

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

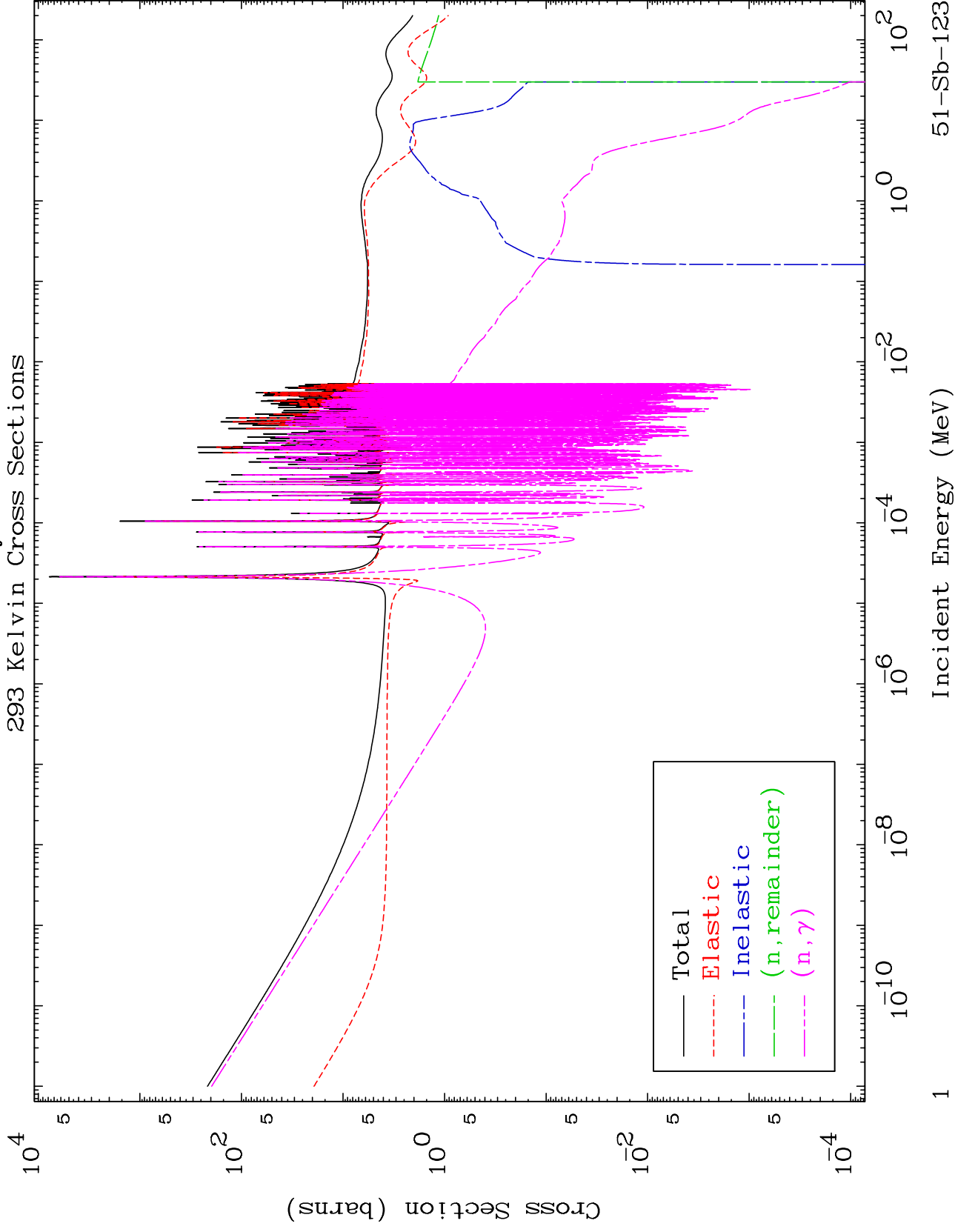
Web:redcullen1.net/HOMEPAGE.NEW

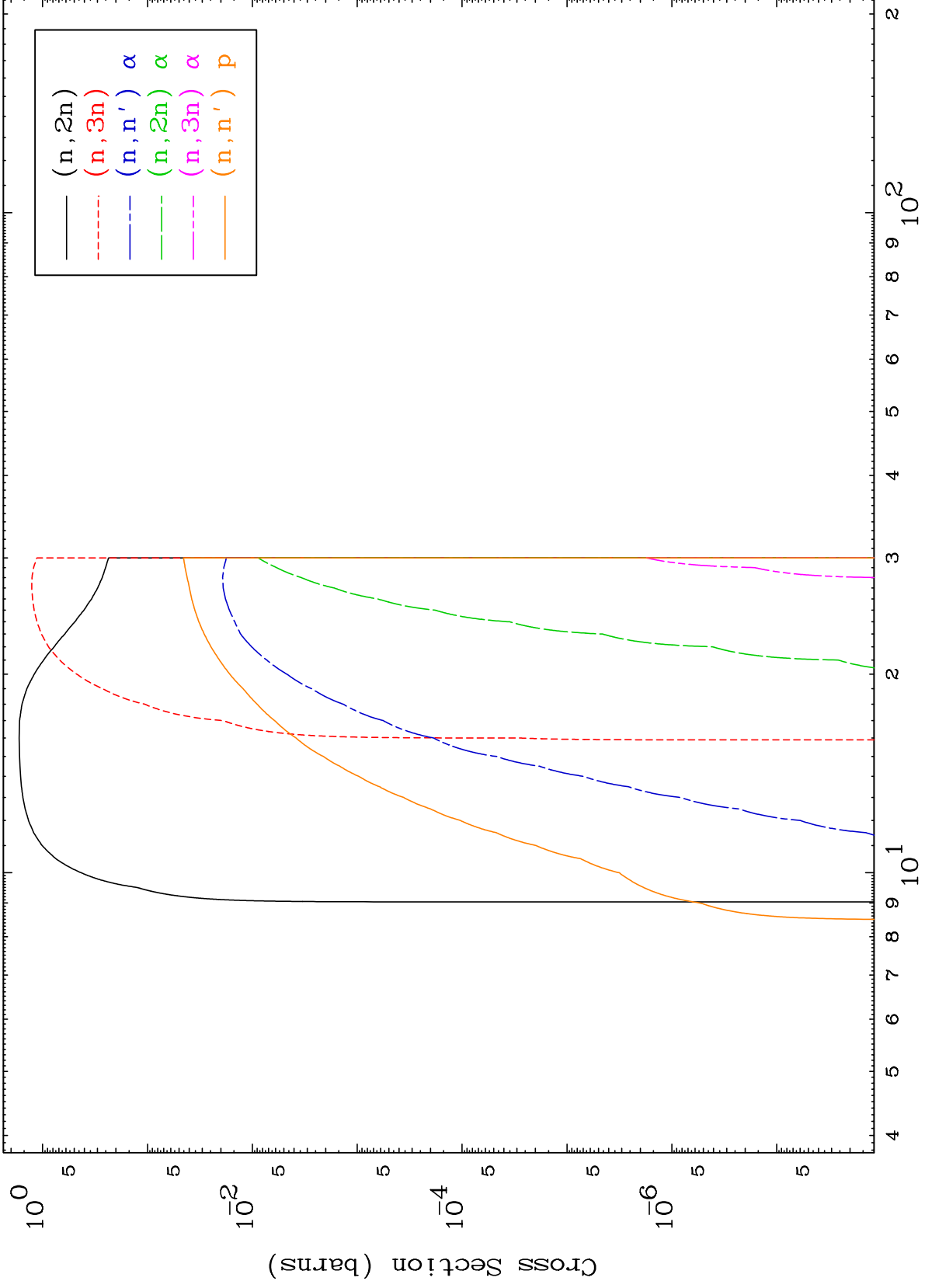
Press Mouse Button to Start

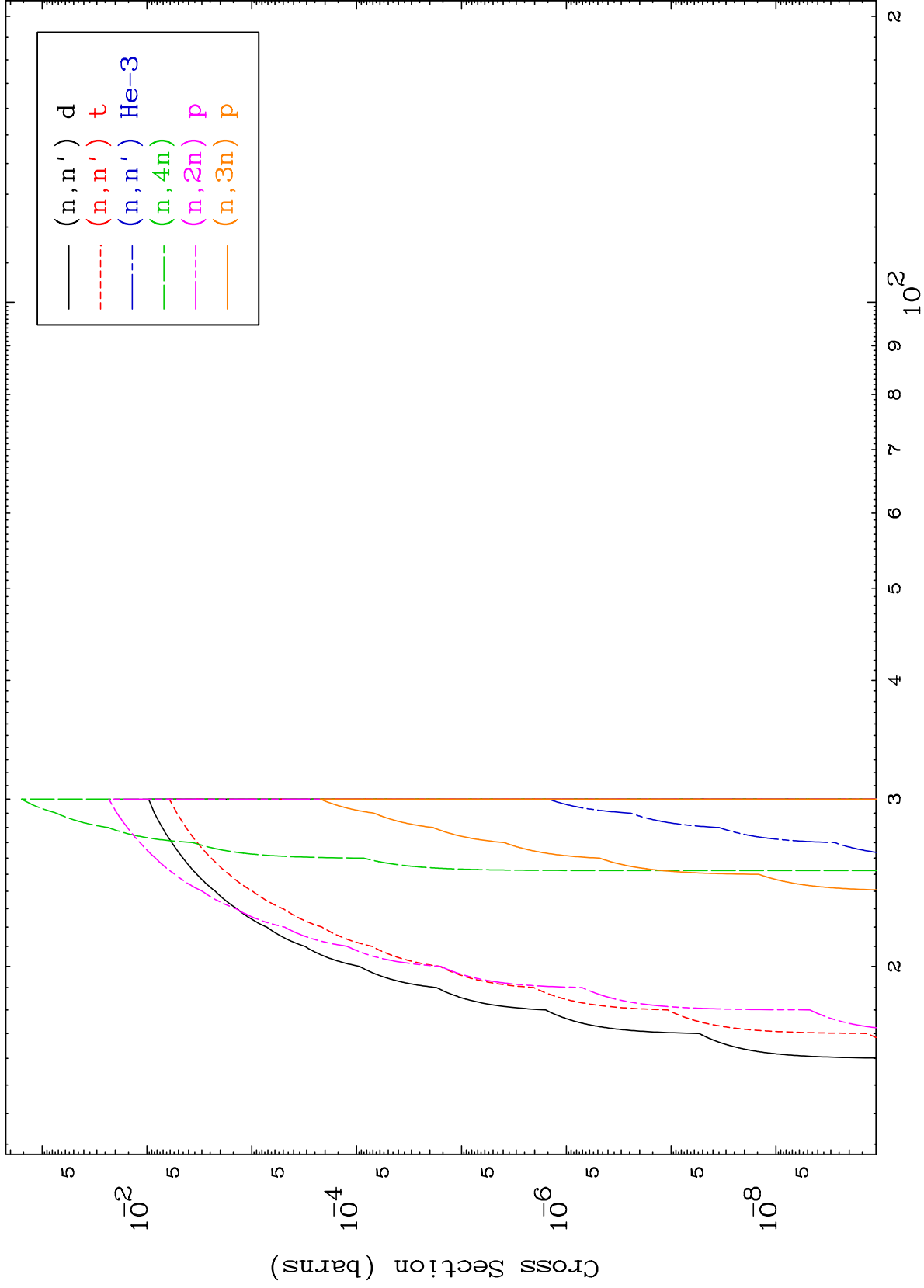
MAT 5131

Major
293 Kelvin Cross Sections

51-Sb-123



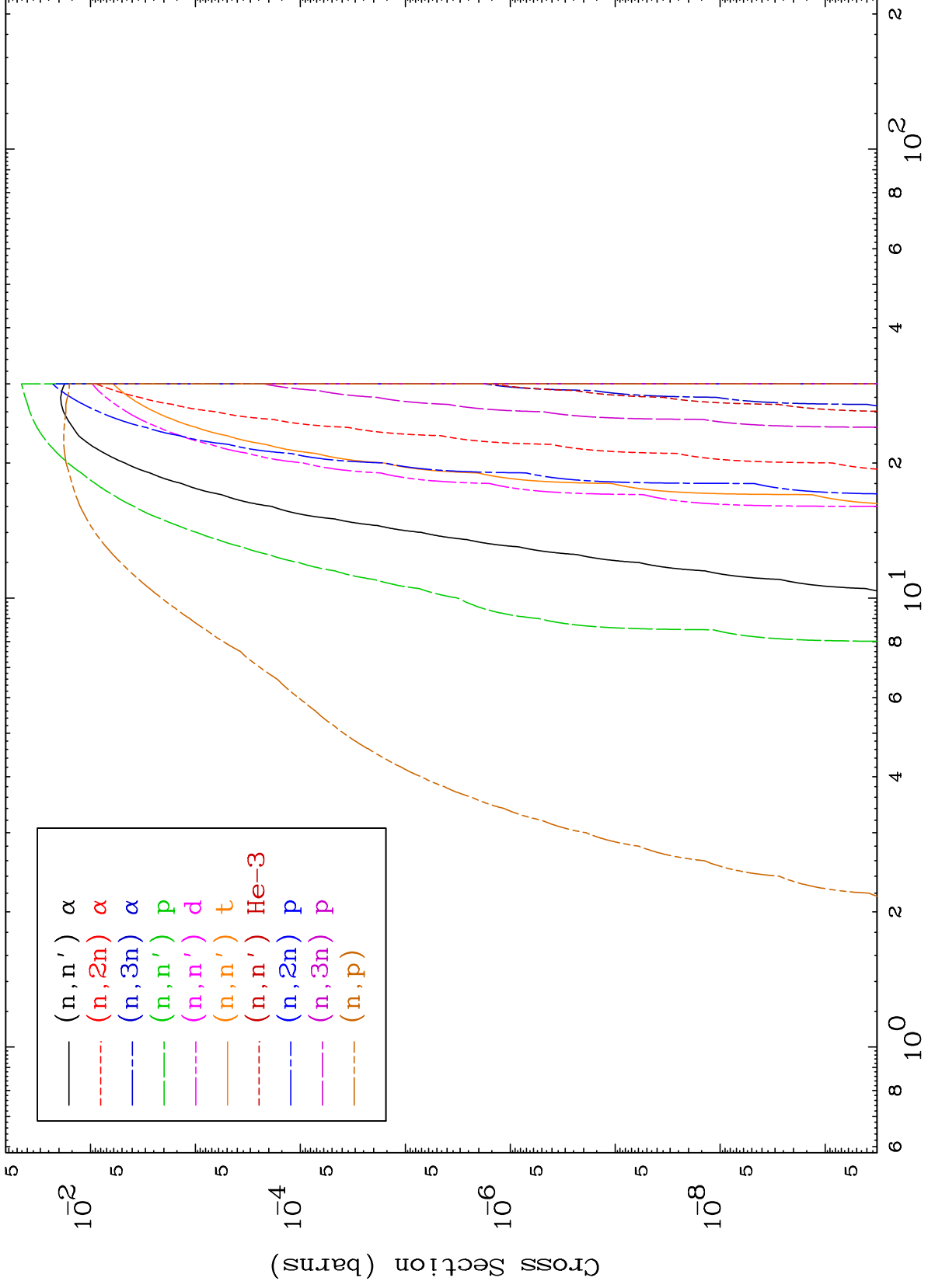


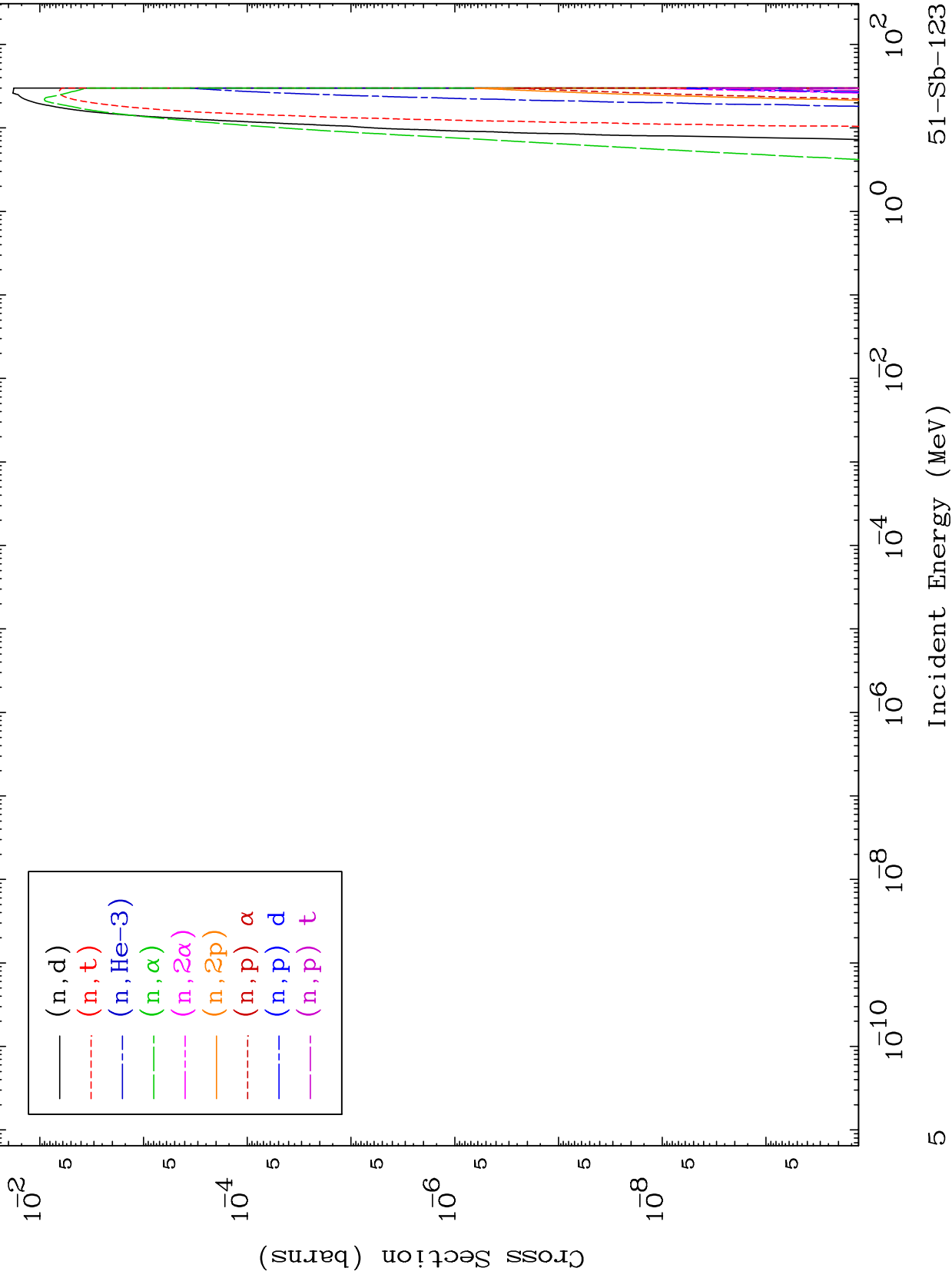


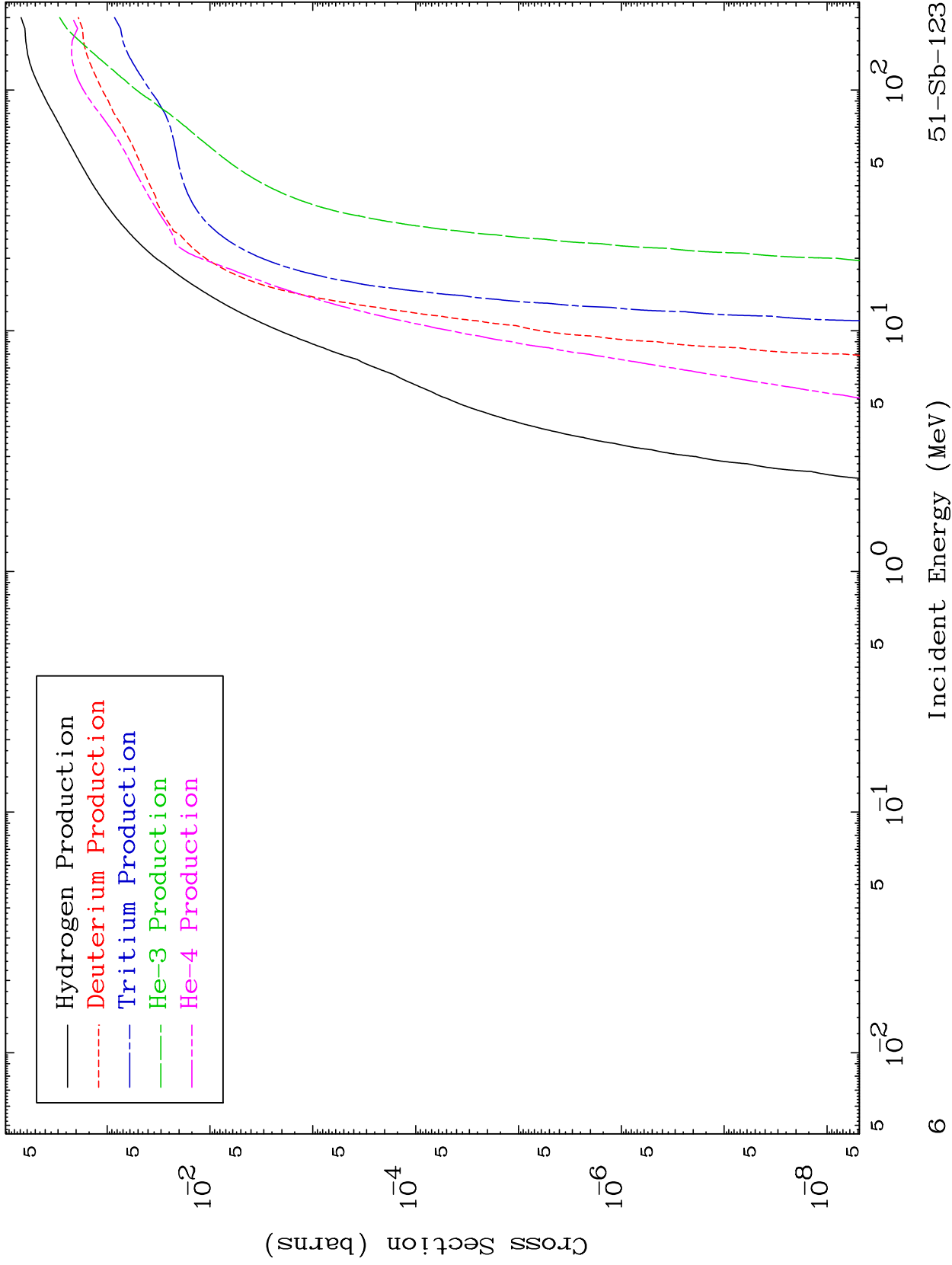
MAT 5131

Charged Particle
293 Kelvin Cross Sections

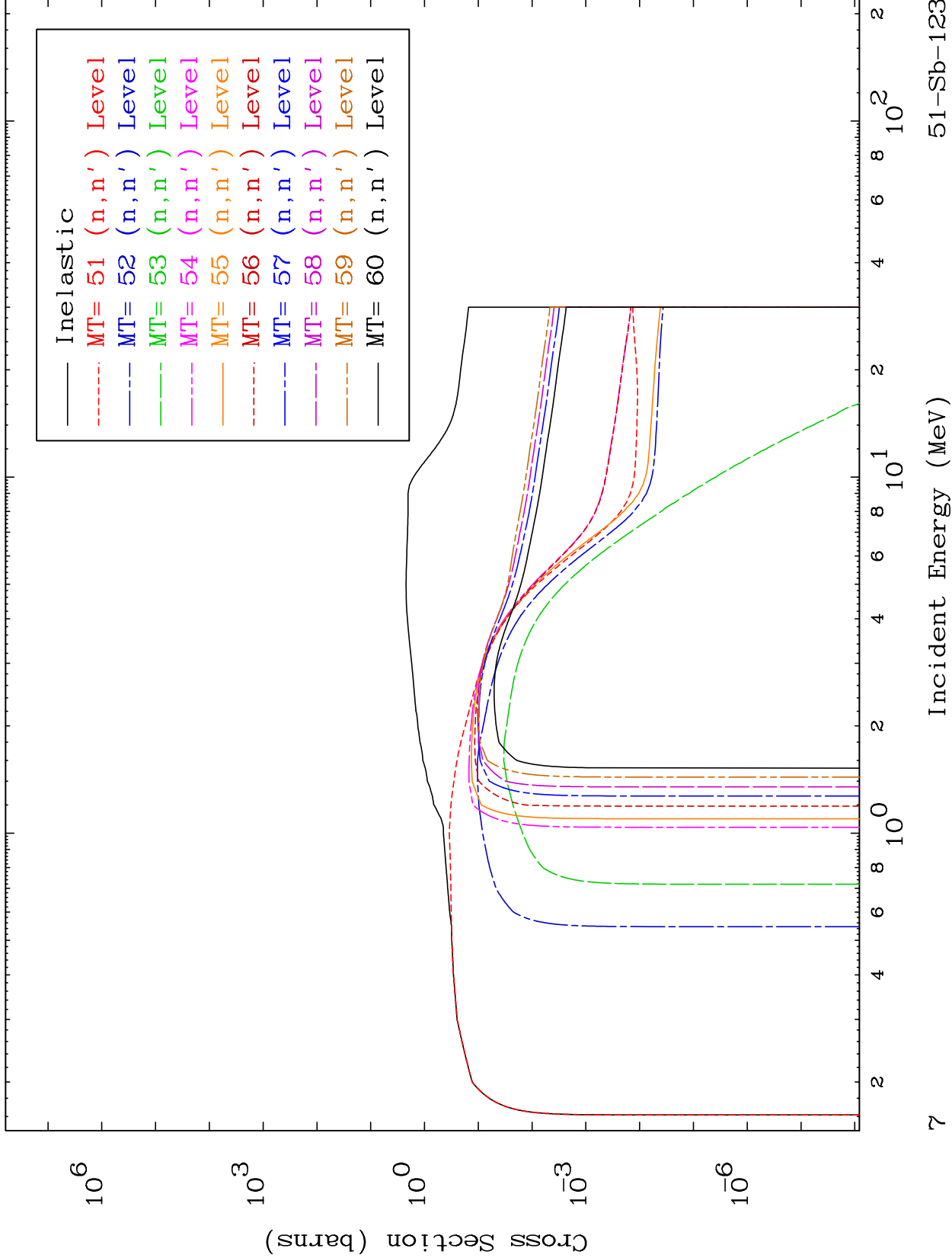
51-Sb-123







293 Kelvin Cross Sections

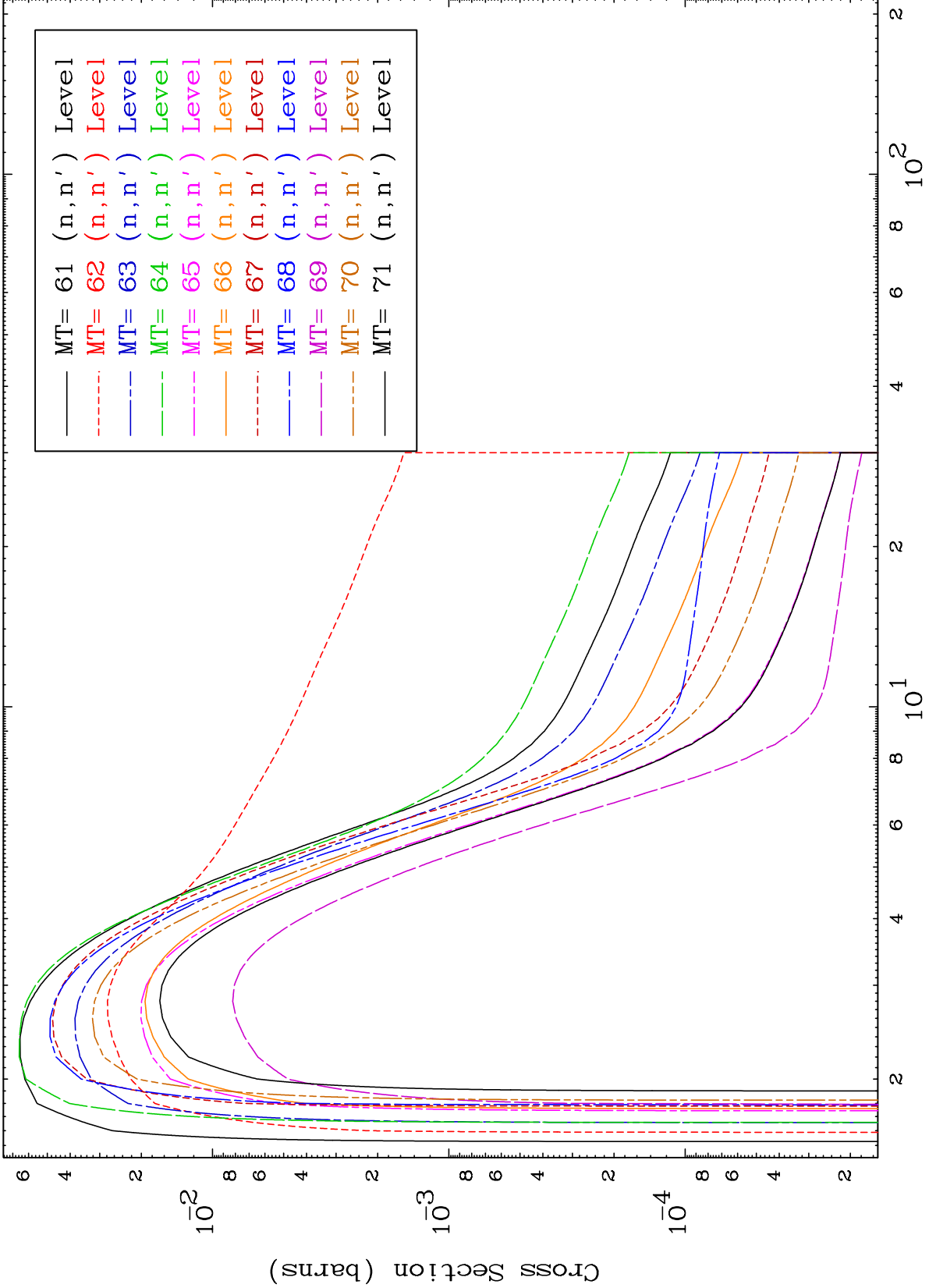


MAT 5131

(n,n') Level

51-Sb-123

293 Kelvin Cross Sections

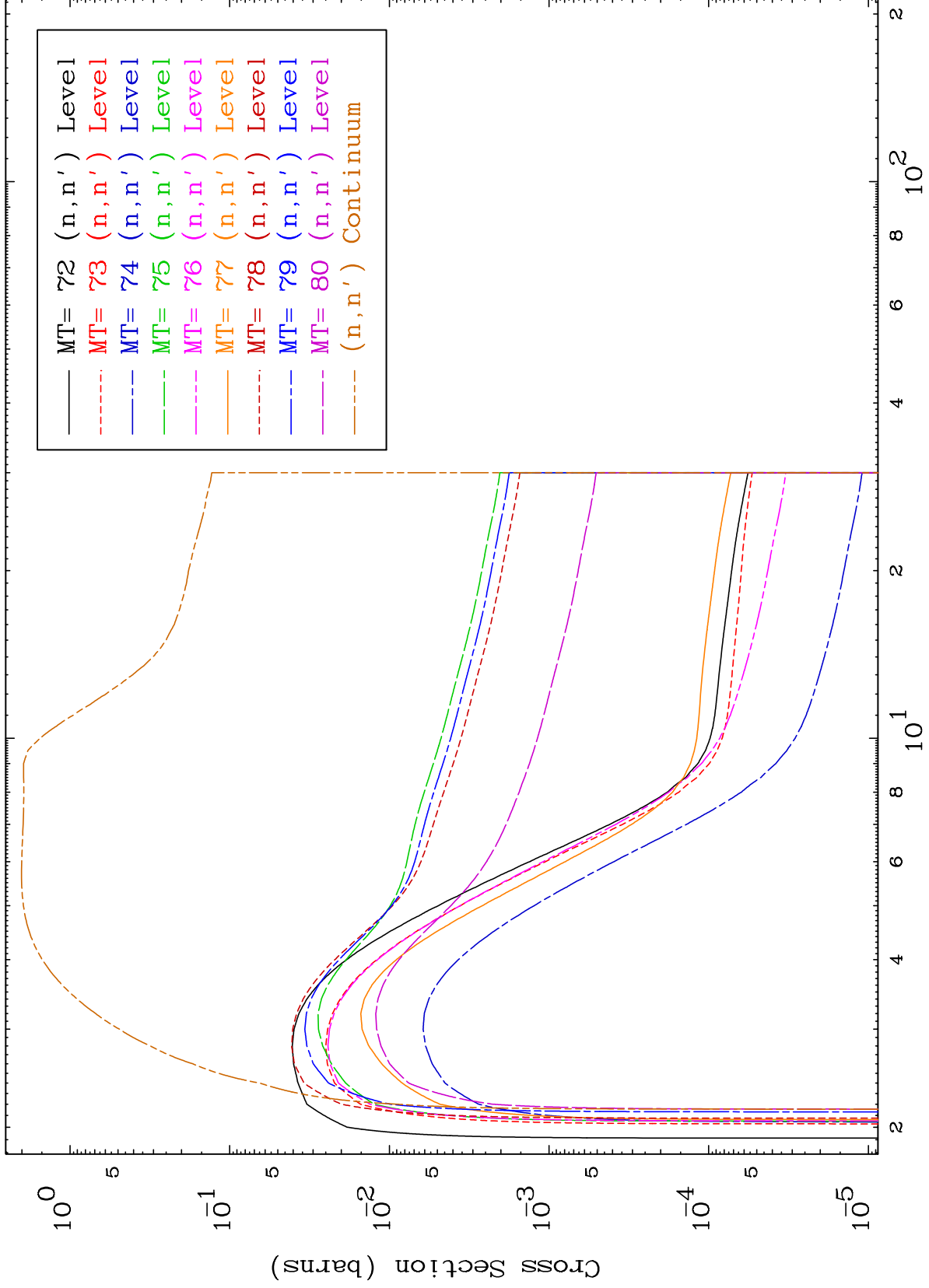


8

Incident Energy (MeV)

51-Sb-123

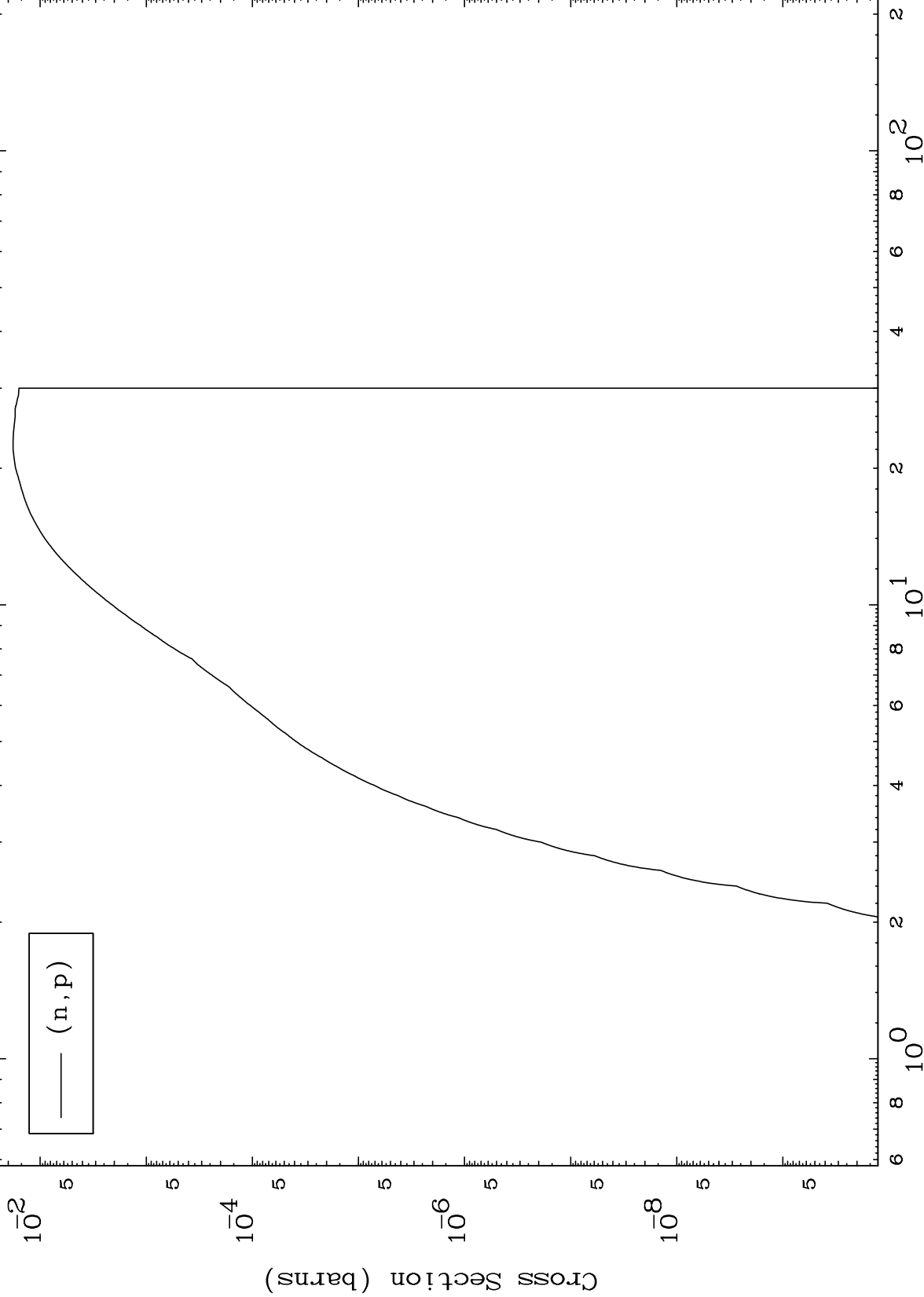
293 Kelvin Cross Sections



MAT 5131

(n,p) Levels
293 Kelvin Cross Sections

51-Sb-123



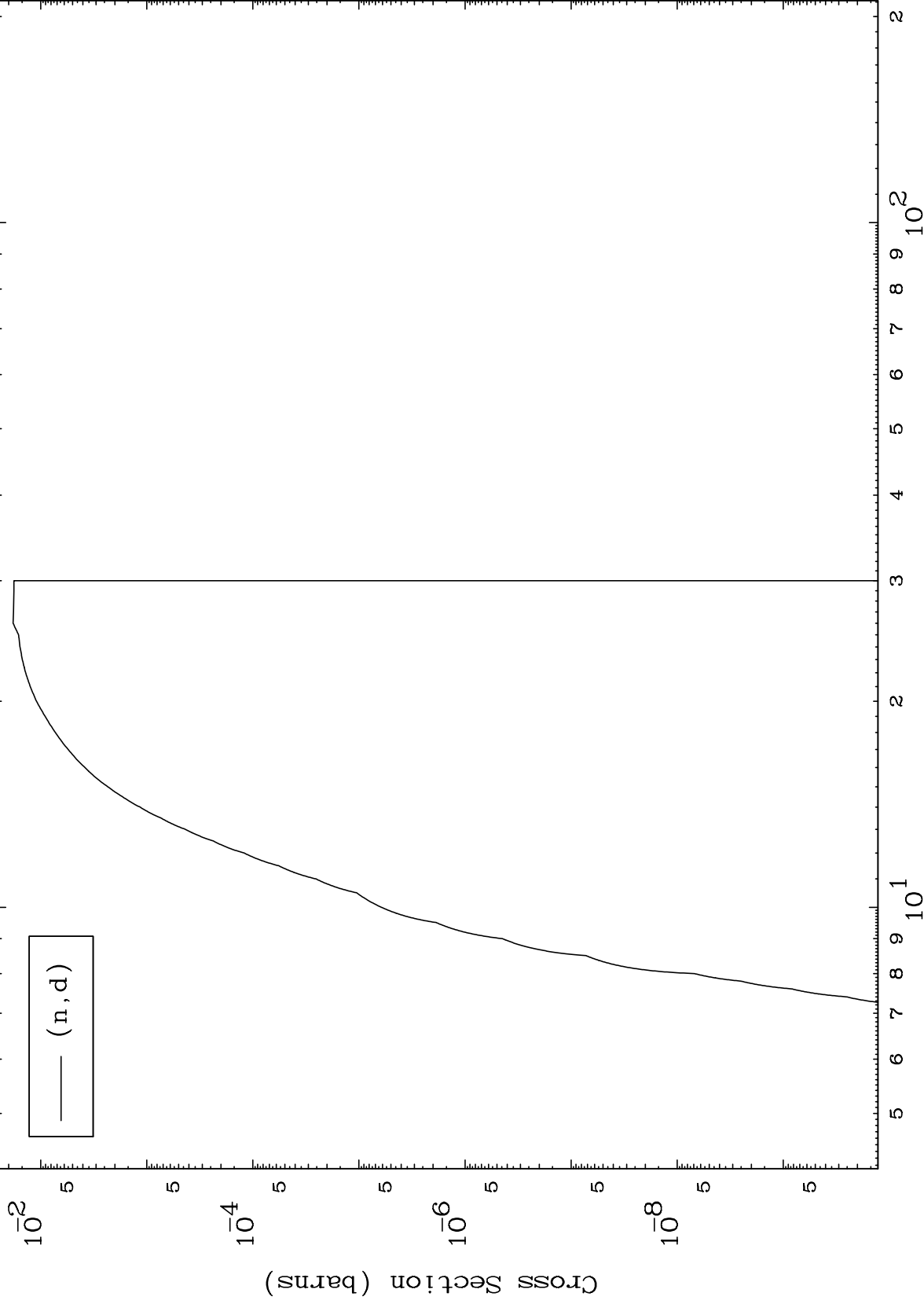
Incident Energy (MeV)

51-Sb-123

MAT 5131

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-123



11

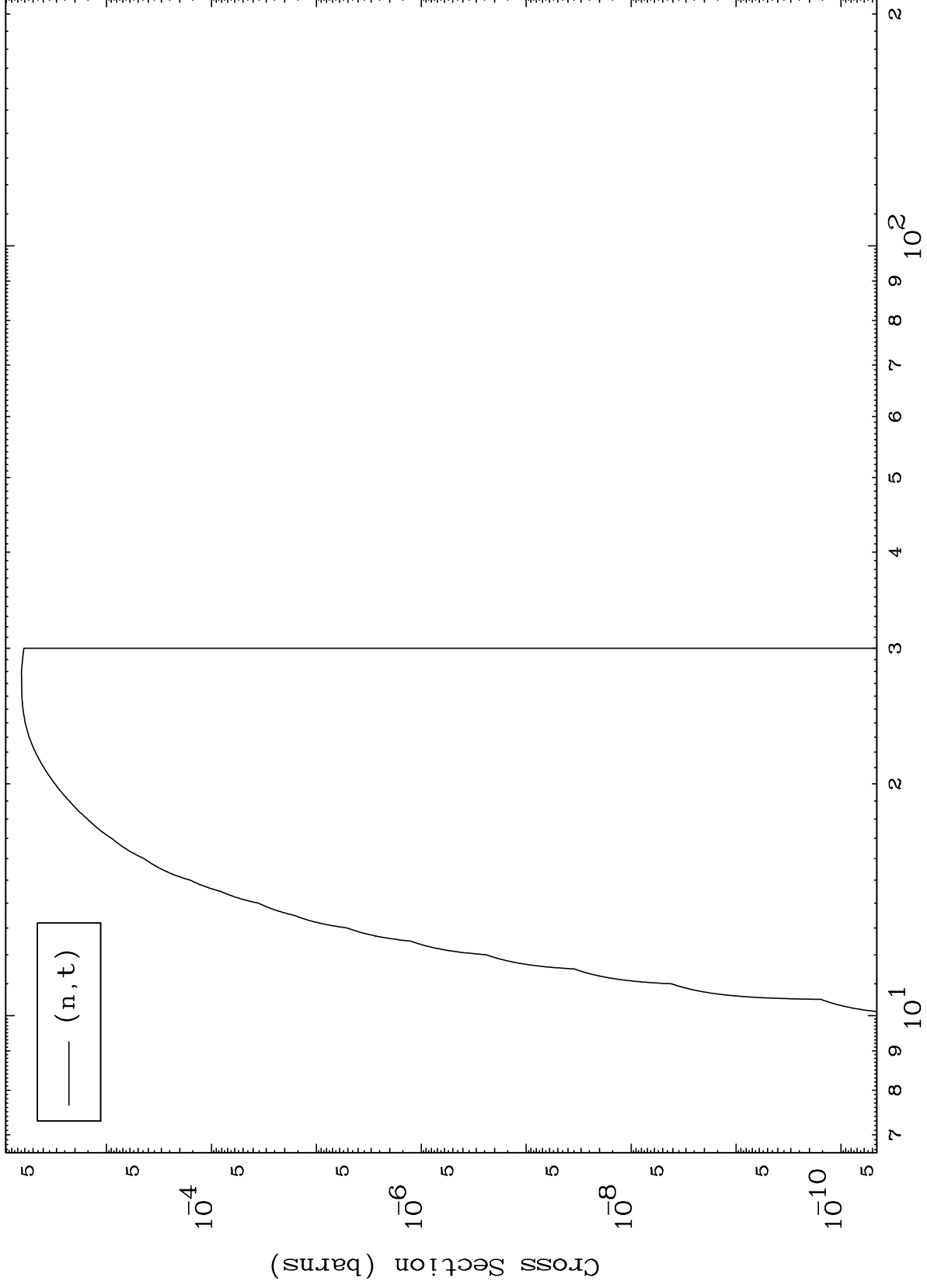
Incident Energy (MeV)

51-Sb-123

MAT 5131

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-123



12

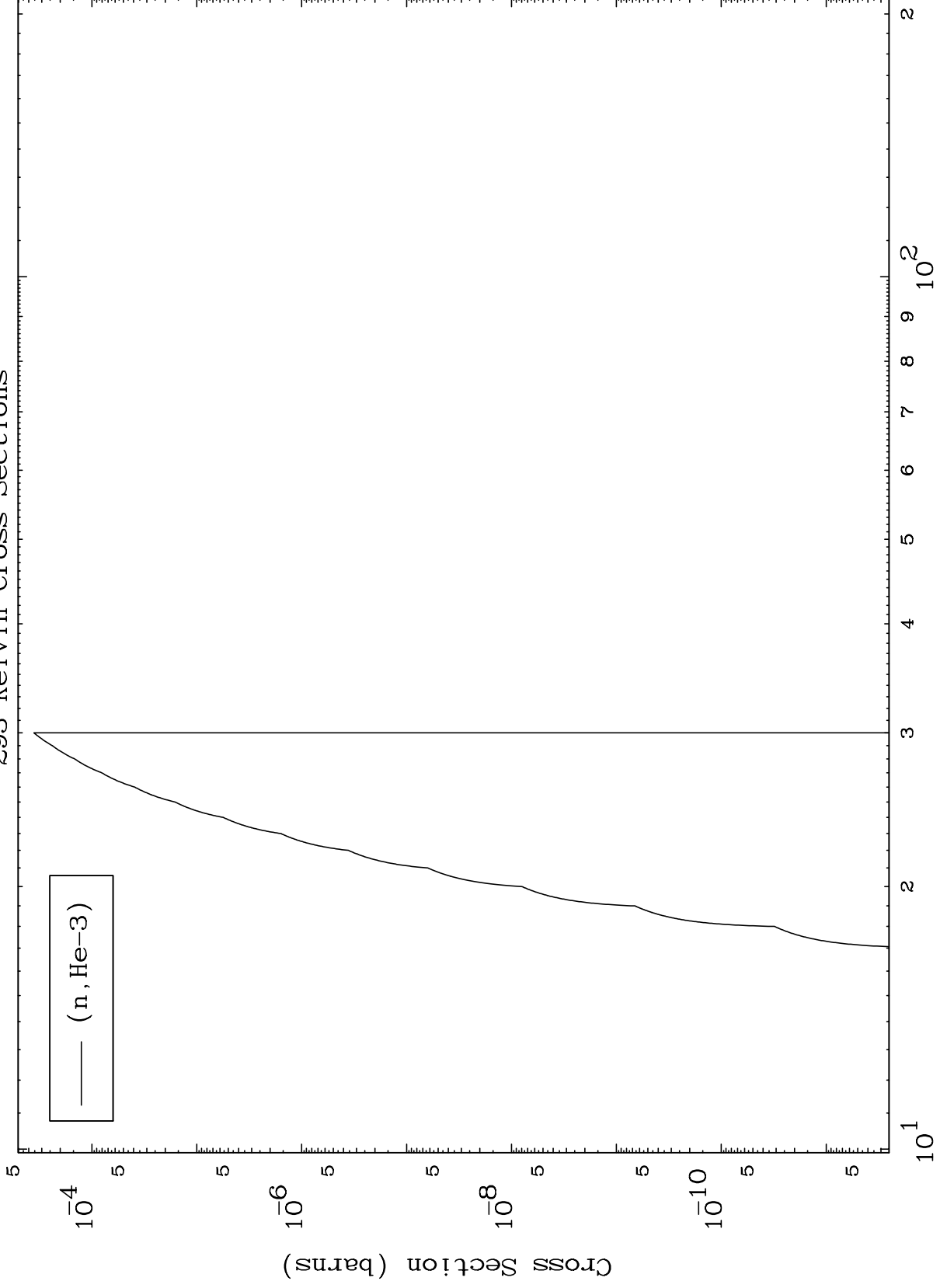
Incident Energy (MeV)

51-Sb-123

MAT 5131

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-123



13

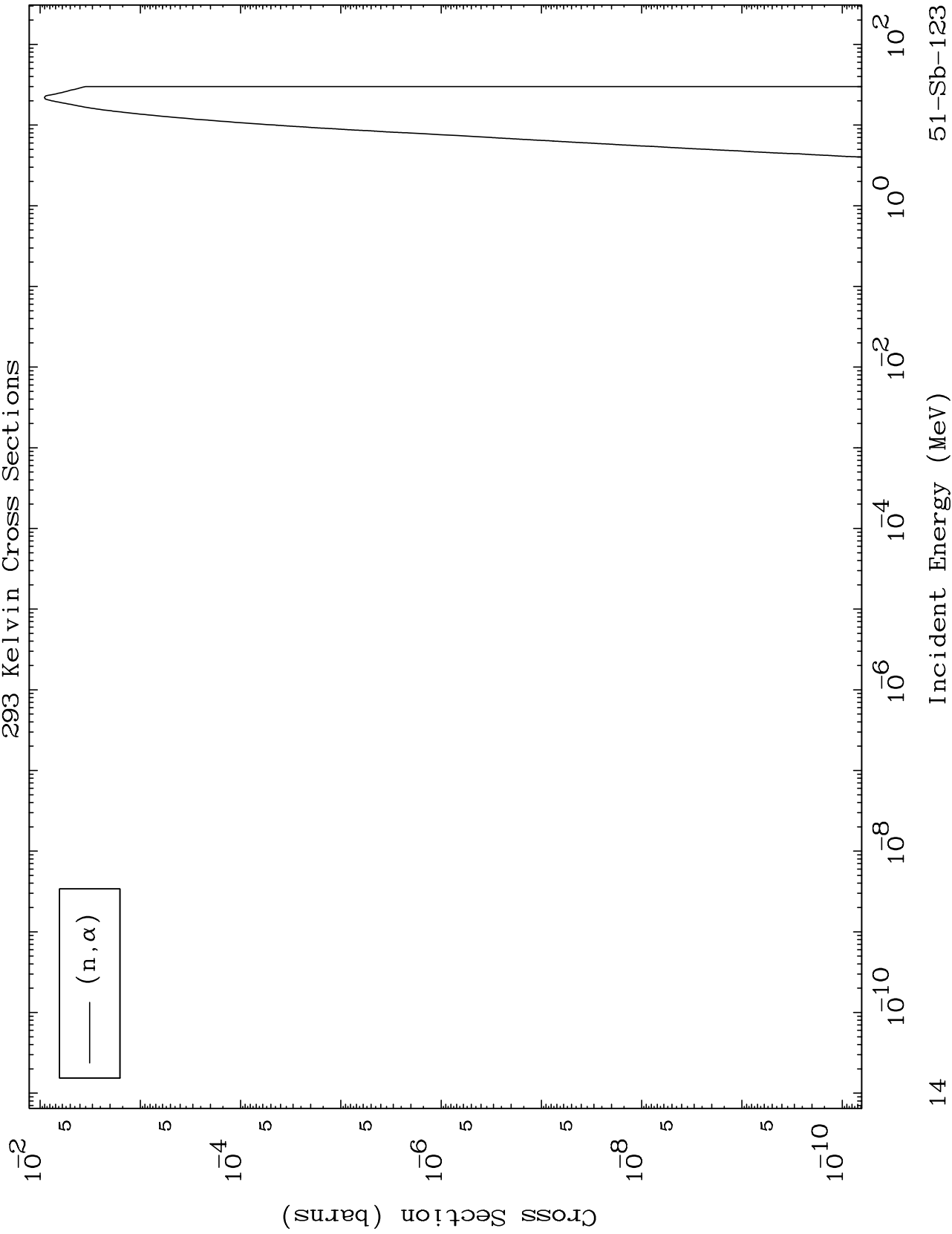
Incident Energy (MeV)

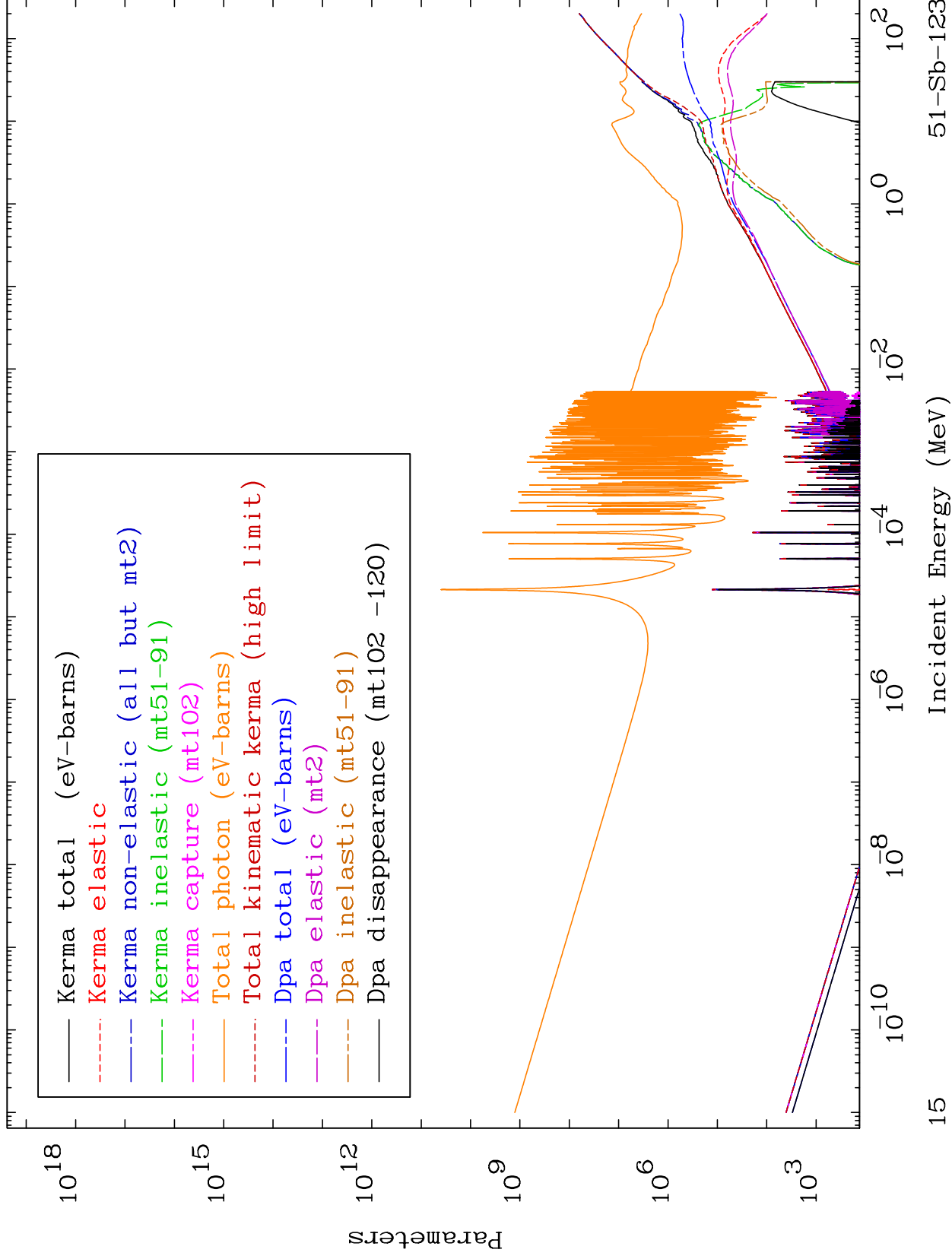
51-Sb-123

MAT 5131

(n, α) Levels
293 Kelvin Cross Sections

51-Sb-123

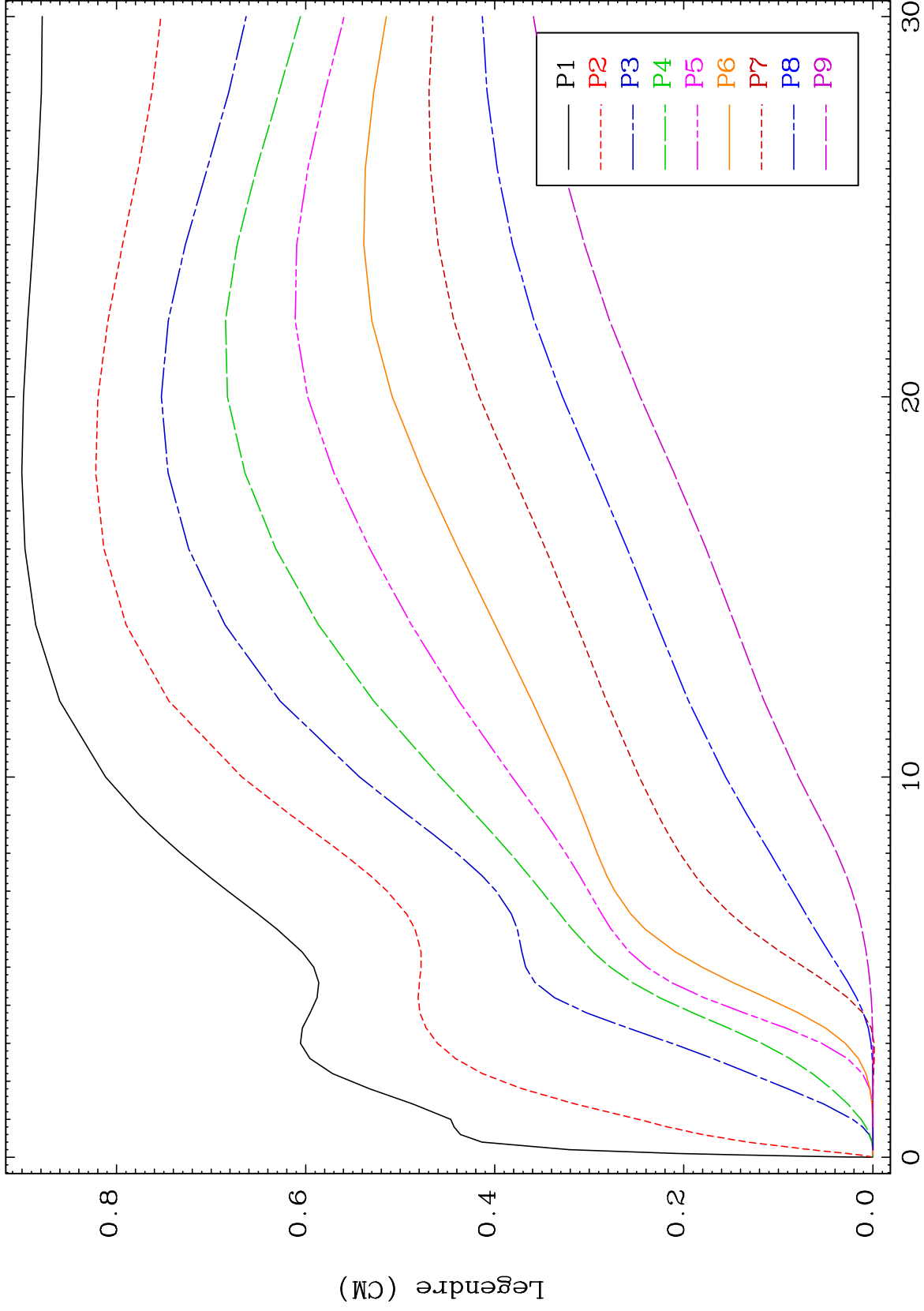




MAT 5131

Elastic Legendre Coefficients

51-Sb-123



16

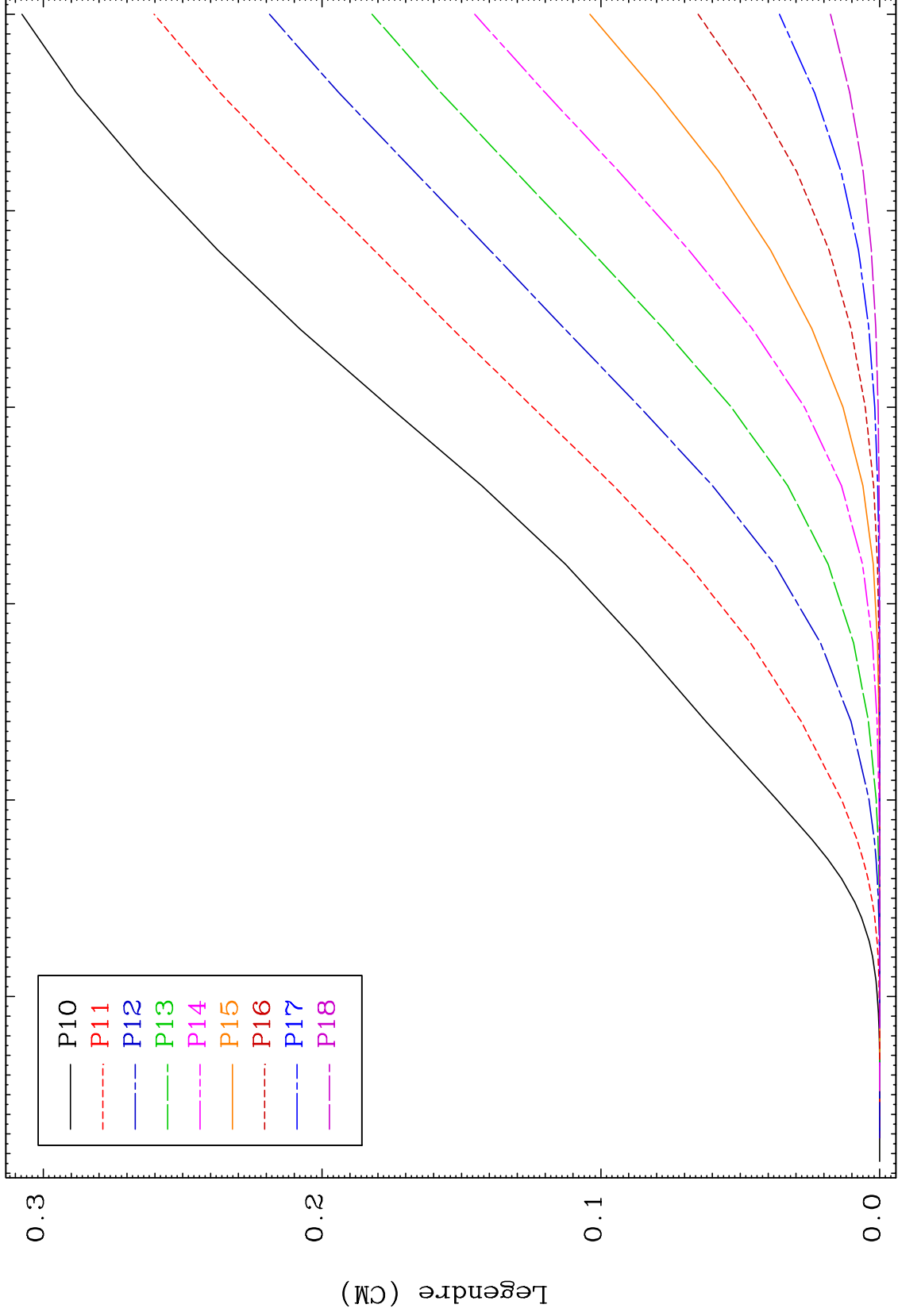
Incident Energy (MeV)

51-Sb-123

MAT 5131

Elastic
Legendre Coefficients

51-Sb-123



17

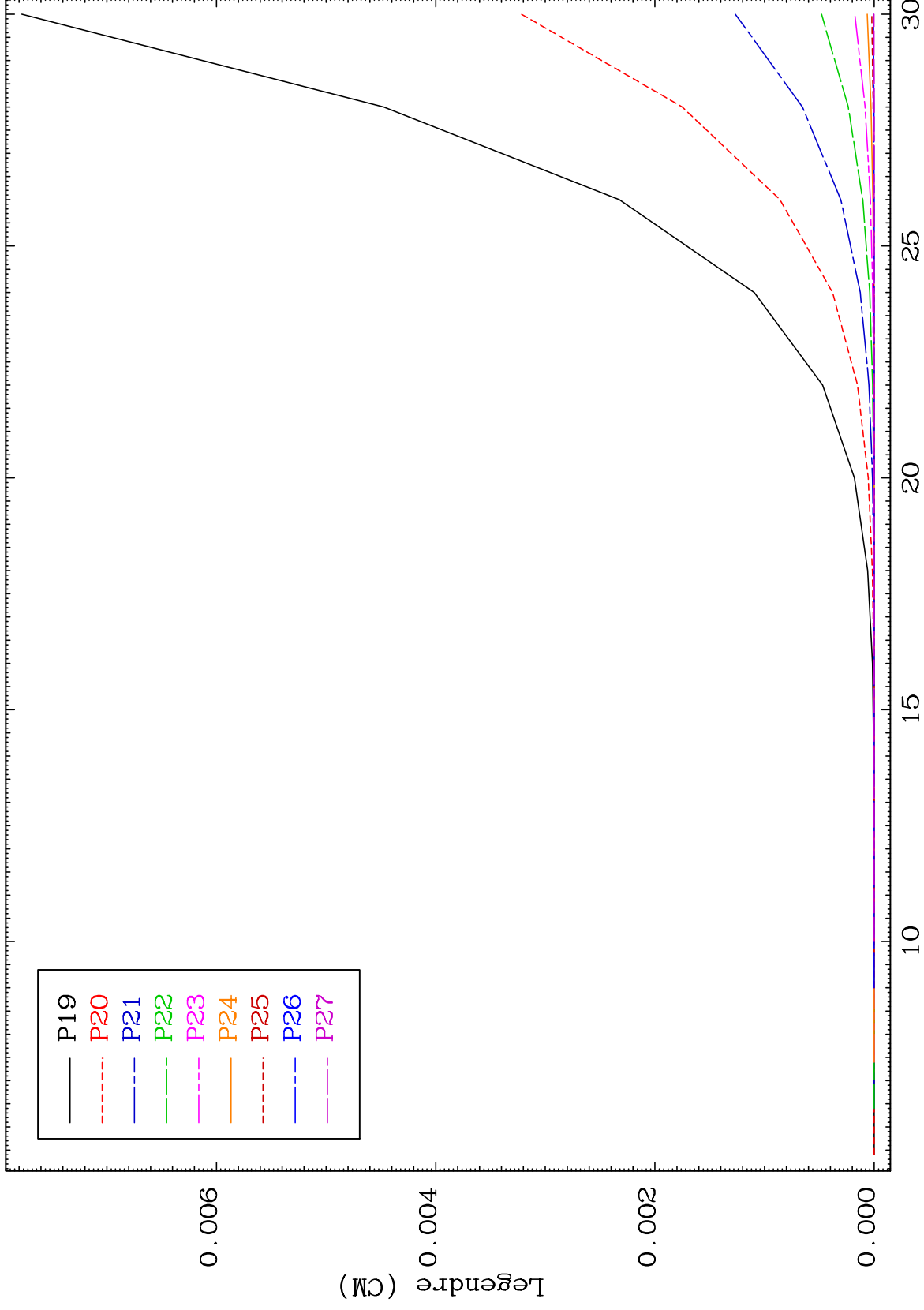
Incident Energy (MeV)

51-Sb-123

MAT 5131

Elastic
Legendre Coefficients

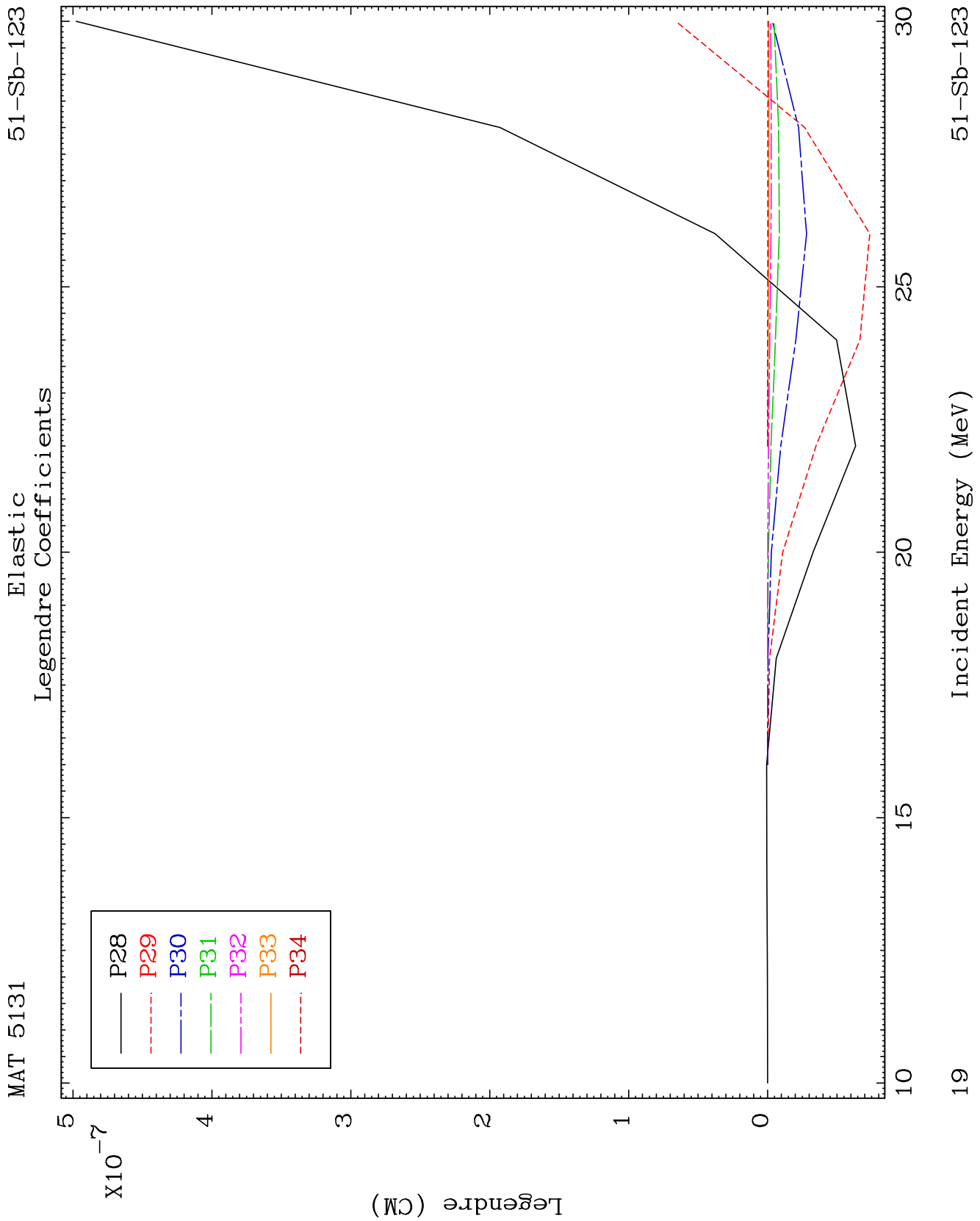
51-Sb-123



18

Incident Energy (MeV)

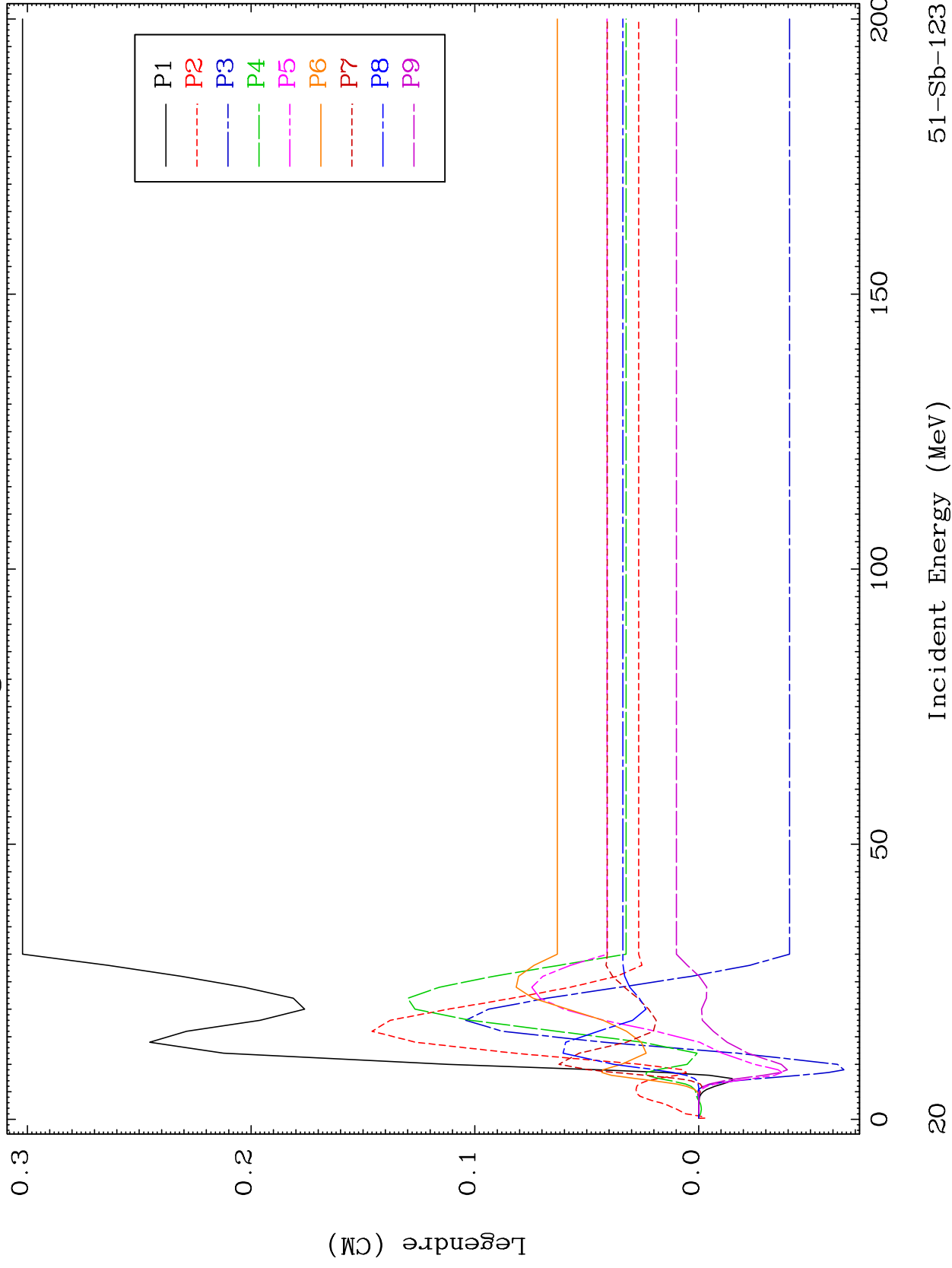
51-Sb-123



MAT 5131

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

51-Sb-123



51-Sb-123

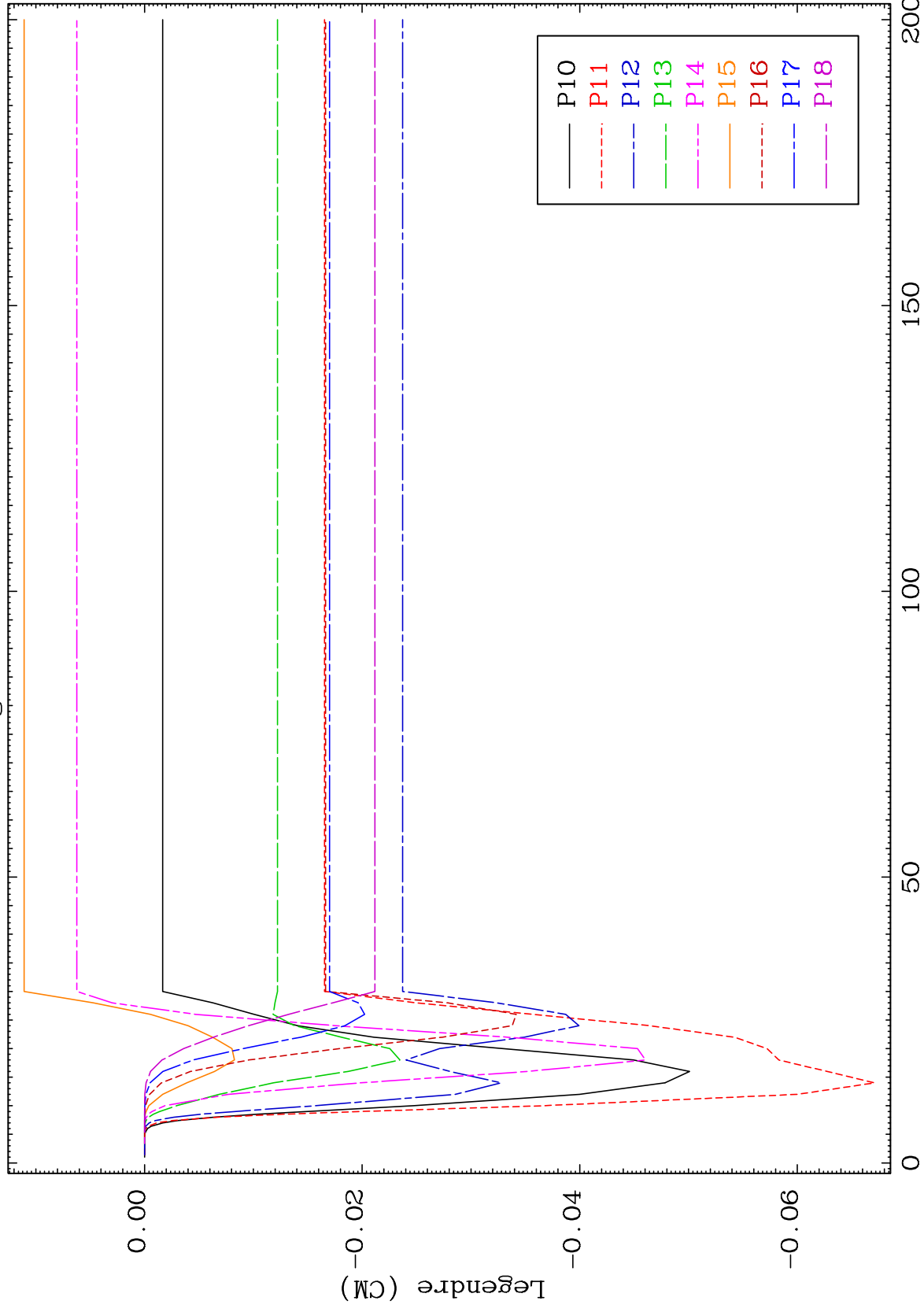
Incident Energy (MeV)

20

MAT 5131

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

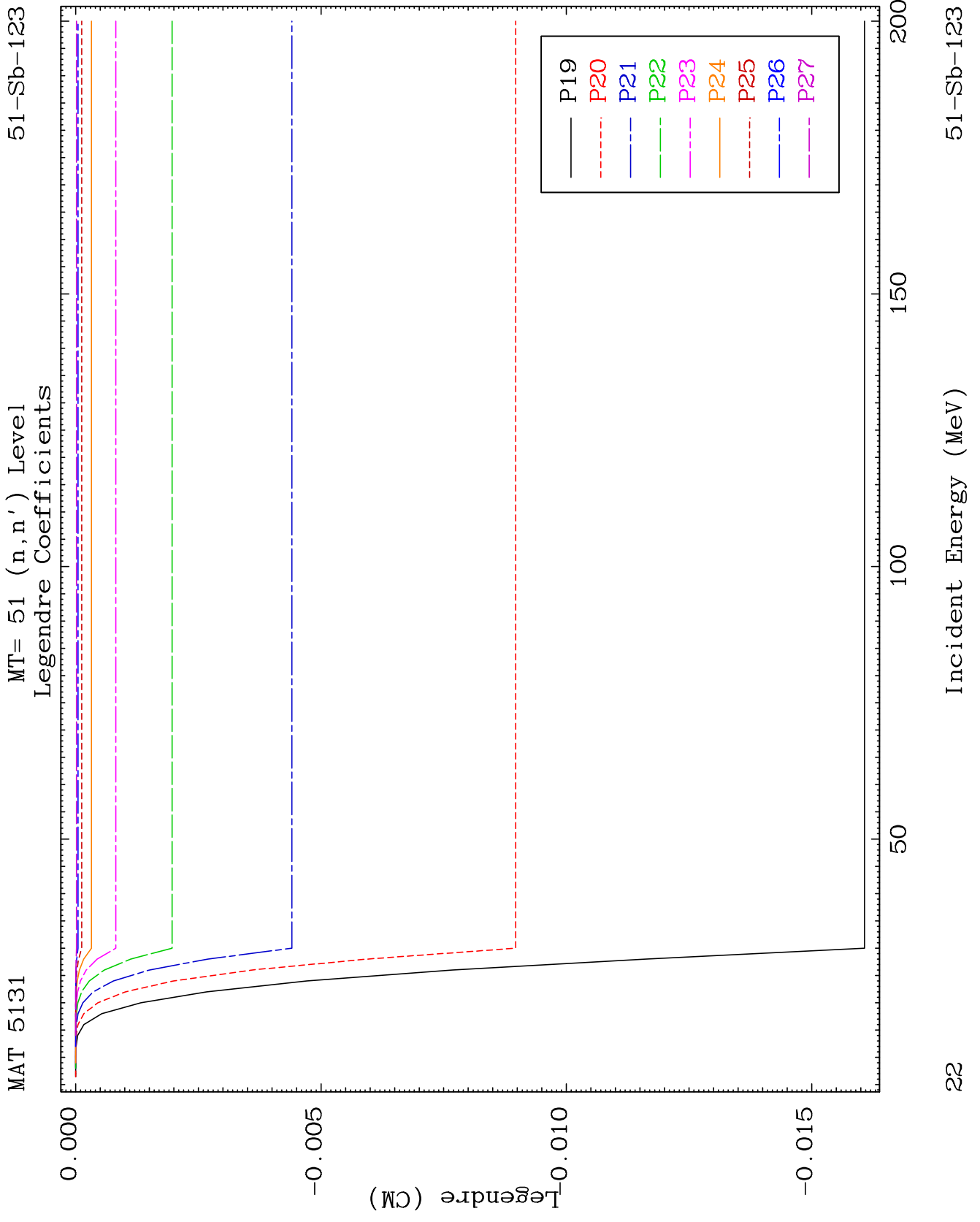
51-Sb-123



21

Incident Energy (MeV)

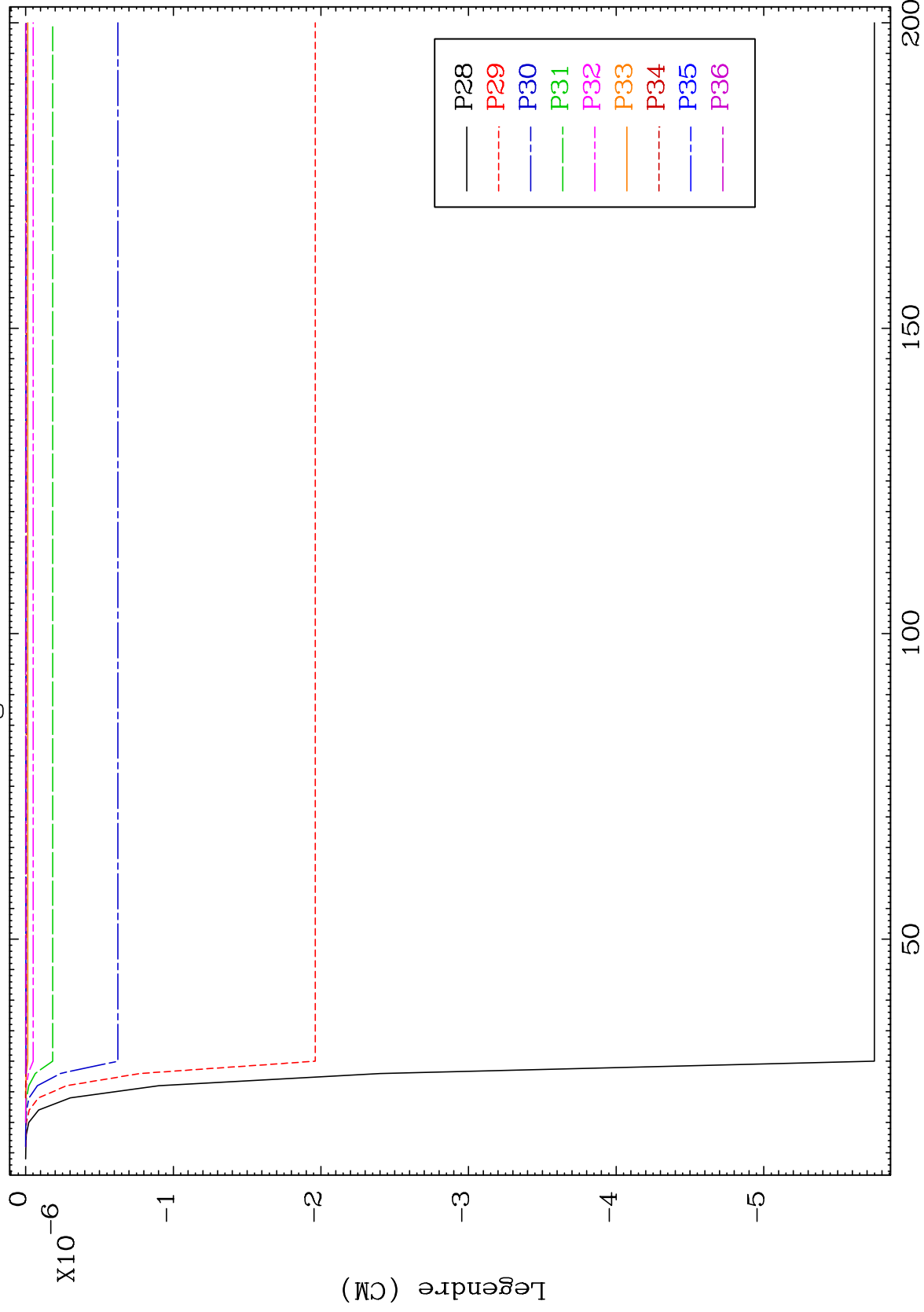
51-Sb-123



MAT 5131

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

51-Sb-123



23

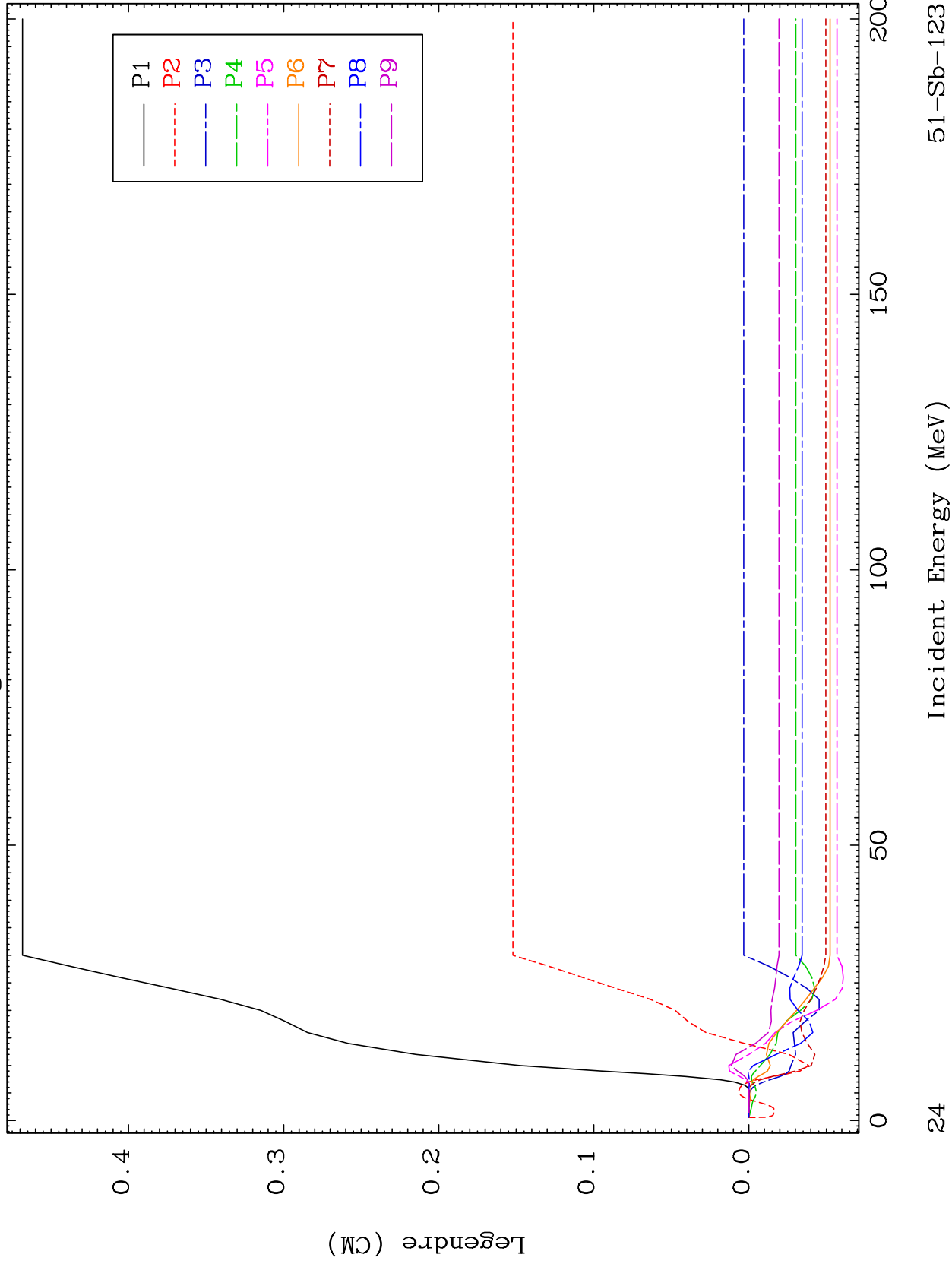
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



51-Sb-123

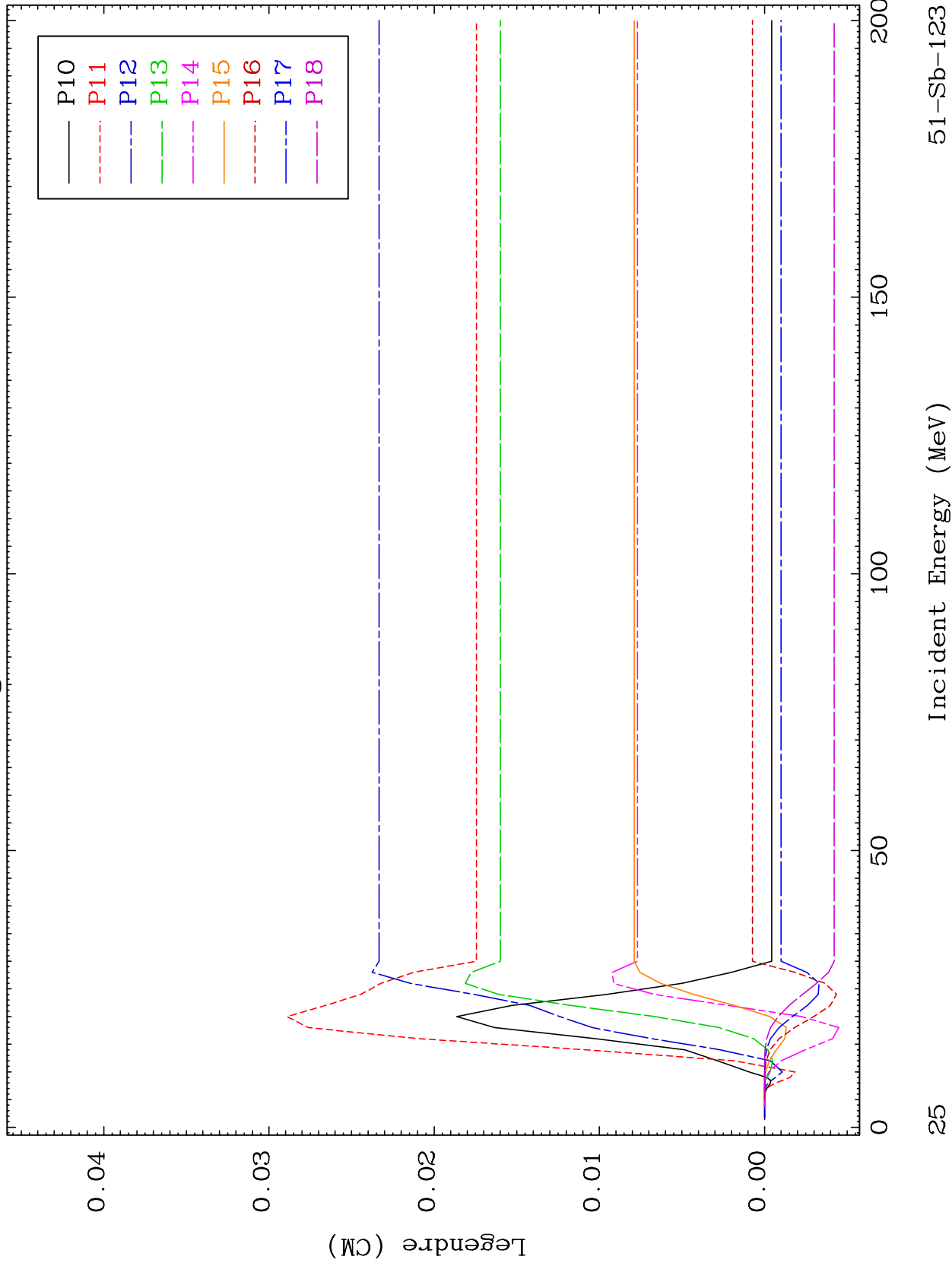
Incident Energy (MeV)

24

MAT 5131

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

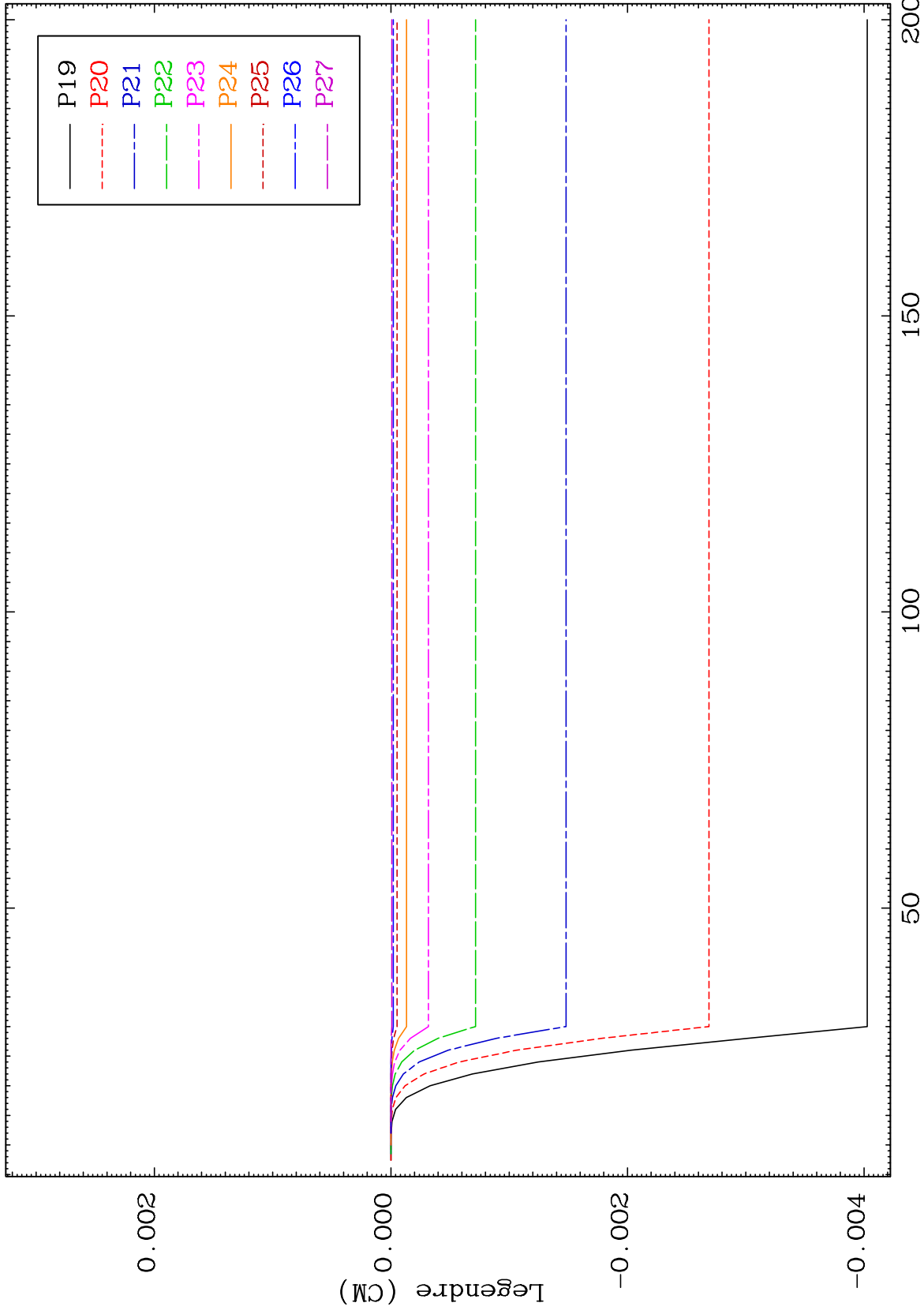
51-Sb-123



51-Sb-123

Incident Energy (MeV)

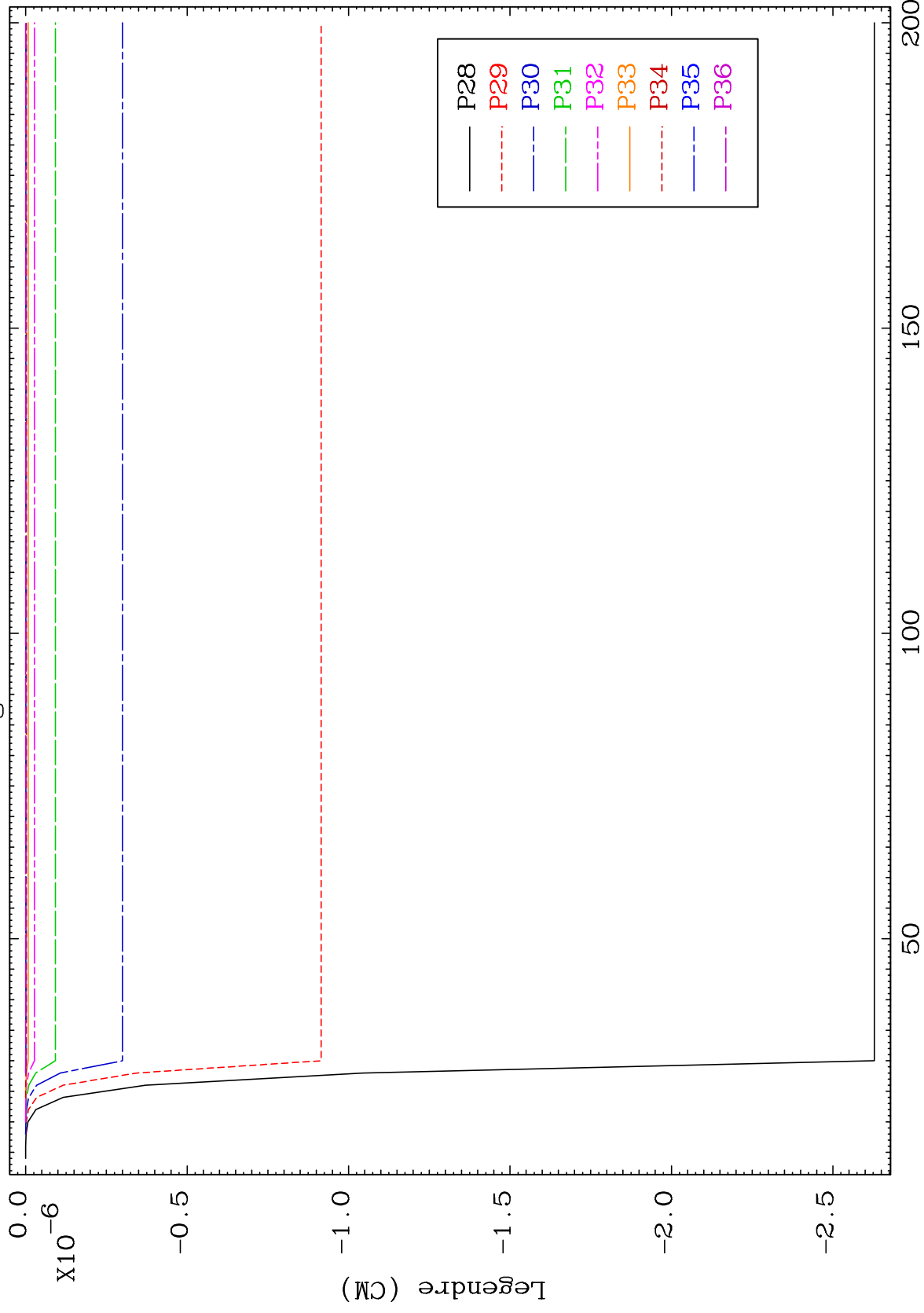
25



MAT 5131

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

51-Sb-123



27

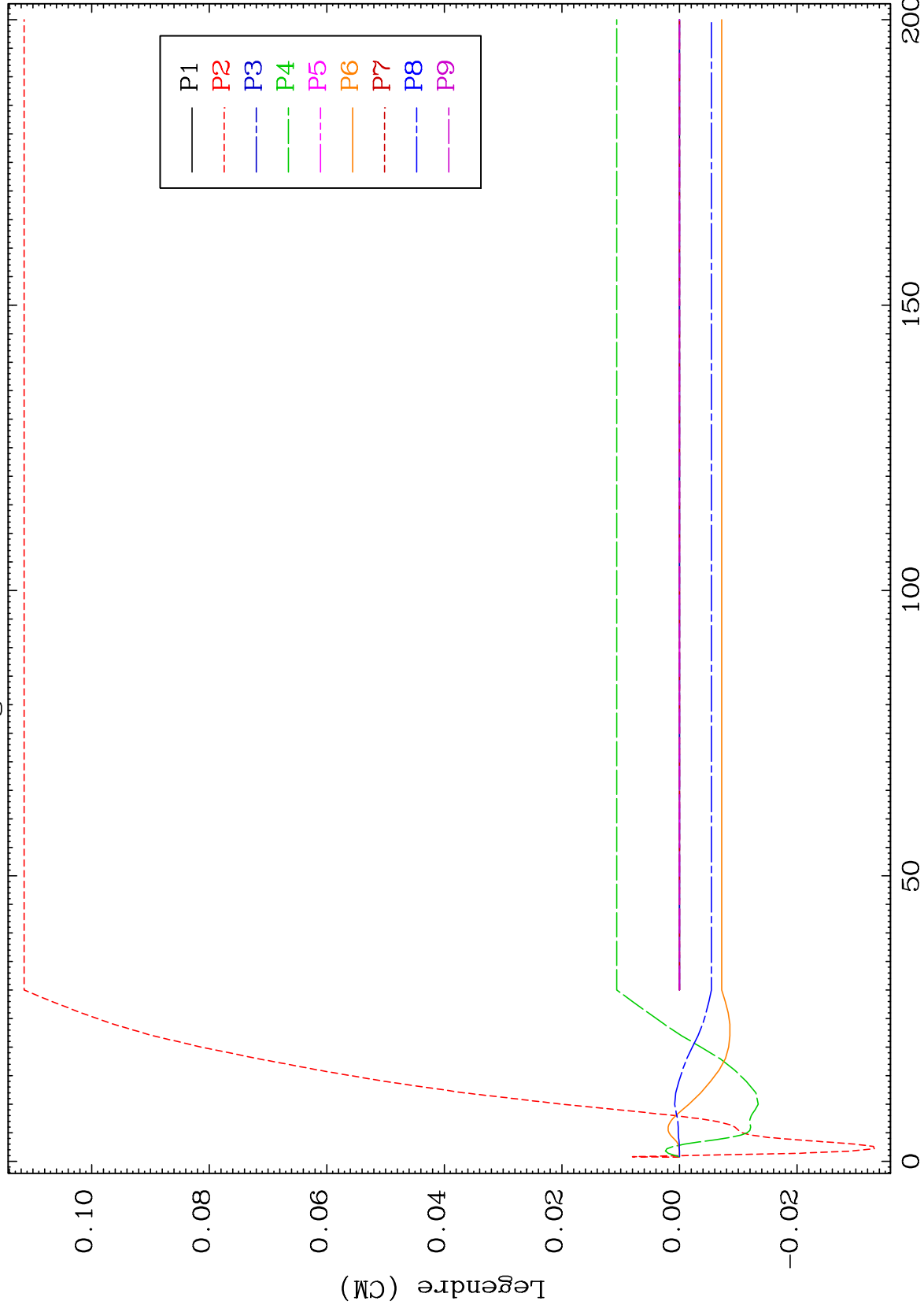
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



51-Sb-123

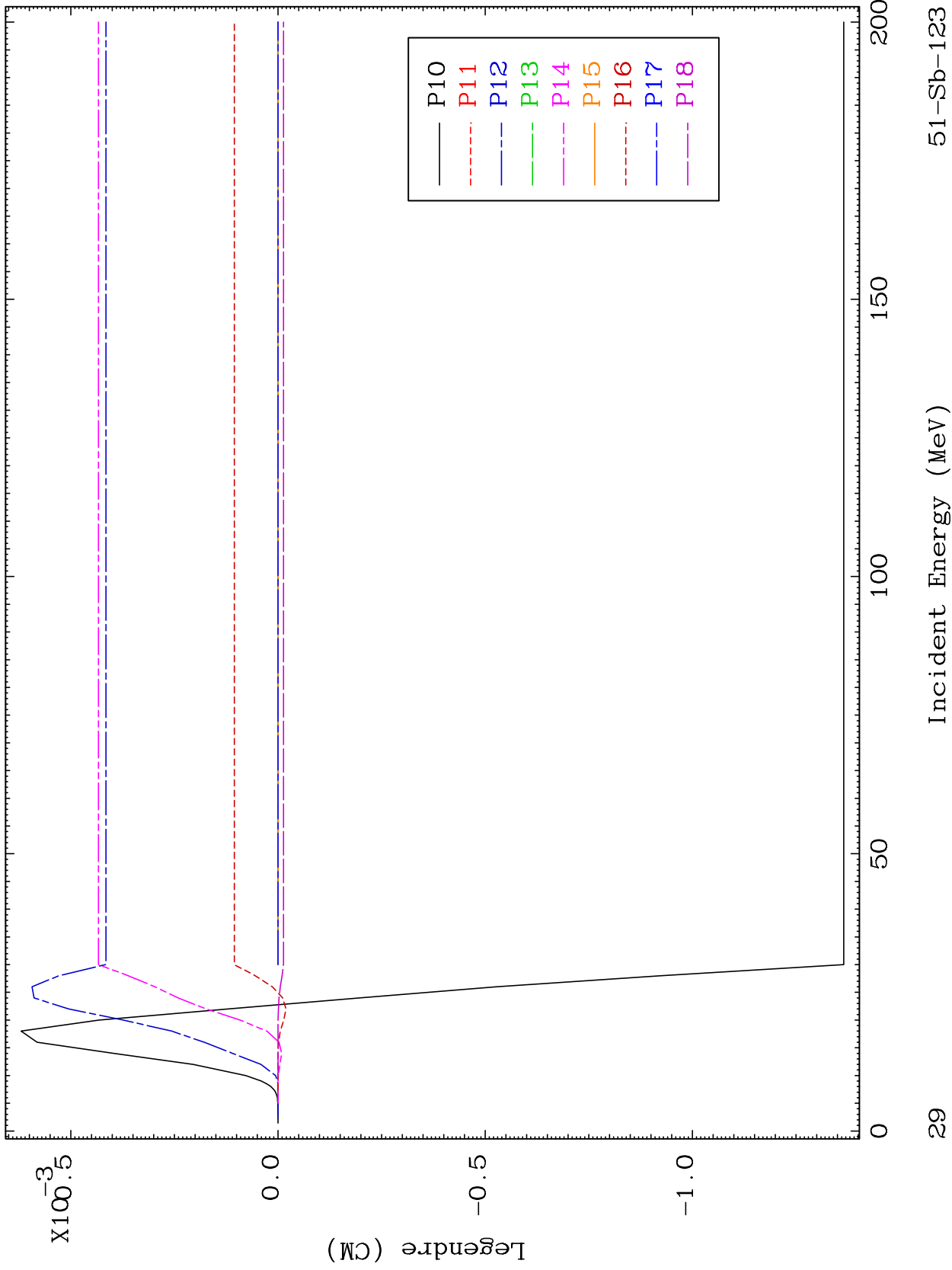
Incident Energy (MeV)

28

MAT 5131

51-Sb-123

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



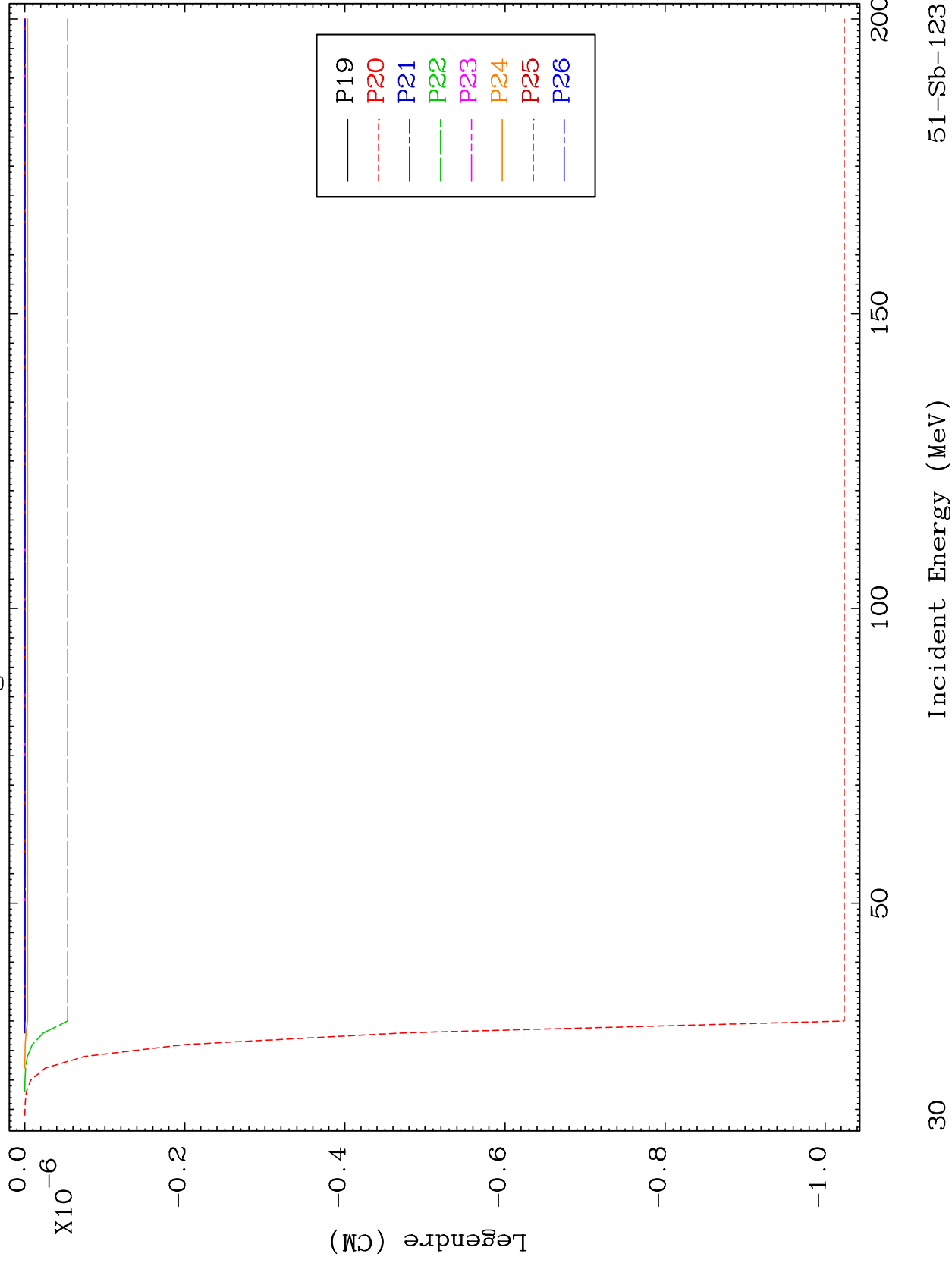
29

51-Sb-123

MAT 5131

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

51-Sb-123



51-Sb-123

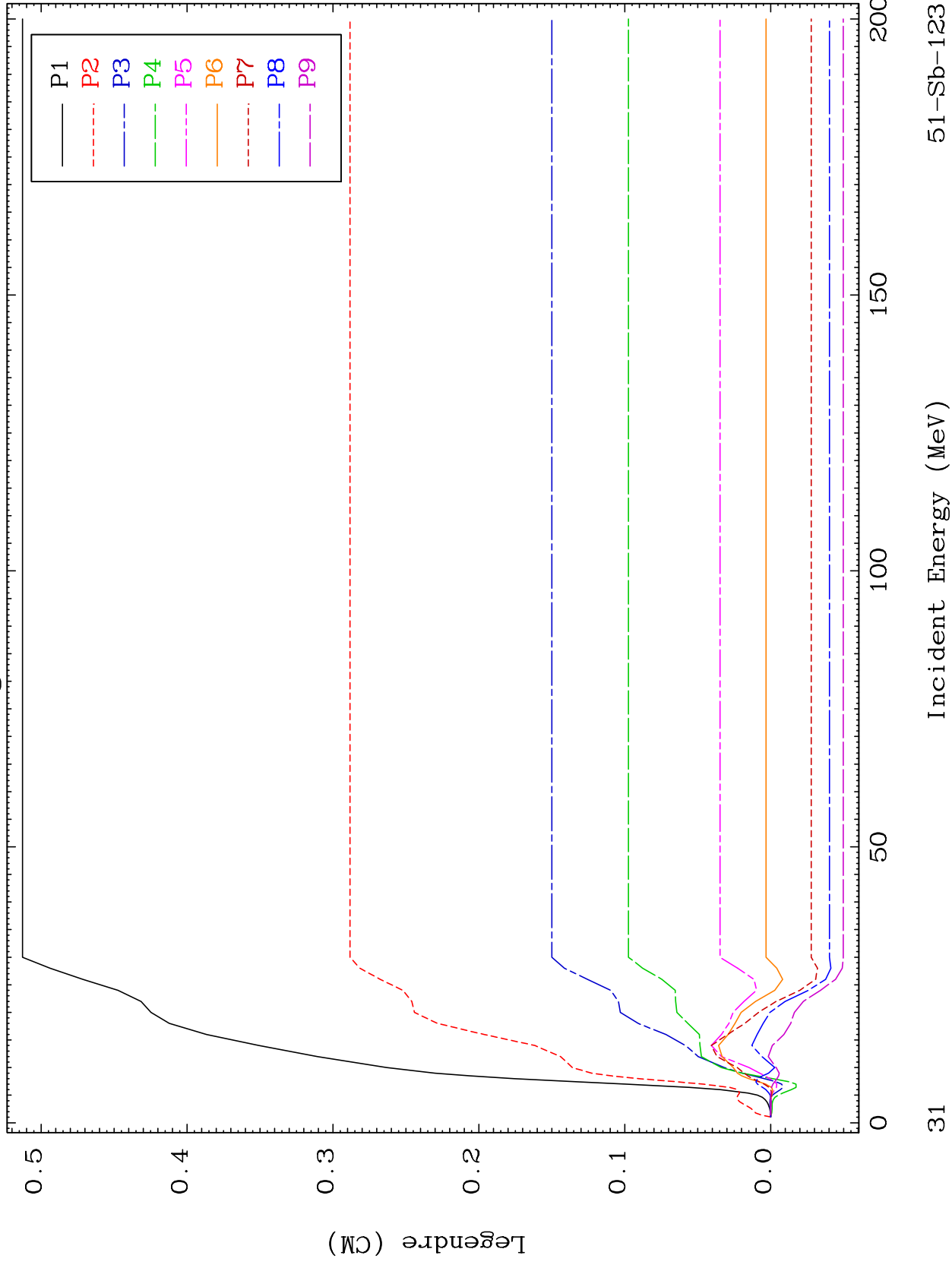
Incident Energy (MeV)

30

MAT 5131

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

51-Sb-123



51-Sb-123

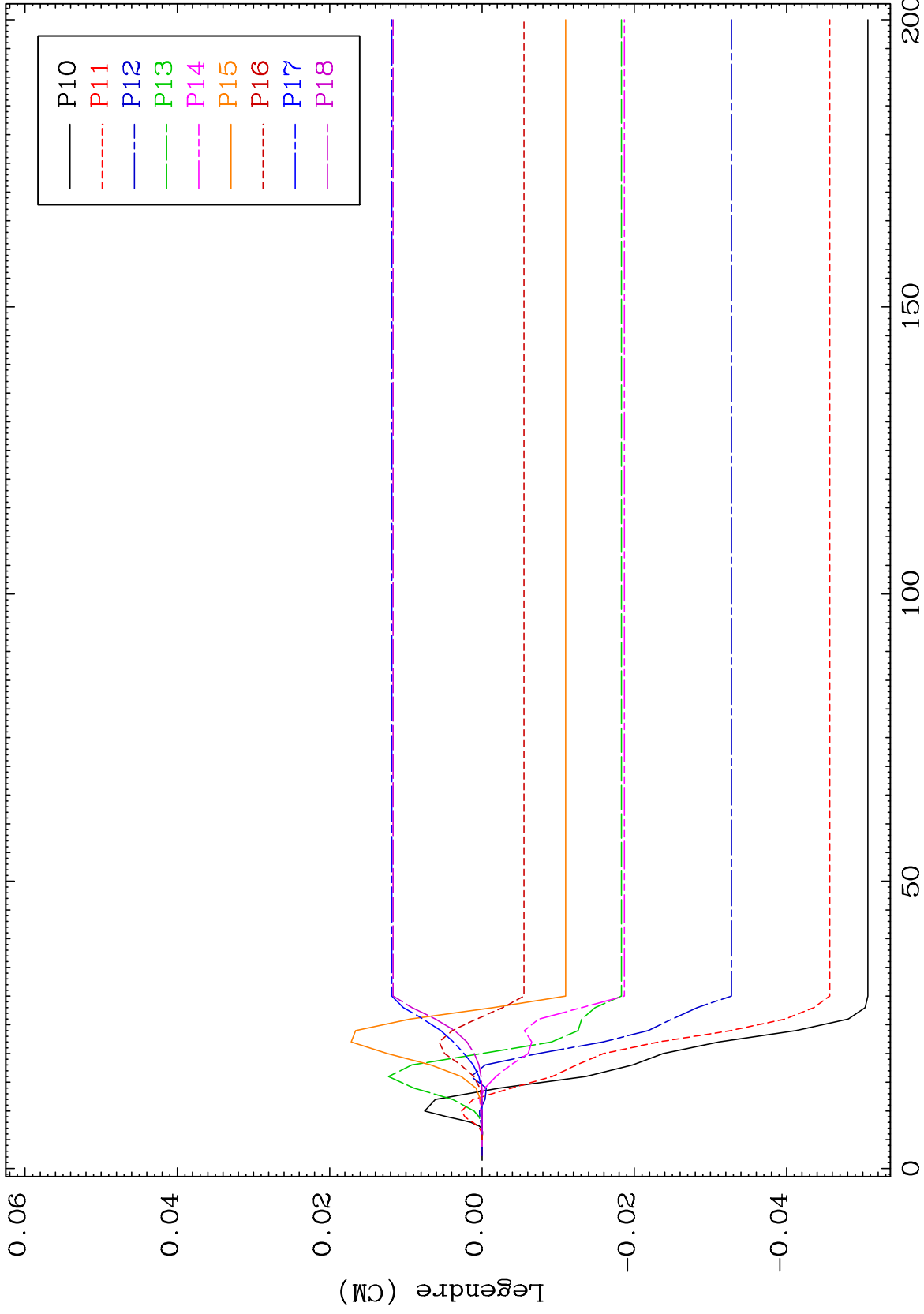
Incident Energy (MeV)

31

MAT 5131

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

51-Sb-123



32

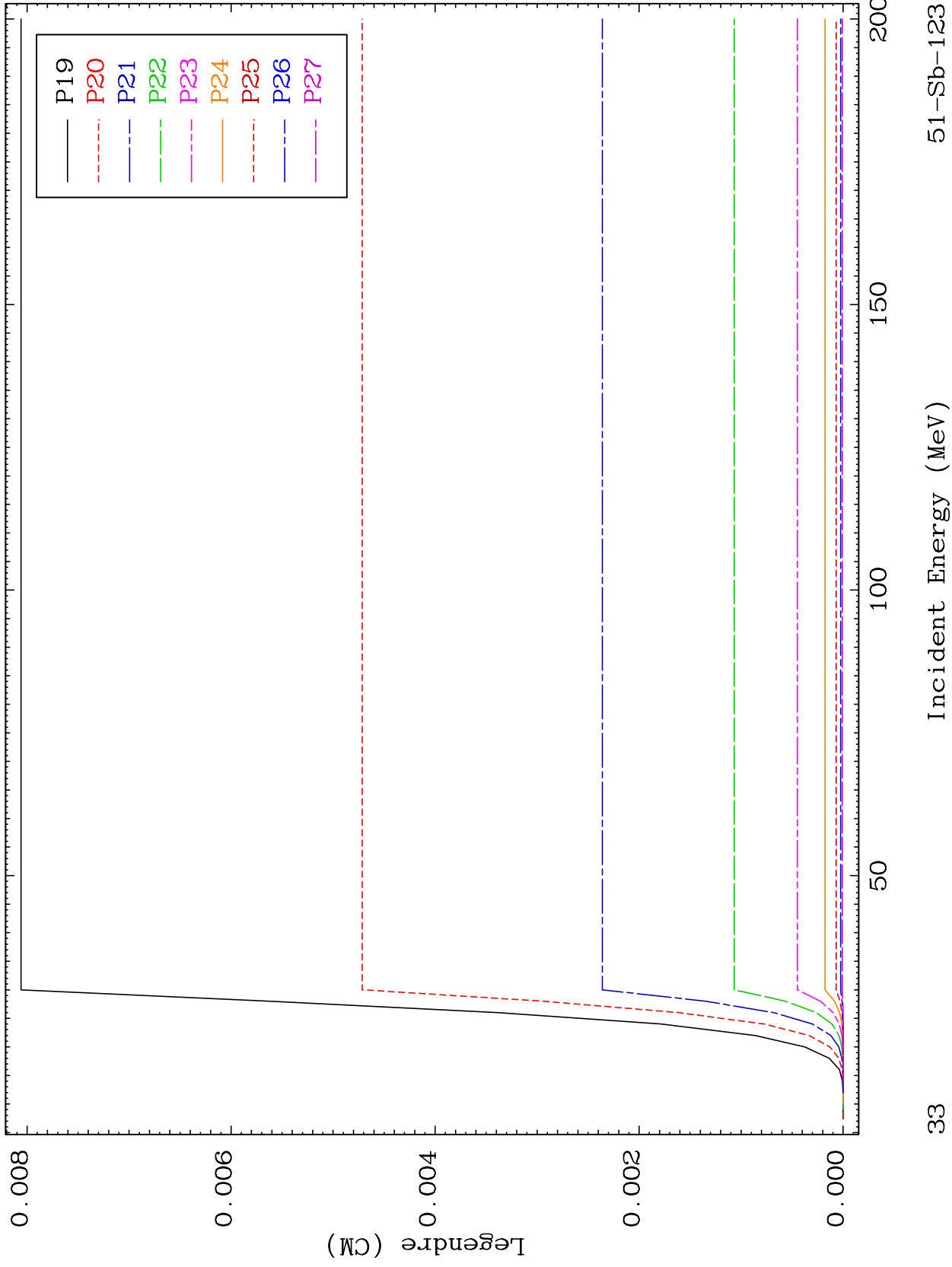
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



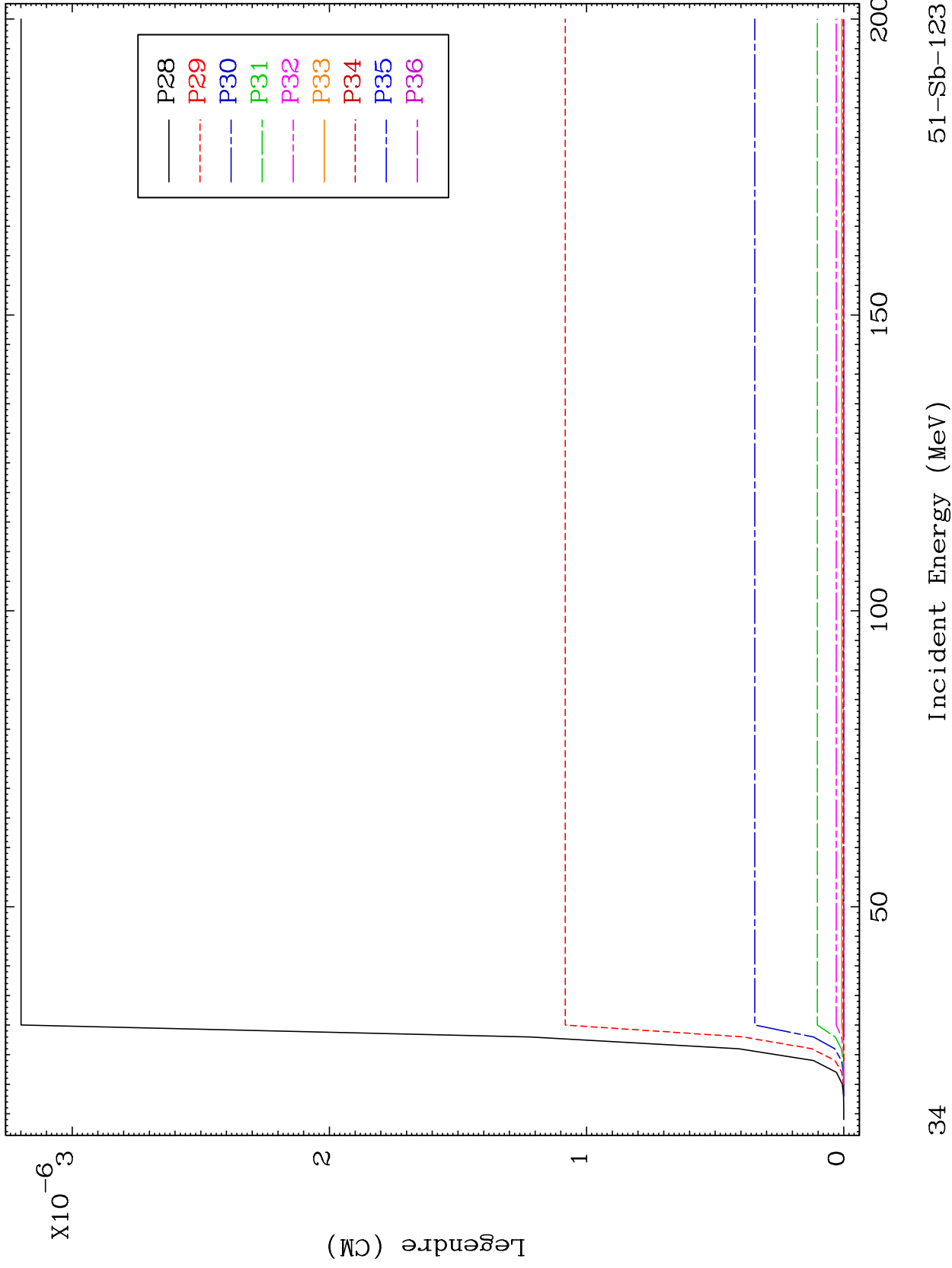
33

51-Sb-123

MAT 5131

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

51-Sb-123



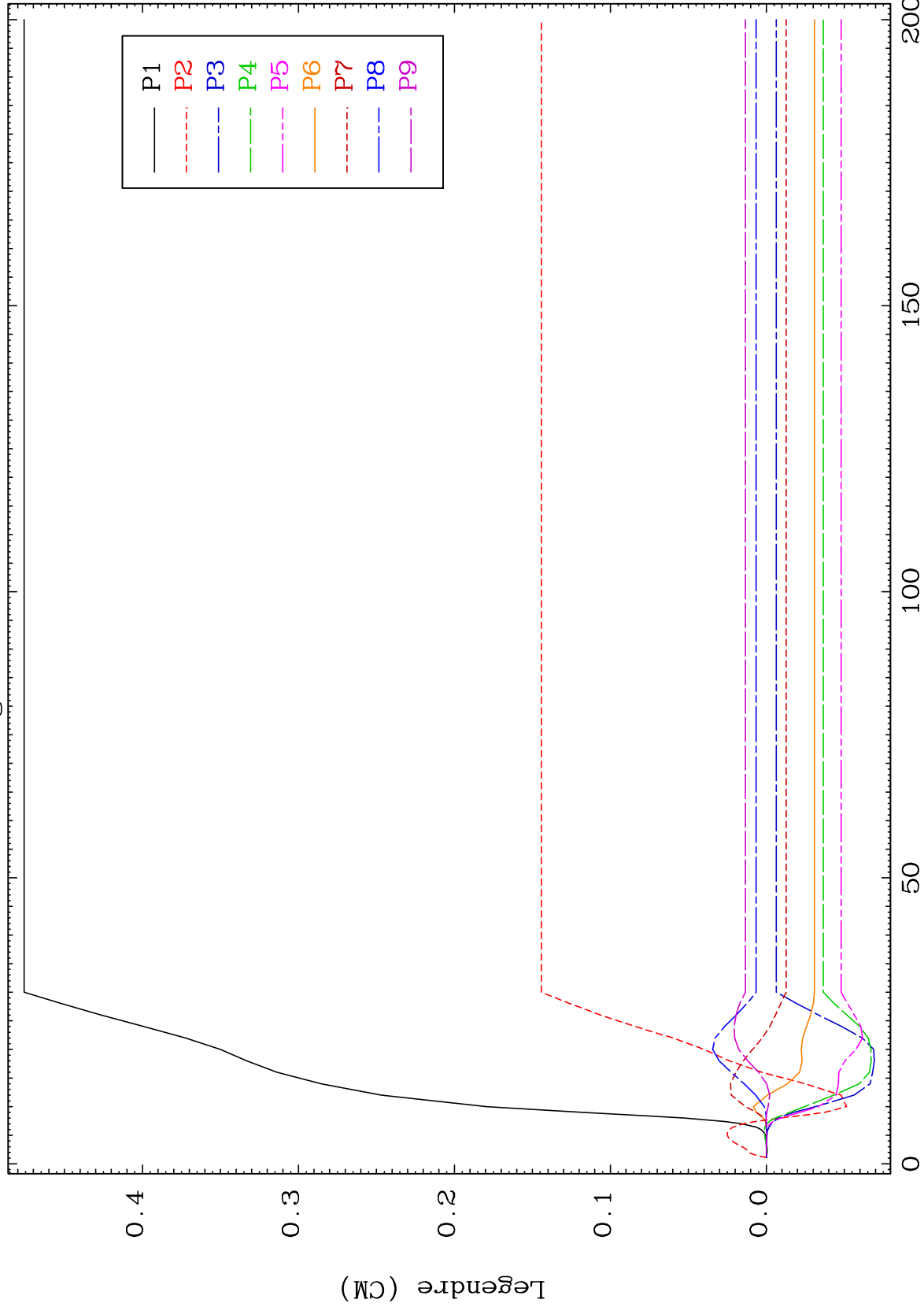
34

51-Sb-123

MAT 5131

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

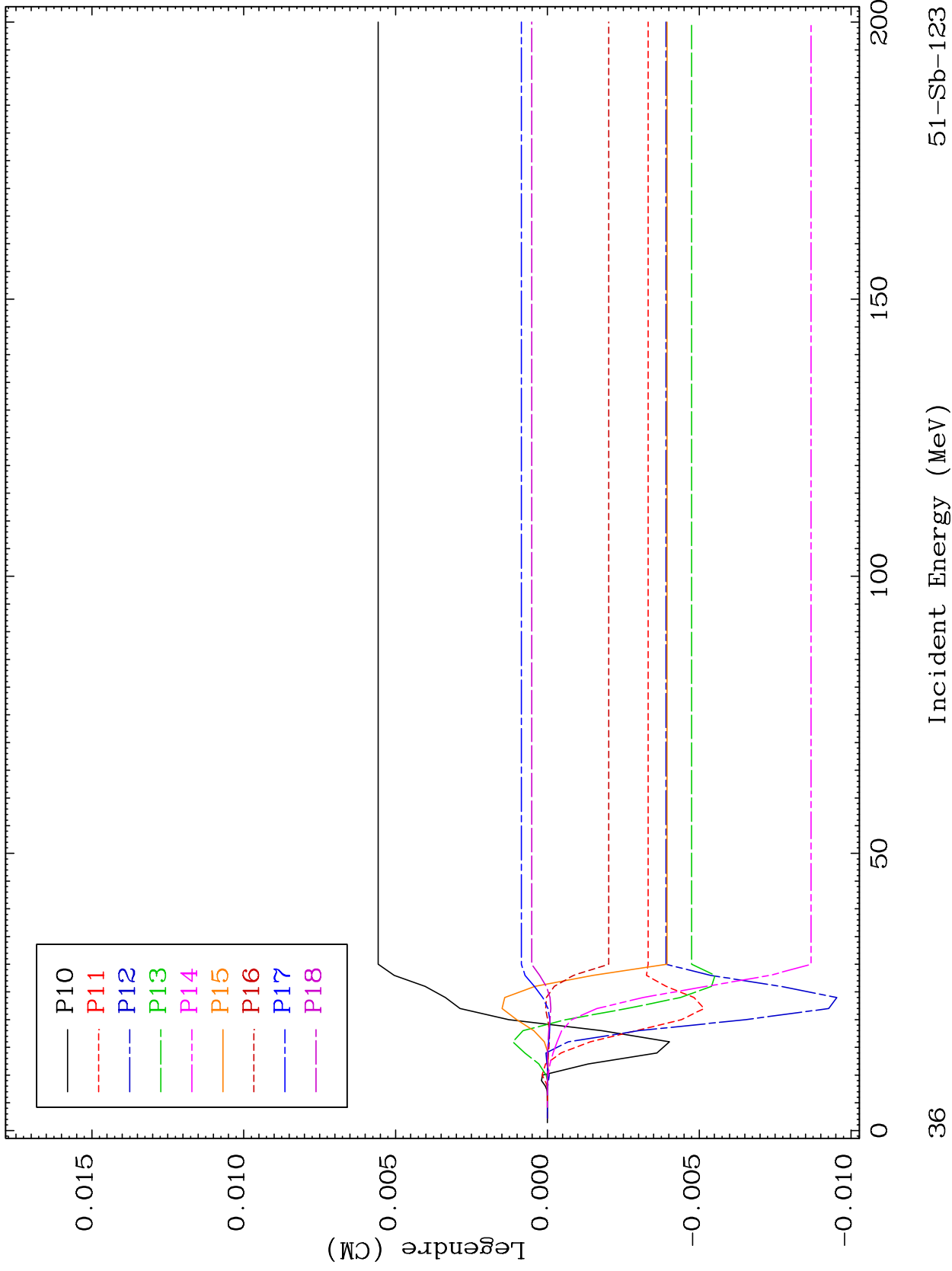
51-Sb-123

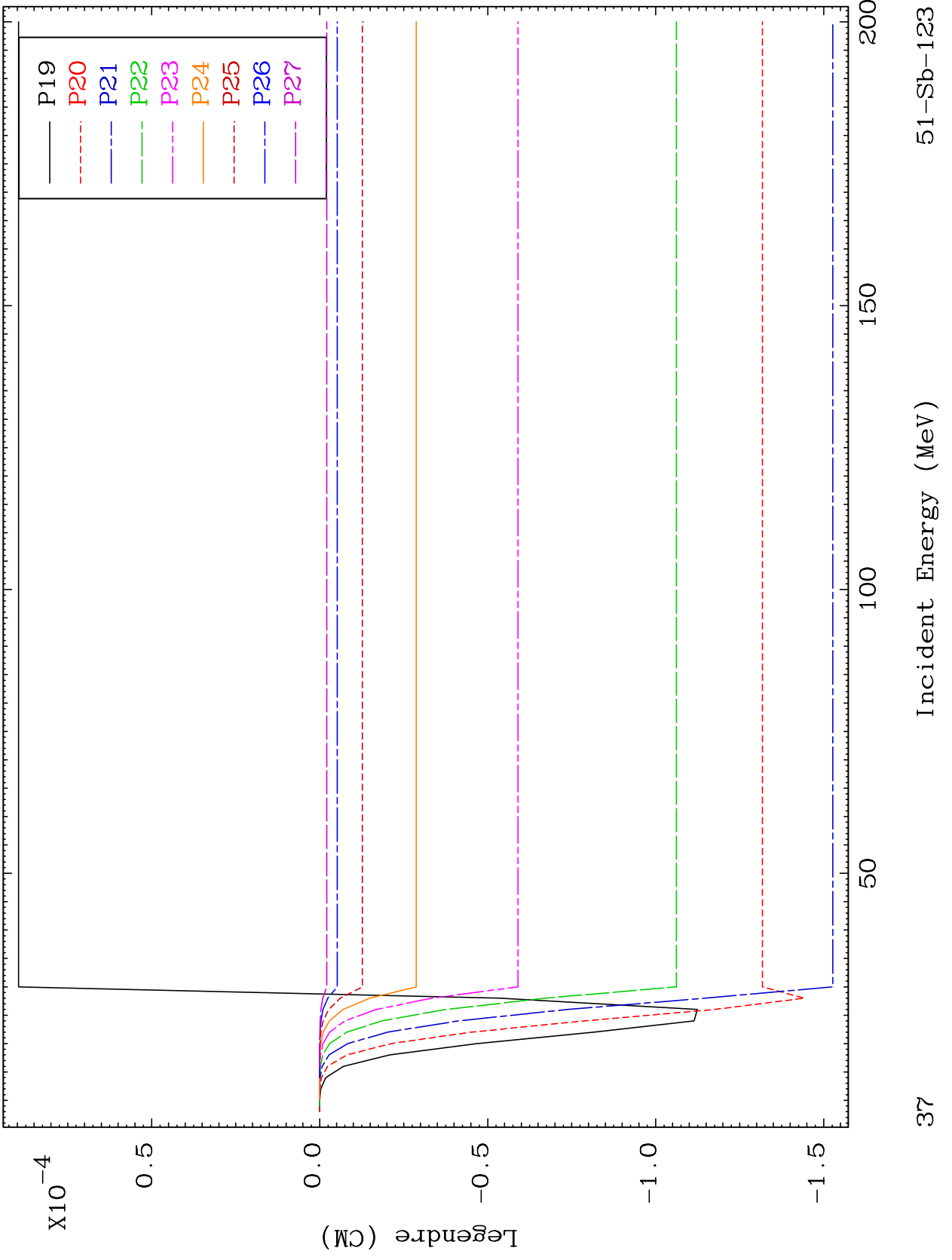


35

Incident Energy (MeV)

51-Sb-123



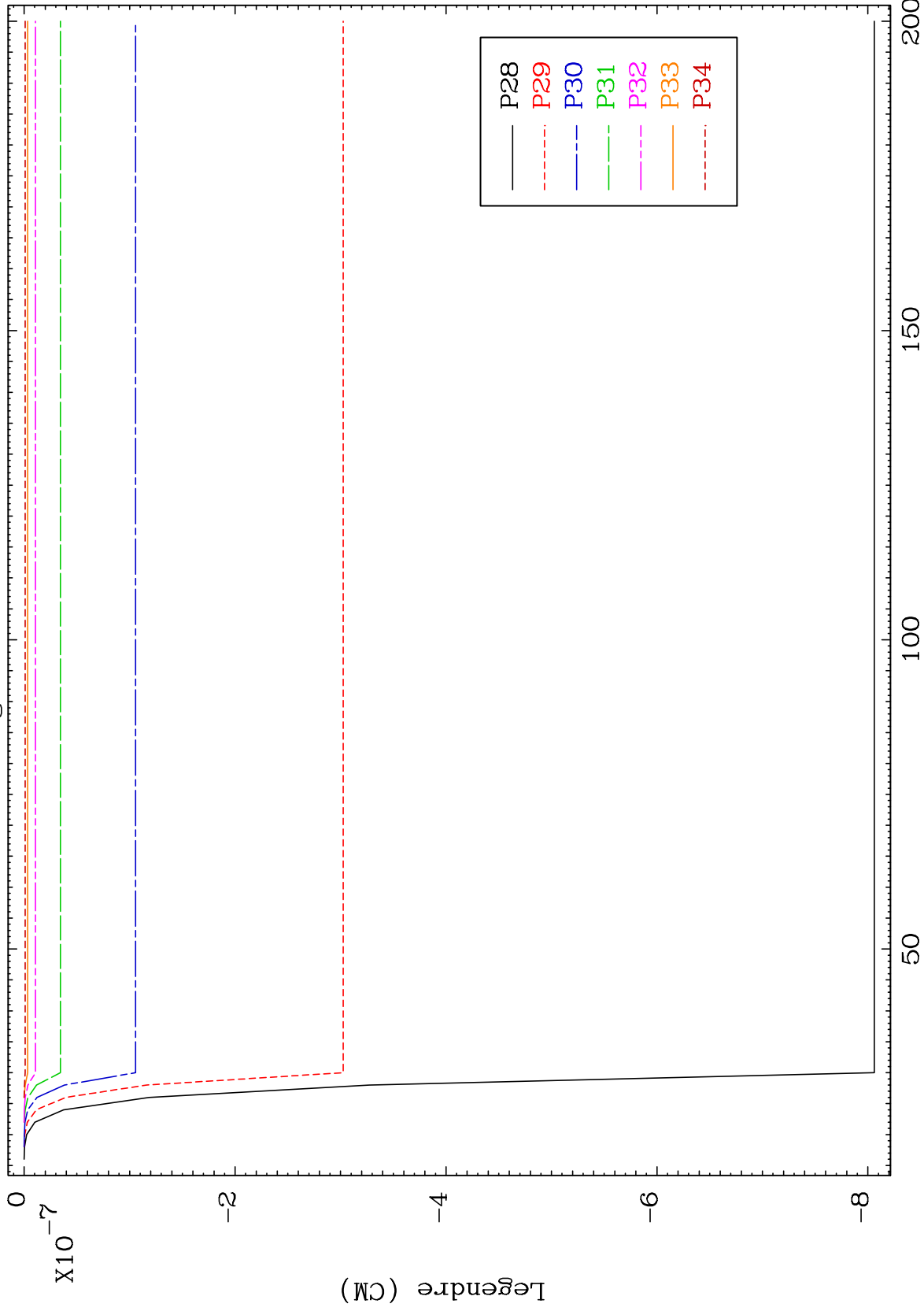


MAT 5131

MT= 55 (n,n') Level

51-Sb-123

Legendre Coefficients



38

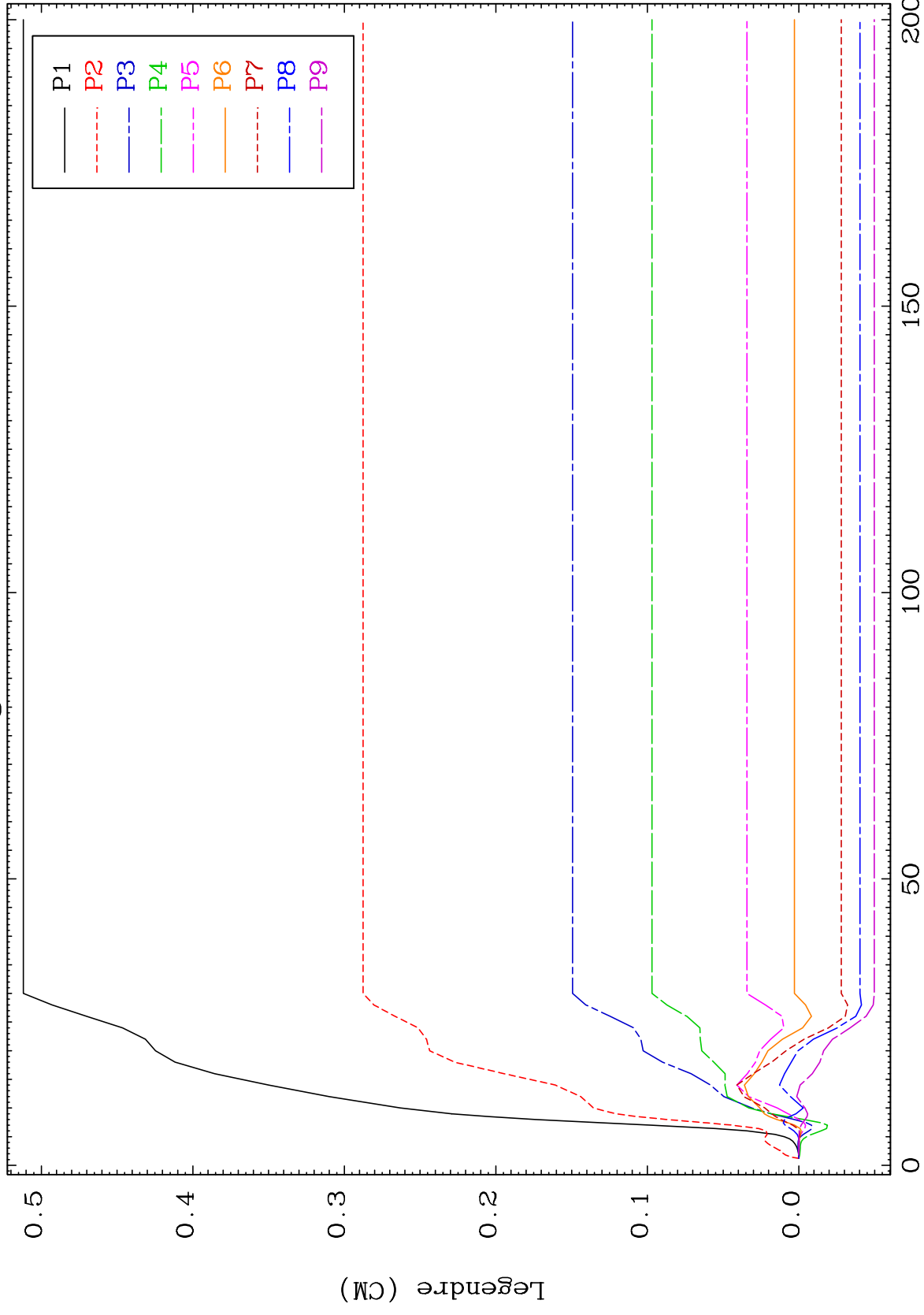
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



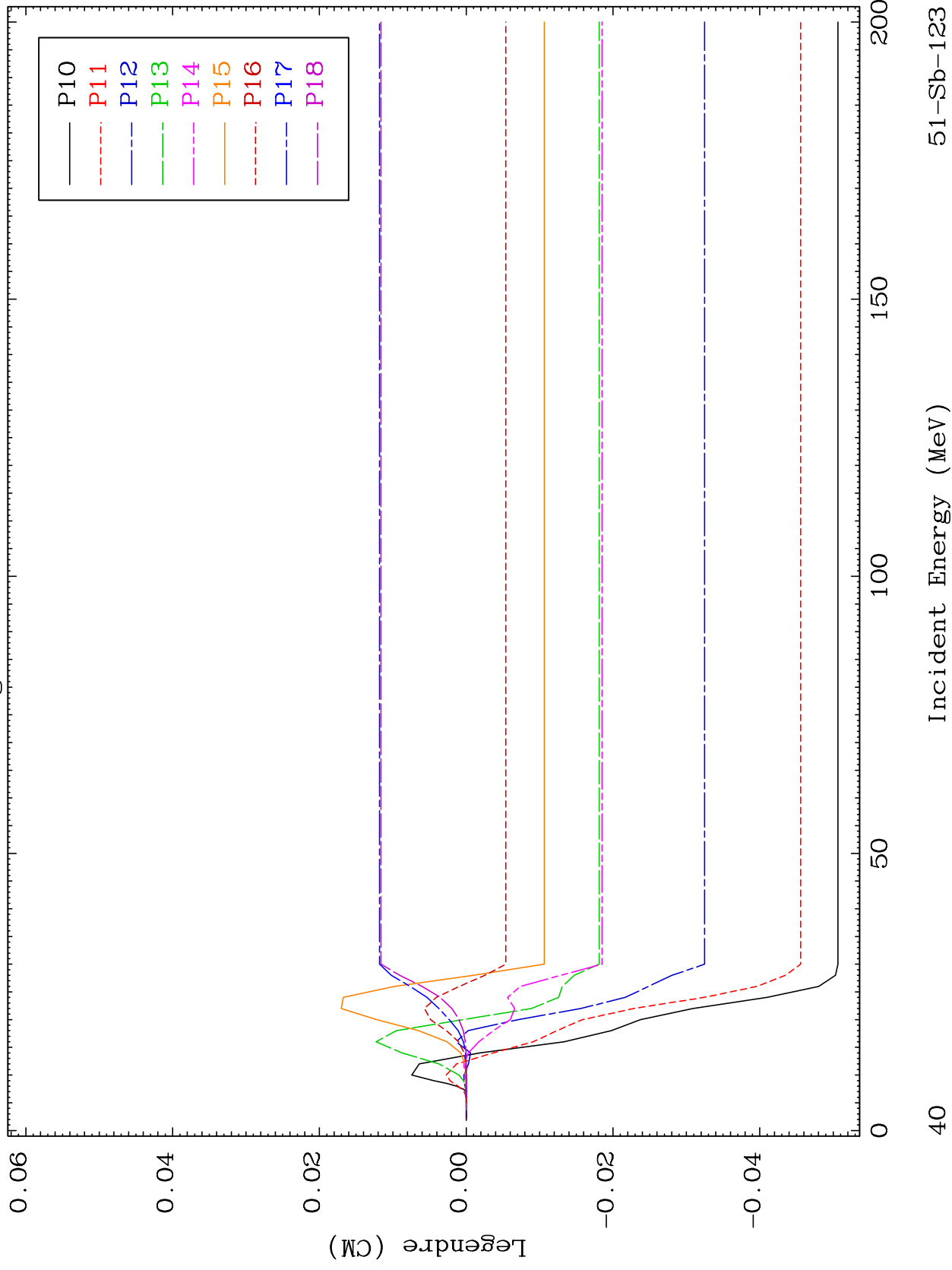
39

51-Sb-123

MAT 5131

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

51-Sb-123



51-Sb-123

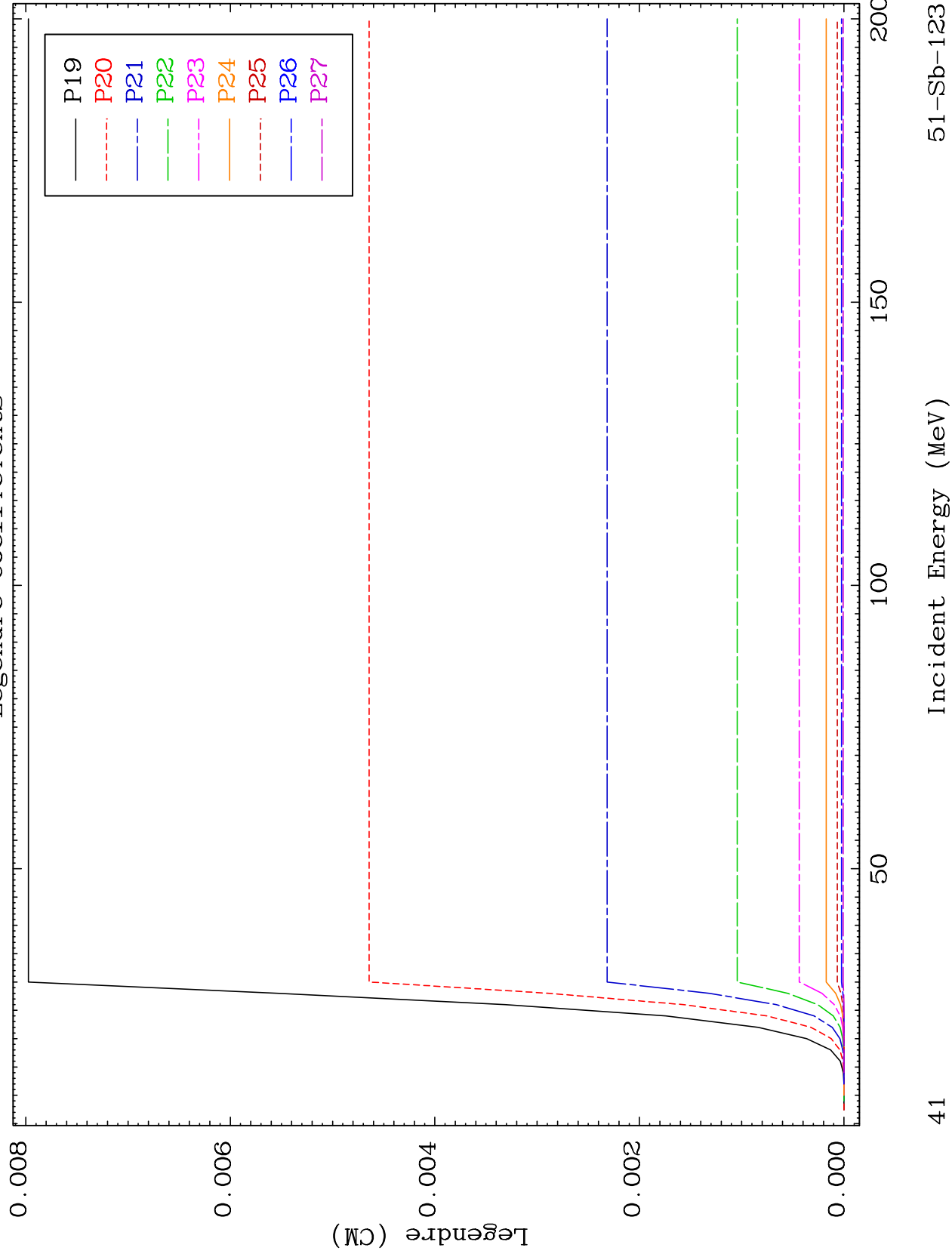
Incident Energy (MeV)

40

MAT 5131

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

51-Sb-123



41

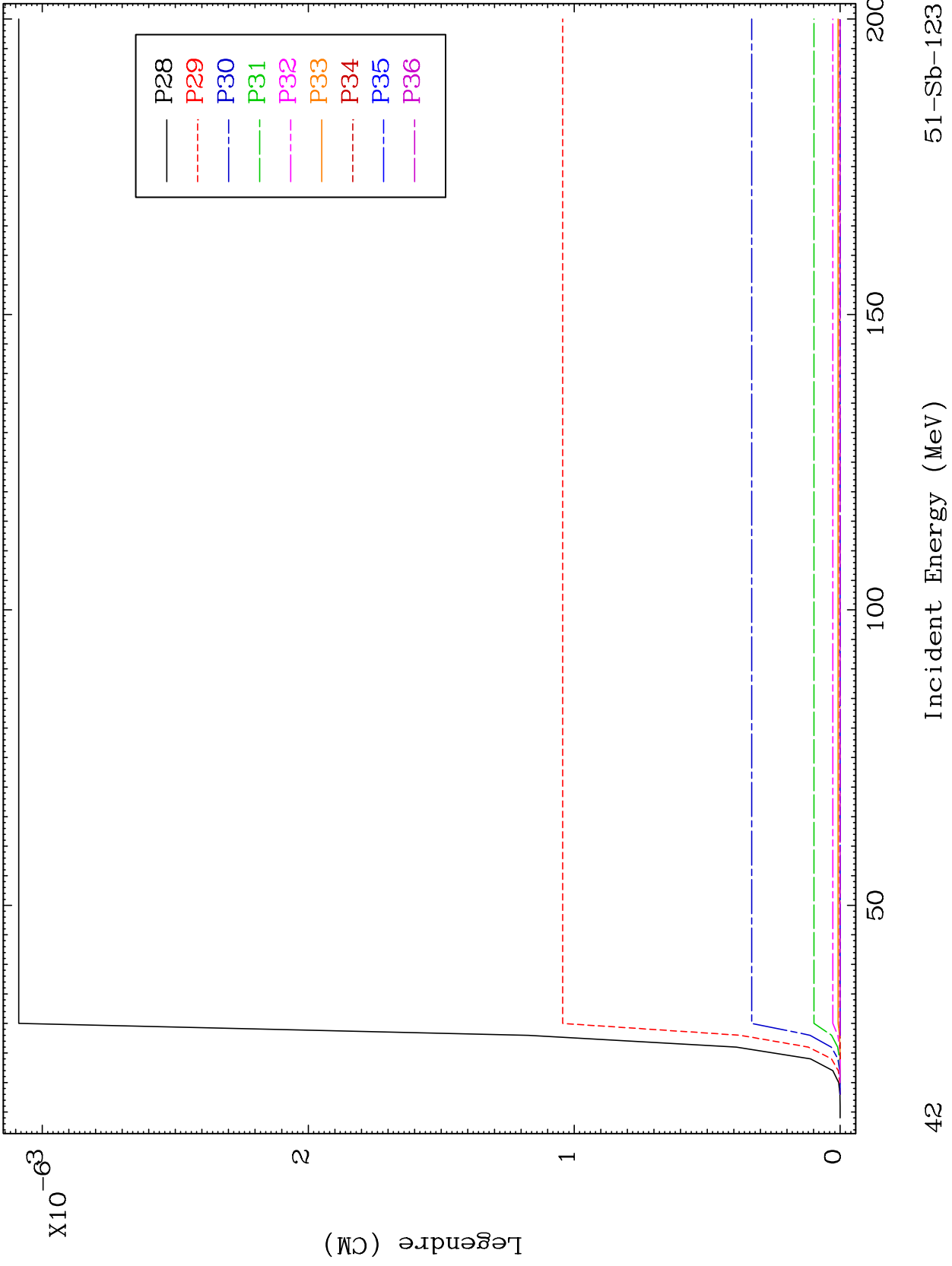
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

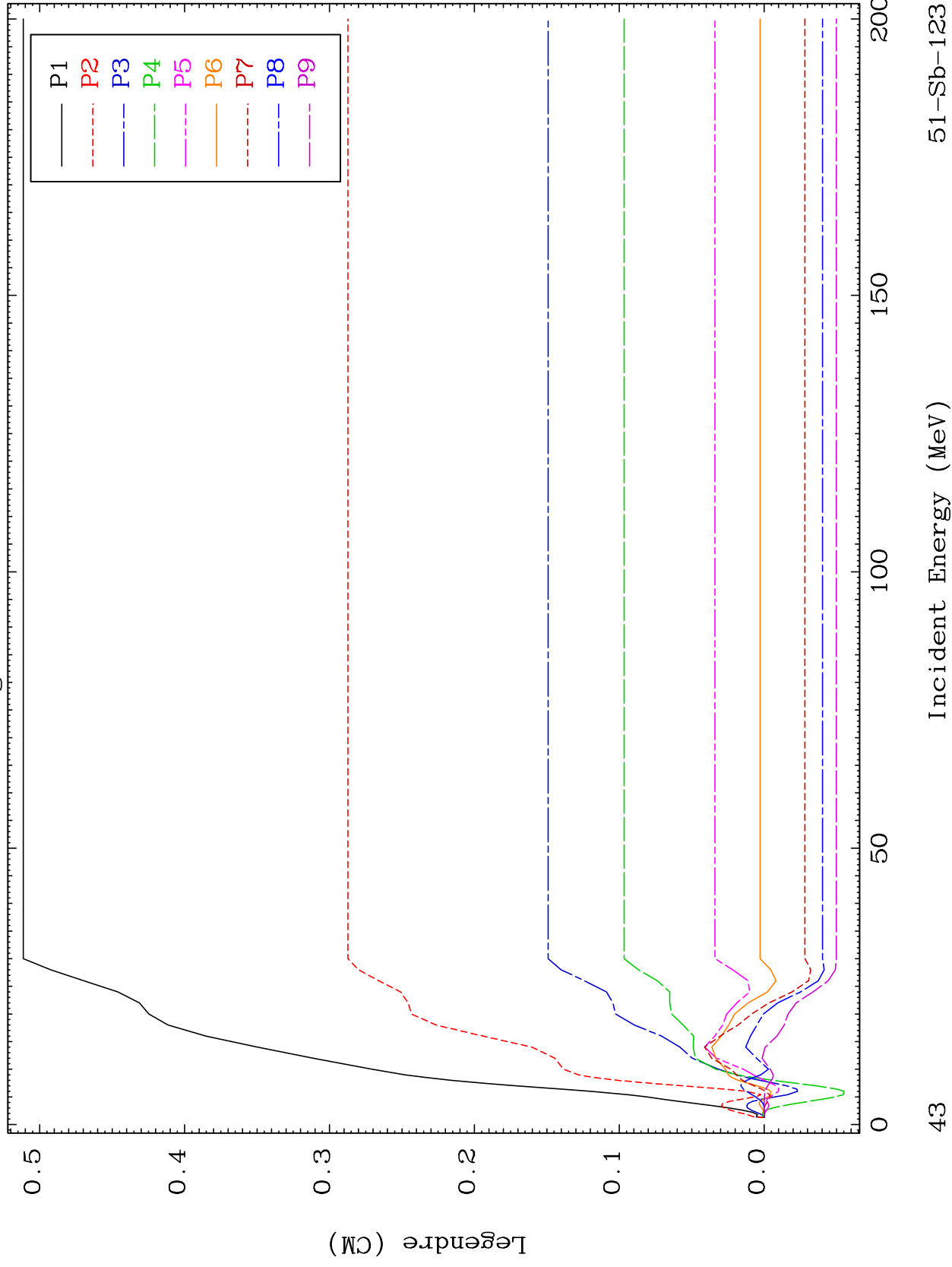
51-Sb-123



MAT 5131

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

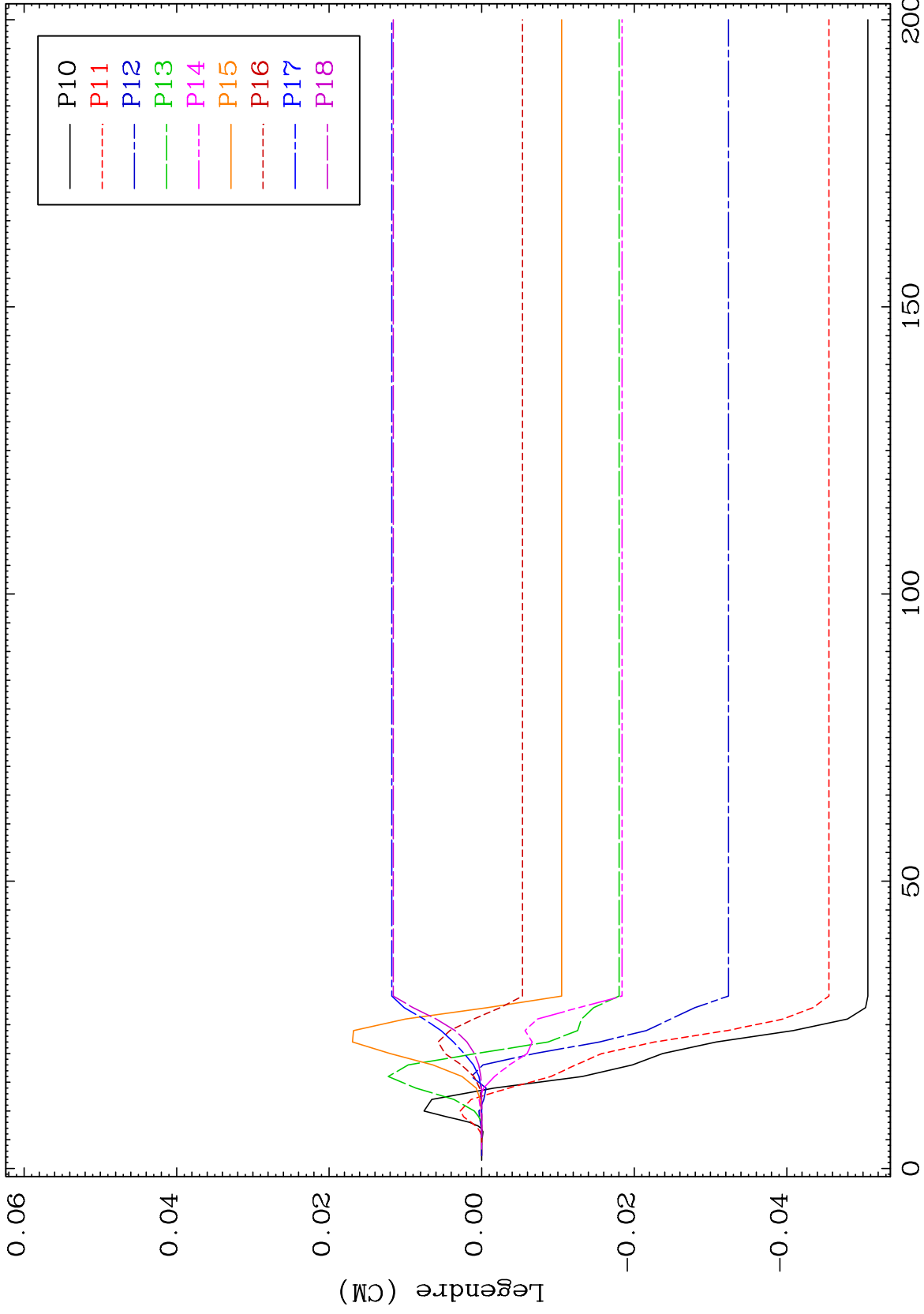
51-Sb-123



MAT 5131

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

51-Sb-123



44

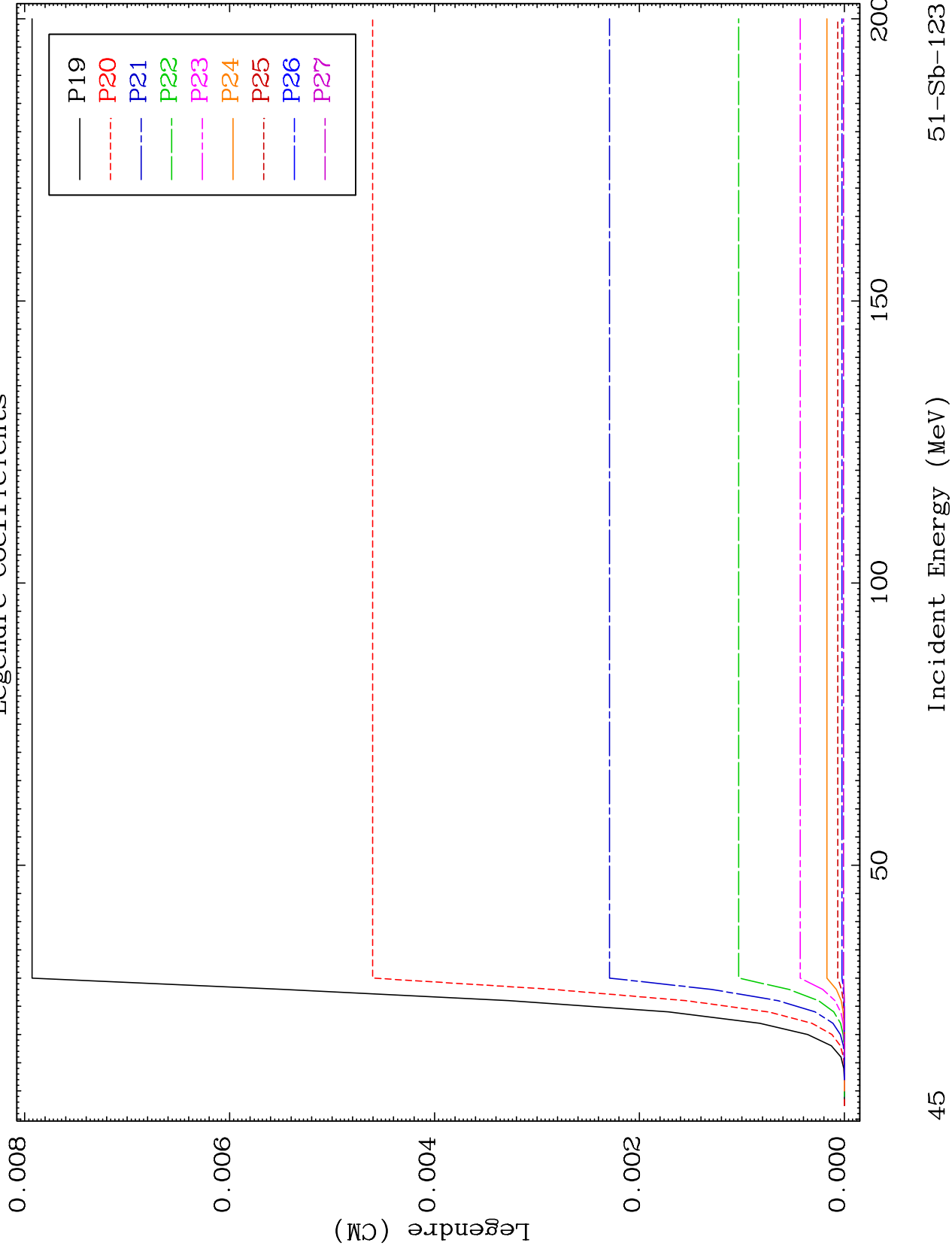
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



51-Sb-123

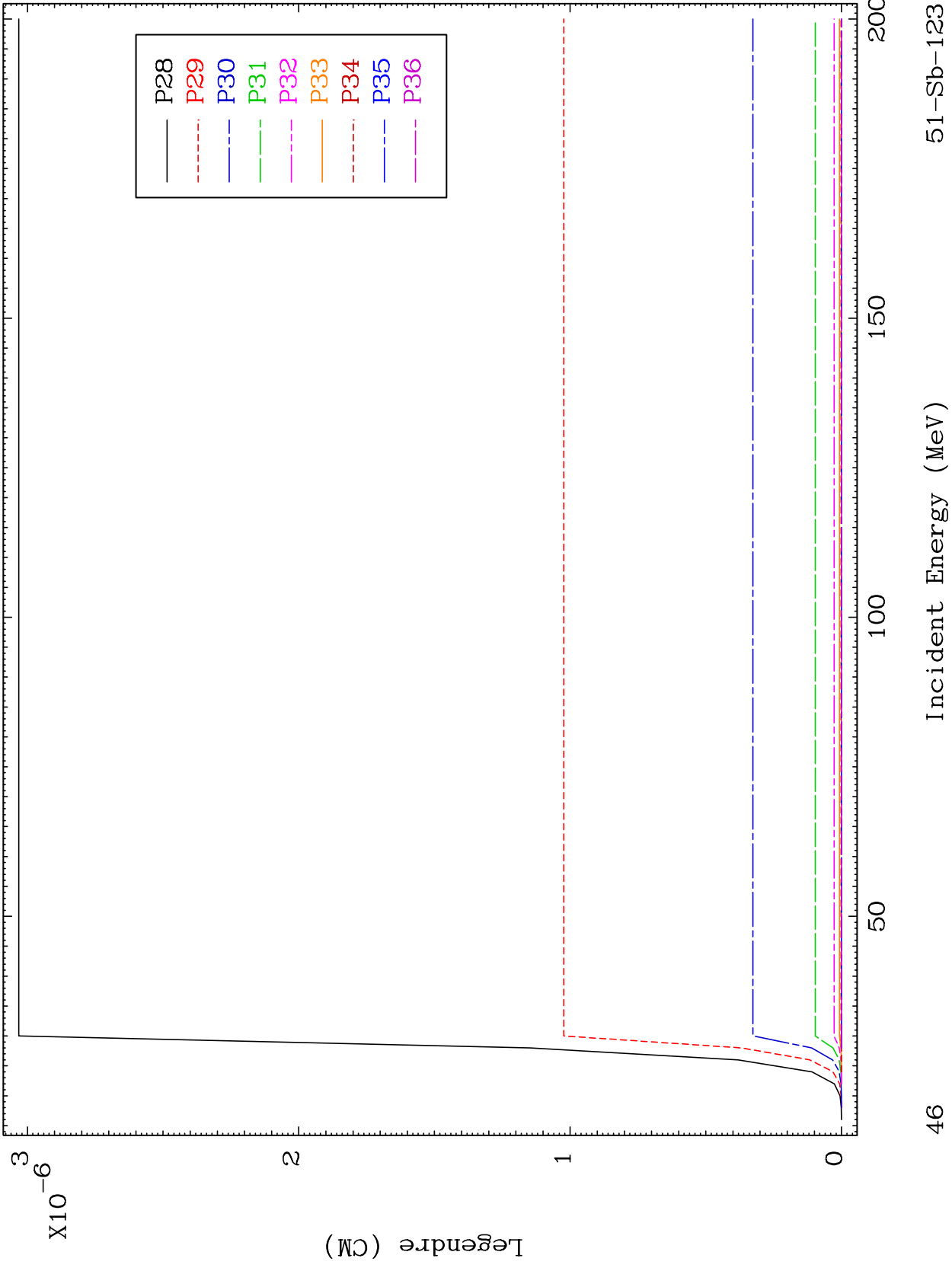
Incident Energy (MeV)

45

MAT 5131

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

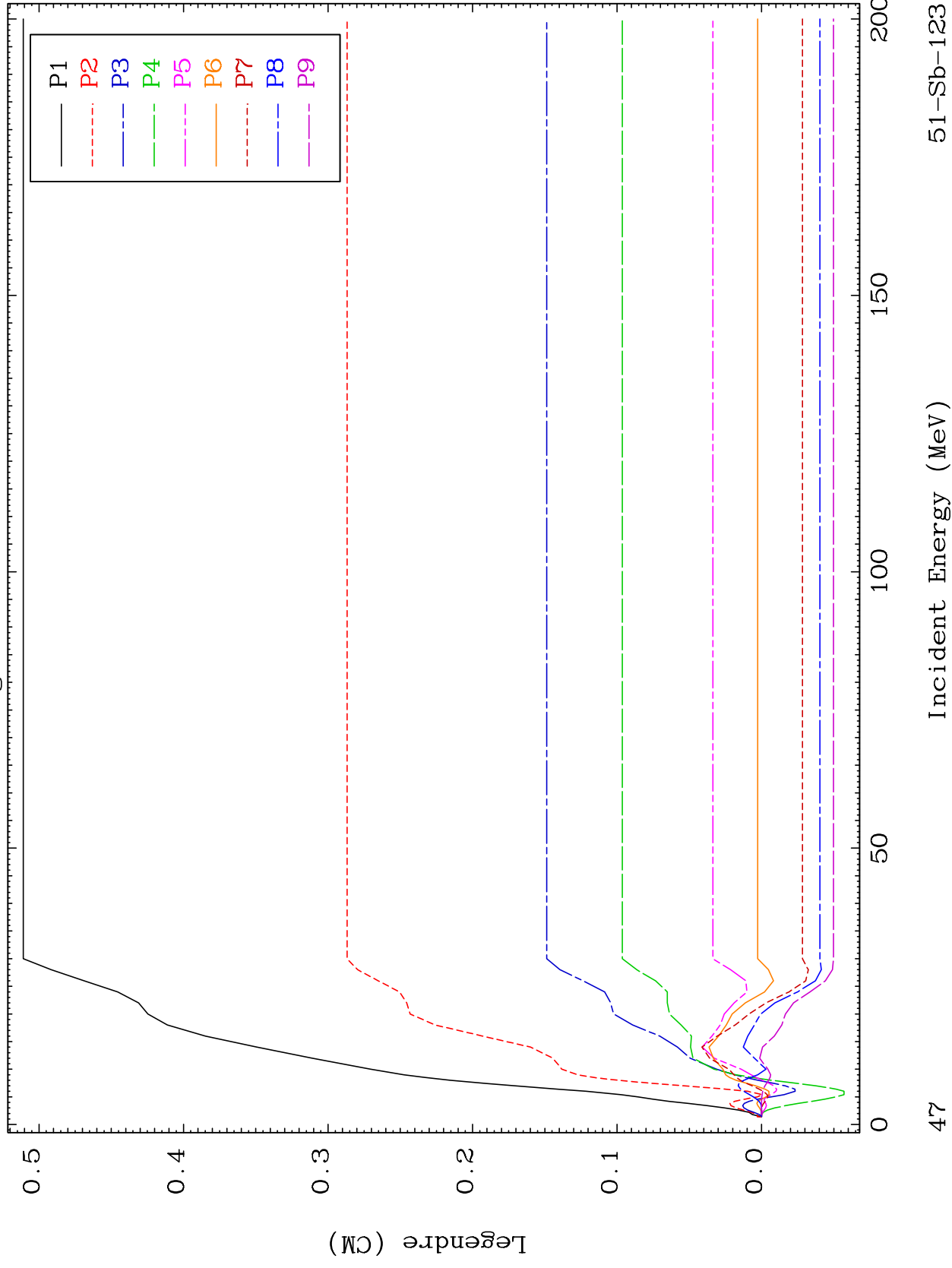
51-Sb-123



MAT 5131

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

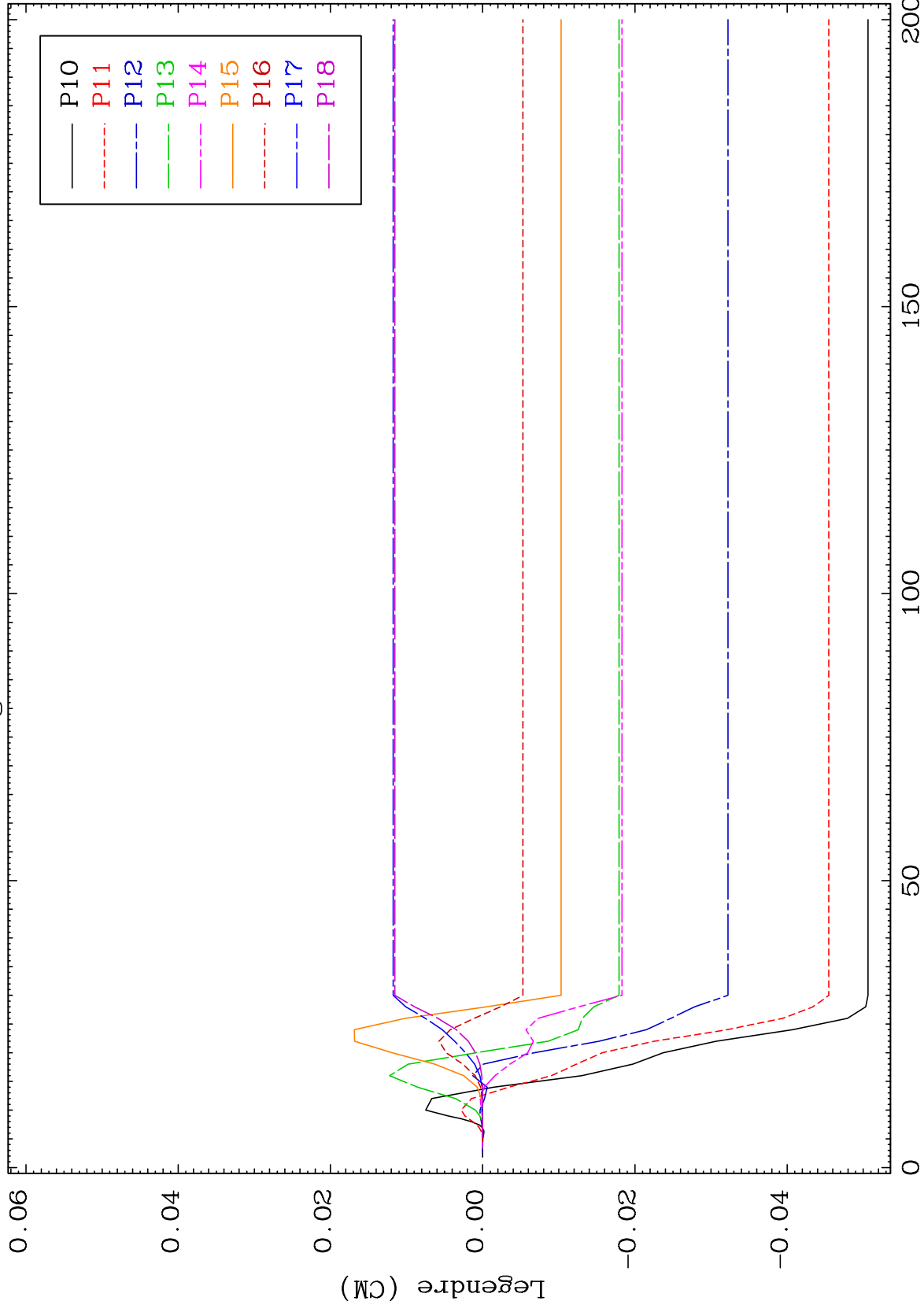
51-Sb-123



MAT 5131

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

51-Sb-123



48

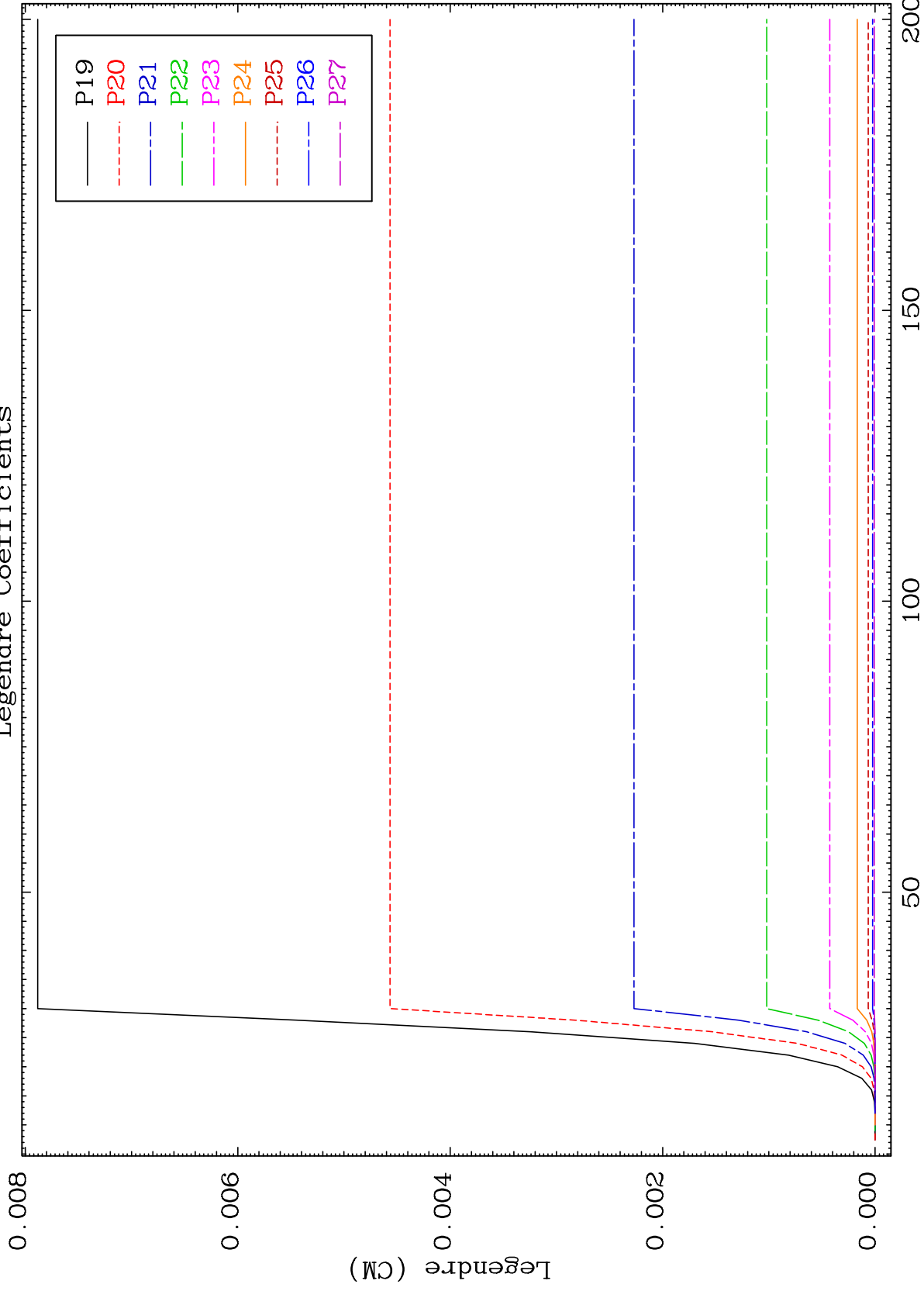
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



49

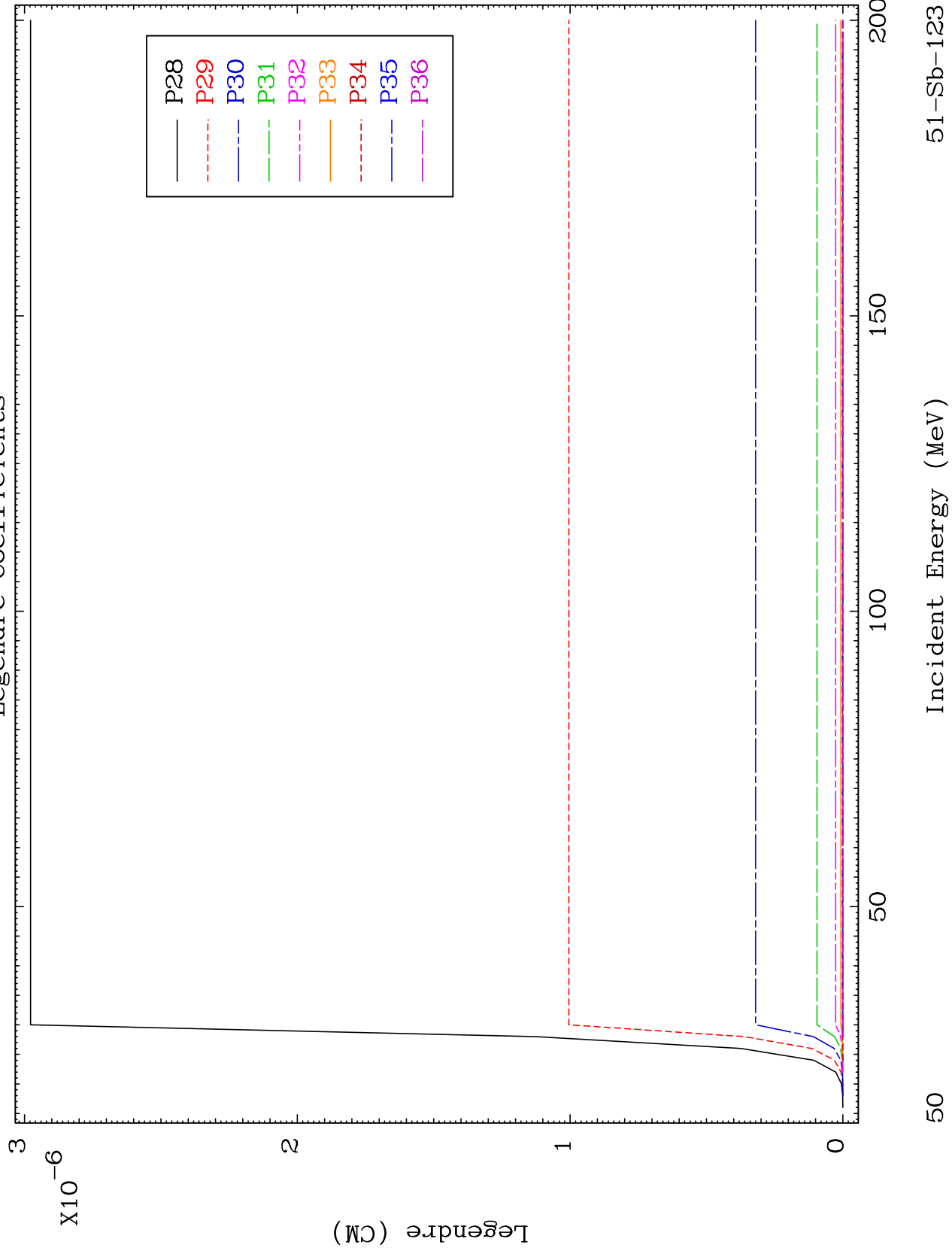
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

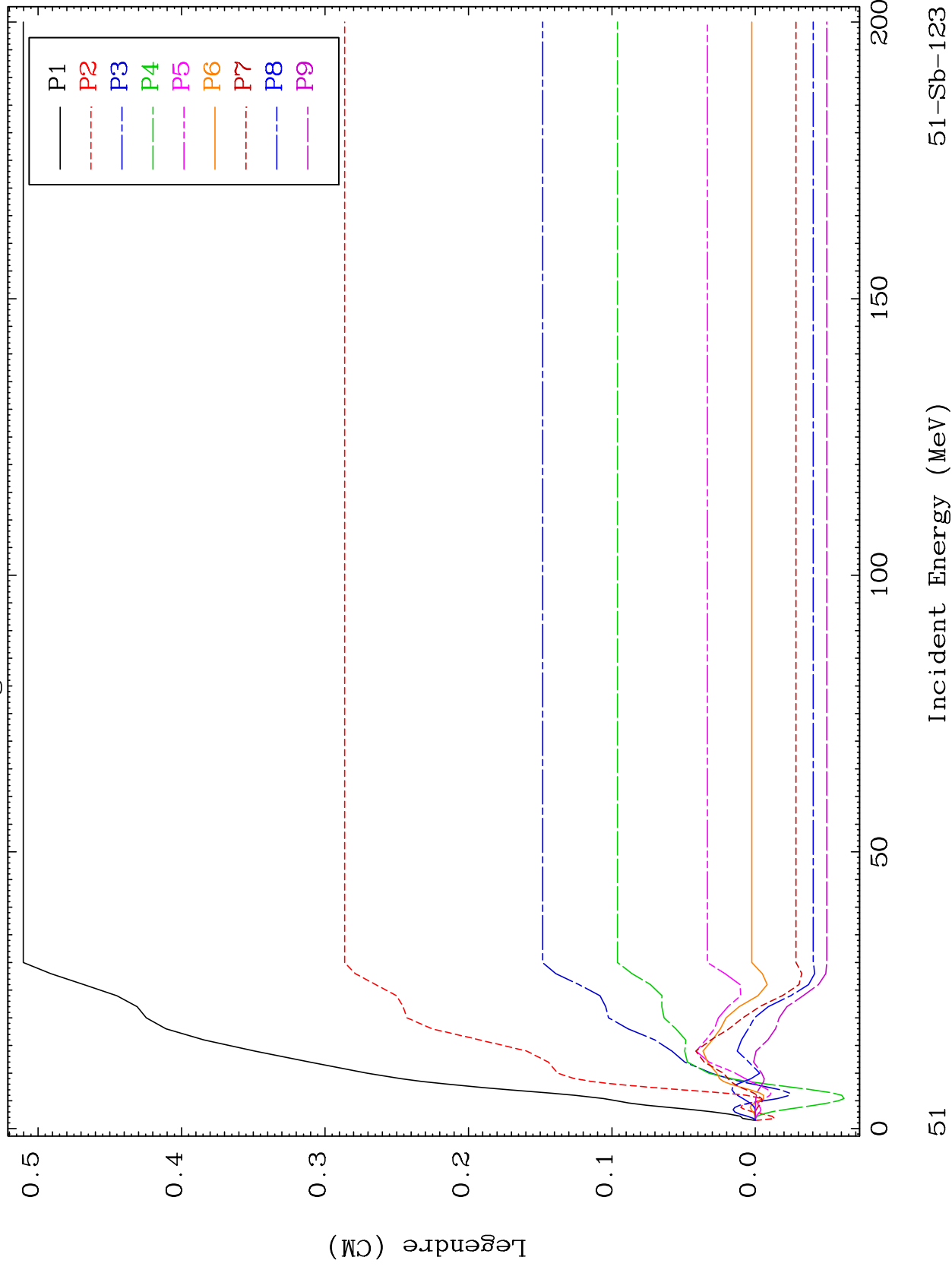
51-Sb-123



MAT 5131

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

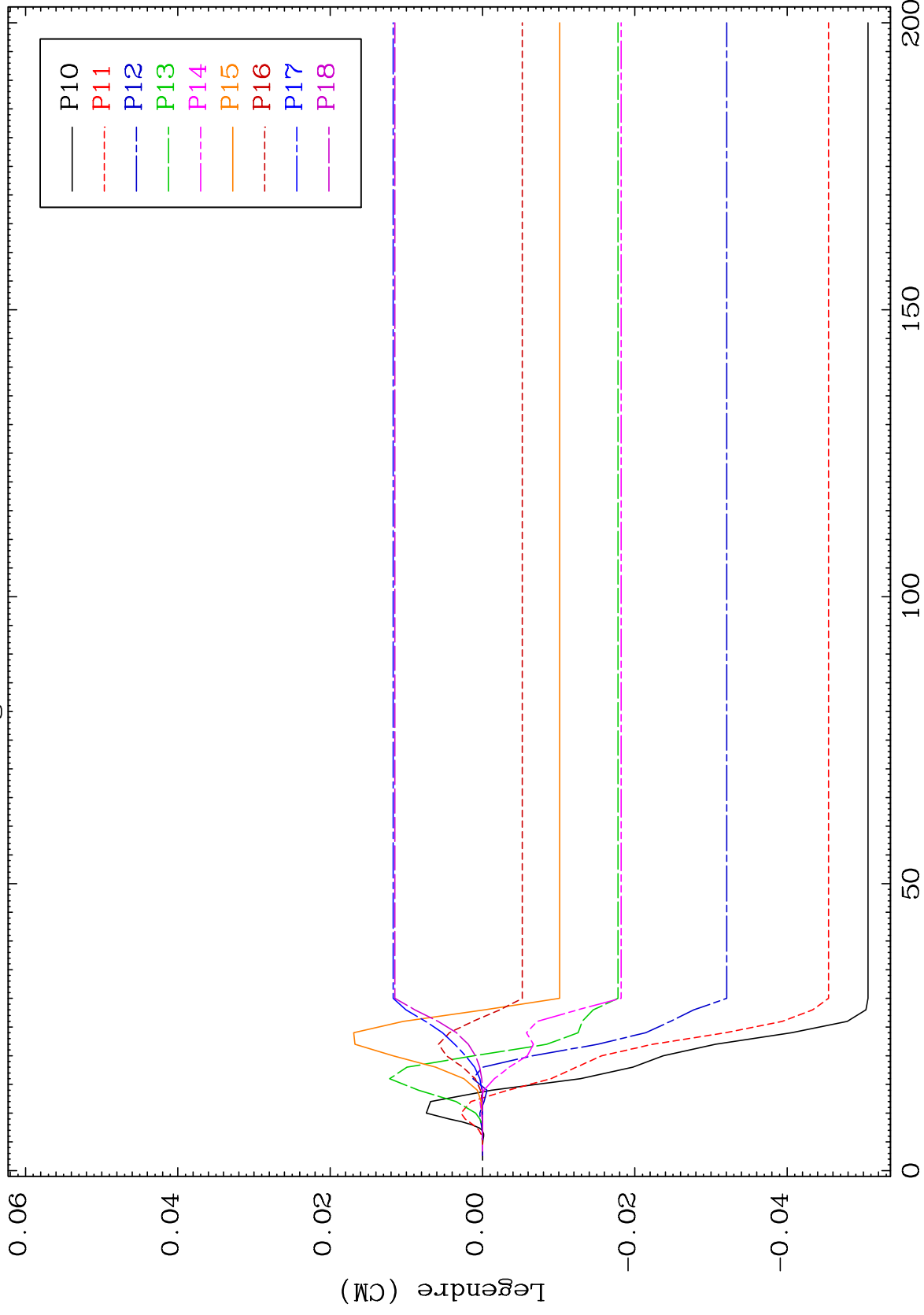
51-Sb-123



MAT 5131

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

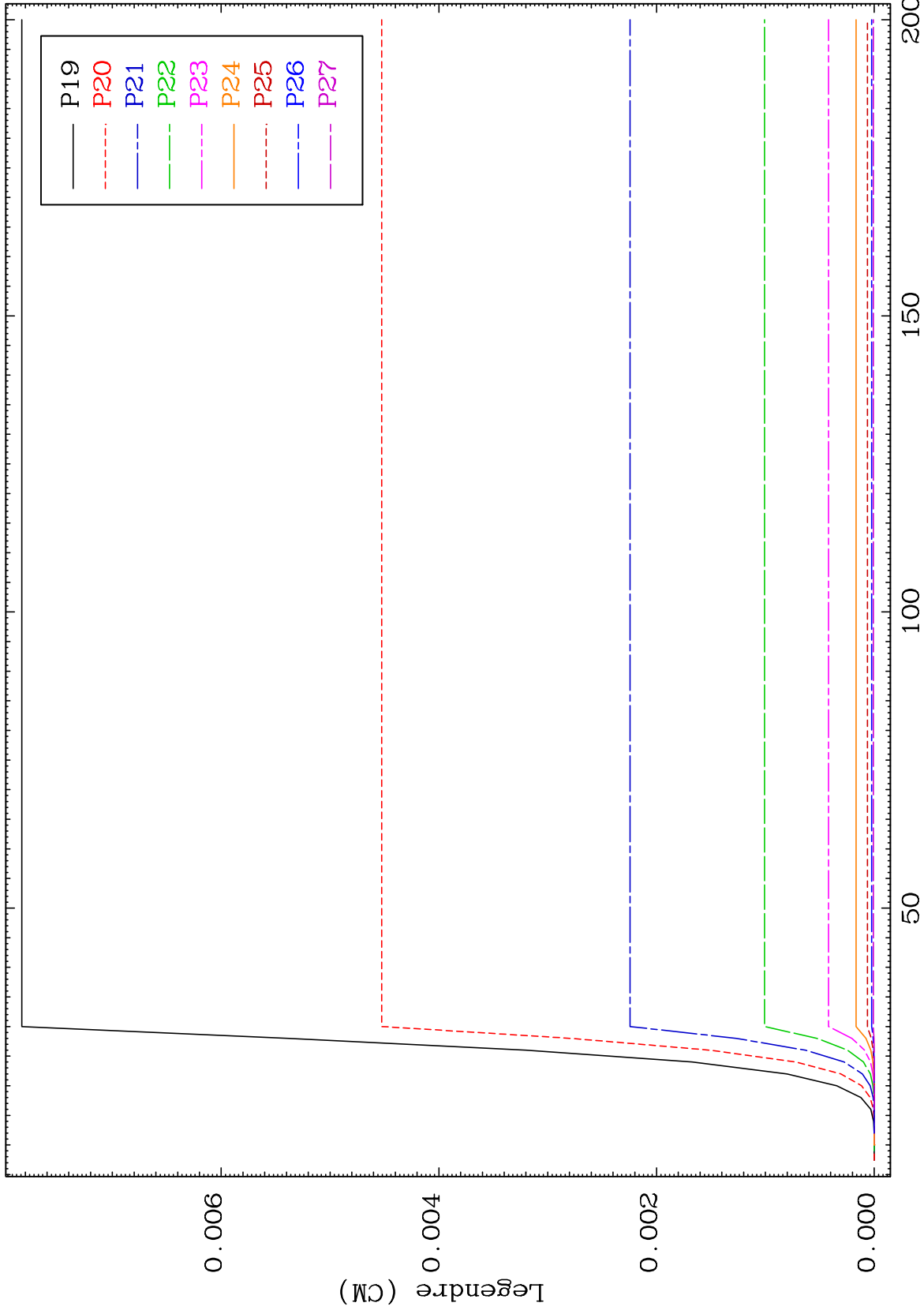
51-Sb-123



52

Incident Energy (MeV)

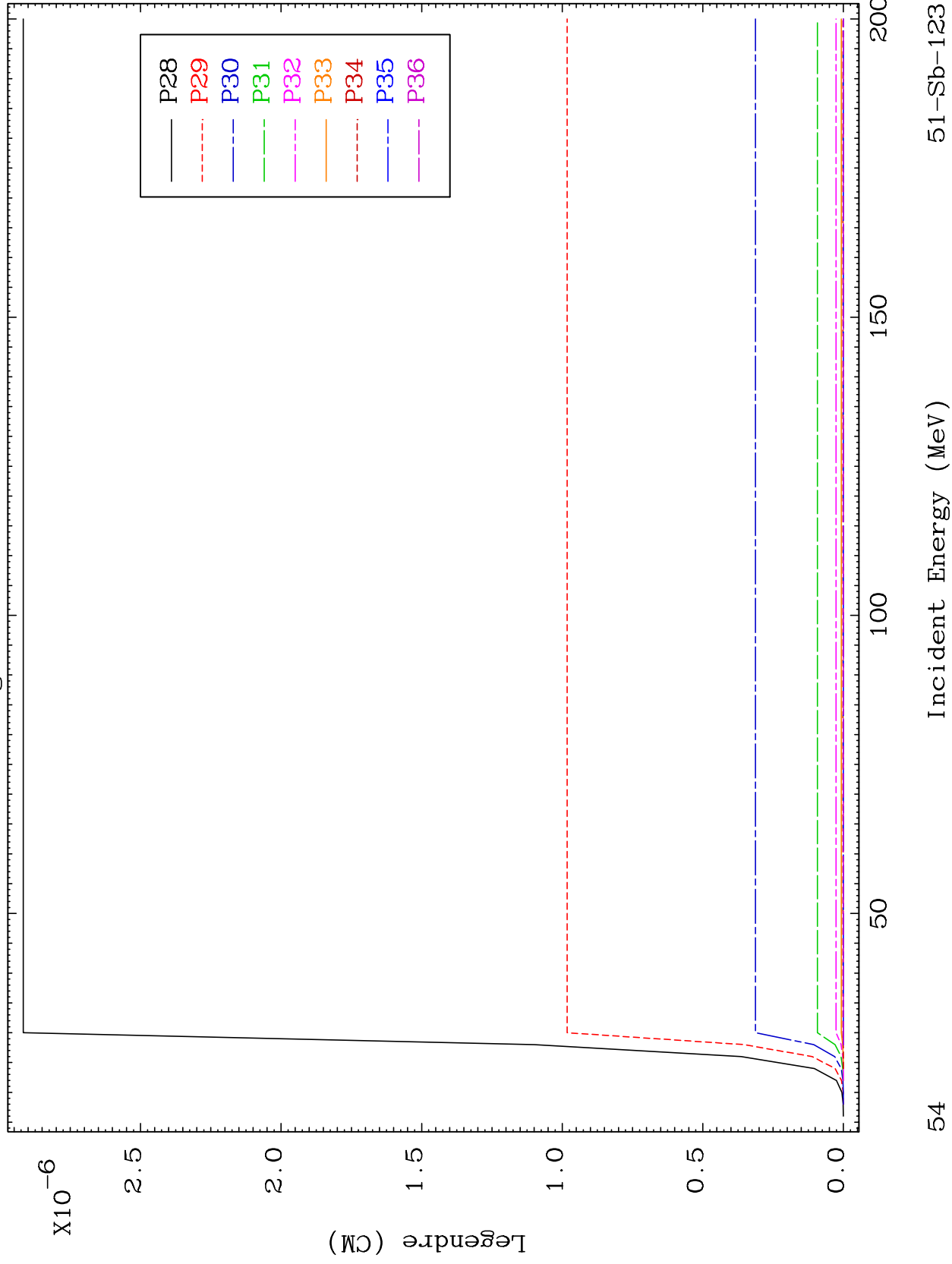
51-Sb-123



MAT 5131

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

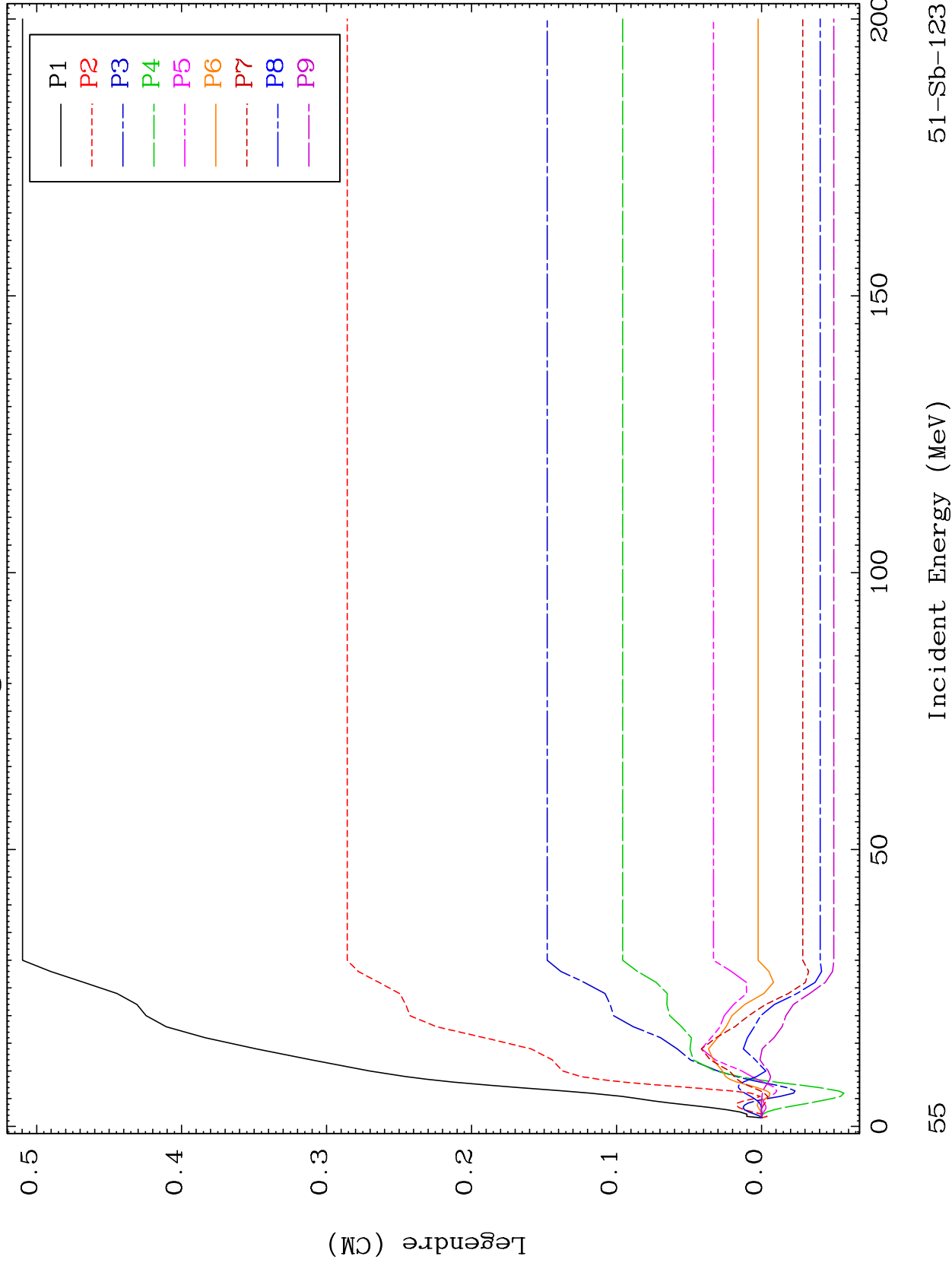
51-Sb-123



MAT 5131

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

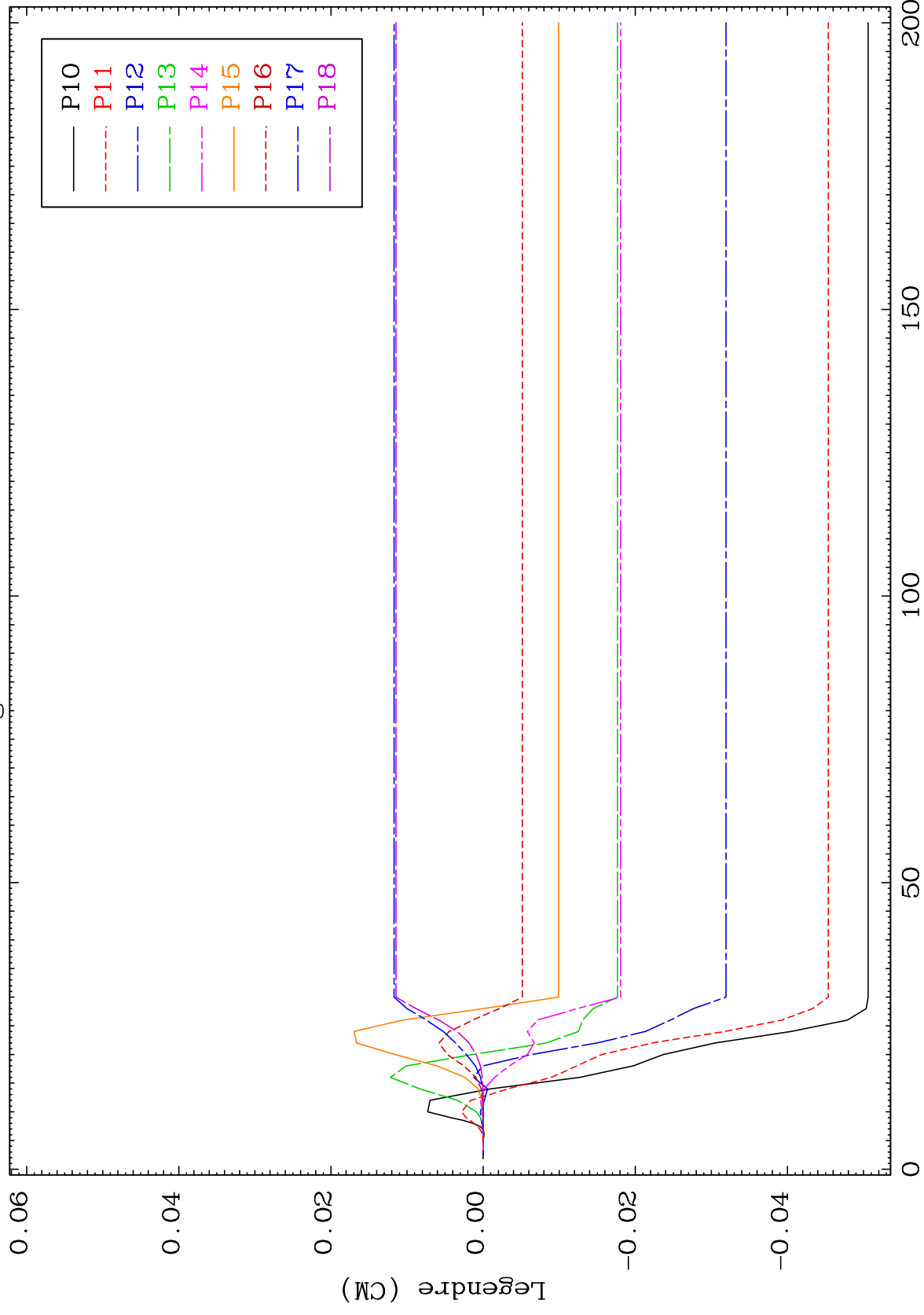
51-Sb-123



MAT 5131

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

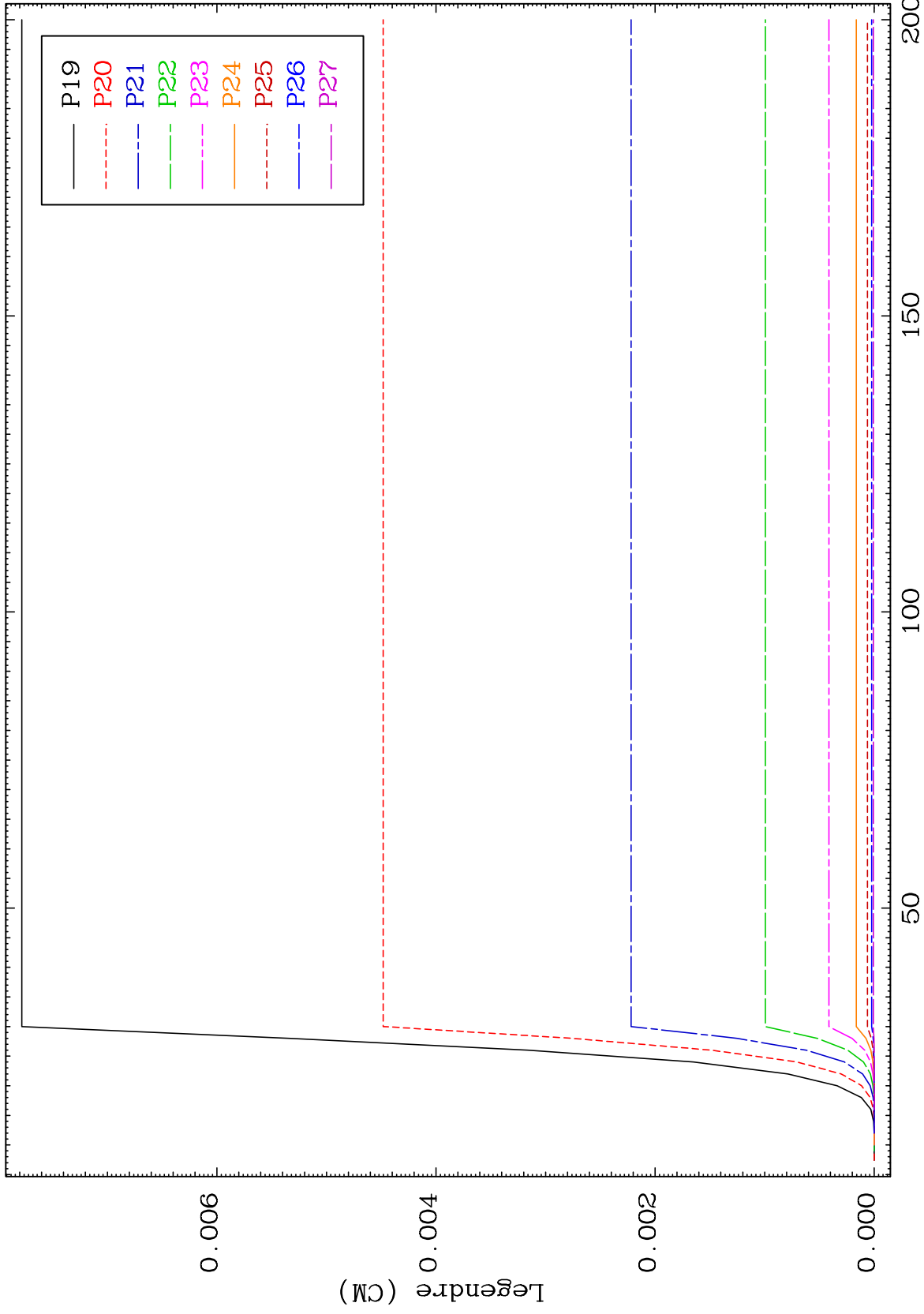
51-Sb-123



56

Incident Energy (MeV)

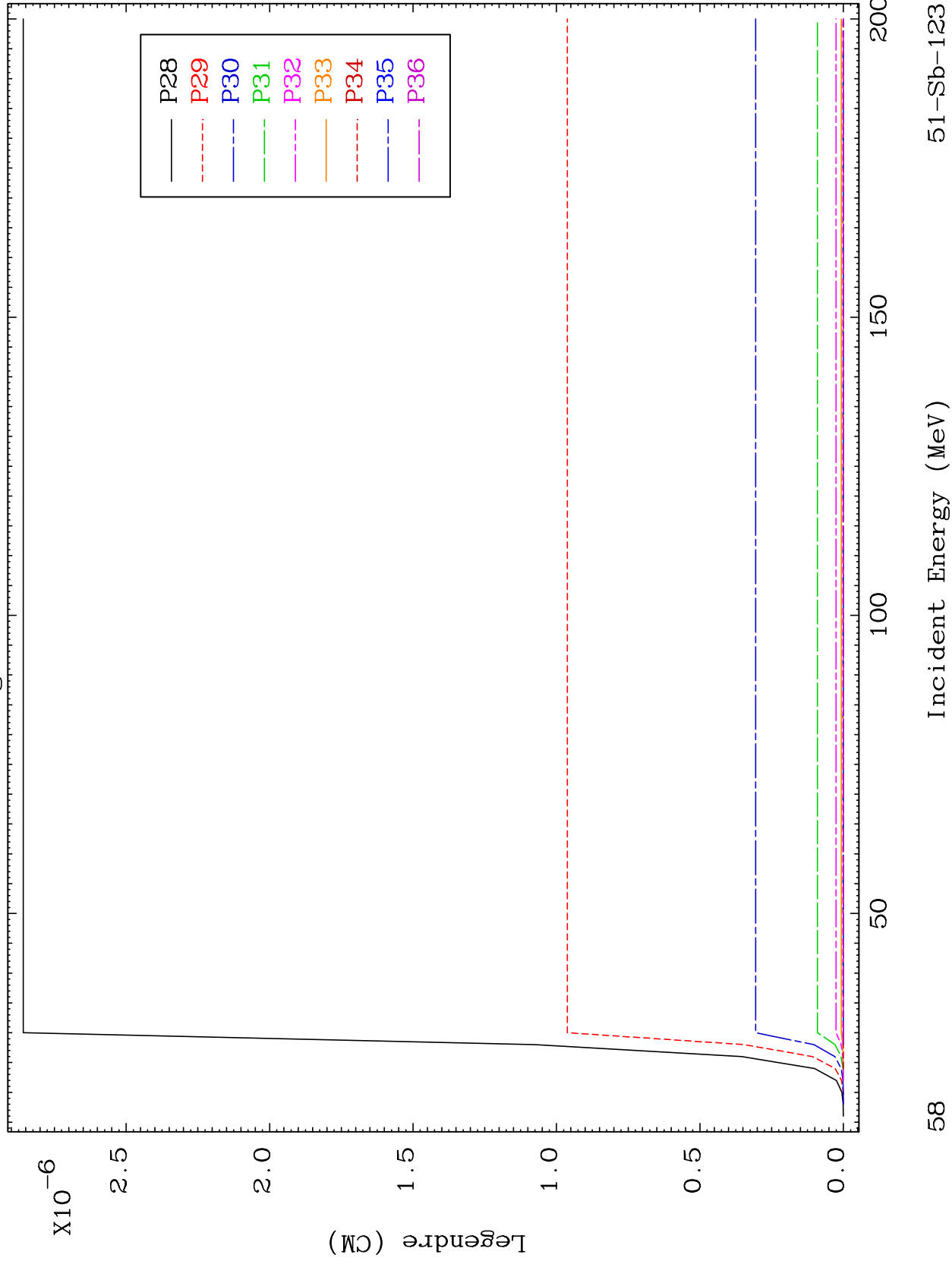
51-Sb-123



MAT 5131

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

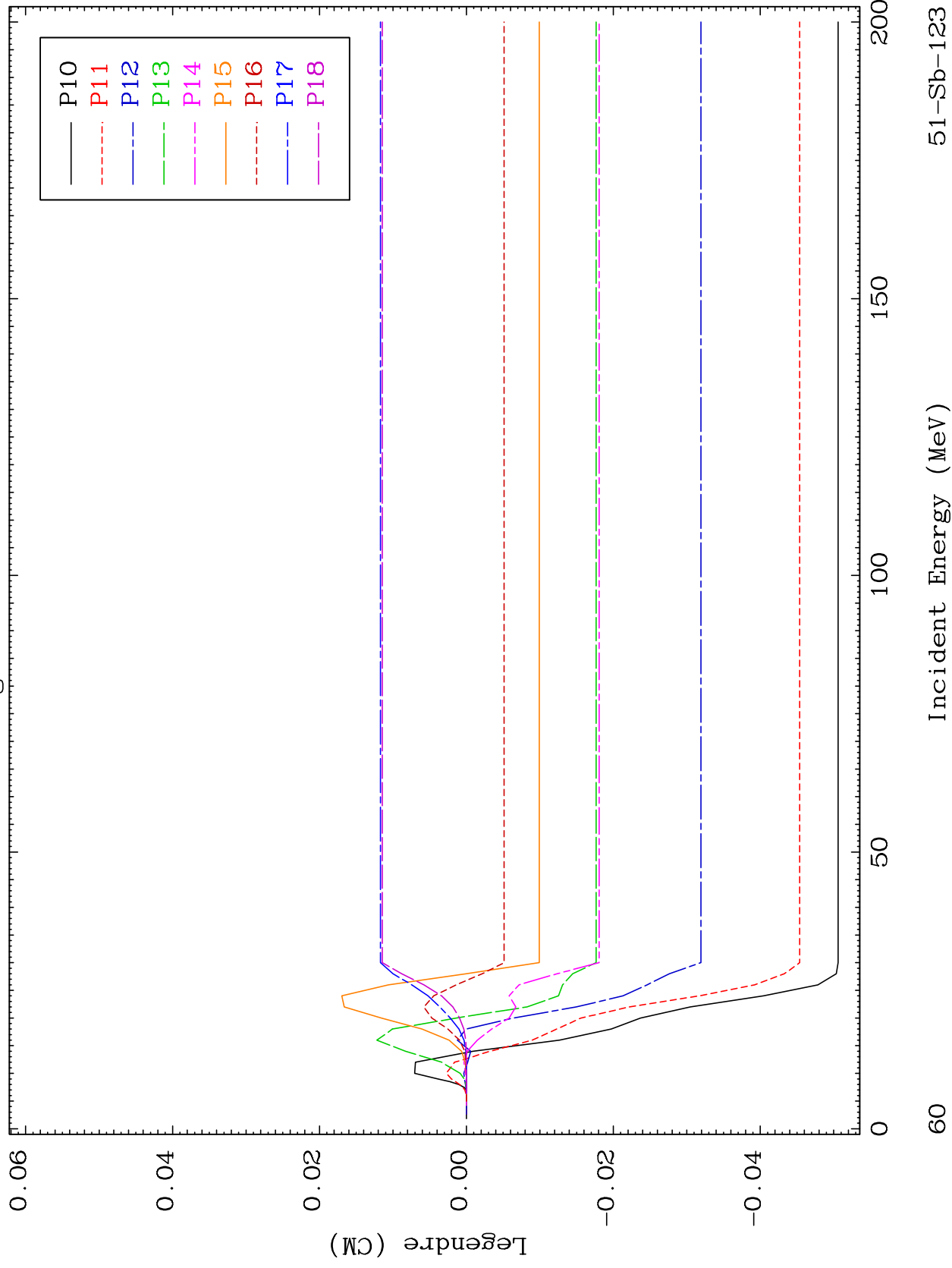
51-Sb-123



MAT 5131

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

51-Sb-123



51-Sb-123

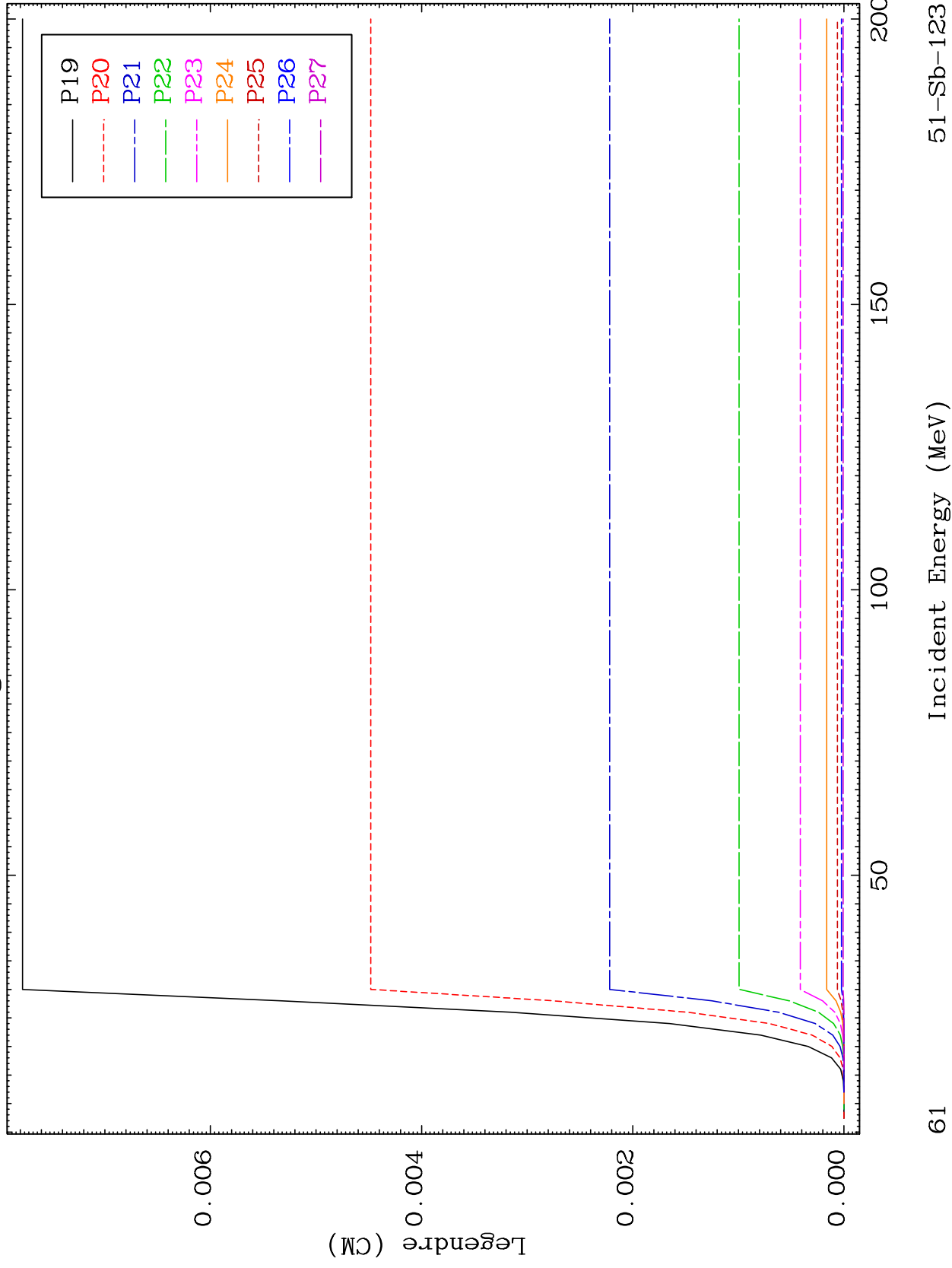
Incident Energy (MeV)

60

MAT 5131

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

51-Sb-123



61

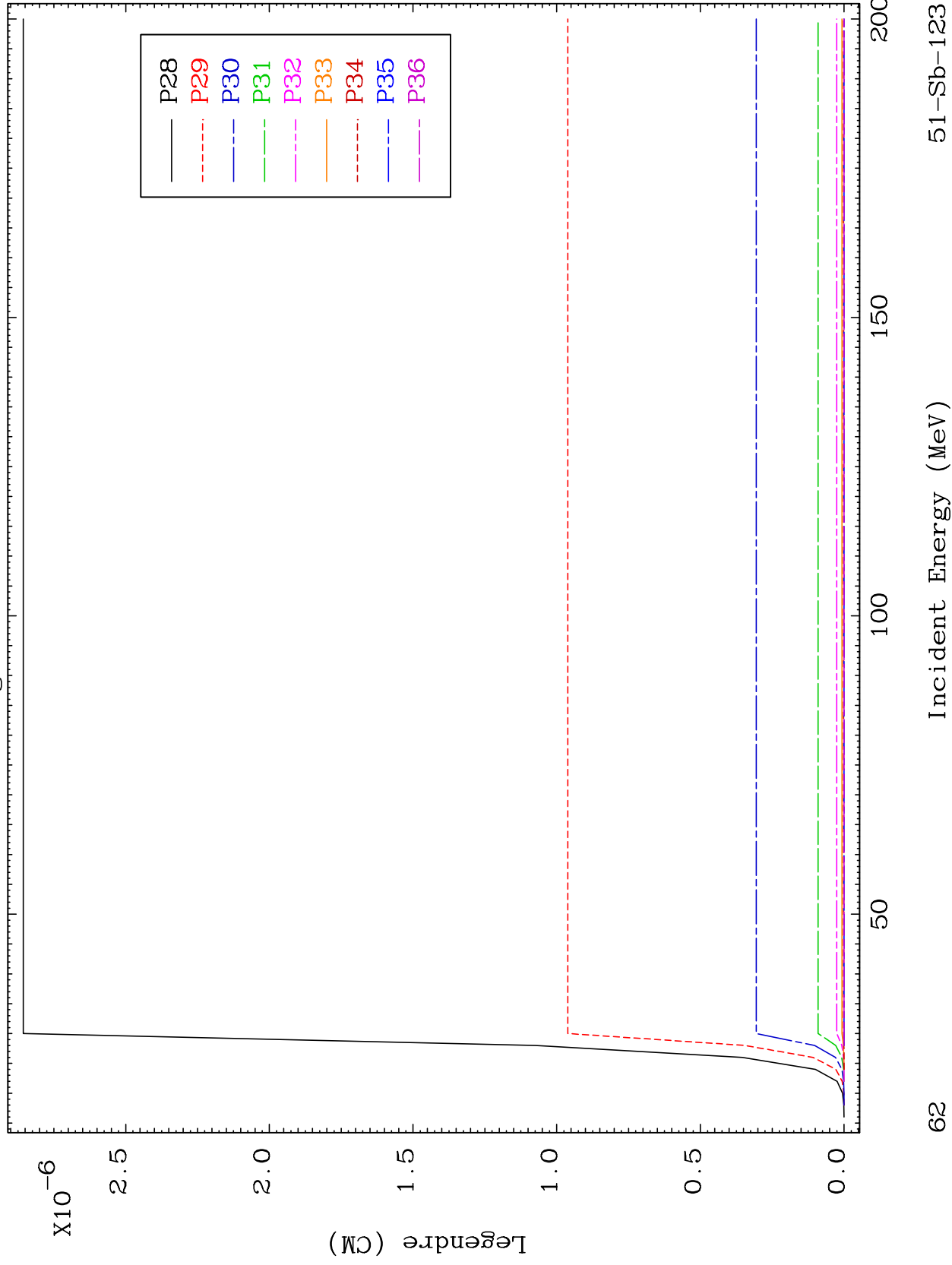
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

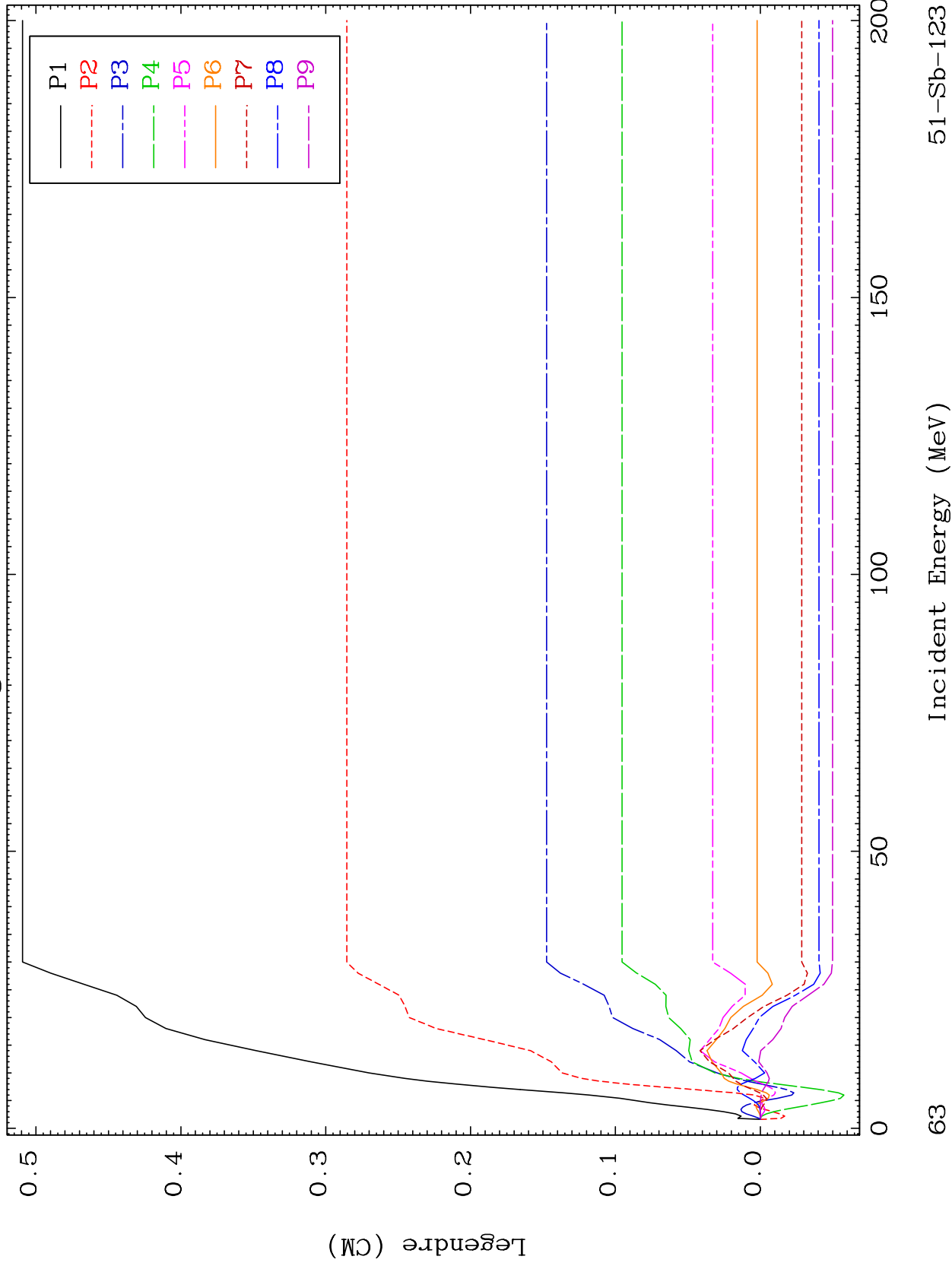
51-Sb-123



MAT 5131

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

51-Sb-123



51-Sb-123

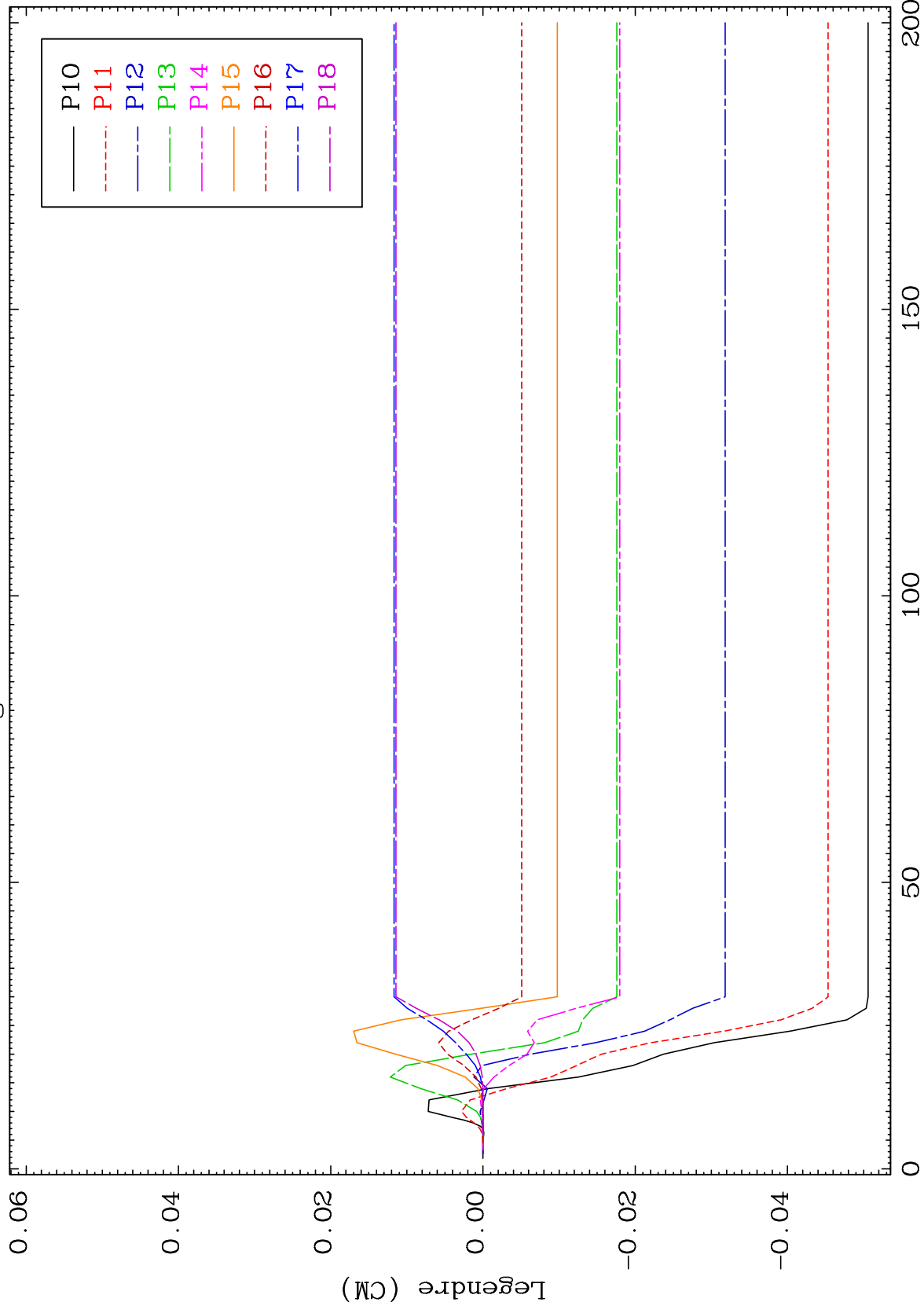
Incident Energy (MeV)

63

MAT 5131

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

51-Sb-123



64

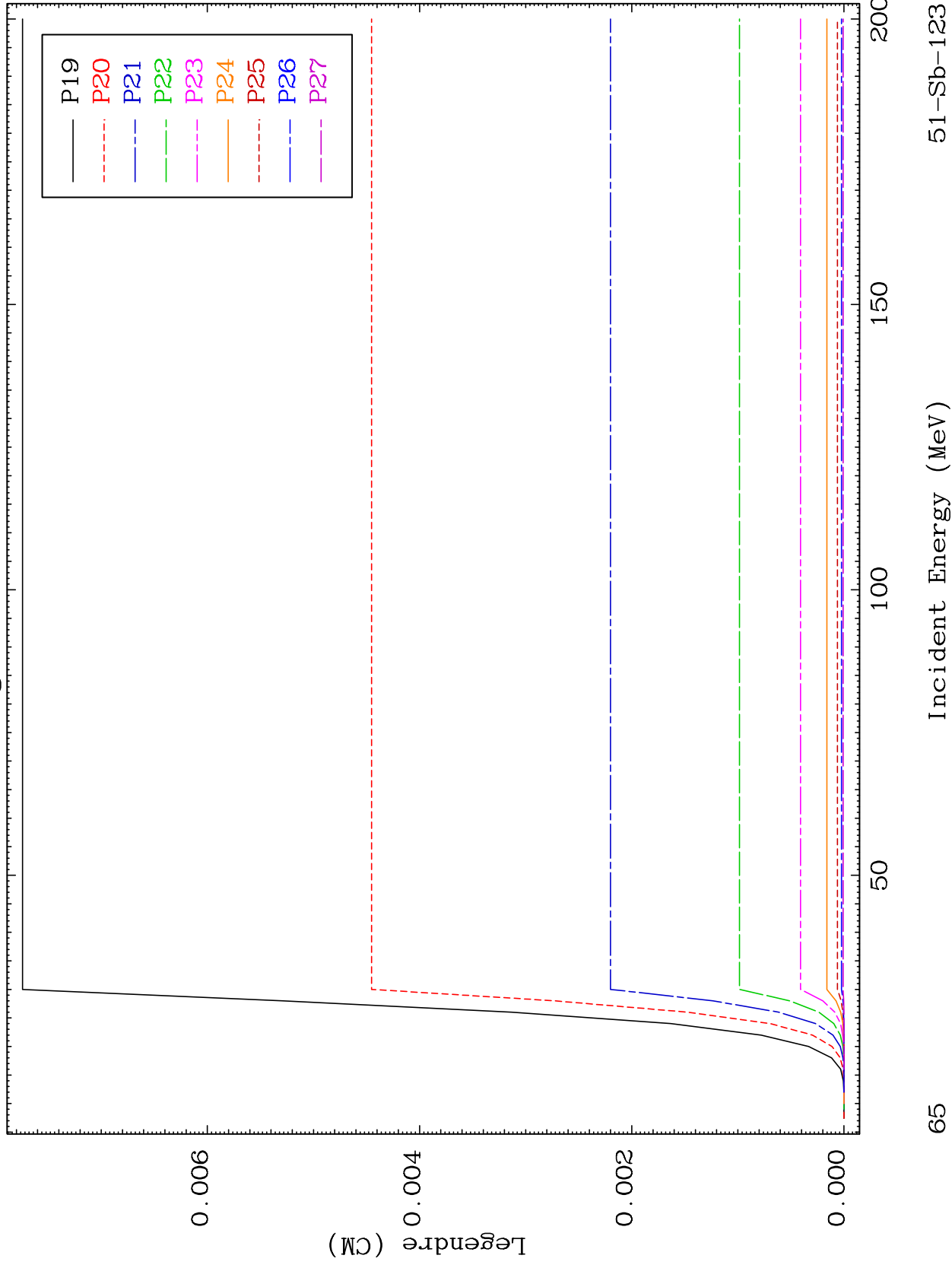
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

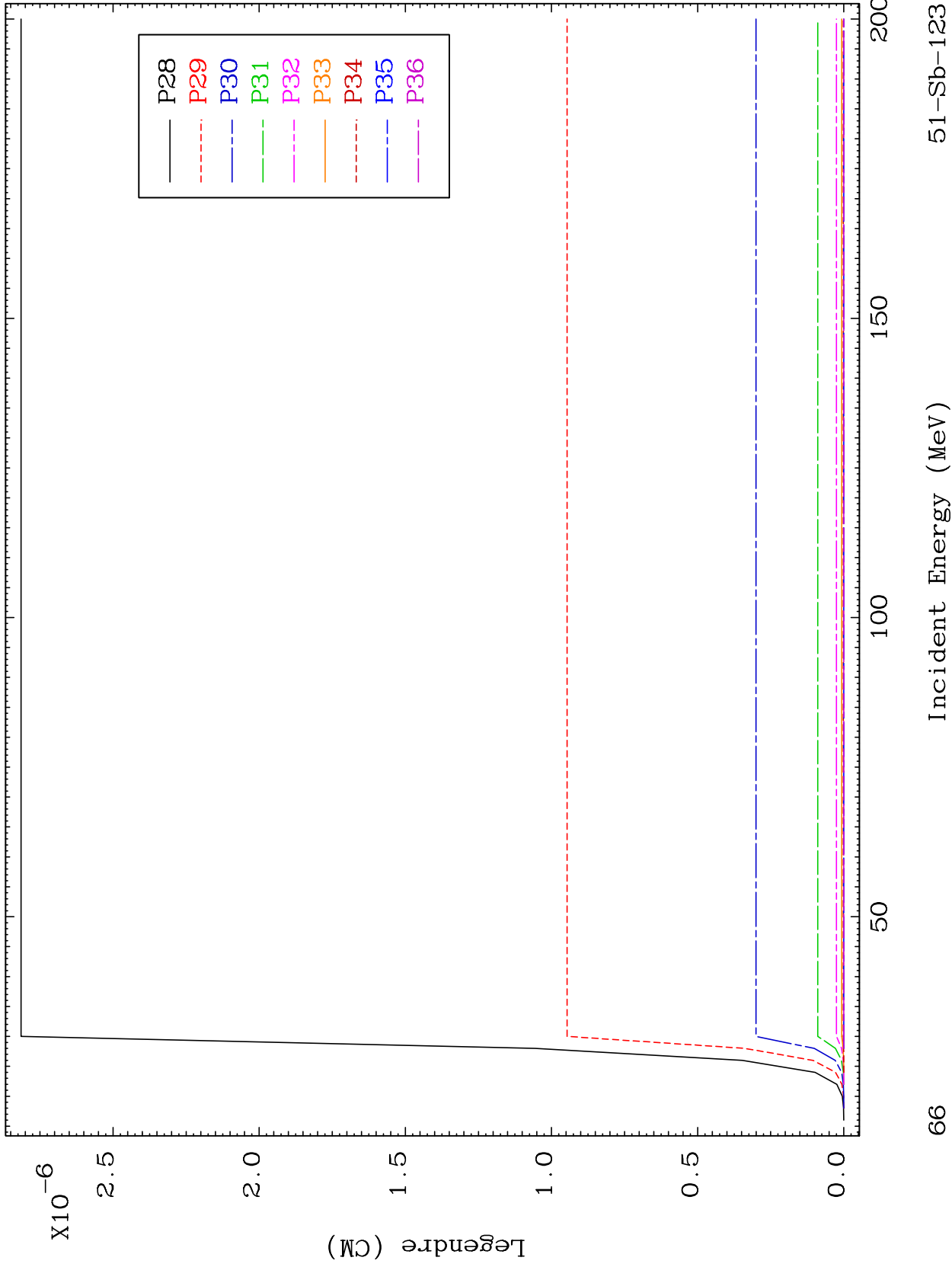
51-Sb-123



65

Incident Energy (MeV)

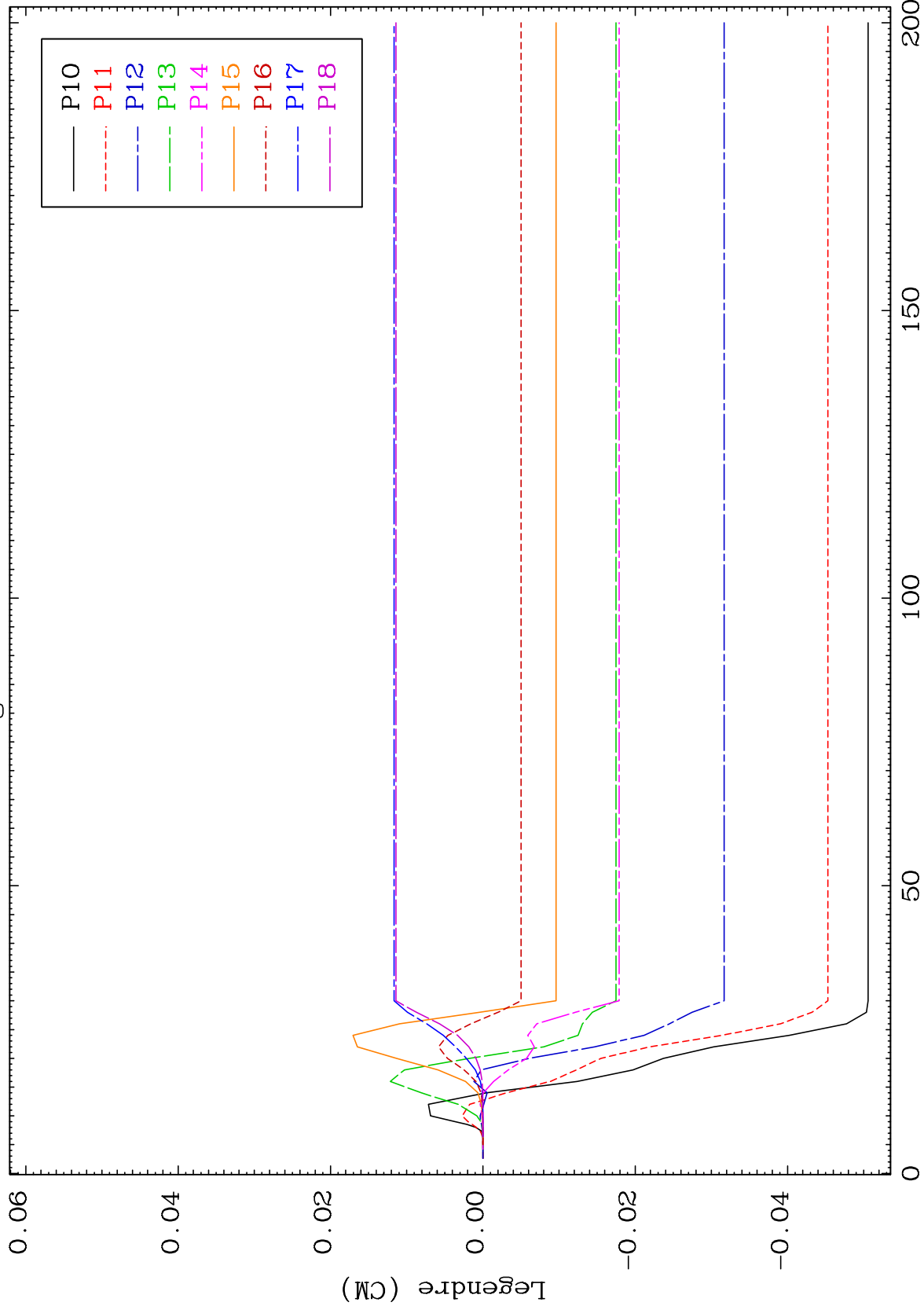
51-Sb-123



MAT 5131

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

51-Sb-123



68

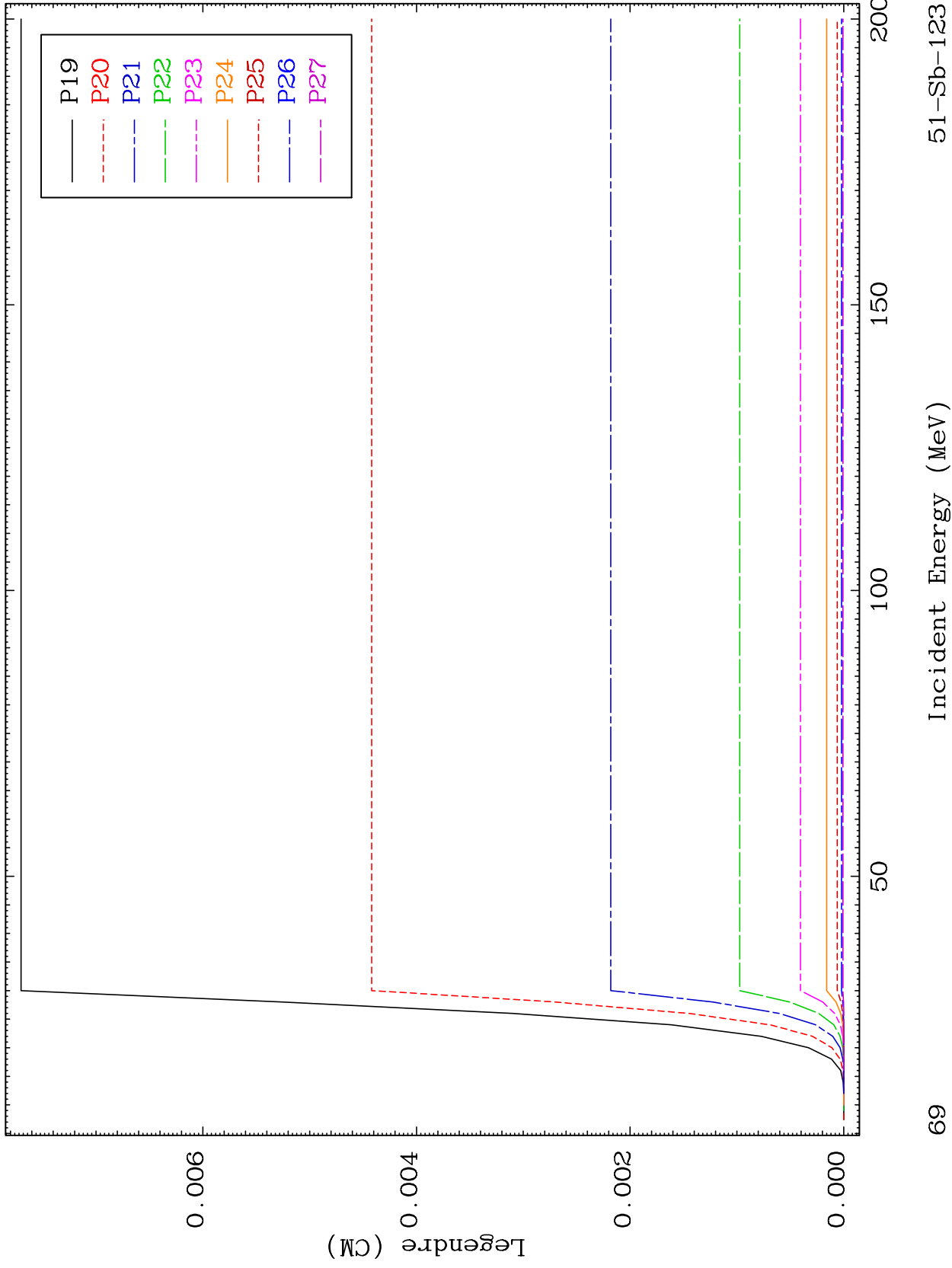
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



69

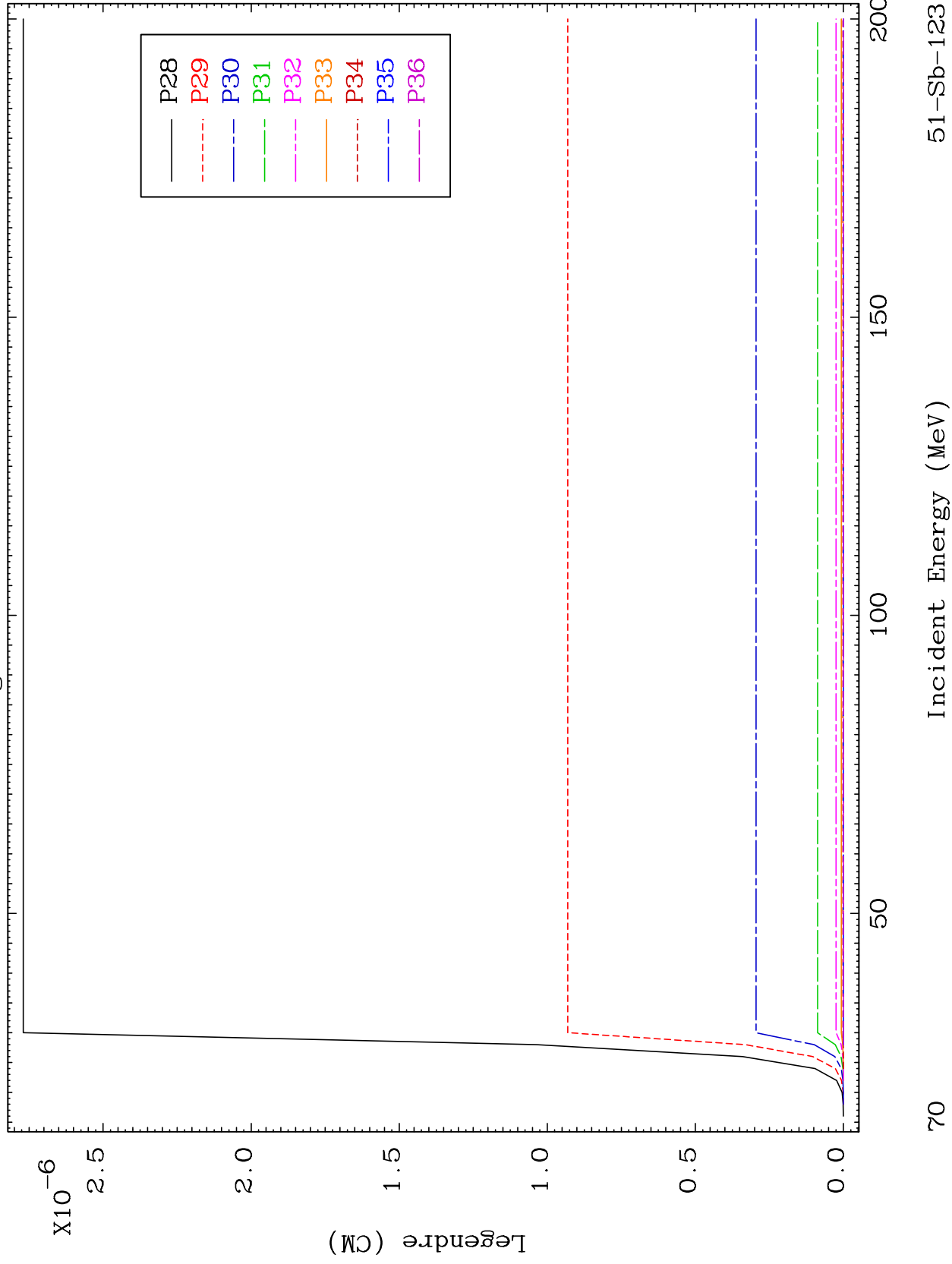
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



51-Sb-123

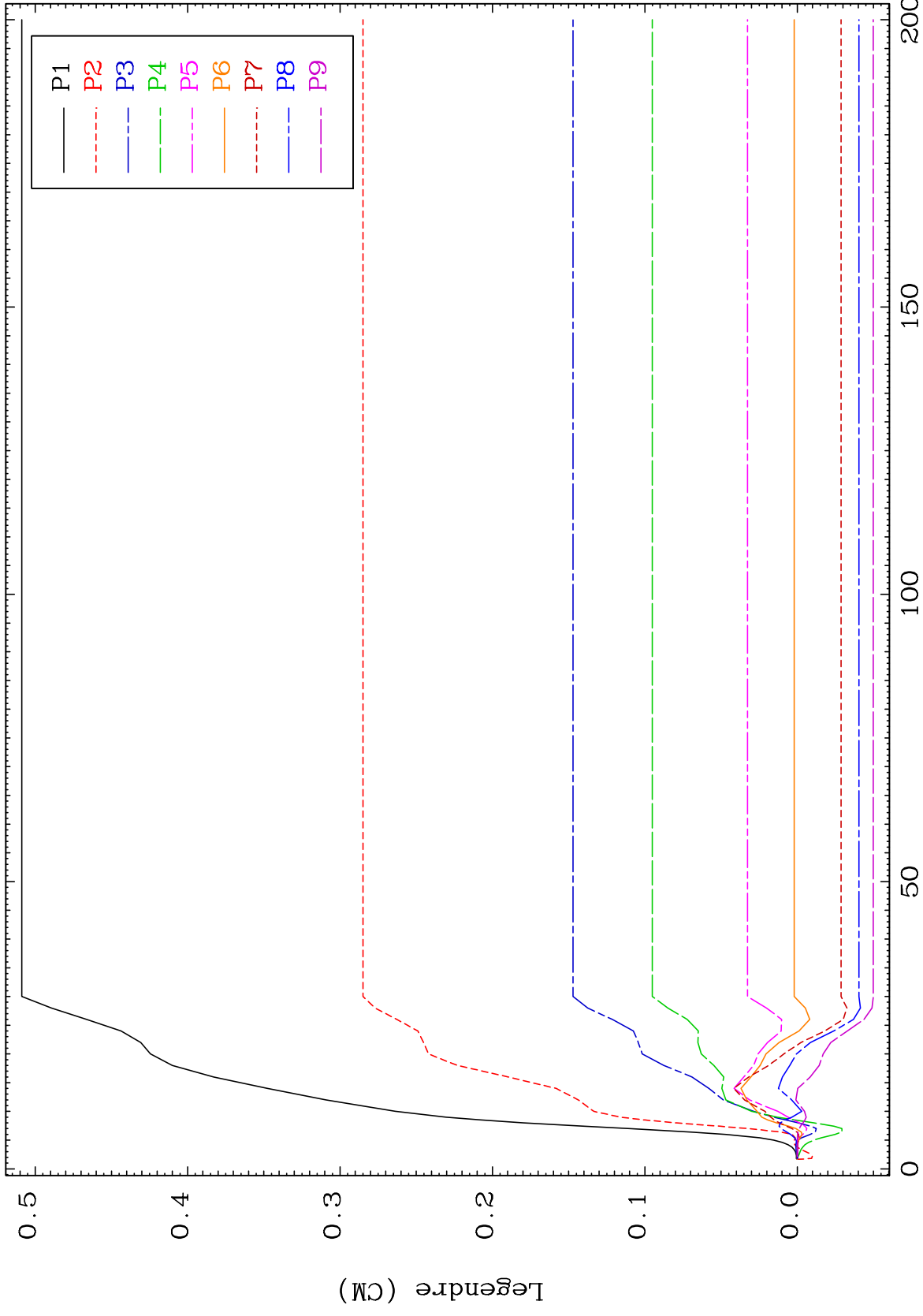
Incident Energy (MeV)

70

MAT 5131

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

51-Sb-123



71

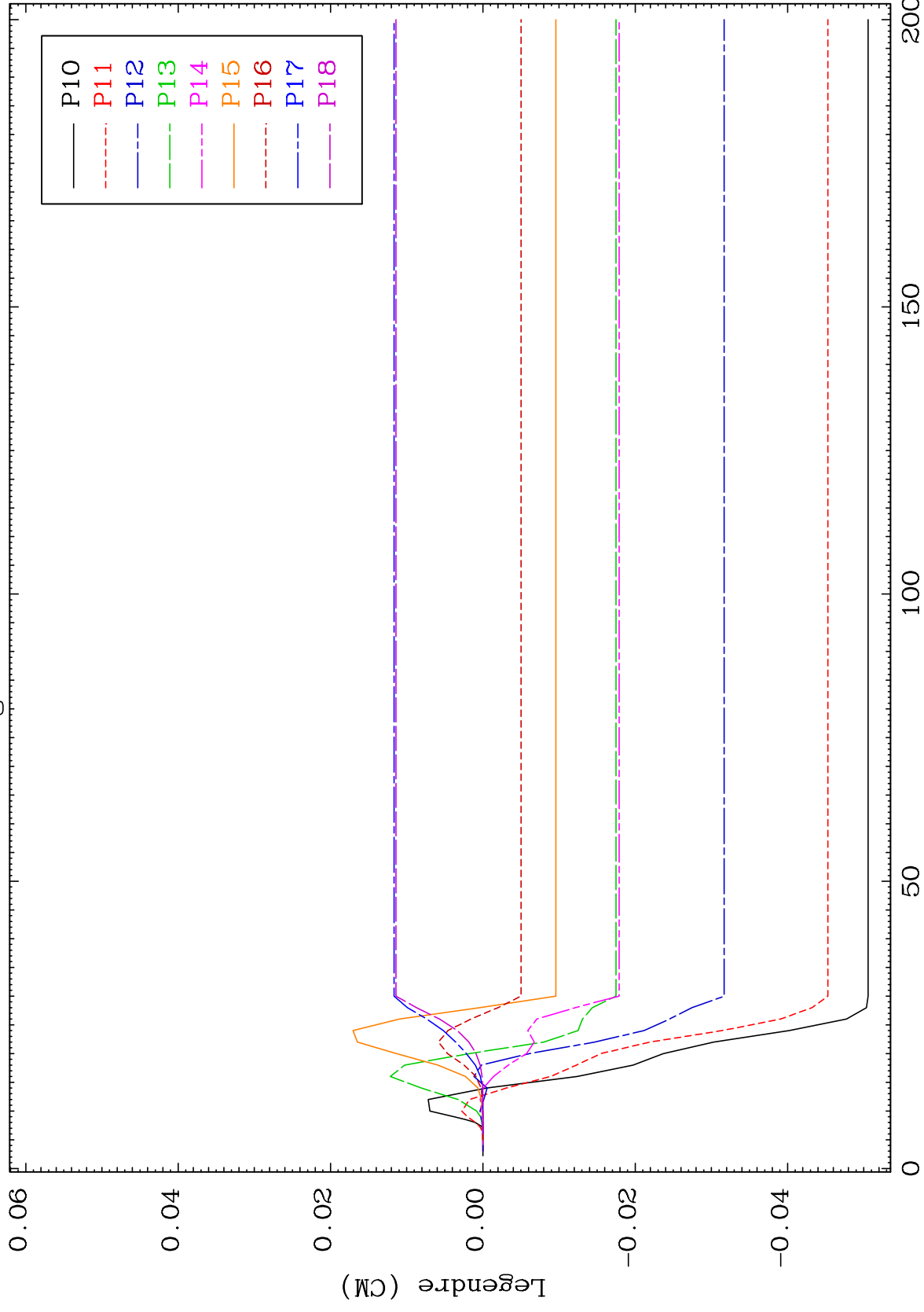
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



72

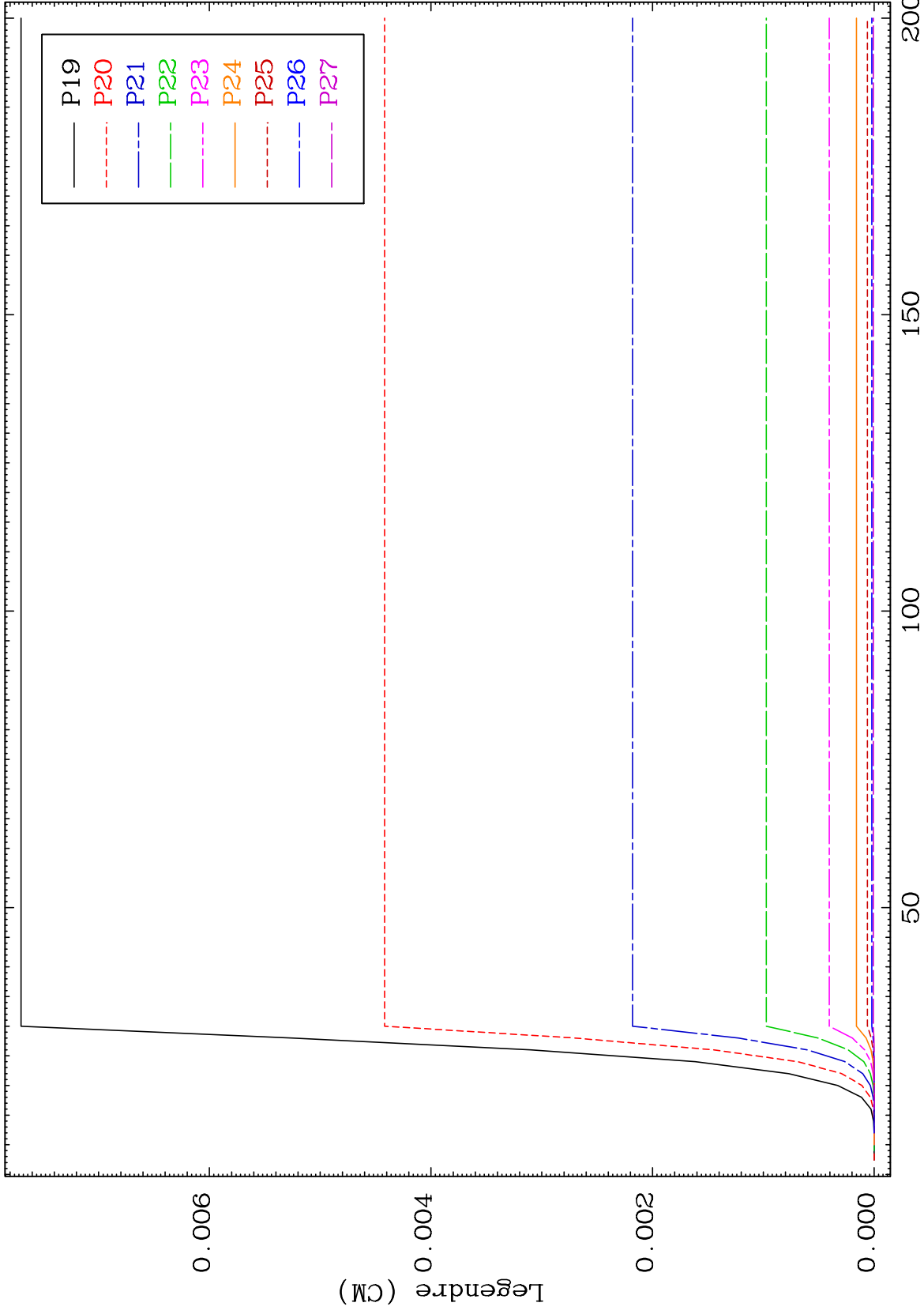
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



73

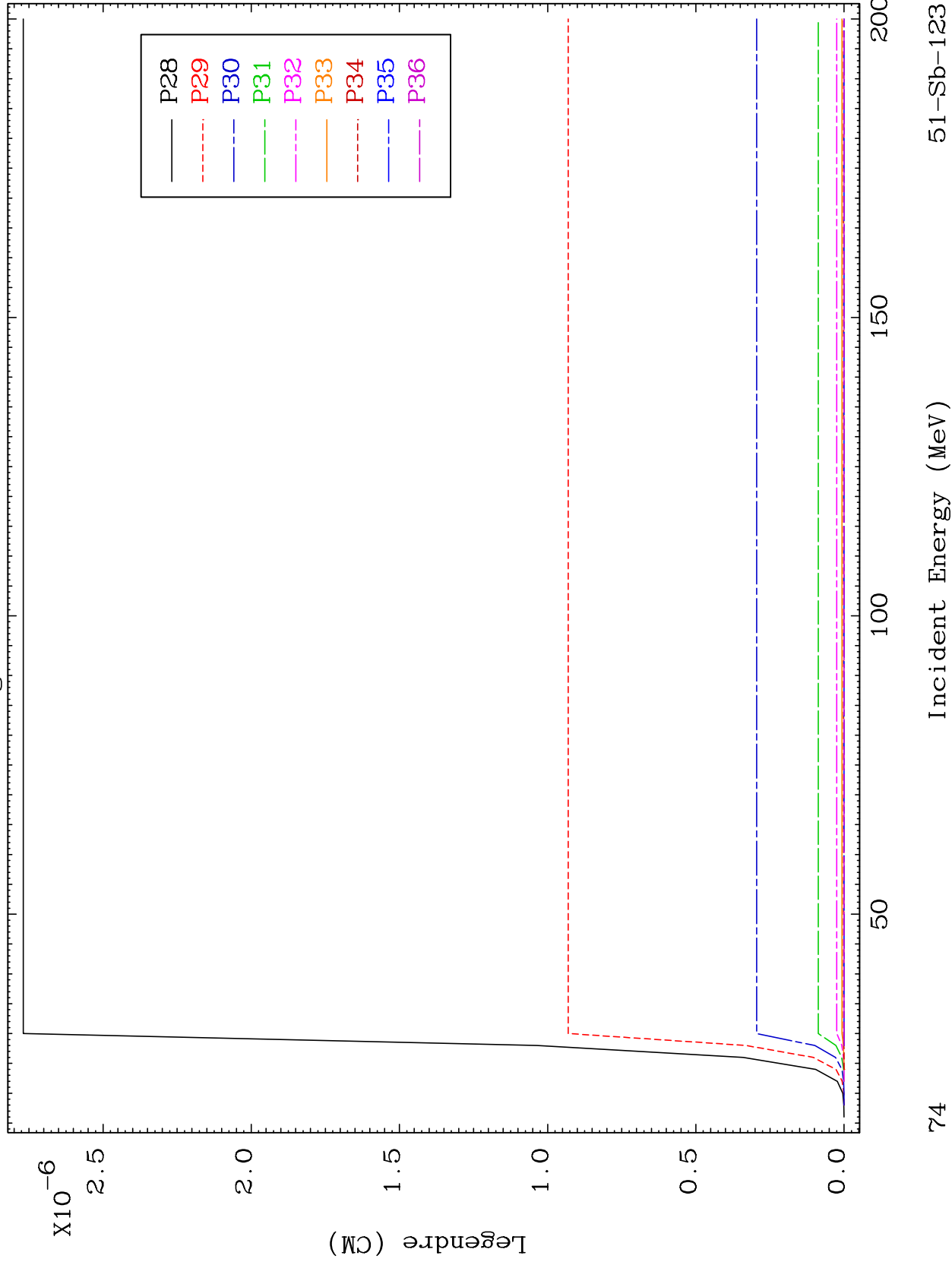
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



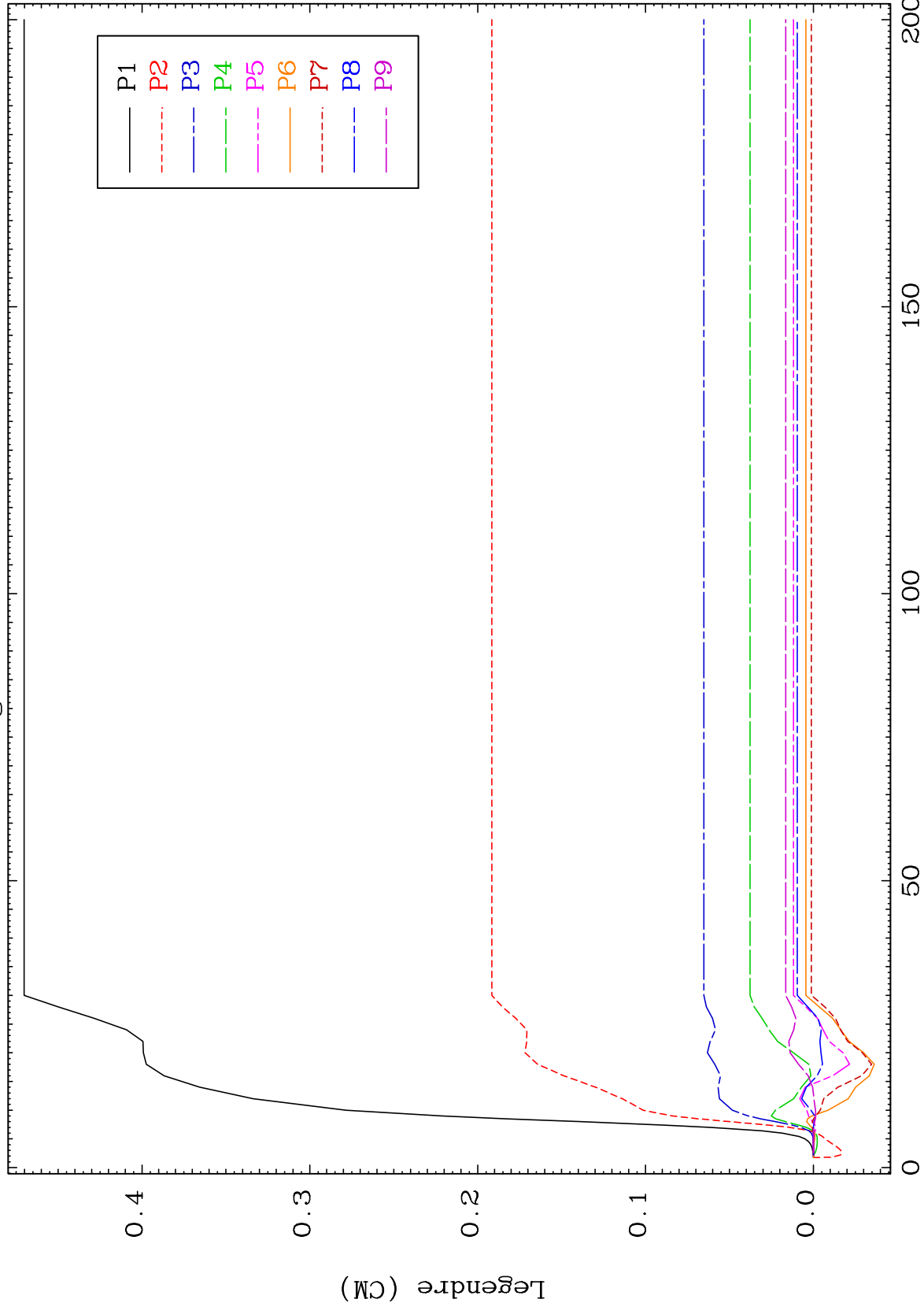
74

51-Sb-123

MAT 5131

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

51-Sb-123



75

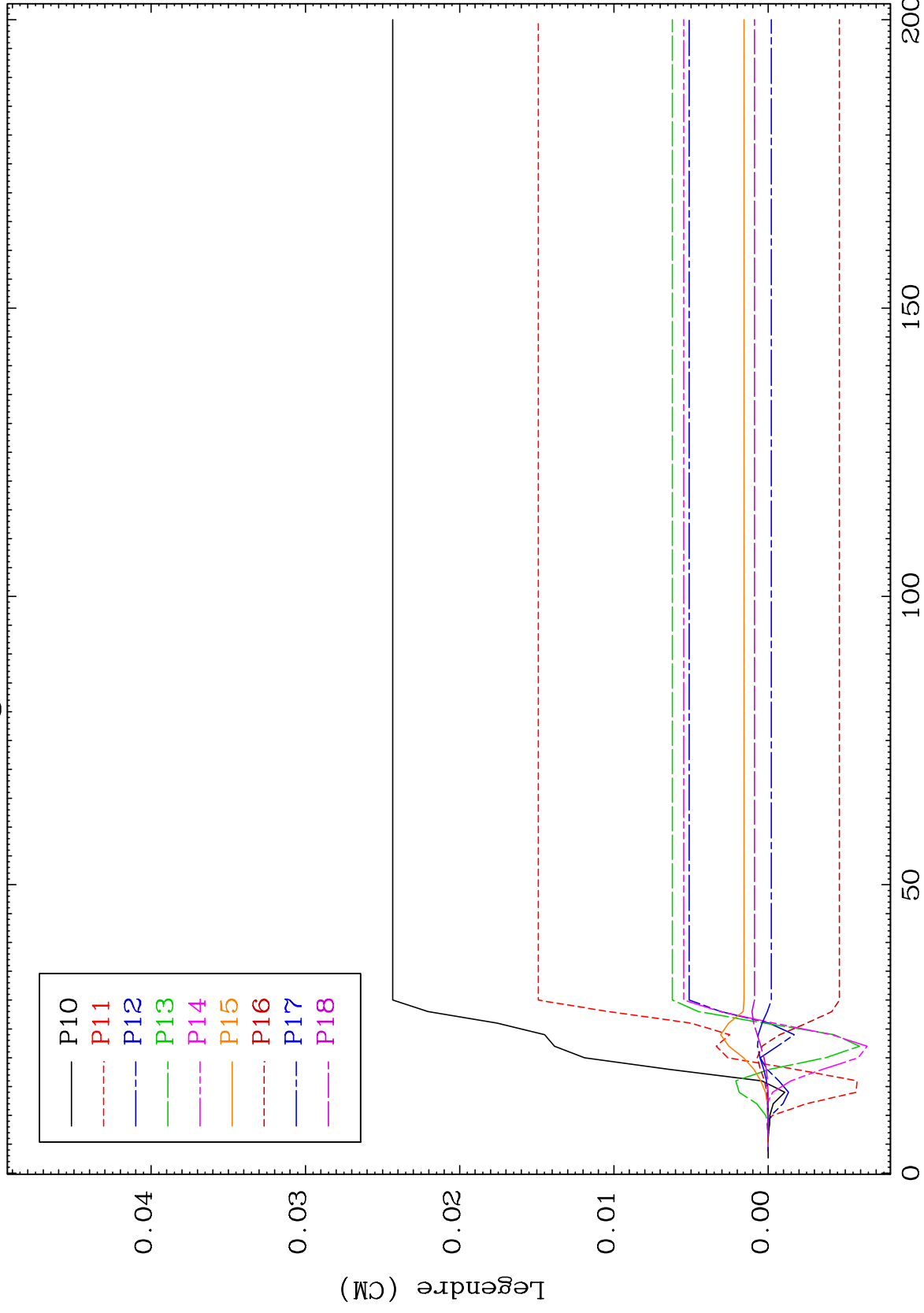
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



76

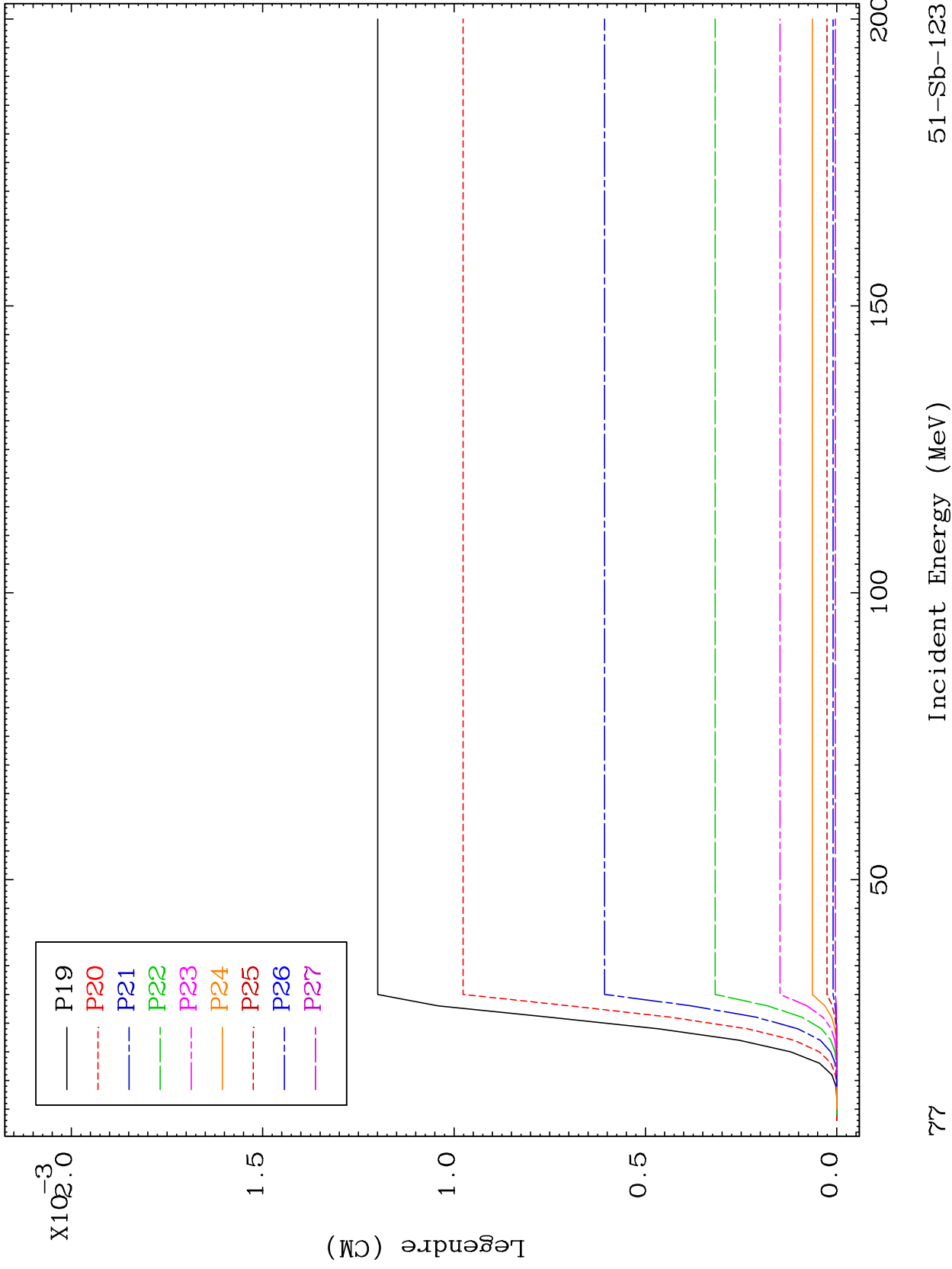
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

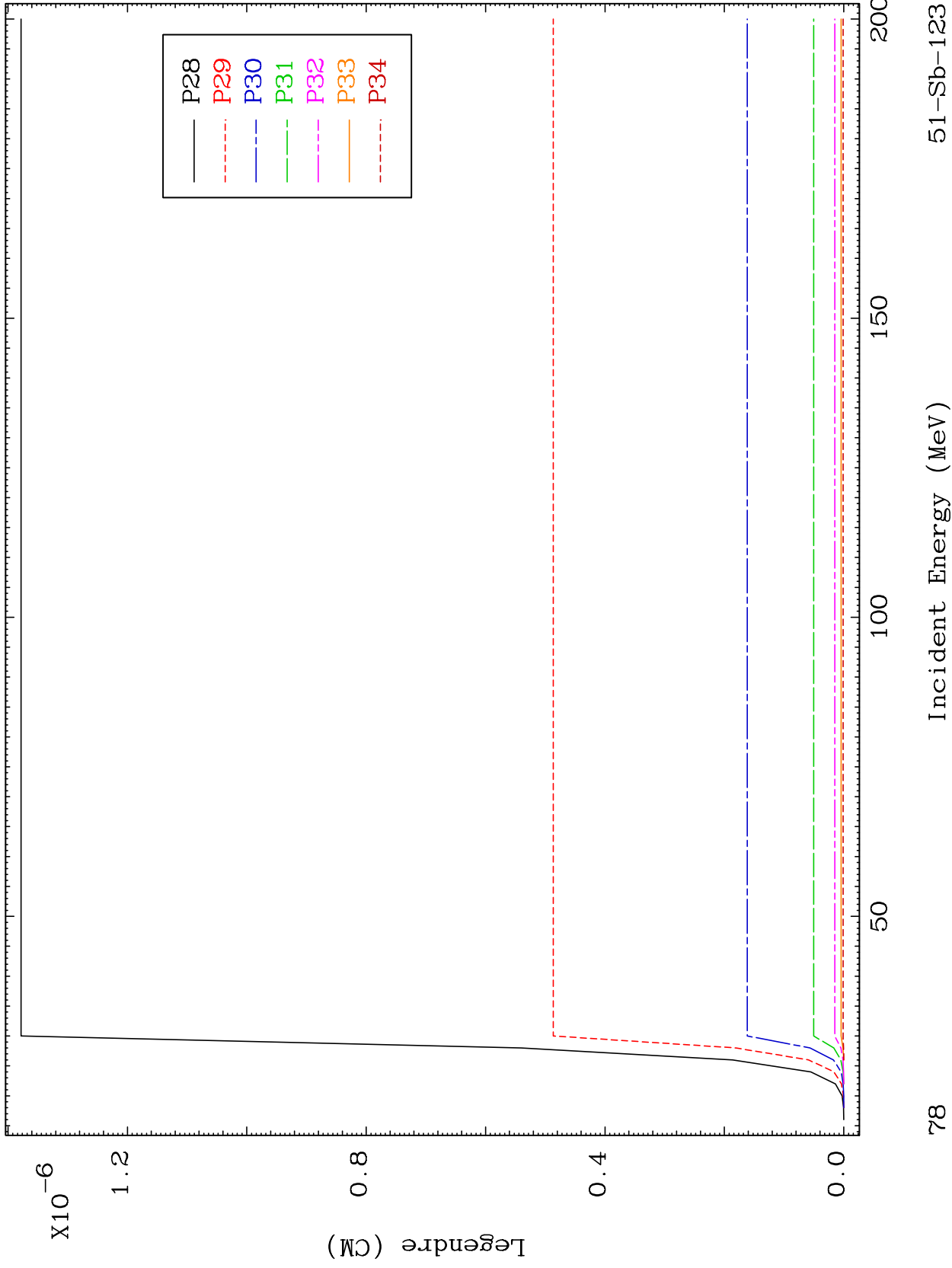
51-Sb-123



MAT 5131

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

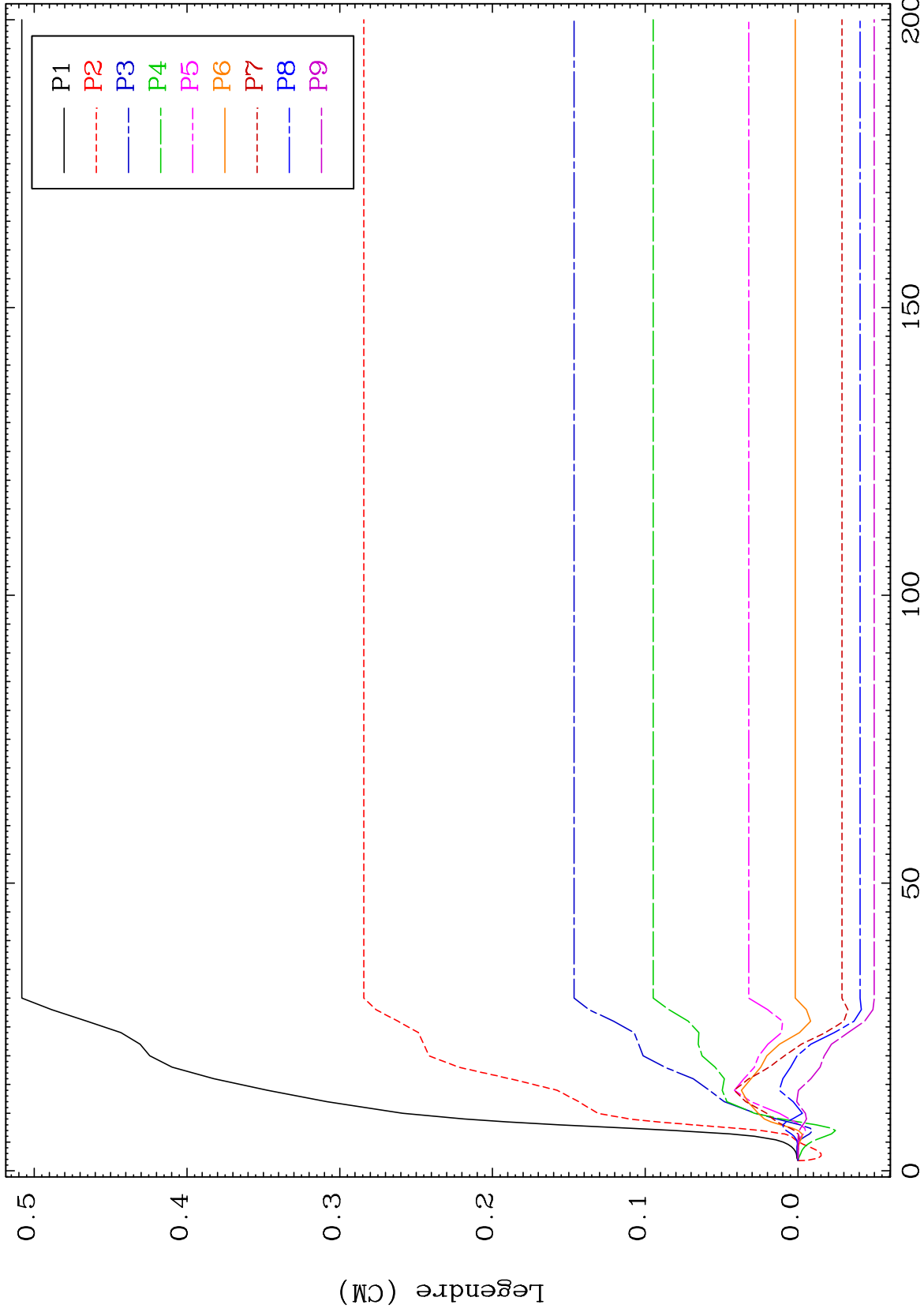
51-Sb-123



MAT 5131

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

51-Sb-123



79

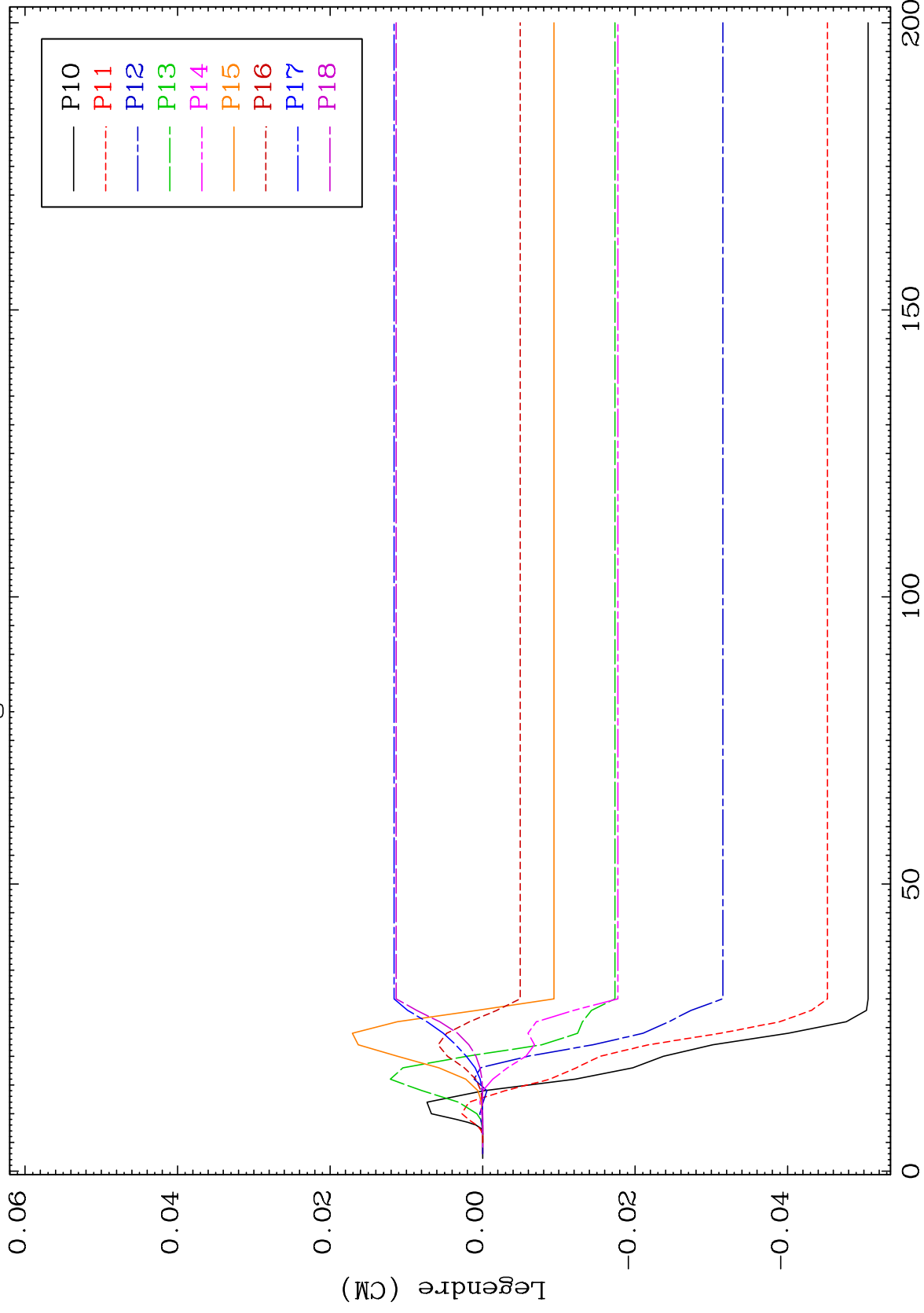
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

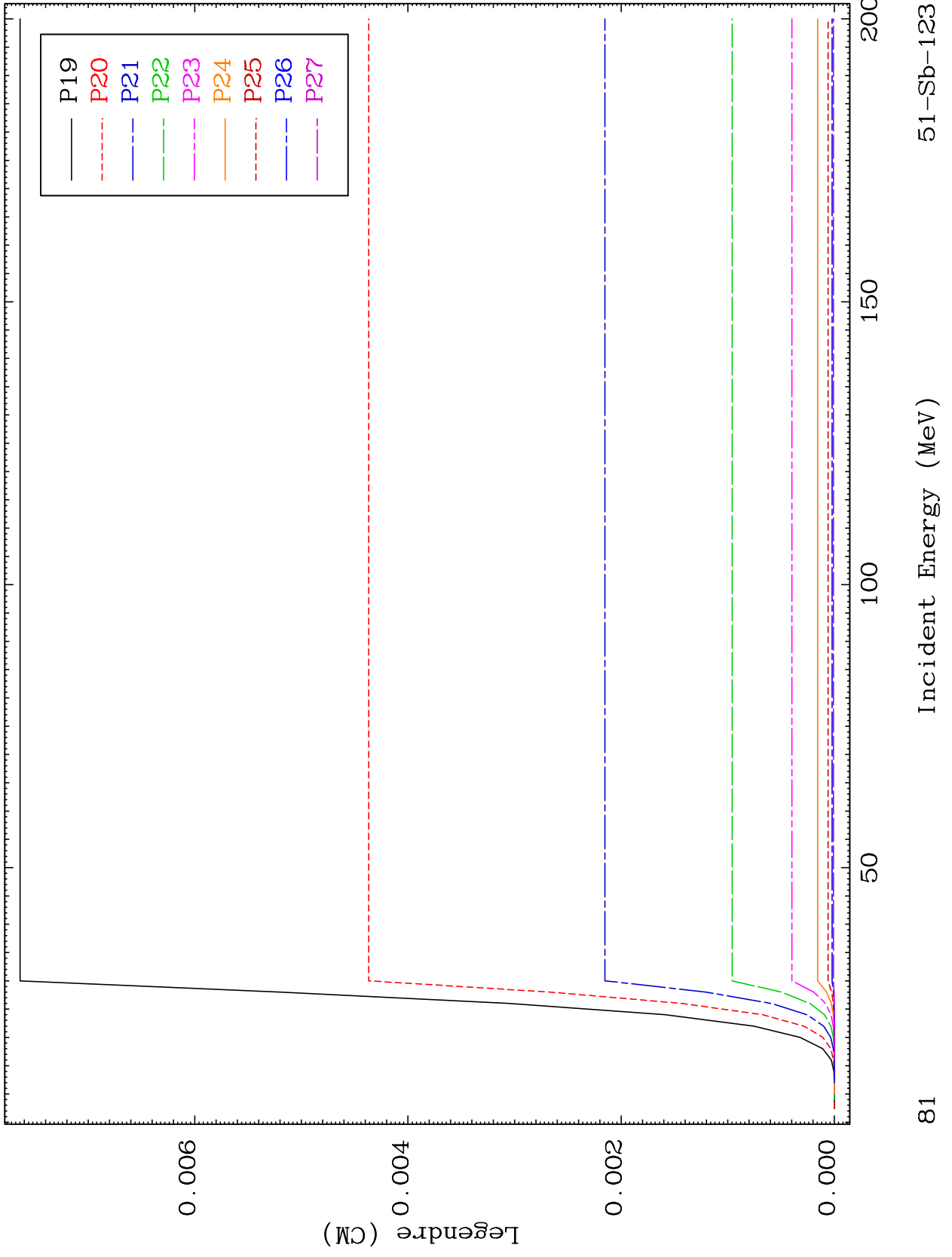
51-Sb-123



51-Sb-123

Incident Energy (MeV)

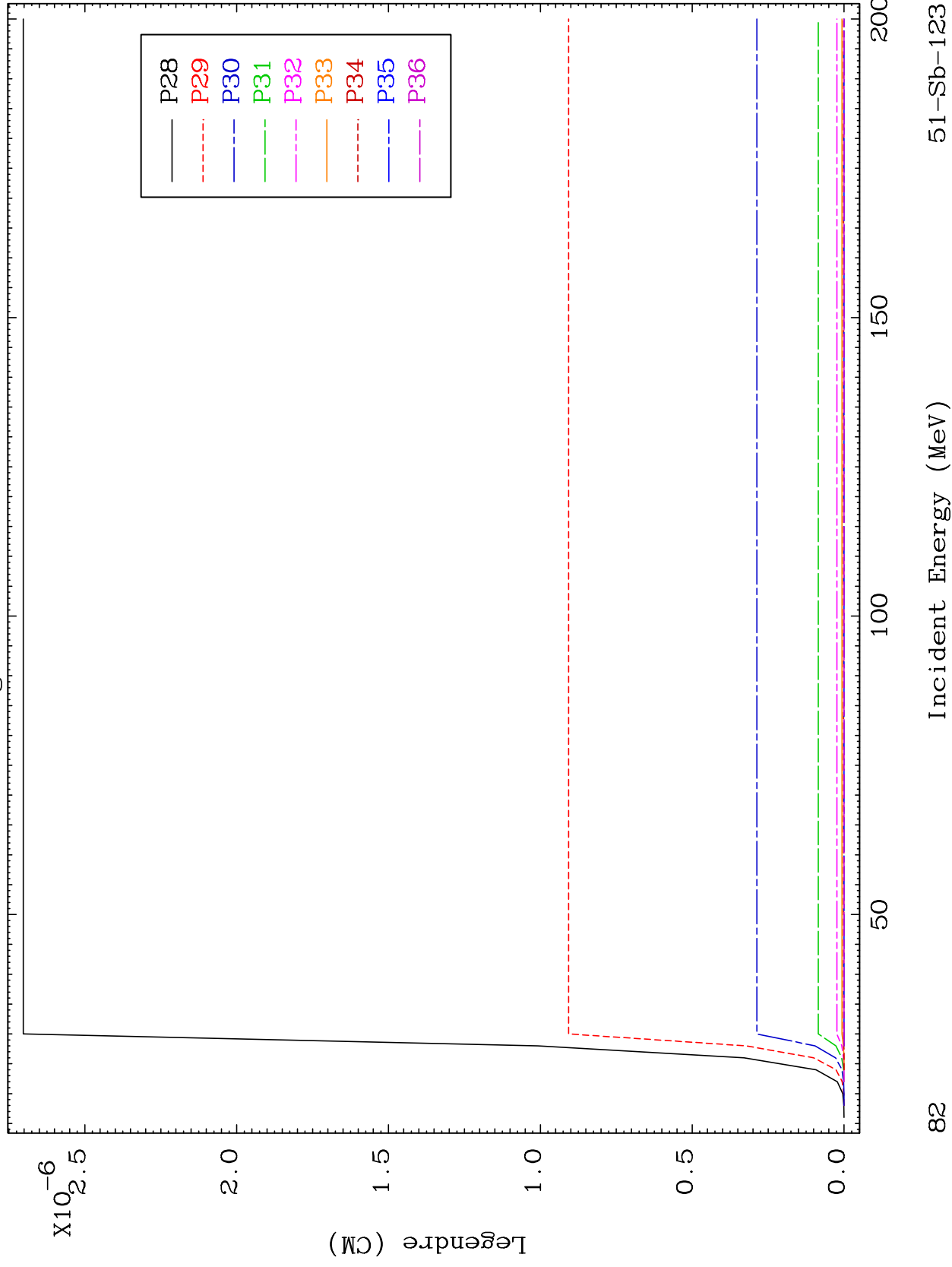
80



MAT 5131

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

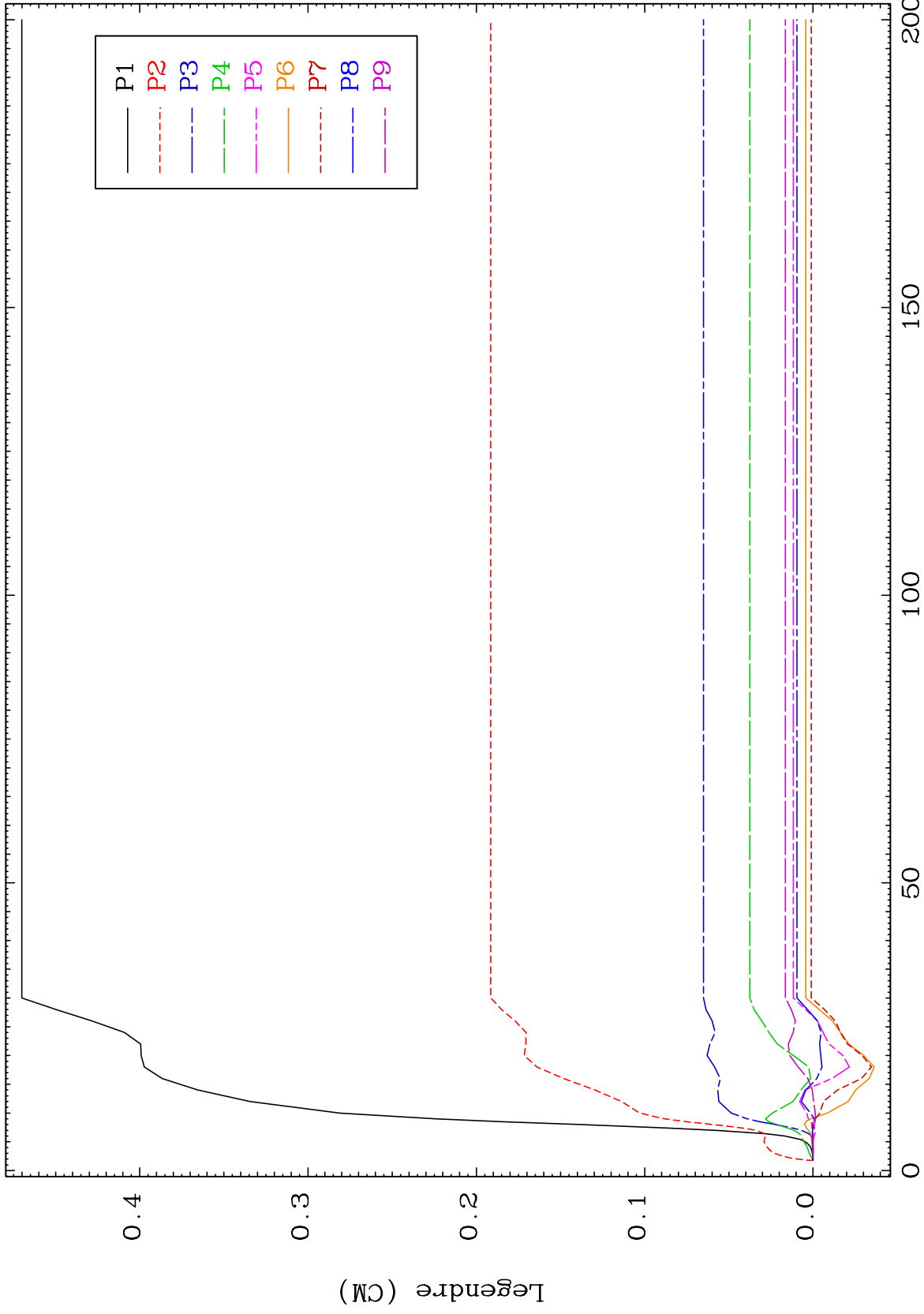
51-Sb-123

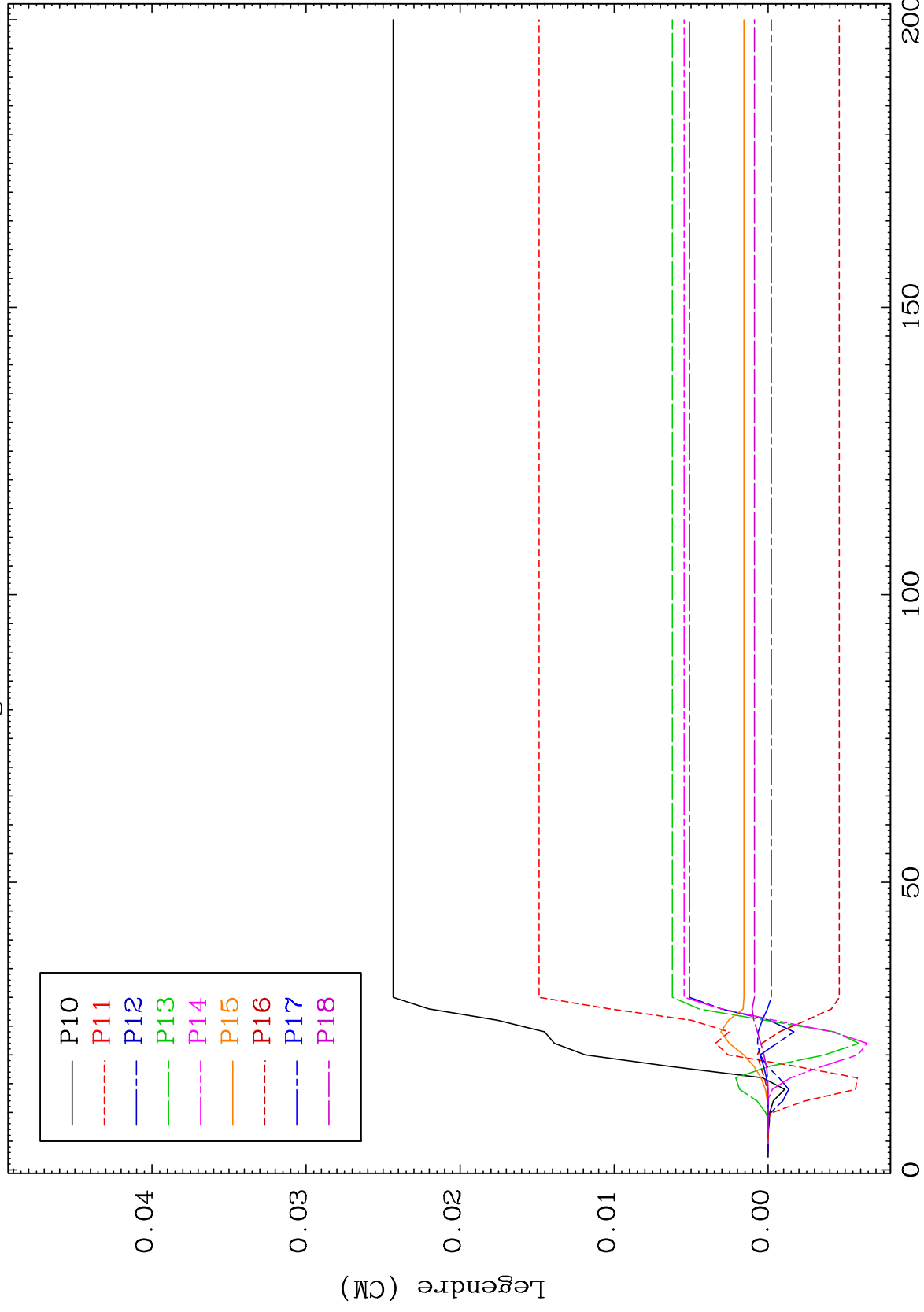


82

Incident Energy (MeV)

51-Sb-123

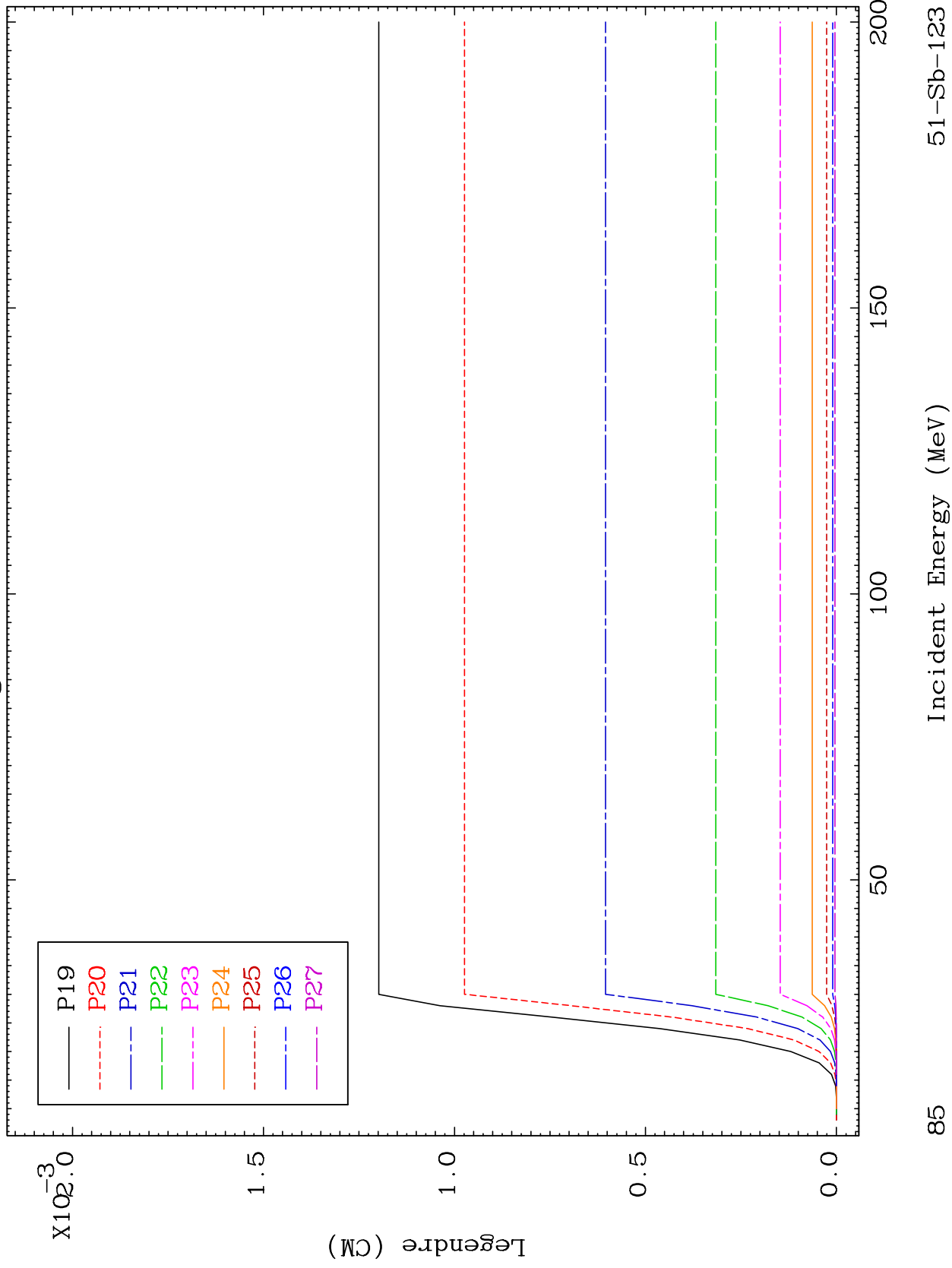


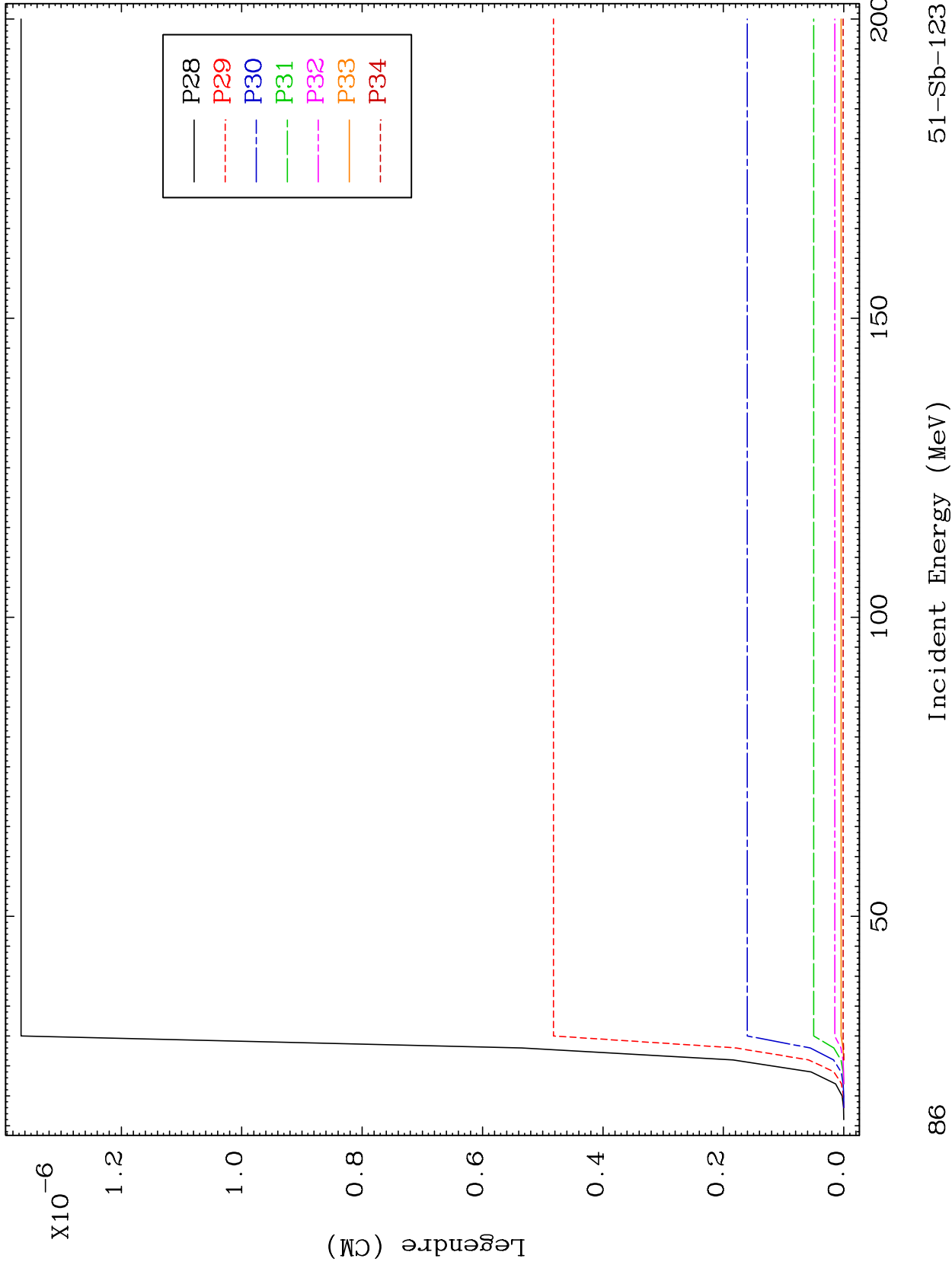


MAT 5131

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

51-Sb-123

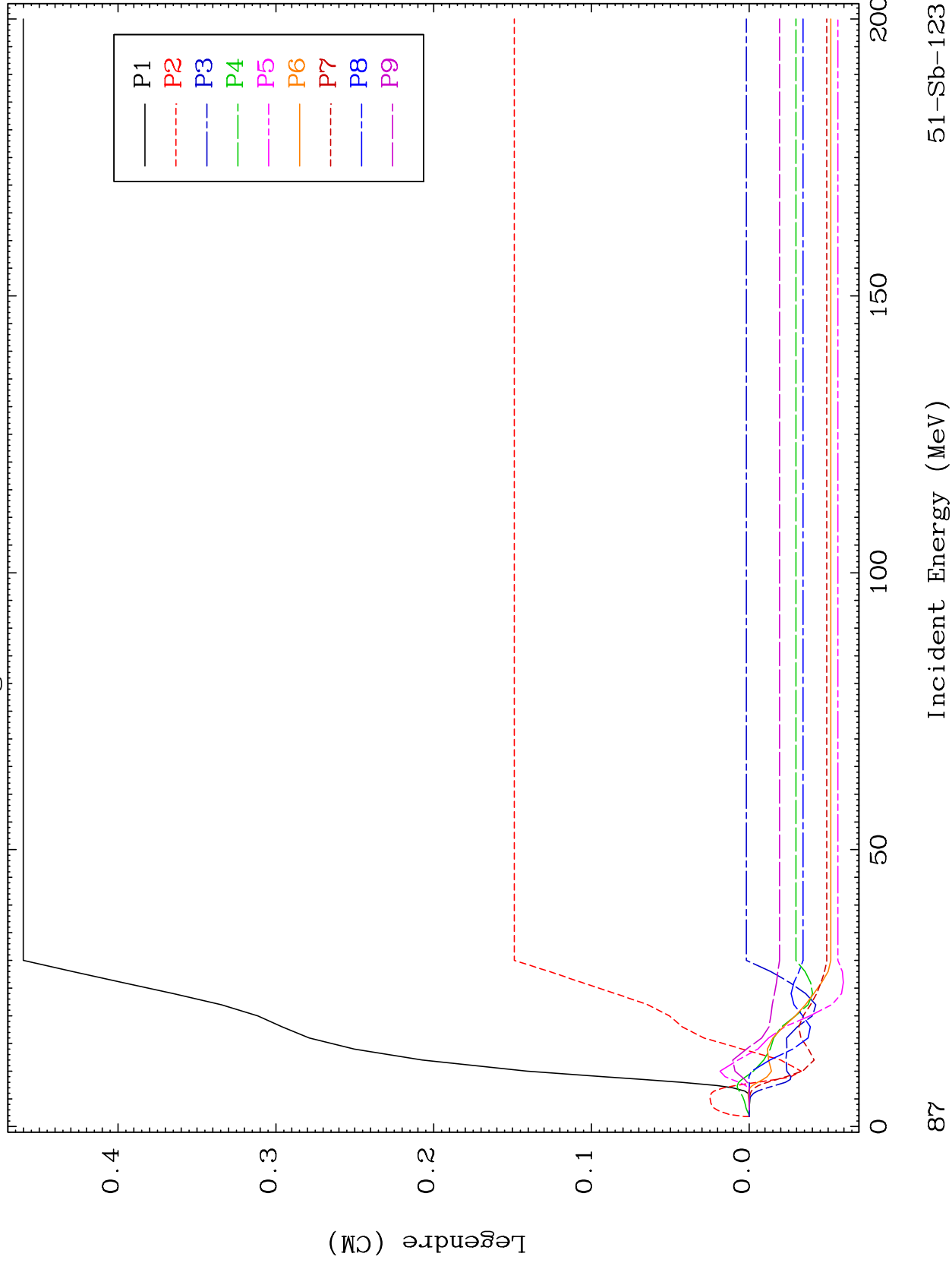




MAT 5131

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

51-Sb-123



51-Sb-123

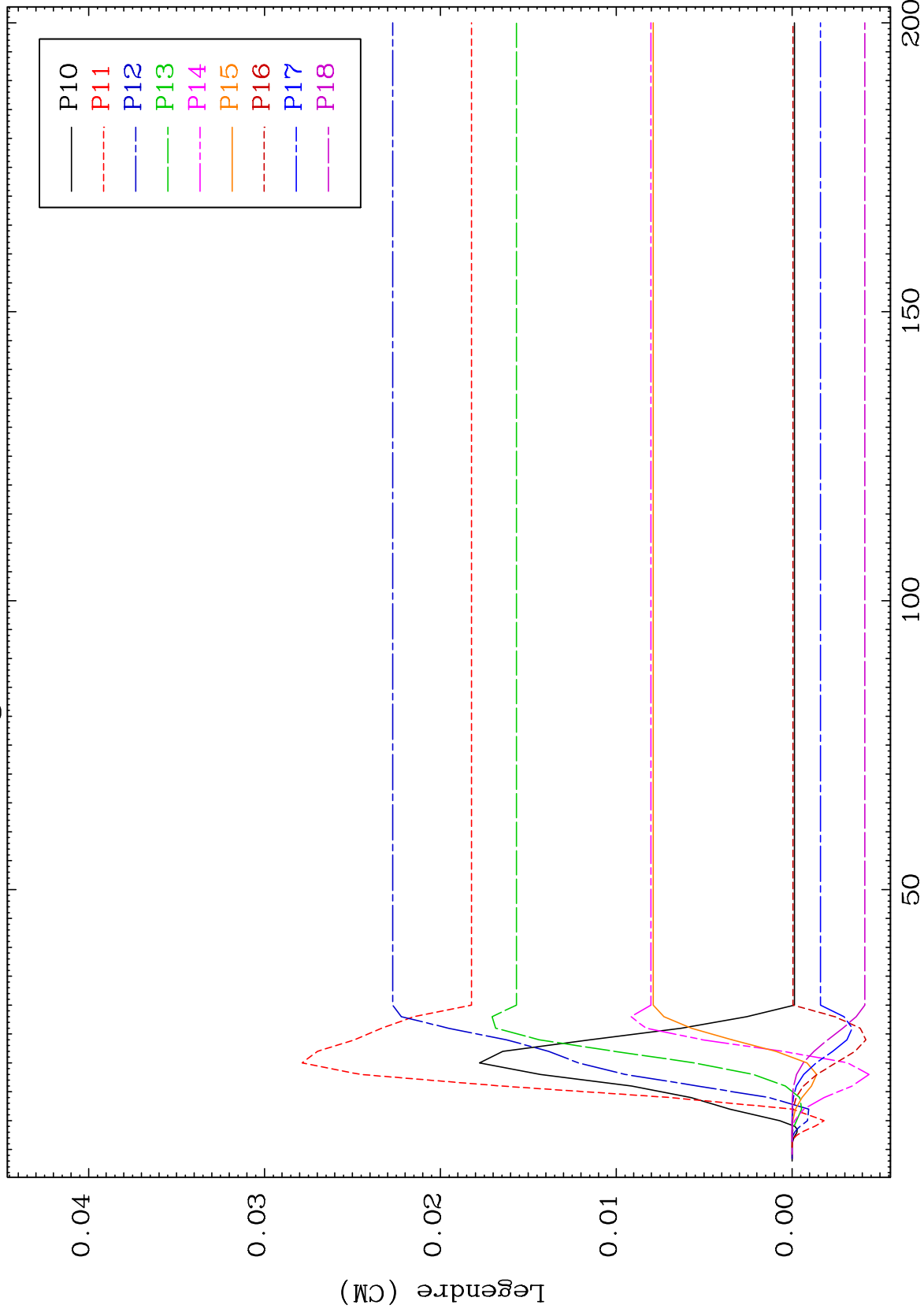
Incident Energy (MeV)

87

MAT 5131

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

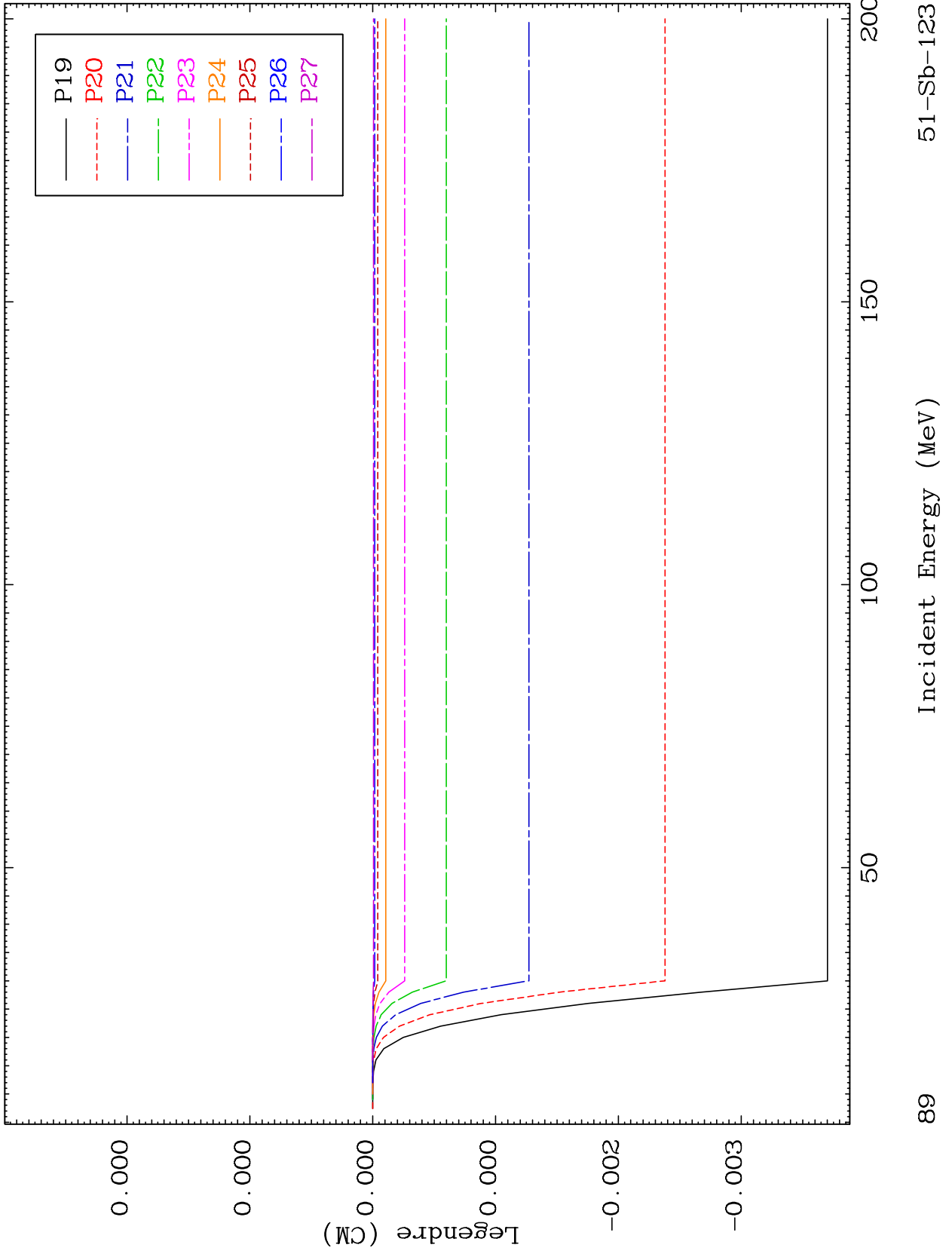
51-Sb-123



88

Incident Energy (MeV)

51-Sb-123

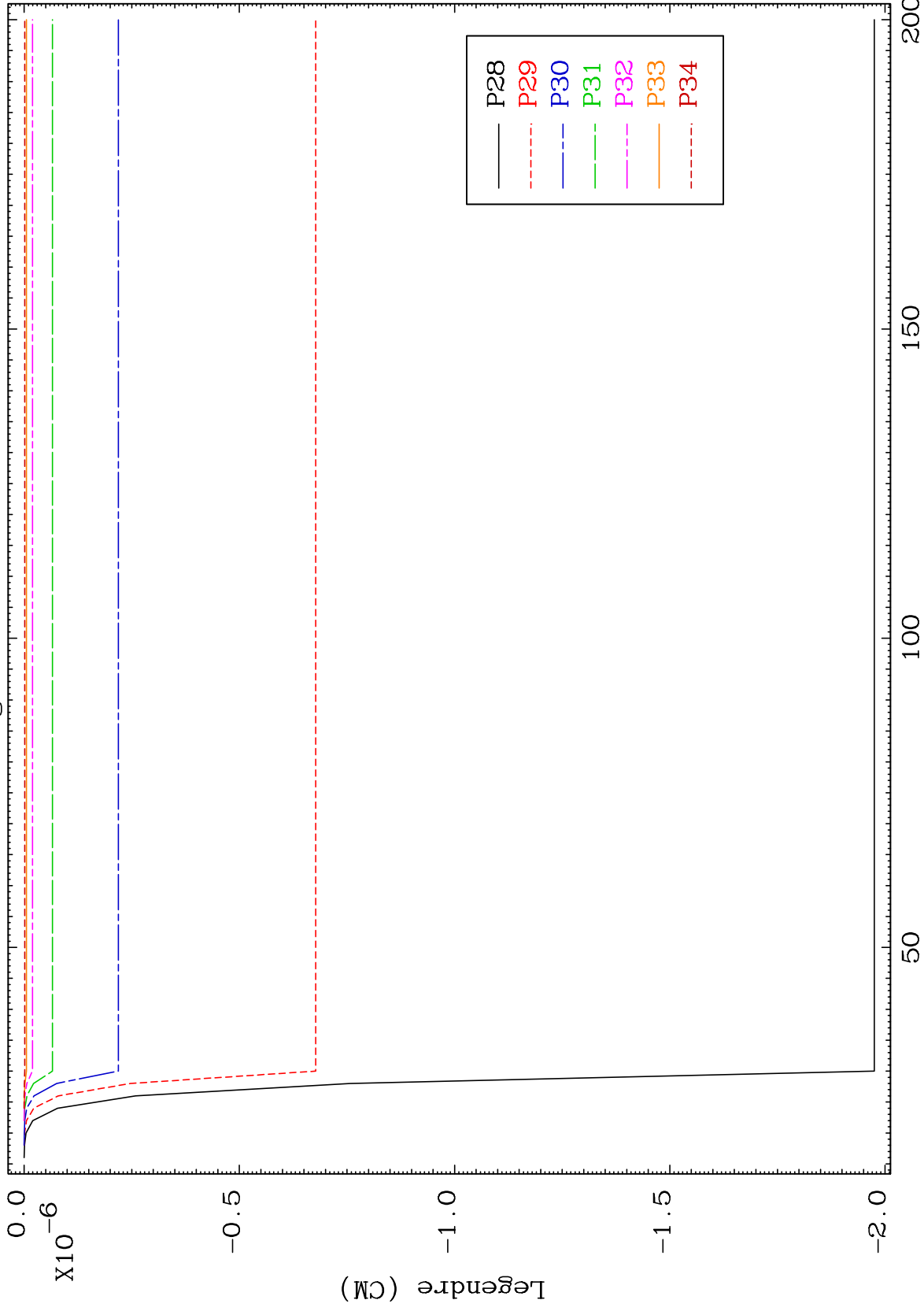


MAT 5131

MT= 68 (n,n') Level

51-Sb-123

Legendre Coefficients



90

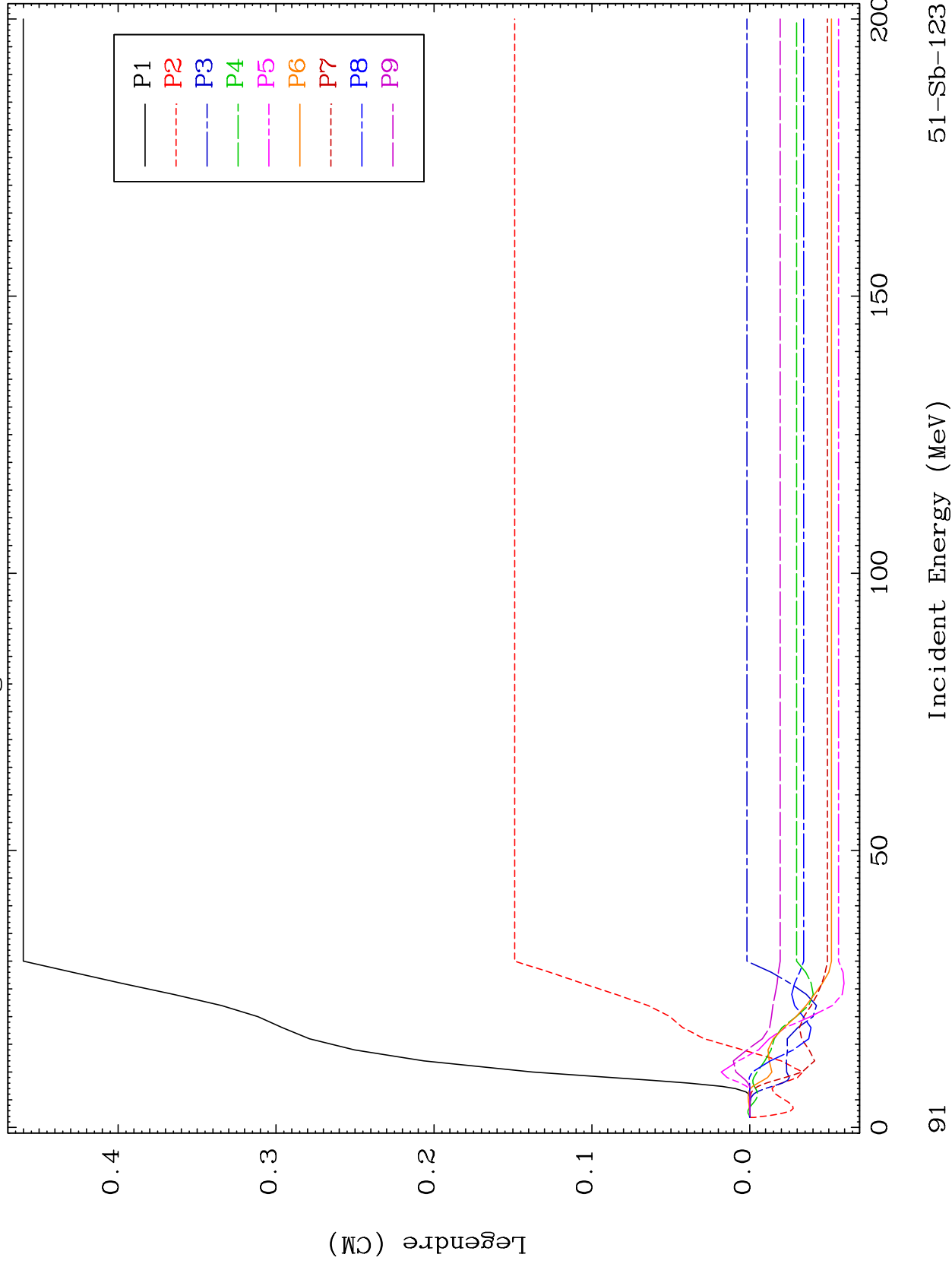
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

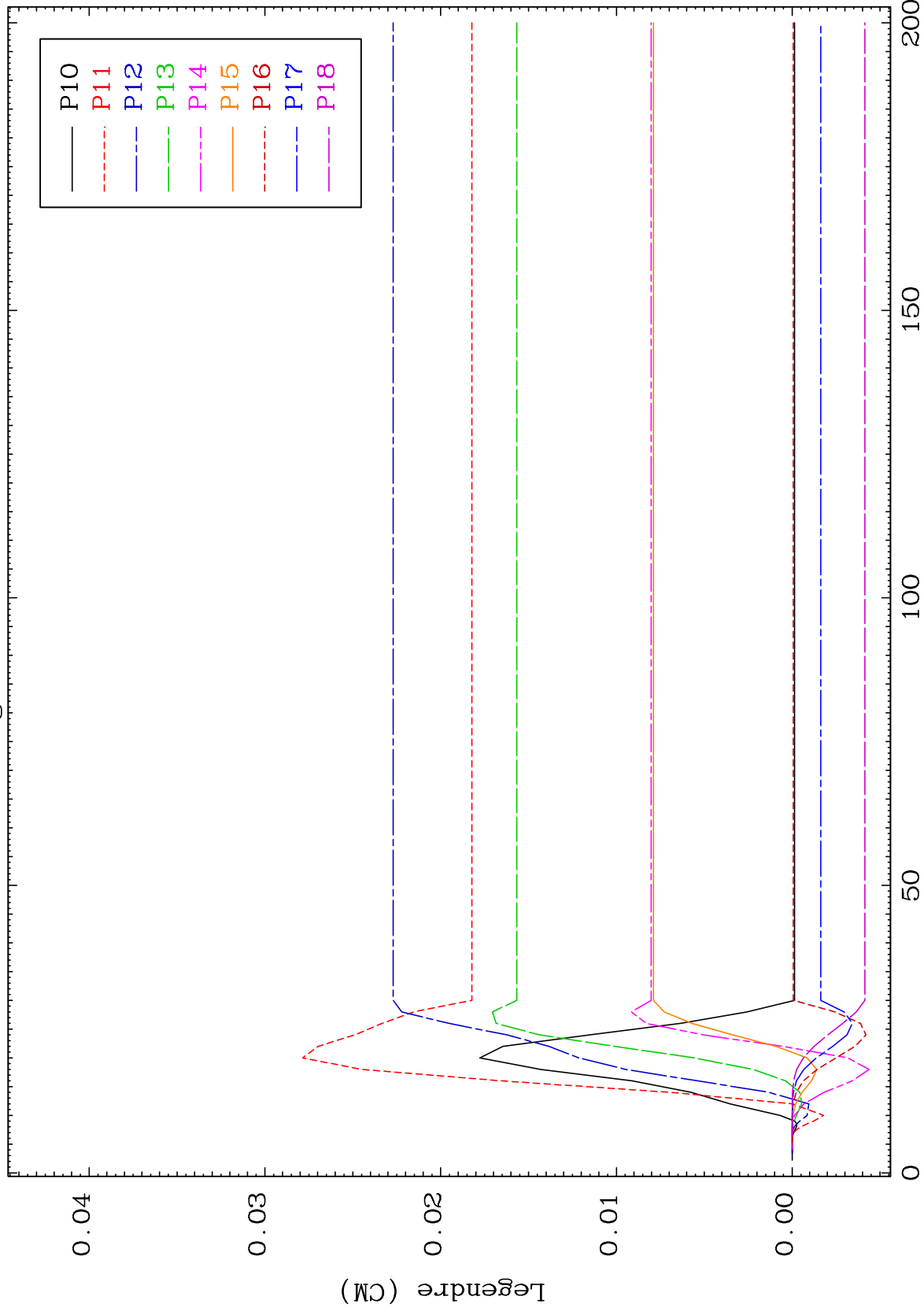
51-Sb-123



MAT 5131

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

51-Sb-123



92

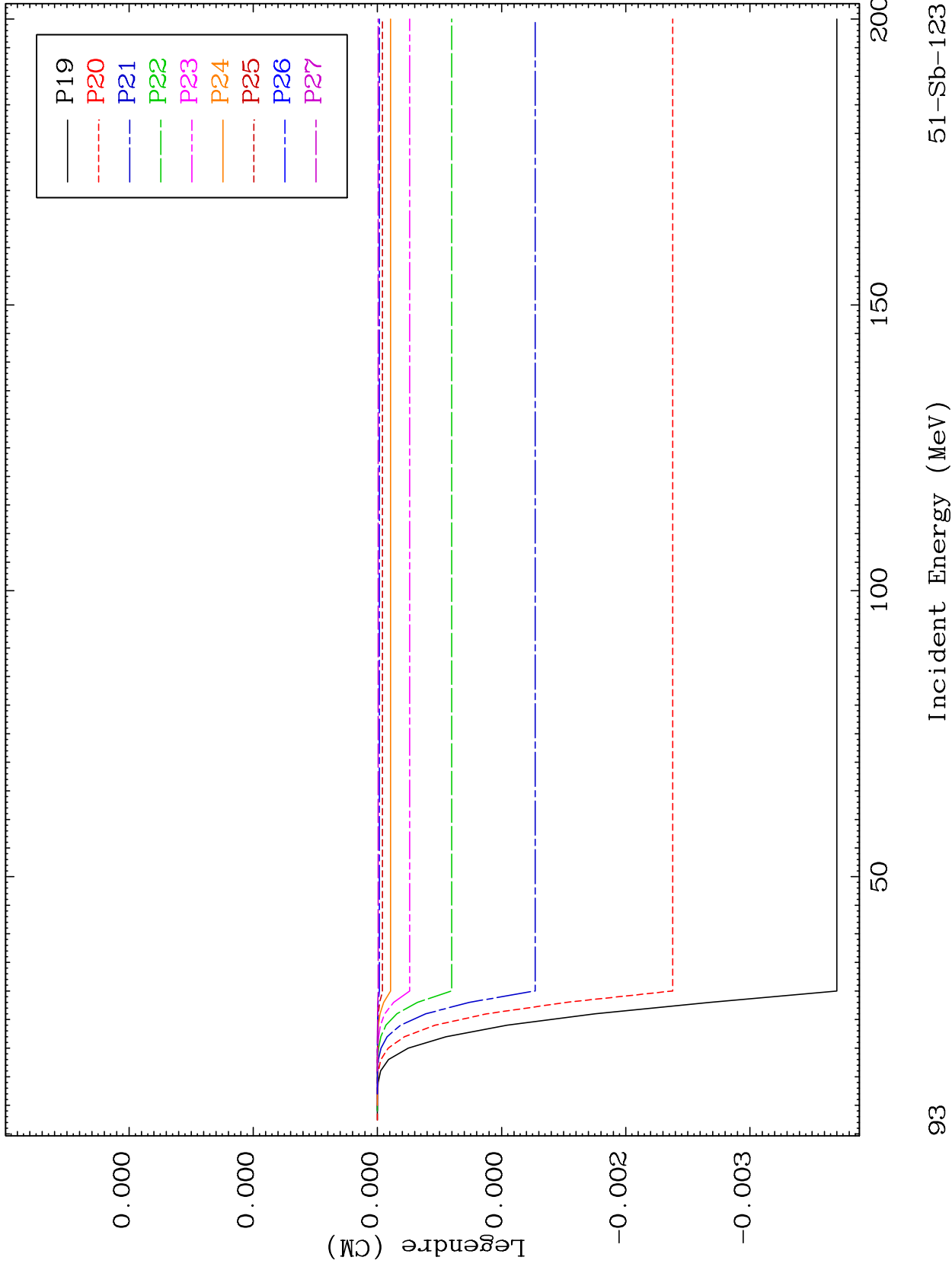
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

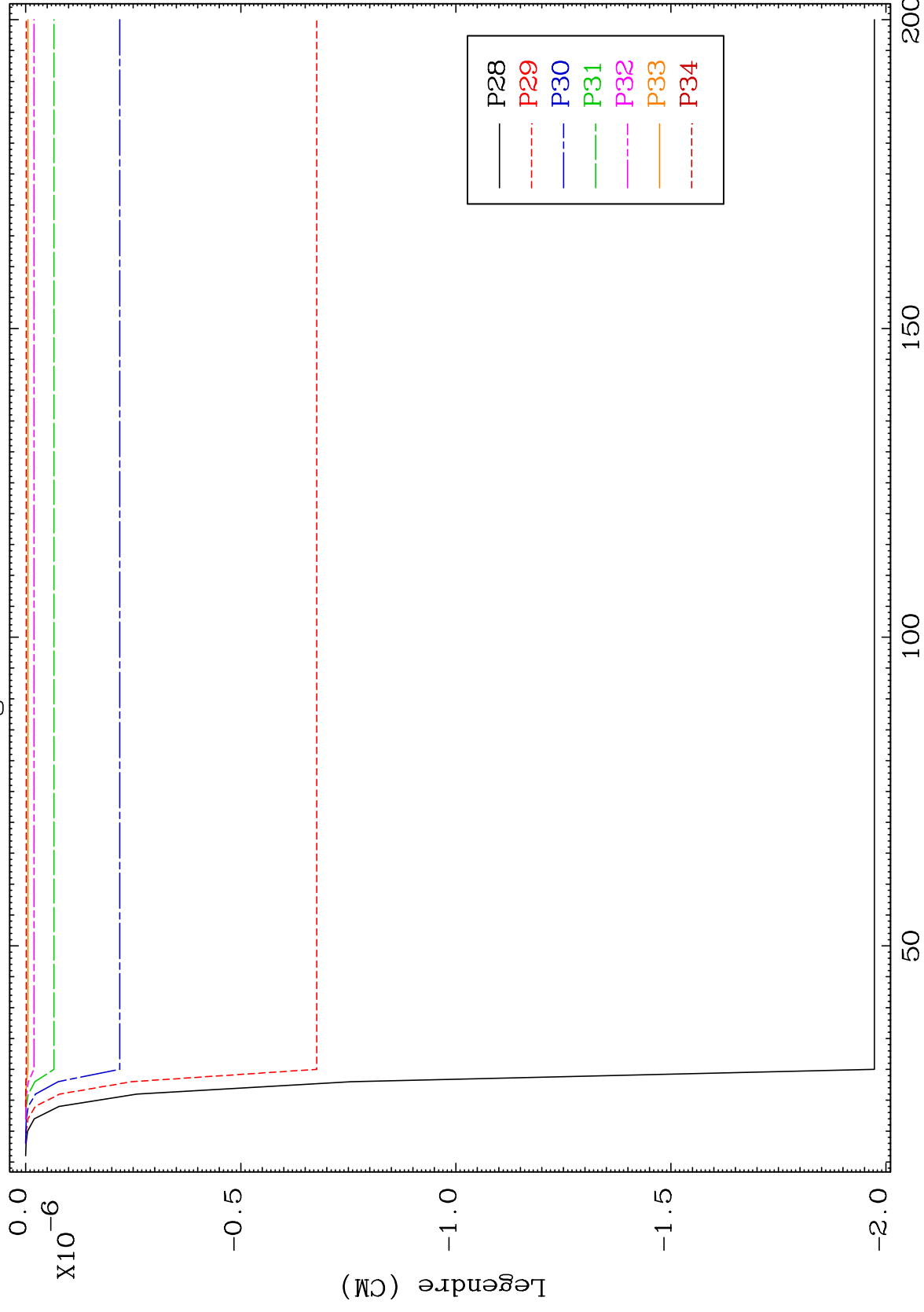
51-Sb-123



MAT 5131

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

51-Sb-123



94

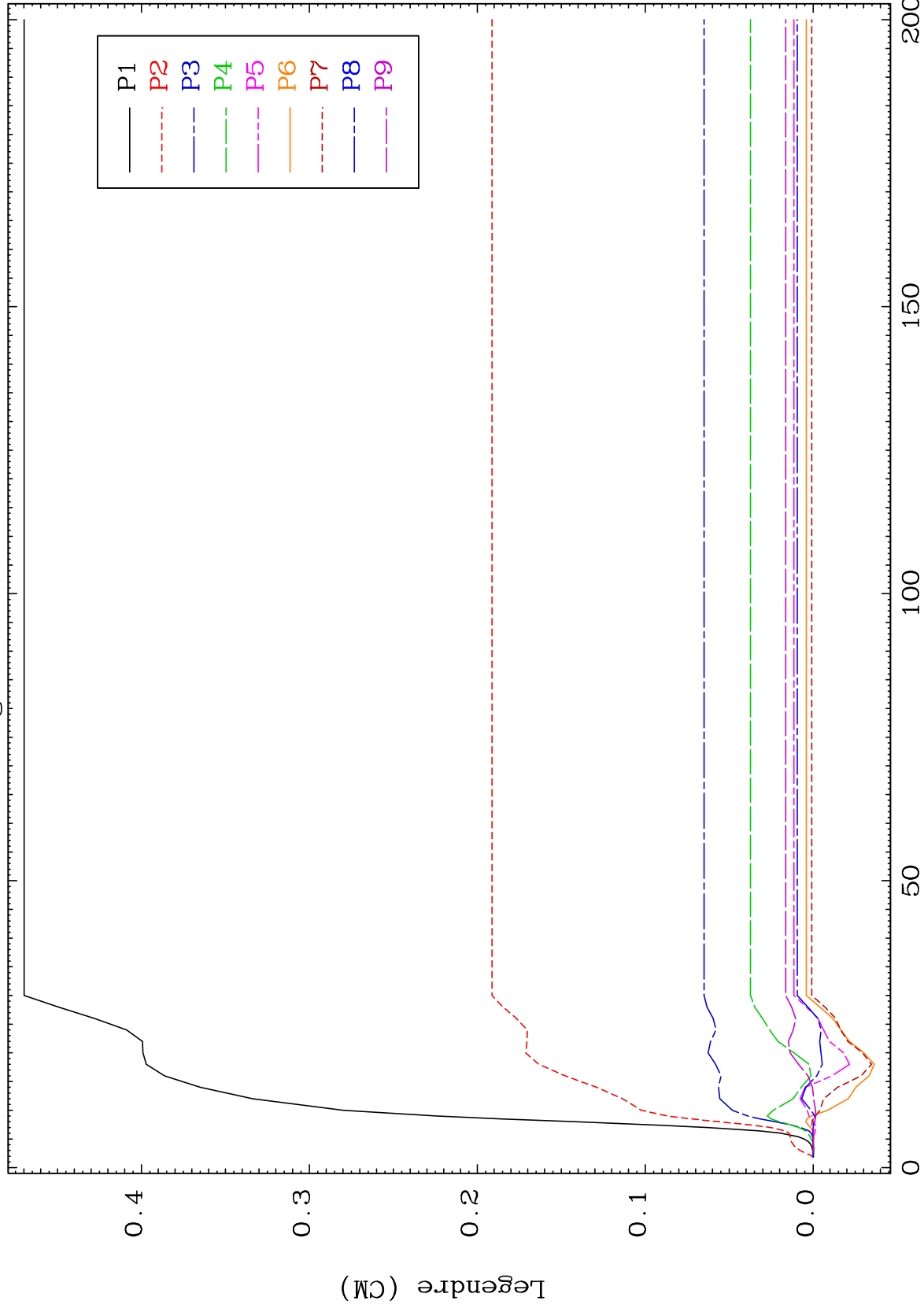
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



95

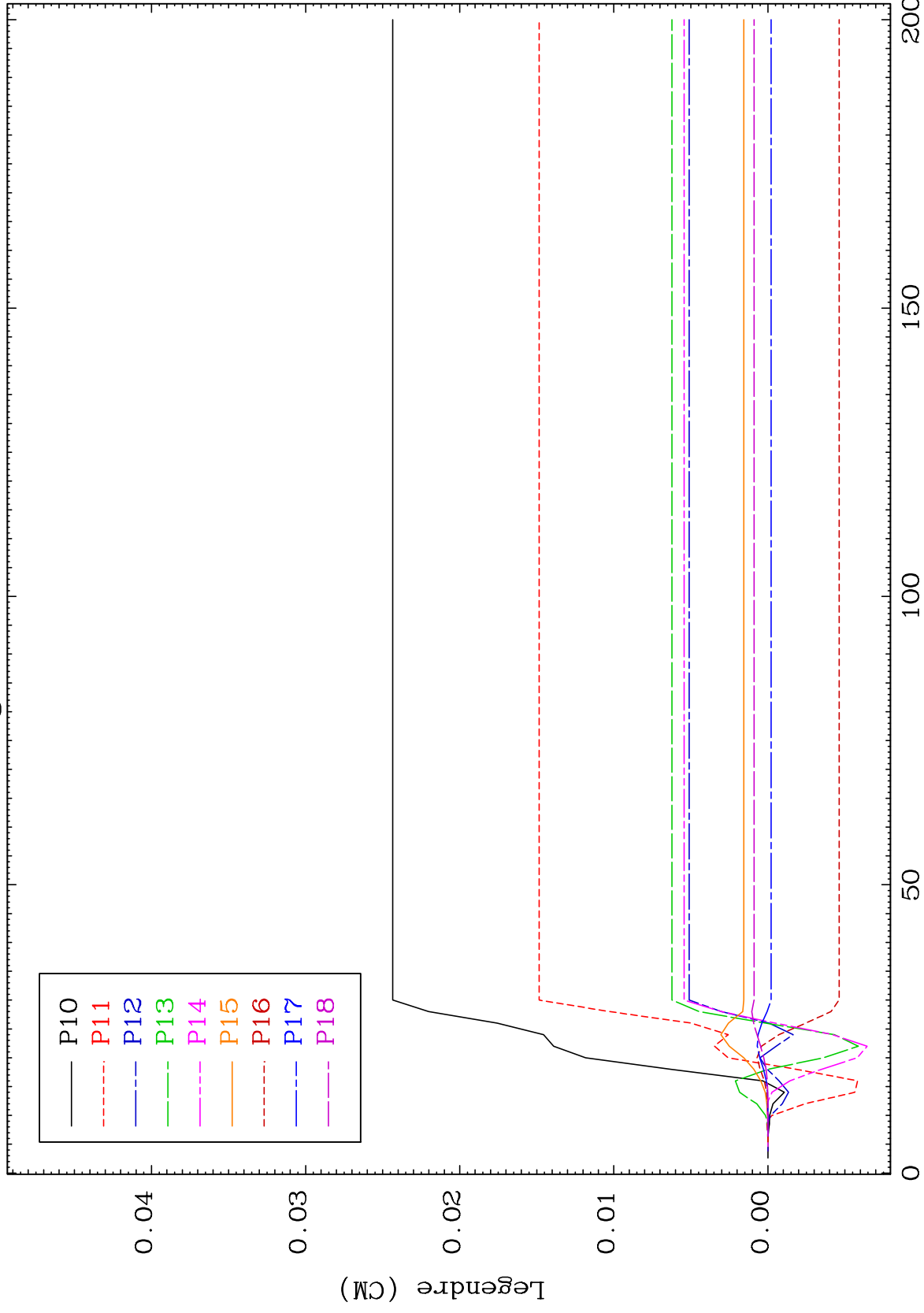
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

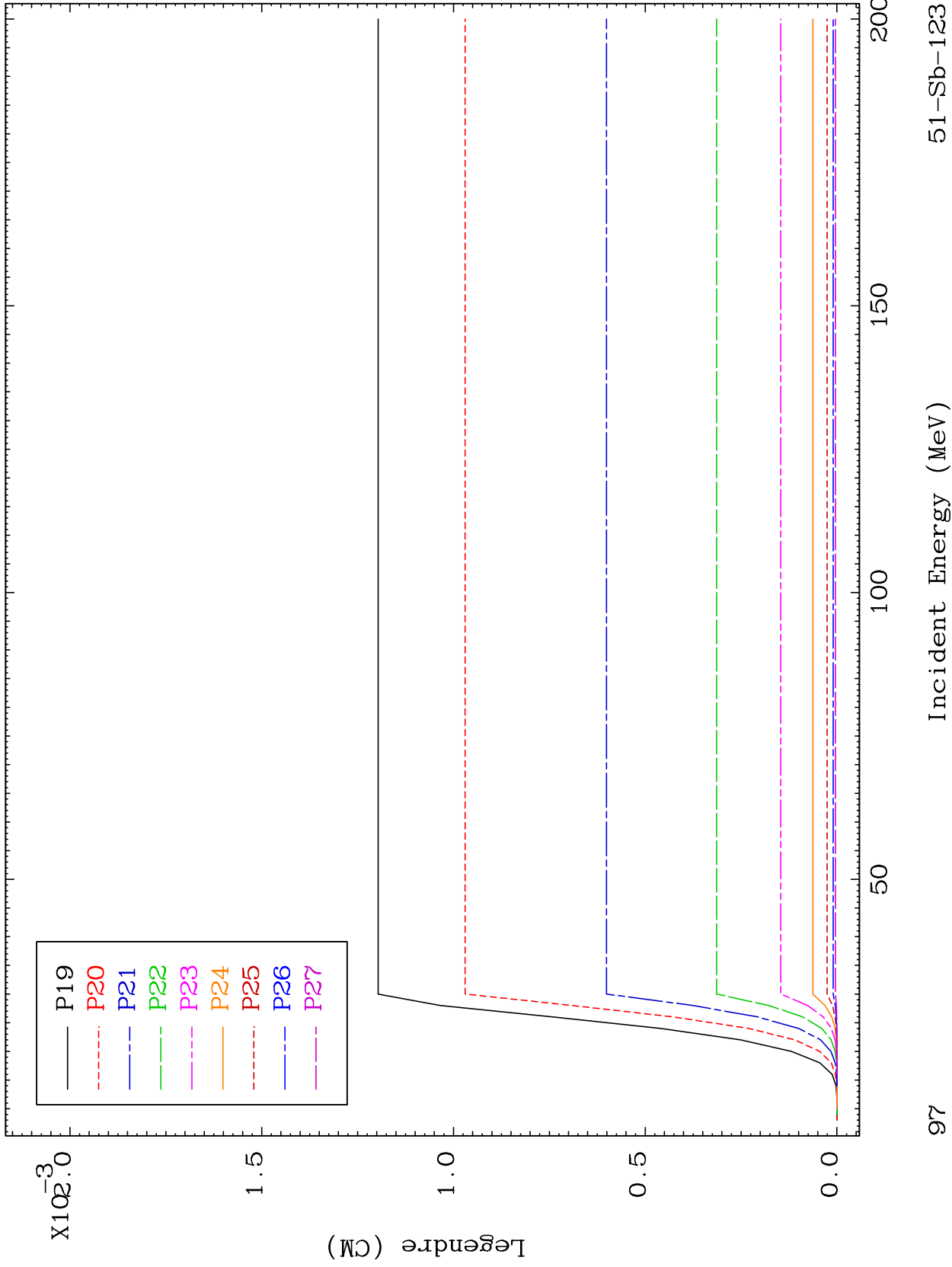
51-Sb-123

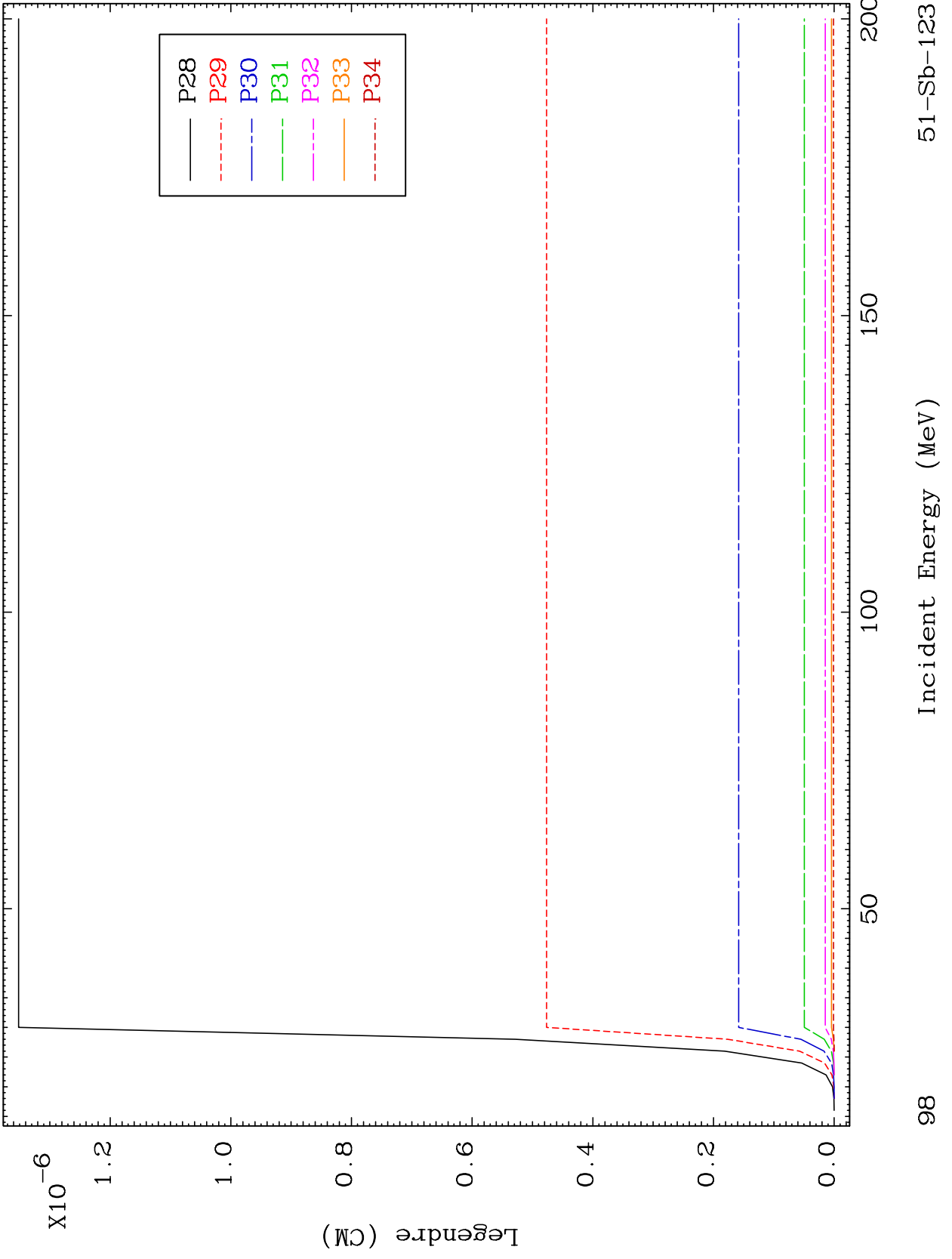


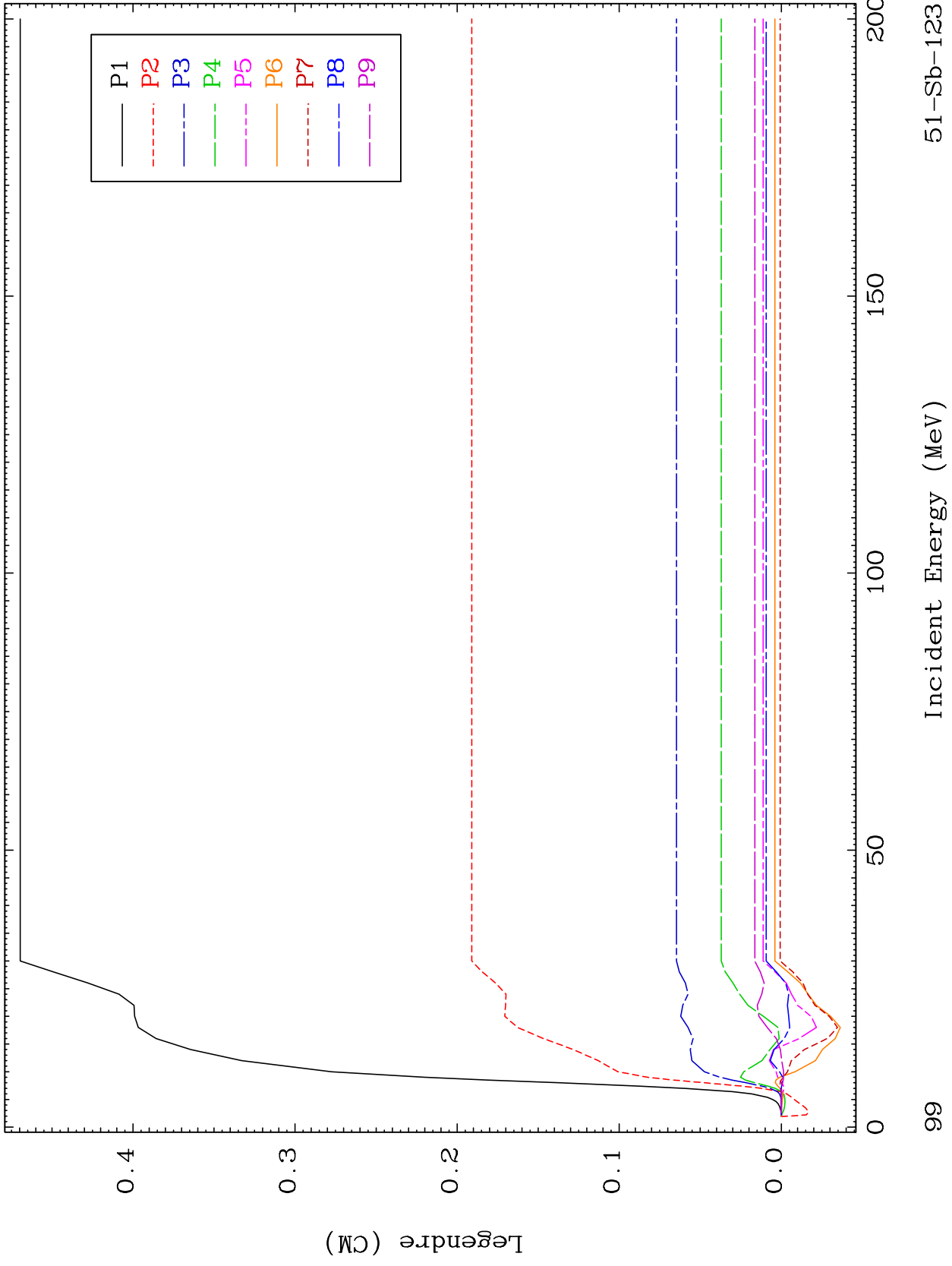
96

Incident Energy (MeV)

51-Sb-123



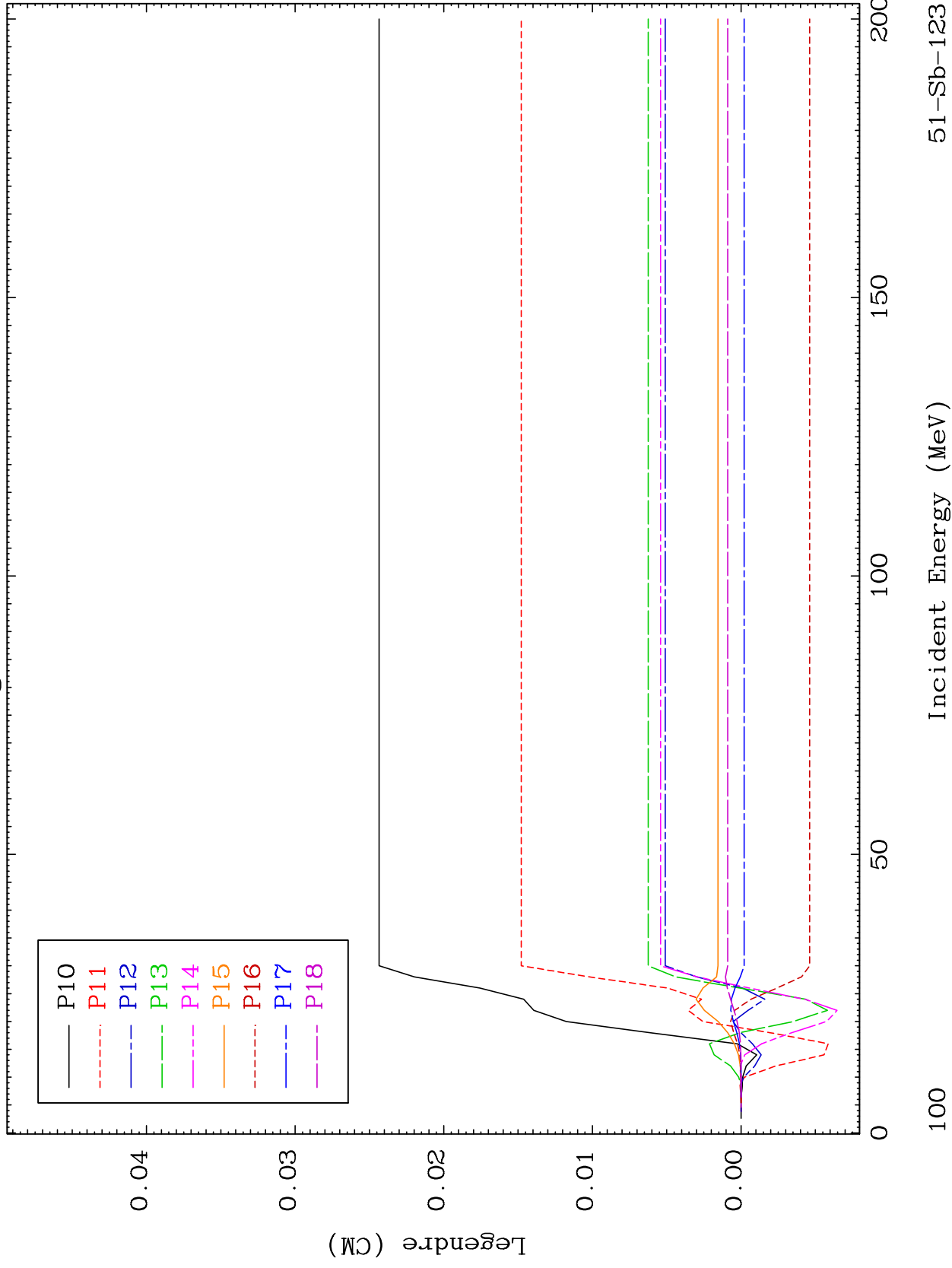




MAT 5131

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

51-Sb-123



51-Sb-123

Incident Energy (MeV)

100

50

100

150

200

Legendre (CM)

0.04

0.03

0.02

0.01

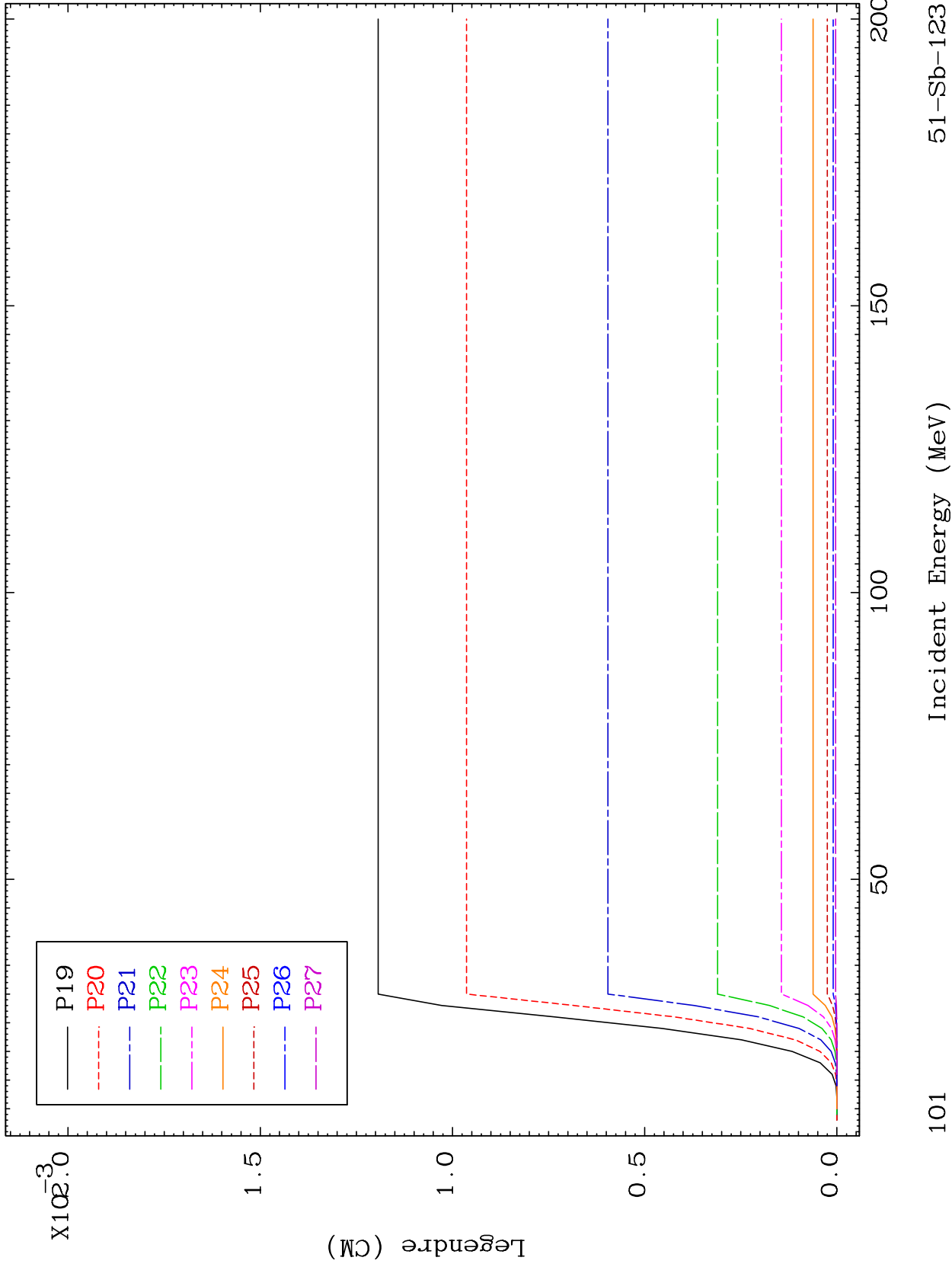
0.00

0

MAT 5131

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

51-Sb-123



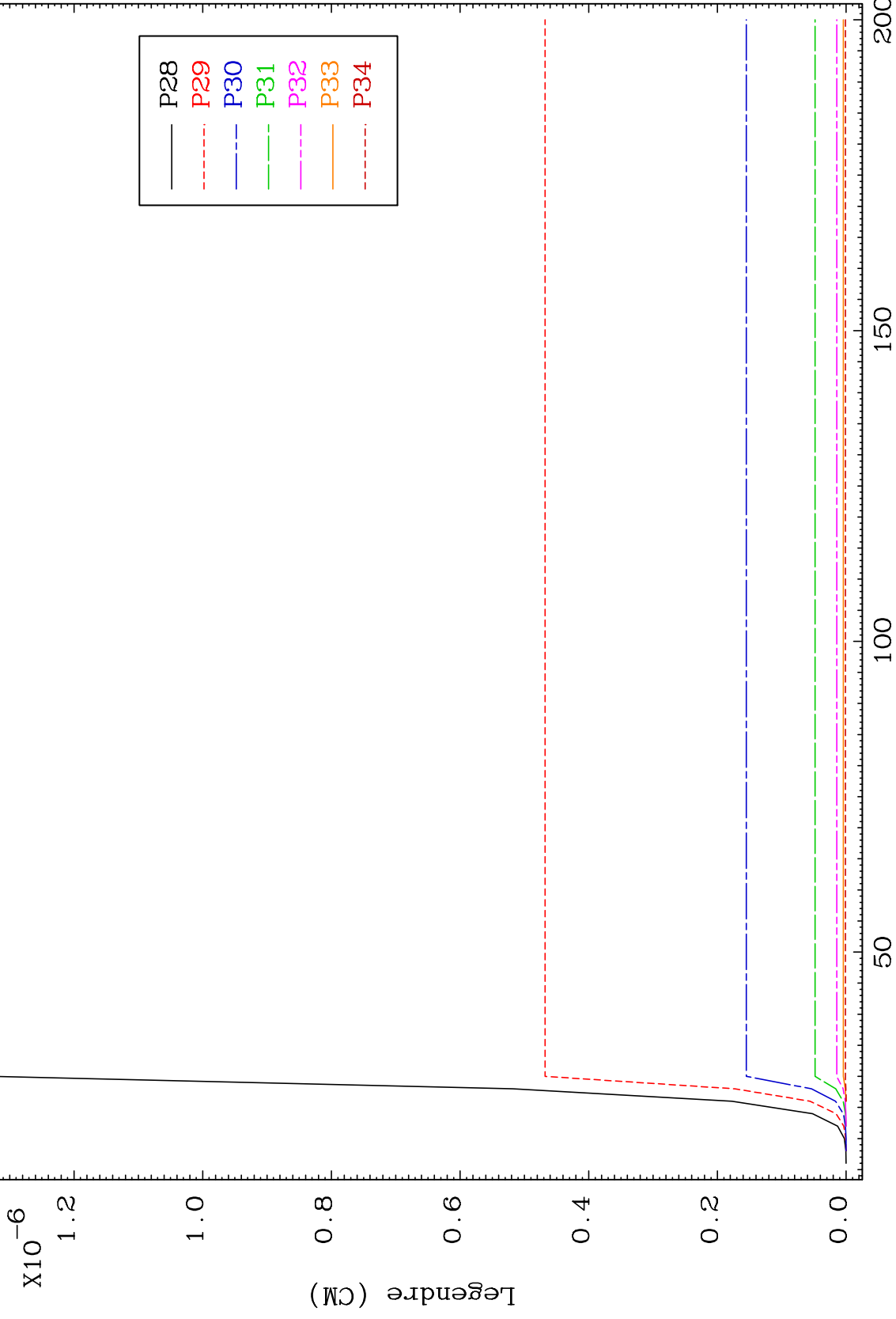
101

51-Sb-123

MAT 5131

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

51-Sb-123



102

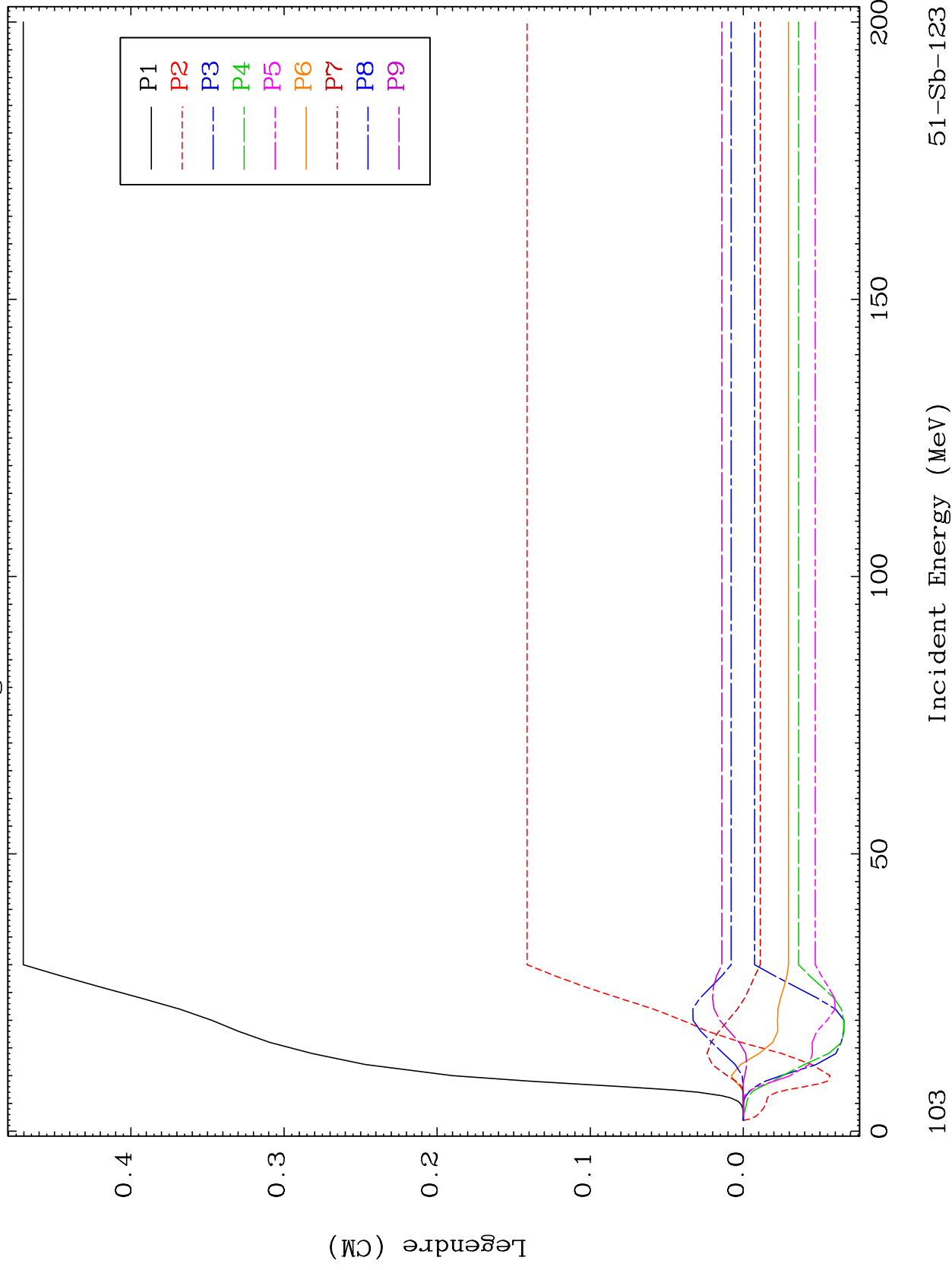
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

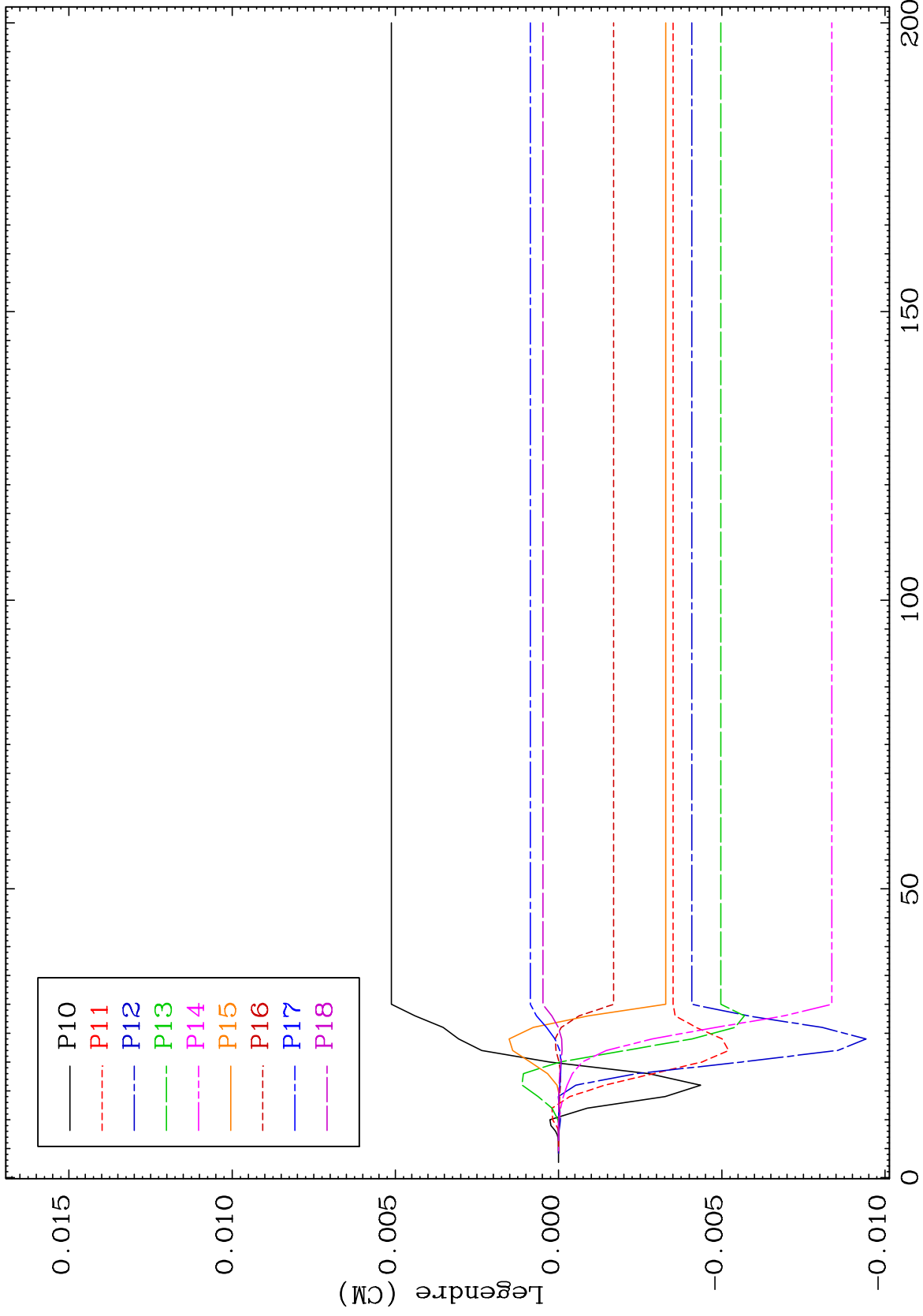
51-Sb-123



51-Sb-123

Incident Energy (MeV)

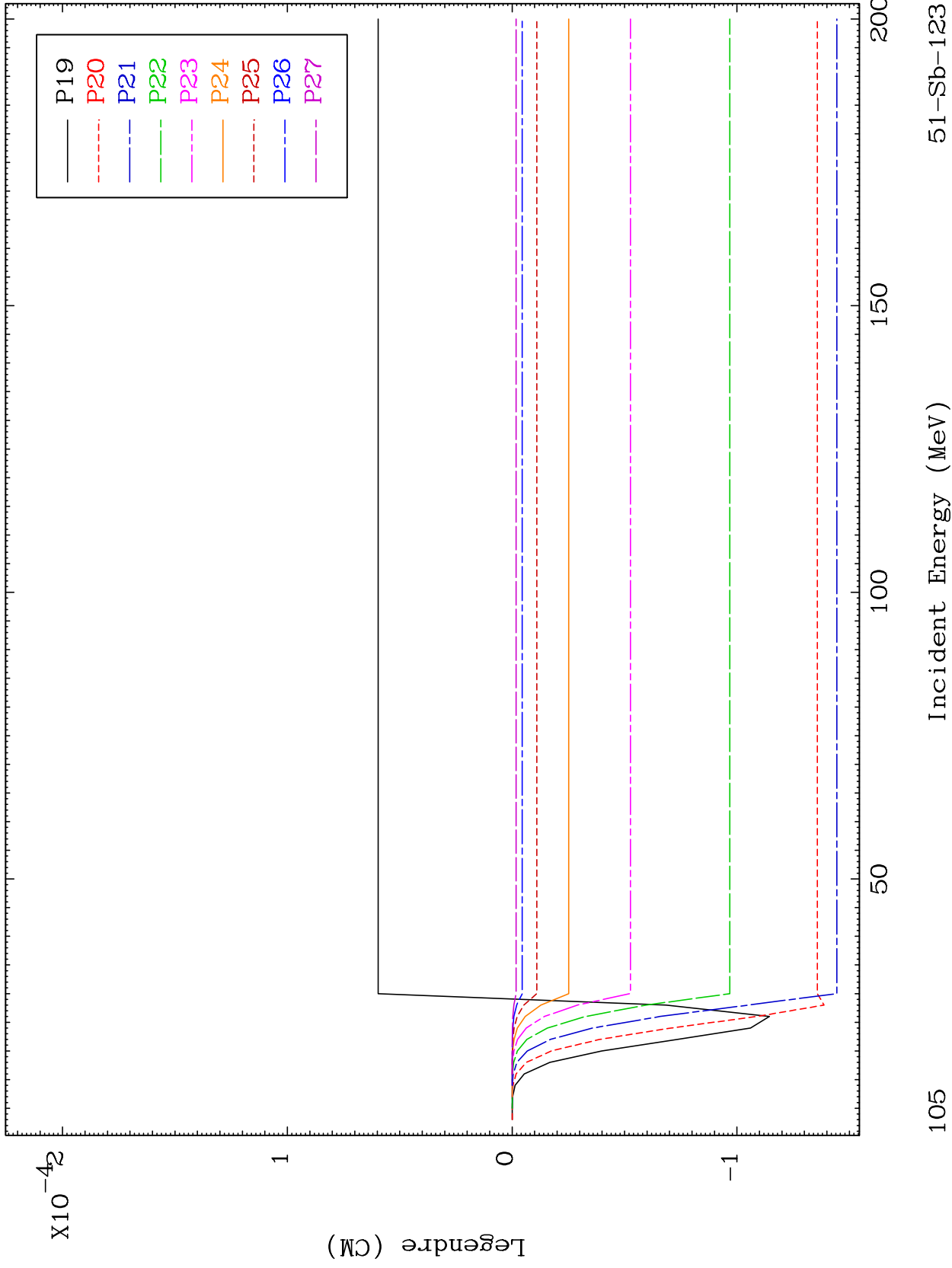
103



MAT 5131

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

51-Sb-123



105

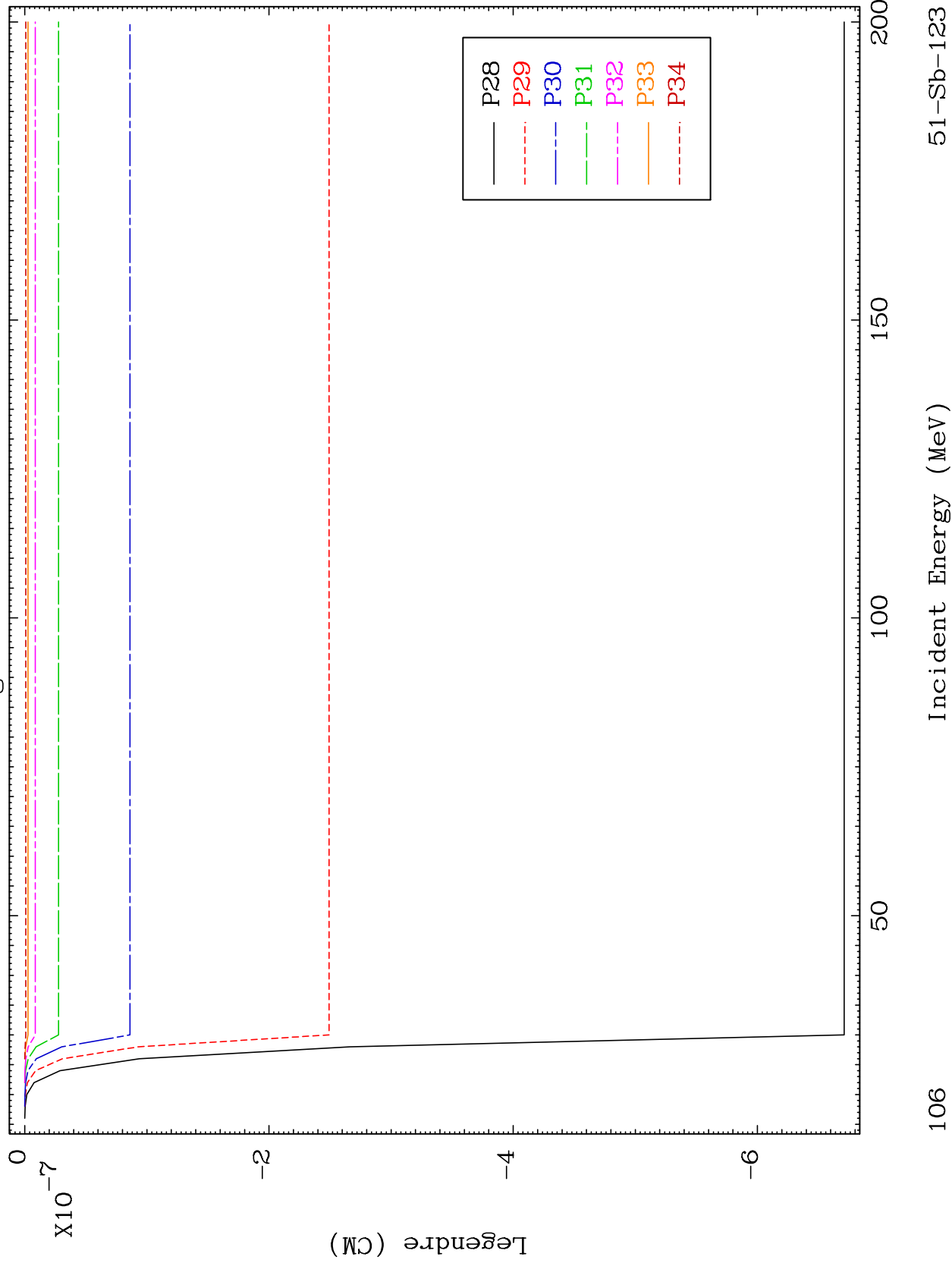
Incident Energy (MeV)

51-Sb-123

MAT 5131

51-Sb-123

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



106

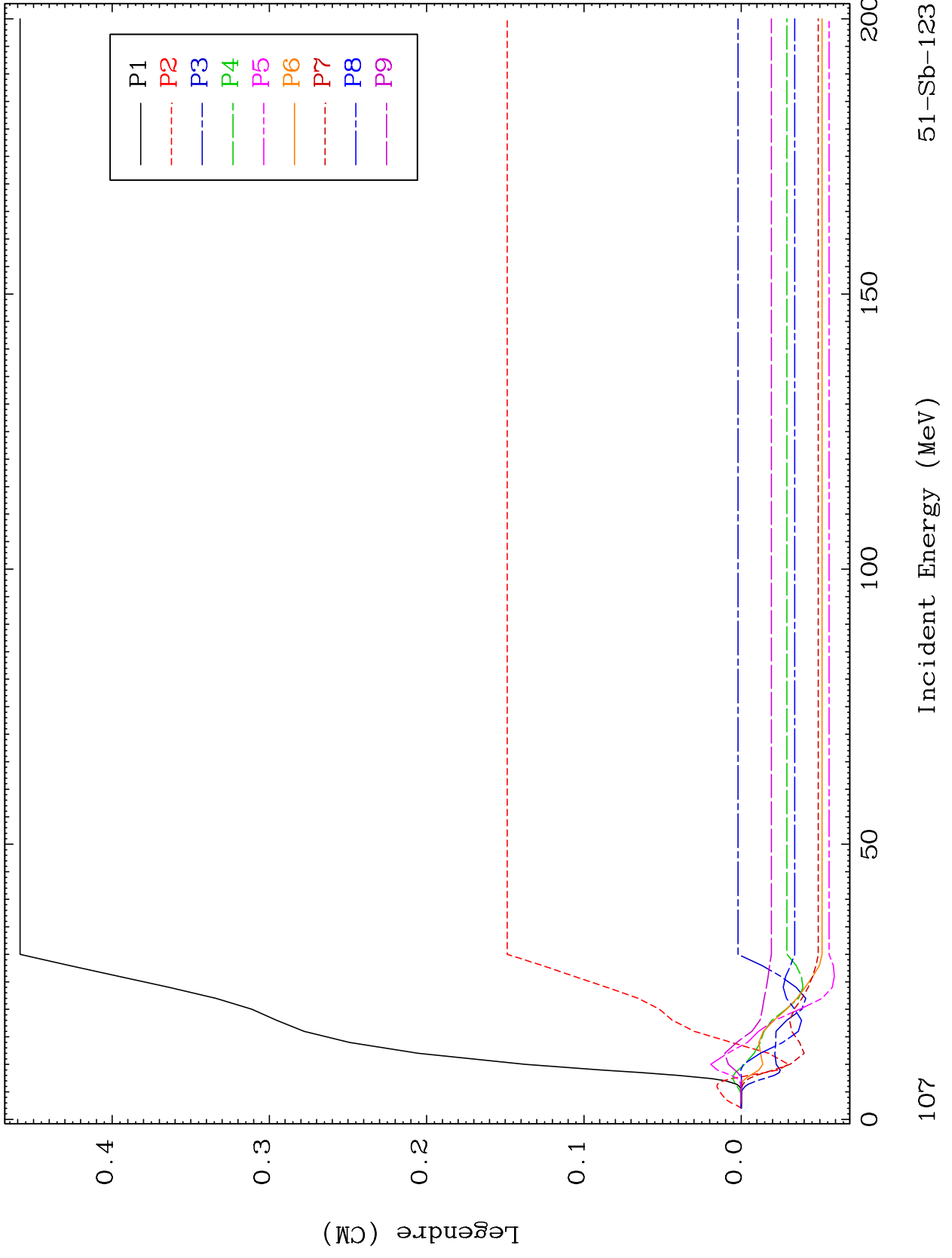
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



51-Sb-123

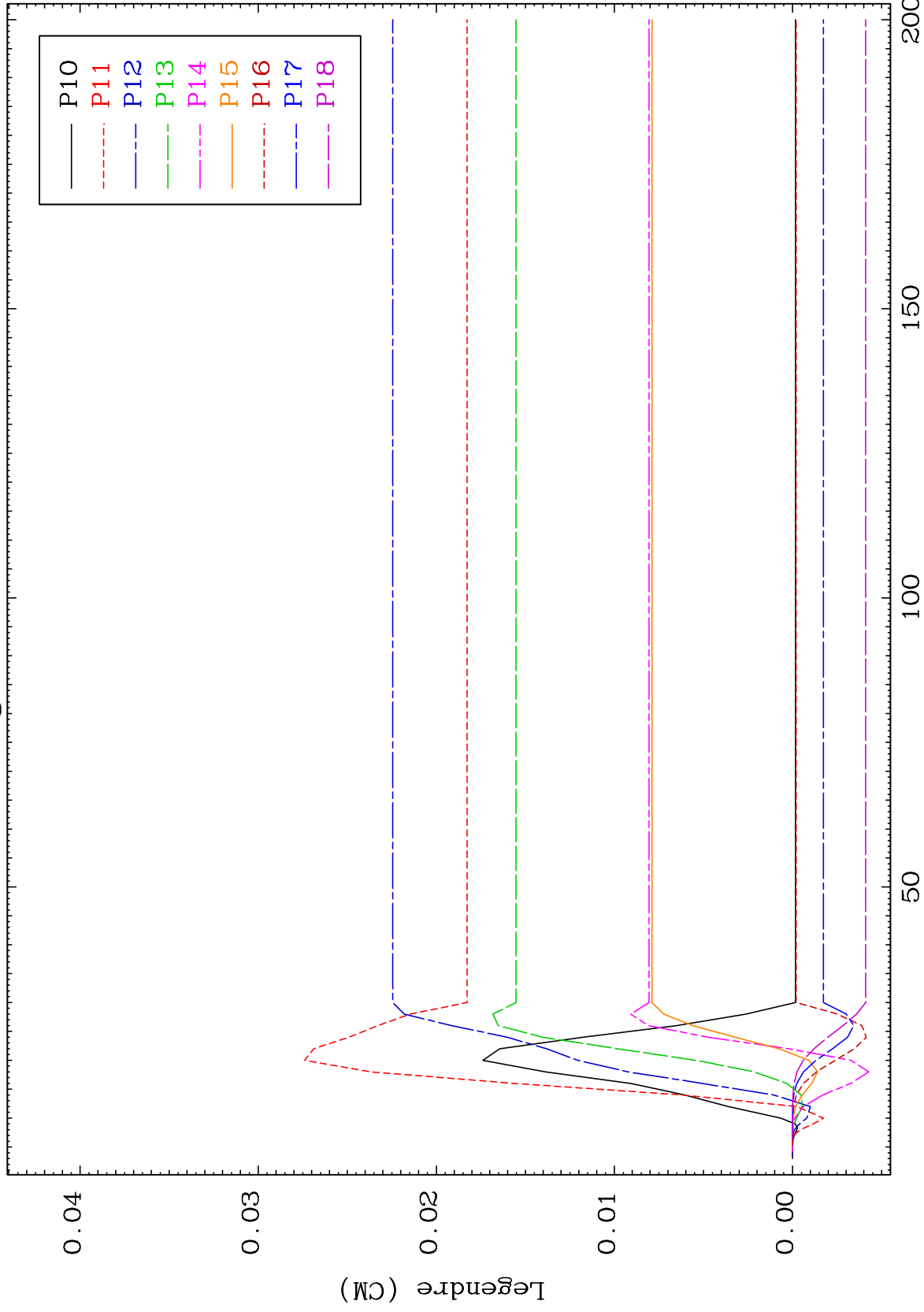
Incident Energy (MeV)

107

MAT 5131

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

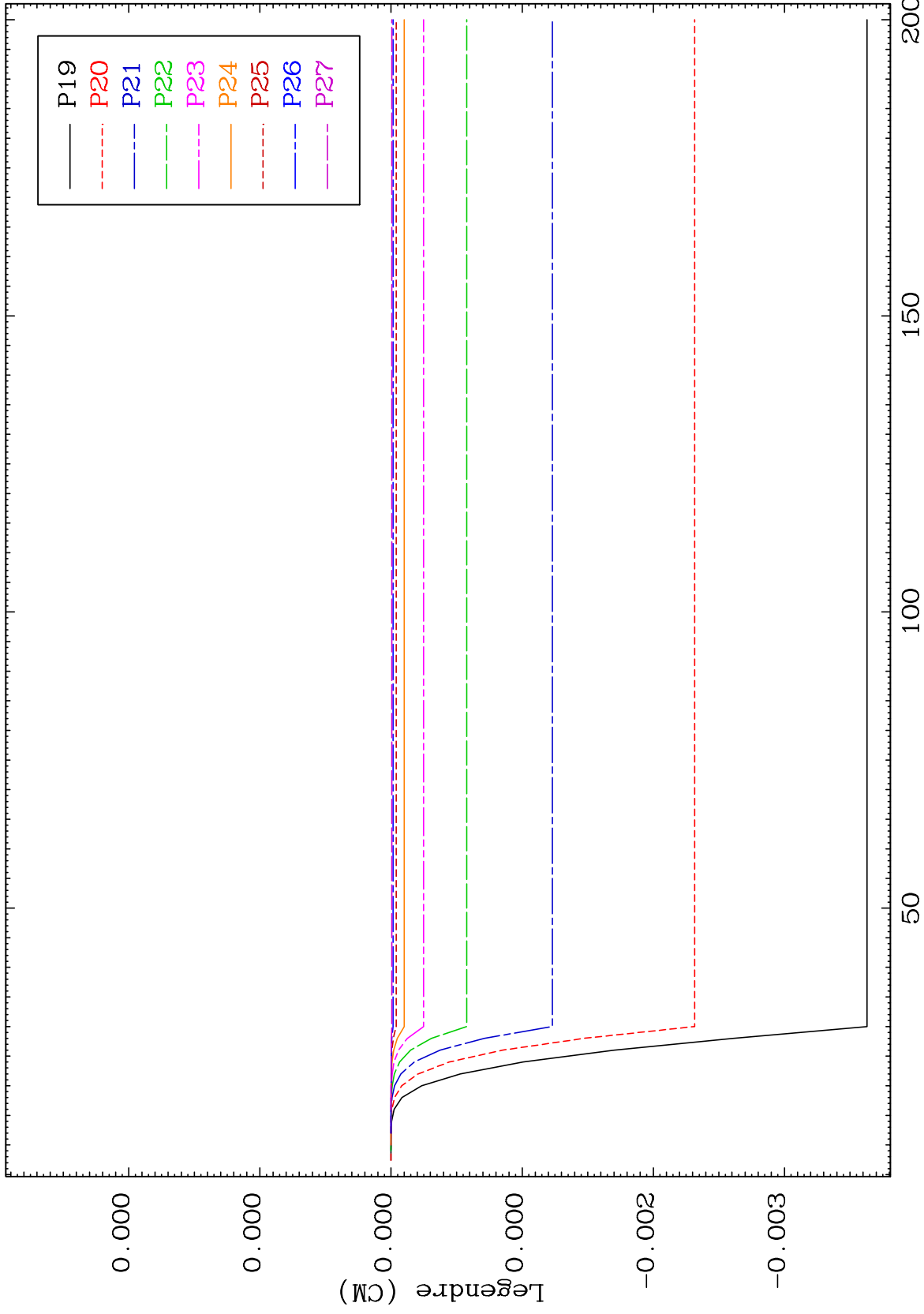
51-Sb-123



108

Incident Energy (MeV)

51-Sb-123

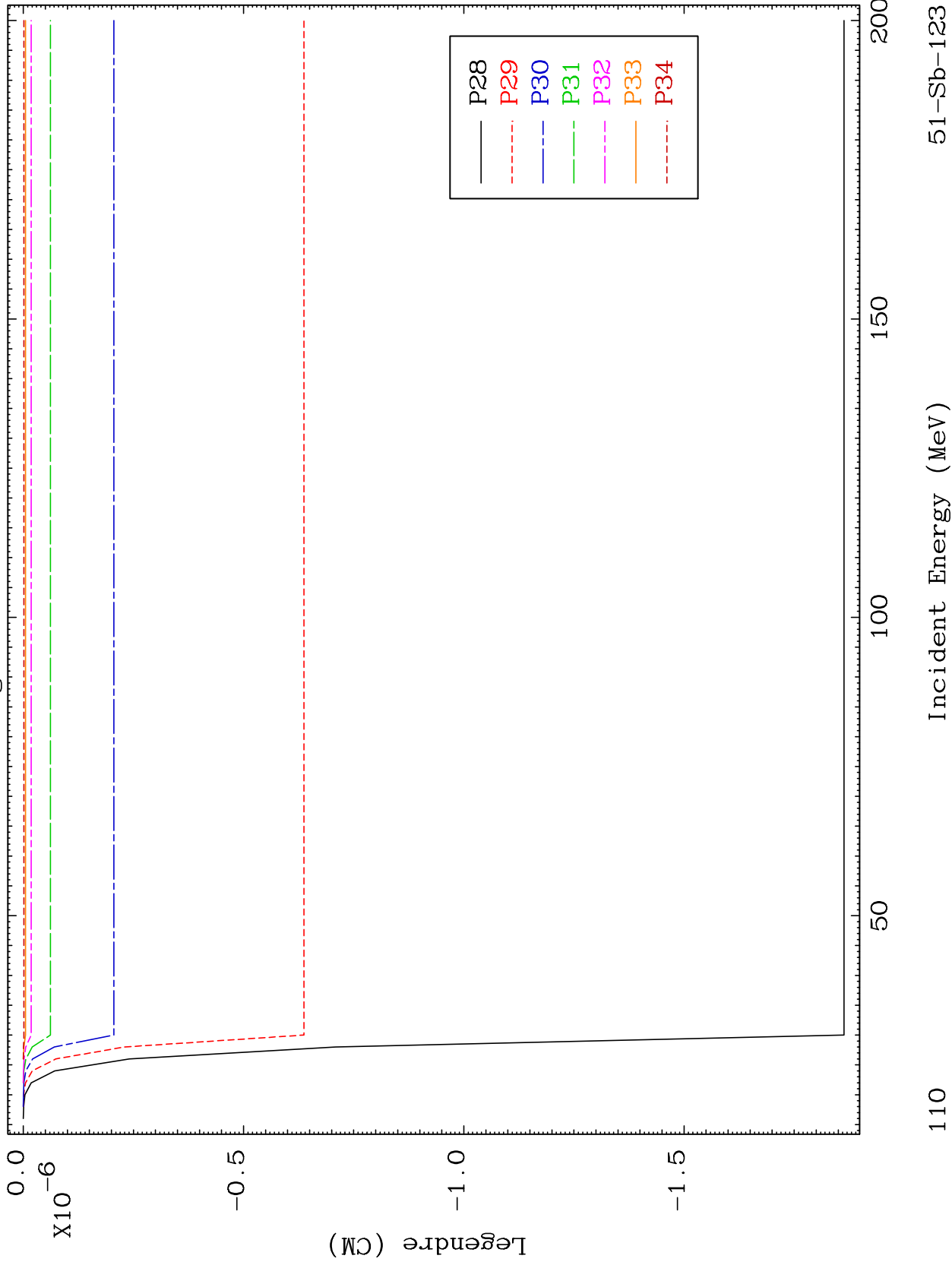


MAT 5131

MT= 73 (n,n') Level

51-Sb-123

Legendre Coefficients



110

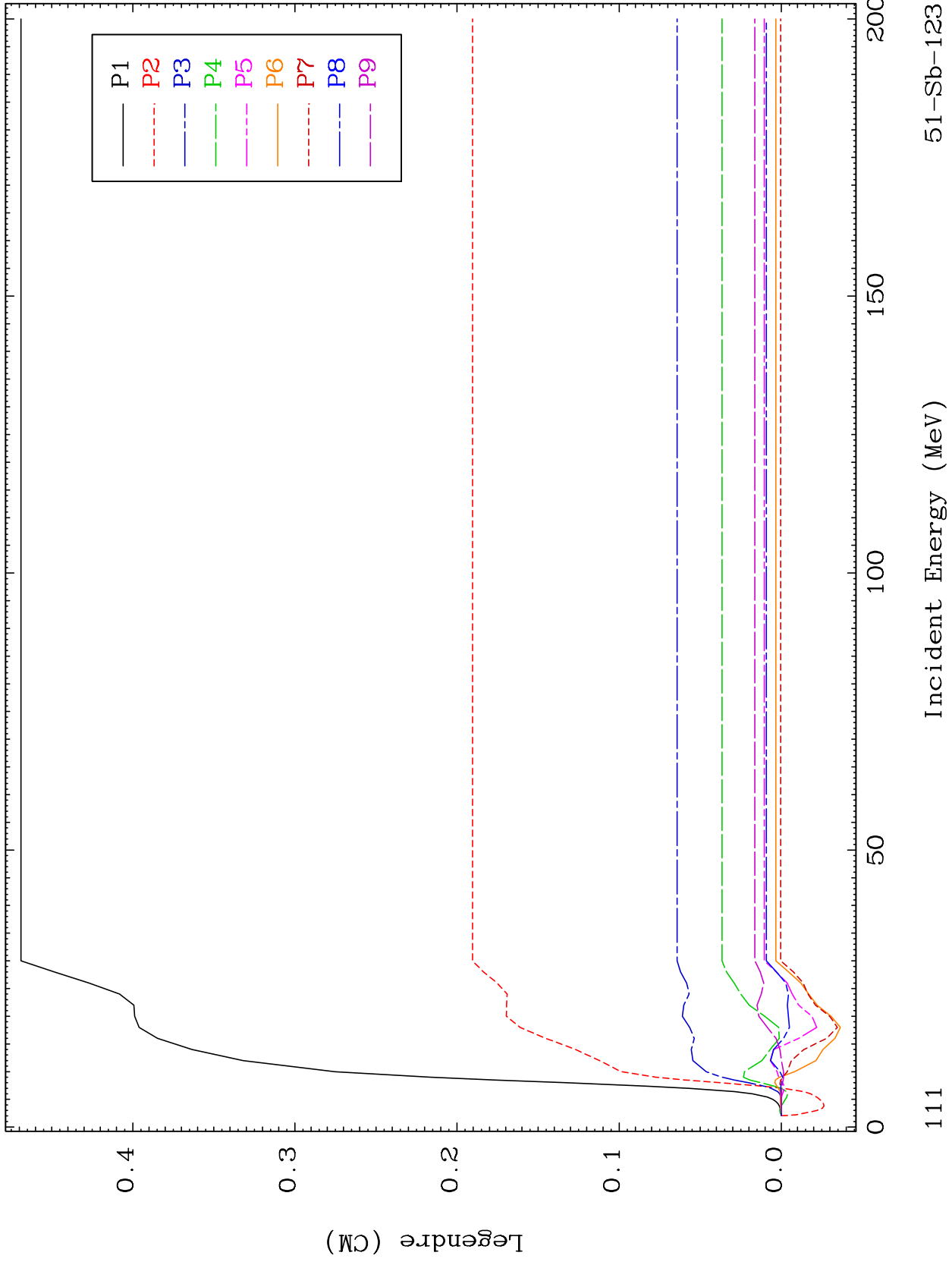
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



51-Sb-123

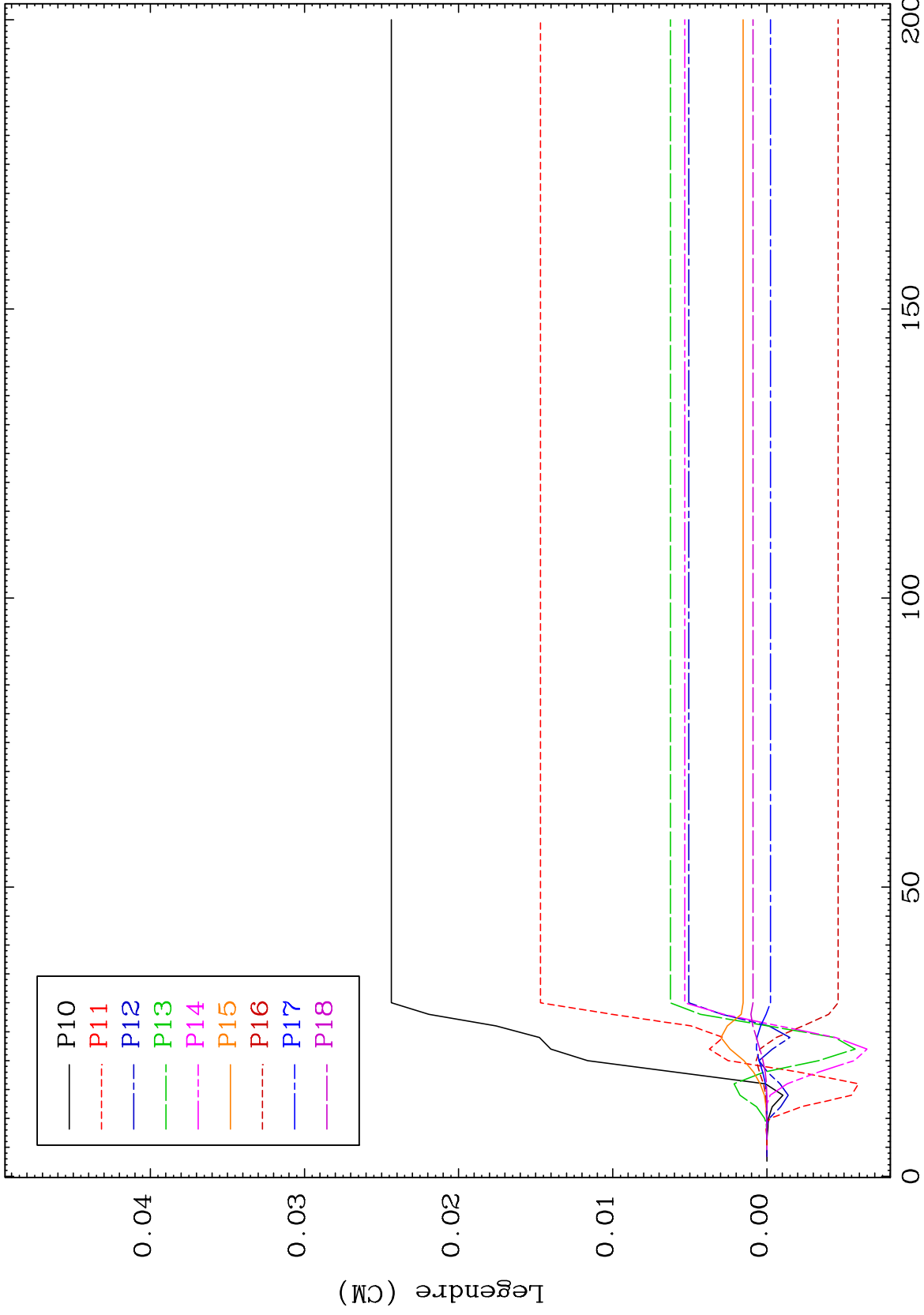
Incident Energy (MeV)

111

MAT 5131

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

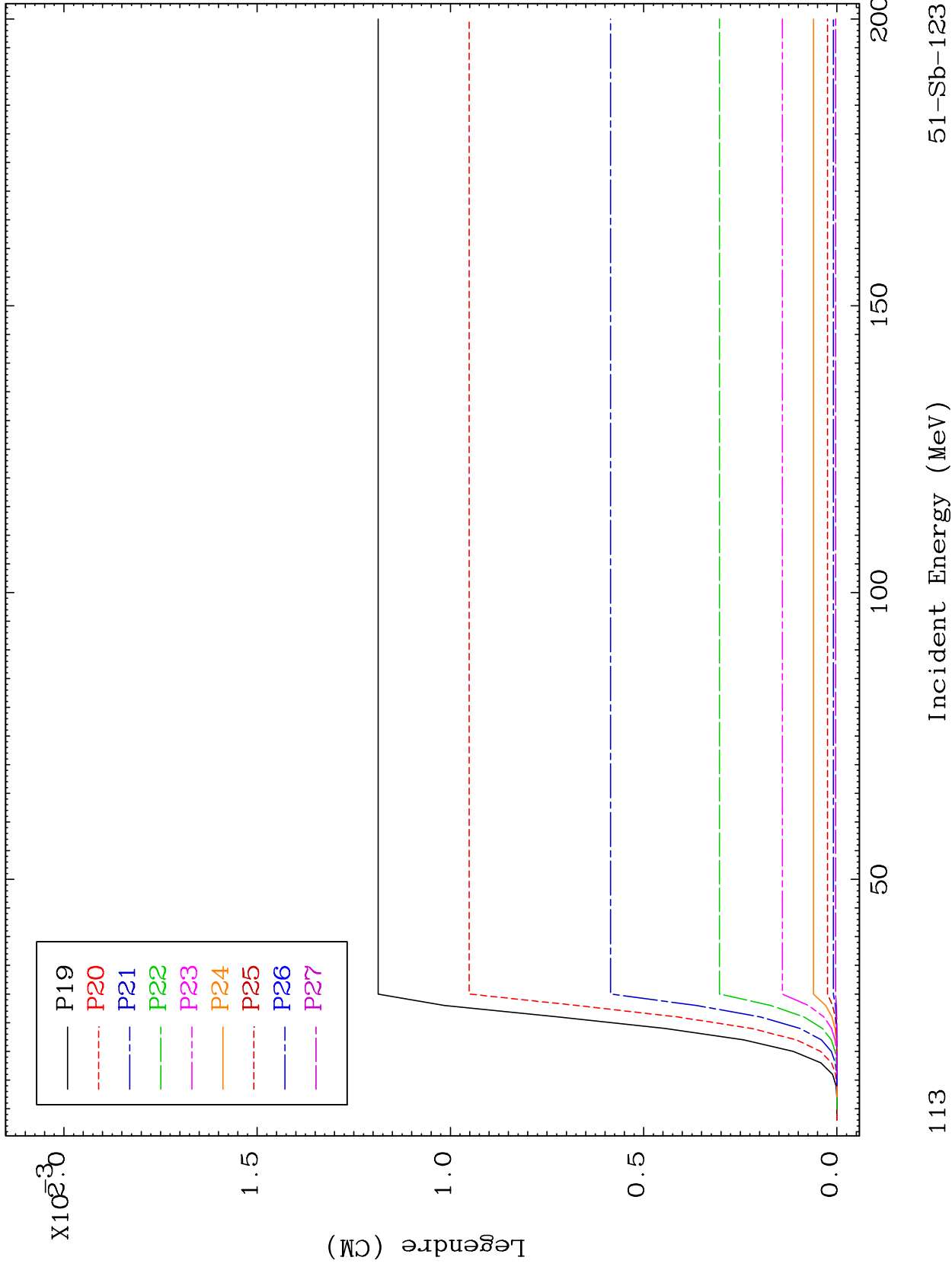
51-Sb-123



112

Incident Energy (MeV)

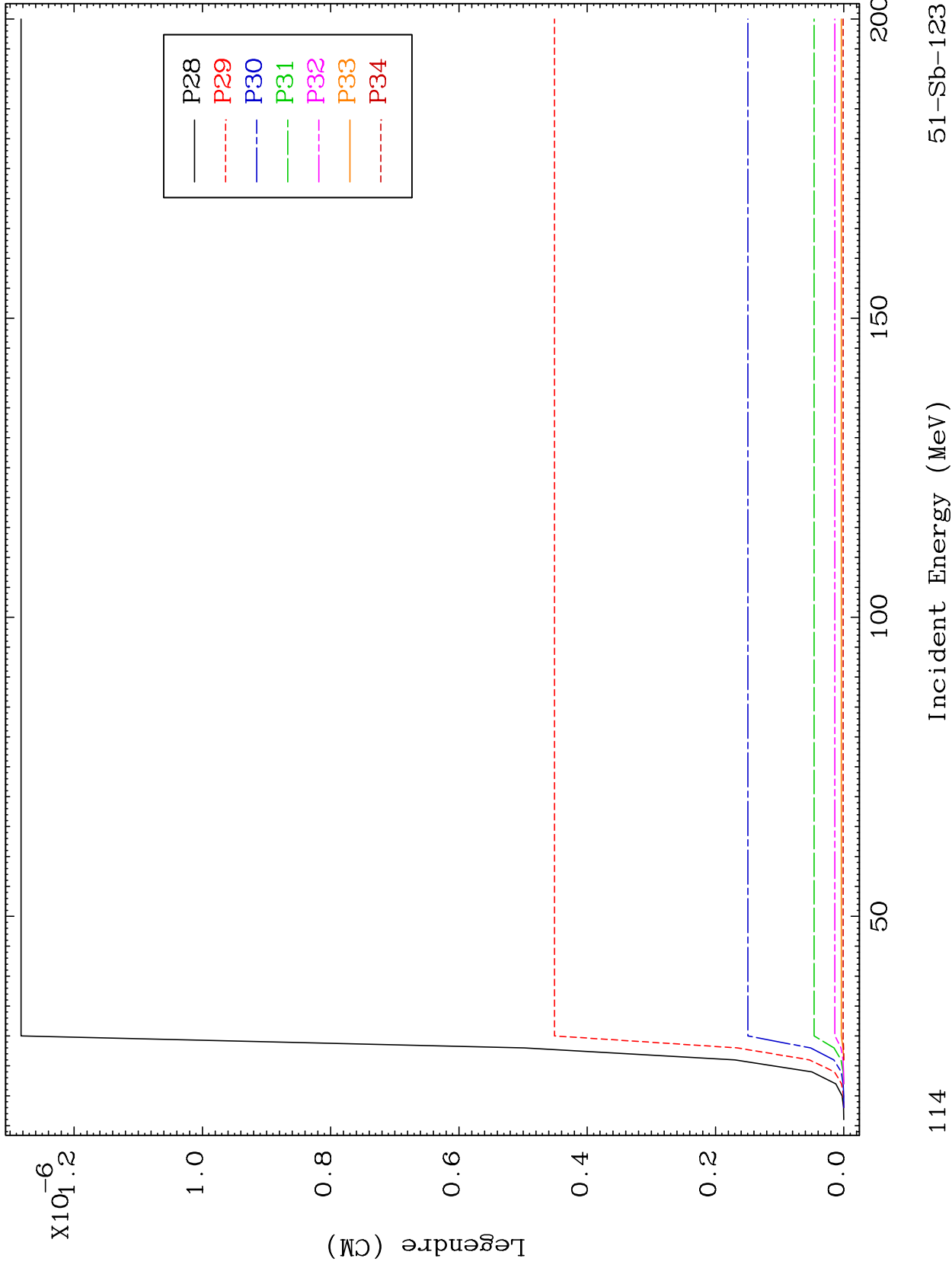
51-Sb-123



MAT 5131

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

51-Sb-123

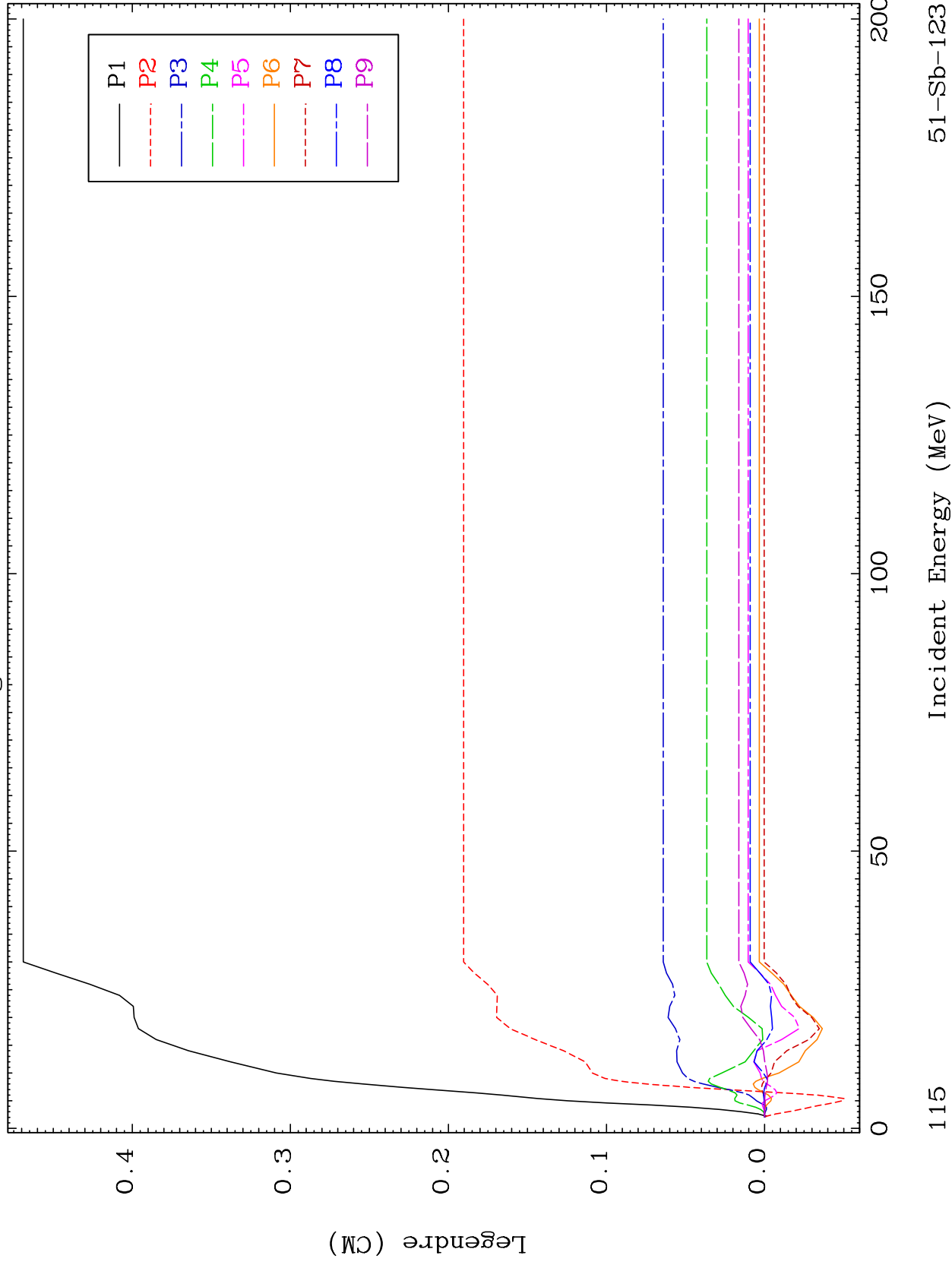


114

MAT 5131

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

51-Sb-123



51-Sb-123

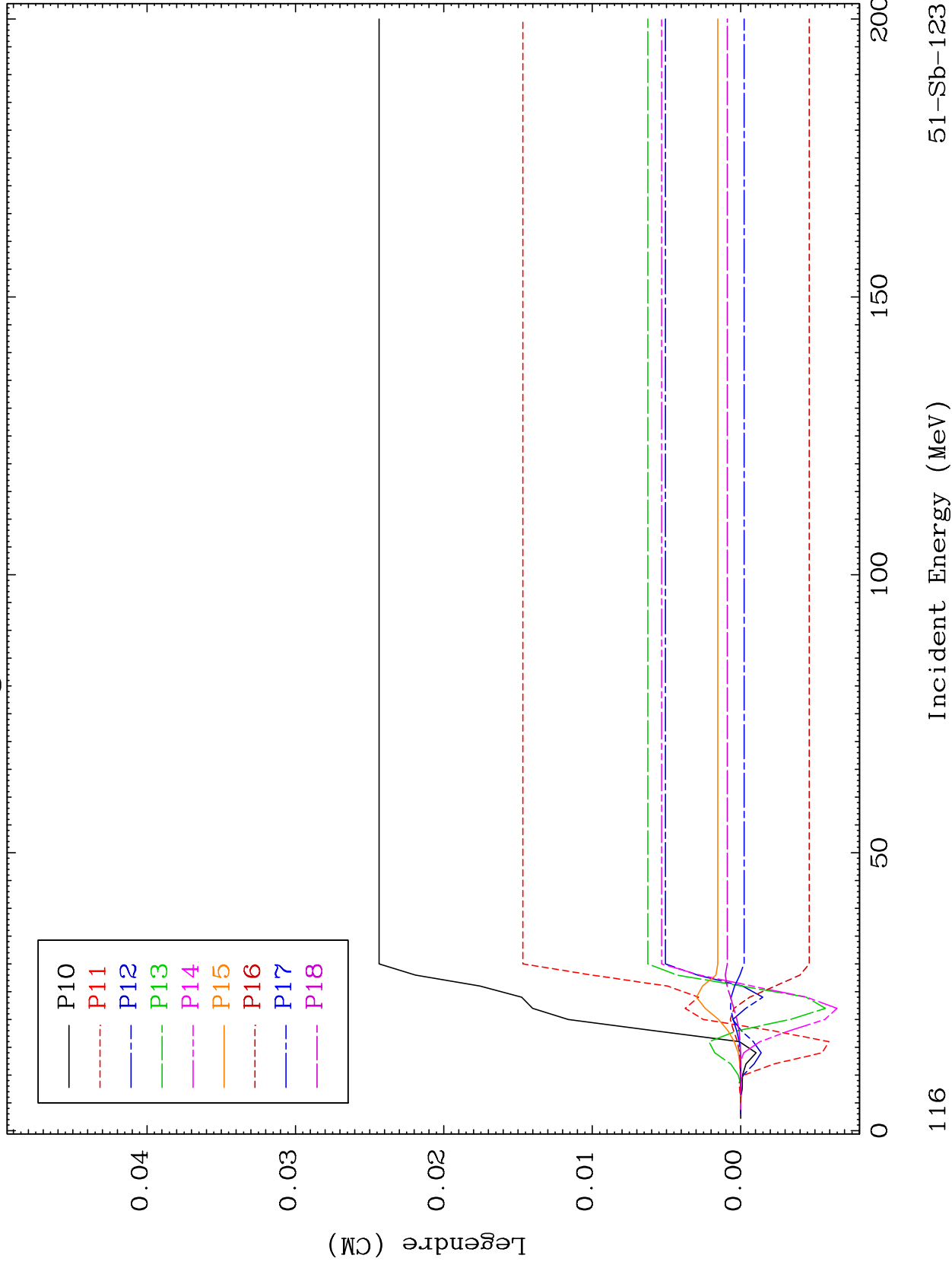
Incident Energy (MeV)

115

MAT 5131

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

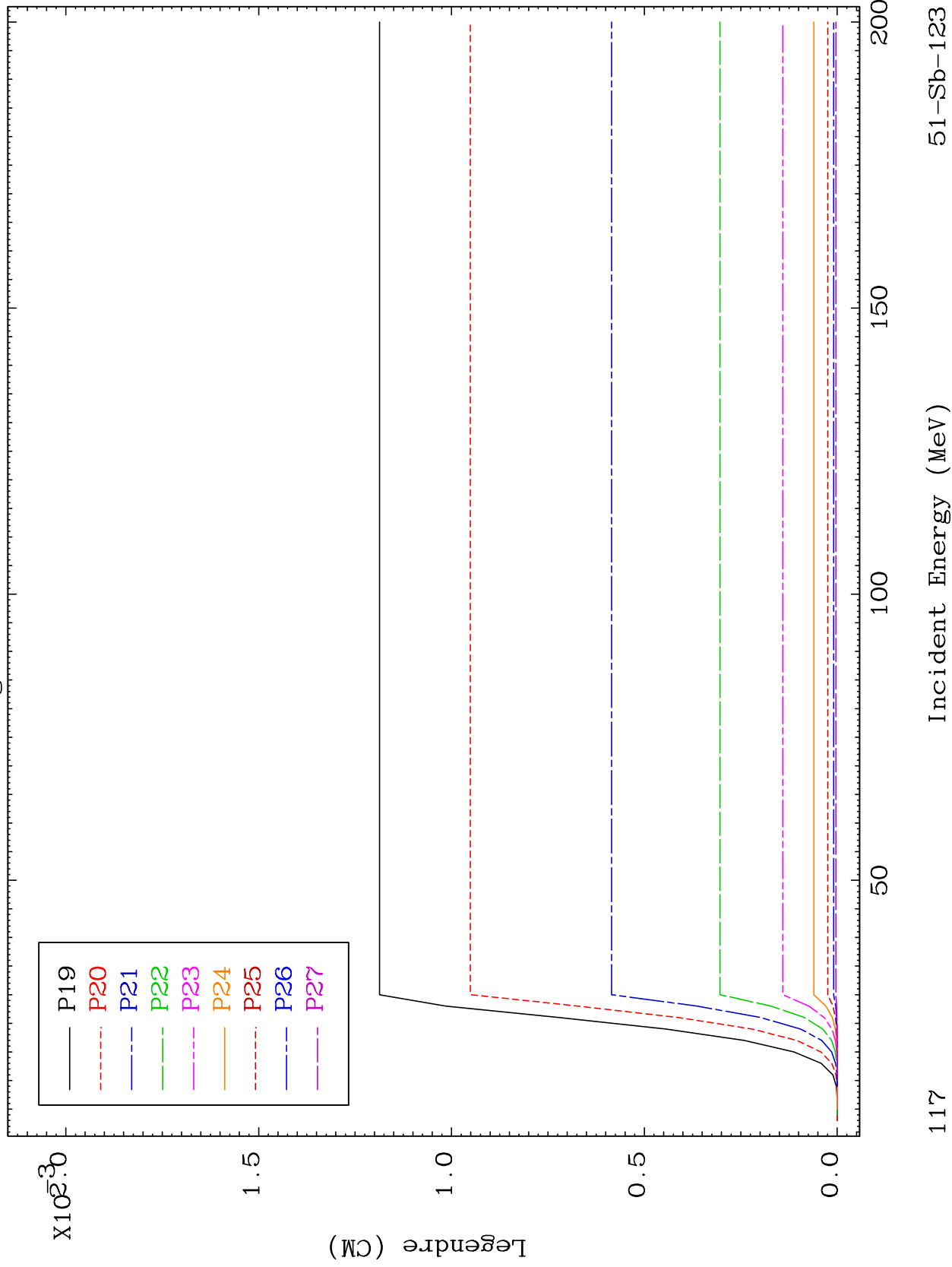
51-Sb-123



116

Incident Energy (MeV)

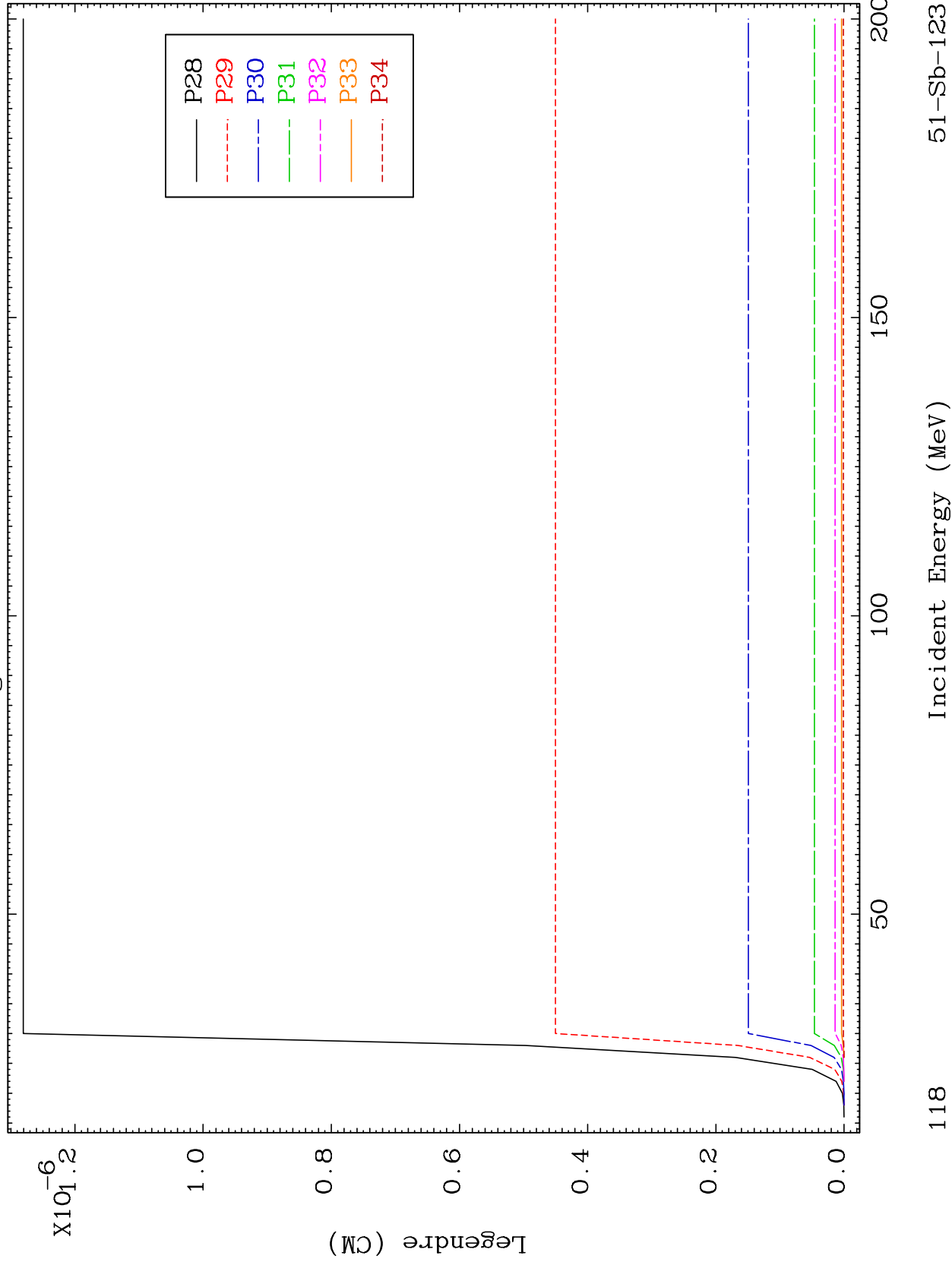
51-Sb-123



MAT 5131

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

51-Sb-123

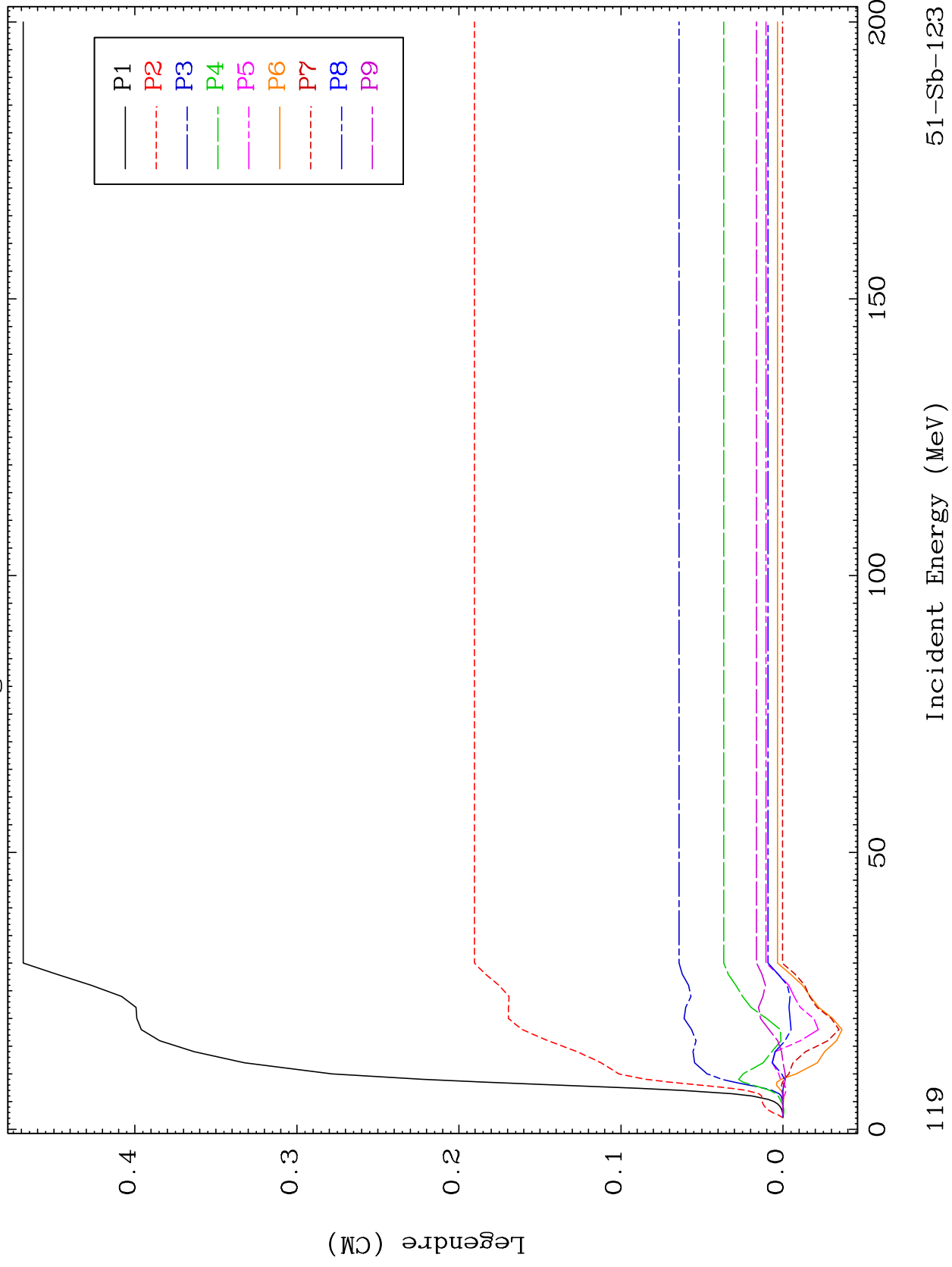


118

MAT 5131

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

51-Sb-123



51-Sb-123

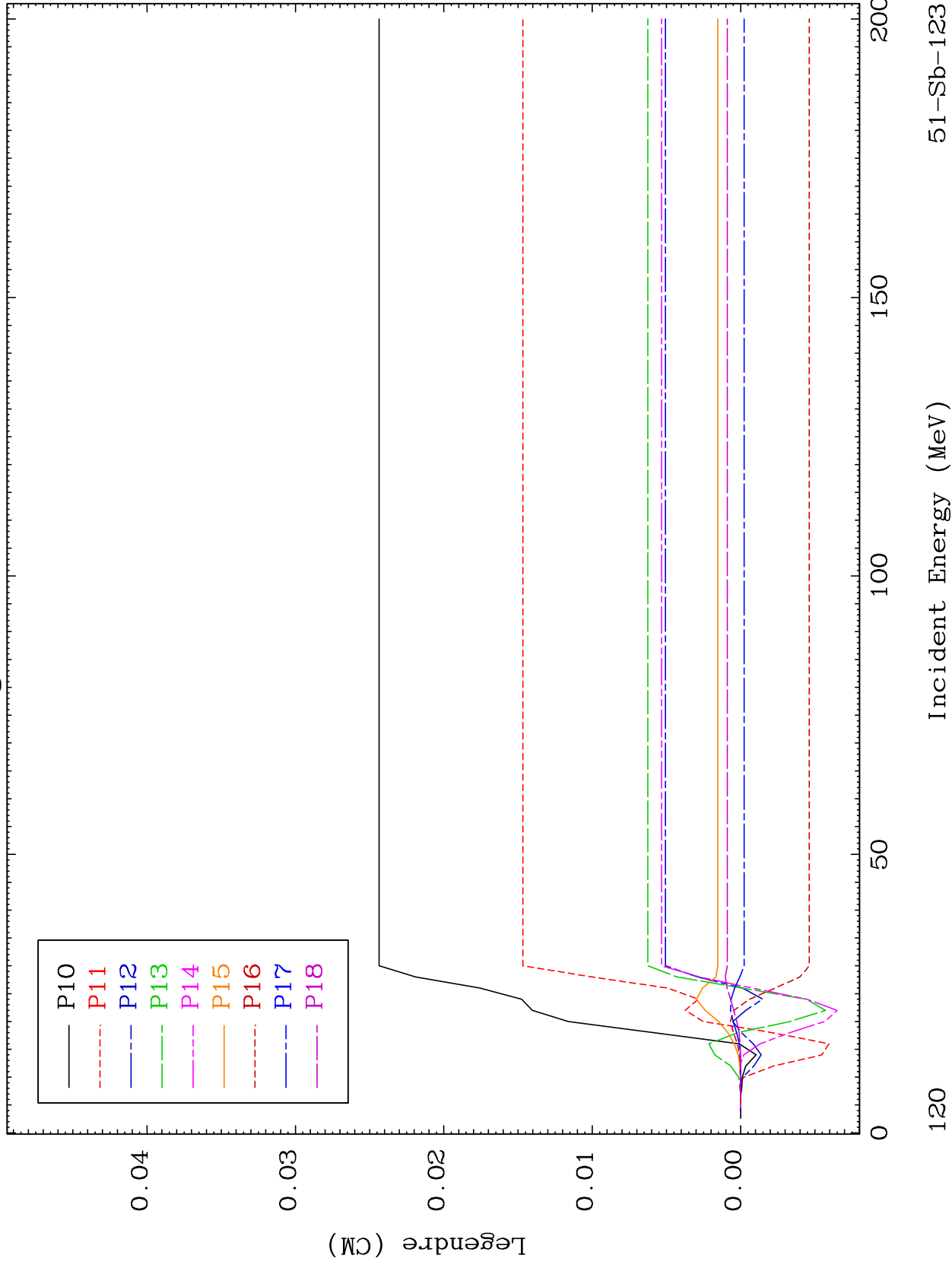
Incident Energy (MeV)

119

MAT 5131

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

51-Sb-123



51-Sb-123

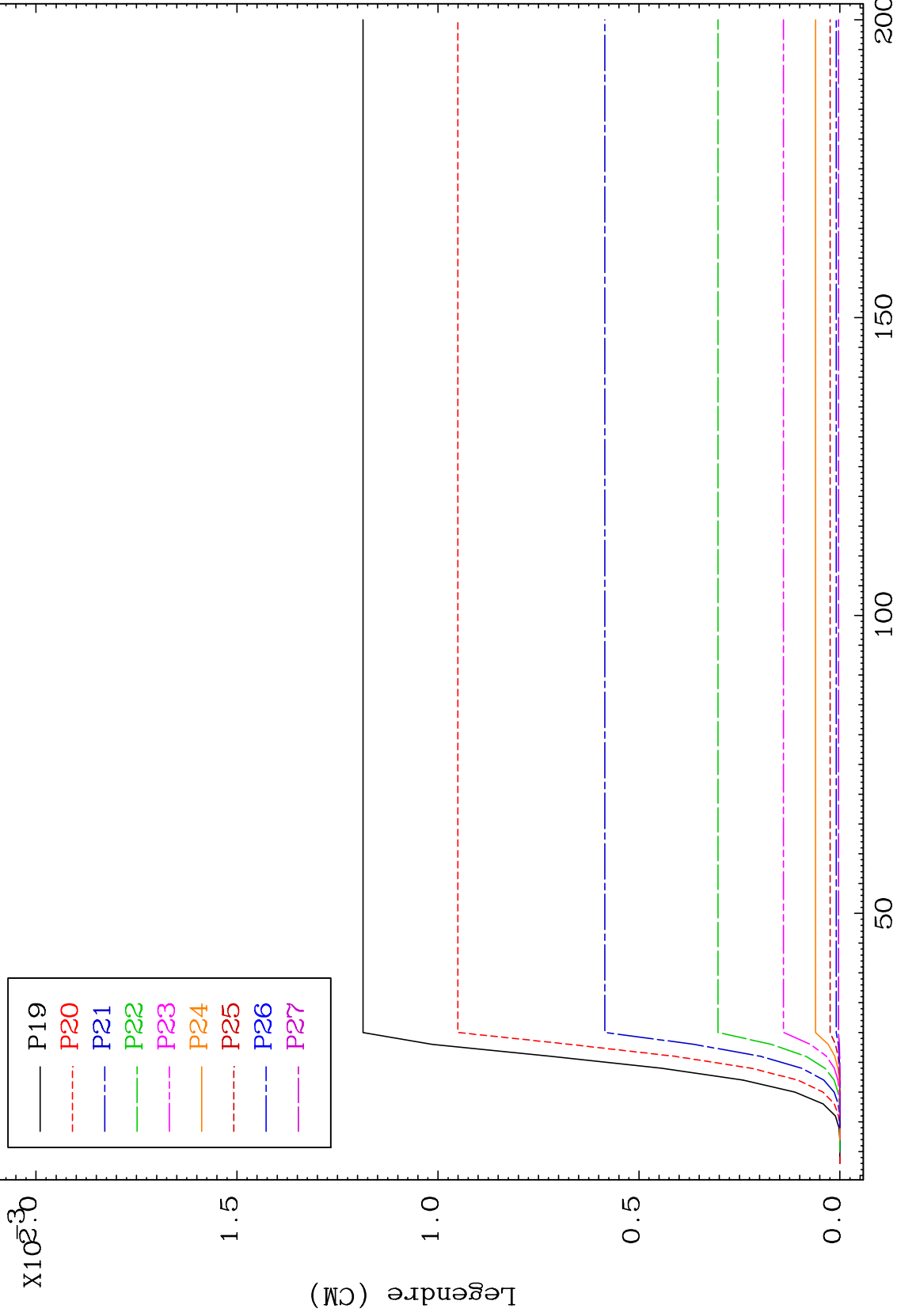
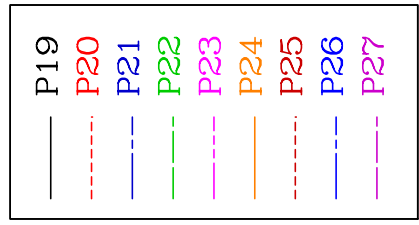
Incident Energy (MeV)

120

MAT 5131

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

51-Sb-123



121

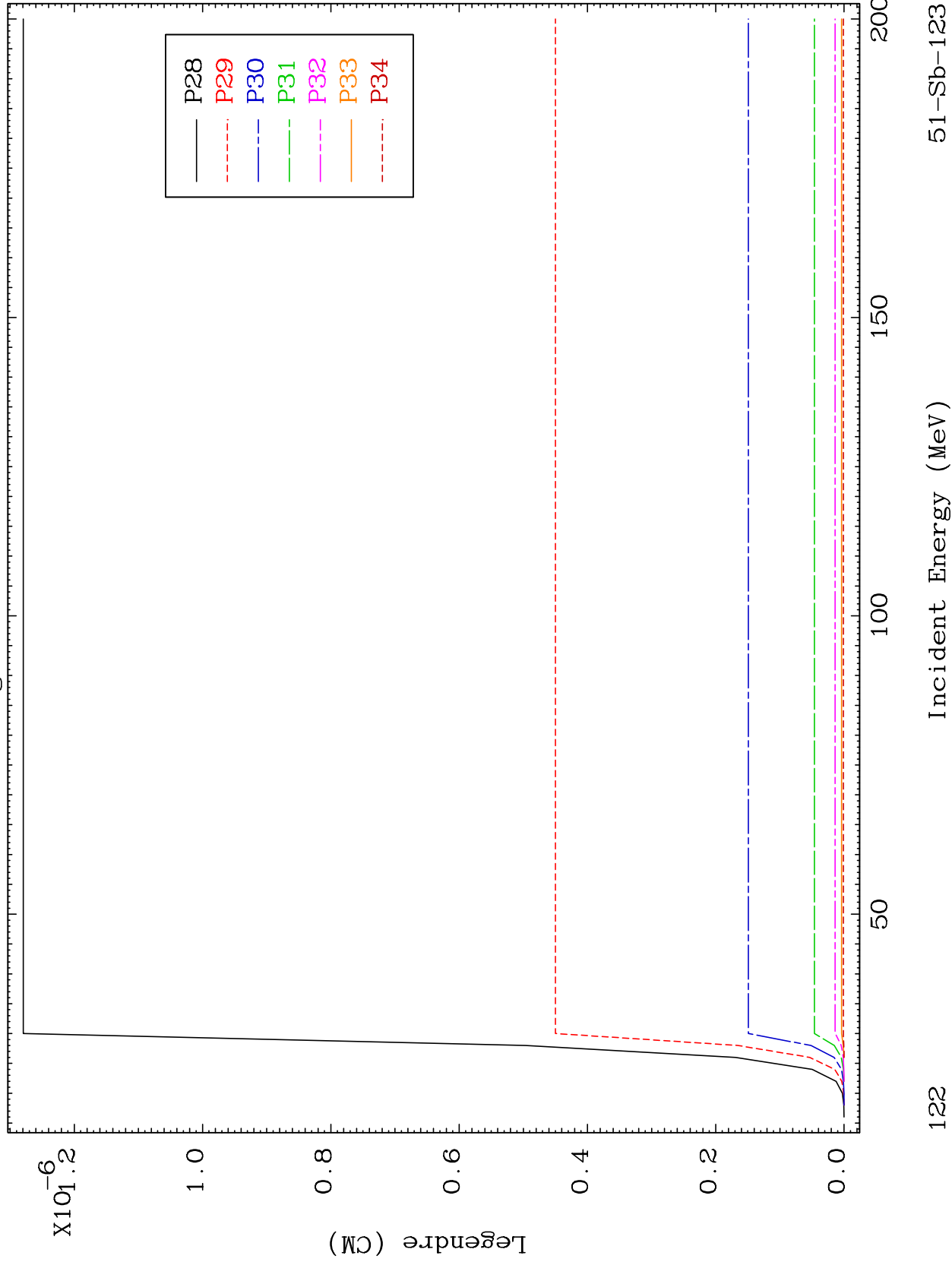
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



122

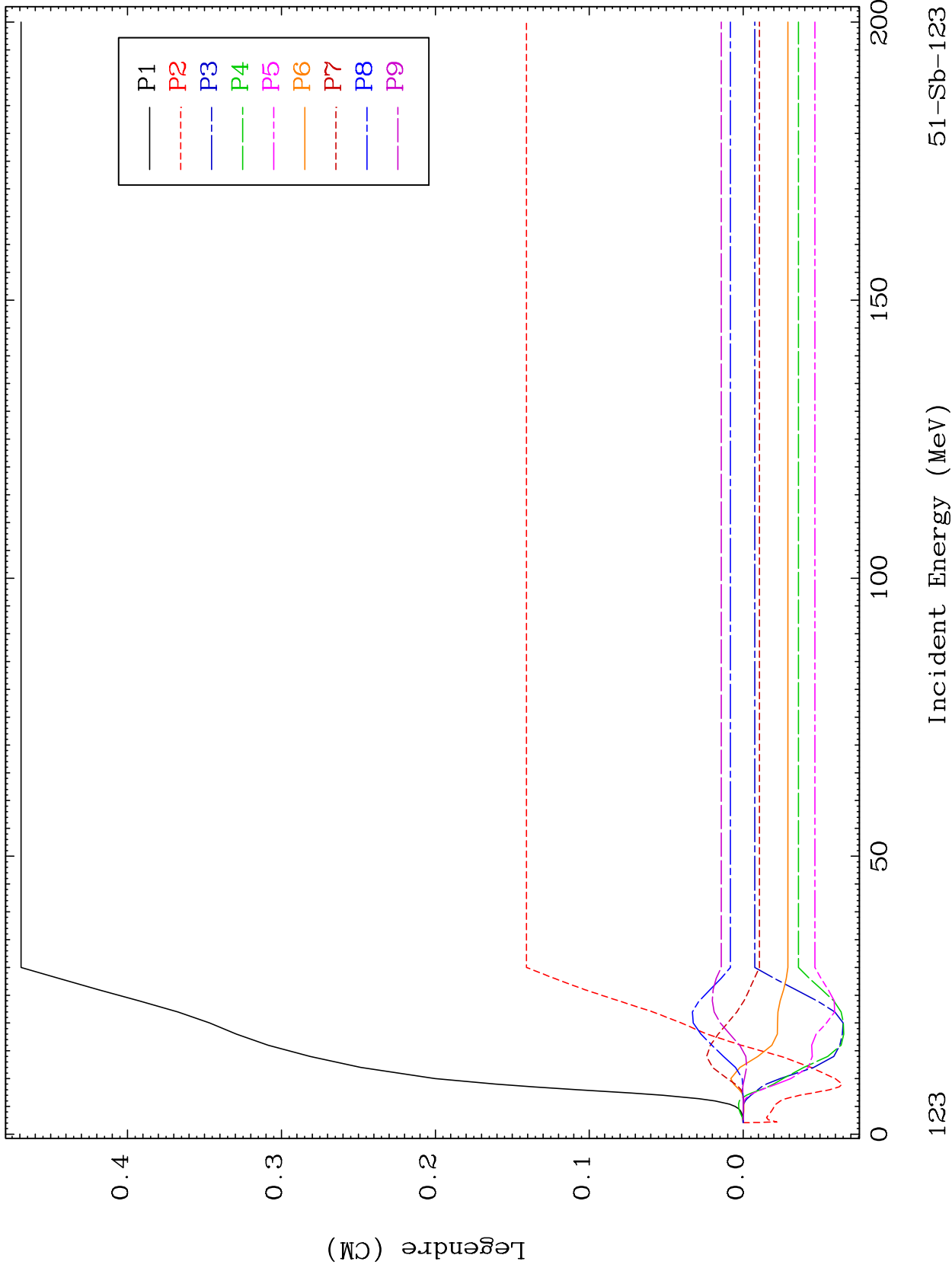
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

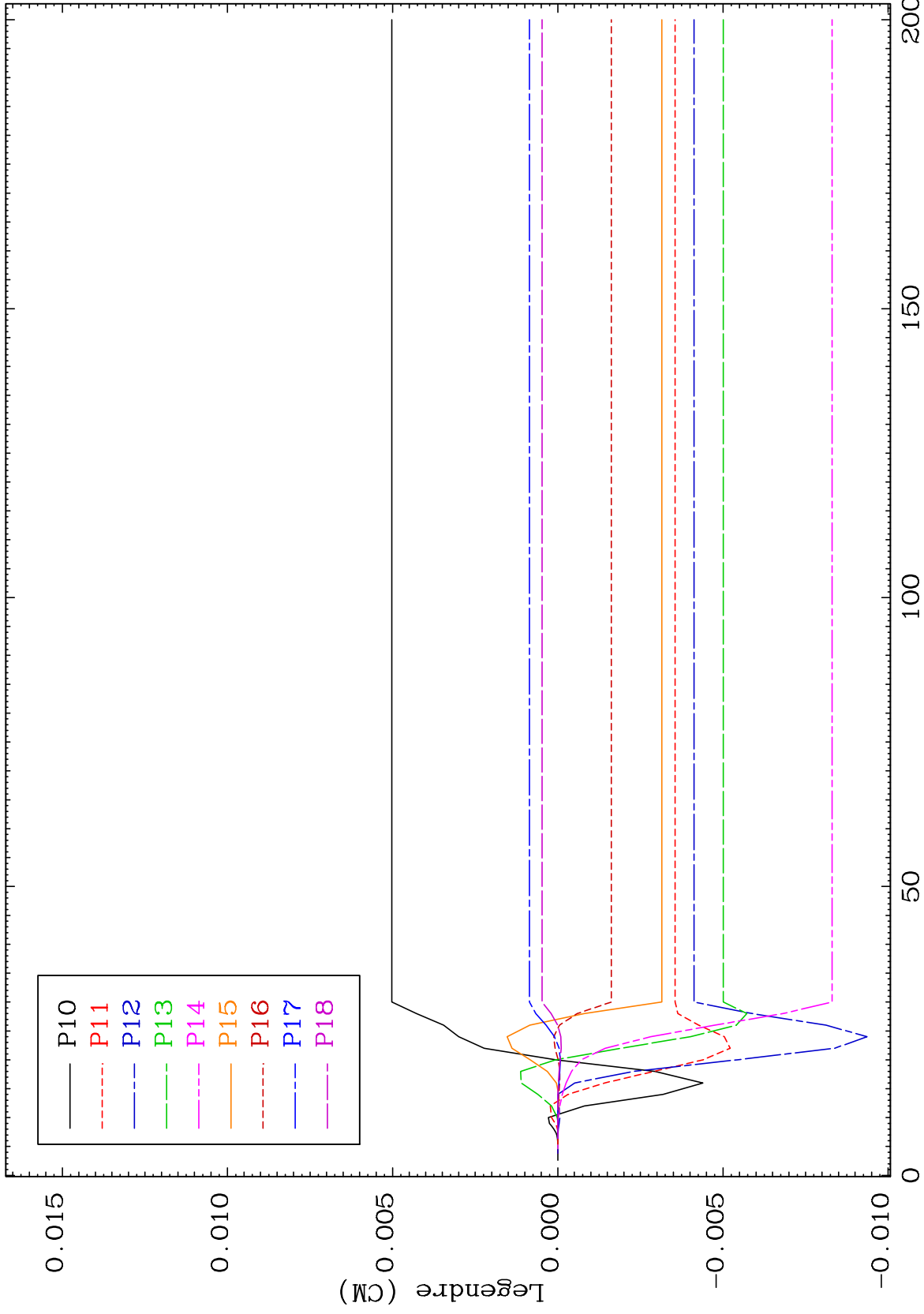
51-Sb-123



51-Sb-123

Incident Energy (MeV)

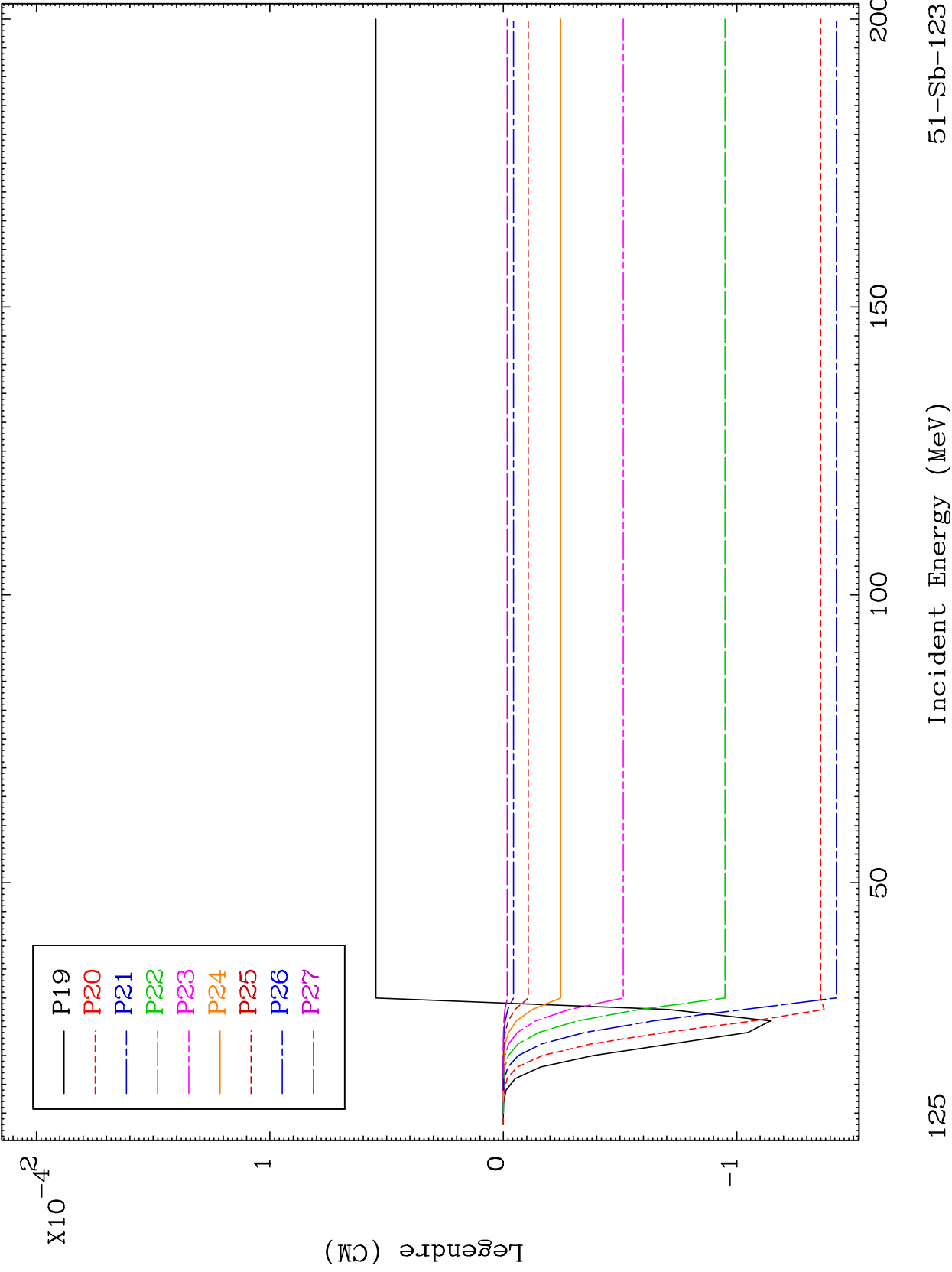
123



MAT 5131

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

51-Sb-123



125

Incident Energy (MeV)

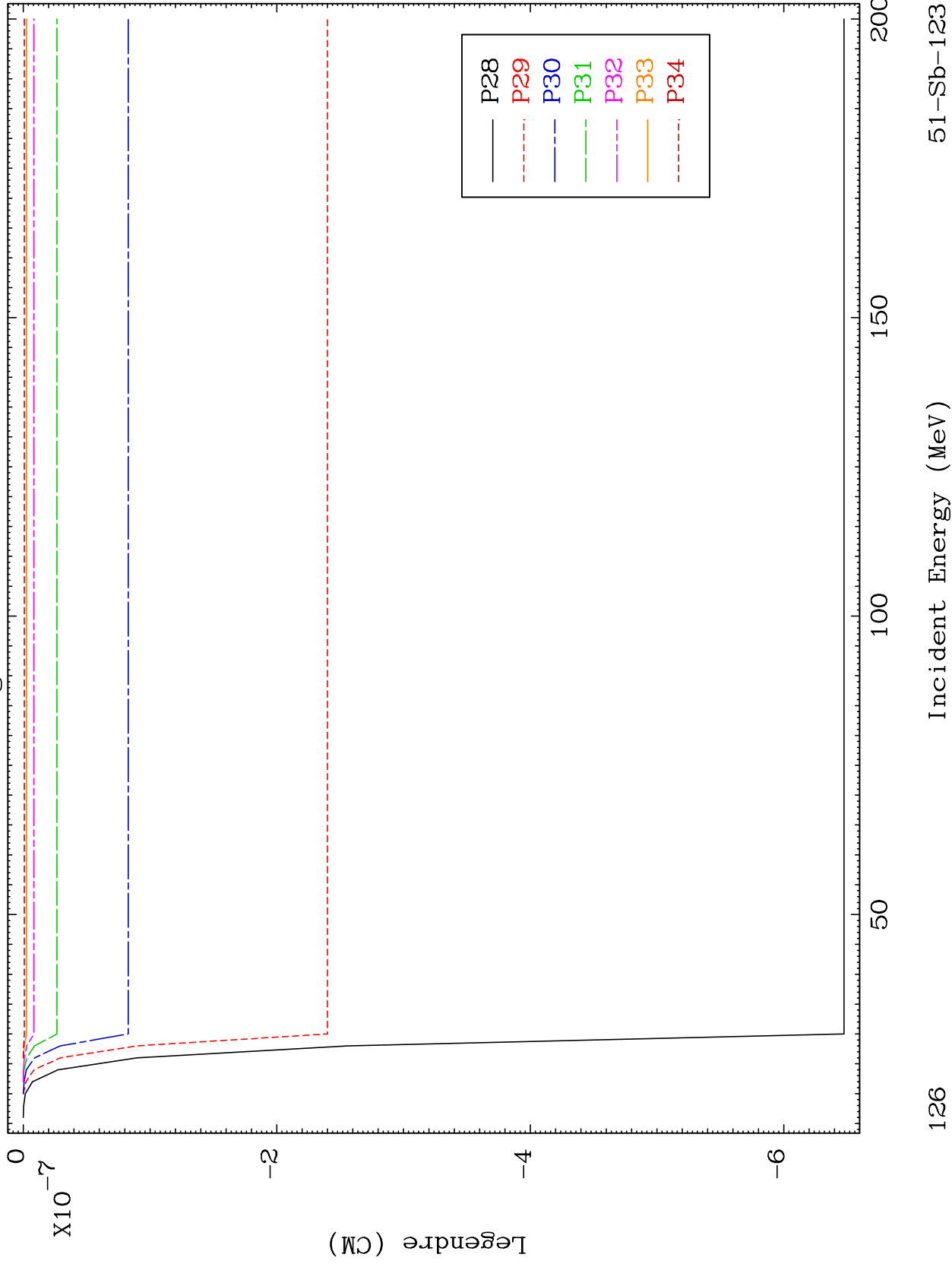
51-Sb-123

MAT 5131

MT= 77 (n,n') Level

51-Sb-123

Legendre Coefficients



126

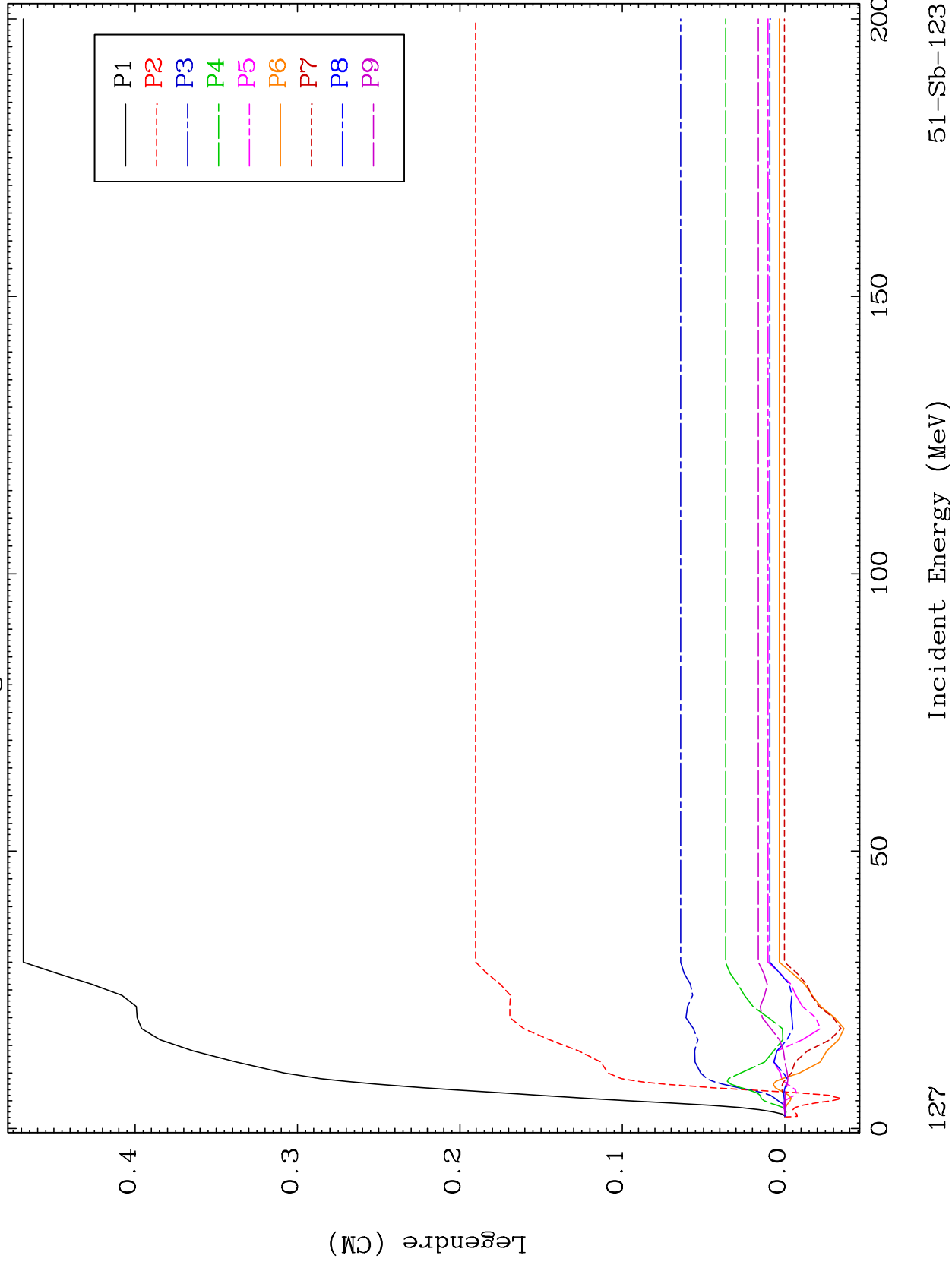
Incident Energy (MeV)

51-Sb-123

MAT 5131

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

51-Sb-123



51-Sb-123

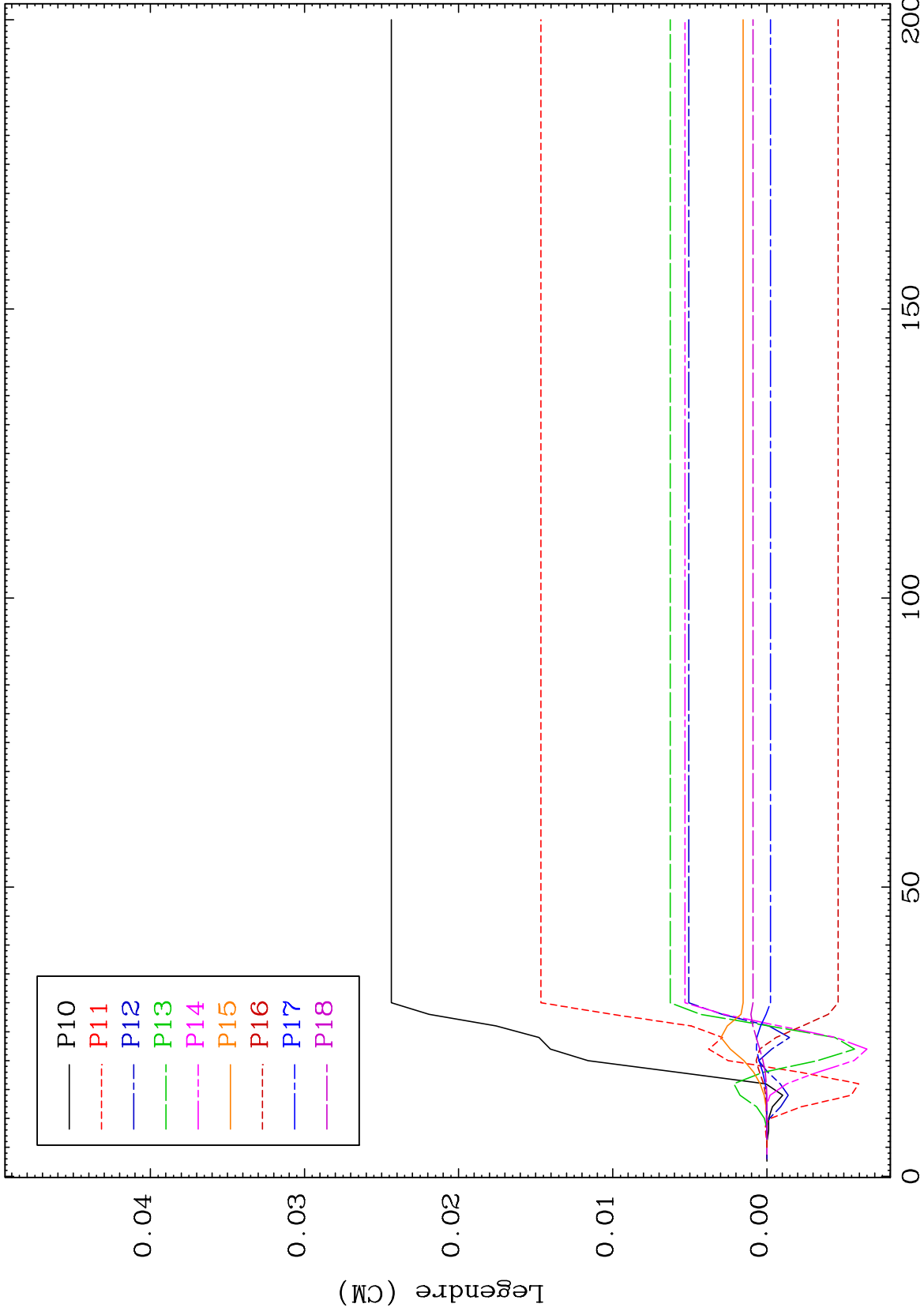
Incident Energy (MeV)

127

MAT 5131

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

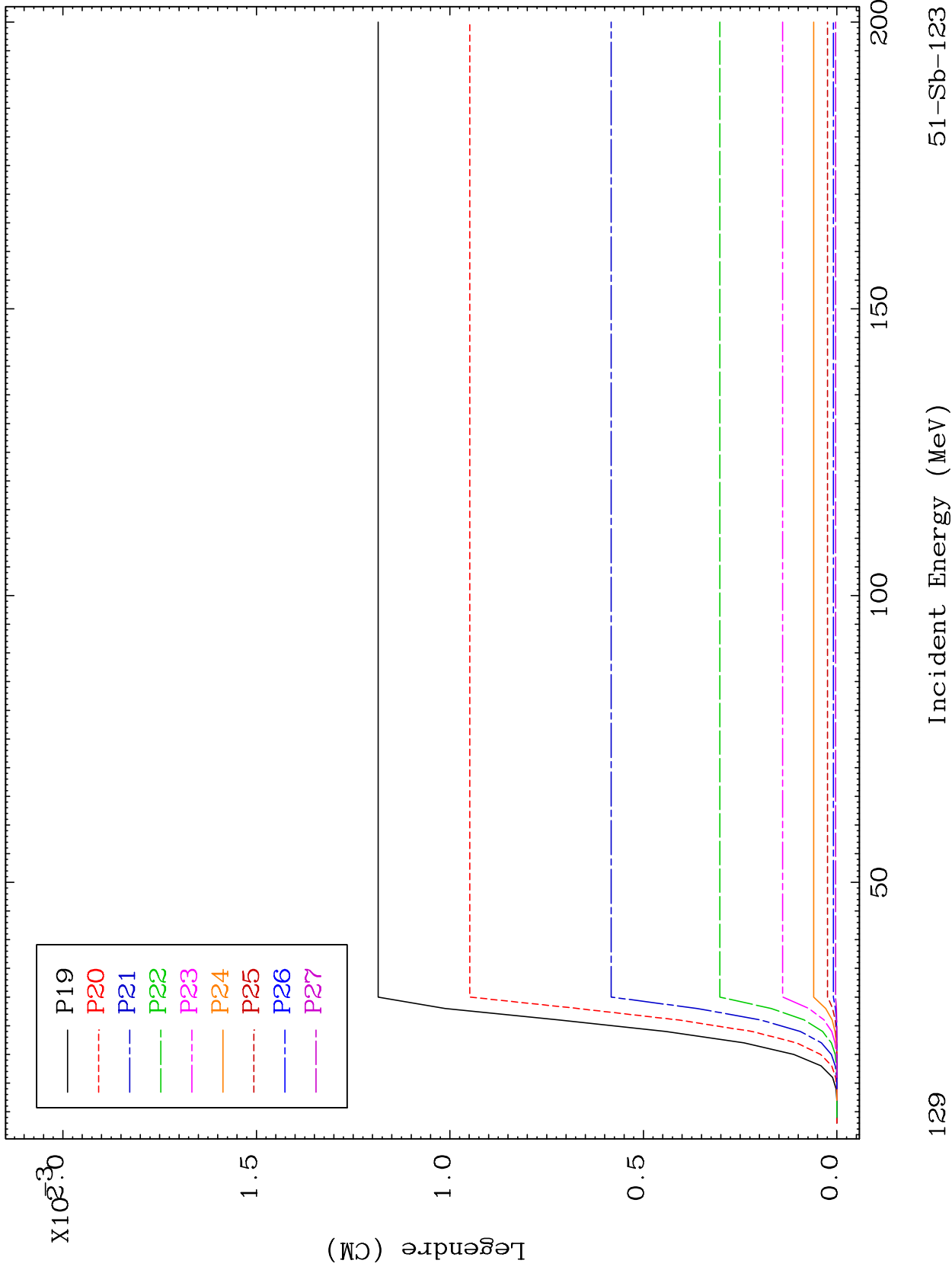
51-Sb-123



128

Incident Energy (MeV)

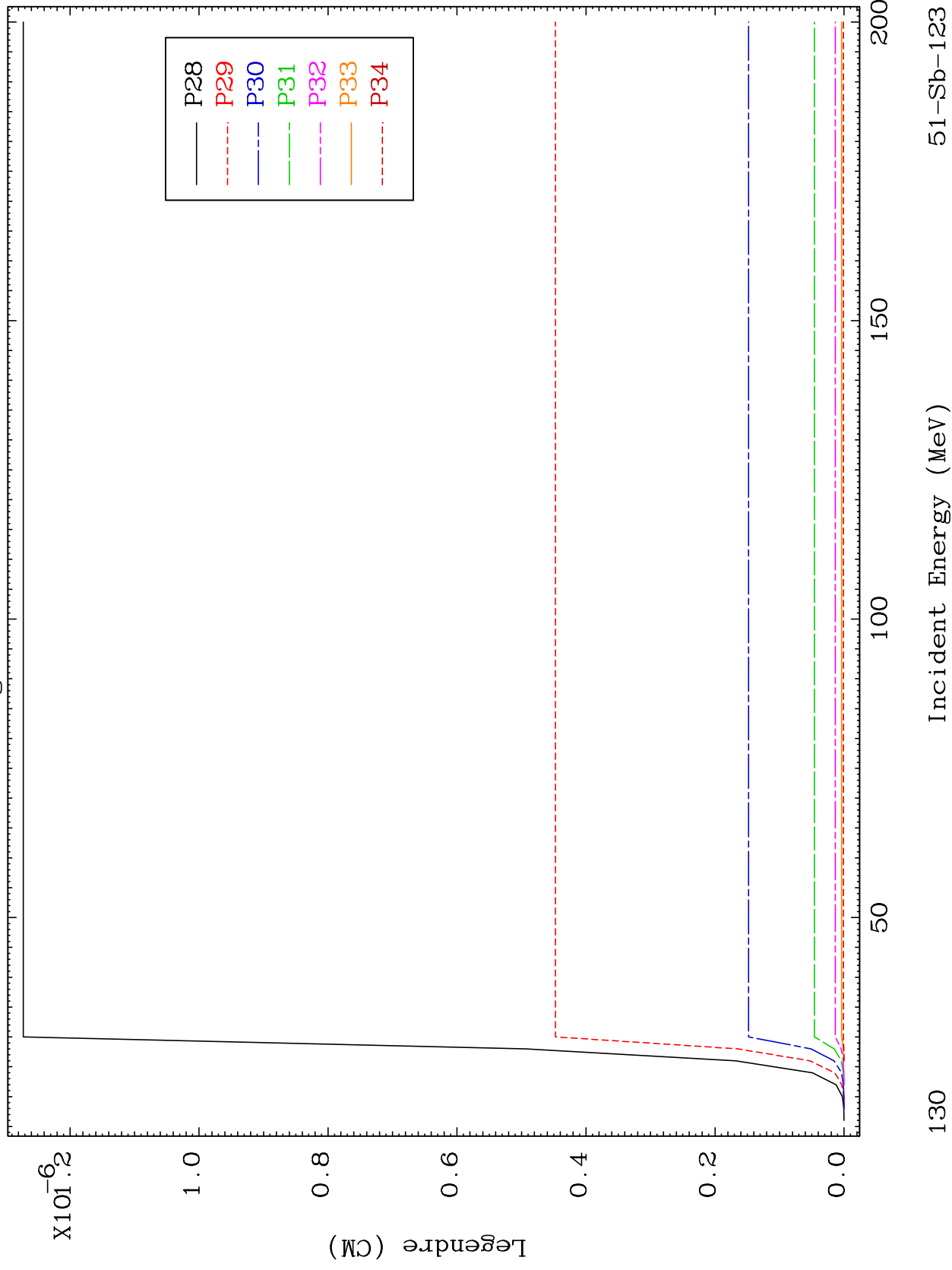
51-Sb-123



MAT 5131

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

51-Sb-123



51-Sb-123

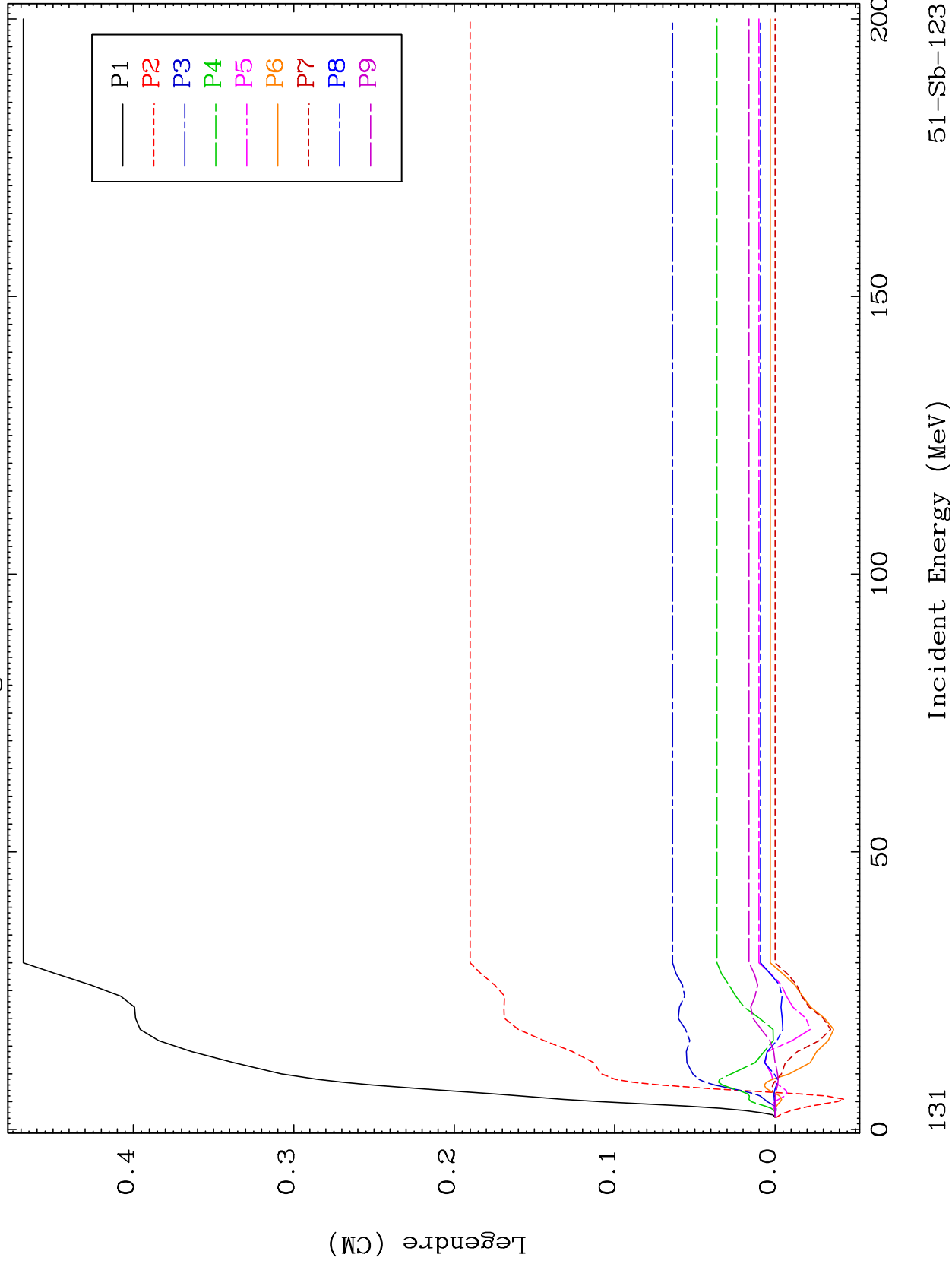
Incident Energy (MeV)

130

MAT 5131

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

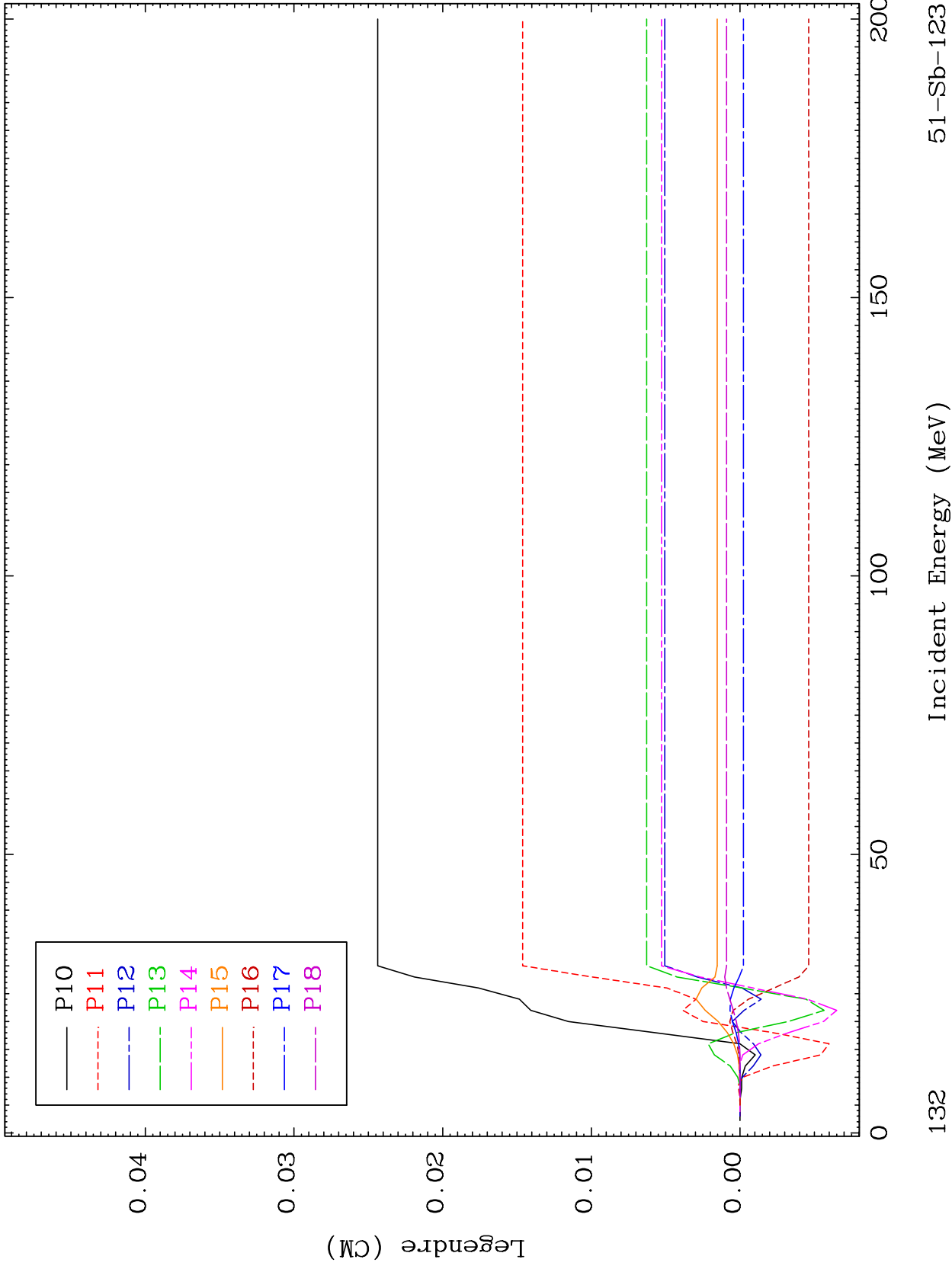
51-Sb-123

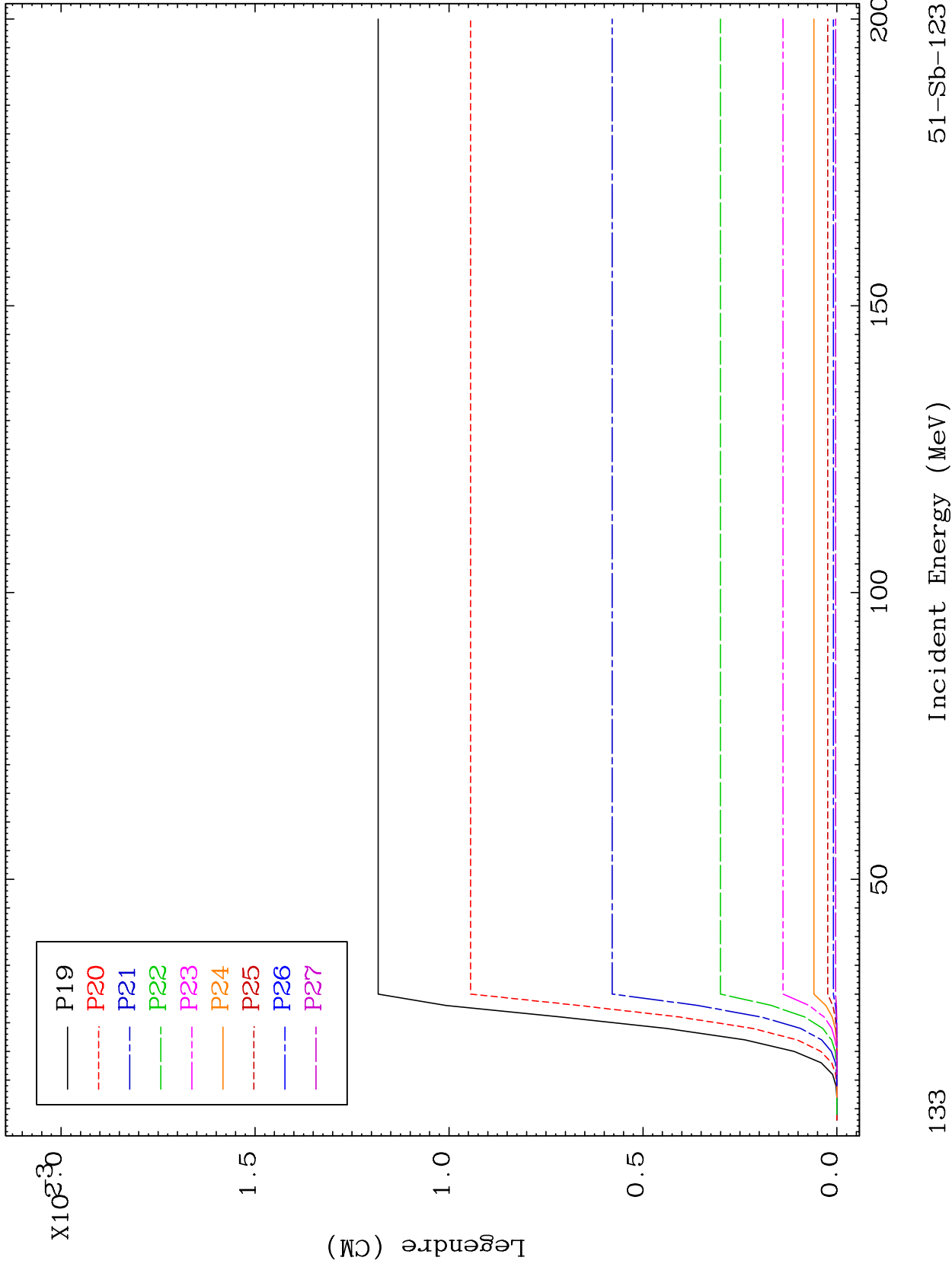


51-Sb-123

Incident Energy (MeV)

131

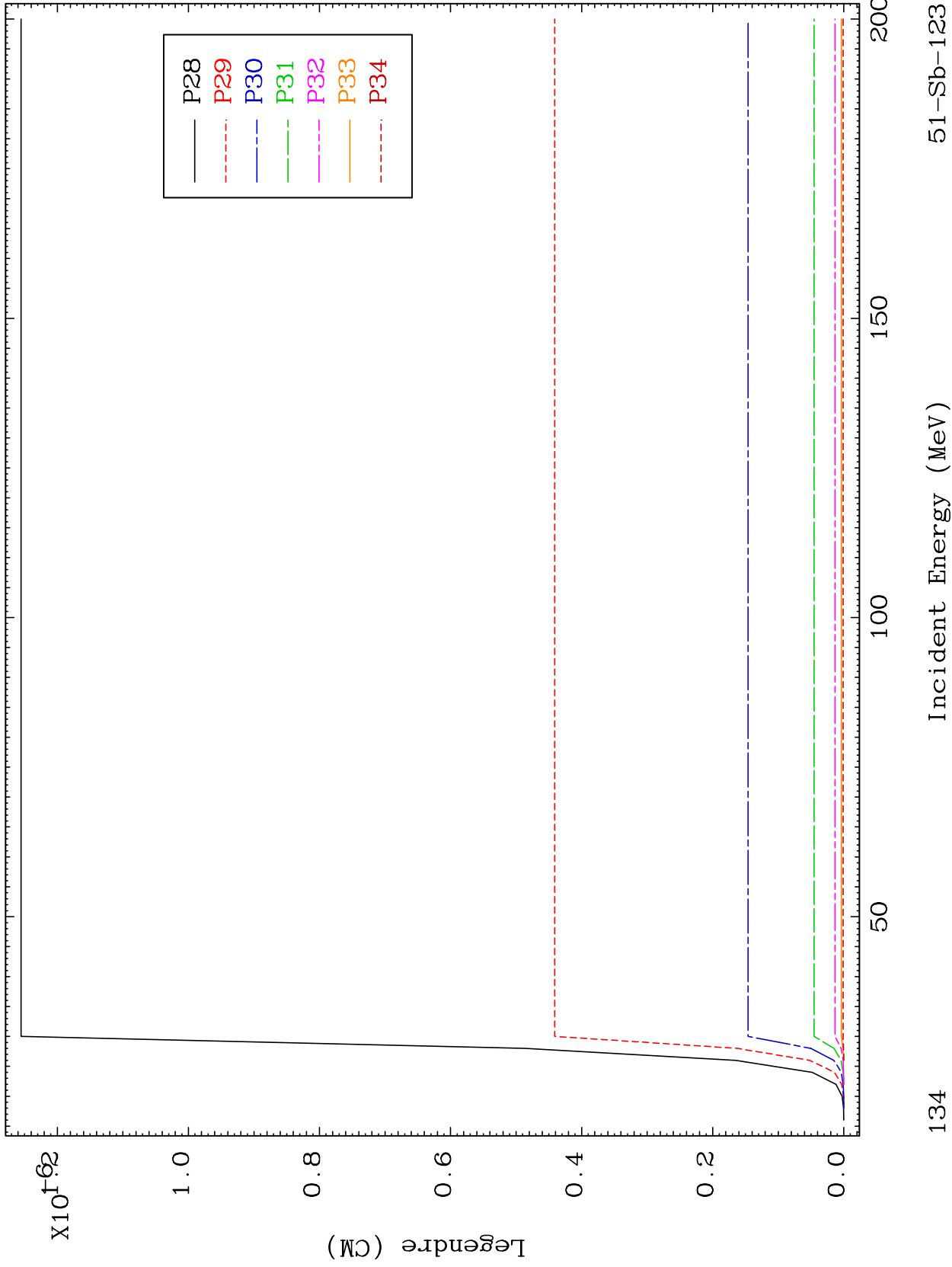




MAT 5131

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

51-Sb-123



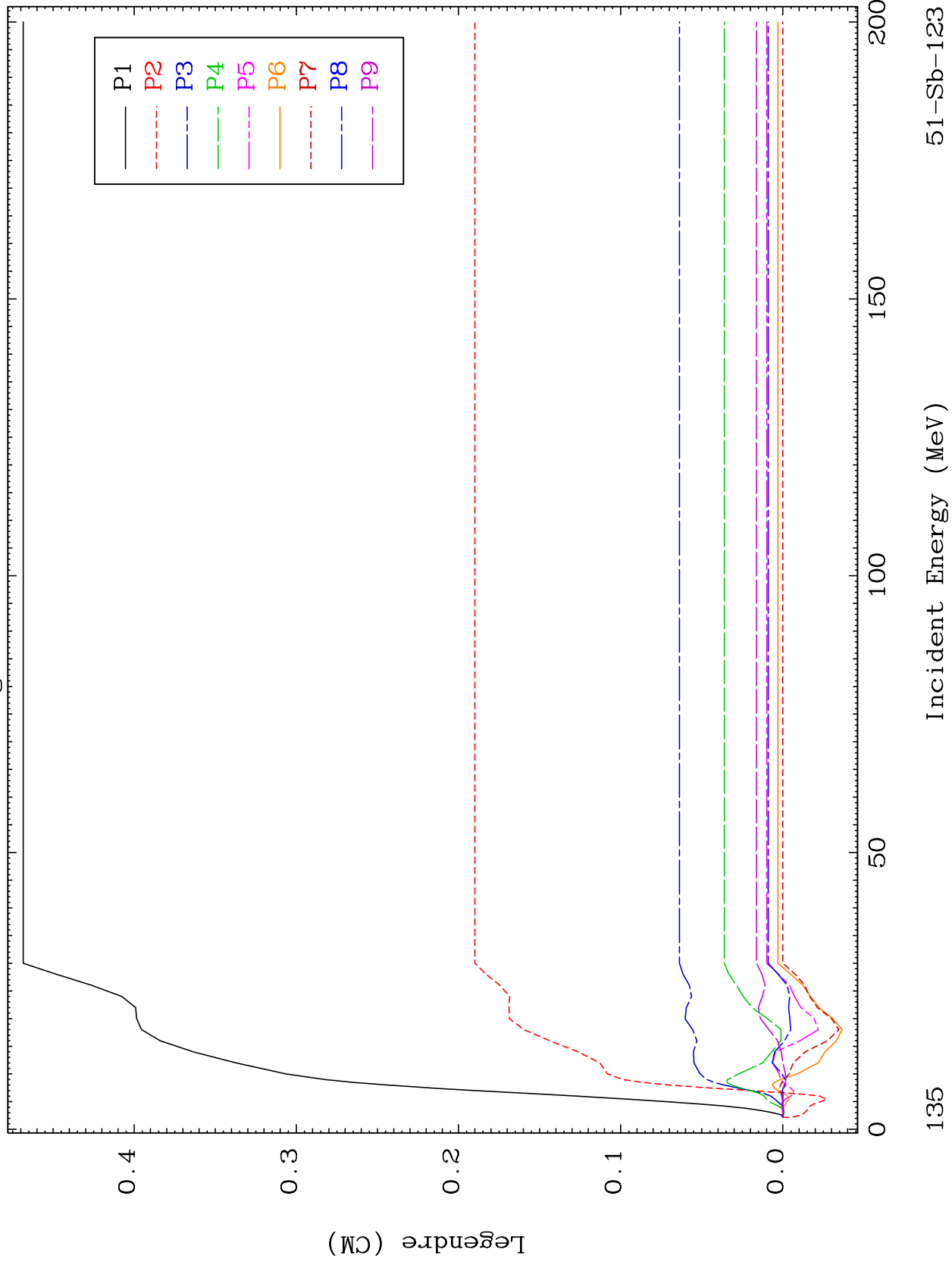
134

51-Sb-123

MAT 5131

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

51-Sb-123



51-Sb-123

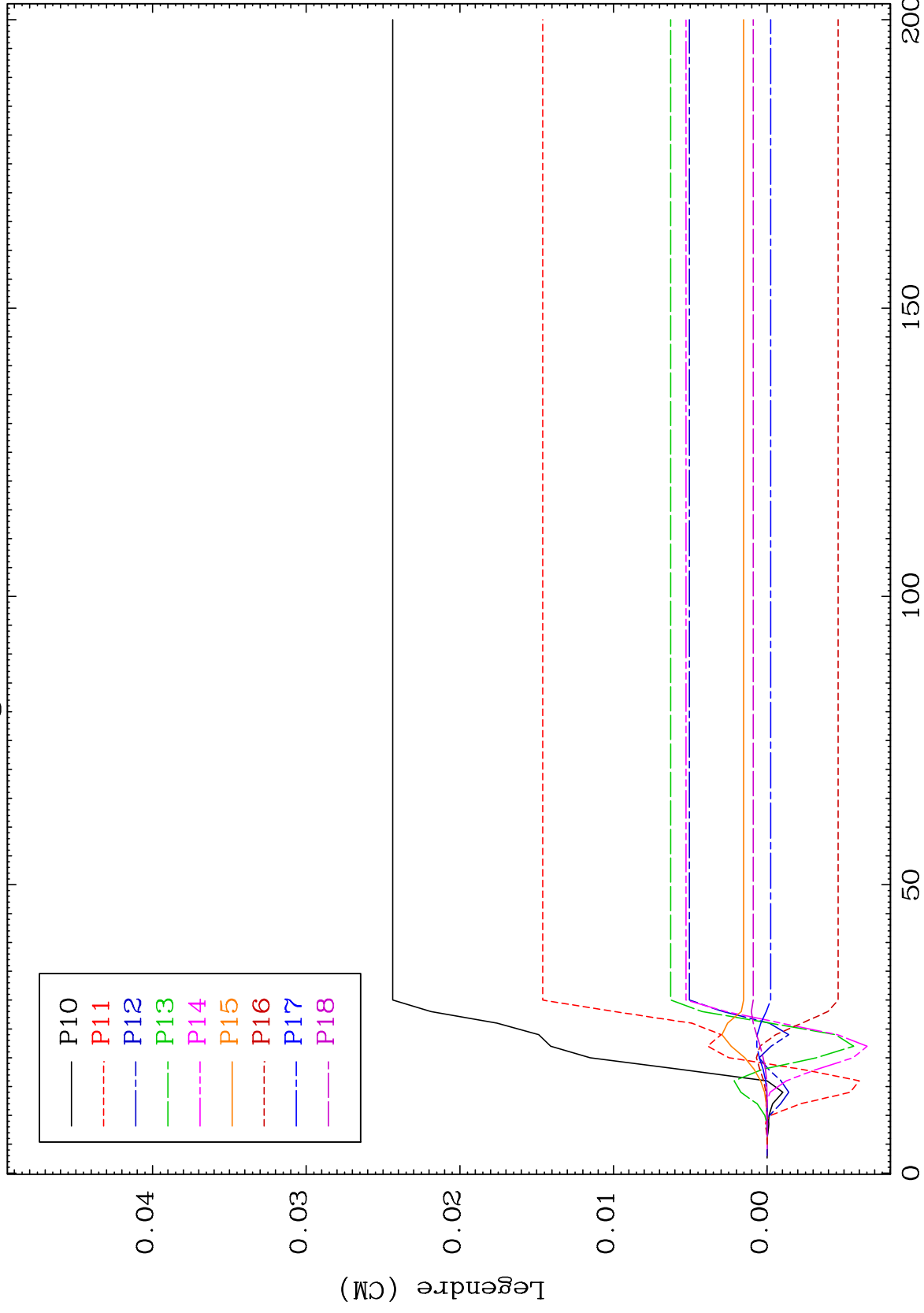
Incident Energy (MeV)

135

MAT 5131

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

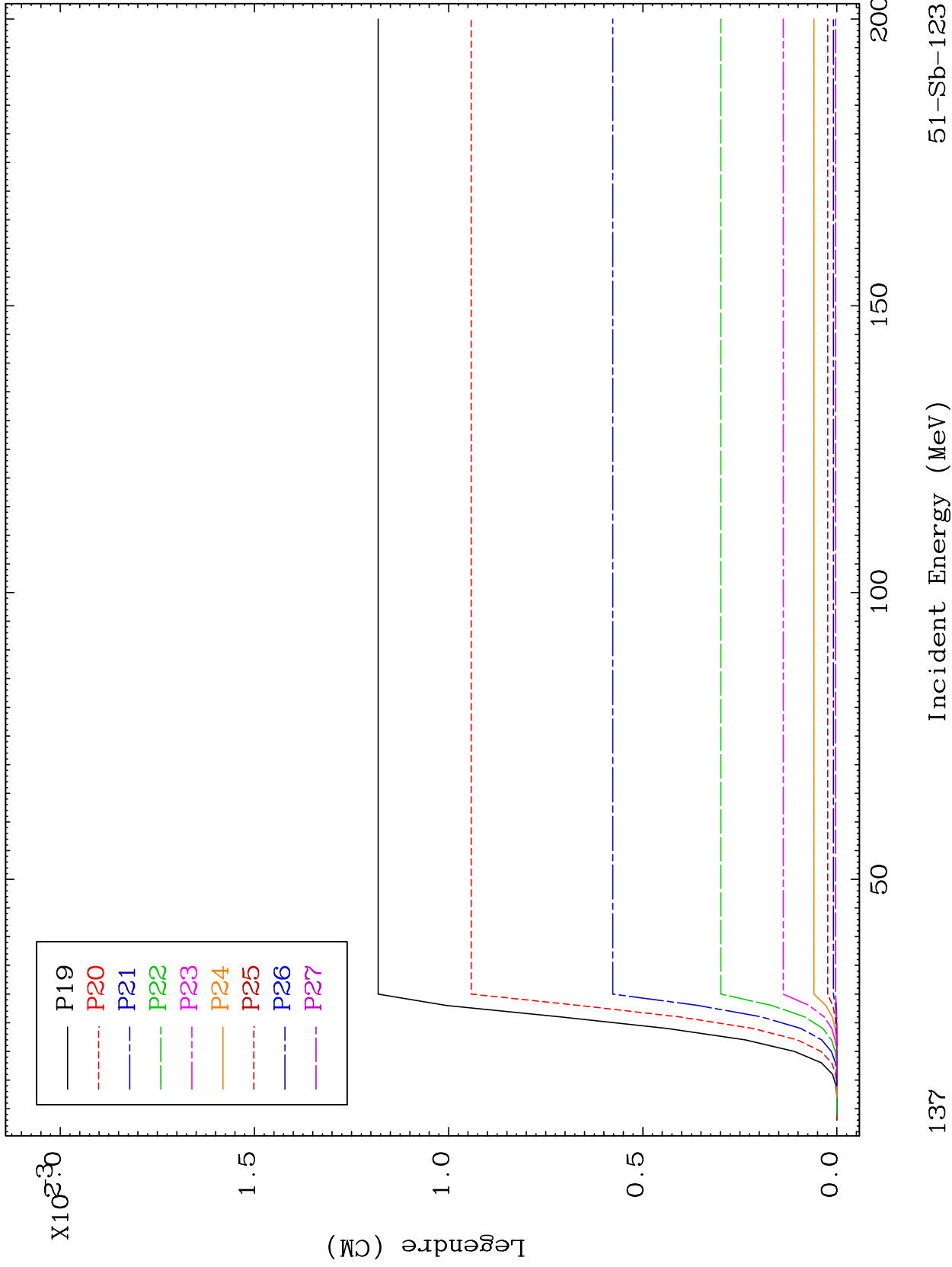
51-Sb-123



136

Incident Energy (MeV)

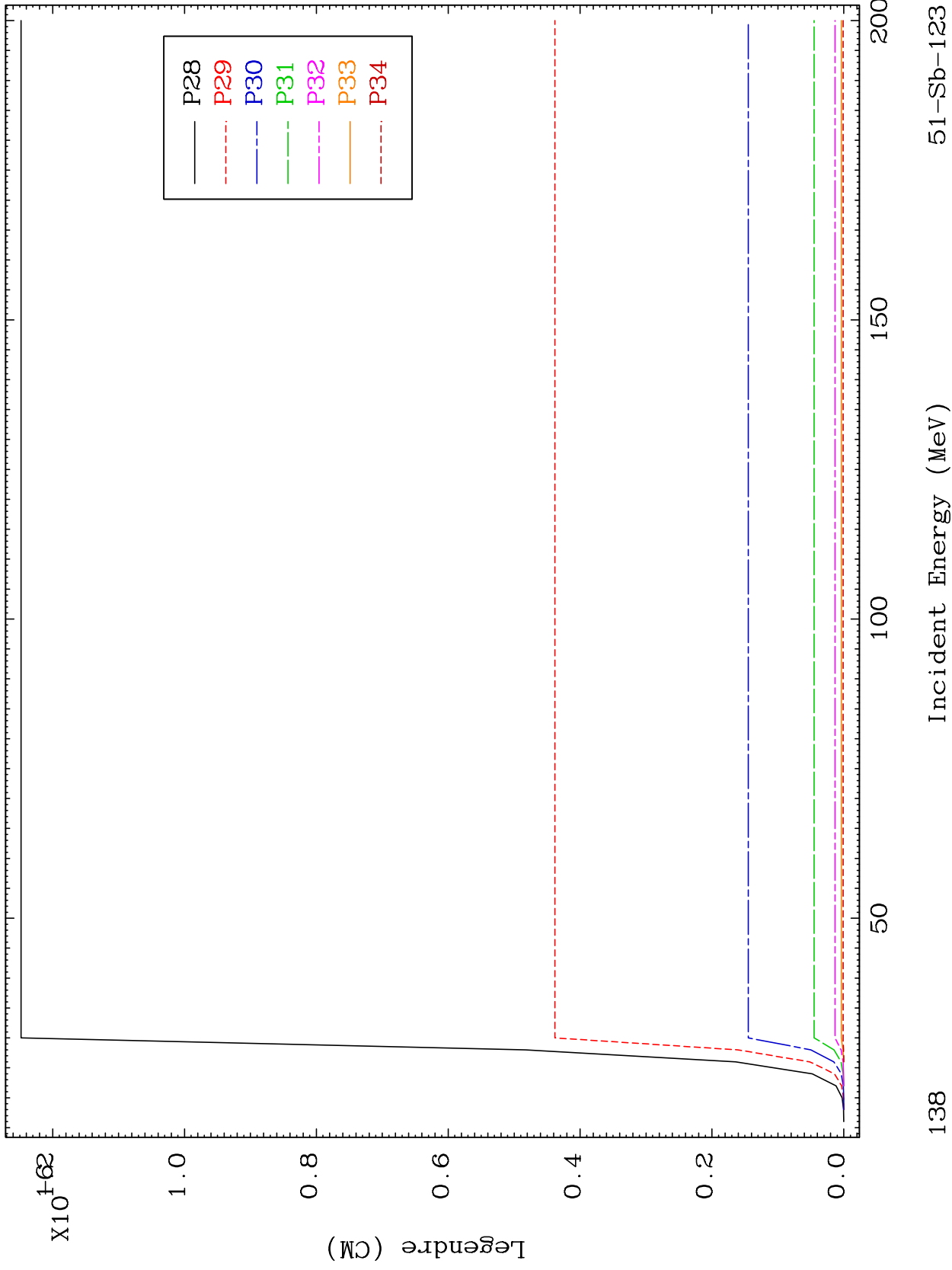
51-Sb-123



MAT 5131

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

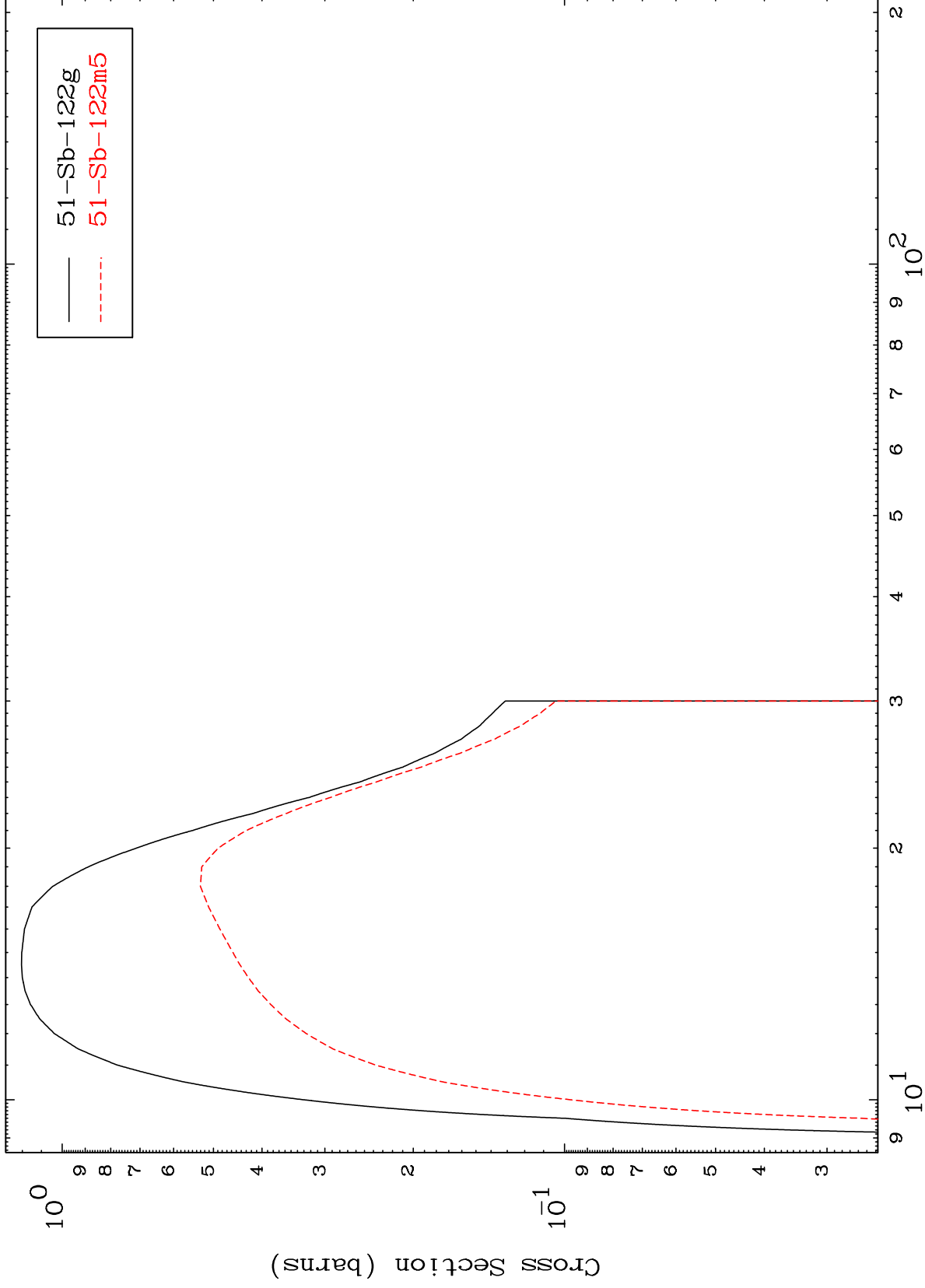
51-Sb-123



MAT 5131

51-Sb-123

(n,2n)
Radionuclide Production Cross Section



51-Sb-123

Incident Energy (MeV)

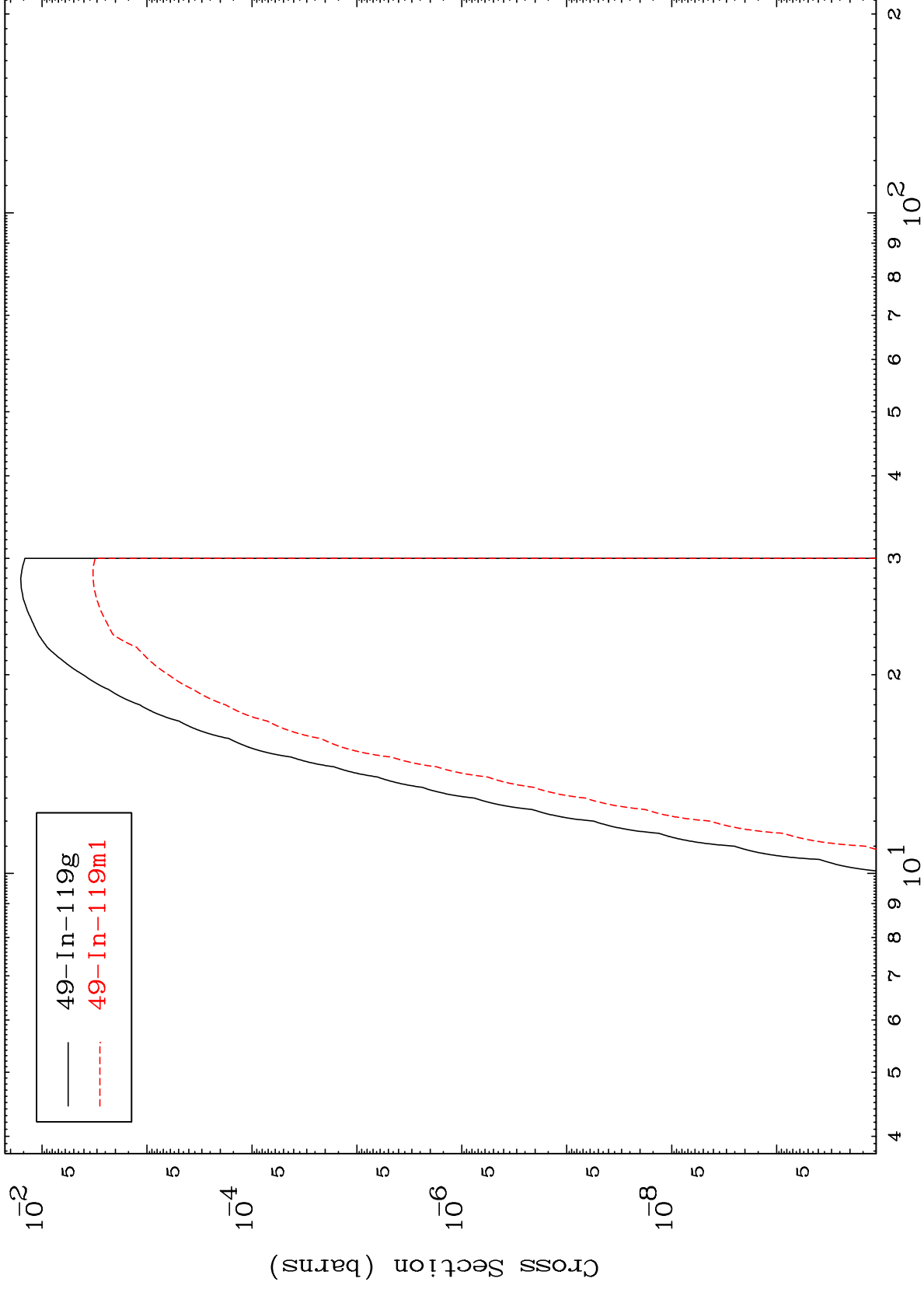
139

MAT 5131

51-Sb-123

(n,n') α

Radionuclide Production Cross Section



140

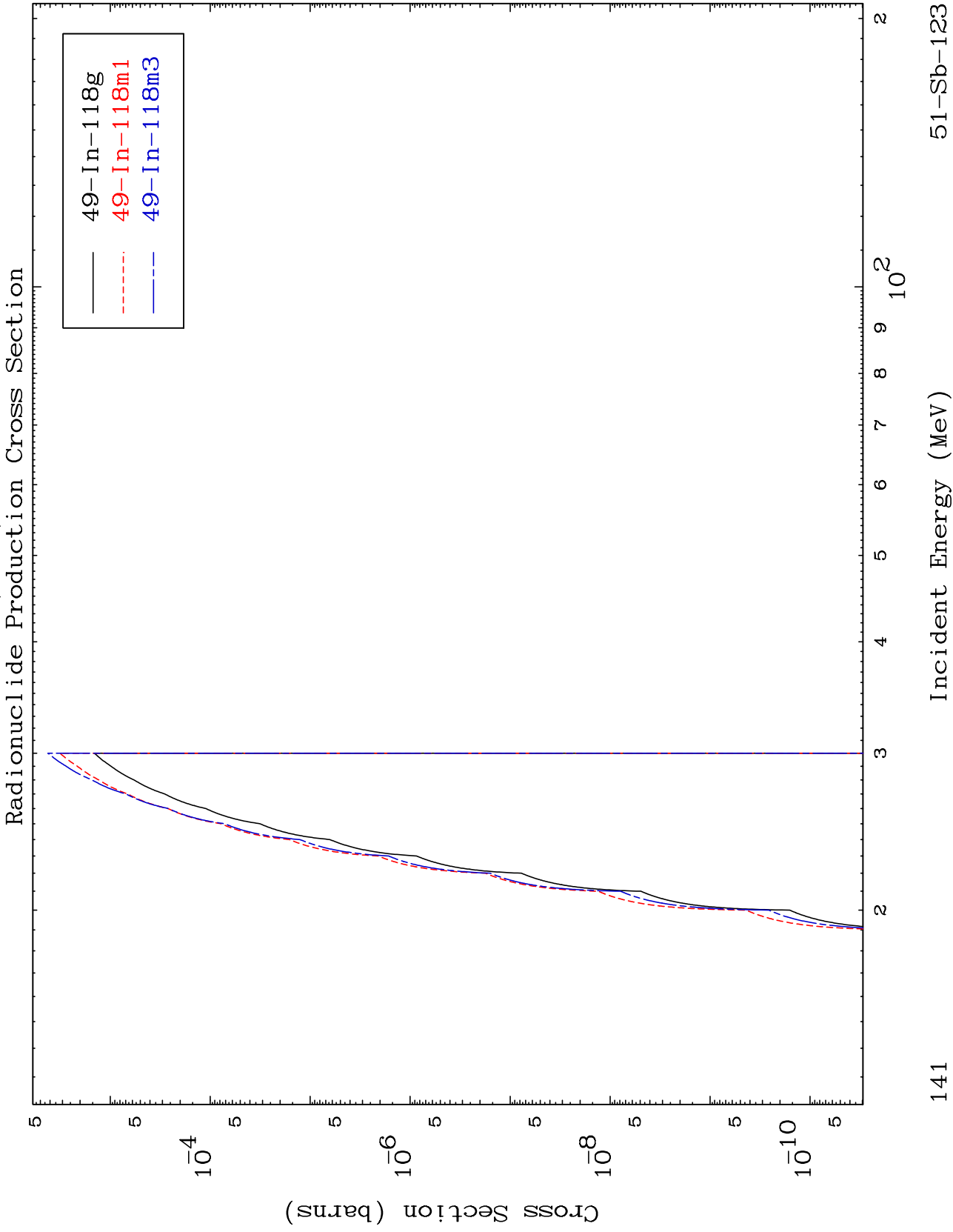
Incident Energy (MeV)

51-Sb-123

MAT 5131

$(n,2n) \alpha$

51-Sb-123



141

Incident Energy (MeV)

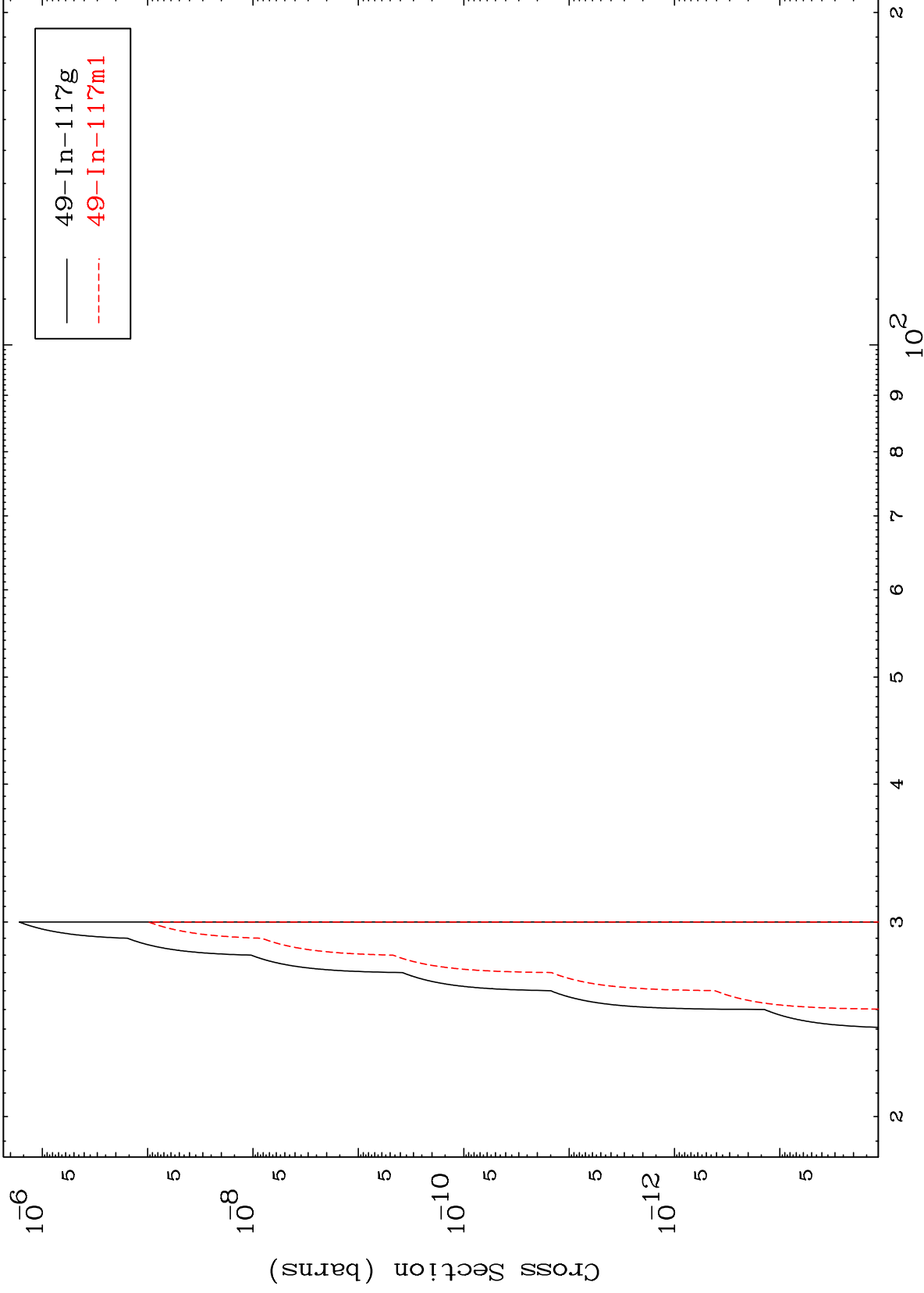
51-Sb-123

MAT 5131

(n,3n) α

51-Sb-123

Radionuclide Production Cross Section



142

Incident Energy (MeV)

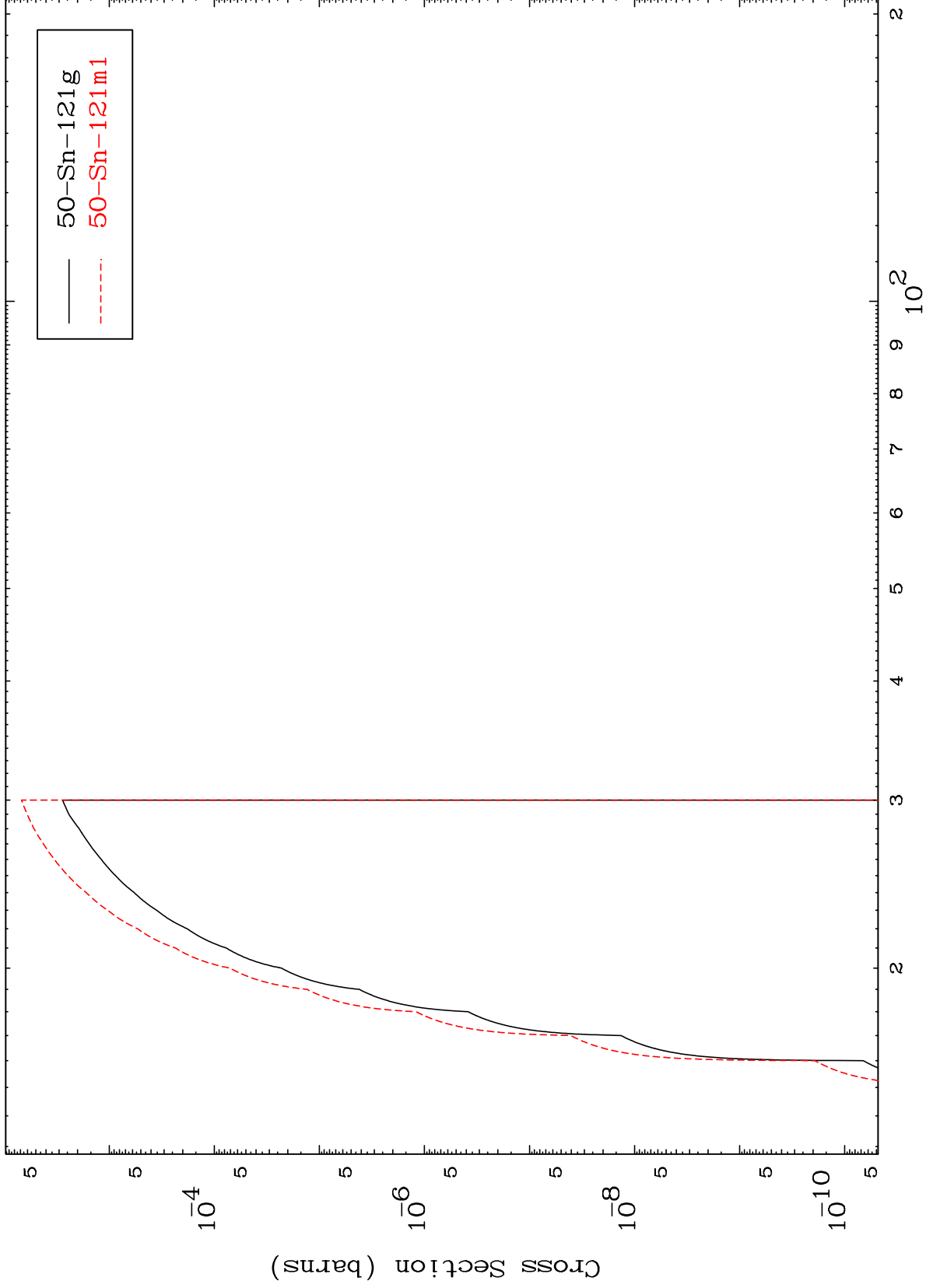
51-Sb-123

MAT 5131

(n,n') d

51-Sb-123

Radionuclide Production Cross Section



143

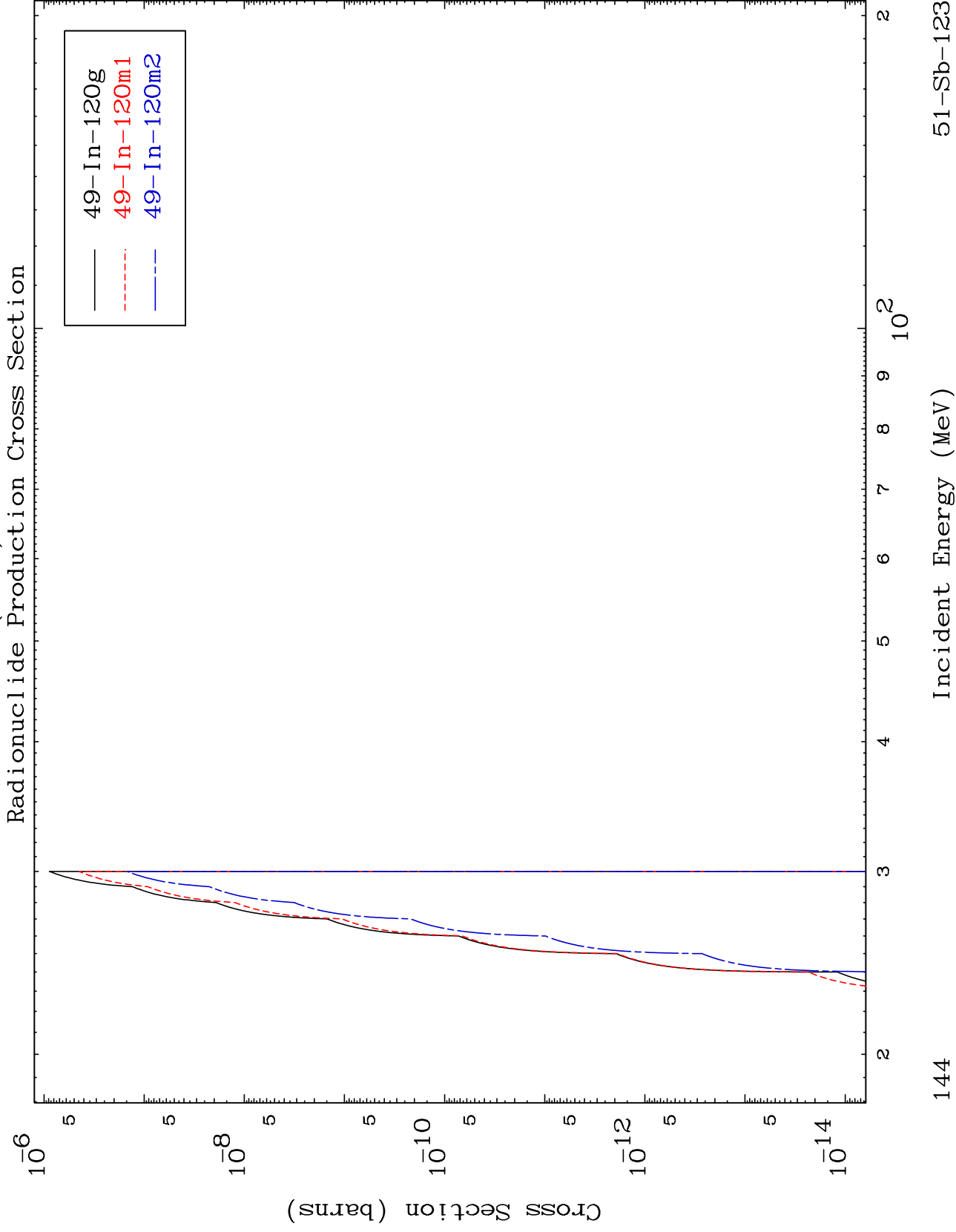
Incident Energy (MeV)

51-Sb-123

MAT 5131

(n,n') He-3

51-Sb-123



144

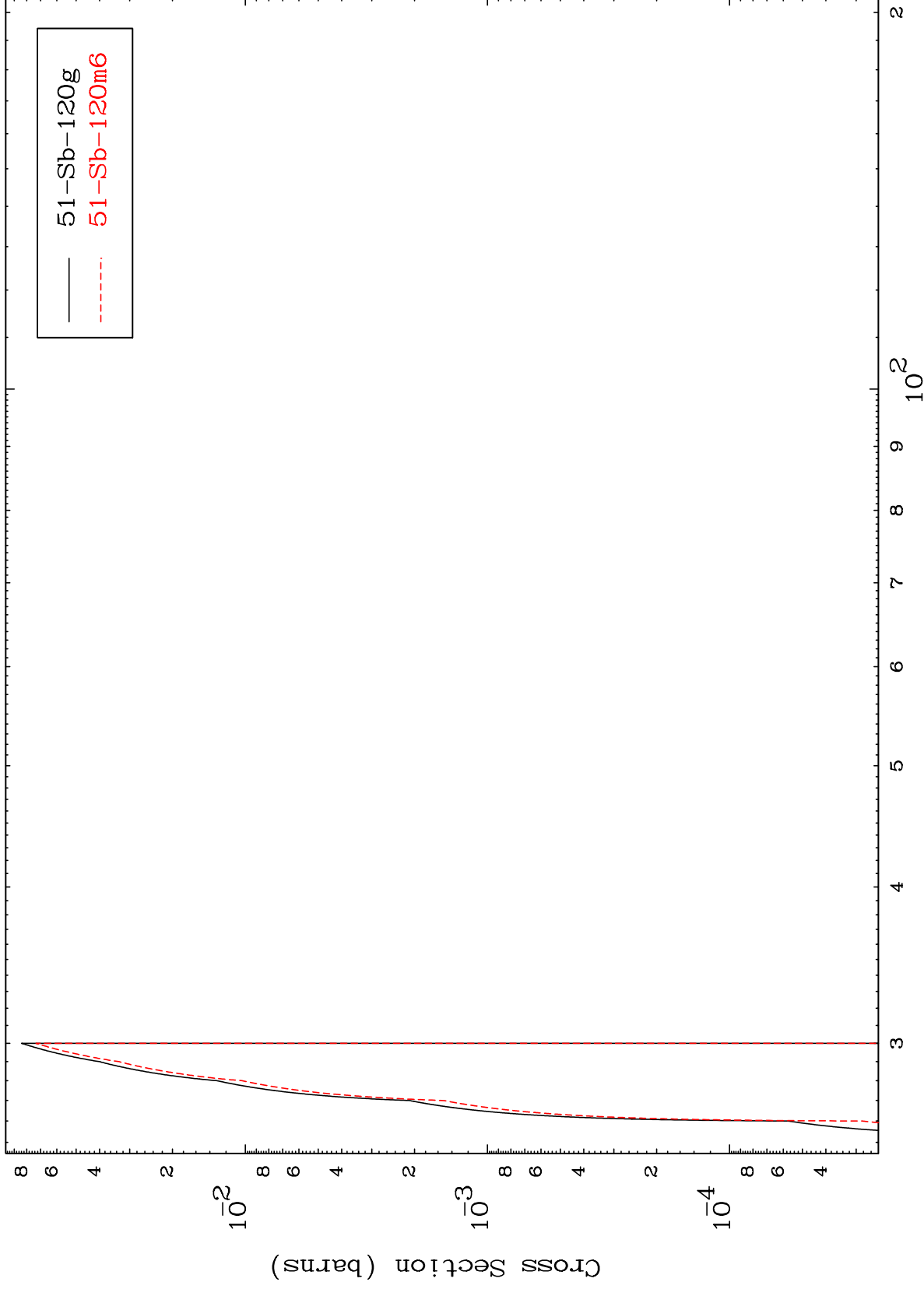
51-Sb-123

MAT 5131

(n,4n)

51-Sb-123

Radionuclide Production Cross Section



145

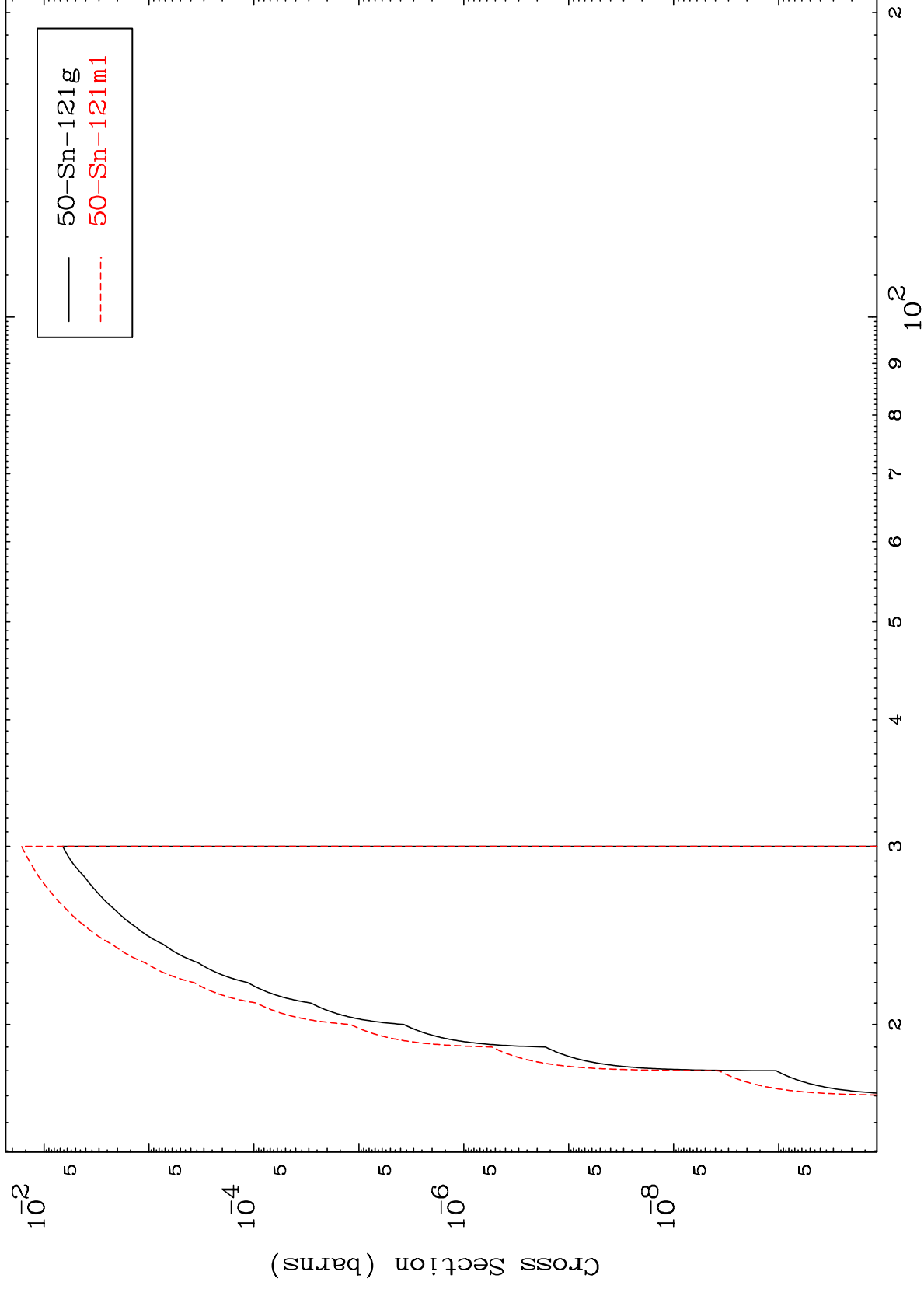
Incident Energy (MeV)

51-Sb-123

MAT 5131

51-Sb-123

(n,2n) p
Radionuclide Production Cross Section



146

Incident Energy (MeV)

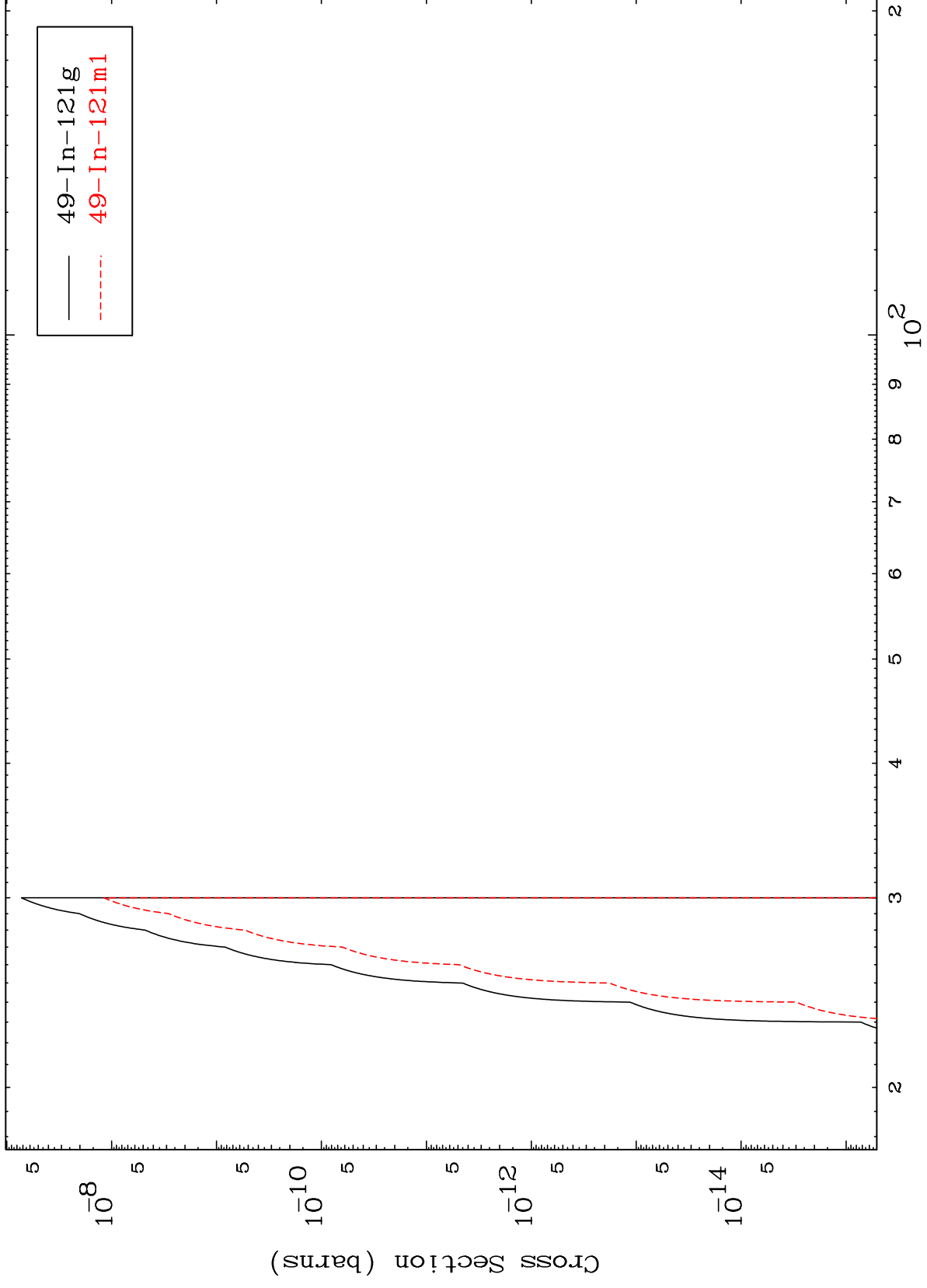
51-Sb-123

MAT 5131

(n,2n) p

51-Sb-123

Radionuclide Production Cross Section



147

Incident Energy (MeV)

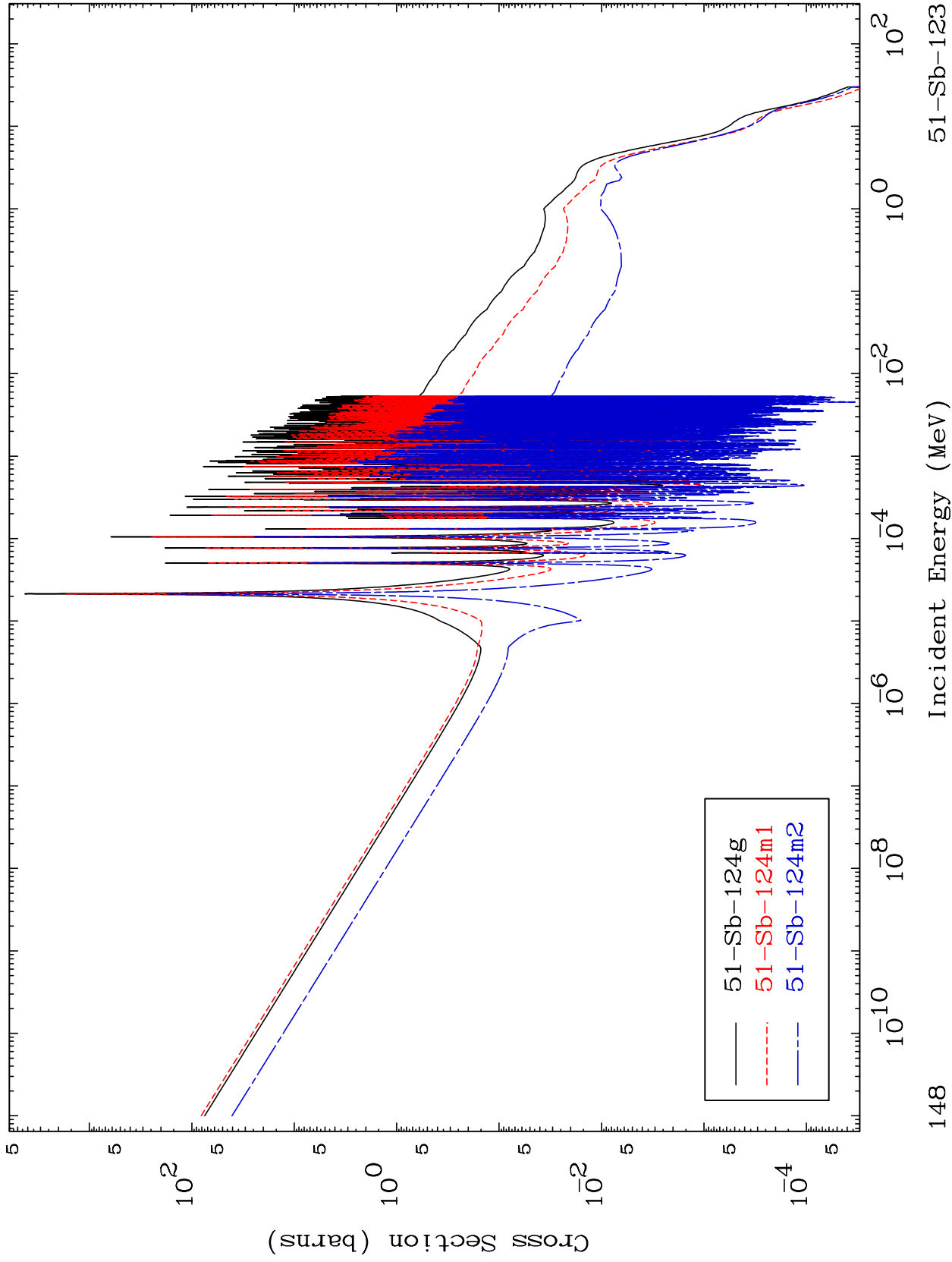
51-Sb-123

MAT 5131

51-Sb-123

Radionuclide Production Cross Section

(n, γ)

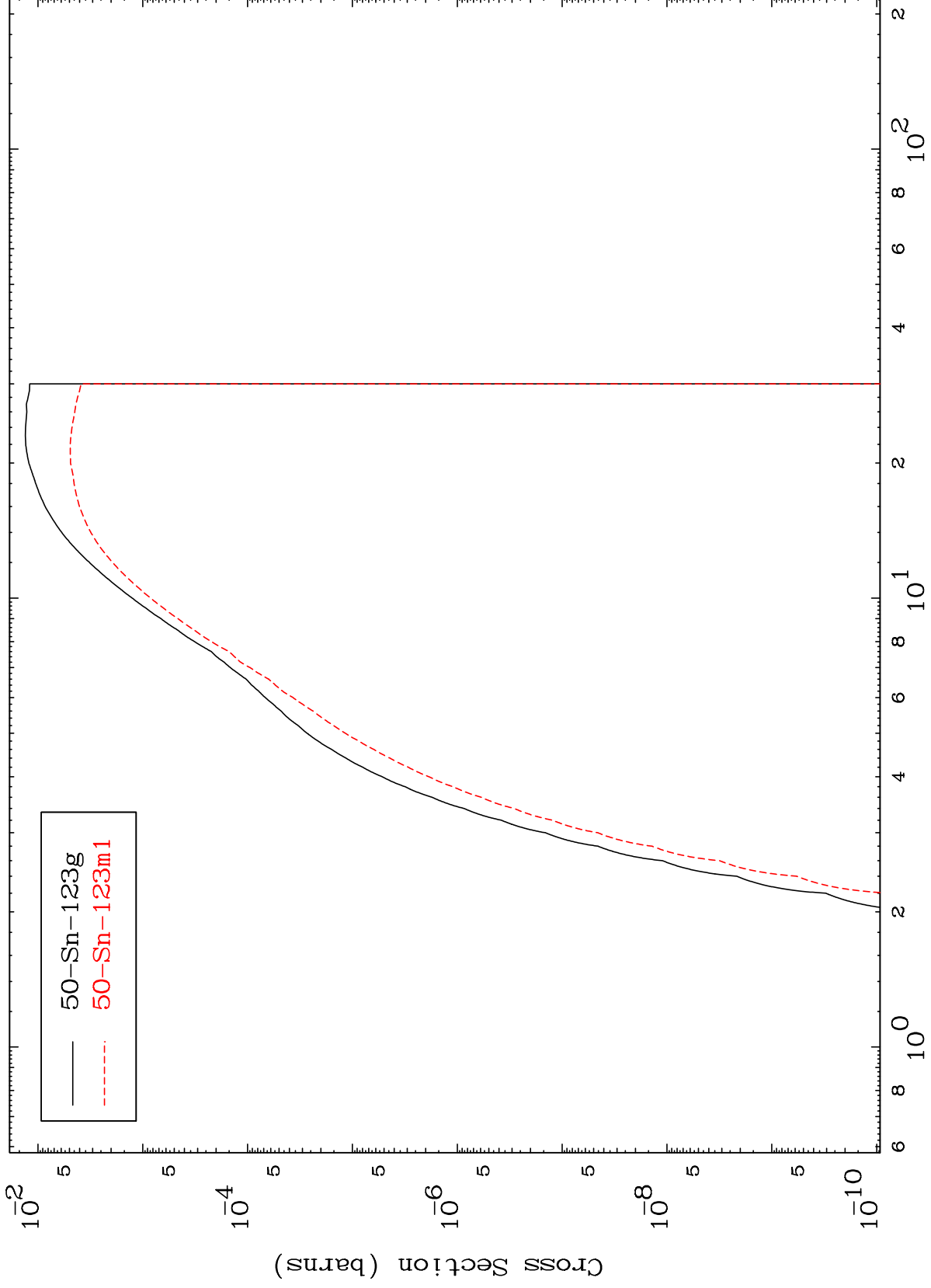


148

MAT 5131

51-Sb-123

(n,p)
Radionuclide Production Cross Section



149

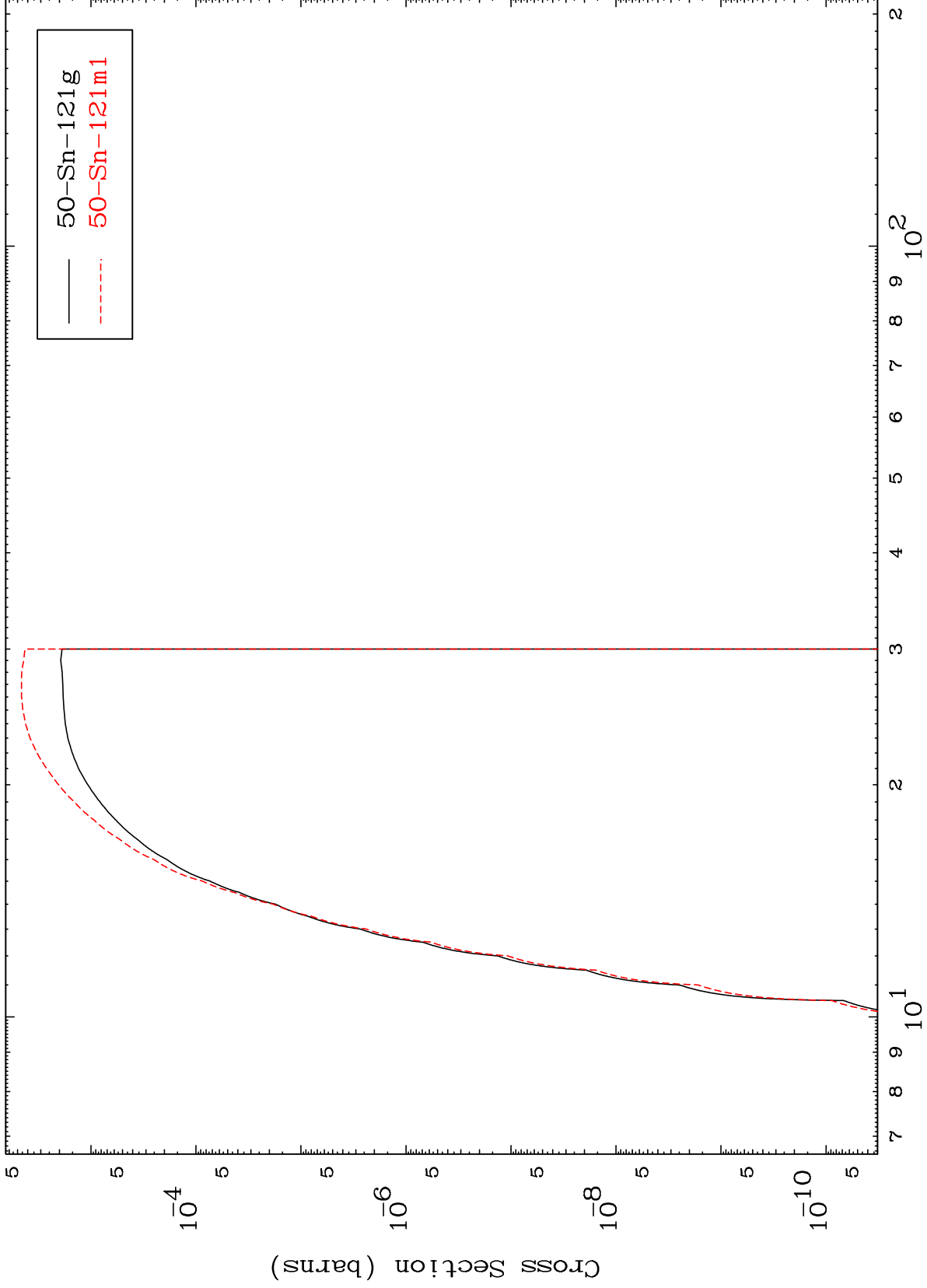
51-Sb-123

Incident Energy (MeV)

MAT 5131

51-Sb-123

(n,t)
Radionuclide Production Cross Section



51-Sb-123

Incident Energy (MeV)

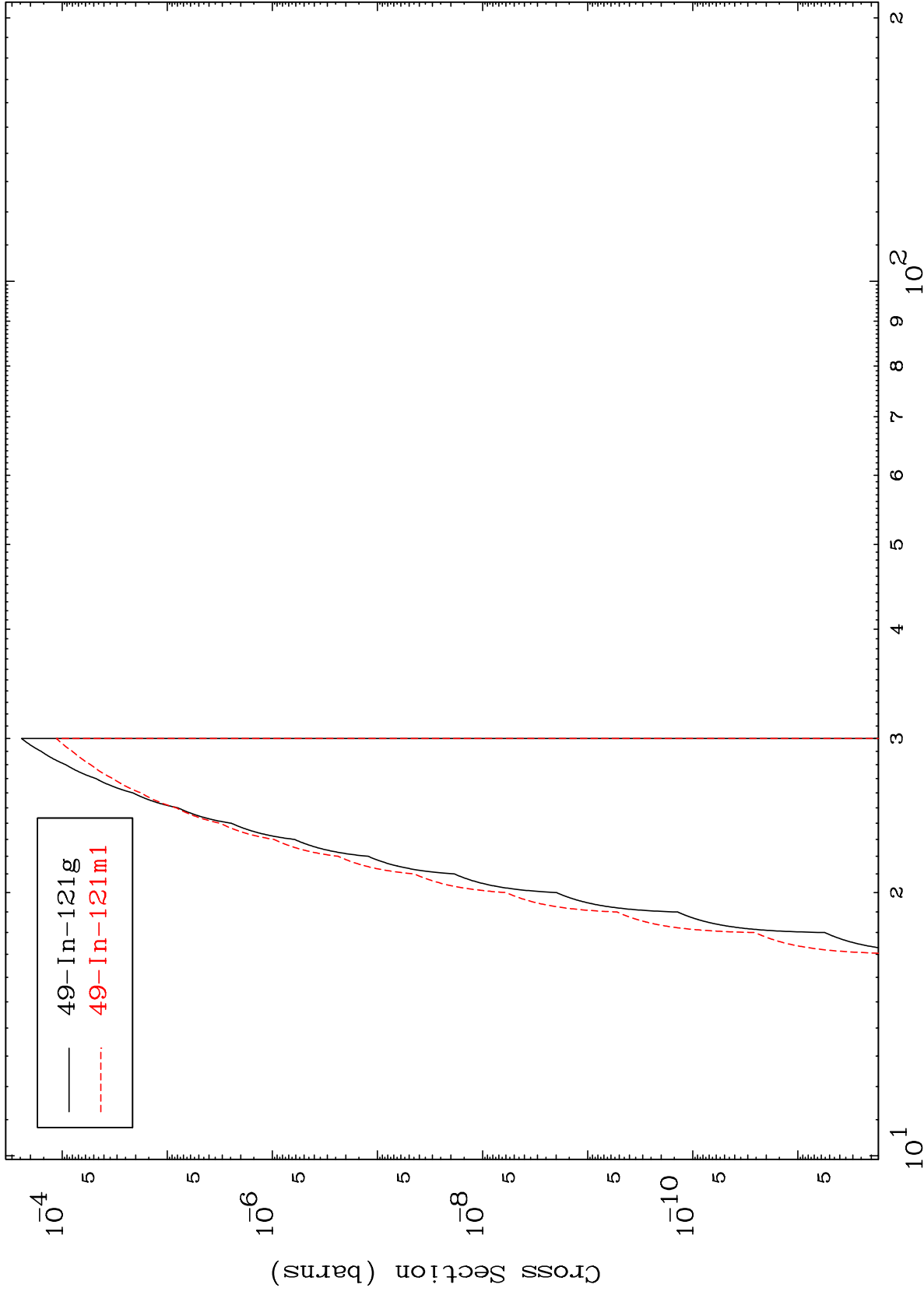
150

MAT 5131

(n,He-3)

51-Sb-123

Radionuclide Production Cross Section



151

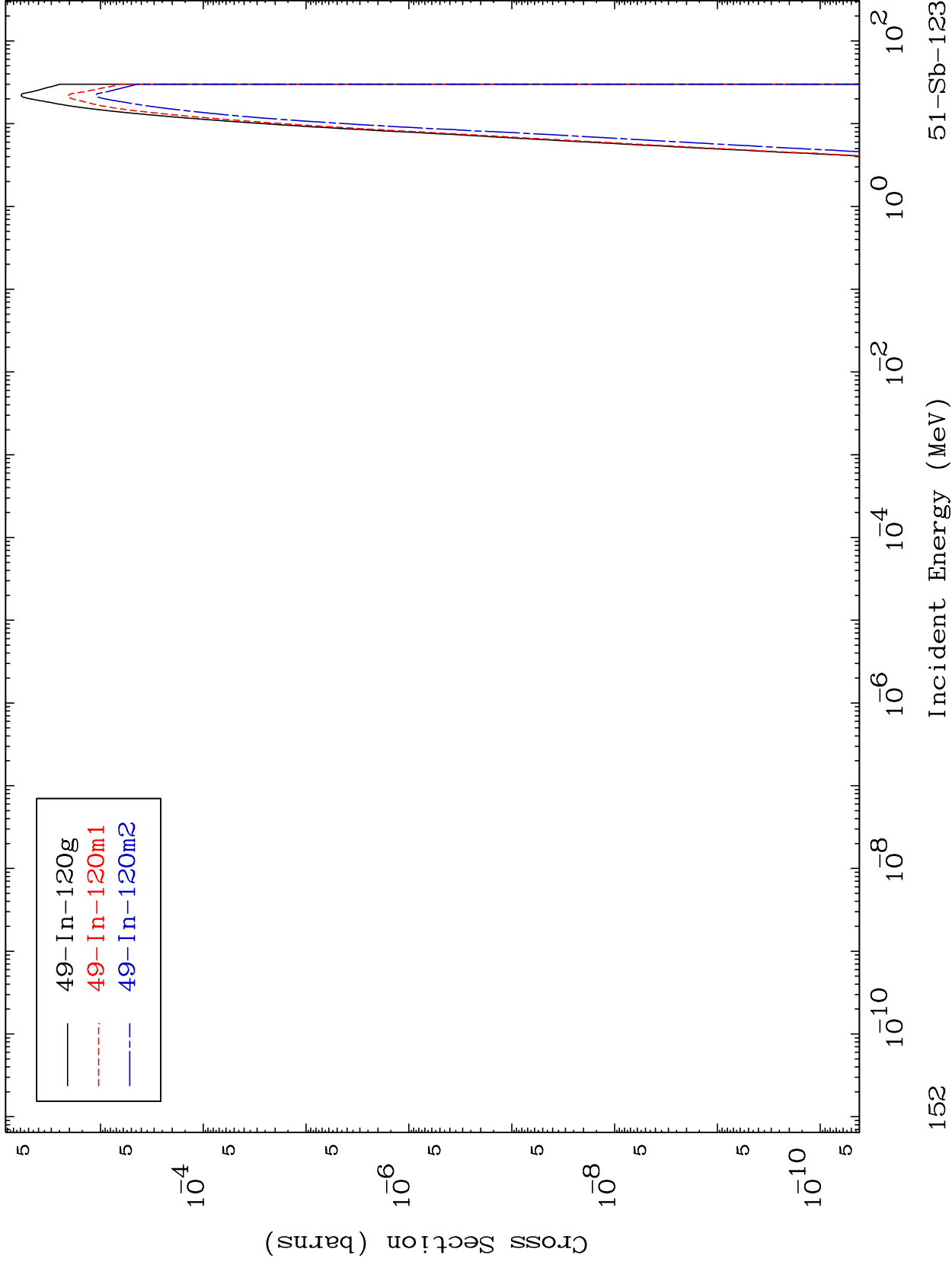
Incident Energy (MeV)

51-Sb-123

MAT 5131

51-Sb-123

(n, α)
Radionuclide Production Cross Section

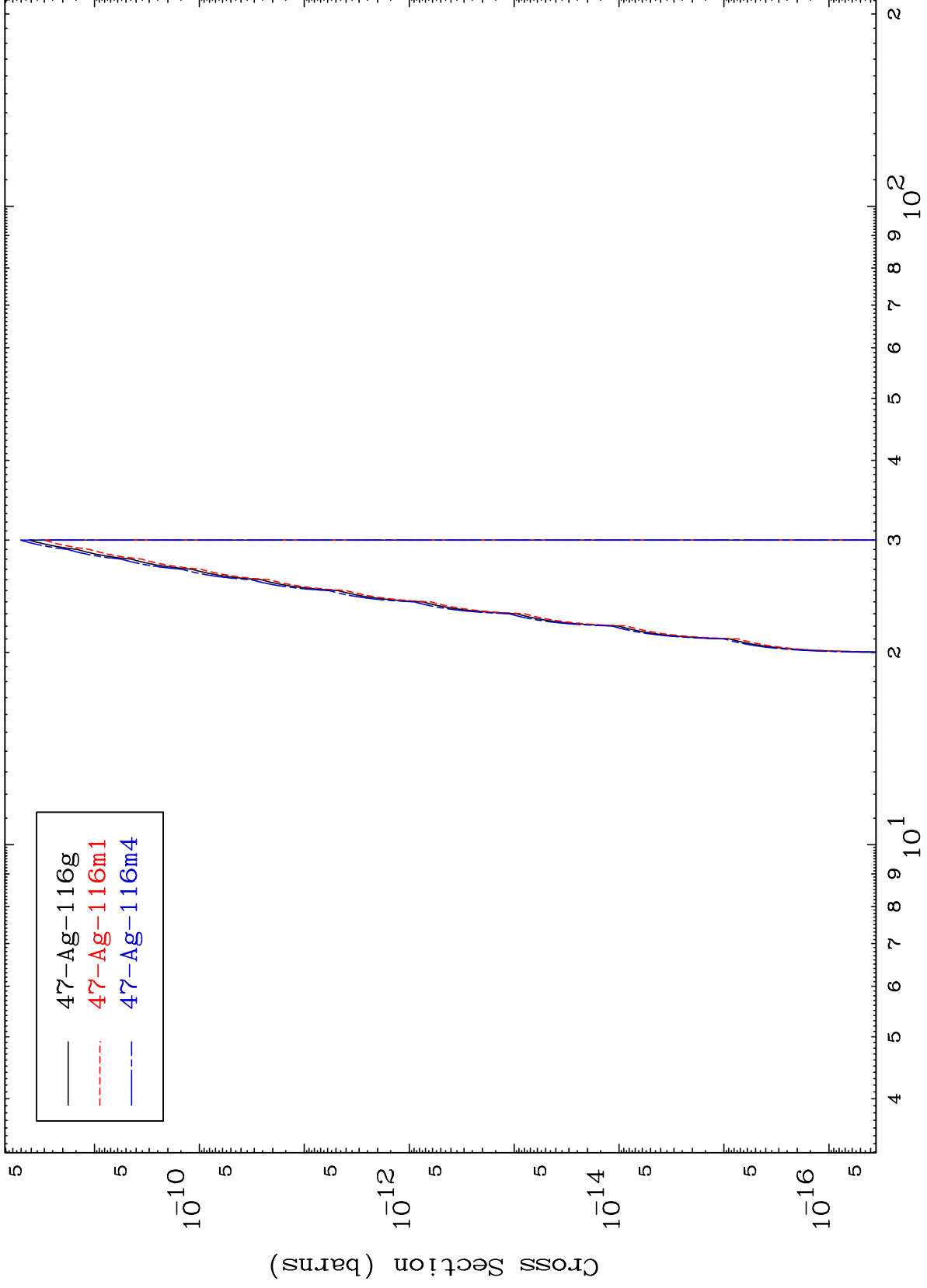


152

MAT 5131

51-Sb-123

(n,2α)
Radionuclide Production Cross Section

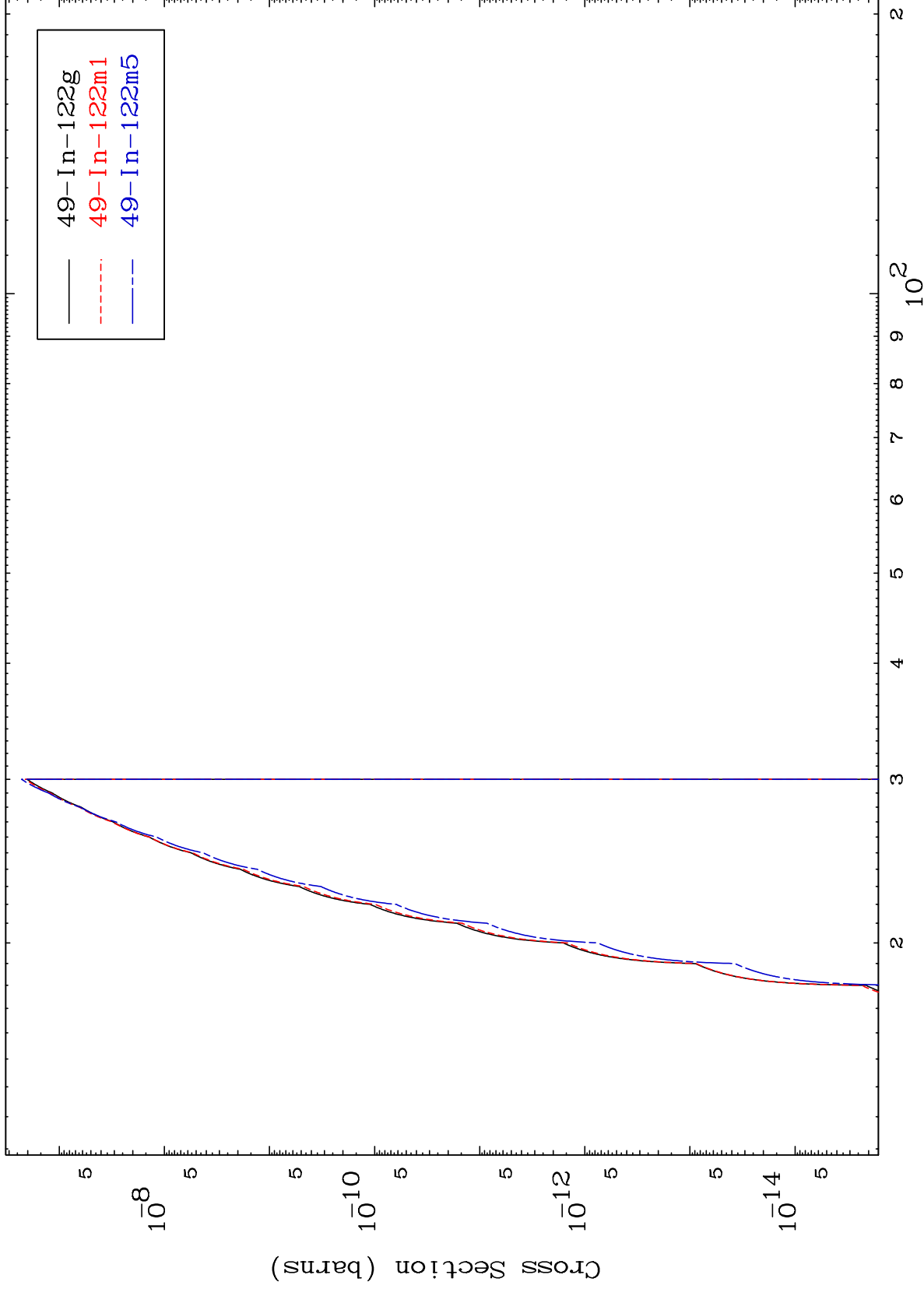


153

51-Sb-123

Incident Energy (MeV)

(n,2p)
Radionuclide Production Cross Section

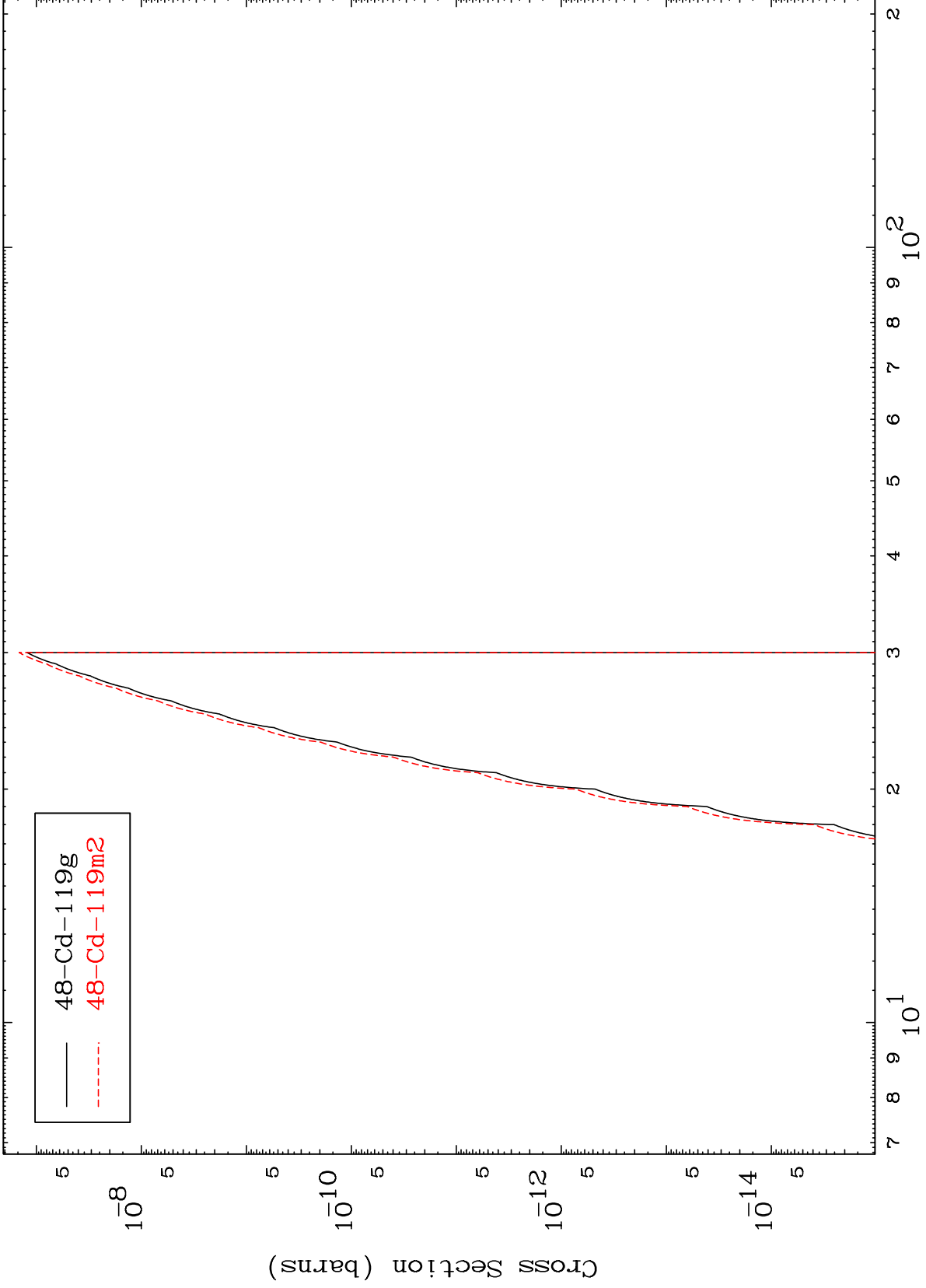


MAT 5131

(n,p) α

51-Sb-123

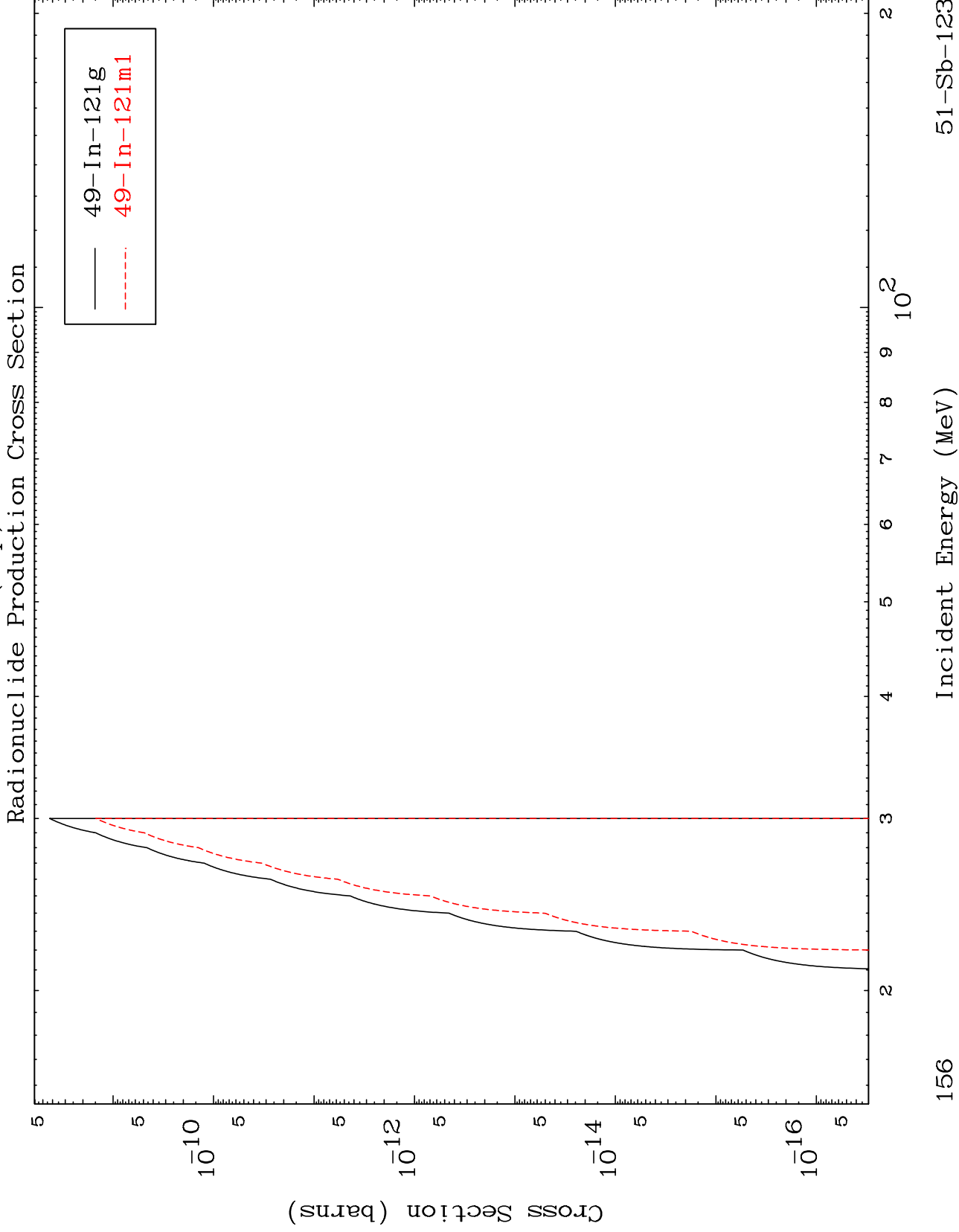
Radionuclide Production Cross Section



155

Incident Energy (MeV)

51-Sb-123



Radionuclide Production Cross Section

