

Program EVALPLOT
(Version 2021-1)

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

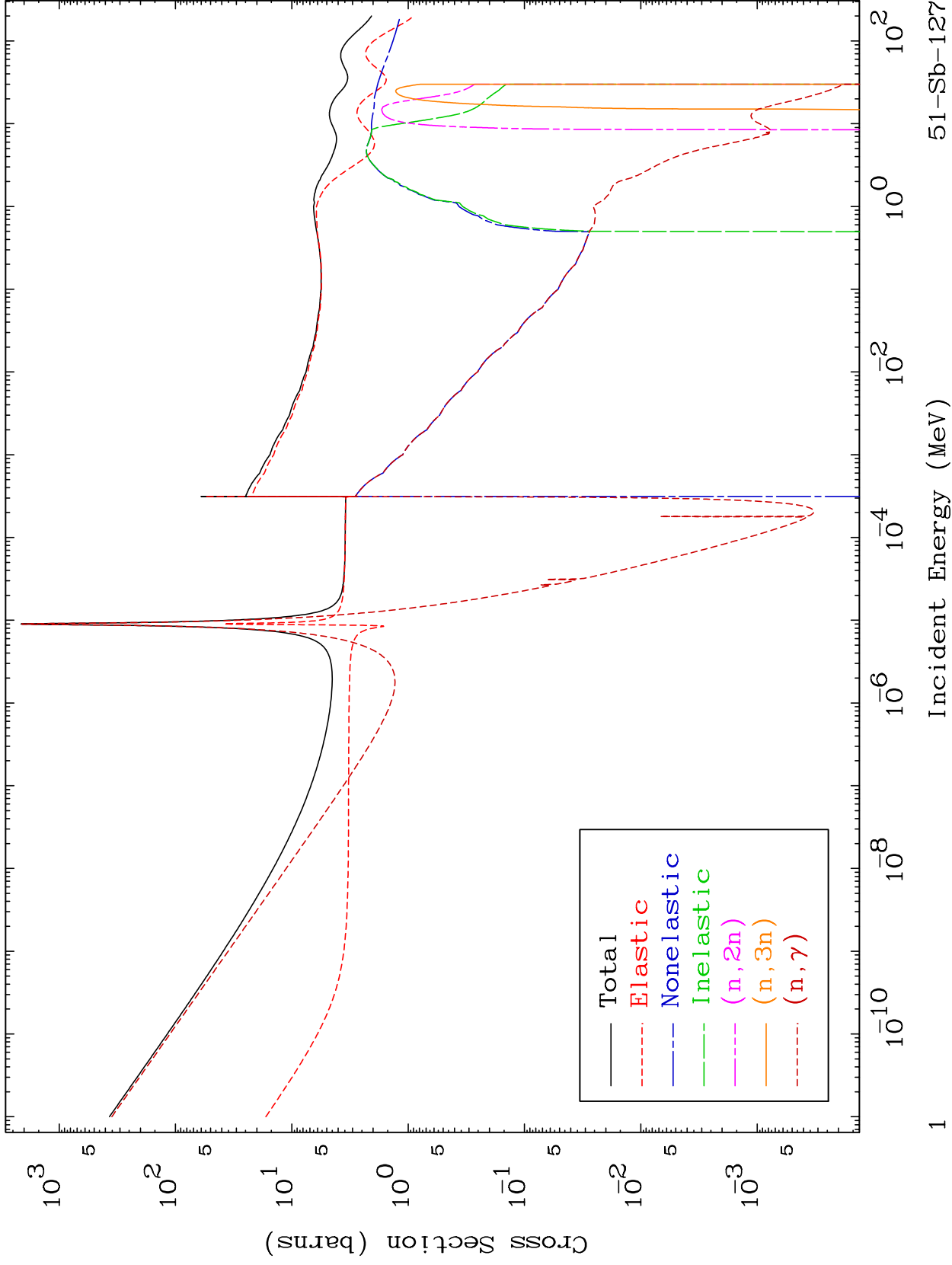
Web:redcullen1.net/HOMEPAGE.NEW

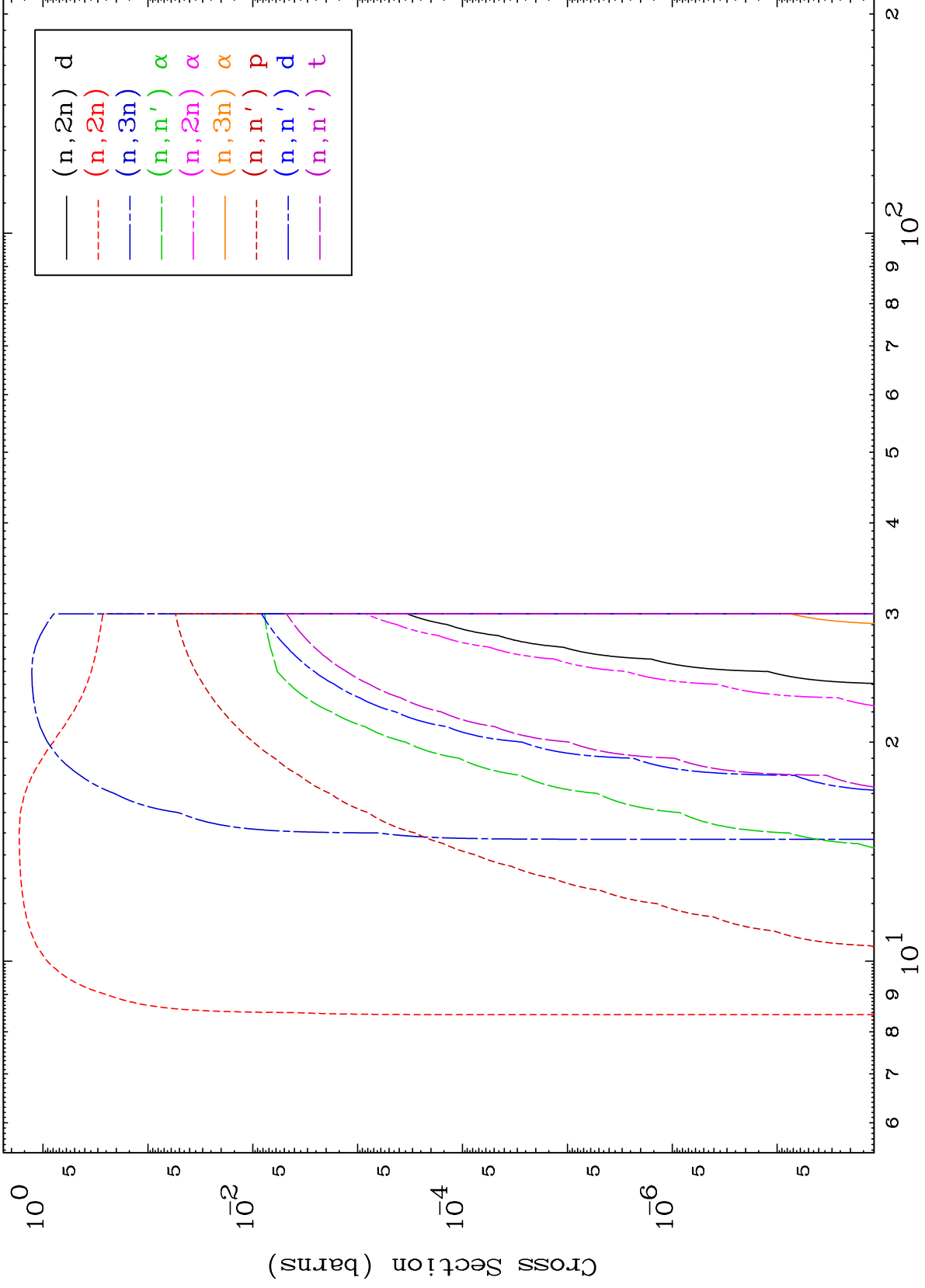
Press Mouse Button to Start

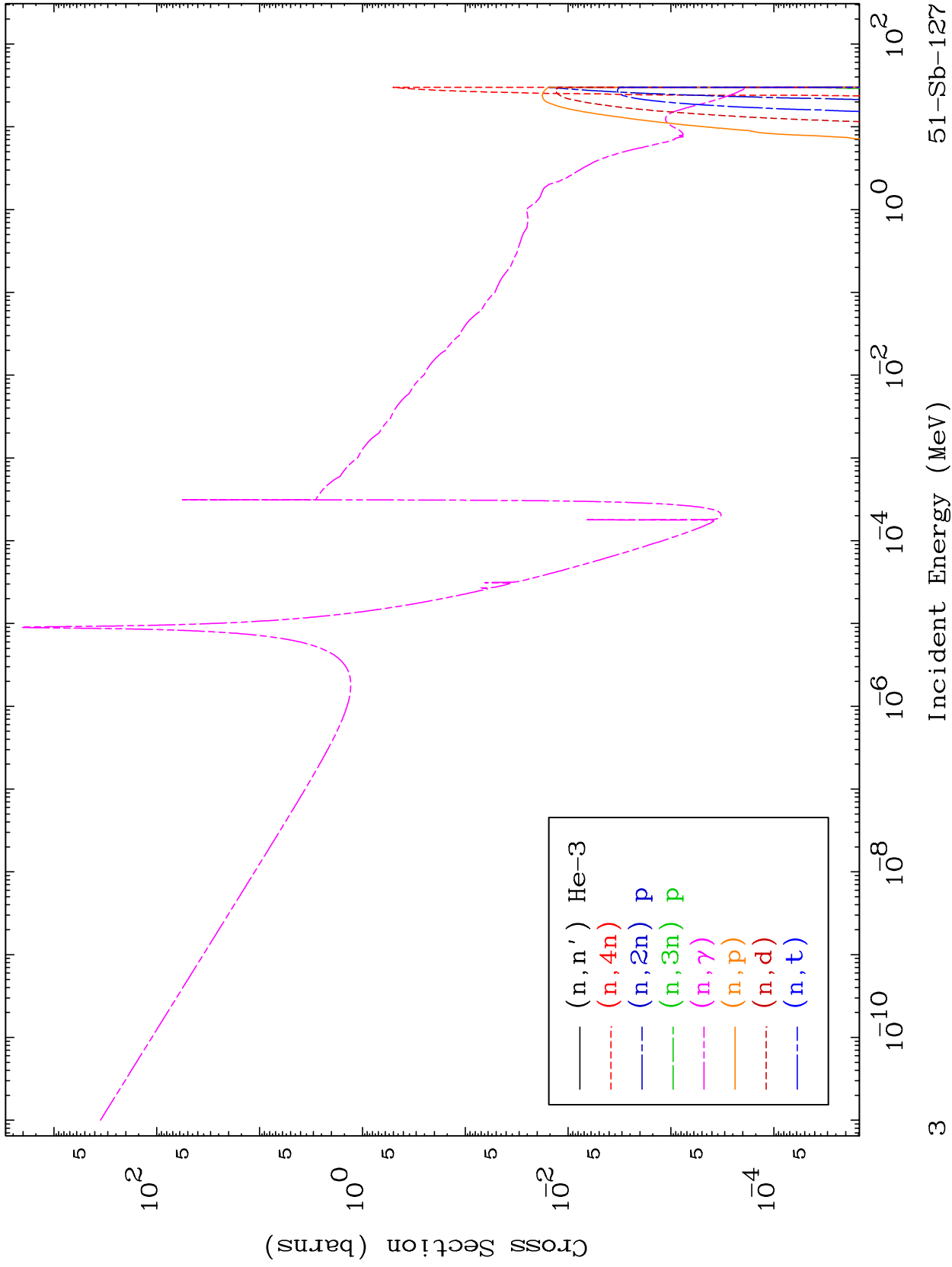
MAT 5143

Neutron Major
293 Kelvin Cross Sections

51-Sb-127



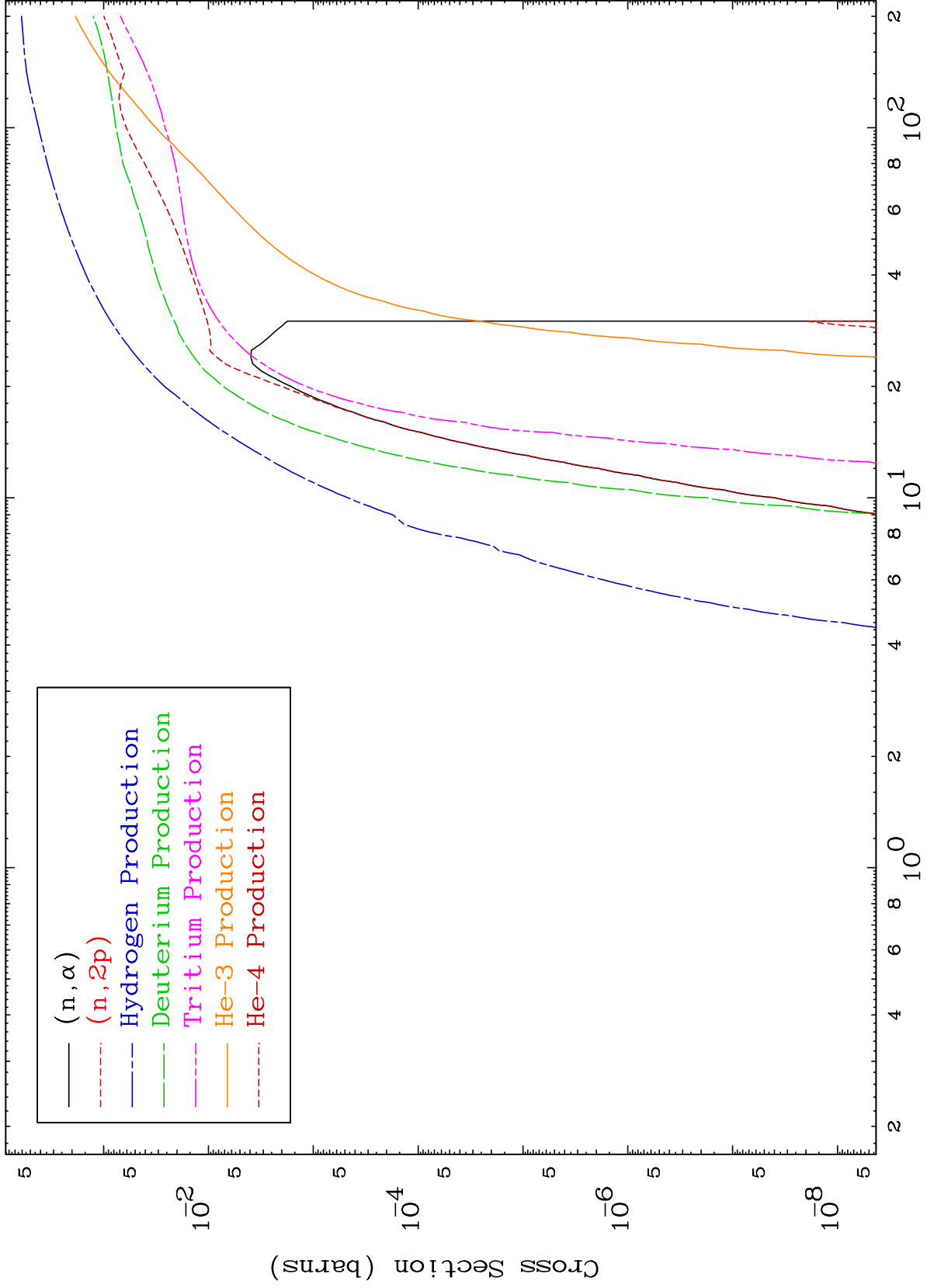




MAT 5143

Neutron Absorption
293 Kelvin Cross Sections

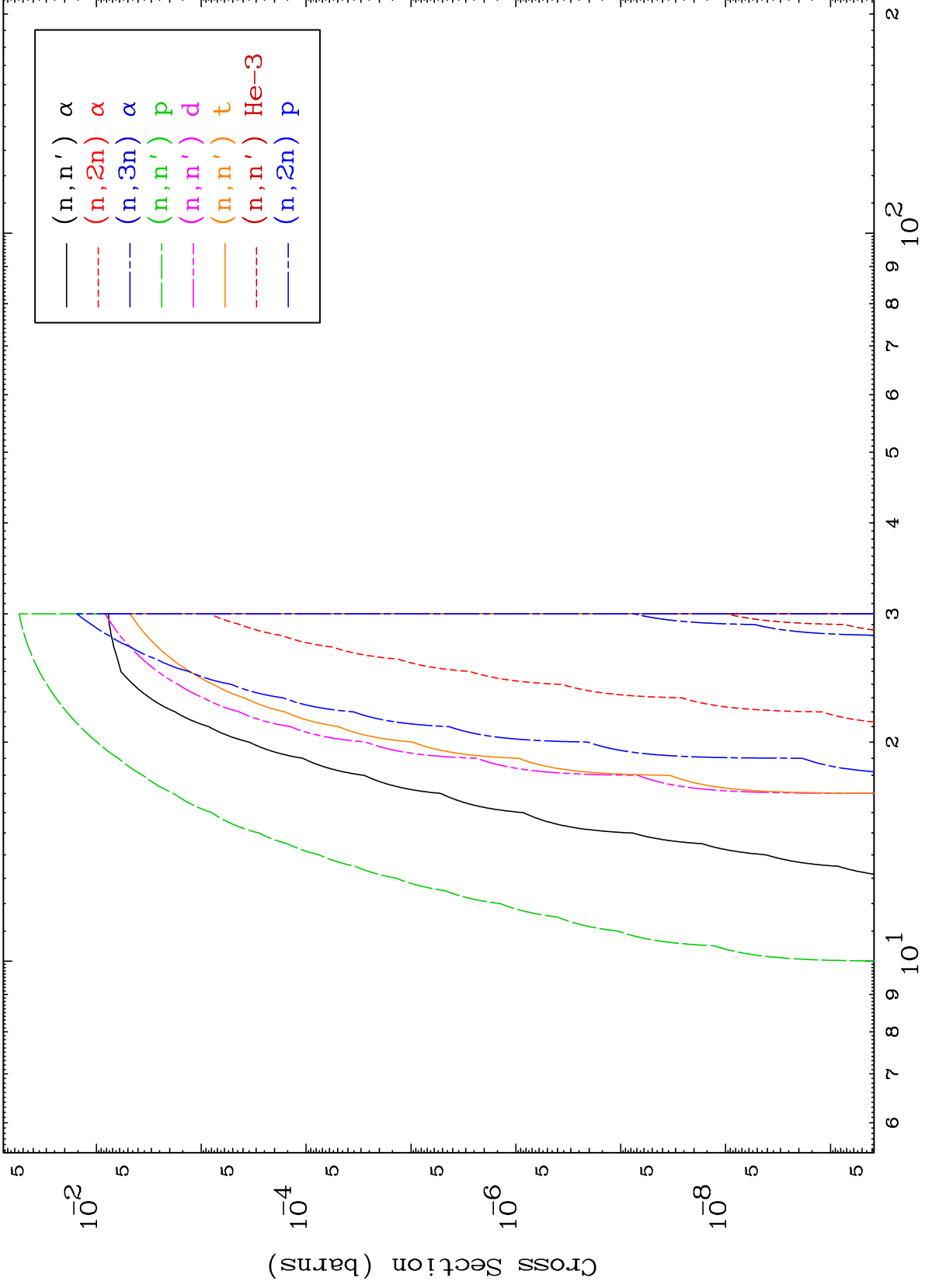
51-Sb-127



MAT 5143

Charged Particle
293 Kelvin Cross Sections

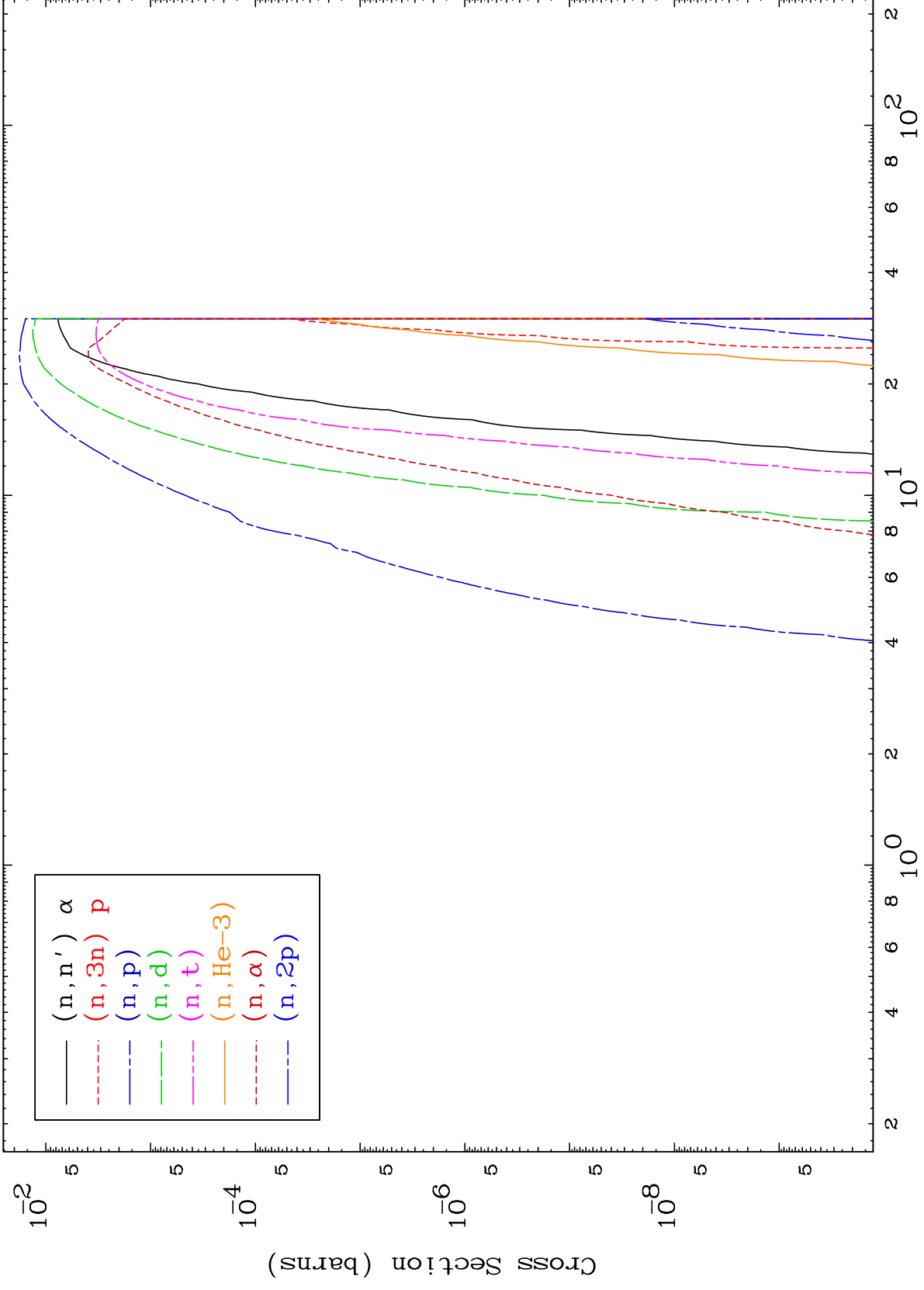
51-Sb-127



5

Incident Energy (MeV)

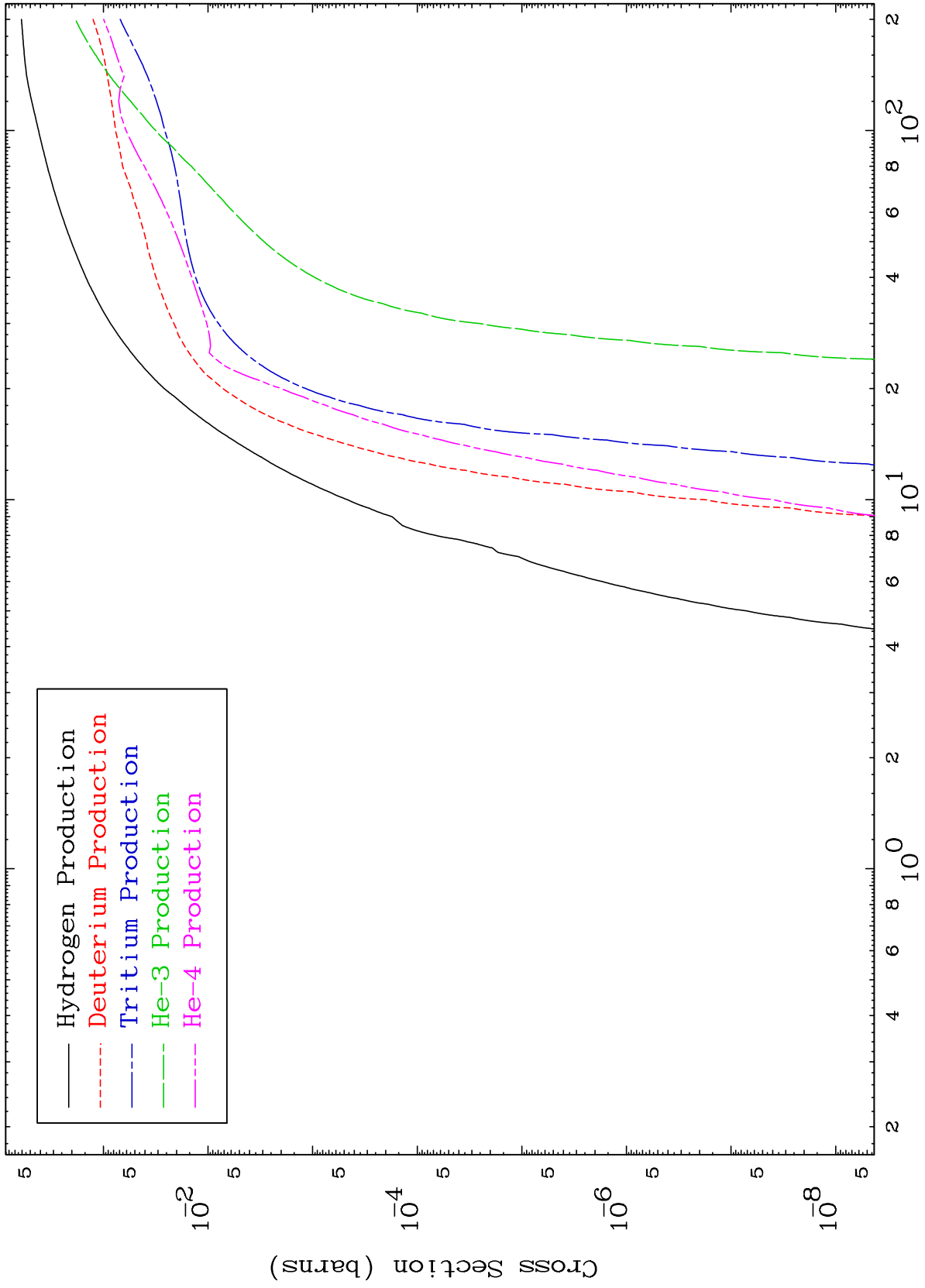
51-Sb-127



MAT 5143

Particle Production
293 Kelvin Cross Sections

51-Sb-127



7

Incident Energy (MeV)

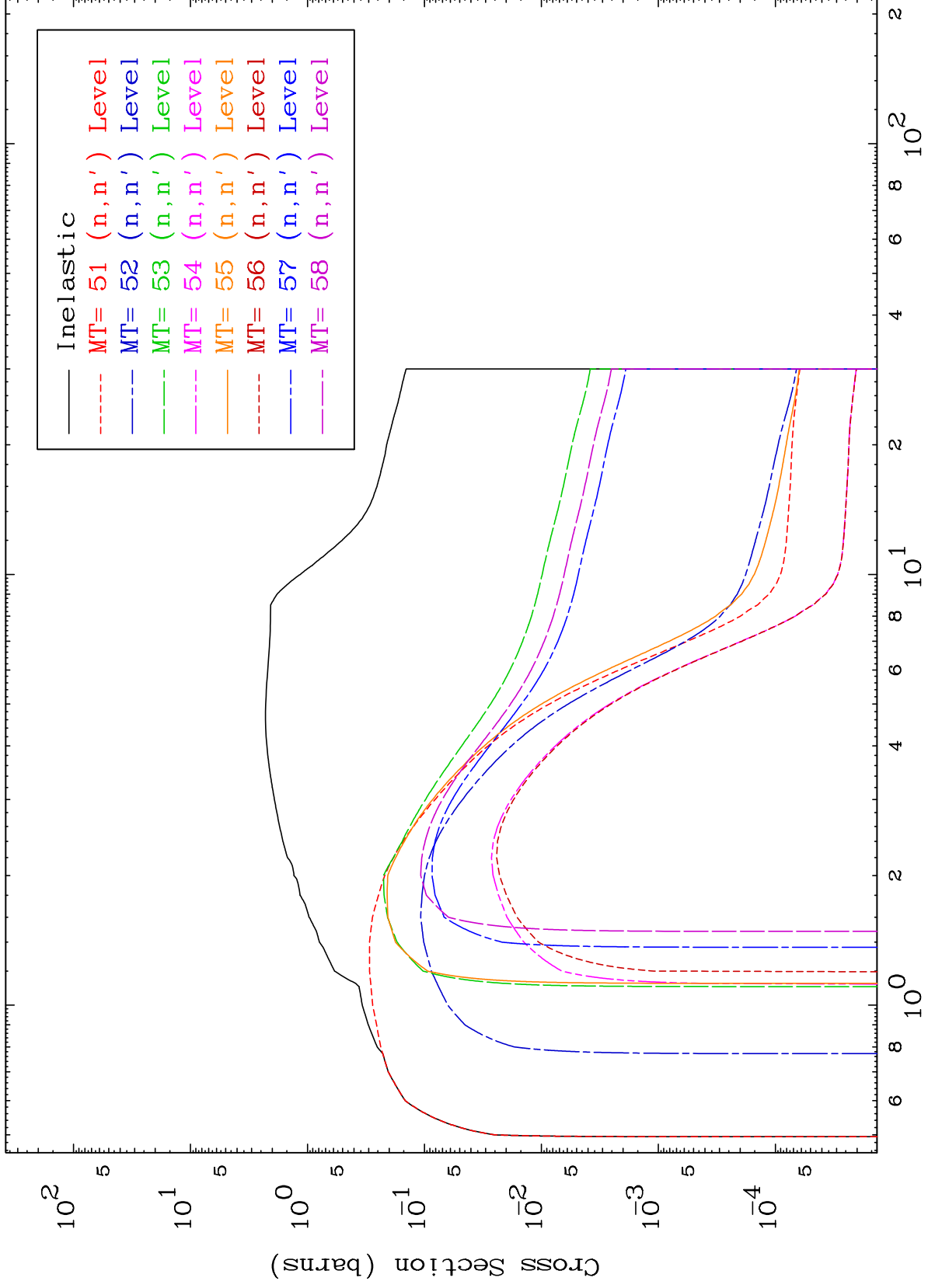
51-Sb-127

MAT 5143

(n,n') Levels

51-Sb-127

293 Kelvin Cross Sections

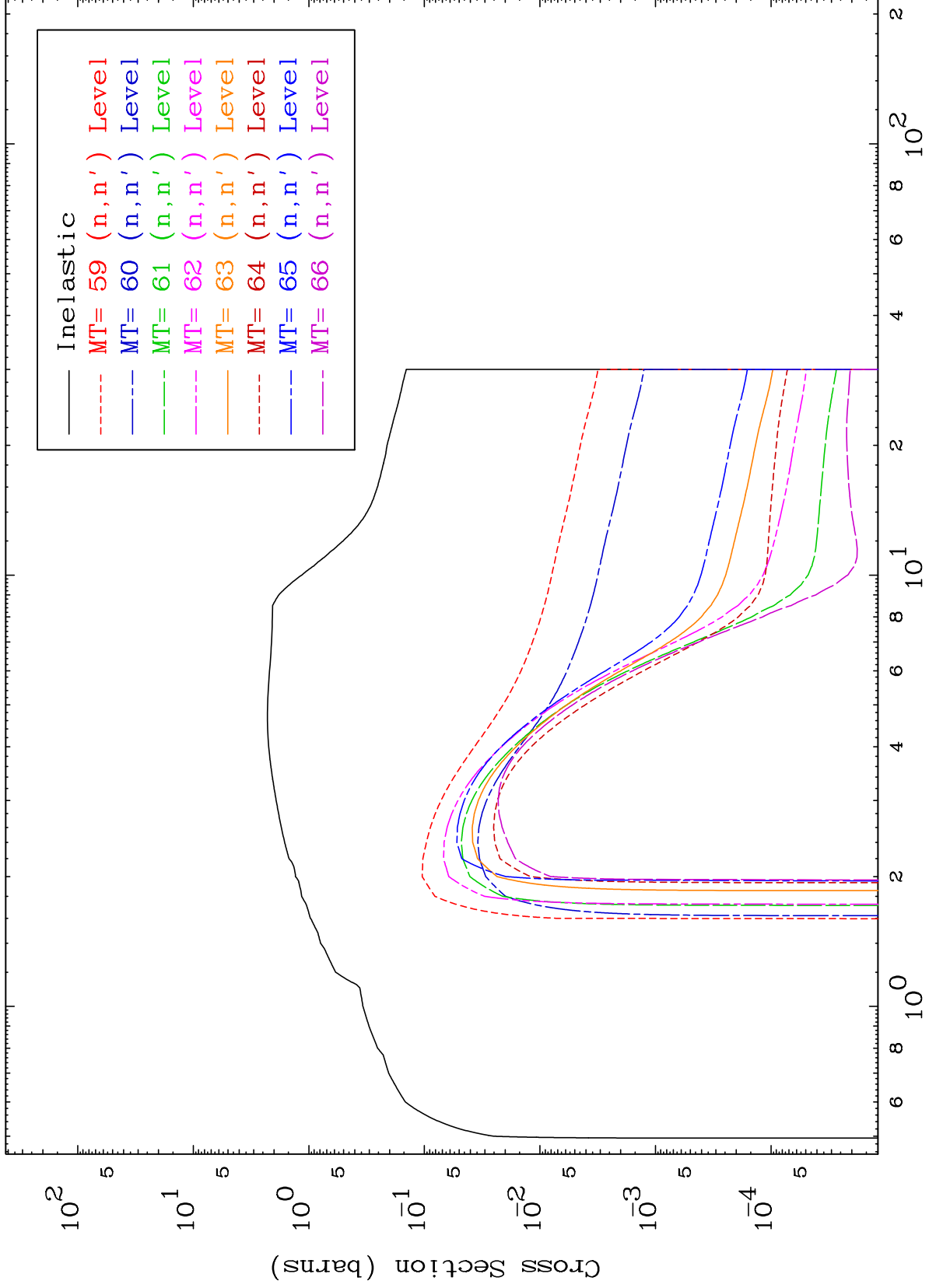


8

Incident Energy (MeV)

51-Sb-127

293 Kelvin Cross Sections

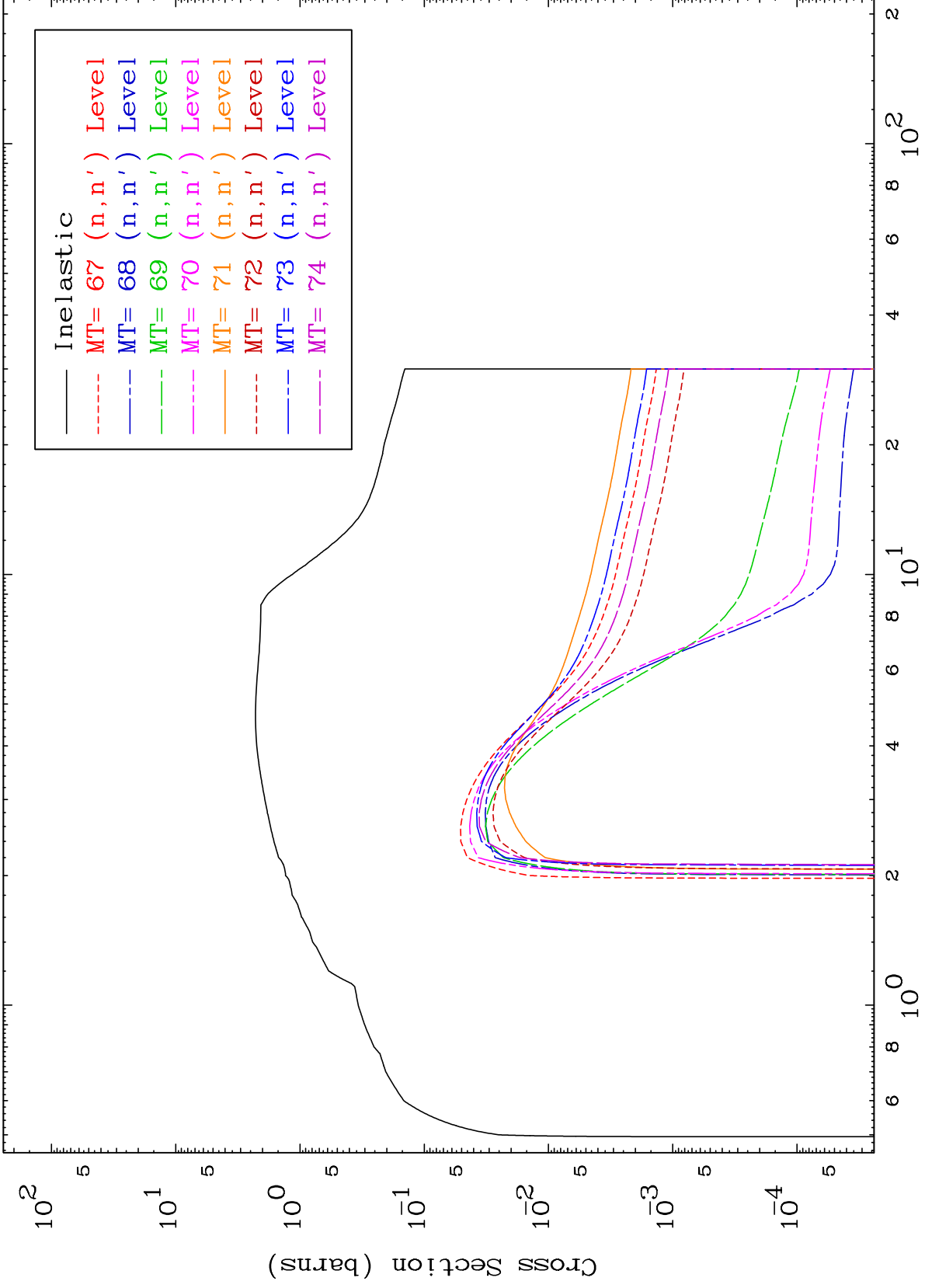


MAT 5143

(n,n') Levels

293 Kelvin Cross Sections

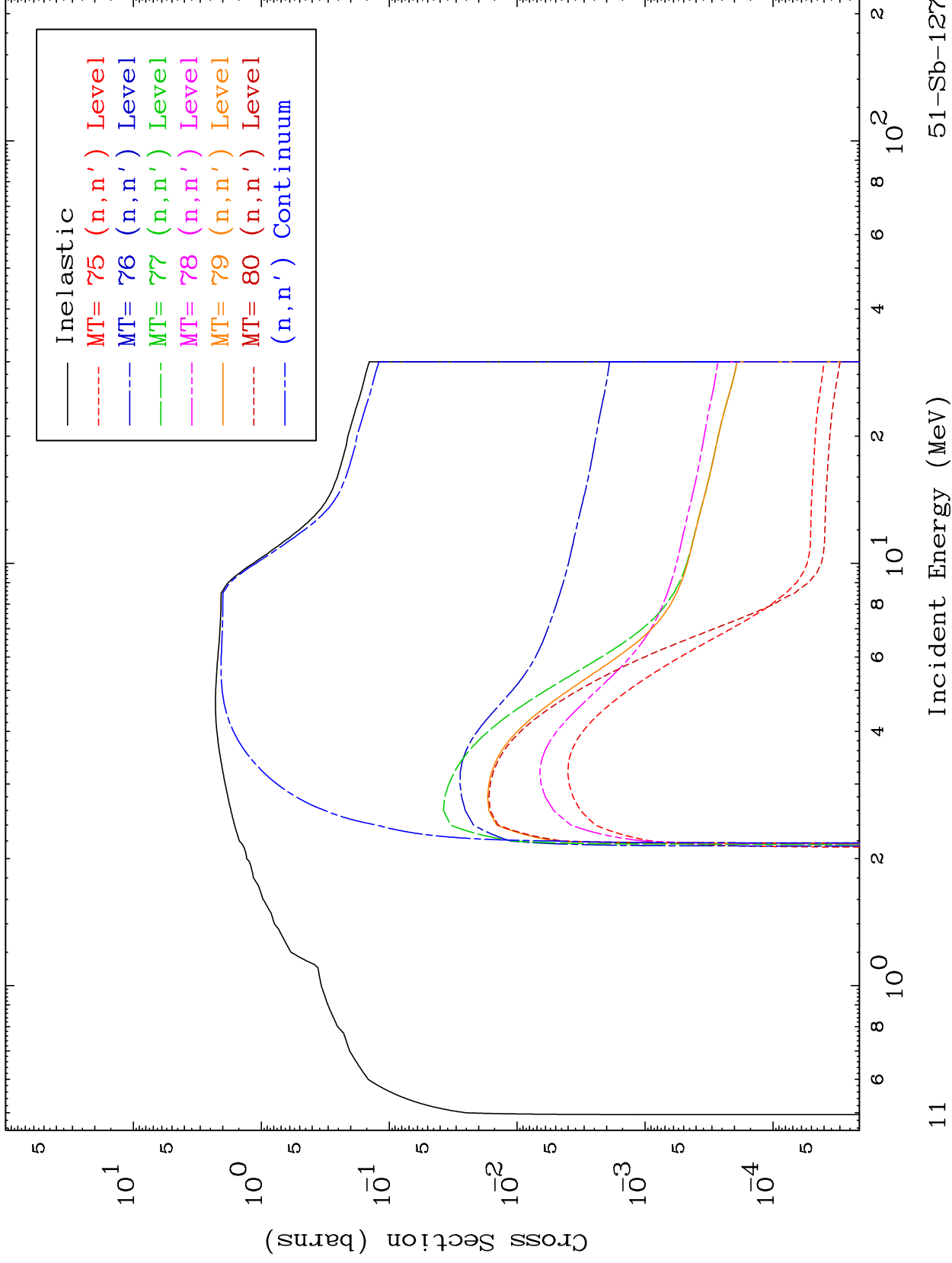
51-Sb-127



10

Incident Energy (MeV)

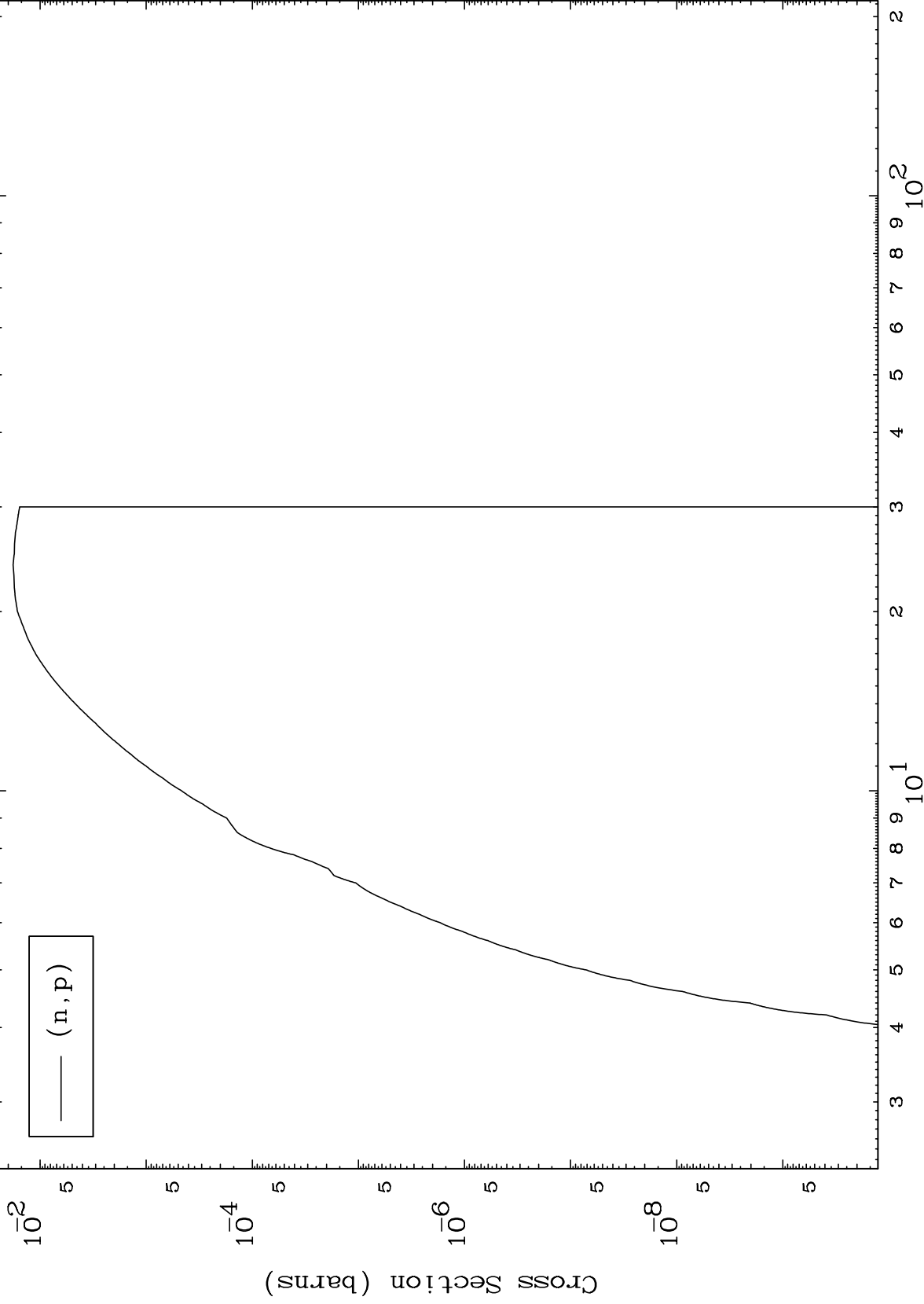
51-Sb-127



MAT 5143

(n,p) Levels
293 Kelvin Cross Sections

51-Sb-127



12

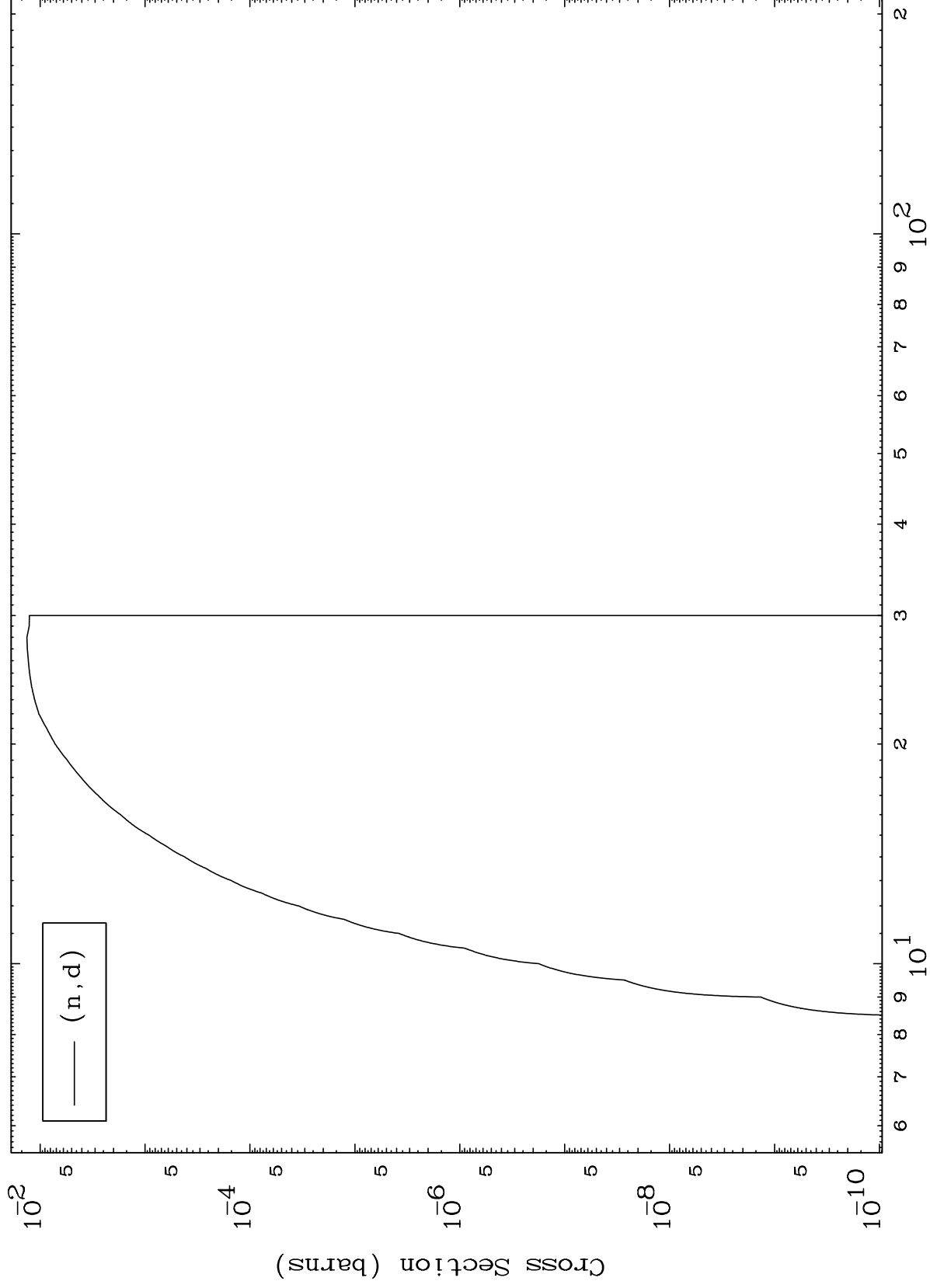
Incident Energy (MeV)

51-Sb-127

MAT 5143

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-127



13

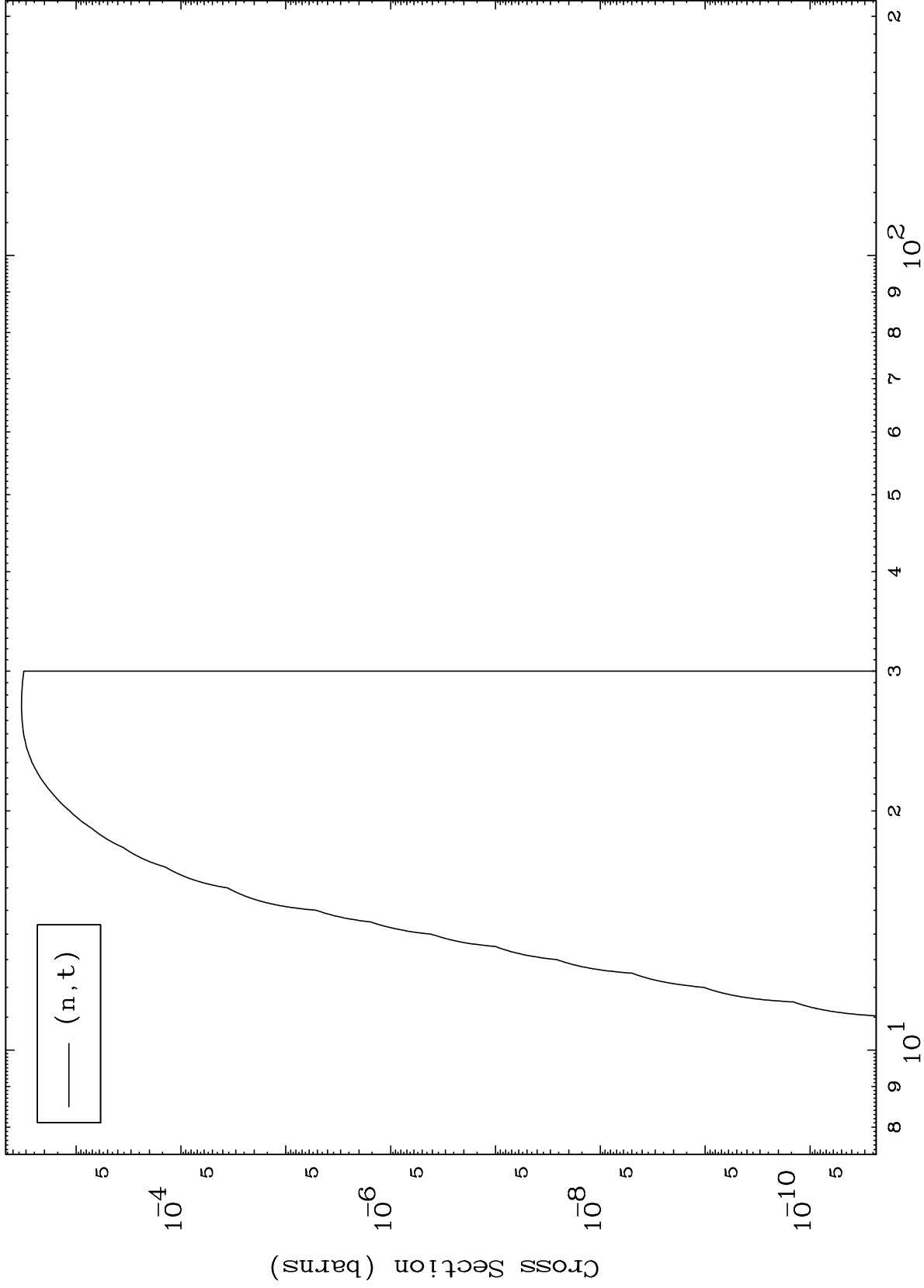
Incident Energy (MeV)

51-Sb-127

MAT 5143

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-127



14

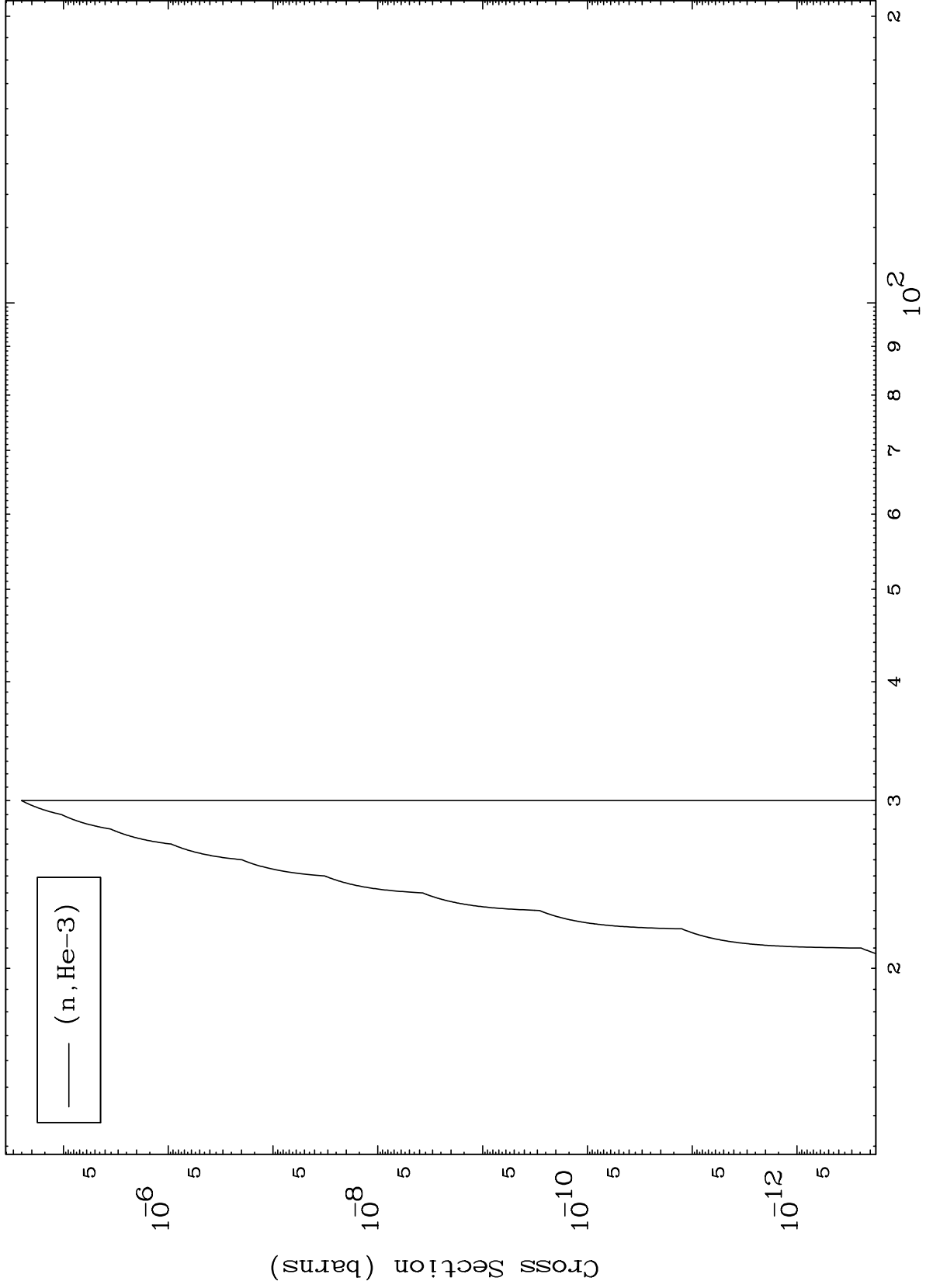
Incident Energy (MeV)

51-Sb-127

MAT 5143

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-127



15

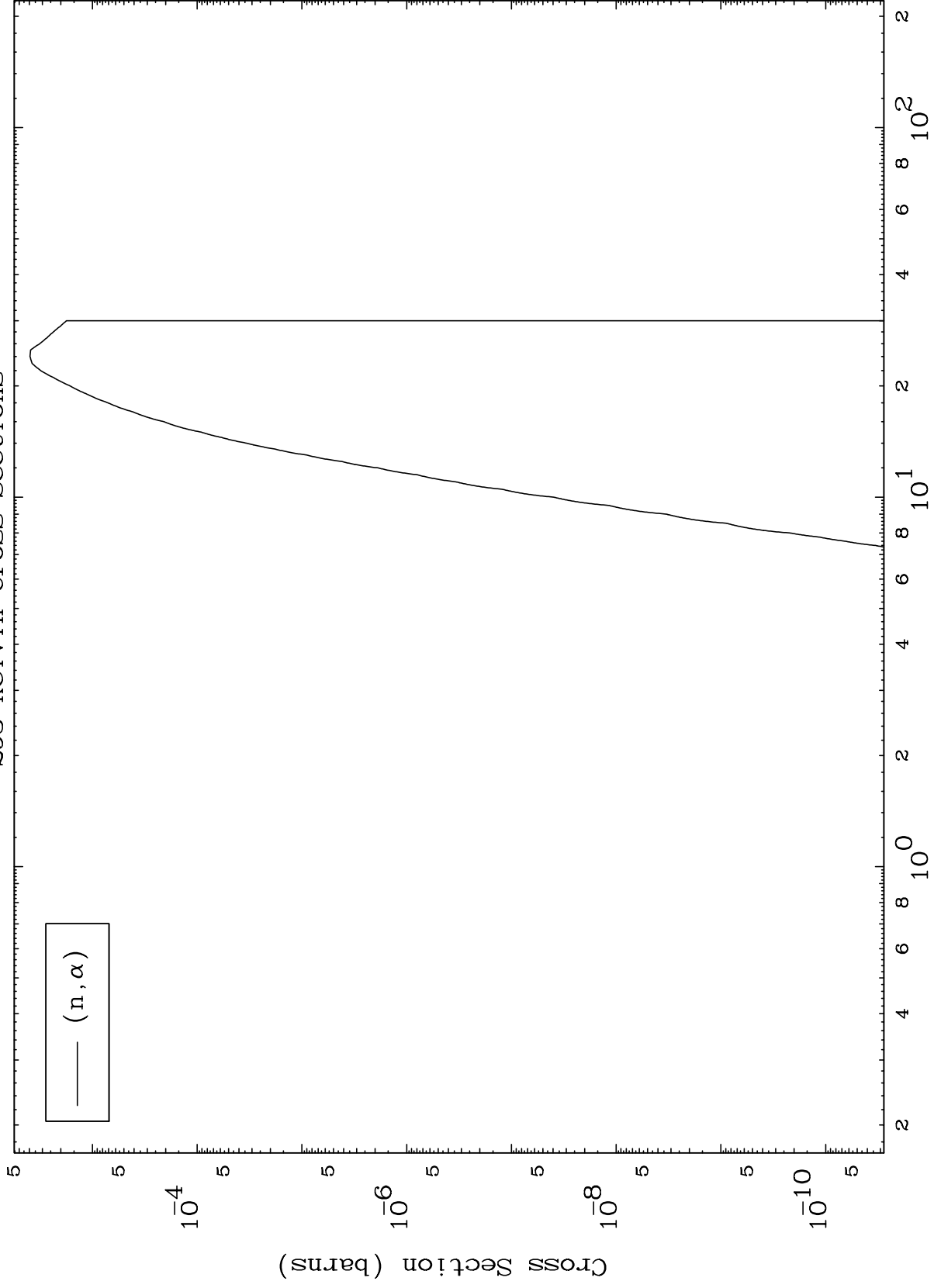
Incident Energy (MeV)

51-Sb-127

MAT 5143

(n, α) Levels
293 Kelvin Cross Sections

51-Sb-127



(n, α)

Incident Energy (MeV)

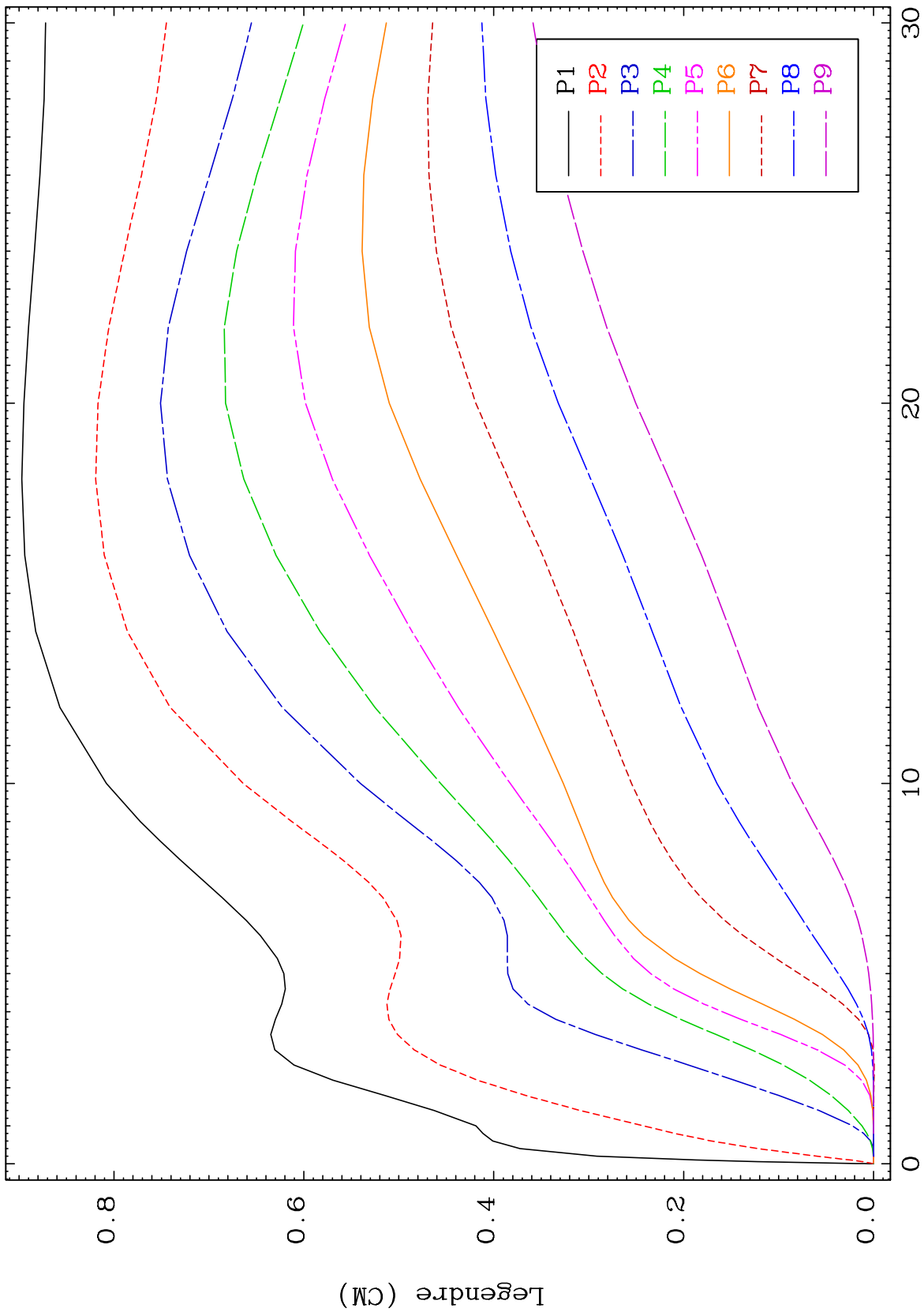
51-Sb-127

16

MAT 5143

51-Sb-127

Elastic Legendre Coefficients



17

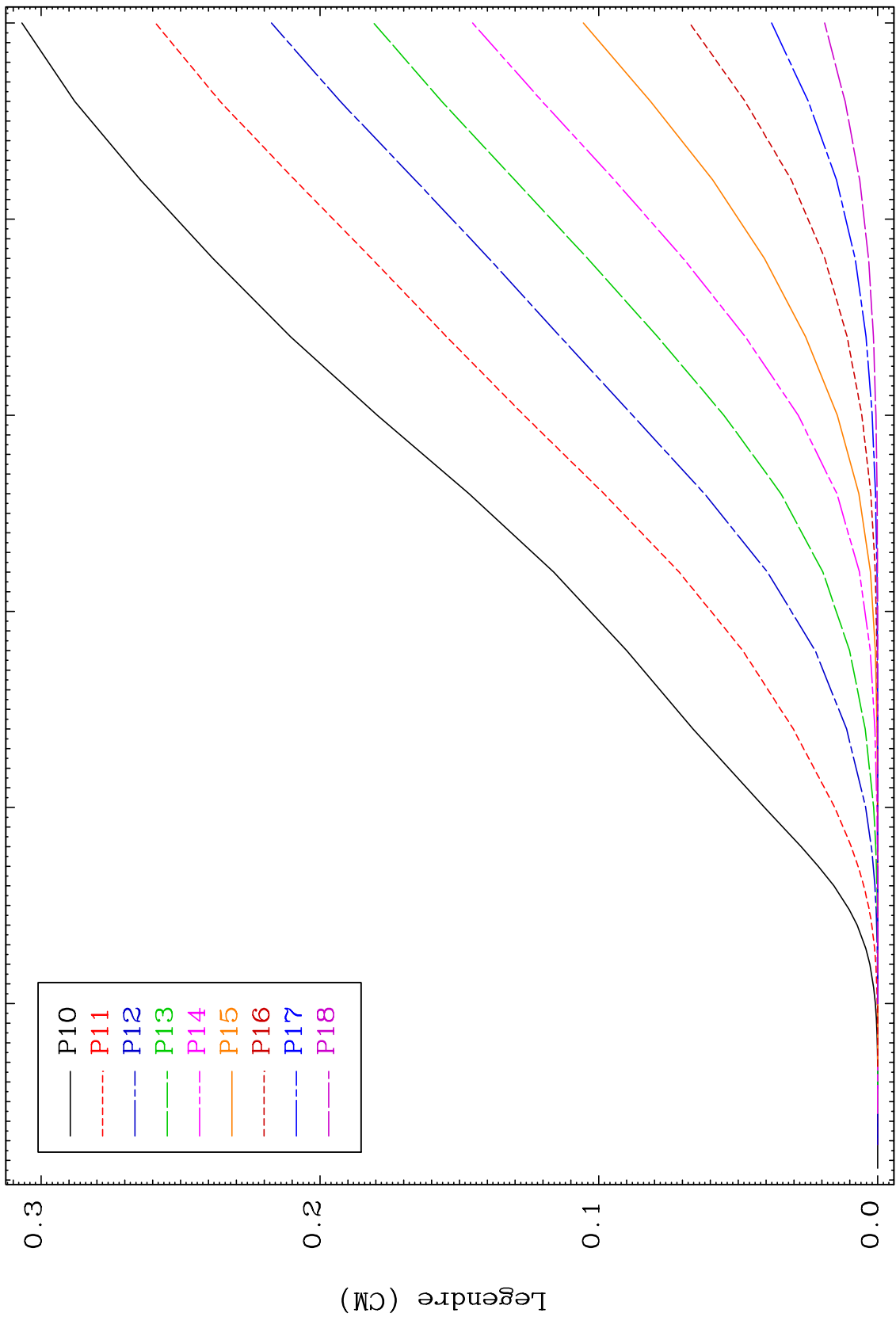
Incident Energy (MeV)

51-Sb-127

MAT 5143

Elastic Legendre Coefficients

51-Sb-127



18

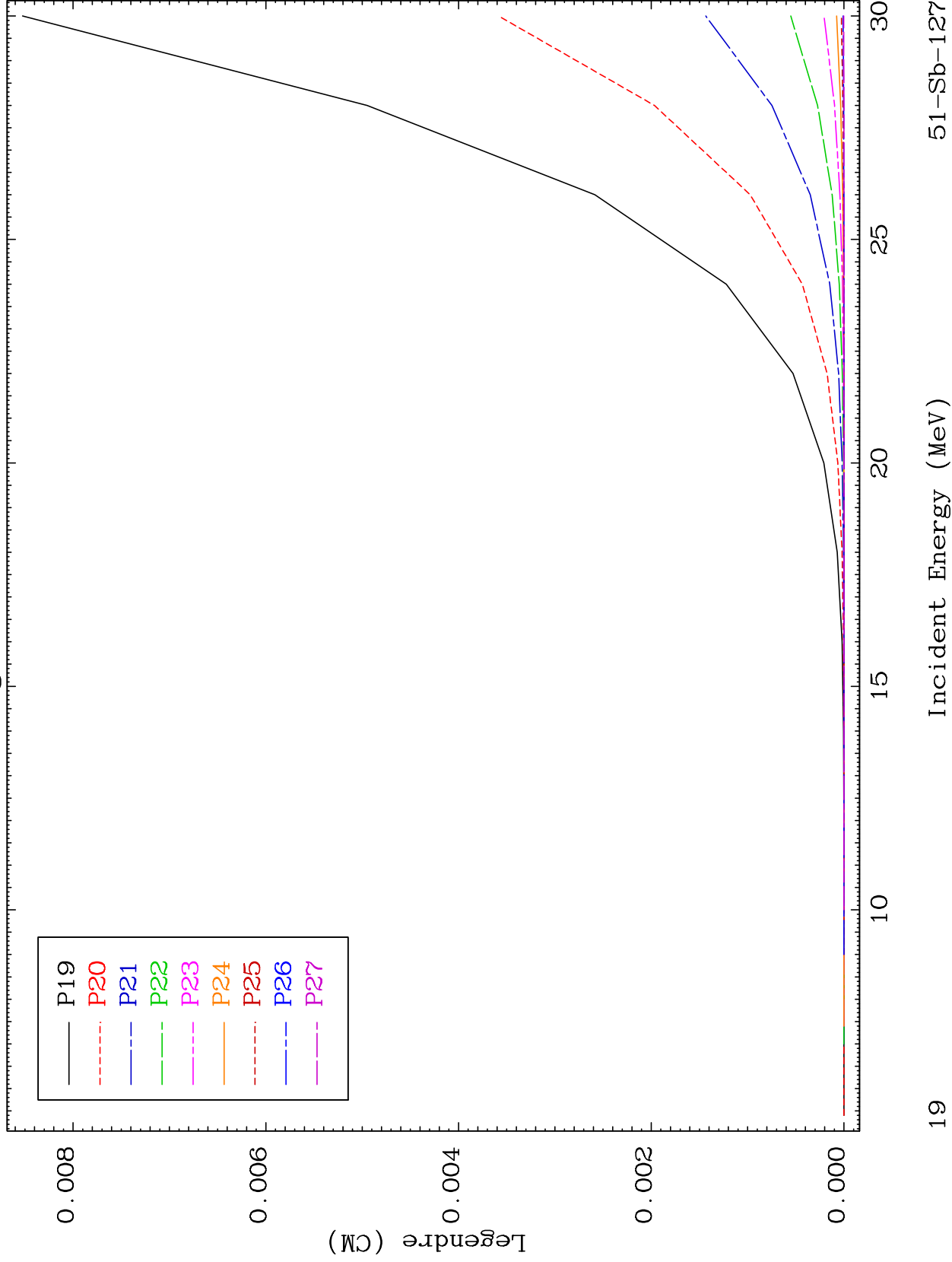
Incident Energy (MeV)

51-Sb-127

MAT 5143

Elastic Legendre Coefficients

51-Sb-127



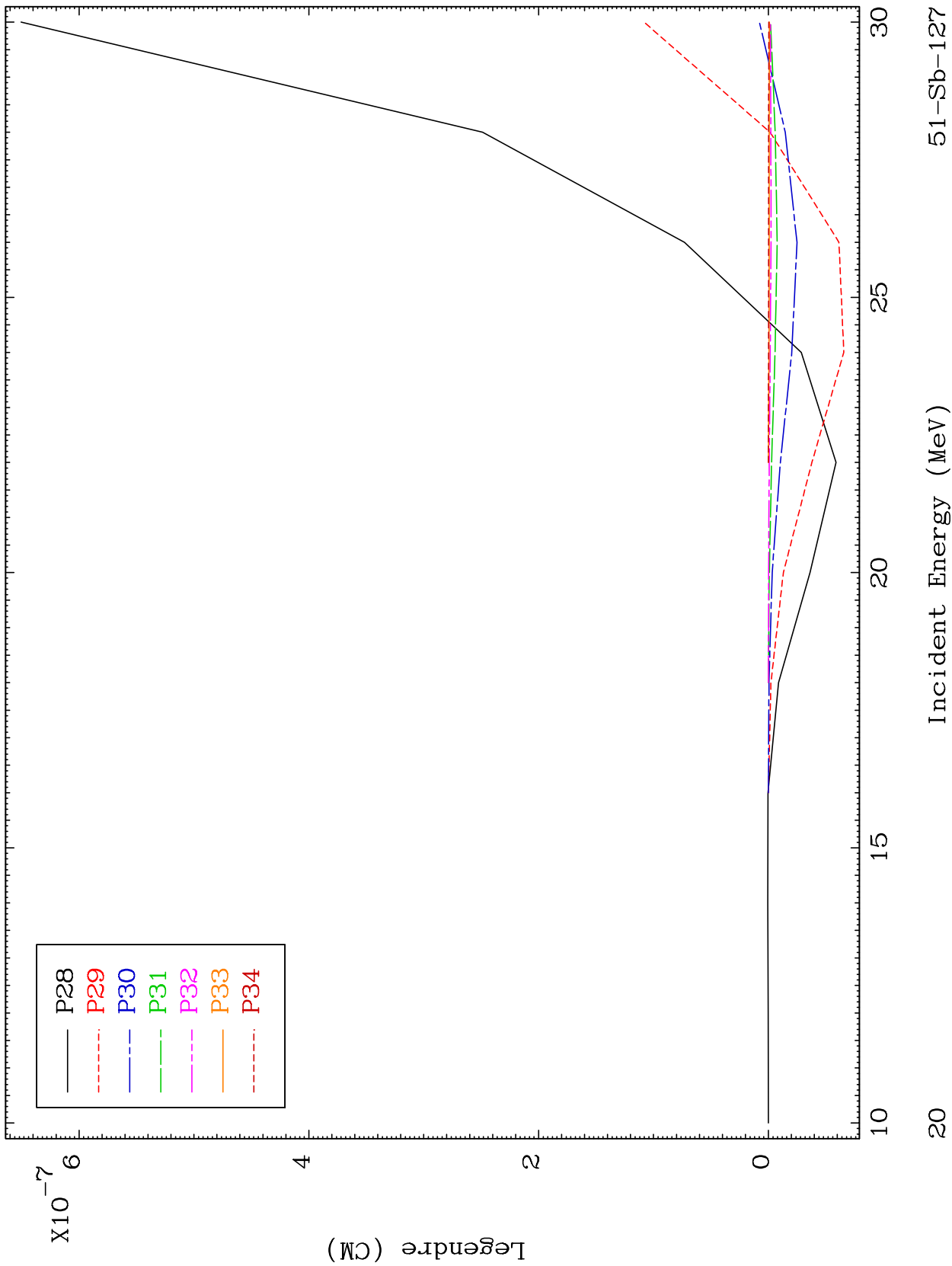
19

51-Sb-127

MAT 5143

Elastic Legendre Coefficients

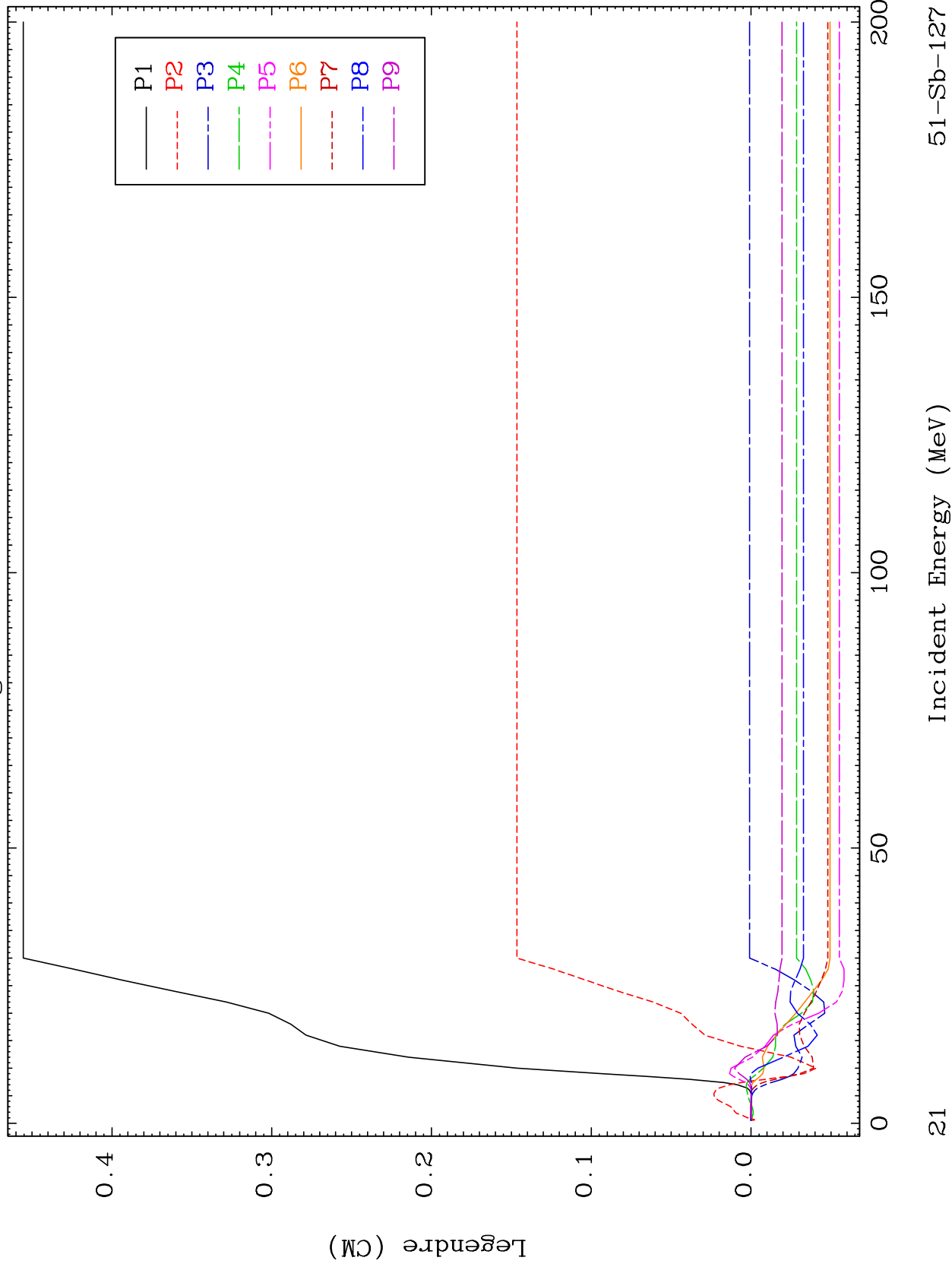
51-Sb-127



MAT 5143

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

51-Sb-127



51-Sb-127

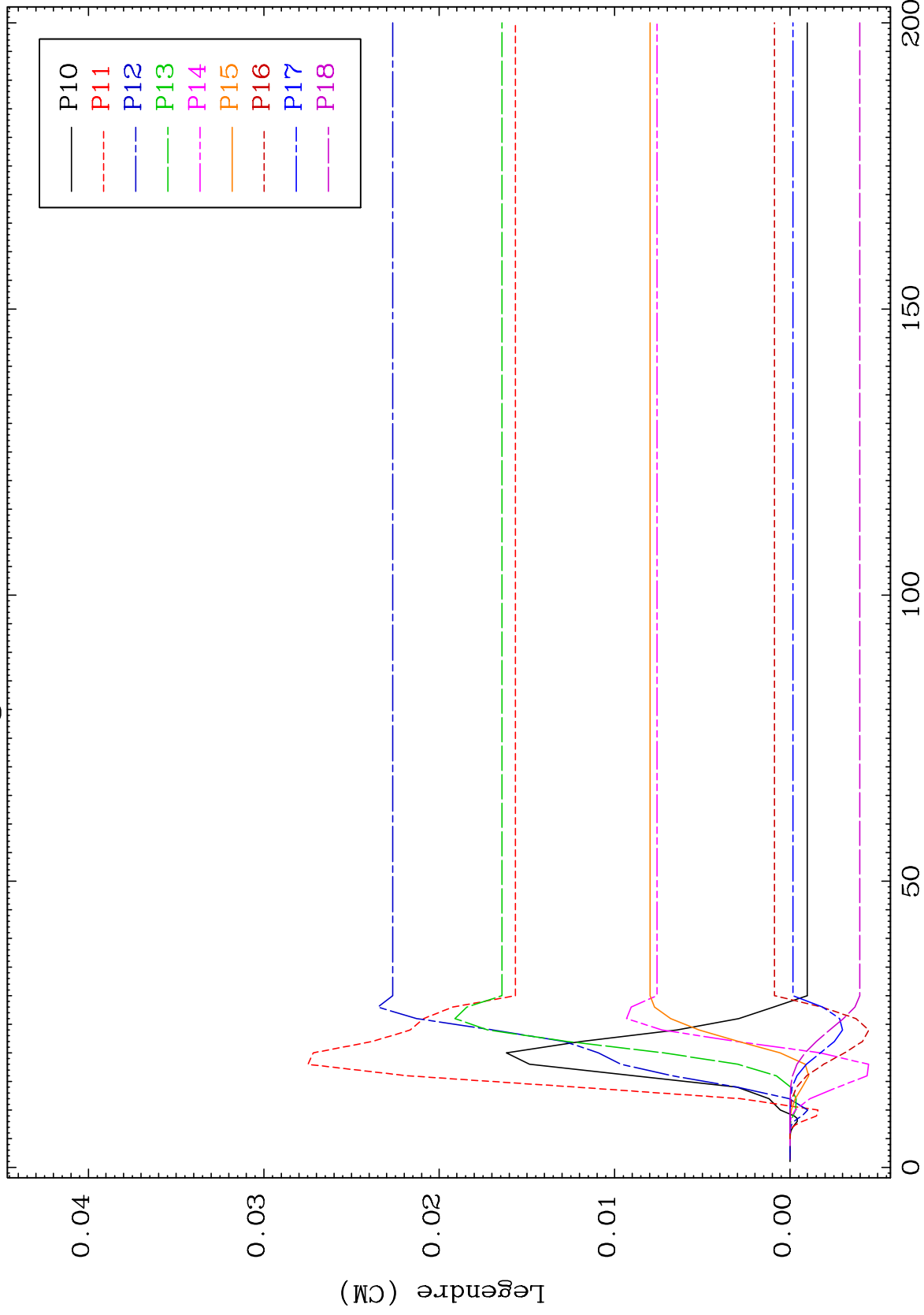
Incident Energy (MeV)

21

MAT 5143

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

51-Sb-127



22

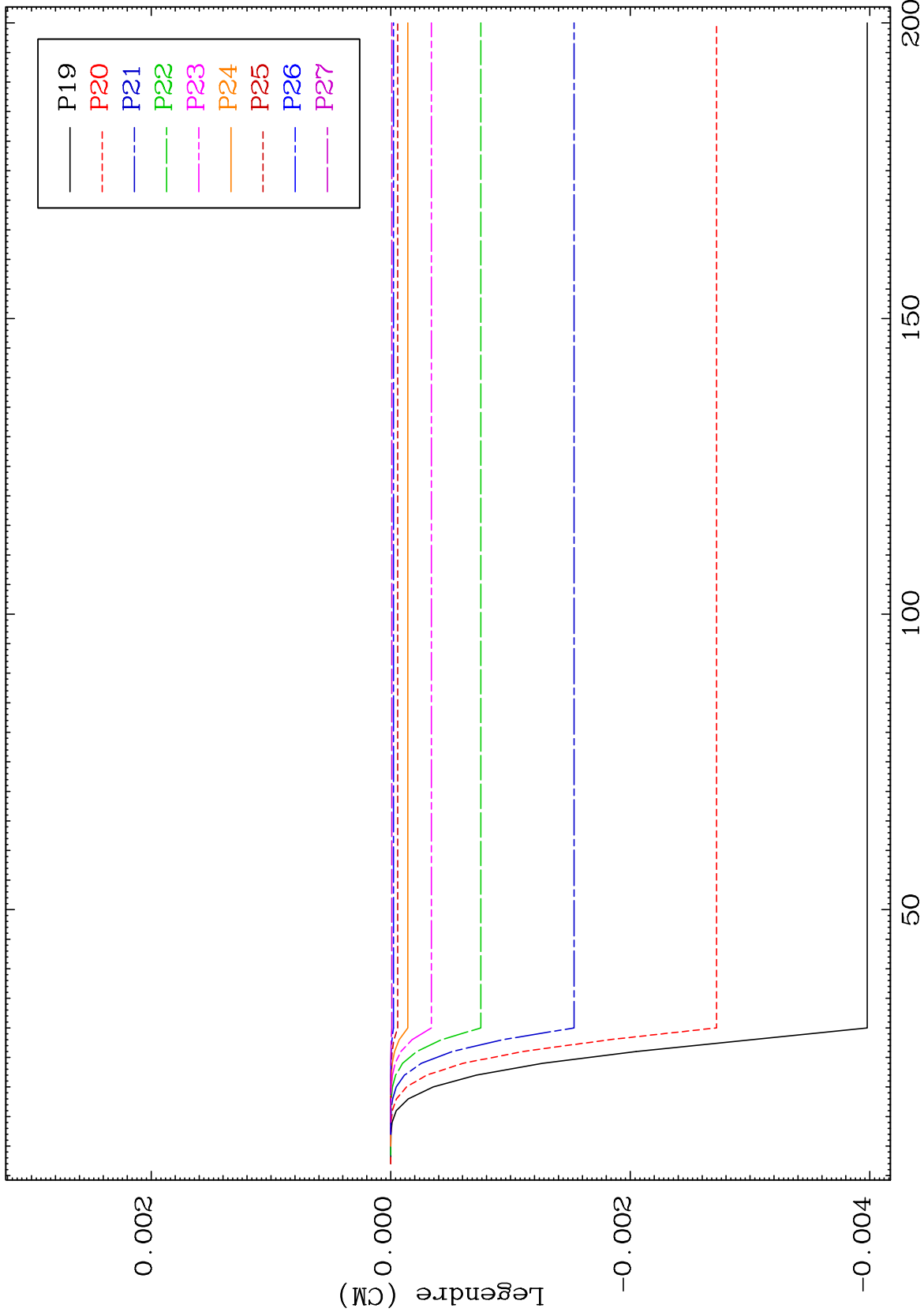
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

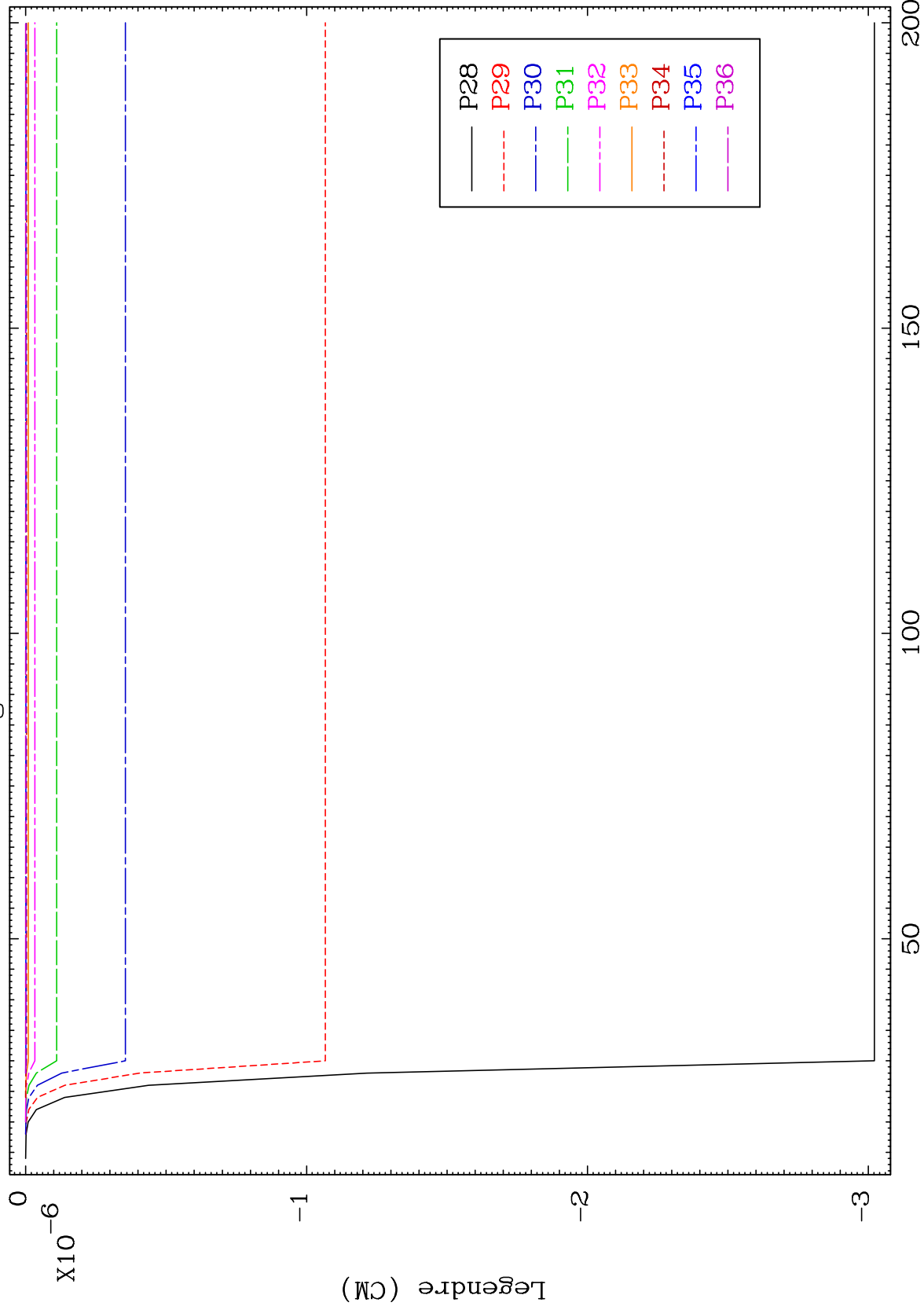
51-Sb-127



MAT 5143

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

51-Sb-127



24

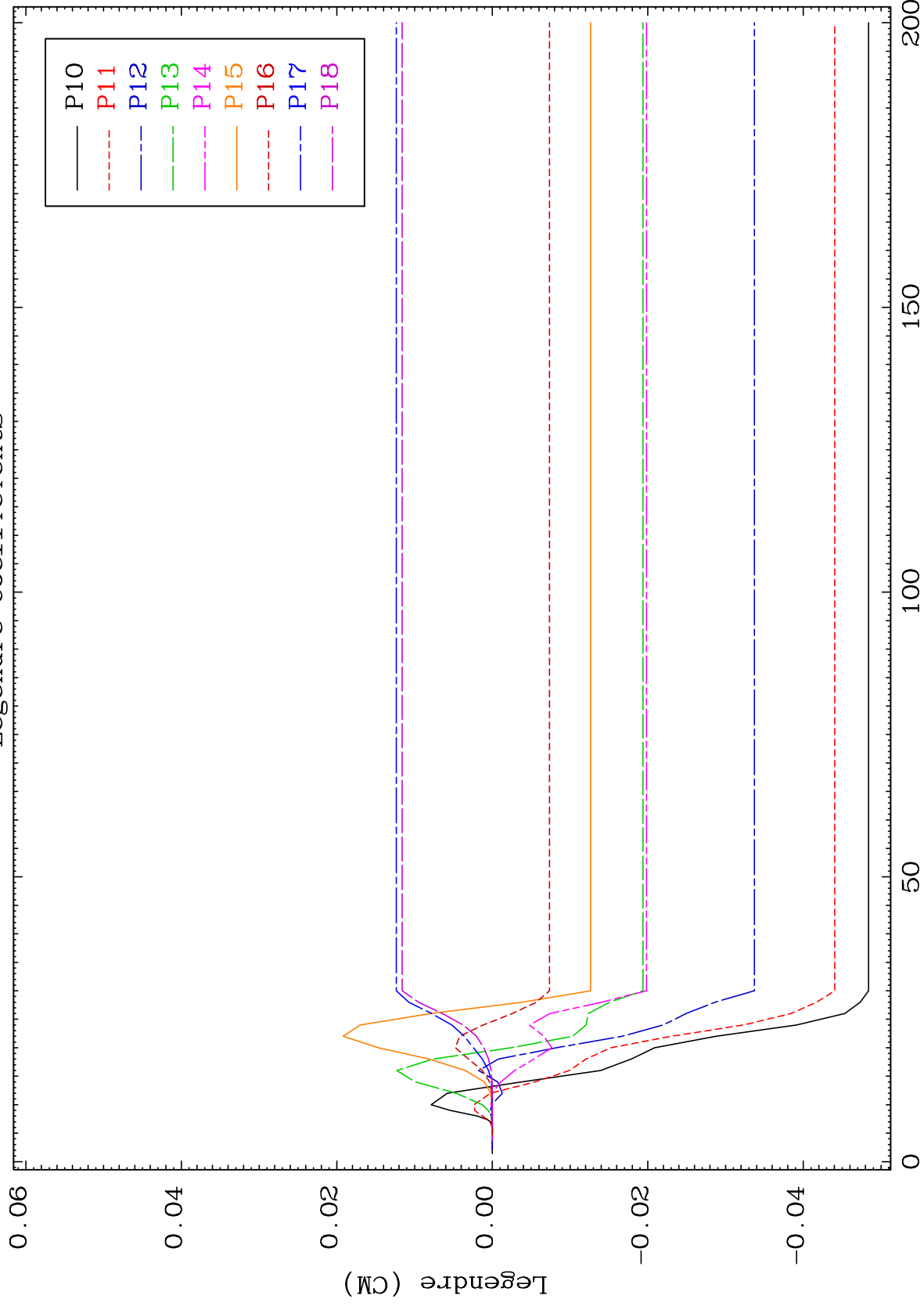
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



26

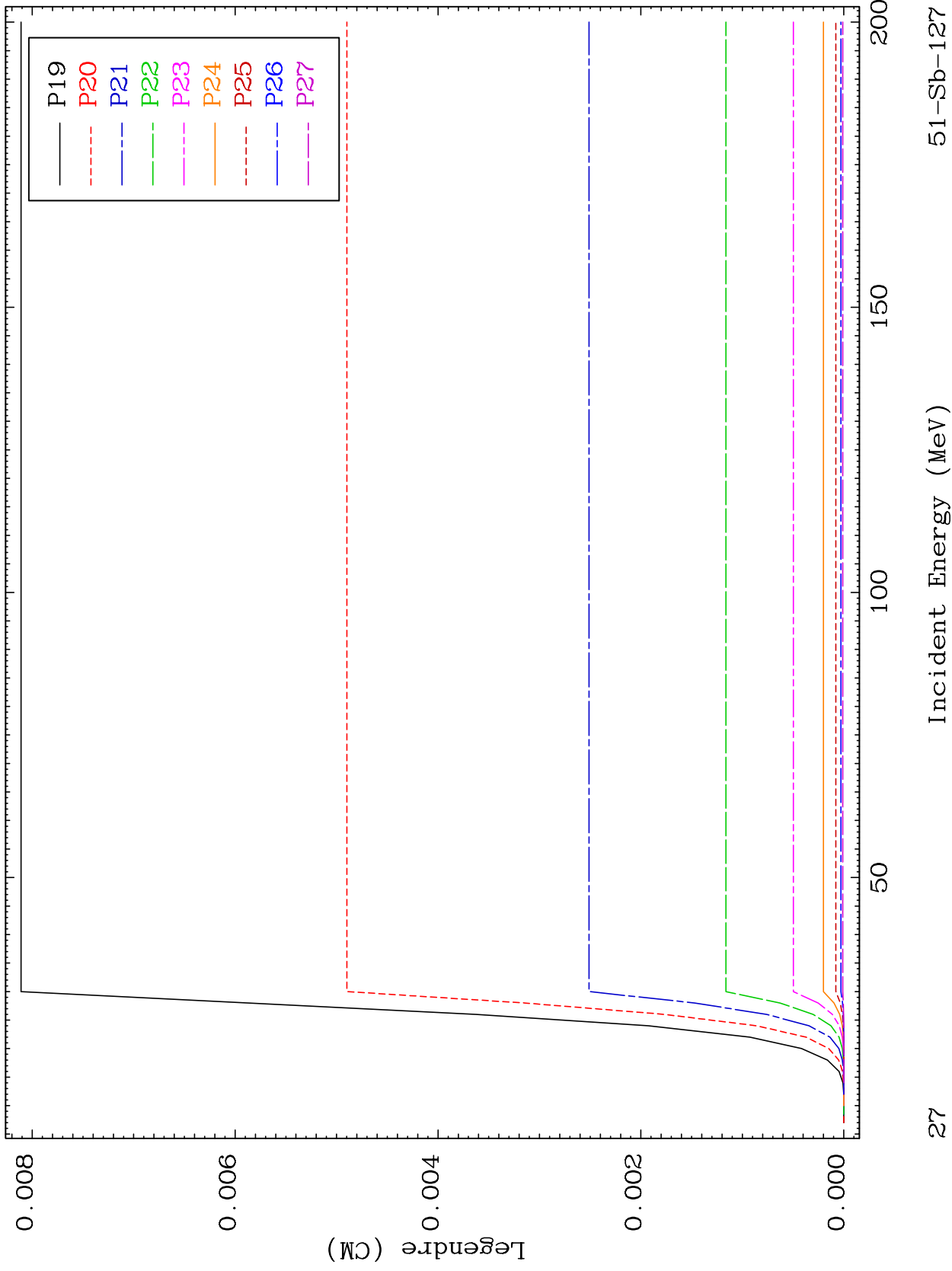
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



27

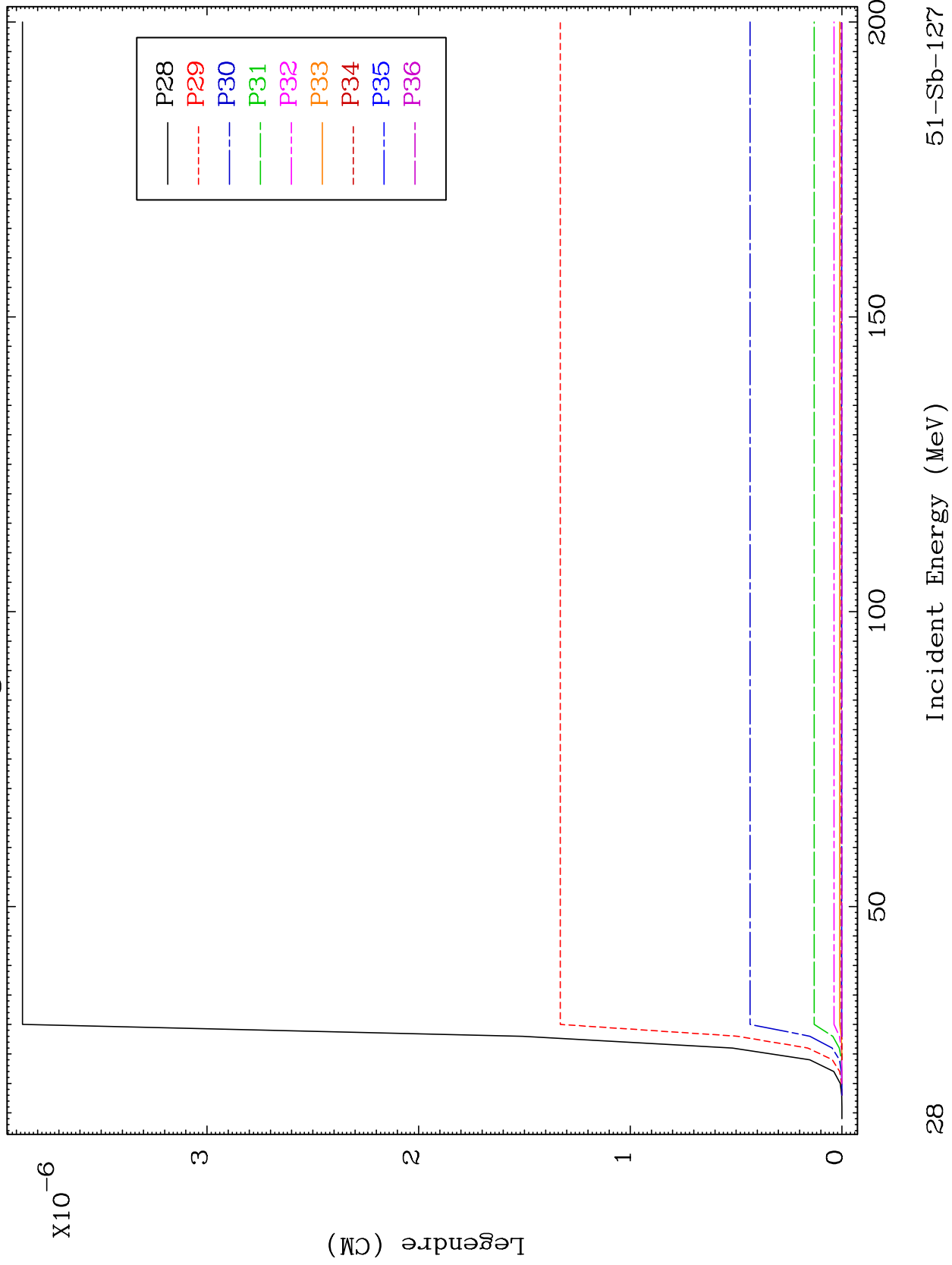
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



28

Incident Energy (MeV)

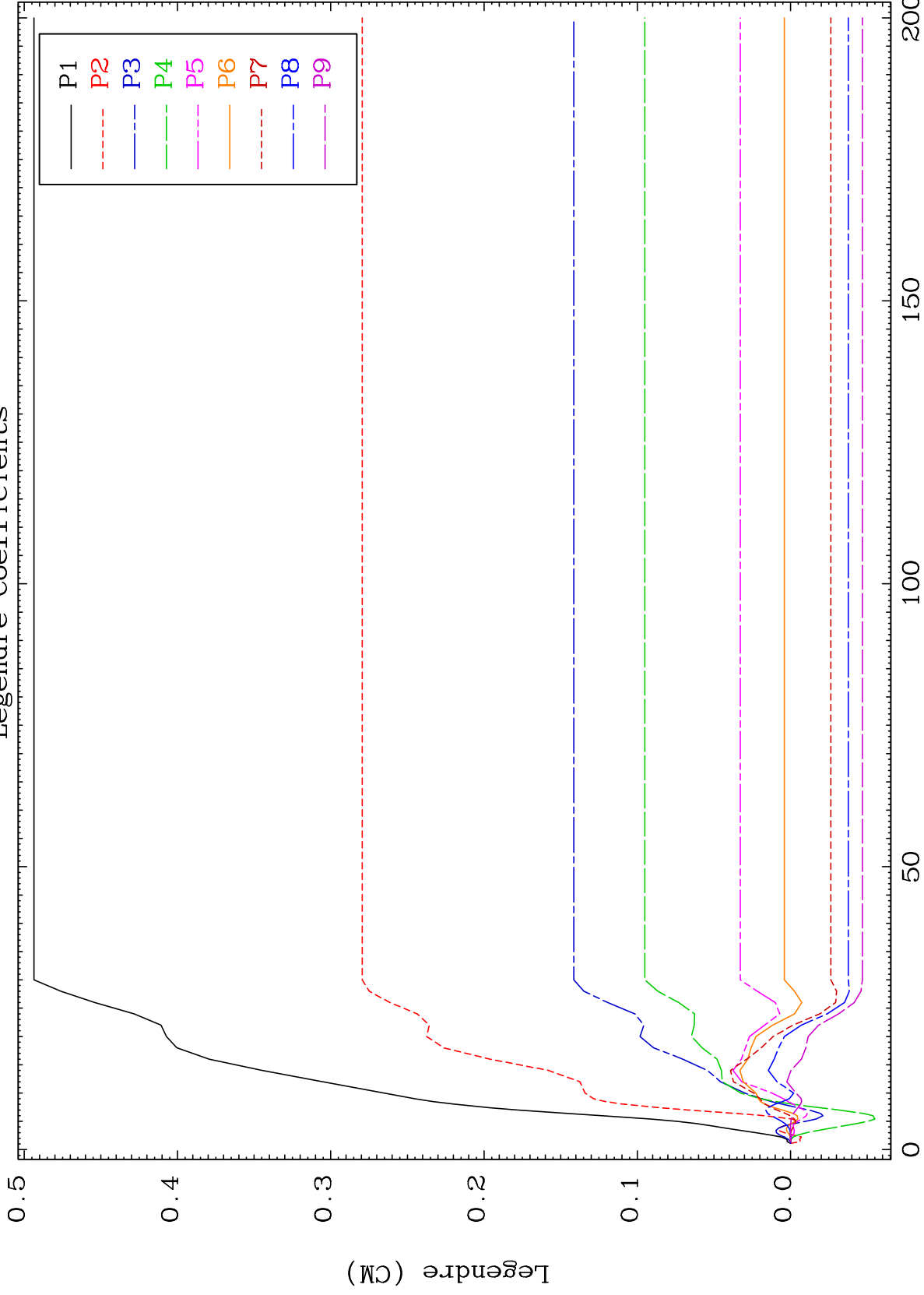
51-Sb-127

MAT 5143

MT= 53 (n,n') Level

51-Sb-127

Legendre Coefficients



29

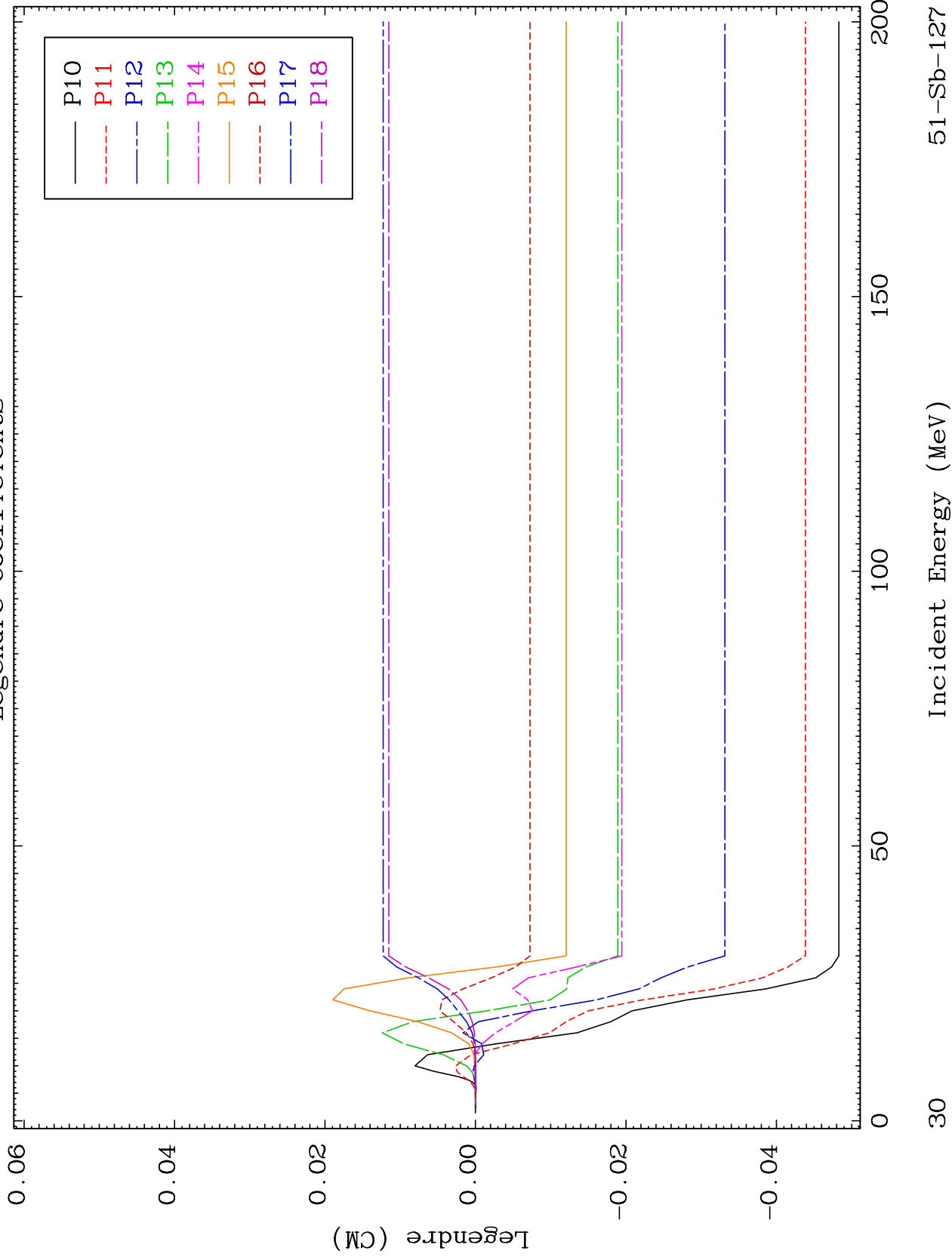
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

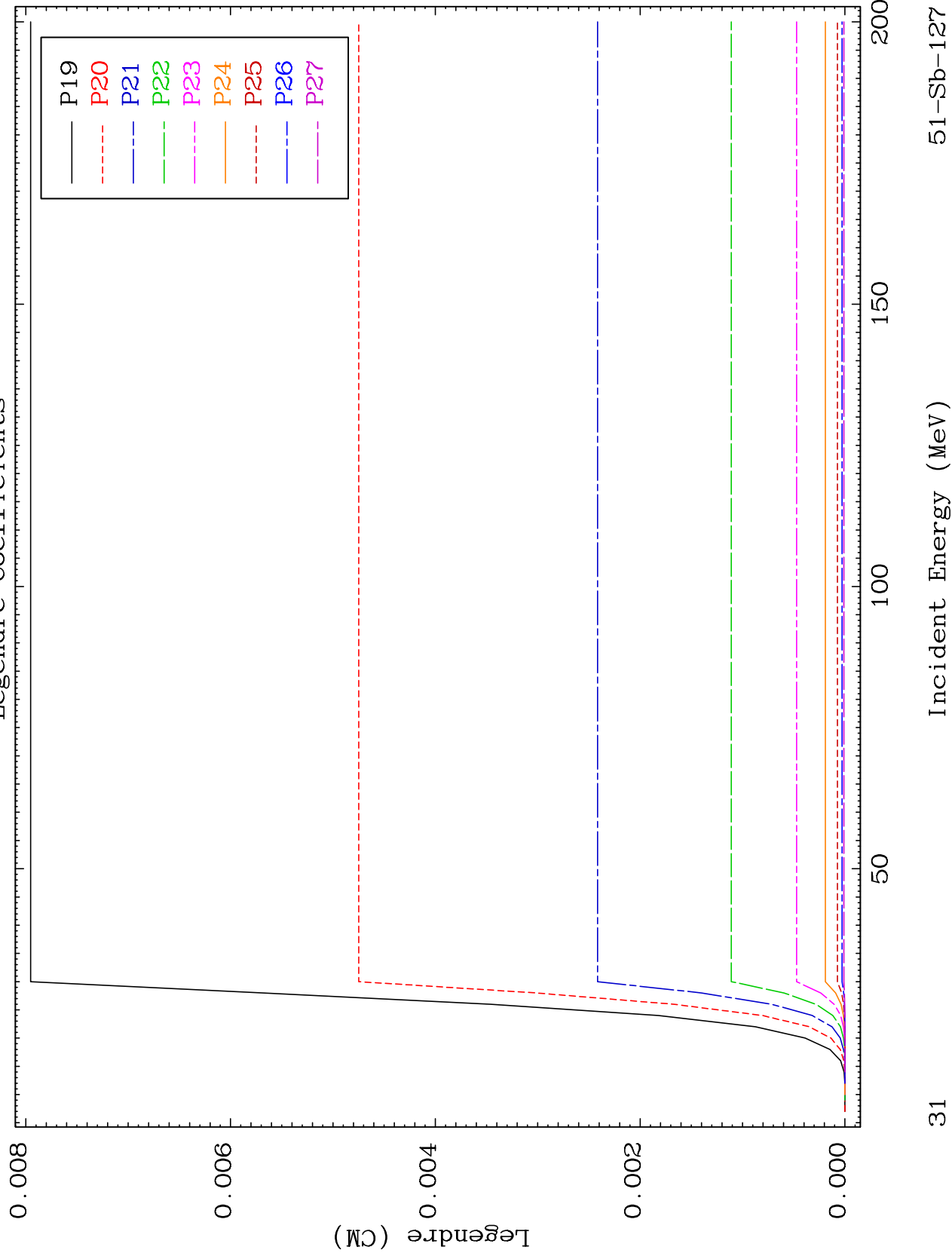
51-Sb-127



MAT 5143

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

51-Sb-127



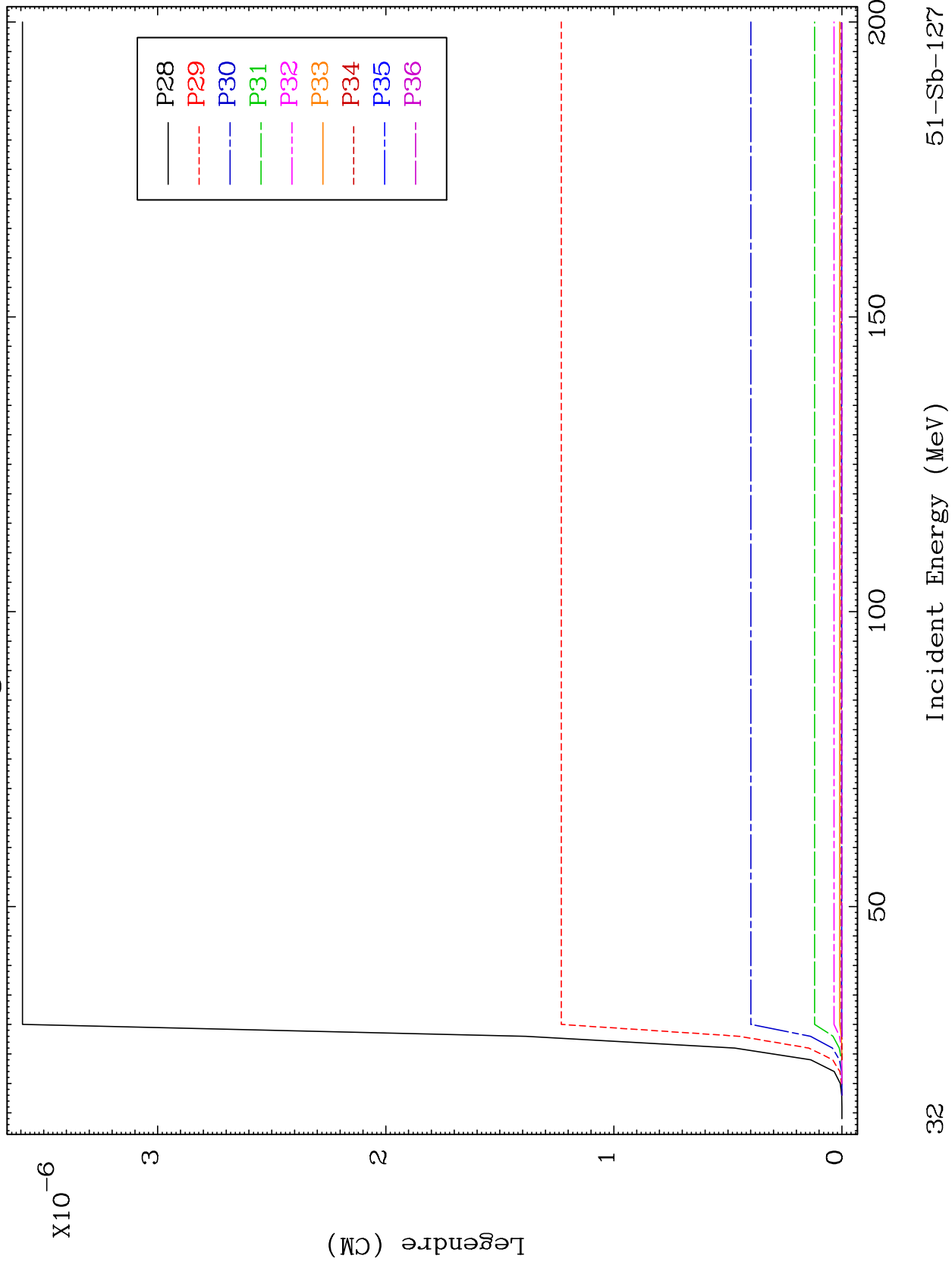
31

51-Sb-127

MAT 5143

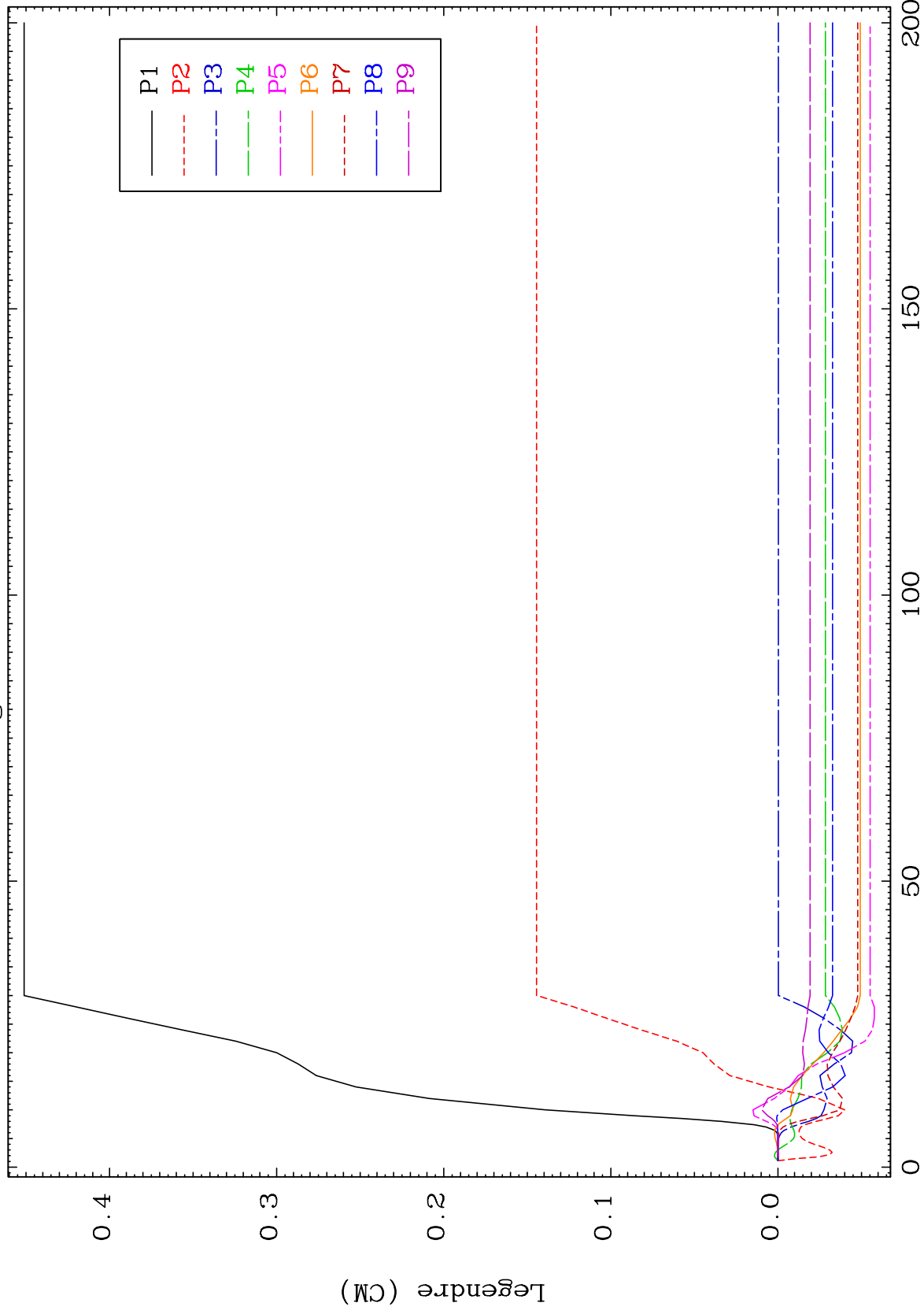
MT= 53 (n,n') Level
Legendre Coefficients

51-Sb-127



32

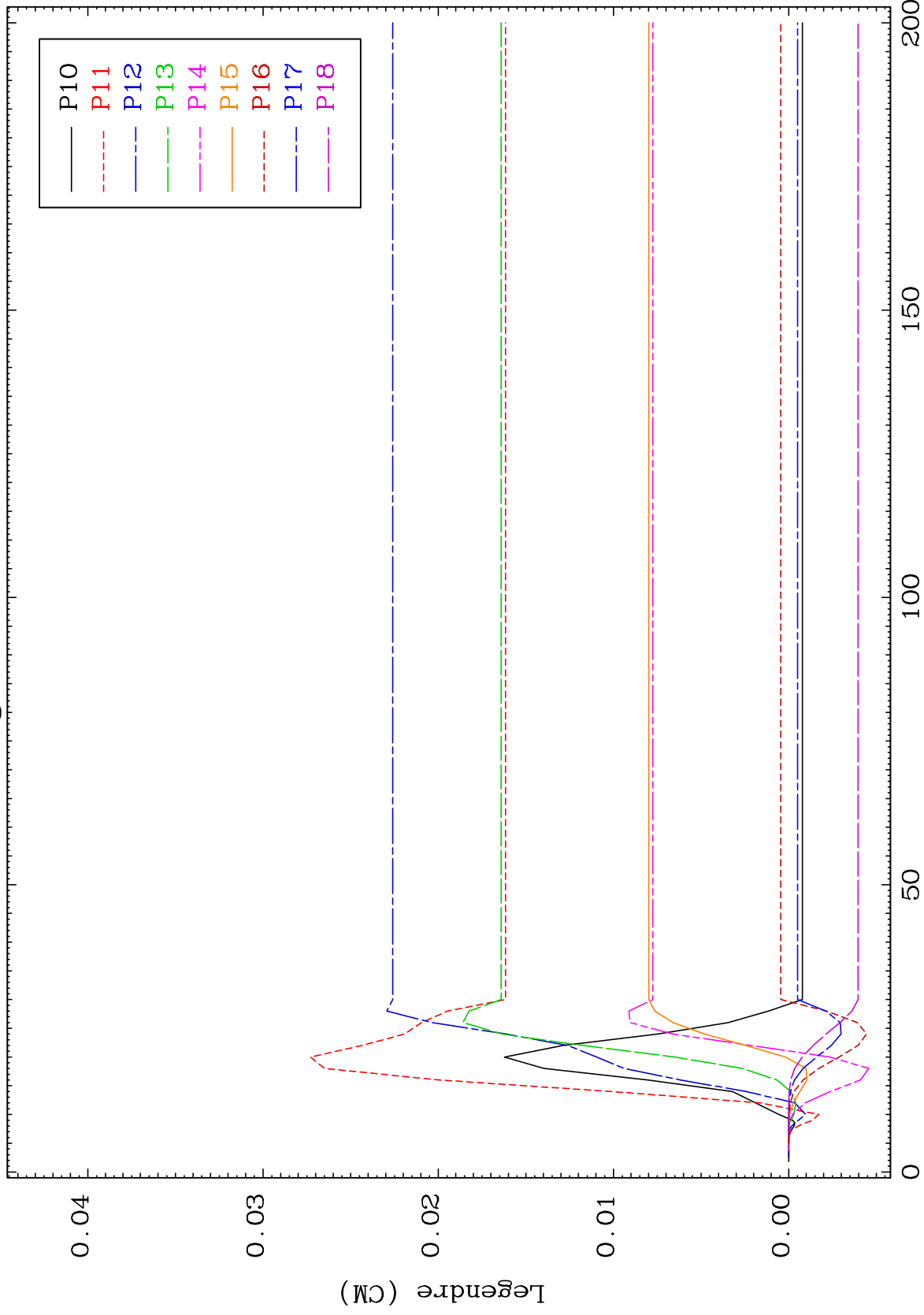
51-Sb-127



MAT 5143

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

51-Sb-127



34

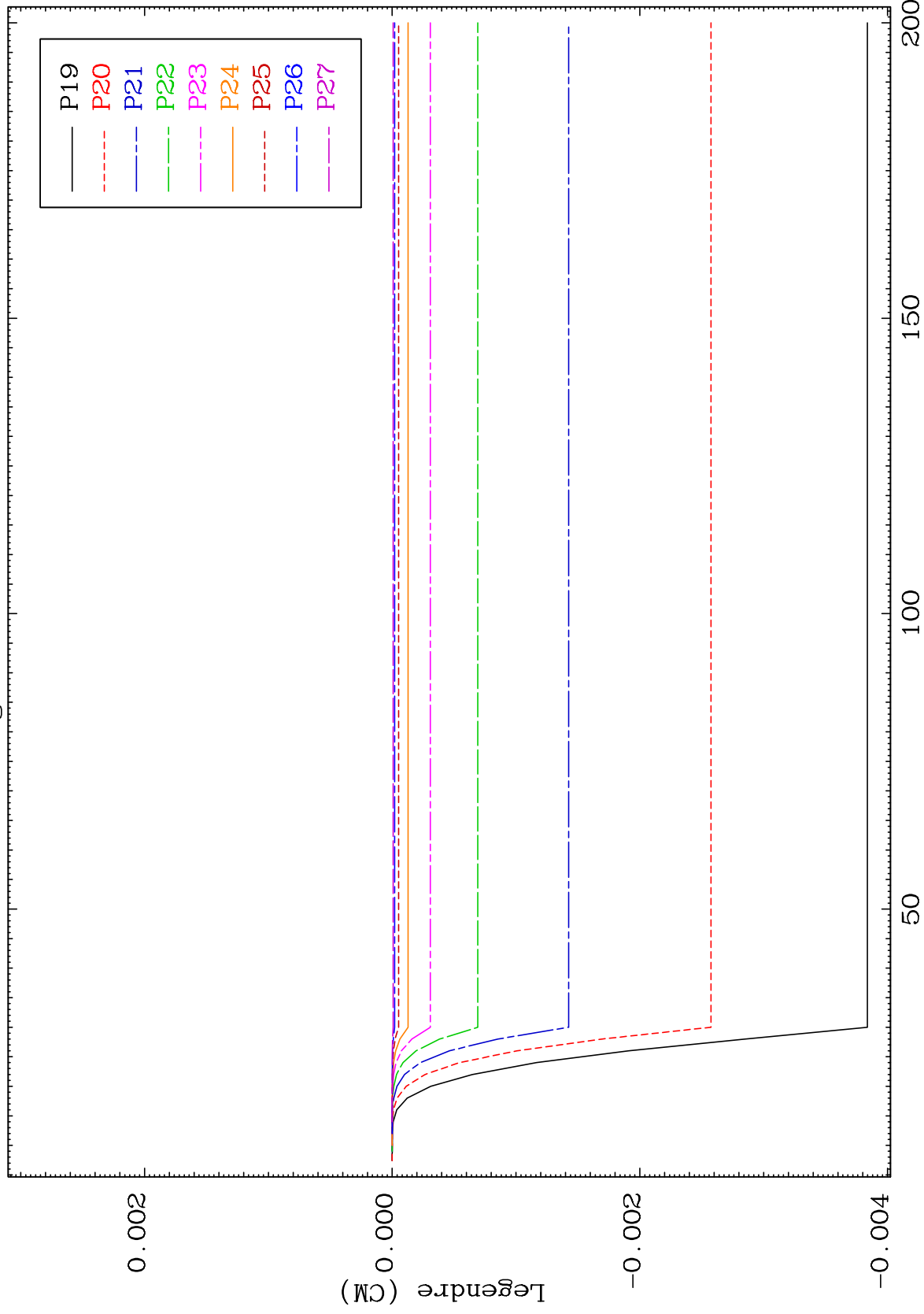
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



35

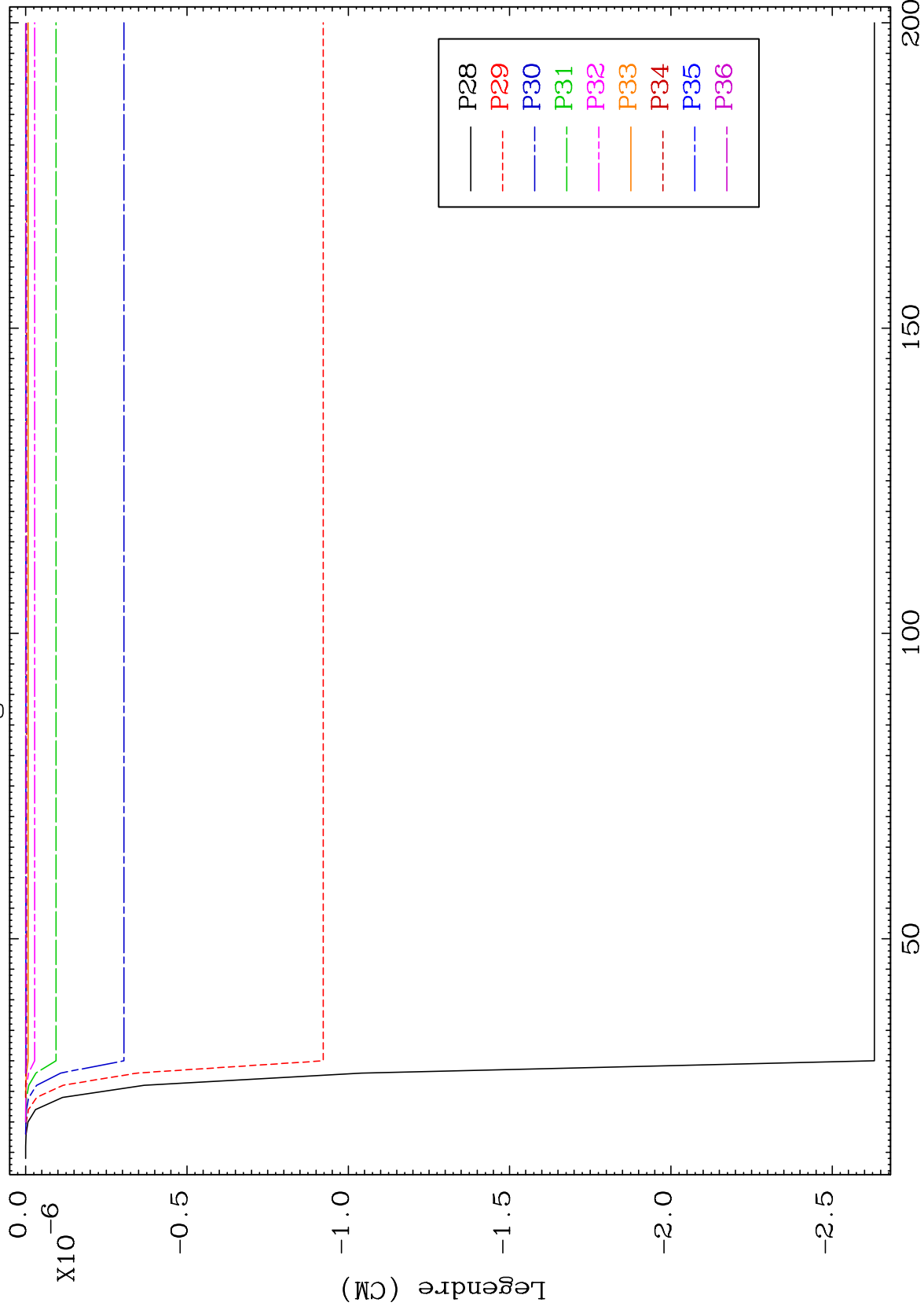
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



36

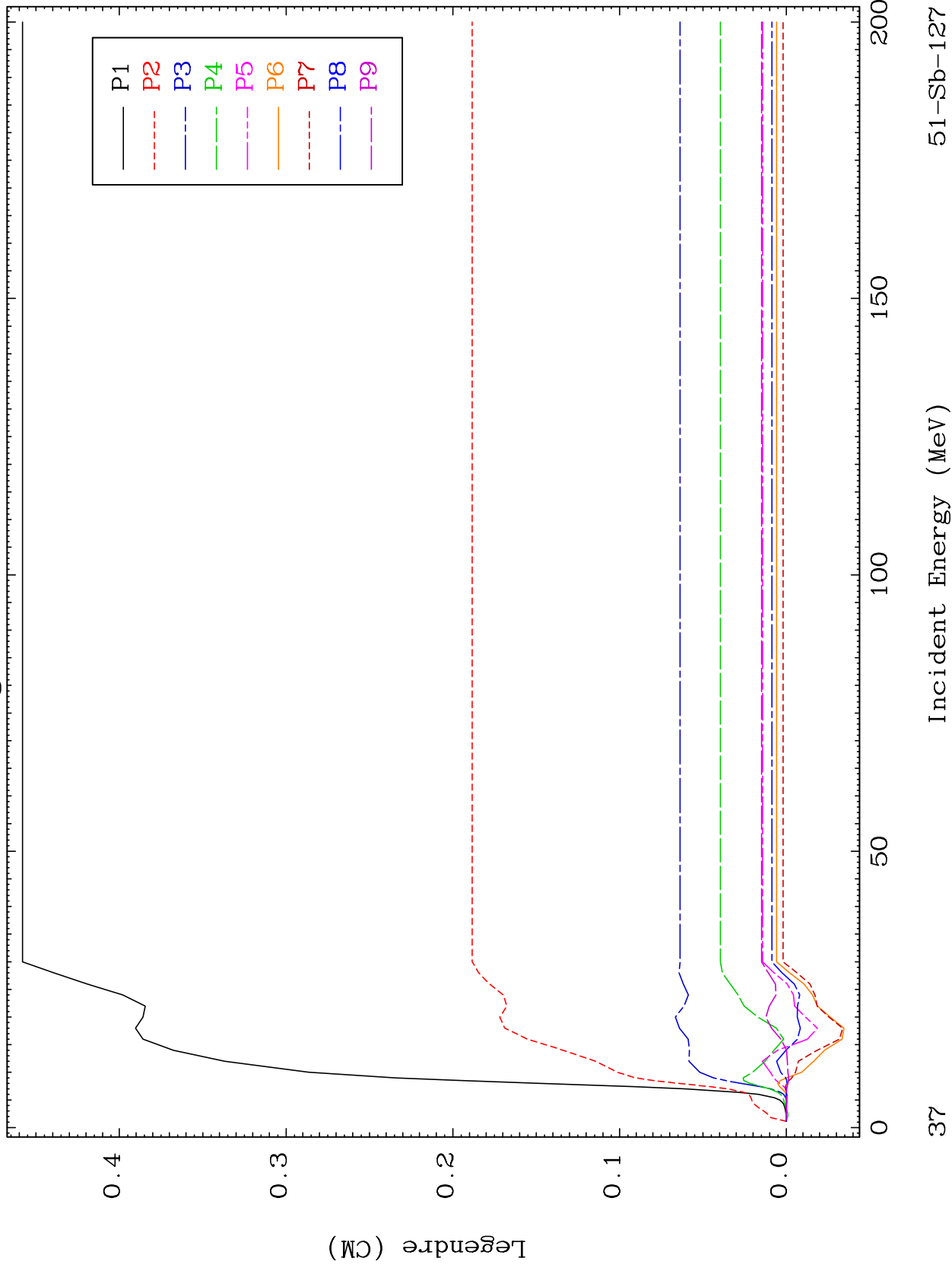
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

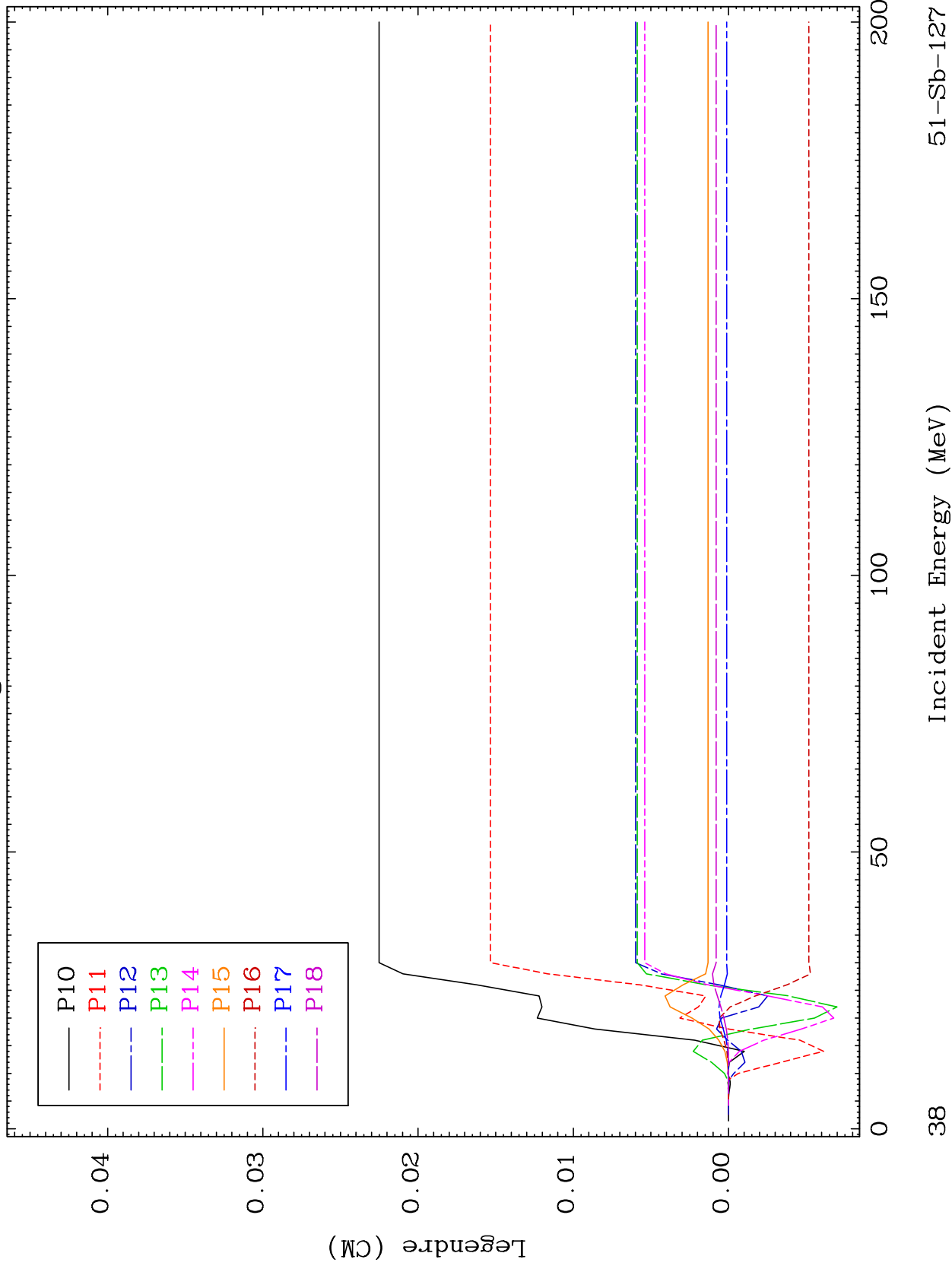
Incident Energy (MeV)

37

MAT 5143

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

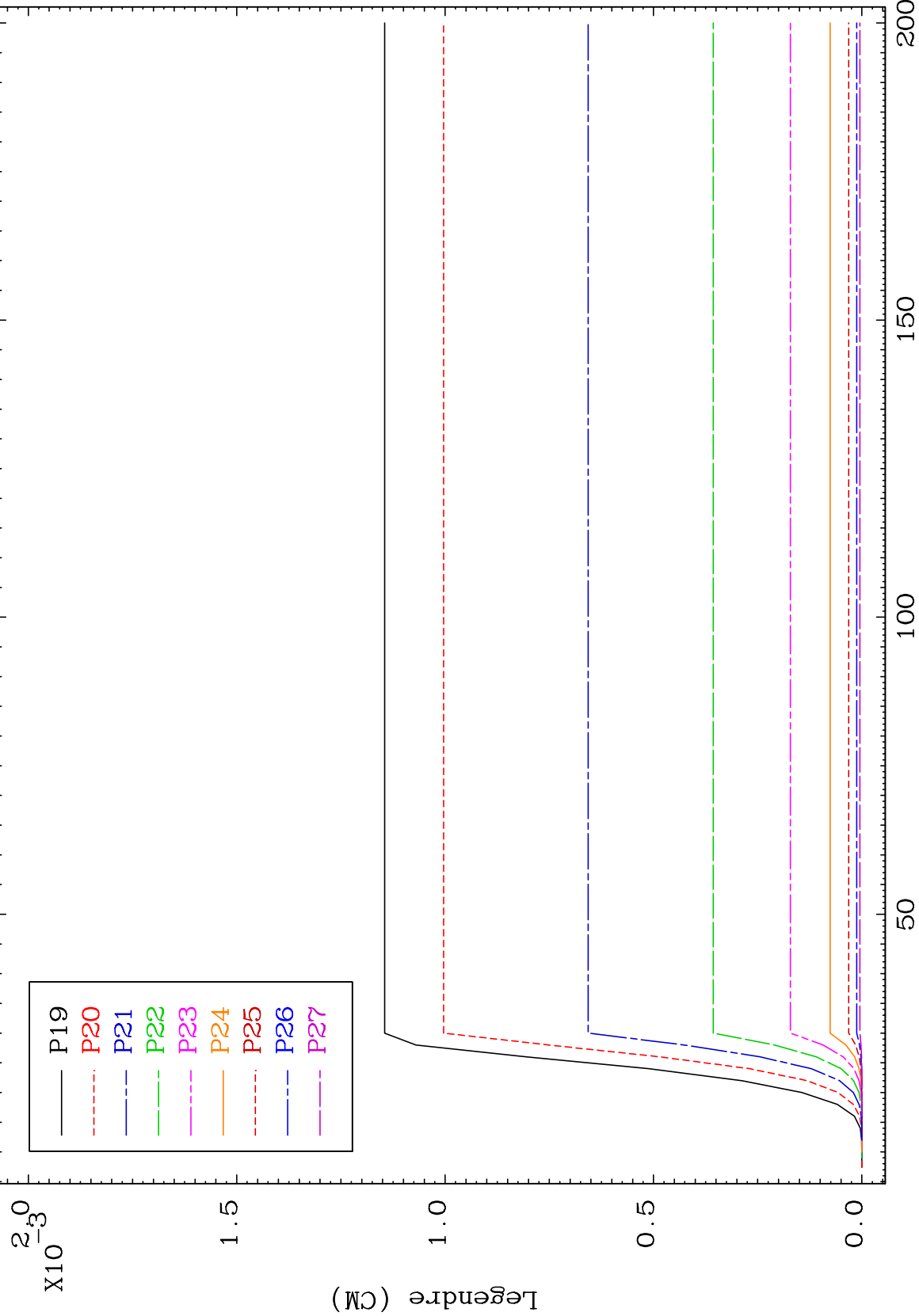
51-Sb-127



51-Sb-127

Incident Energy (MeV)

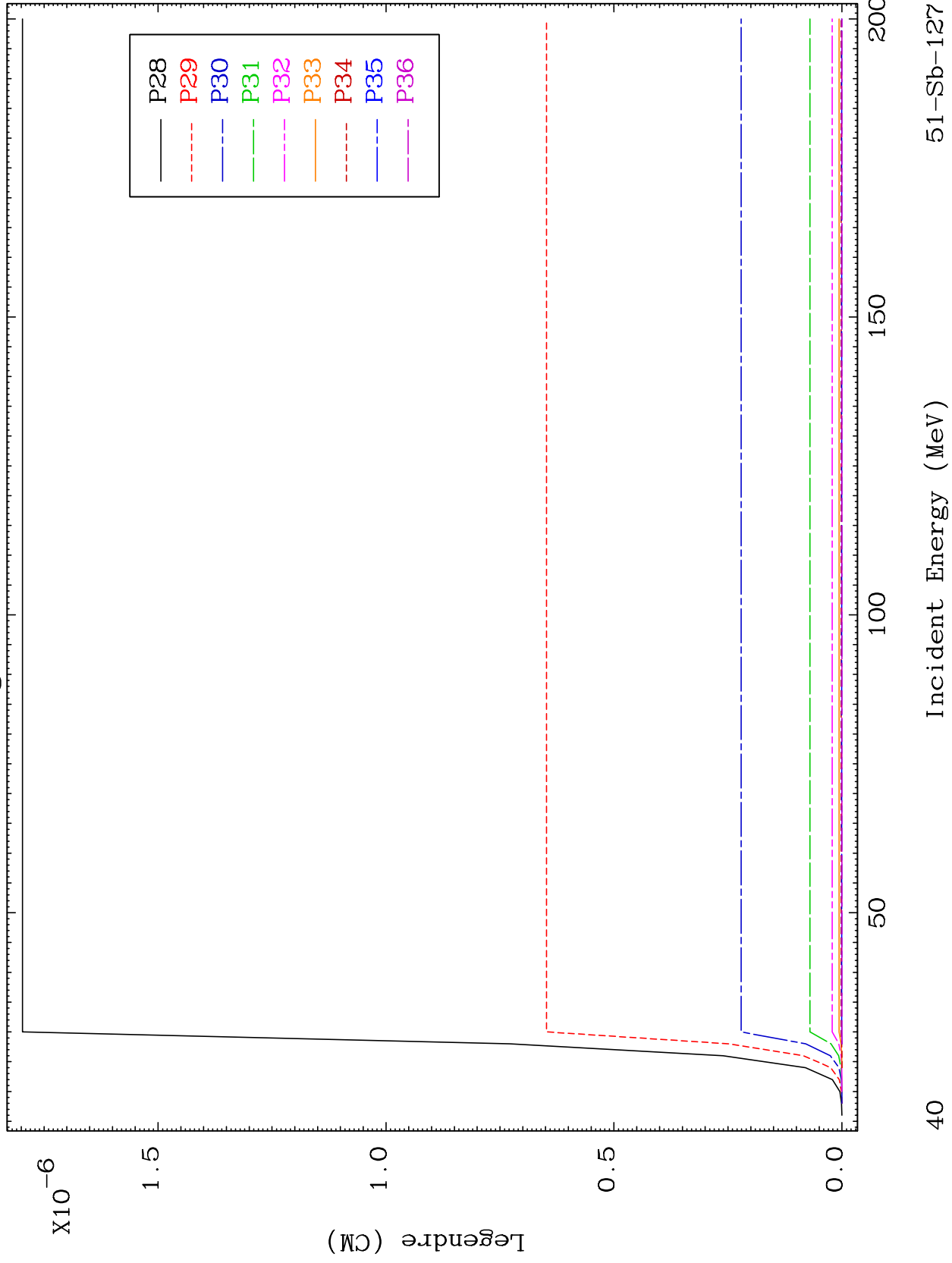
38



MAT 5143

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

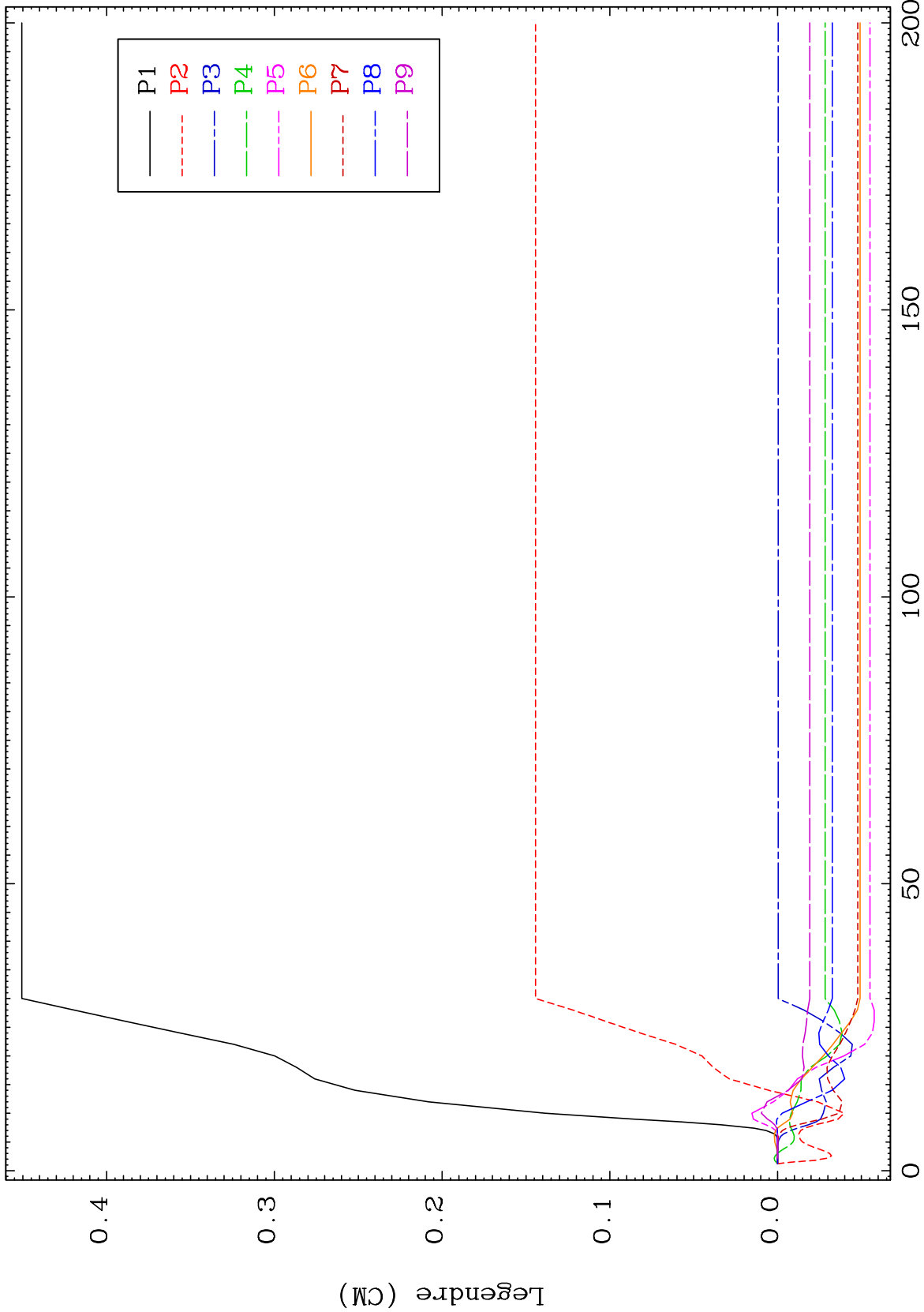
51-Sb-127



MAT 5143

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

51-Sb-127



41

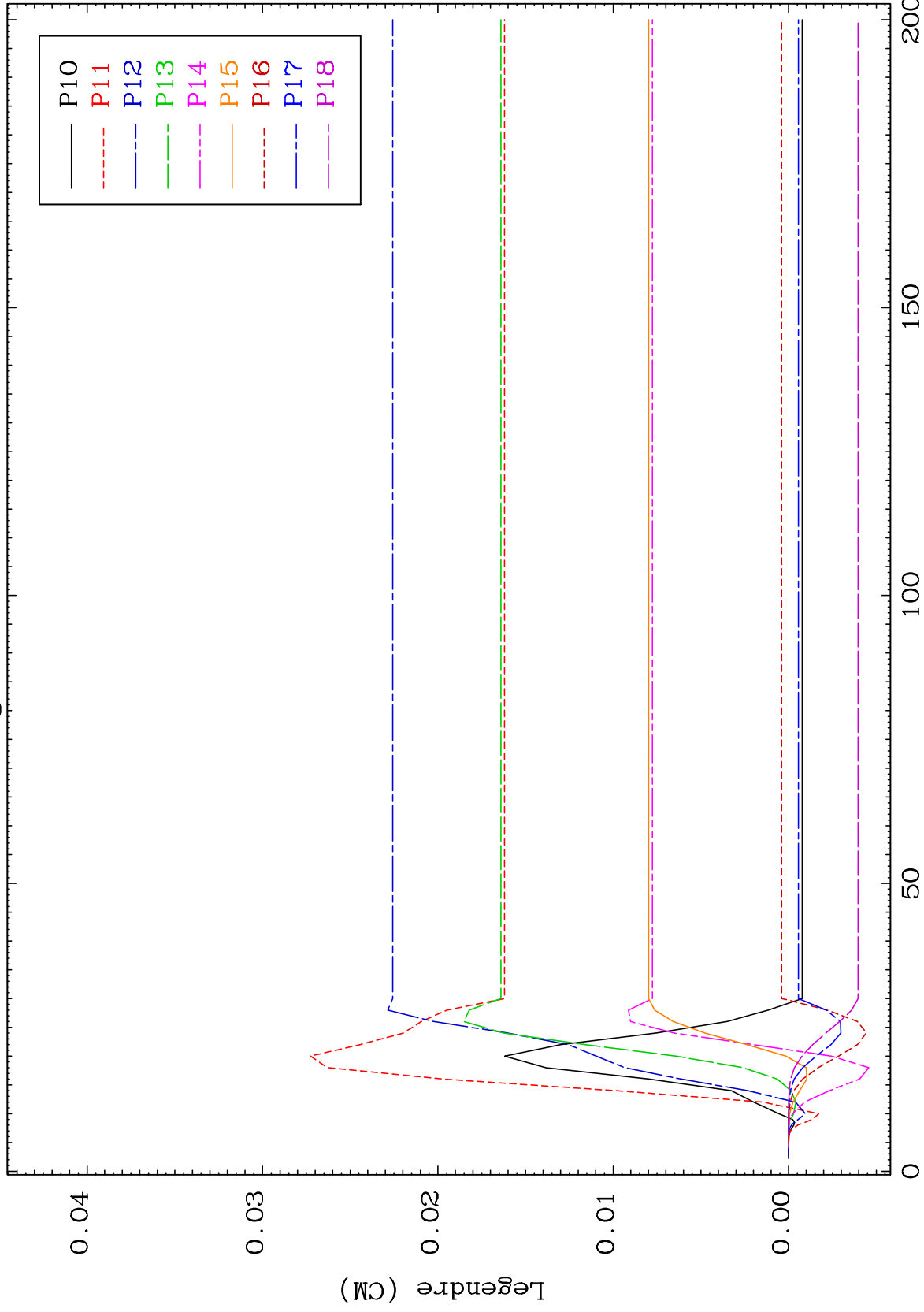
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



42

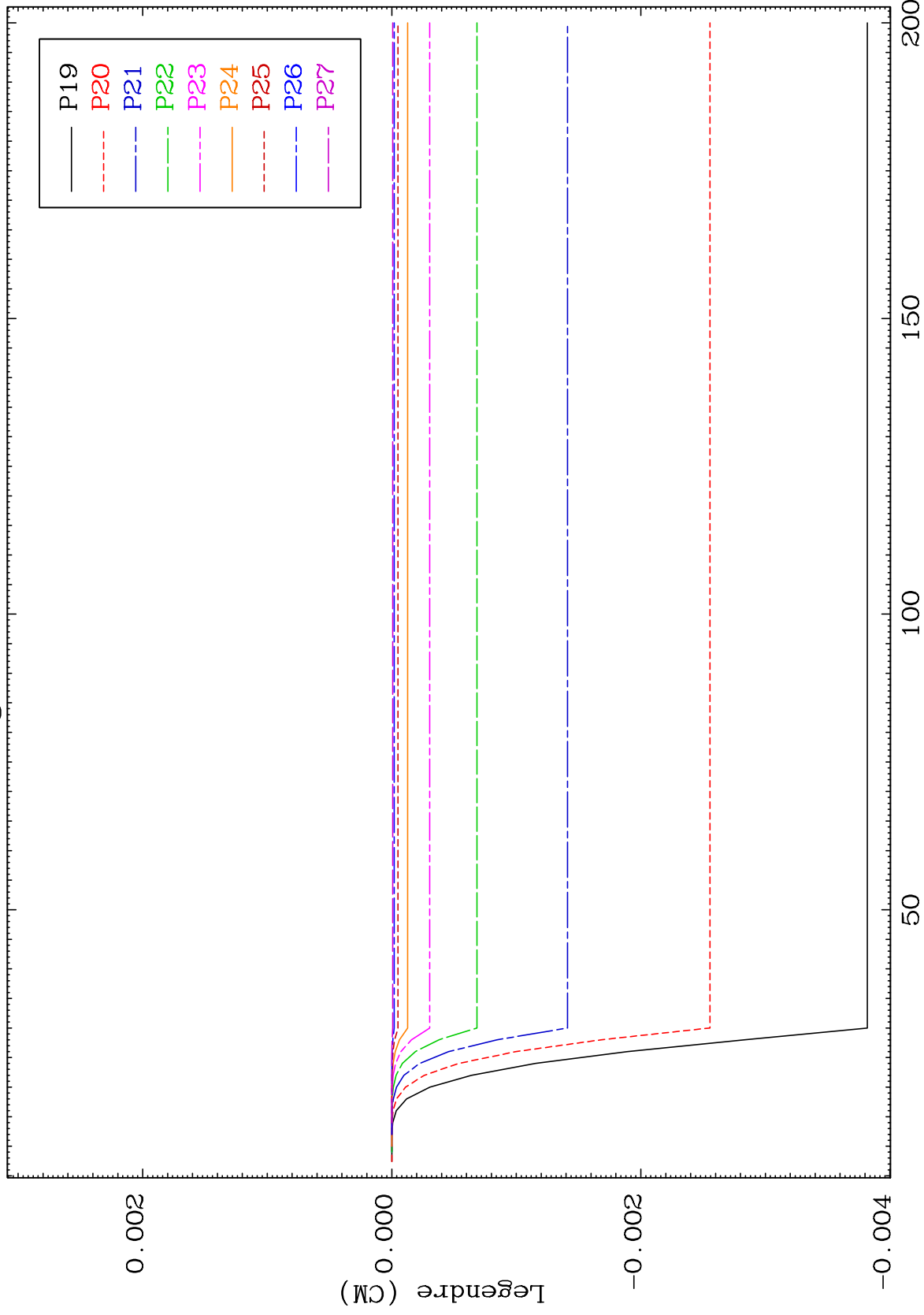
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



43

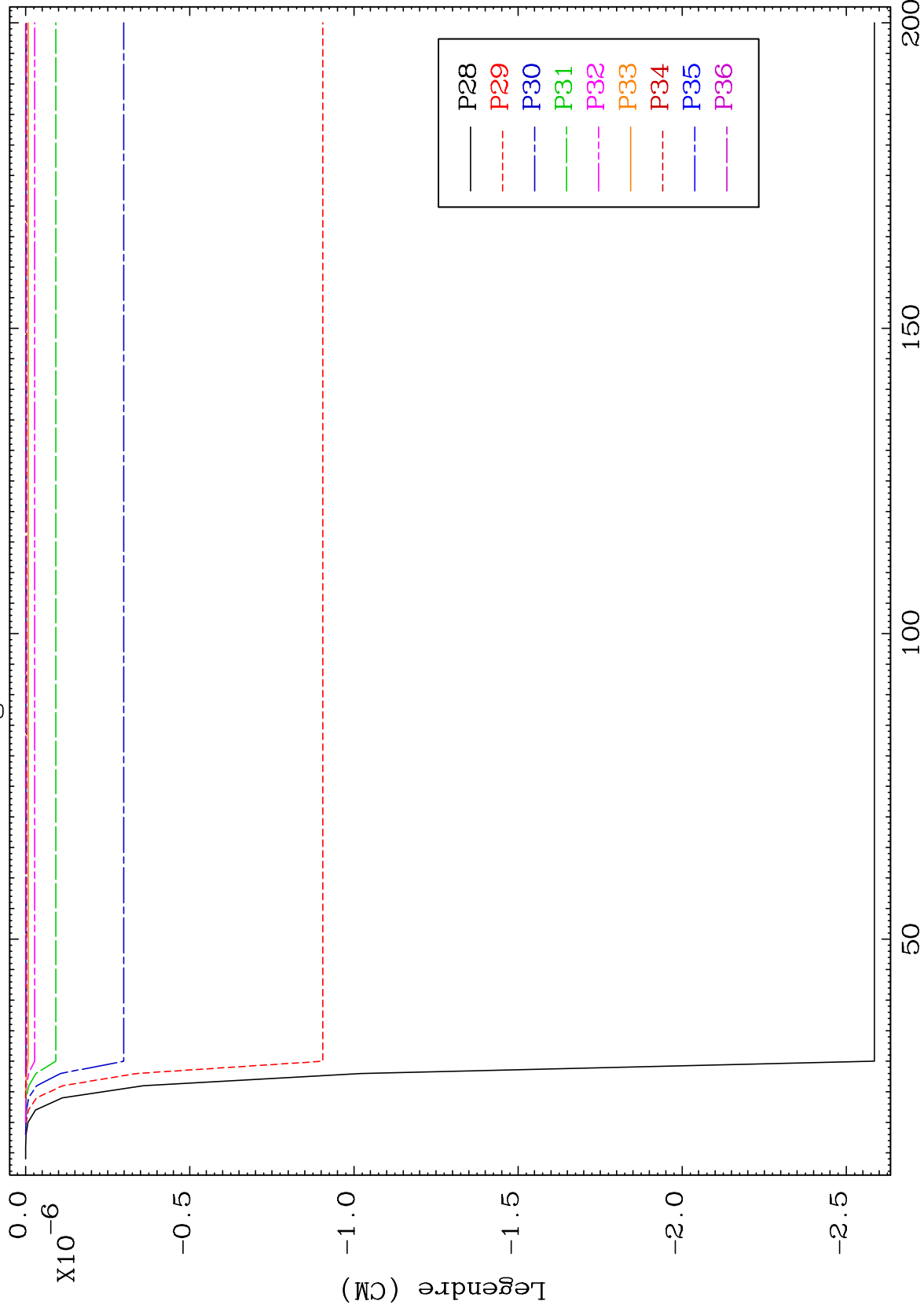
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

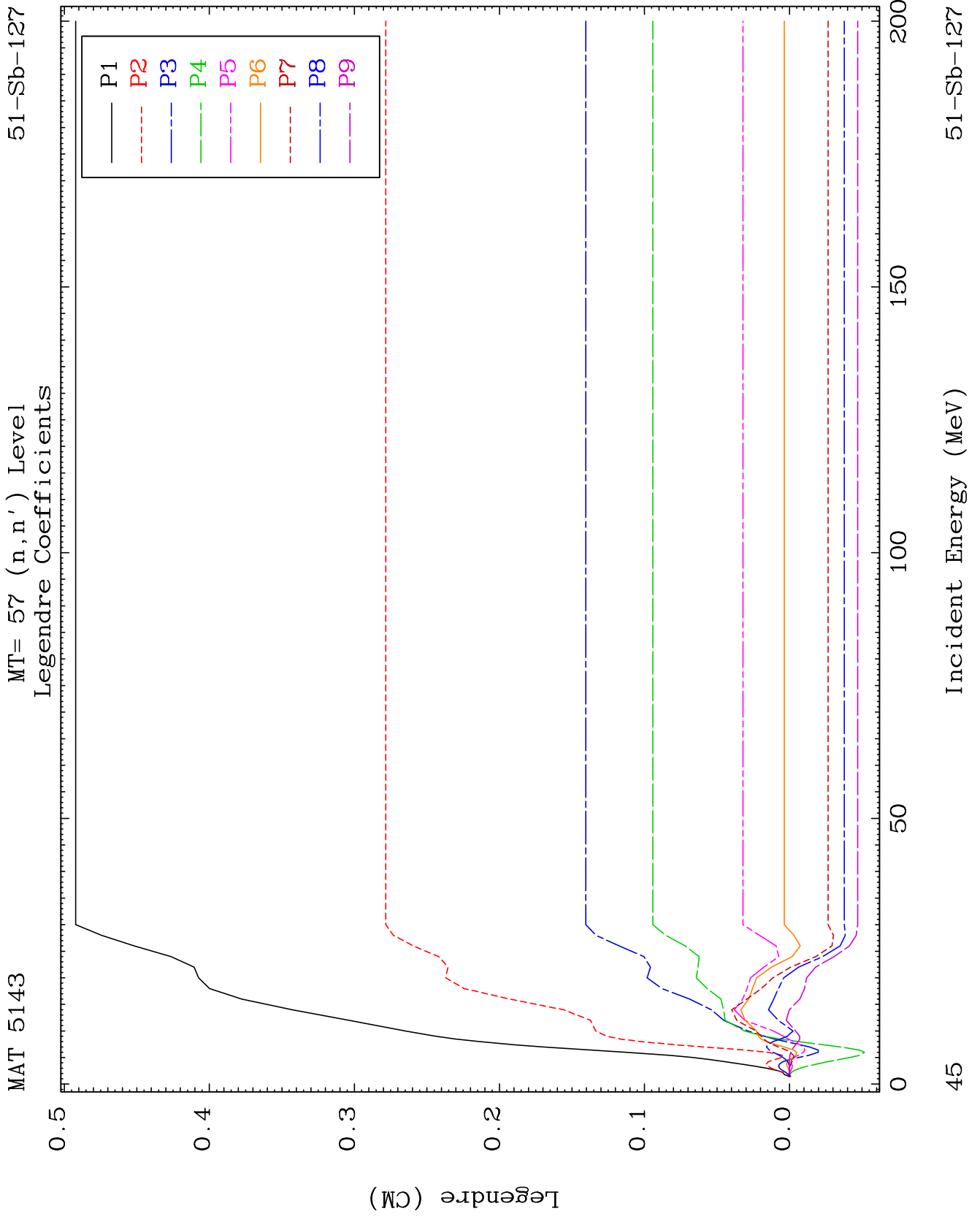
51-Sb-127



44

Incident Energy (MeV)

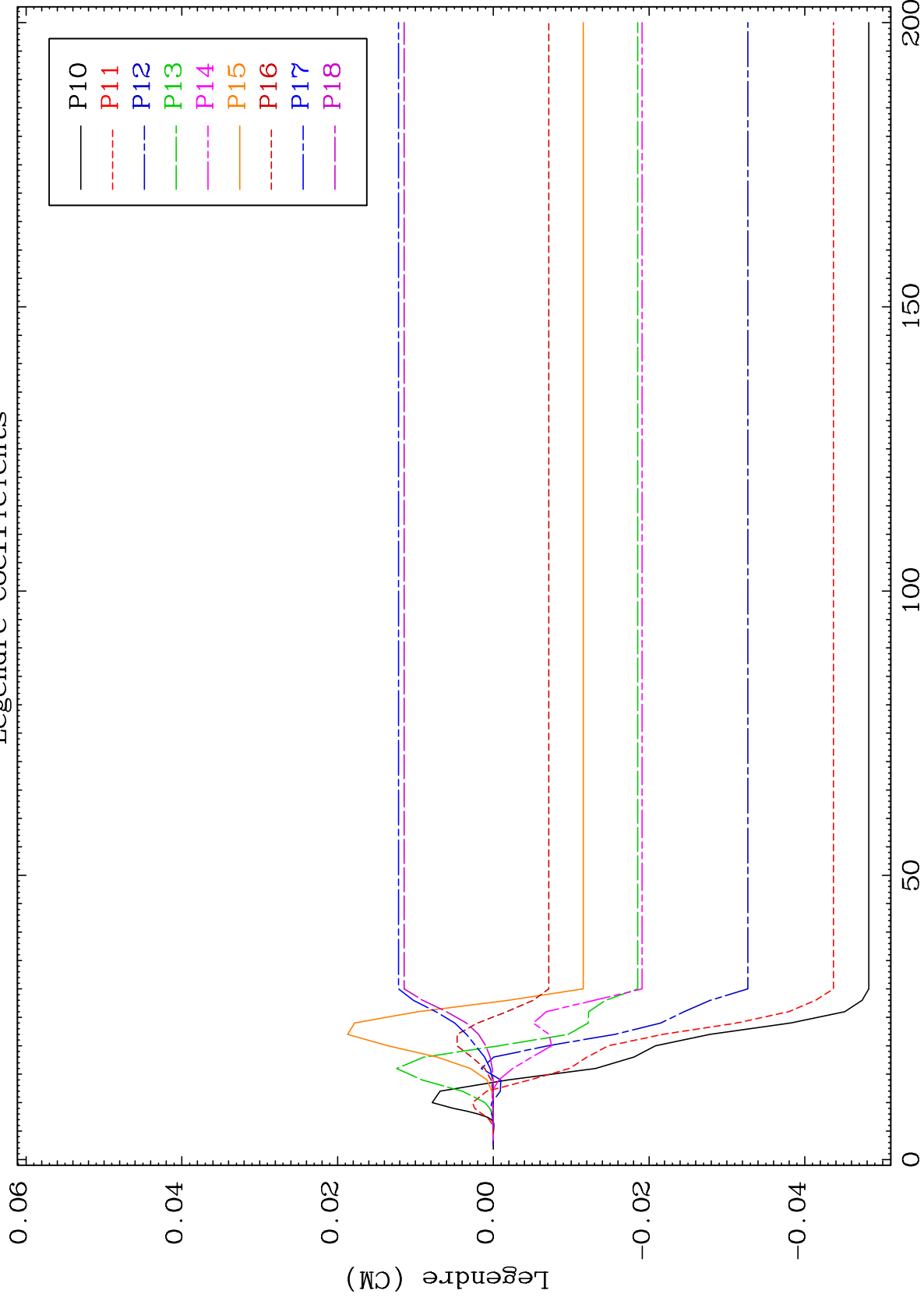
51-Sb-127



MAT 5143

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

51-Sb-127



46

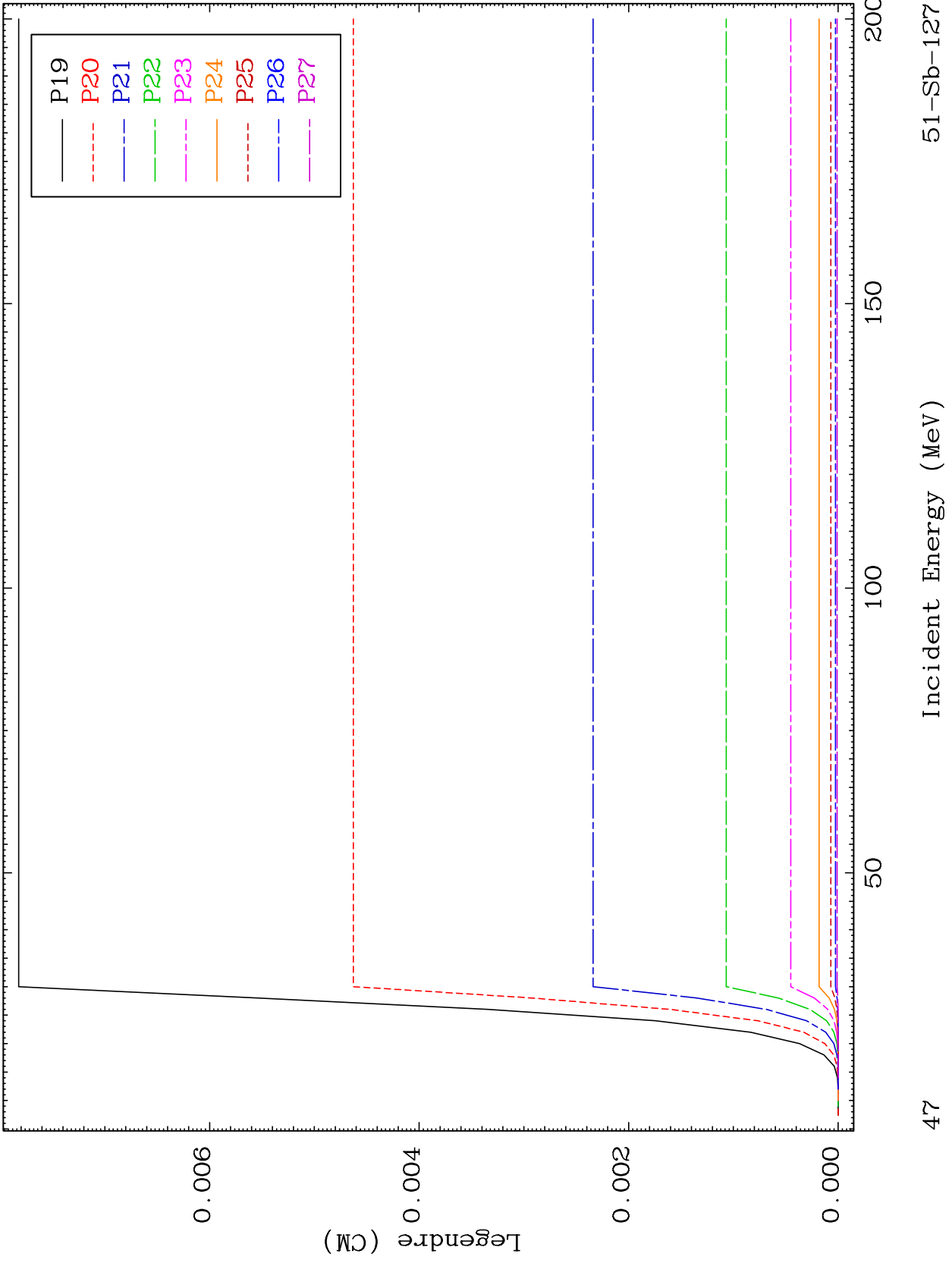
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



47

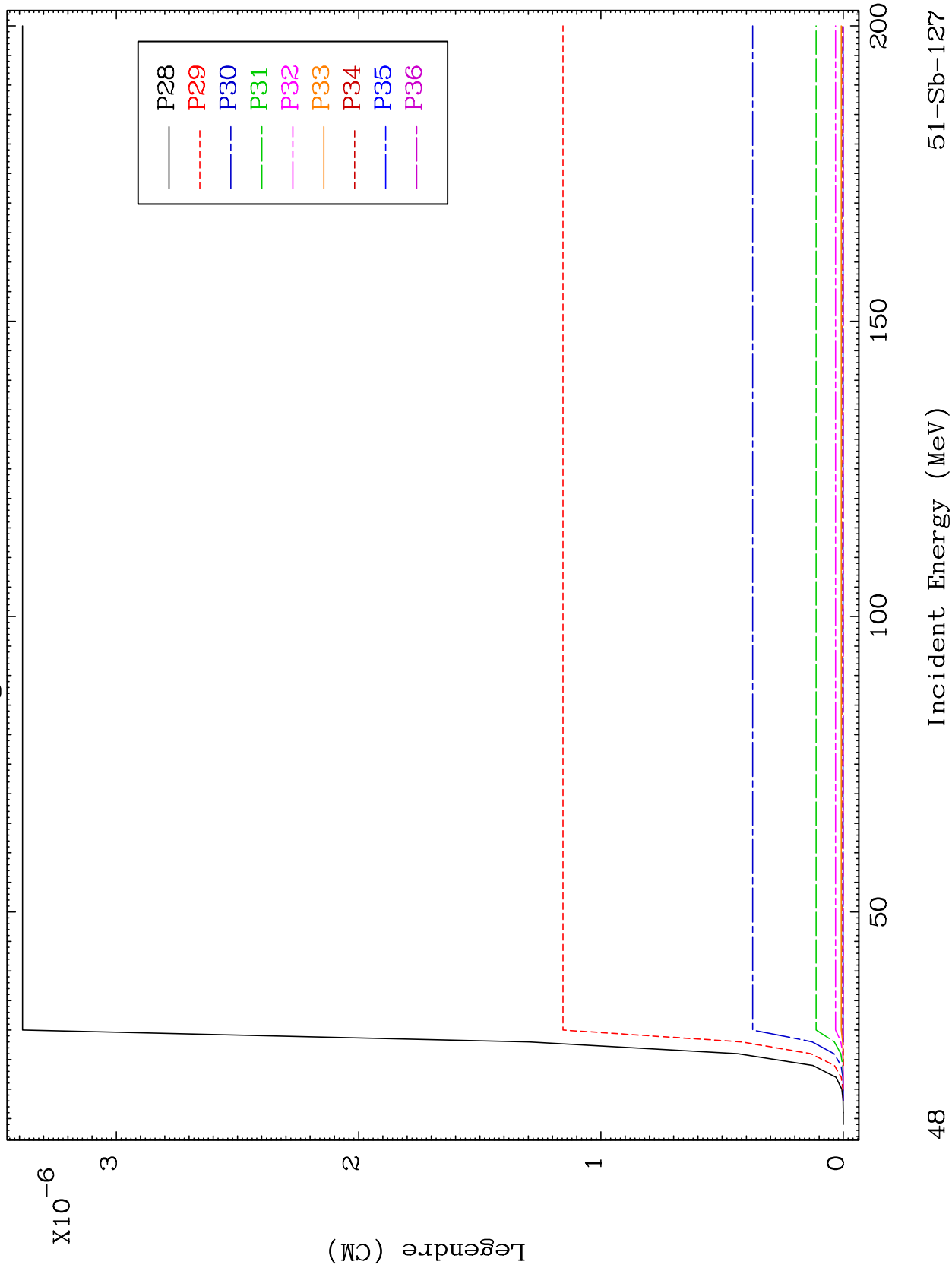
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

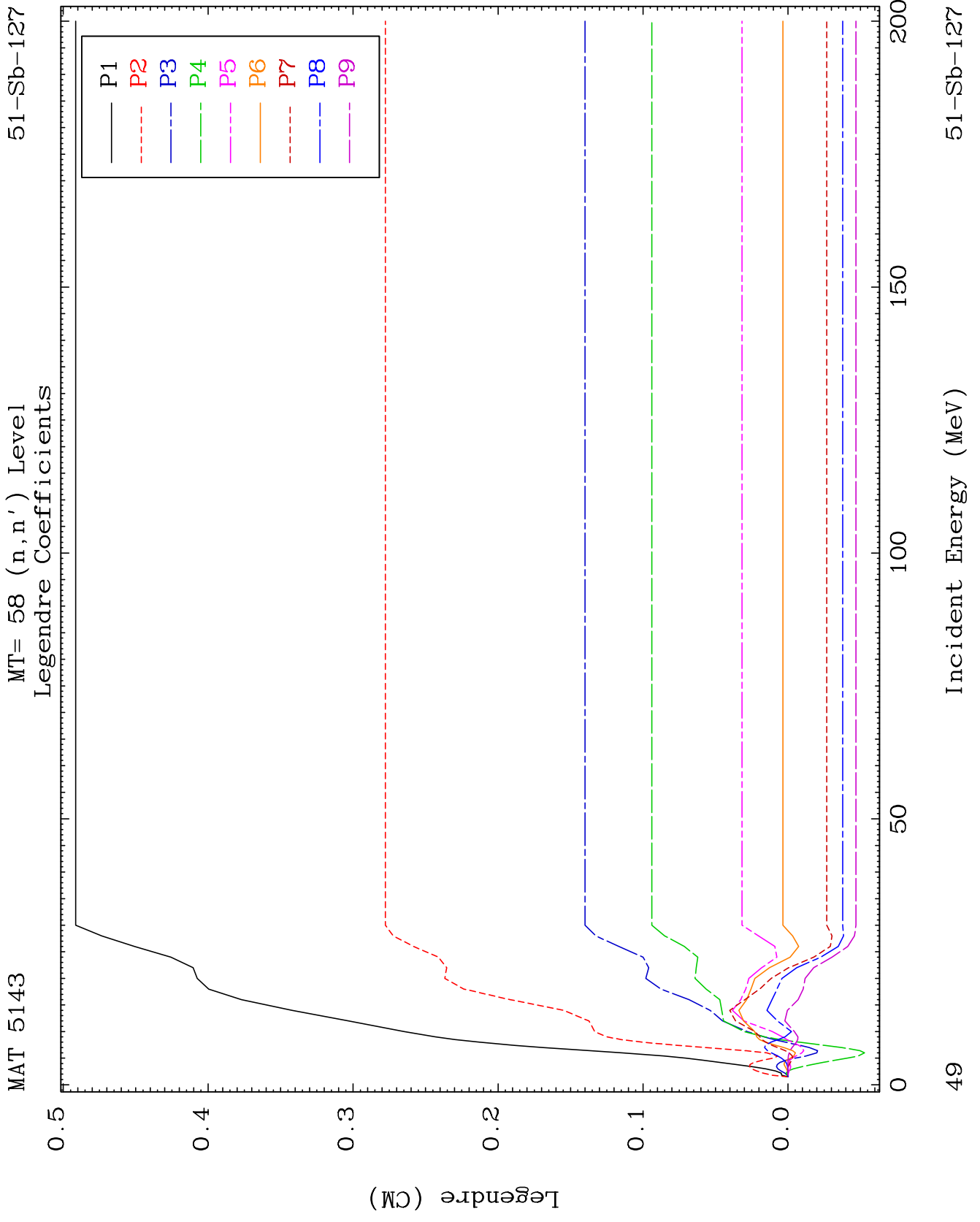
51-Sb-127



48

Incident Energy (MeV)

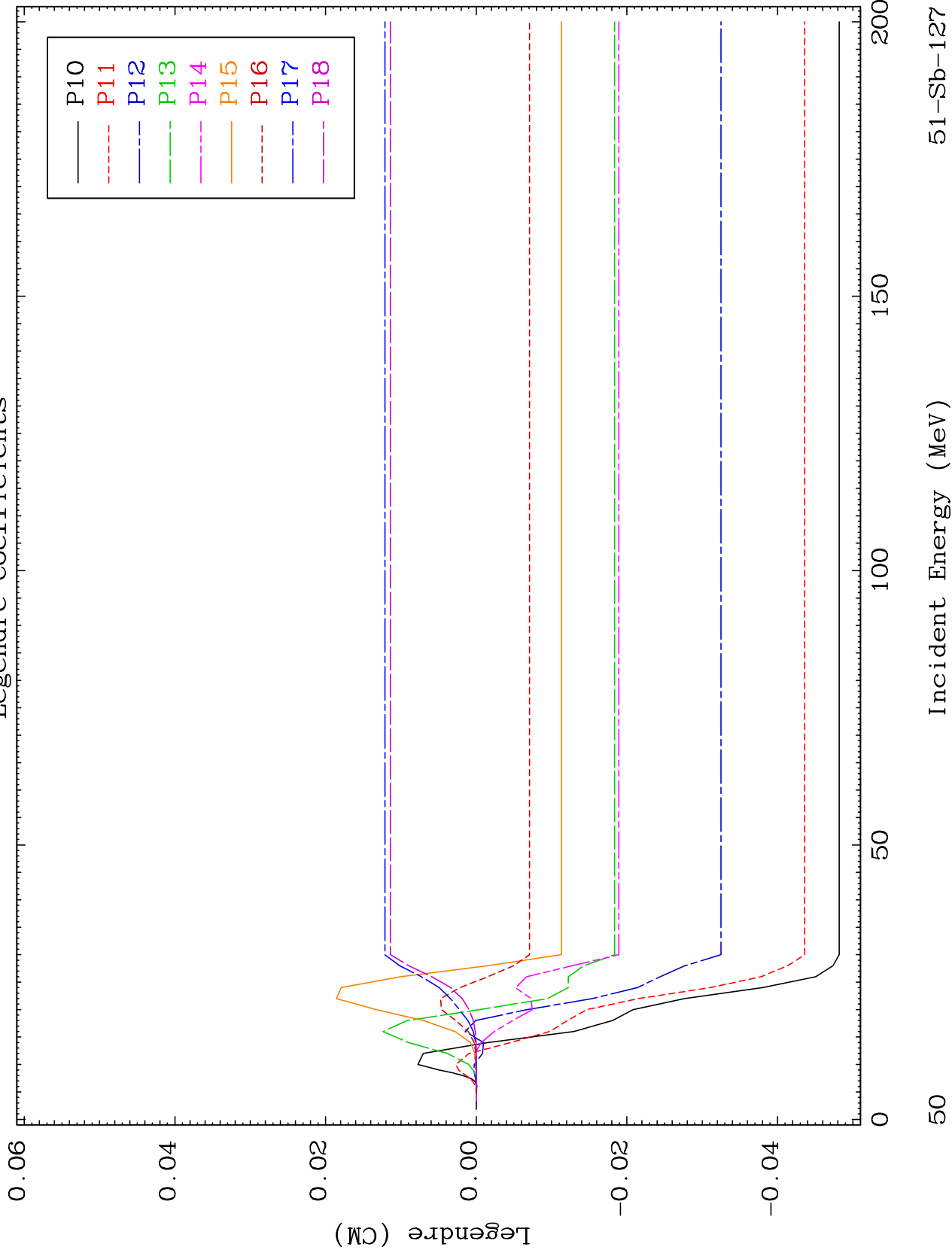
51-Sb-127



MAT 5143

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

51-Sb-127



51-Sb-127

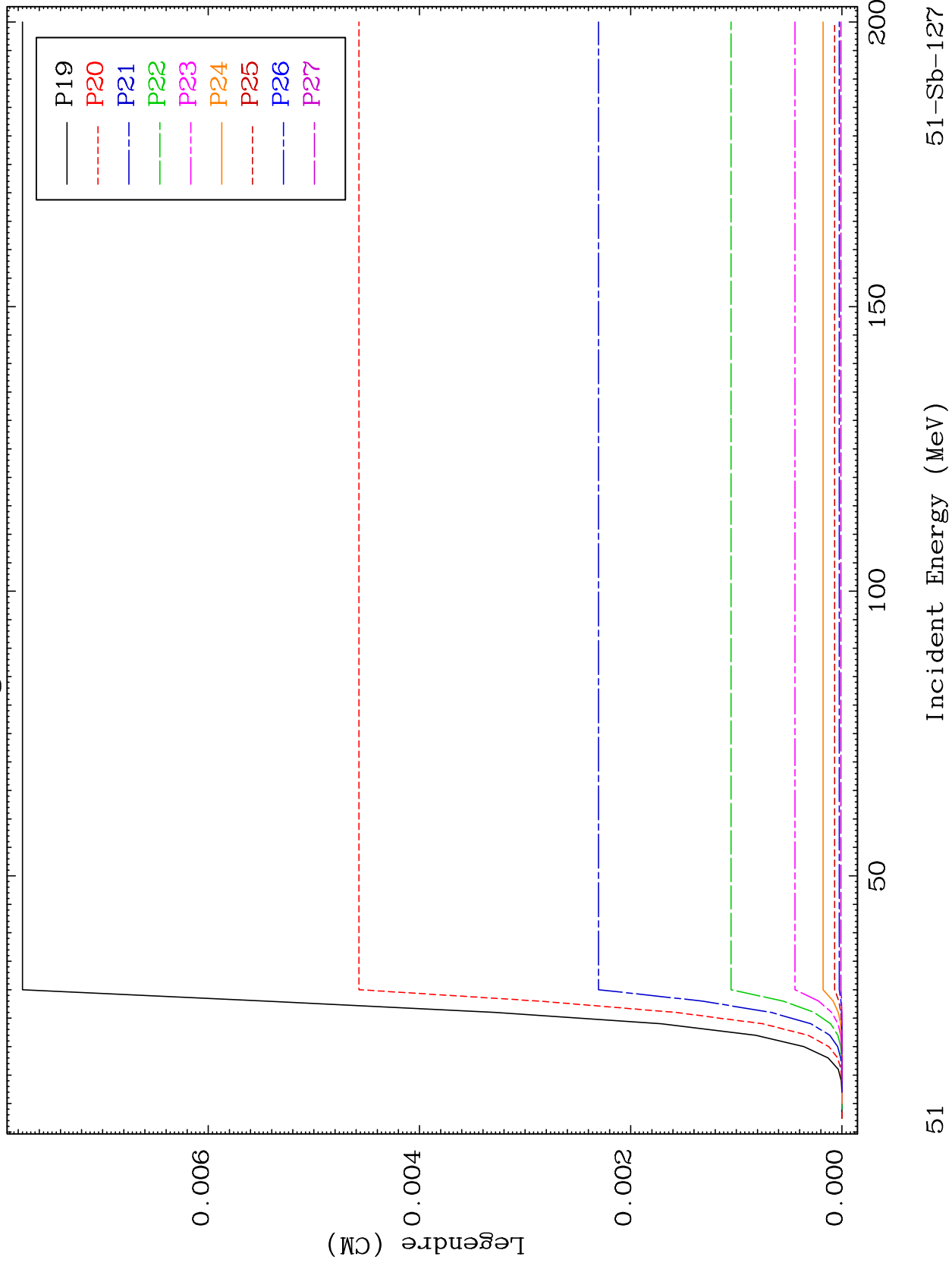
Incident Energy (MeV)

50

MAT 5143

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

51-Sb-127



51

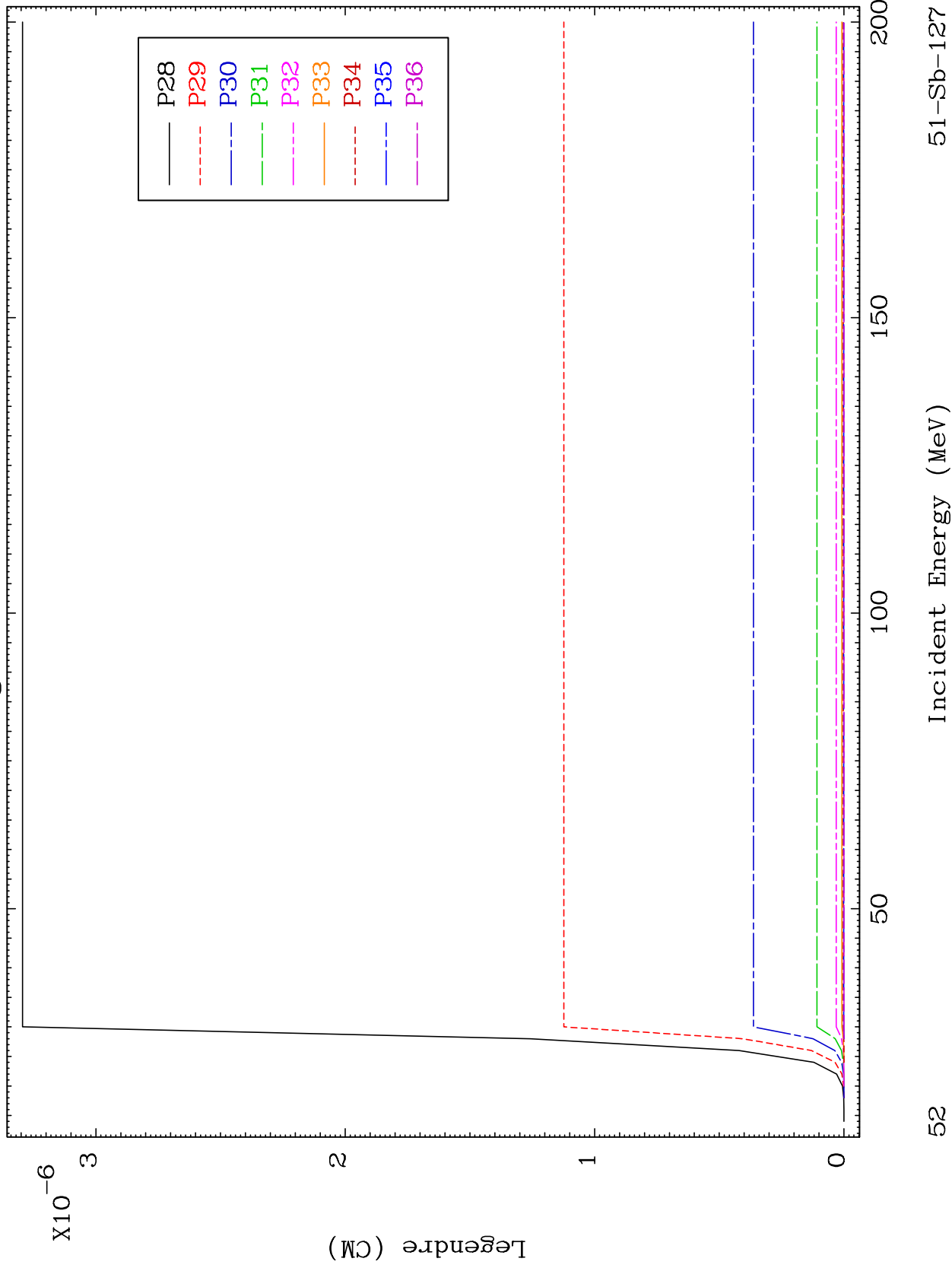
Incident Energy (MeV)

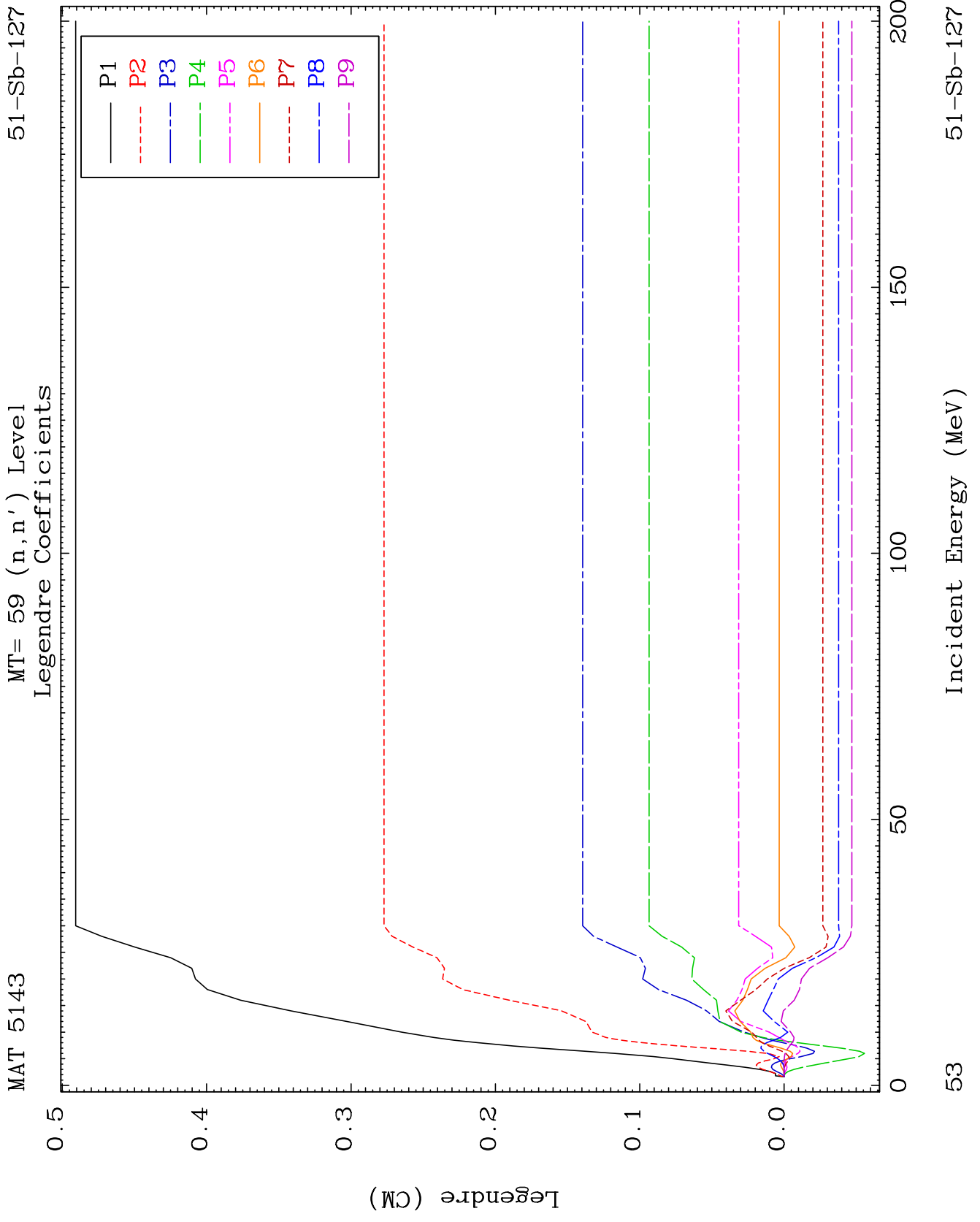
51-Sb-127

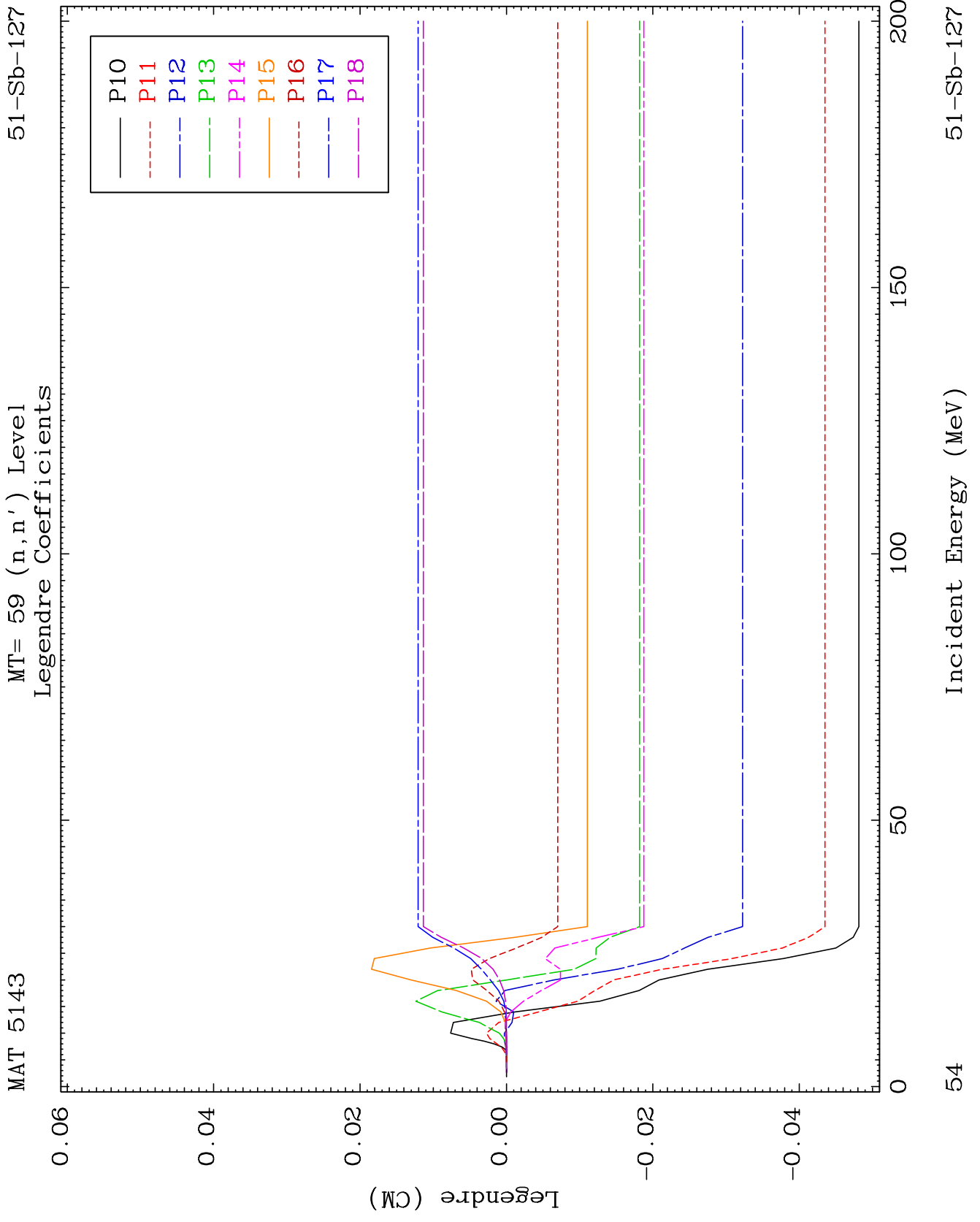
MAT 5143

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

51-Sb-127



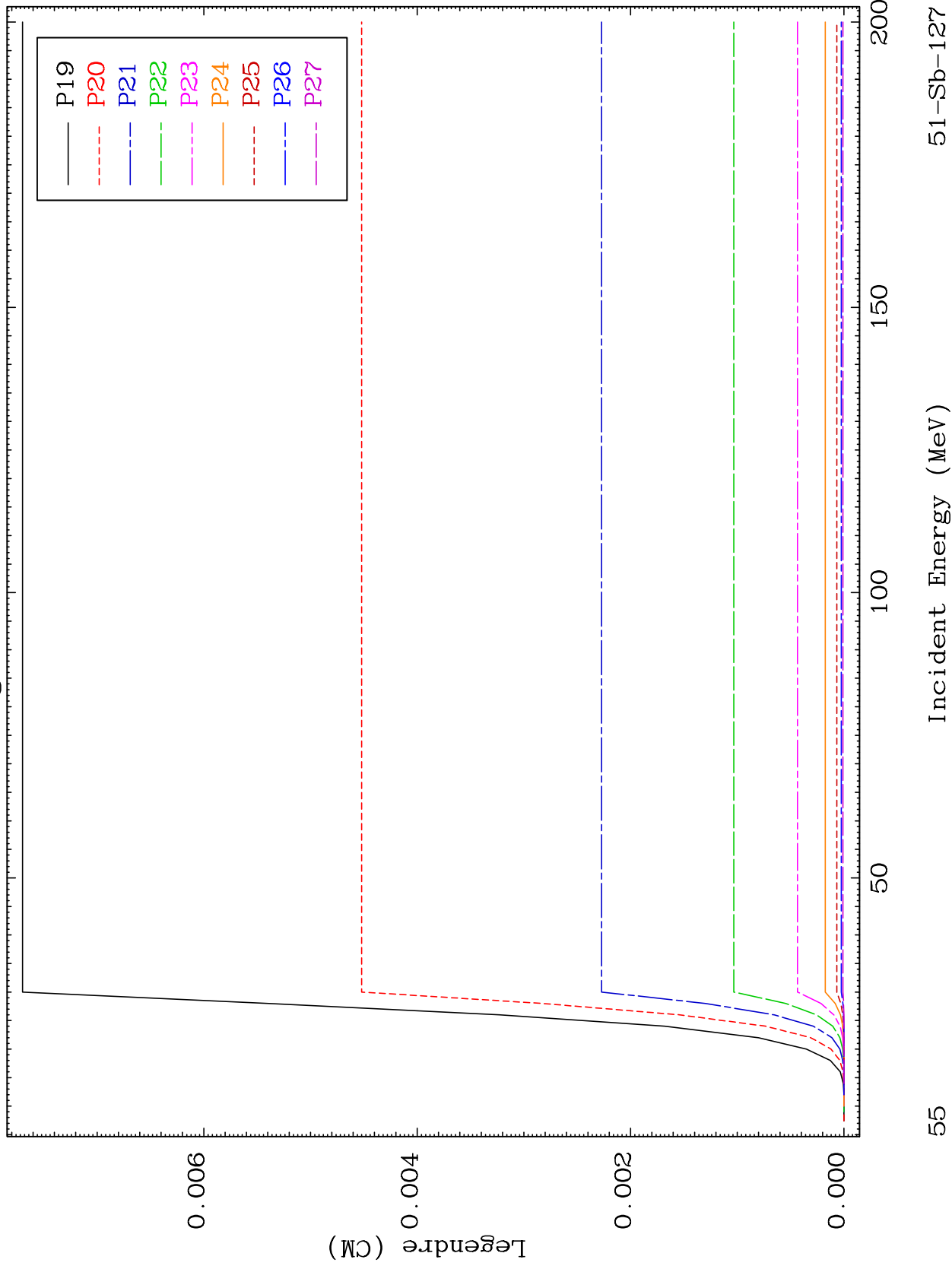




MAT 5143

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

51-Sb-127



51-Sb-127

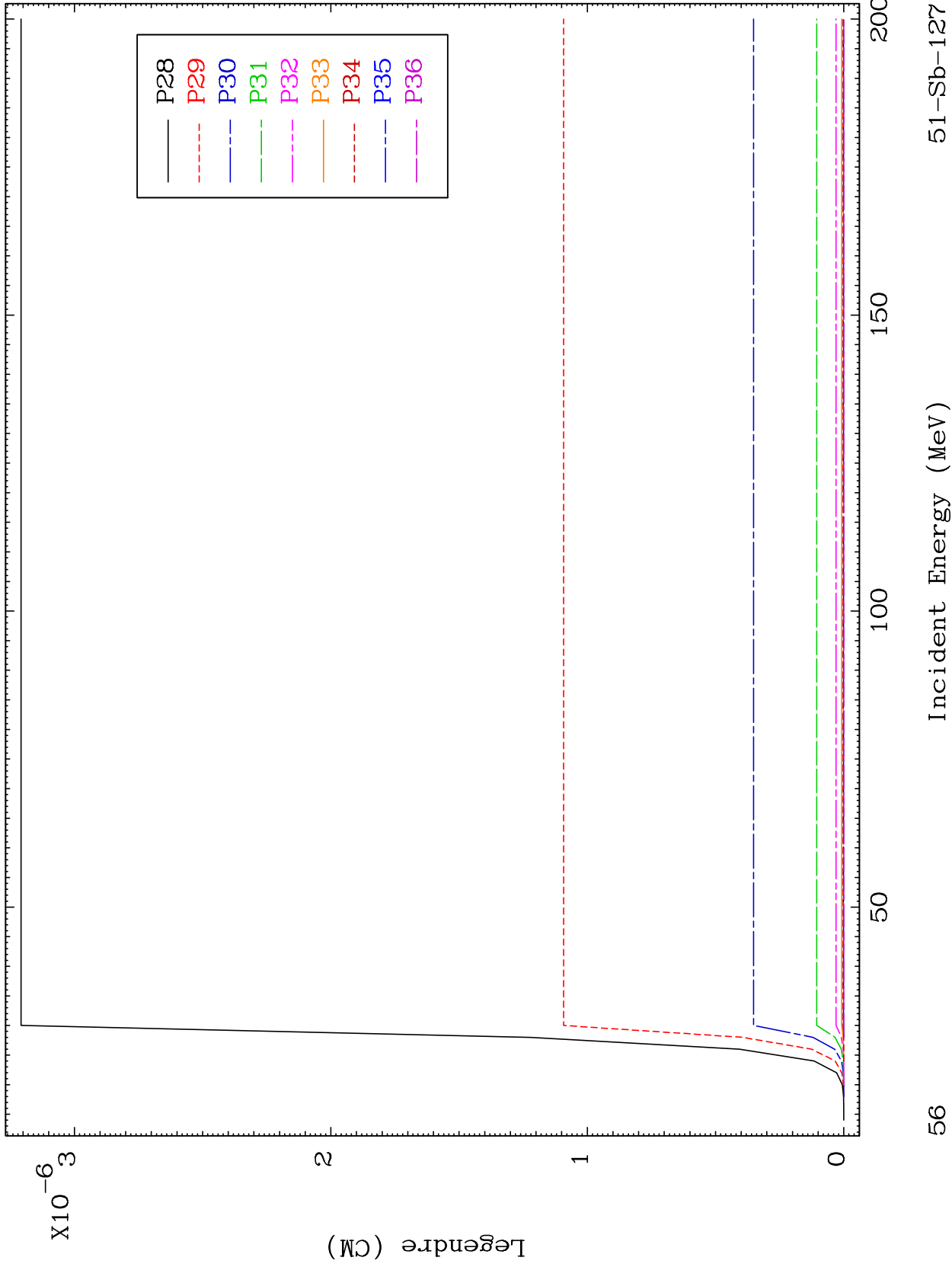
Incident Energy (MeV)

55

MAT 5143

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

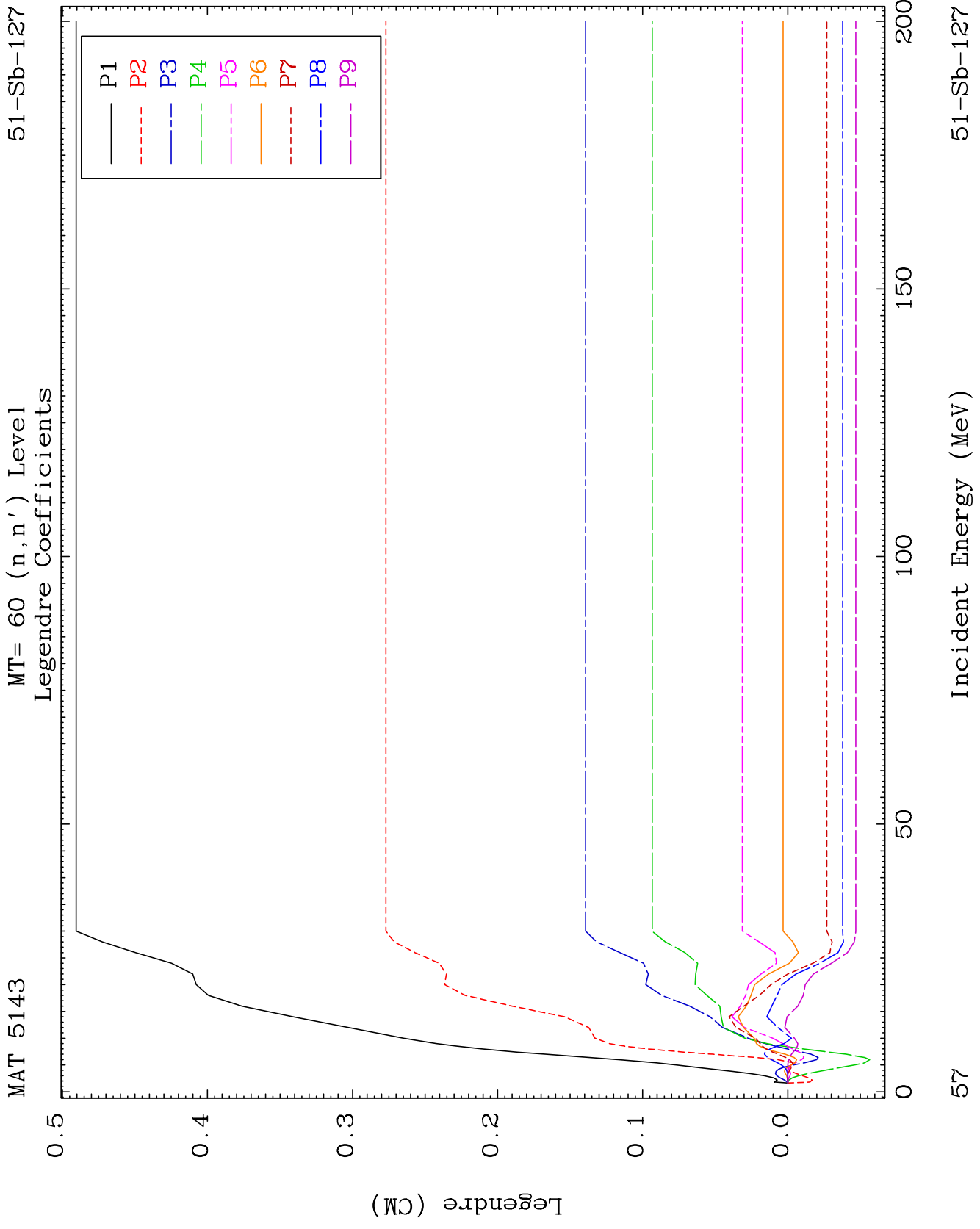
51-Sb-127

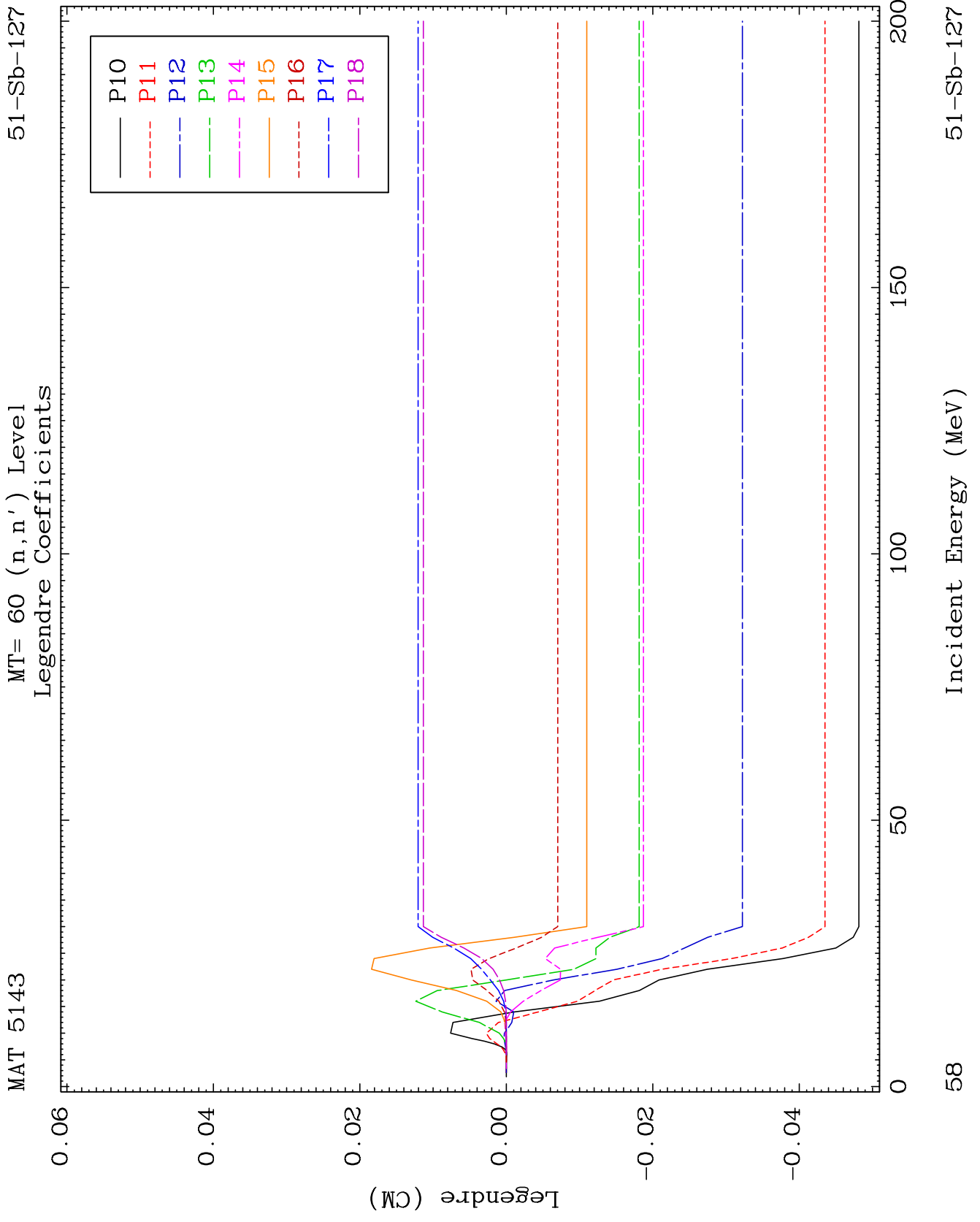


56

Incident Energy (MeV)

51-Sb-127

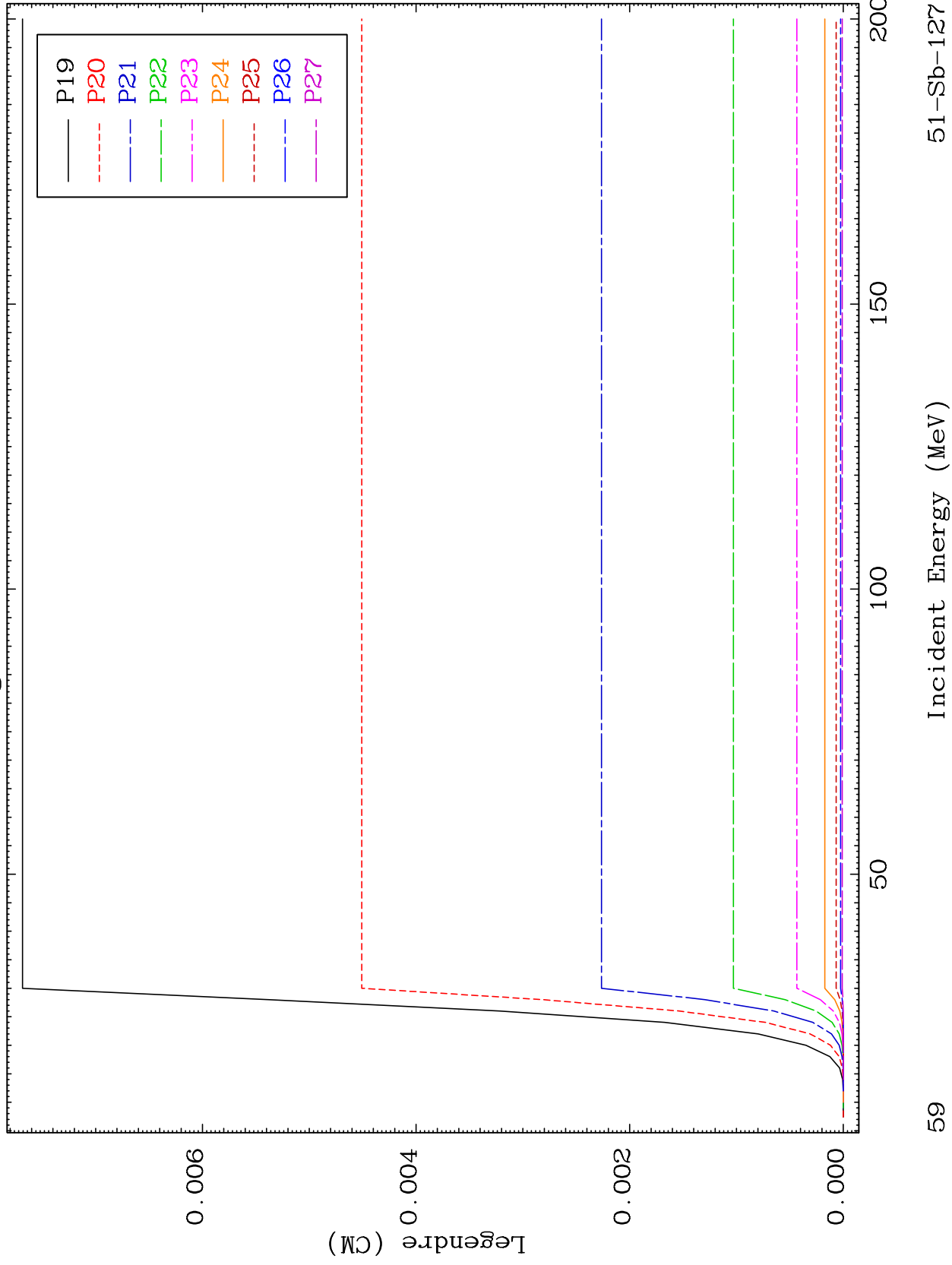




MAT 5143

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

51-Sb-127



59

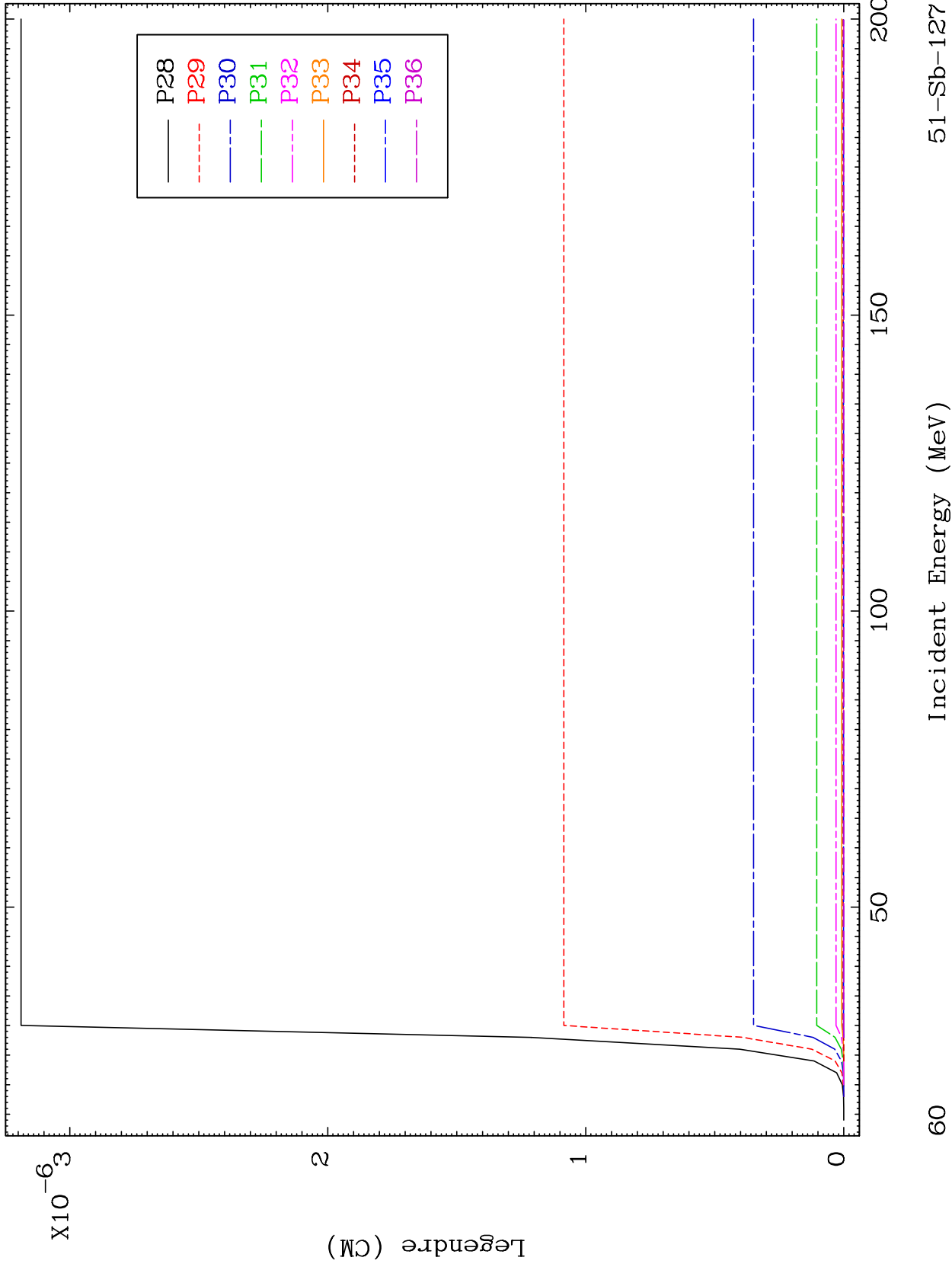
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



60

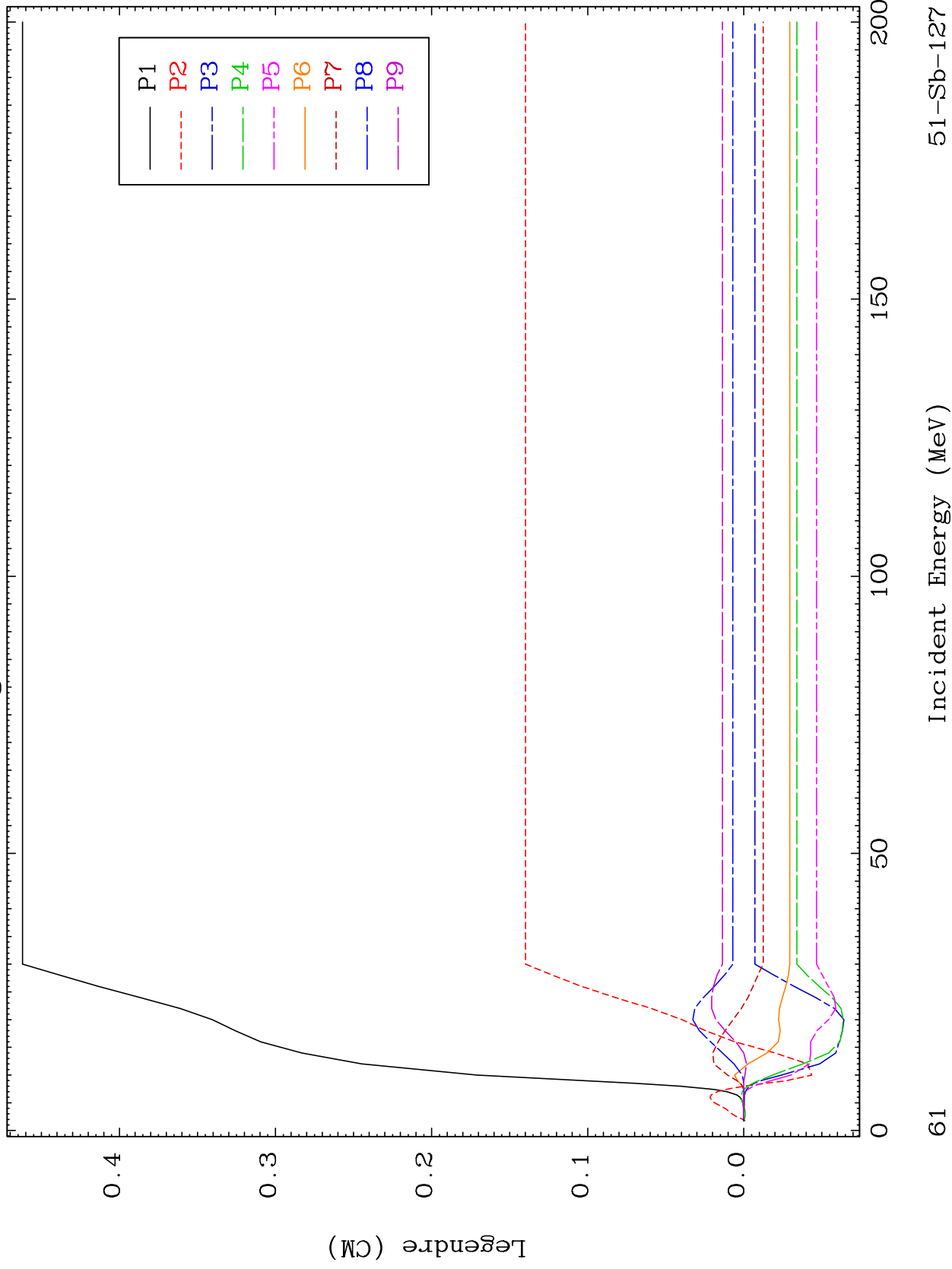
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

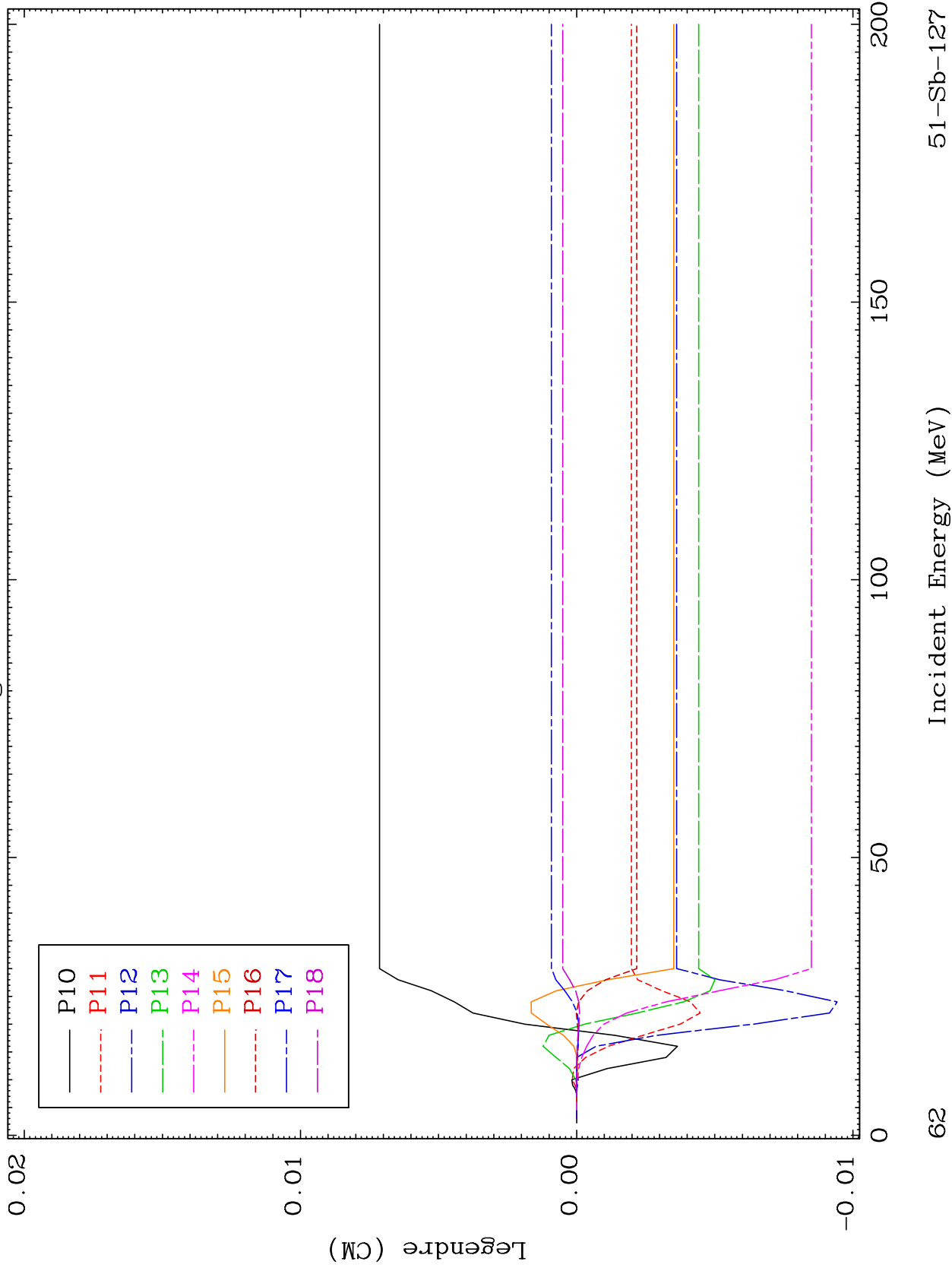
Incident Energy (MeV)

61

MAT 5143

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

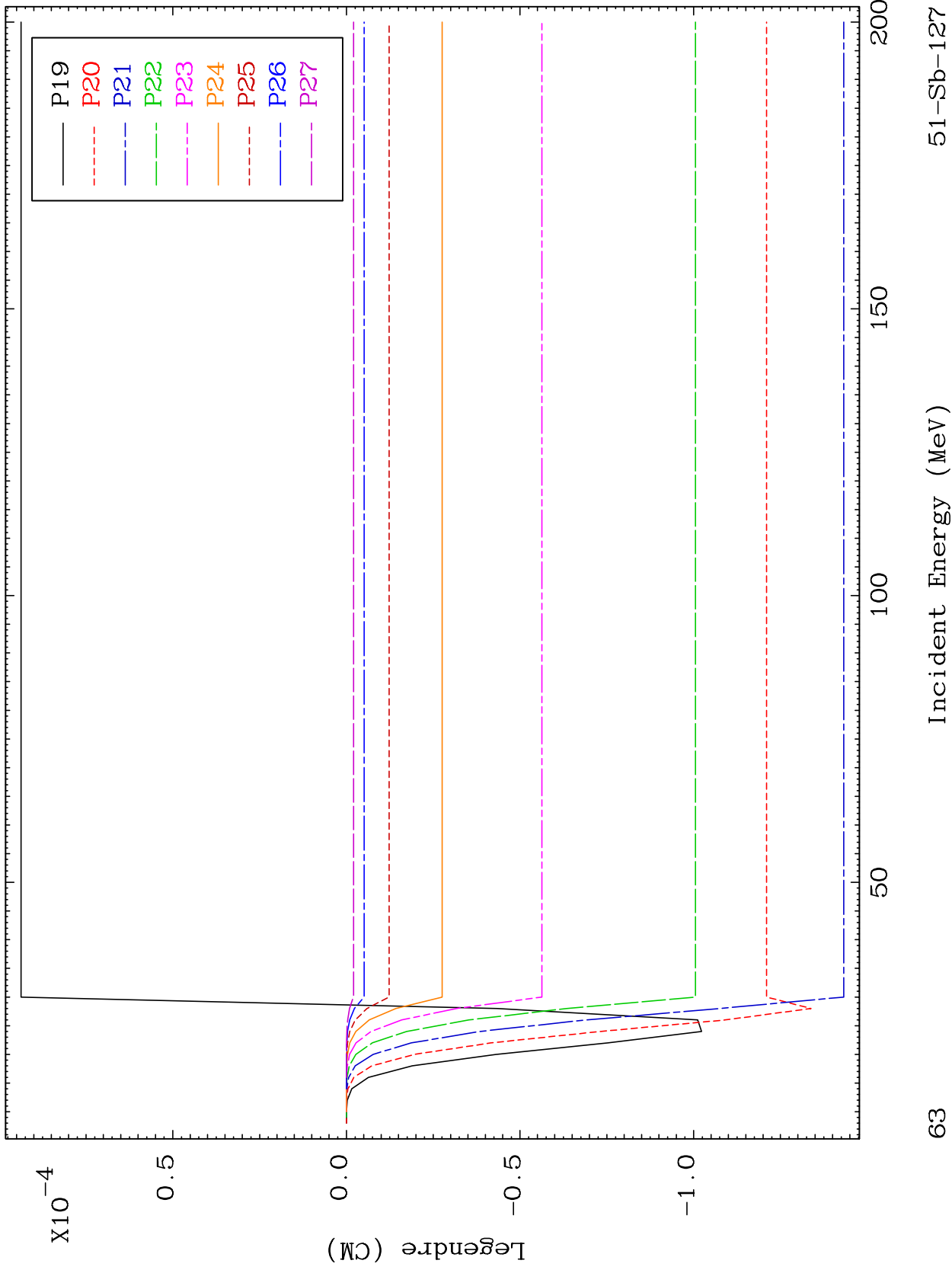
51-Sb-127



51-Sb-127

Incident Energy (MeV)

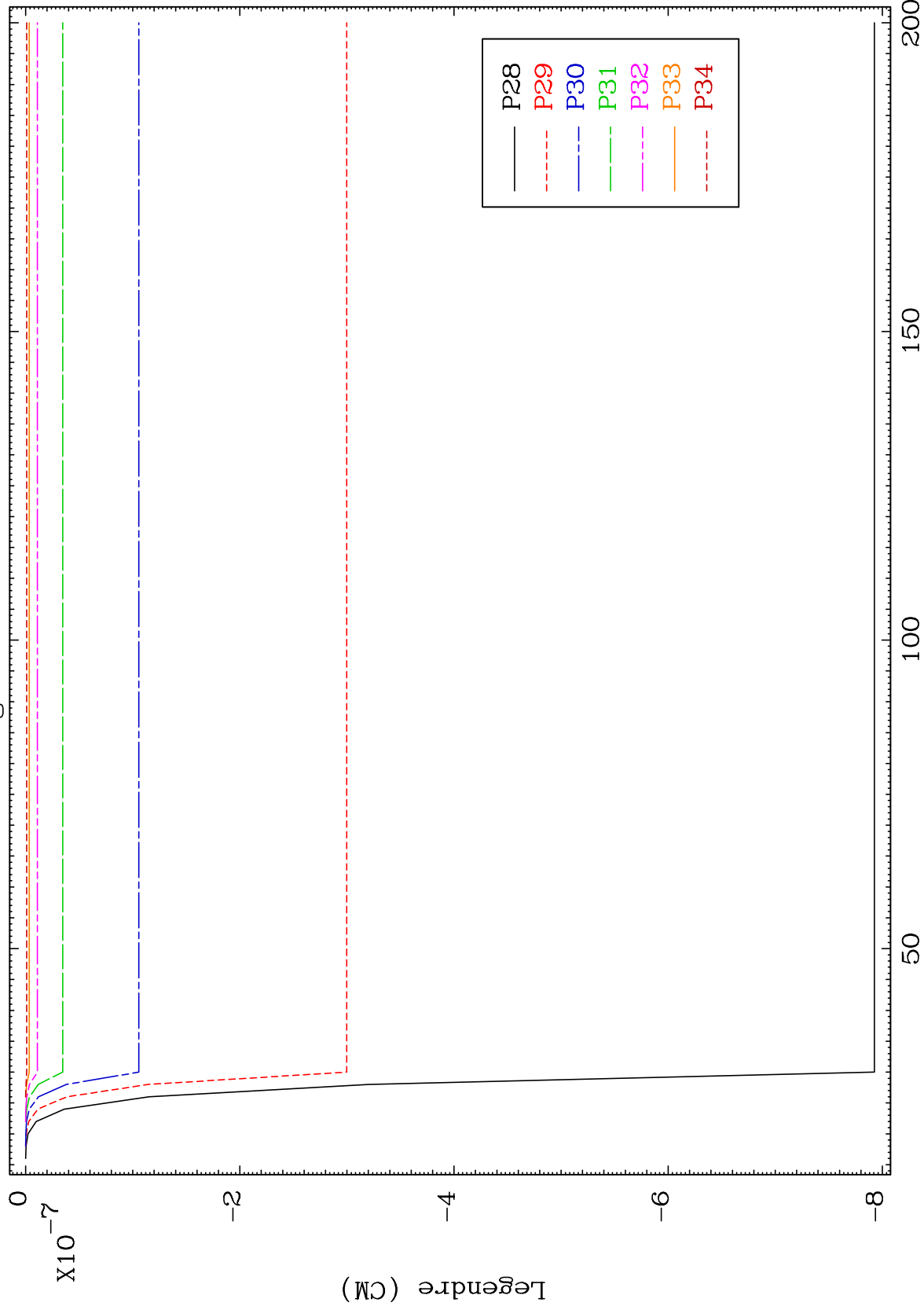
62



MAT 5143

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

51-Sb-127



64

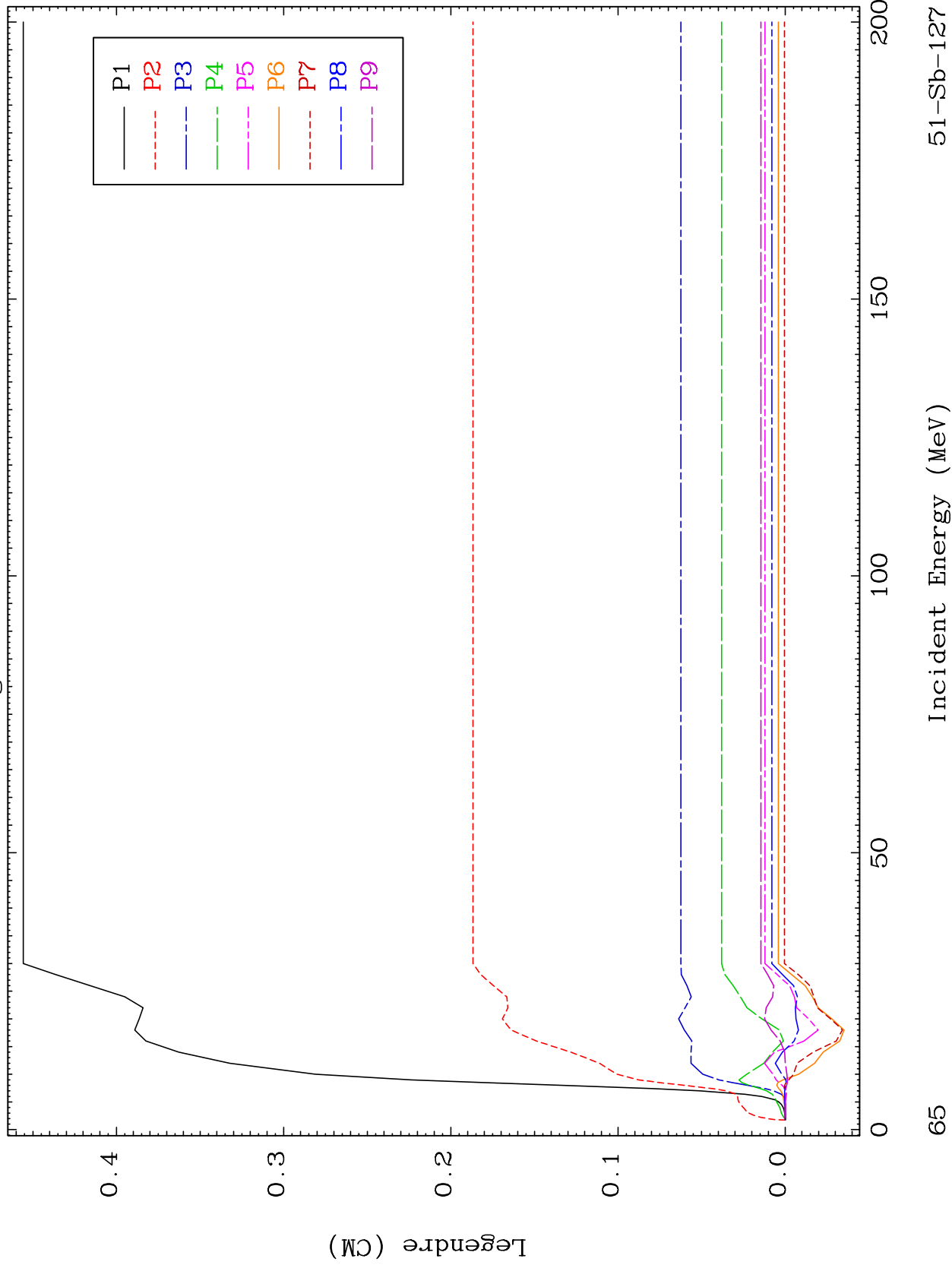
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

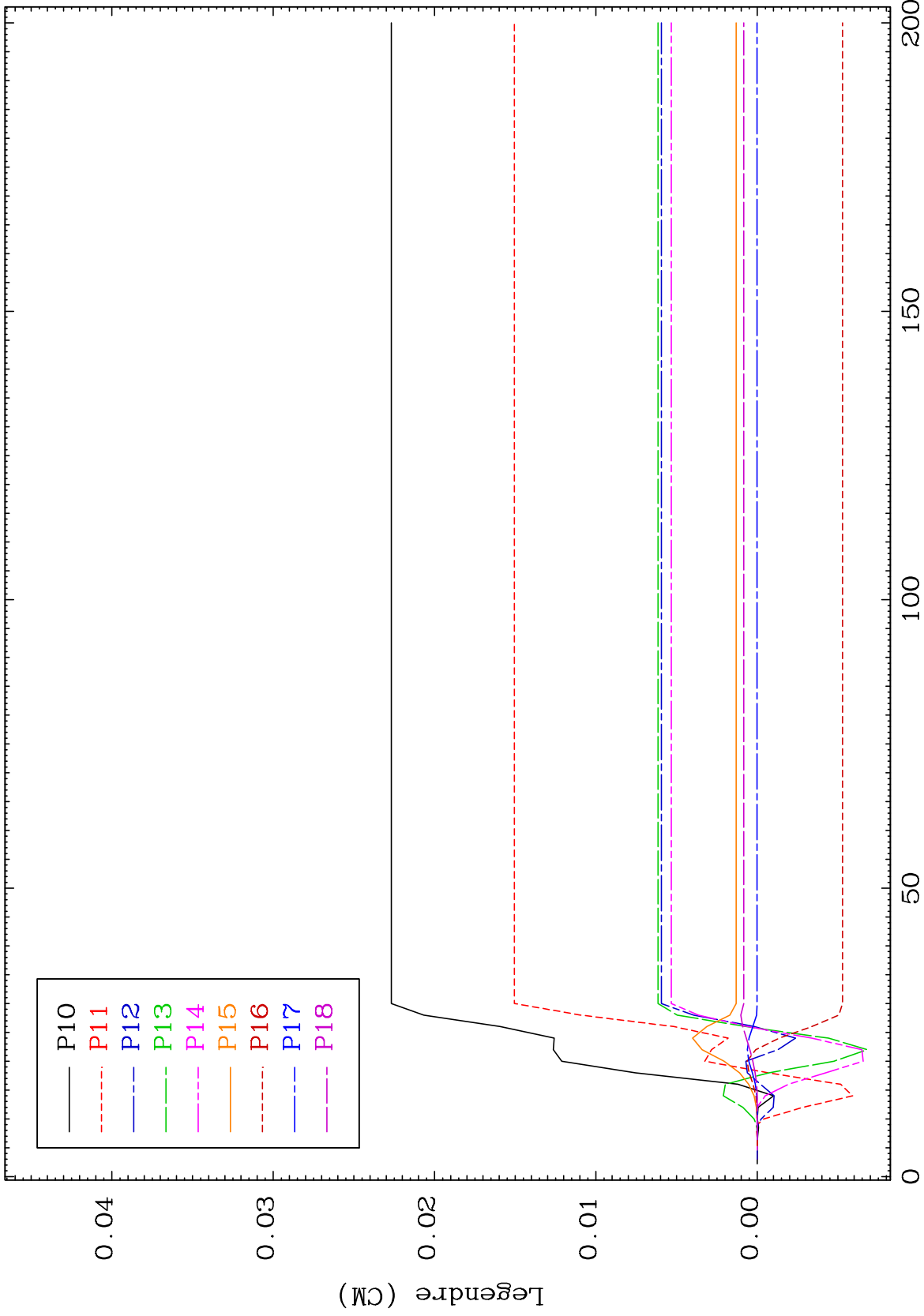
Incident Energy (MeV)

65

MAT 5143

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

51-Sb-127



66

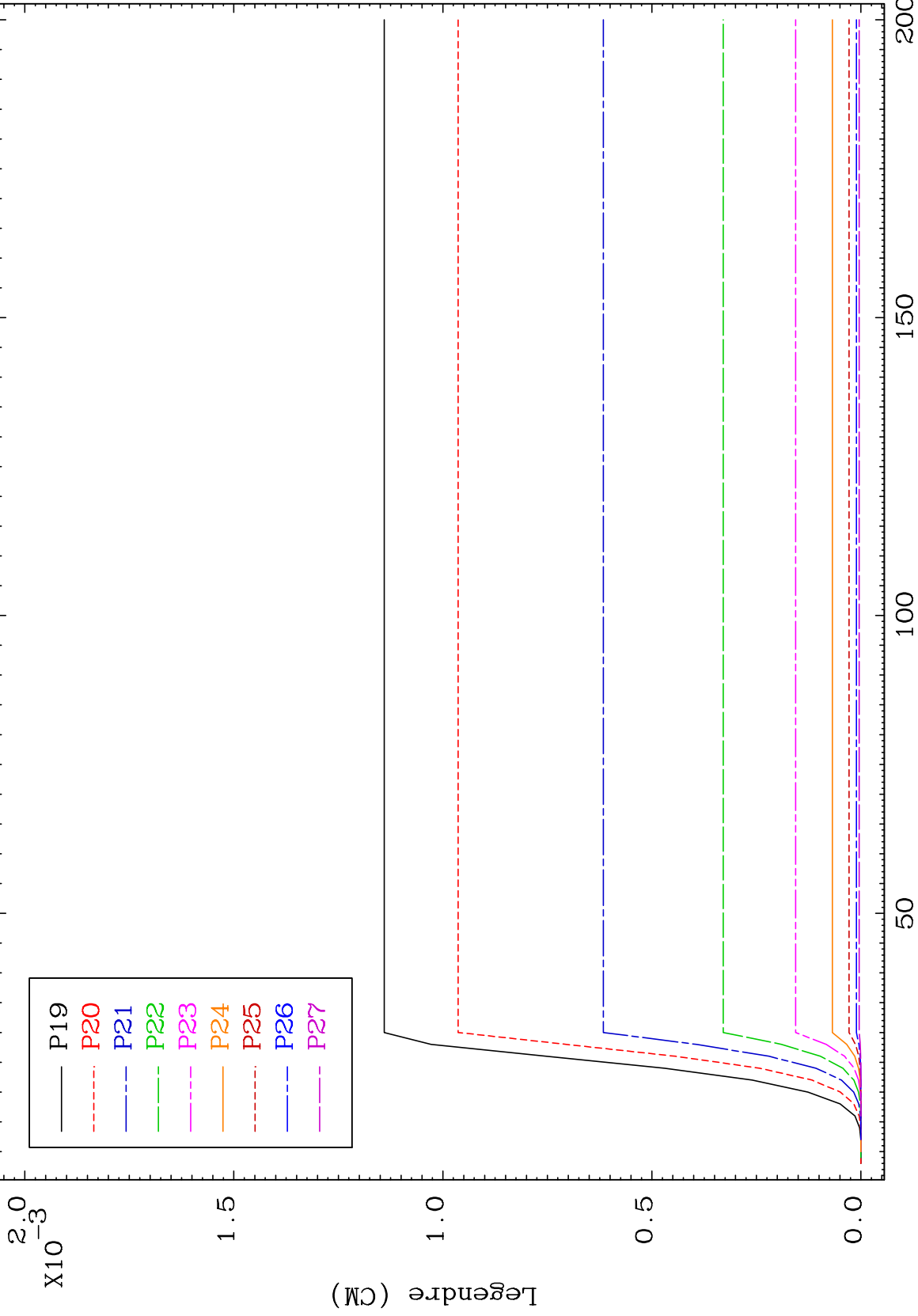
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



67

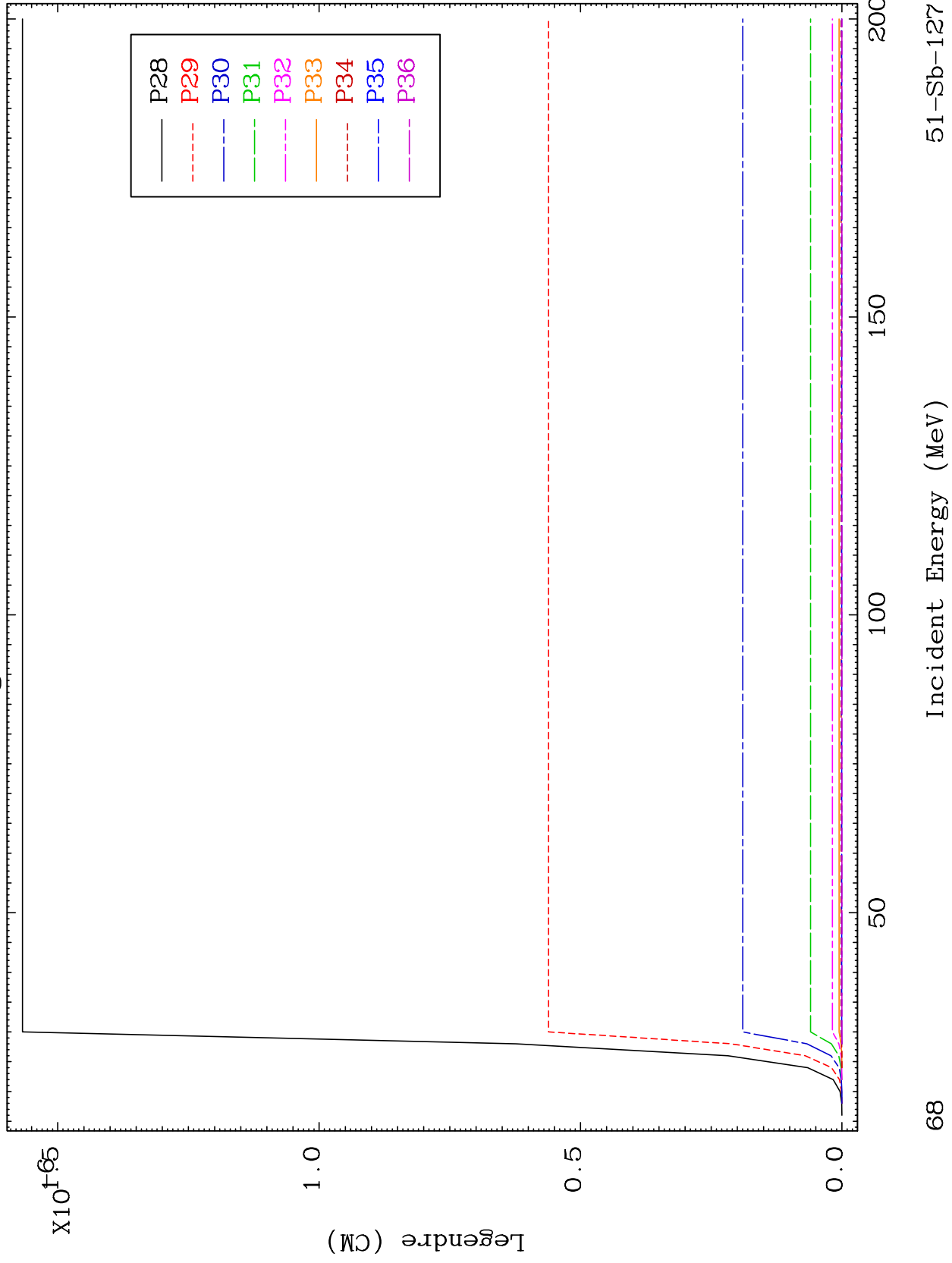
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



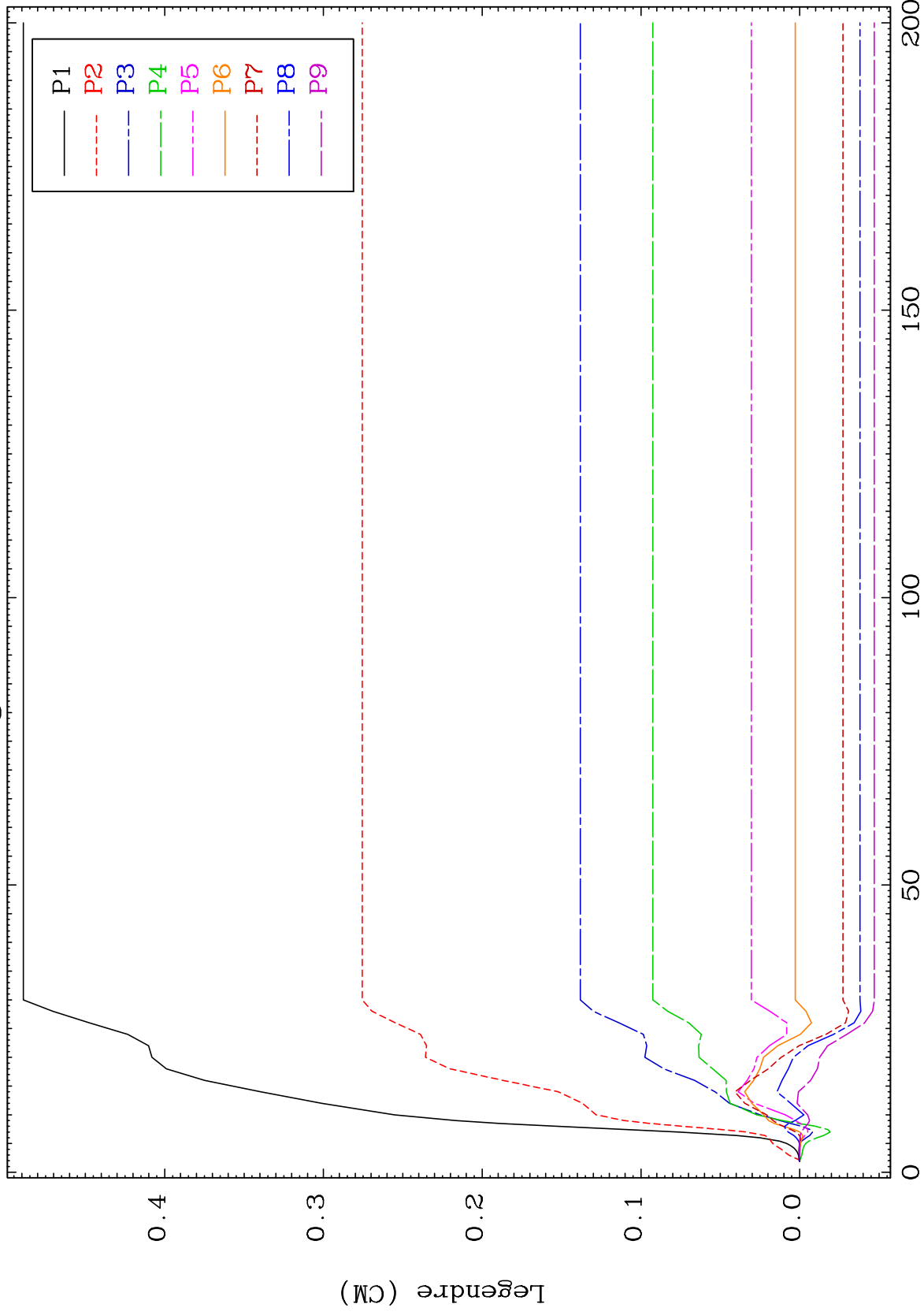
68

51-Sb-127

MAT 5143

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

51-Sb-127



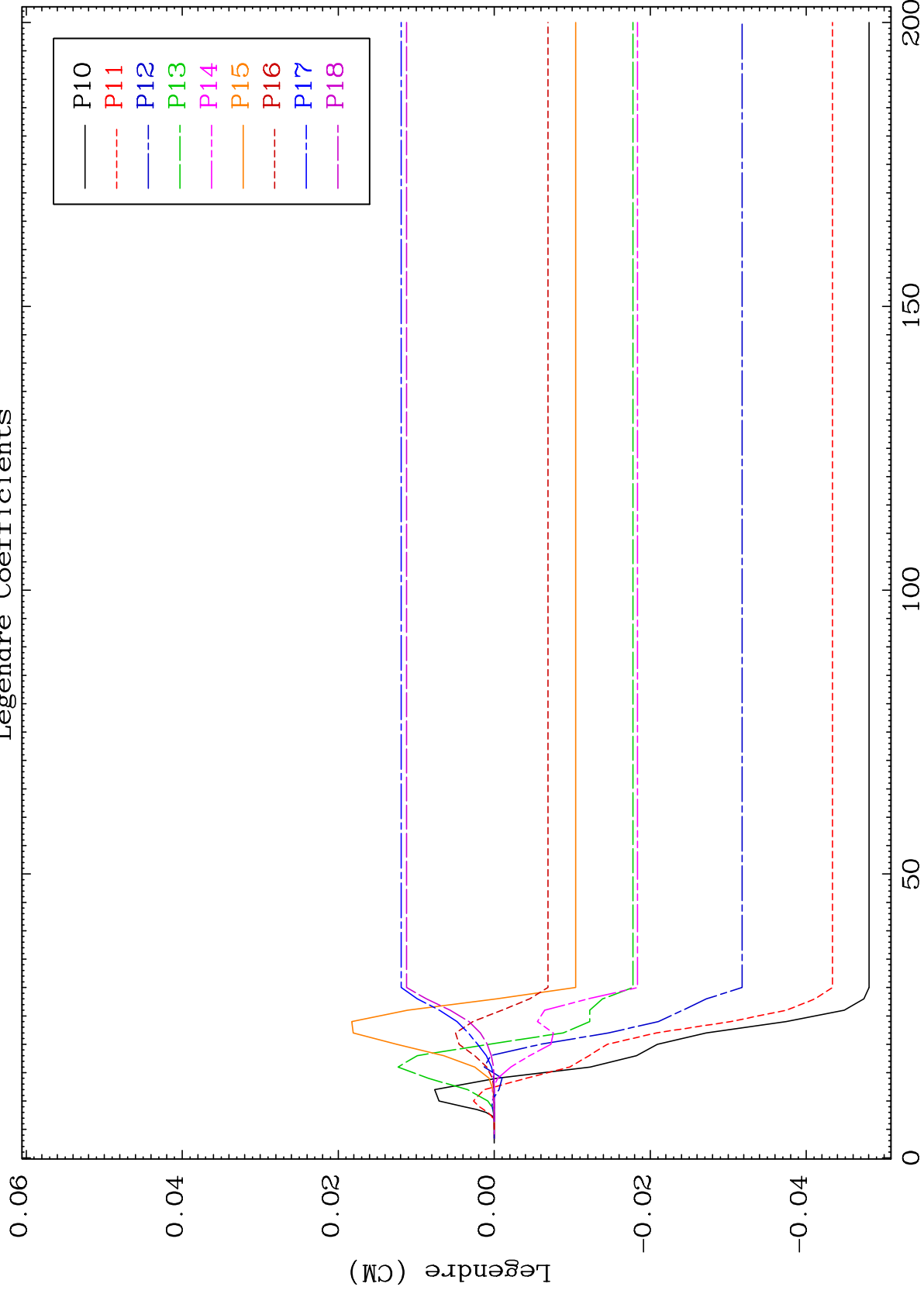
69

51-Sb-127

MAT 5143

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

51-Sb-127



70

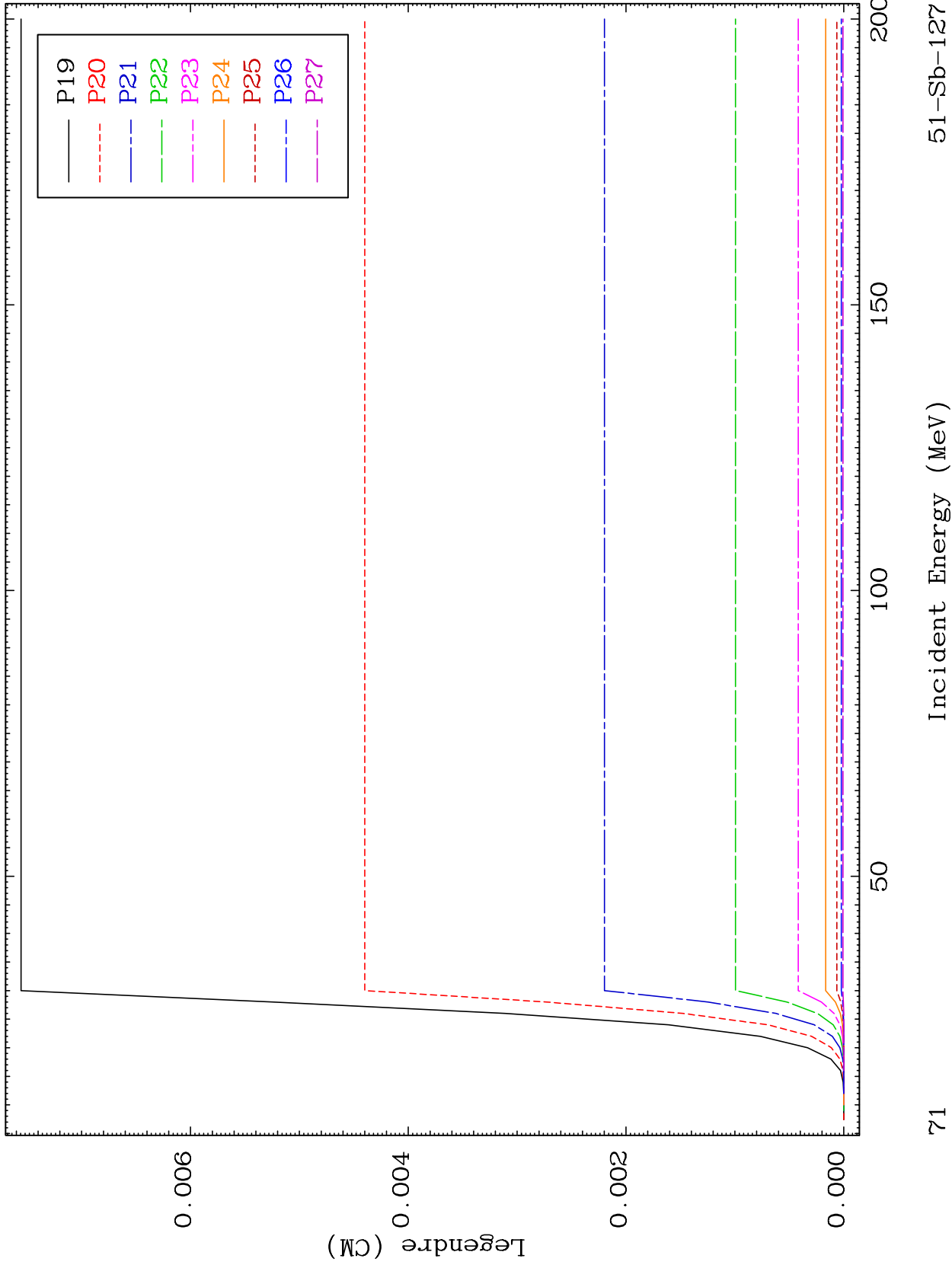
Incident Energy (MeV)

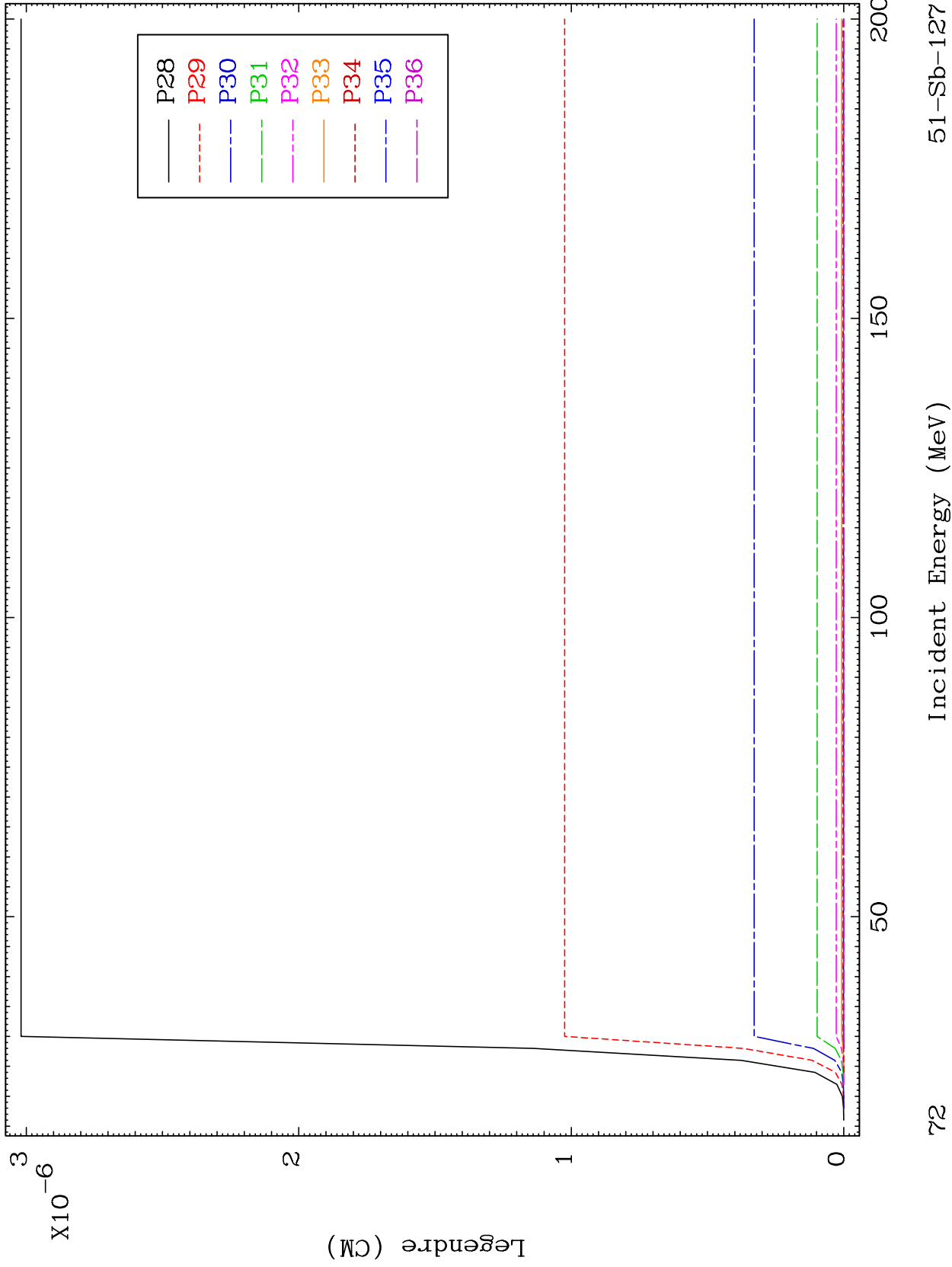
51-Sb-127

MAT 5143

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

51-Sb-127

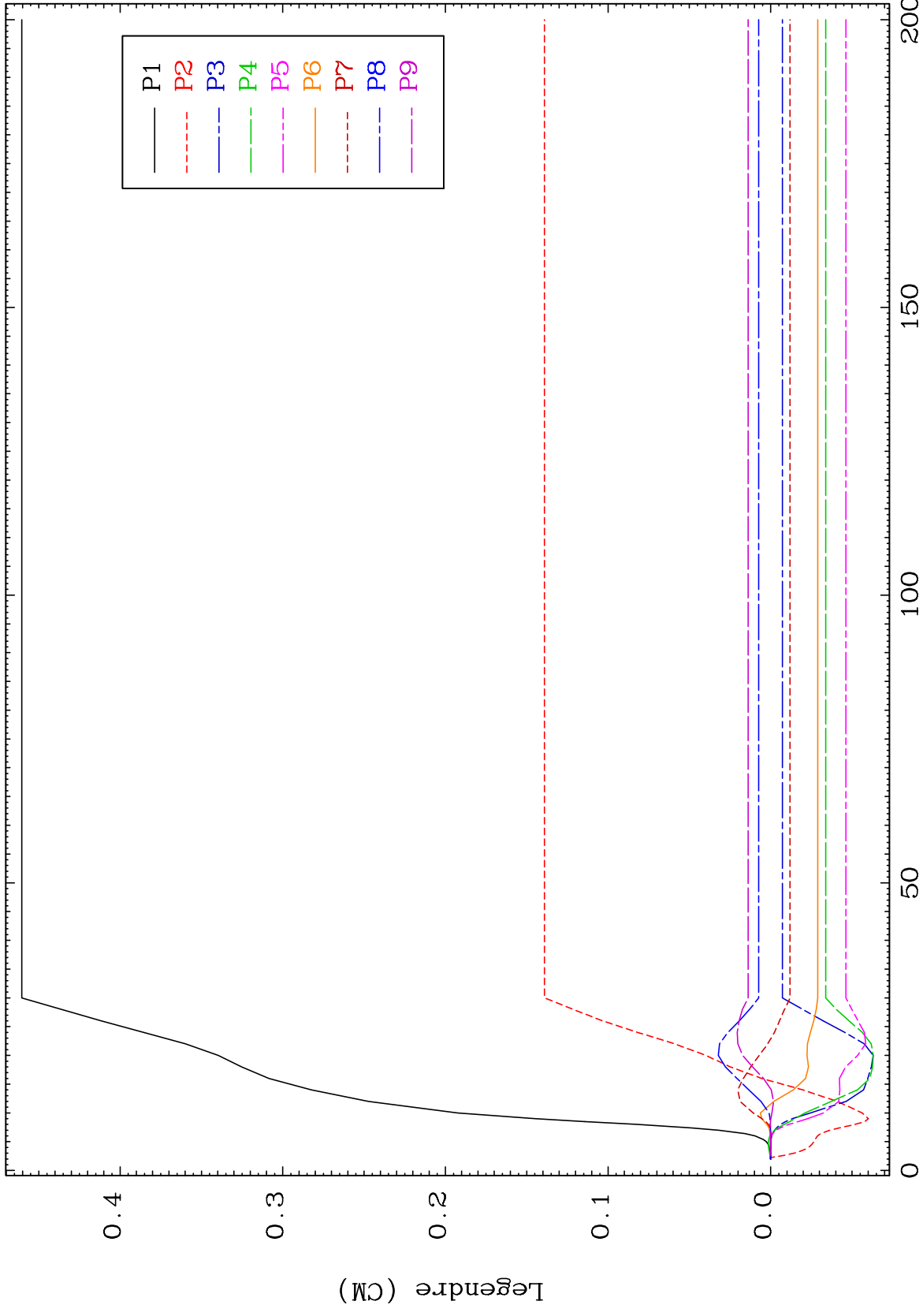




MAT 5143

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

51-Sb-127



73

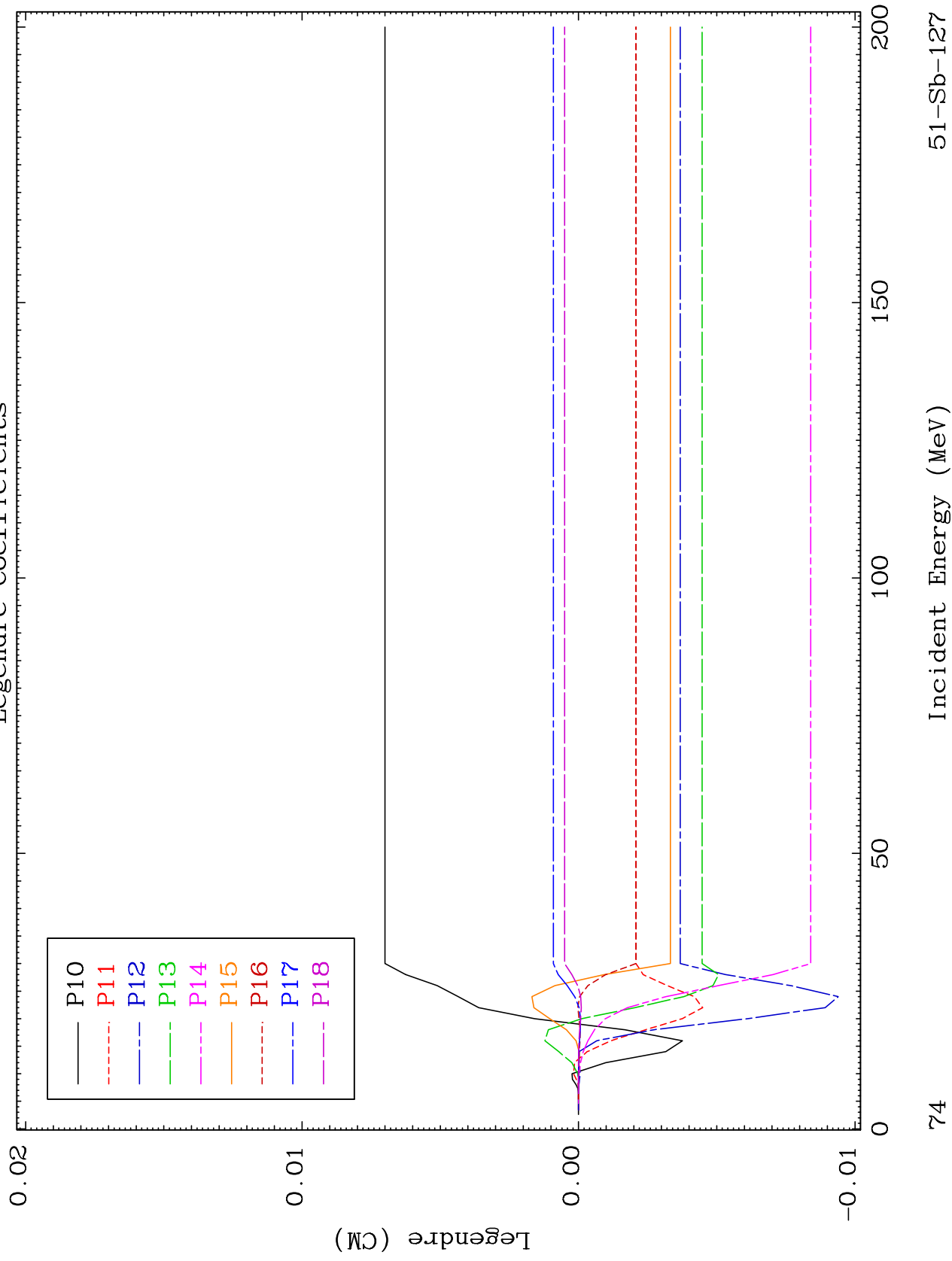
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



74

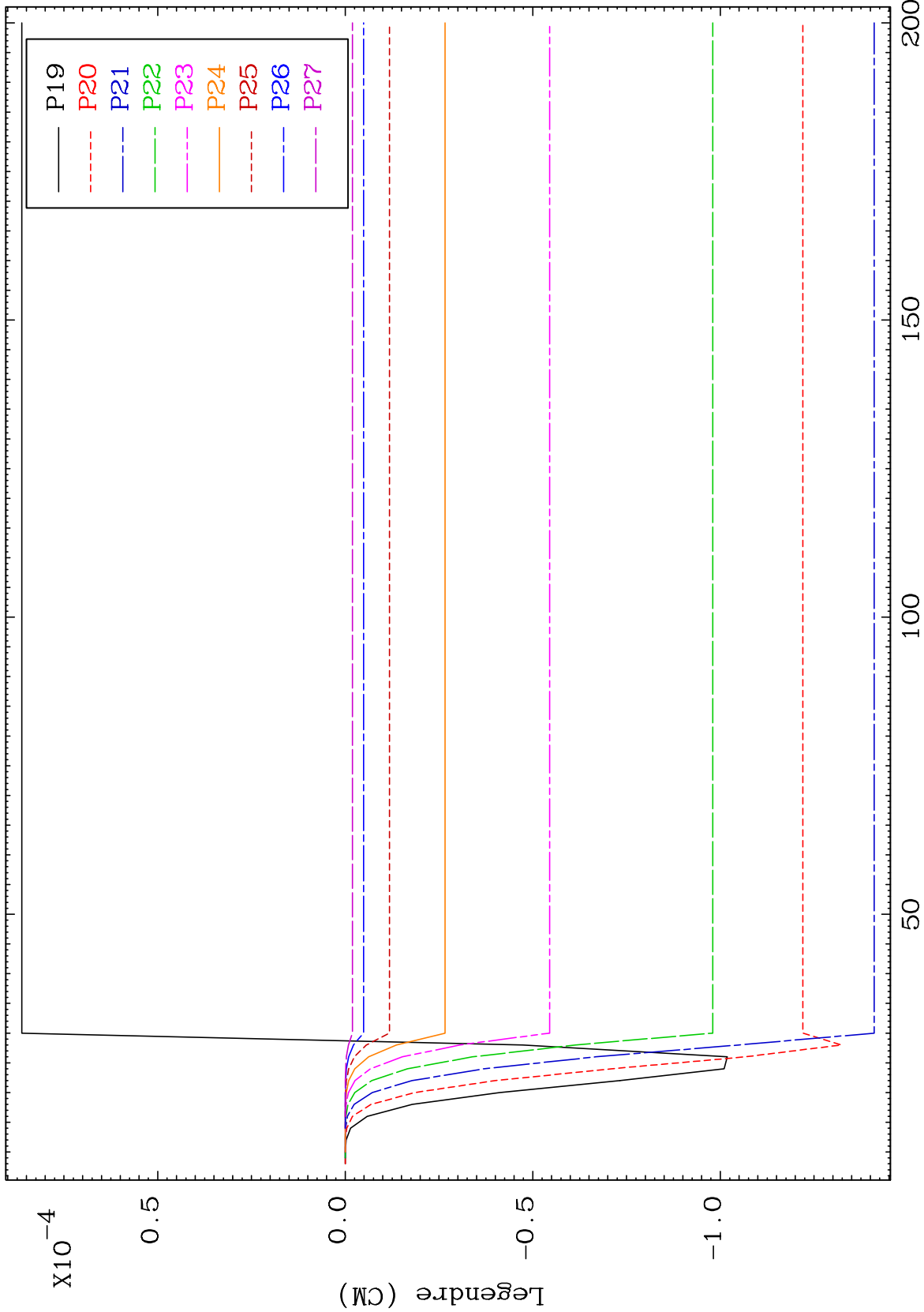
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



75

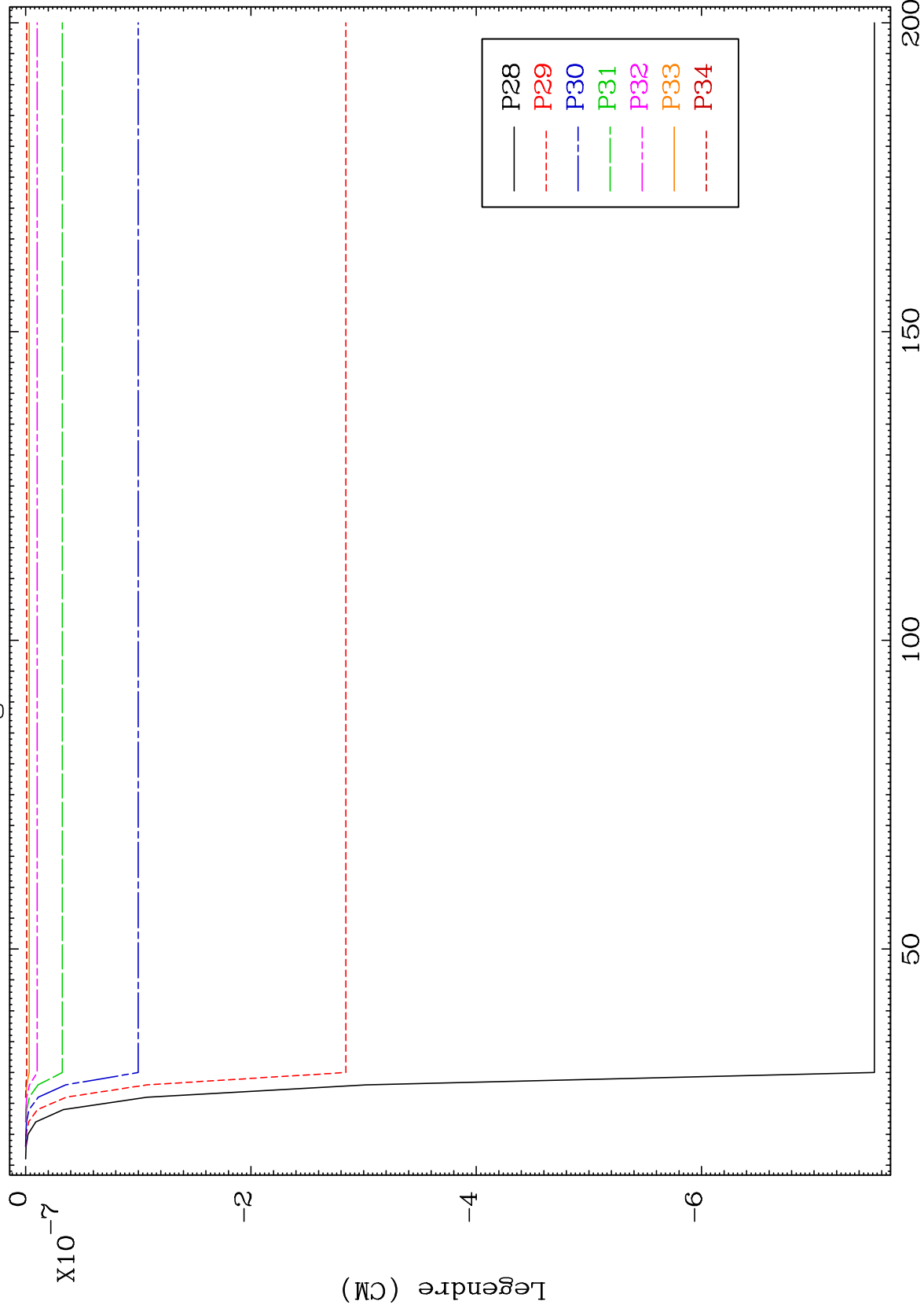
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



76

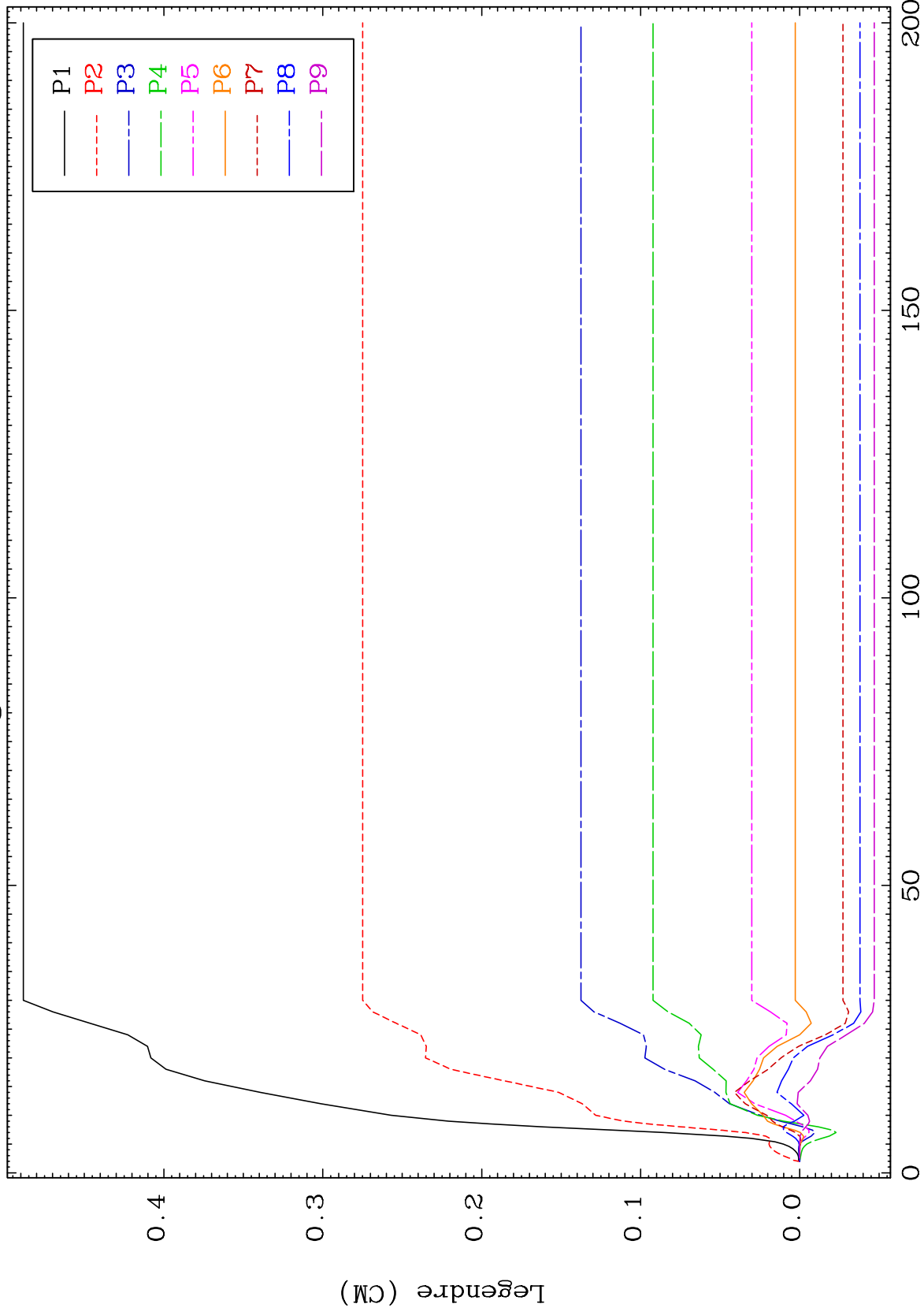
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



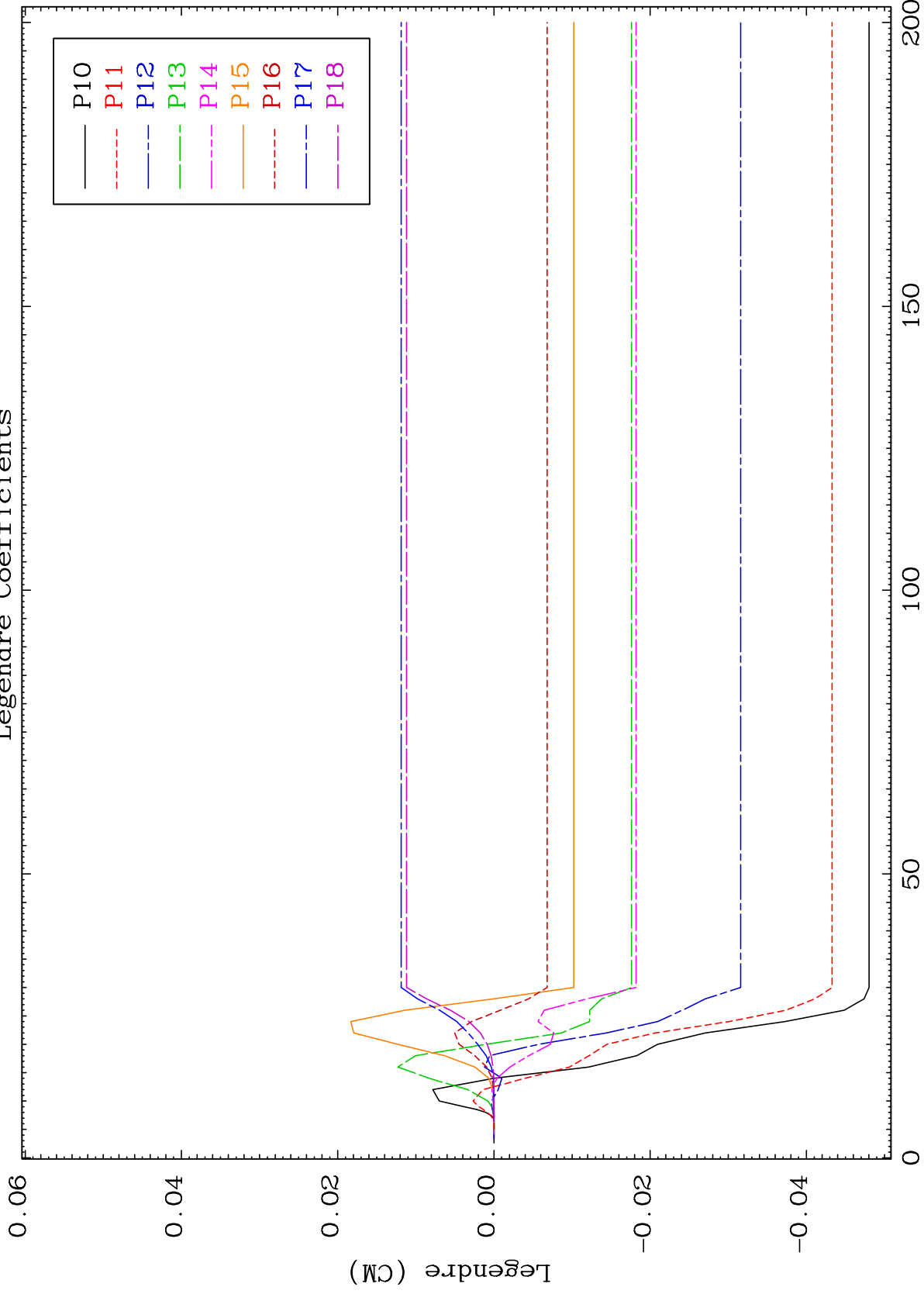
77

51-Sb-127

MAT 5143

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

51-Sb-127



78

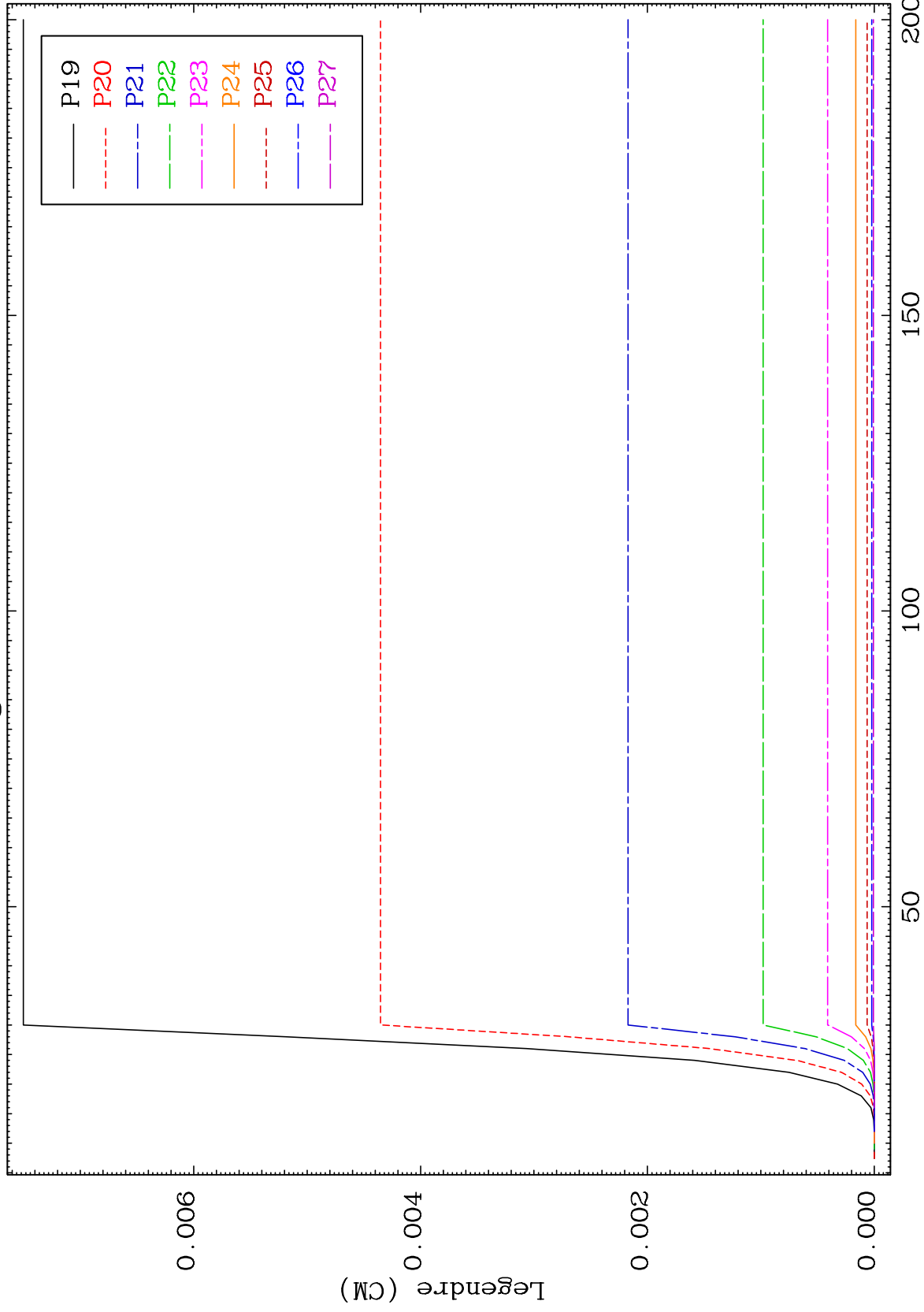
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



79

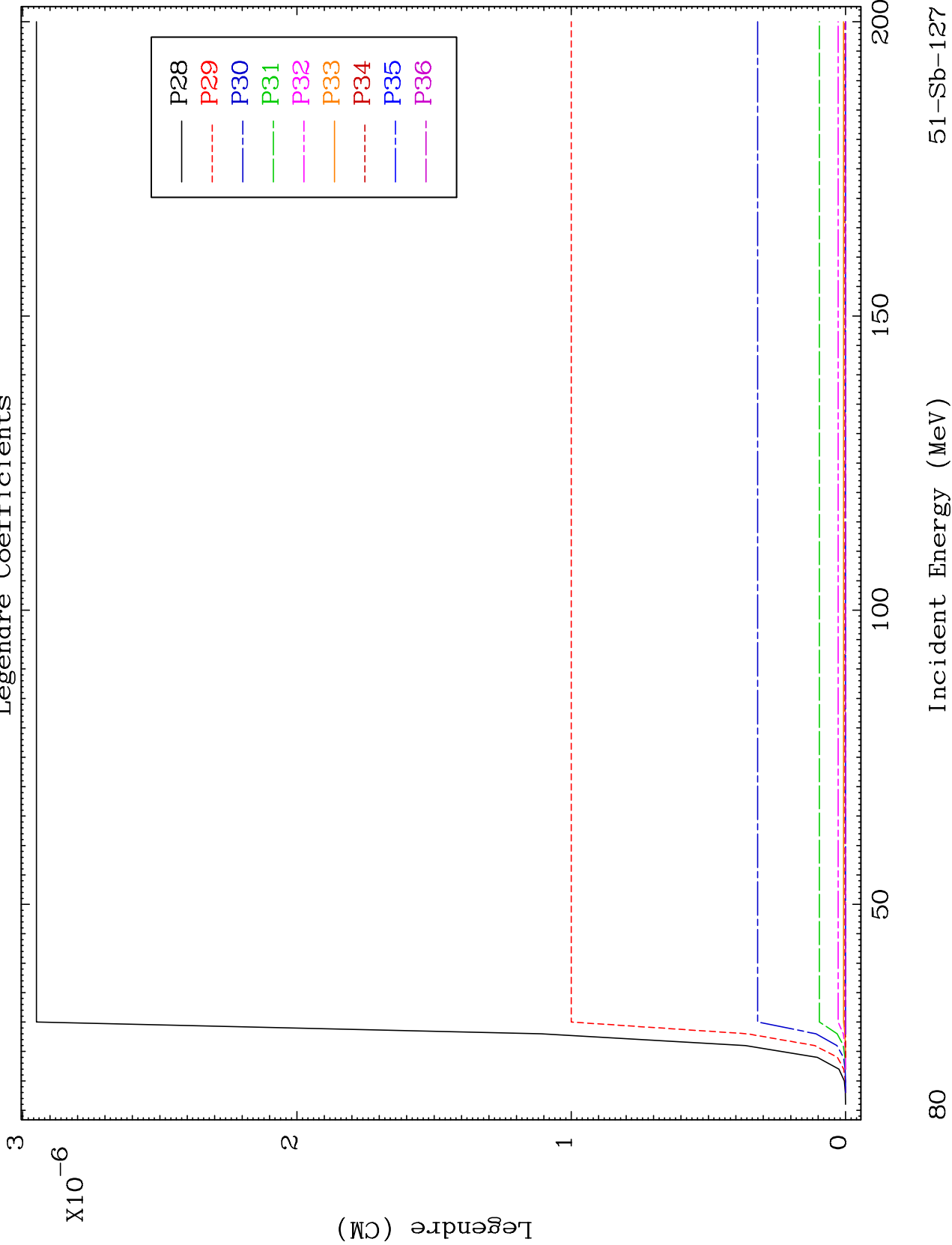
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

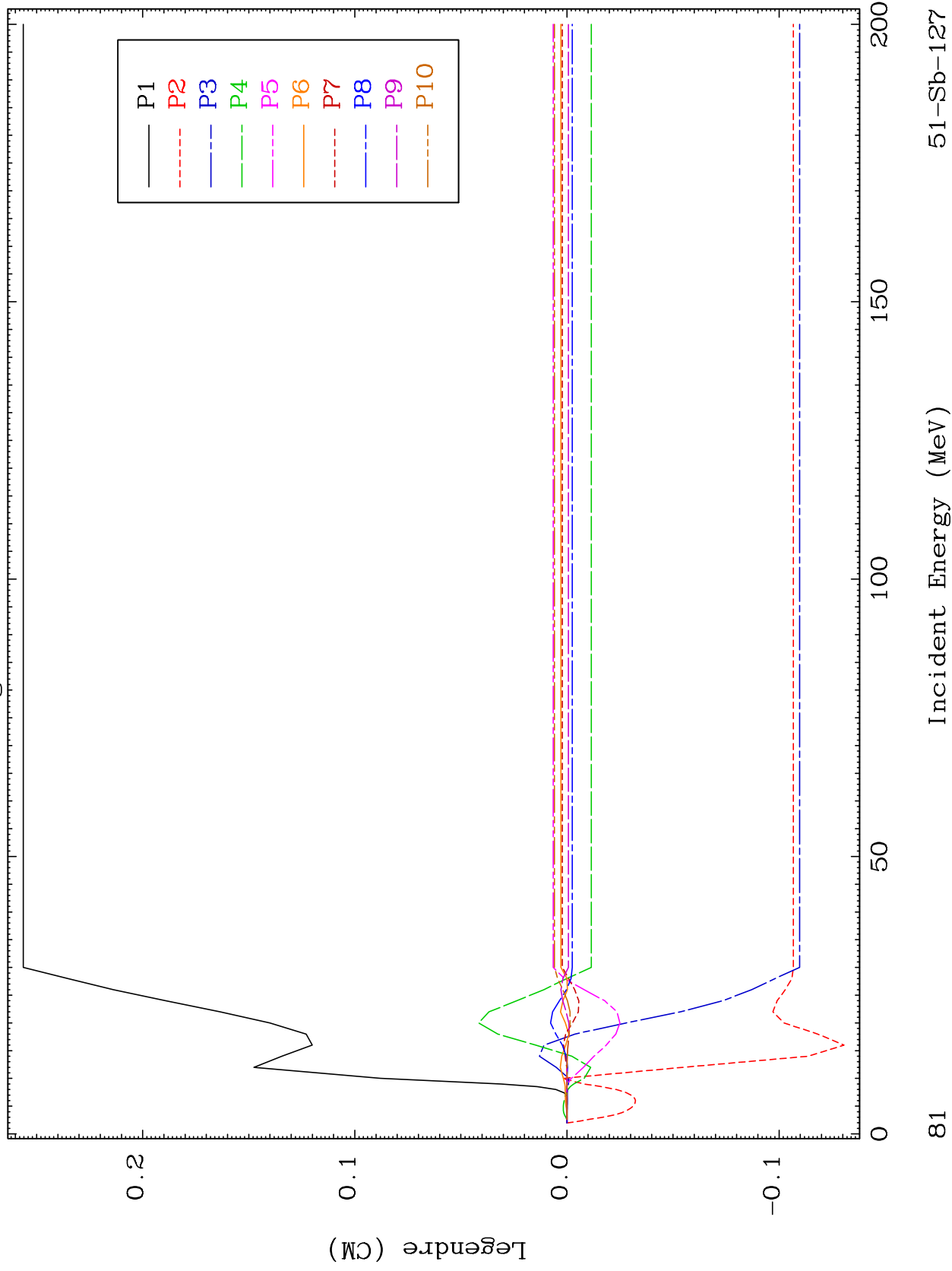
Incident Energy (MeV)

80

MAT 5143

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

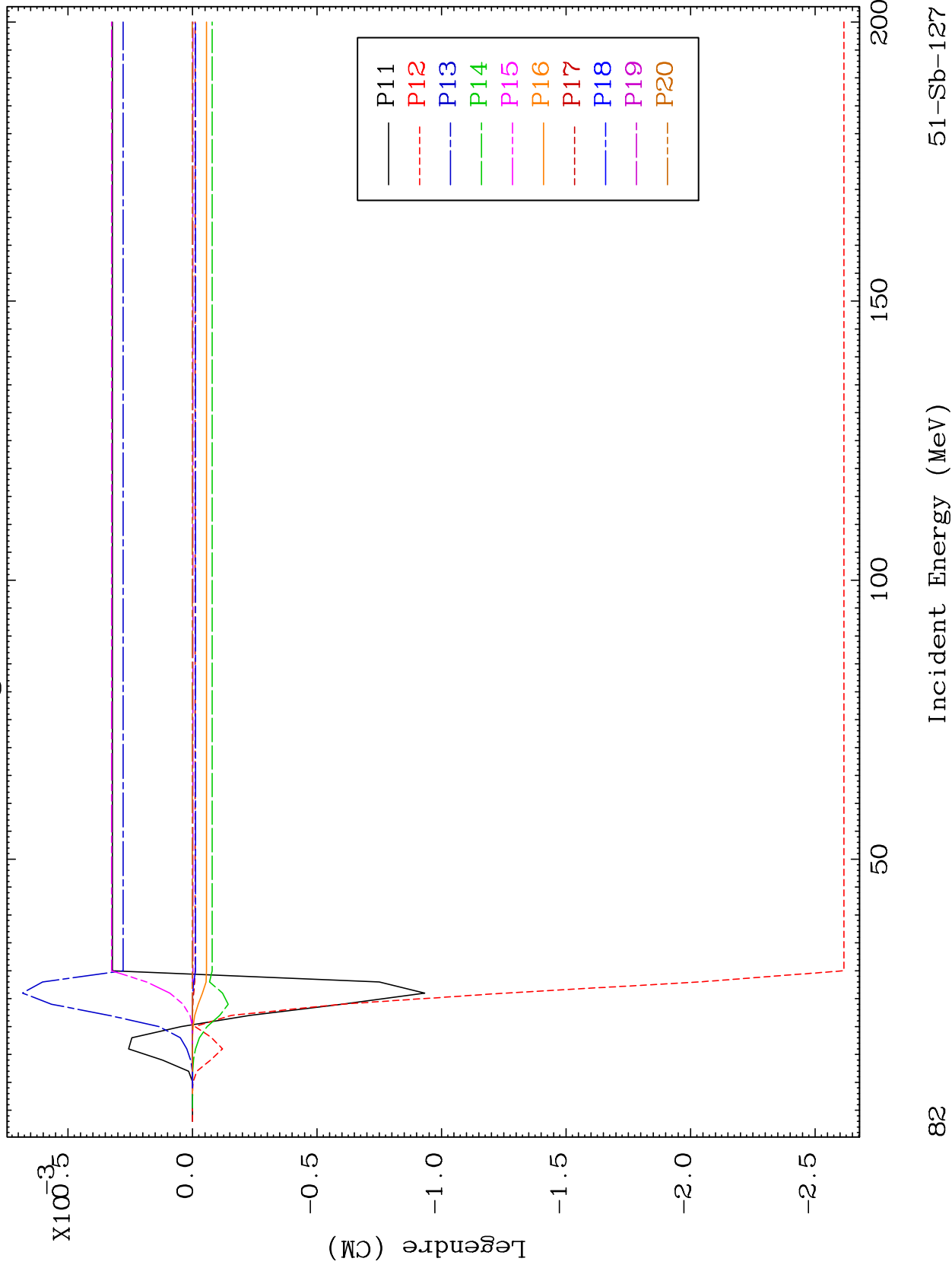
51-Sb-127



MAT 5143

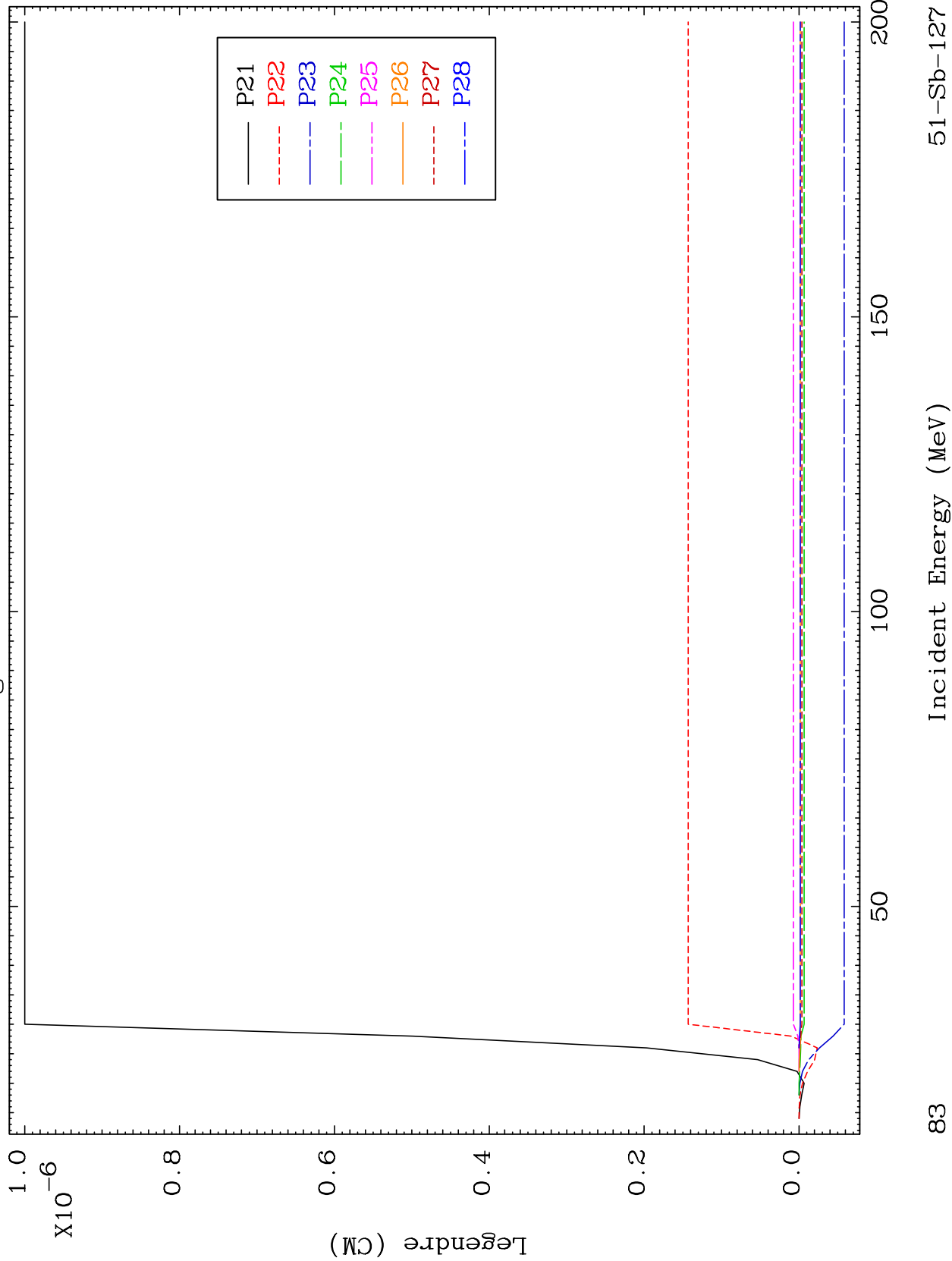
MT= 66 (n,n') Level
Legendre Coefficients

51-Sb-127



82

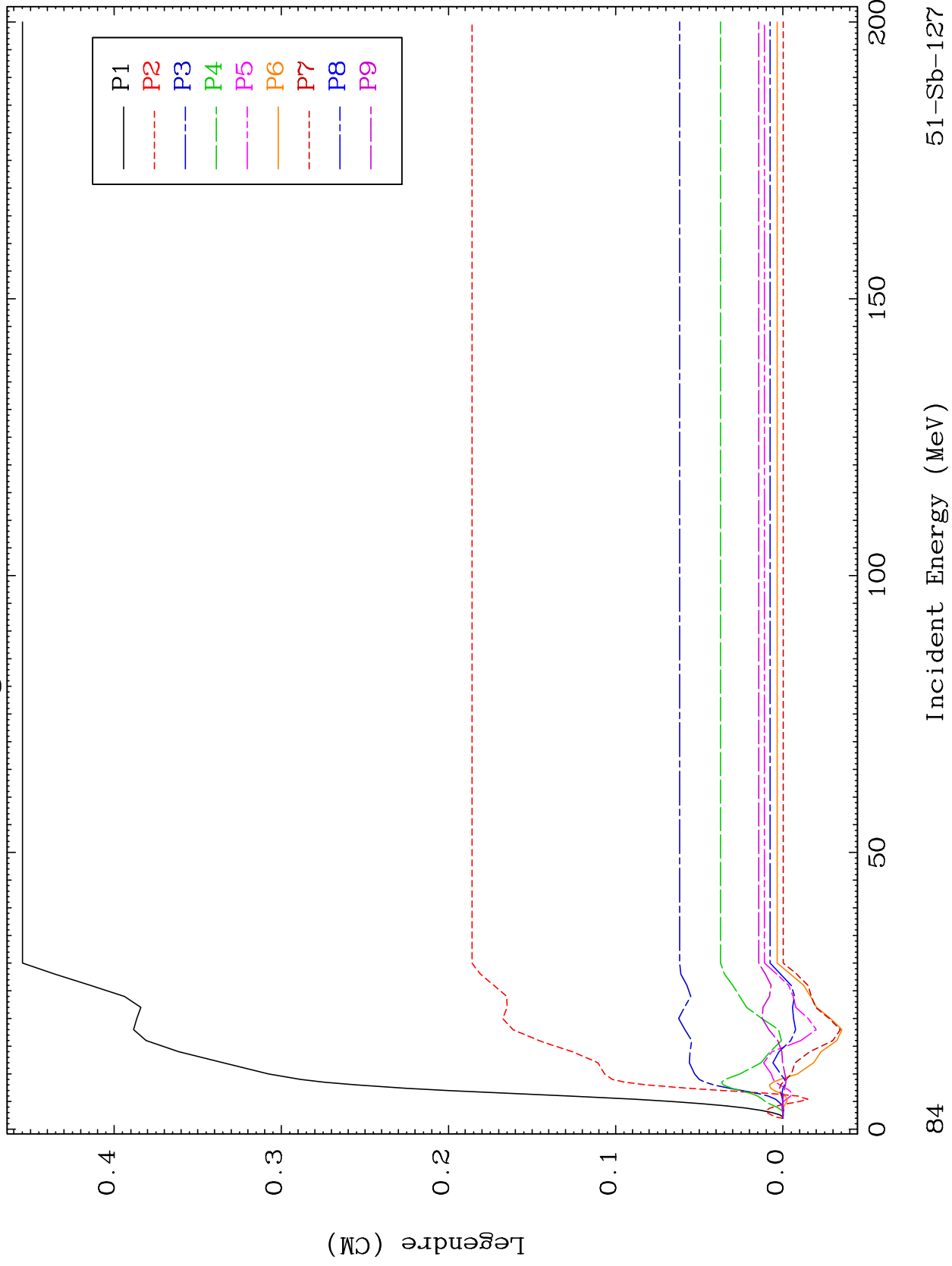
51-Sb-127



MAT 5143

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

51-Sb-127



51-Sb-127

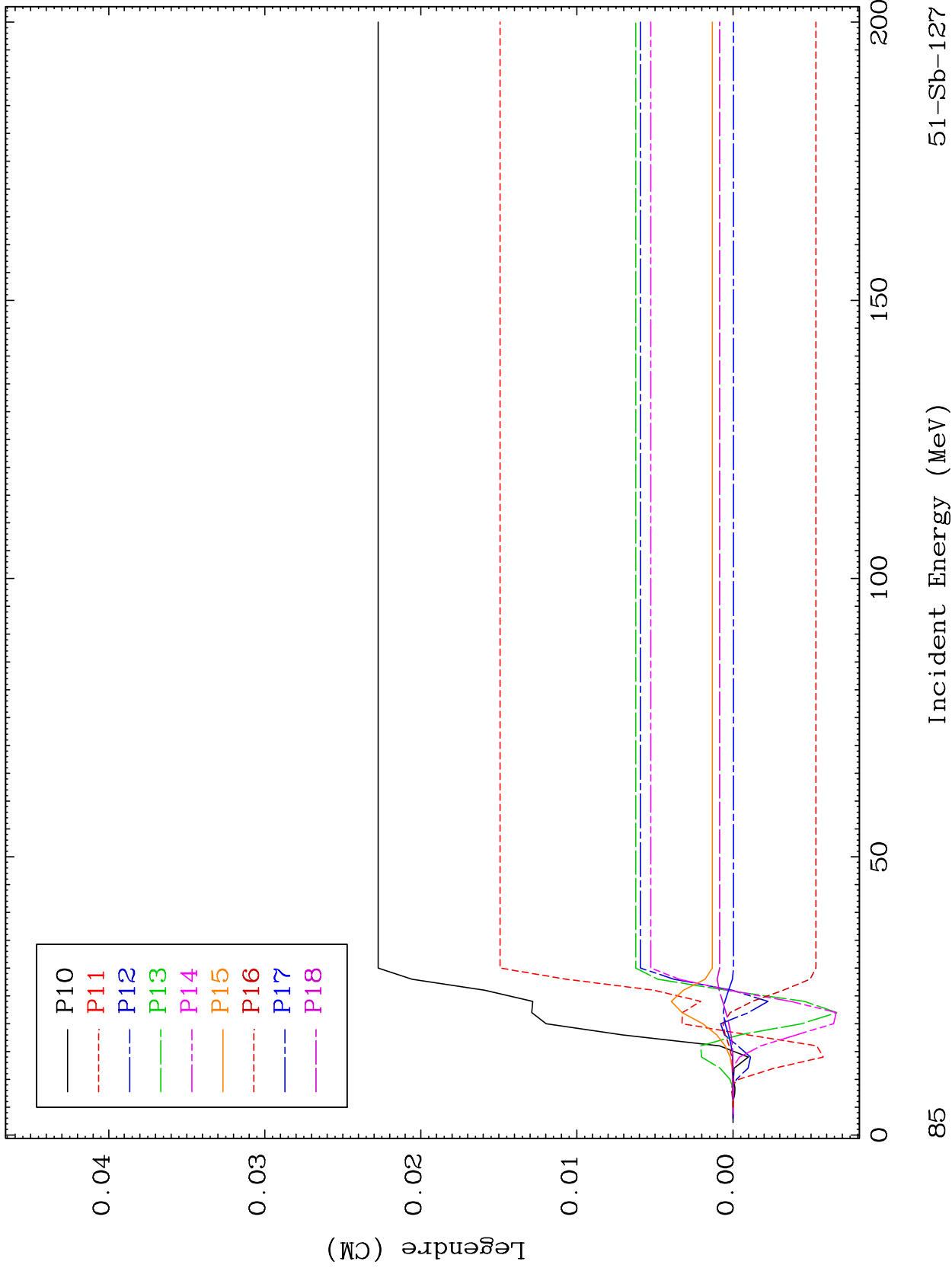
Incident Energy (MeV)

84

MAT 5143

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

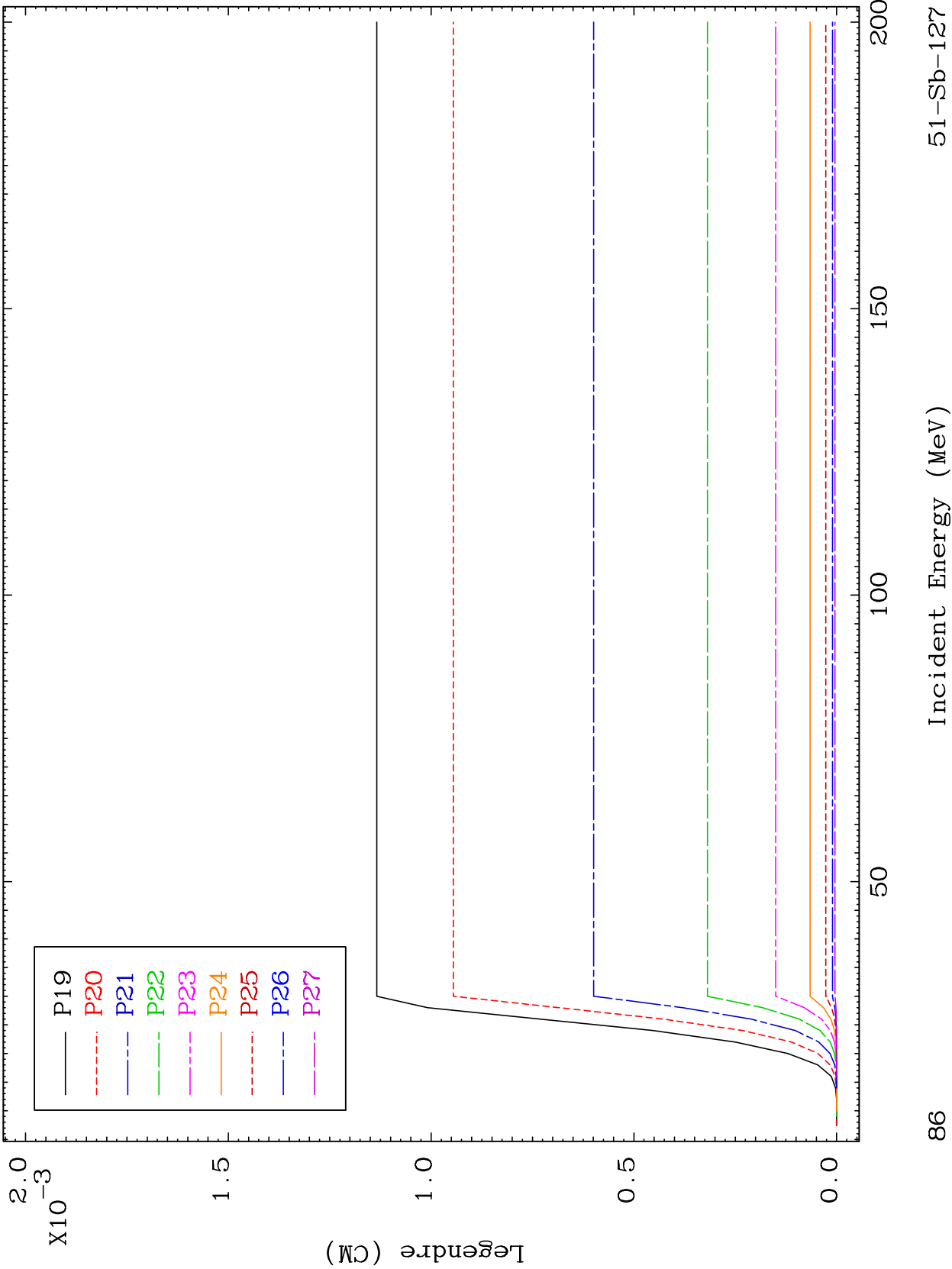
51-Sb-127



51-Sb-127

Incident Energy (MeV)

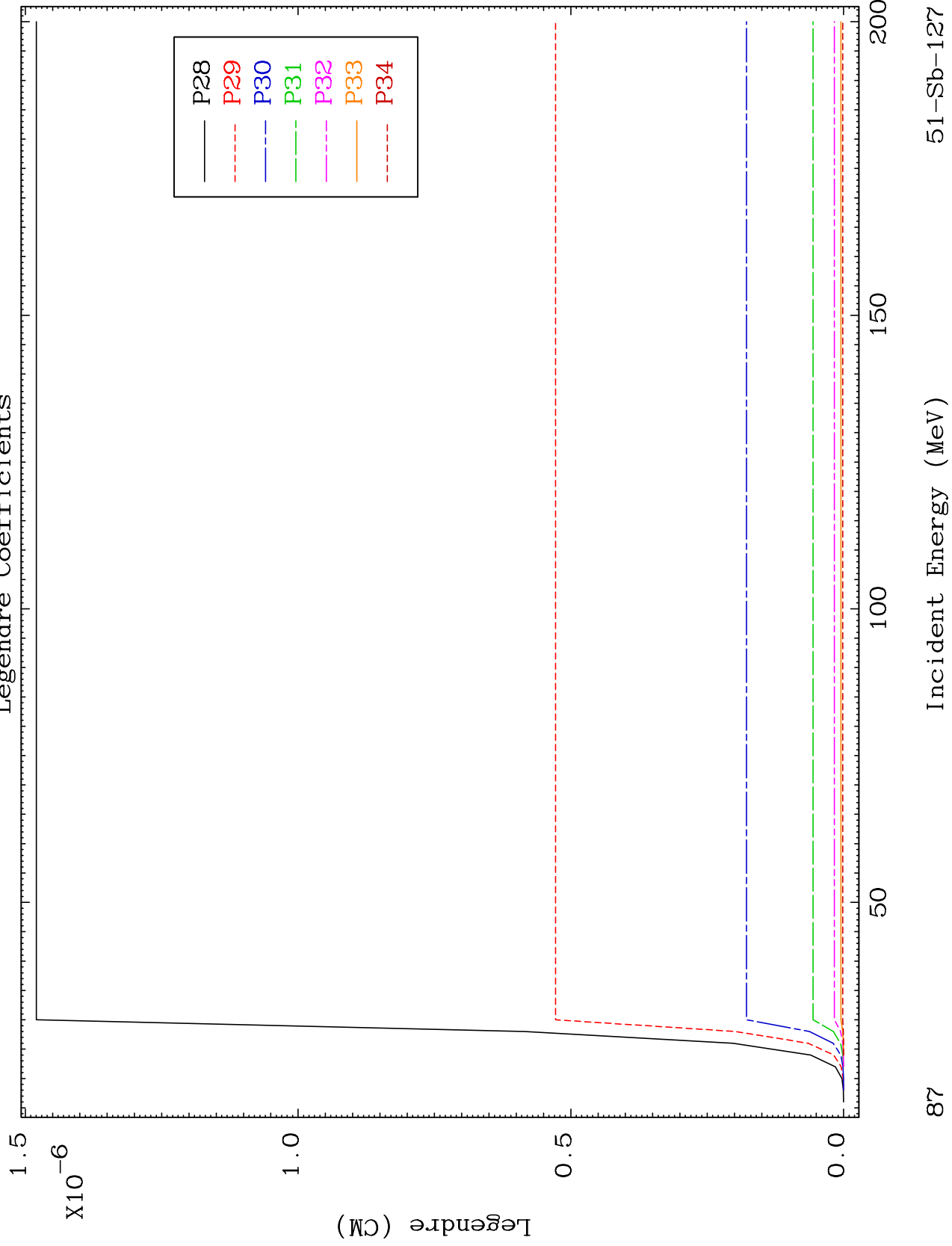
85



MAT 5143

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

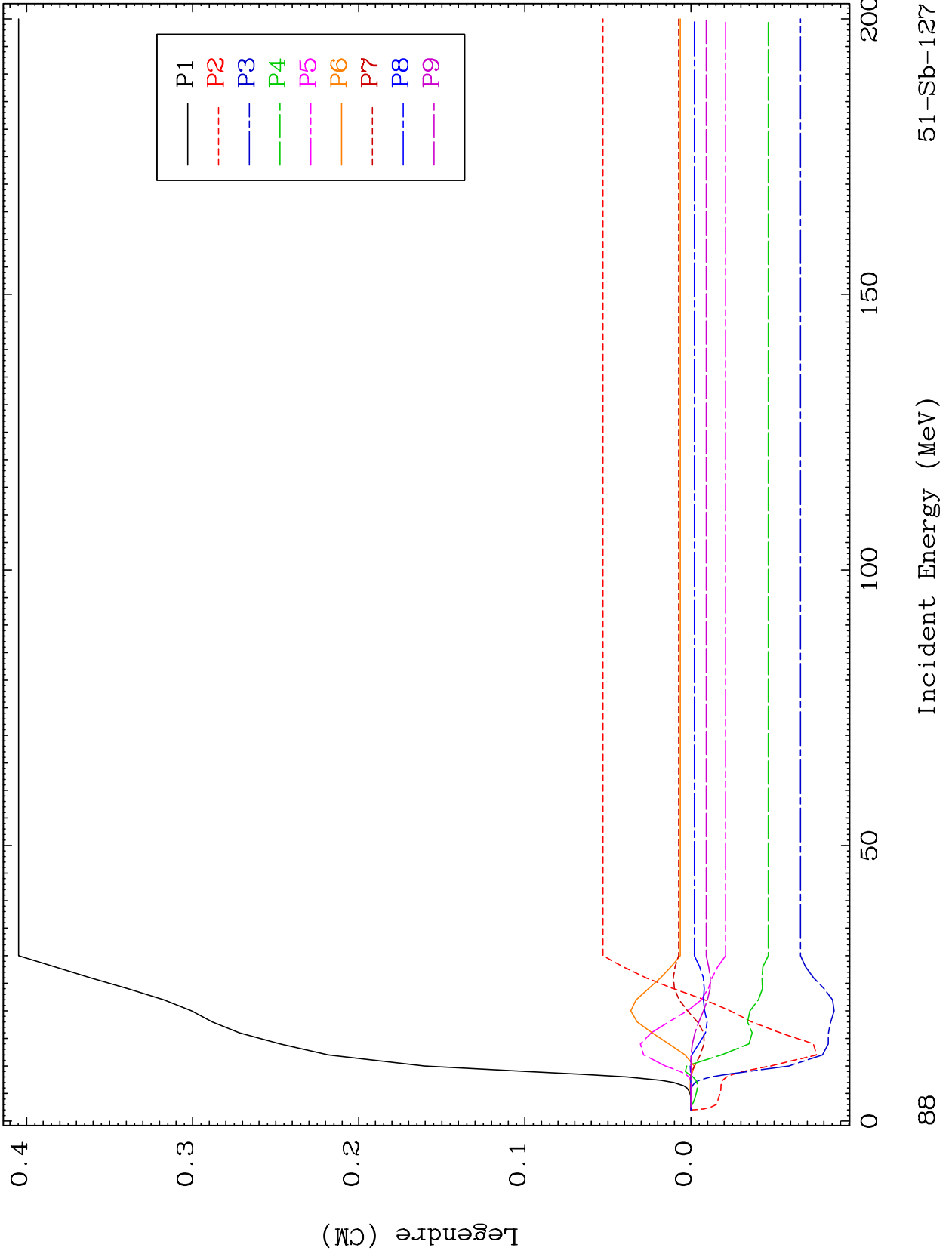
51-Sb-127



MAT 5143

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

51-Sb-127



51-Sb-127

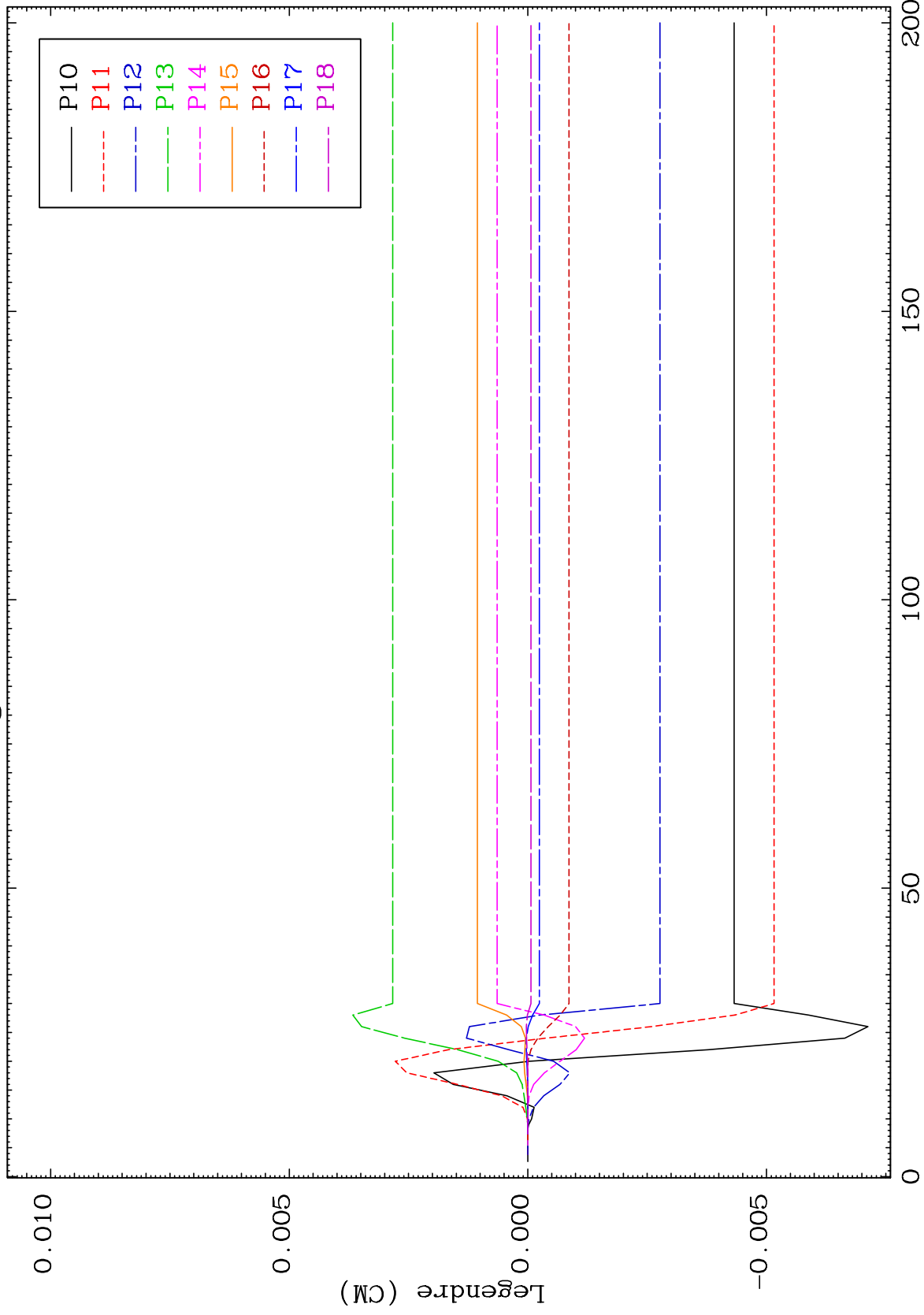
Incident Energy (MeV)

88

MAT 5143

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

51-Sb-127



89

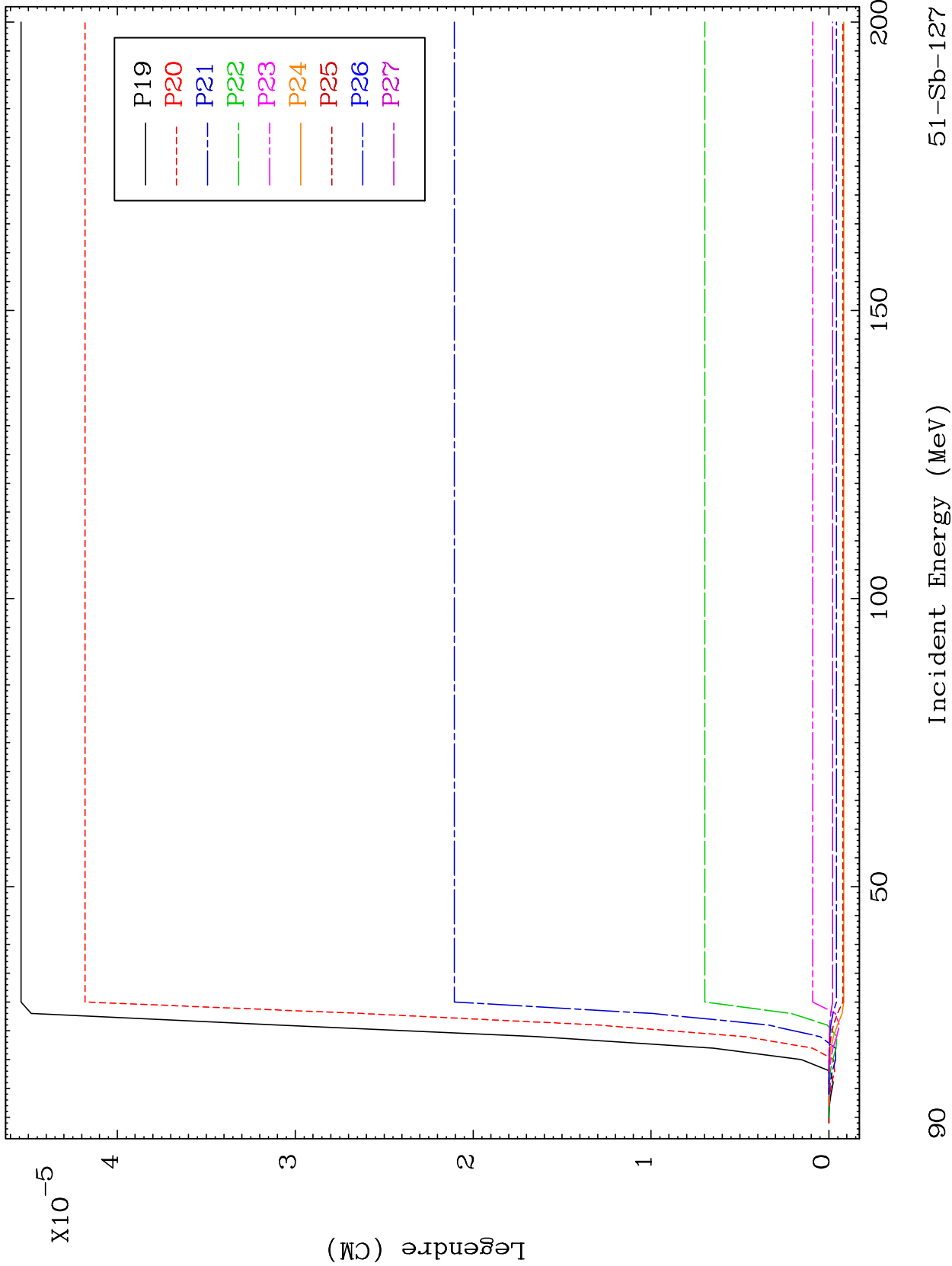
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127

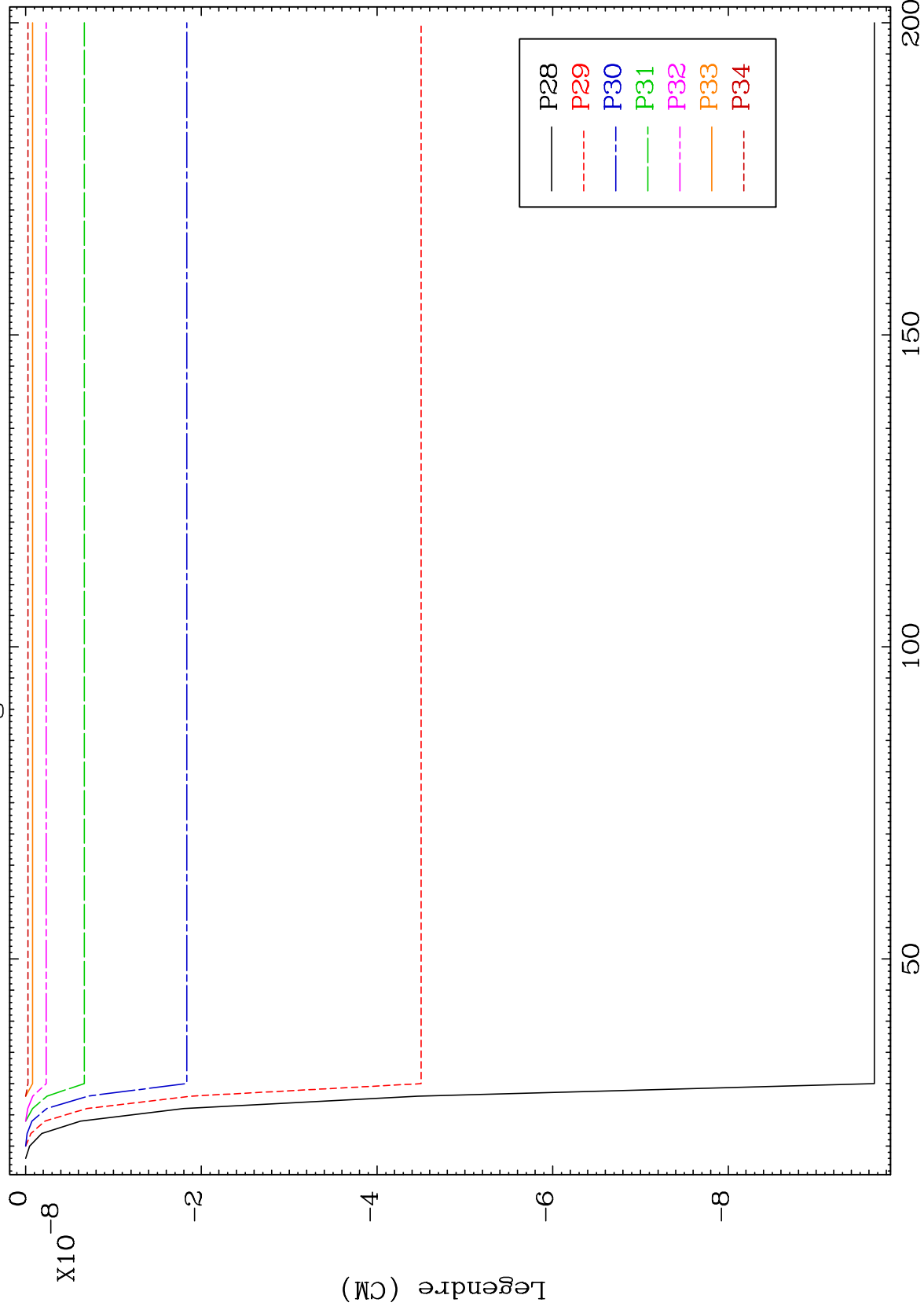


MAT 5143

MT= 68 (n,n') Level

51-Sb-127

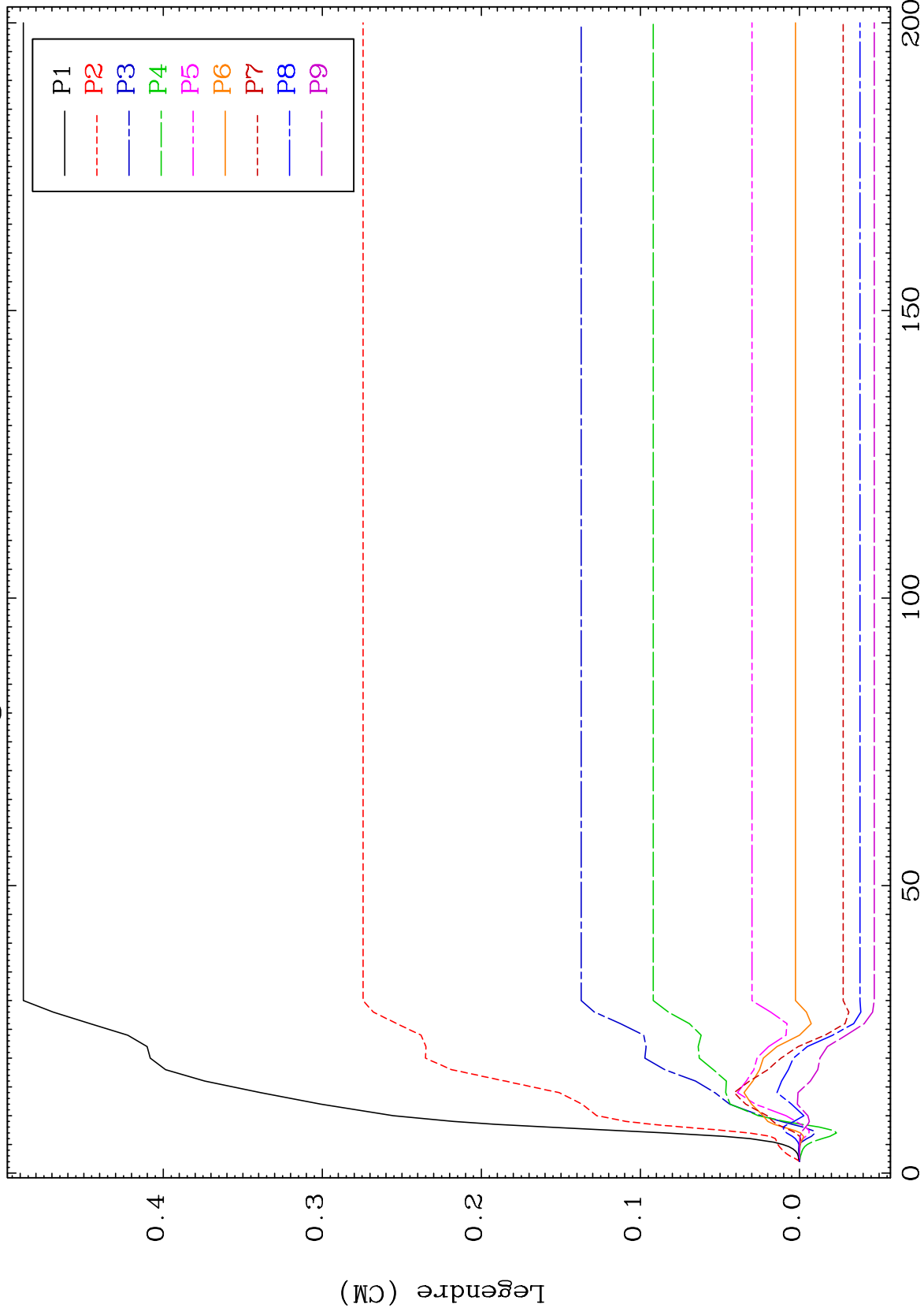
Legendre Coefficients



MAT 5143

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

51-Sb-127



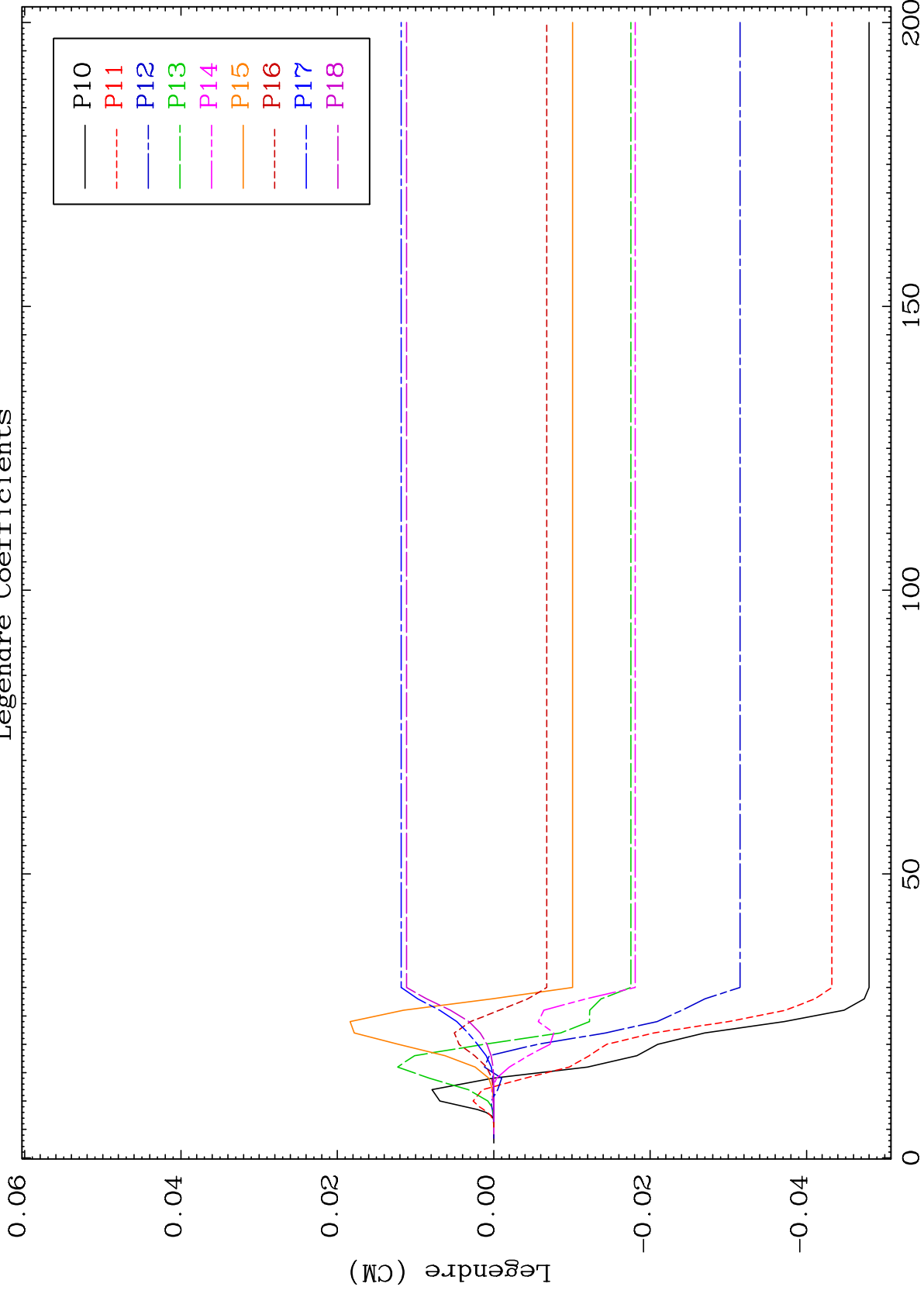
92

51-Sb-127

MAT 5143

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

51-Sb-127



93

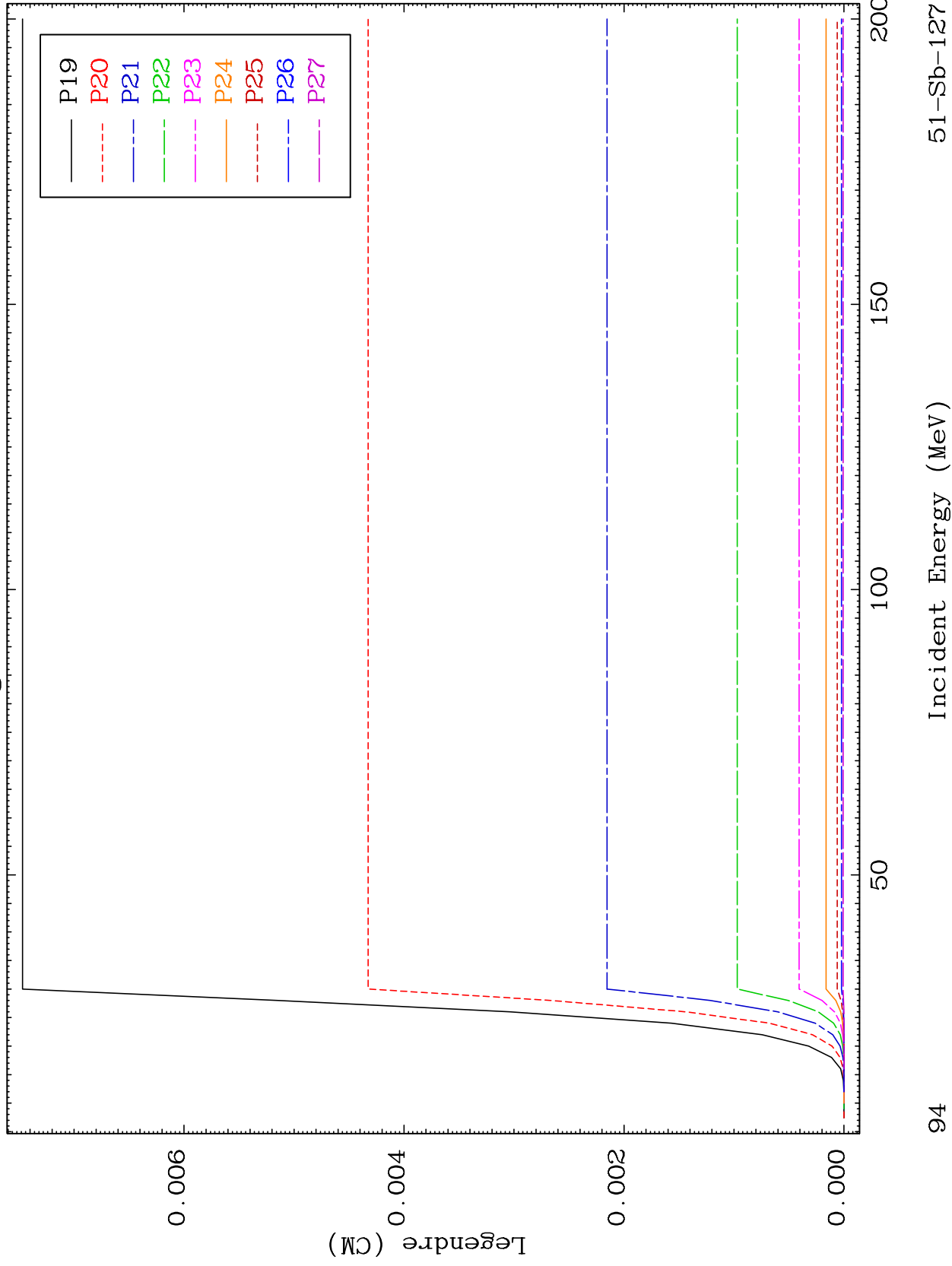
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



94

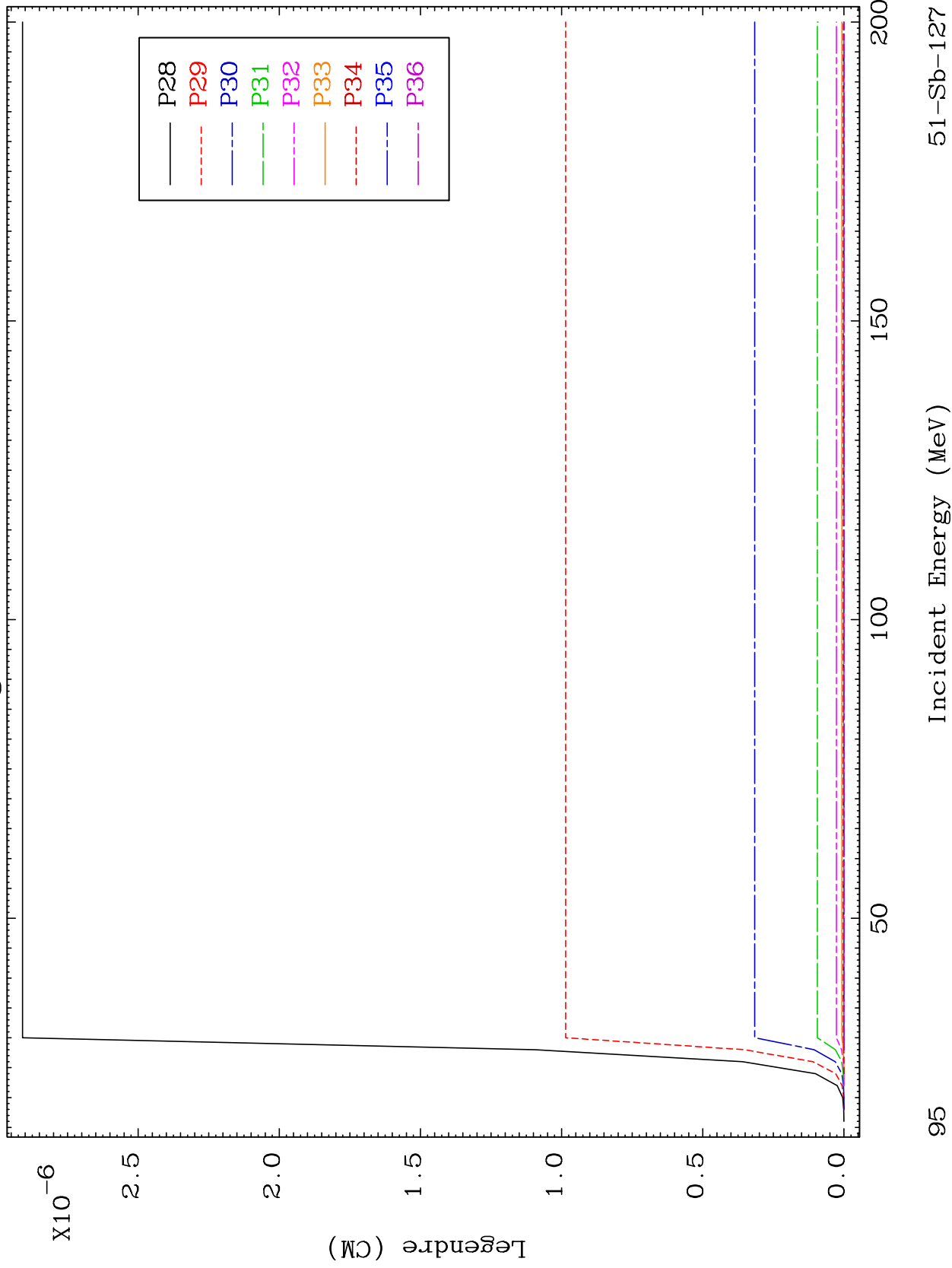
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



95

Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



96

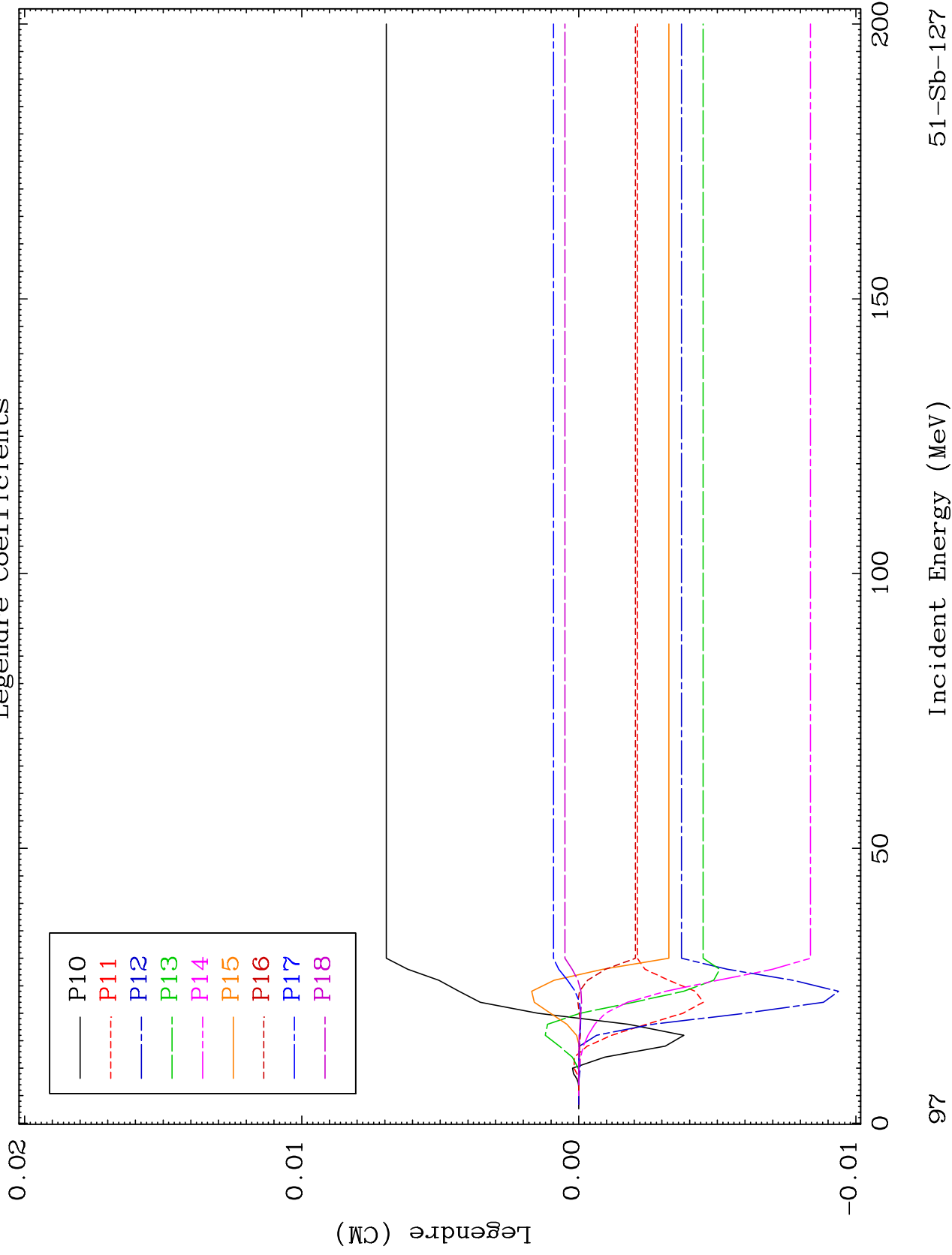
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

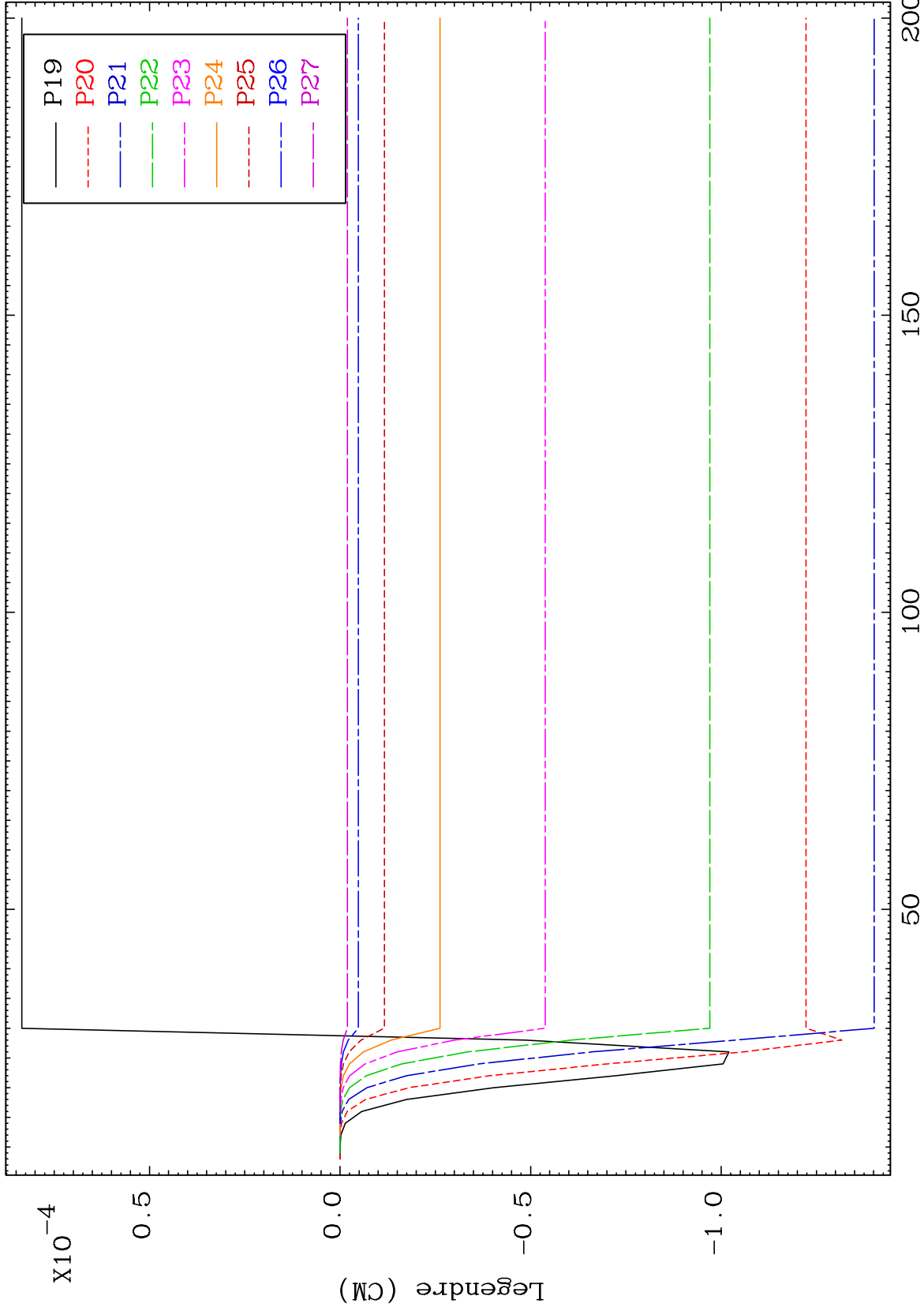
51-Sb-127



97

Incident Energy (MeV)

51-Sb-127

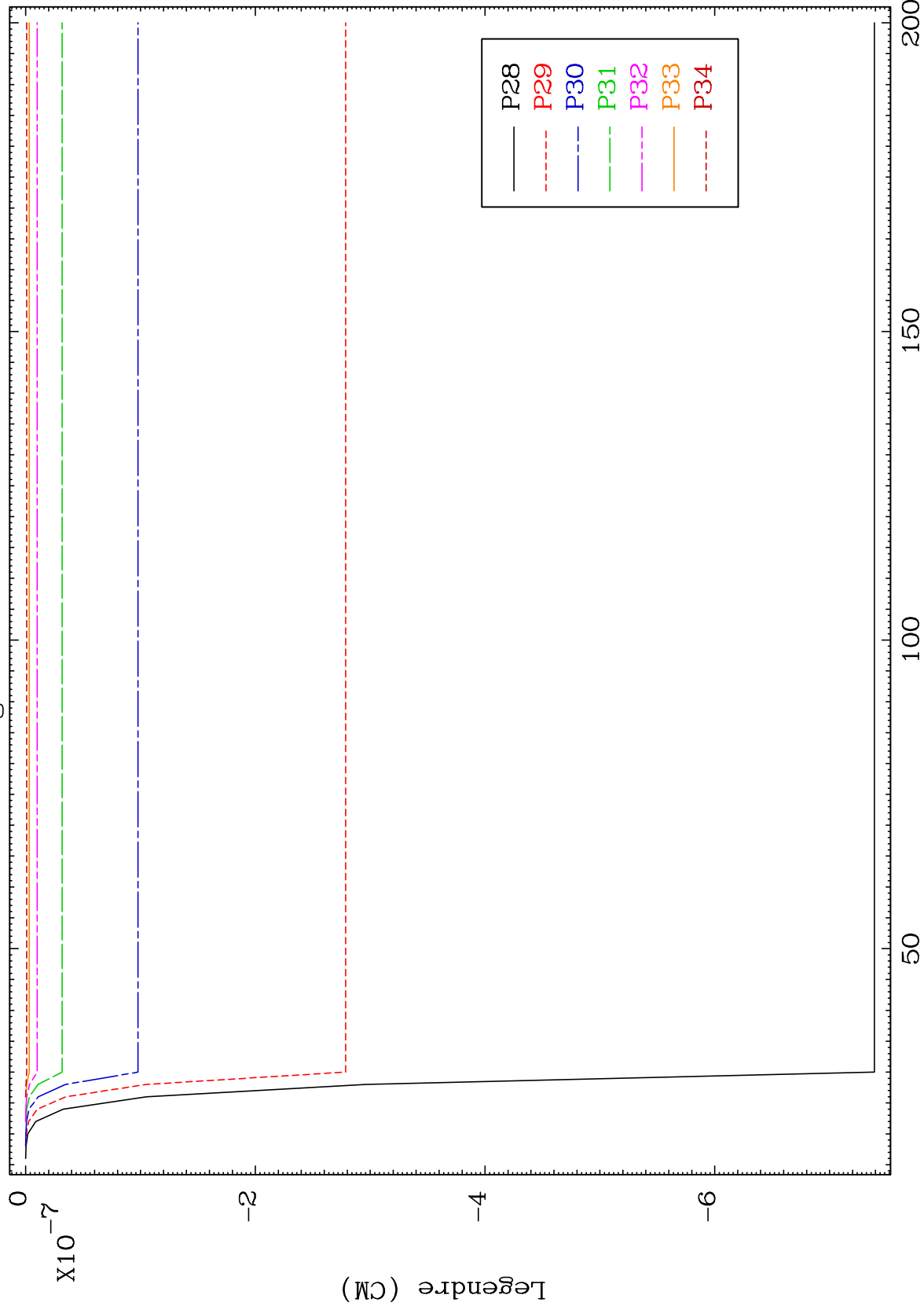


MAT 5143

MT= 70 (n,n') Level

51-Sb-127

Legendre Coefficients



99

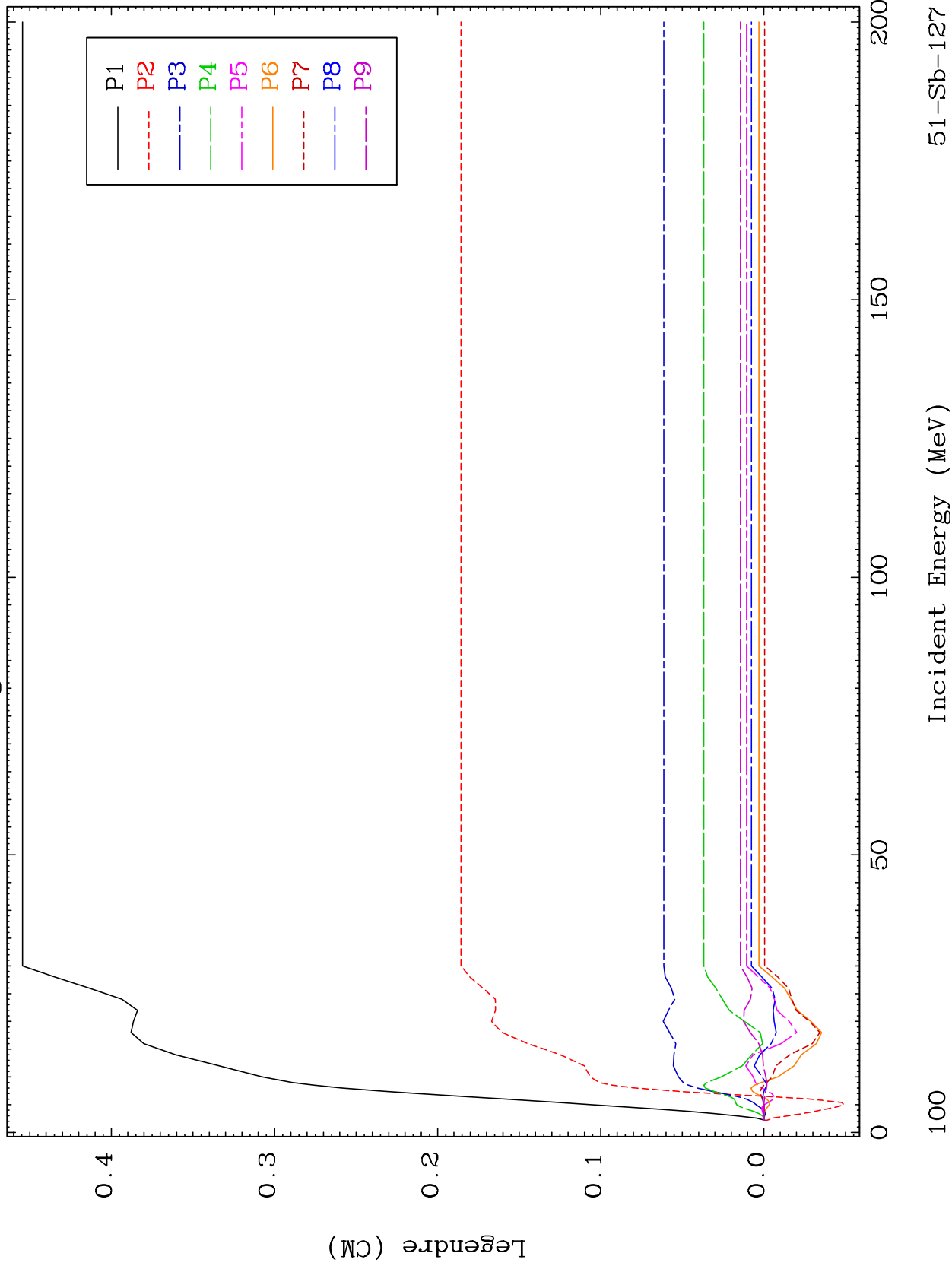
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



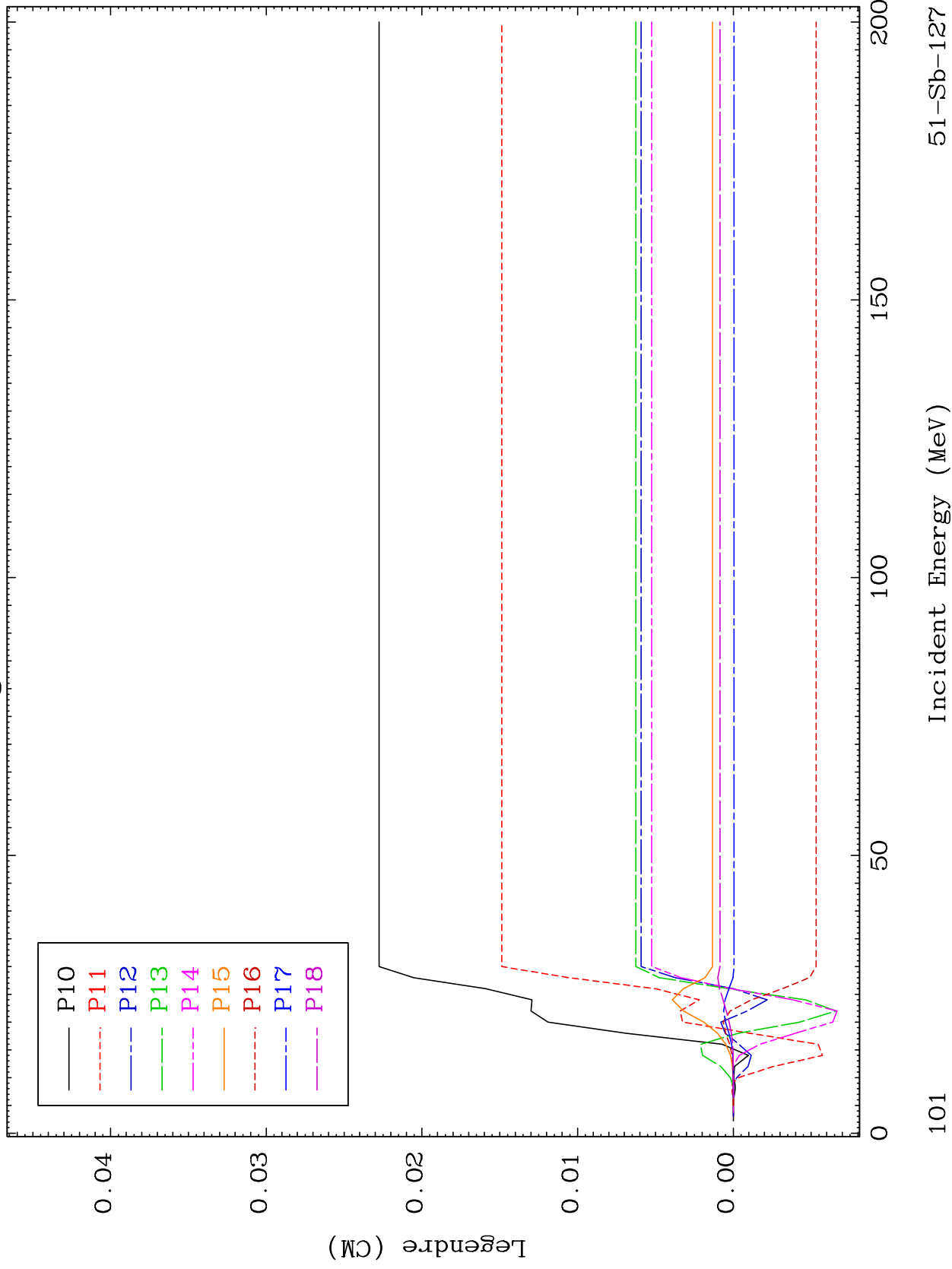
51-Sb-127

Incident Energy (MeV)

MAT 5143

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

51-Sb-127



51-Sb-127

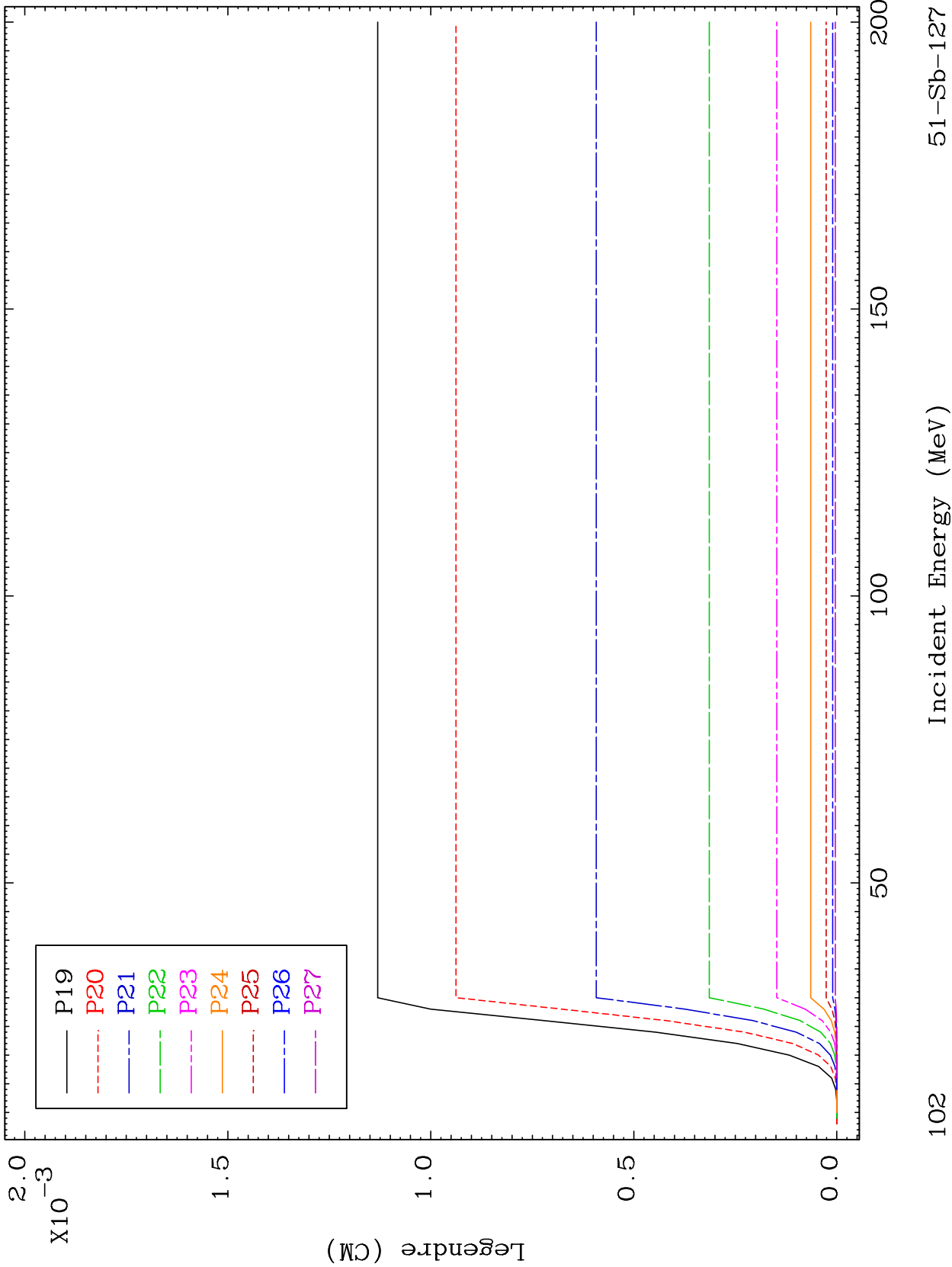
Incident Energy (MeV)

101

MAT 5143

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

51-Sb-127



102

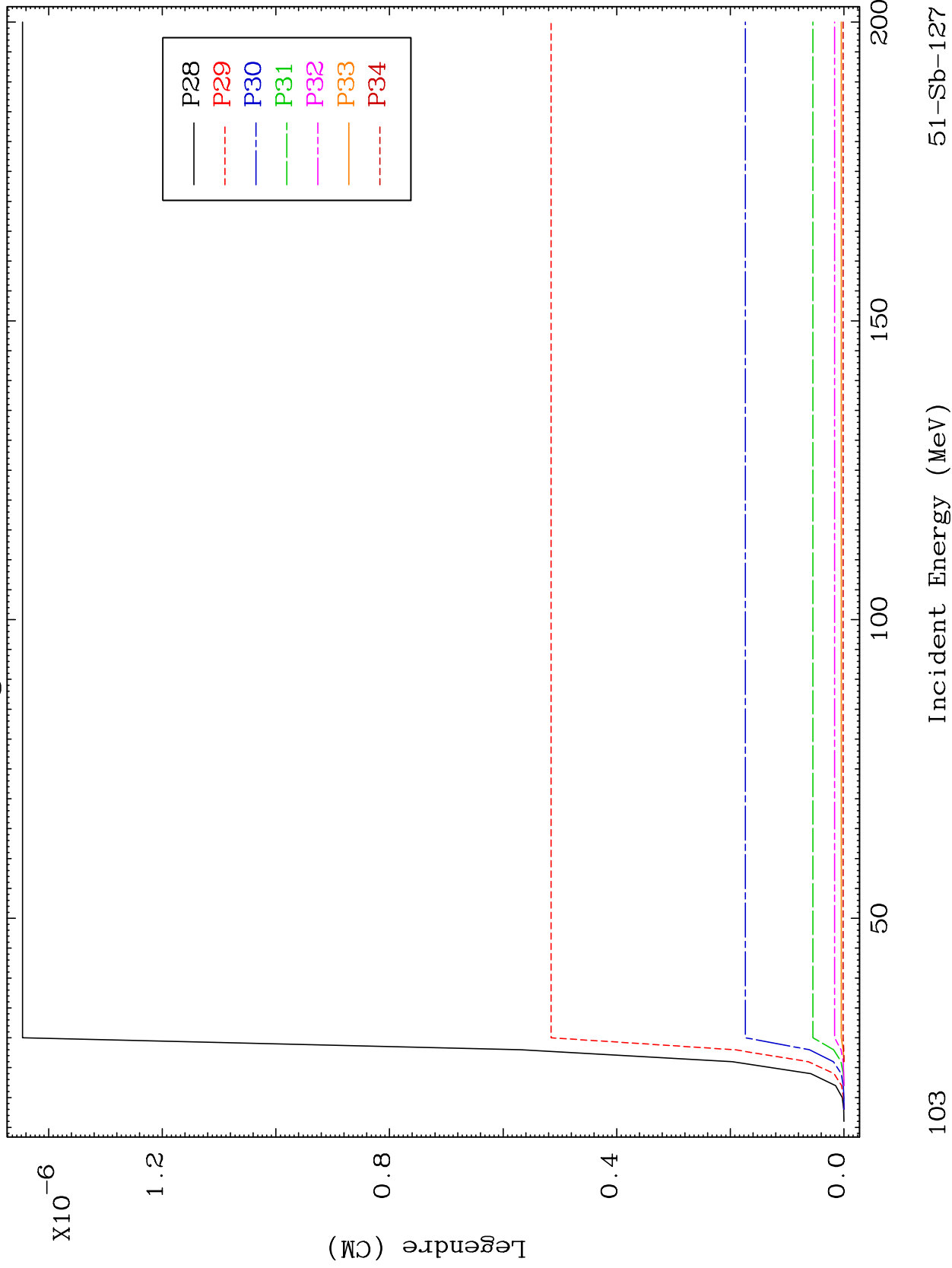
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



103

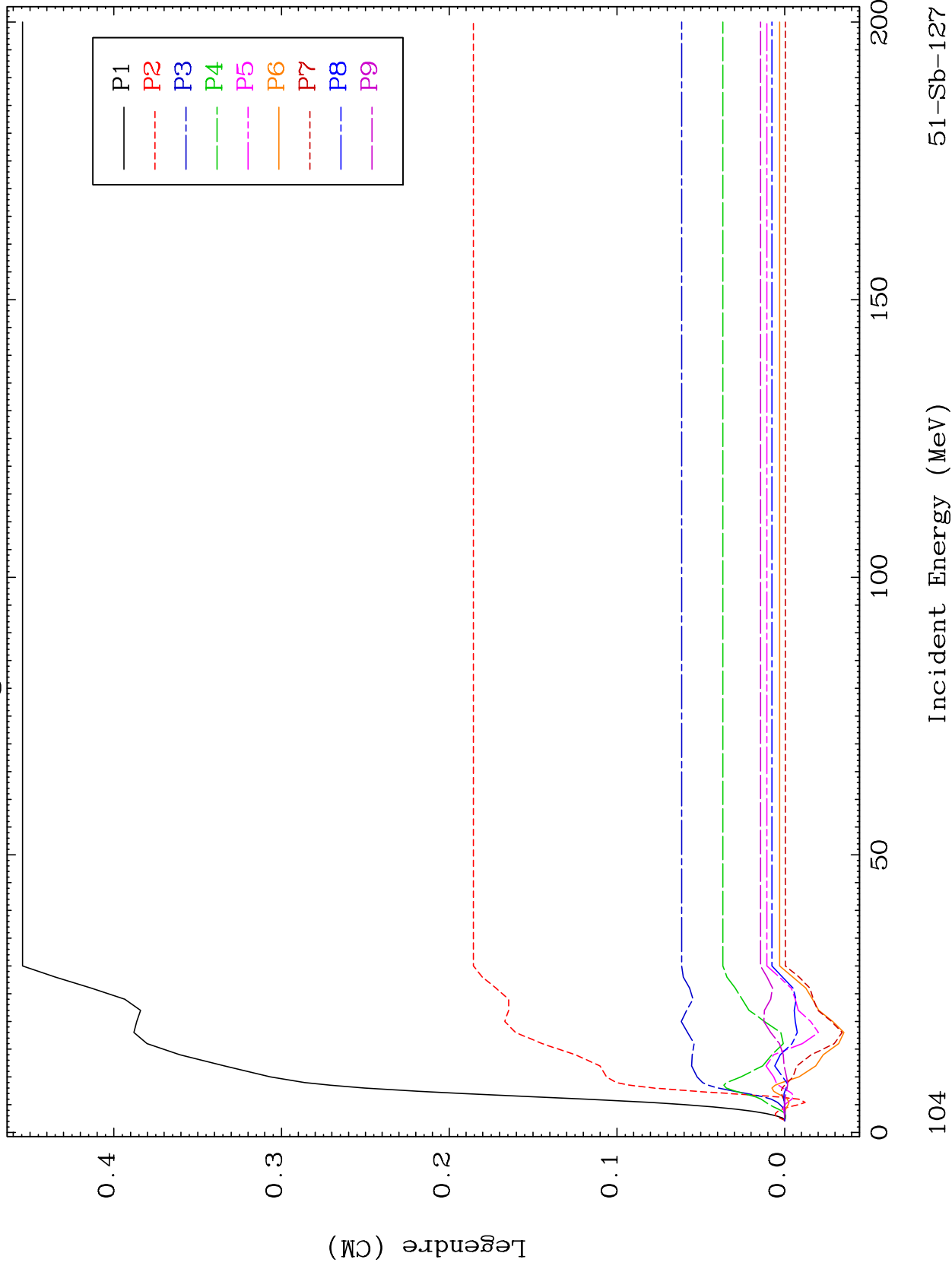
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

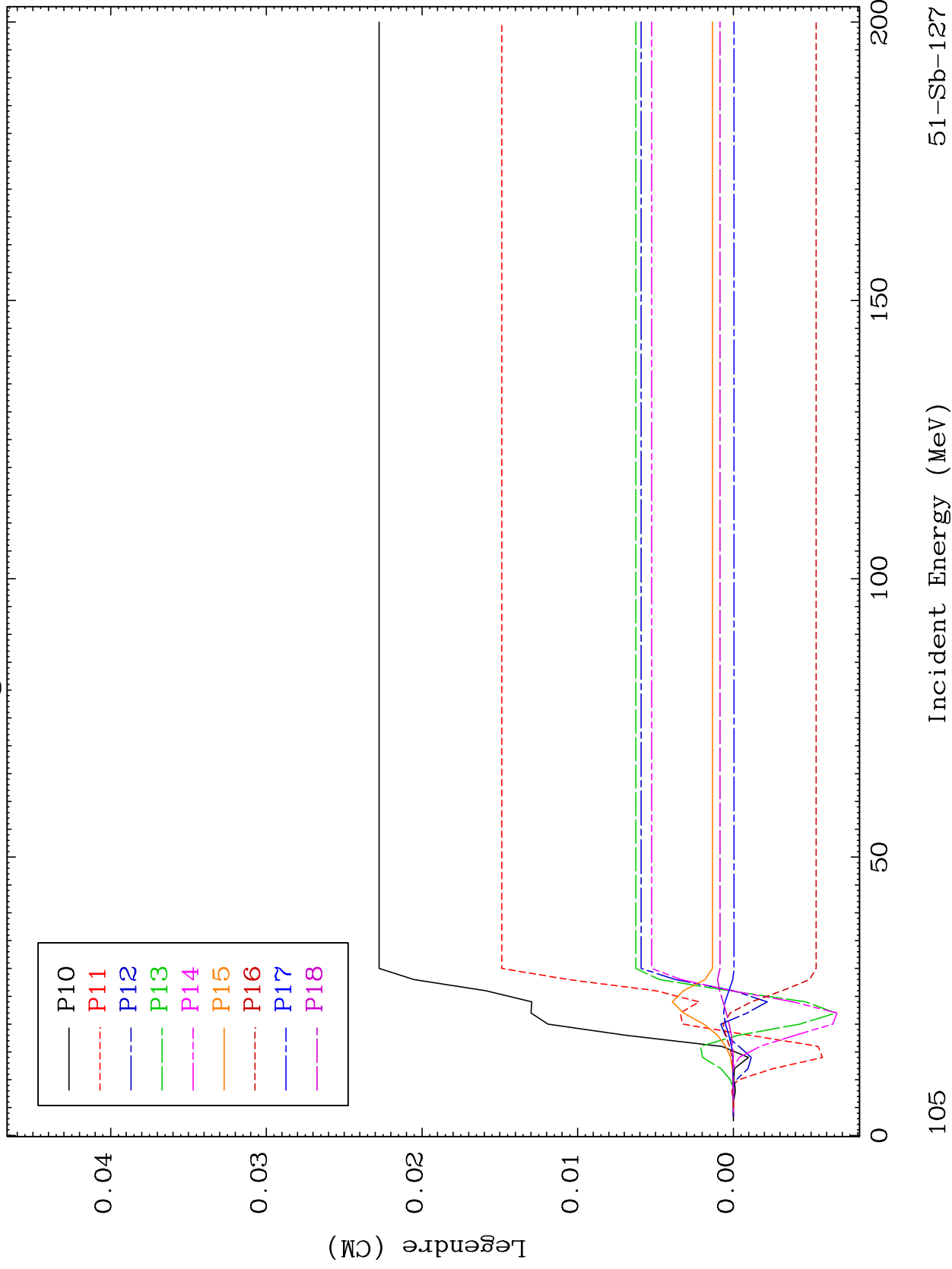
Incident Energy (MeV)

104

MAT 5143

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

51-Sb-127



51-Sb-127

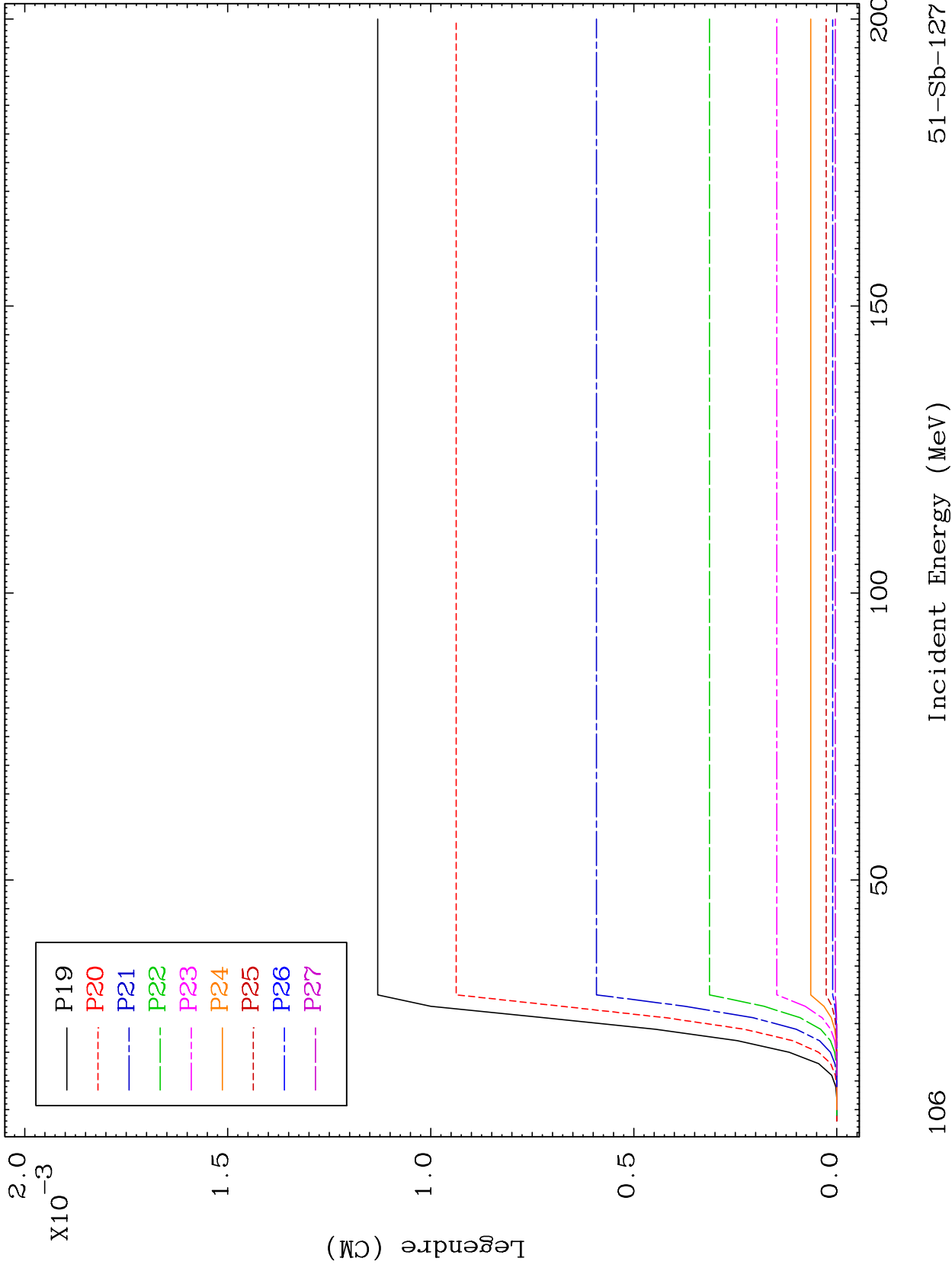
Incident Energy (MeV)

105

MAT 5143

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

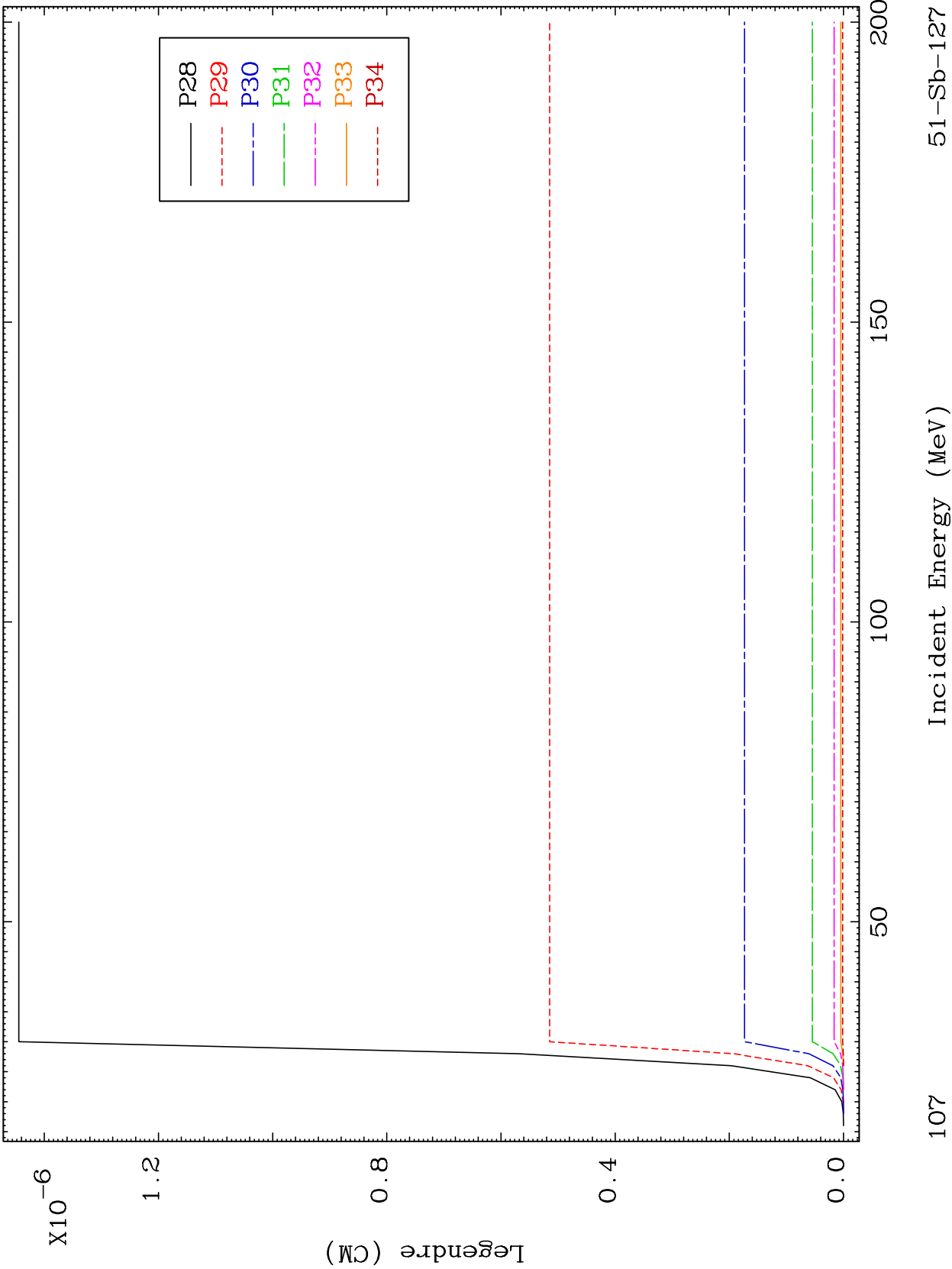
51-Sb-127



MAT 5143

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

51-Sb-127

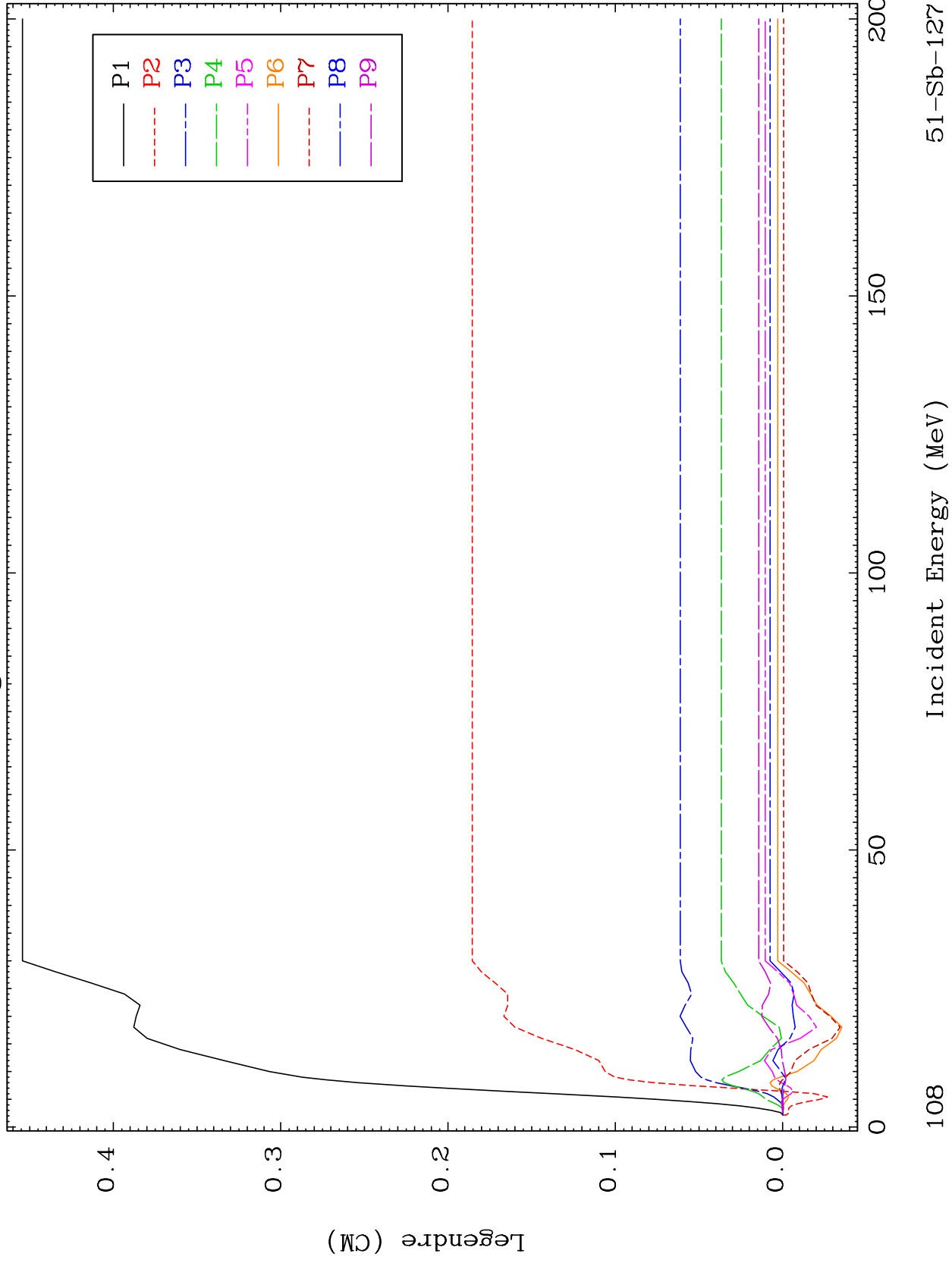


107

MAT 5143

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

51-Sb-127



51-Sb-127

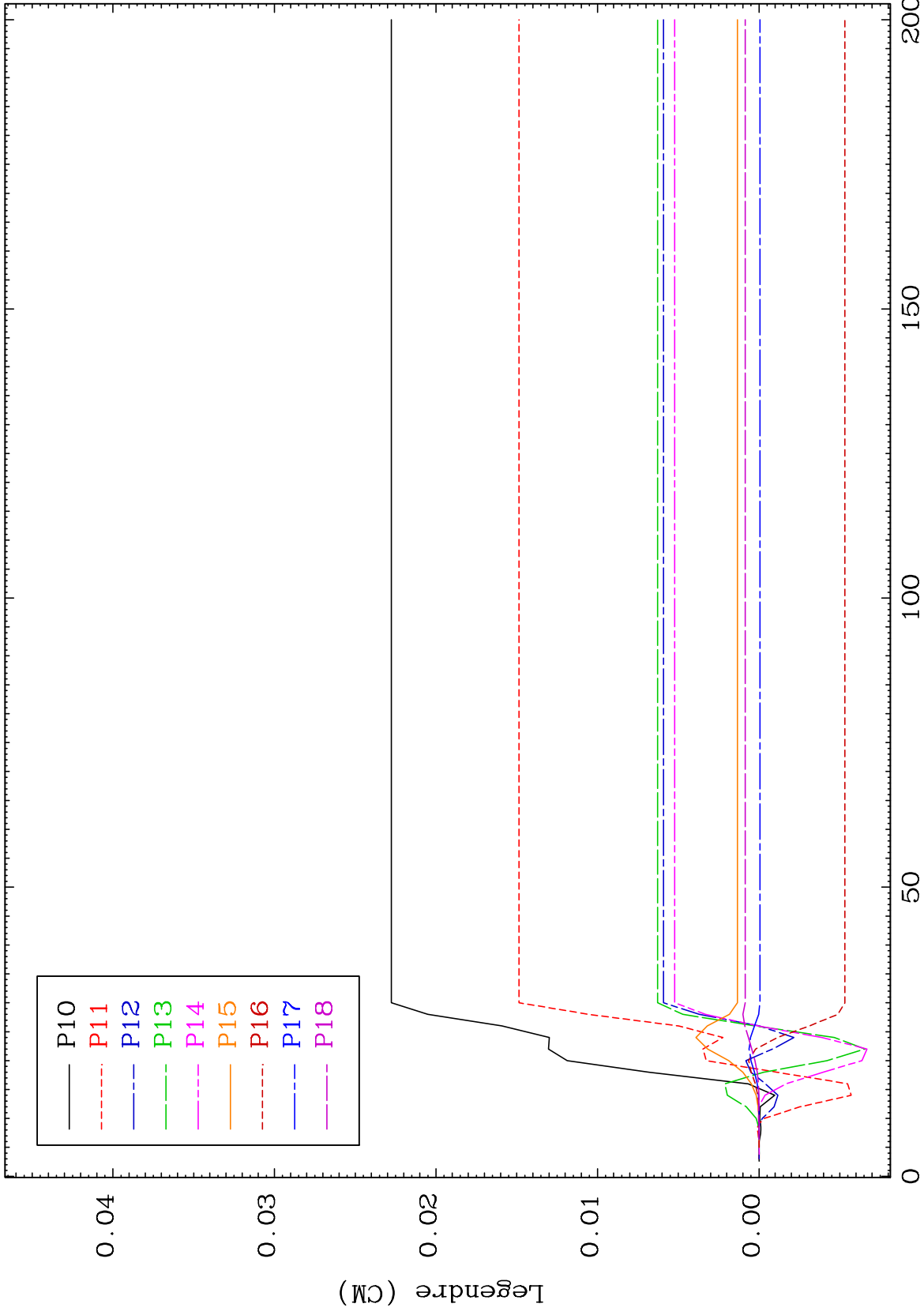
Incident Energy (MeV)

108

MAT 5143

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

51-Sb-127



109

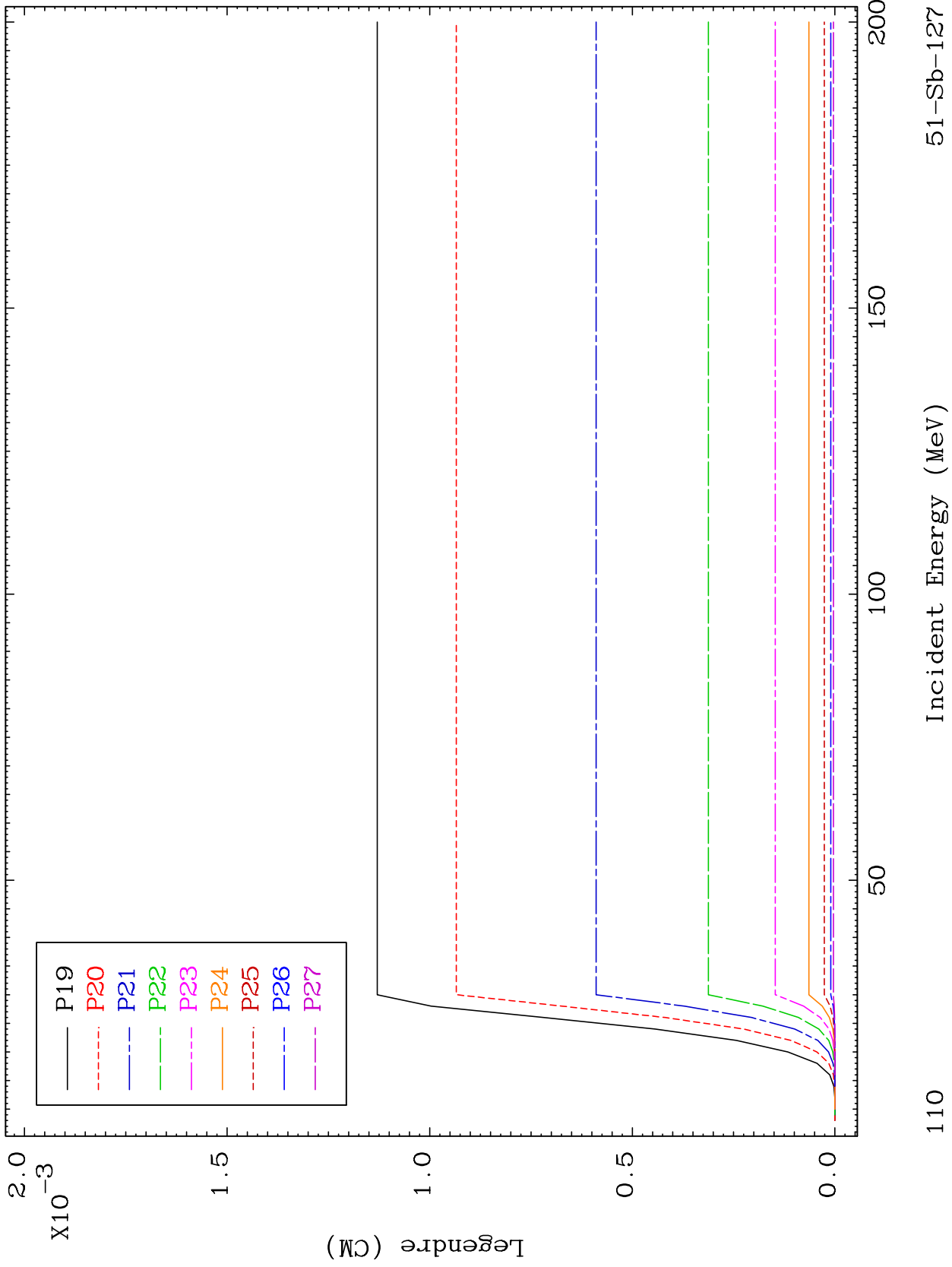
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

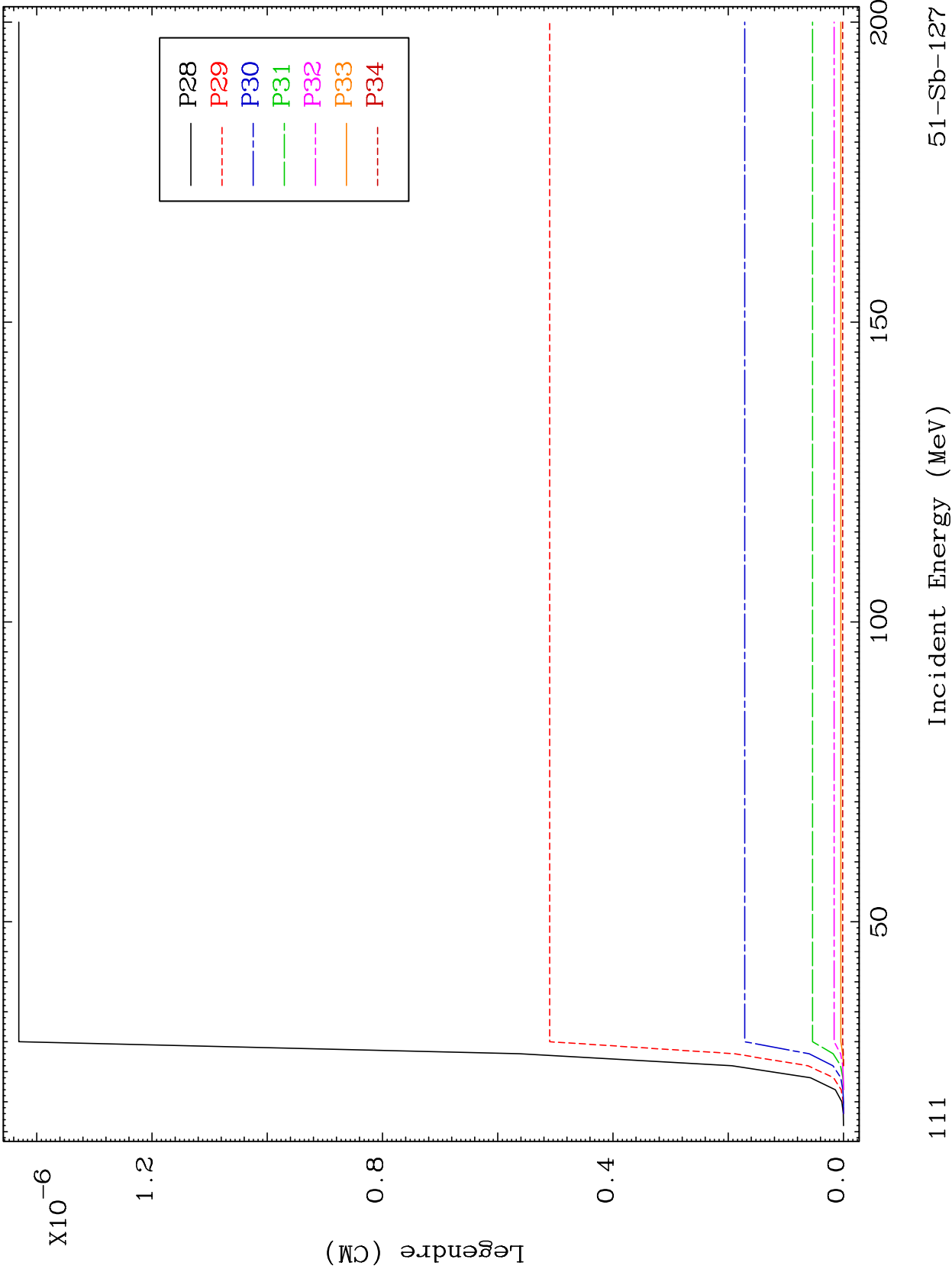
51-Sb-127



MAT 5143

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

51-Sb-127



111

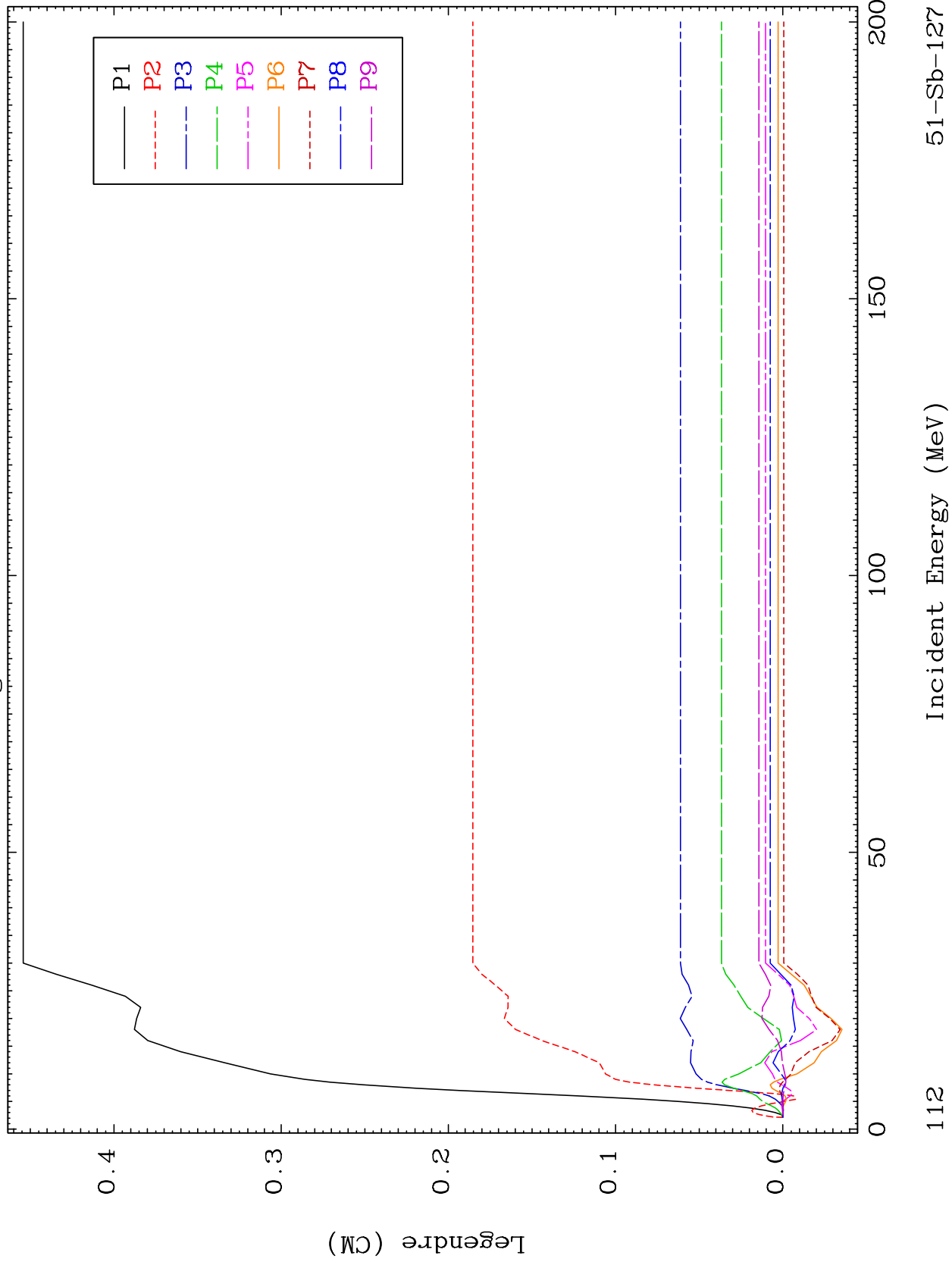
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

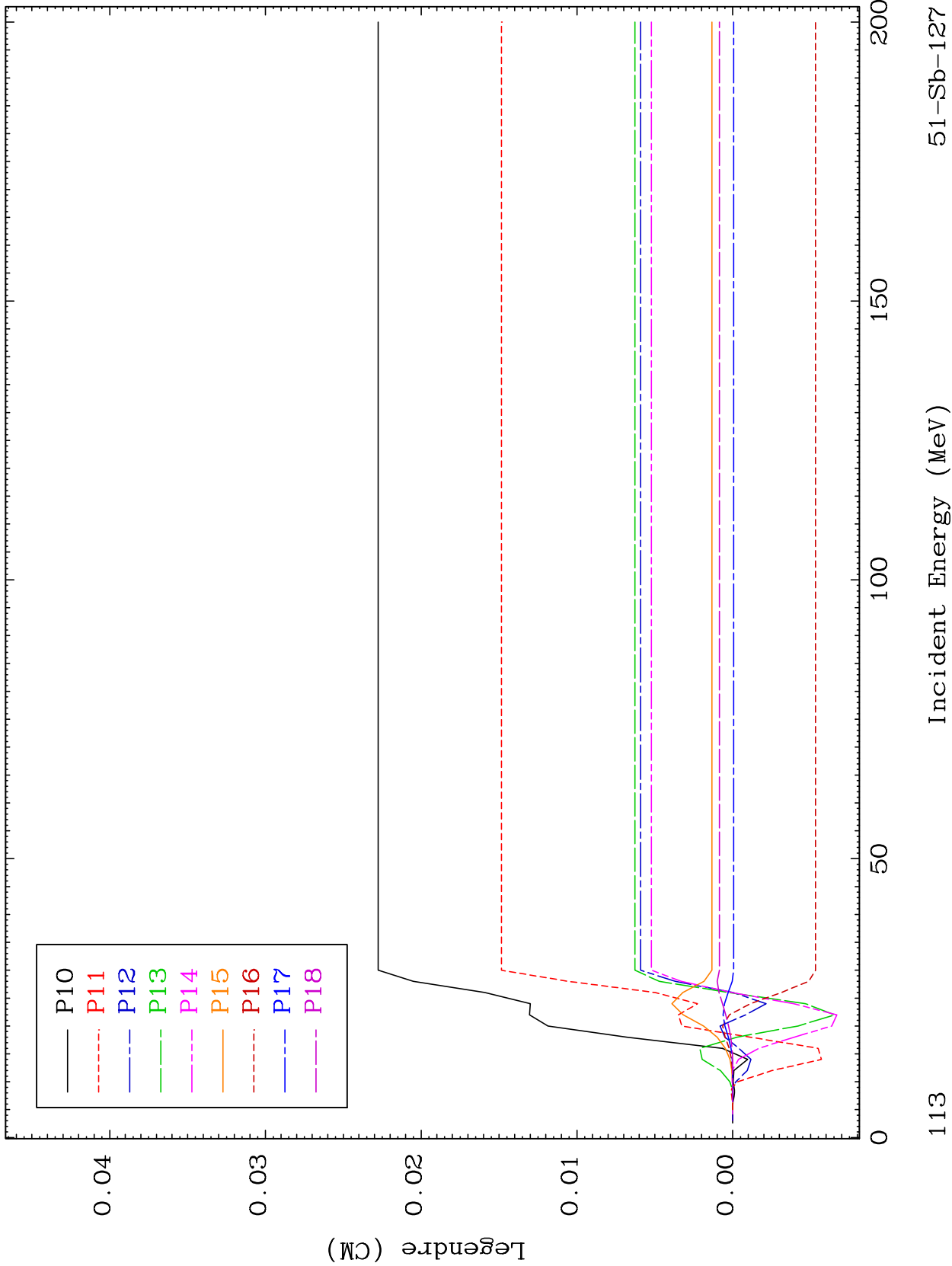
Incident Energy (MeV)

112

MAT 5143

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

51-Sb-127



113

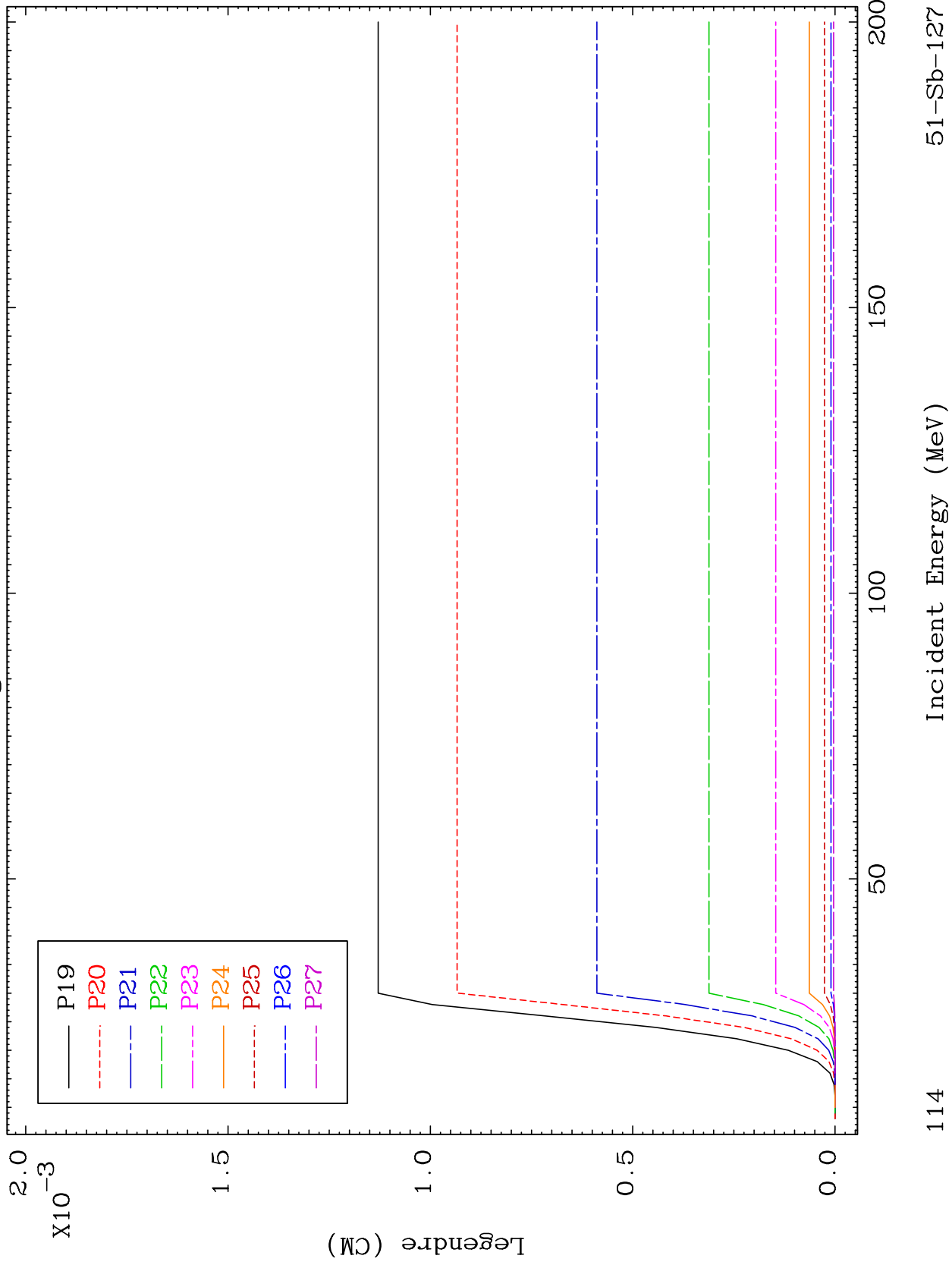
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



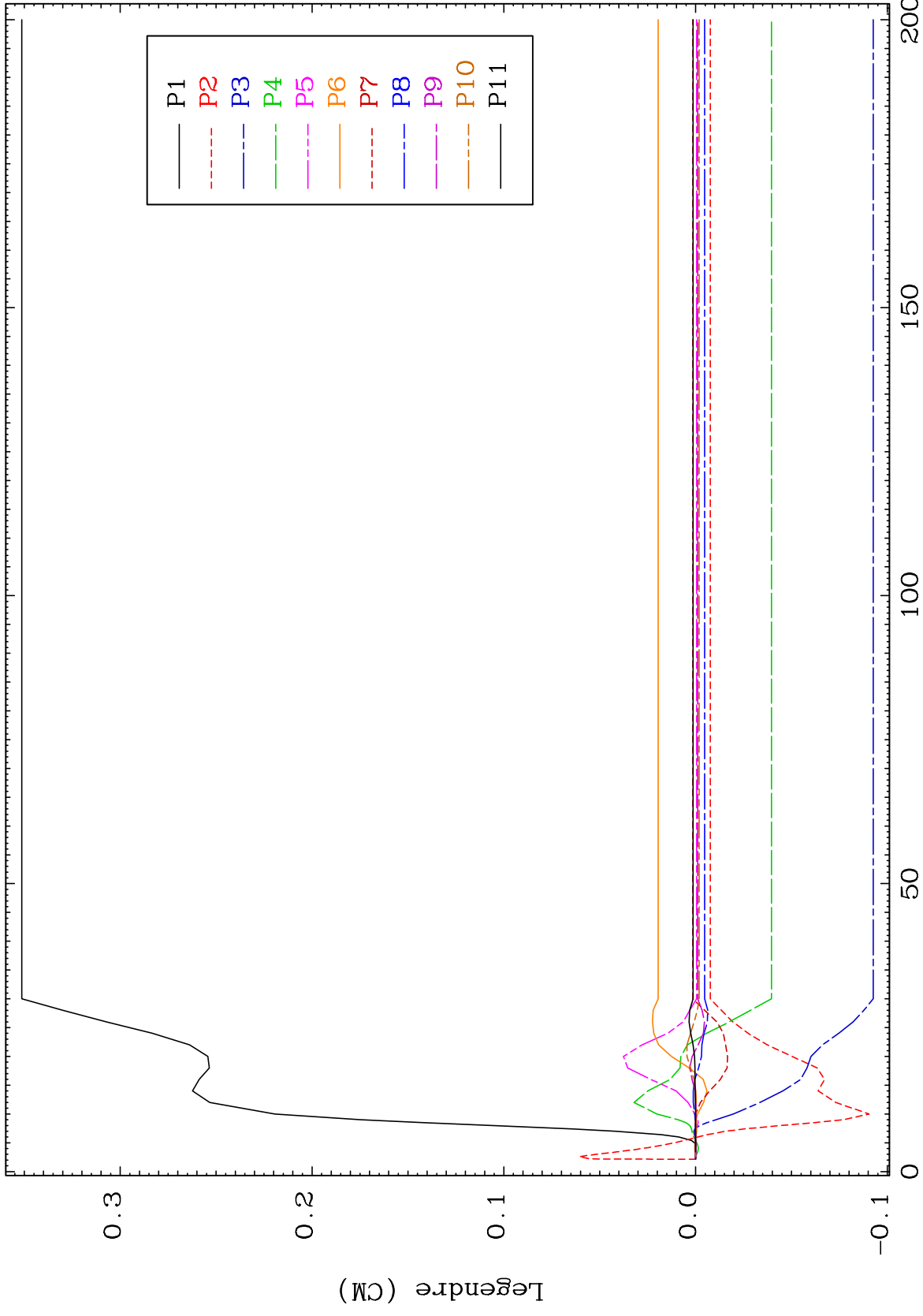
114

51-Sb-127

MAT 5143

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

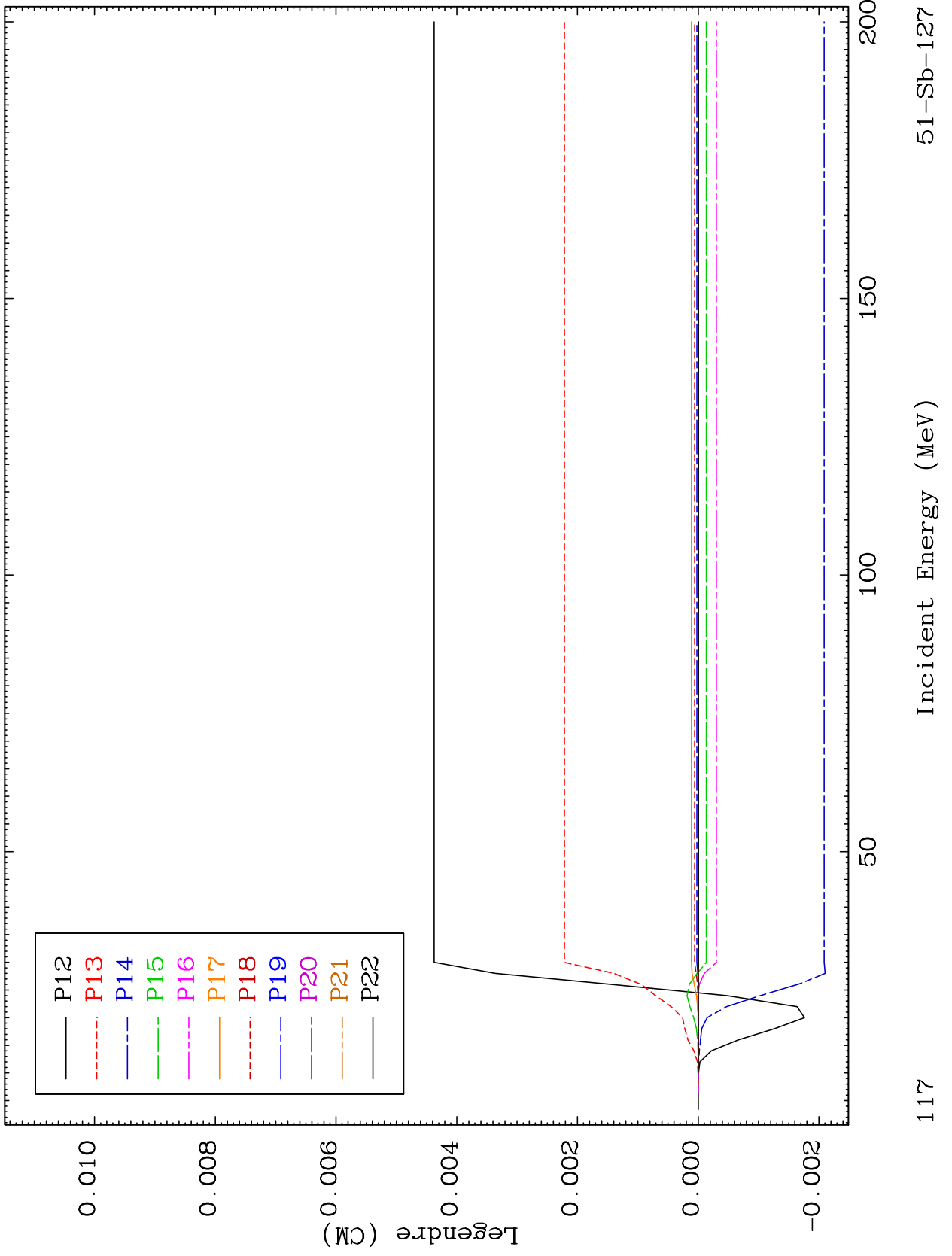
51-Sb-127



116

Incident Energy (MeV)

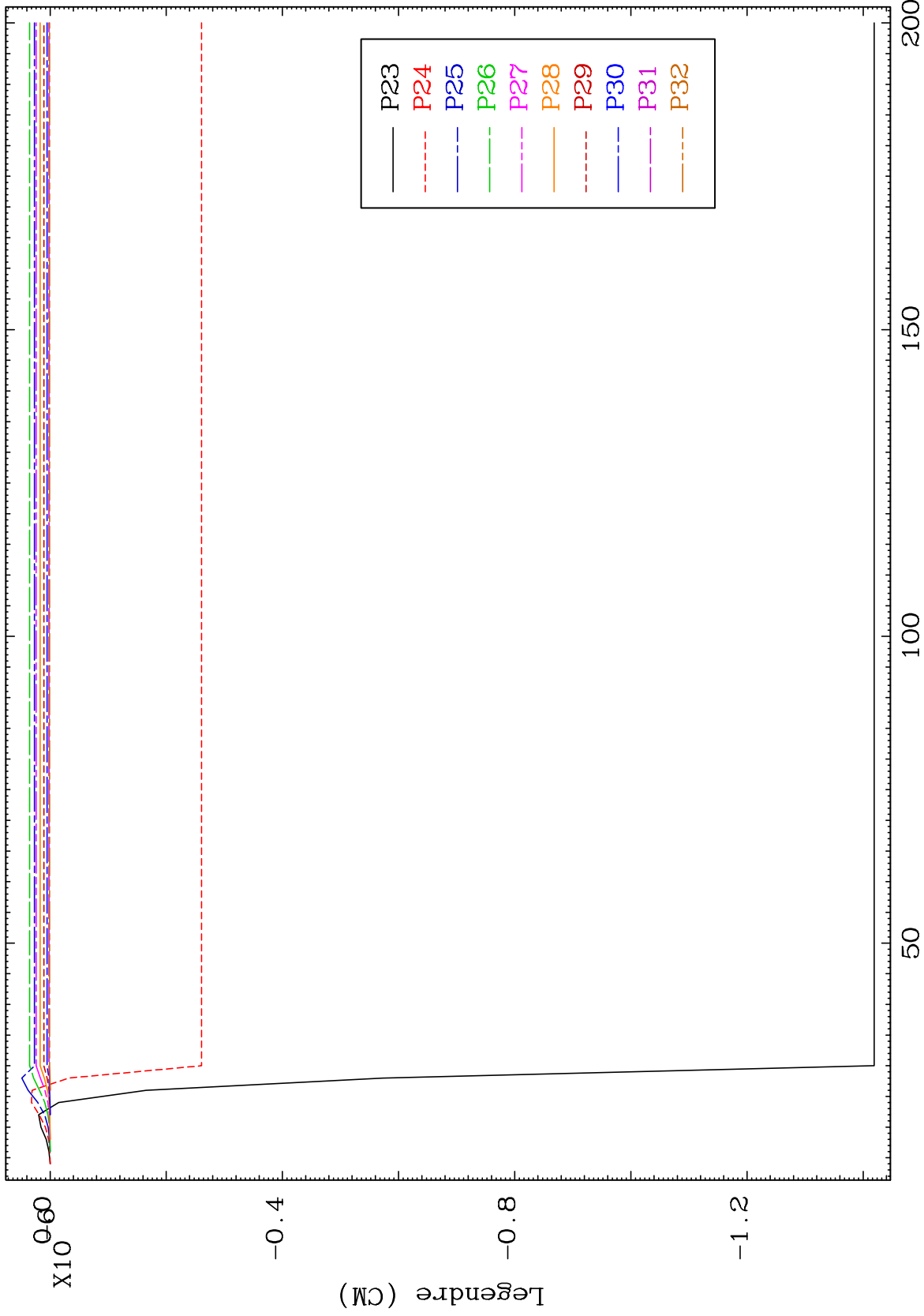
51-Sb-127



MAT 5143

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

51-Sb-127



118

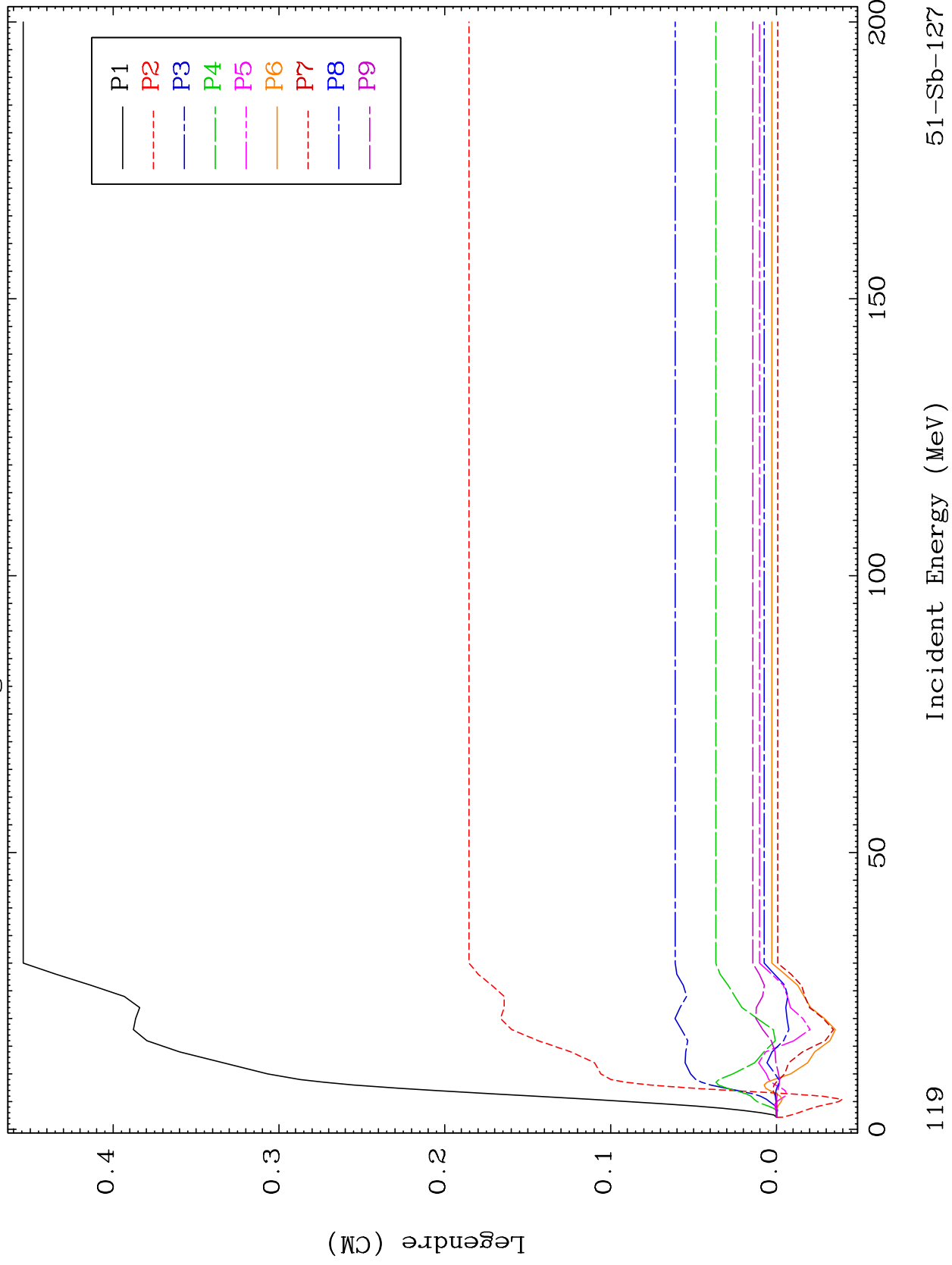
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

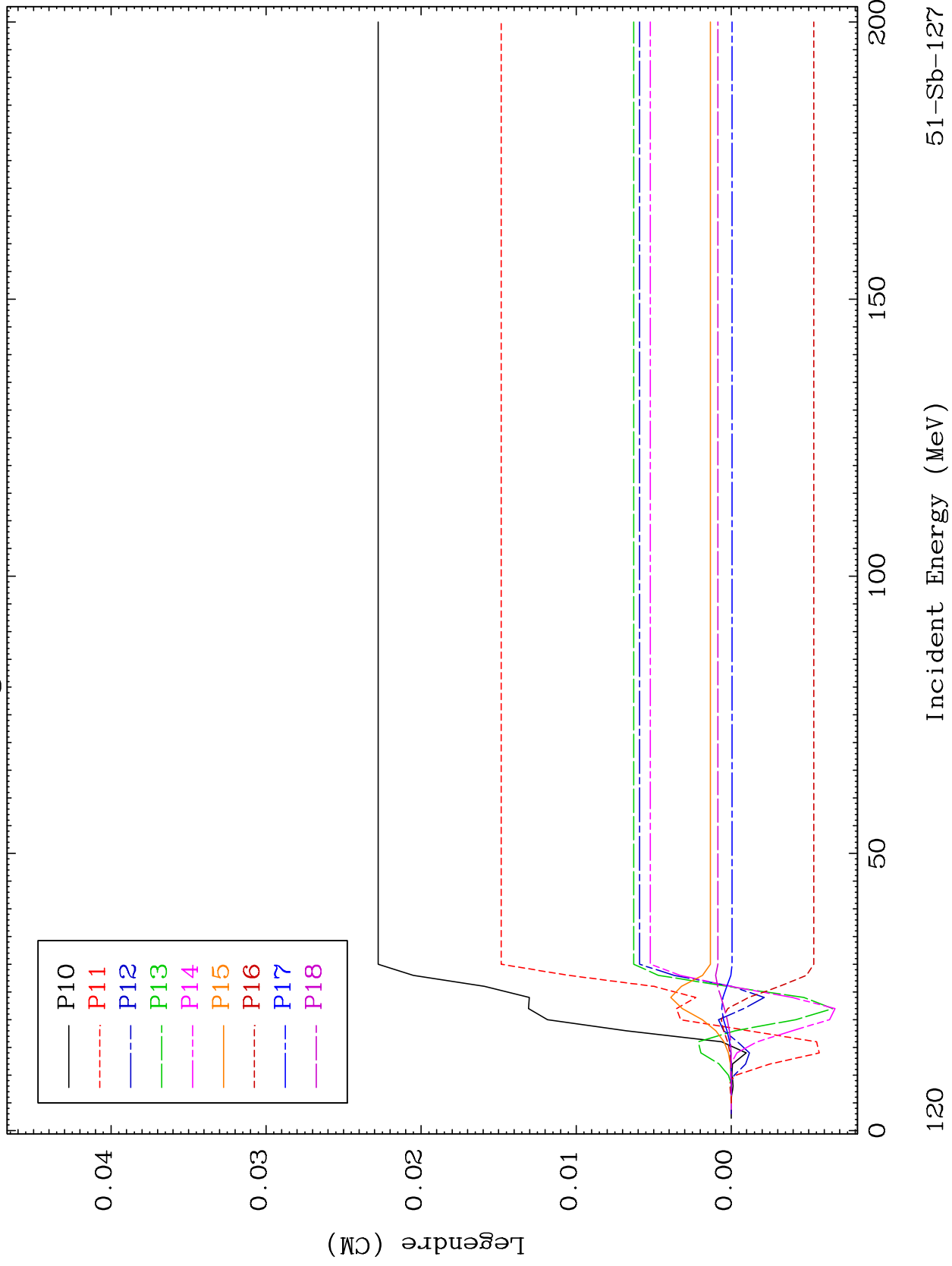
Incident Energy (MeV)

119

MAT 5143

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

51-Sb-127



51-Sb-127

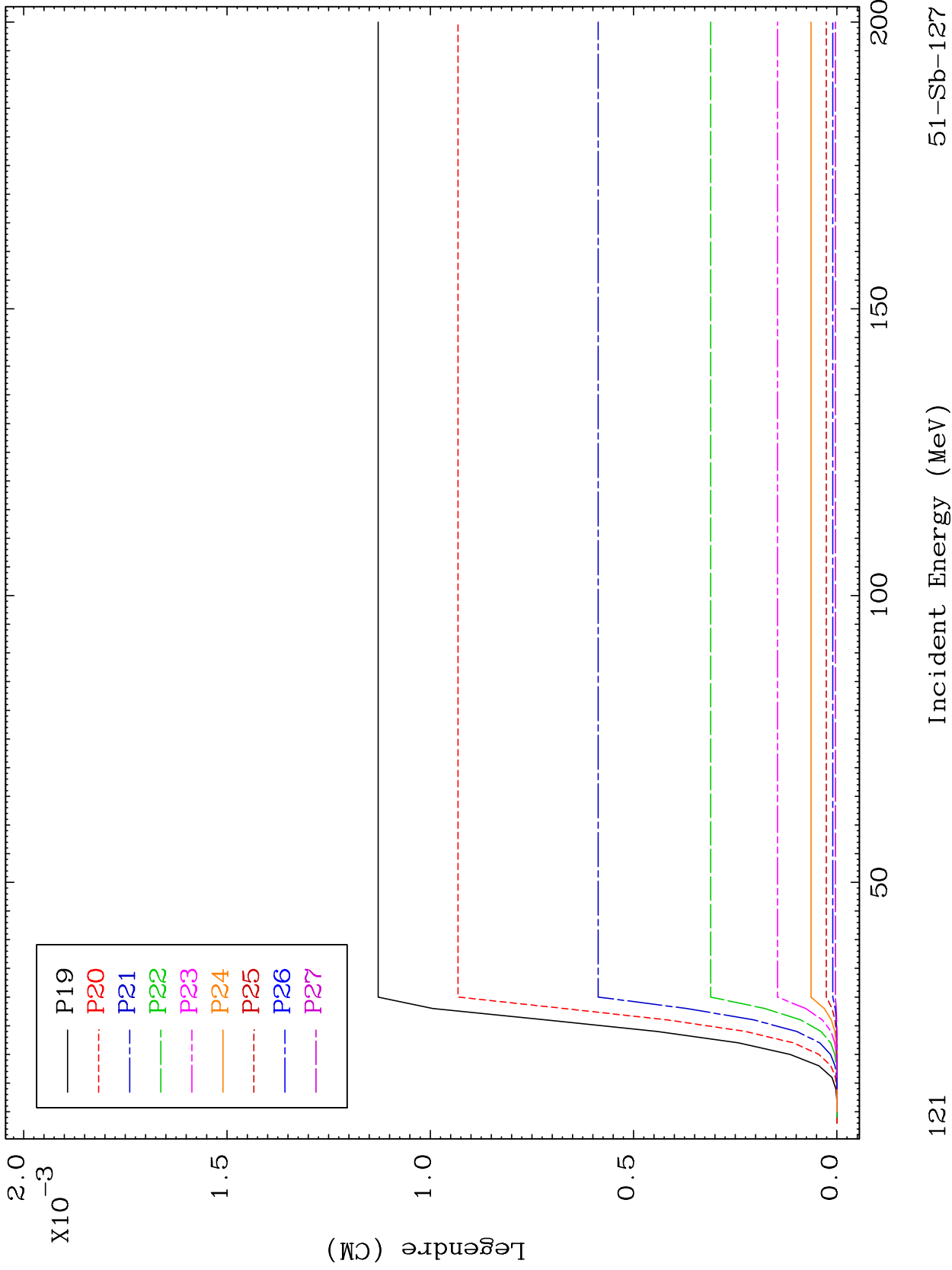
Incident Energy (MeV)

120

MAT 5143

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

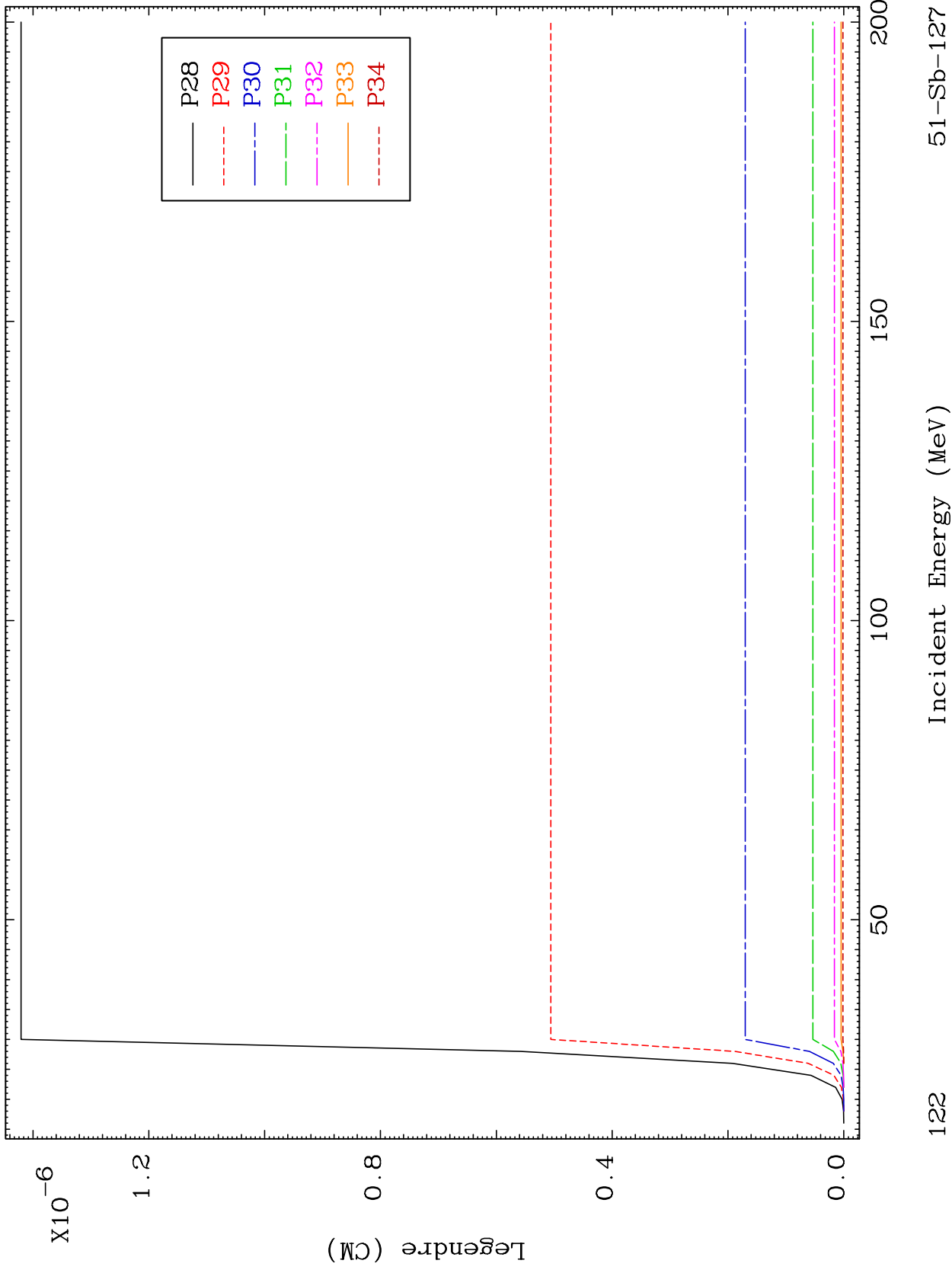
51-Sb-127



MAT 5143

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

51-Sb-127



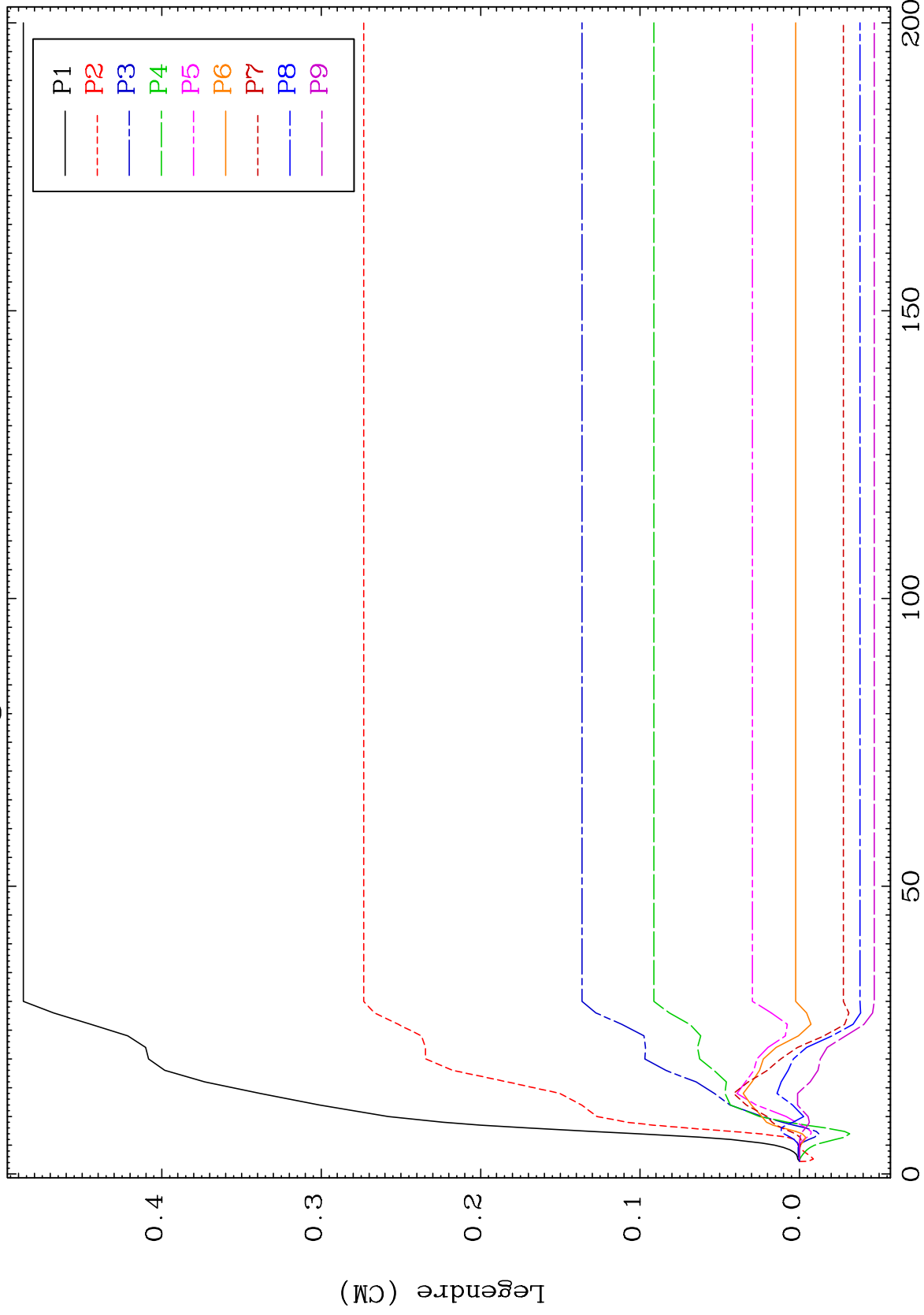
122

51-Sb-127

MAT 5143

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

51-Sb-127



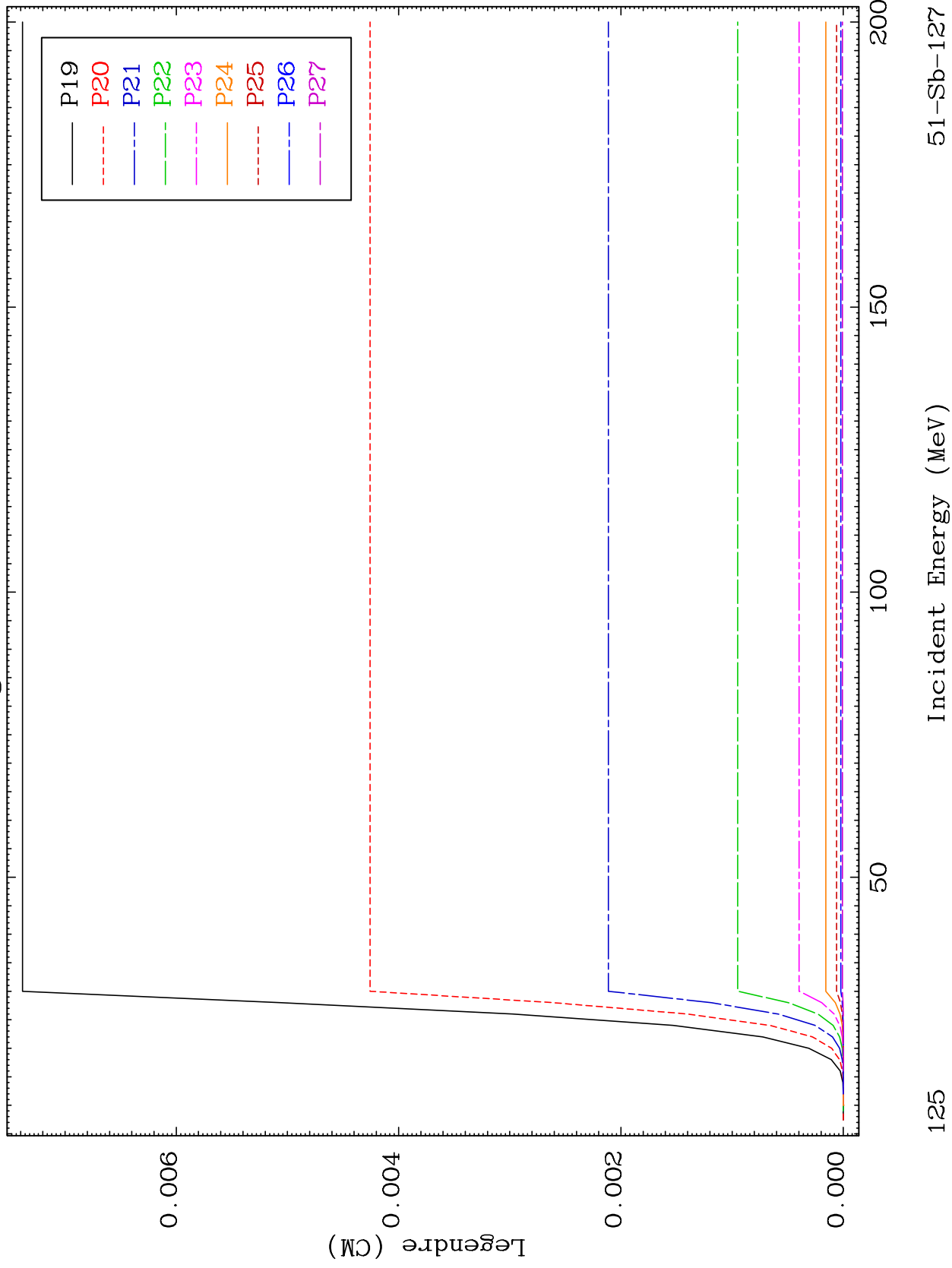
123

51-Sb-127

MAT 5143

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

51-Sb-127



125

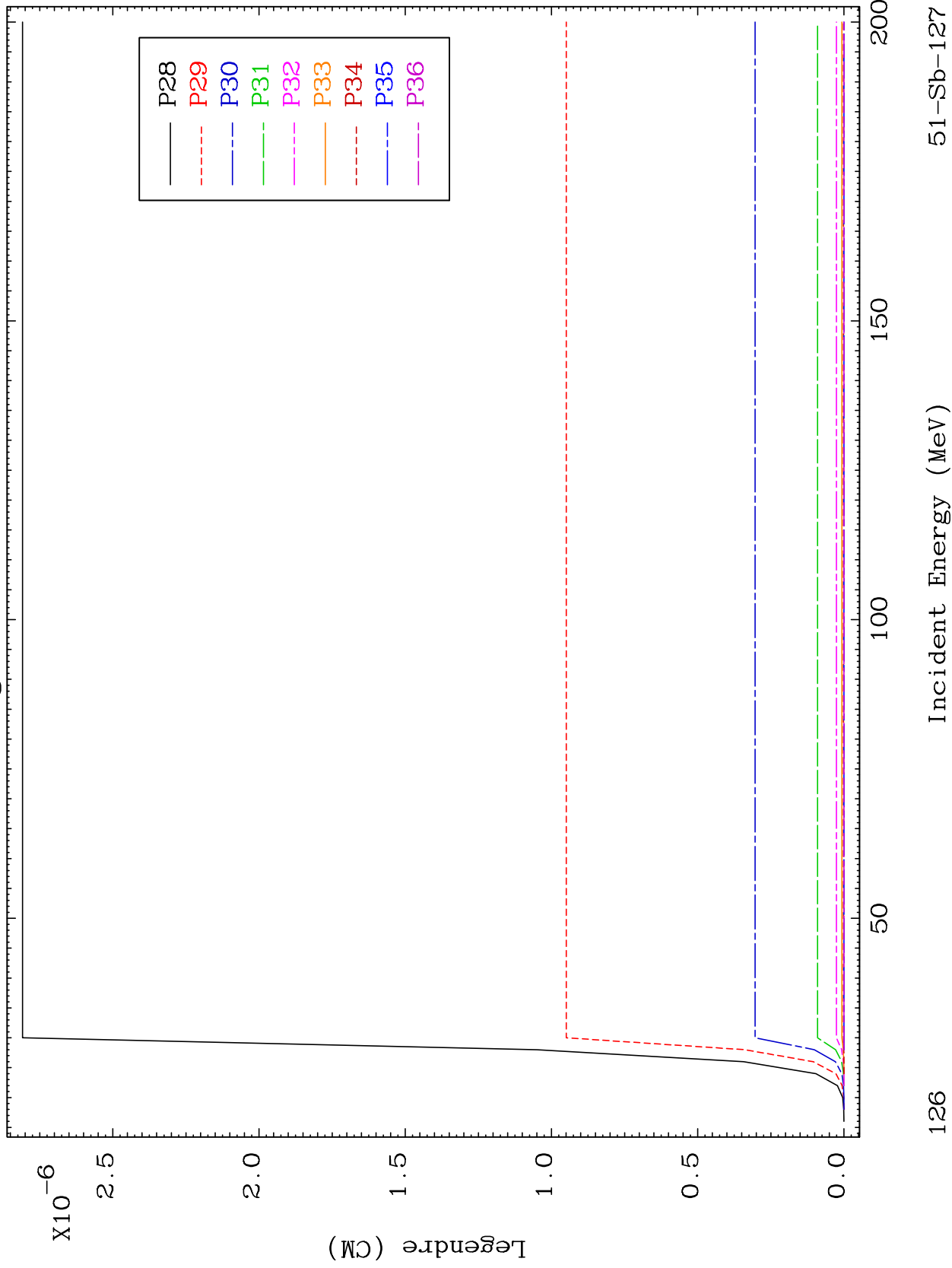
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



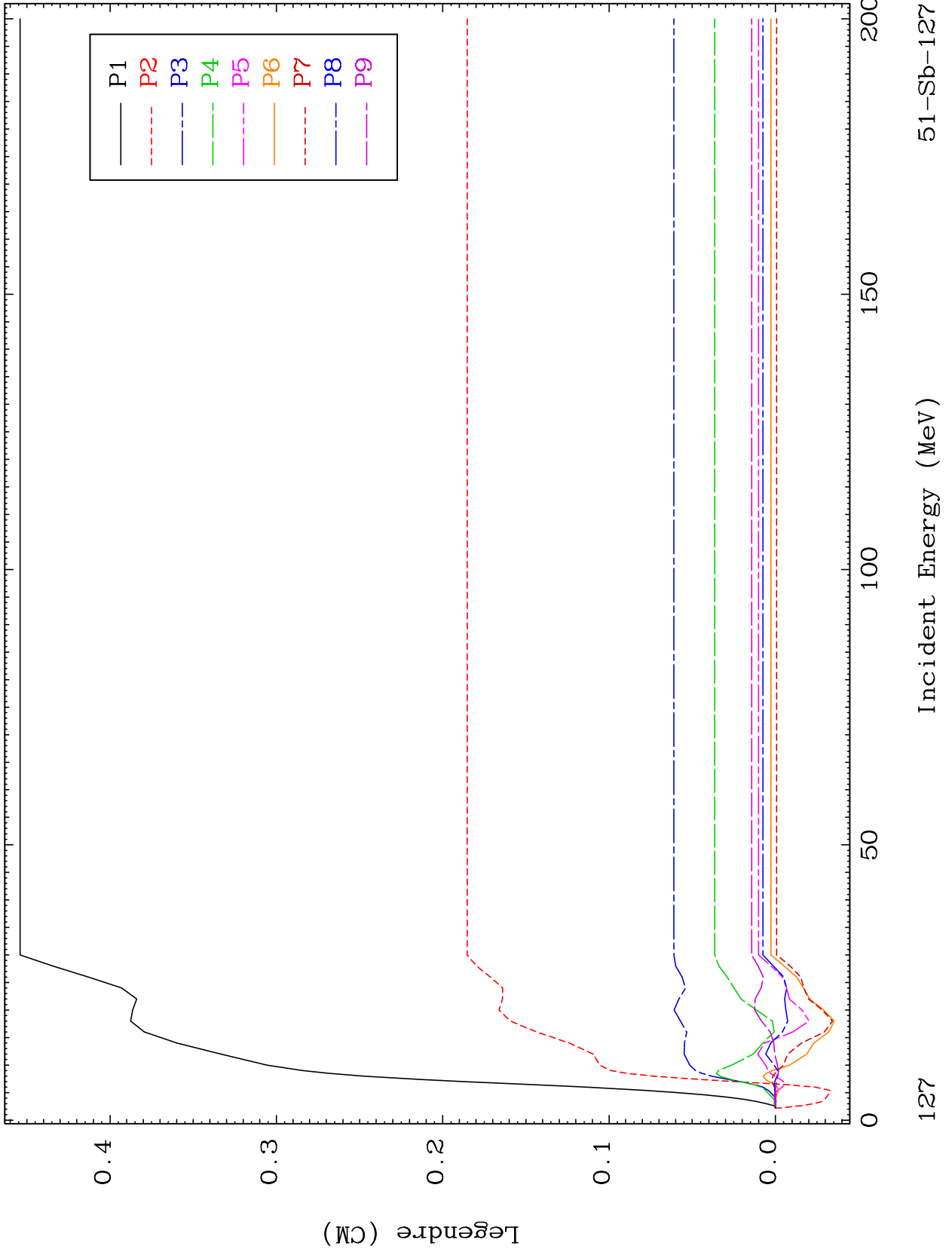
126

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

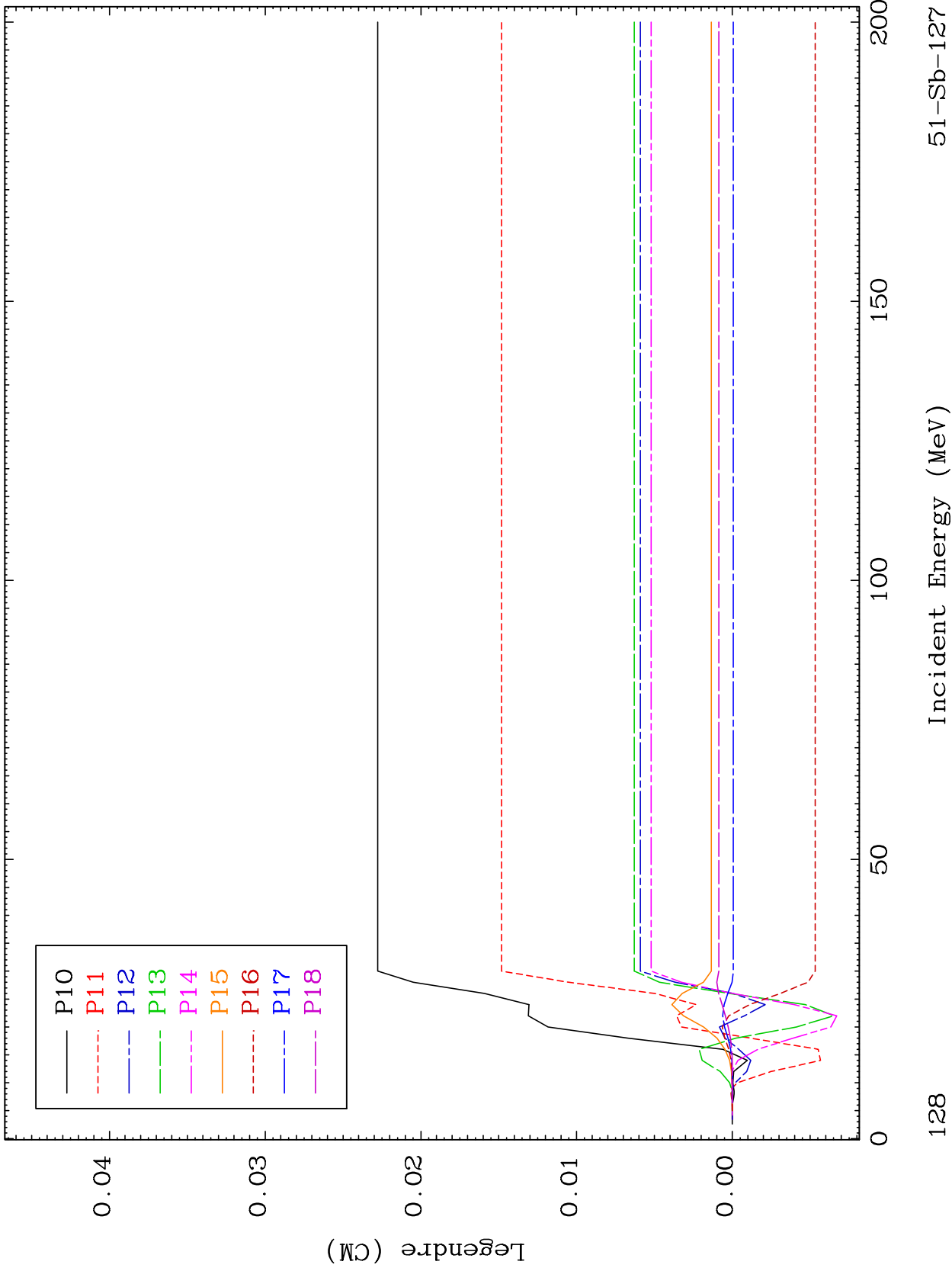
Incident Energy (MeV)

127

MAT 5143

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

51-Sb-127



51-Sb-127

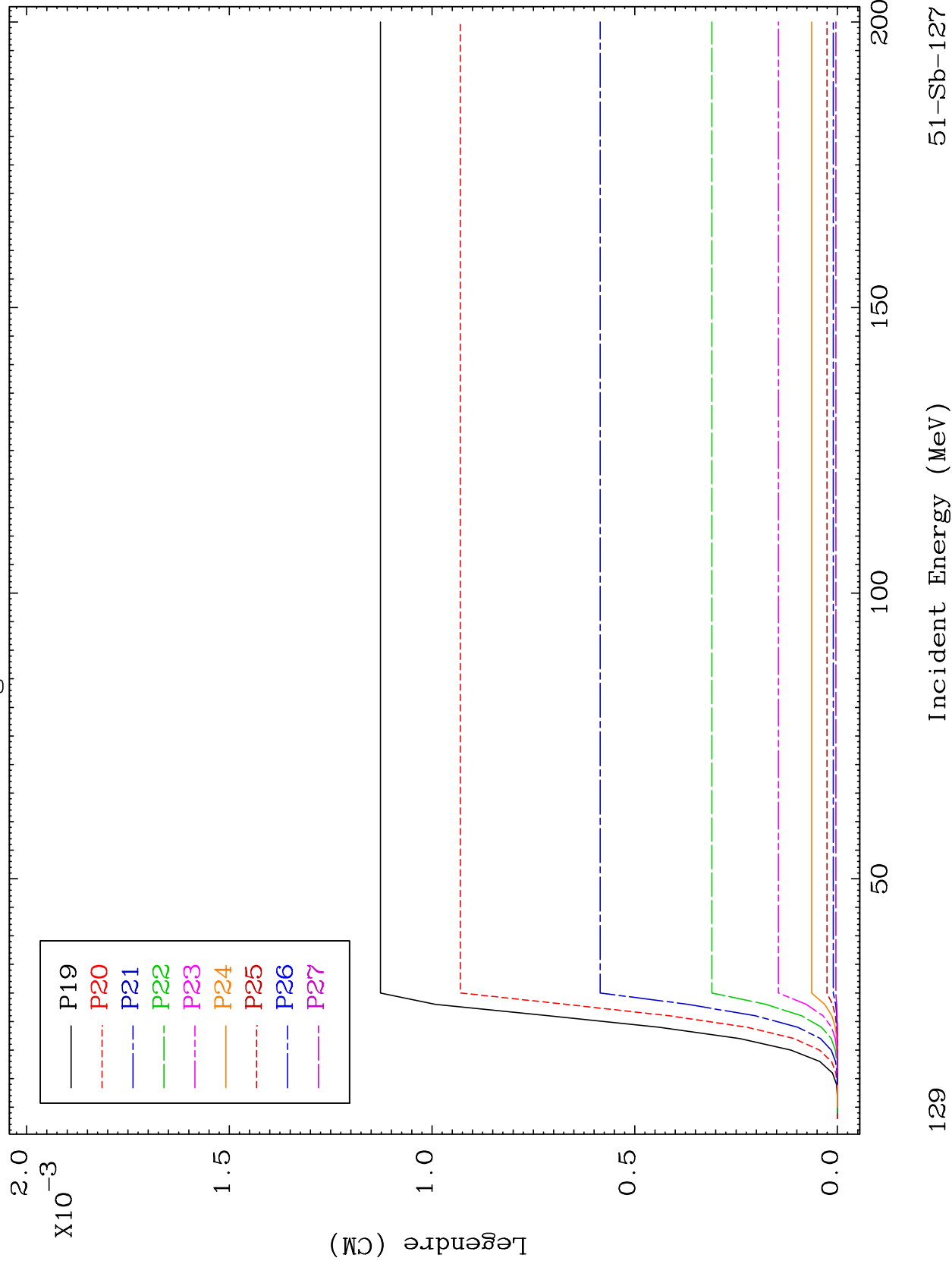
Incident Energy (MeV)

128

MAT 5143

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

51-Sb-127



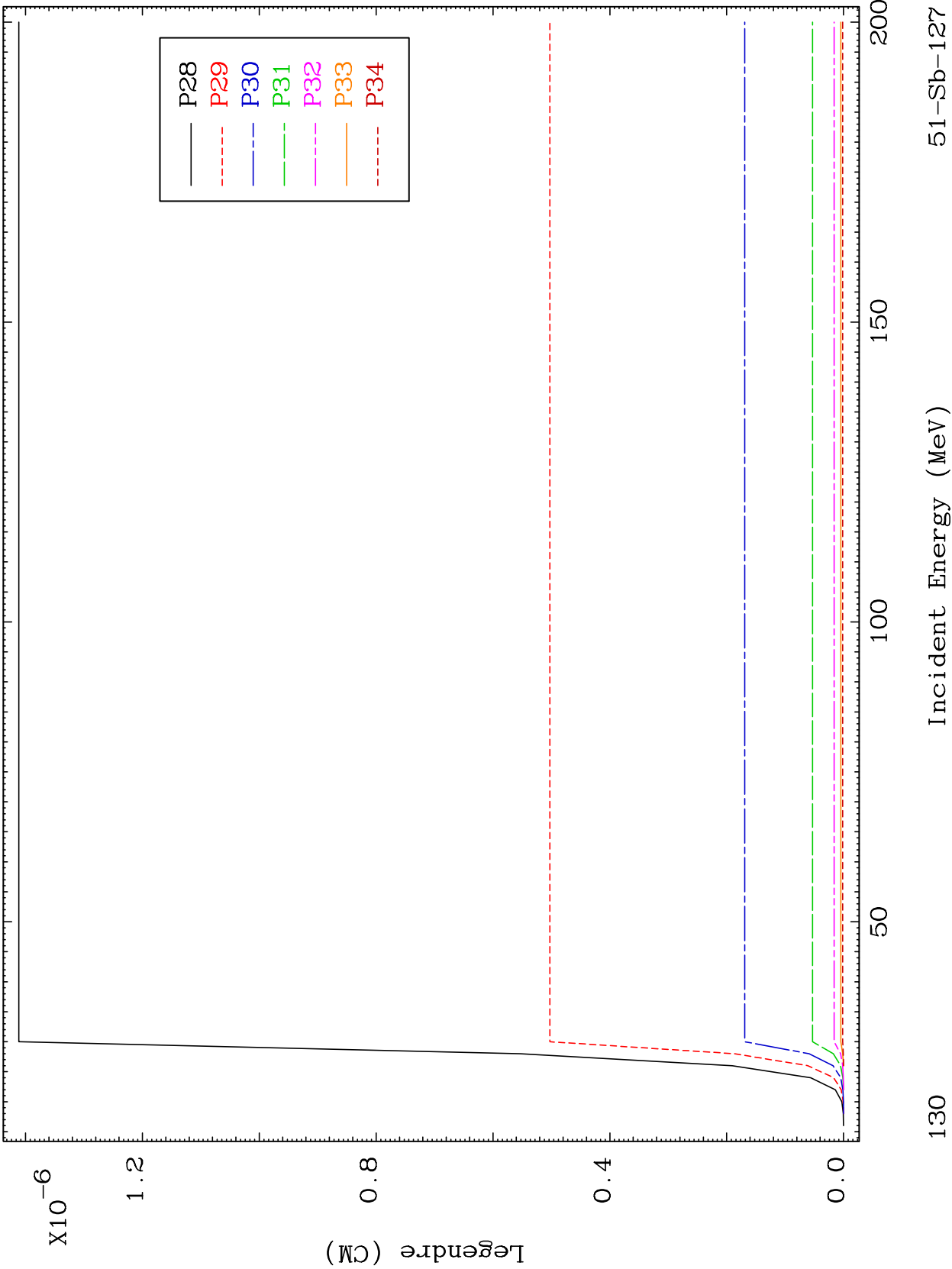
129

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

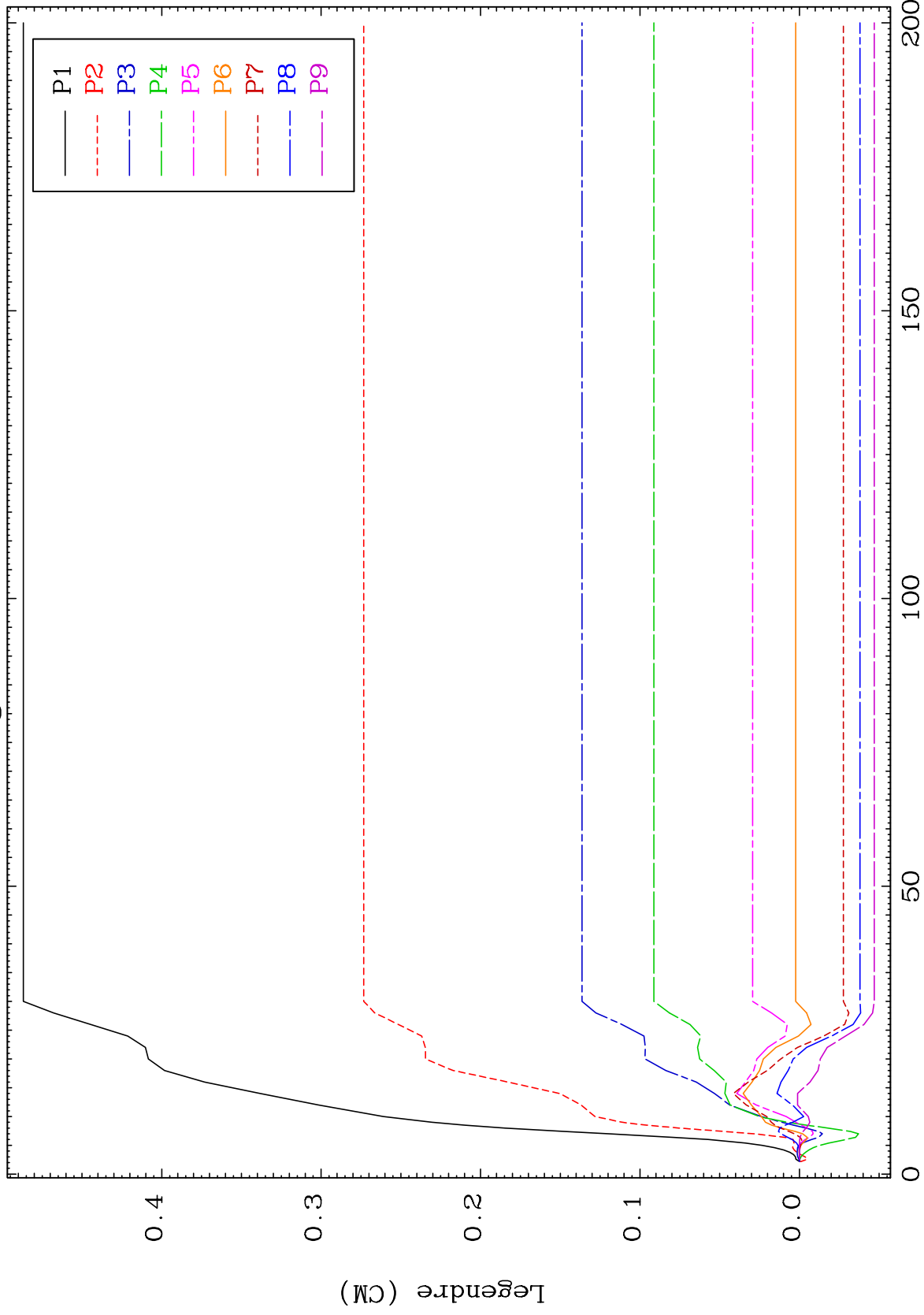
Incident Energy (MeV)

130

MAT 5143

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

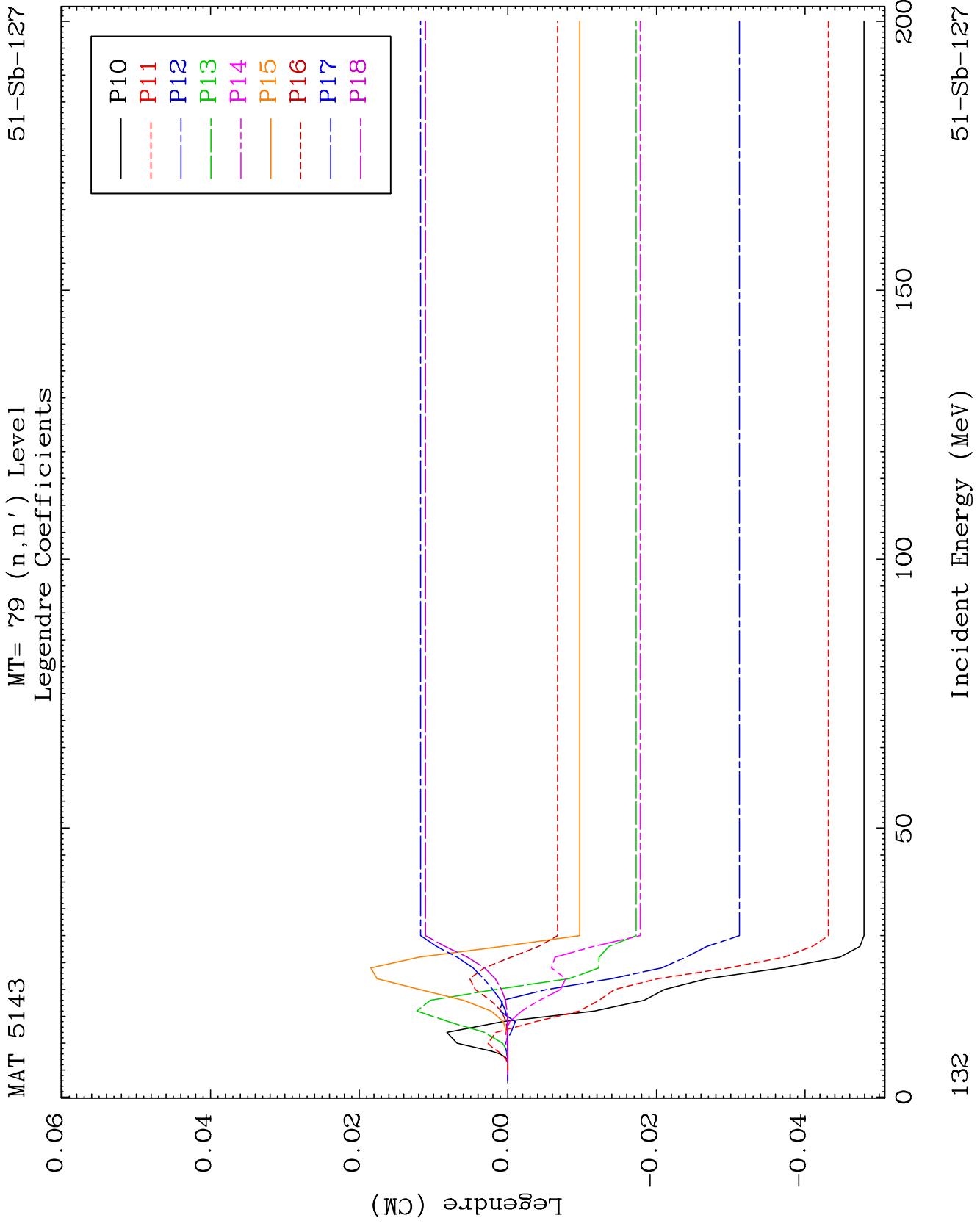
51-Sb-127



131

Incident Energy (MeV)

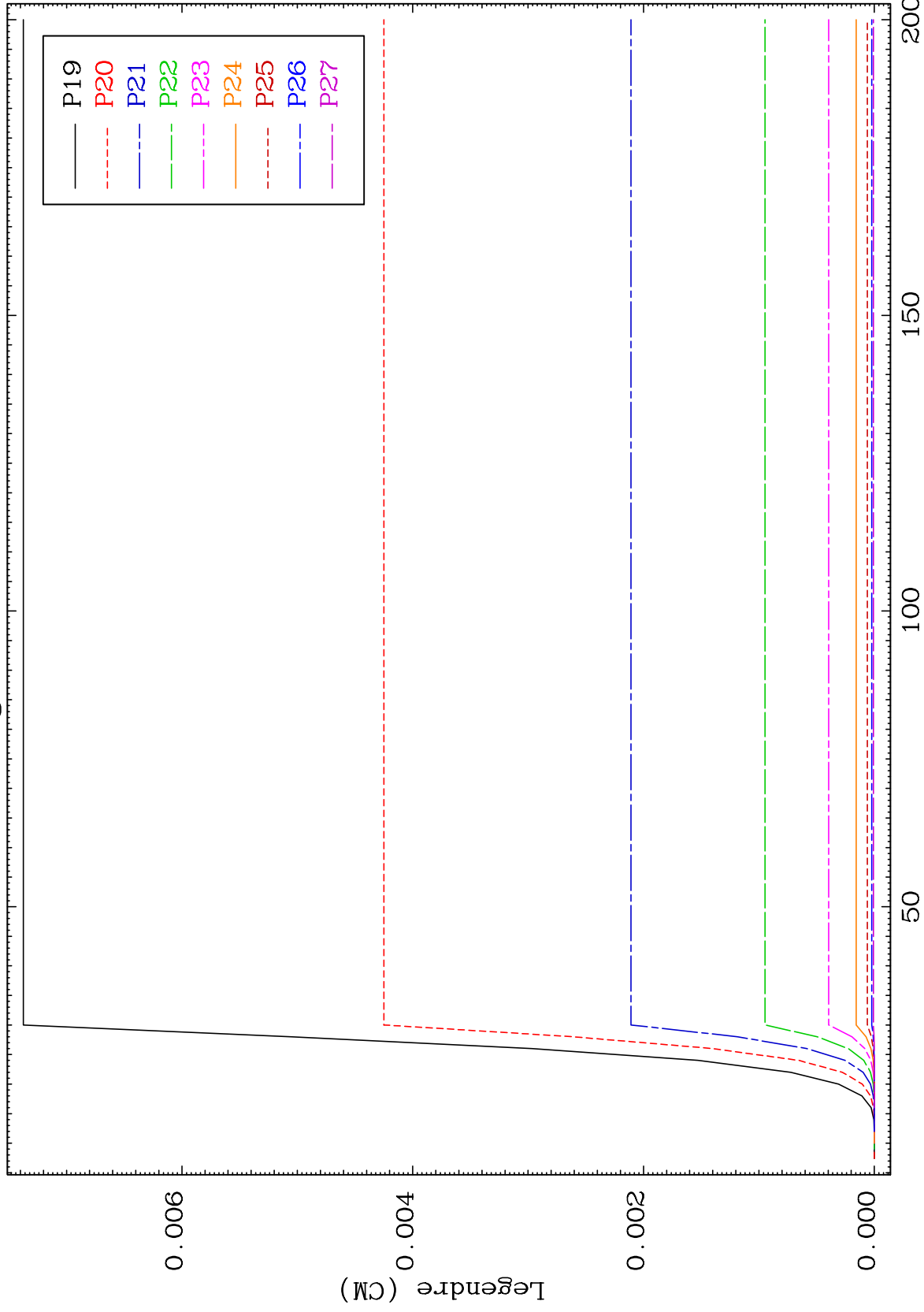
51-Sb-127



MAT 5143

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

51-Sb-127



133

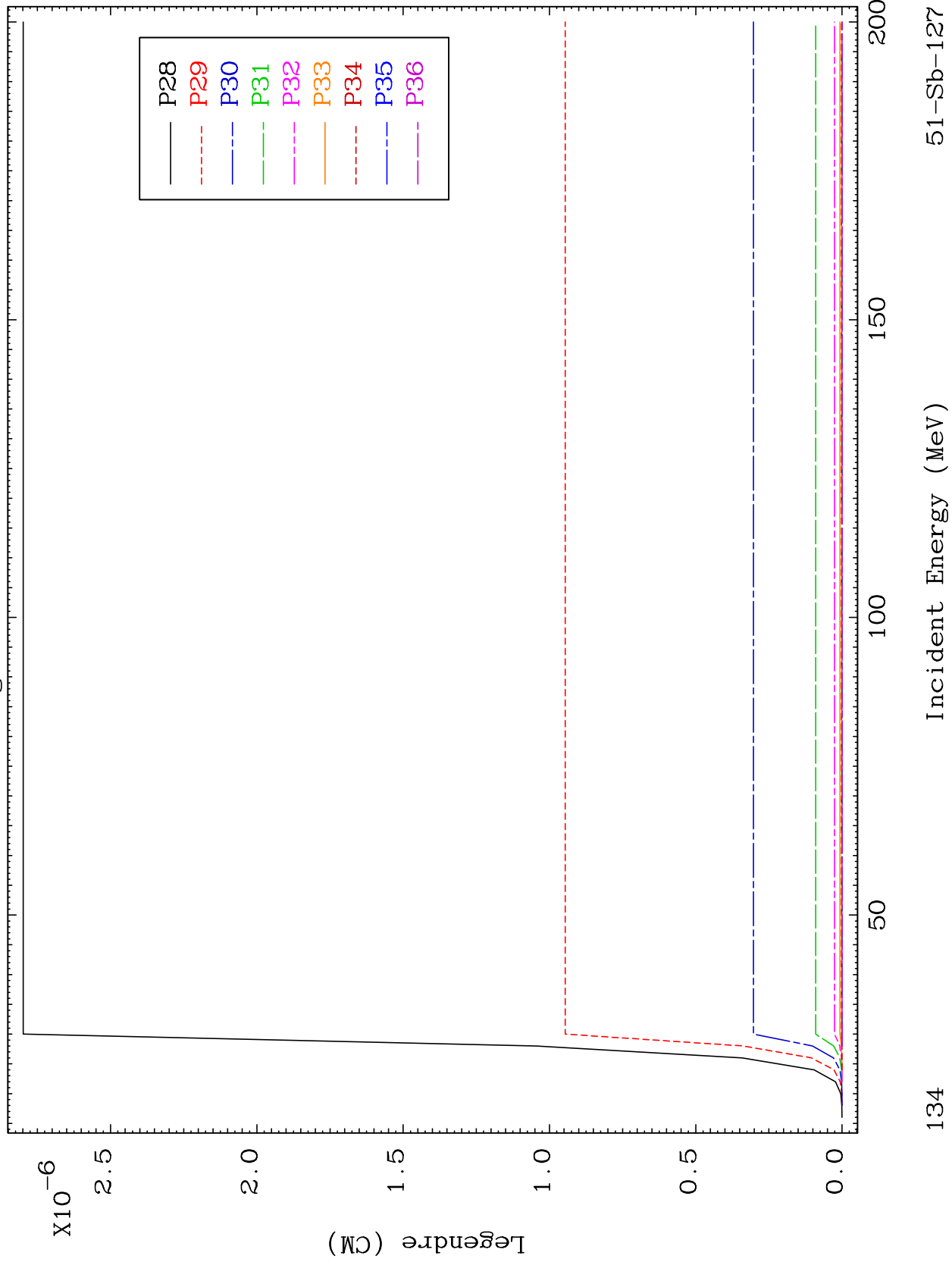
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



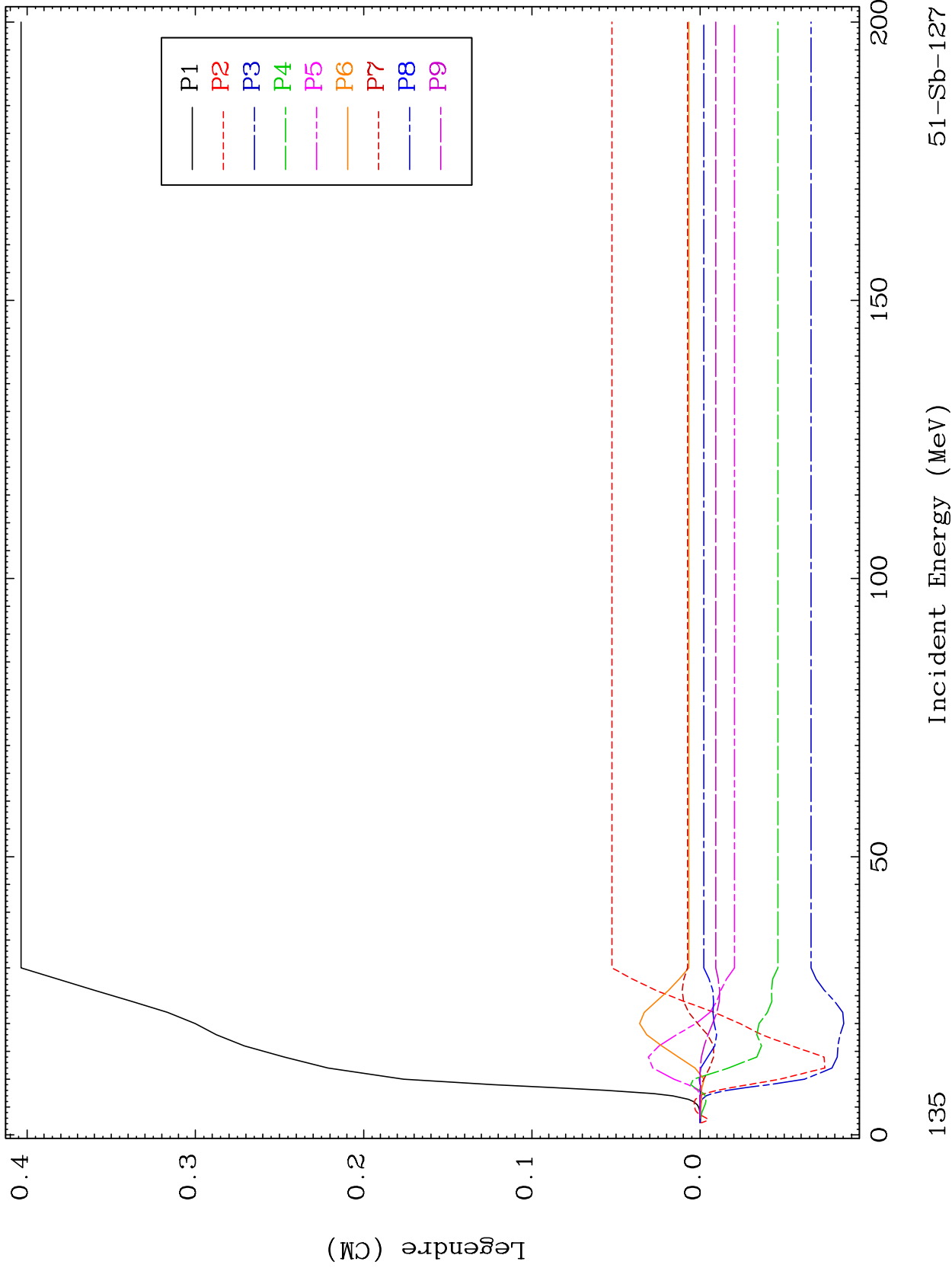
134

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

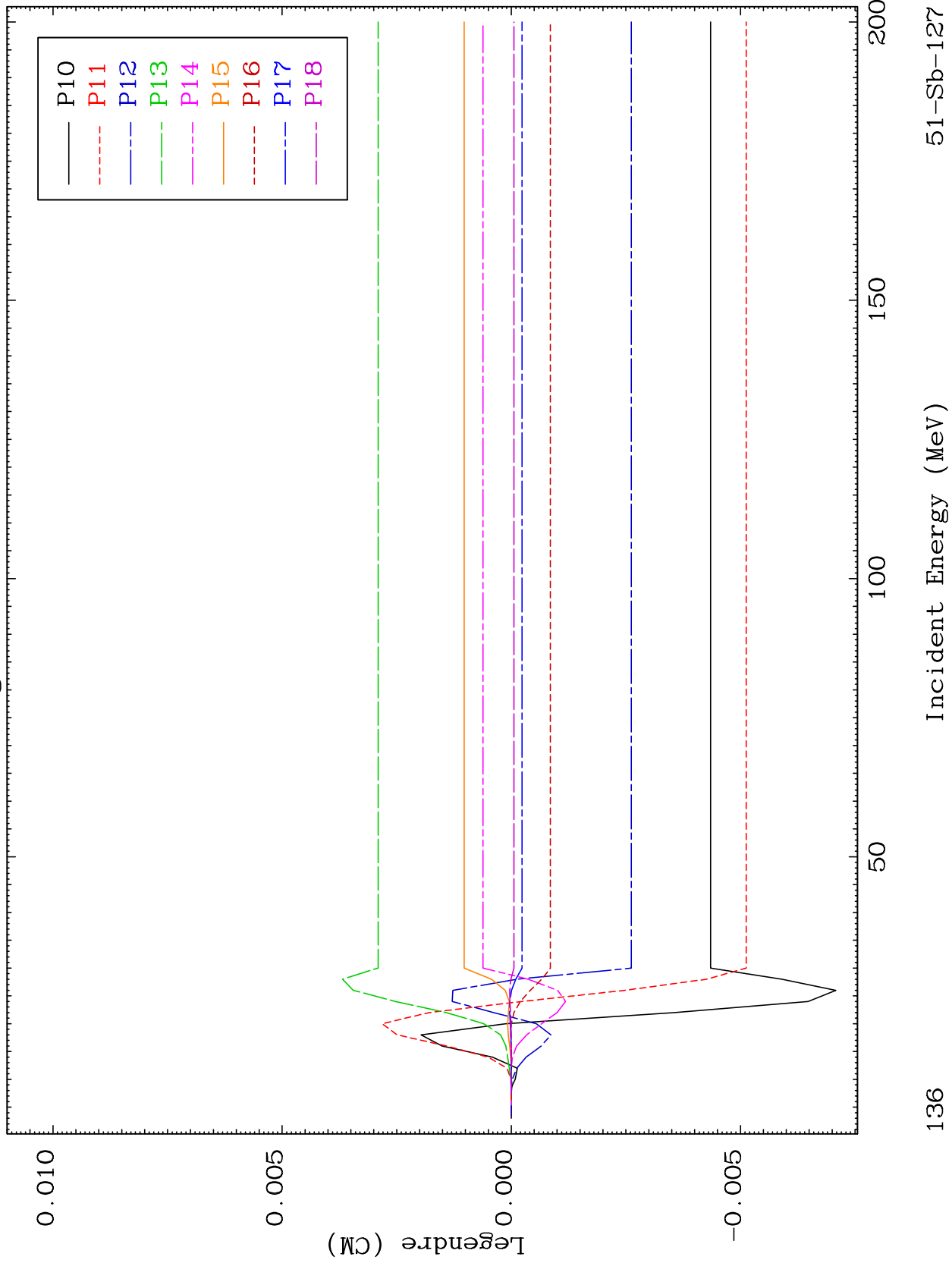
Incident Energy (MeV)

135

MAT 5143

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

51-Sb-127



136

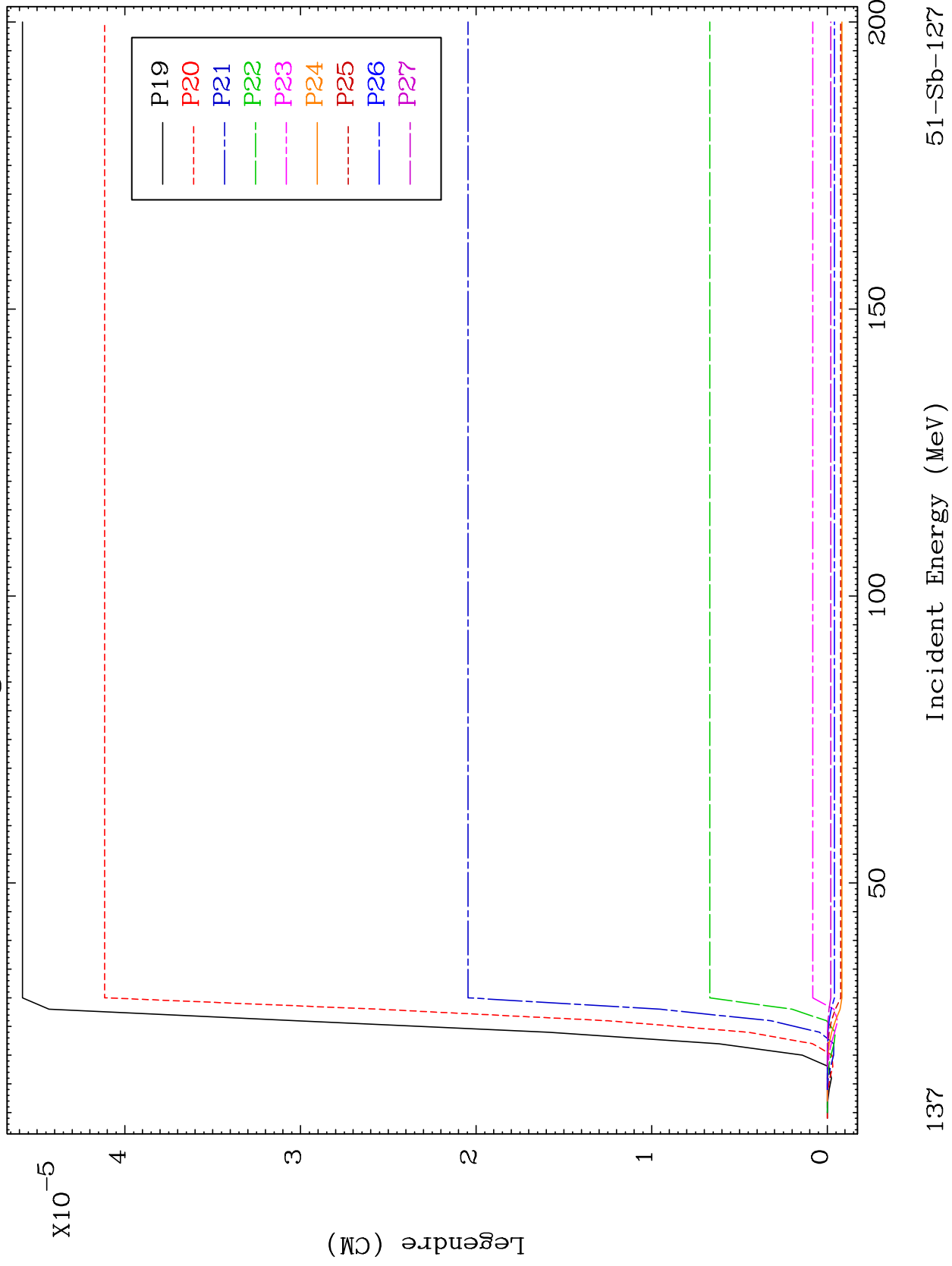
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



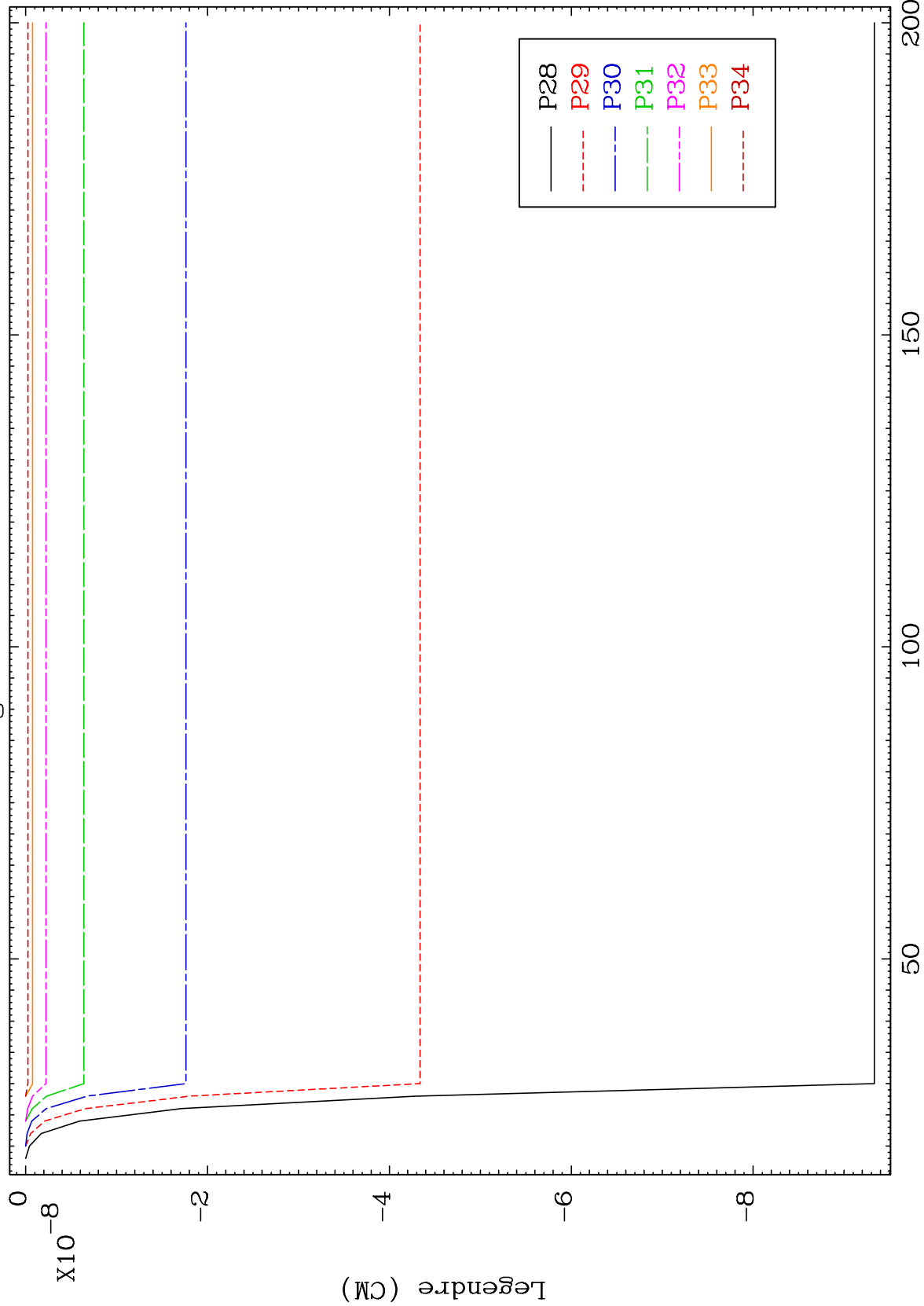
137

MAT 5143

MT= 80 (n,n') Level

51-Sb-127

Legendre Coefficients



138

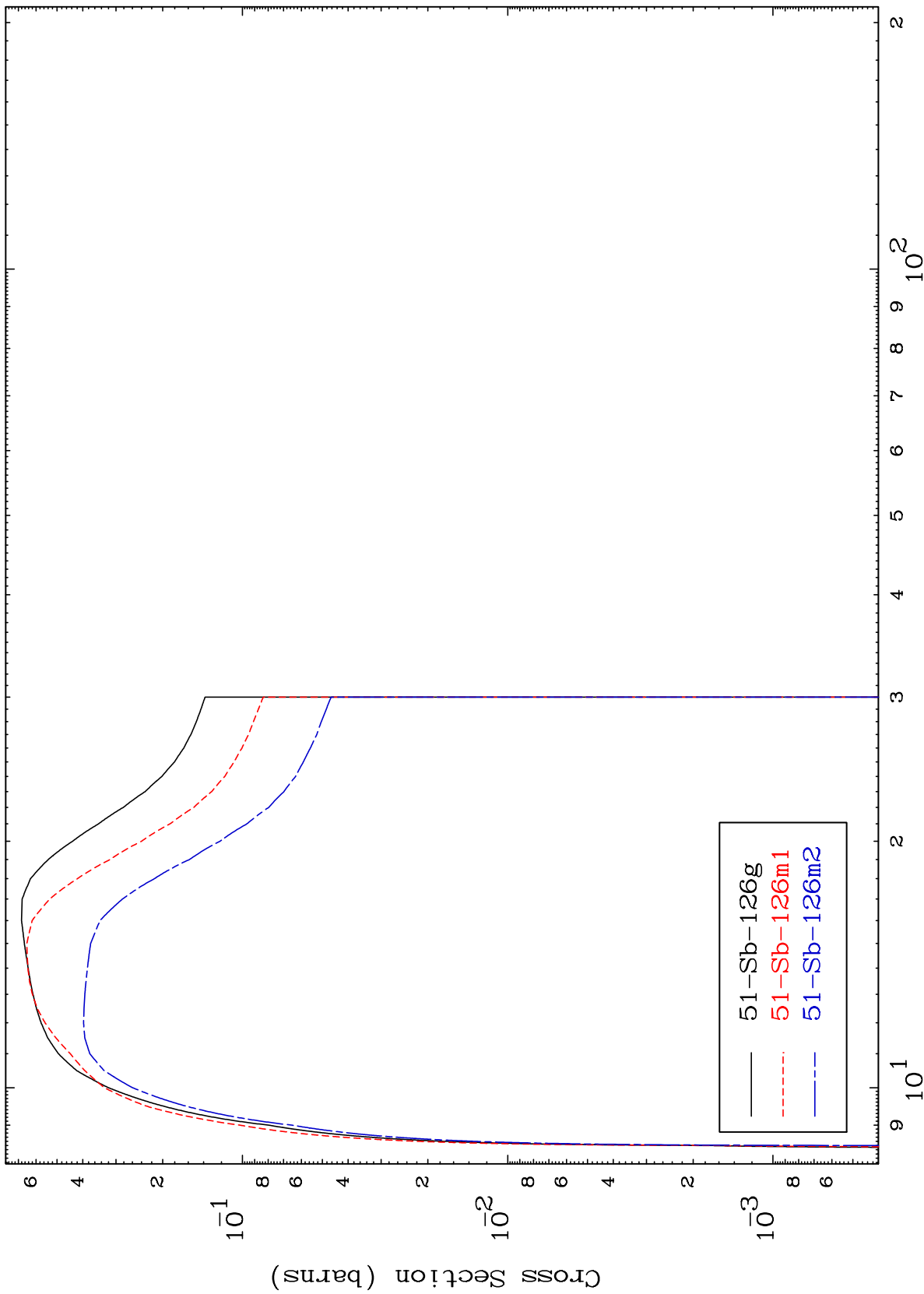
Incident Energy (MeV)

51-Sb-127

MAT 5143

51-Sb-127

(n,2n)
Radionuclide Production Cross Section



51-Sb-127

Incident Energy (MeV)

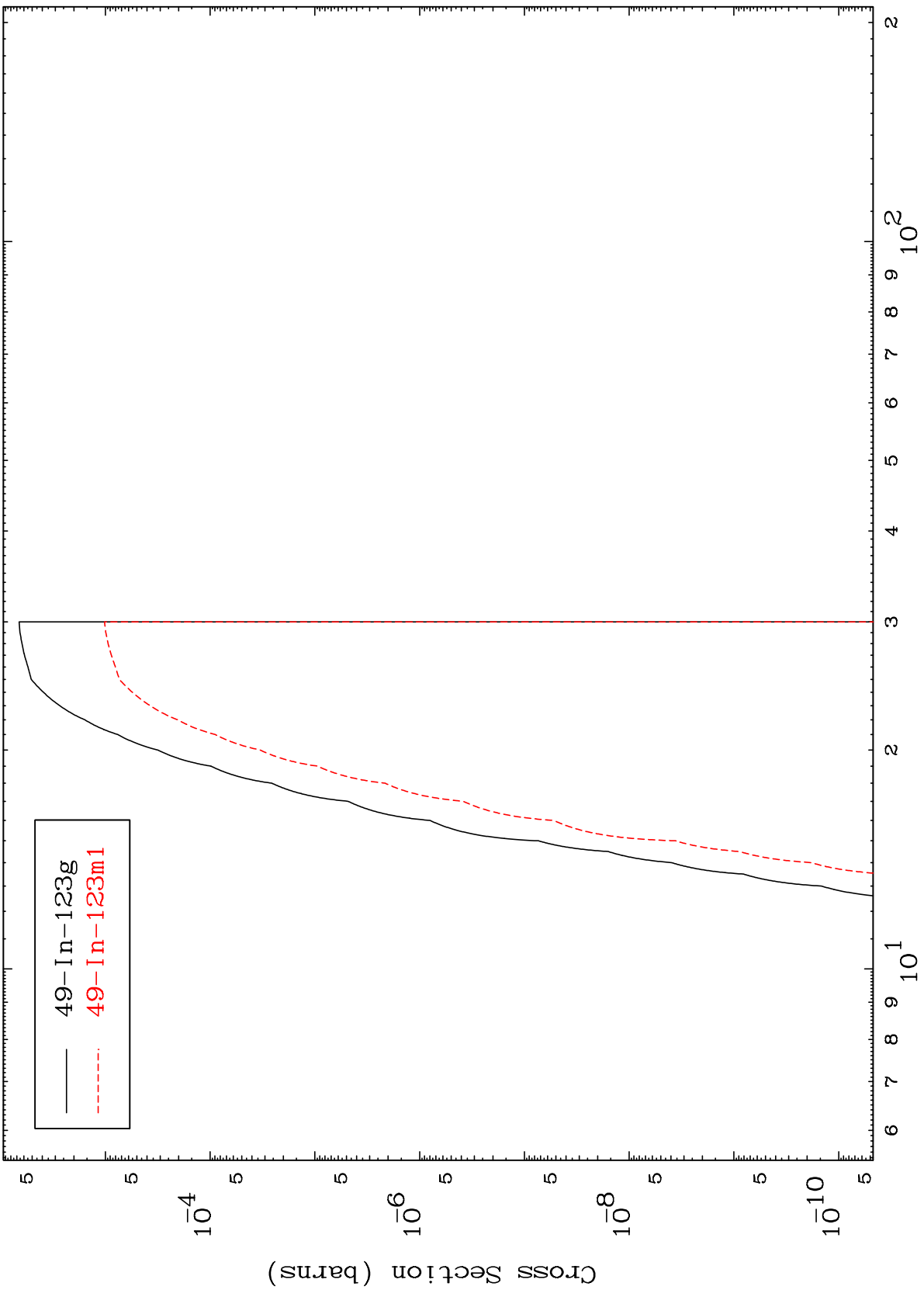
139

MAT 5143

(n,n') α

51-Sb-127

Radionuclide Production Cross Section



140

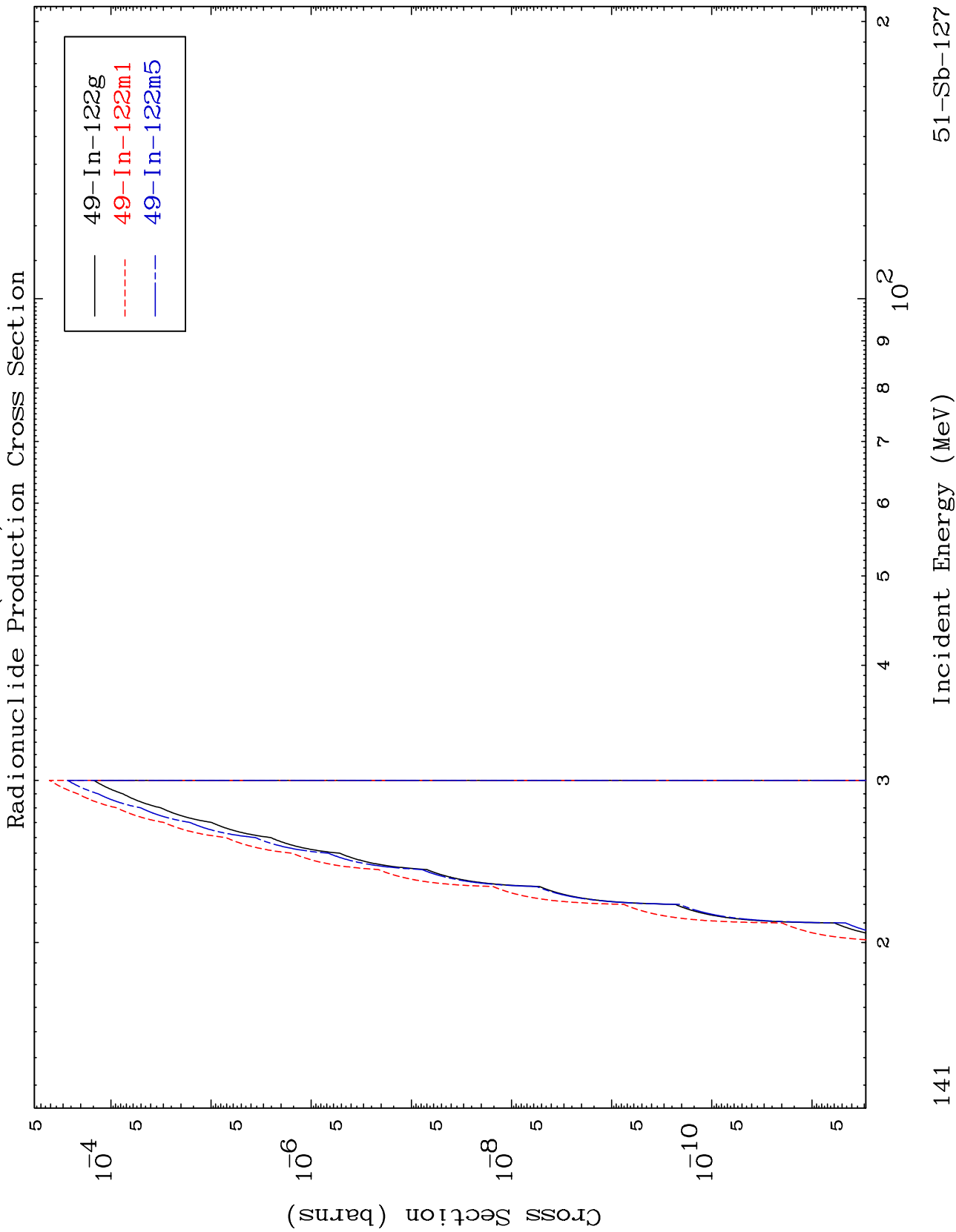
Incident Energy (MeV)

51-Sb-127

MAT 5143

$(n,2n) \alpha$

51-Sb-127



141

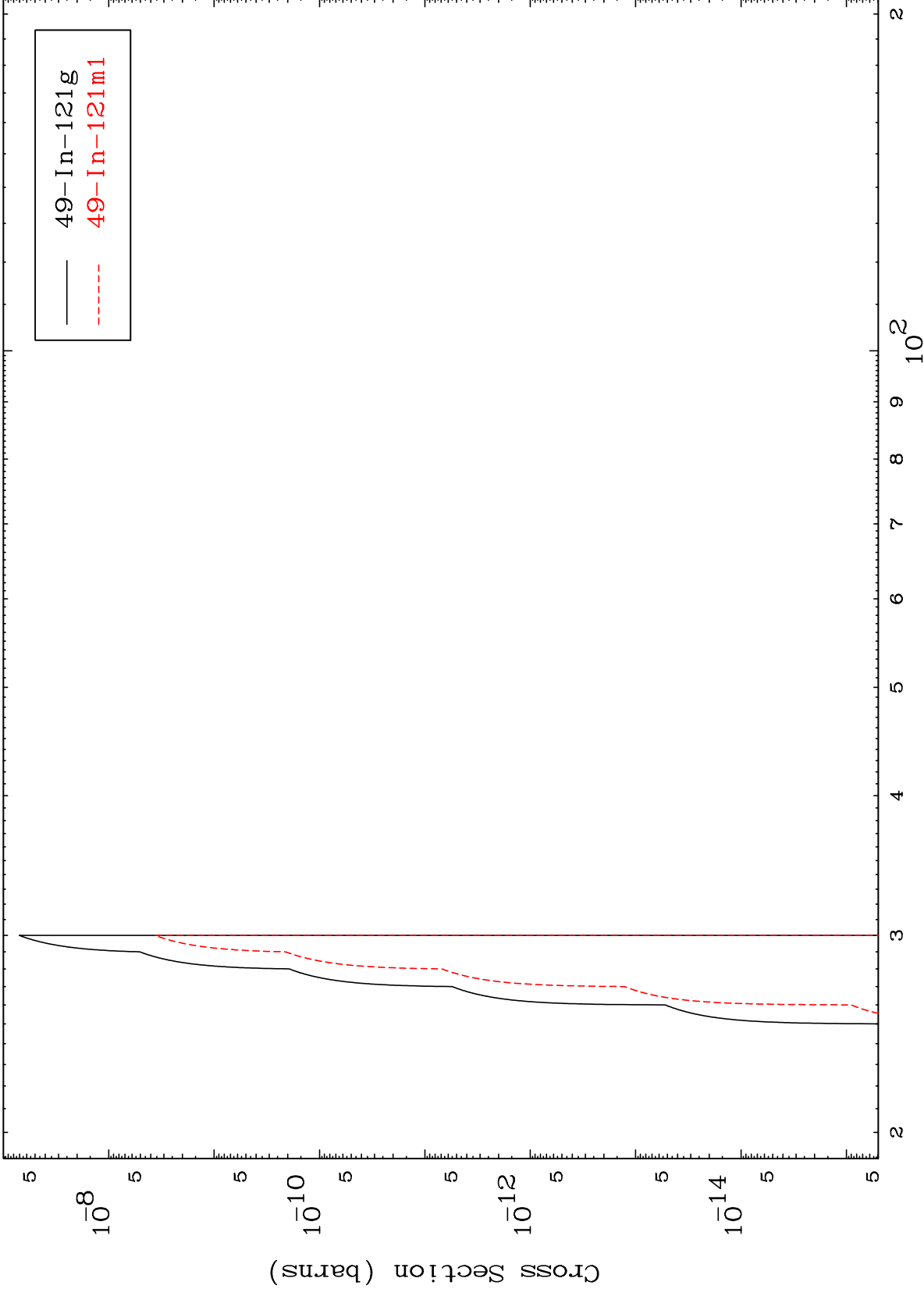
51-Sb-127

MAT 5143

(n,3n) α

51-Sb-127

Radionuclide Production Cross Section

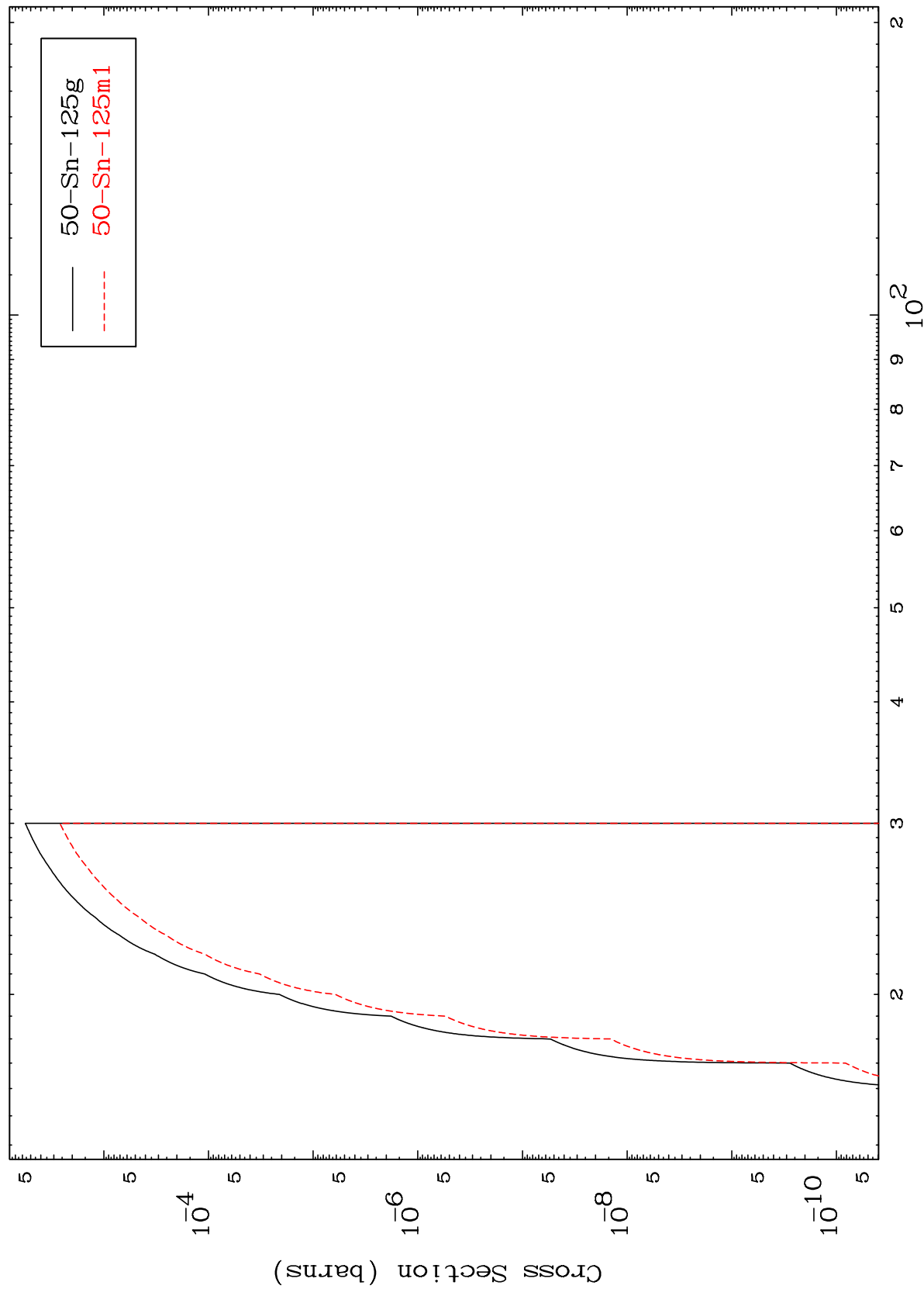


142

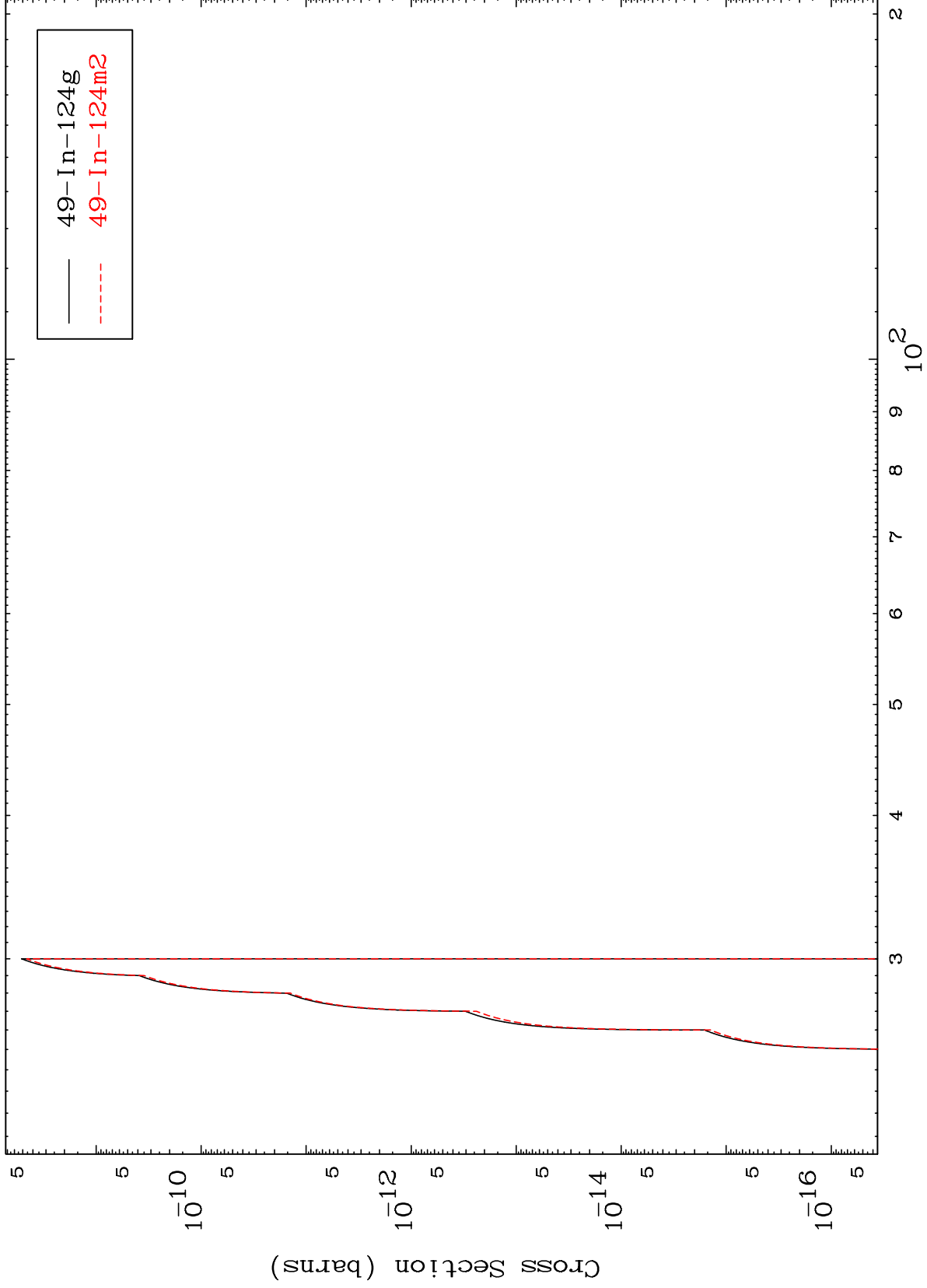
Incident Energy (MeV)

51-Sb-127

Radionuclide Production Cross Section



Radionuclide Production Cross Section

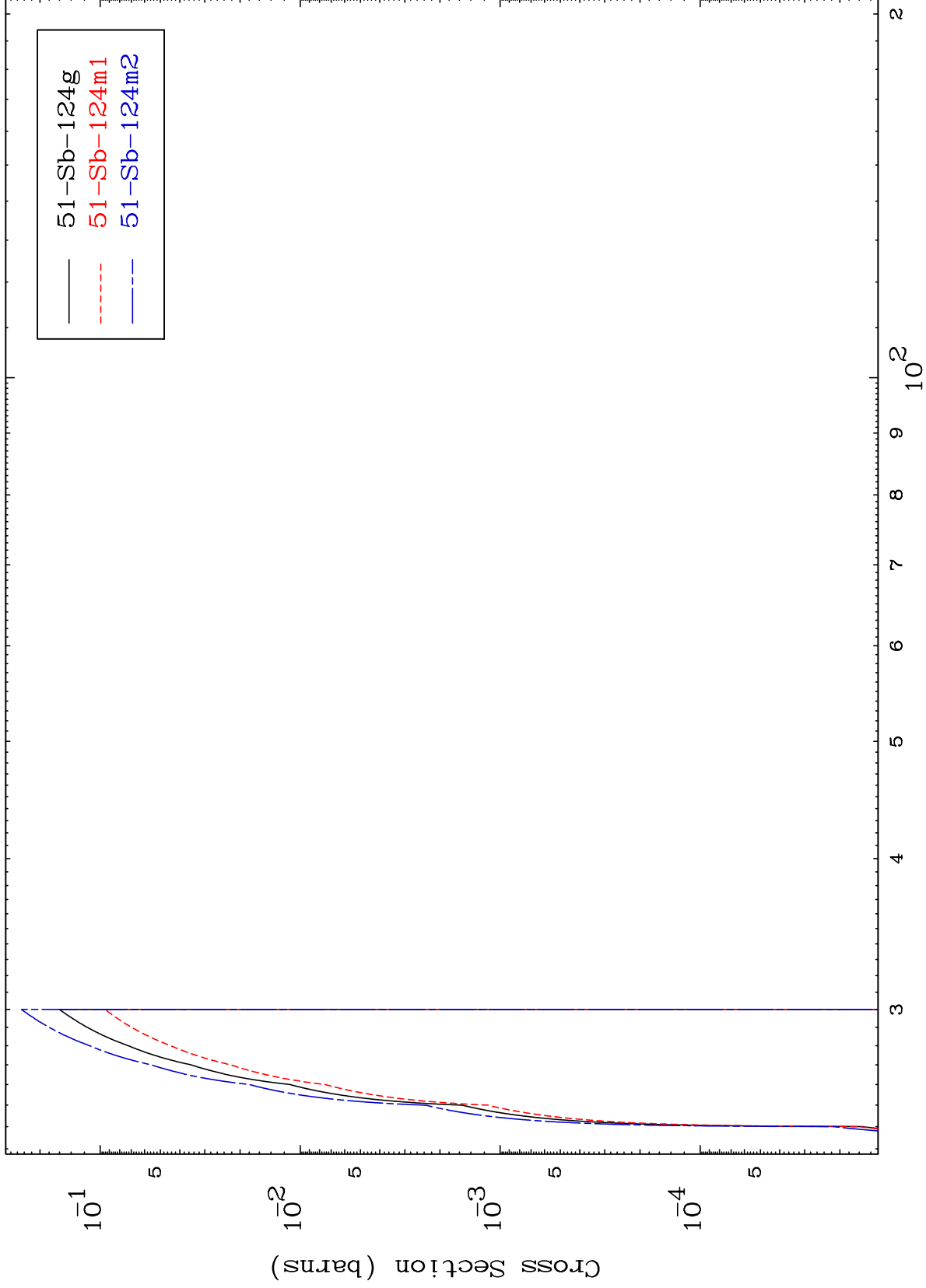


MAT 5143

(n,4n)

51-Sb-127

Radionuclide Production Cross Section



145

Incident Energy (MeV)

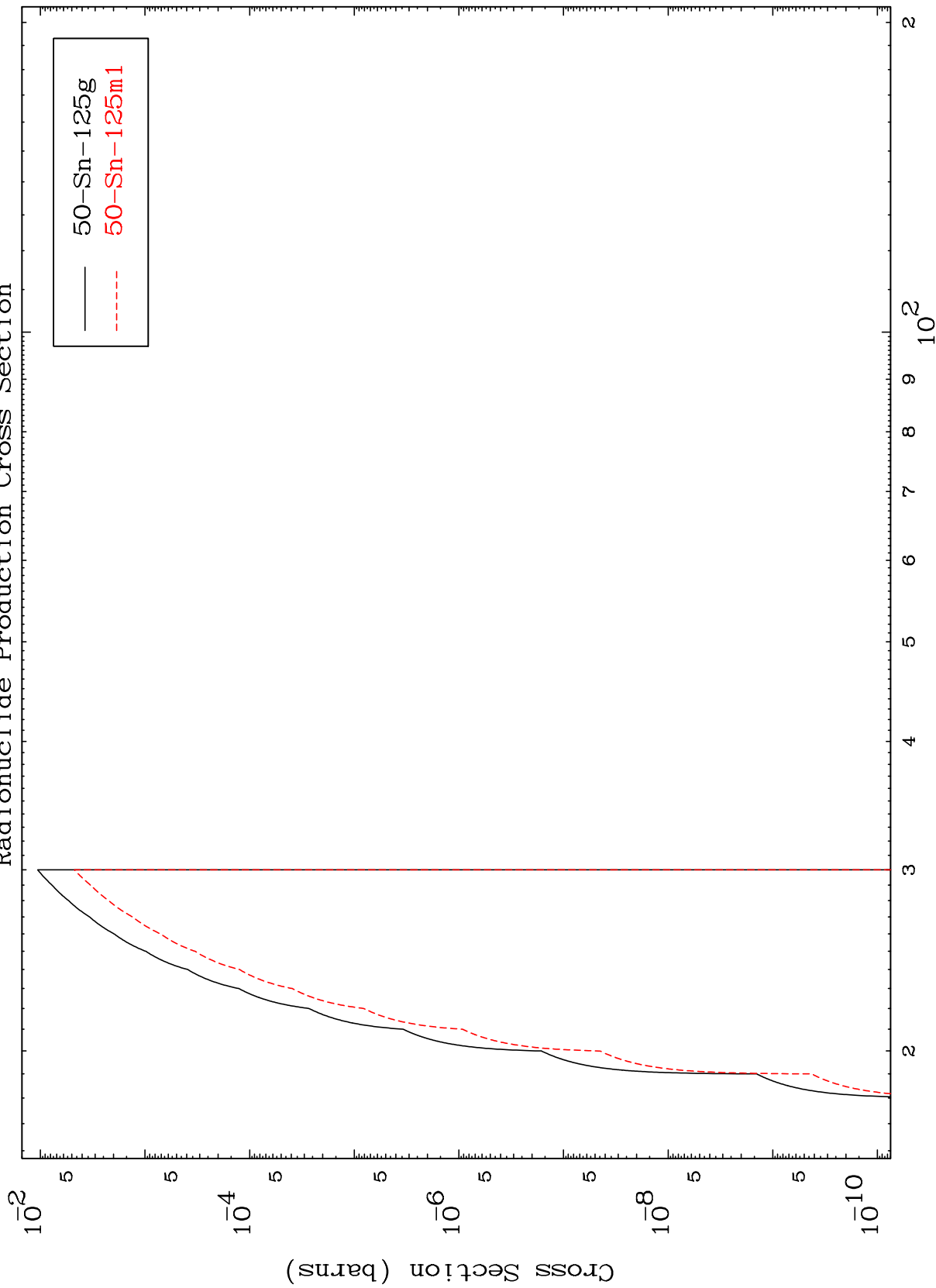
51-Sb-127

MAT 5143

(n,2n) p

51-Sb-127

Radionuclide Production Cross Section



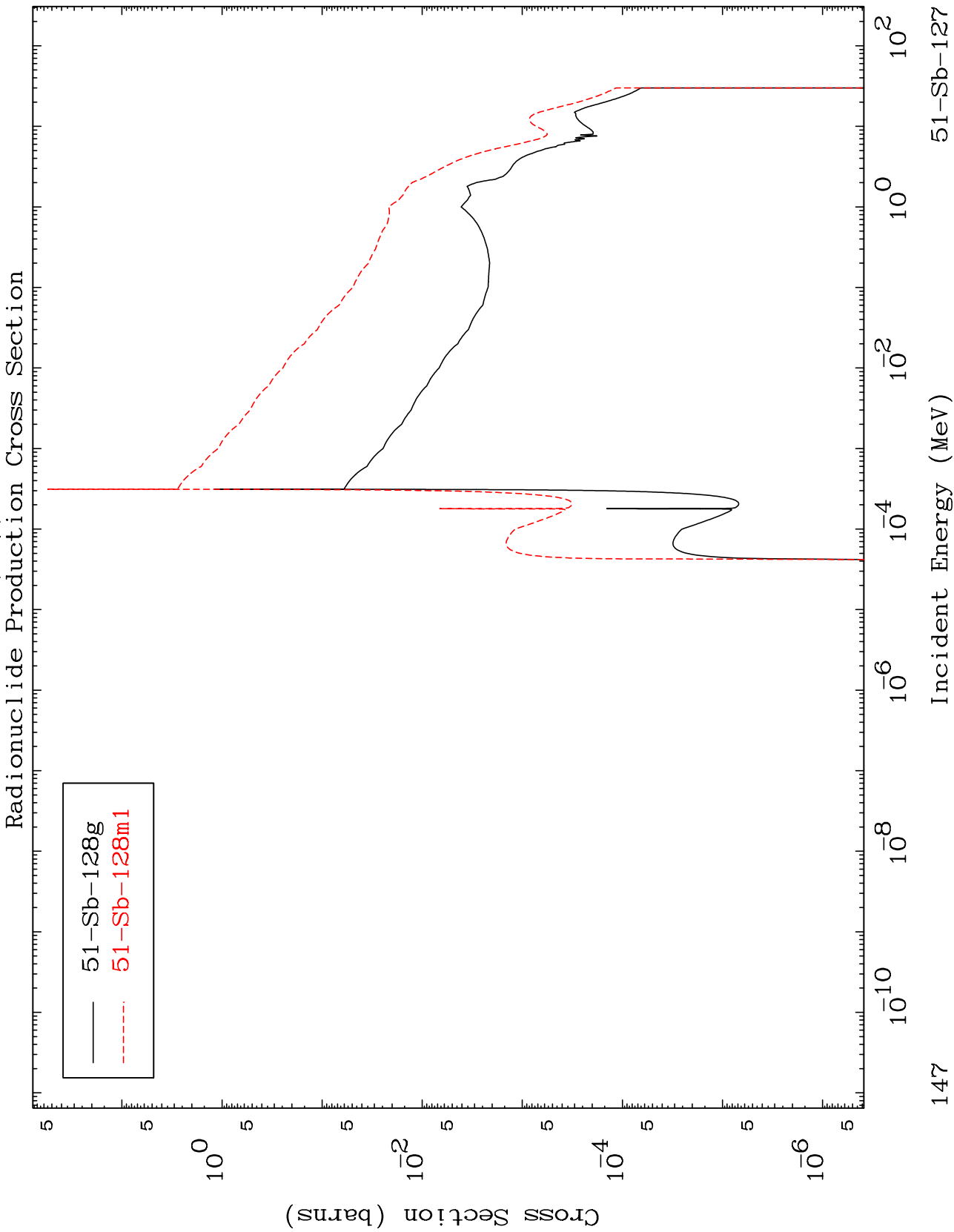
146

Incident Energy (MeV)

51-Sb-127

MAT 5143

51-Sb-127



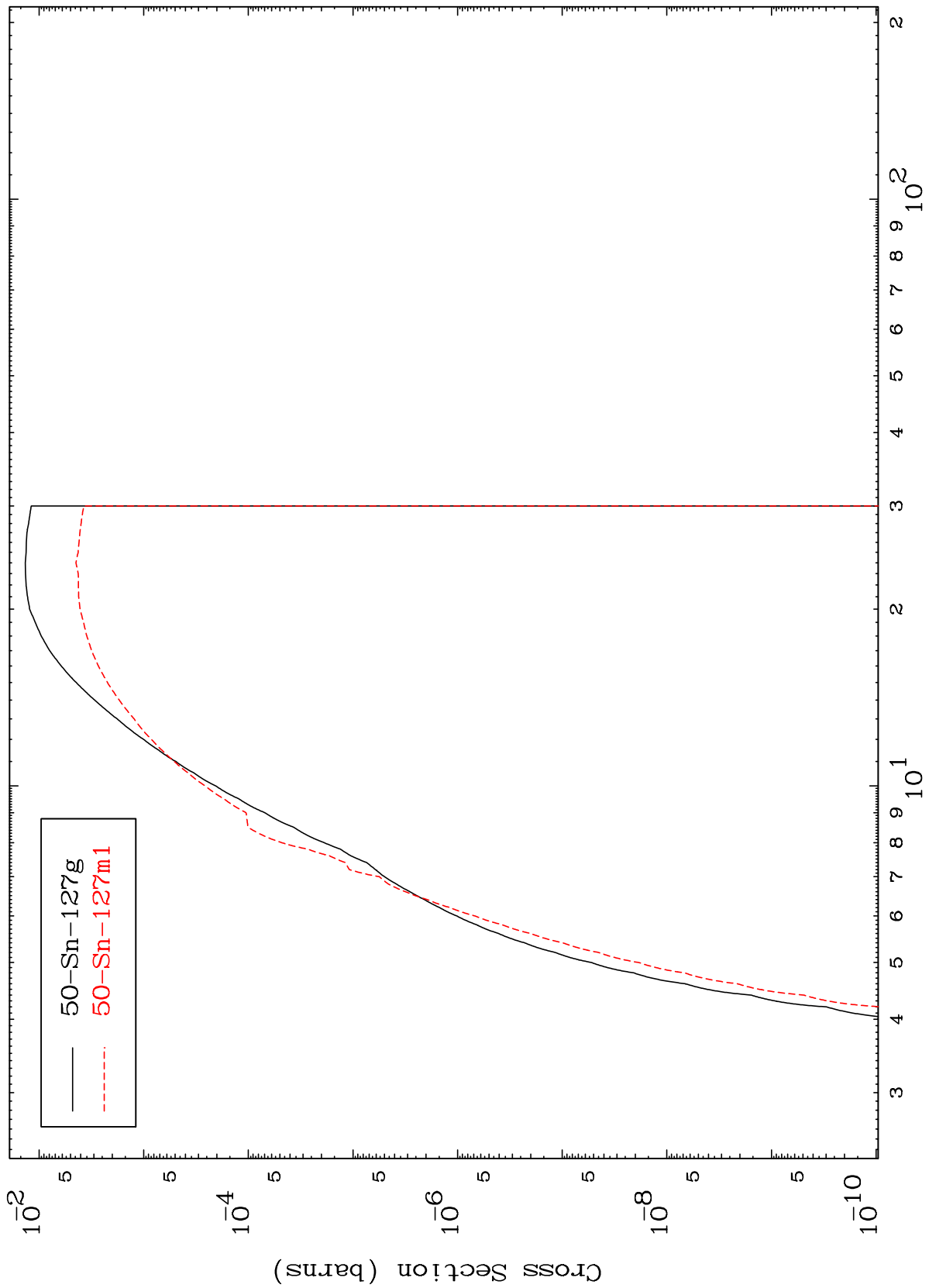
—	51-Sb-128g
- - -	51-Sb-128m1

147

MAT 5143

51-Sb-127

Radionuclide Production Cross Section (n,p)



148

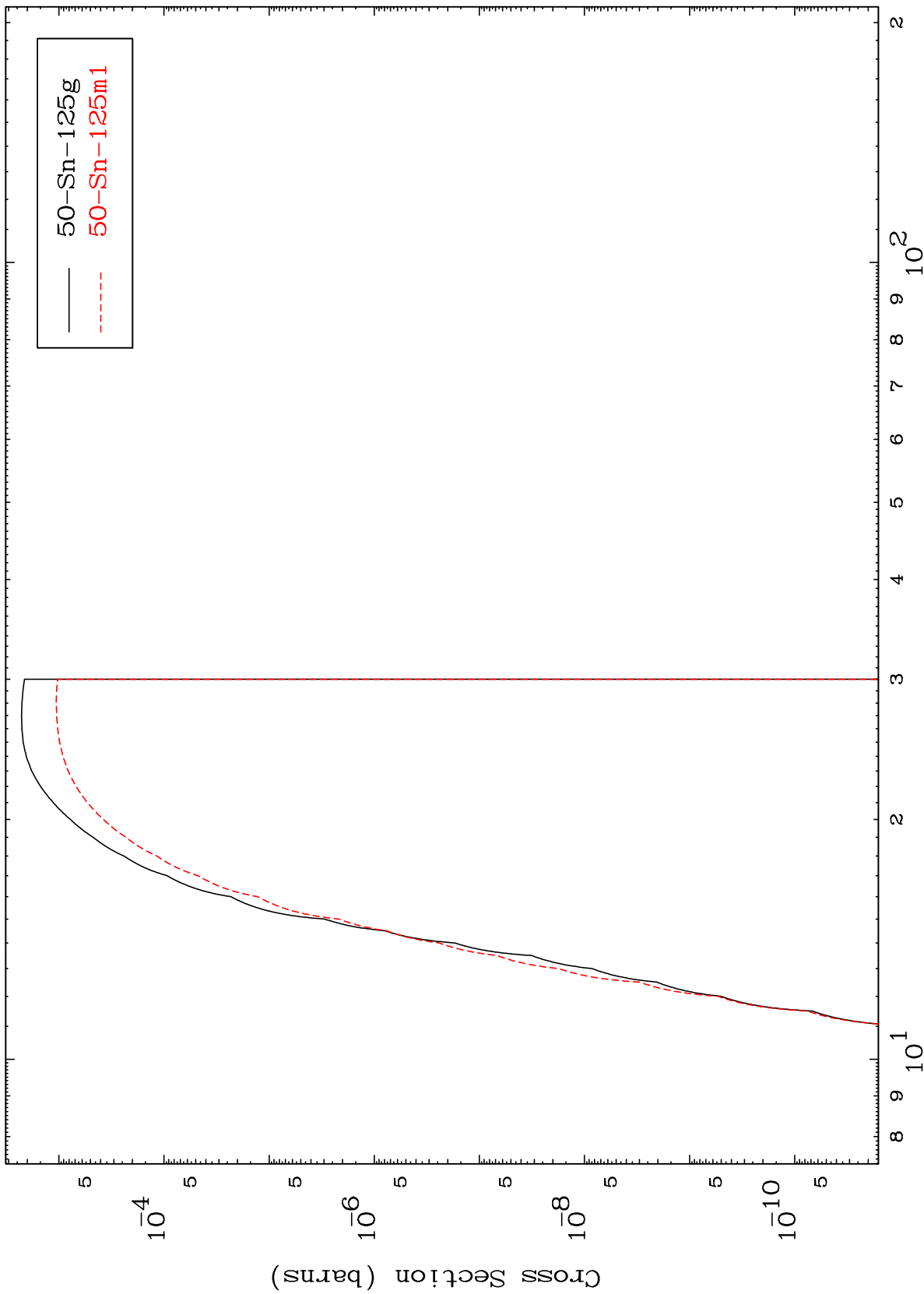
Incident Energy (MeV)

51-Sb-127

MAT 5143

51-Sb-127

(n,t)
Radionuclide Production Cross Section



149

Incident Energy (MeV)

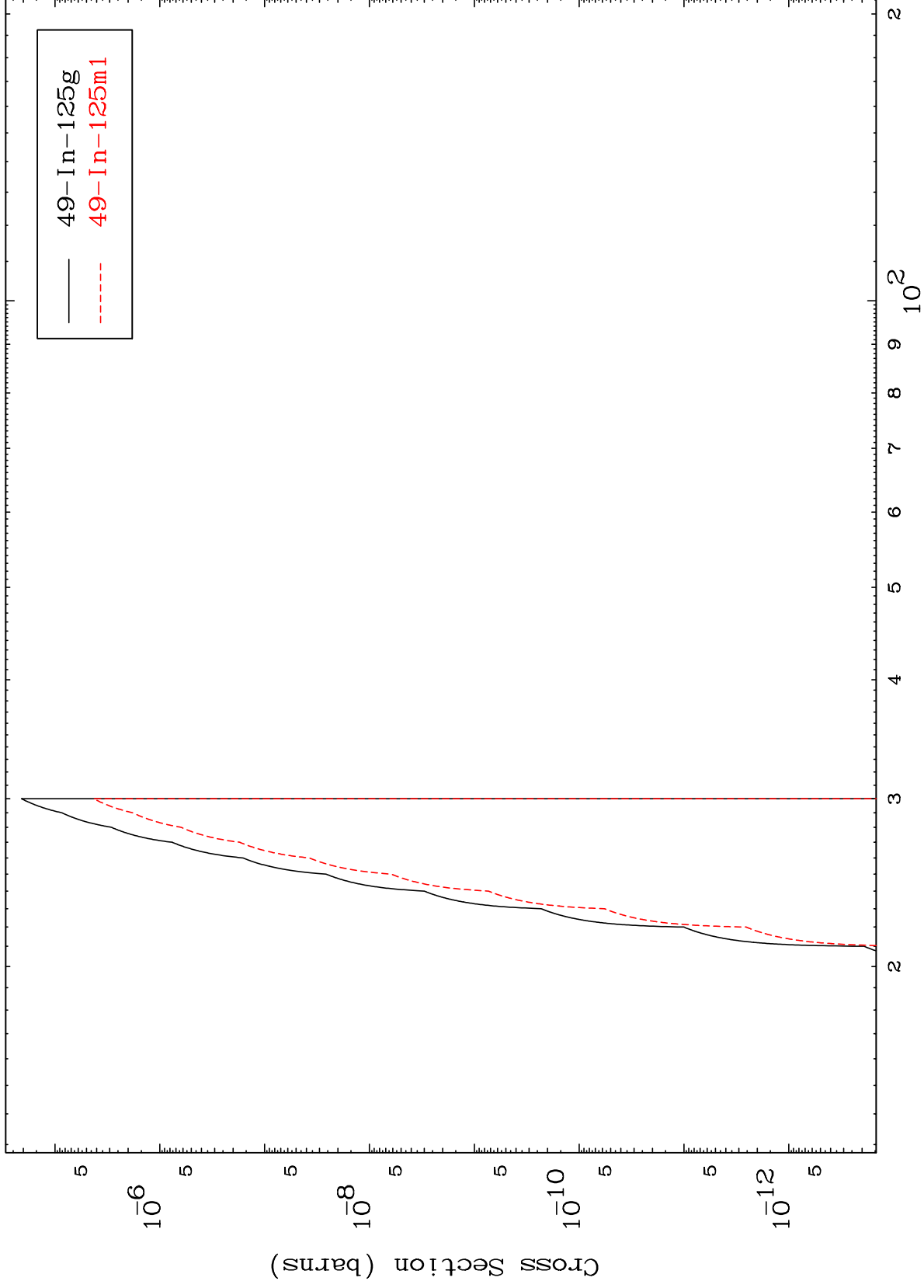
51-Sb-127

MAT 5143

(n,He-3)

51-Sb-127

Radionuclide Production Cross Section



150

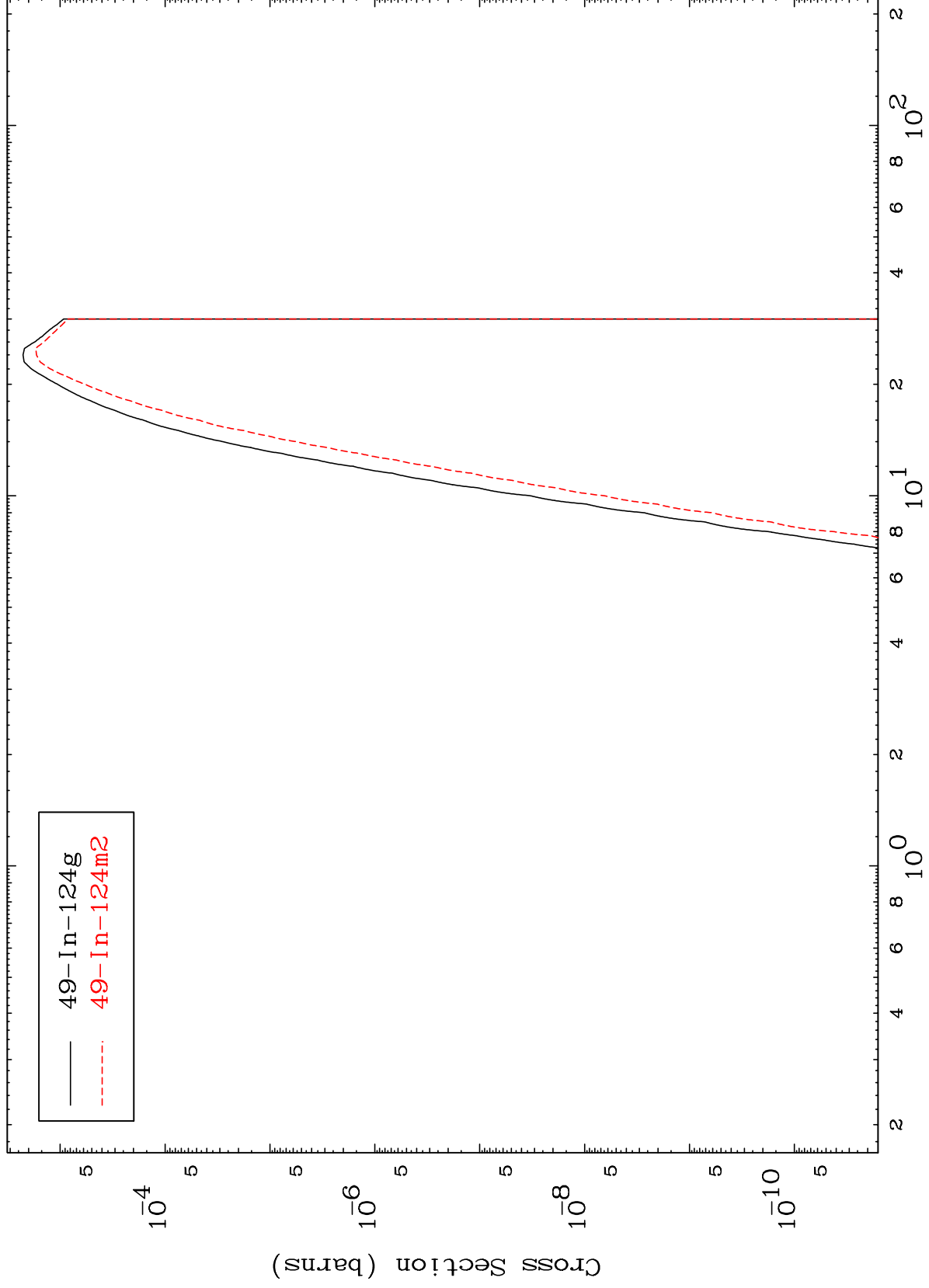
Incident Energy (MeV)

51-Sb-127

MAT 5143

51-Sb-127

Radionuclide Production Cross Section
(n, α)



151

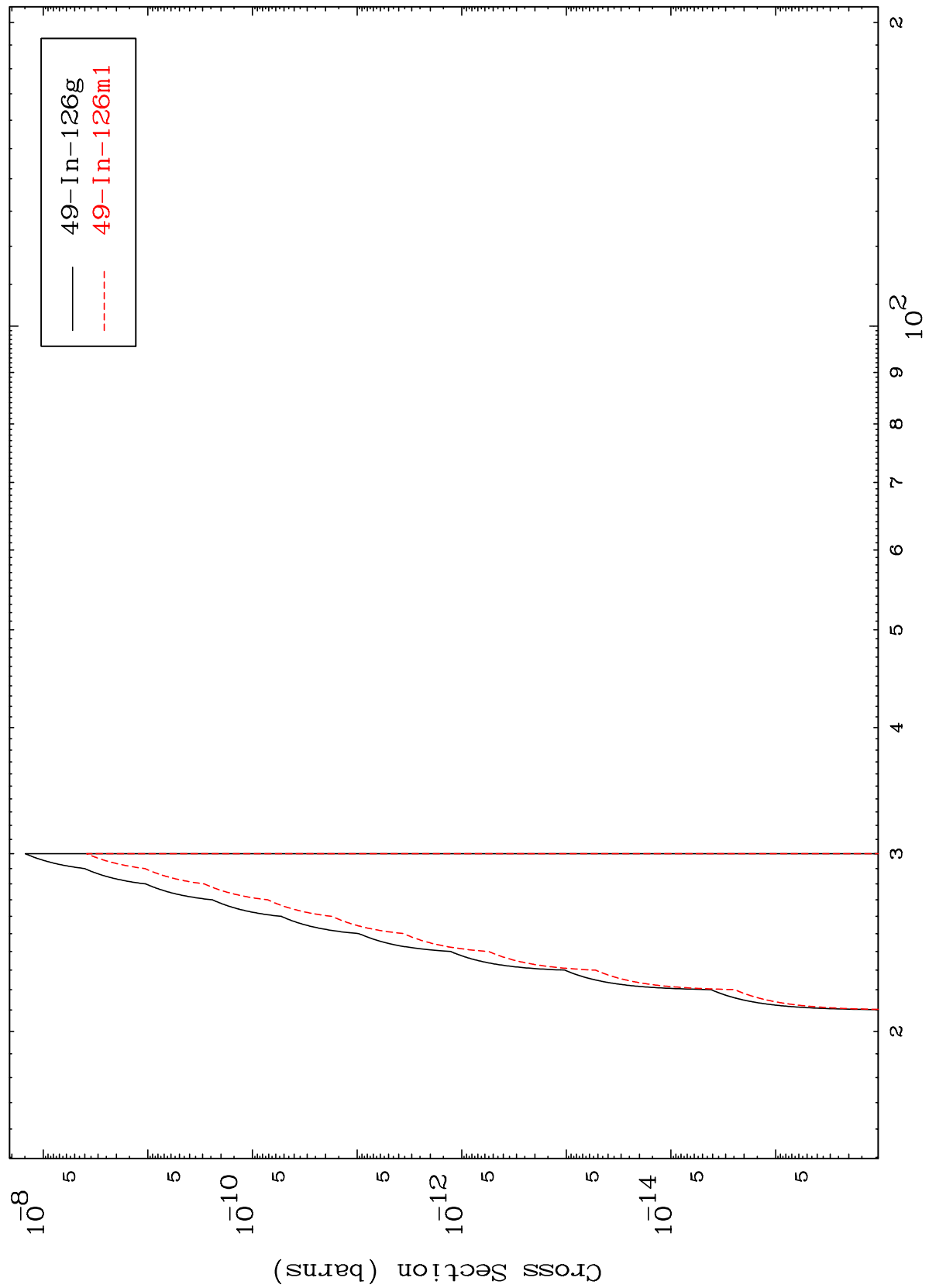
Incident Energy (MeV)

51-Sb-127

MAT 5143

51-Sb-127

(n,2p)
Radionuclide Production Cross Section



152

51-Sb-127

Incident Energy (MeV)