

Program EVALPLOT  
(Version 2017-1)

by

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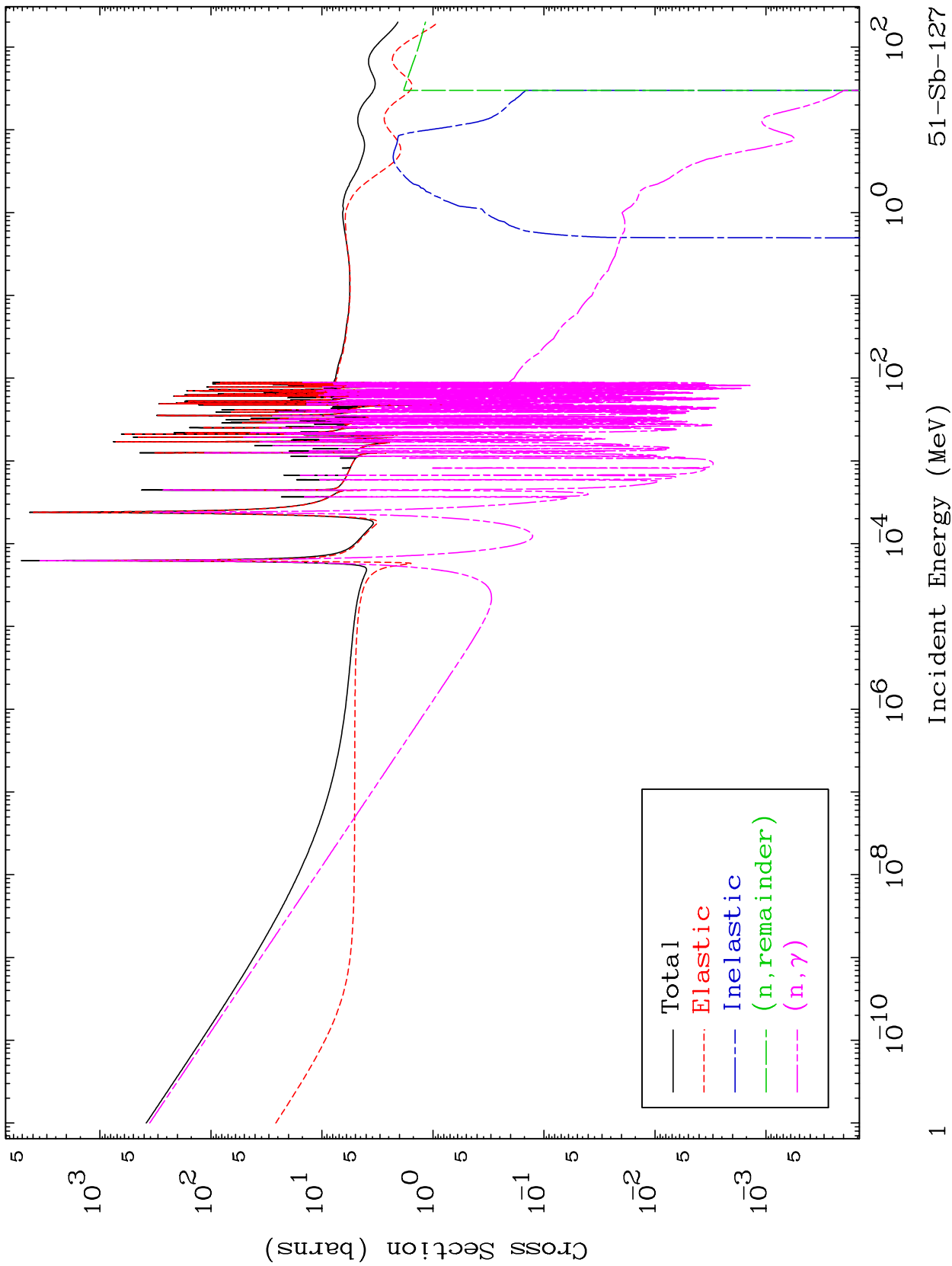
Press Mouse Button to Start

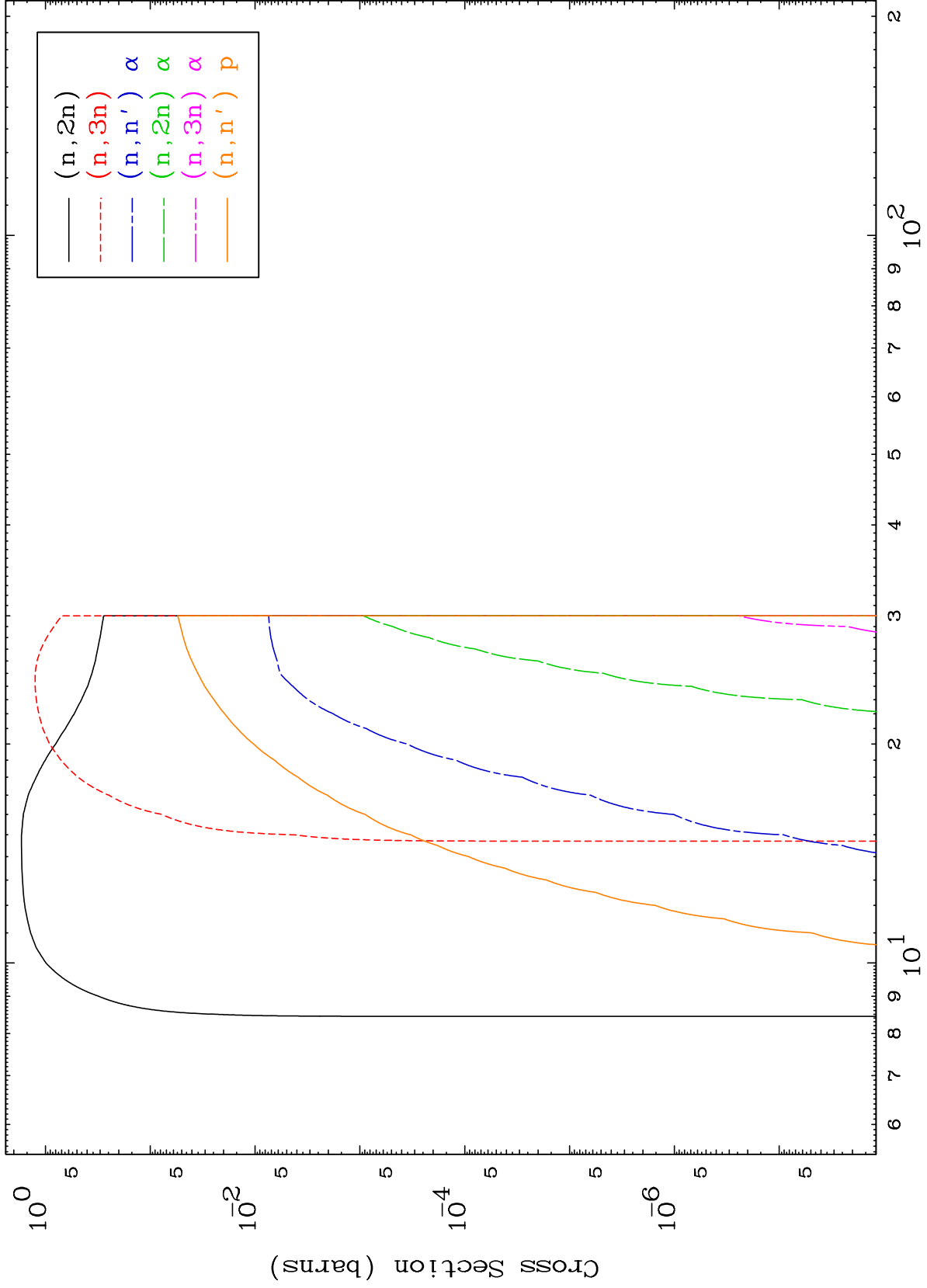
MAT 5143

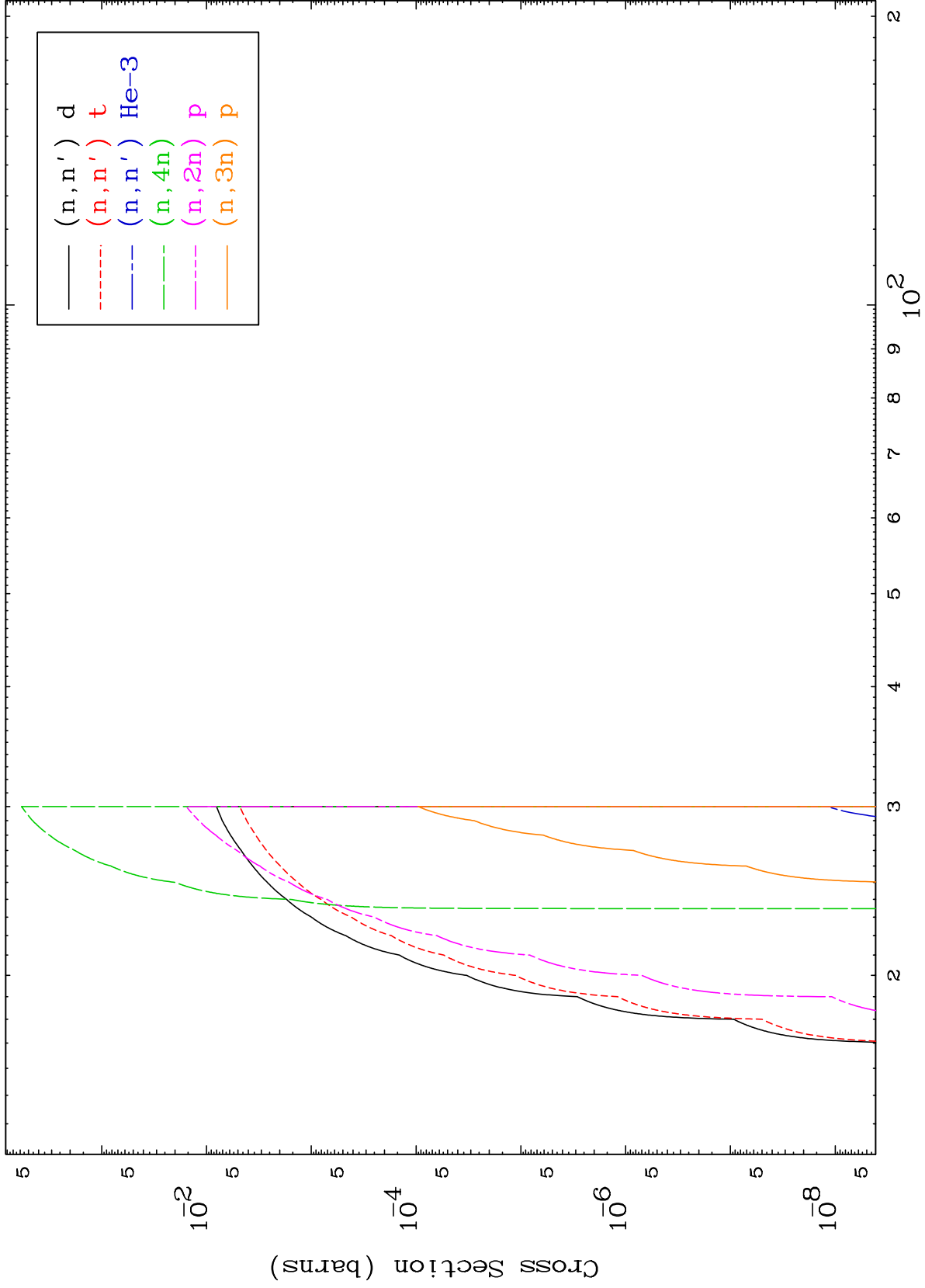
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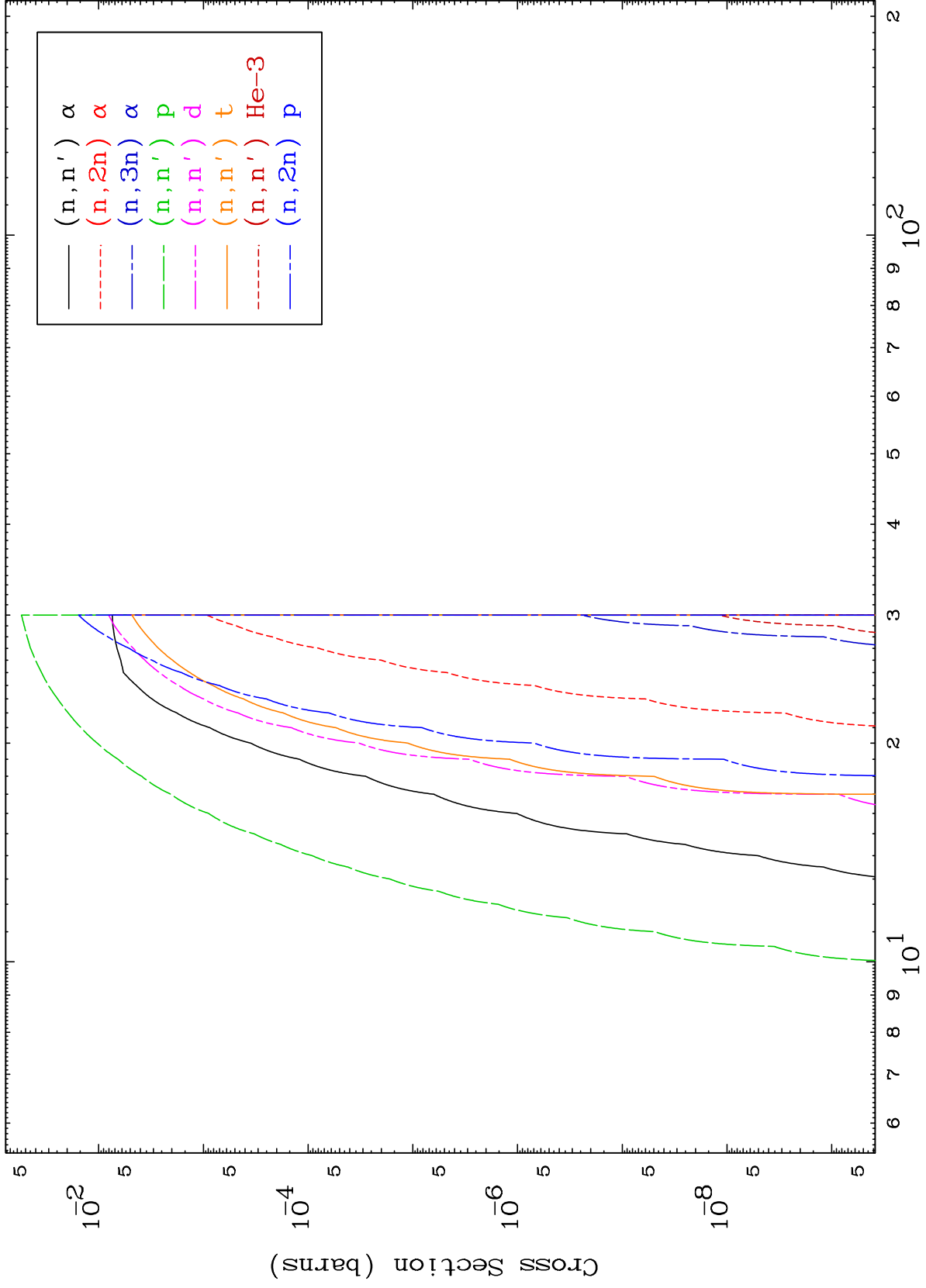
293 Kelvin Cross Sections

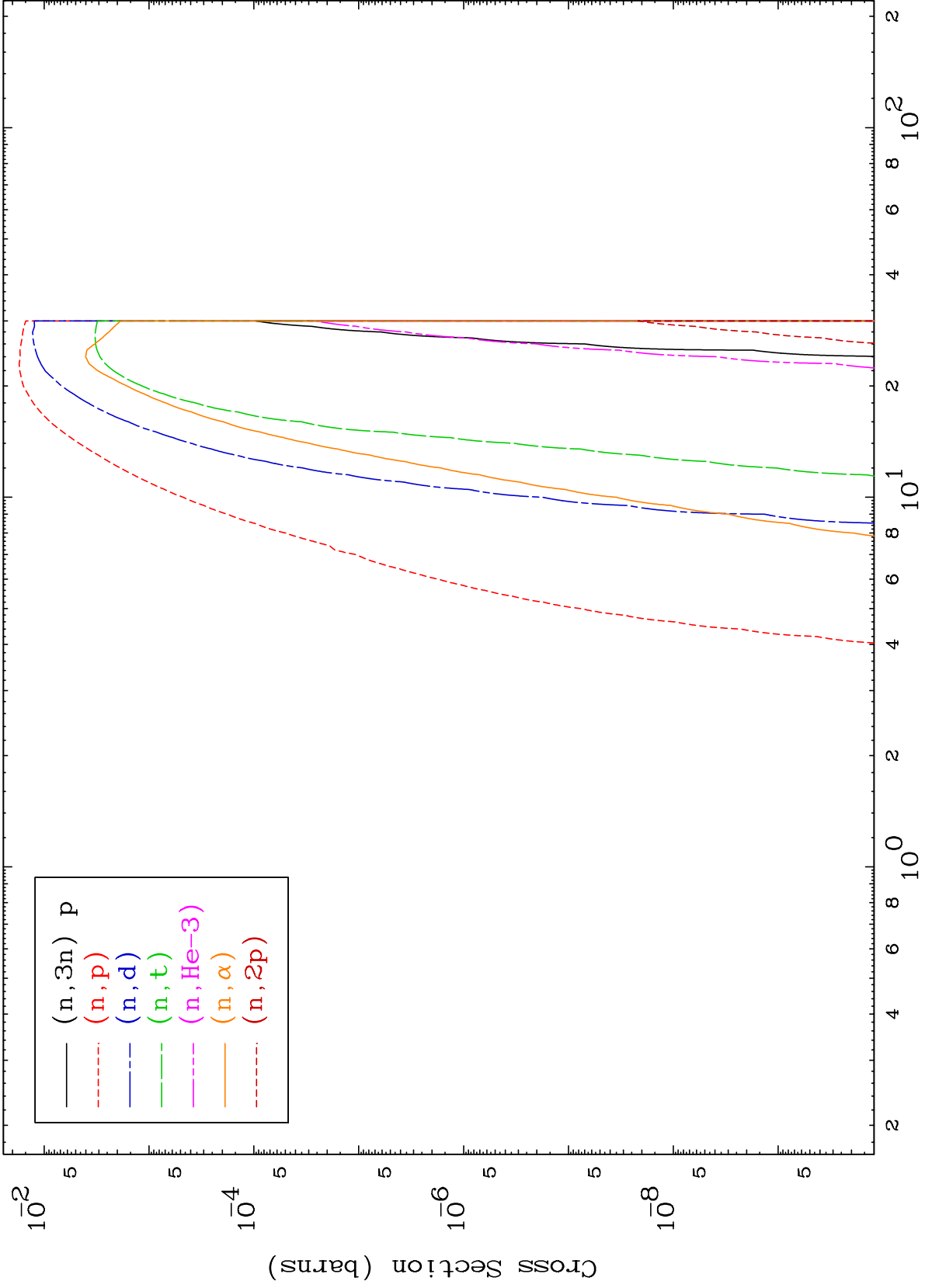
51-Sb-127







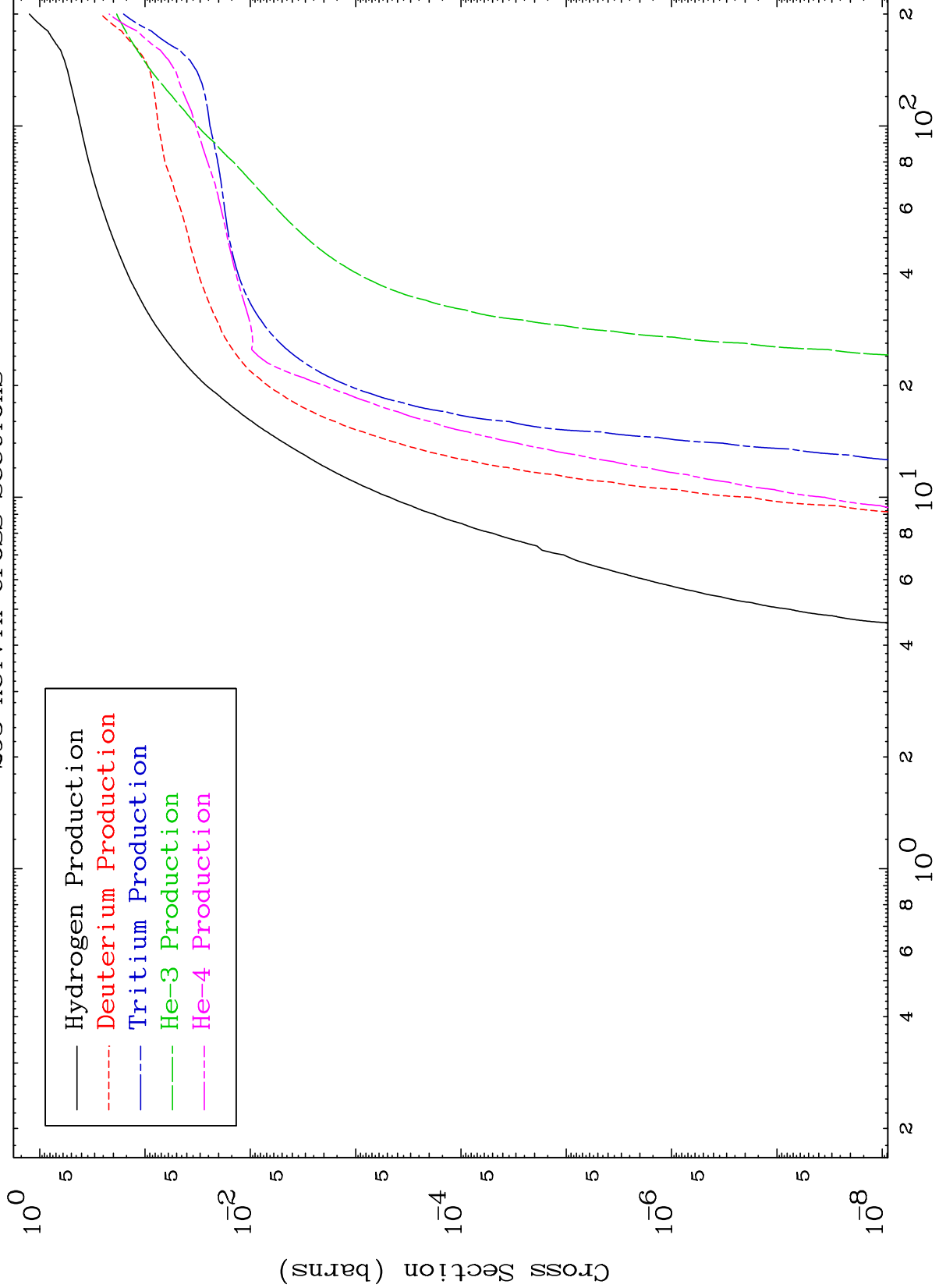




MAT 5143

Particle Production  
293 Kelvin Cross Sections

51-Sb-127



6

Incident Energy (MeV)

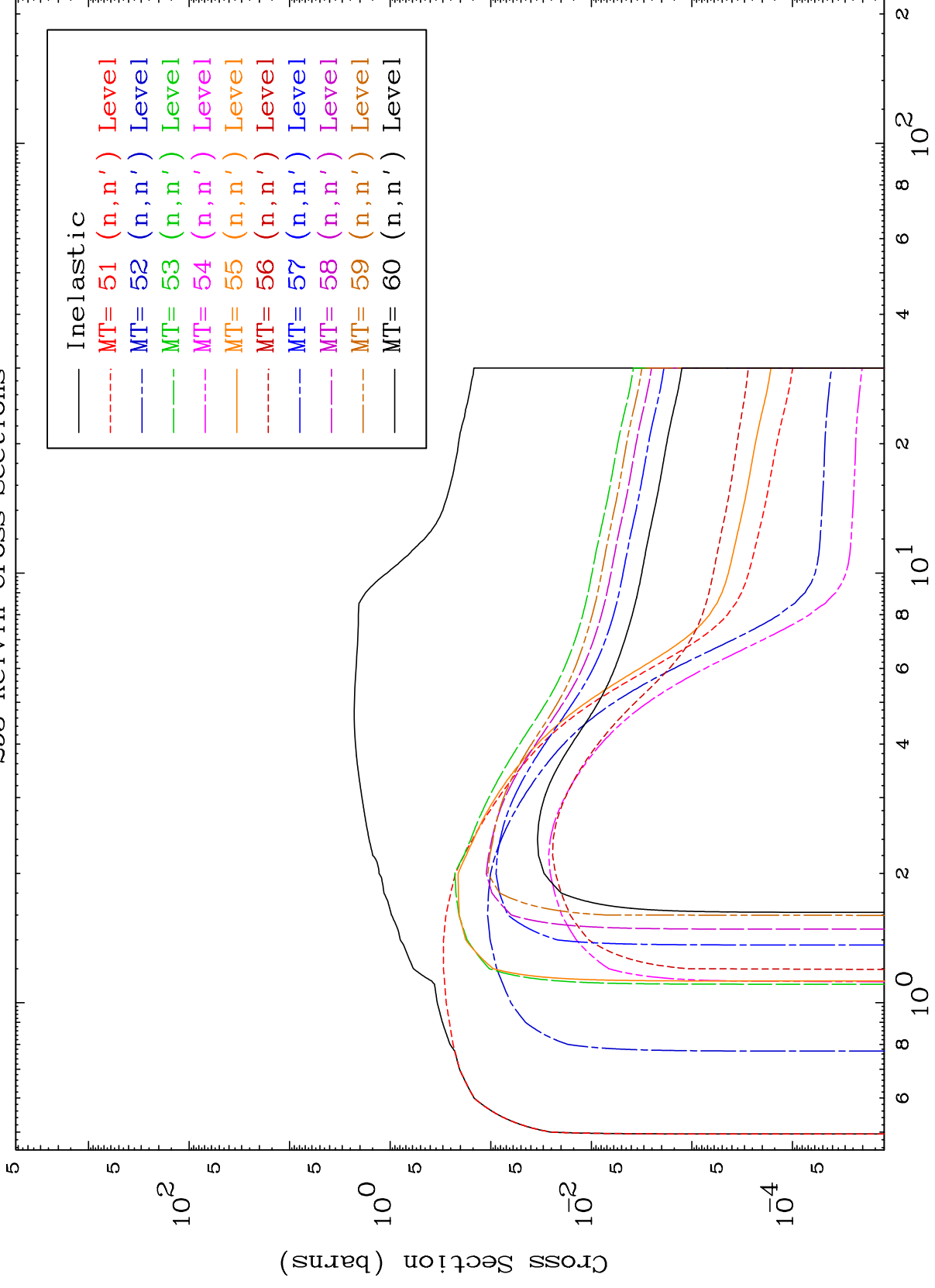
51-Sb-127

MAT 5143

(n,n') Level

51-Sb-127

293 Kelvin Cross Sections



7

Incident Energy (MeV)

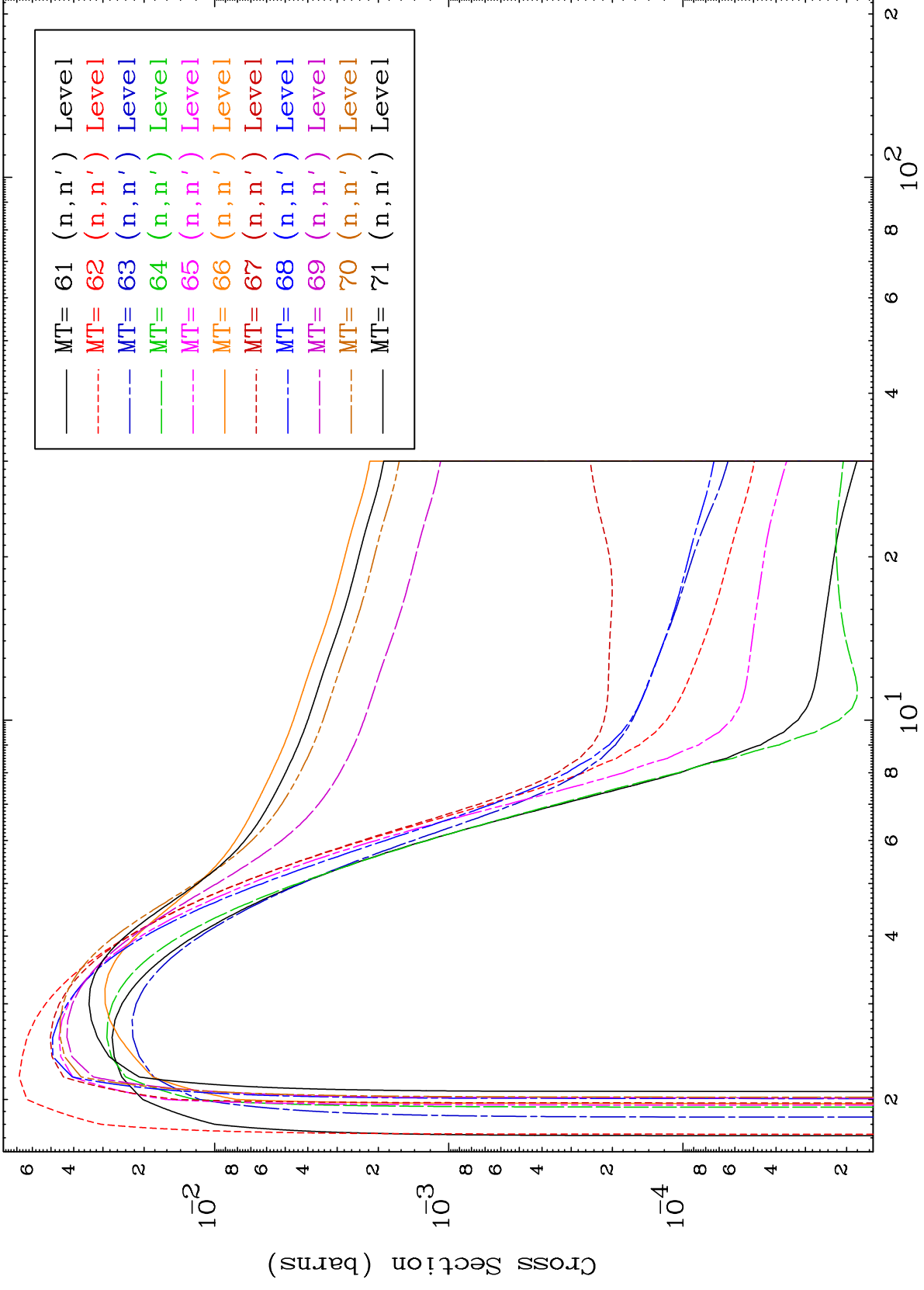
51-Sb-127

MAT 5143

(n,n') Level

51-Sb-127

293 Kelvin Cross Sections

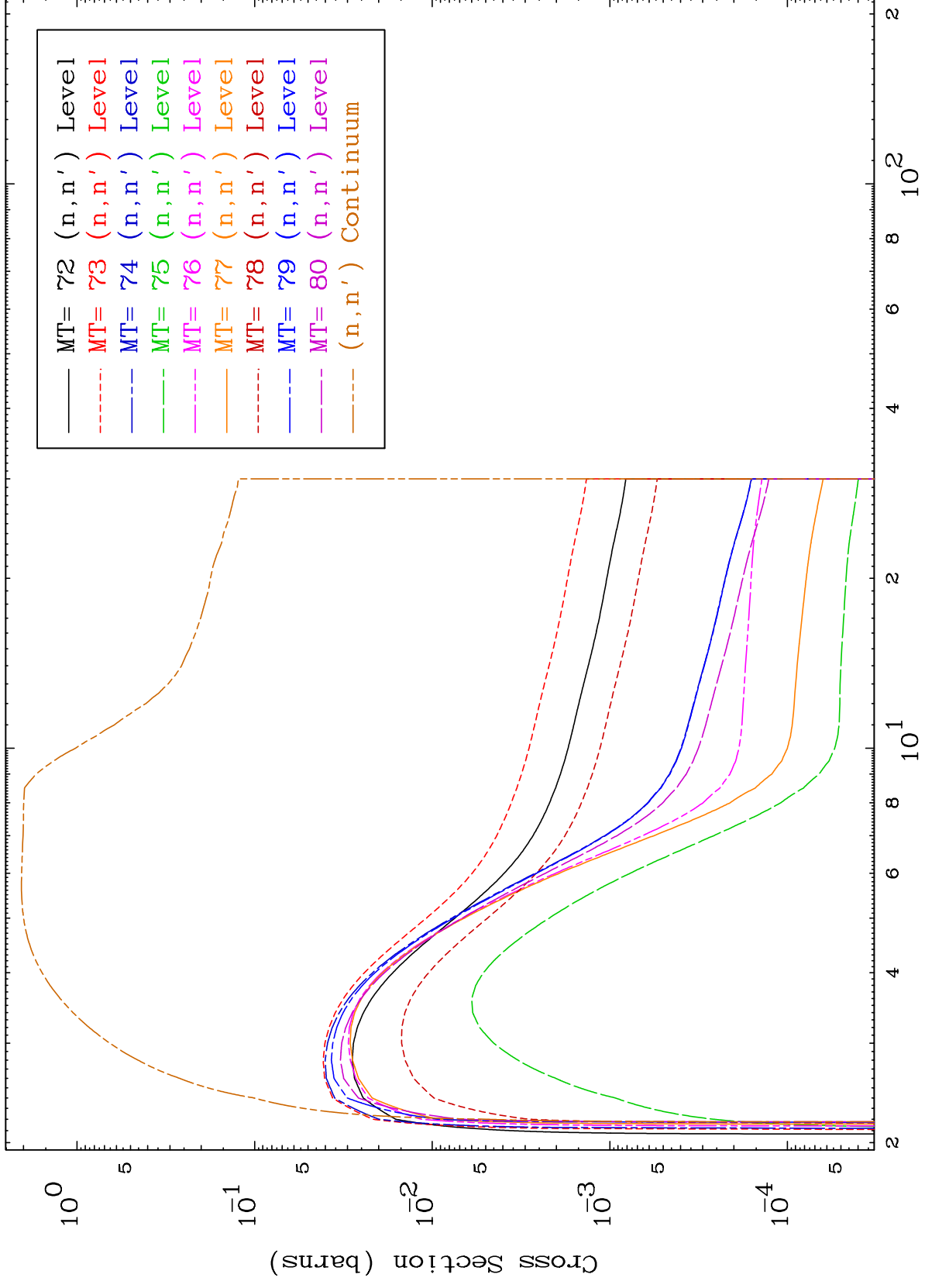


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Incident Energy (MeV)

51-Sb-127

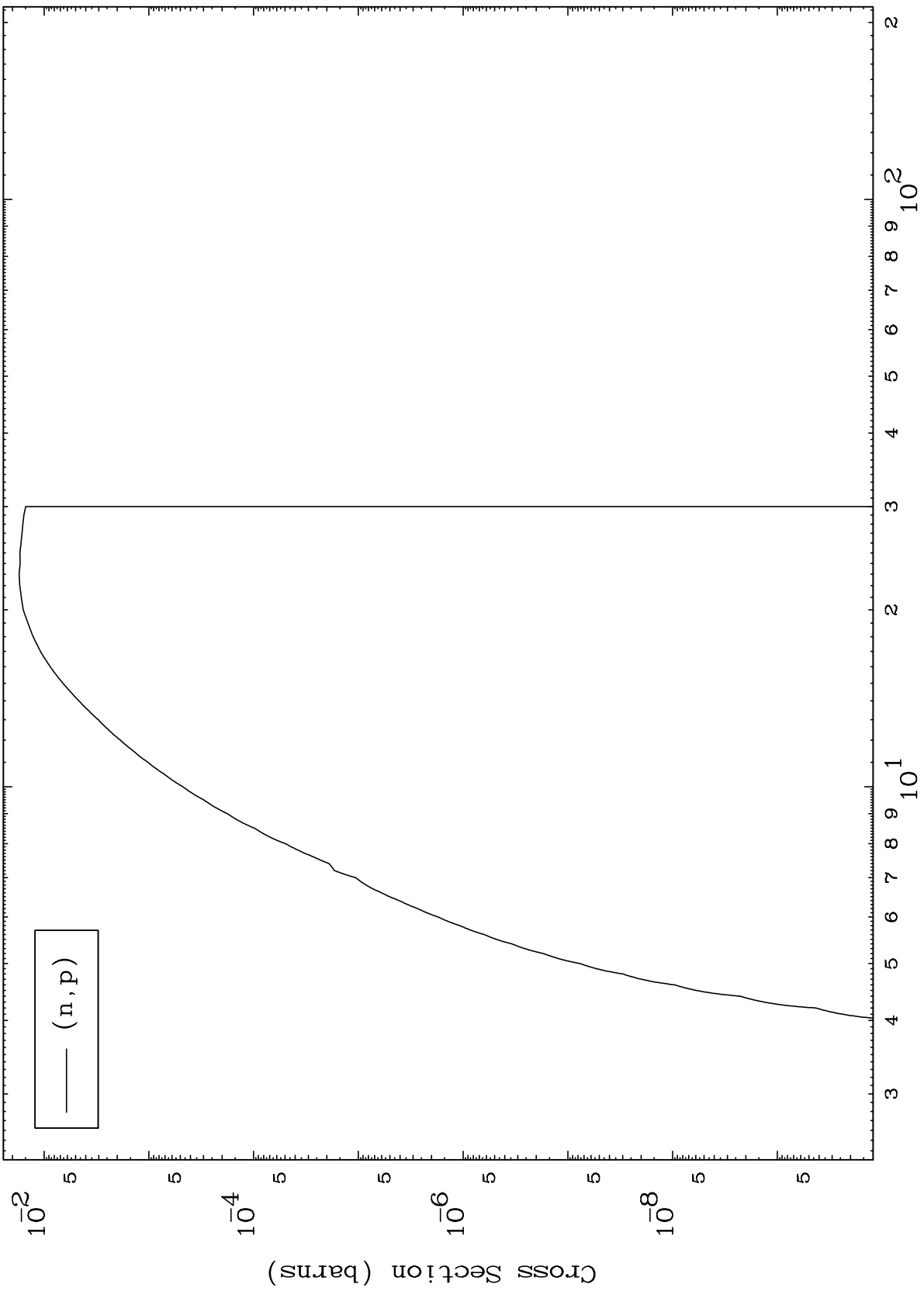
293 Kelvin Cross Sections



MAT 5143

(n,p) Levels  
293 Kelvin Cross Sections

51-Sb-127



10

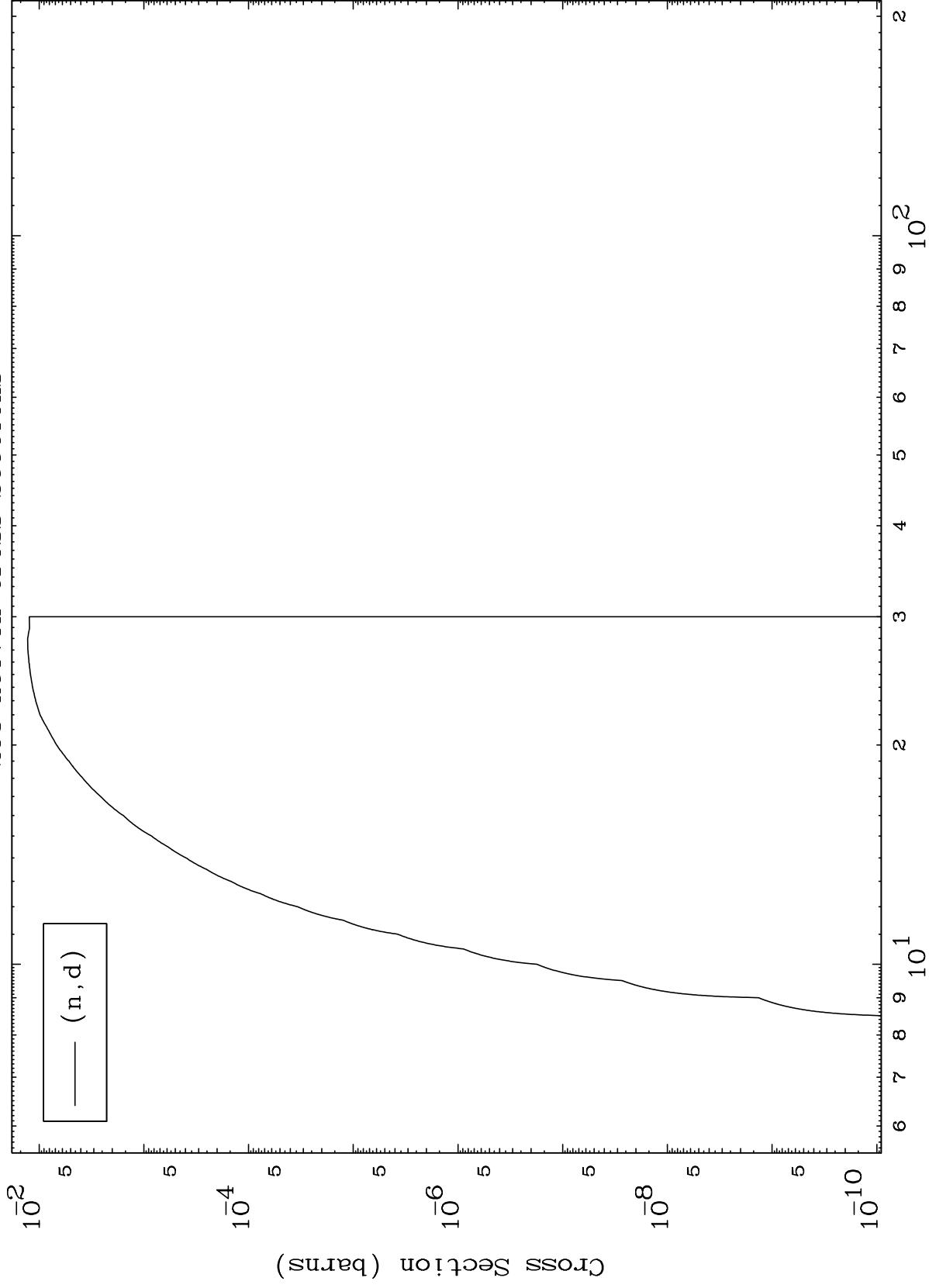
Incident Energy (MeV)

51-Sb-127

MAT 5143

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-127



11

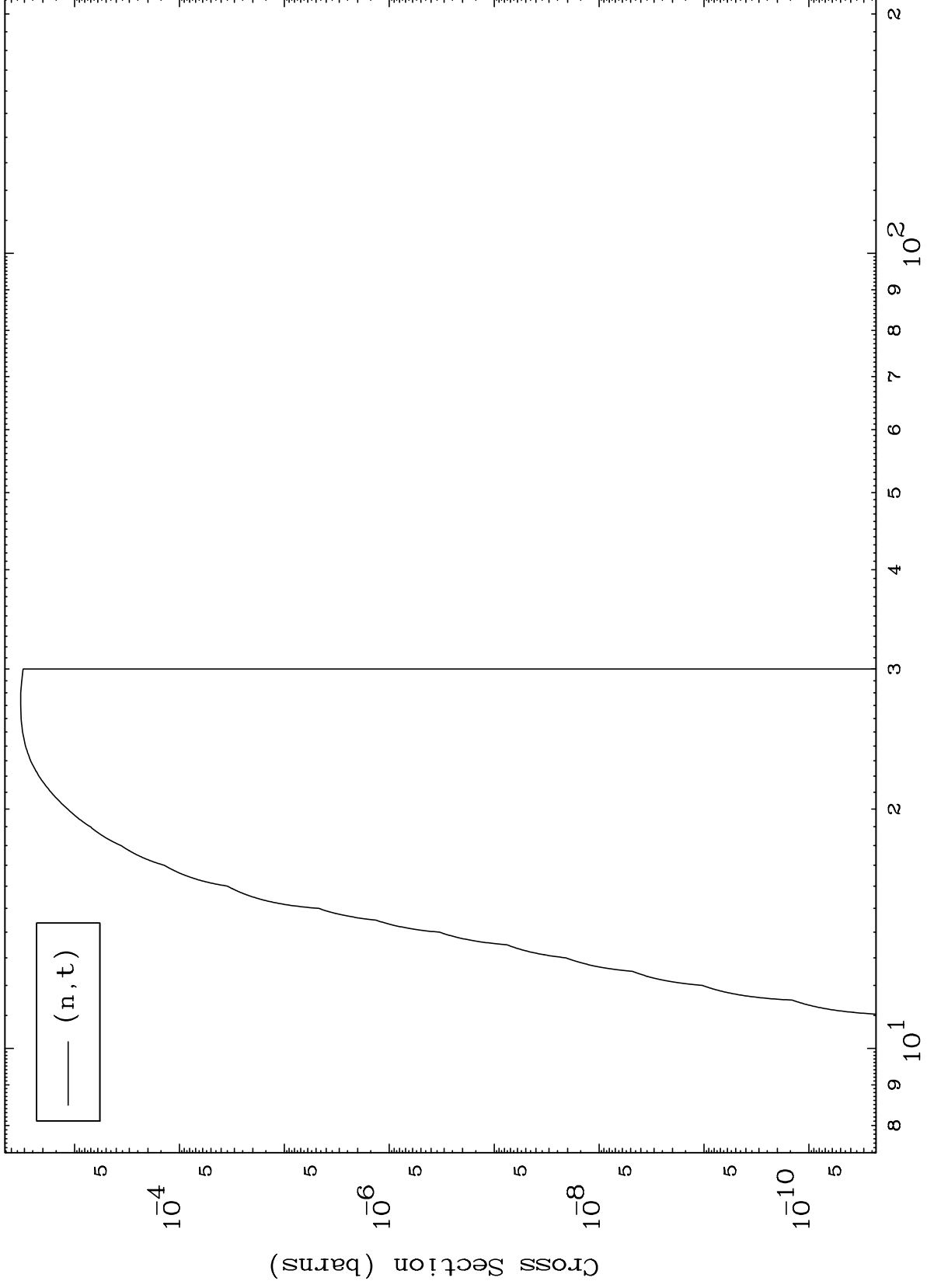
Incident Energy (MeV)

51-Sb-127

MAT 5143

(n,t) Levels  
293 Kelvin Cross Sections

51-Sb-127



12

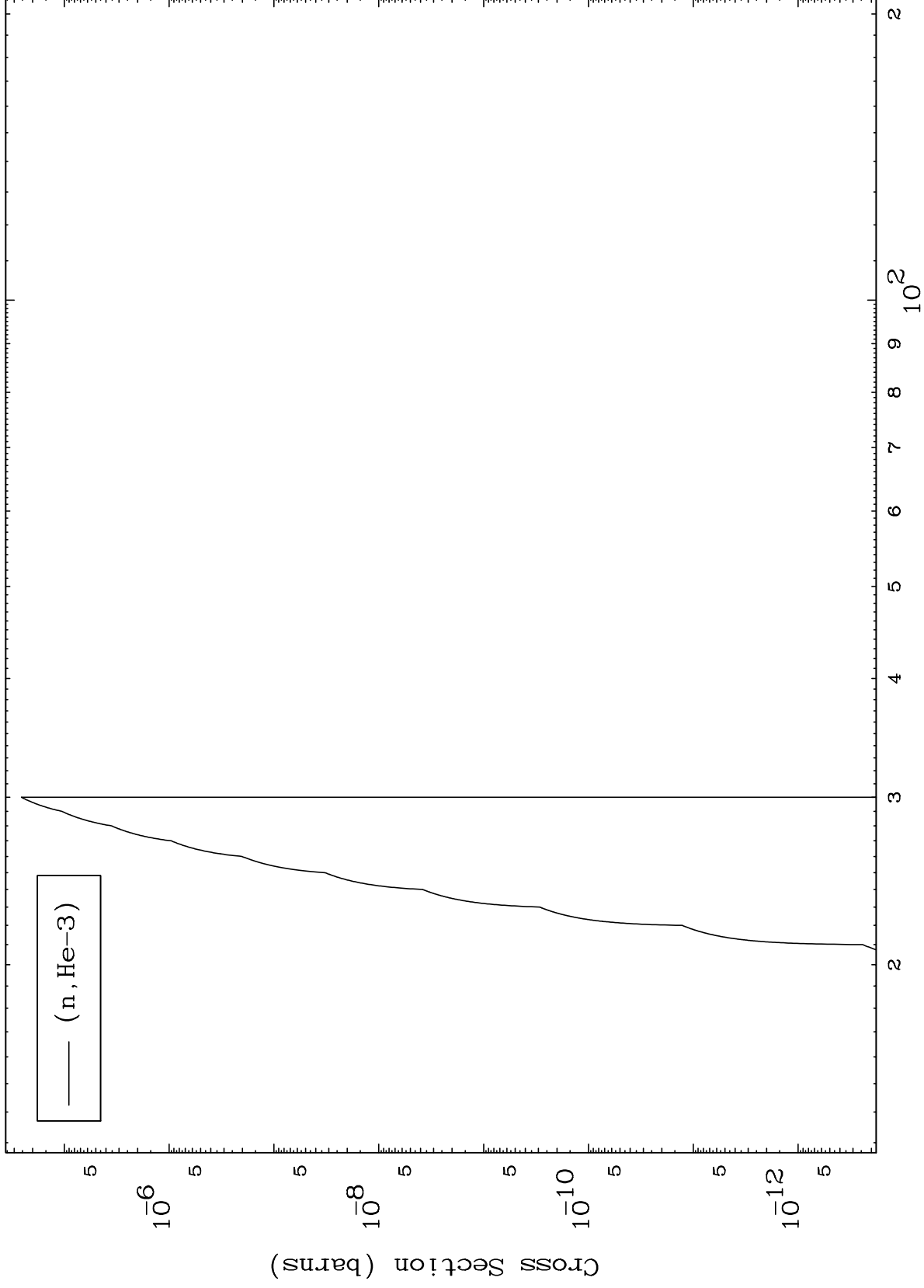
Incident Energy (MeV)

51-Sb-127

MAT 5143

(n,He3) Levels  
293 Kelvin Cross Sections

51-Sb-127



13

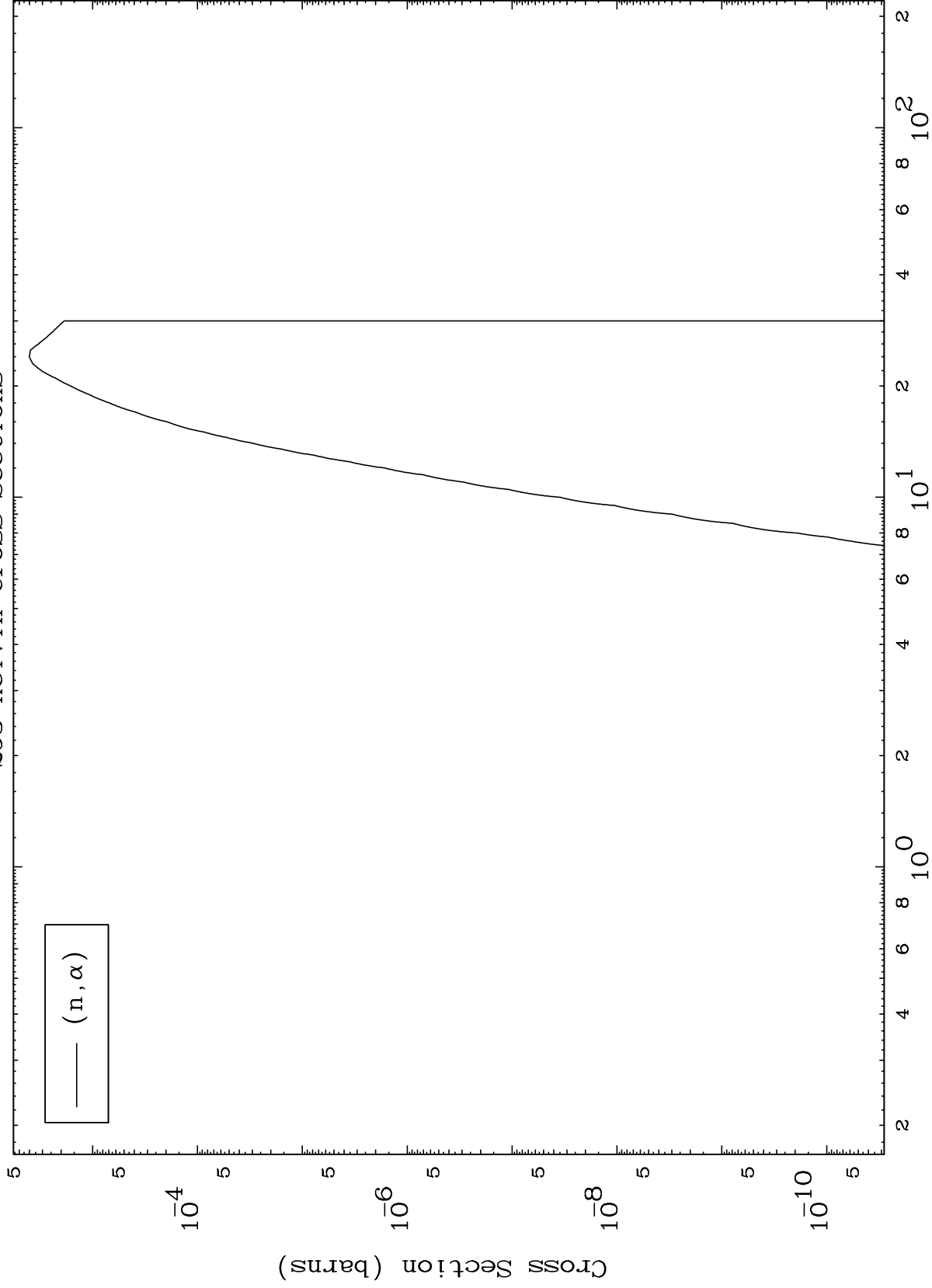
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

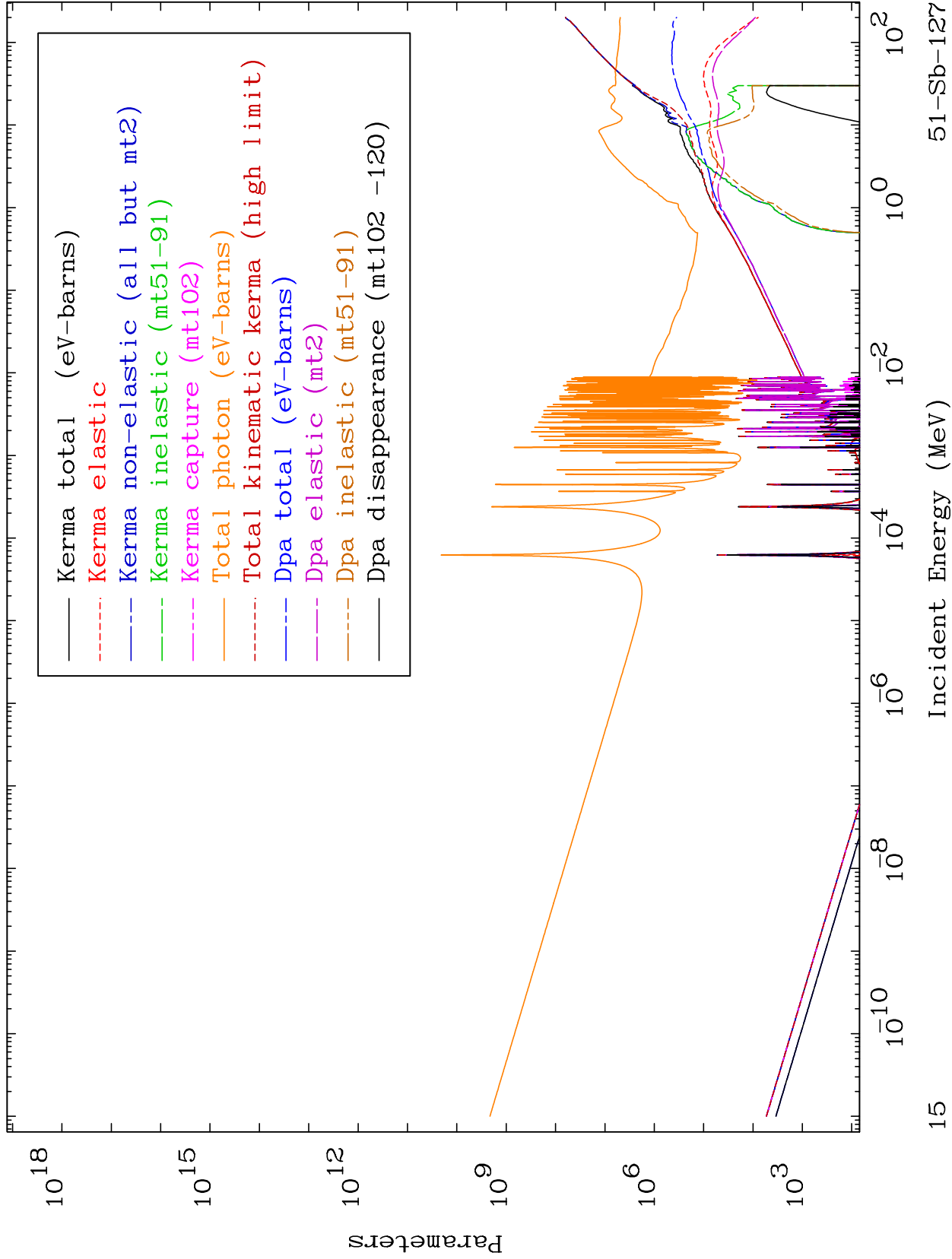
51-Sb-127



14

Incident Energy (MeV)

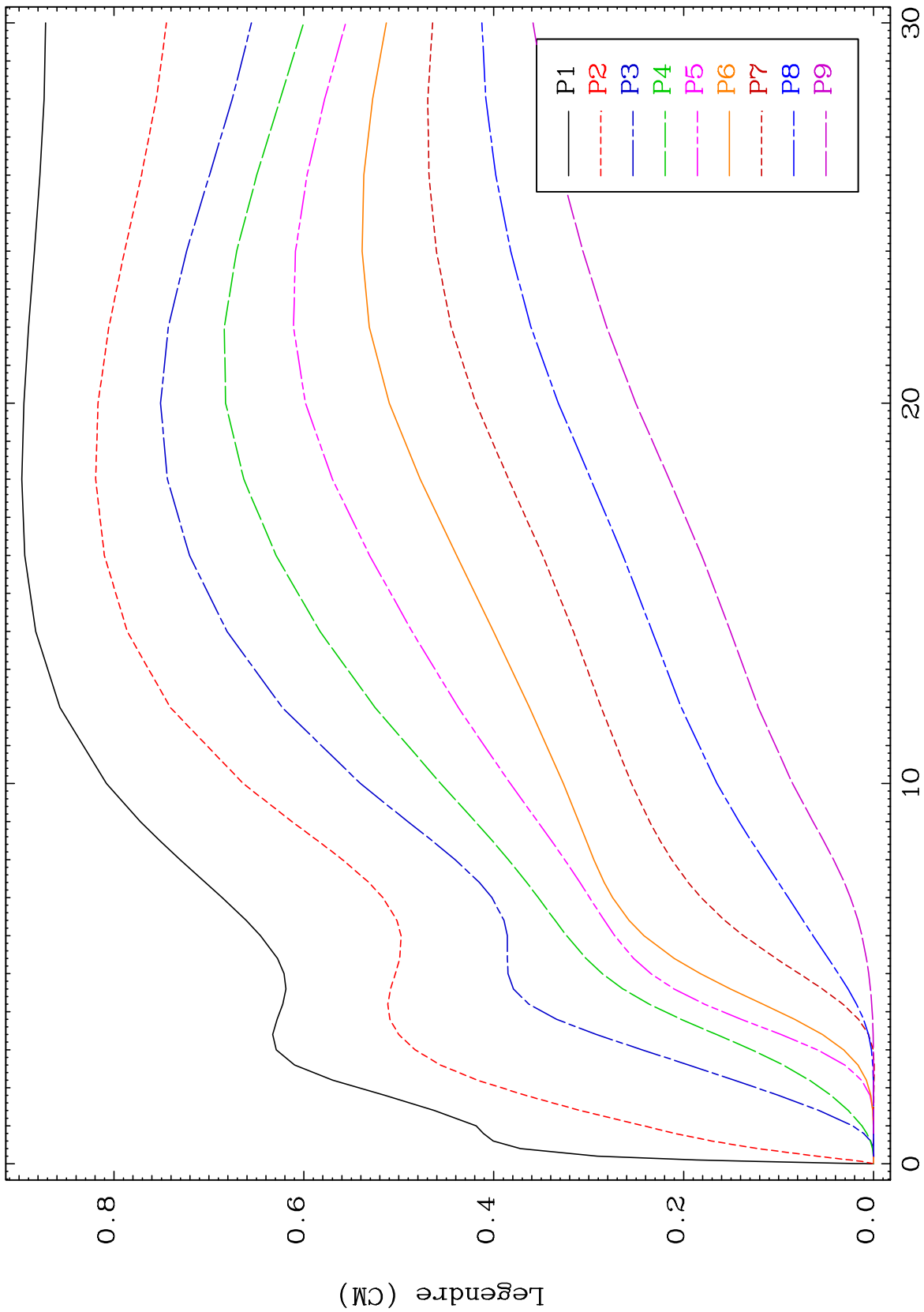
51-Sb-127



MAT 5143

51-Sb-127

Elastic Legendre Coefficients



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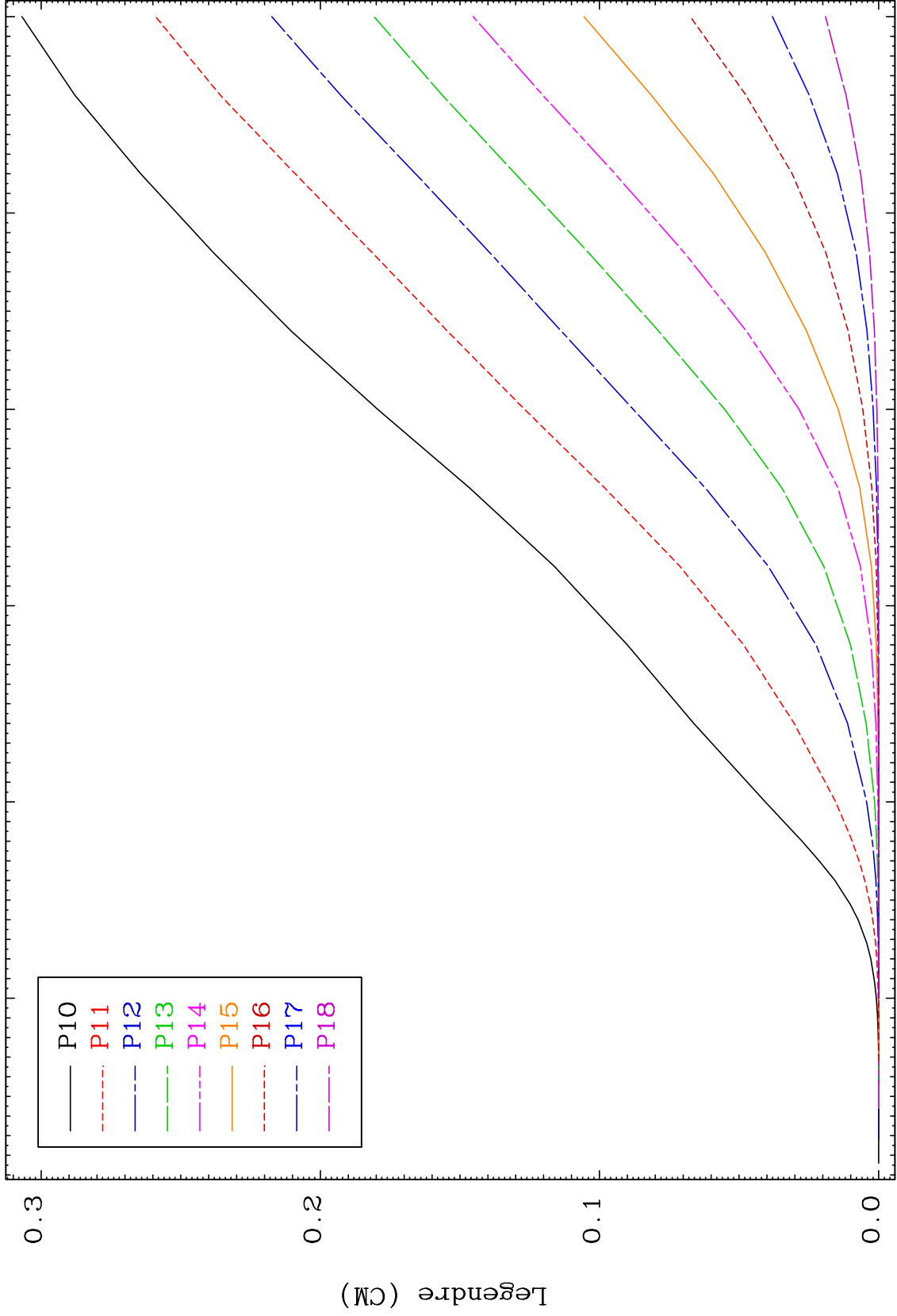
Incident Energy (MeV)

51-Sb-127

MAT 5143

Elastic Legendre Coefficients

51-Sb-127



17

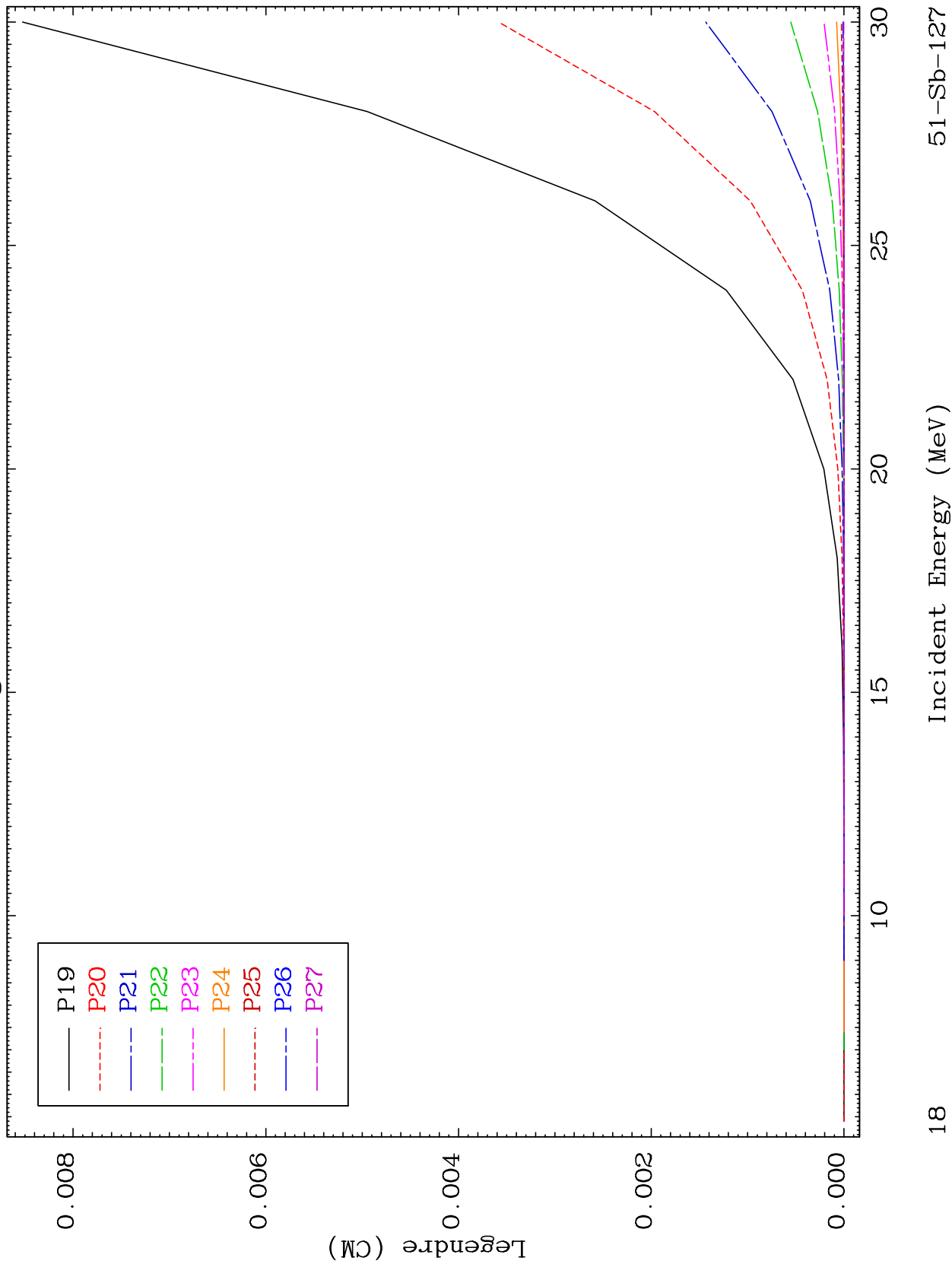
Incident Energy (MeV)

51-Sb-127

MAT 5143

### Elastic Legendre Coefficients

51-Sb-127



18

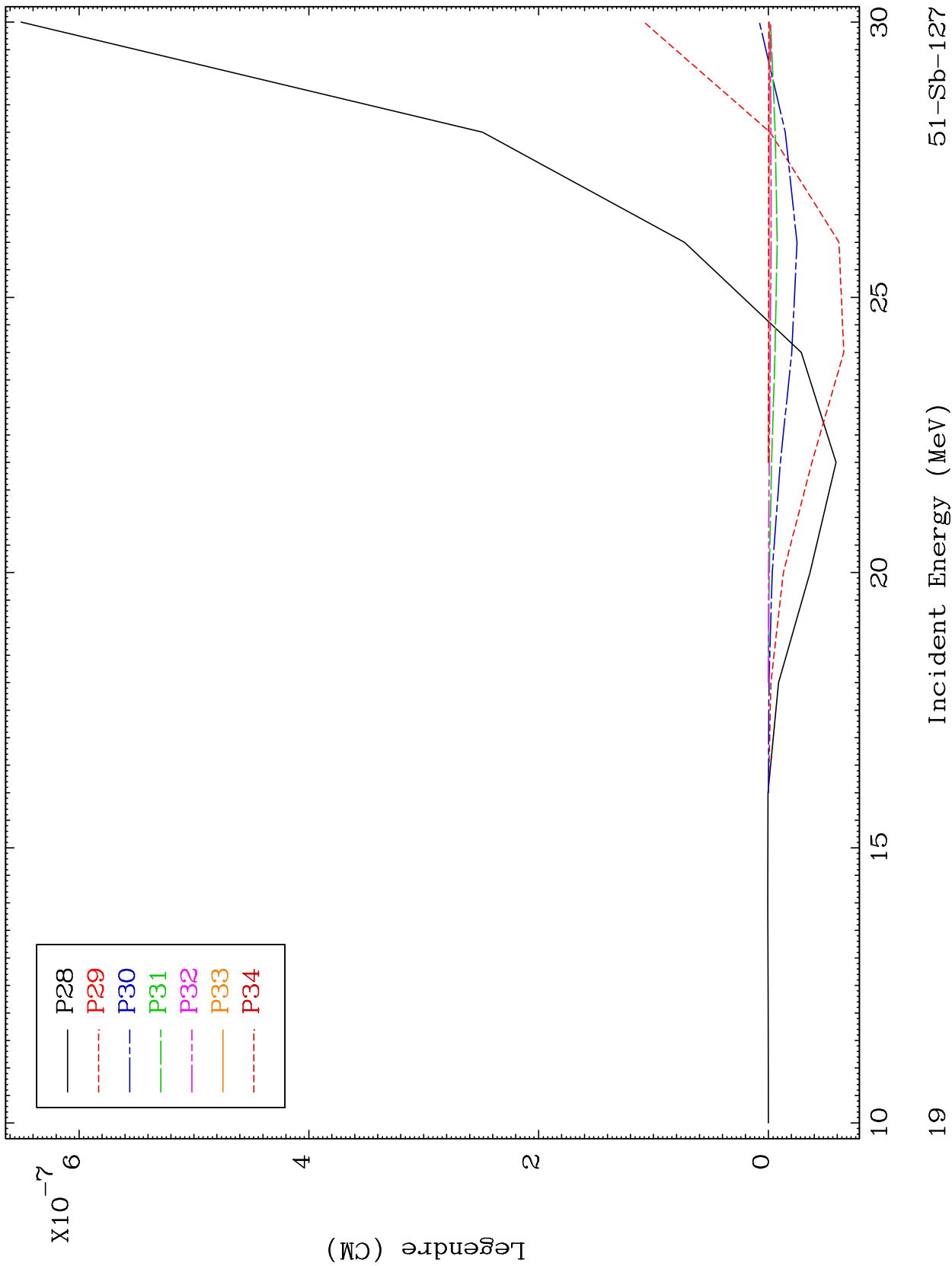
Incident Energy (MeV)

51-Sb-127

MAT 5143

Elastic Legendre Coefficients

51-Sb-127

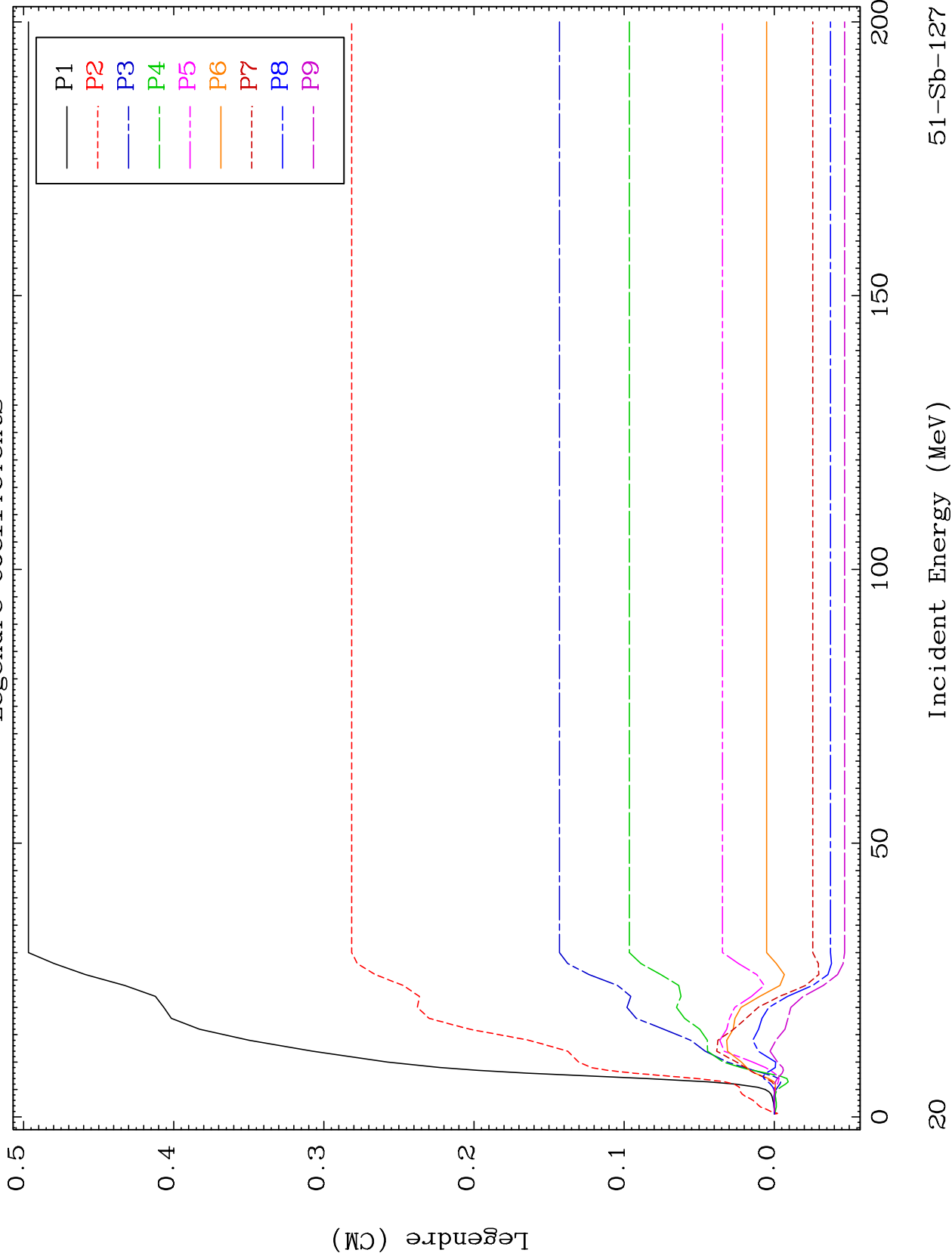


MAT 5143

MT= 51 (n,n') Level

51-Sb-127

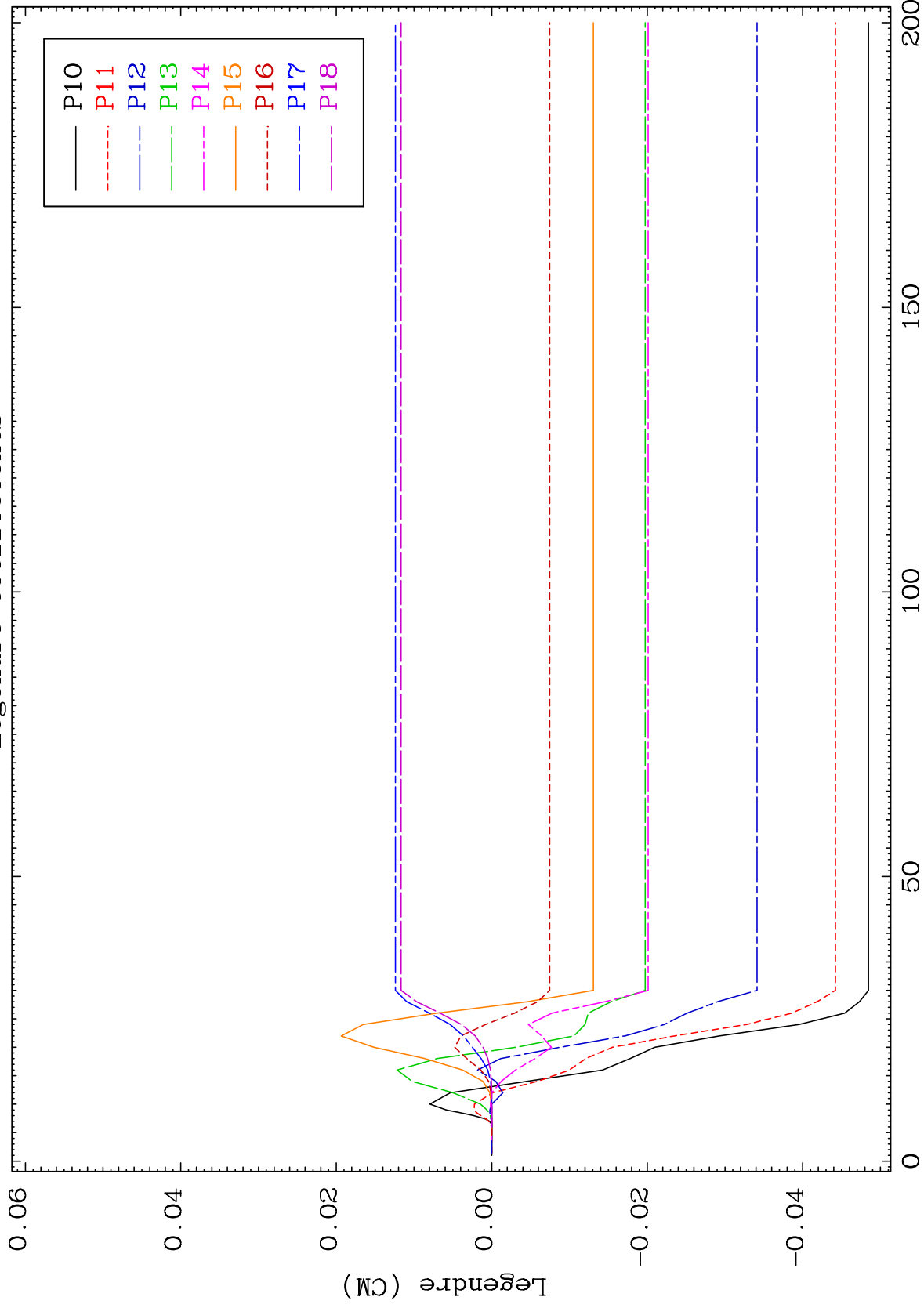
Legendre Coefficients



MAT 5143

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

51-Sb-127



21

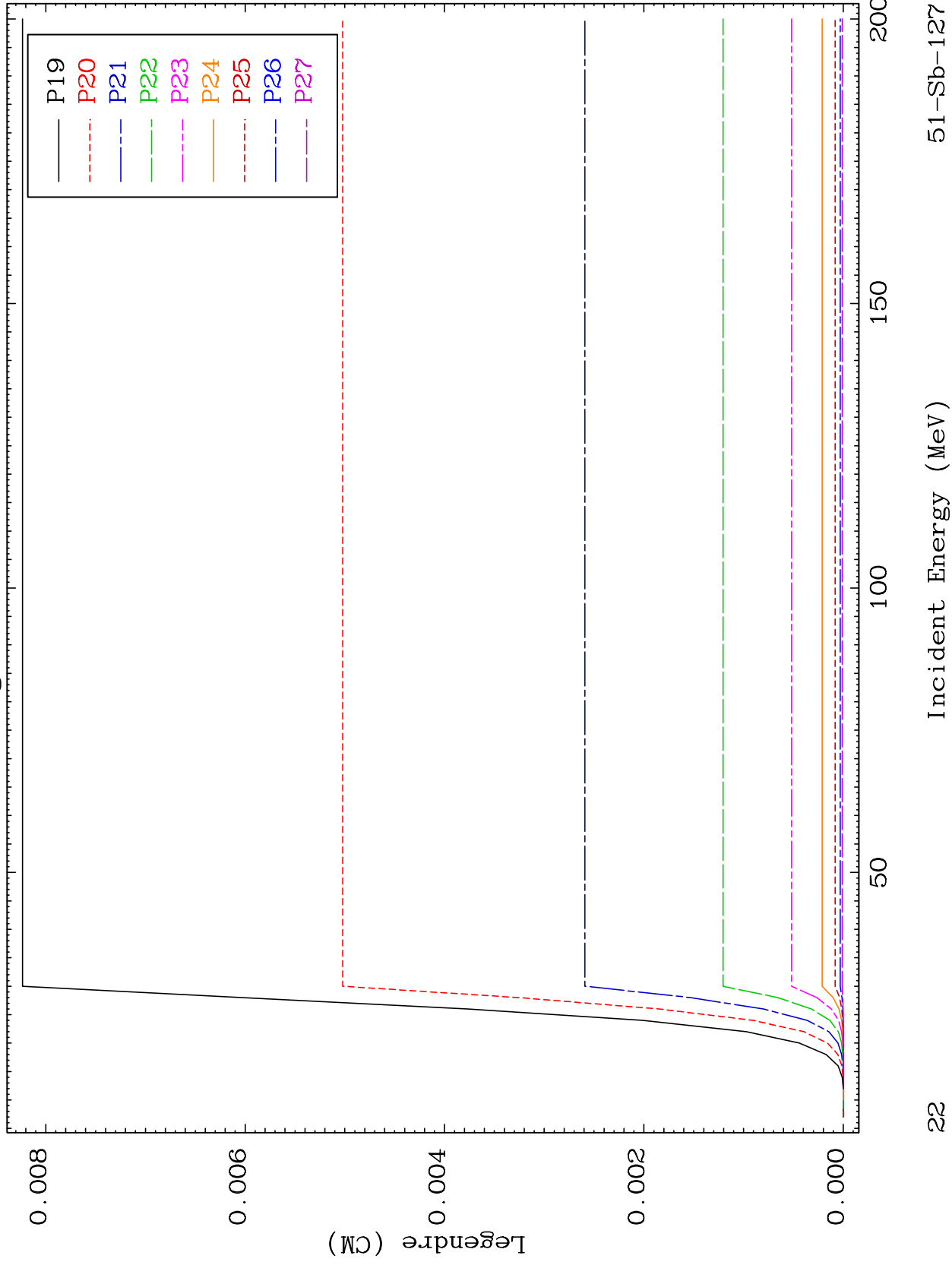
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



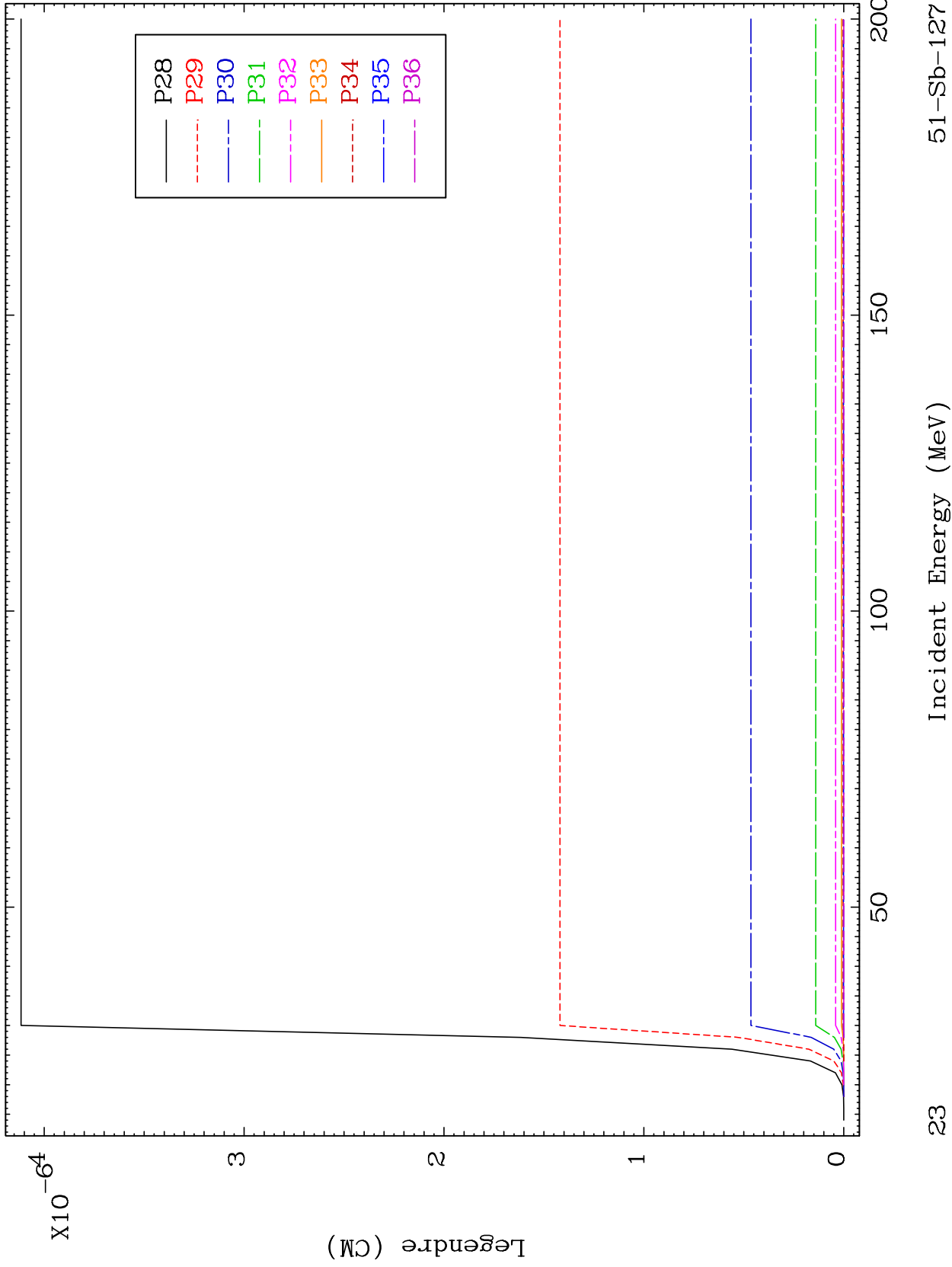
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51-Sb-127

MAT 5143

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

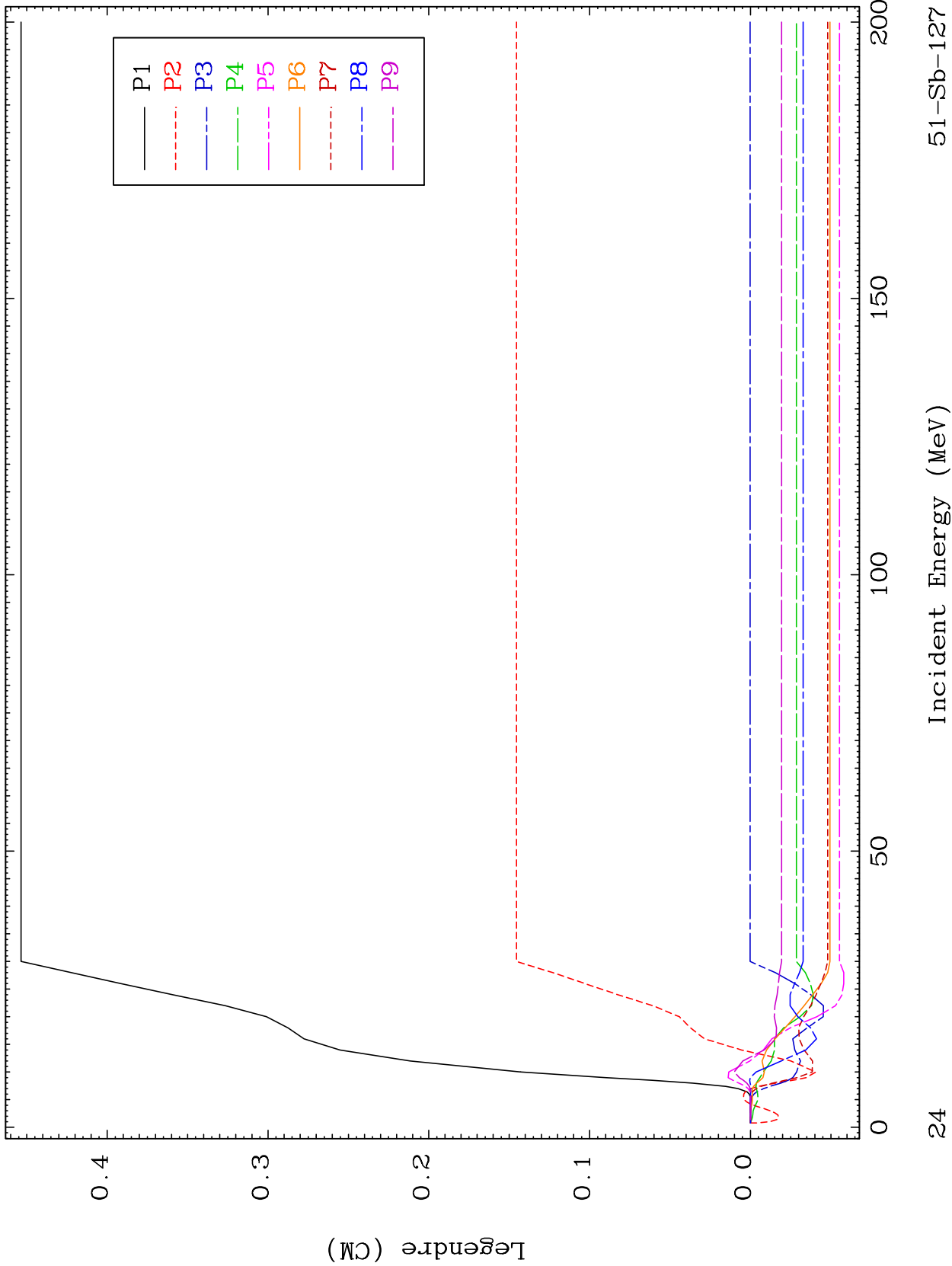
51-Sb-127



MAT 5143

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

51-Sb-127



24

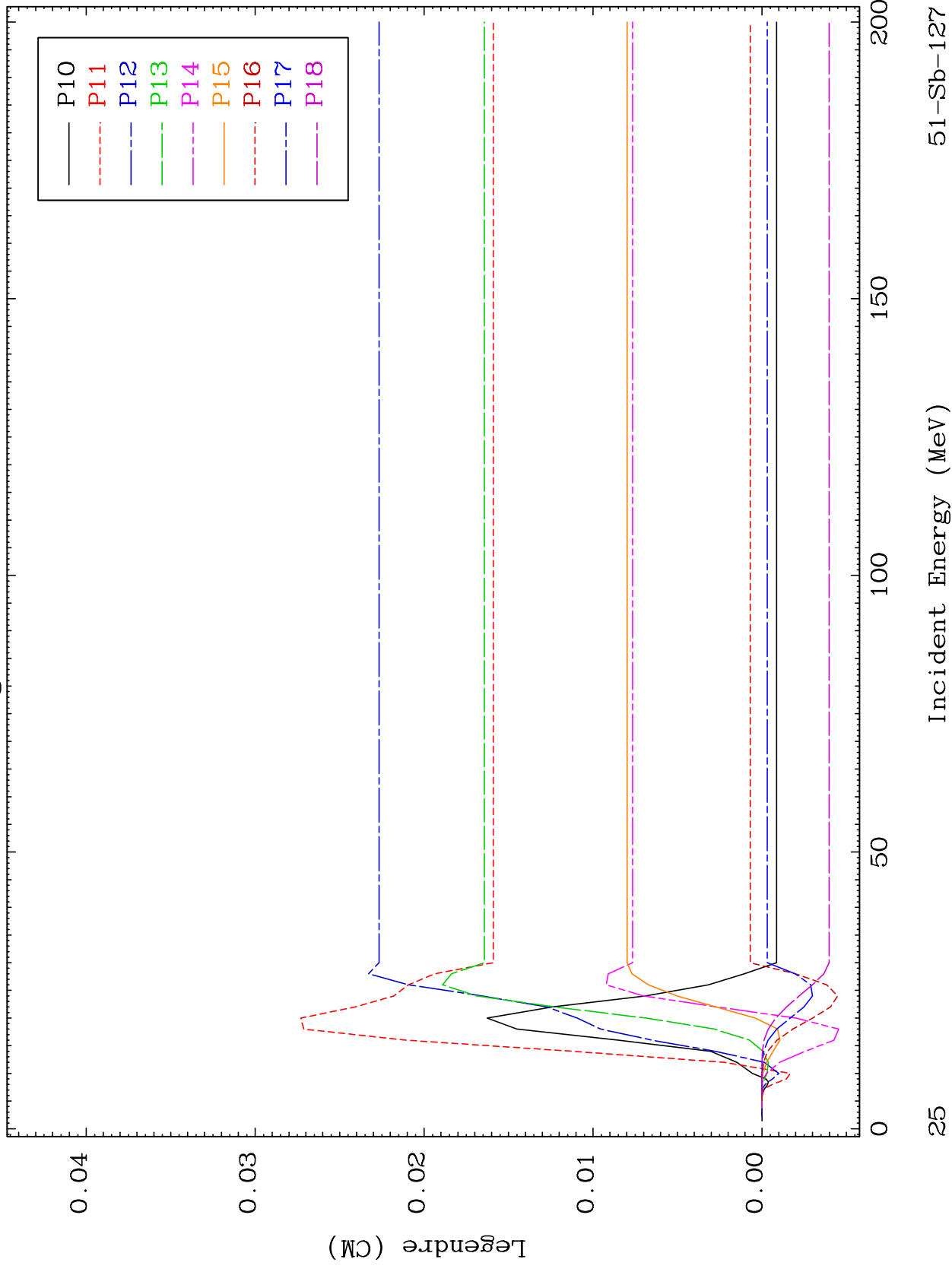
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

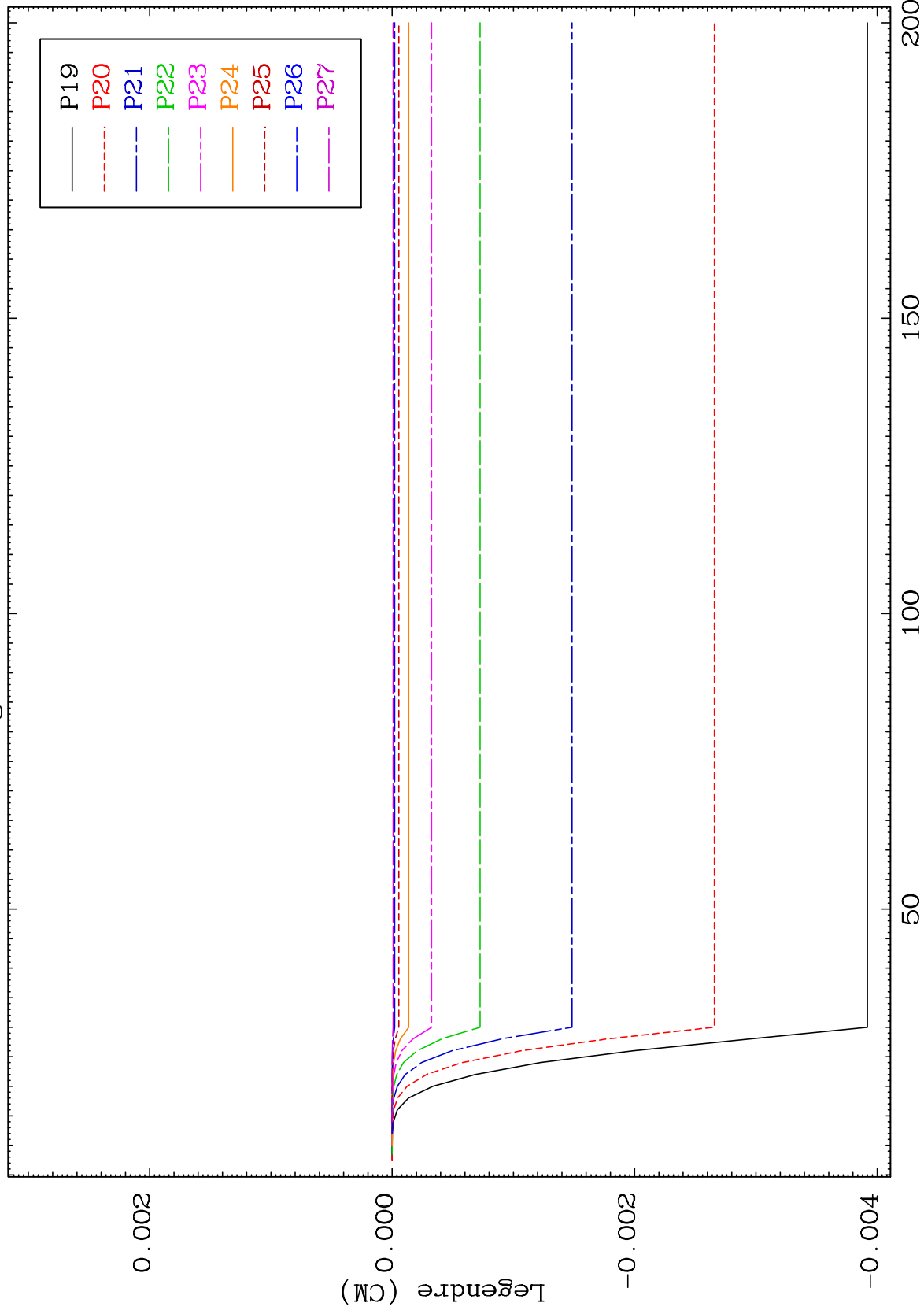
51-Sb-127



51-Sb-127

Incident Energy (MeV)

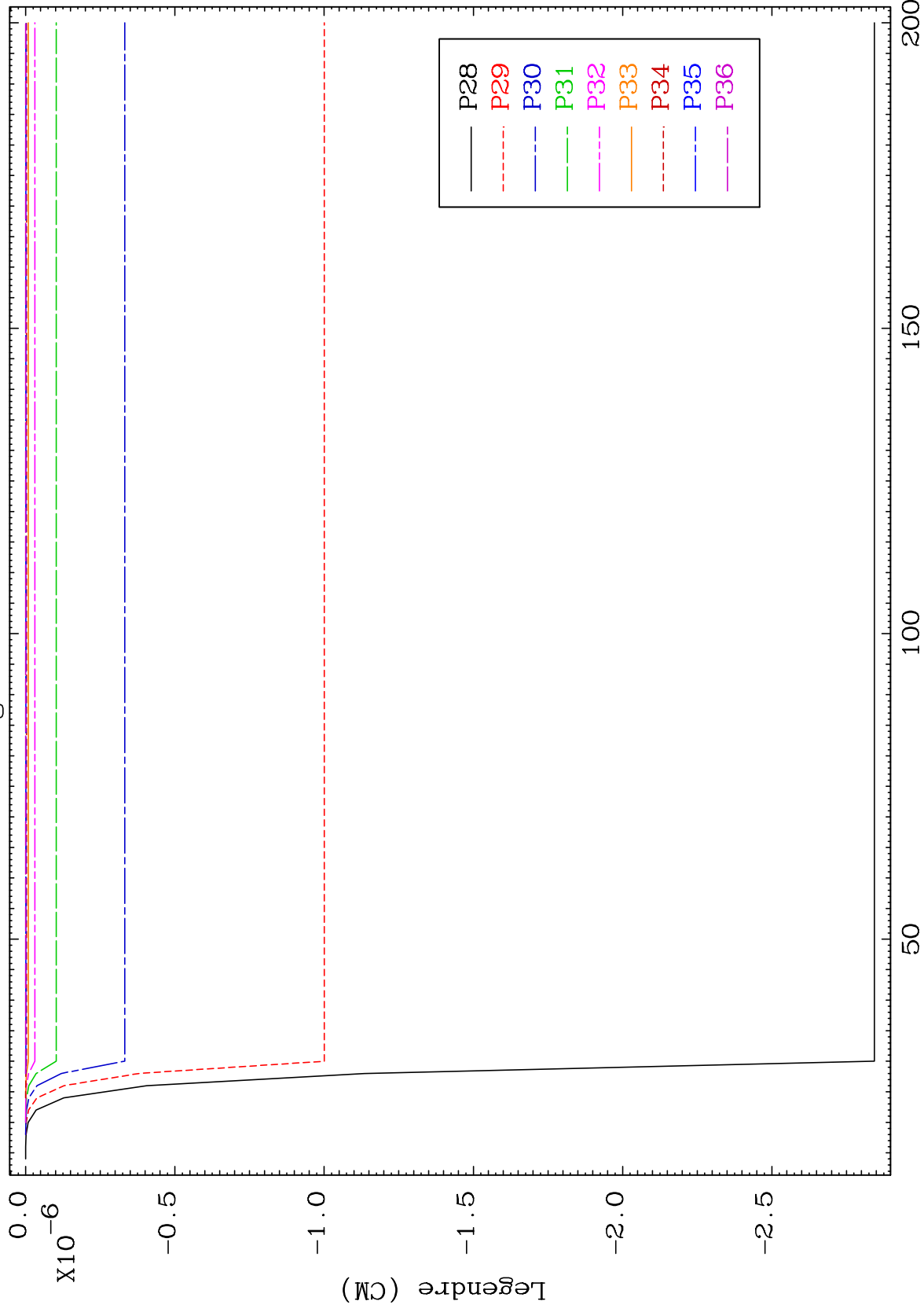
25



MAT 5143

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

51-Sb-127

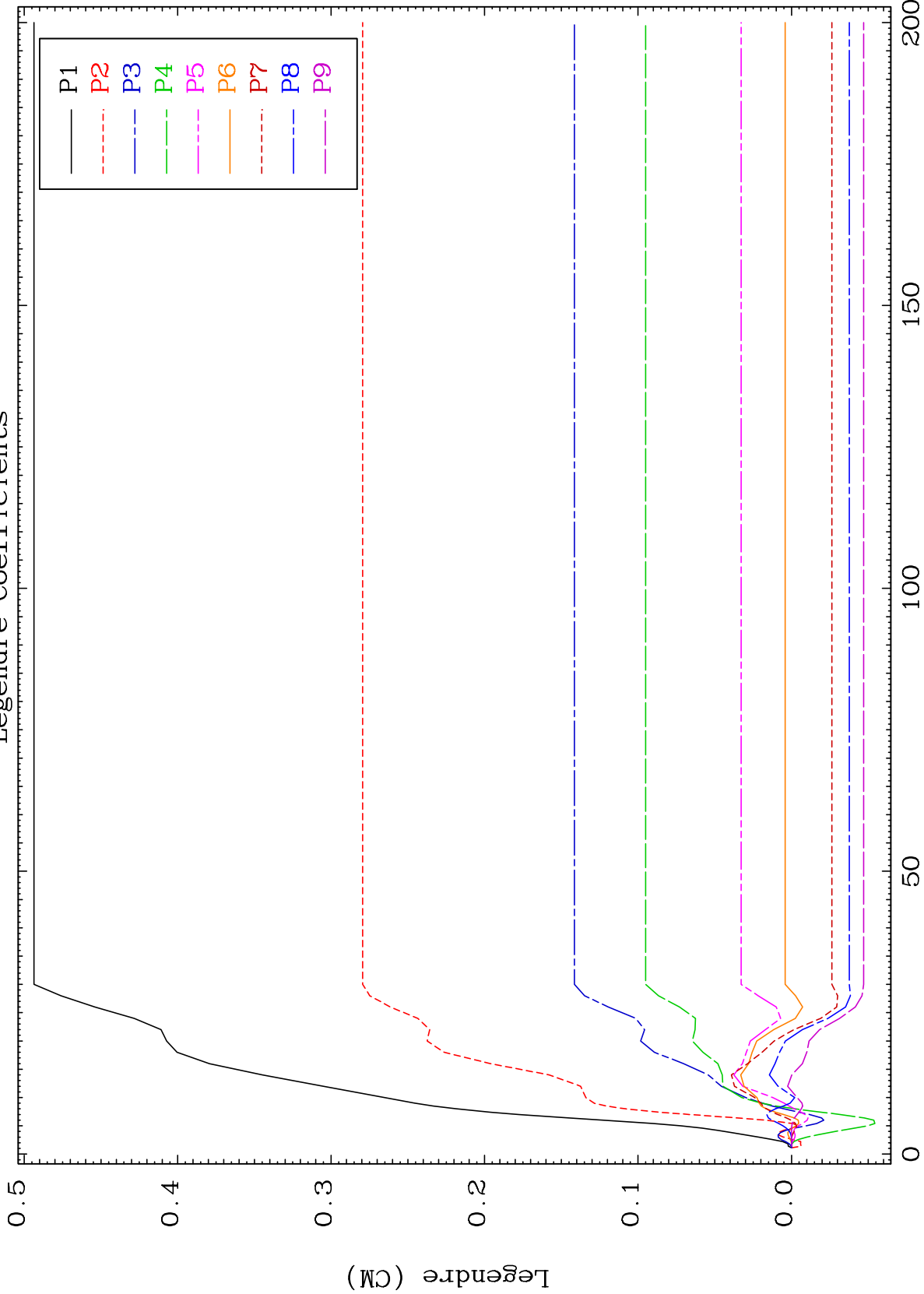


MAT 5143

MT= 53 (n,n') Level

51-Sb-127

Legendre Coefficients



28

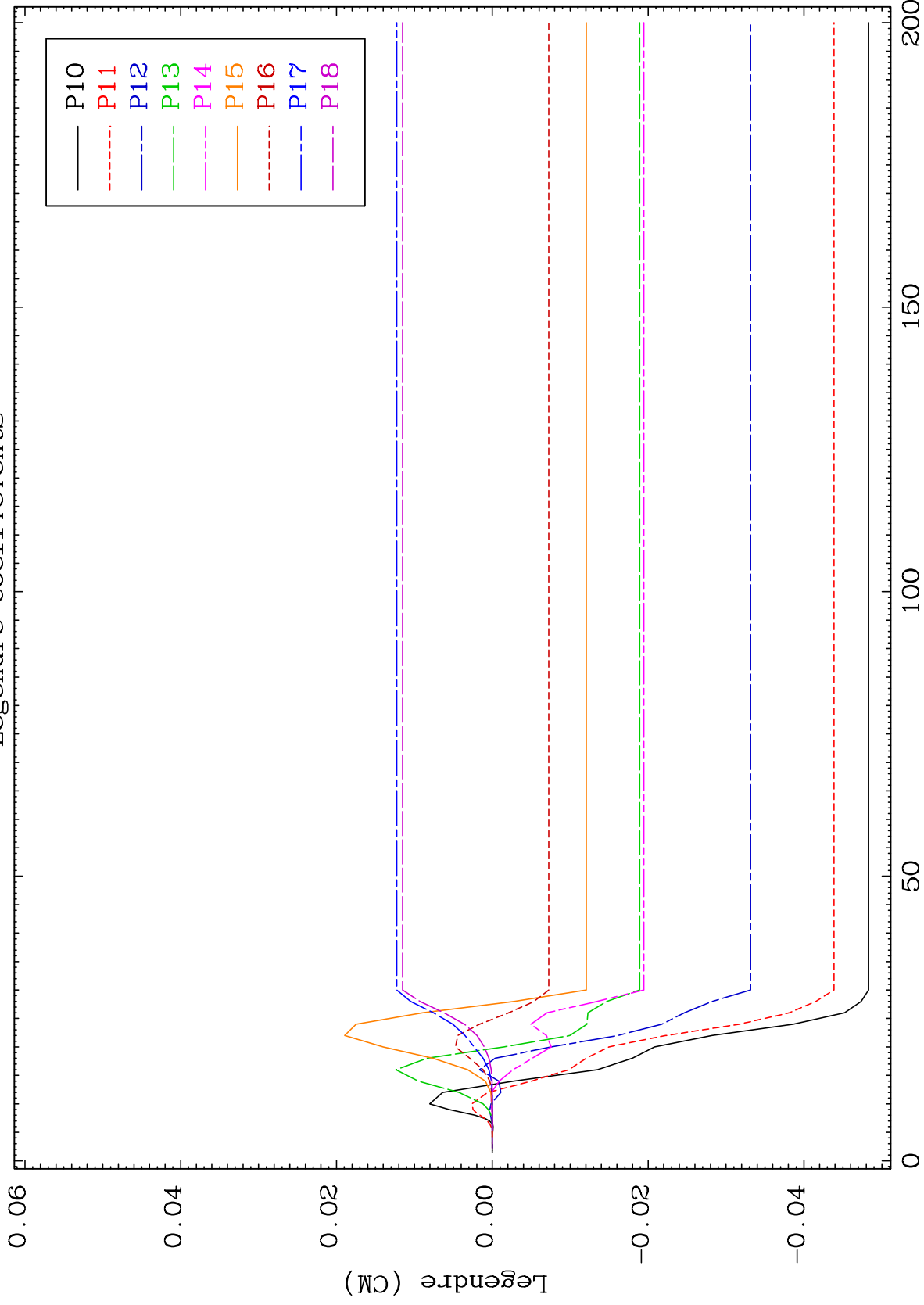
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



29

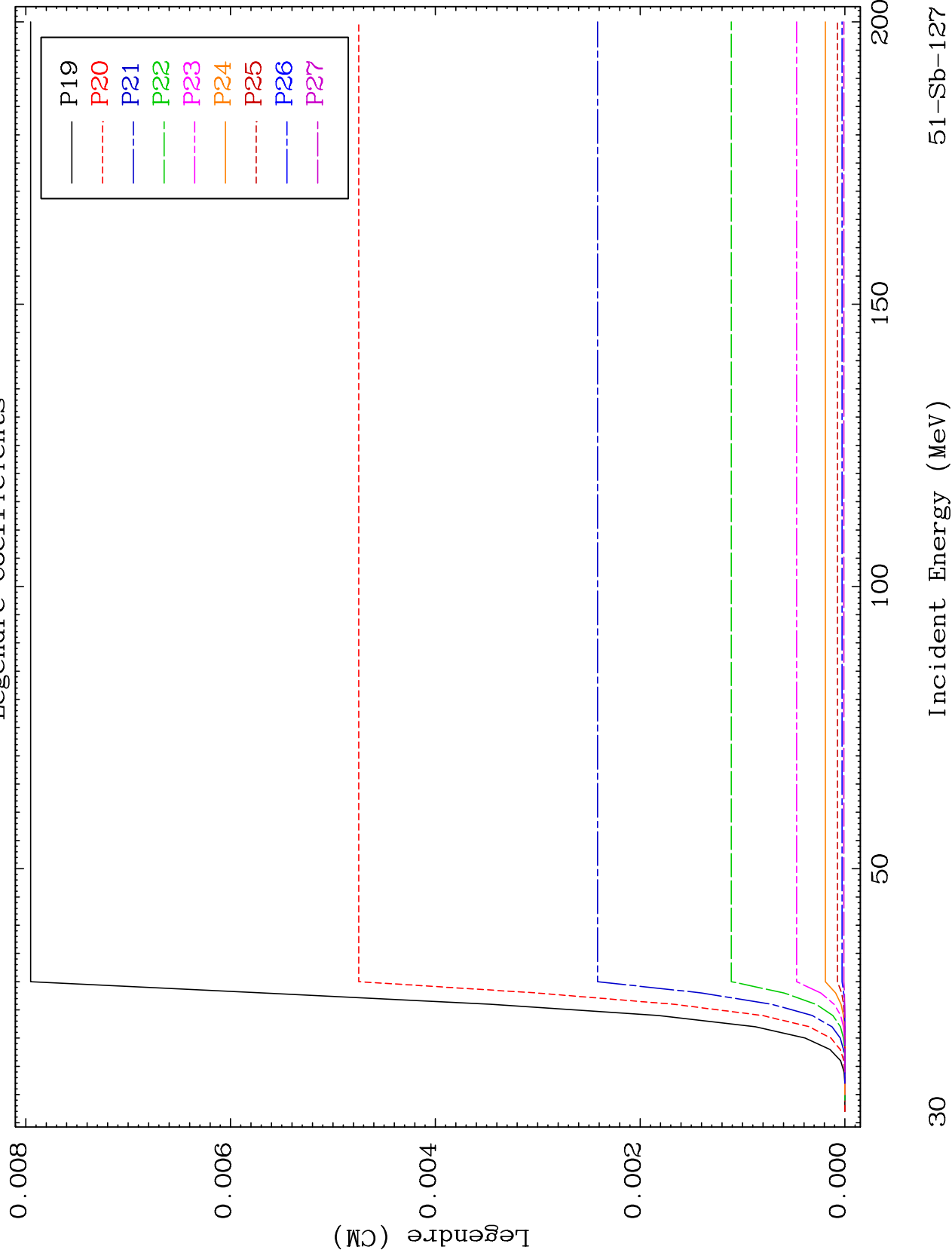
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

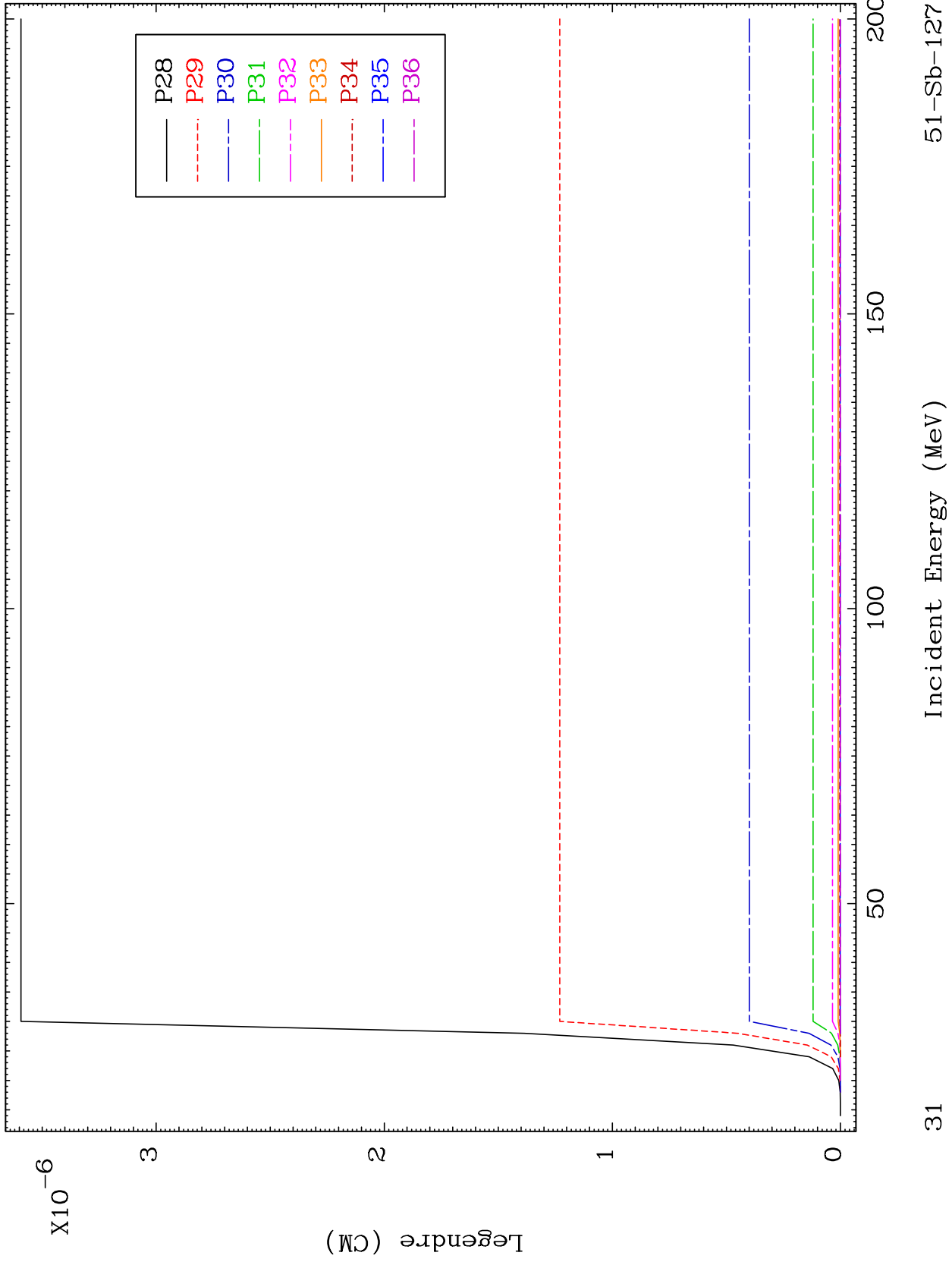
Incident Energy (MeV)

30

MAT 5143

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

51-Sb-127



31

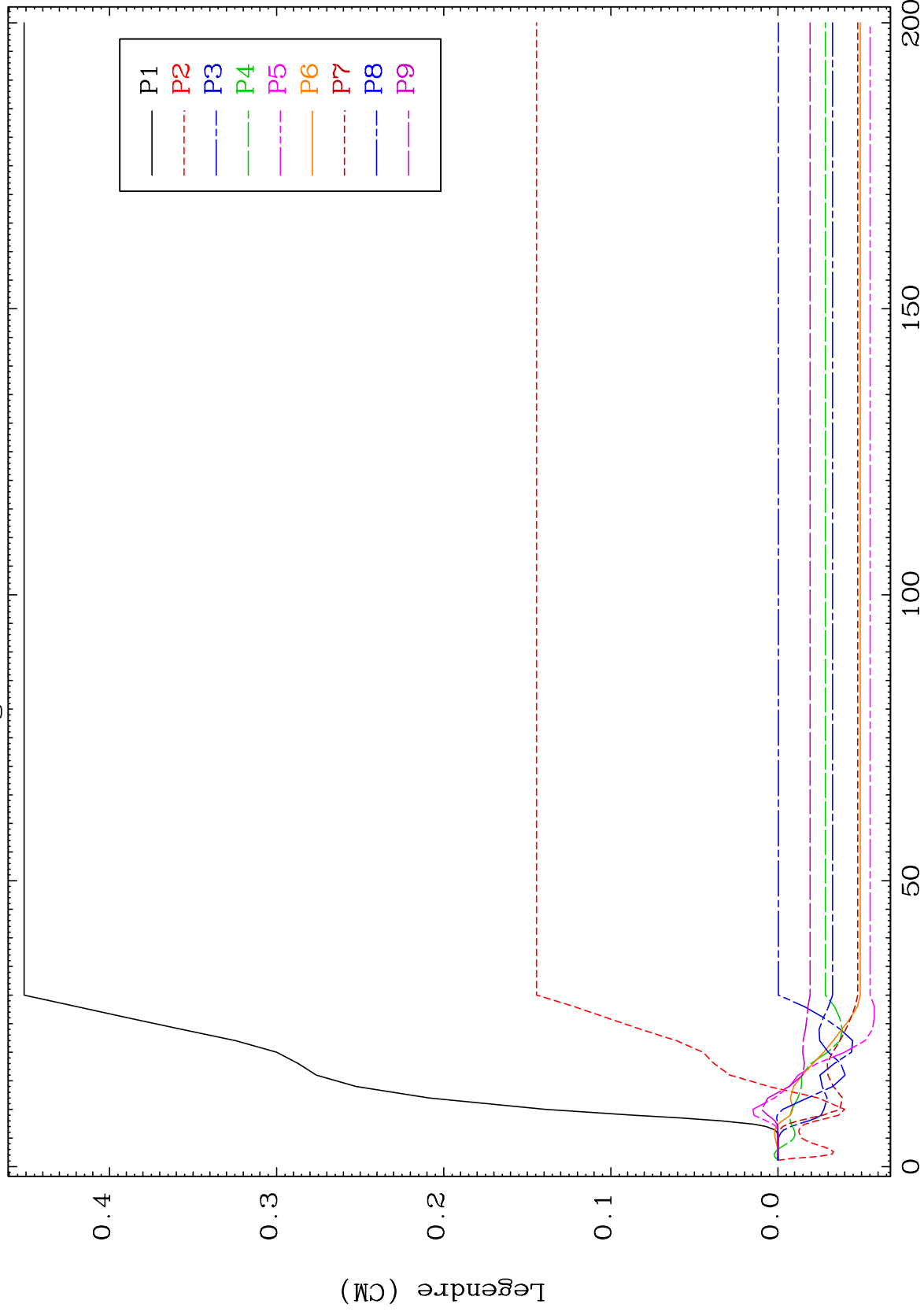
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



32

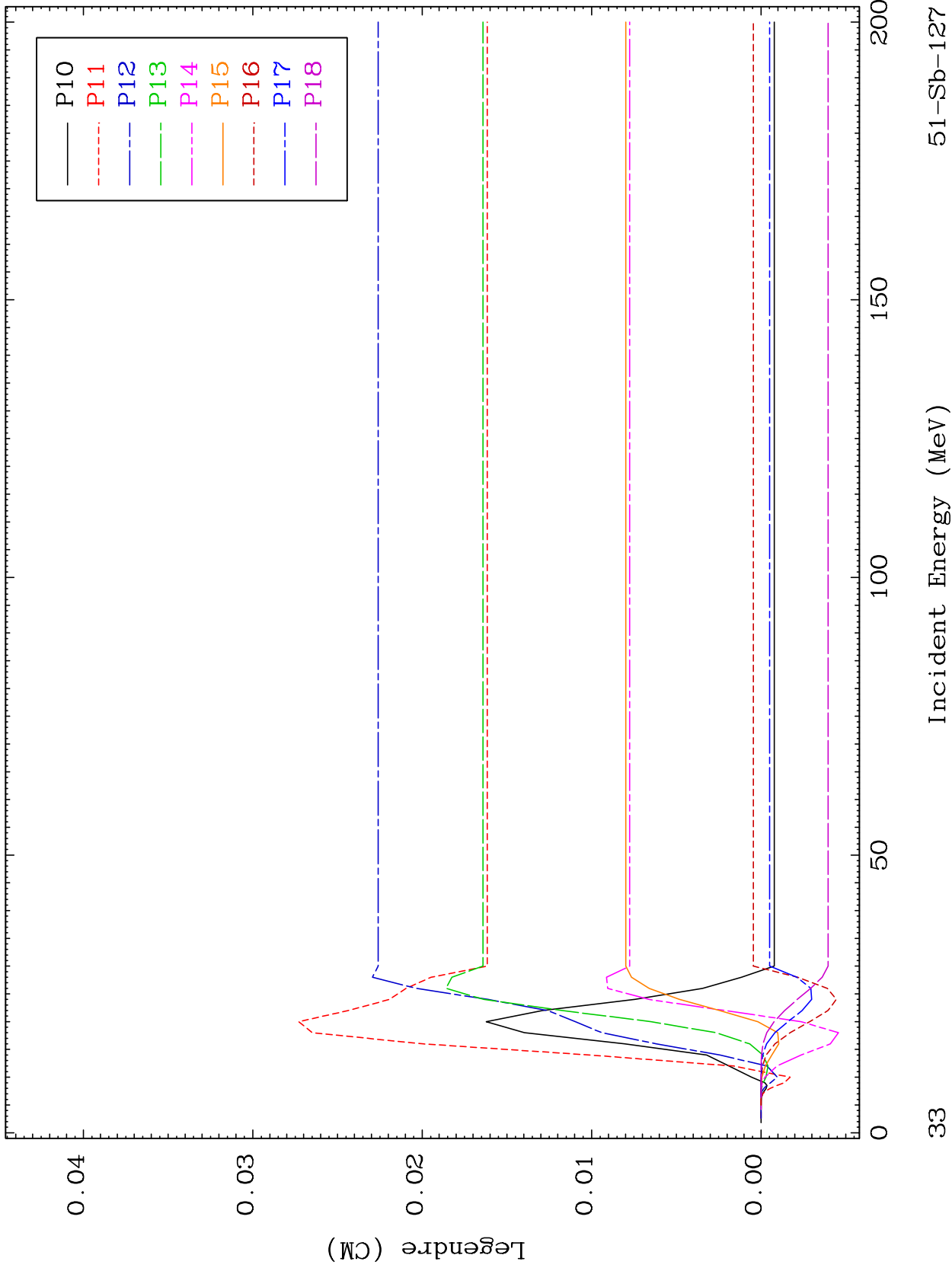
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

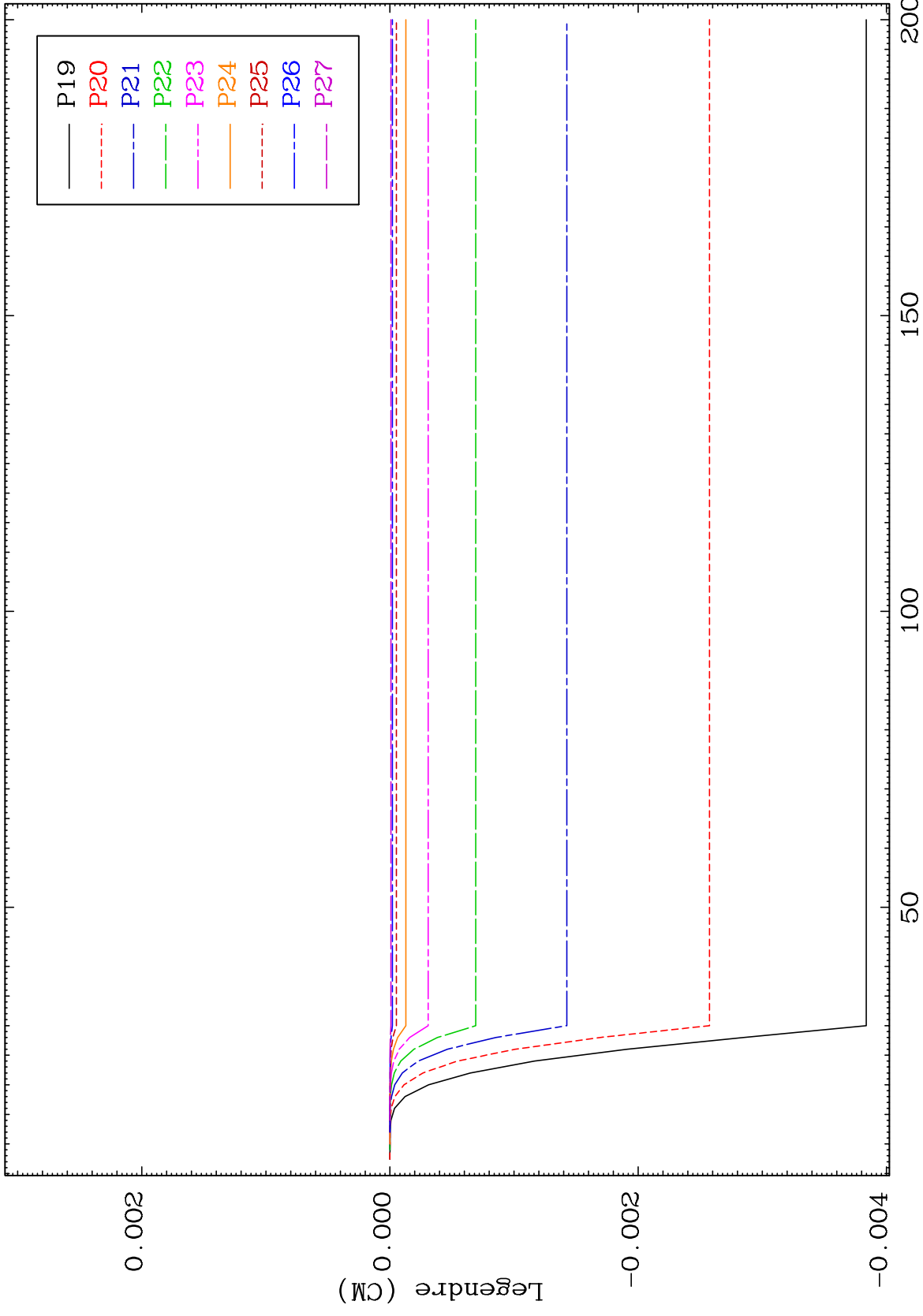
51-Sb-127



MAT 5143

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

51-Sb-127



34

Incident Energy (MeV)

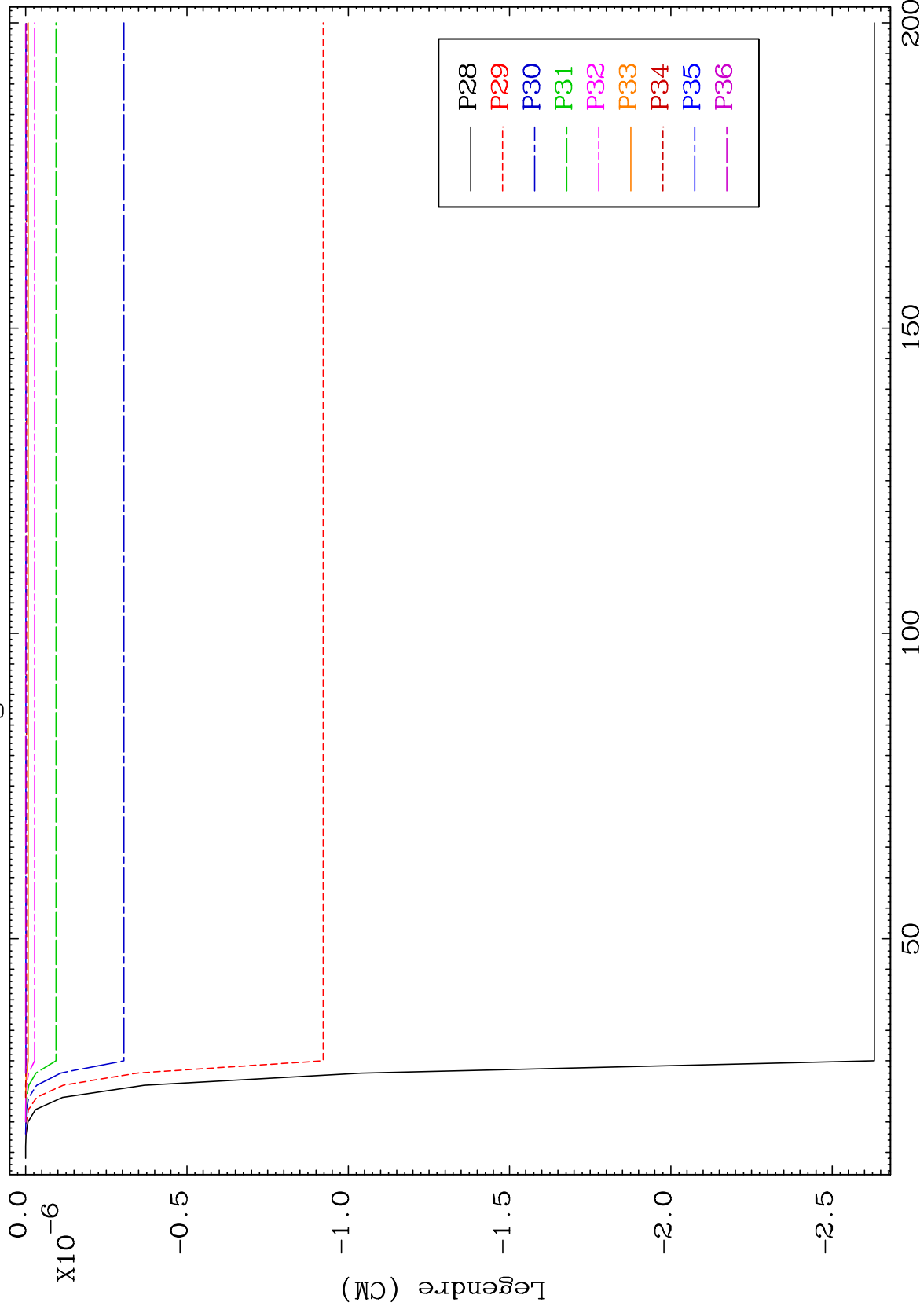
51-Sb-127

MAT 5143

MT= 54 (n,n') Level

51-Sb-127

Legendre Coefficients



35

Incident Energy (MeV)

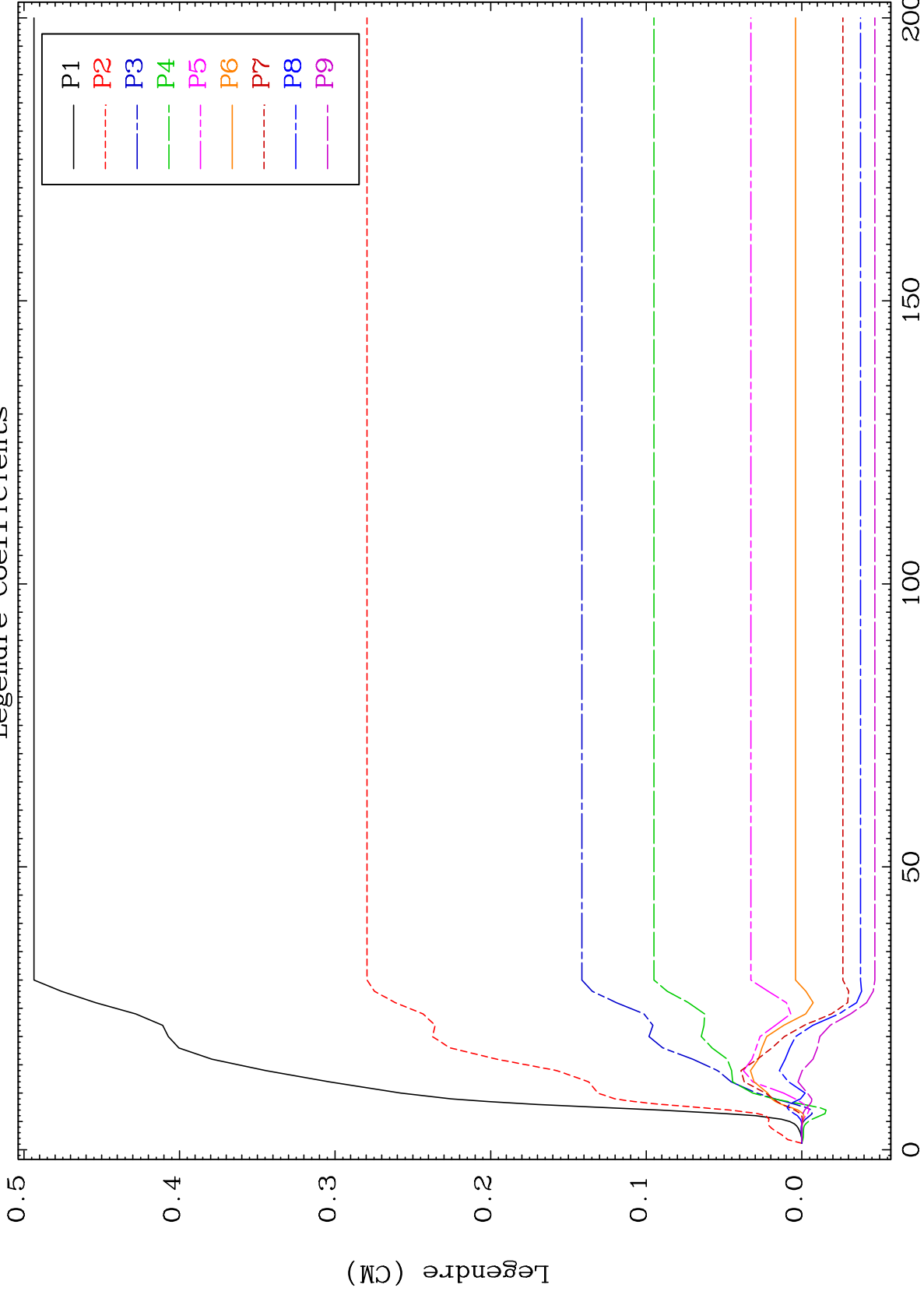
51-Sb-127

MAT 5143

MT= 55 (n,n') Level

51-Sb-127

Legendre Coefficients



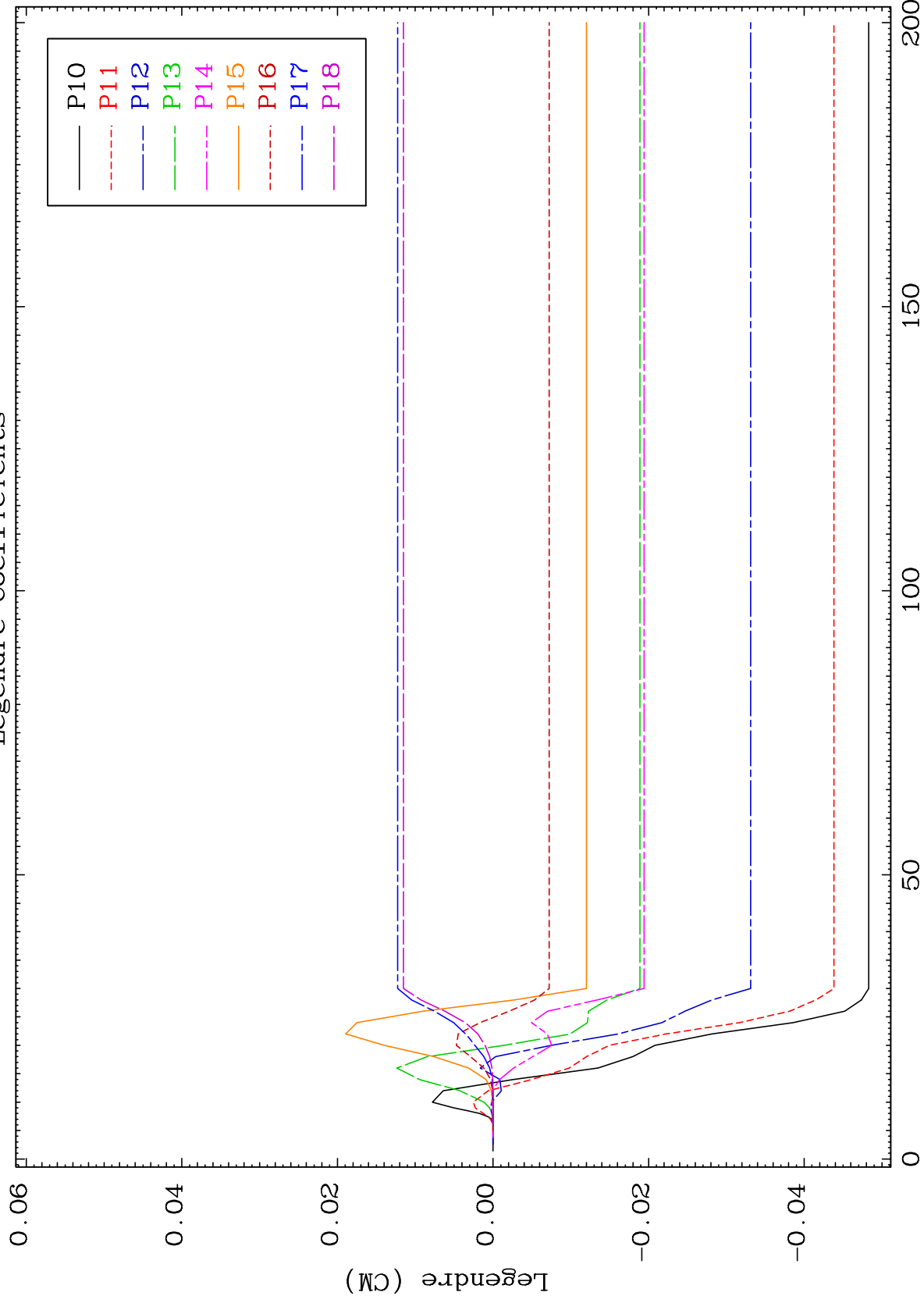
36

51-Sb-127

MAT 5143

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

51-Sb-127



37

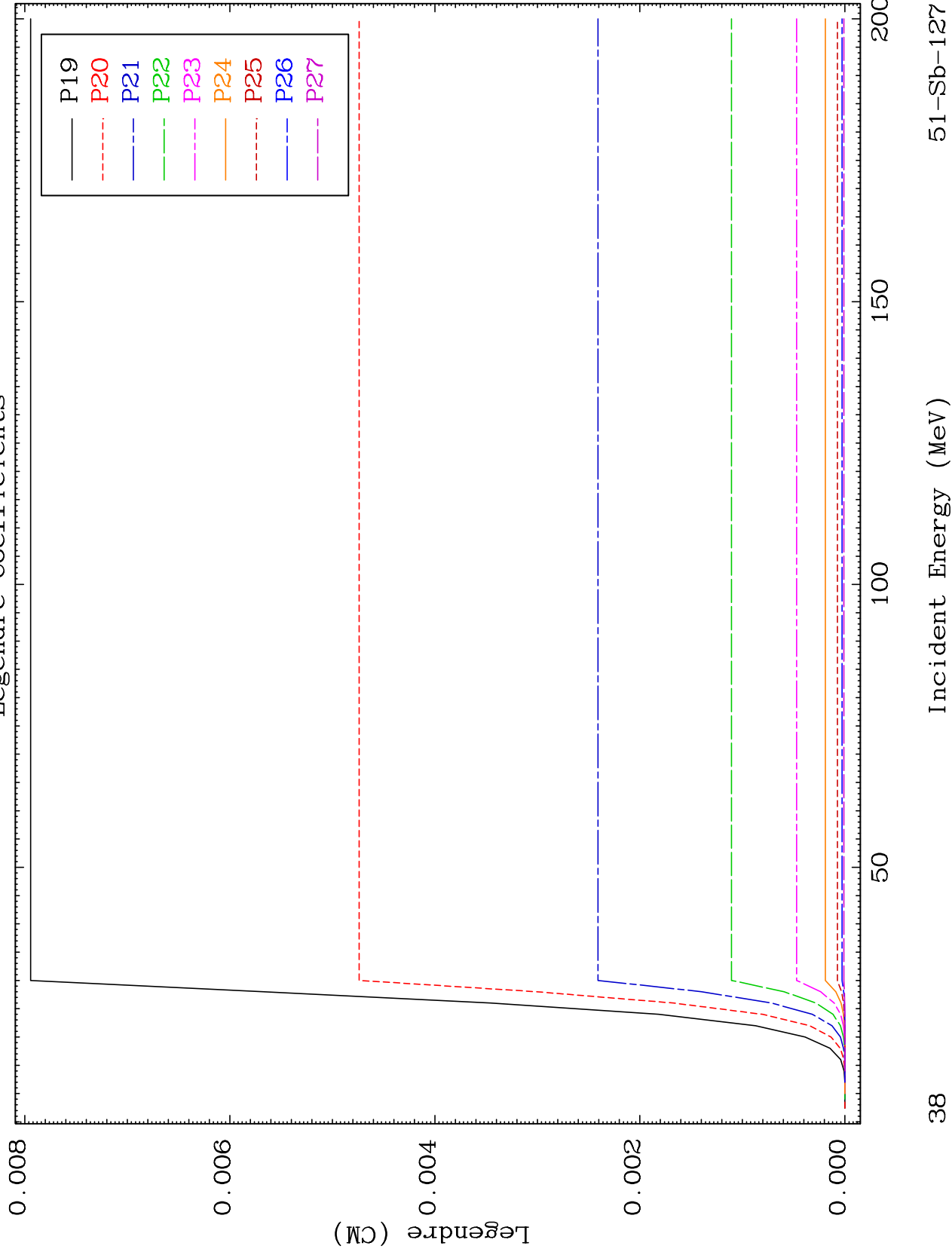
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



38

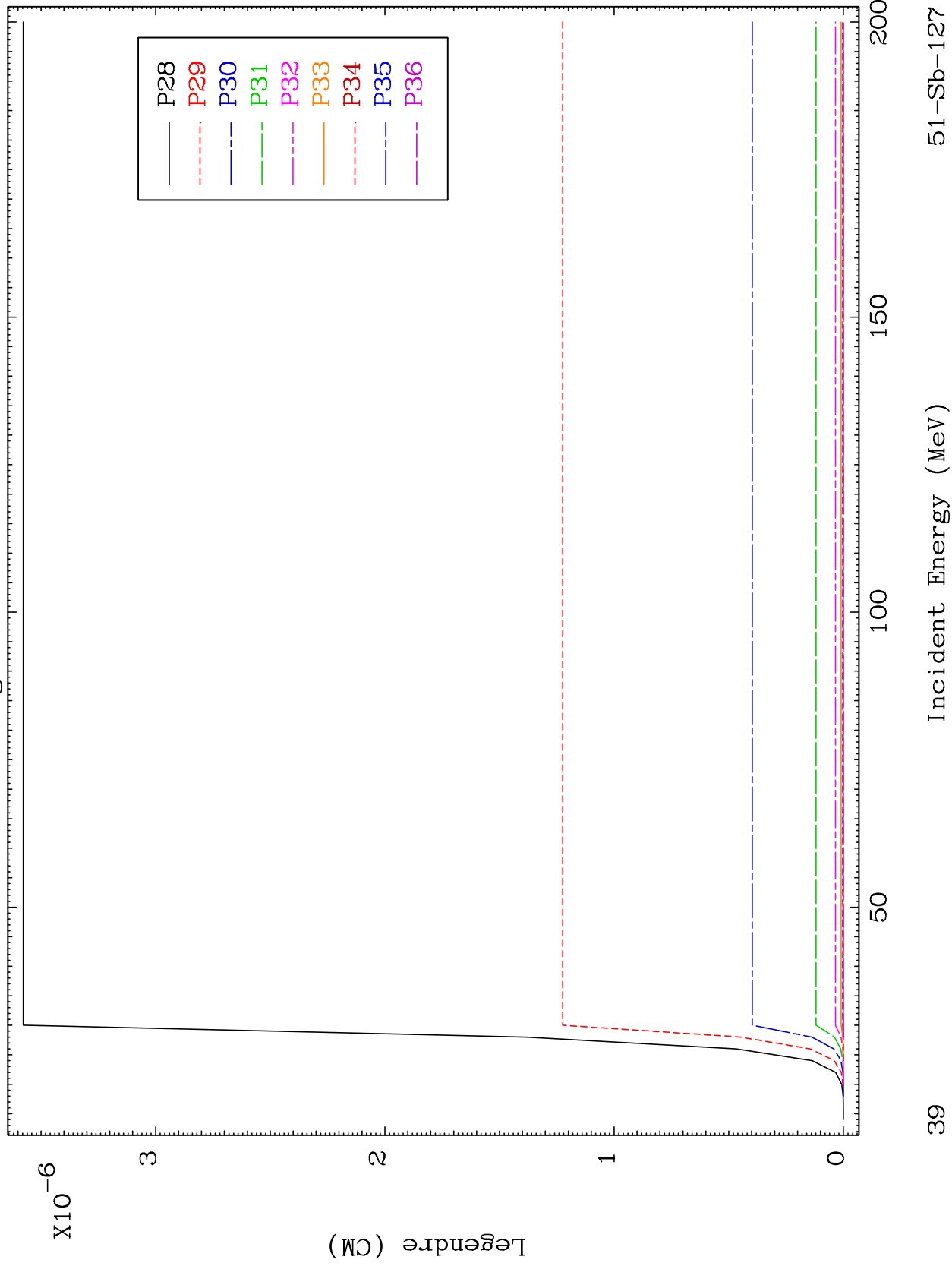
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



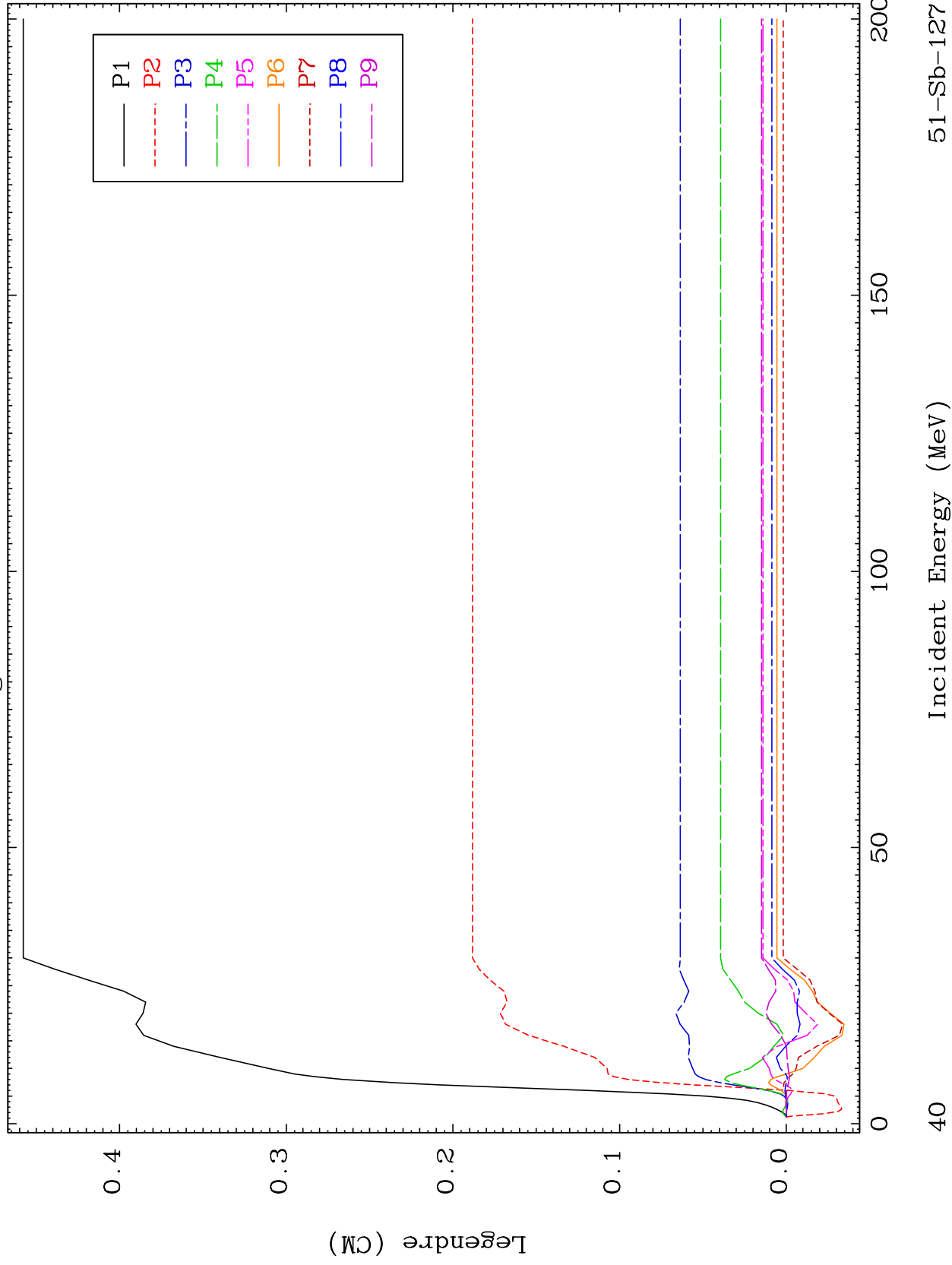
39

51-Sb-127

MAT 5143

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

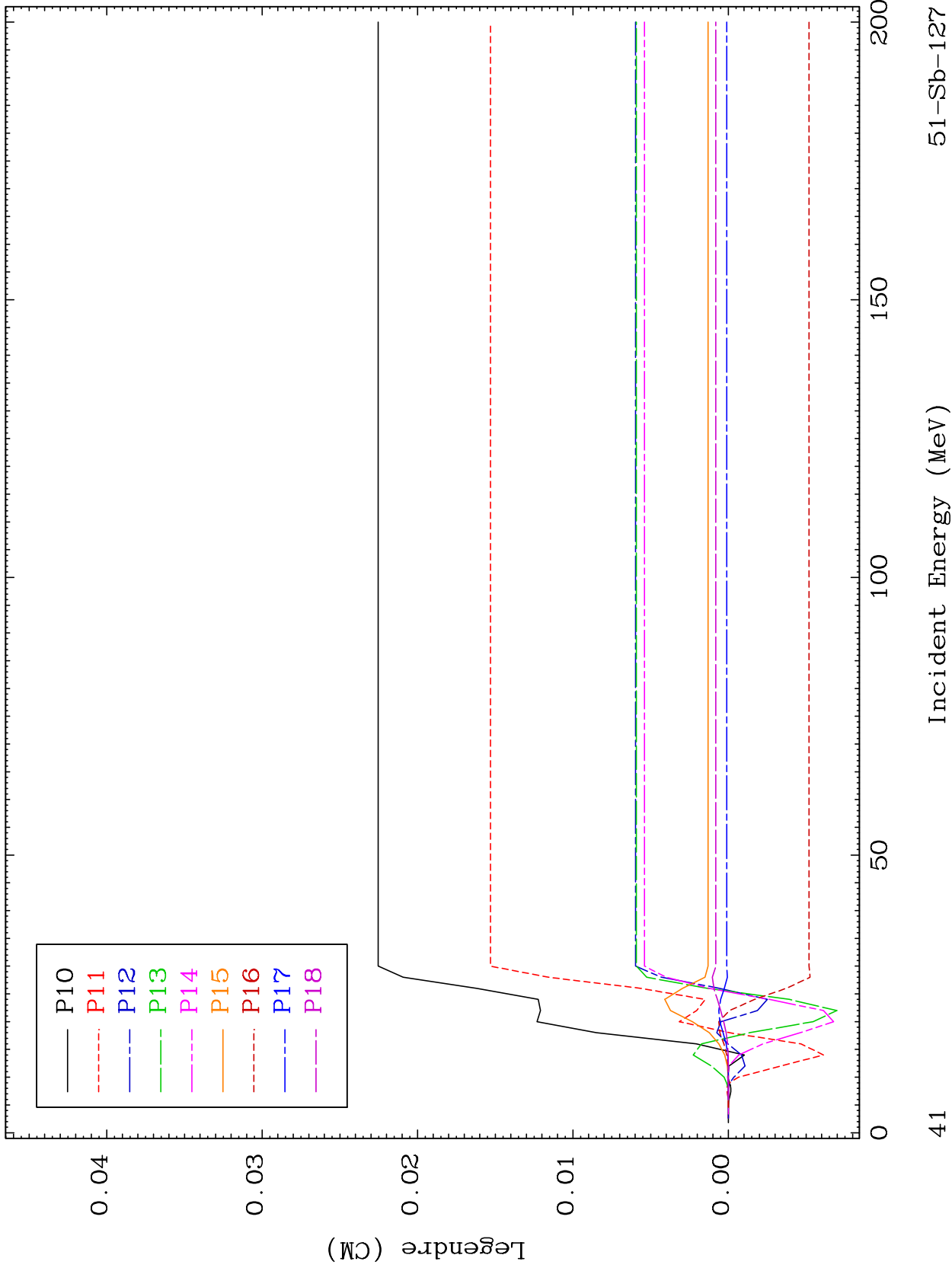
51-Sb-127

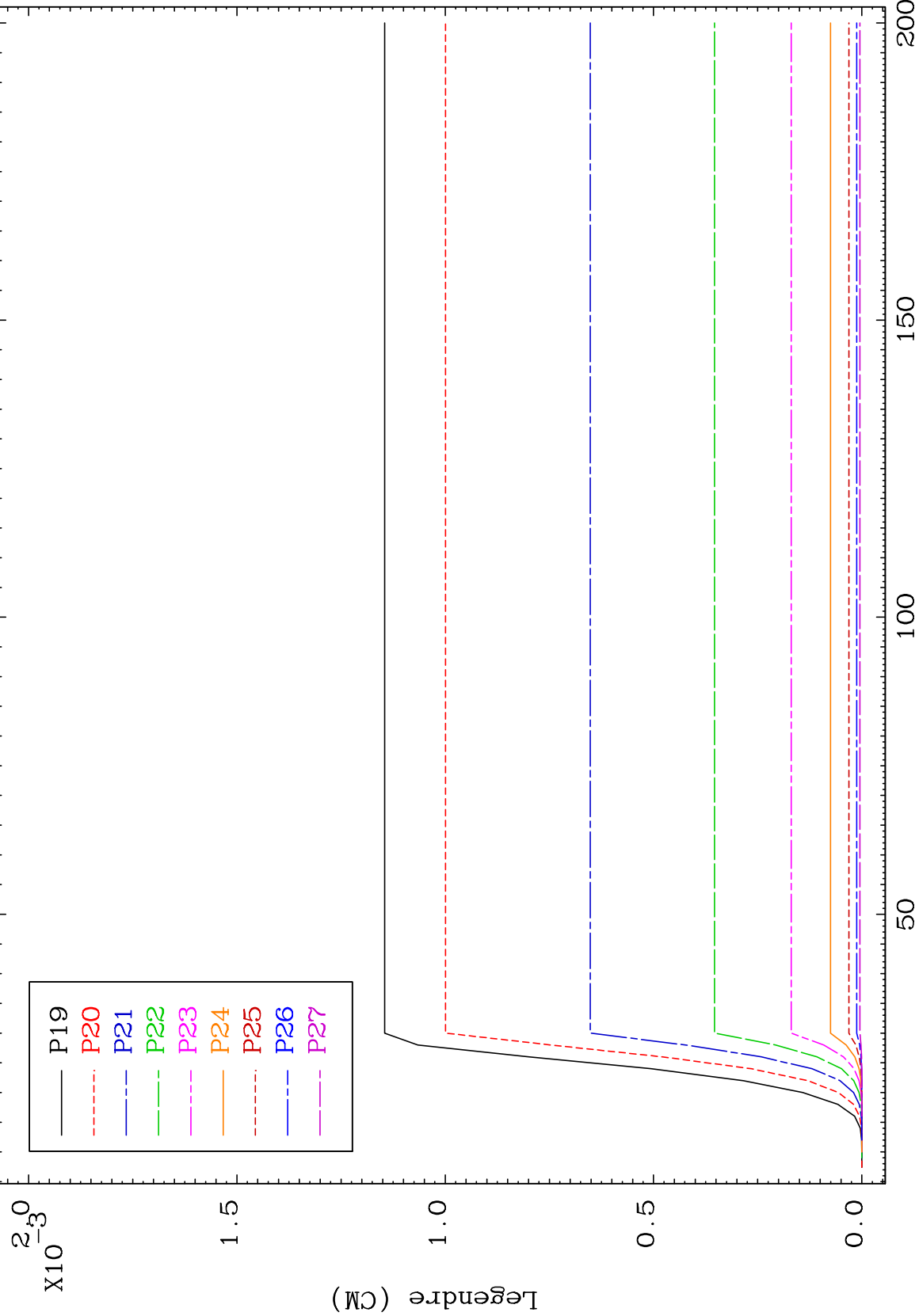


MAT 5143

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

51-Sb-127

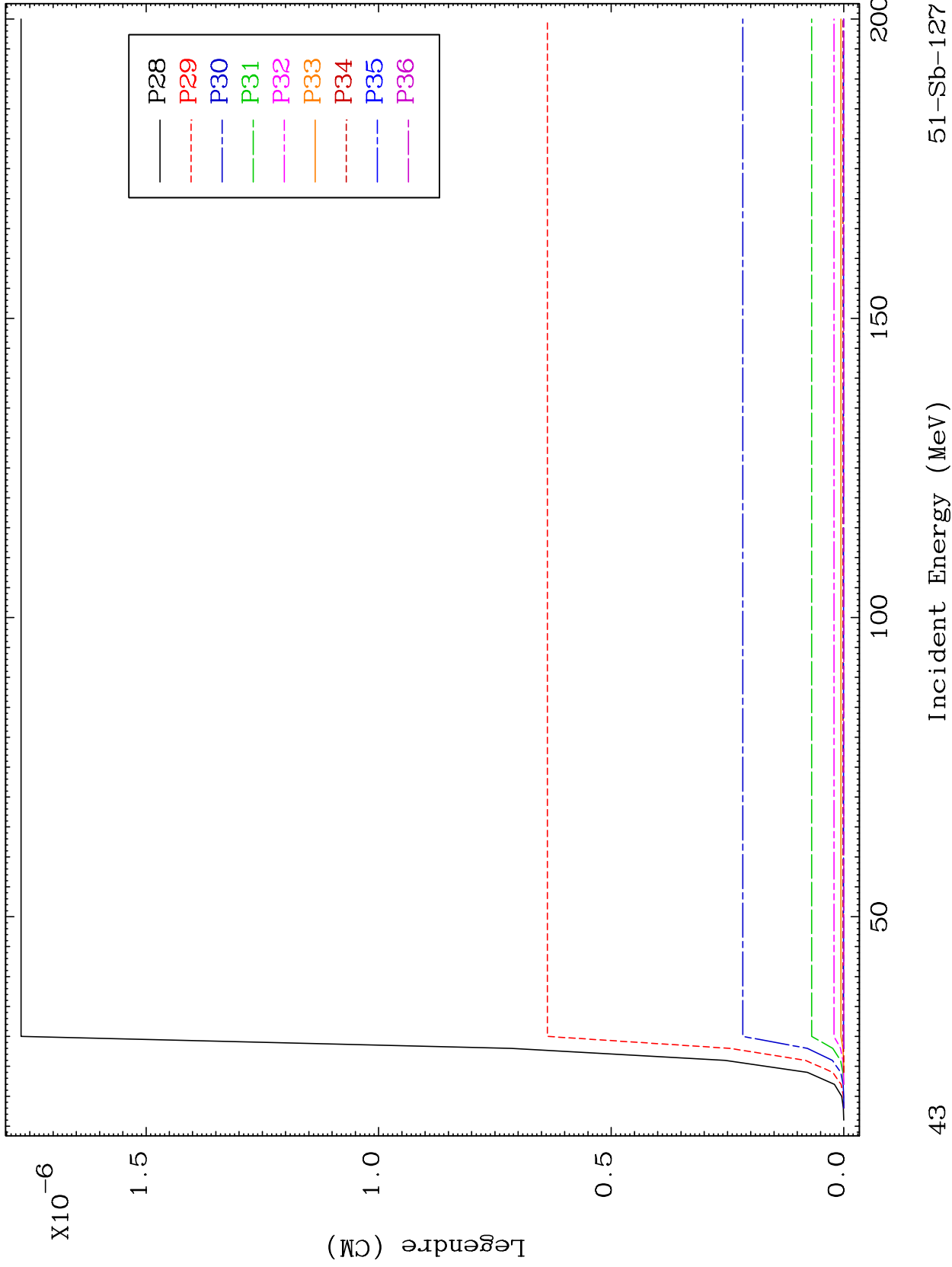


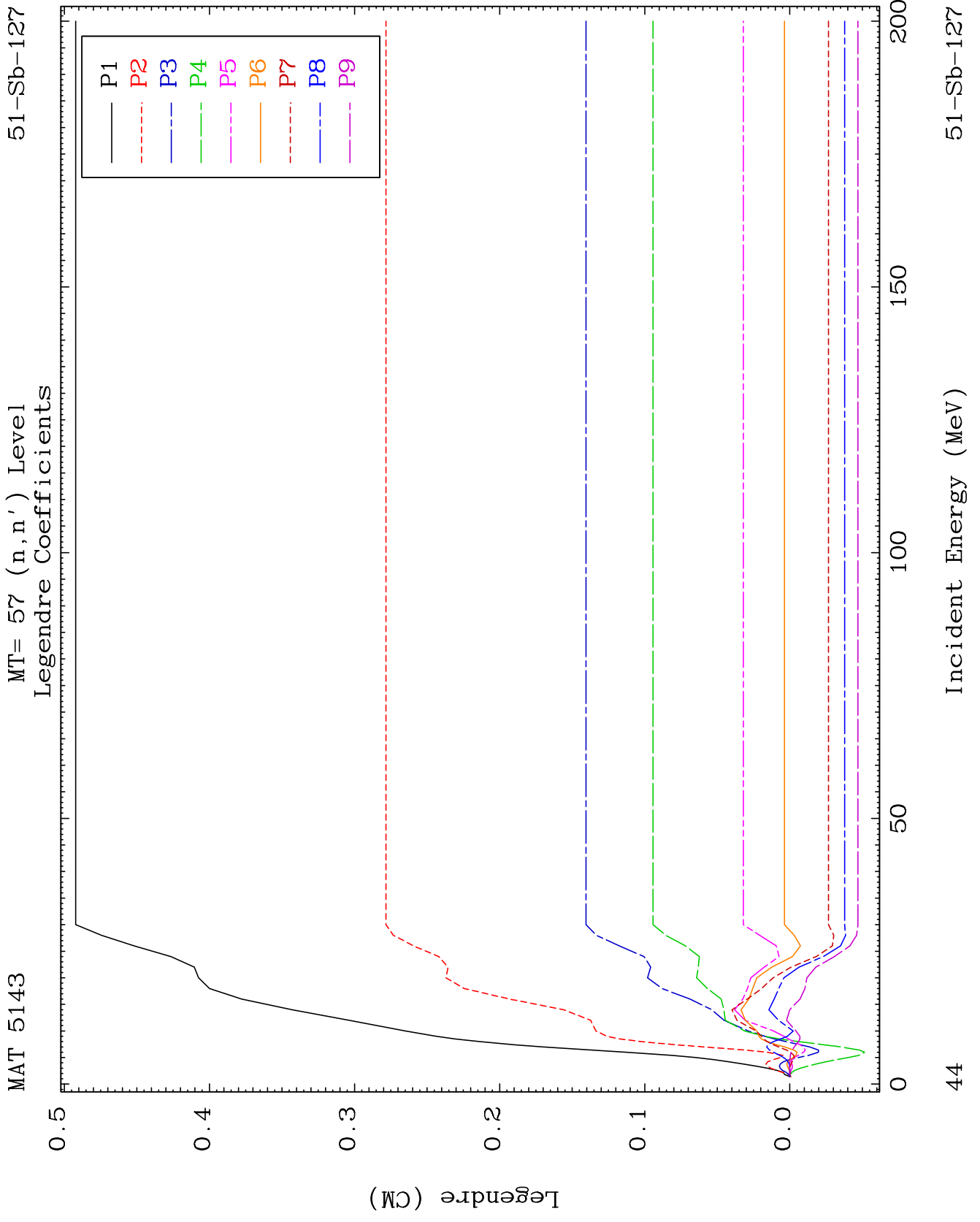


MAT 5143

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

51-Sb-127

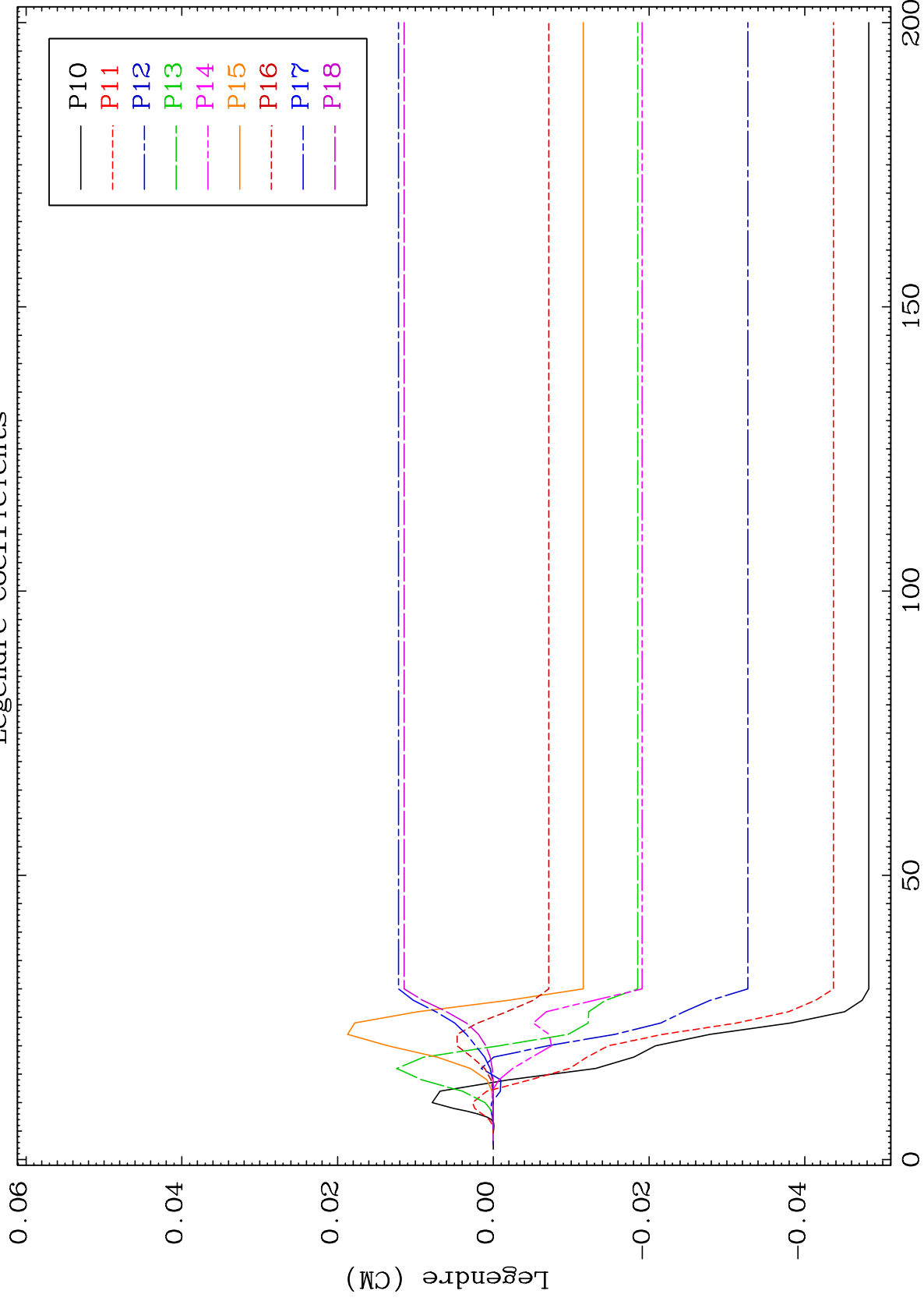




MAT 5143

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

51-Sb-127



45

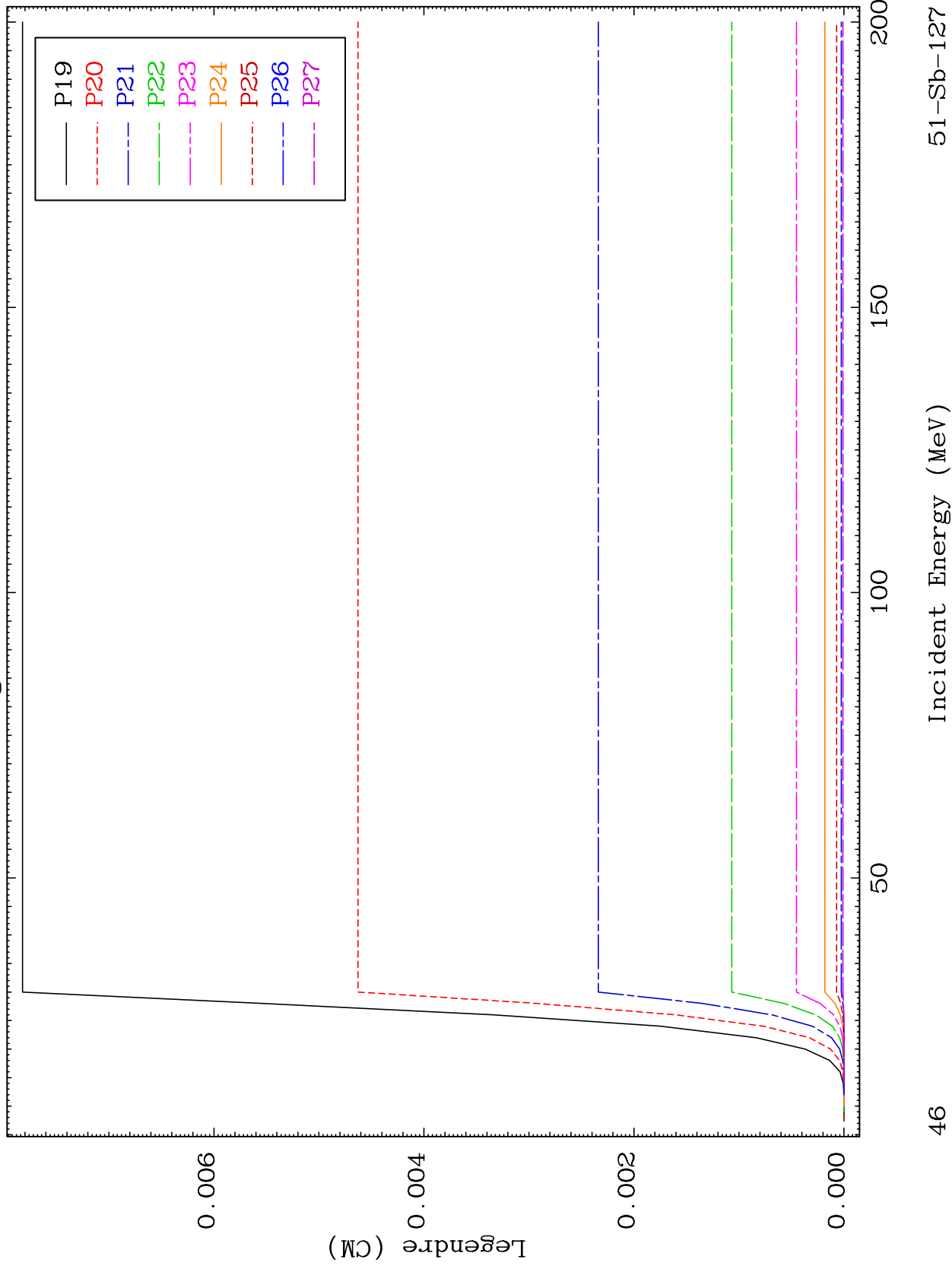
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



46

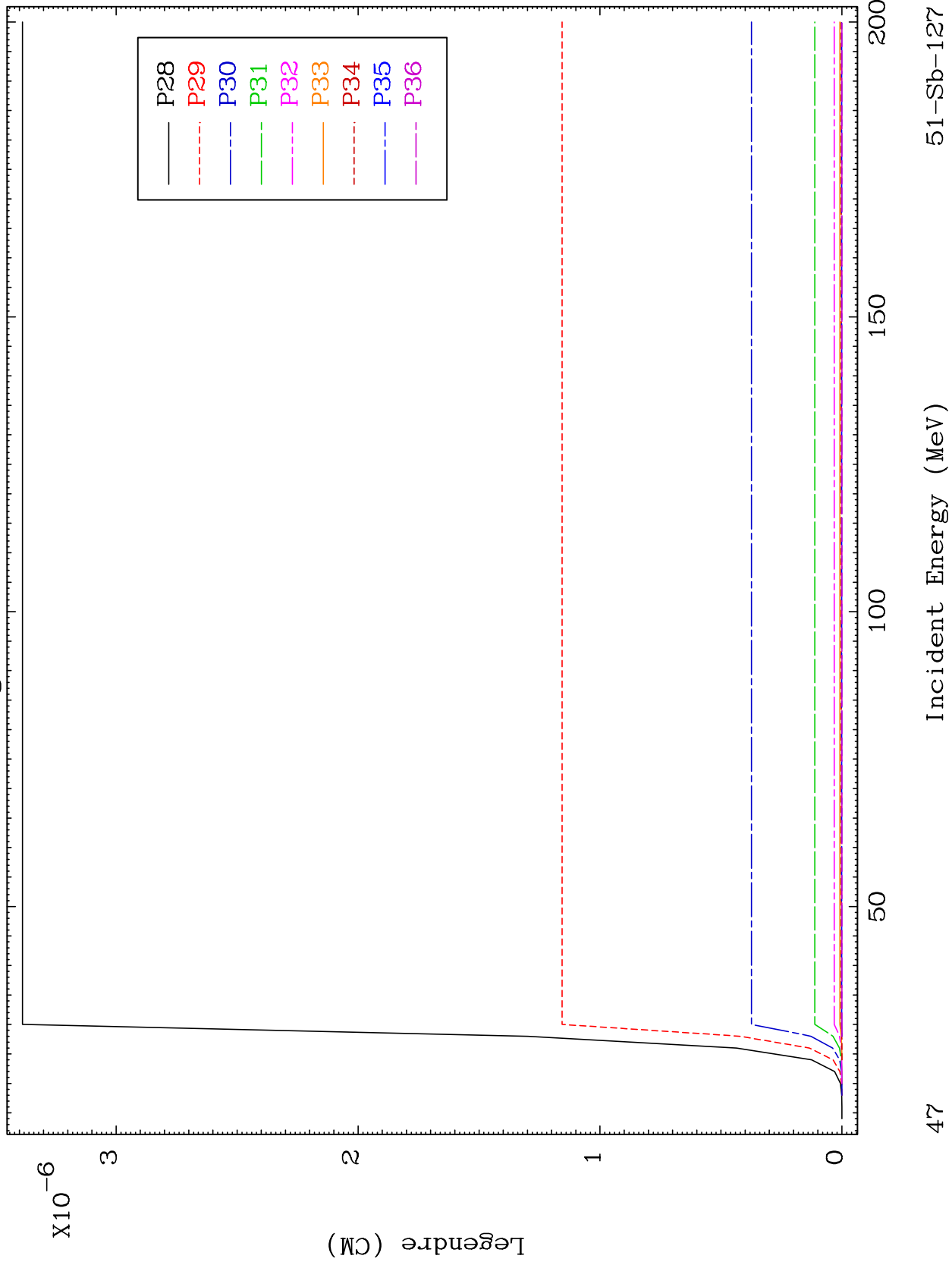
Incident Energy (MeV)

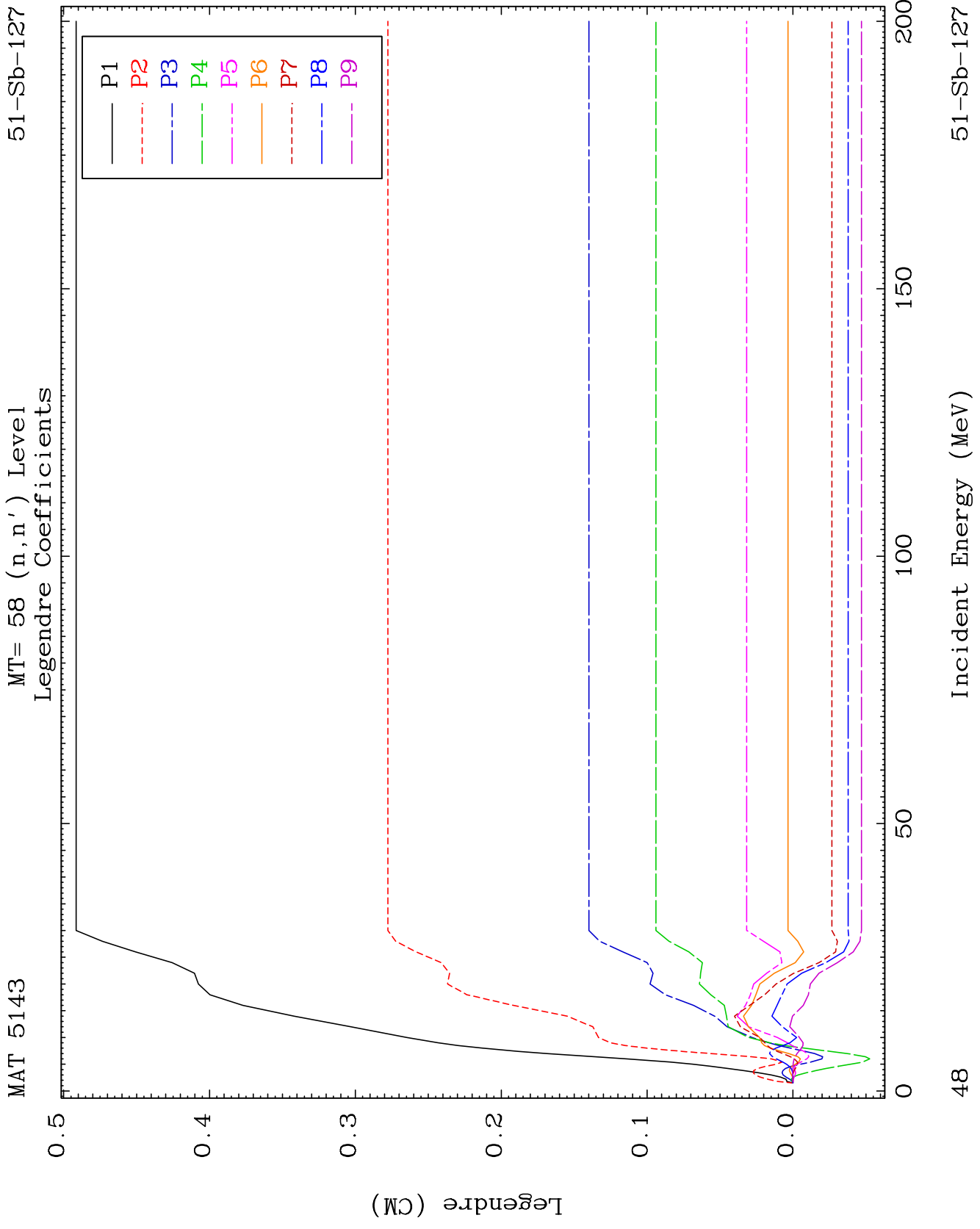
51-Sb-127

MAT 5143

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

51-Sb-127

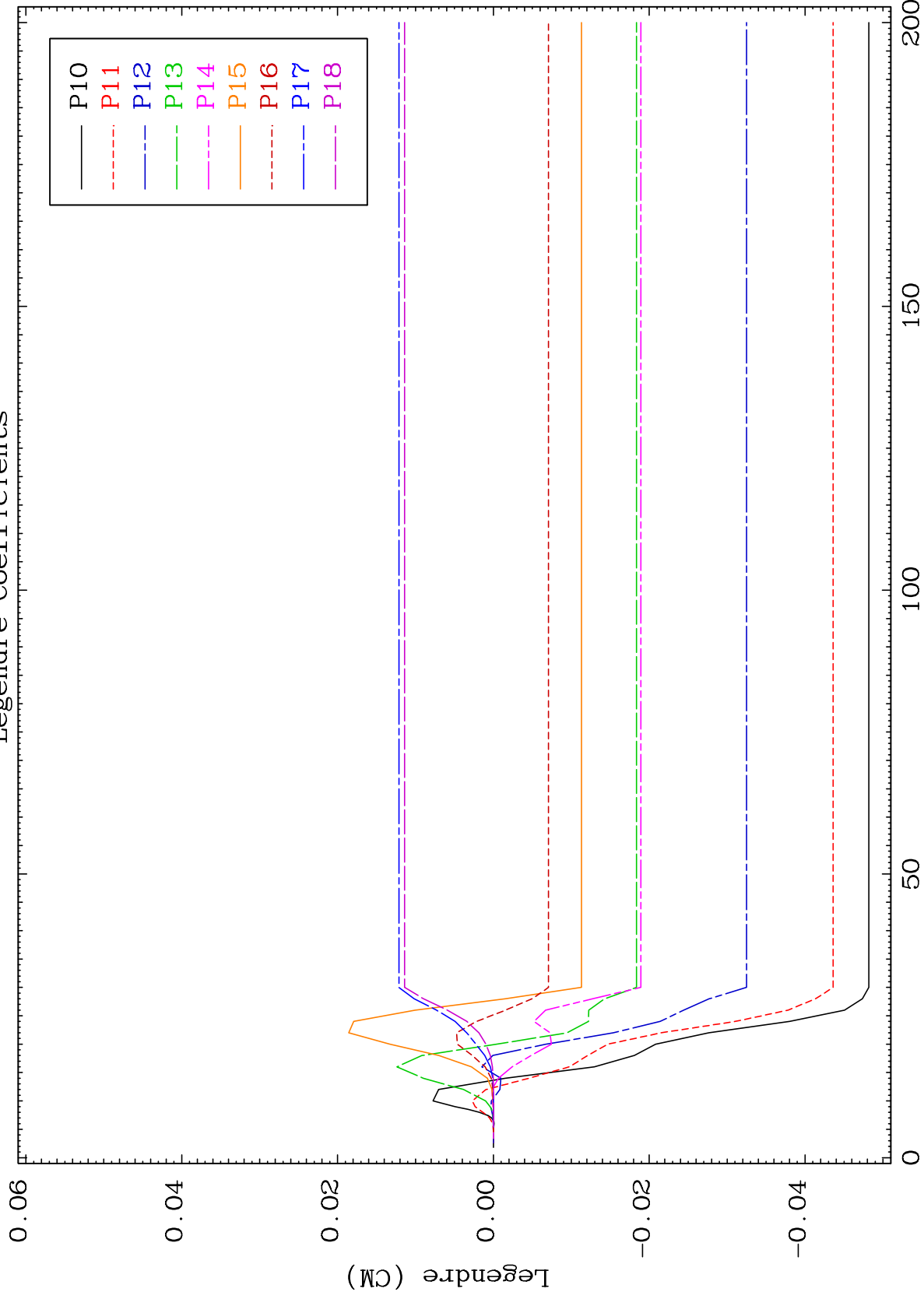




MAT 5143

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

51-Sb-127



49

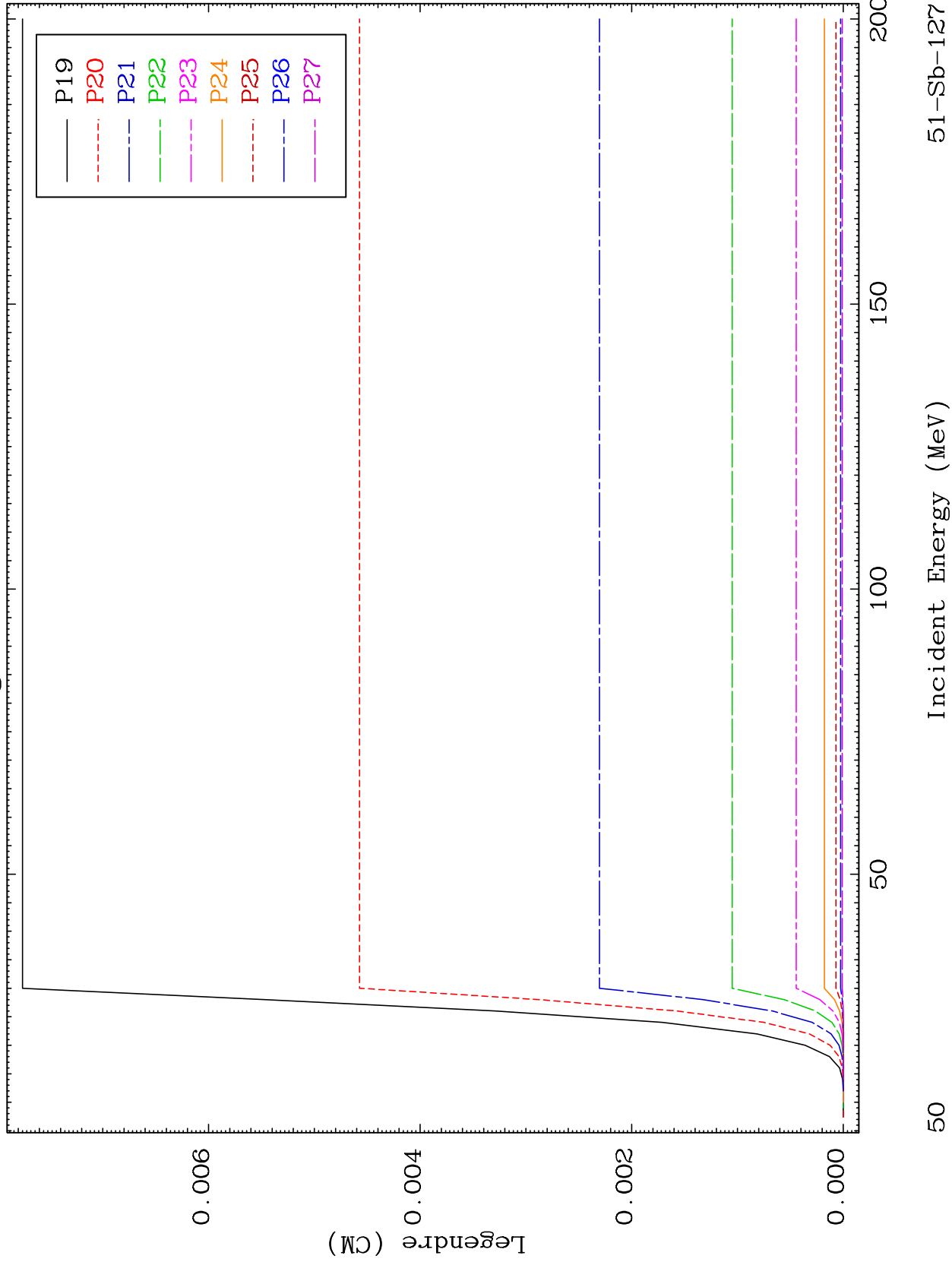
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

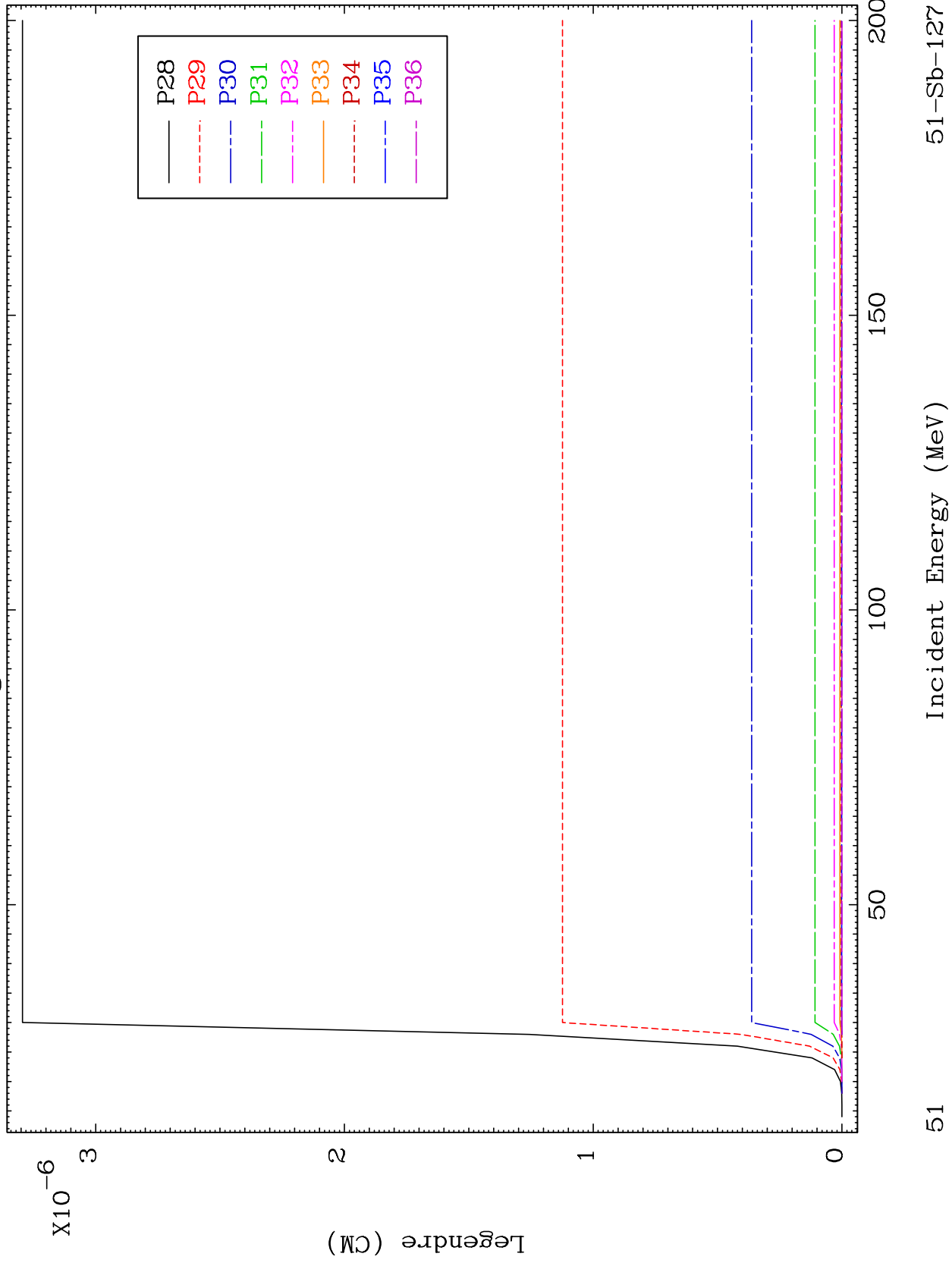
Incident Energy (MeV)

50

MAT 5143

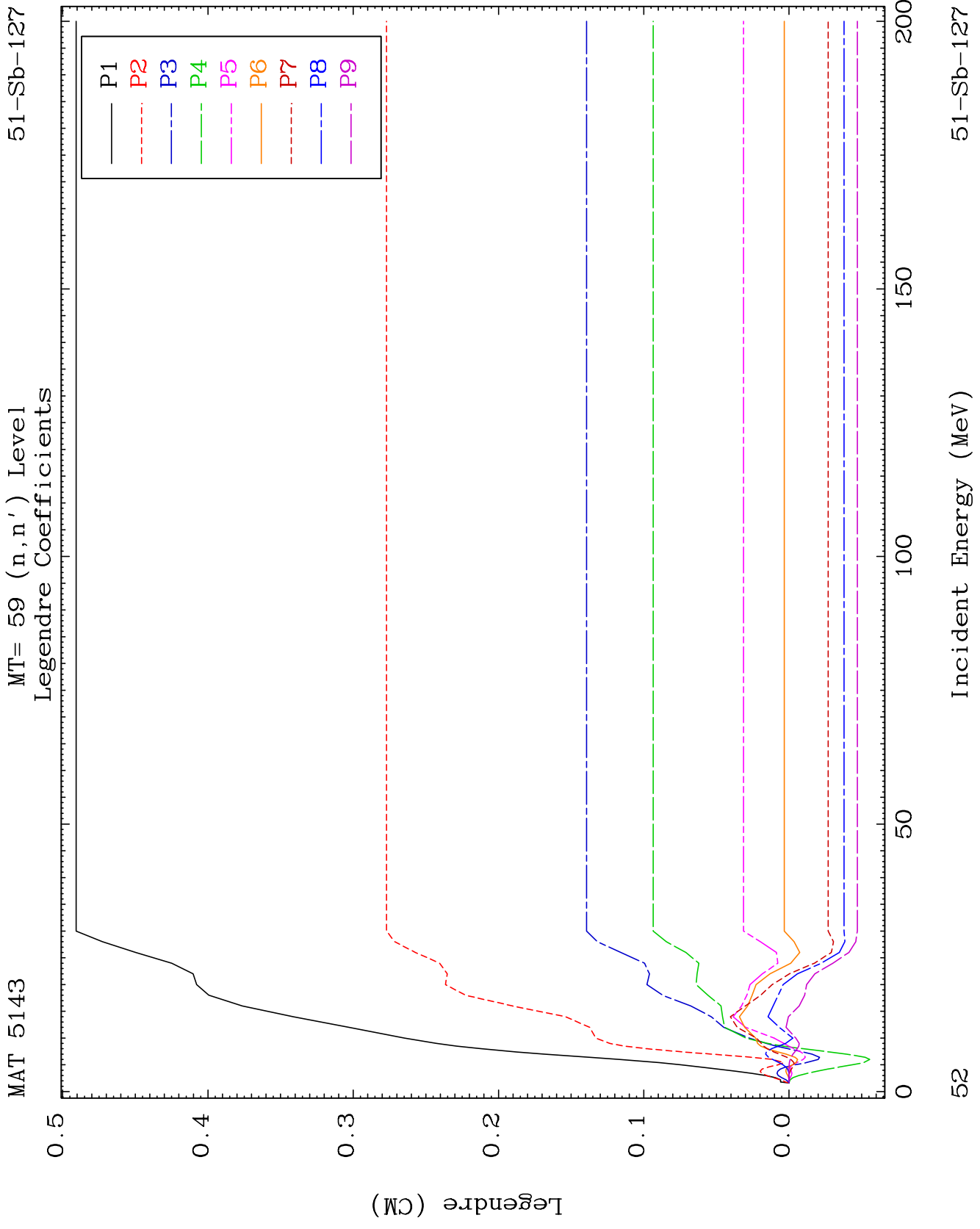
MT= 58 (n,n') Level  
Legendre Coefficients

51-Sb-127



51

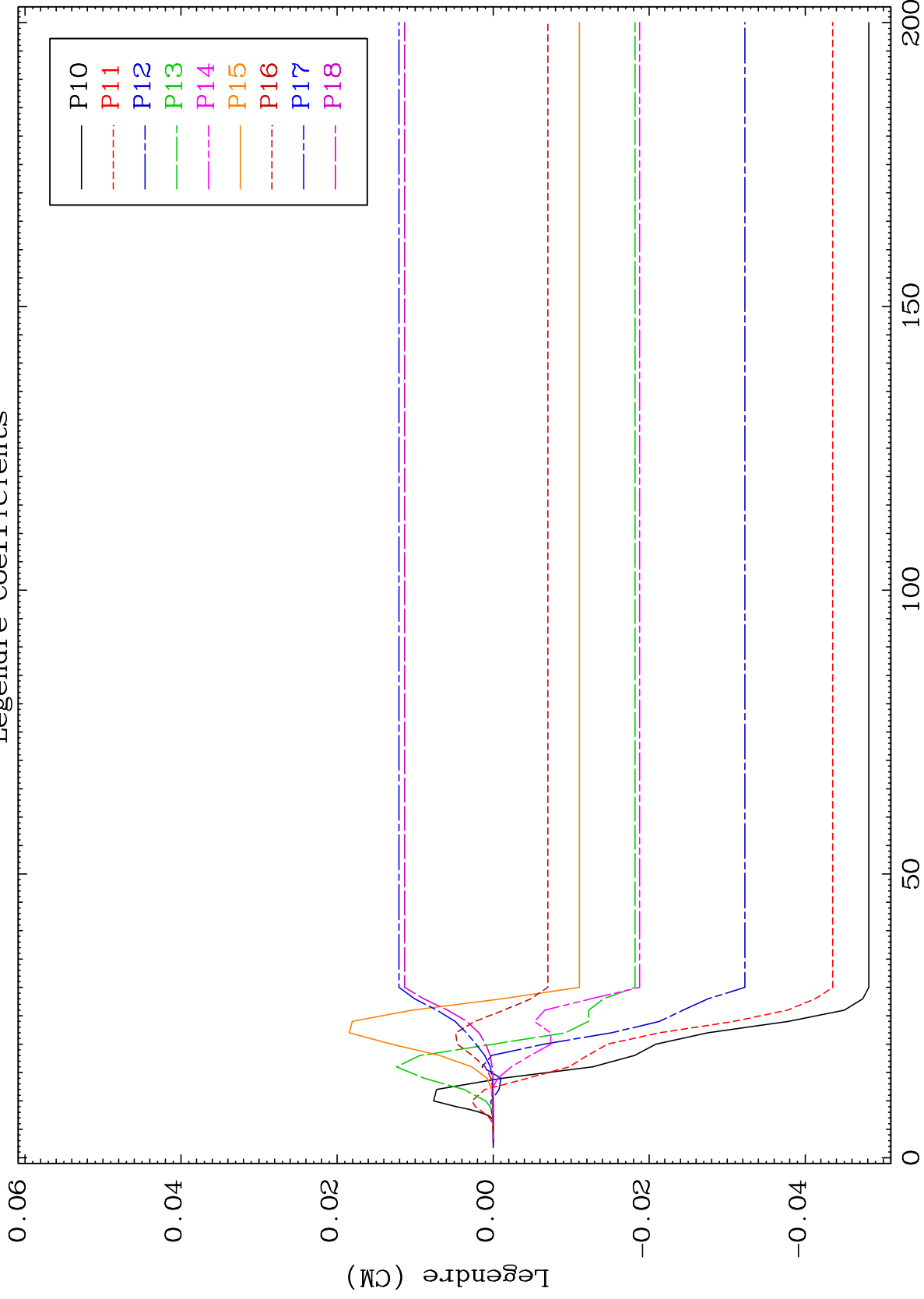
51-Sb-127



MAT 5143

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

51-Sb-127



53

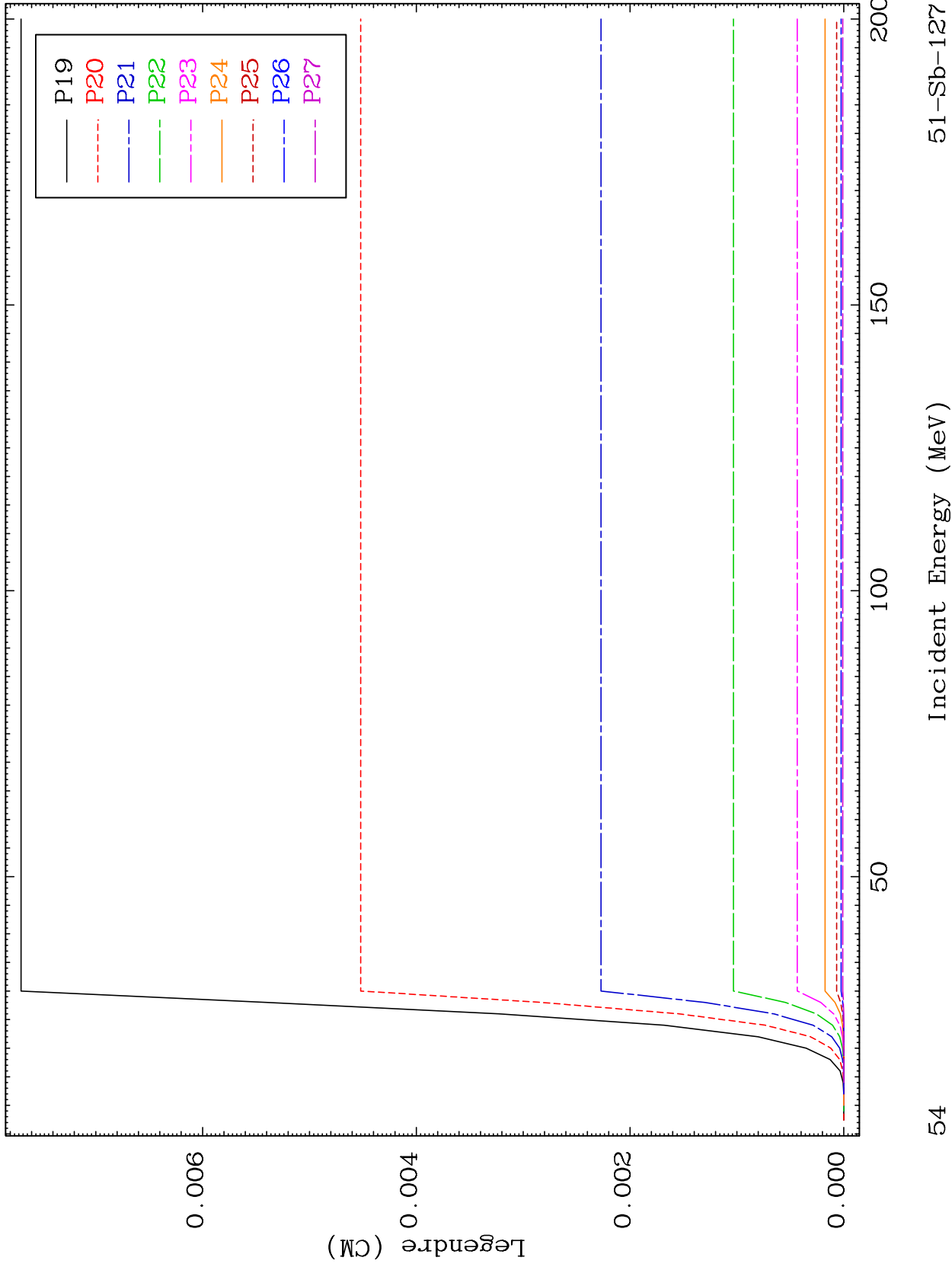
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



54

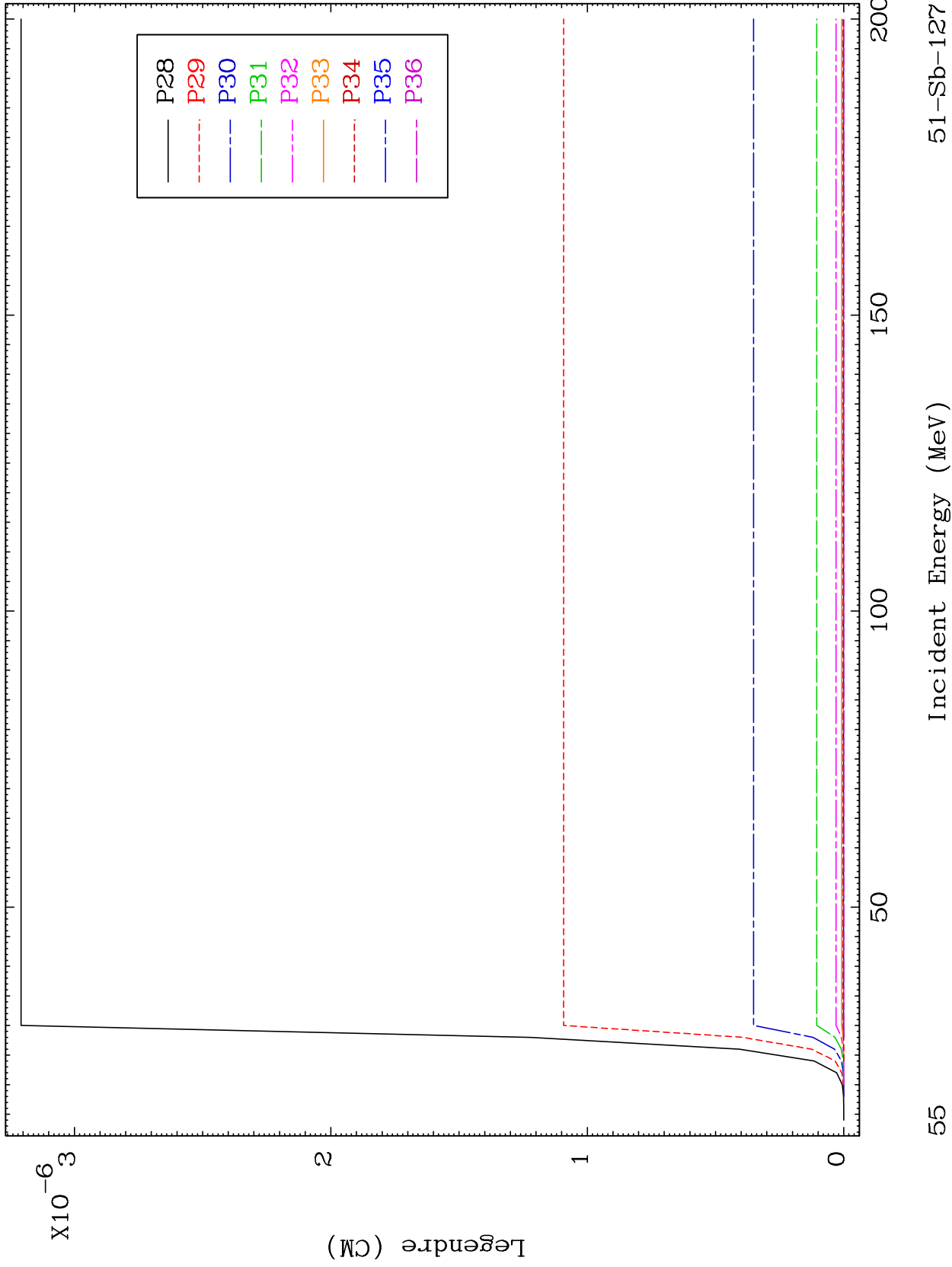
Incident Energy (MeV)

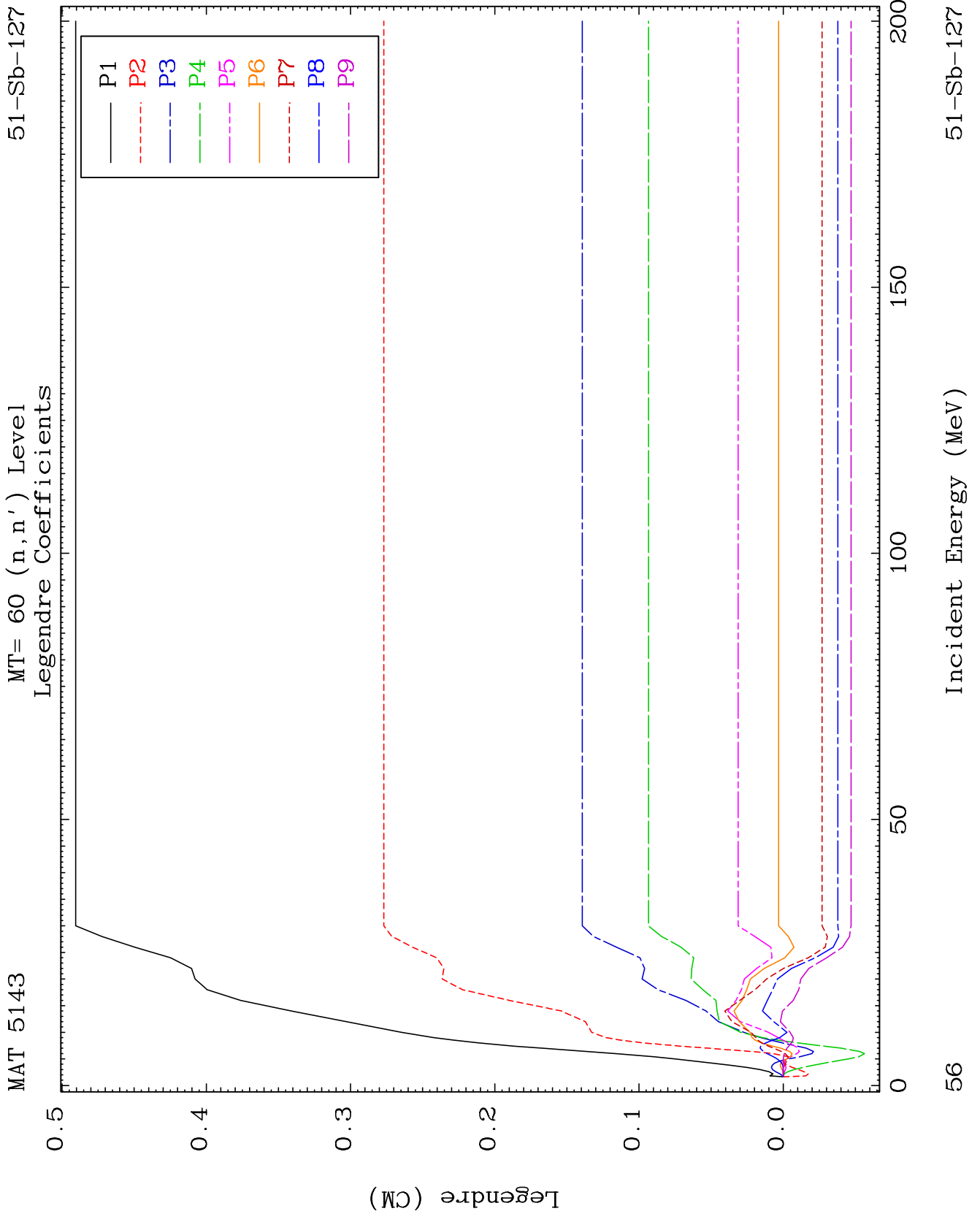
51-Sb-127

MAT 5143

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

51-Sb-127



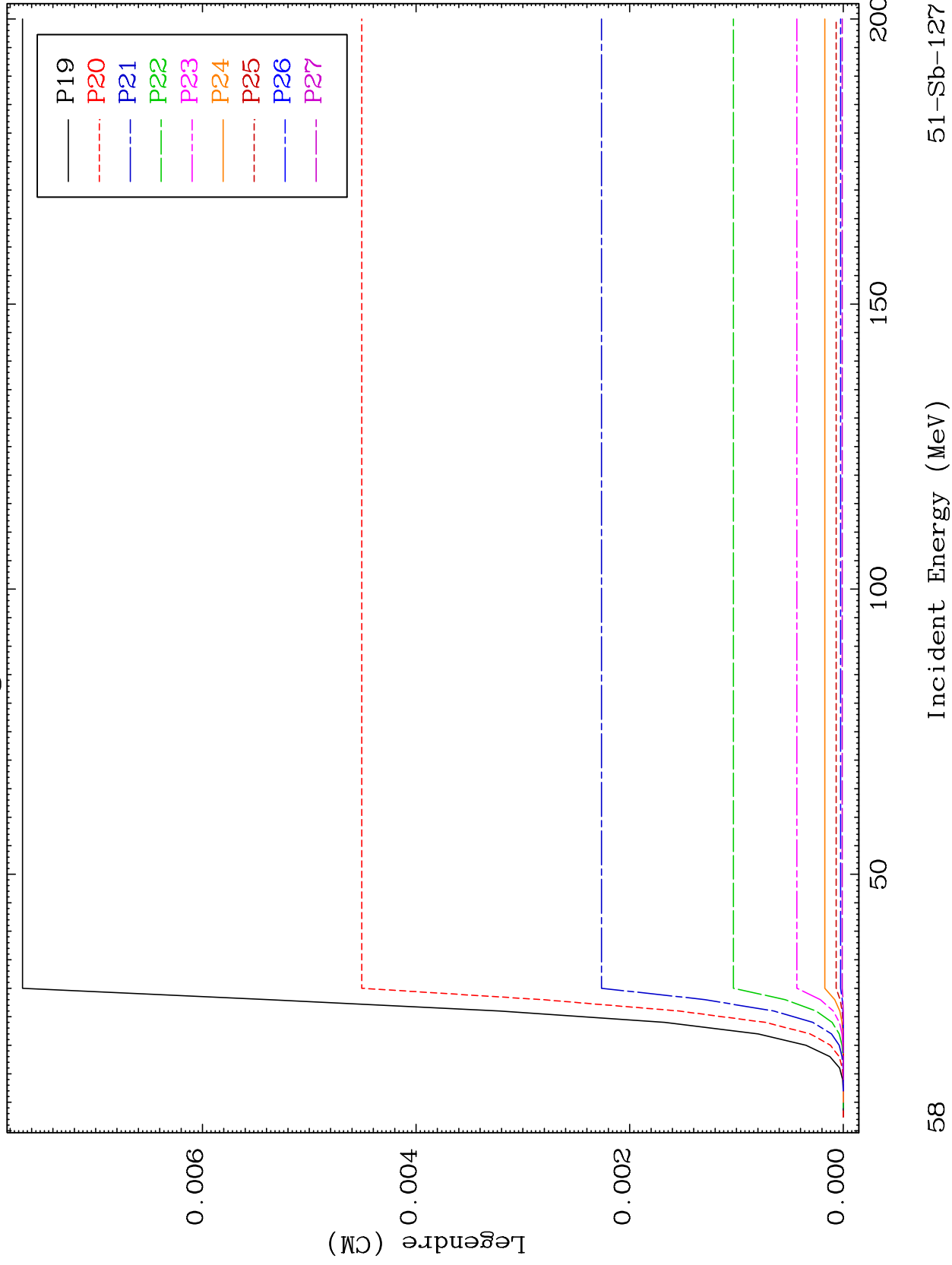




MAT 5143

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

51-Sb-127

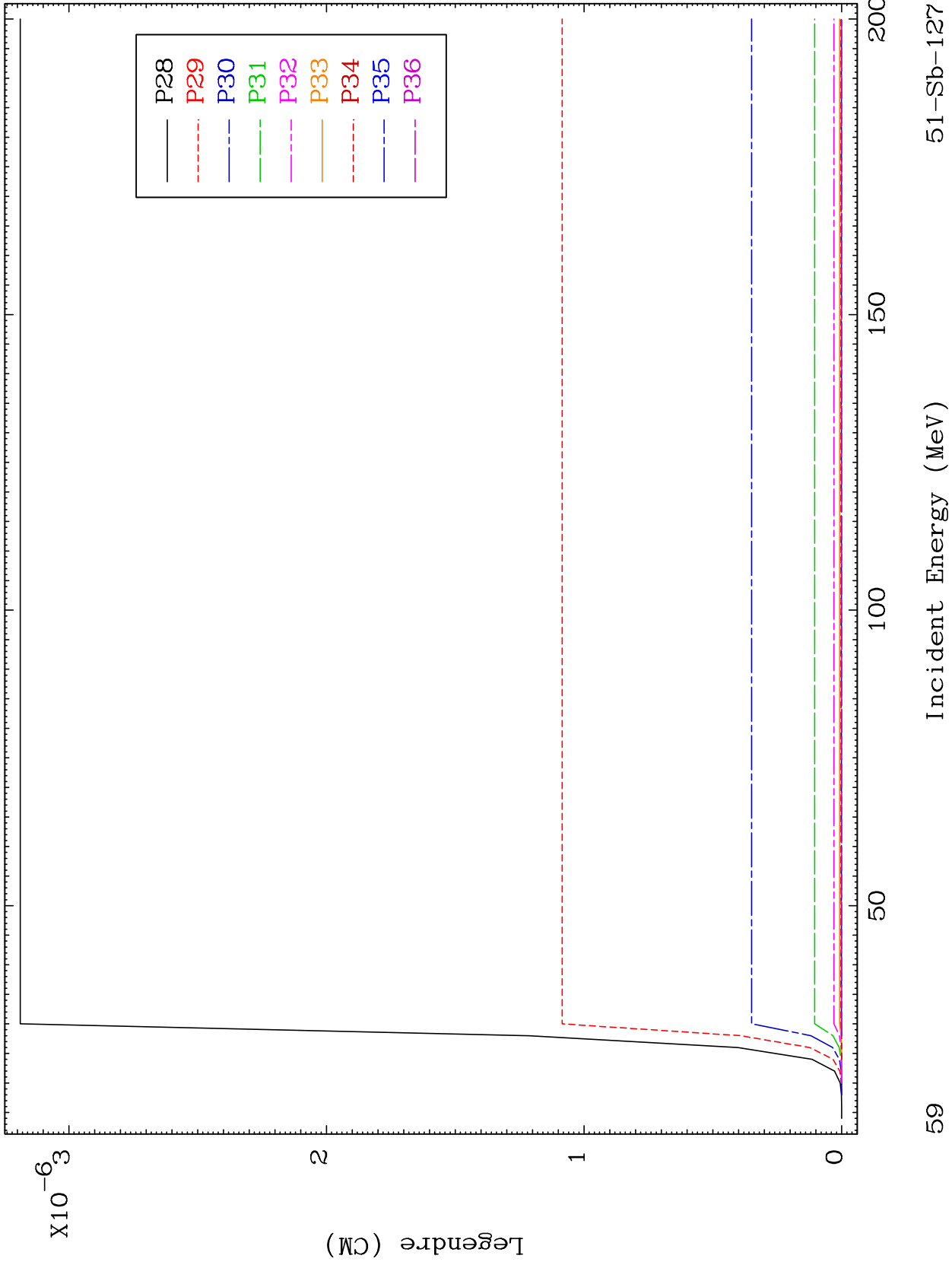


58

MAT 5143

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

51-Sb-127



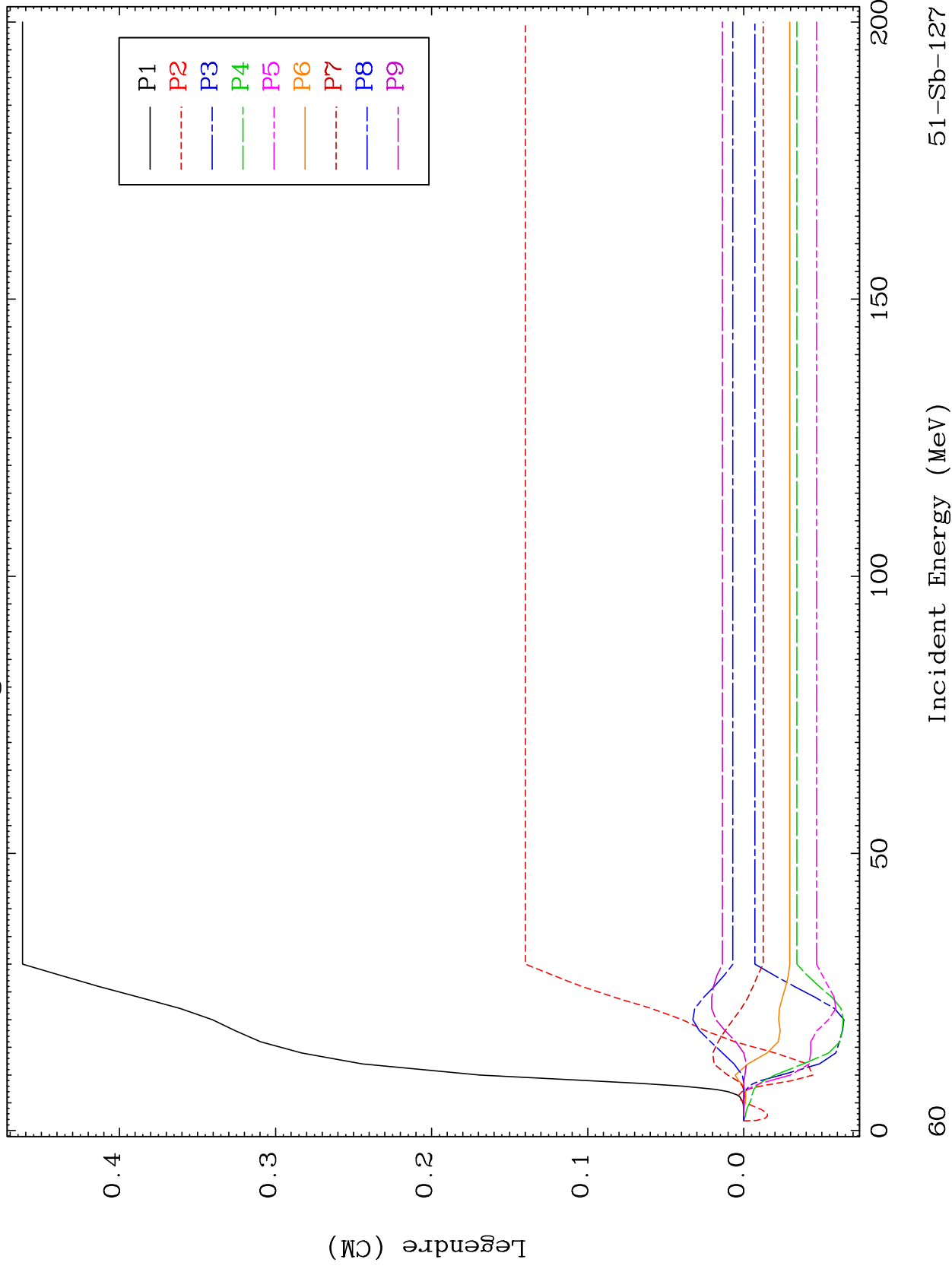
59

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

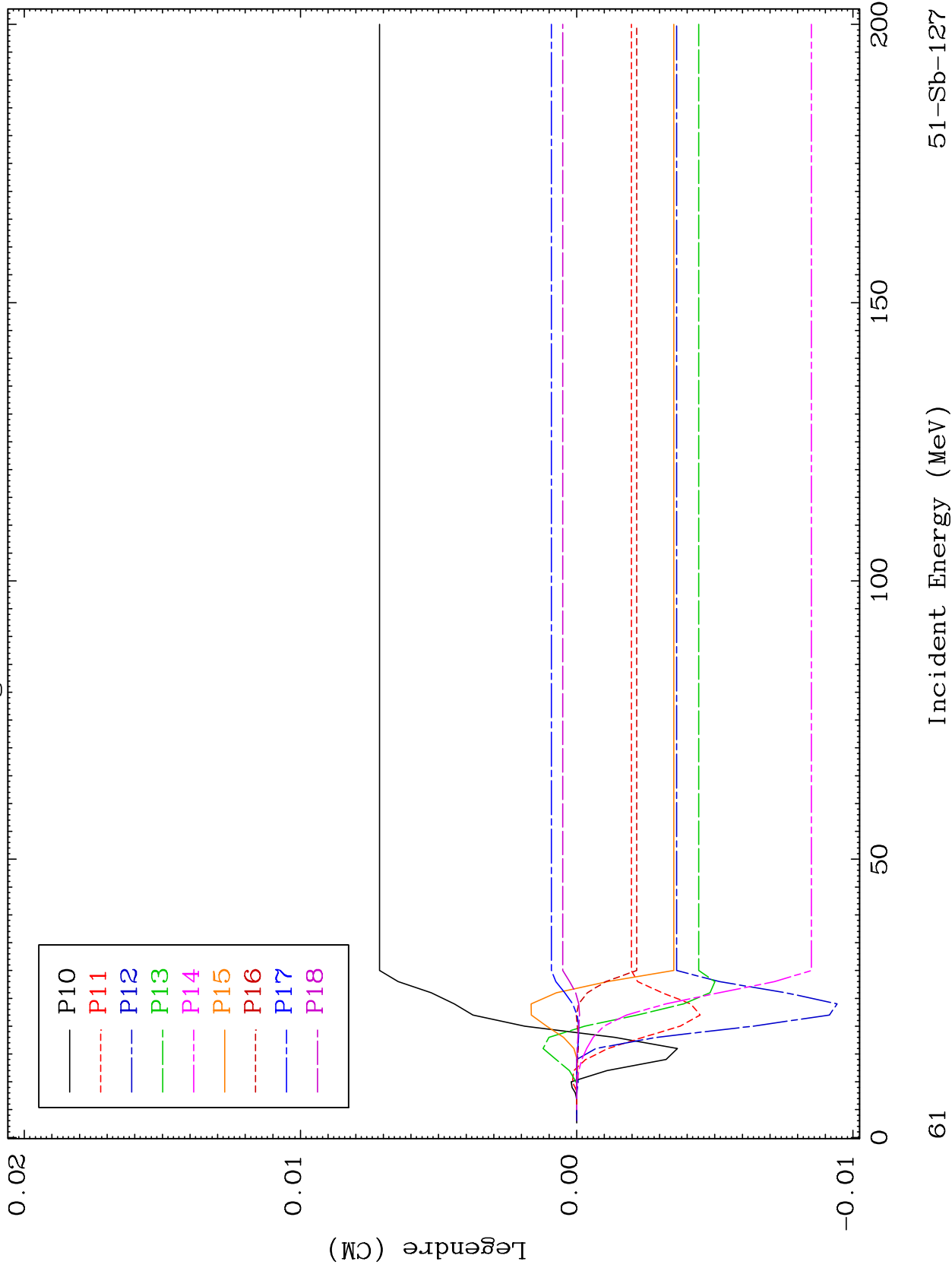
Incident Energy (MeV)

60

MAT 5143

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

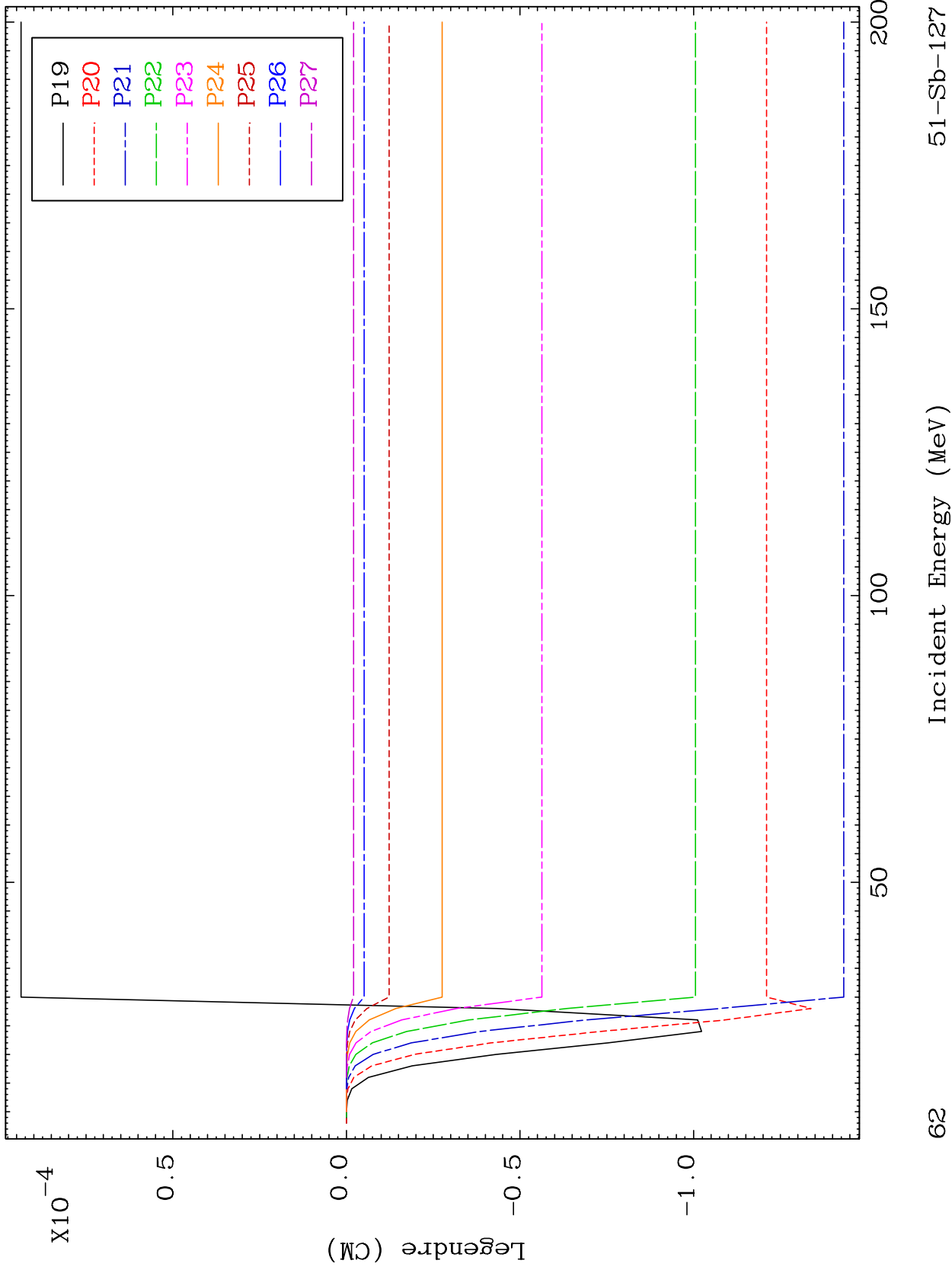
51-Sb-127



51-Sb-127

Incident Energy (MeV)

61

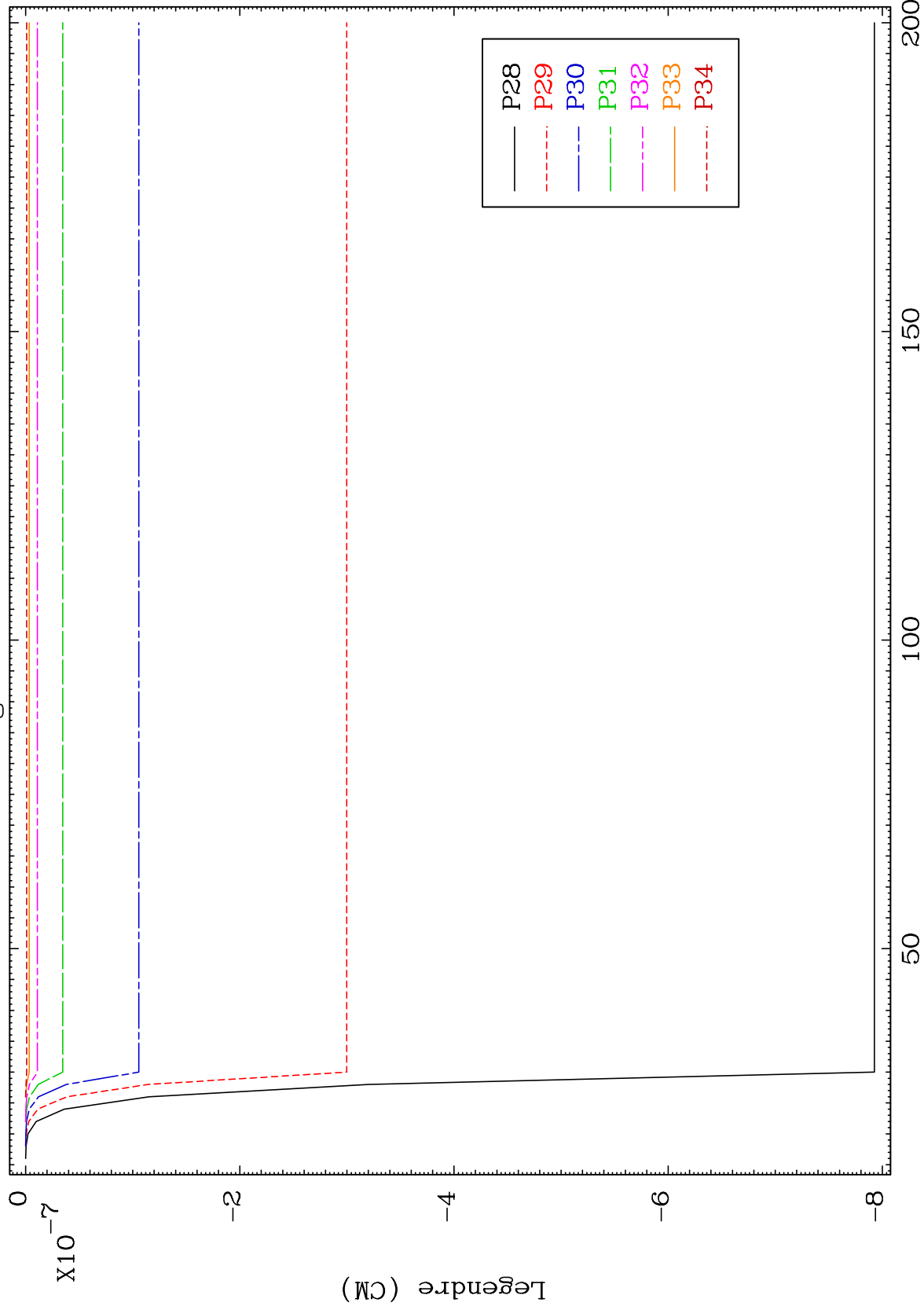


MAT 5143

MT= 61 (n,n') Level

51-Sb-127

Legendre Coefficients



63

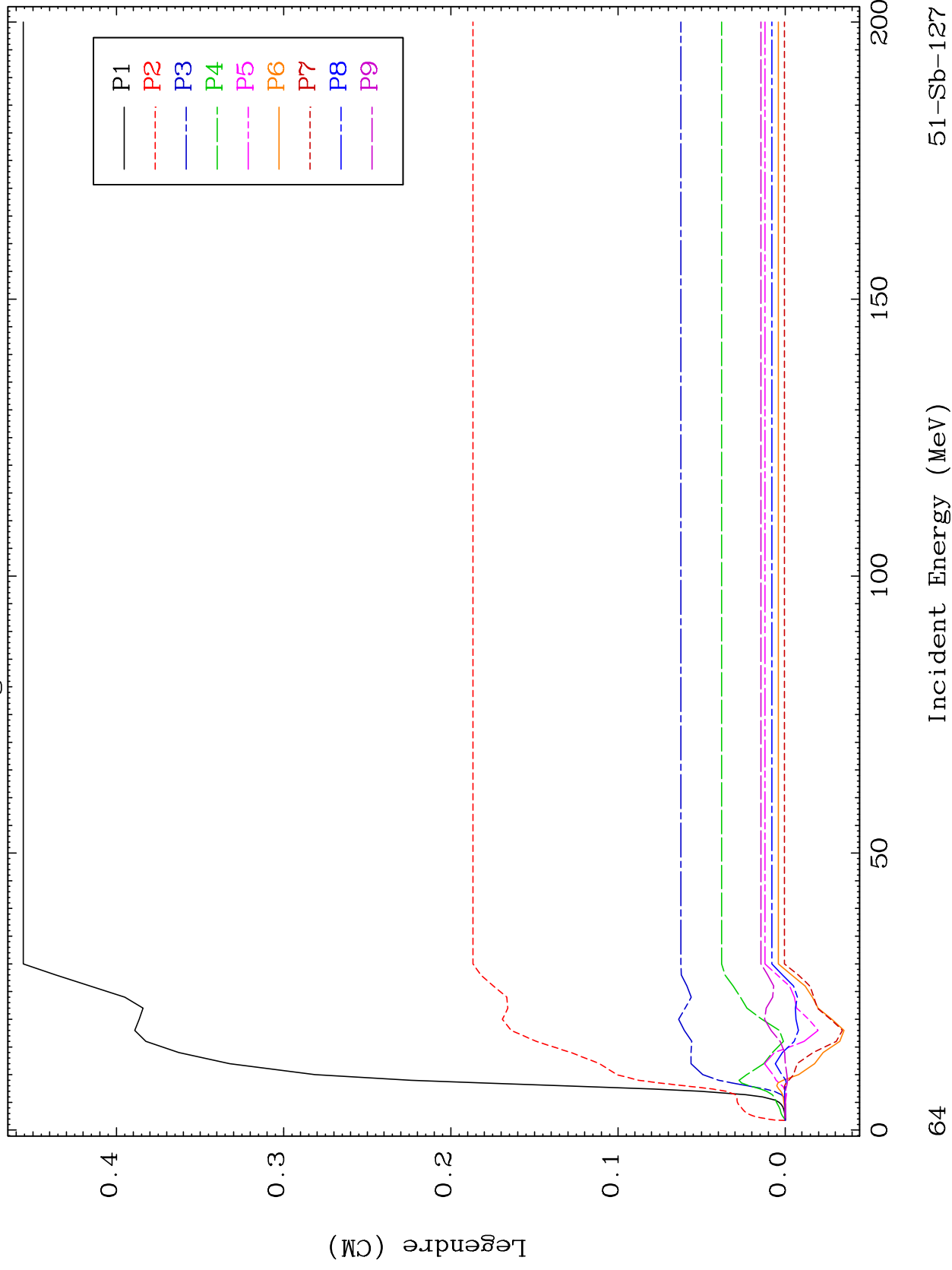
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

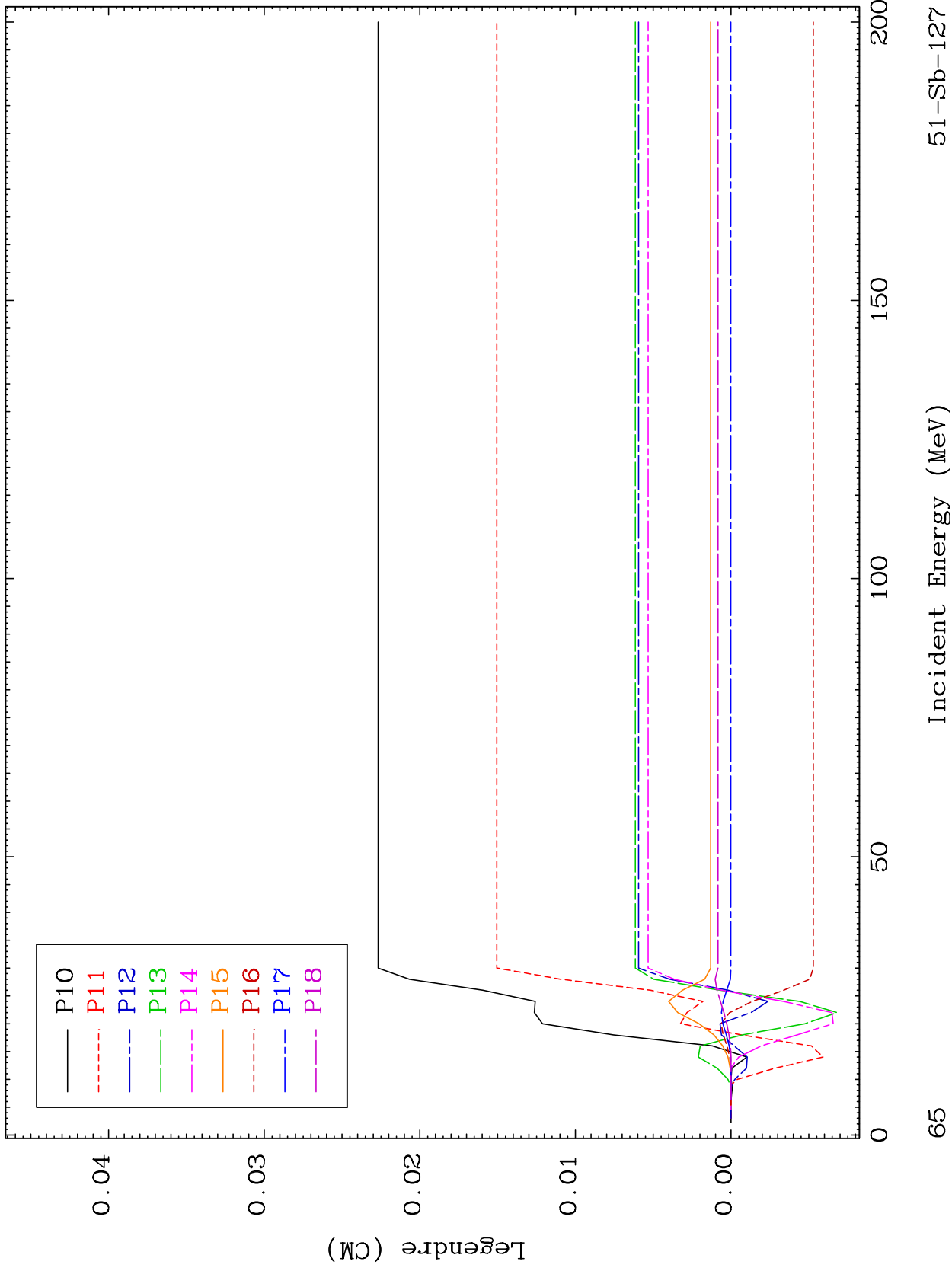
Incident Energy (MeV)

64

MAT 5143

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

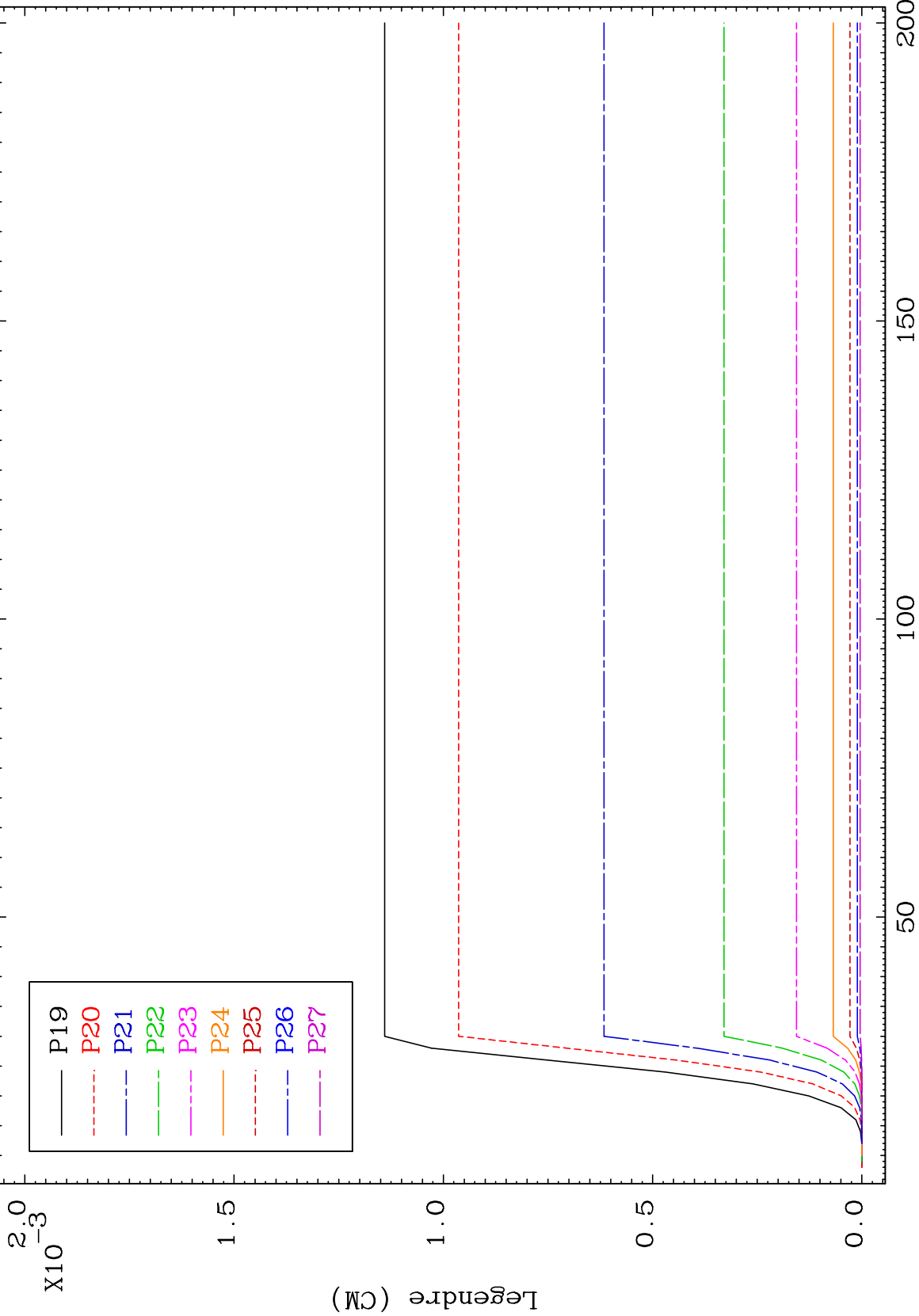
51-Sb-127



51-Sb-127

Incident Energy (MeV)

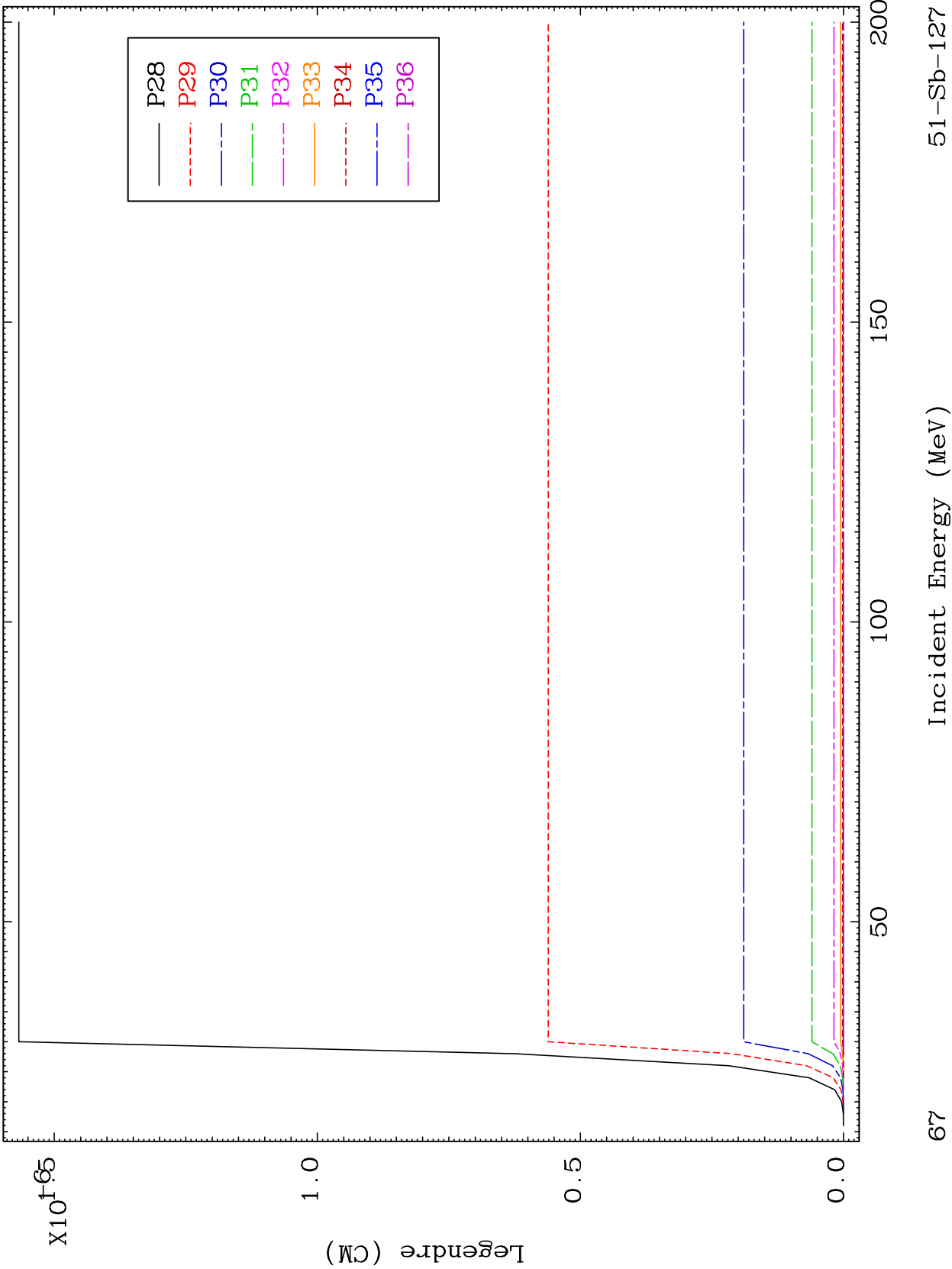
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MAT 5143

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

51-Sb-127



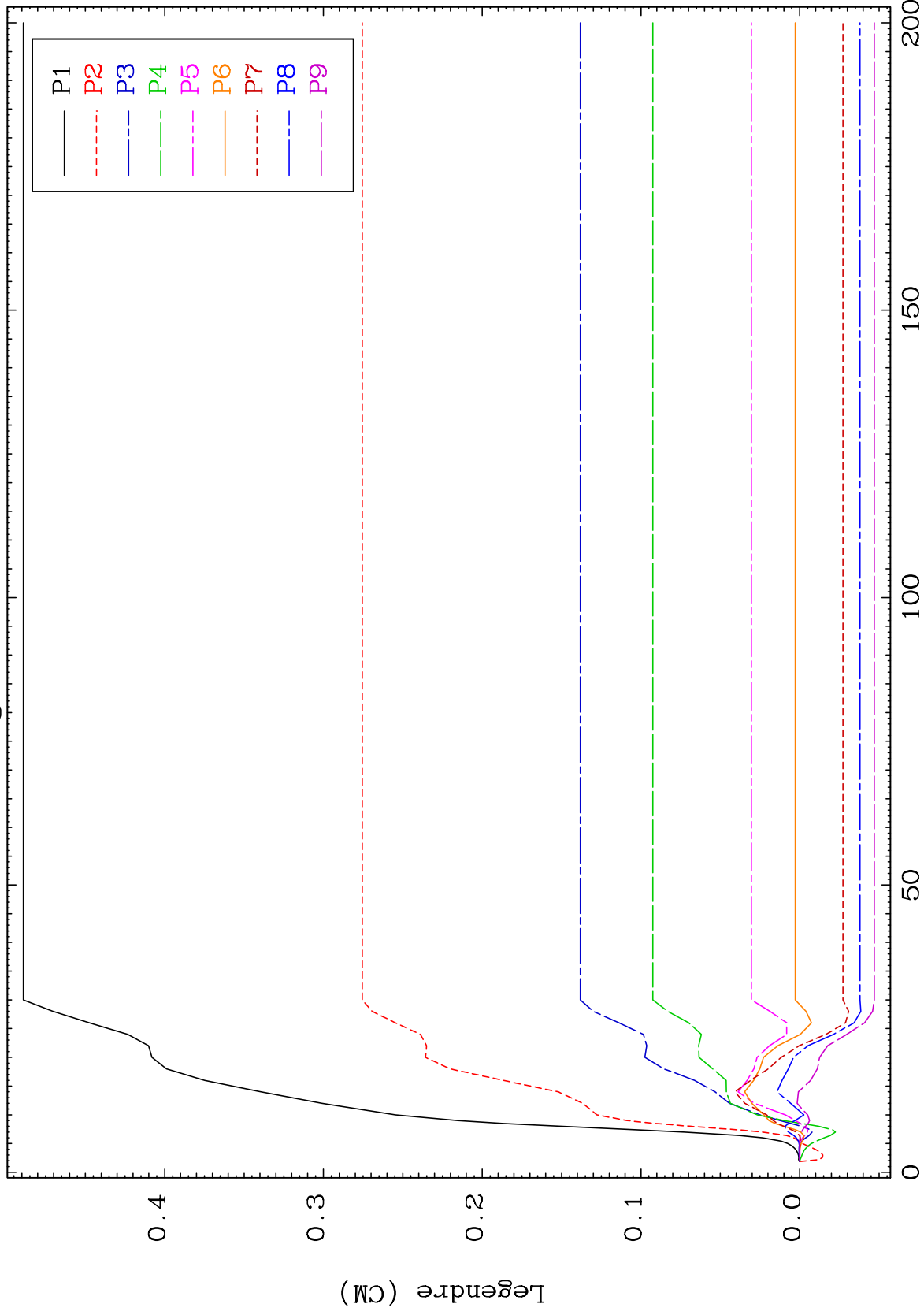
67

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

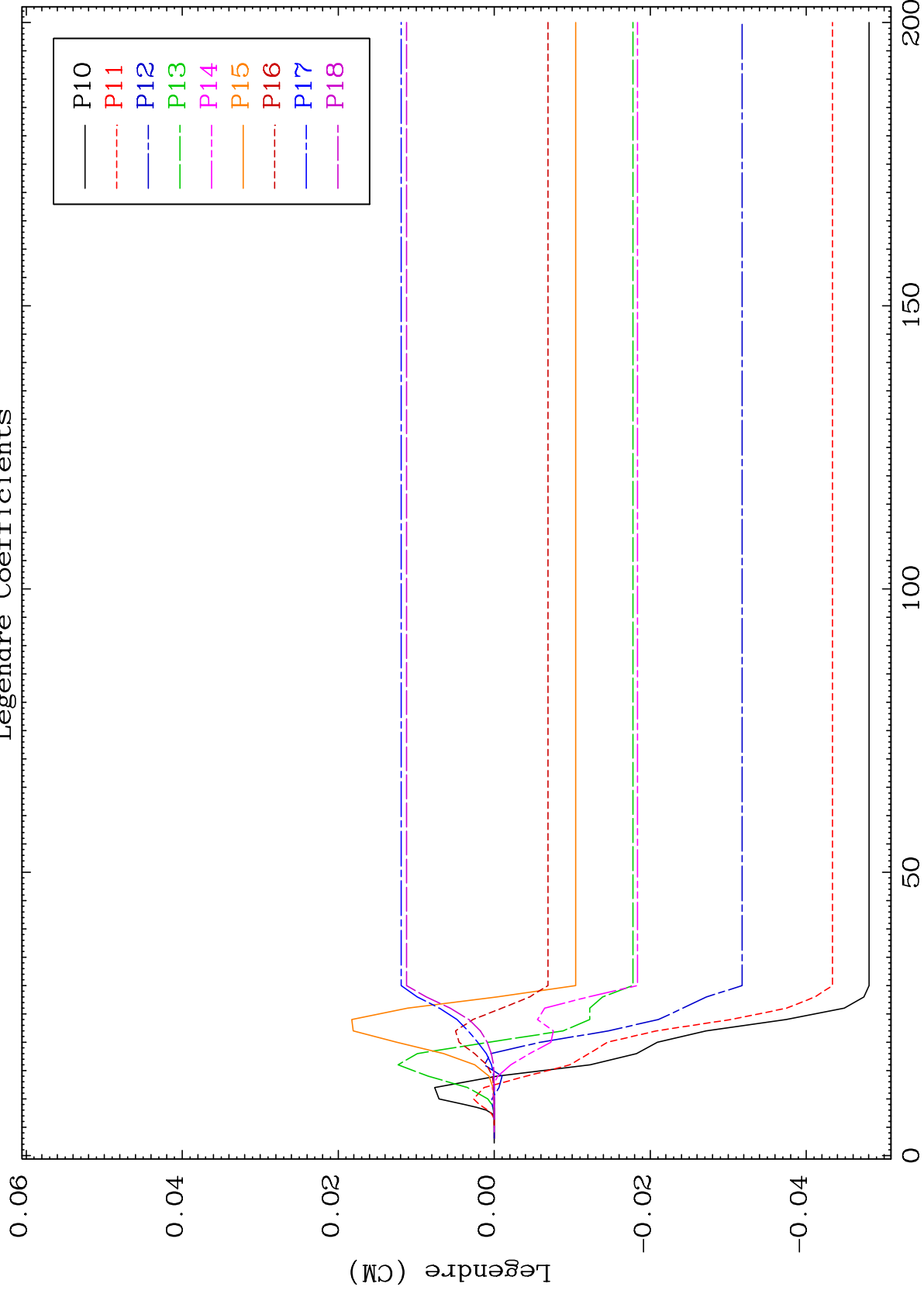
Incident Energy (MeV)

68

MAT 5143

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

51-Sb-127



69

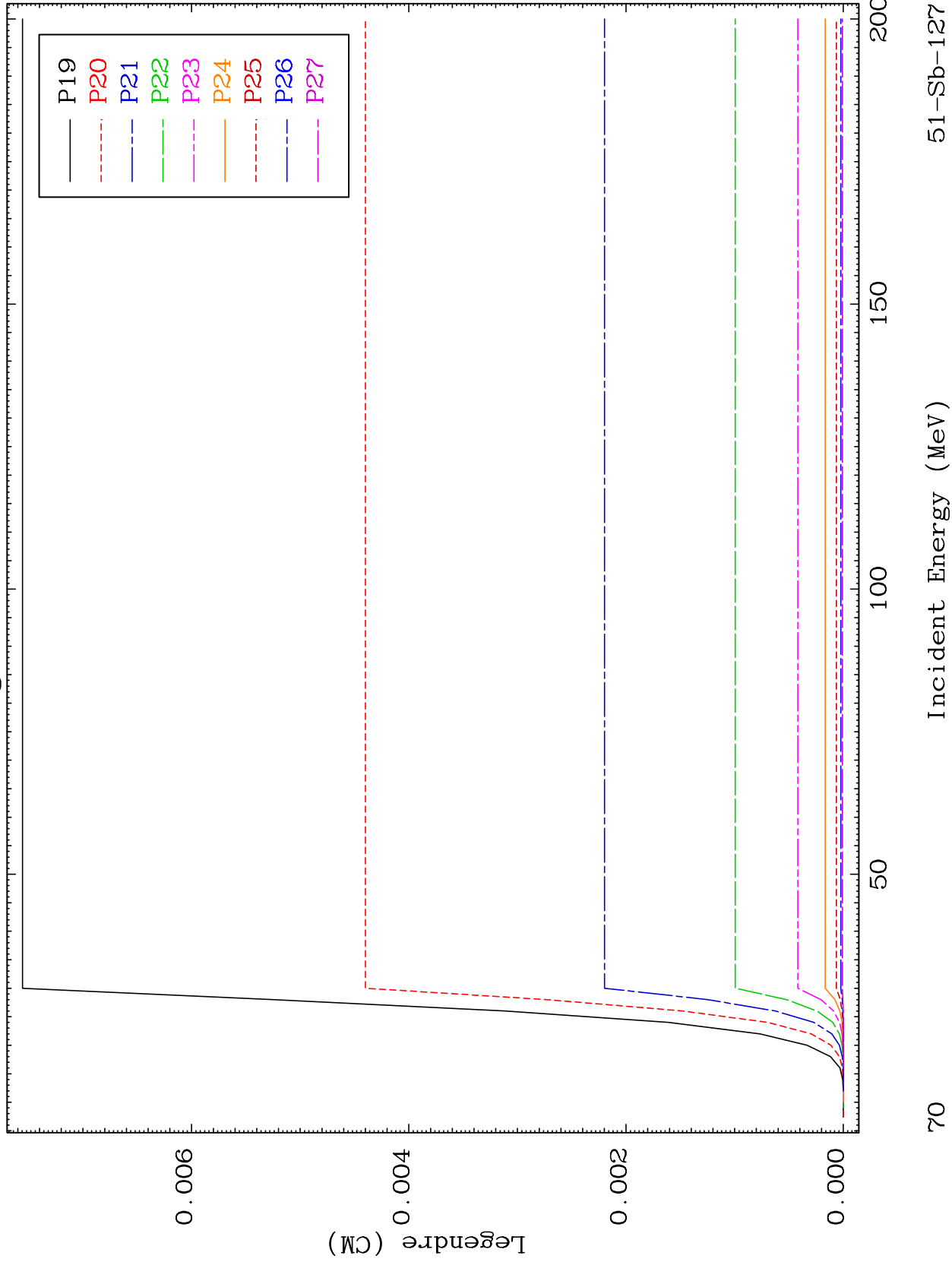
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



70

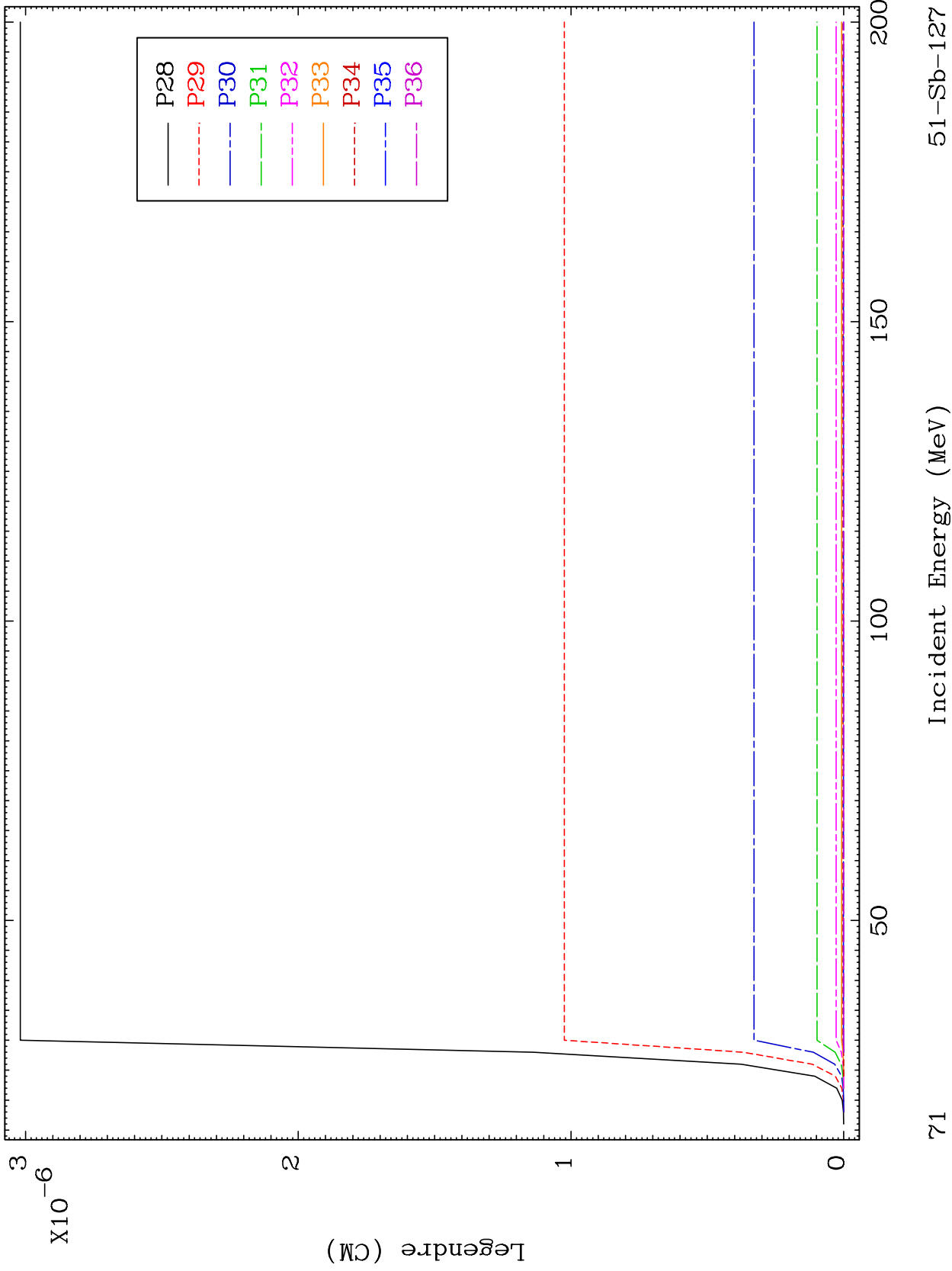
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

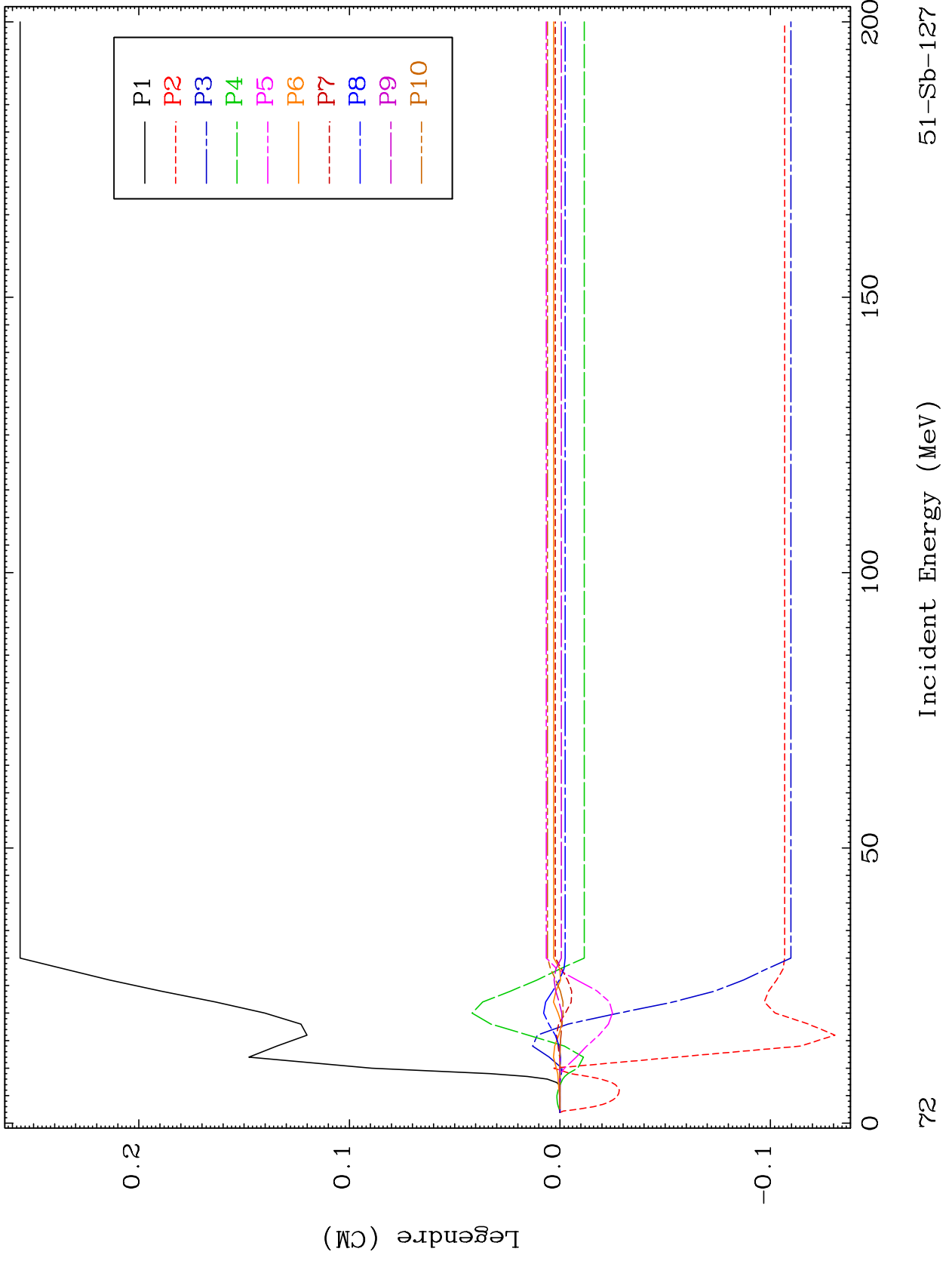
51-Sb-127



MAT 5143

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

51-Sb-127



51-Sb-127

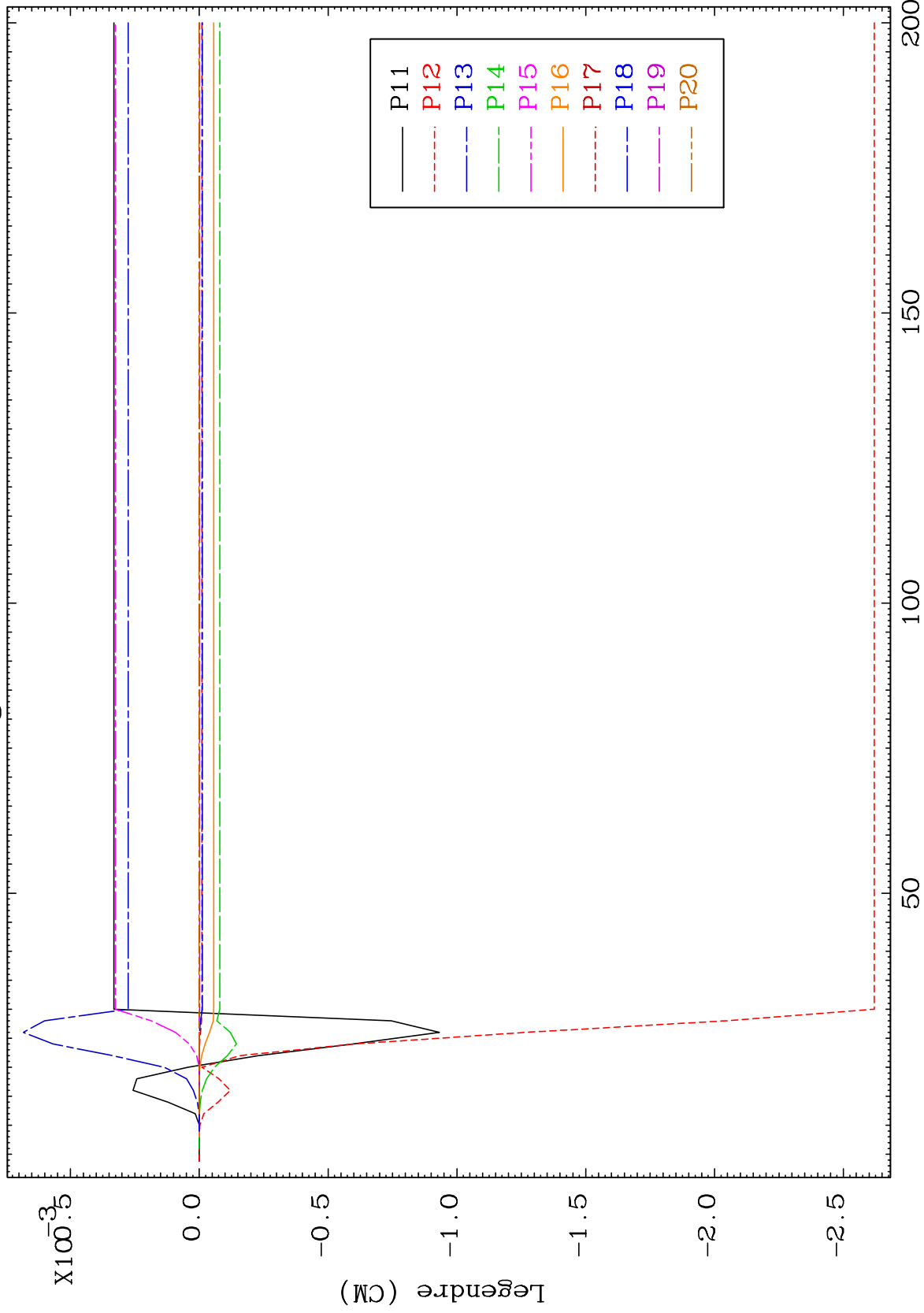
Incident Energy (MeV)

72

MAT 5143

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

51-Sb-127



73

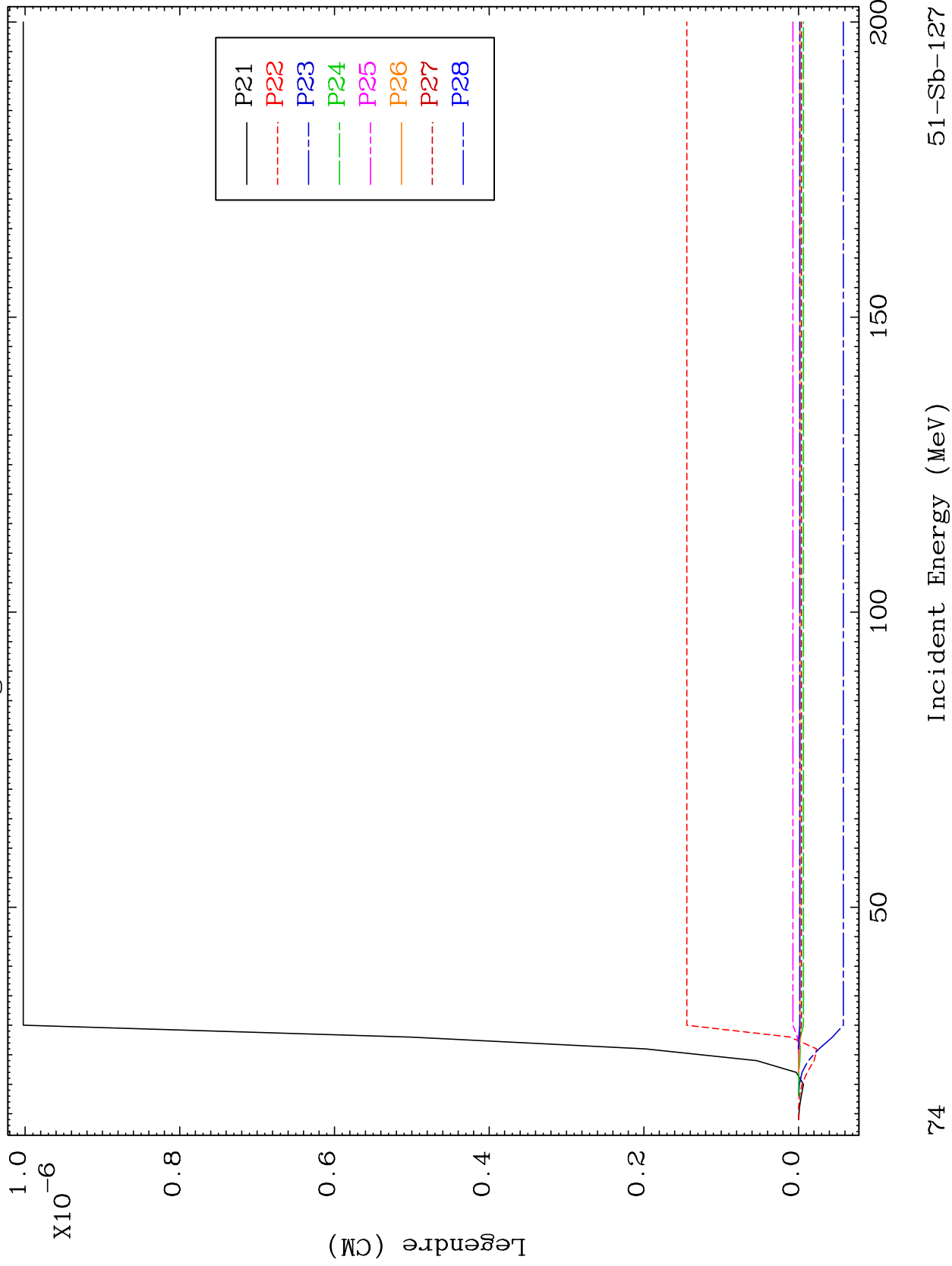
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



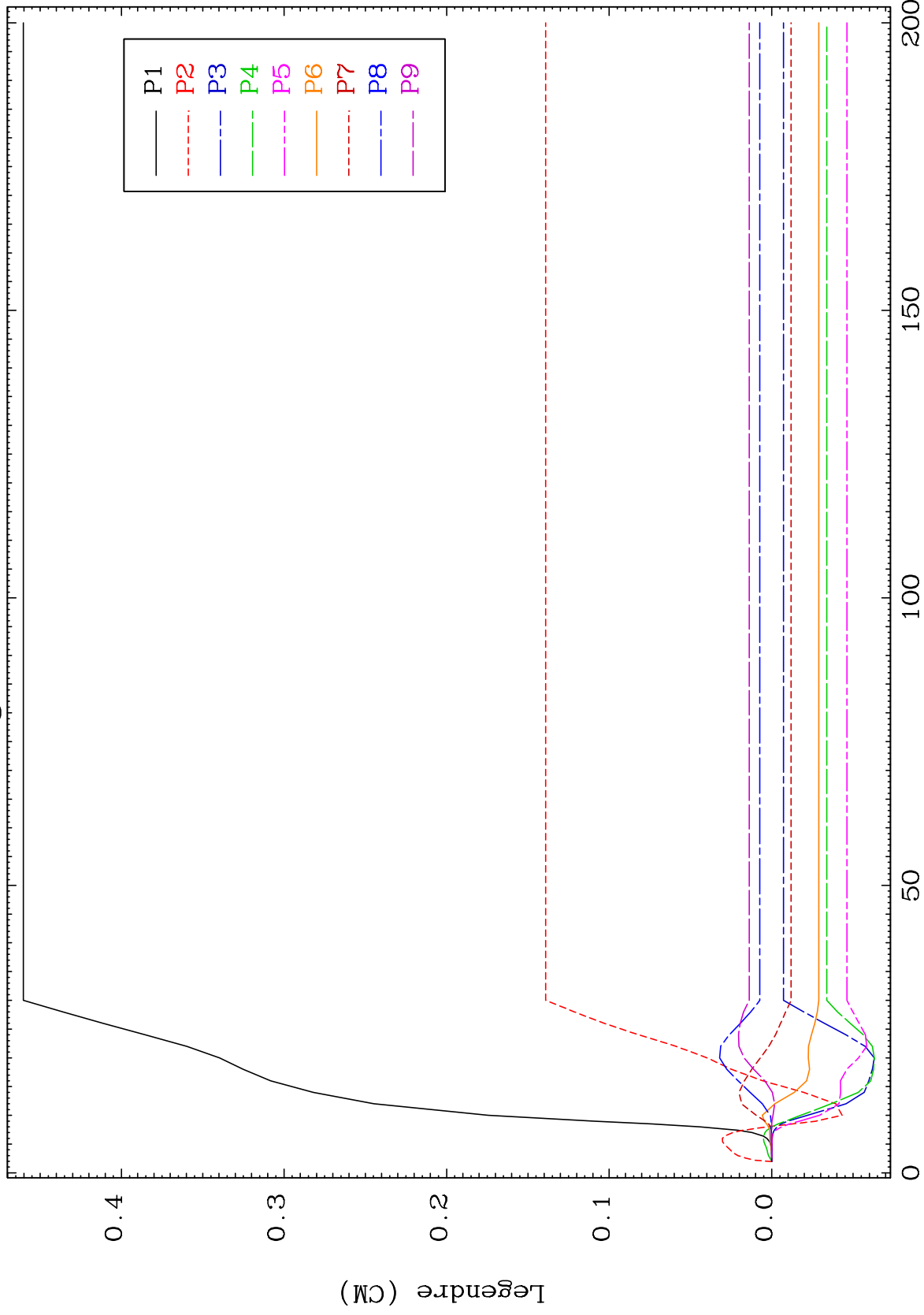
74

51-Sb-127

MAT 5143

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

51-Sb-127



75

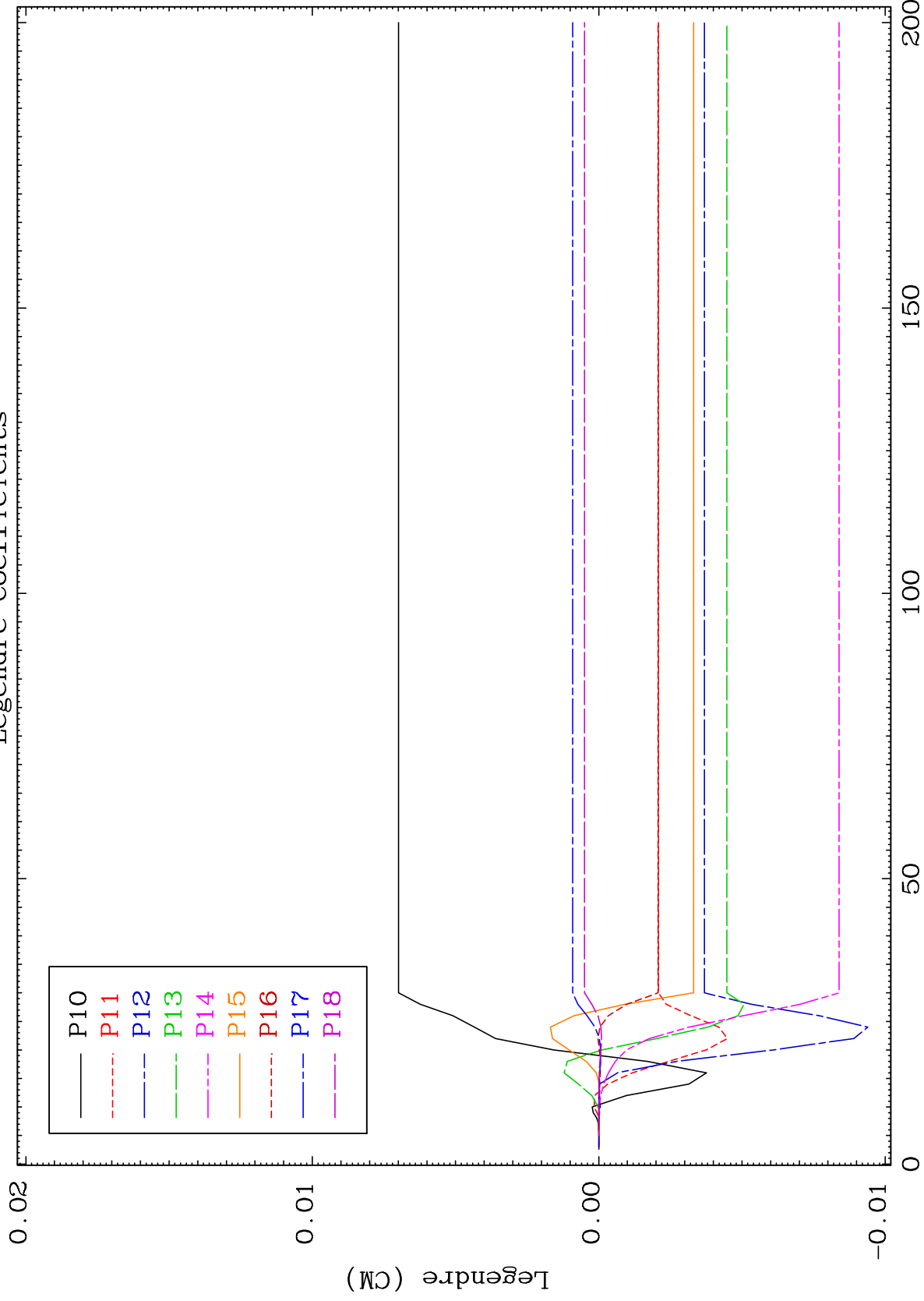
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

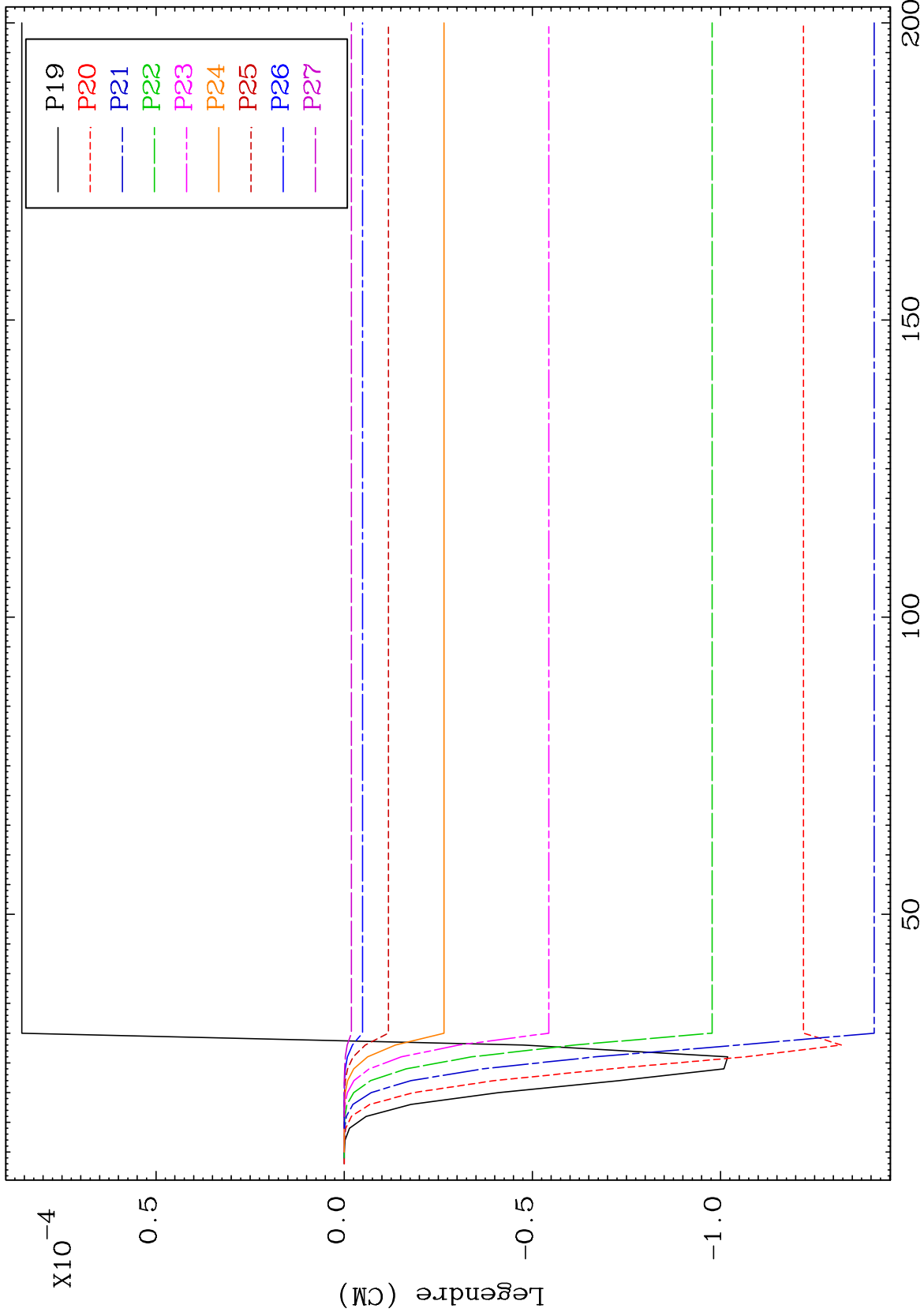
51-Sb-127



76

Incident Energy (MeV)

51-Sb-127

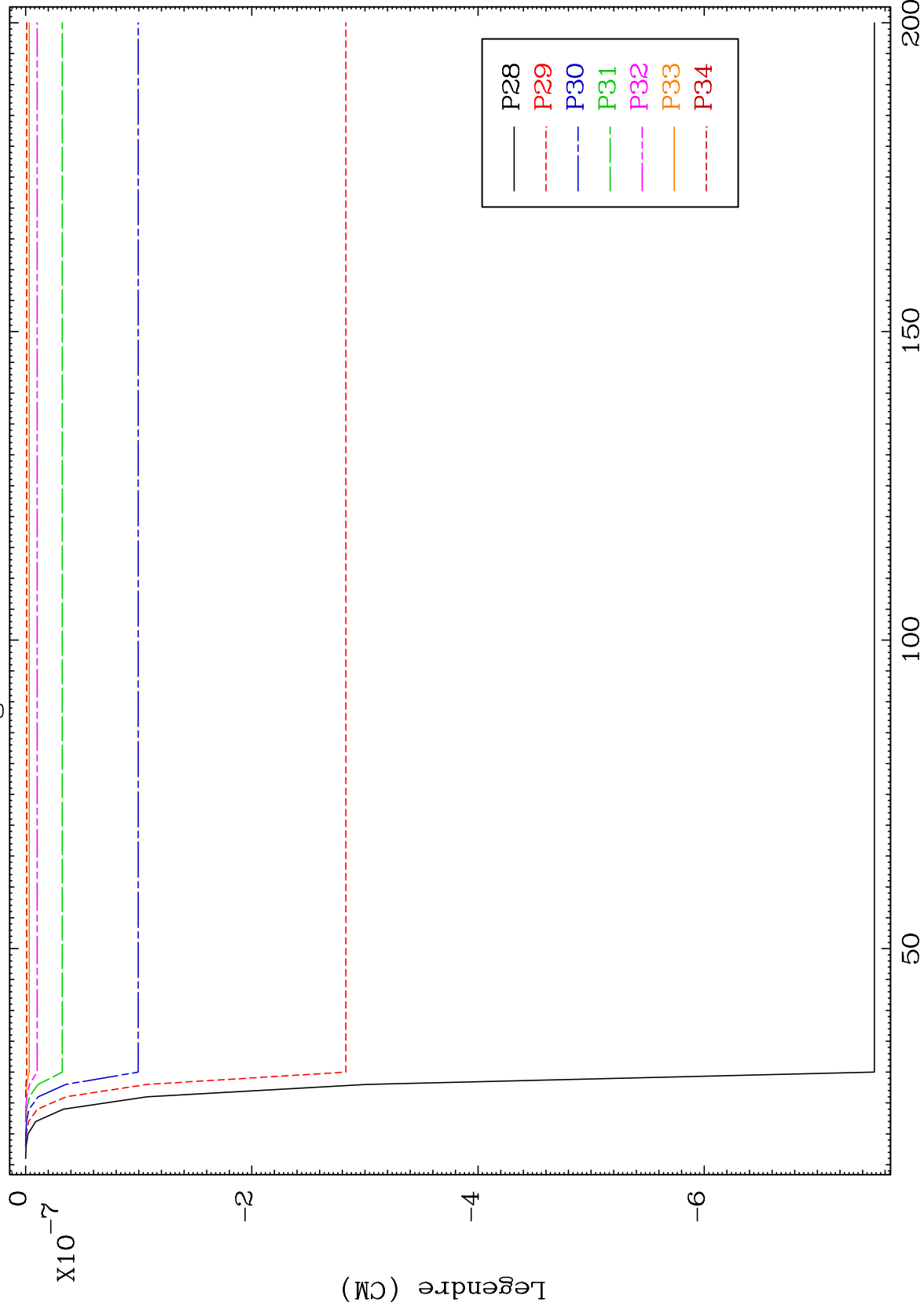


MAT 5143

MT= 65 (n,n') Level

51-Sb-127

Legendre Coefficients



78

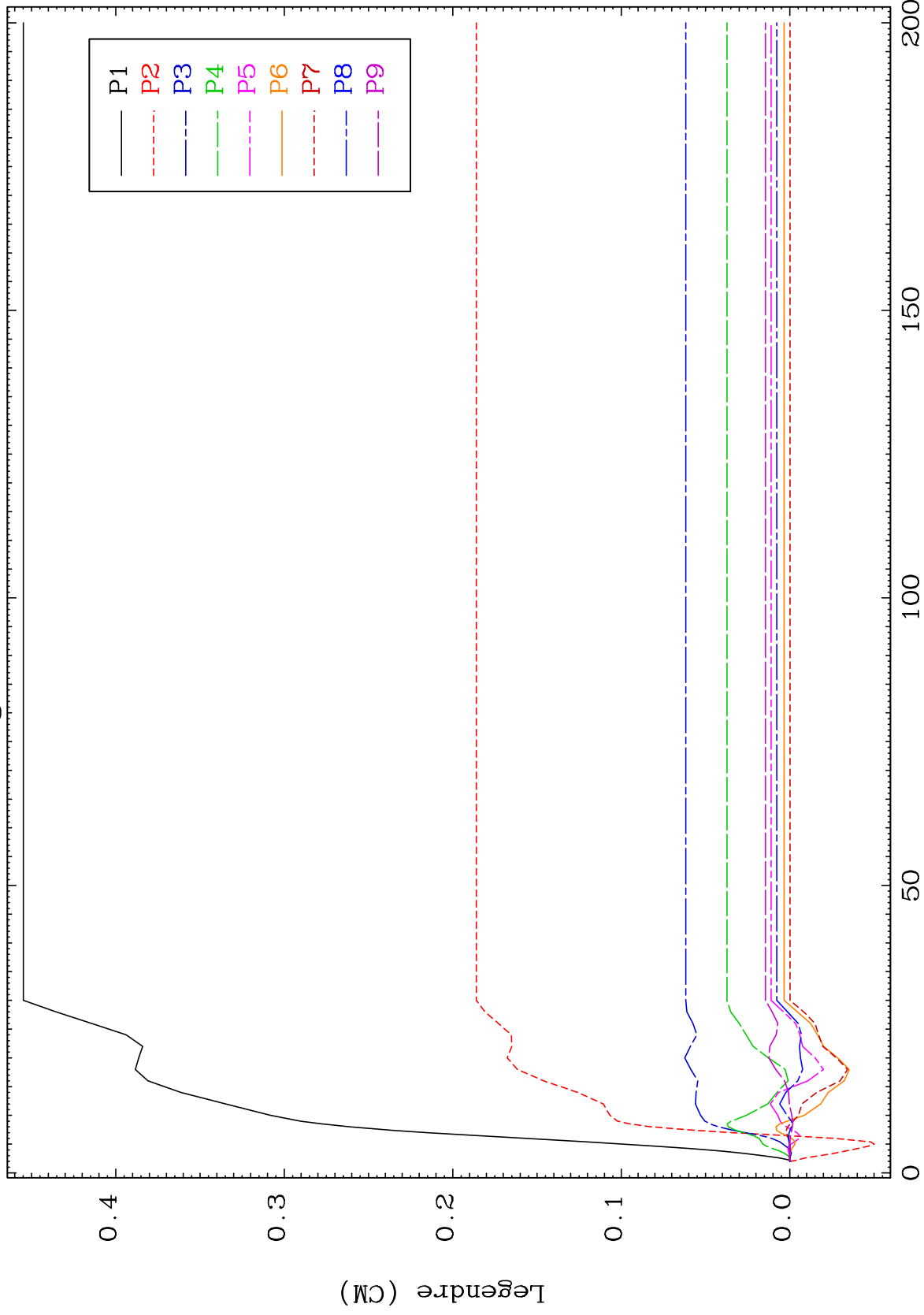
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

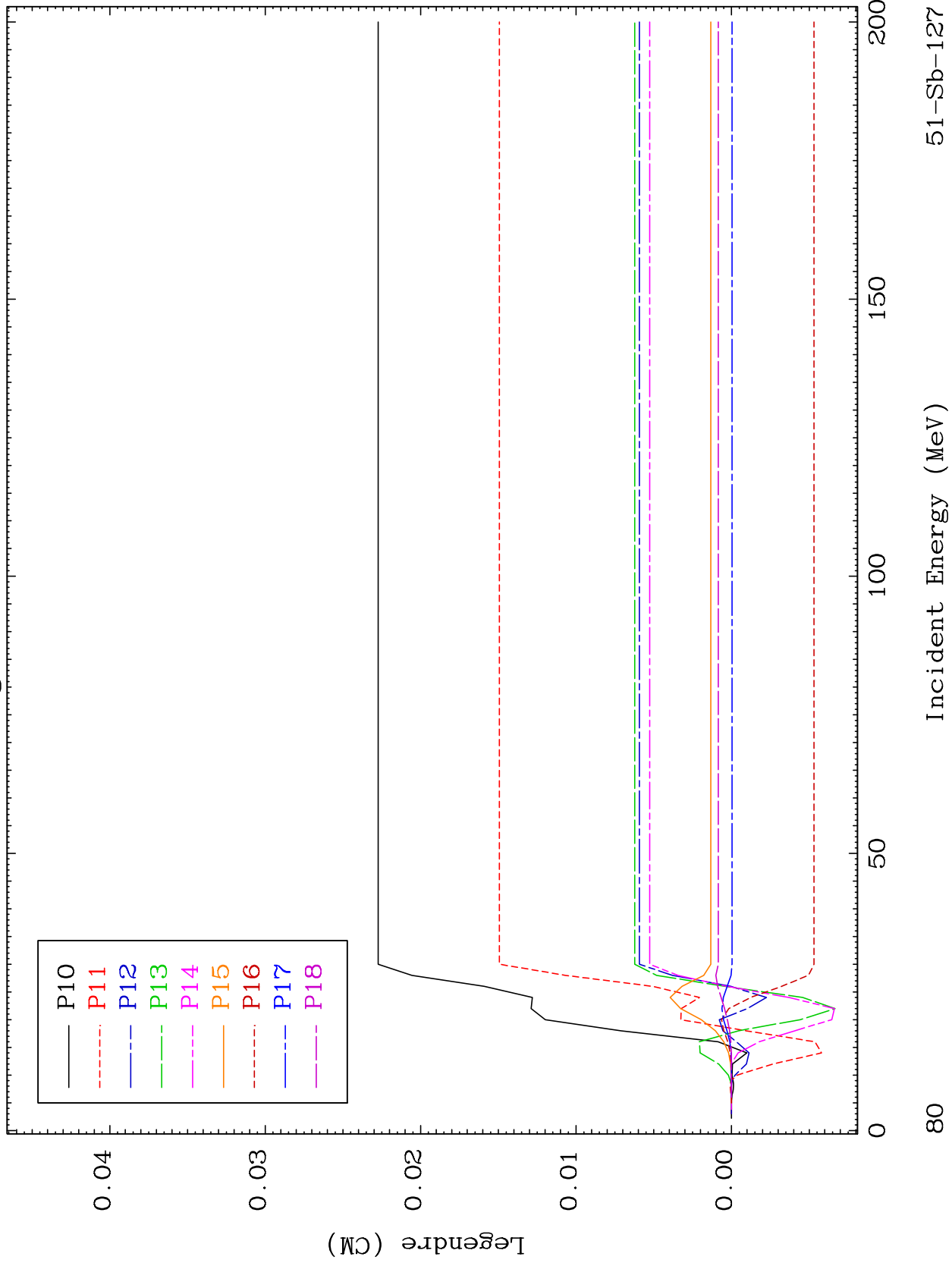
Incident Energy (MeV)

79

MAT 5143

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

51-Sb-127



51-Sb-127

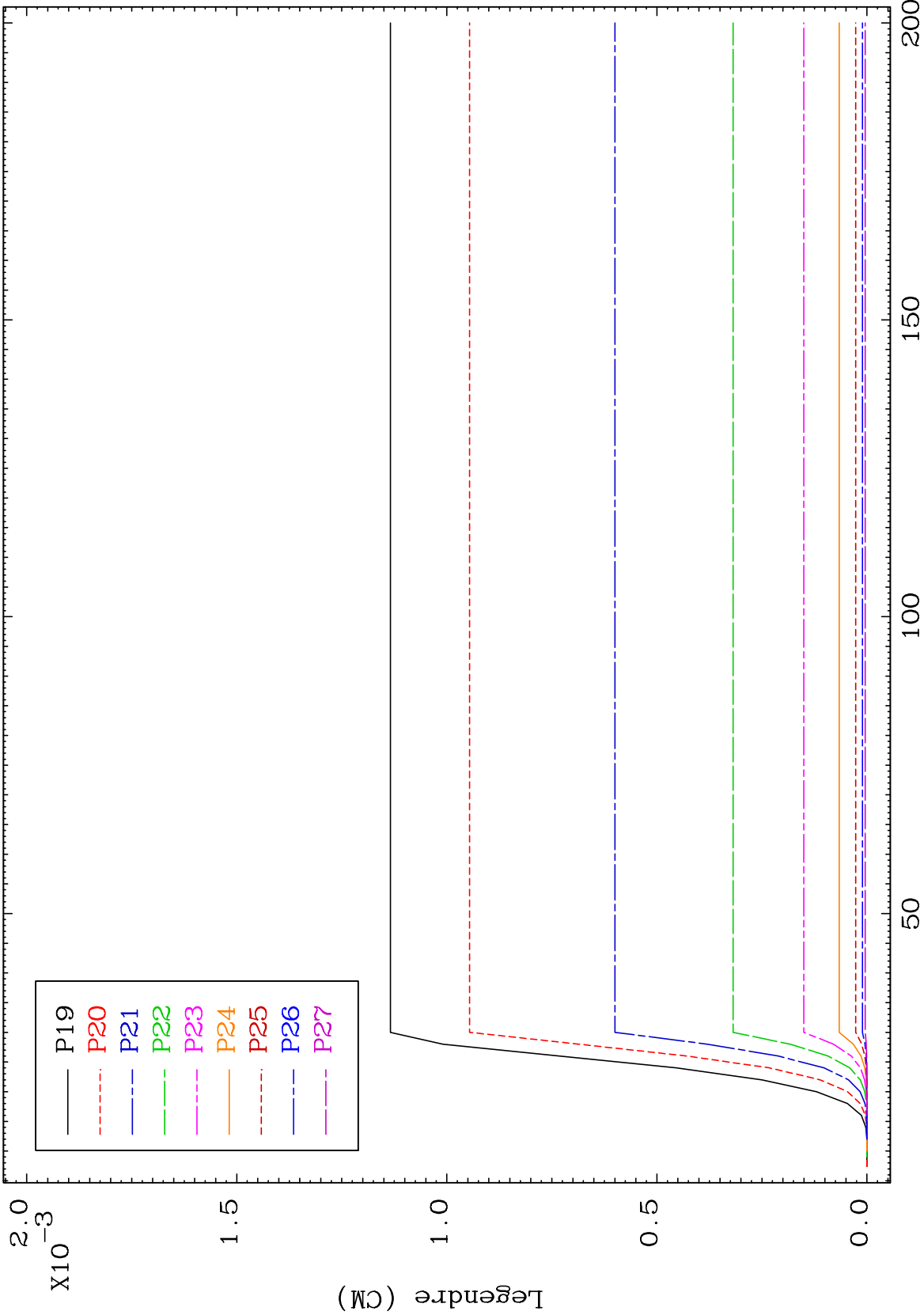
Incident Energy (MeV)

80

MAT 5143

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

51-Sb-127



81

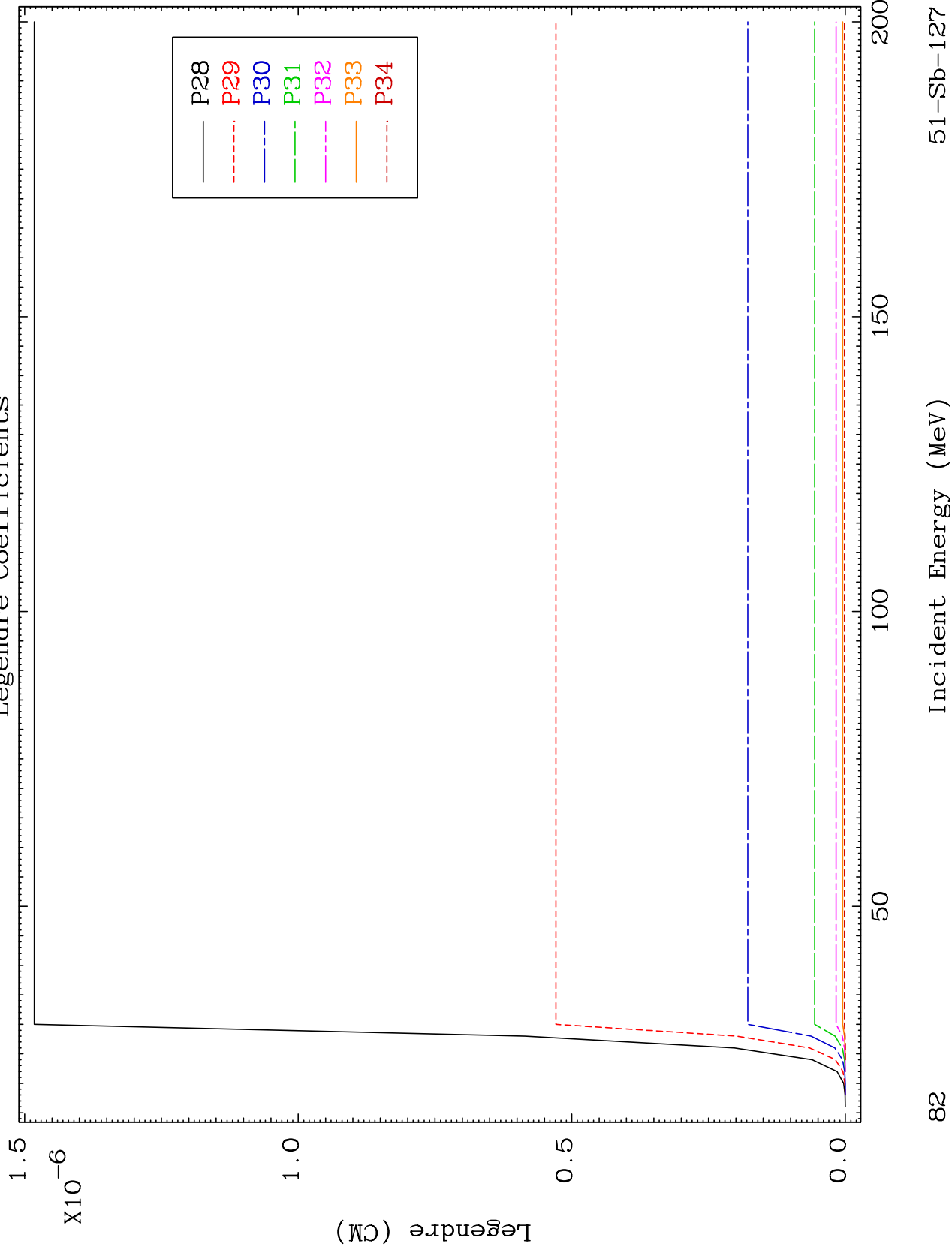
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

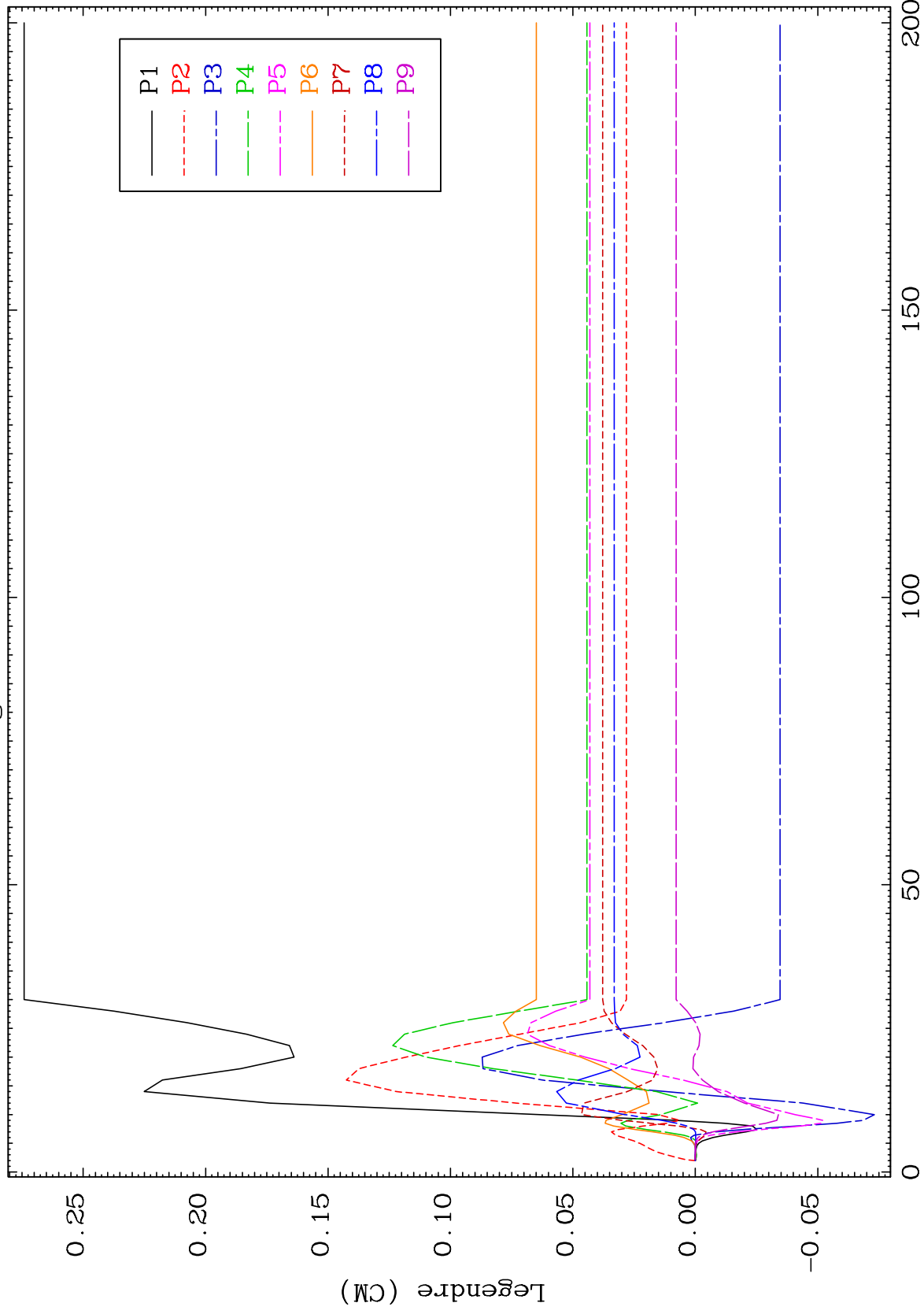
51-Sb-127



MAT 5143

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

51-Sb-127



83

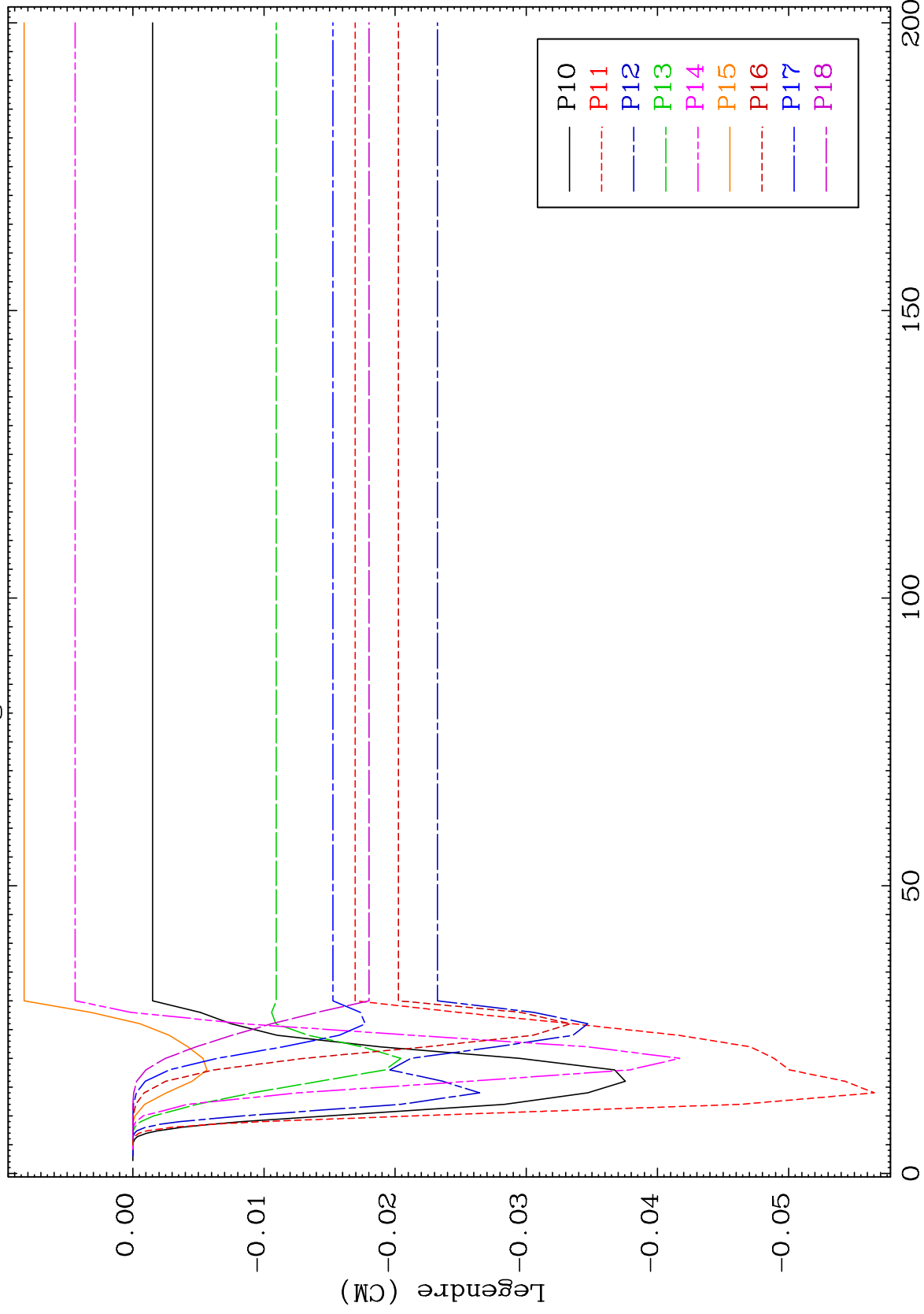
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



84

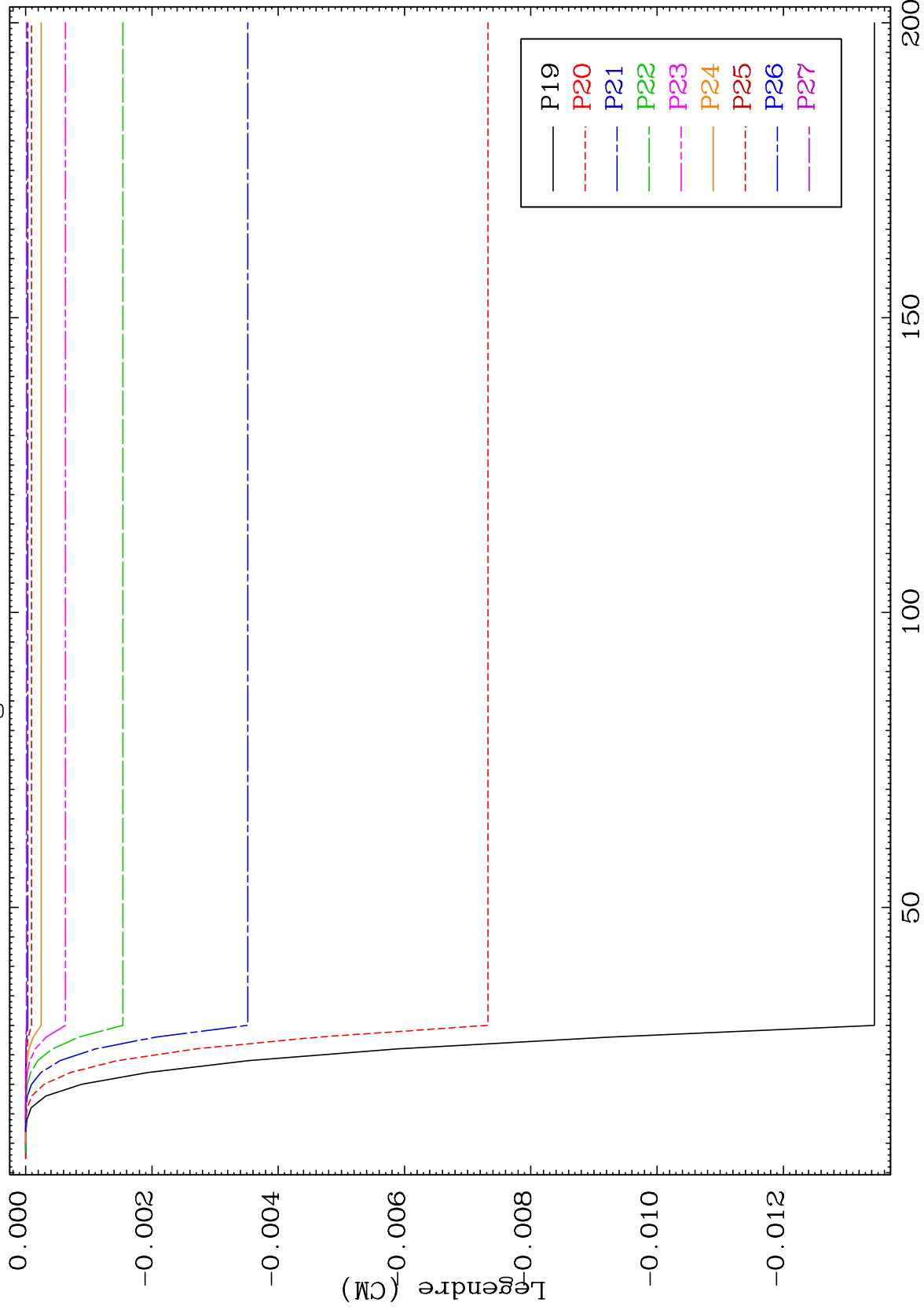
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



85

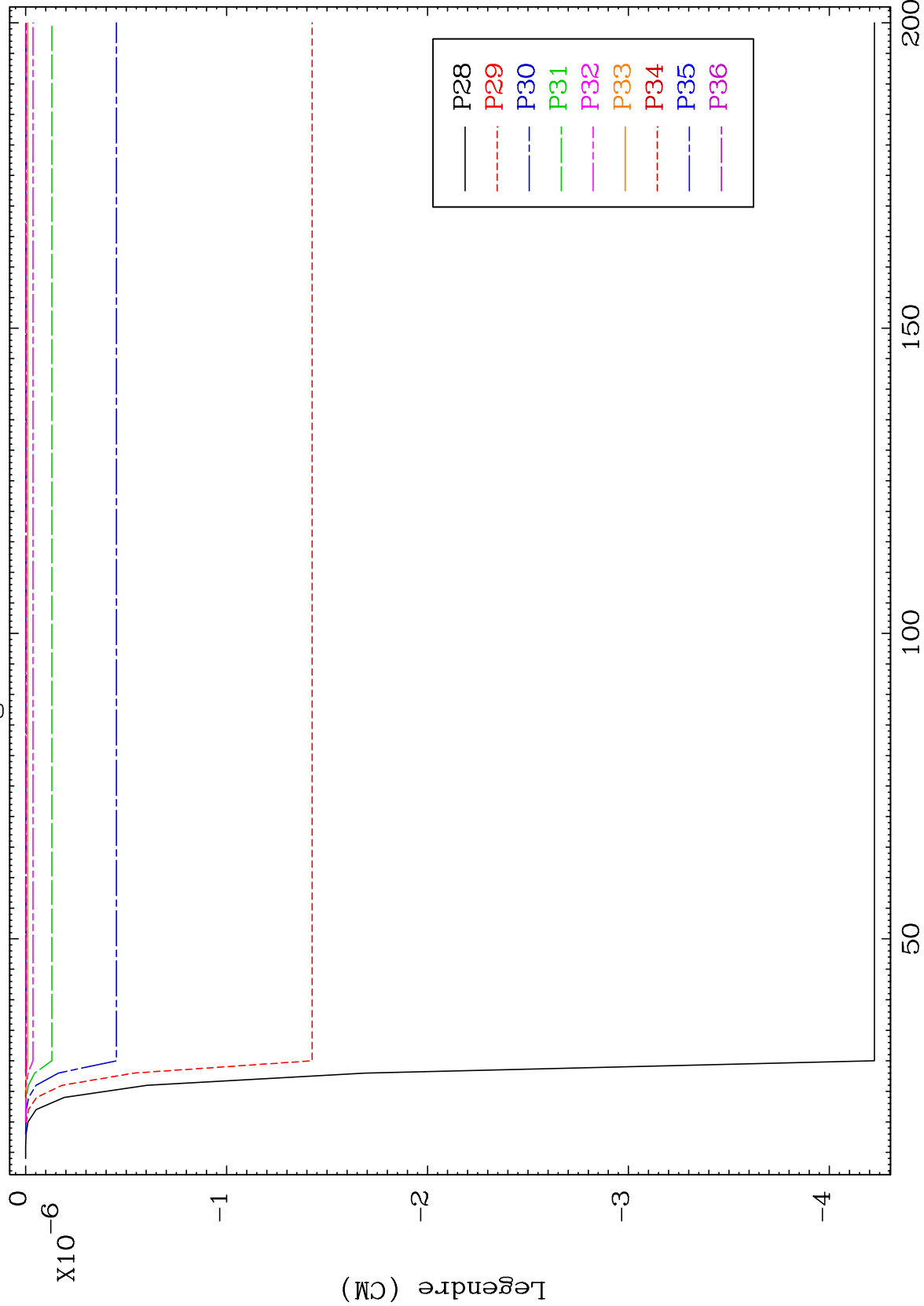
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



86

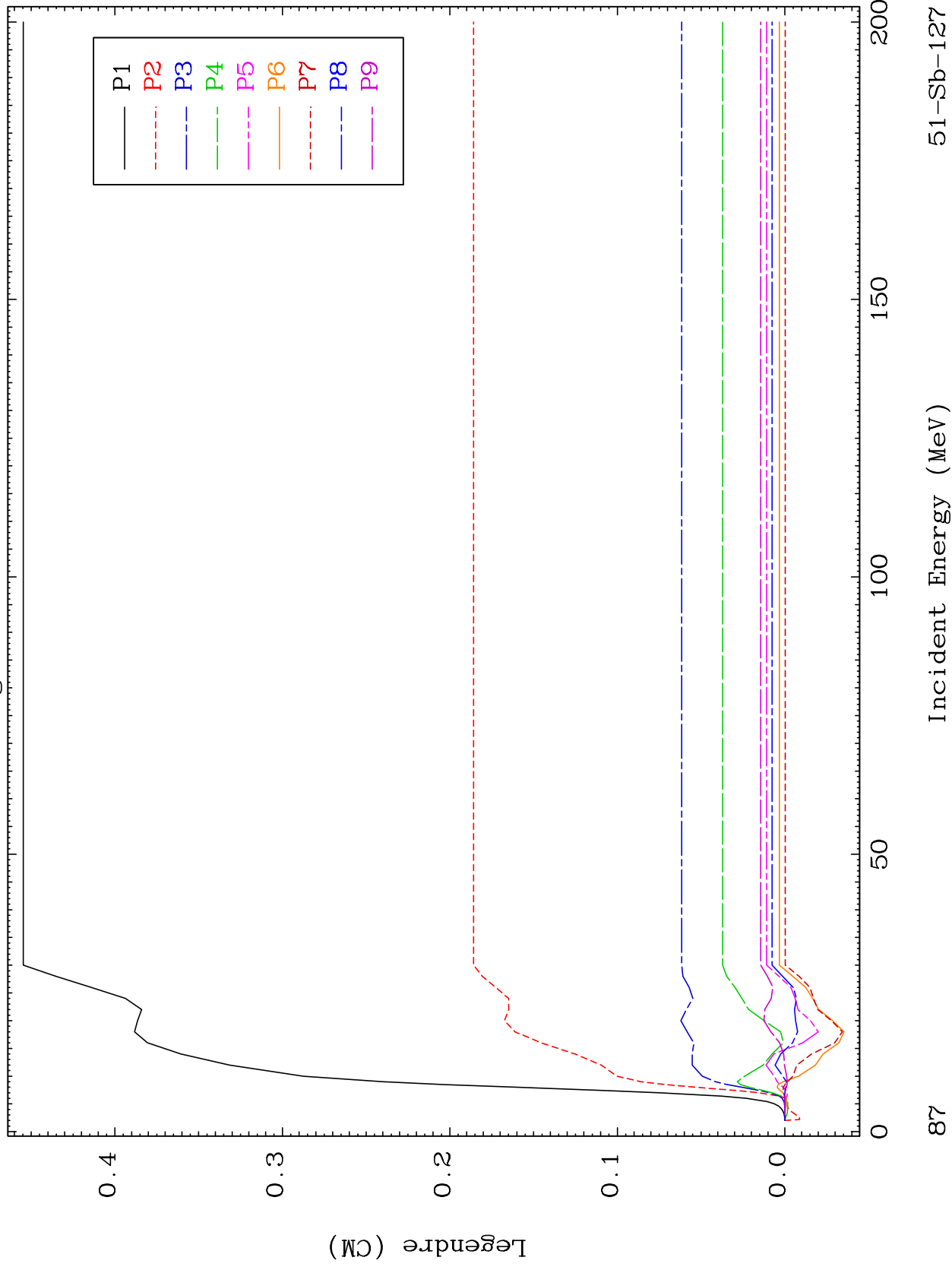
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

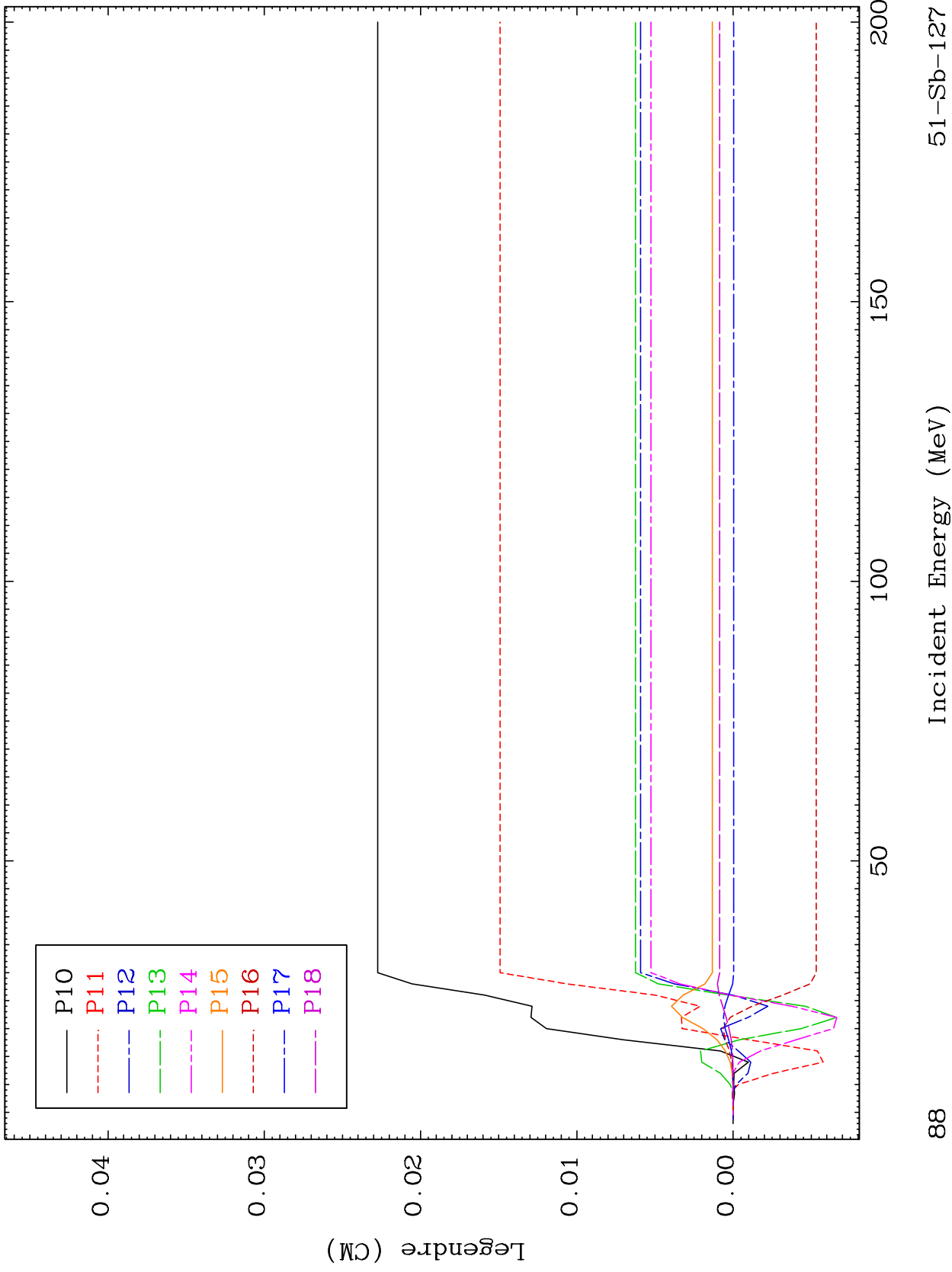
51-Sb-127

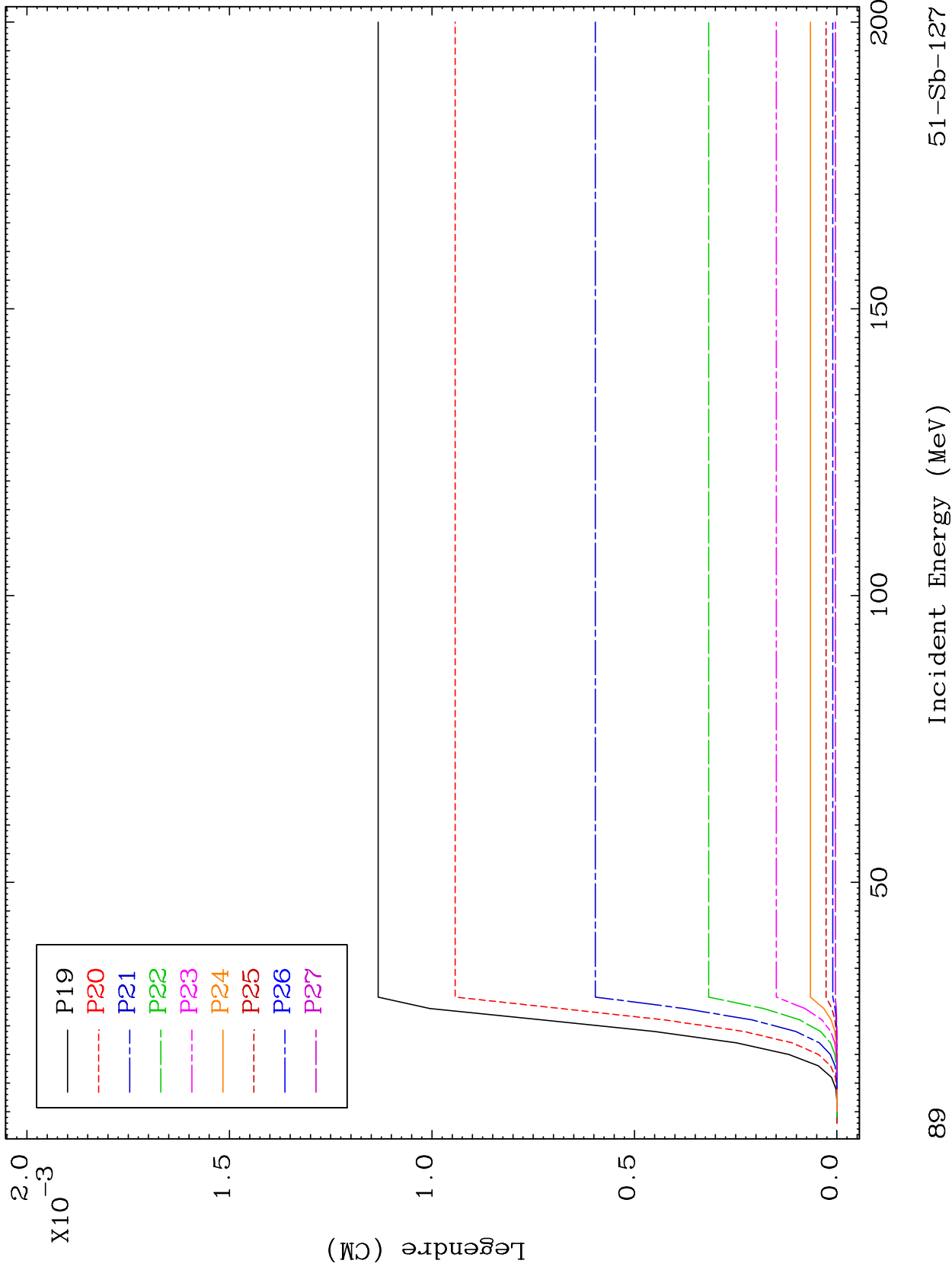


51-Sb-127

Incident Energy (MeV)

87

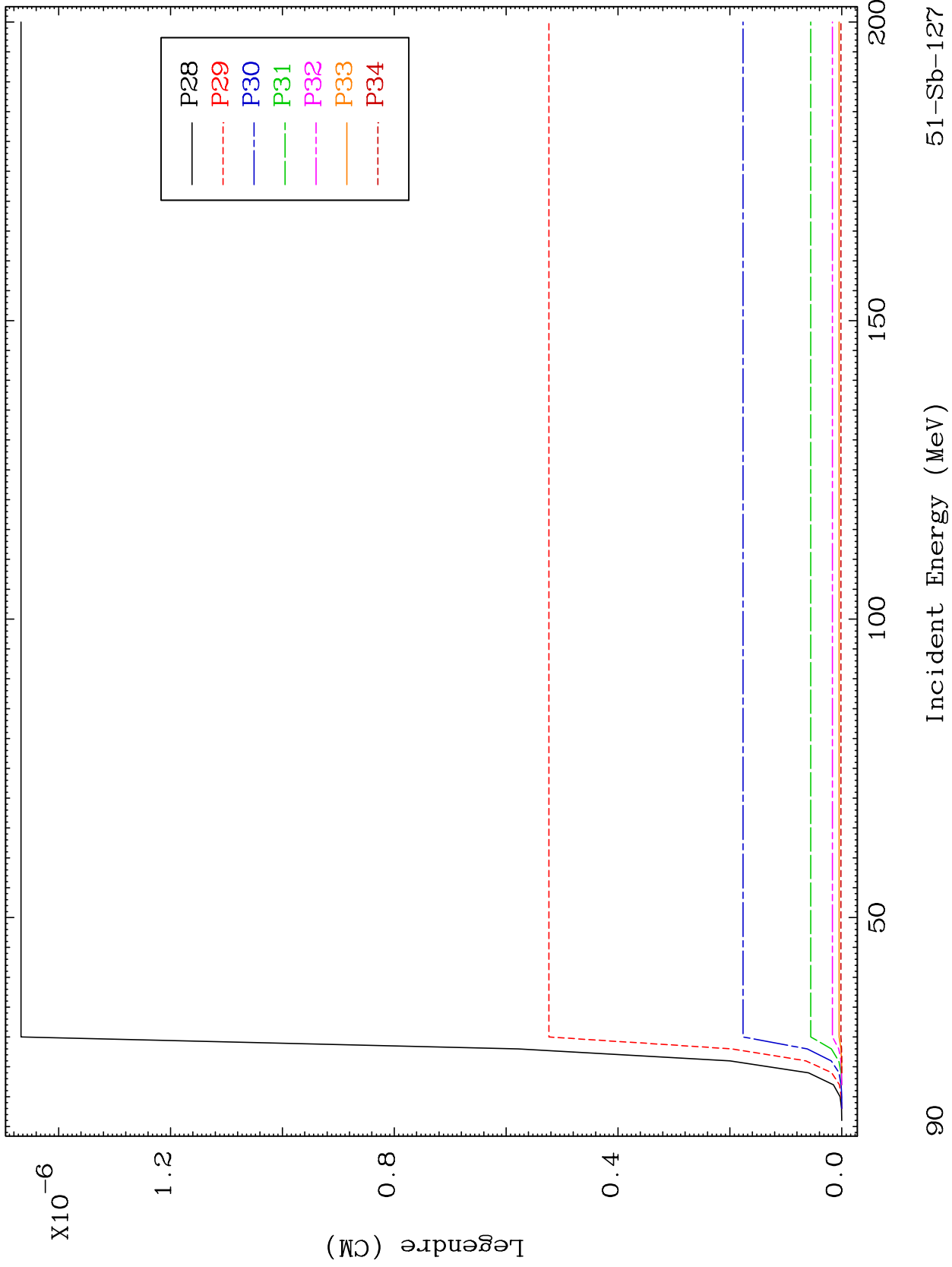




MAT 5143

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

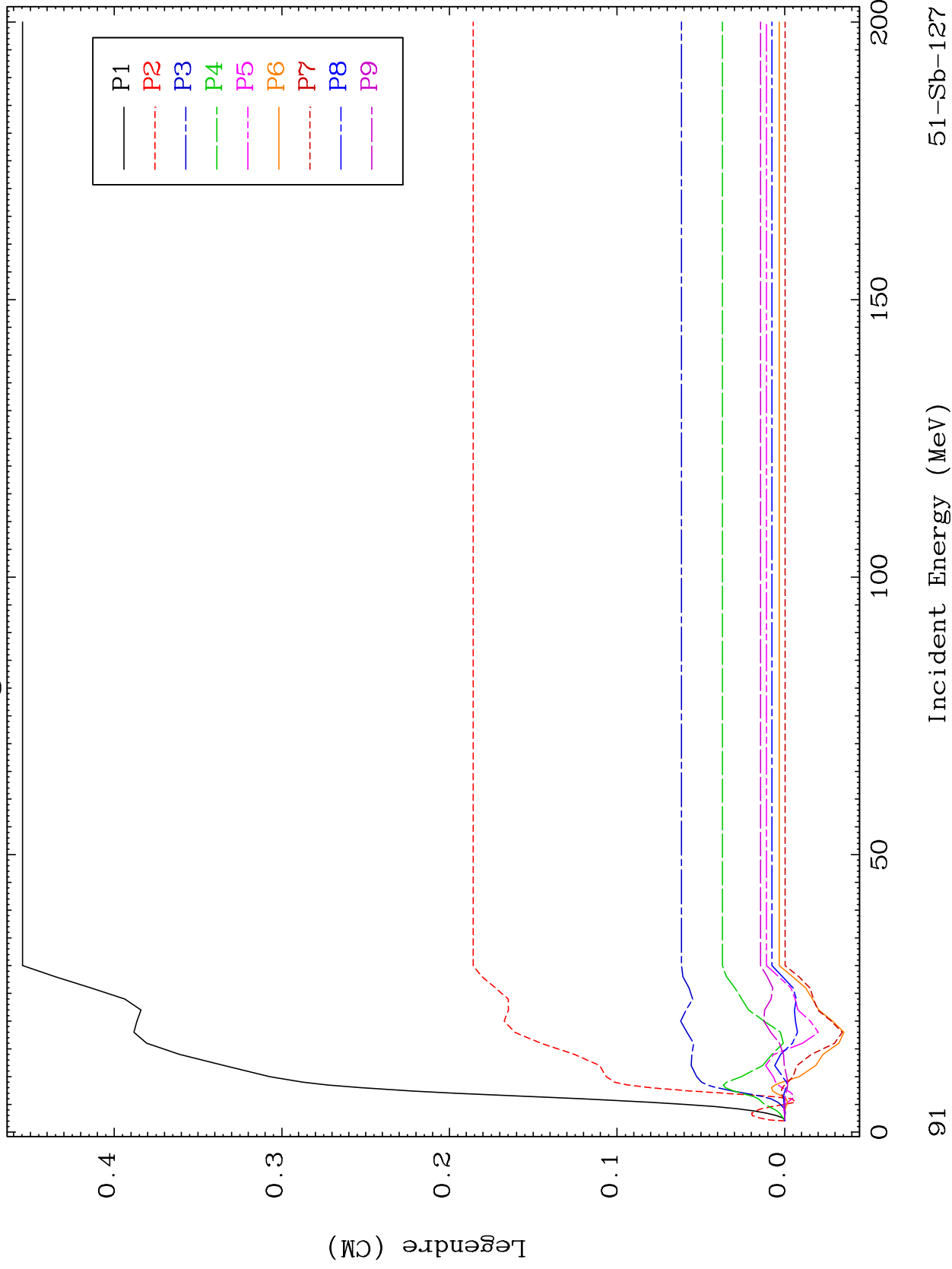
51-Sb-127



MAT 5143

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

51-Sb-127



51-Sb-127

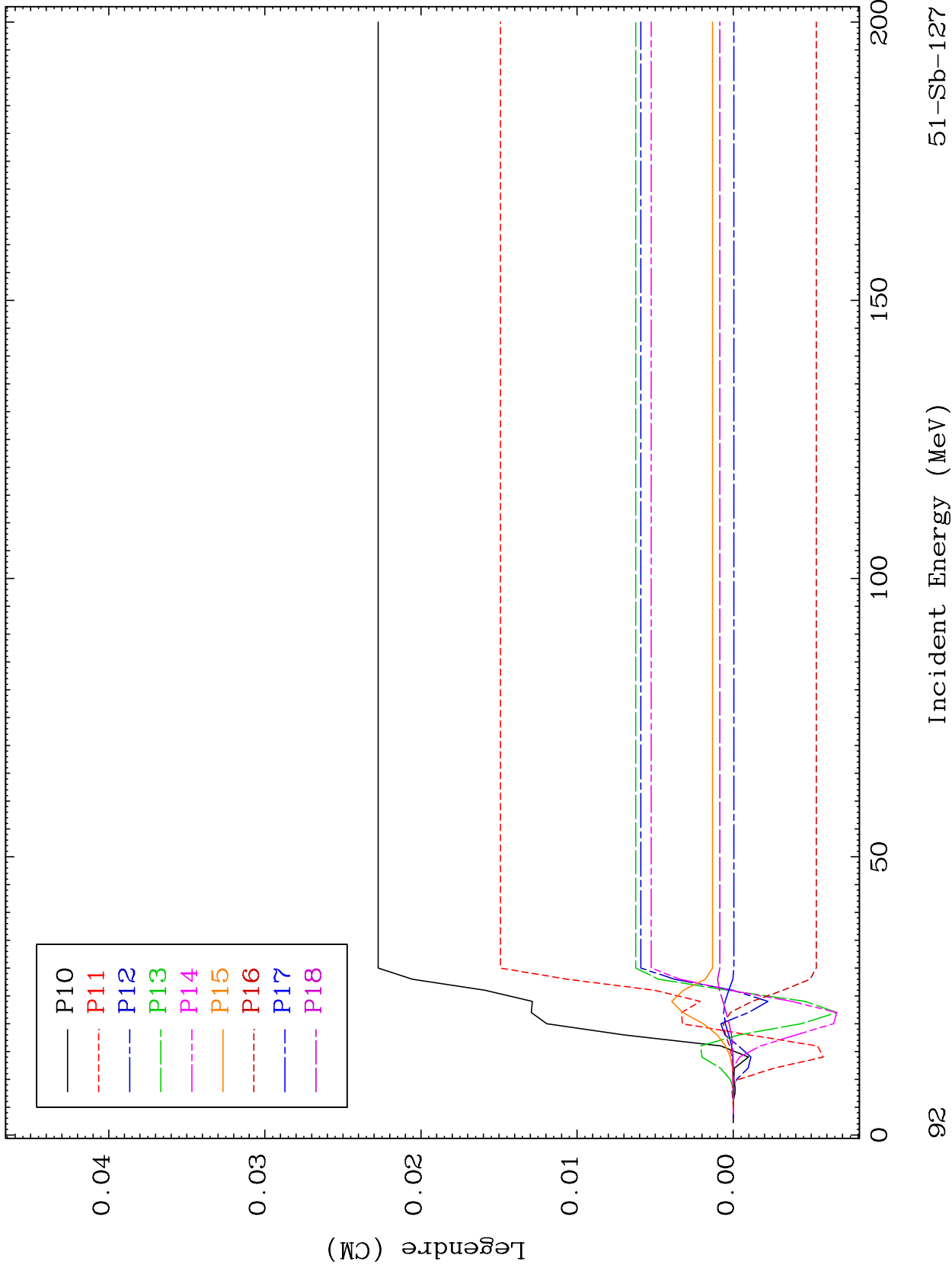
Incident Energy (MeV)

91

MAT 5143

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

51-Sb-127



51-Sb-127

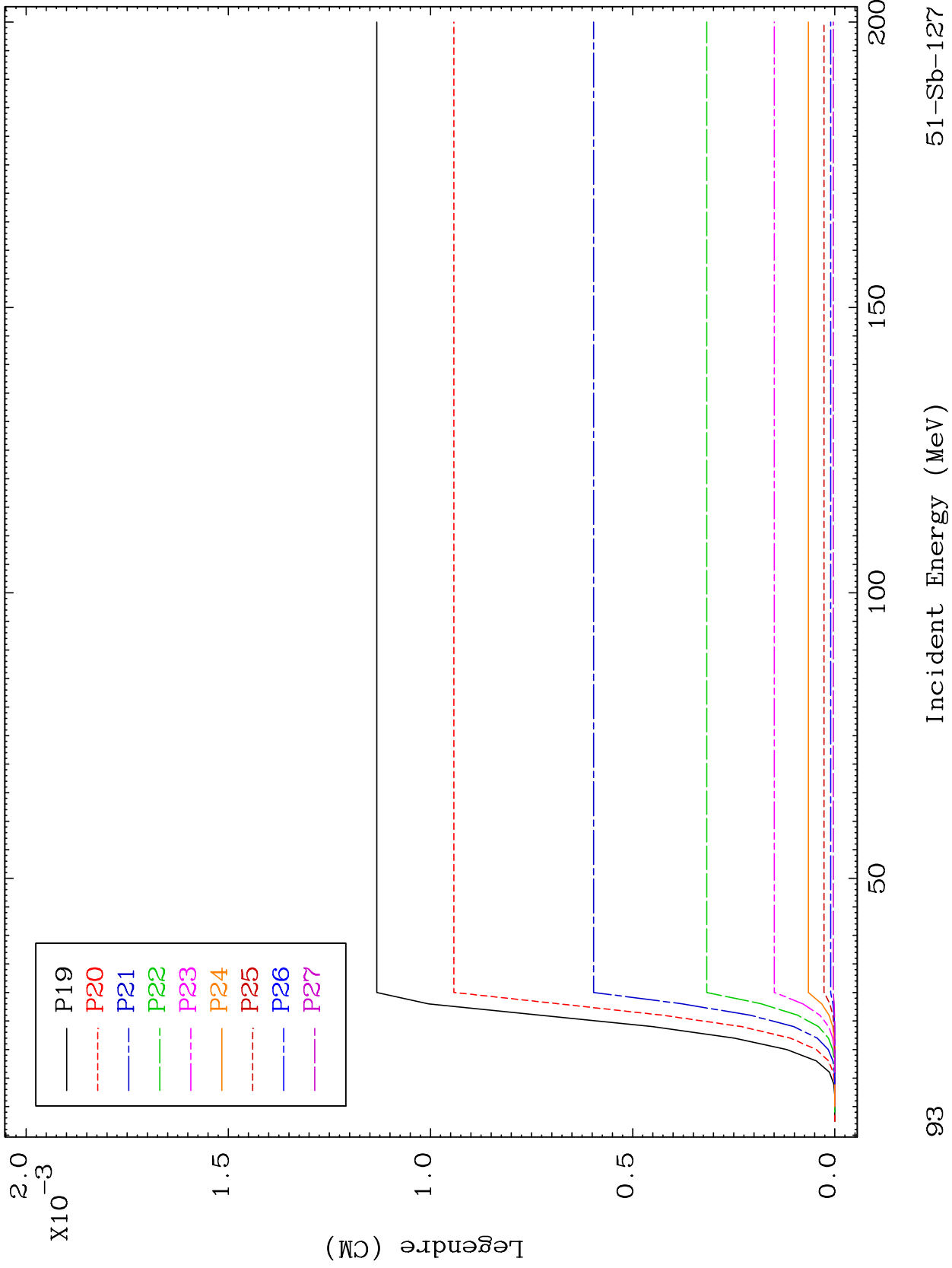
Incident Energy (MeV)

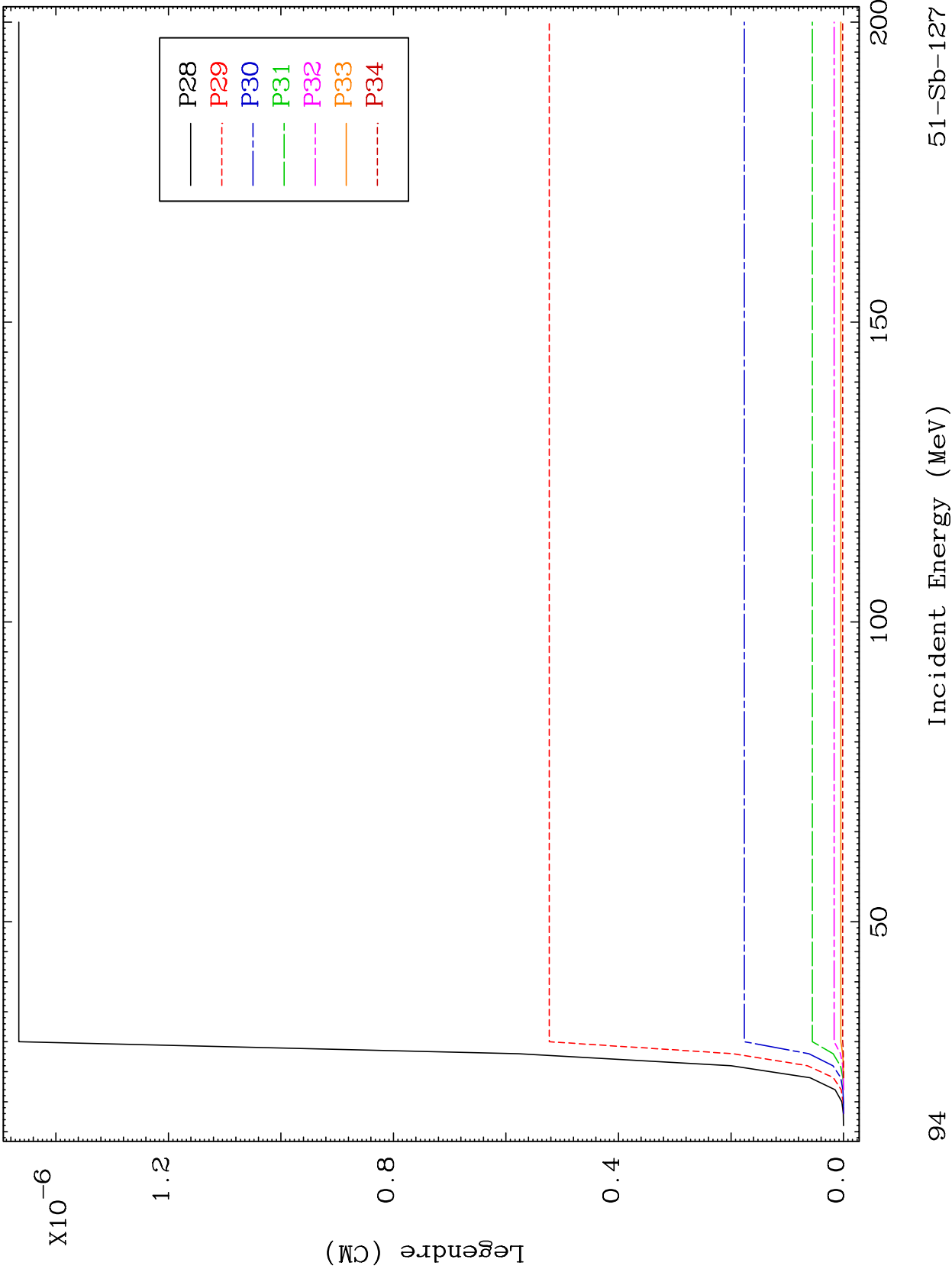
92

MAT 5143

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

51-Sb-127

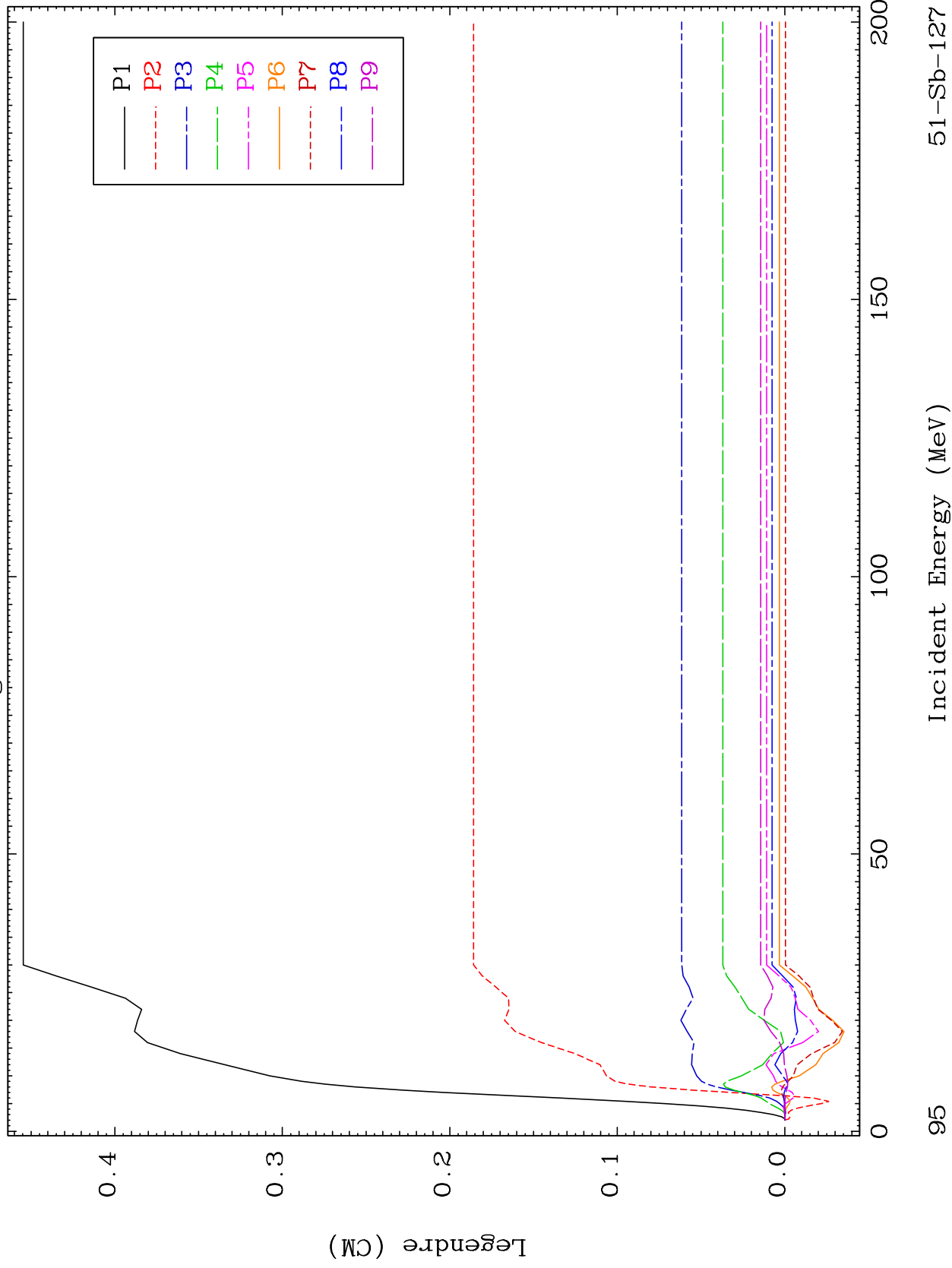




MAT 5143

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

51-Sb-127



51-Sb-127

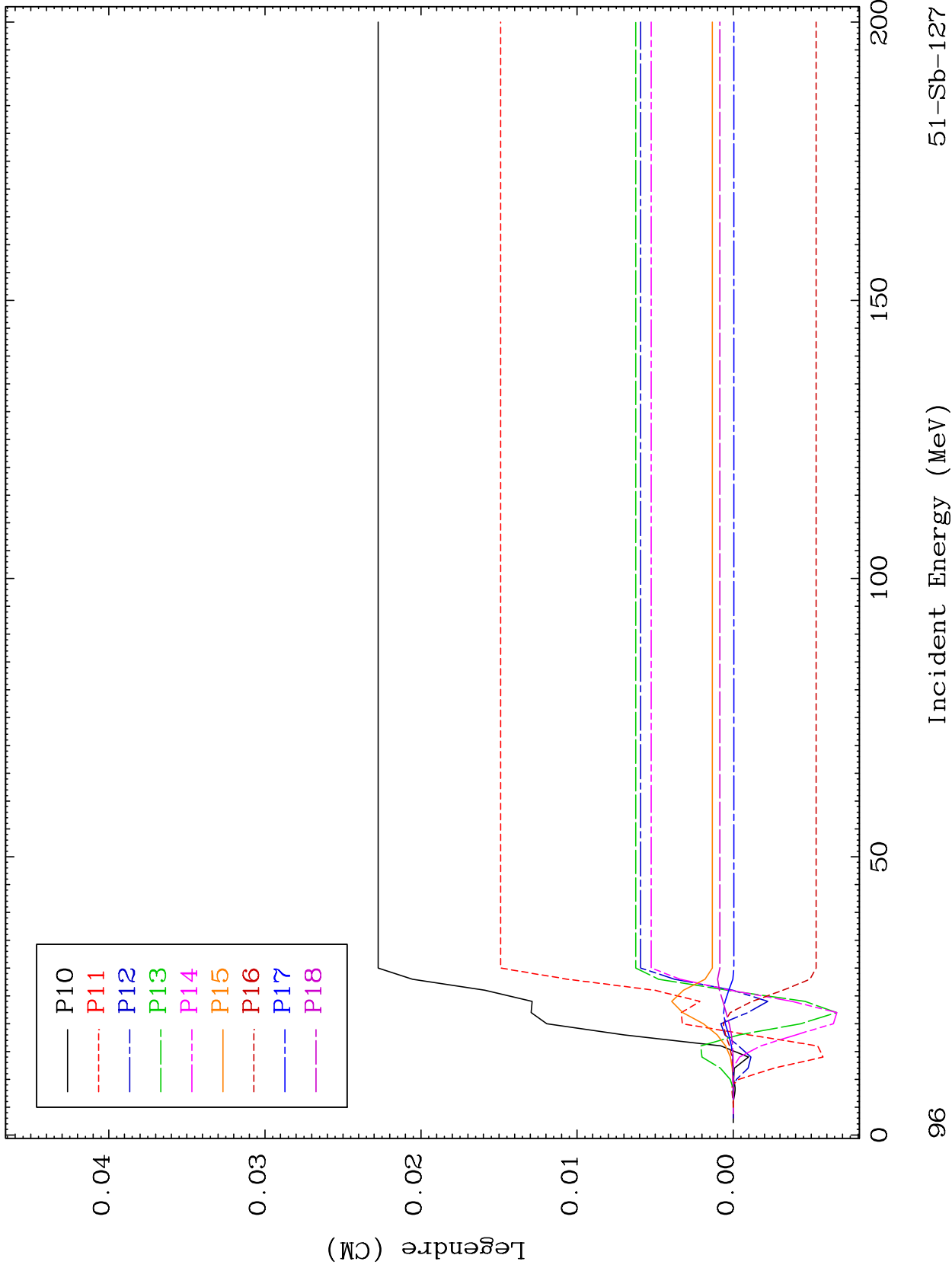
Incident Energy (MeV)

95

MAT 5143

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

51-Sb-127



96

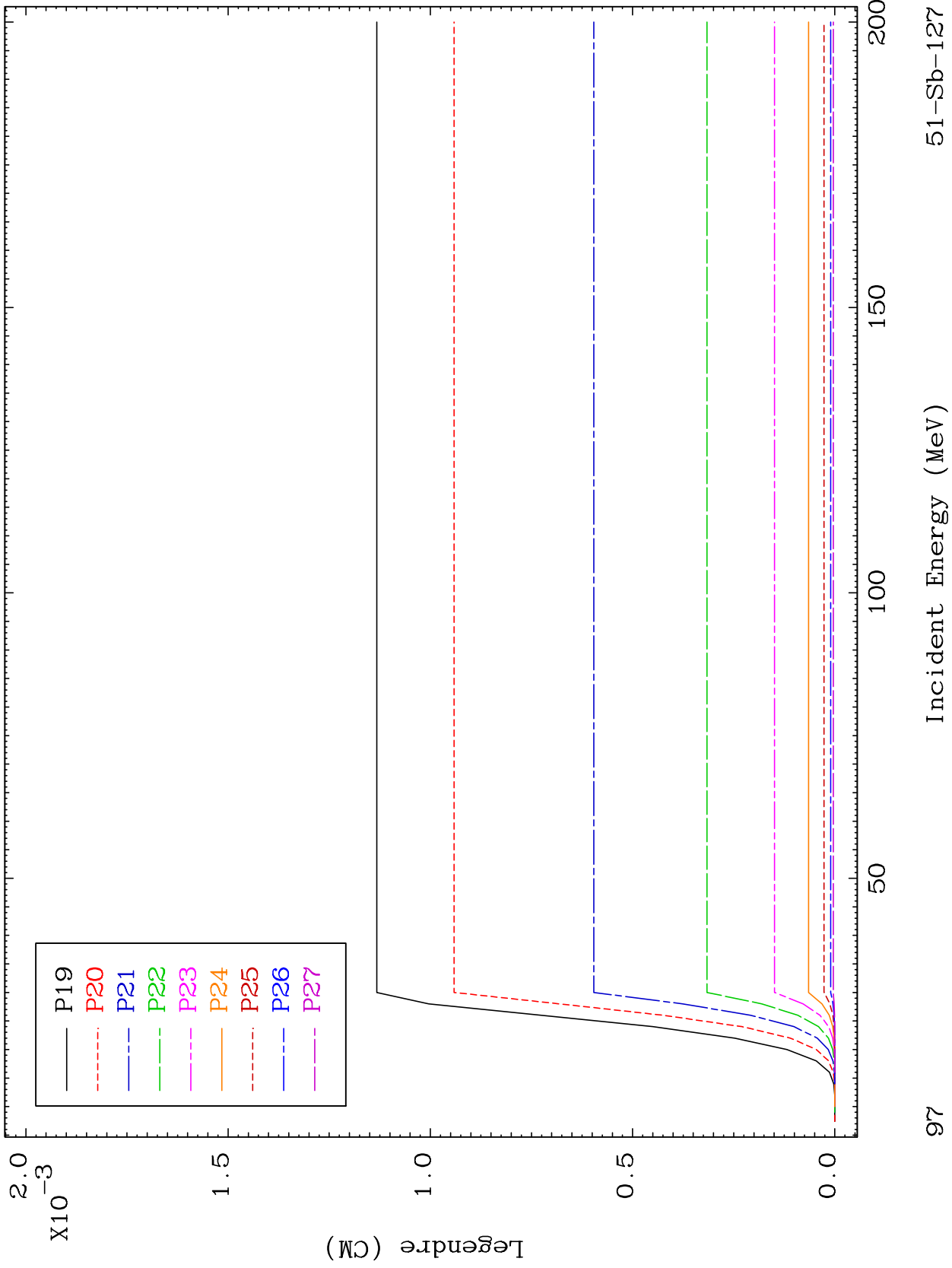
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

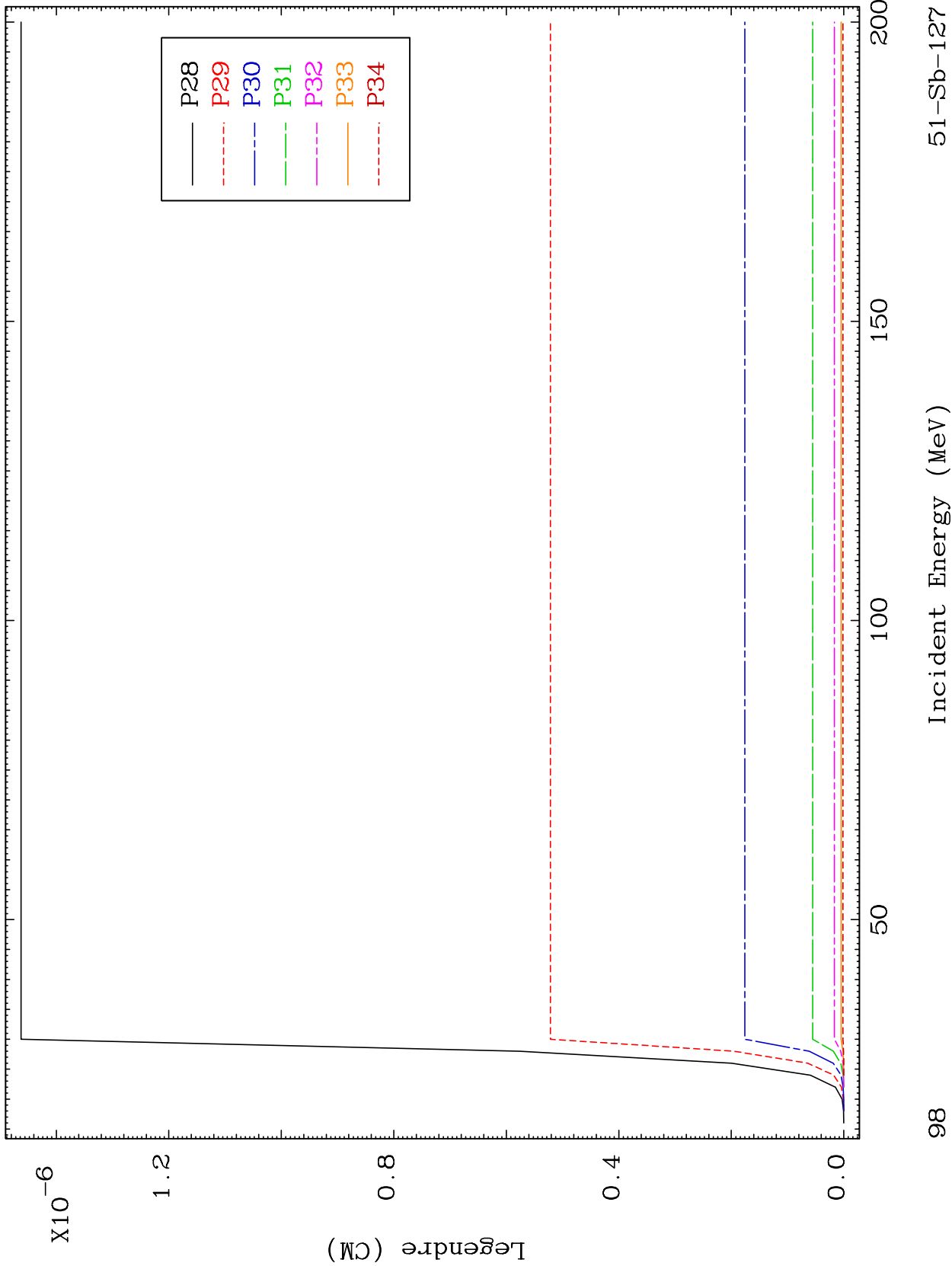
51-Sb-127



MAT 5143

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

51-Sb-127

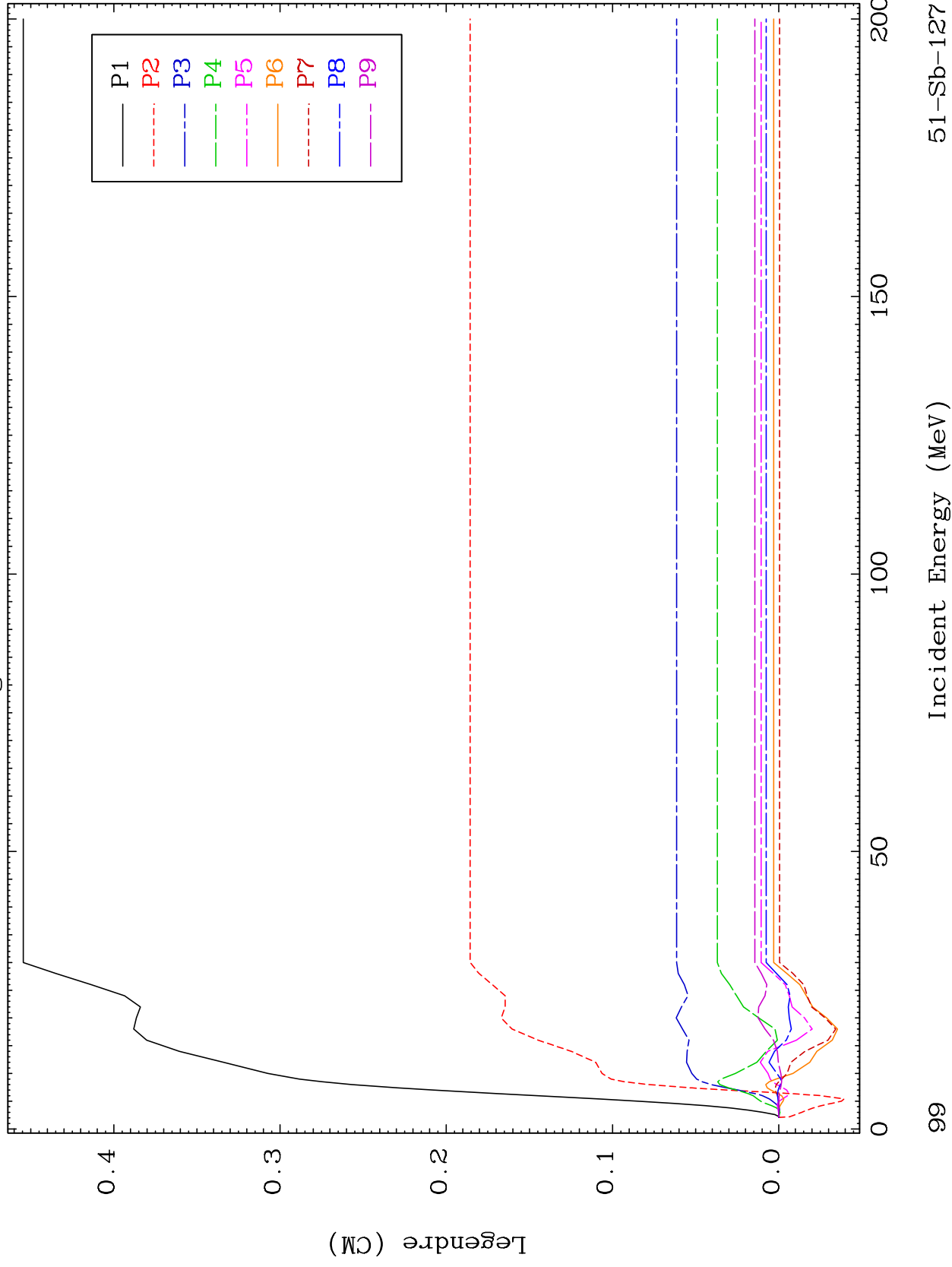


98

MAT 5143

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

51-Sb-127



51-Sb-127

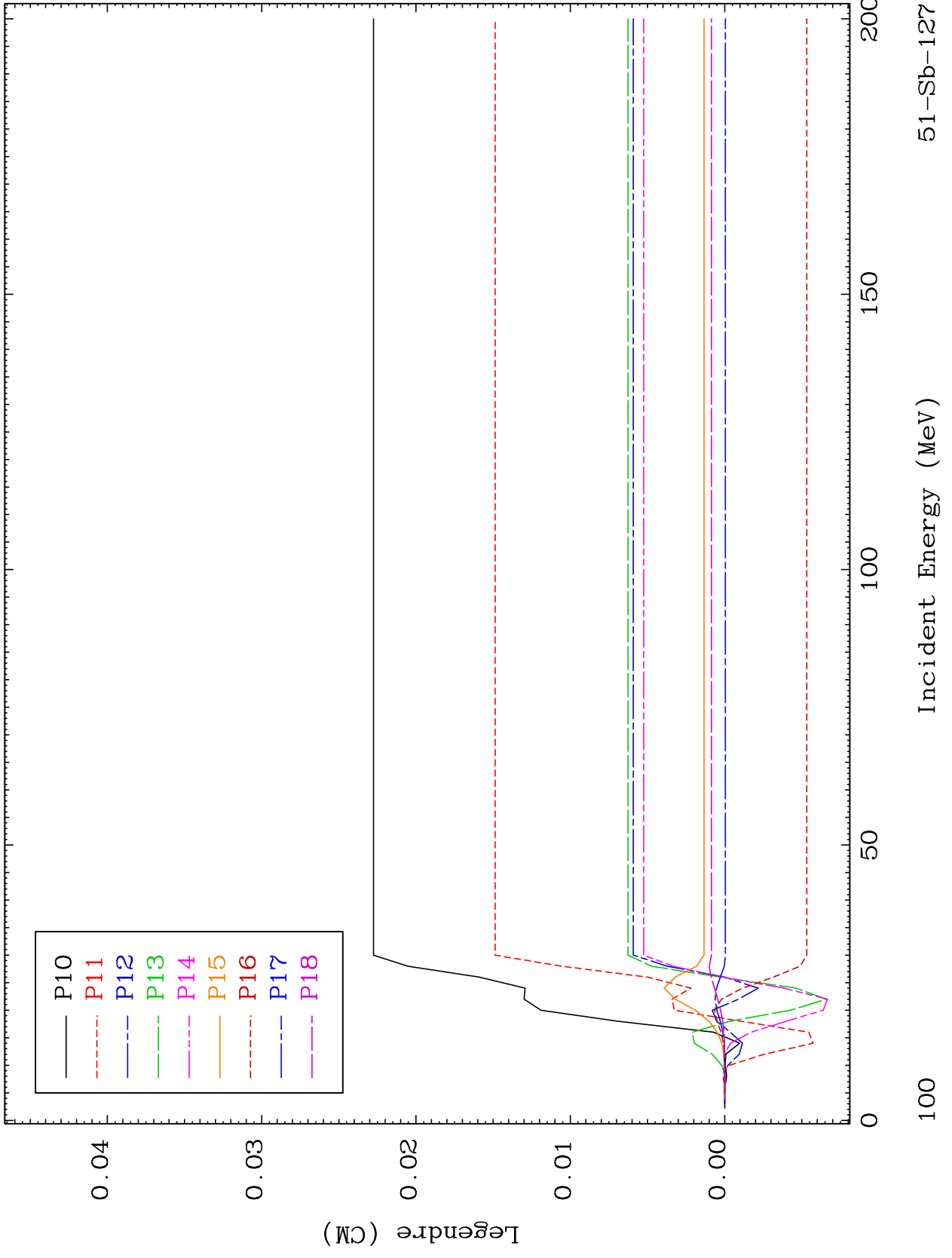
Incident Energy (MeV)

99

MAT 5143

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

51-Sb-127



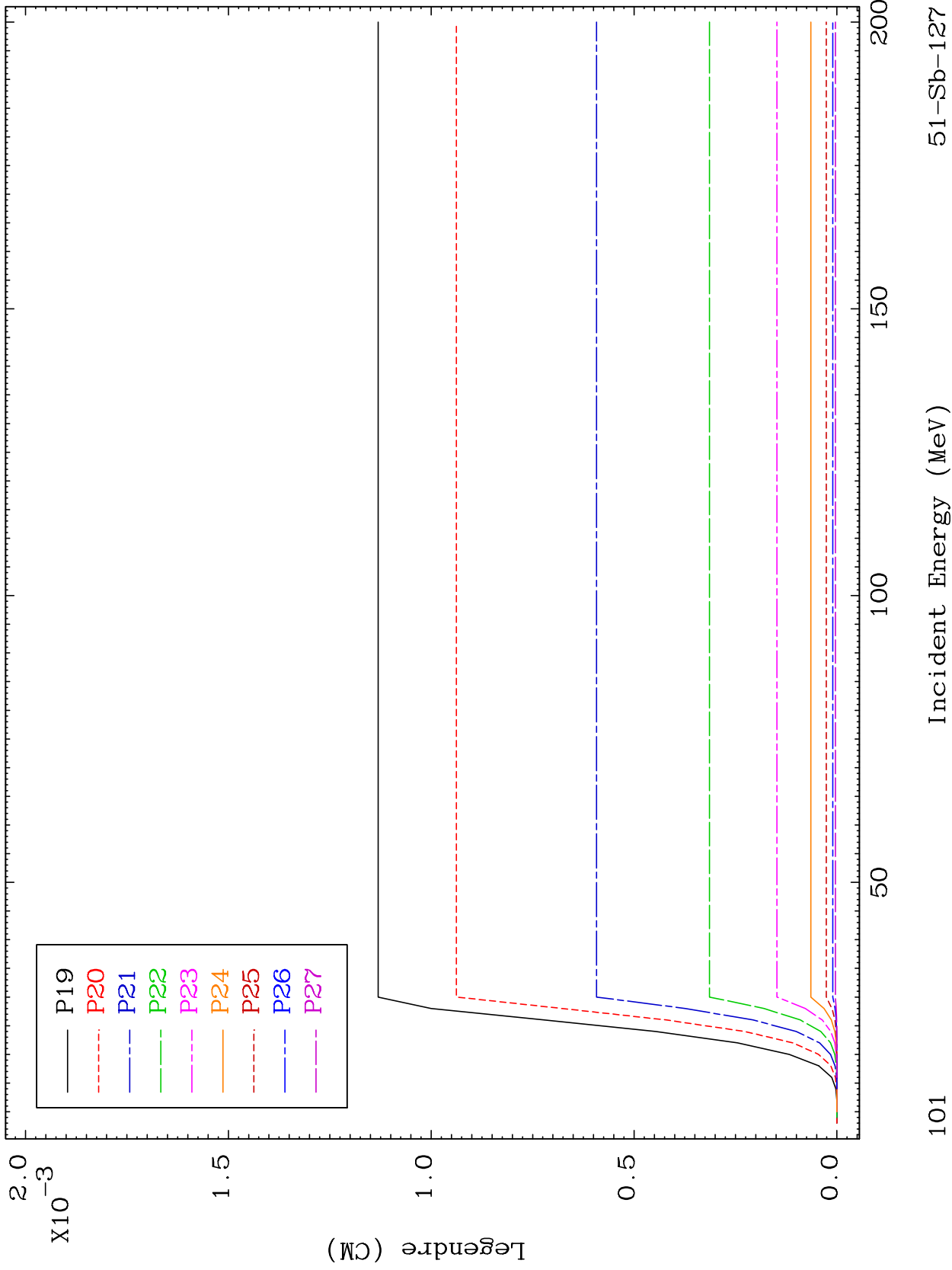
51-Sb-127

Incident Energy (MeV)

MAT 5143

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

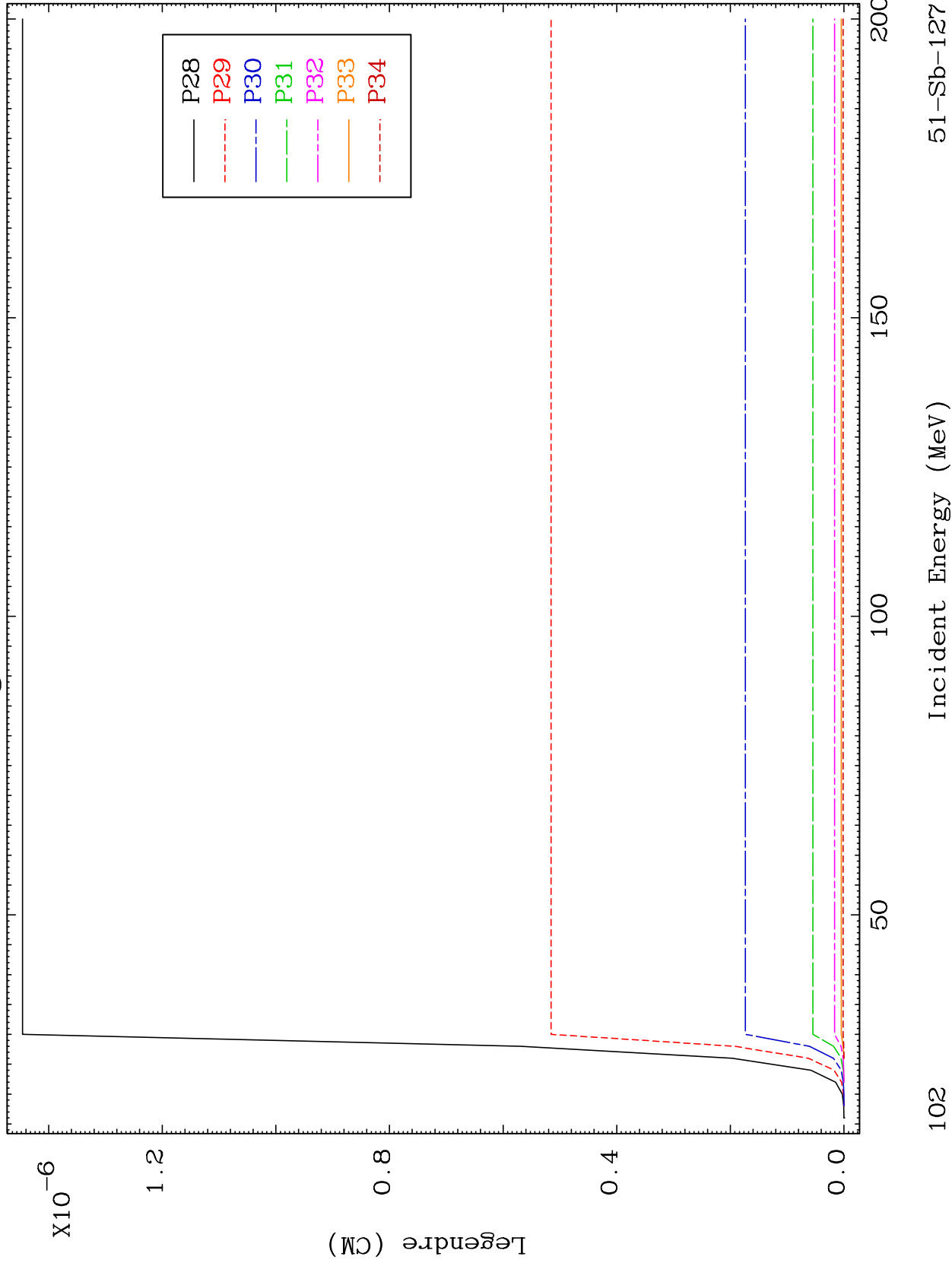
51-Sb-127



MAT 5143

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

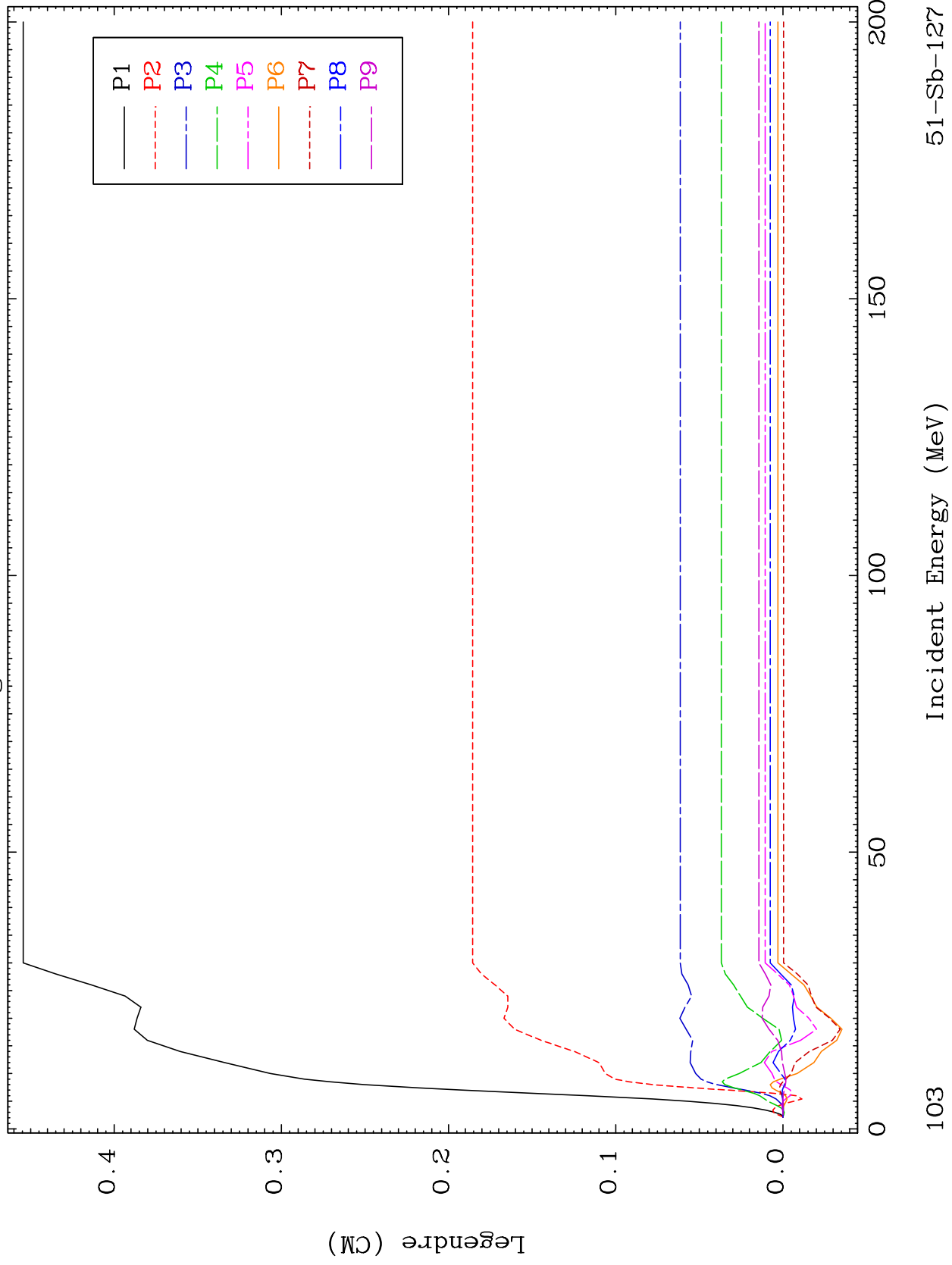
51-Sb-127



MAT 5143

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

51-Sb-127



51-Sb-127

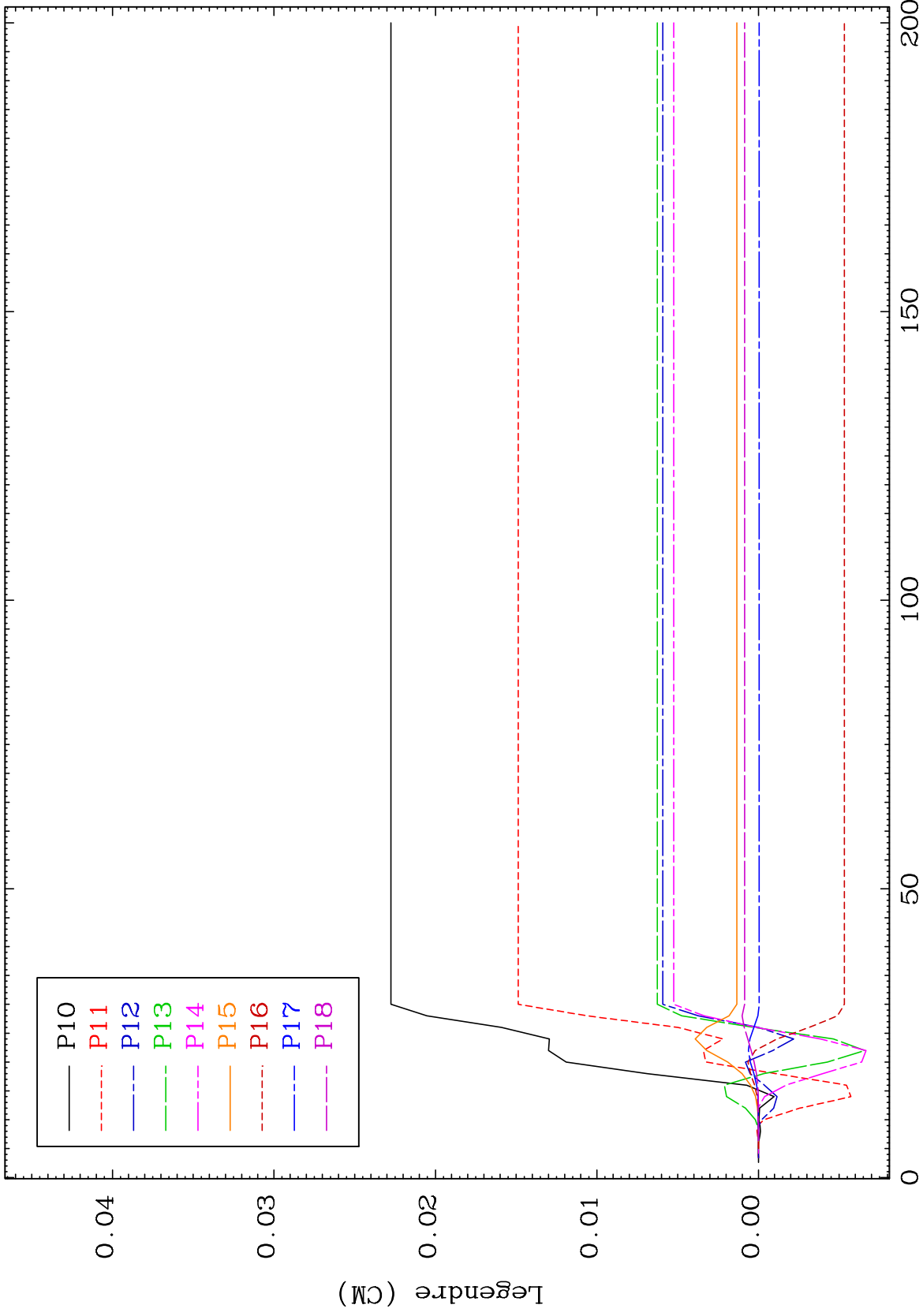
Incident Energy (MeV)

103

MAT 5143

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

51-Sb-127



104

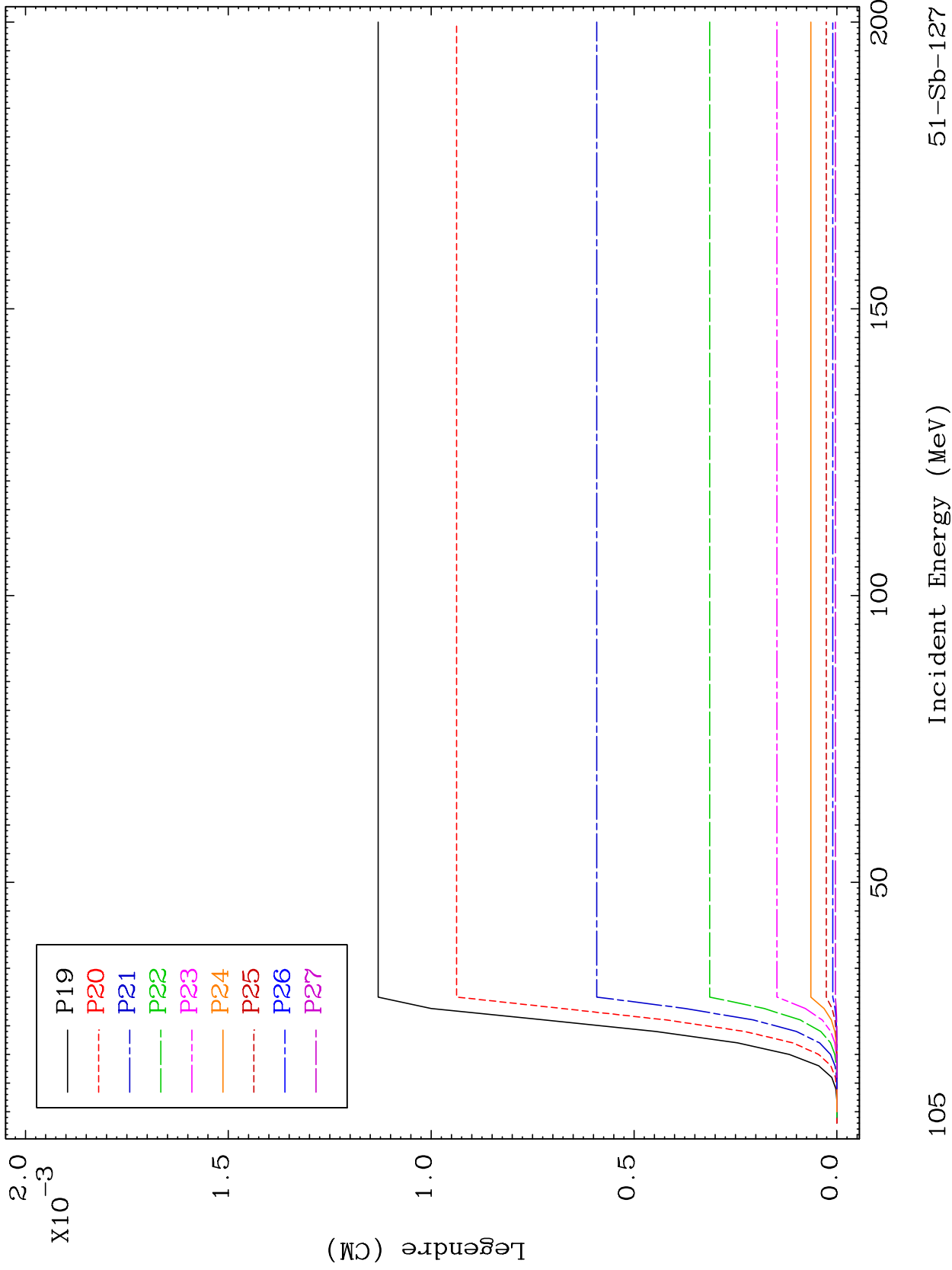
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

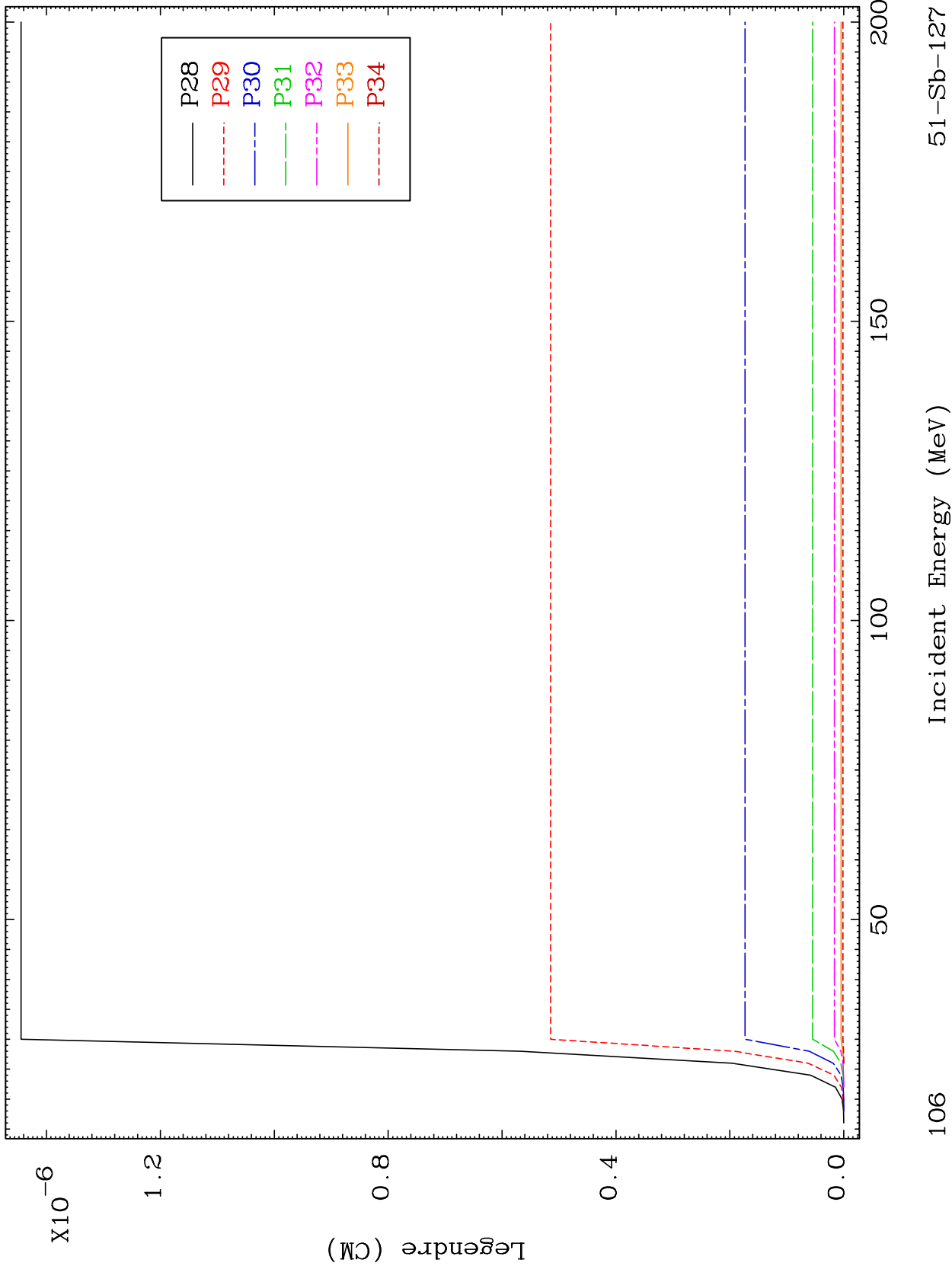
51-Sb-127



MAT 5143

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

51-Sb-127



51-Sb-127

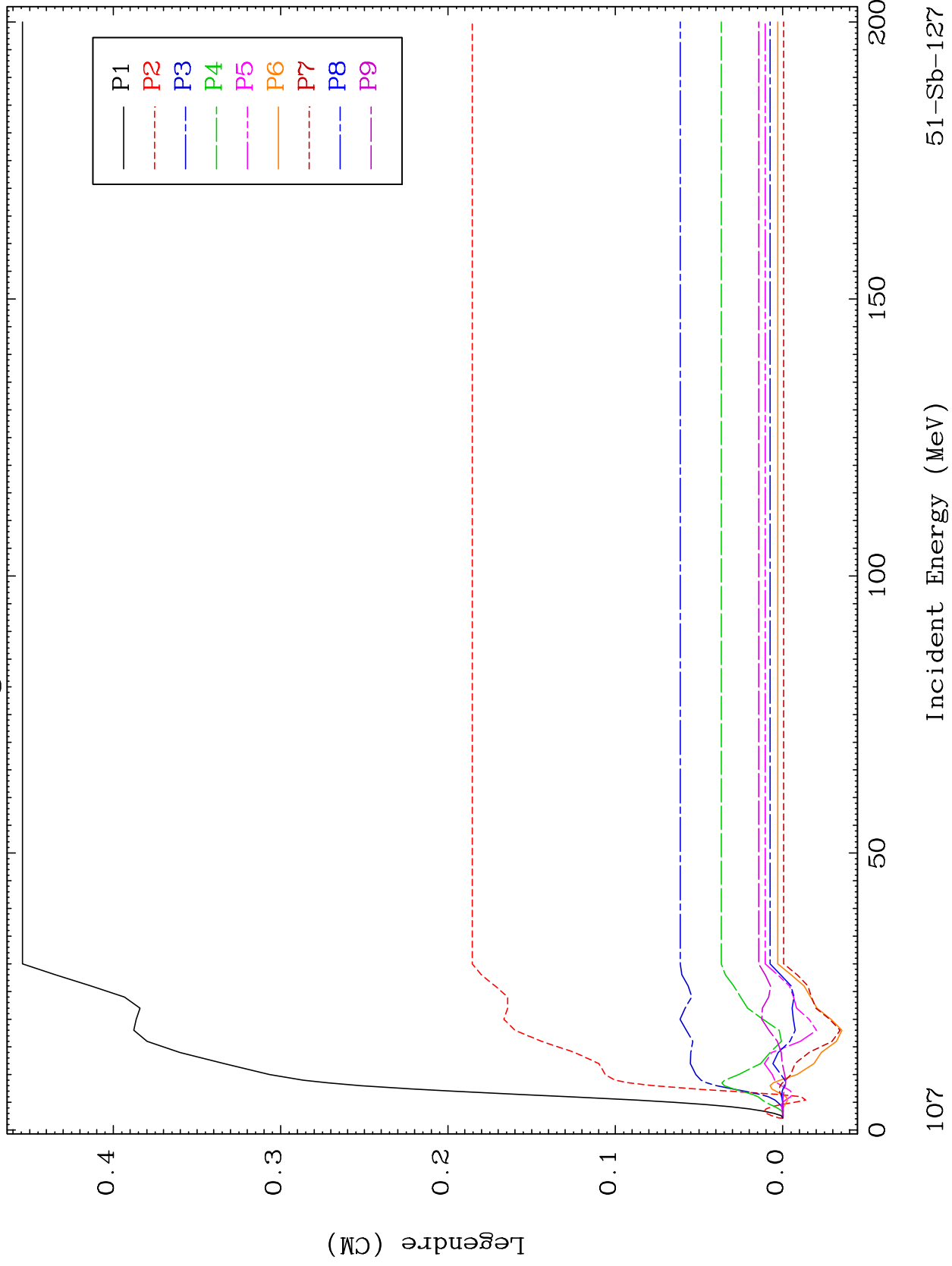
Incident Energy (MeV)

106

MAT 5143

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

51-Sb-127



51-Sb-127

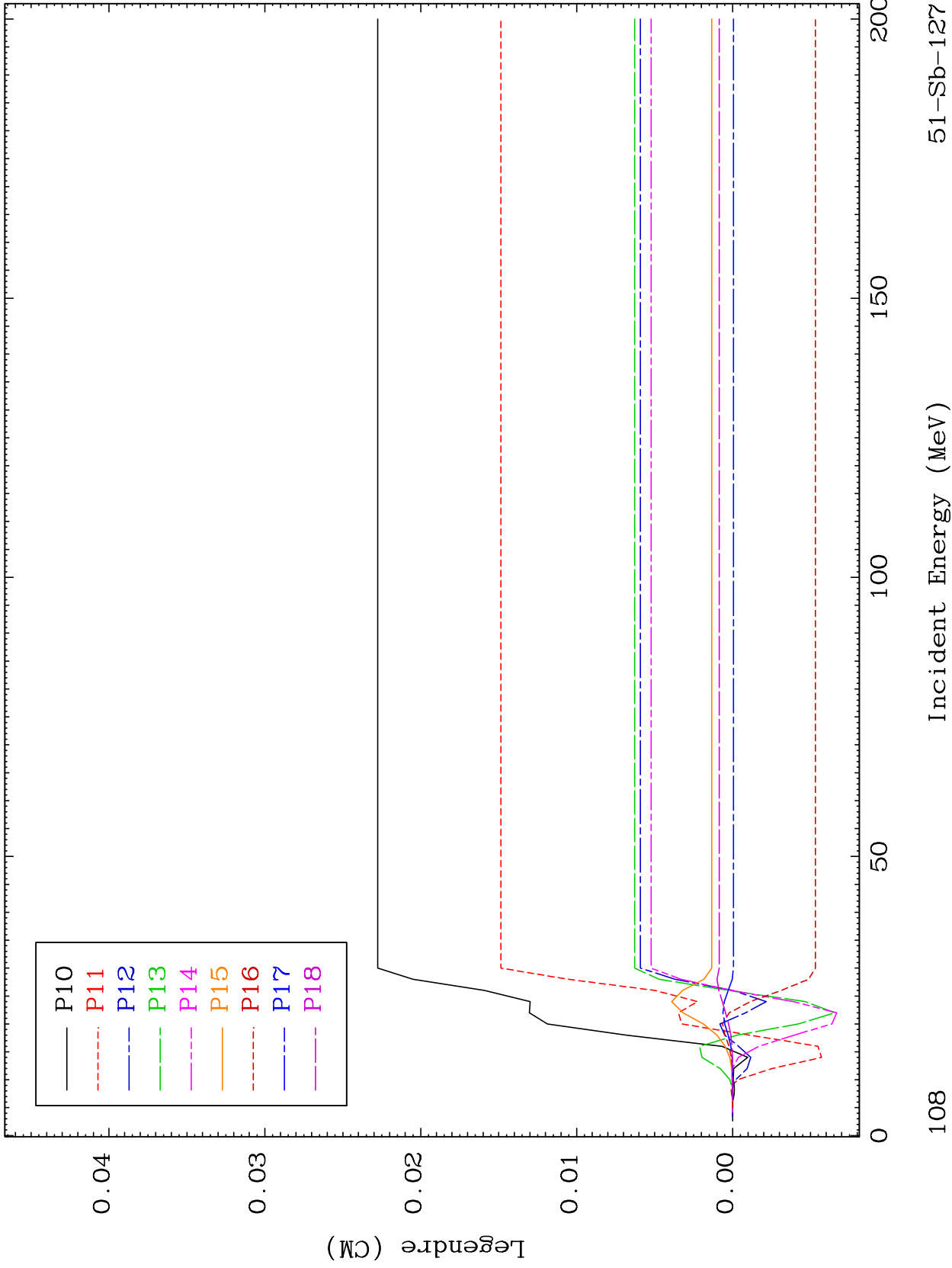
Incident Energy (MeV)

107

MAT 5143

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

51-Sb-127



51-Sb-127

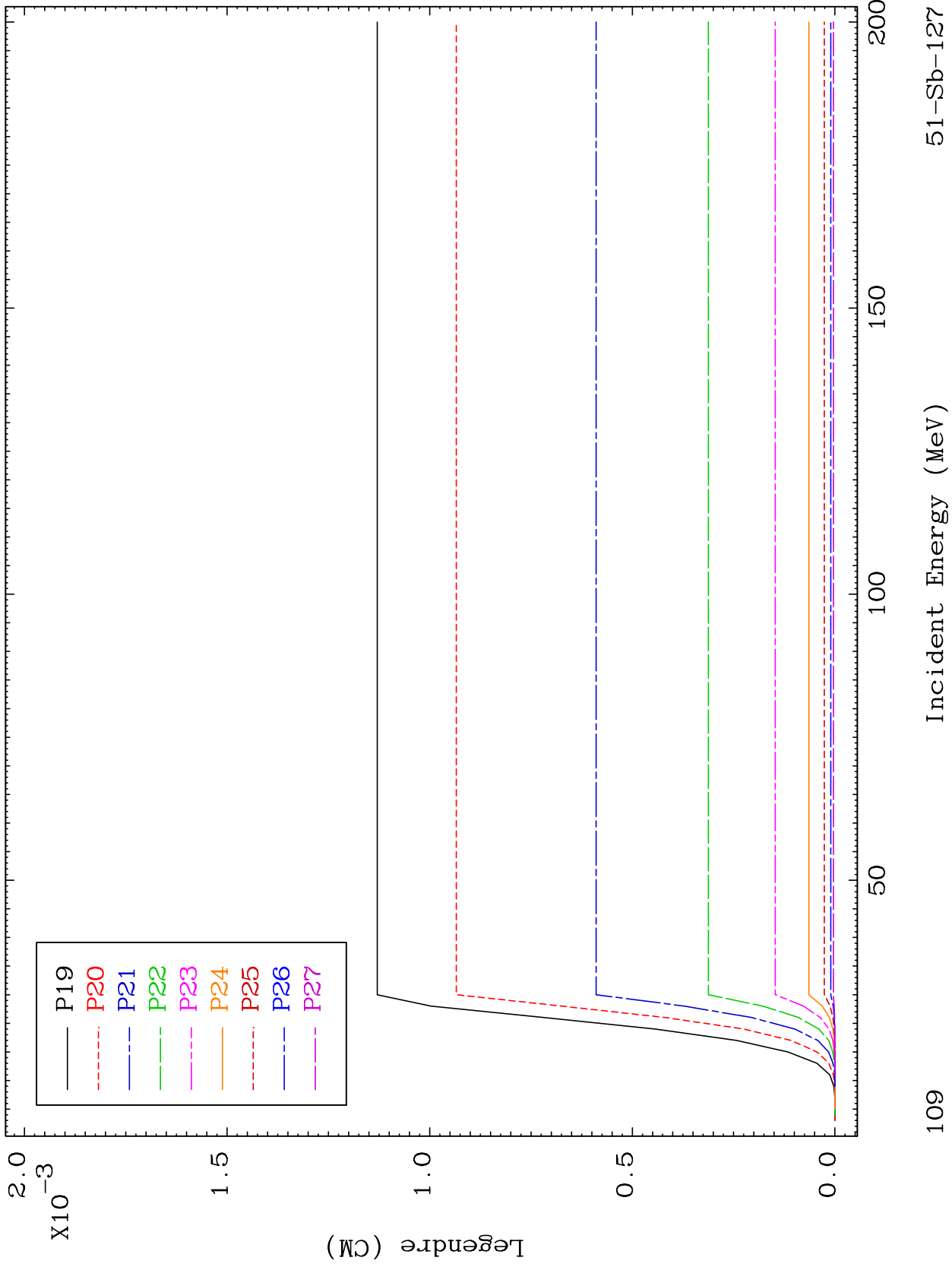
Incident Energy (MeV)

108

MAT 5143

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

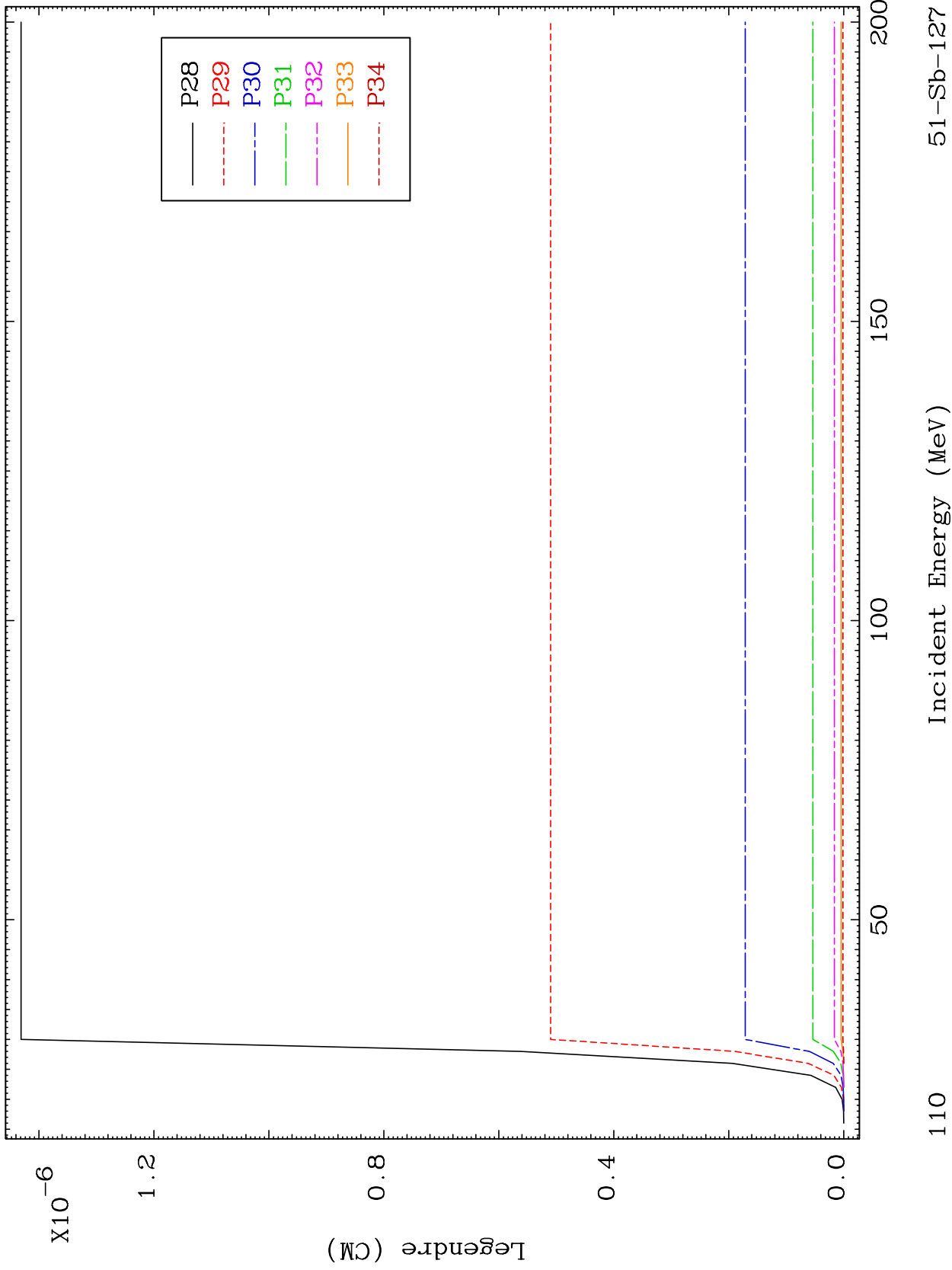
51-Sb-127



MAT 5143

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

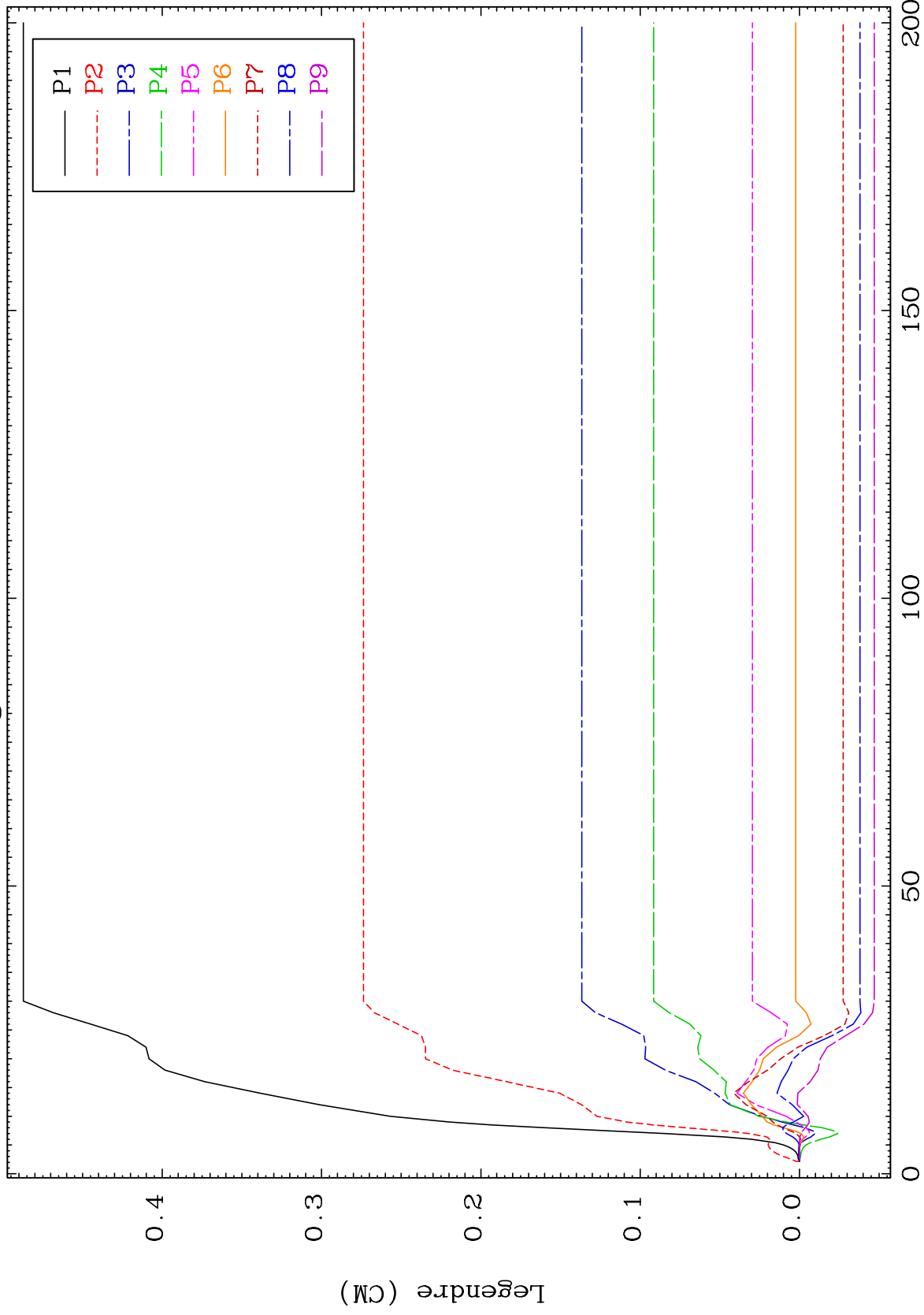
51-Sb-127



MAT 5143

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

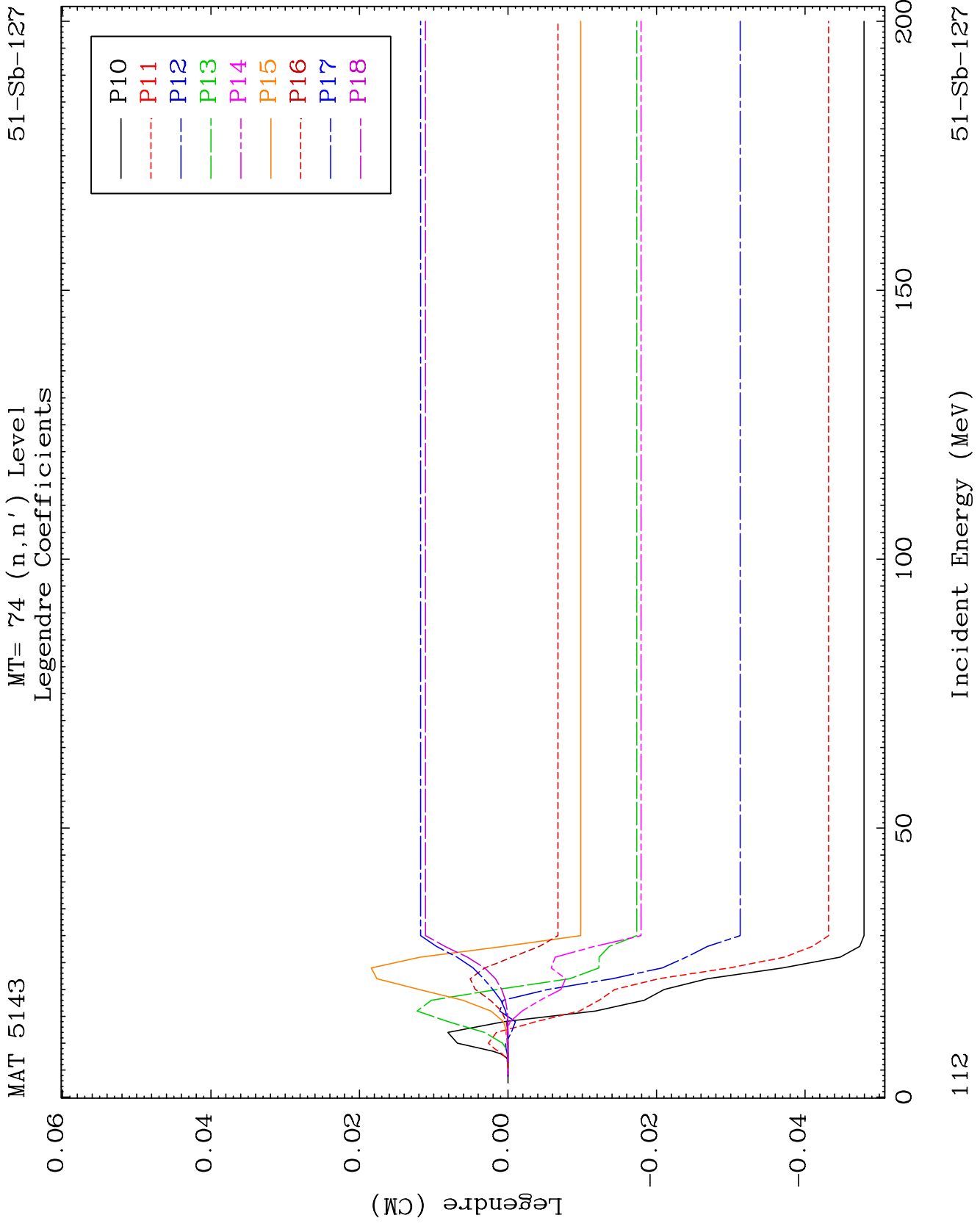
51-Sb-127



111

Incident Energy (MeV)

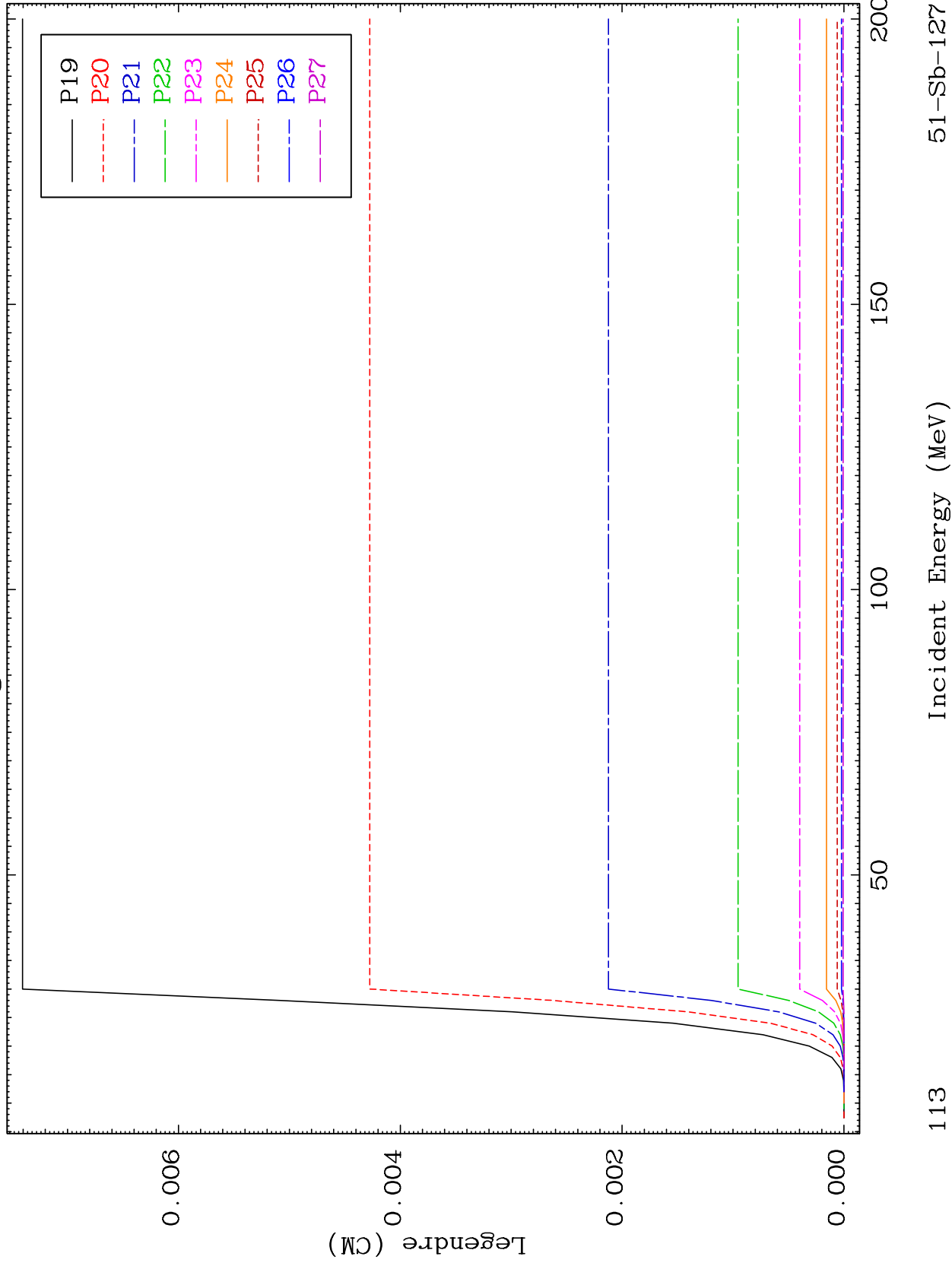
51-Sb-127



MAT 5143

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

51-Sb-127



113

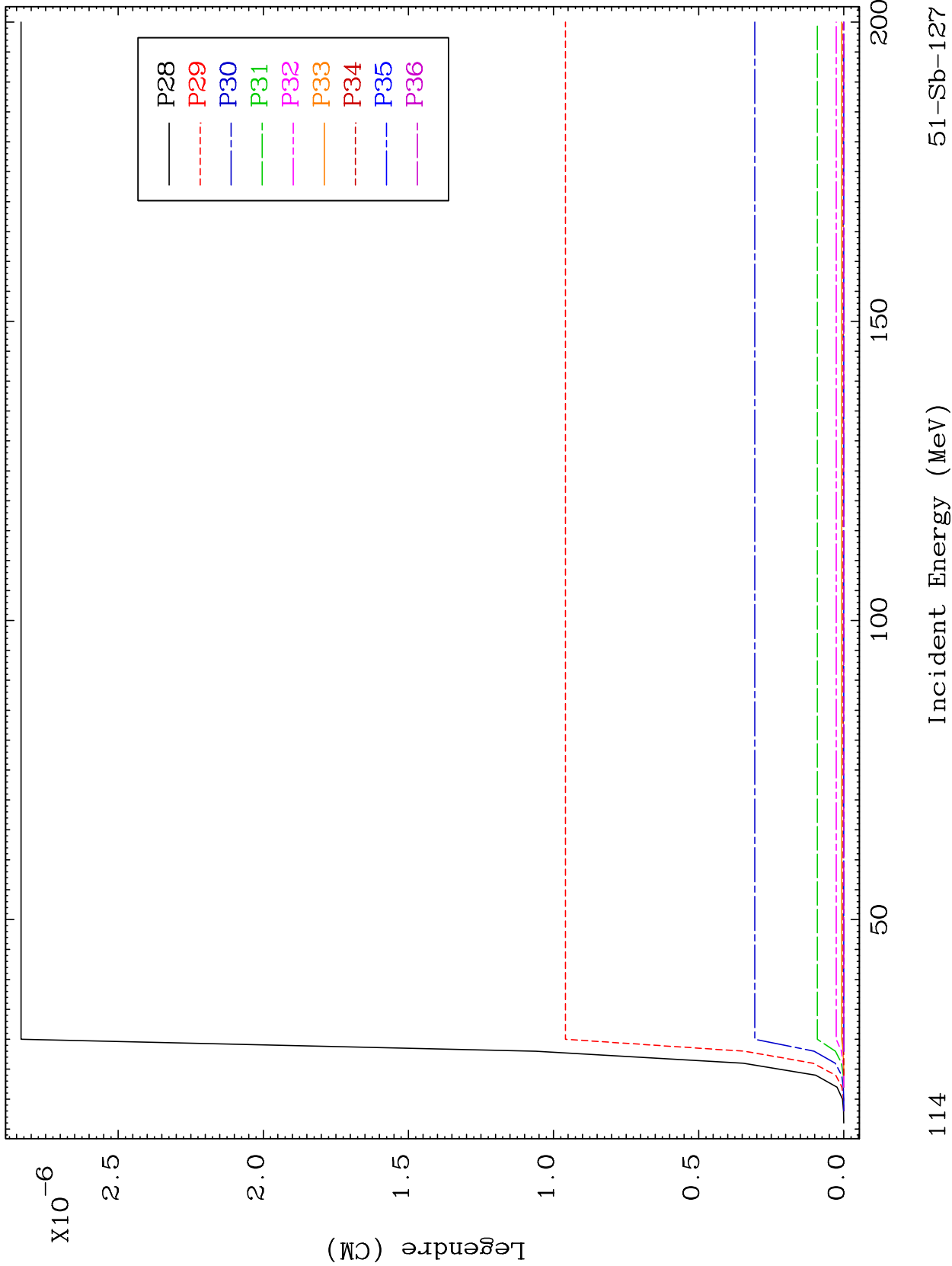
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



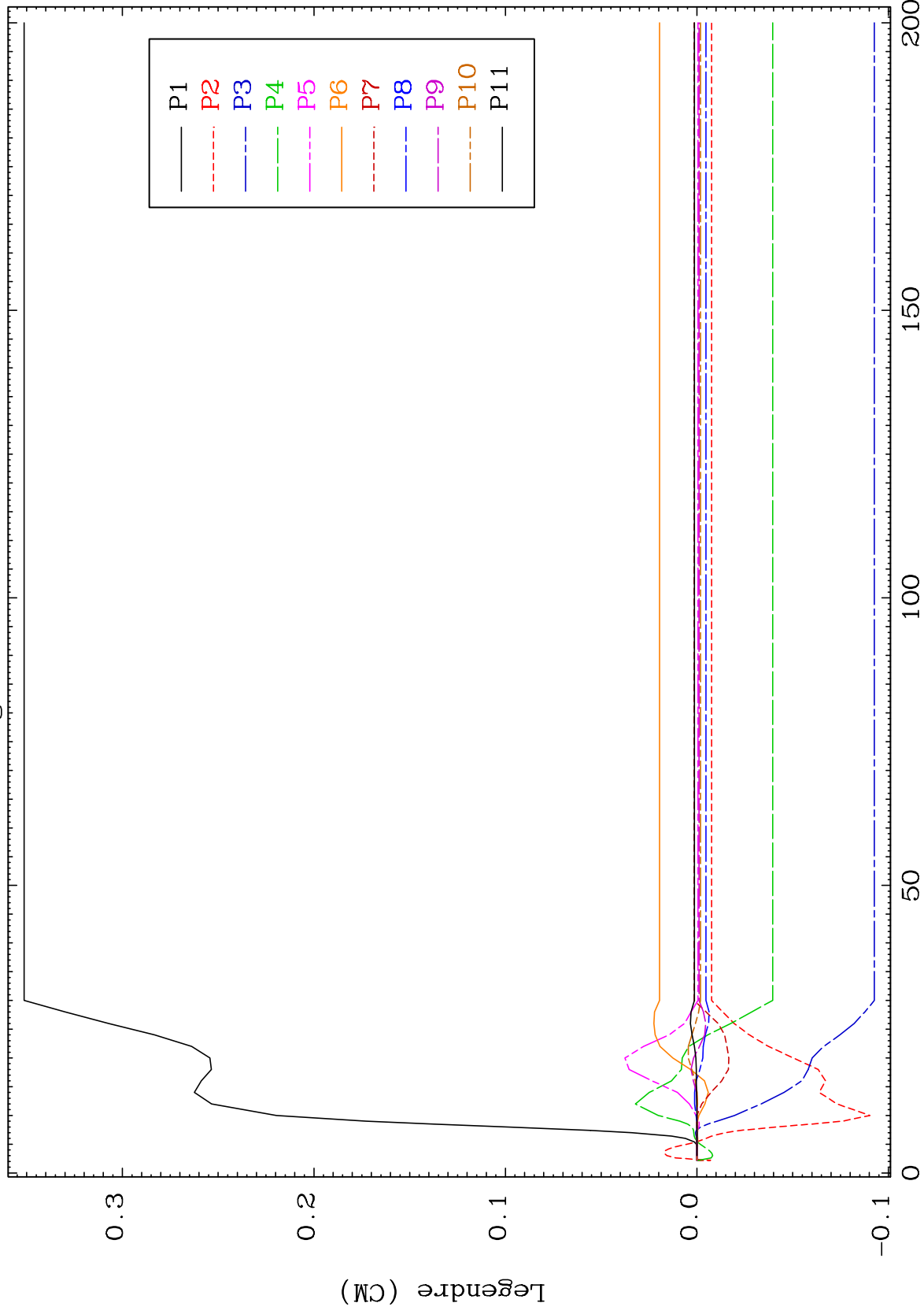
114

51-Sb-127

MAT 5143

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

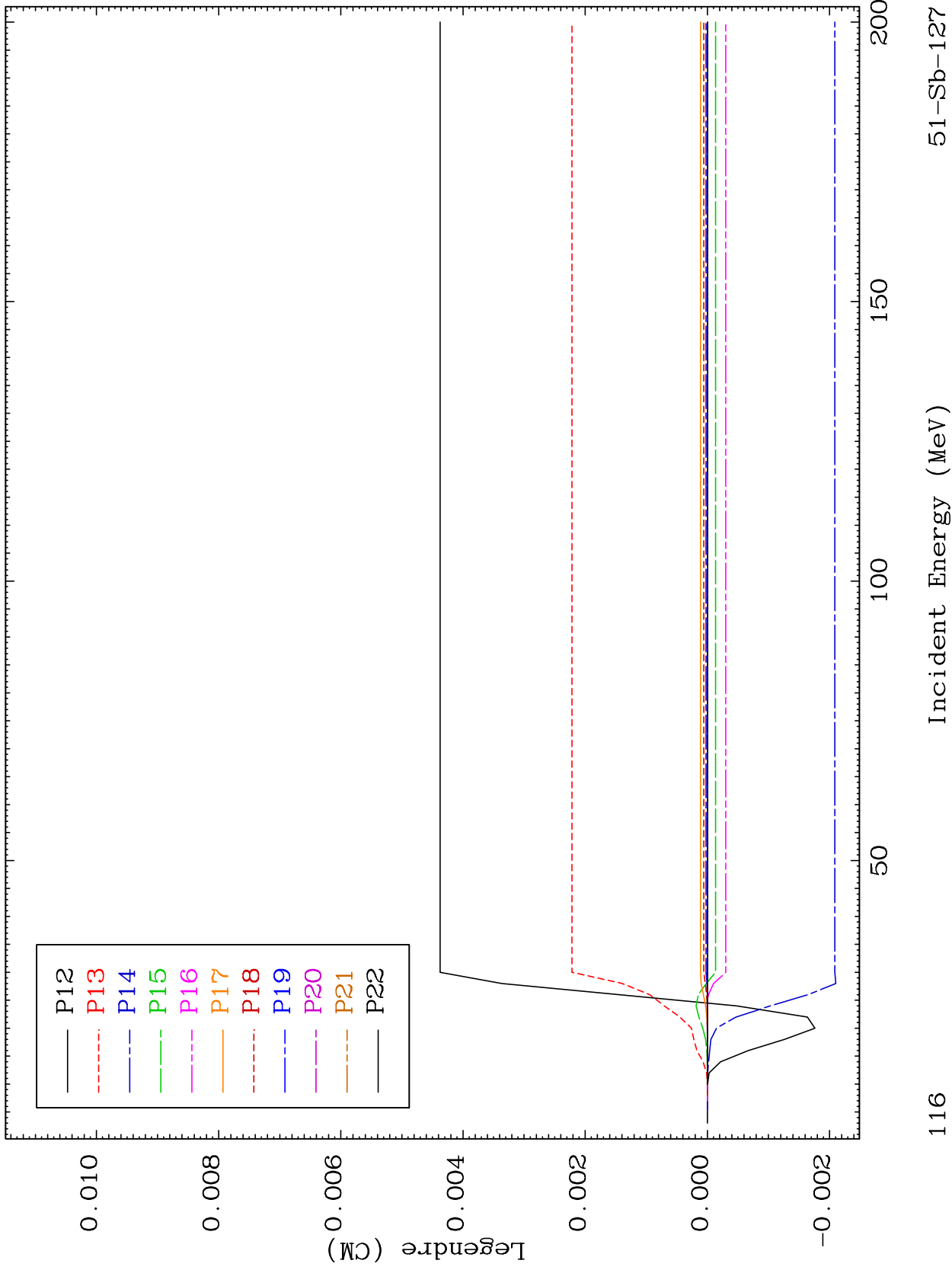
51-Sb-127



51-Sb-127

Incident Energy (MeV)

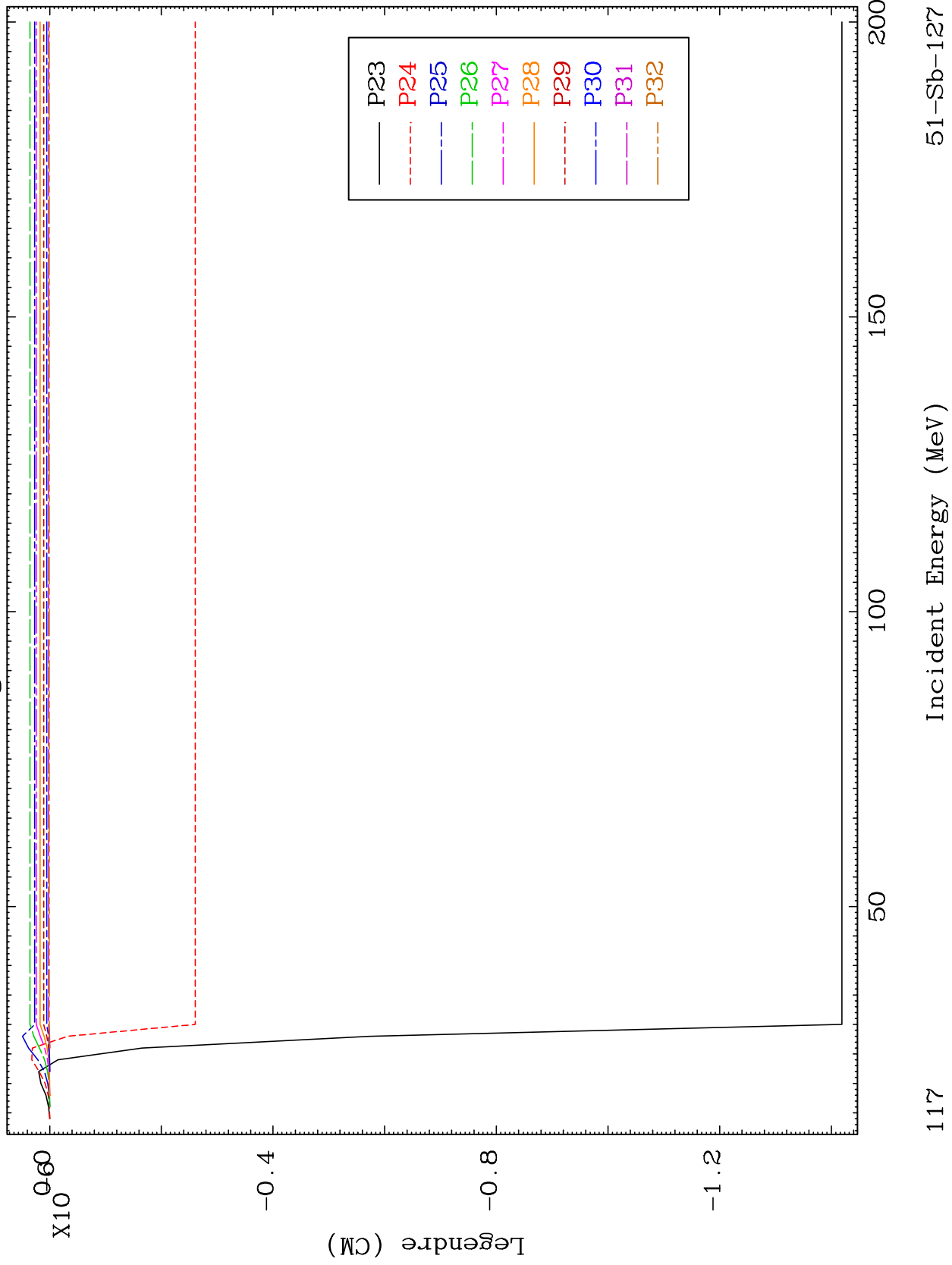
115



MAT 5143

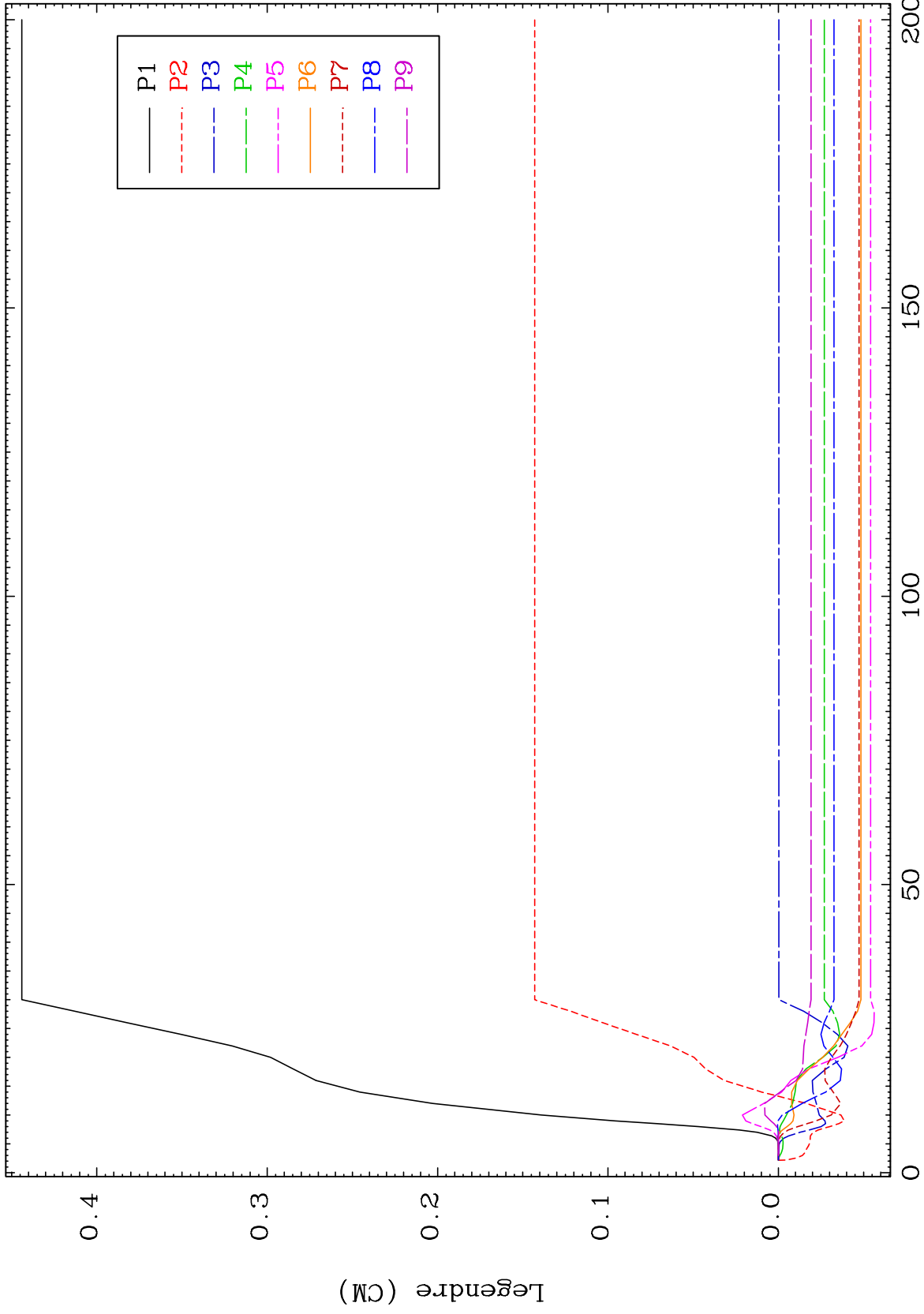
MT= 75 (n,n') Level  
Legendre Coefficients

51-Sb-127



117

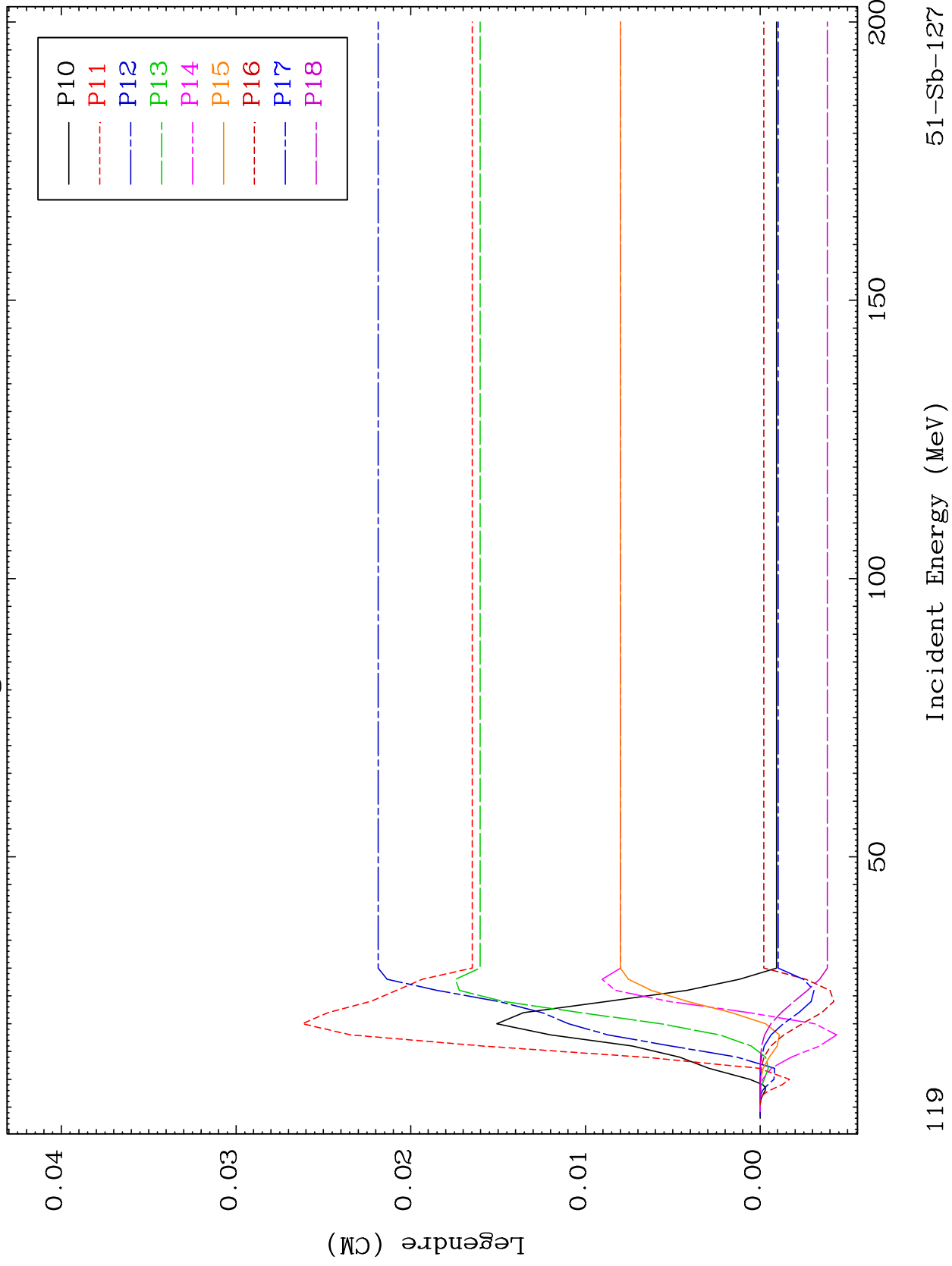
51-Sb-127



MAT 5143

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

51-Sb-127



119

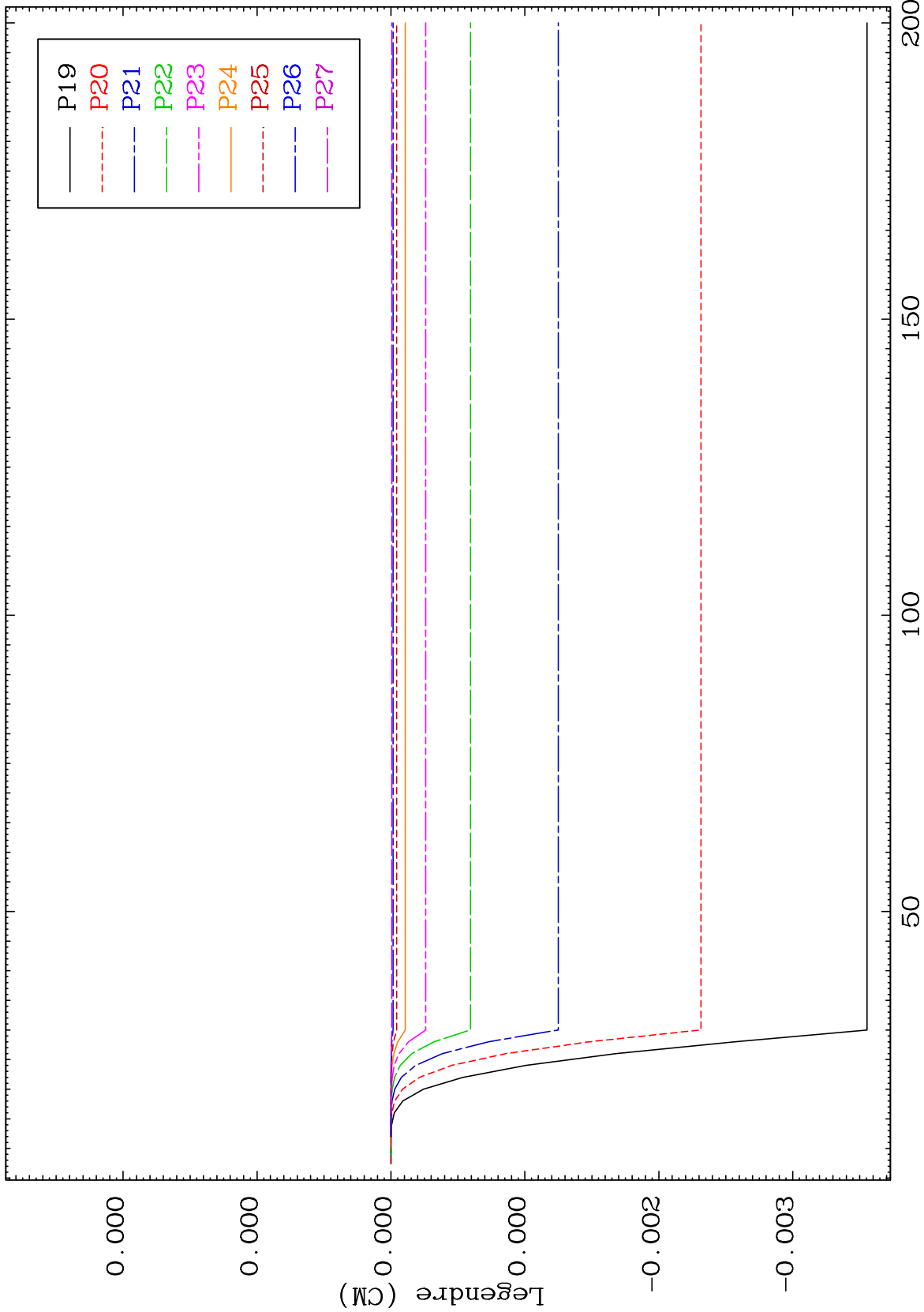
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



120

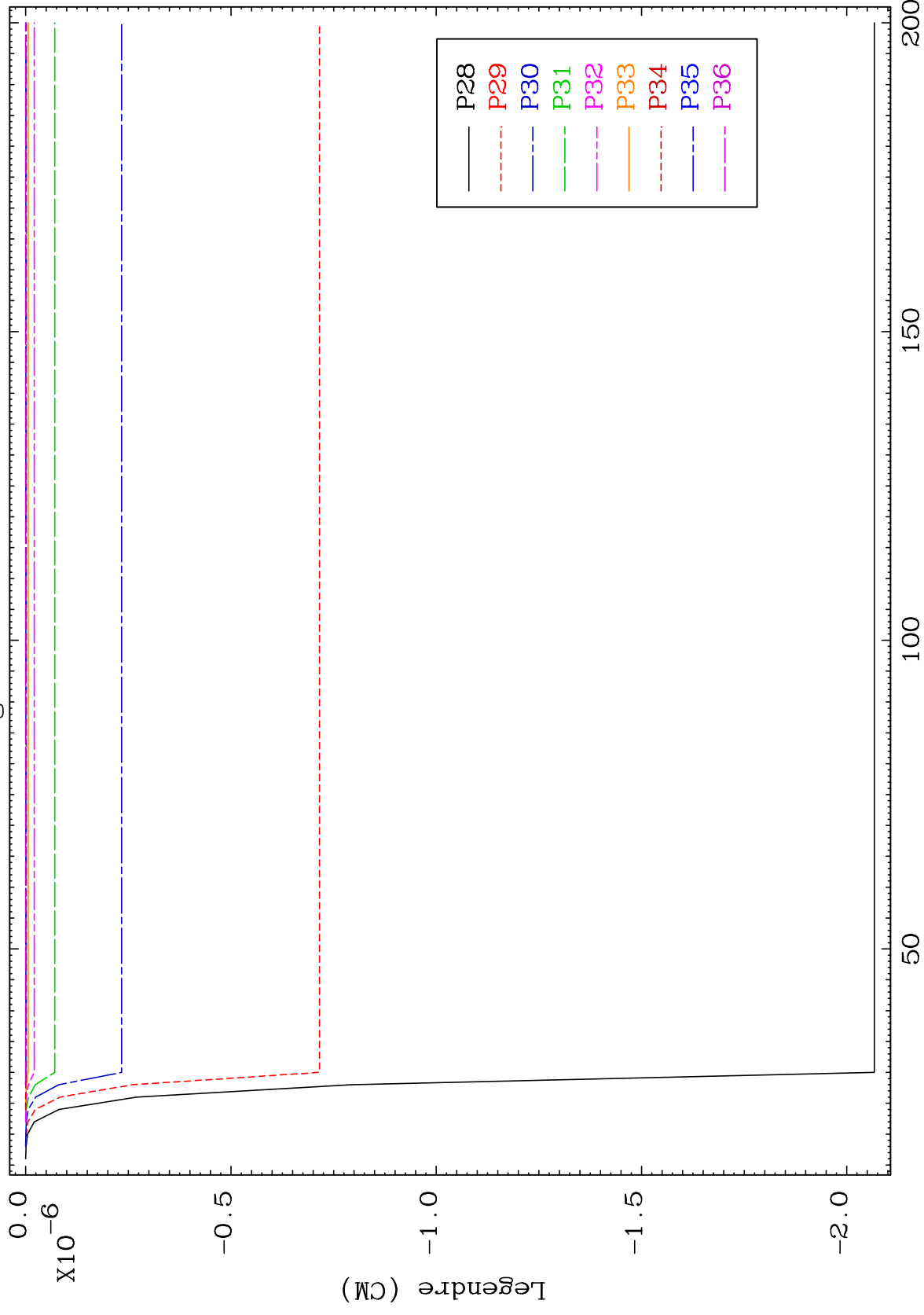
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



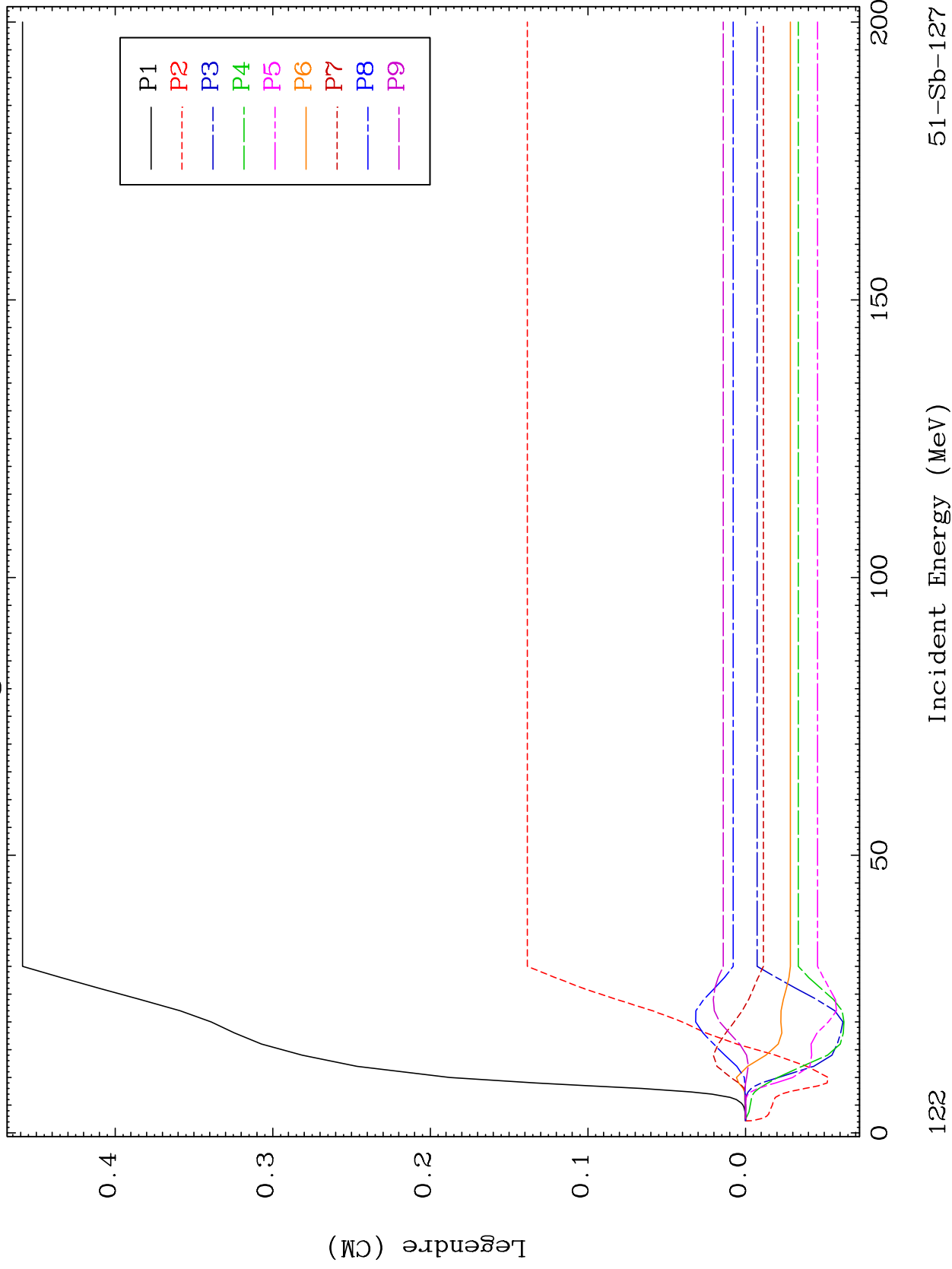
121

51-Sb-127

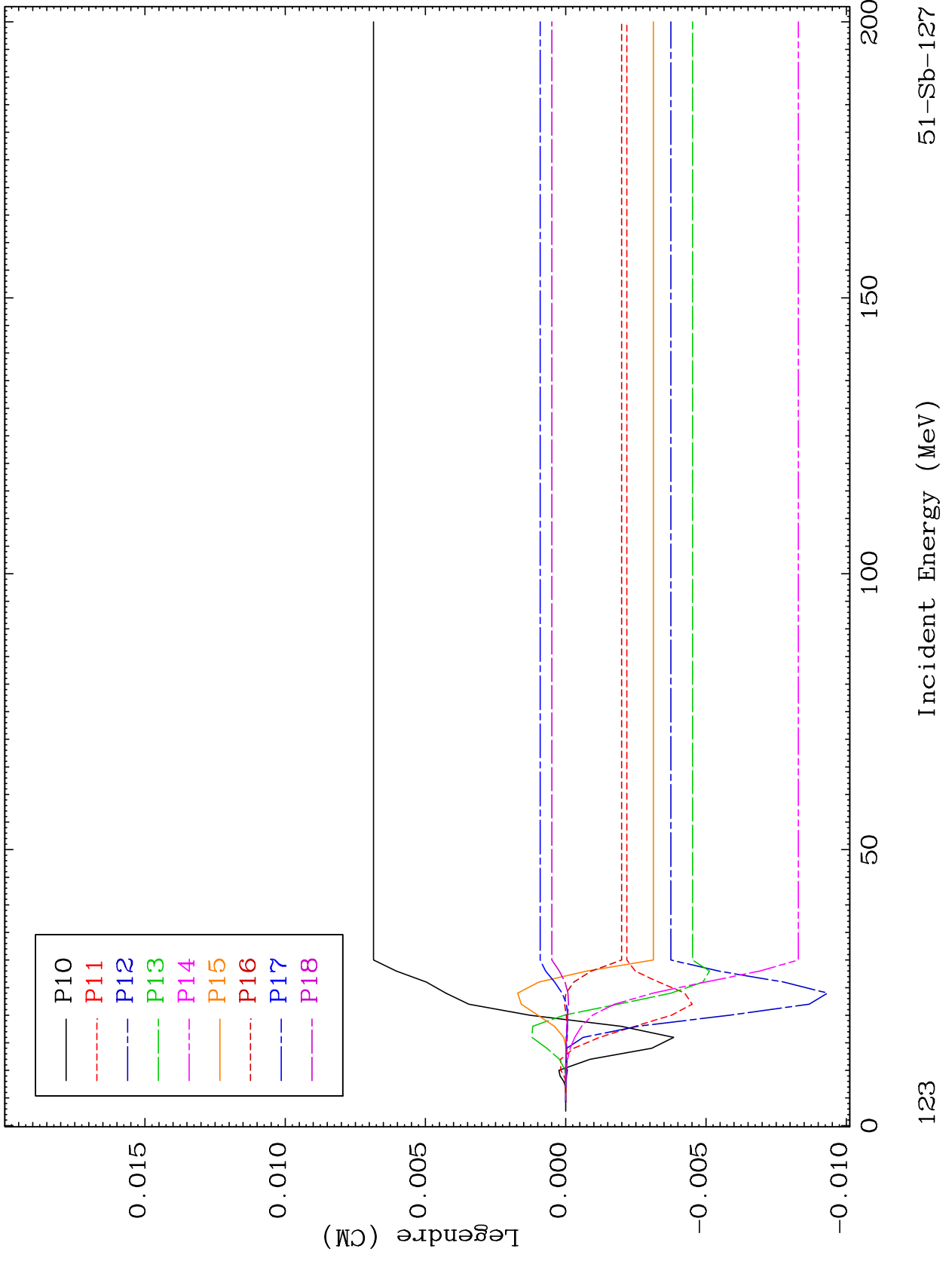
MAT 5143

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

51-Sb-127



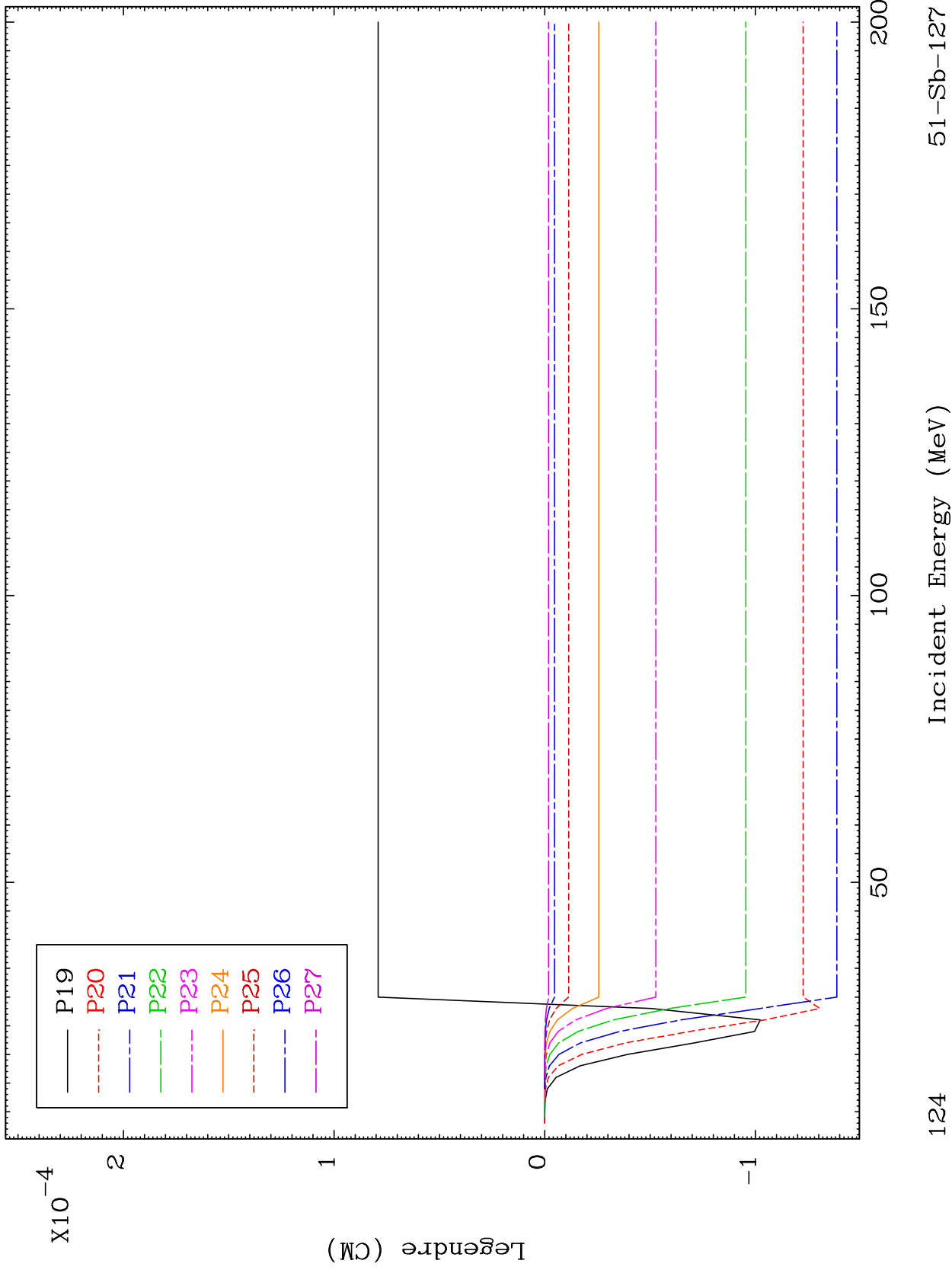
51-Sb-127



MAT 5143

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

51-Sb-127



124

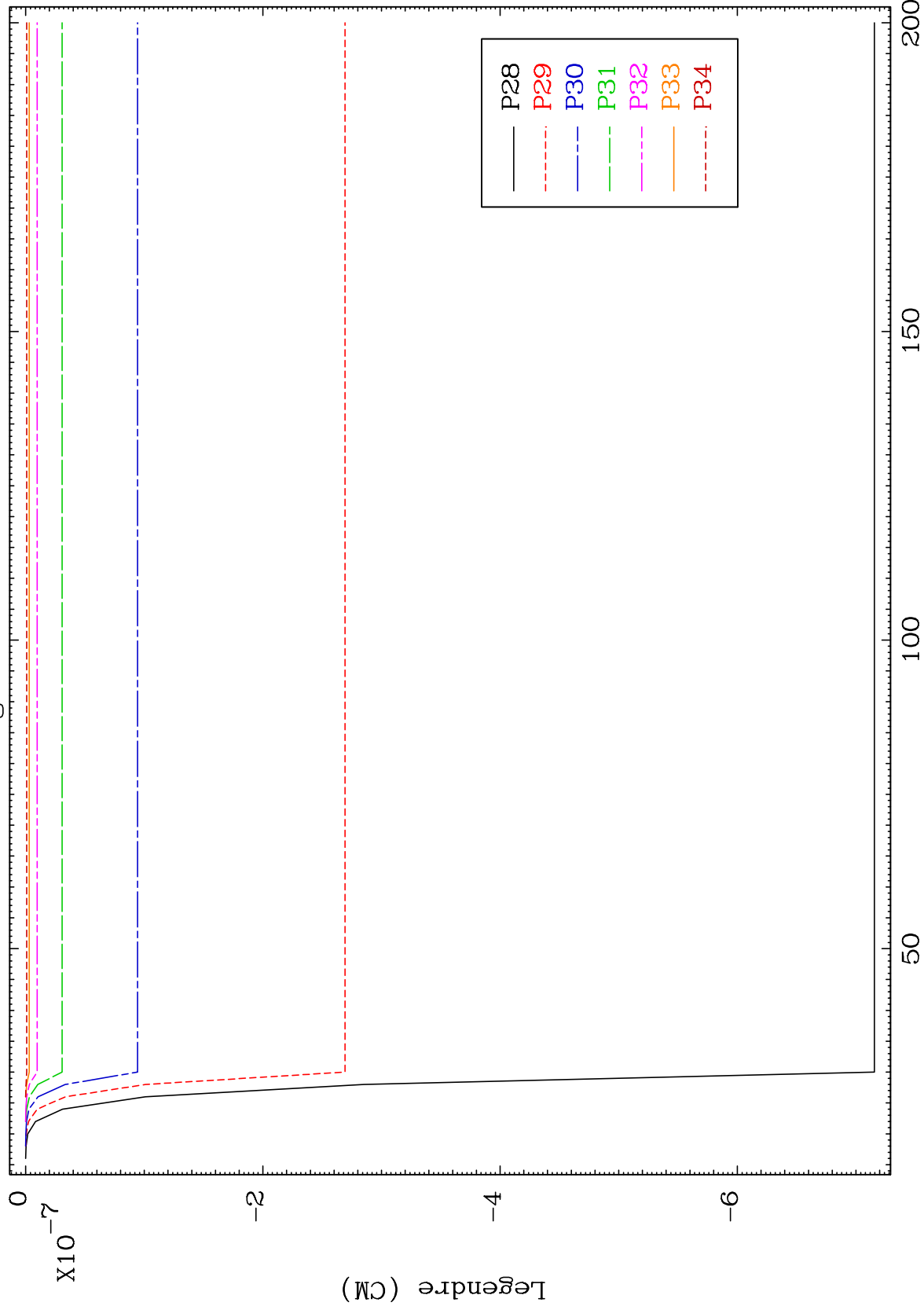
51-Sb-127

MAT 5143

MT= 77 (n,n') Level

51-Sb-127

Legendre Coefficients



125

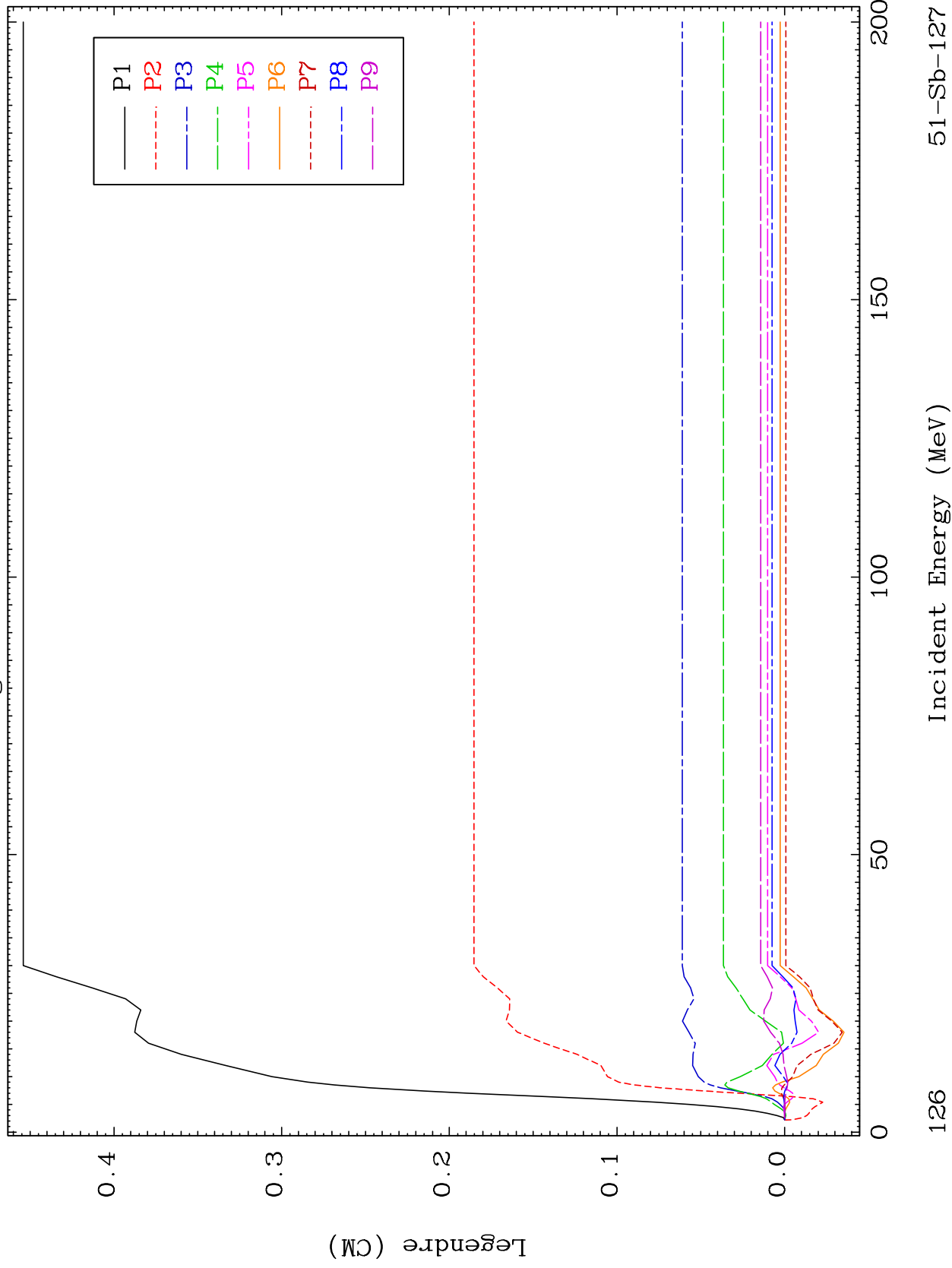
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

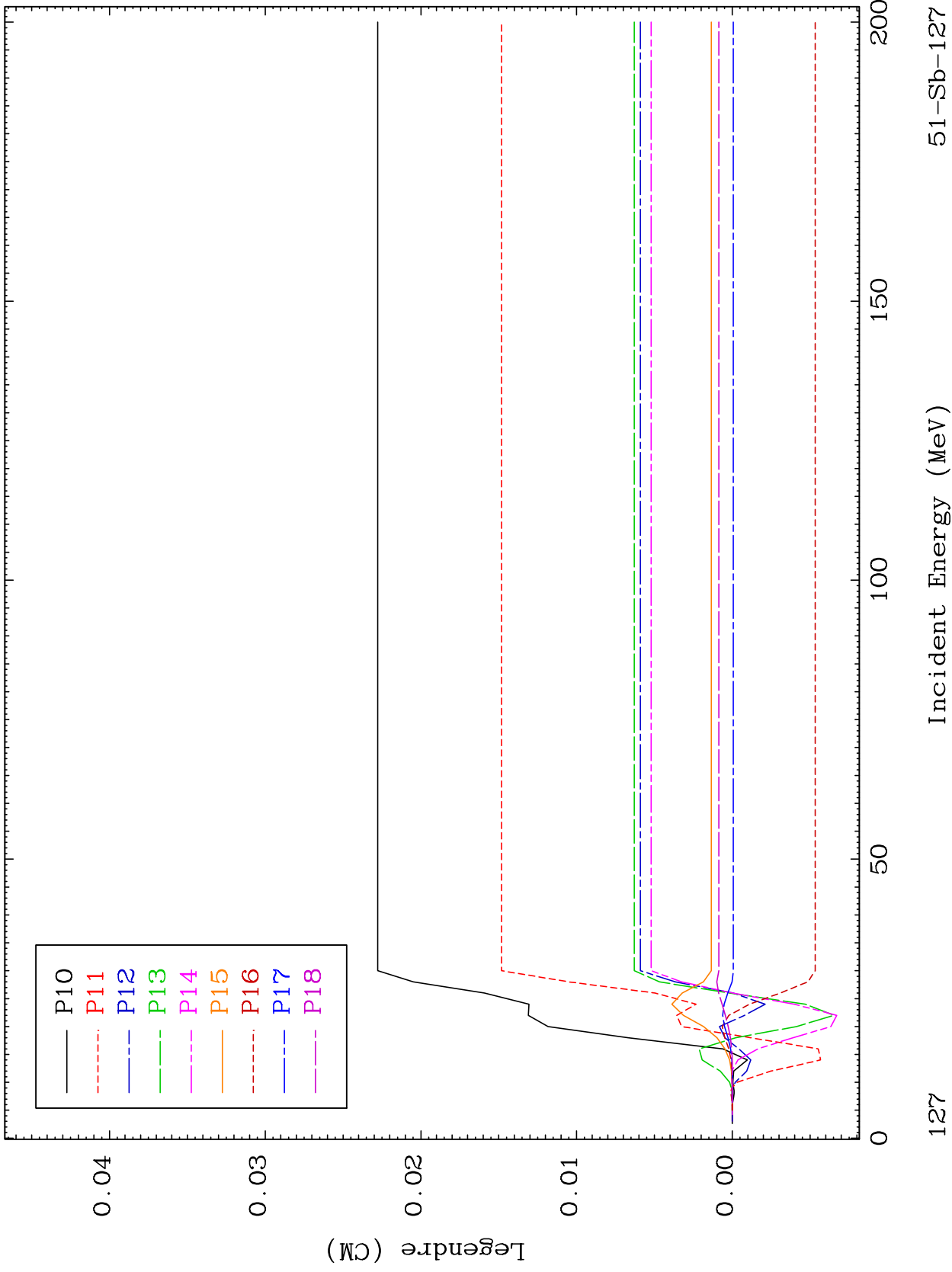
Incident Energy (MeV)

126

MAT 5143

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

51-Sb-127



51-Sb-127

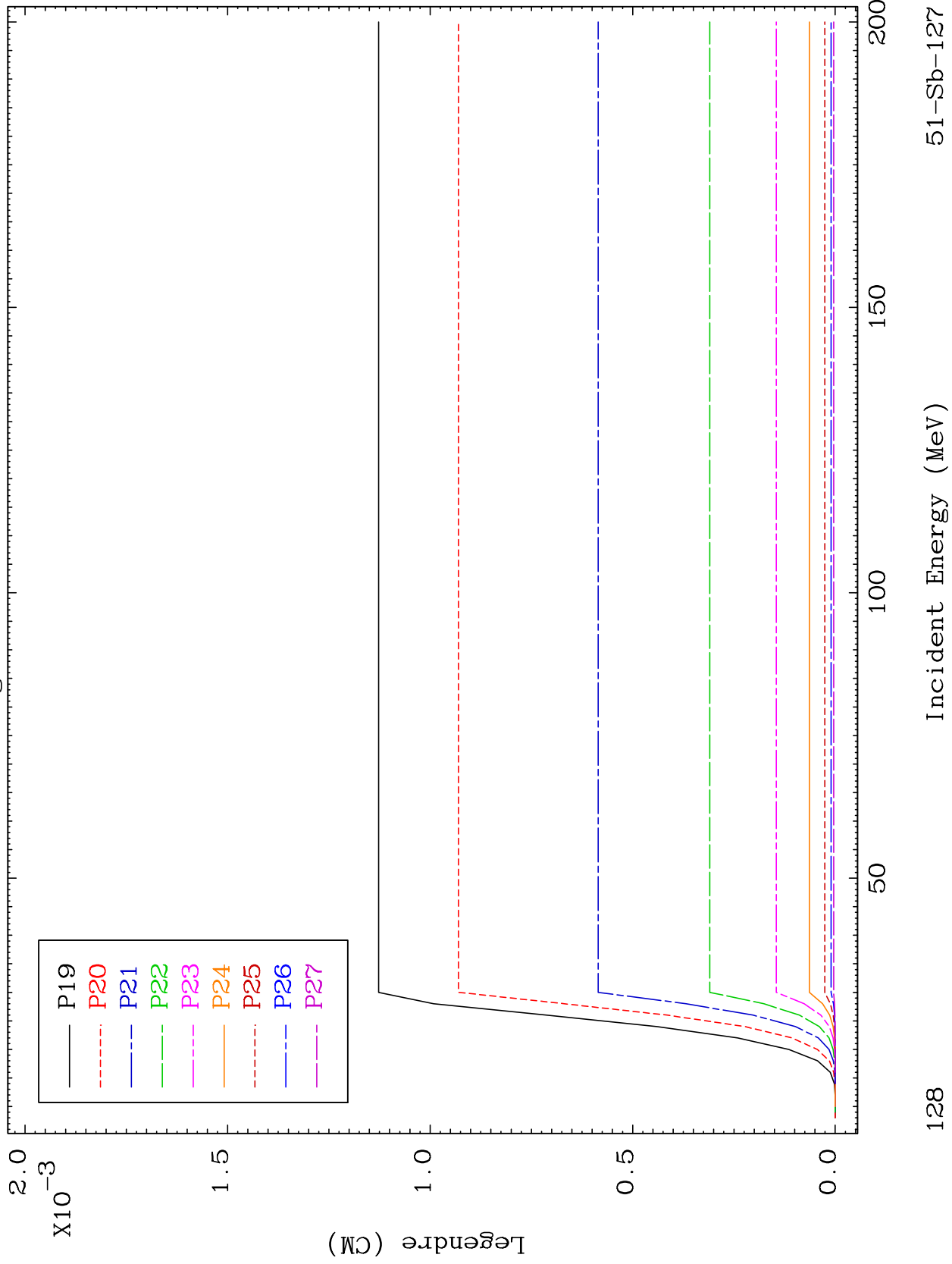
Incident Energy (MeV)

127

MAT 5143

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

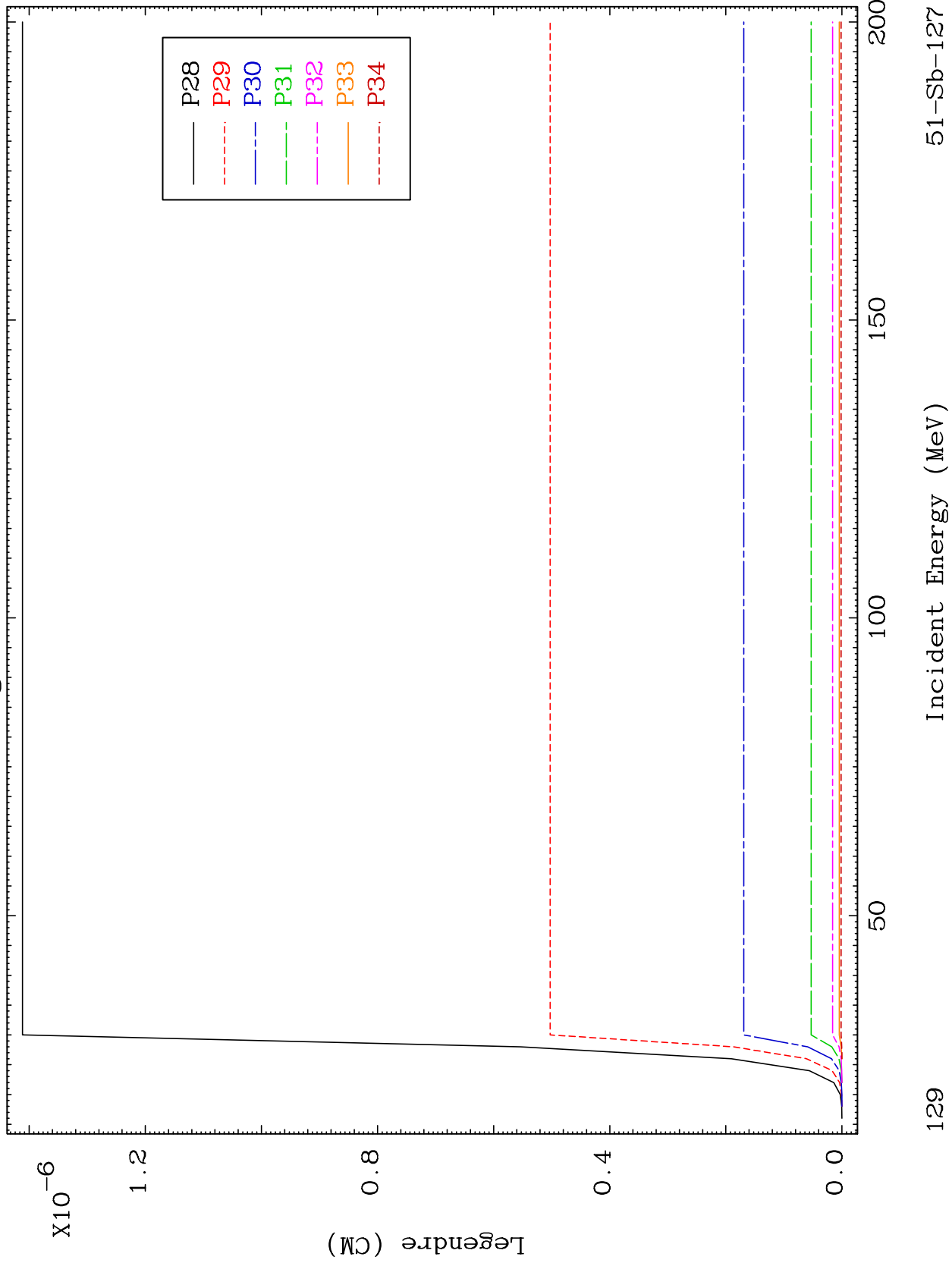
51-Sb-127



MAT 5143

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

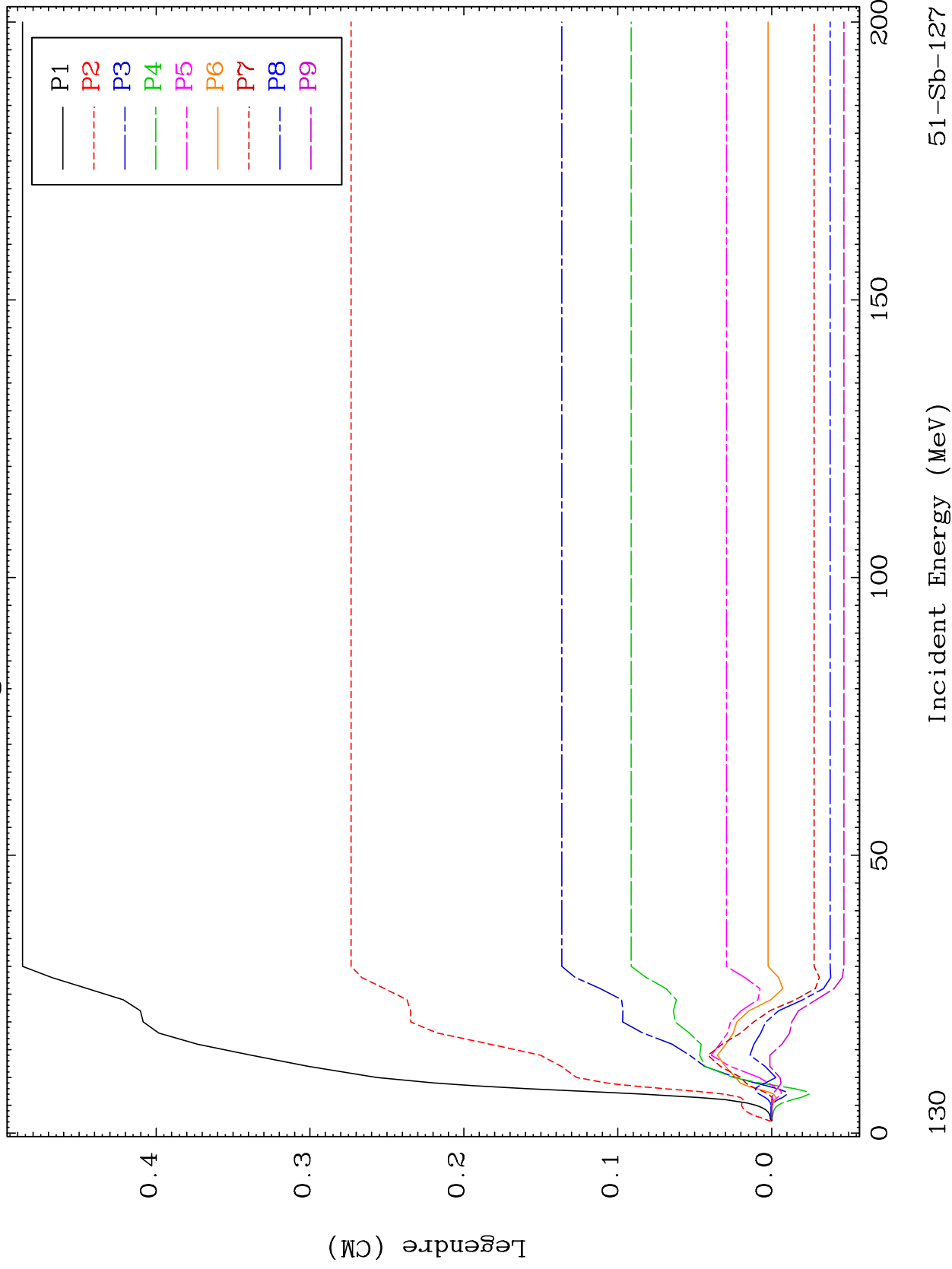
51-Sb-127



MAT 5143

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

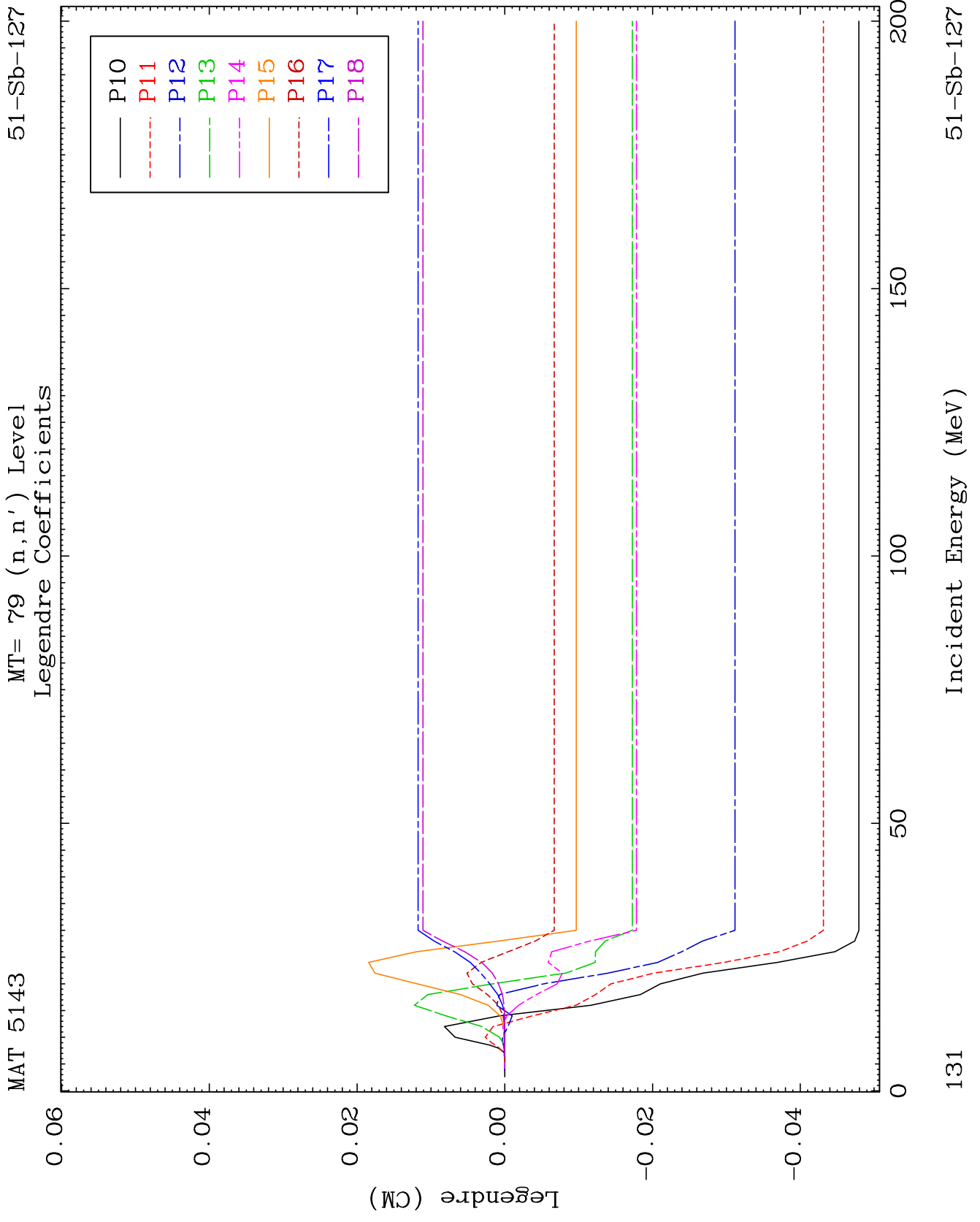
51-Sb-127



51-Sb-127

Incident Energy (MeV)

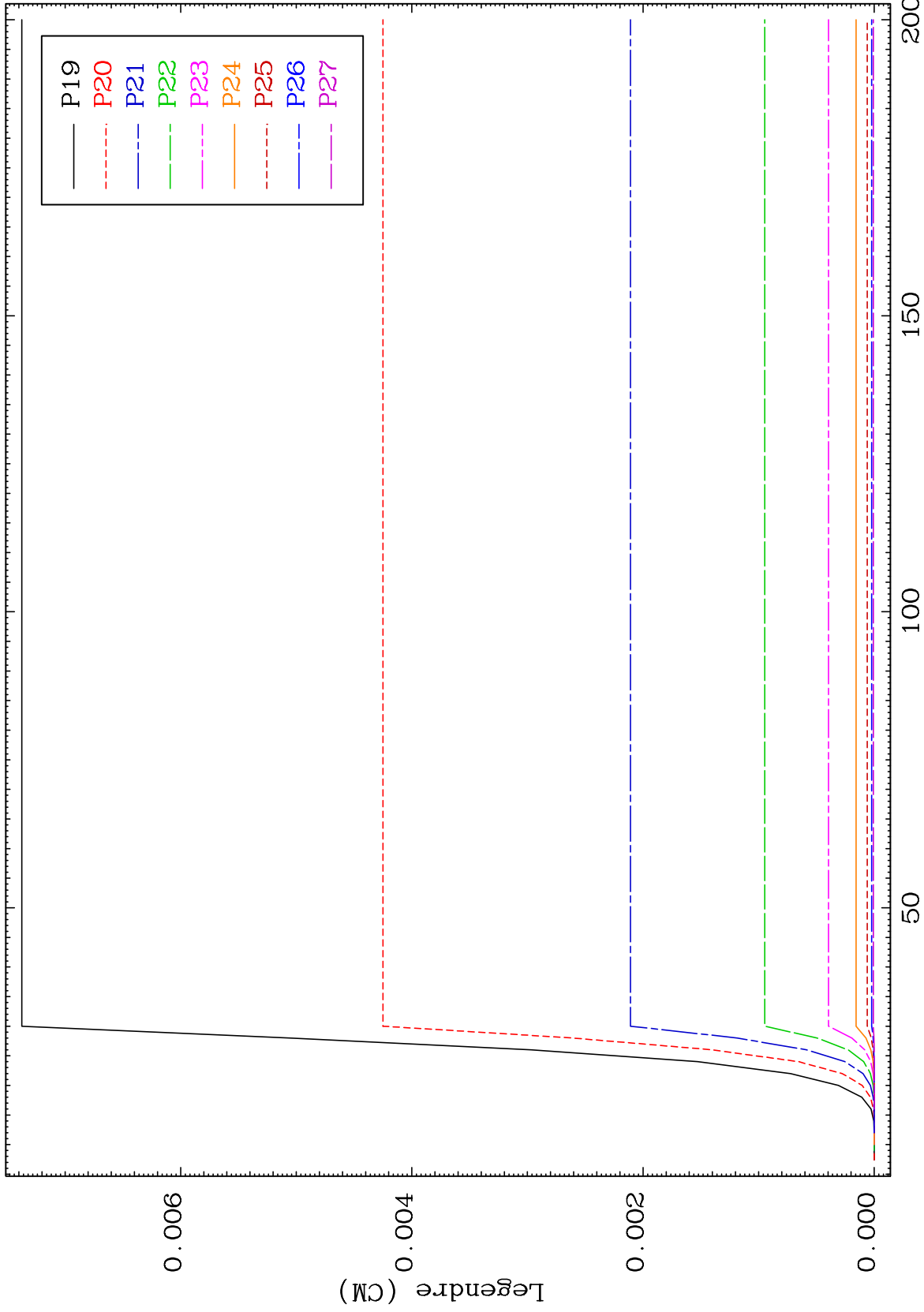
130



MAT 5143

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

51-Sb-127



132

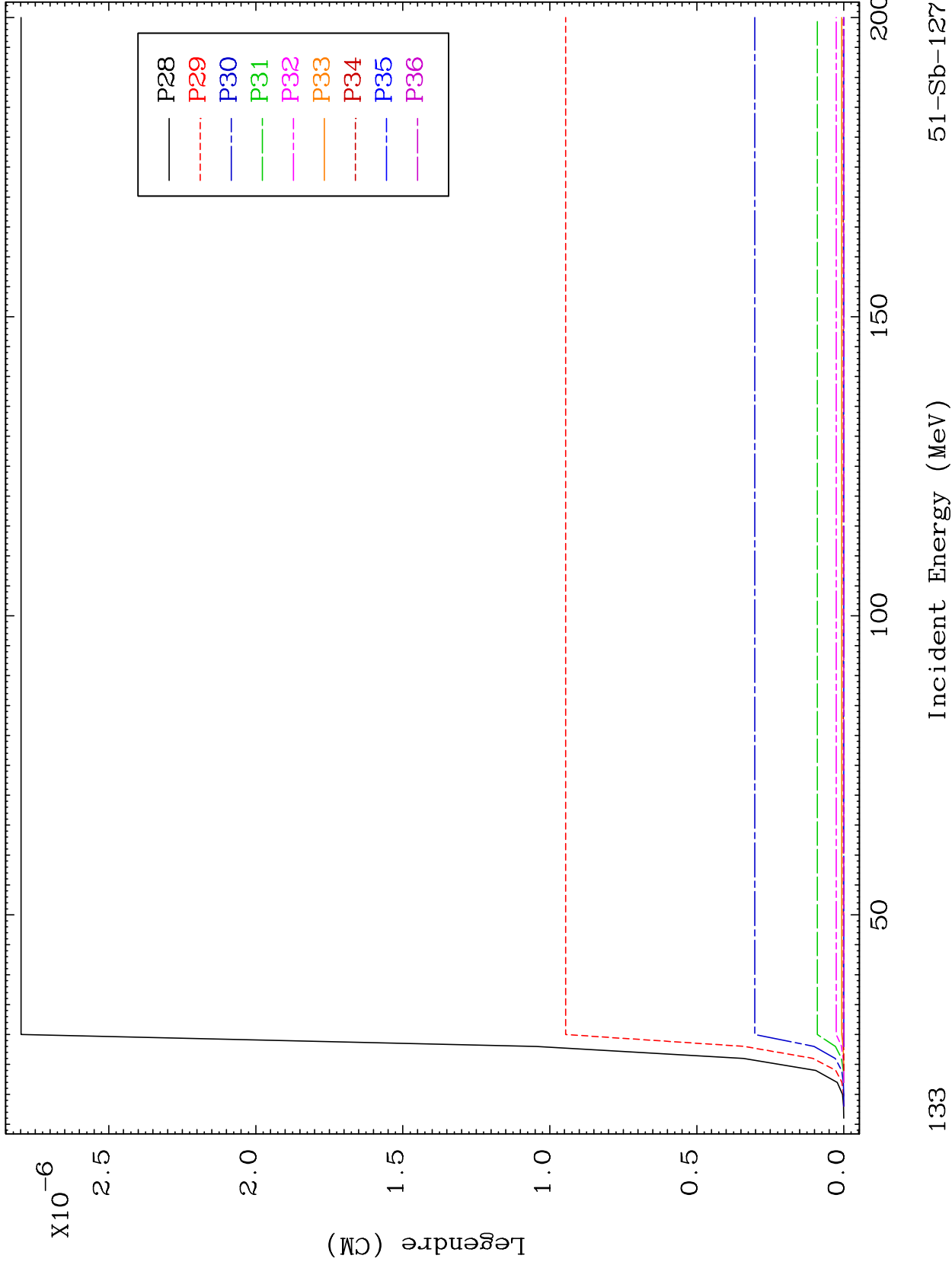
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



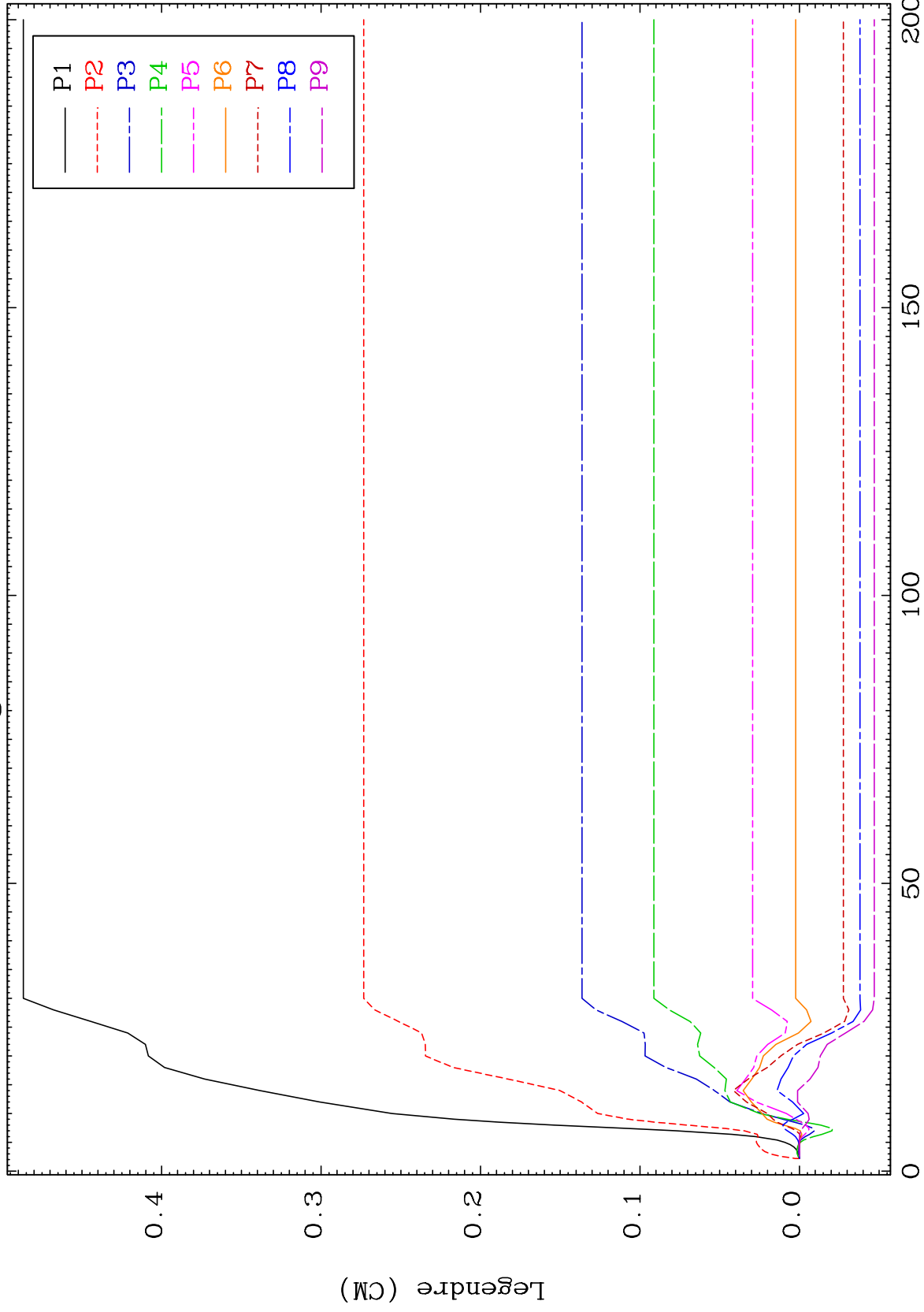
133

51-Sb-127

MAT 5143

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

51-Sb-127



134

Incident Energy (MeV)

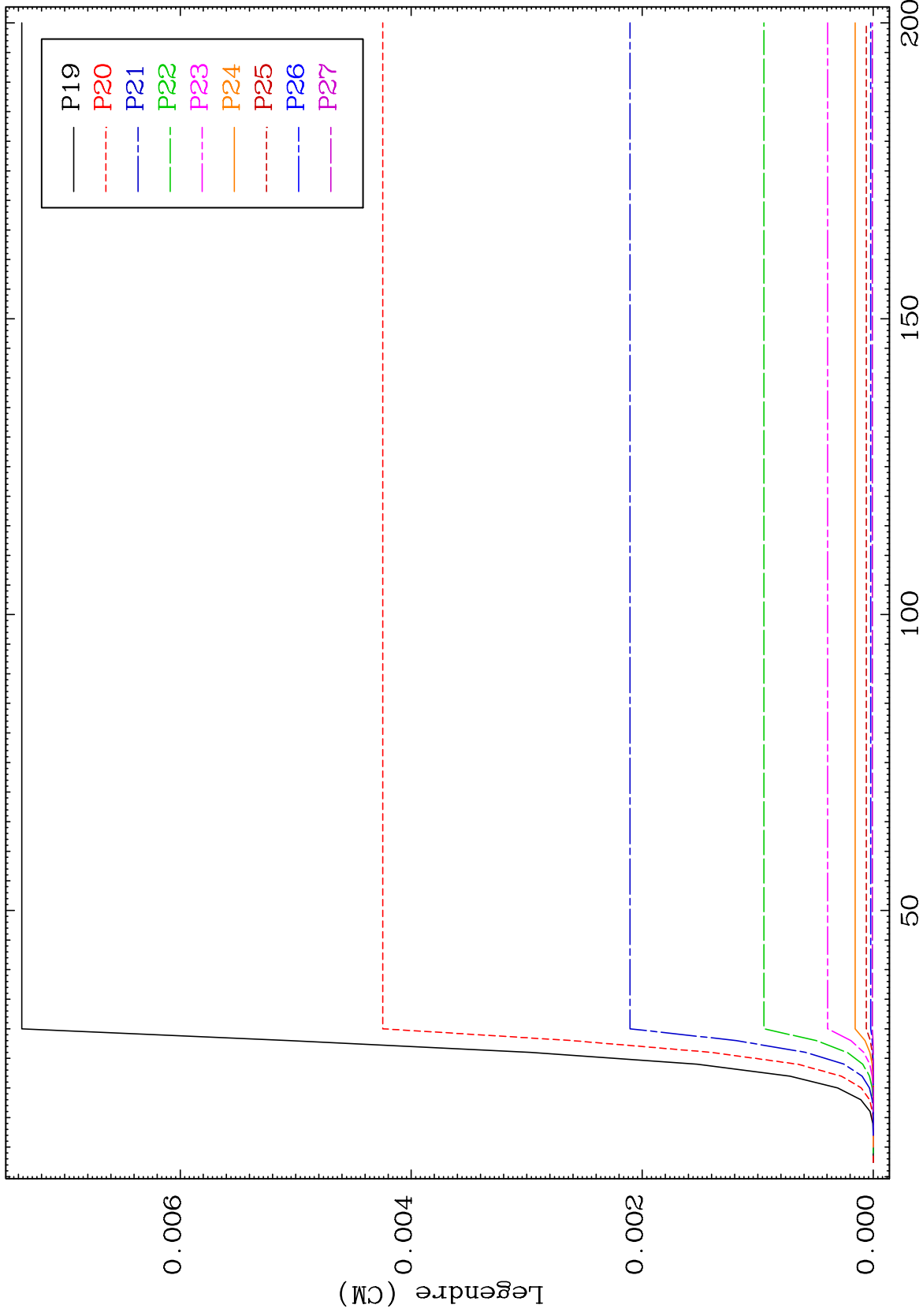
51-Sb-127



MAT 5143

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

51-Sb-127



136

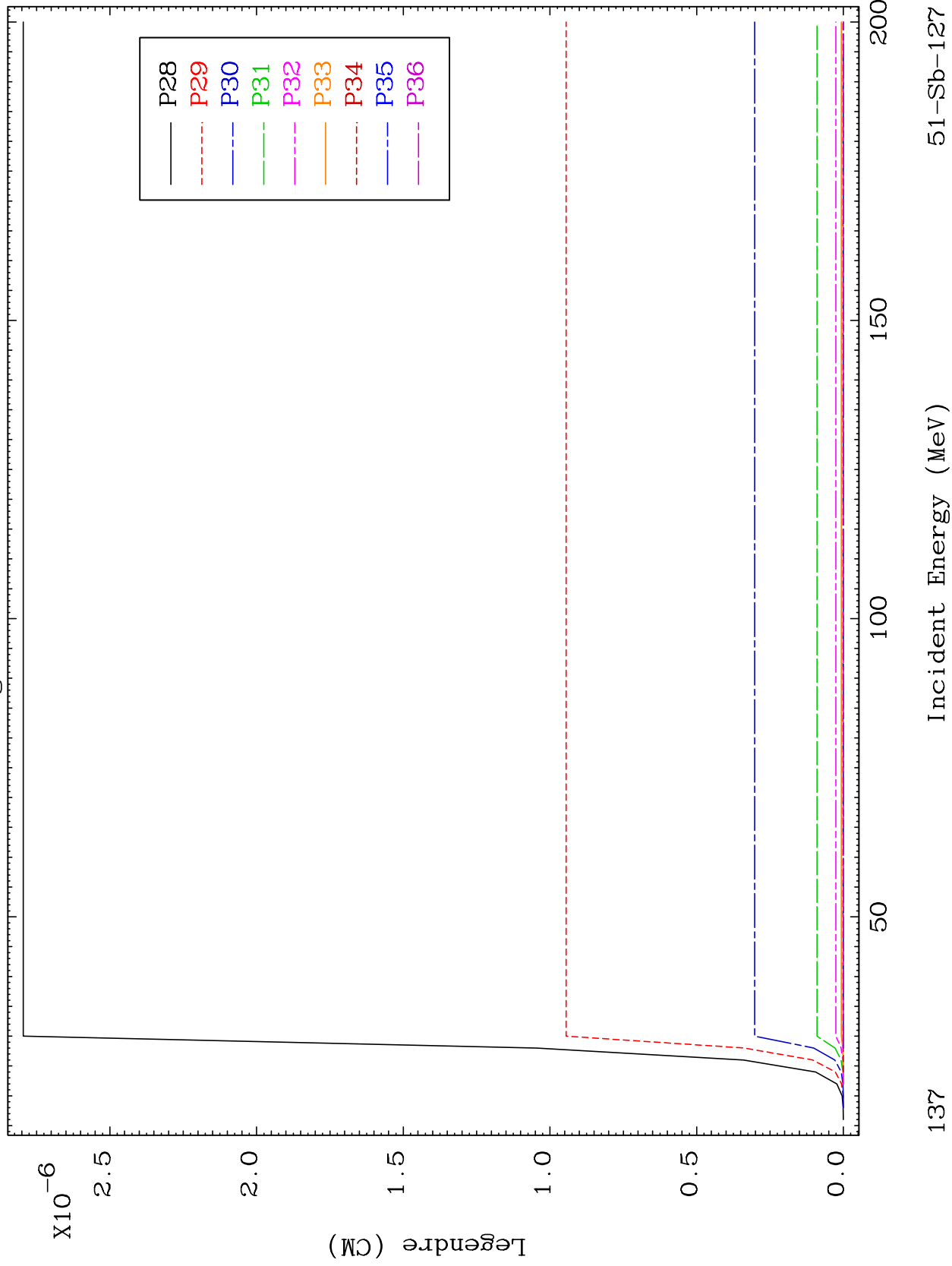
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



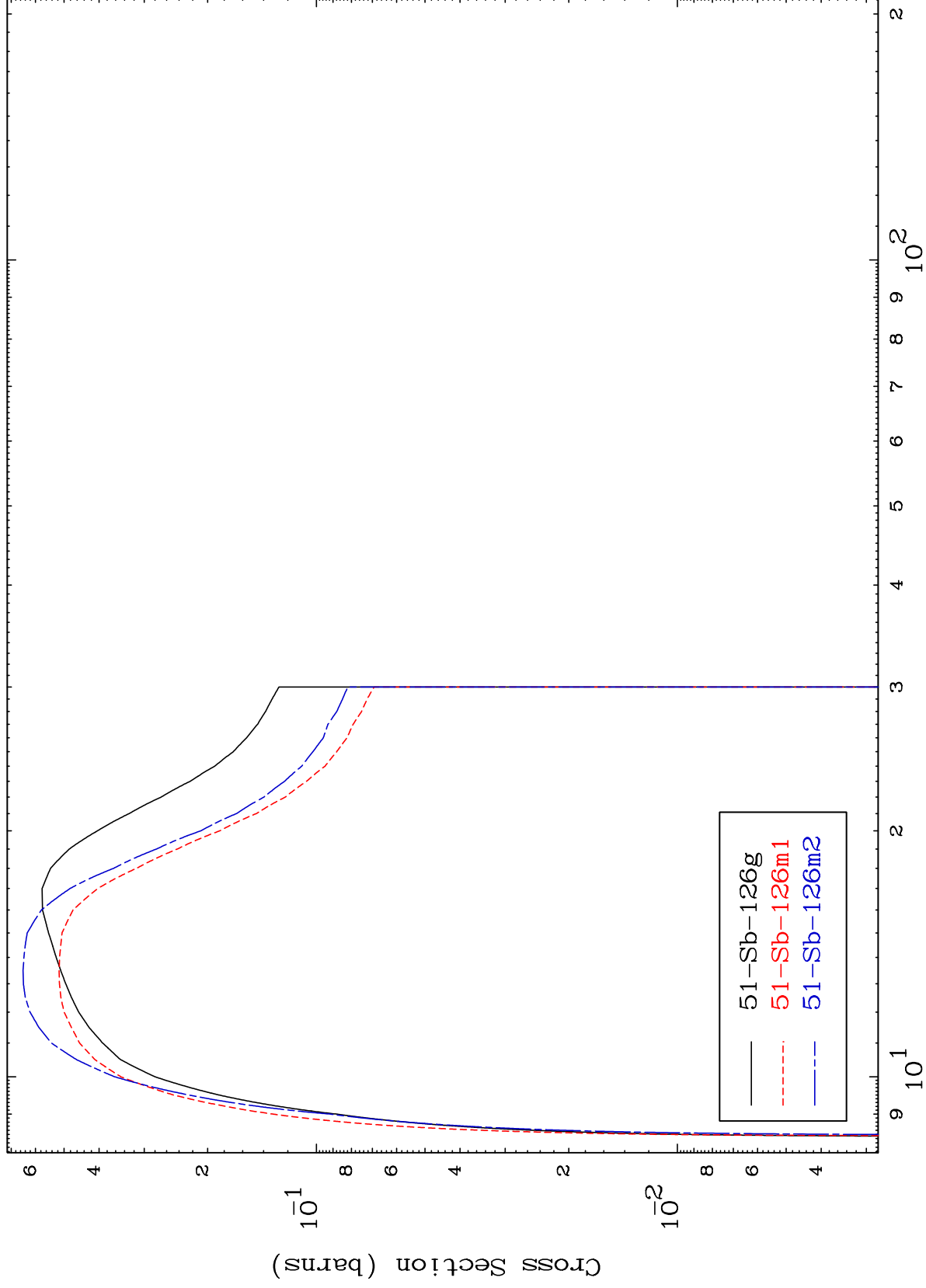
137

51-Sb-127

MAT 5143

51-Sb-127

Radionuclide Production Cross Section



51-Sb-127

Incident Energy (MeV)

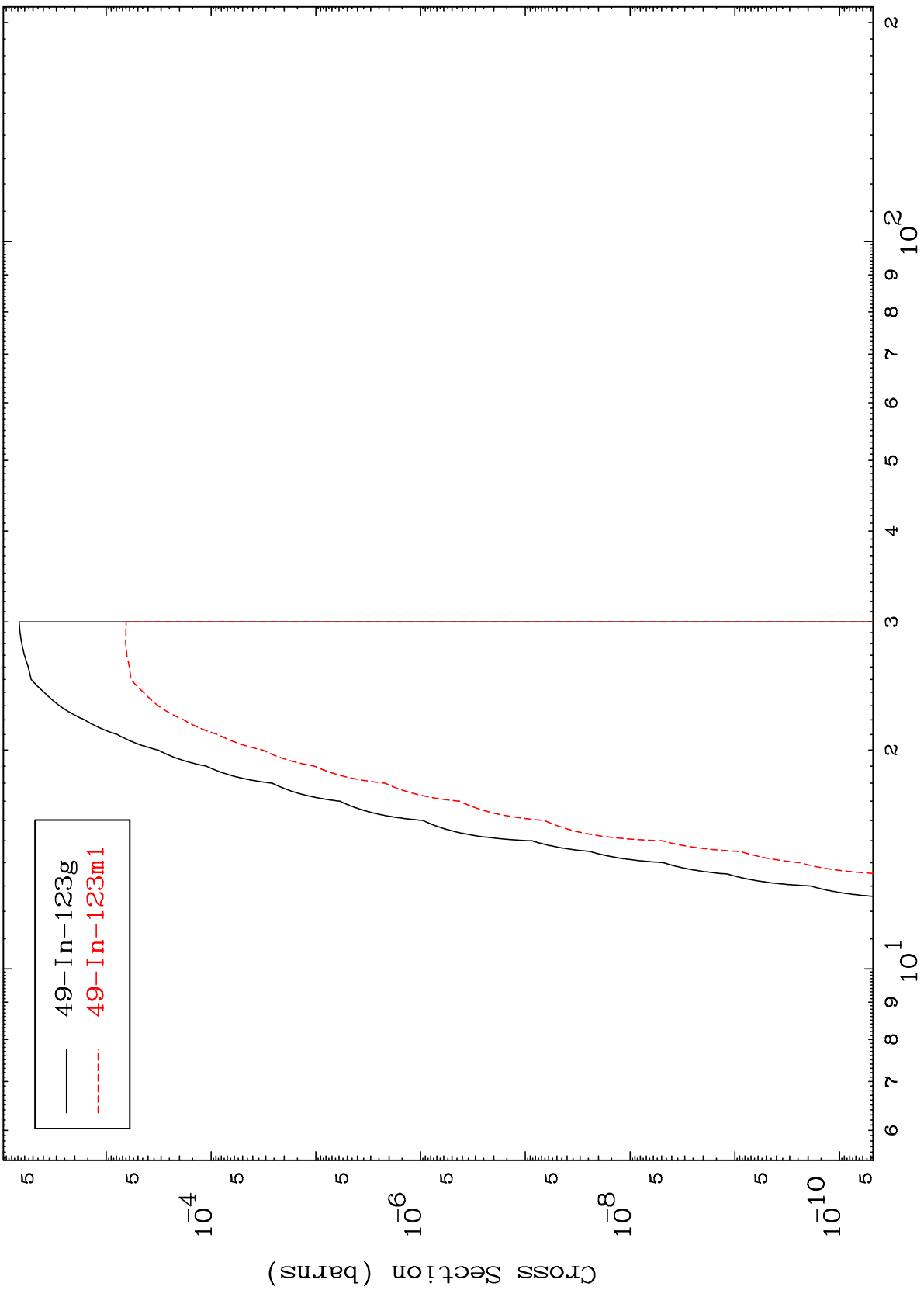
138

MAT 5143

(n,n')  $\alpha$

51-Sb-127

Radionuclide Production Cross Section



139

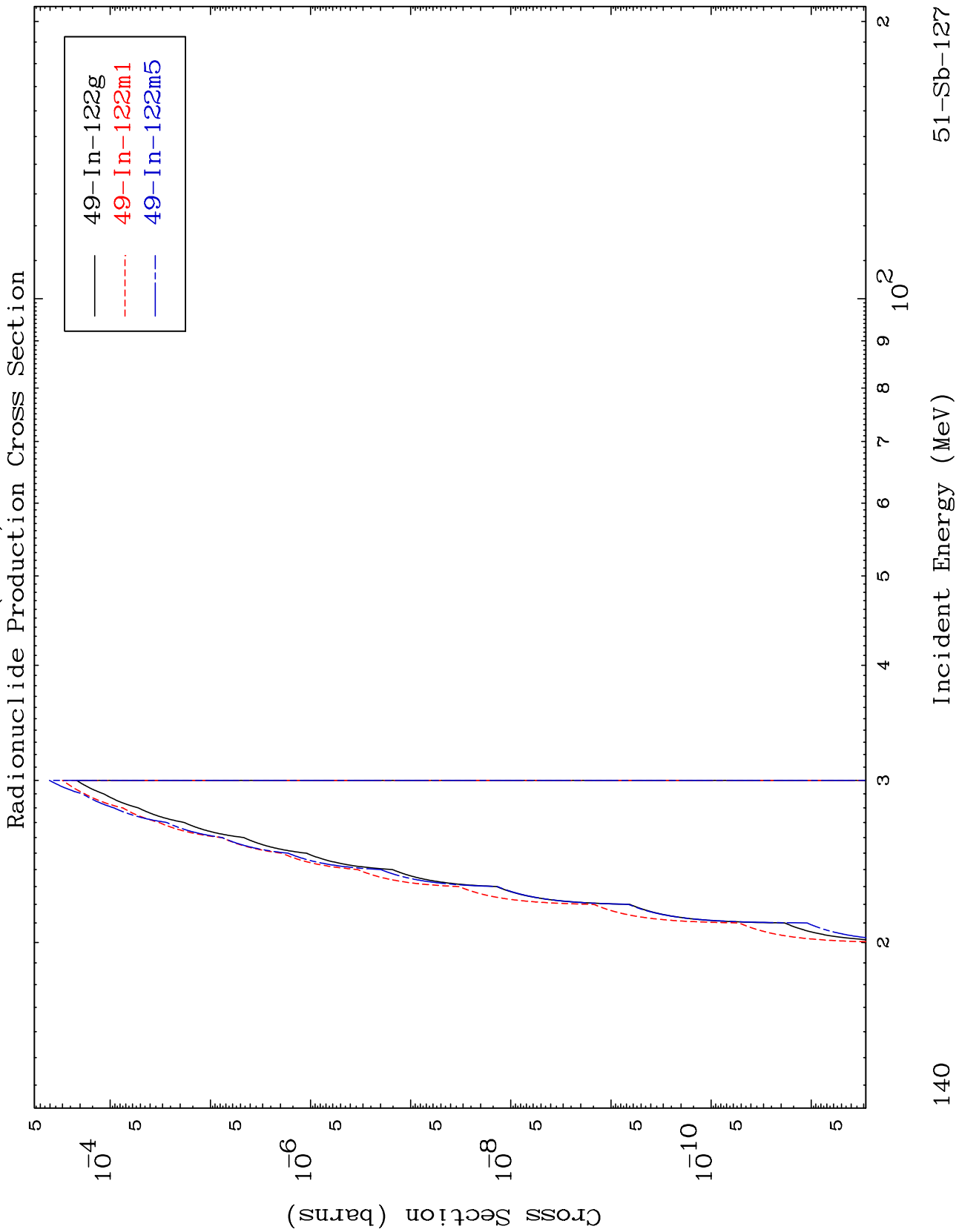
Incident Energy (MeV)

51-Sb-127

MAT 5143

(n,2n)  $\alpha$

51-Sb-127



140

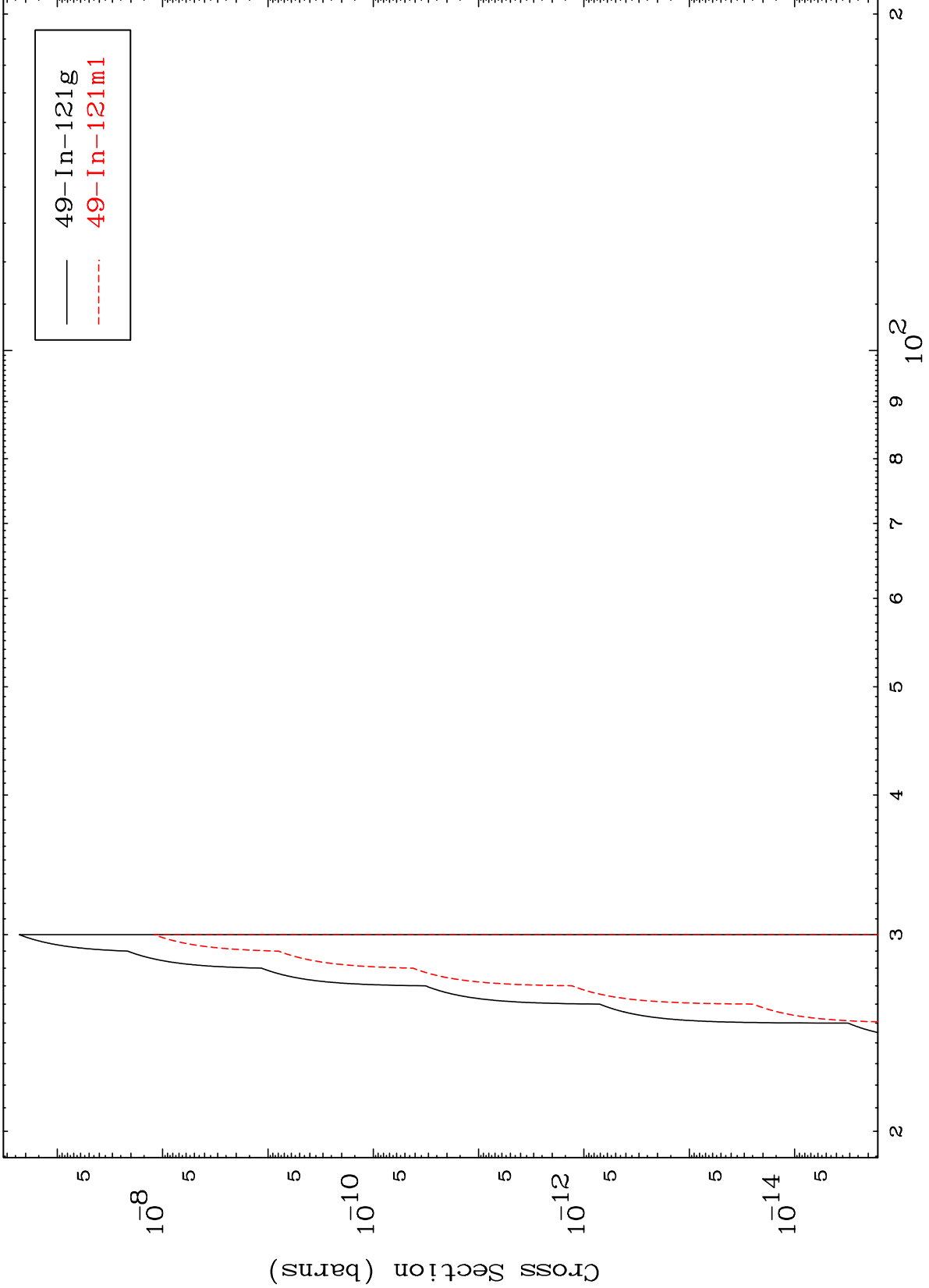
51-Sb-127

MAT 5143

(n,3n)  $\alpha$

51-Sb-127

Radionuclide Production Cross Section



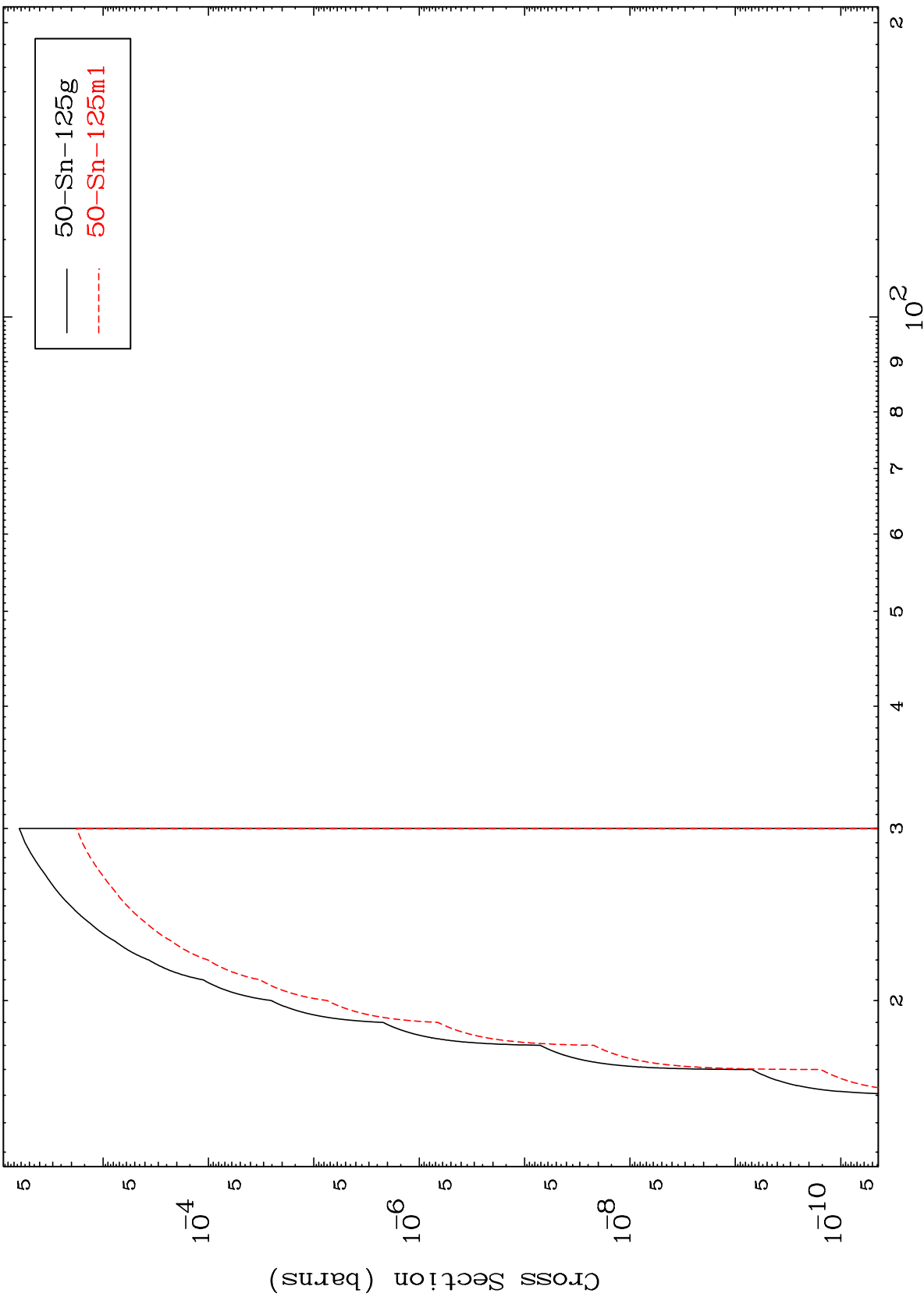
— 49-In-121g  
- - - 49-In-121m1

141

Incident Energy (MeV)

51-Sb-127

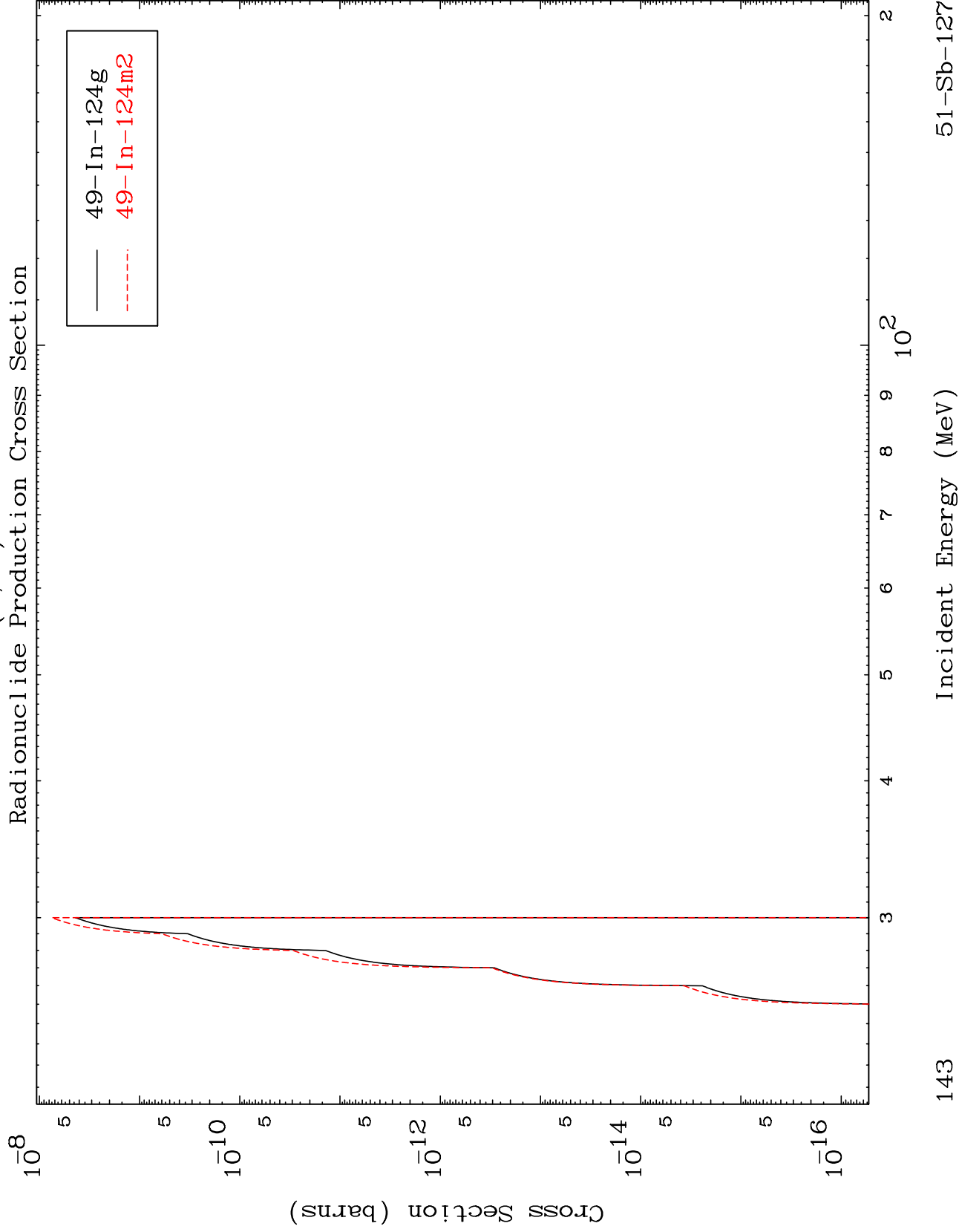
Radionuclide Production Cross Section



MAT 5143

(n,n') He-3

51-Sb-127



143

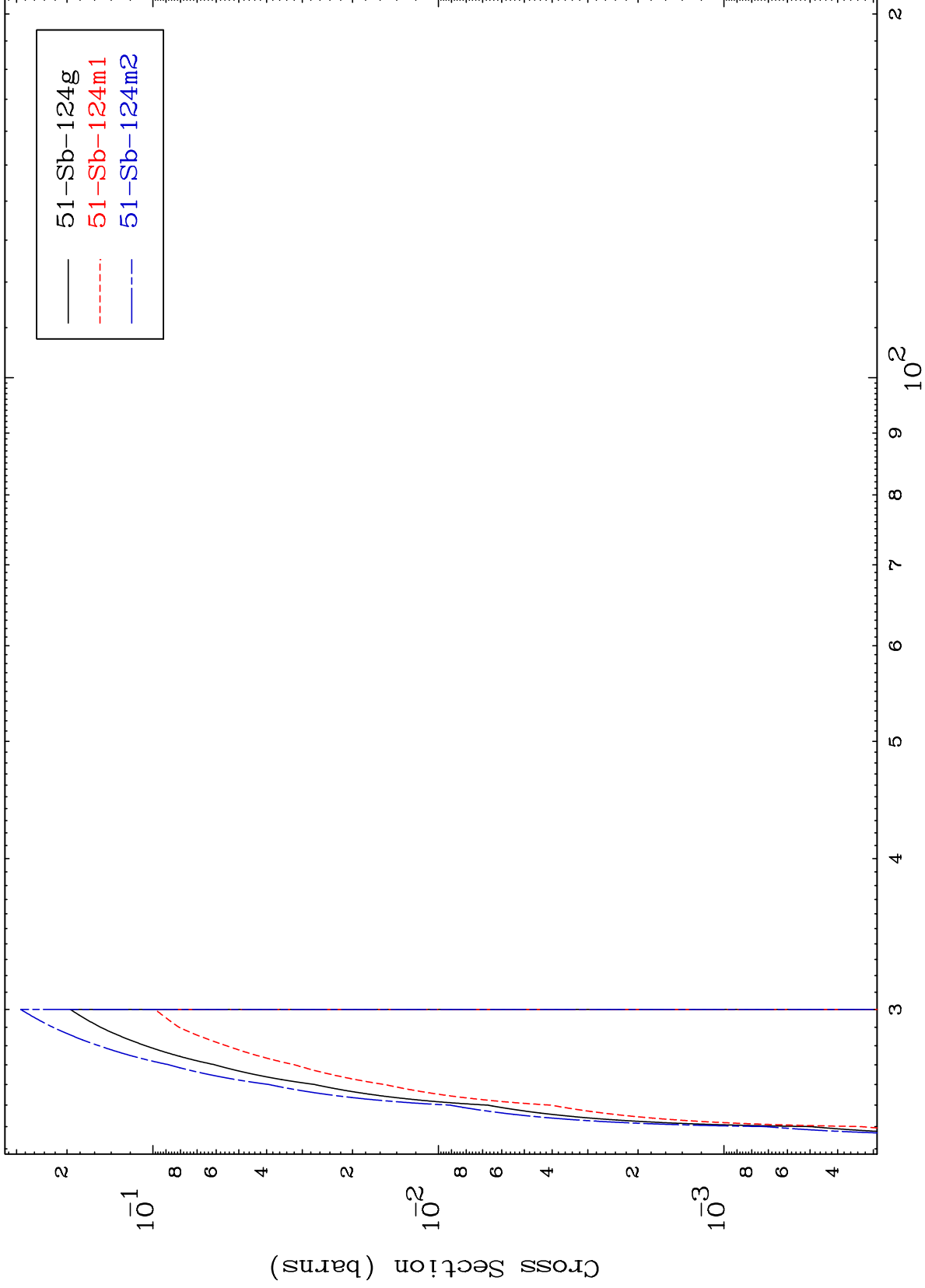
51-Sb-127

MAT 5143

(n,4n)

51-Sb-127

Radionuclide Production Cross Section



144

Incident Energy (MeV)

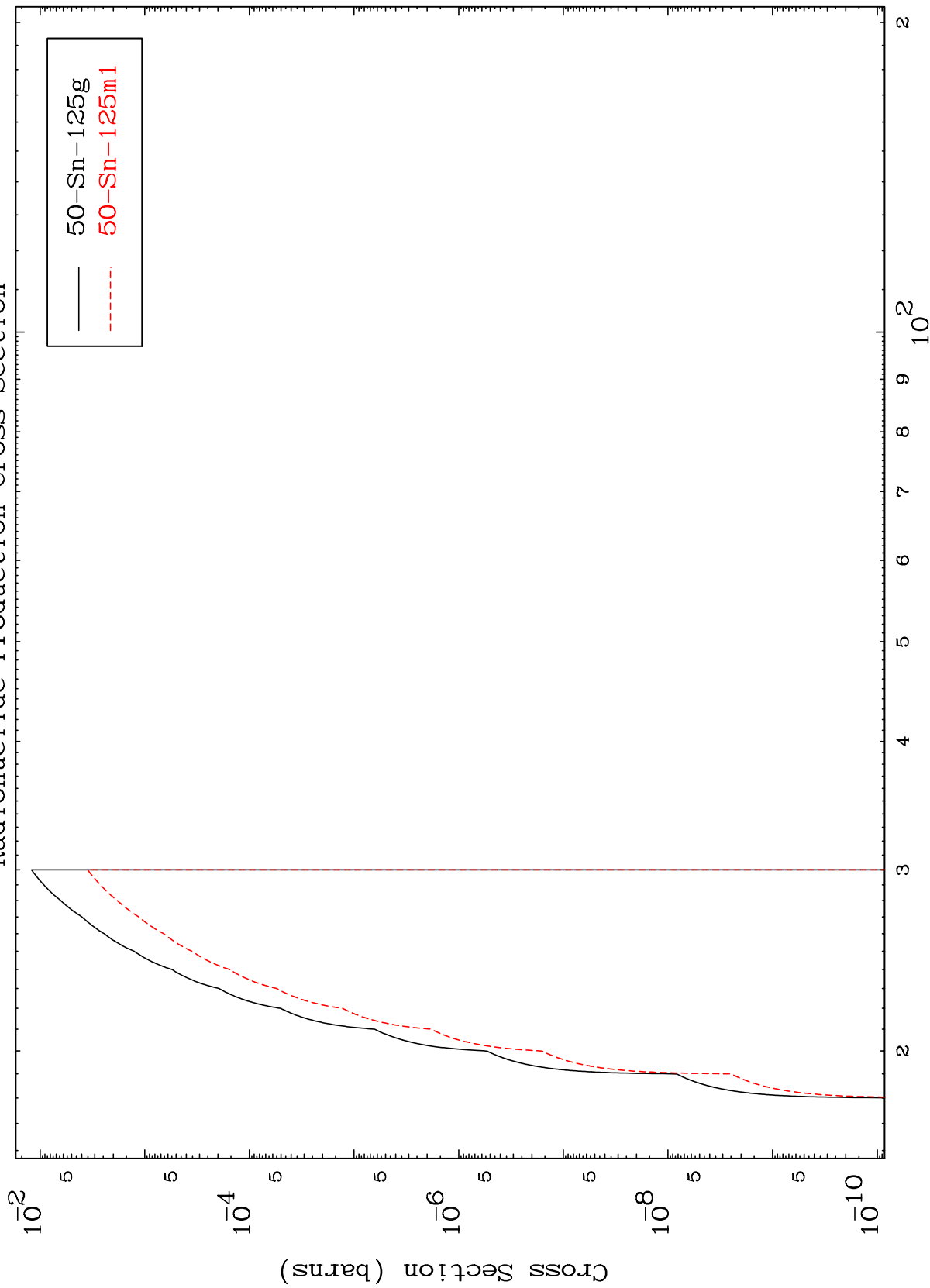
51-Sb-127

MAT 5143

(n,2n) p

51-Sb-127

Radionuclide Production Cross Section



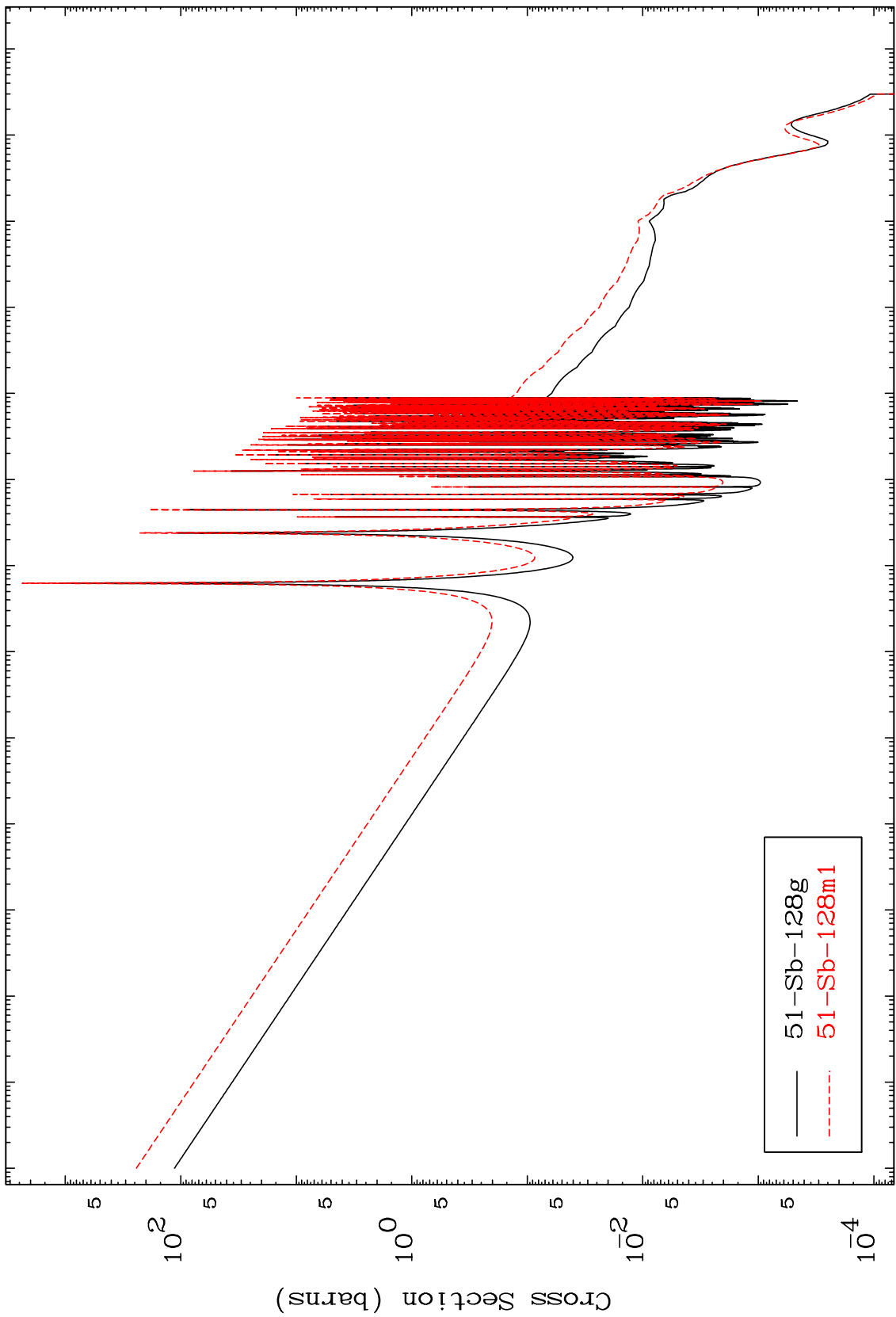
145

Incident Energy (MeV)

51-Sb-127

Radionuclide Production Cross Section

(n,  $\gamma$ )

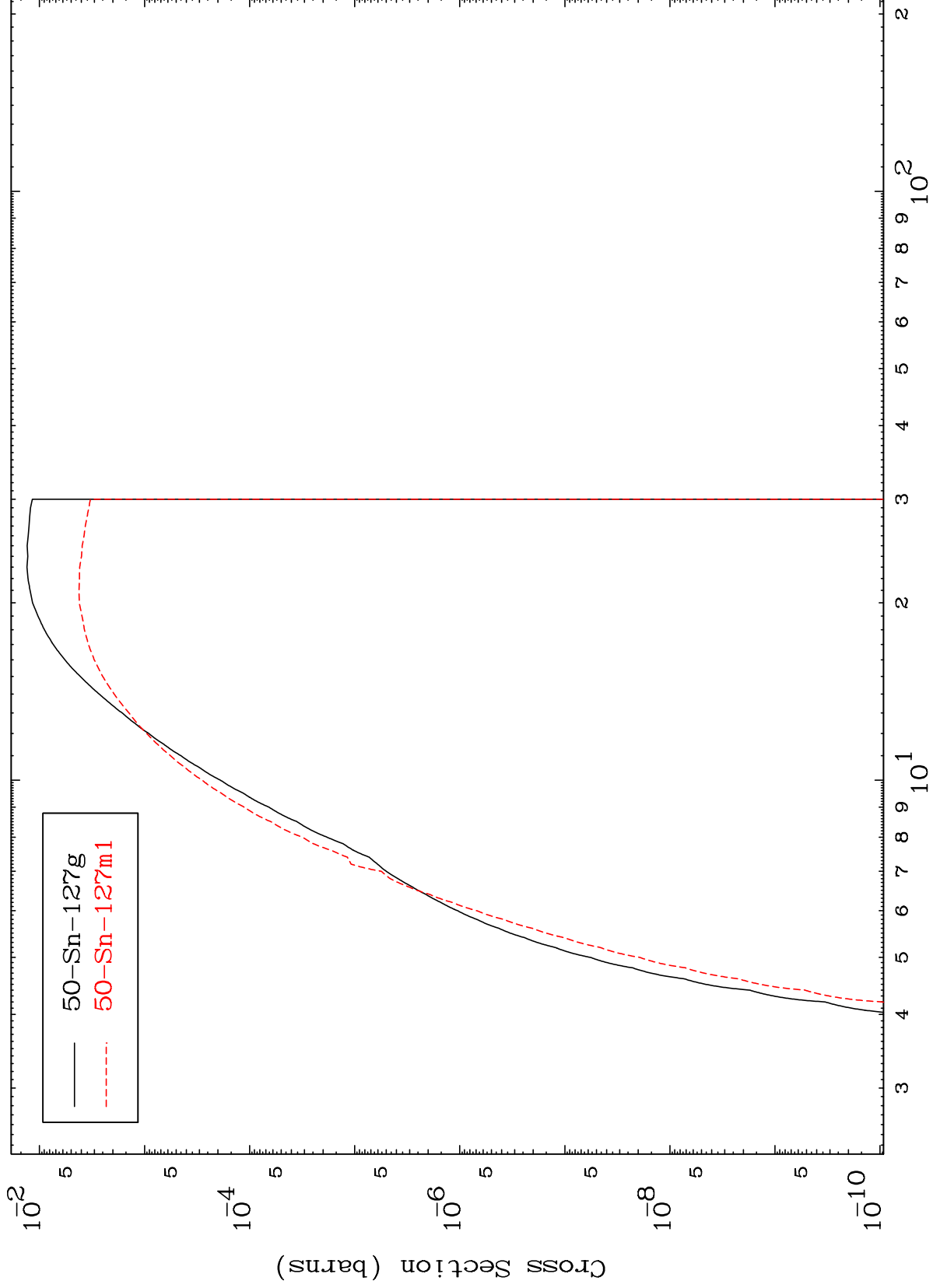


Incident Energy (MeV)

MAT 5143

51-Sb-127

(n,p)  
Radionuclide Production Cross Section



147

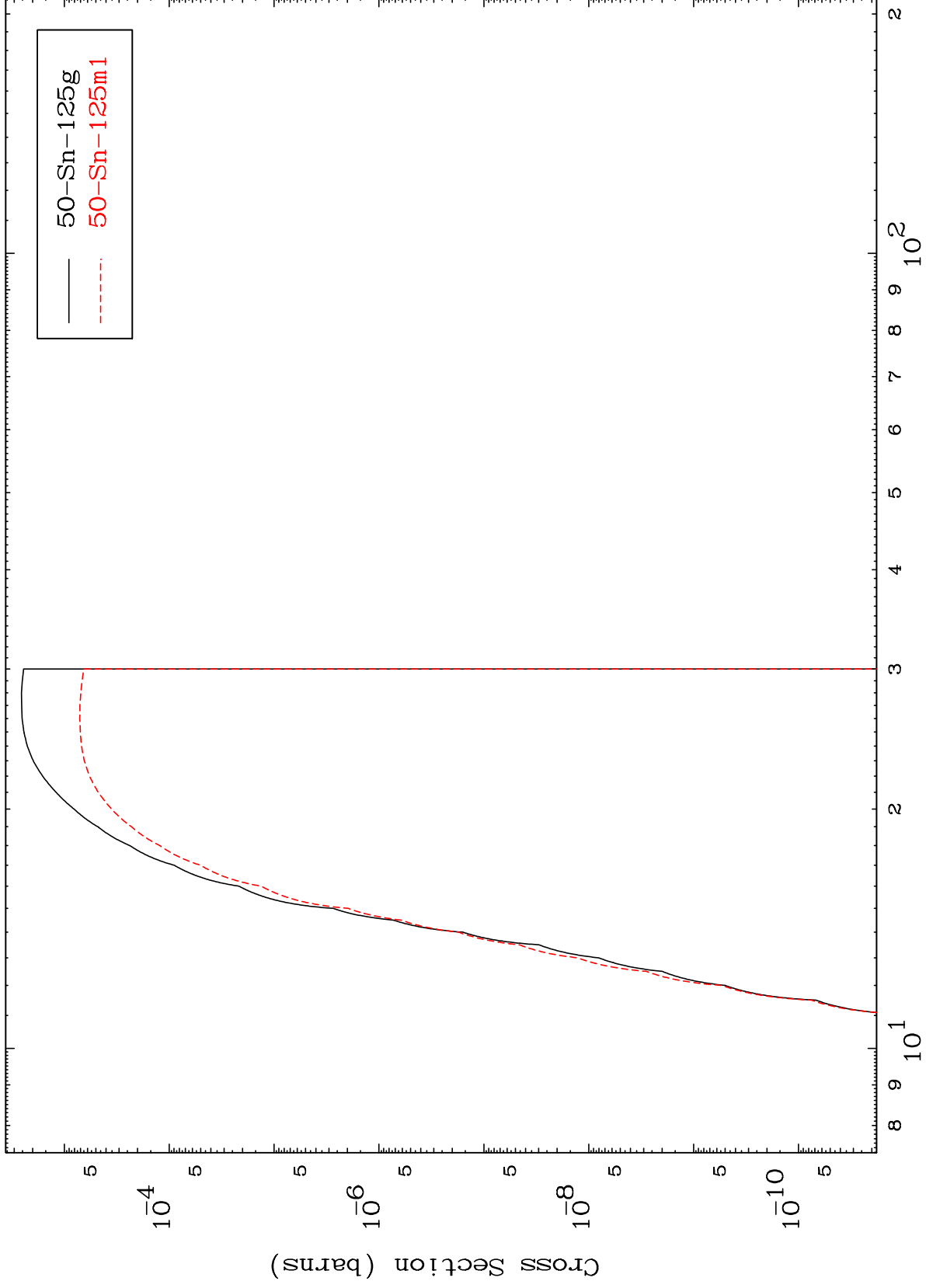
Incident Energy (MeV)

51-Sb-127

MAT 5143

51-Sb-127

(n,t)  
Radionuclide Production Cross Section

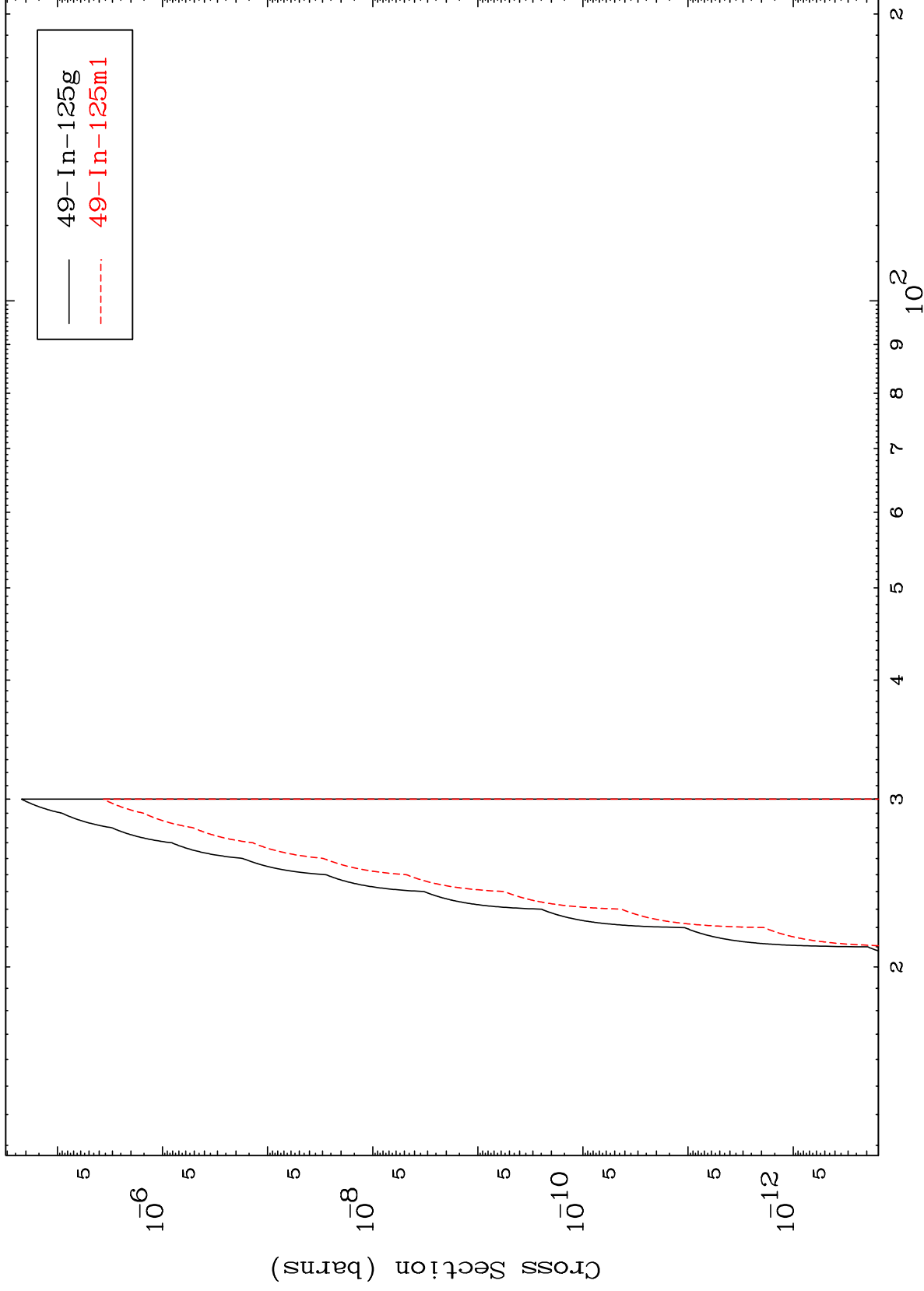


51-Sb-127

Incident Energy (MeV)

148

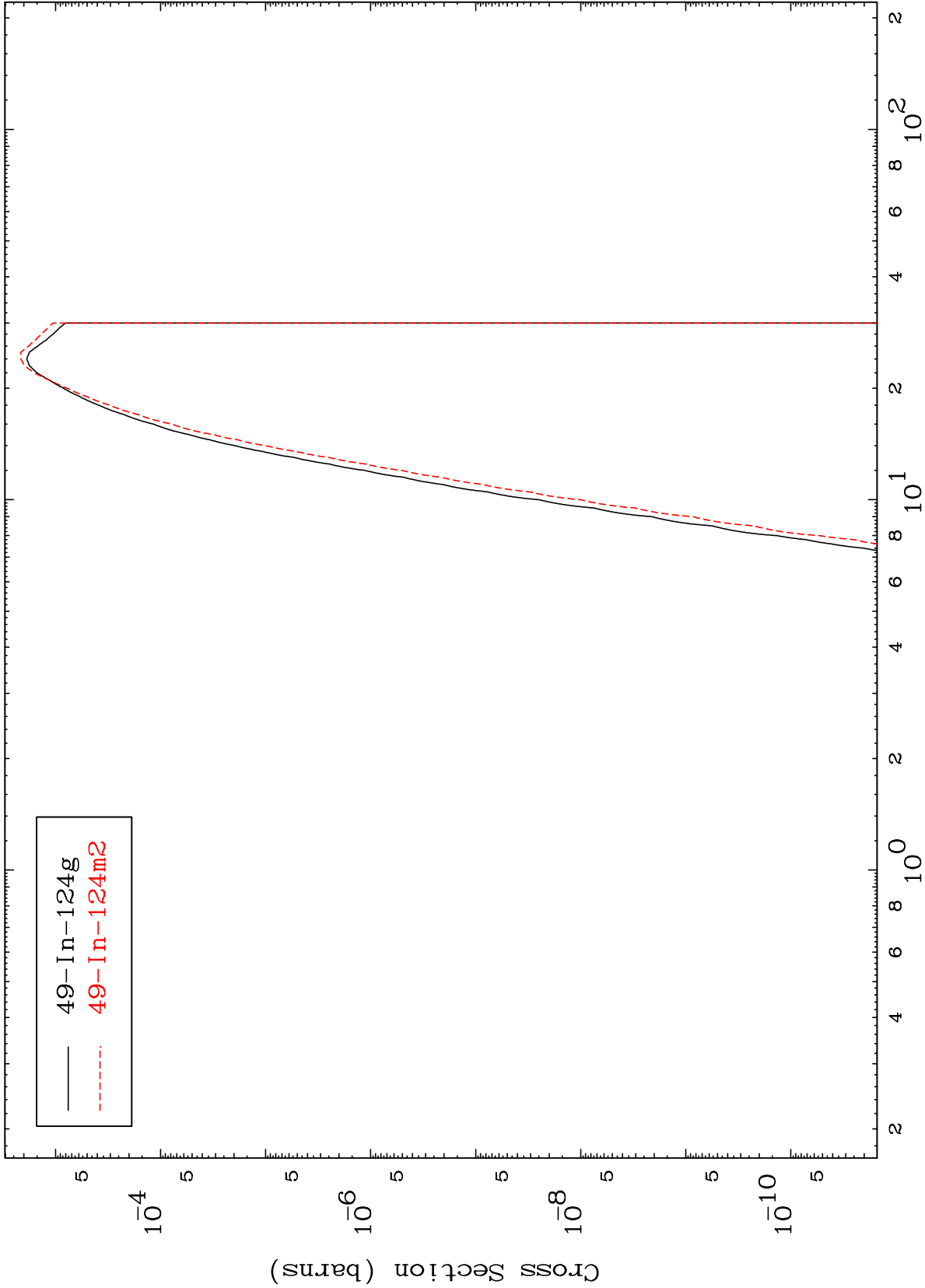
Radionuclide Production Cross Section



MAT 5143

51-Sb-127

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



51-Sb-127

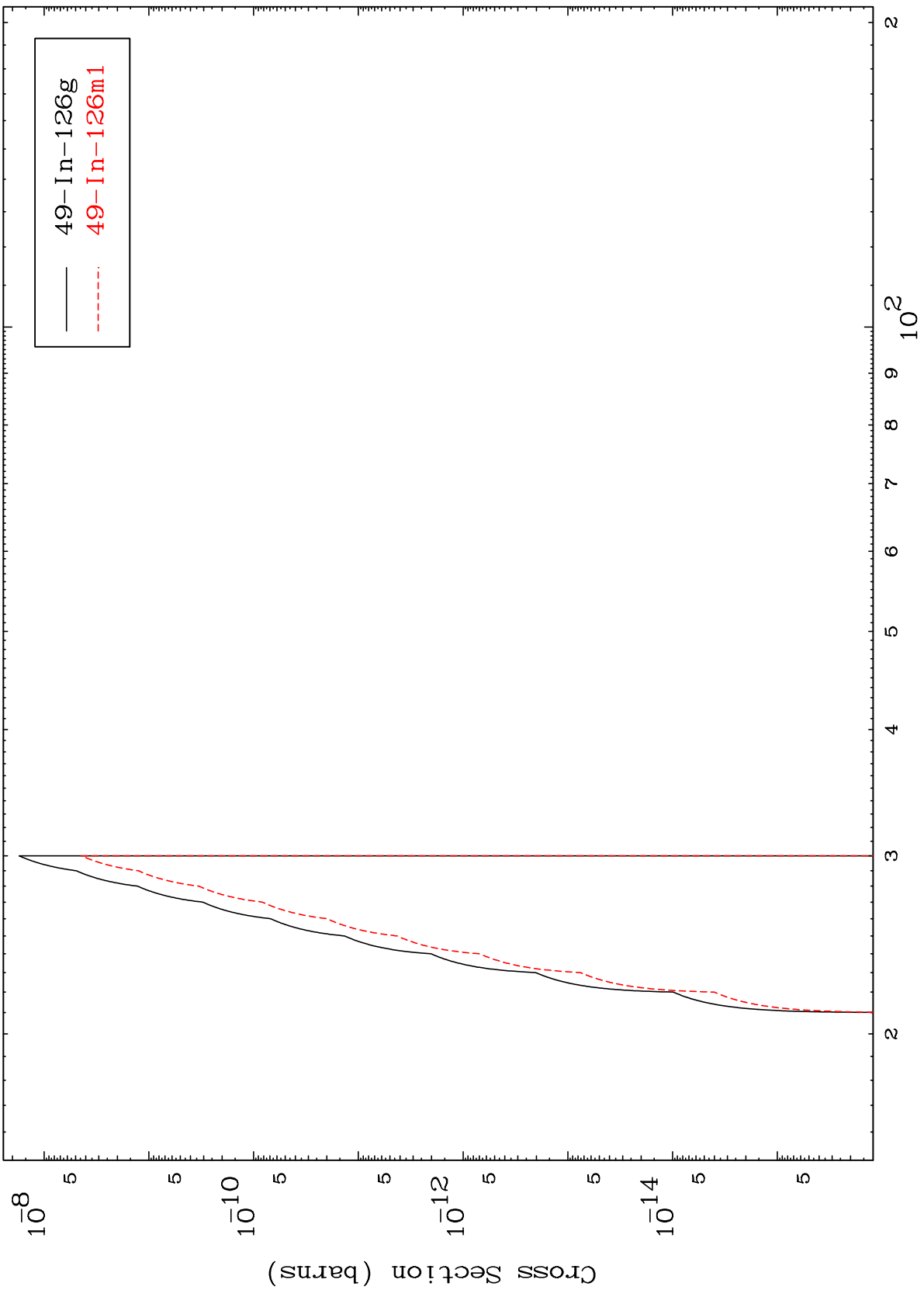
Incident Energy (MeV)

150

MAT 5143

51-Sb-127

(n,2p)  
Radionuclide Production Cross Section



49-In-126g  
49-In-126m1

151

51-Sb-127

Incident Energy (MeV)