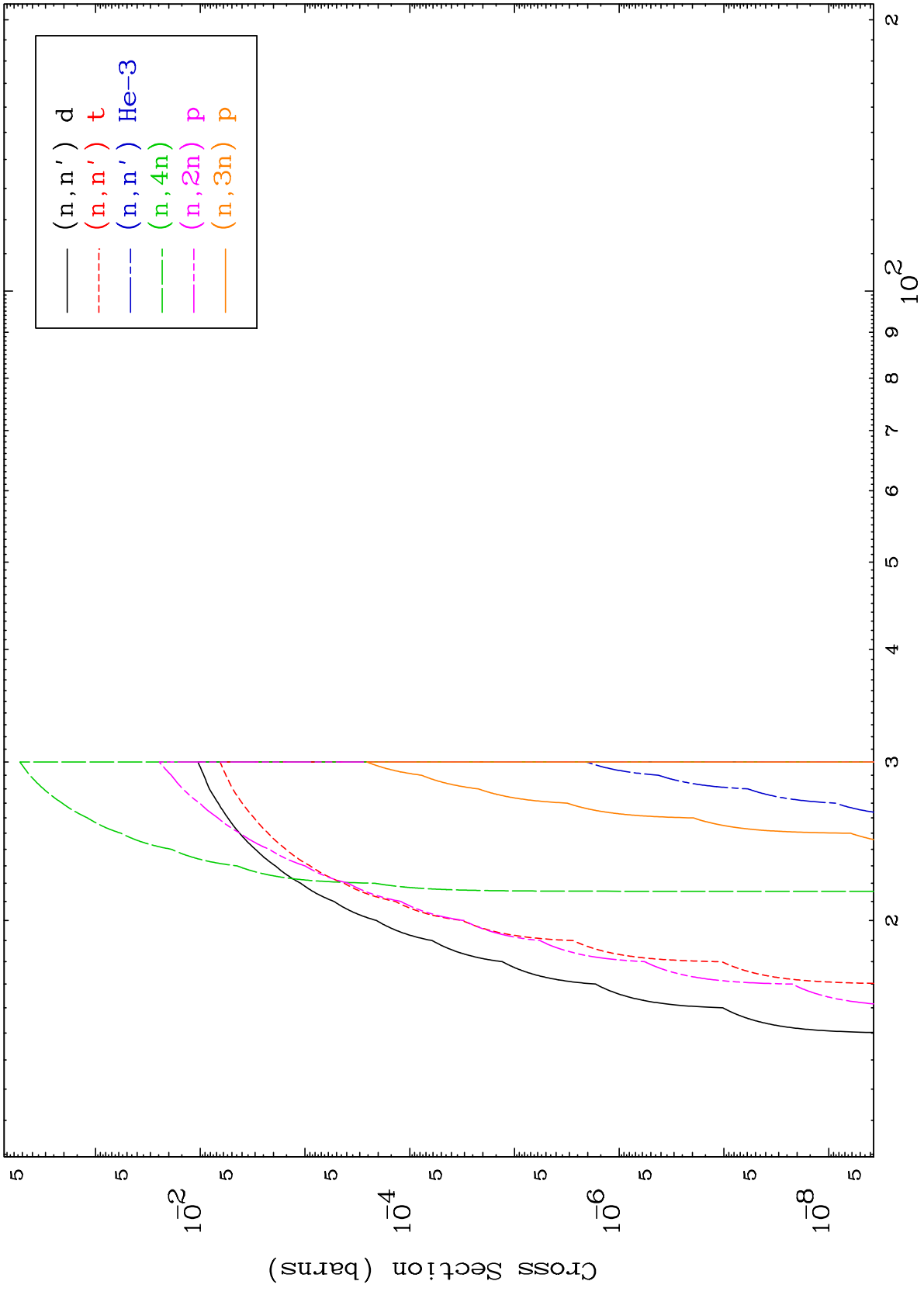
51-Sb-126

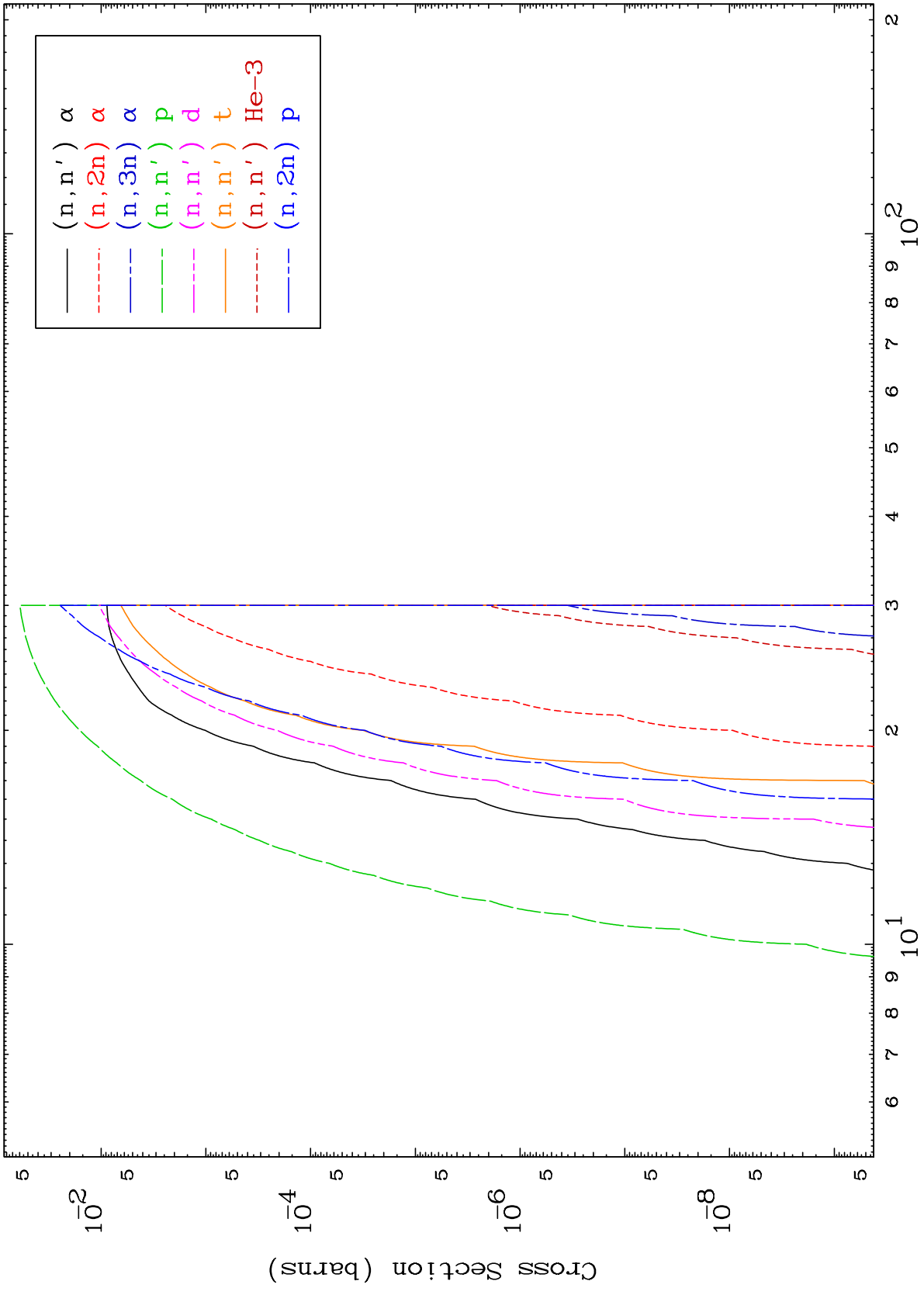


2

Incident Energy (MeV)

51-Sb-126

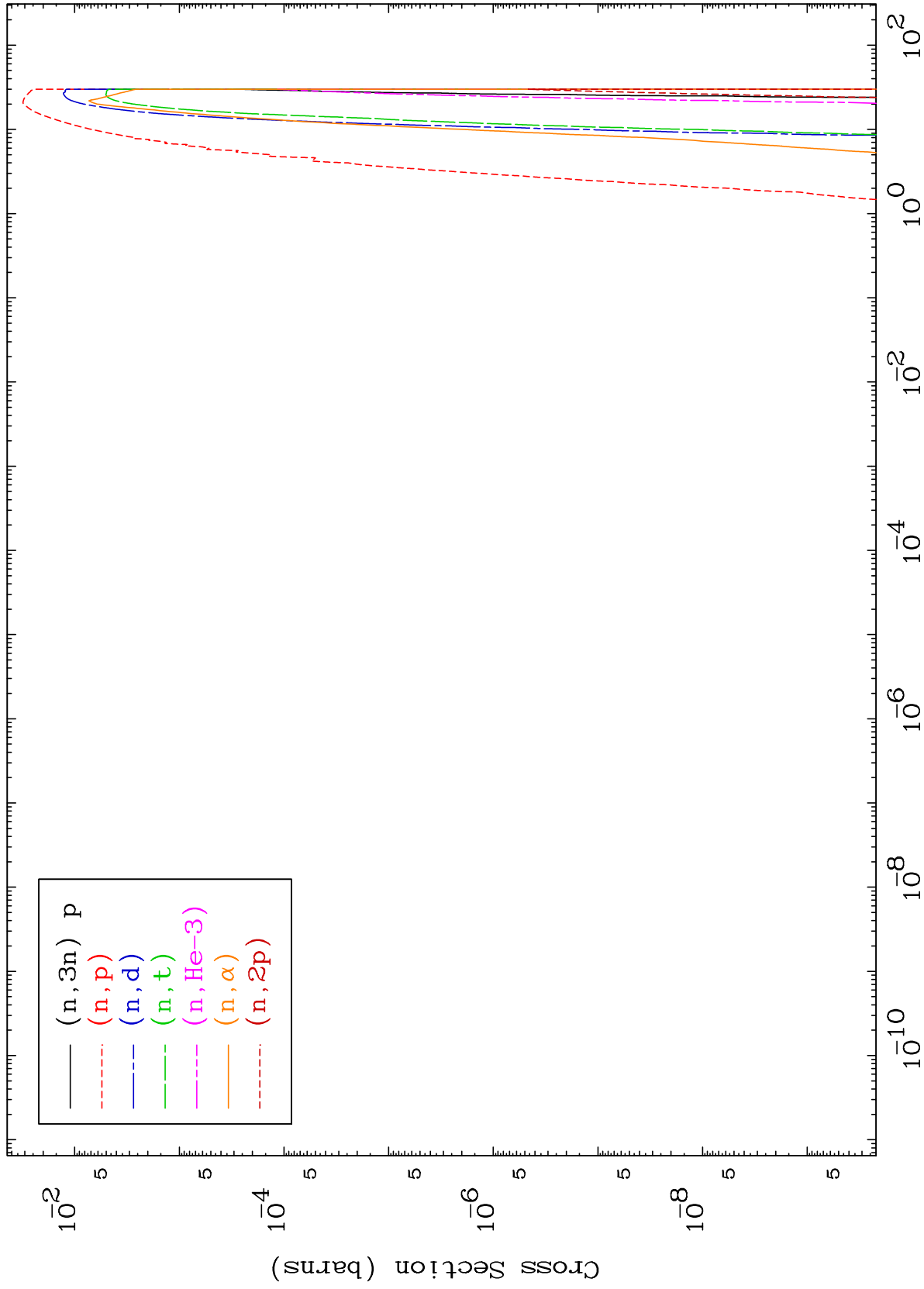




MAT 5140

Charged Particle  
293 Kelvin Cross Sections

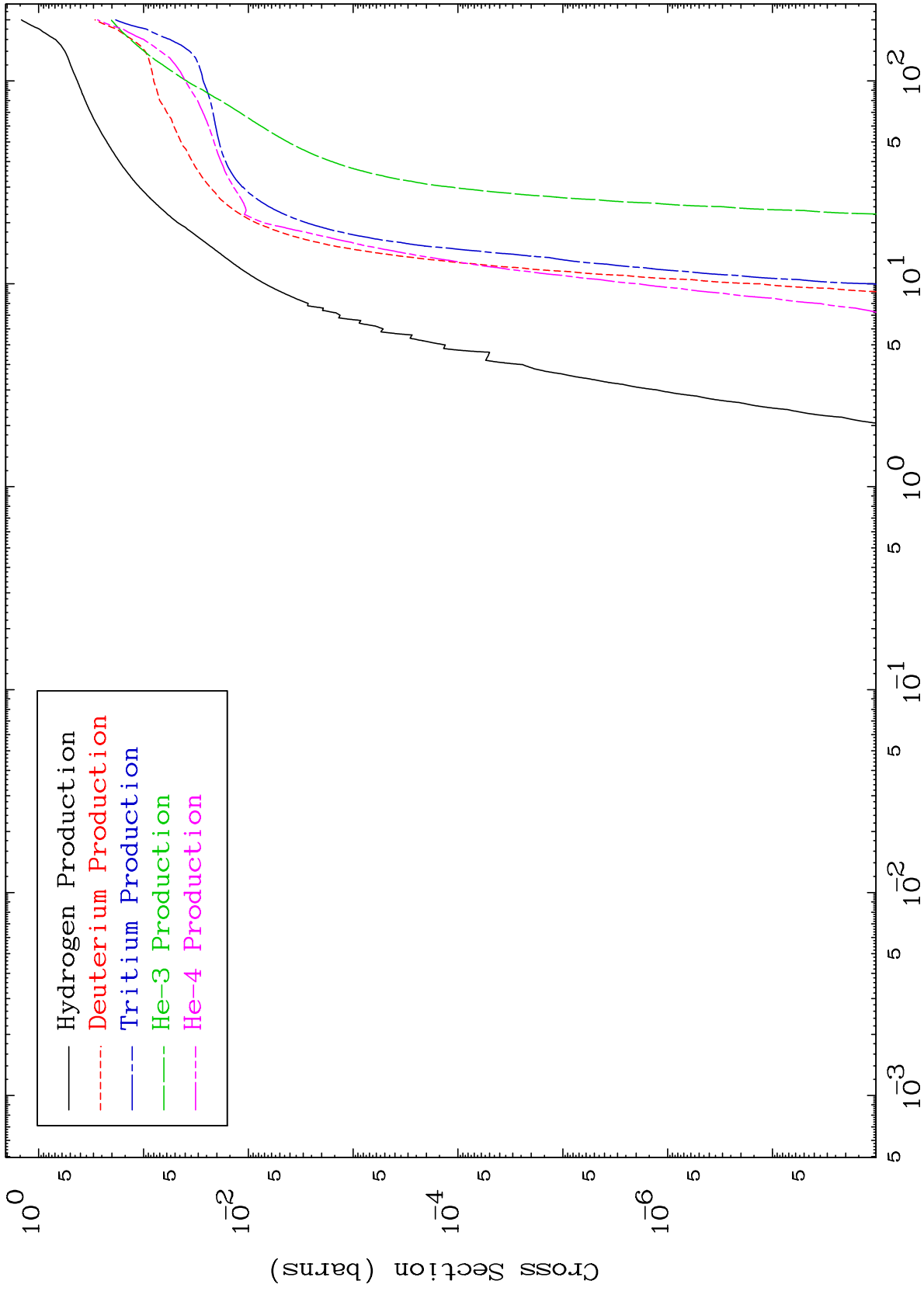
51-Sb-126



MAT 5140

Particle Production  
293 Kelvin Cross Sections

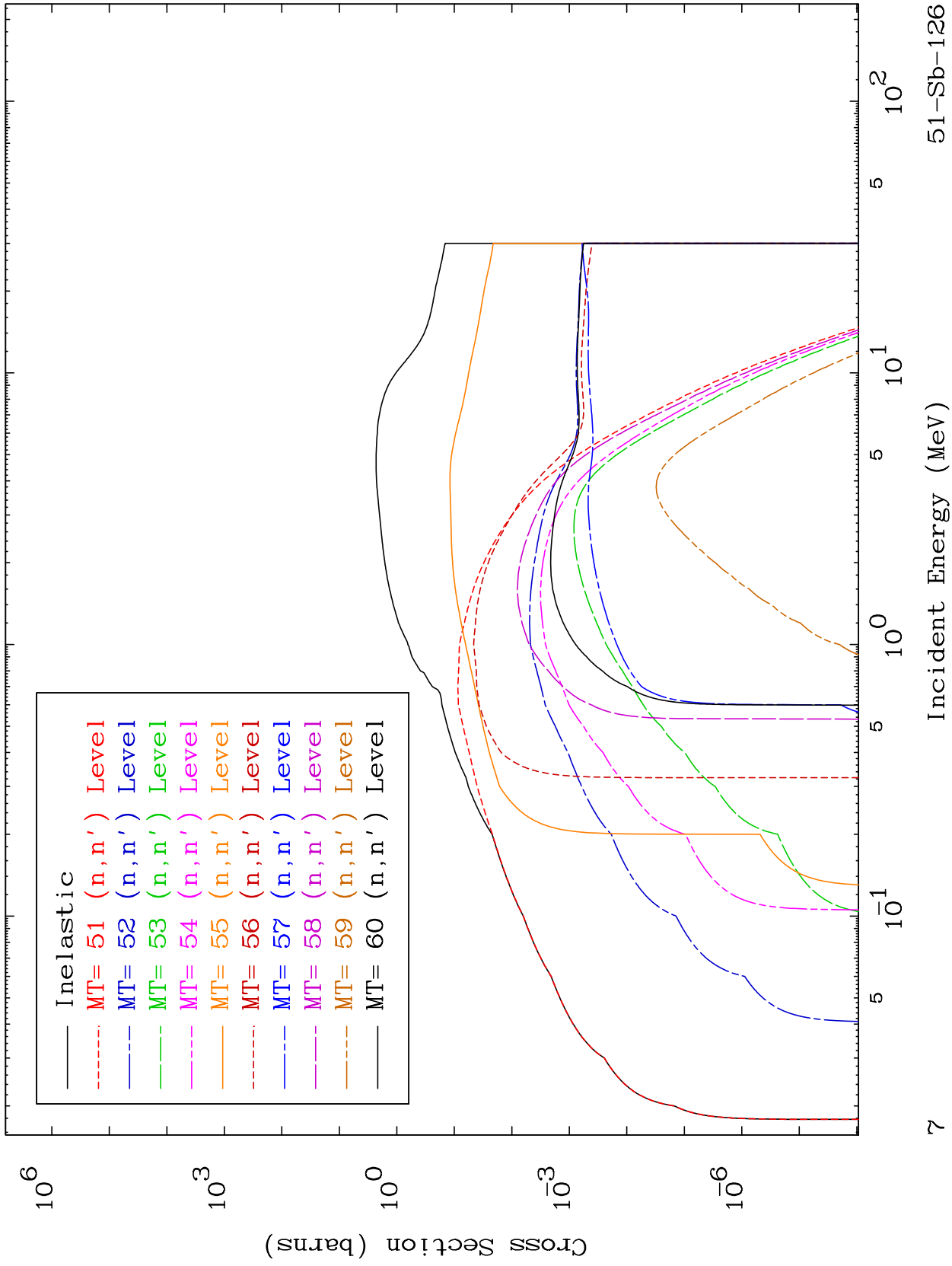
51-Sb-126



6

Incident Energy (MeV)

51-Sb-126



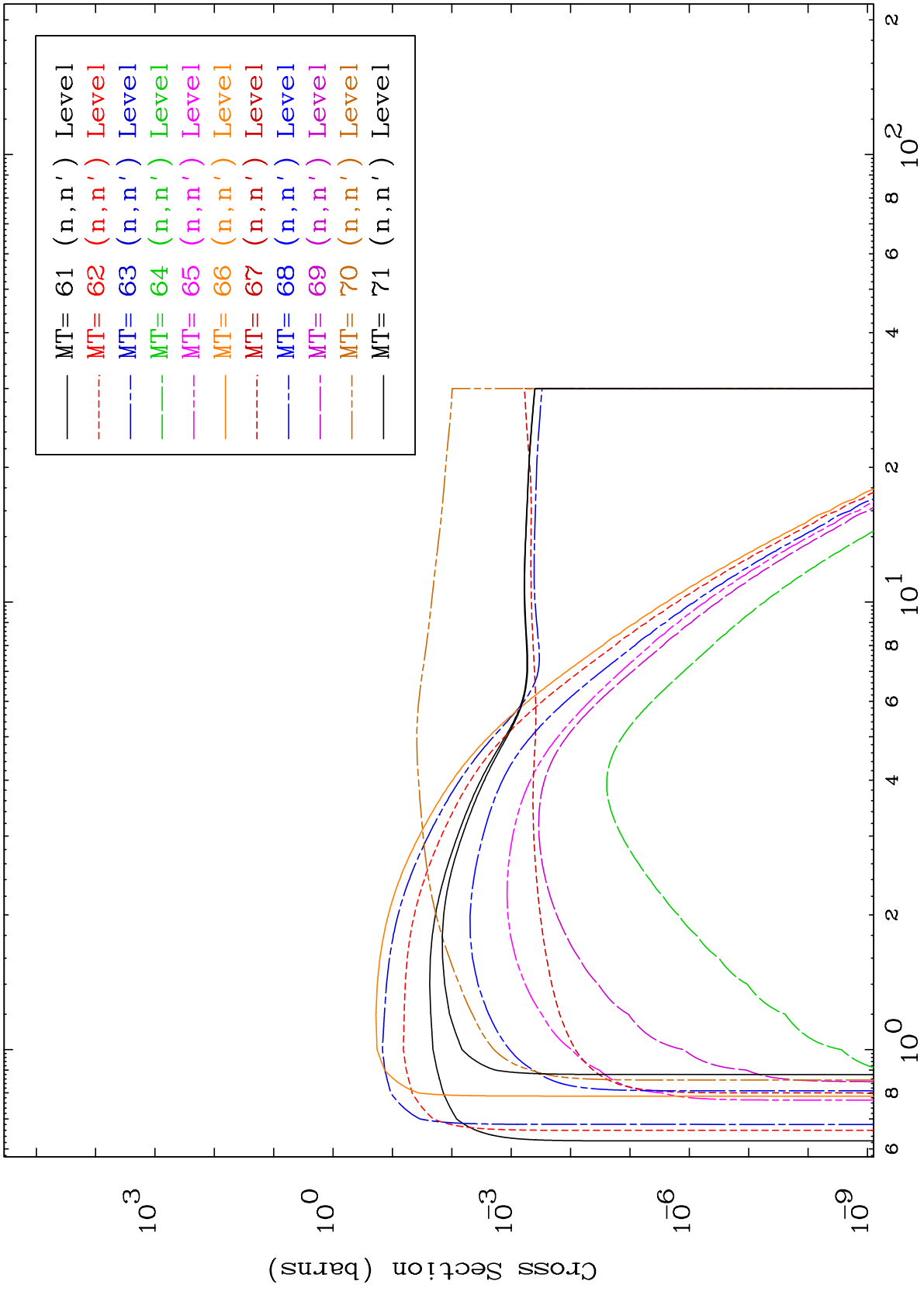


MAT 5140

(n,n') Level

51-Sb-126

293 Kelvin Cross Sections



8

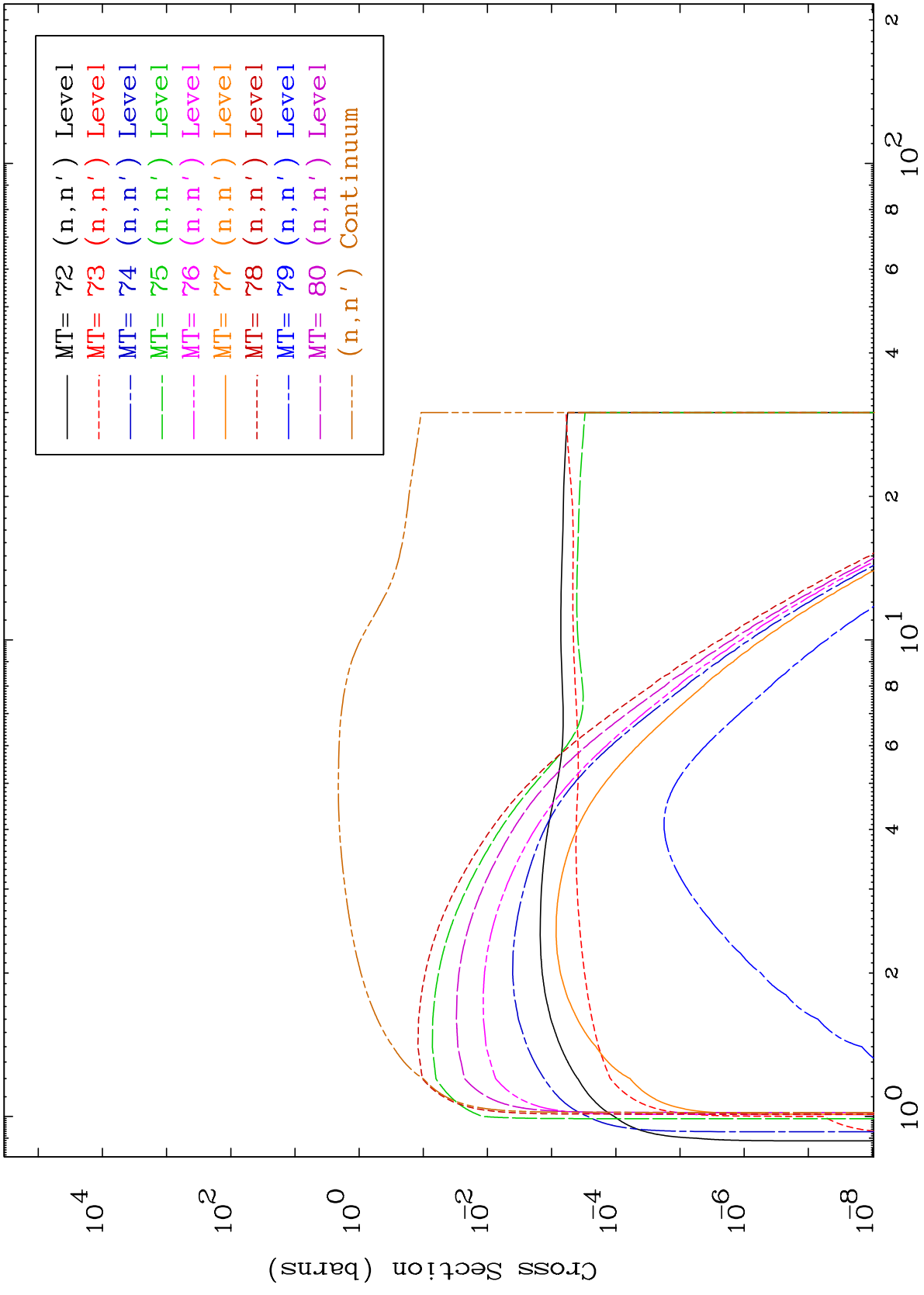
Incident Energy (MeV)

51-Sb-126

MAT 5140

(n,n') Level  
293 Kelvin Cross Sections

51-Sb-126



9

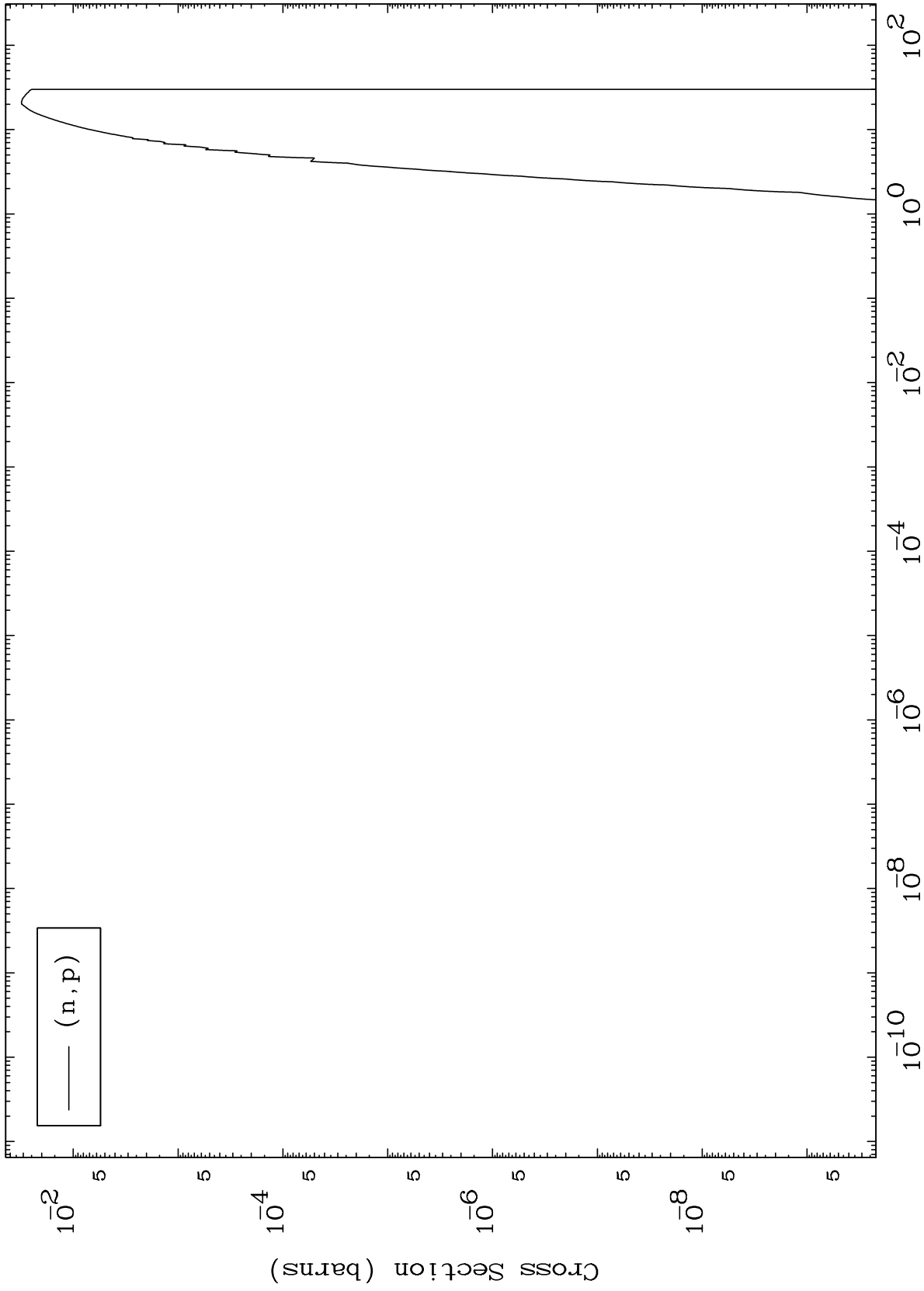
Incident Energy (MeV)

51-Sb-126

MAT 5140

(n,p) Levels  
293 Kelvin Cross Sections

51-Sb-126



10

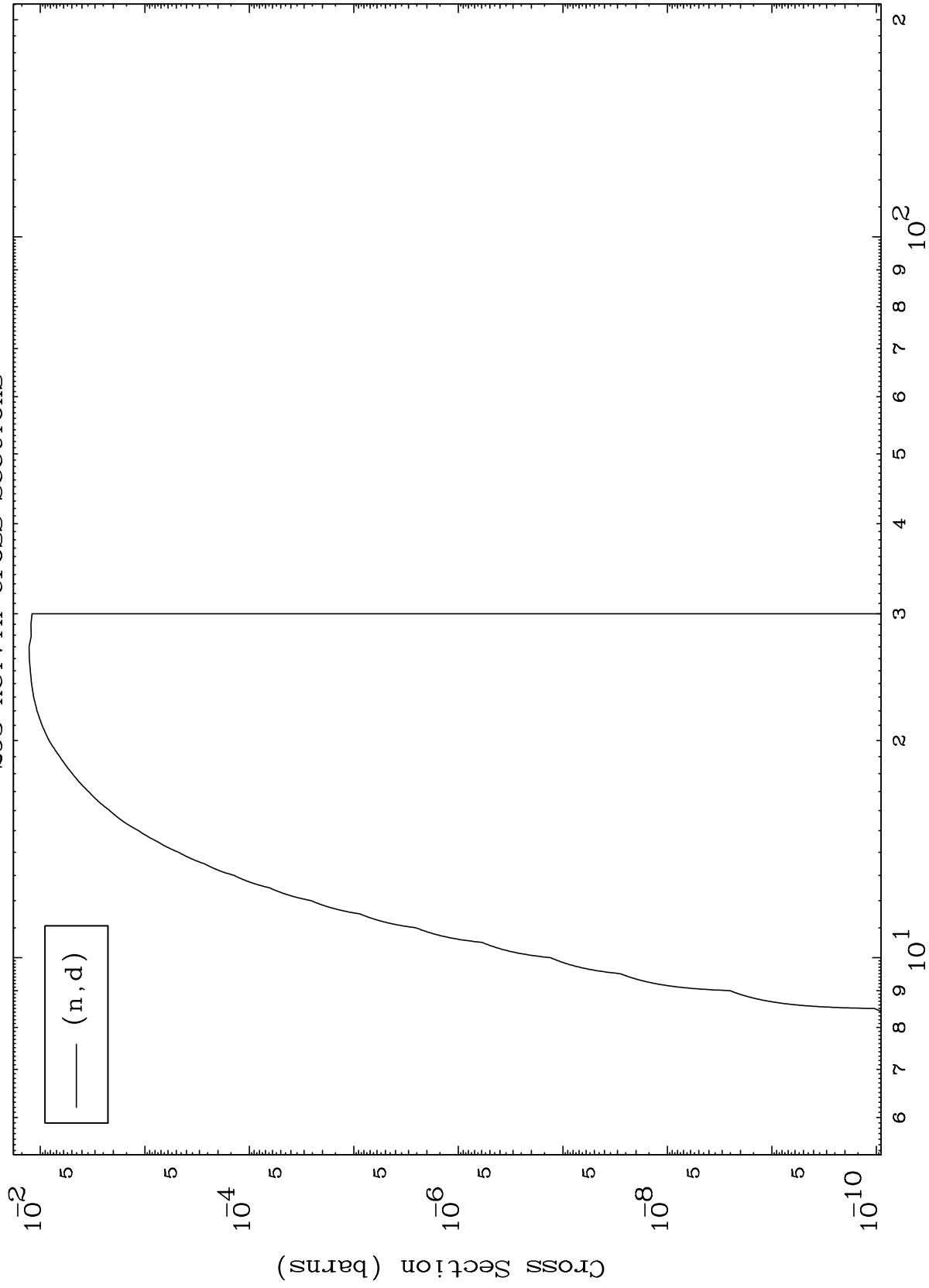
Incident Energy (MeV)

51-Sb-126

MAT 5140

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-126



11

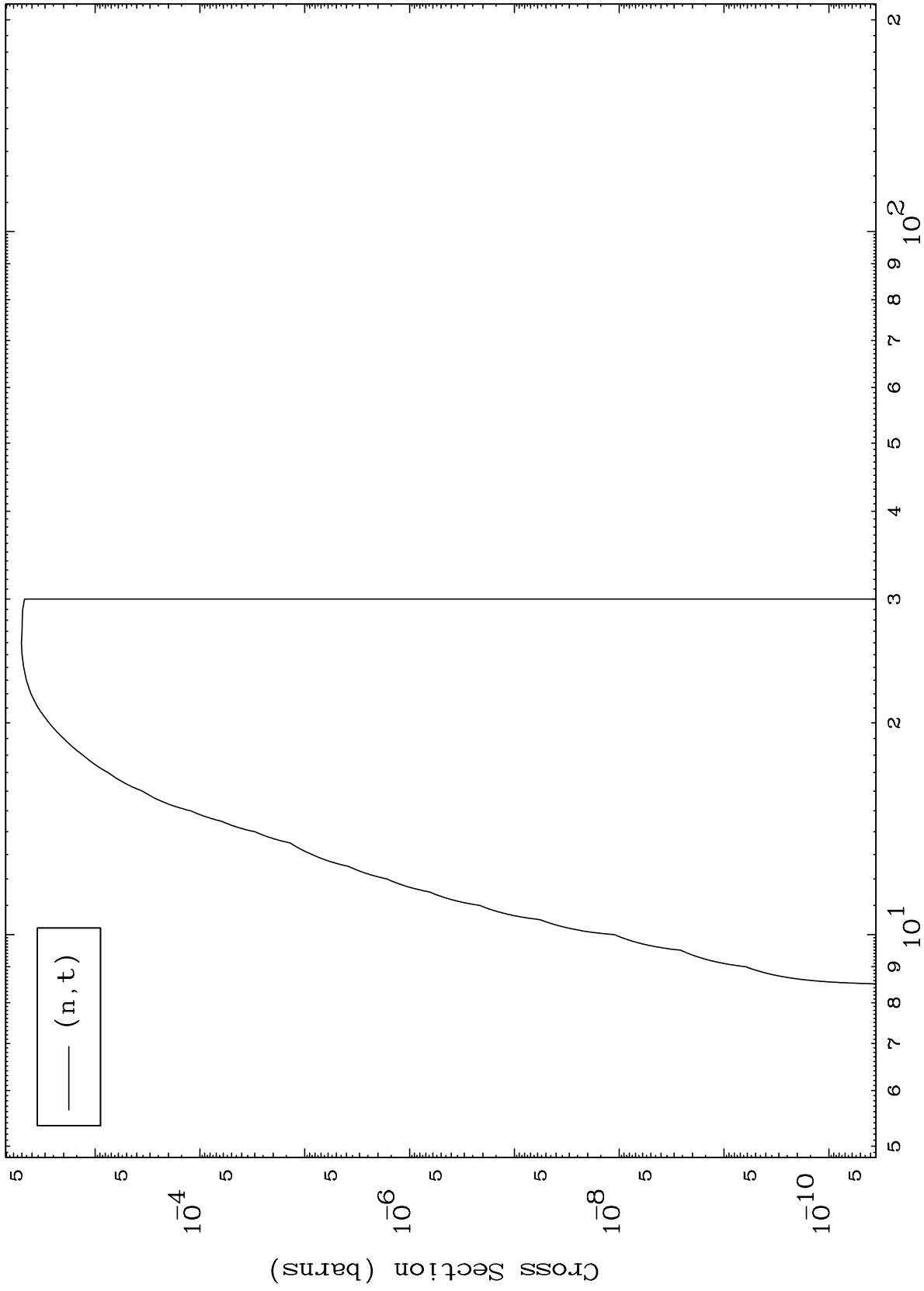
Incident Energy (MeV)

51-Sb-126

MAT 5140

(n,t) Levels  
293 Kelvin Cross Sections

51-Sb-126



12

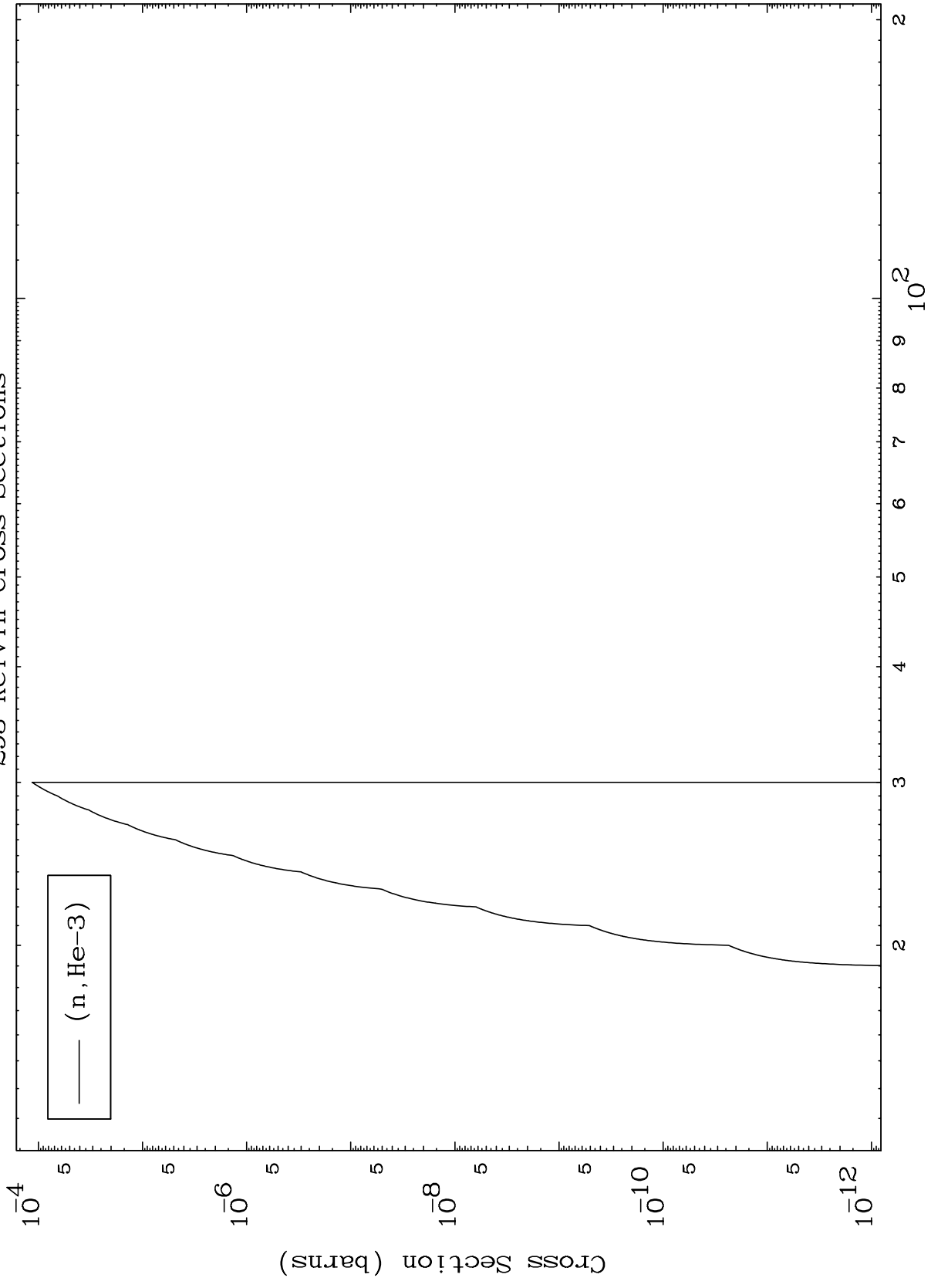
Incident Energy (MeV)

51-Sb-126

MAT 5140

(n,He3) Levels  
293 Kelvin Cross Sections

51-Sb-126



13

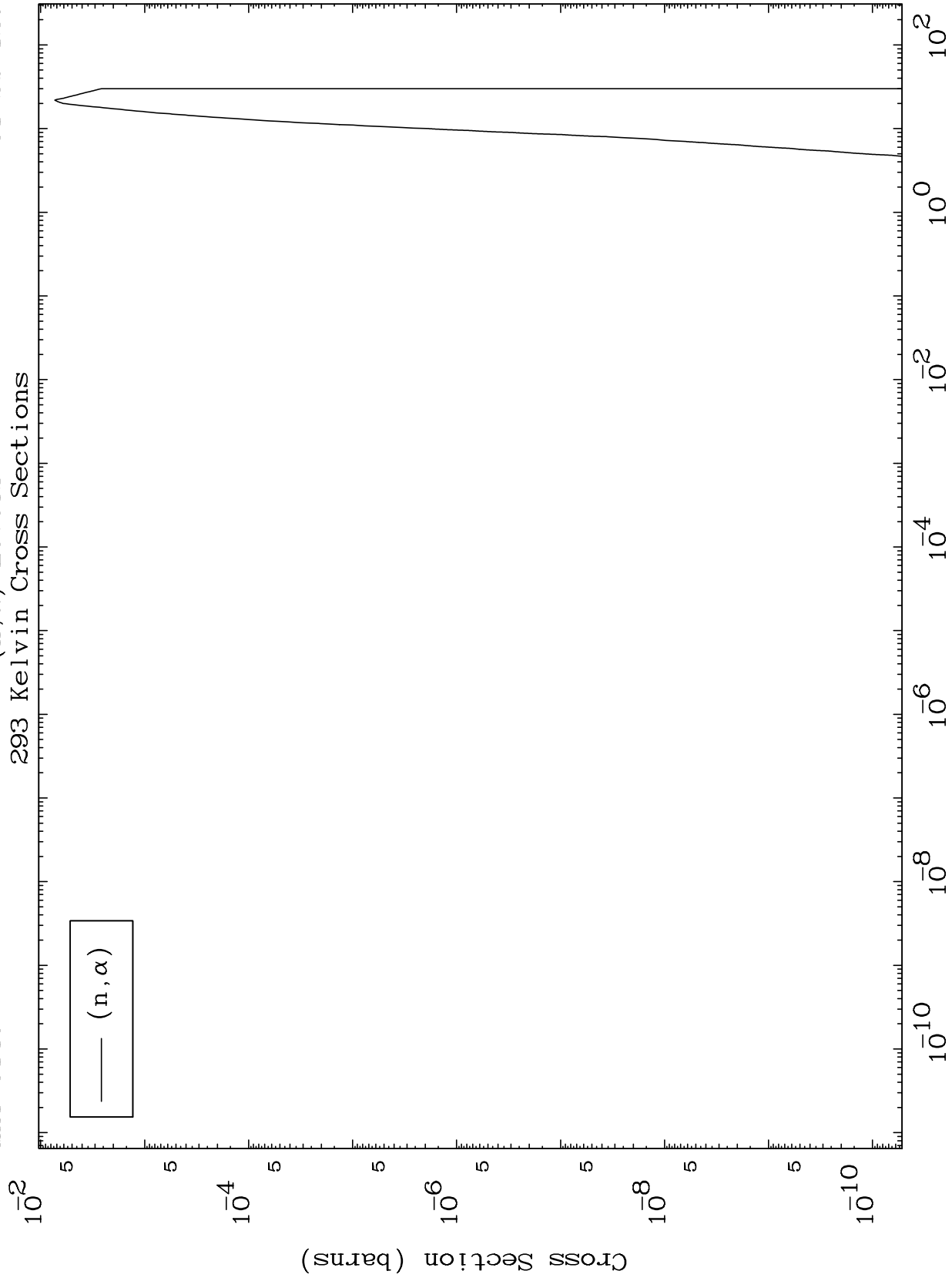
Incident Energy (MeV)

51-Sb-126

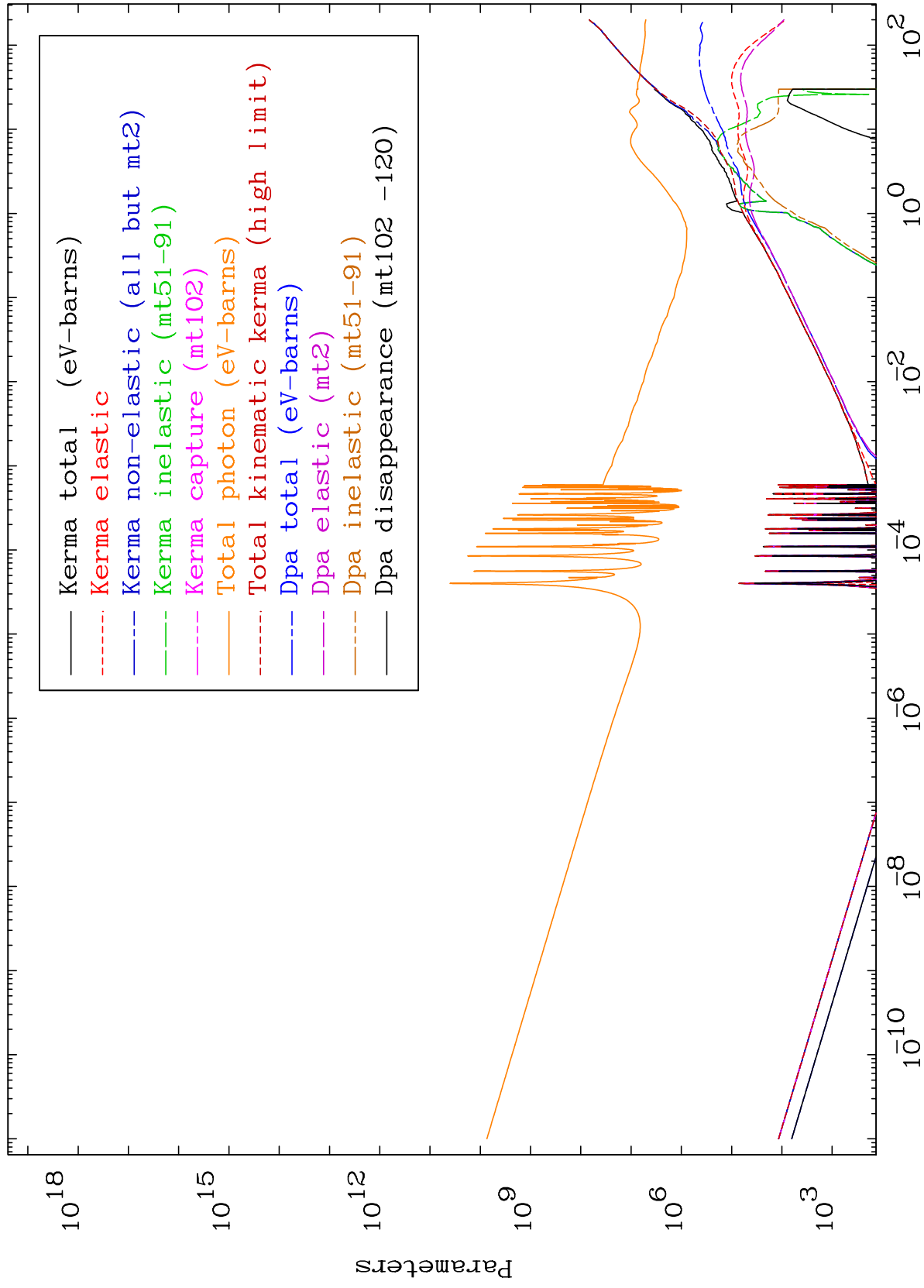
MAT 5140

(n,α) Levels  
293 Kelvin Cross Sections

51-Sb-126



(n,α)

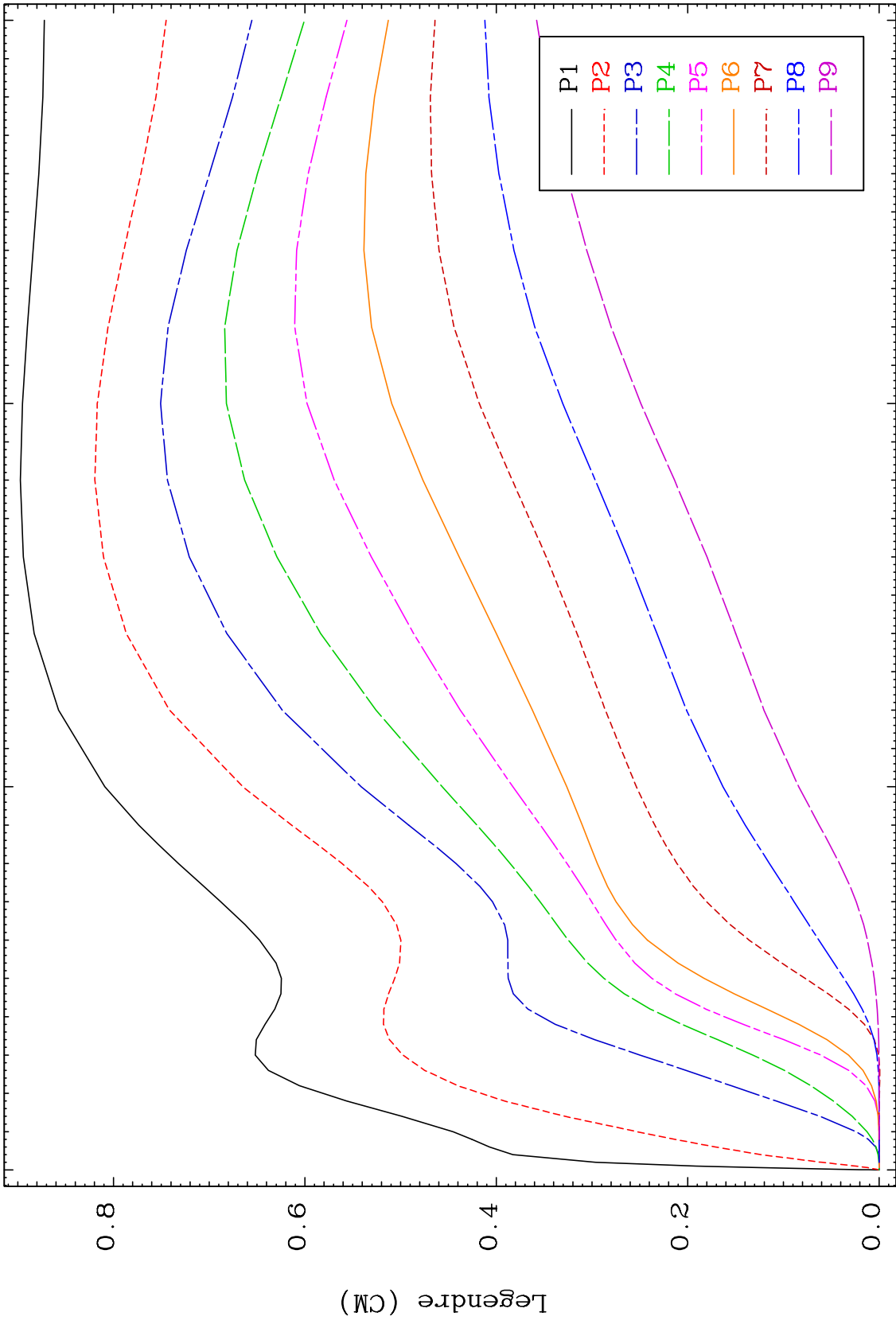




MAT 5140

Elastic Legendre Coefficients

51-Sb-126



16

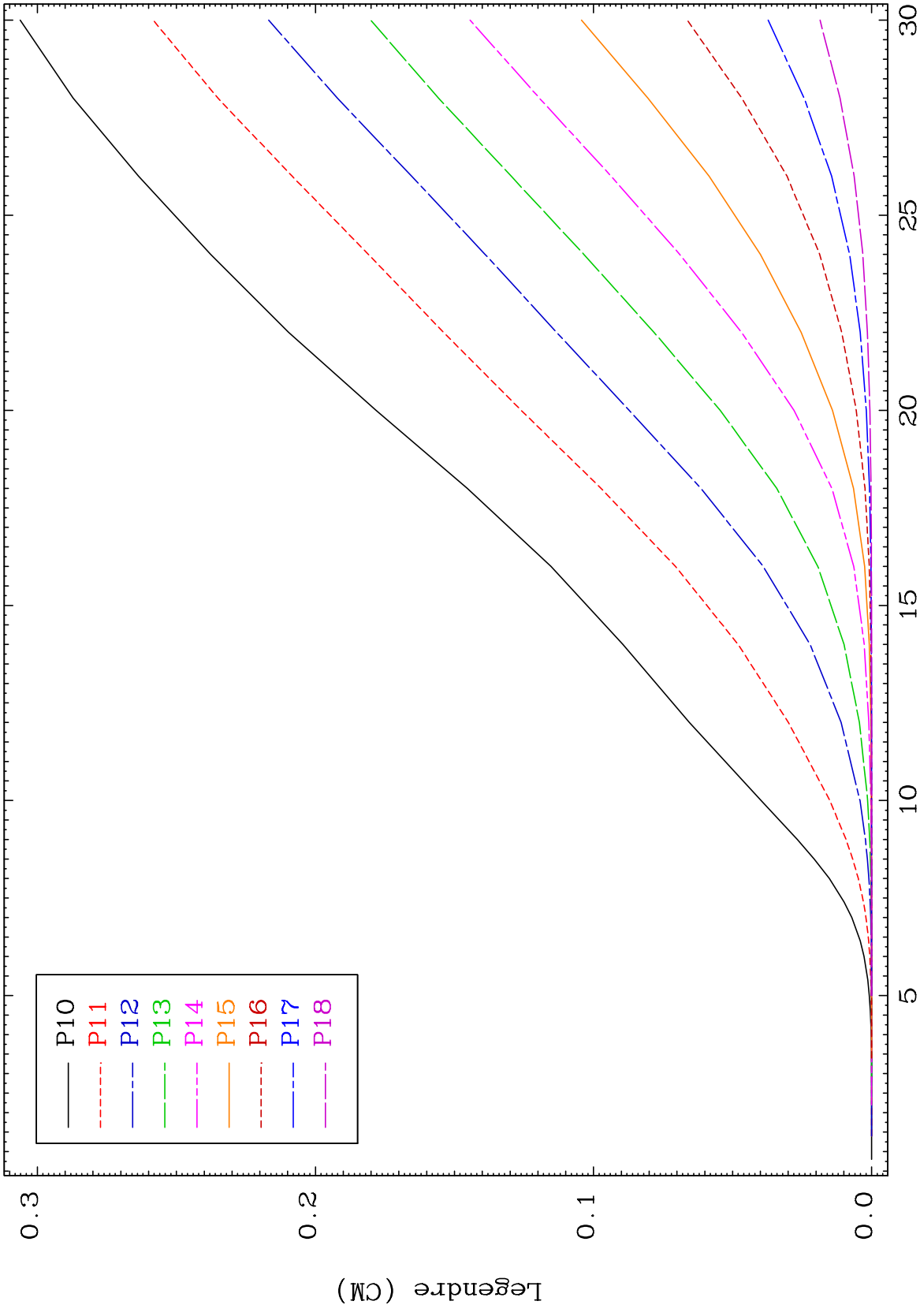
Incident Energy (MeV)

51-Sb-126

MAT 5140

Elastic Legendre Coefficients

51-Sb-126



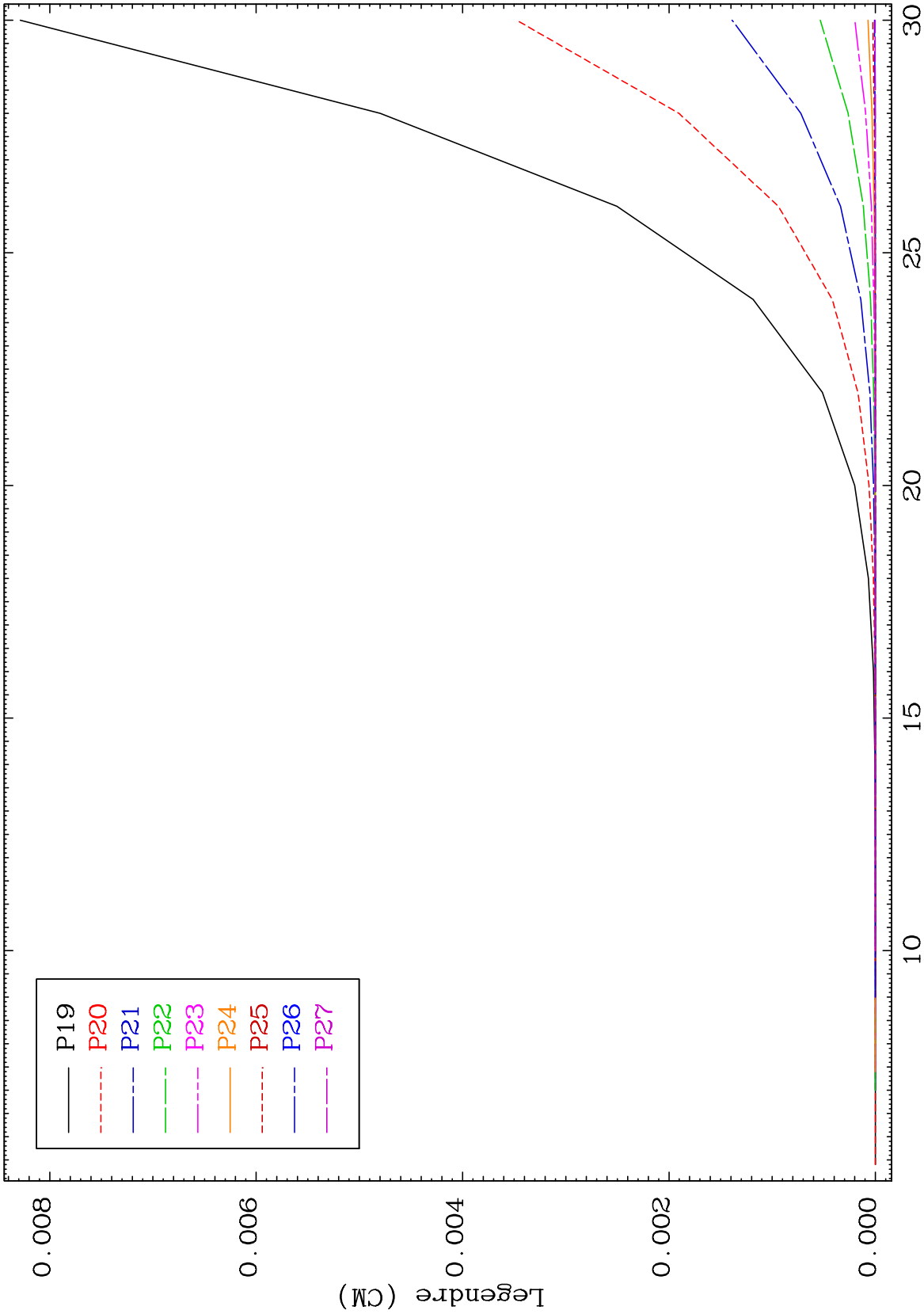
17

51-Sb-126

MAT 5140

### Elastic Legendre Coefficients

51-Sb-126



18

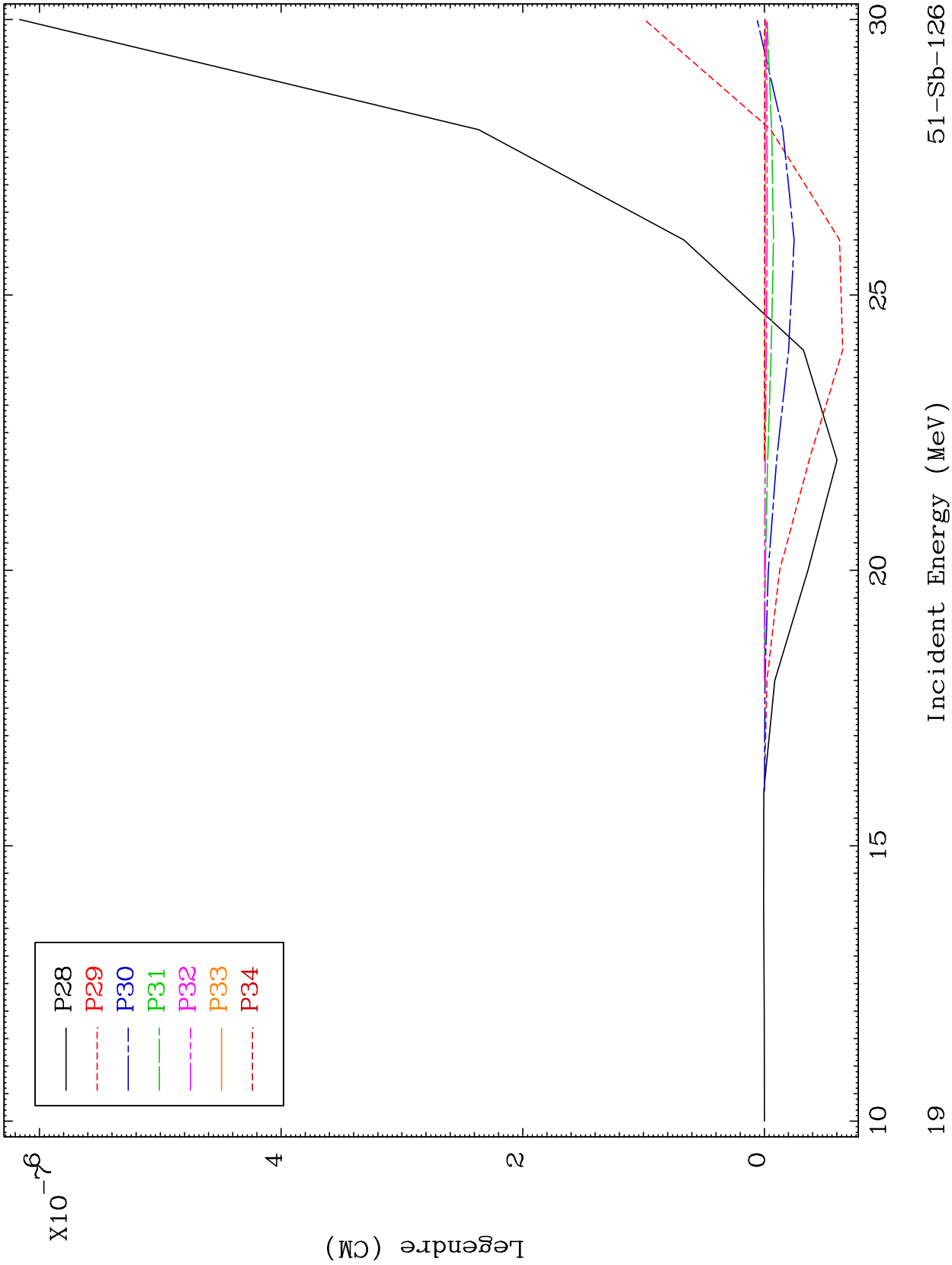
Incident Energy (MeV)

51-Sb-126

MAT 5140

Elastic Legendre Coefficients

51-Sb-126



19

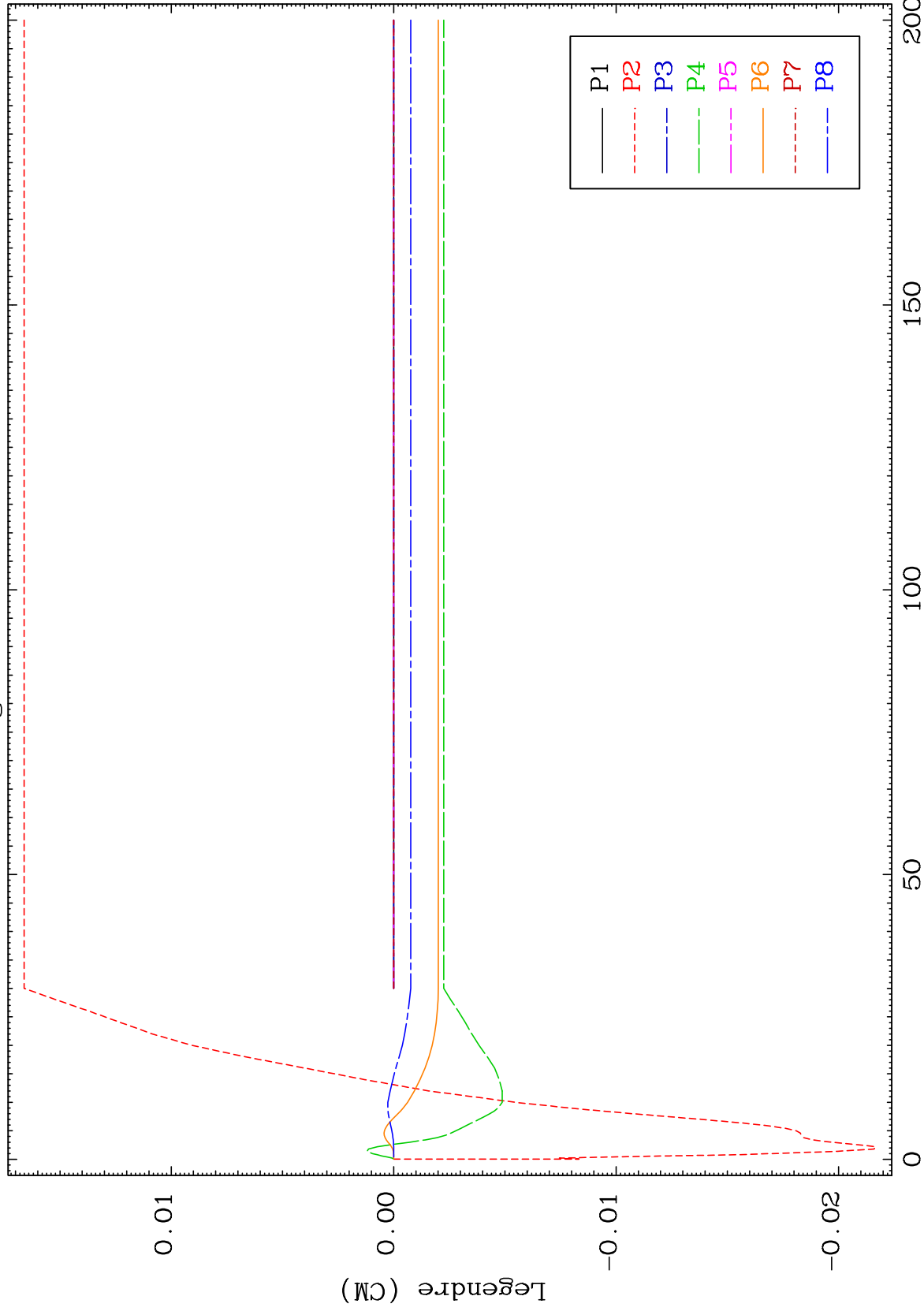
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



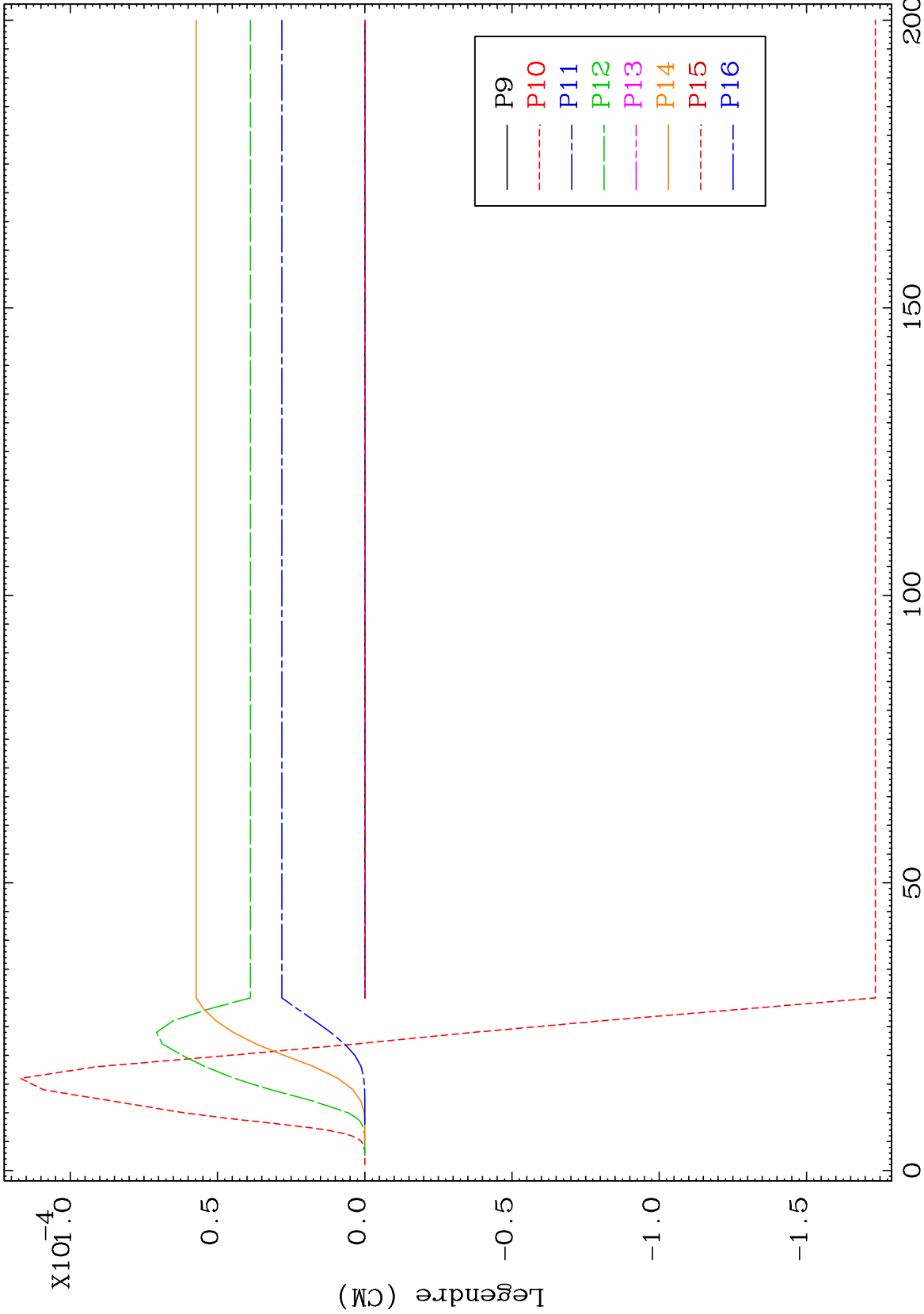
51-Sb-126

Incident Energy (MeV)

MAT 5140

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

51-Sb-126



21

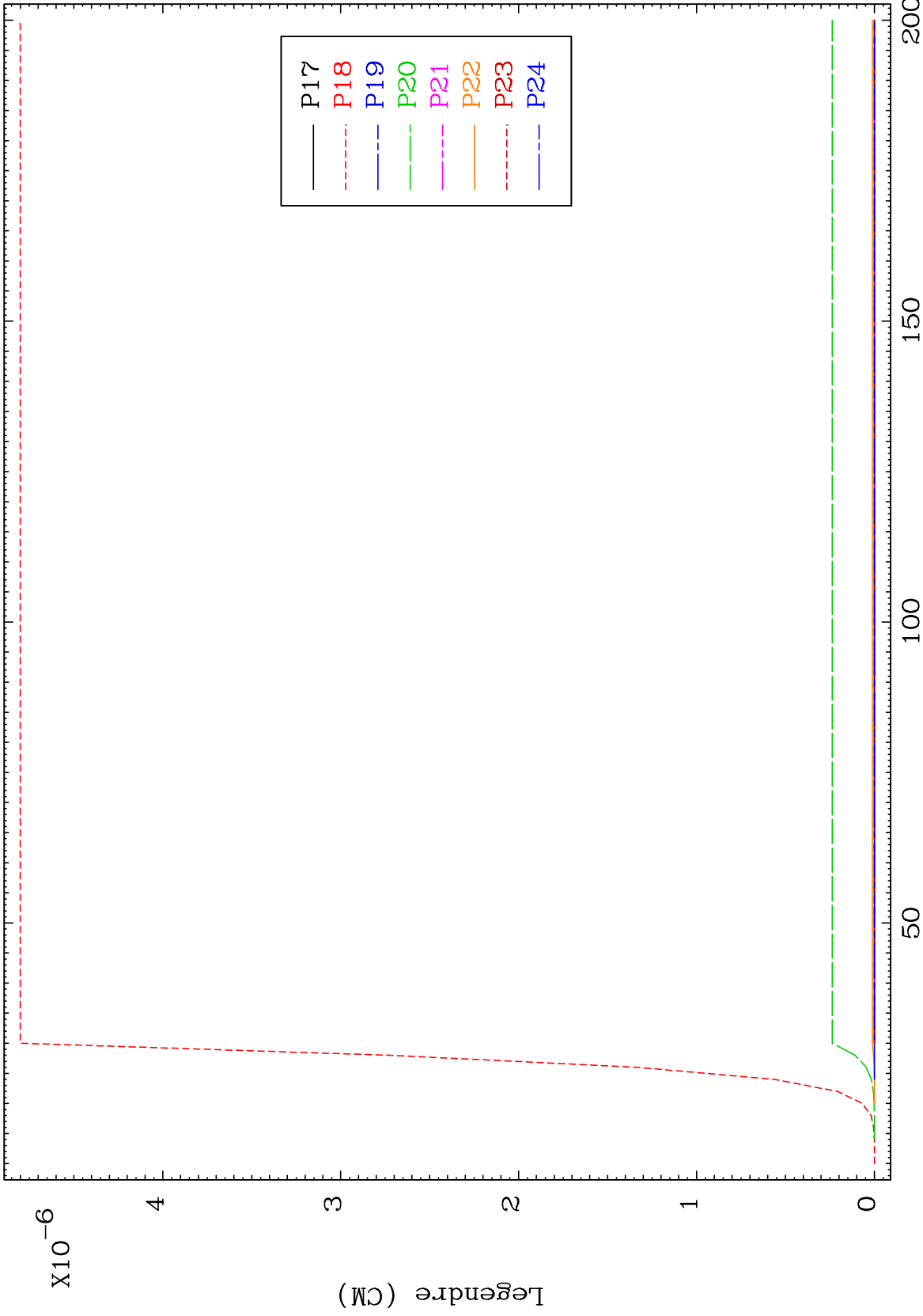
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



22

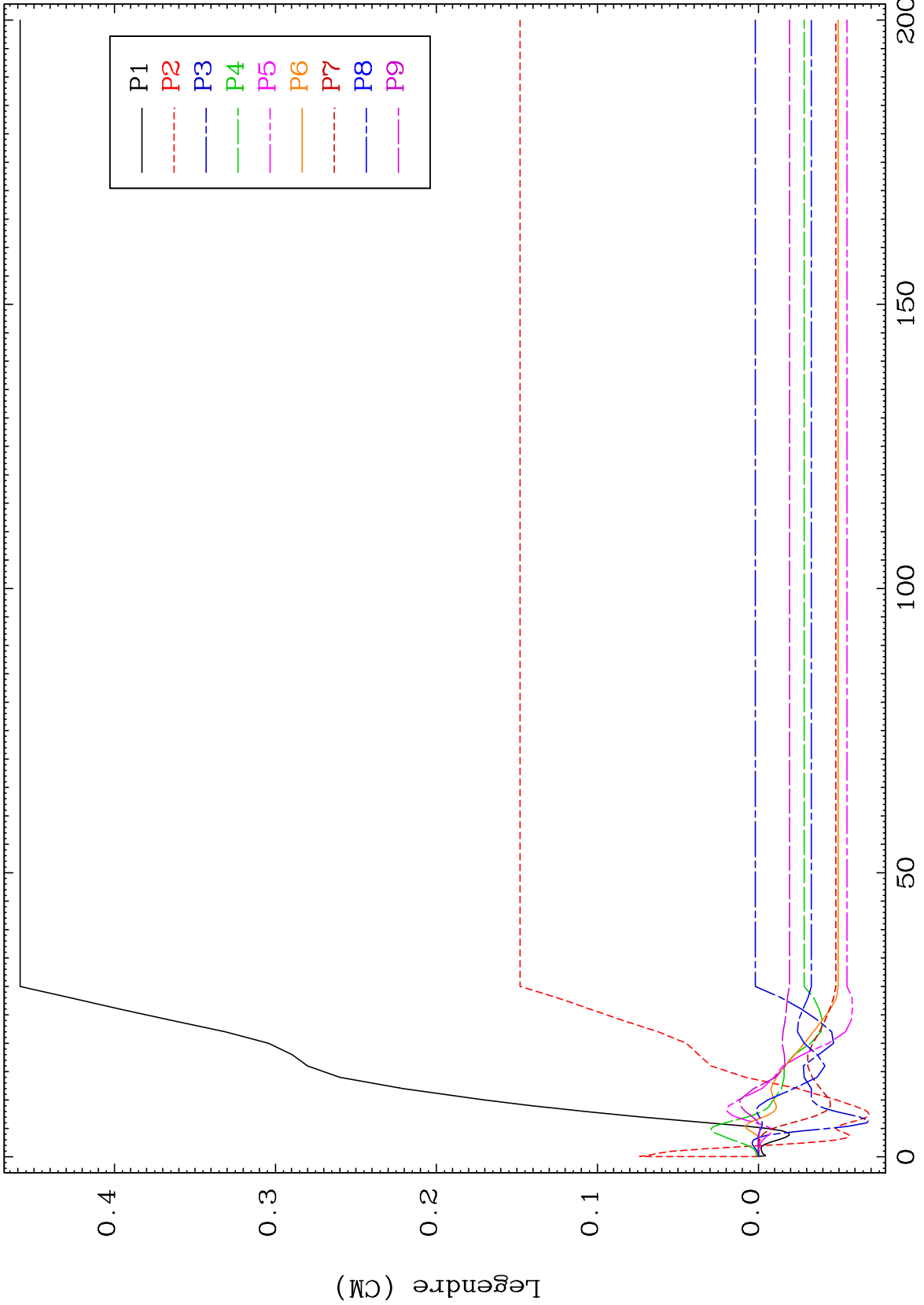
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



23

Incident Energy (MeV)

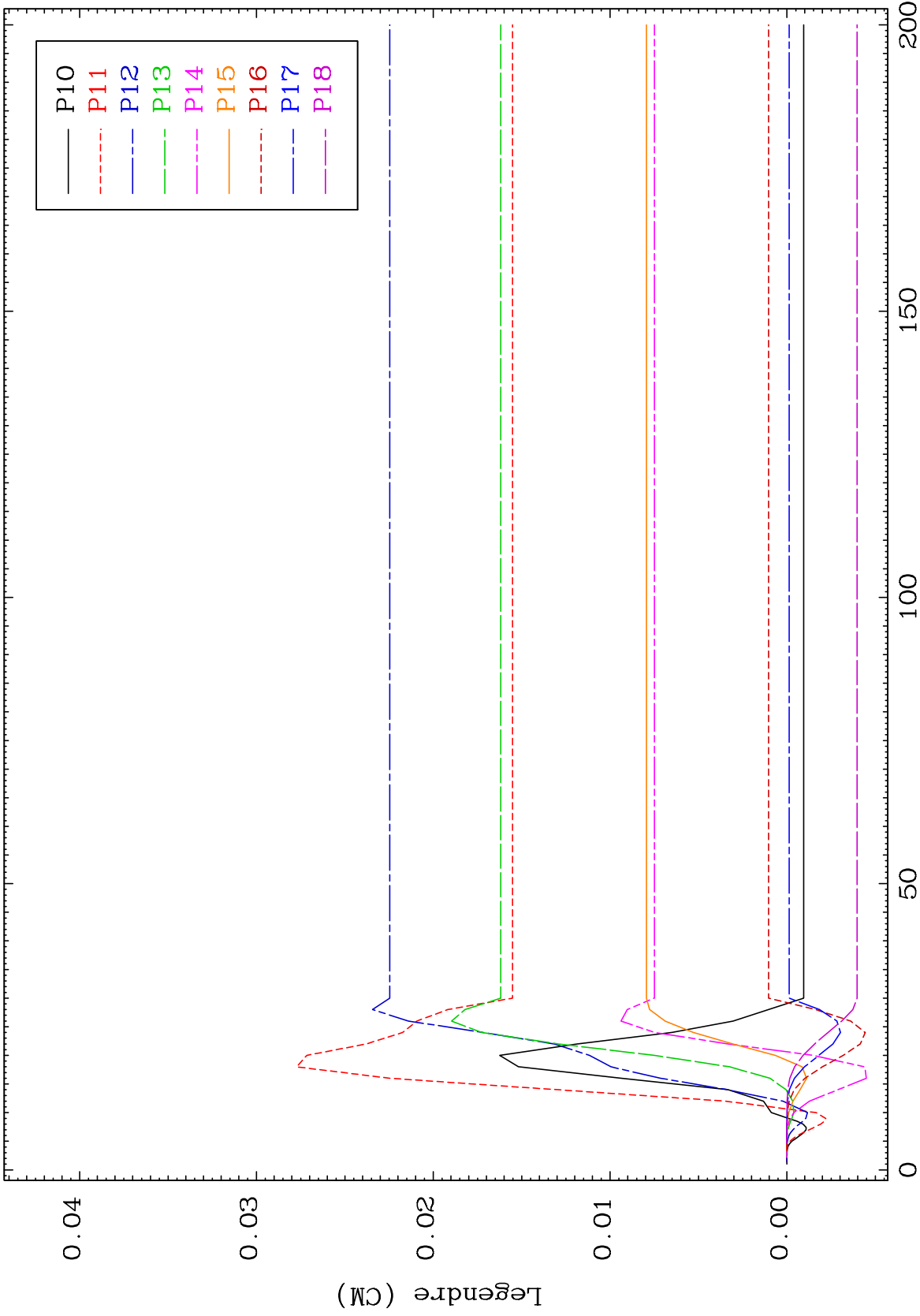
51-Sb-126



MAT 5140

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

51-Sb-126



24

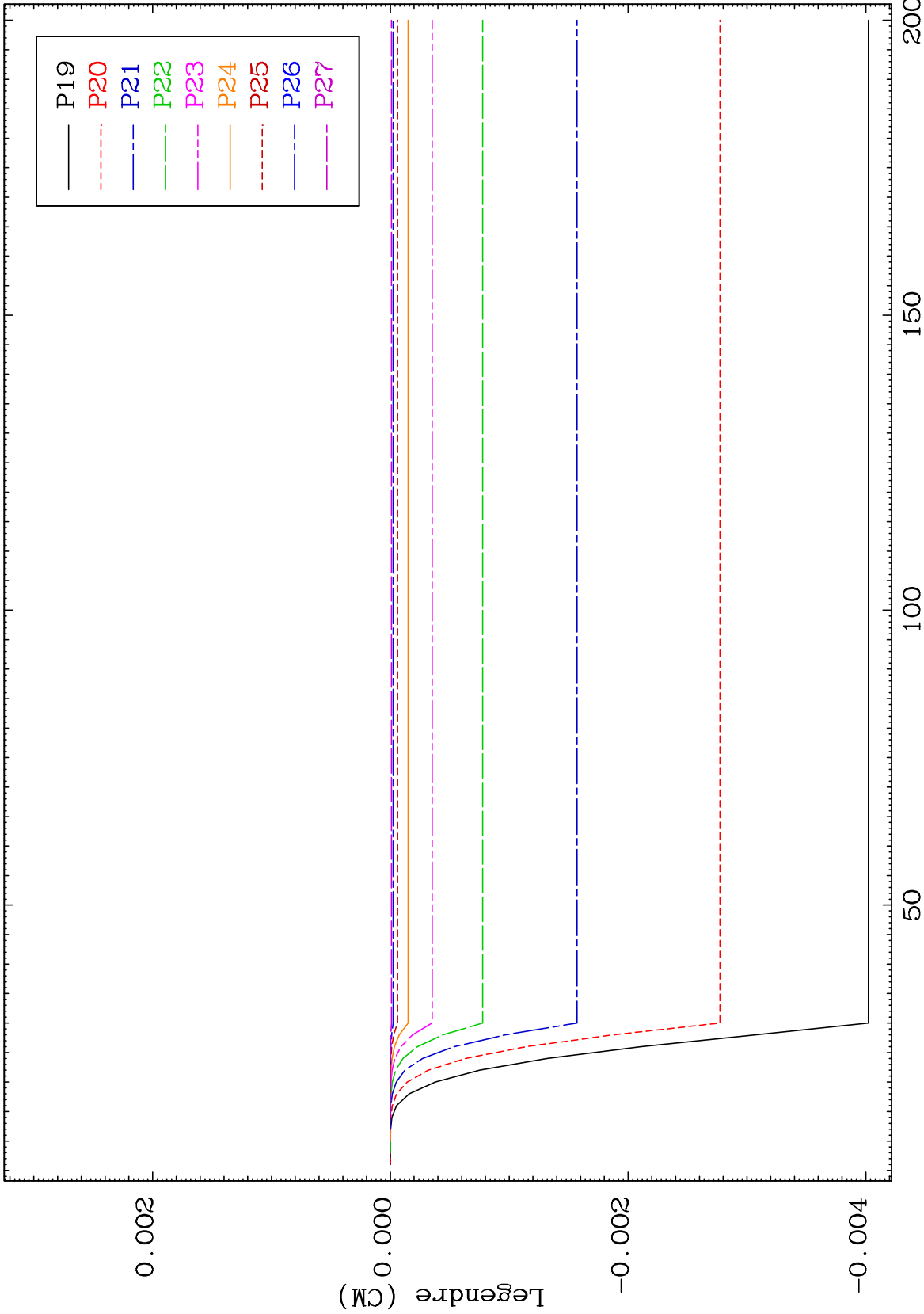
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



25

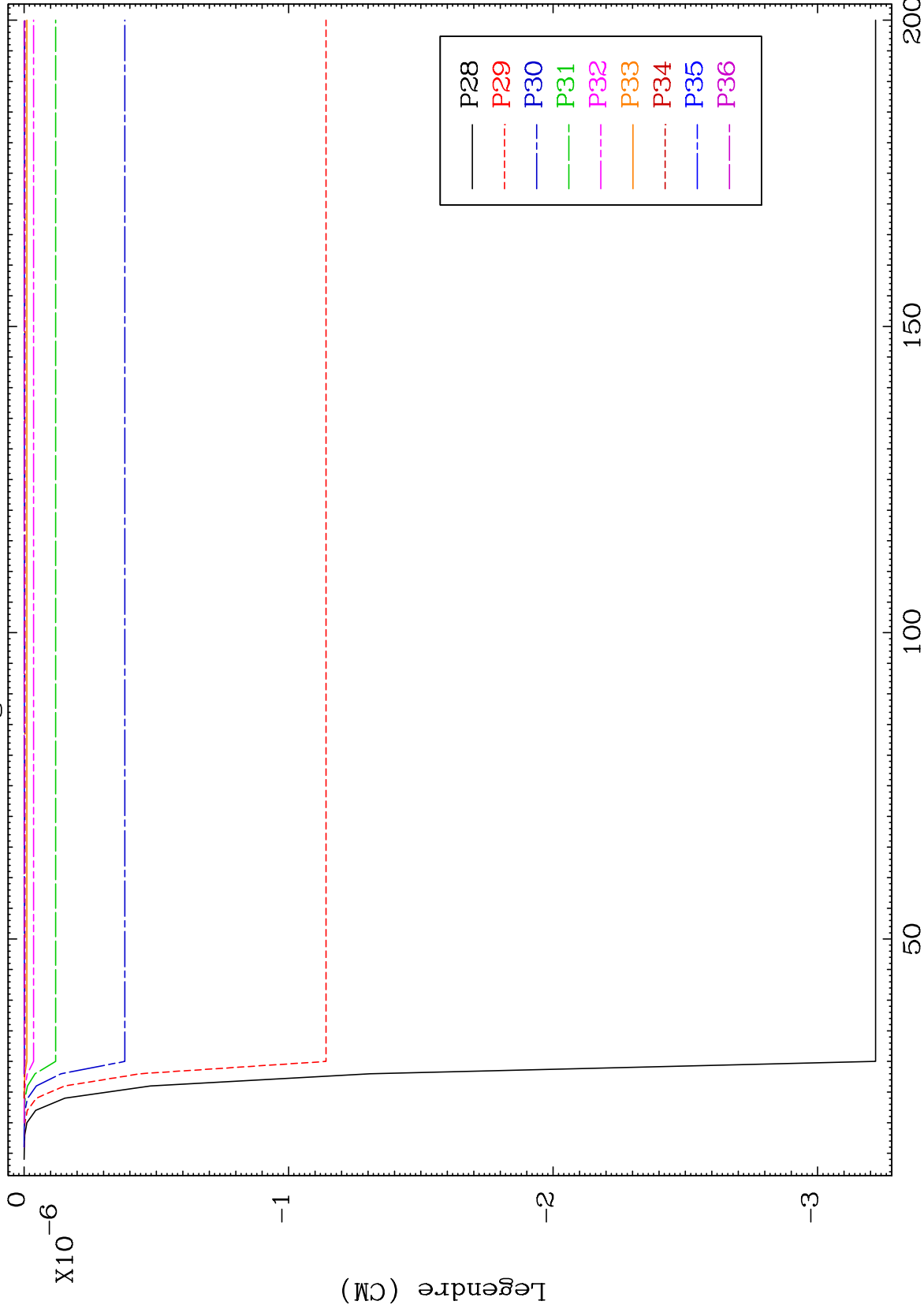
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



51-Sb-126

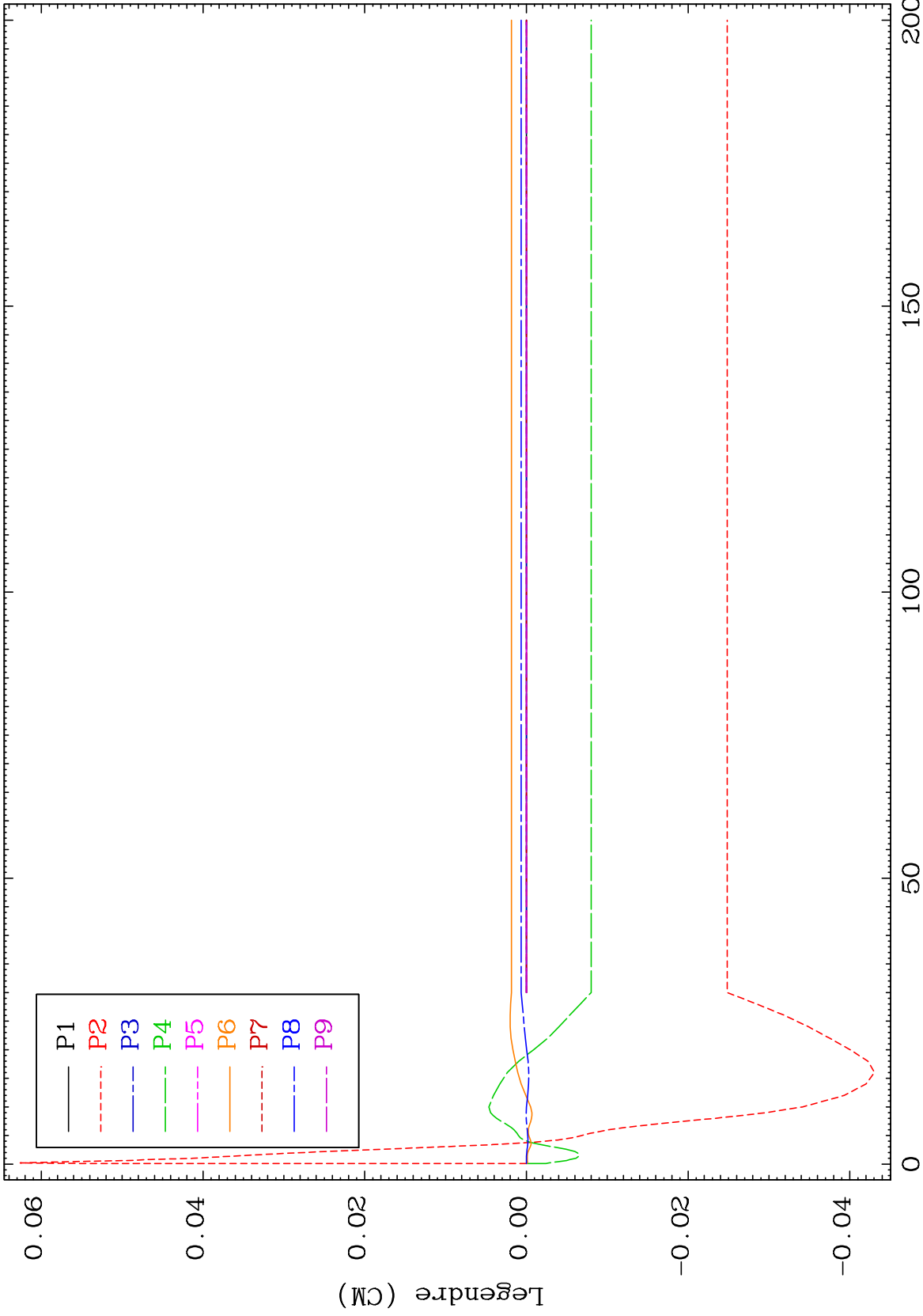
Incident Energy (MeV)

26

MAT 5140

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

51-Sb-126



27

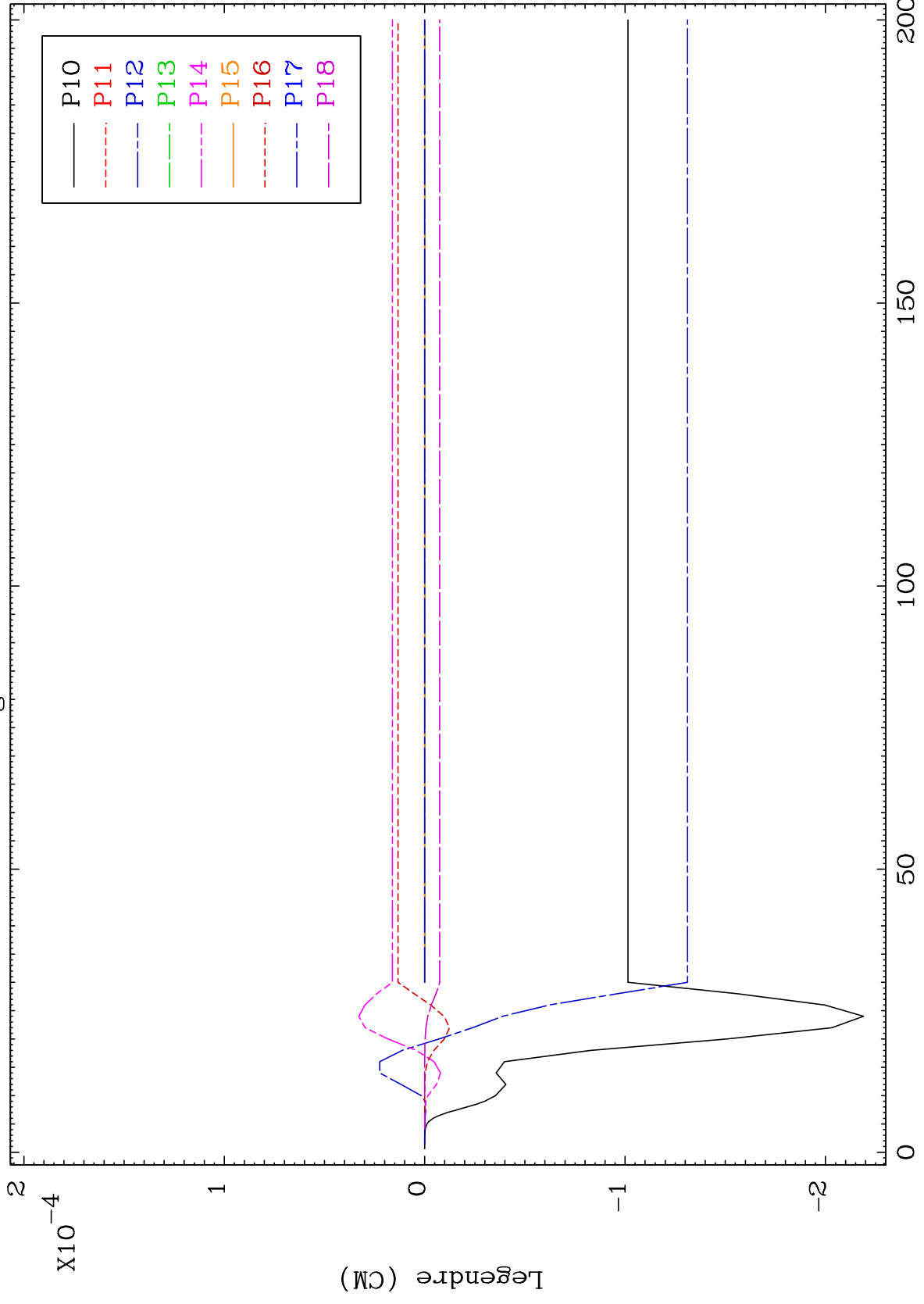
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



28

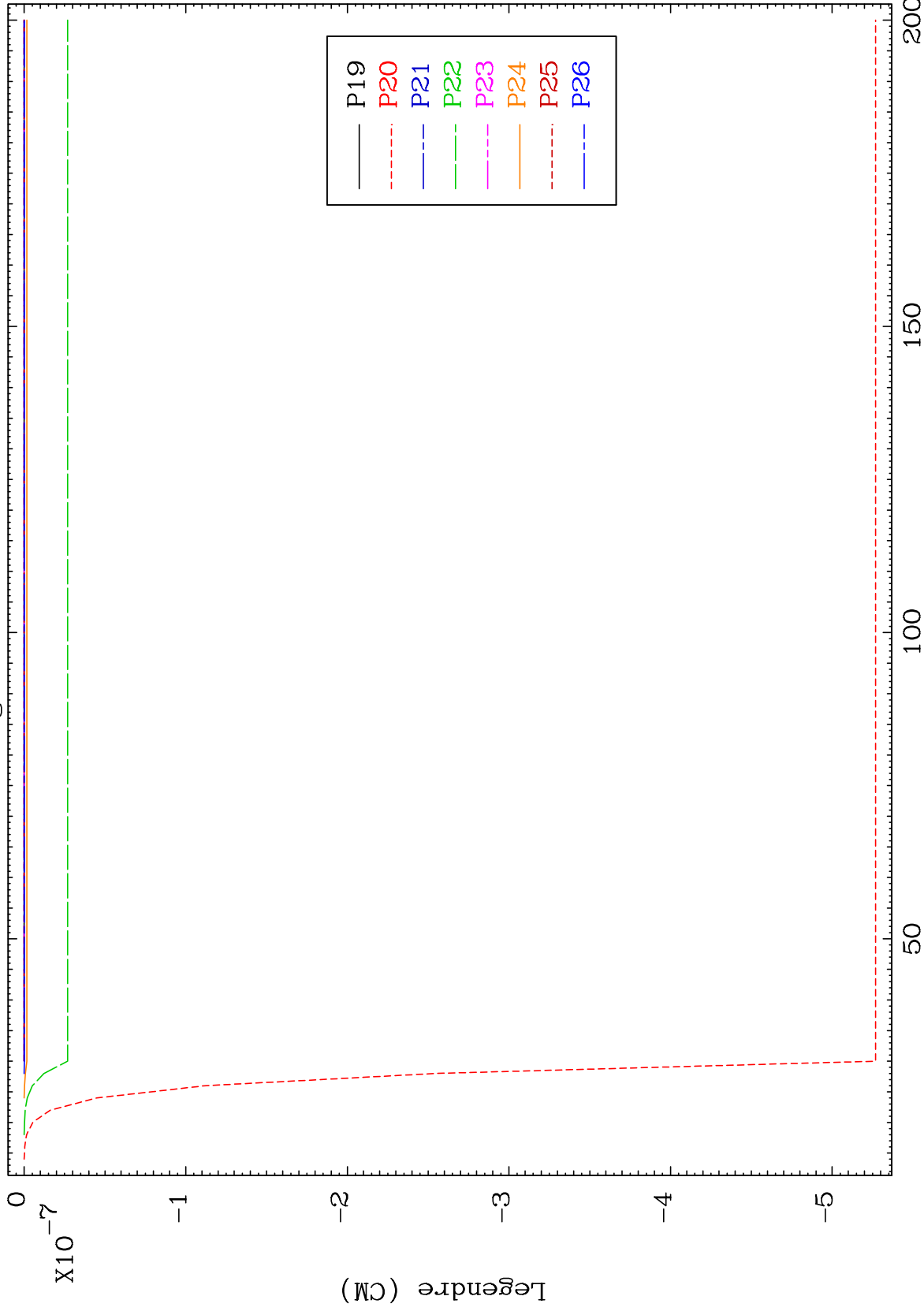
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



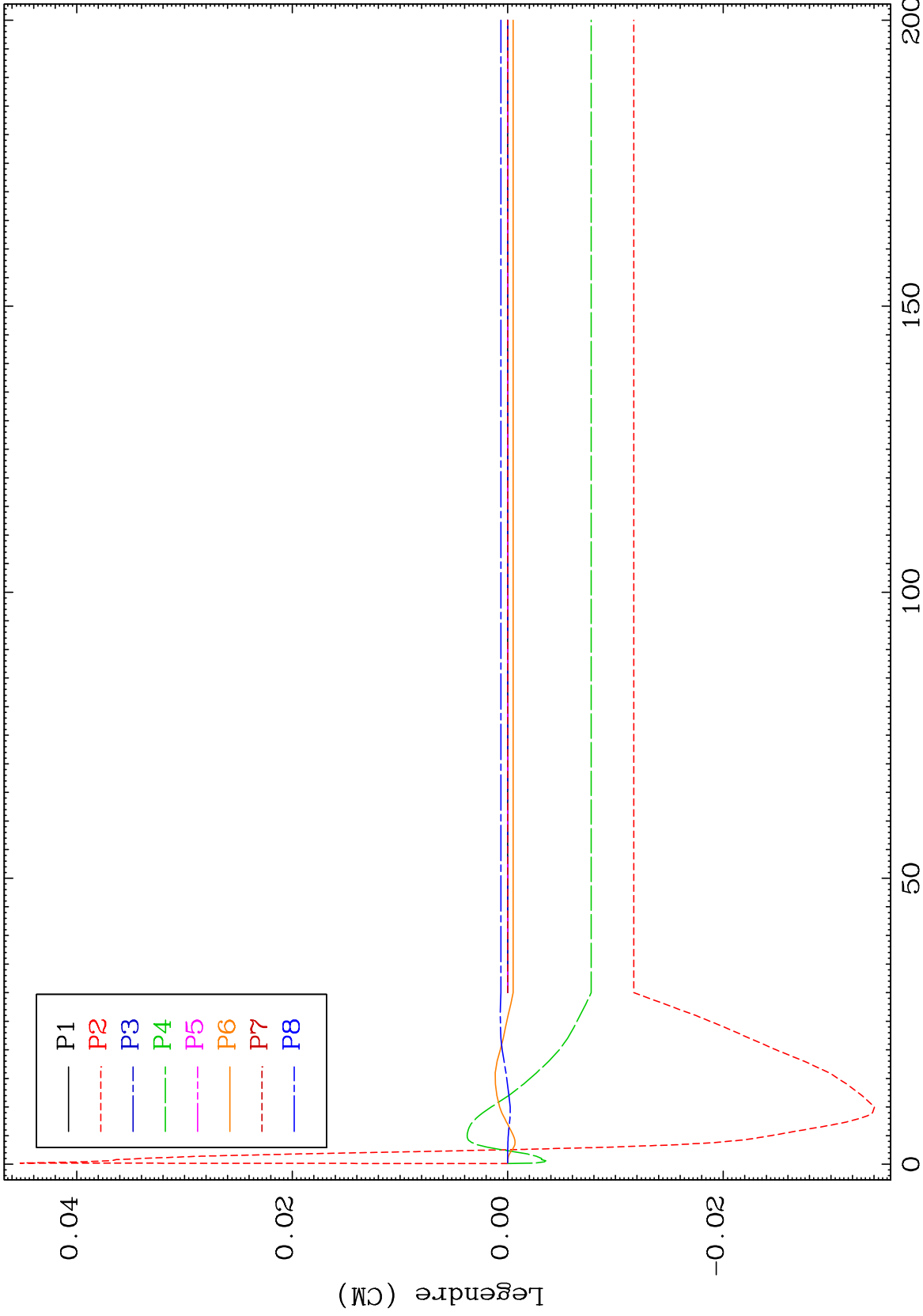
29

51-Sb-126

MAT 5140

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

51-Sb-126



51-Sb-126

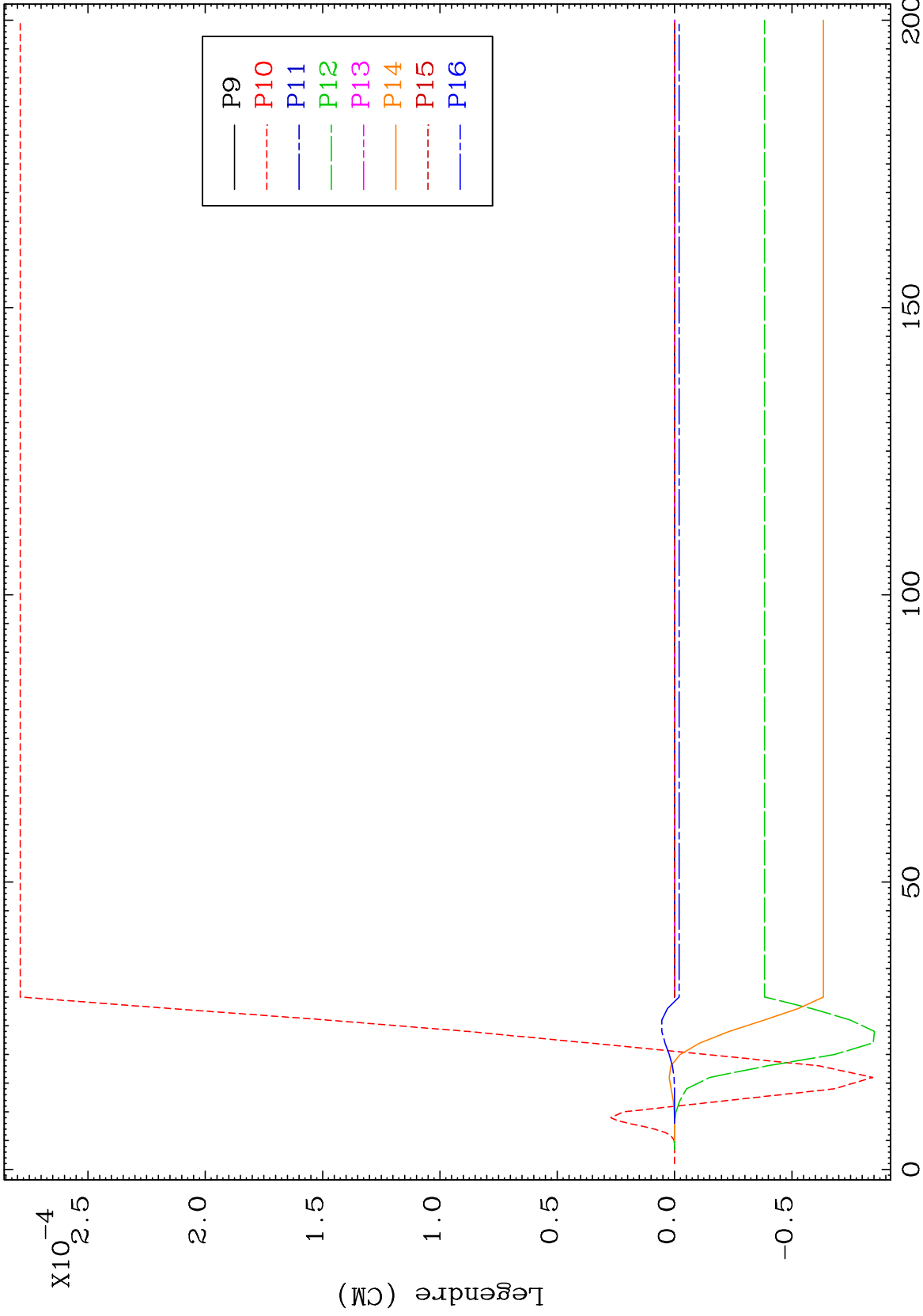
Incident Energy (MeV)

30

MAT 5140

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

51-Sb-126



31

Incident Energy (MeV)

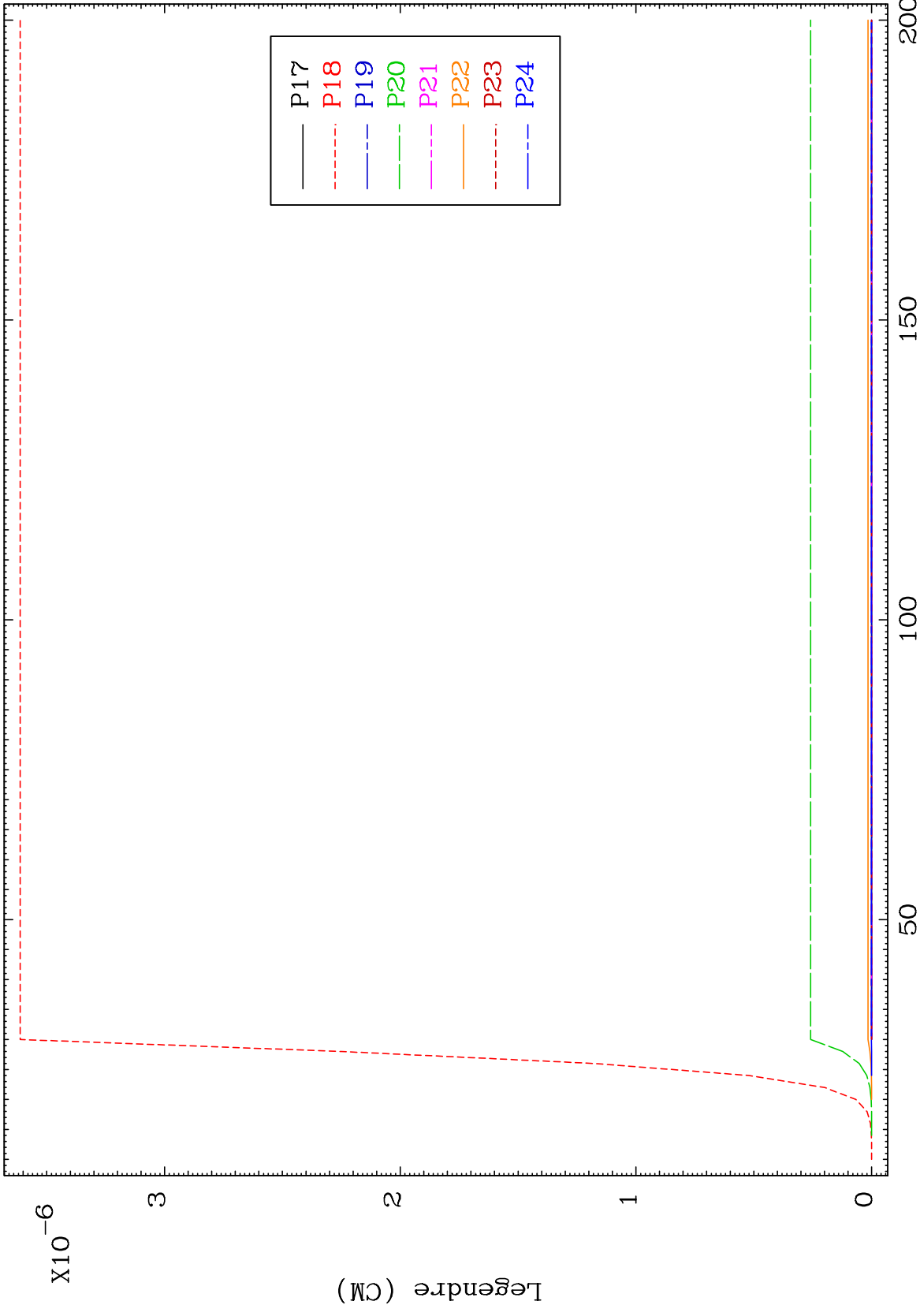
51-Sb-126



MAT 5140

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

51-Sb-126



51-Sb-126

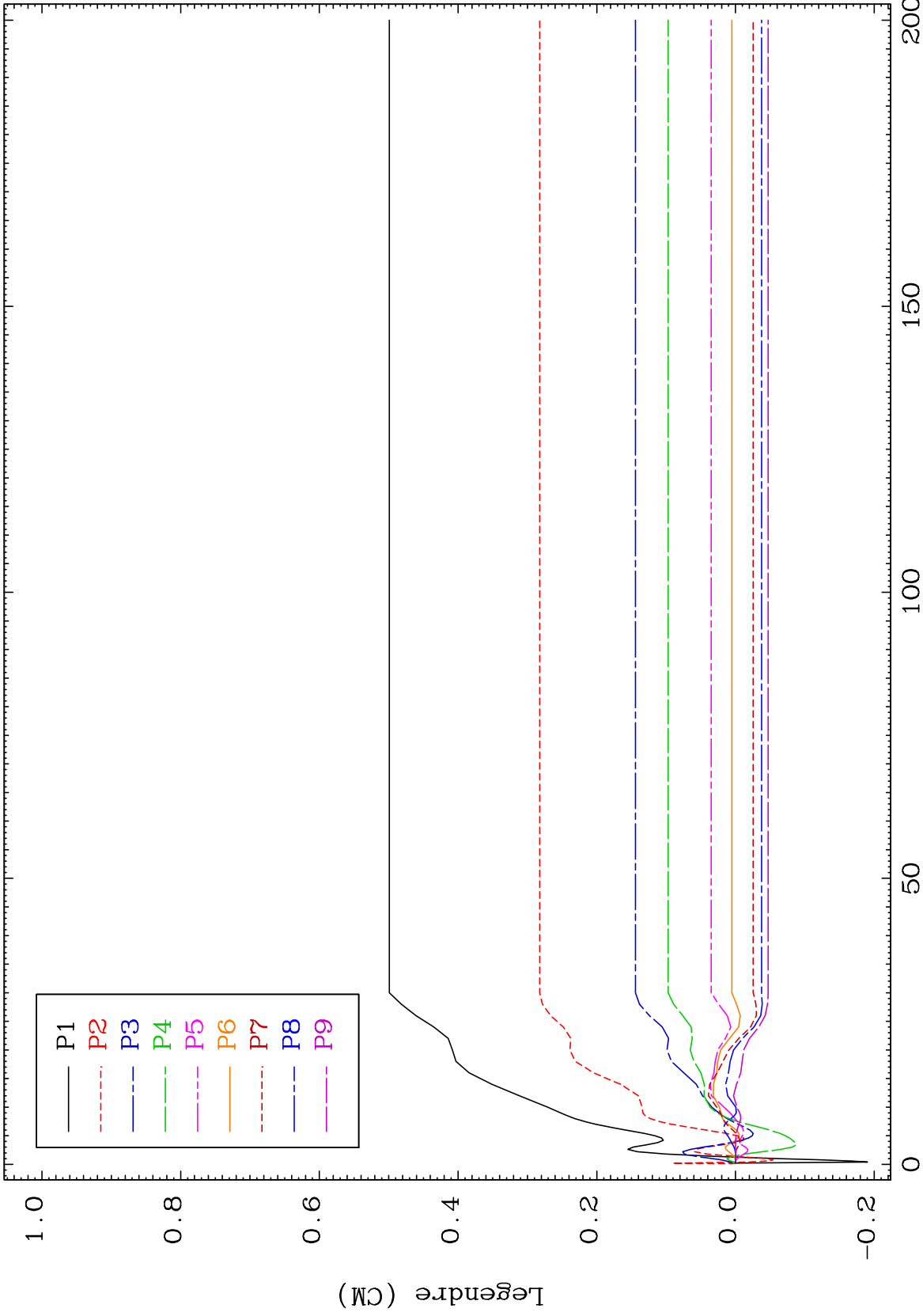
Incident Energy (MeV)

32

MAT 5140

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

51-Sb-126



33

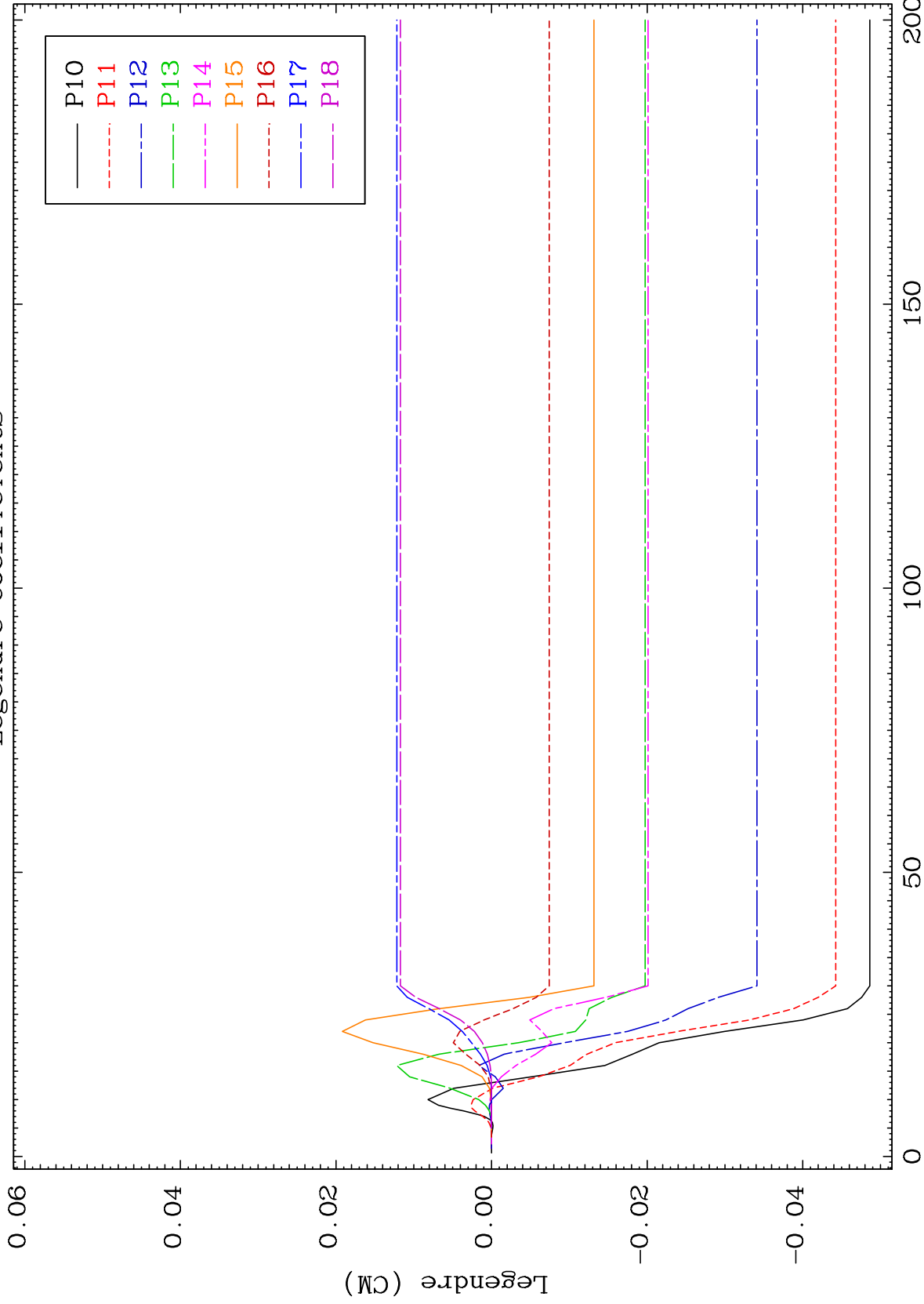
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



34

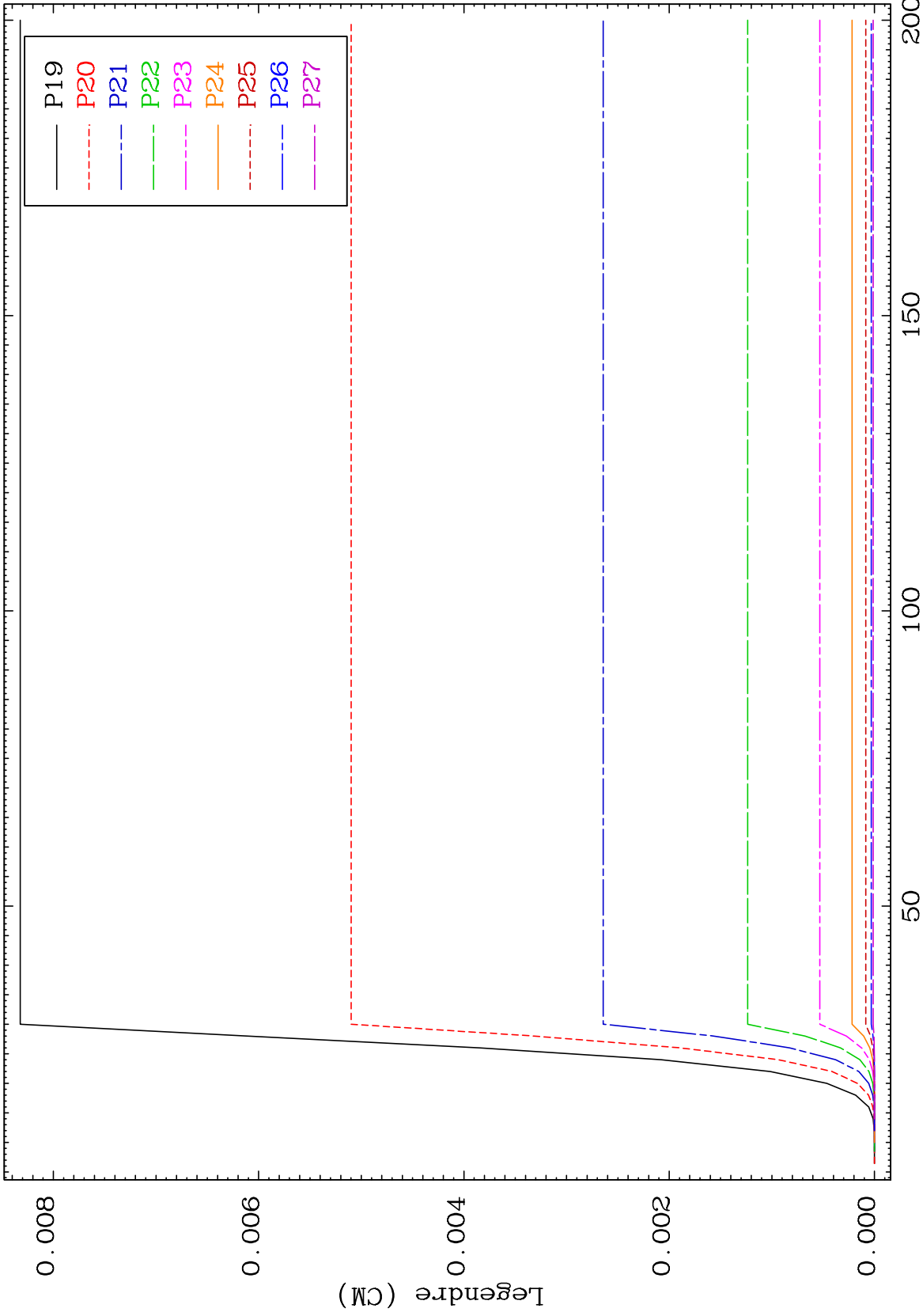
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



35

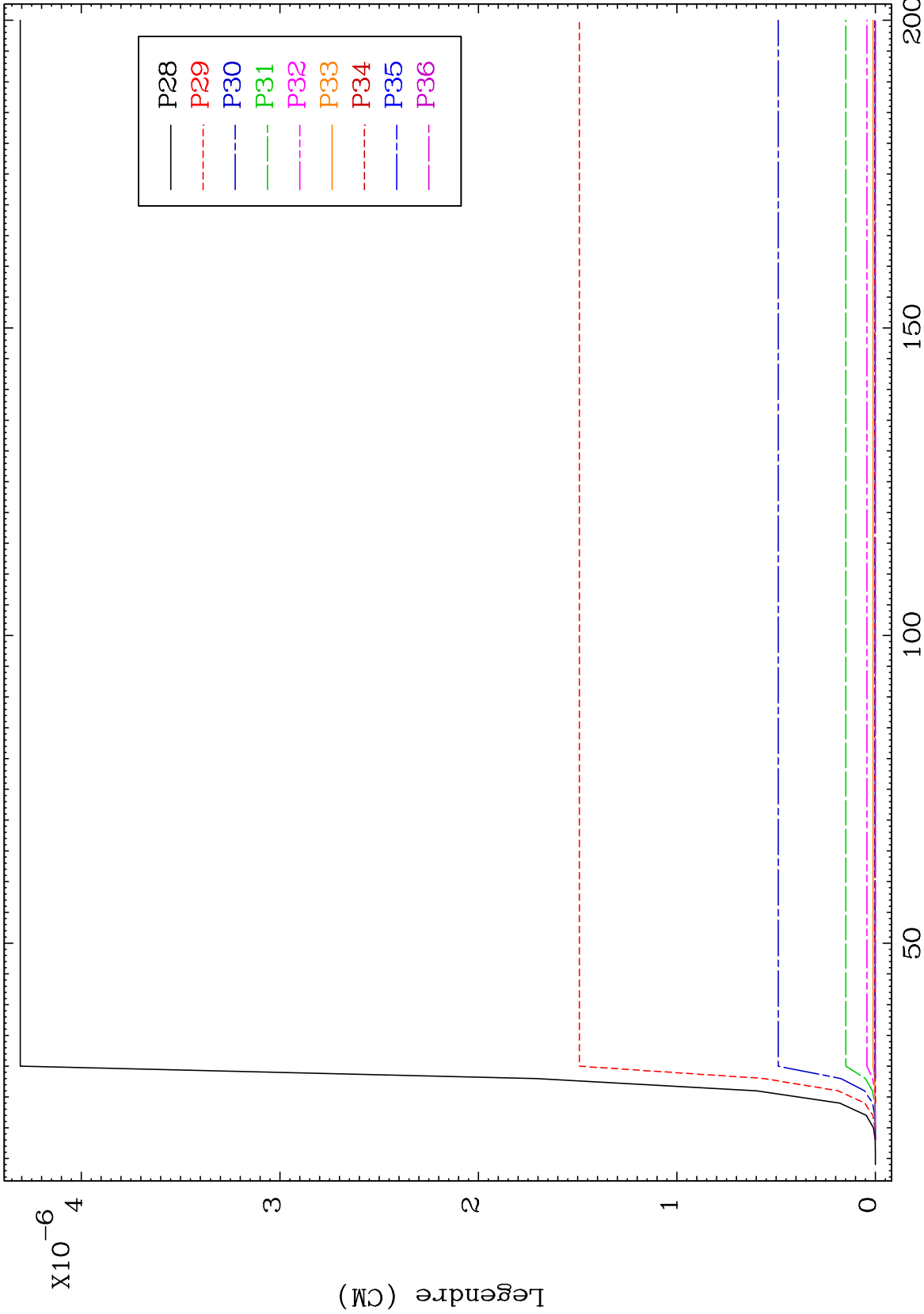
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



36

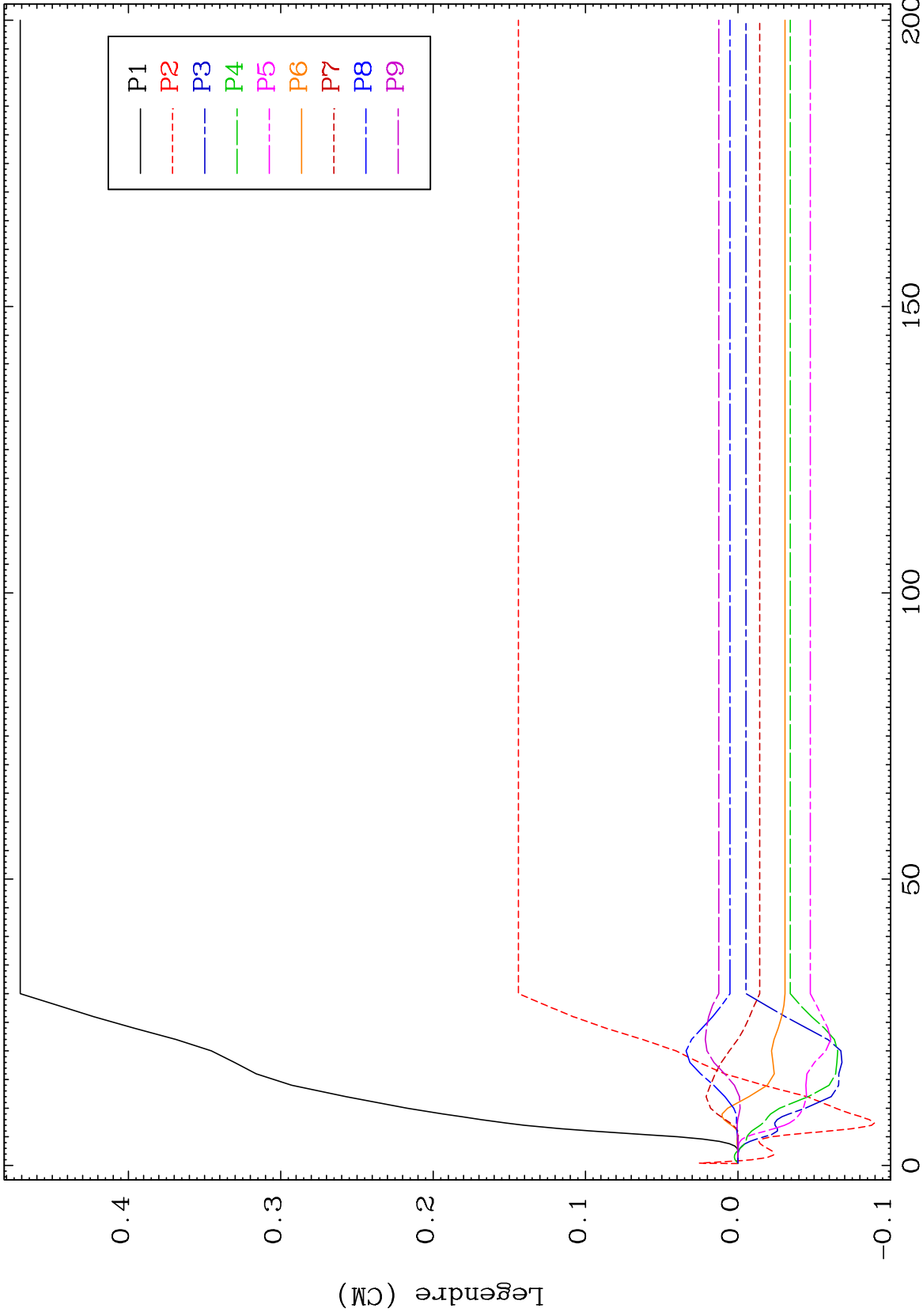
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



37

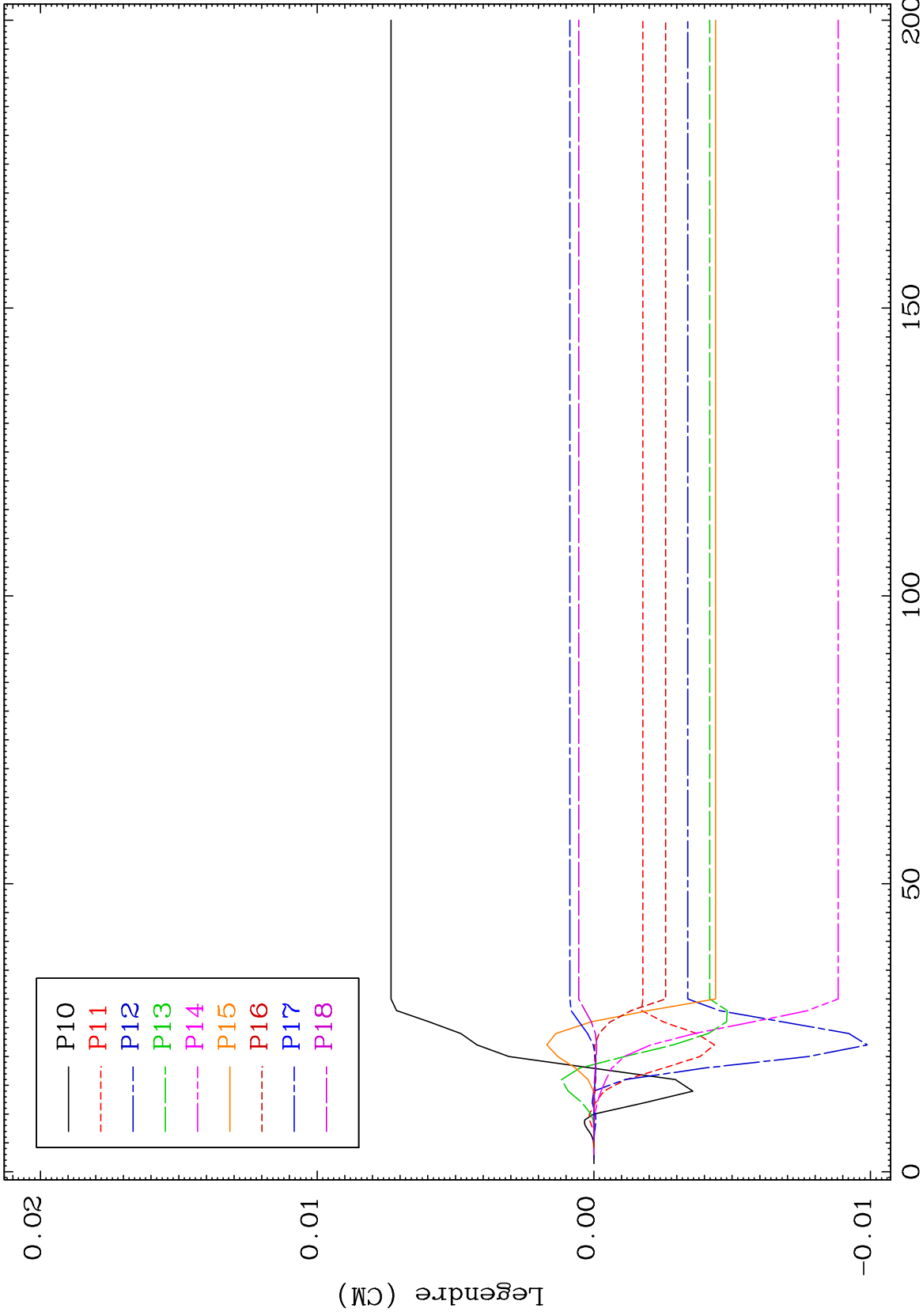
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



38

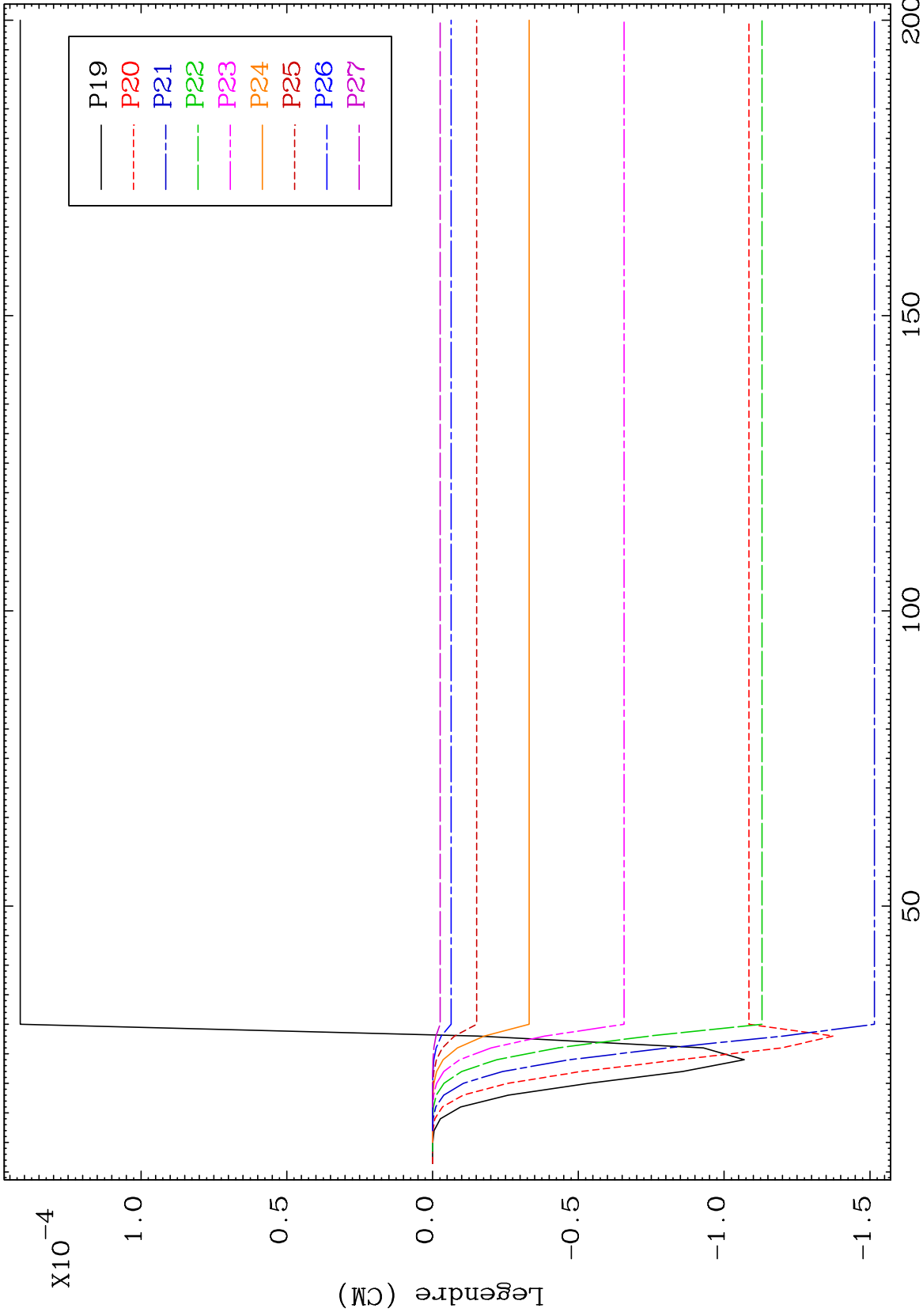
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



39

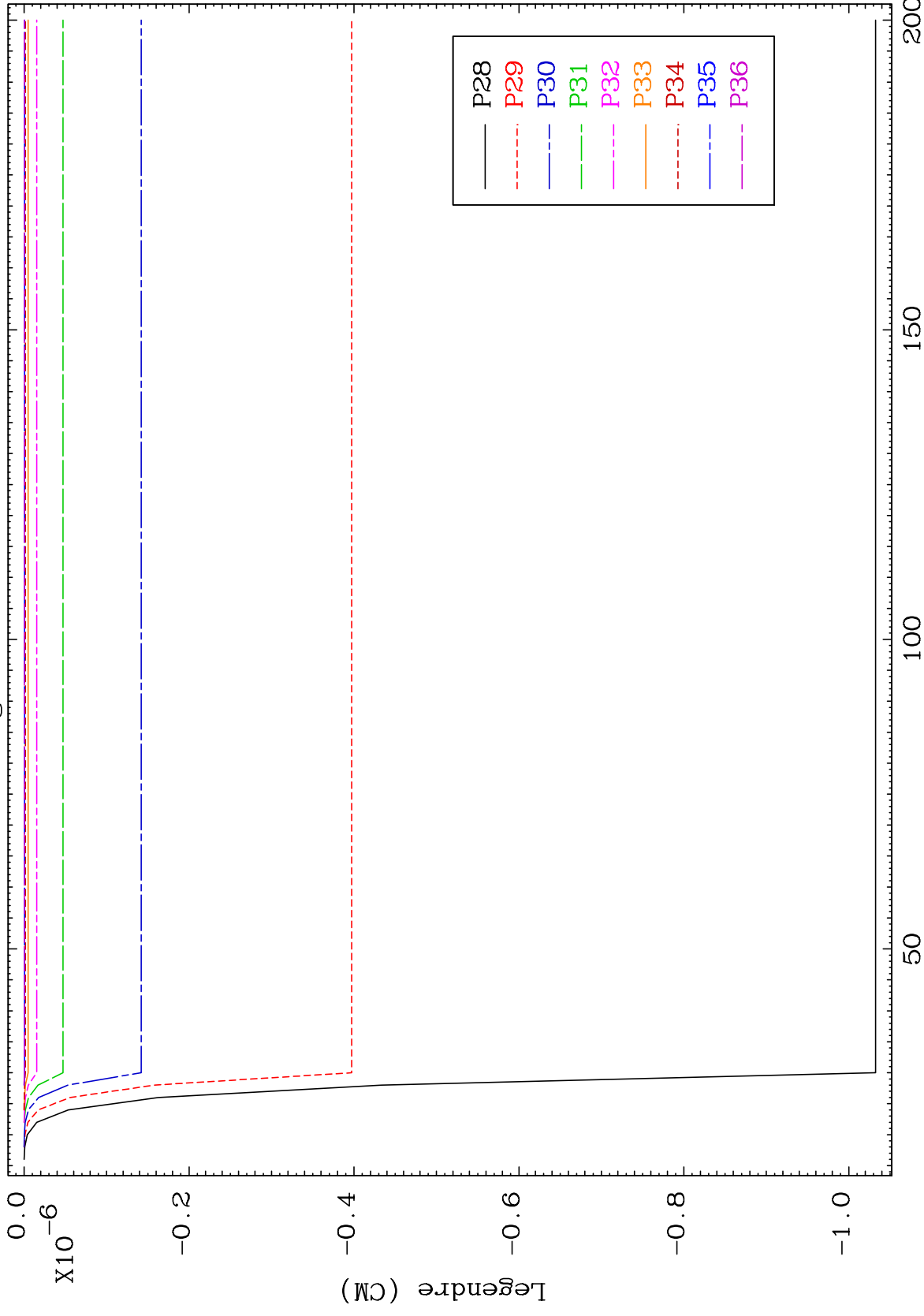
51-Sb-126



MAT 5140

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

51-Sb-126



51-Sb-126

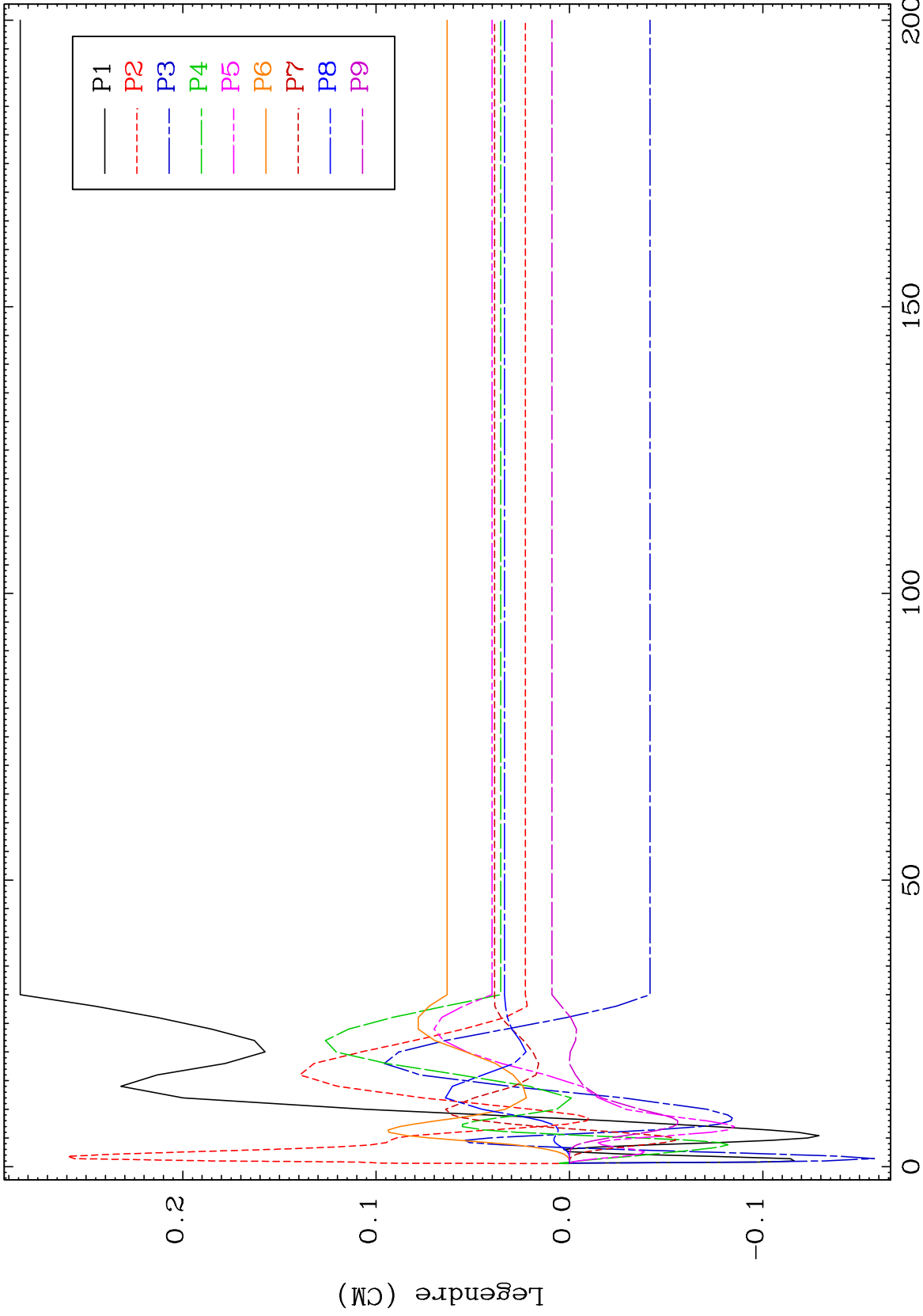
Incident Energy (MeV)

40

MAT 5140

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

51-Sb-126



41

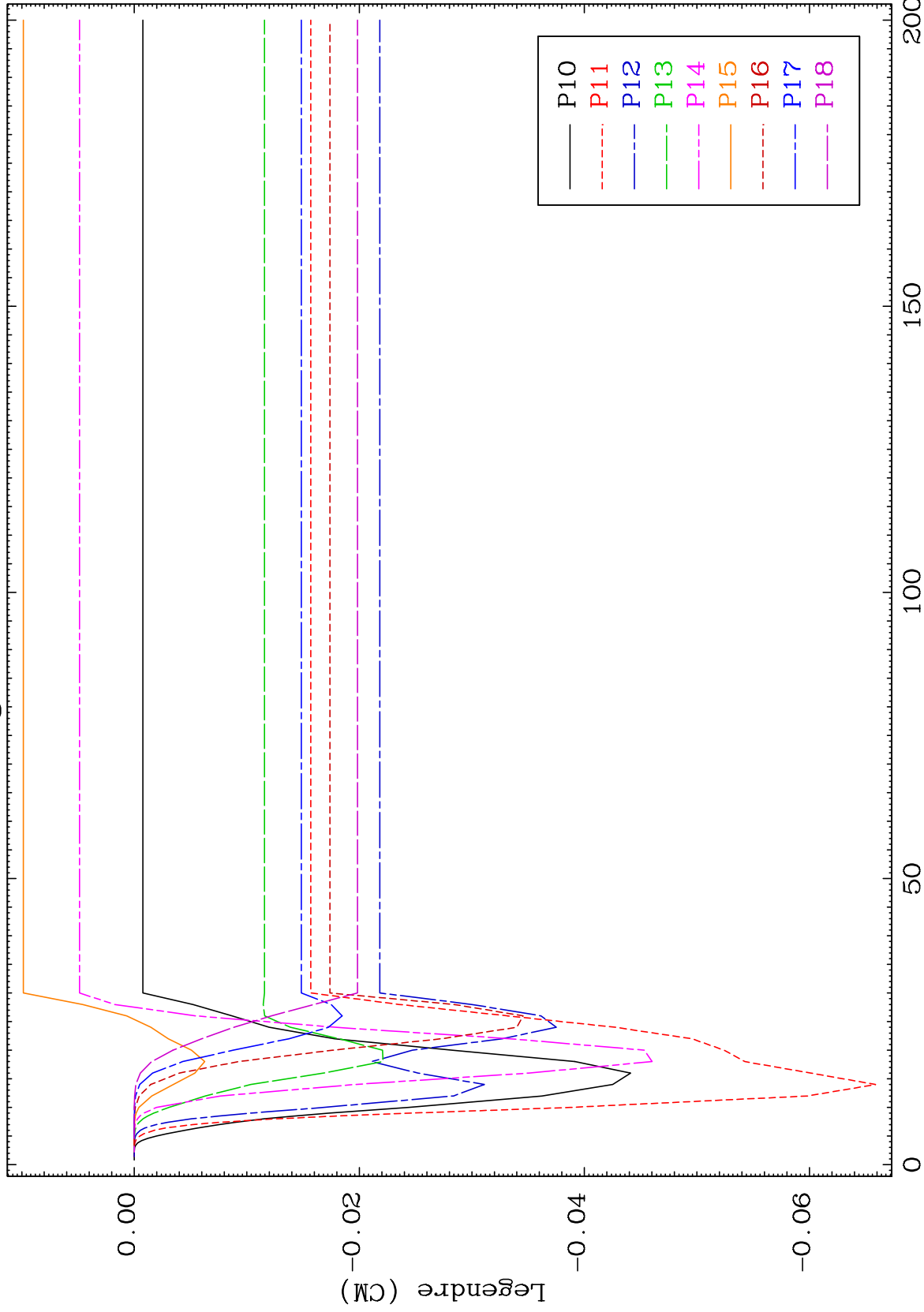
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



42

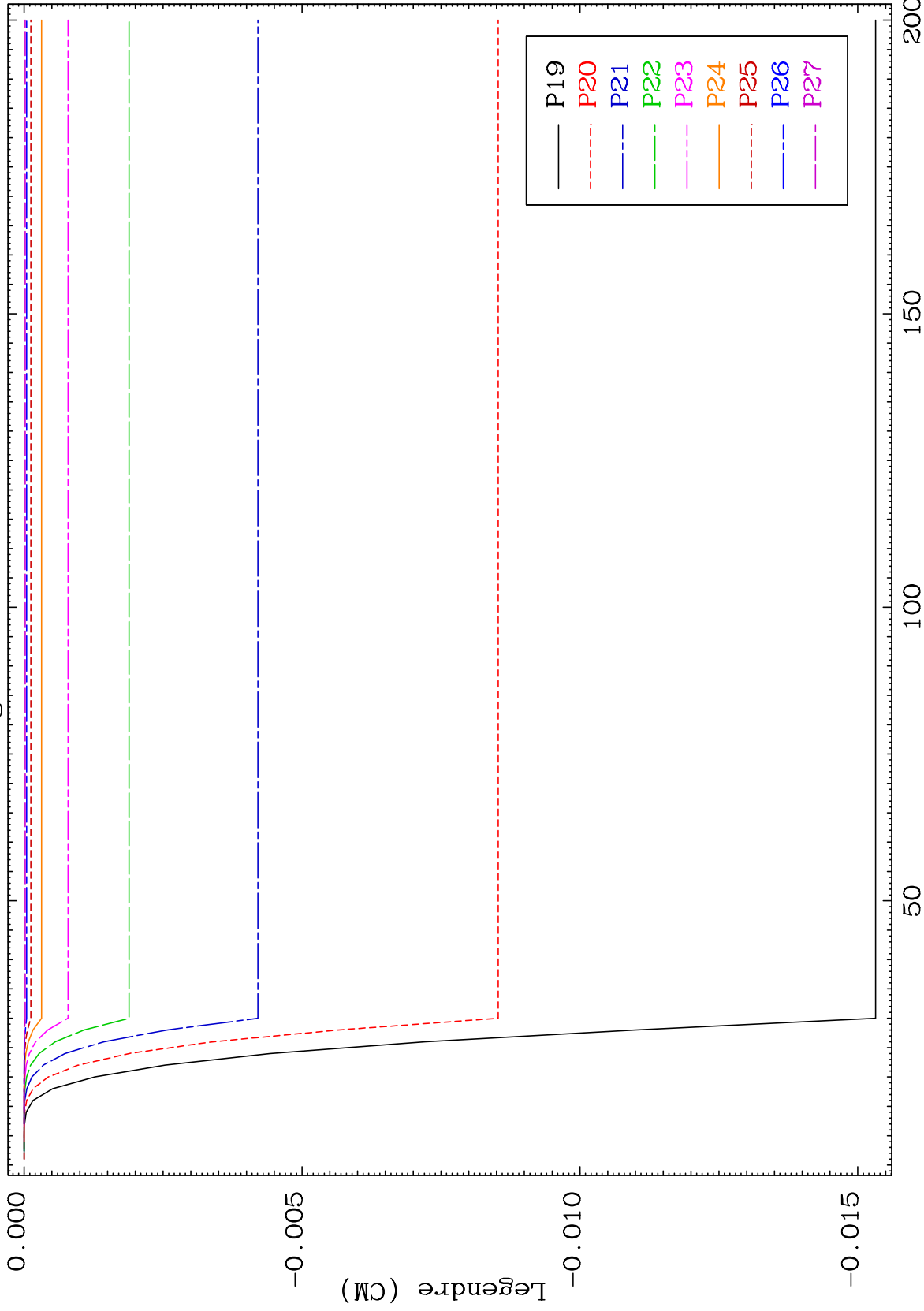
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



43

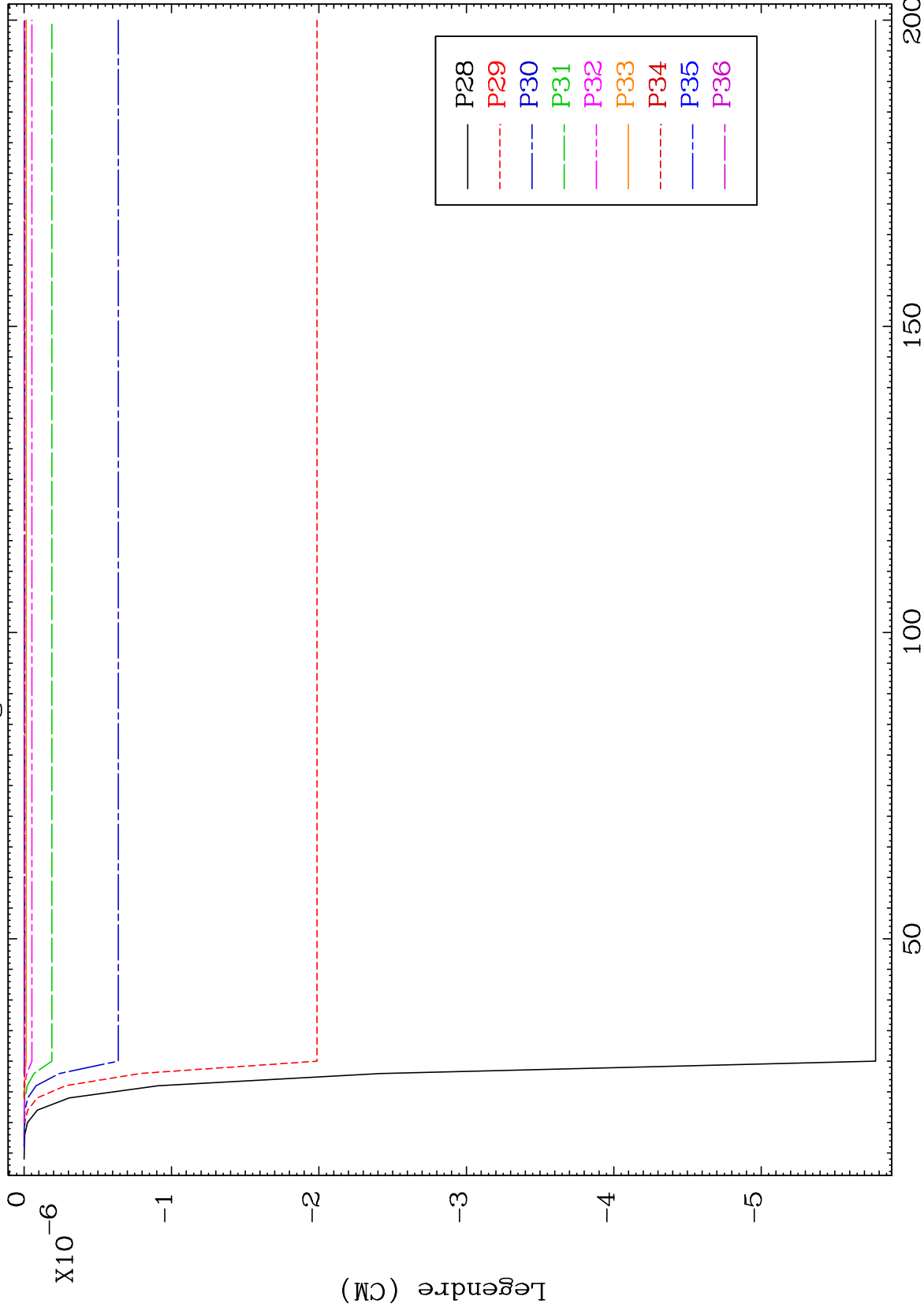
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



44

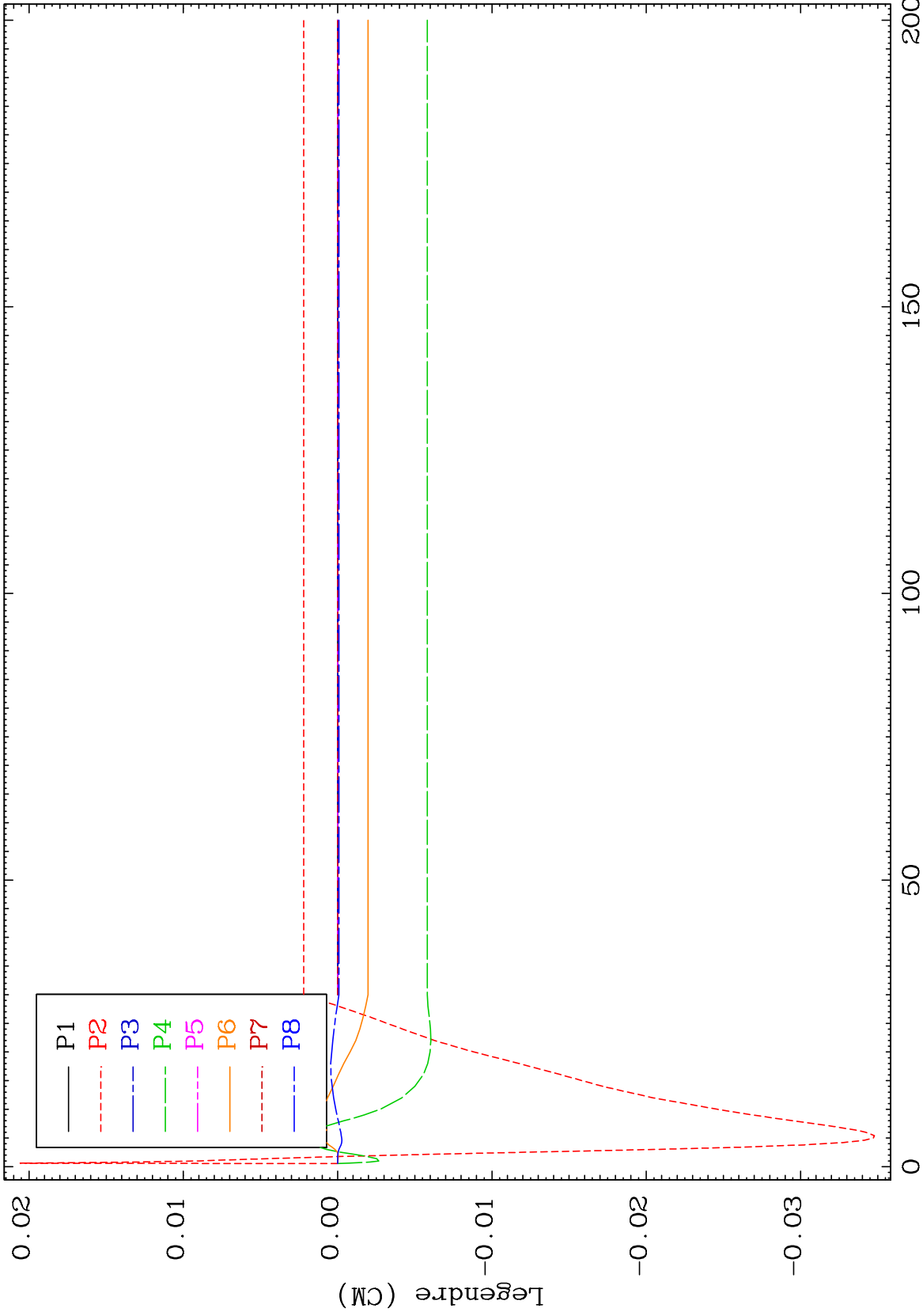
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



45

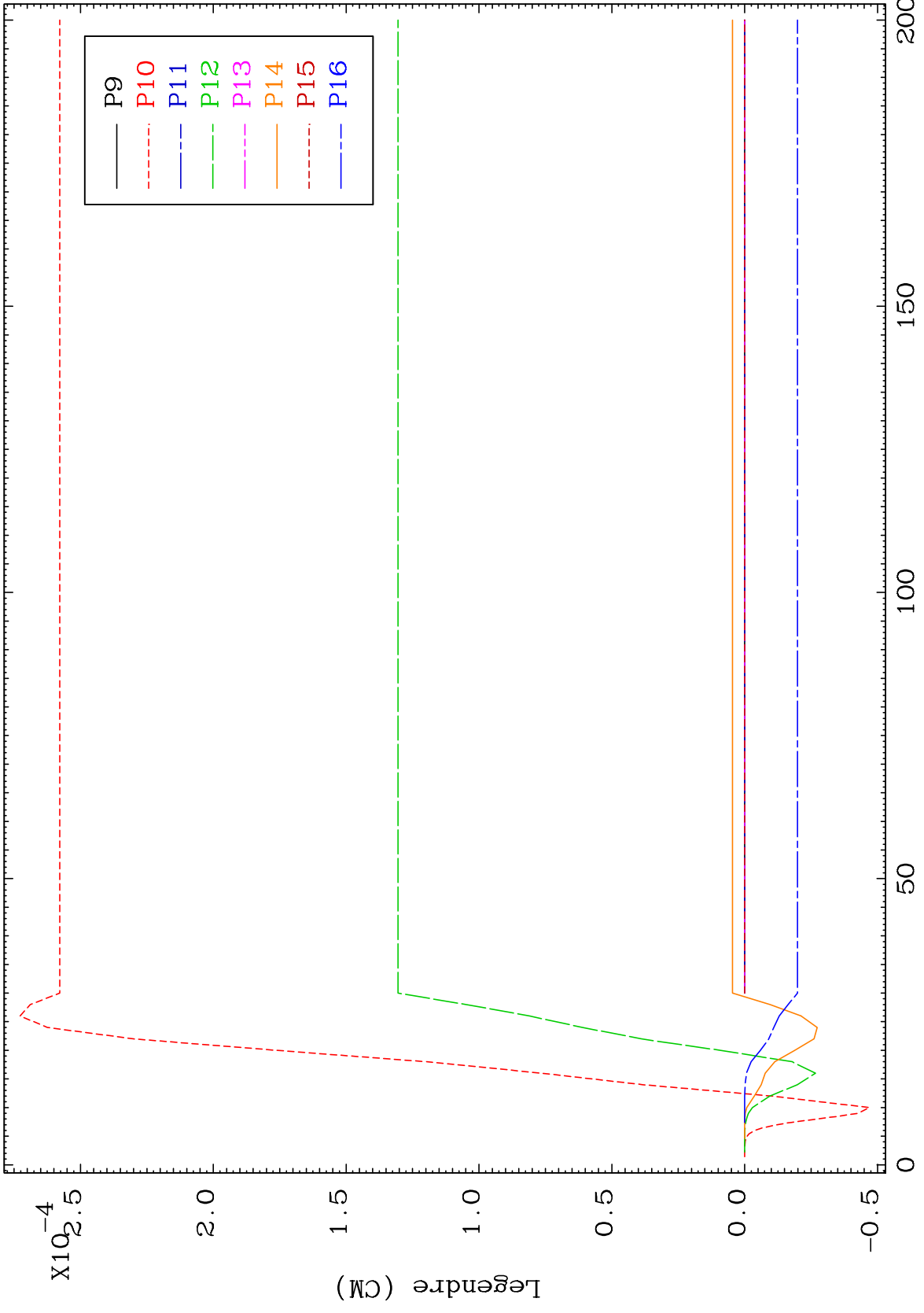
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126

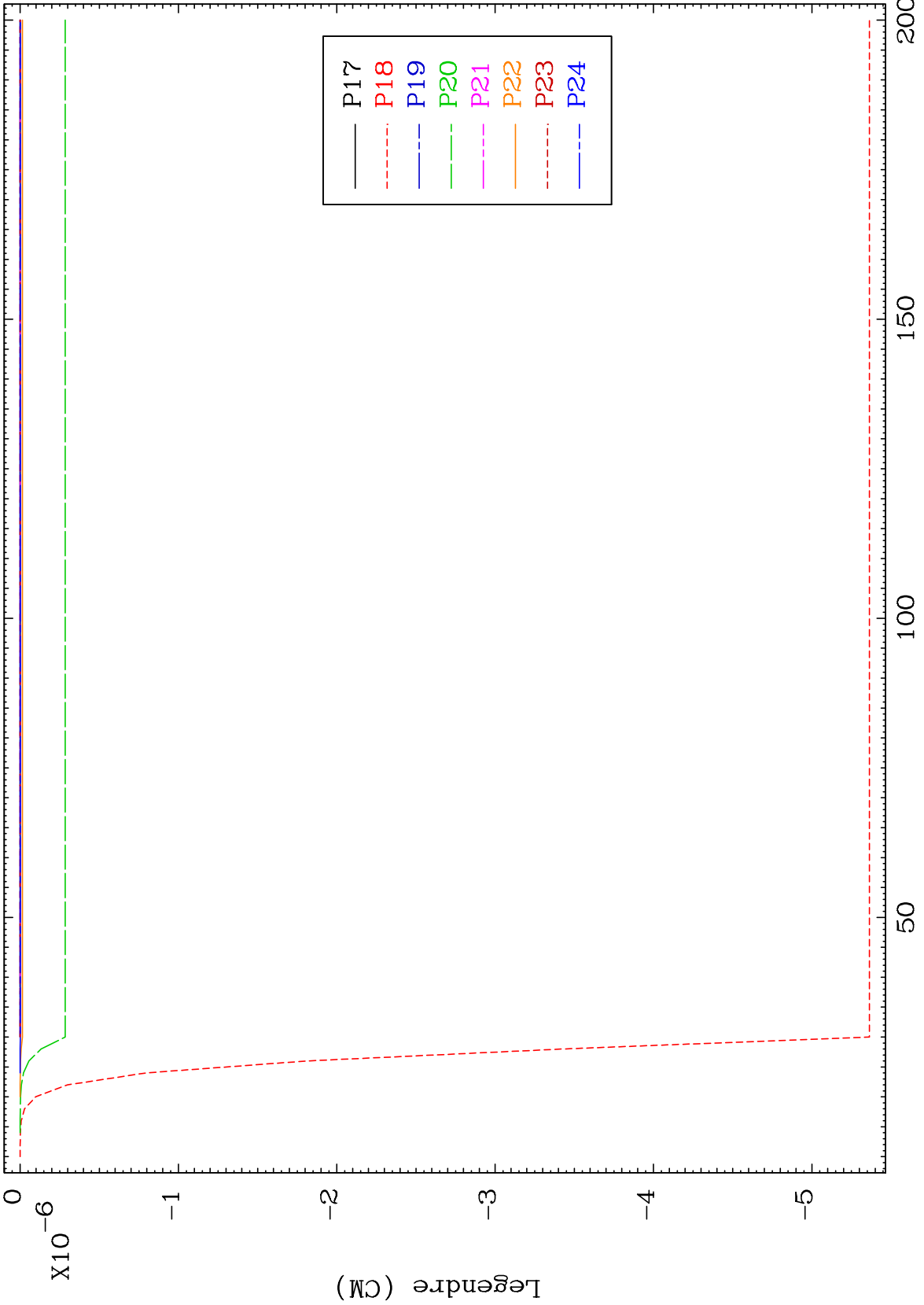


46

Incident Energy (MeV)

51-Sb-126

MAT 5140 MT= 58 (n,n') Level Legendre Coefficients 51-Sb-126



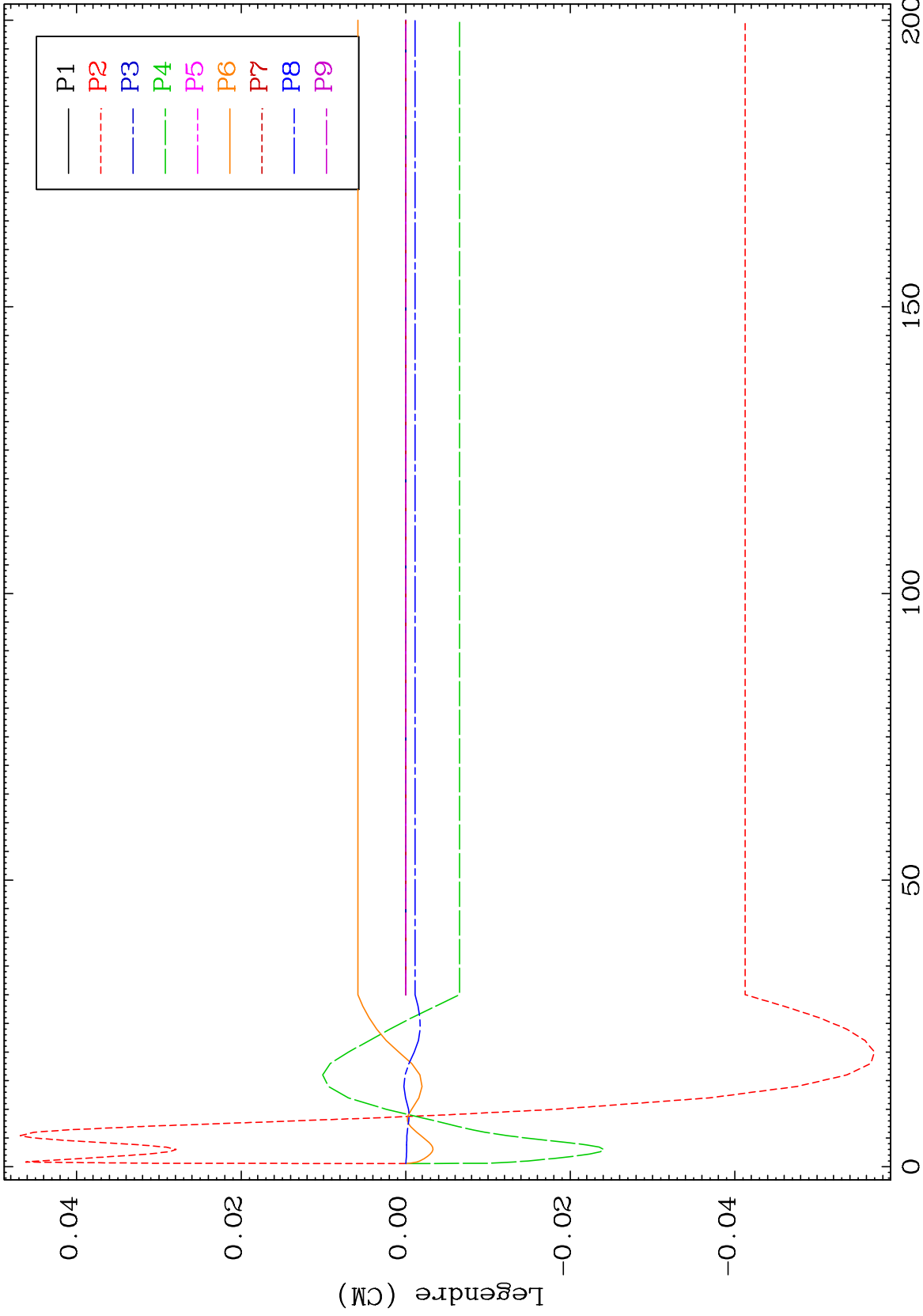
47 Incident Energy (MeV) 51-Sb-126



MAT 5140

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

51-Sb-126



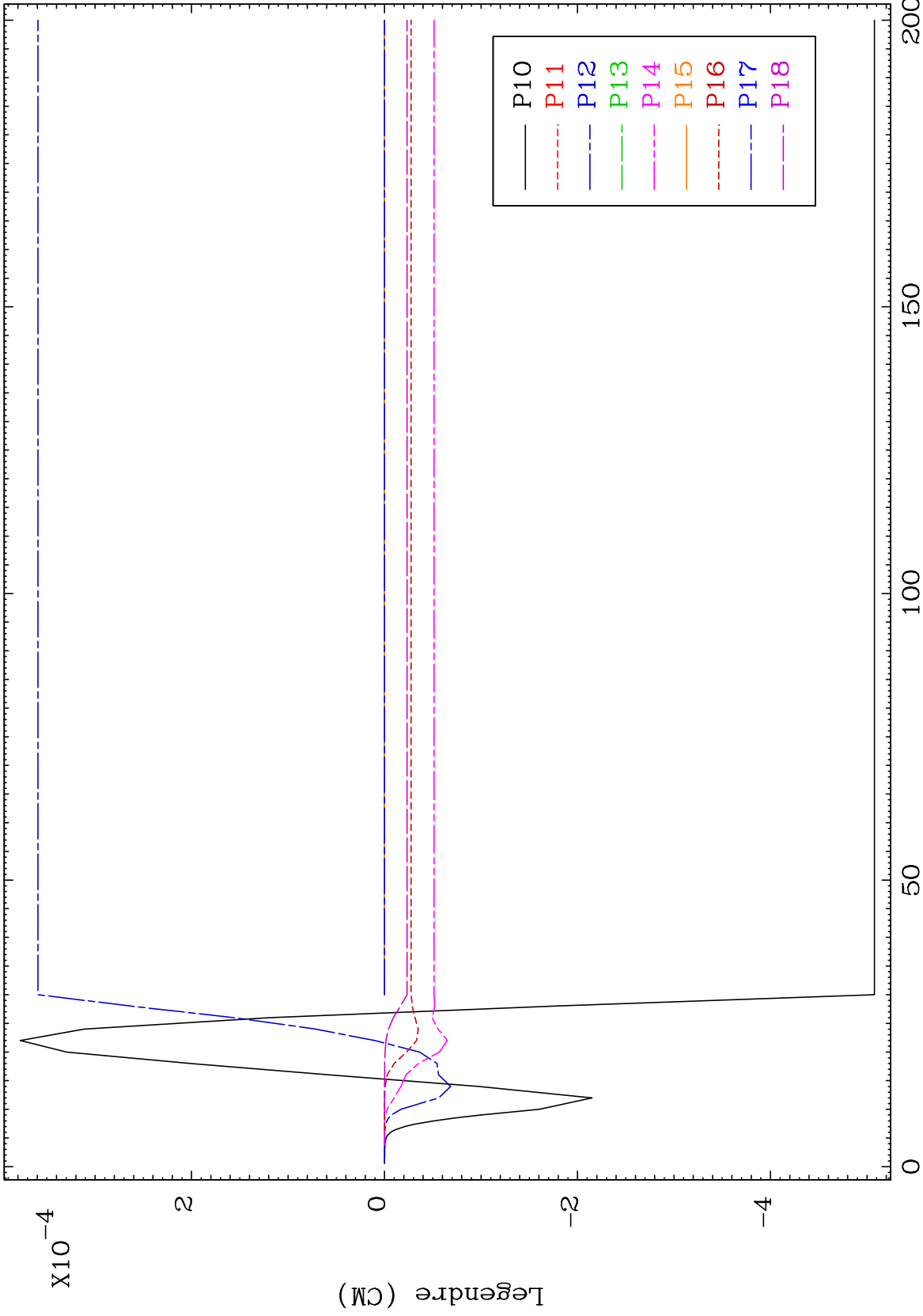
48

51-Sb-126

MAT 5140

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

51-Sb-126



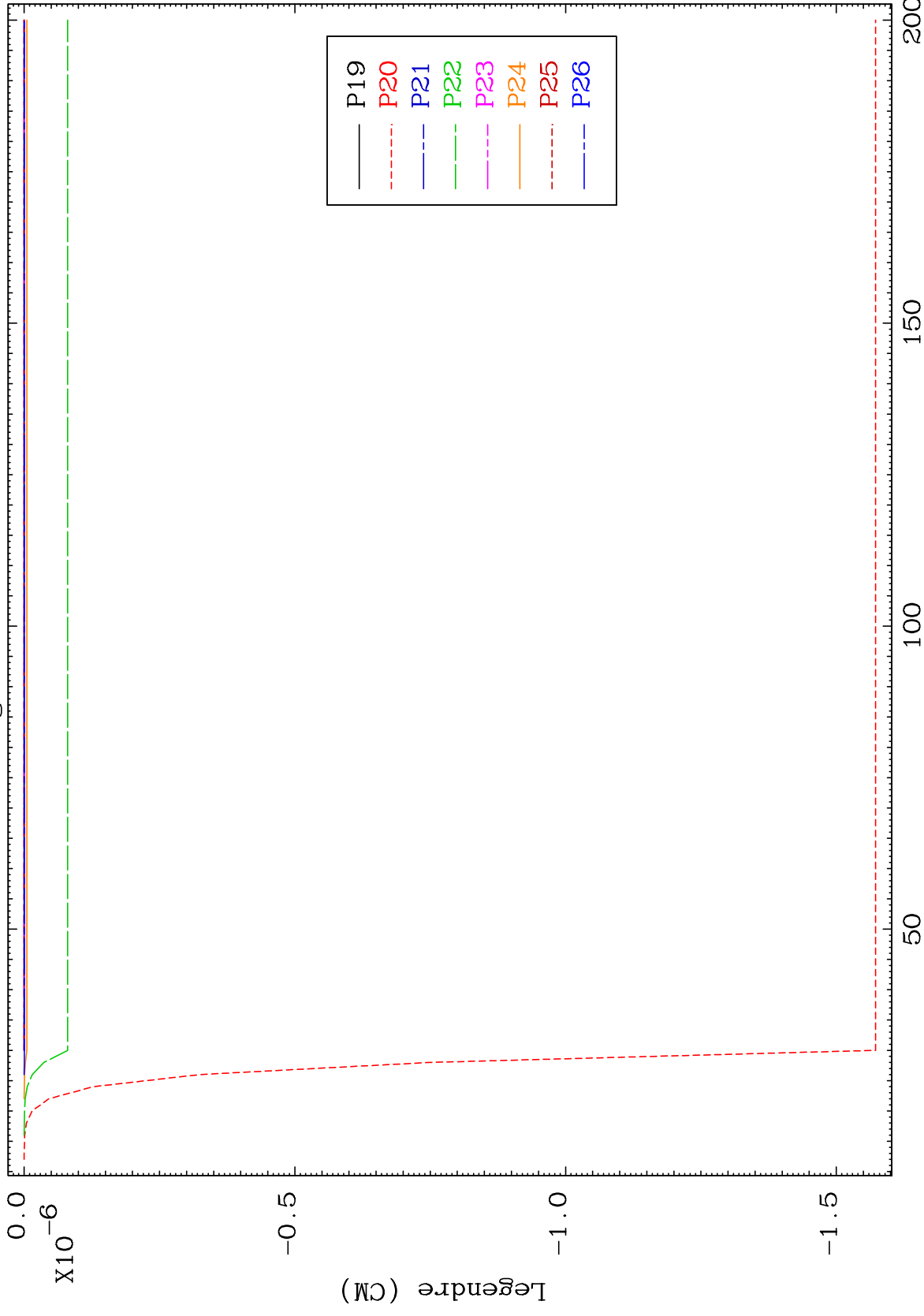
49

51-Sb-126

MAT 5140

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

51-Sb-126



51-Sb-126

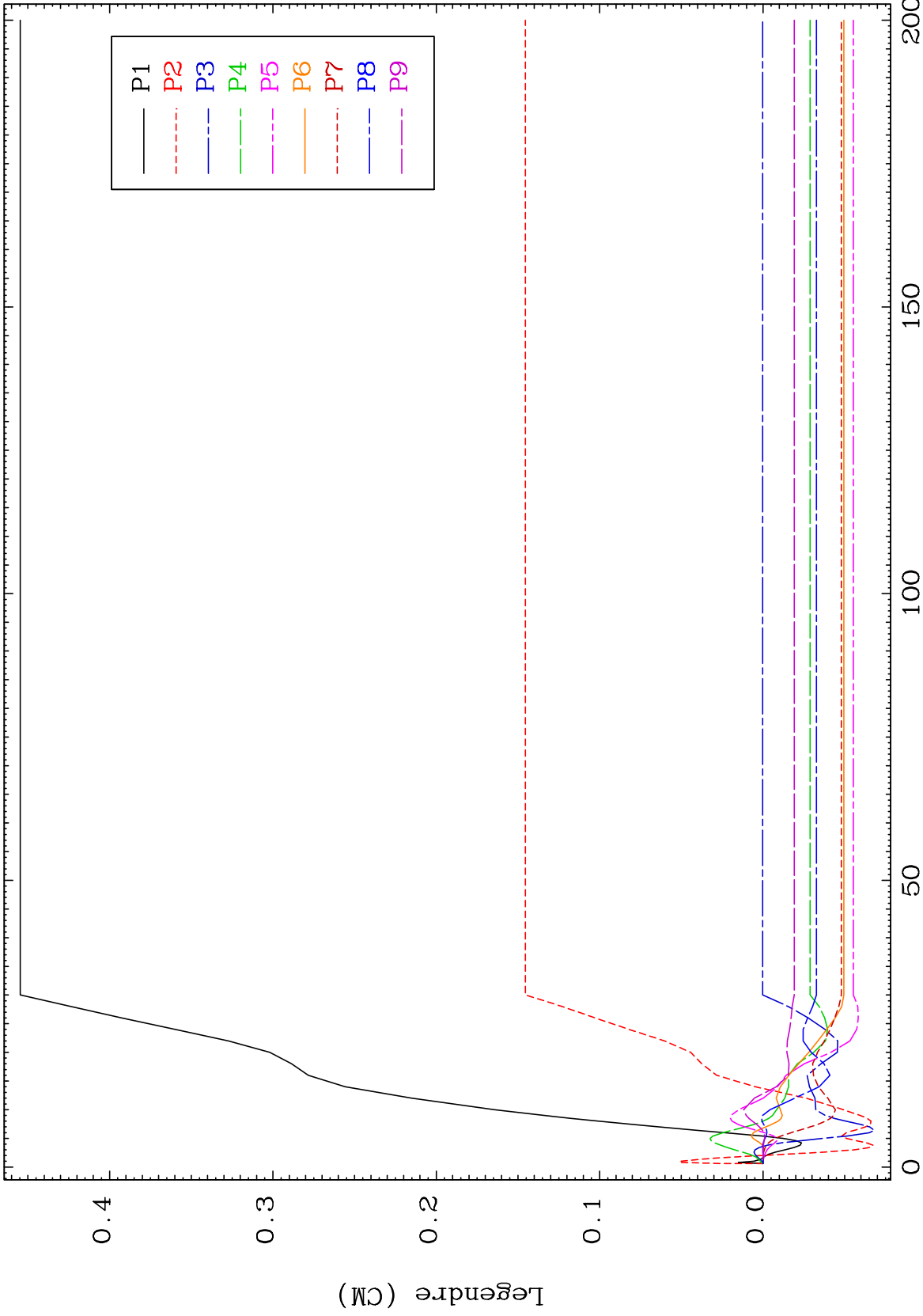
Incident Energy (MeV)

50

MAT 5140

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

51-Sb-126



51

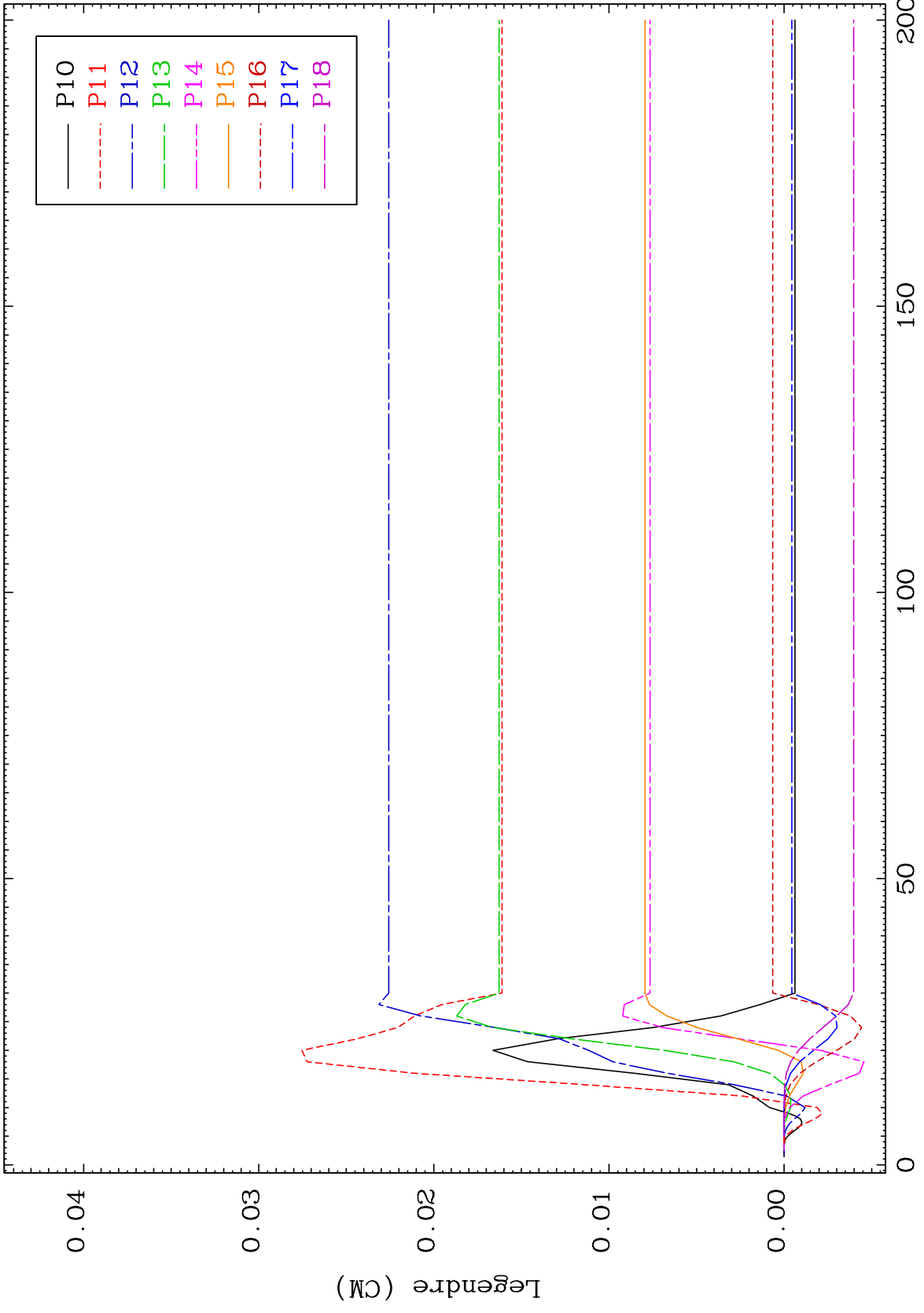
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



52

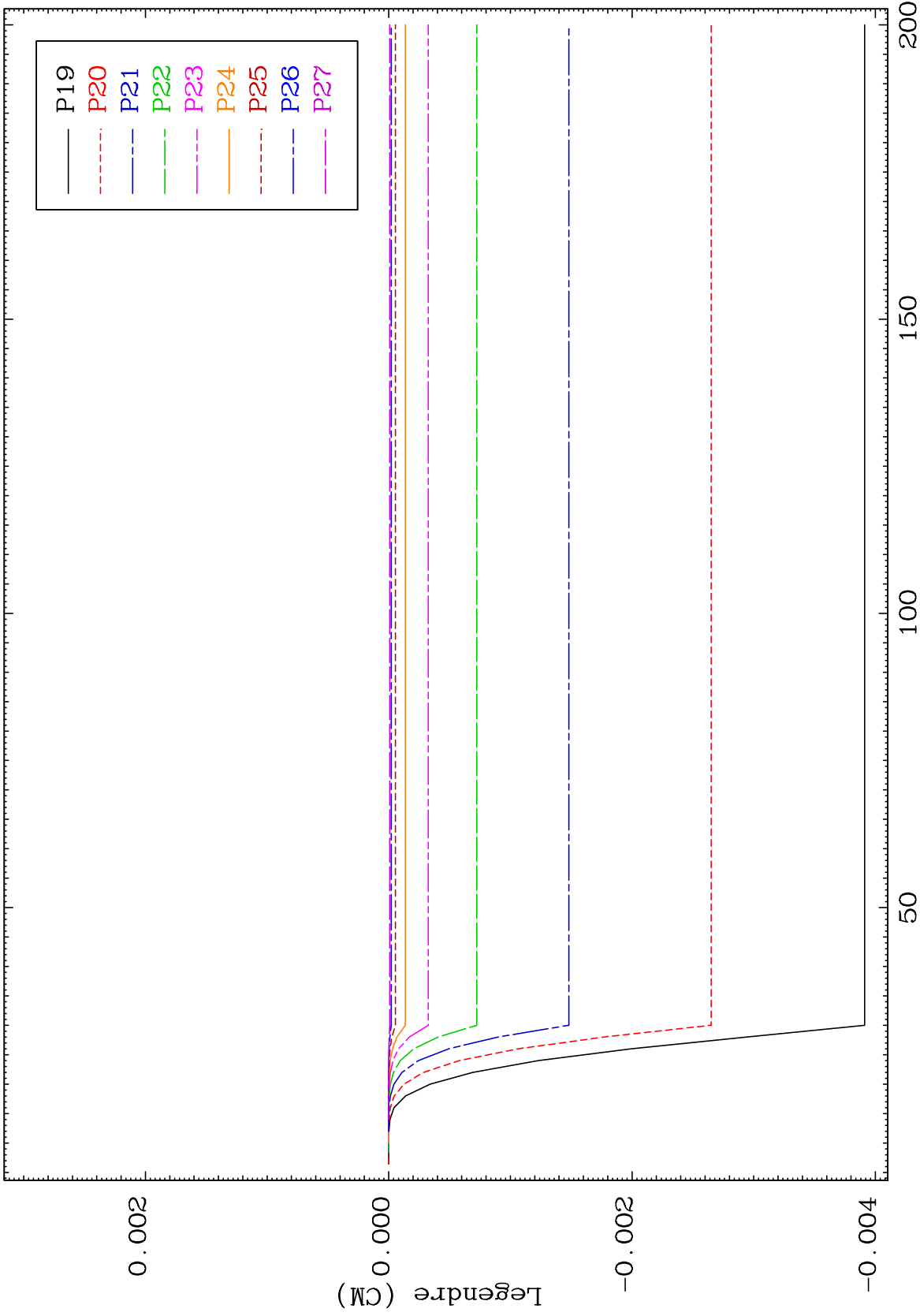
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



53

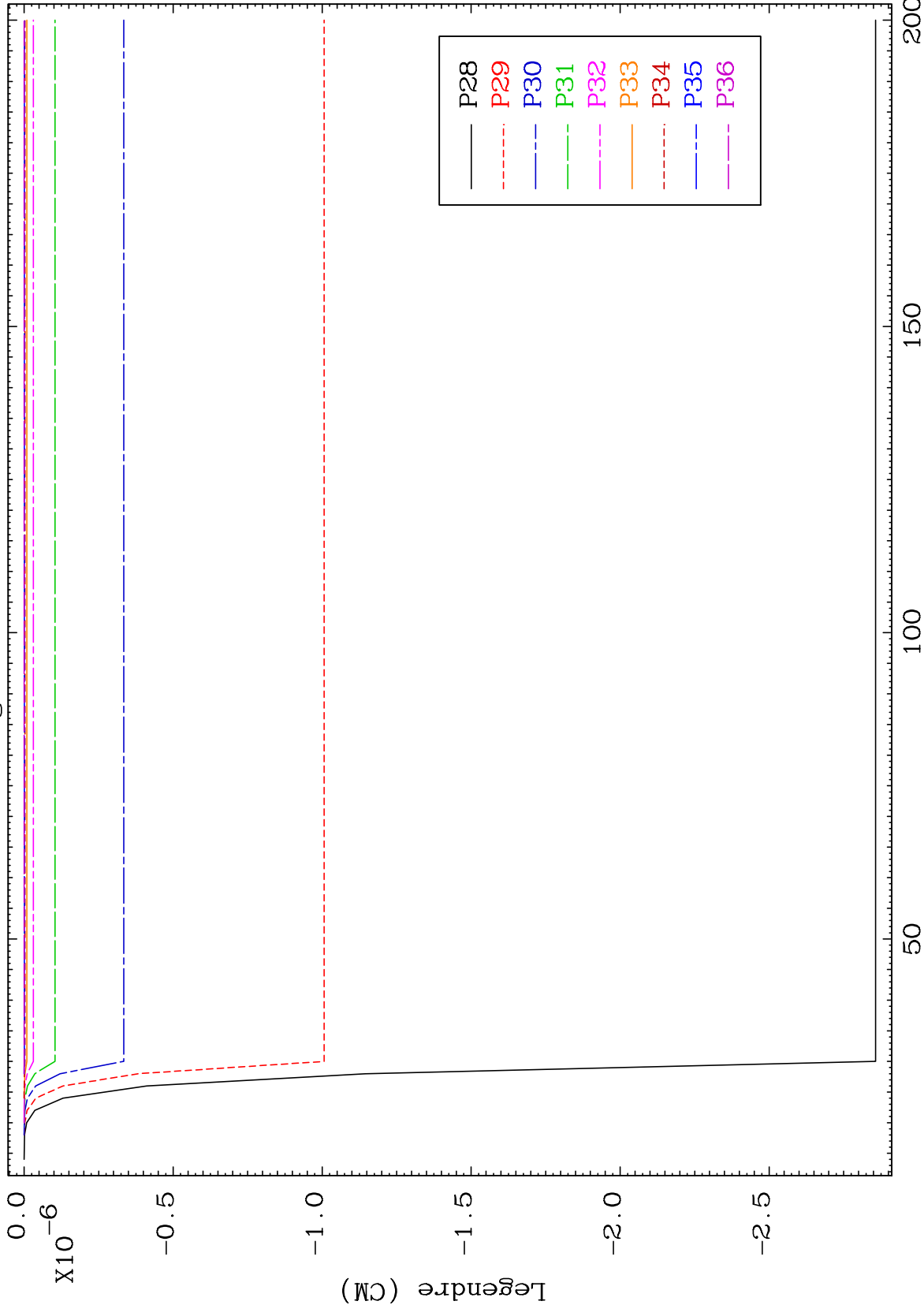
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



51-Sb-126

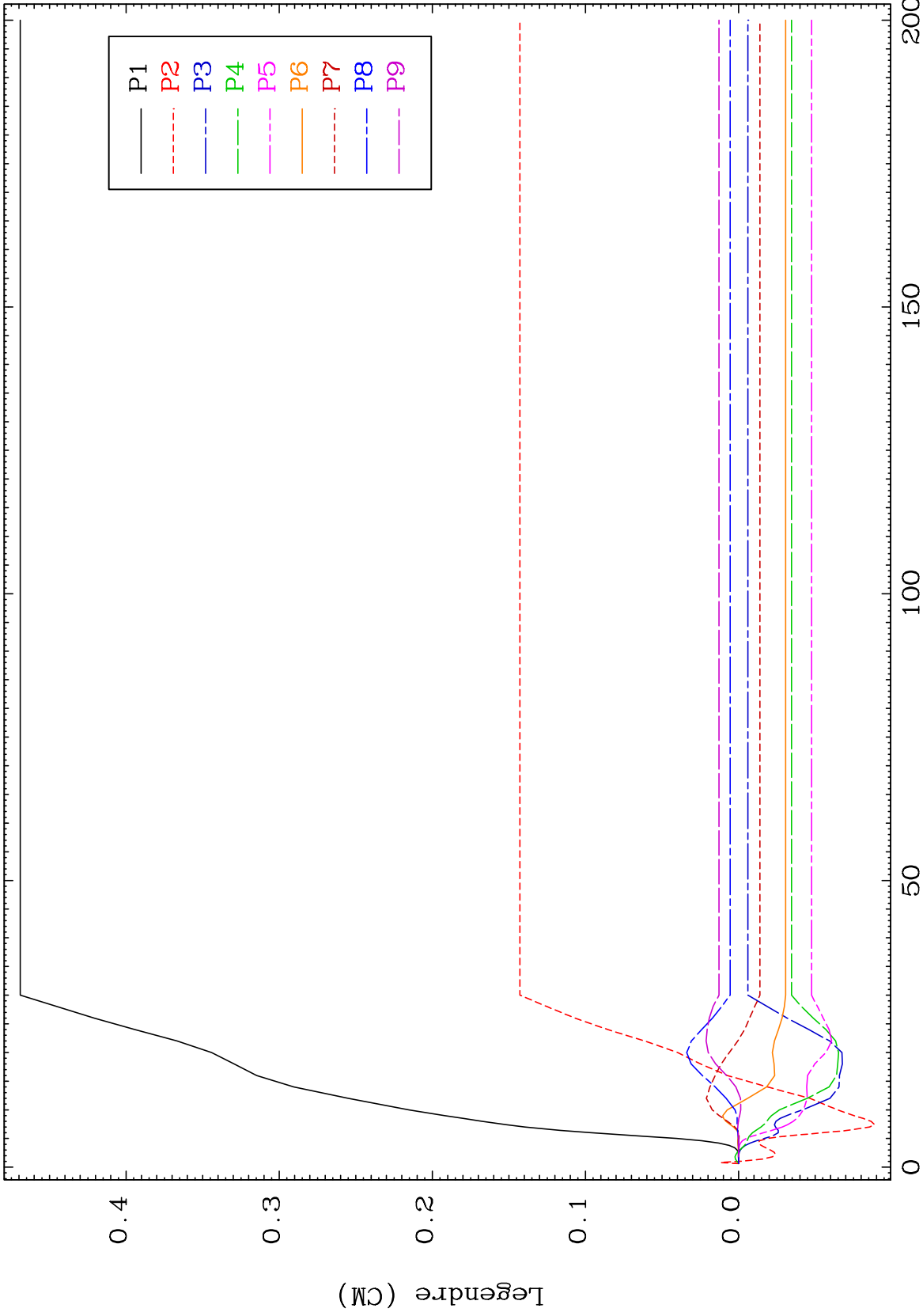
Incident Energy (MeV)

54

MAT 5140

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

51-Sb-126



55

Incident Energy (MeV)

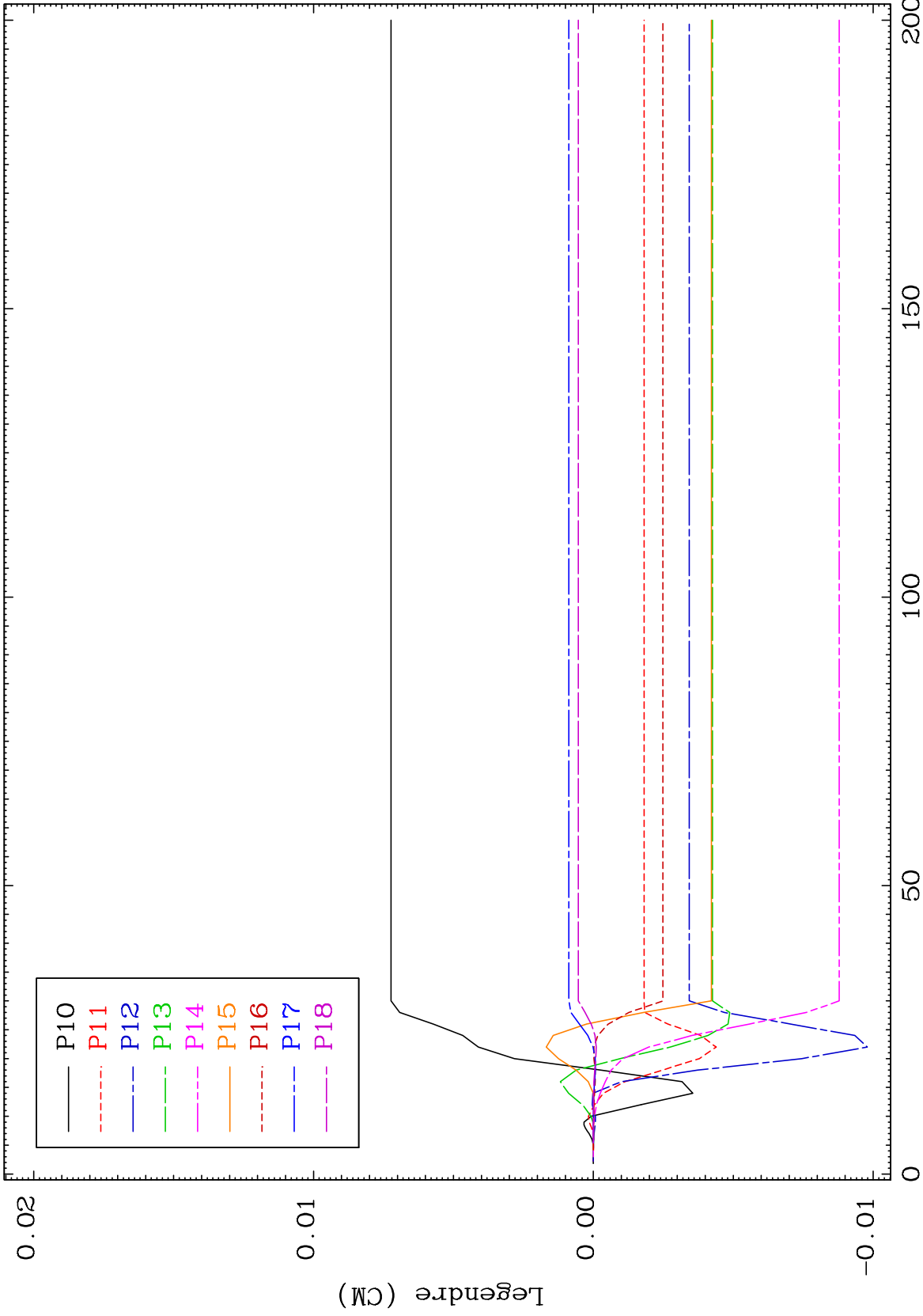
51-Sb-126



MAT 5140

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

51-Sb-126



56

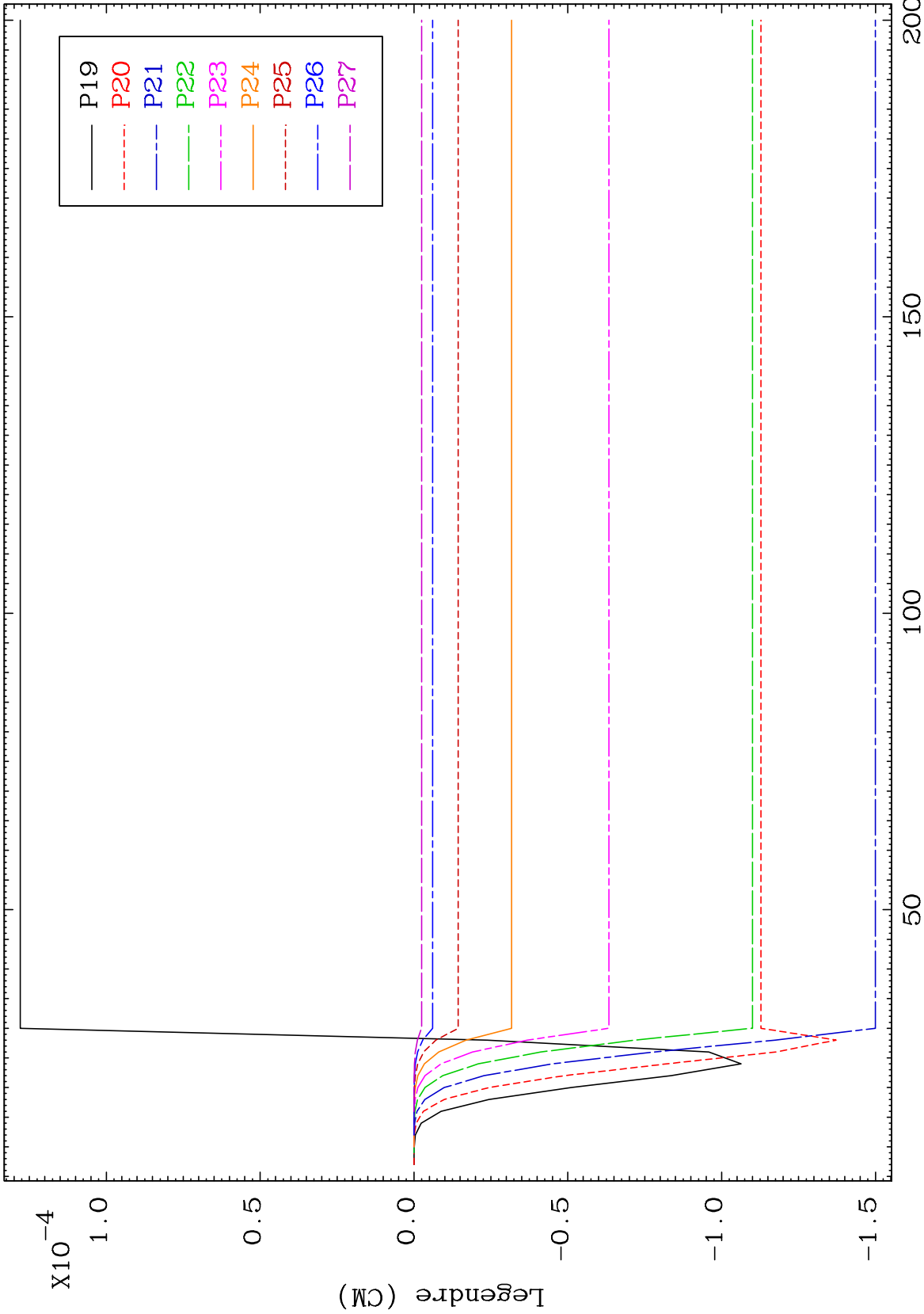
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



57

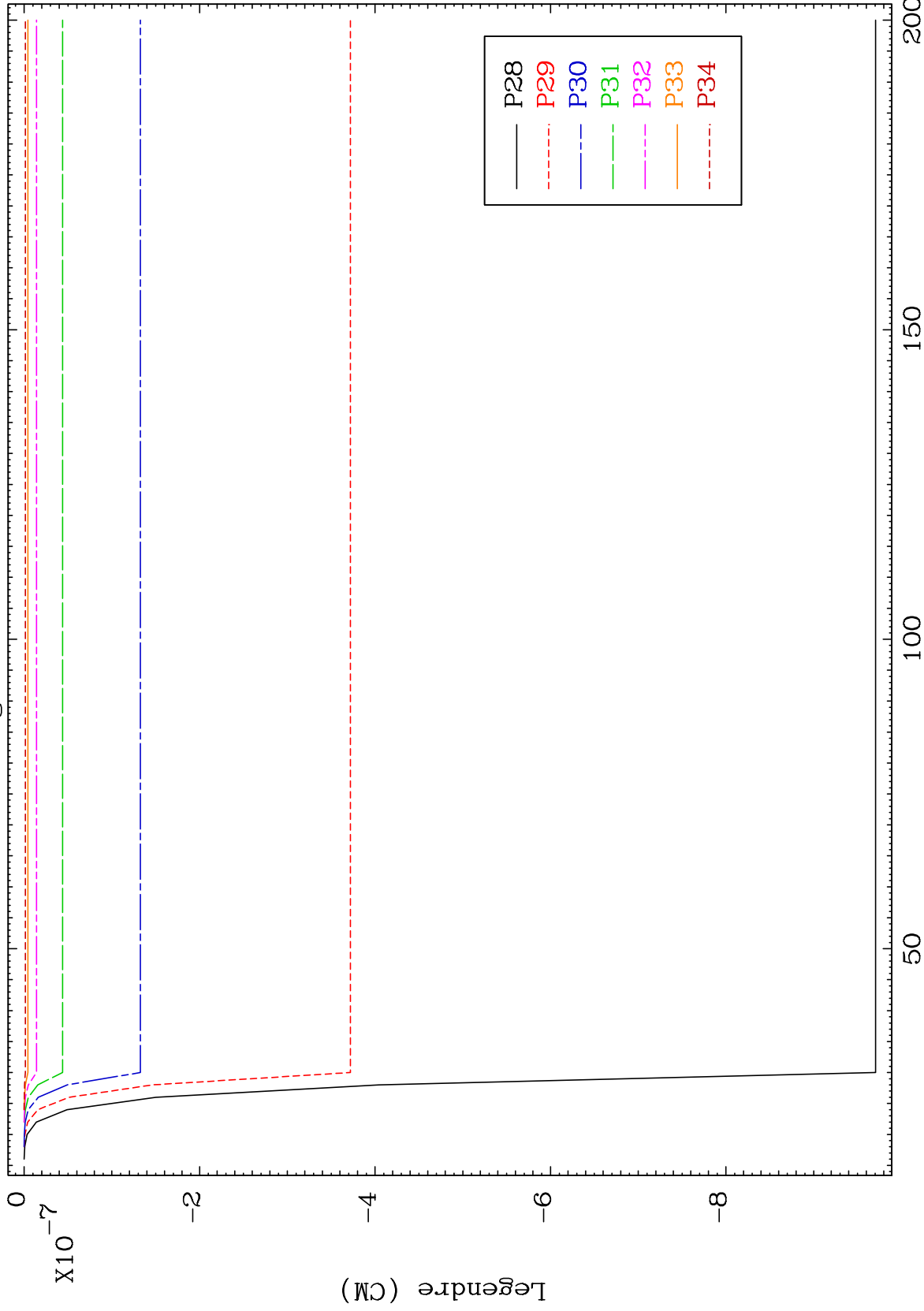
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



58

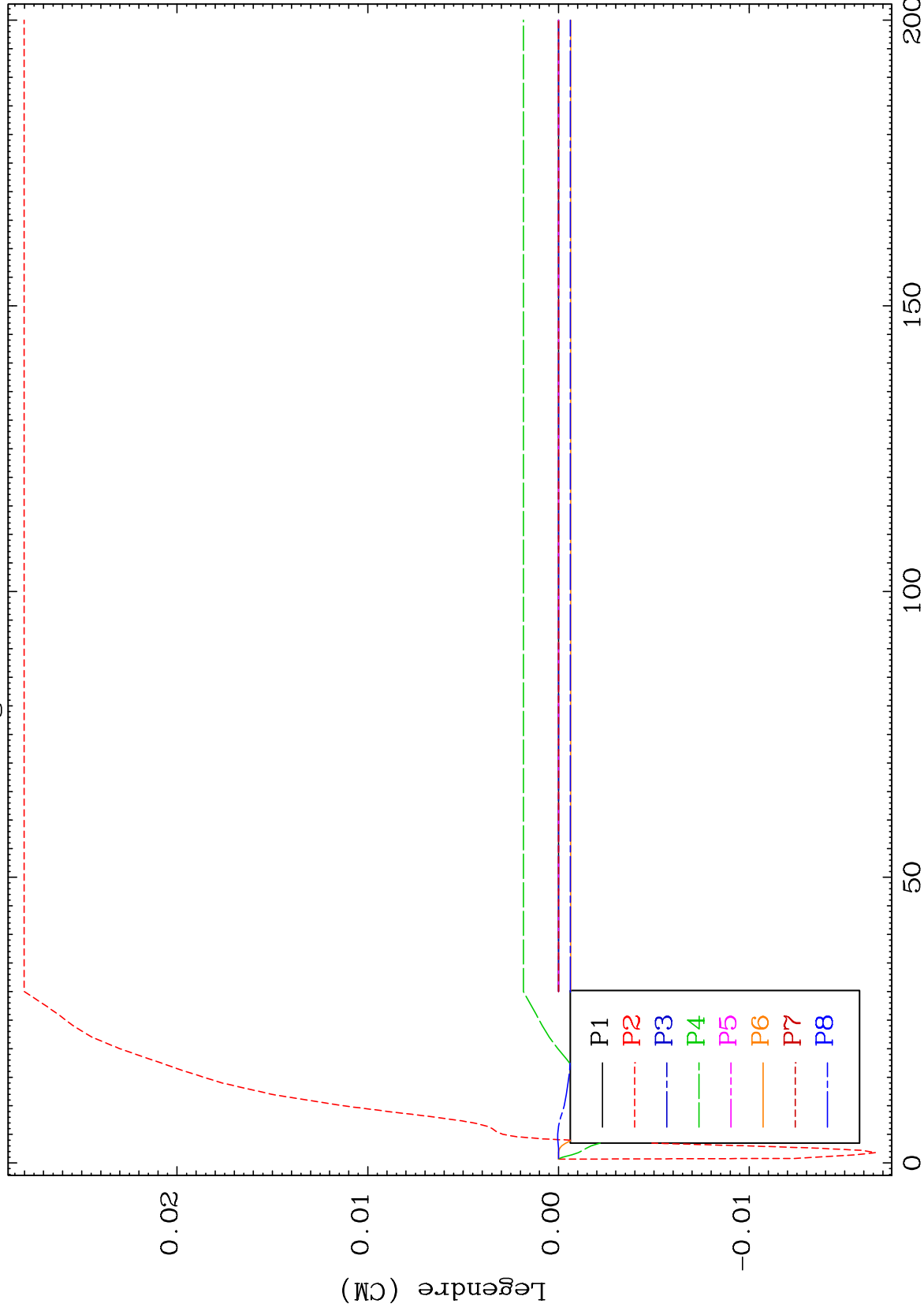
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



59

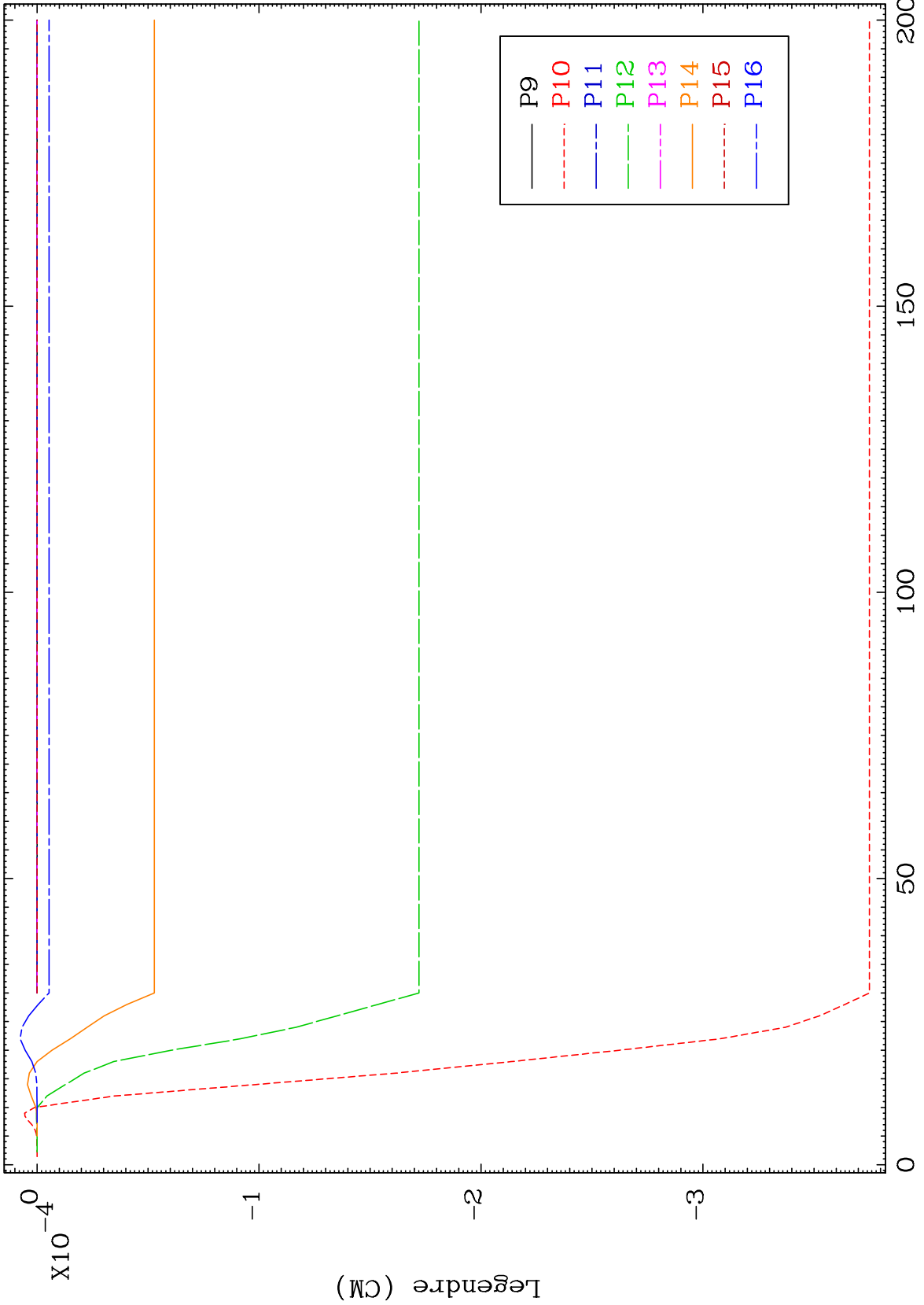
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



60

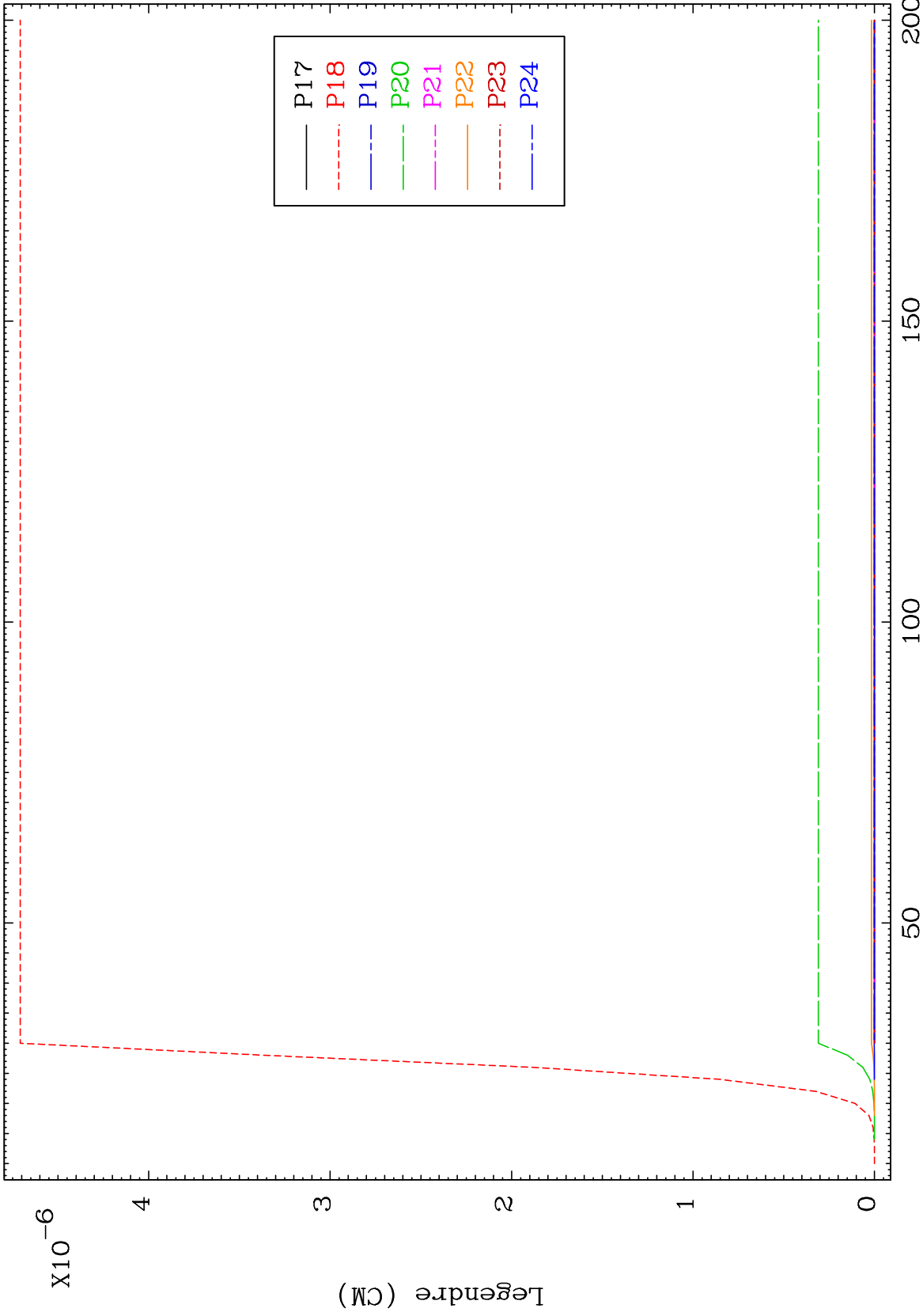
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



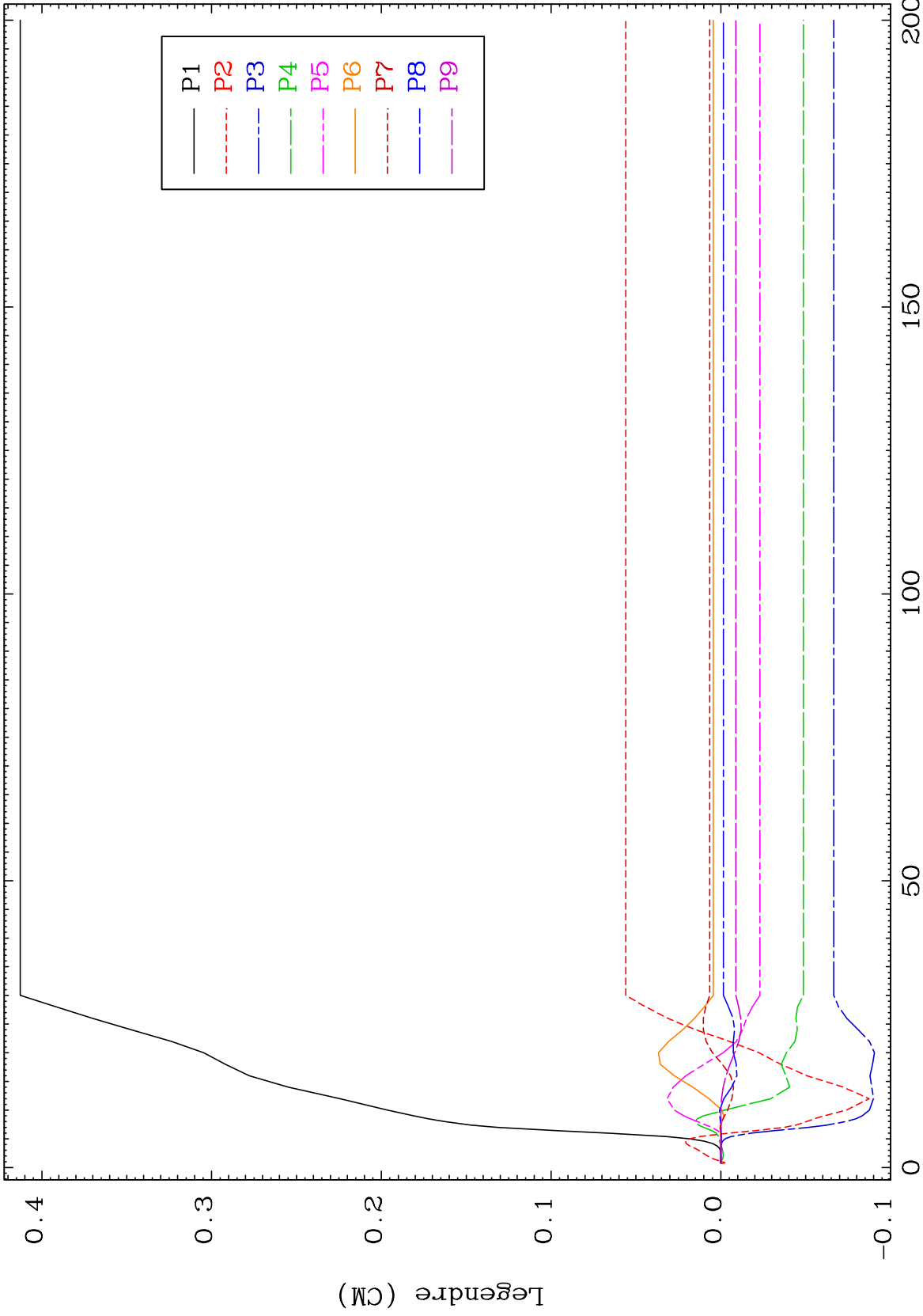
61

51-Sb-126

MAT 5140

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

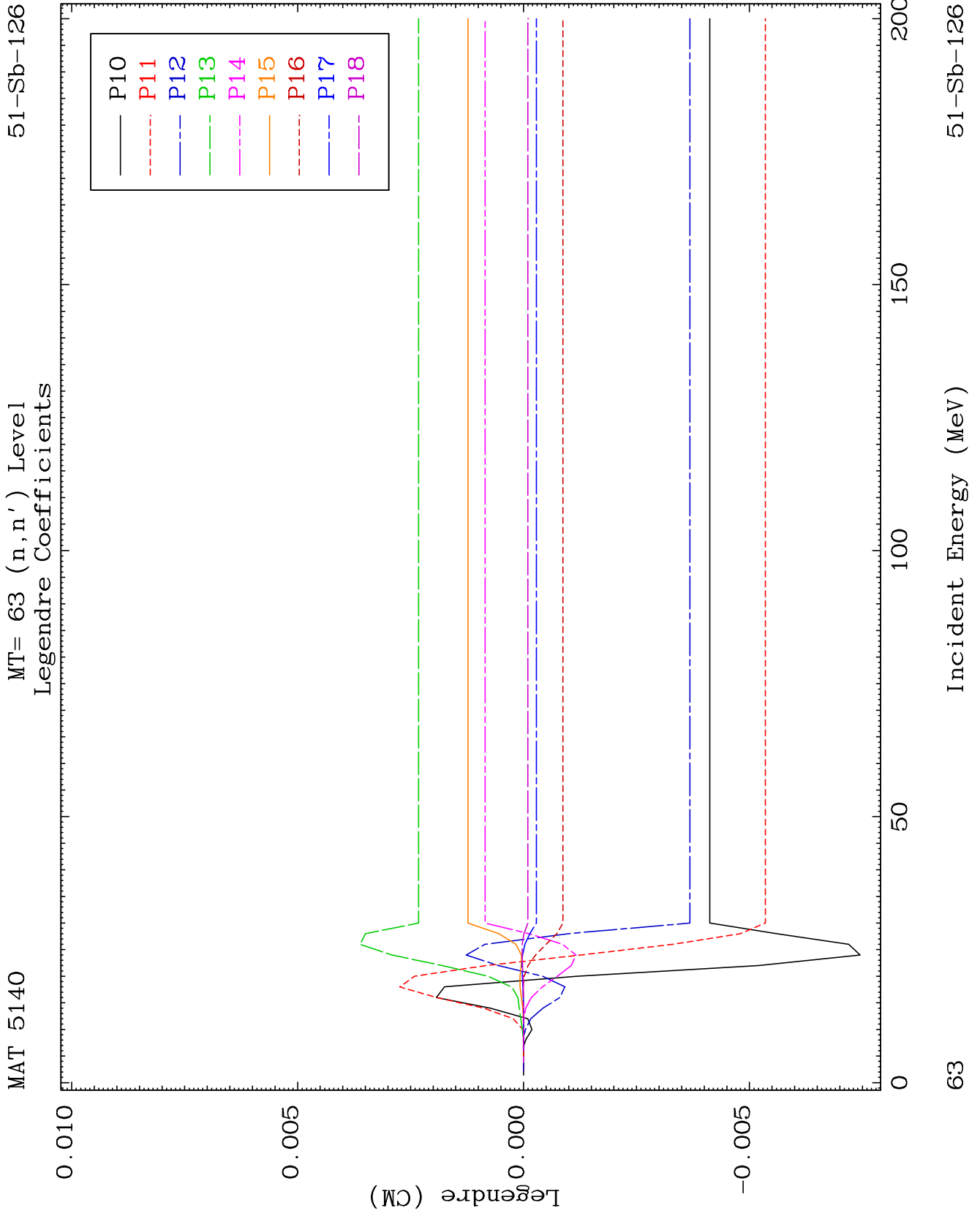
51-Sb-126



62

Incident Energy (MeV)

51-Sb-126



63

51-Sb-126

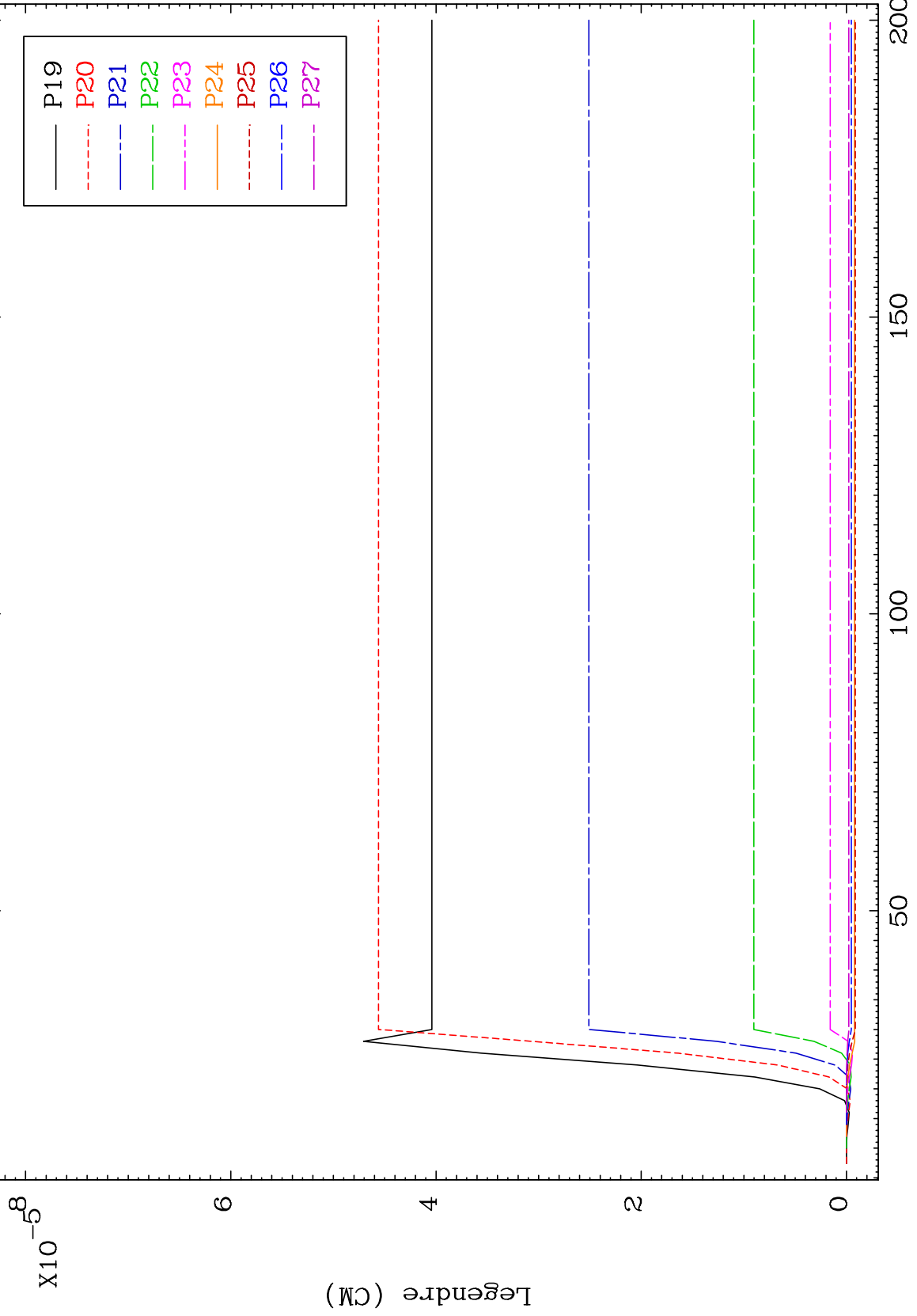
51-Sb-126



MAT 5140

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

51-Sb-126



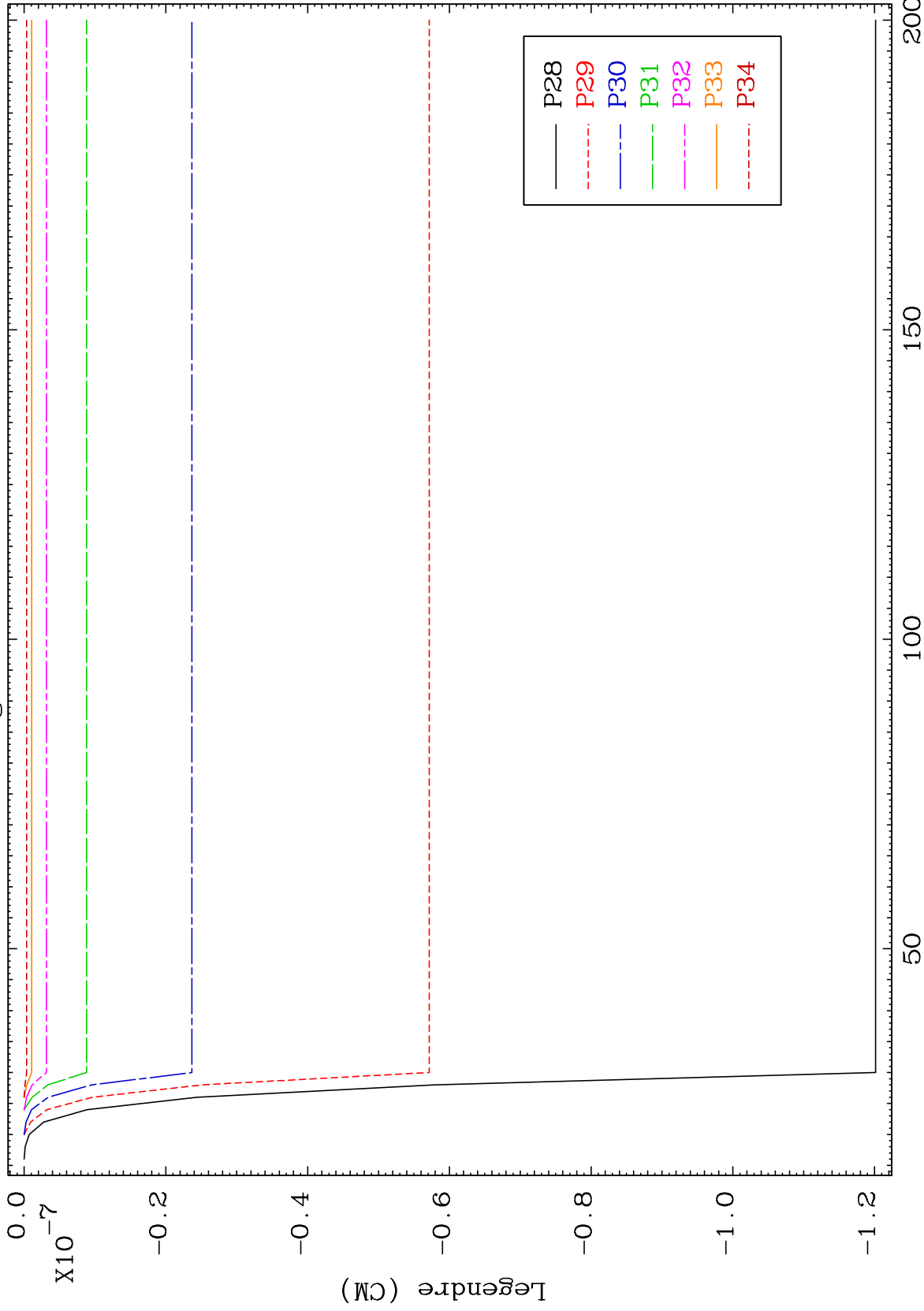
64

51-Sb-126

MAT 5140

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

51-Sb-126



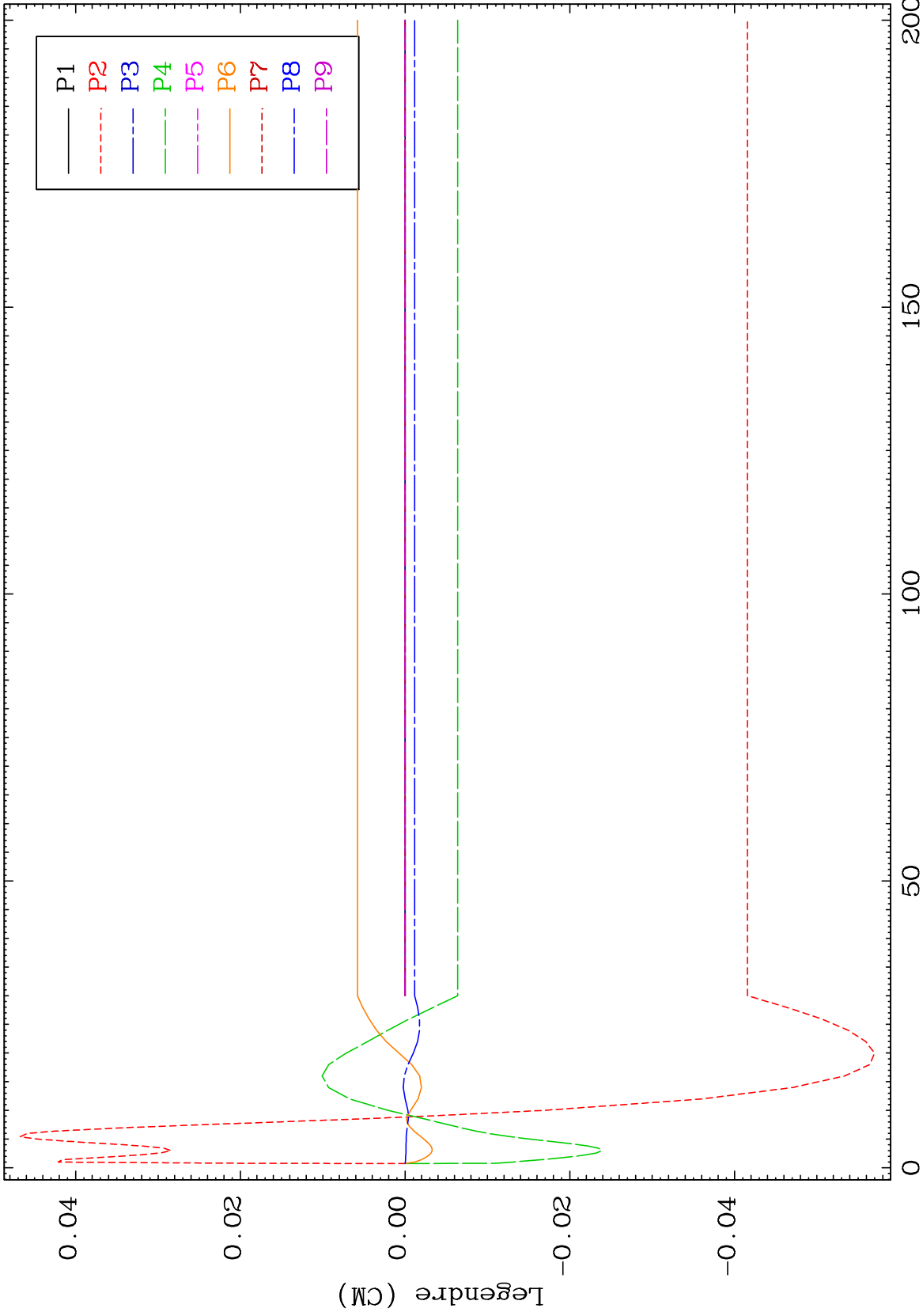
65

51-Sb-126

MAT 5140

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

51-Sb-126



66

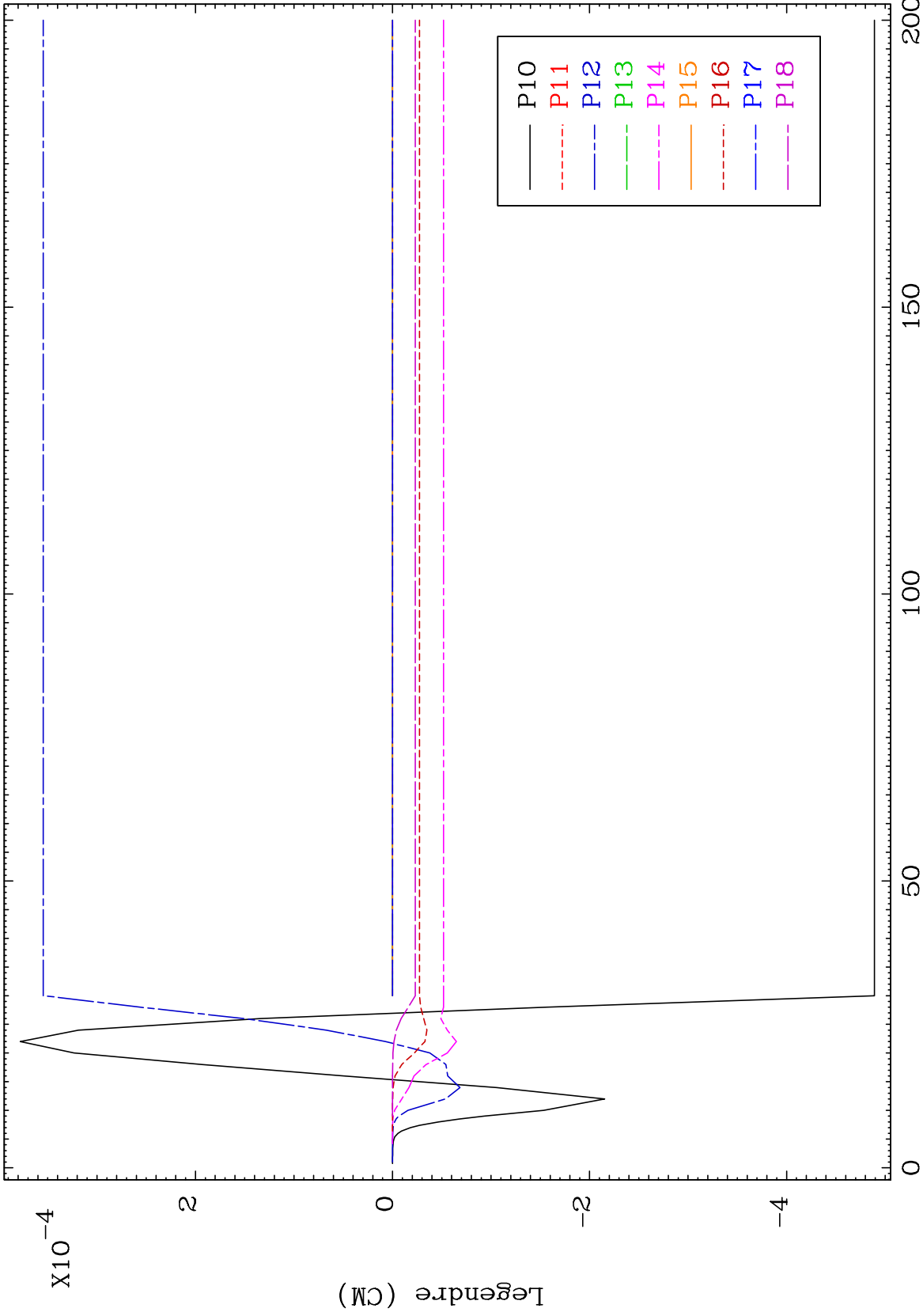
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



67

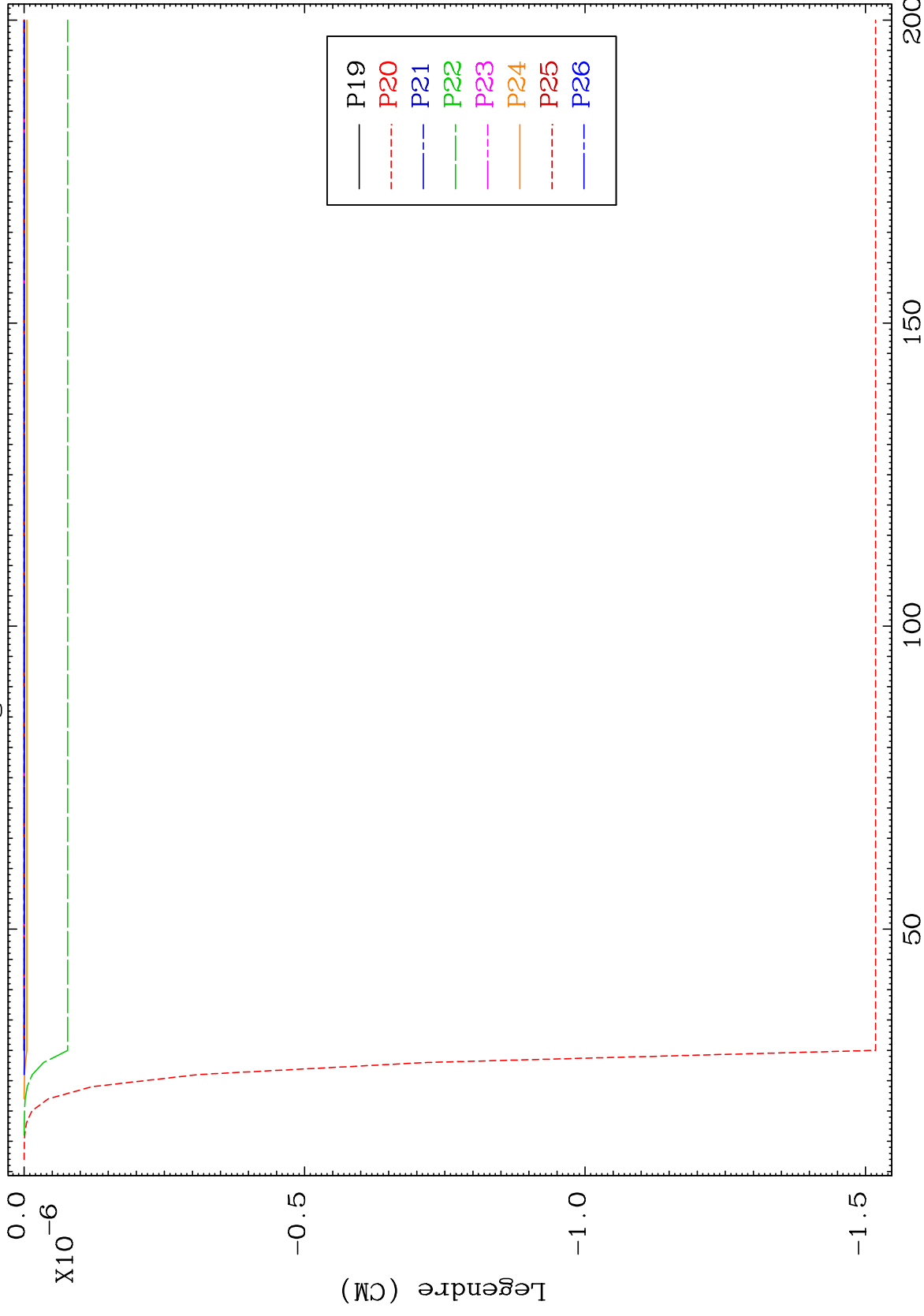
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



51-Sb-126

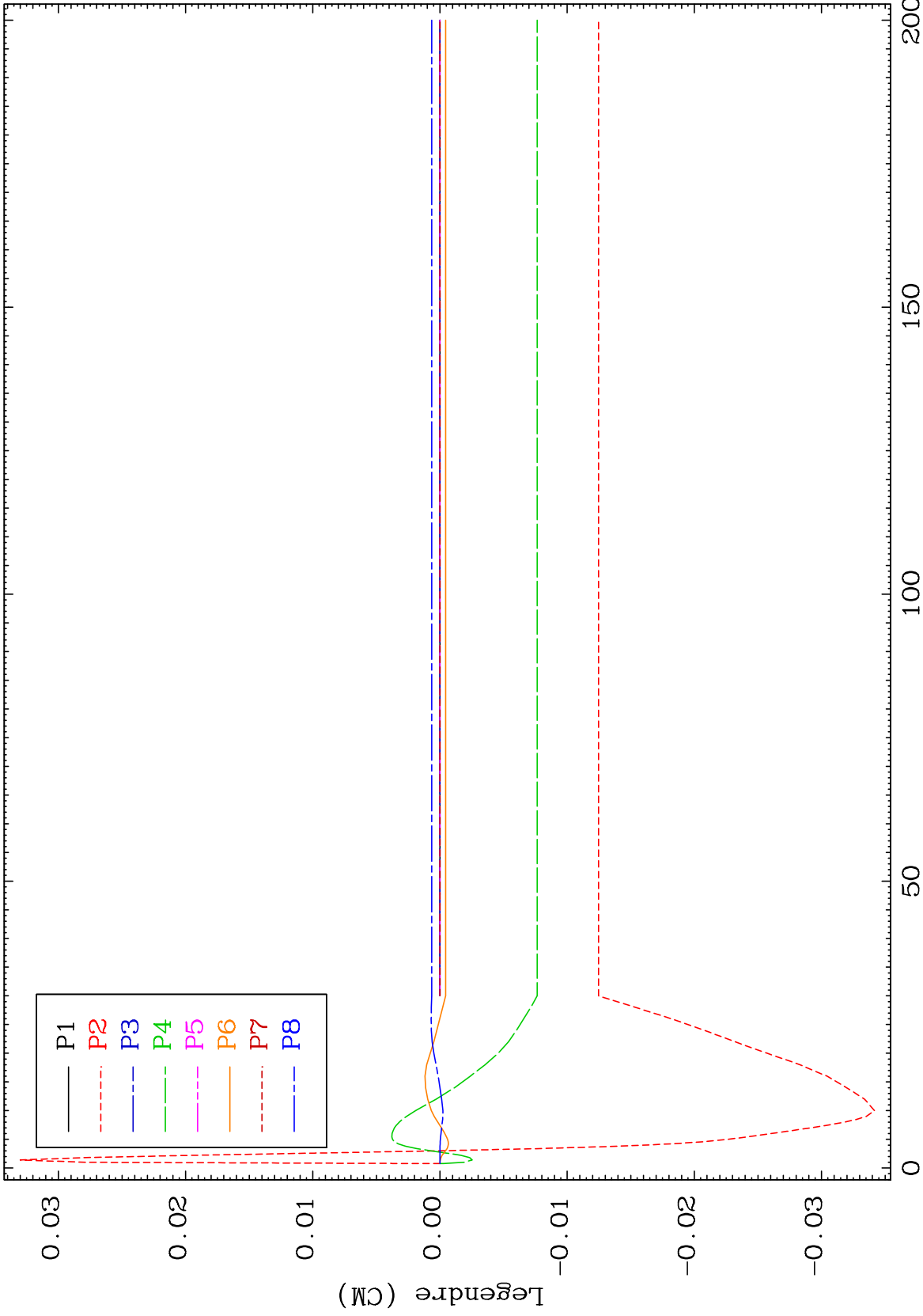
Incident Energy (MeV)

68

MAT 5140

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

51-Sb-126



69

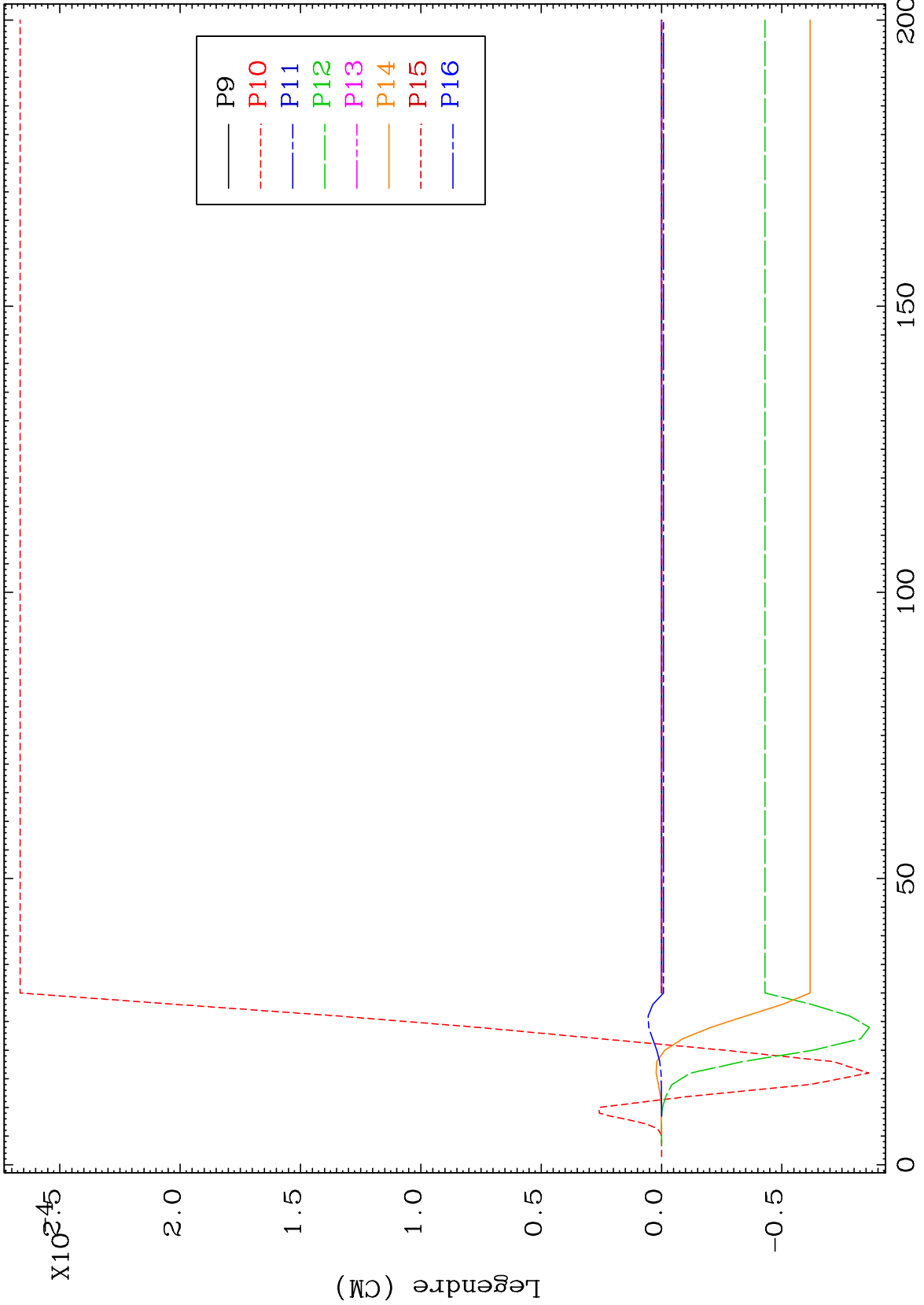
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



70

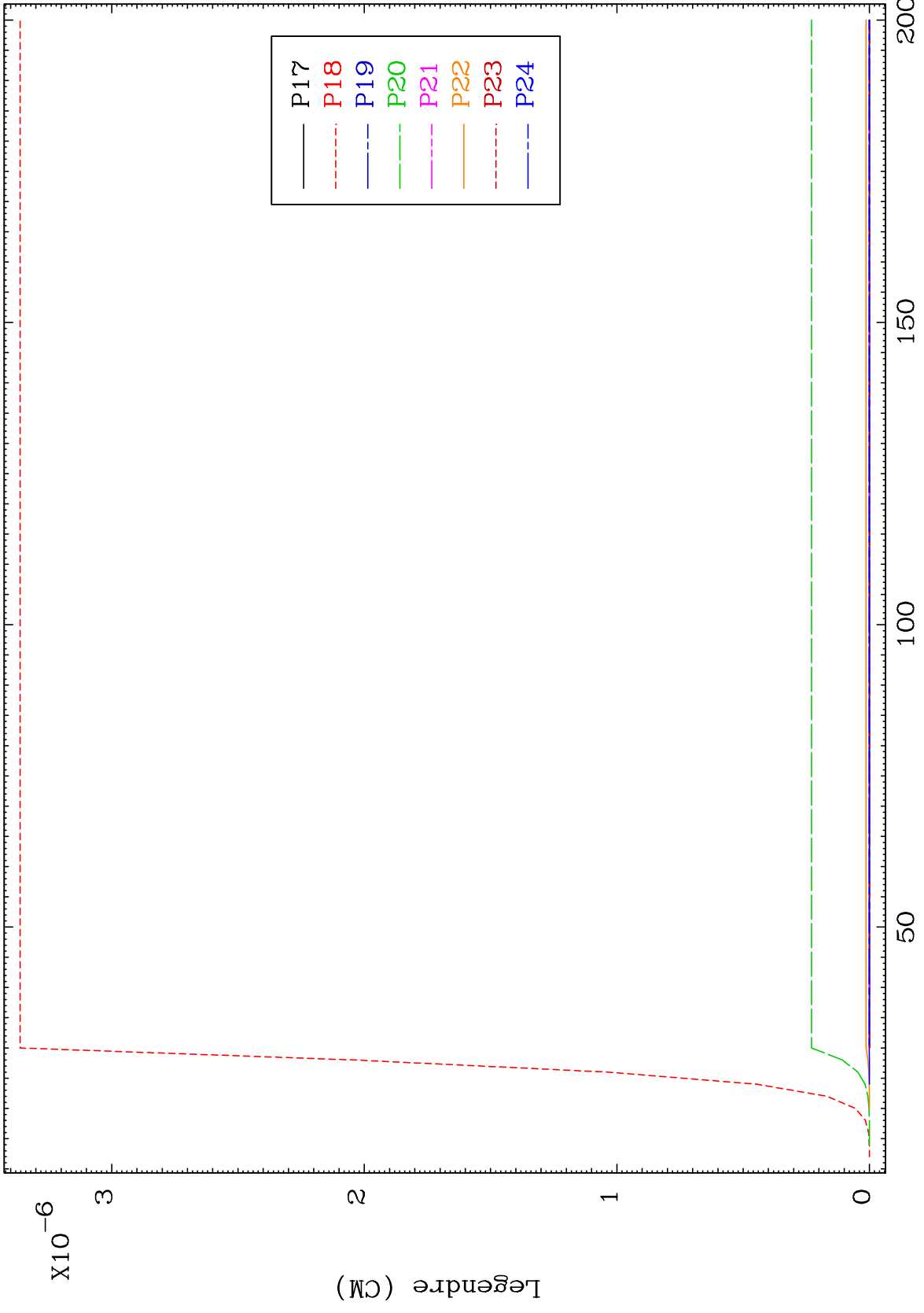
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



71

Incident Energy (MeV)

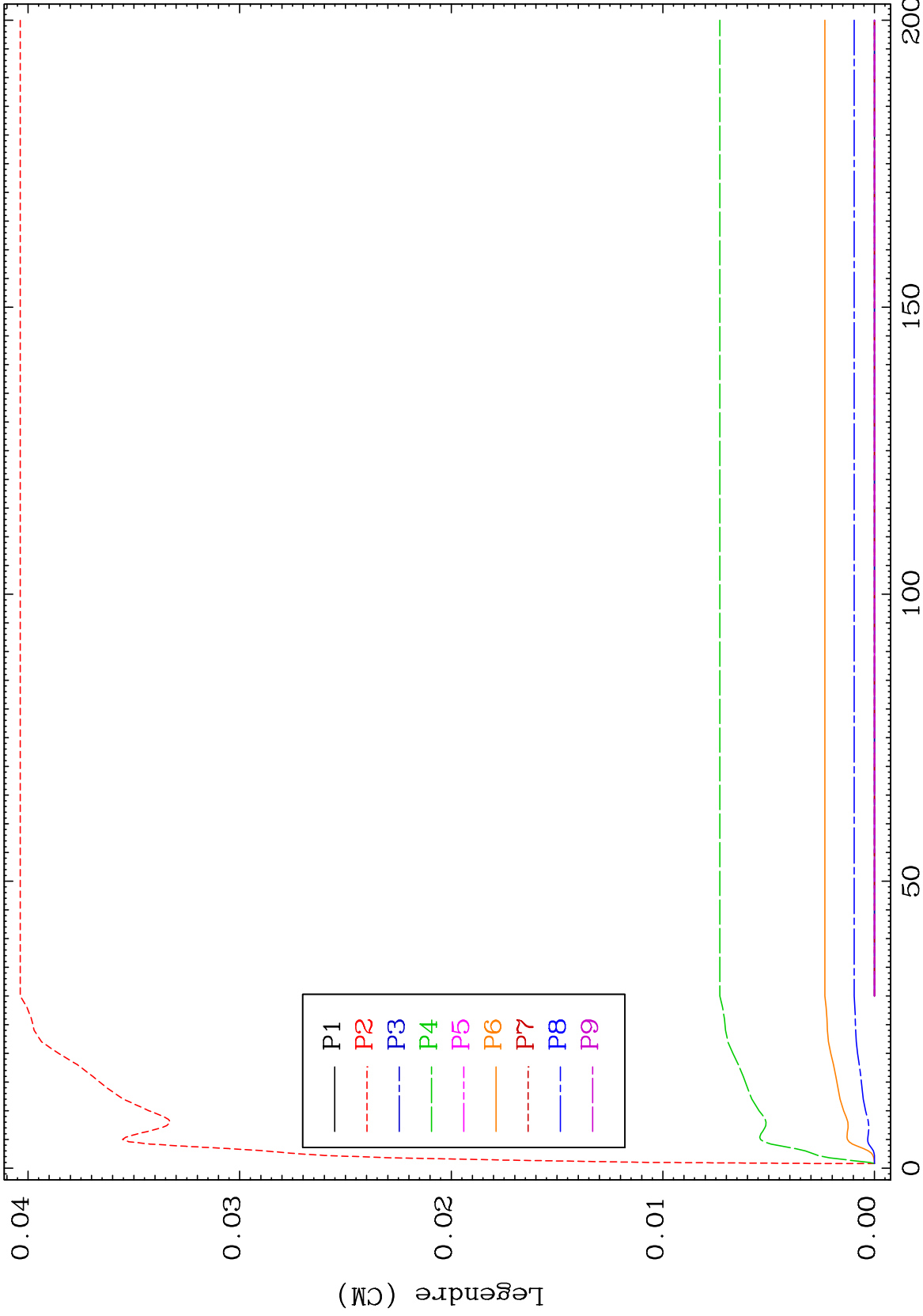
51-Sb-126



MAT 5140

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

51-Sb-126



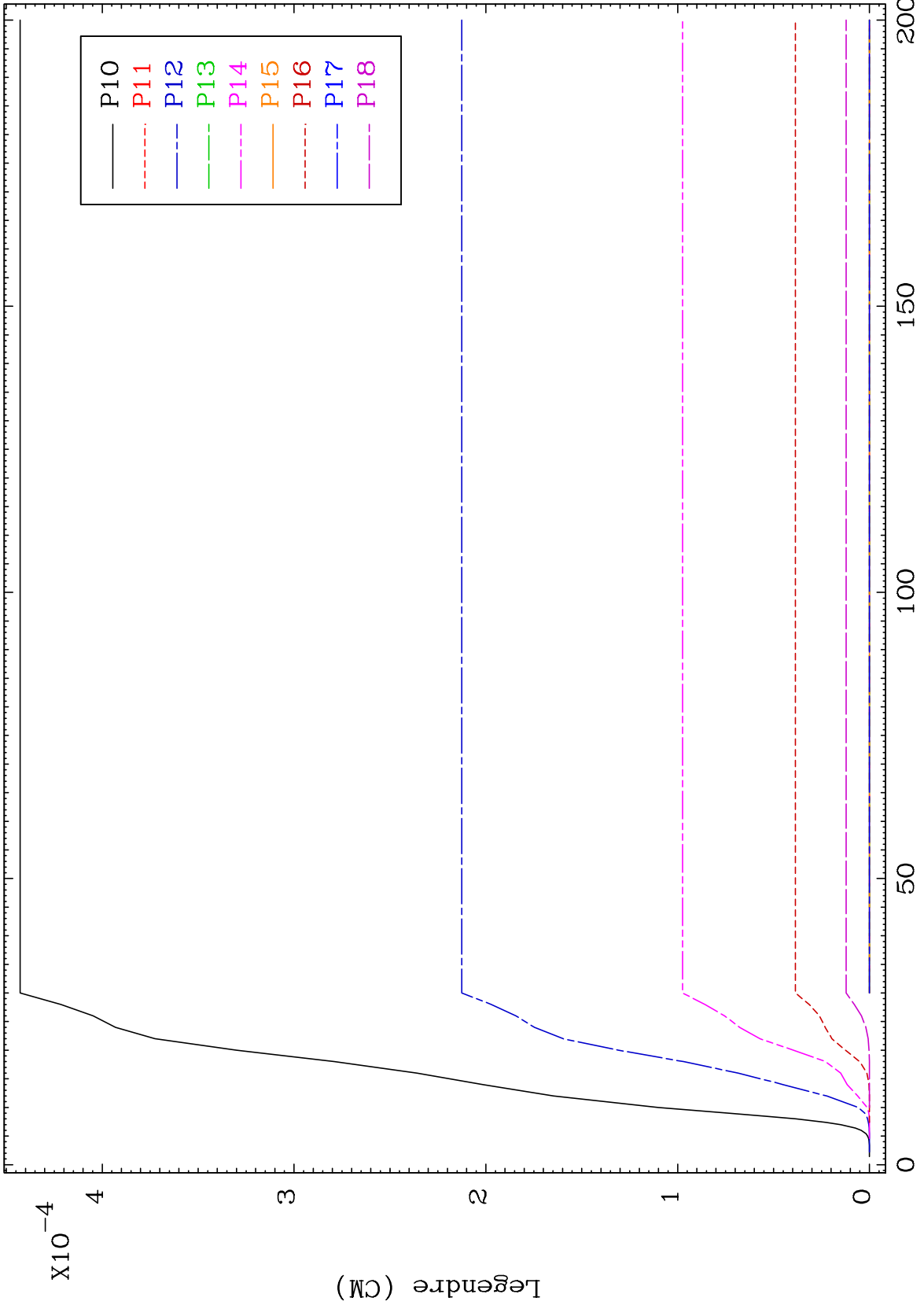
72

51-Sb-126

MAT 5140

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

51-Sb-126



73

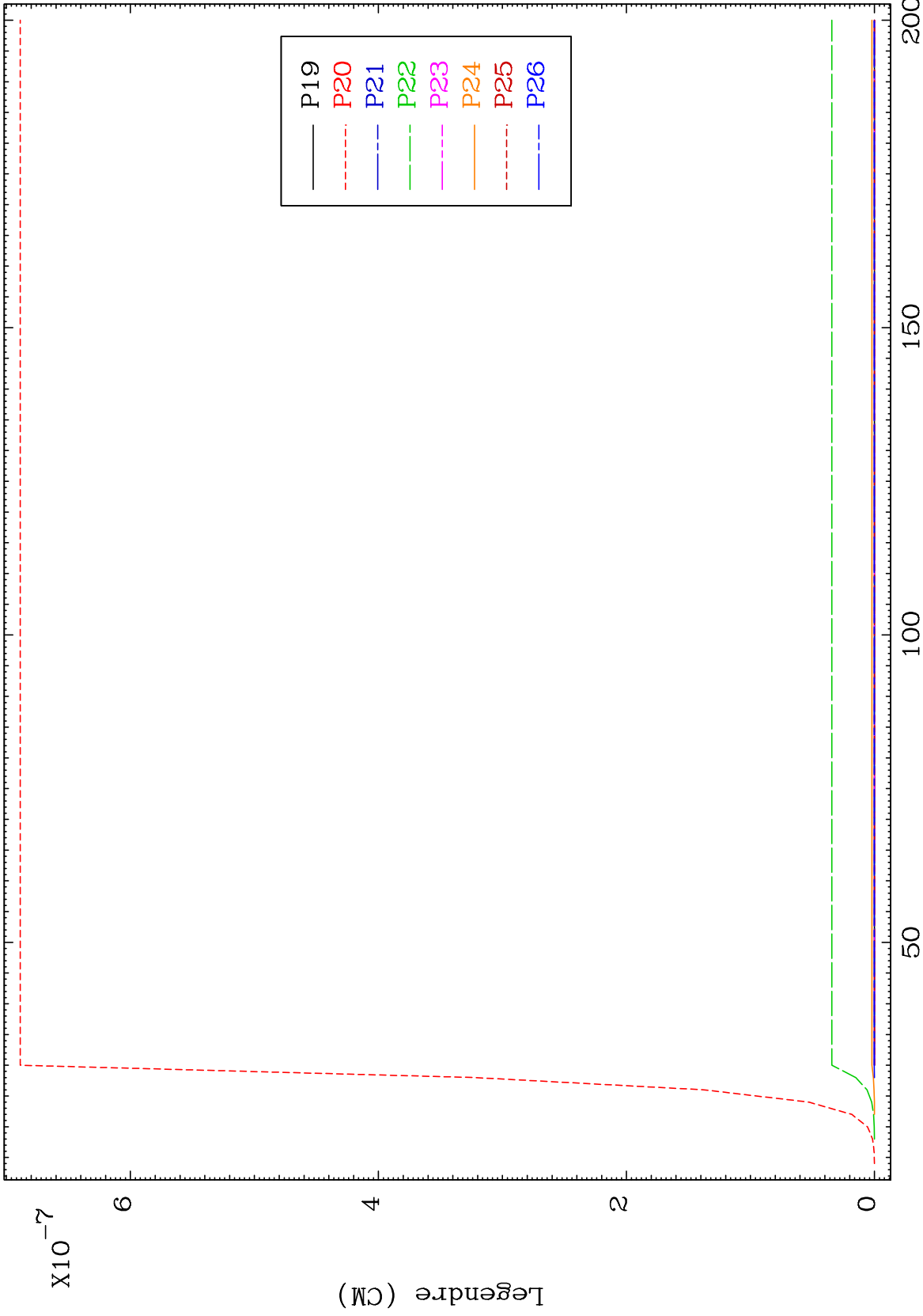
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



74

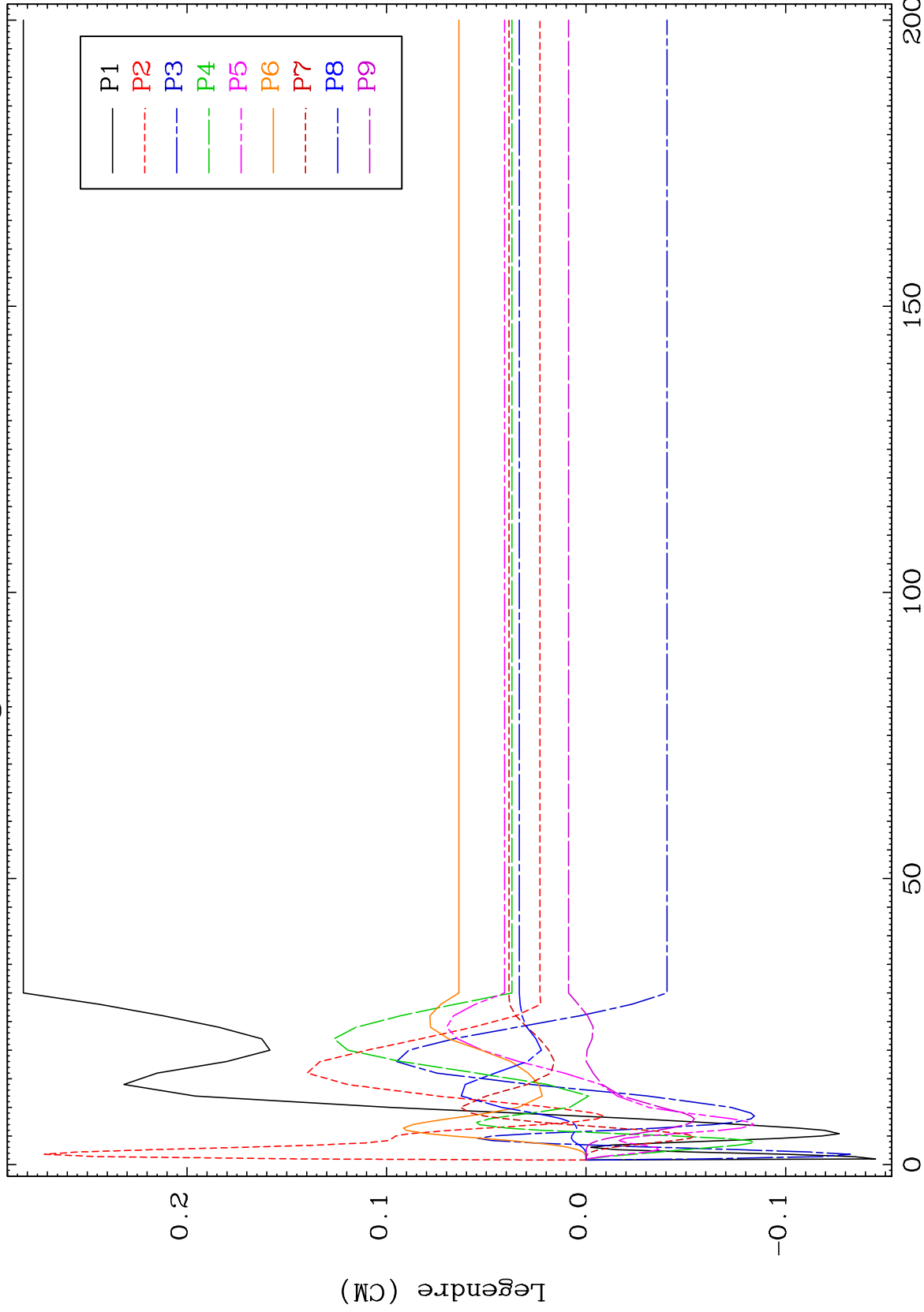
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



75

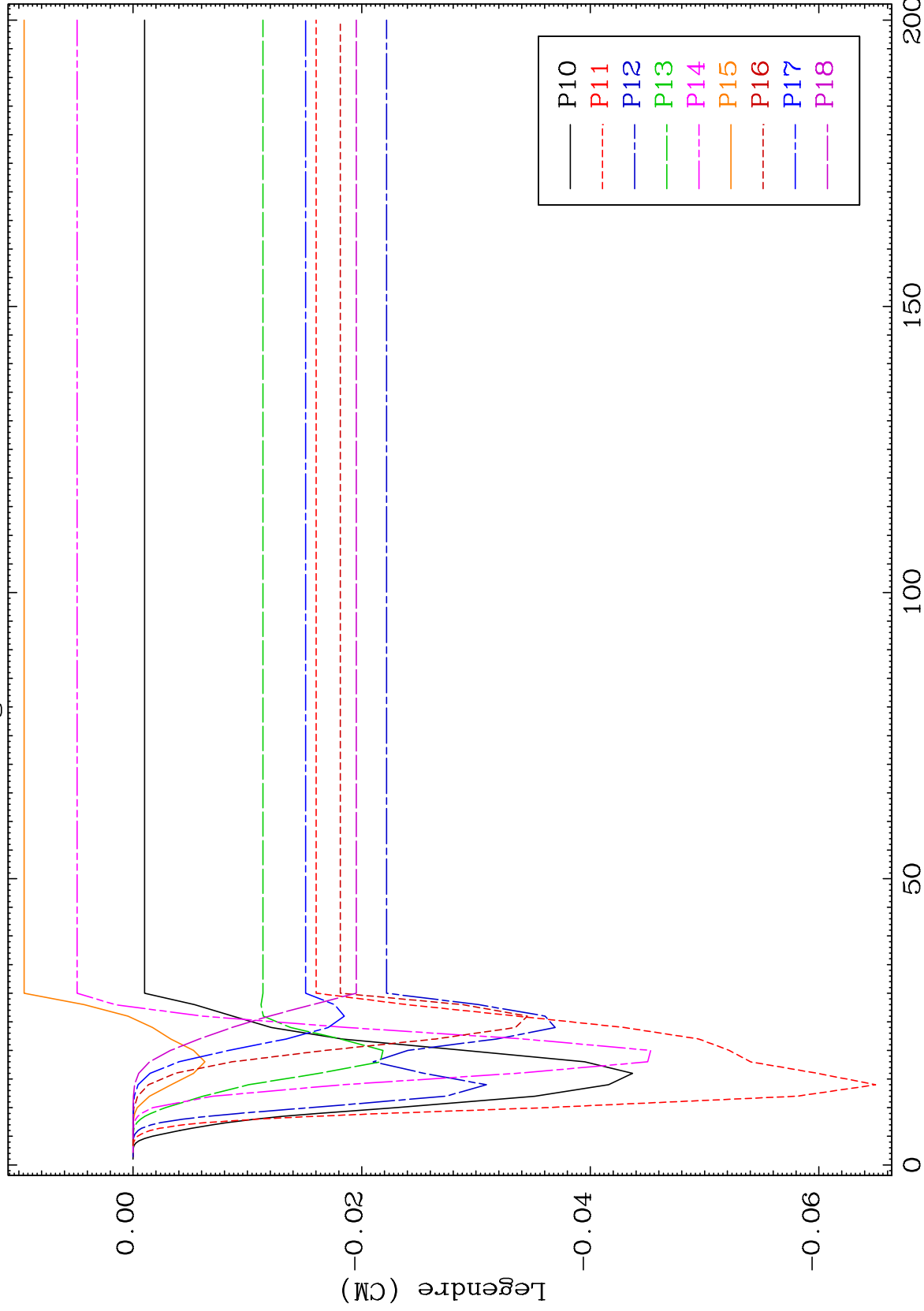
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



76

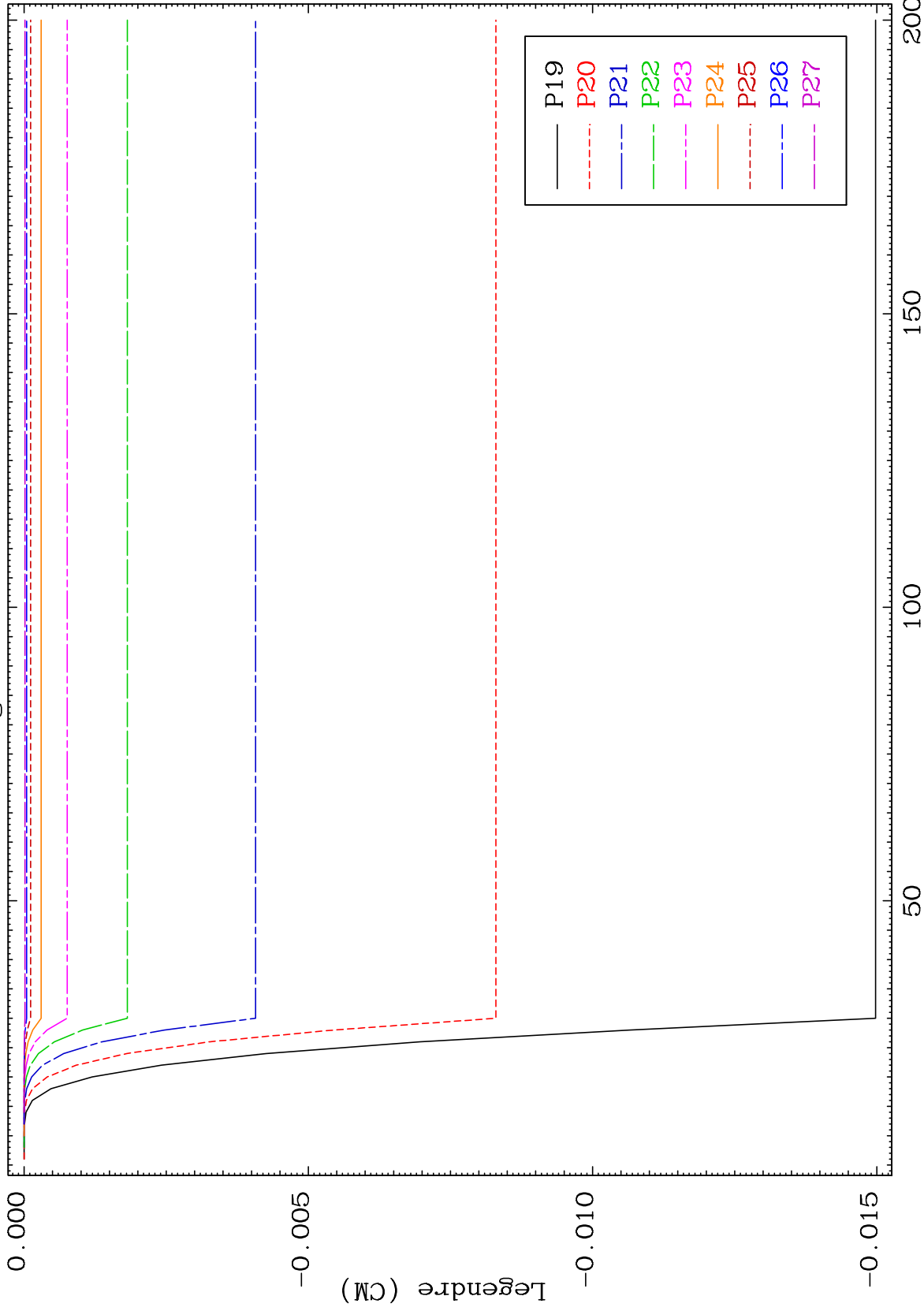
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



77

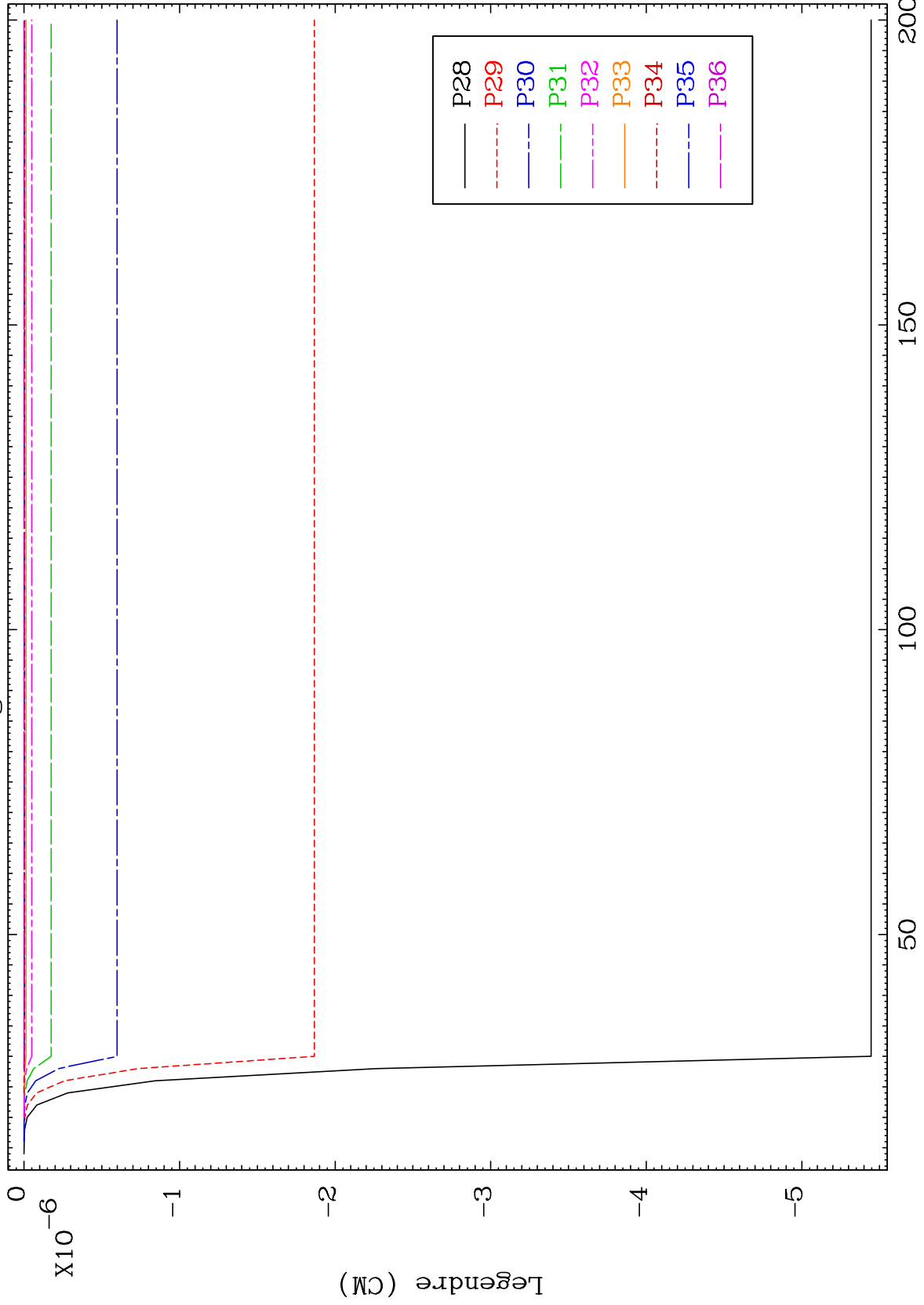
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



78

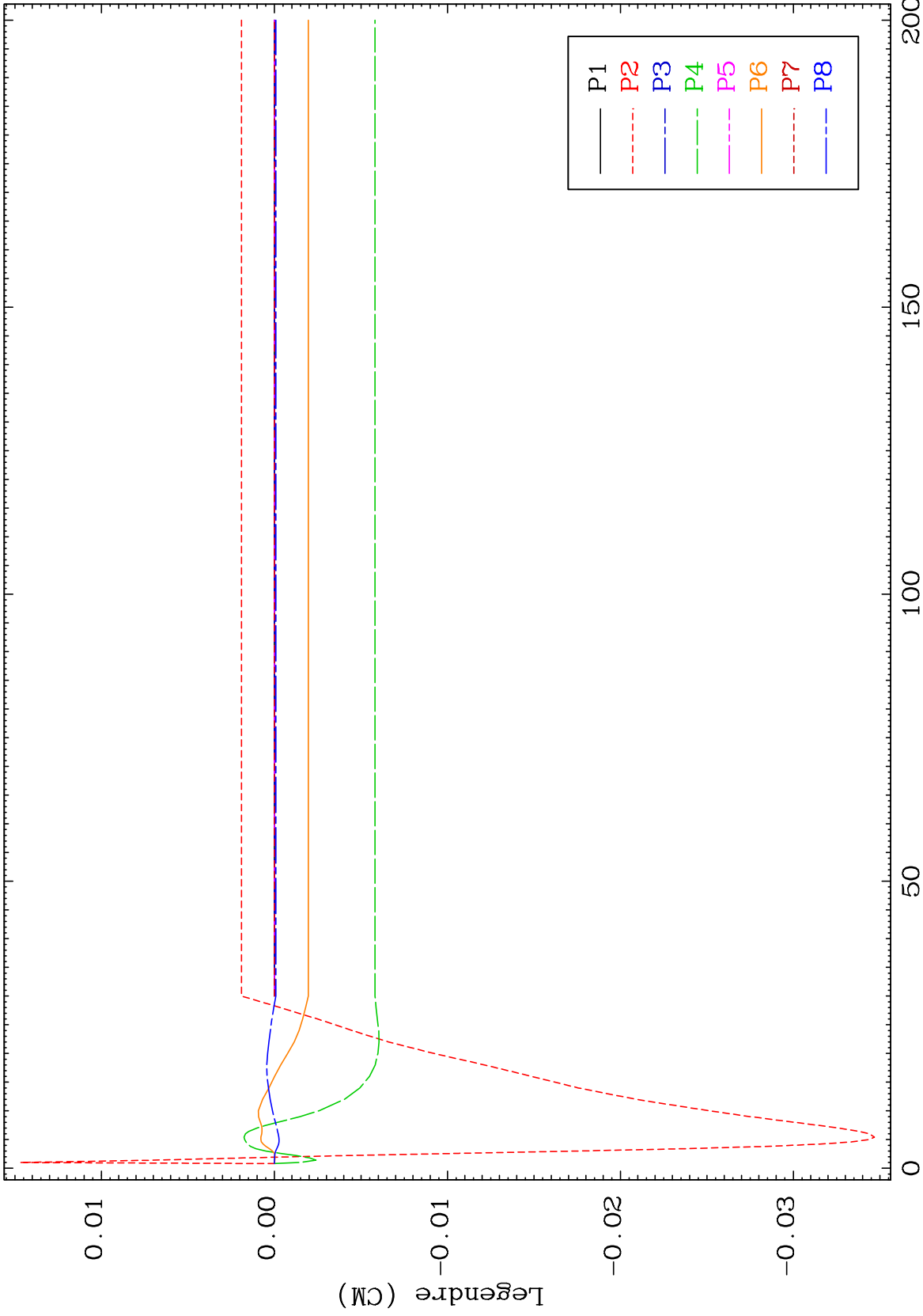
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



79

Incident Energy (MeV)

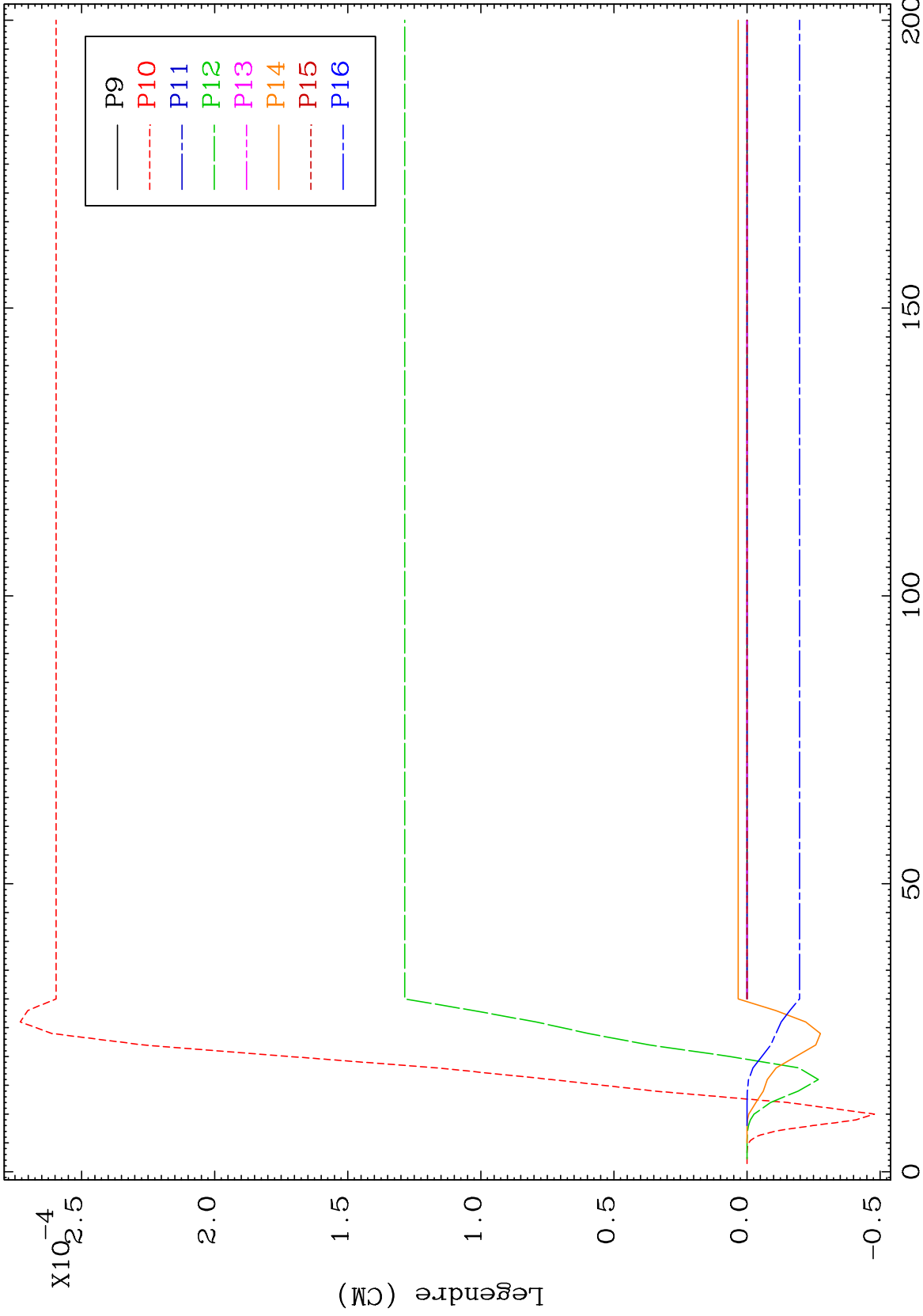
51-Sb-126



MAT 5140

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

51-Sb-126



80

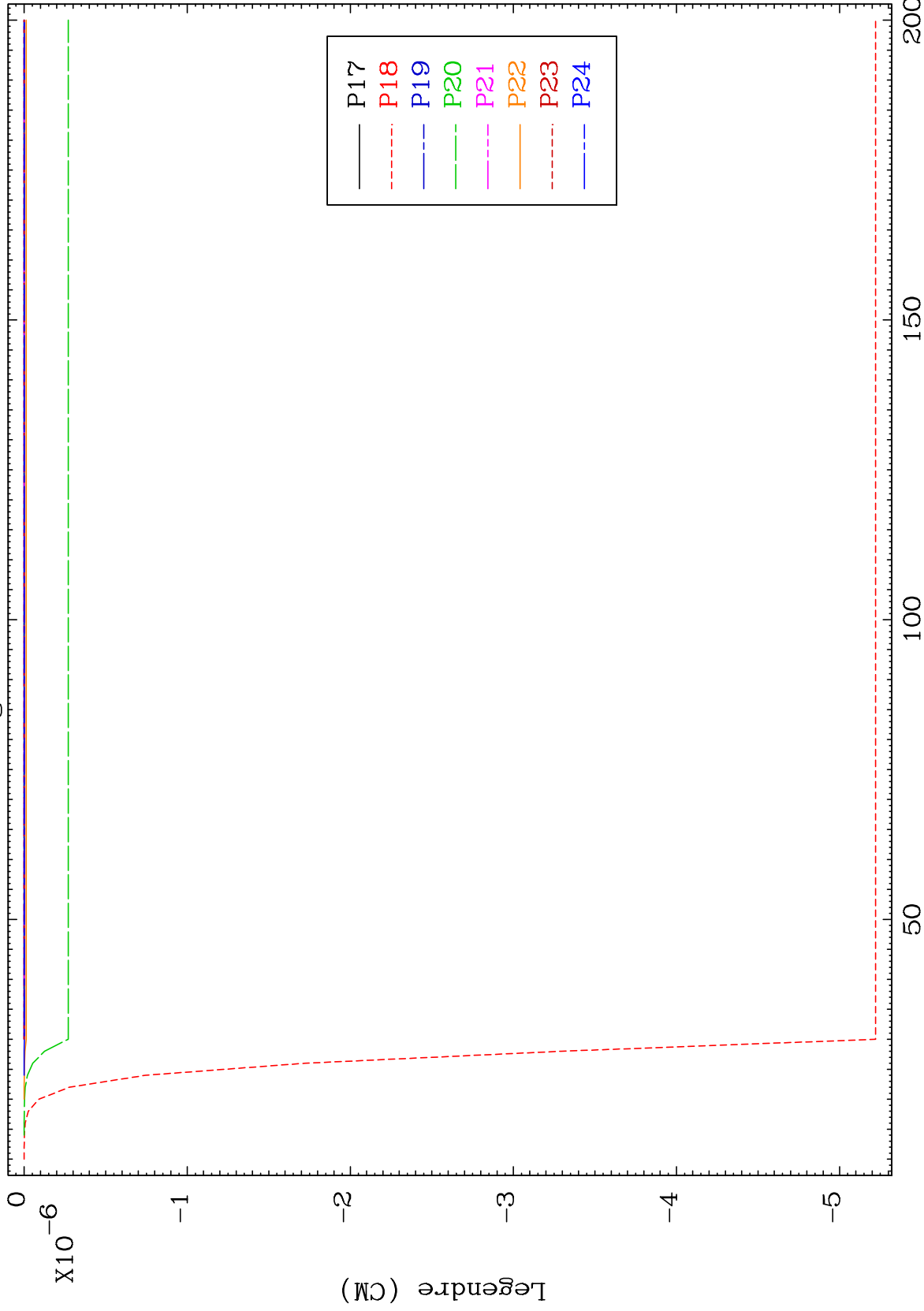
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



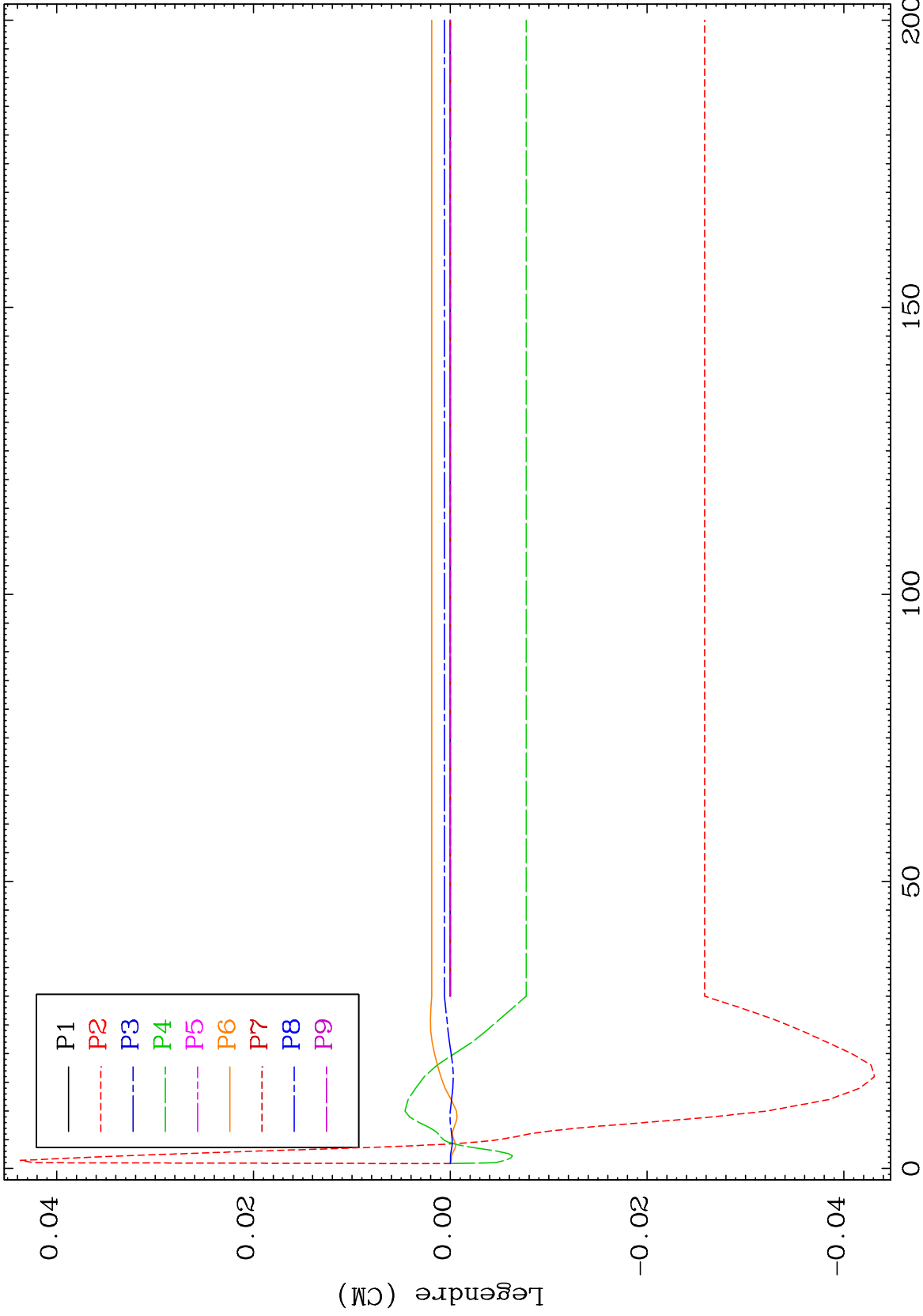
81

51-Sb-126

MAT 5140

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

51-Sb-126



82

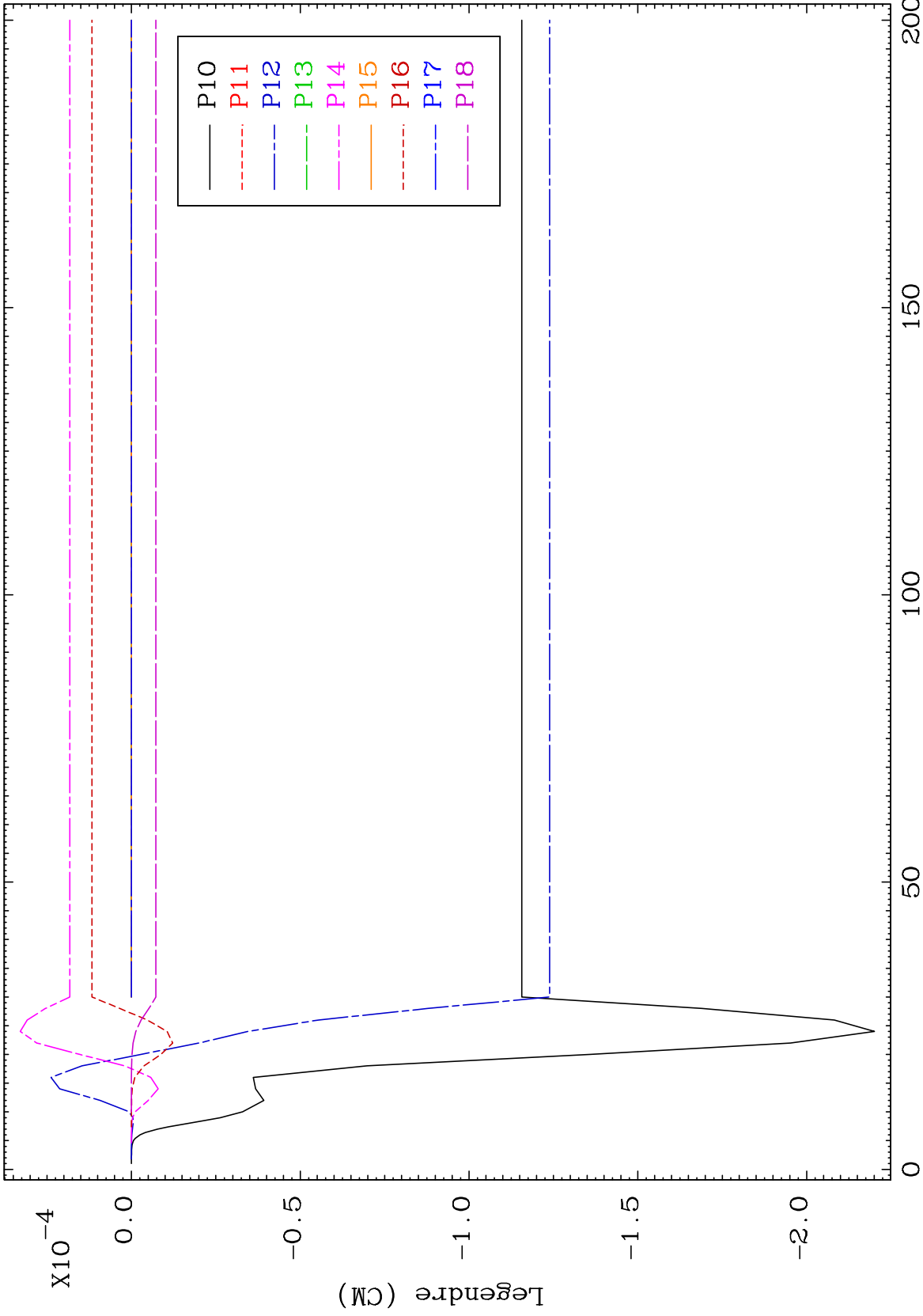
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



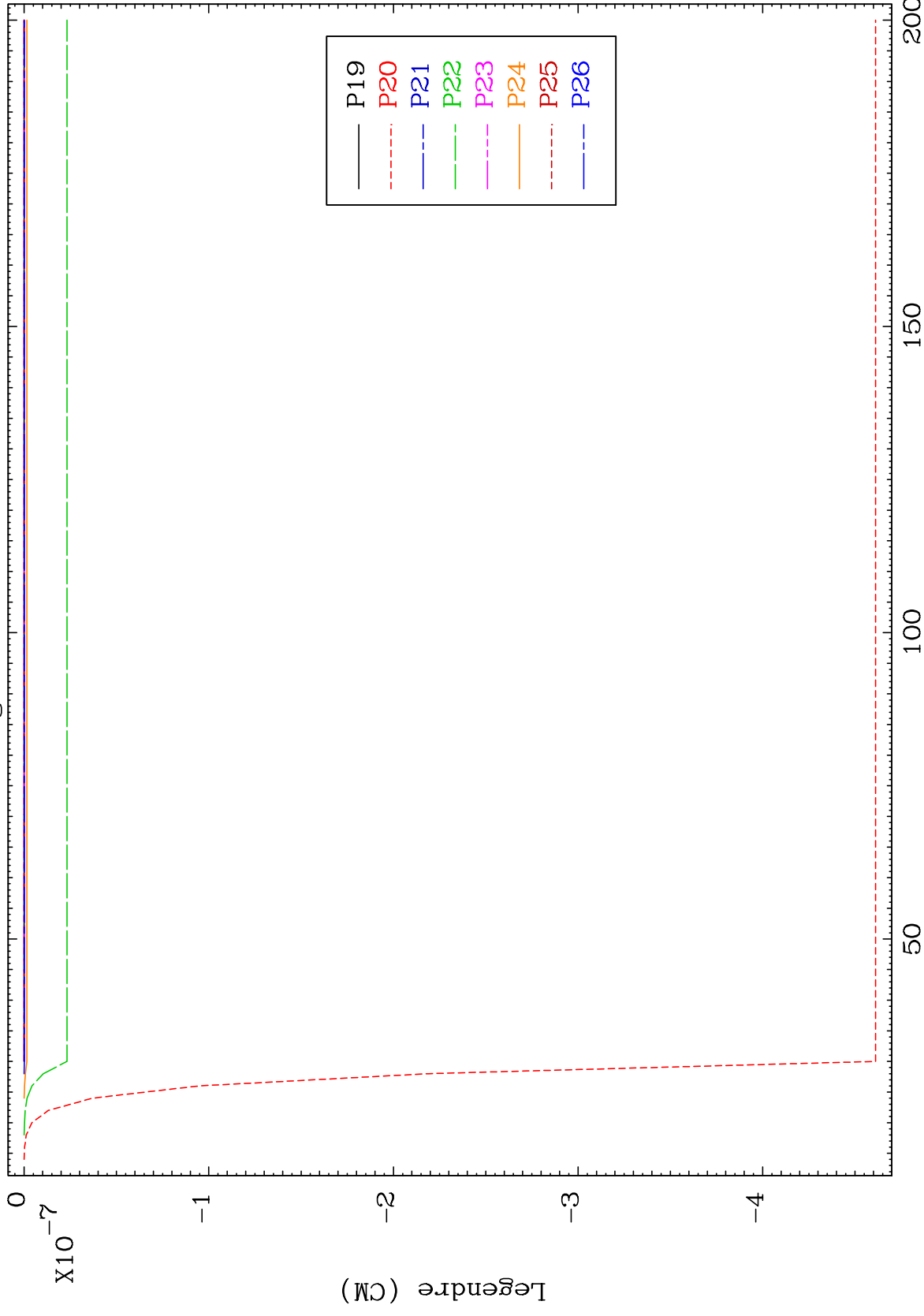
83

51-Sb-126

MAT 5140

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

51-Sb-126



51-Sb-126

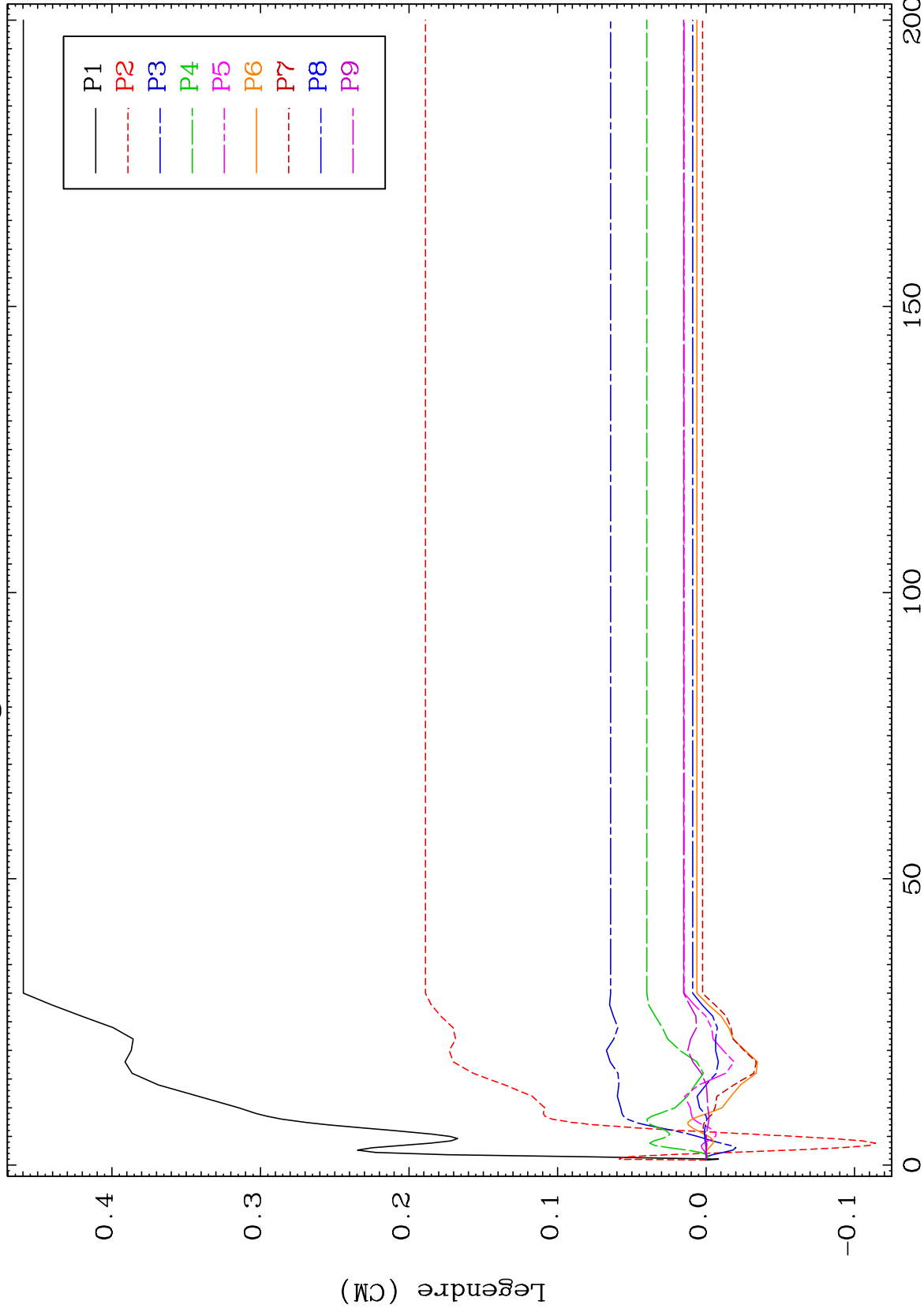
Incident Energy (MeV)

84

MAT 5140

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

51-Sb-126



85

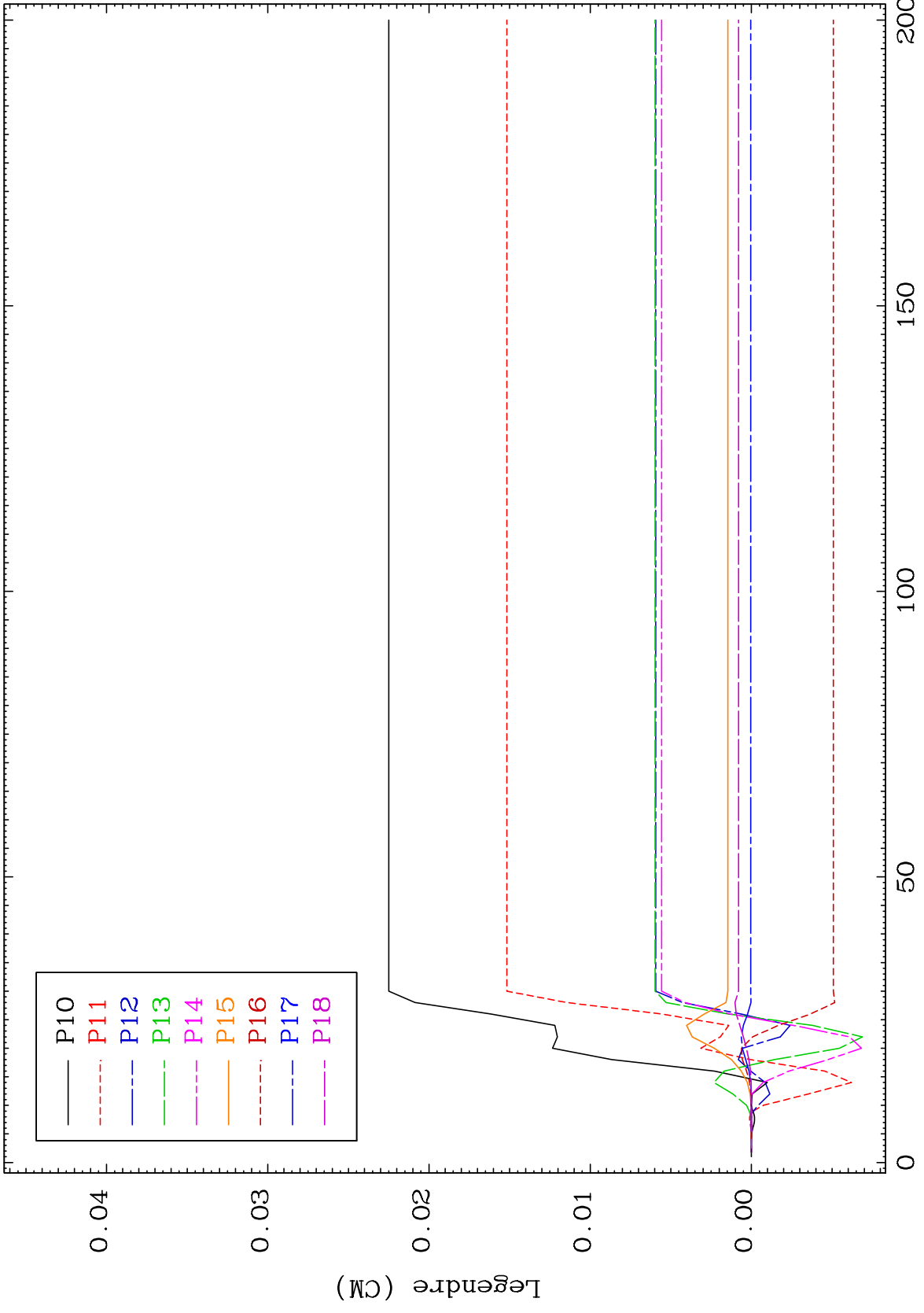
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



86

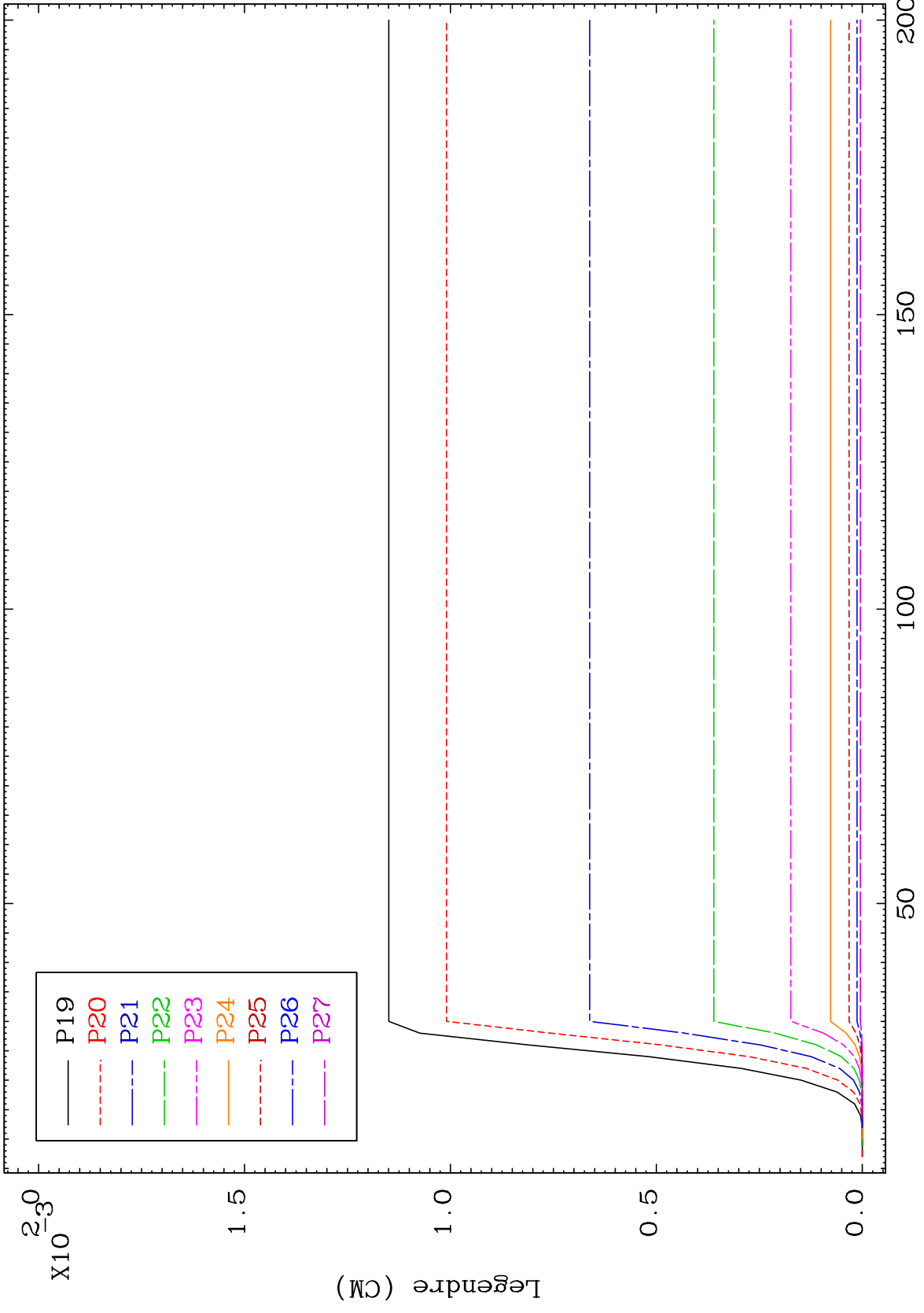
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



87

Incident Energy (MeV)

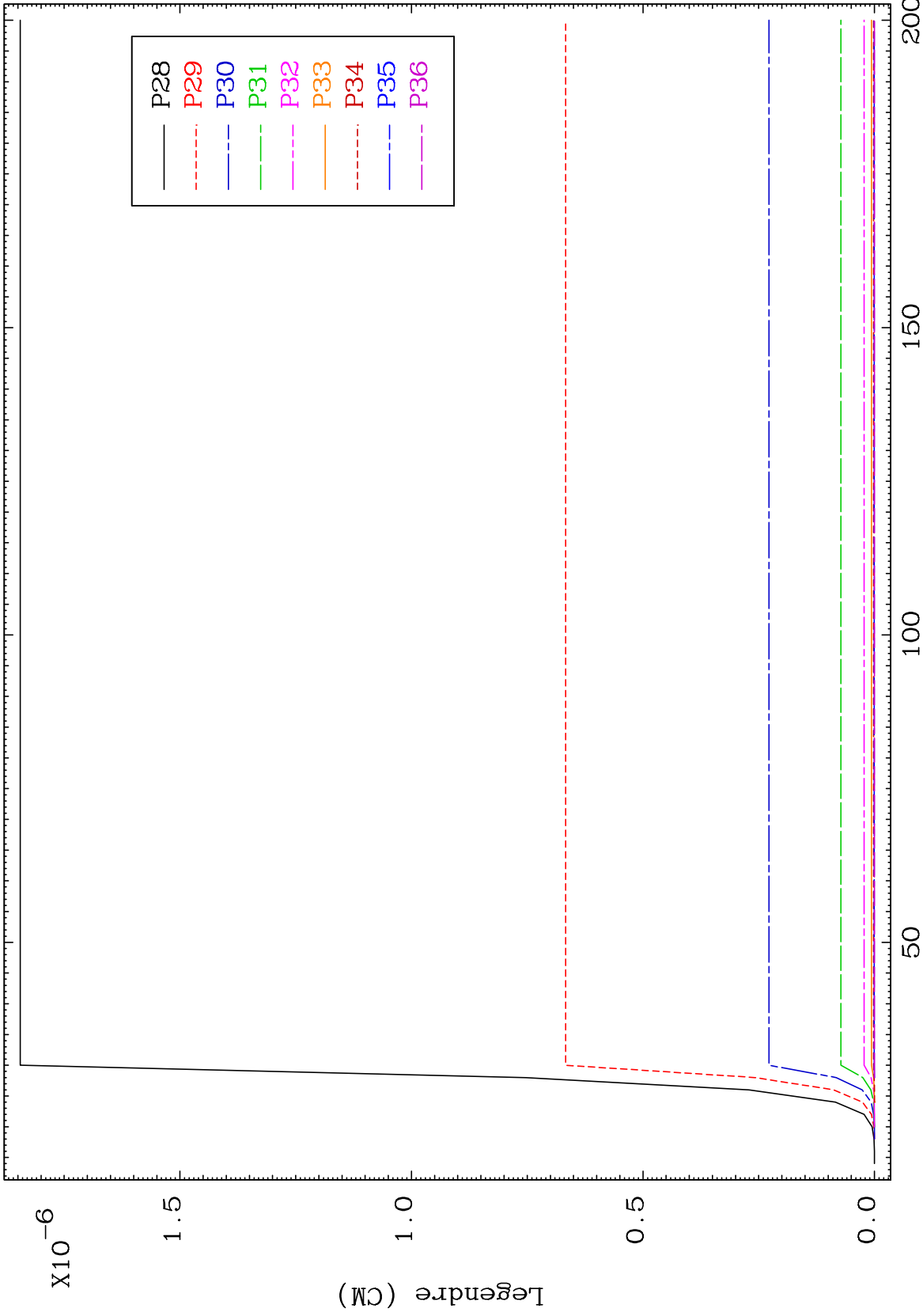
51-Sb-126



MAT 5140

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

51-Sb-126



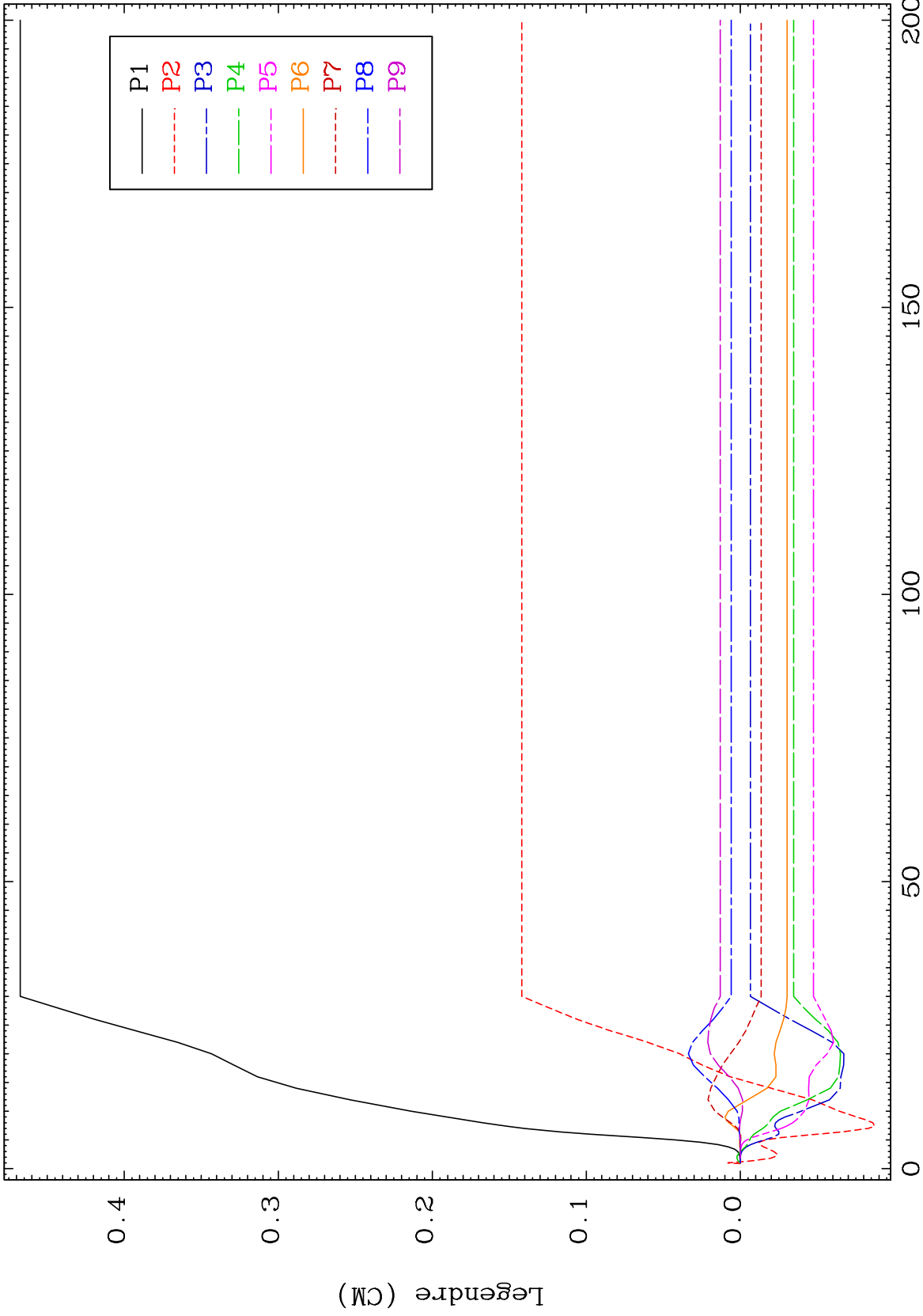
88

51-Sb-126

MAT 5140

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

51-Sb-126



89

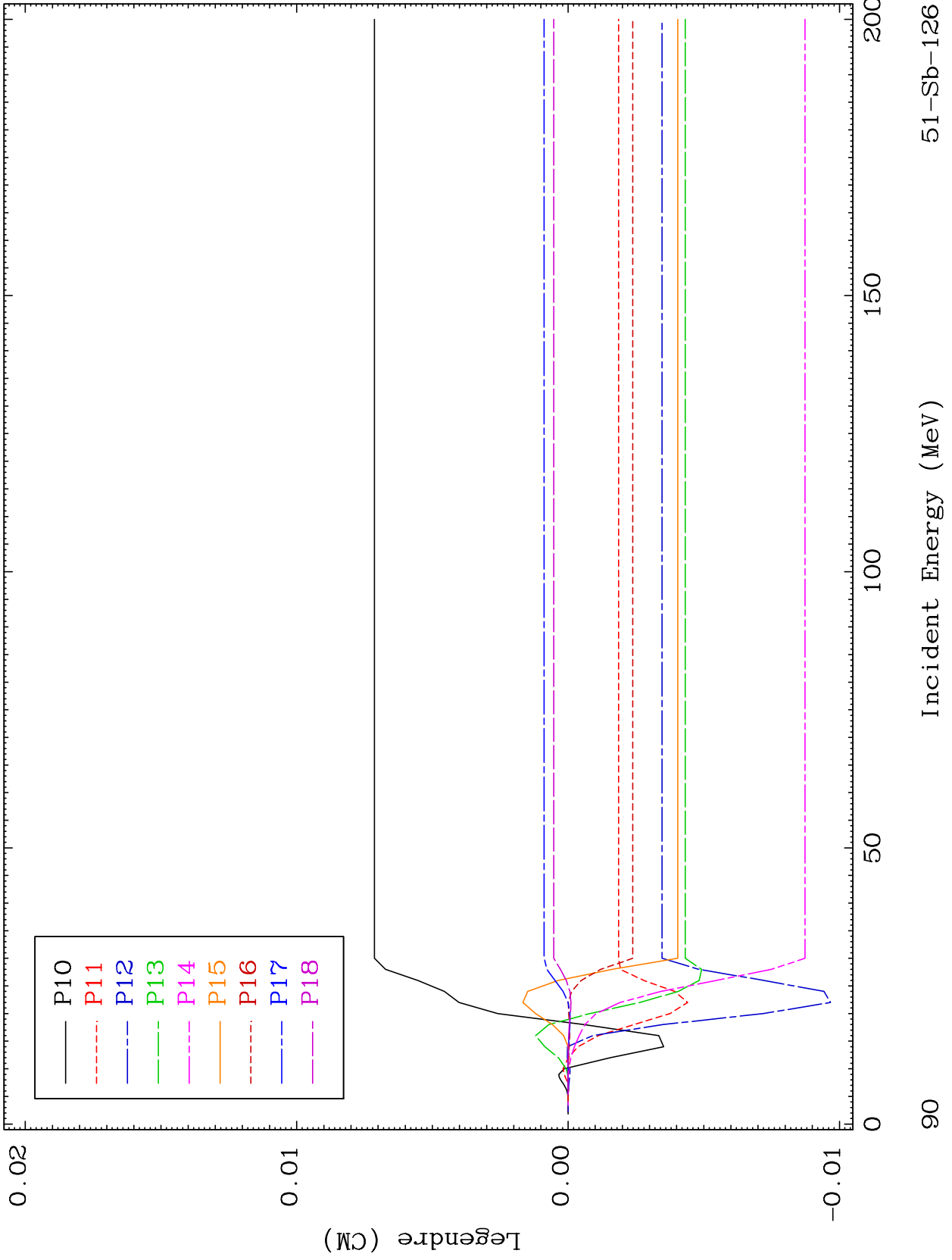
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126

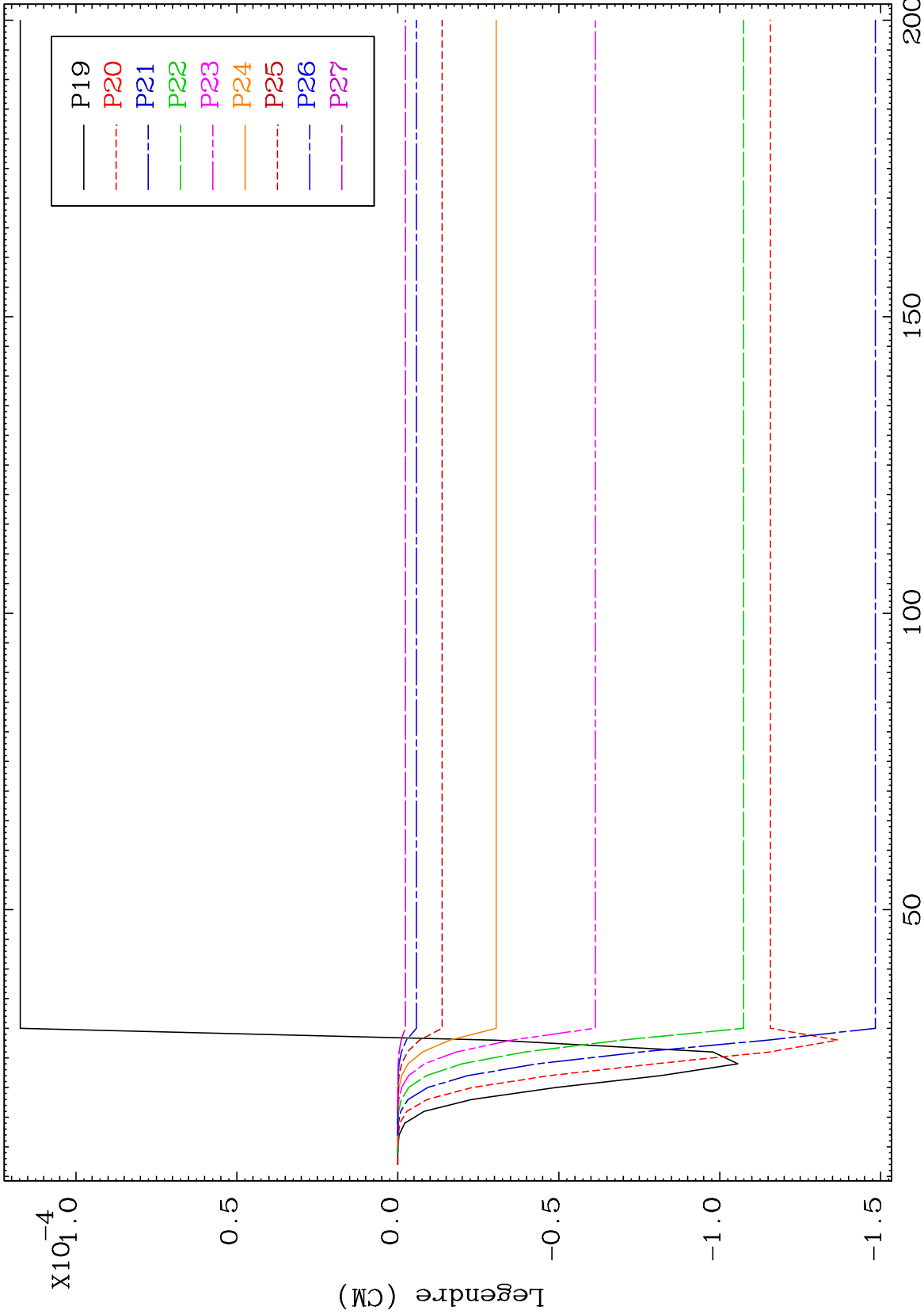


51-Sb-126

MAT 5140

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

51-Sb-126



91

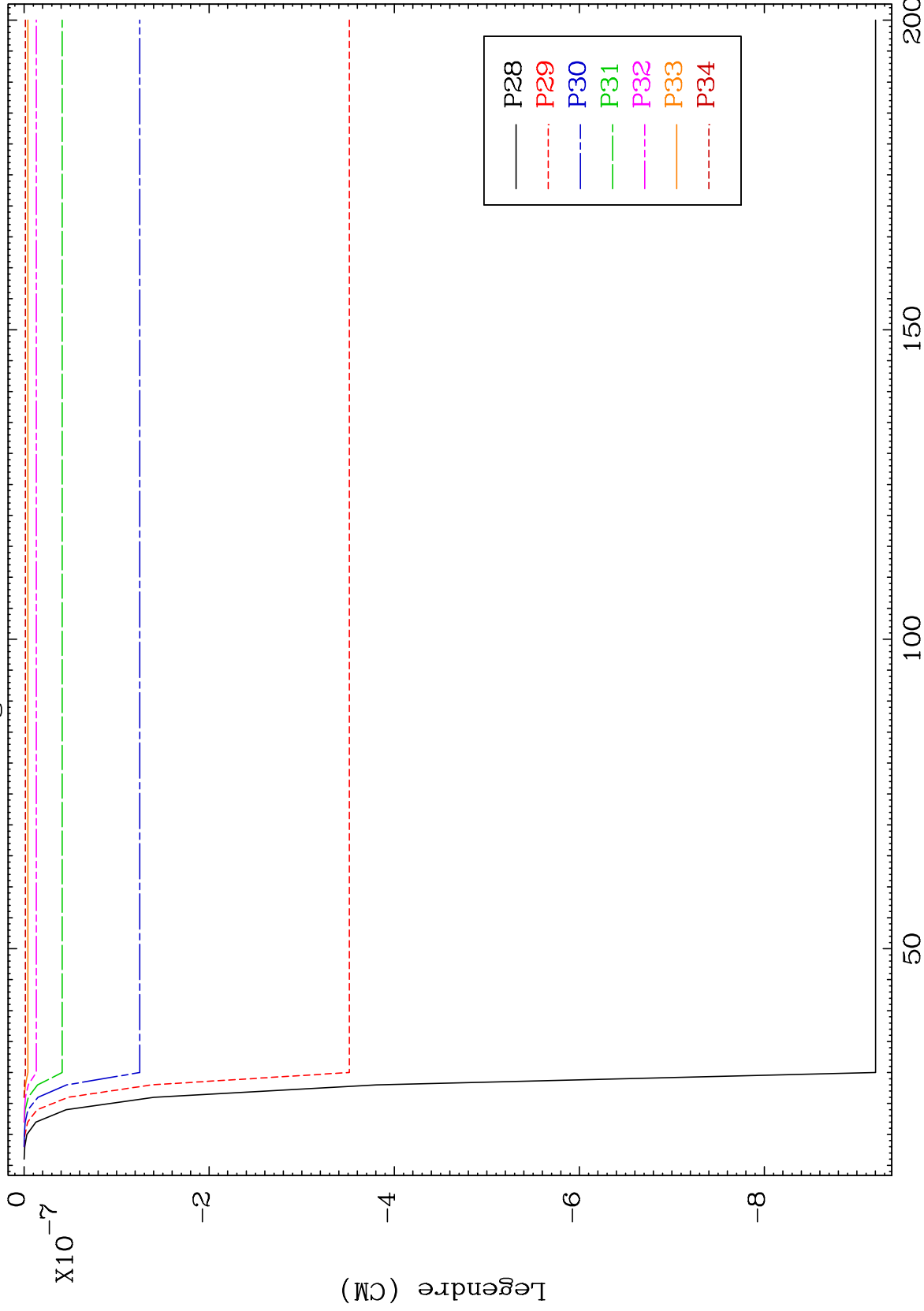
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



92

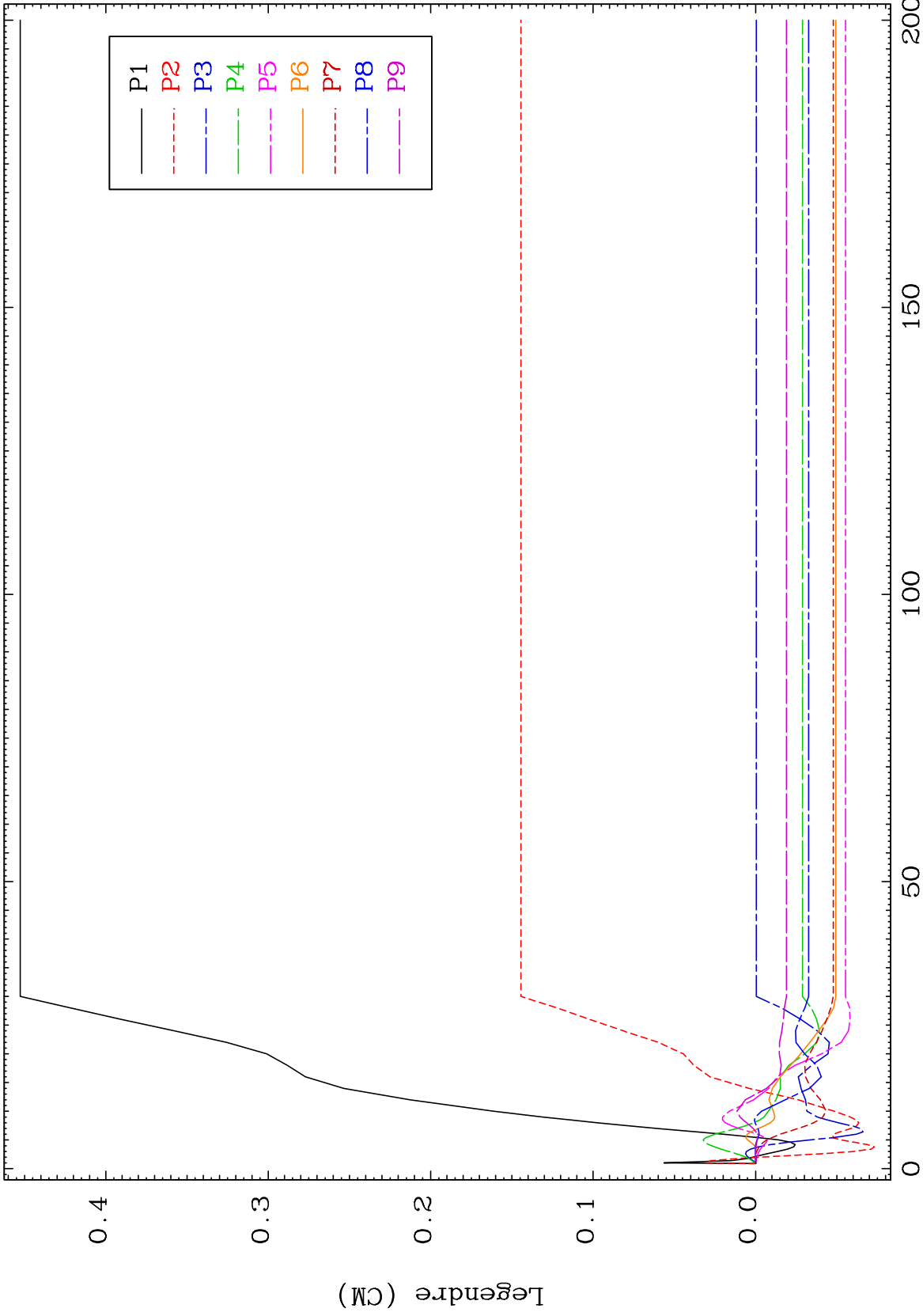
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



93

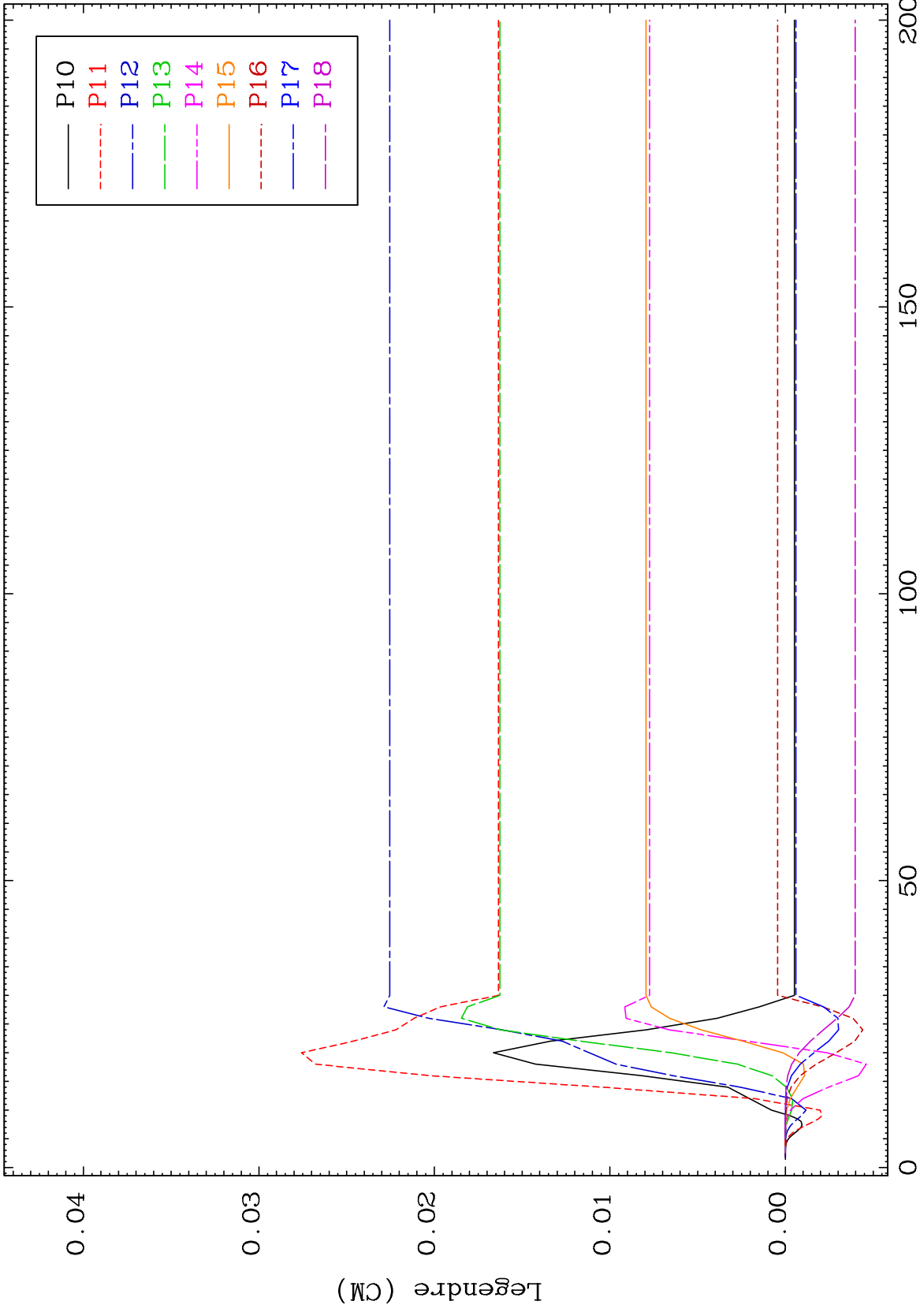
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



94

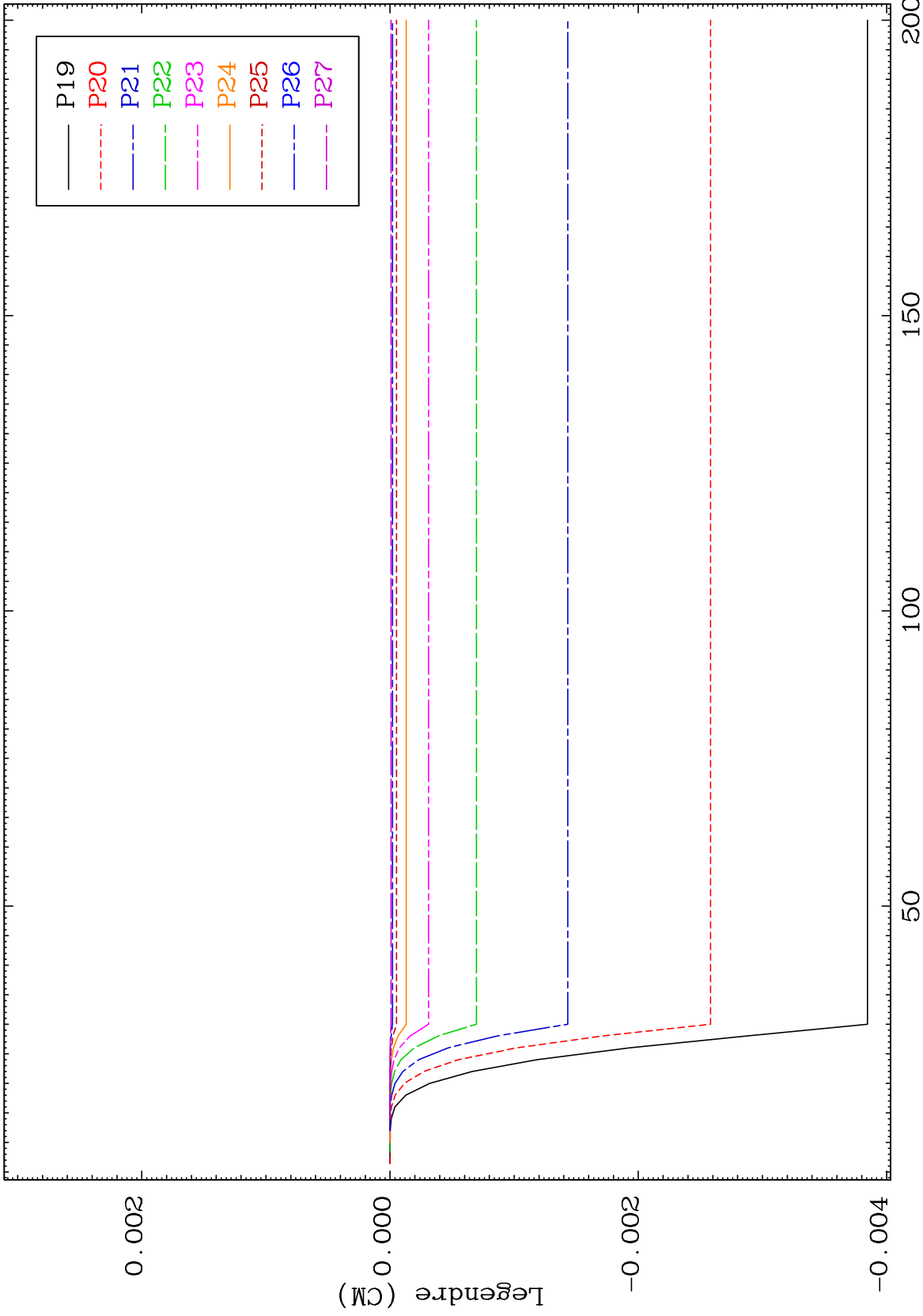
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



95

Incident Energy (MeV)

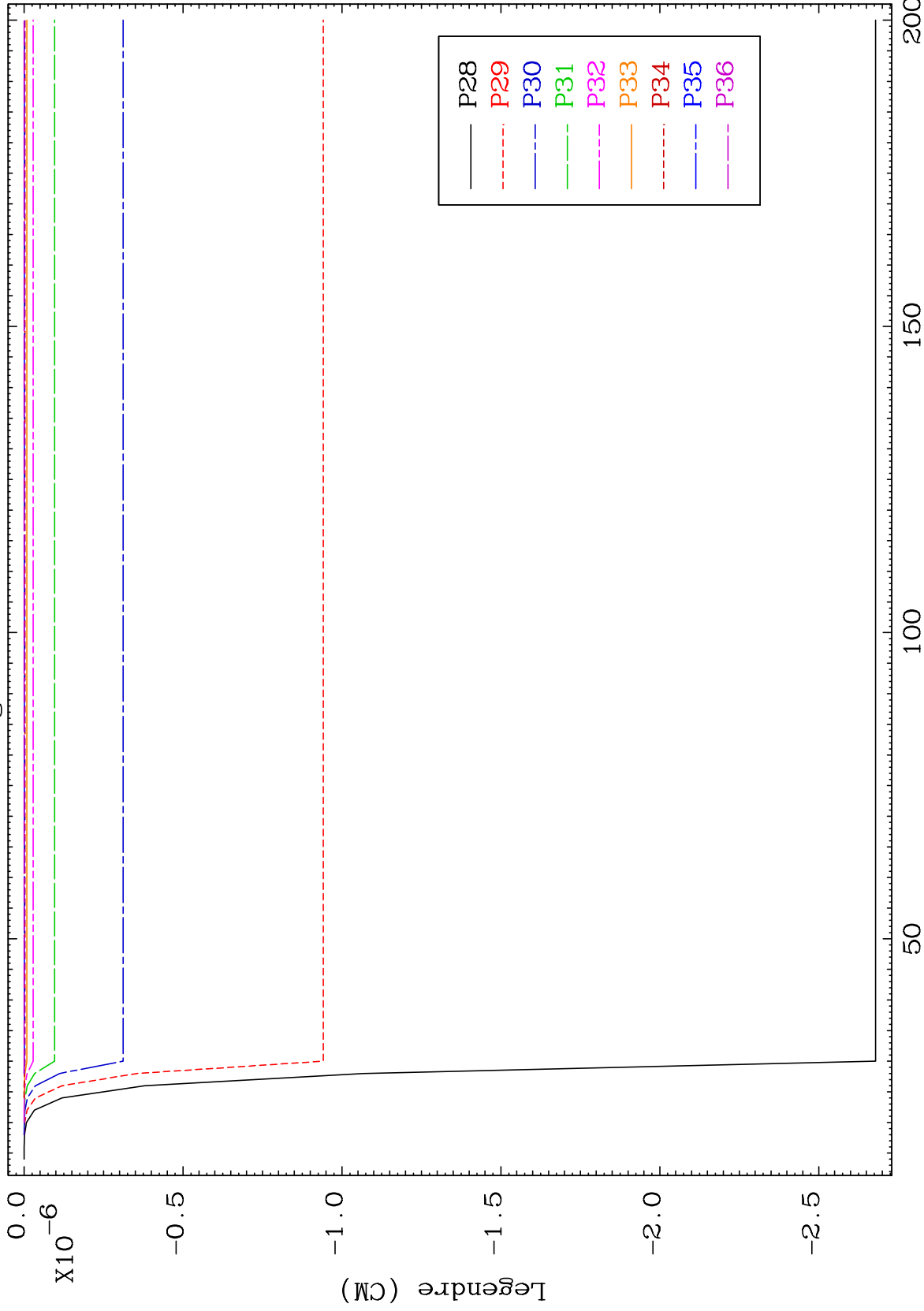
51-Sb-126



MAT 5140

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

51-Sb-126



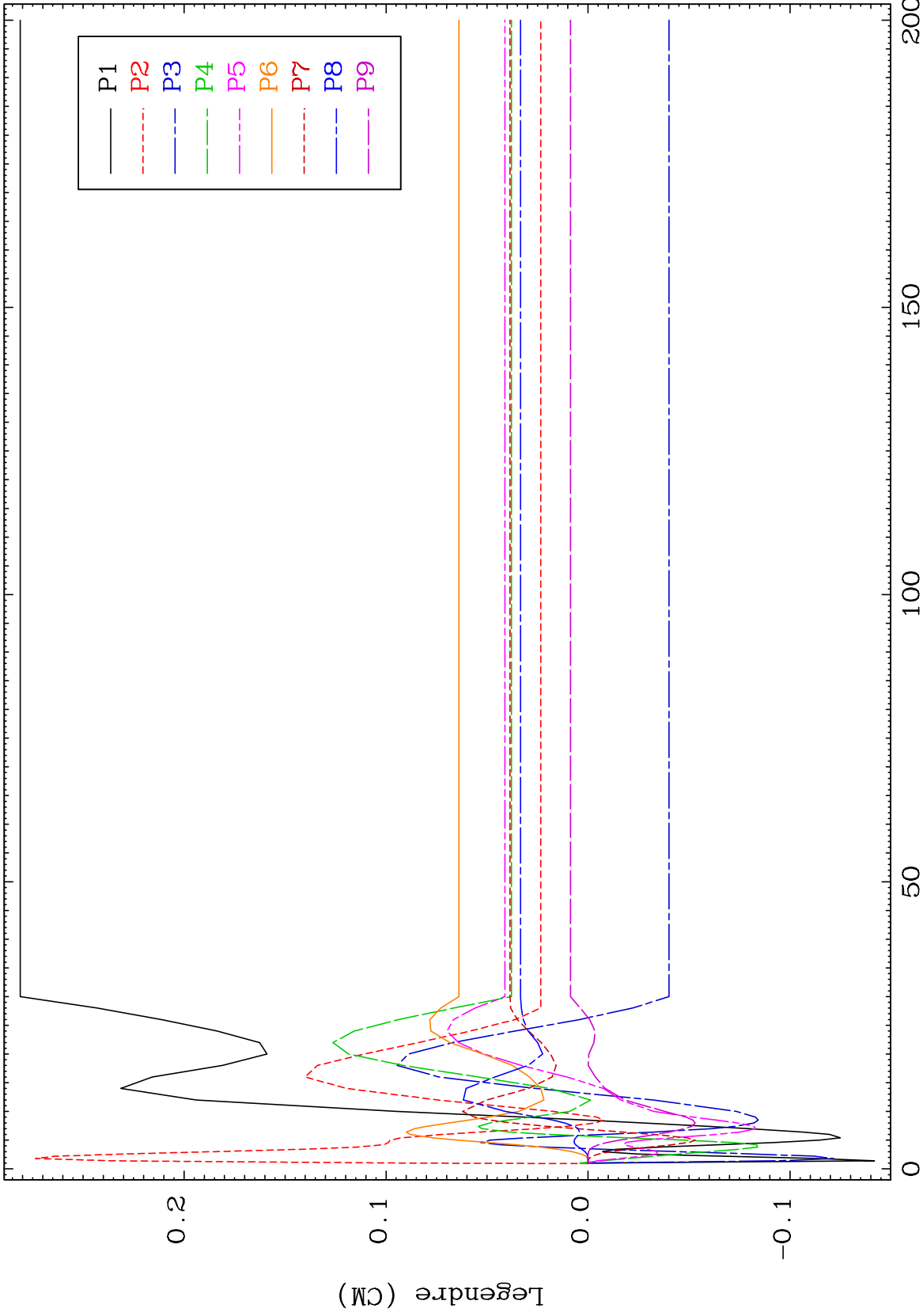
96

51-Sb-126

MAT 5140

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

51-Sb-126



97

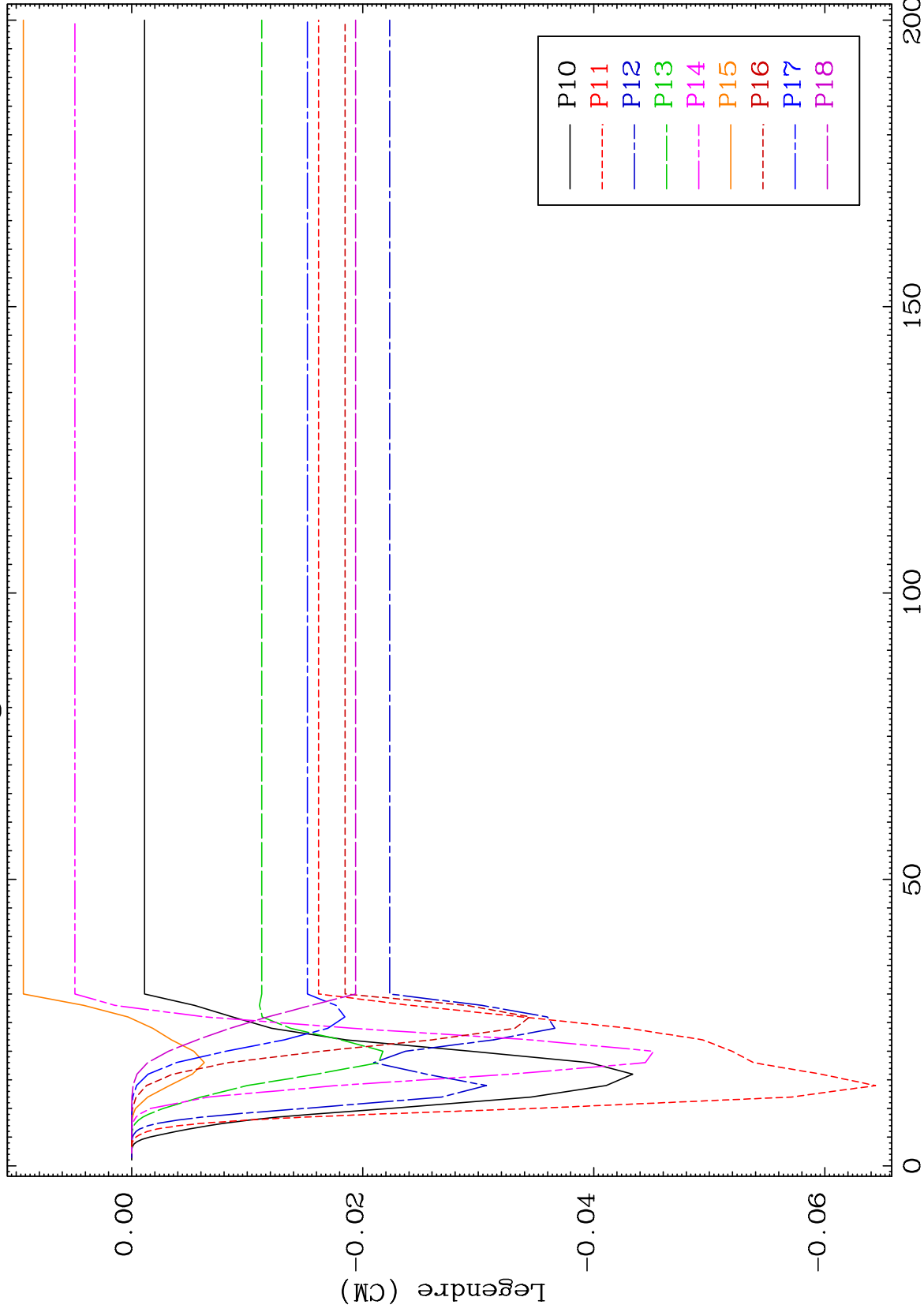
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



98

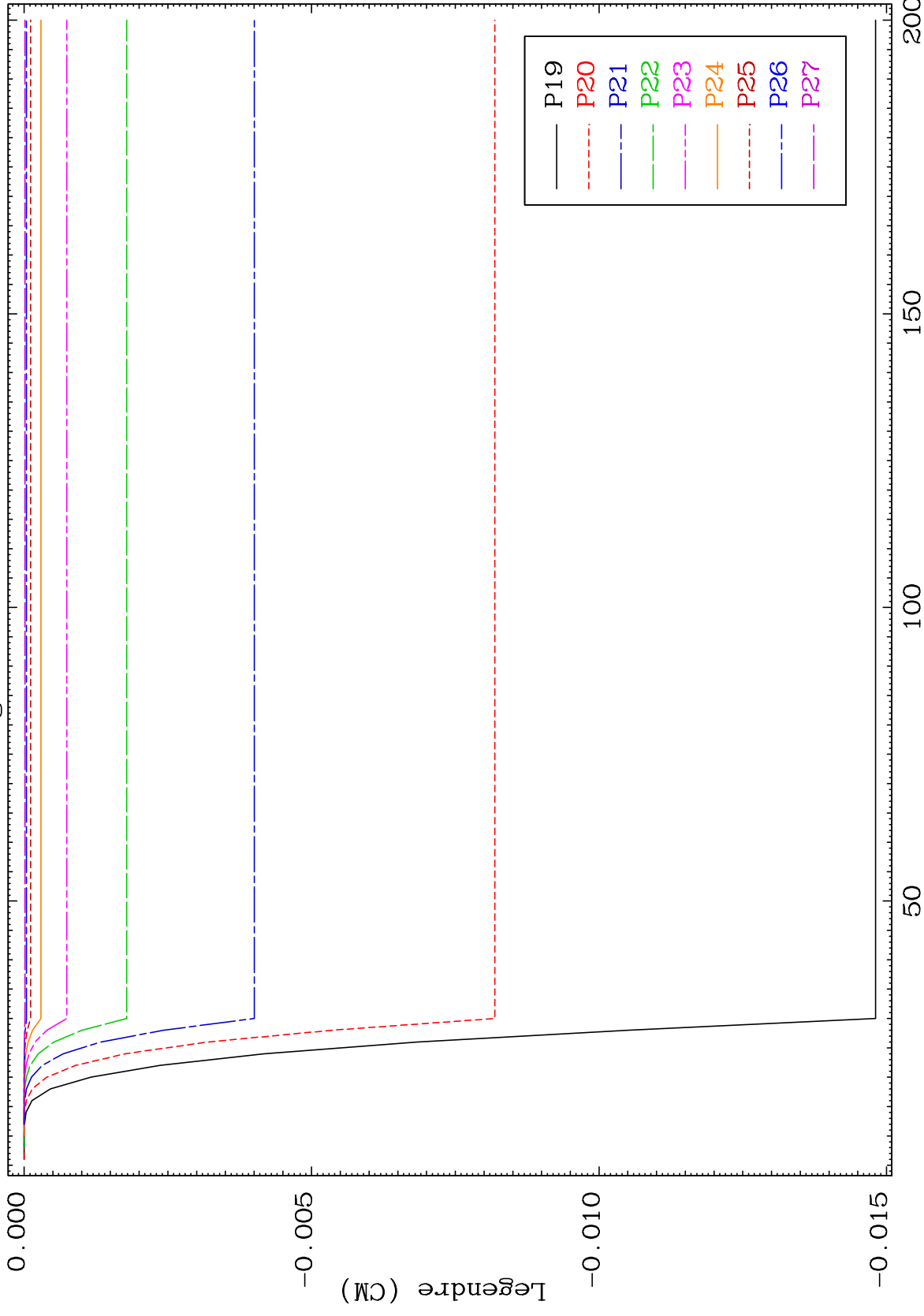
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



51-Sb-126

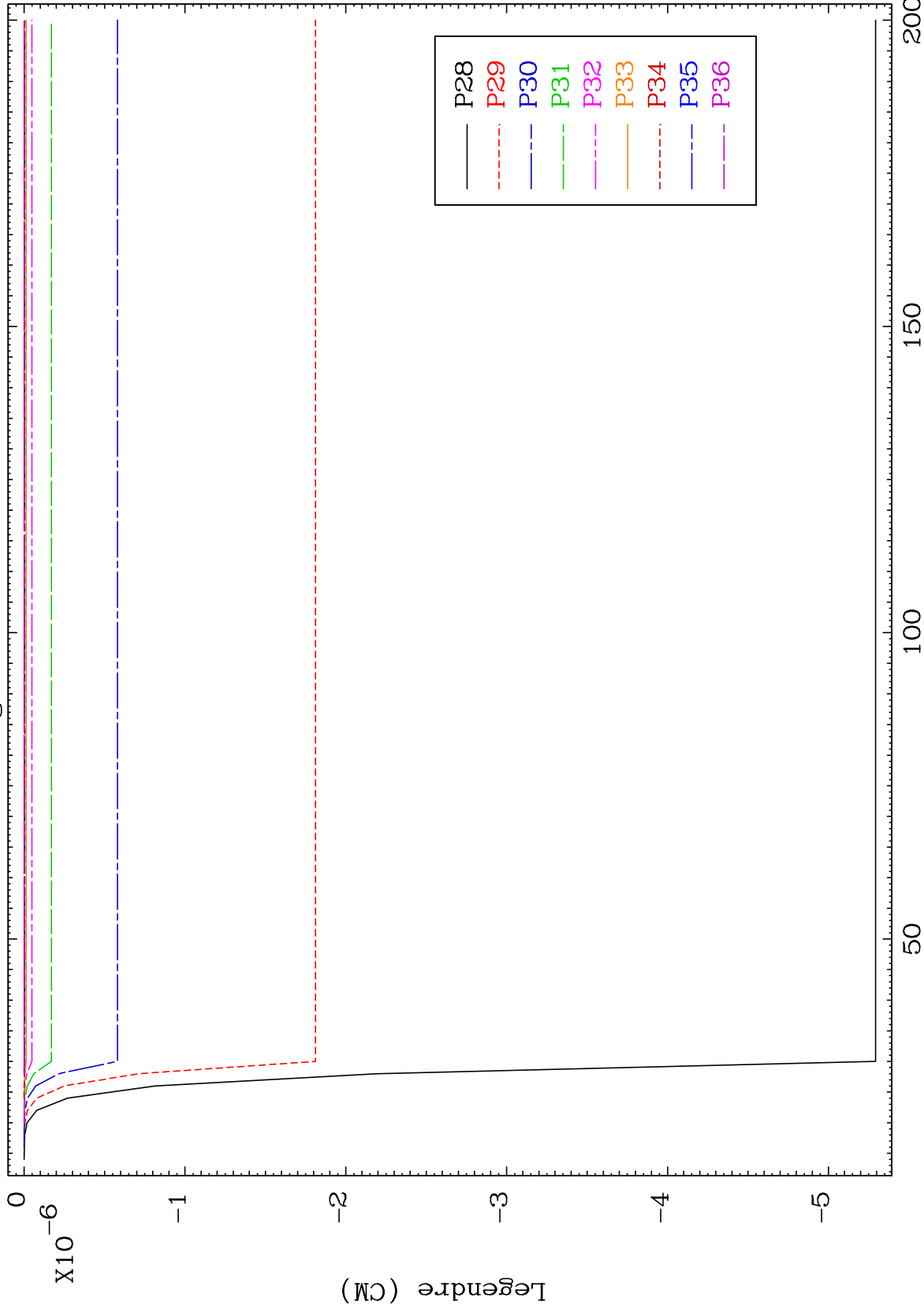
Incident Energy (MeV)

99

MAT 5140

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

51-Sb-126



51-Sb-126

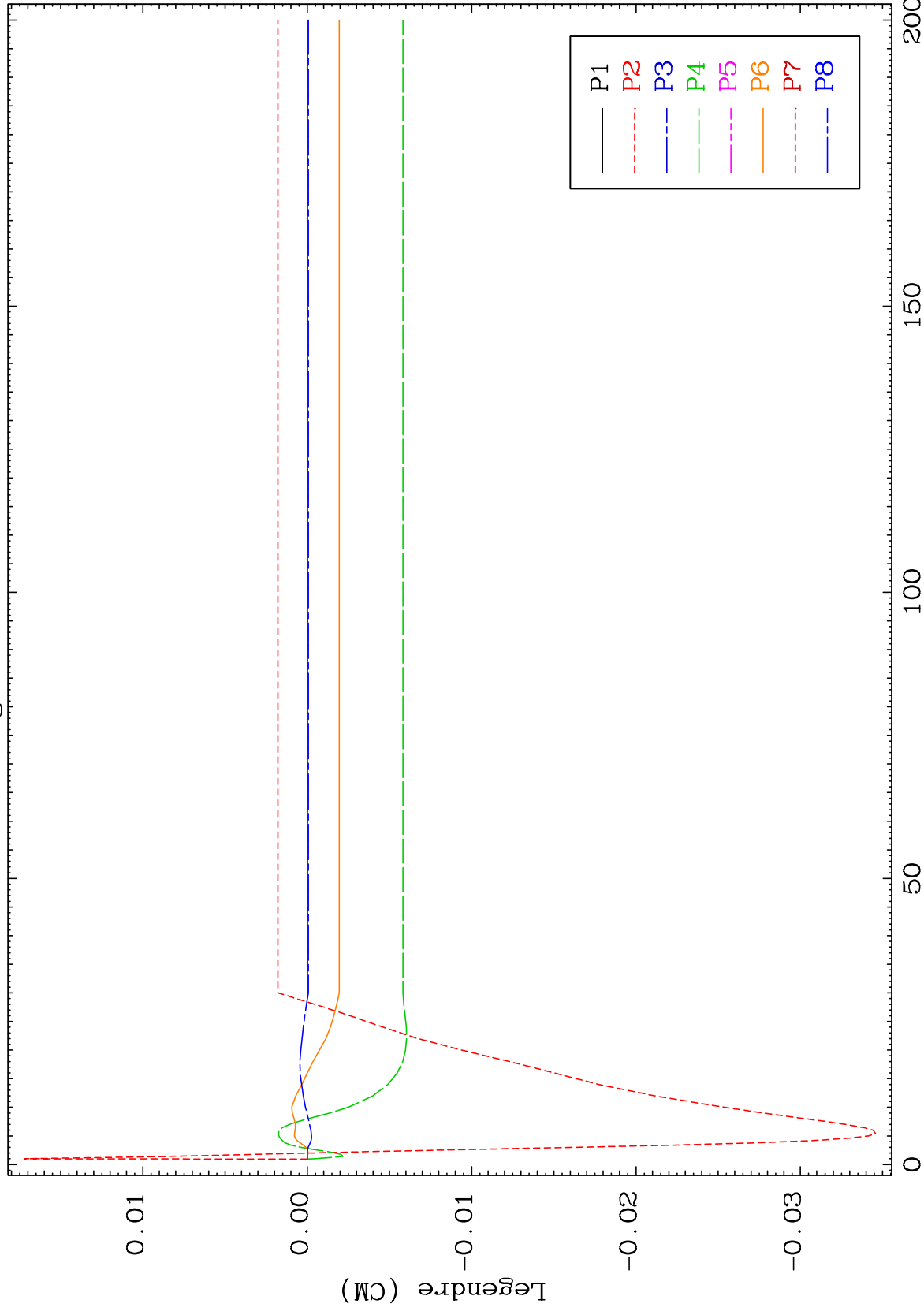
Incident Energy (MeV)

Legendre (CM)

MAT 5140

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

51-Sb-126



51-Sb-126

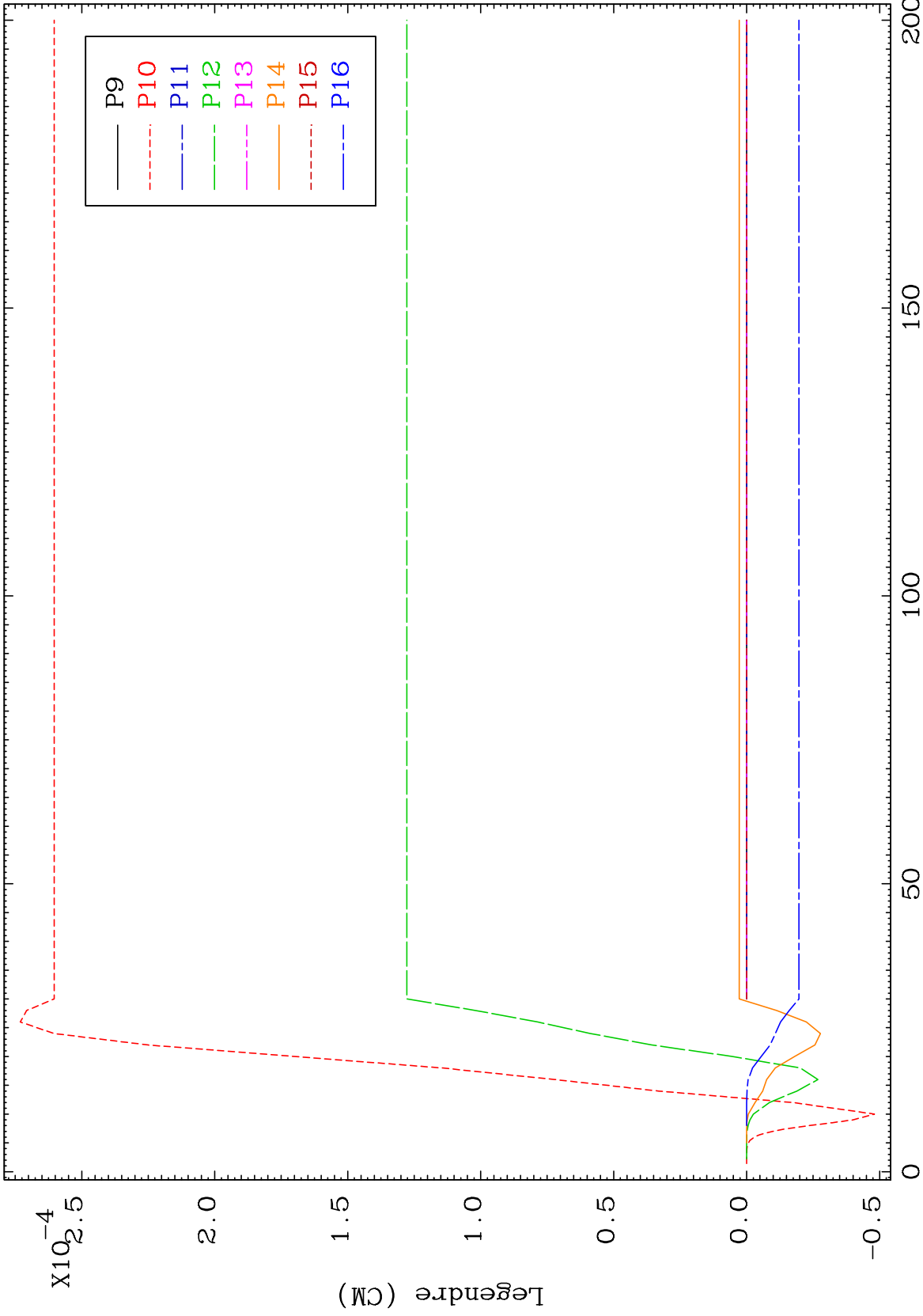
Incident Energy (MeV)

101

MAT 5140

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

51-Sb-126



102

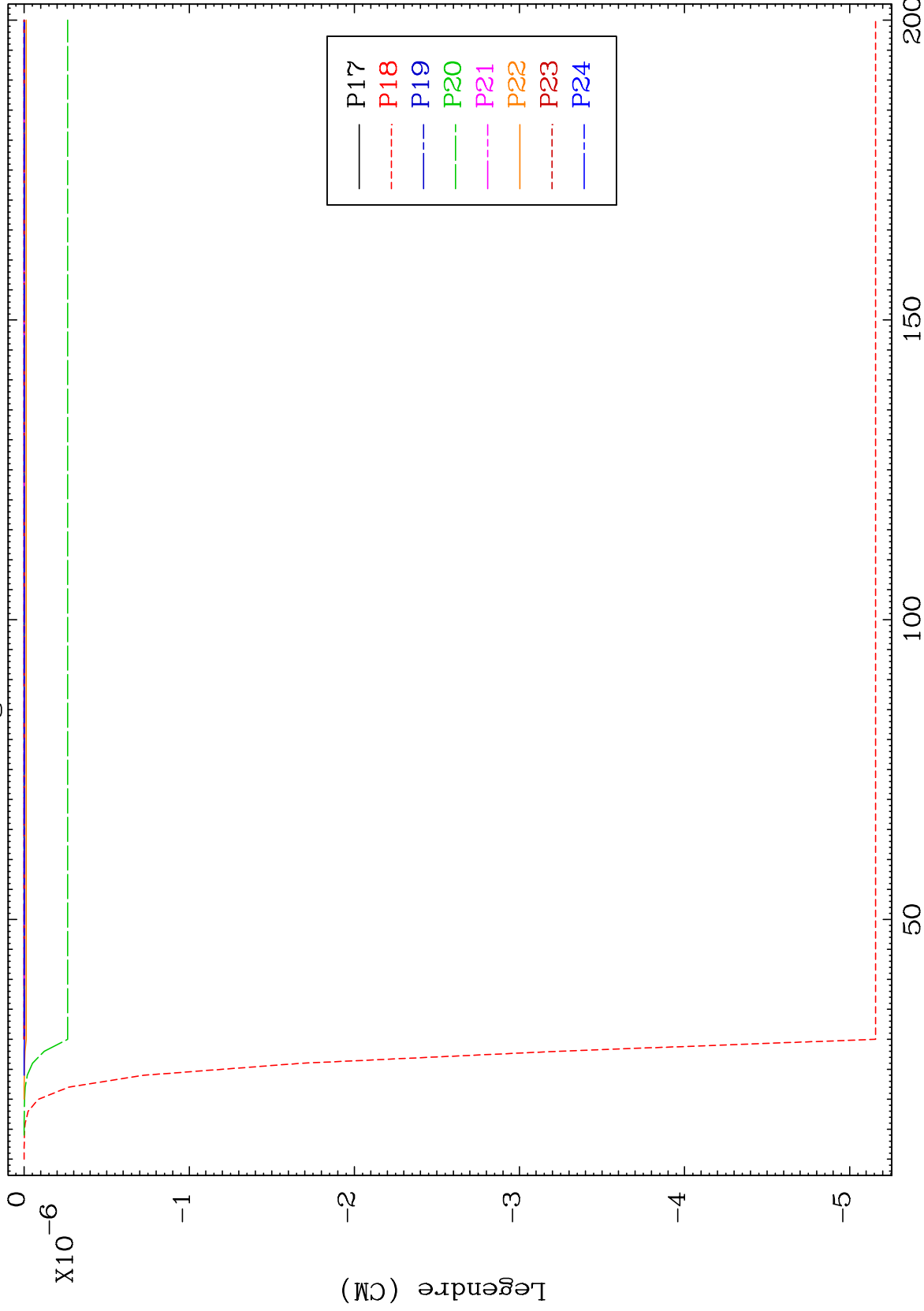
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



103

Incident Energy (MeV)

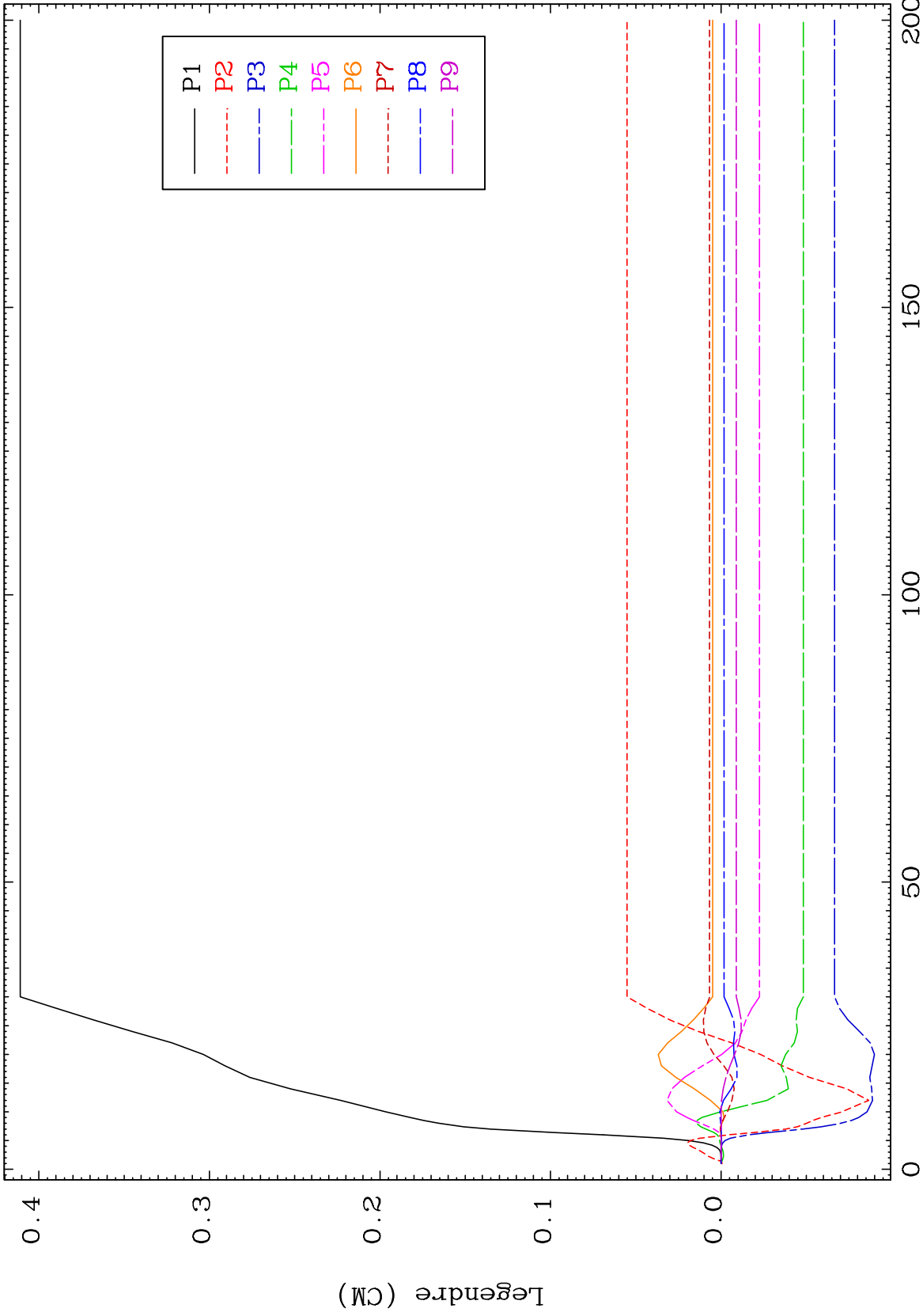
51-Sb-126



MAT 5140

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

51-Sb-126



104

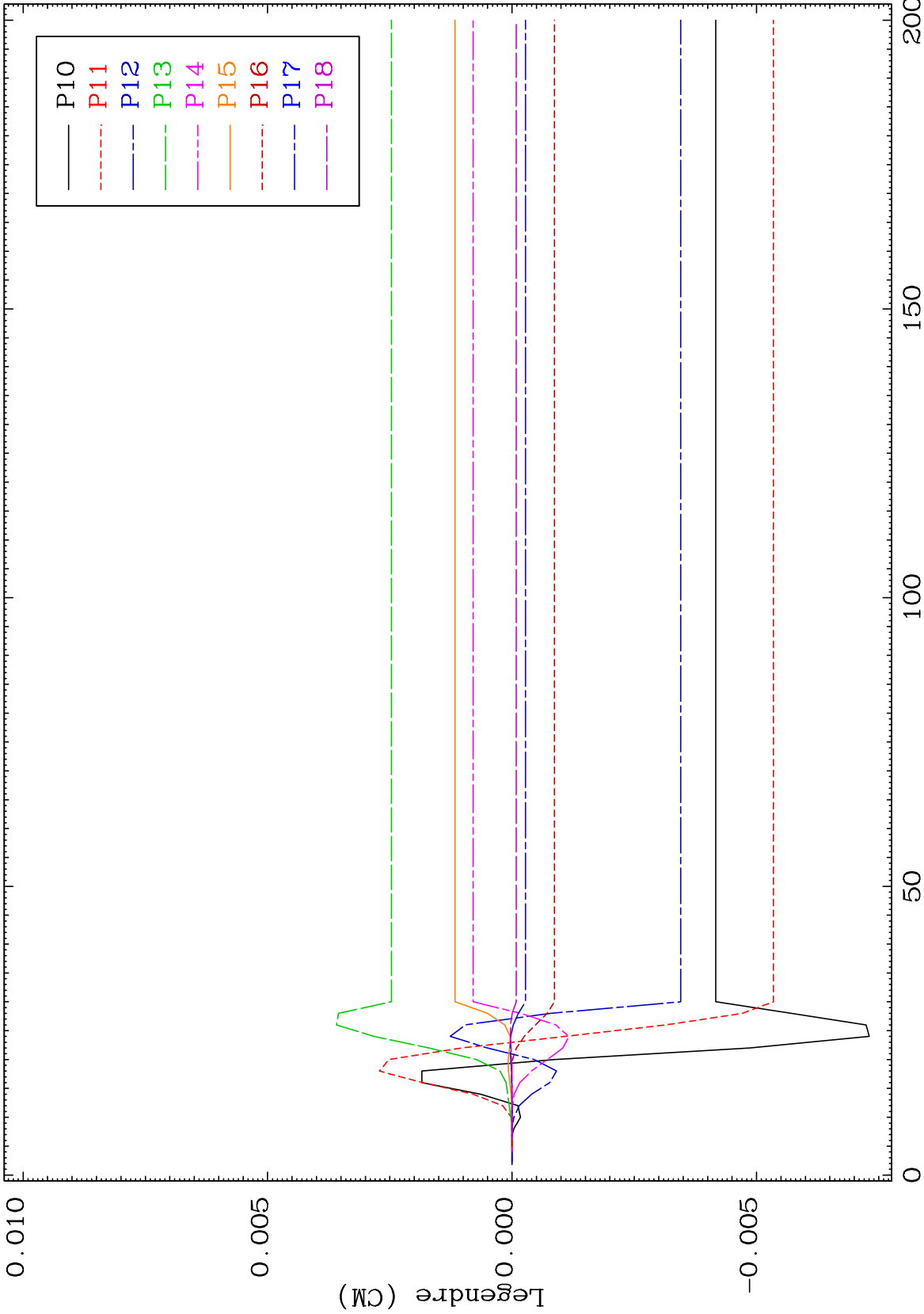
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



105

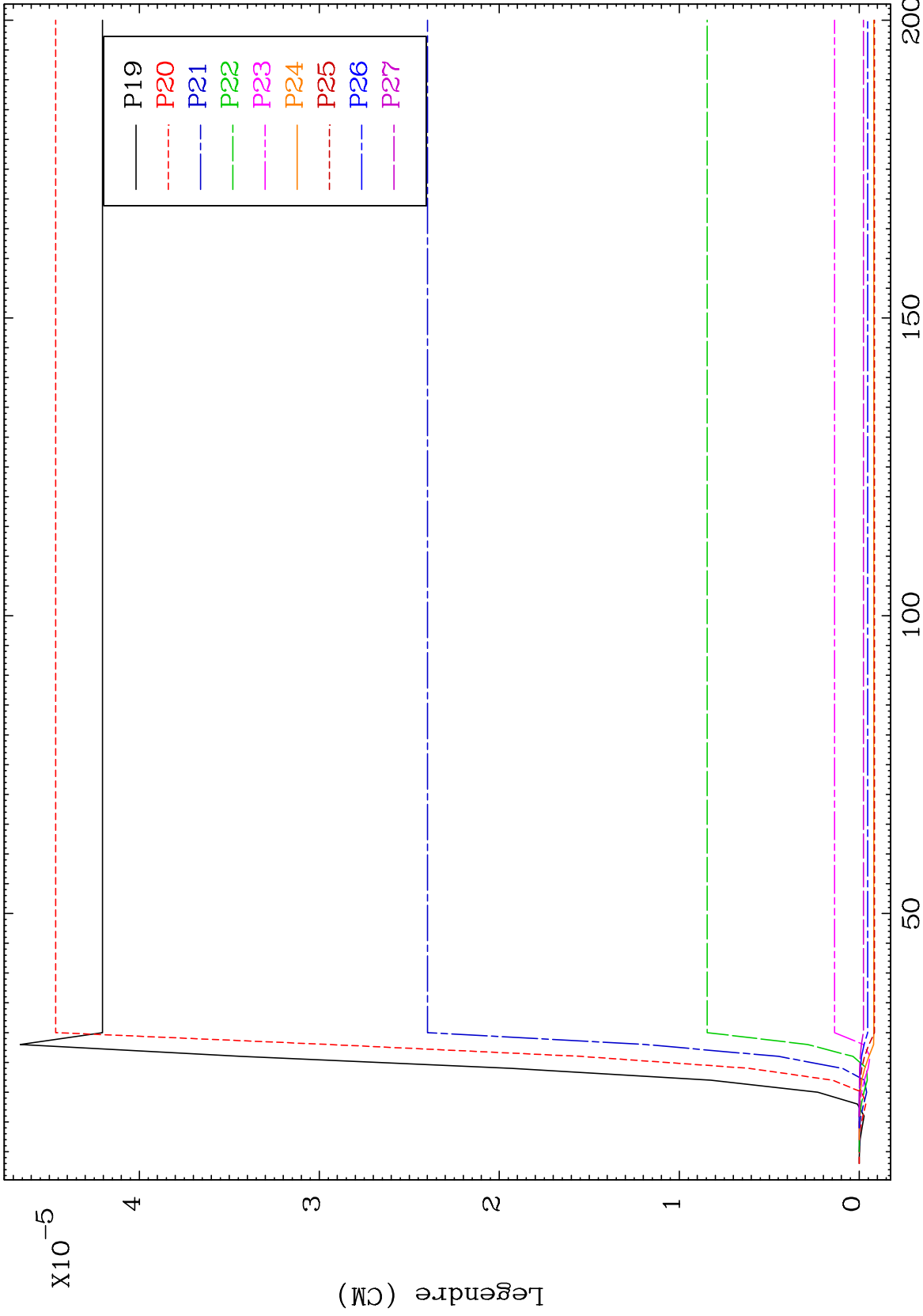
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



106

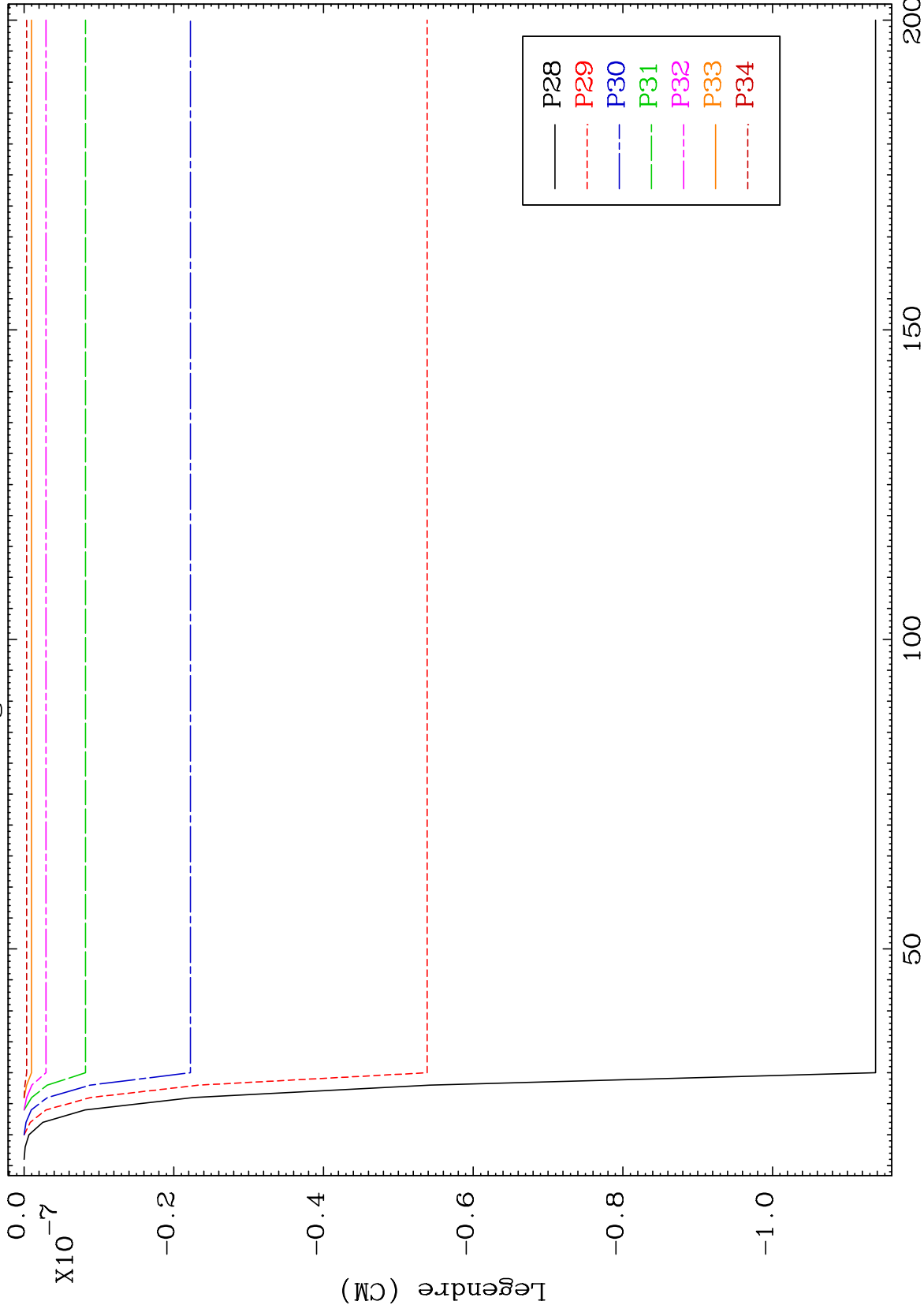
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



51-Sb-126

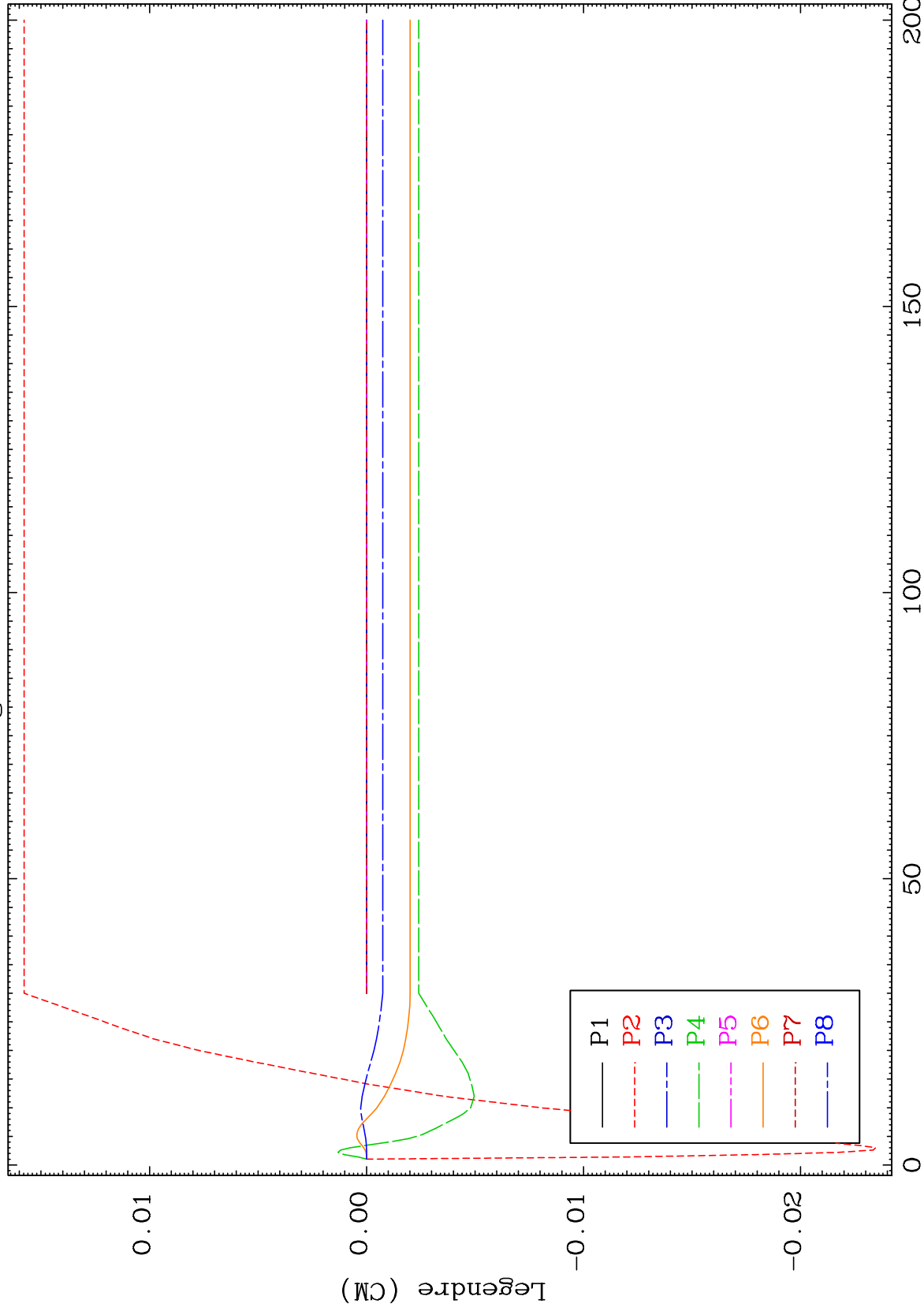
Incident Energy (MeV)

107

MAT 5140

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

51-Sb-126



108

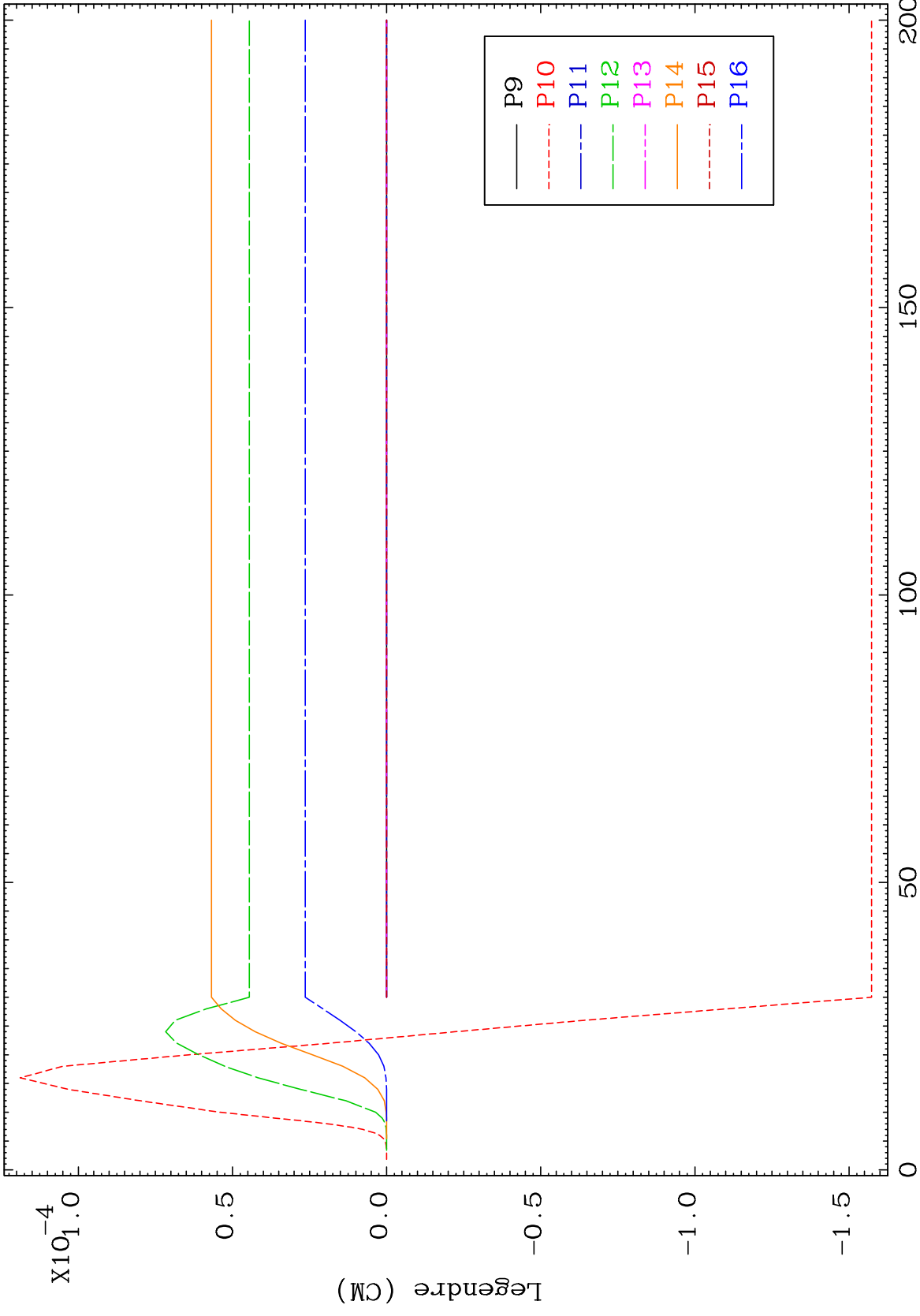
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



109

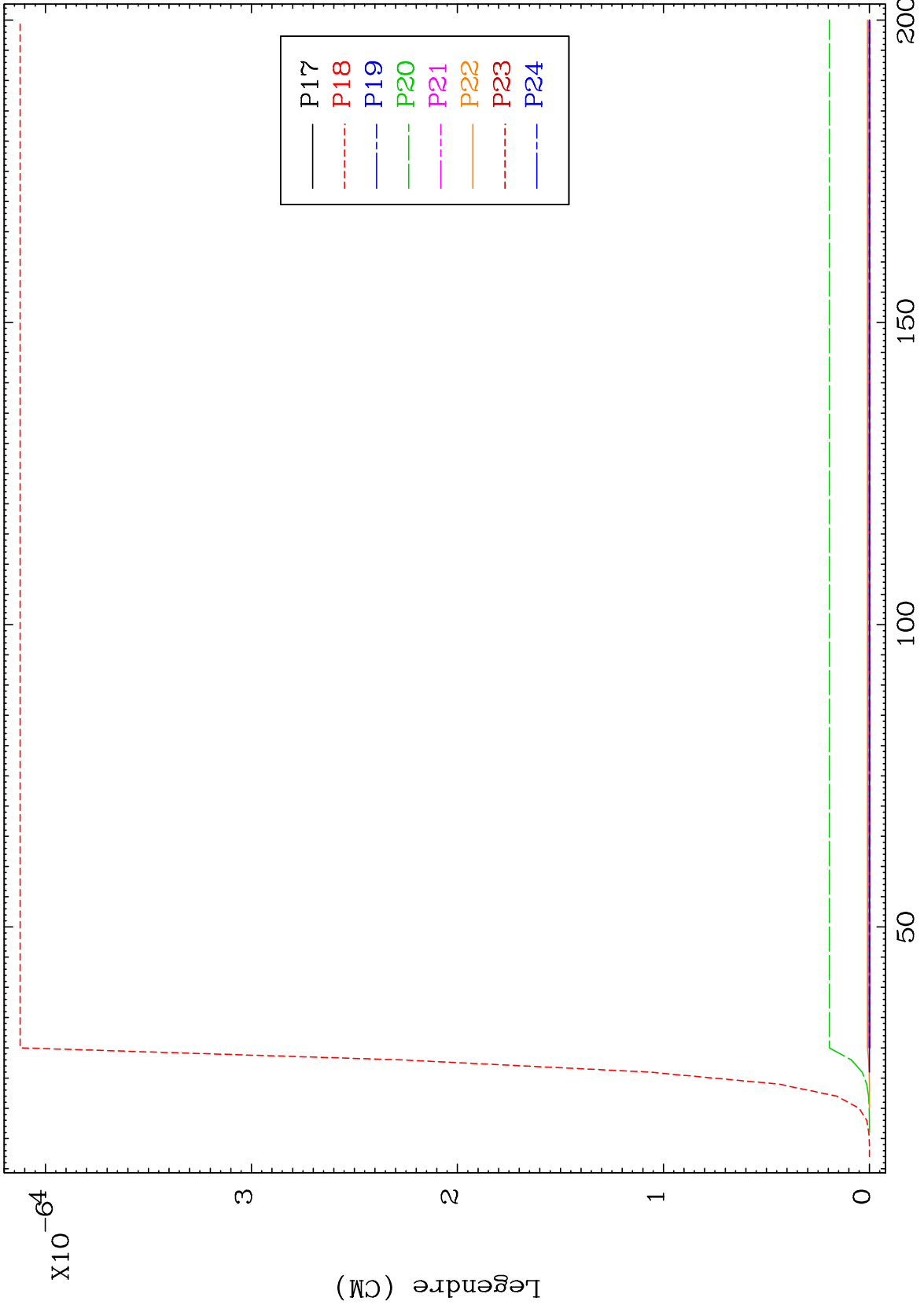
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



110

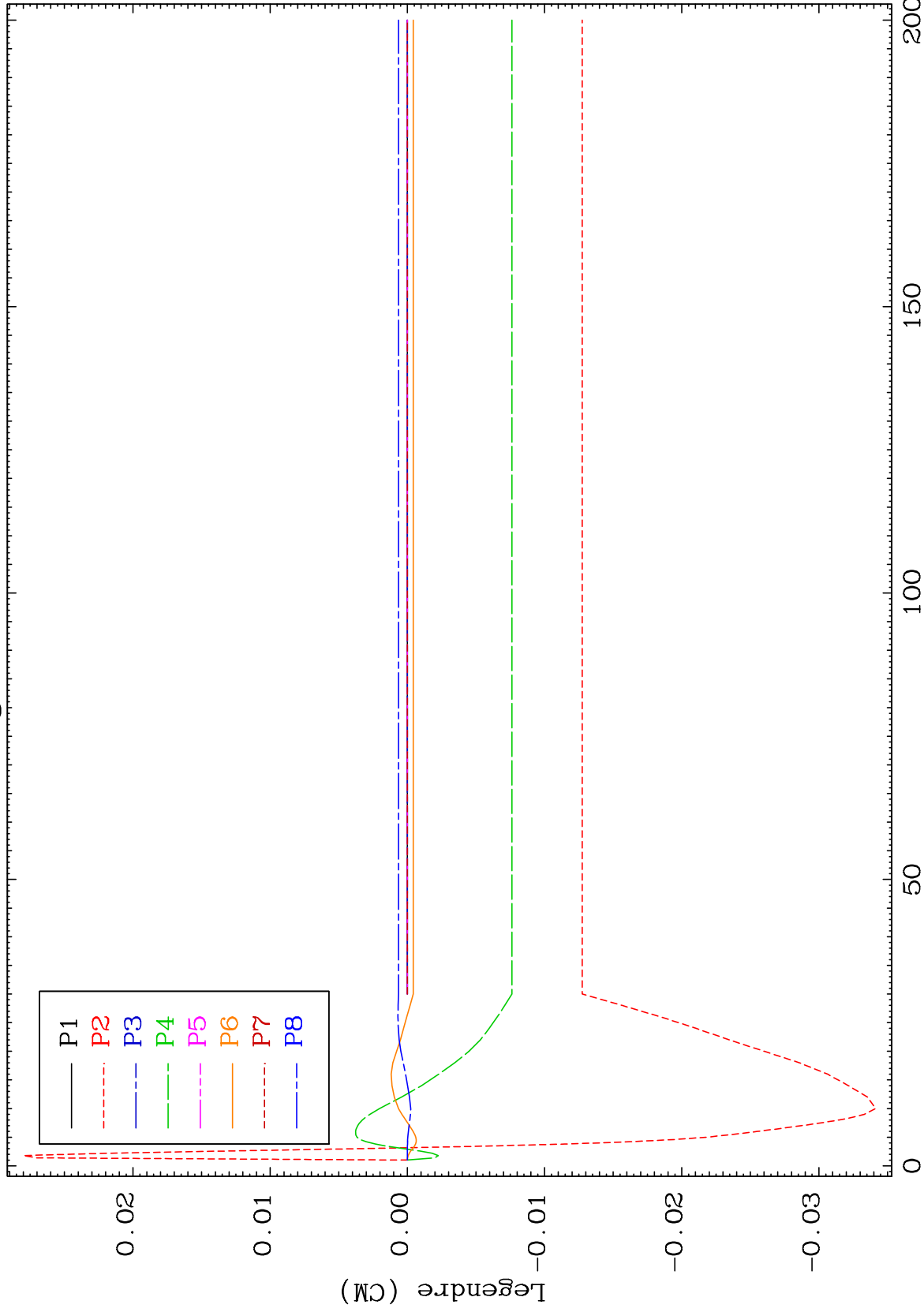
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



111

Incident Energy (MeV)

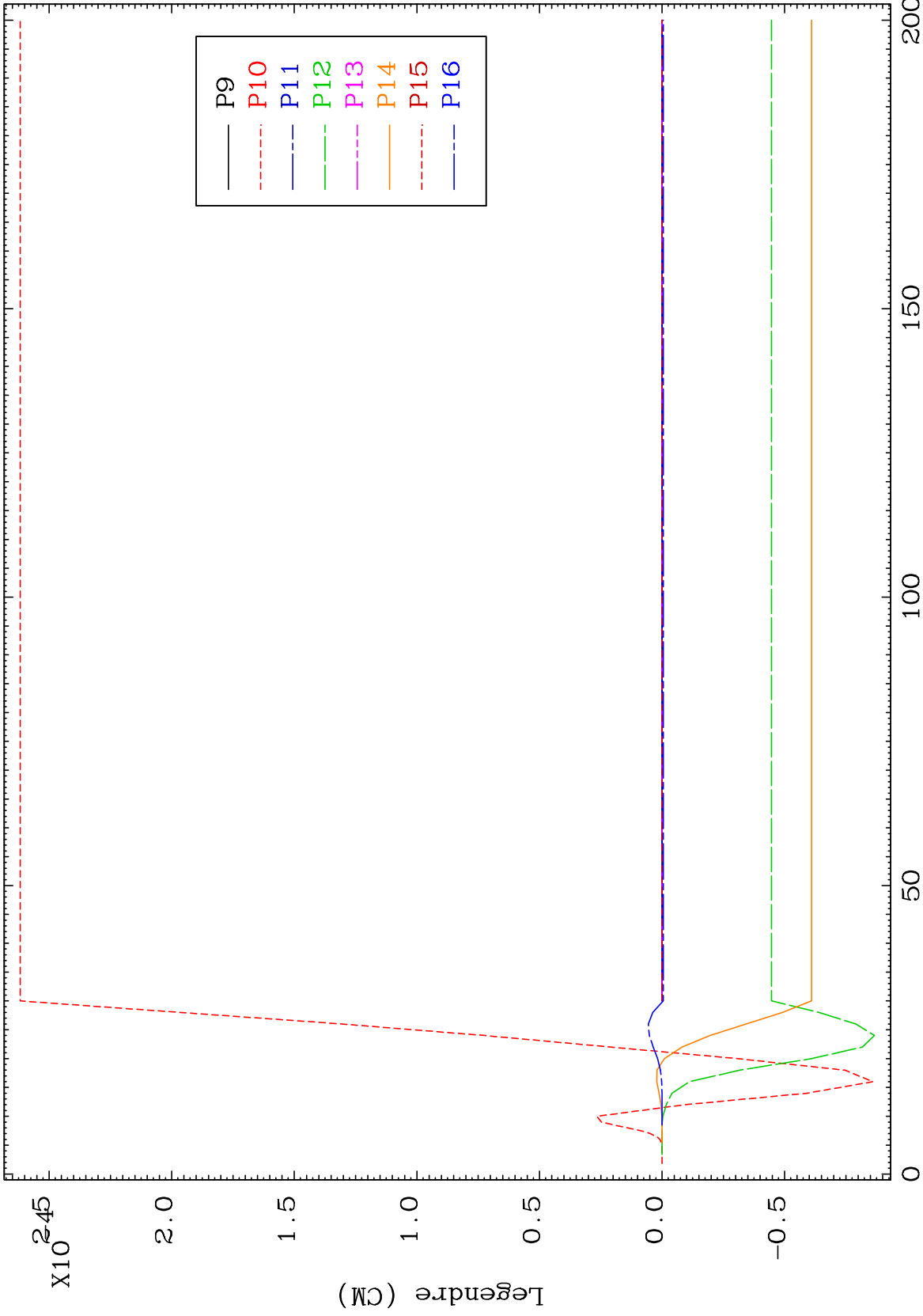
51-Sb-126



MAT 5140

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

51-Sb-126



112

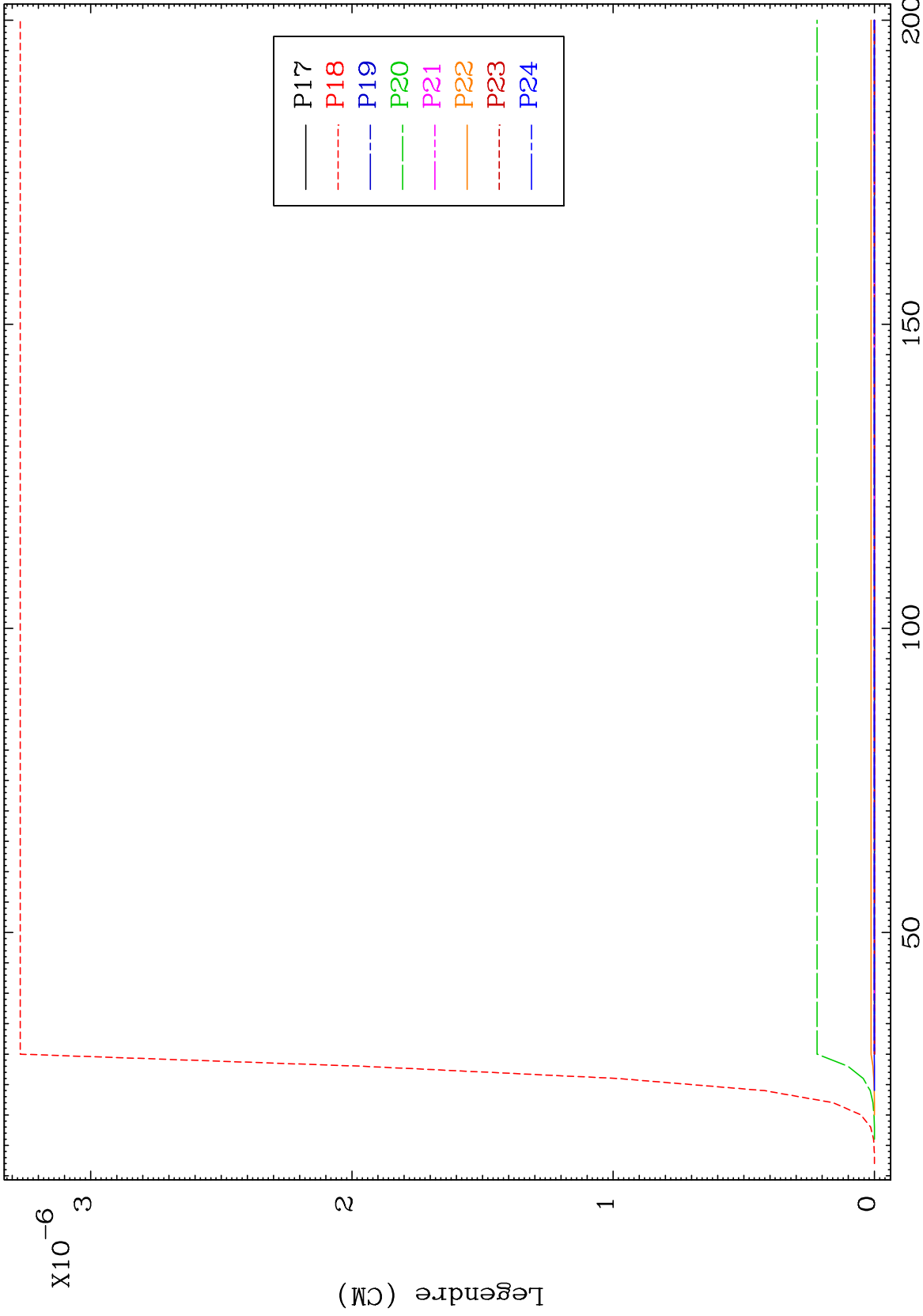
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



113

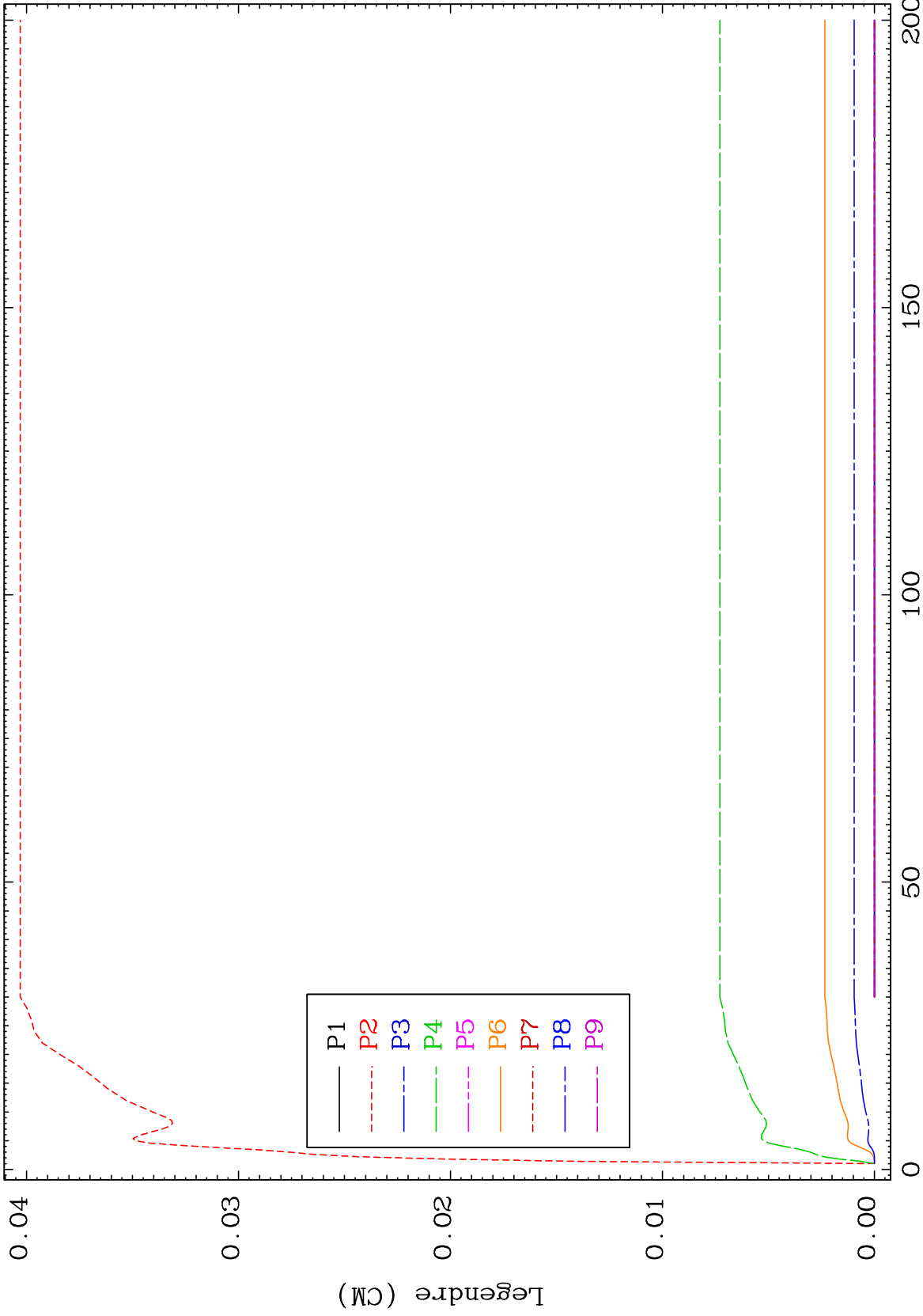
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



114

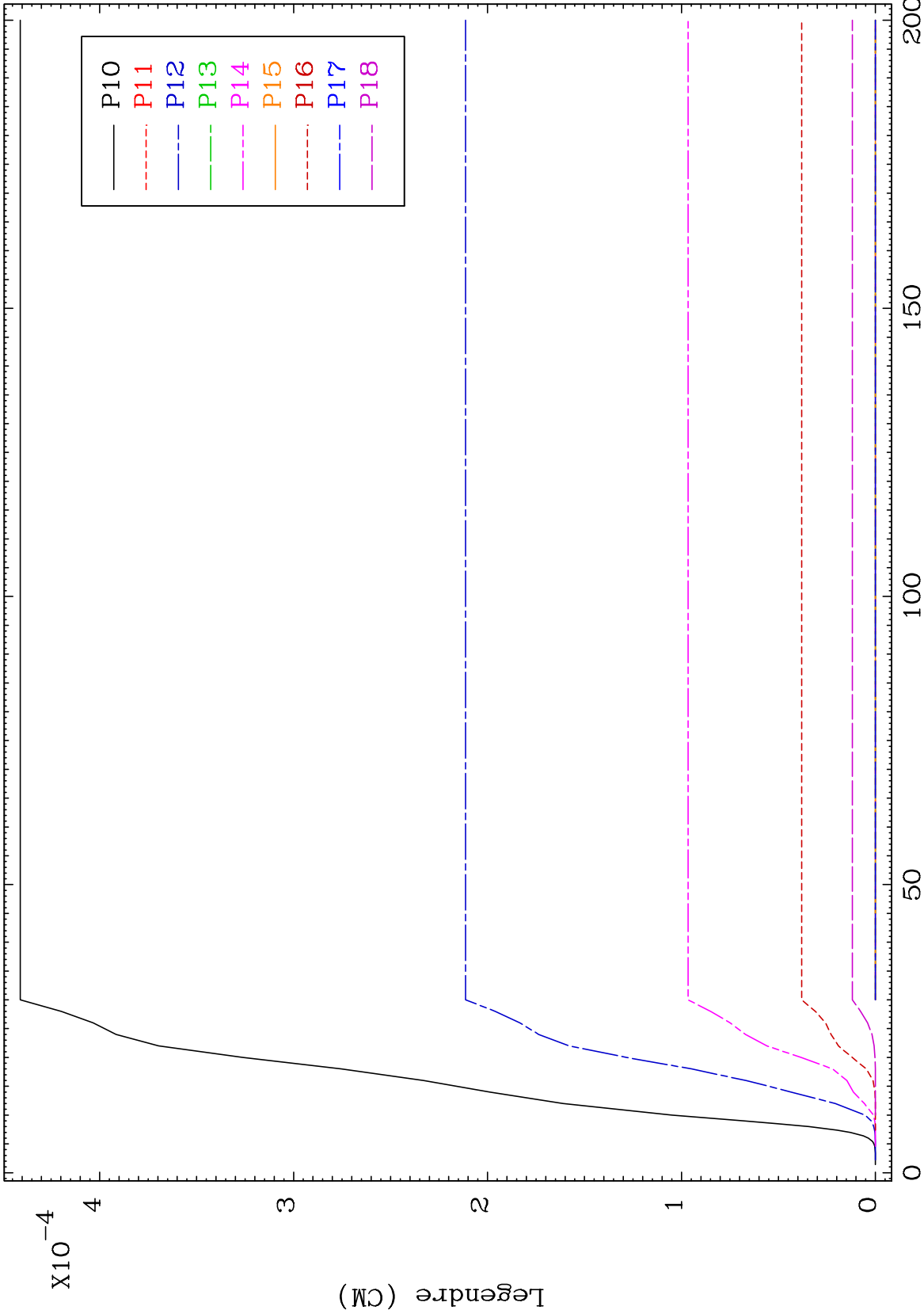
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



115

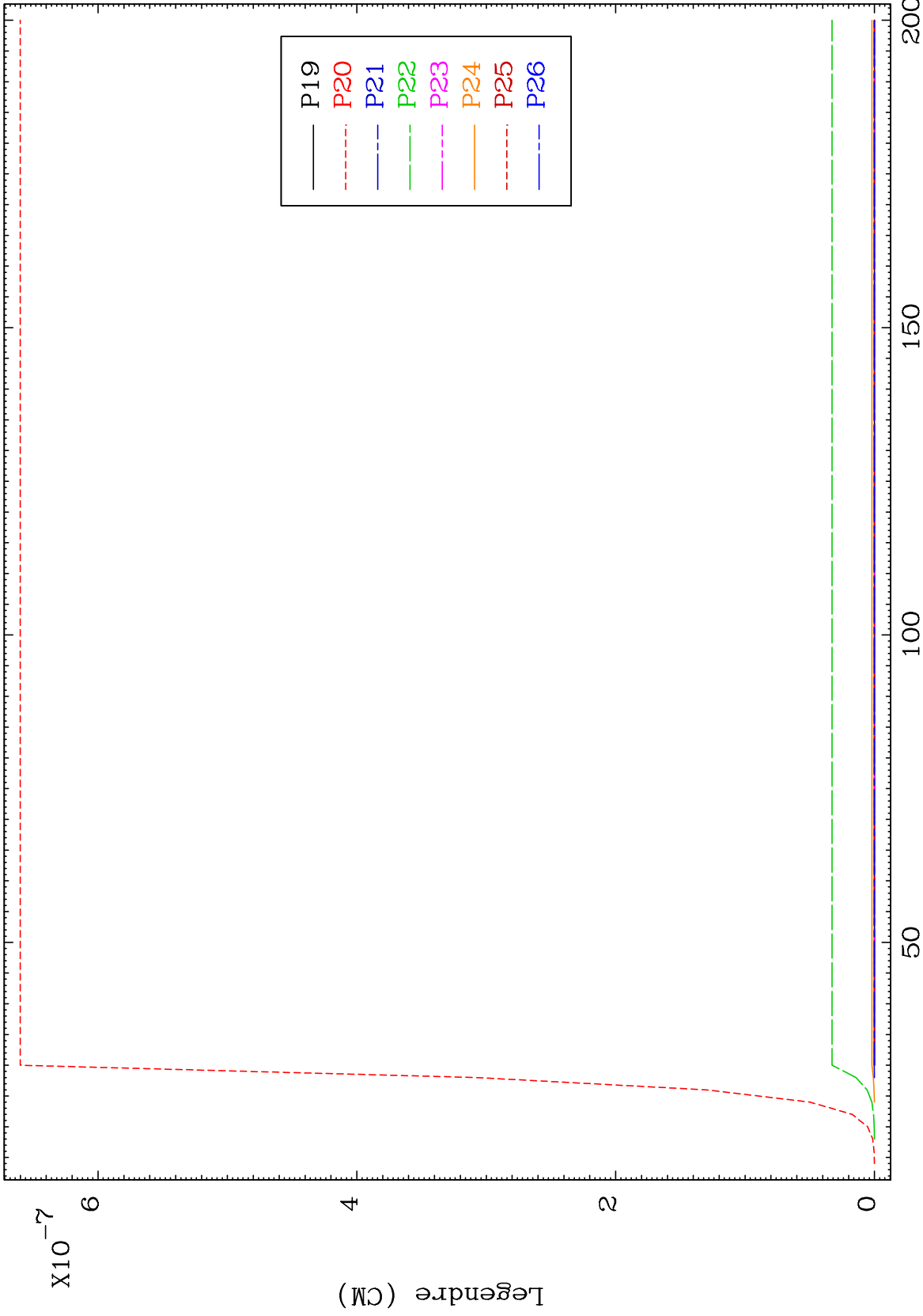
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



116

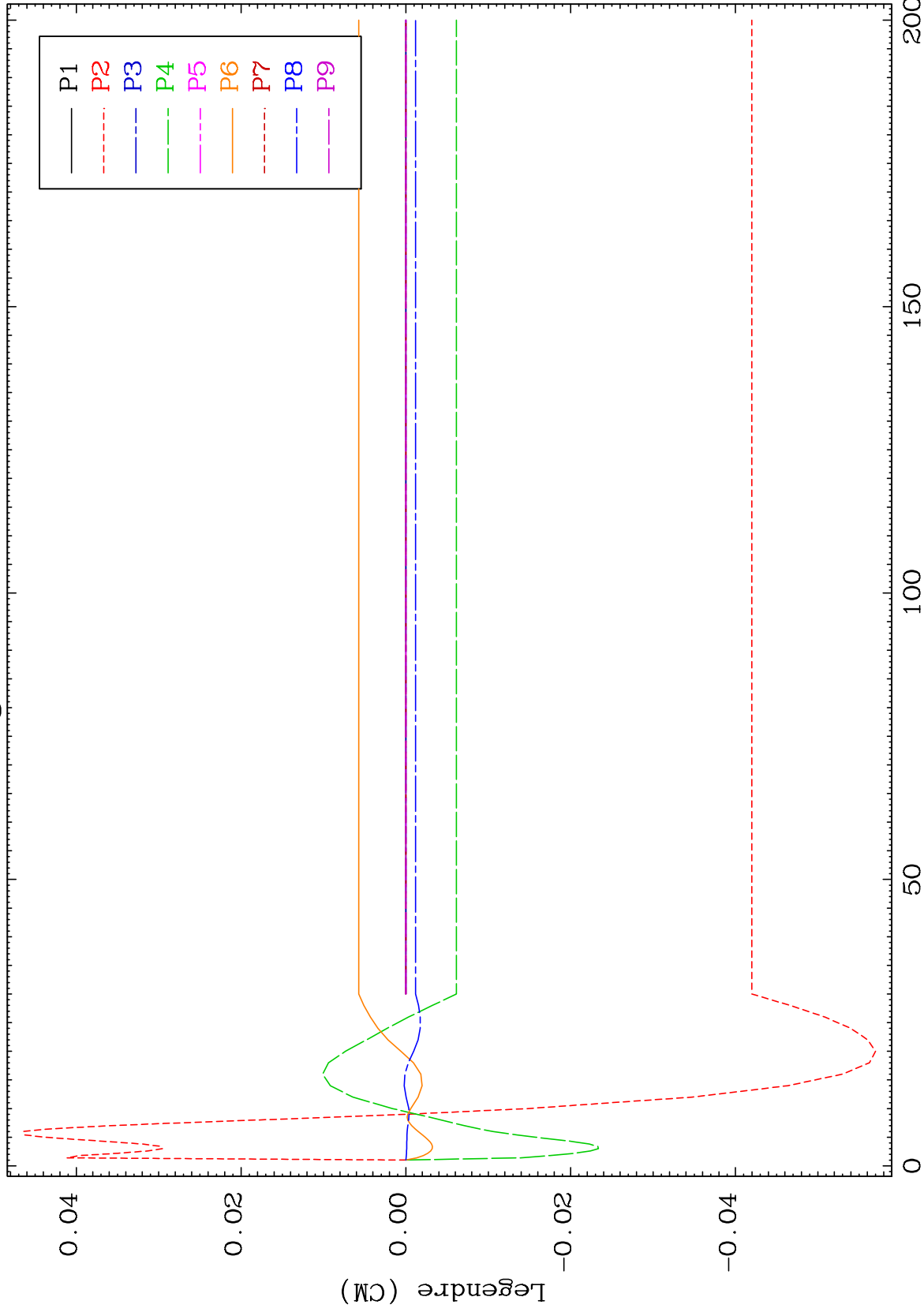
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

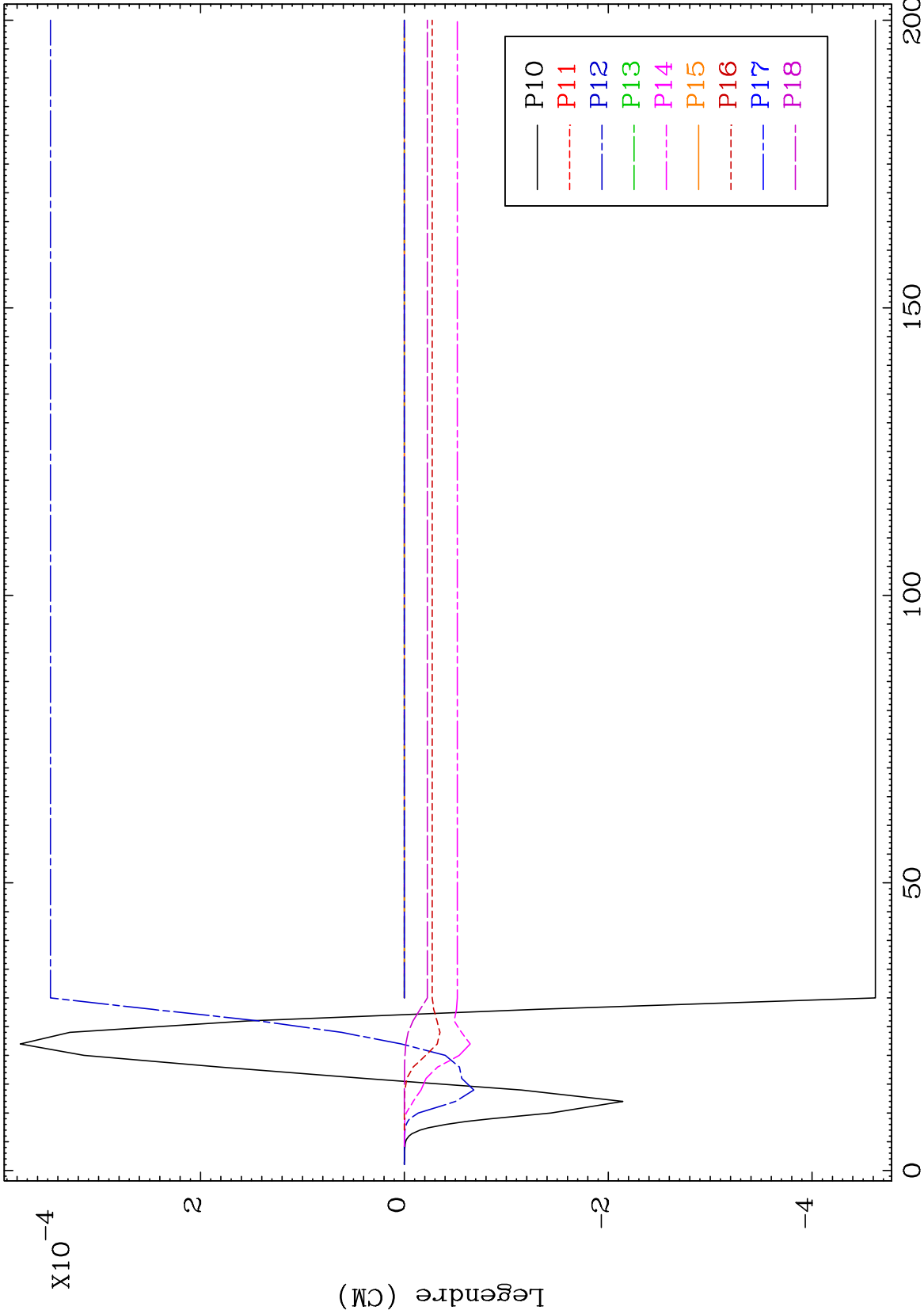
51-Sb-126



117

Incident Energy (MeV)

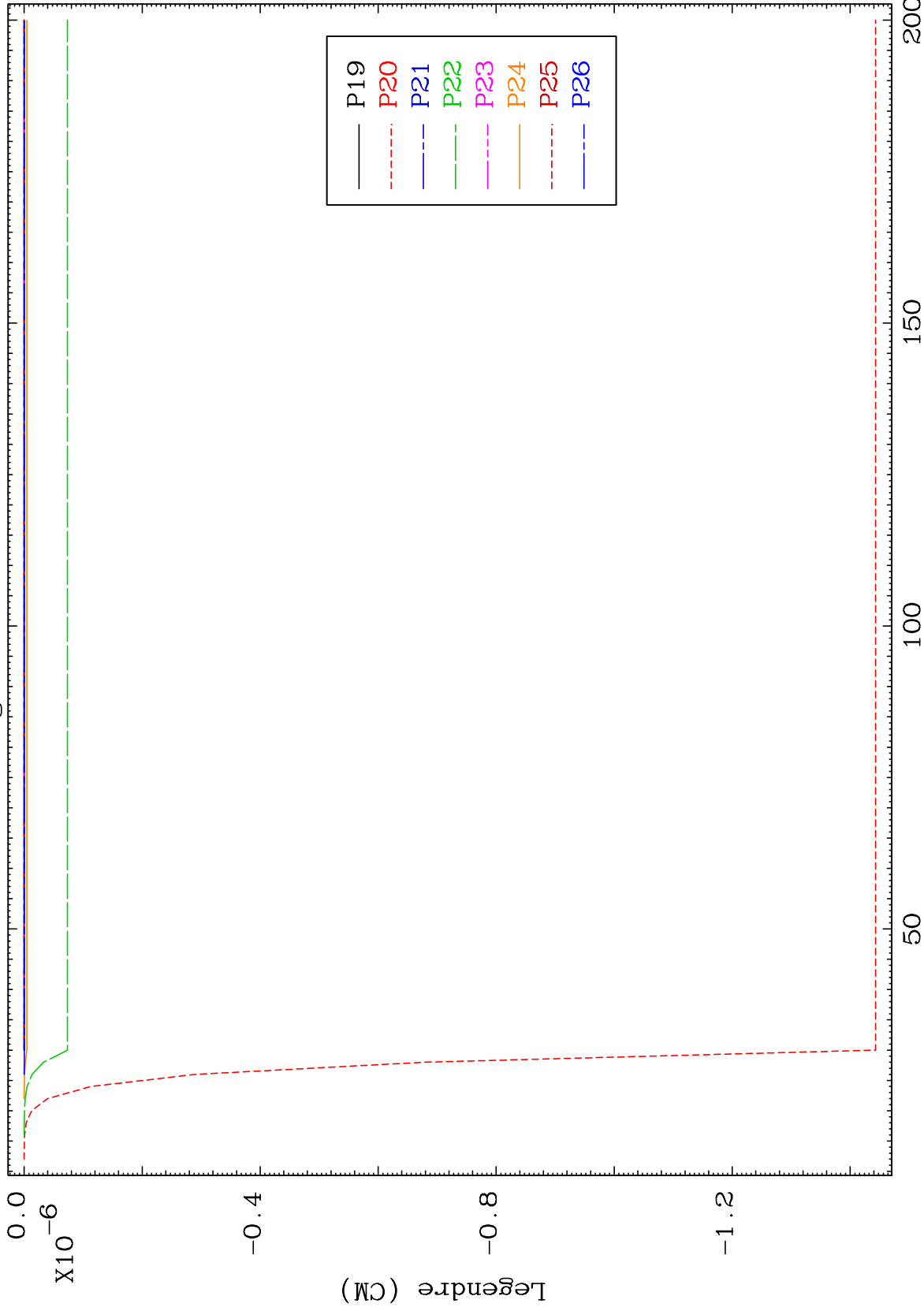
51-Sb-126



MAT 5140

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

51-Sb-126



119

Incident Energy (MeV)

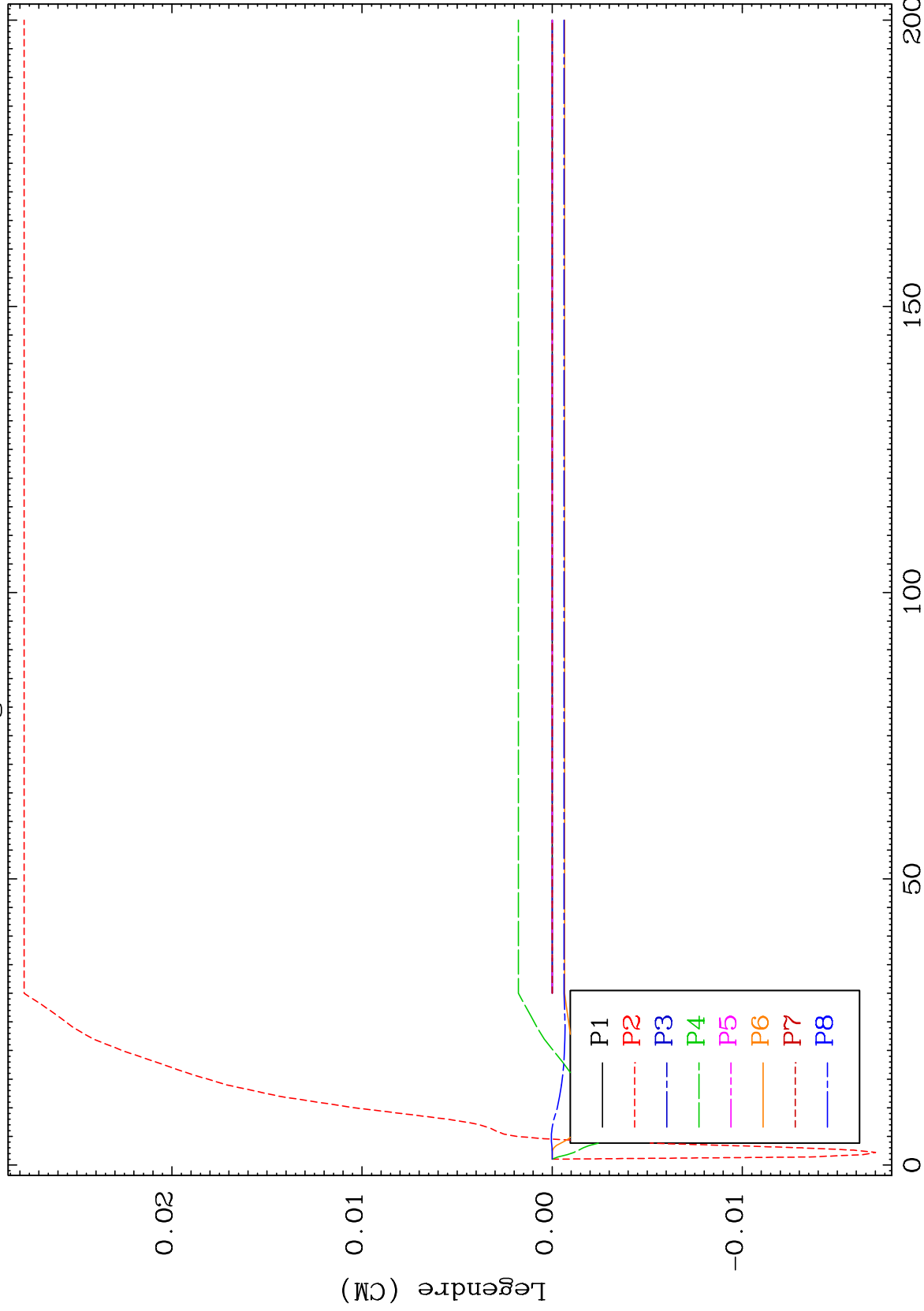
51-Sb-126



MAT 5140

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

51-Sb-126

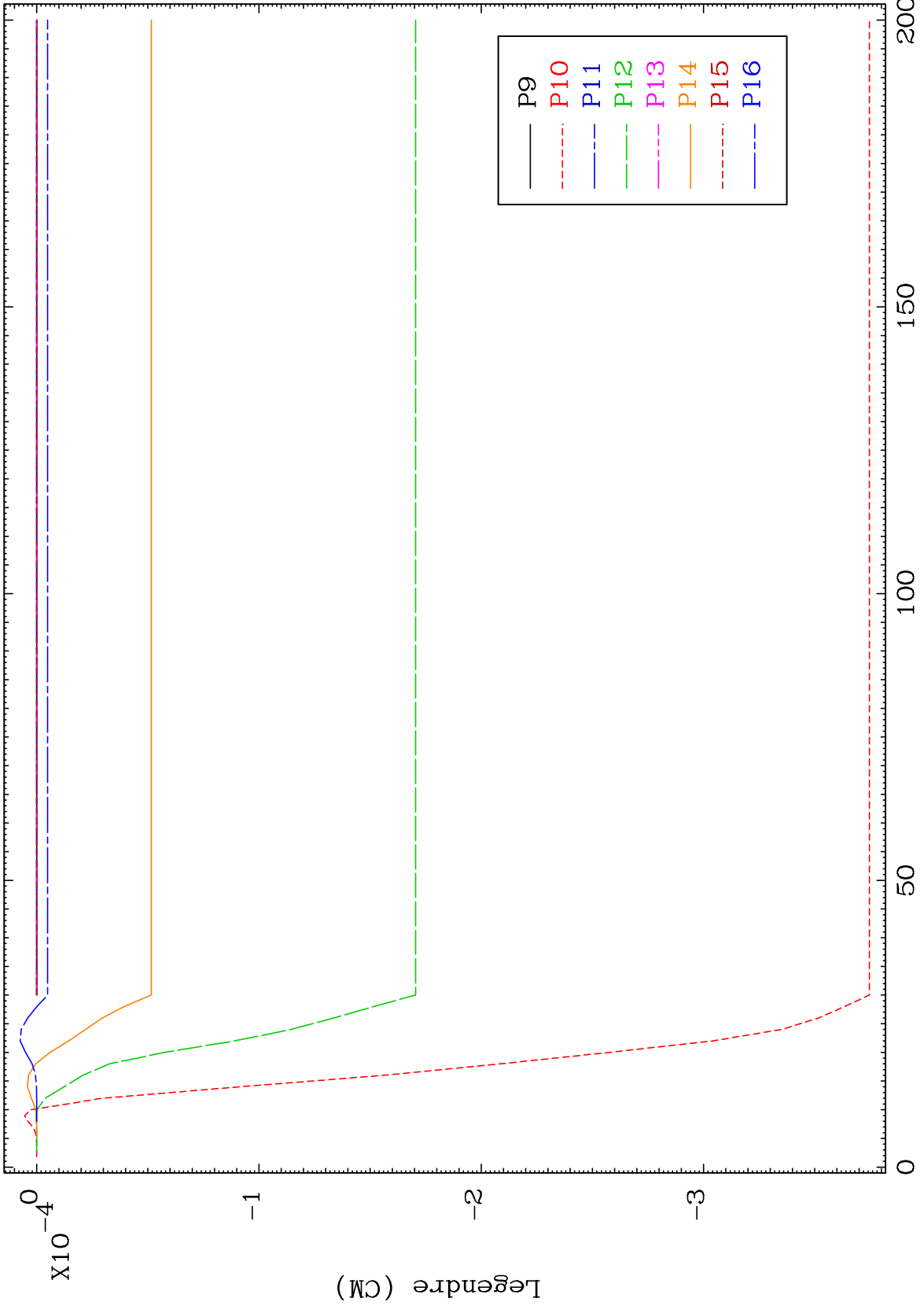


51-Sb-126

Incident Energy (MeV)

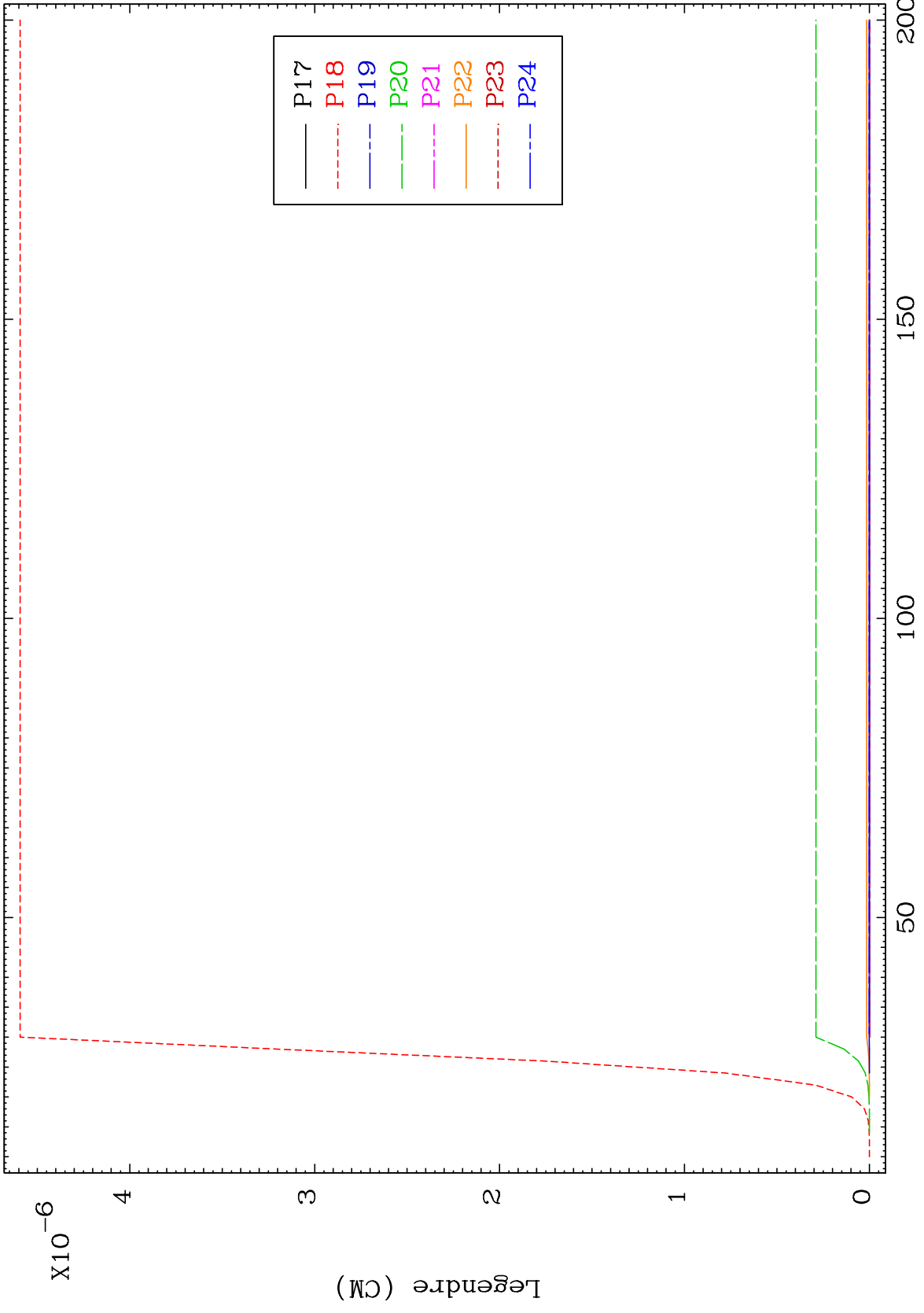
120

MAT 5140 MT= 80 (n,n') Level Legendre Coefficients 51-Sb-126



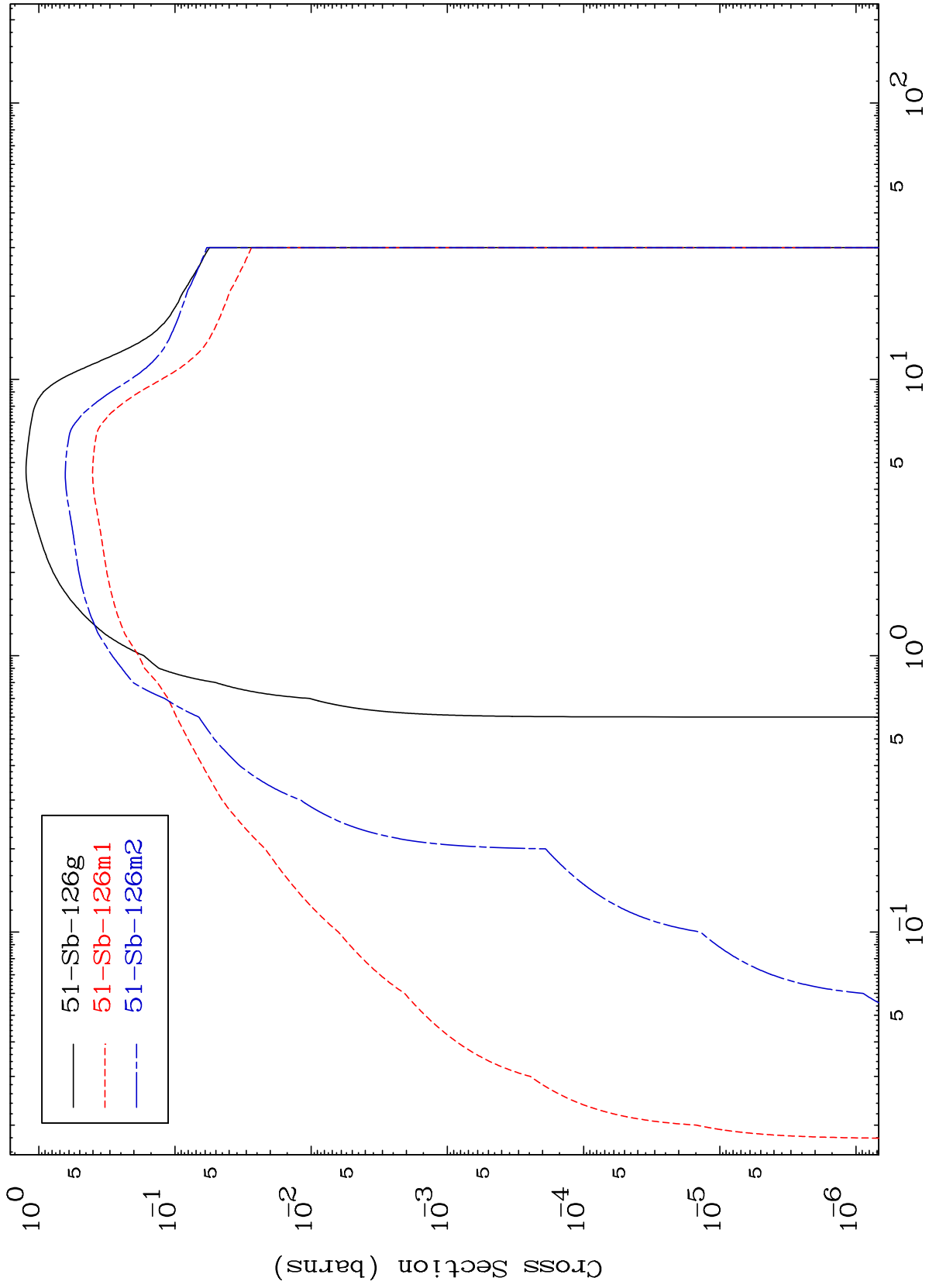
121 51-Sb-126

MAT 5140 MT= 80 (n,n') Level Legendre Coefficients 51-Sb-126



122 51-Sb-126

Inelastic  
Radionuclide Production Cross Section

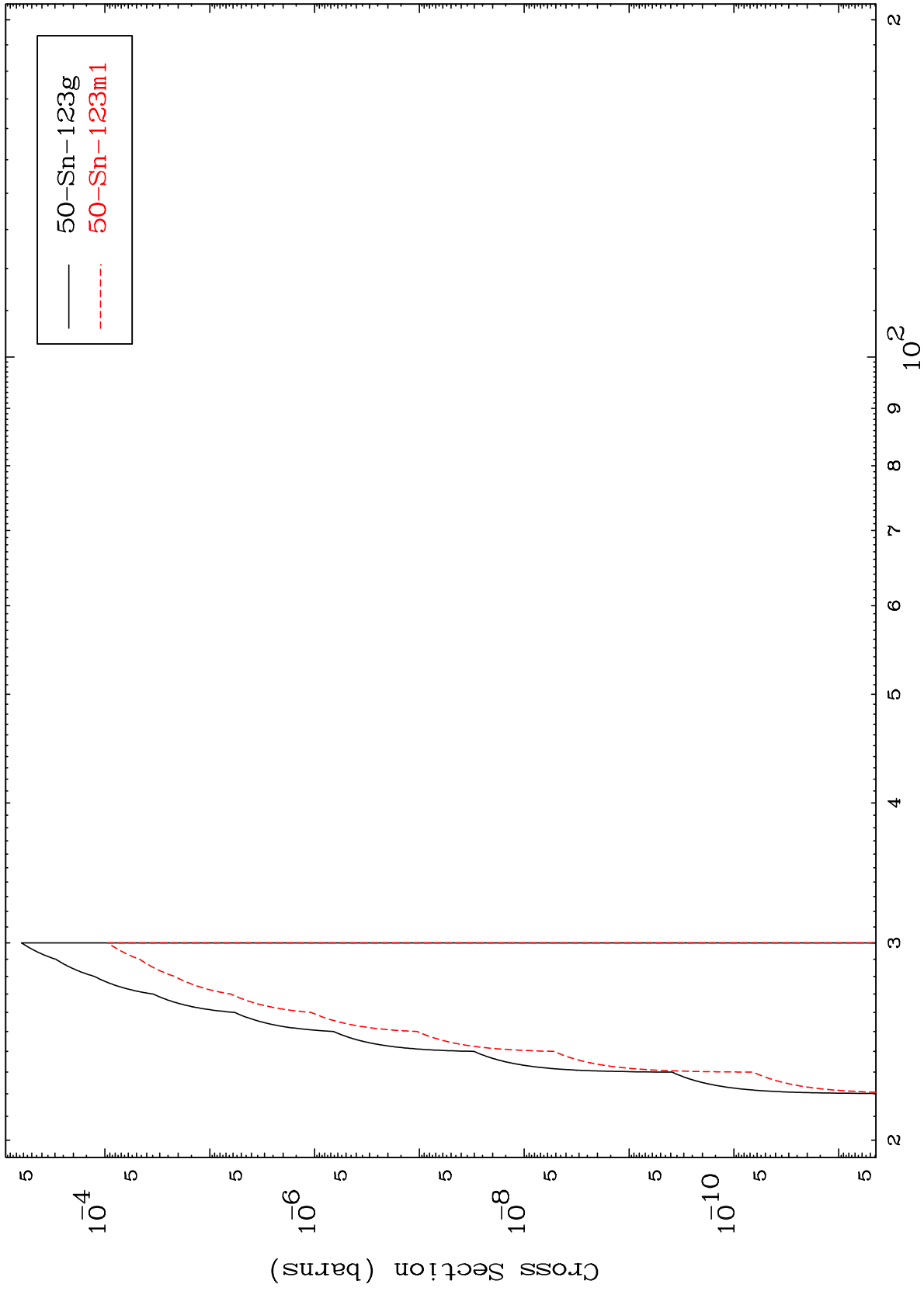


MAT 5140

(n,2n) d

51-Sb-126

Radionuclide Production Cross Section



124

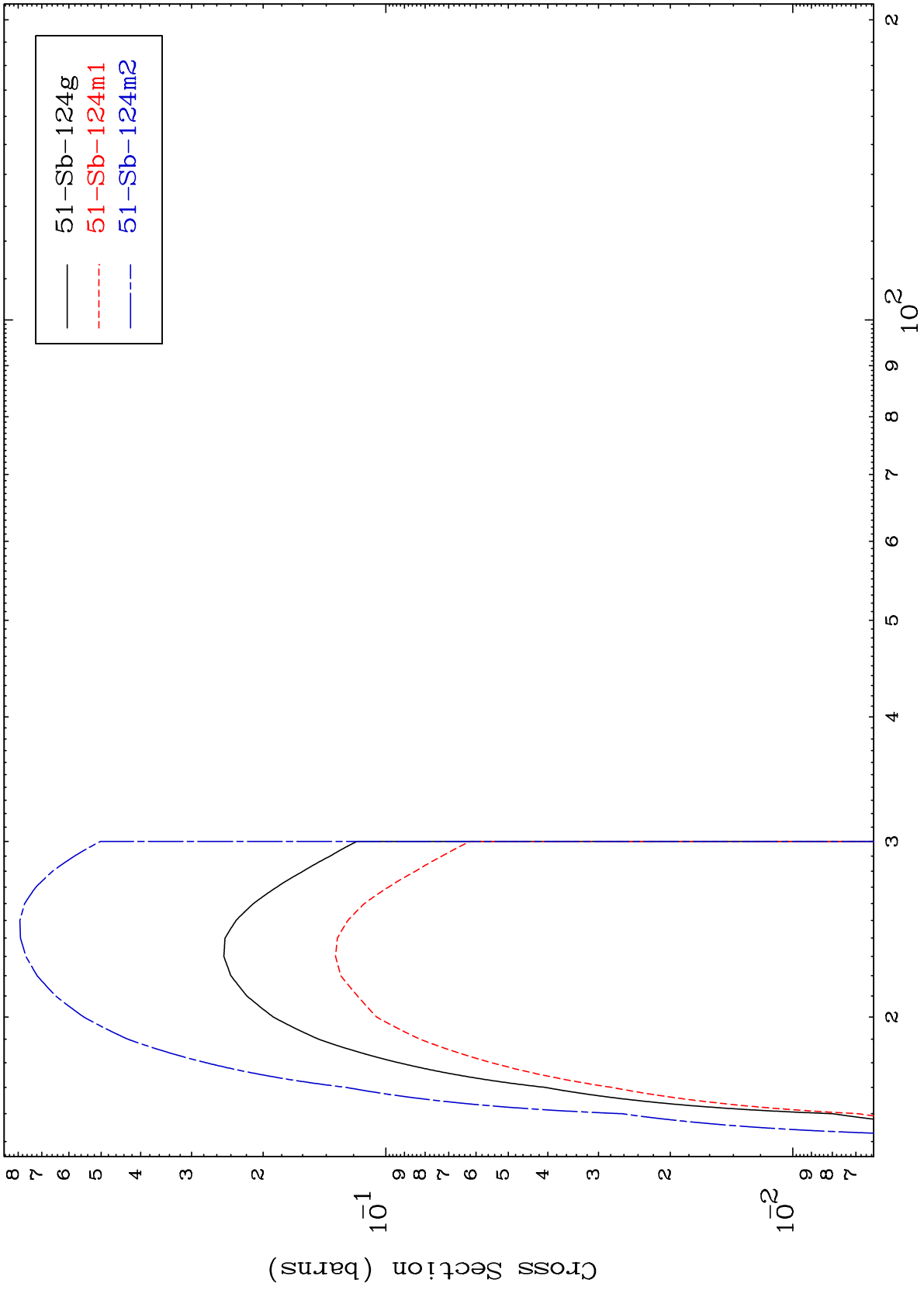
Incident Energy (MeV)

51-Sb-126

MAT 5140

51-Sb-126

(n,3n)  
Radionuclide Production Cross Section



125

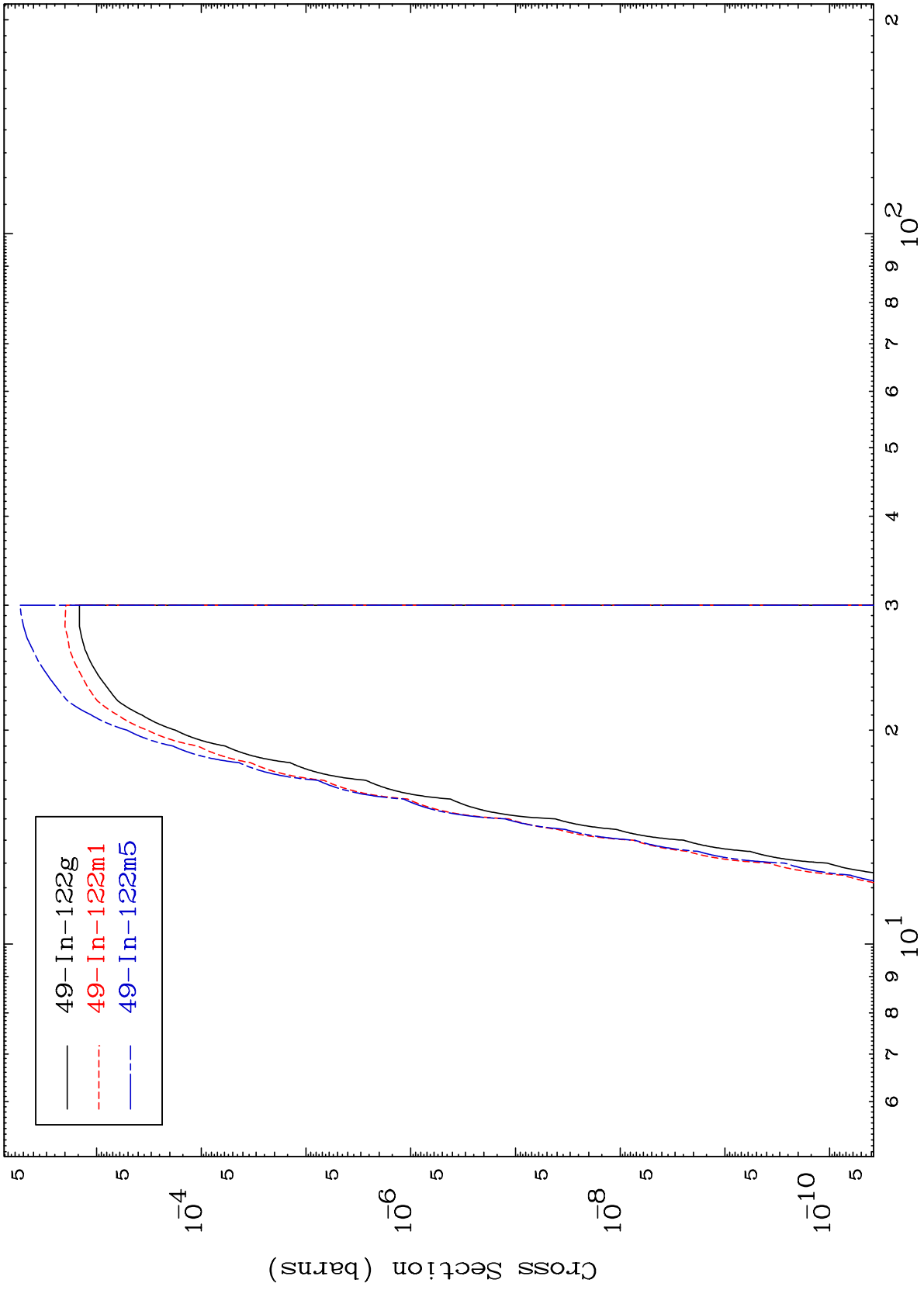
Incident Energy (MeV)

51-Sb-126

MAT 5140

51-Sb-126

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



49-In-122g  
49-In-122m1  
49-In-122m5

126

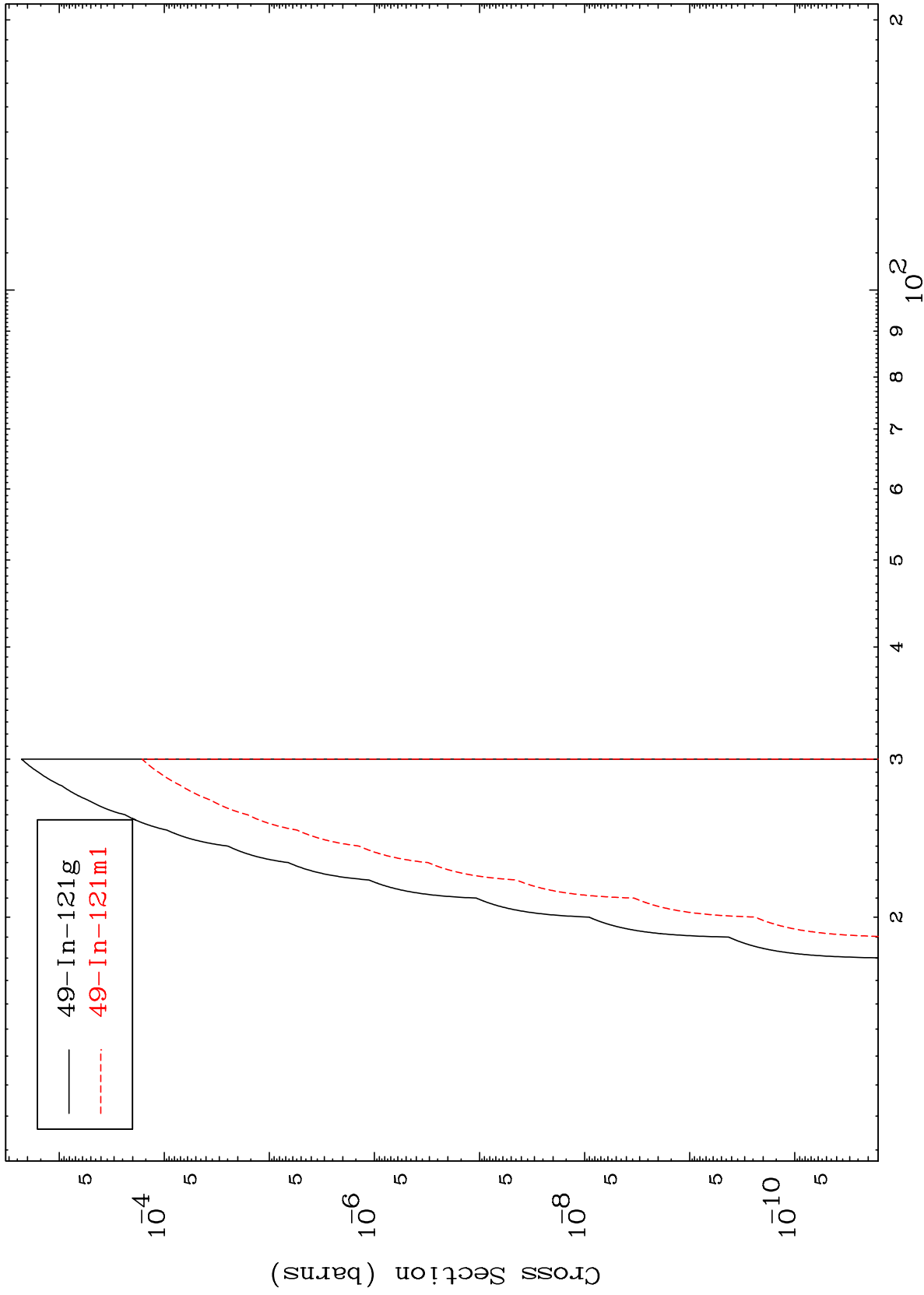
51-Sb-126

MAT 5140

(n,2n)  $\alpha$

51-Sb-126

Radionuclide Production Cross Section



127

Incident Energy (MeV)

51-Sb-126

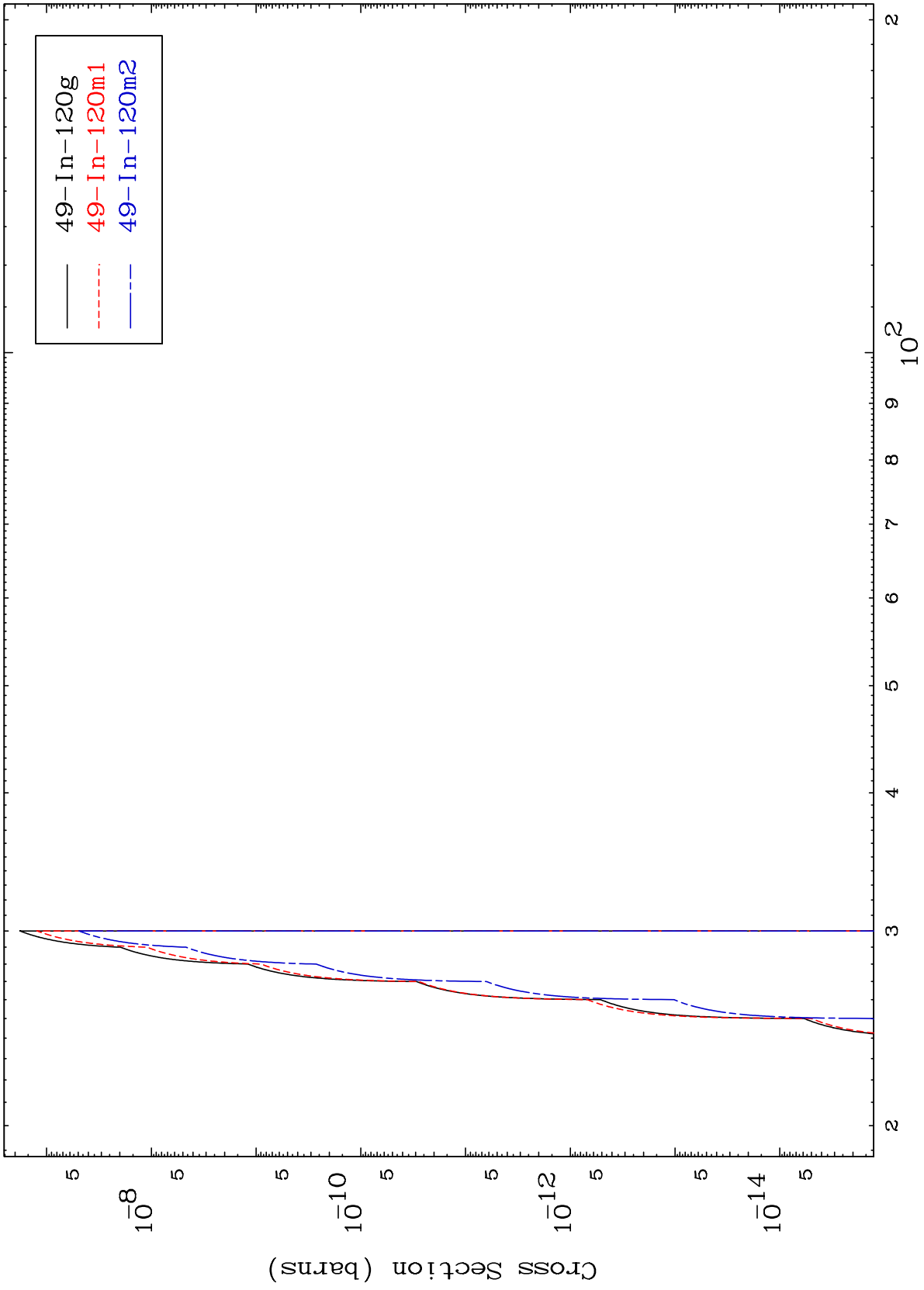


MAT 5140

(n,3n)  $\alpha$

51-Sb-126

Radionuclide Production Cross Section



128

Incident Energy (MeV)

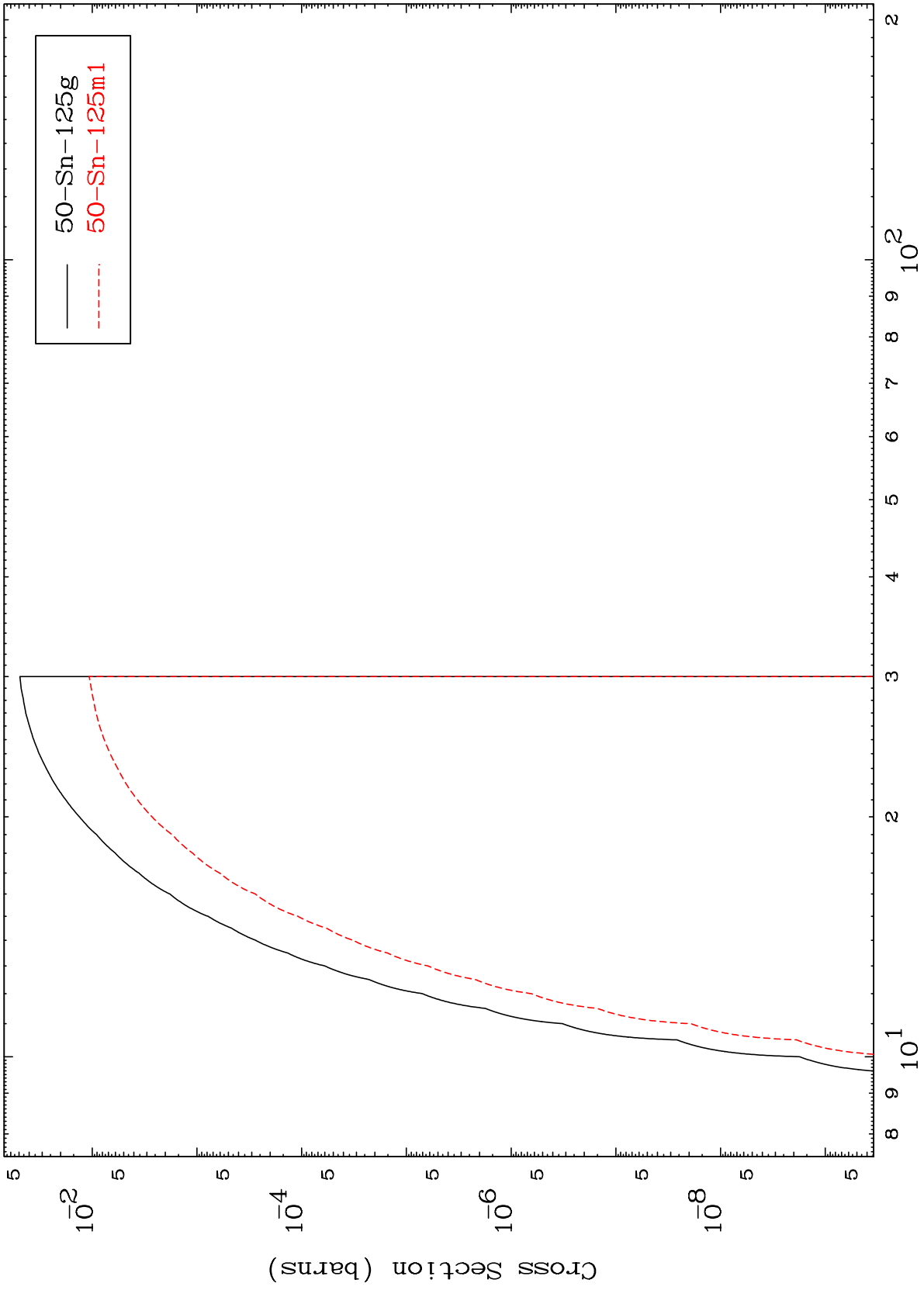
51-Sb-126

MAT 5140

(n,n') p

51-Sb-126

Radionuclide Production Cross Section



129

Incident Energy (MeV)

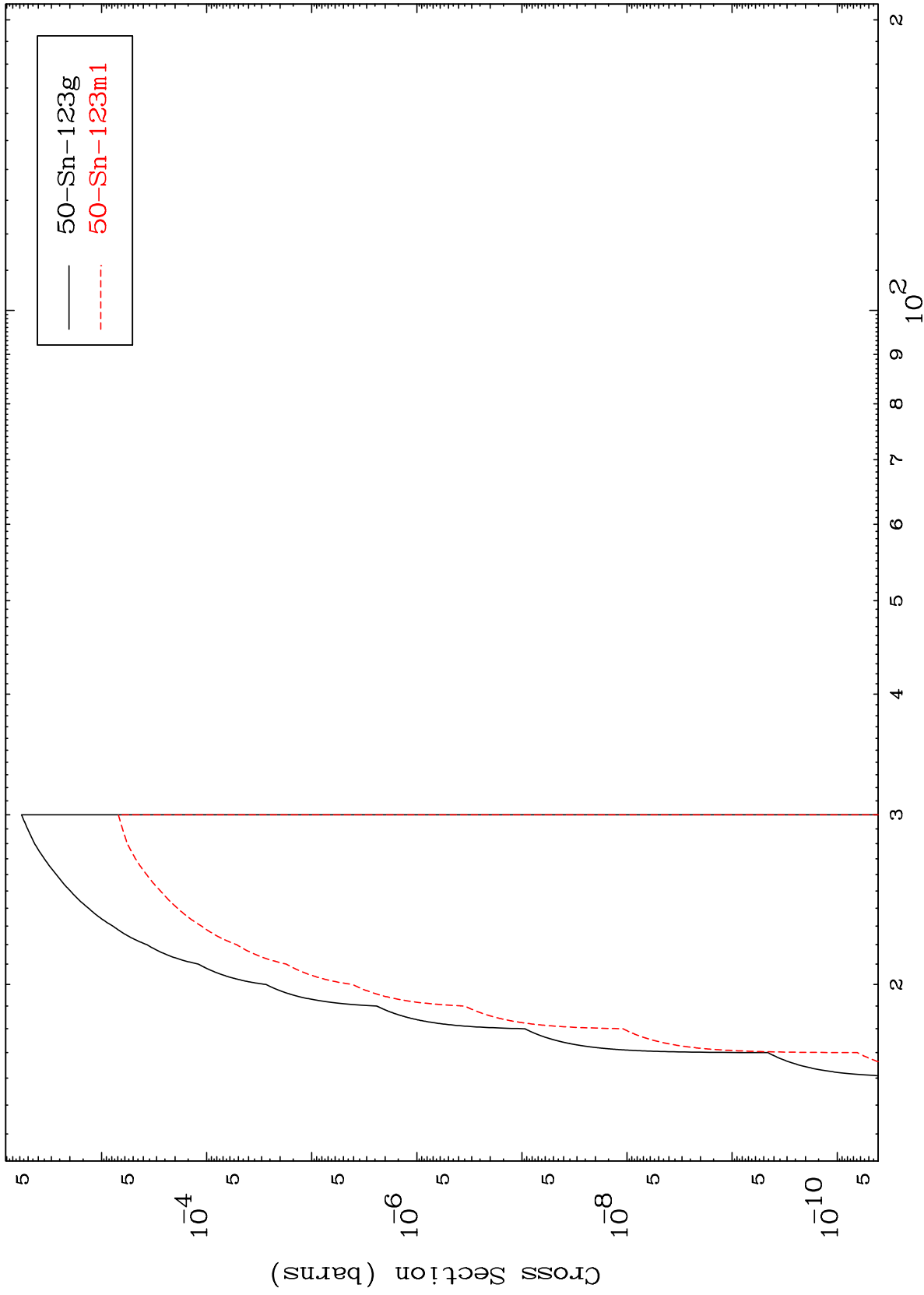
51-Sb-126

MAT 5140

(n,n') t

51-Sb-126

Radionuclide Production Cross Section



130

Incident Energy (MeV)

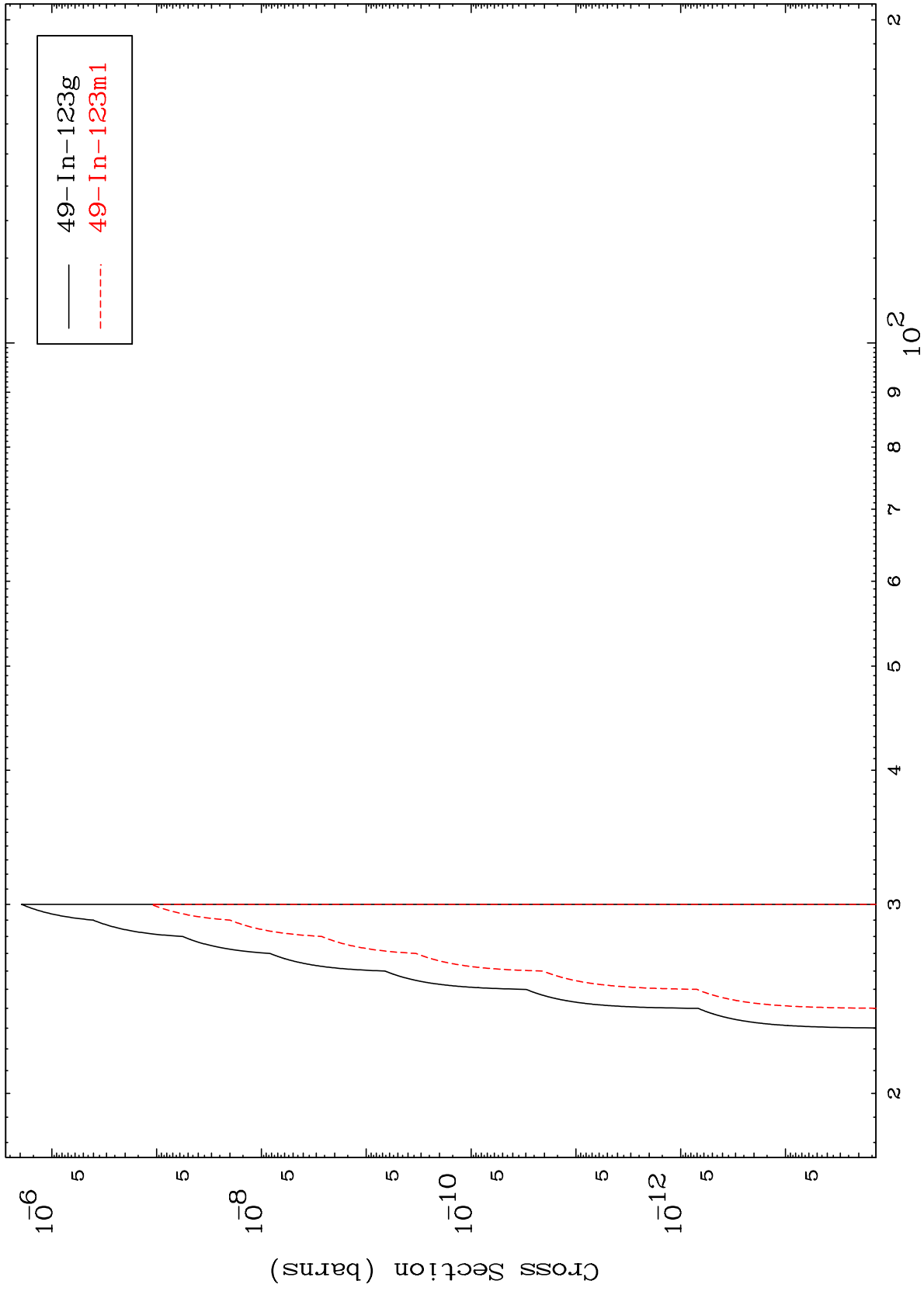
51-Sb-126

MAT 5140

(n, n') He-3

51-Sb-126

Radionuclide Production Cross Section



131

Incident Energy (MeV)

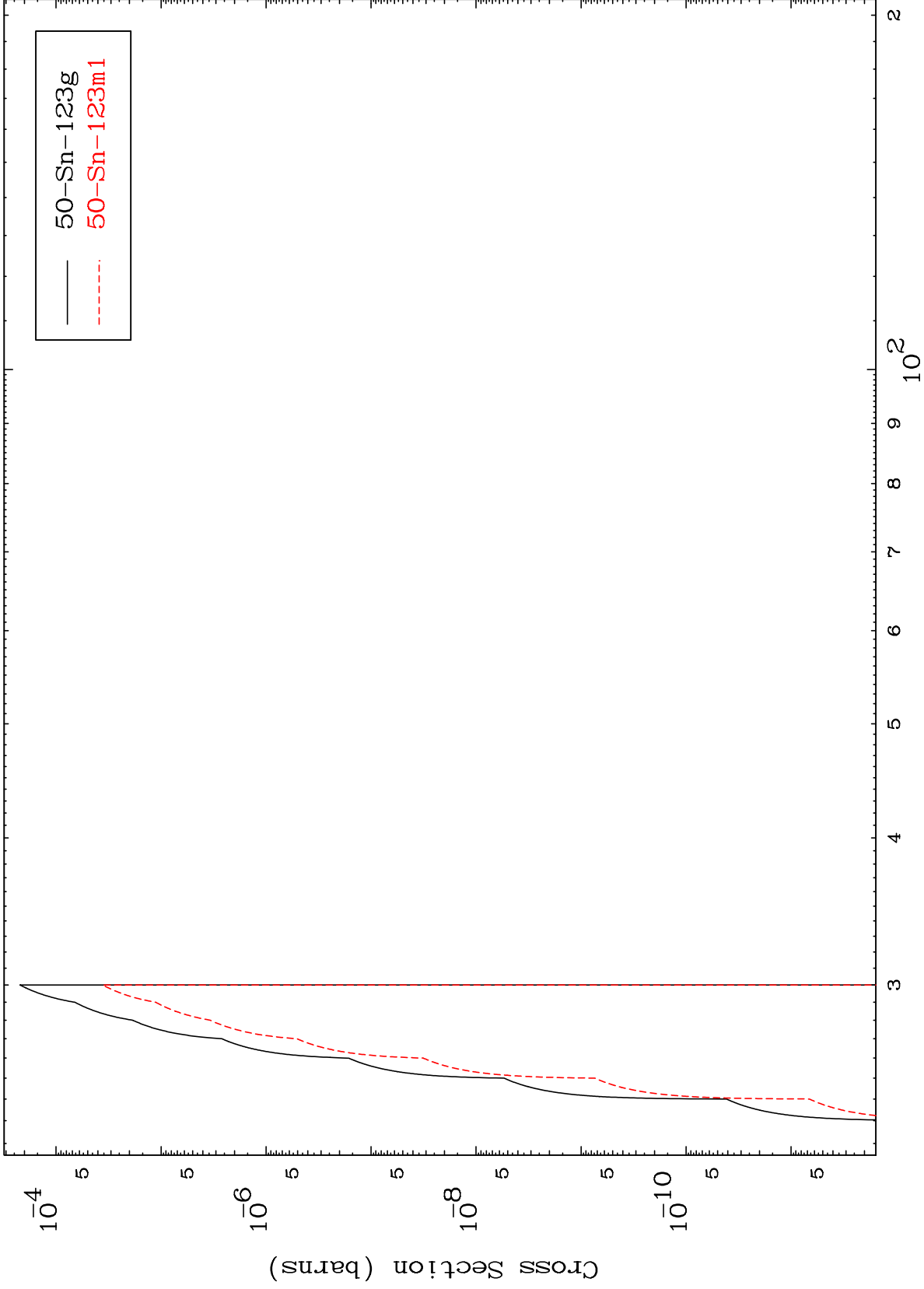
51-Sb-126

MAT 5140

(n,3n) p

51-Sb-126

Radionuclide Production Cross Section



132

Incident Energy (MeV)

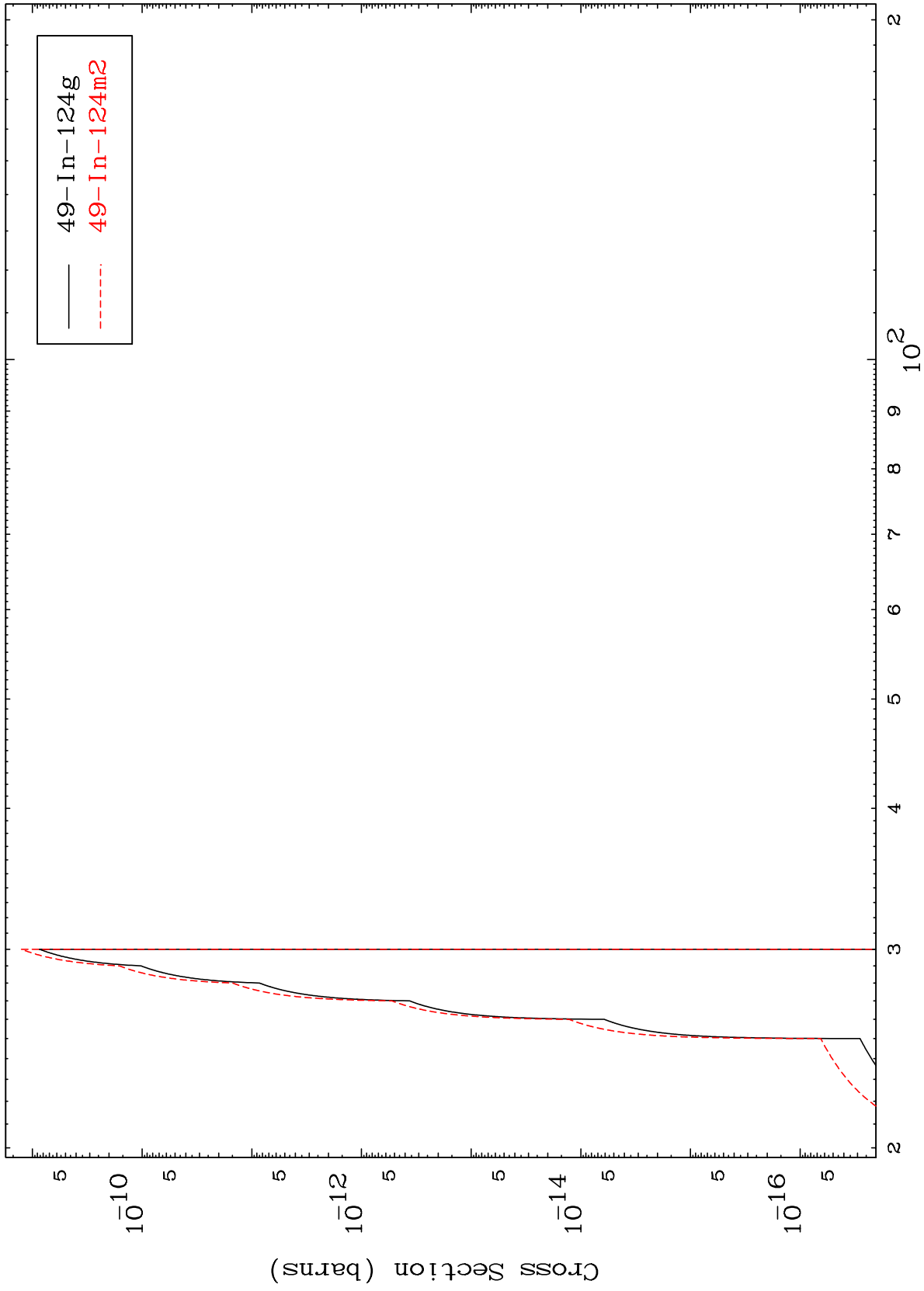
51-Sb-126

MAT 5140

(n,2n) p

51-Sb-126

Radionuclide Production Cross Section



133

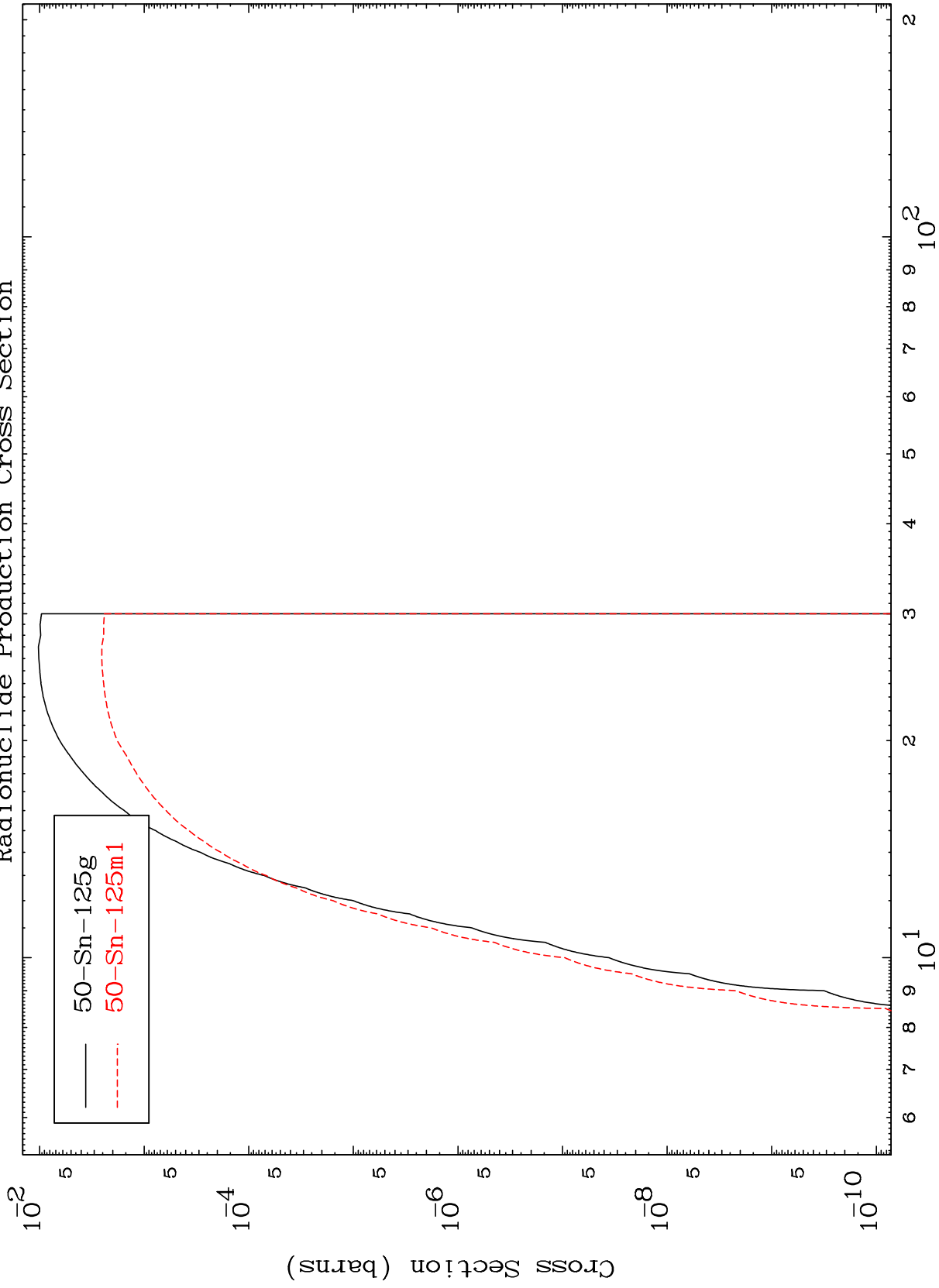
Incident Energy (MeV)

51-Sb-126

MAT 5140

51-Sb-126

(n,d)  
Radionuclide Production Cross Section



134

Incident Energy (MeV)

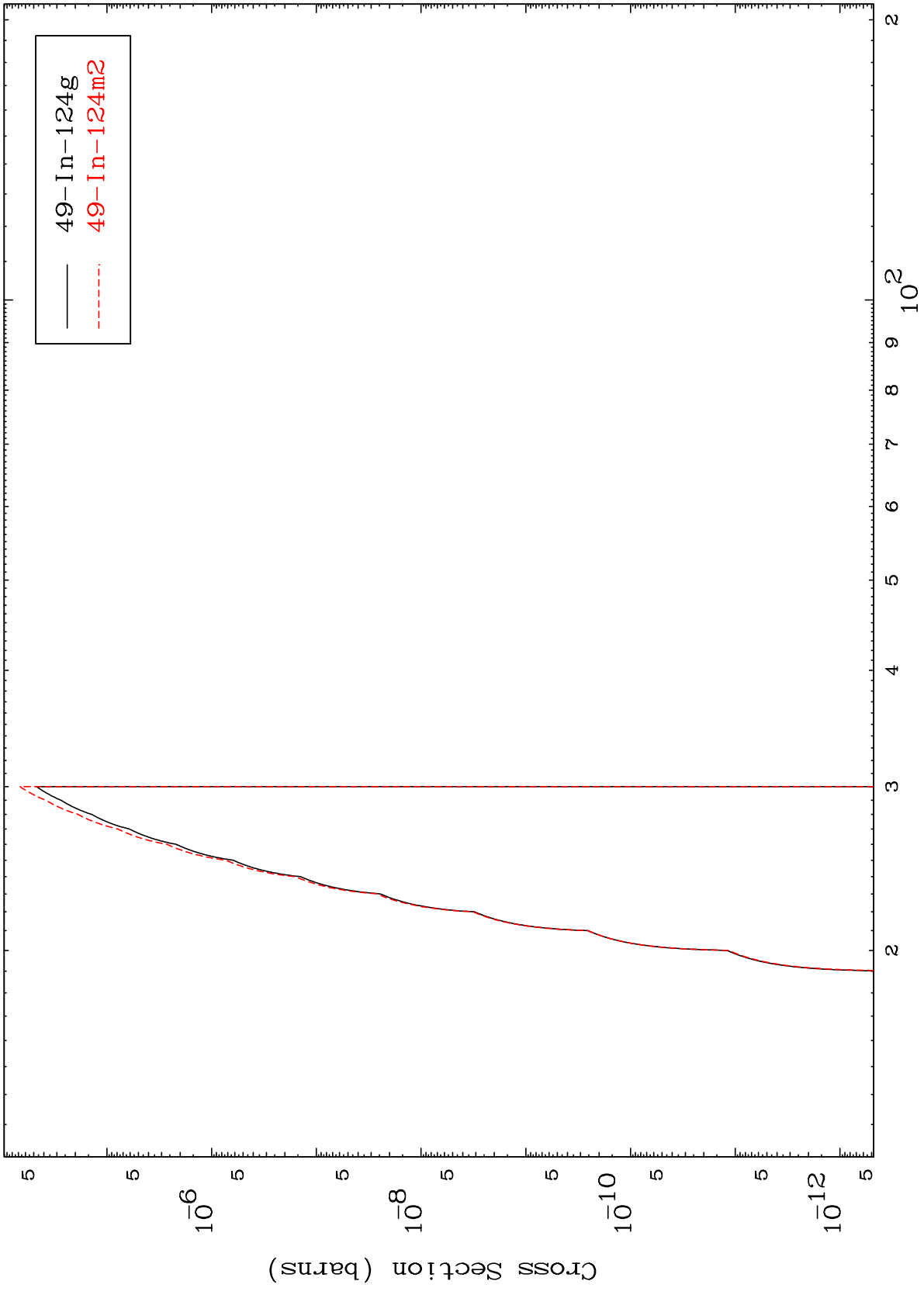
51-Sb-126

MAT 5140

(n, He-3)

51-Sb-126

Radionuclide Production Cross Section



135

Incident Energy (MeV)

51-Sb-126

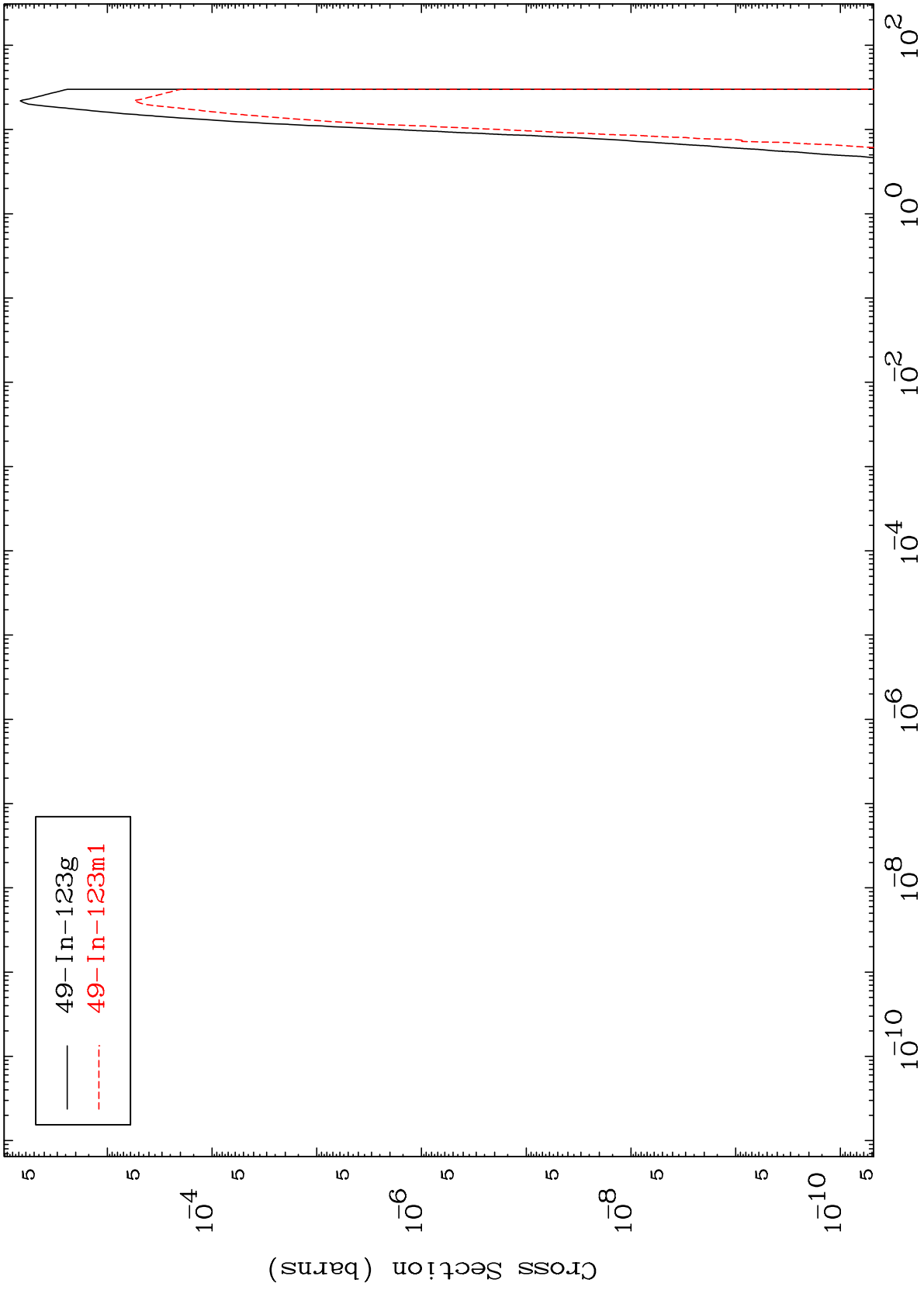


MAT 5140

(n,  $\alpha$ )

51-Sb-126

Radionuclide Production Cross Section



136

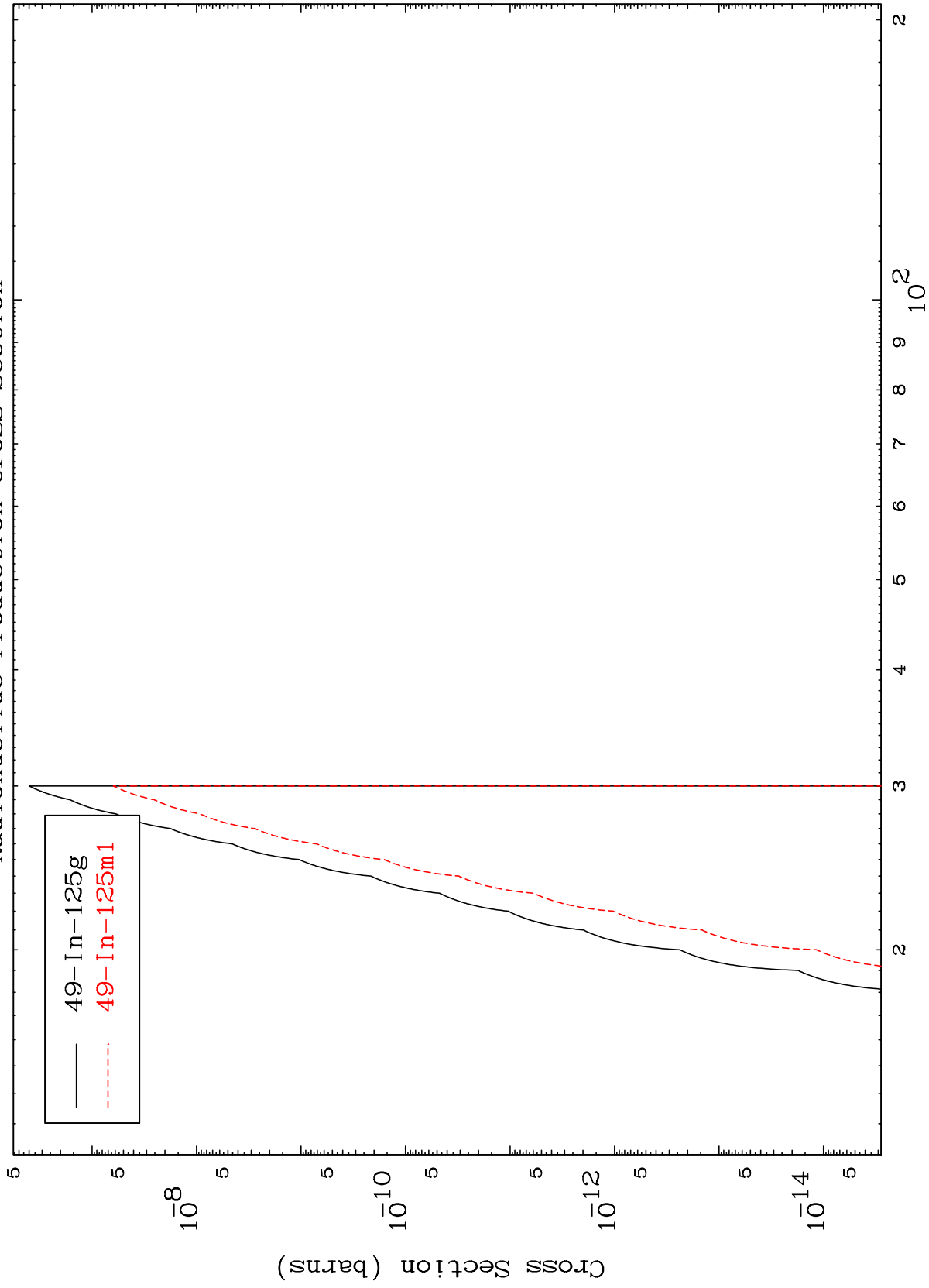
Incident Energy (MeV)

51-Sb-126

MAT 5140

51-Sb-126

(n,2p)  
Radionuclide Production Cross Section



137

51-Sb-126

Incident Energy (MeV)