

Program EVALPLOT  
(Version 2018-1)

by

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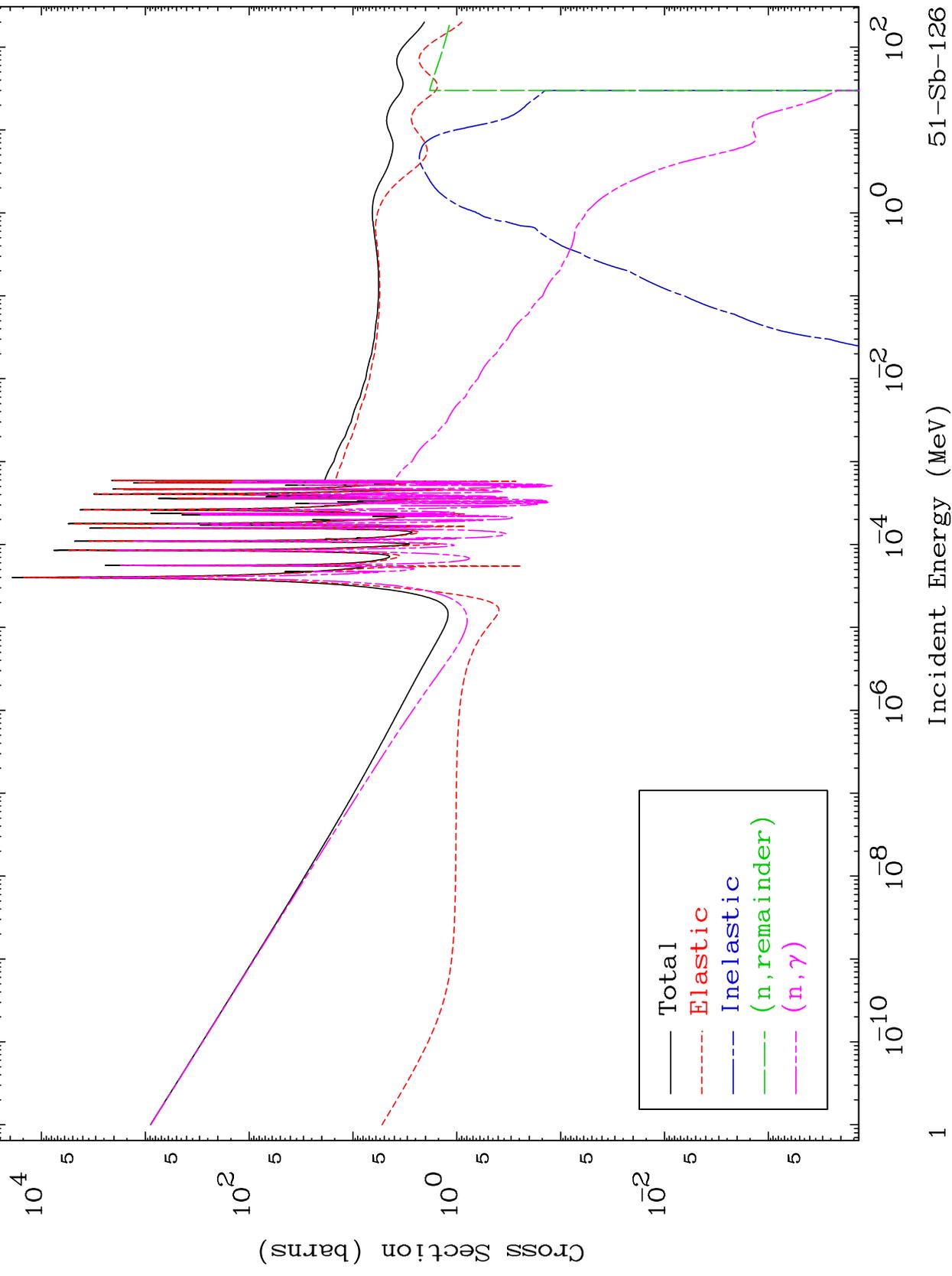
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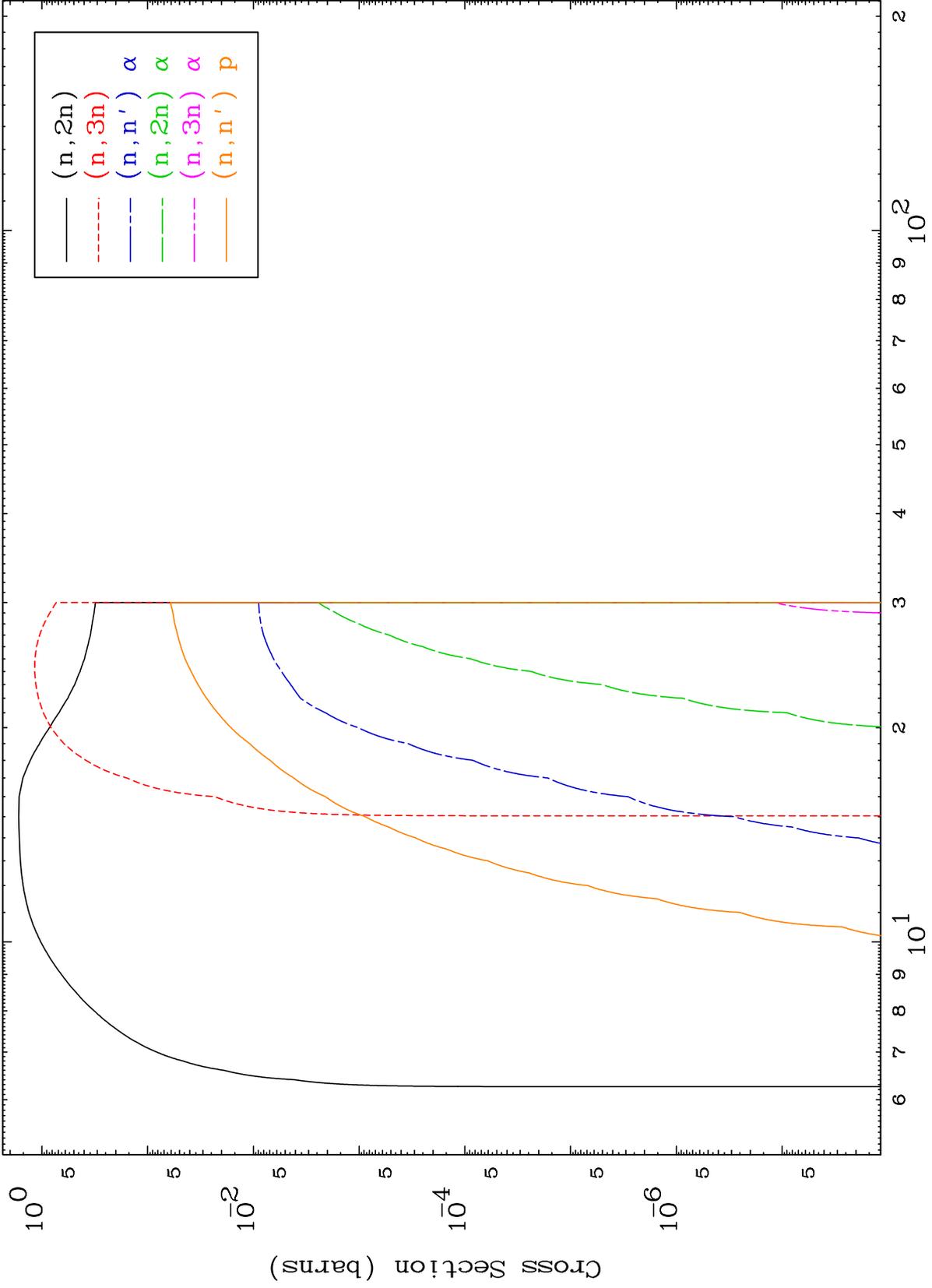
MAT 5140

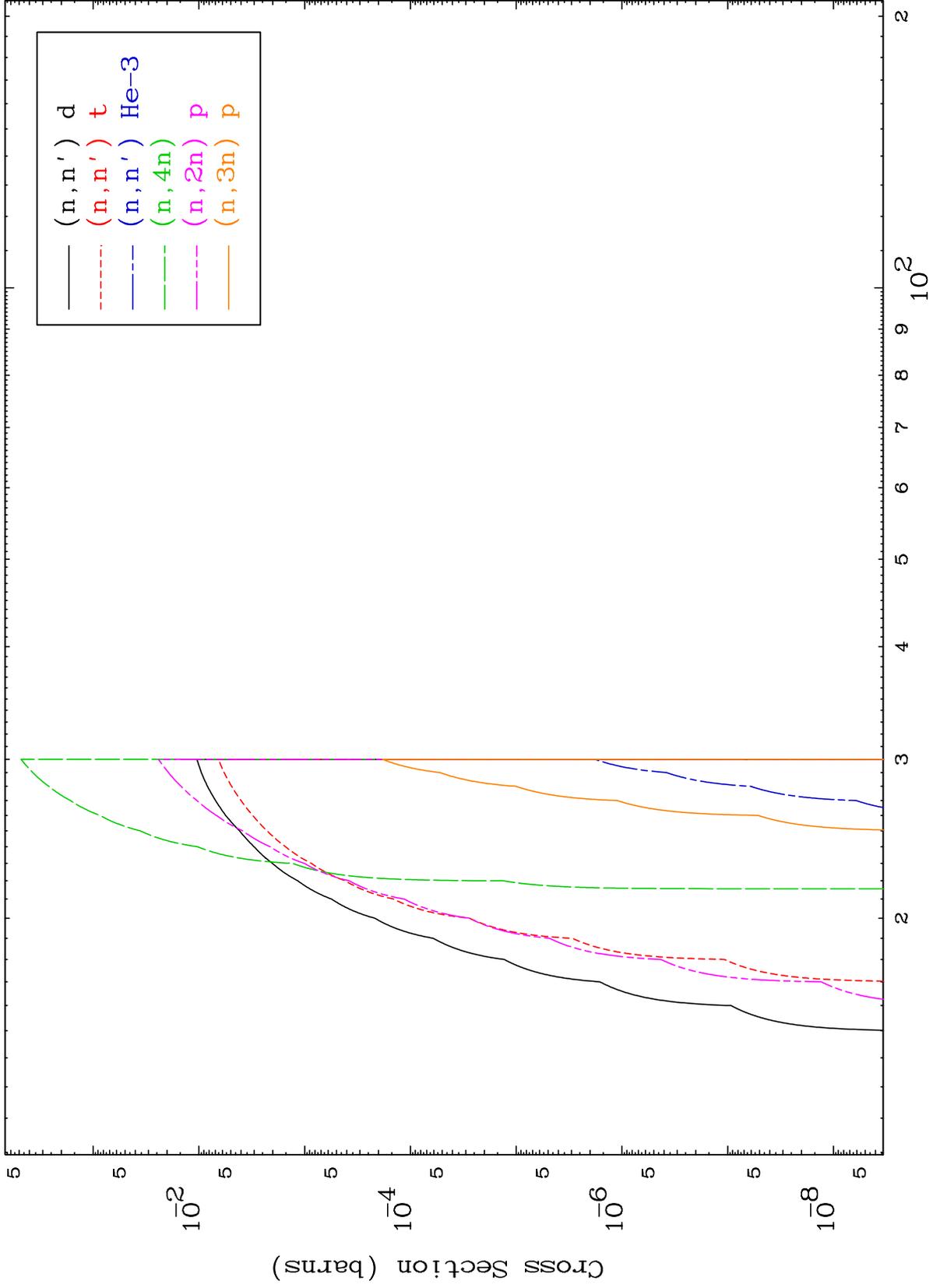
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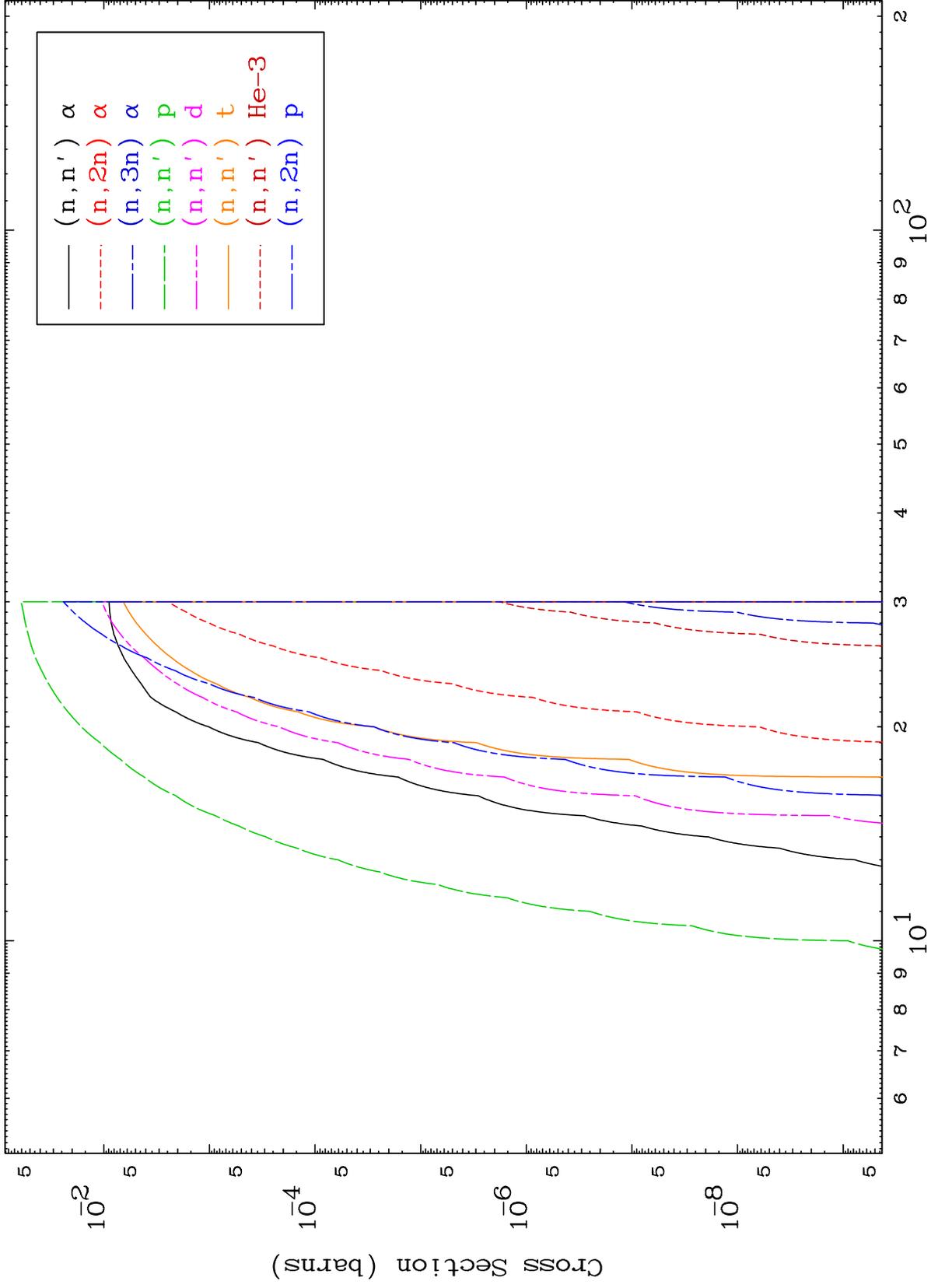
293 Kelvin Cross Sections

51-Sb-126





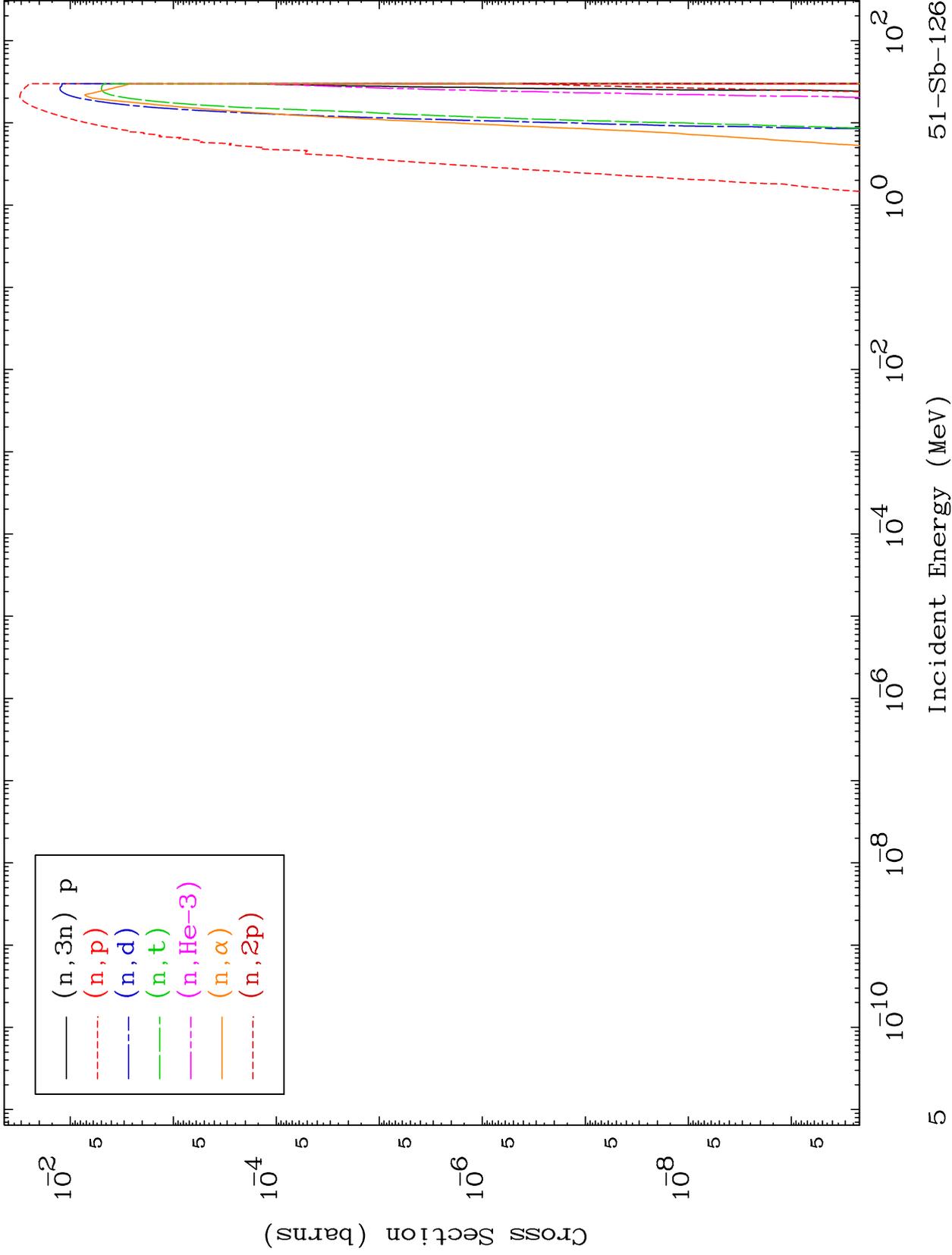




MAT 5140

Charged Particle  
293 Kelvin Cross Sections

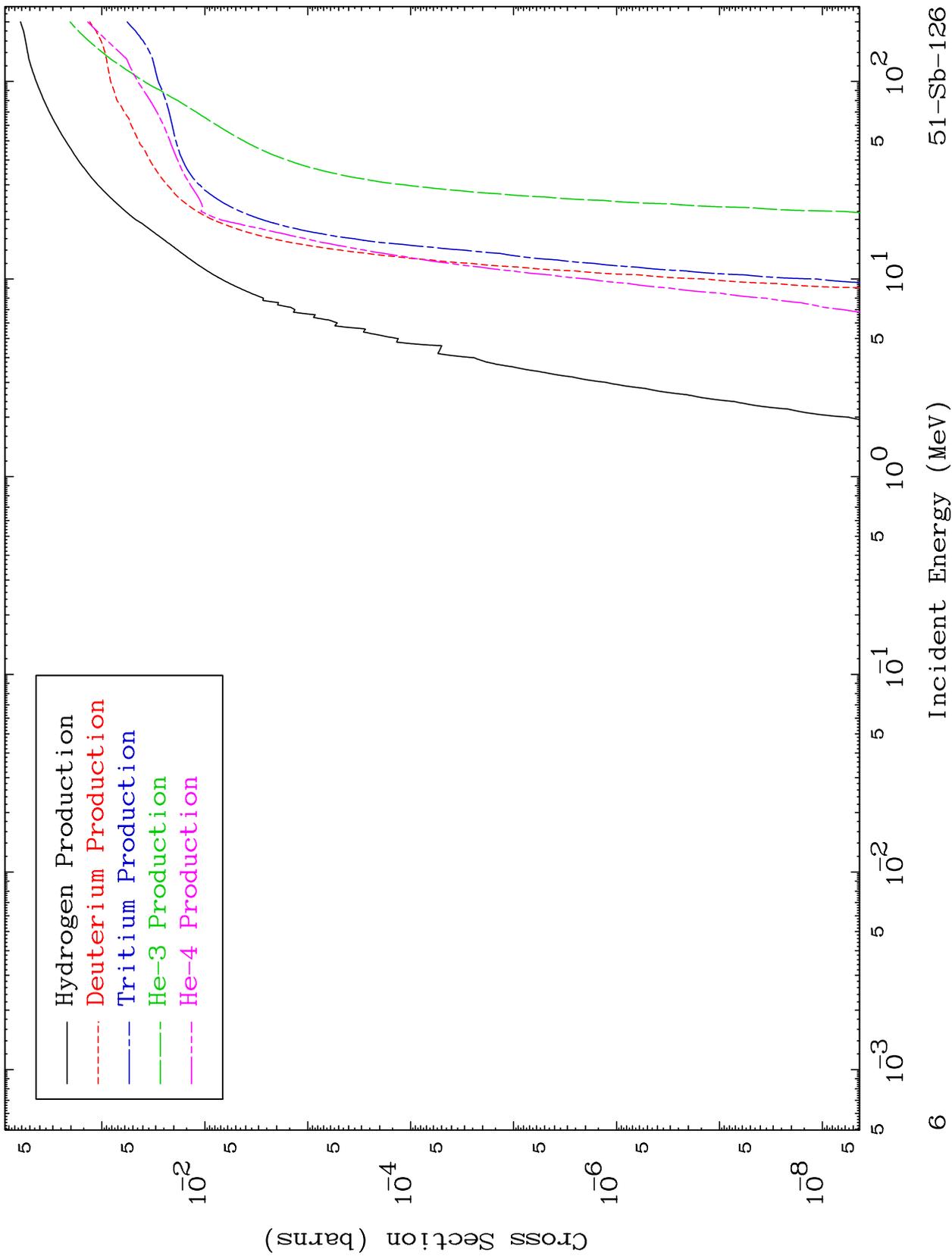
51-Sb-126



MAT 5140

Particle Production  
293 Kelvin Cross Sections

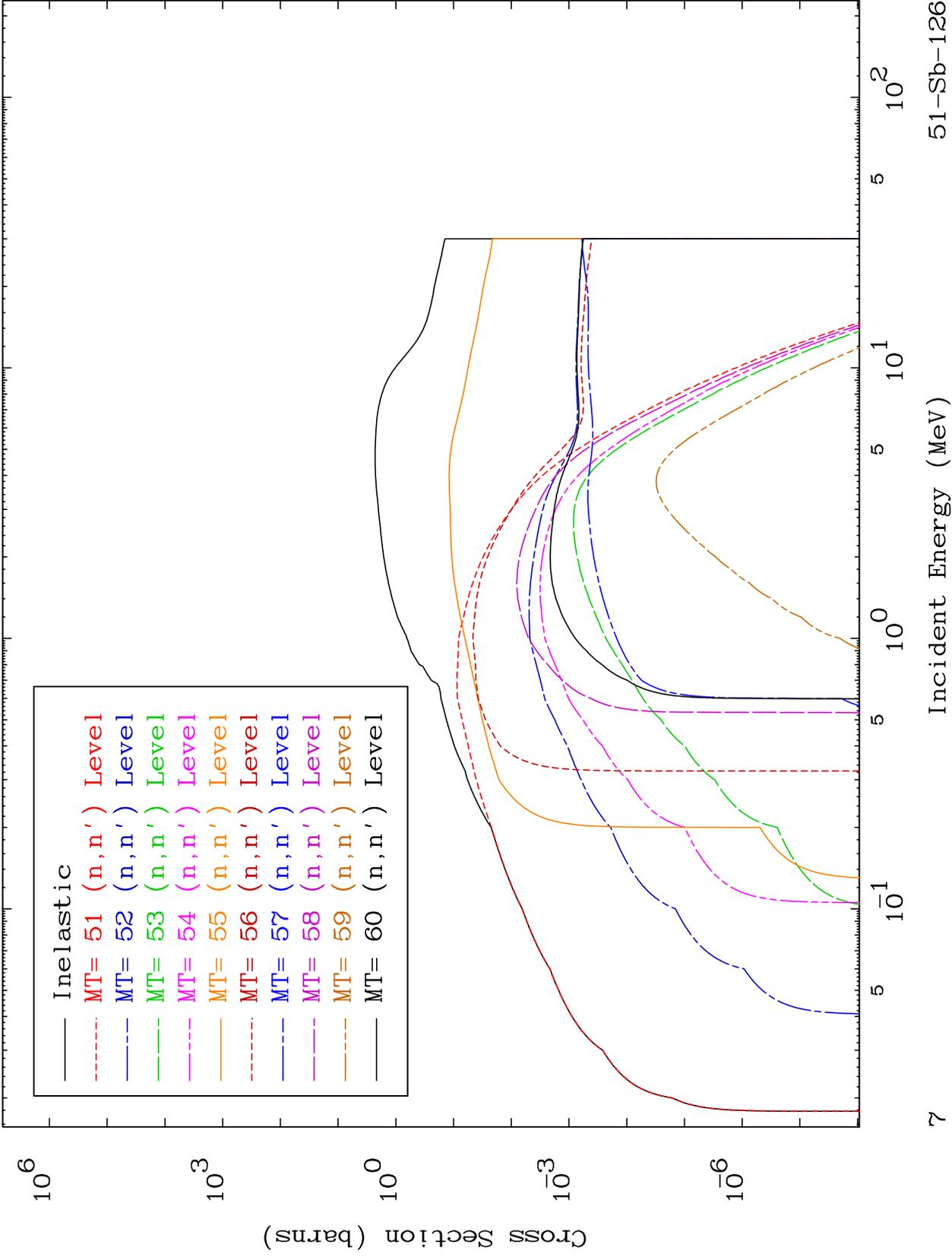
51-Sb-126



51-Sb-126

Incident Energy (MeV)

6

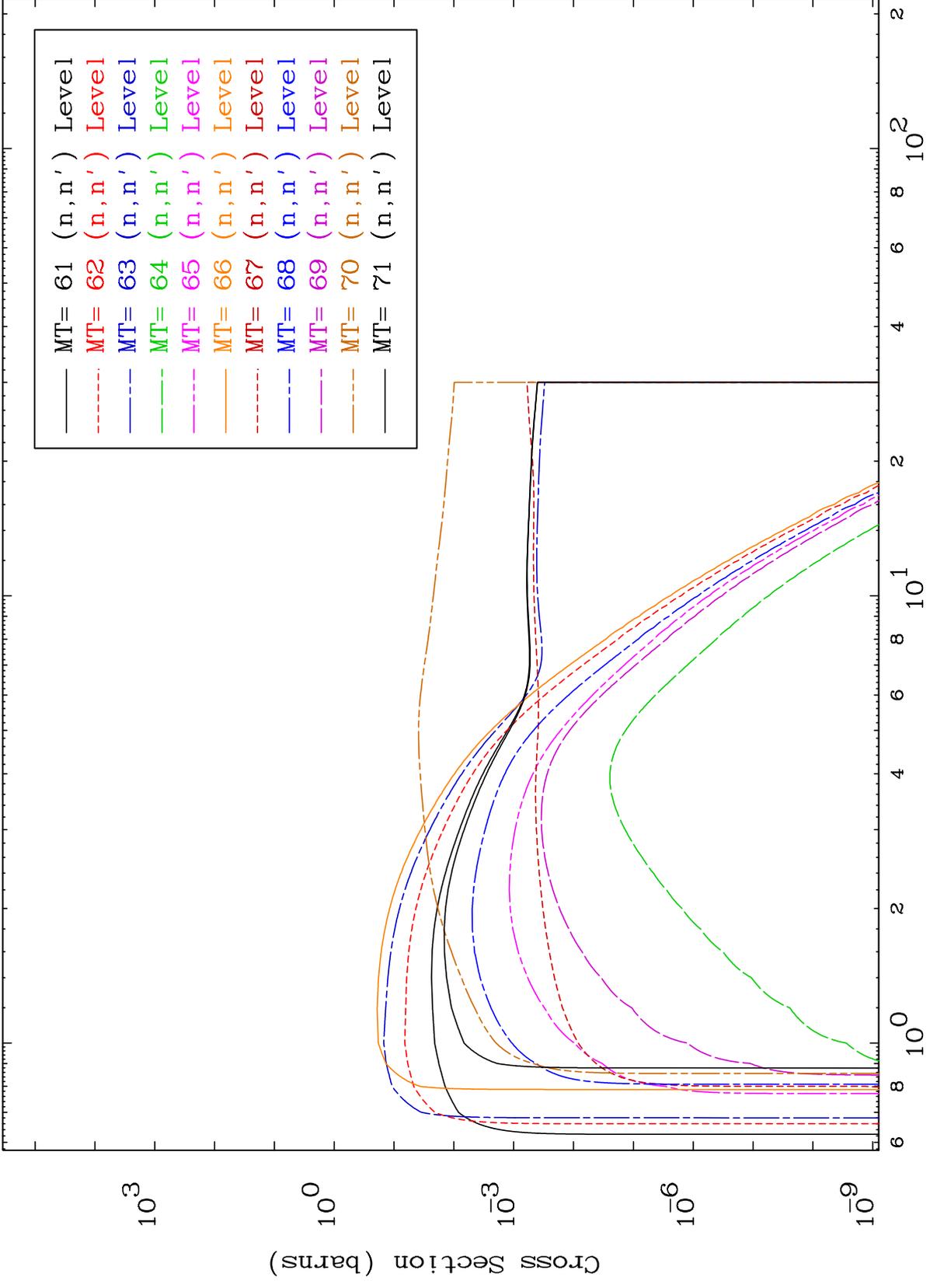


MAT 5140

(n,n') Level

51-Sb-126

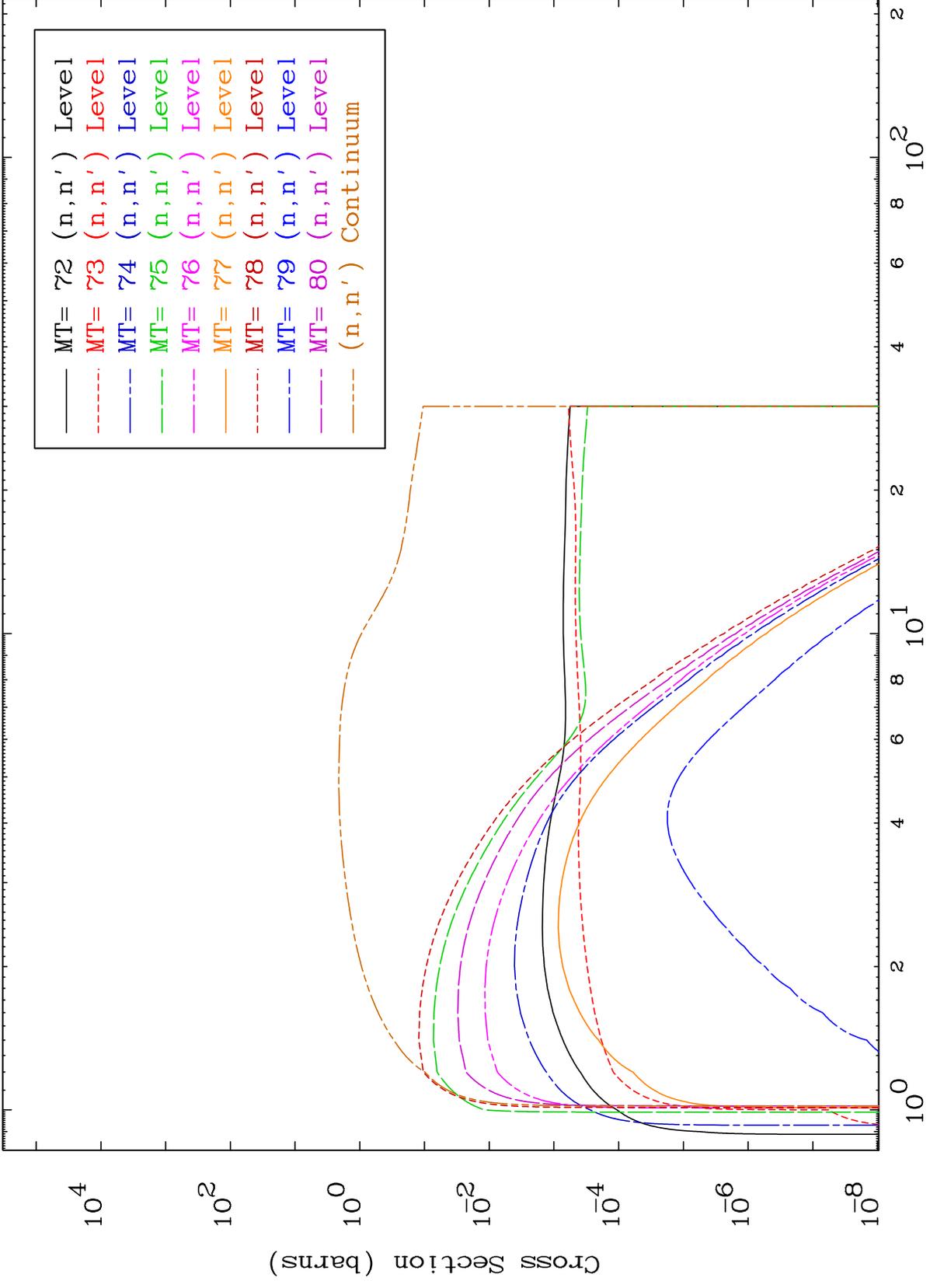
293 Kelvin Cross Sections



Incident Energy (MeV)

51-Sb-126

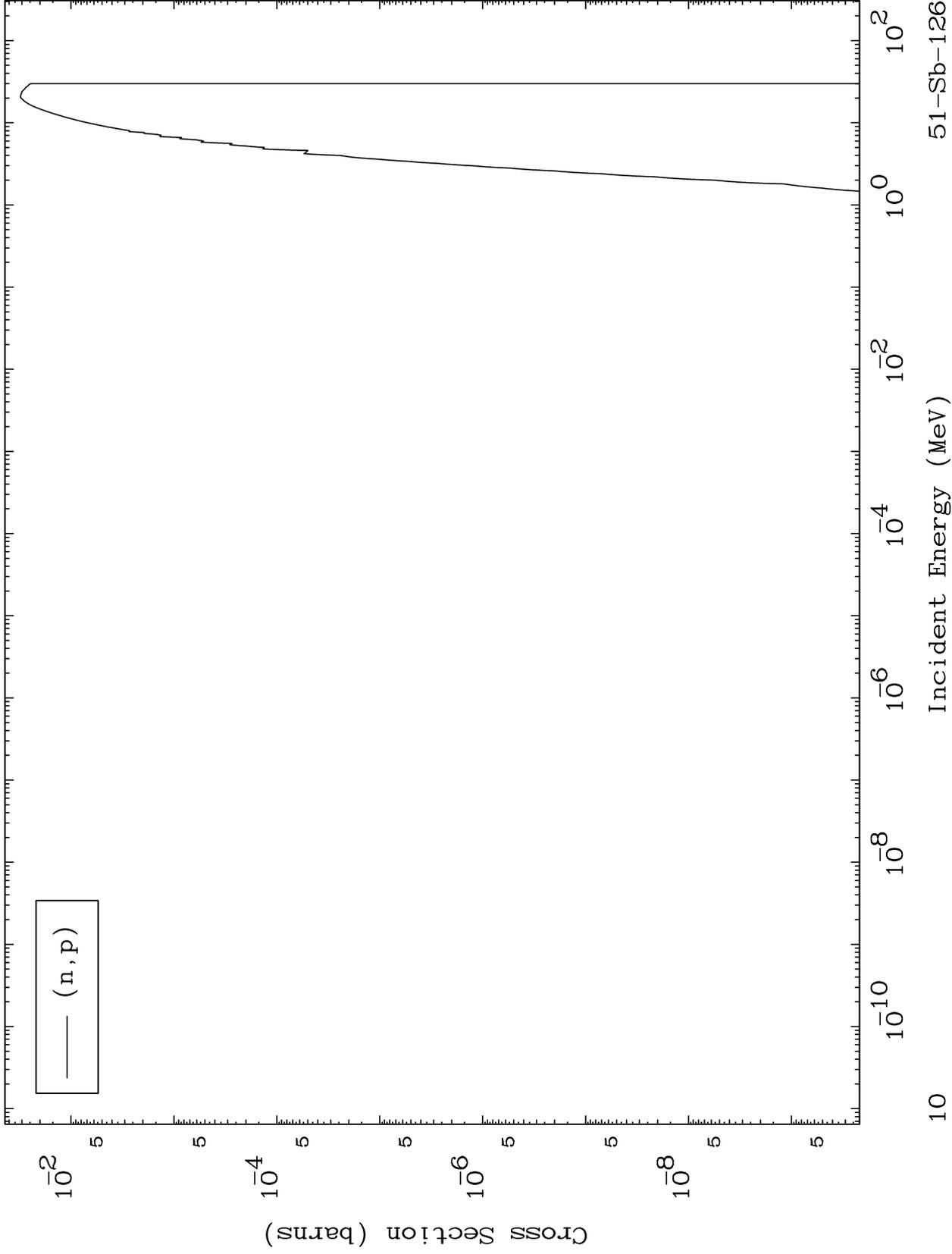
293 Kelvin Cross Sections



MAT 5140

(n,p) Levels  
293 Kelvin Cross Sections

51-Sb-126



10

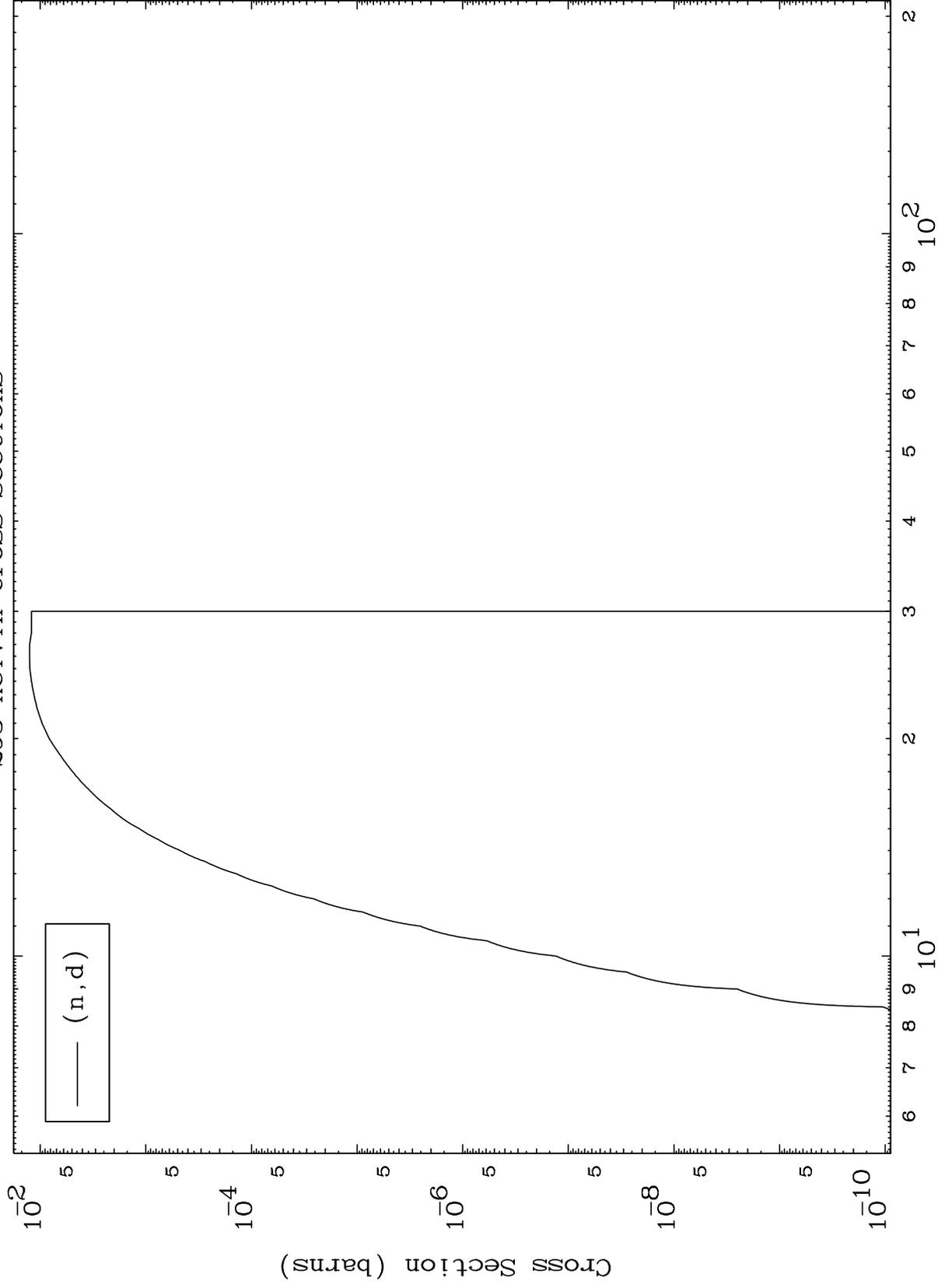
Incident Energy (MeV)

51-Sb-126

MAT 5140

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-126



11

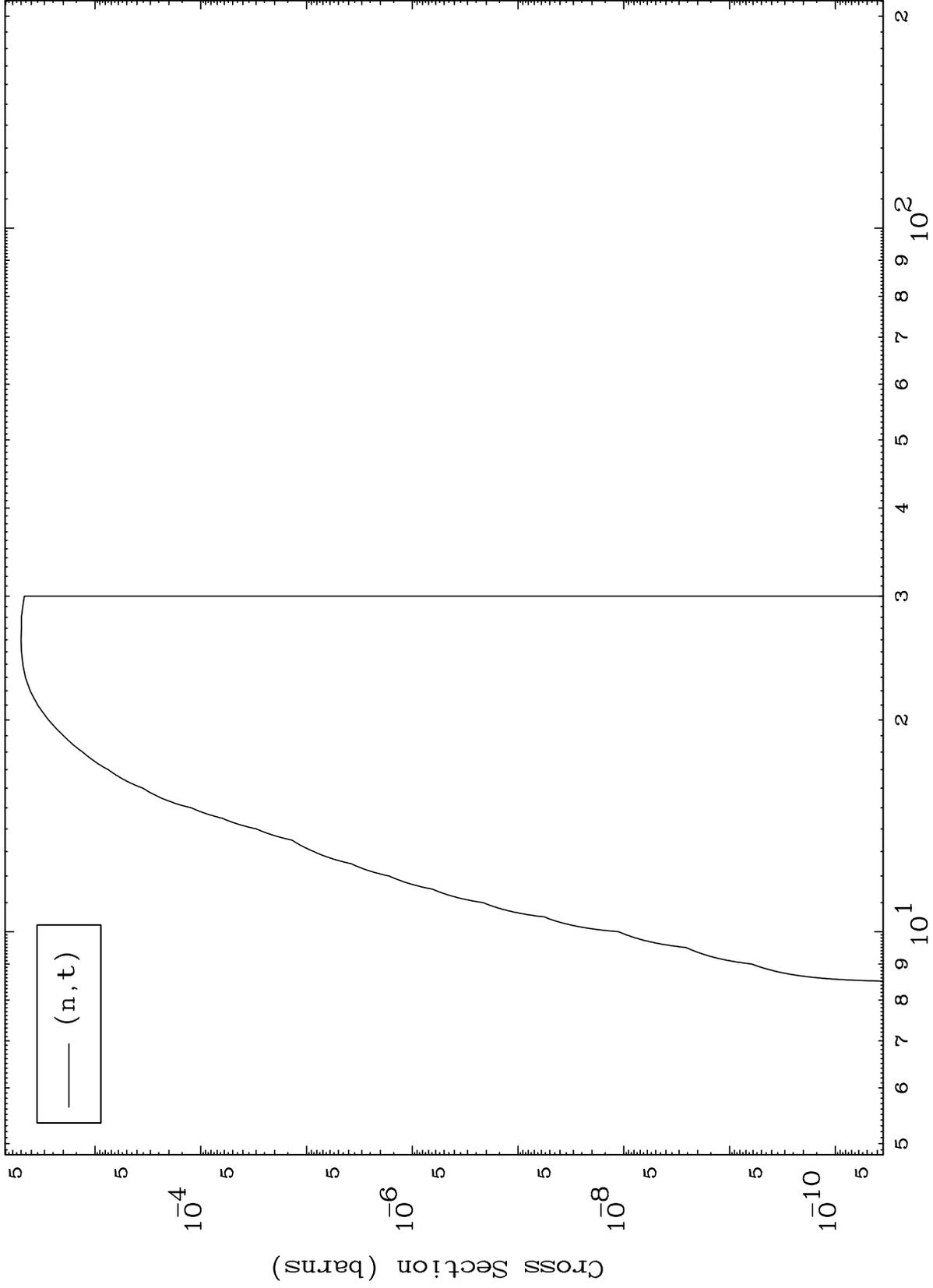
Incident Energy (MeV)

51-Sb-126

MAT 5140

(n,t) Levels  
293 Kelvin Cross Sections

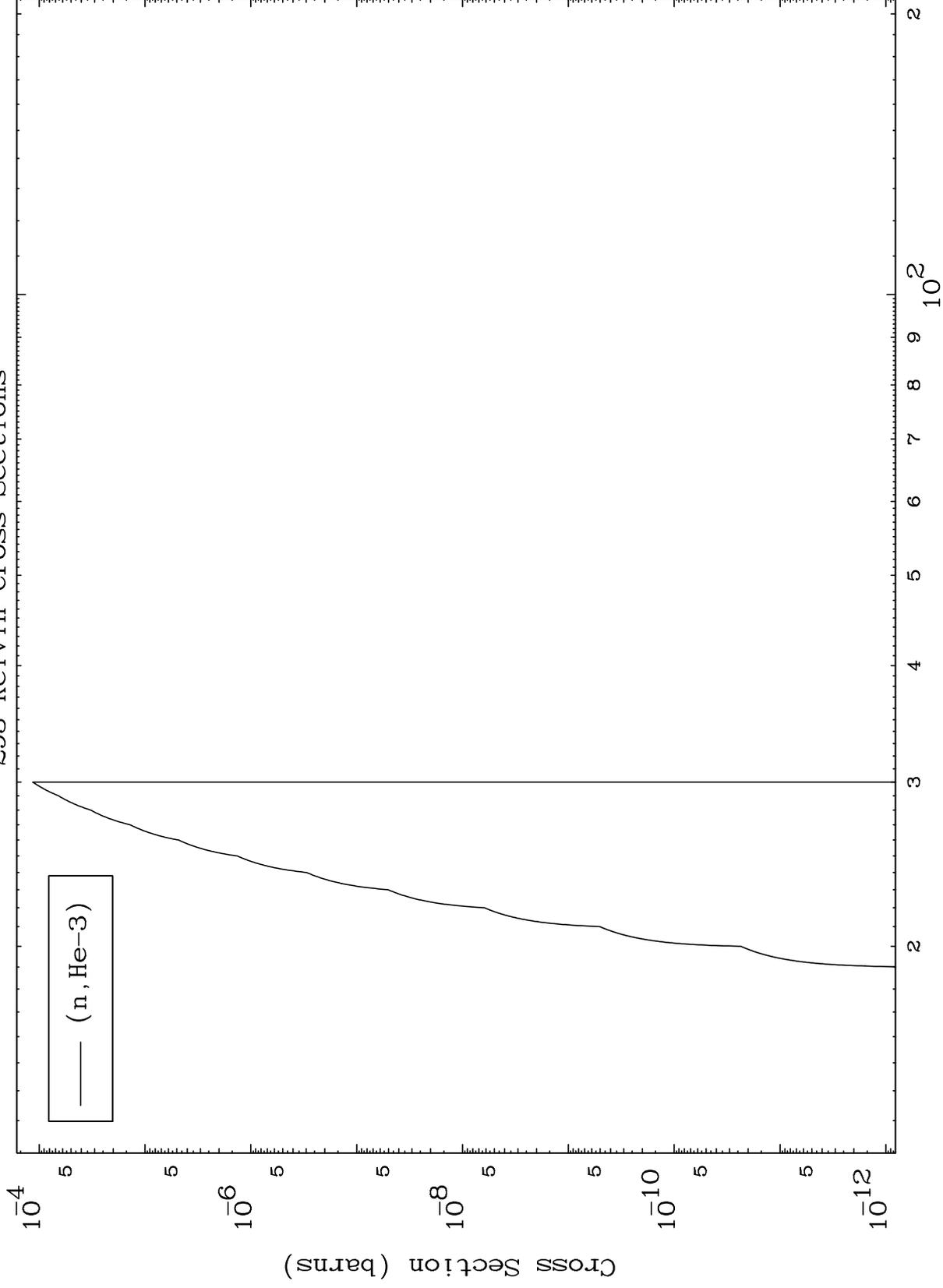
51-Sb-126

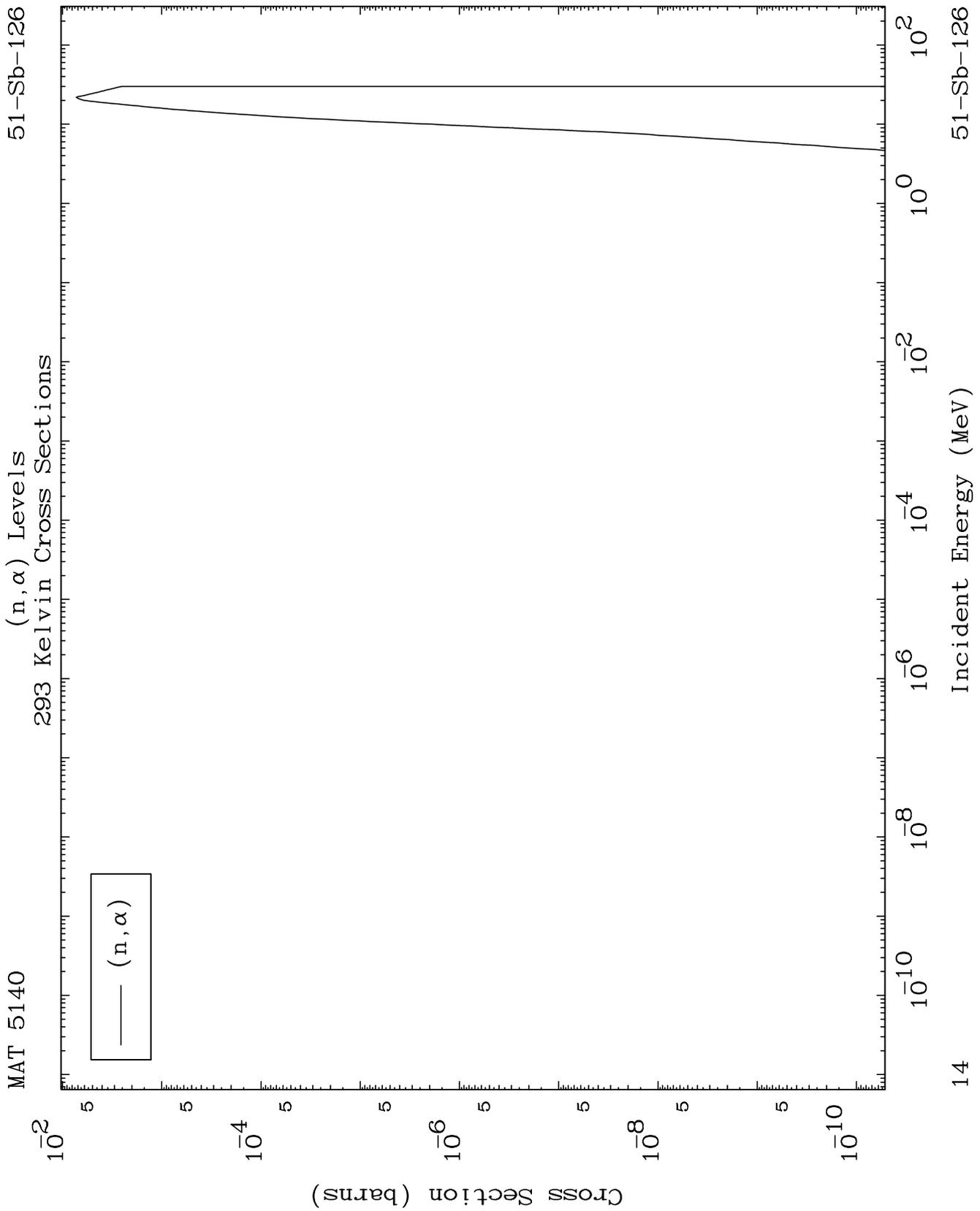


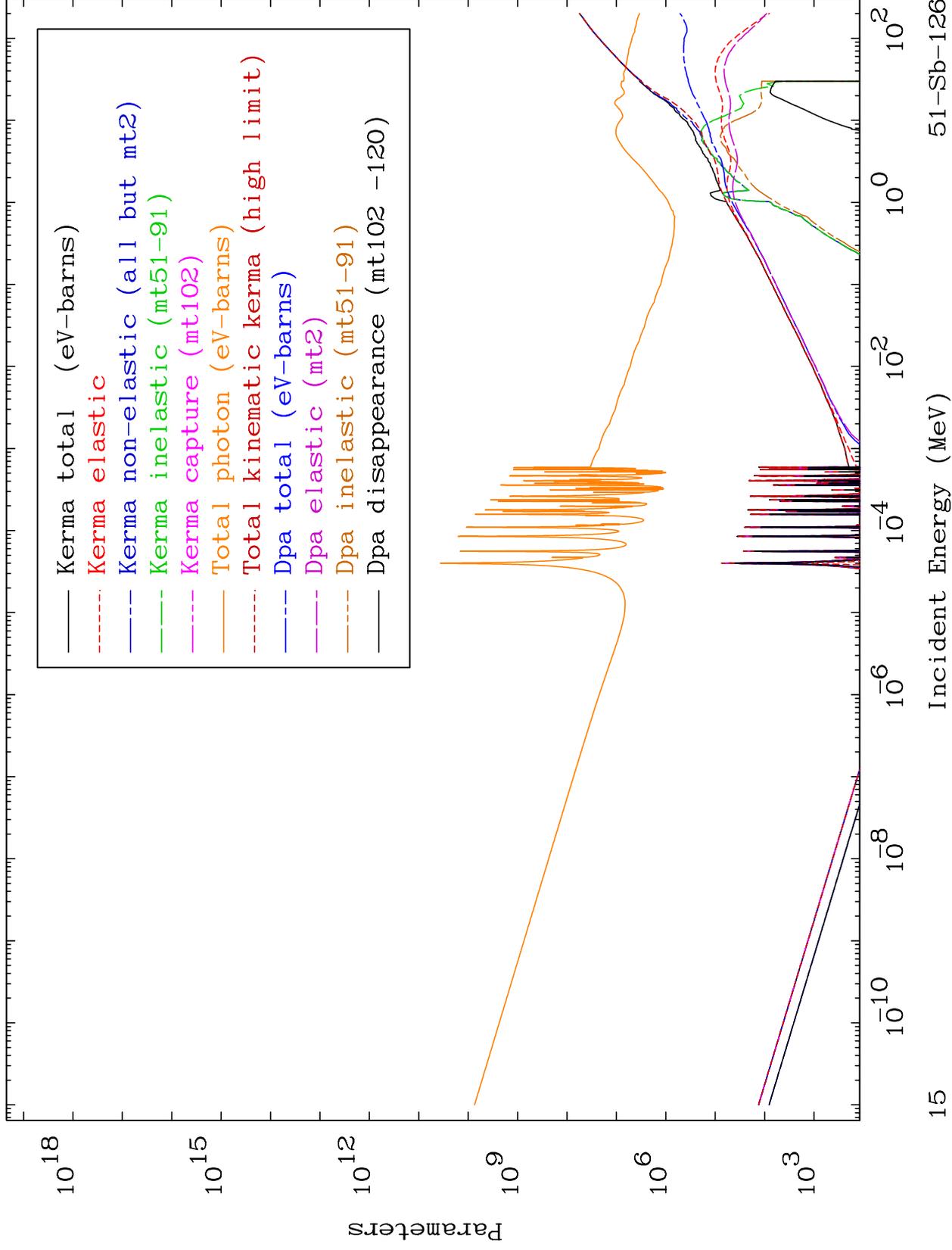
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Incident Energy (MeV)

51-Sb-126



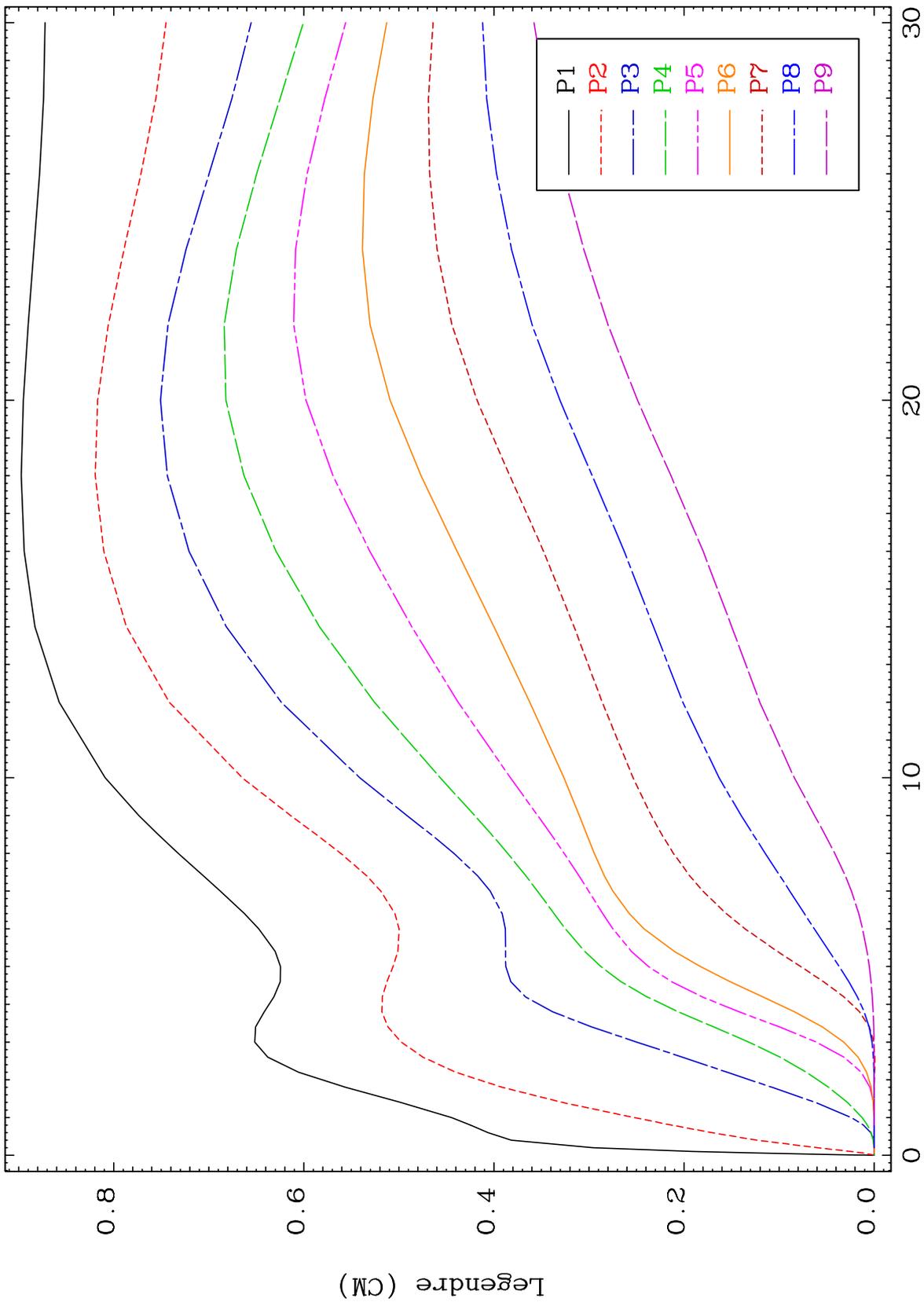




MAT 5140

51-Sb-126

Elastic Legendre Coefficients



51-Sb-126

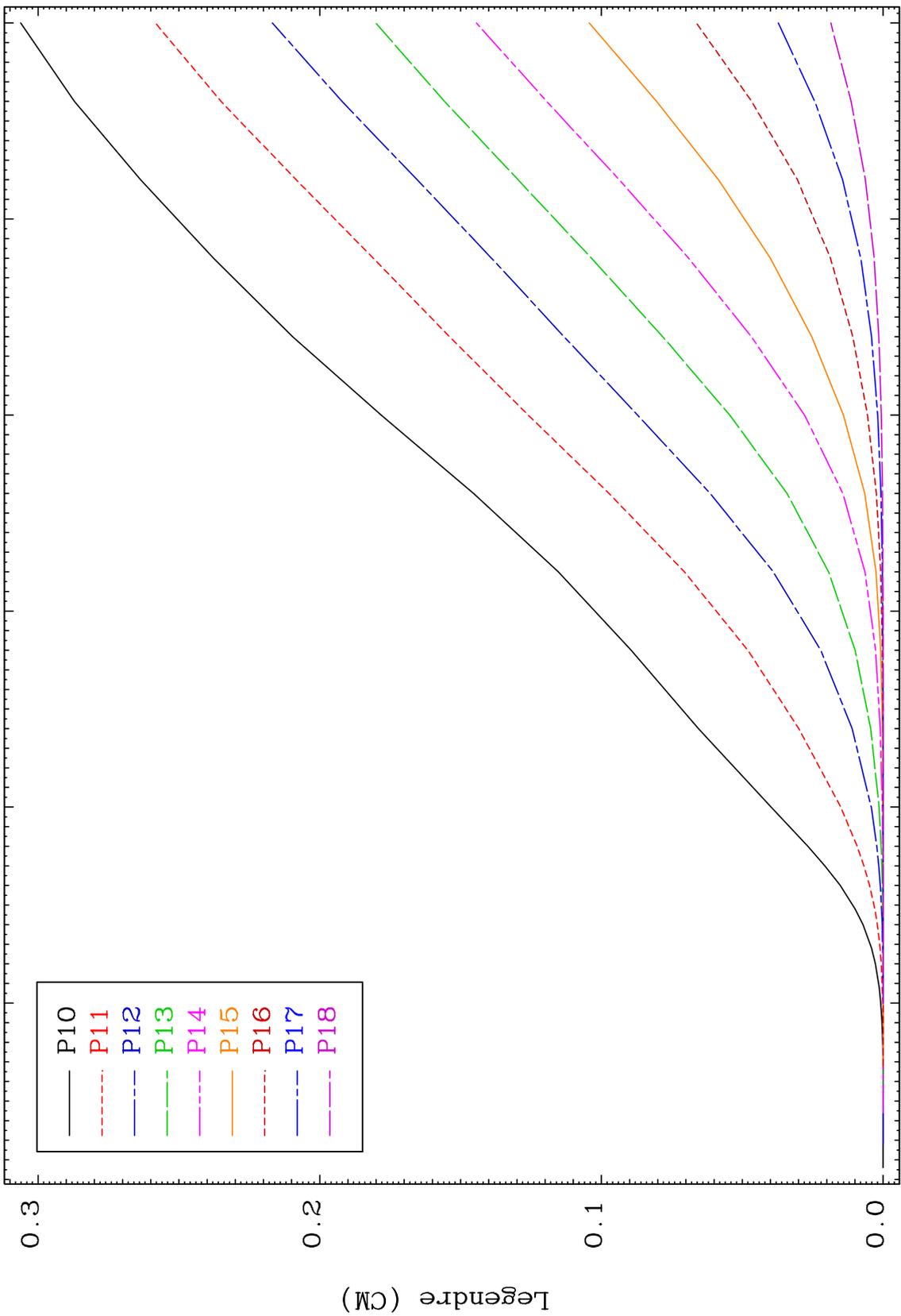
Incident Energy (MeV)

16

MAT 5140

Elastic Legendre Coefficients

51-Sb-126



17

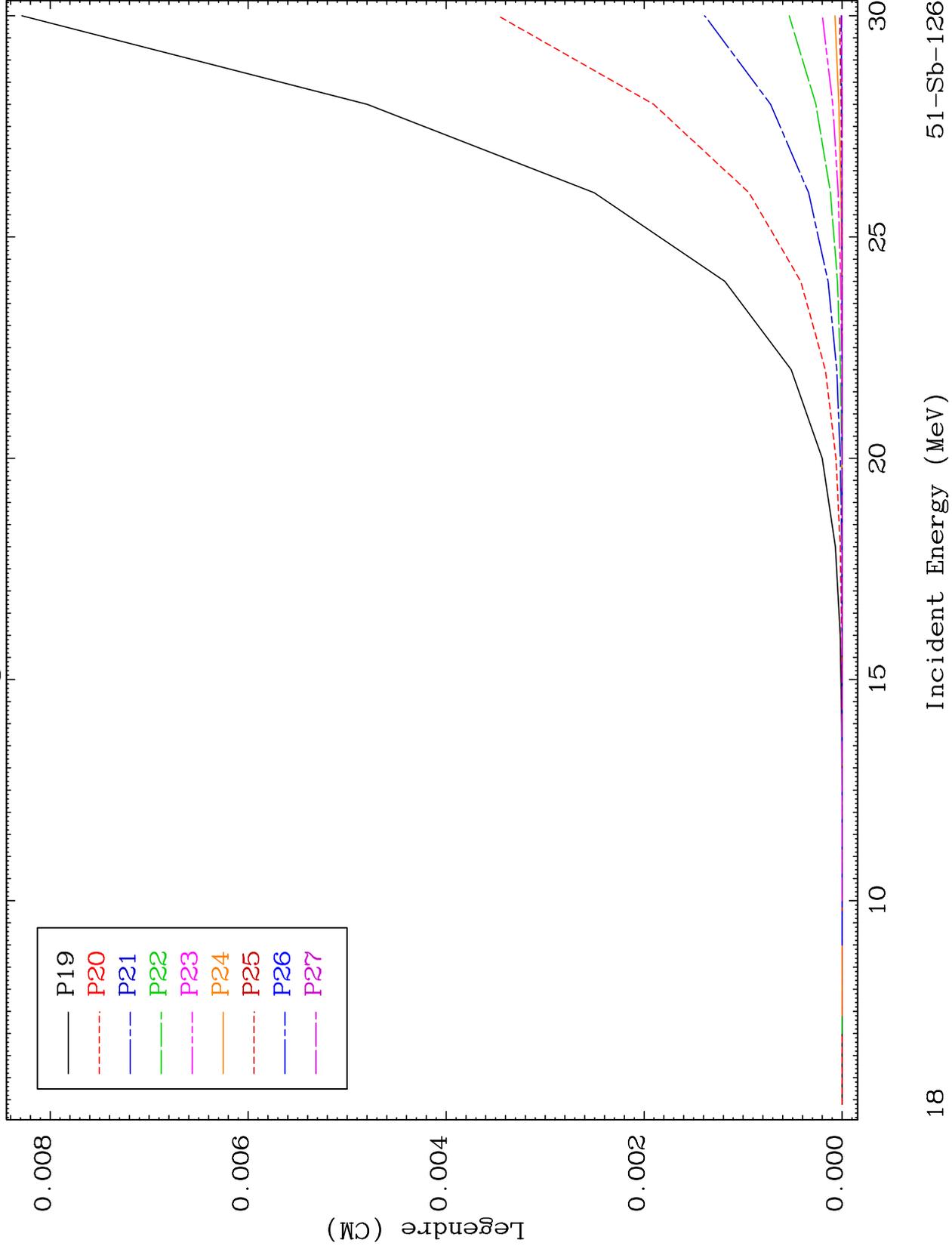
Incident Energy (MeV)

51-Sb-126

MAT 5140

### Elastic Legendre Coefficients

51-Sb-126



18

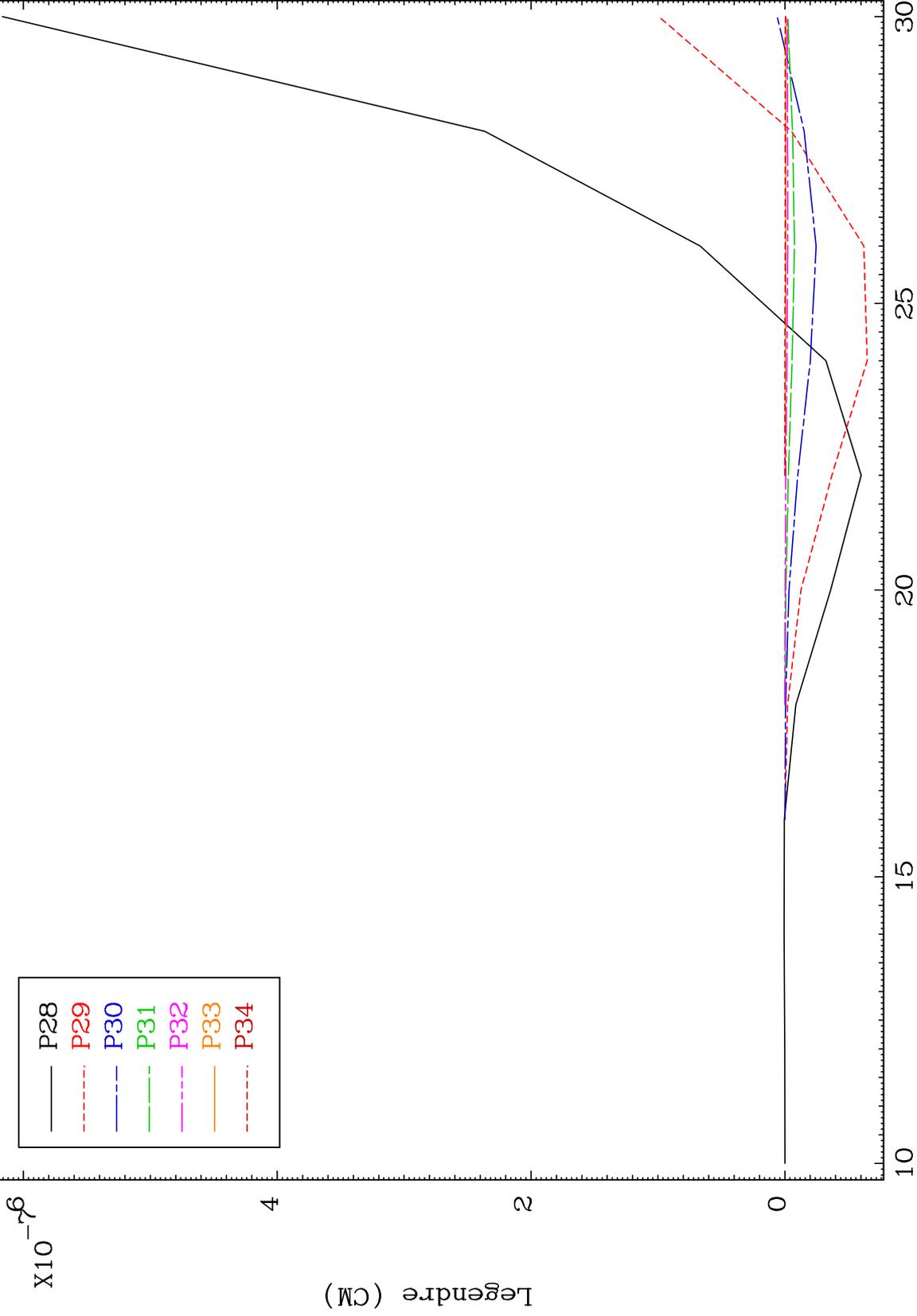
Incident Energy (MeV)

51-Sb-126

MAT 5140

Elastic Legendre Coefficients

51-Sb-126



19

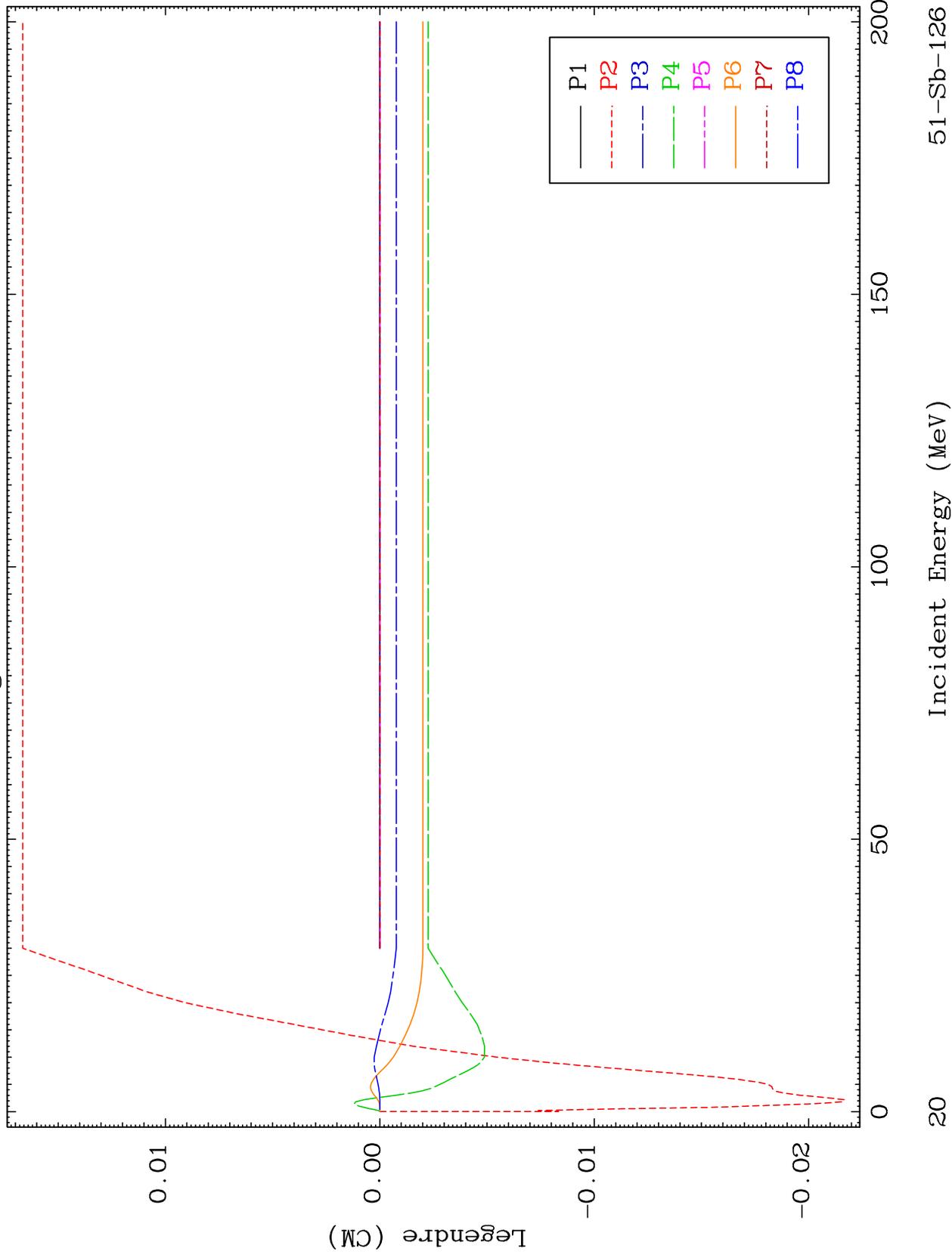
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



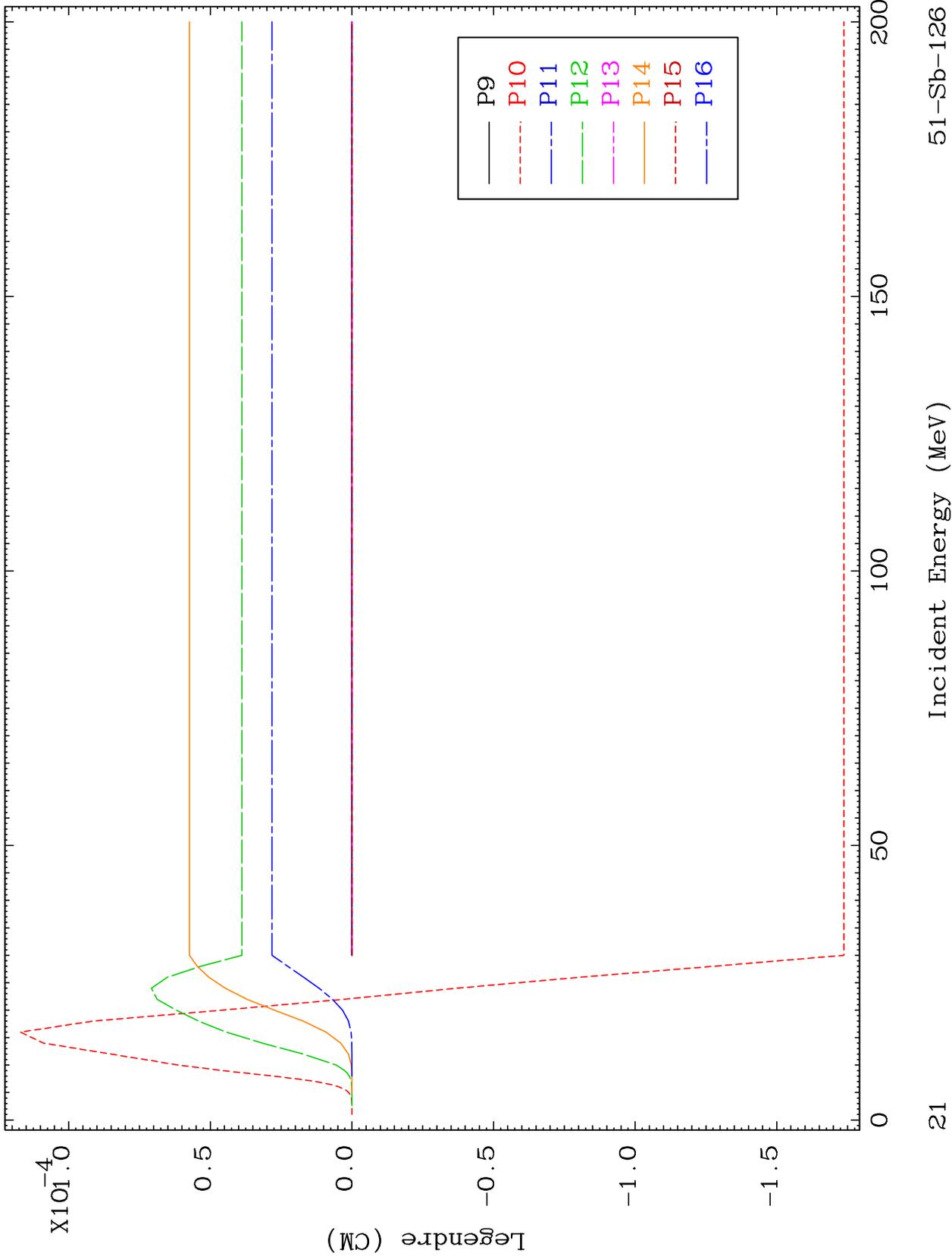
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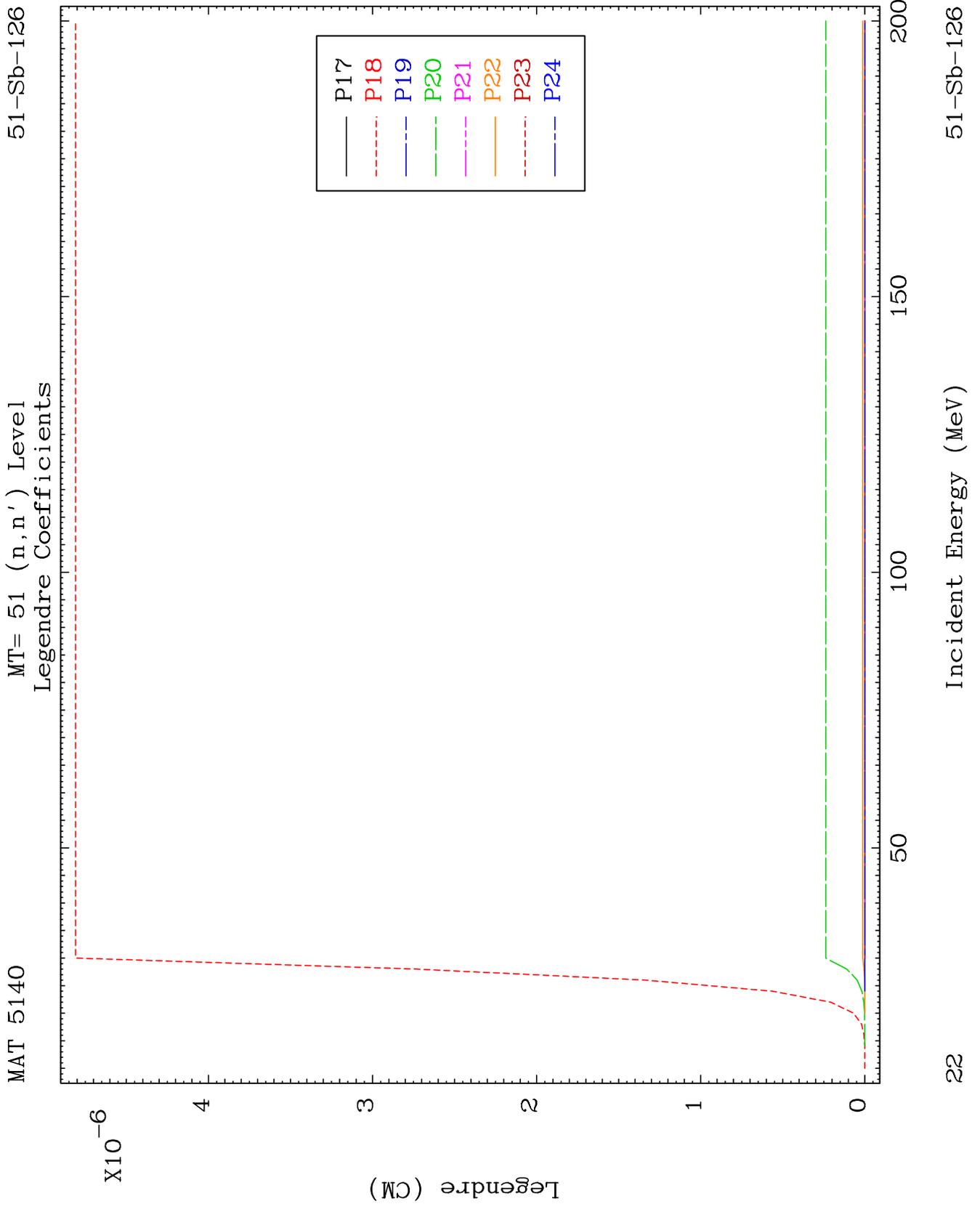
Incident Energy (MeV)

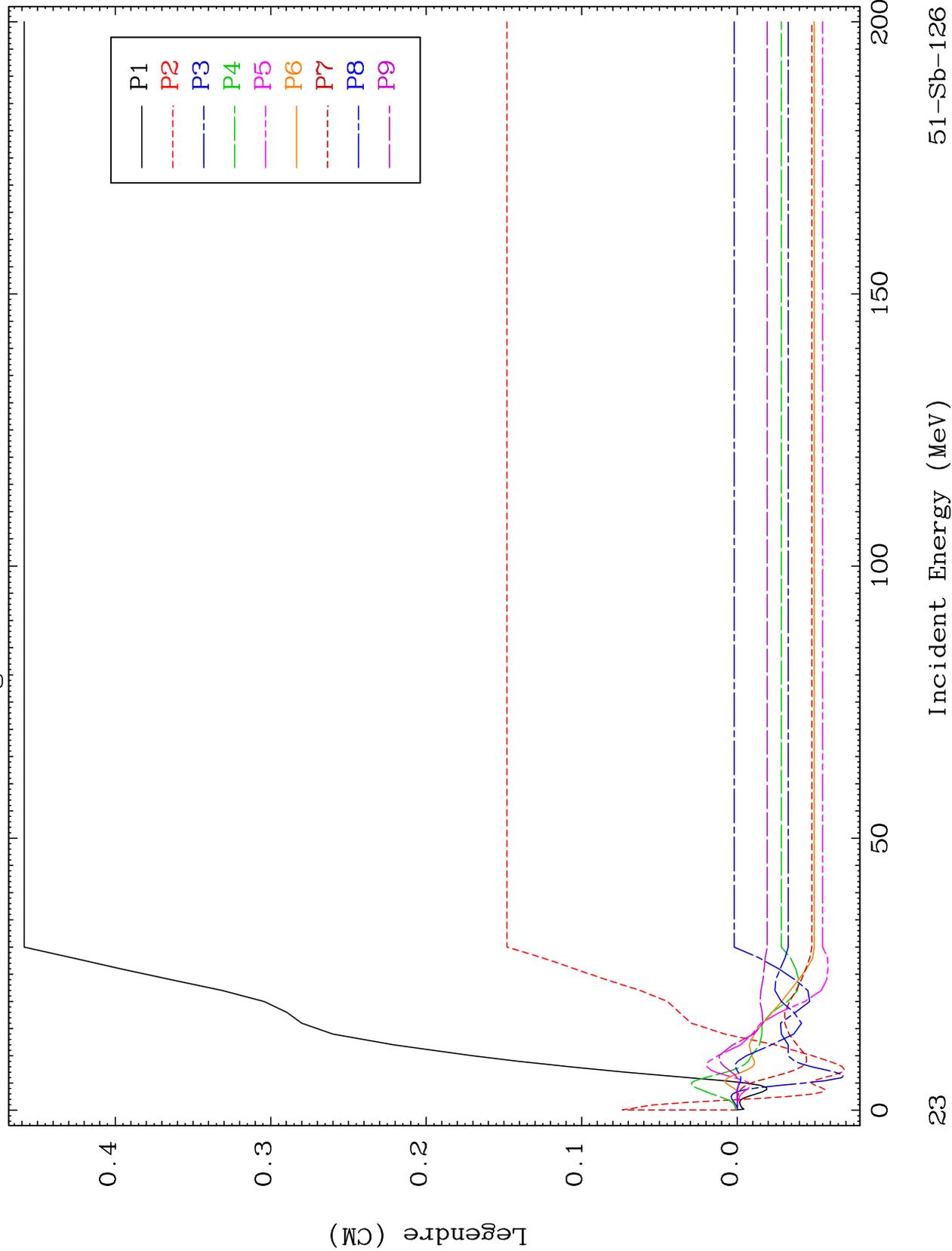
MAT 5140

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

51-Sb-126



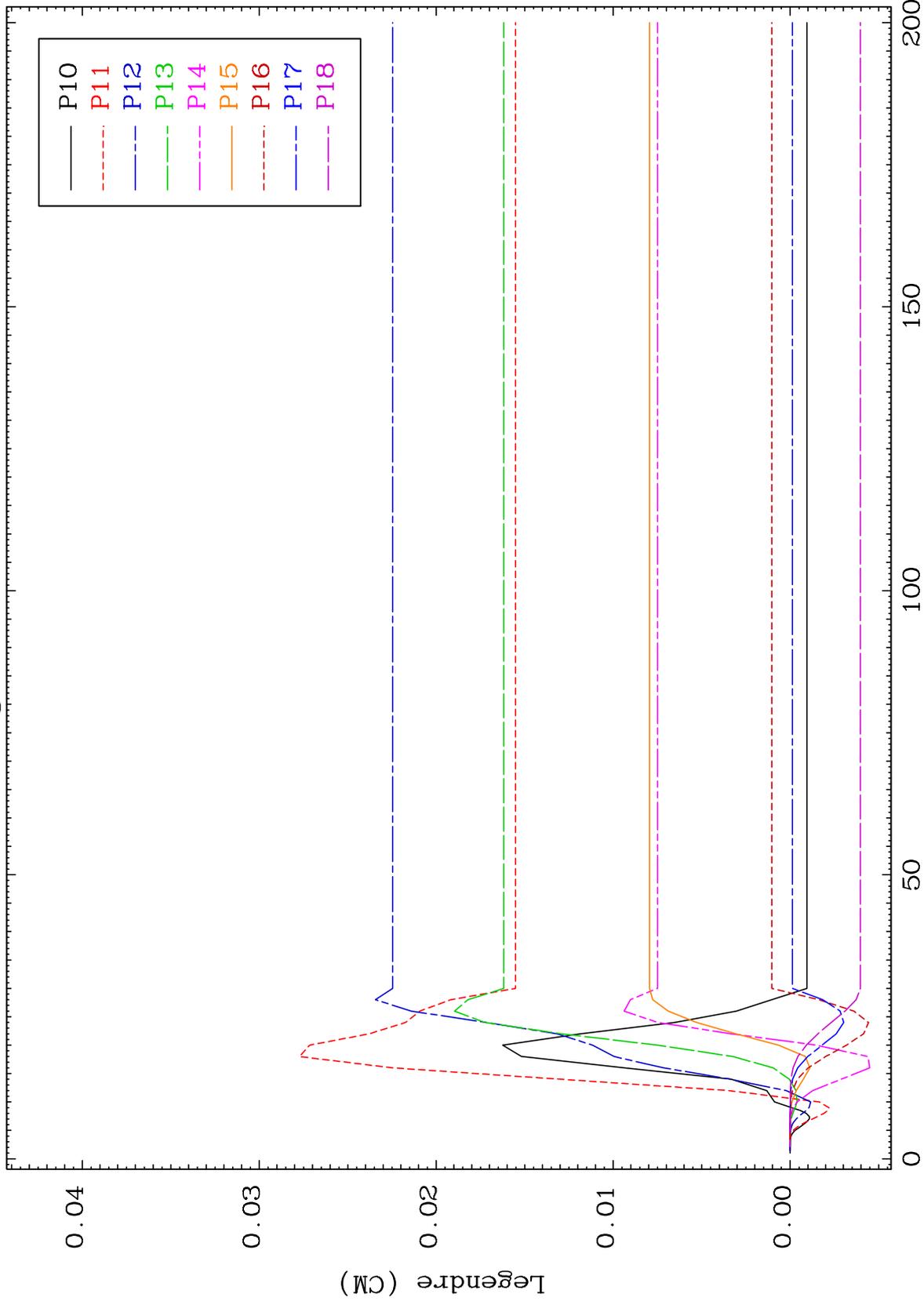




MAT 5140

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

51-Sb-126



24

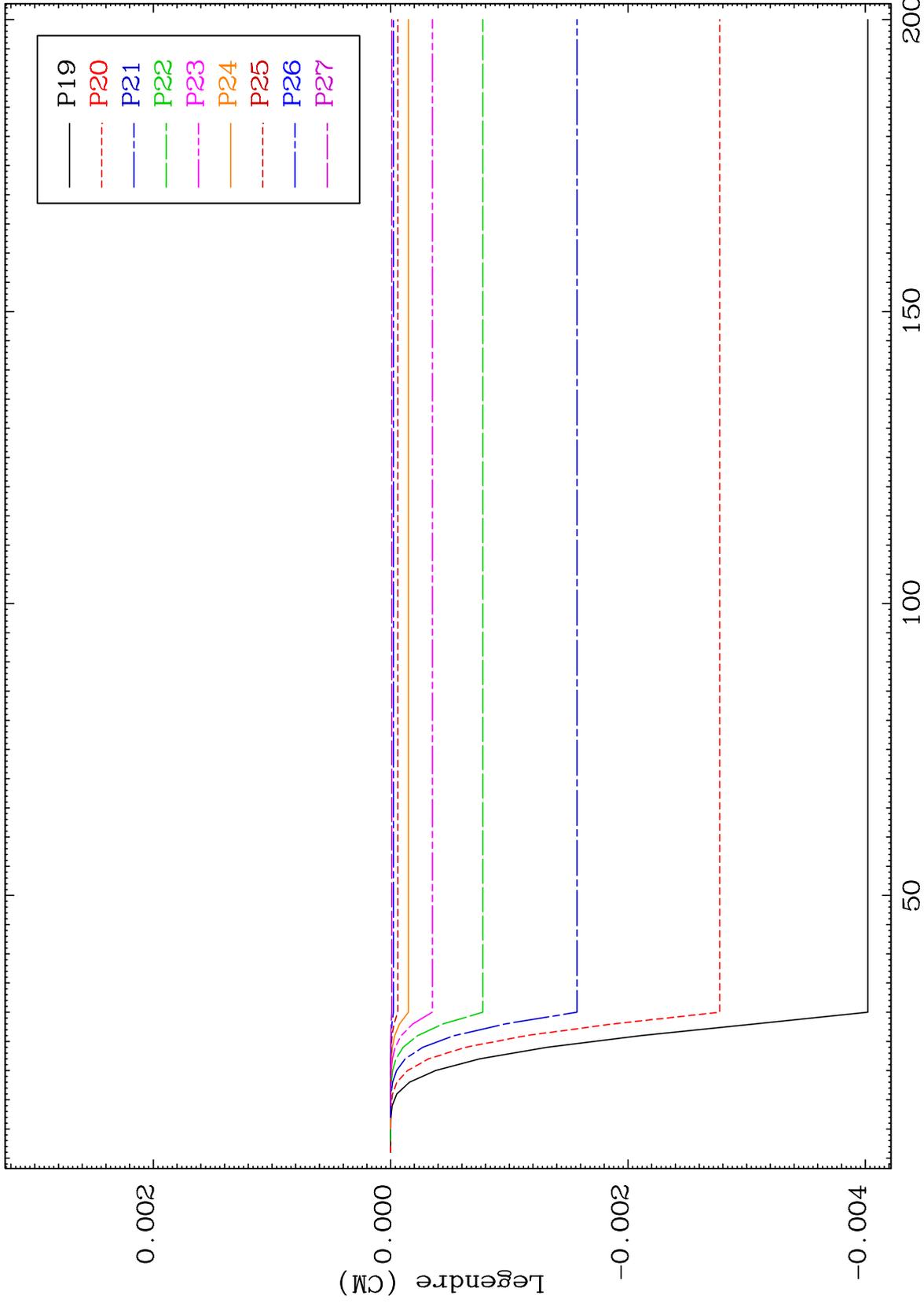
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

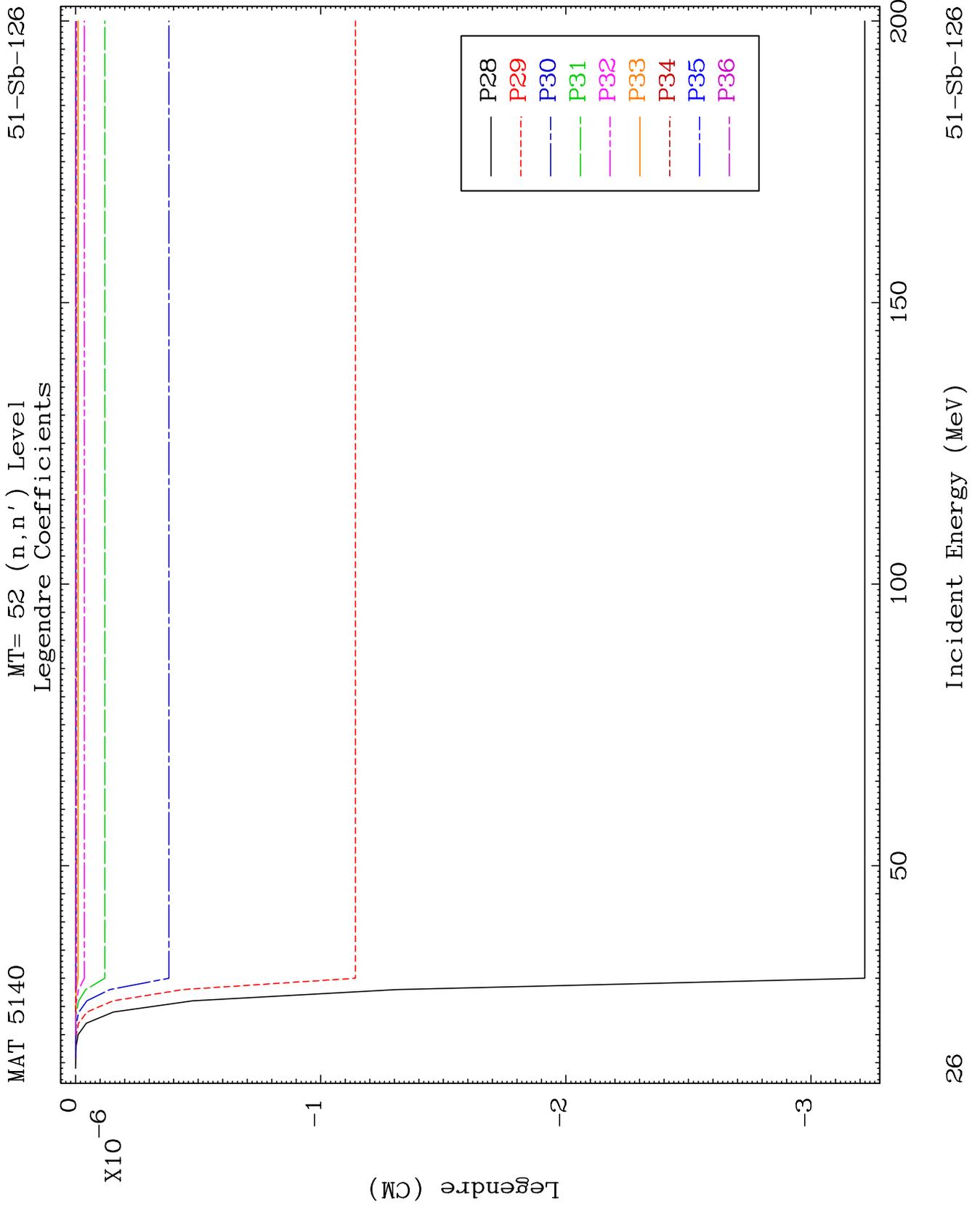
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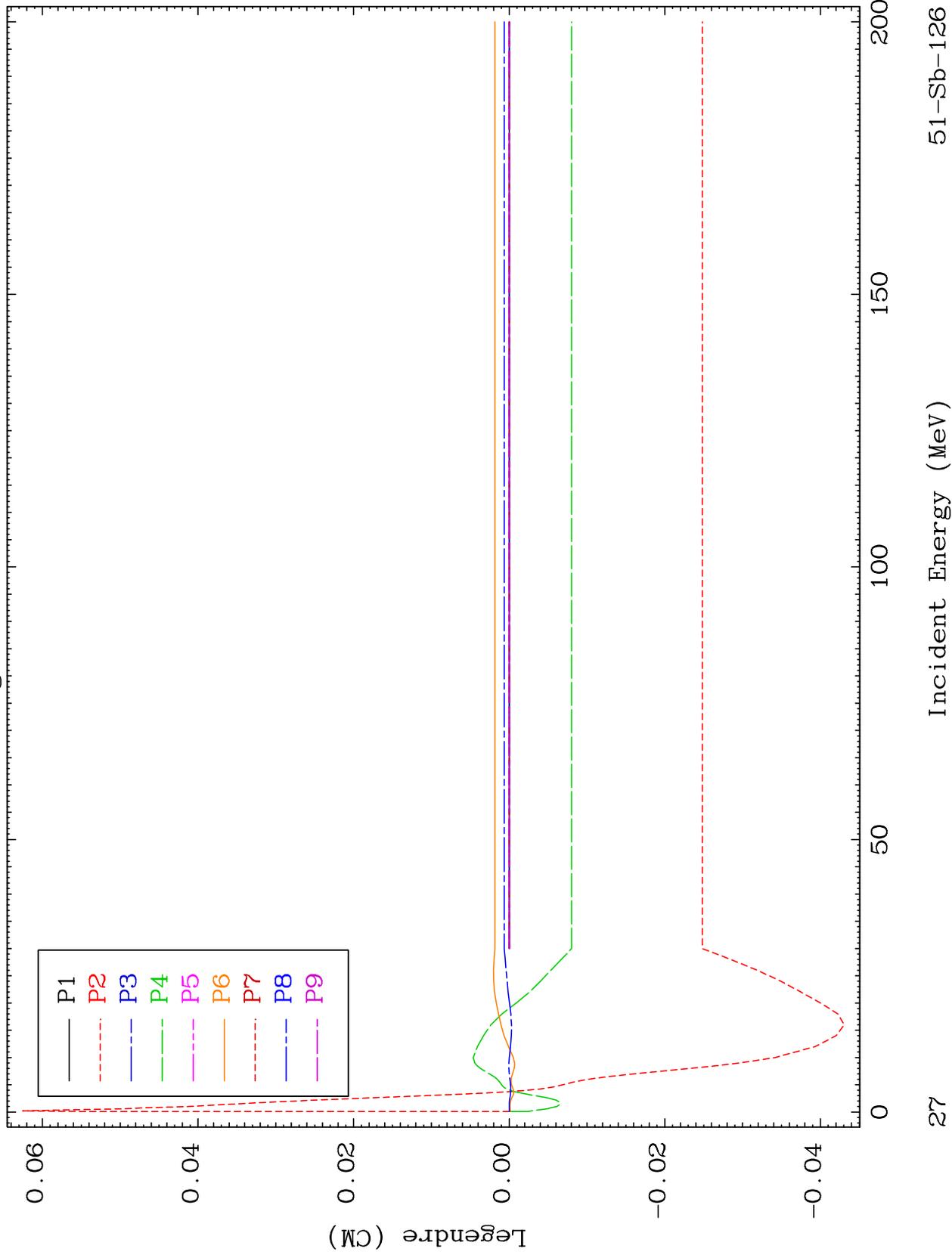


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Incident Energy (MeV)

51-Sb-126

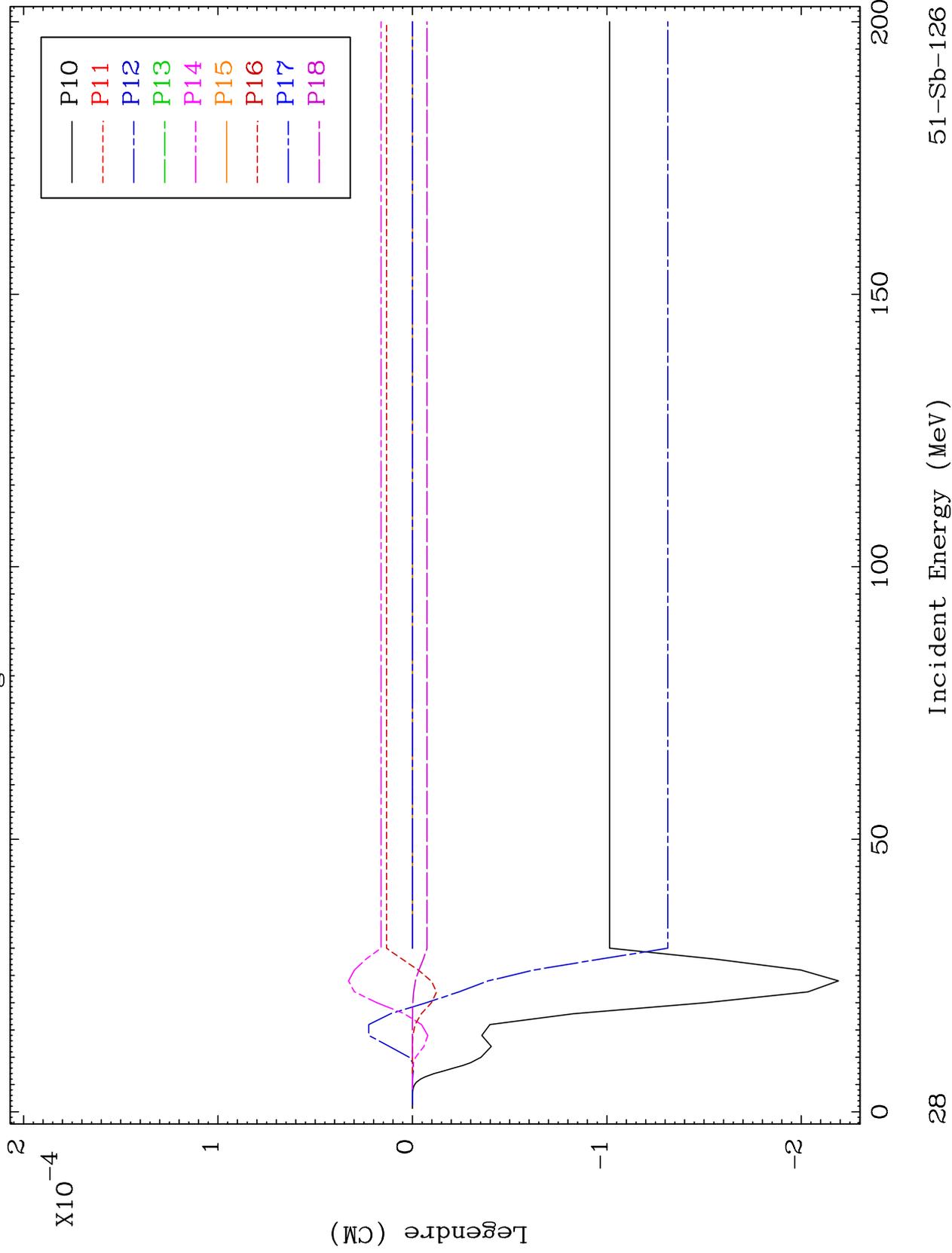




MAT 5140

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

51-Sb-126



51-Sb-126

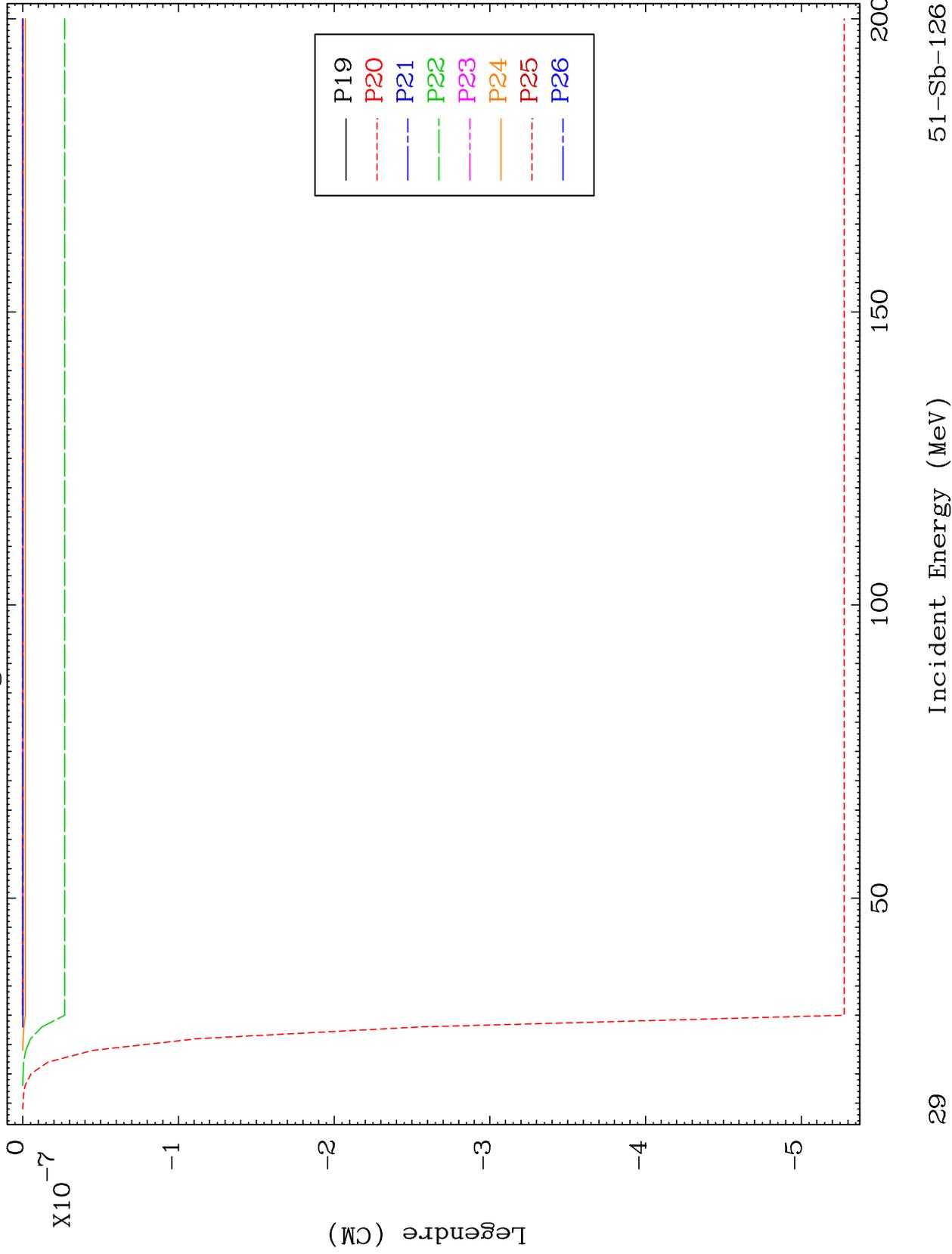
Incident Energy (MeV)

28

MAT 5140

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

51-Sb-126



29

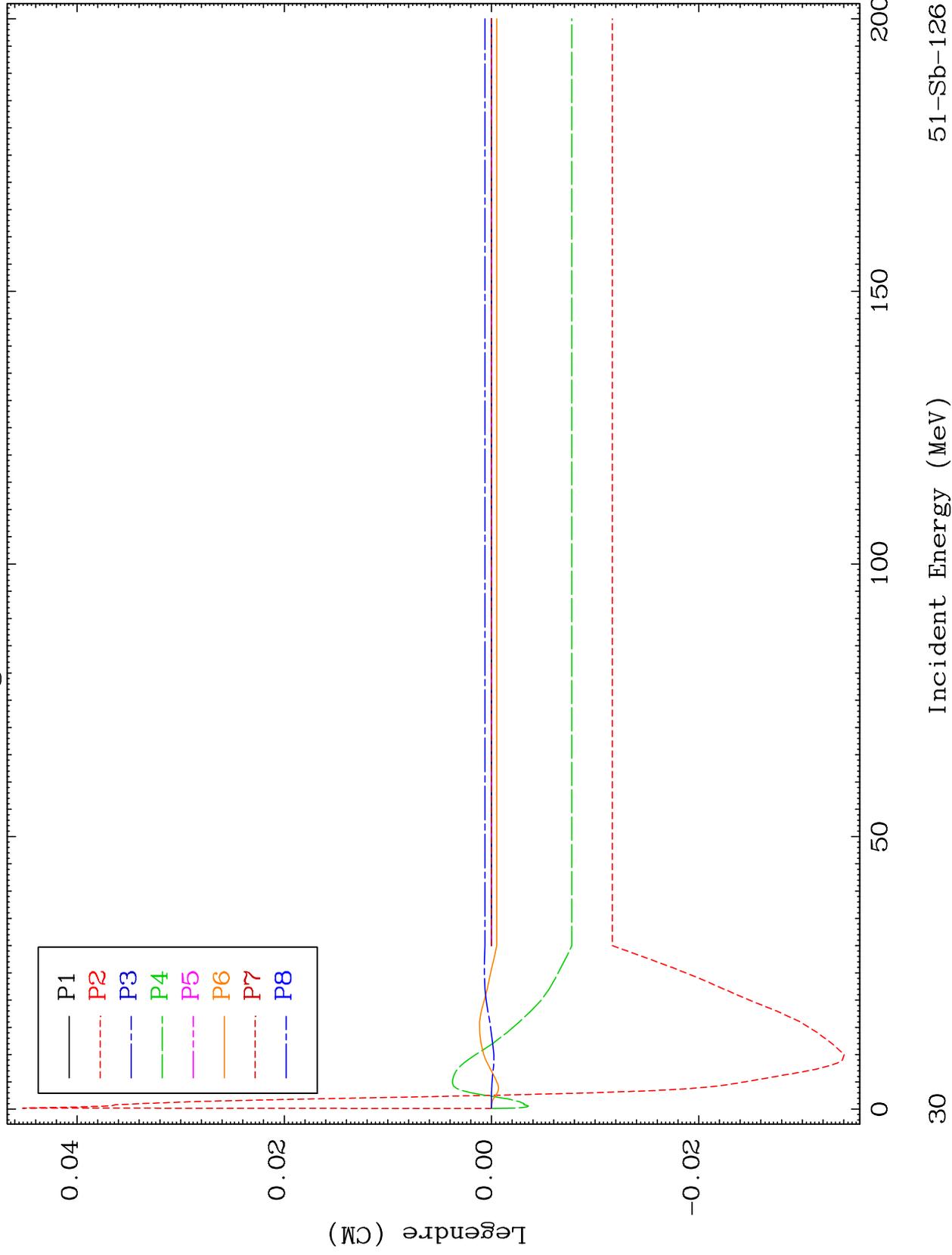
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



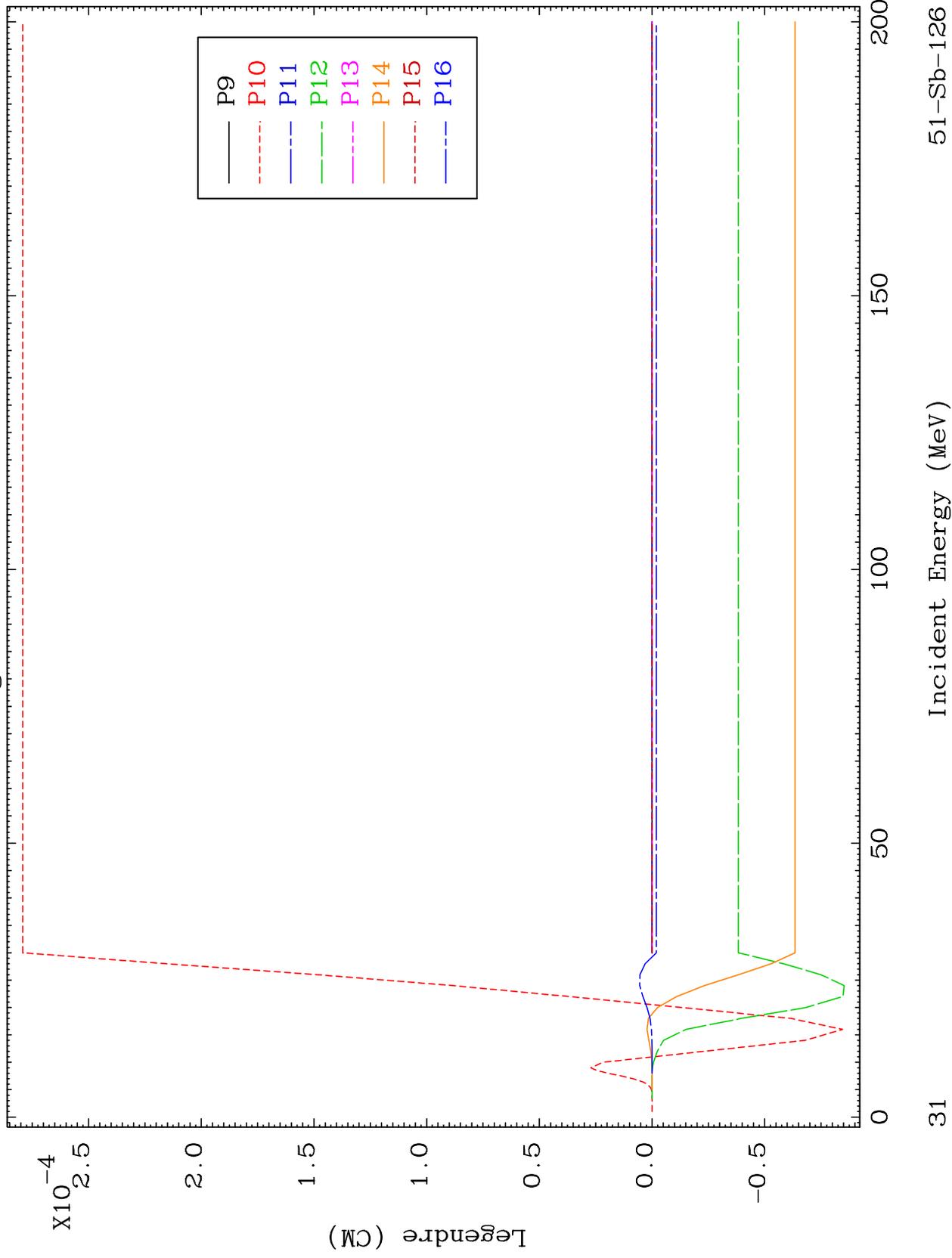
51-Sb-126

Incident Energy (MeV)

MAT 5140

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

51-Sb-126

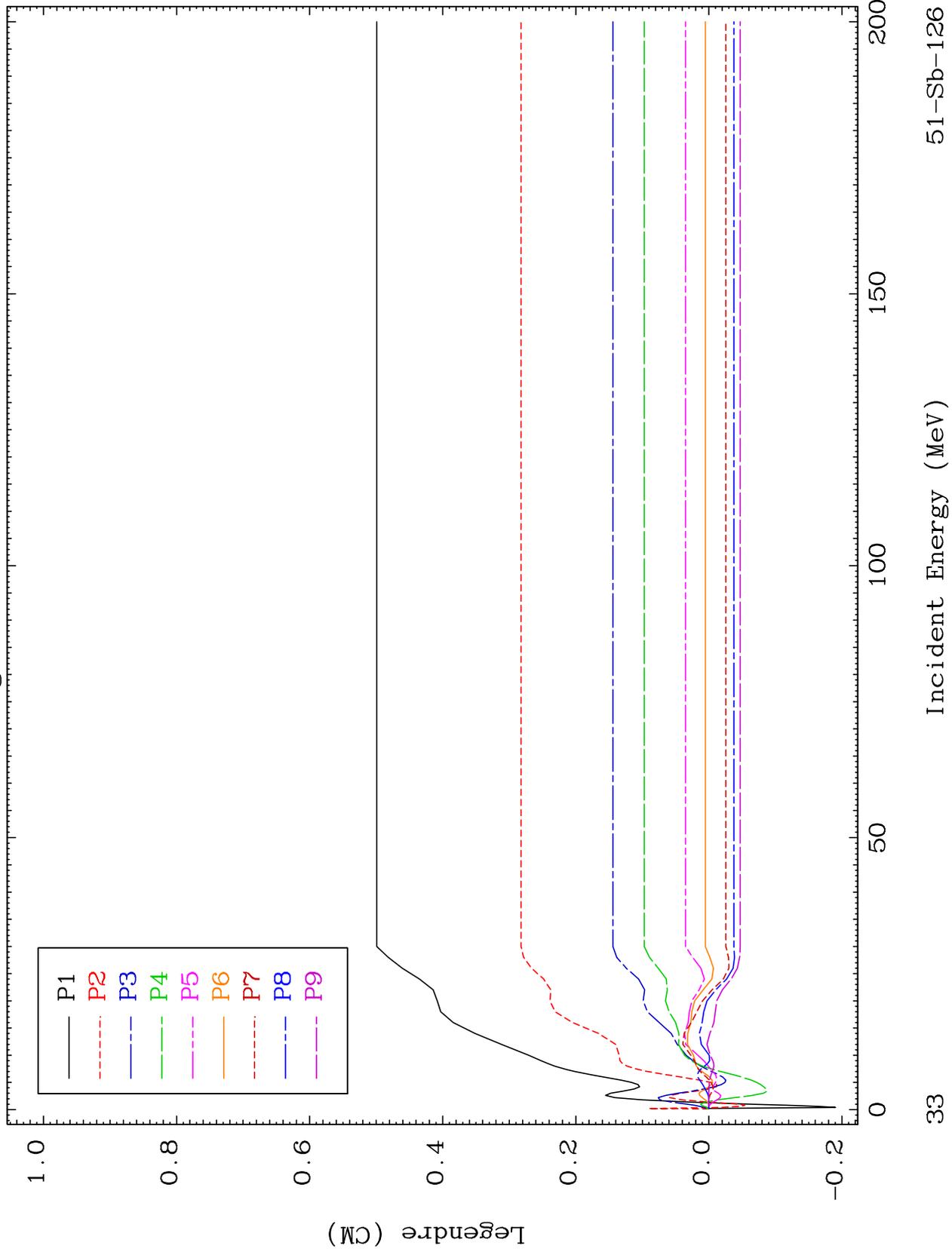


31

Incident Energy (MeV)

51-Sb-126

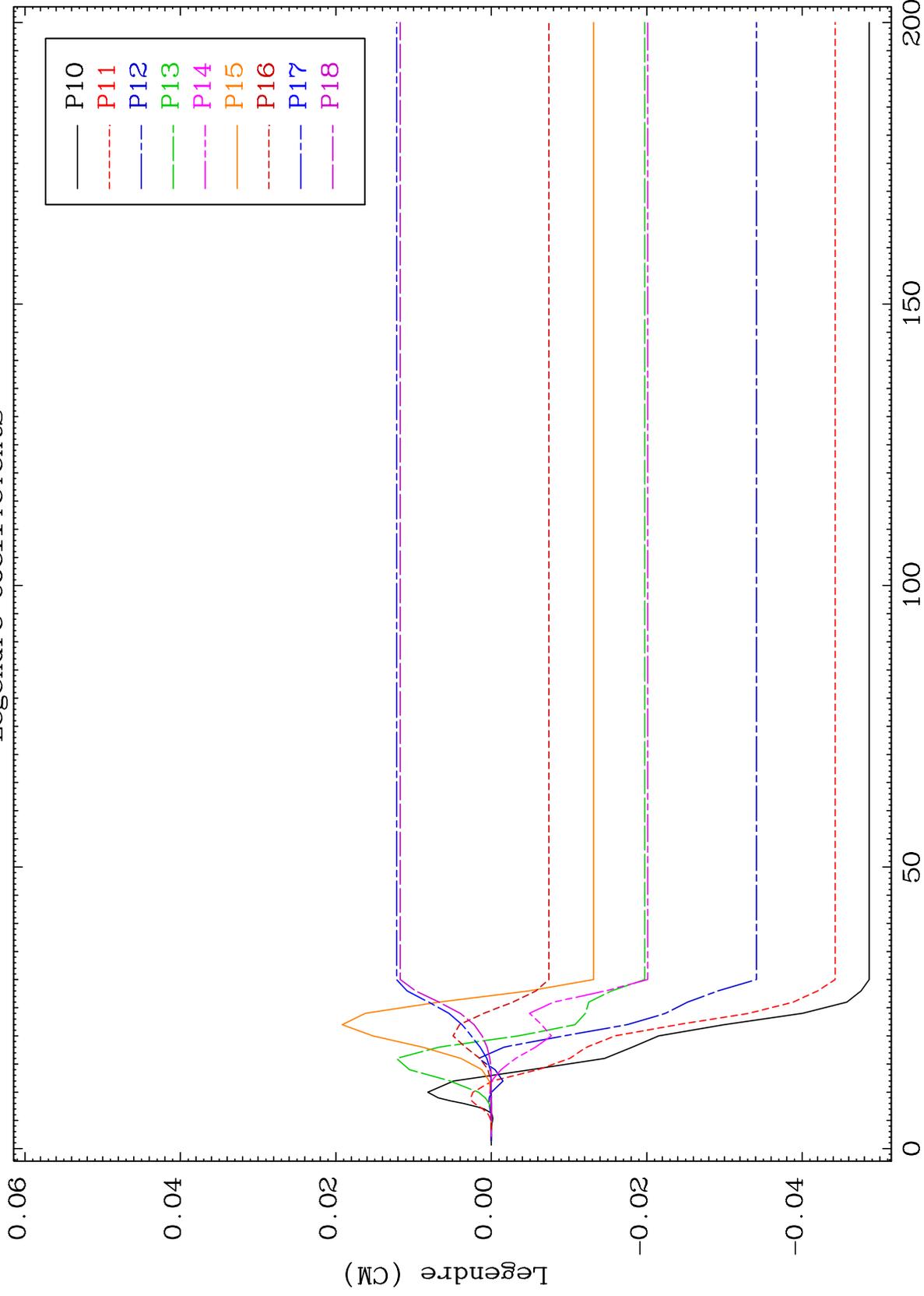




MAT 5140

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

51-Sb-126



34

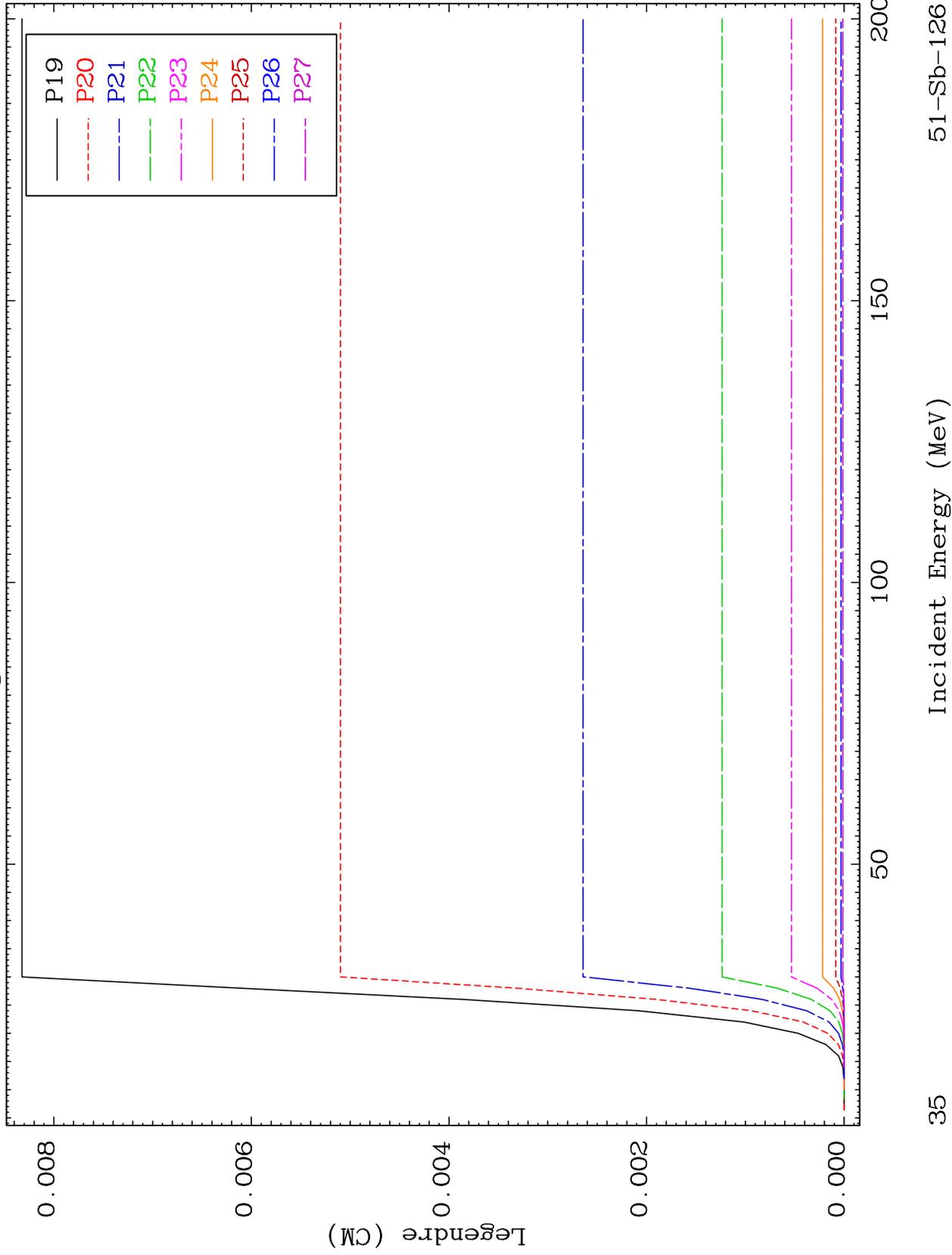
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



35

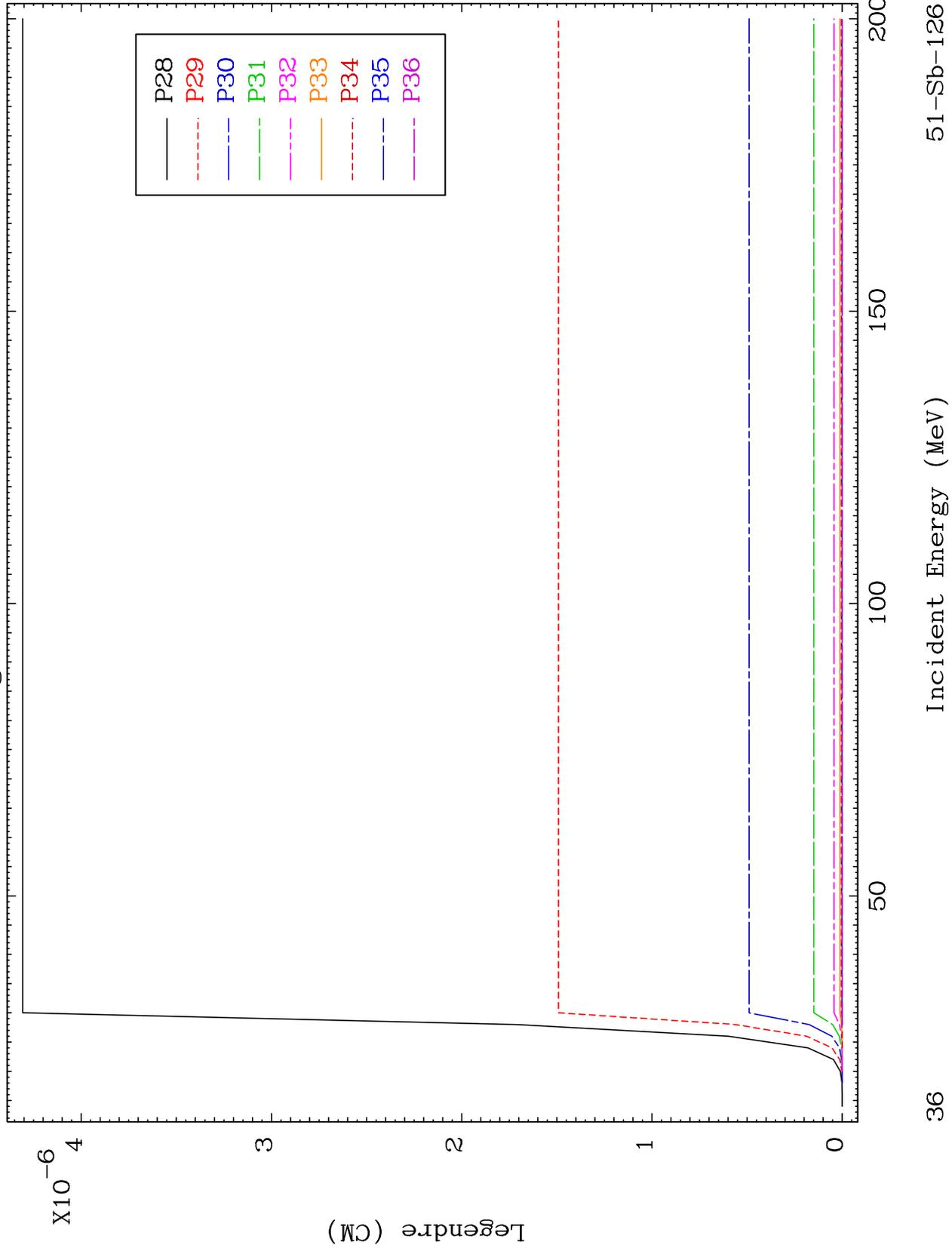
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



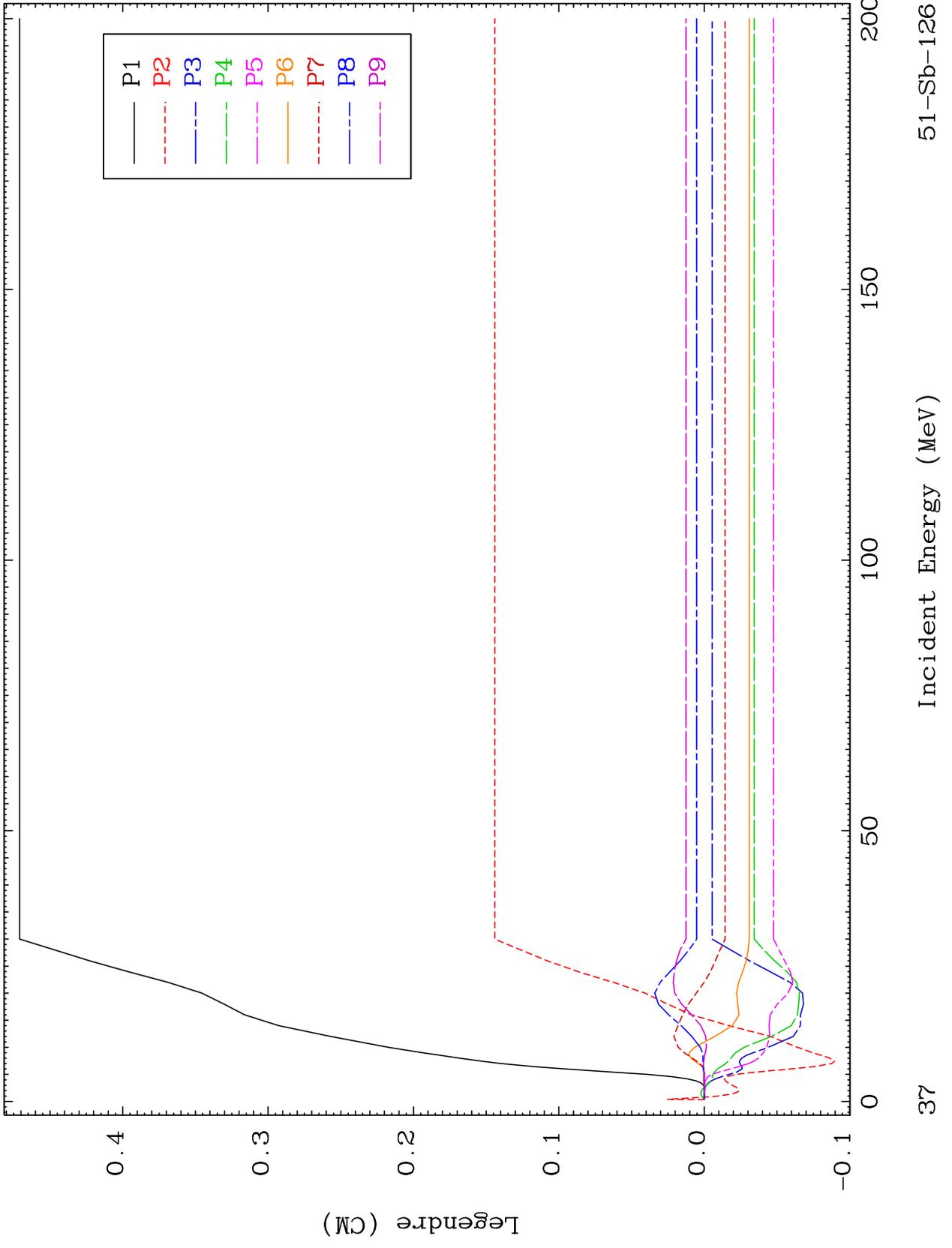
36

51-Sb-126

MAT 5140

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

51-Sb-126



51-Sb-126

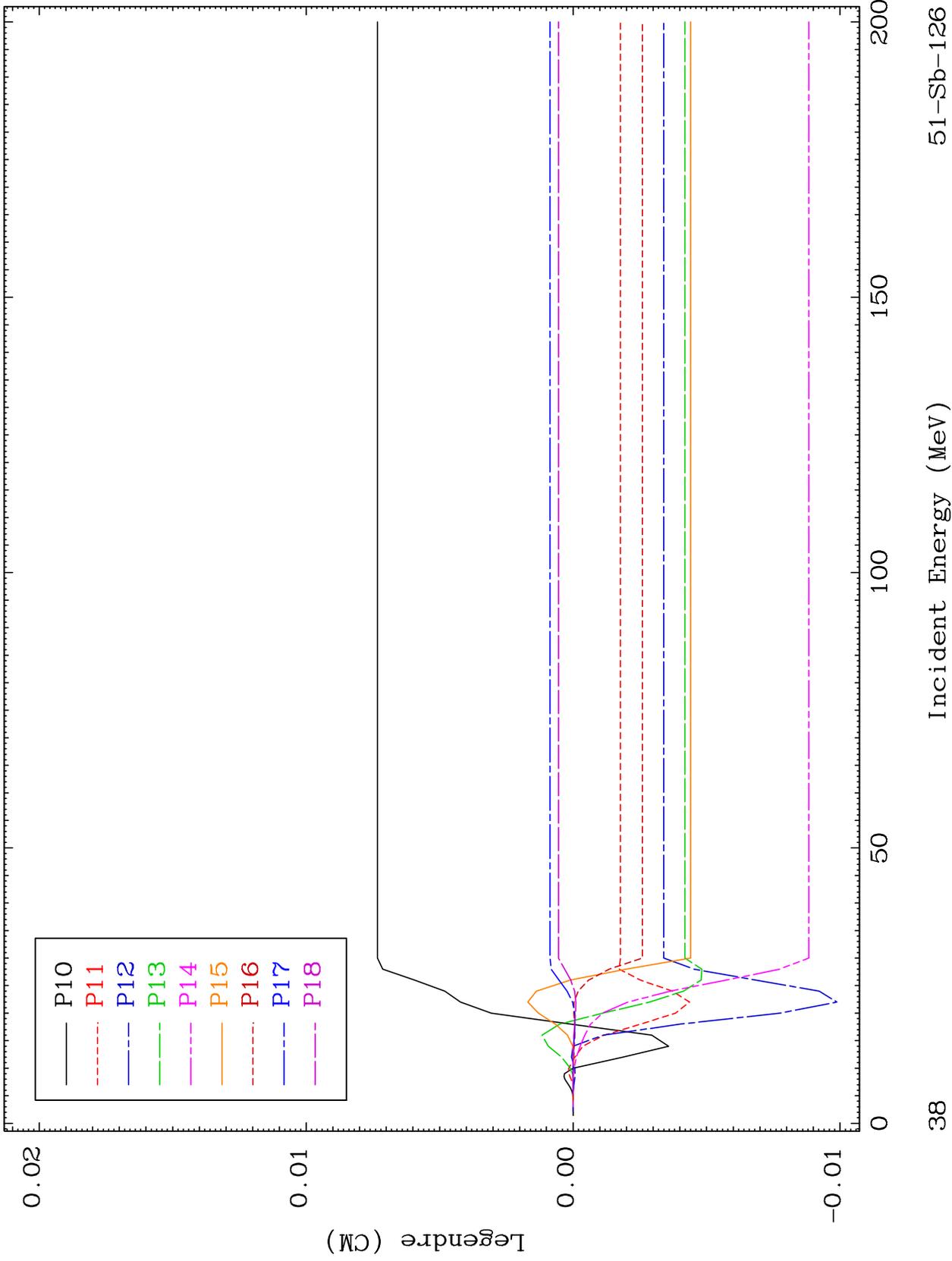
Incident Energy (MeV)

37

MAT 5140

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

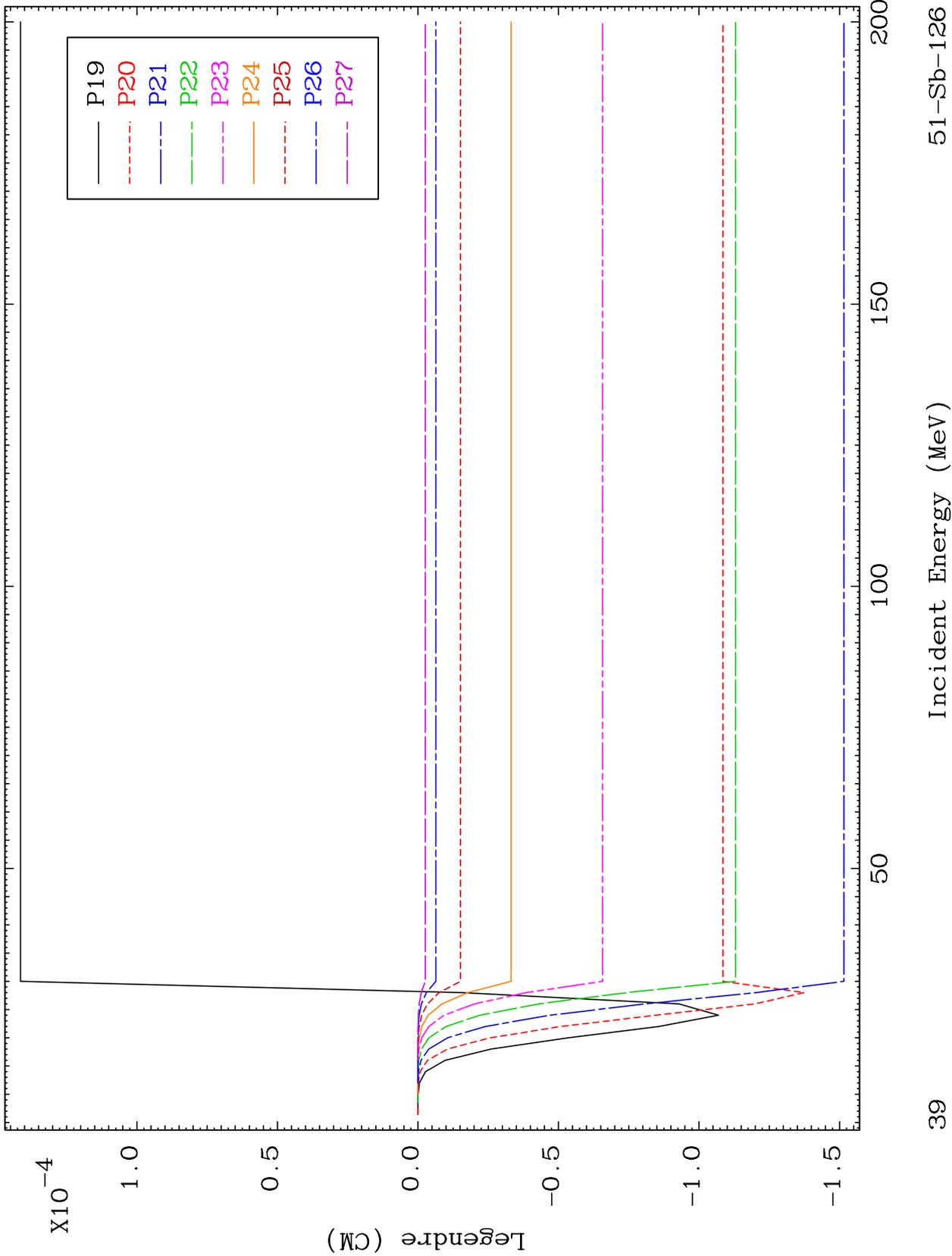
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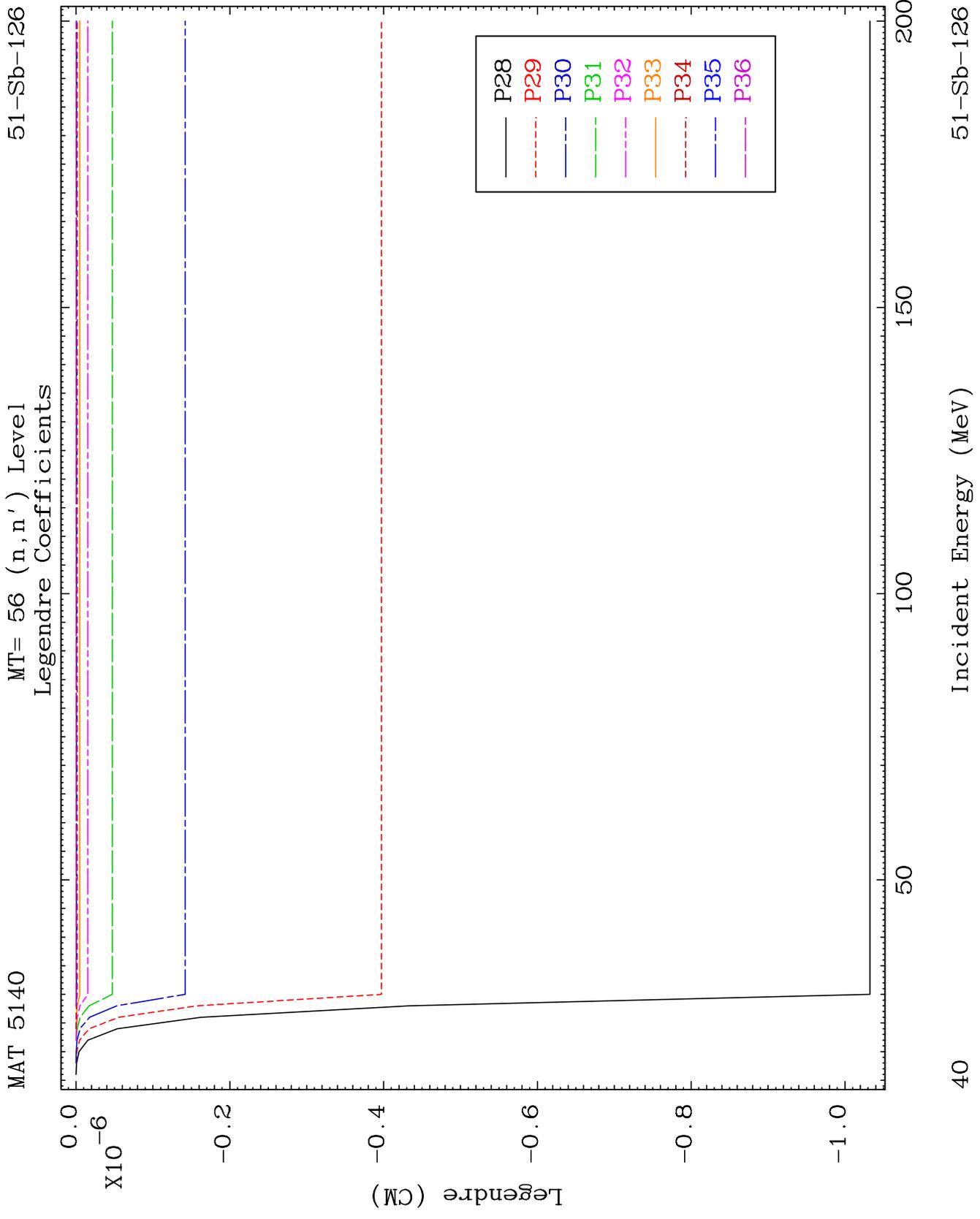


38

Incident Energy (MeV)

51-Sb-126

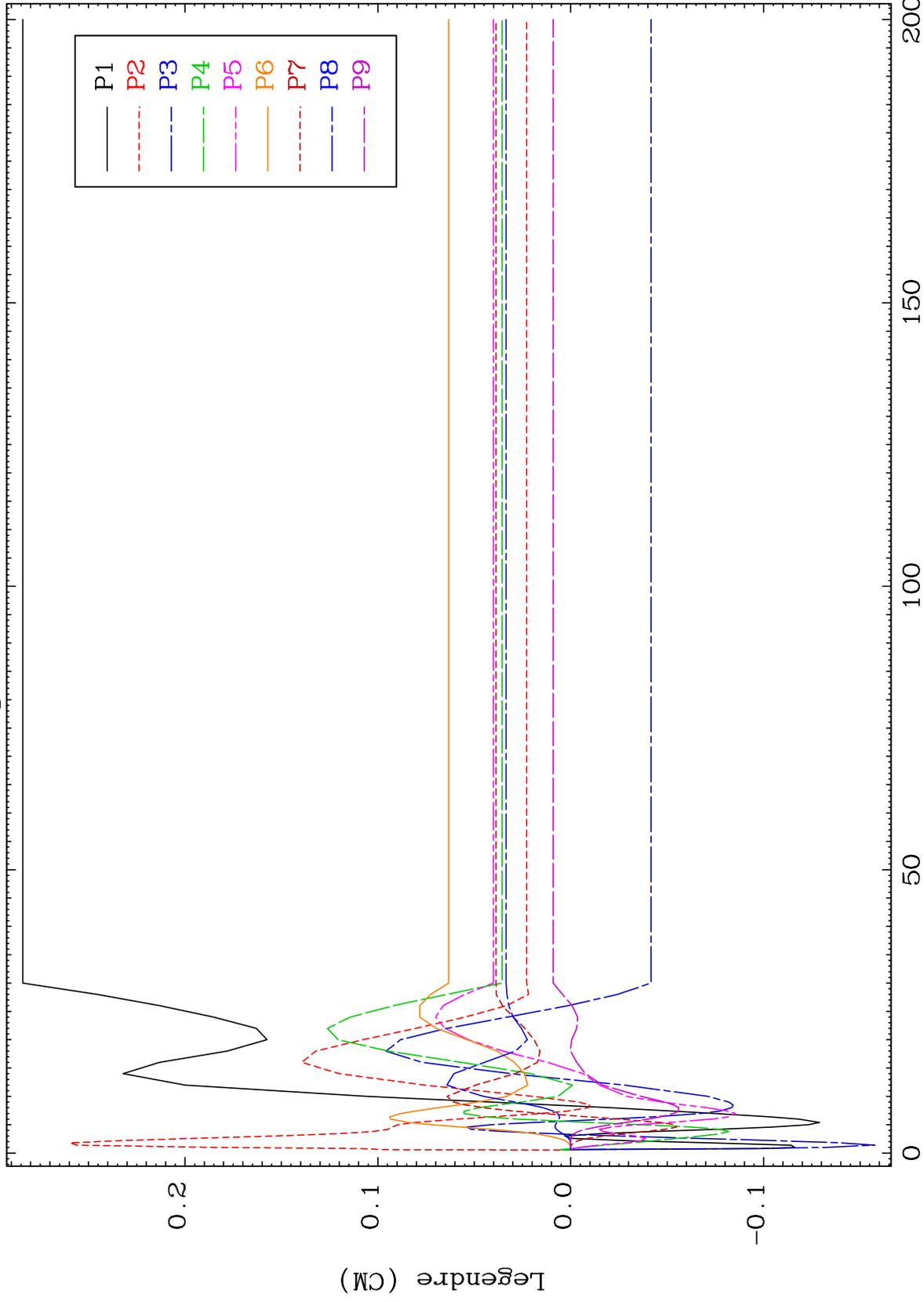




MAT 5140

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

51-Sb-126



41

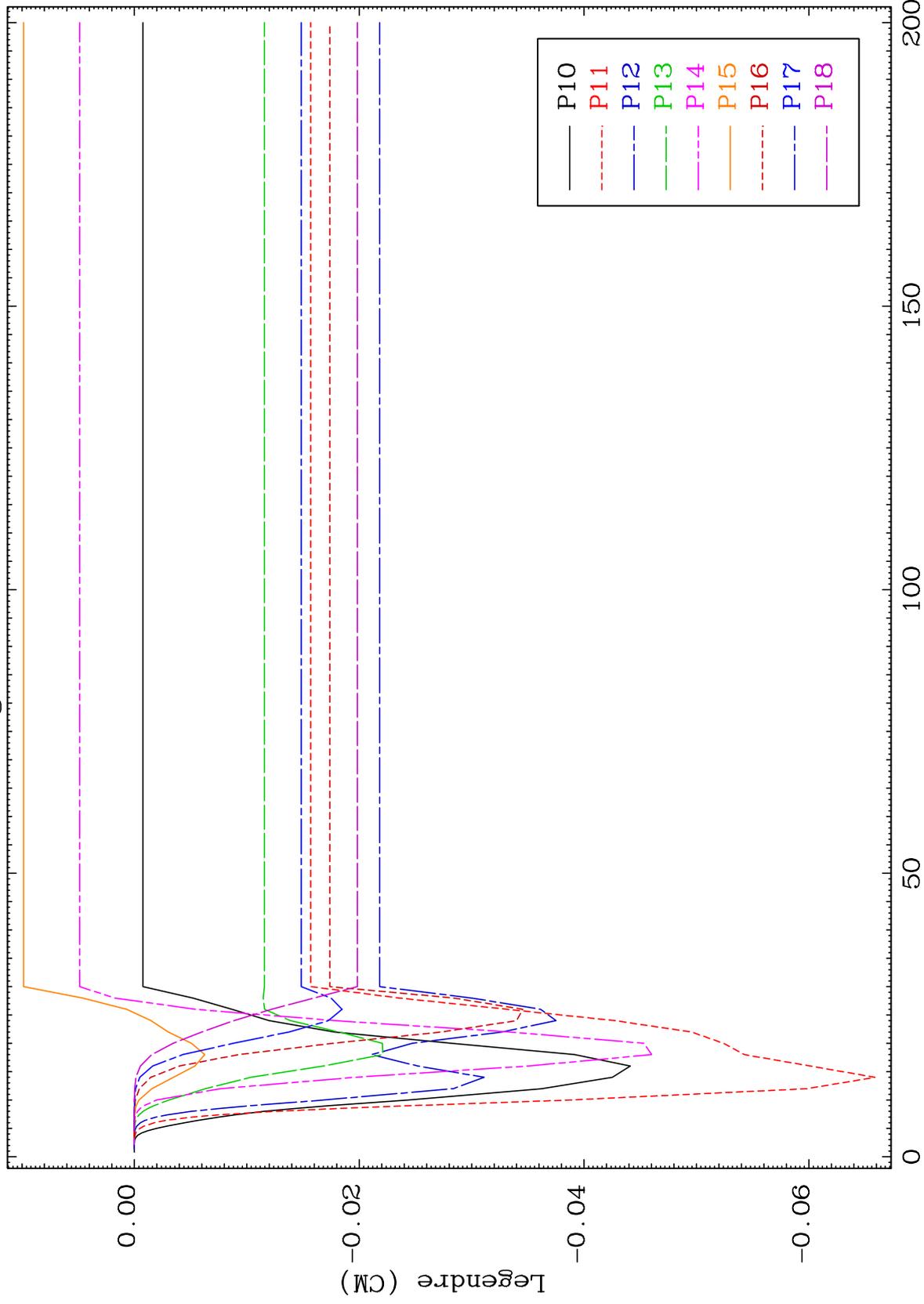
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

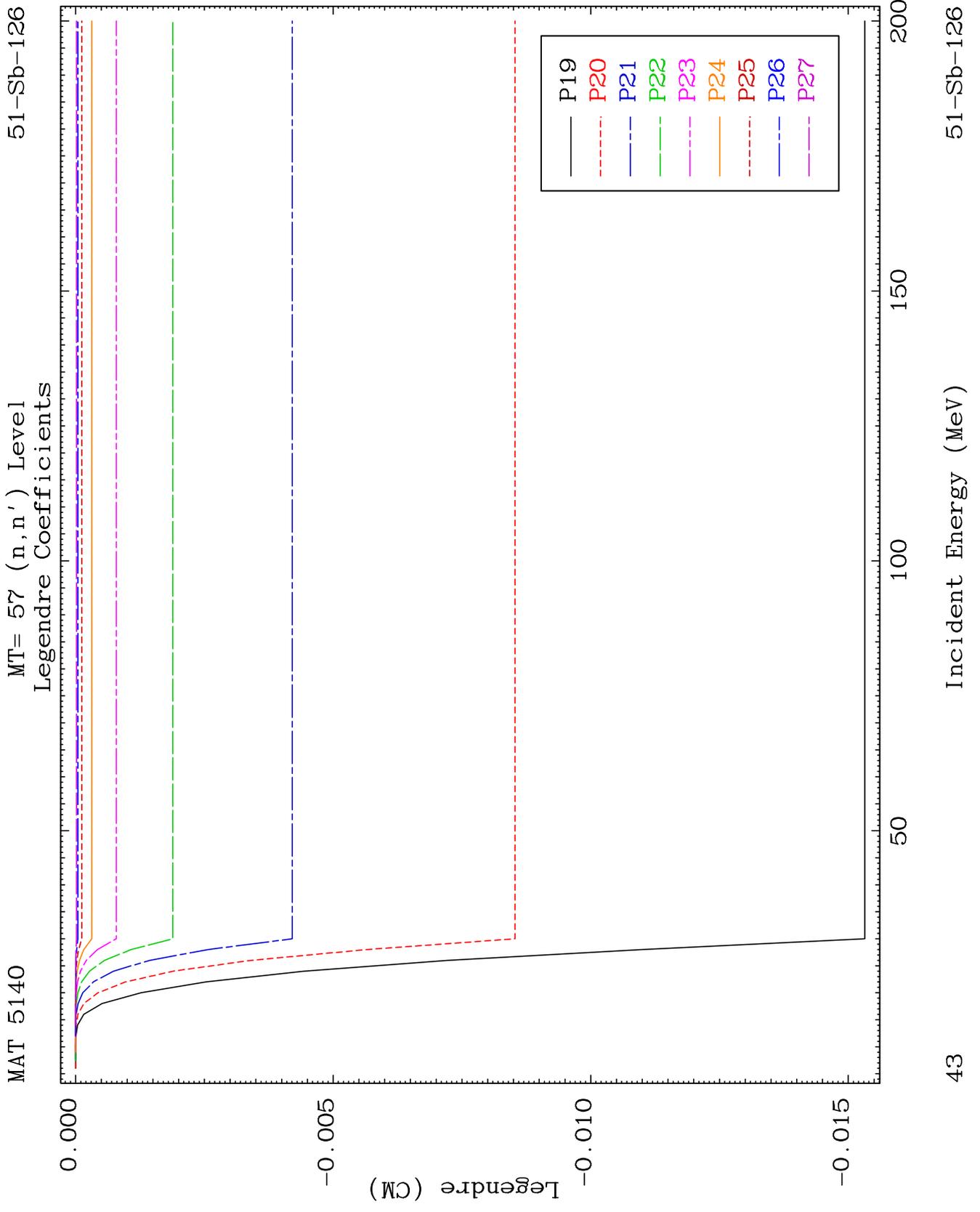
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42

Incident Energy (MeV)

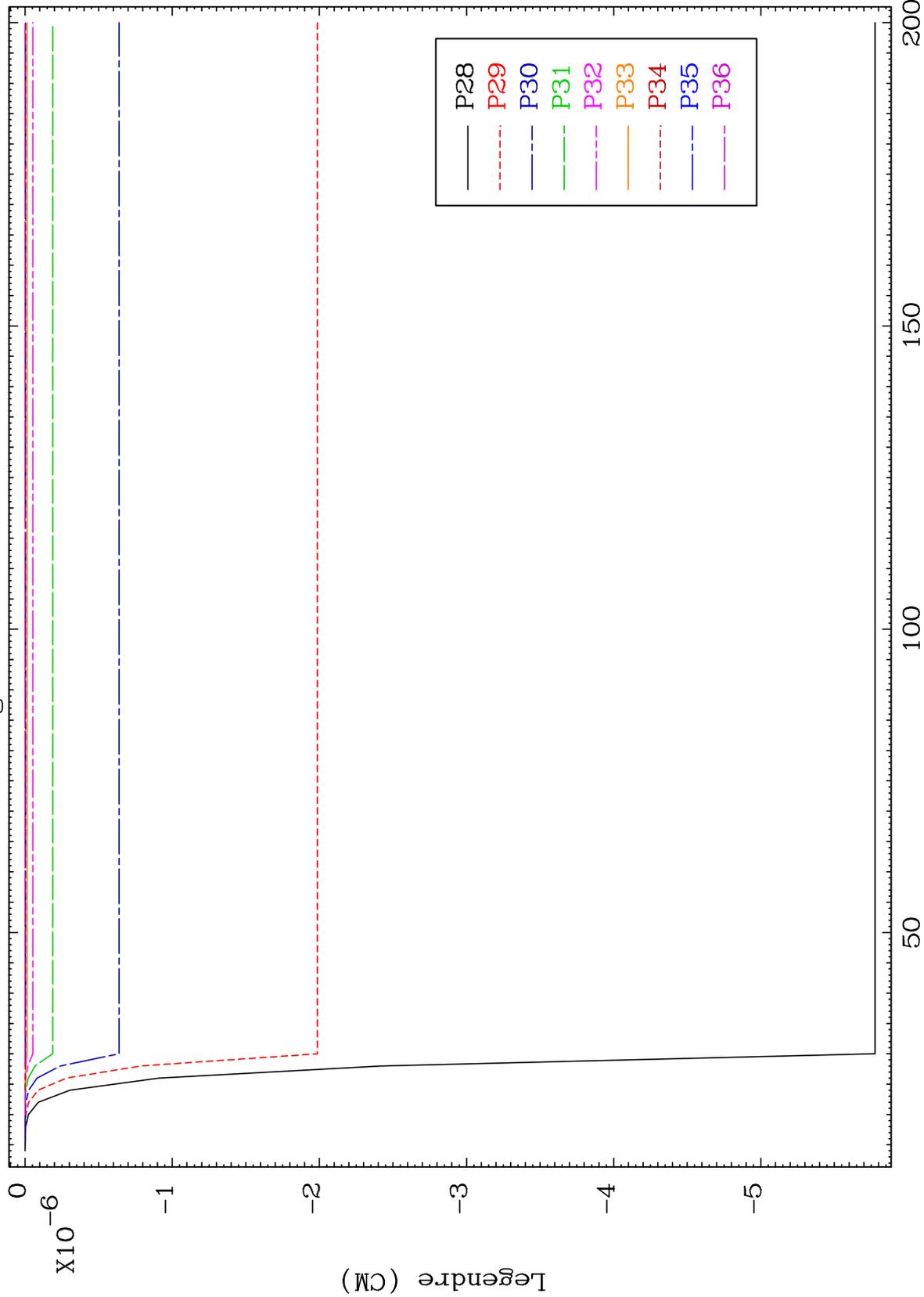
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MAT 5140

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

51-Sb-126



44

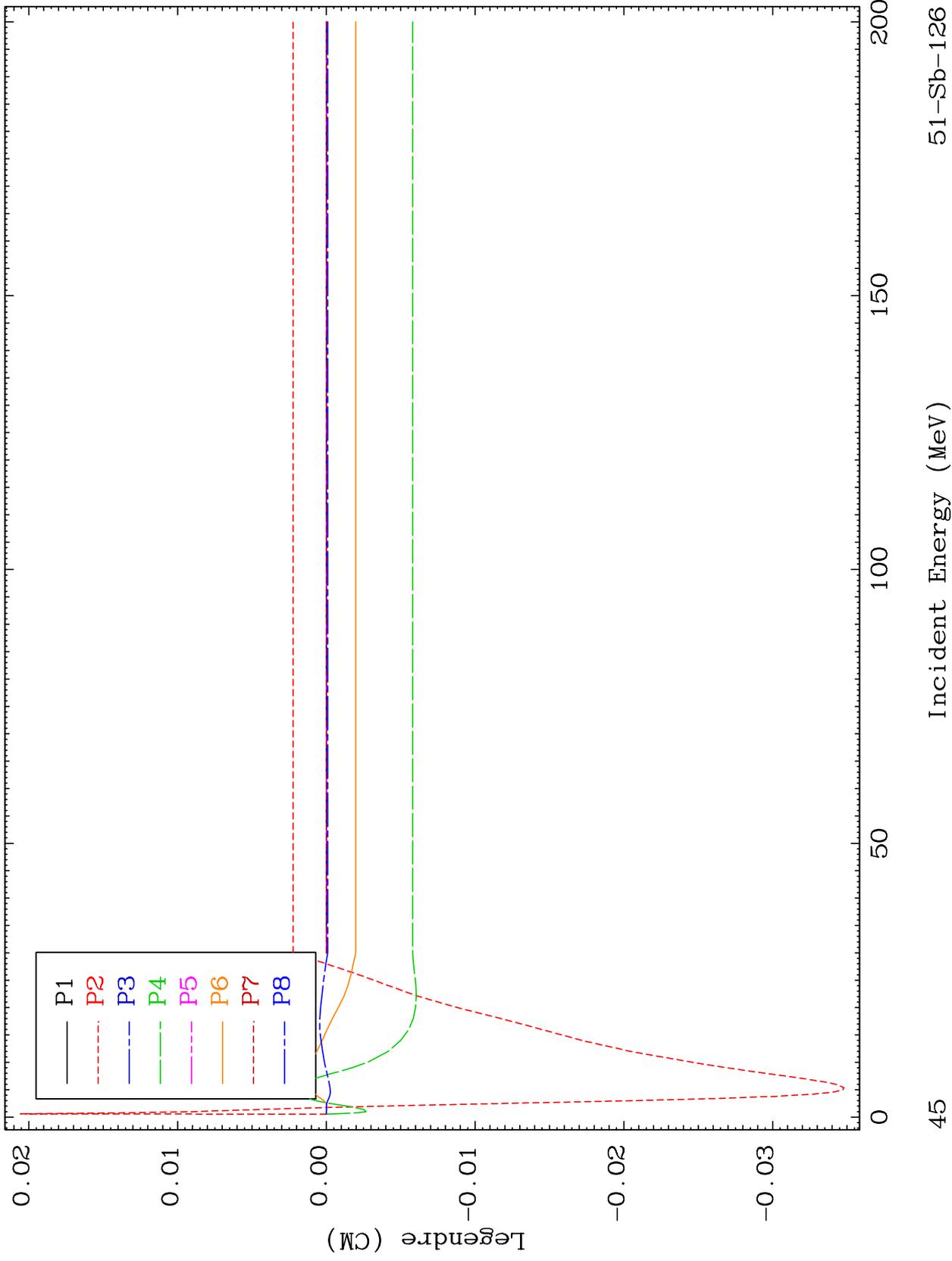
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



51-Sb-126

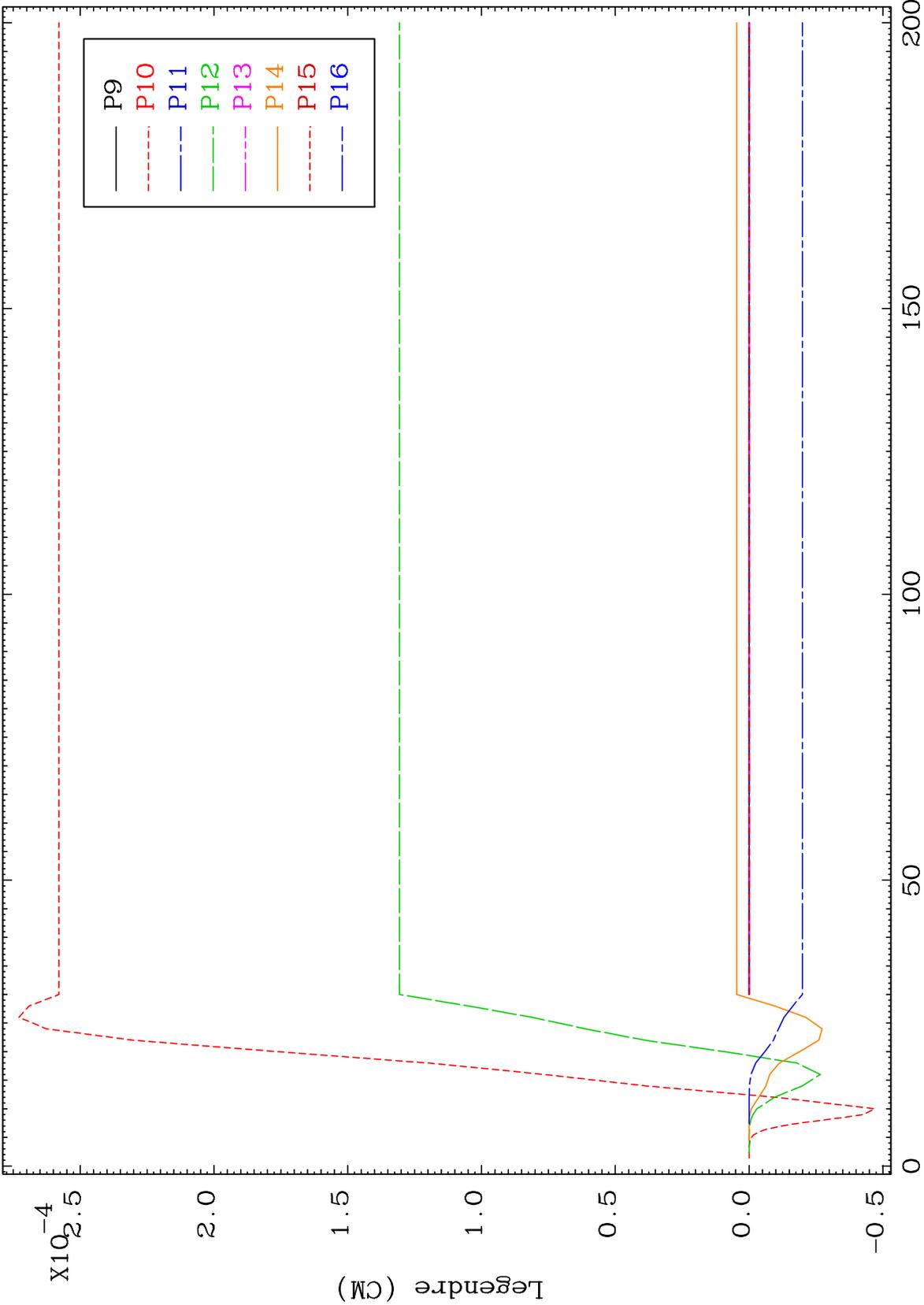
Incident Energy (MeV)

45

MAT 5140

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

51-Sb-126



46

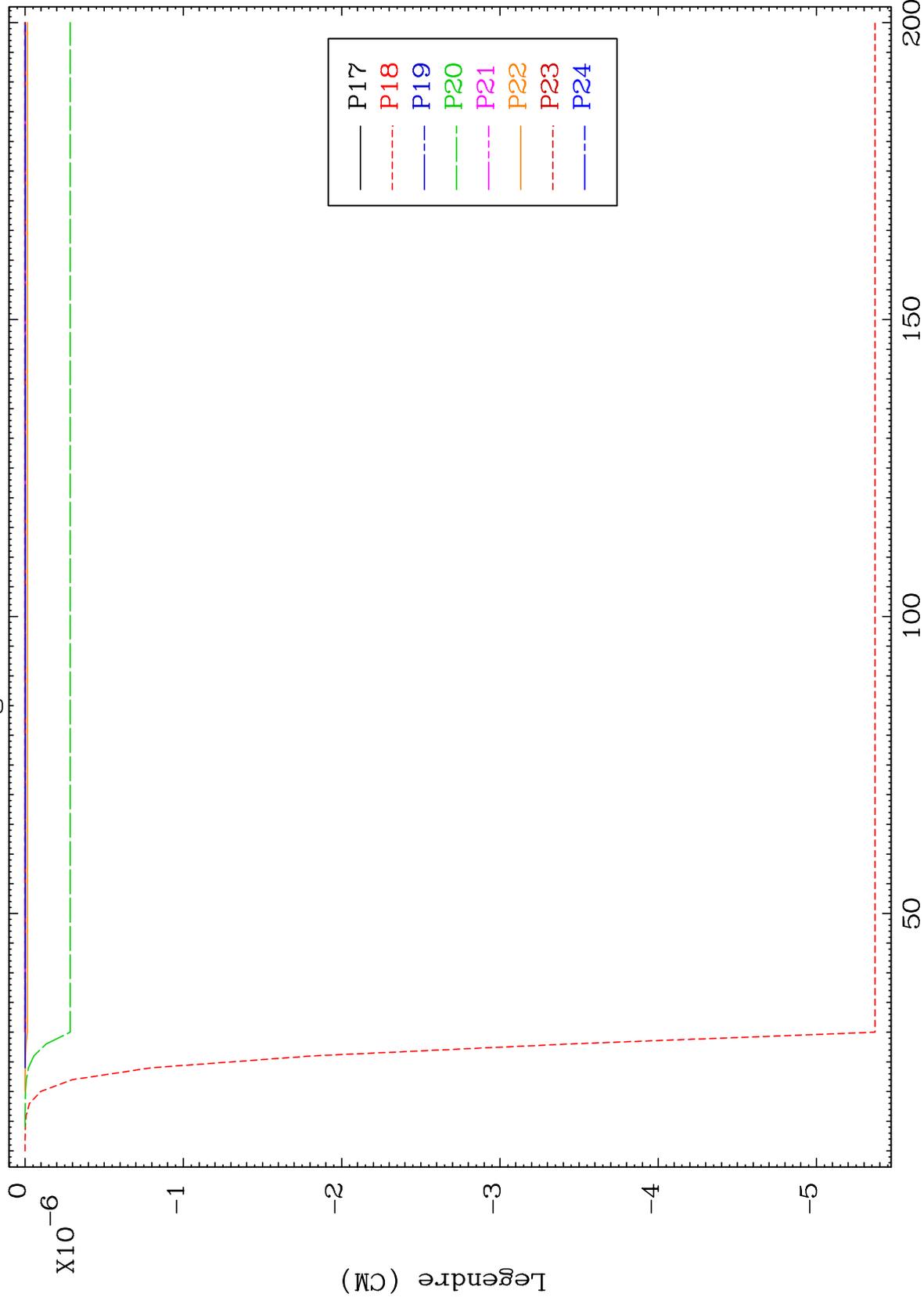
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



47

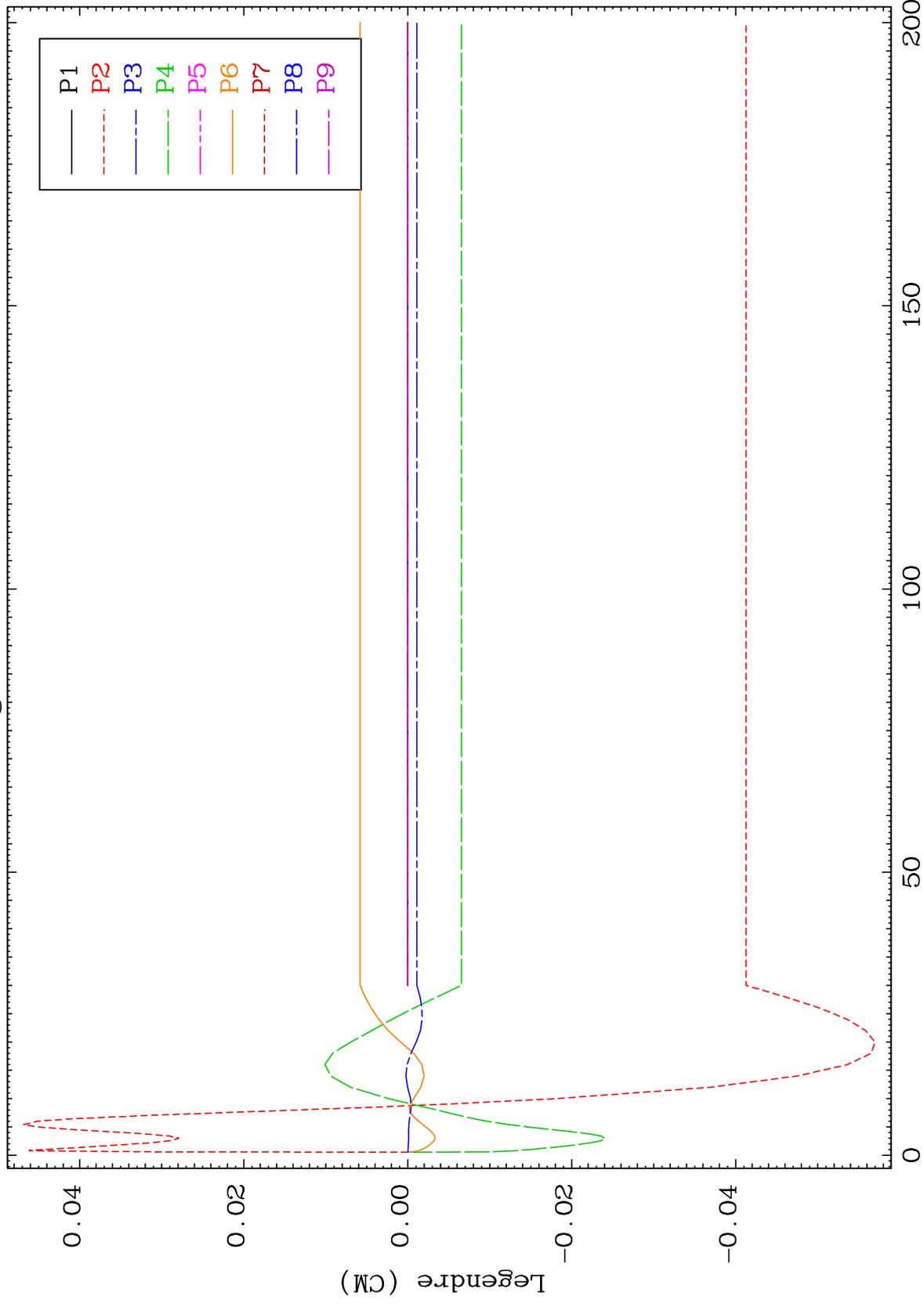
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

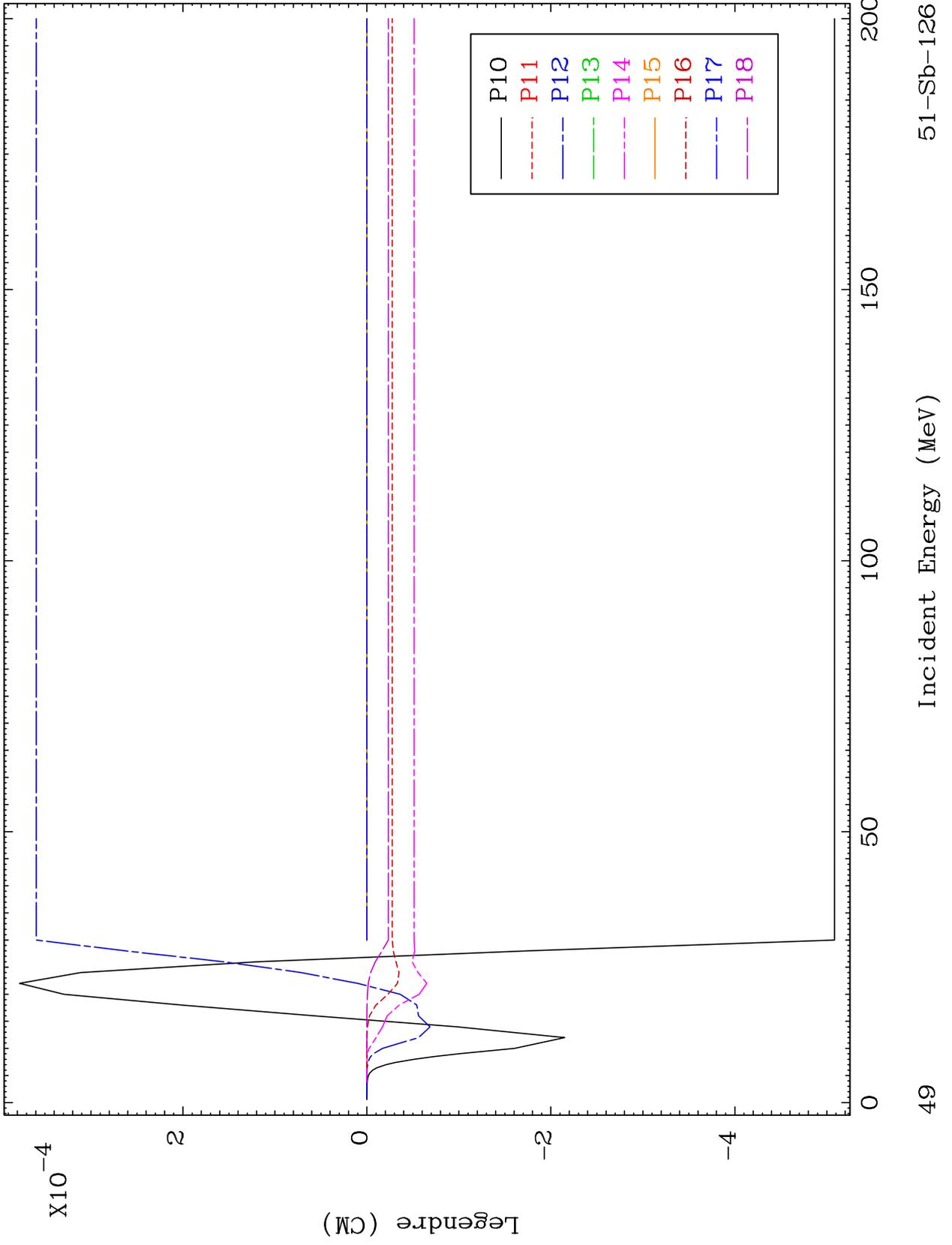
51-Sb-126



48

Incident Energy (MeV)

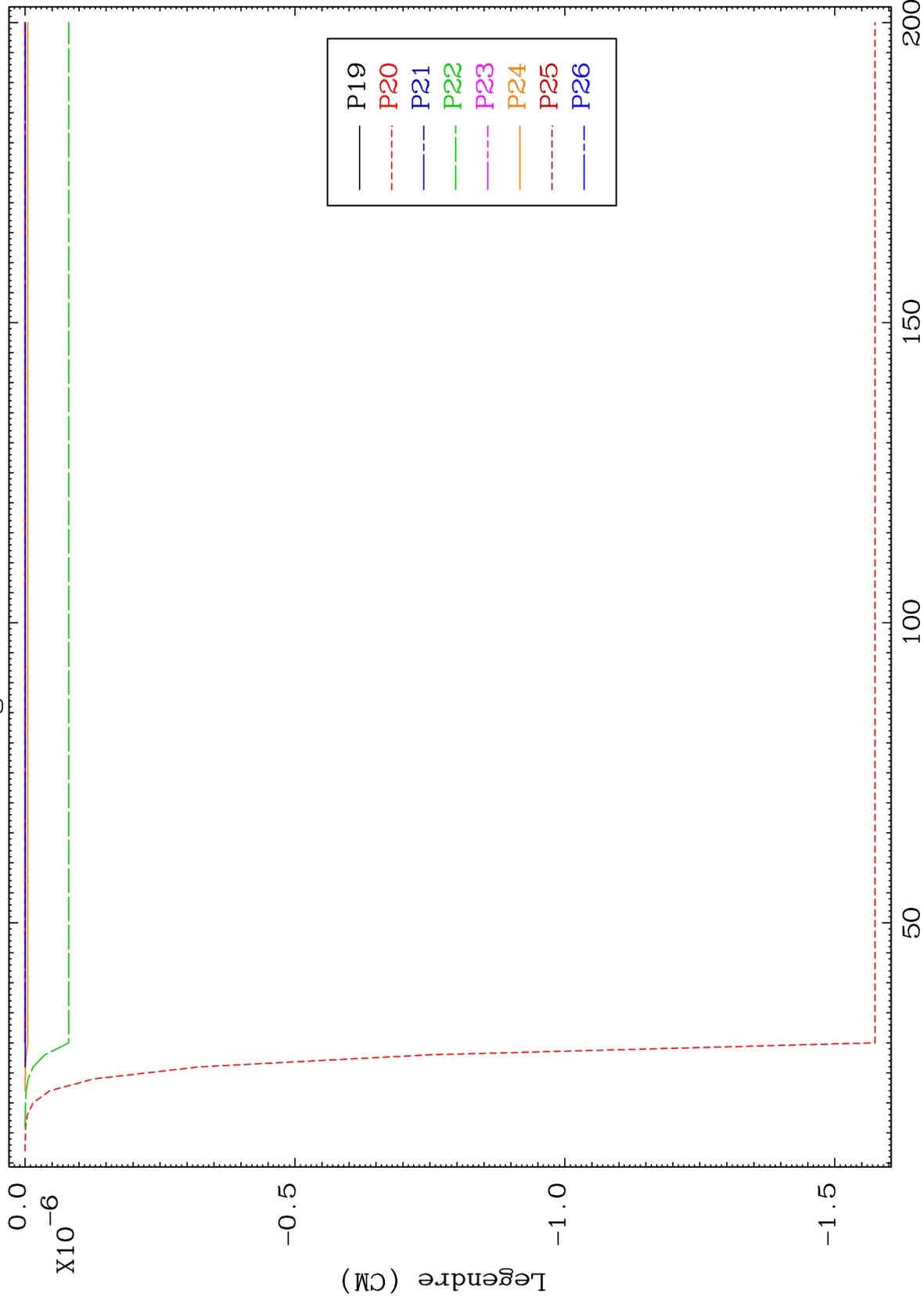
51-Sb-126



MAT 5140

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

51-Sb-126



51-Sb-126

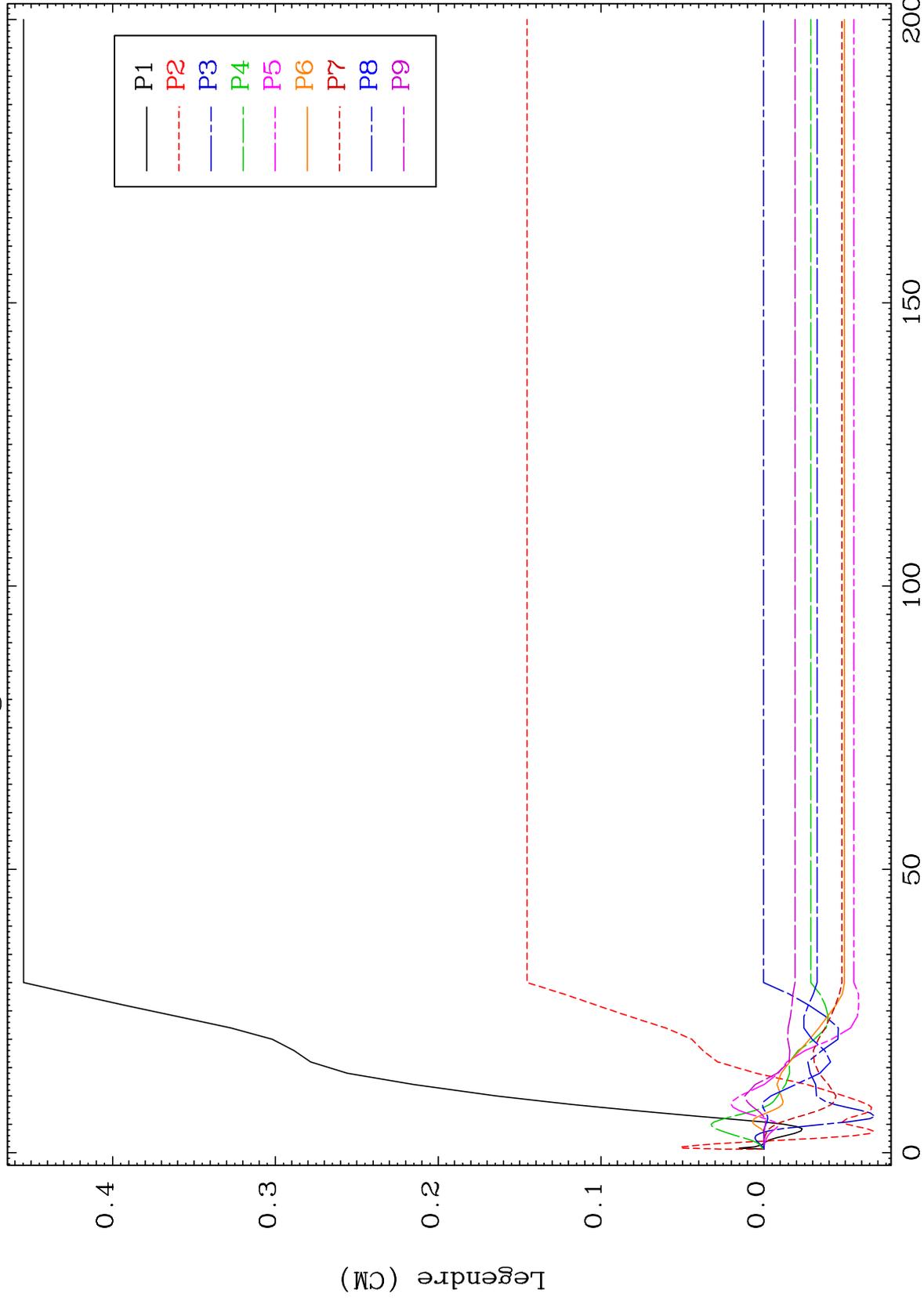
Incident Energy (MeV)

50

MAT 5140

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

51-Sb-126



51

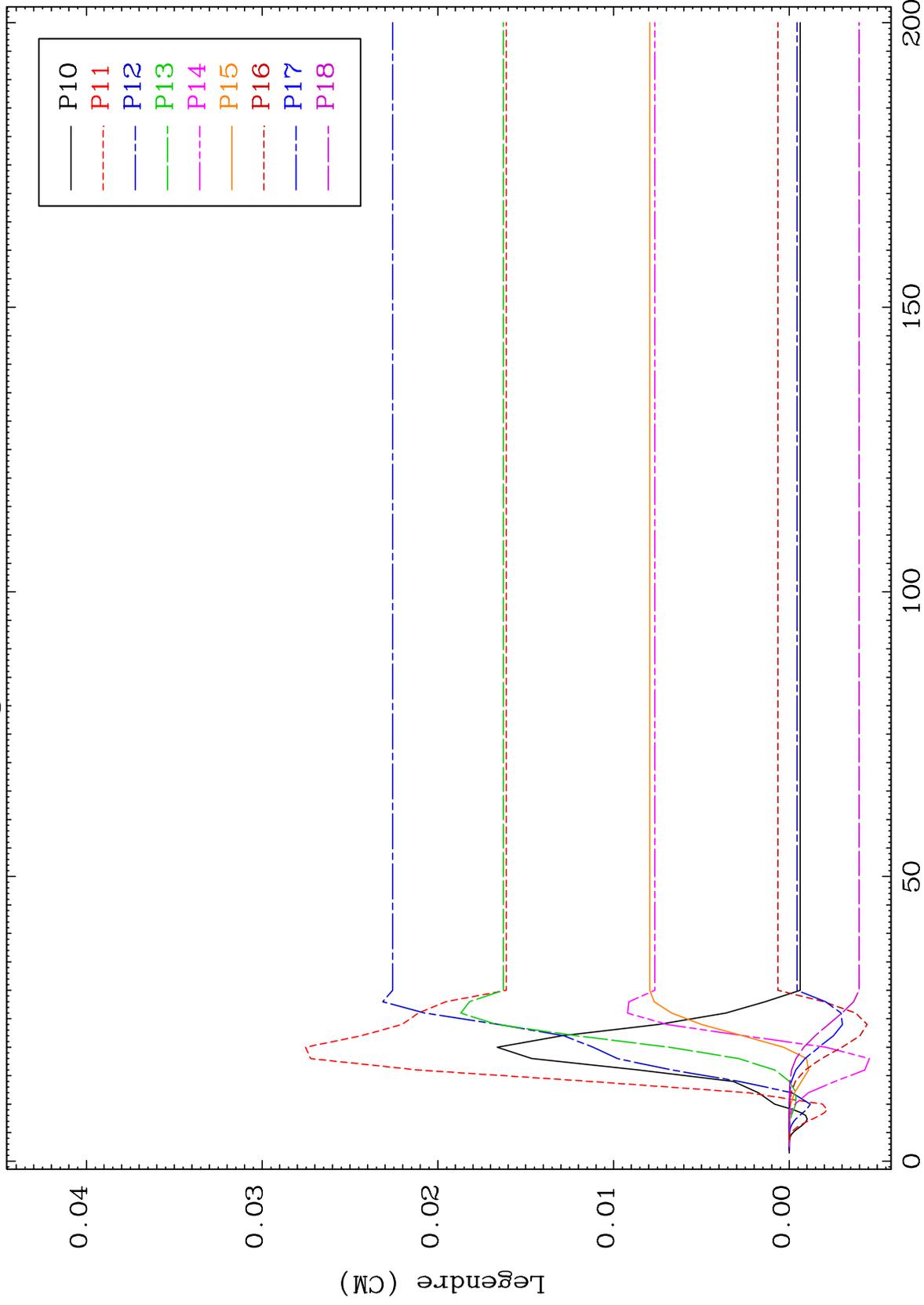
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

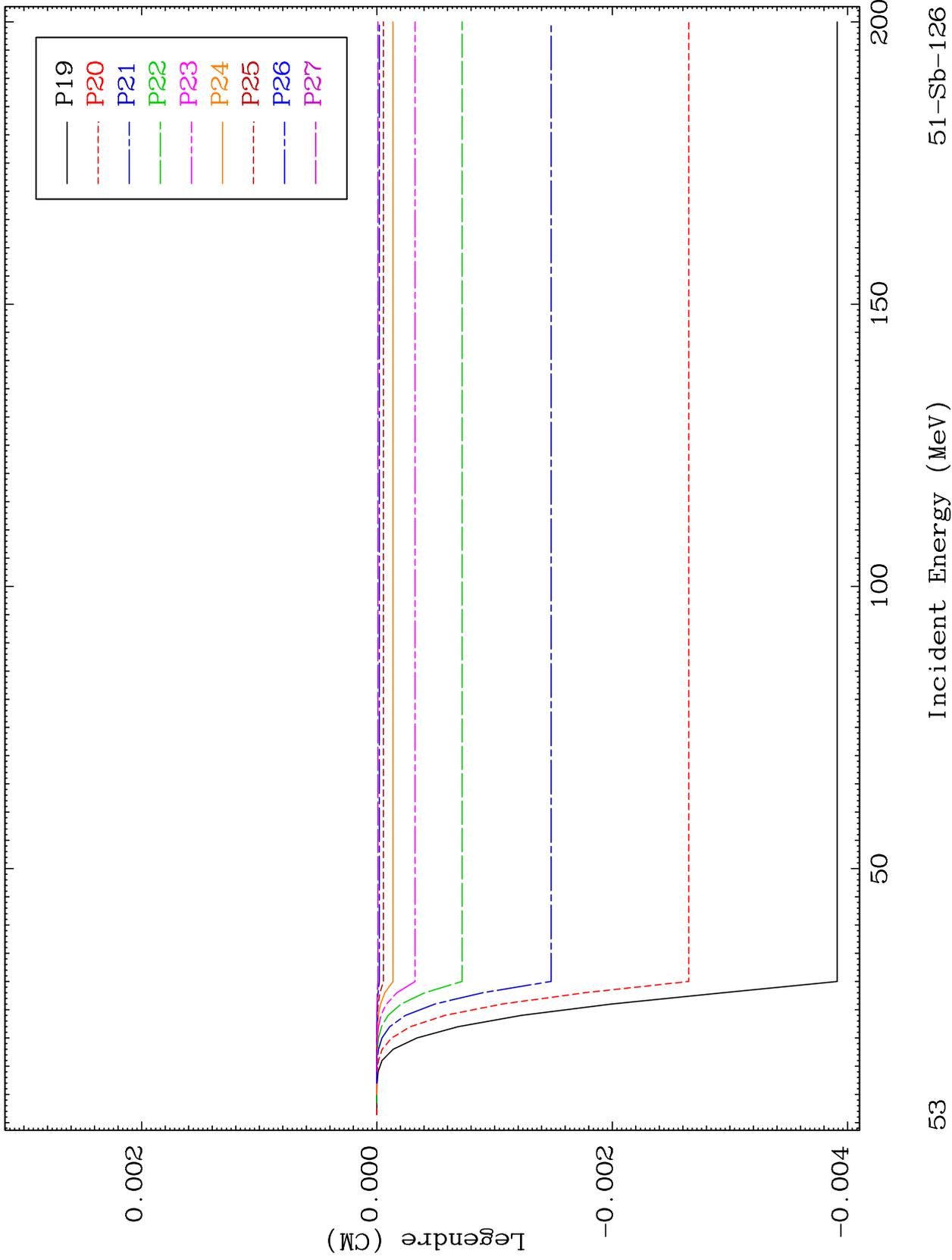
51-Sb-126



52

Incident Energy (MeV)

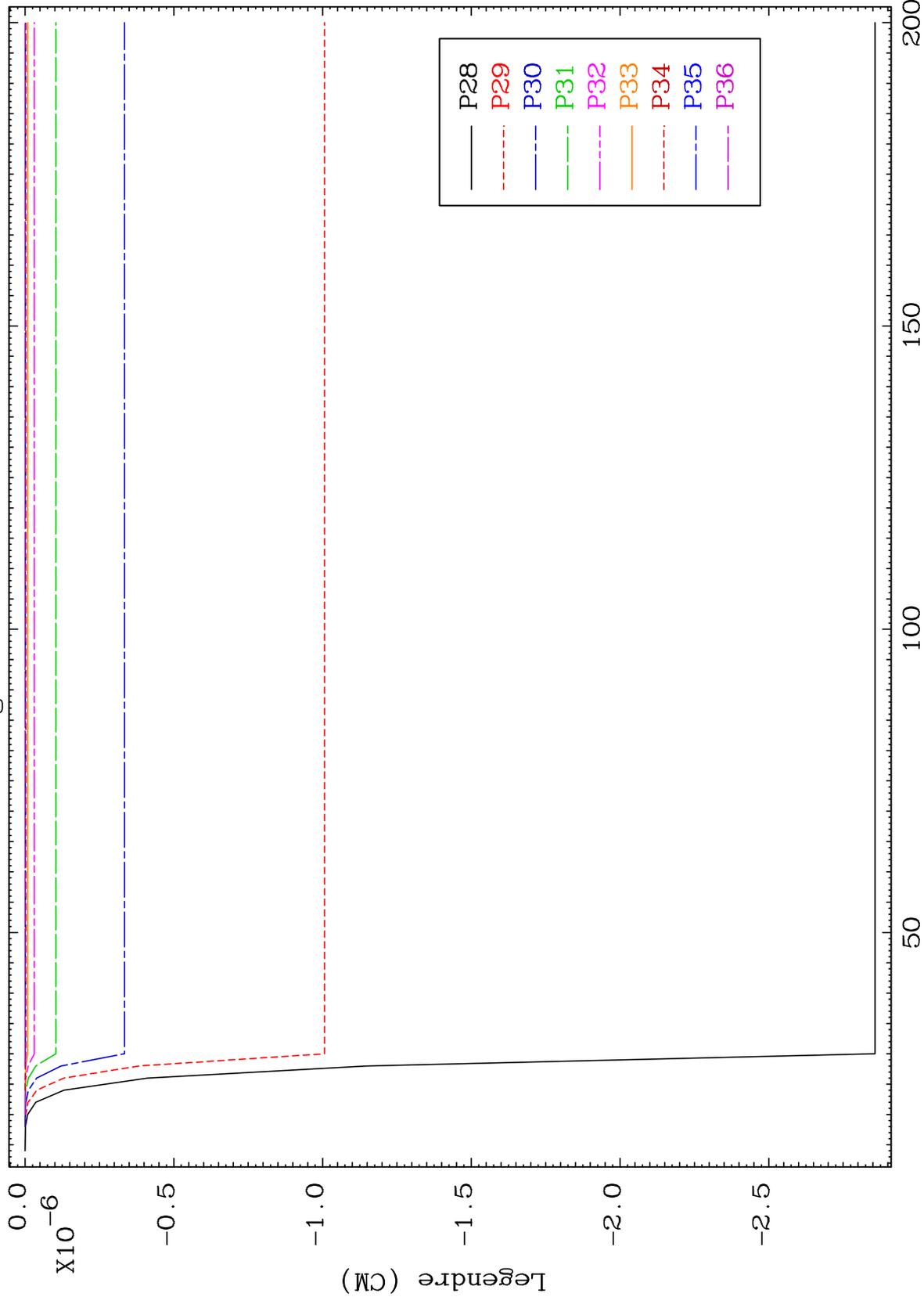
51-Sb-126



MAT 5140

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

51-Sb-126



54

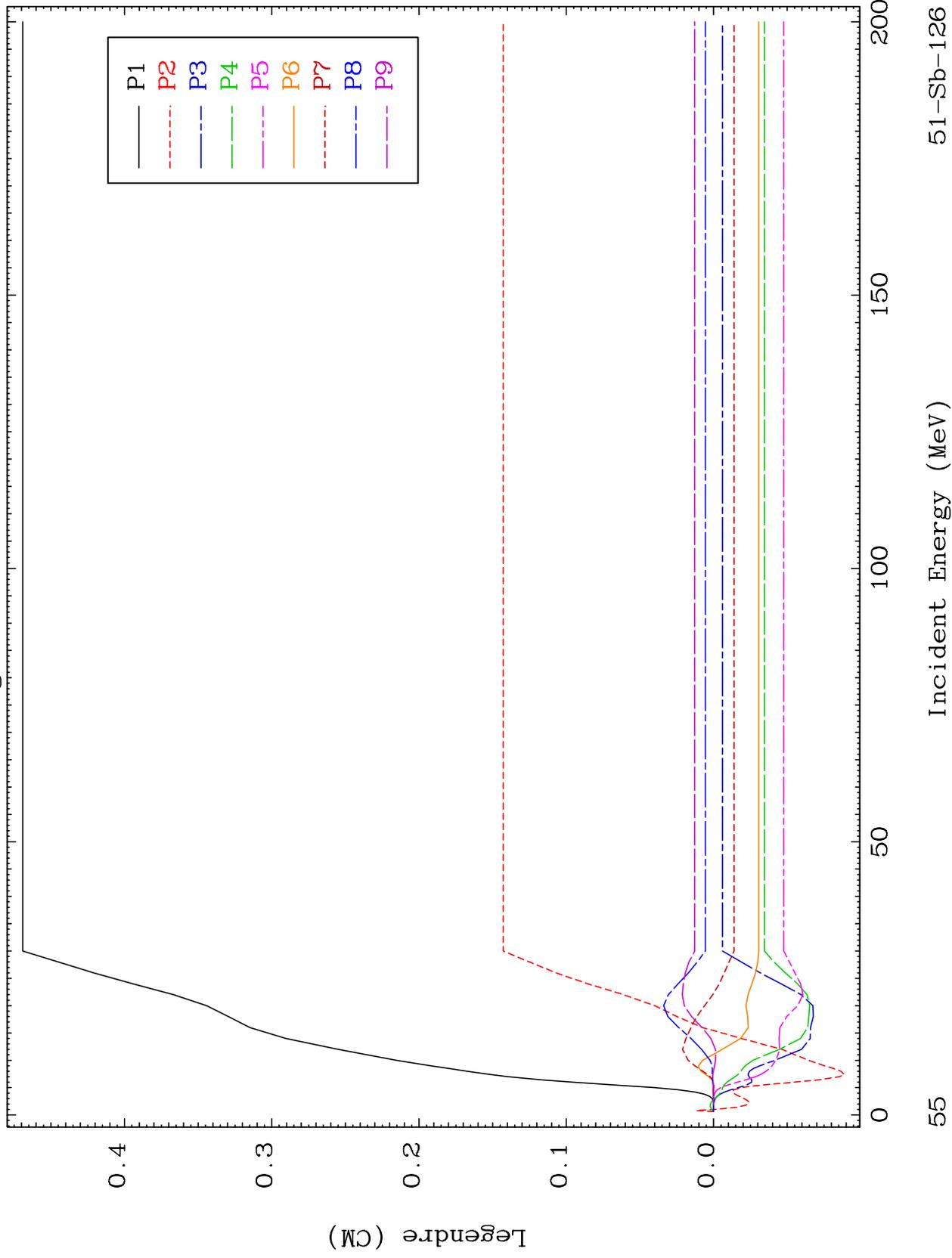
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



51-Sb-126

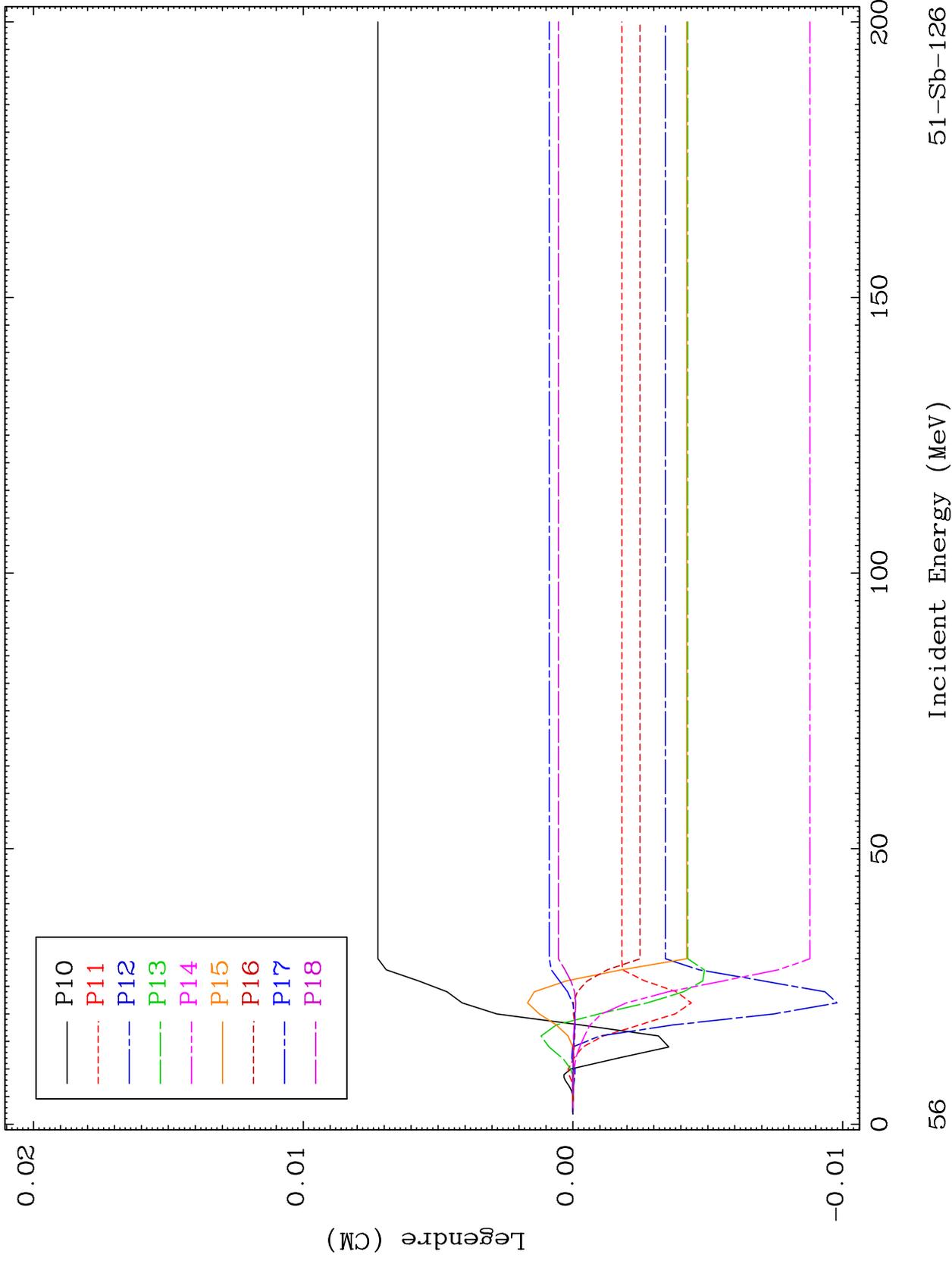
Incident Energy (MeV)

55

MAT 5140

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

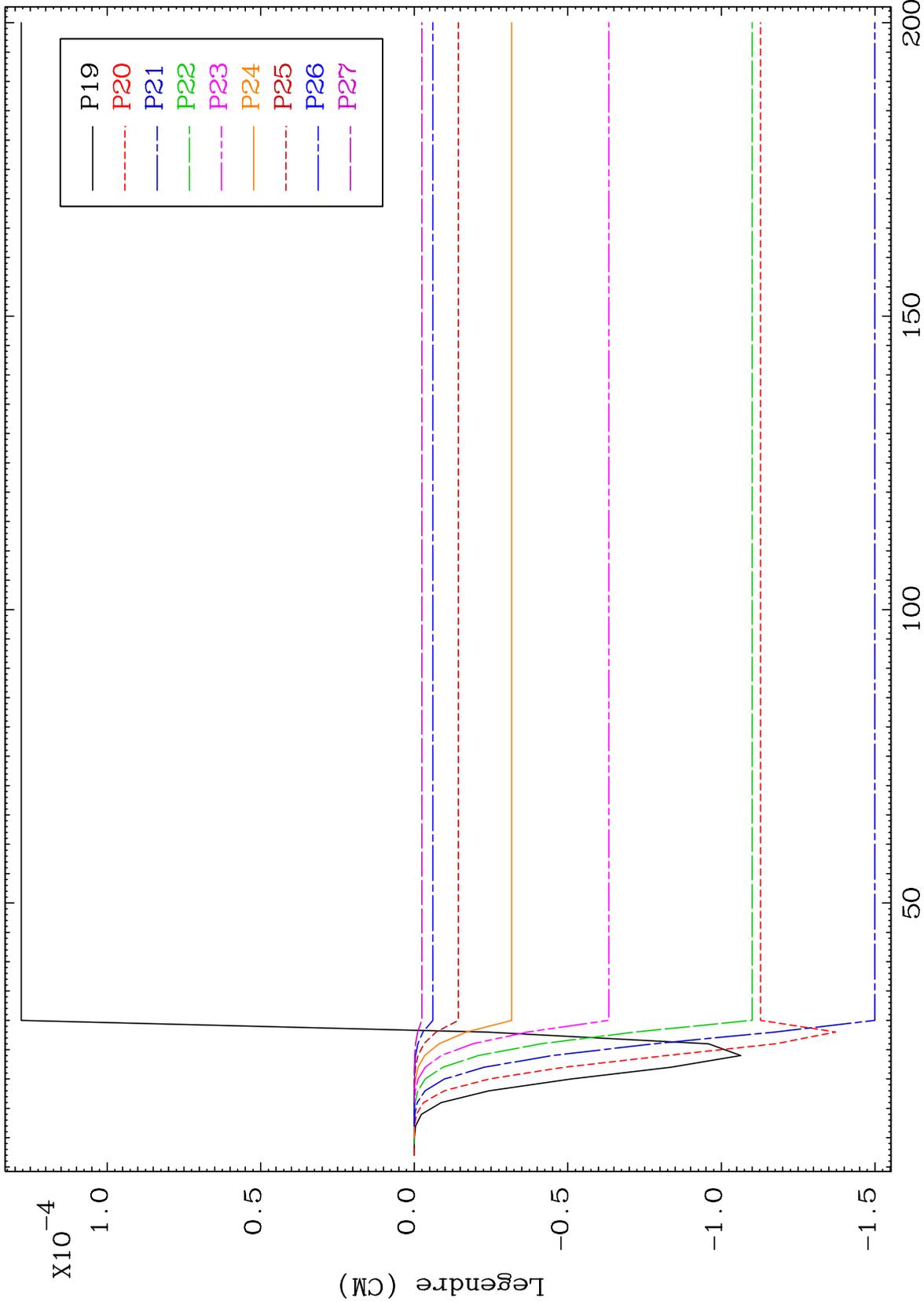
51-Sb-126



51-Sb-126

Incident Energy (MeV)

56

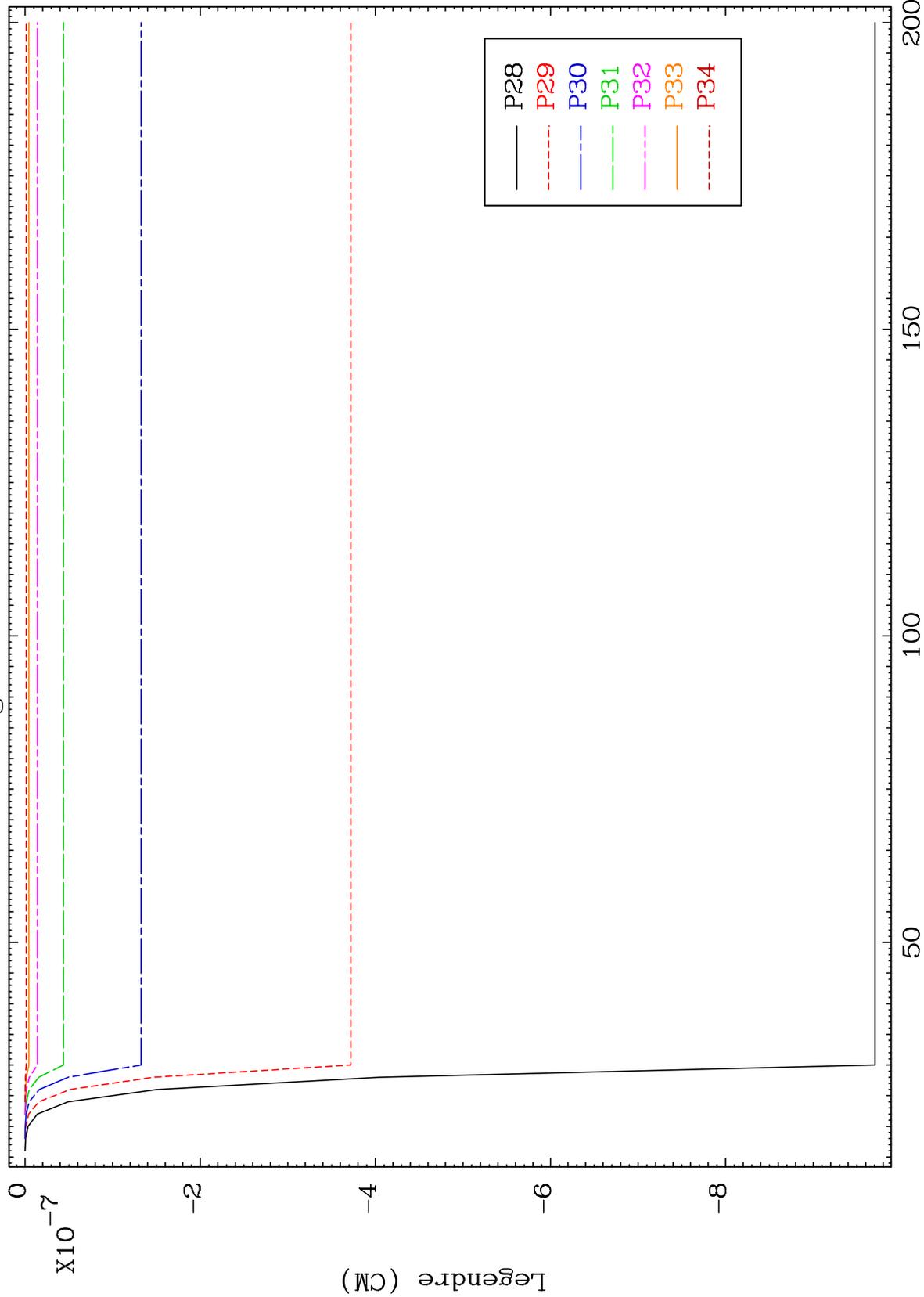


MAT 5140

MT= 61 (n,n') Level

51-Sb-126

Legendre Coefficients



58

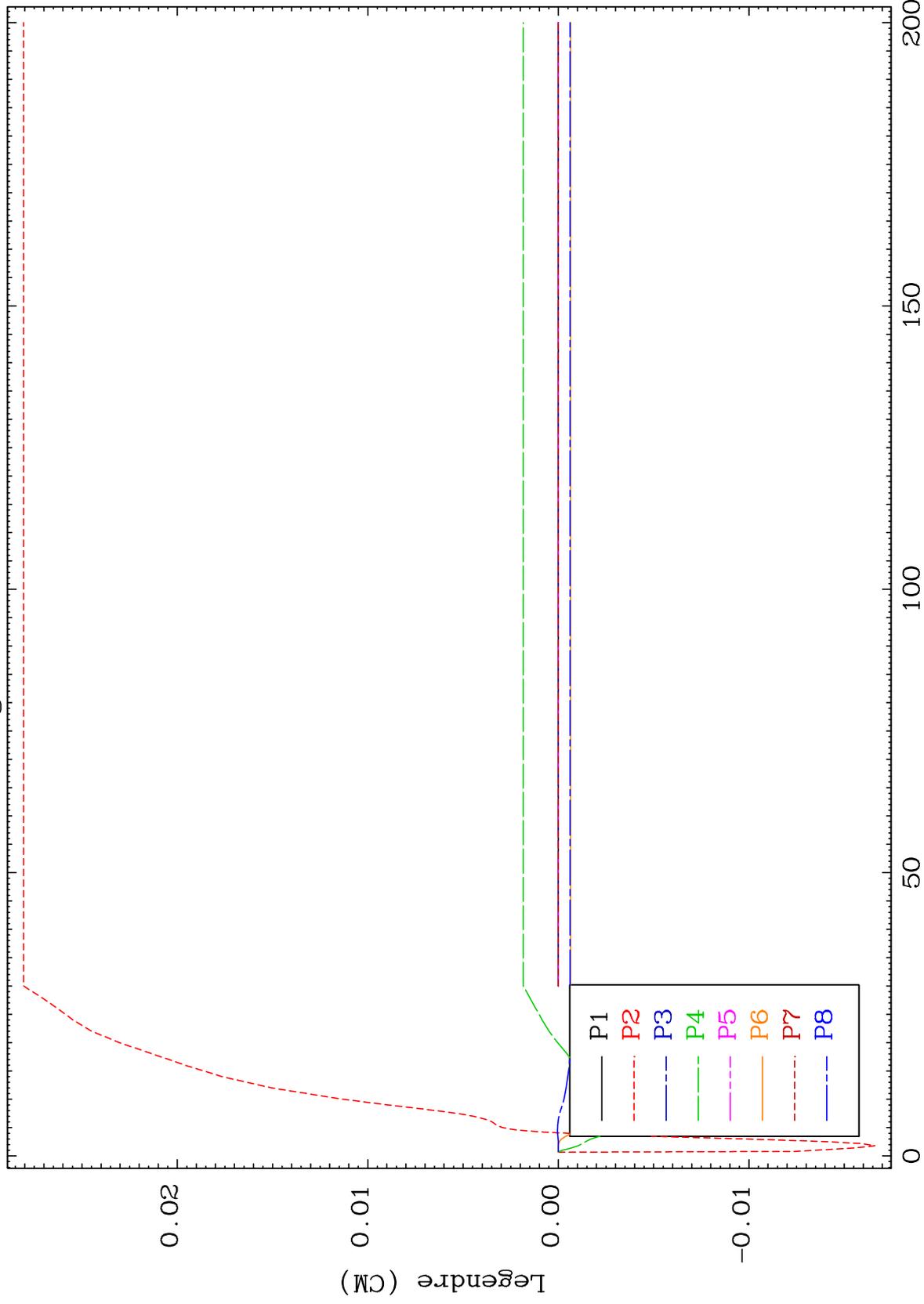
Incident Energy (MeV)

51-Sb-126

MAT 5140

51-Sb-126

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



51-Sb-126

Incident Energy (MeV)

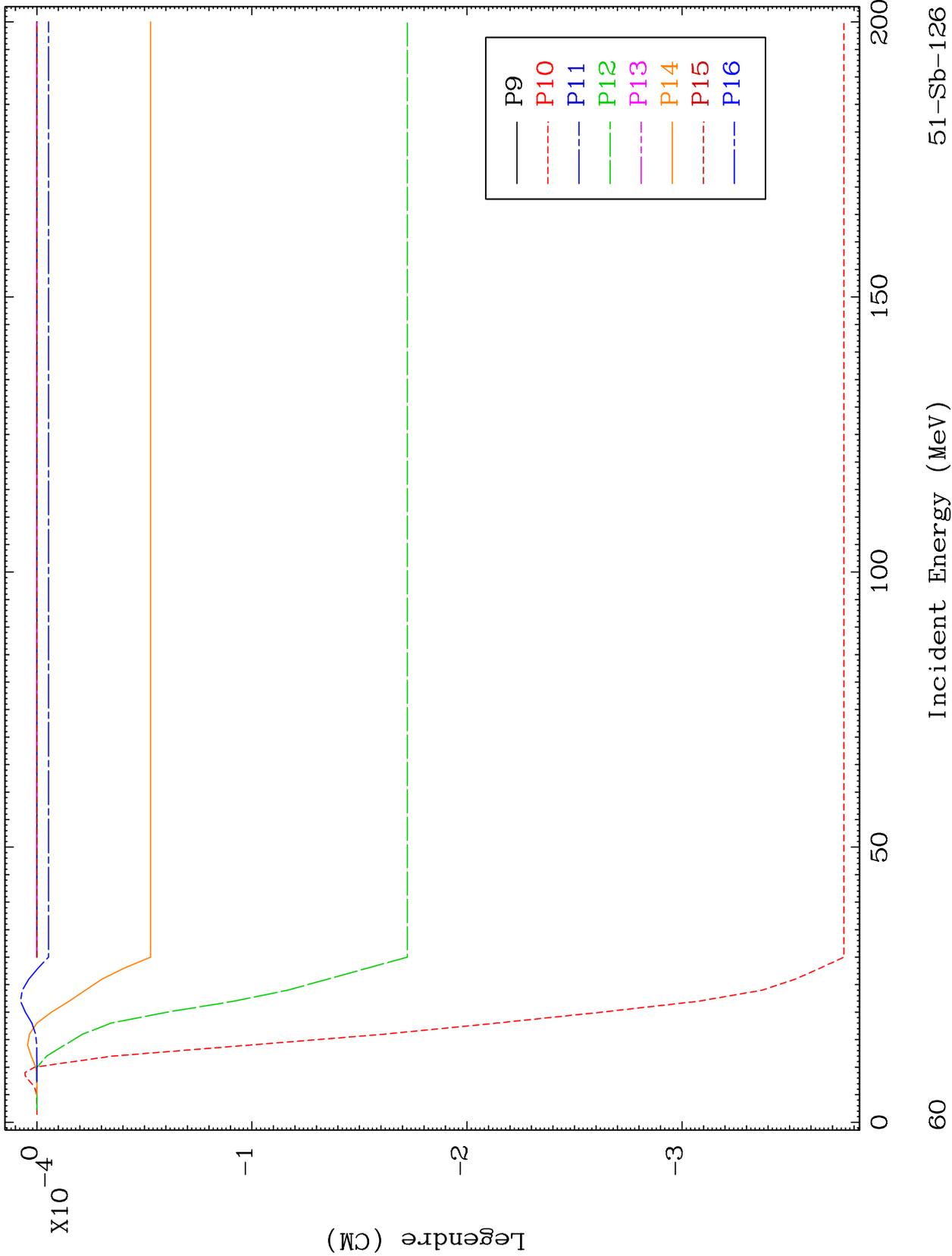
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MAT 5140

MT= 62 (n,n') Level

51-Sb-126

Legendre Coefficients



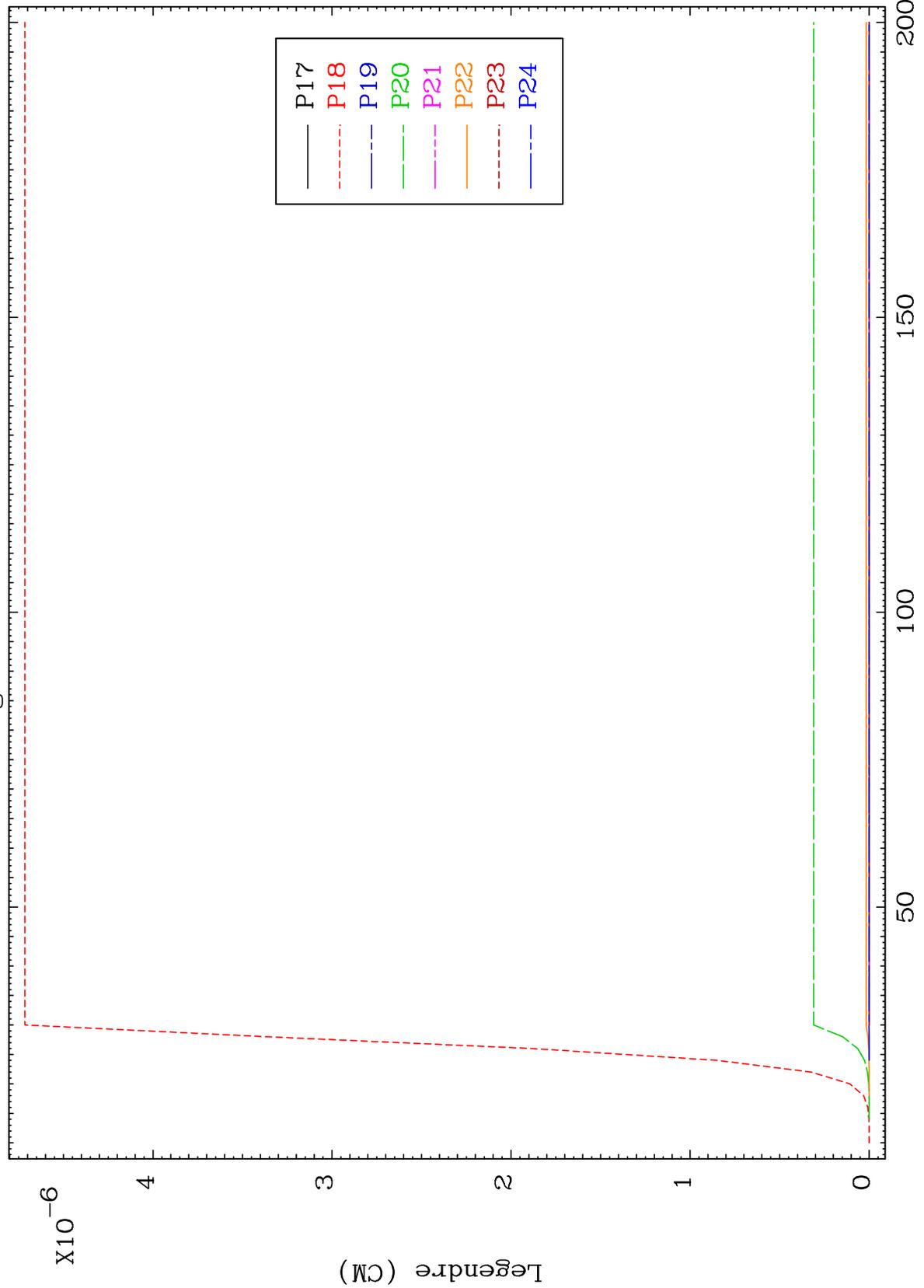
51-Sb-126

Incident Energy (MeV)

MAT 5140

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

51-Sb-126



51-Sb-126

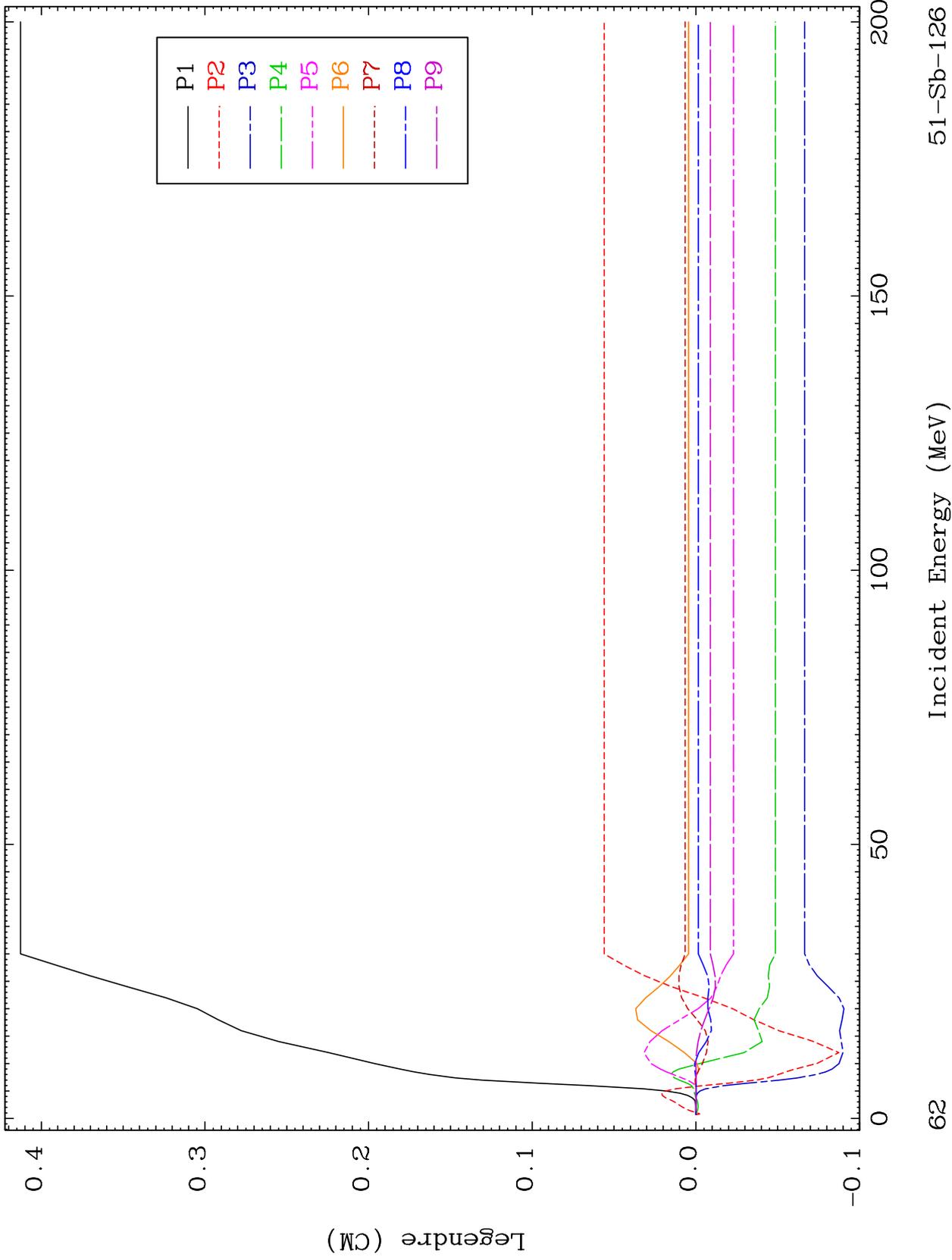
Incident Energy (MeV)

61

MAT 5140

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

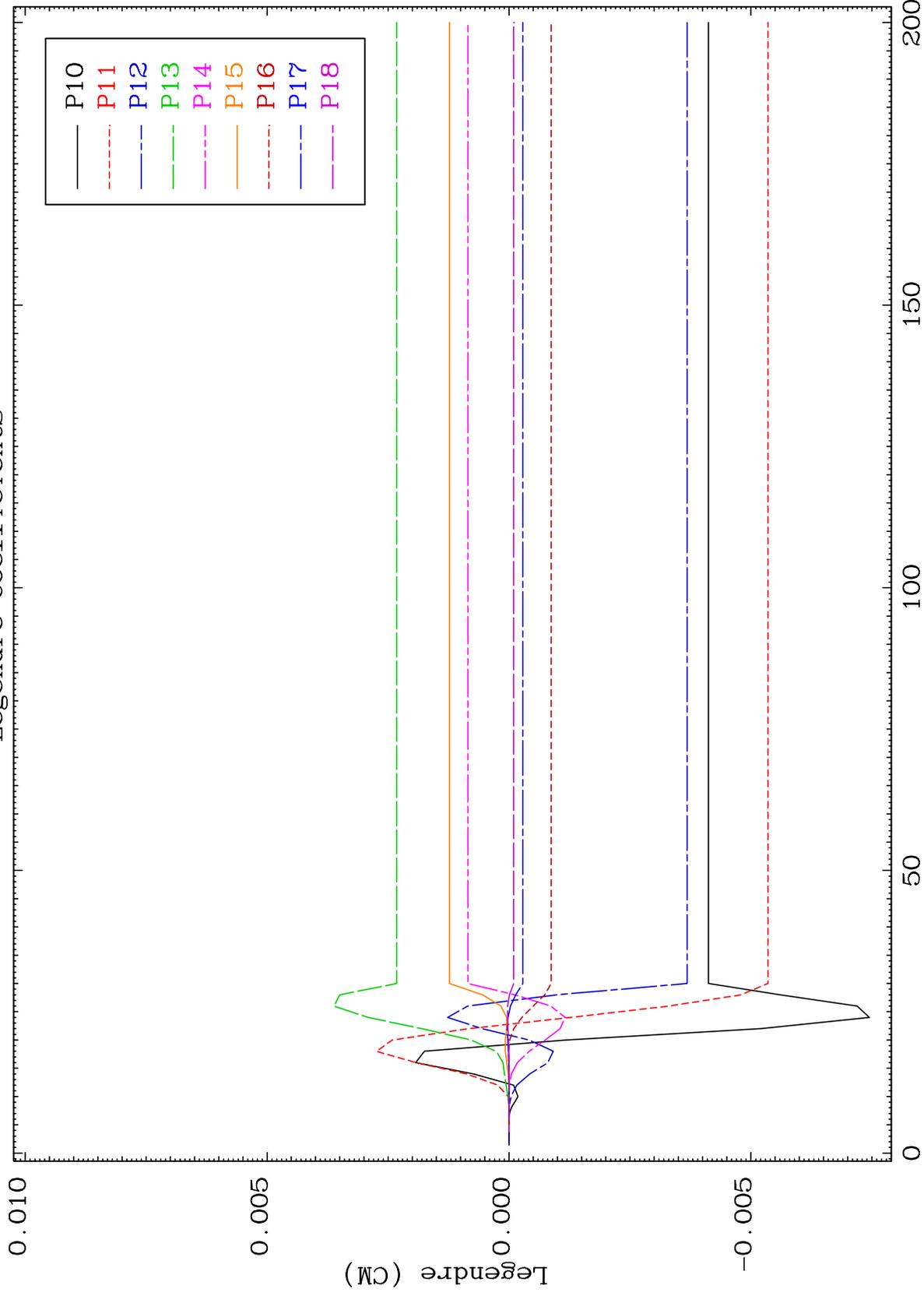
51-Sb-126



MAT 5140

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

51-Sb-126



63

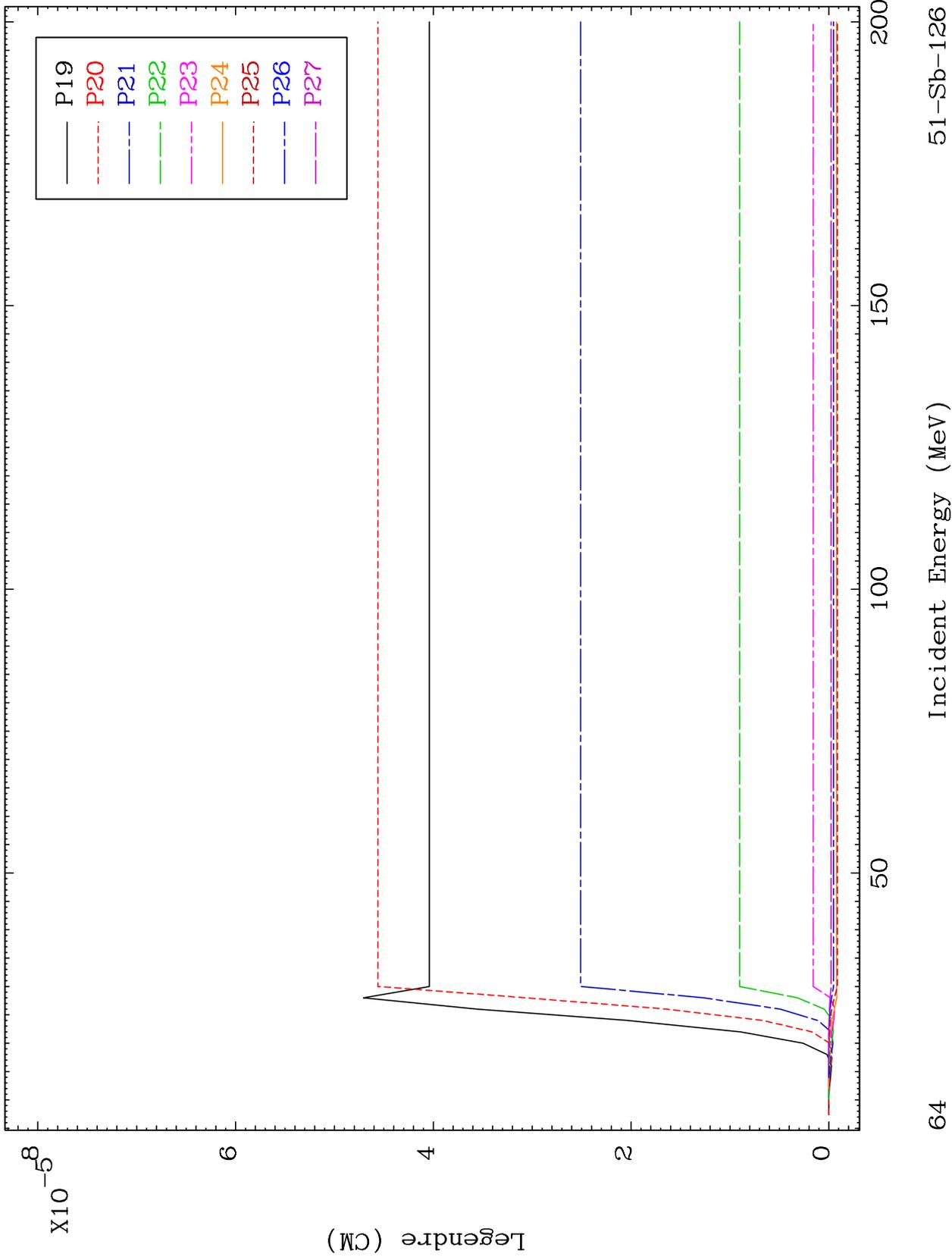
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

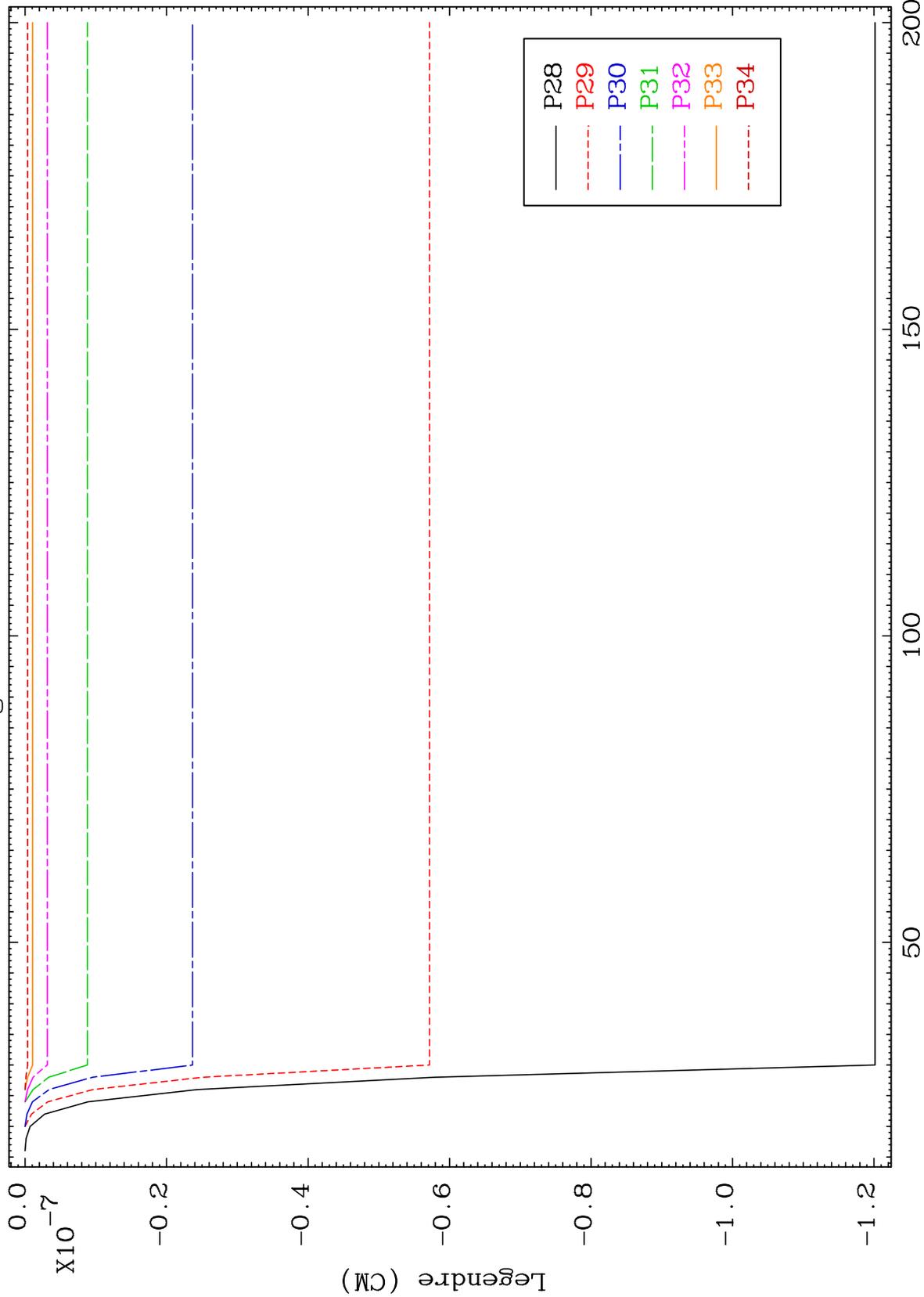
51-Sb-126



MAT 5140

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

51-Sb-126



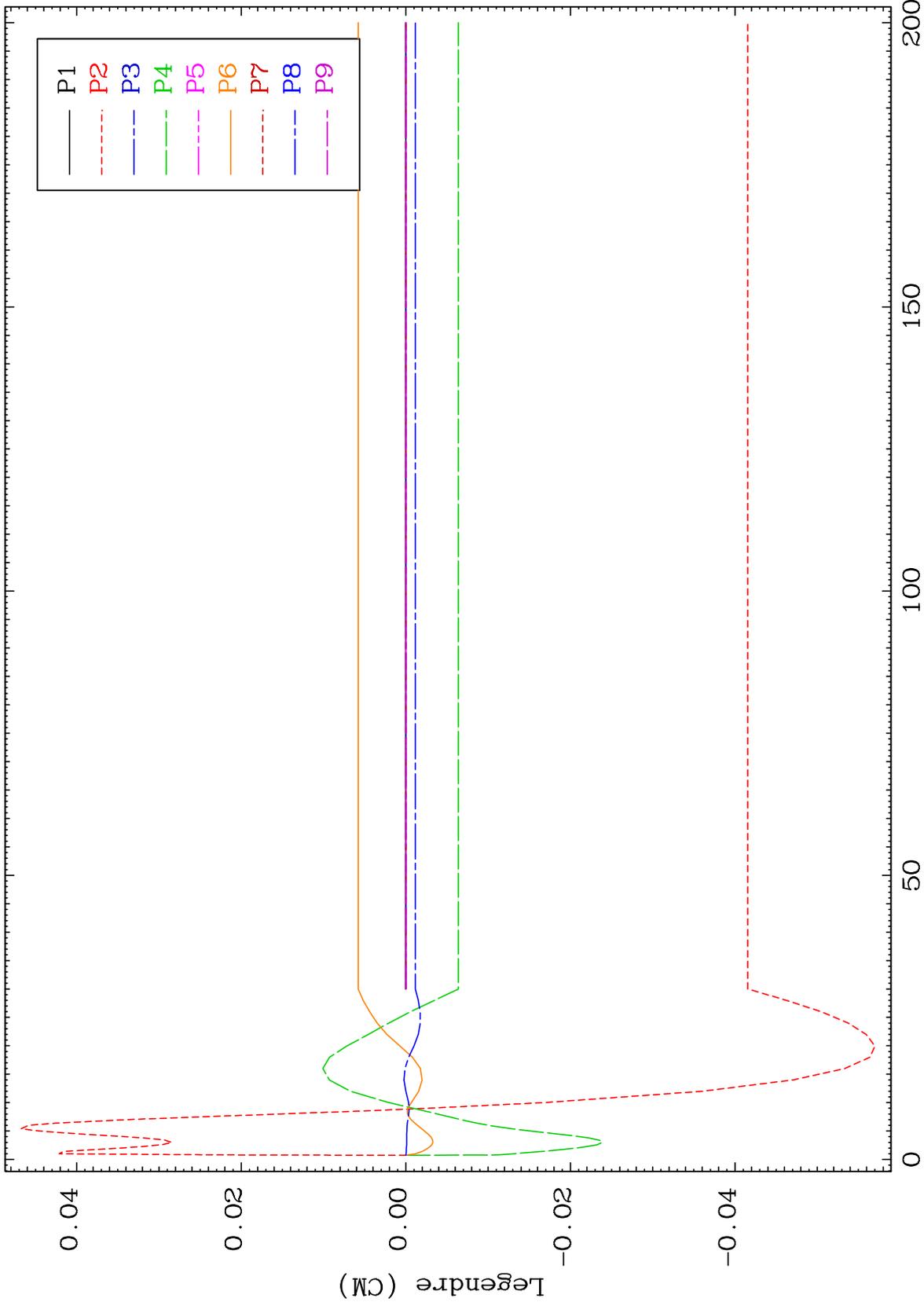
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51-Sb-126

MAT 5140

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

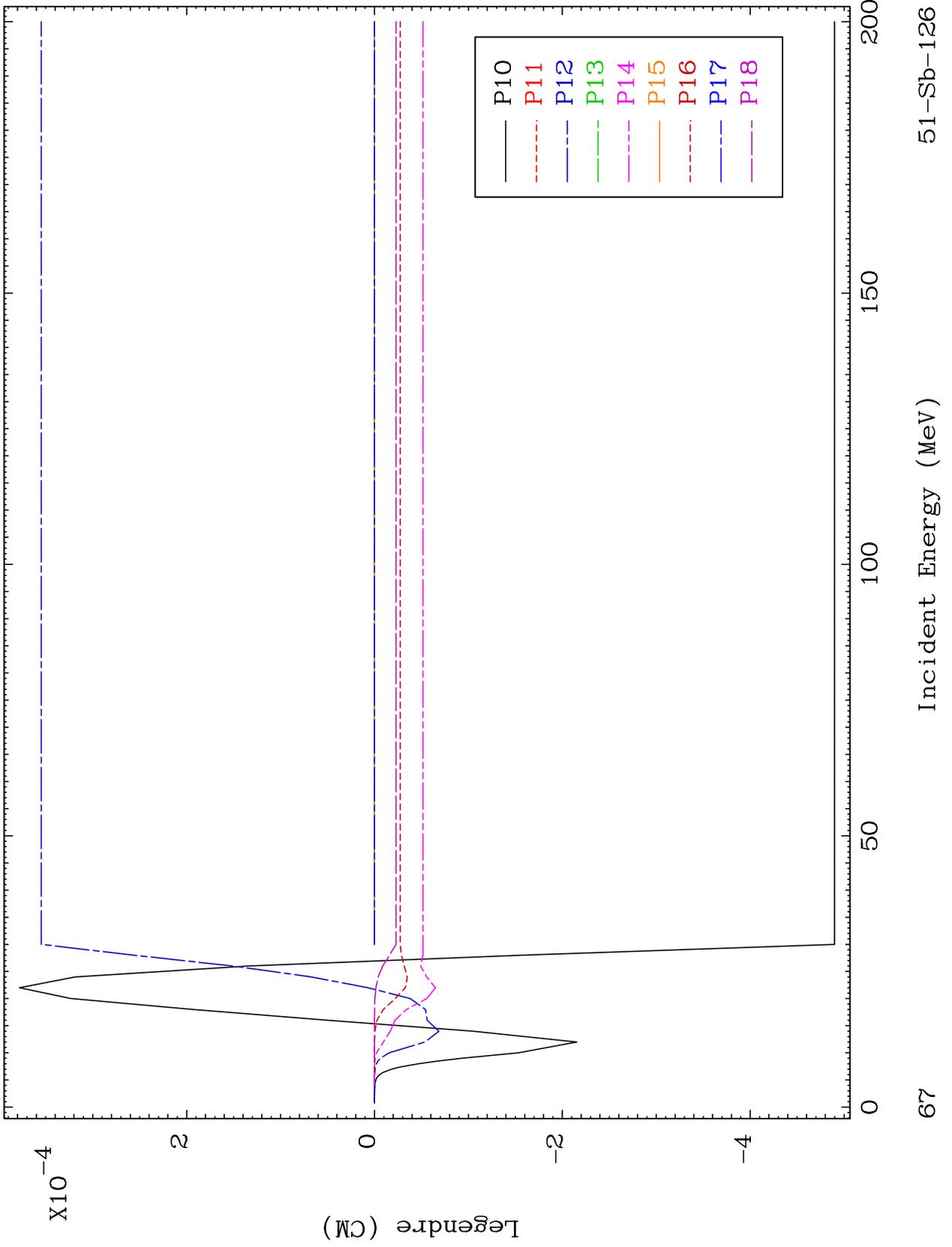
51-Sb-126



66

Incident Energy (MeV)

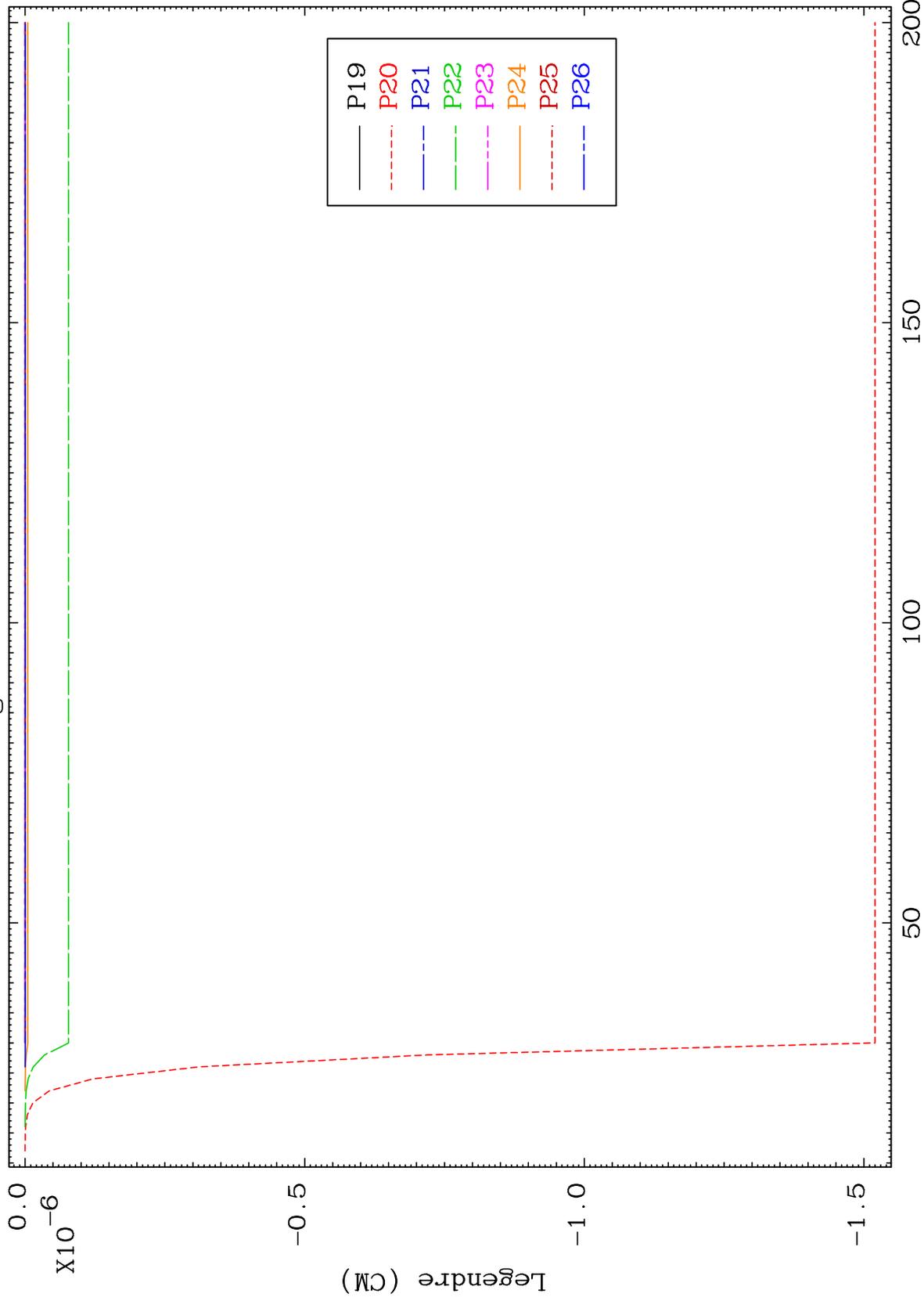
51-Sb-126



MAT 5140

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

51-Sb-126



68

Incident Energy (MeV)

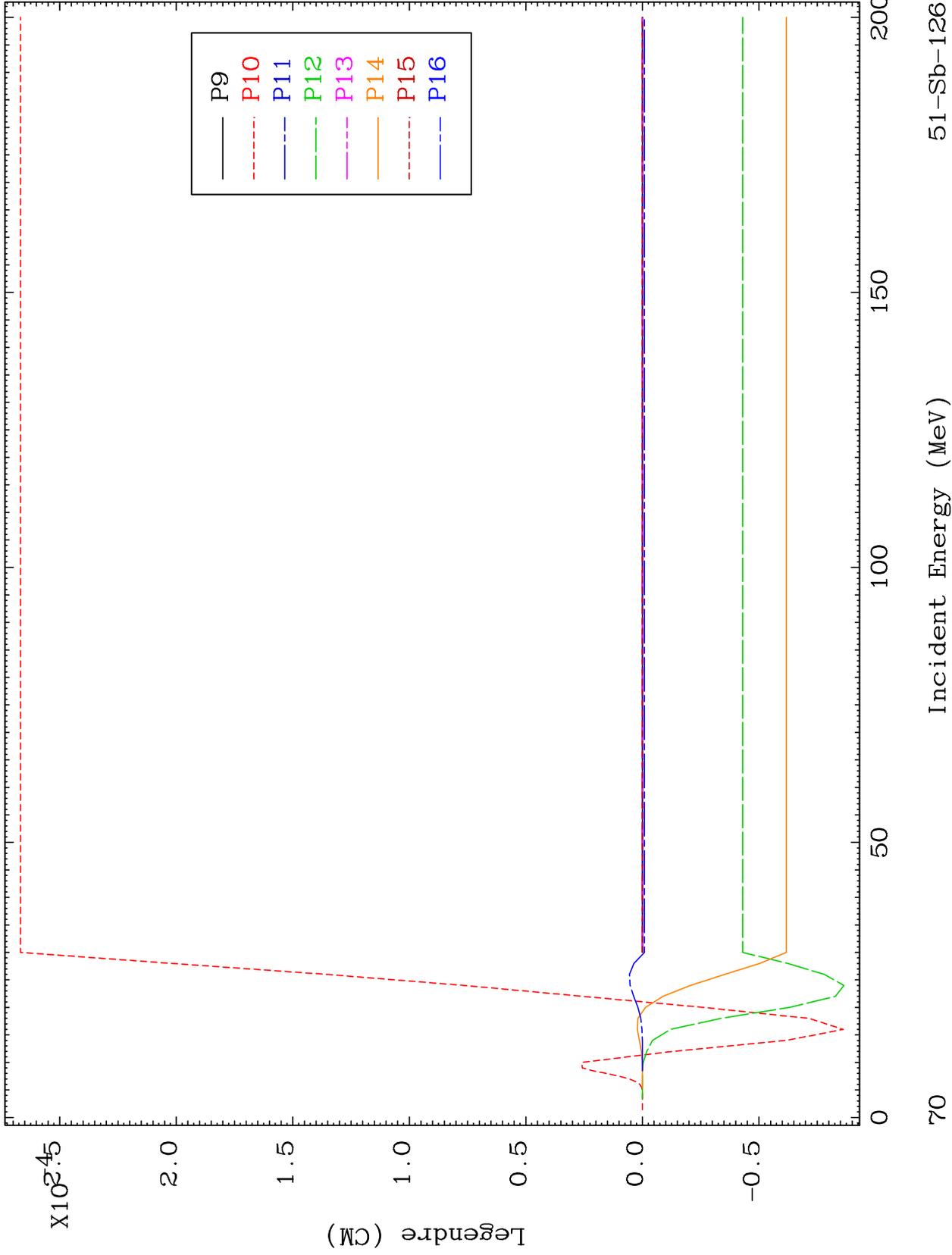
51-Sb-126



MAT 5140

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

51-Sb-126

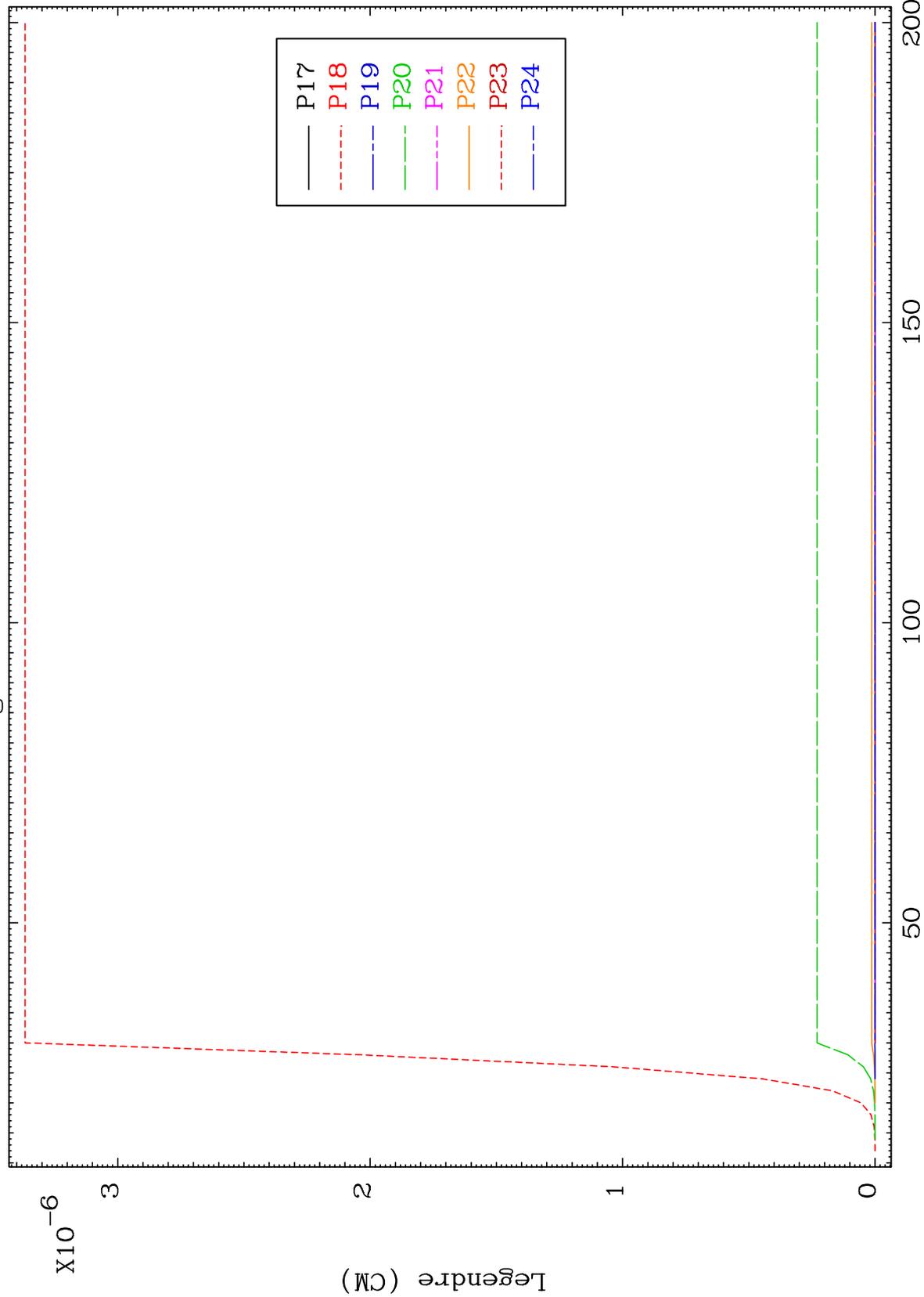


51-Sb-126

MAT 5140

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

51-Sb-126



51-Sb-126

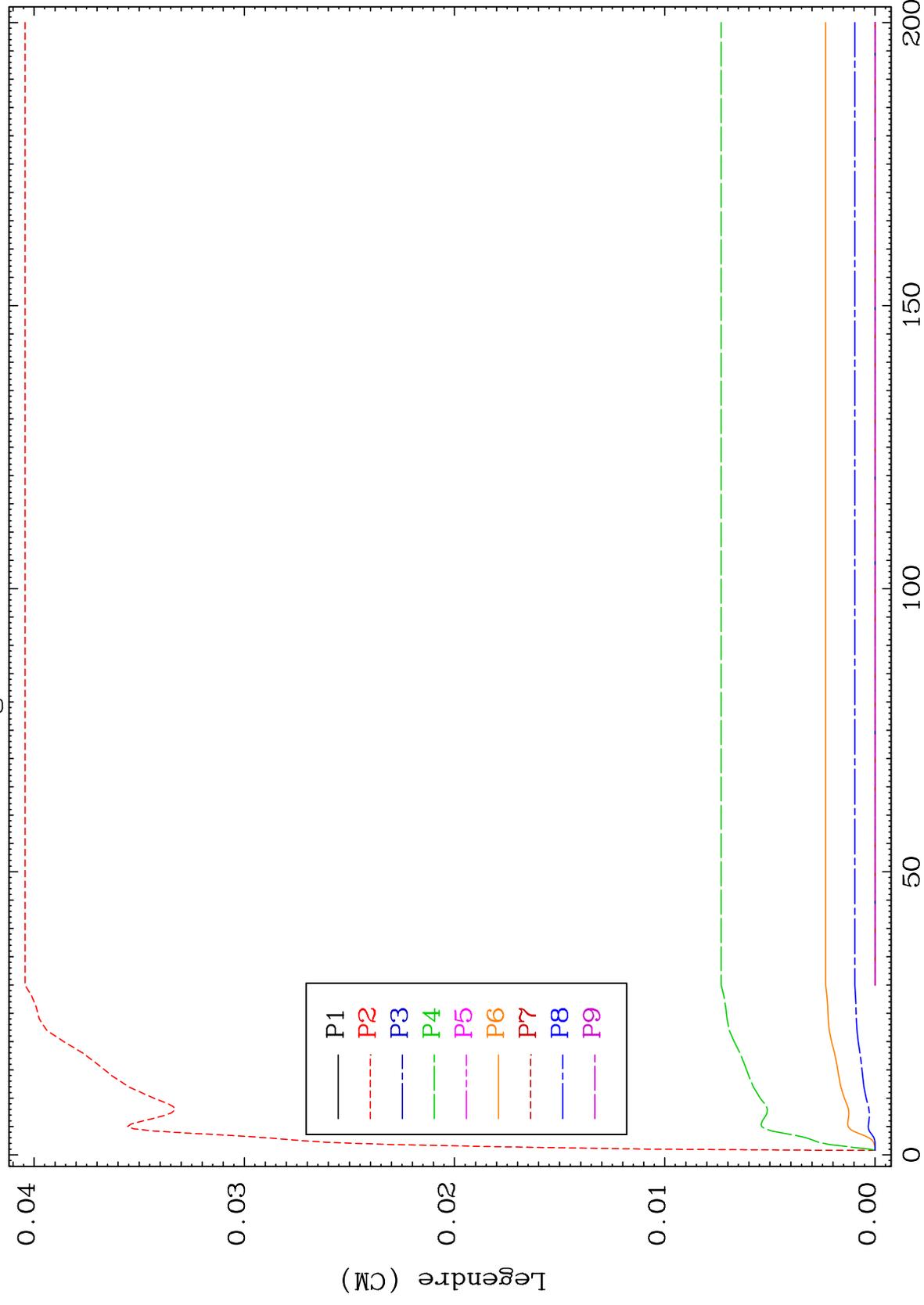
Incident Energy (MeV)

71

MAT 5140

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

51-Sb-126



72

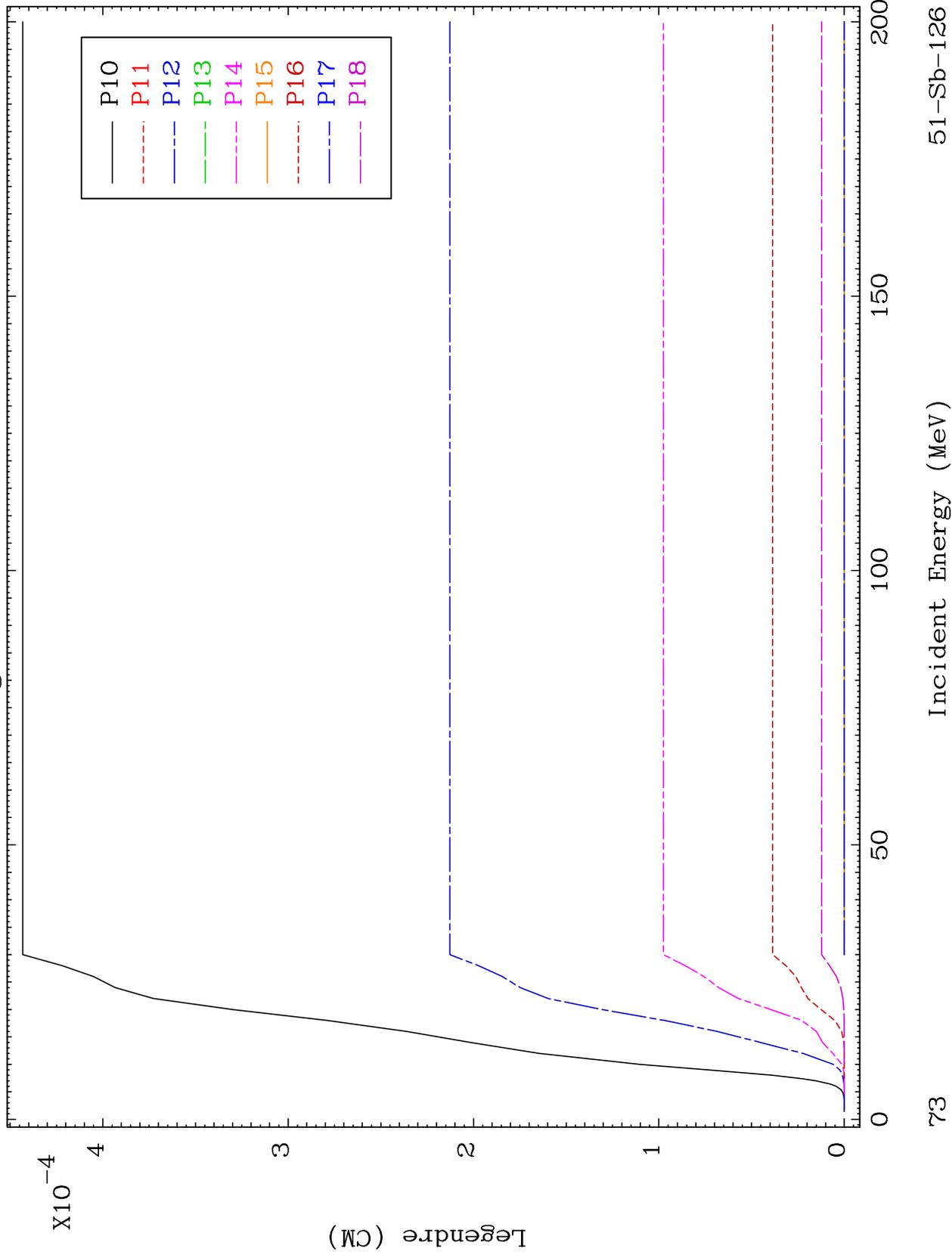
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

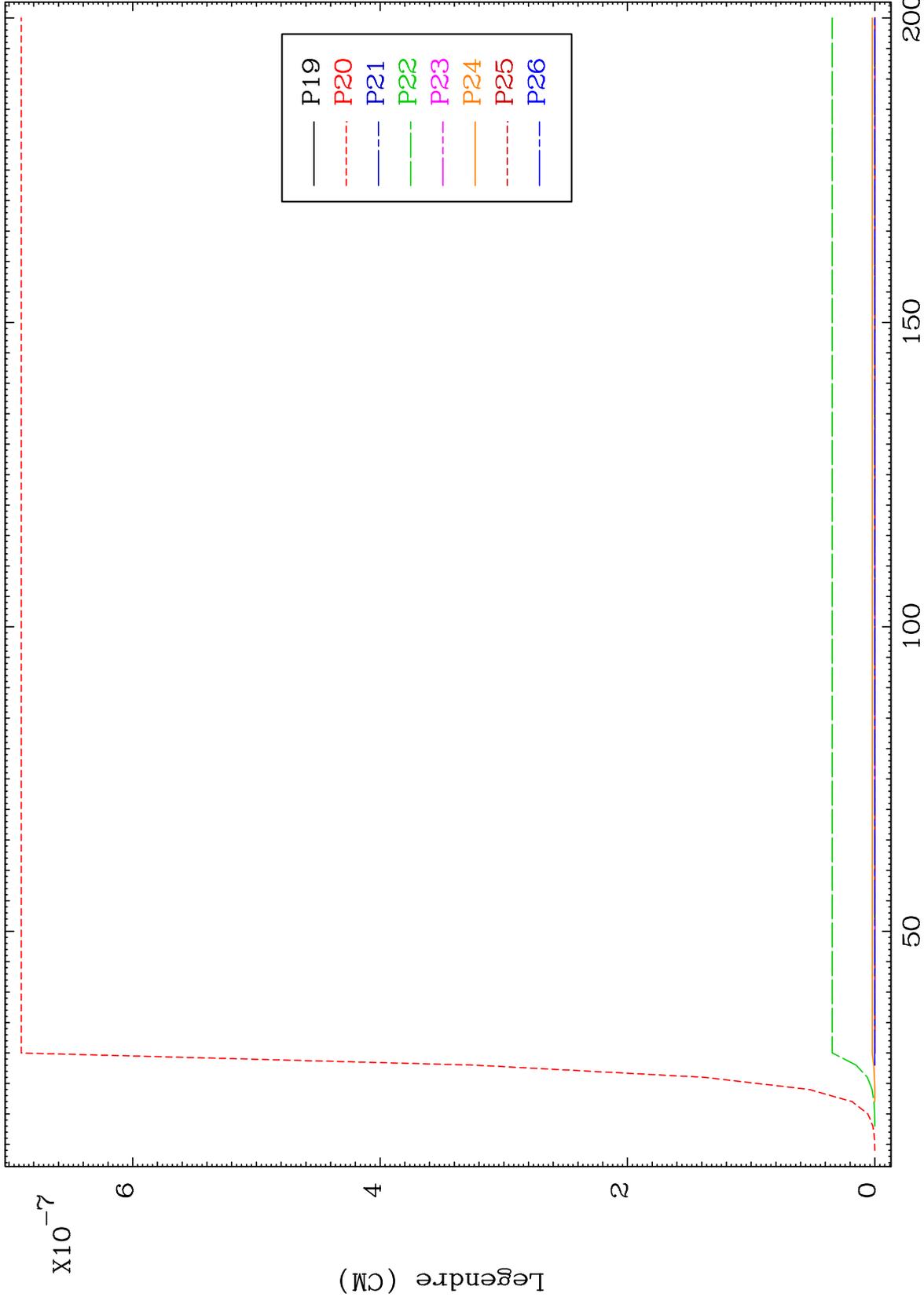
51-Sb-126



MAT 5140

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

51-Sb-126



74

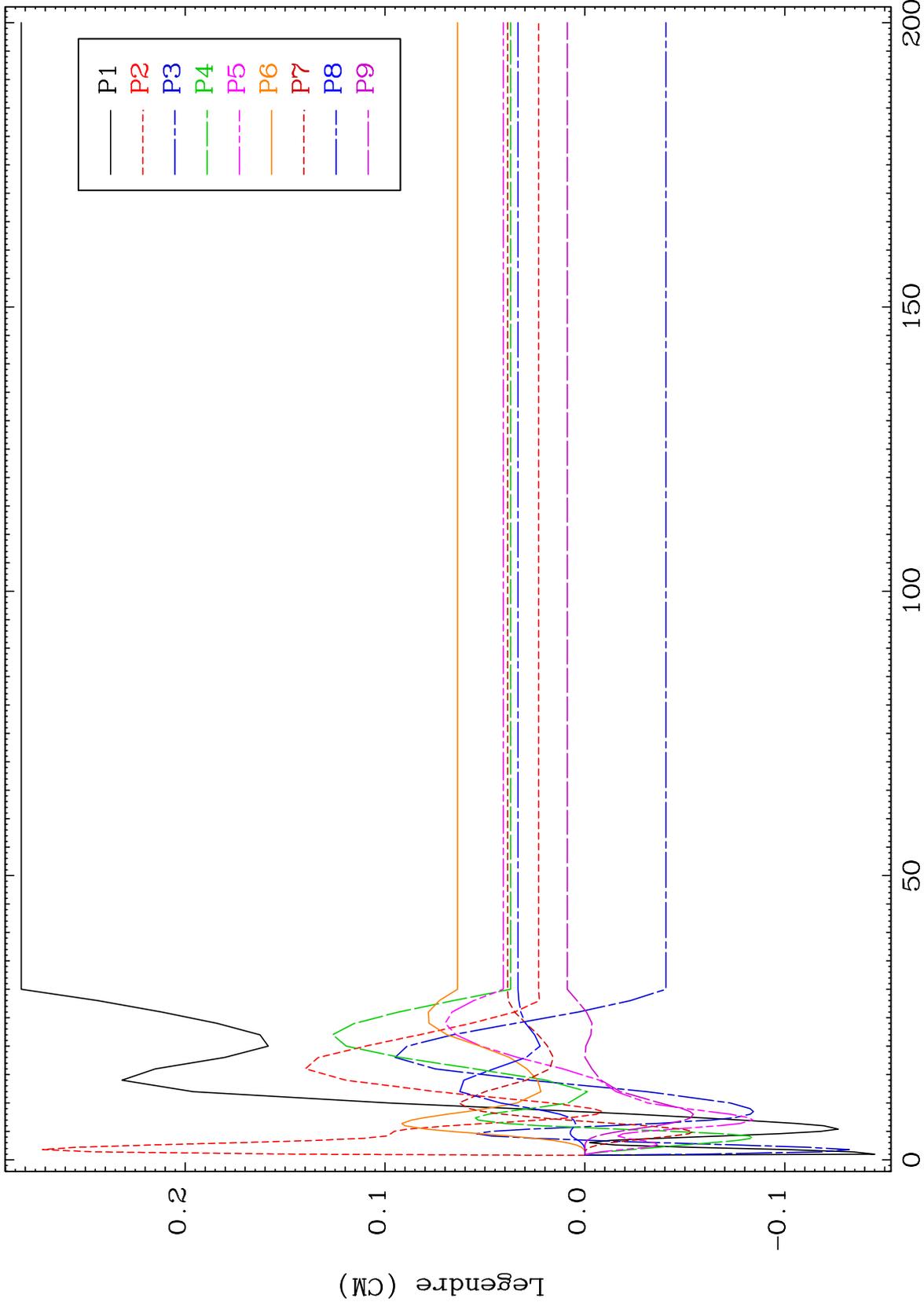
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



51-Sb-126

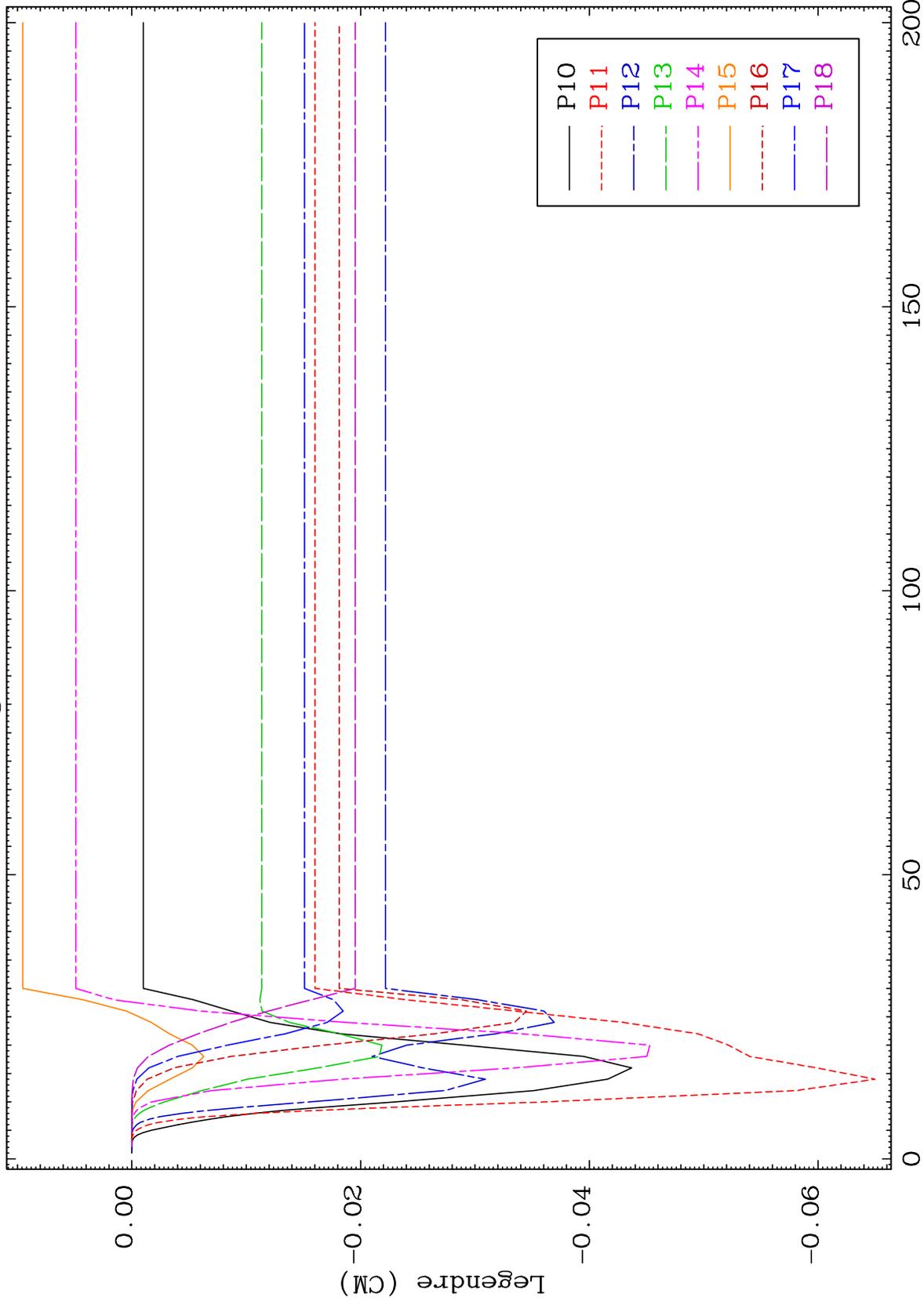
Incident Energy (MeV)

75

MAT 5140

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

51-Sb-126



76

Incident Energy (MeV)

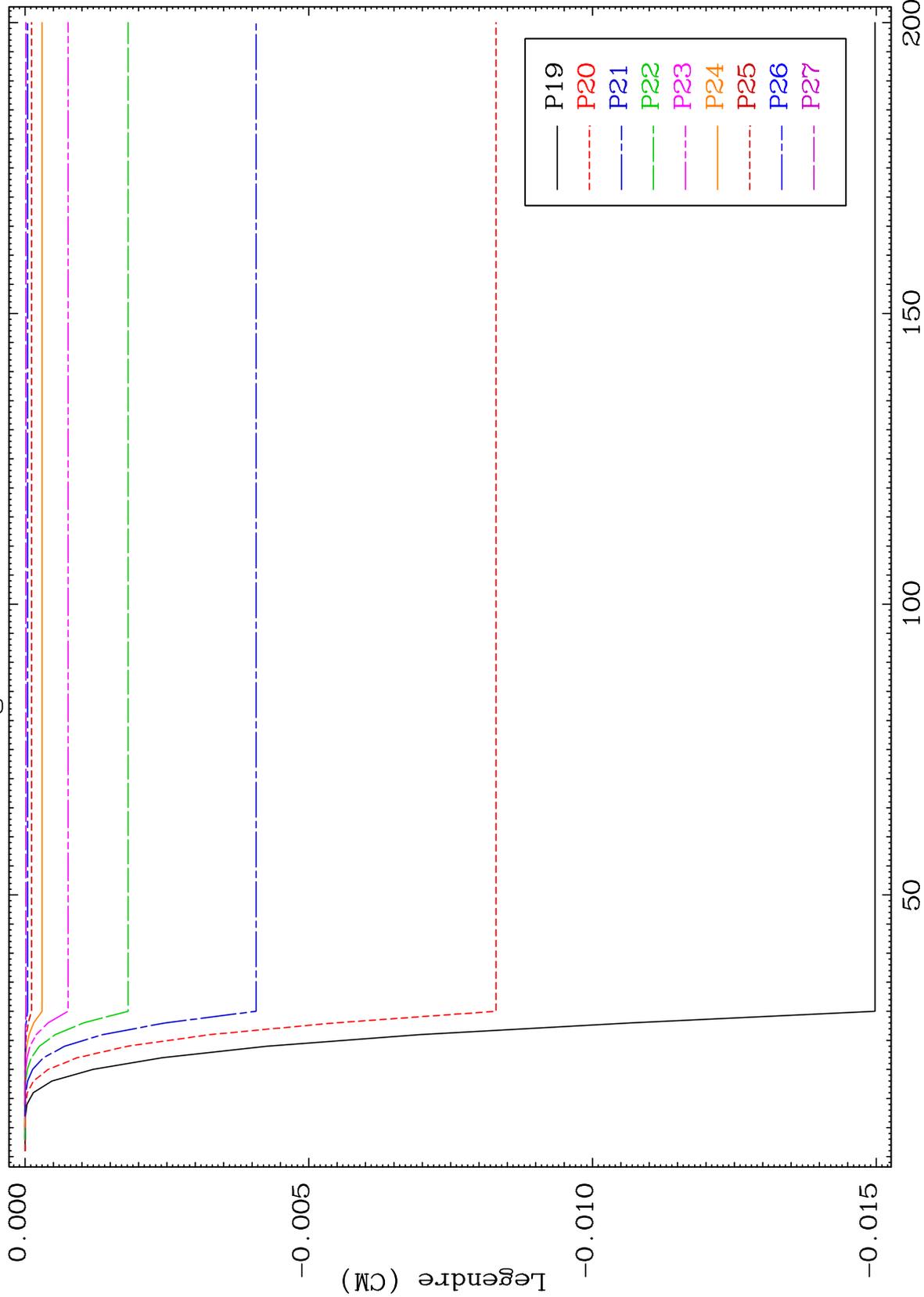
51-Sb-126

MAT 5140

MT= 67 (n,n') Level

51-Sb-126

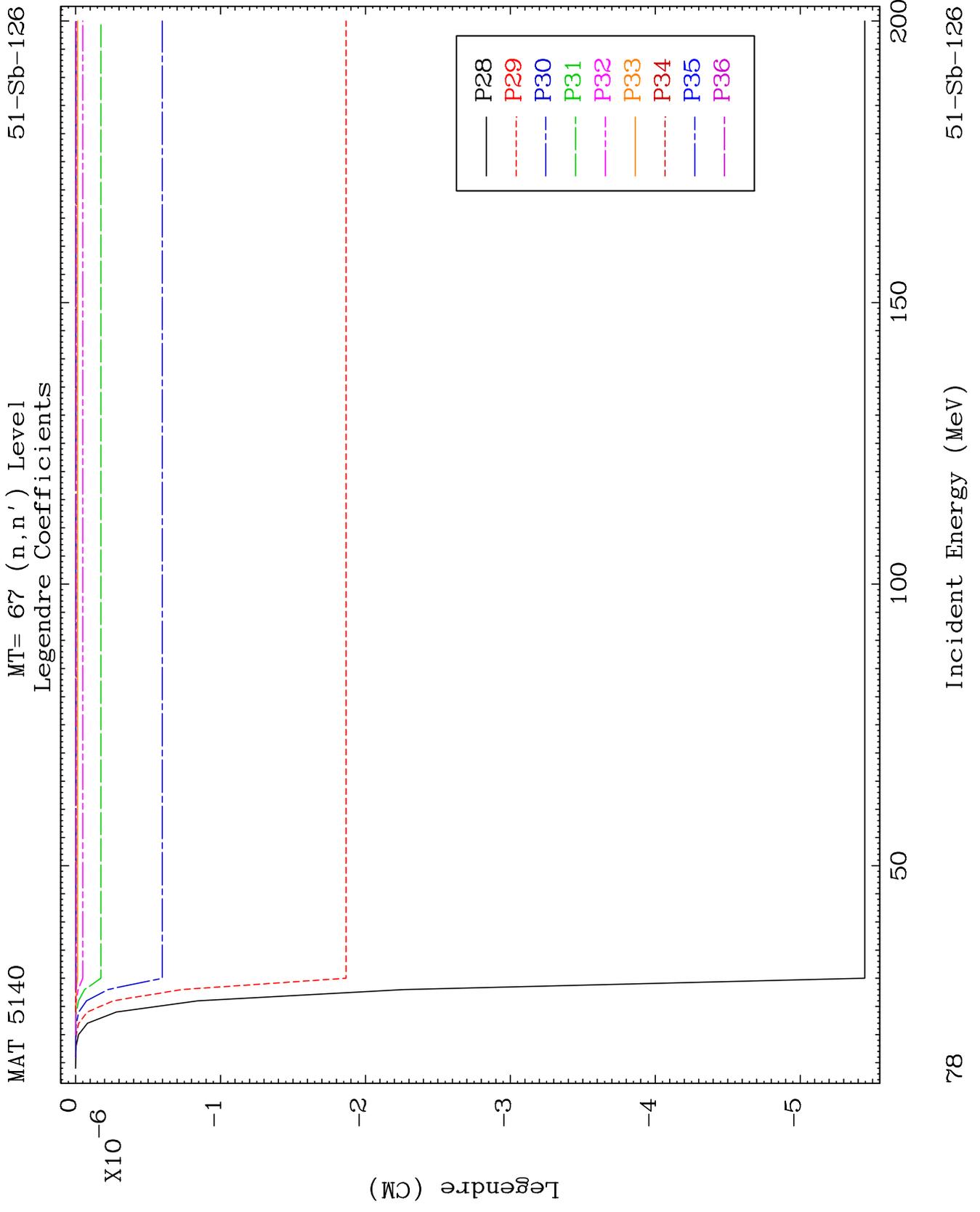
Legendre Coefficients



51-Sb-126

Incident Energy (MeV)

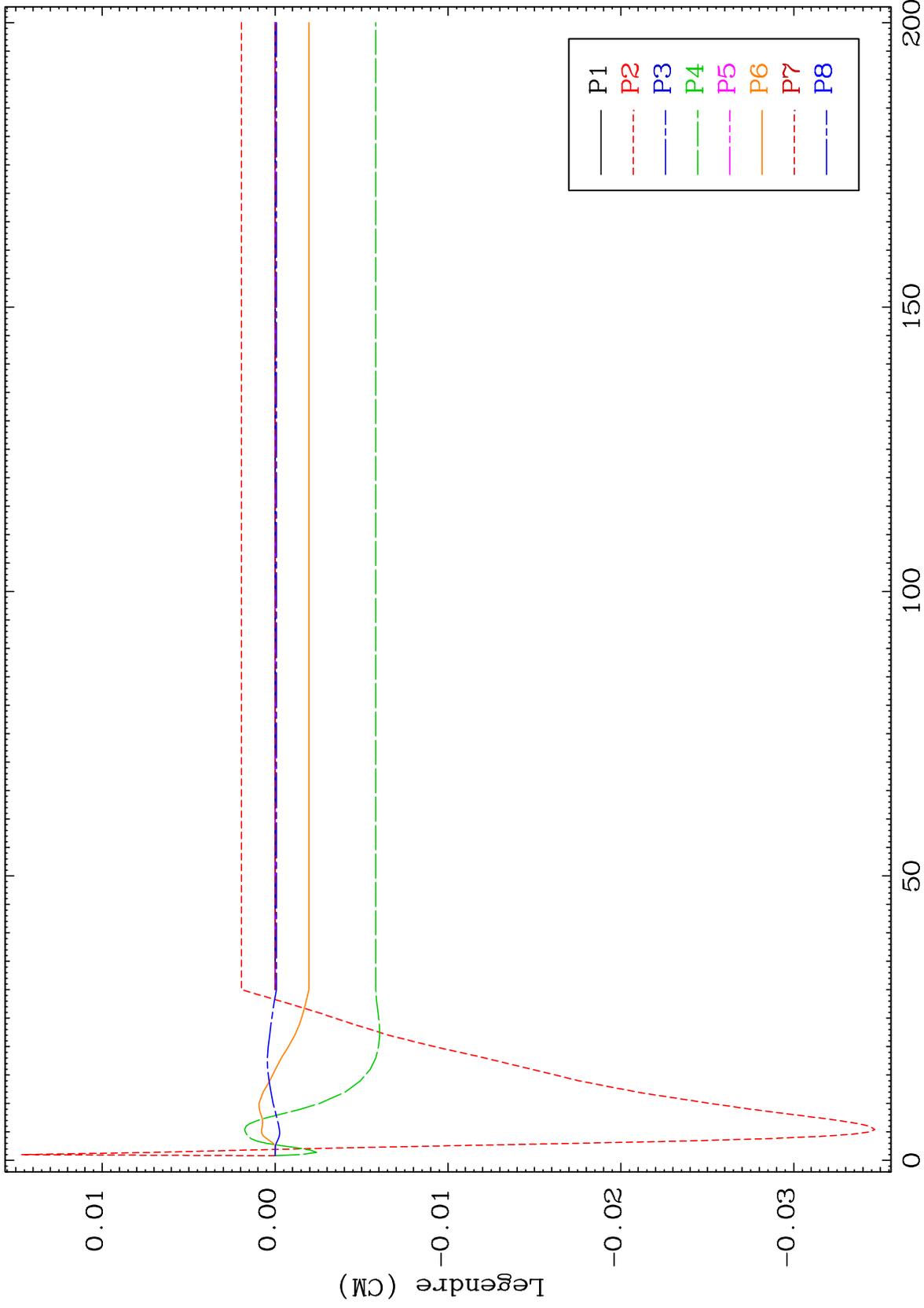
77



MAT 5140

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

51-Sb-126



51-Sb-126

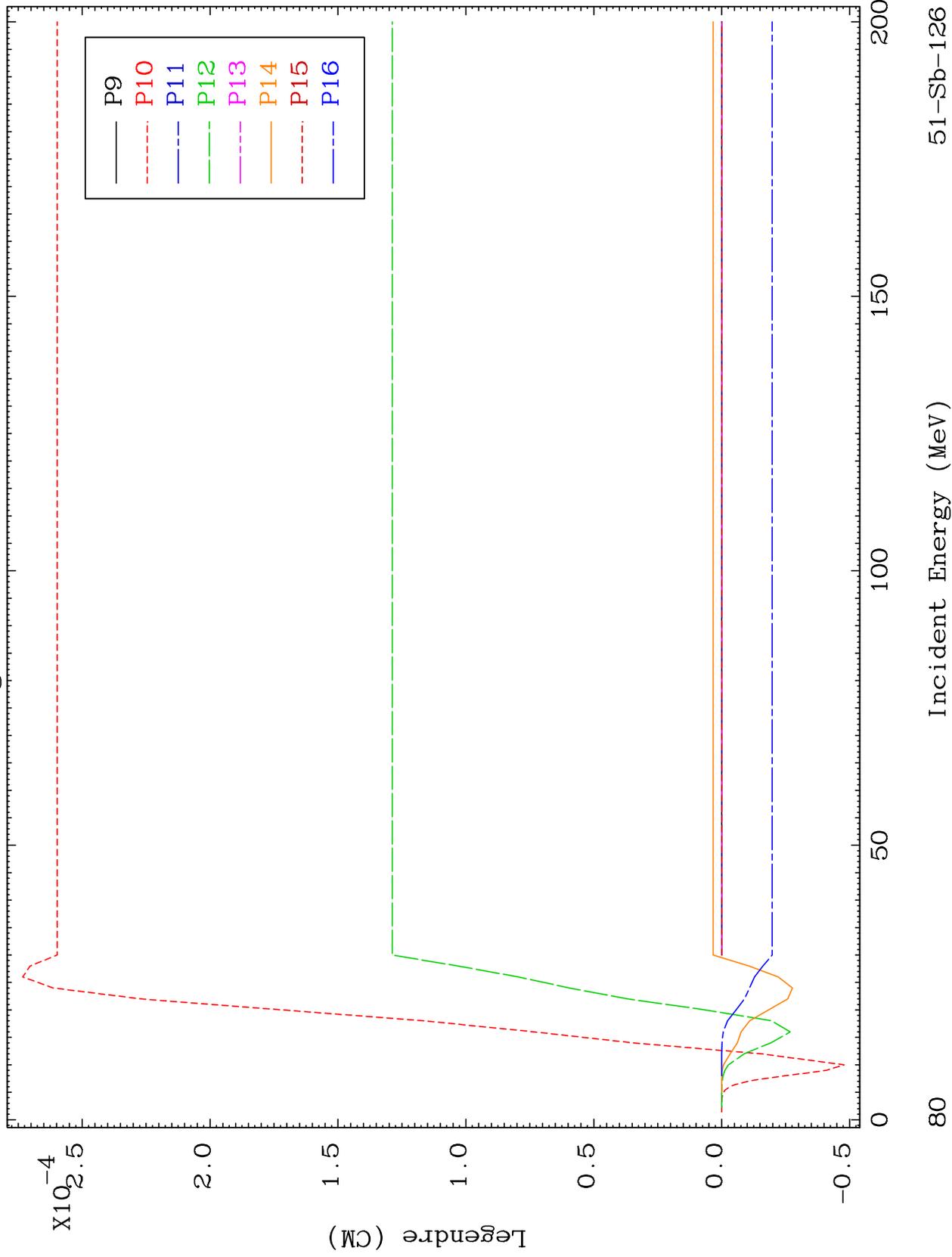
Incident Energy (MeV)

79

MAT 5140

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

51-Sb-126

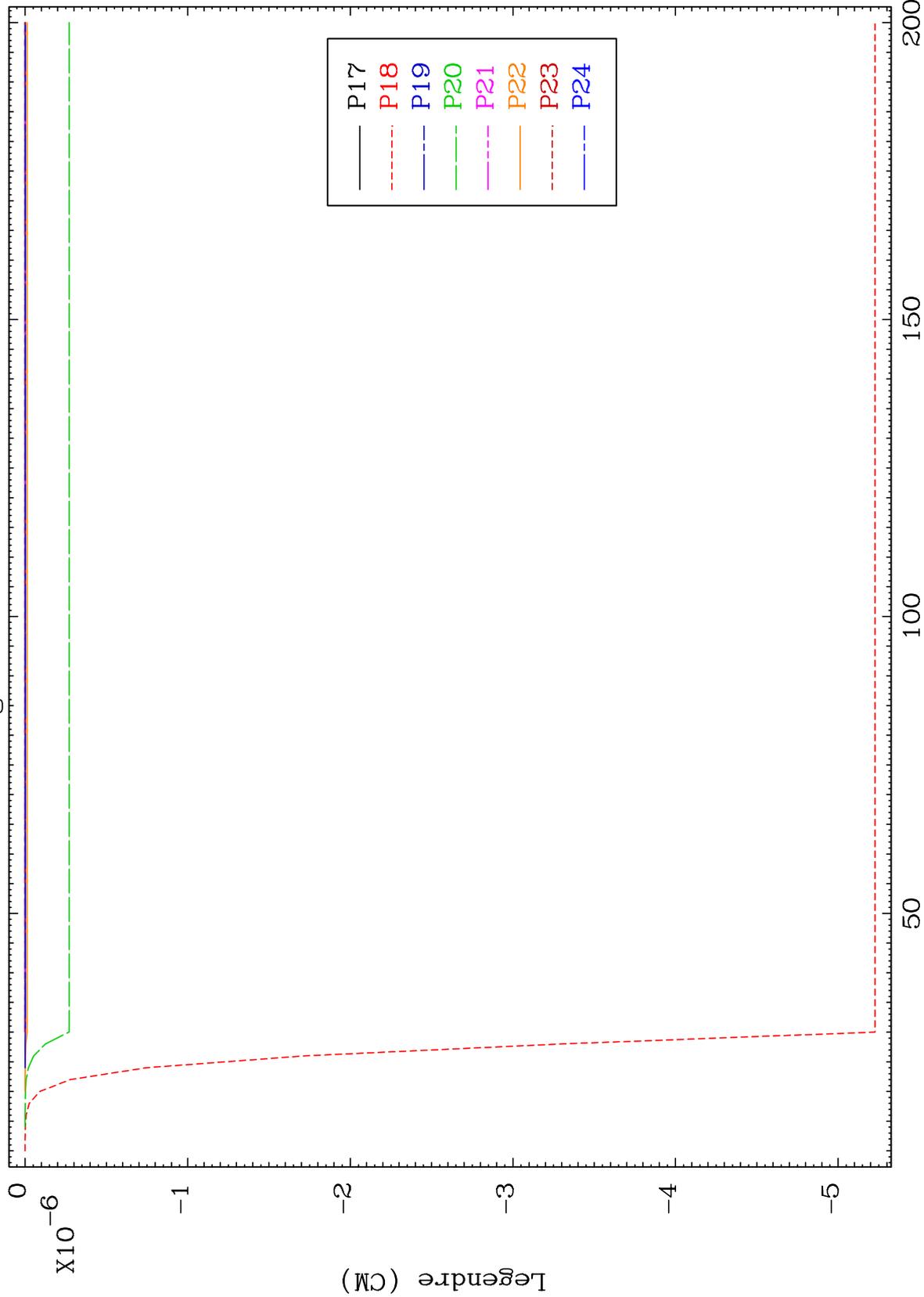


51-Sb-126

MAT 5140

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

51-Sb-126



51-Sb-126

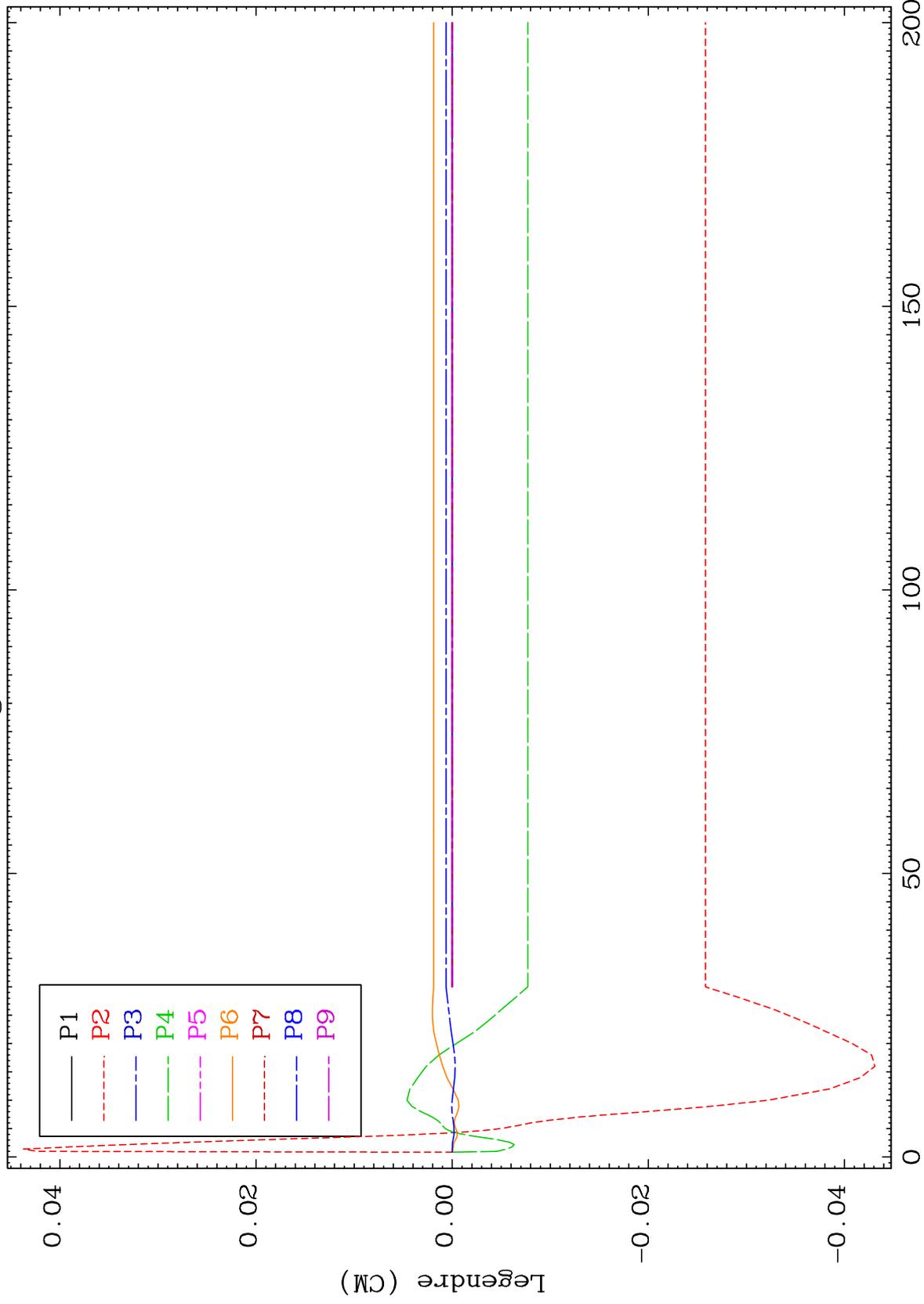
Incident Energy (MeV)

81

MAT 5140

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

51-Sb-126



51-Sb-126

Incident Energy (MeV)

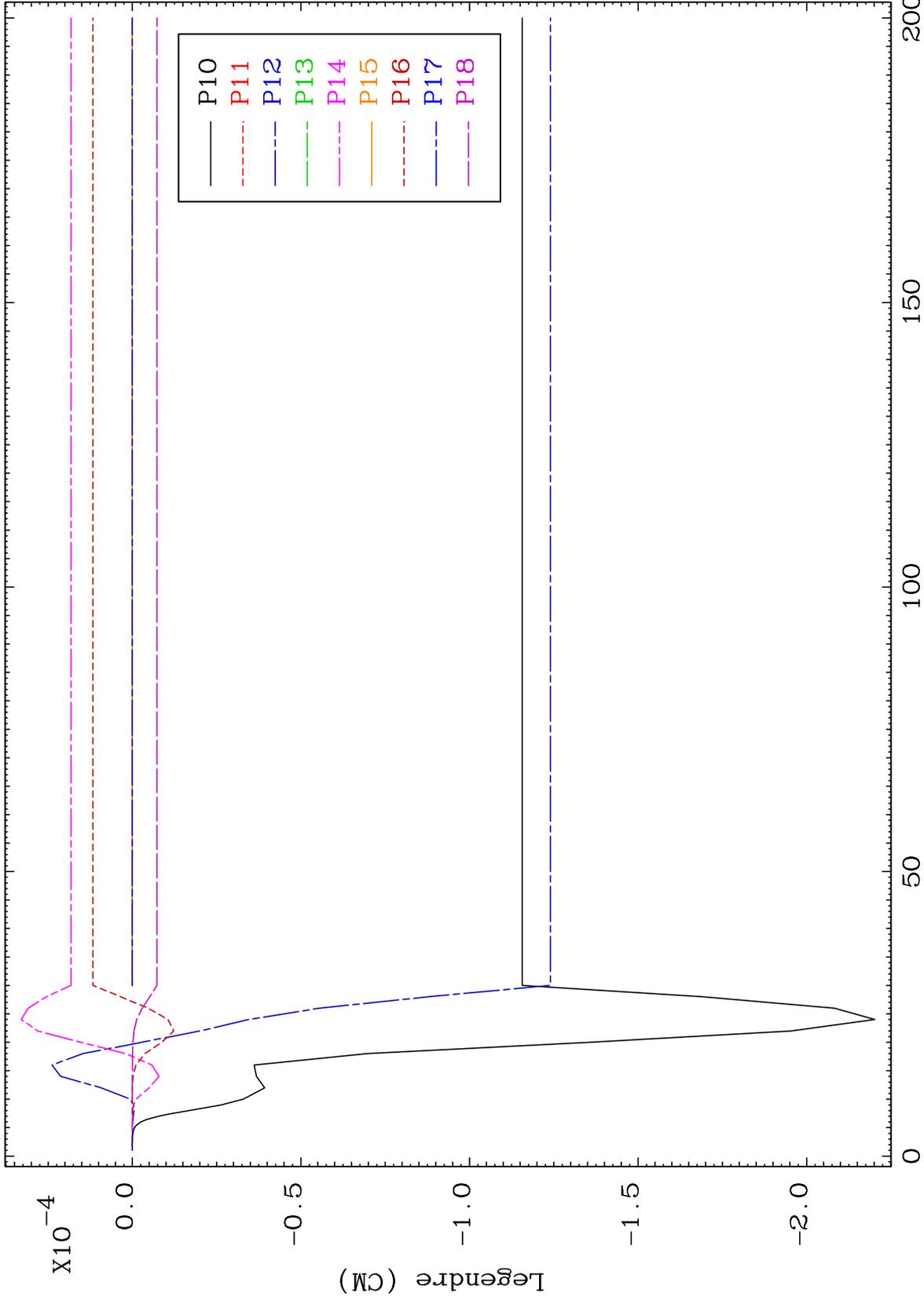
82

MAT 5140

MT= 69 (n,n') Level

51-Sb-126

Legendre Coefficients



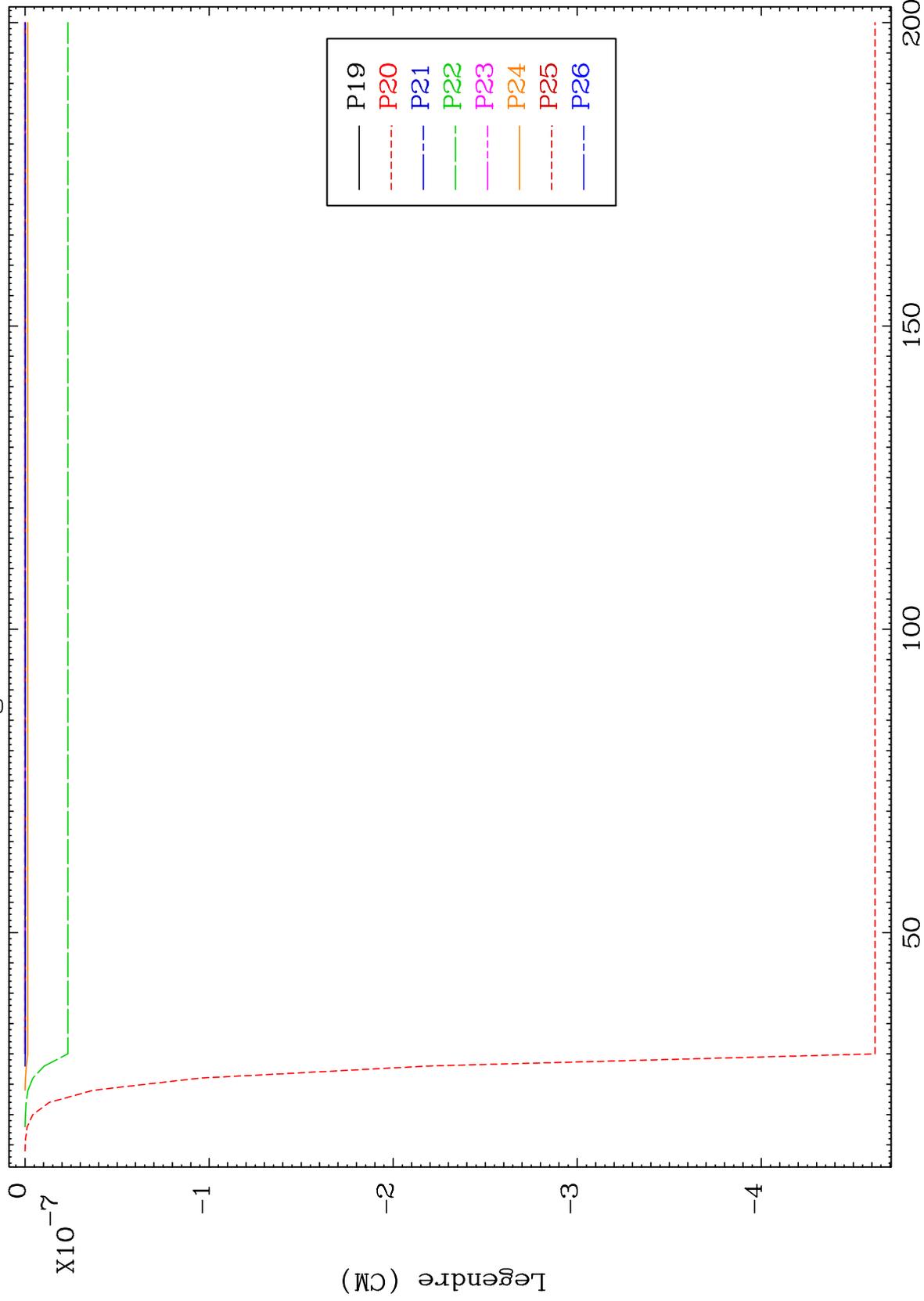
83

51-Sb-126

MAT 5140

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

51-Sb-126



84

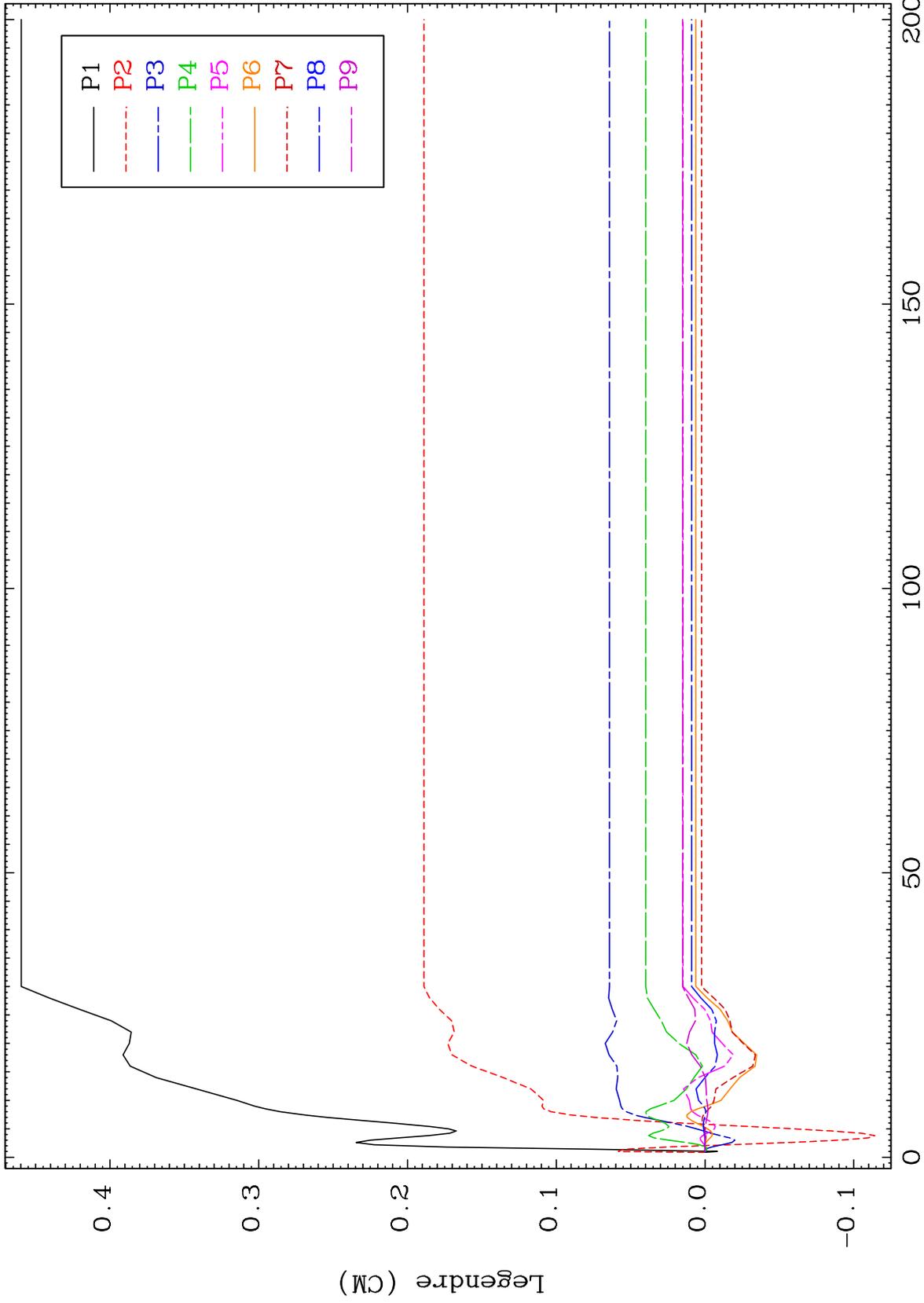
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

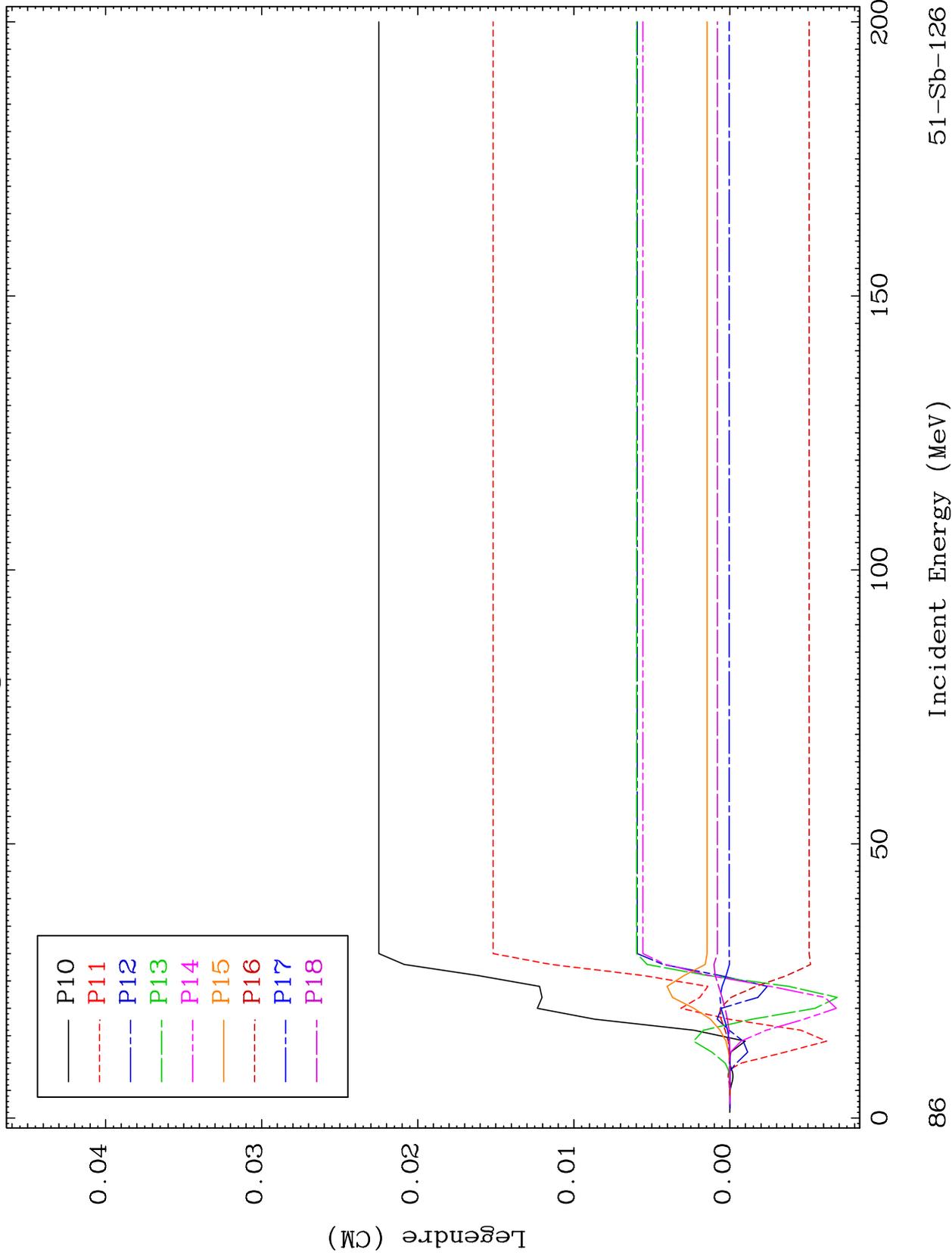
51-Sb-126

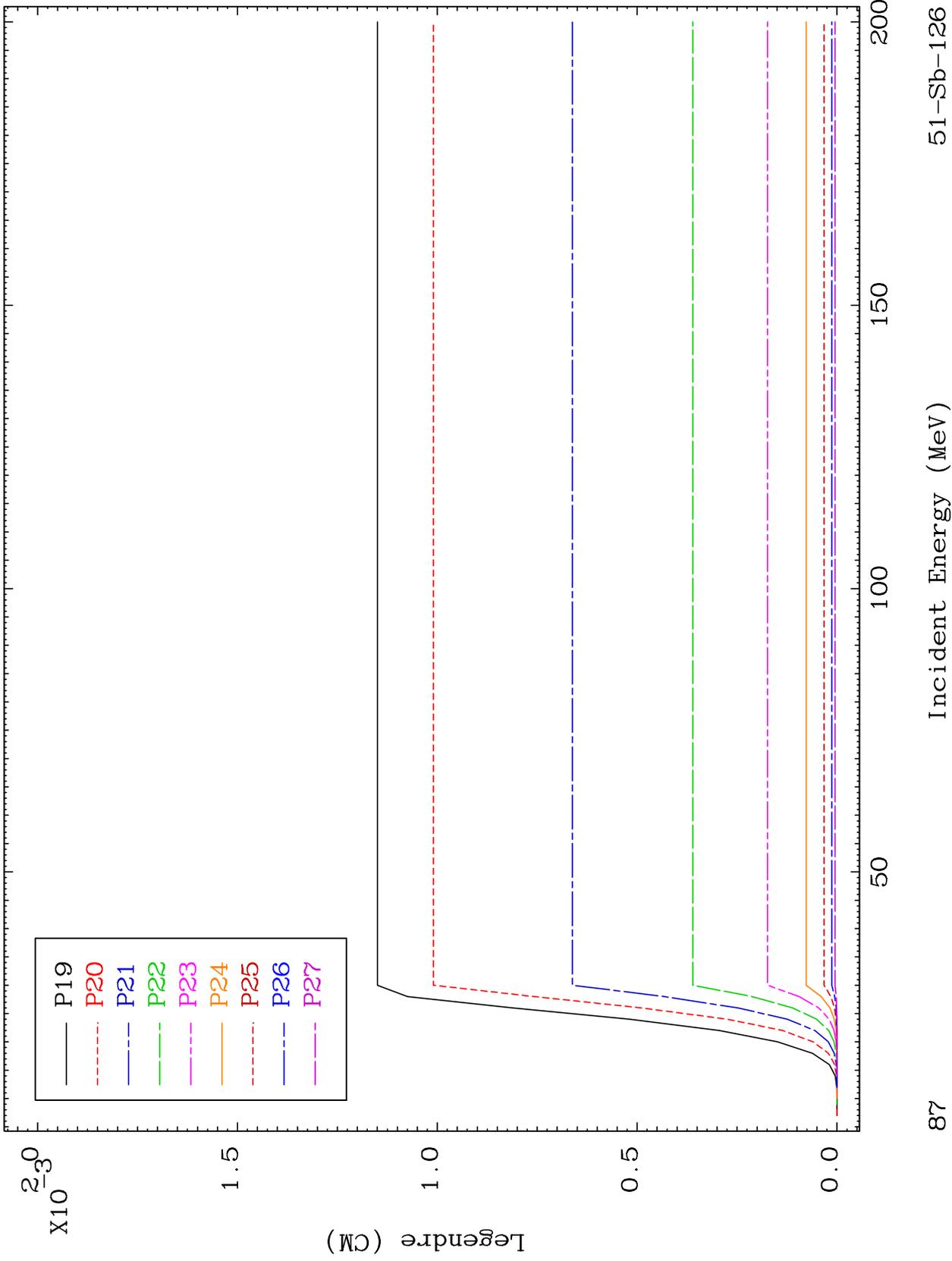


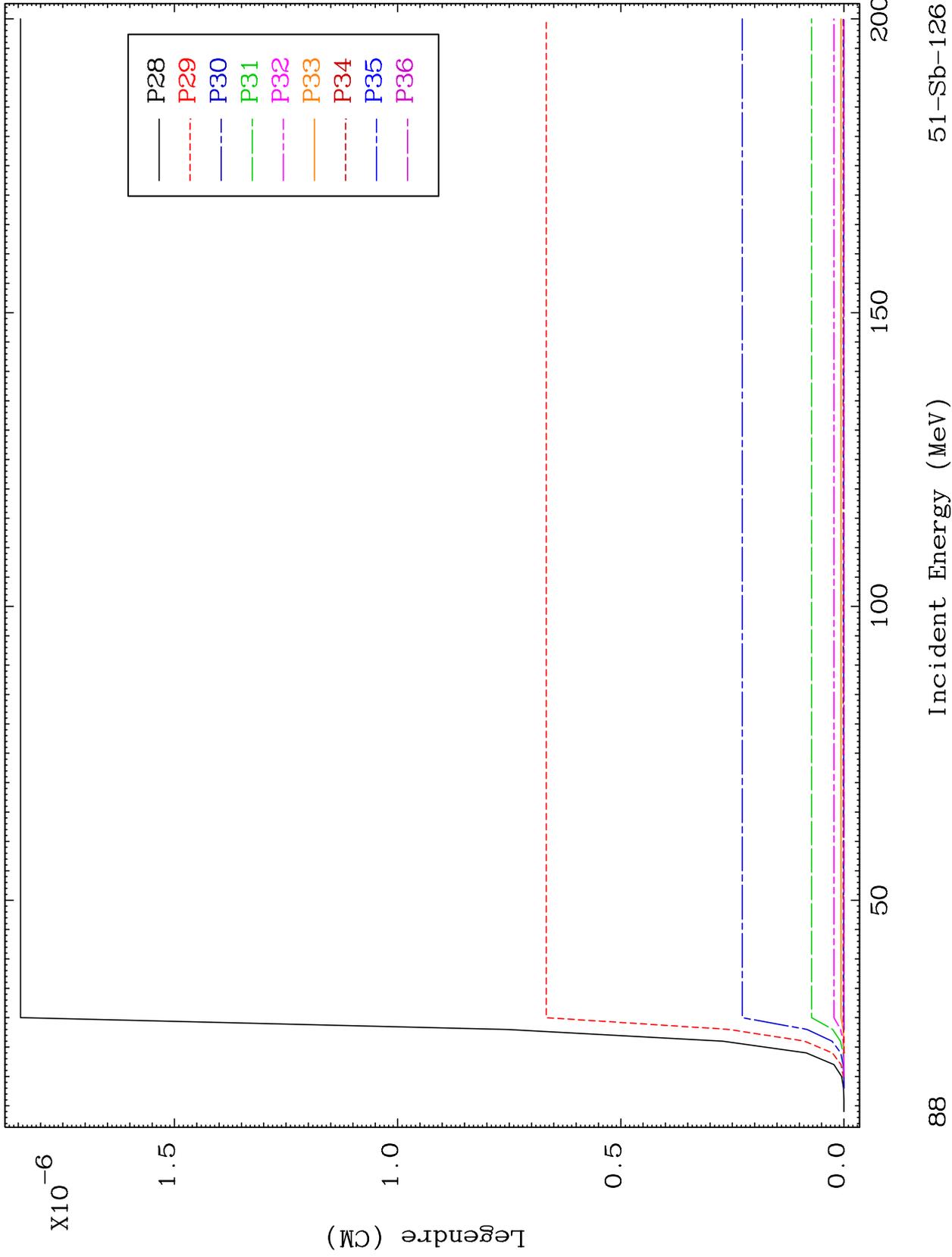
51-Sb-126

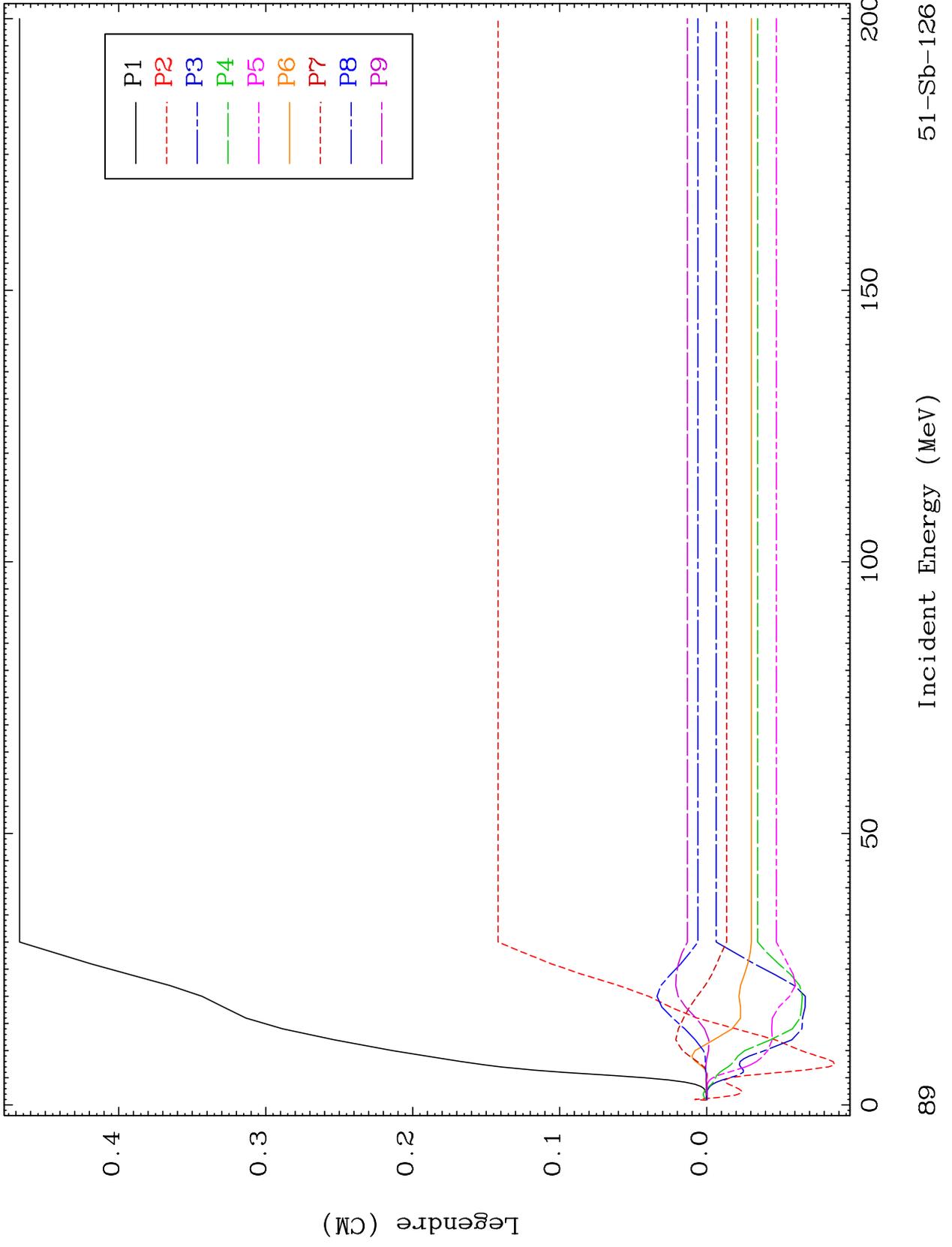
Incident Energy (MeV)

85





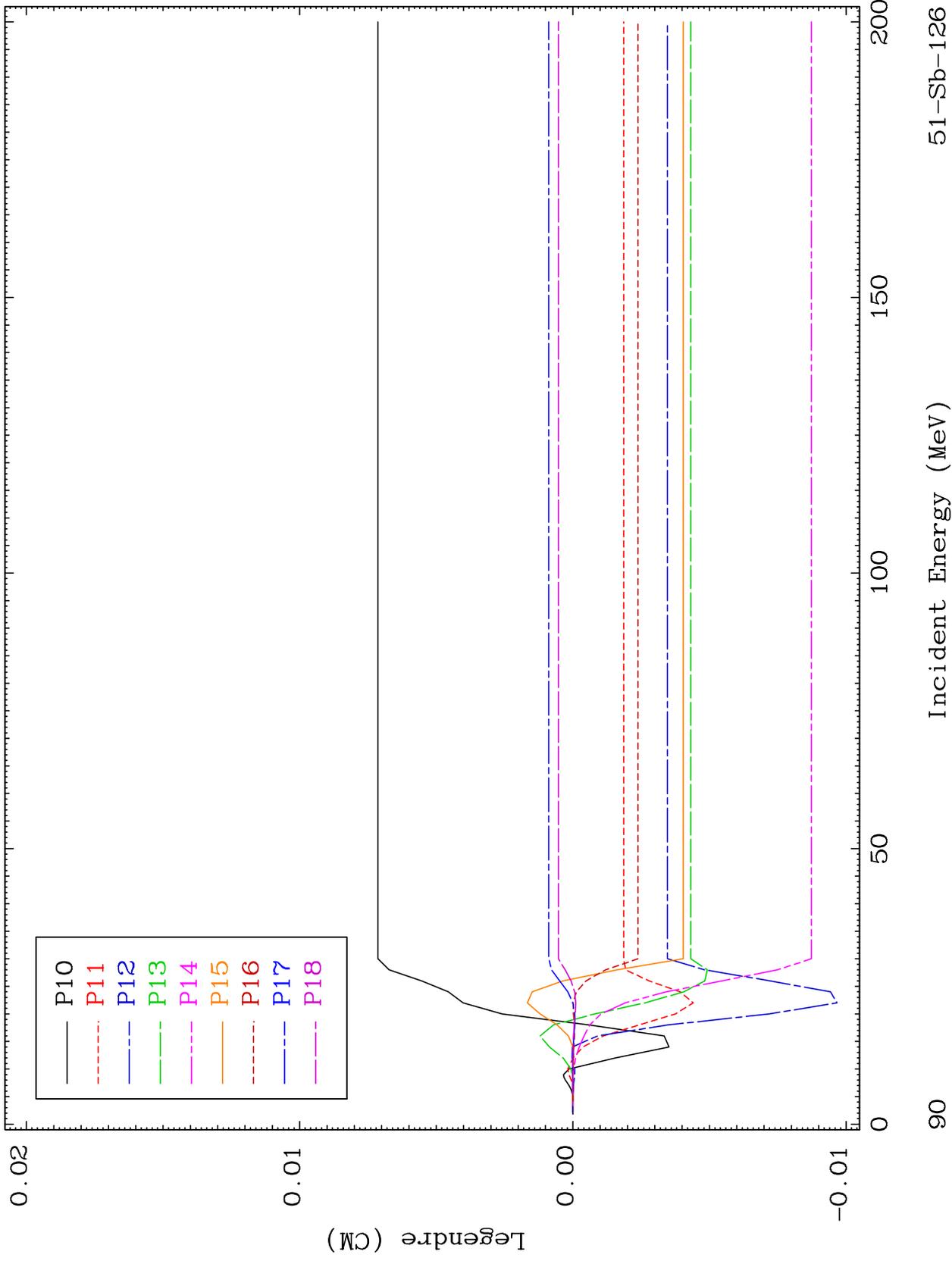




MAT 5140

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

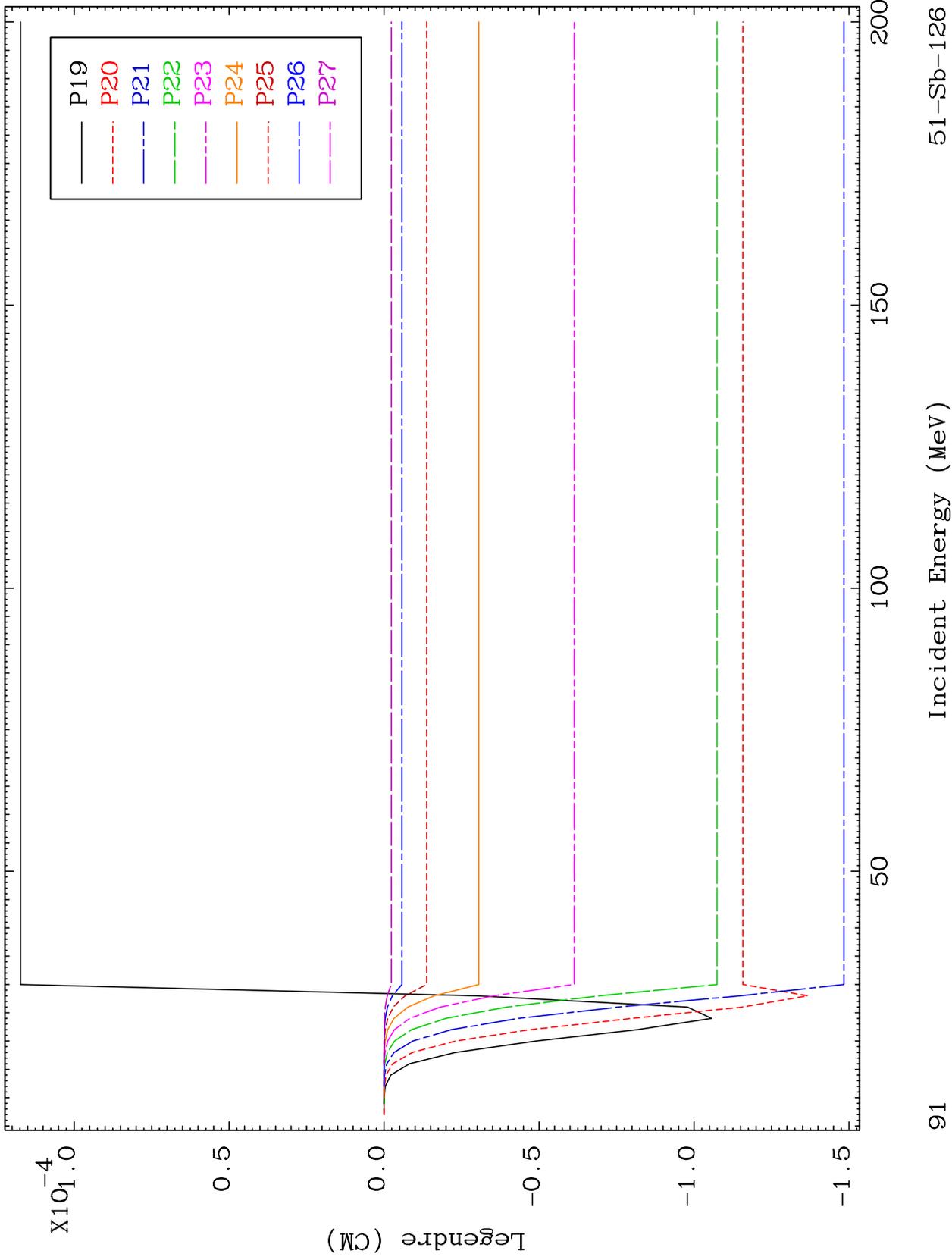
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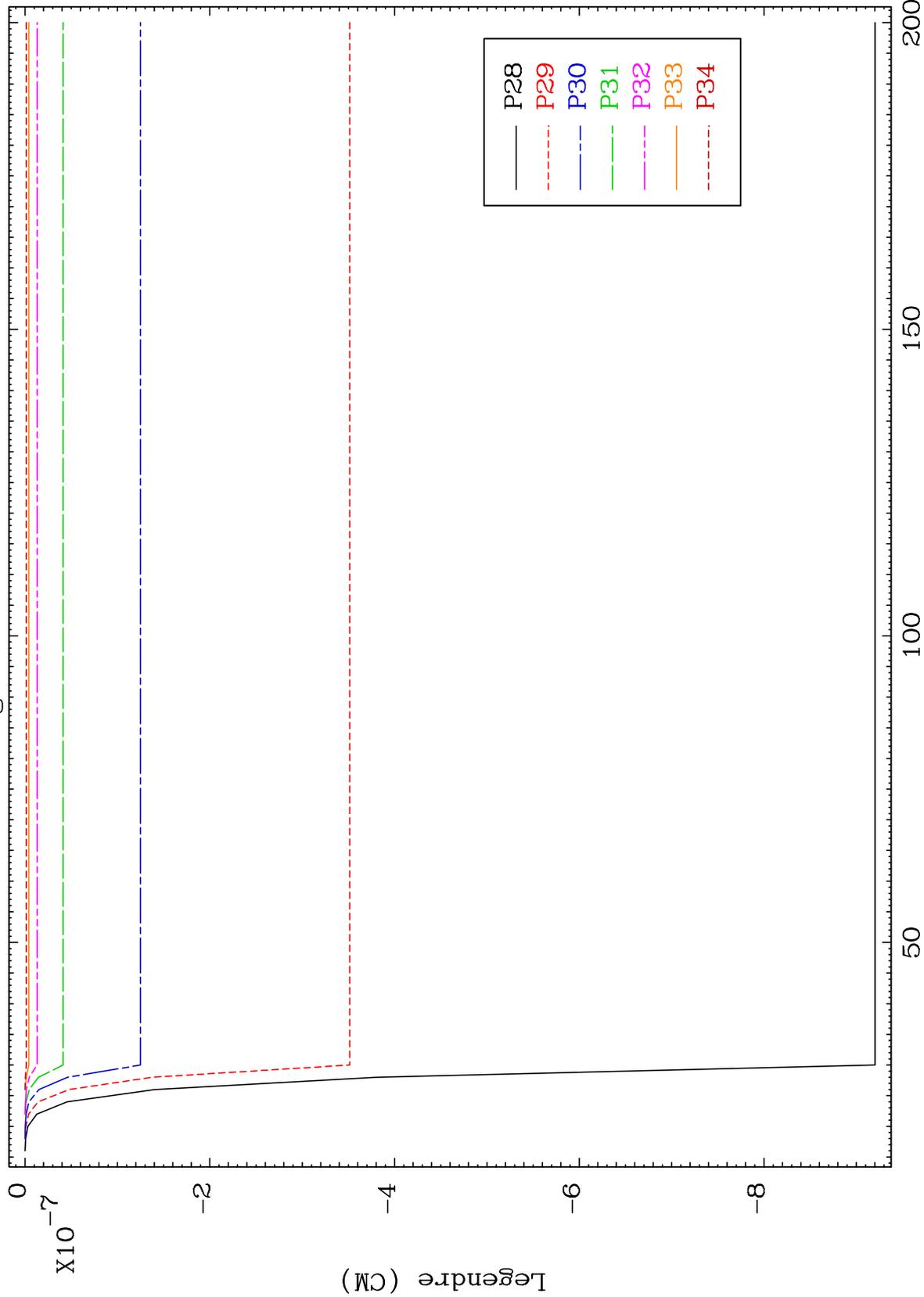


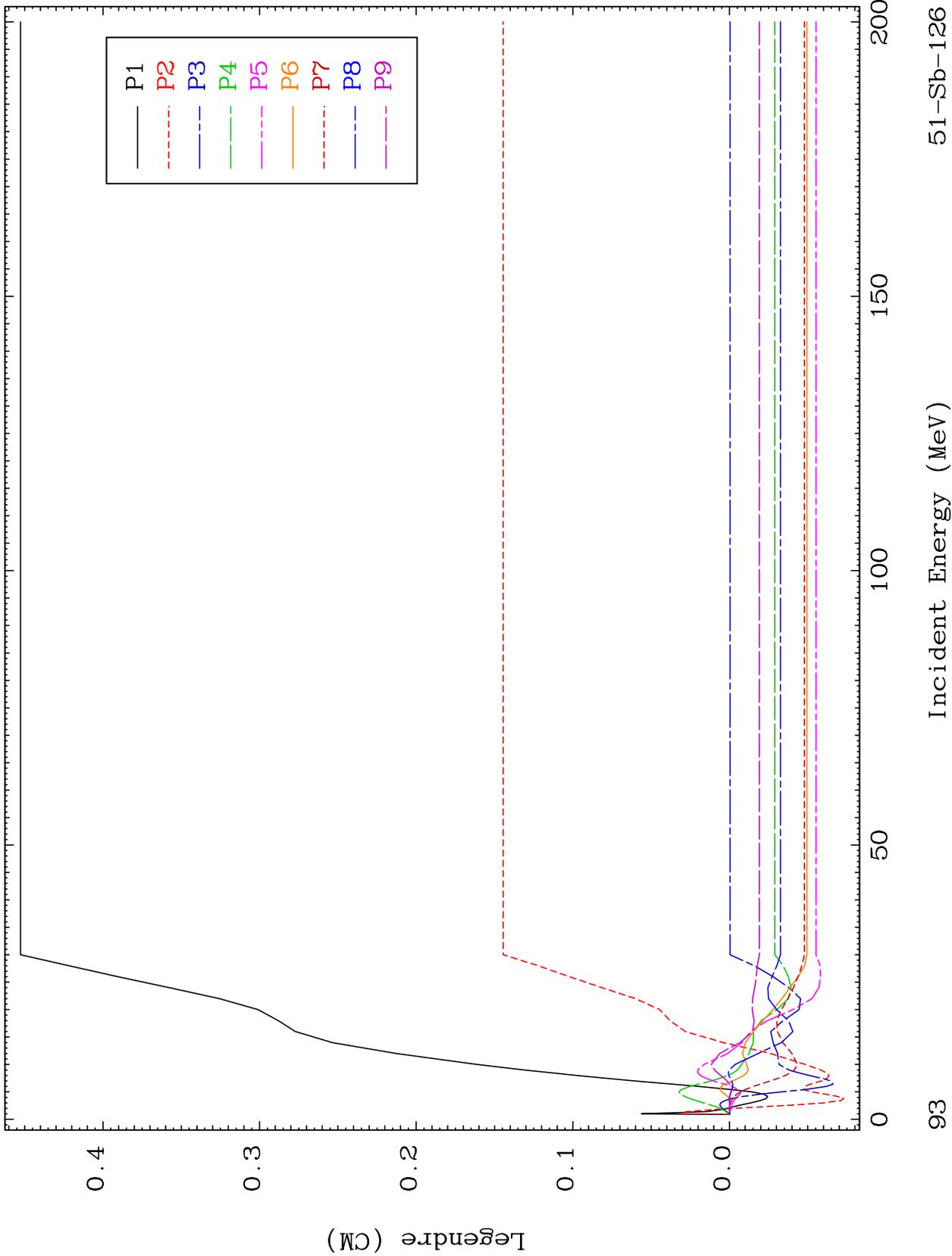
51-Sb-126

Incident Energy (MeV)

90



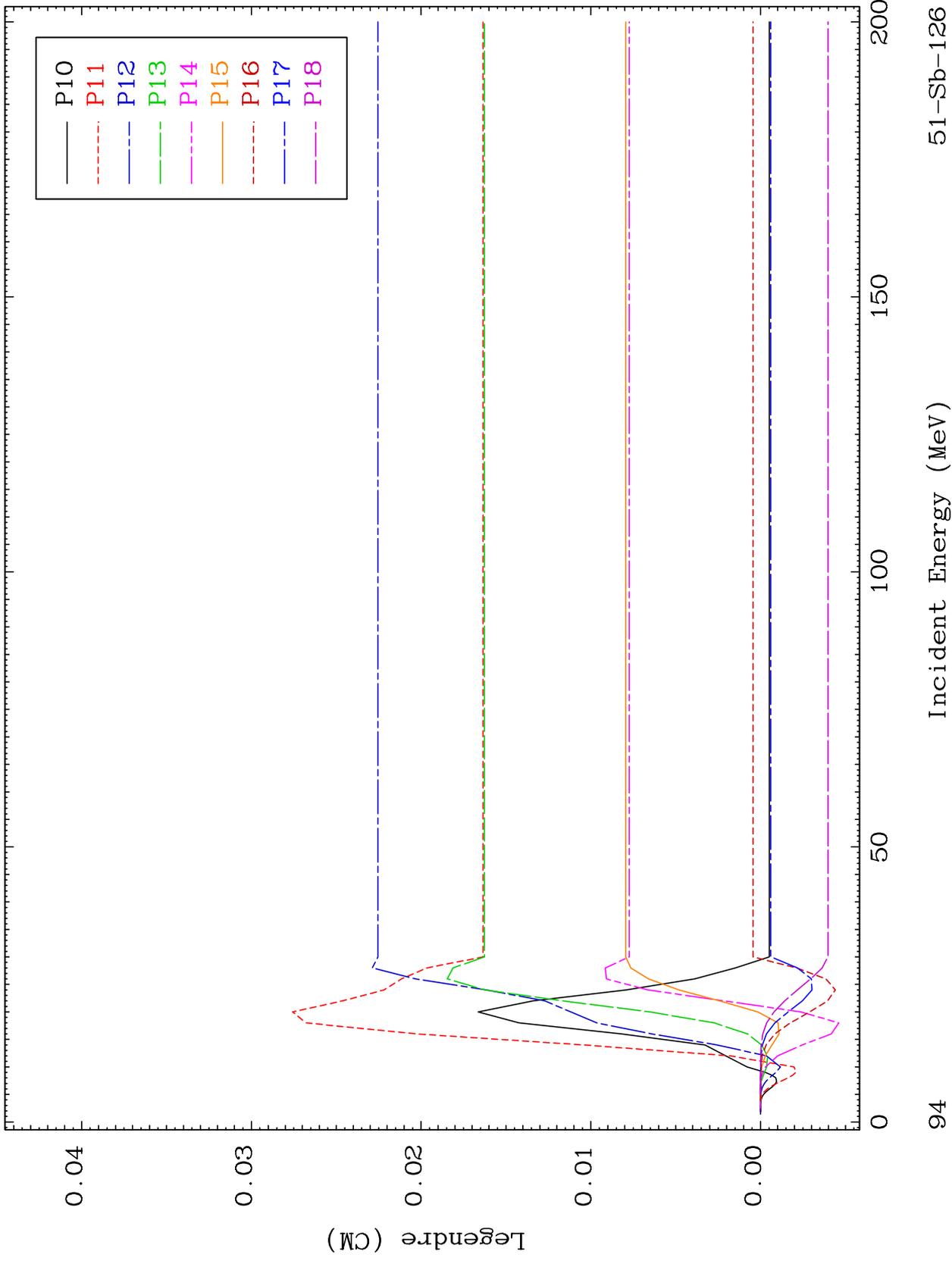




MAT 5140

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

51-Sb-126



51-Sb-126

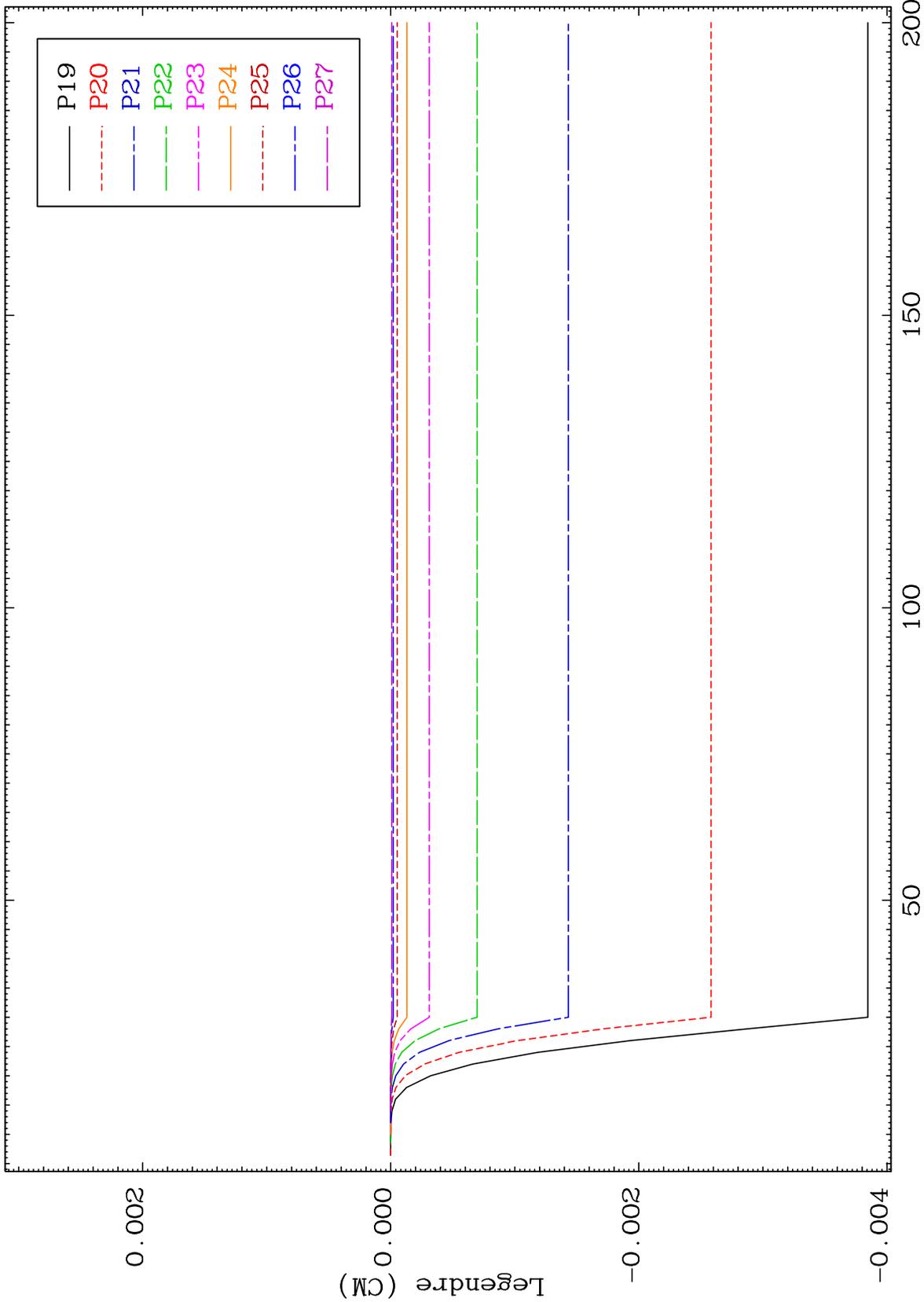
Incident Energy (MeV)

94

MAT 5140

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

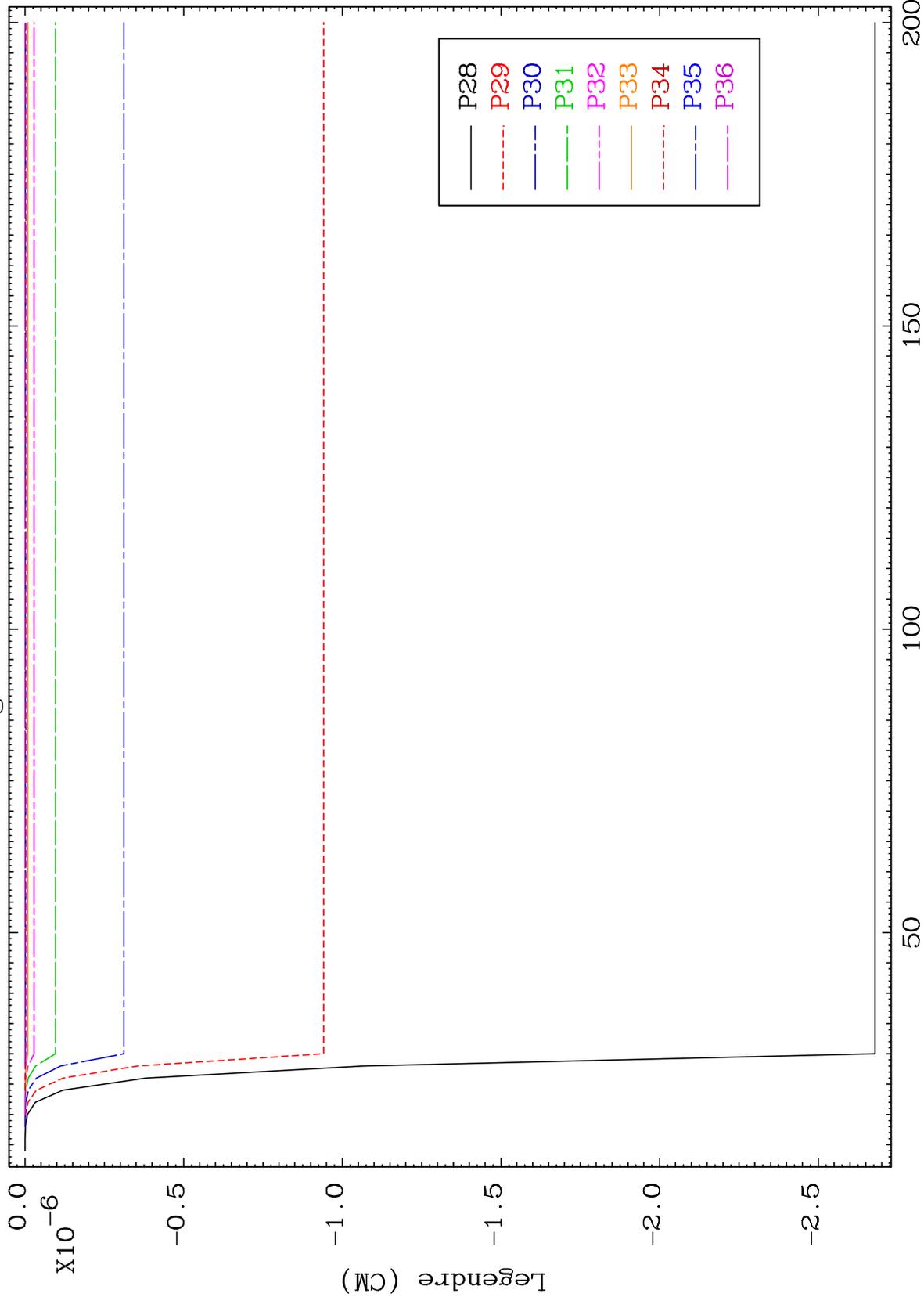
51-Sb-126



95

Incident Energy (MeV)

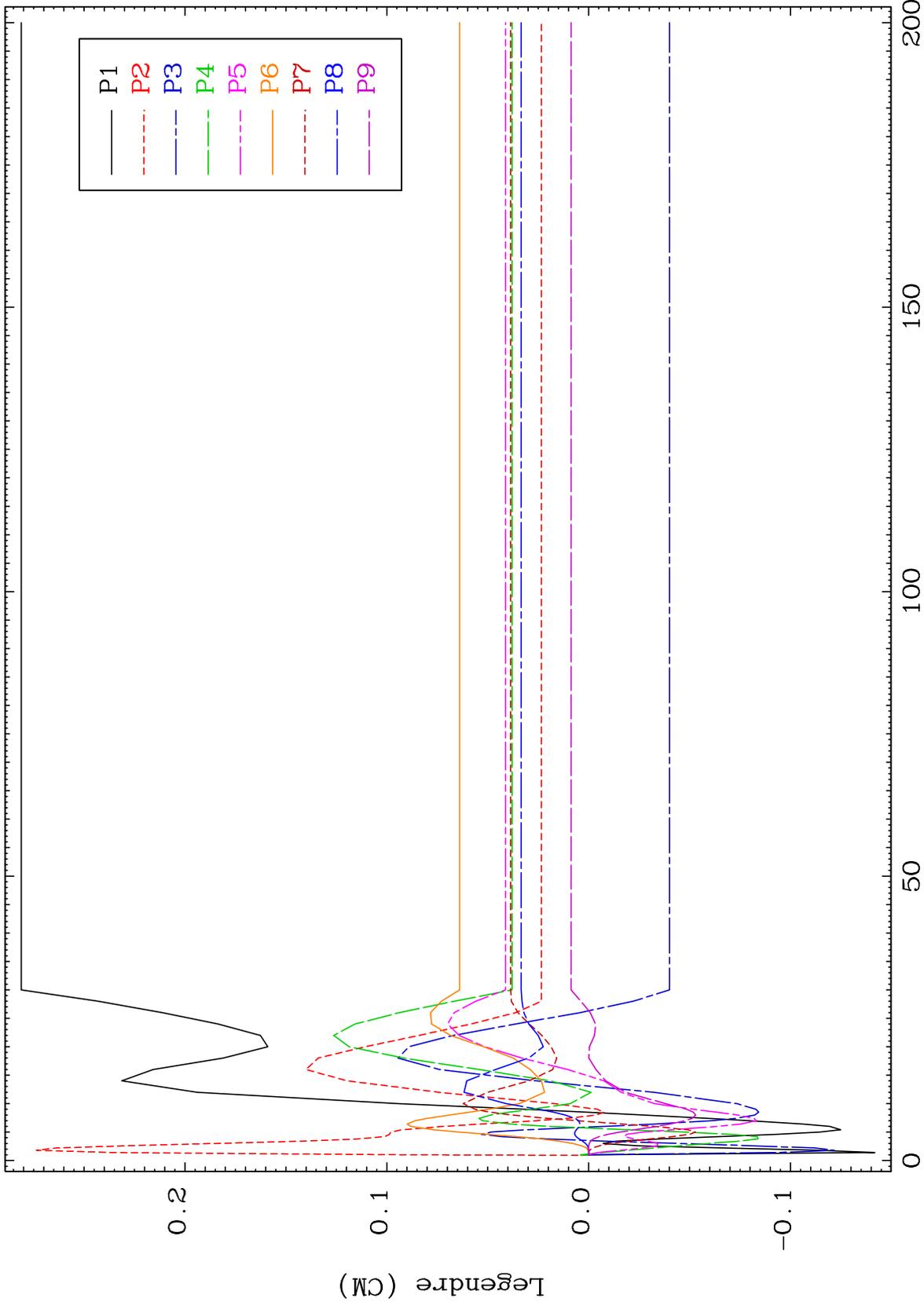
51-Sb-126



MAT 5140

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

51-Sb-126



97

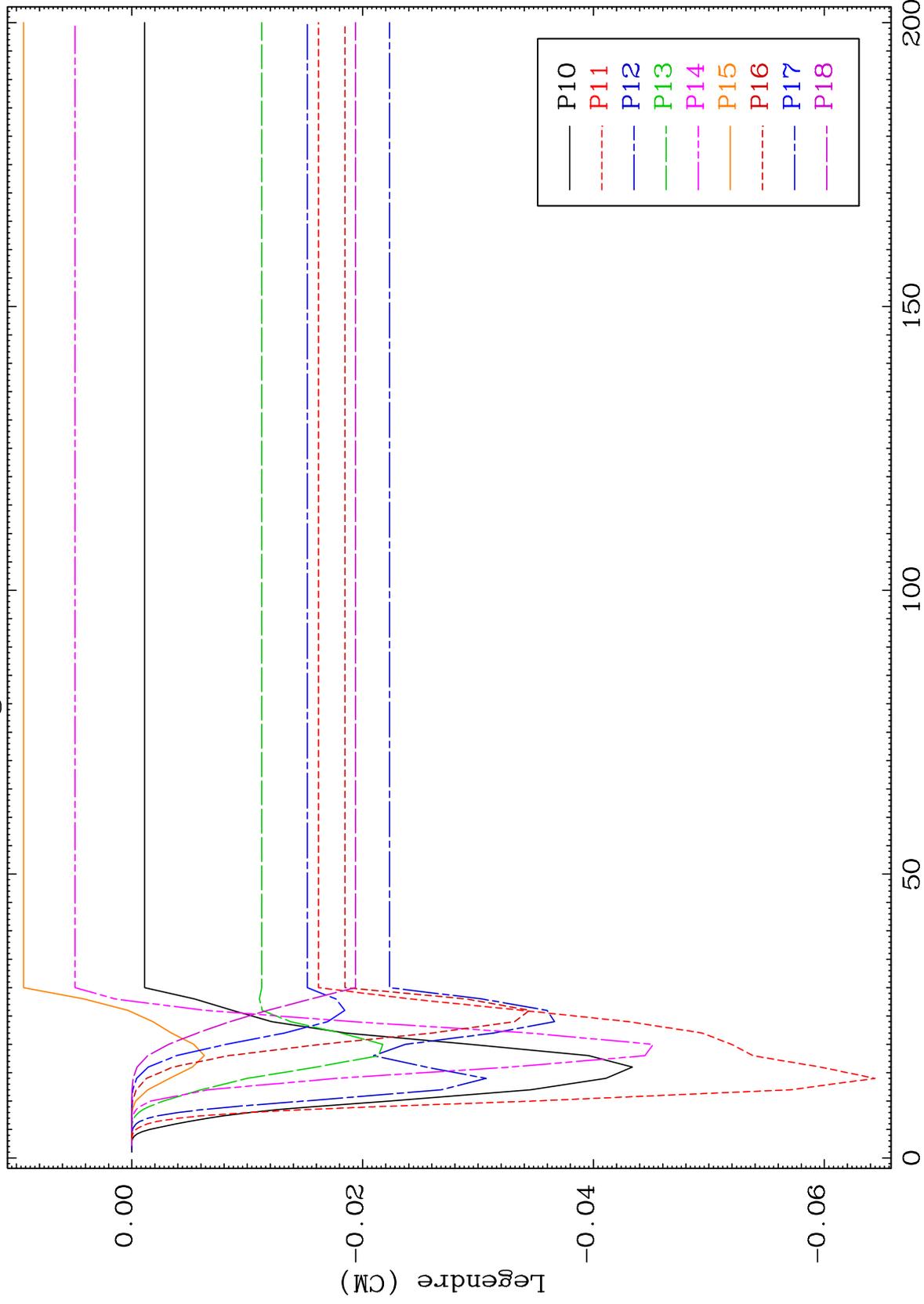
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

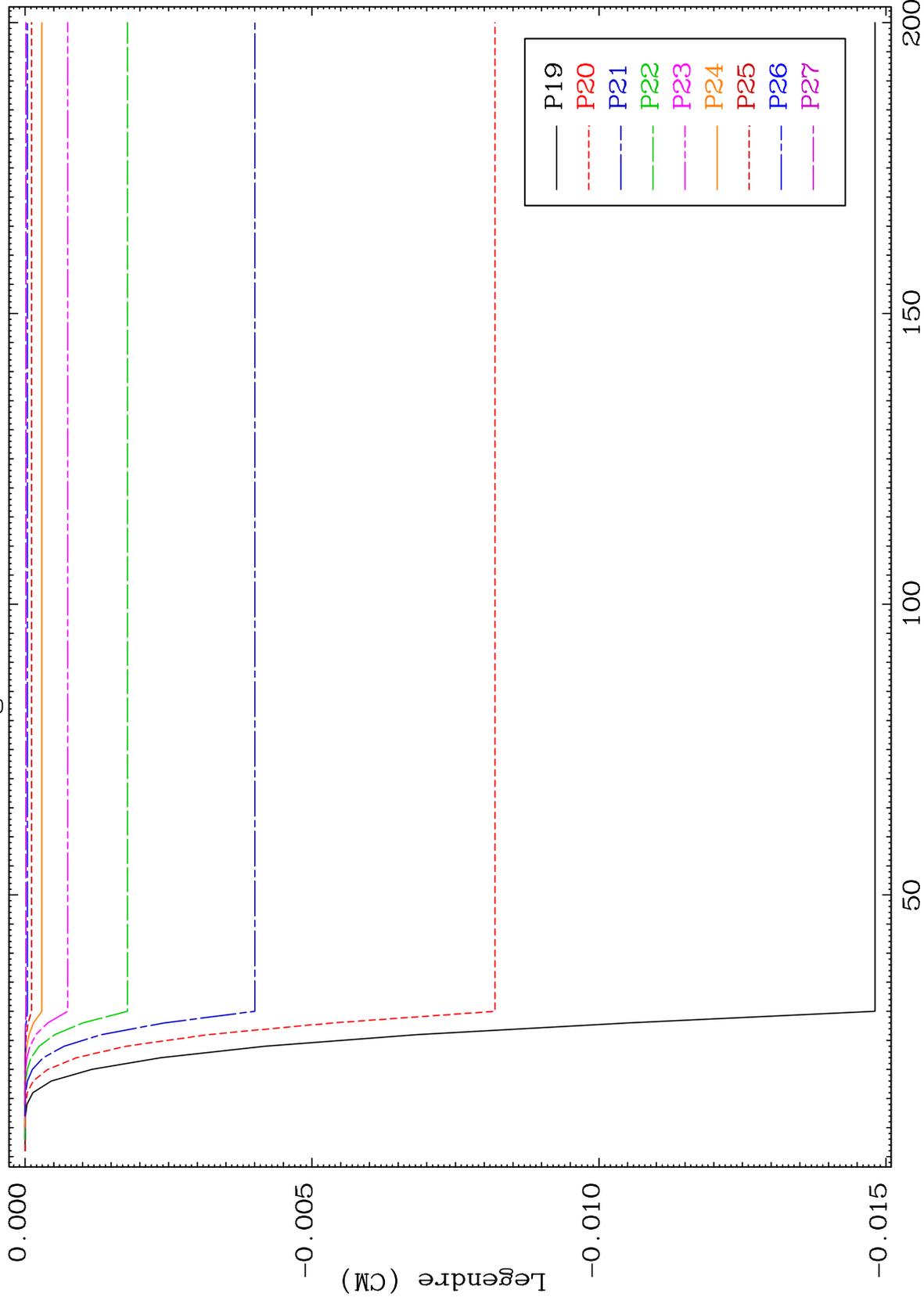
51-Sb-126



98

Incident Energy (MeV)

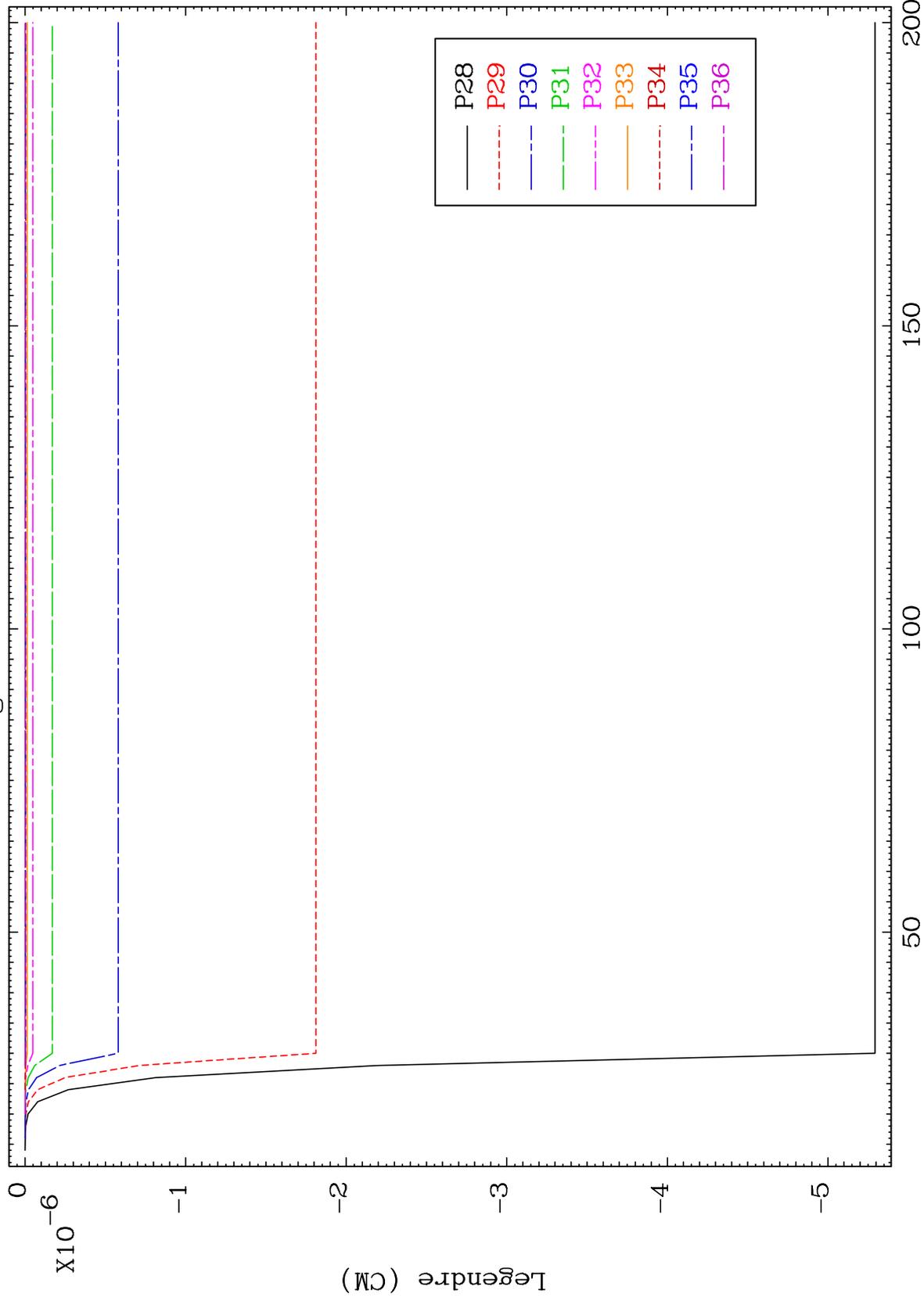
51-Sb-126



MAT 5140

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

51-Sb-126



100

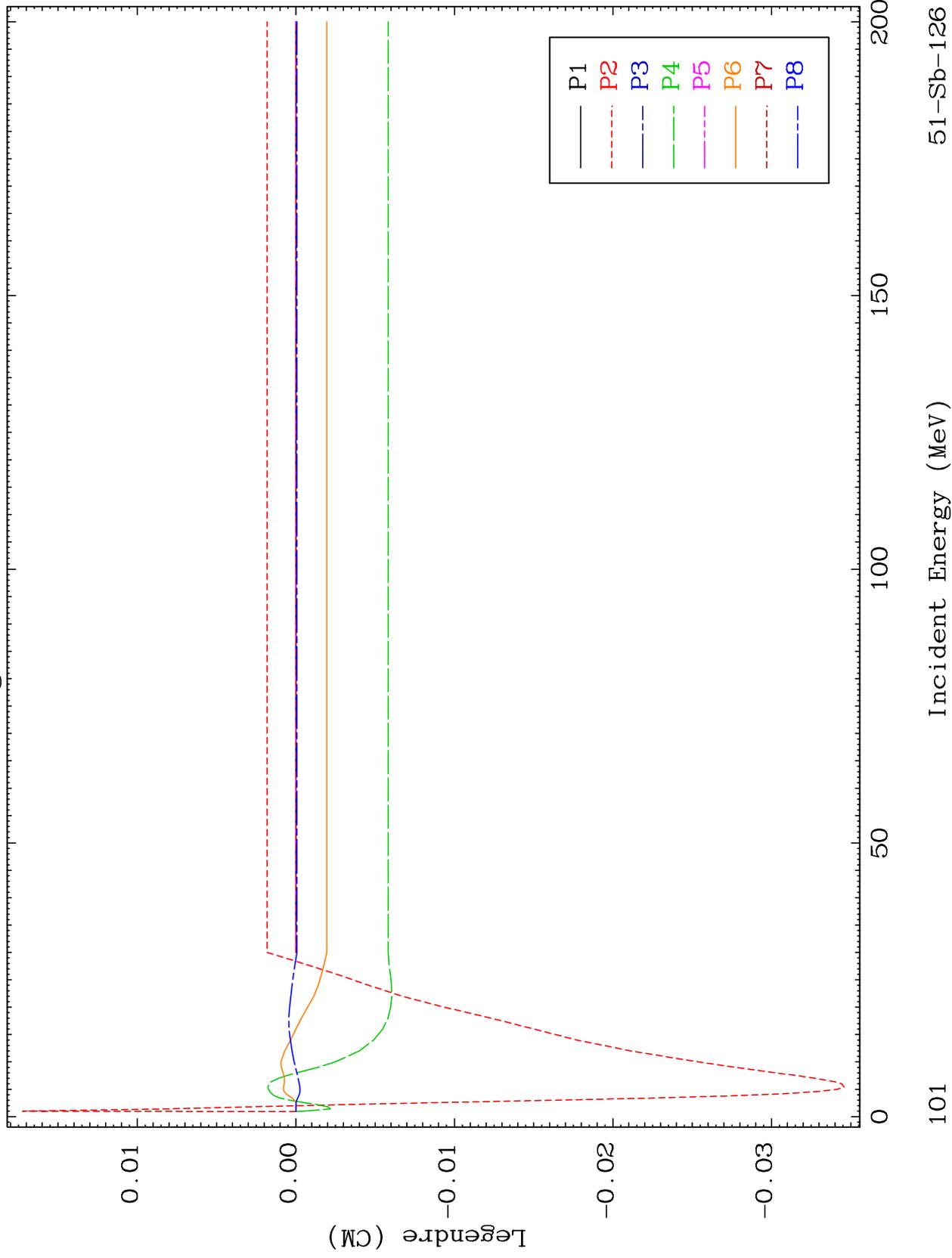
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



51-Sb-126

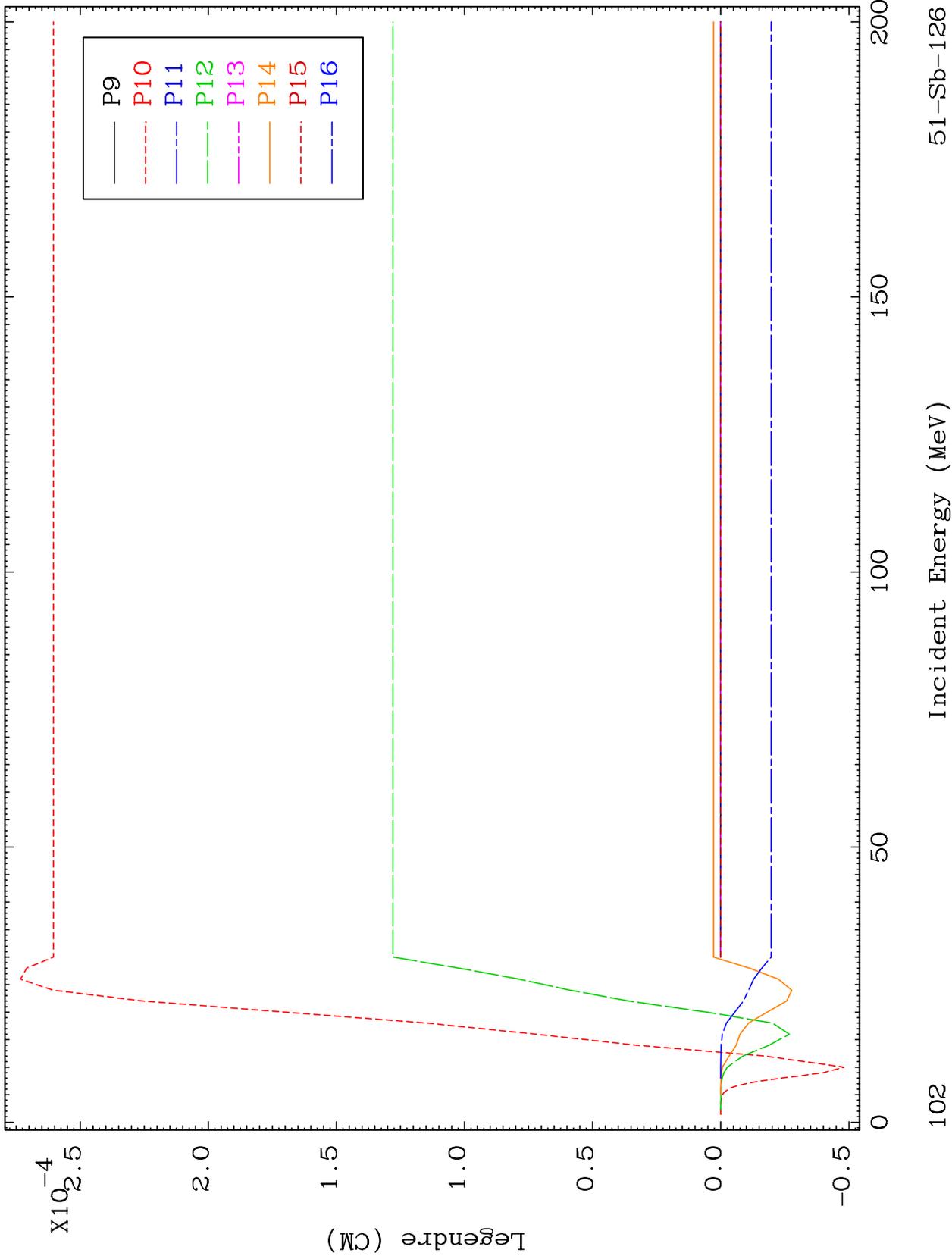
Incident Energy (MeV)

0

MAT 5140

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

51-Sb-126



51-Sb-126

Incident Energy (MeV)

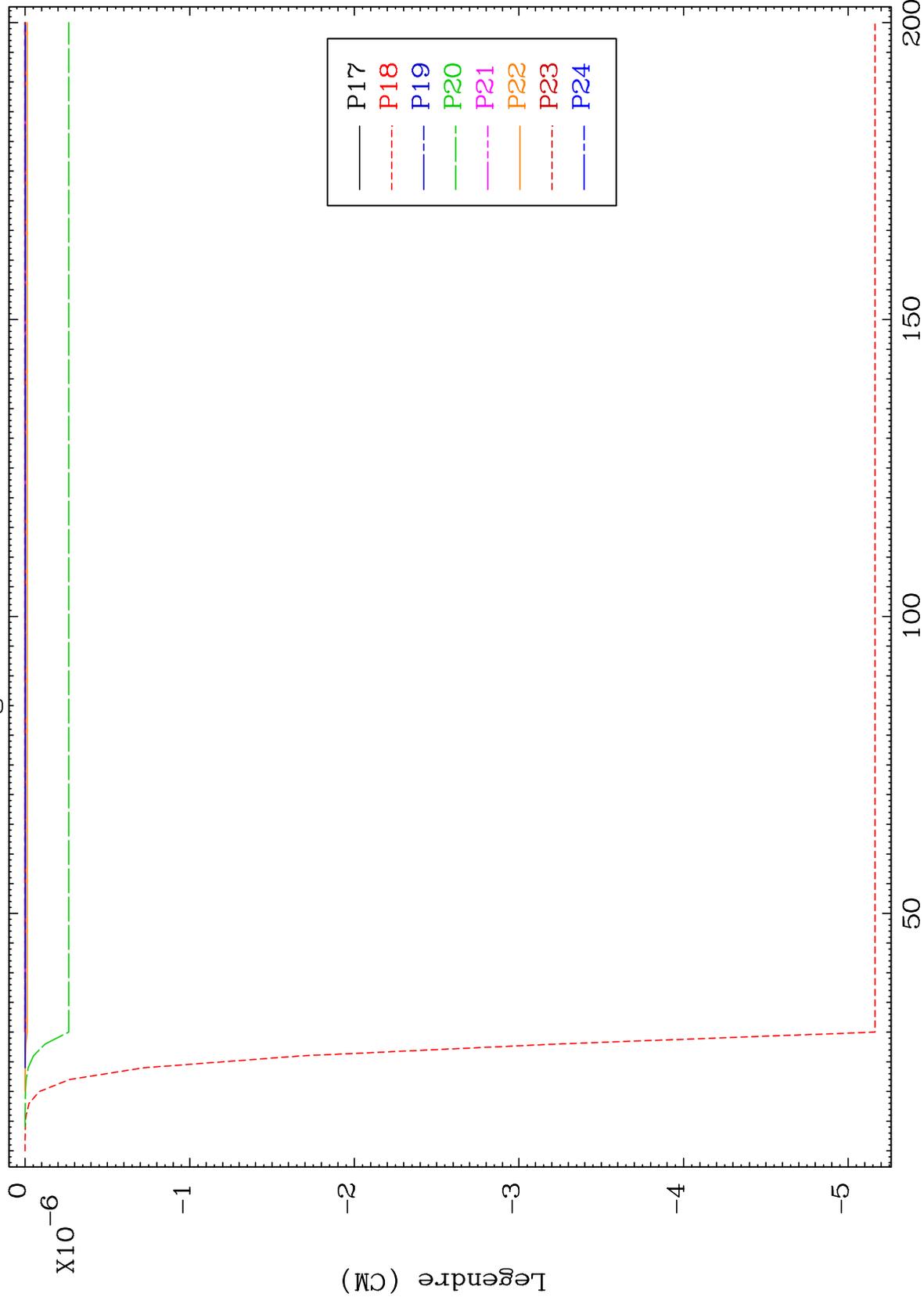
102

MAT 5140

MT= 74 (n,n') Level

51-Sb-126

Legendre Coefficients



51-Sb-126

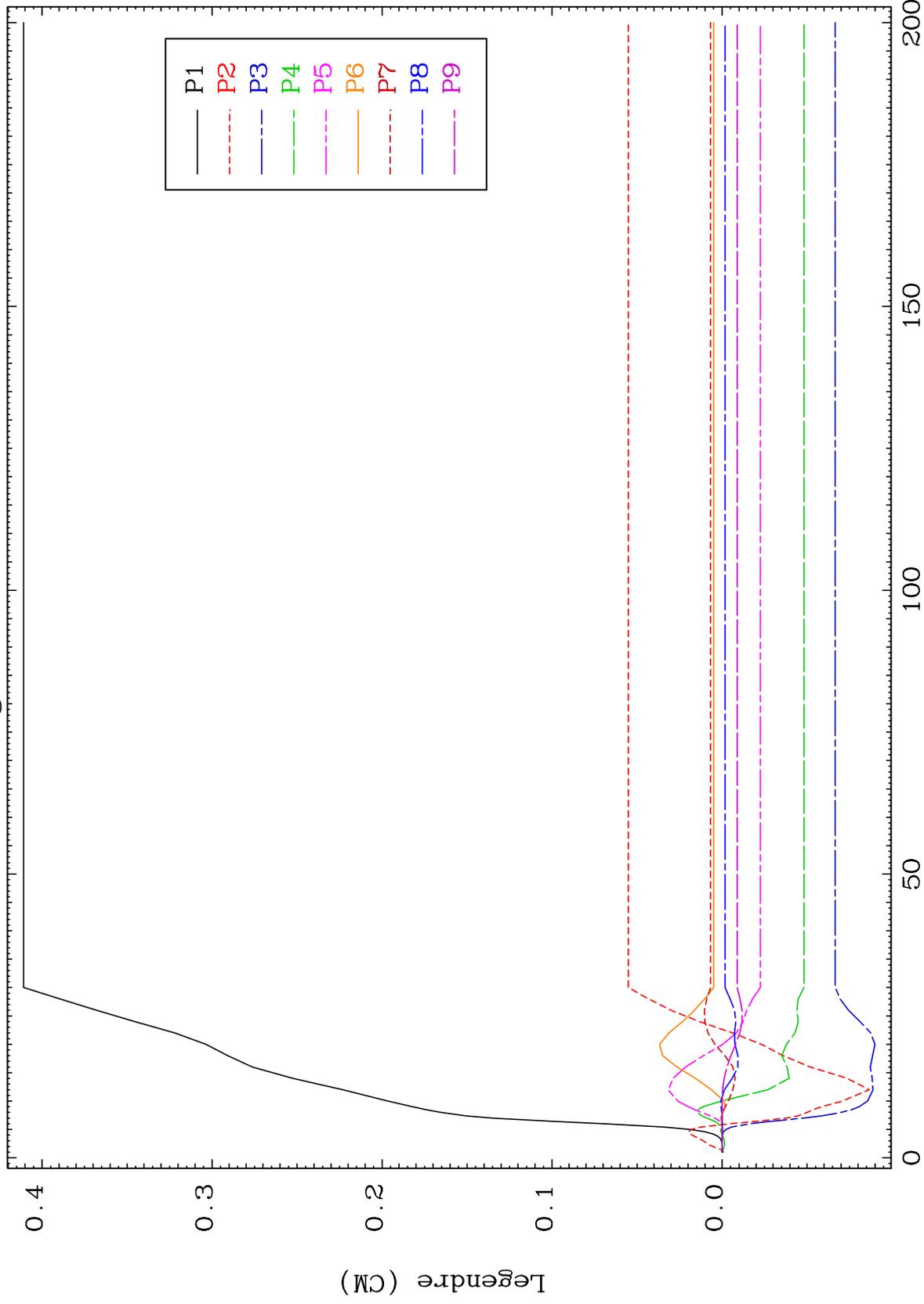
Incident Energy (MeV)

103

MAT 5140

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

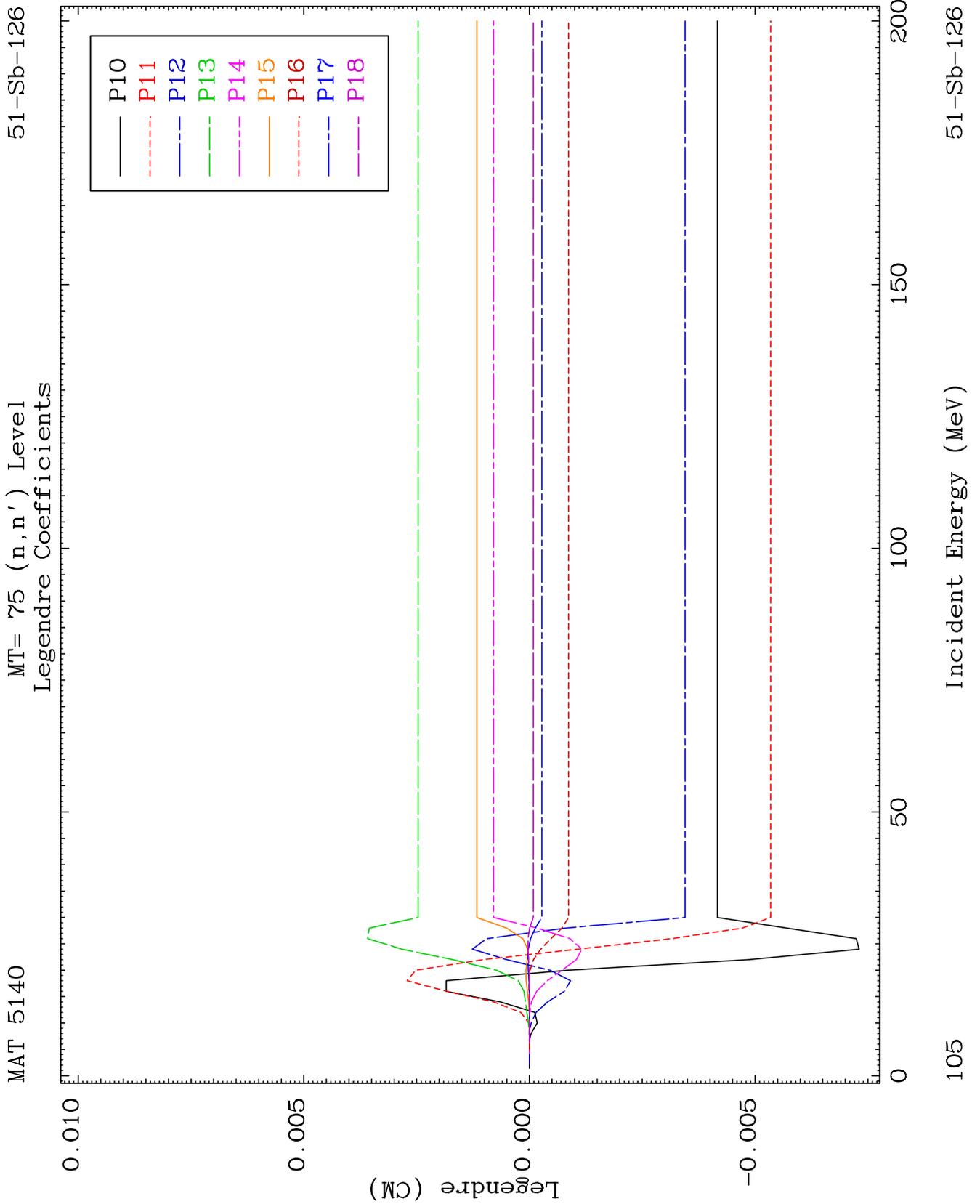
51-Sb-126



51-Sb-126

Incident Energy (MeV)

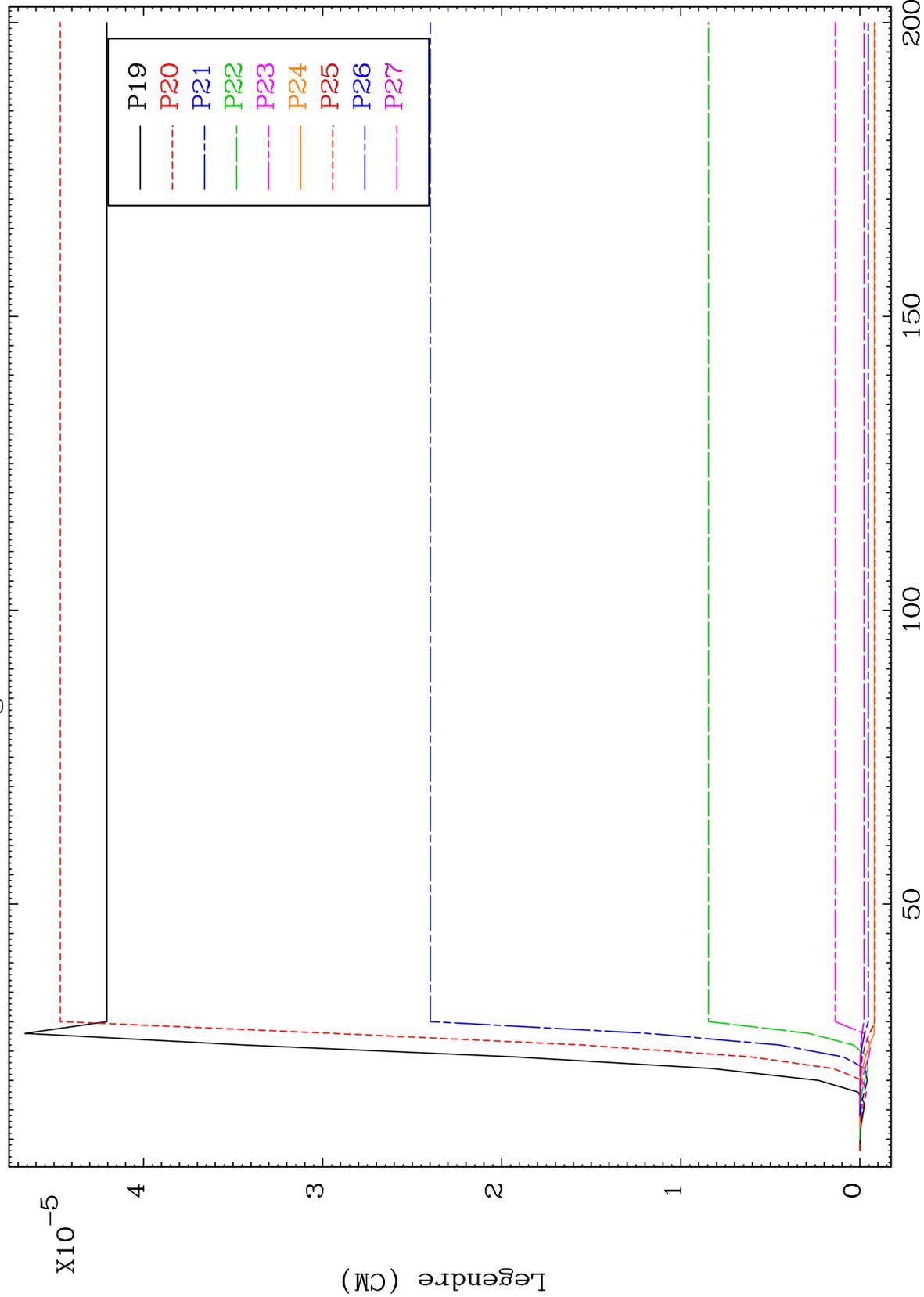
104



MAT 5140

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

51-Sb-126



51-Sb-126

Incident Energy (MeV)

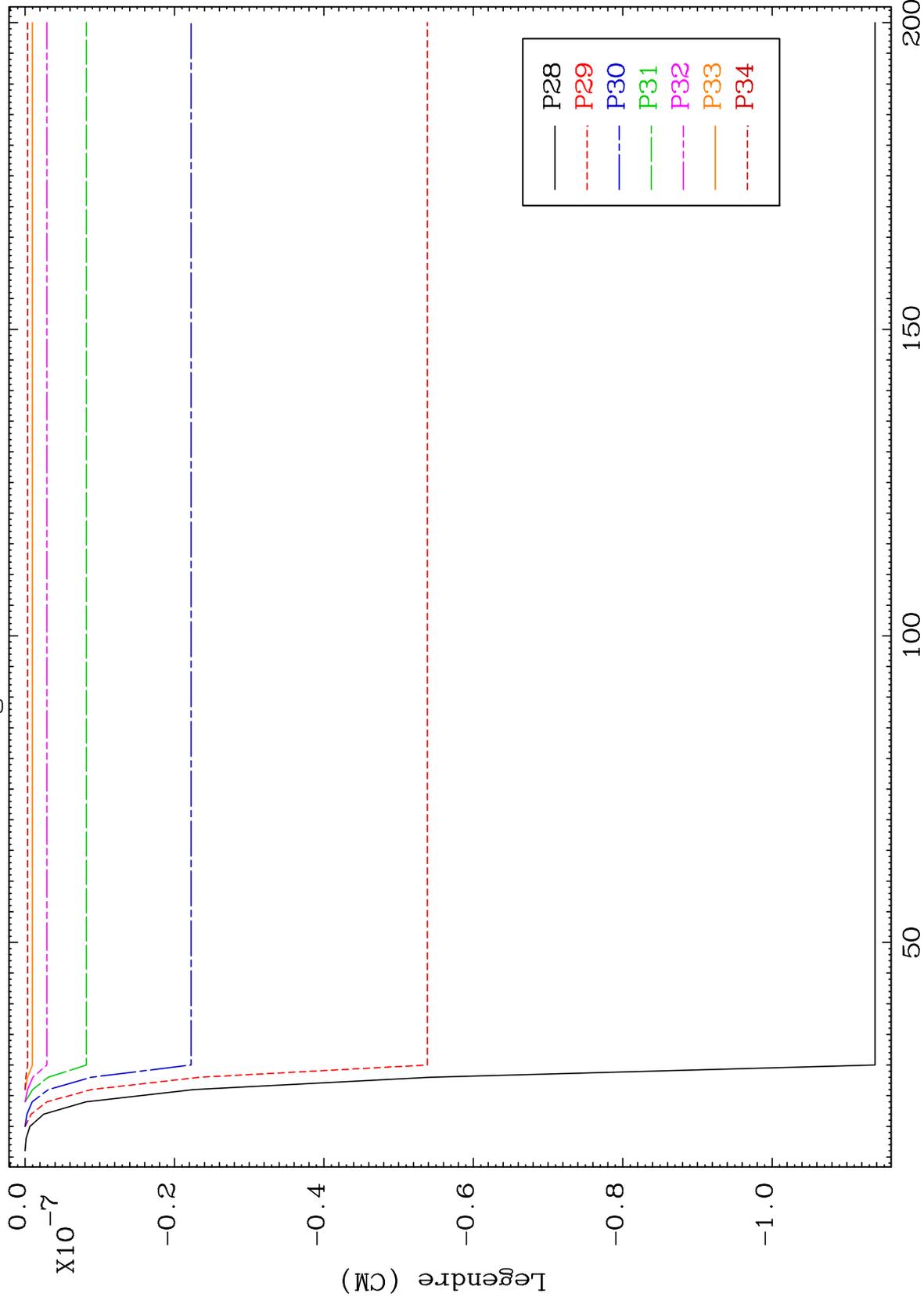
106

MAT 5140

MT= 75 (n,n') Level

51-Sb-126

Legendre Coefficients



107

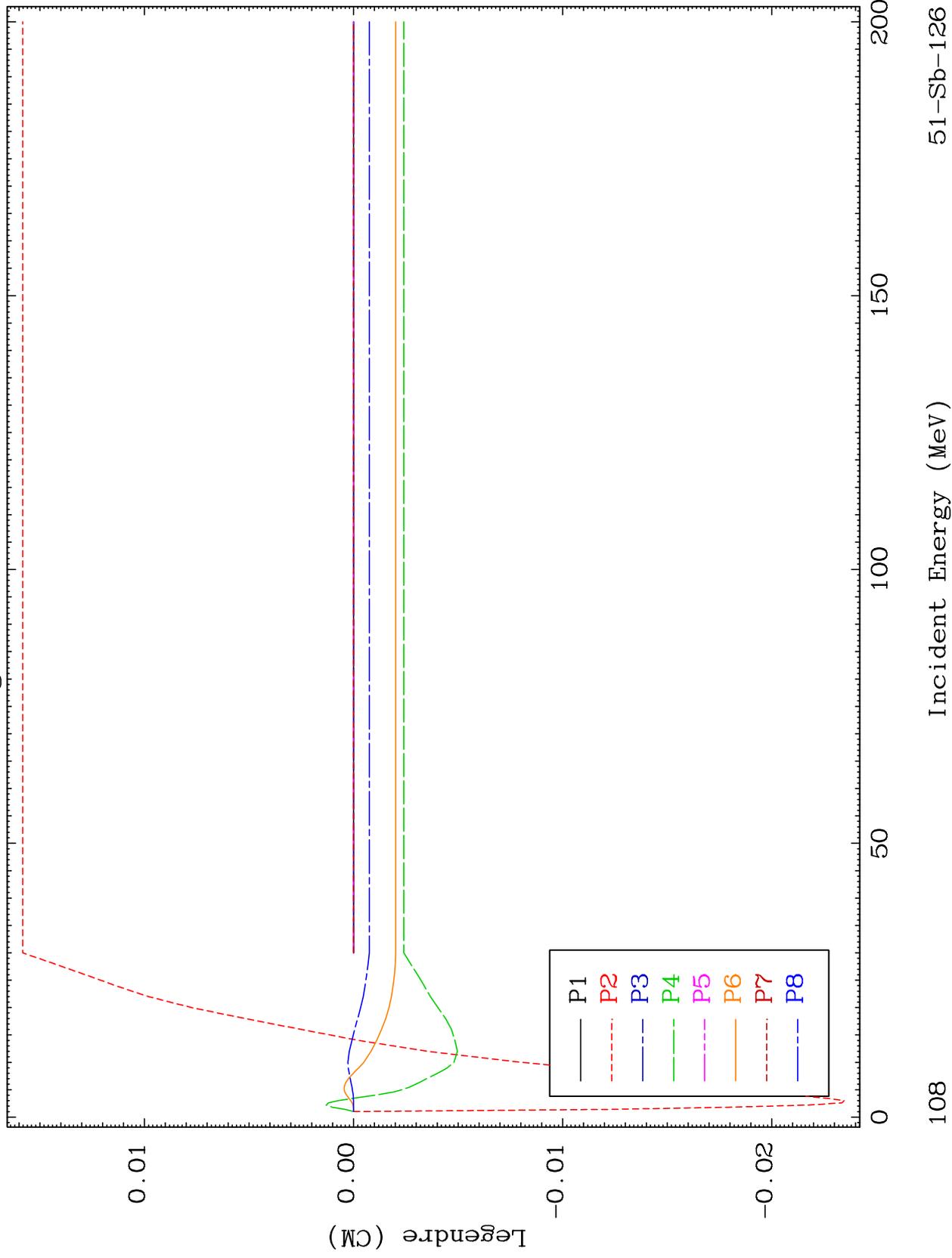
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

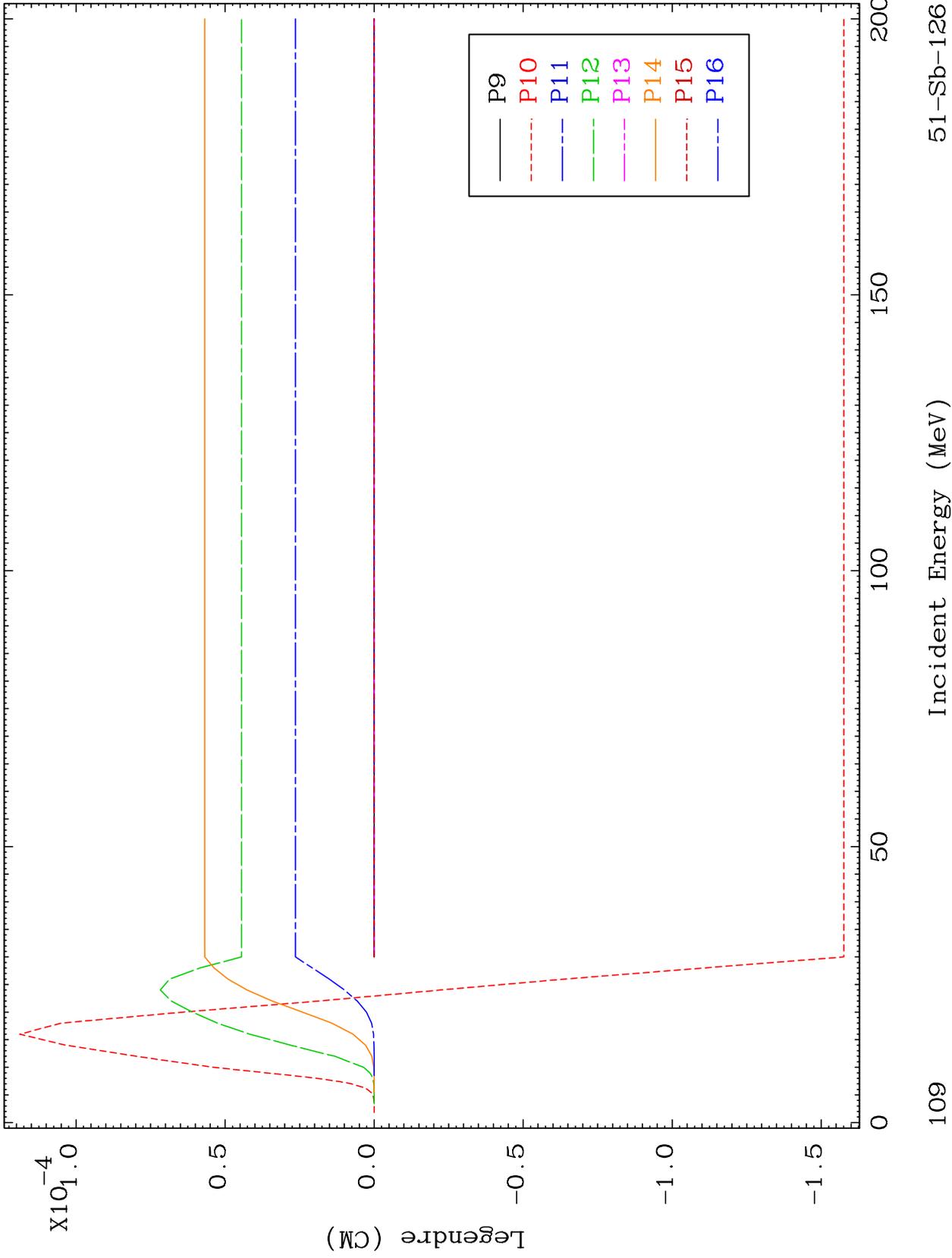
51-Sb-126

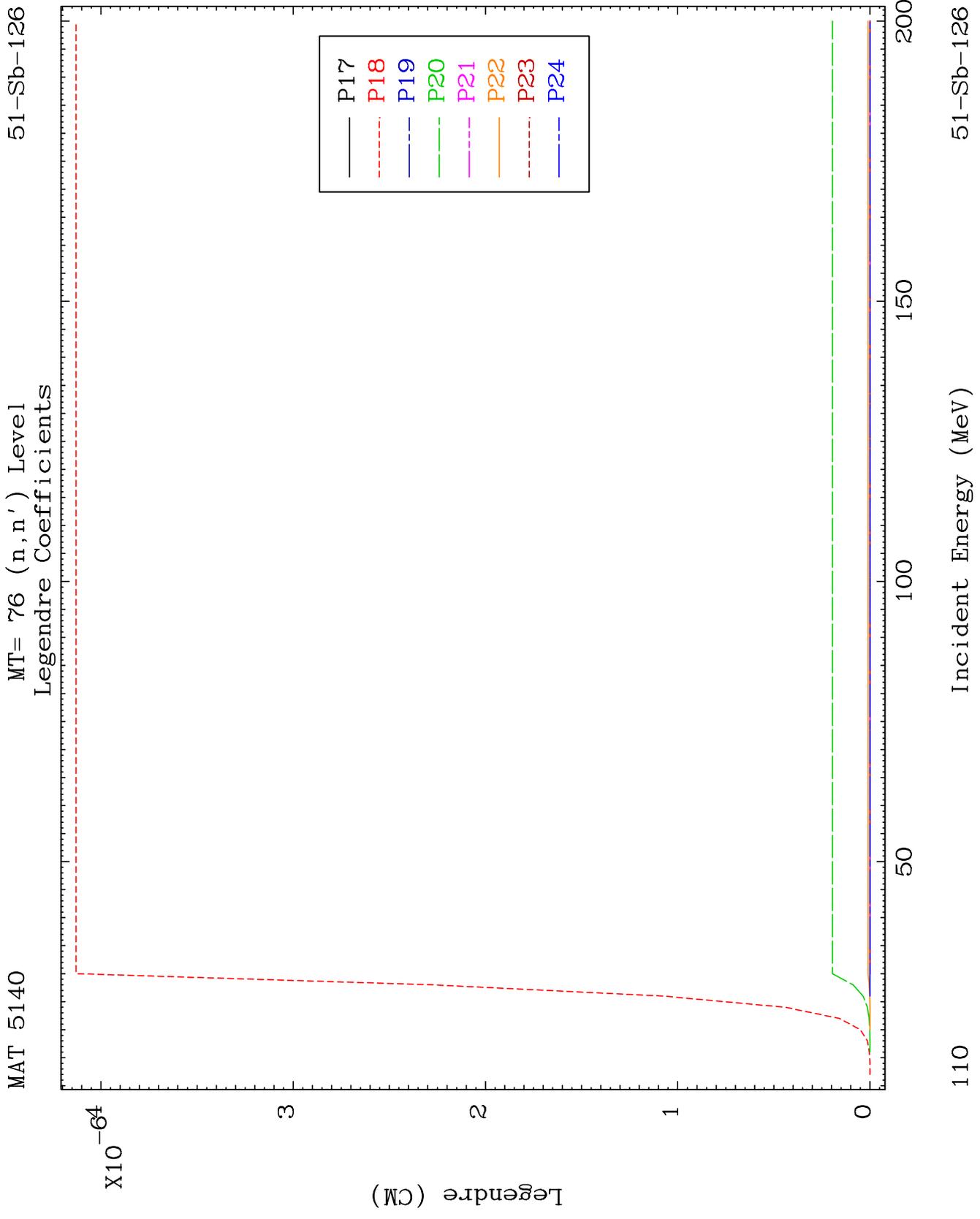


51-Sb-126

Incident Energy (MeV)

108

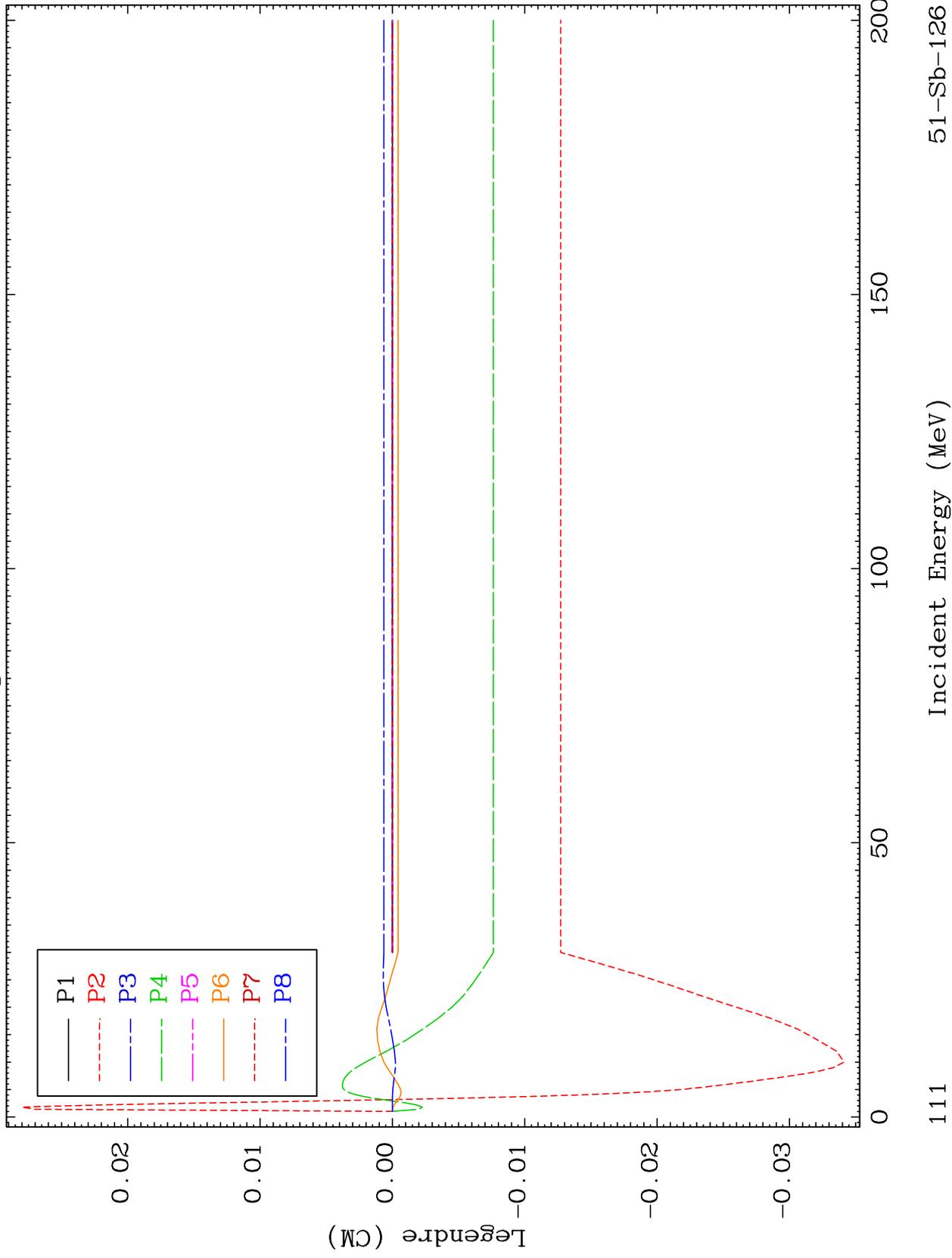




MAT 5140

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

51-Sb-126



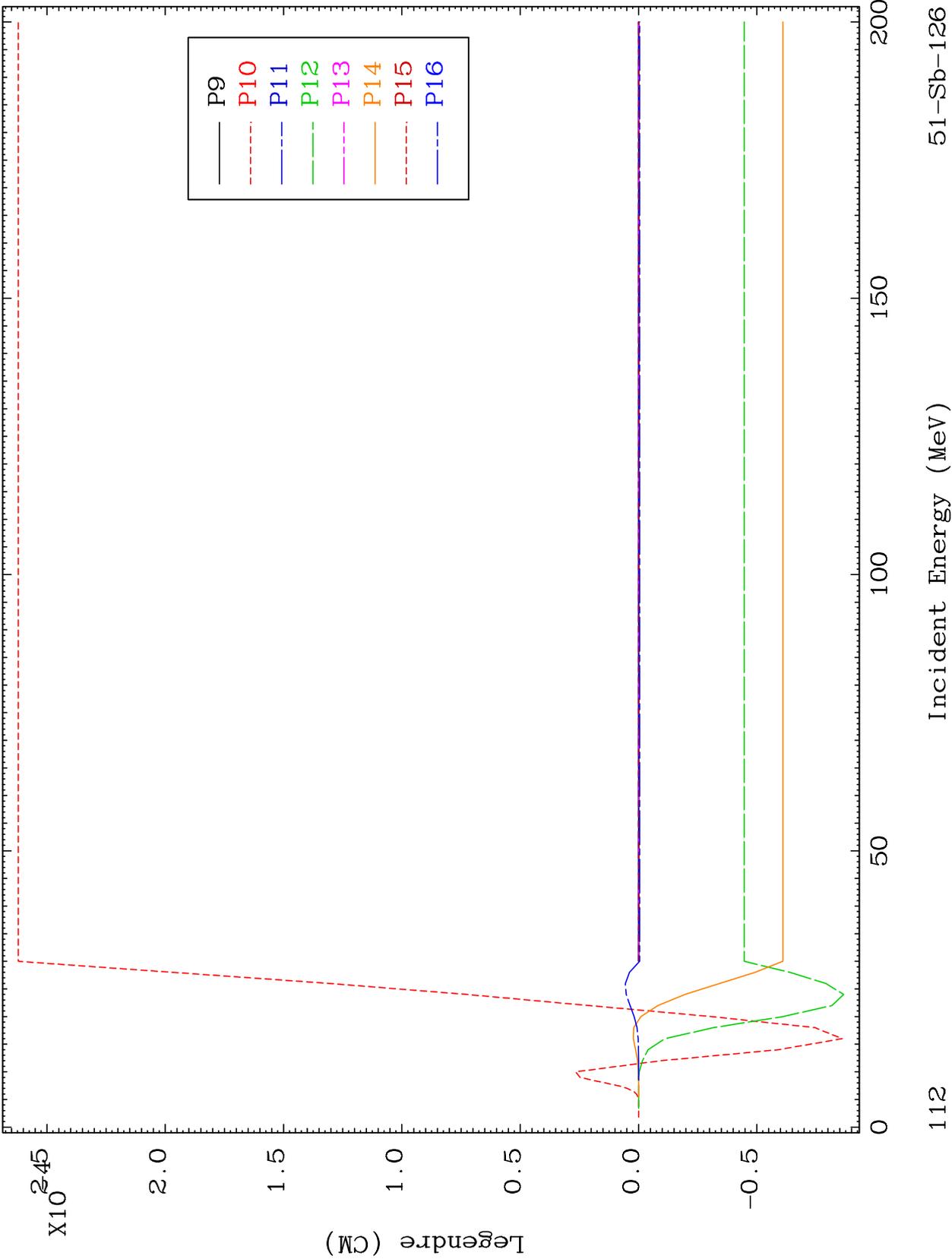
111

51-Sb-126

MAT 5140

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

51-Sb-126



51-Sb-126

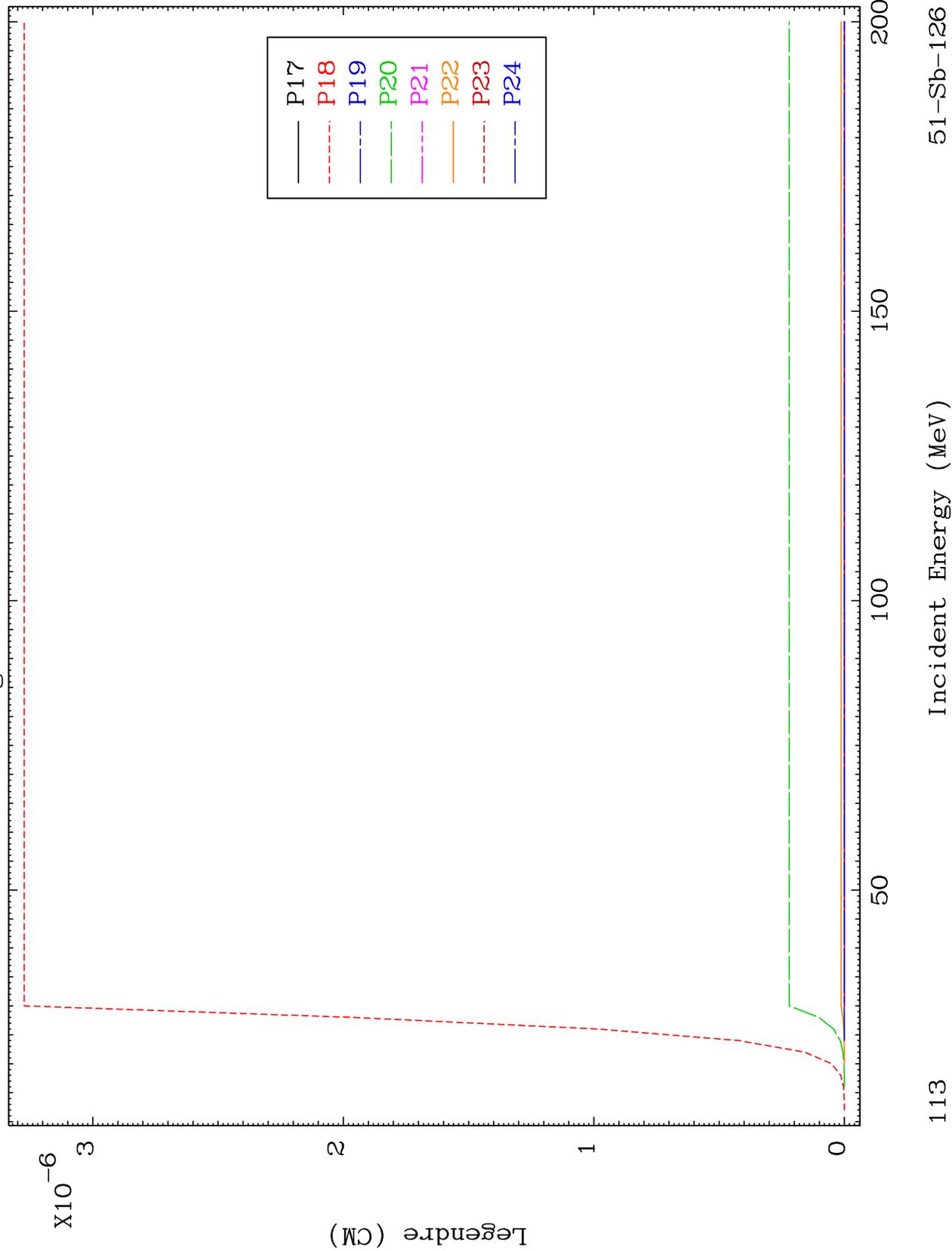
Incident Energy (MeV)

112

MAT 5140

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

51-Sb-126



113

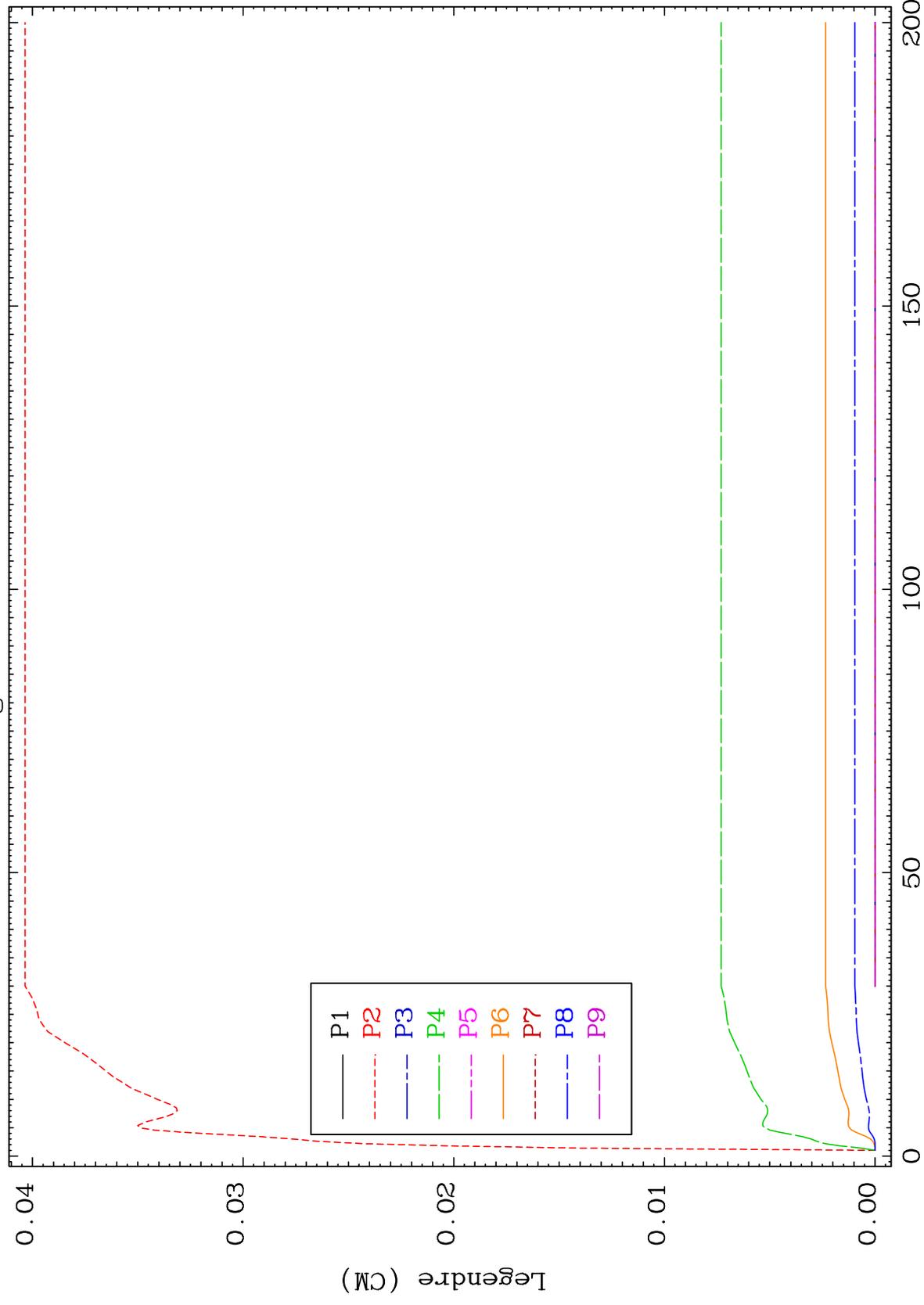
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



114

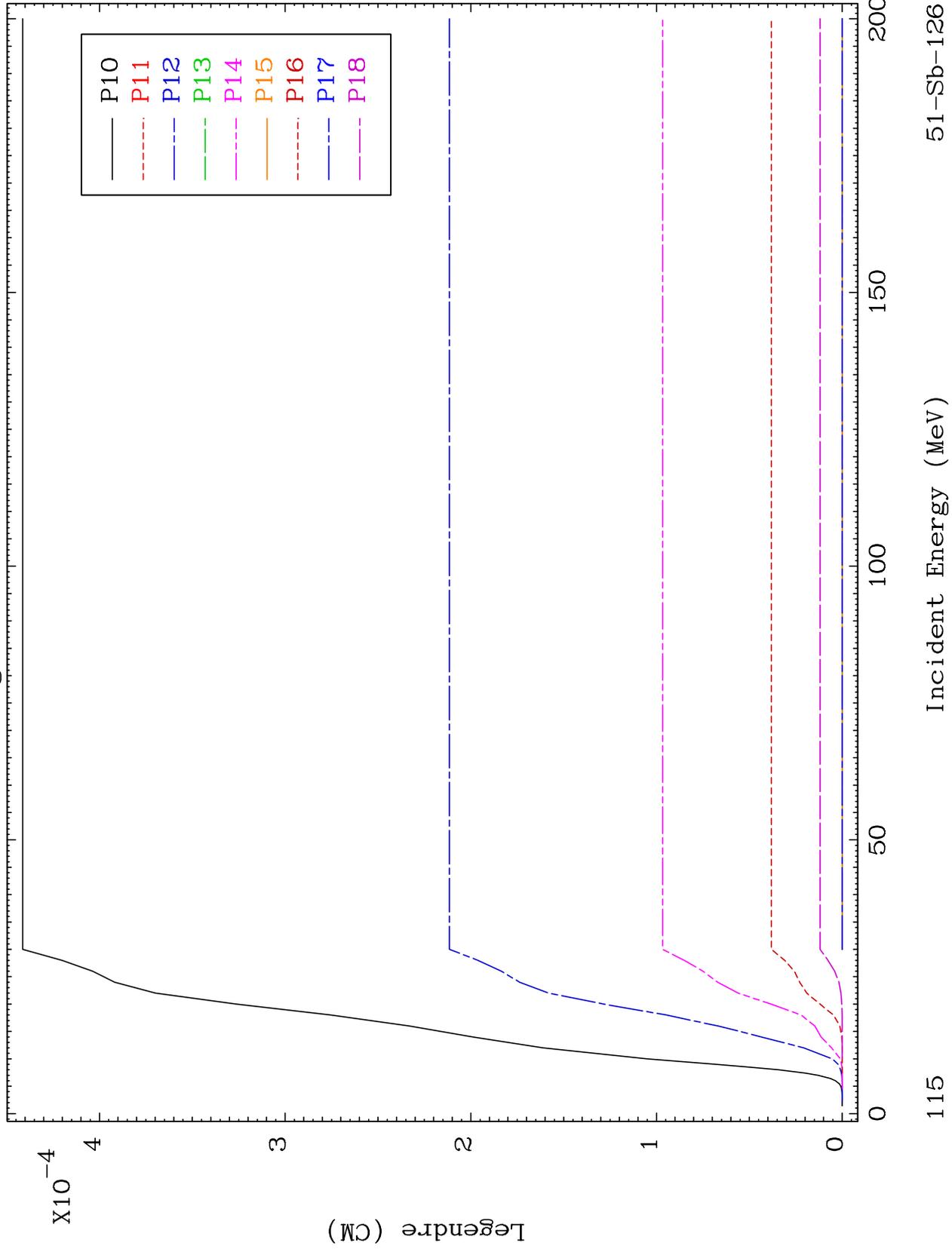
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

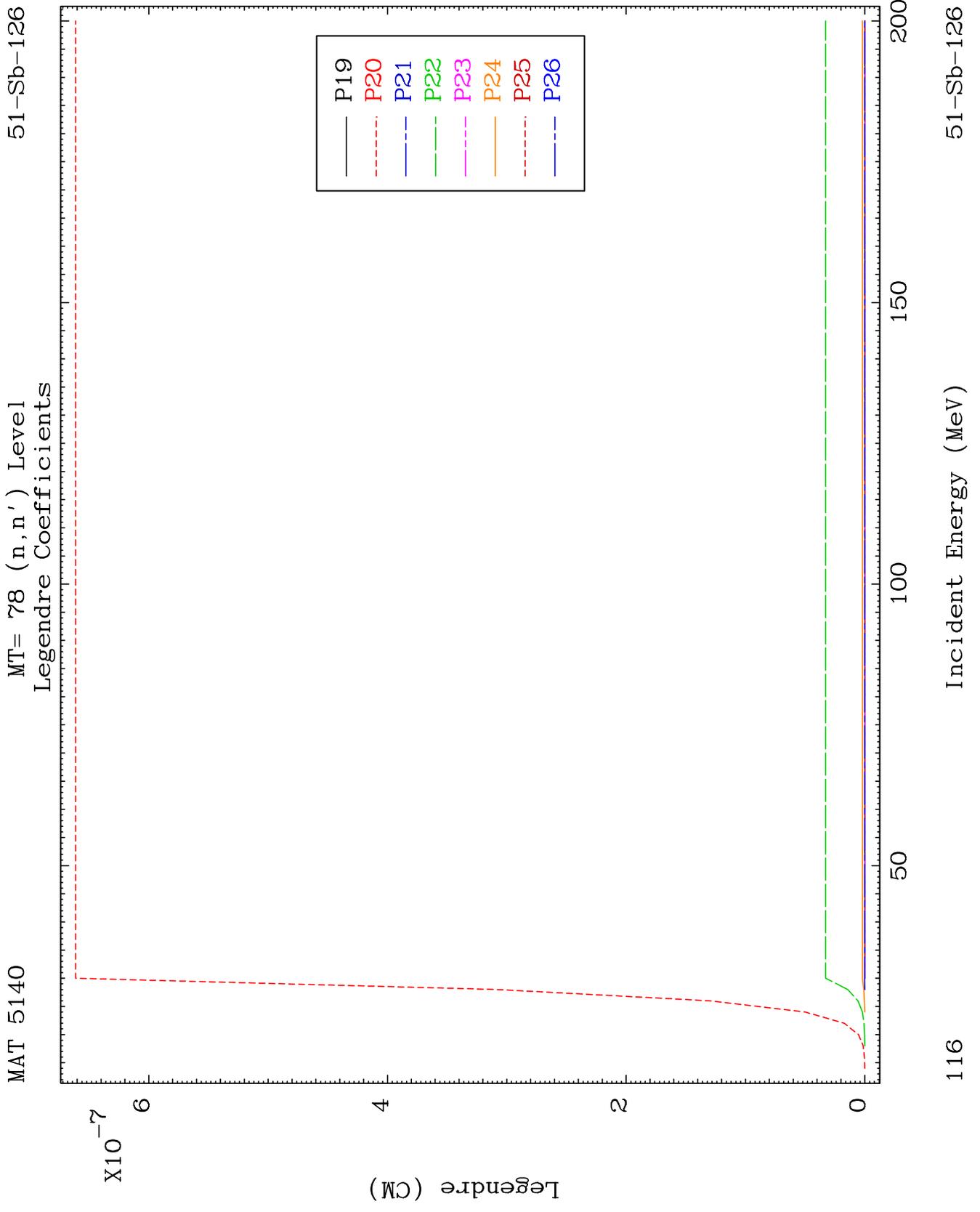
51-Sb-126



51-Sb-126

Incident Energy (MeV)

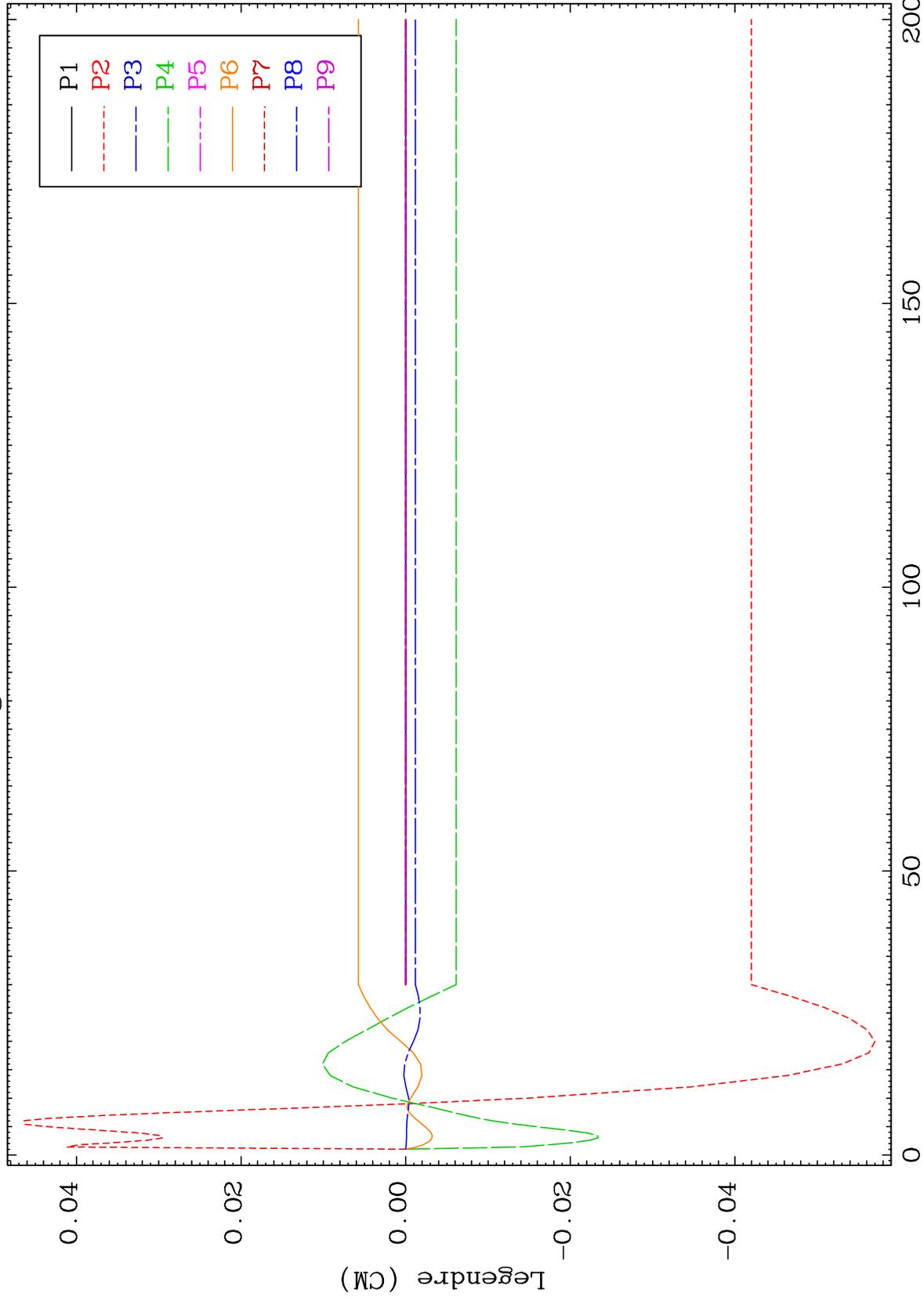
115



MAT 5140

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

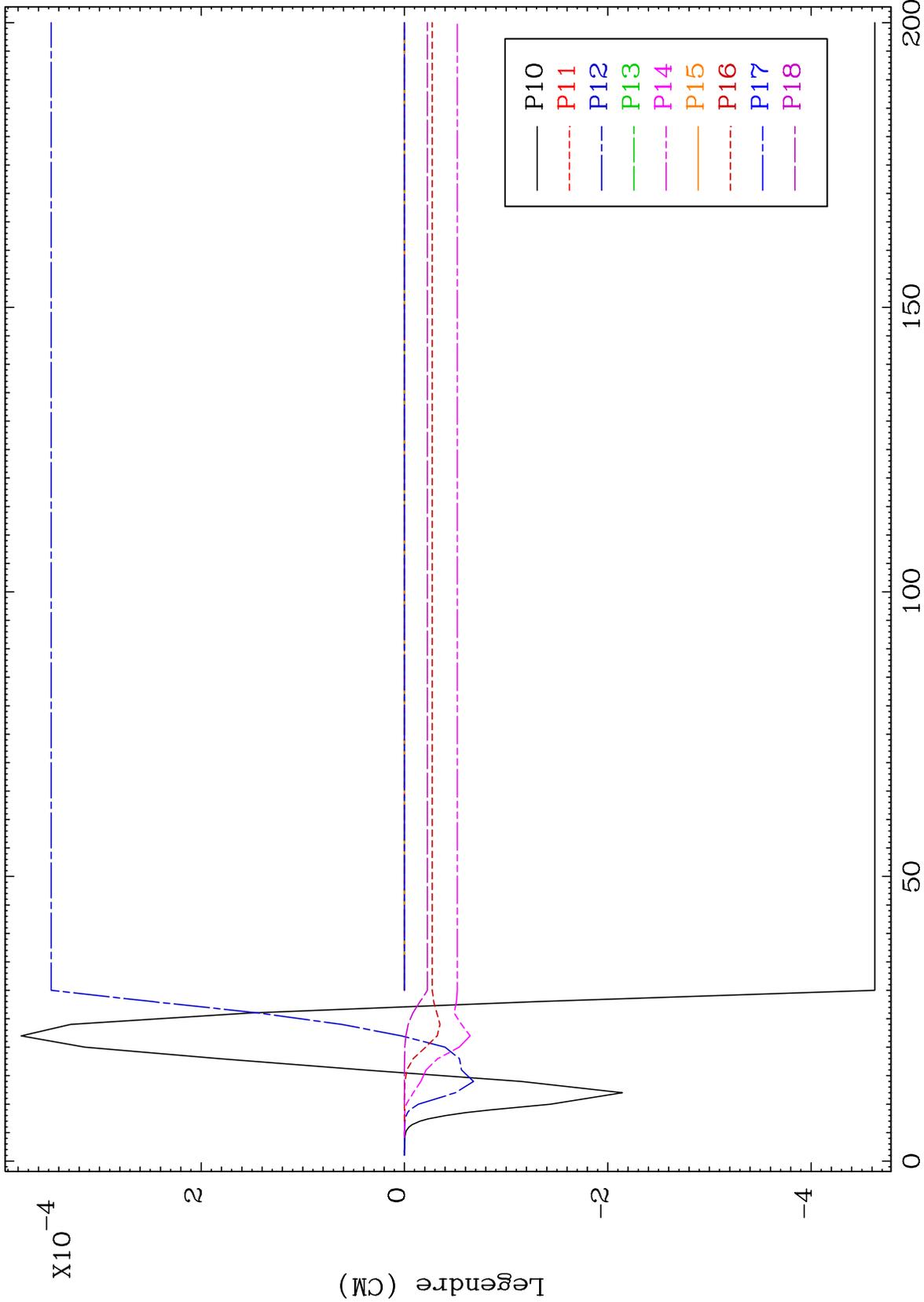
51-Sb-126



117

Incident Energy (MeV)

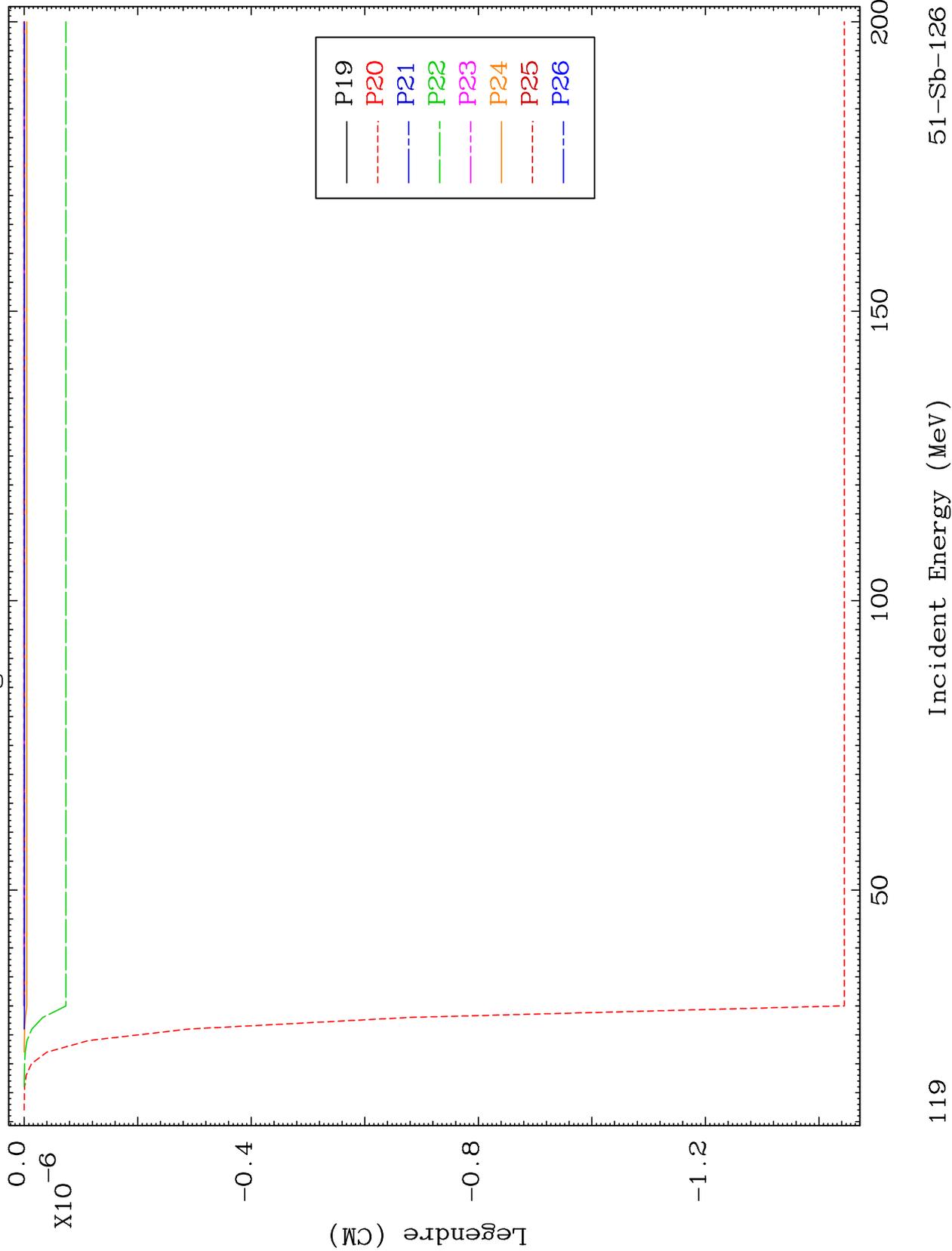
51-Sb-126



MAT 5140

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

51-Sb-126



119

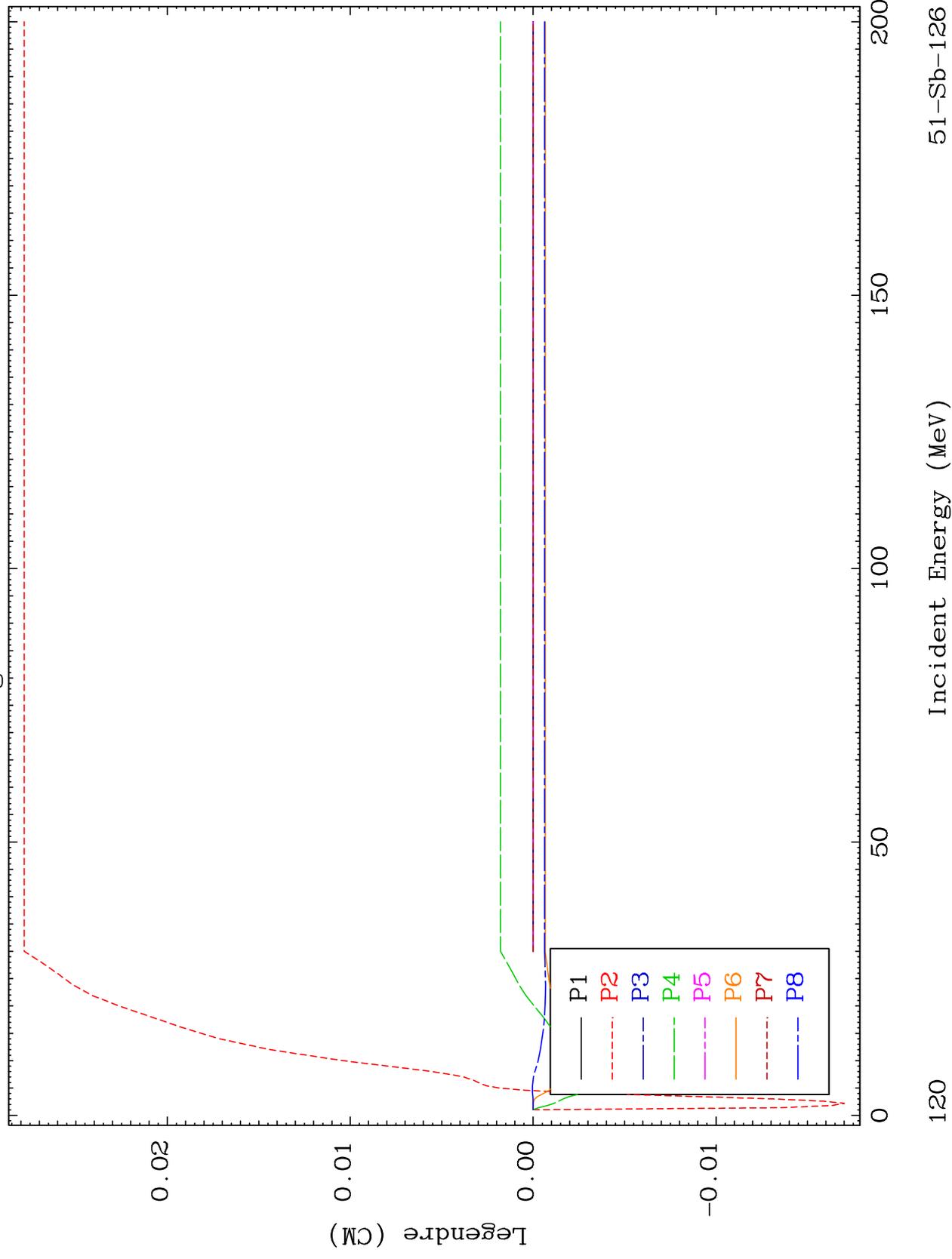
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

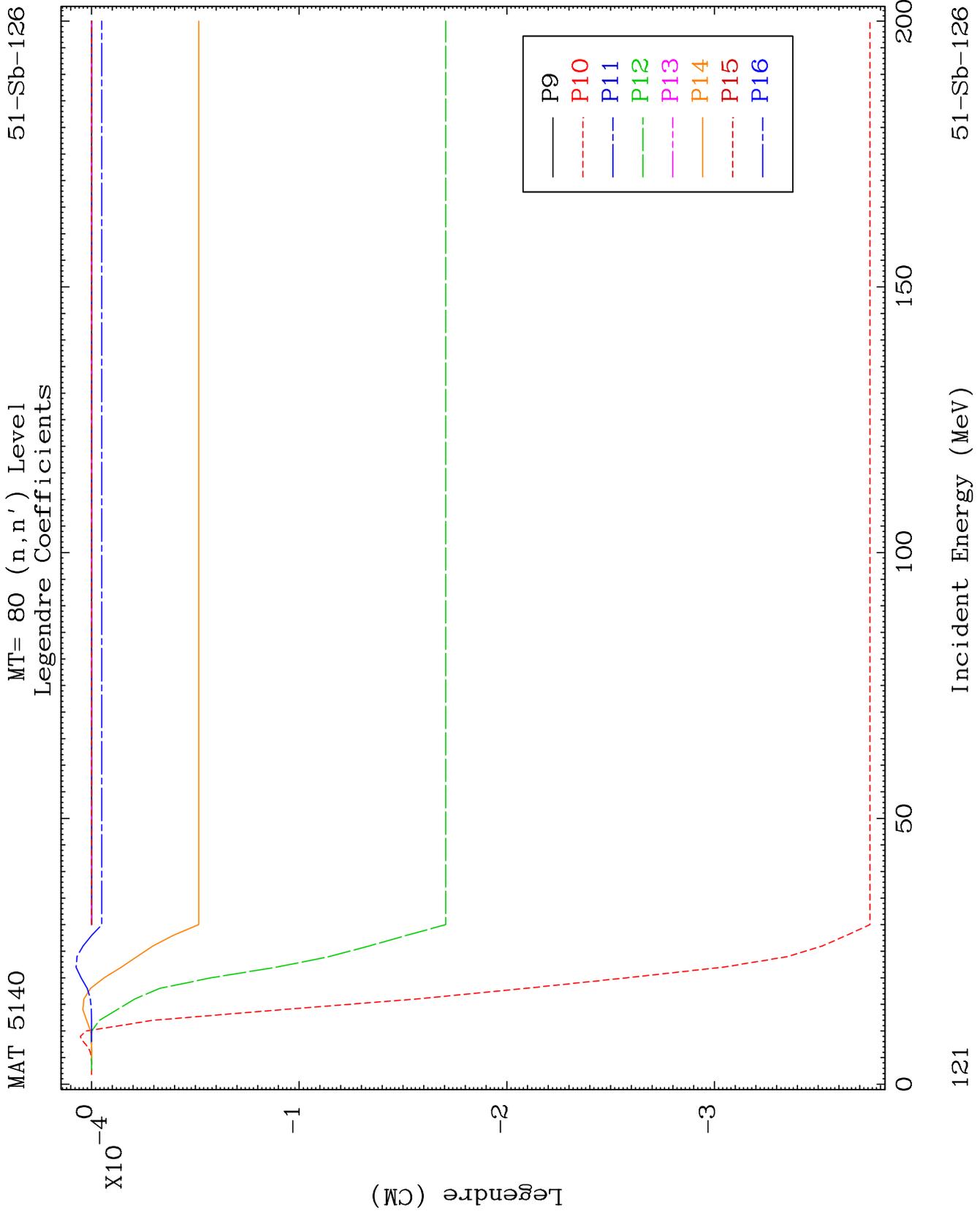
51-Sb-126

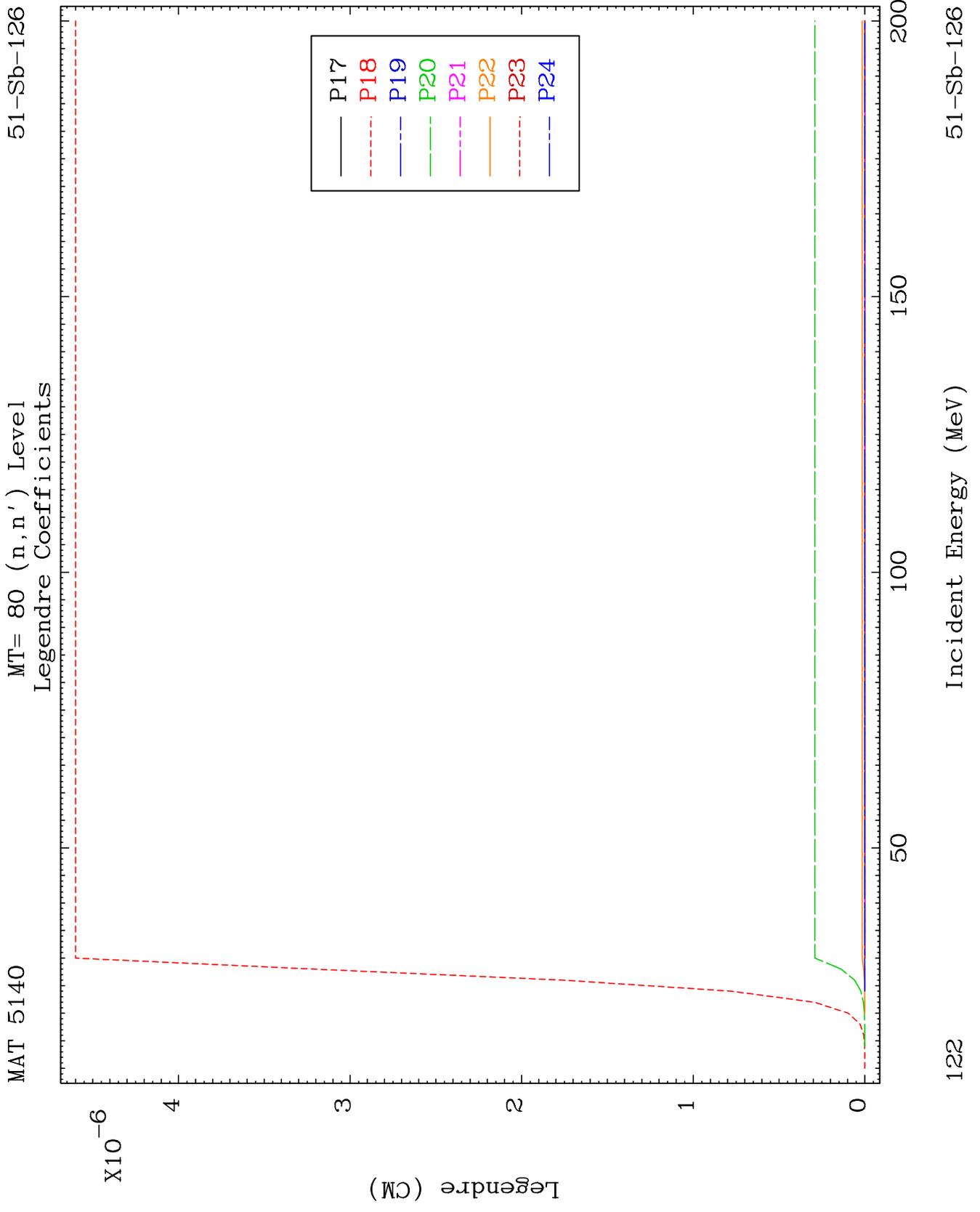


51-Sb-126

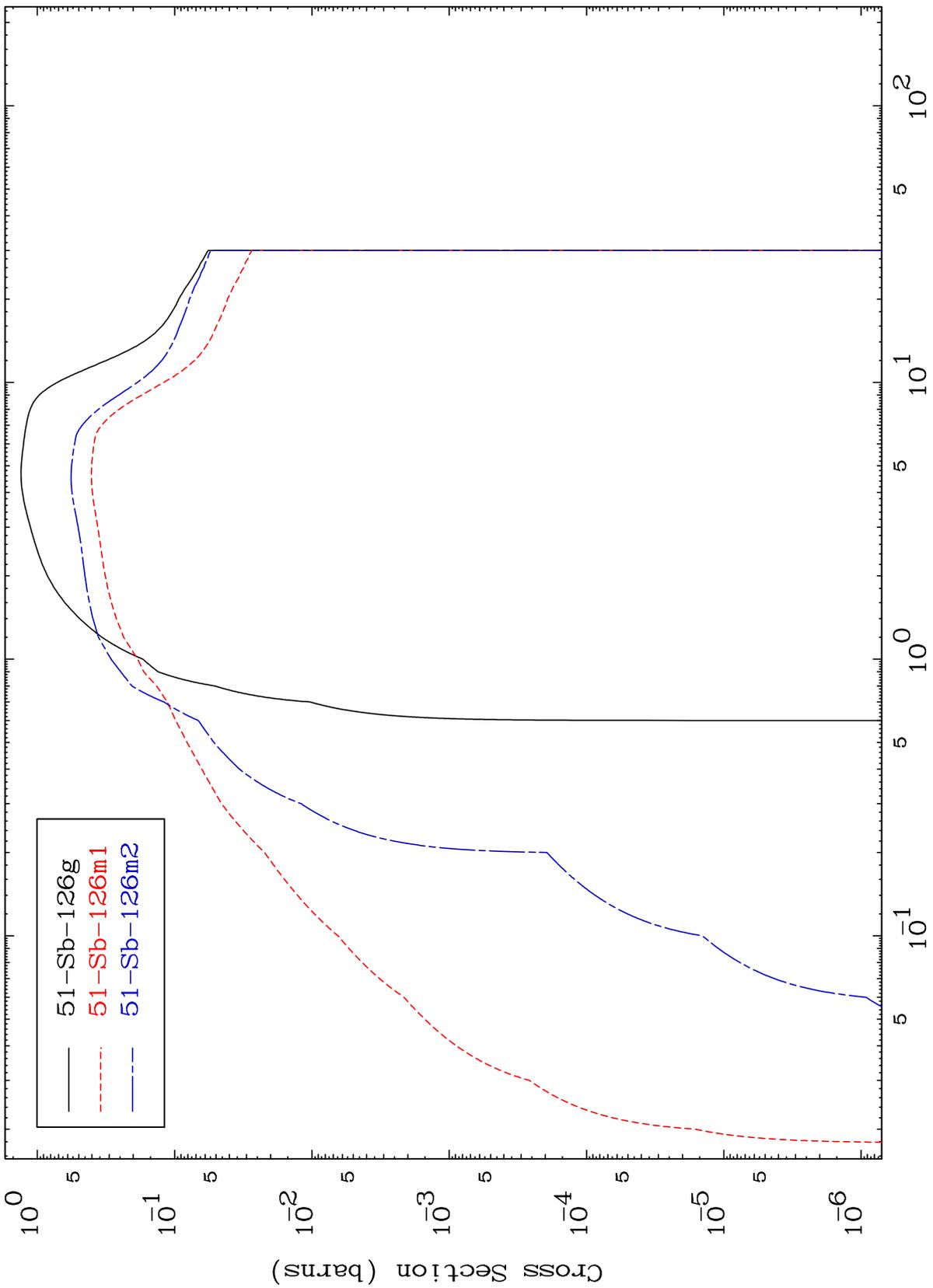
Incident Energy (MeV)

120





Radionuclide Production Cross Section

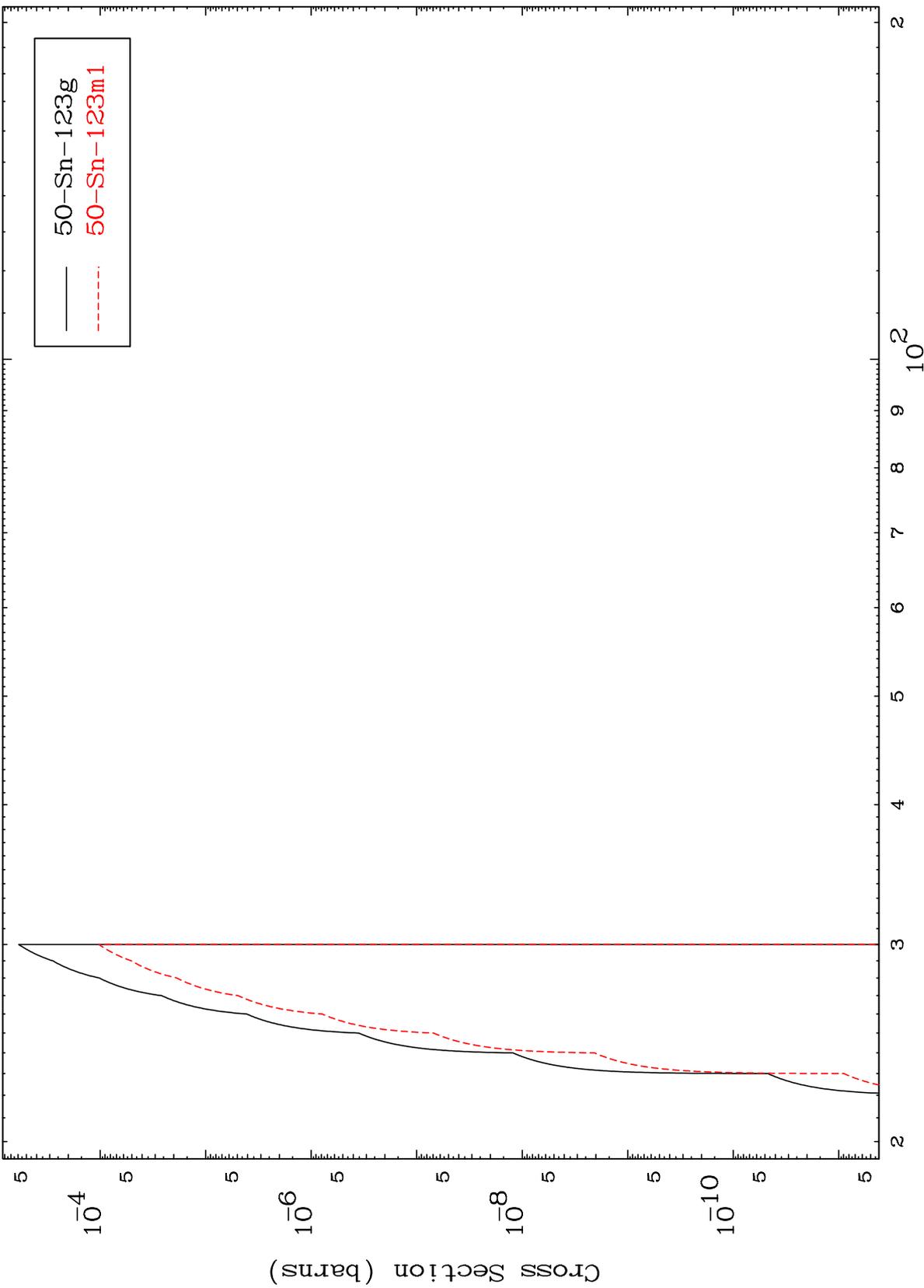


MAT 5140

(n,2n) d

51-Sb-126

Radionuclide Production Cross Section



124

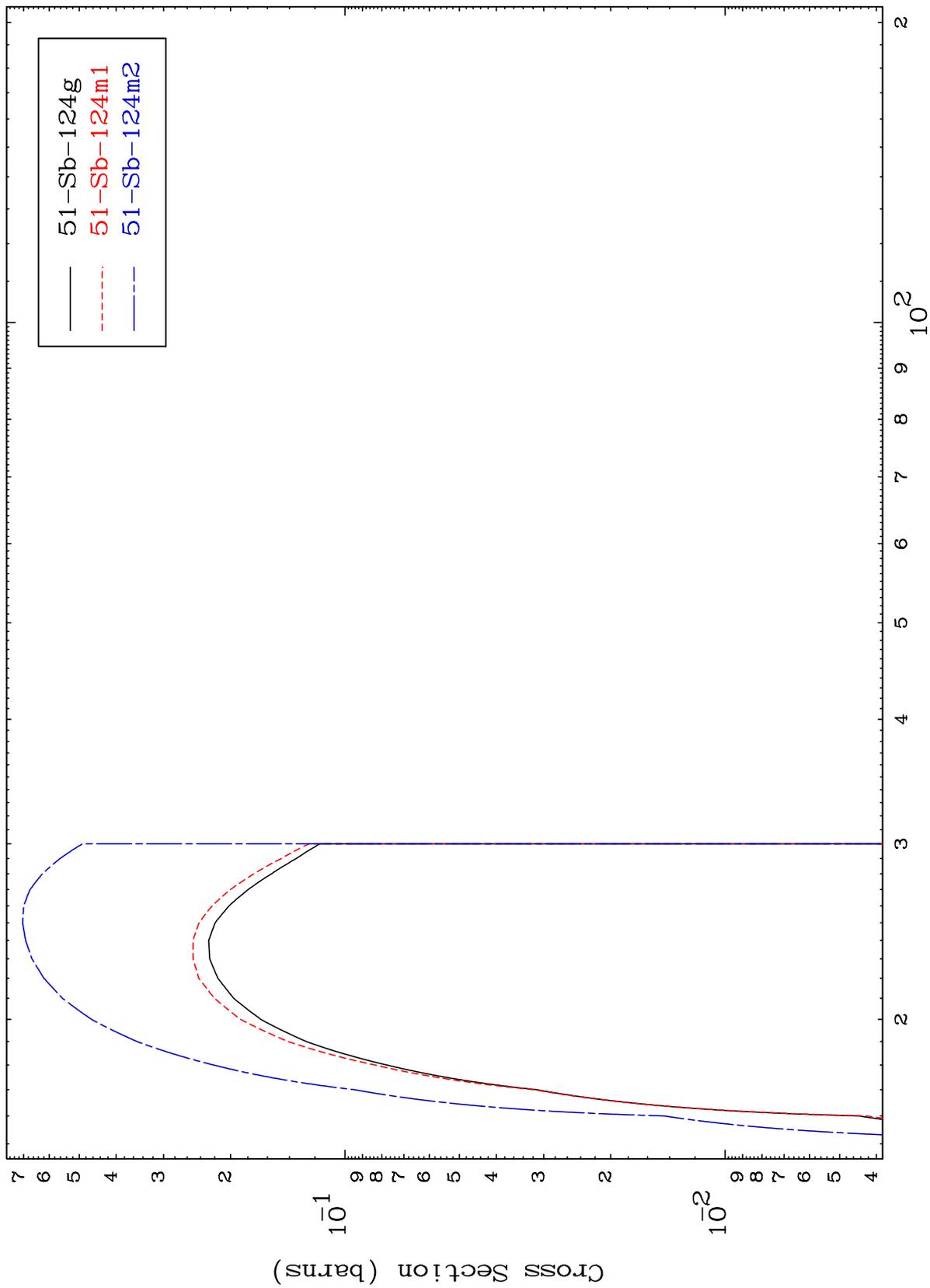
Incident Energy (MeV)

51-Sb-126

MAT 5140

51-Sb-126

(n,3n)  
Radionuclide Production Cross Section

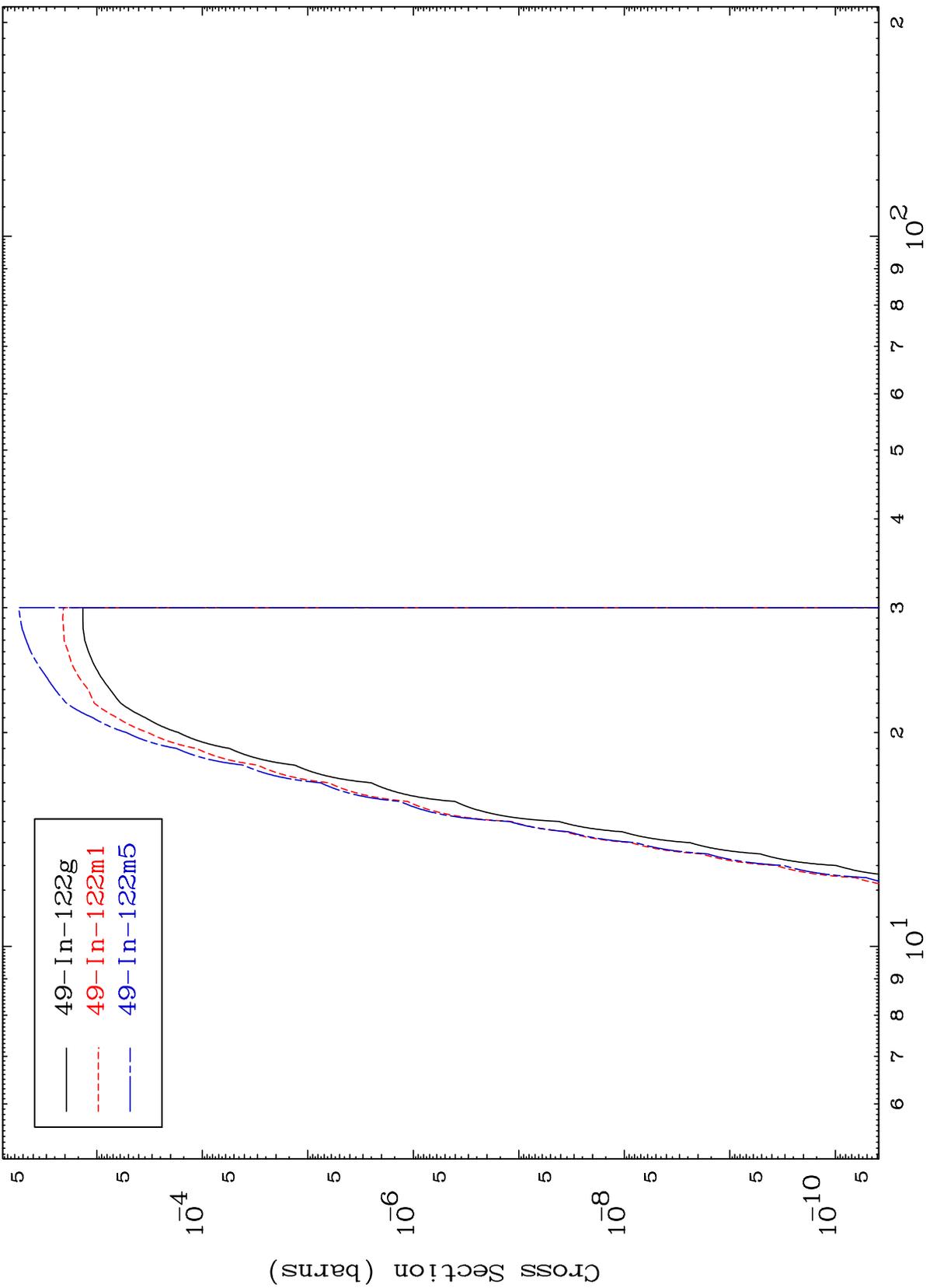


125

Incident Energy (MeV)

51-Sb-126

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

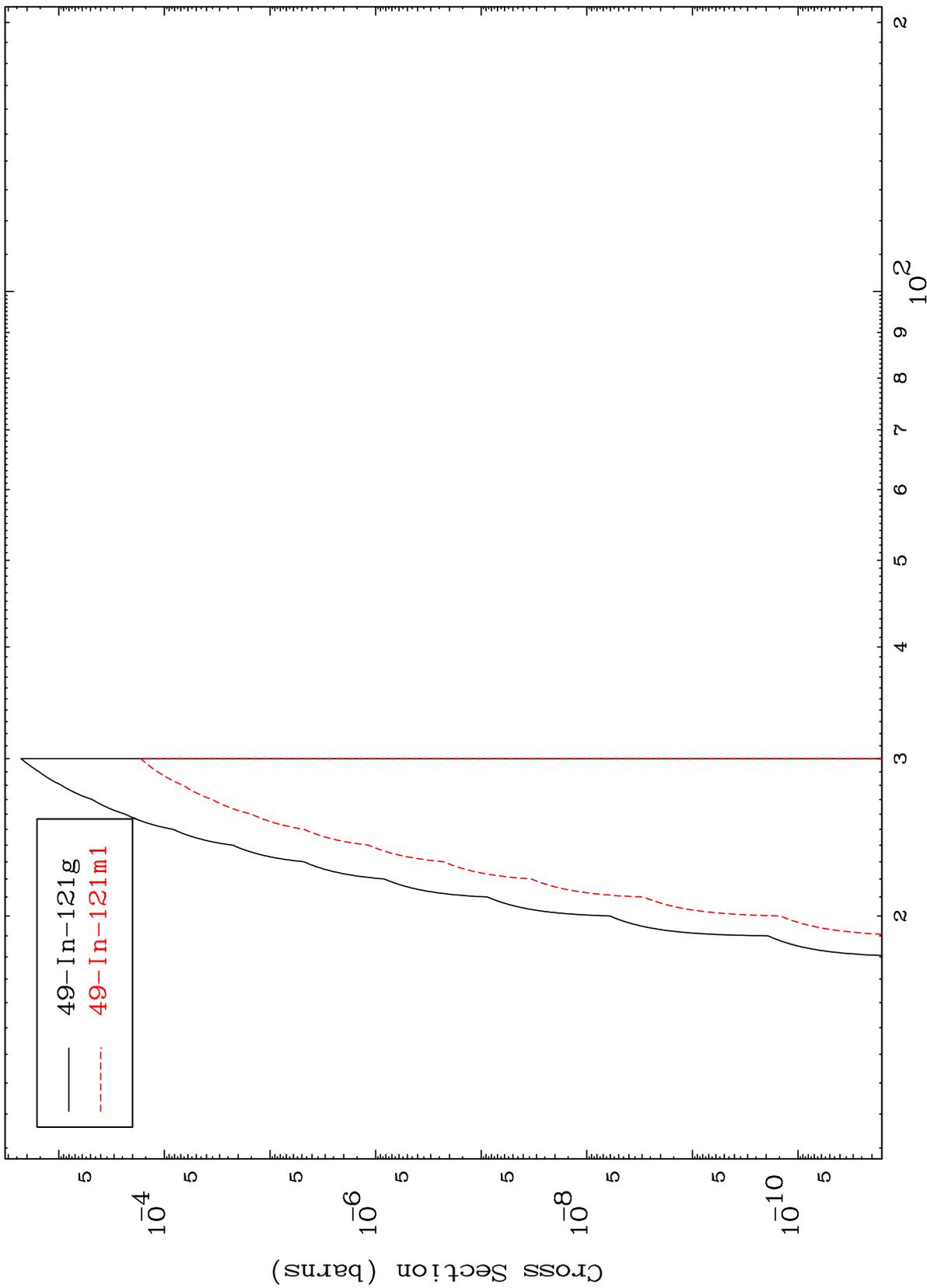


Legend:  
— 49-In-122g  
- - - 49-In-122m1  
- · - 49-In-122m5

MAT 5140

51-Sb-126

(n,2n)  $\alpha$   
Radionuclide Production Cross Section

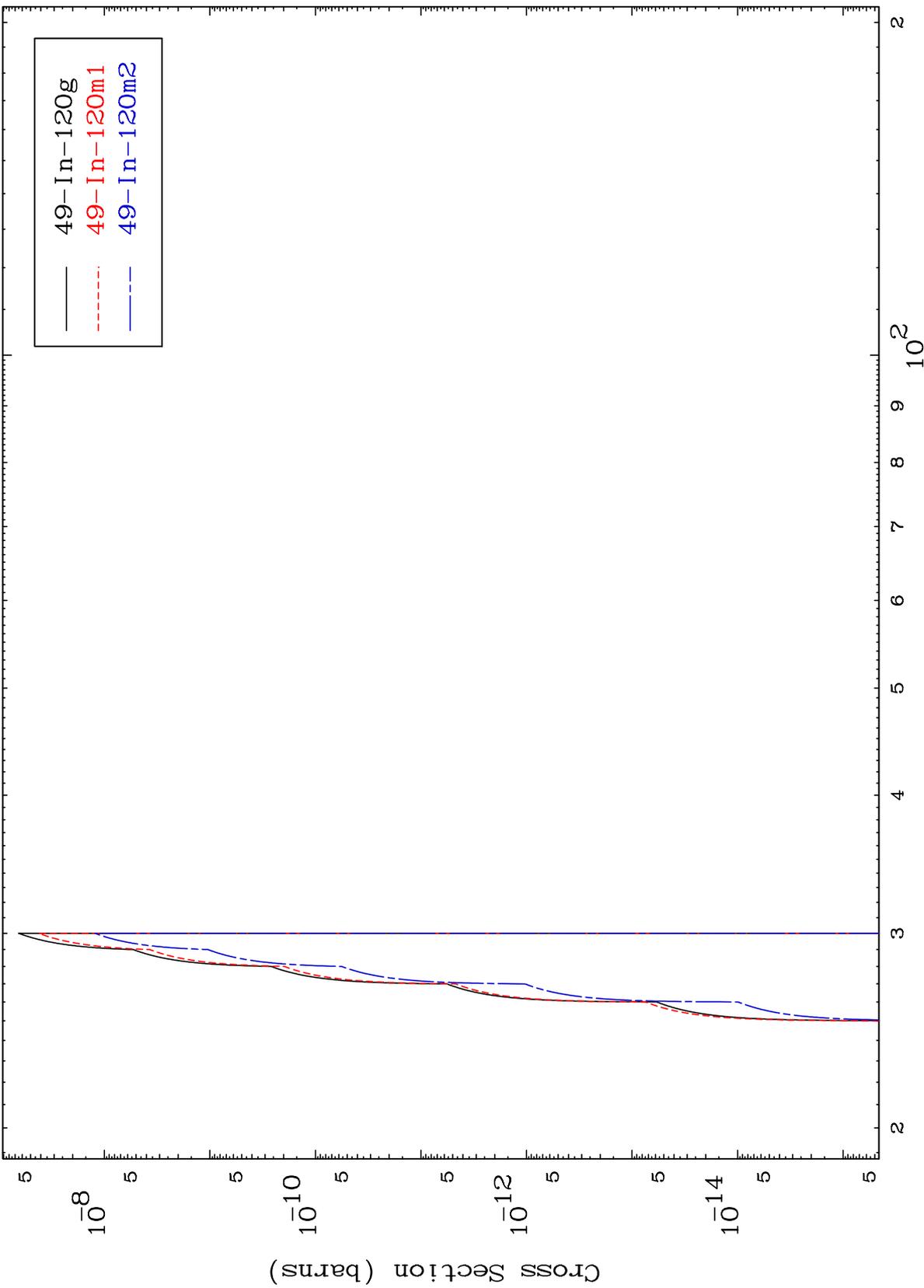


51-Sb-126

Incident Energy (MeV)

127

Radionuclide Production Cross Section

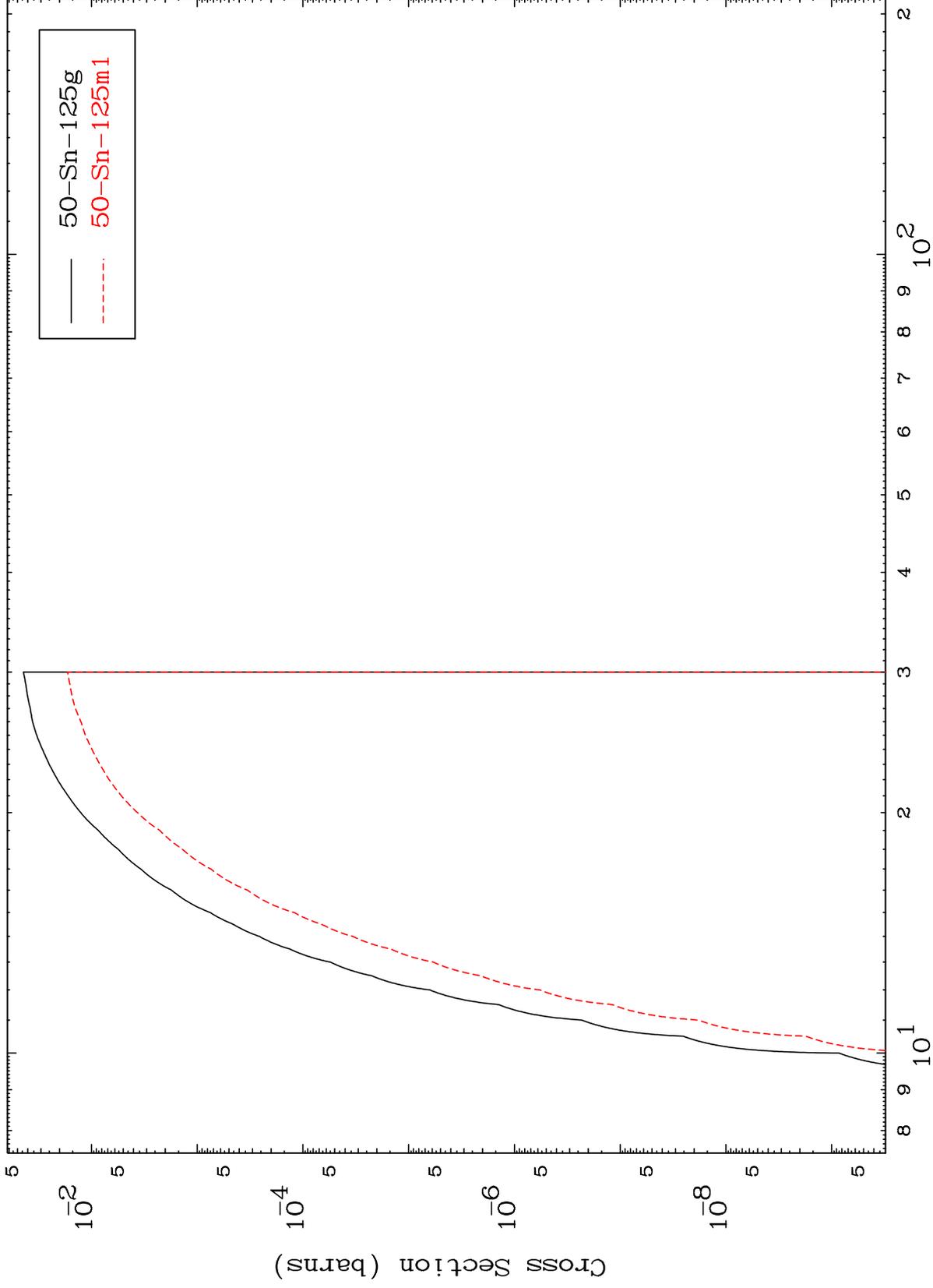


MAT 5140

(n,n') p

51-Sb-126

Radionuclide Production Cross Section



129

Incident Energy (MeV)

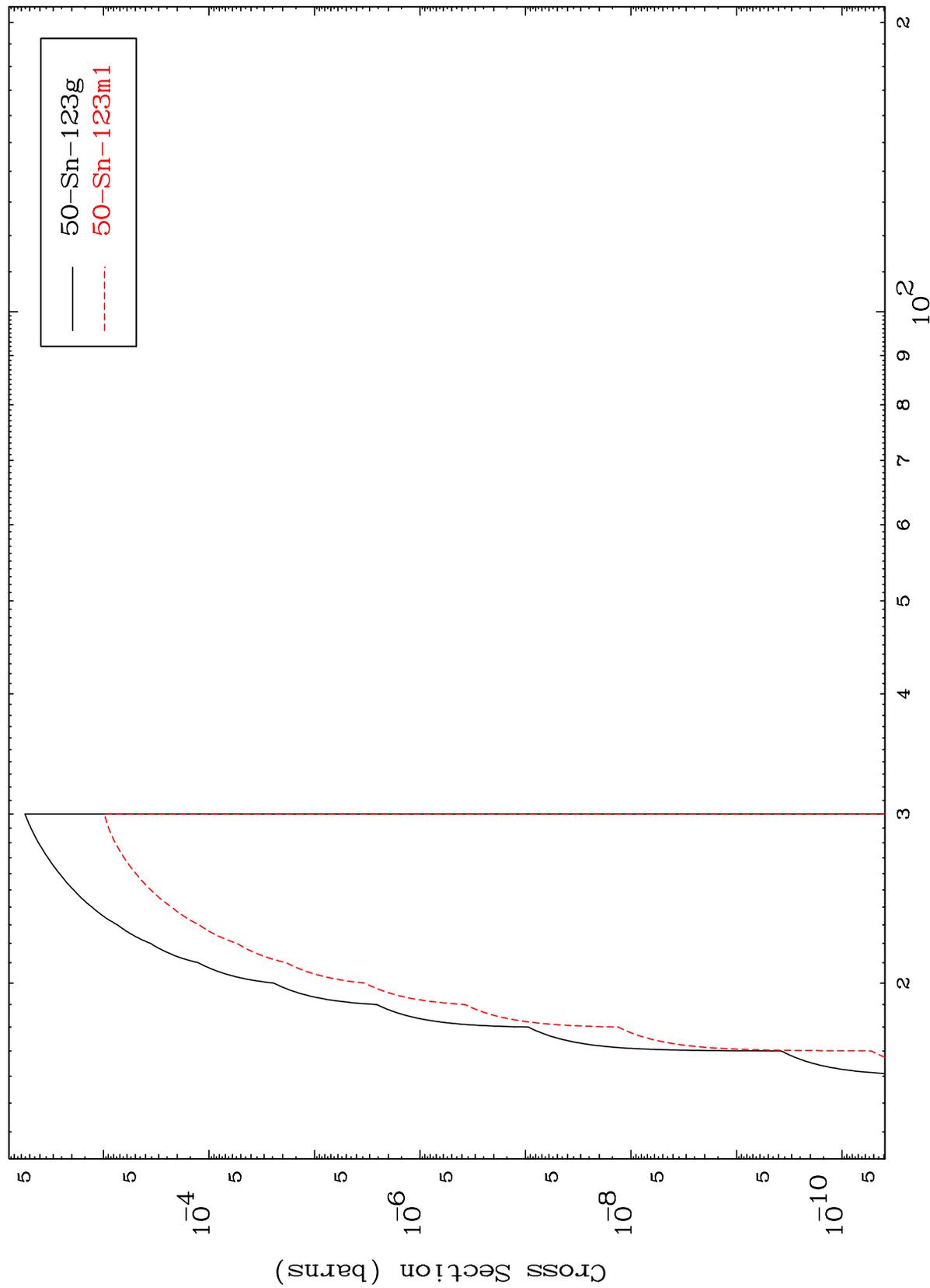
51-Sb-126

MAT 5140

(n,n') t

51-Sb-126

Radionuclide Production Cross Section



130

Incident Energy (MeV)

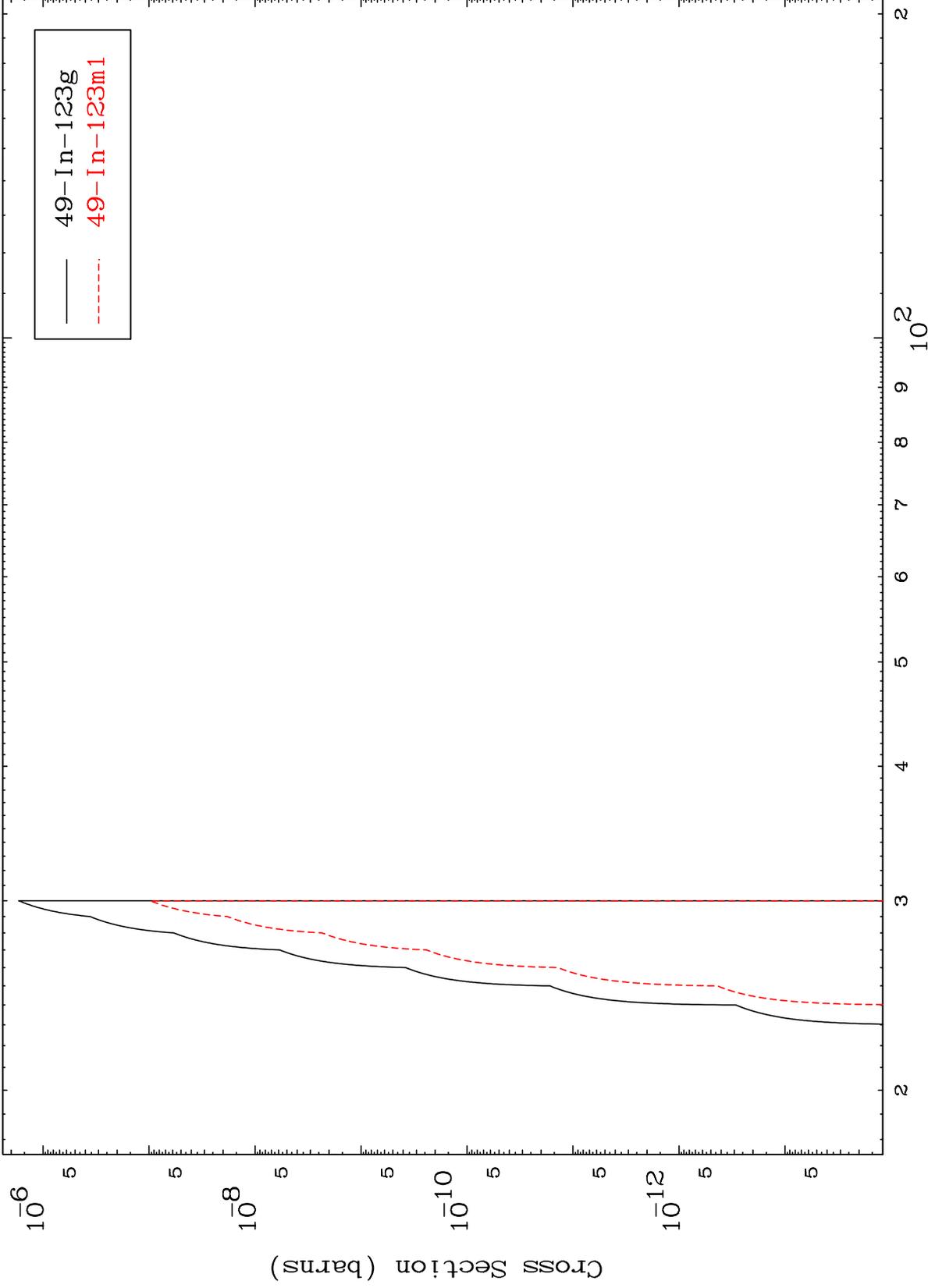
51-Sb-126

MAT 5140

(n,n') He-3

51-Sb-126

Radionuclide Production Cross Section



131

Incident Energy (MeV)

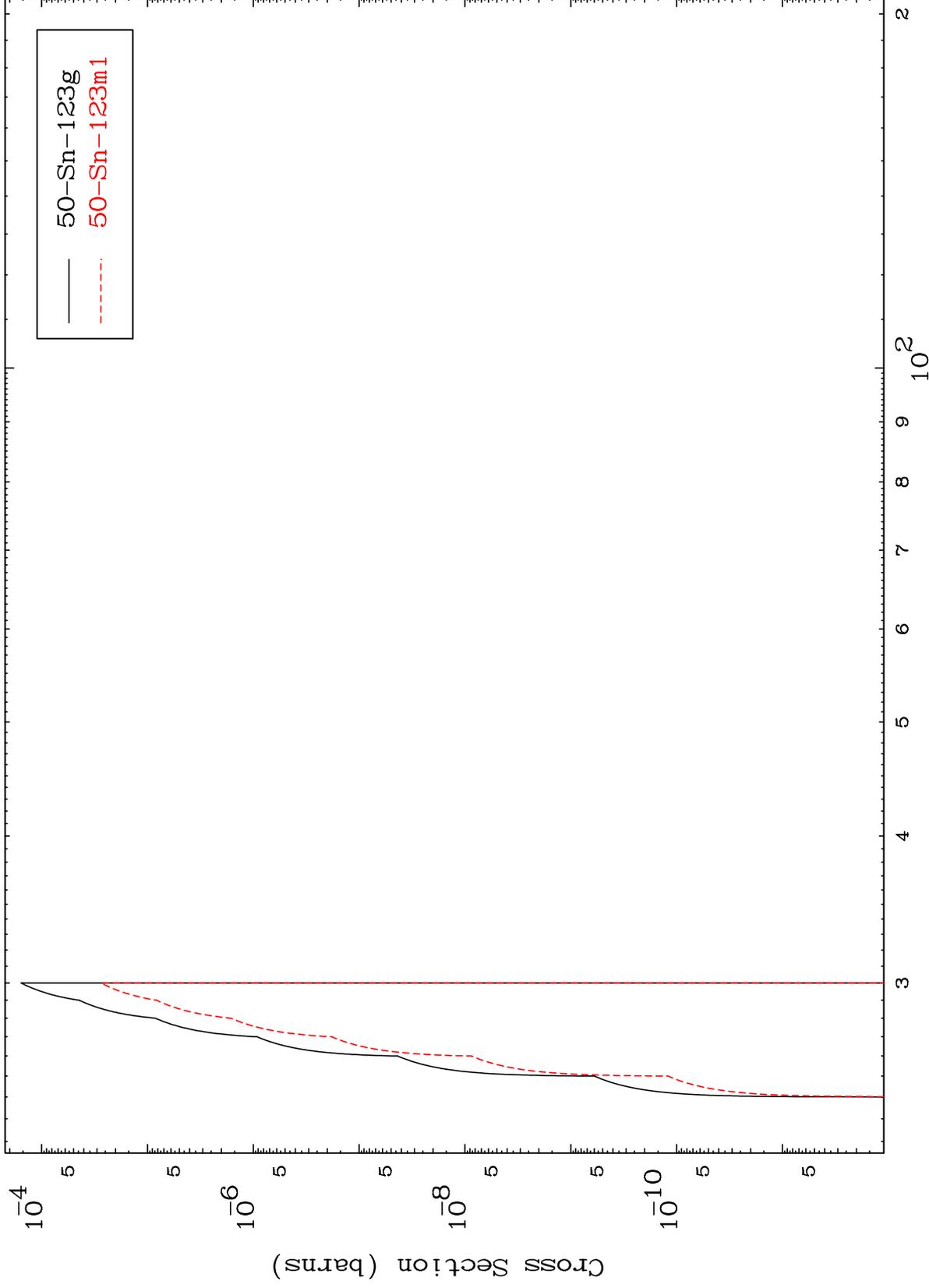
51-Sb-126

MAT 5140

(n,3n) p

51-Sb-126

Radionuclide Production Cross Section



132

Incident Energy (MeV)

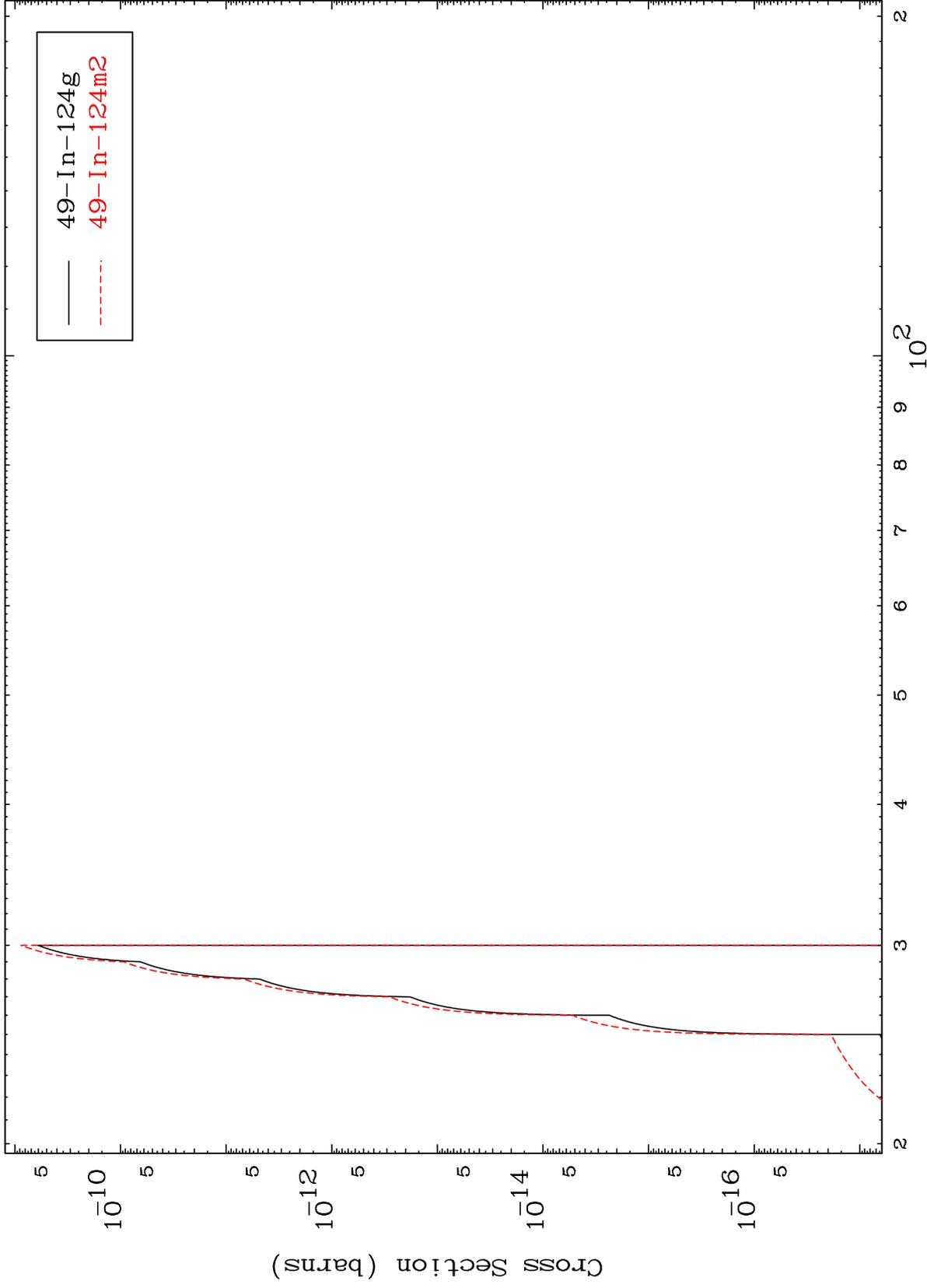
51-Sb-126

MAT 5140

(n,2n) p

51-Sb-126

Radionuclide Production Cross Section



133

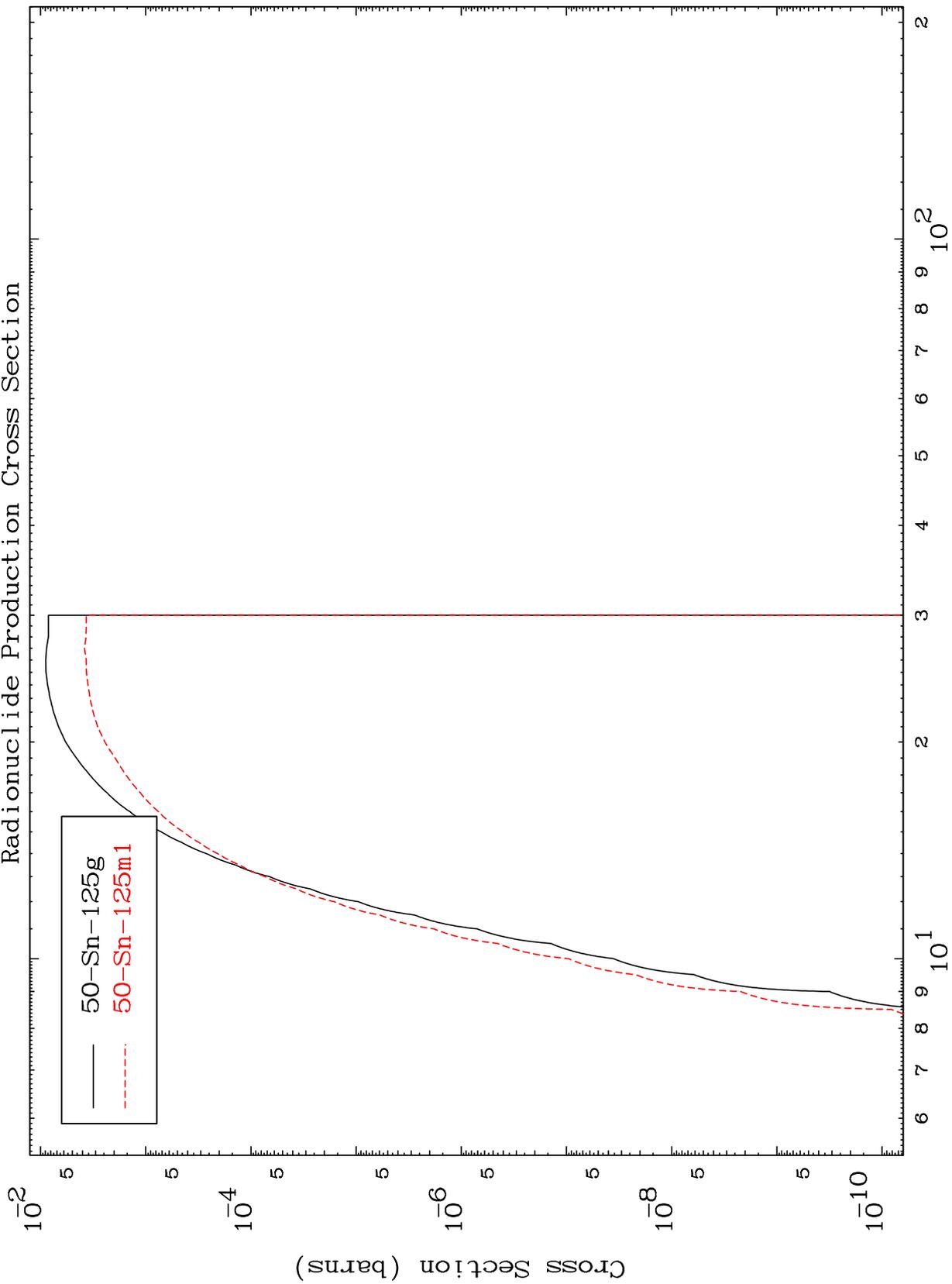
Incident Energy (MeV)

51-Sb-126

MAT 5140

51-Sb-126

(n,d)  
Radionuclide Production Cross Section

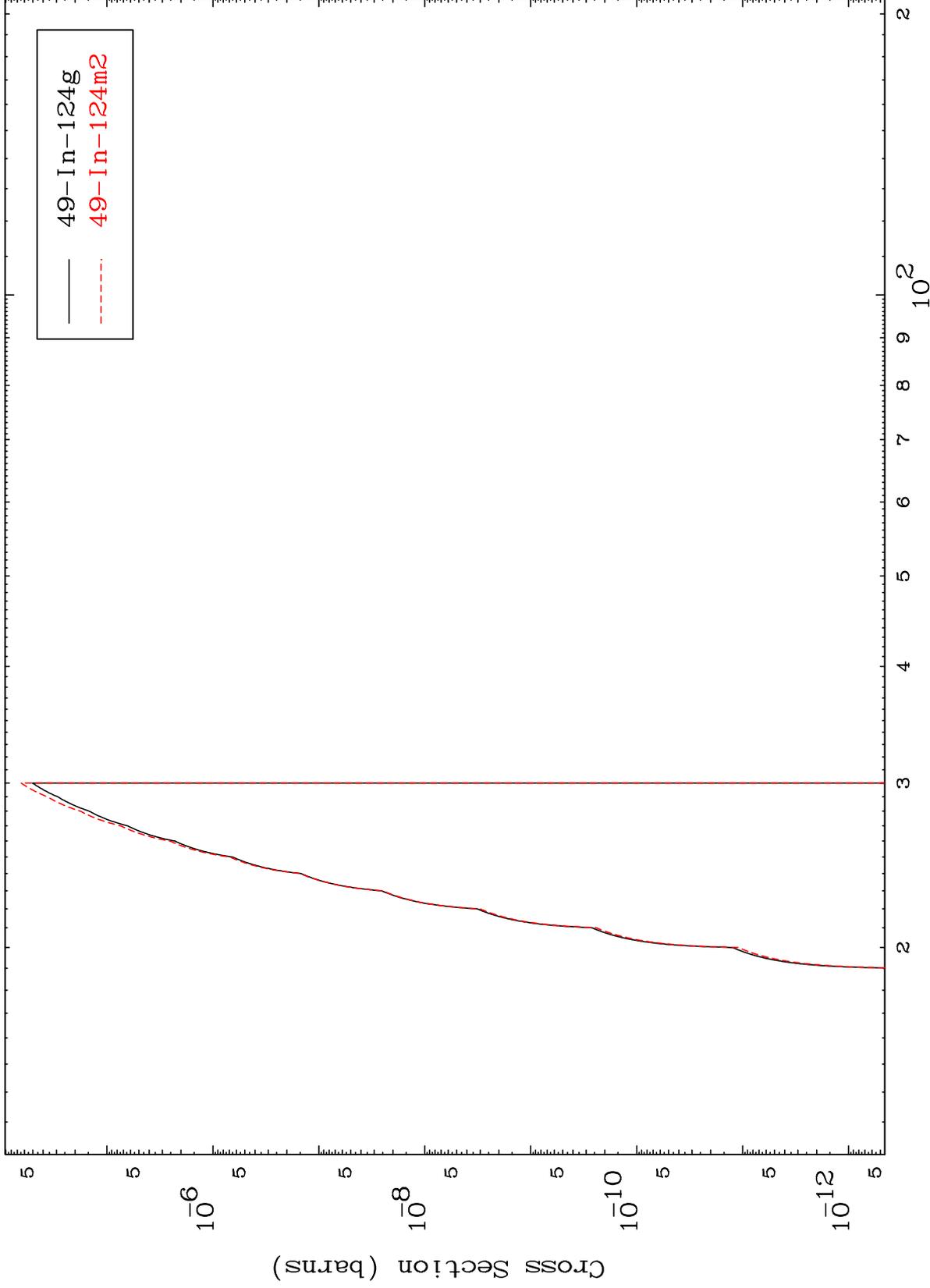


51-Sb-126

Incident Energy (MeV)

134

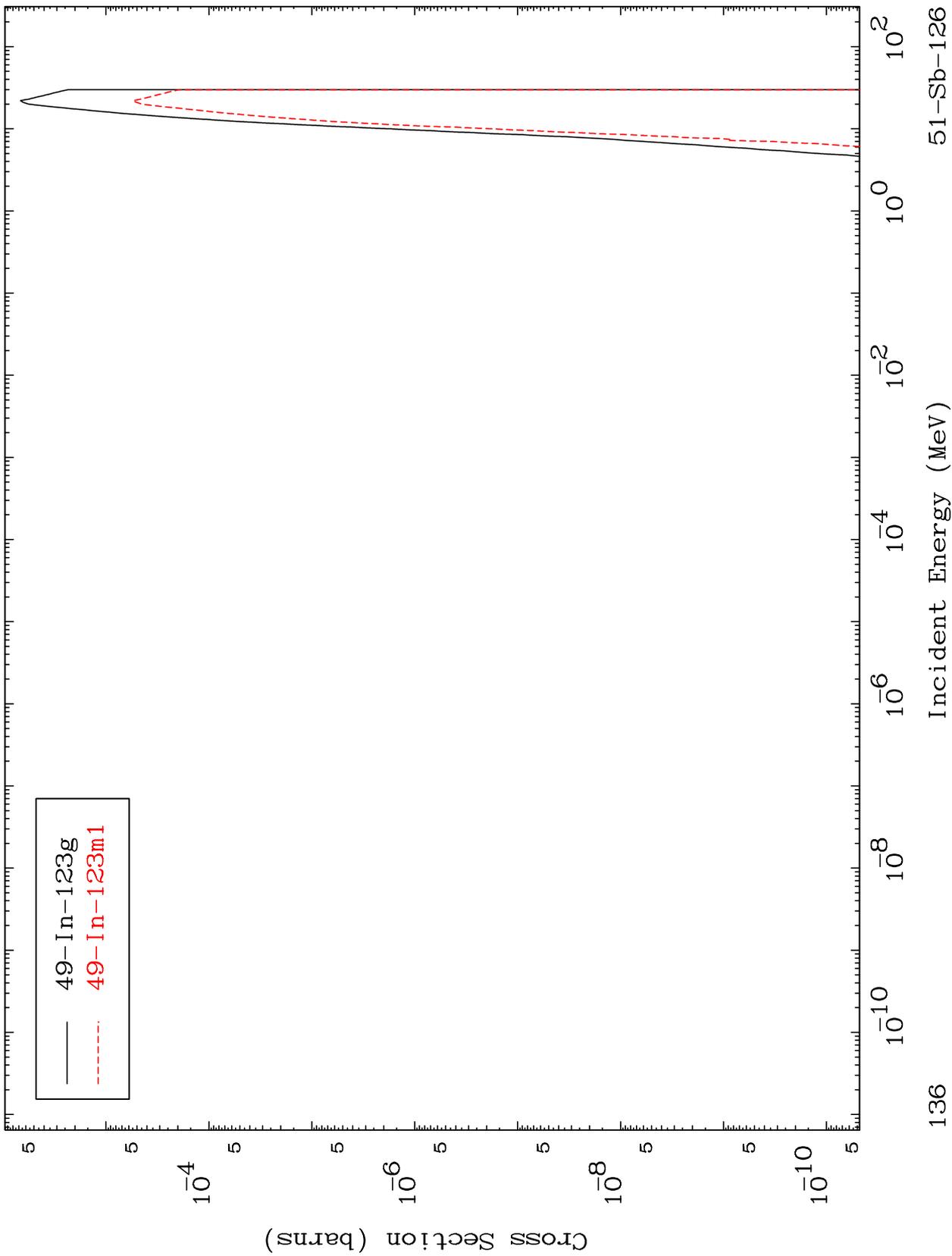
Radionuclide Production Cross Section



MAT 5140

51-Sb-126

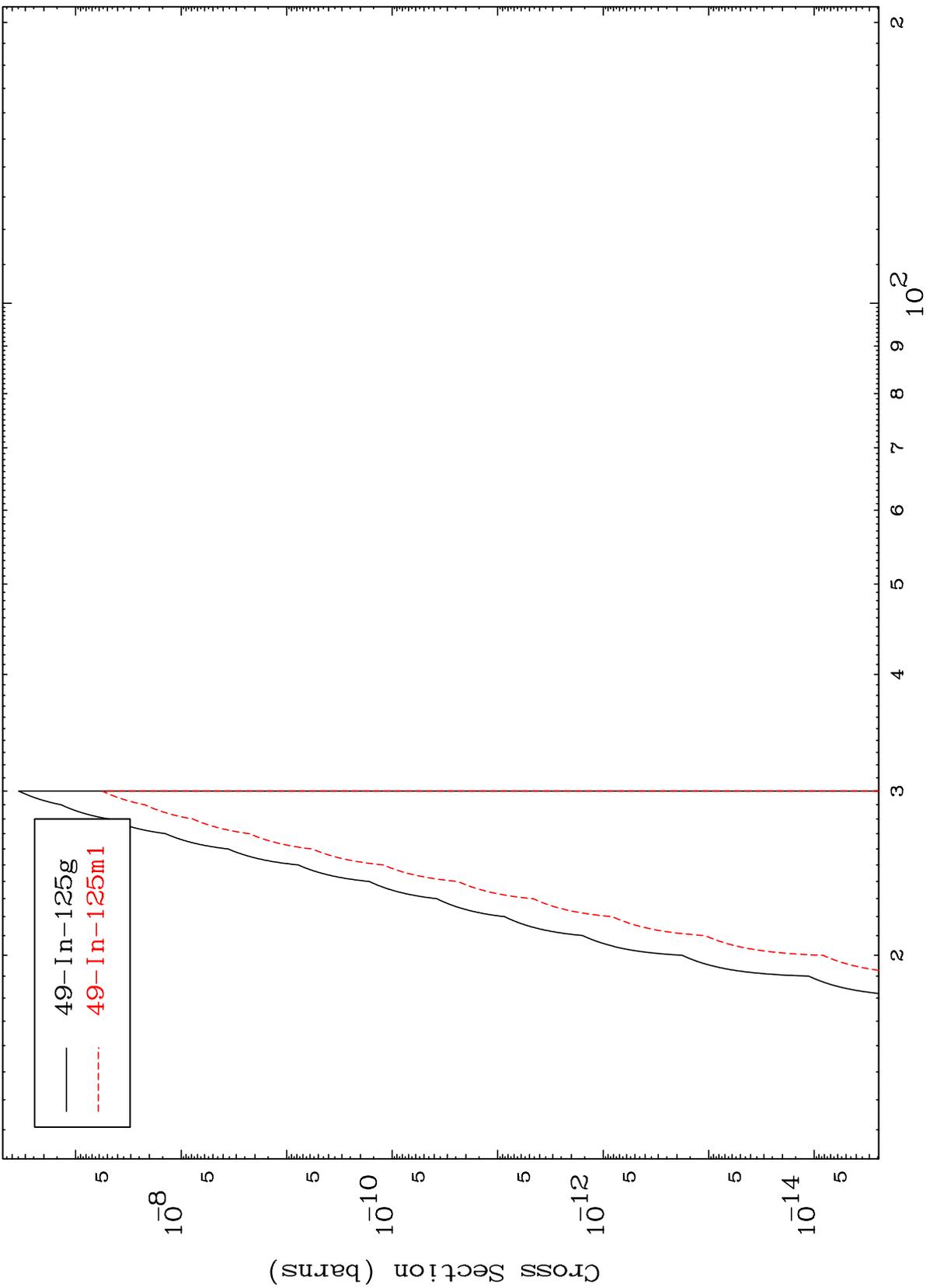
(n,  $\alpha$ )  
Radionuclide Production Cross Section



MAT 5140

51-Sb-126

(n,2p)  
Radionuclide Production Cross Section



— 49-In-125g  
- - - 49-In-125m1

137

Incident Energy (MeV)

51-Sb-126