

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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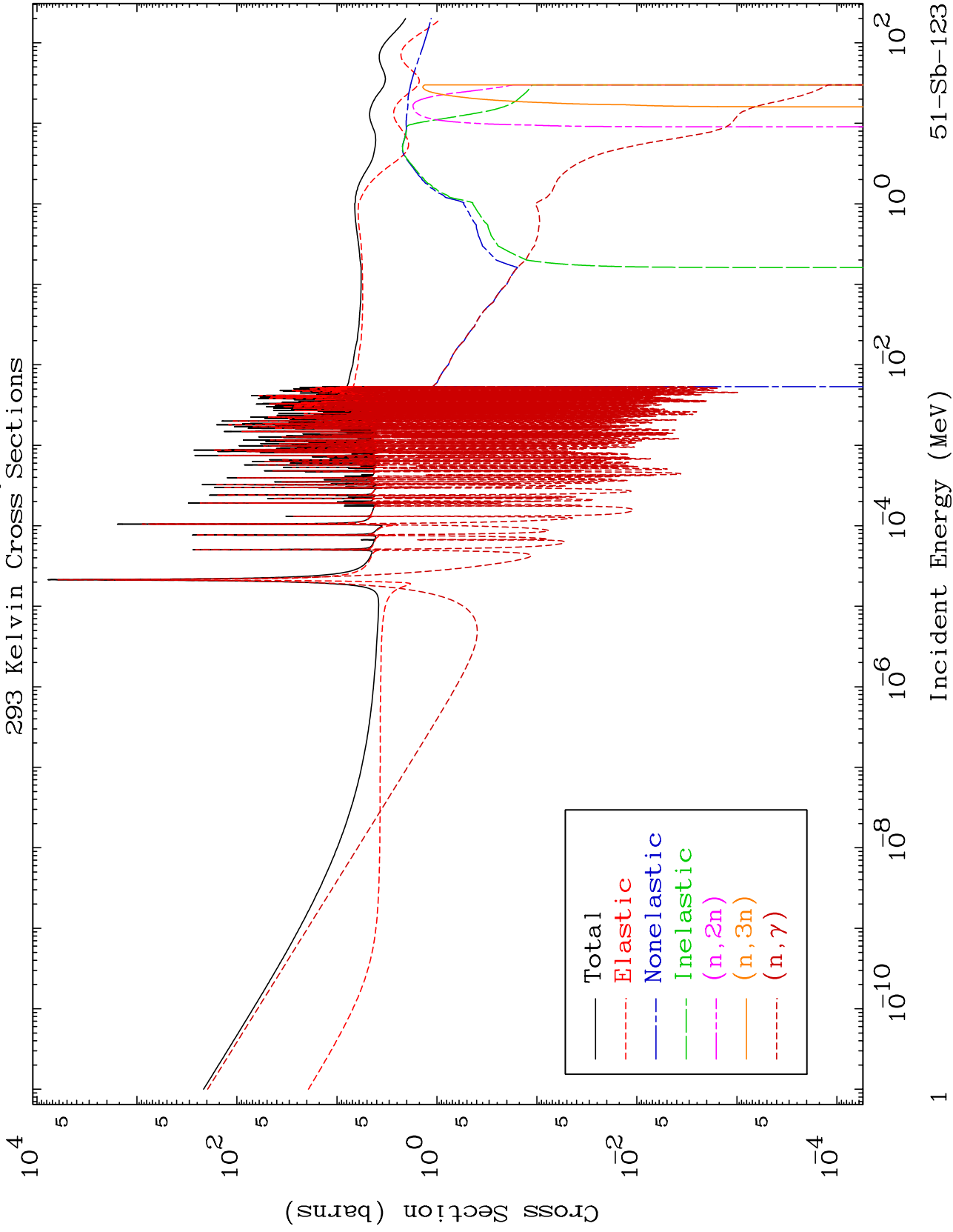
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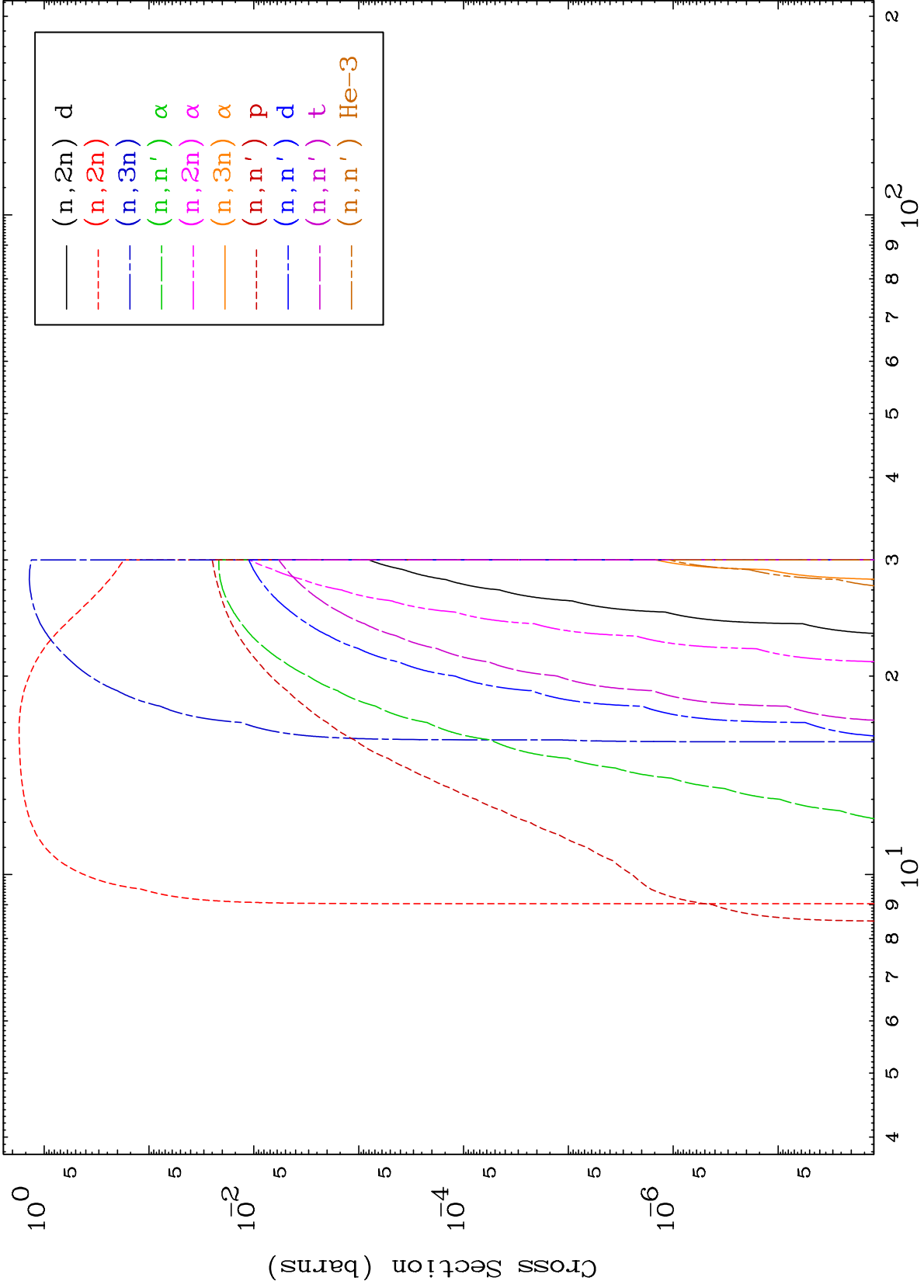
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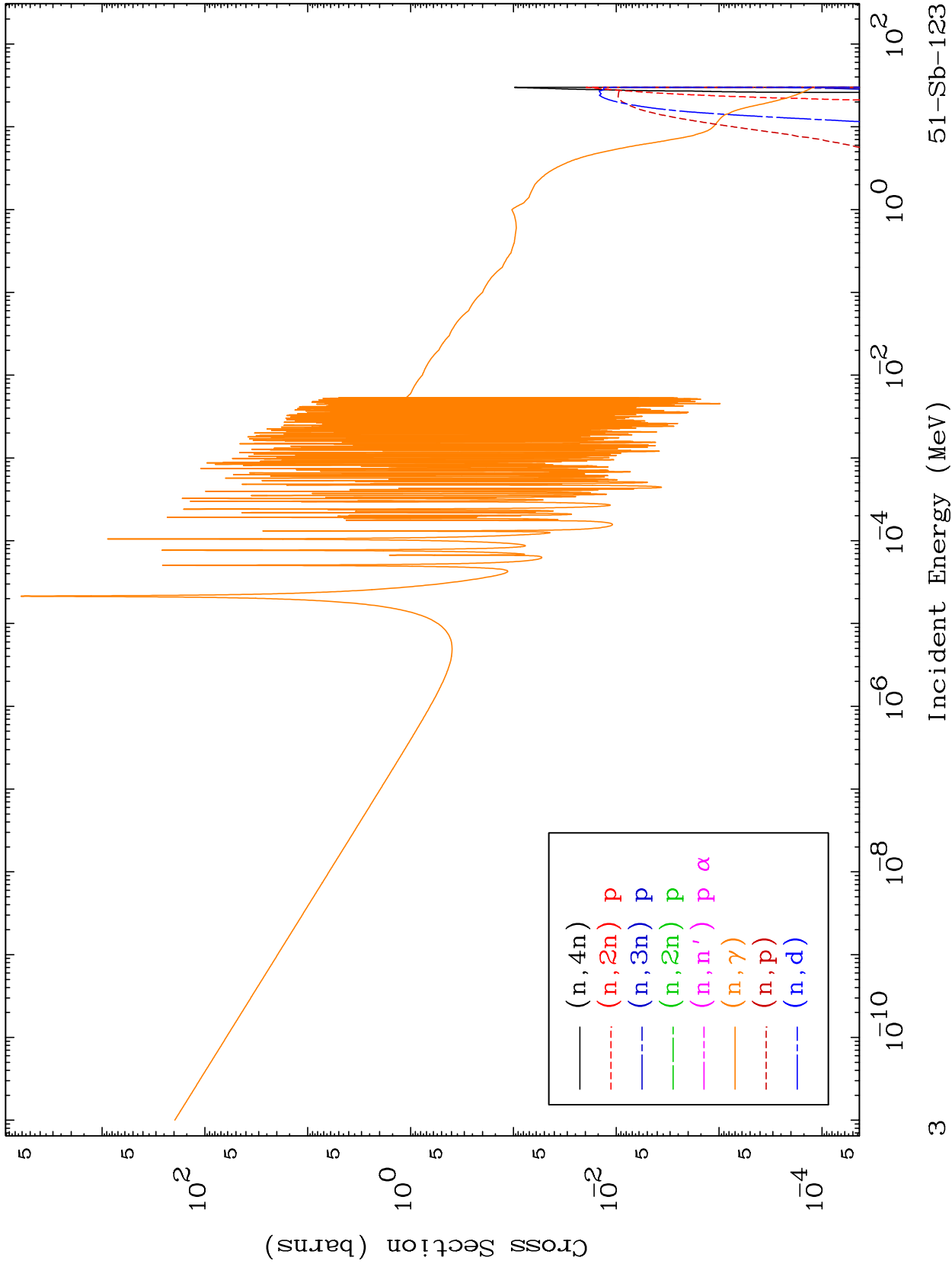
MAT 5131

Neutron Major  
293 Kelvin Cross Sections

51-Sb-123



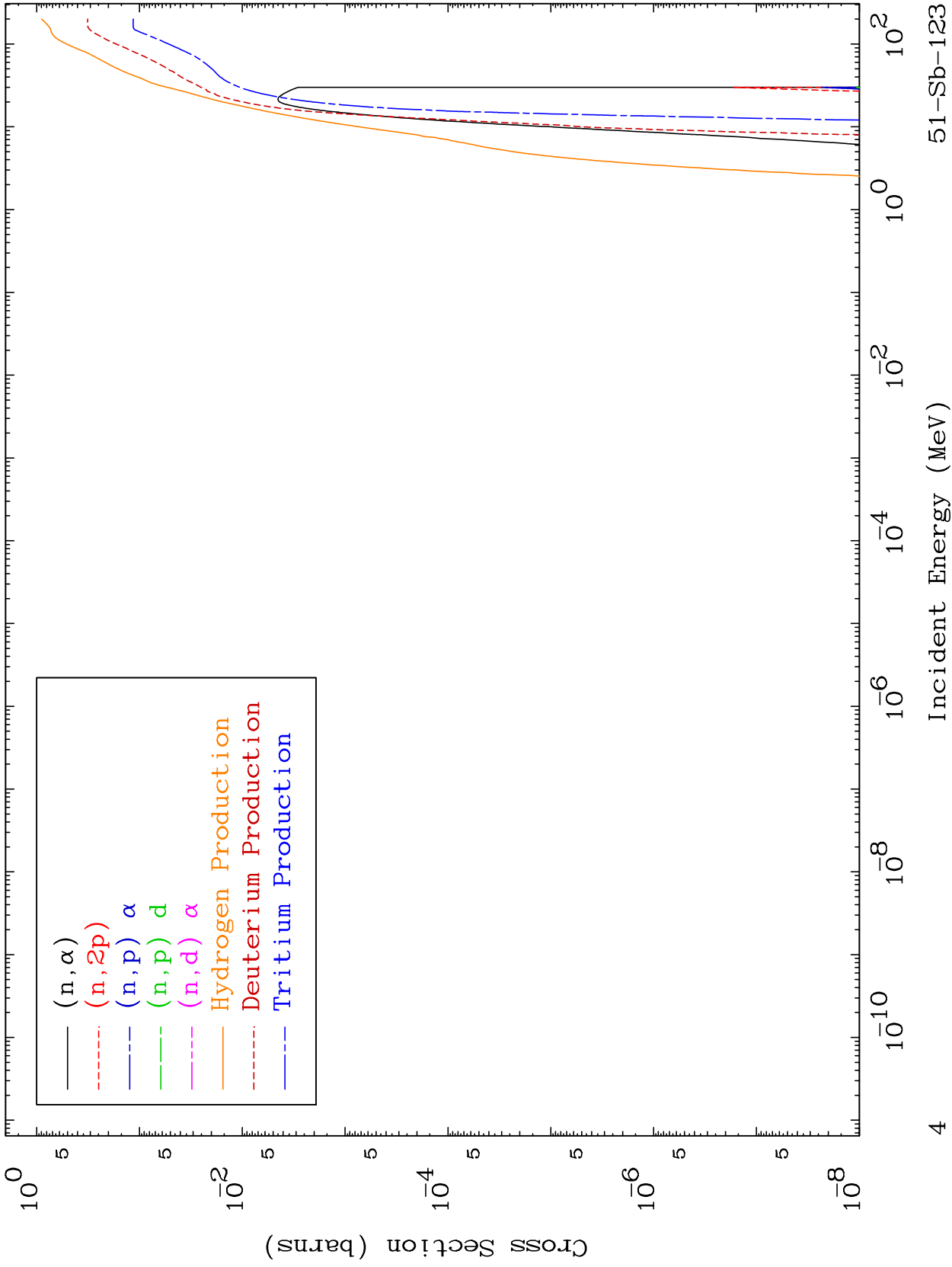


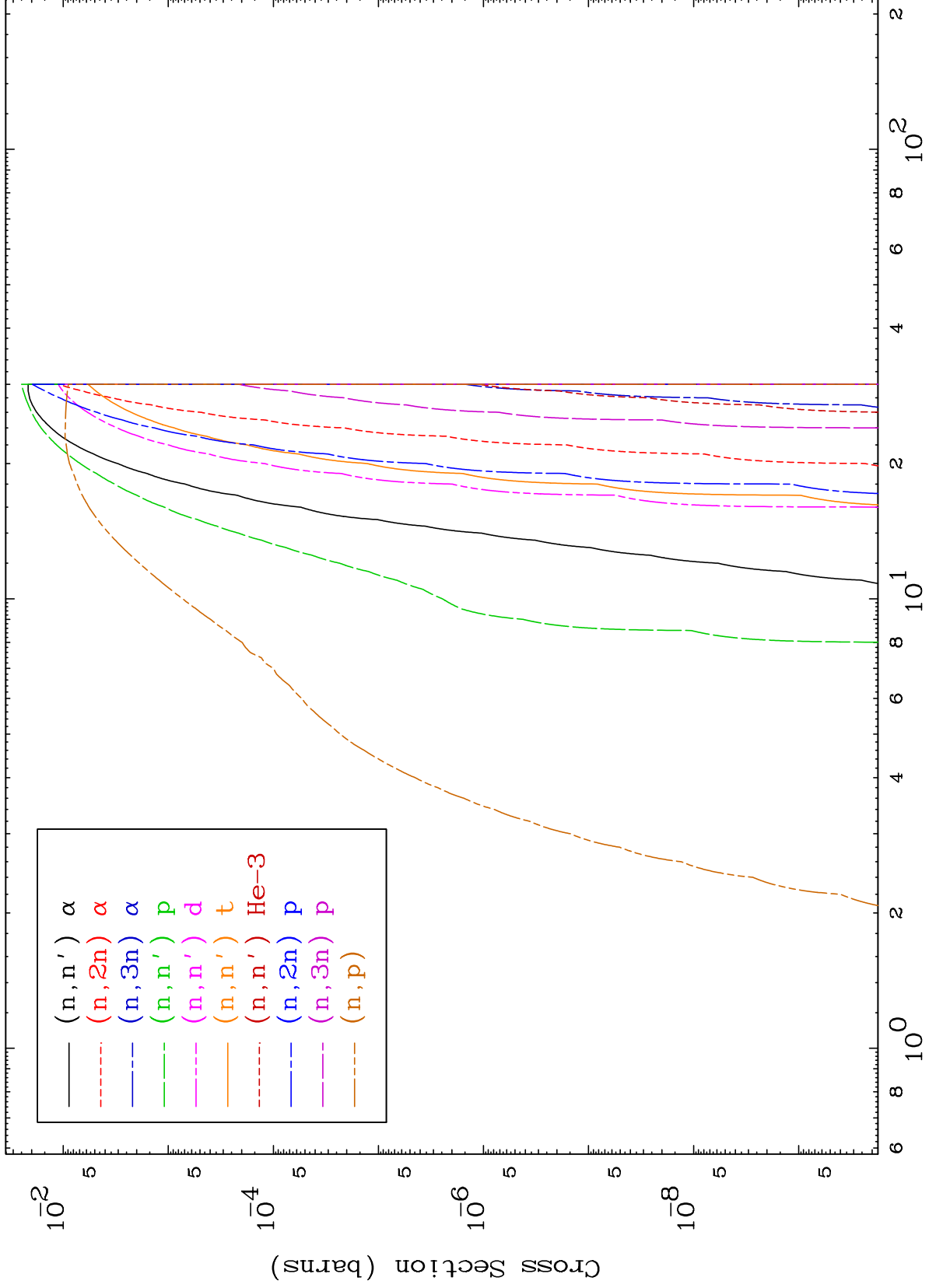


MAT 5131

Neutron Absorption  
293 Kelvin Cross Sections

51-Sb-123

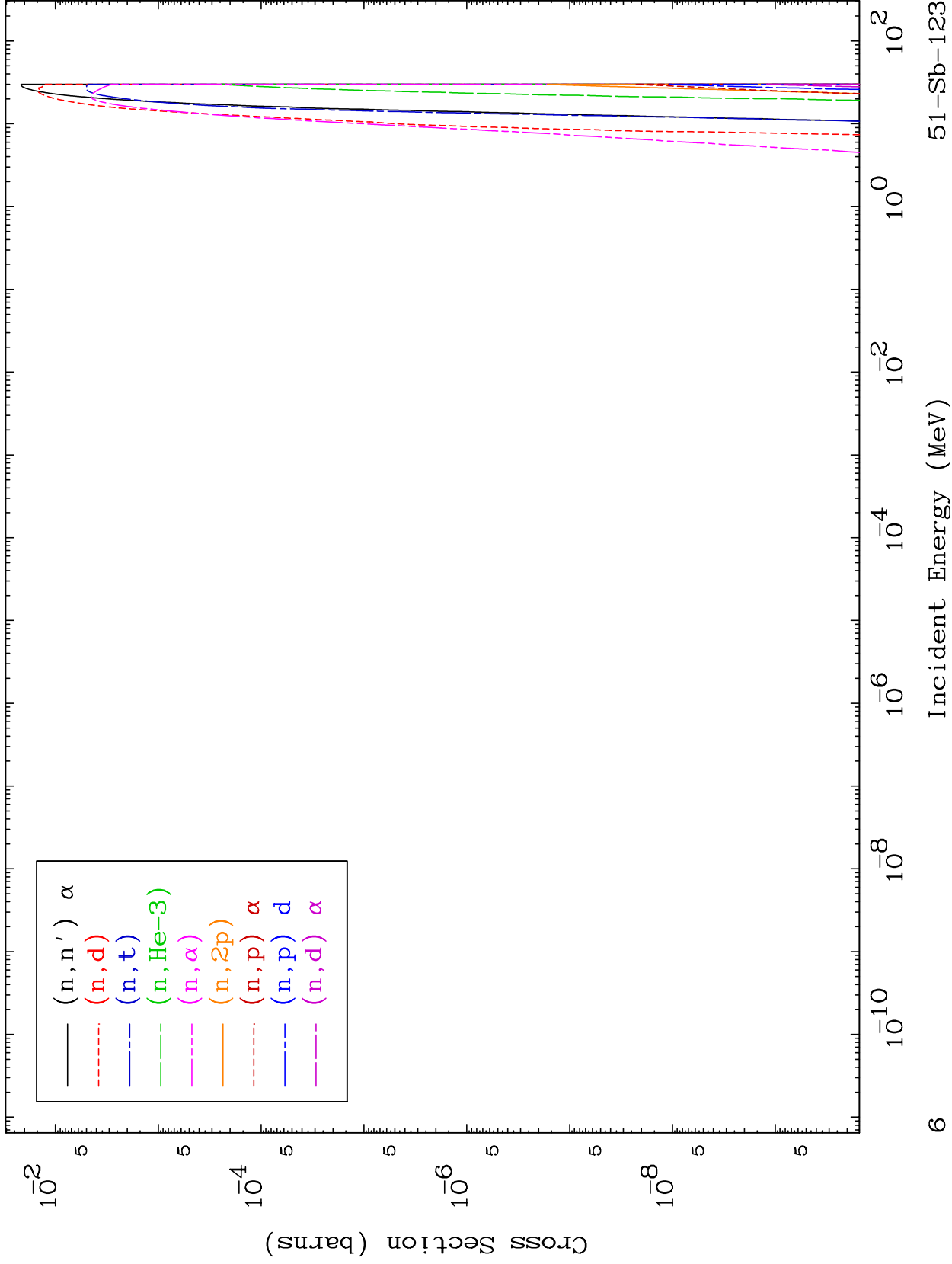




MAT 5131

Charged Particle  
293 Kelvin Cross Sections

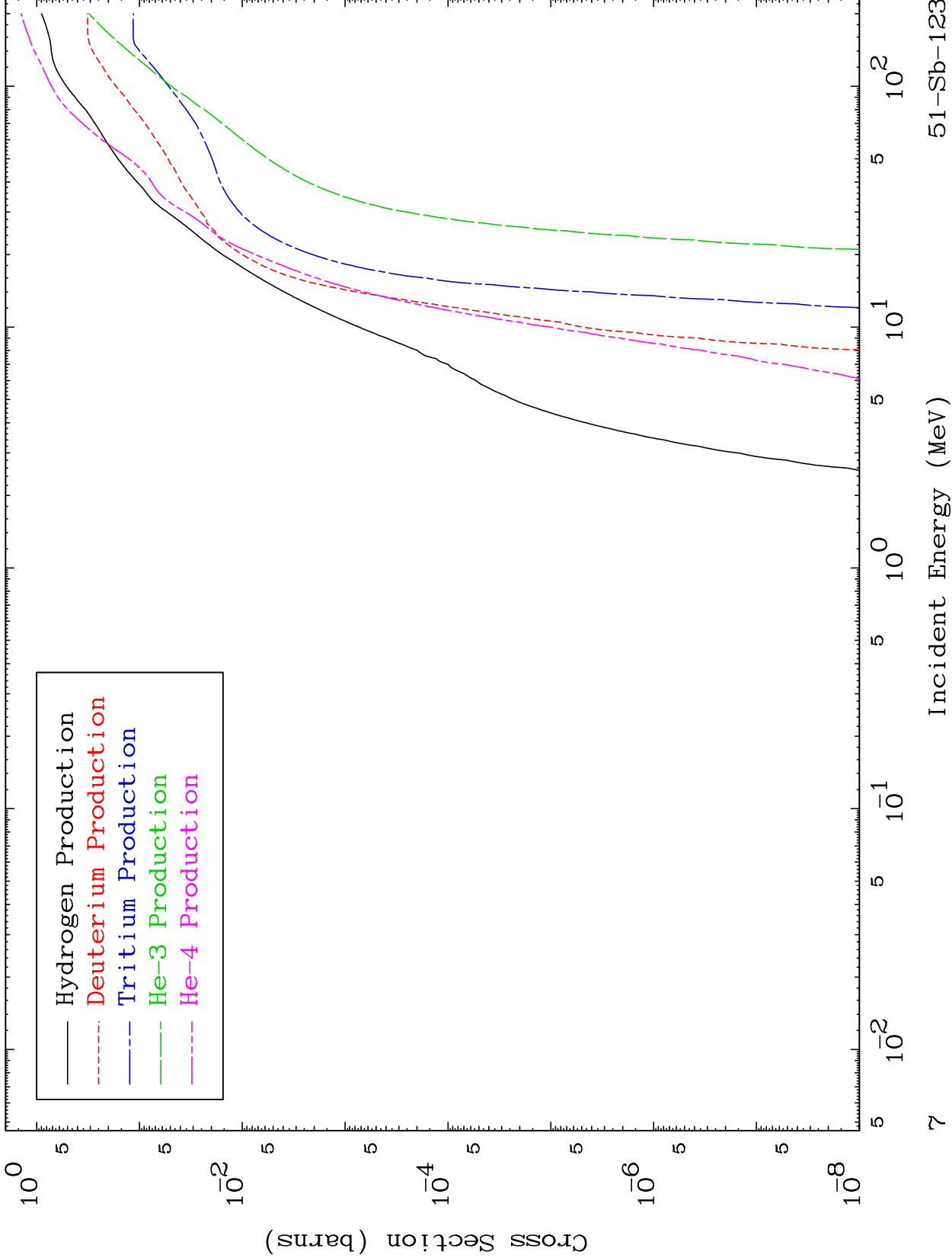
51-Sb-123



MAT 5131

Particle Production  
293 Kelvin Cross Sections

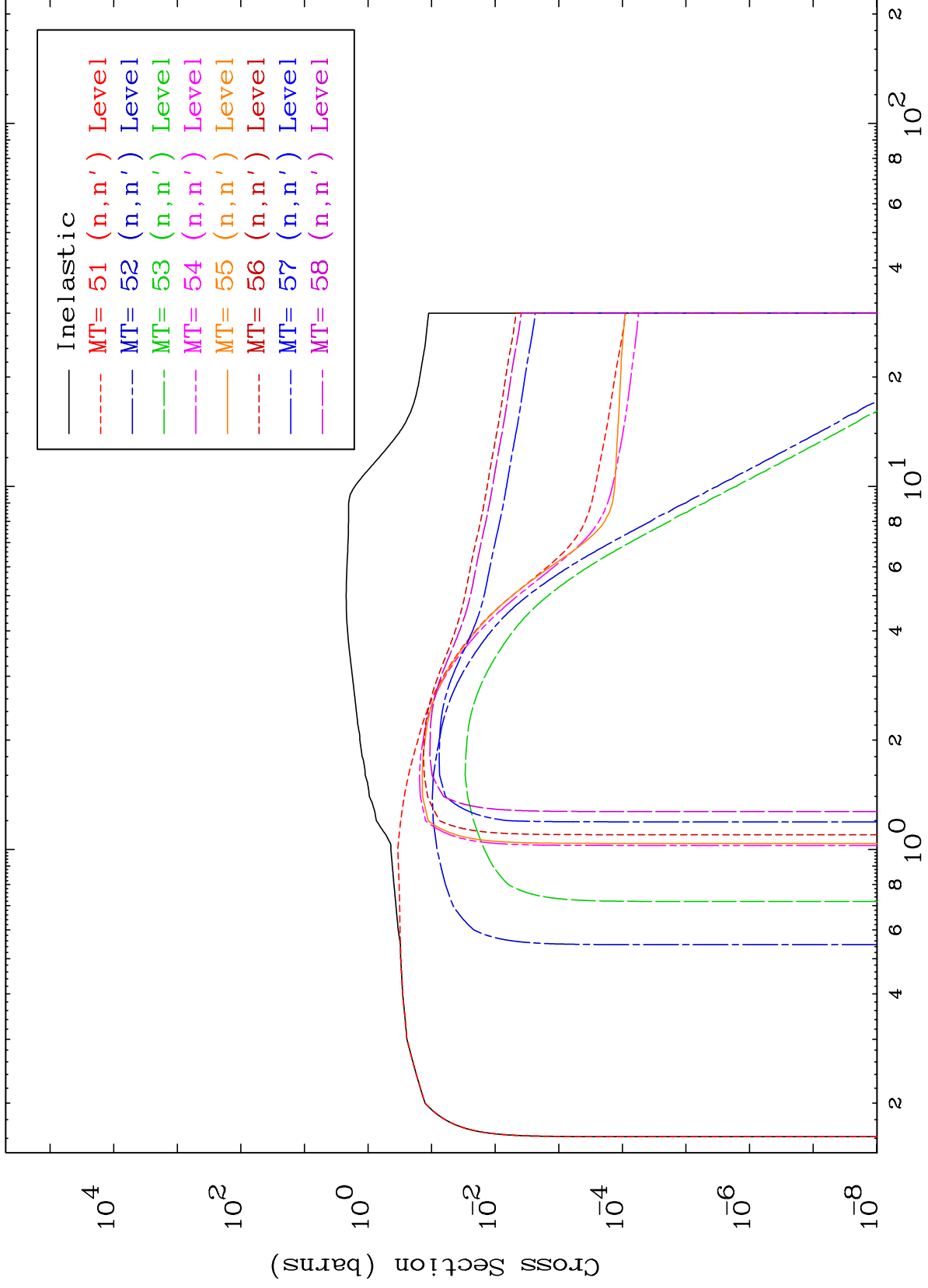
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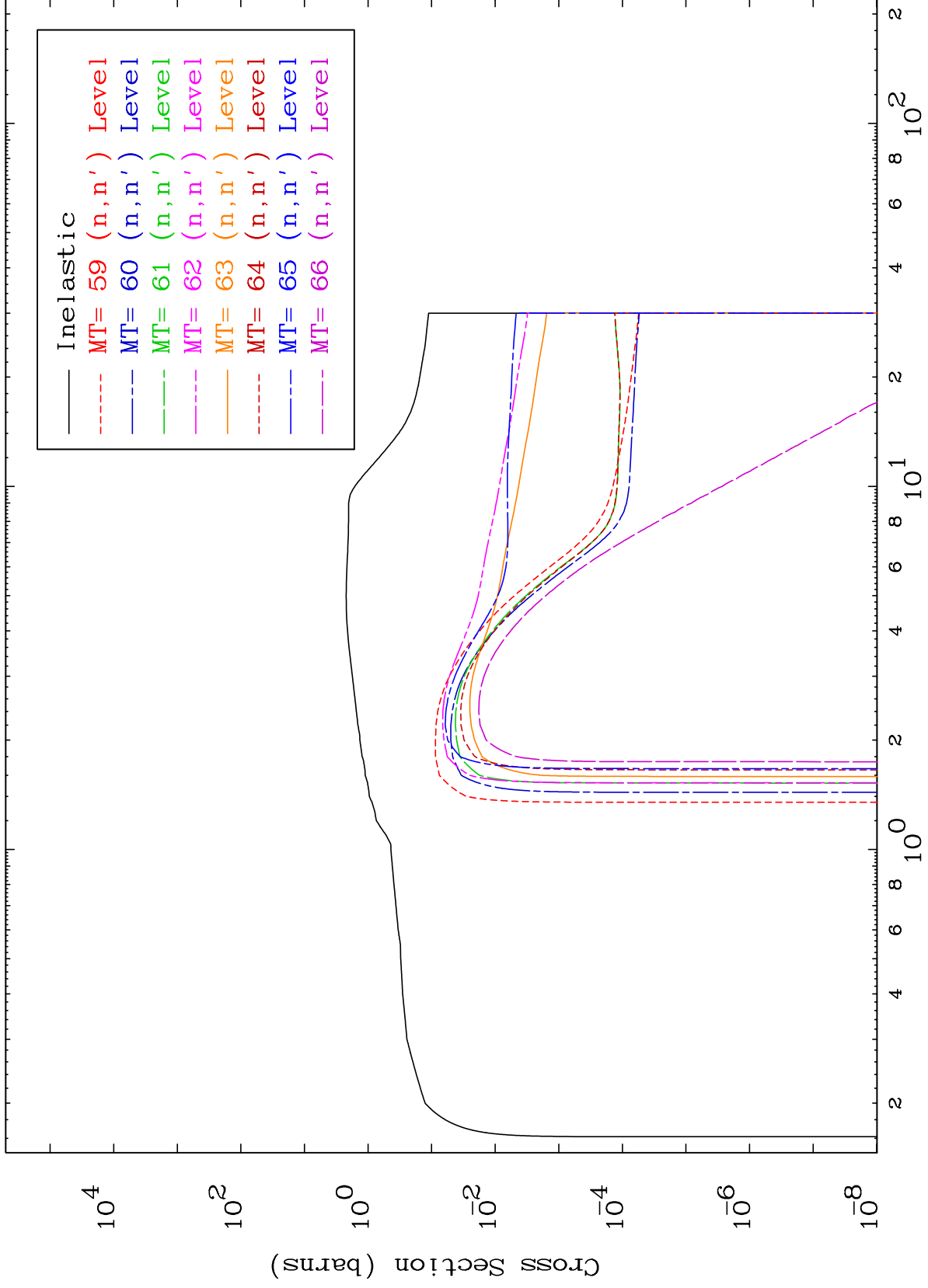
51-Sb-123

Incident Energy (MeV)

7



293 Kelvin Cross Sections

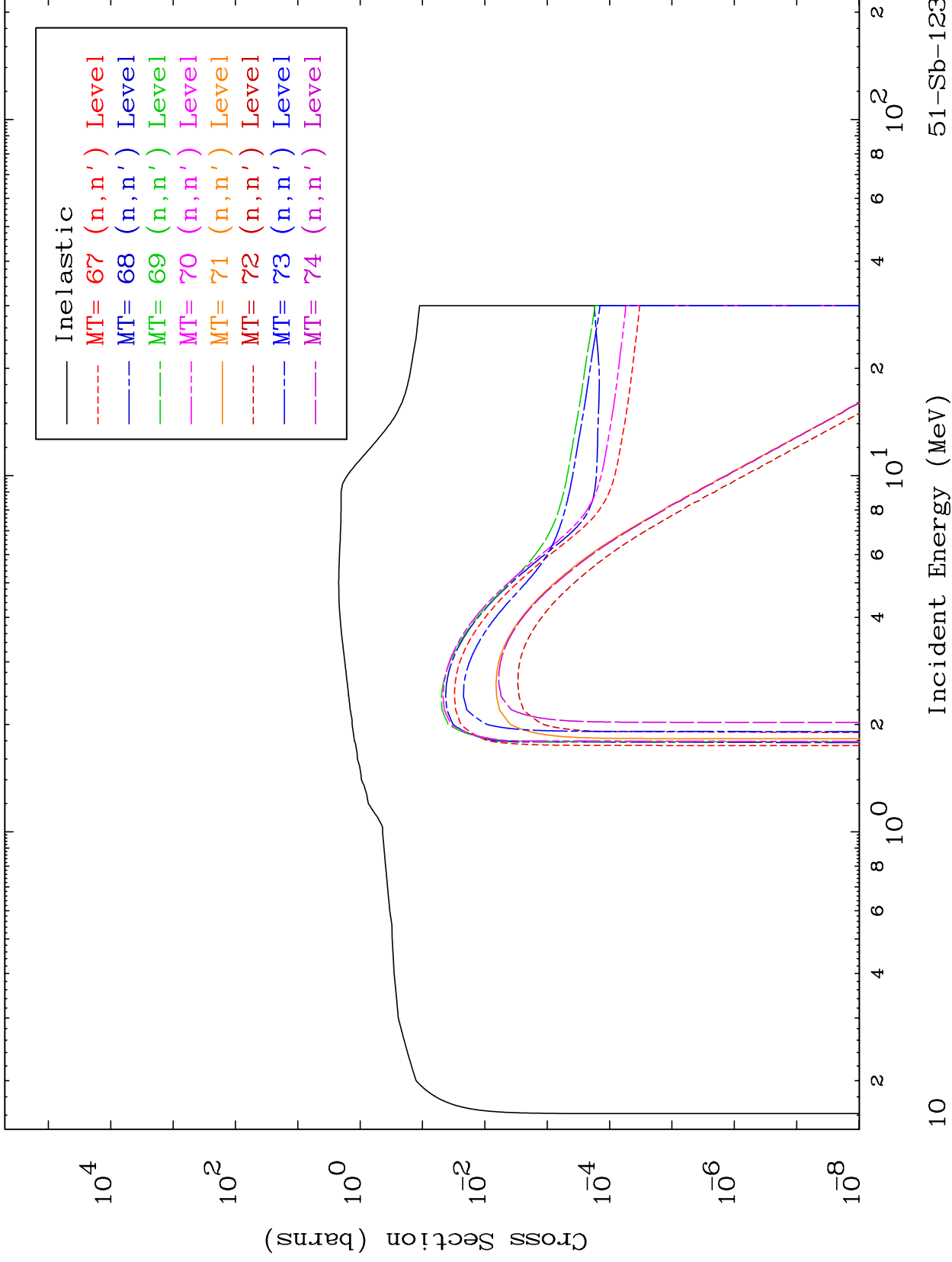


MAT 5131

(n,n') Levels

51-Sb-123

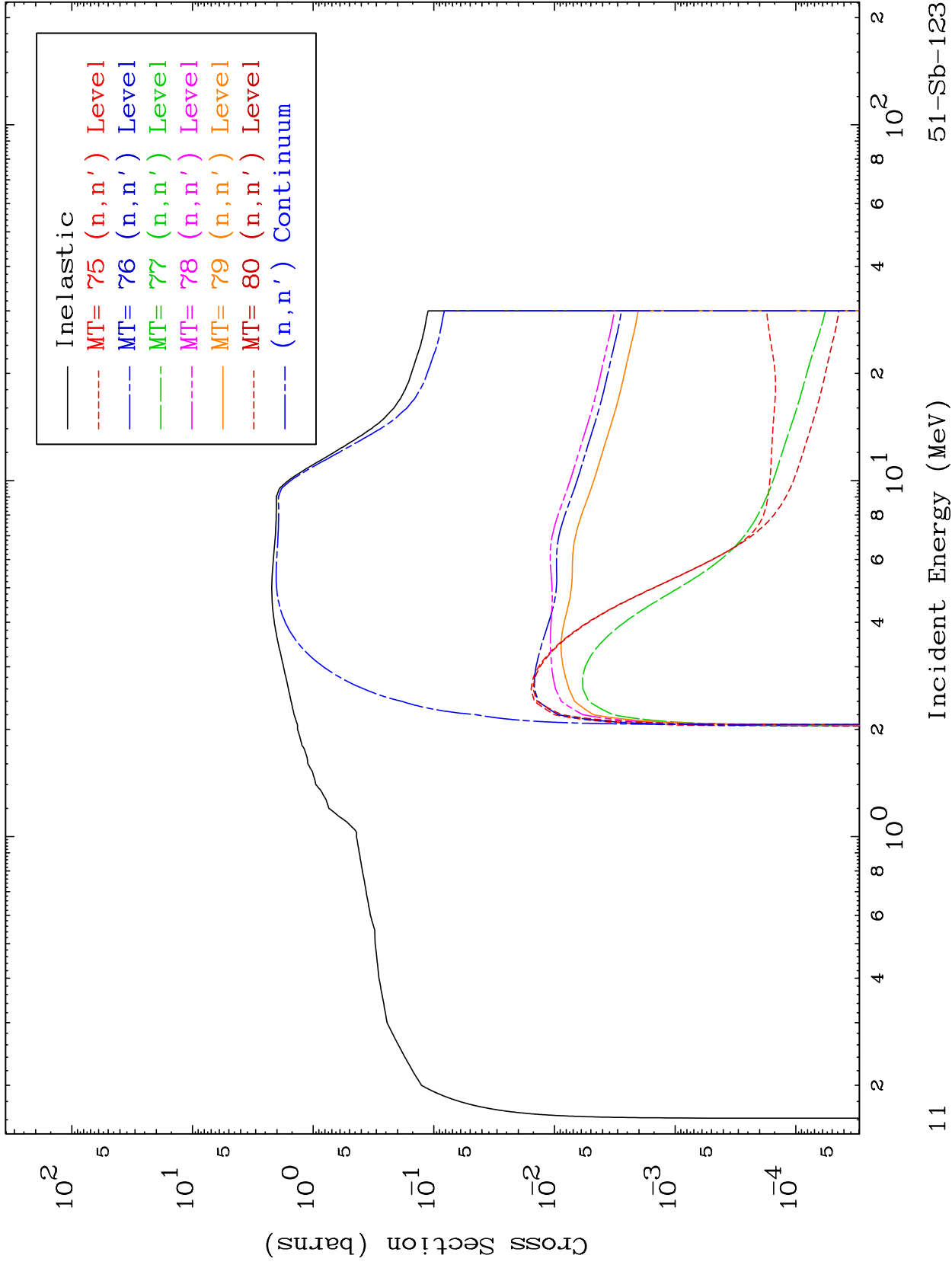
293 Kelvin Cross Sections



10

Incident Energy (MeV)

51-Sb-123

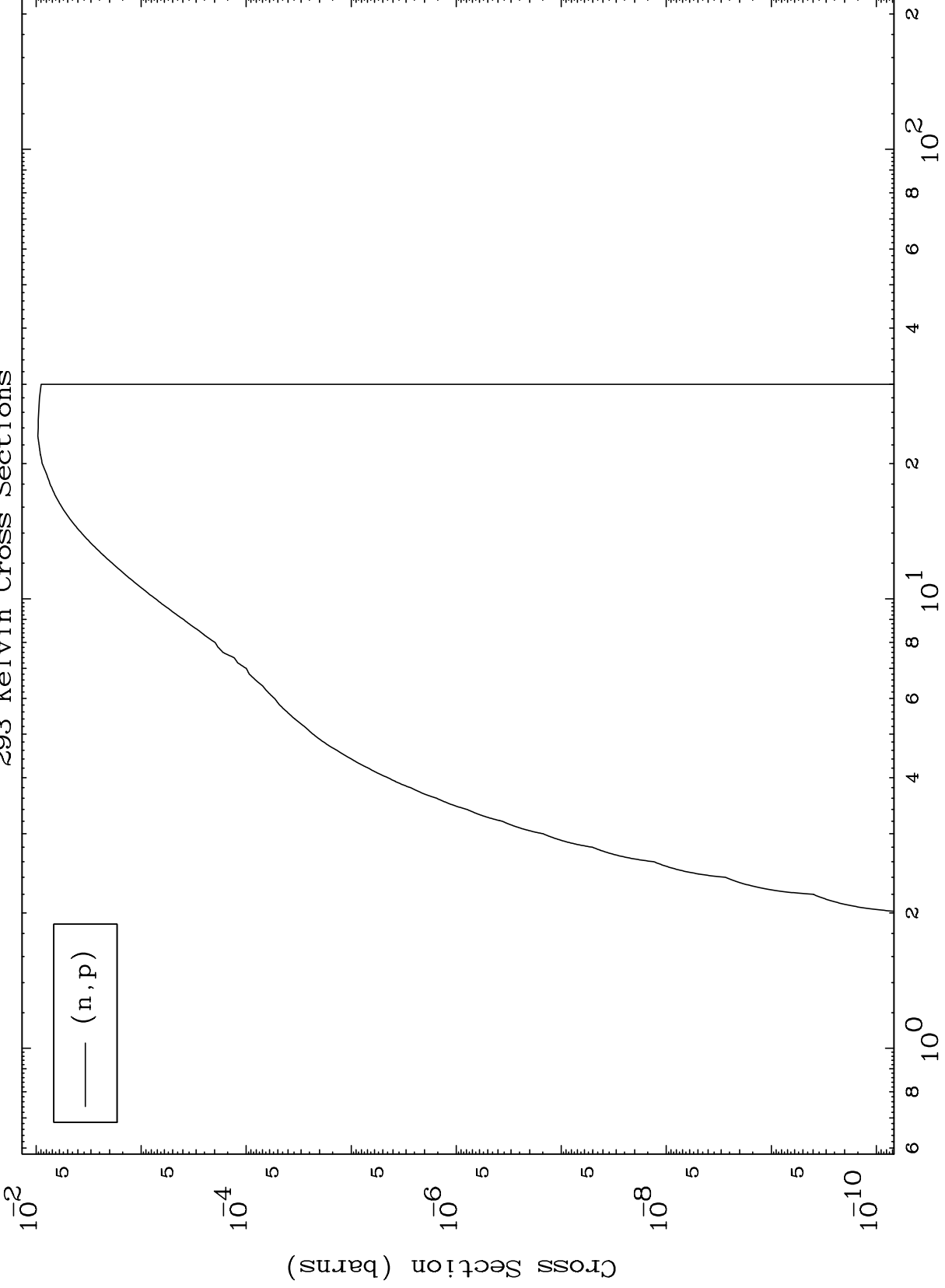


MAT 5131

(n,p) Levels

51-Sb-123

293 Kelvin Cross Sections



12

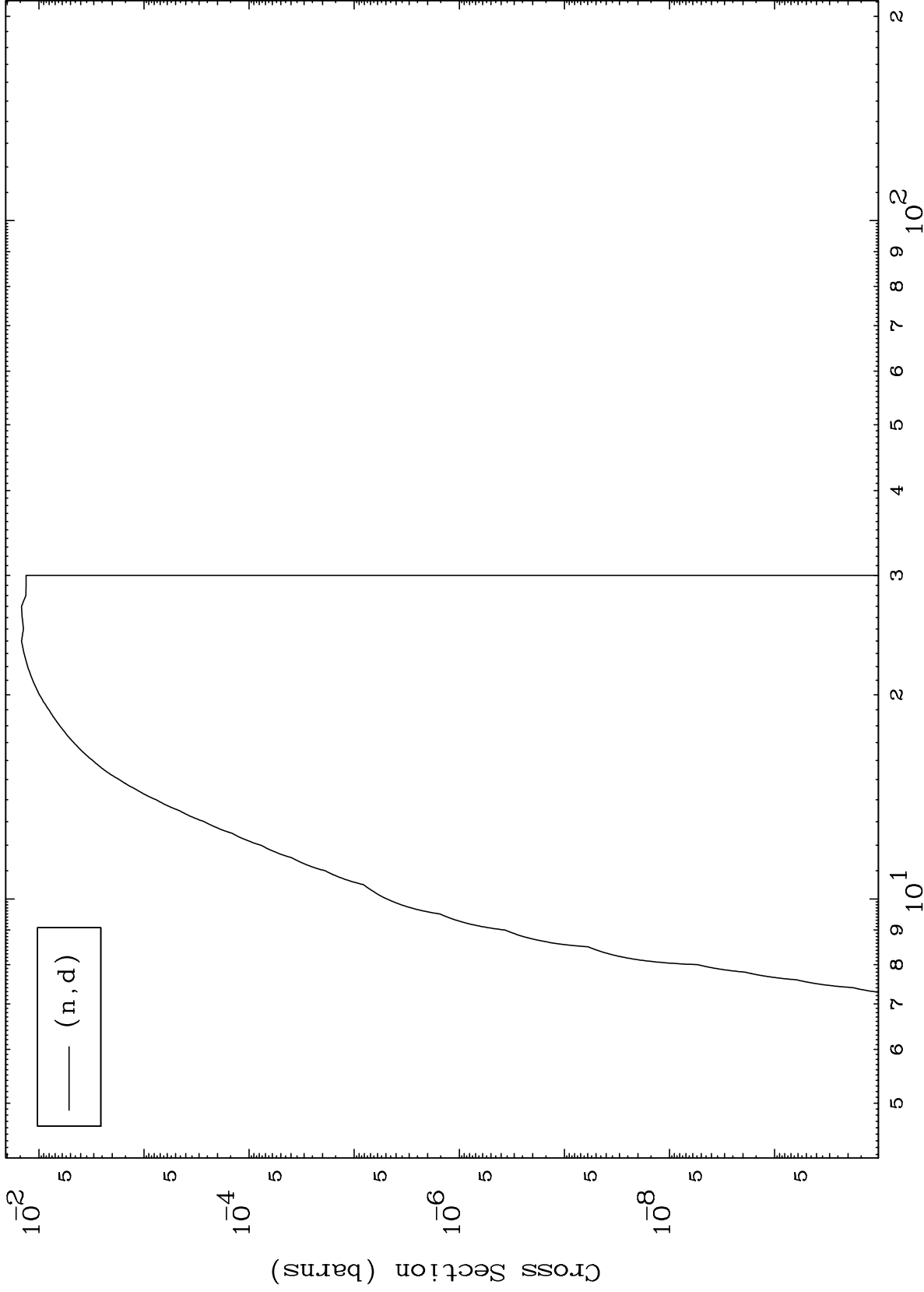
Incident Energy (MeV)

51-Sb-123

MAT 5131

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-123



13

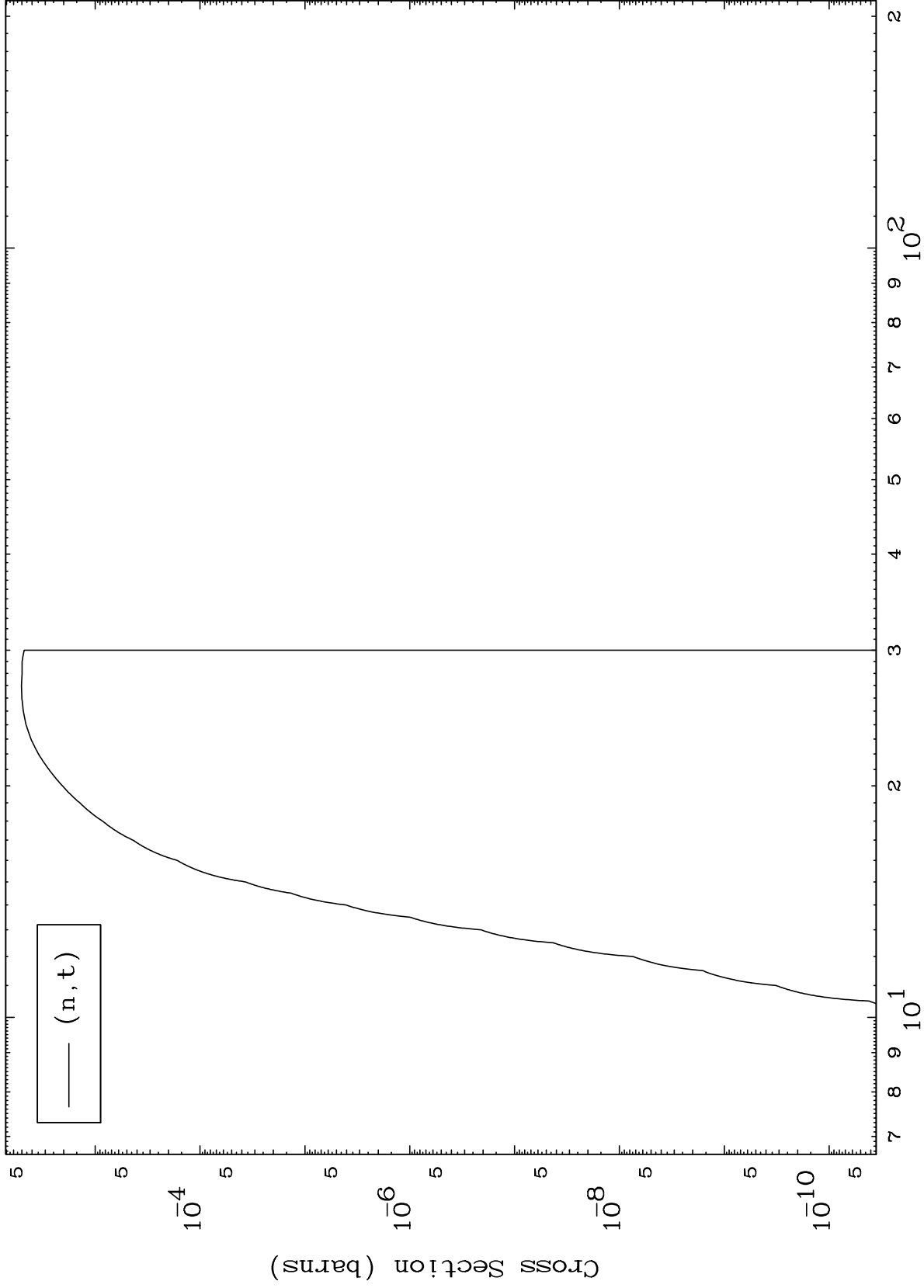
Incident Energy (MeV)

51-Sb-123

MAT 5131

(n,t) Levels  
293 Kelvin Cross Sections

51-Sb-123



14

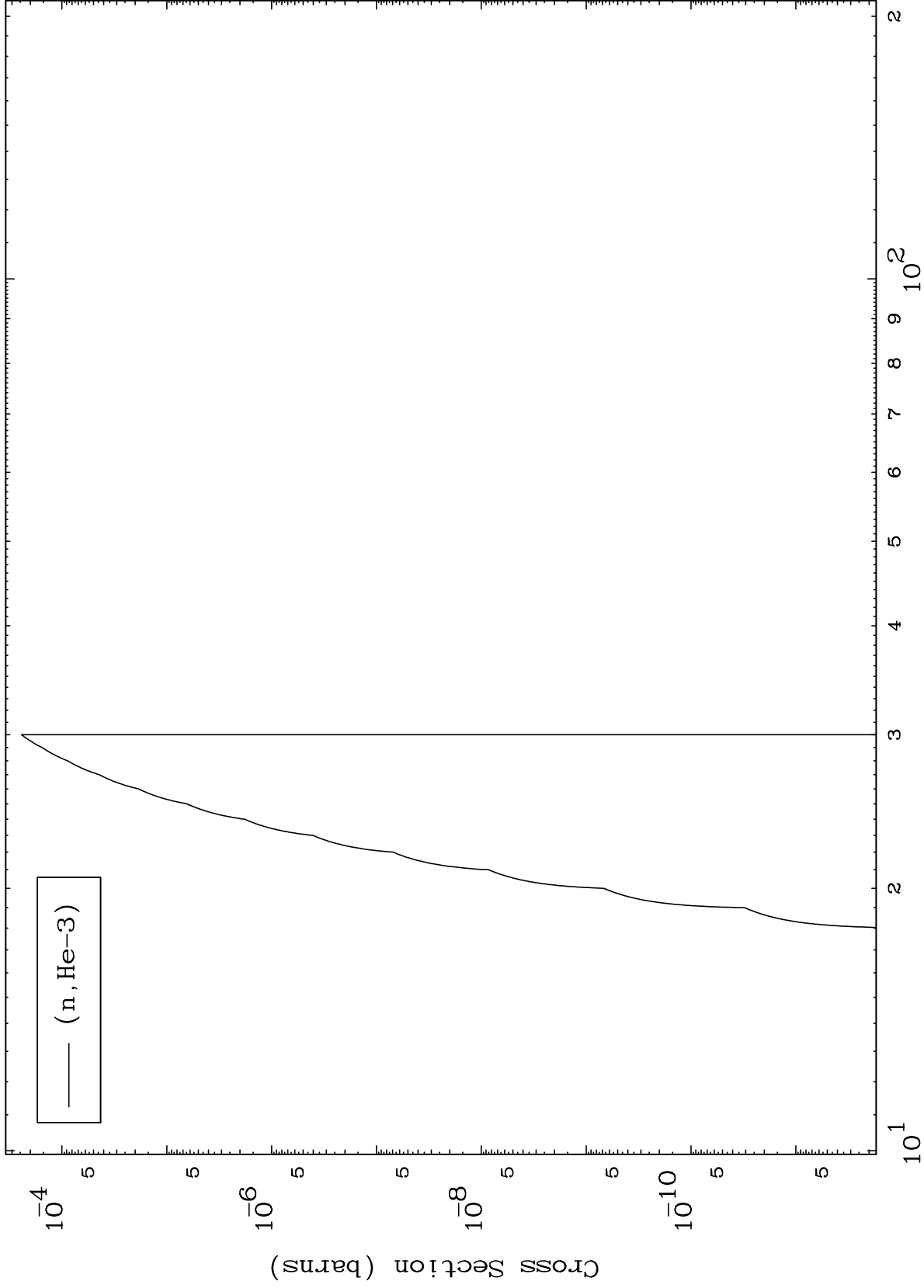
Incident Energy (MeV)

51-Sb-123

MAT 5131

(n,He3) Levels  
293 Kelvin Cross Sections

51-Sb-123



15

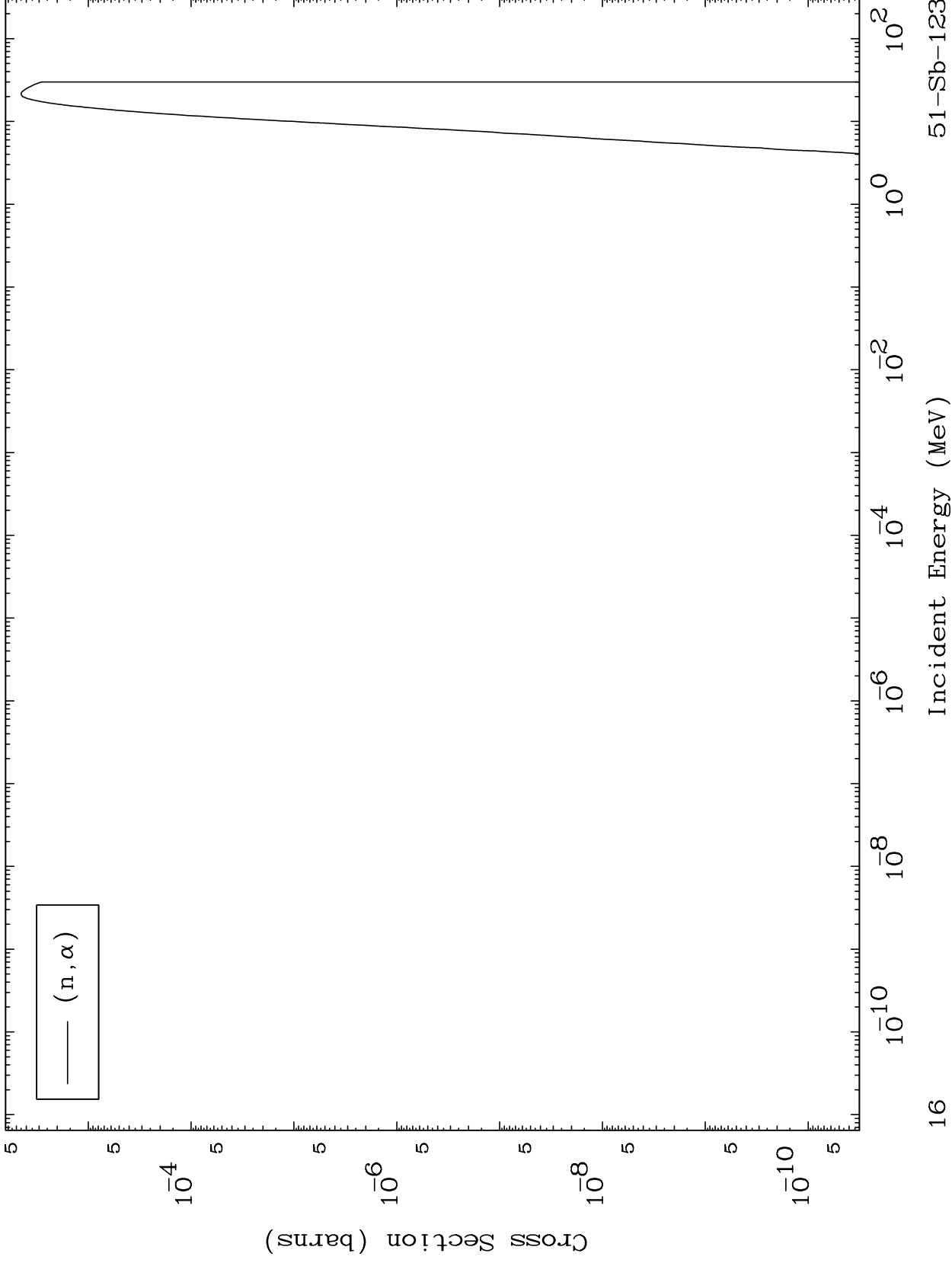
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

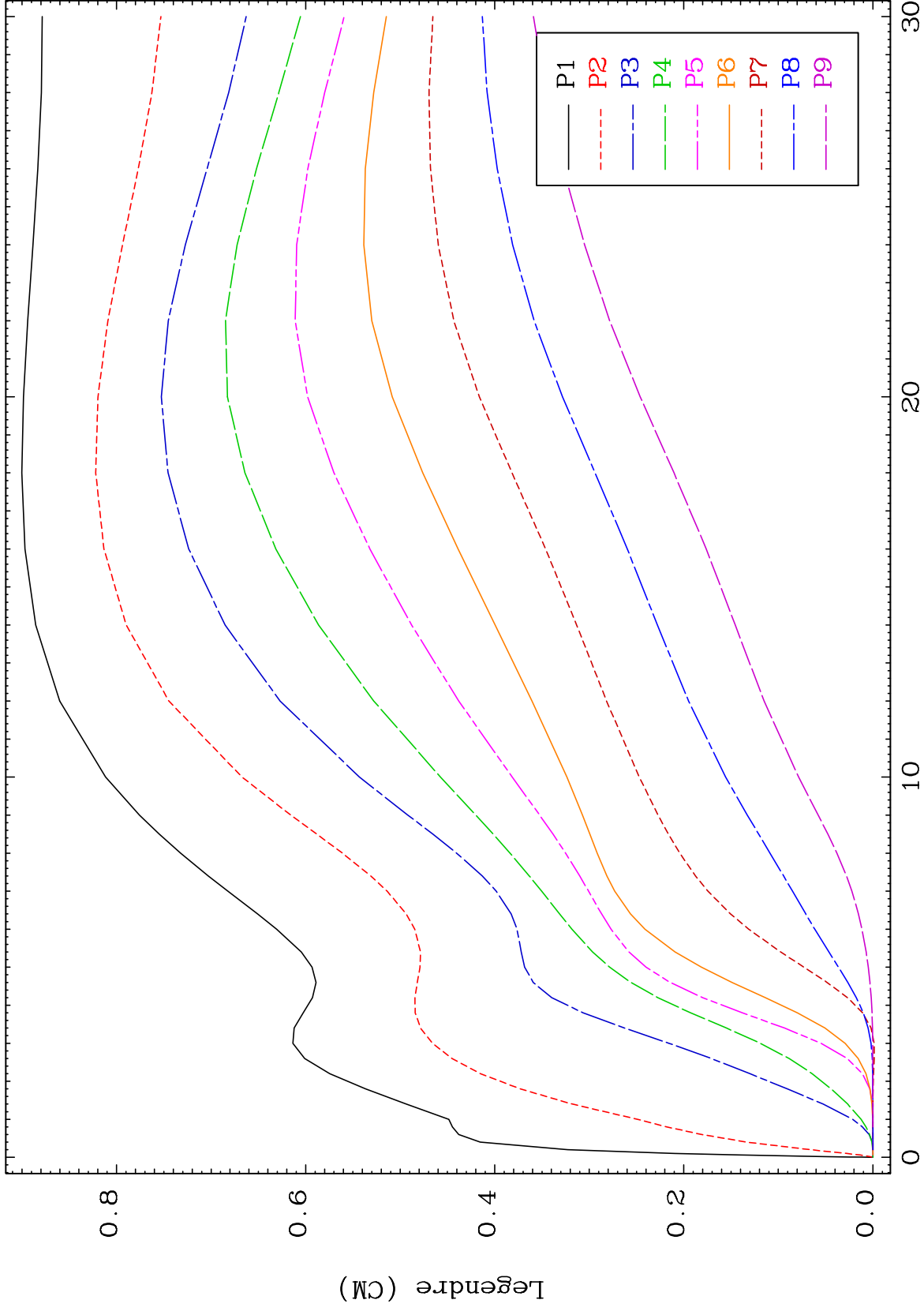
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MAT 5131

Elastic Legendre Coefficients

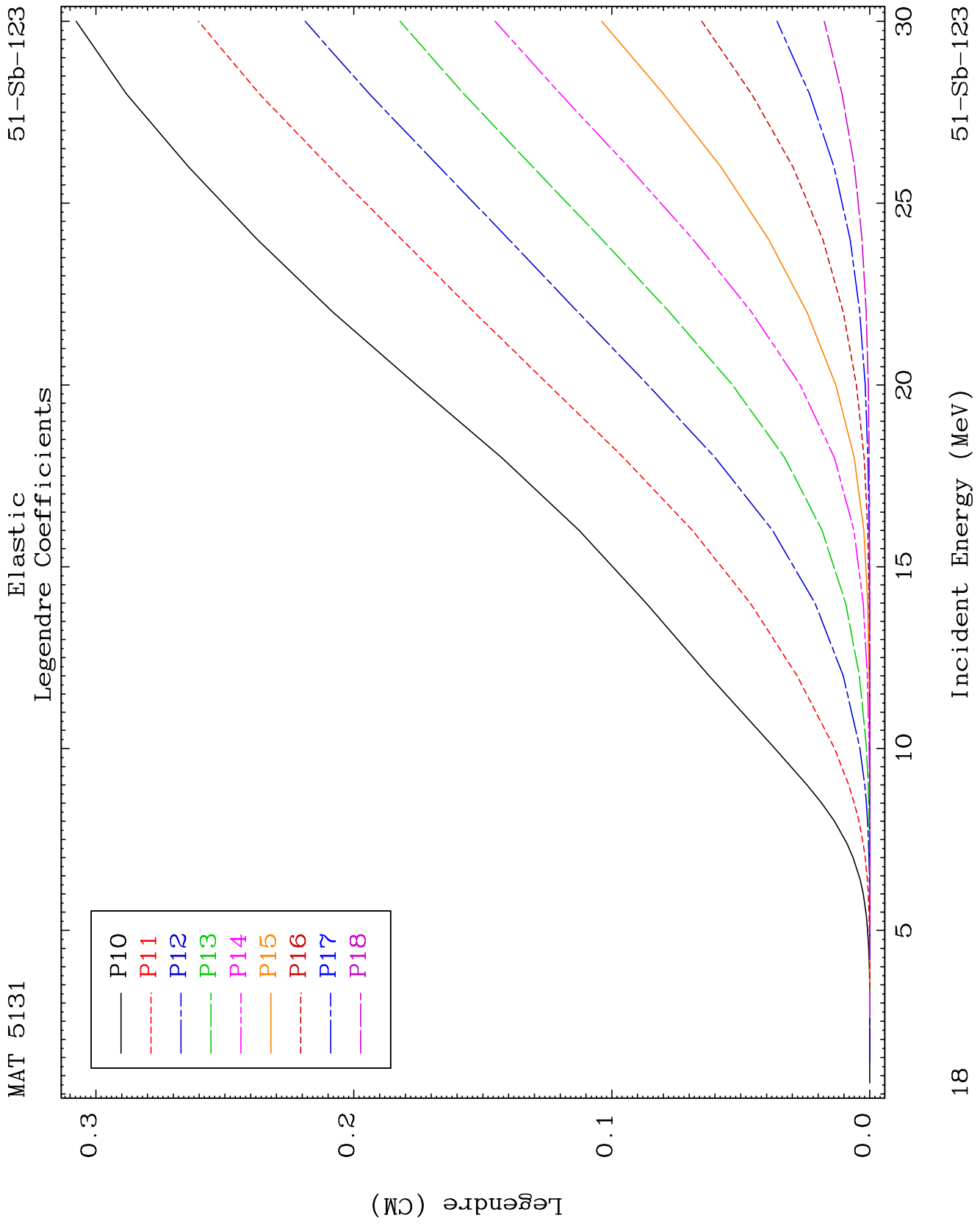
51-Sb-123



17

Incident Energy (MeV)

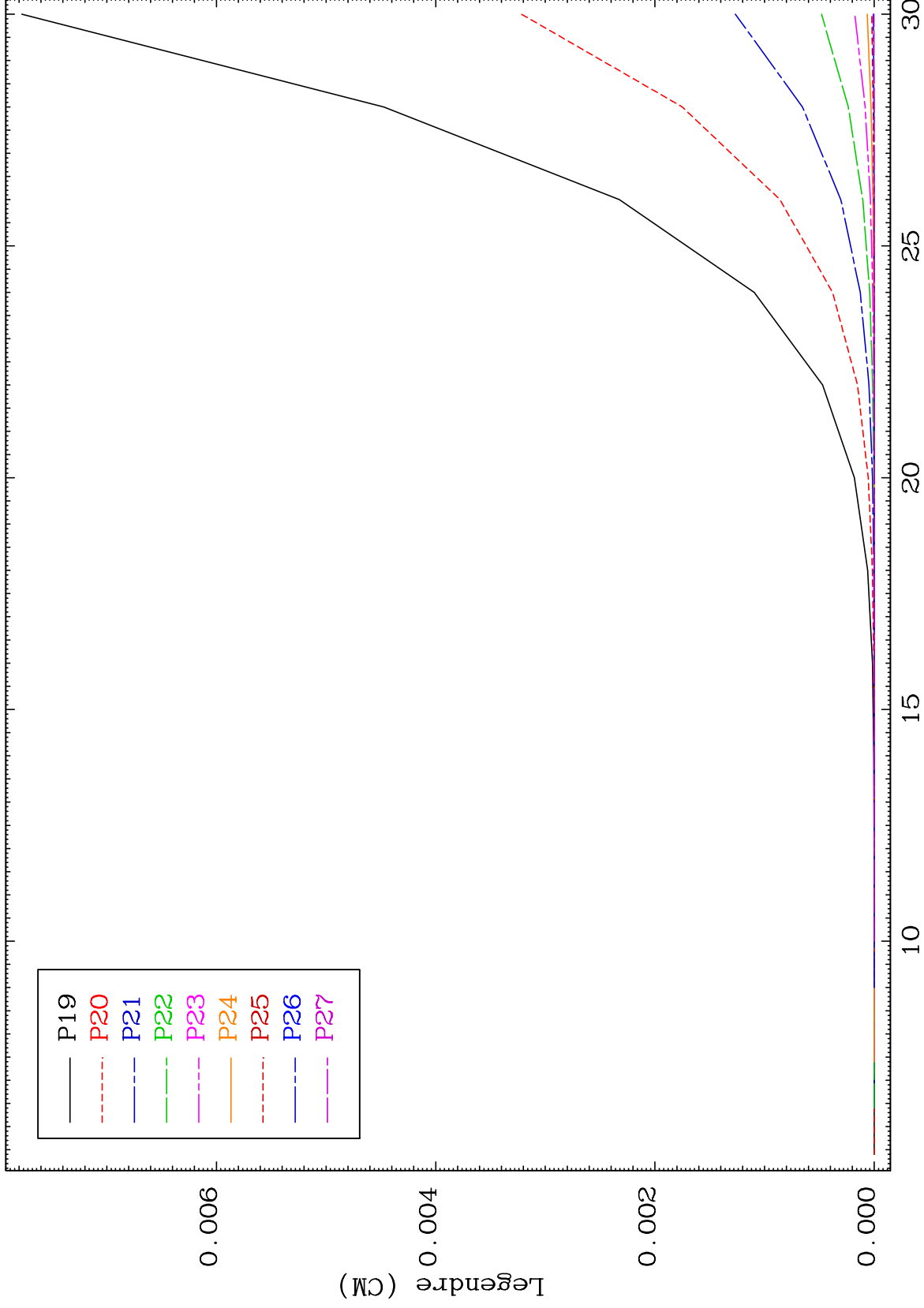
51-Sb-123



MAT 5131

Elastic  
Legendre Coefficients

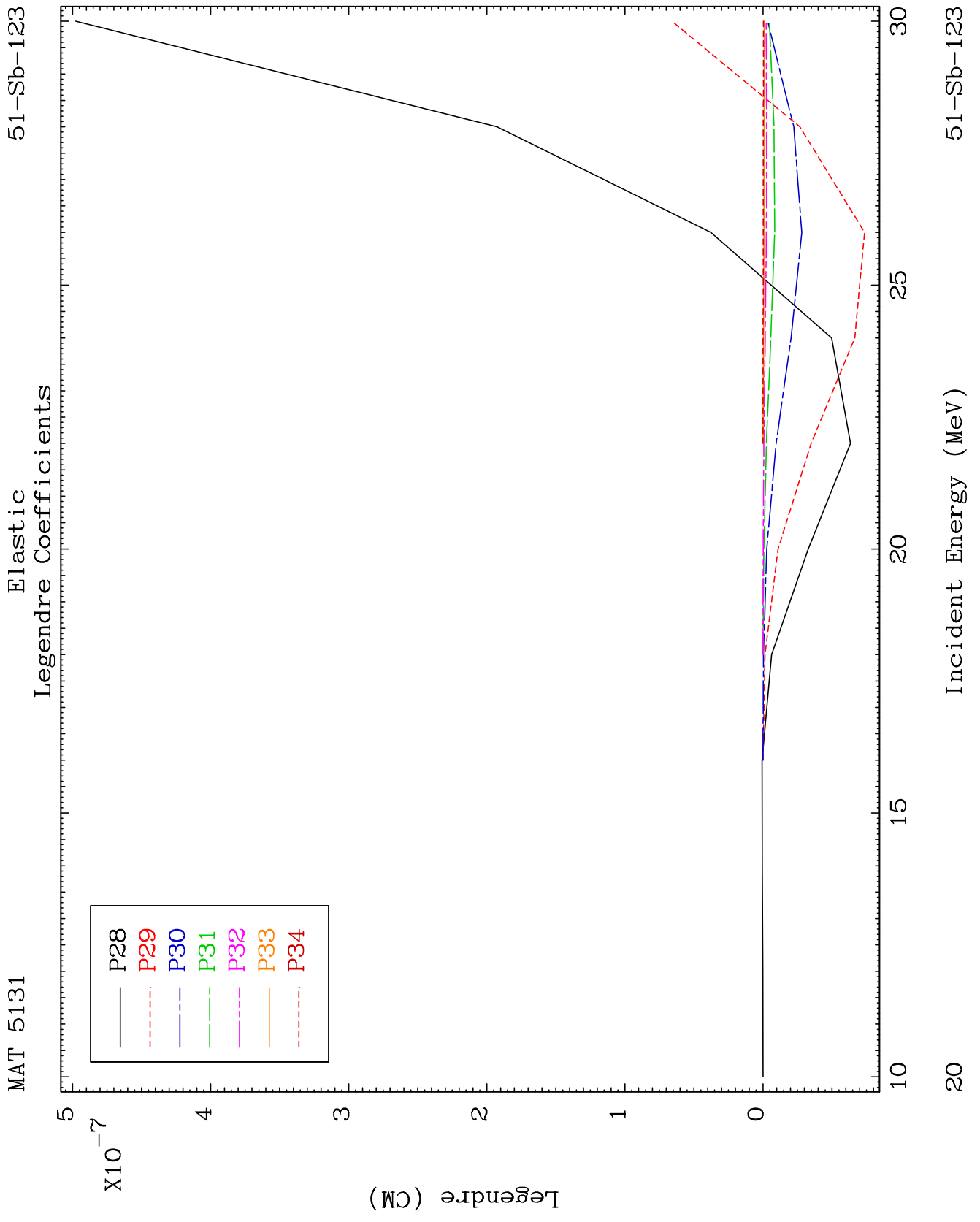
51-Sb-123



19

Incident Energy (MeV)

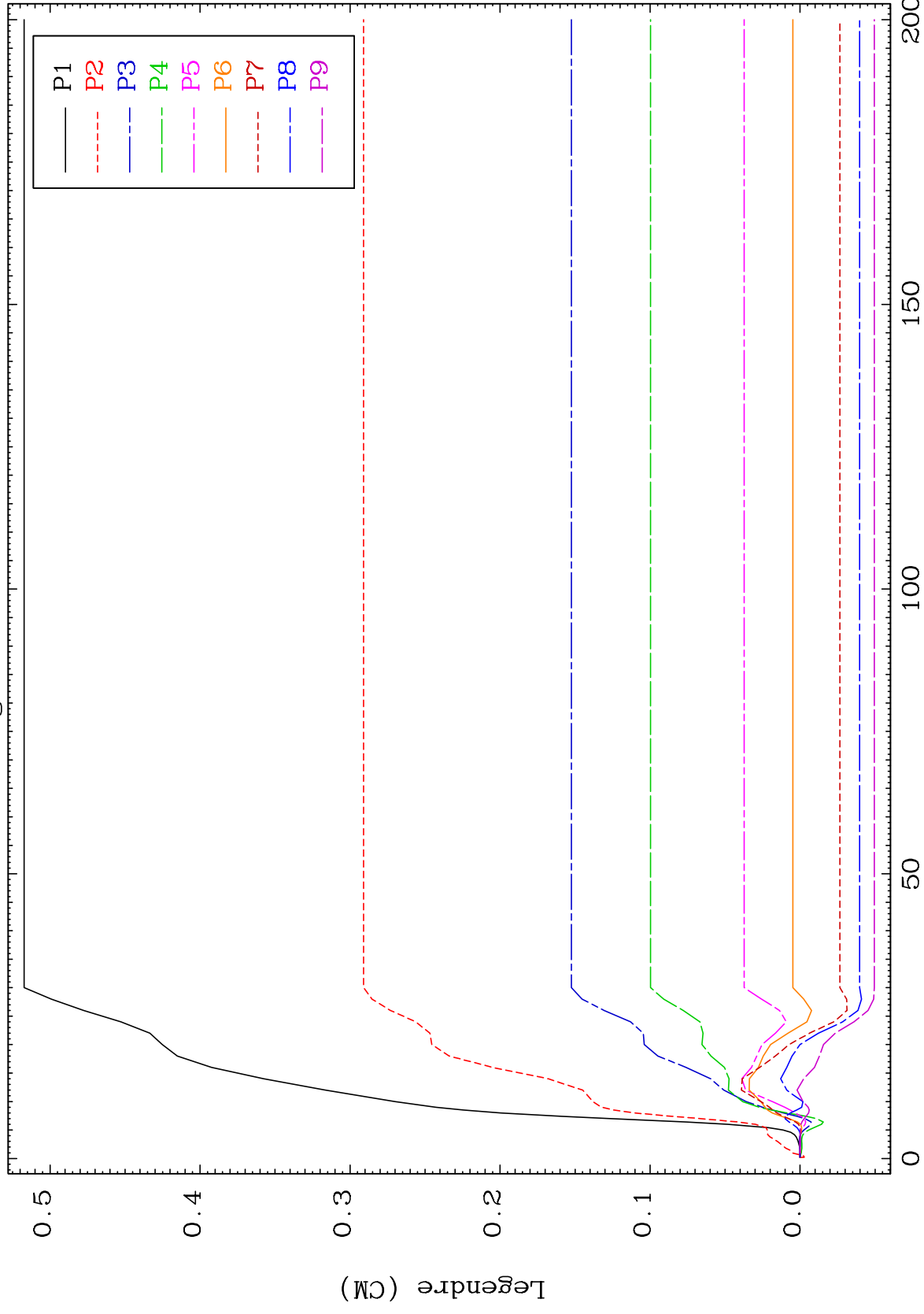
51-Sb-123



MAT 5131

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

51-Sb-123



21

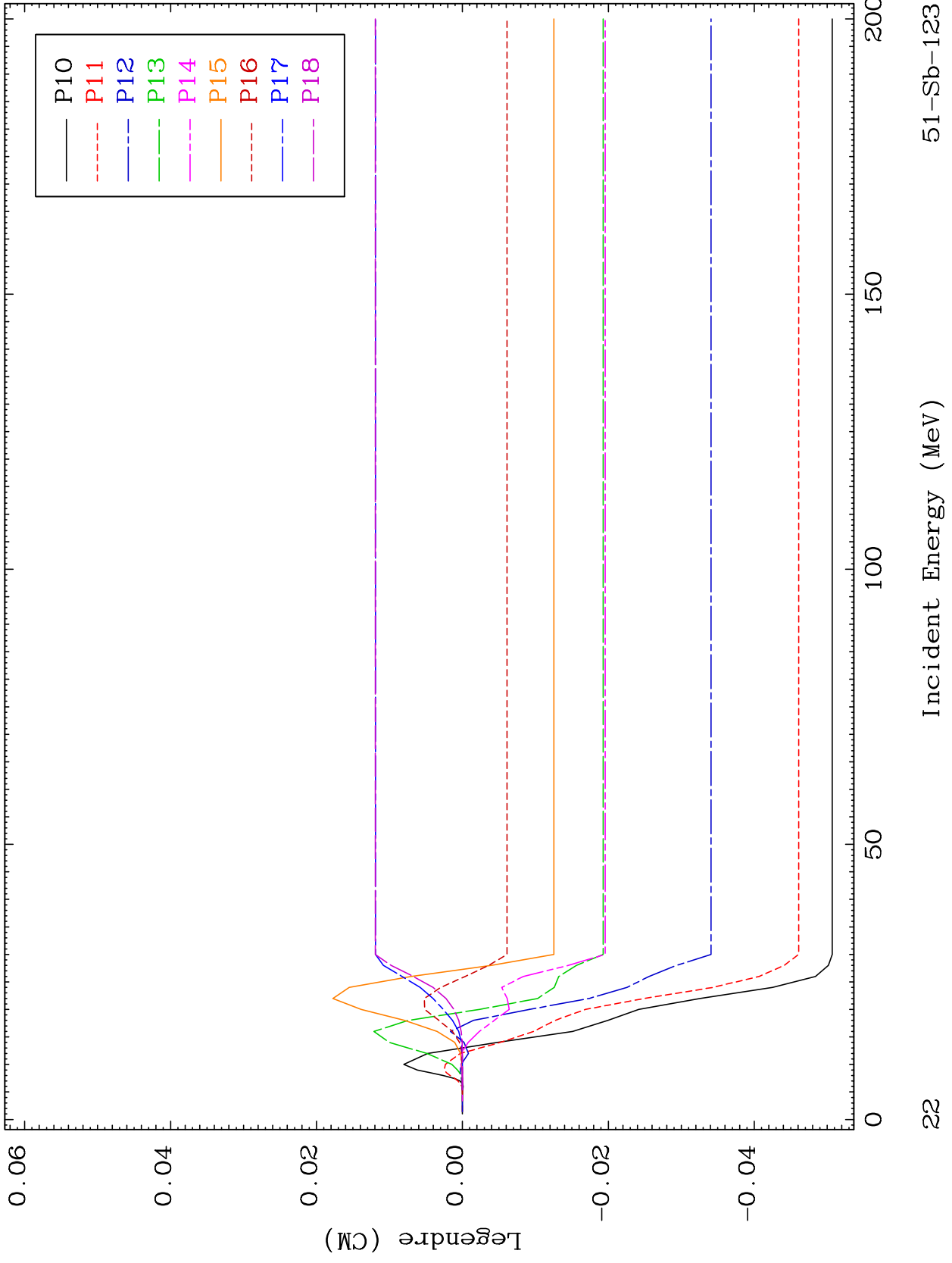
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



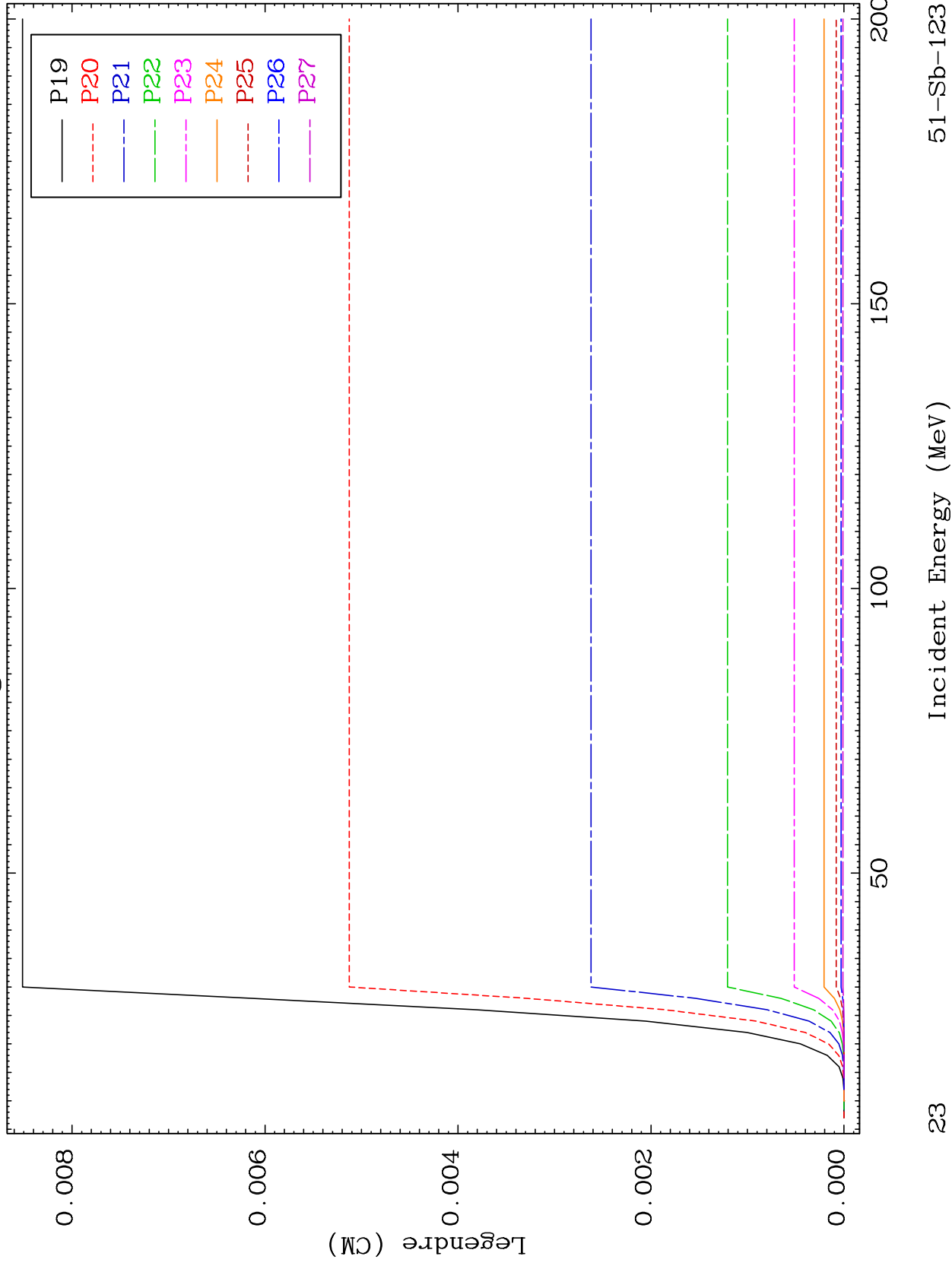
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51-Sb-123

MAT 5131

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

51-Sb-123



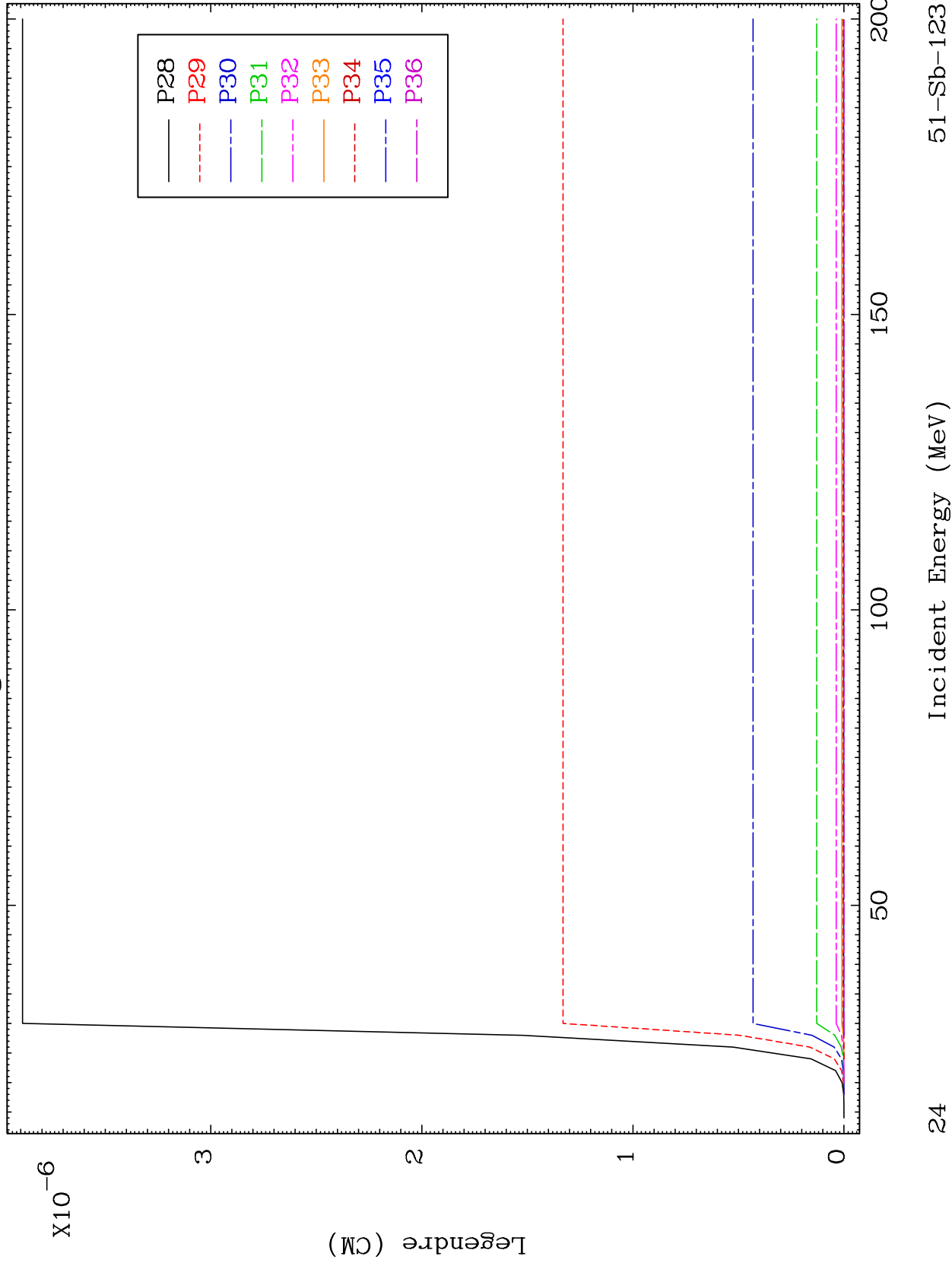
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51-Sb-123

MAT 5131

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

51-Sb-123



24

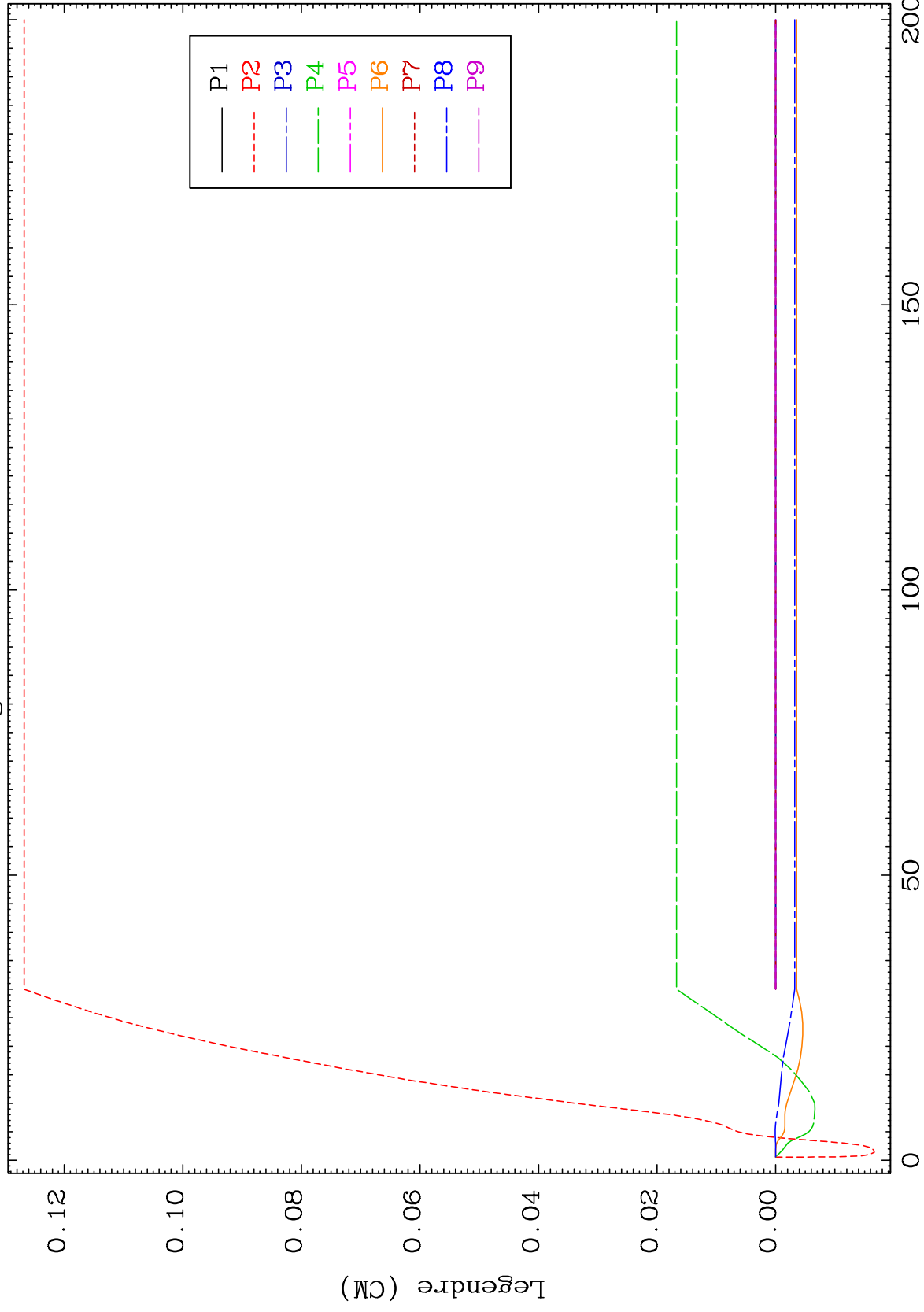
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

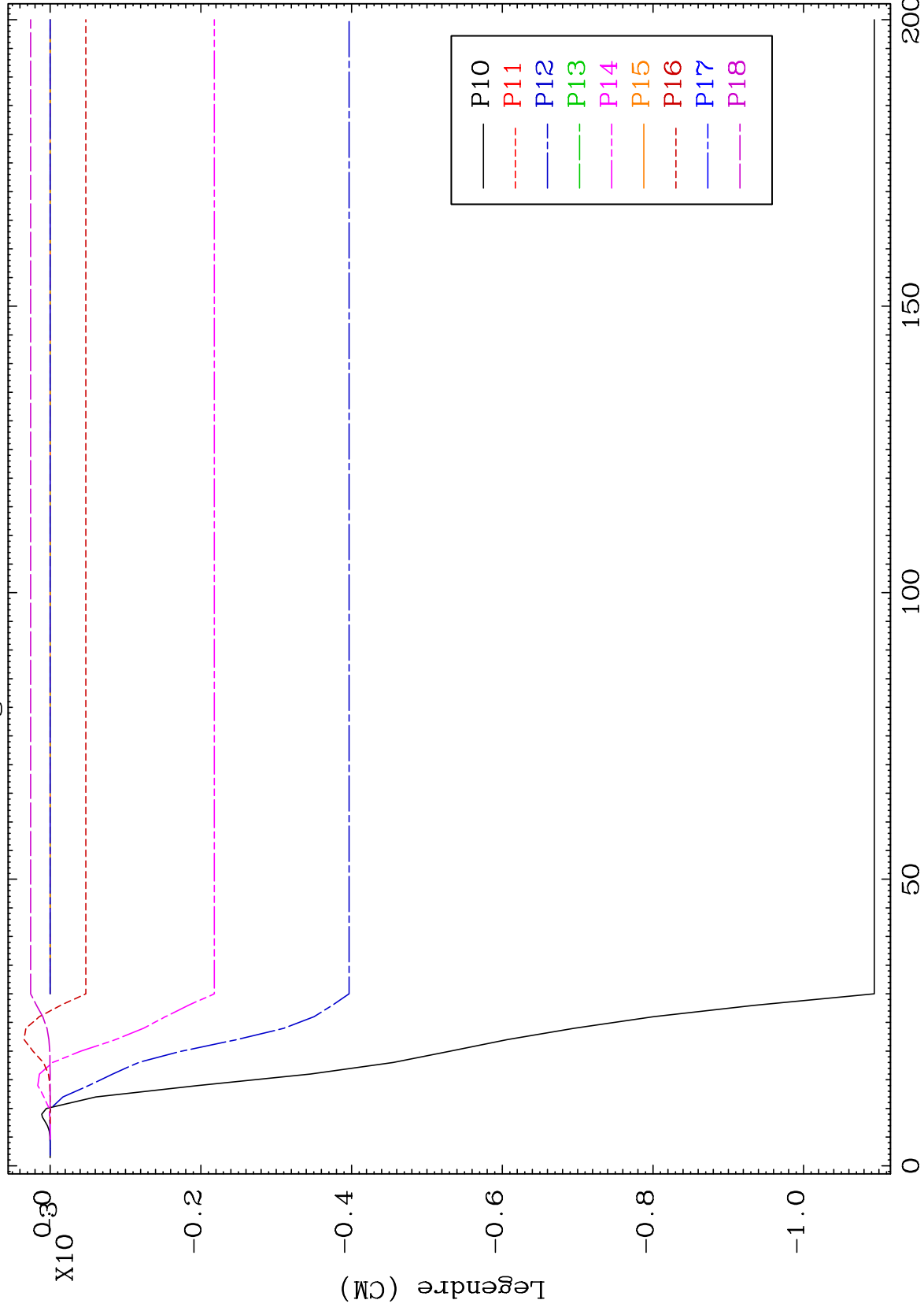
51-Sb-123



51-Sb-123

Incident Energy (MeV)

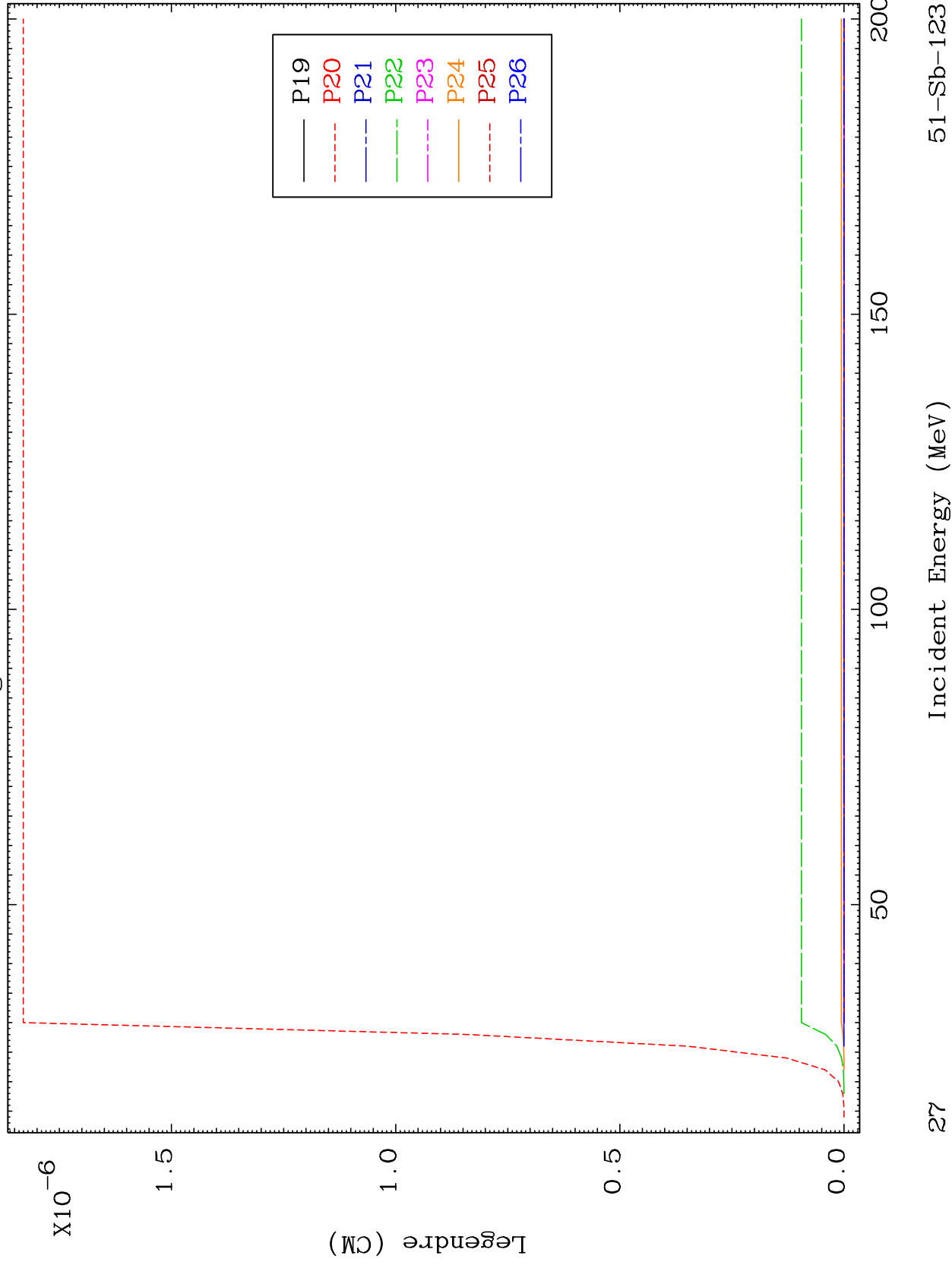
25



MAT 5131

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

51-Sb-123



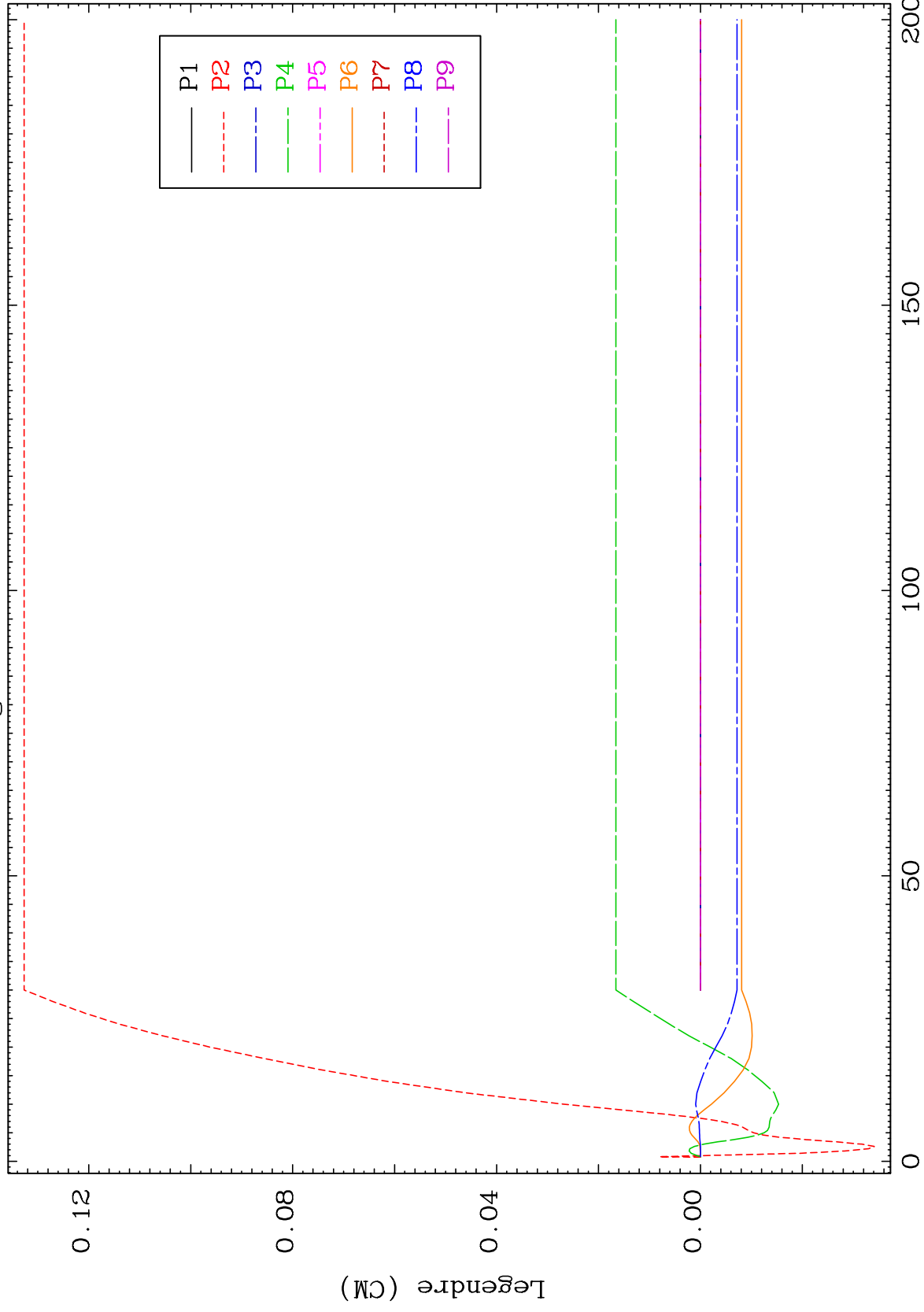
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51-Sb-123

MAT 5131

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

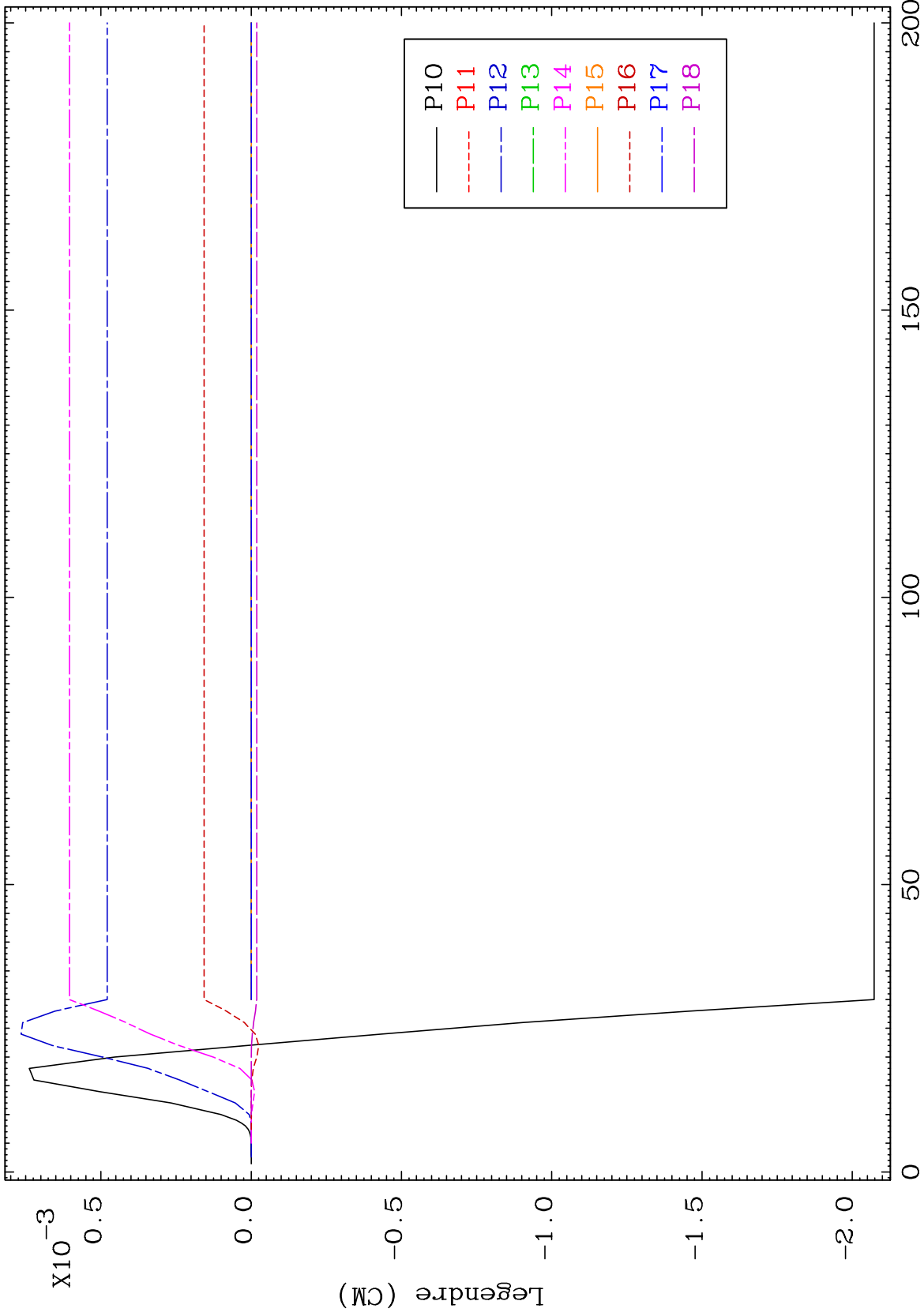
51-Sb-123



28

51-Sb-123

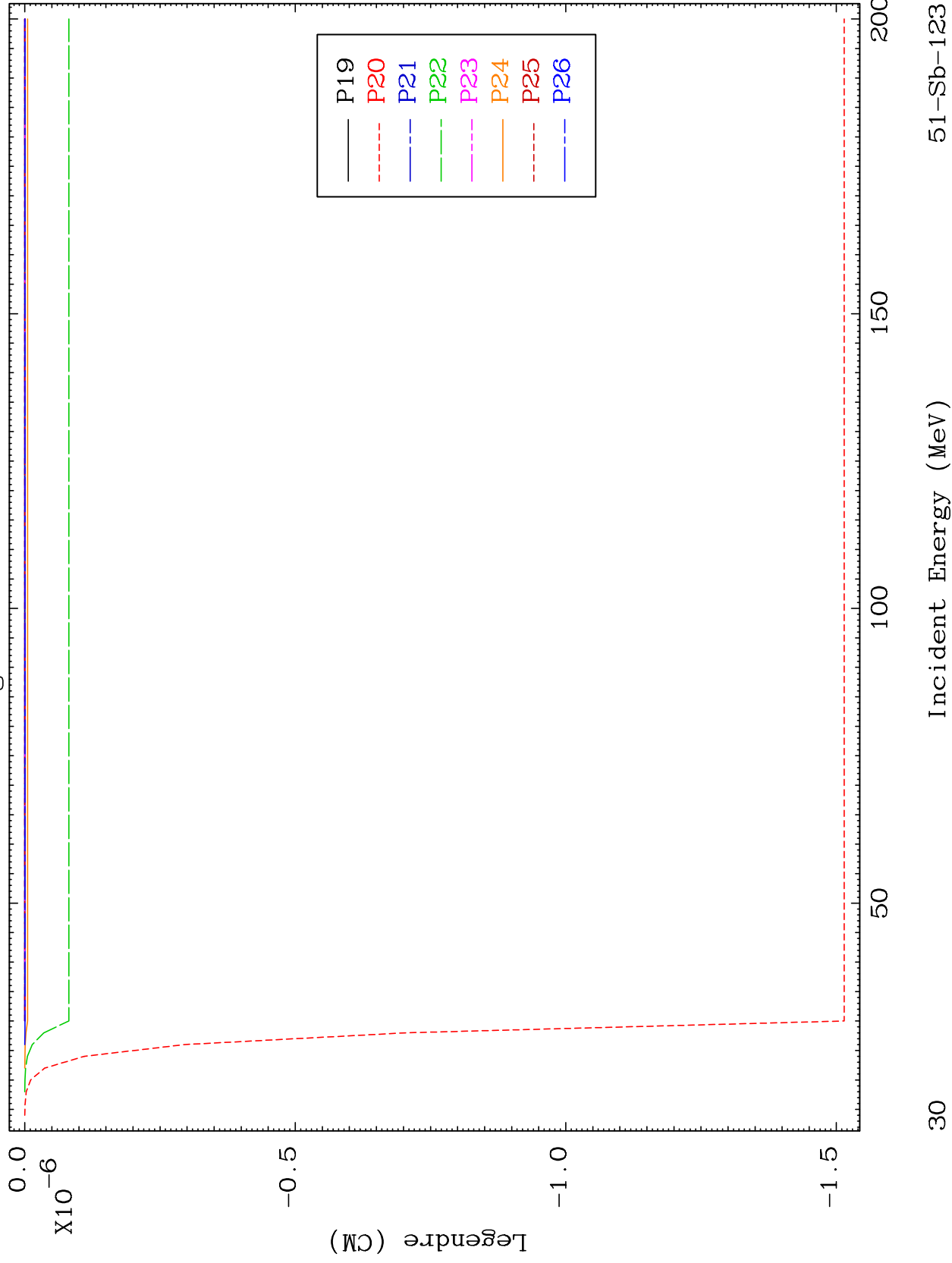
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MAT 5131

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

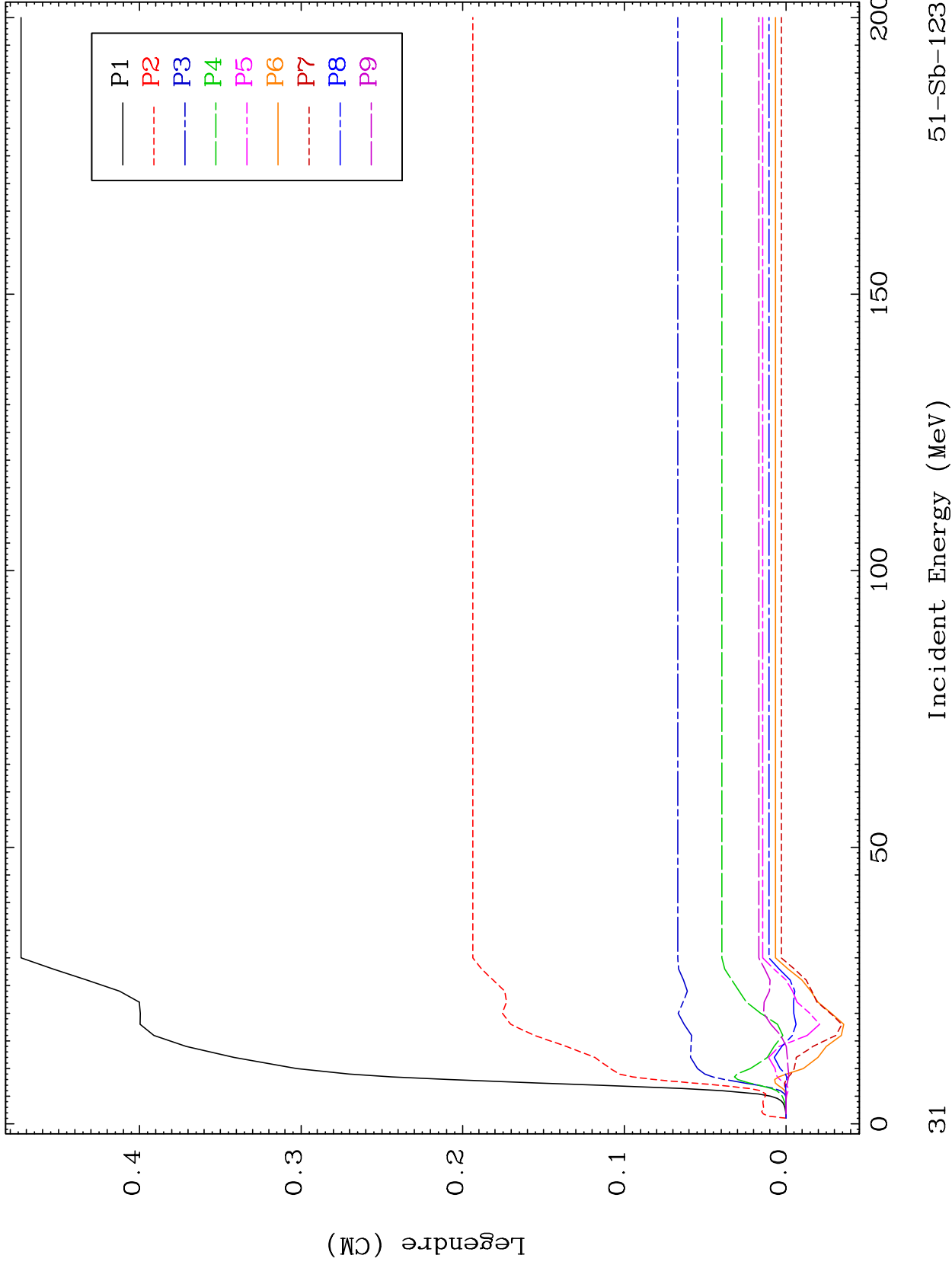
51-Sb-123



51-Sb-123

Incident Energy (MeV)

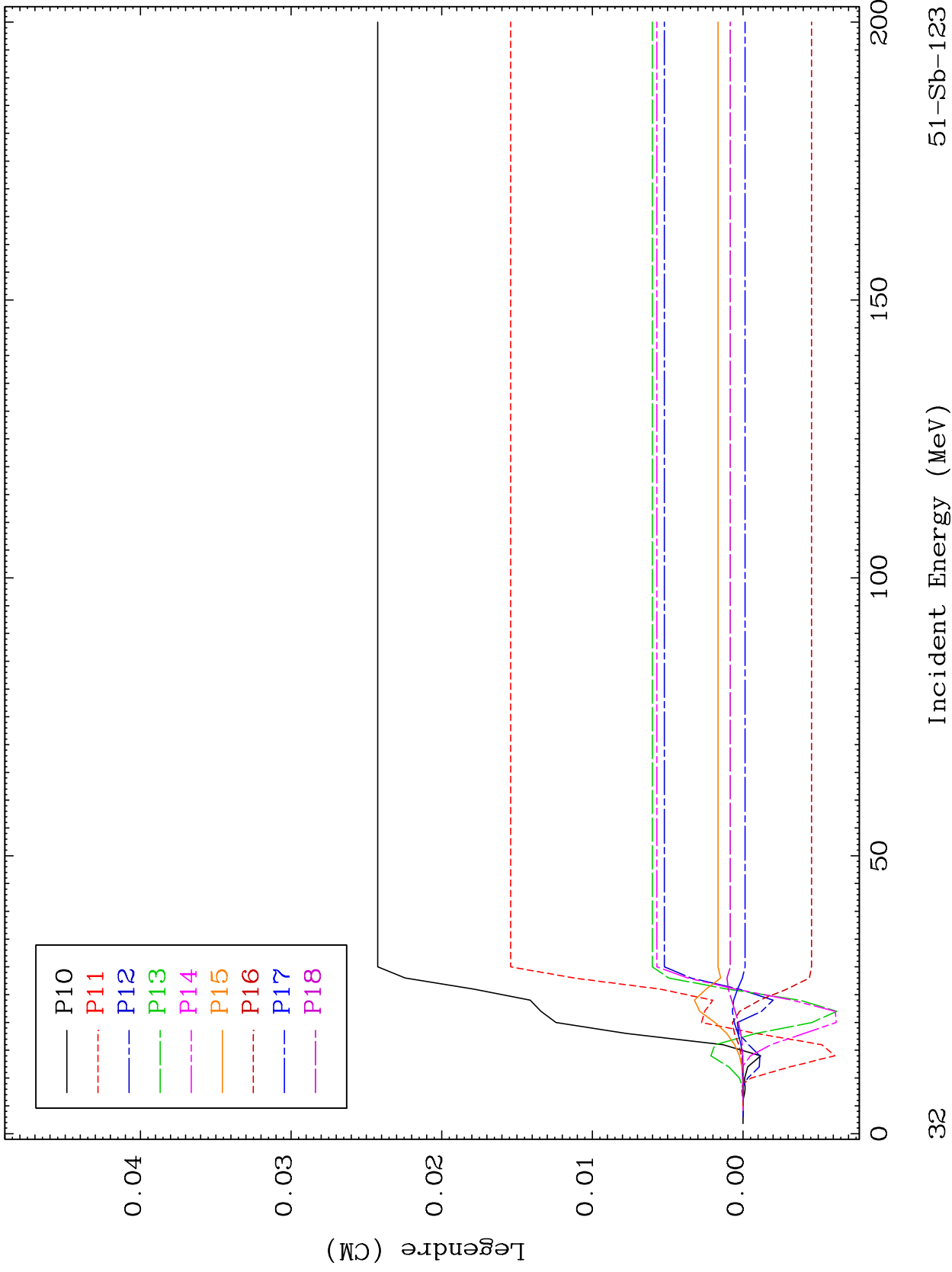
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MAT 5131

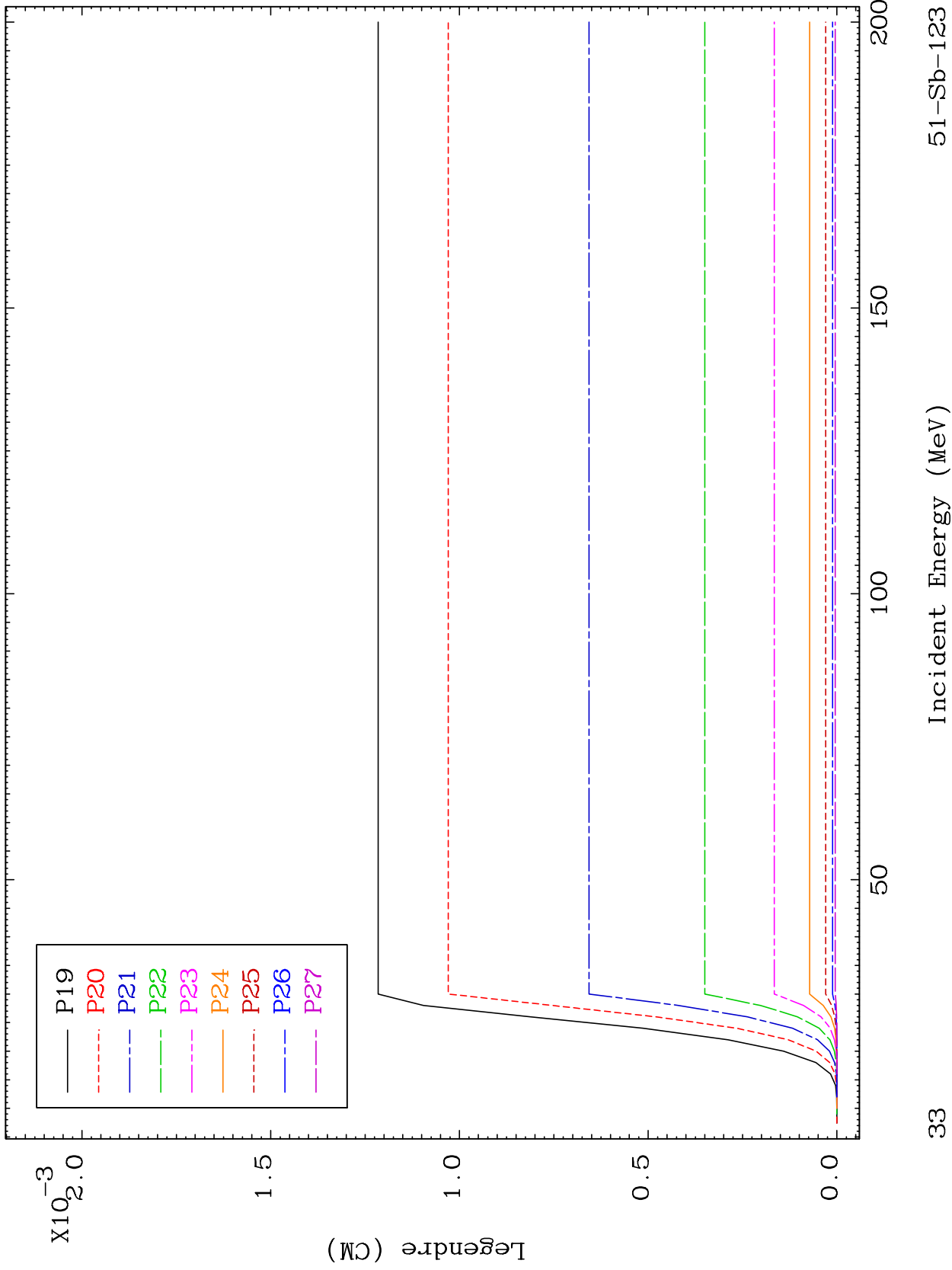
MT= 54 (n,n') Level  
Legendre Coefficients

51-Sb-123



32

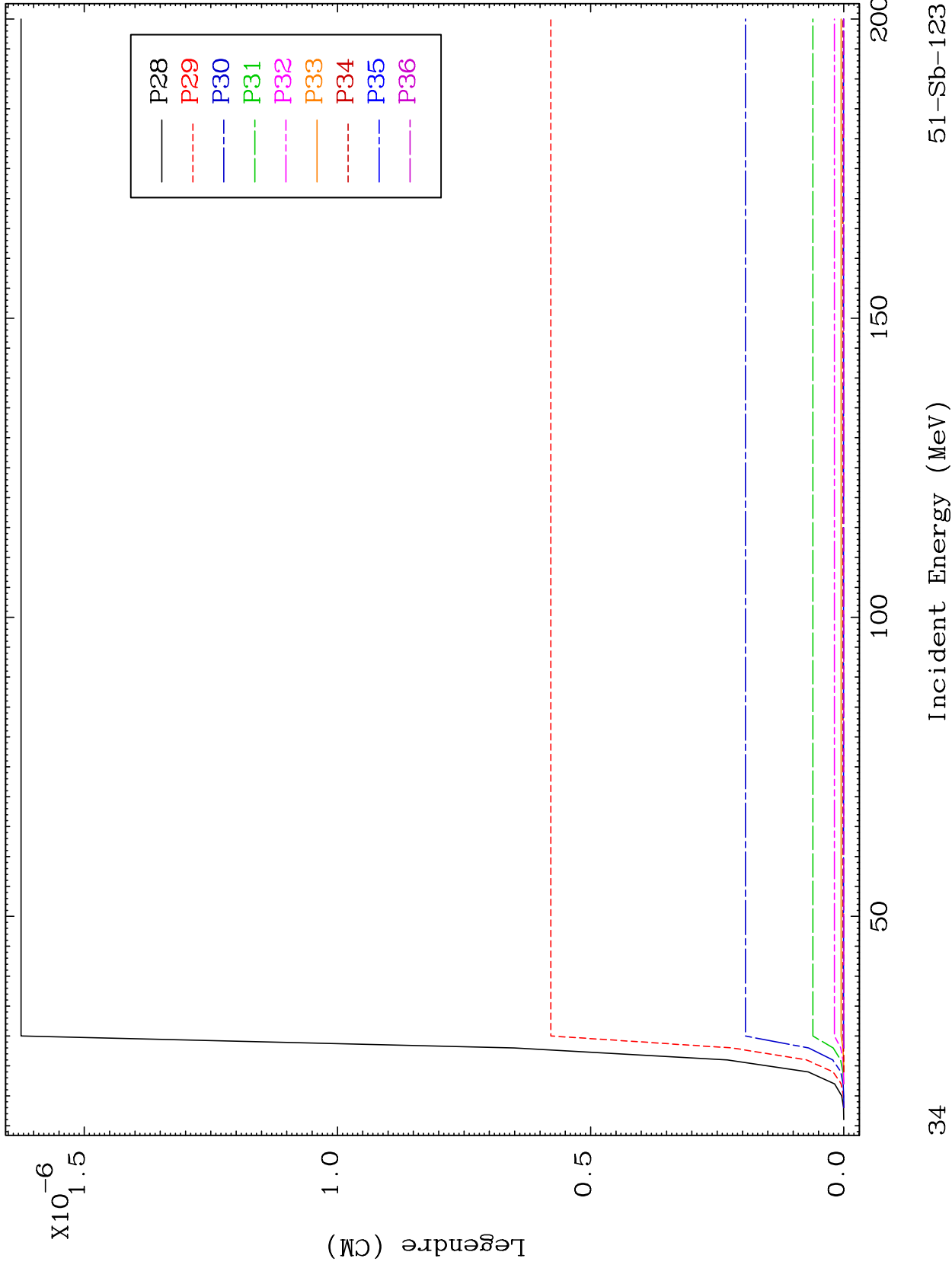
51-Sb-123



MAT 5131

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

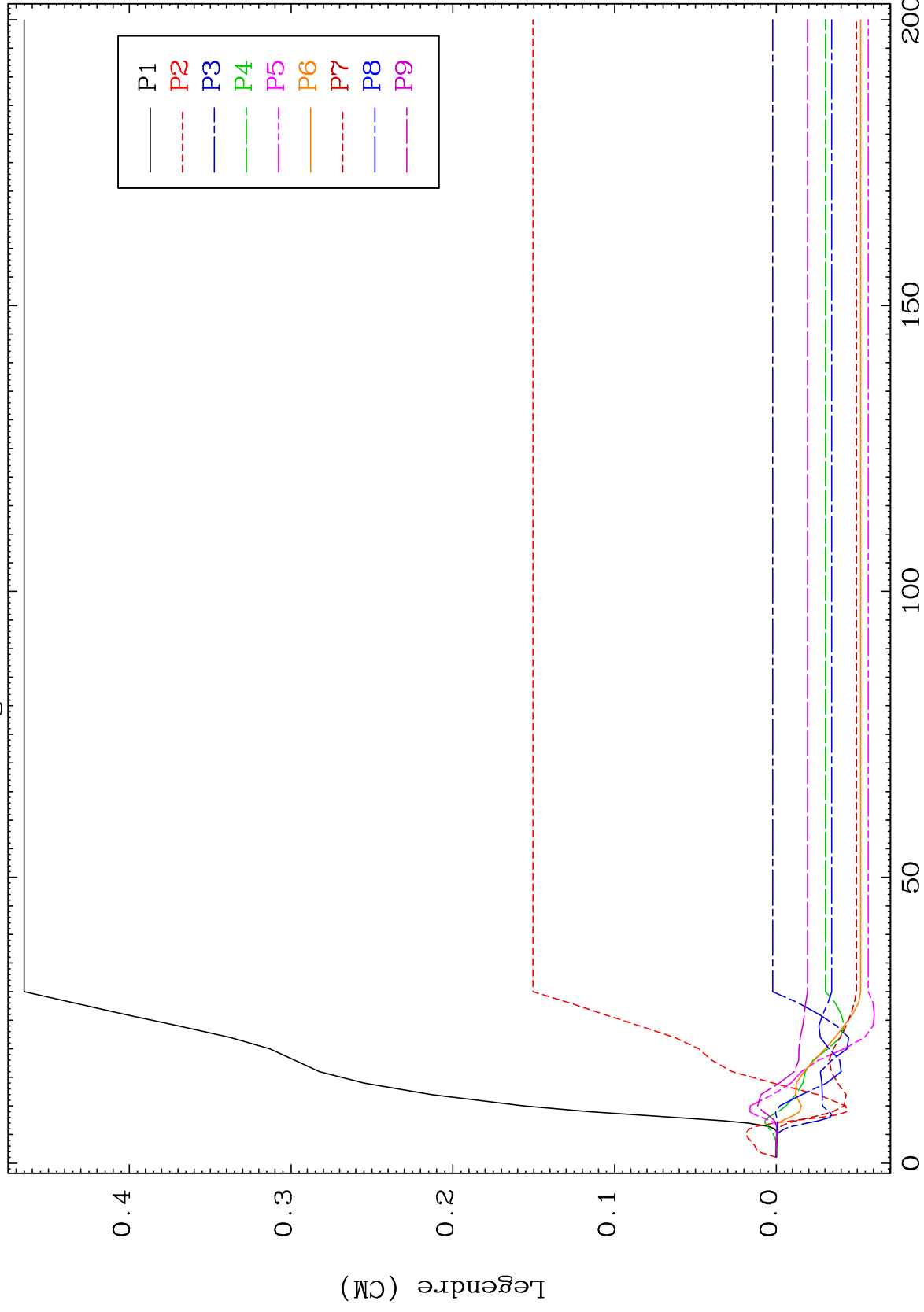
51-Sb-123



MAT 5131

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

51-Sb-123



35

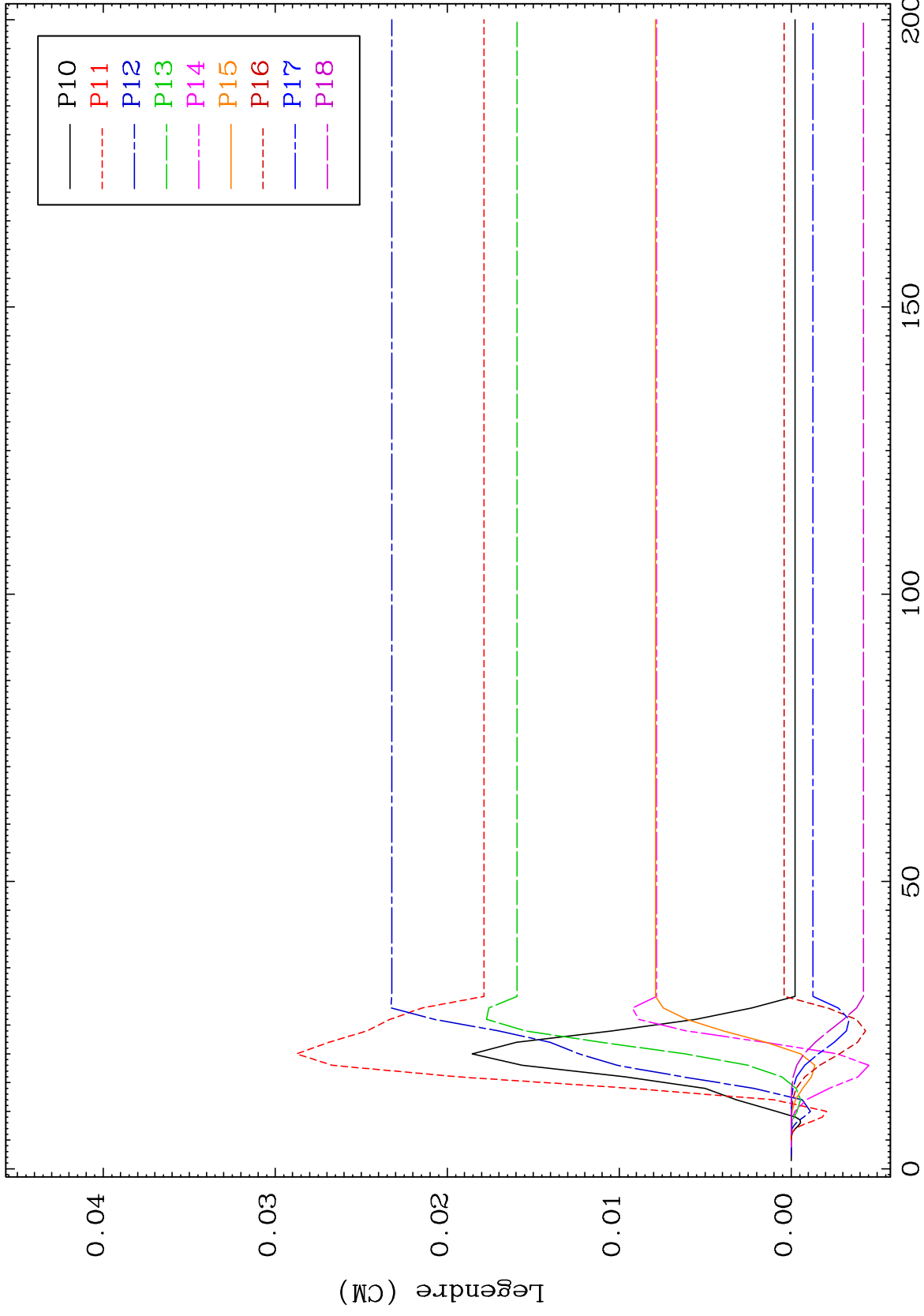
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

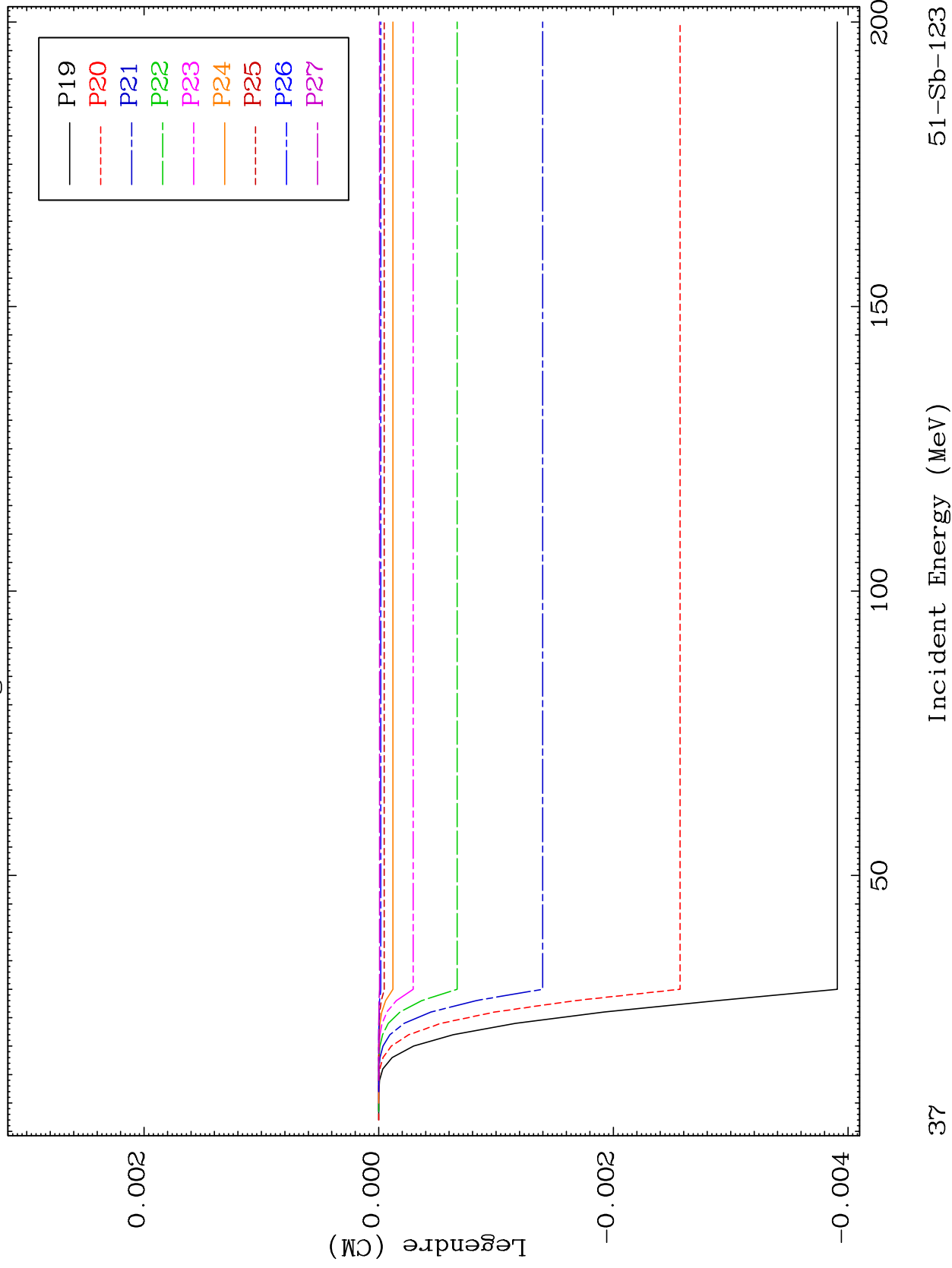
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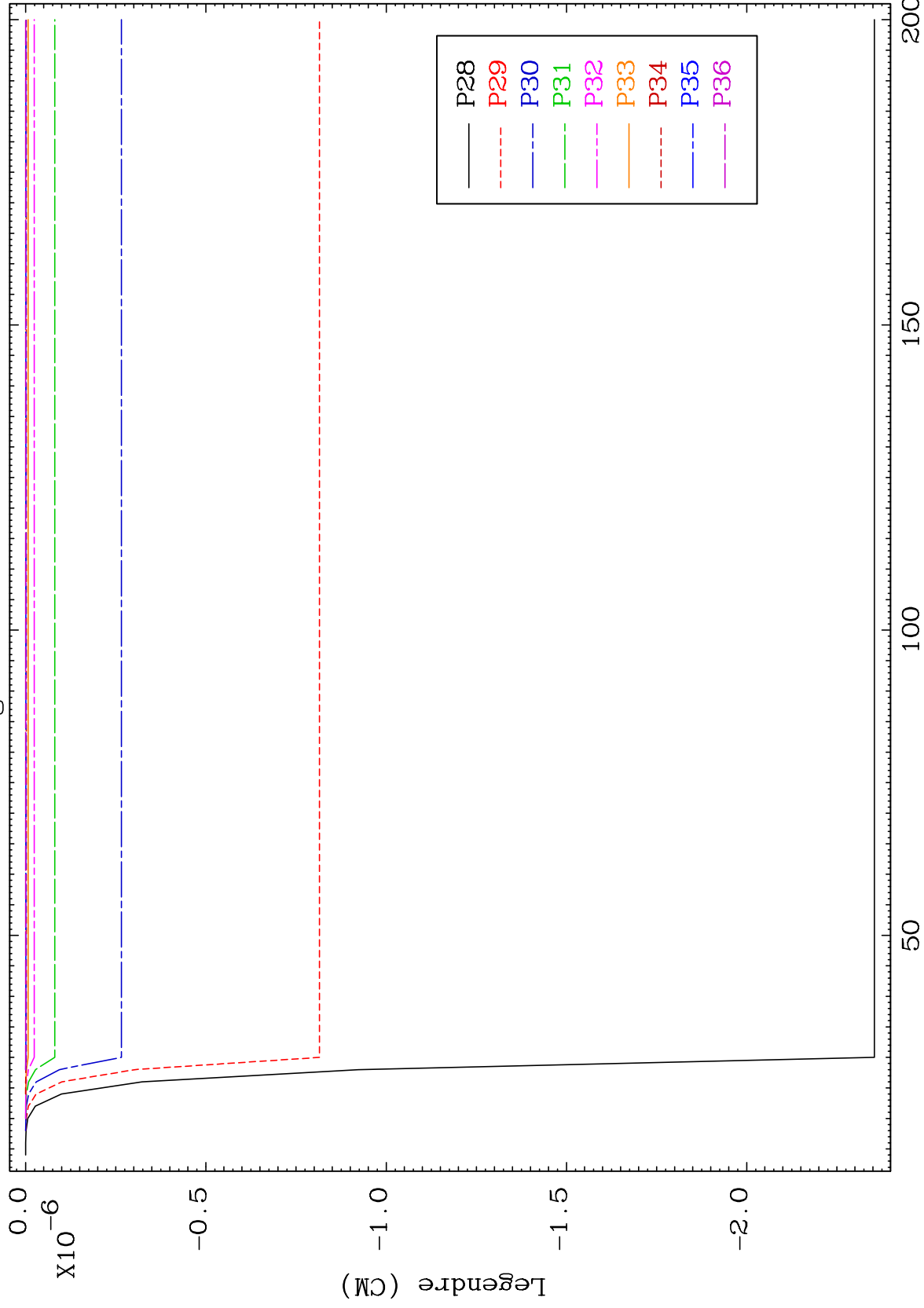


36

Incident Energy (MeV)

51-Sb-123

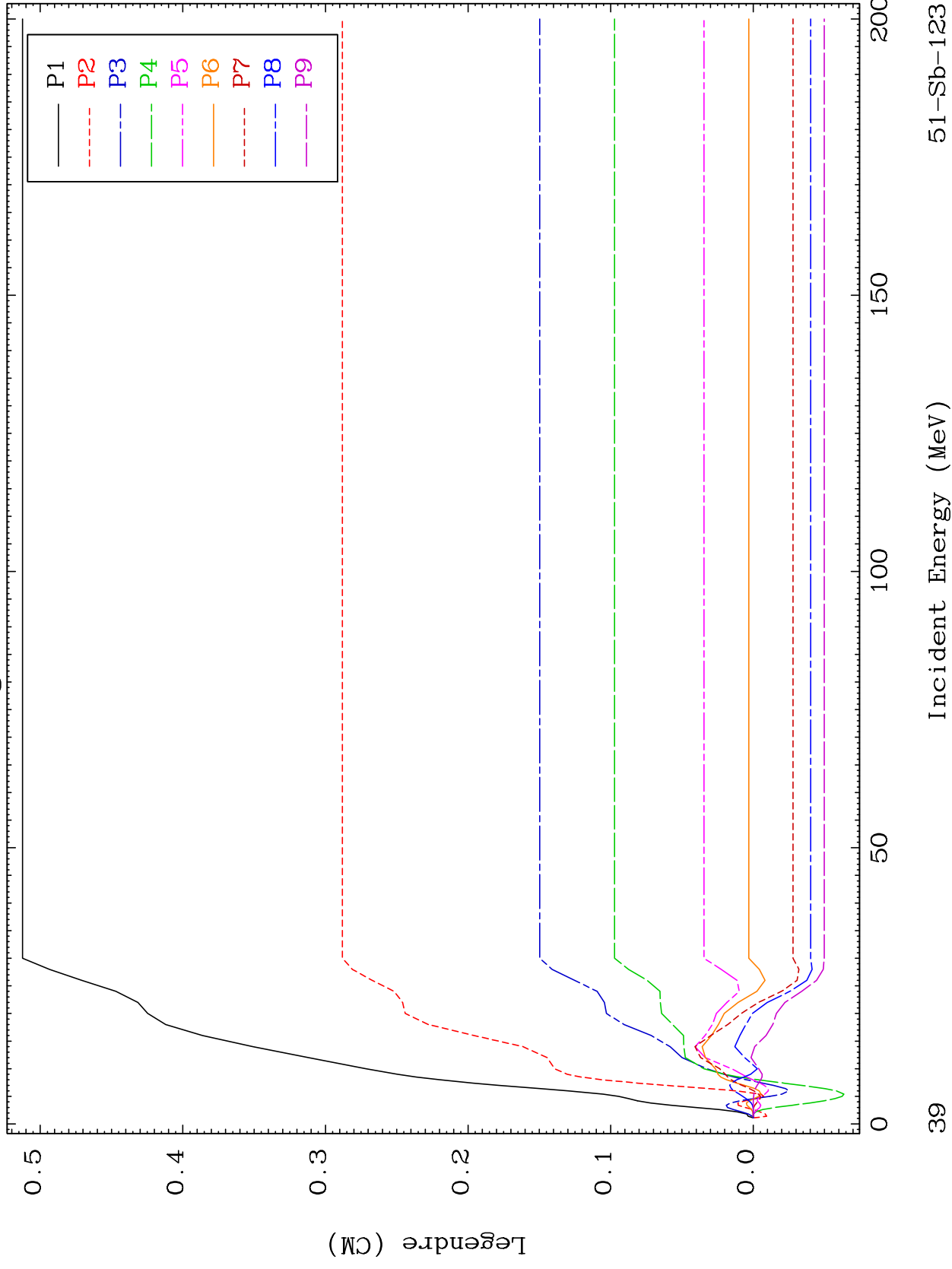




MAT 5131

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

51-Sb-123



51-Sb-123

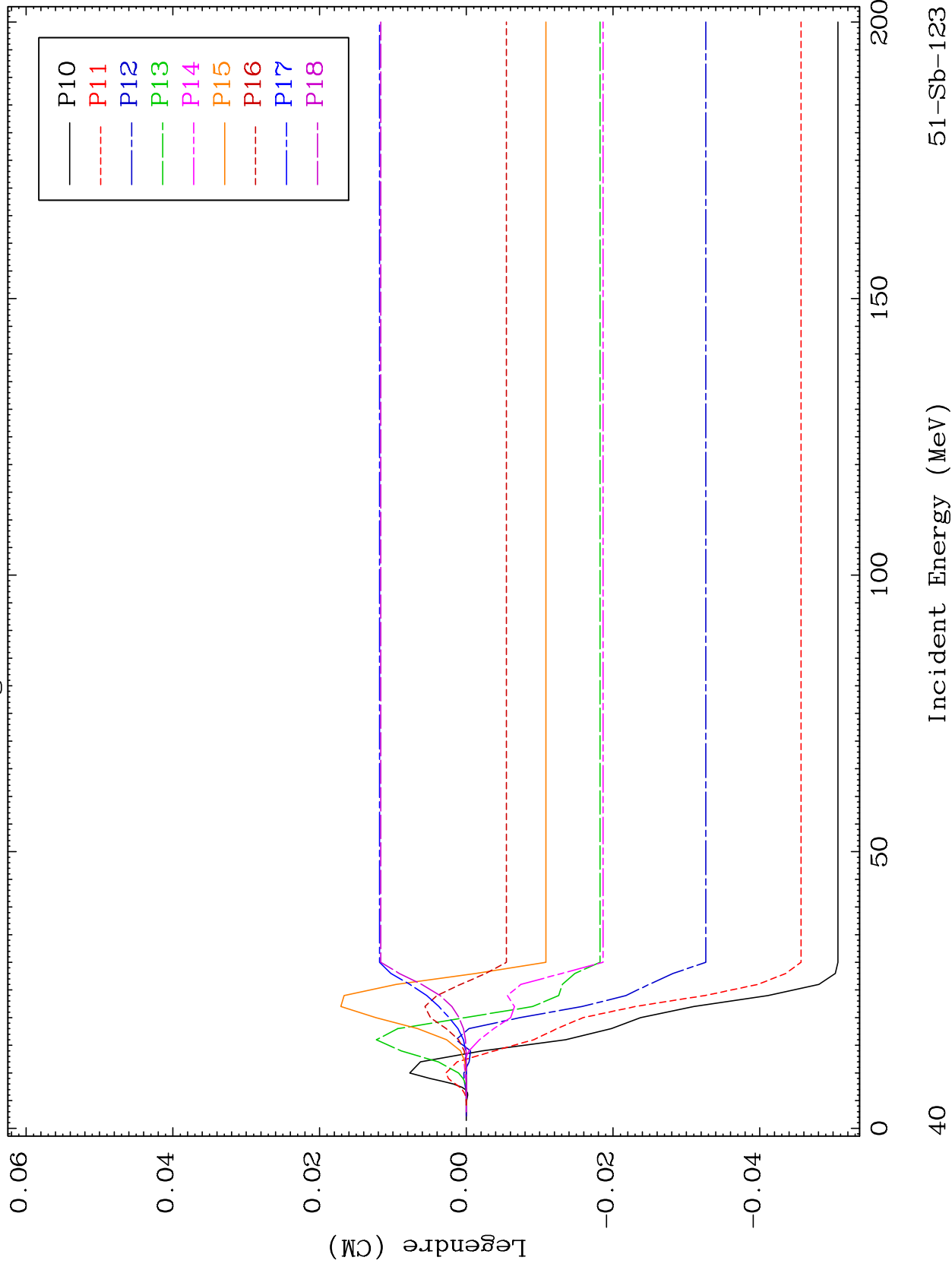
Incident Energy (MeV)

39

MAT 5131

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

51-Sb-123



51-Sb-123

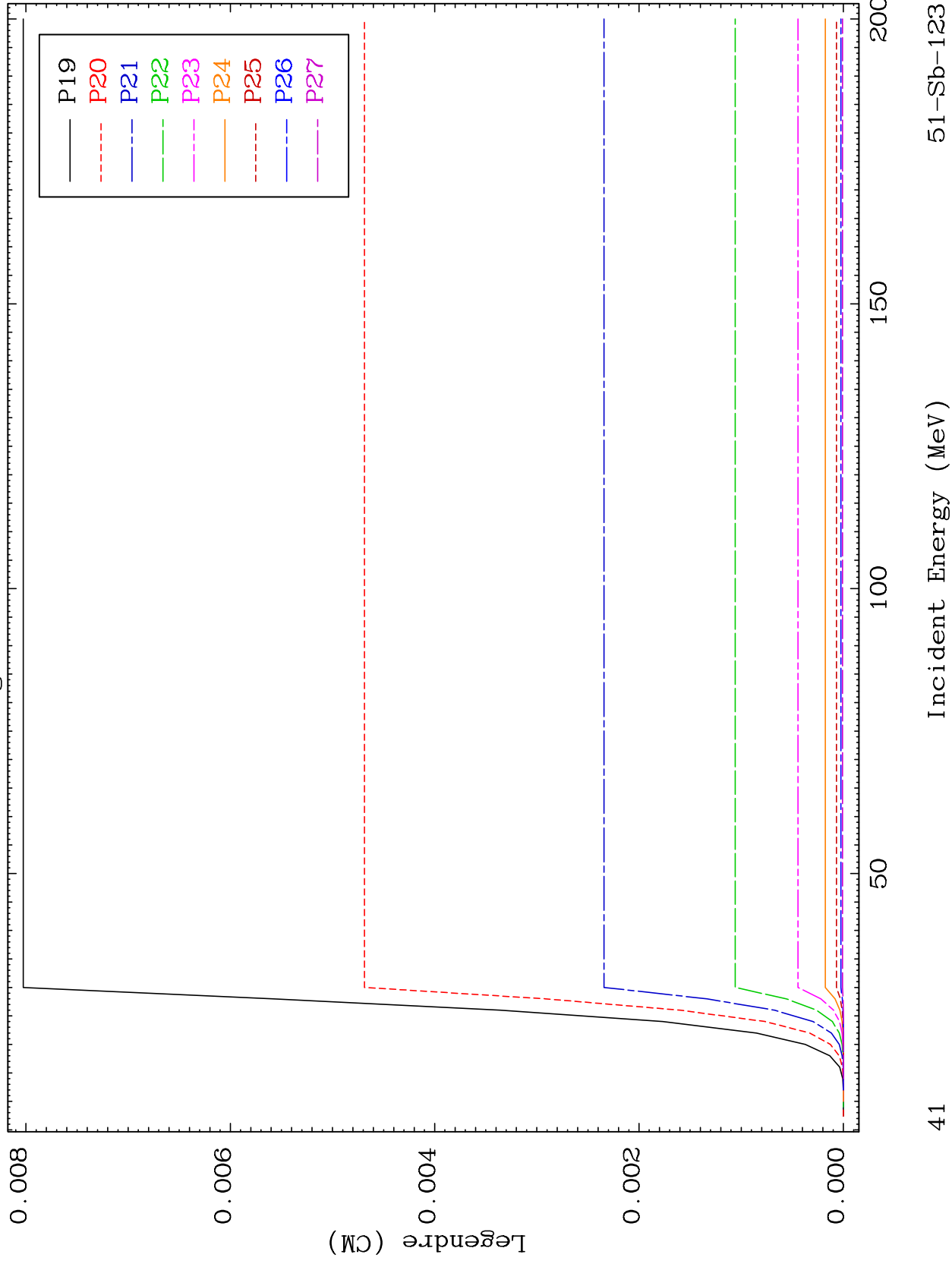
Incident Energy (MeV)

40

MAT 5131

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

51-Sb-123



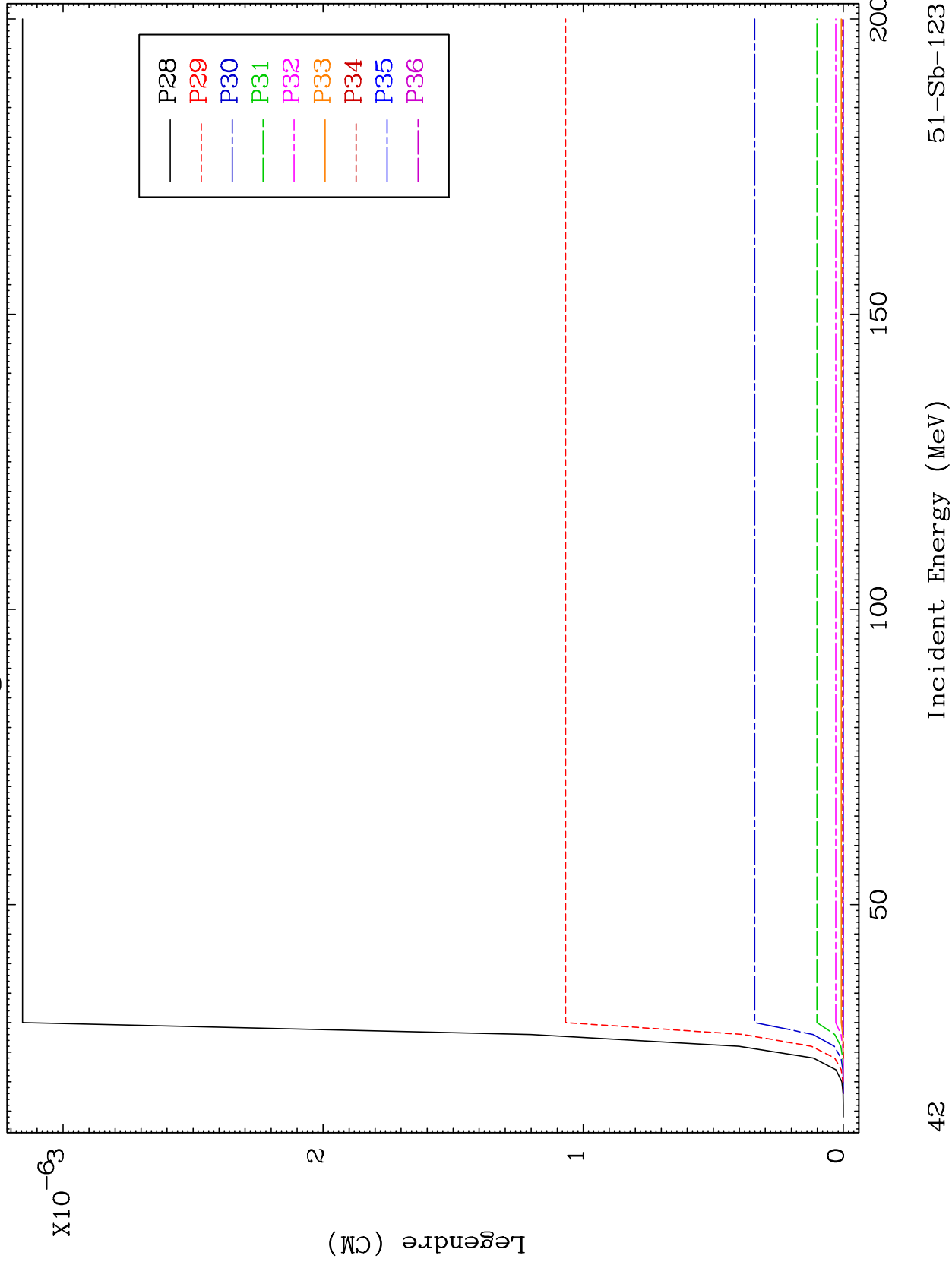
41

51-Sb-123

MAT 5131

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

51-Sb-123



42

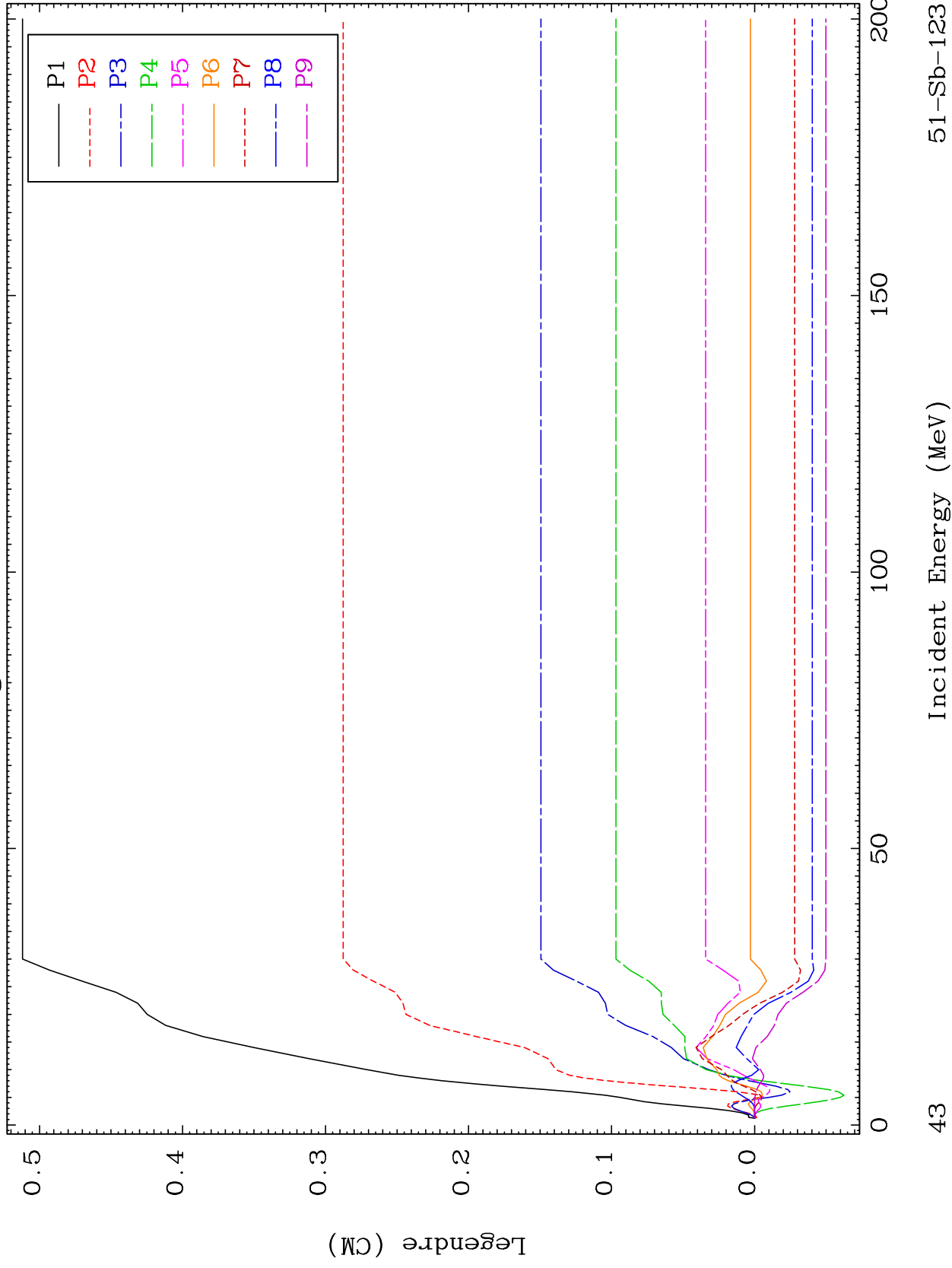
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



51-Sb-123

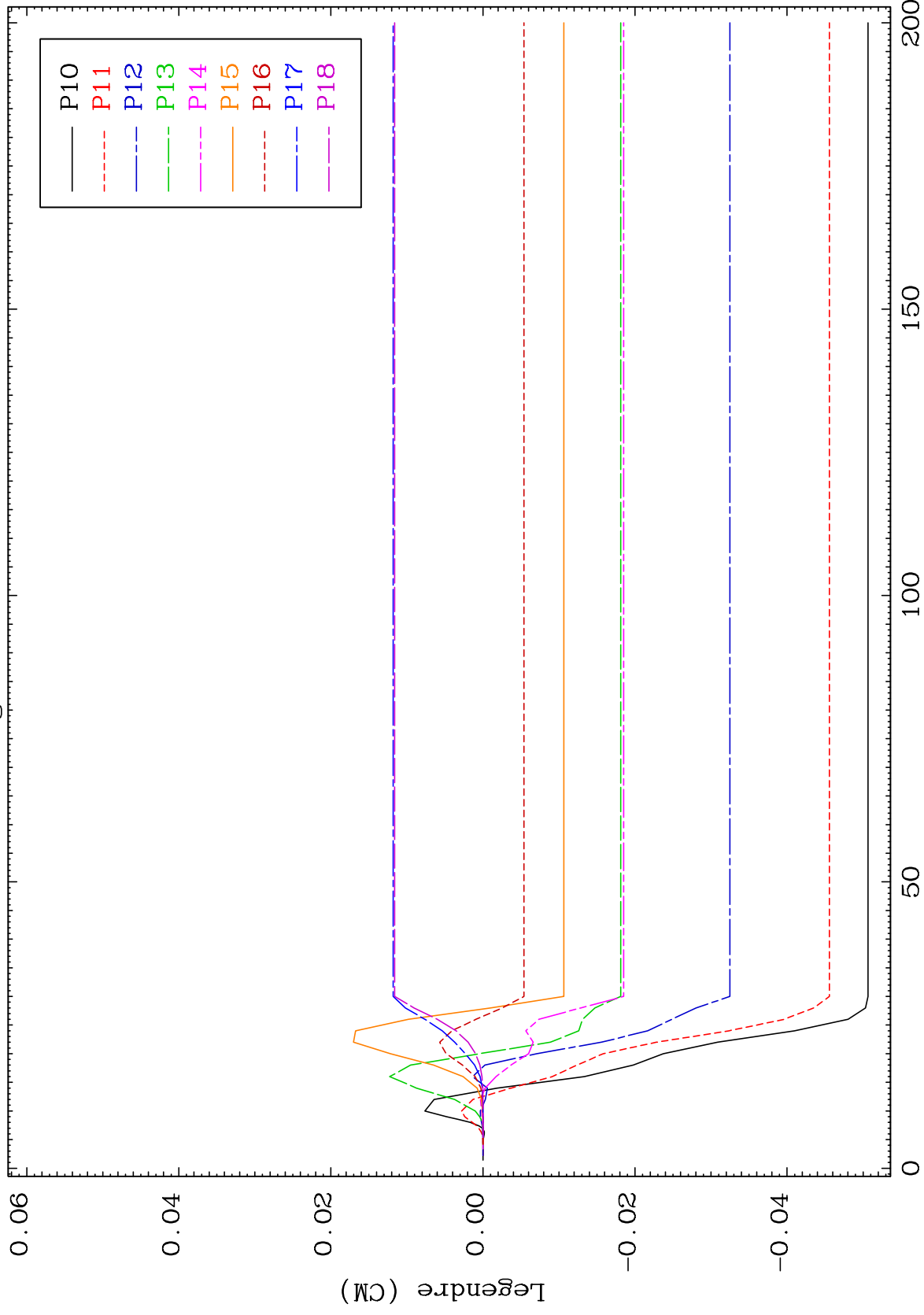
Incident Energy (MeV)

43

MAT 5131

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

51-Sb-123



44

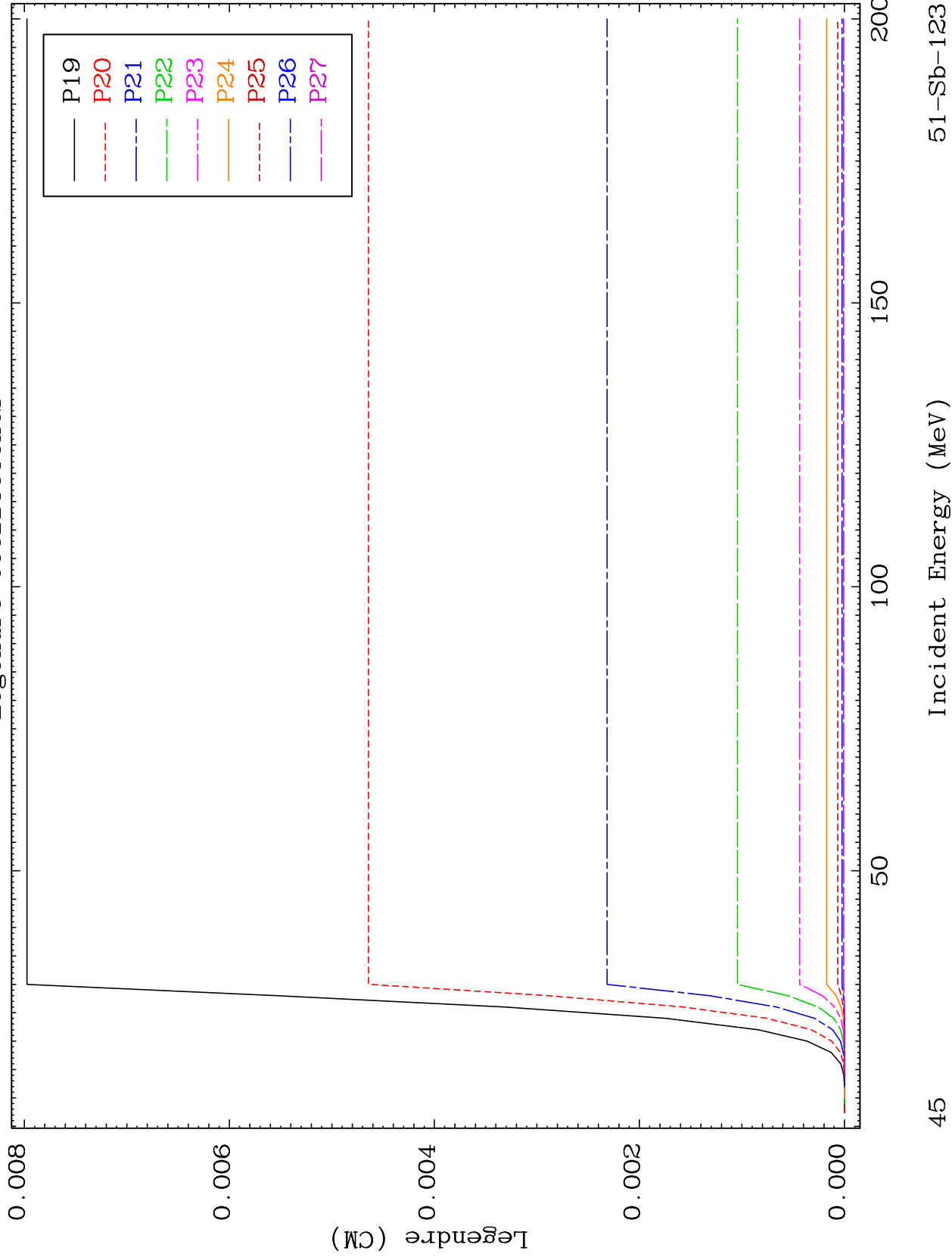
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



51-Sb-123

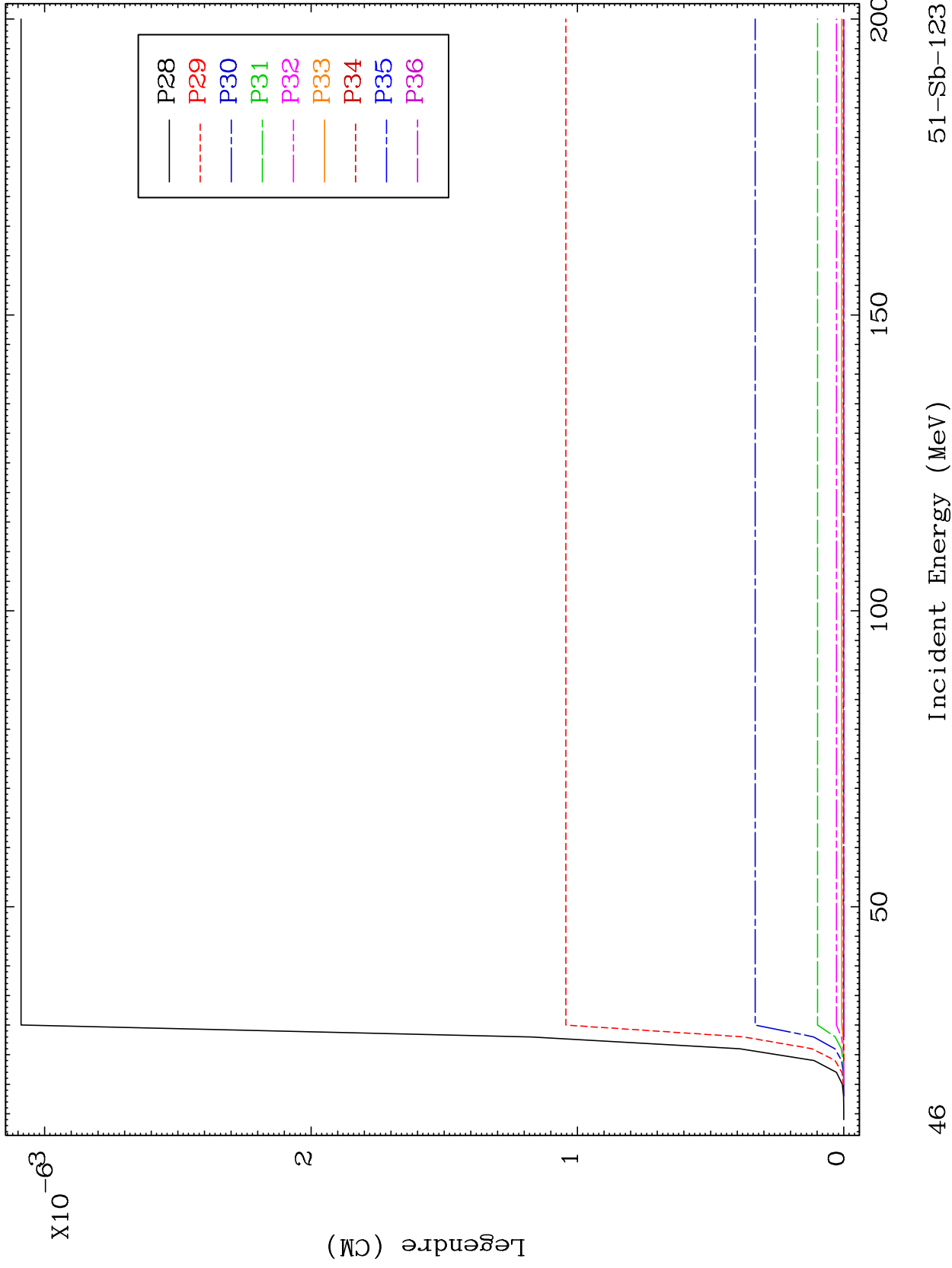
Incident Energy (MeV)

45

MAT 5131

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

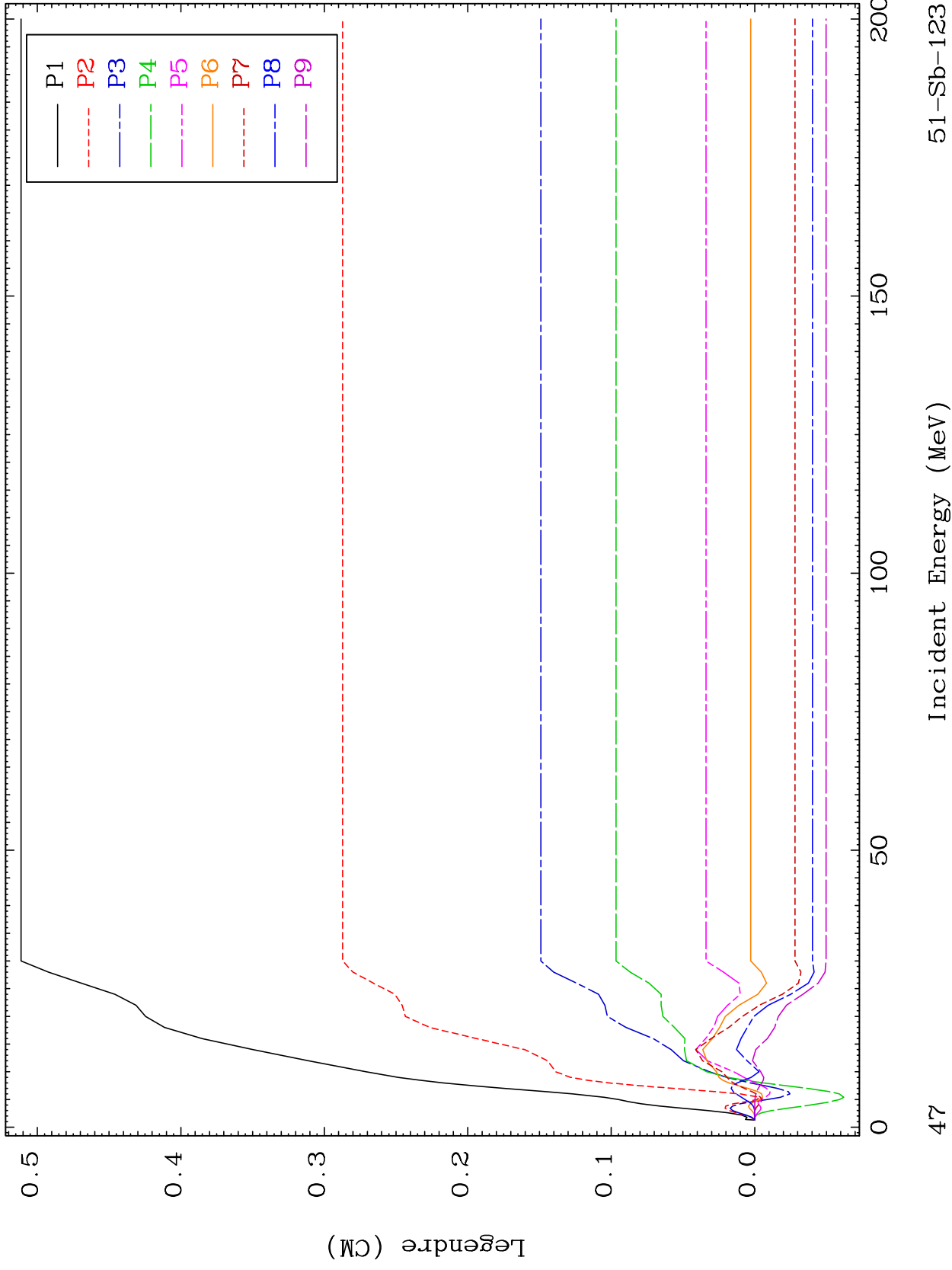
51-Sb-123



MAT 5131

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

51-Sb-123



51-Sb-123

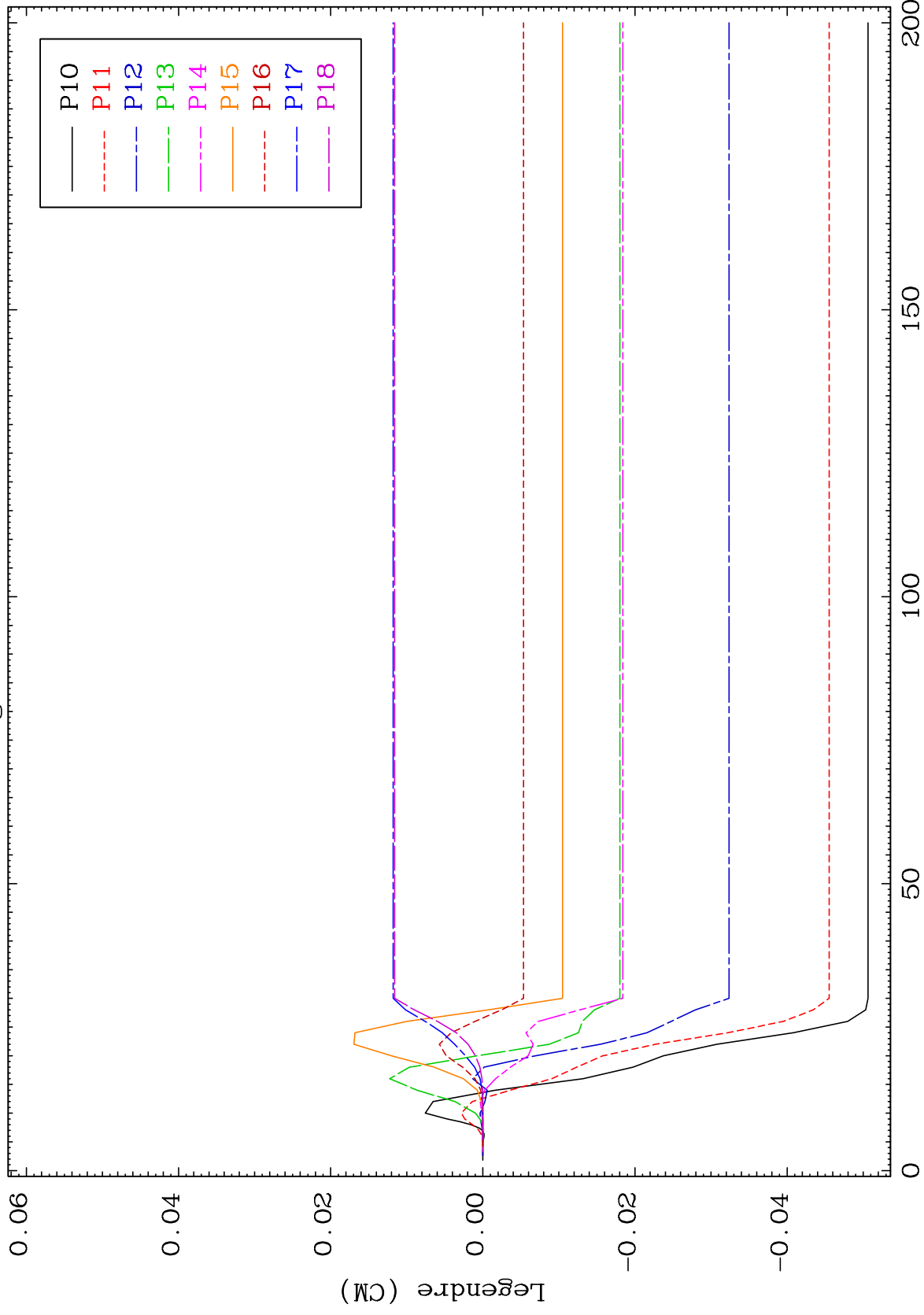
Incident Energy (MeV)

47

MAT 5131

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

51-Sb-123



48

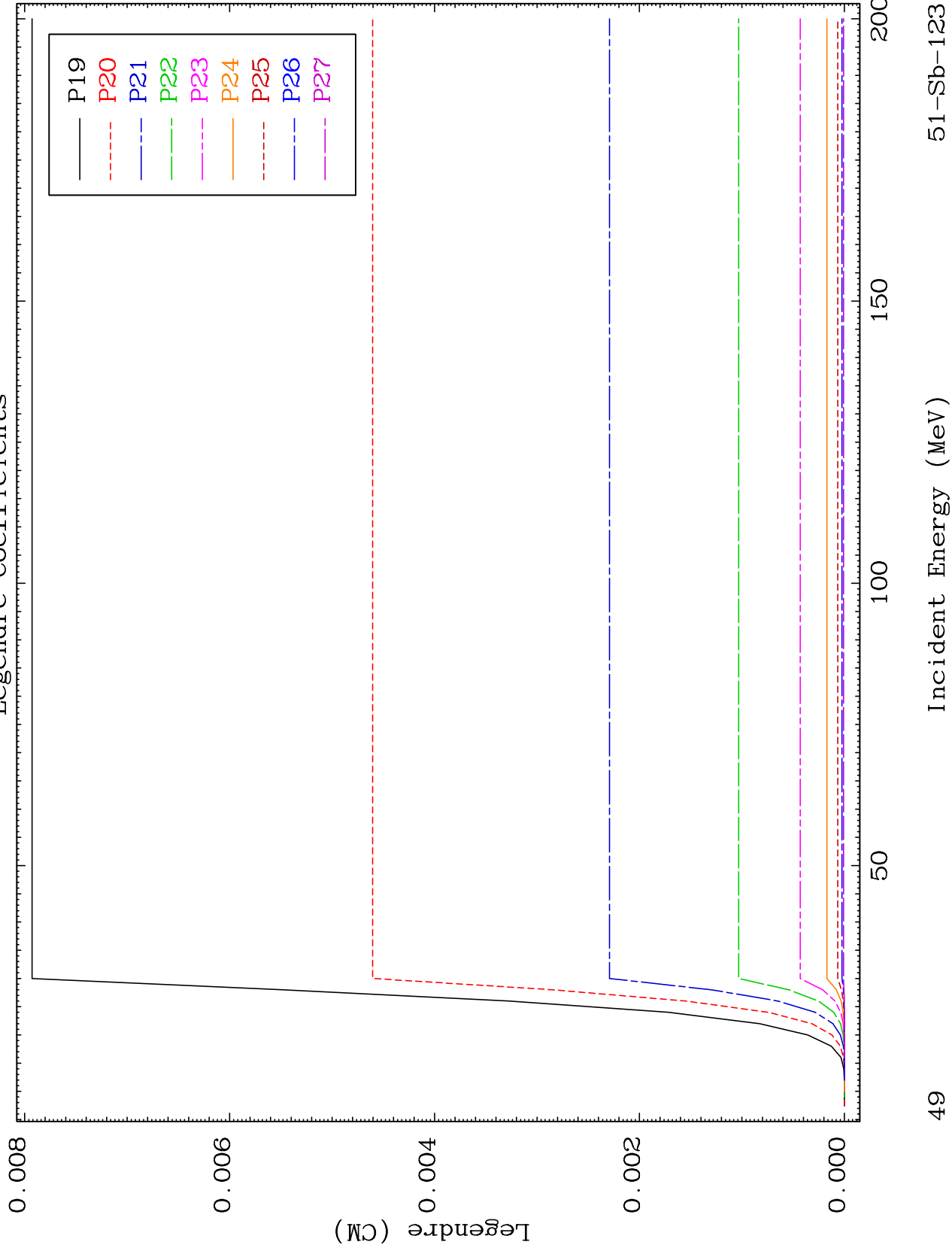
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



49

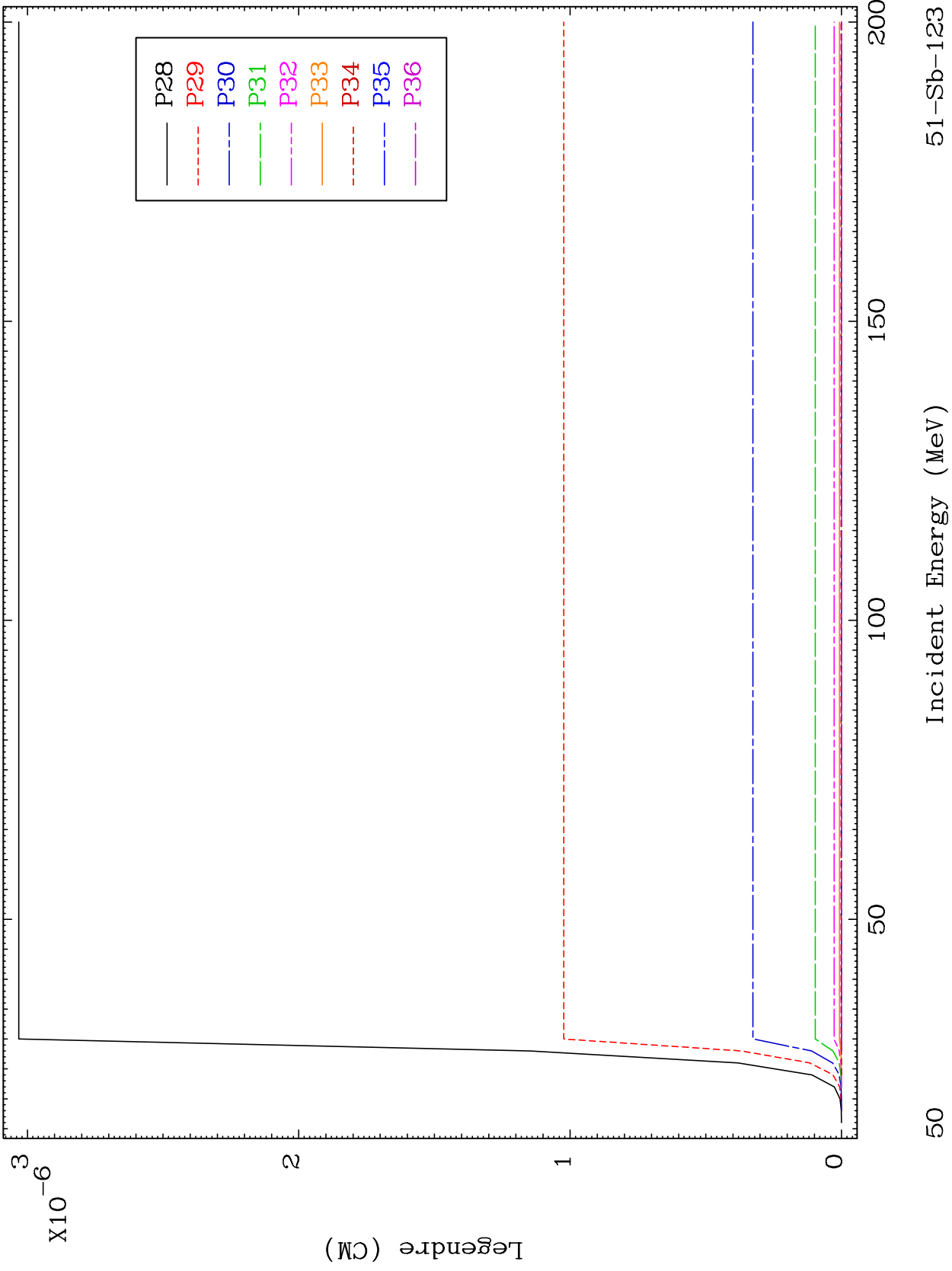
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

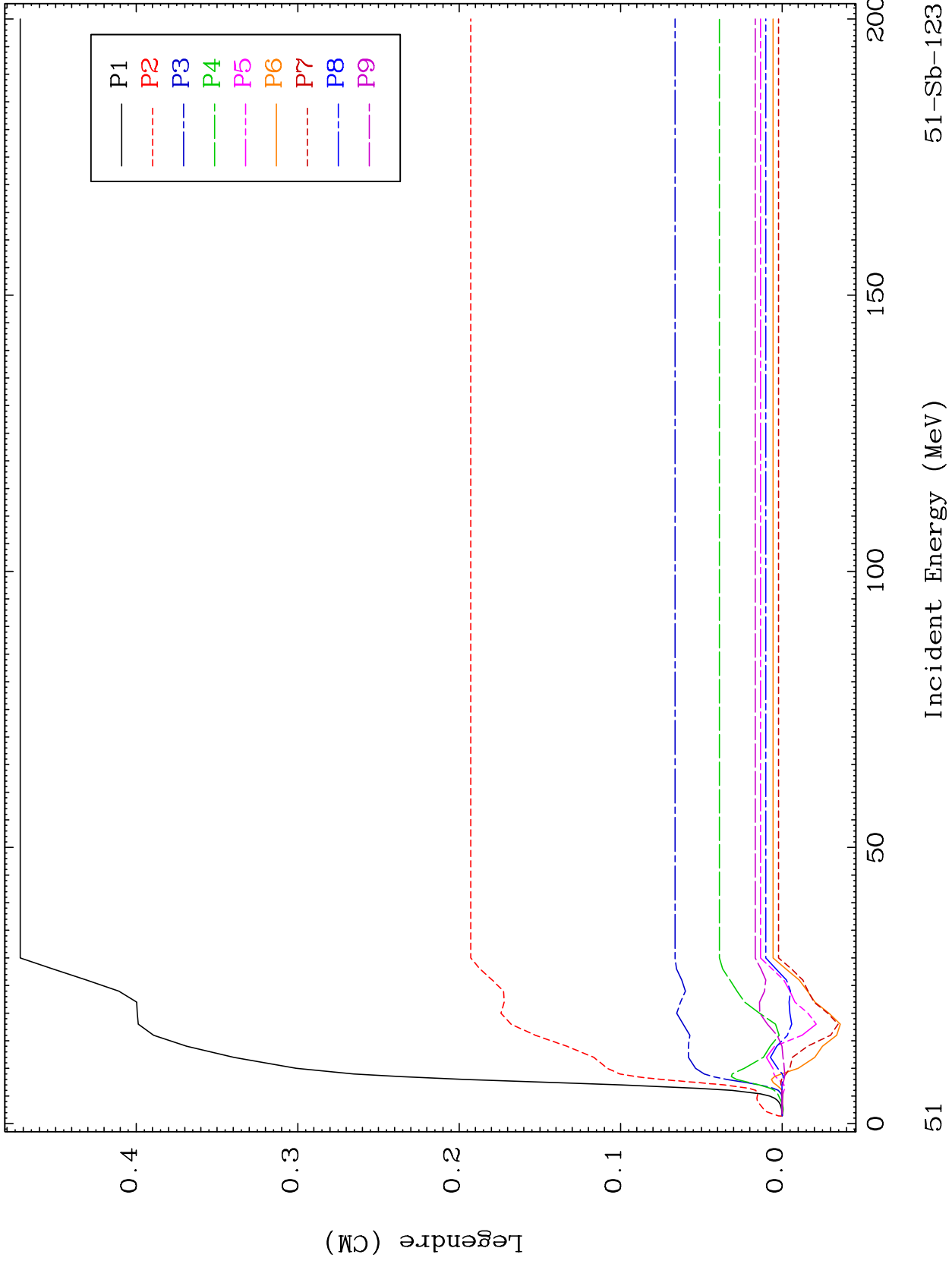
51-Sb-123



MAT 5131

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

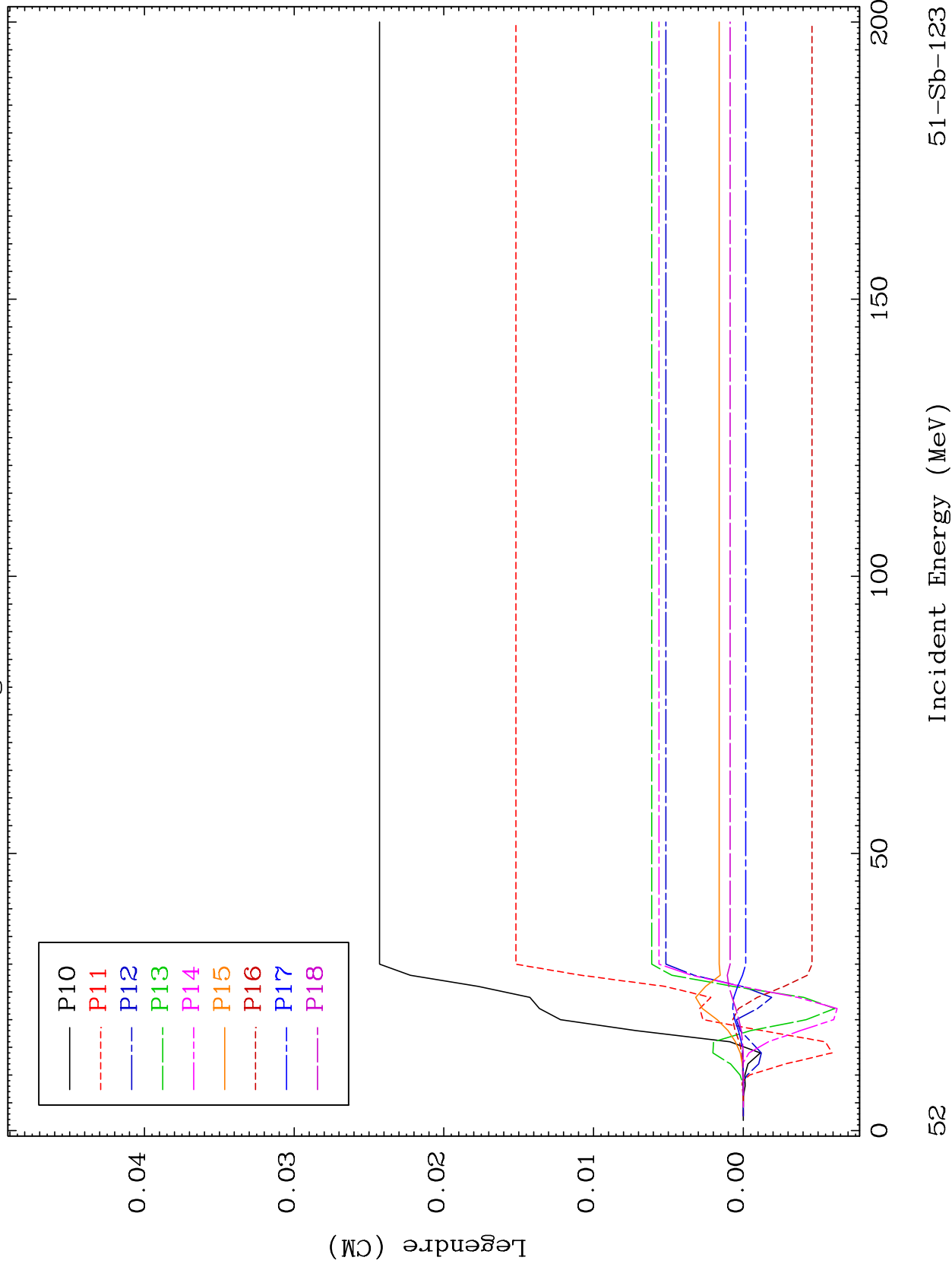
51-Sb-123

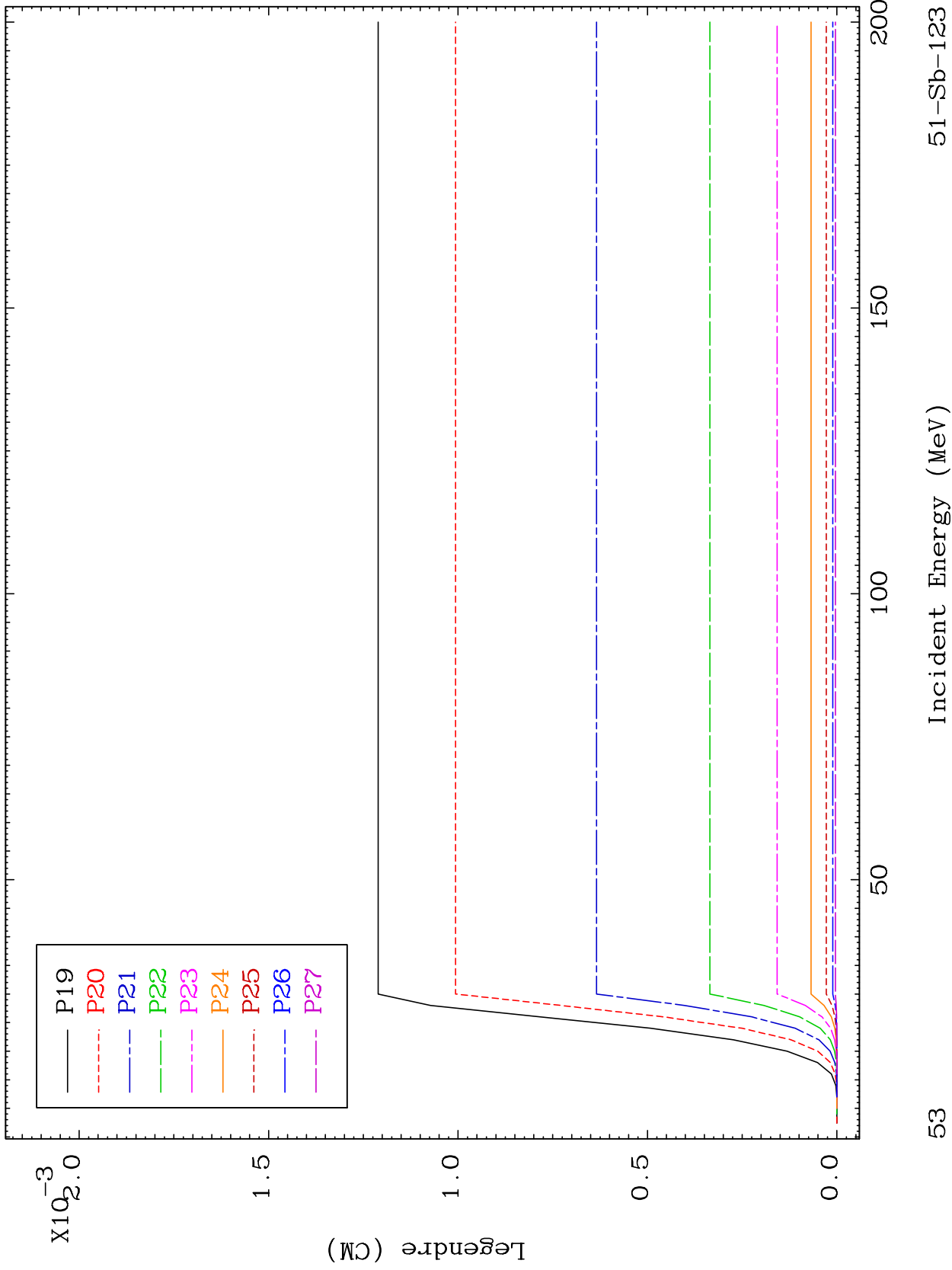


51-Sb-123

Incident Energy (MeV)

51

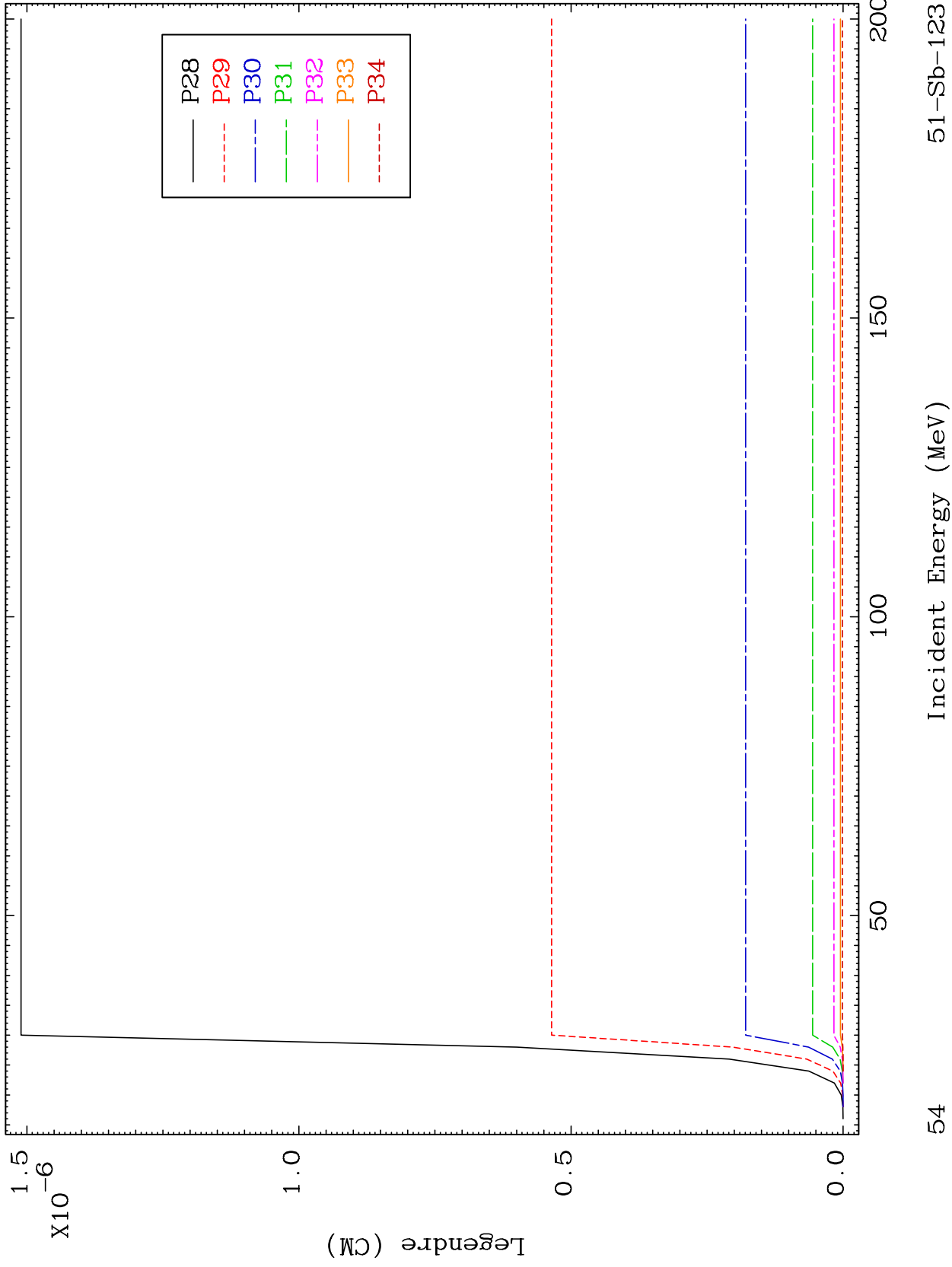




MAT 5131

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

51-Sb-123



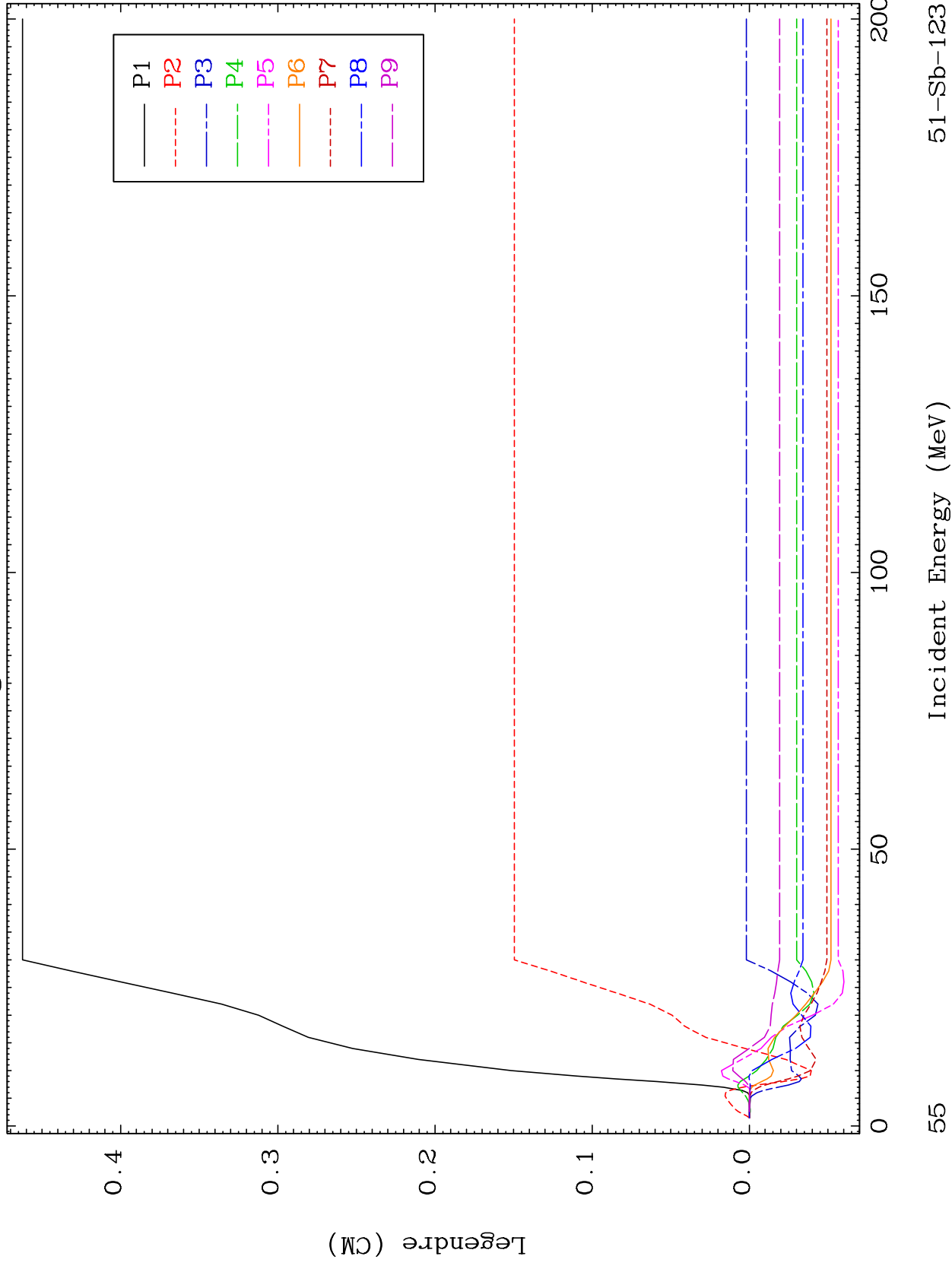
54

51-Sb-123

MAT 5131

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

51-Sb-123



51-Sb-123

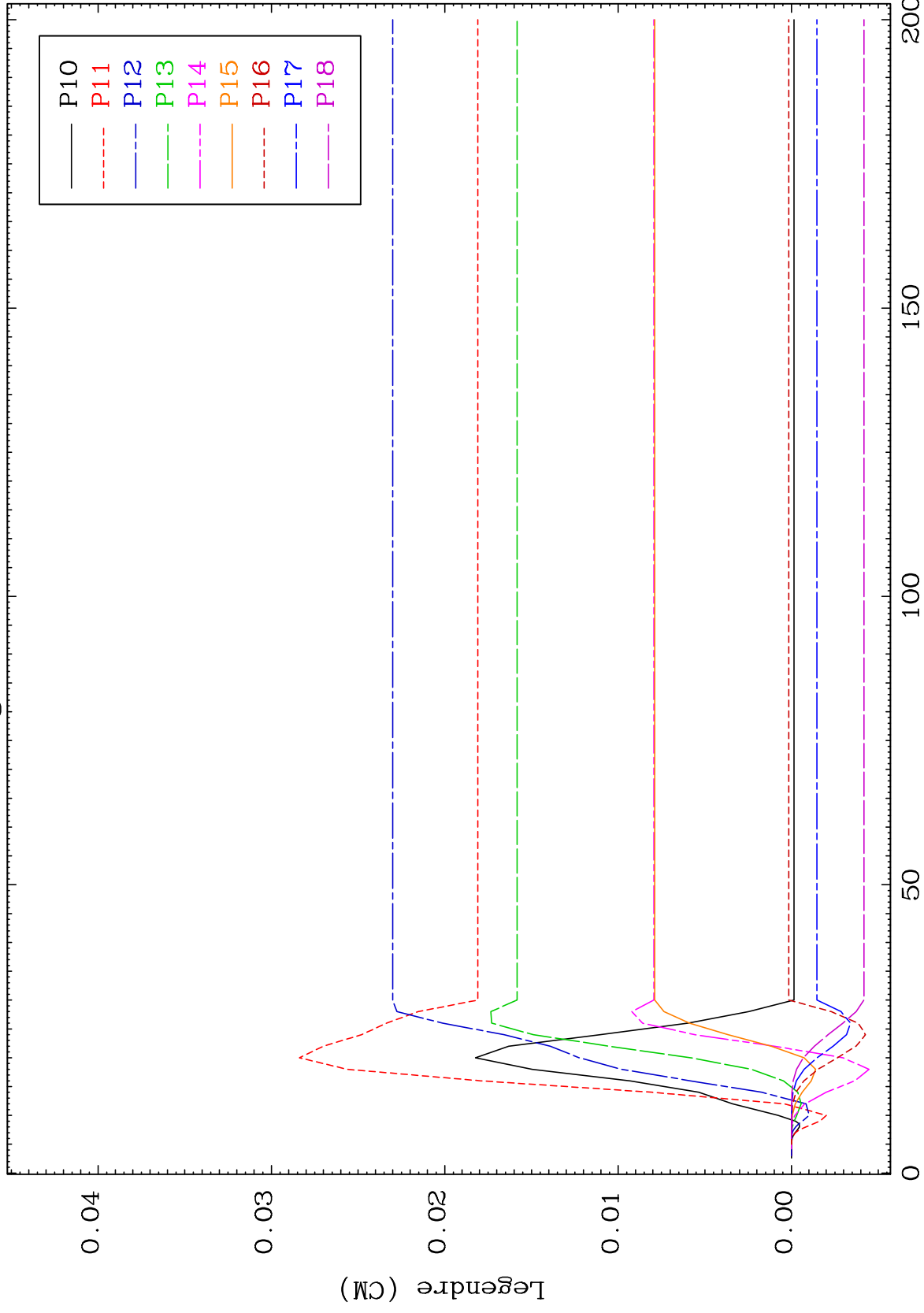
Incident Energy (MeV)

55

MAT 5131

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

51-Sb-123



56

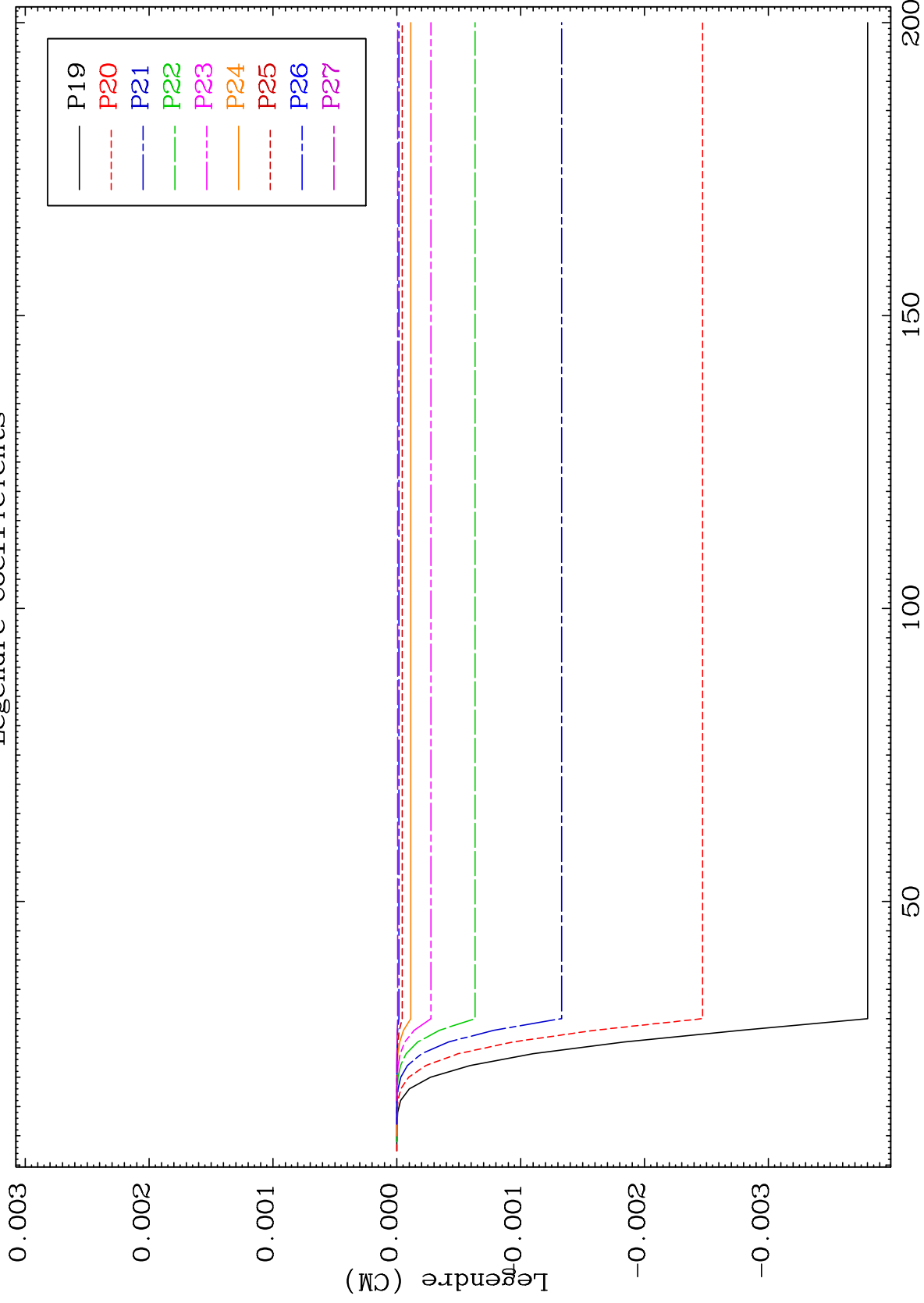
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



57

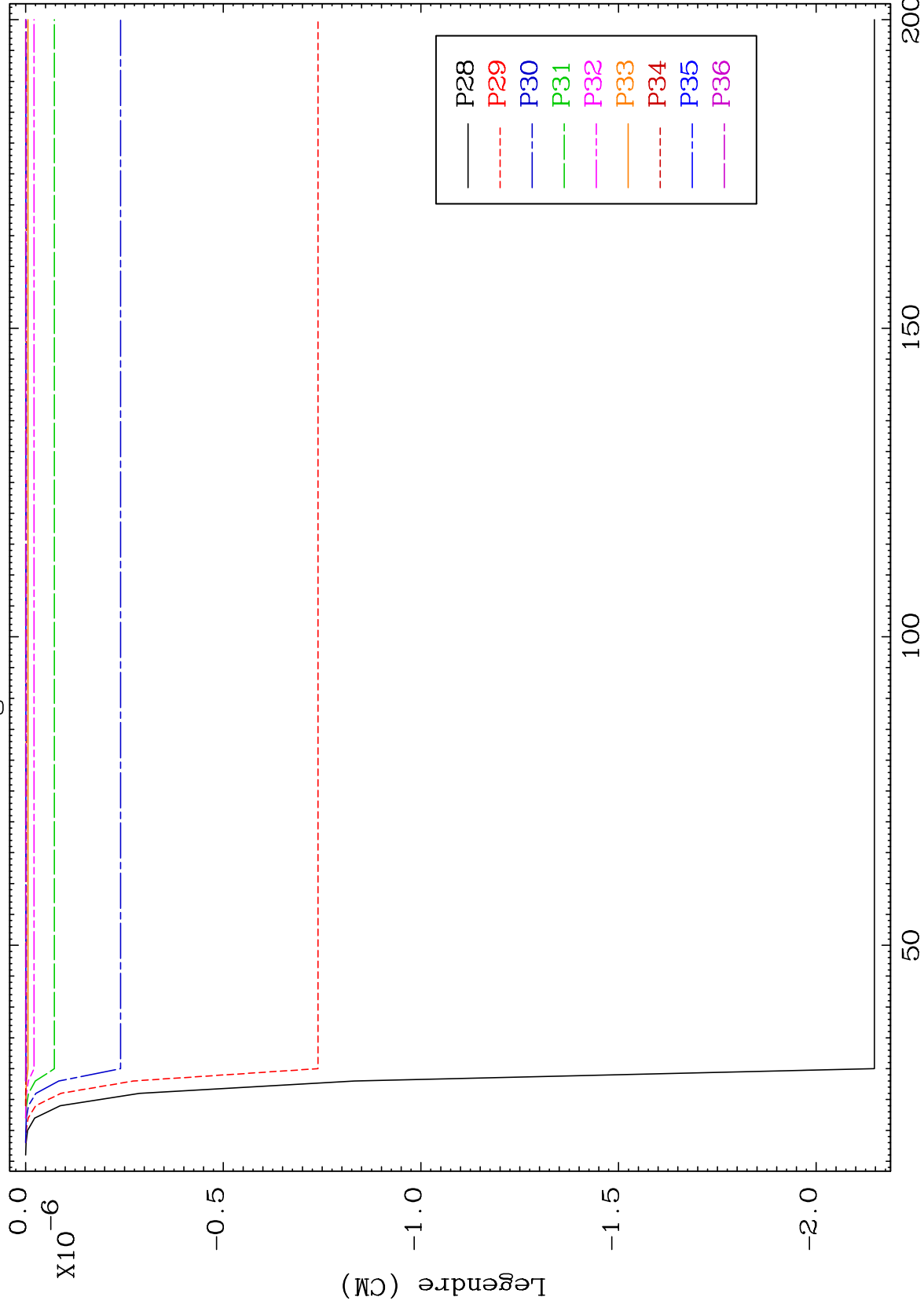
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



58

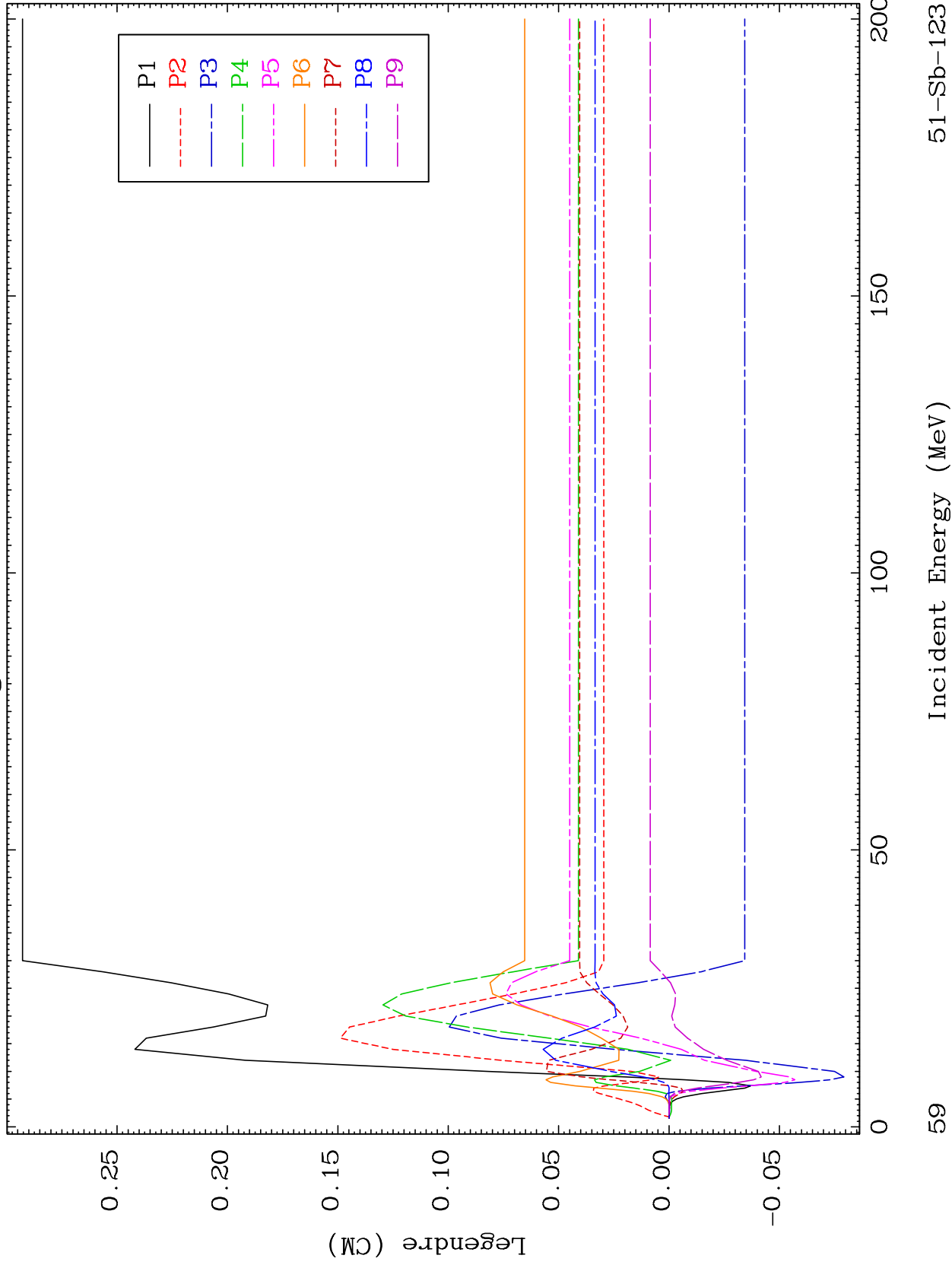
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



51-Sb-123

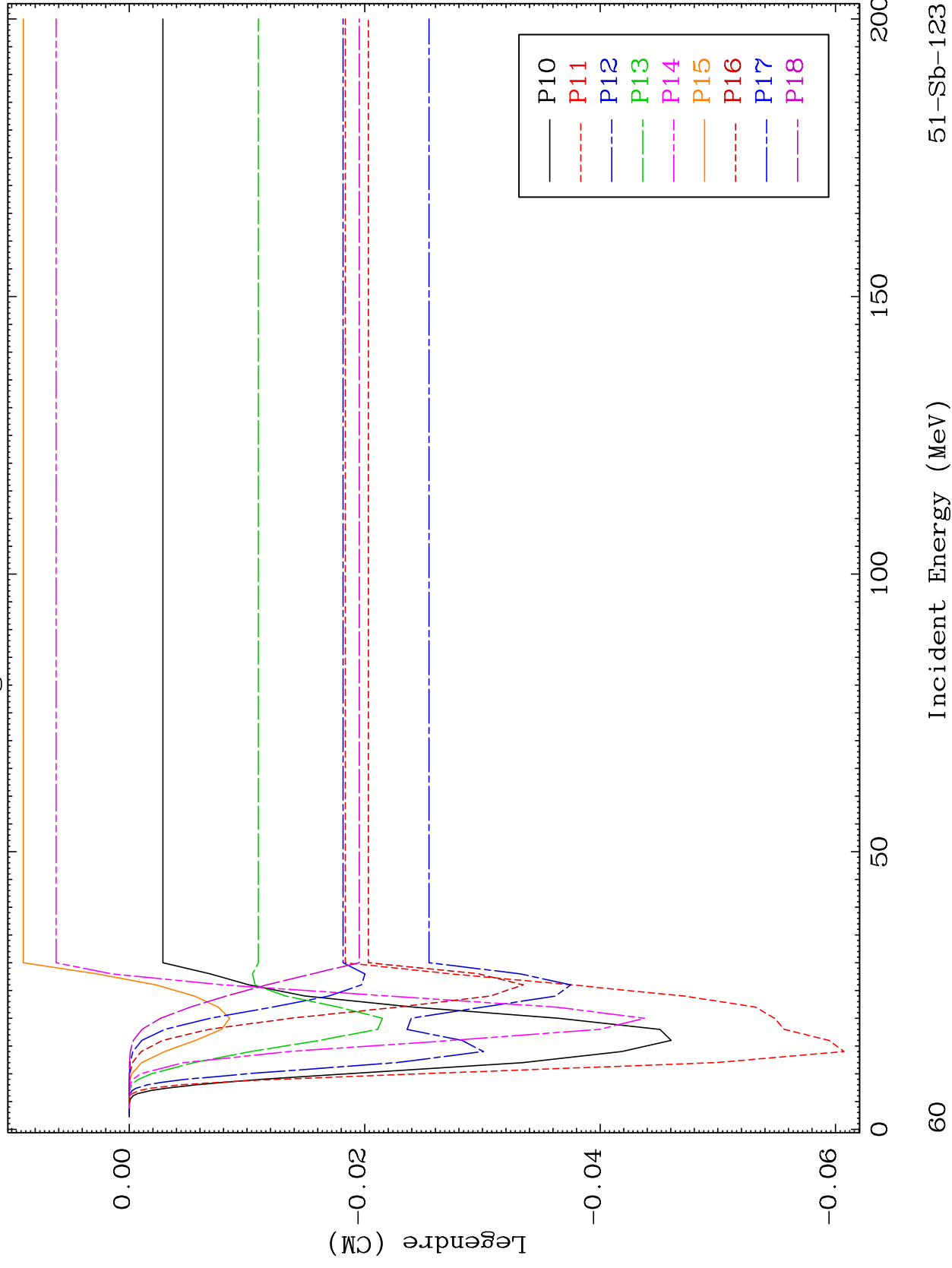
Incident Energy (MeV)

59

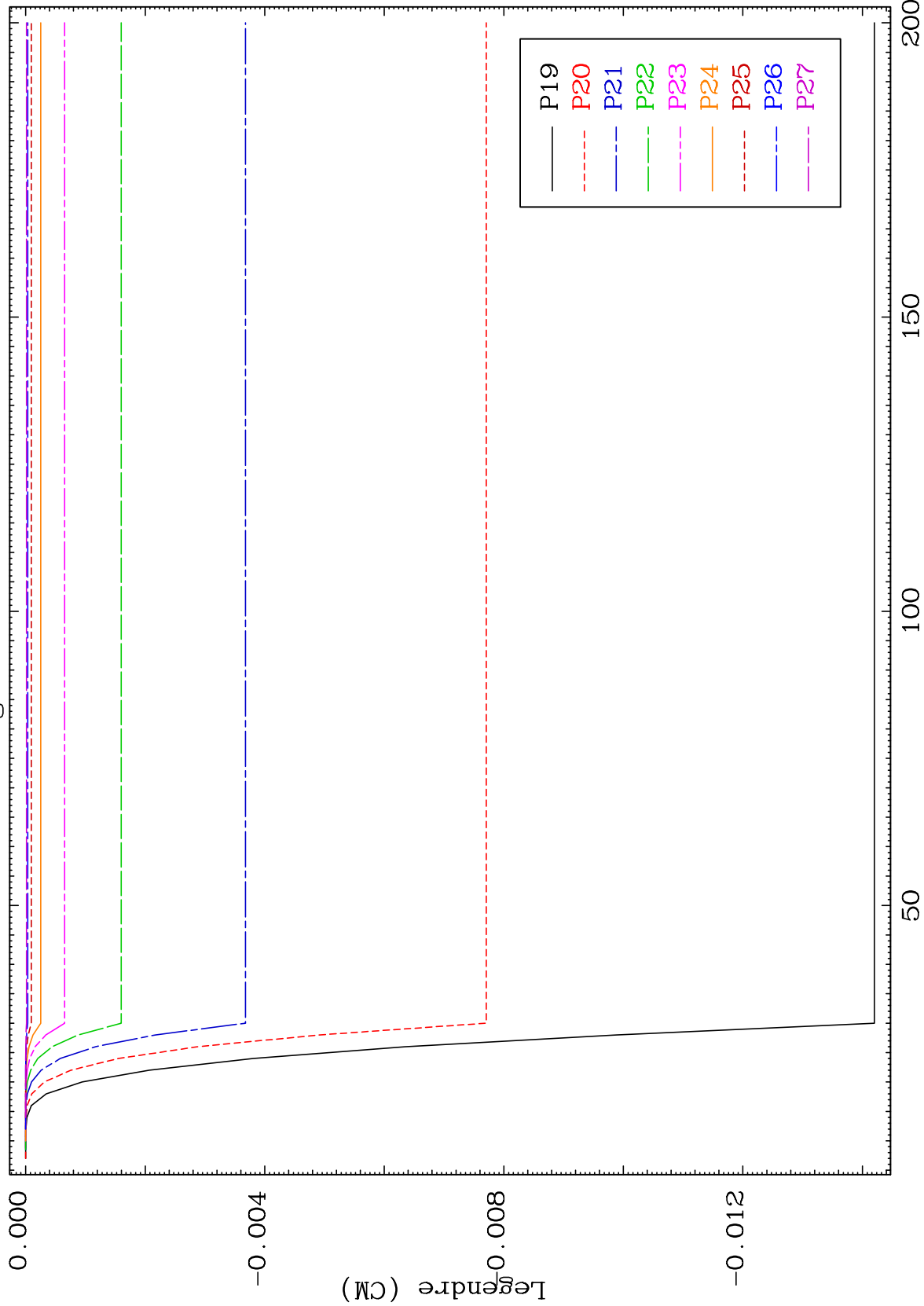
MAT 5131

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

51-Sb-123



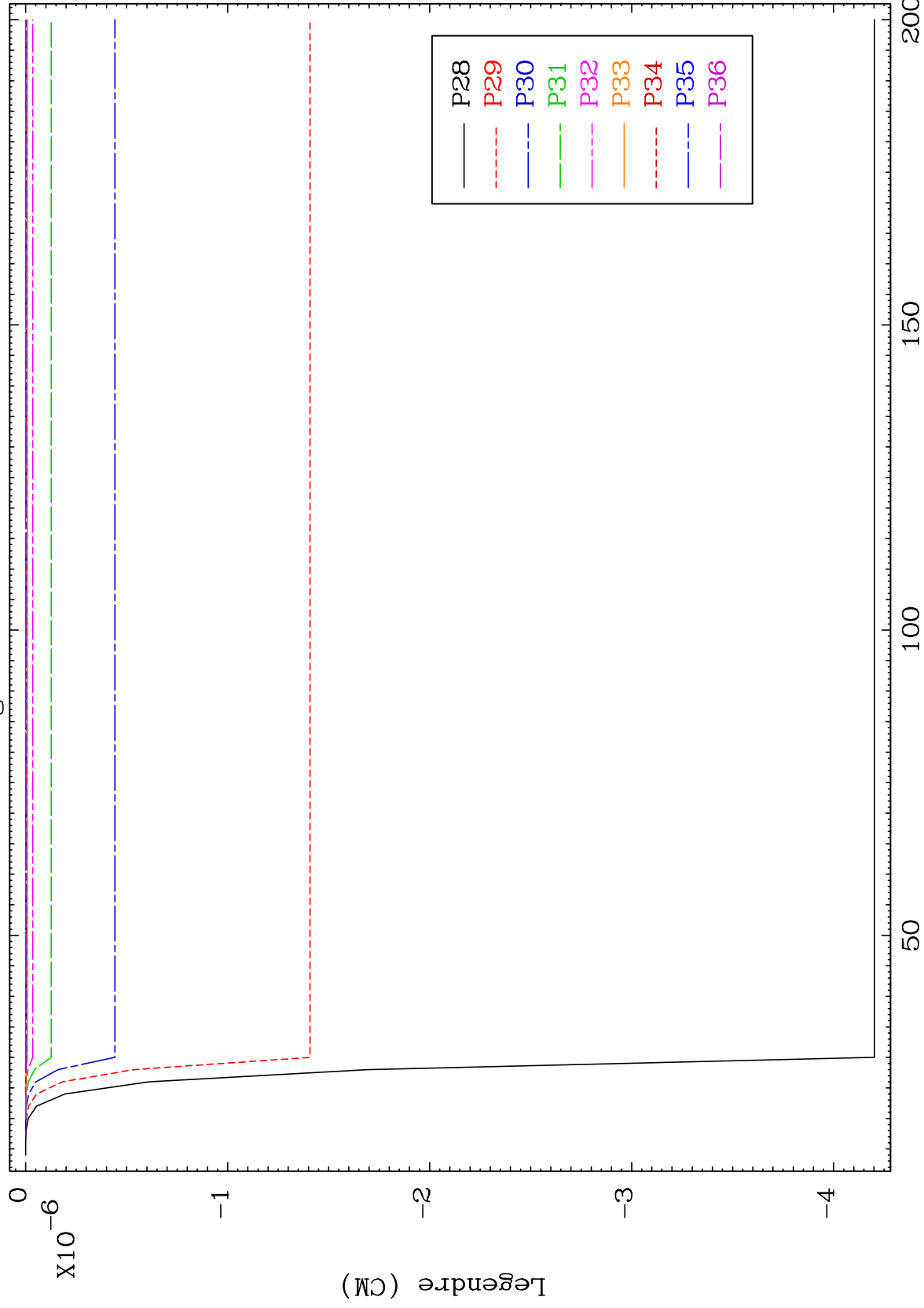
Legendre Coefficients



MAT 5131

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

51-Sb-123



62

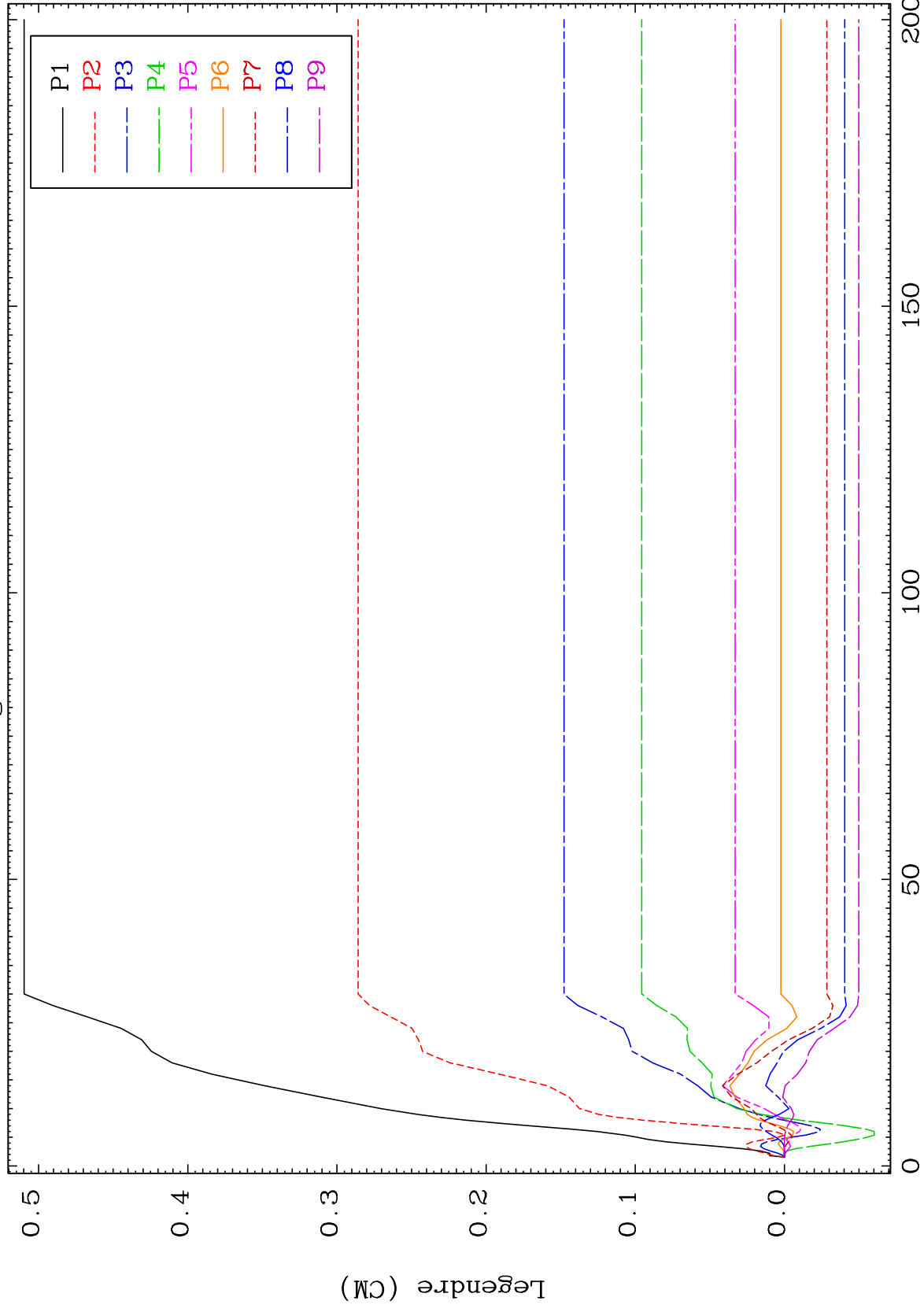
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



63

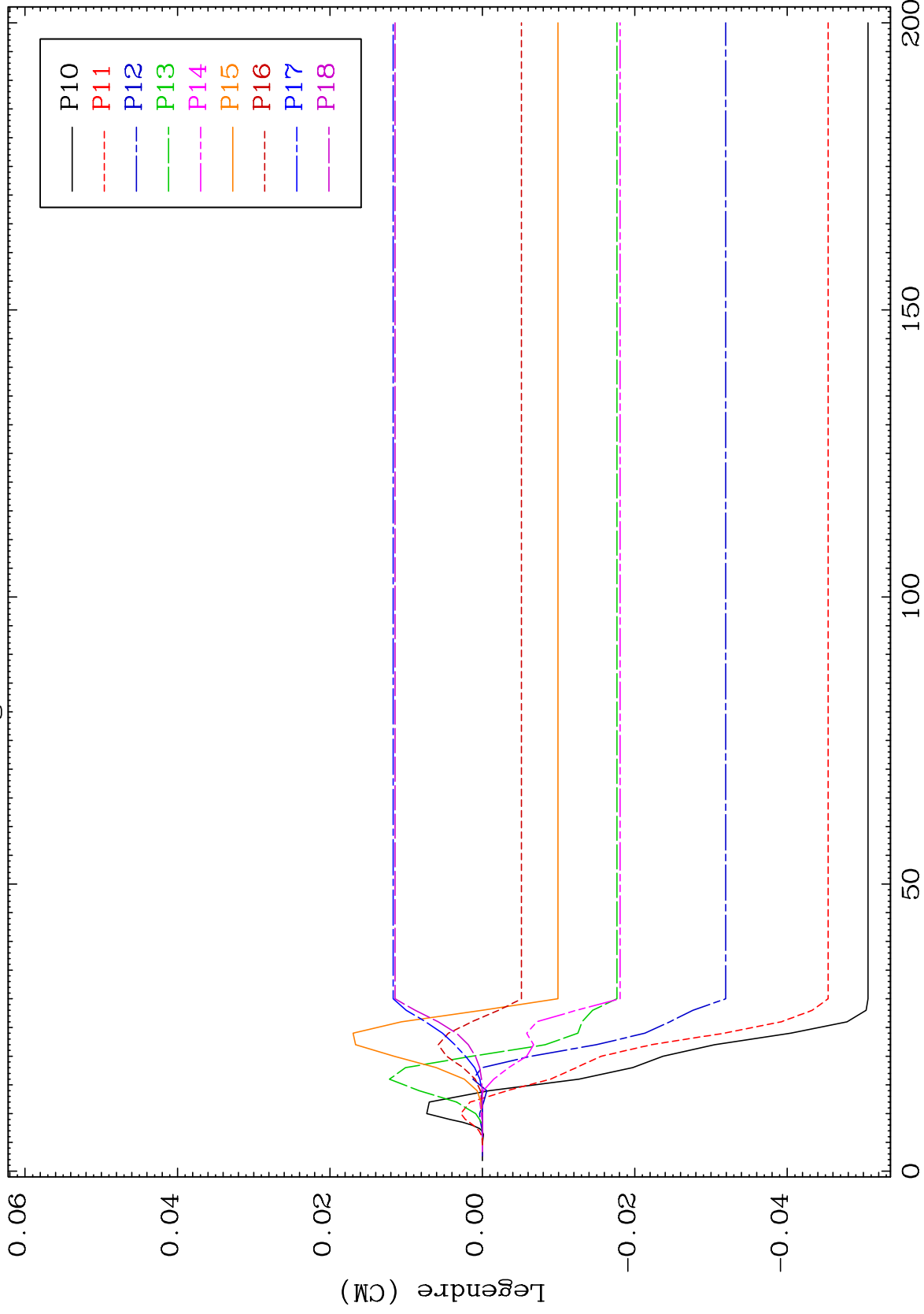
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



64

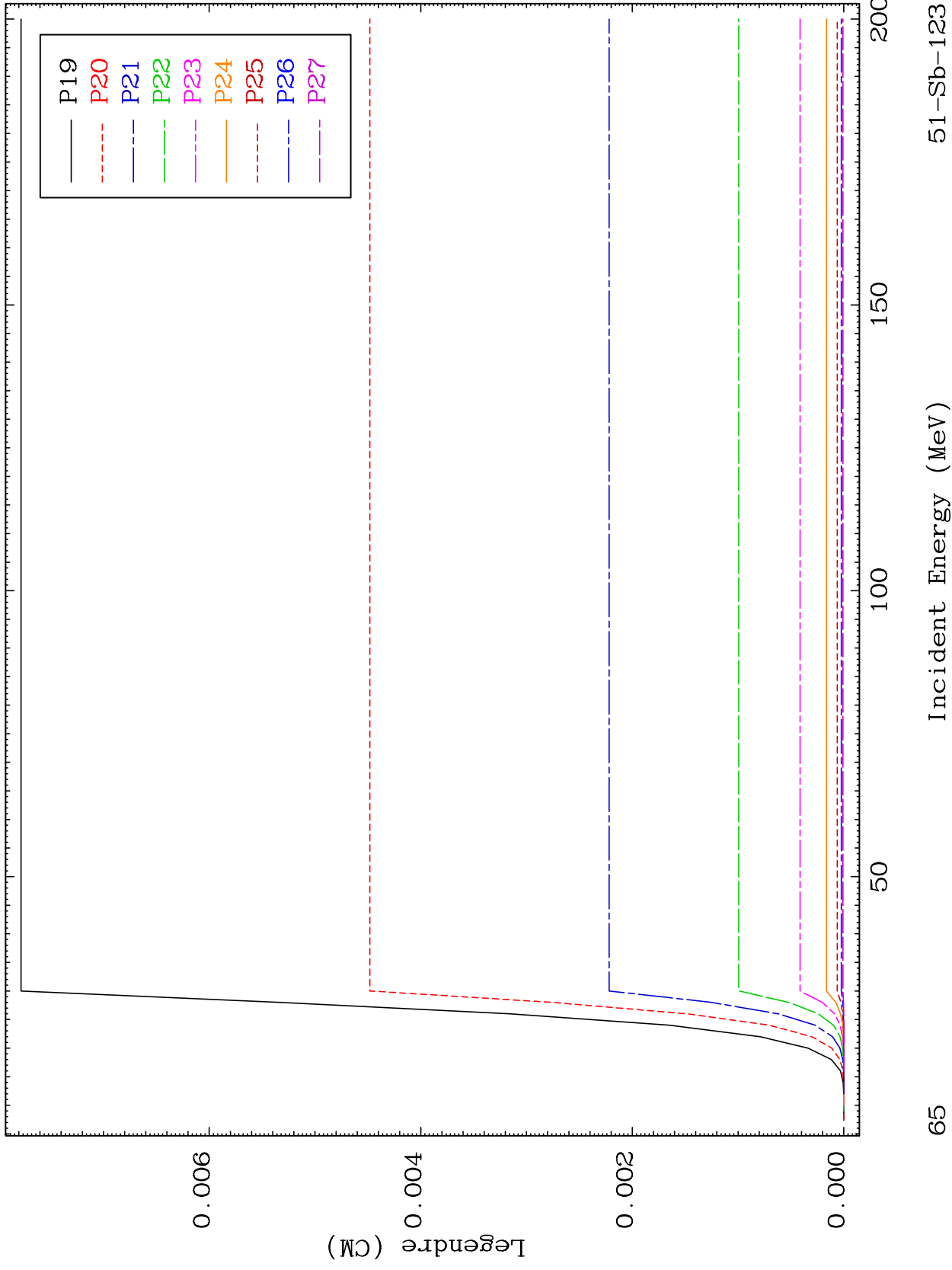
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

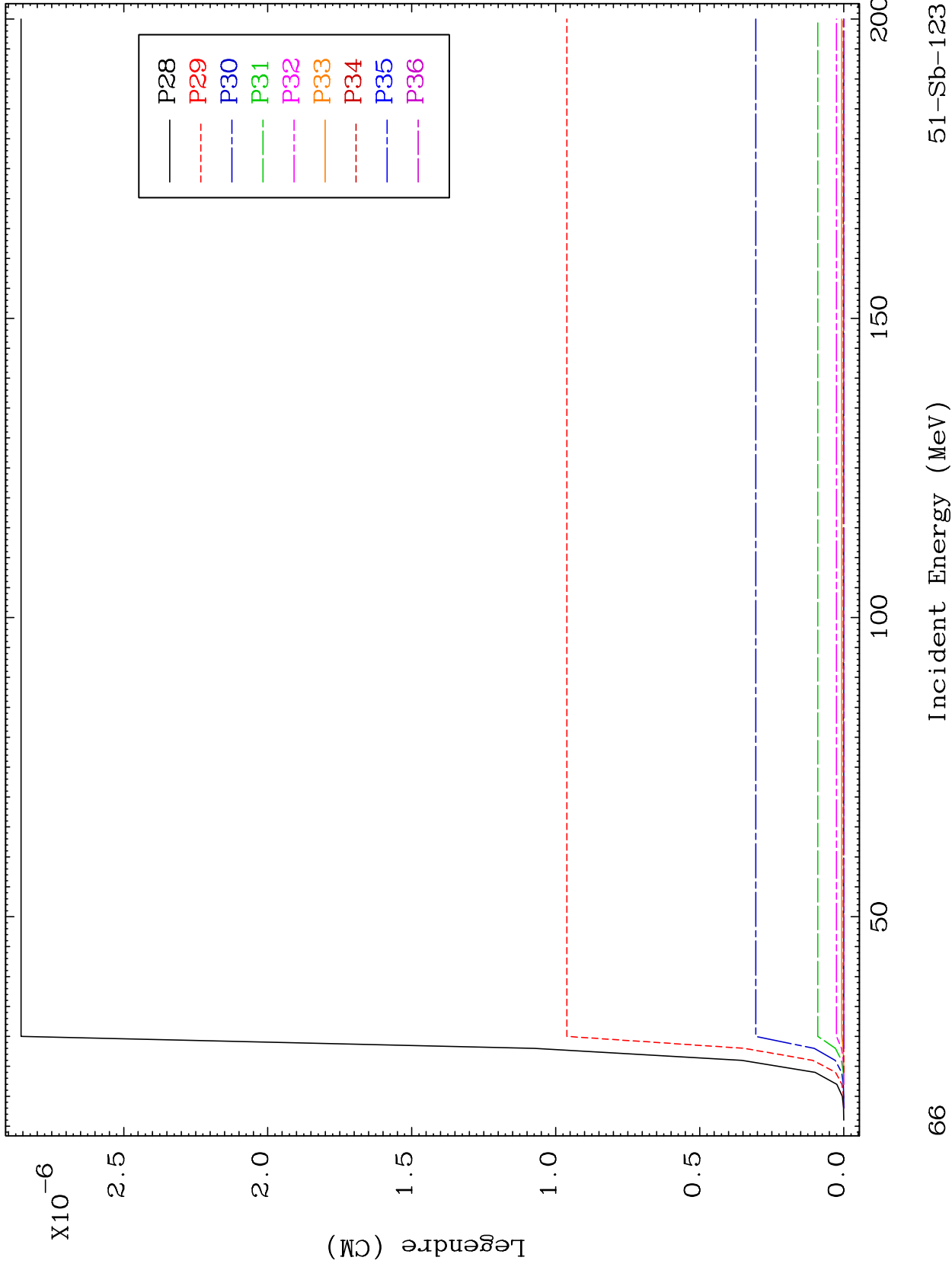
51-Sb-123



65

Incident Energy (MeV)

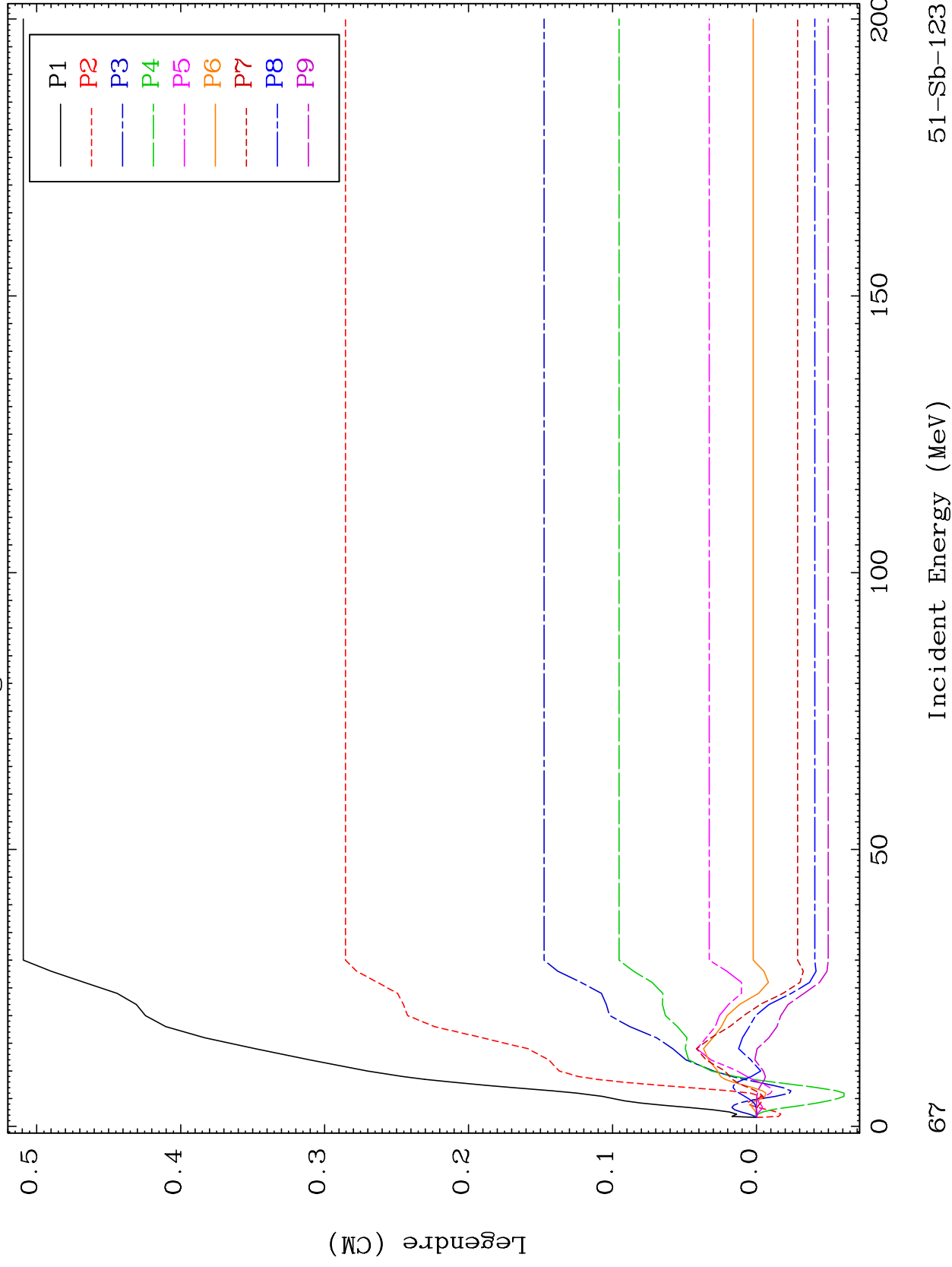
51-Sb-123



MAT 5131

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

51-Sb-123



51-Sb-123

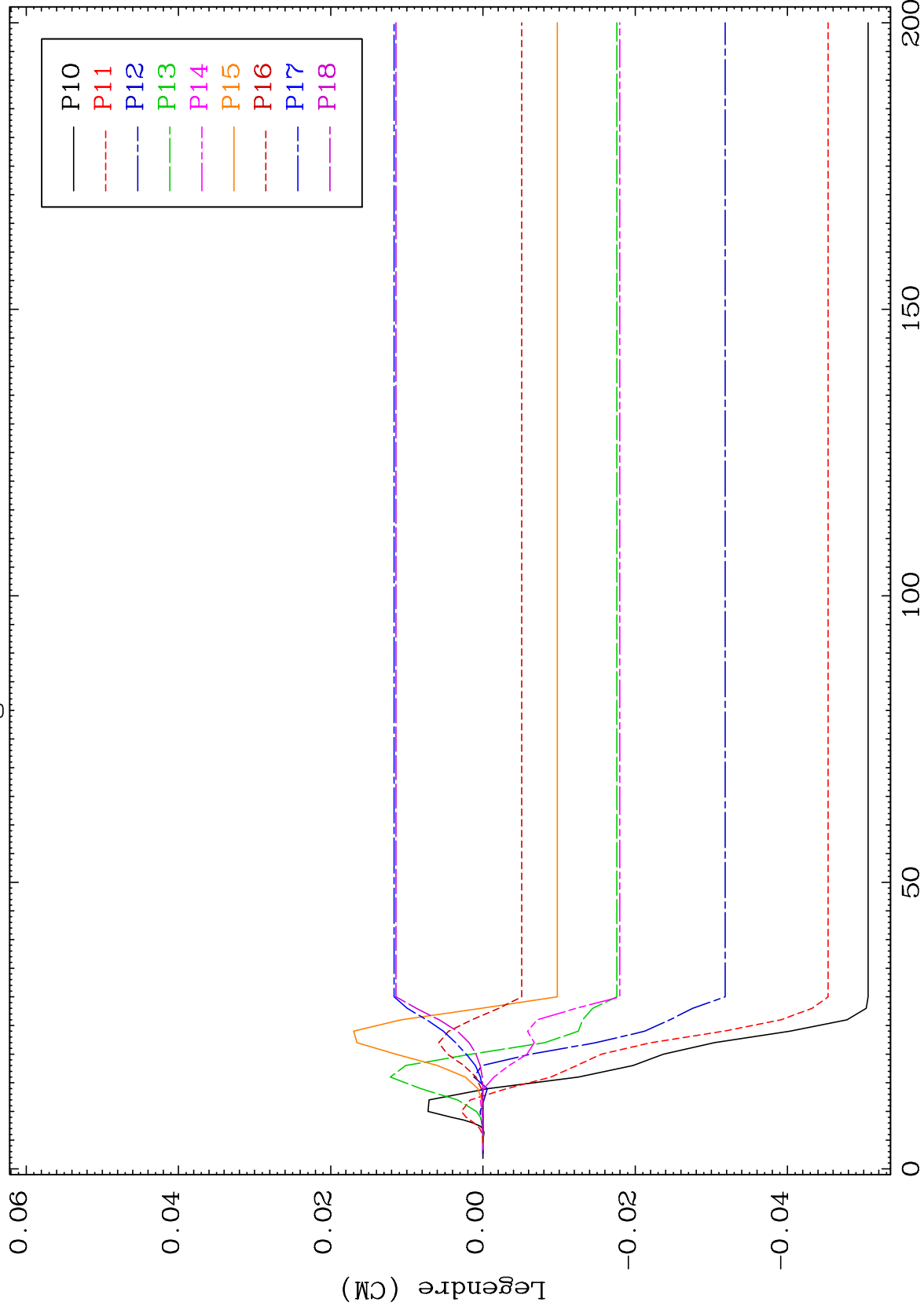
Incident Energy (MeV)

67

MAT 5131

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

51-Sb-123



68

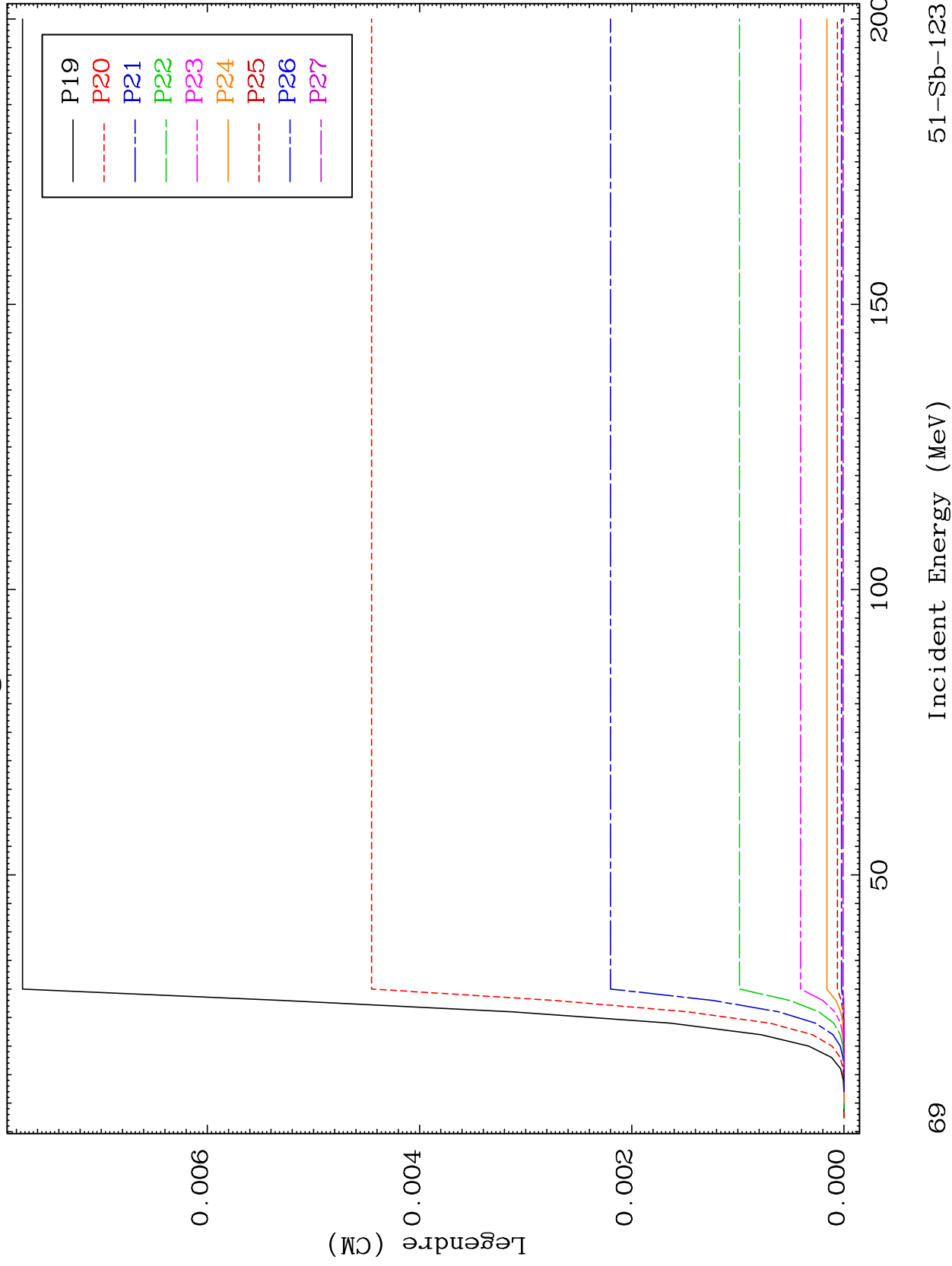
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



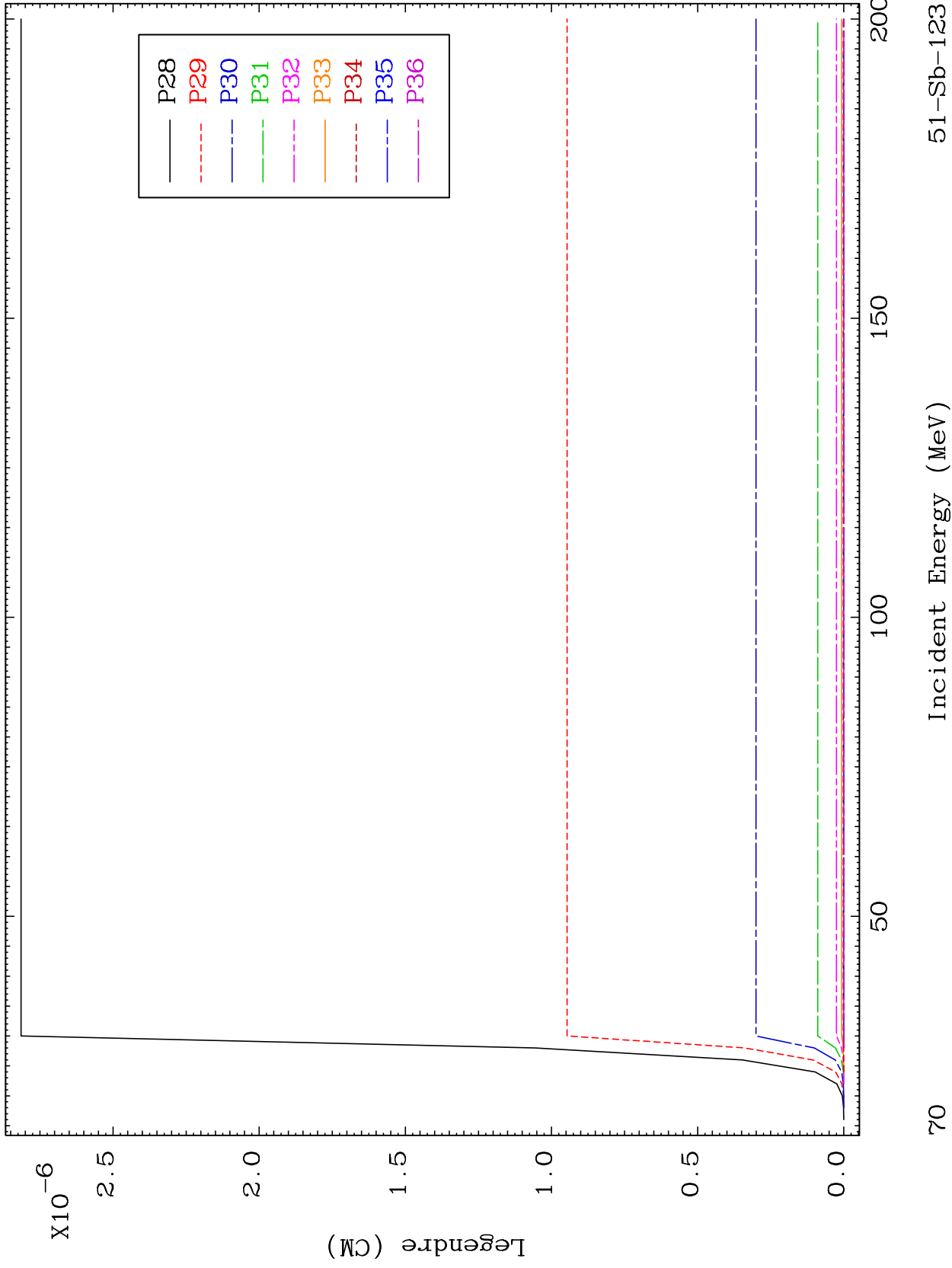
69

51-Sb-123

MAT 5131

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

51-Sb-123



70

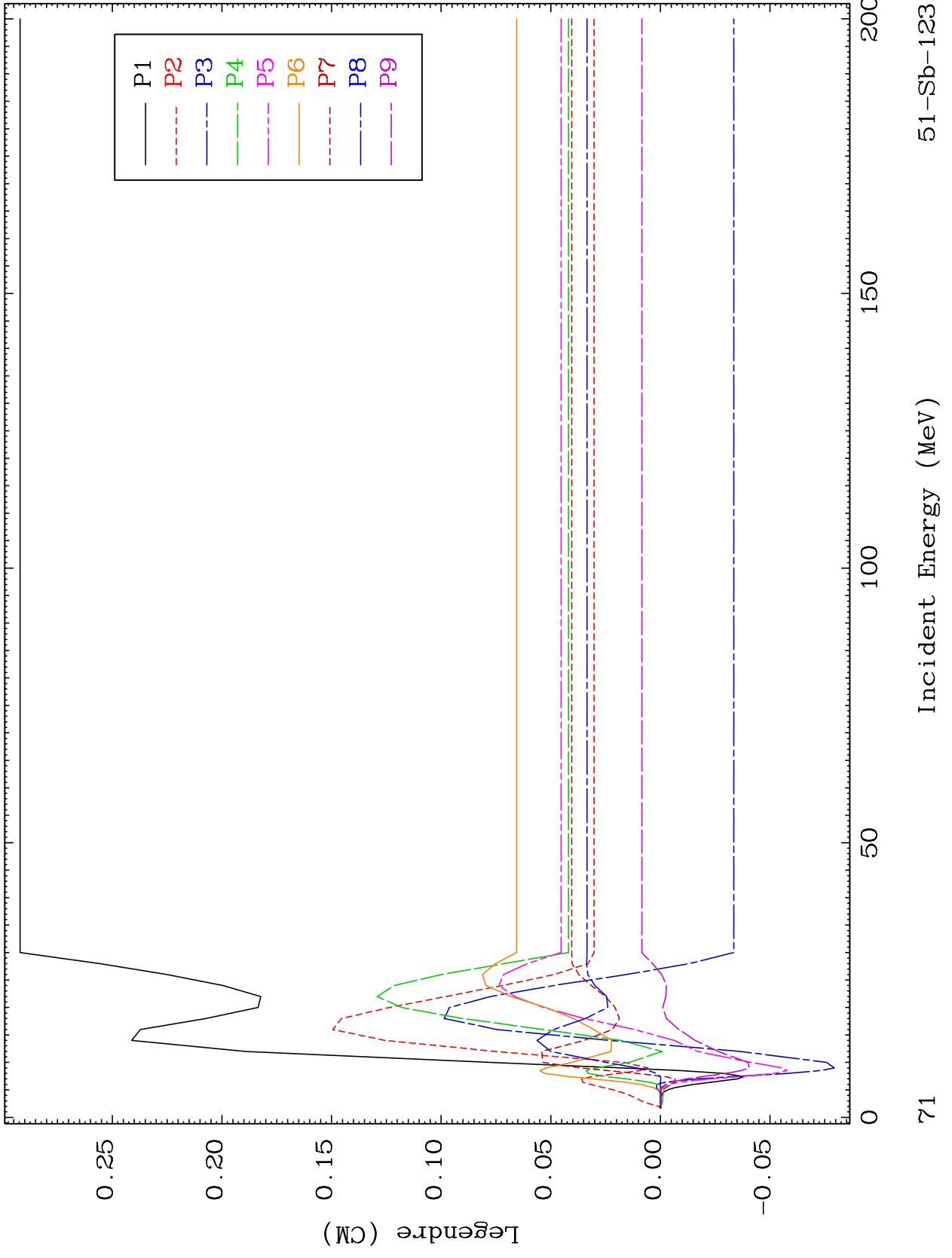
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



71

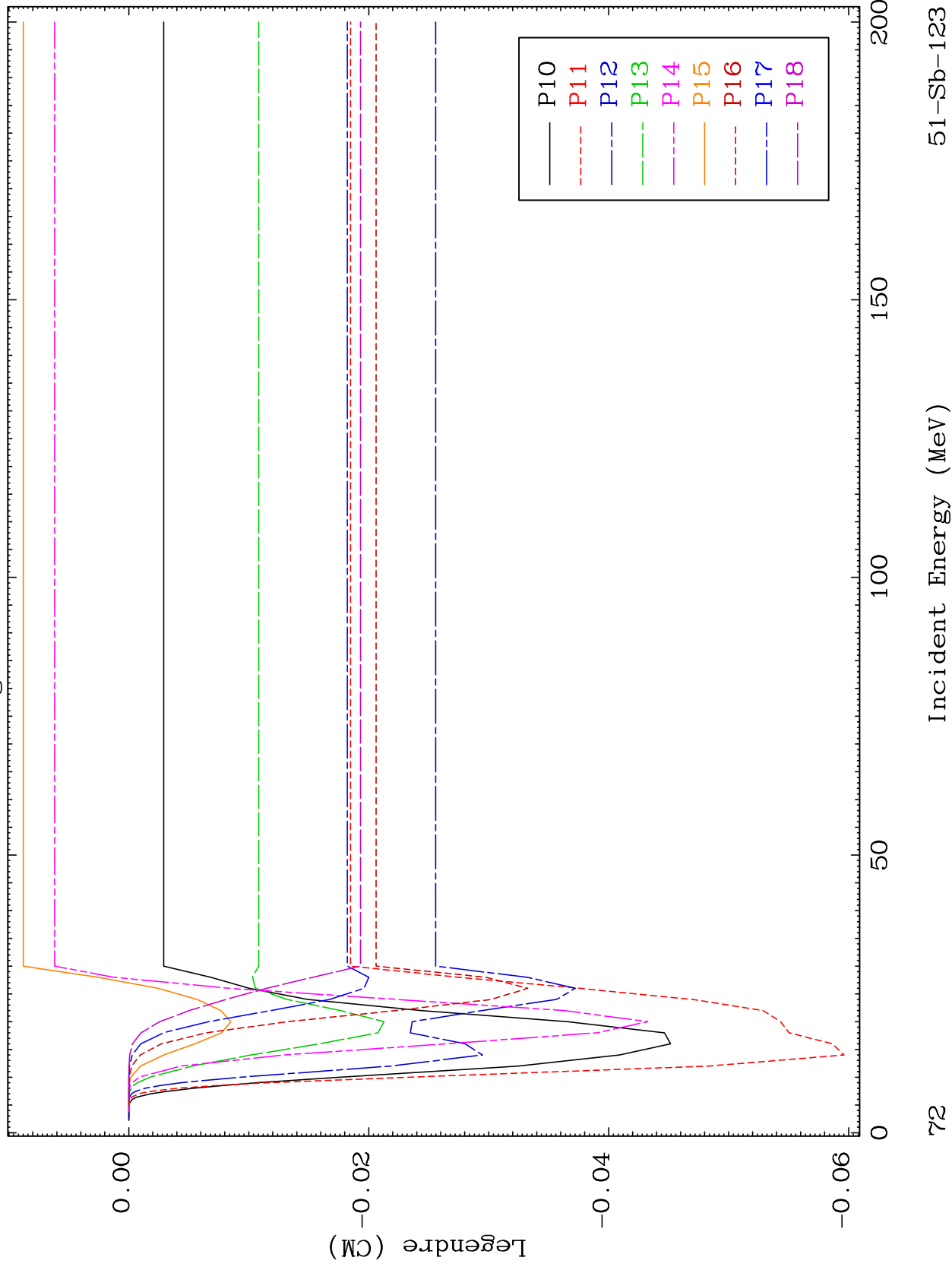
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123

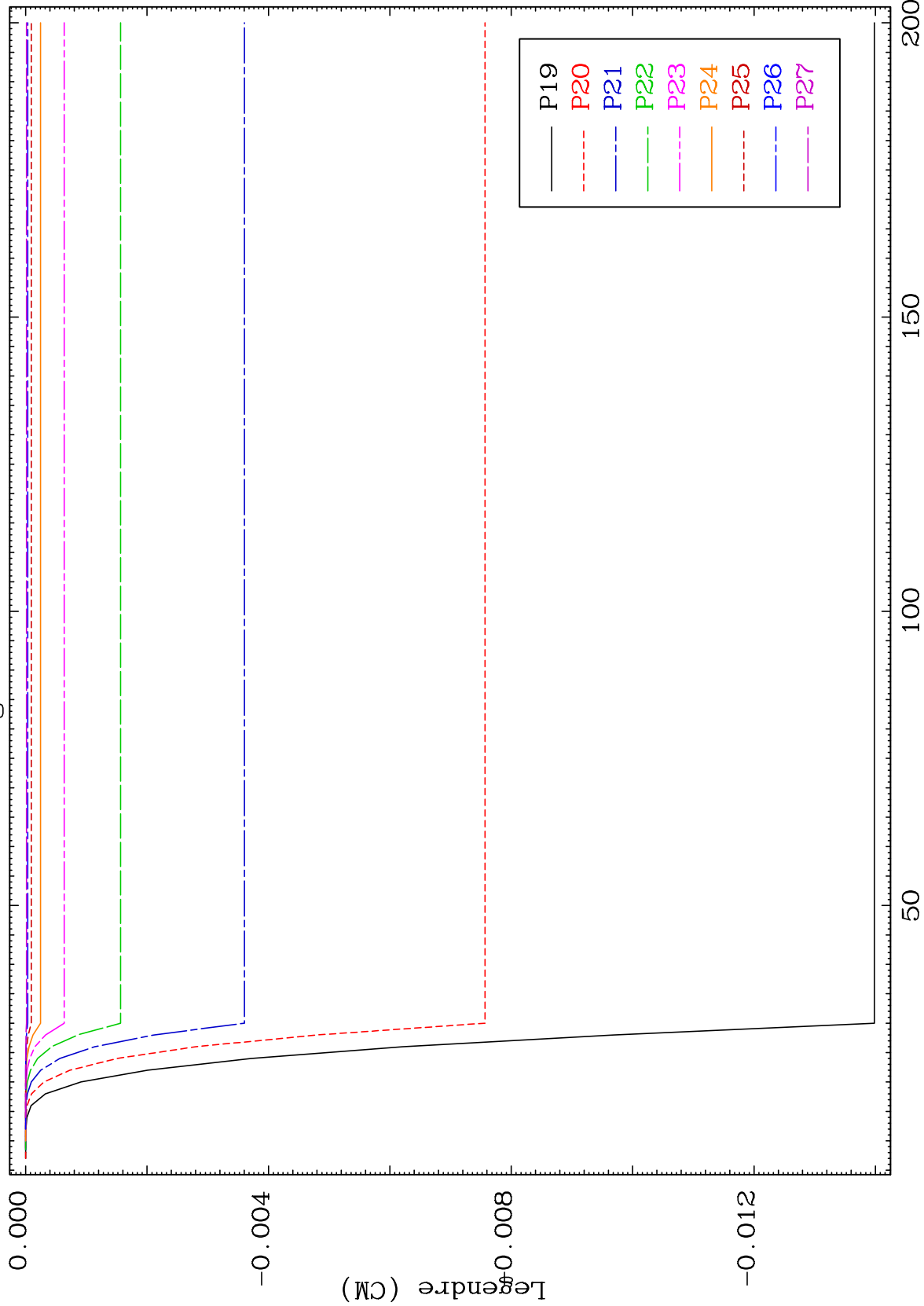


72

Incident Energy (MeV)

51-Sb-123

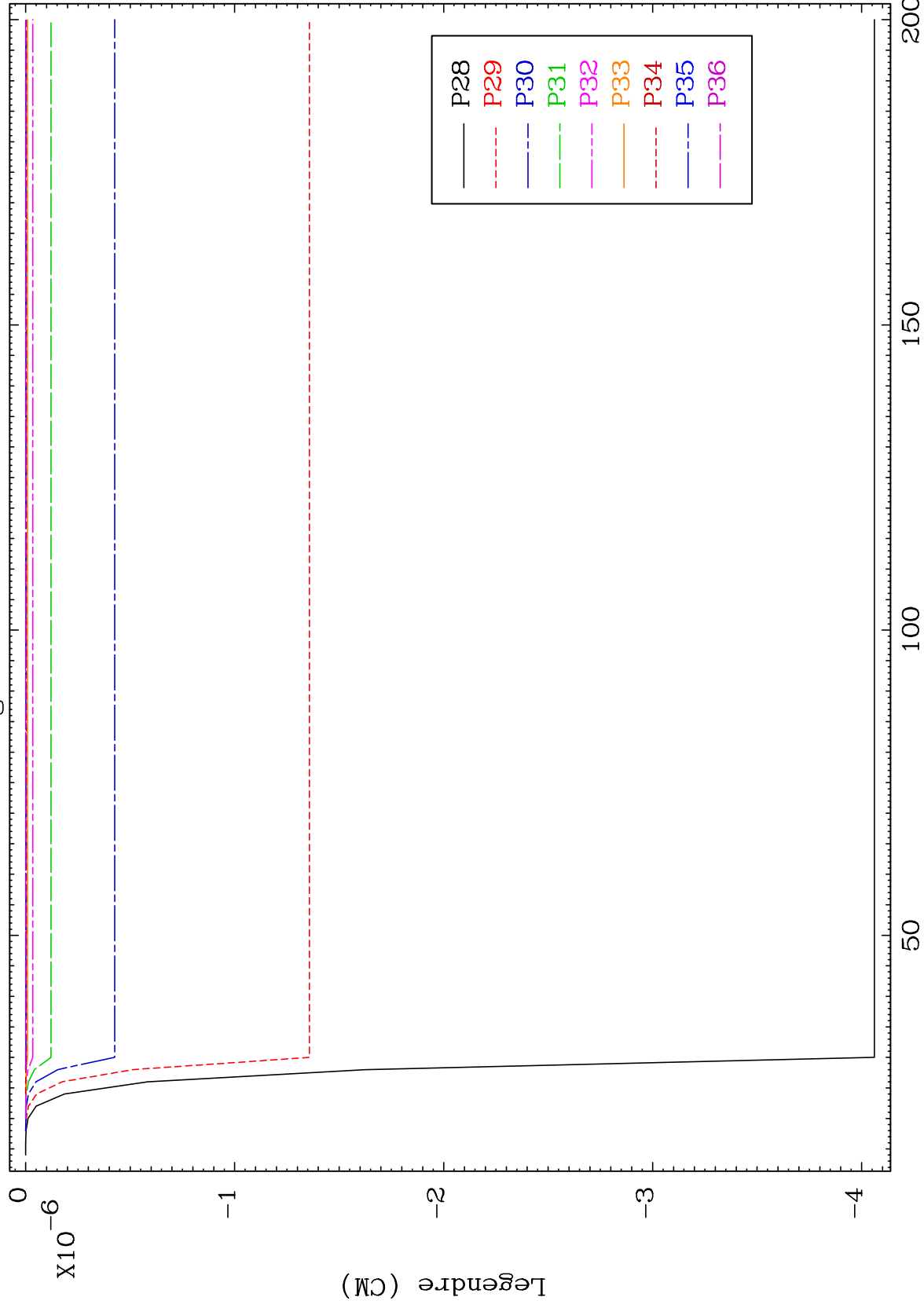
Legendre Coefficients



MAT 5131

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

51-Sb-123



74

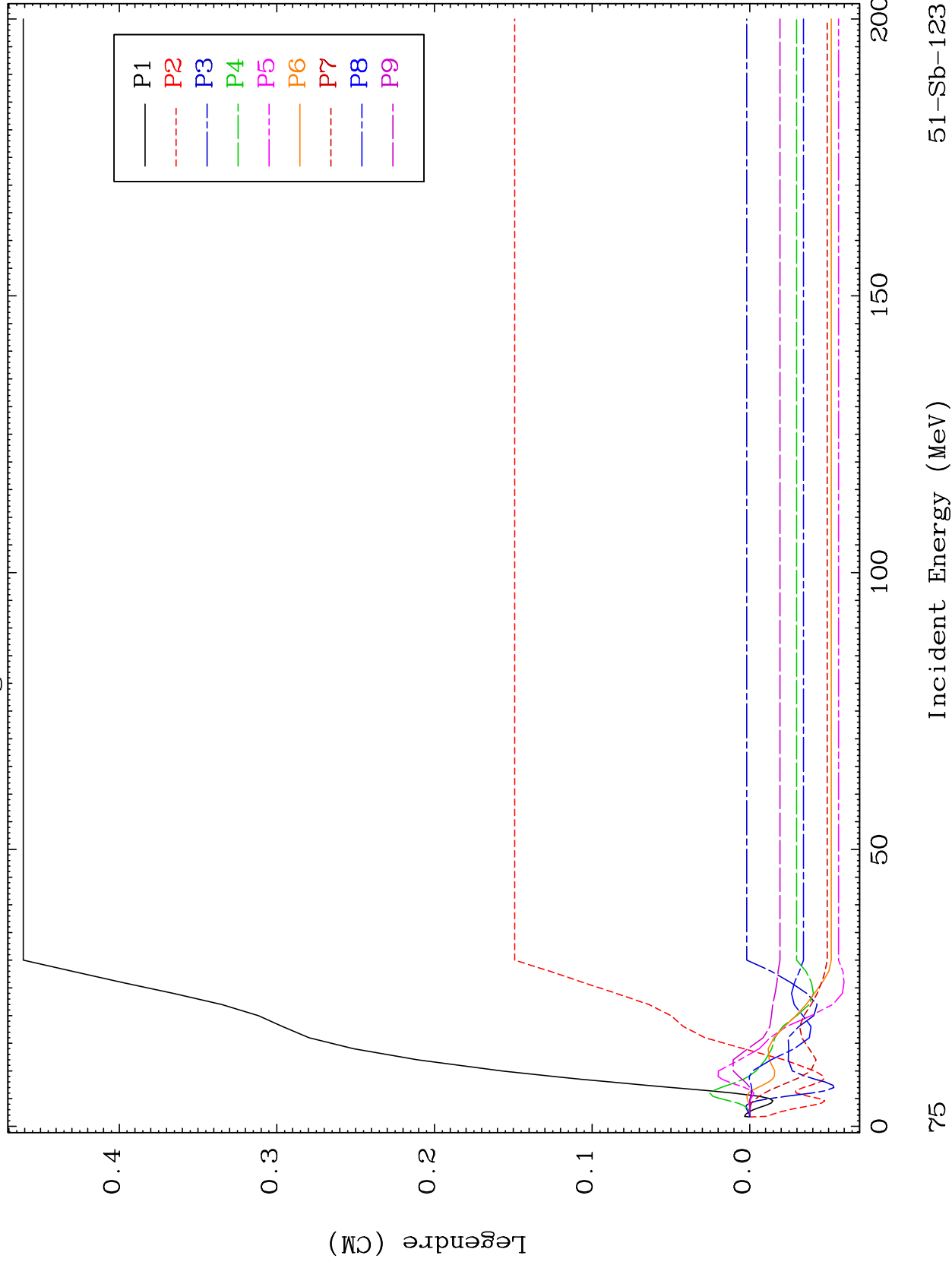
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



51-Sb-123

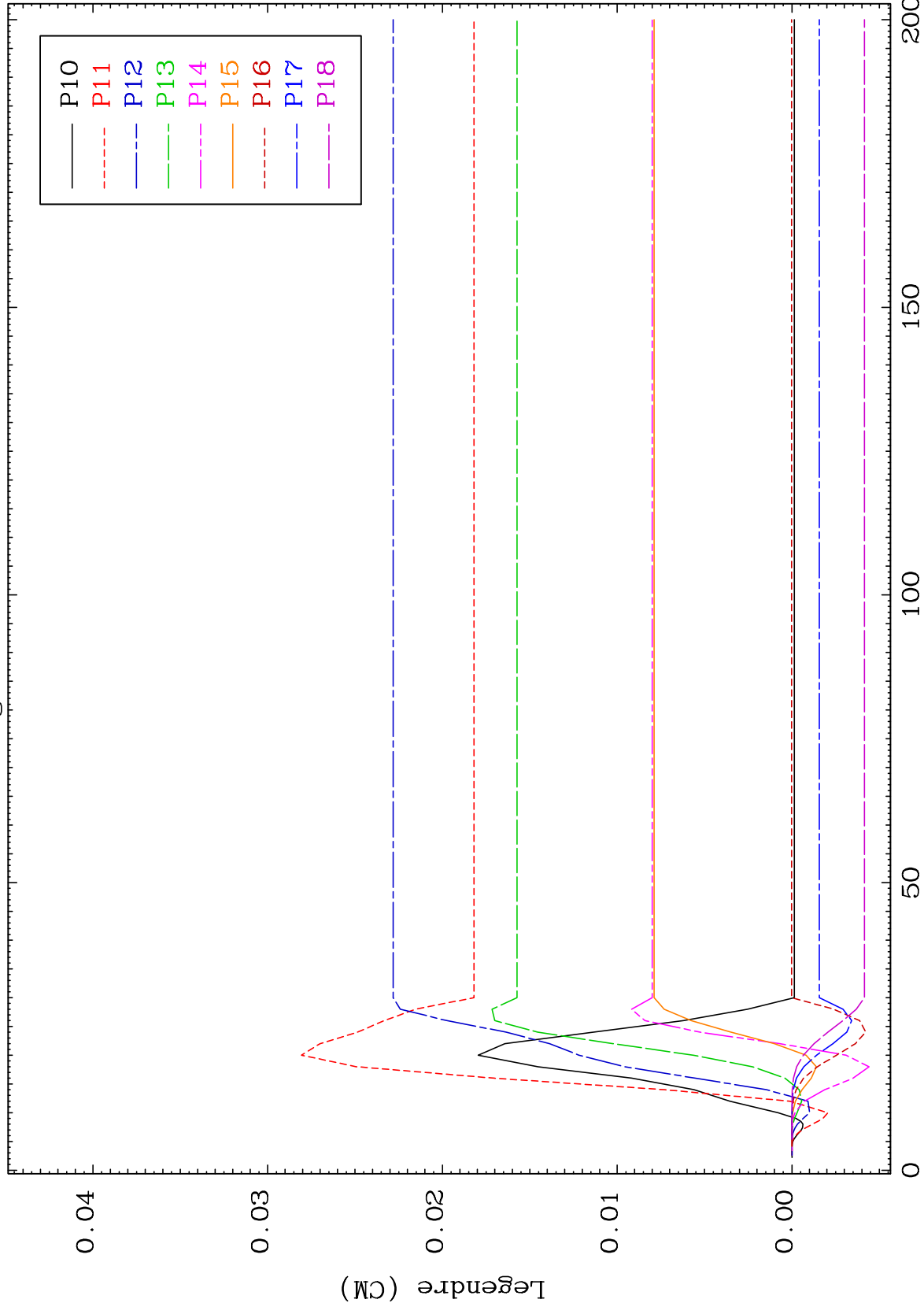
Incident Energy (MeV)

75

MAT 5131

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

51-Sb-123



76

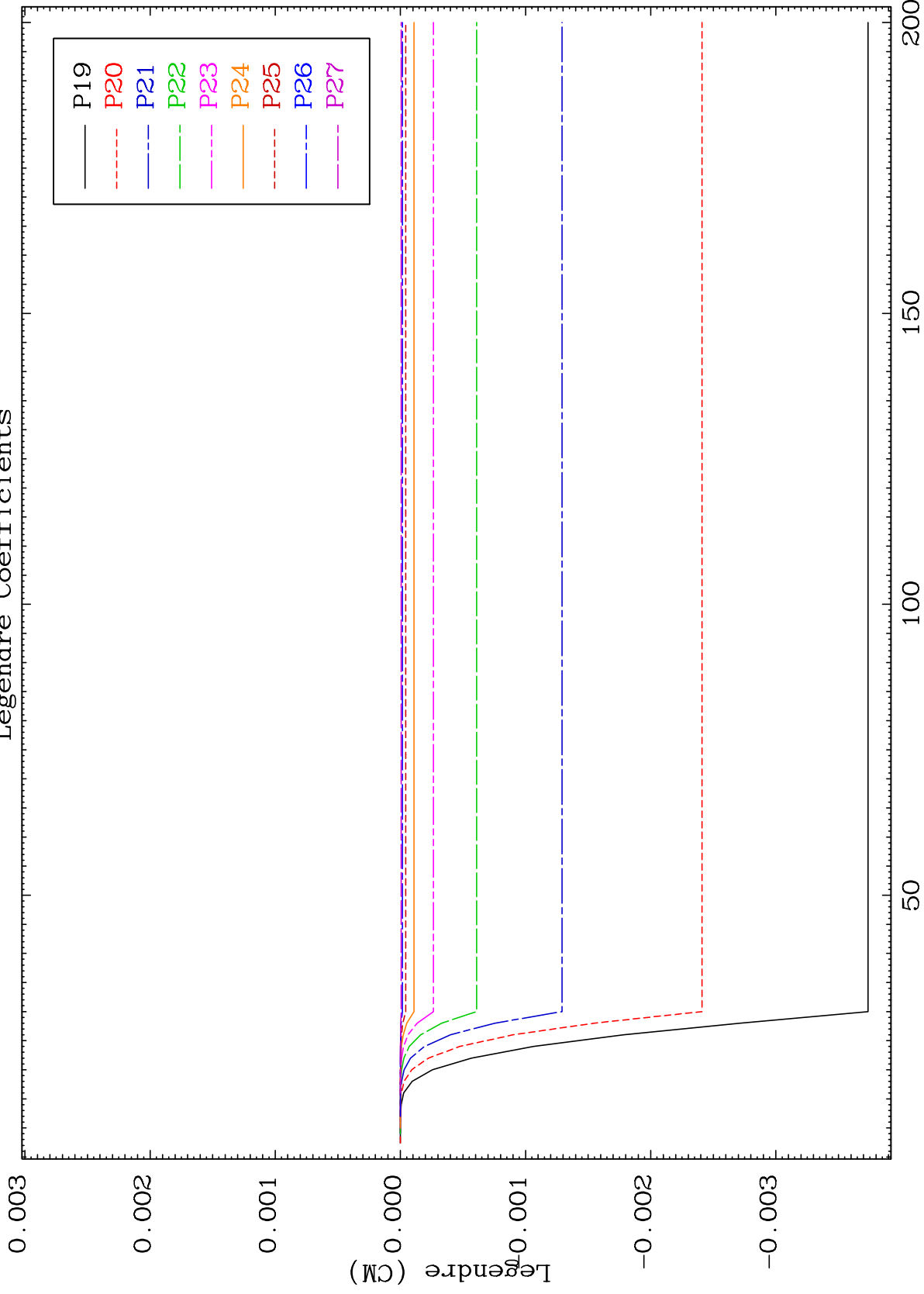
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



77

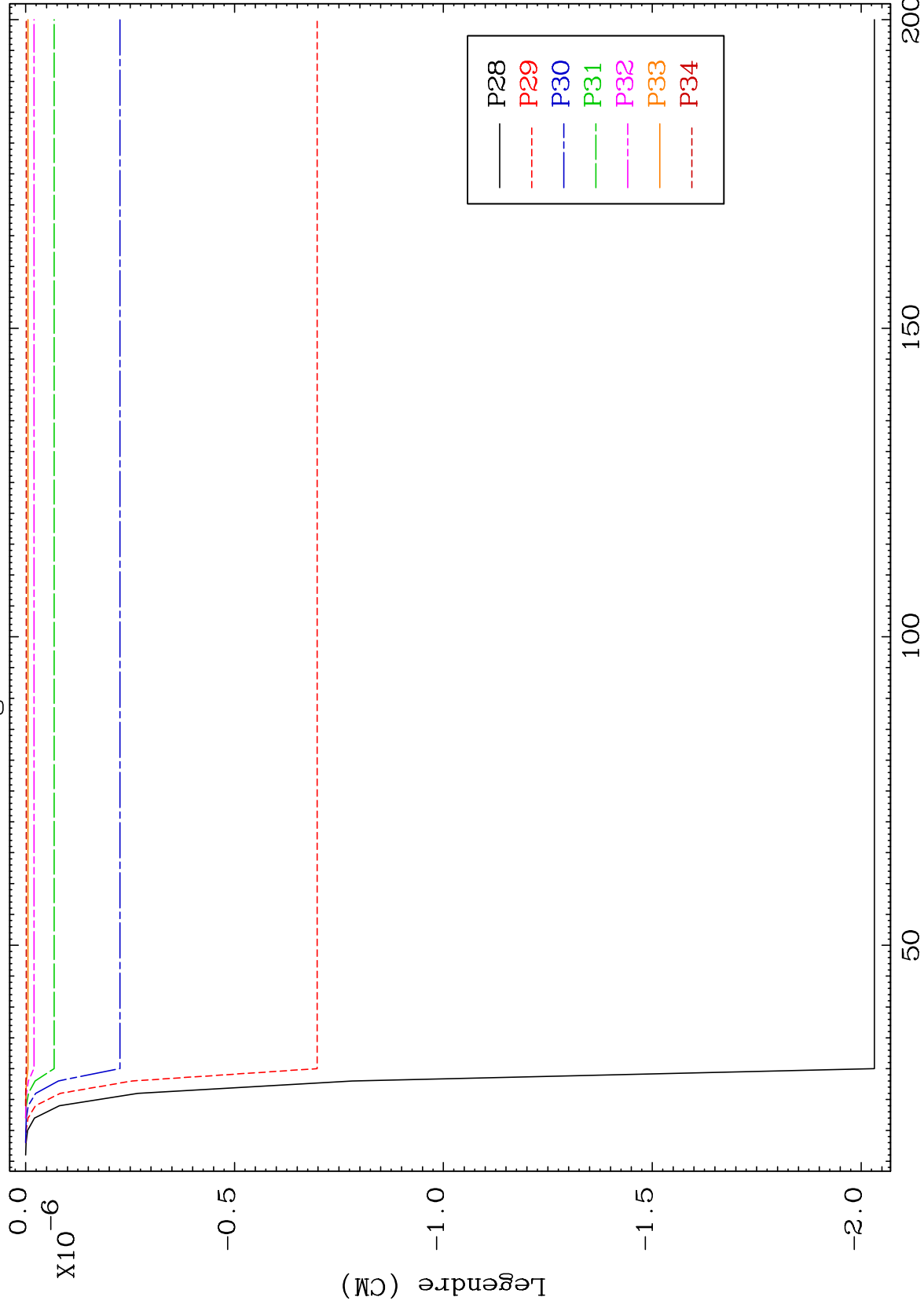
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



78

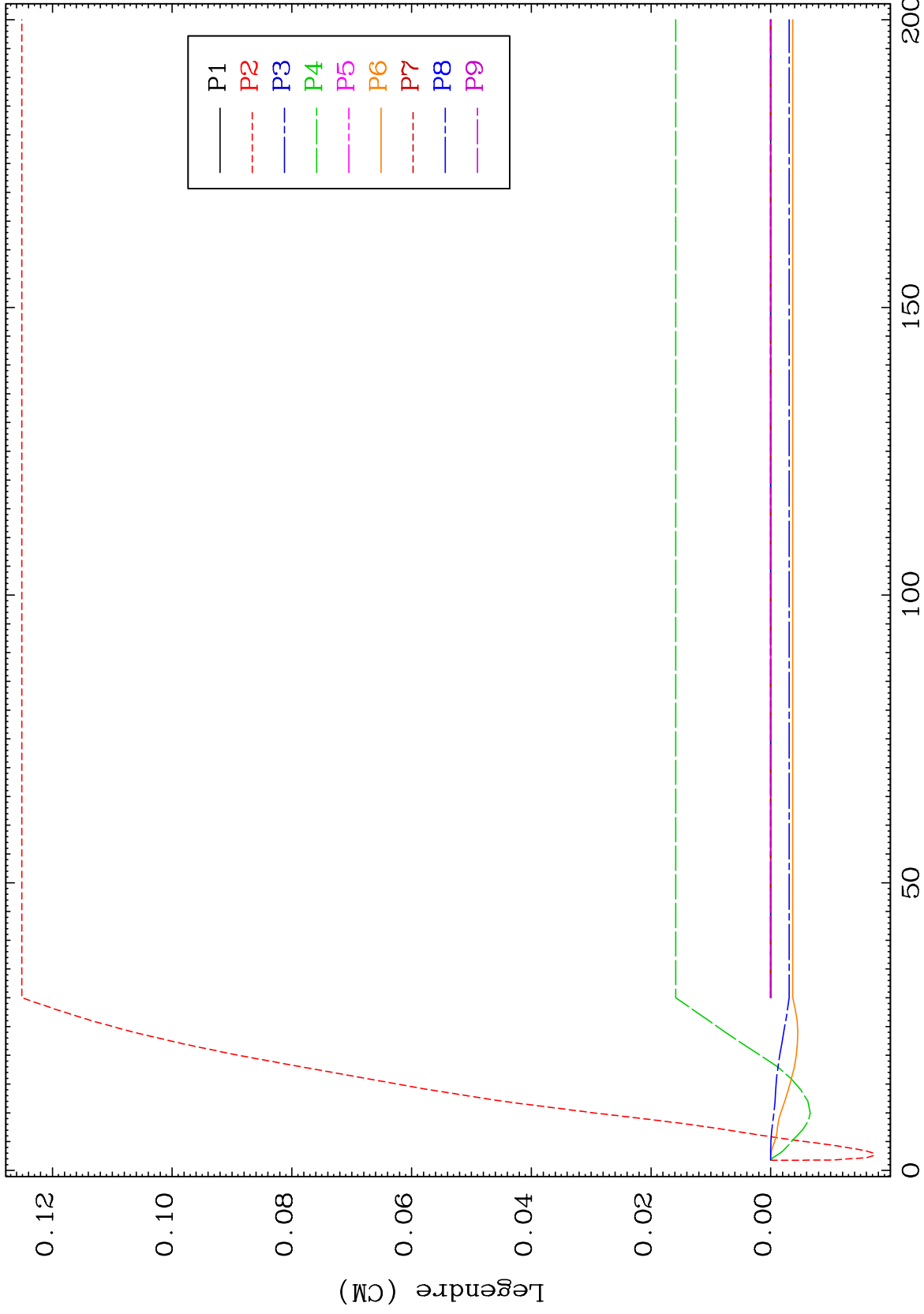
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



51-Sb-123

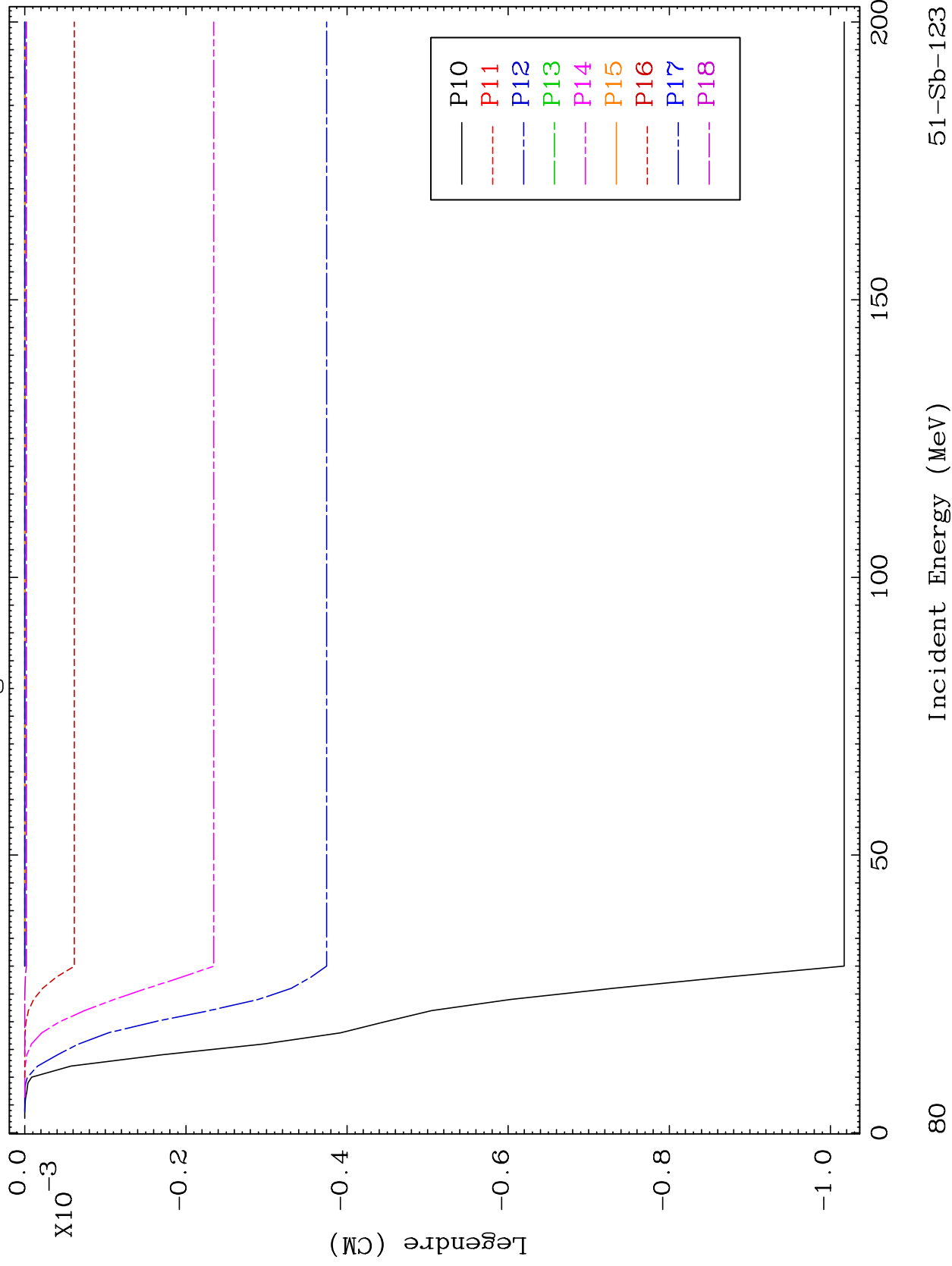
Incident Energy (MeV)

79

MAT 5131

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

51-Sb-123



80

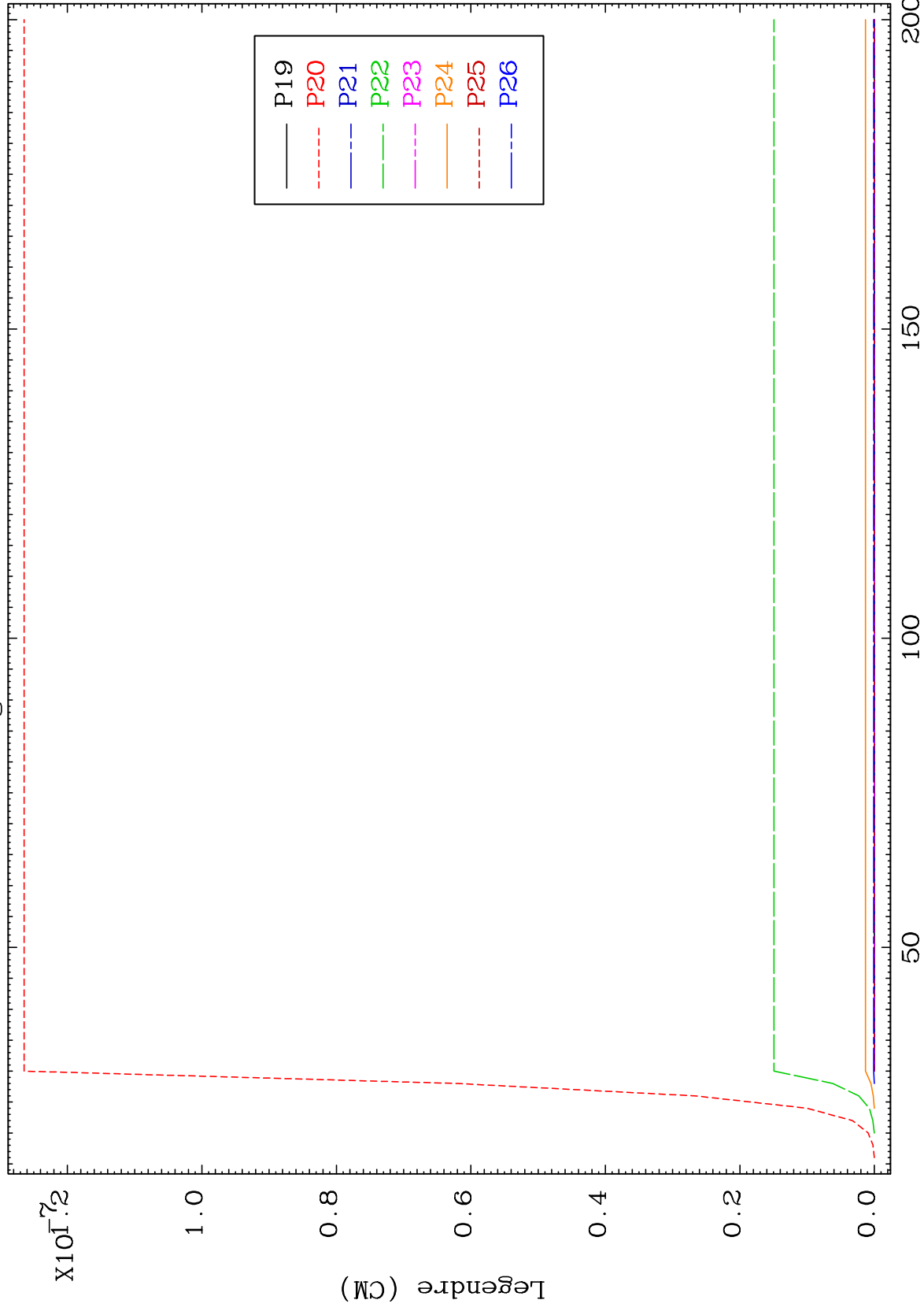
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

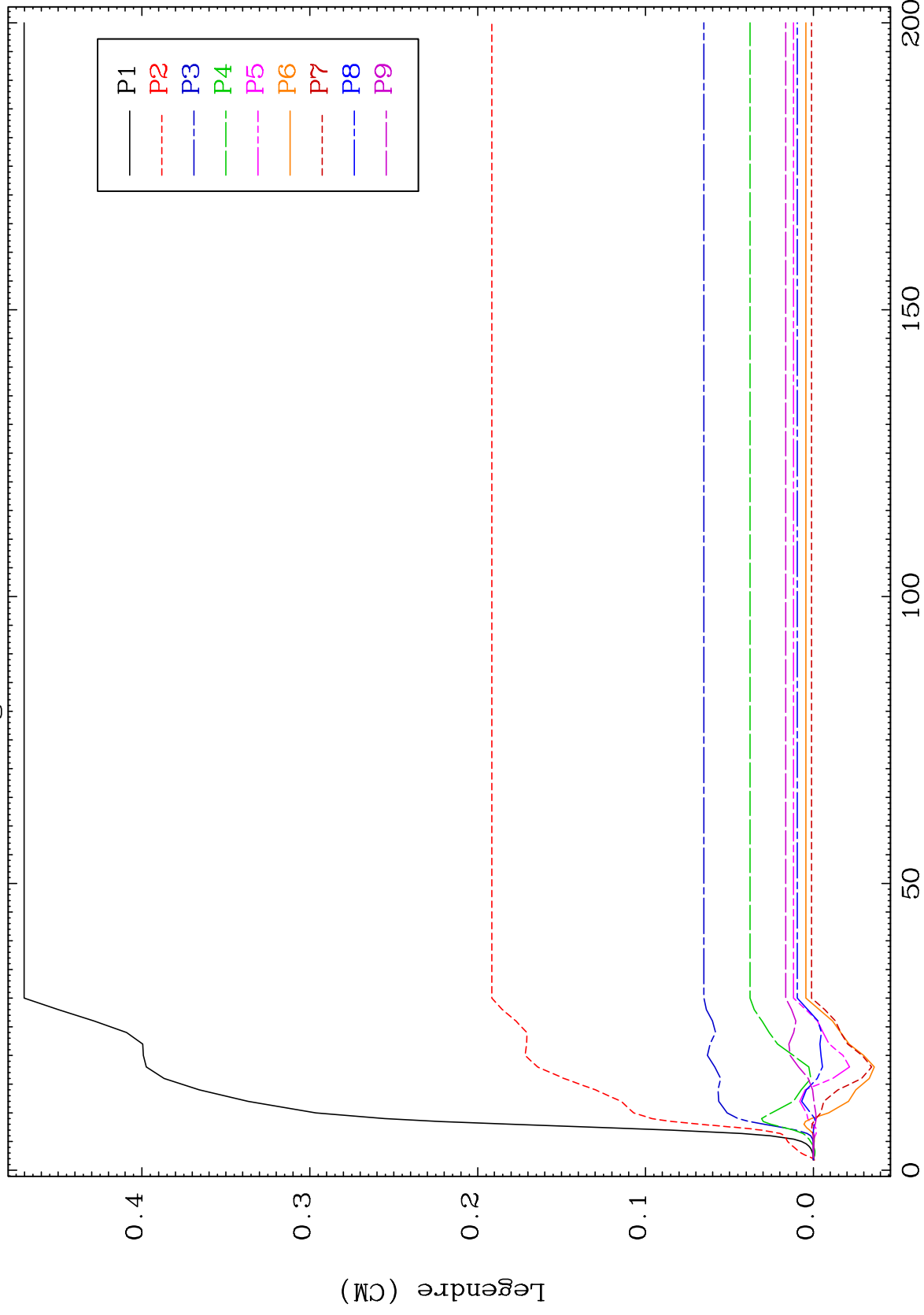
51-Sb-123

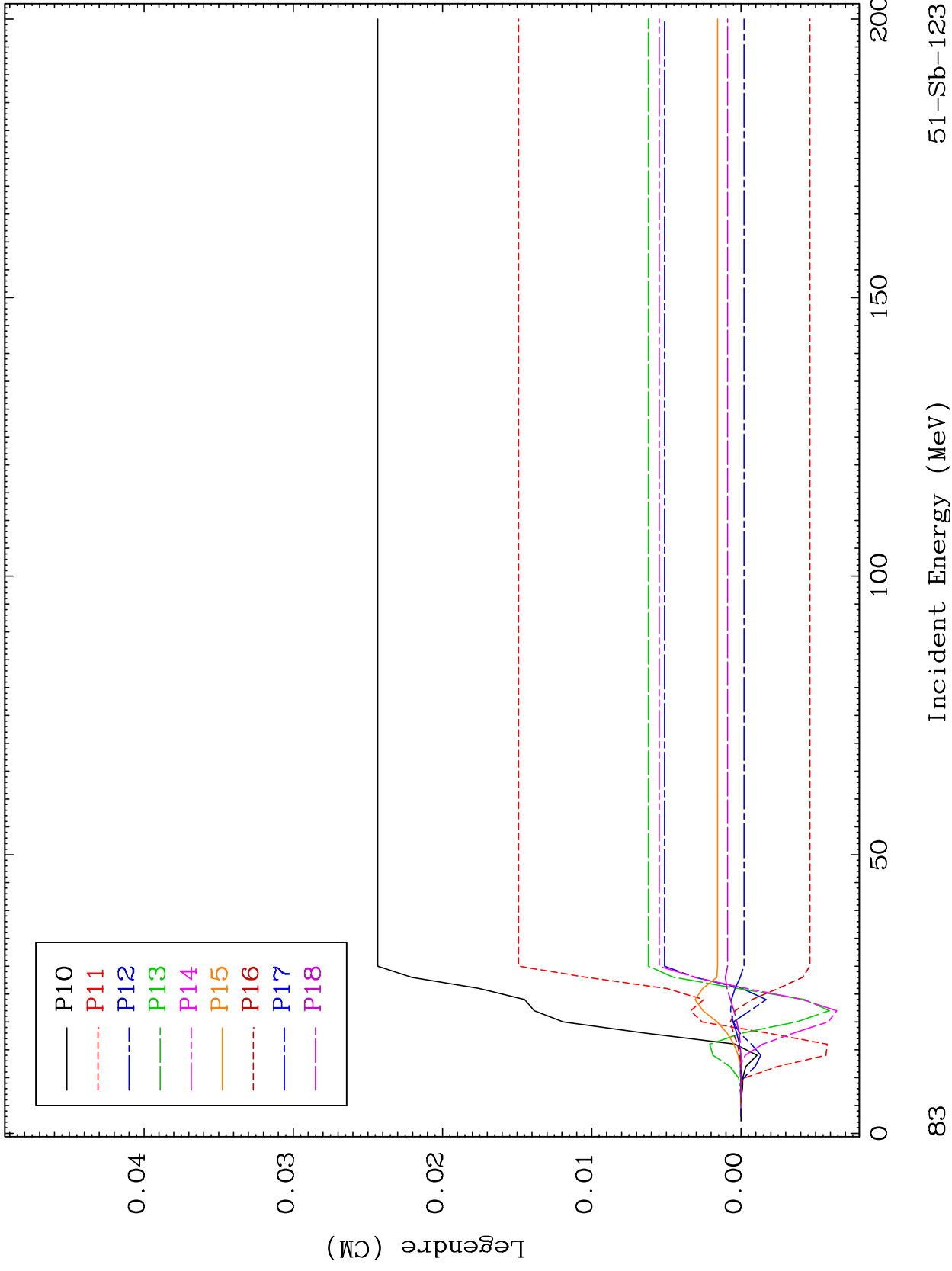


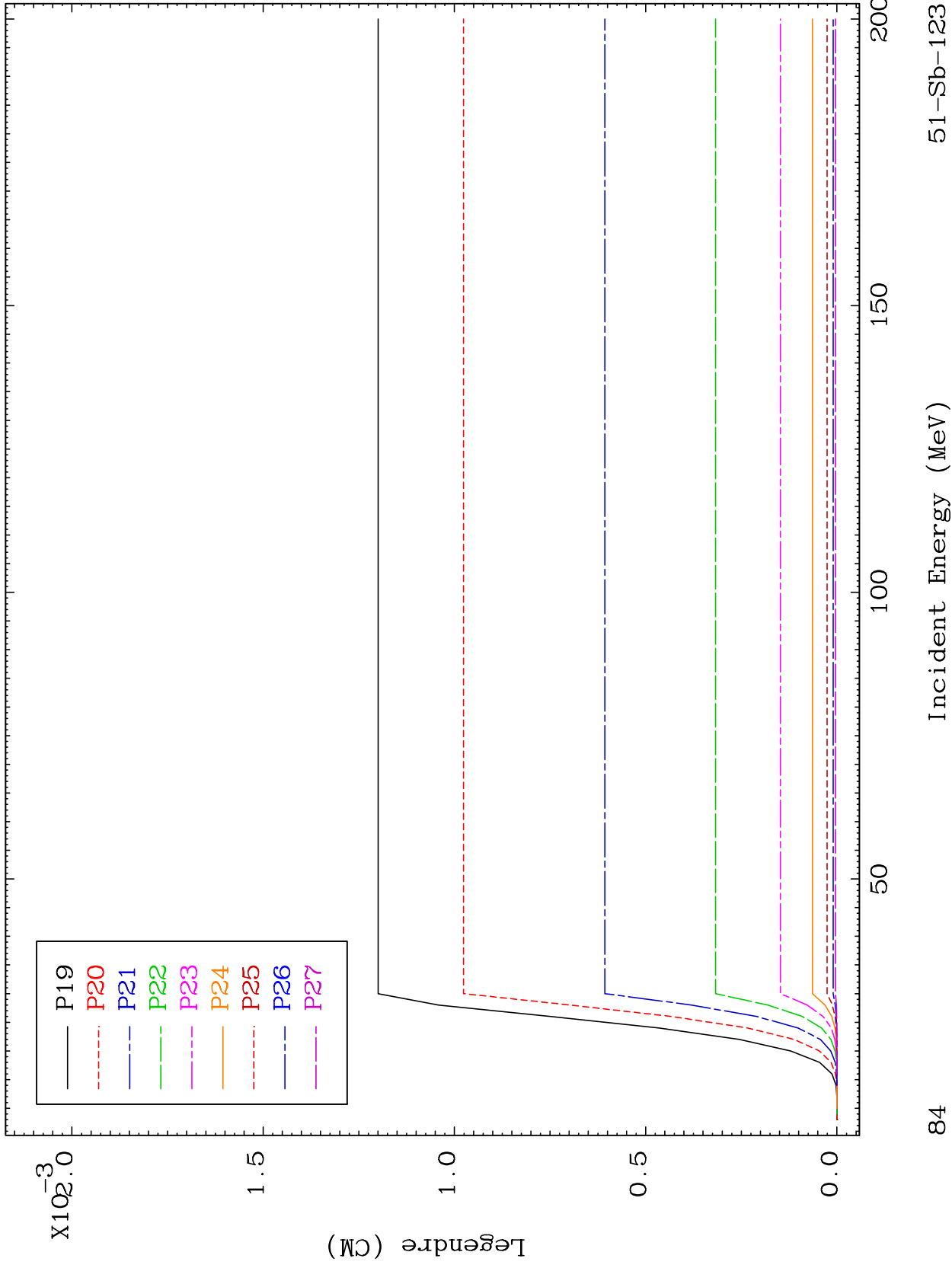
81

Incident Energy (MeV)

51-Sb-123



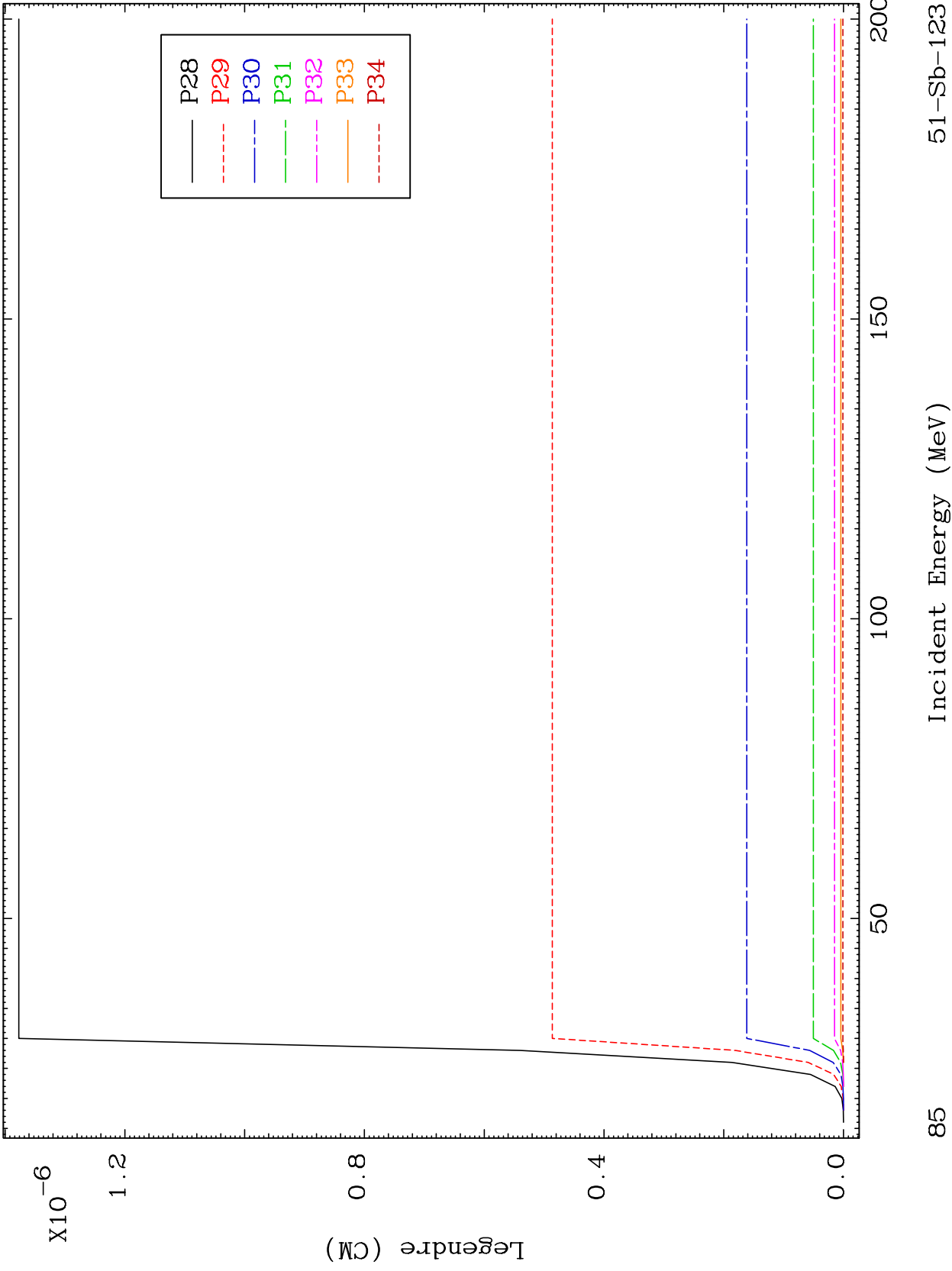




MAT 5131

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

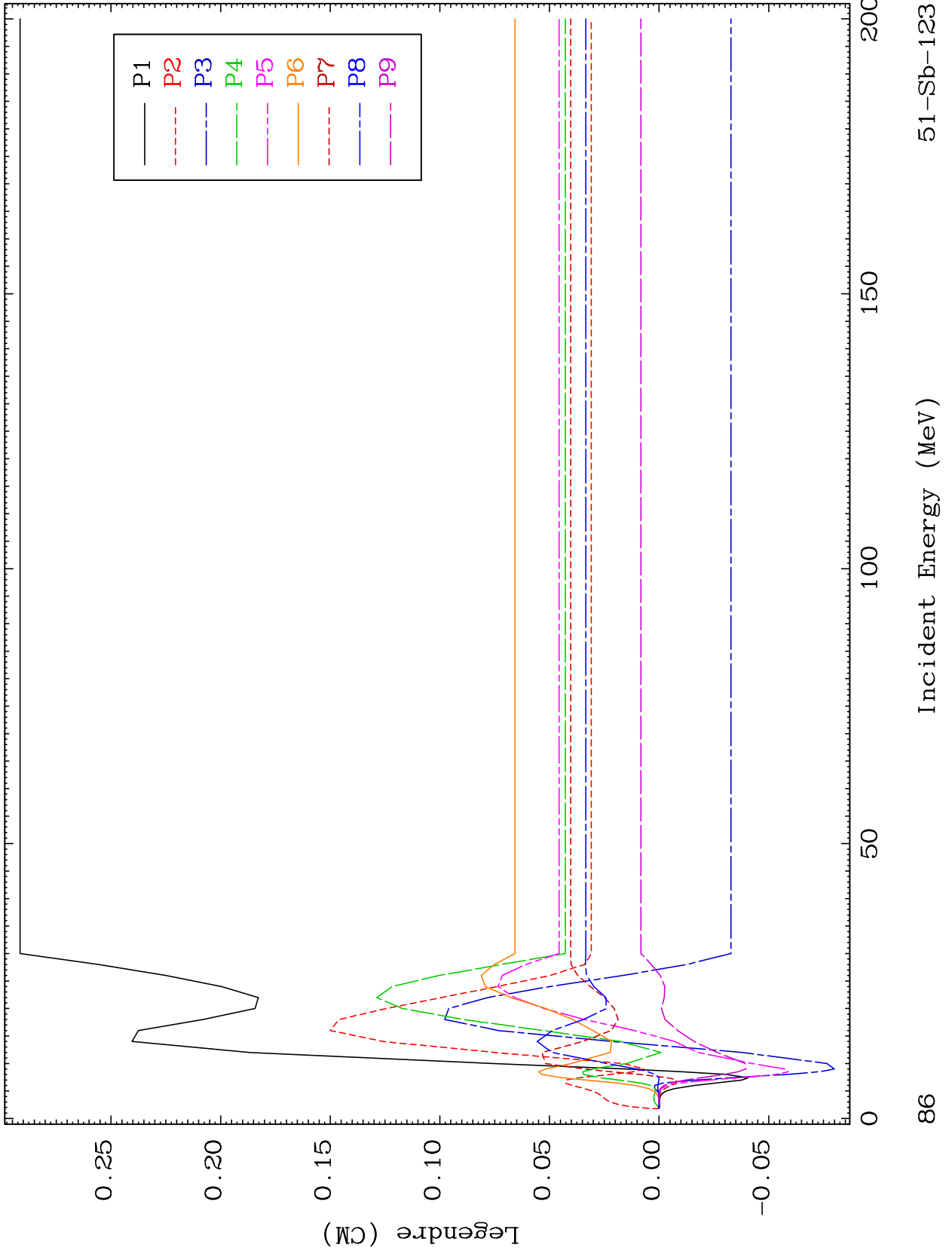
51-Sb-123



85

Incident Energy (MeV)

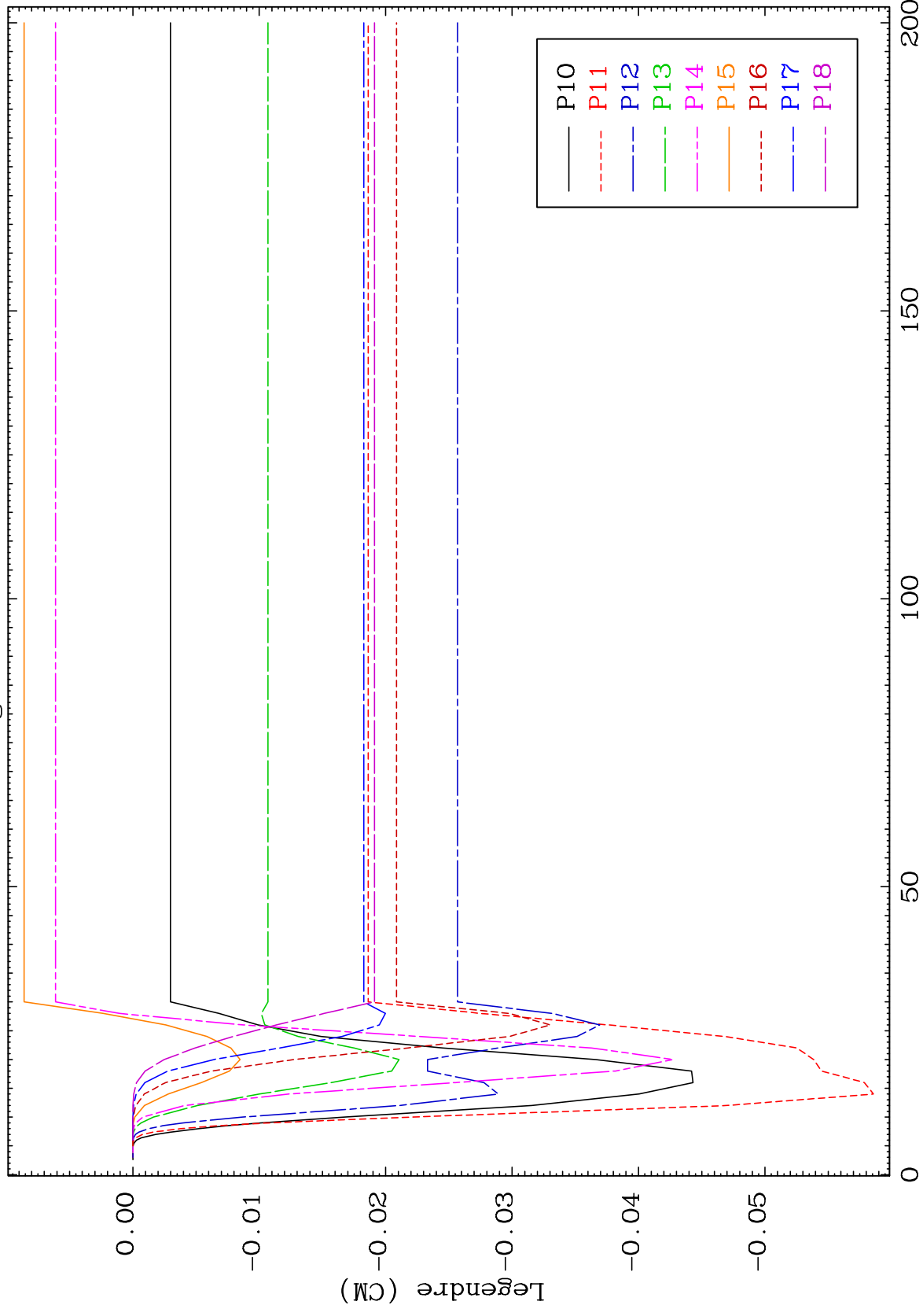
51-Sb-123



MAT 5131

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

51-Sb-123



87

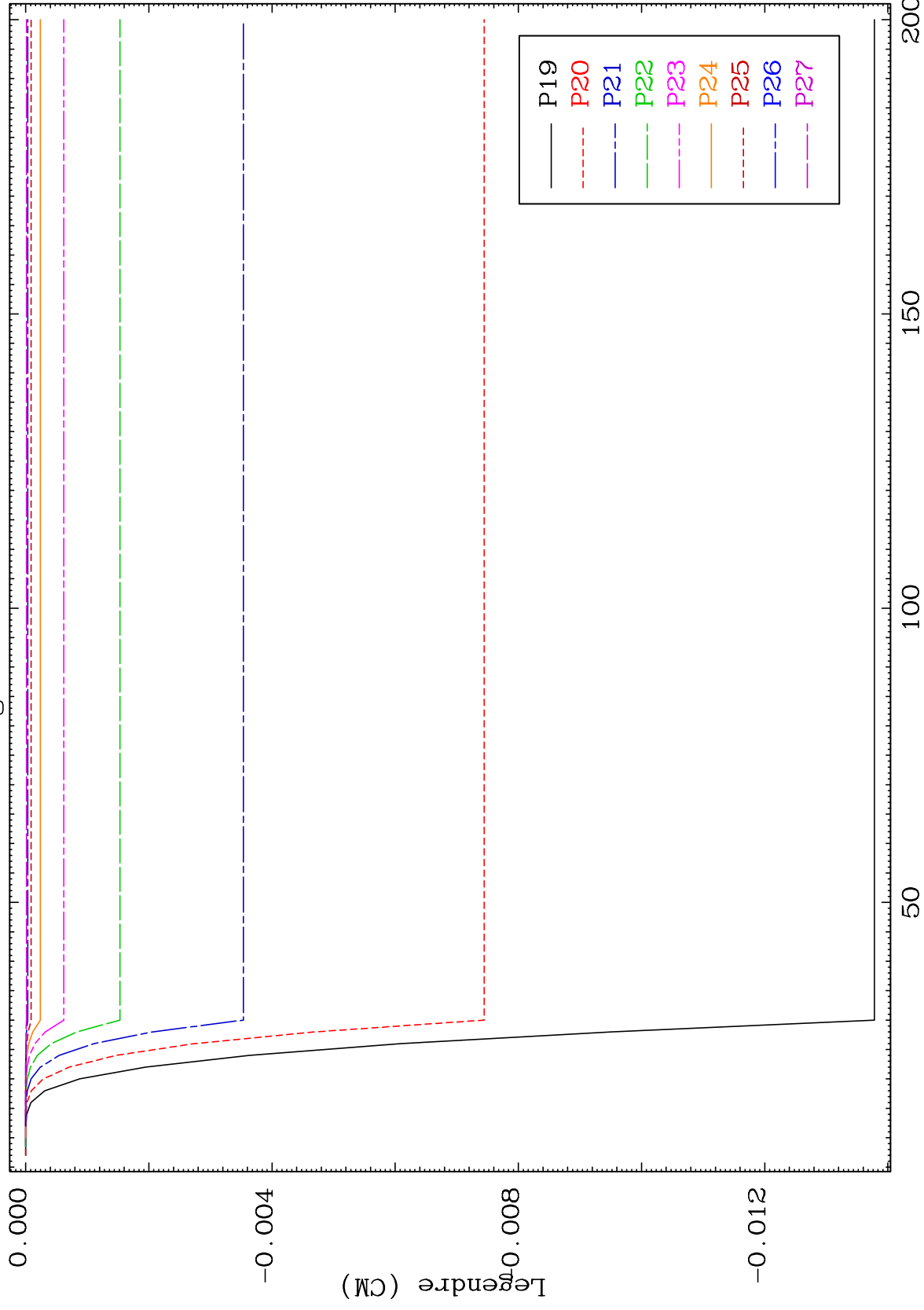
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



88

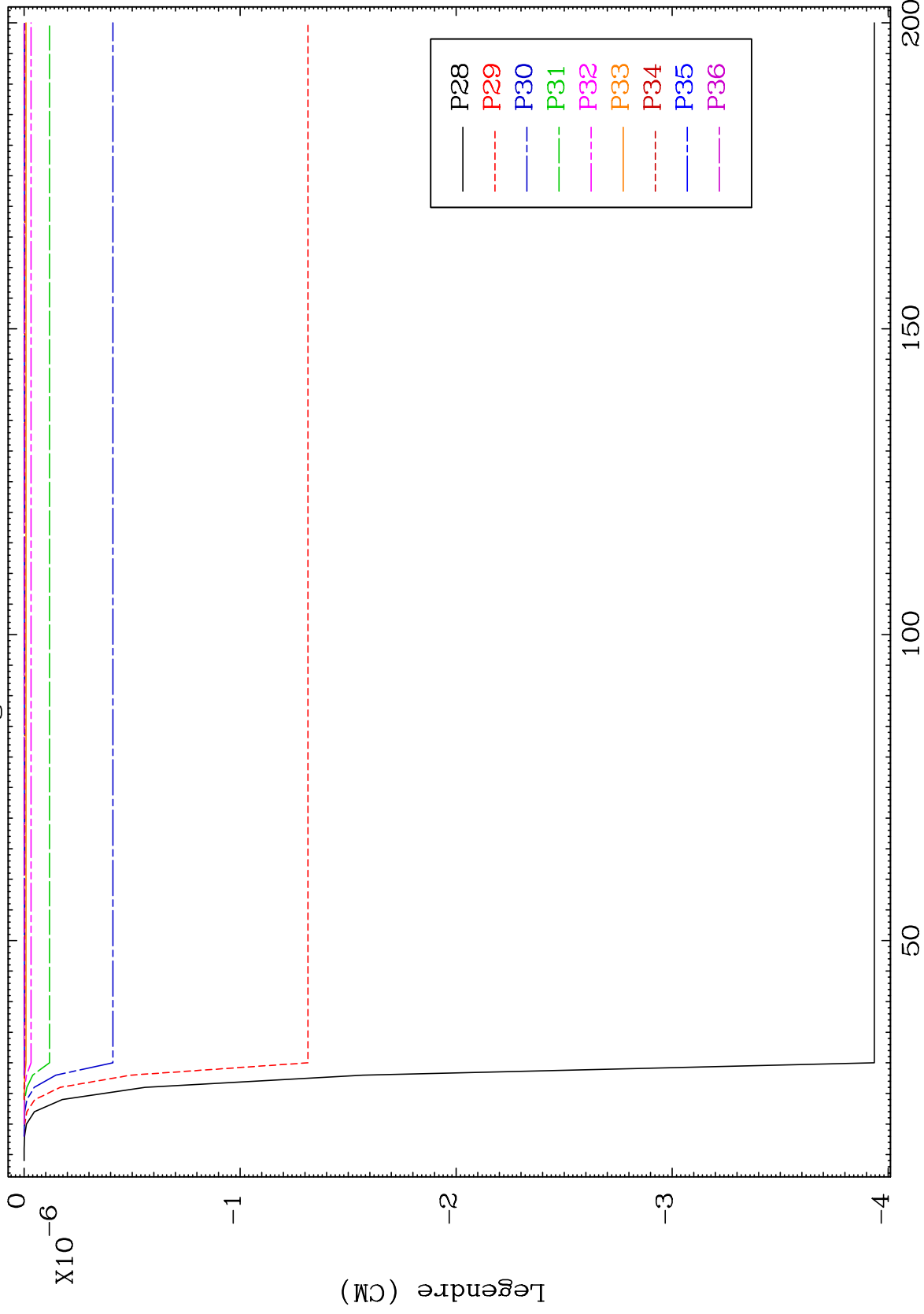
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



89

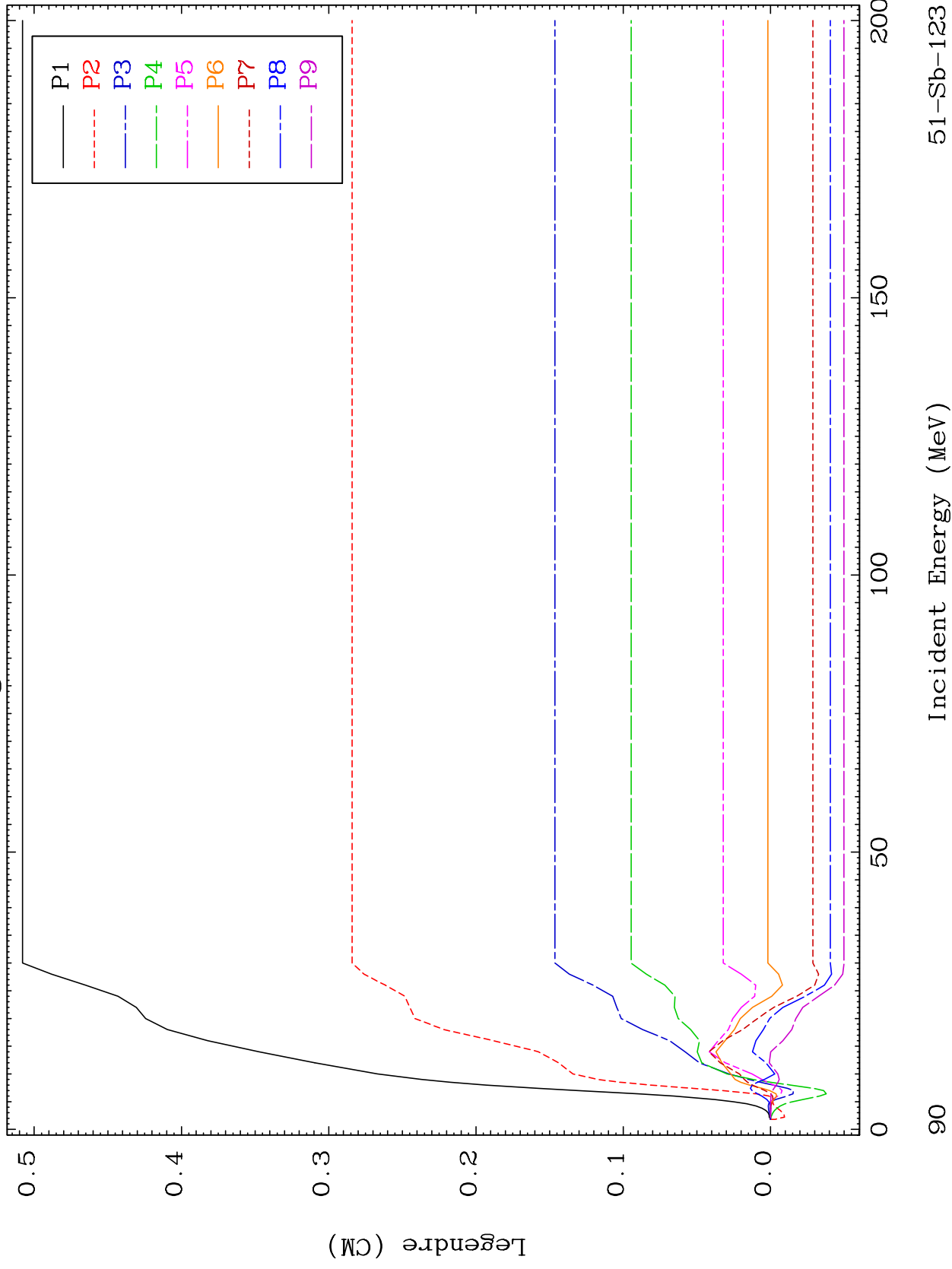
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



51-Sb-123

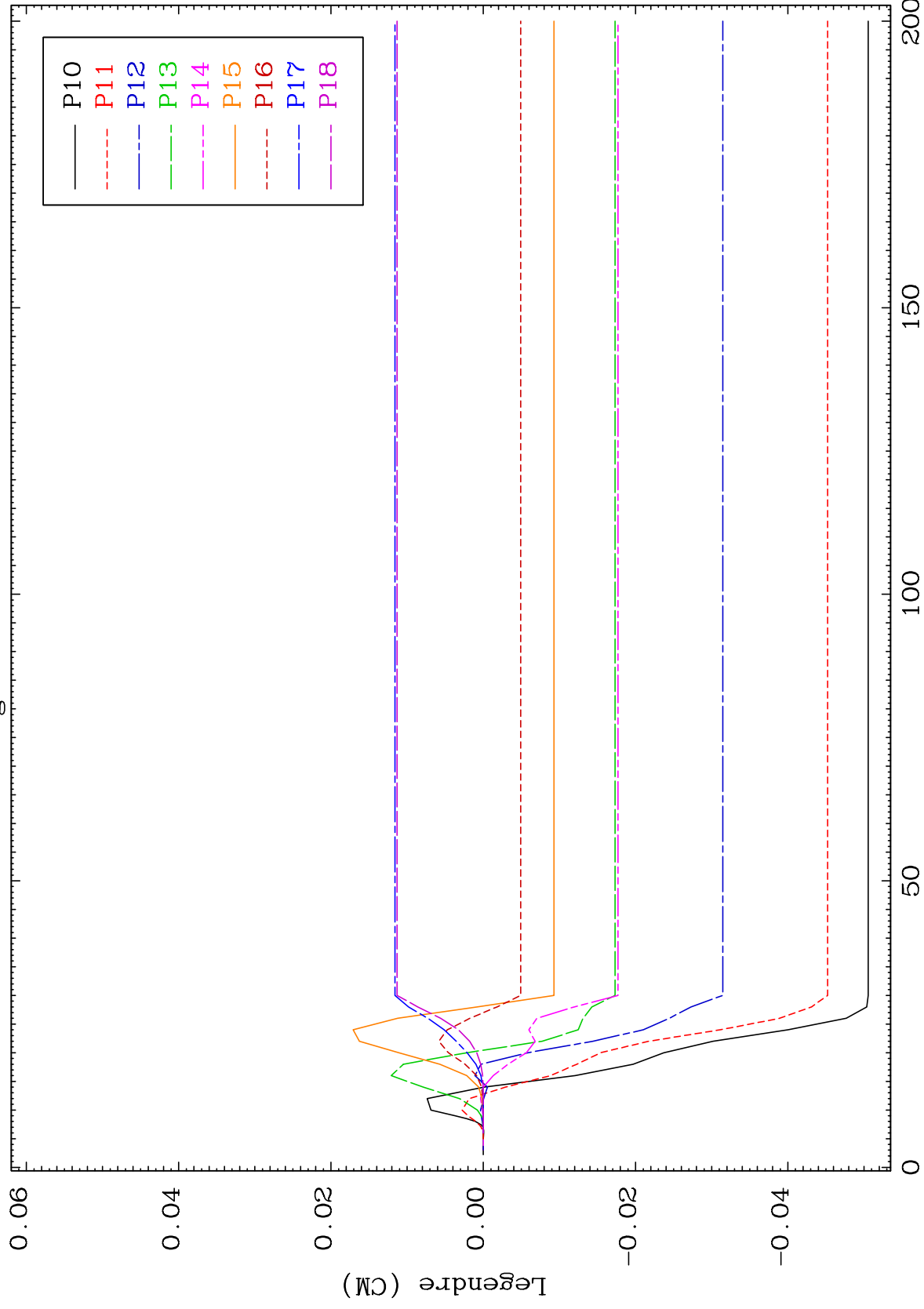
Incident Energy (MeV)

90

MAT 5131

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

51-Sb-123



91

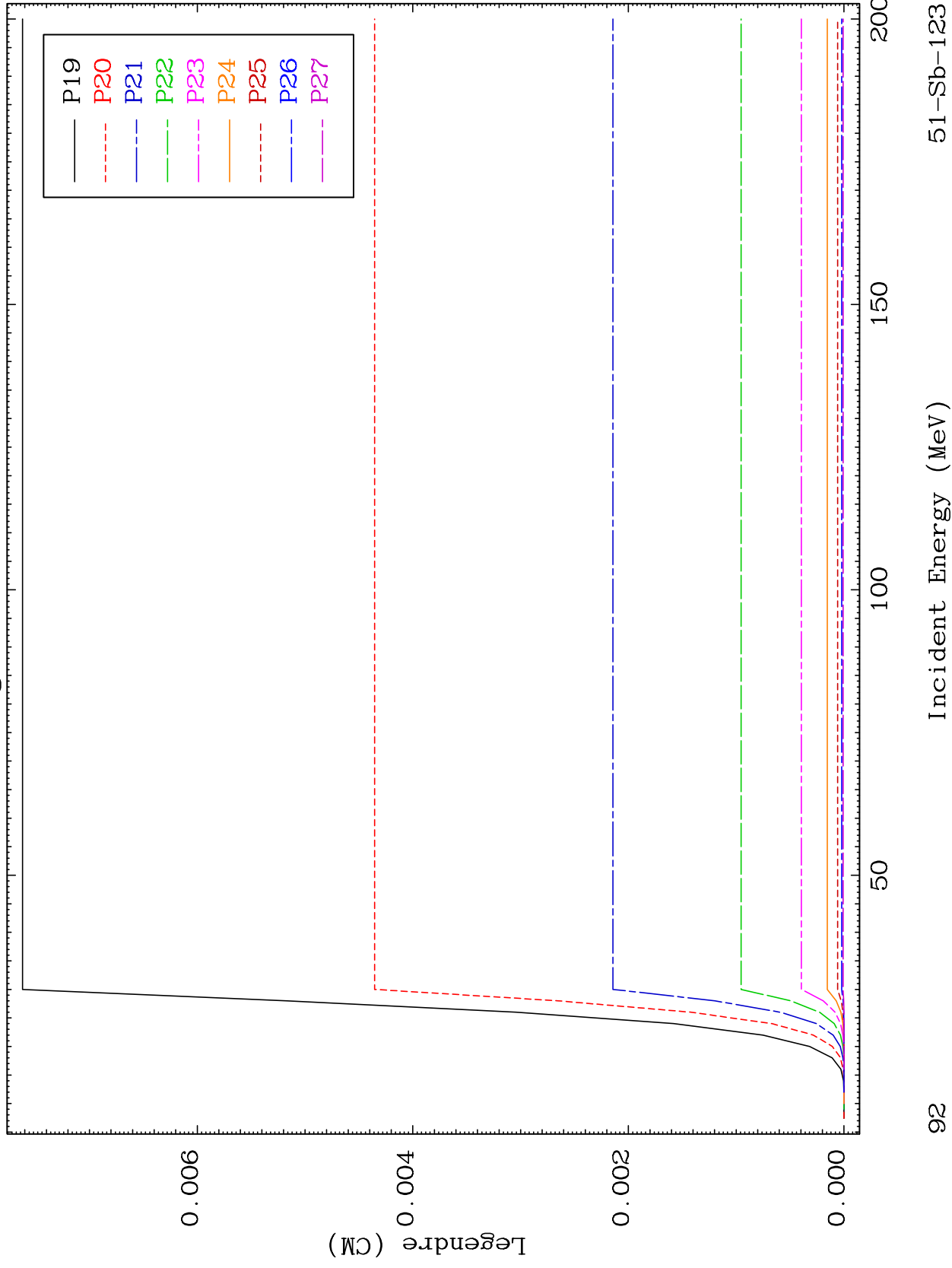
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



92

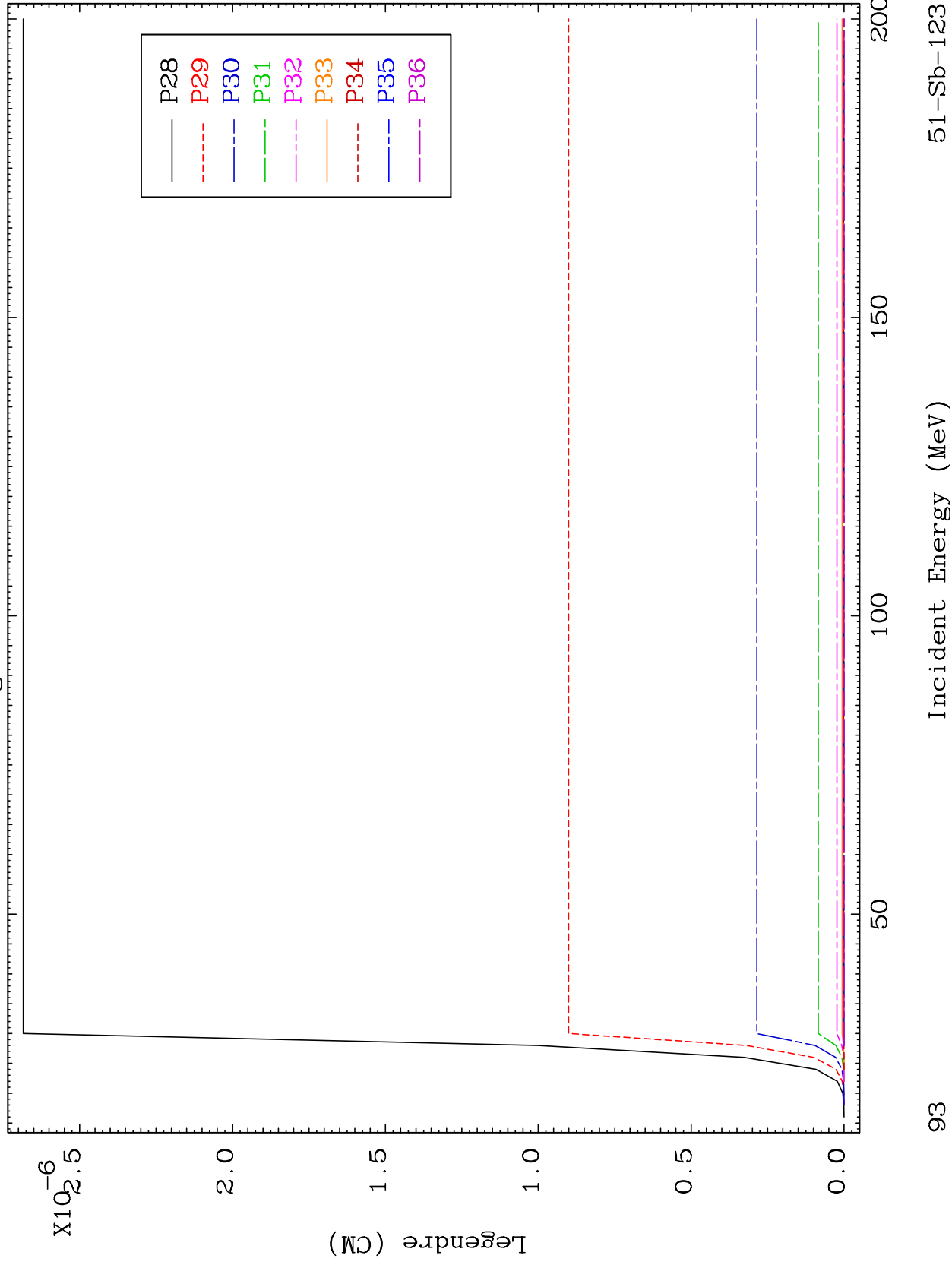
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



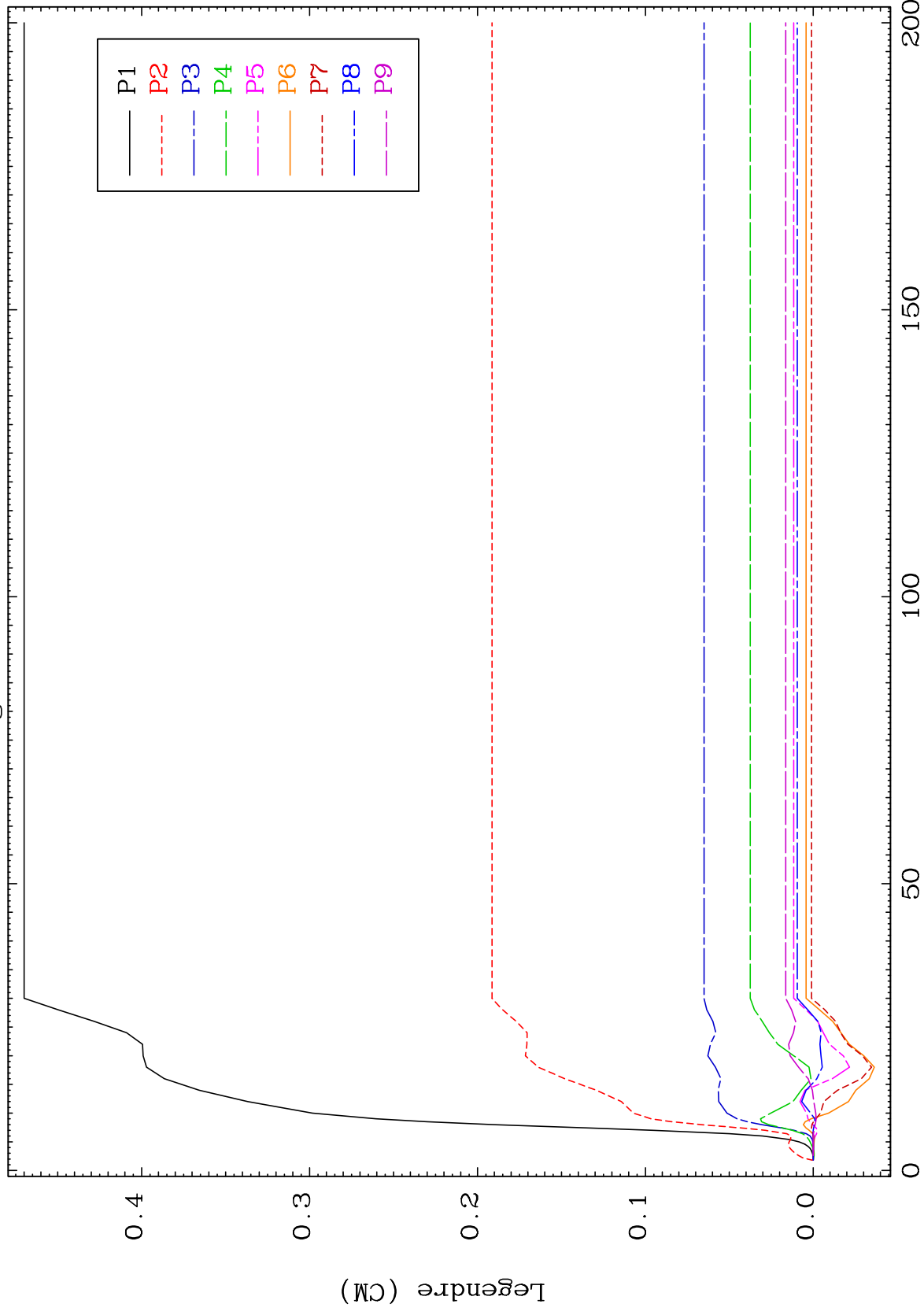
93

51-Sb-123

MAT 5131

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

51-Sb-123



94

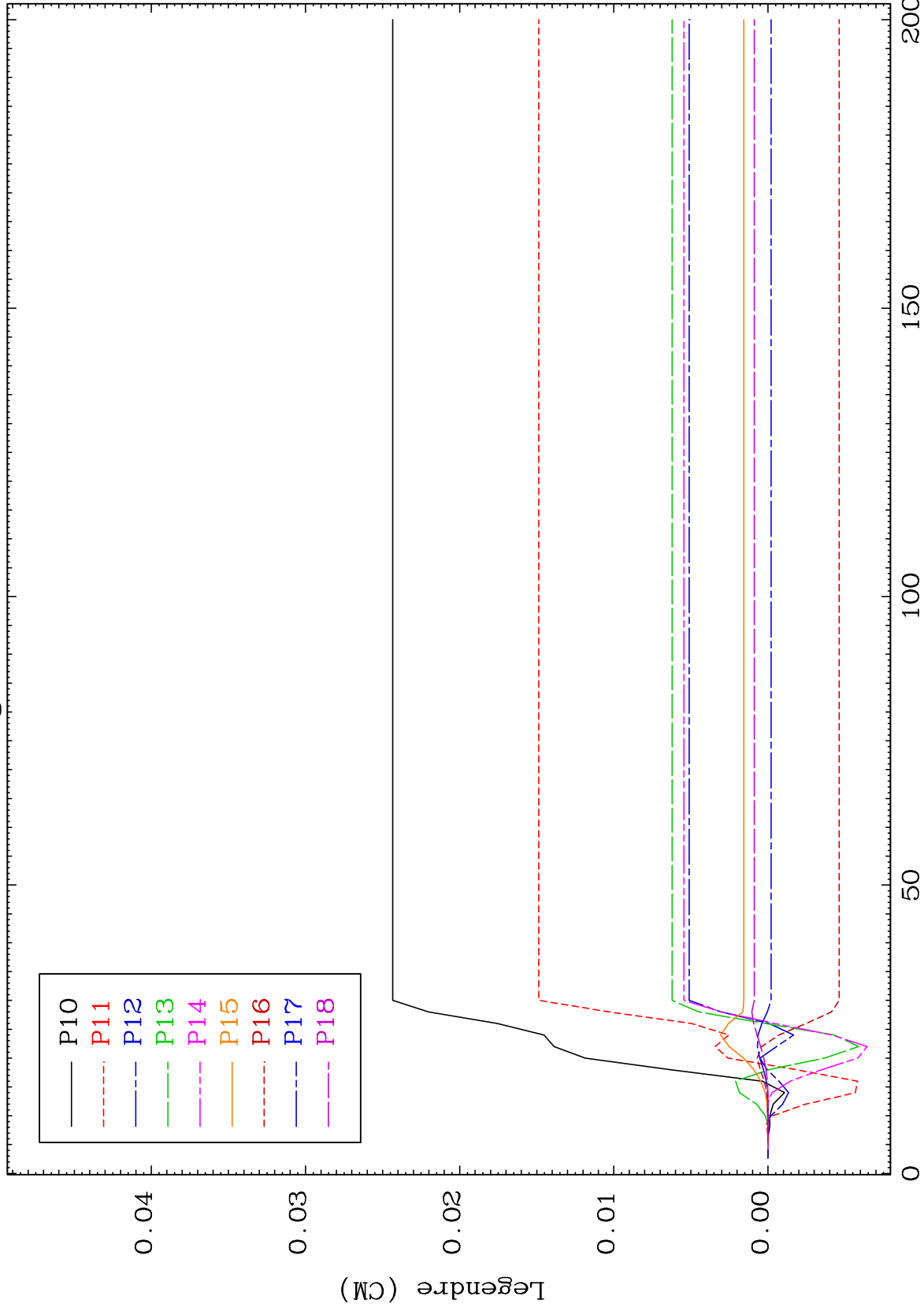
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

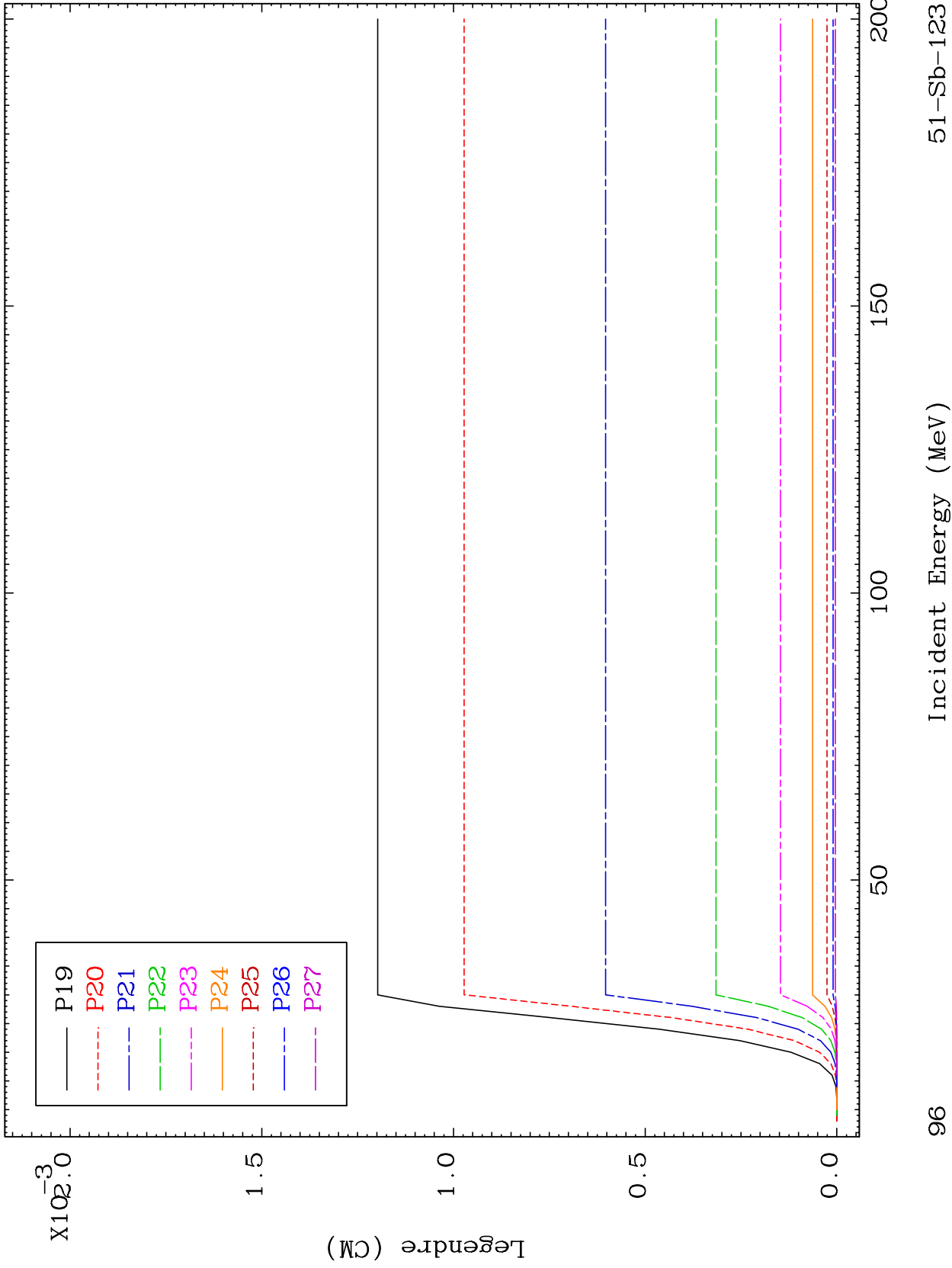
51-Sb-123

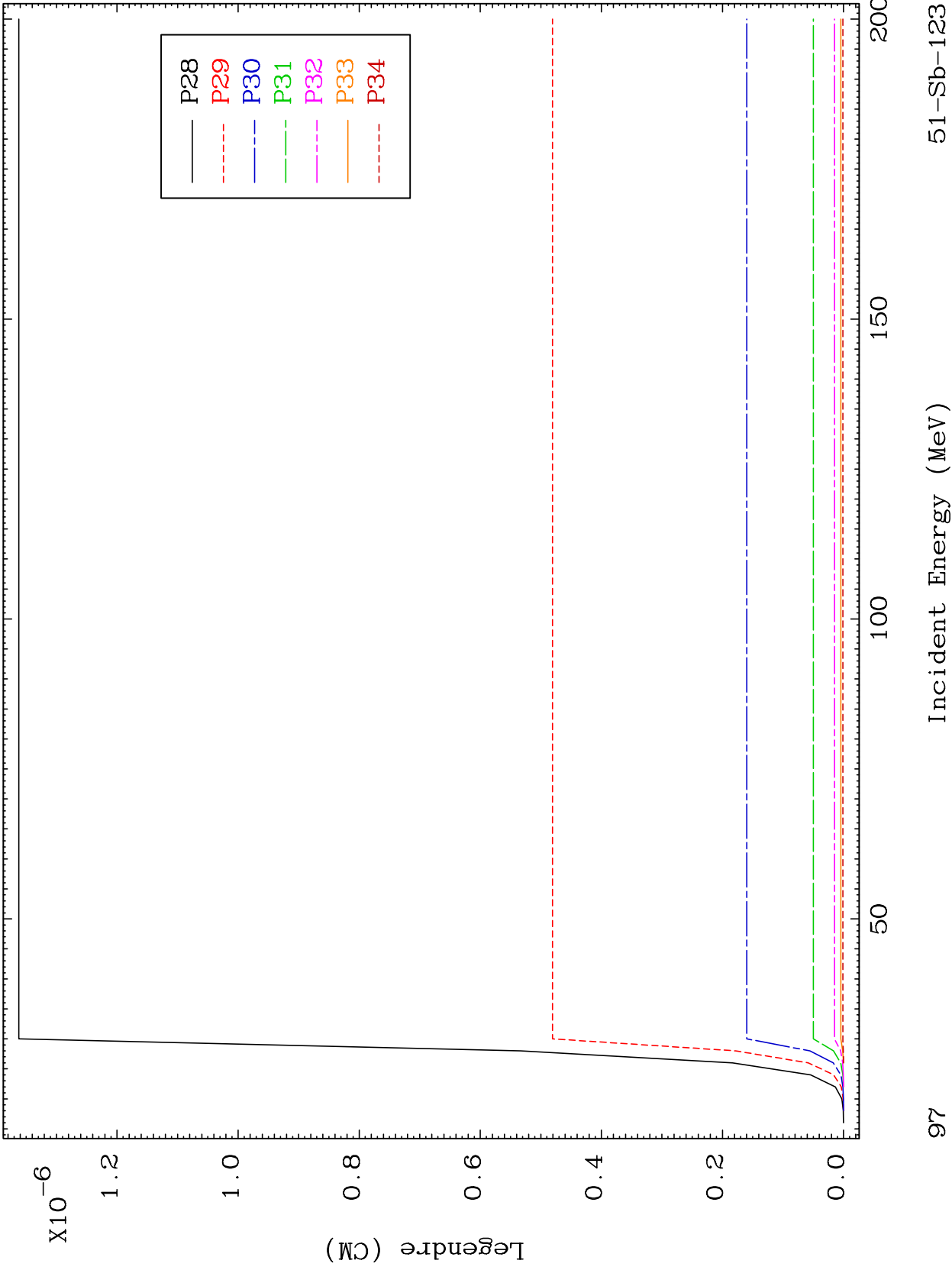


95

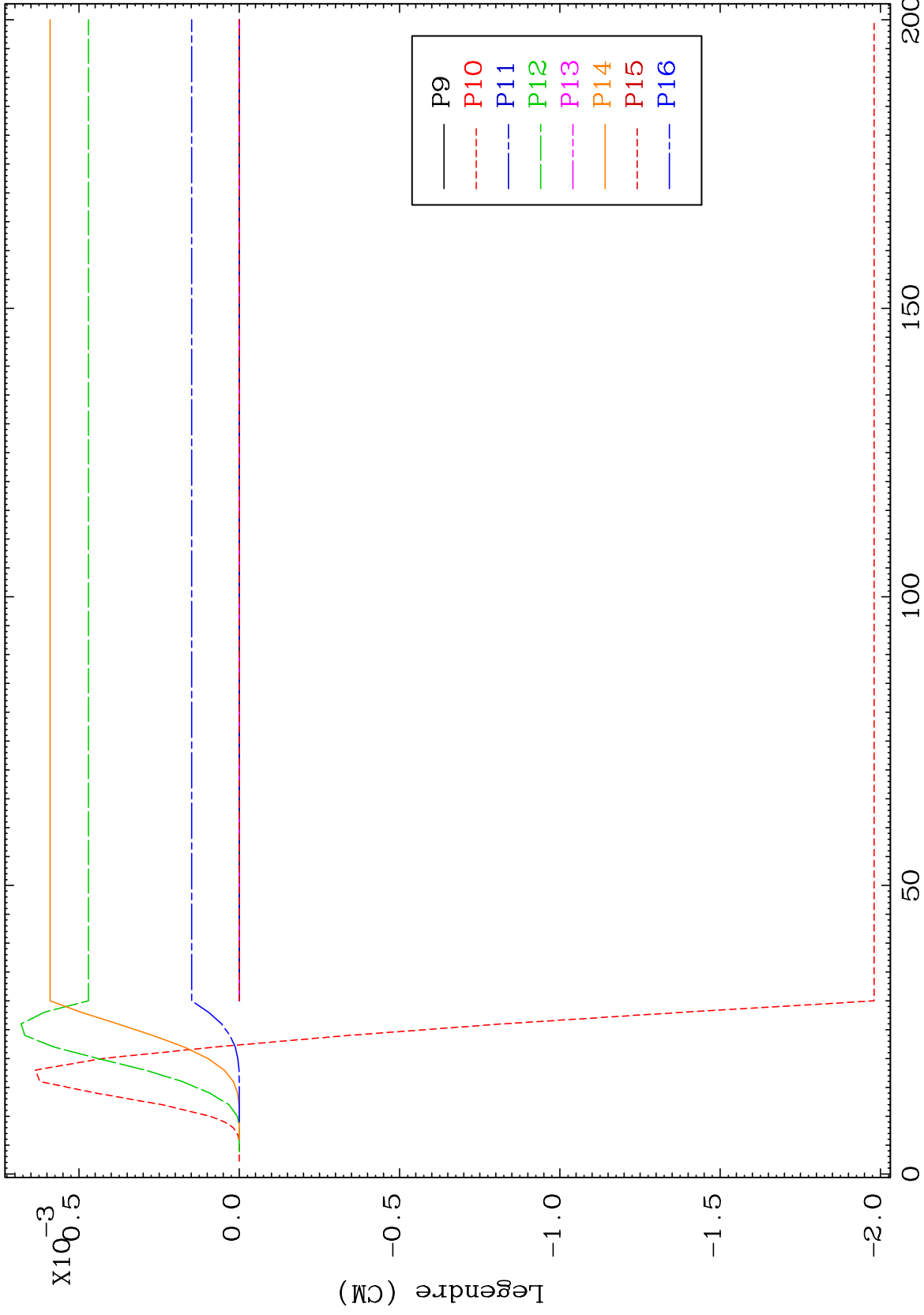
Incident Energy (MeV)

51-Sb-123







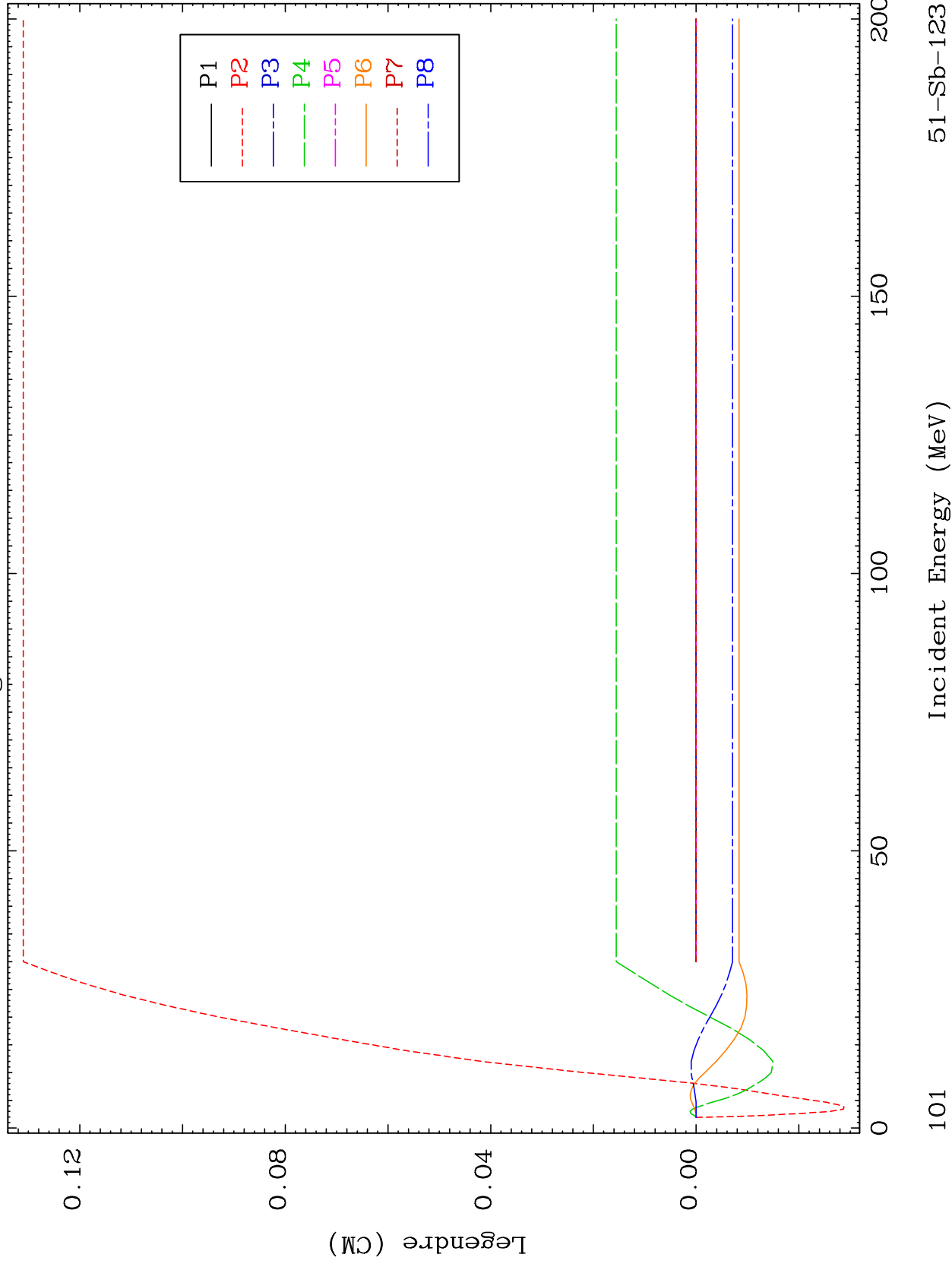




MAT 5131

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

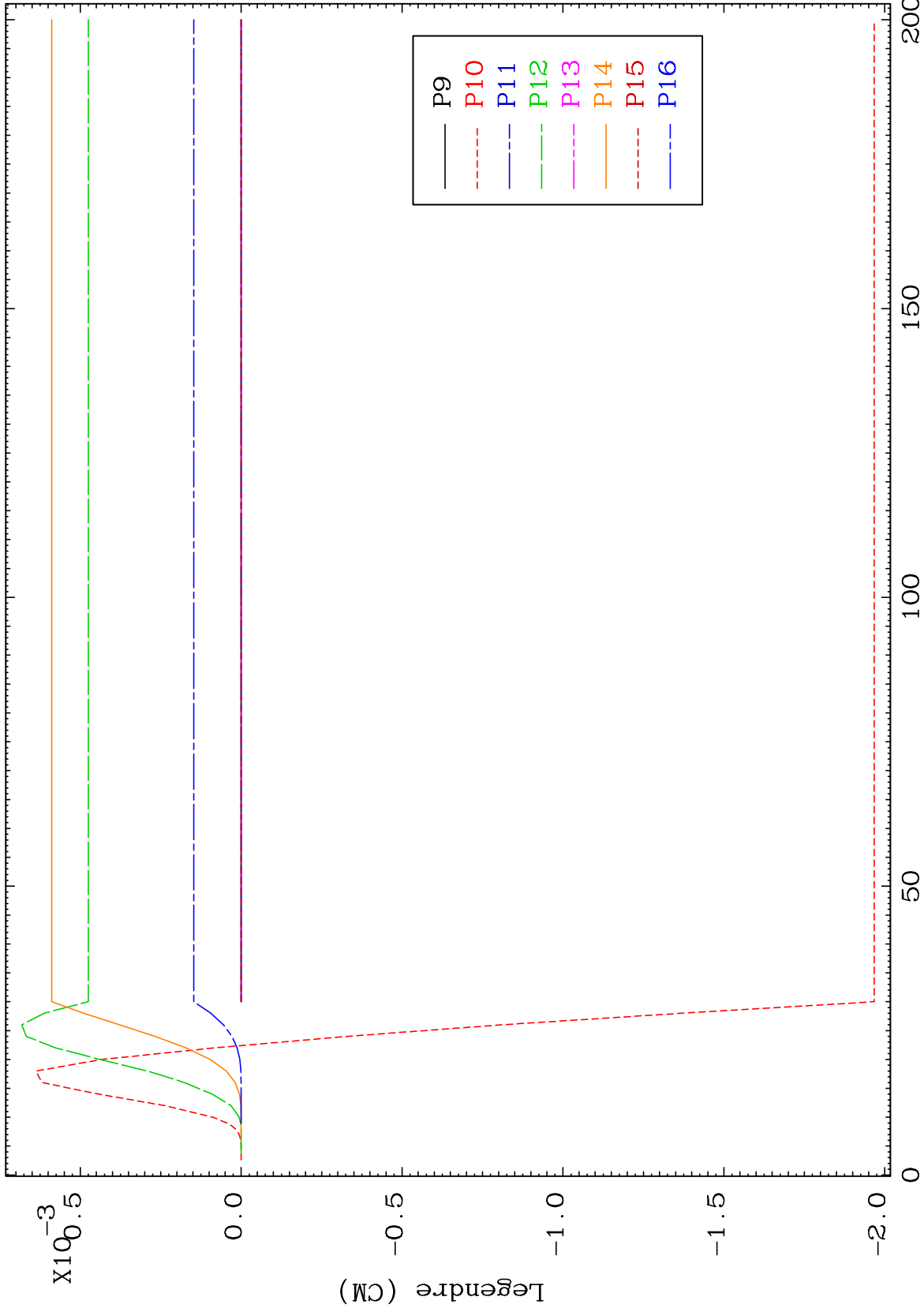
51-Sb-123



51-Sb-123

Incident Energy (MeV)

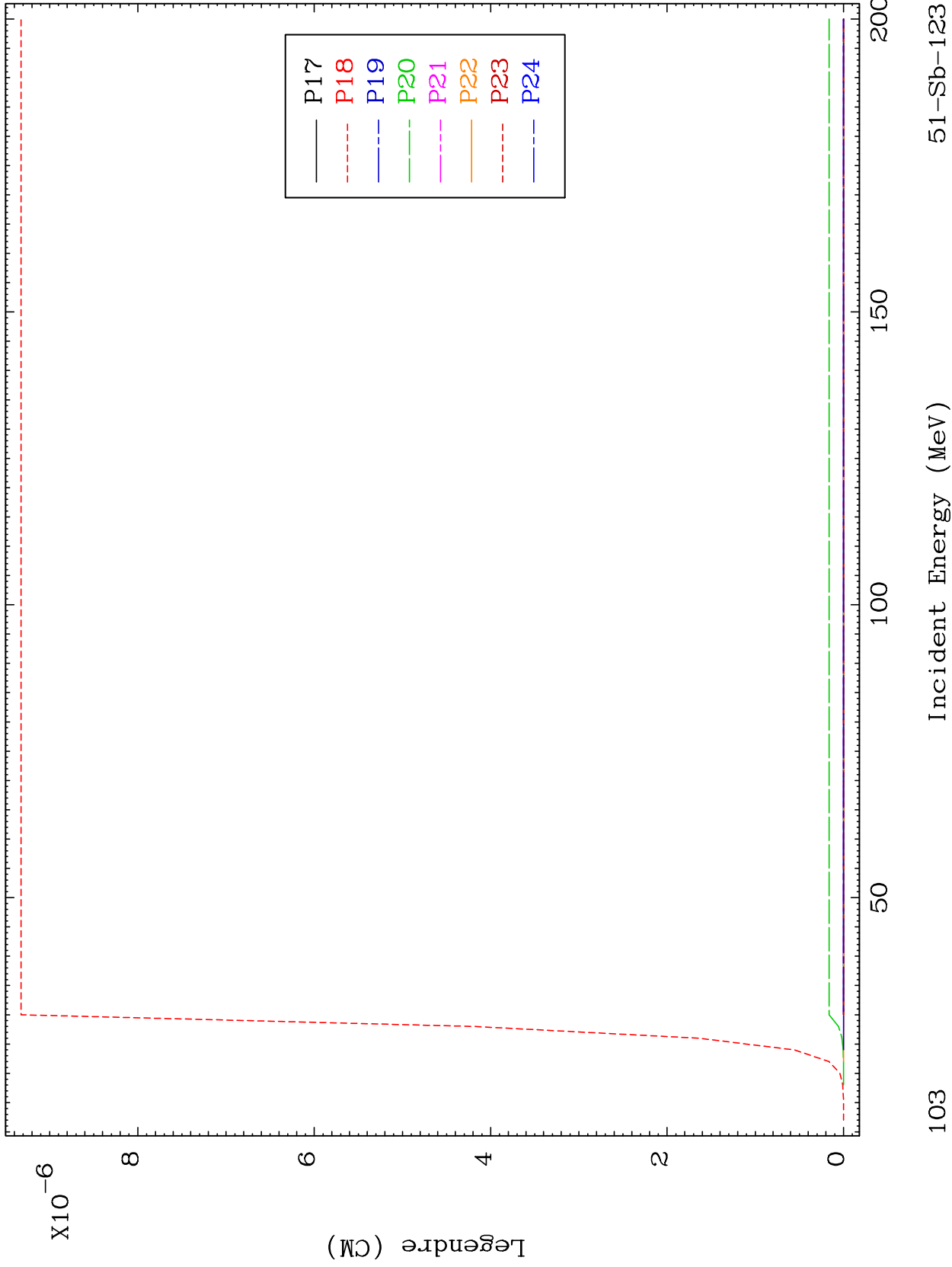
101



MAT 5131

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

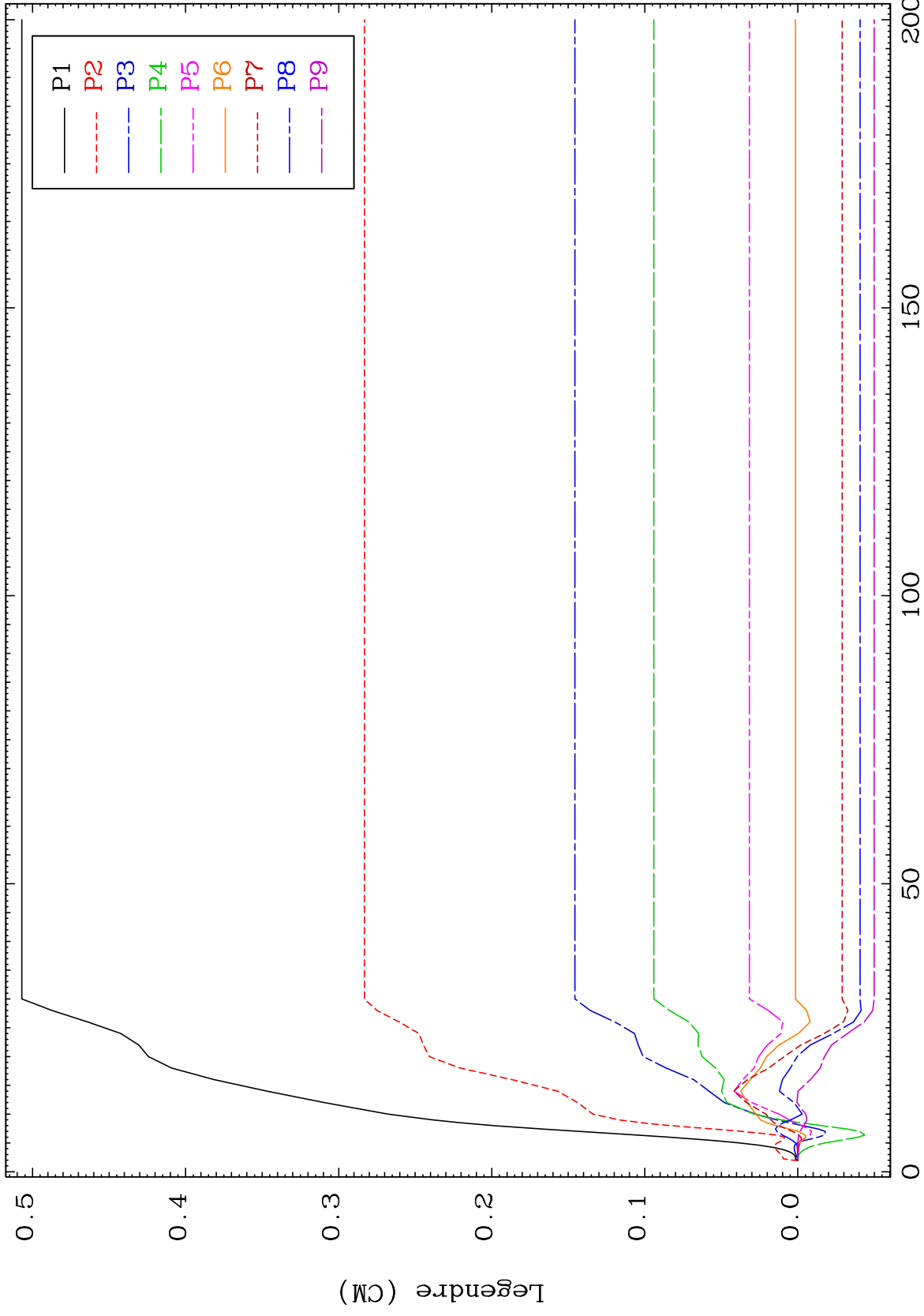
51-Sb-123



MAT 5131

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

51-Sb-123



0

50

100

150

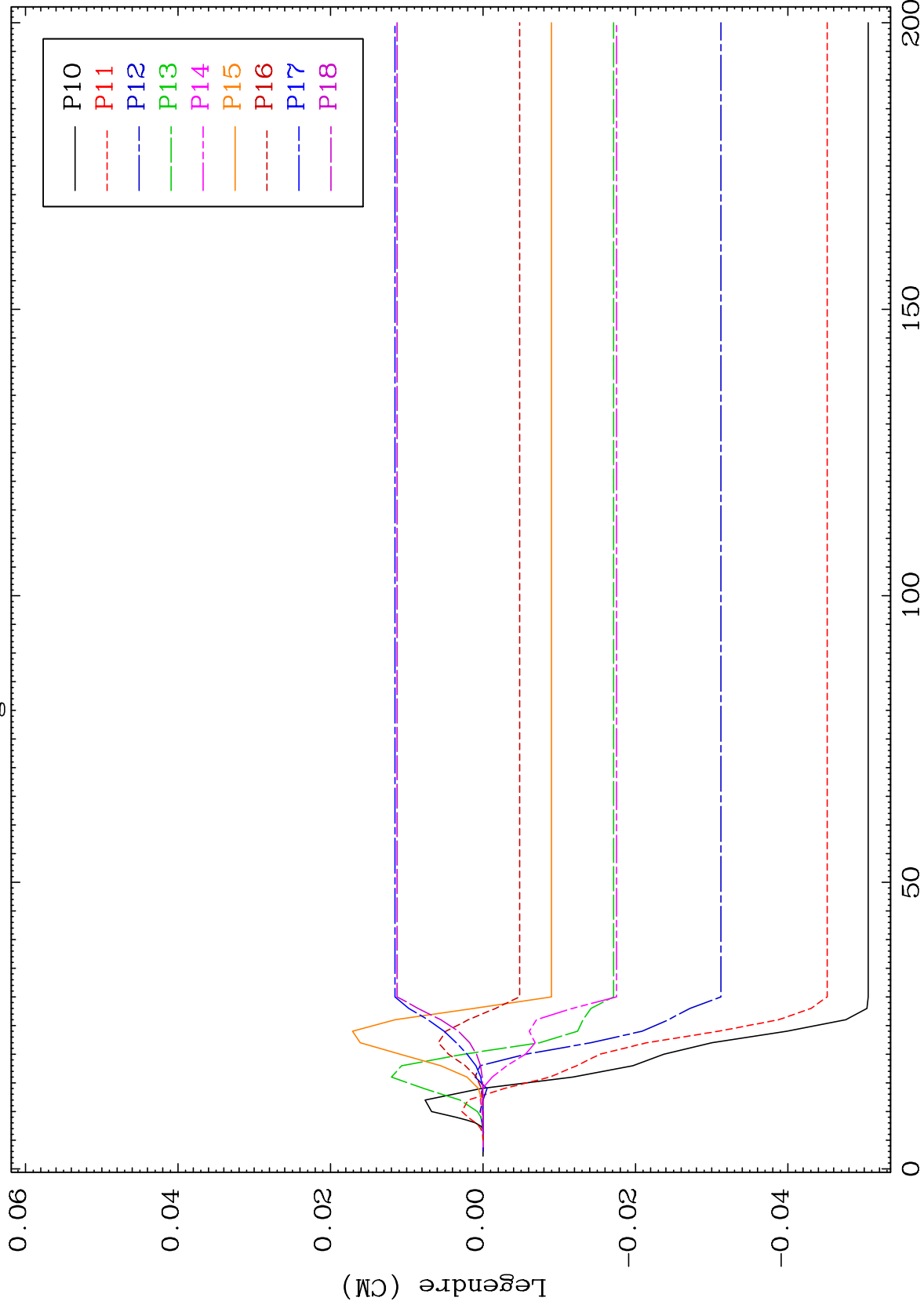
200

51-Sb-123

MAT 5131

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

51-Sb-123



105

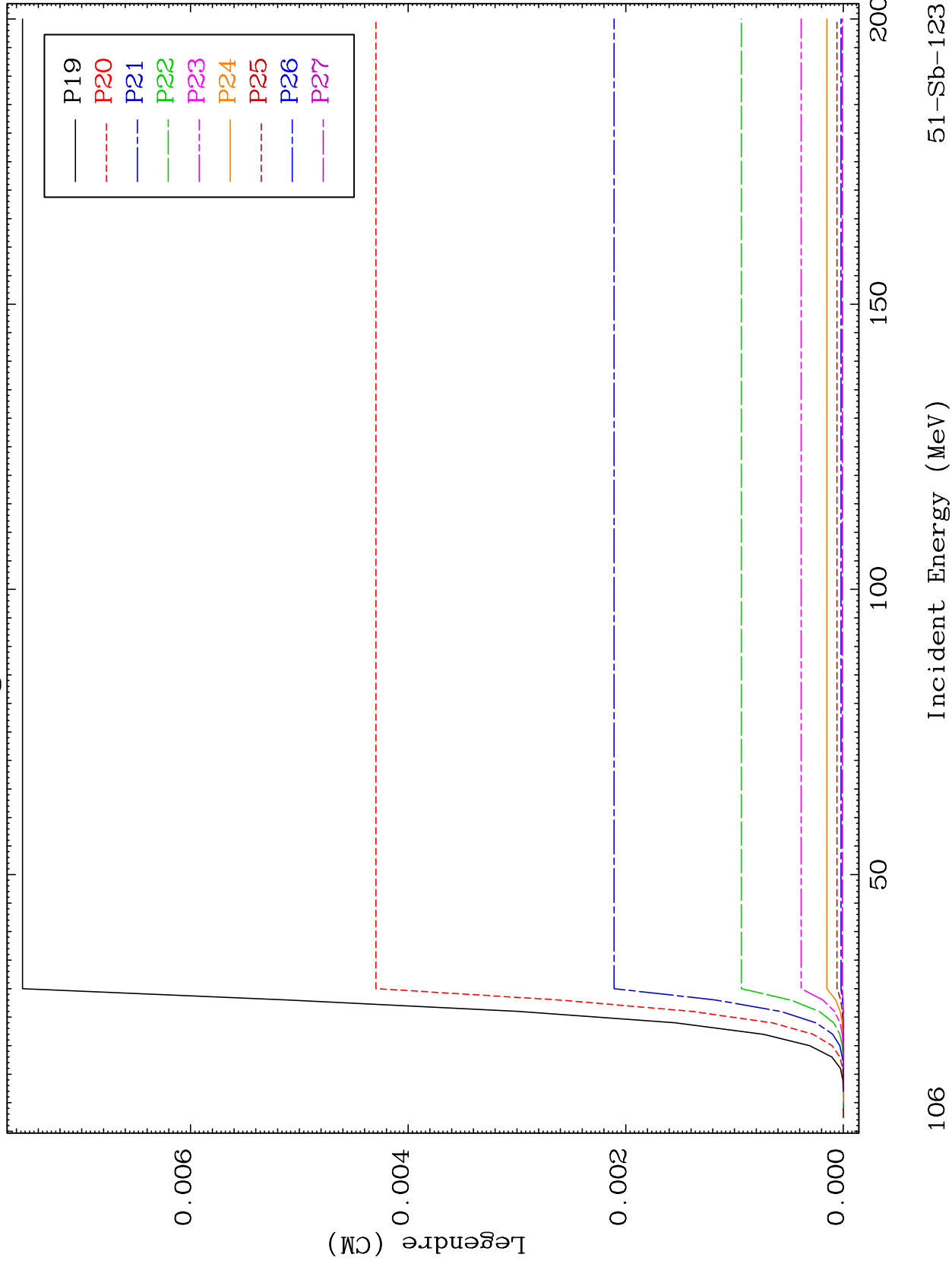
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



106

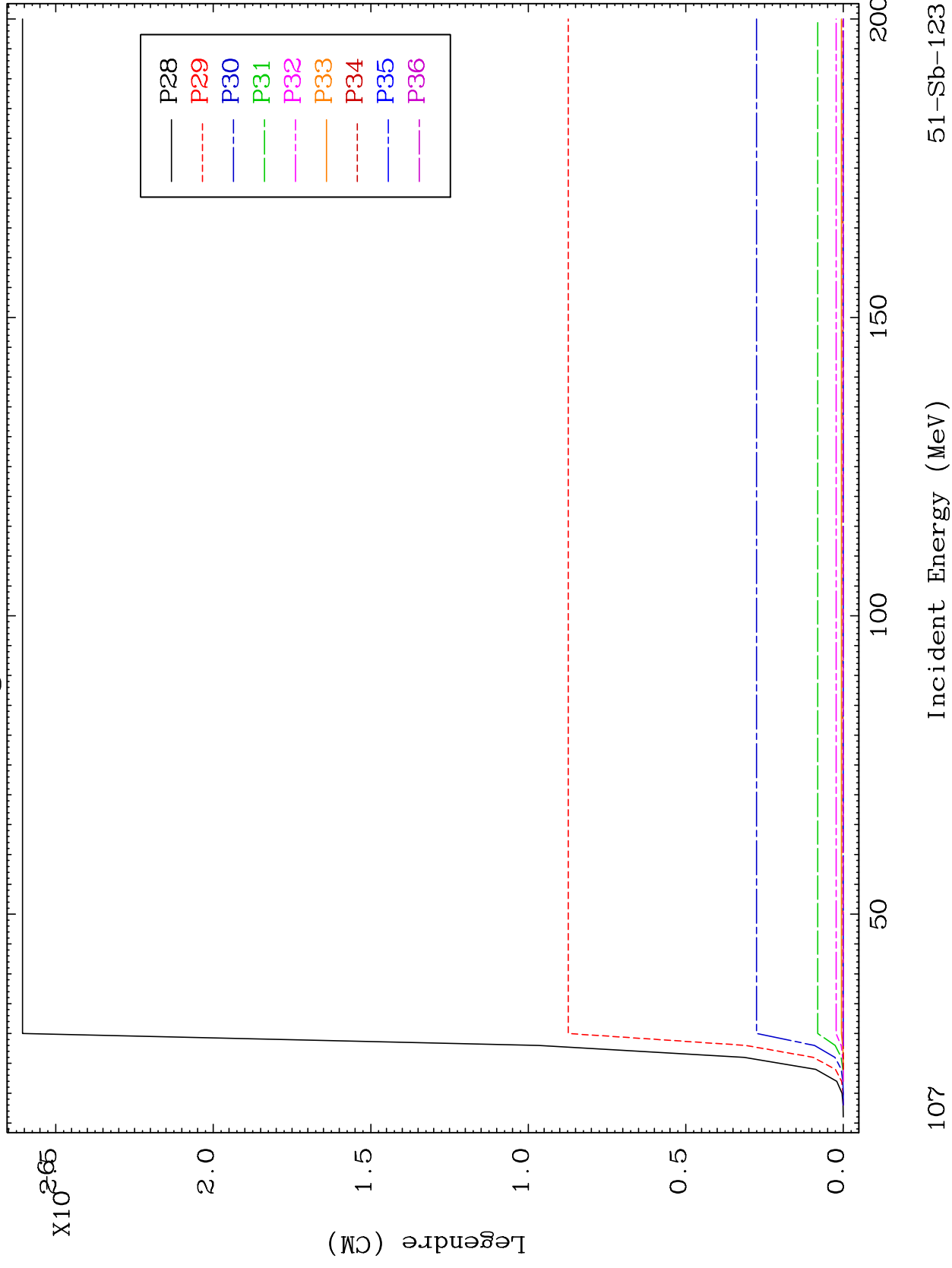
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123

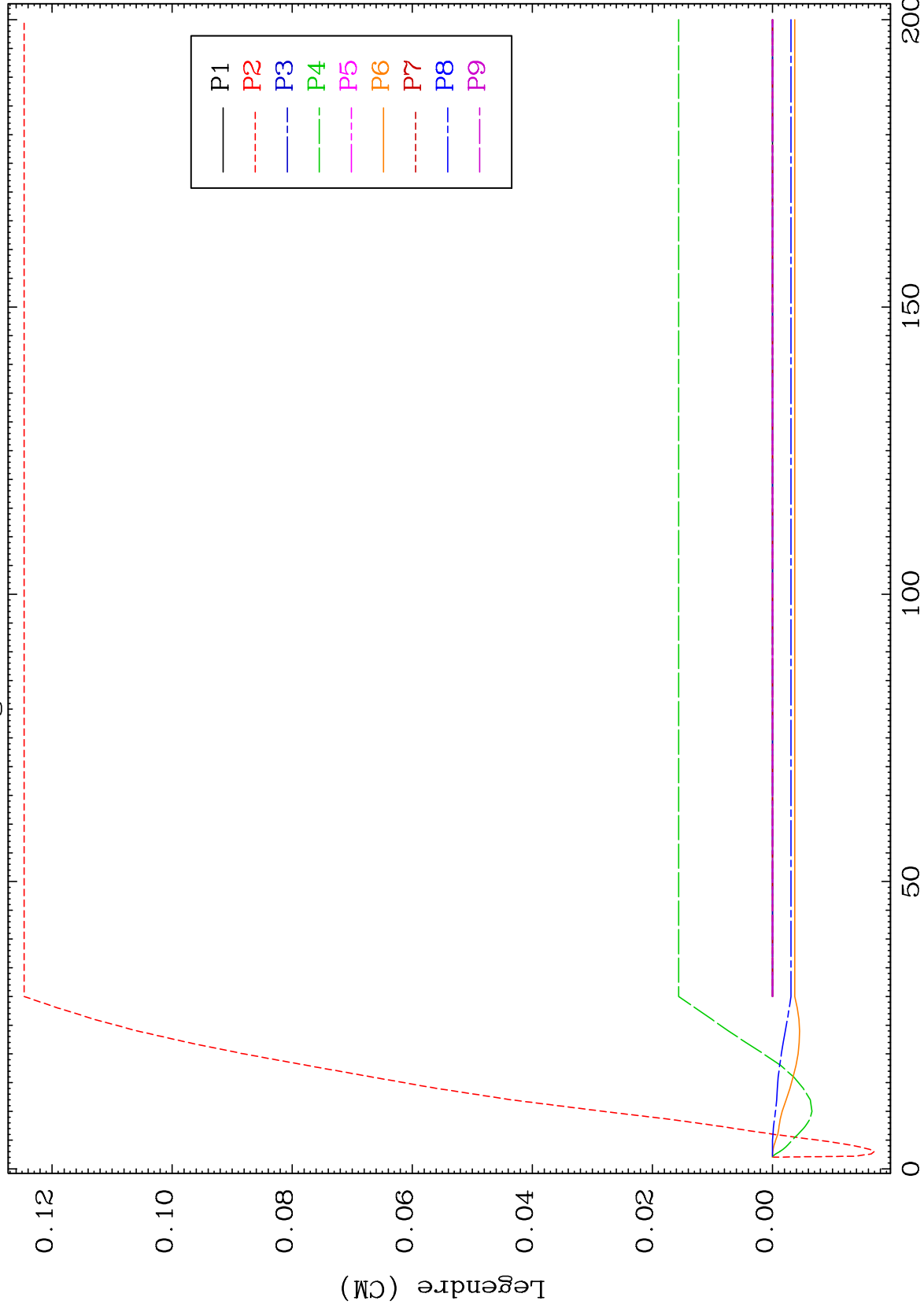


107

MAT 5131

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

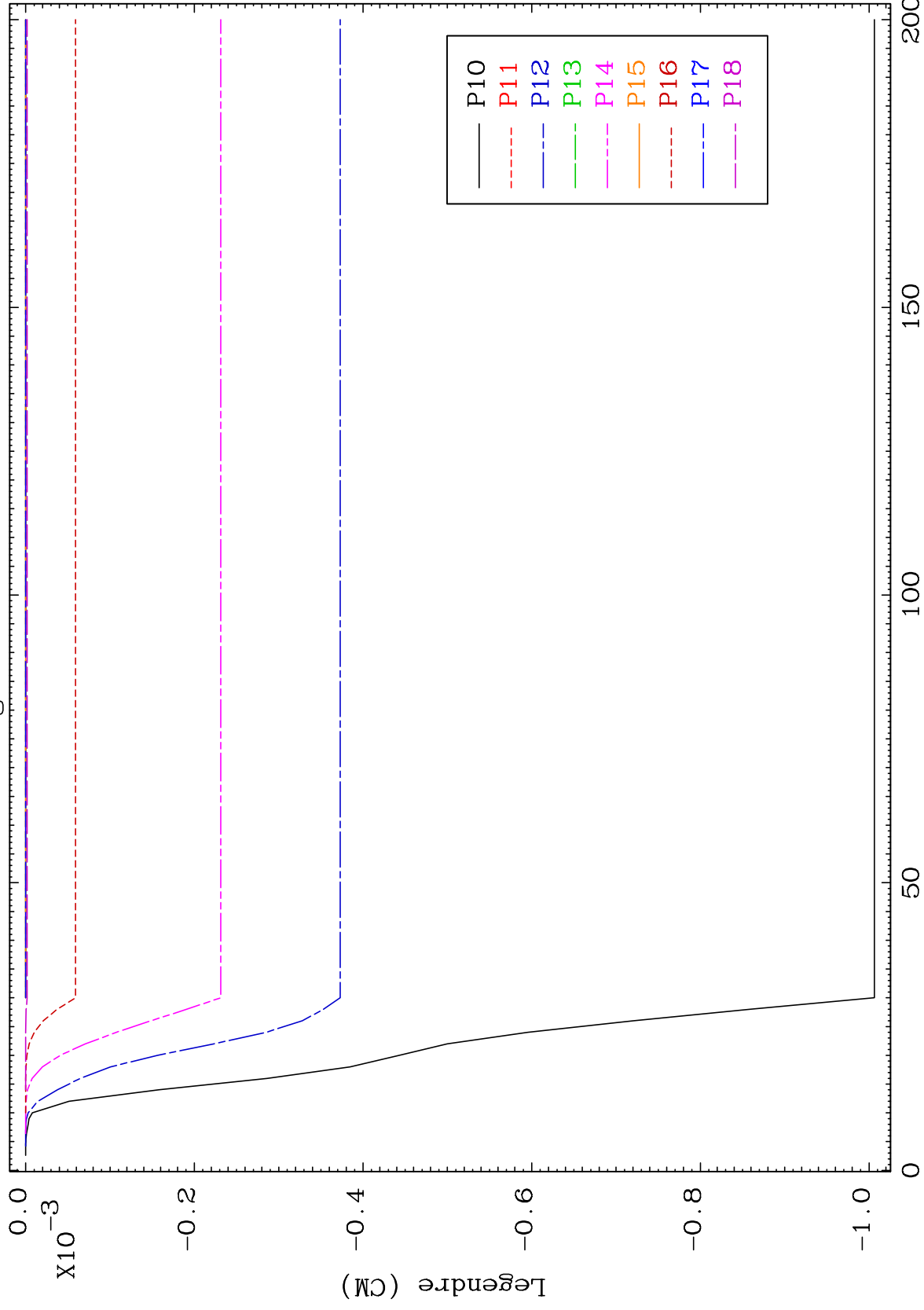
51-Sb-123



51-Sb-123

Incident Energy (MeV)

108

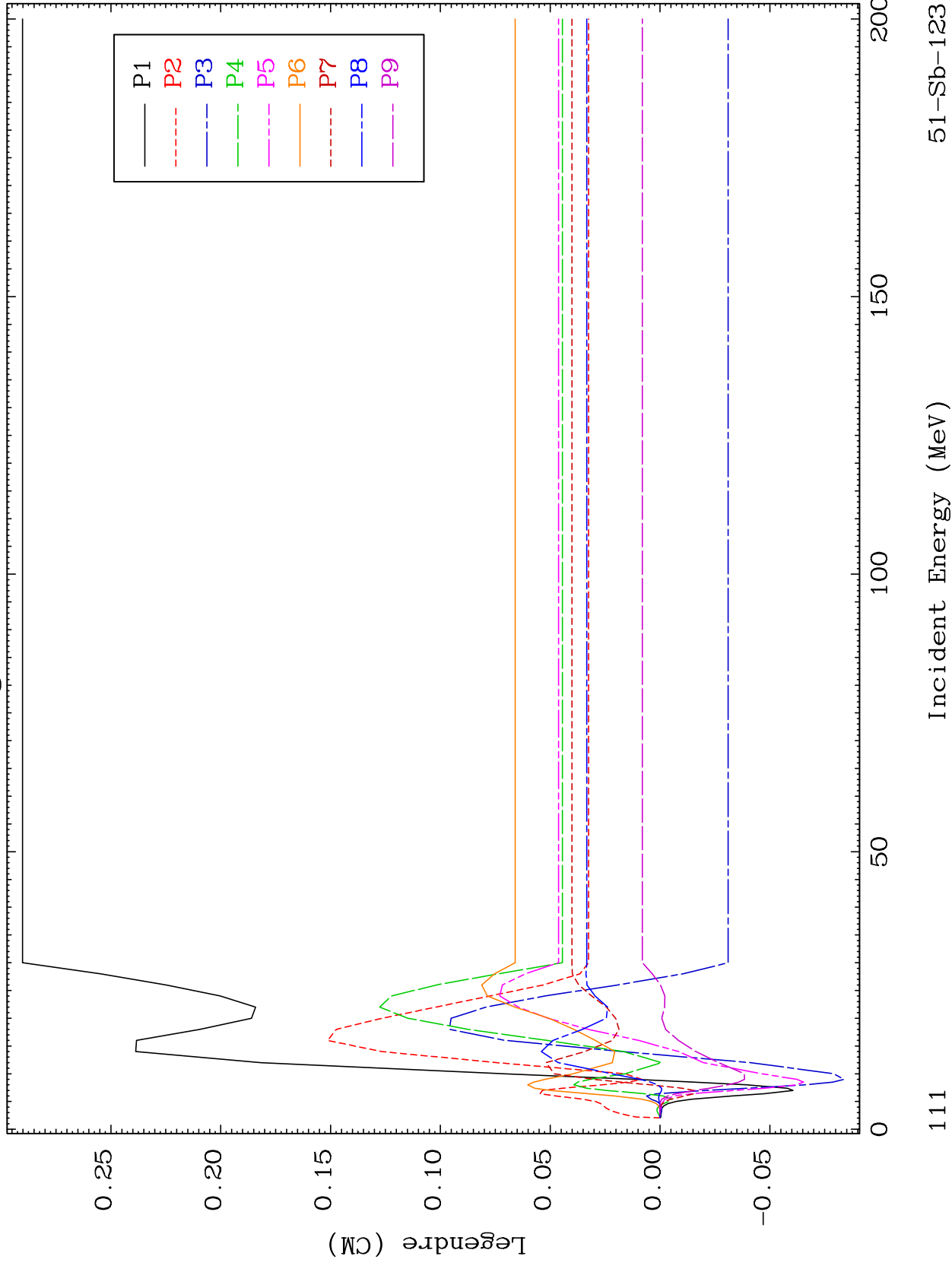




MAT 5131

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

51-Sb-123



51-Sb-123

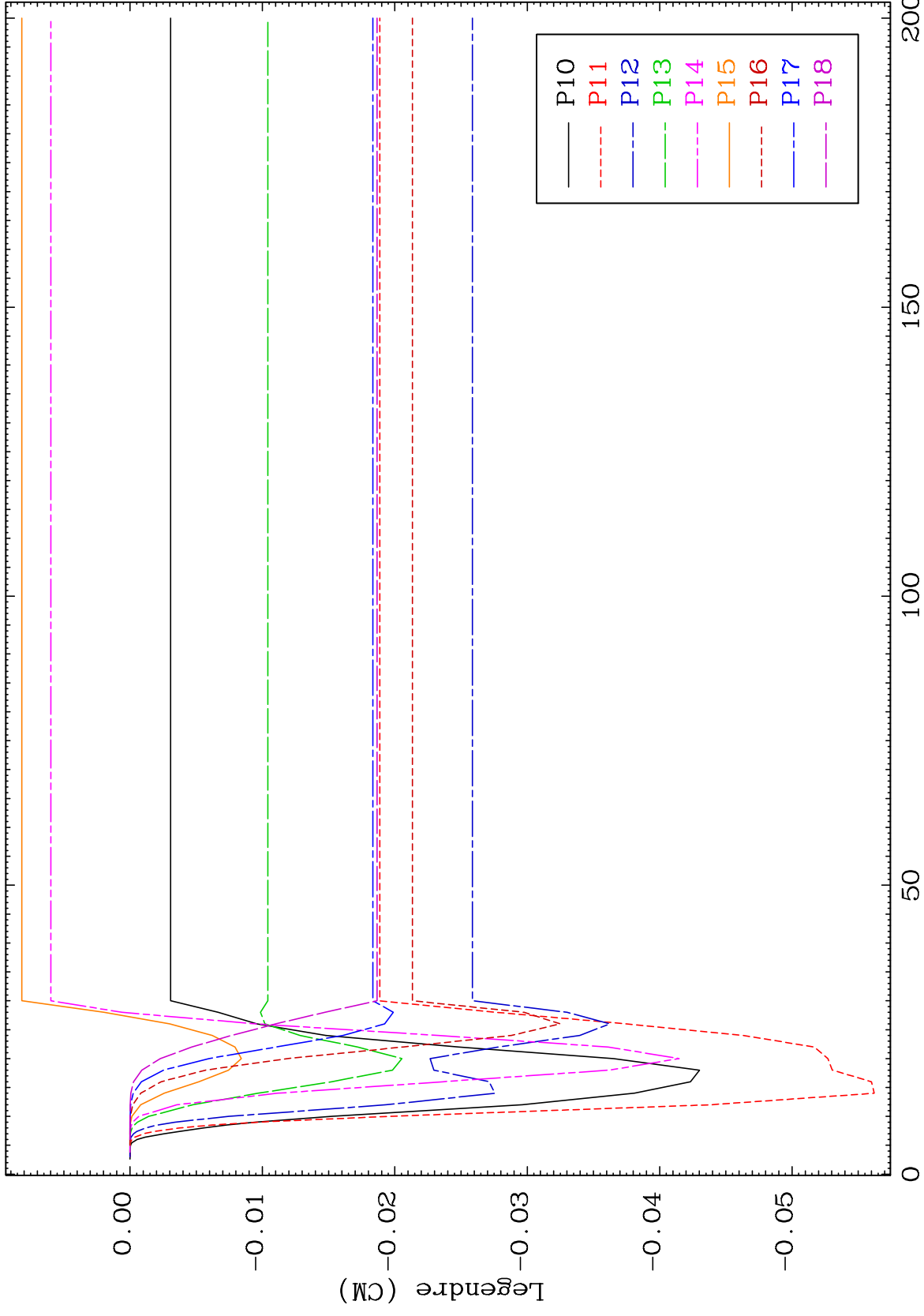
Incident Energy (MeV)

111

MAT 5131

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

51-Sb-123



112

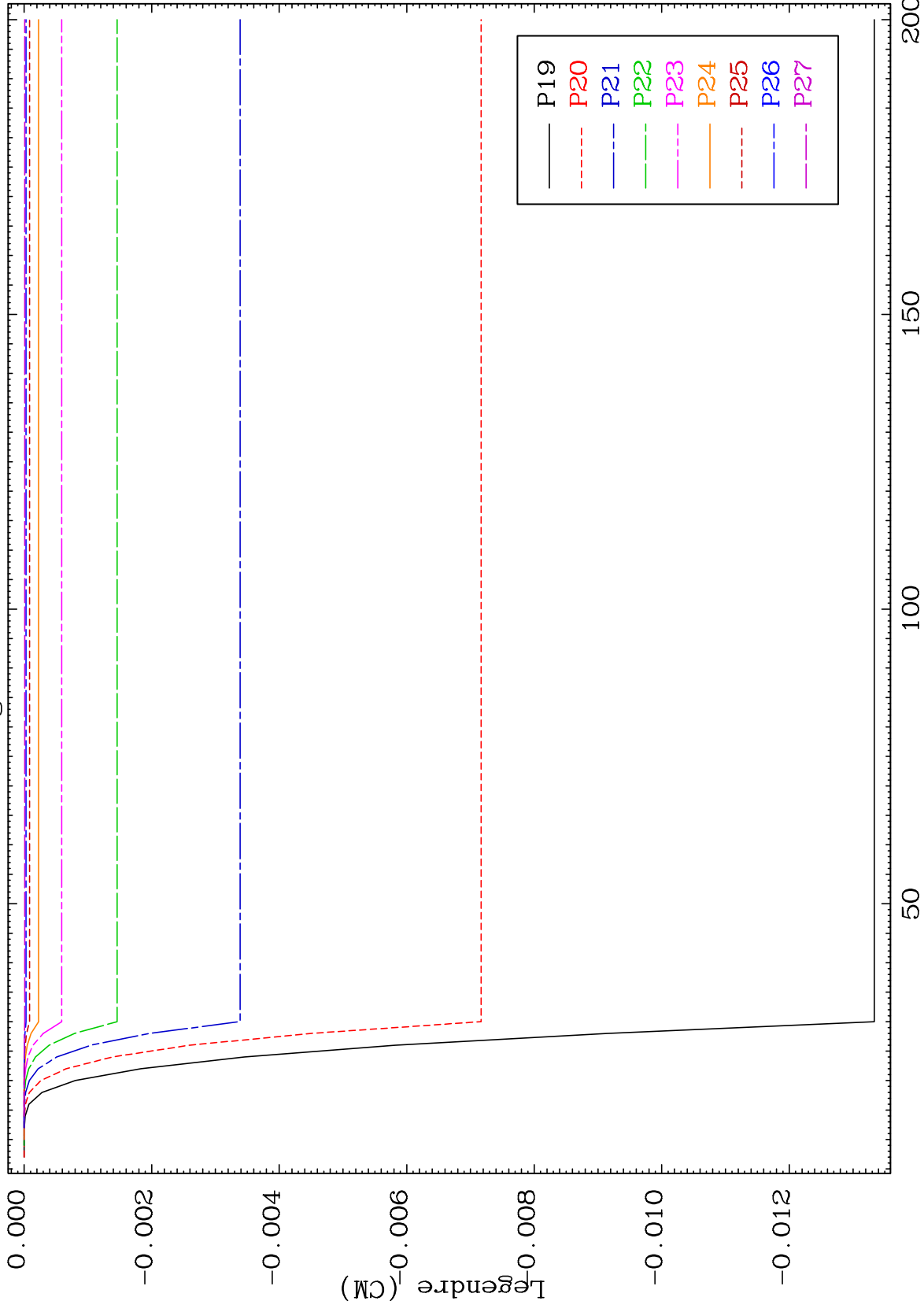
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

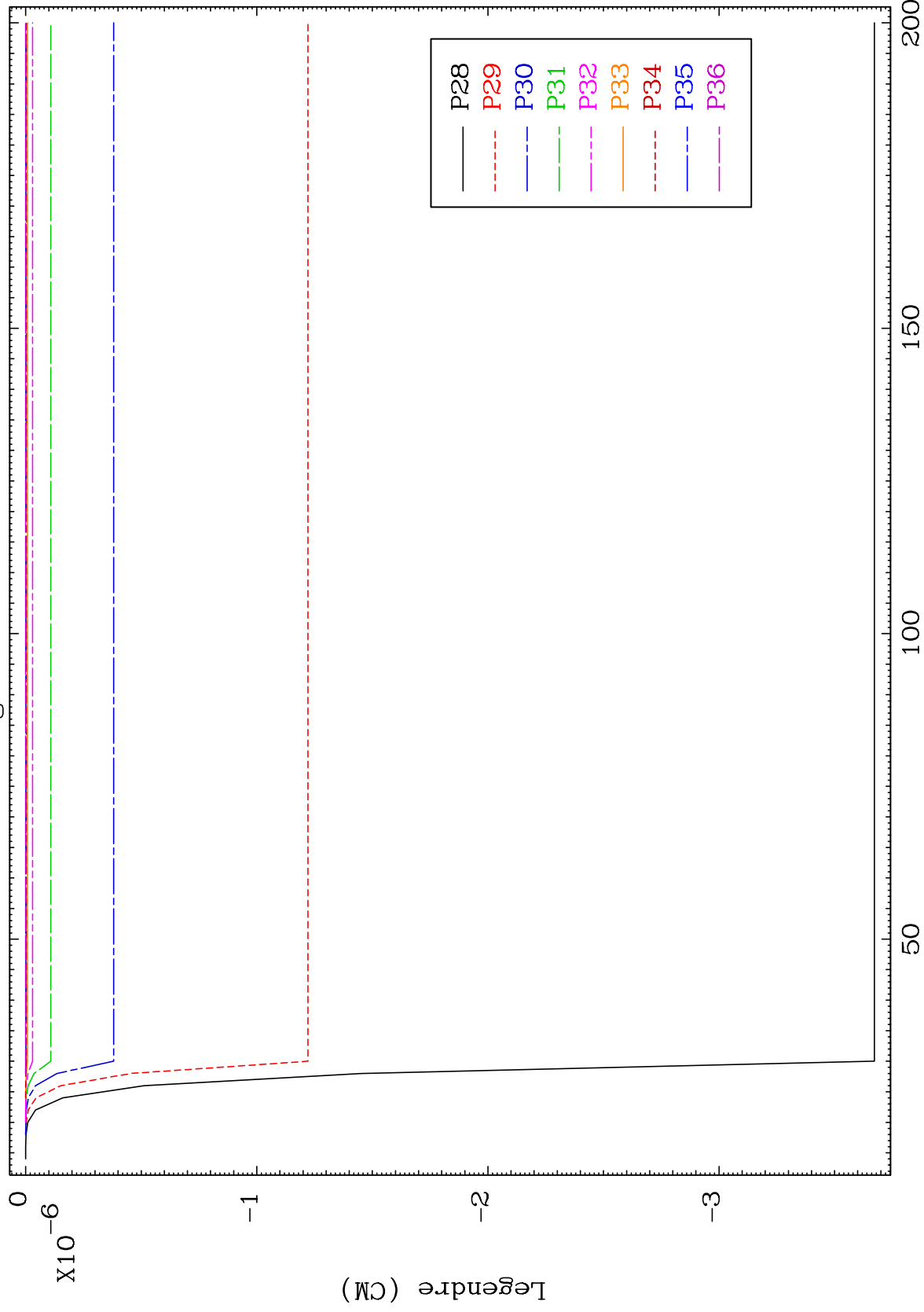
51-Sb-123



MAT 5131

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

51-Sb-123



114

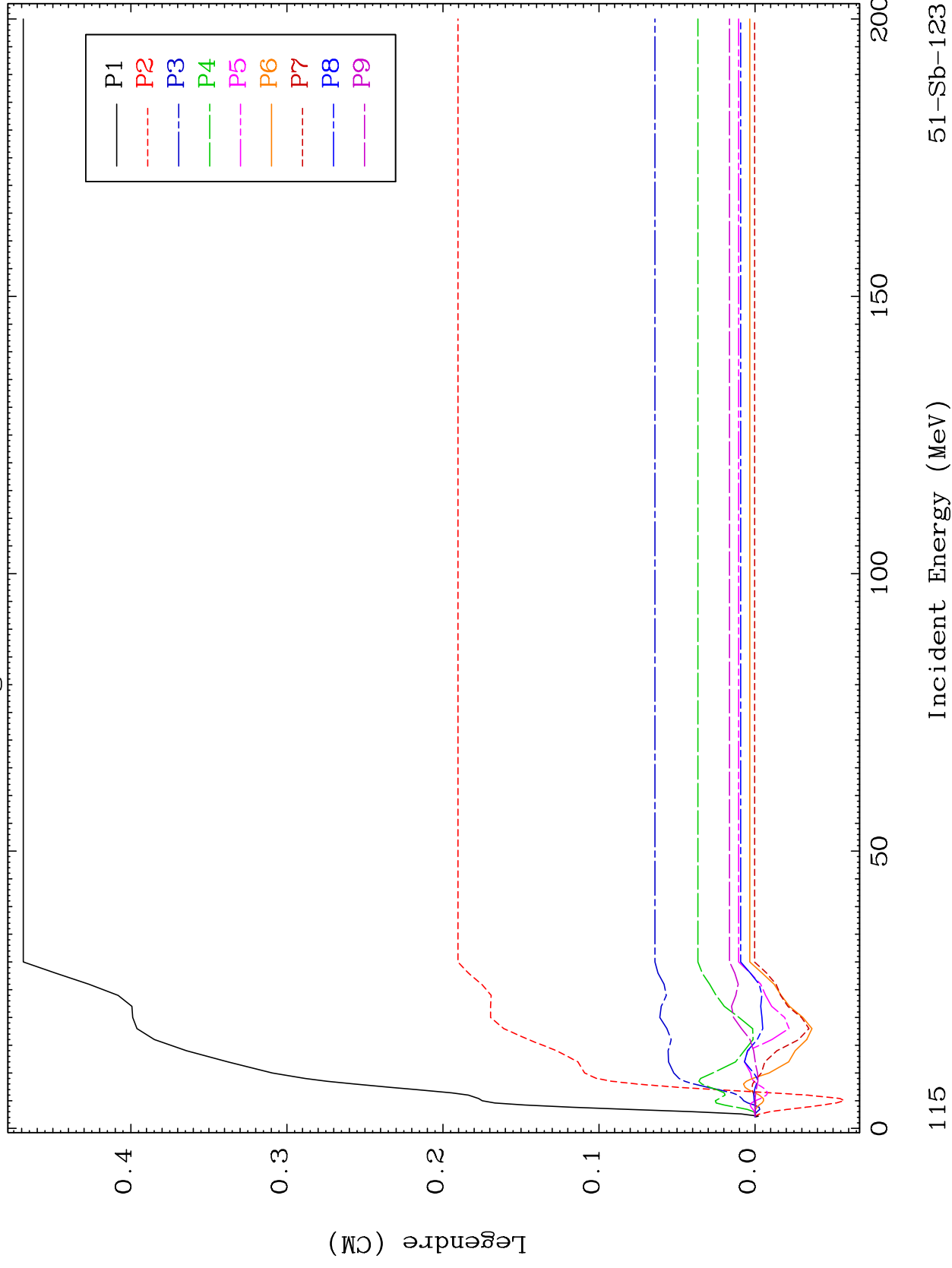
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



51-Sb-123

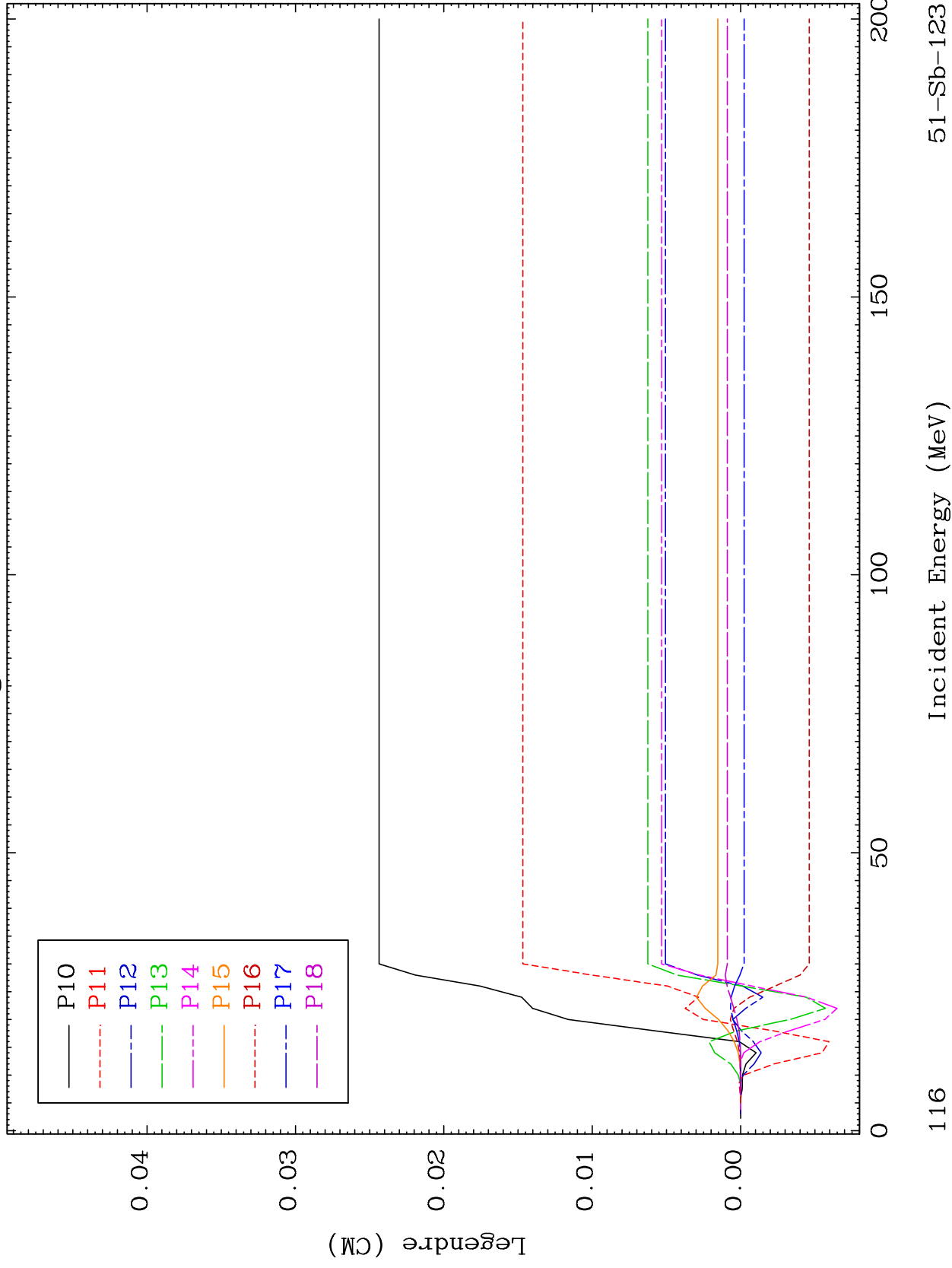
Incident Energy (MeV)

115

MAT 5131

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

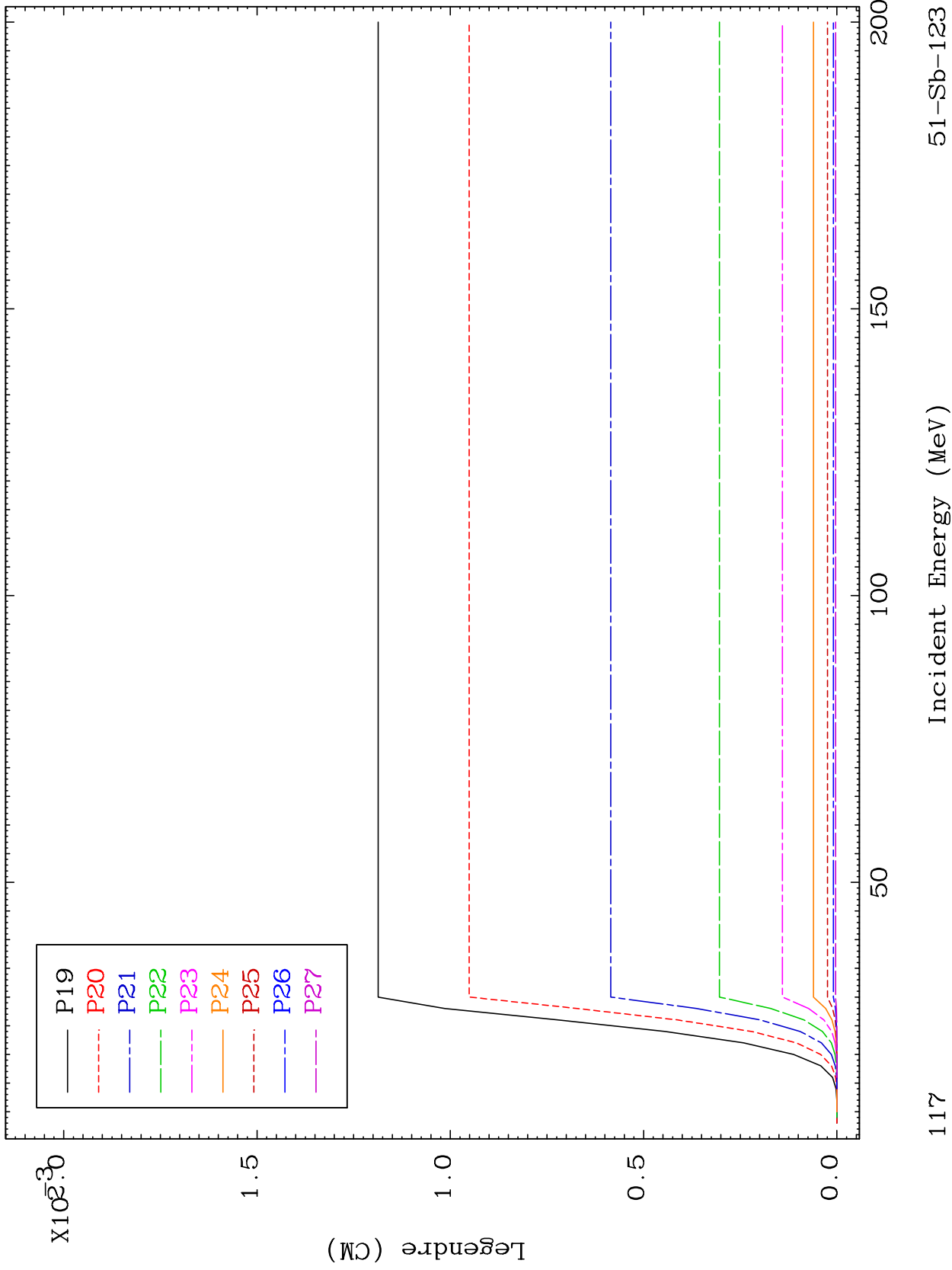
51-Sb-123



51-Sb-123

Incident Energy (MeV)

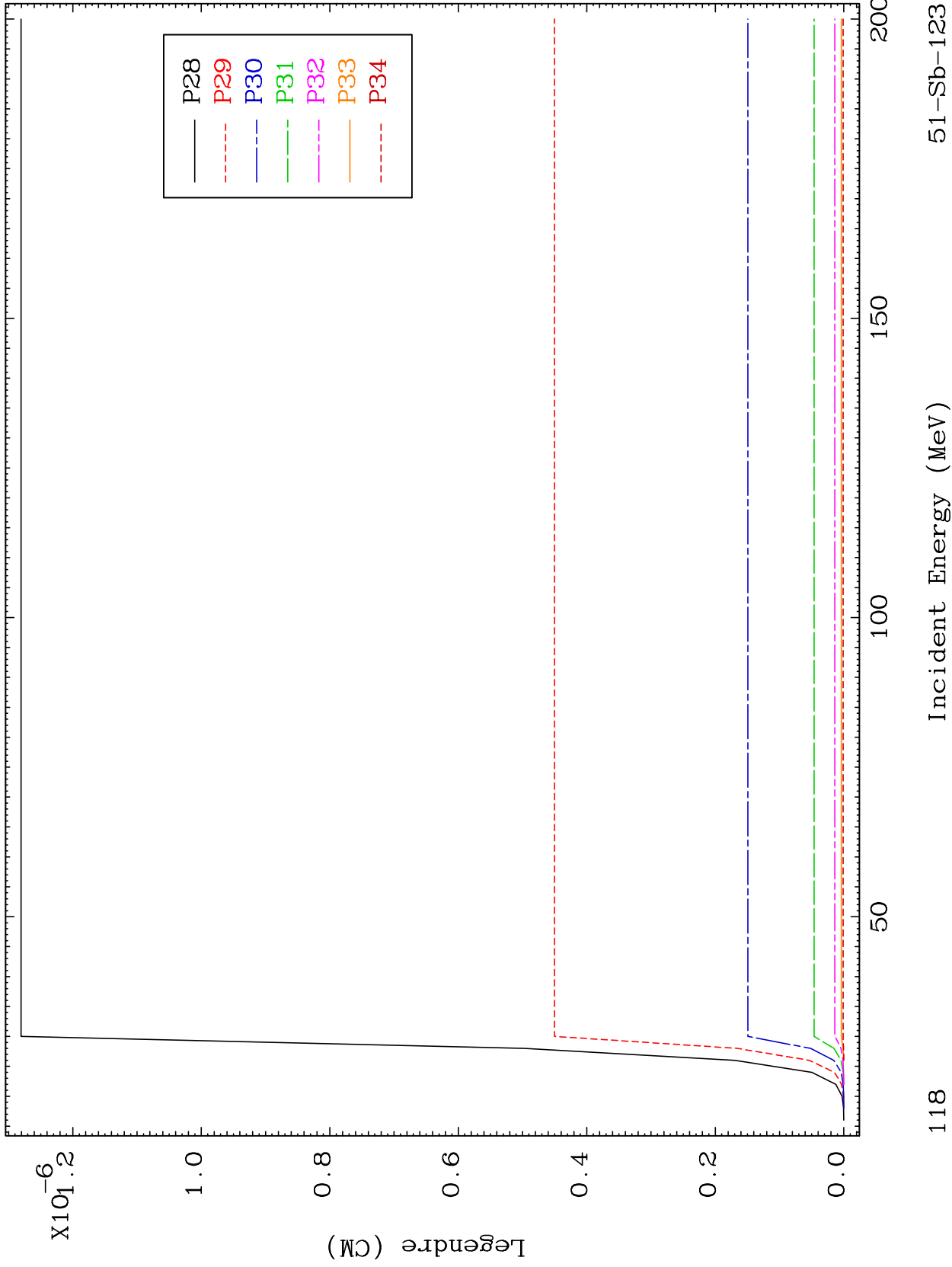
116



MAT 5131

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

51-Sb-123

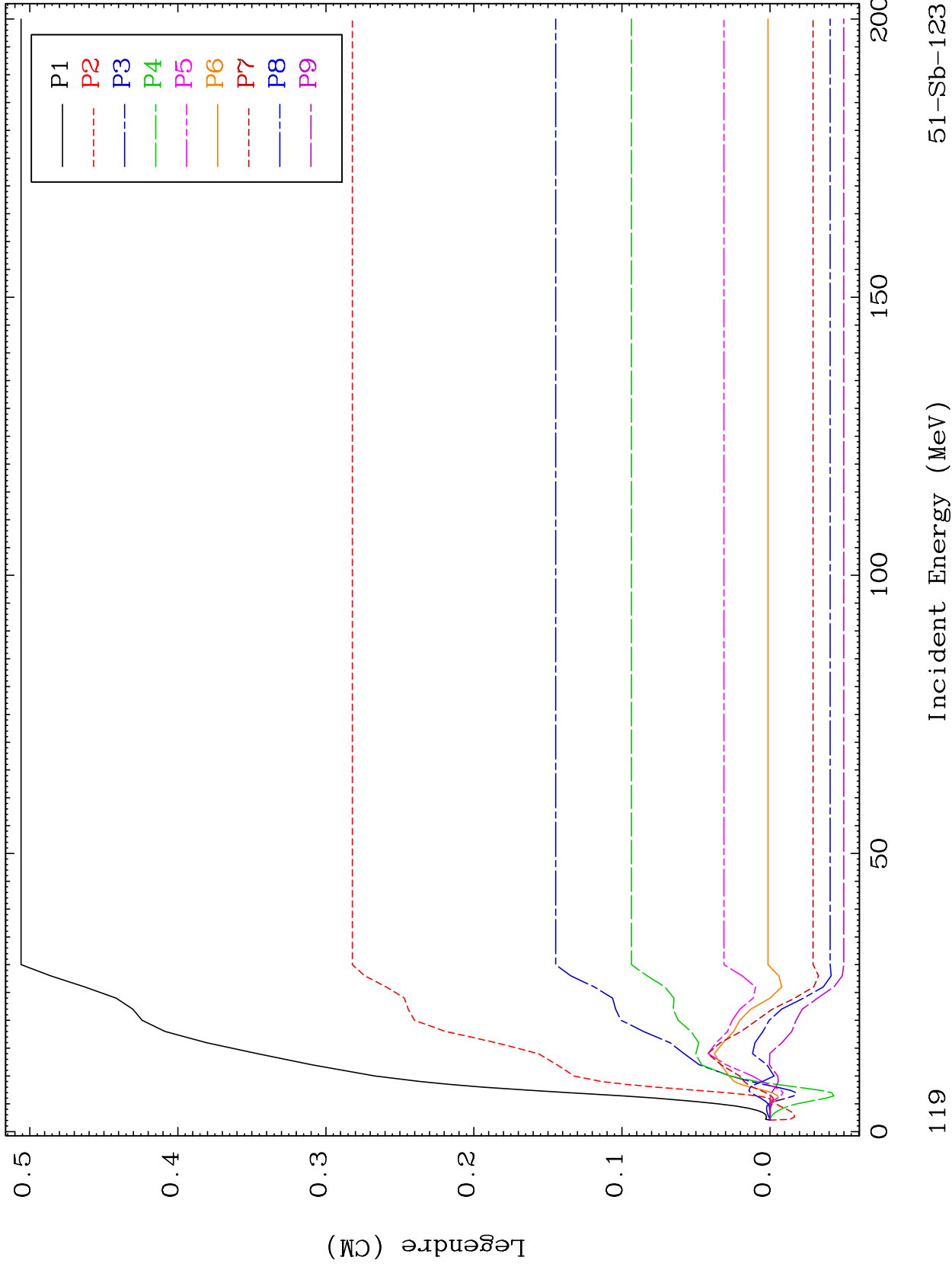


118

MAT 5131

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

51-Sb-123

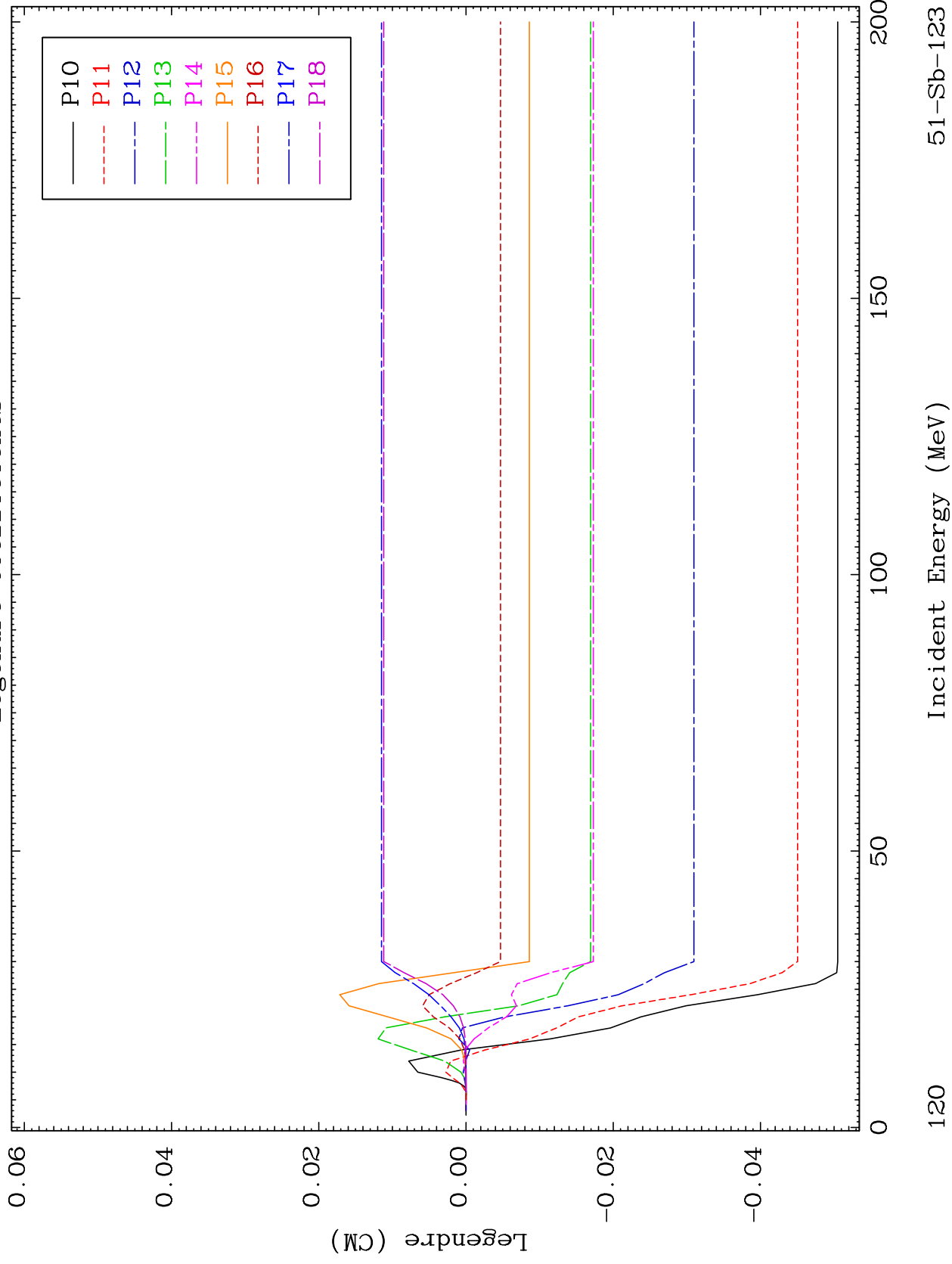


119

MAT 5131

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

51-Sb-123



51-Sb-123

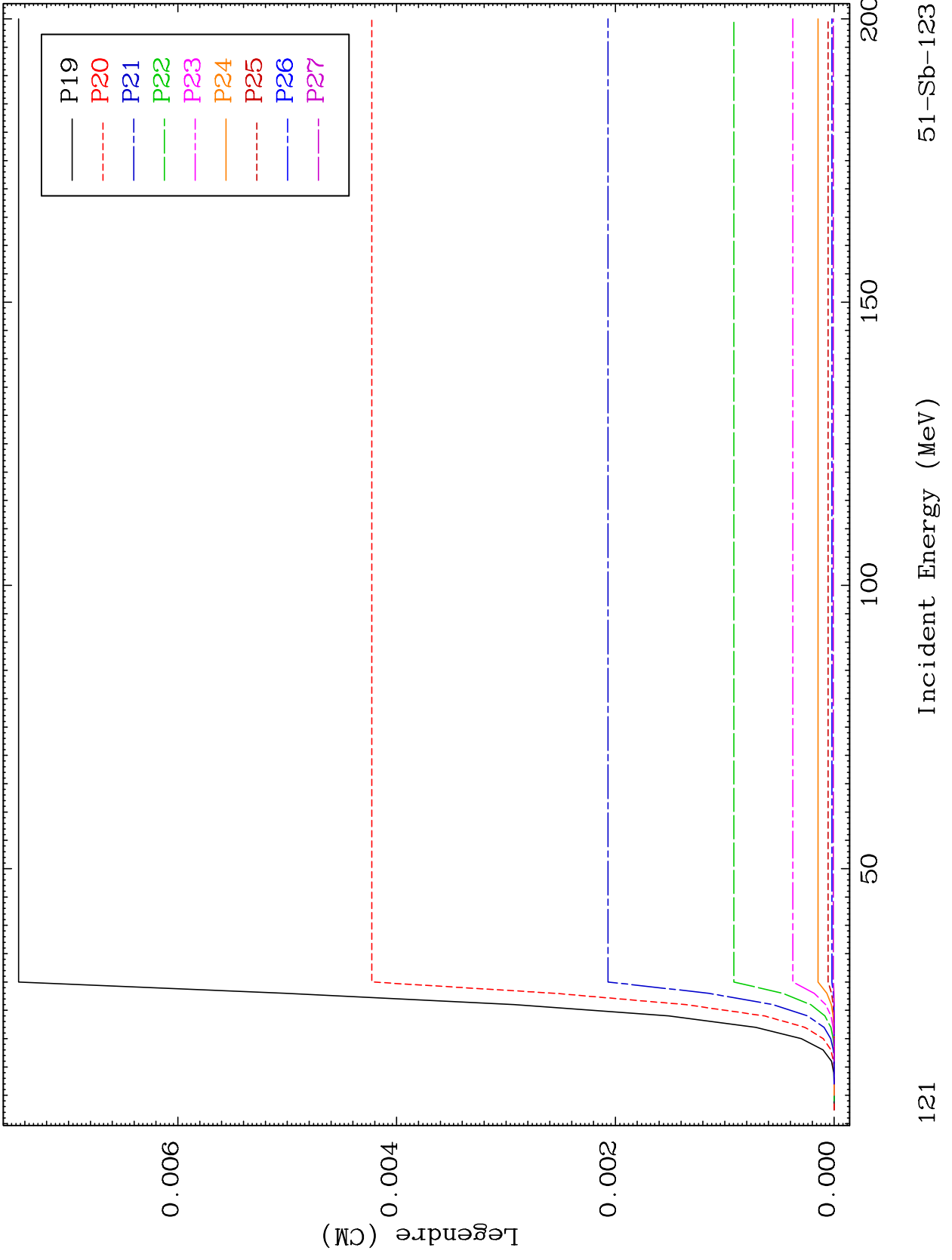
Incident Energy (MeV)

120

MAT 5131

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

51-Sb-123



121

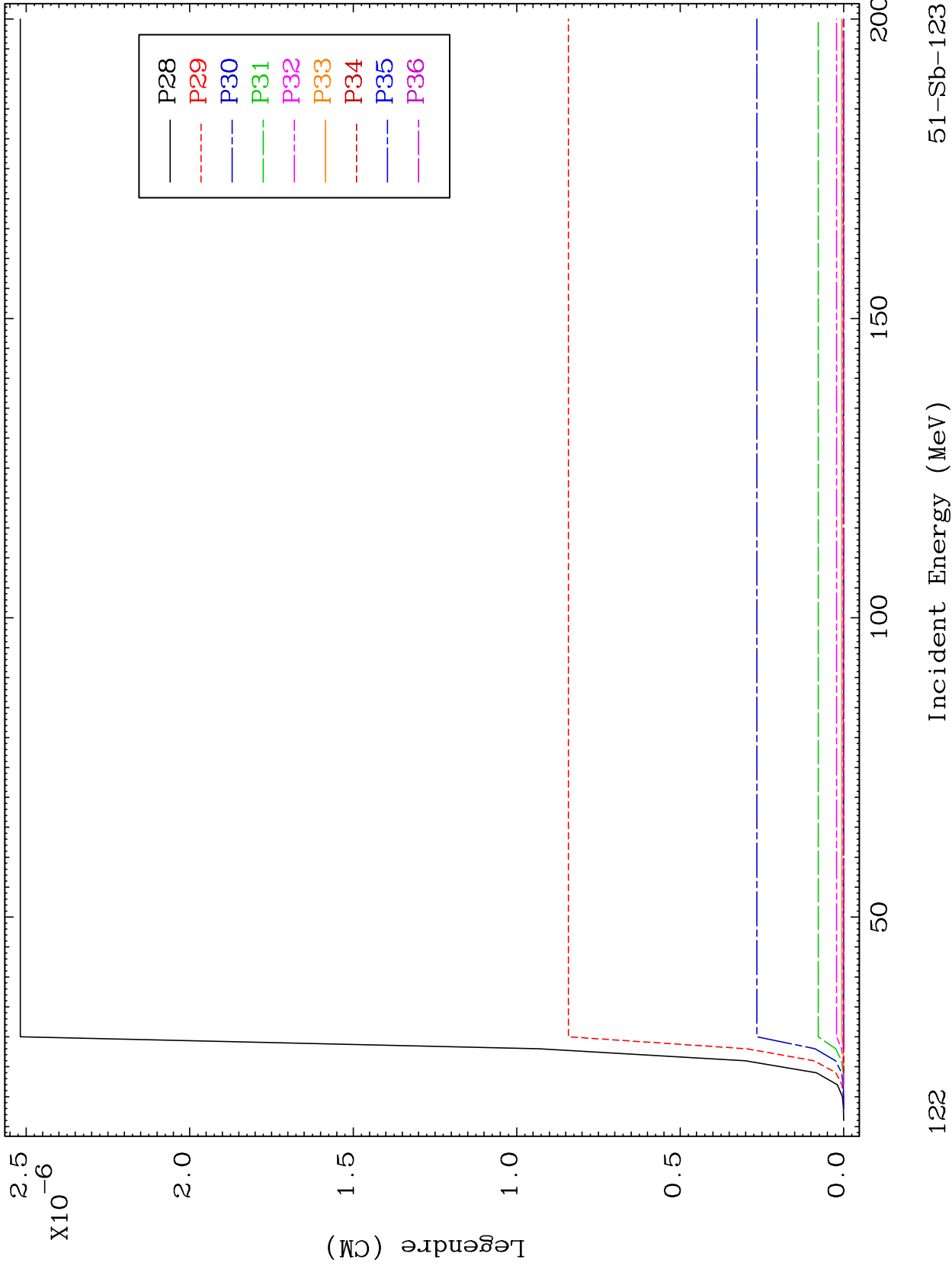
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



122

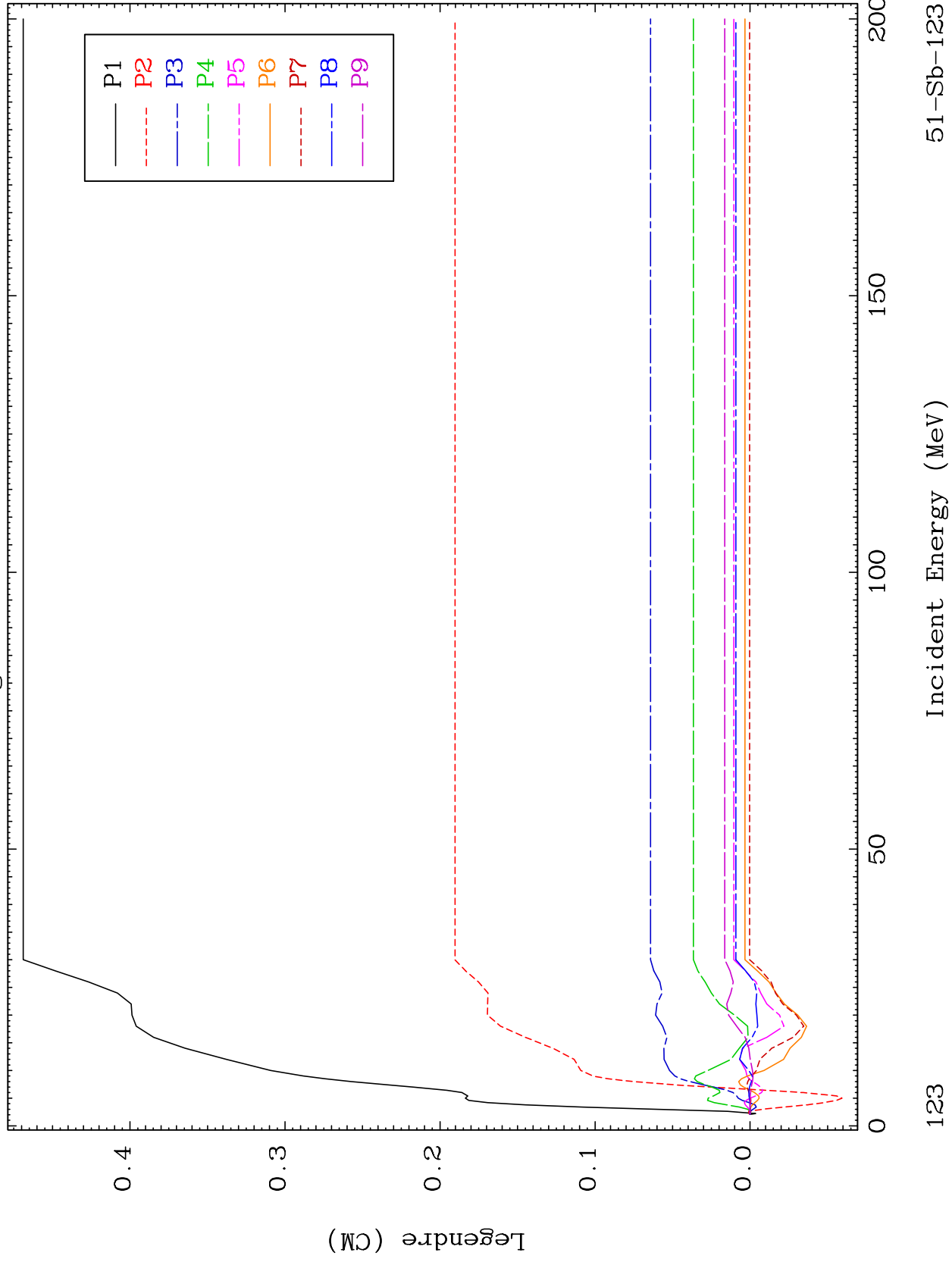
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



51-Sb-123

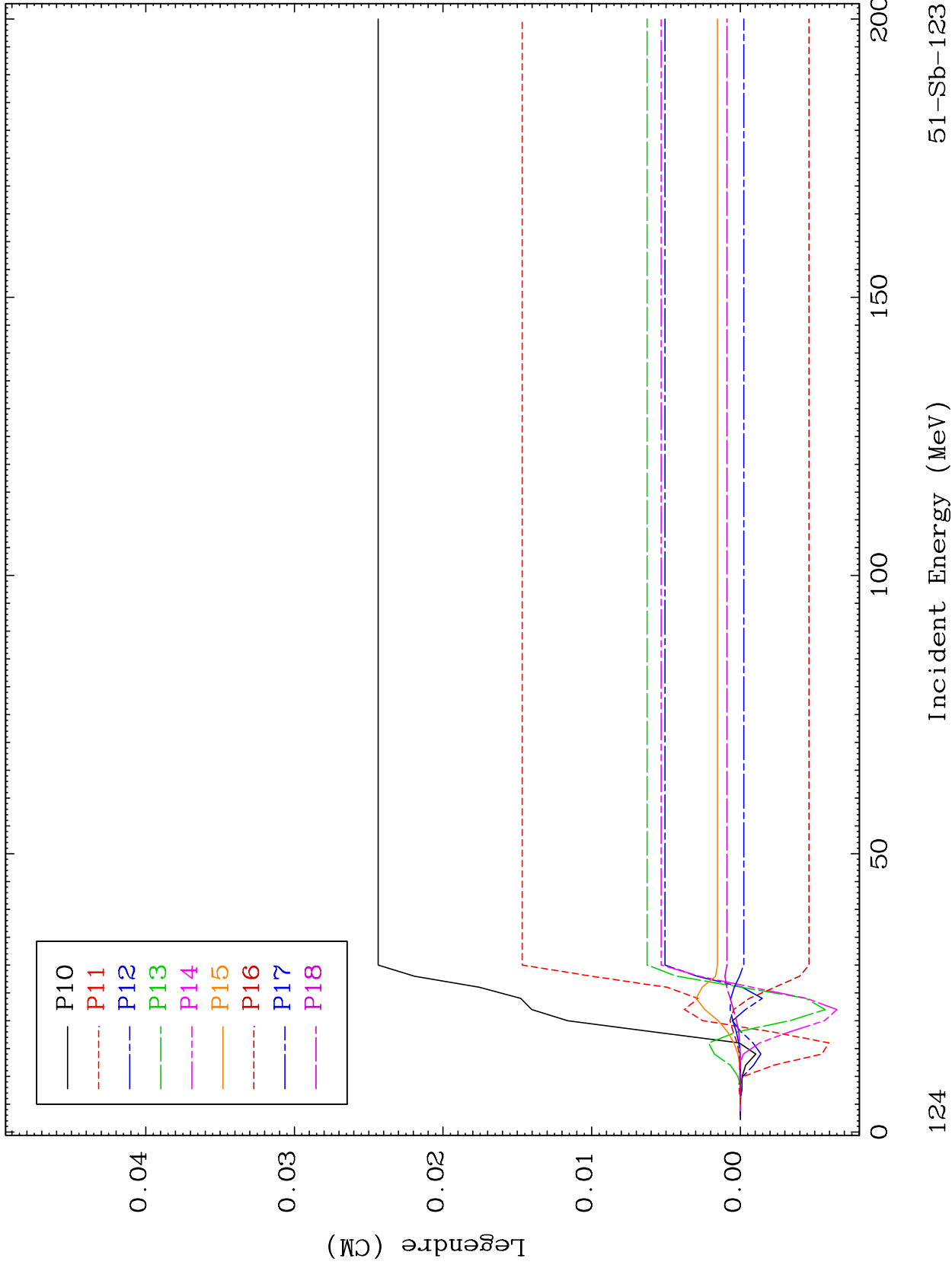
Incident Energy (MeV)

123

MAT 5131

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

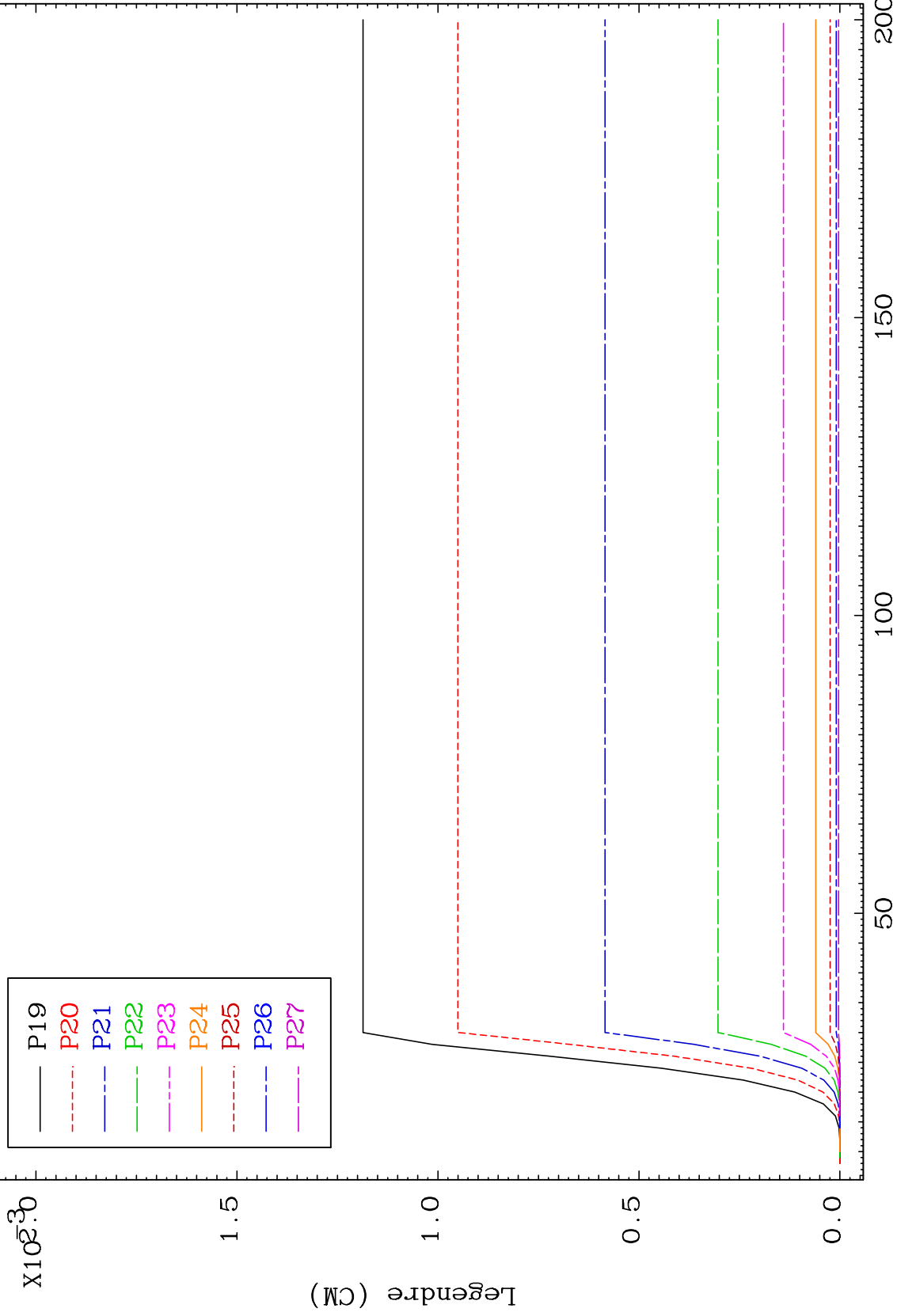
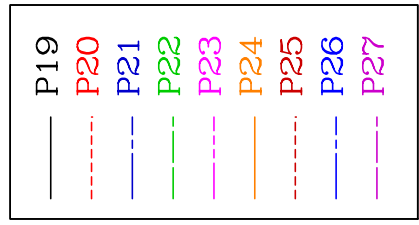
51-Sb-123



MAT 5131

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

51-Sb-123



125

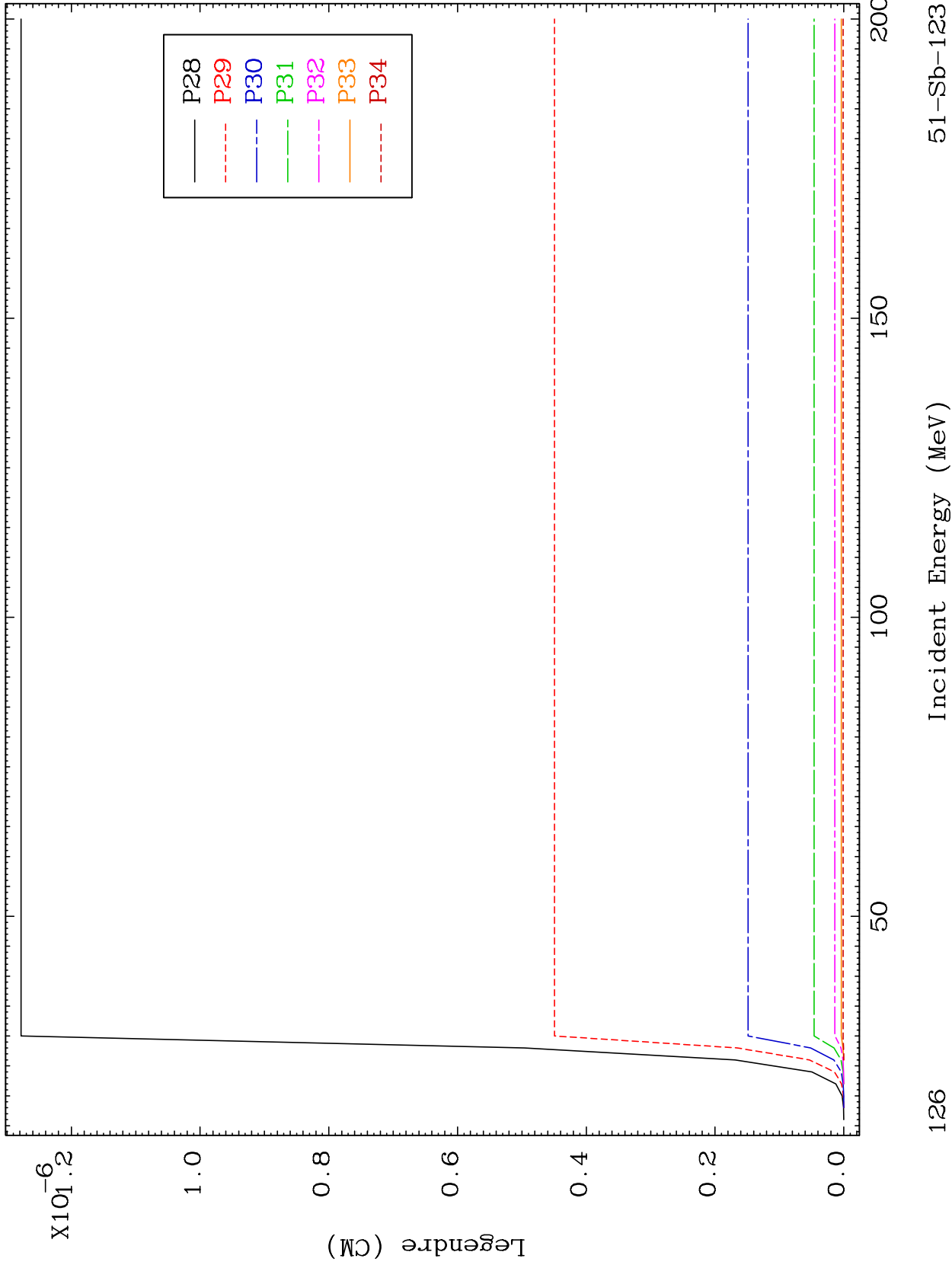
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

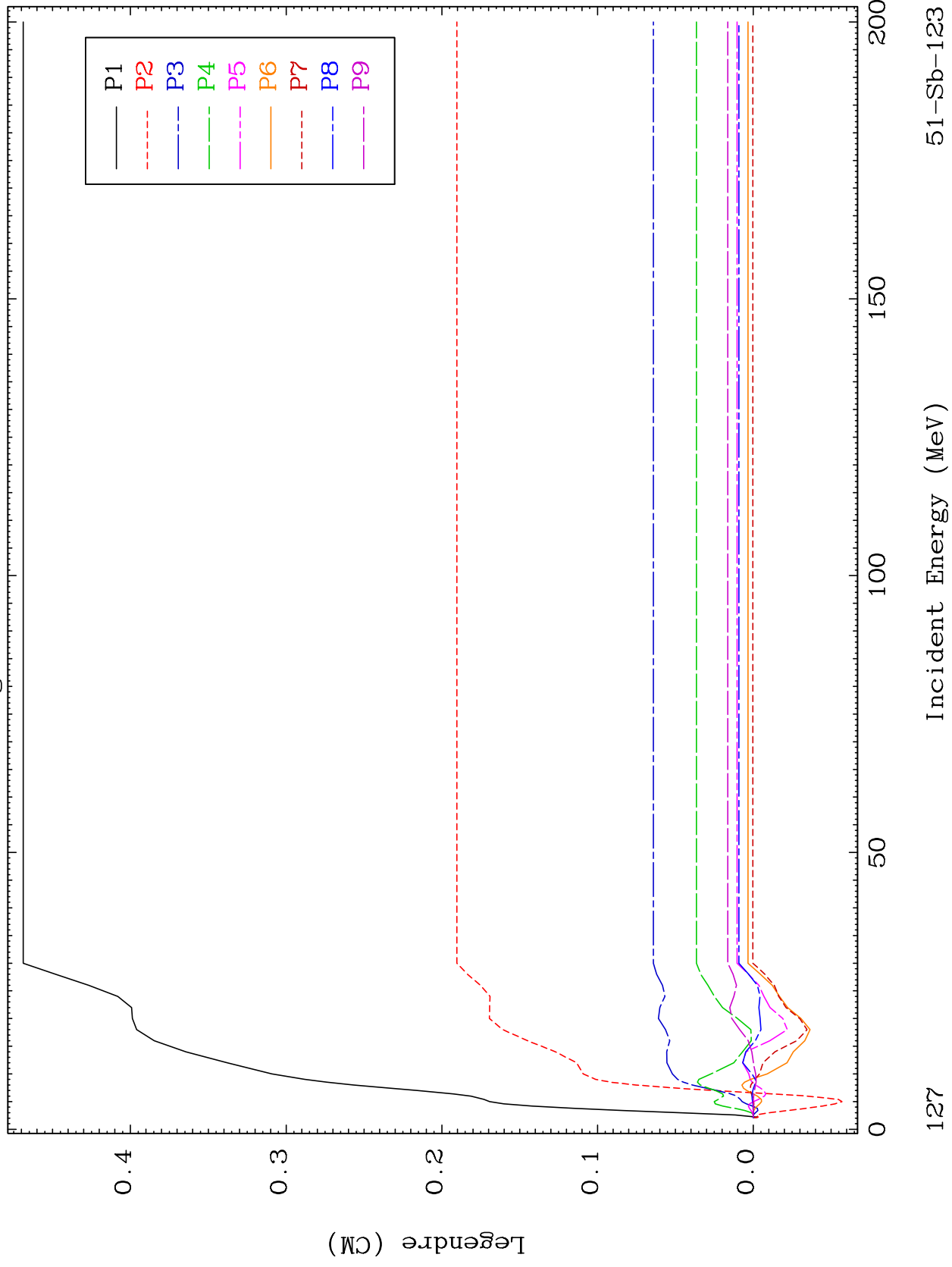
51-Sb-123



MAT 5131

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

51-Sb-123



51-Sb-123

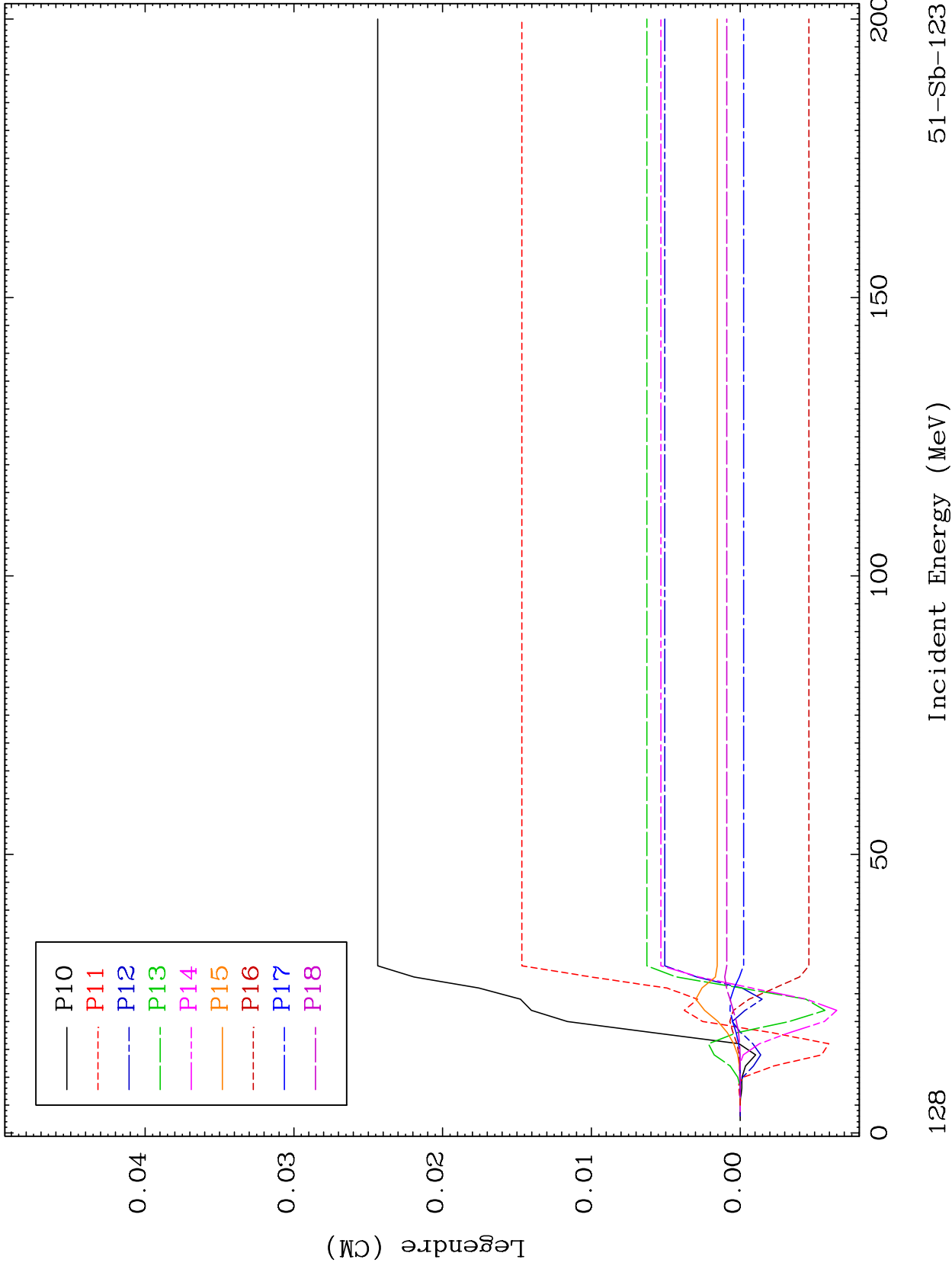
Incident Energy (MeV)

127

MAT 5131

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

51-Sb-123



128

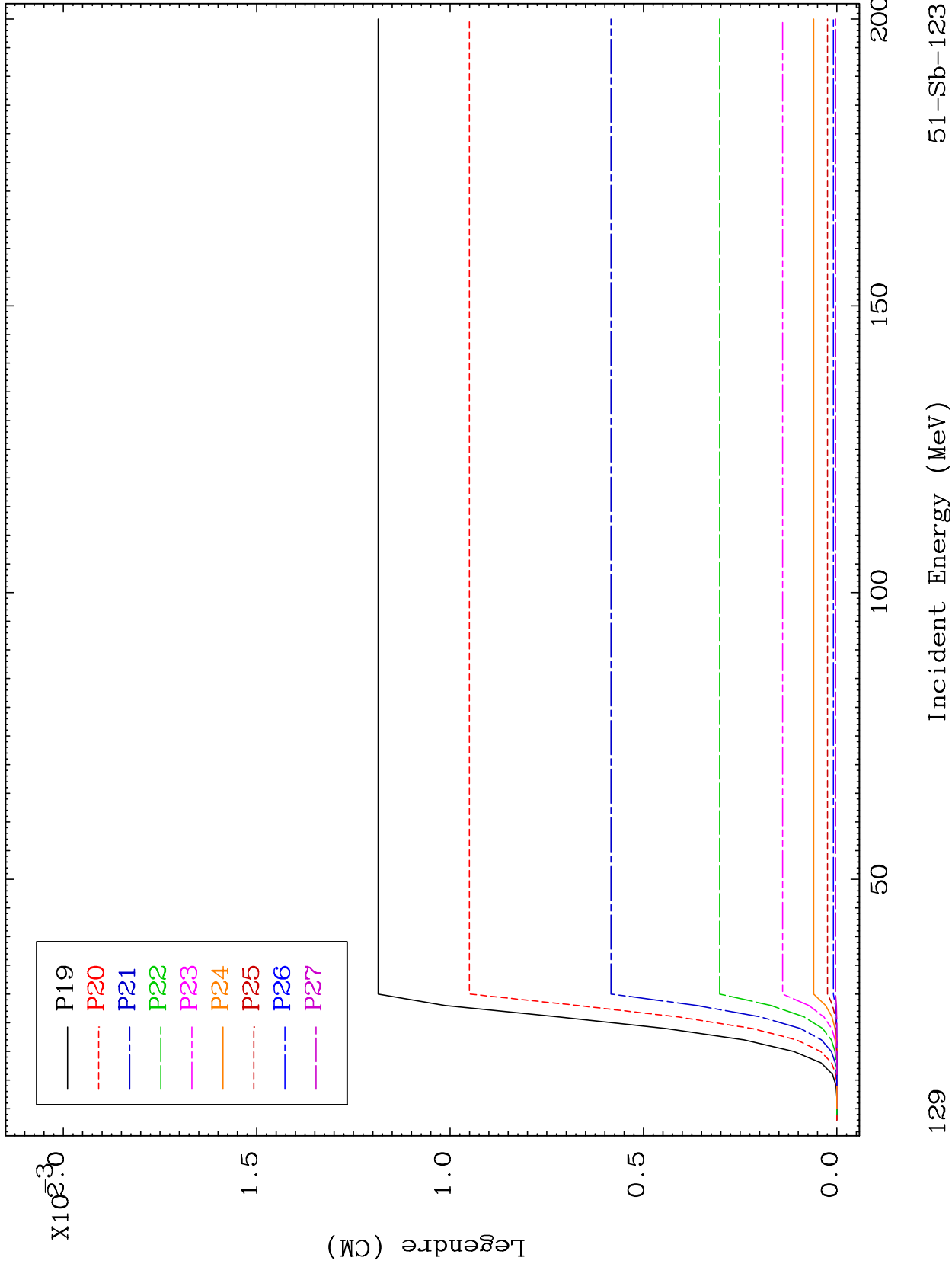
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

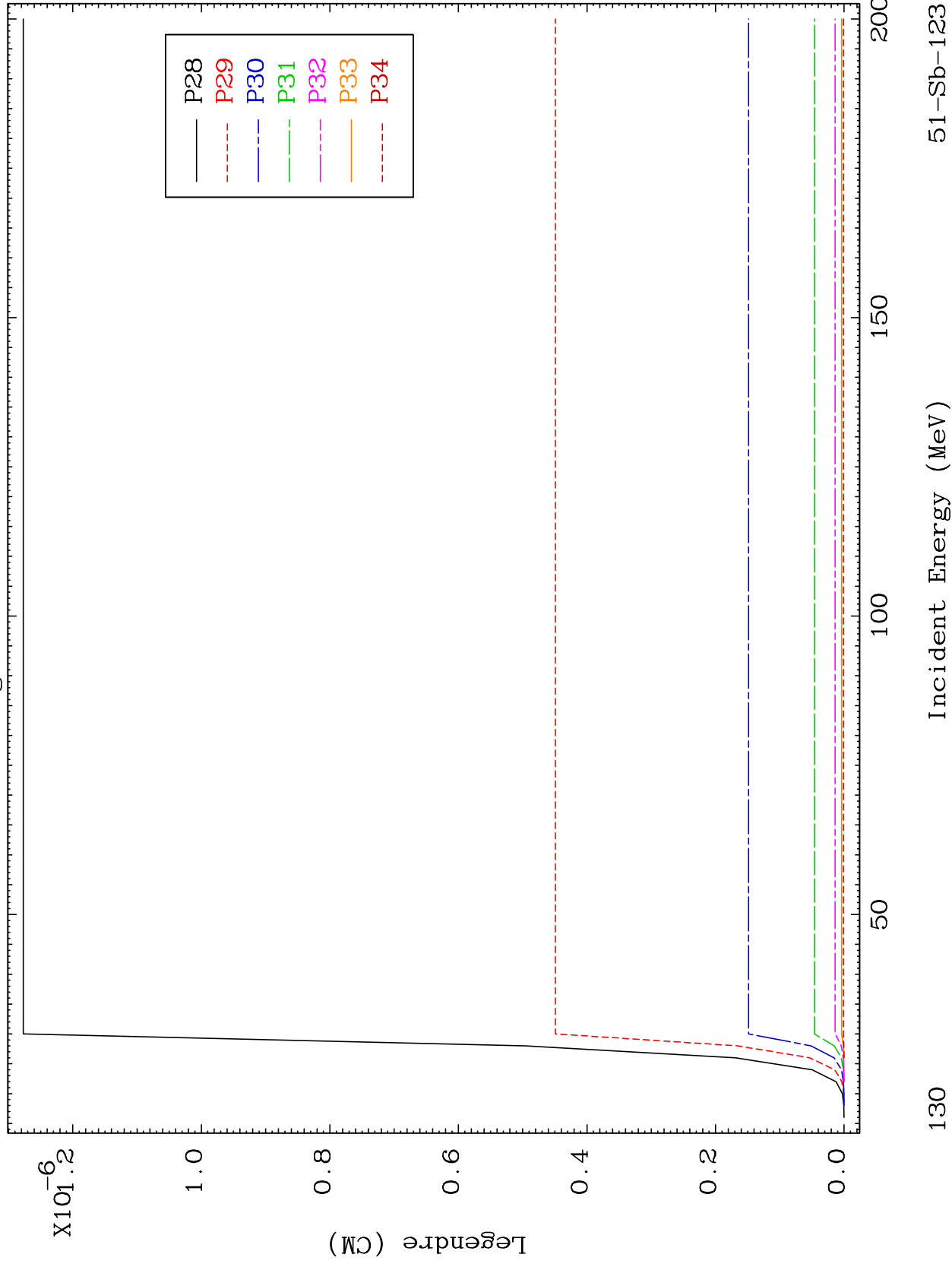
51-Sb-123



MAT 5131

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

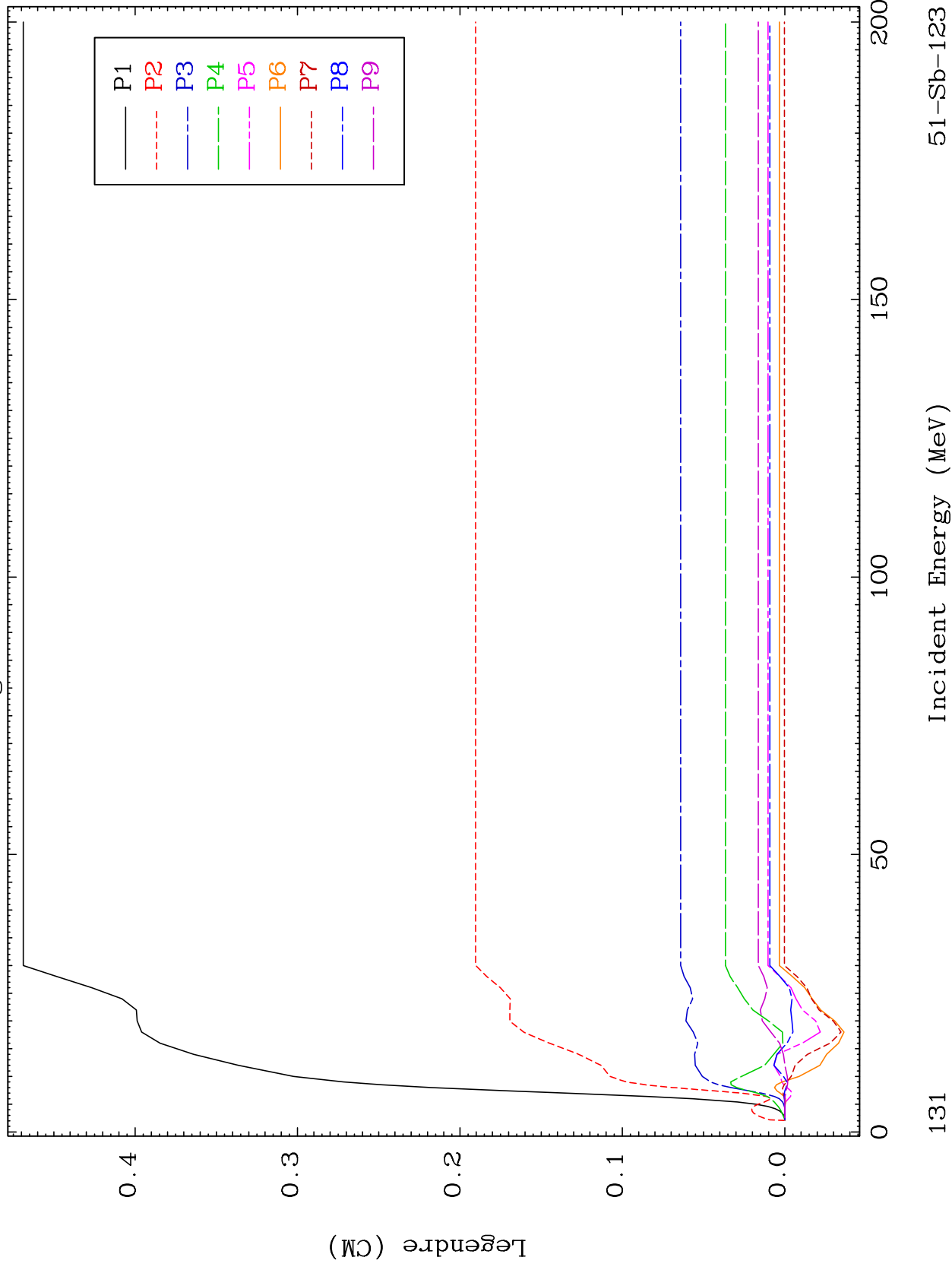
51-Sb-123



MAT 5131

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

51-Sb-123



51-Sb-123

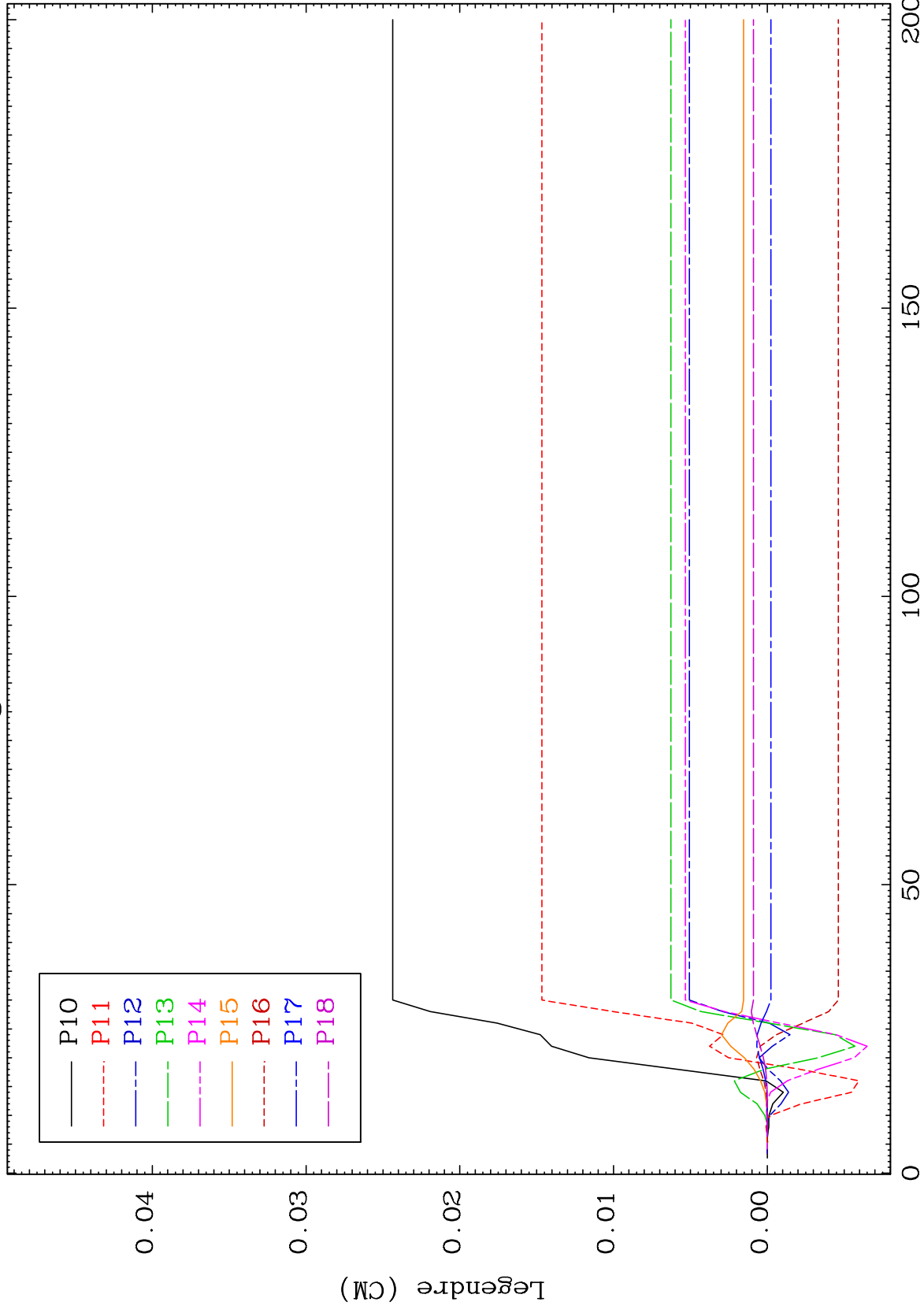
Incident Energy (MeV)

131

MAT 5131

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

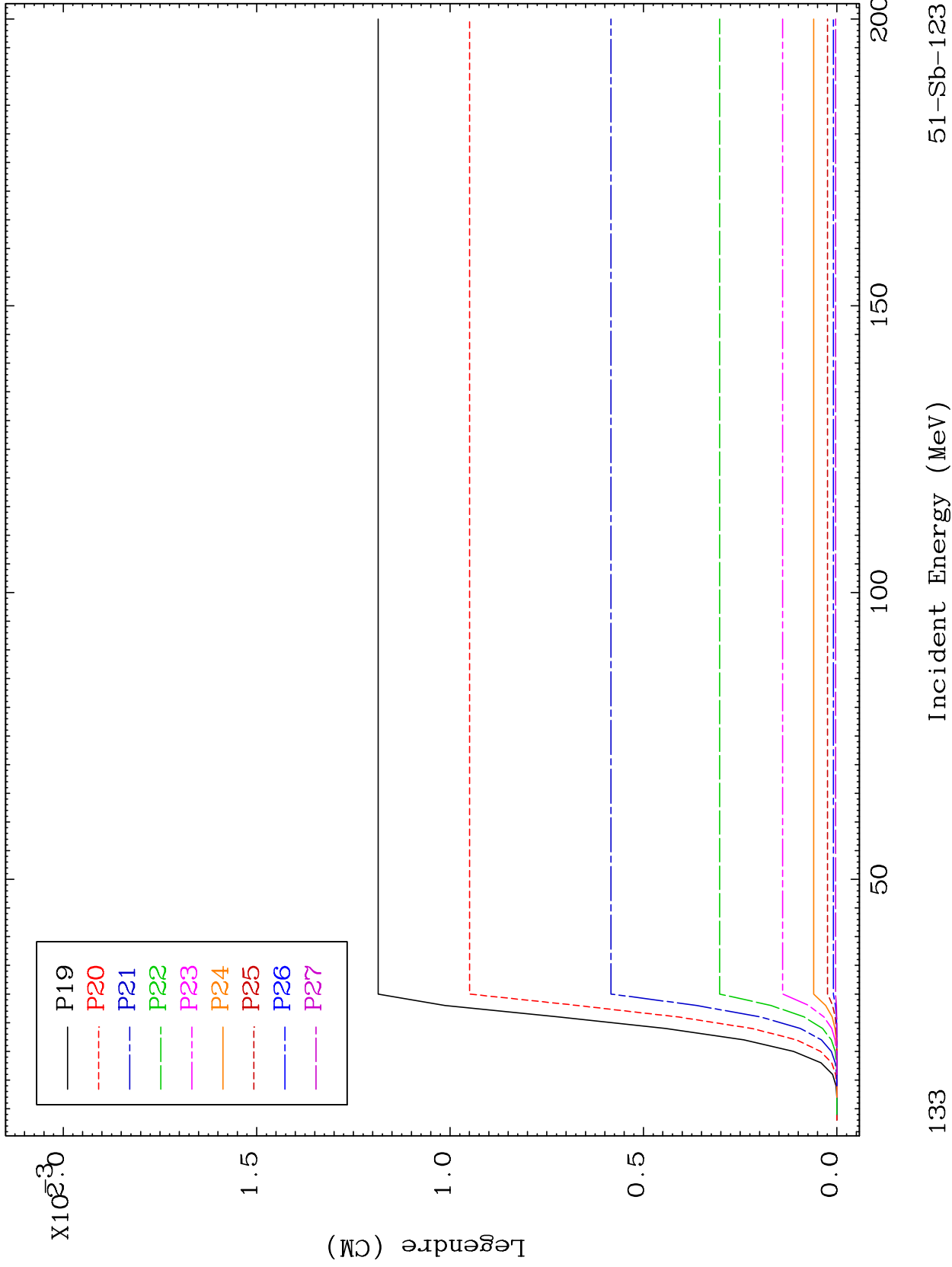
51-Sb-123



132

Incident Energy (MeV)

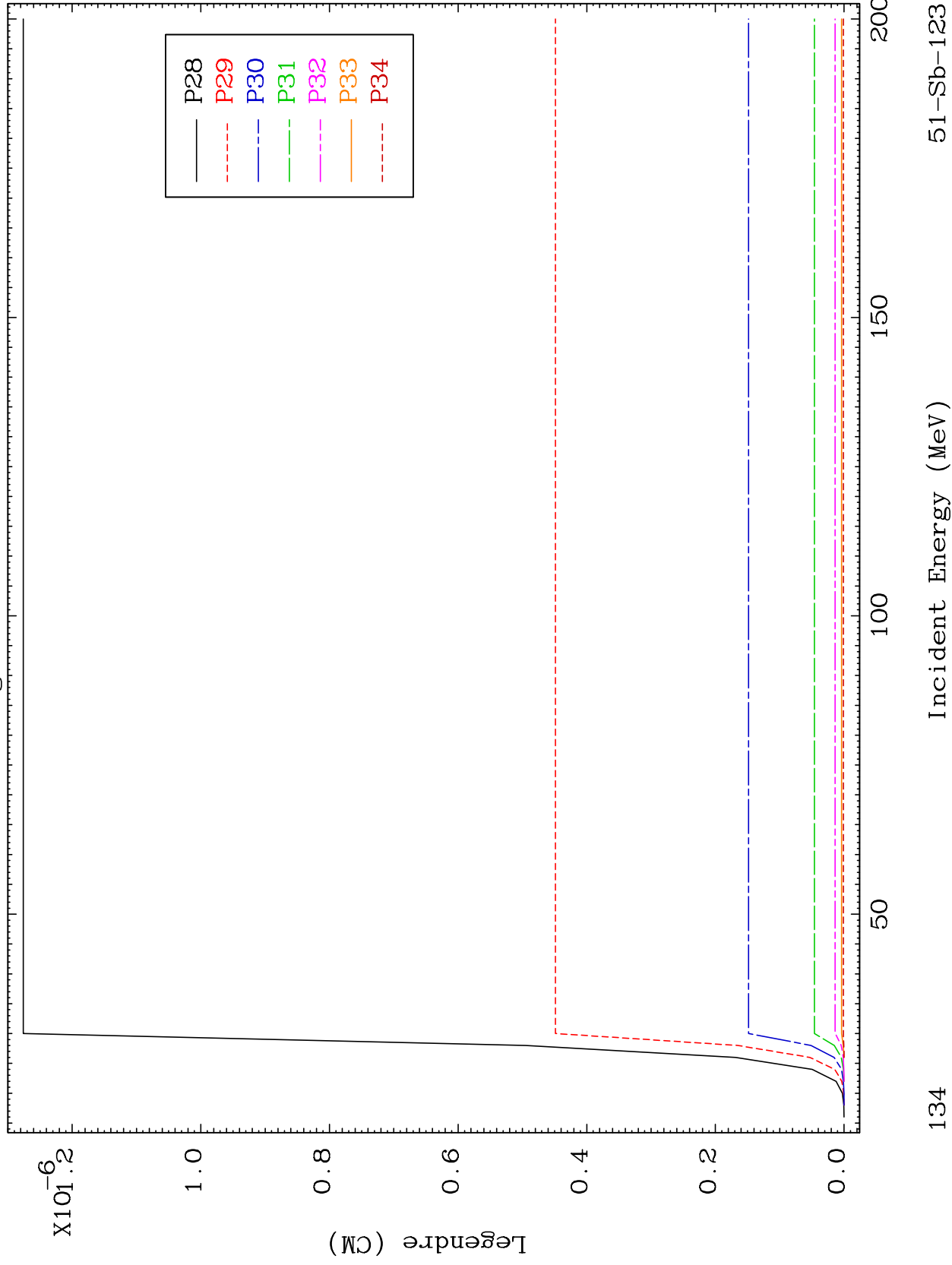
51-Sb-123



MAT 5131

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

51-Sb-123



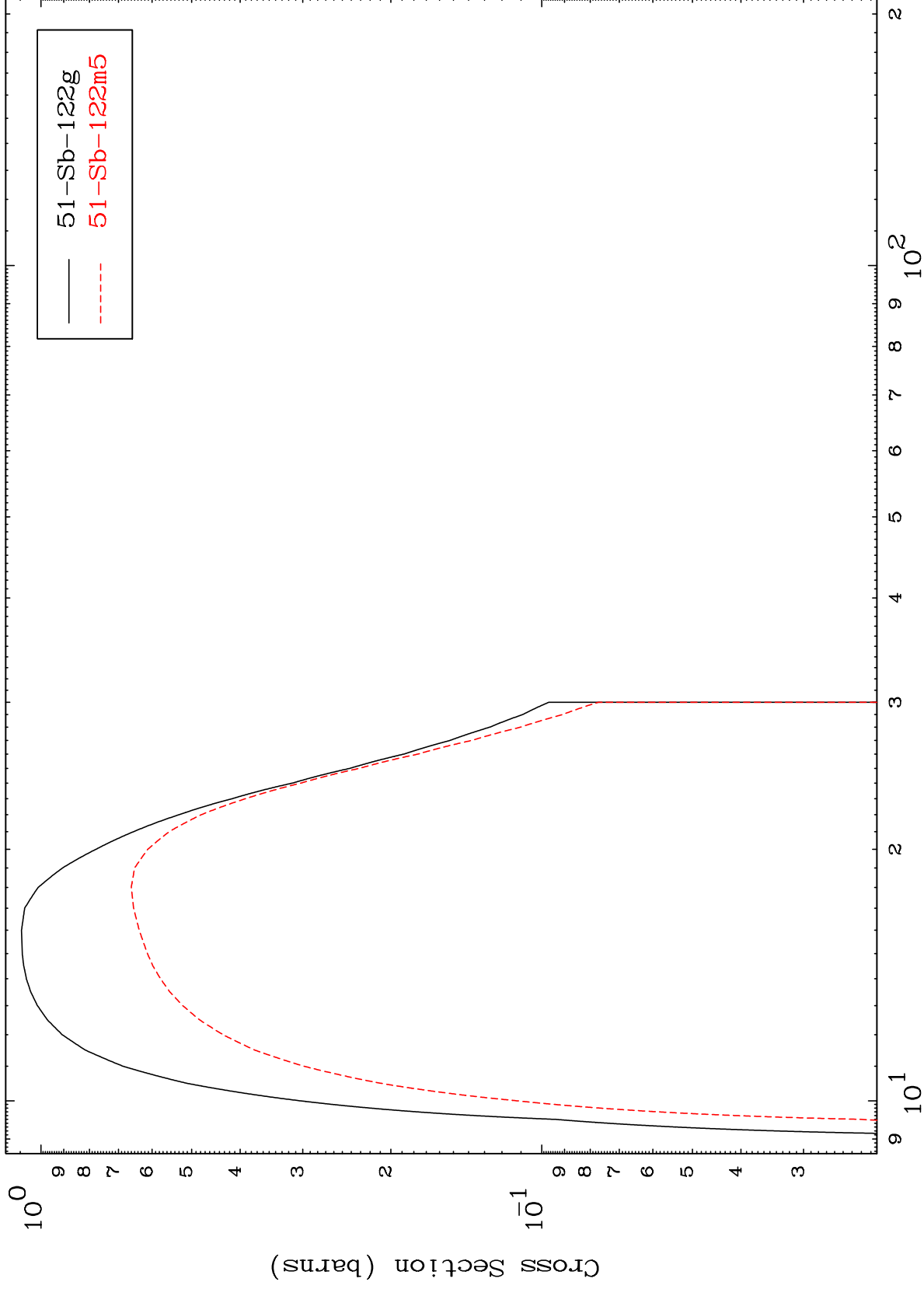
134

51-Sb-123

MAT 5131

51-Sb-123

(n,2n)  
Radionuclide Production Cross Section



51-Sb-123

Incident Energy (MeV)

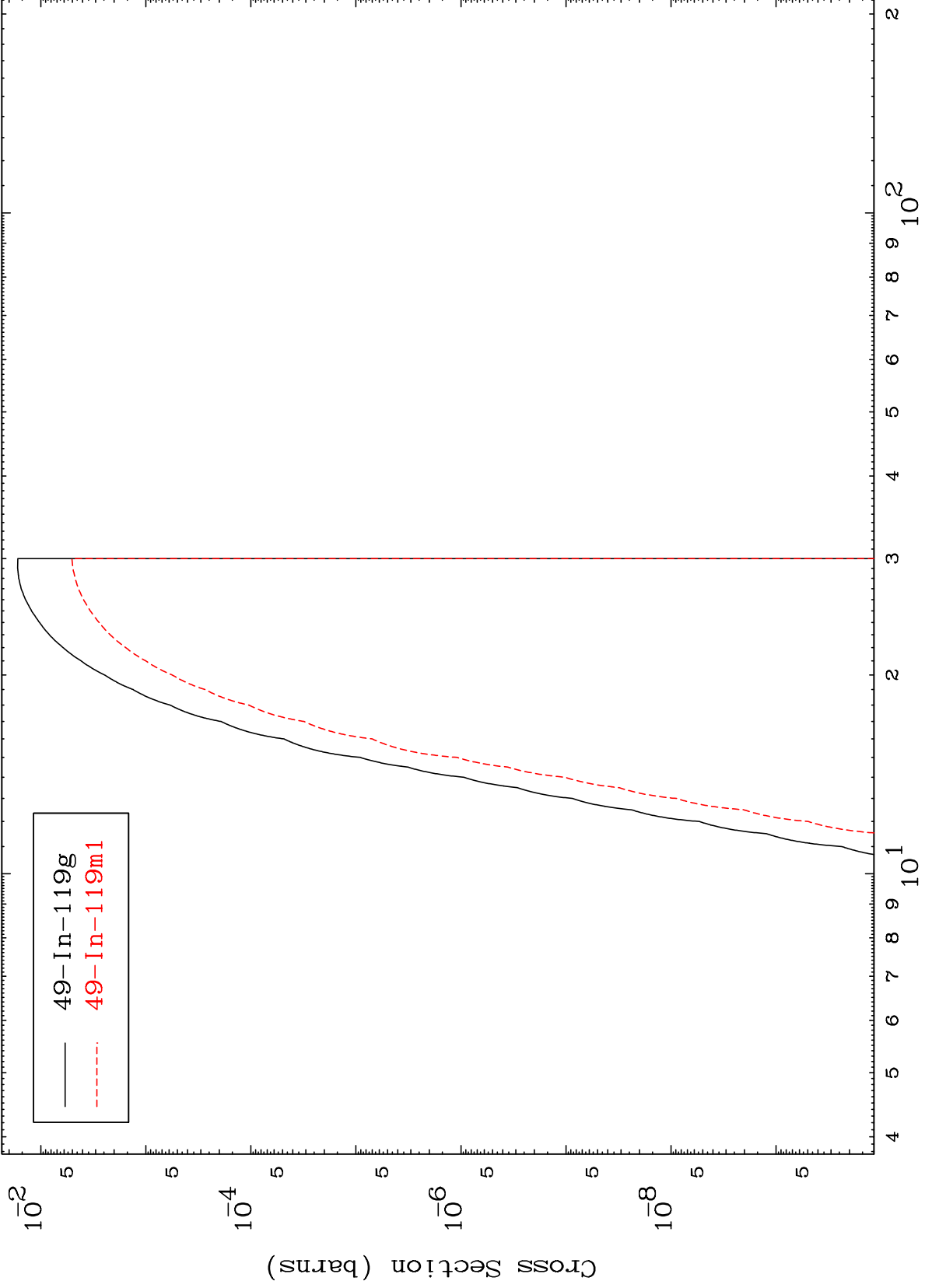
135

MAT 5131

51-Sb-123

(n,n')  $\alpha$

Radionuclide Production Cross Section

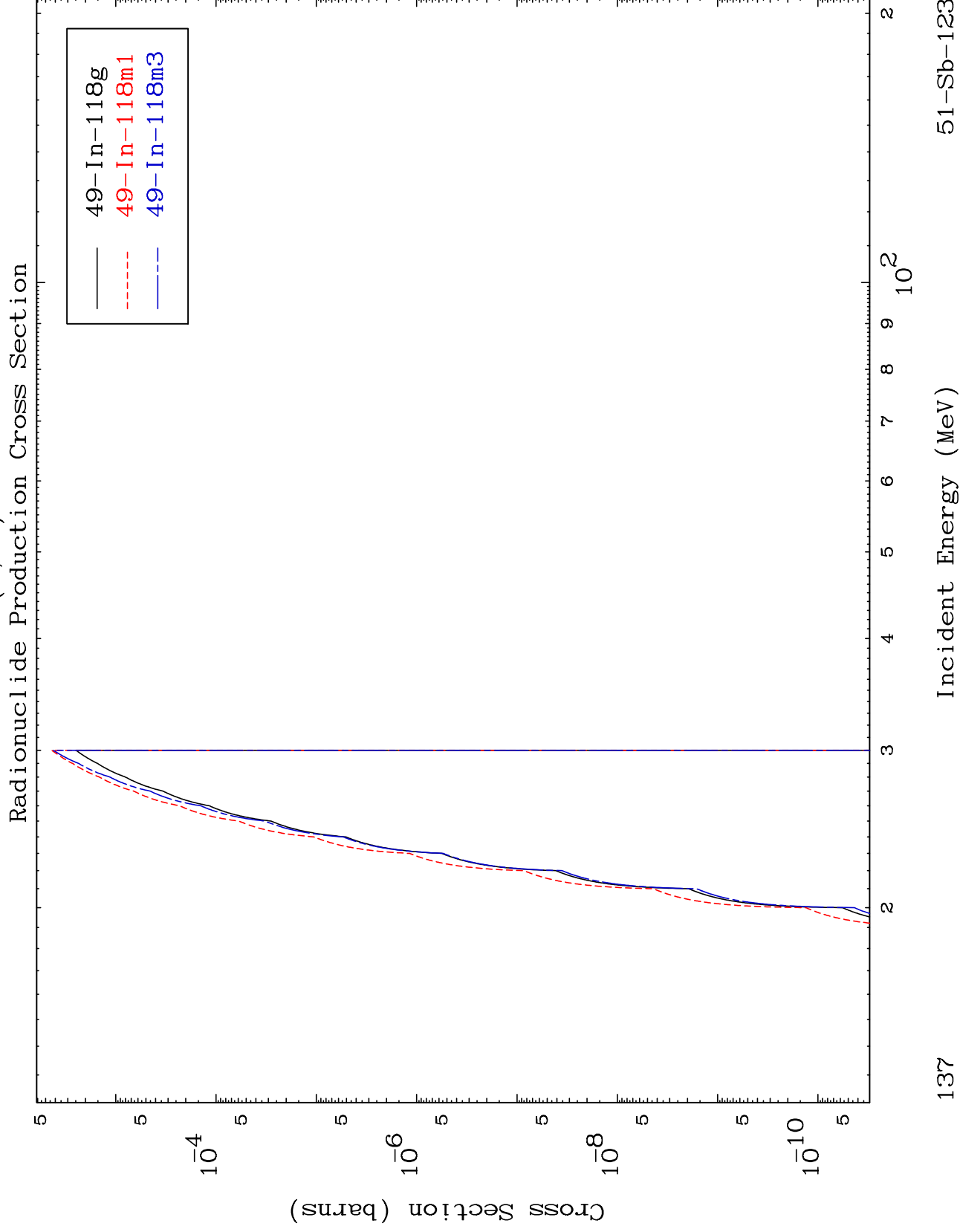


— 49-In-119g  
- - - 49-In-119m1

136

Incident Energy (MeV)

51-Sb-123

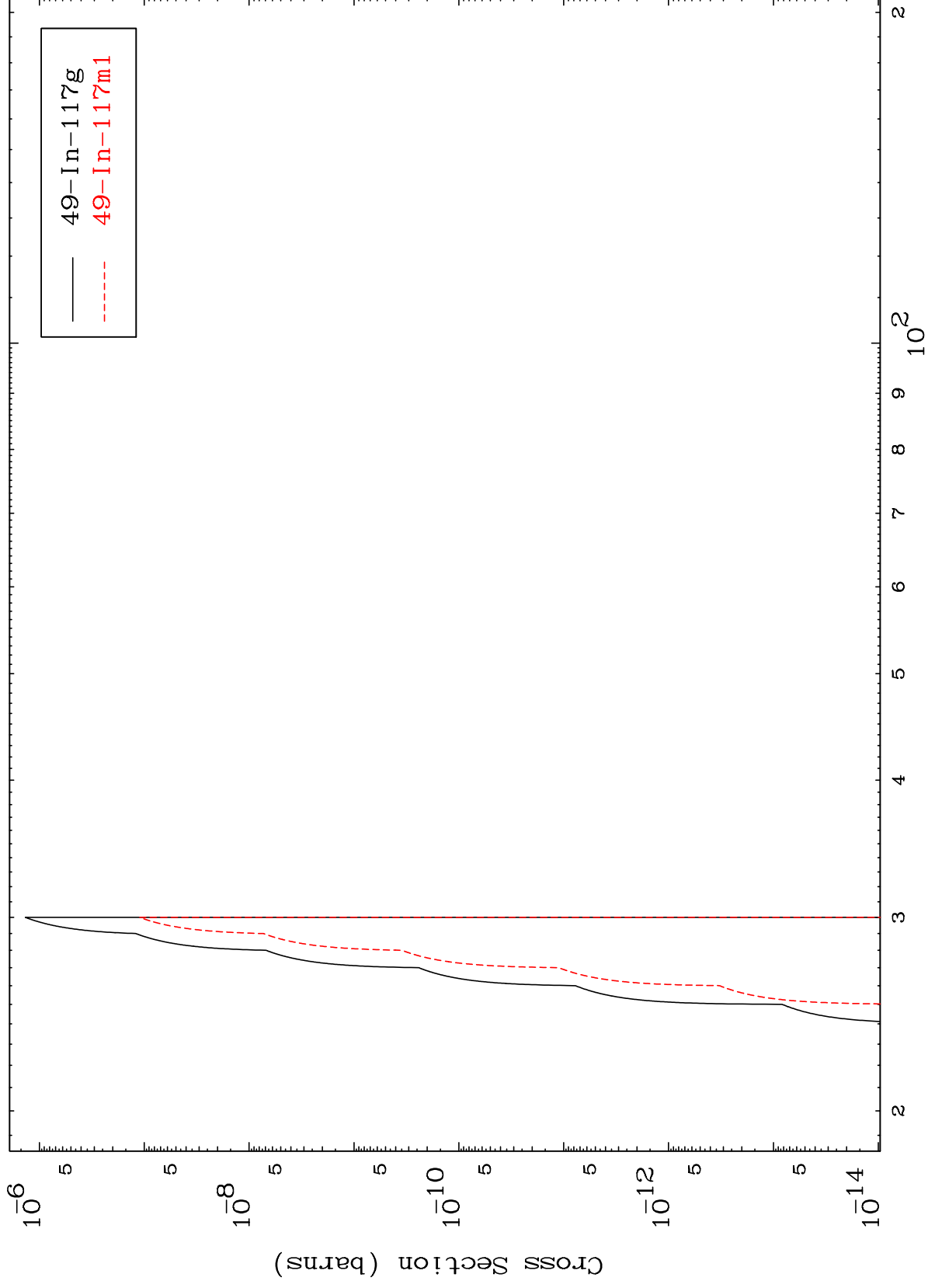


MAT 5131

(n,3n)  $\alpha$

51-Sb-123

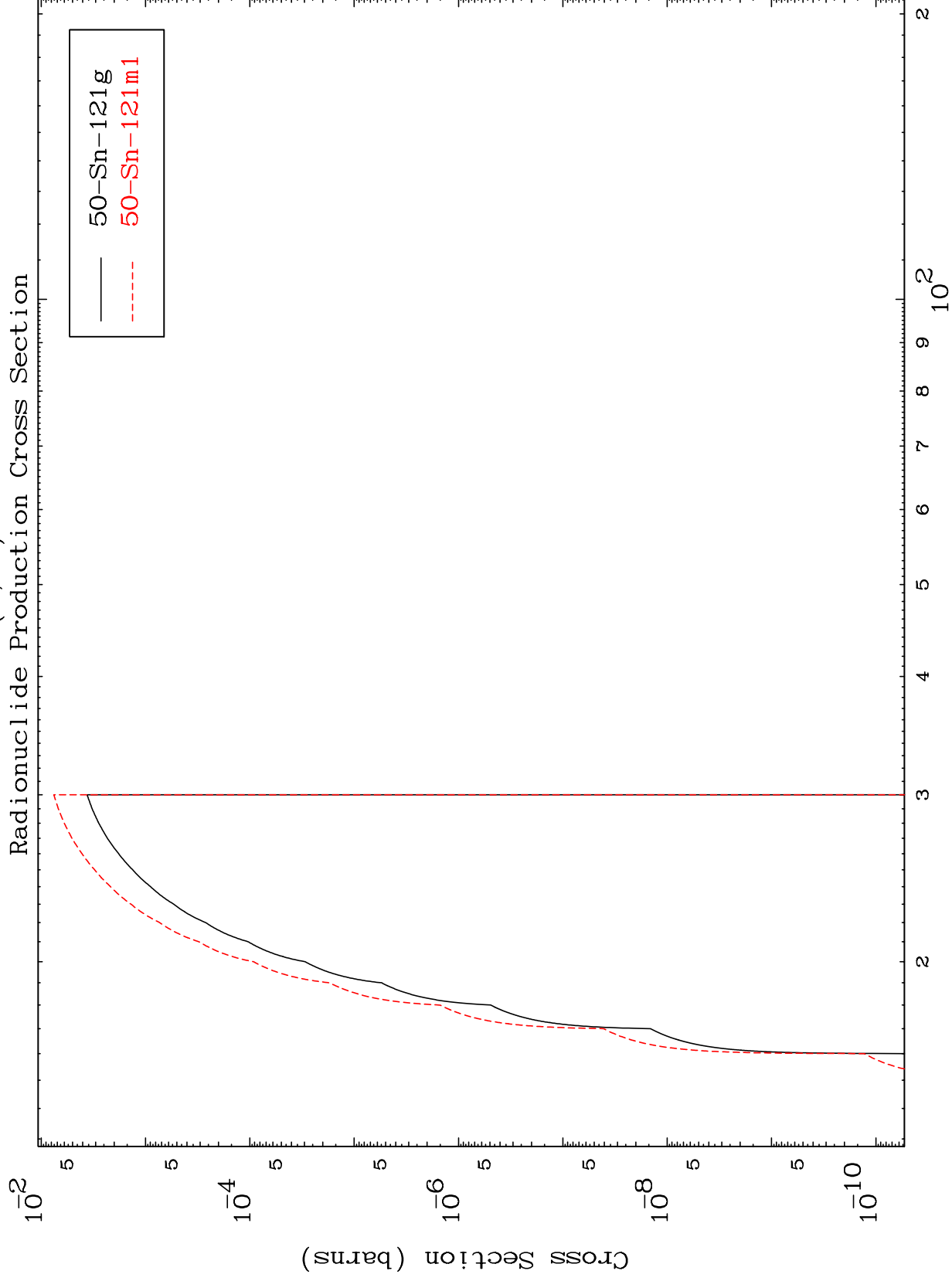
Radionuclide Production Cross Section



138

Incident Energy (MeV)

51-Sb-123

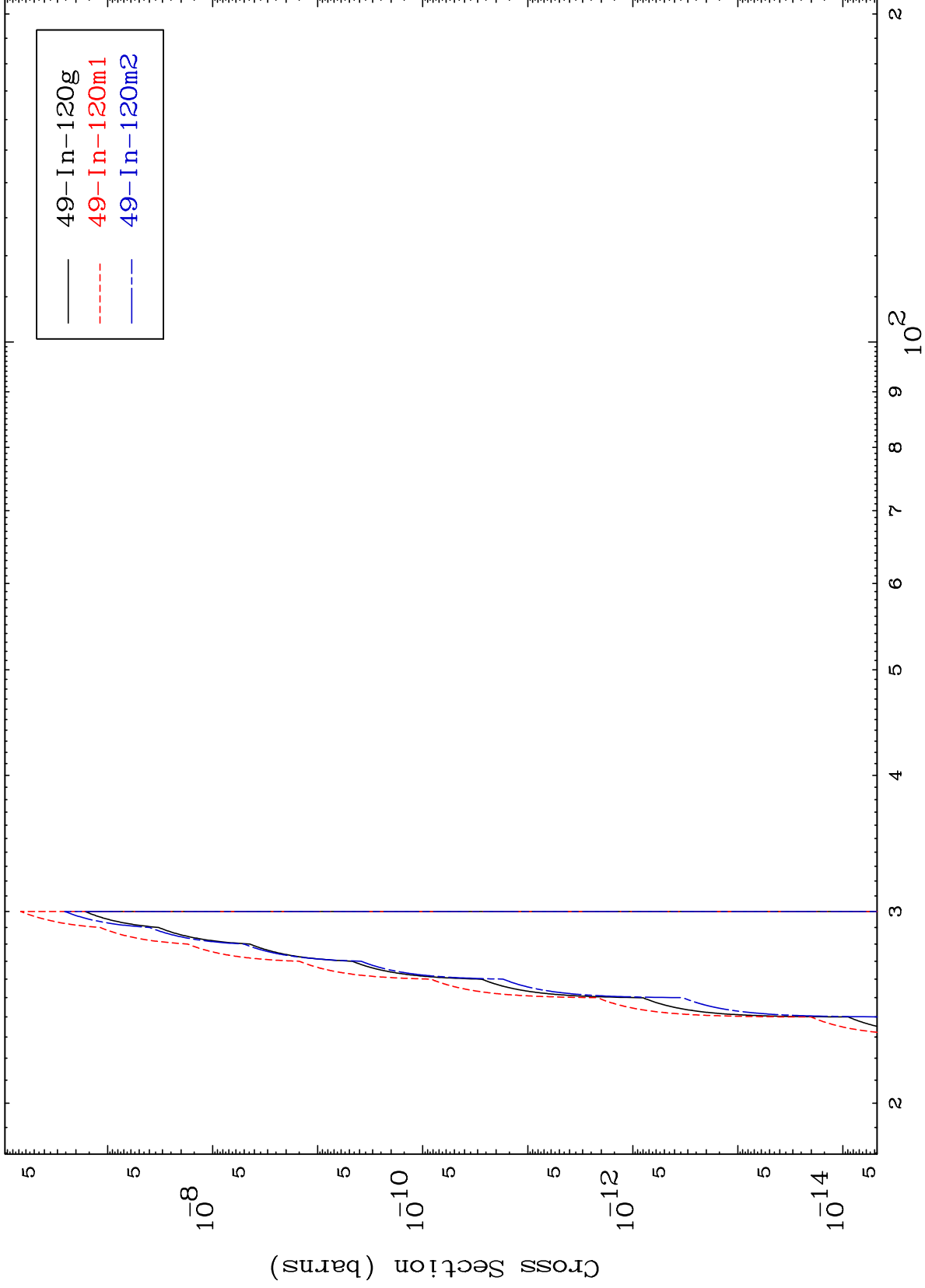


MAT 5131

(n,n') He-3

51-Sb-123

Radionuclide Production Cross Section



140

Incident Energy (MeV)

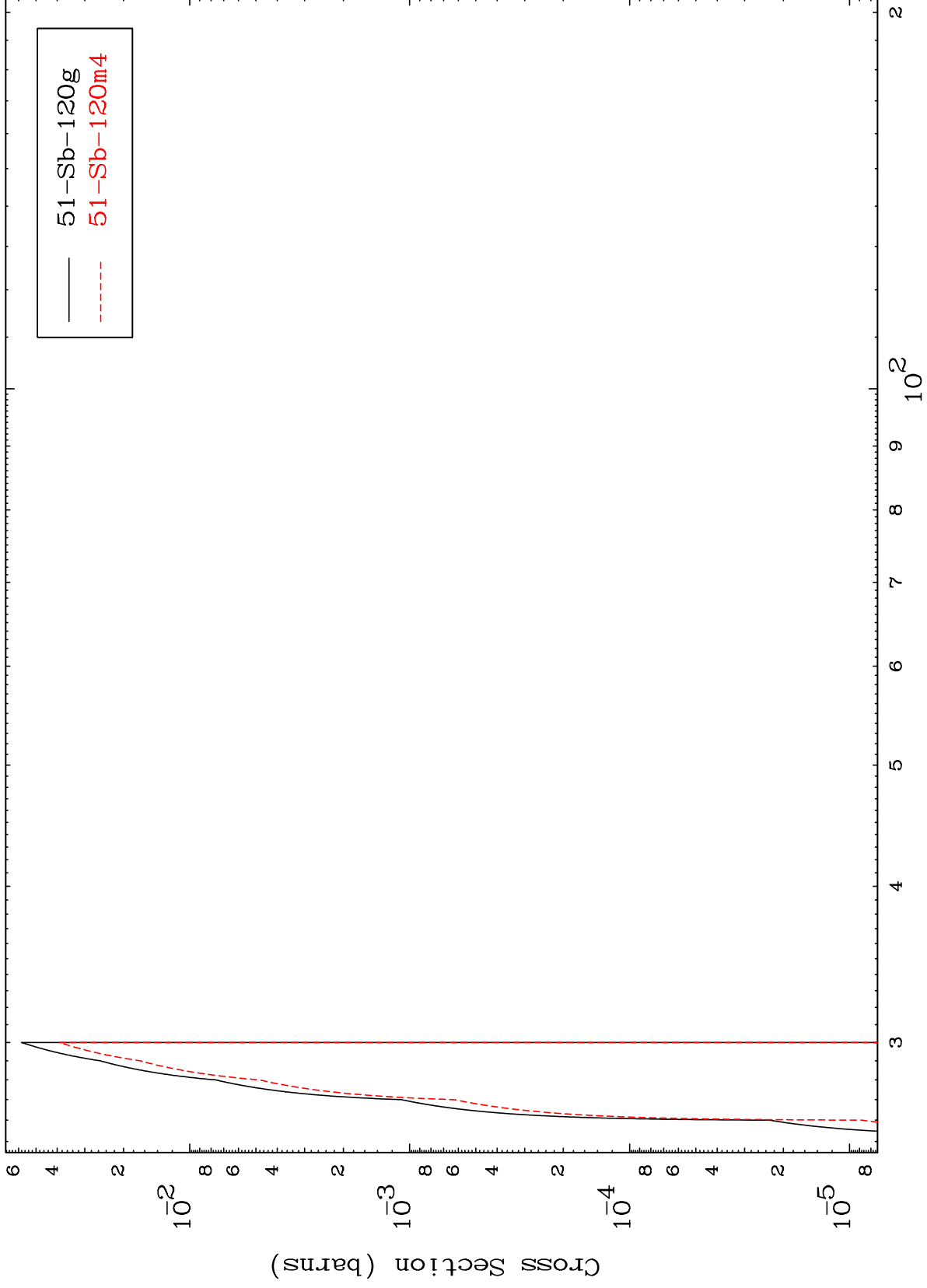
51-Sb-123

MAT 5131

(n,4n)

51-Sb-123

Radionuclide Production Cross Section

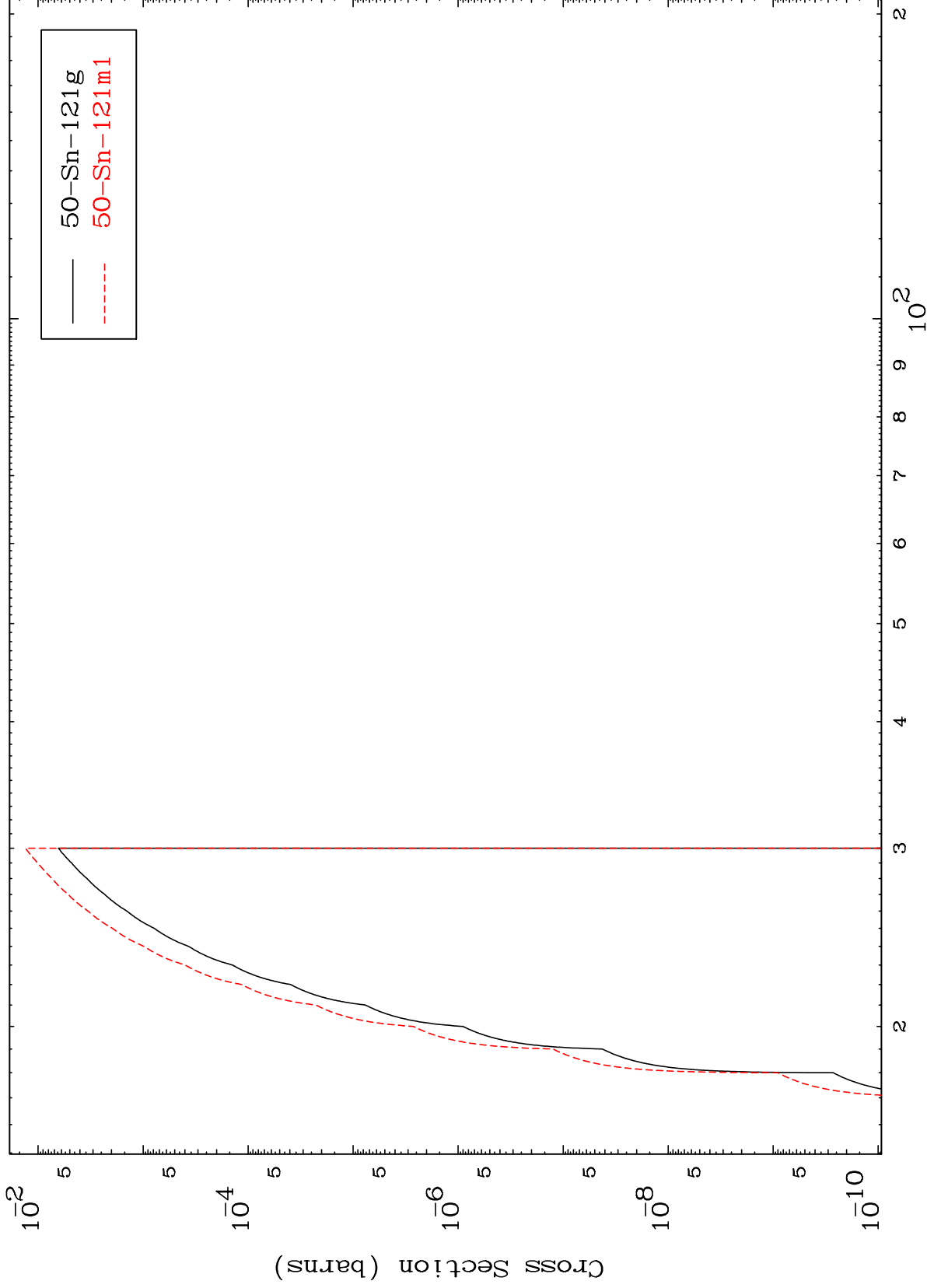


141

Incident Energy (MeV)

51-Sb-123

Radionuclide Production Cross Section

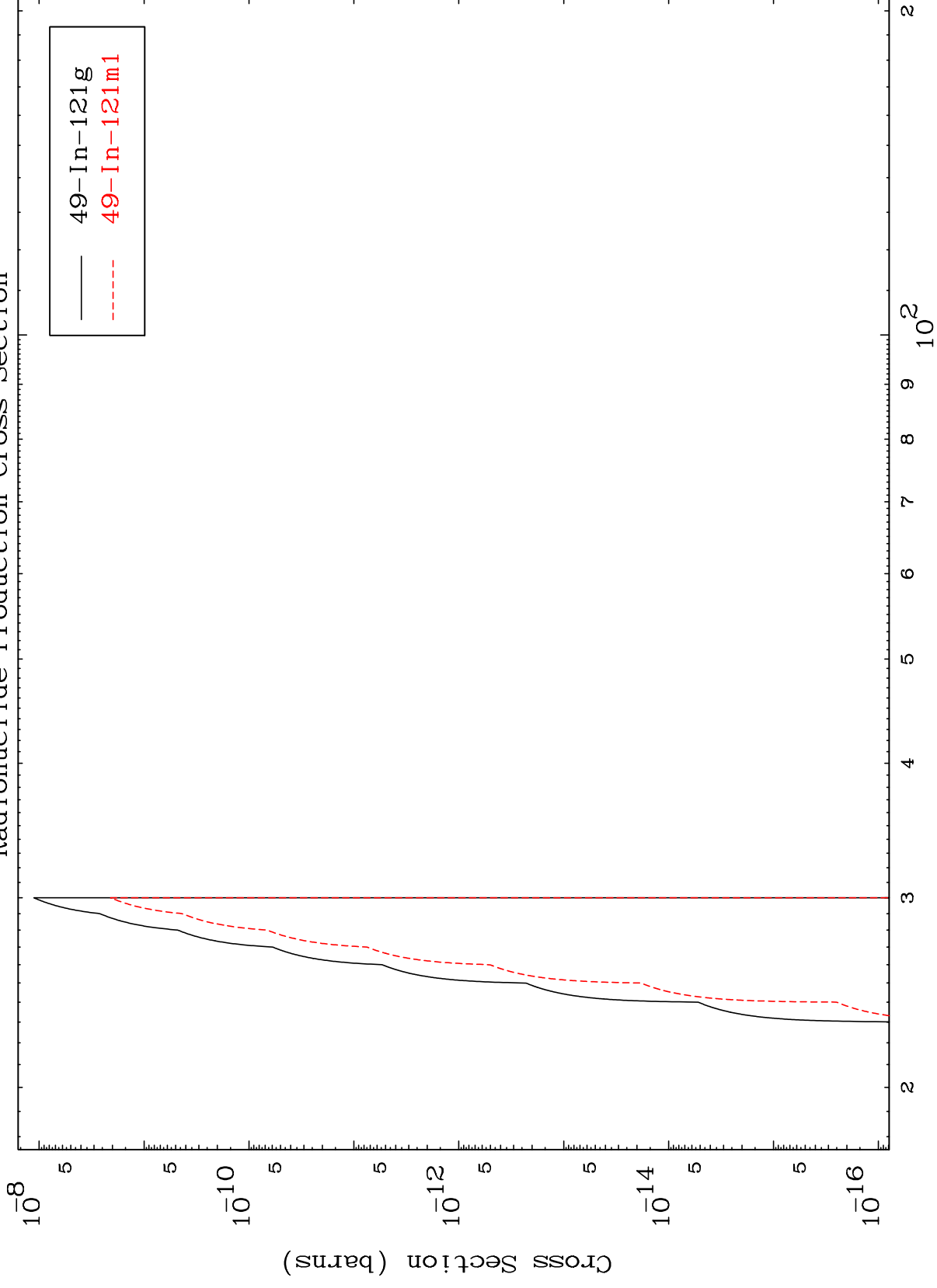


MAT 5131

(n,2n) p

51-Sb-123

Radionuclide Production Cross Section



143

Incident Energy (MeV)

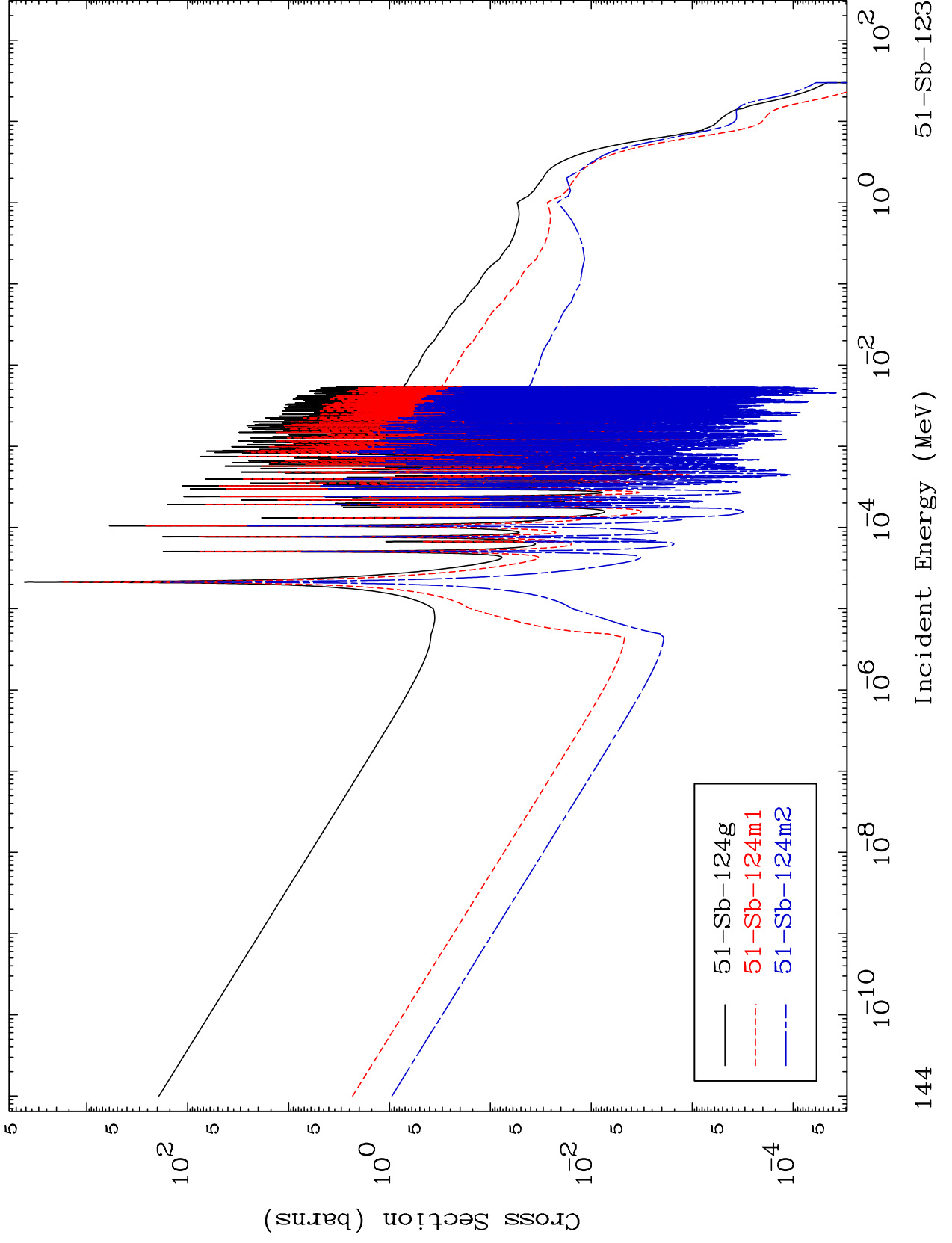
51-Sb-123

MAT 5131

51-Sb-123

Radionuclide Production Cross Section

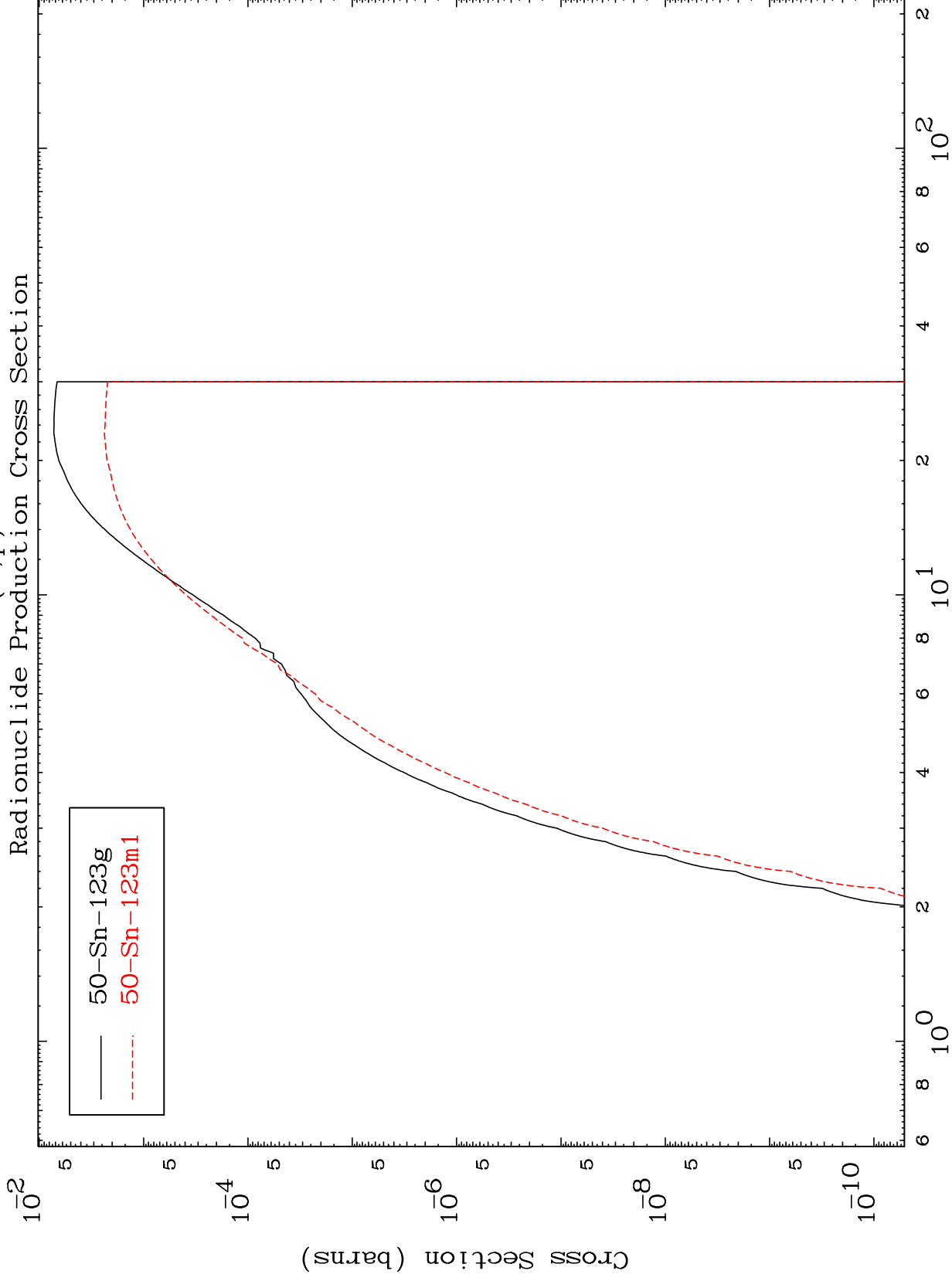
(n,γ)



MAT 5131

51-Sb-123

(n,p)  
Radionuclide Production Cross Section



145

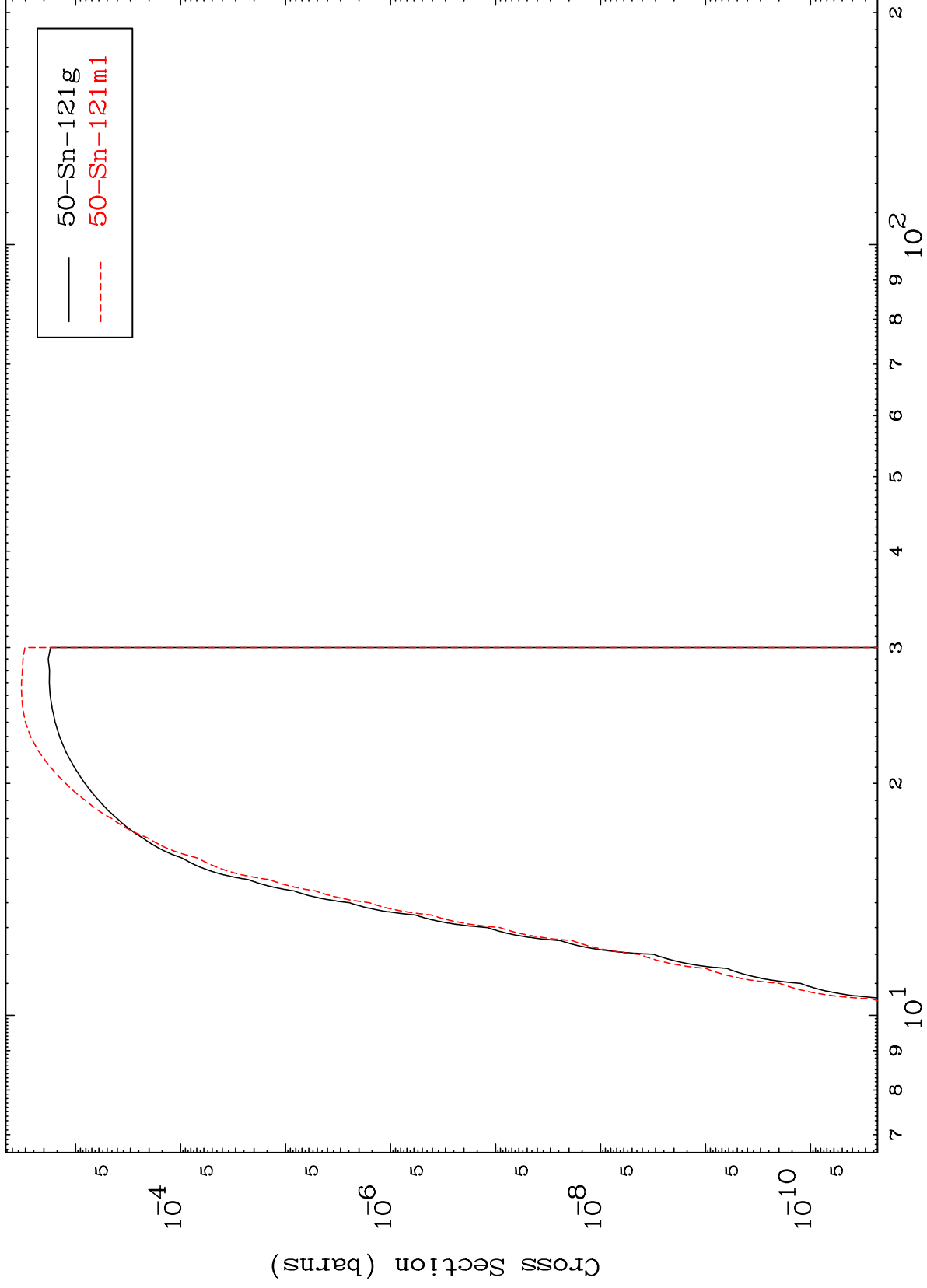
Incident Energy (MeV)

51-Sb-123

MAT 5131

51-Sb-123

(n, t)  
Radionuclide Production Cross Section



146

Incident Energy (MeV)

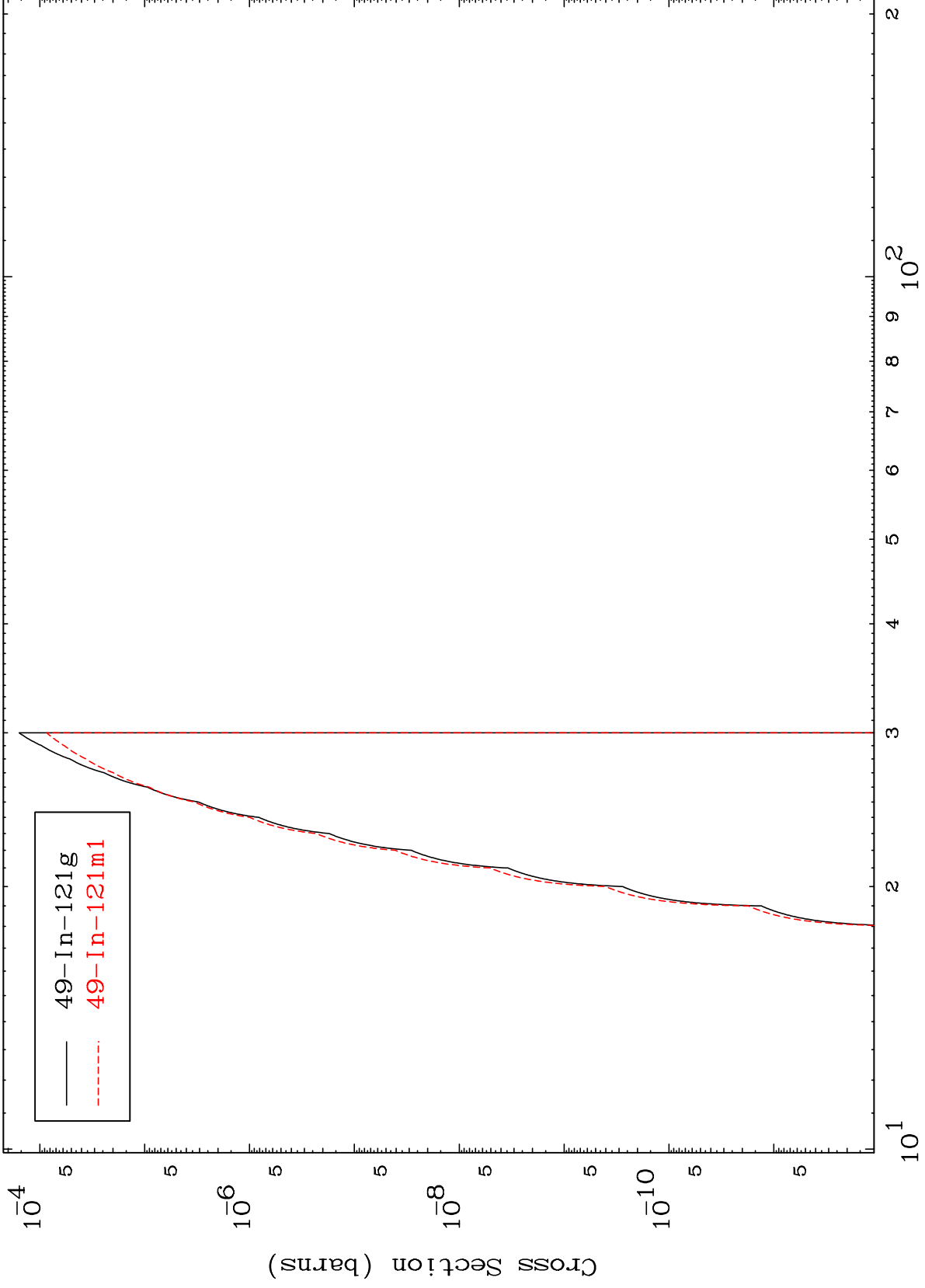
51-Sb-123

MAT 5131

(n,He-3)

51-Sb-123

Radionuclide Production Cross Section



147

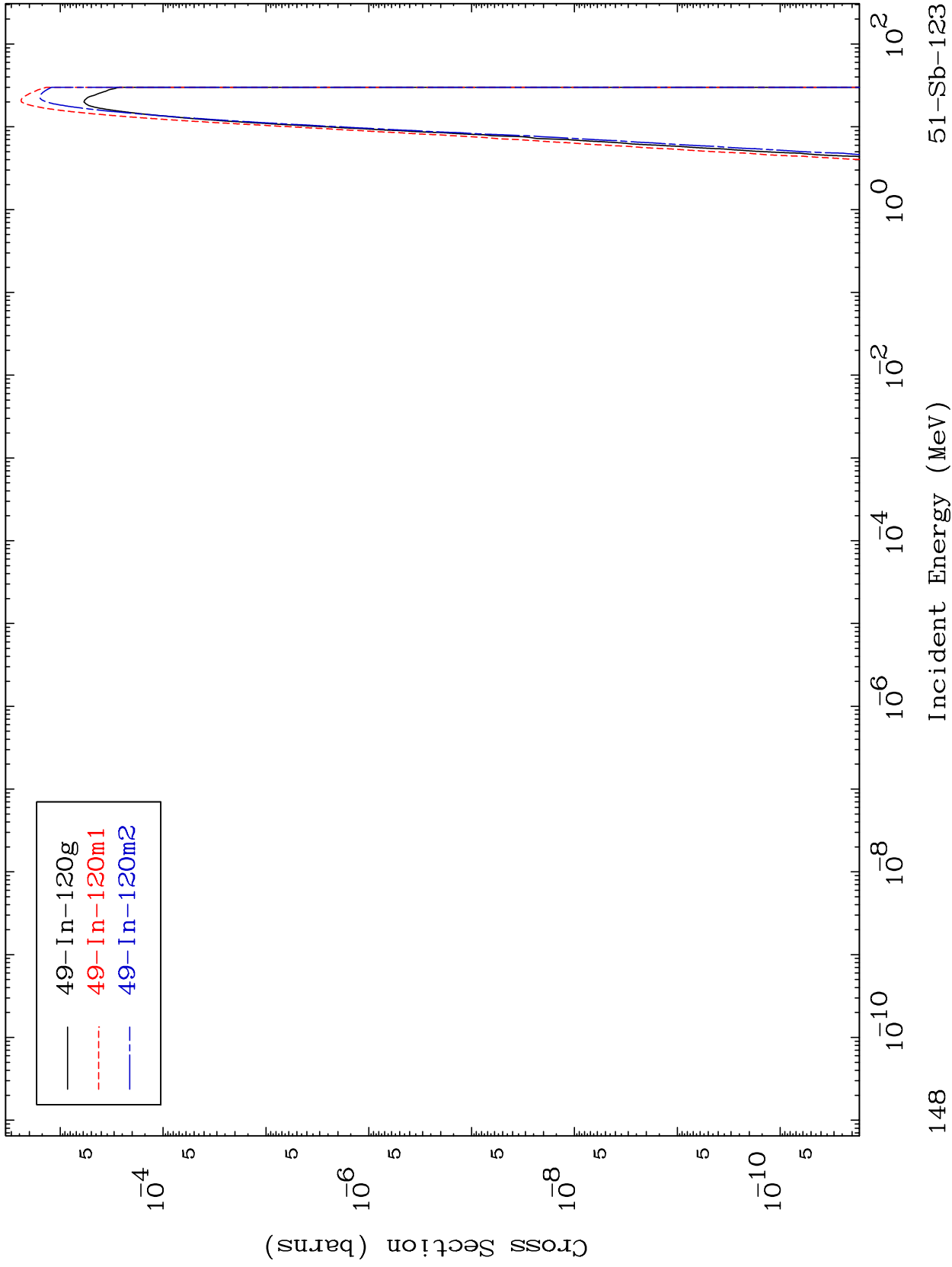
Incident Energy (MeV)

51-Sb-123

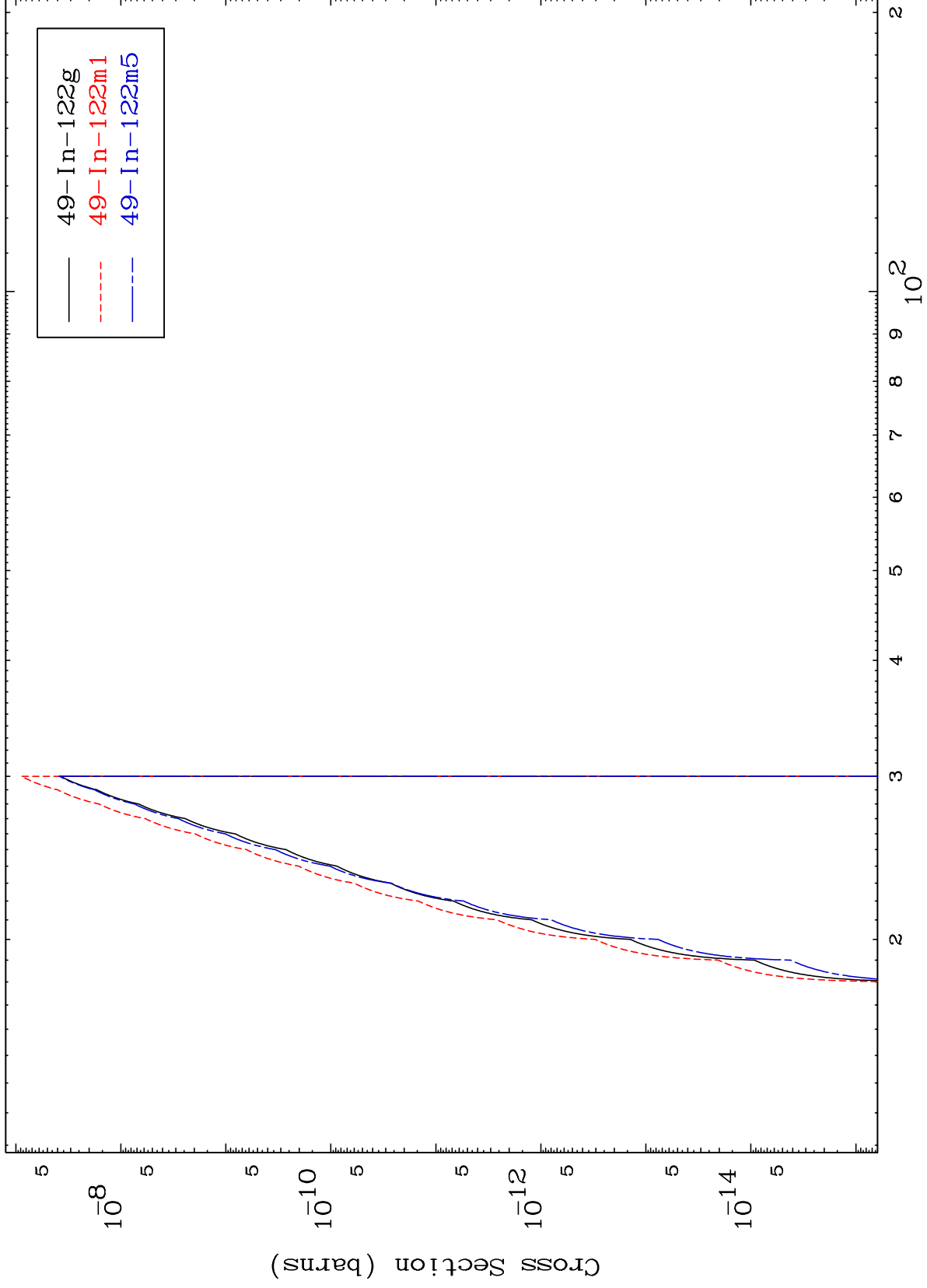
MAT 5131

51-Sb-123

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



(n,2p)  
Radionuclide Production Cross Section

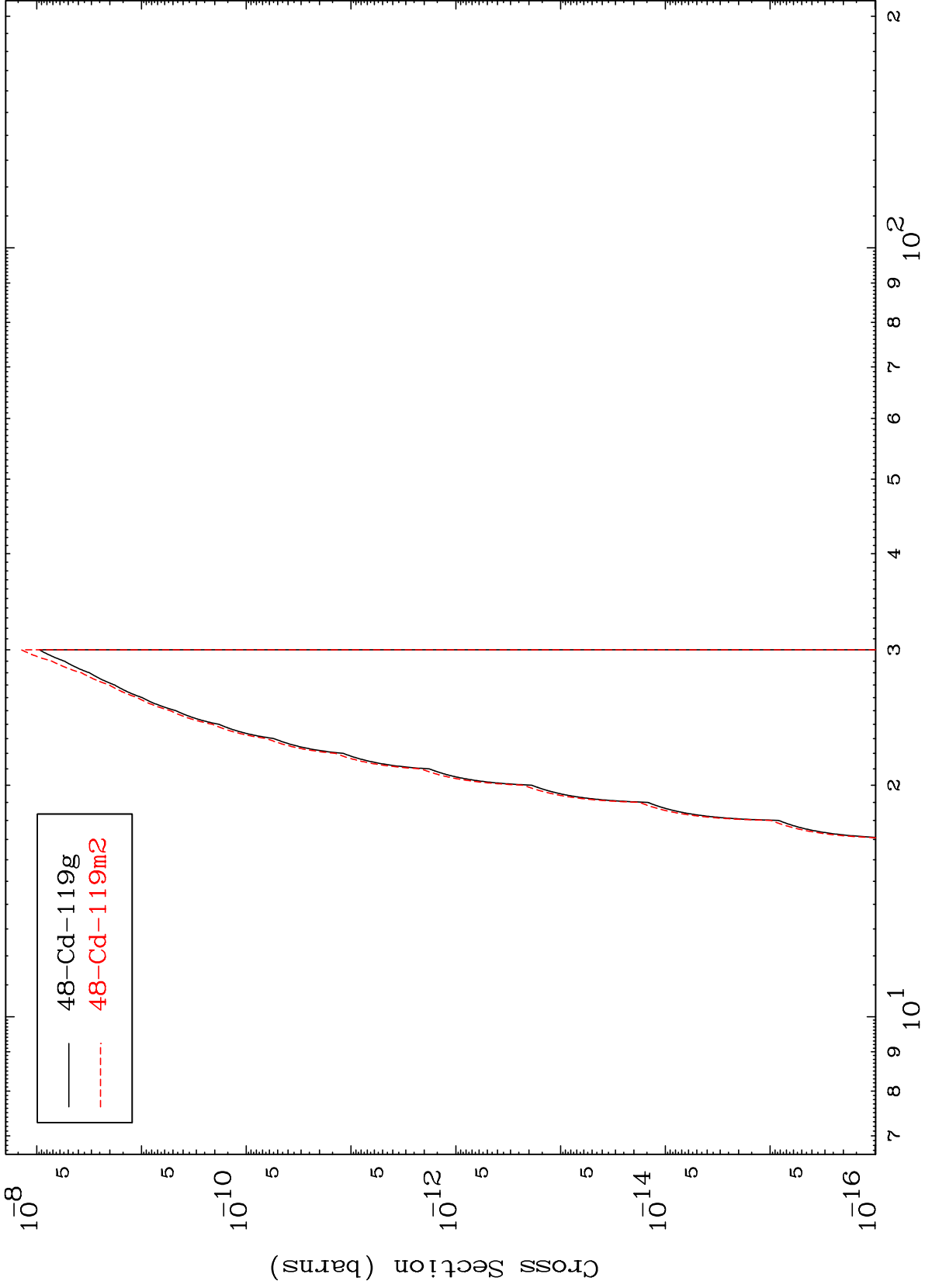


MAT 5131

(n,p)  $\alpha$

51-Sb-123

Radionuclide Production Cross Section



150

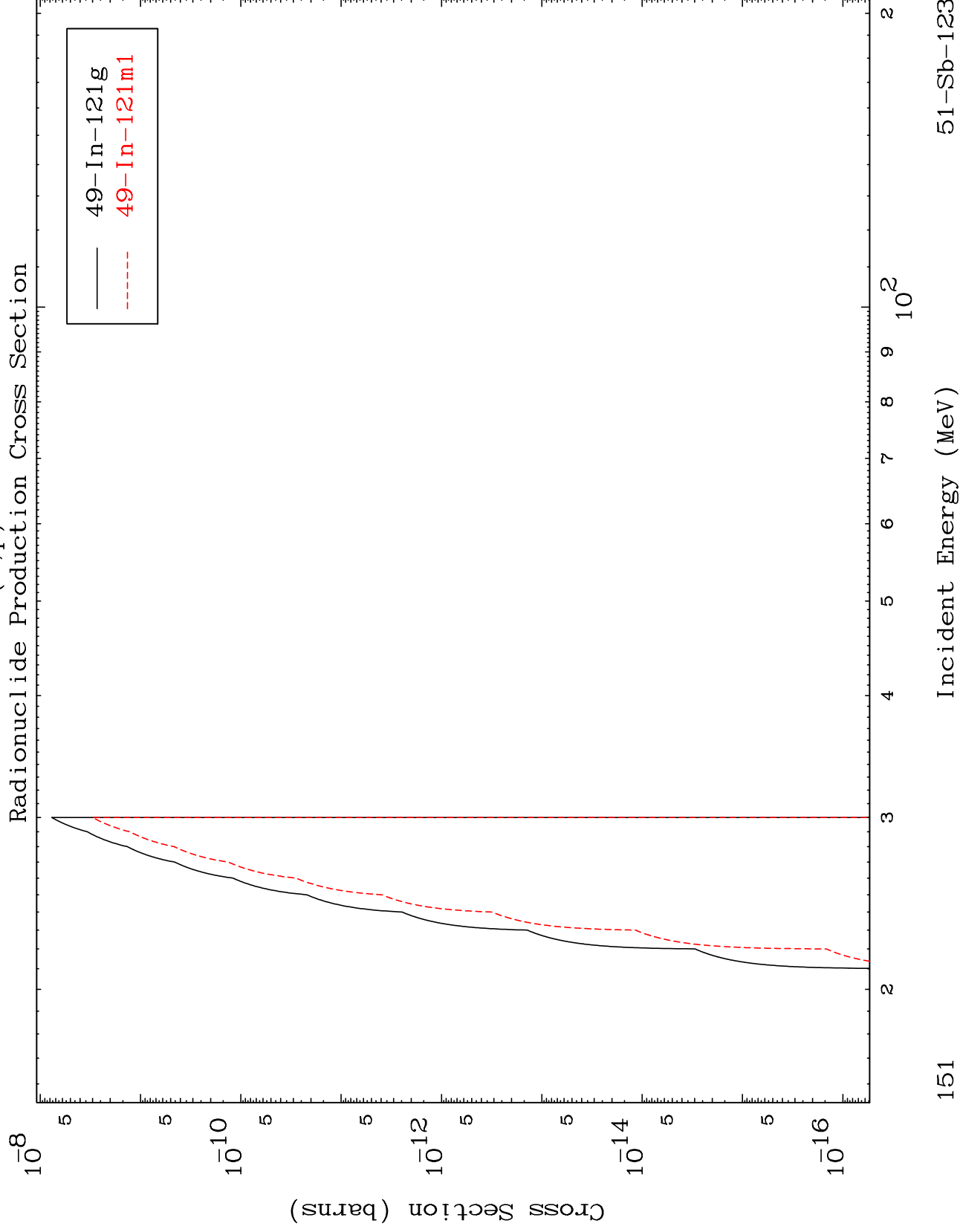
Incident Energy (MeV)

51-Sb-123

MAT 5131

(n,p) d

51-Sb-123



151

51-Sb-123