

Program EVALPLOT
(Version 2017-1)

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

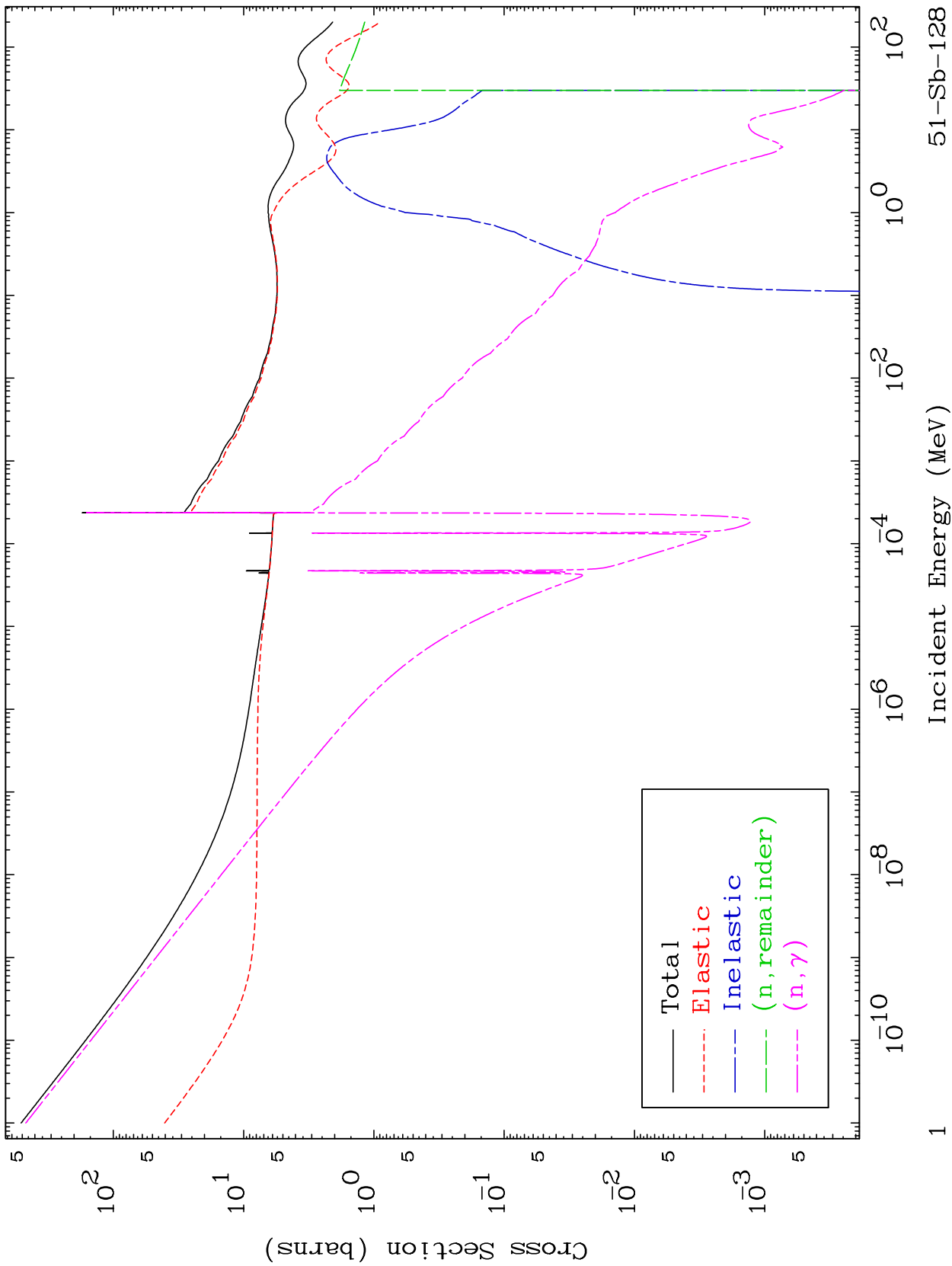
Press Mouse Button to Start

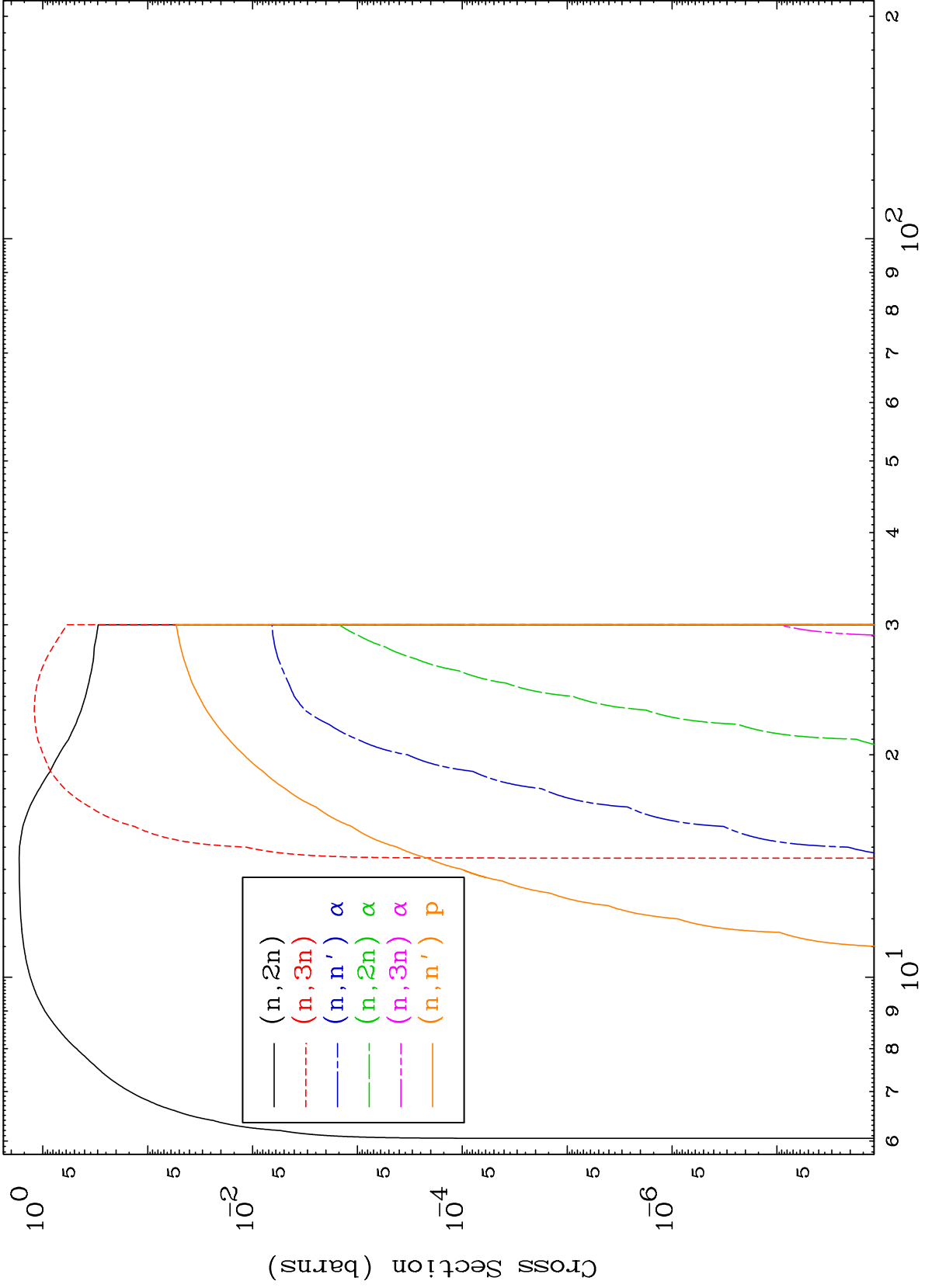
MAT 5146

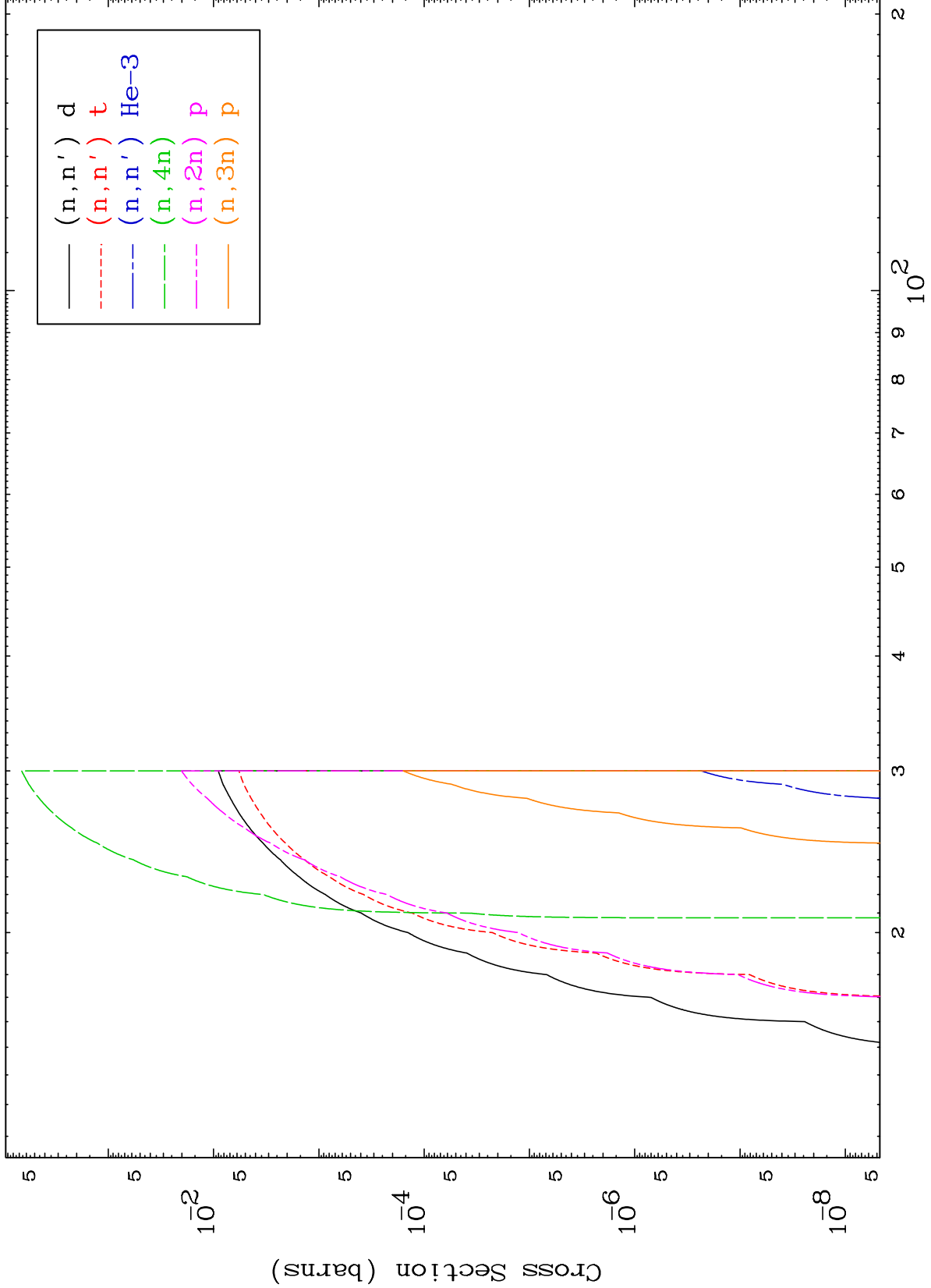
Major

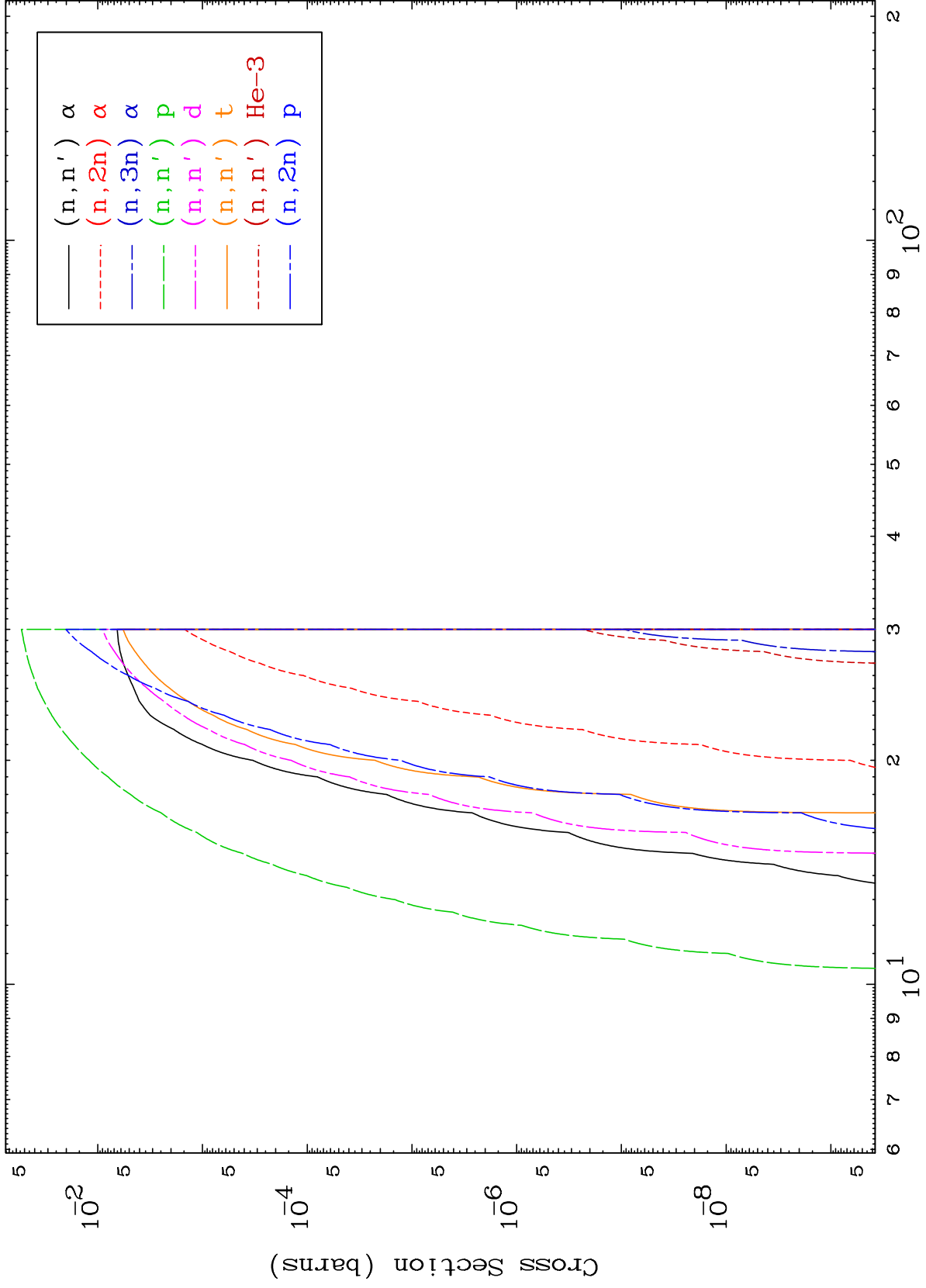
293 Kelvin Cross Sections

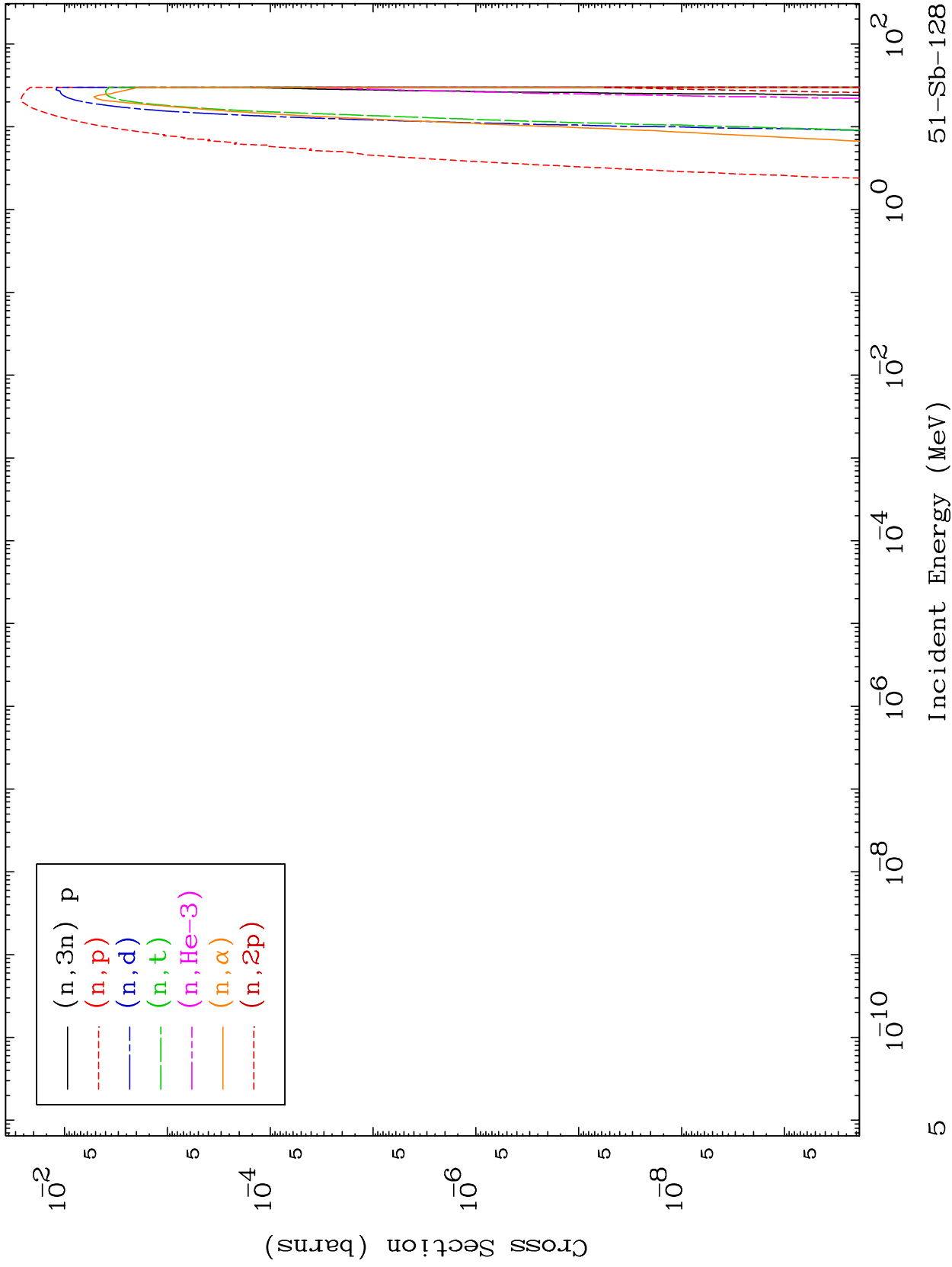
51-Sb-128







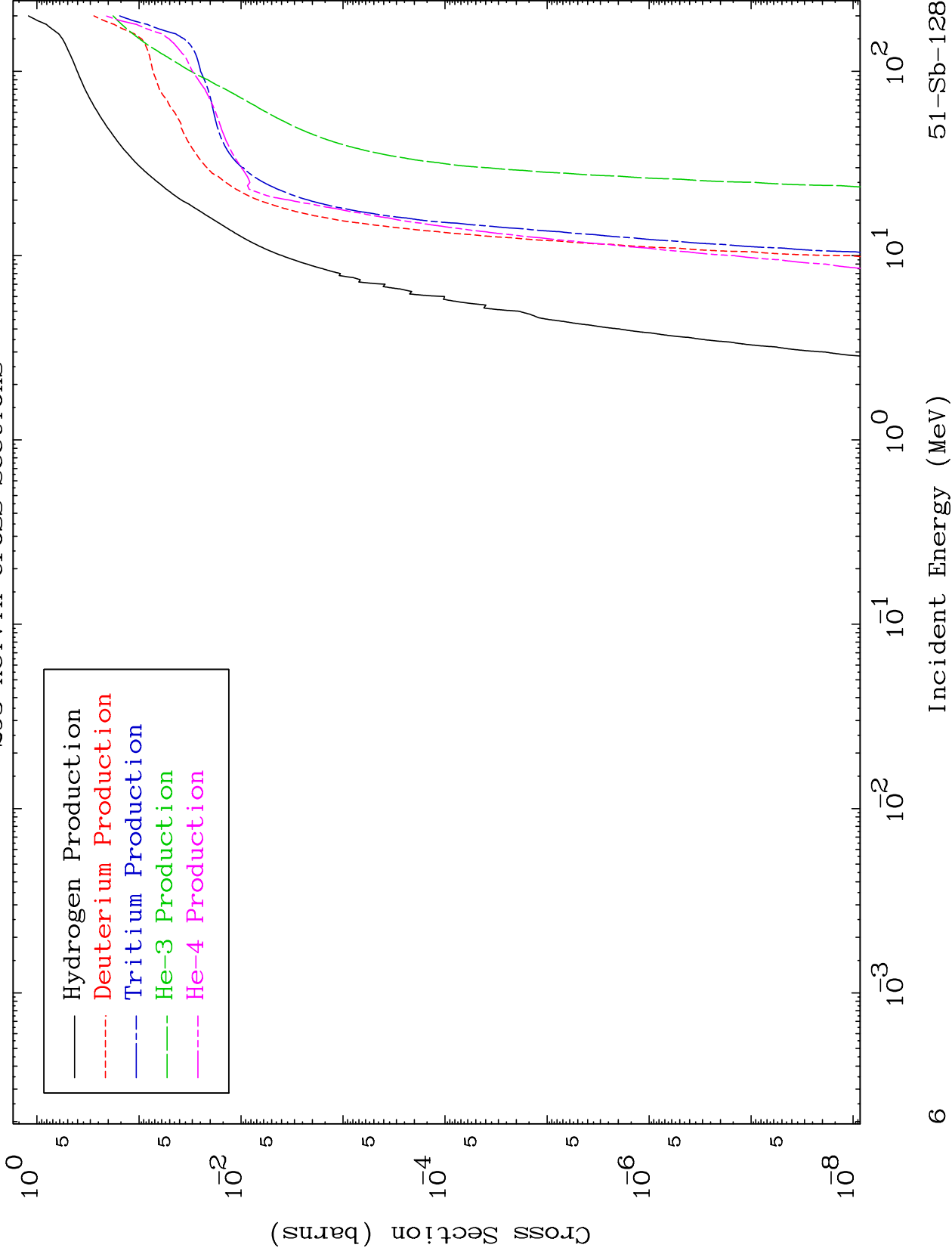




MAT 5146

Particle Production
293 Kelvin Cross Sections

51-Sb-128

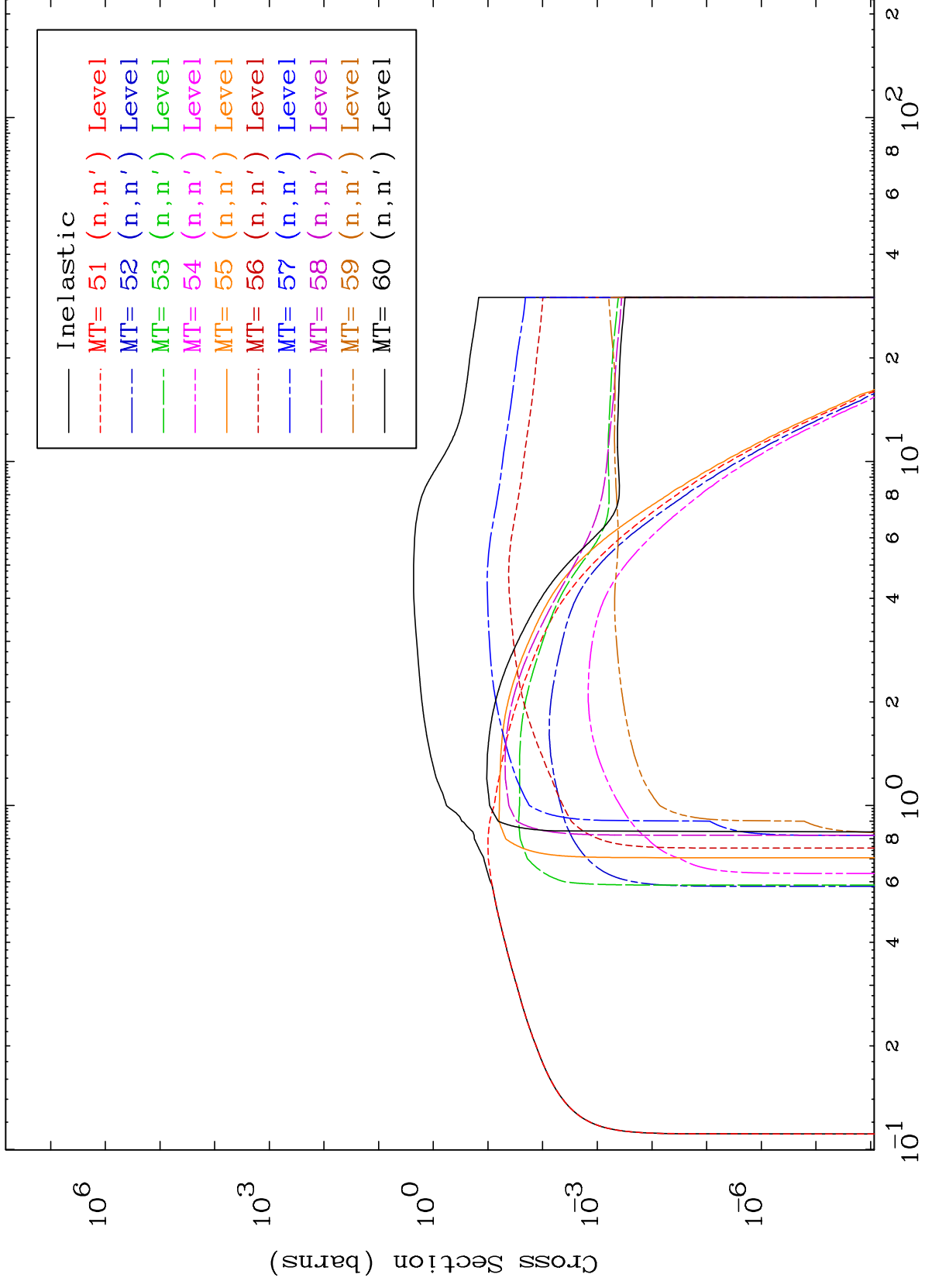


MAT 5146

(n,n') Level

51-Sb-128

293 Kelvin Cross Sections



Incident Energy (MeV)

51-Sb-128

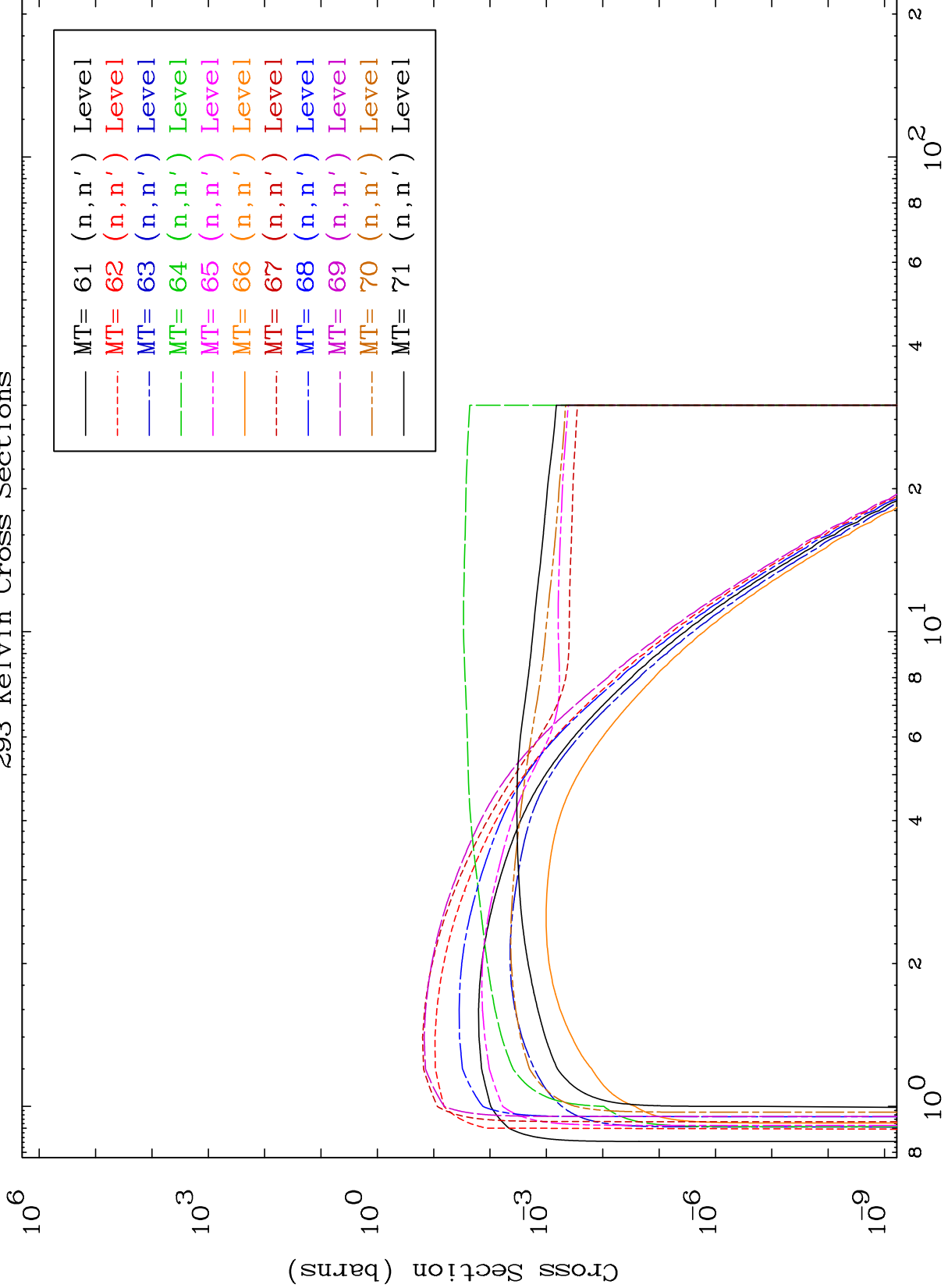
7

MAT 5146

(n,n') Level

51-Sb-128

293 Kelvin Cross Sections



Incident Energy (MeV)

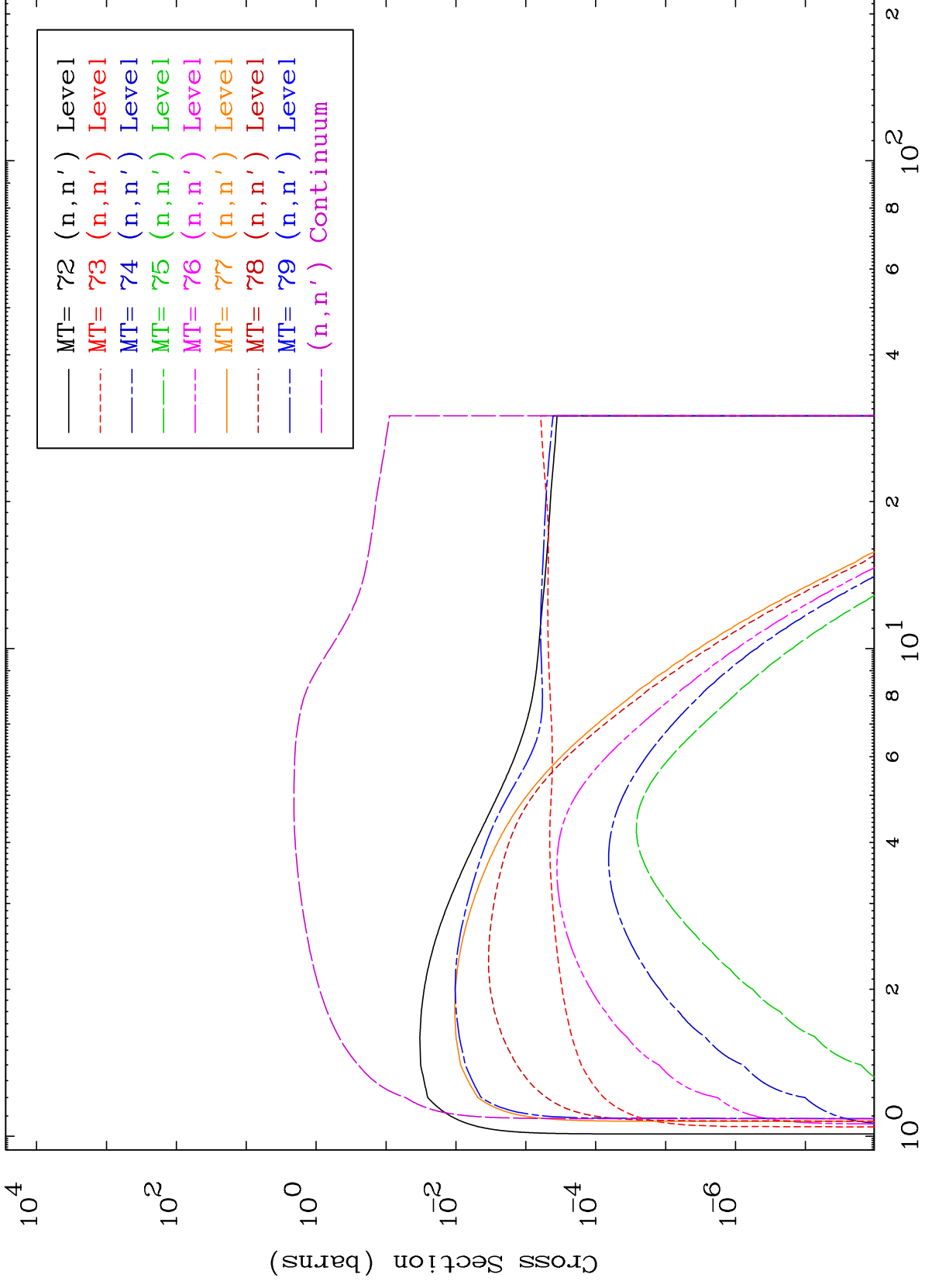
51-Sb-128

MAT 5146

(n,n') Level

51-Sb-128

293 Kelvin Cross Sections



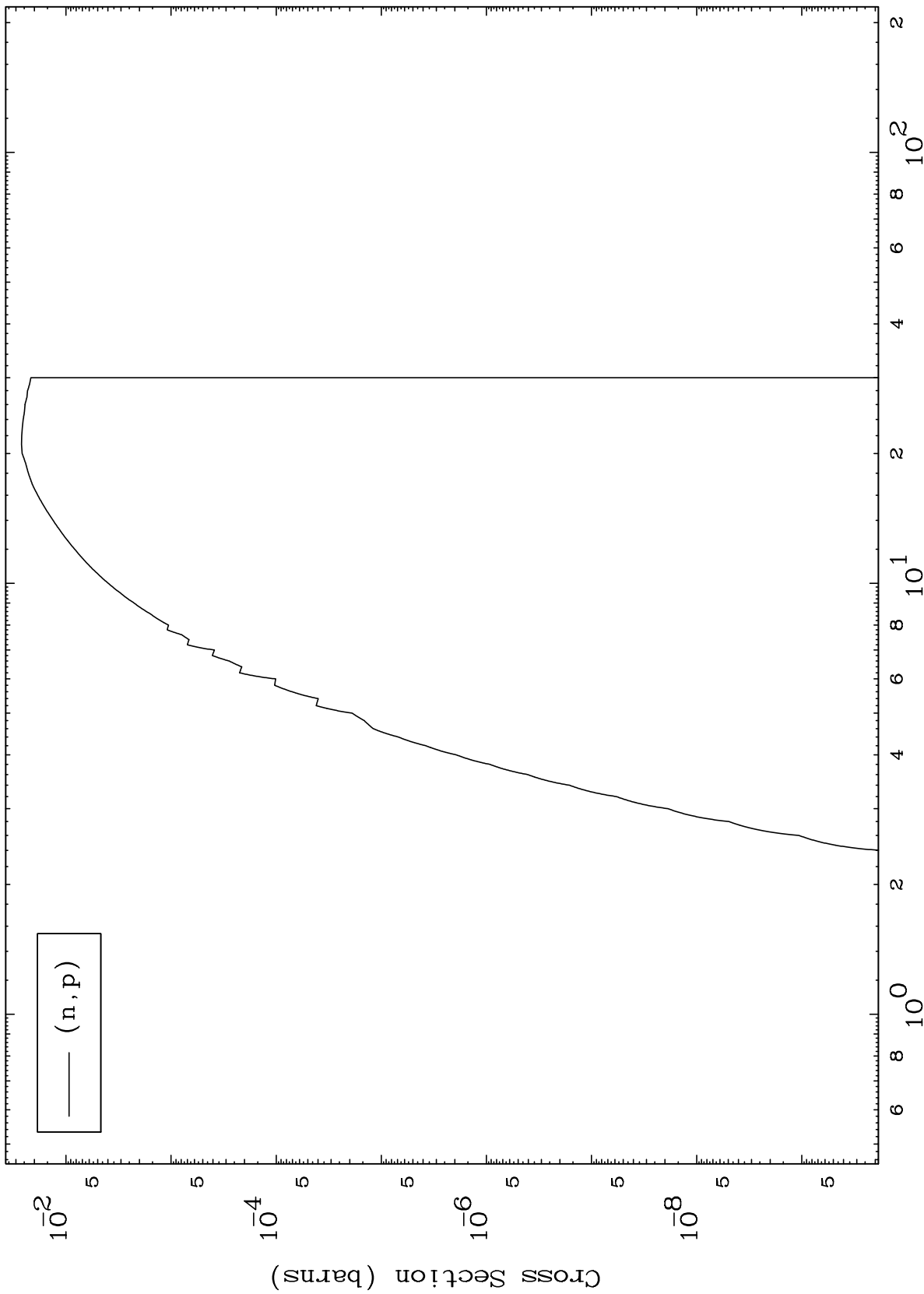
Incident Energy (MeV)

51-Sb-128

MAT 5146

(n,p) Levels
293 Kelvin Cross Sections

51-Sb-128



10

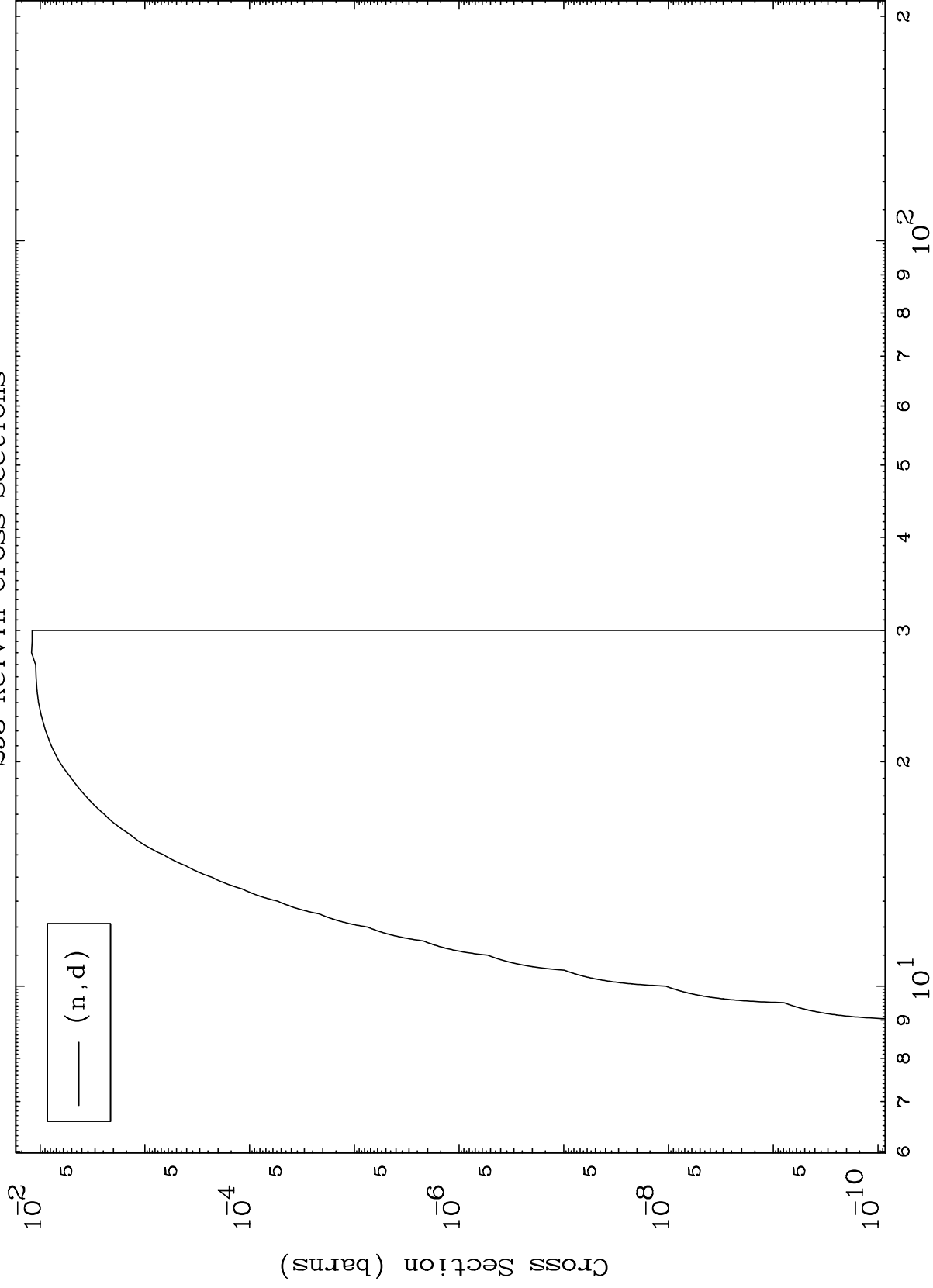
Incident Energy (MeV)

51-Sb-128

MAT 5146

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-128



11

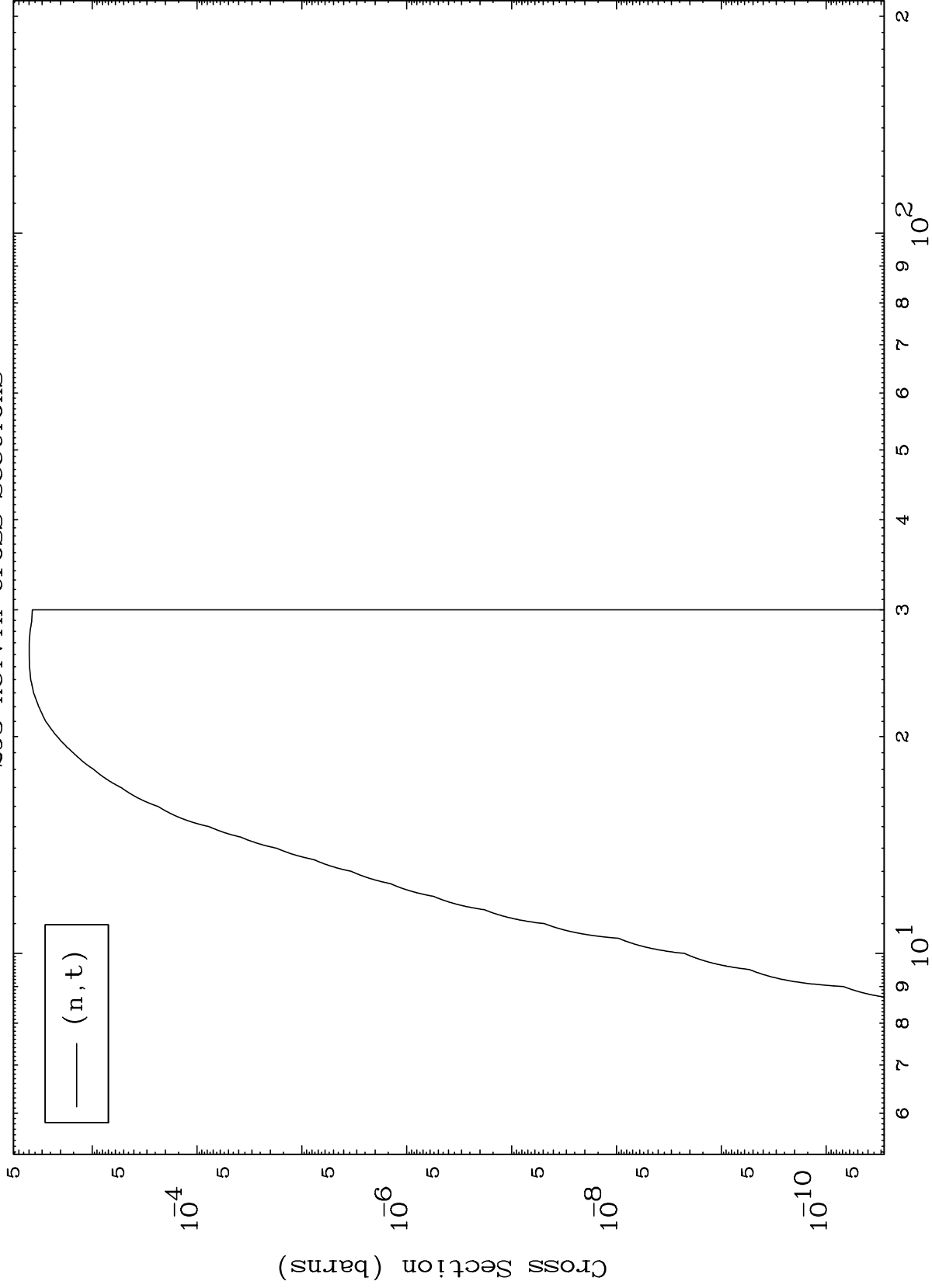
Incident Energy (MeV)

51-Sb-128

MAT 5146

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-128



12

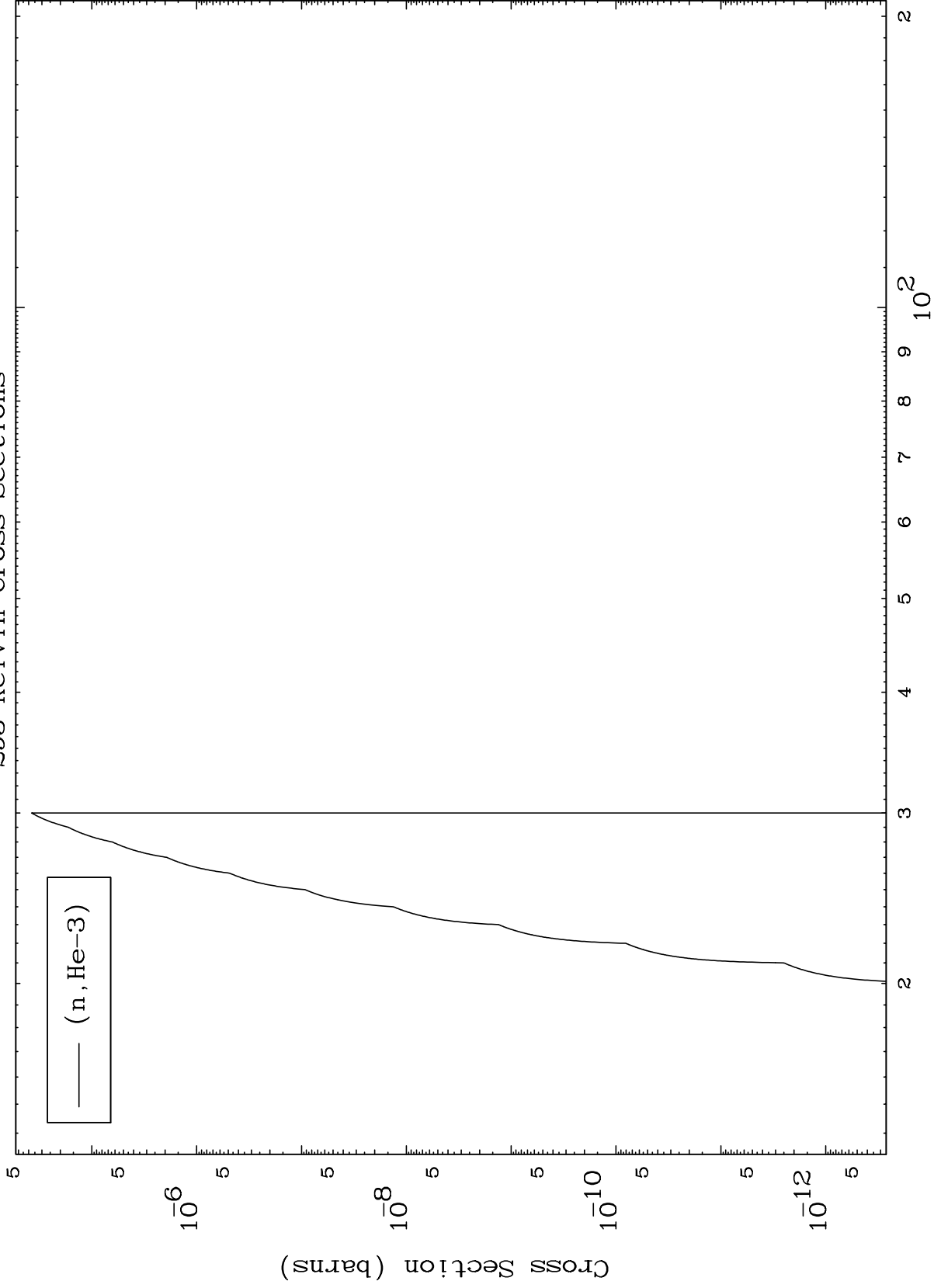
Incident Energy (MeV)

51-Sb-128

MAT 5146

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-128



13

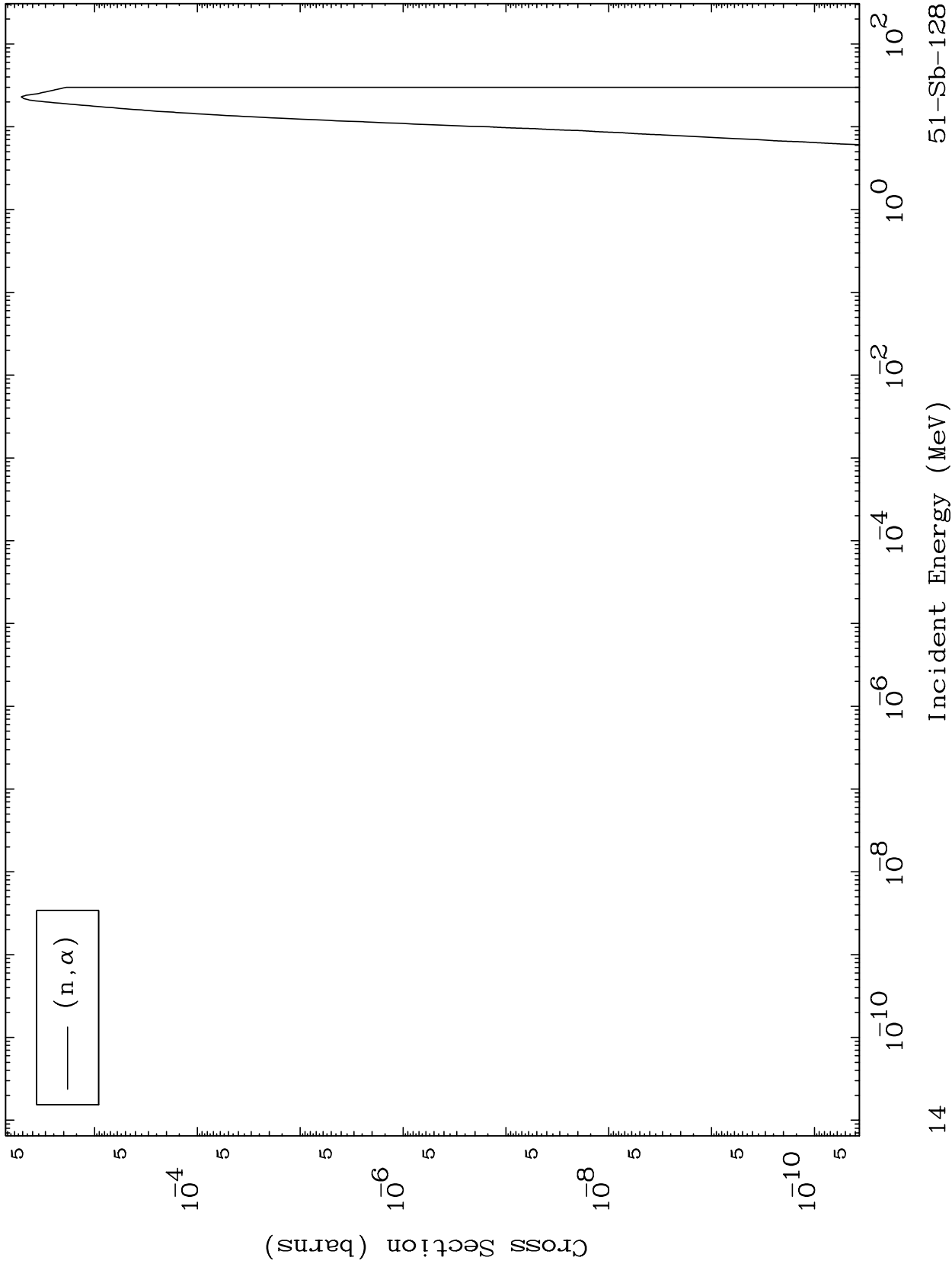
Incident Energy (MeV)

51-Sb-128

MAT 5146

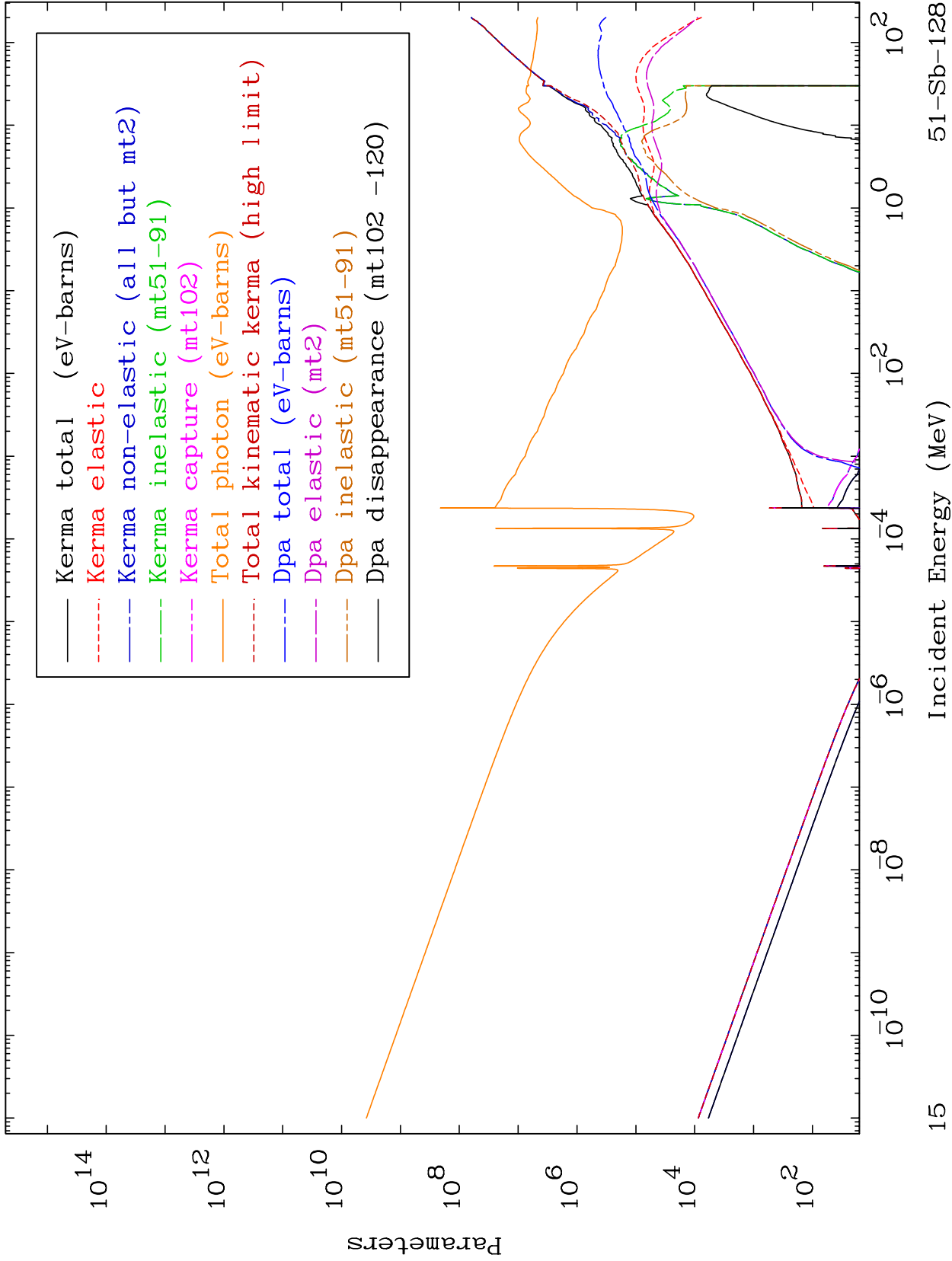
(n, α) Levels
293 Kelvin Cross Sections

51-Sb-128



14

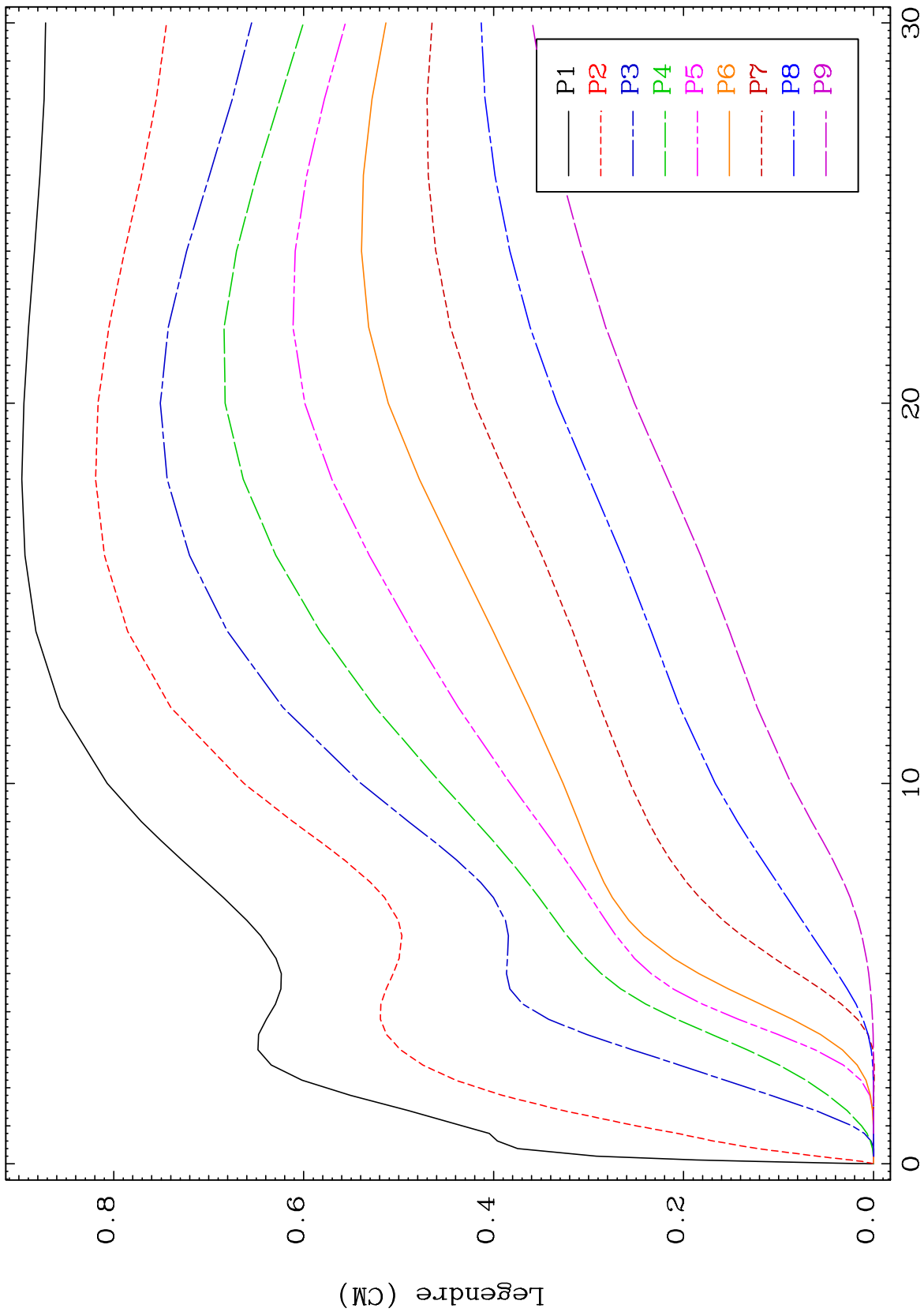
51-Sb-128



MAT 5146

51-Sb-128

Elastic Legendre Coefficients



16

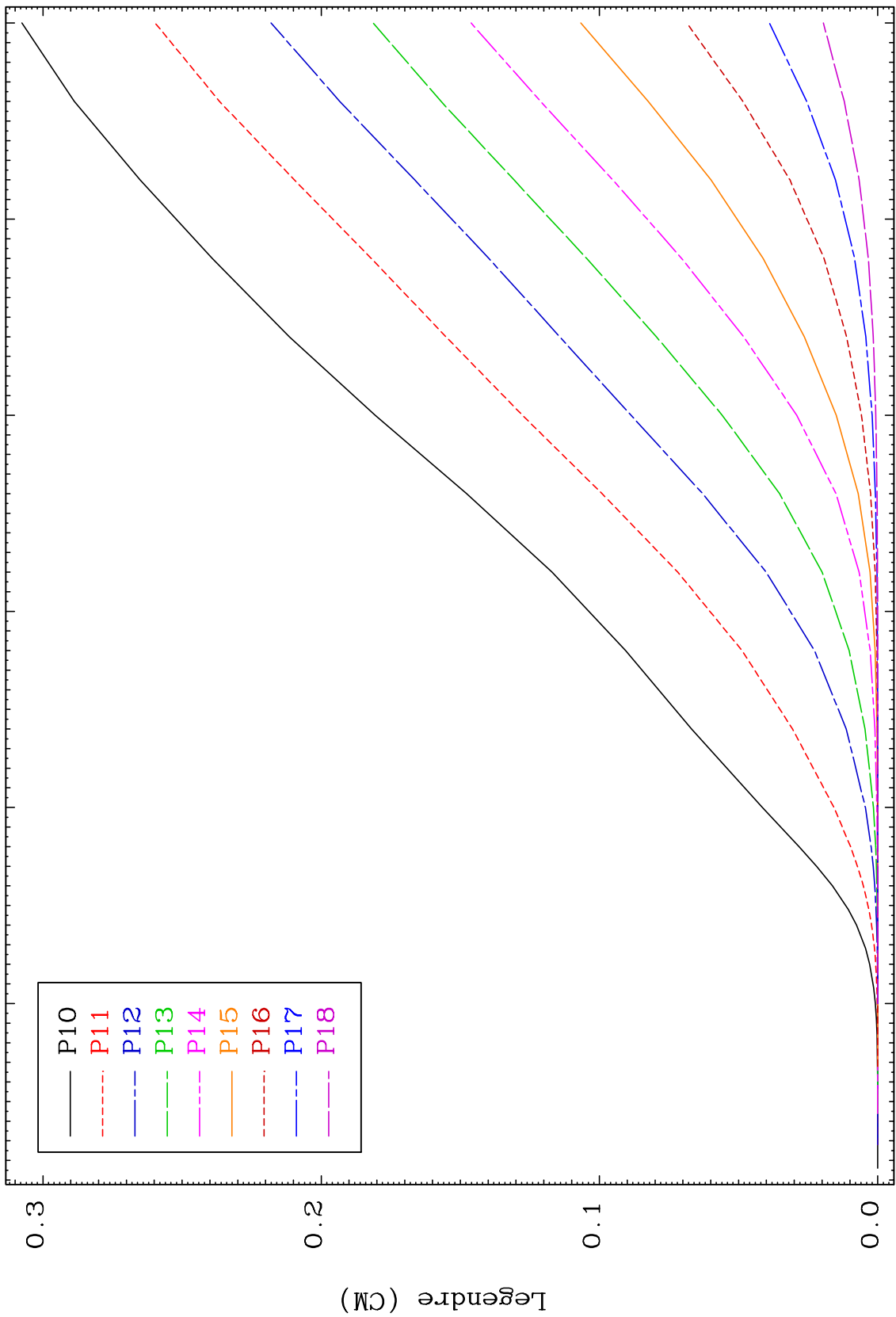
Incident Energy (MeV)

51-Sb-128

MAT 5146

Elastic Legendre Coefficients

51-Sb-128



17

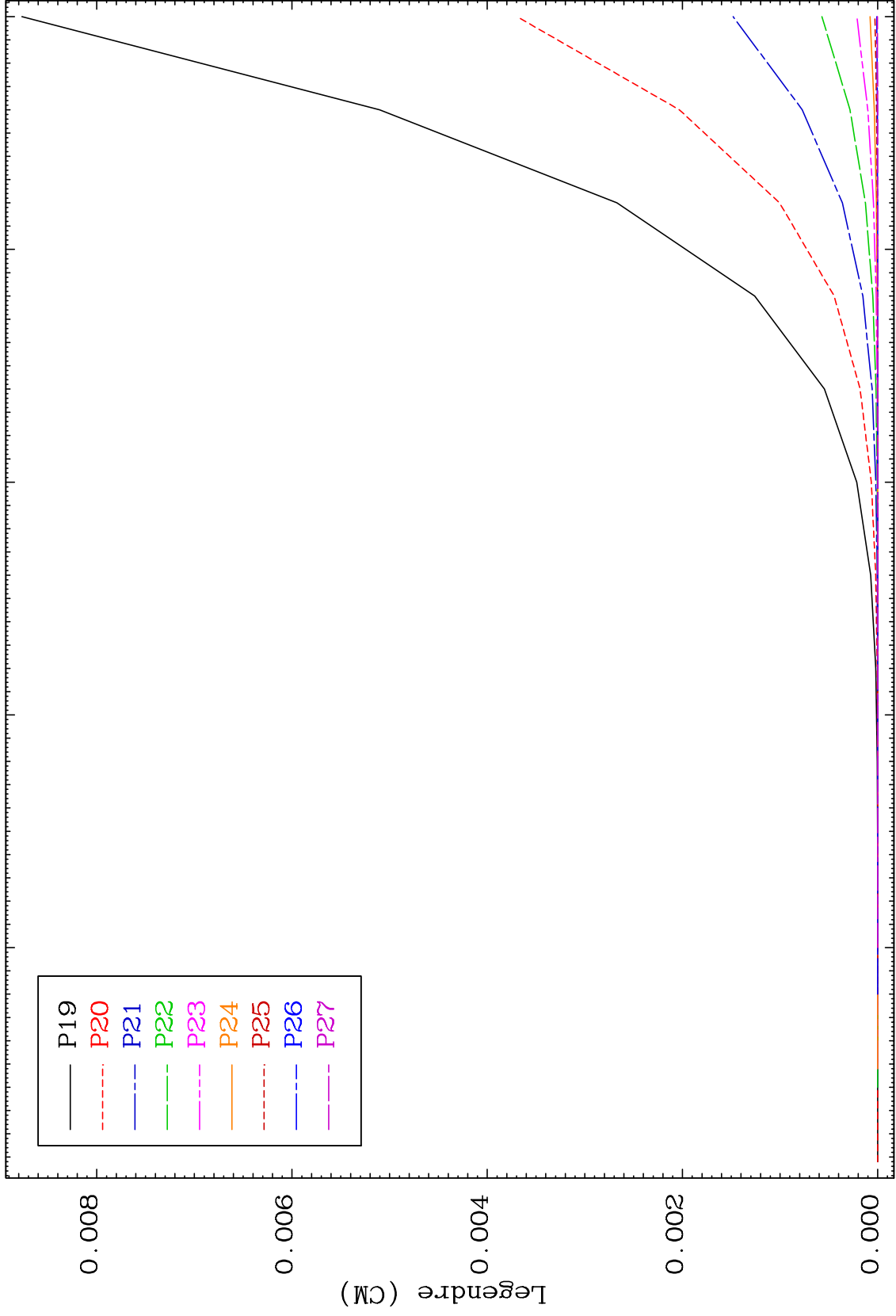
51-Sb-128

Incident Energy (MeV)

MAT 5146

Elastic Legendre Coefficients

51-Sb-128



18

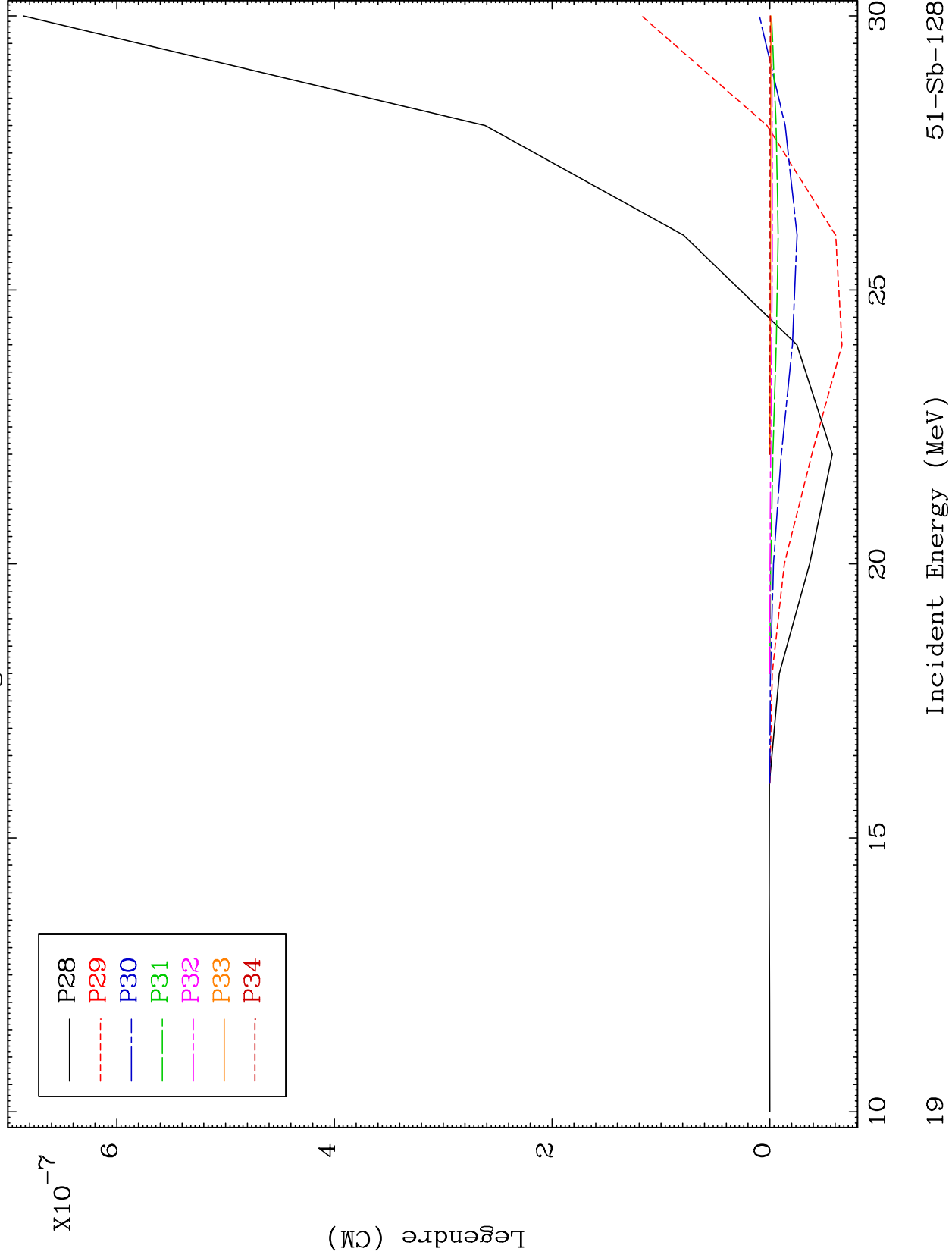
Incident Energy (MeV)

51-Sb-128

MAT 5146

Elastic Legendre Coefficients

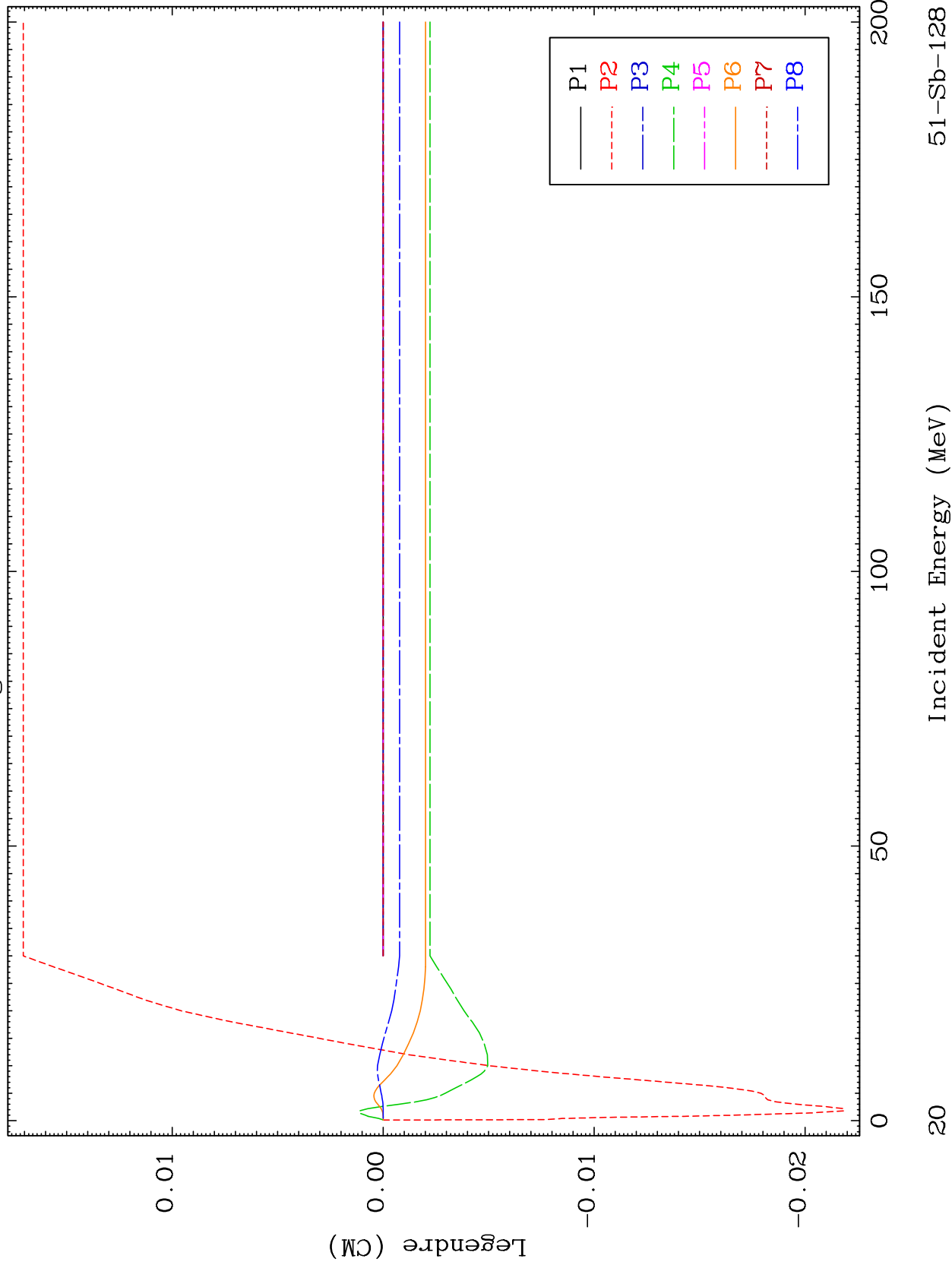
51-Sb-128



MAT 5146

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

51-Sb-128

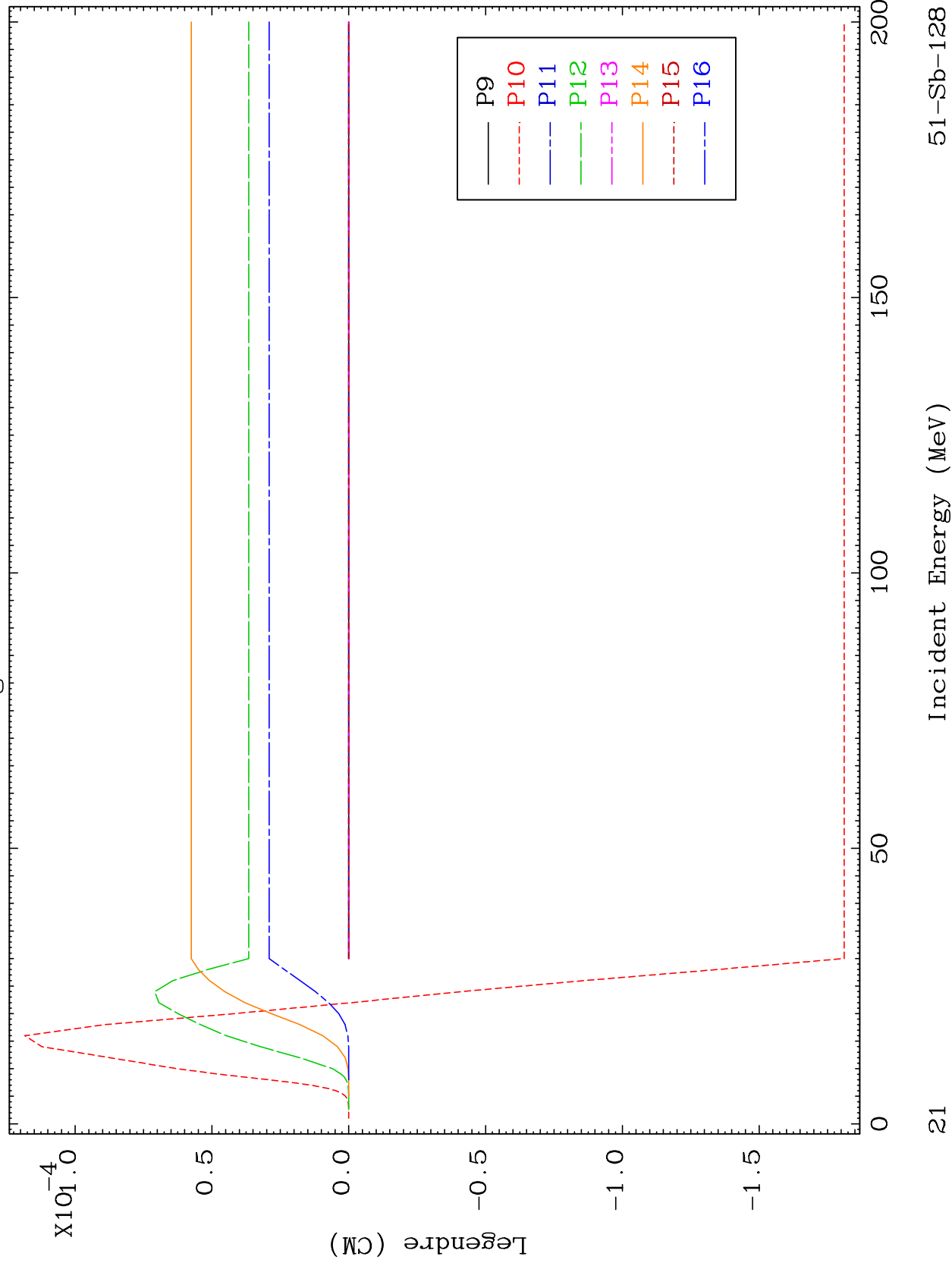


51-Sb-128

MAT 5146

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

51-Sb-128



51-Sb-128

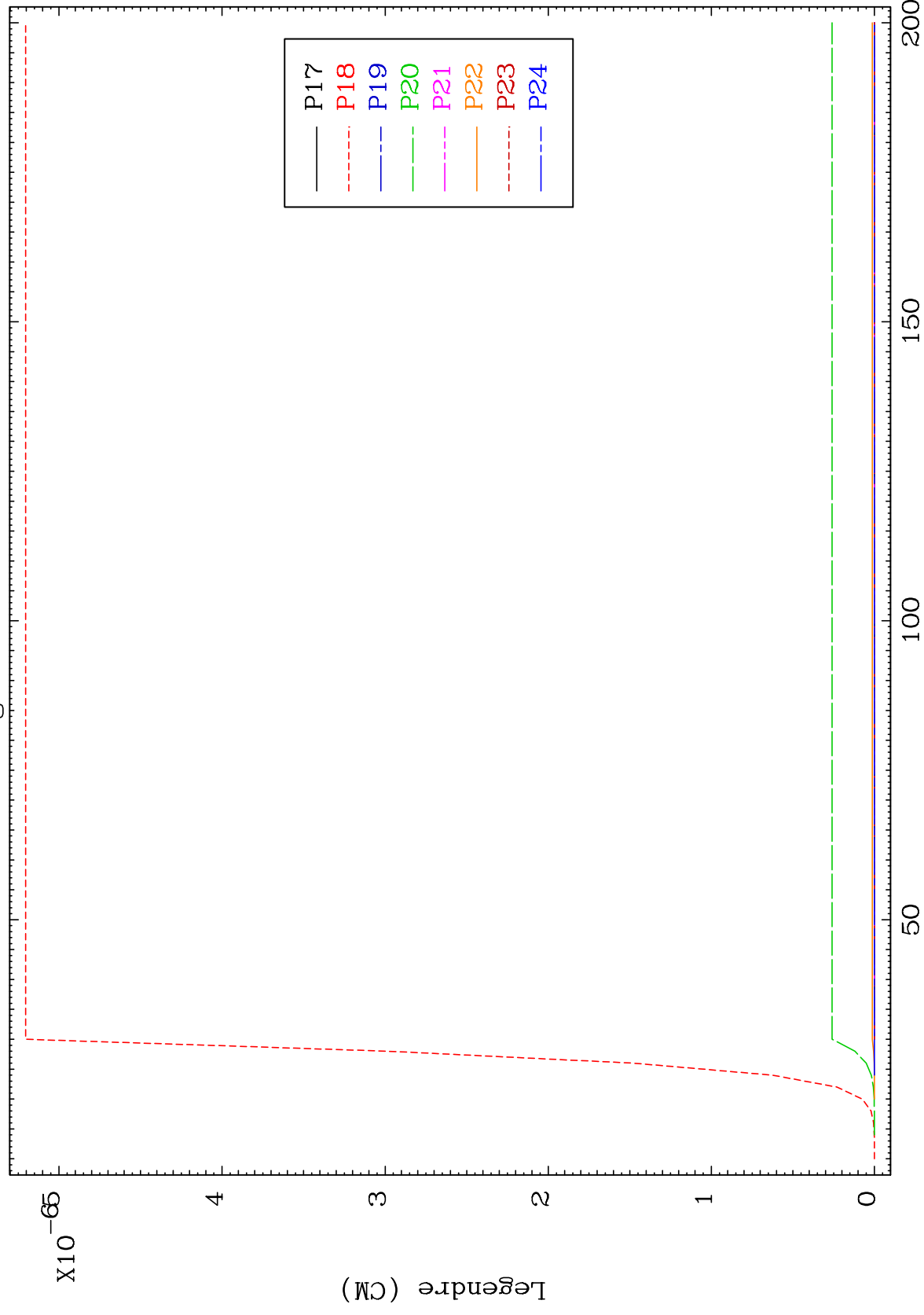
Incident Energy (MeV)

21

MAT 5146

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

51-Sb-128



22

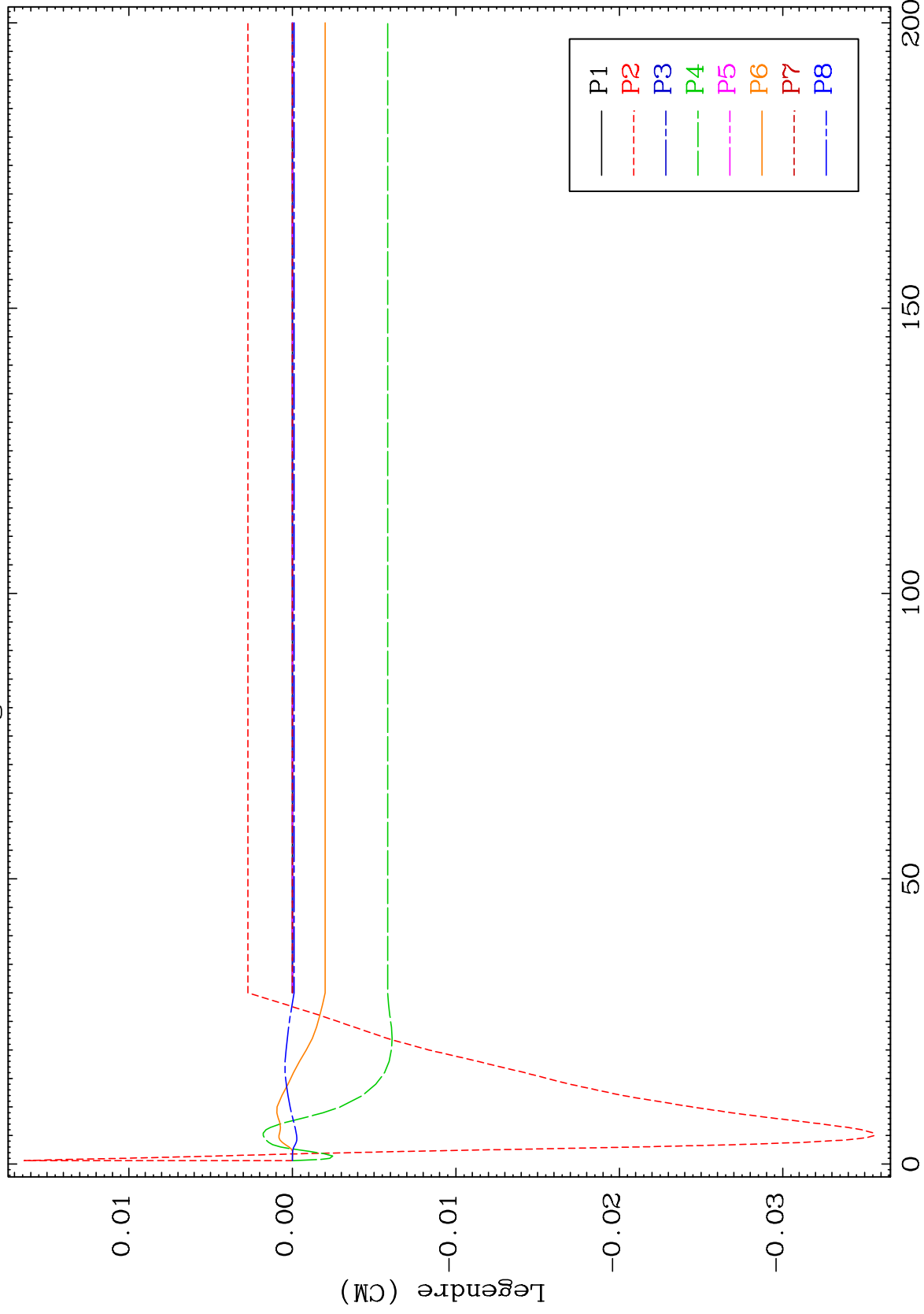
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



23

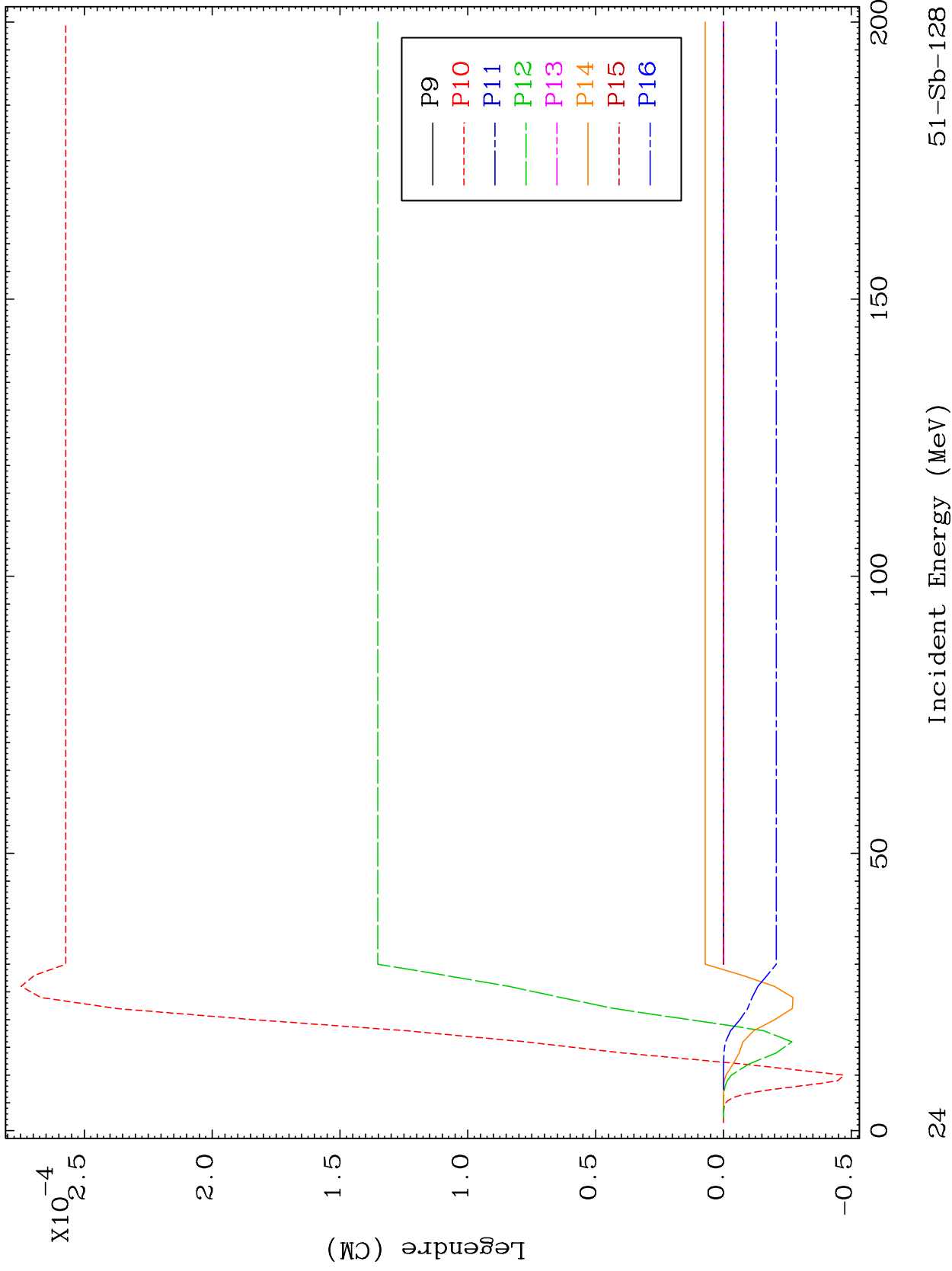
Incident Energy (MeV)

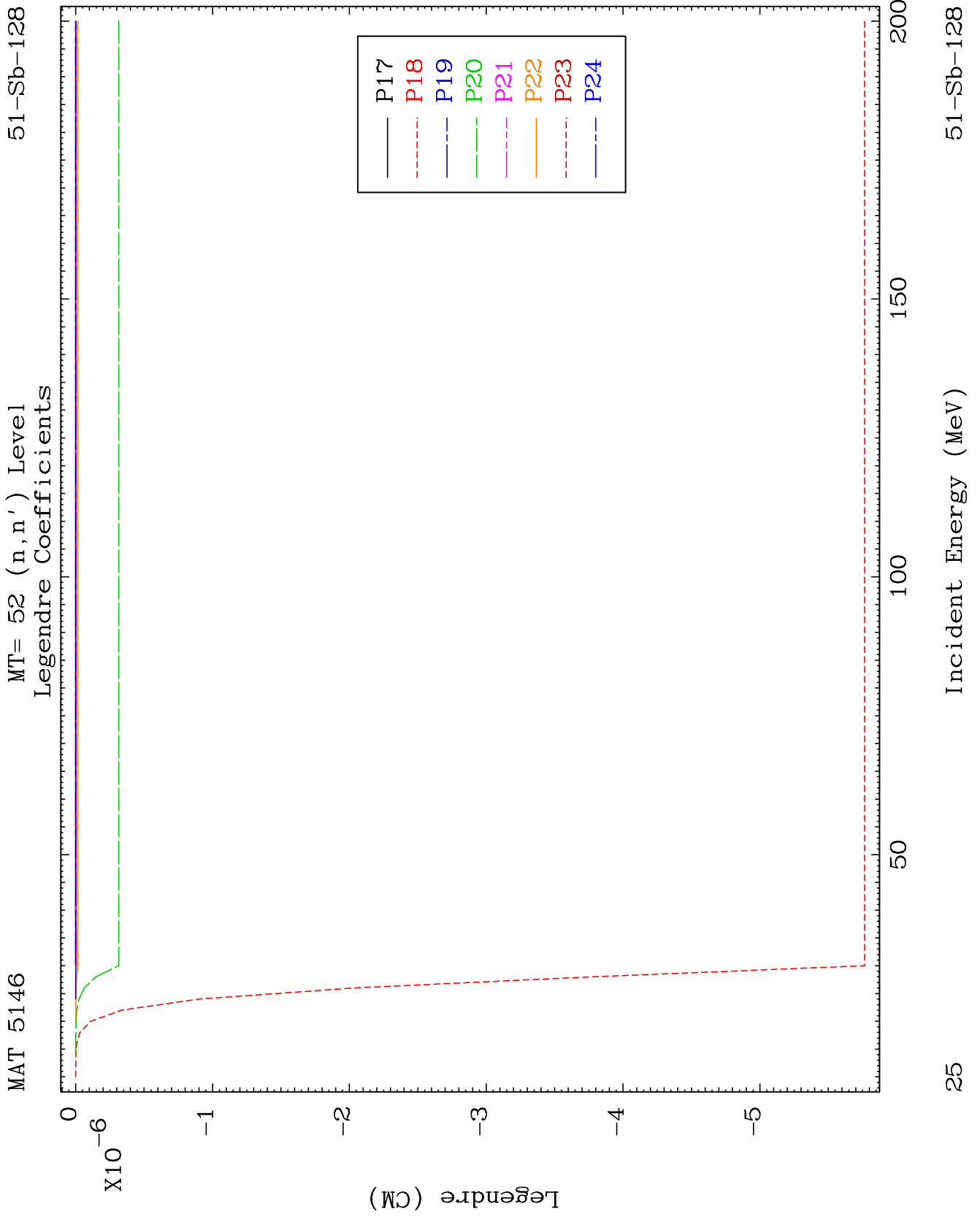
51-Sb-128

MAT 5146

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

51-Sb-128

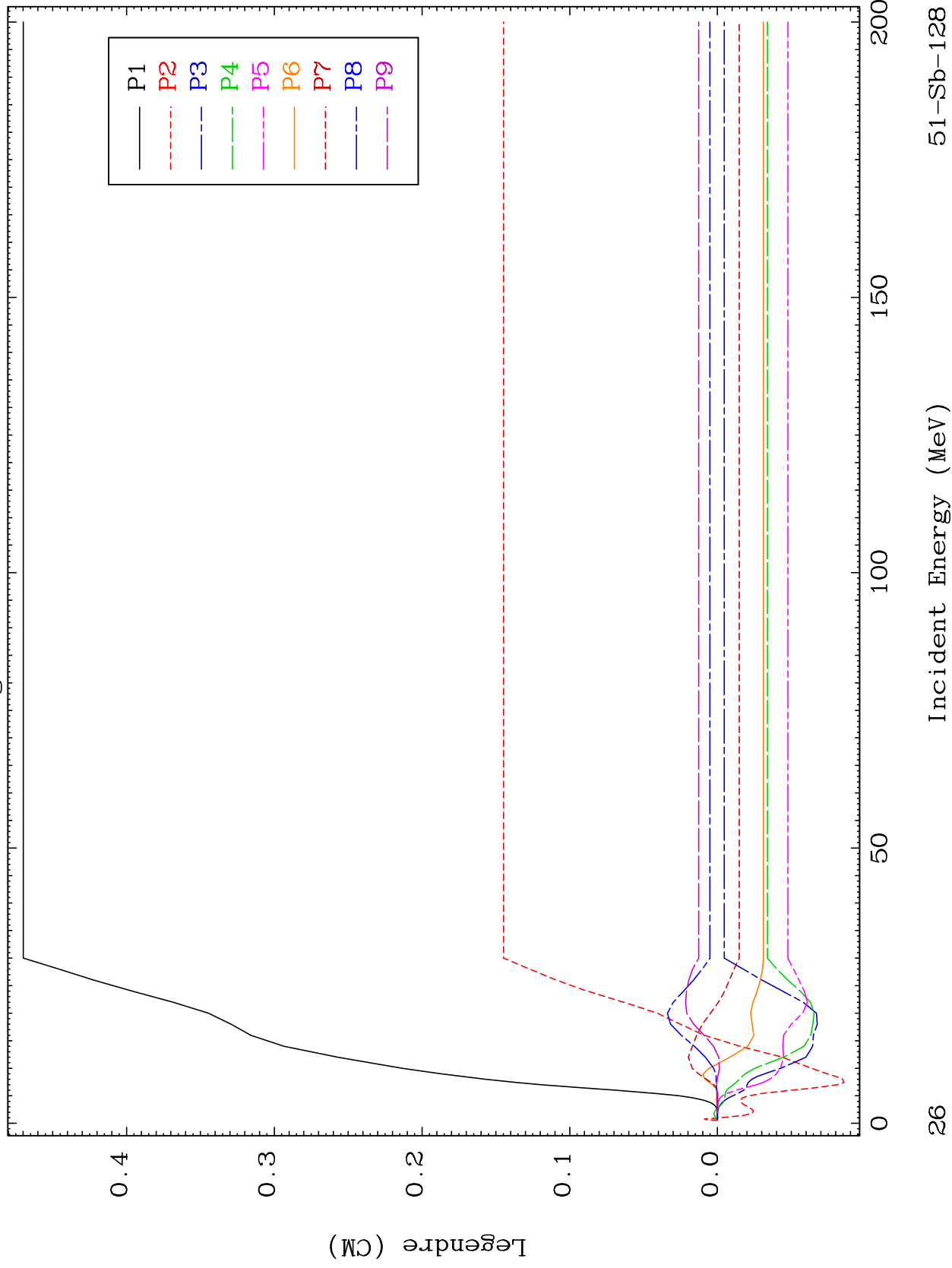




MAT 5146

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

51-Sb-128



51-Sb-128

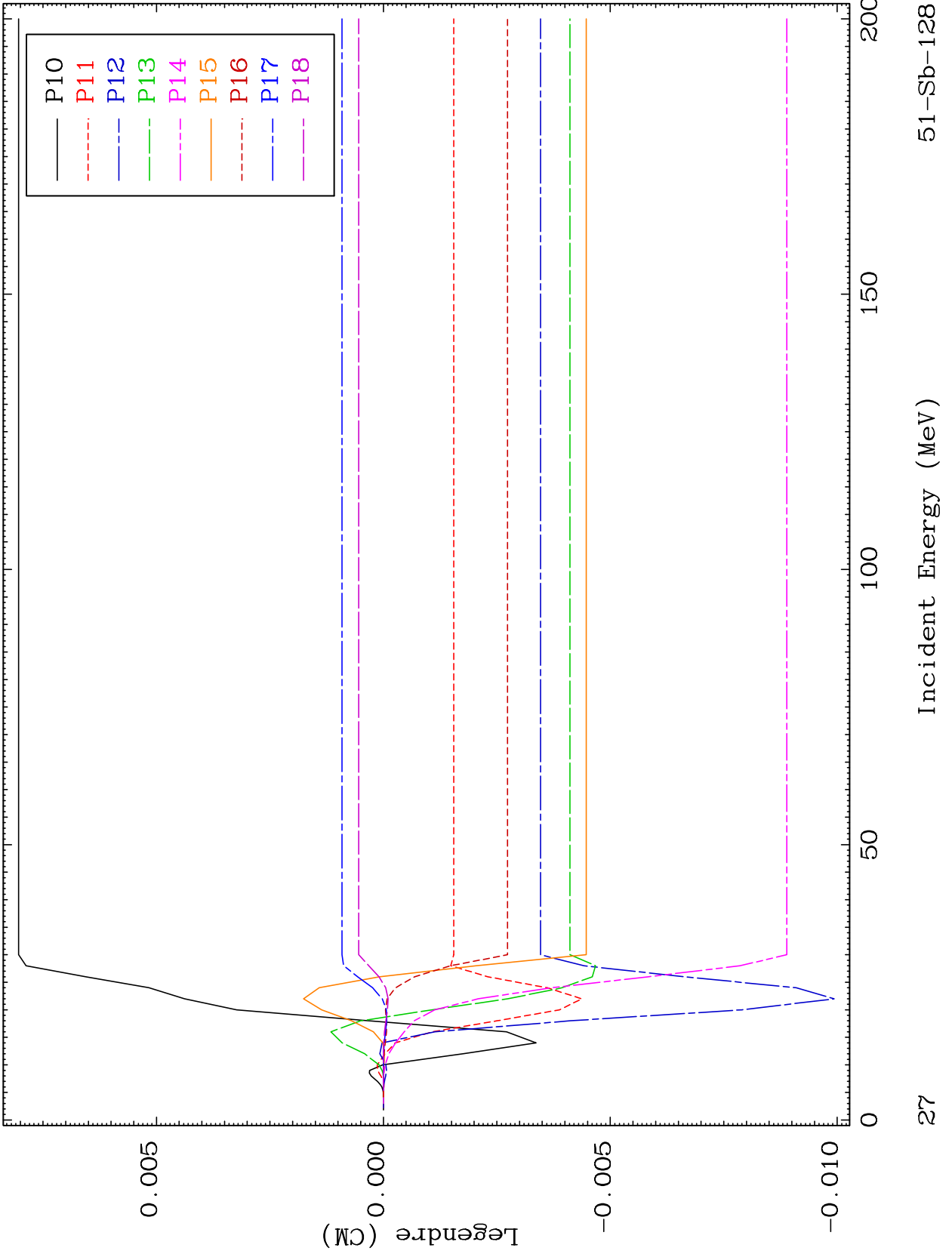
Incident Energy (MeV)

26

MAT 5146

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

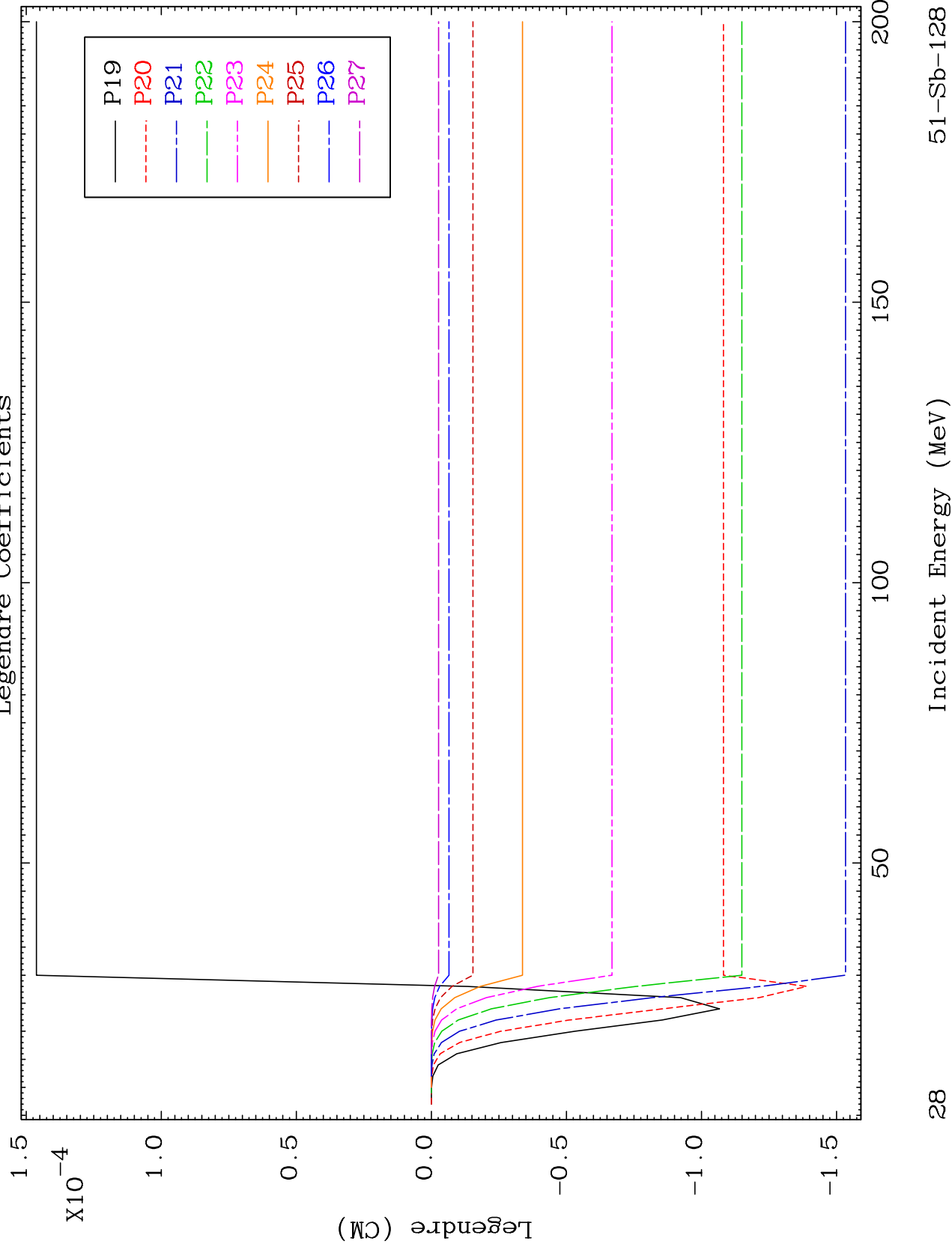
51-Sb-128



27

Incident Energy (MeV)

51-Sb-128

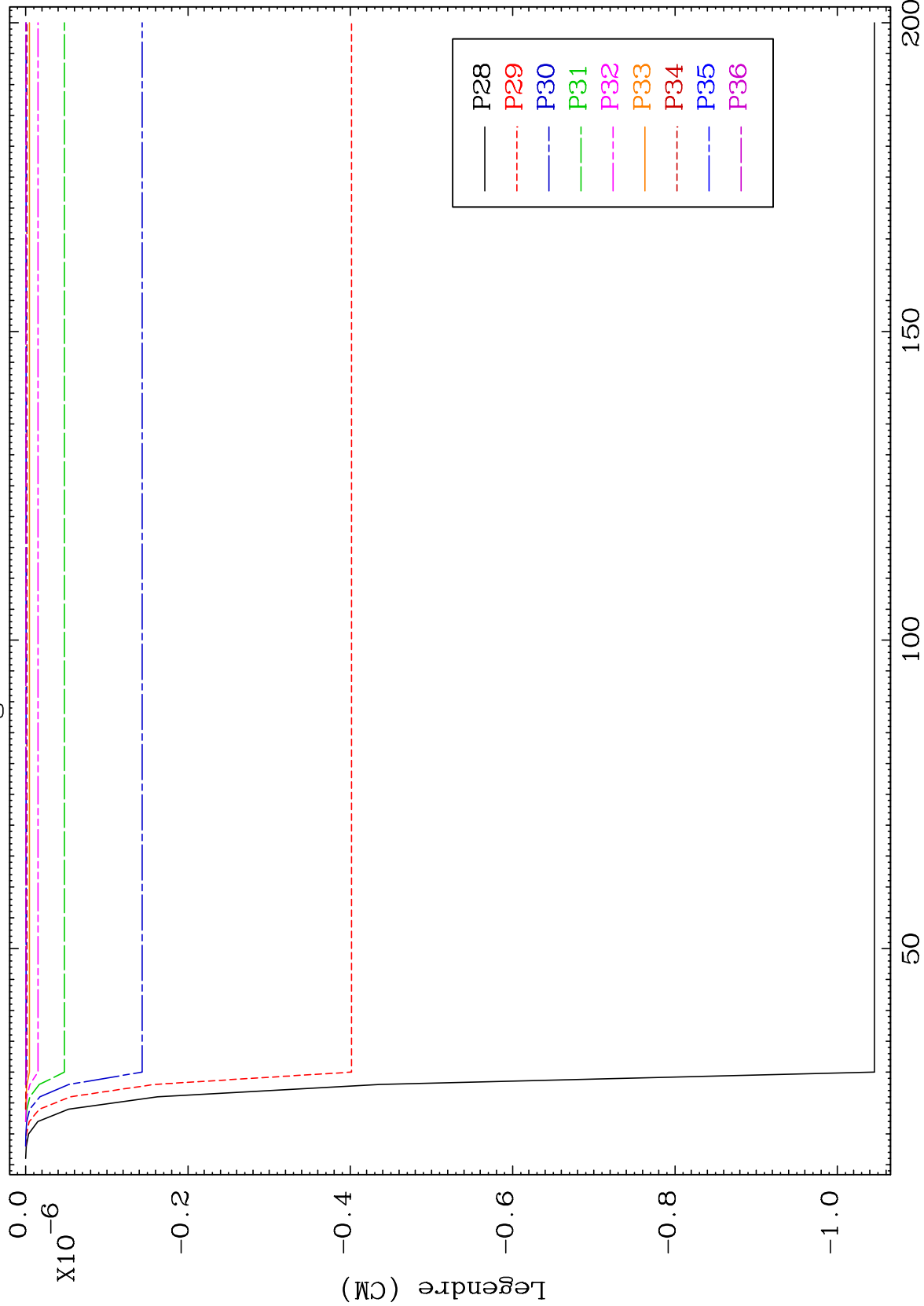


MAT 5146

MT= 53 (n,n') Level

51-Sb-128

Legendre Coefficients



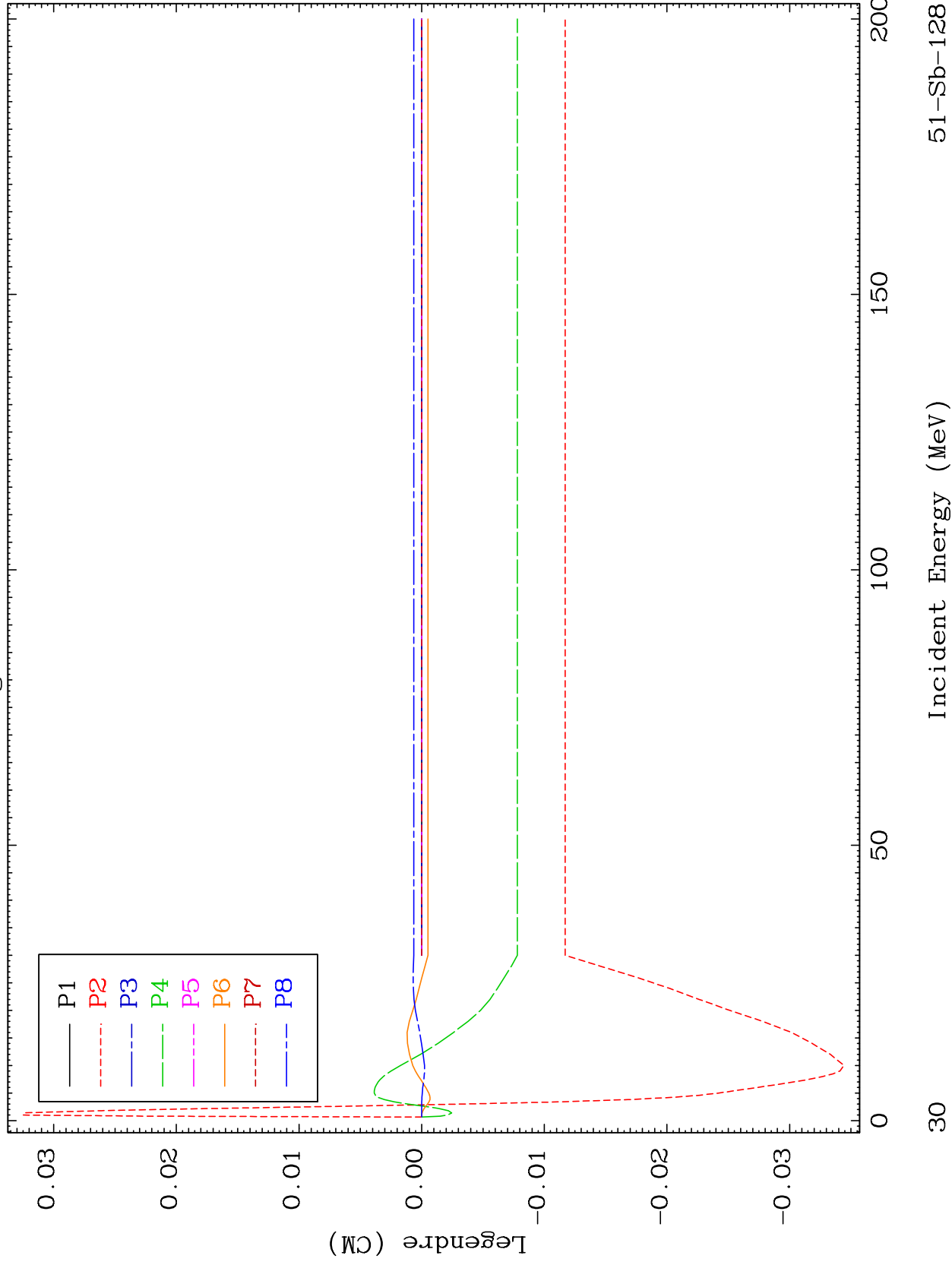
0.0
 $\times 10^{-6}$
-0.2
-0.4
-0.6
-0.8
-1.0

50 100 150 200

MAT 5146

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

51-Sb-128



51-Sb-128

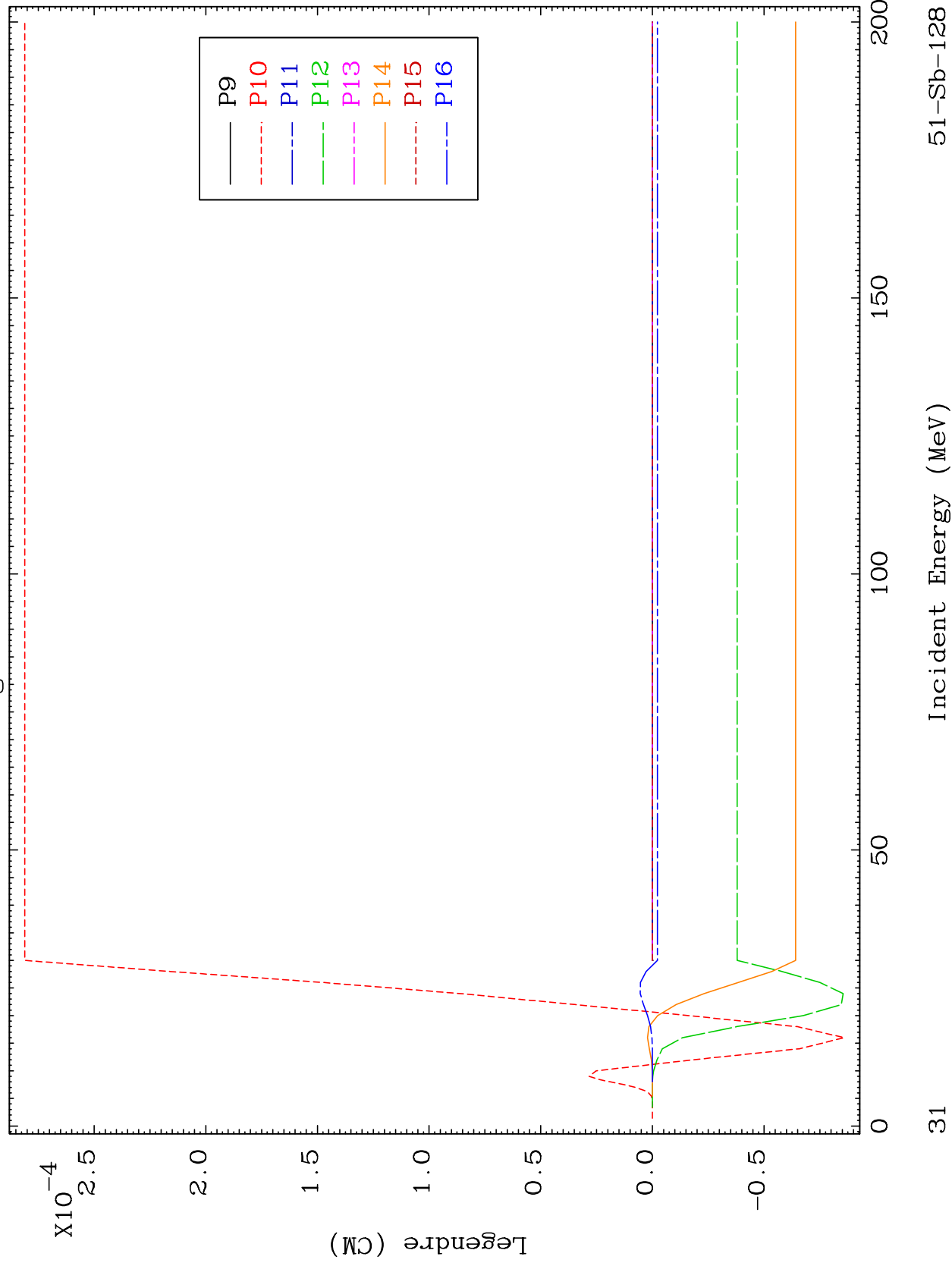
Incident Energy (MeV)

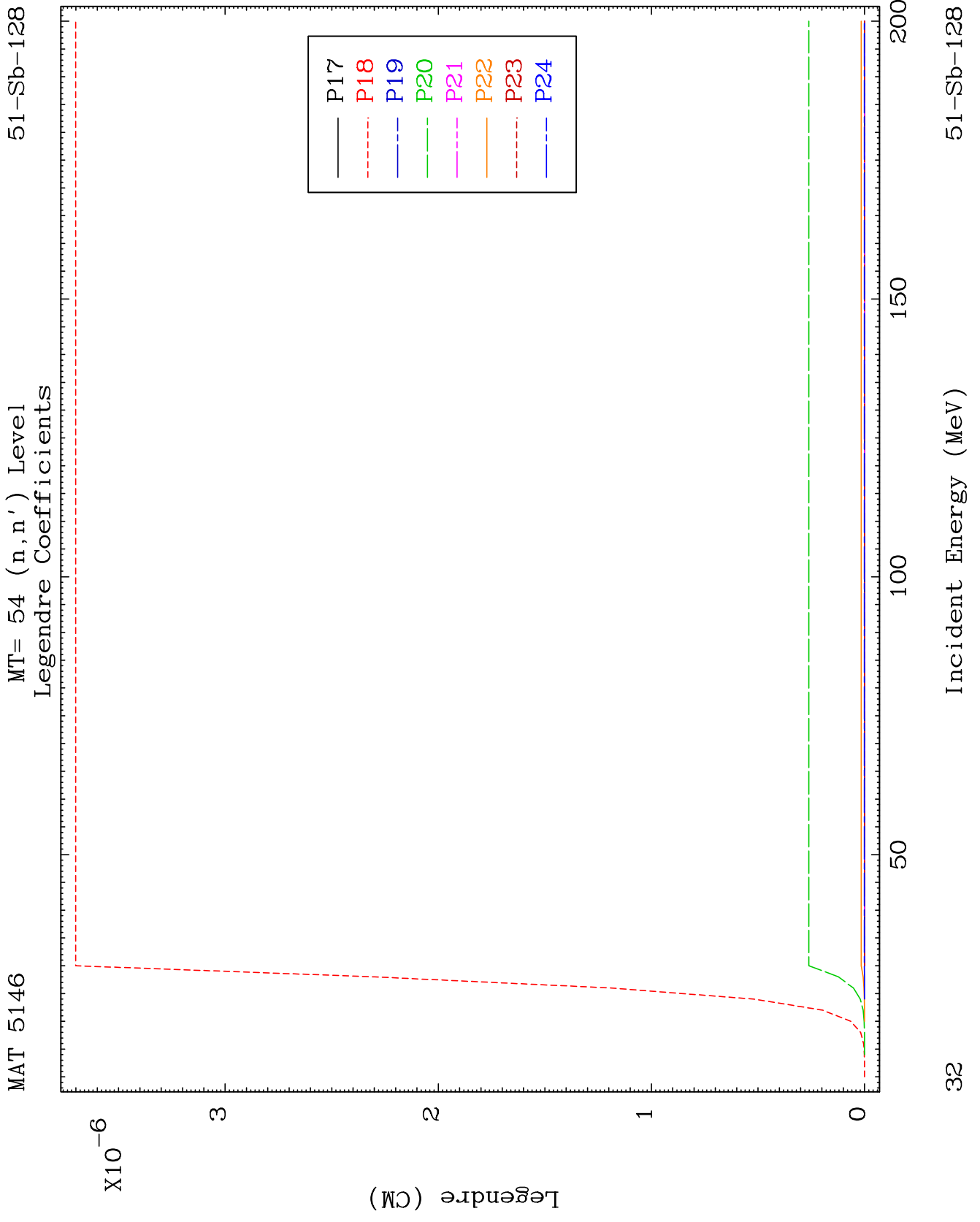
30

MAT 5146

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

51-Sb-128

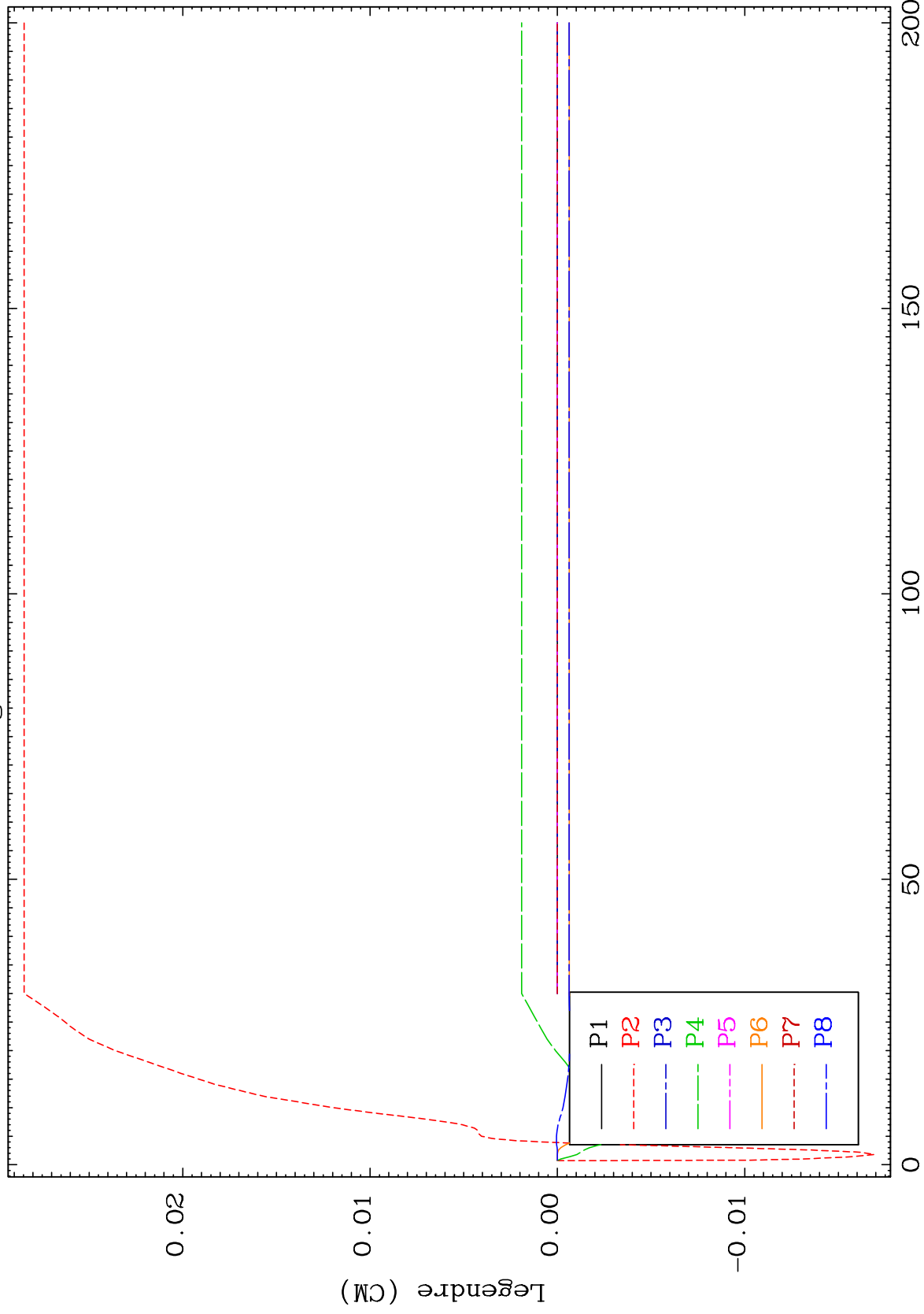




MAT 5146

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

51-Sb-128



33

51-Sb-128

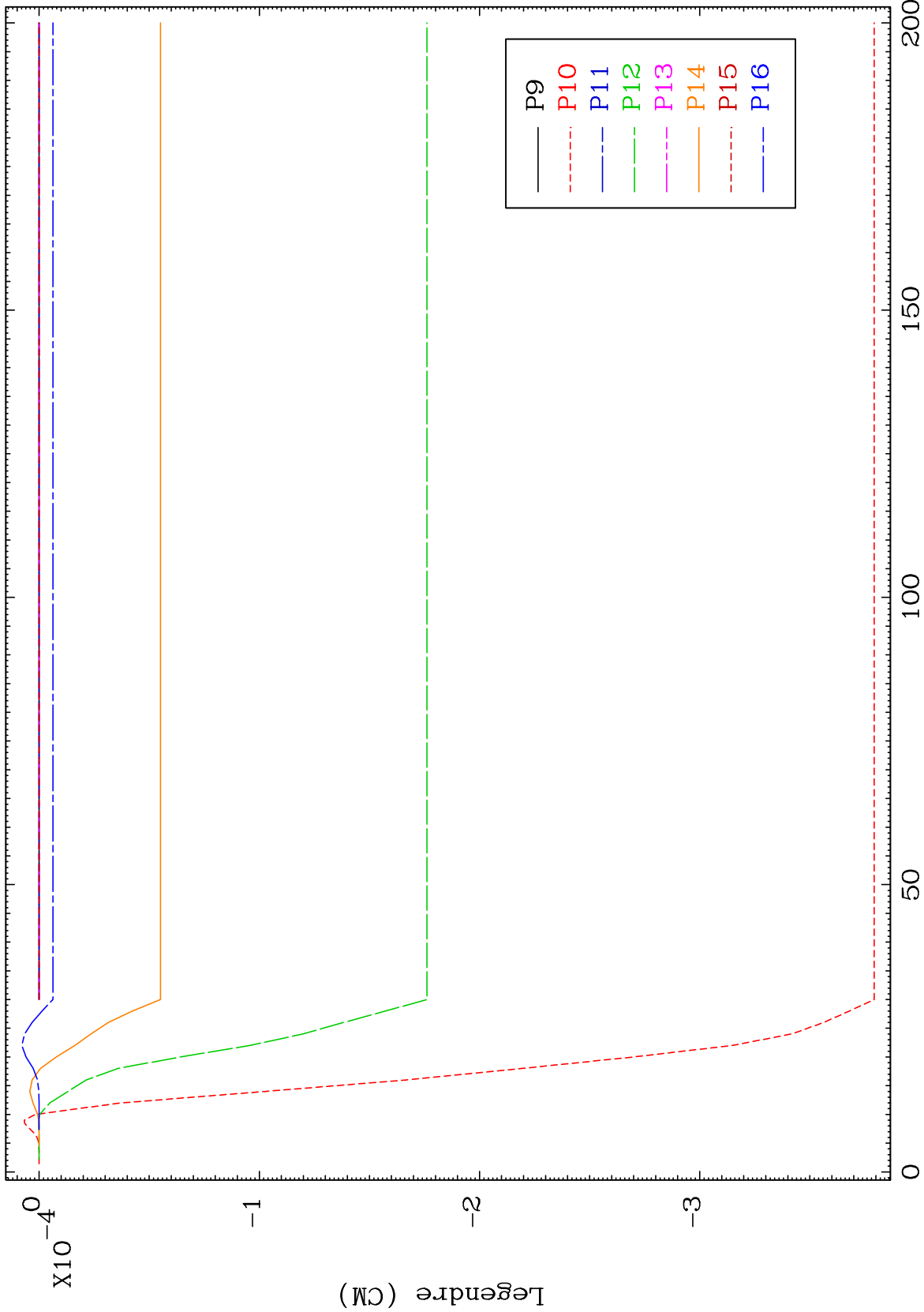
51-Sb-128

MAT 5146

MT= 55 (n,n') Level

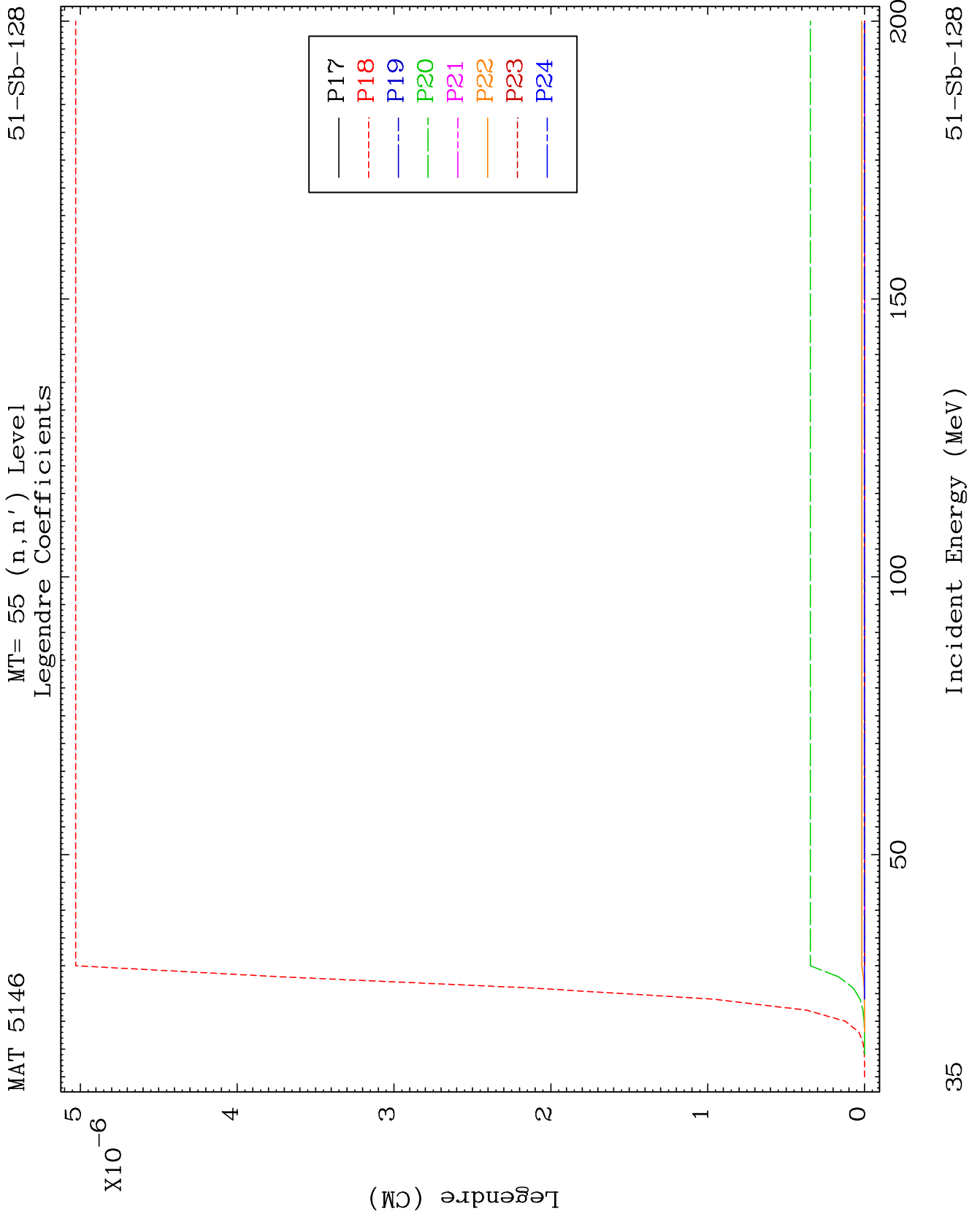
51-Sb-128

Legendre Coefficients



34

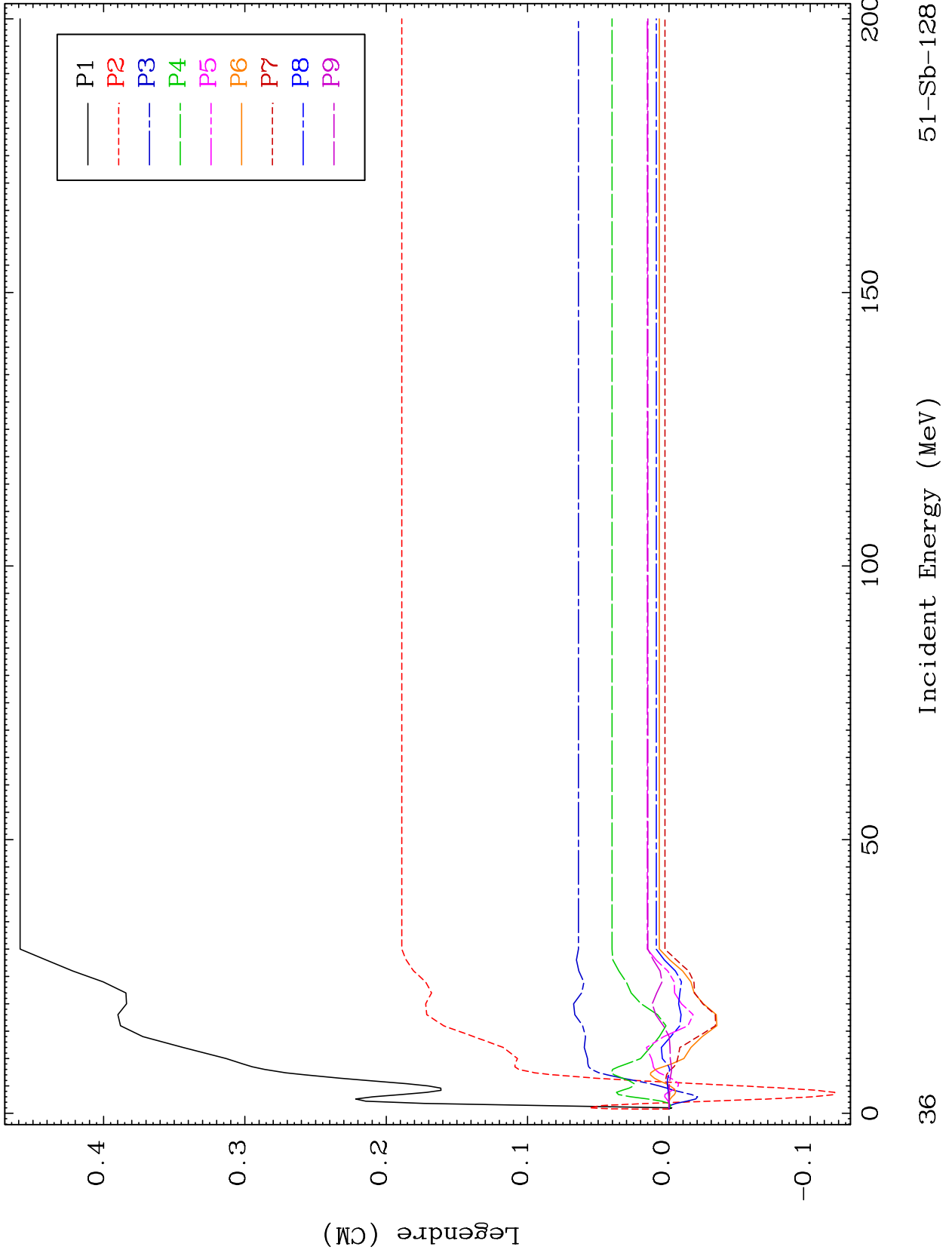
51-Sb-128



MAT 5146

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

51-Sb-128



51-Sb-128

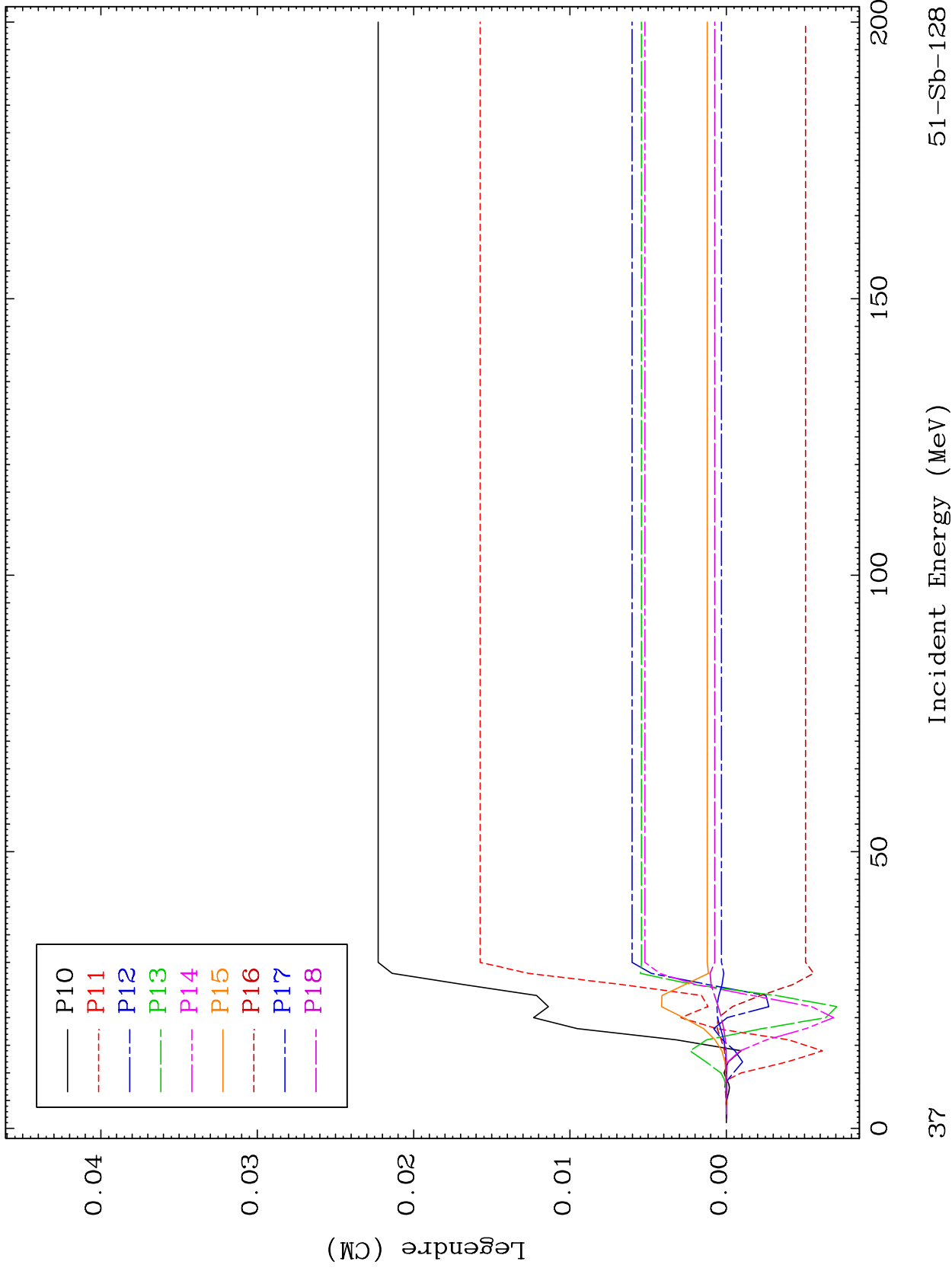
Incident Energy (MeV)

36

MAT 5146

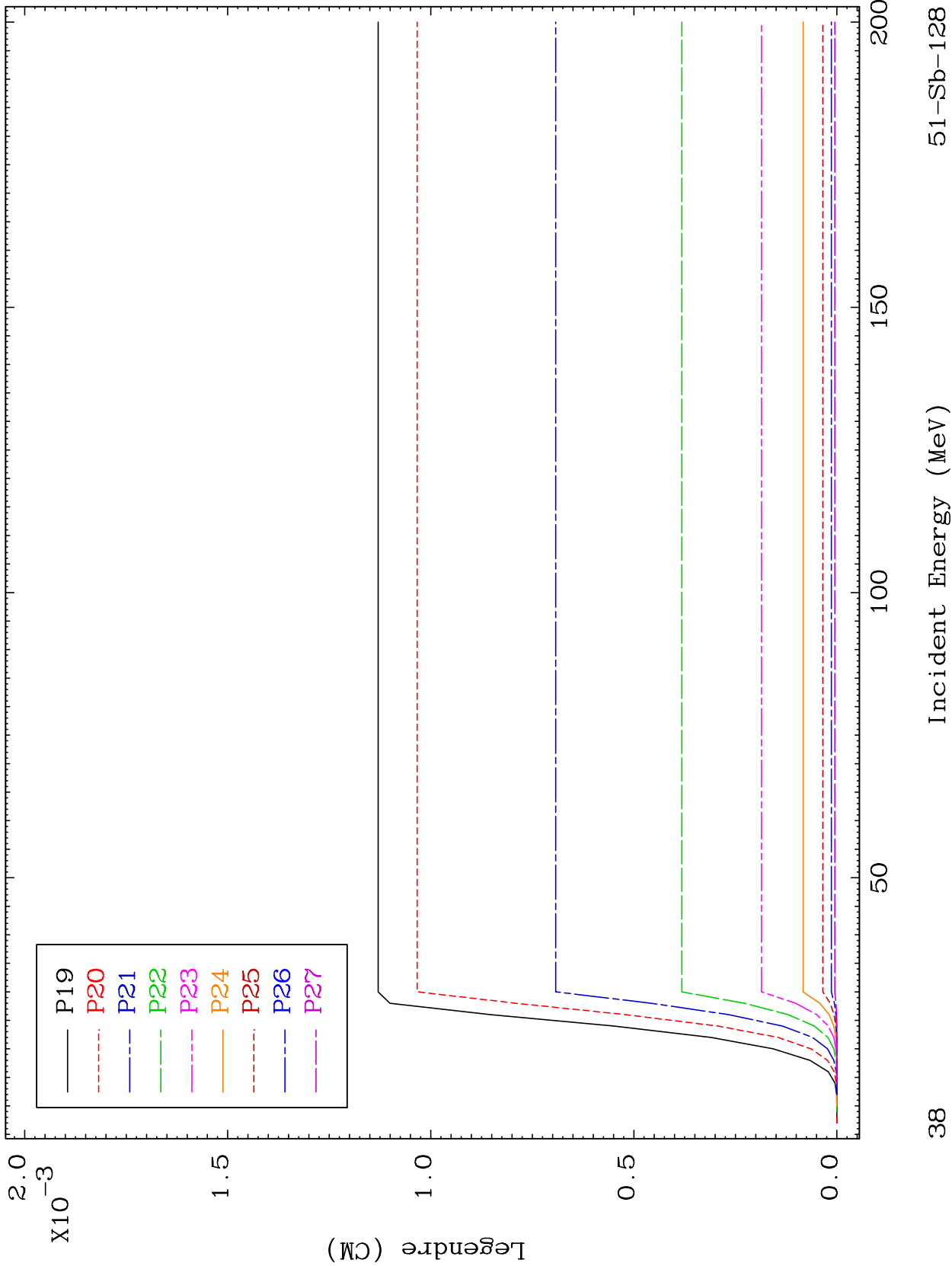
MT= 56 (n,n') Level
Legendre Coefficients

51-Sb-128



37

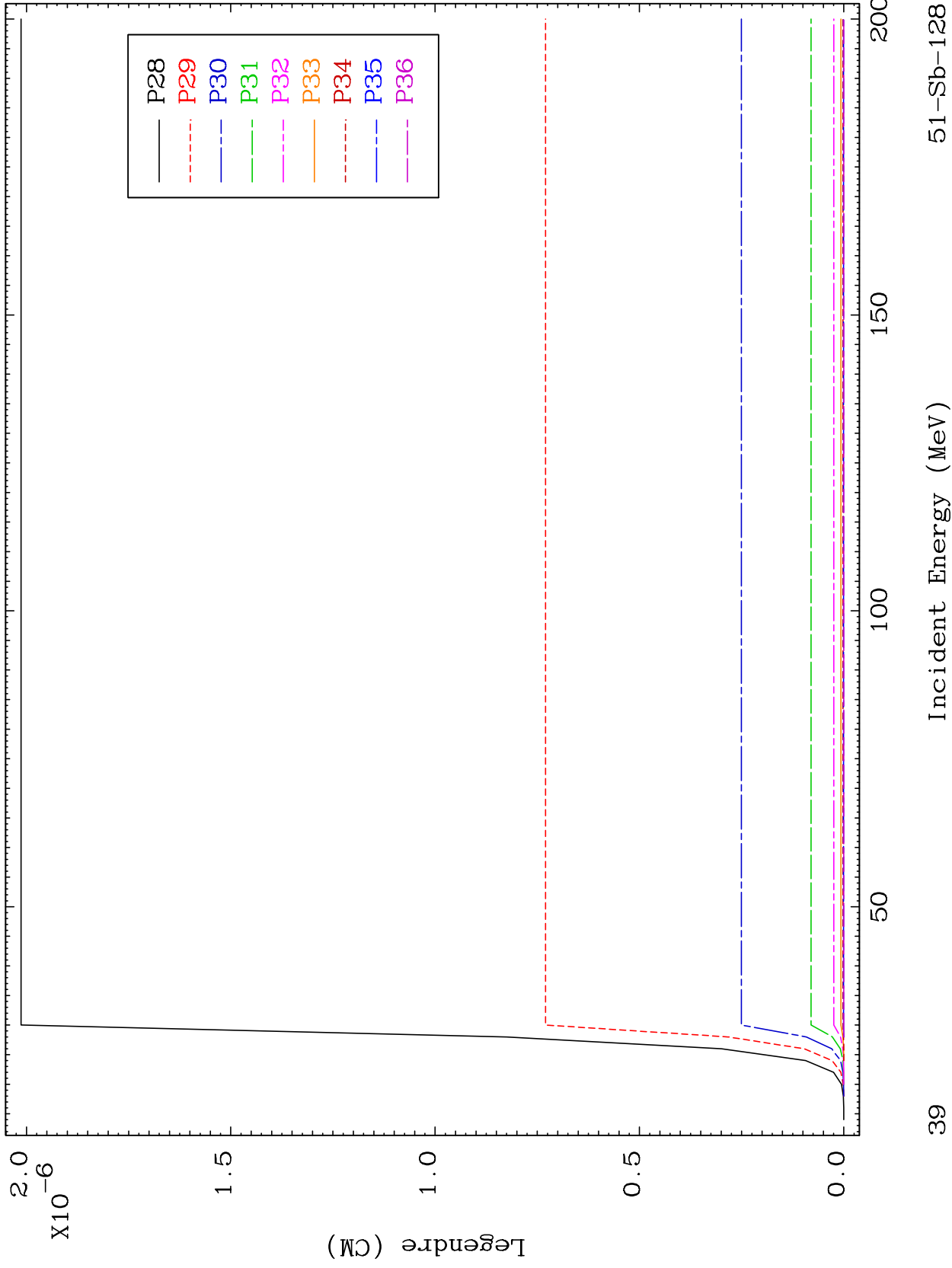
51-Sb-128



MAT 5146

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

51-Sb-128



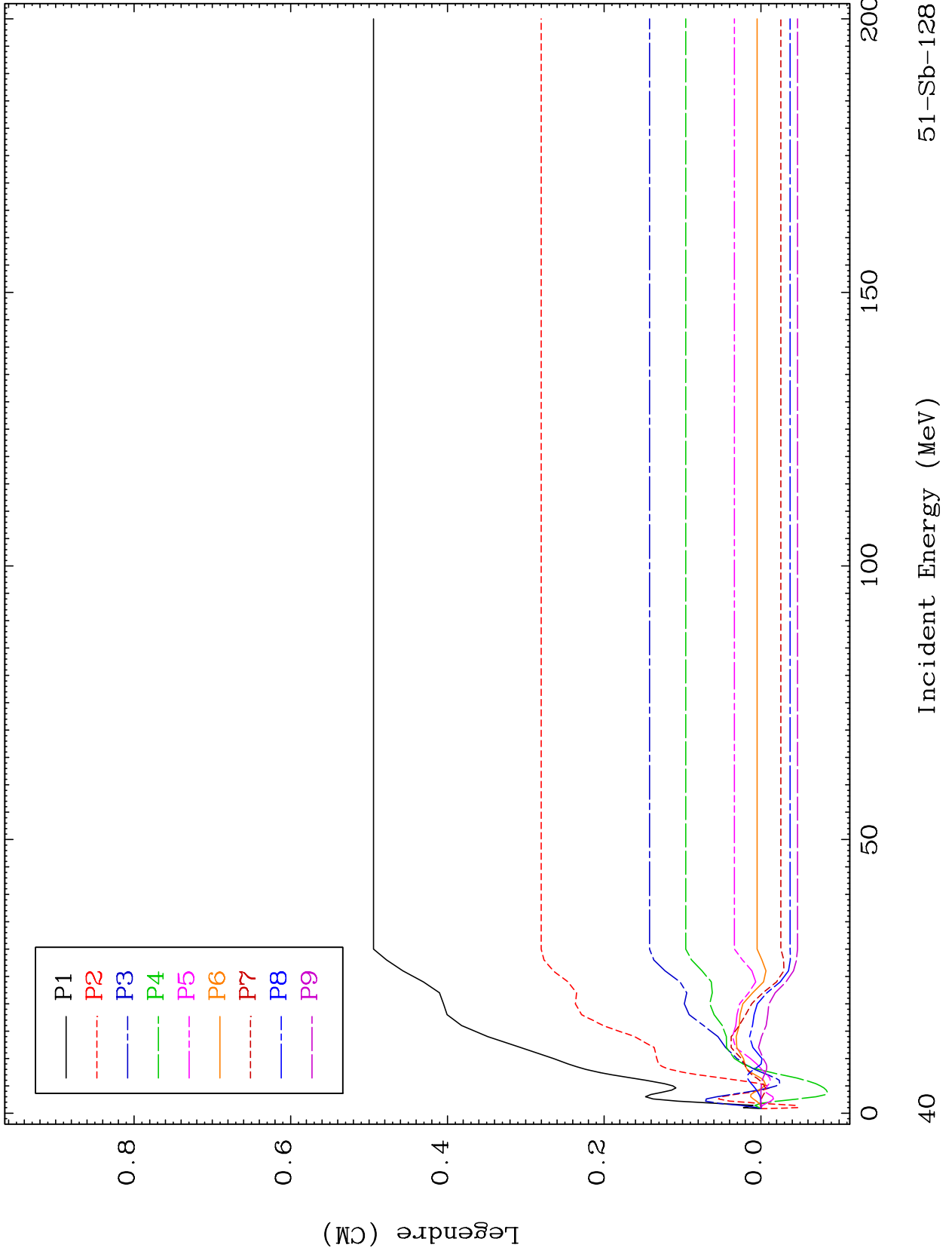
39

51-Sb-128

MAT 5146

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

51-Sb-128



51-Sb-128

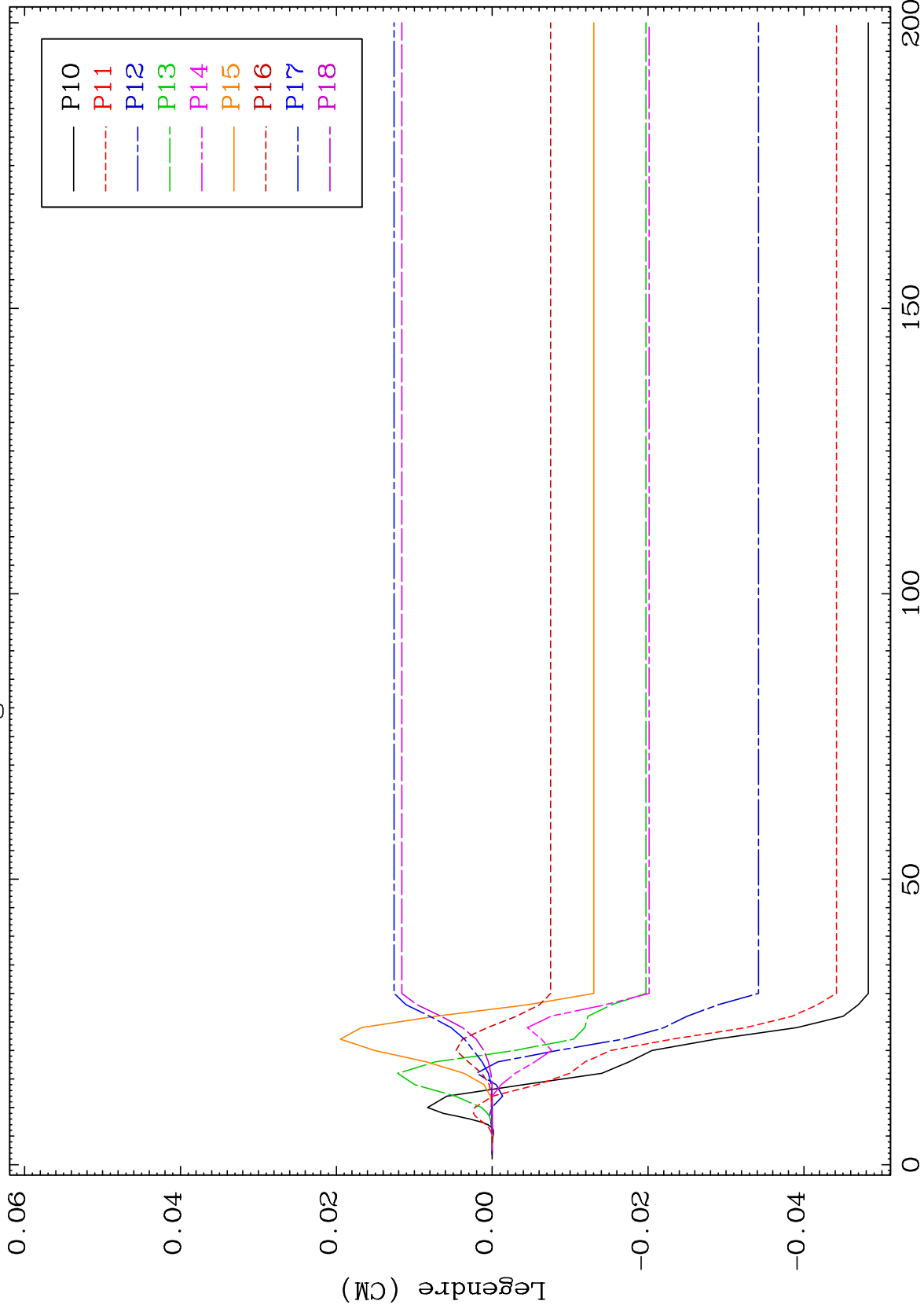
Incident Energy (MeV)

40

MAT 5146

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

51-Sb-128



41

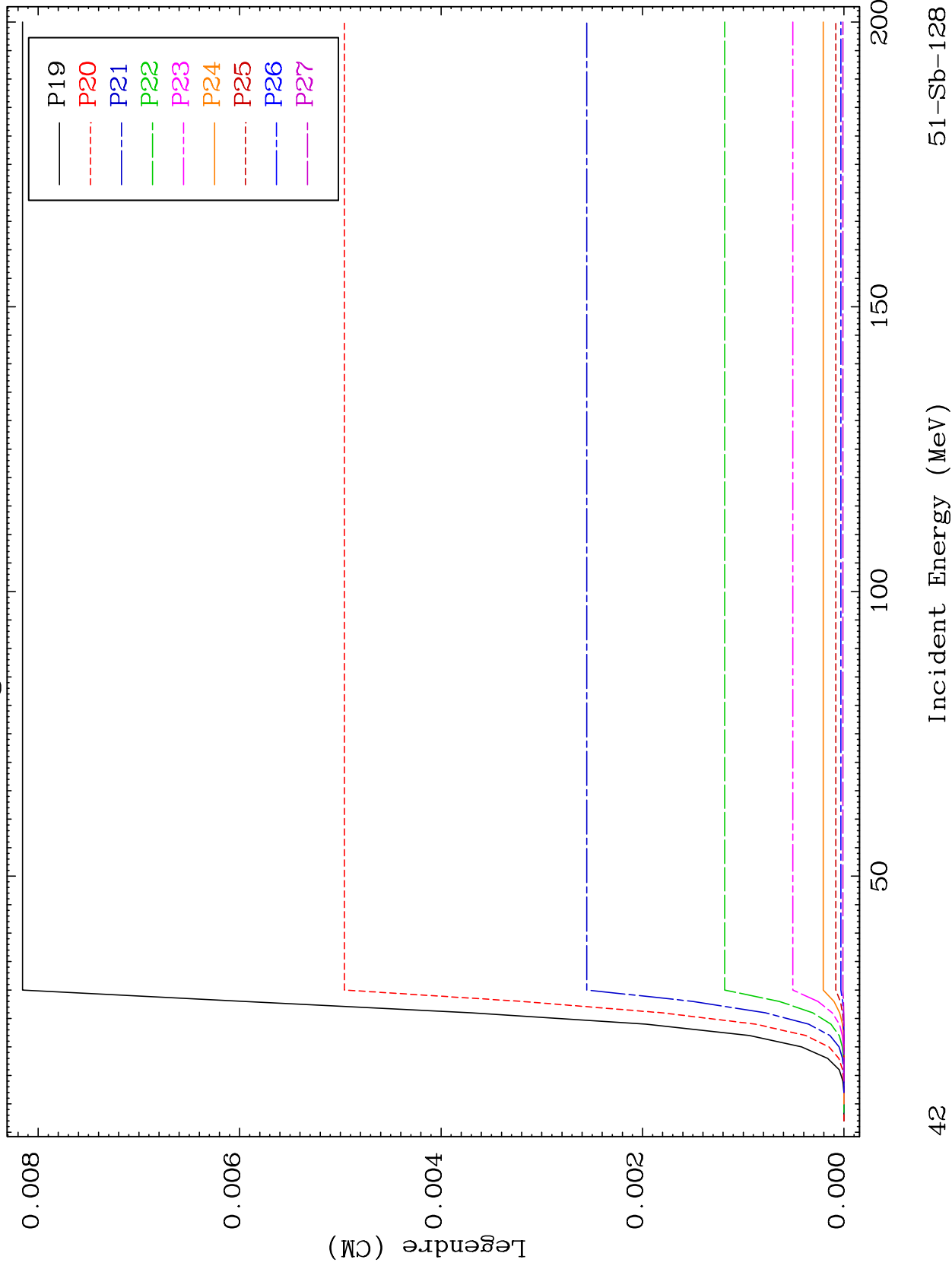
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



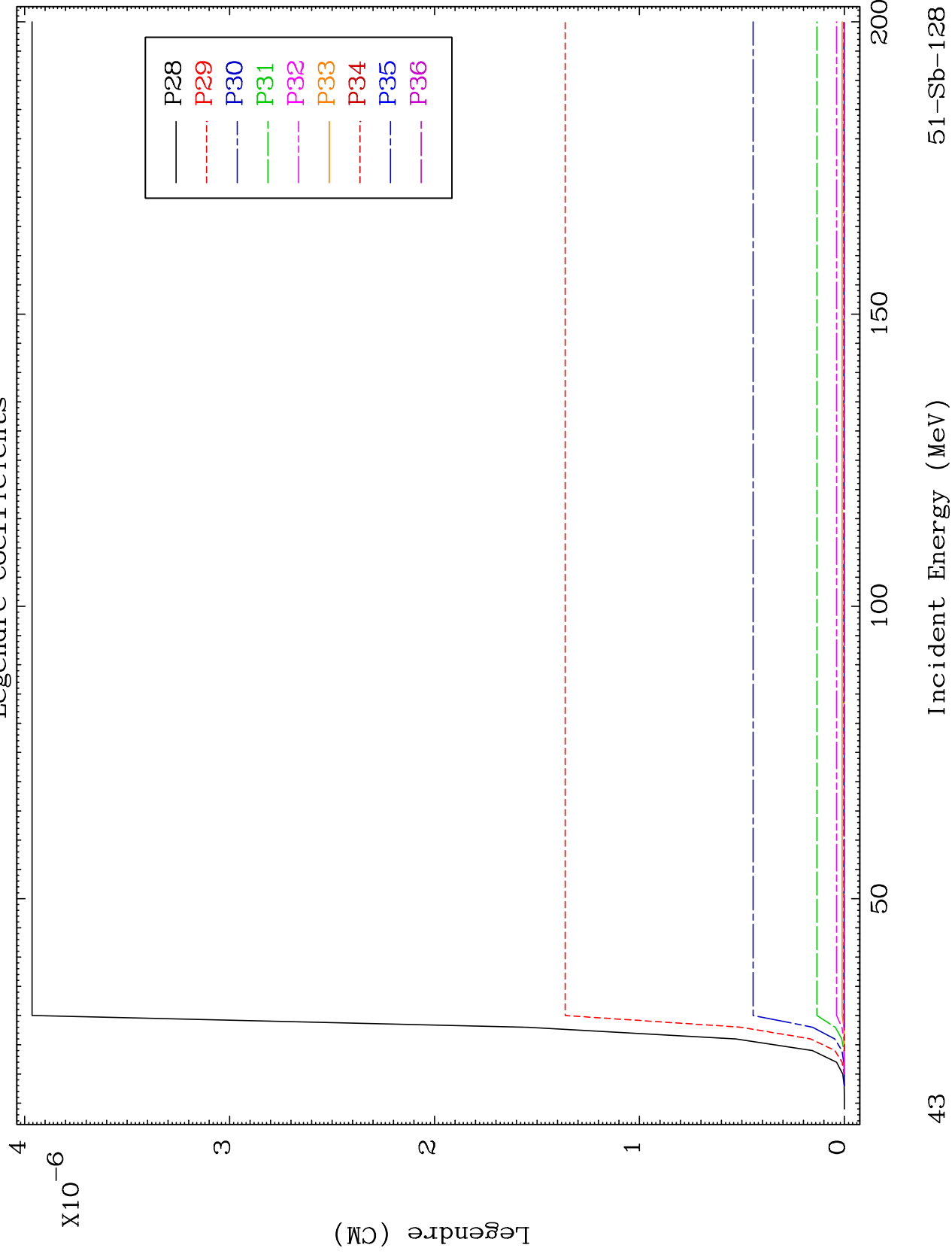
42

51-Sb-128

MAT 5146

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

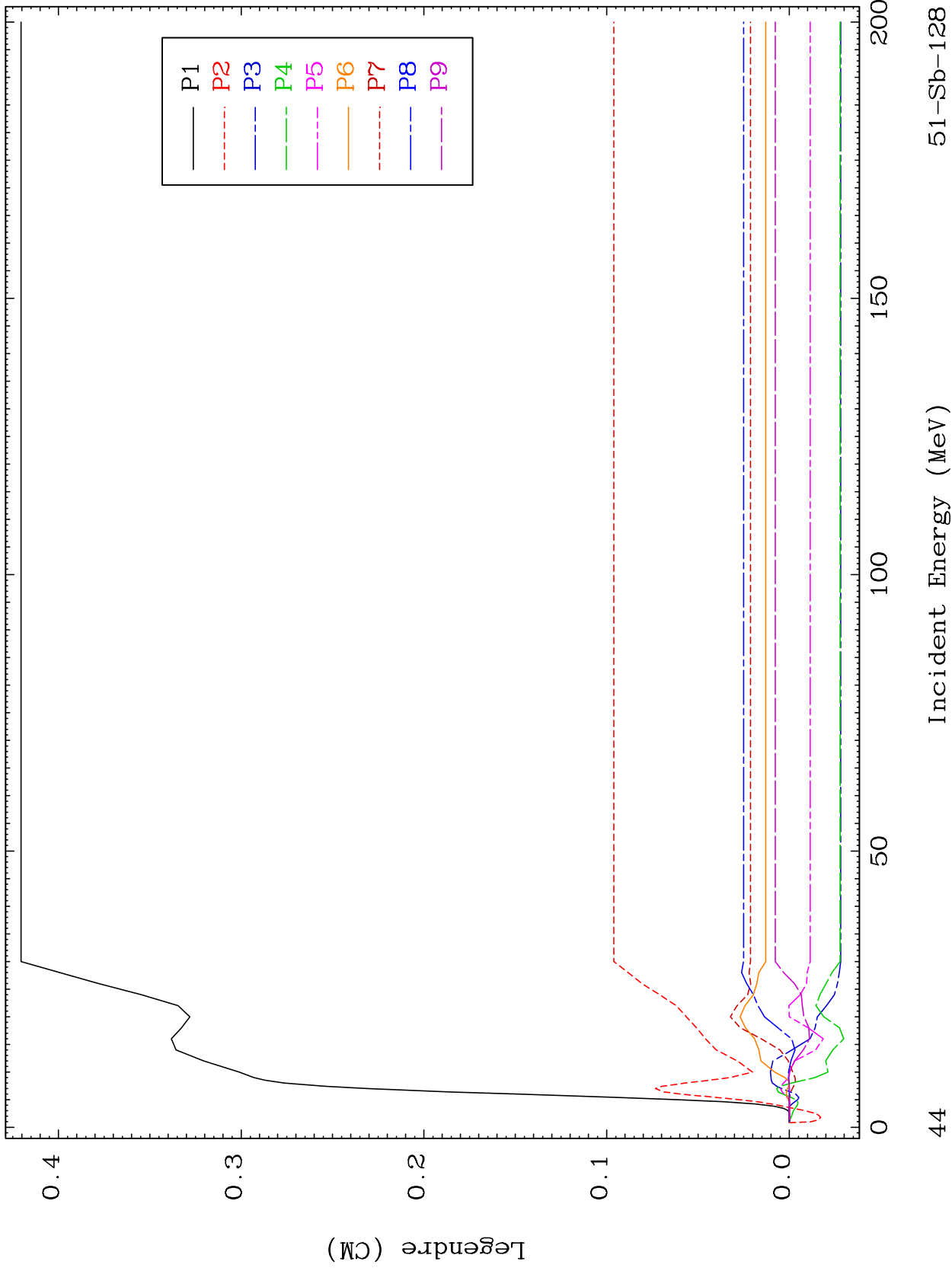
51-Sb-128



MAT 5146

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

51-Sb-128



44

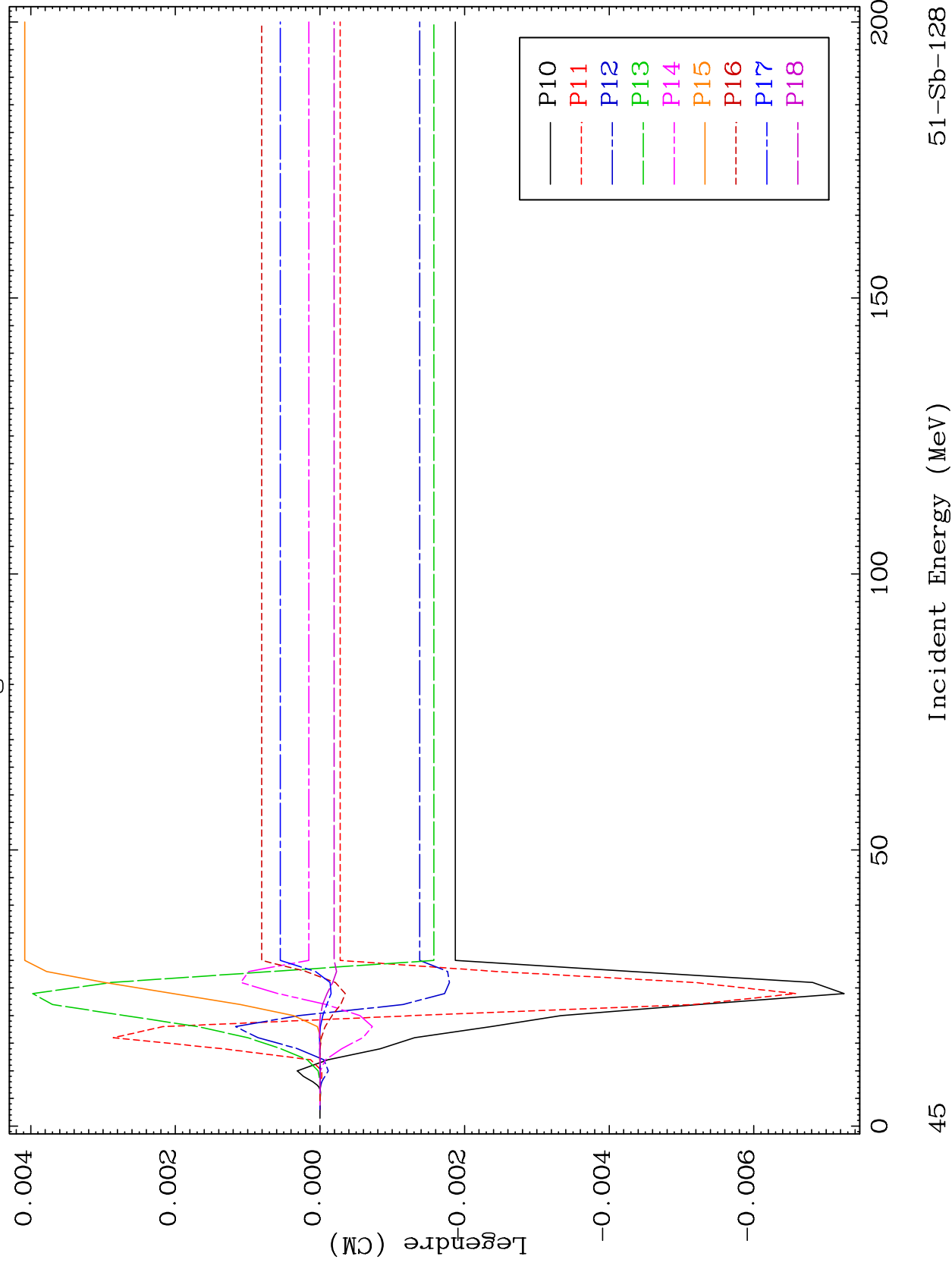
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



51-Sb-128

Incident Energy (MeV)

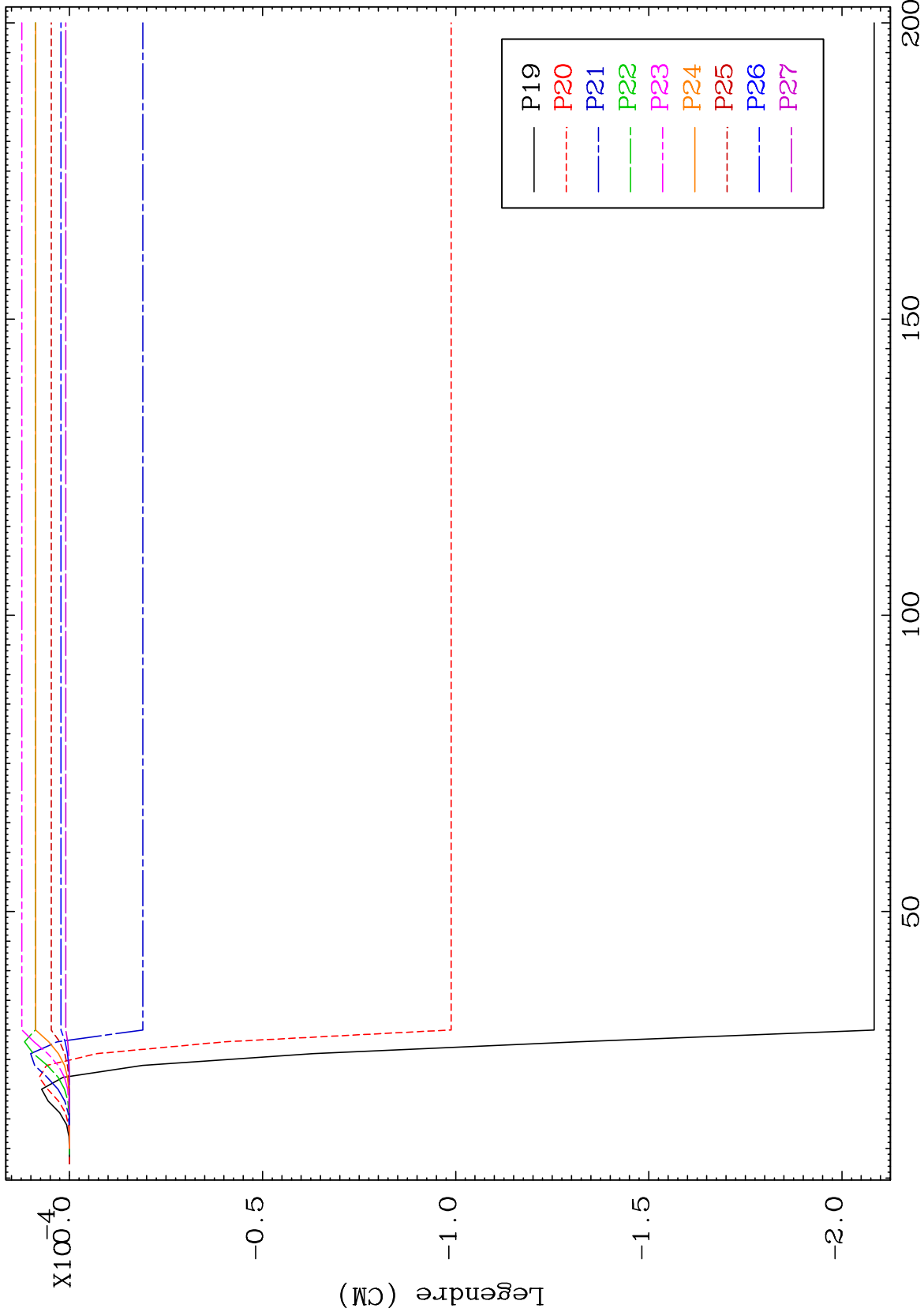
45

MAT 5146

MT= 58 (n,n') Level

51-Sb-128

Legendre Coefficients



46

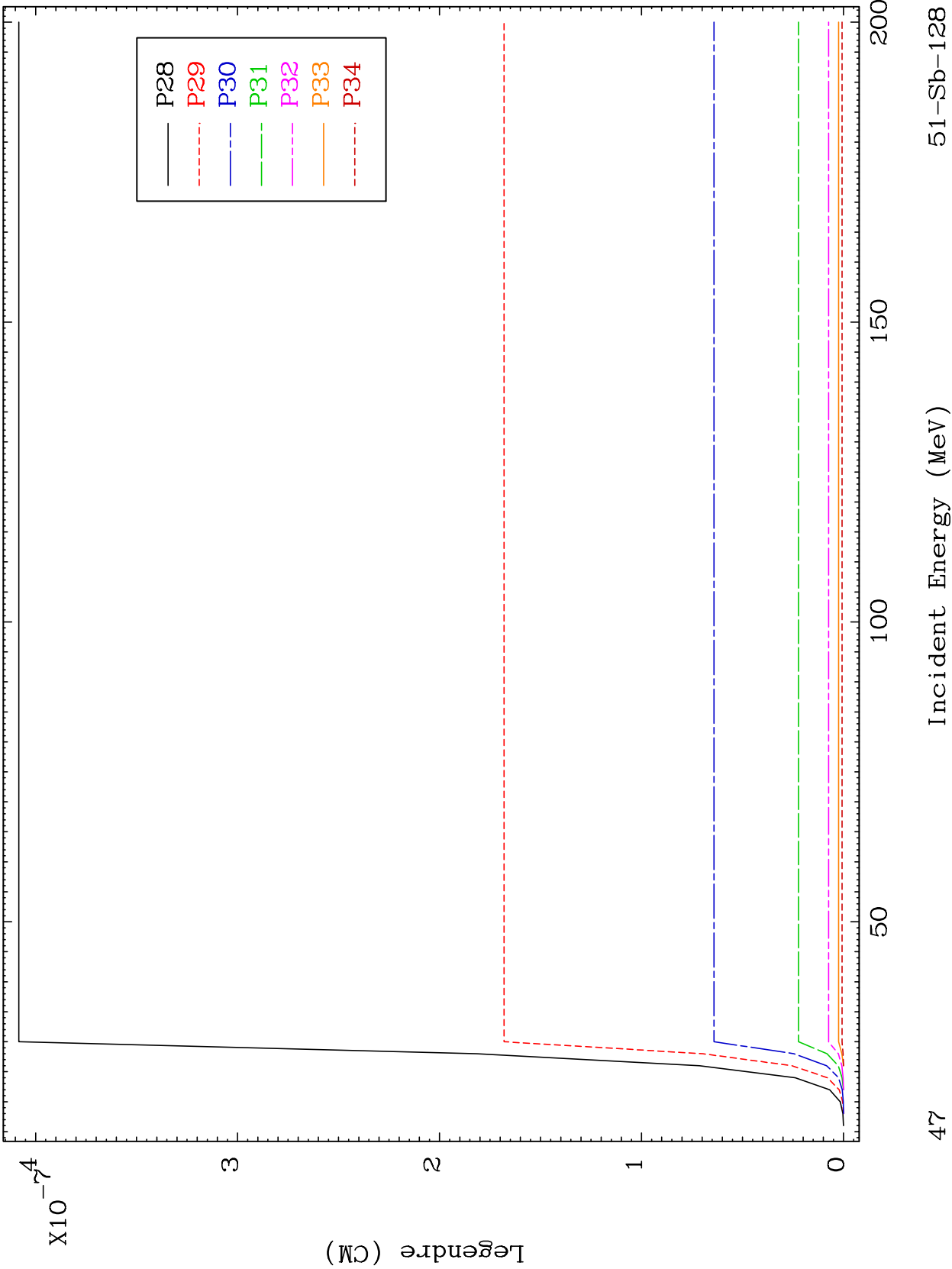
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



47

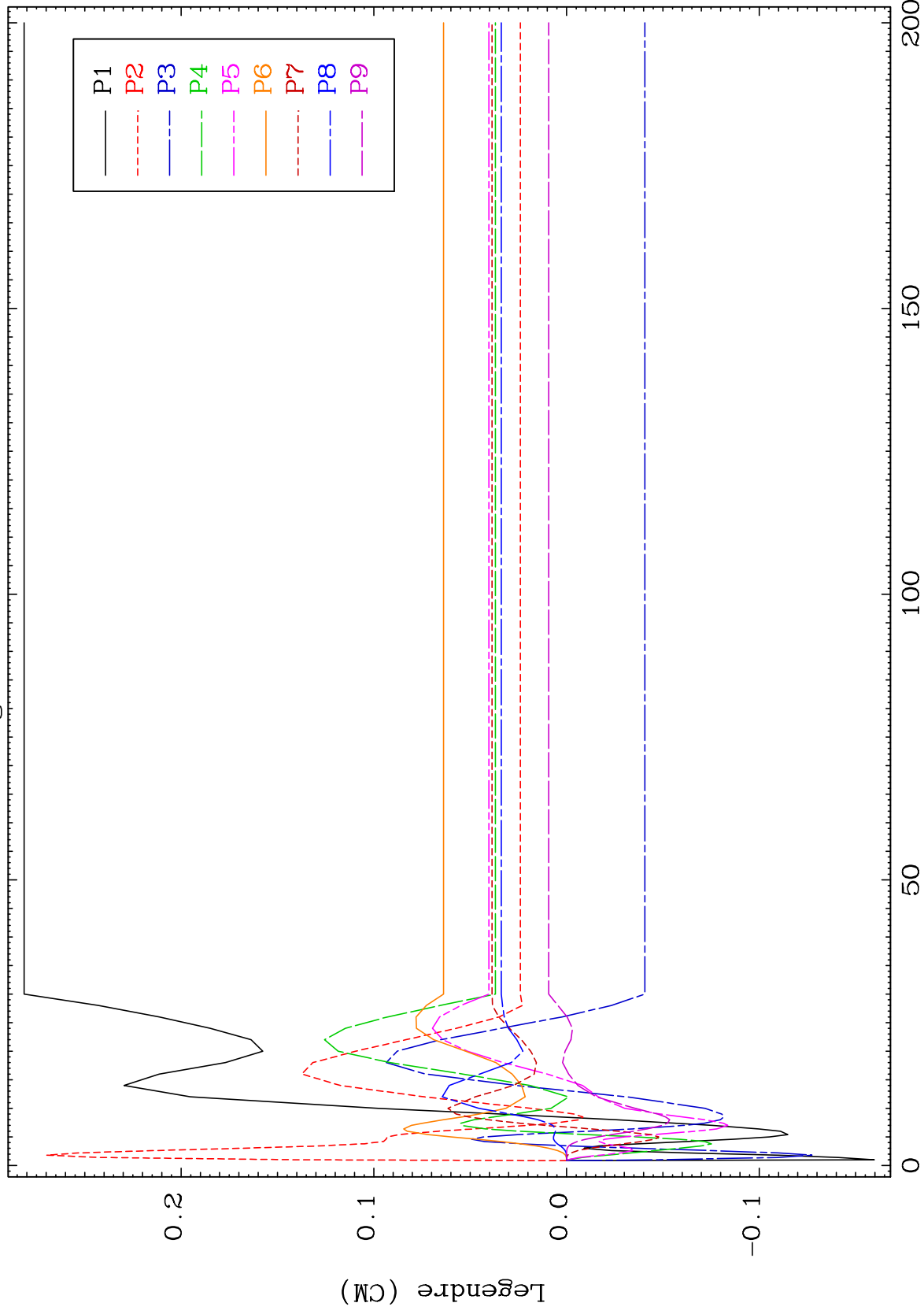
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



48

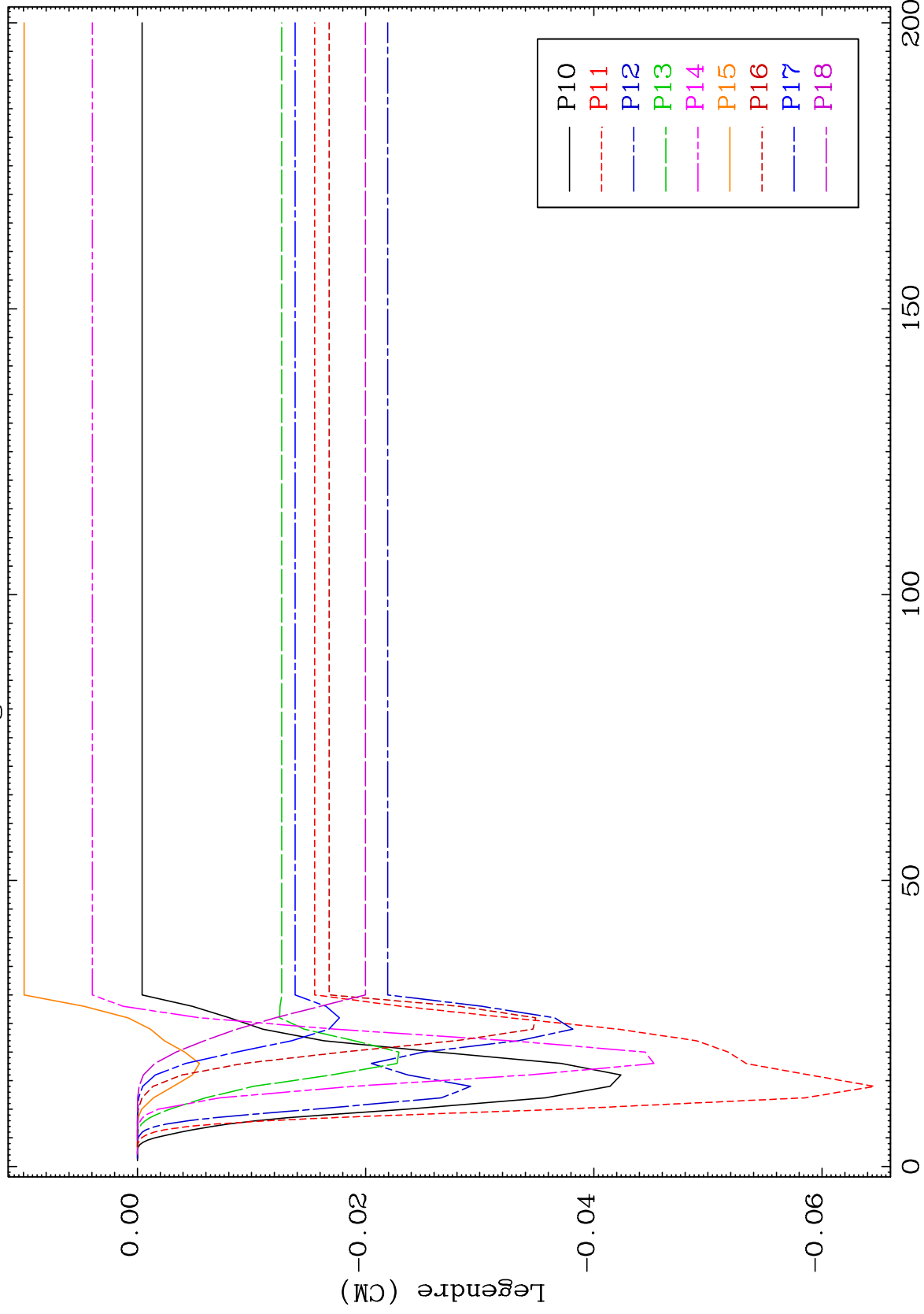
Incident Energy (MeV)

51-Sb-128

MAT 5146

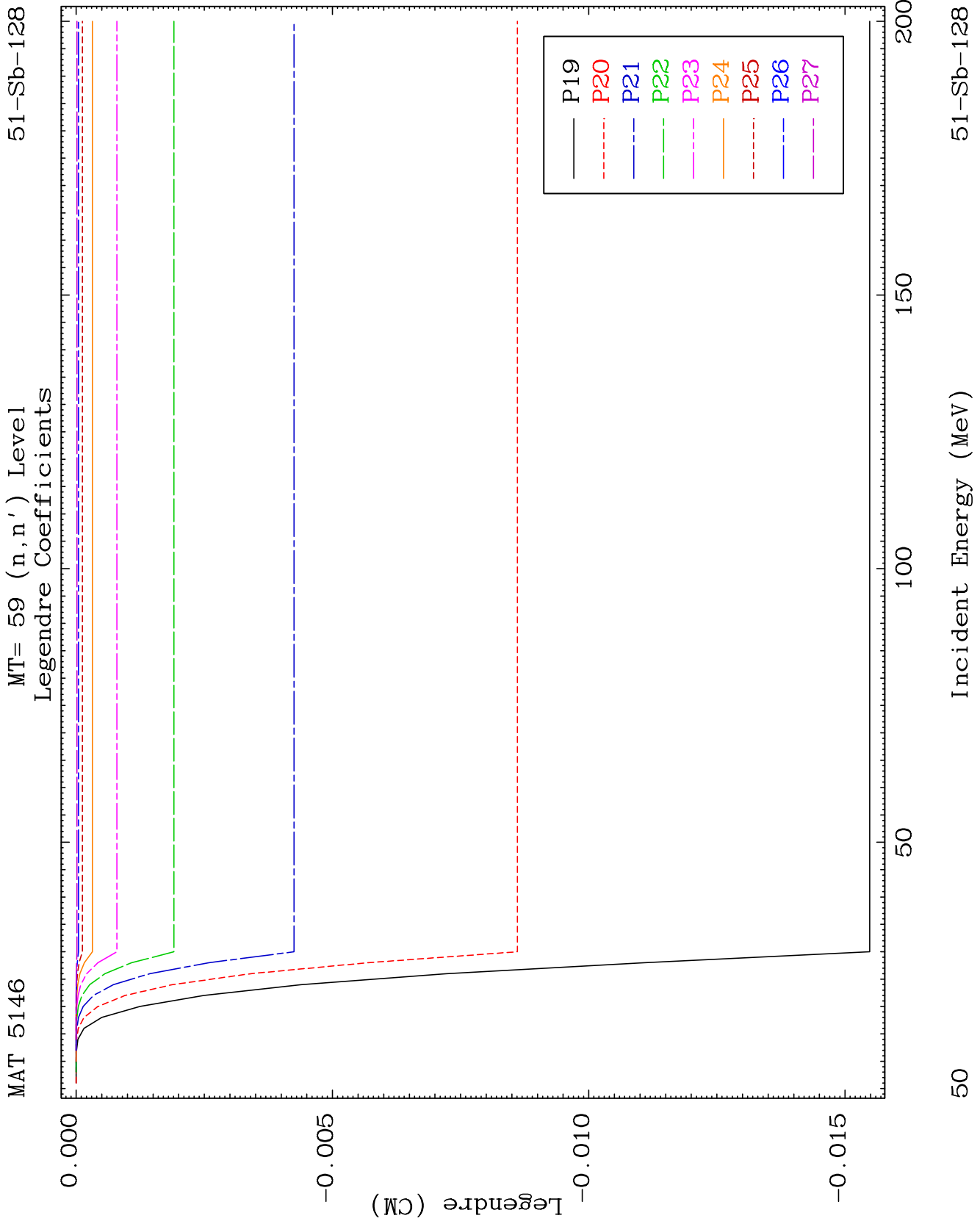
MT= 59 (n,n') Level
Legendre Coefficients

51-Sb-128



49

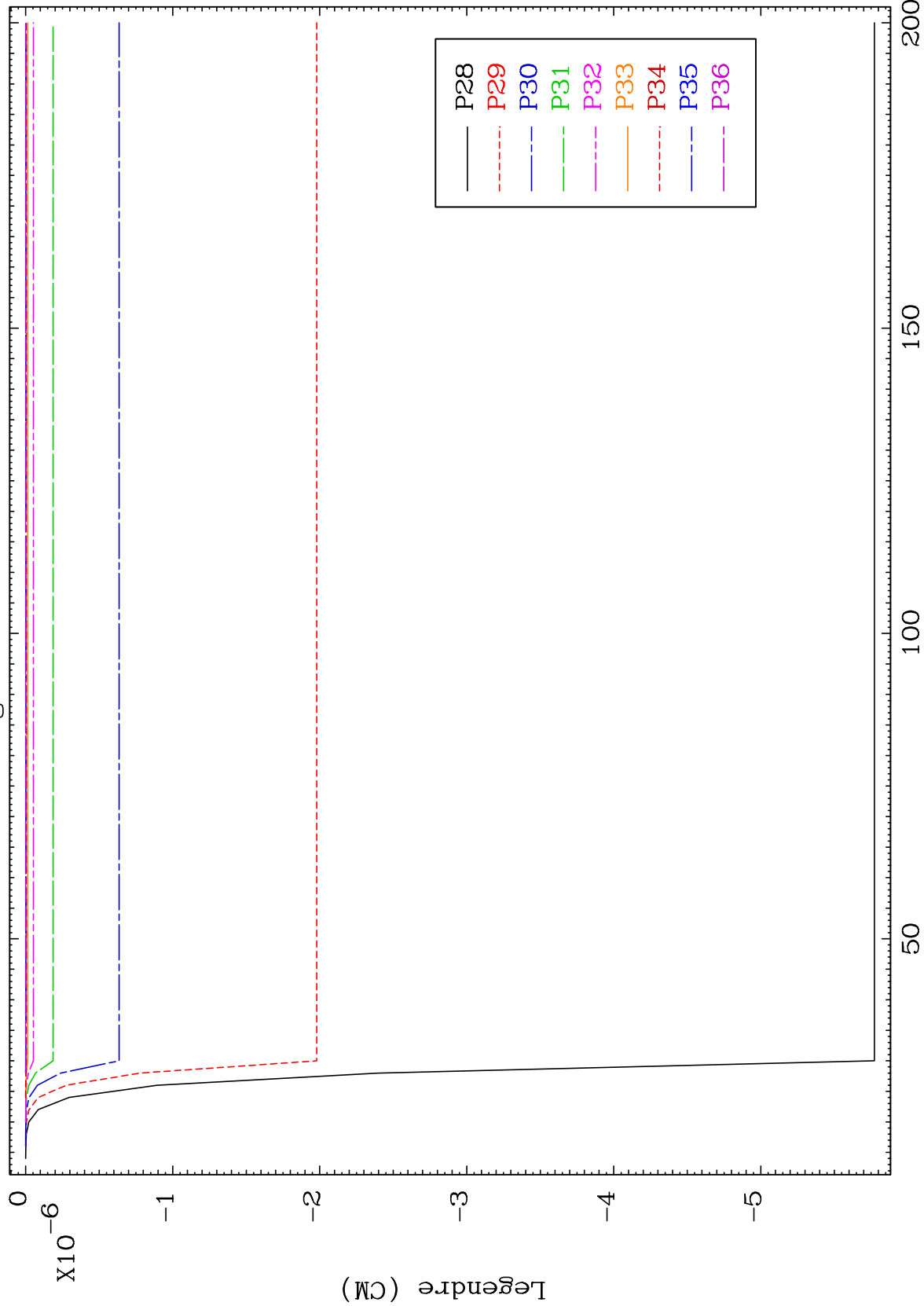
51-Sb-128



MAT 5146

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

51-Sb-128



51

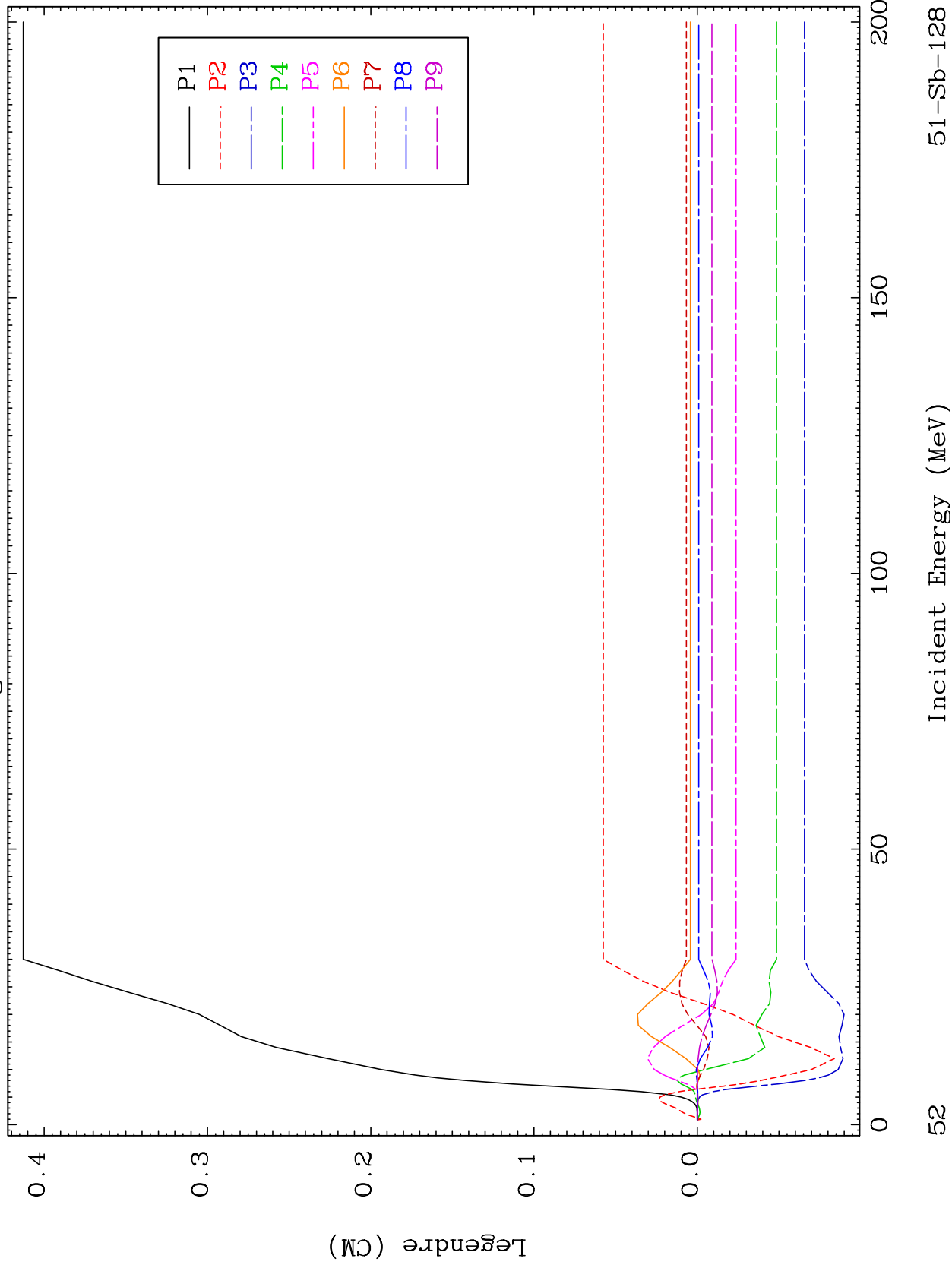
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



51-Sb-128

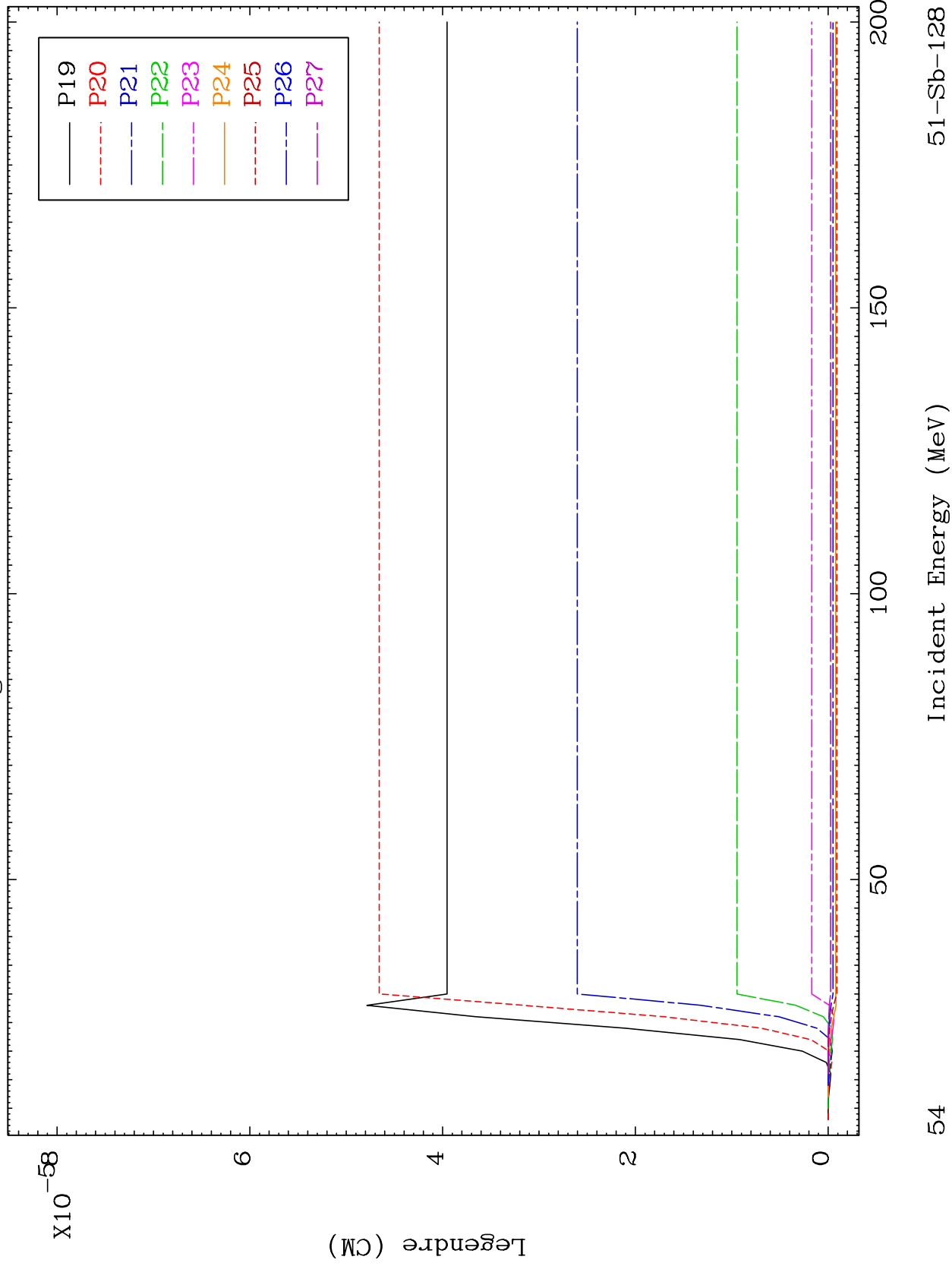
Incident Energy (MeV)

52

MAT 5146

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

51-Sb-128

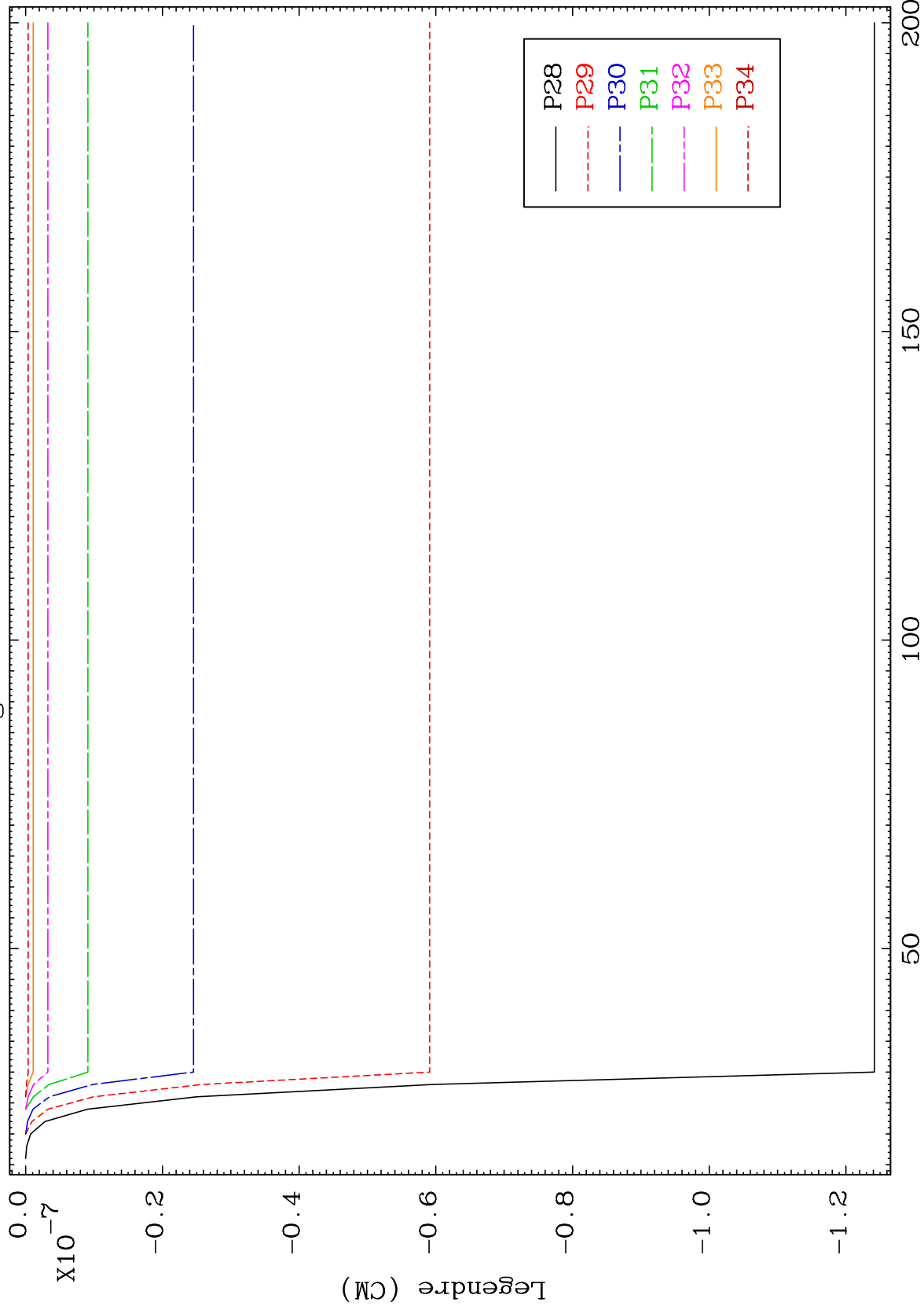


MAT 5146

MT= 60 (n,n') Level

51-Sb-128

Legendre Coefficients



55

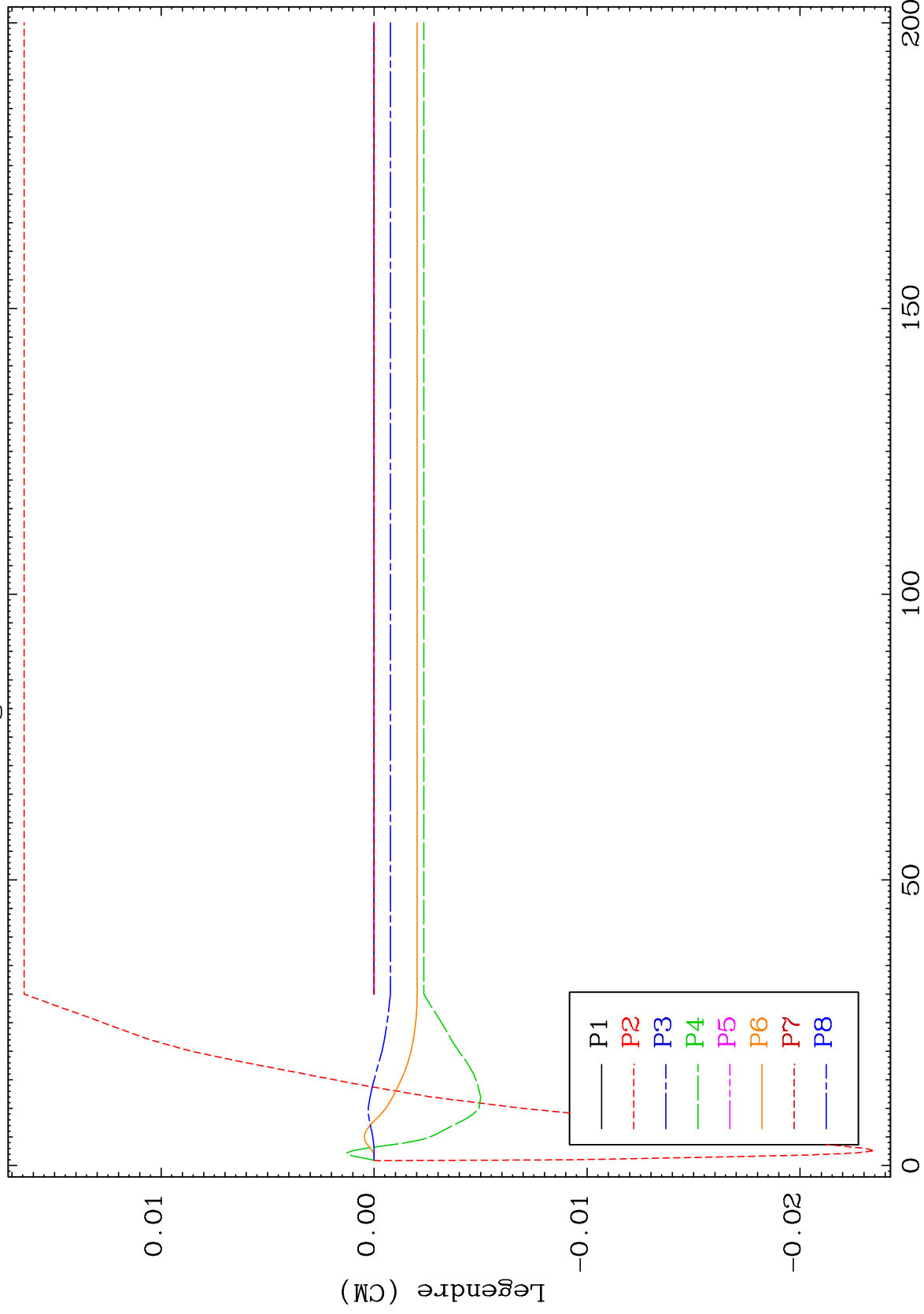
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



56

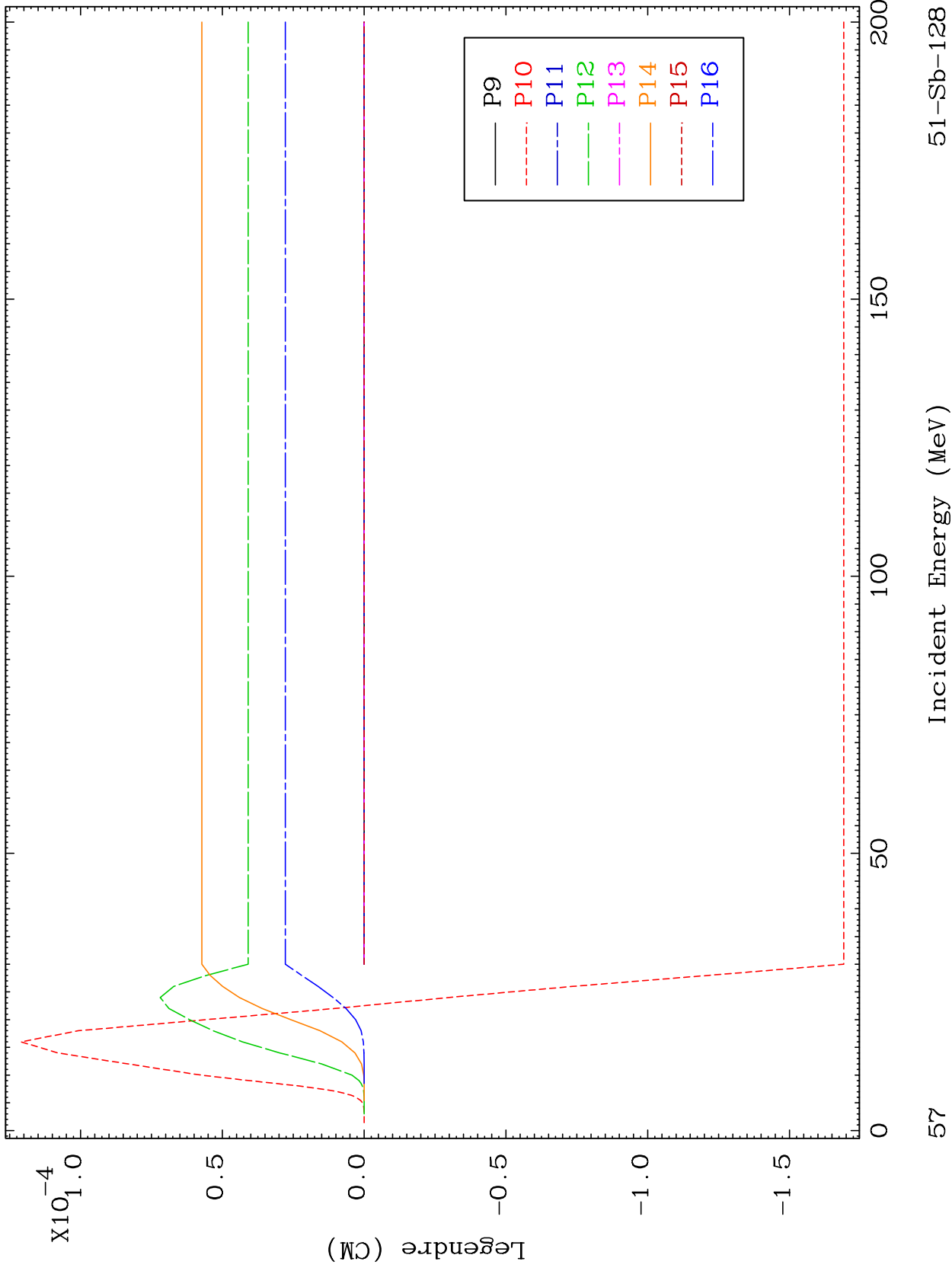
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

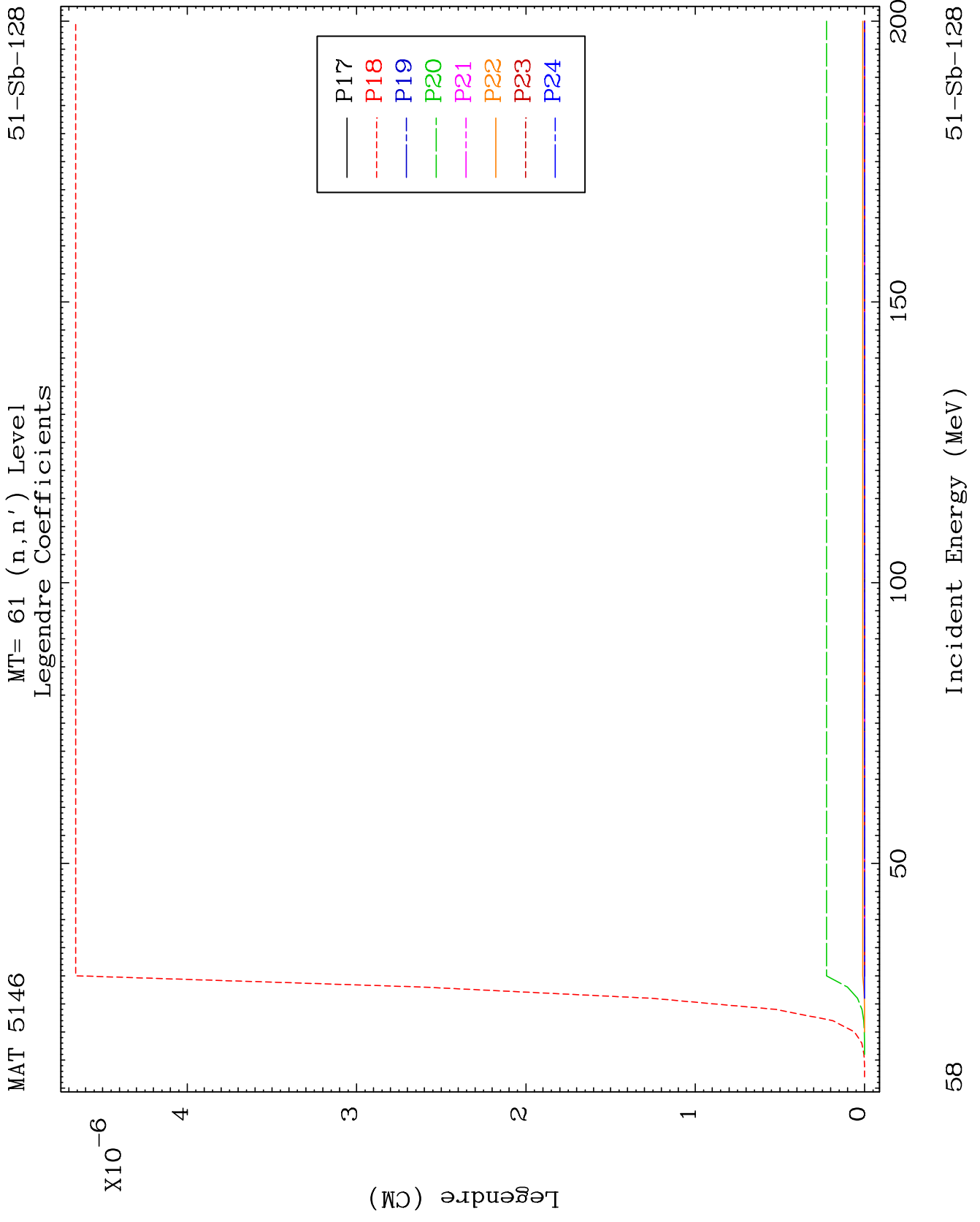
51-Sb-128



57

Incident Energy (MeV)

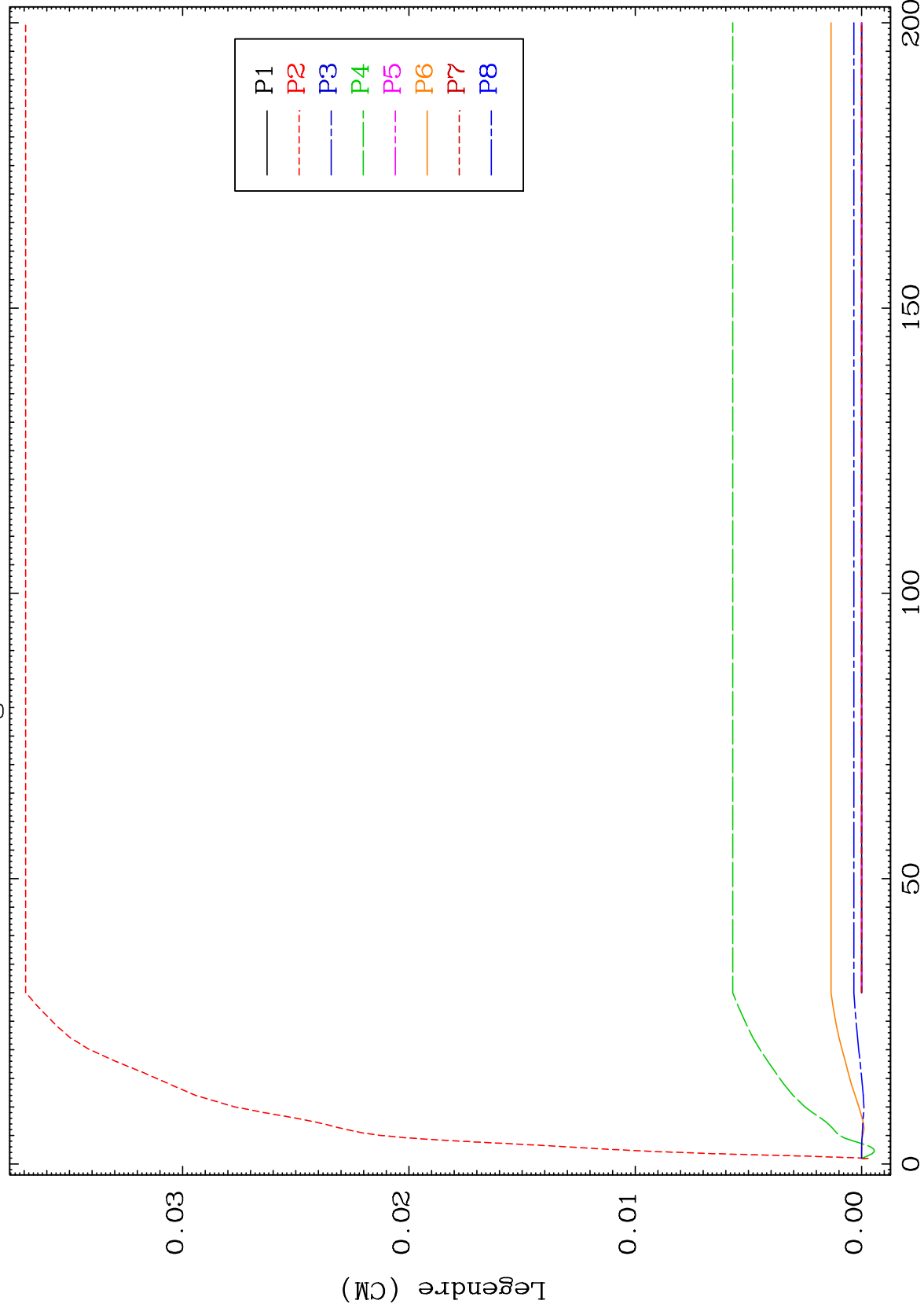
51-Sb-128



MAT 5146

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

51-Sb-128



51-Sb-128

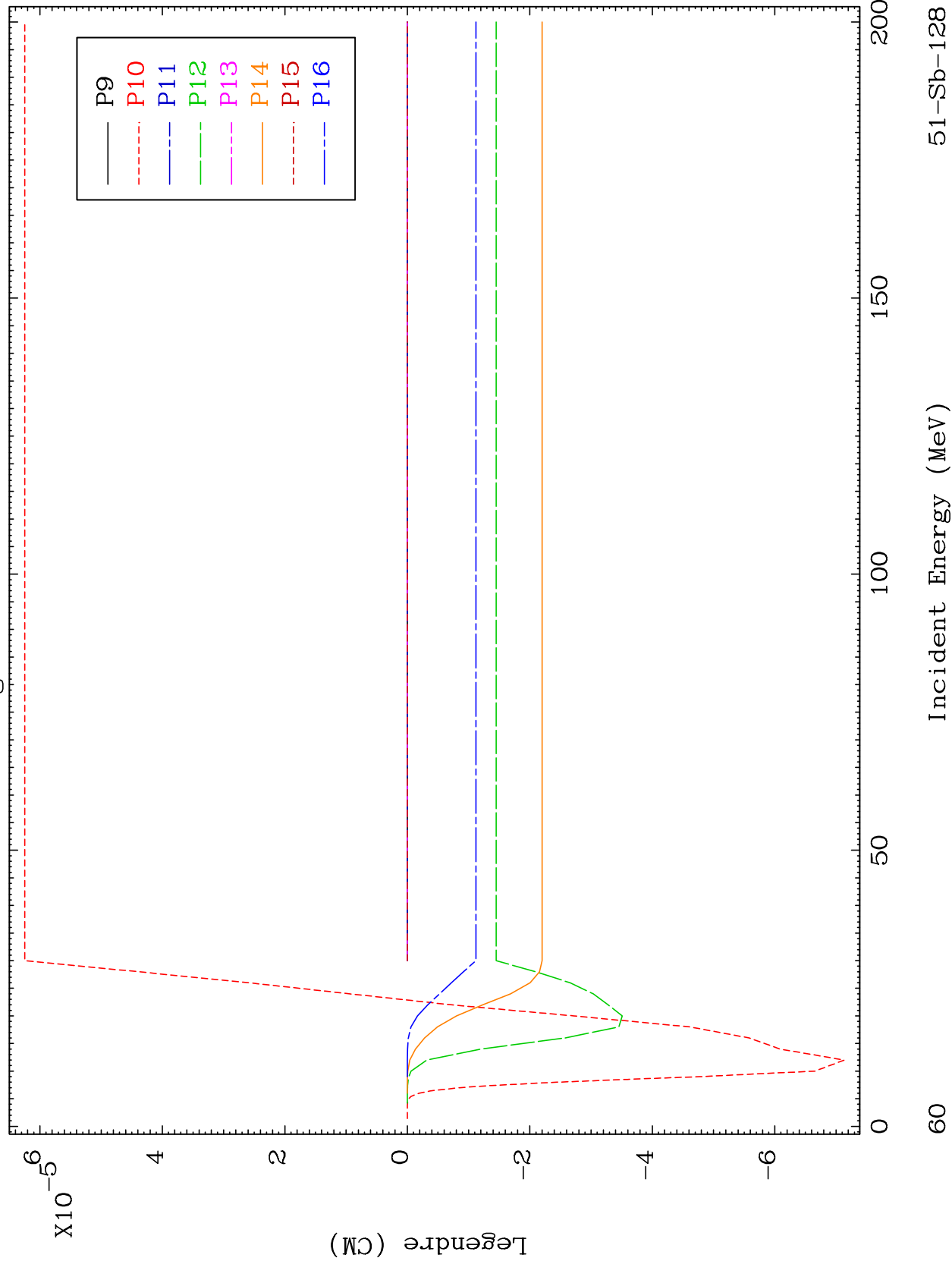
Incident Energy (MeV)

59

MAT 5146

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

51-Sb-128

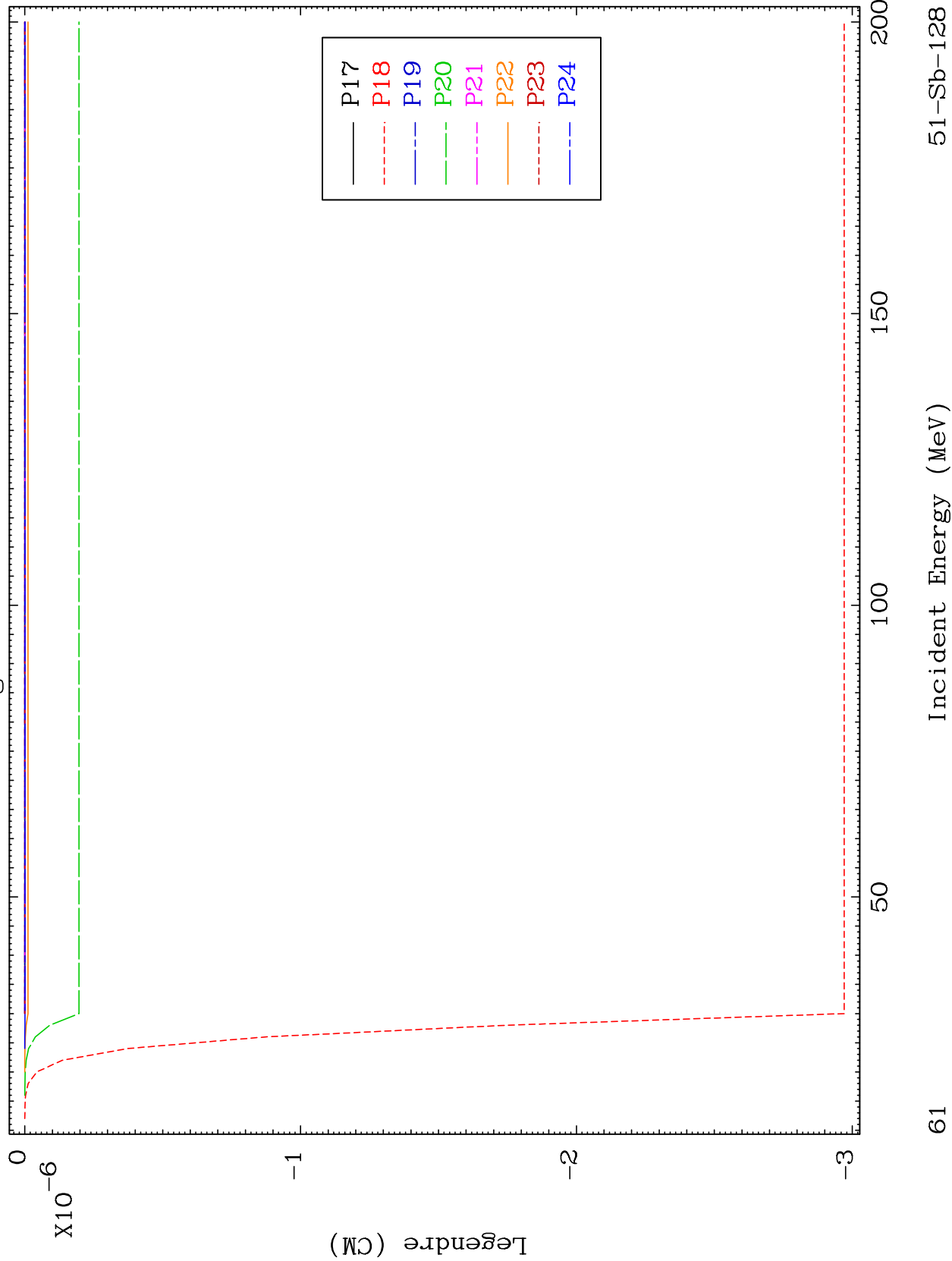


51-Sb-128

MAT 5146

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

51-Sb-128



61

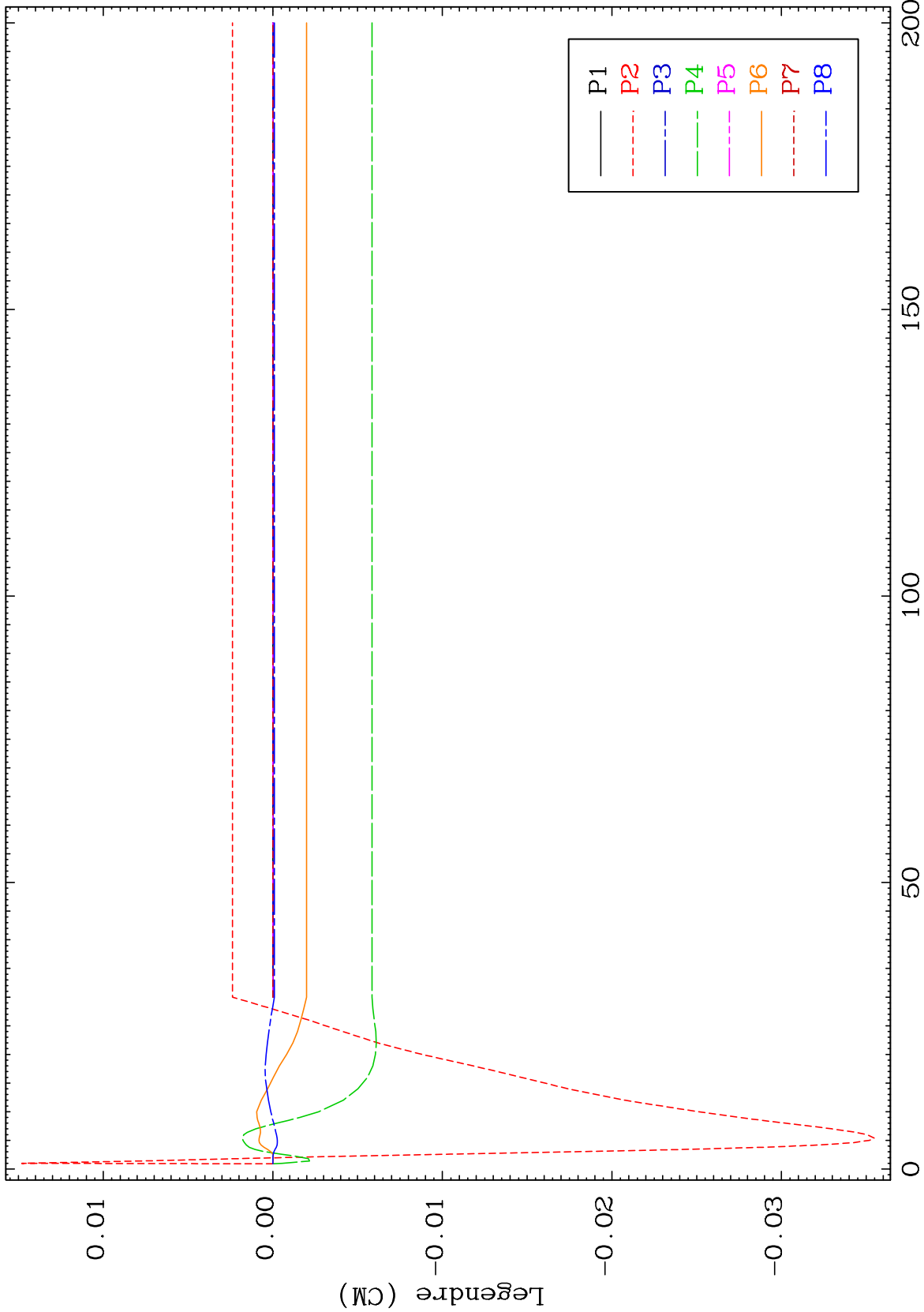
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



62

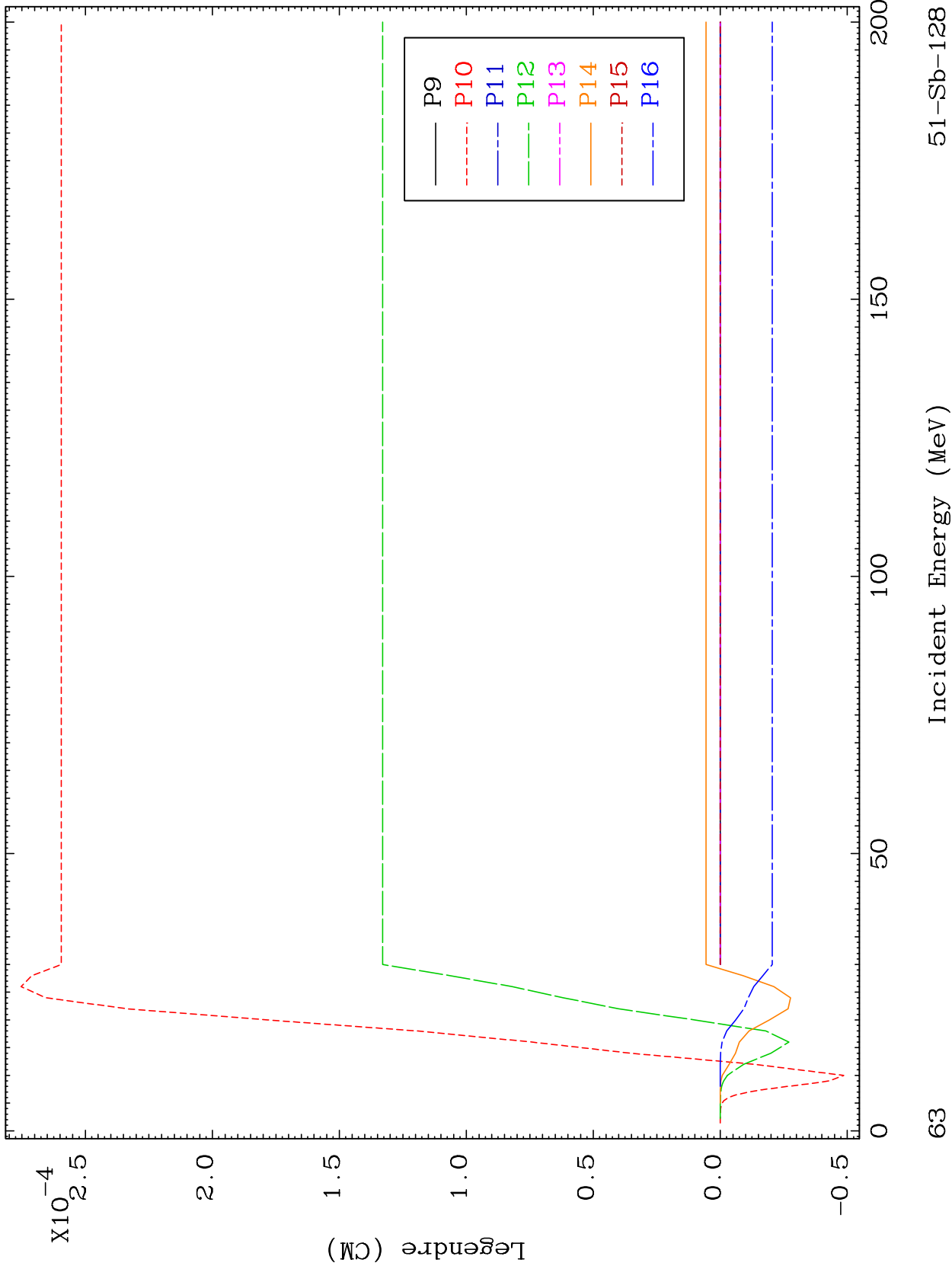
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

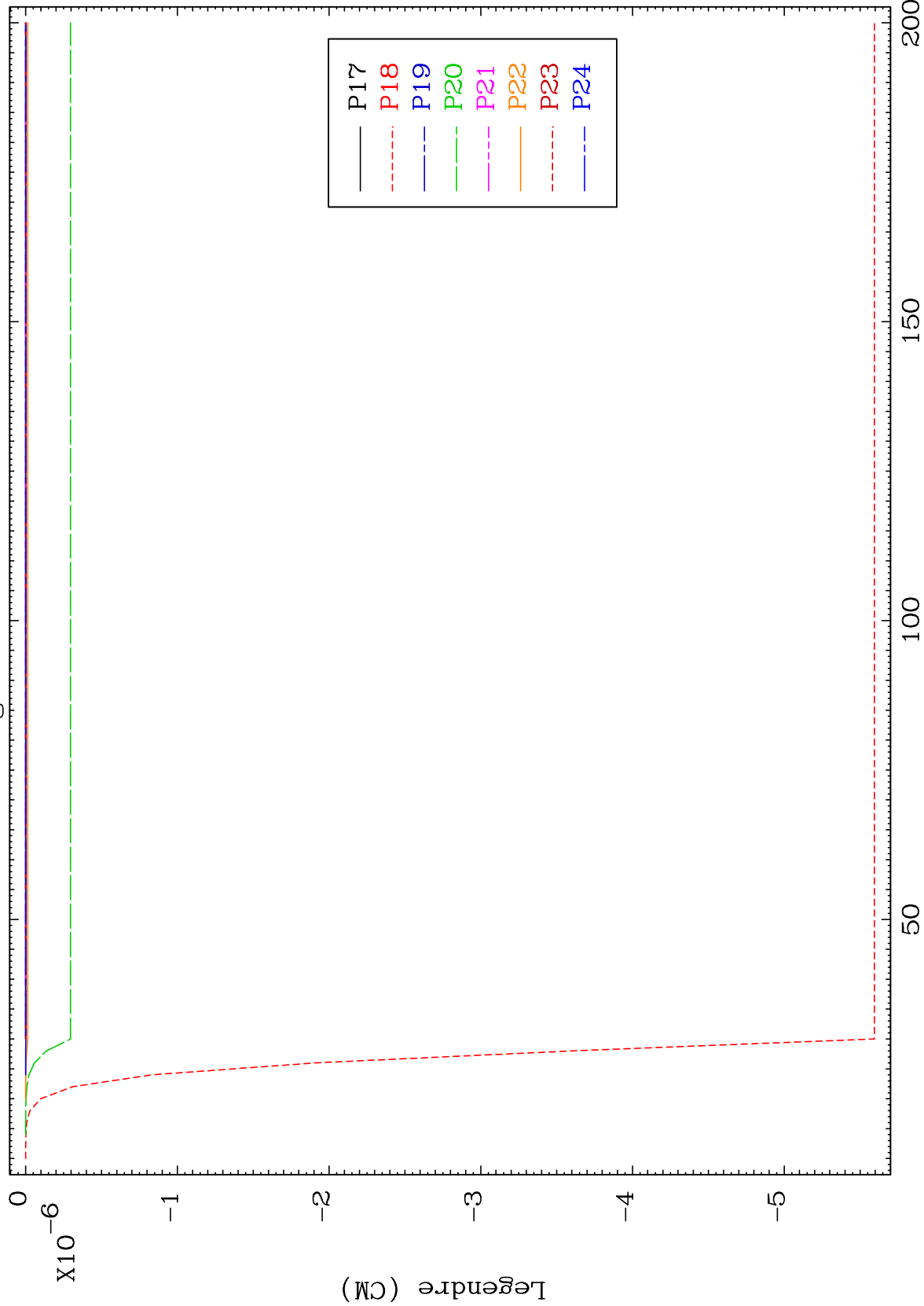
51-Sb-128



MAT 5146

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

51-Sb-128



64

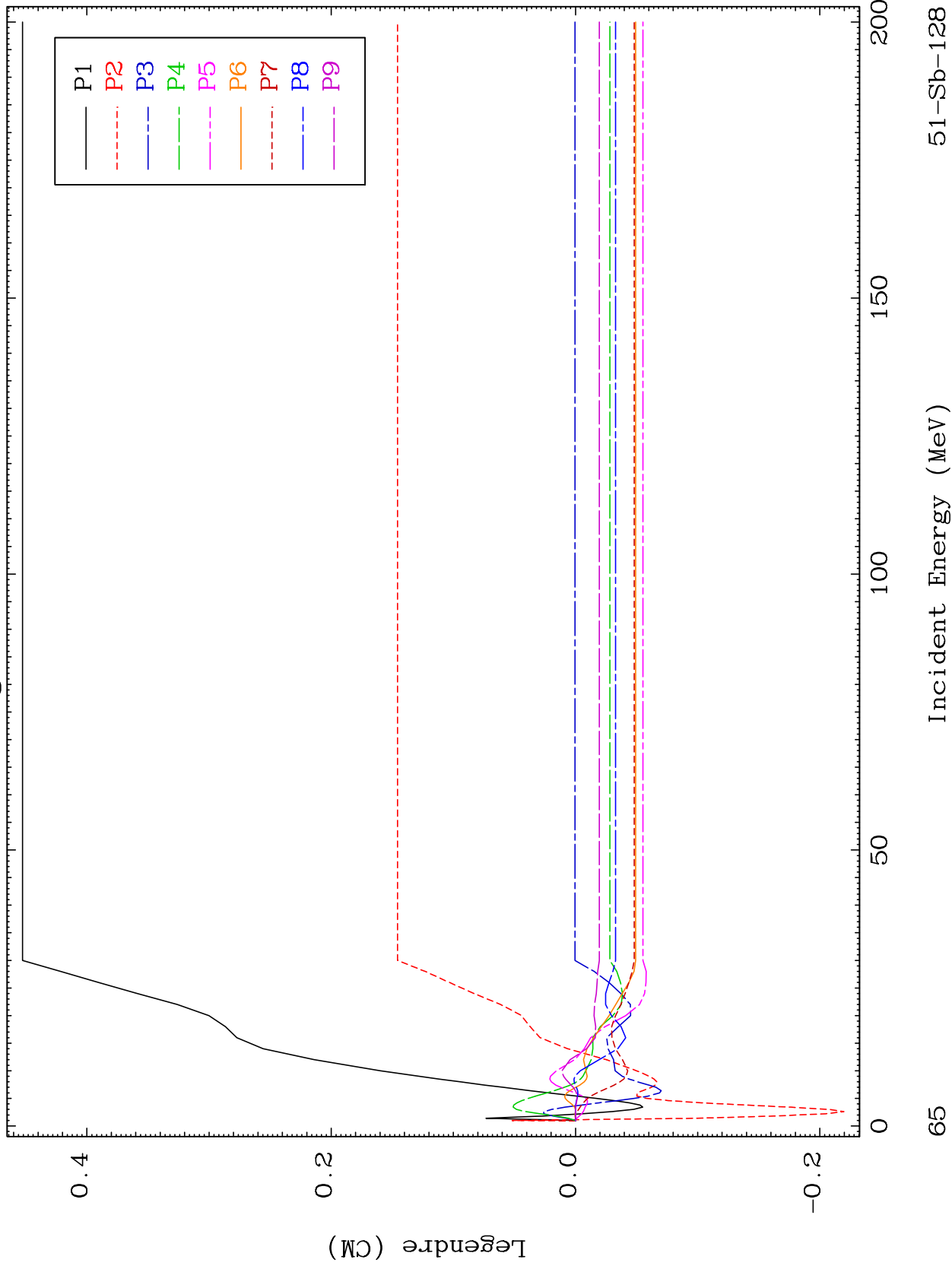
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



51-Sb-128

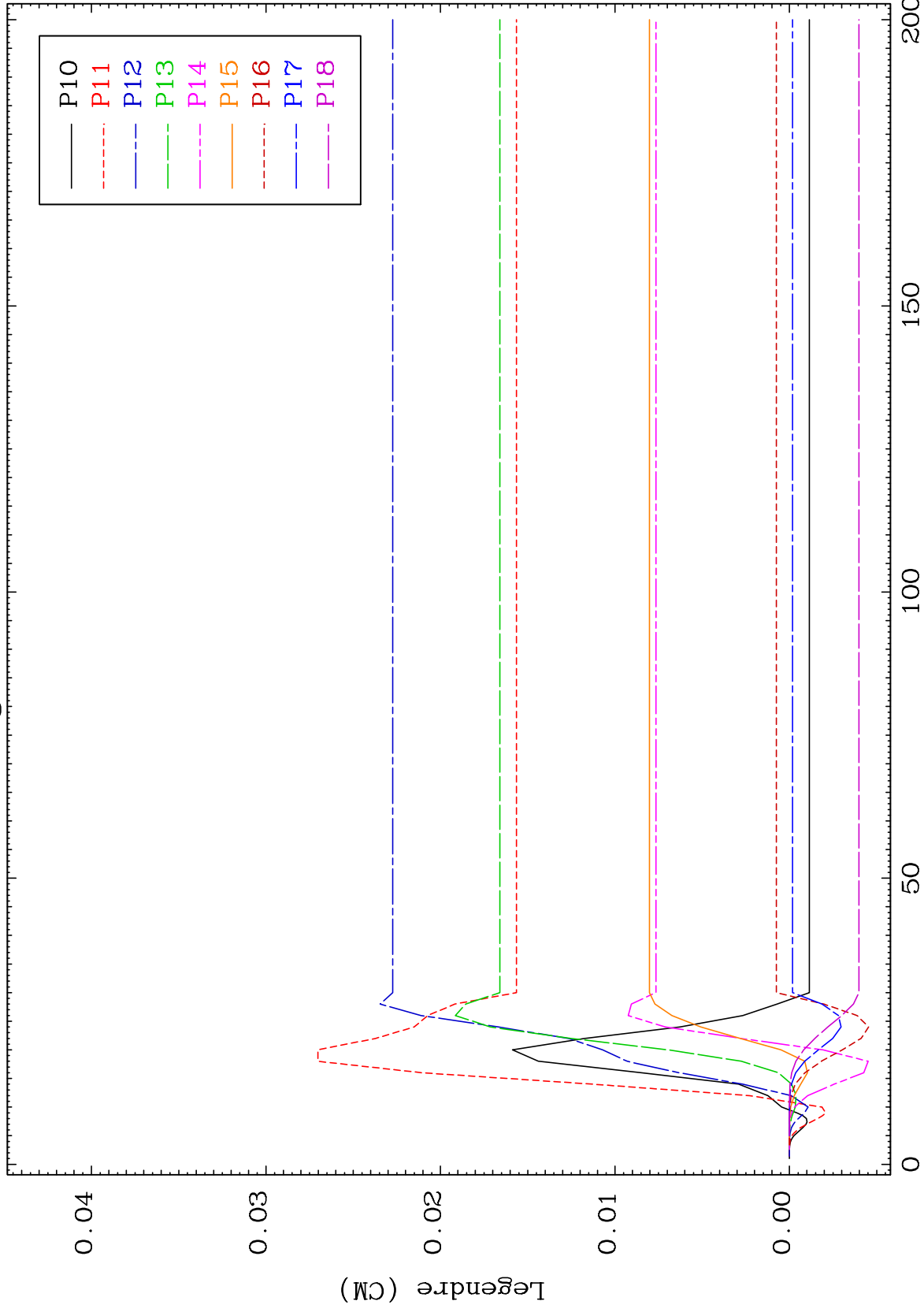
Incident Energy (MeV)

65

MAT 5146

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

51-Sb-128



66

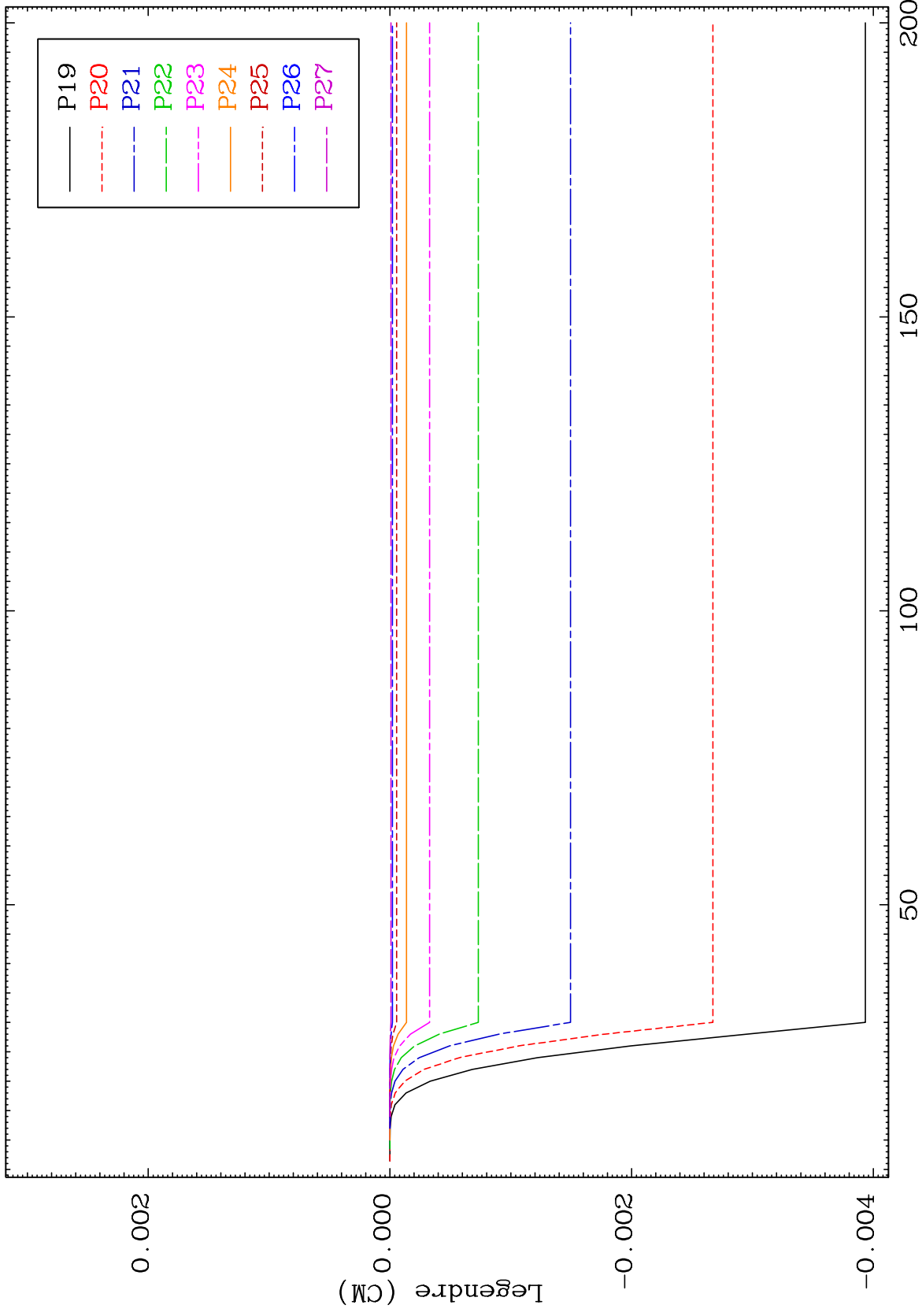
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



67

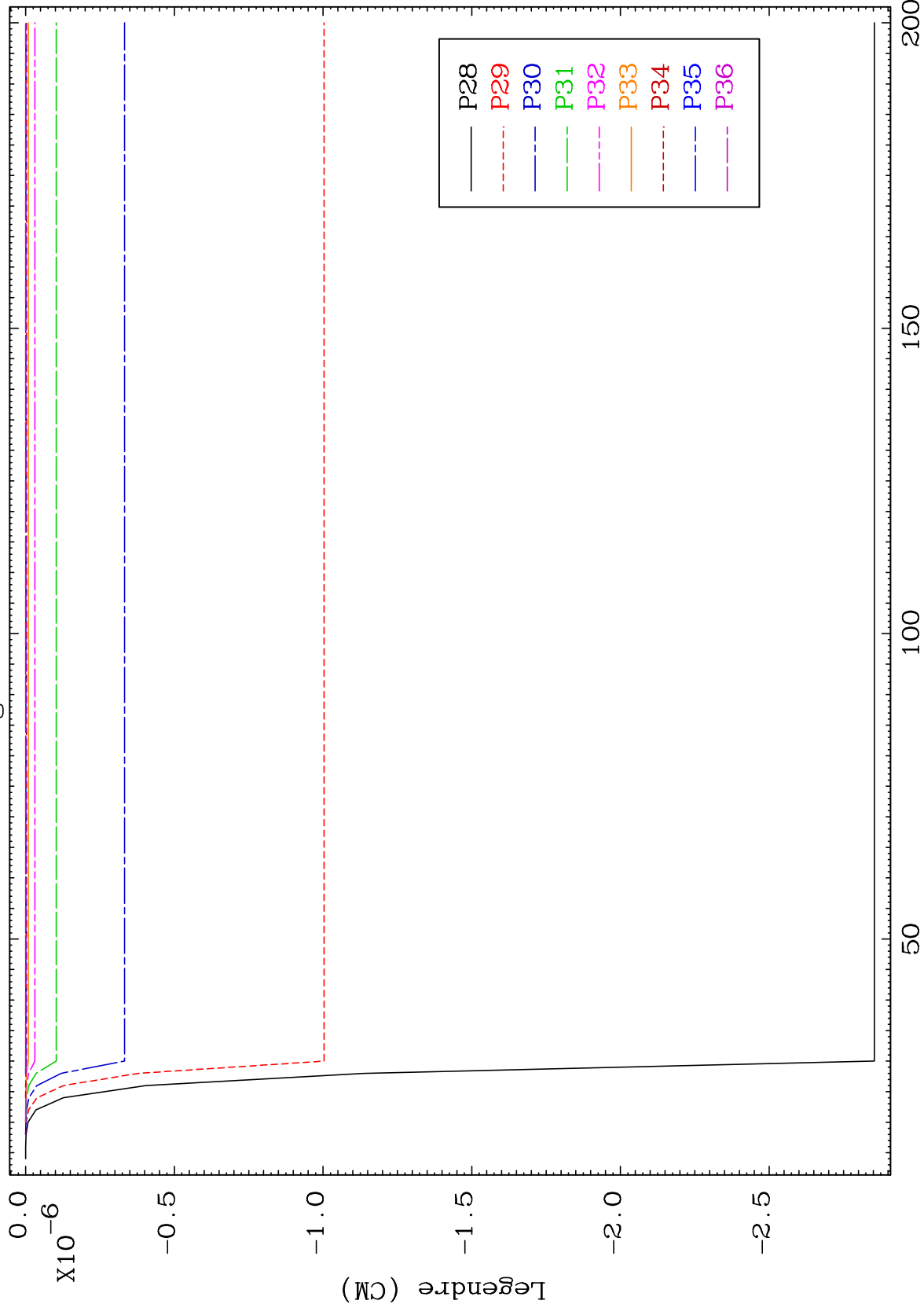
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



68

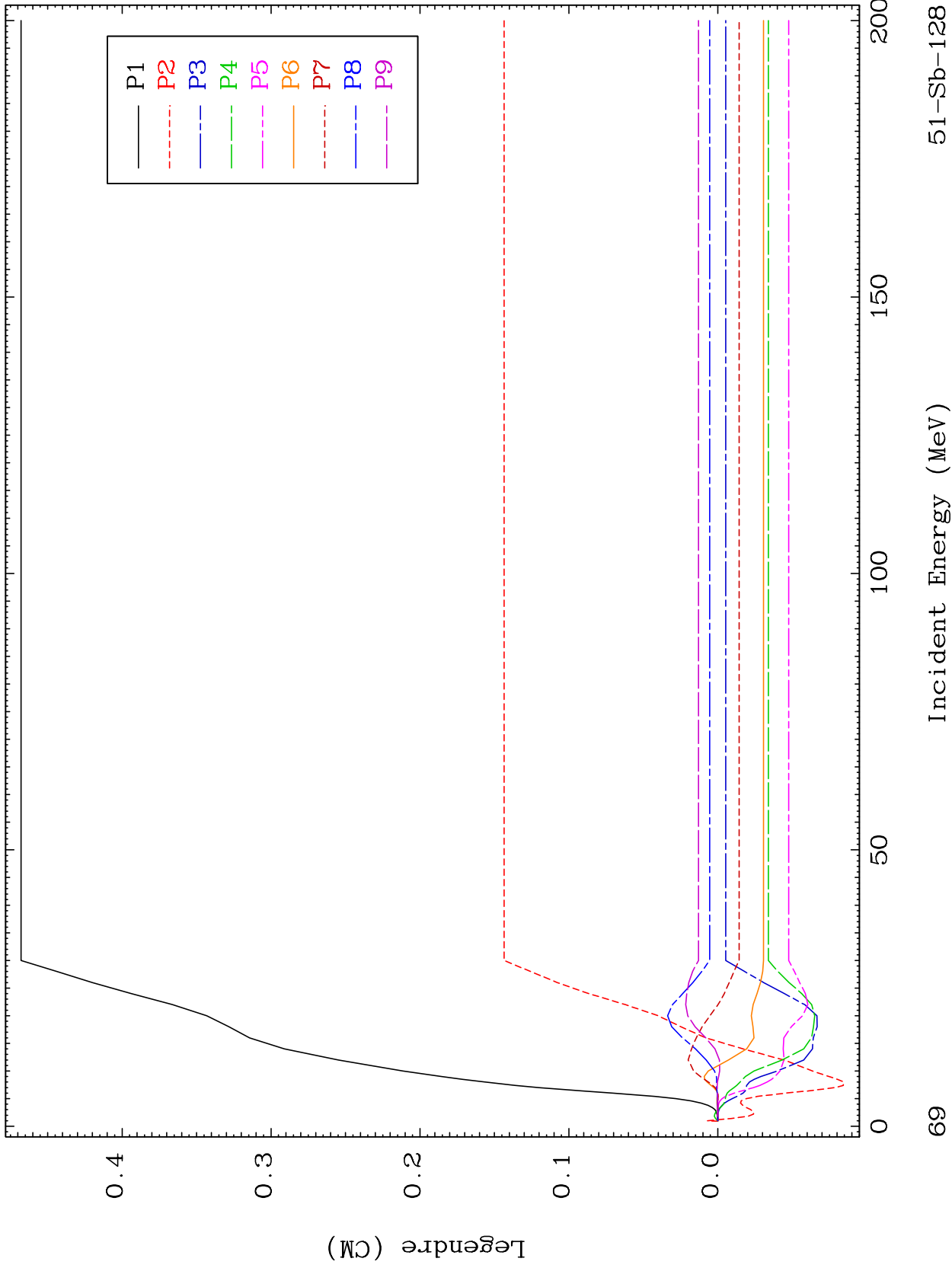
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



51-Sb-128

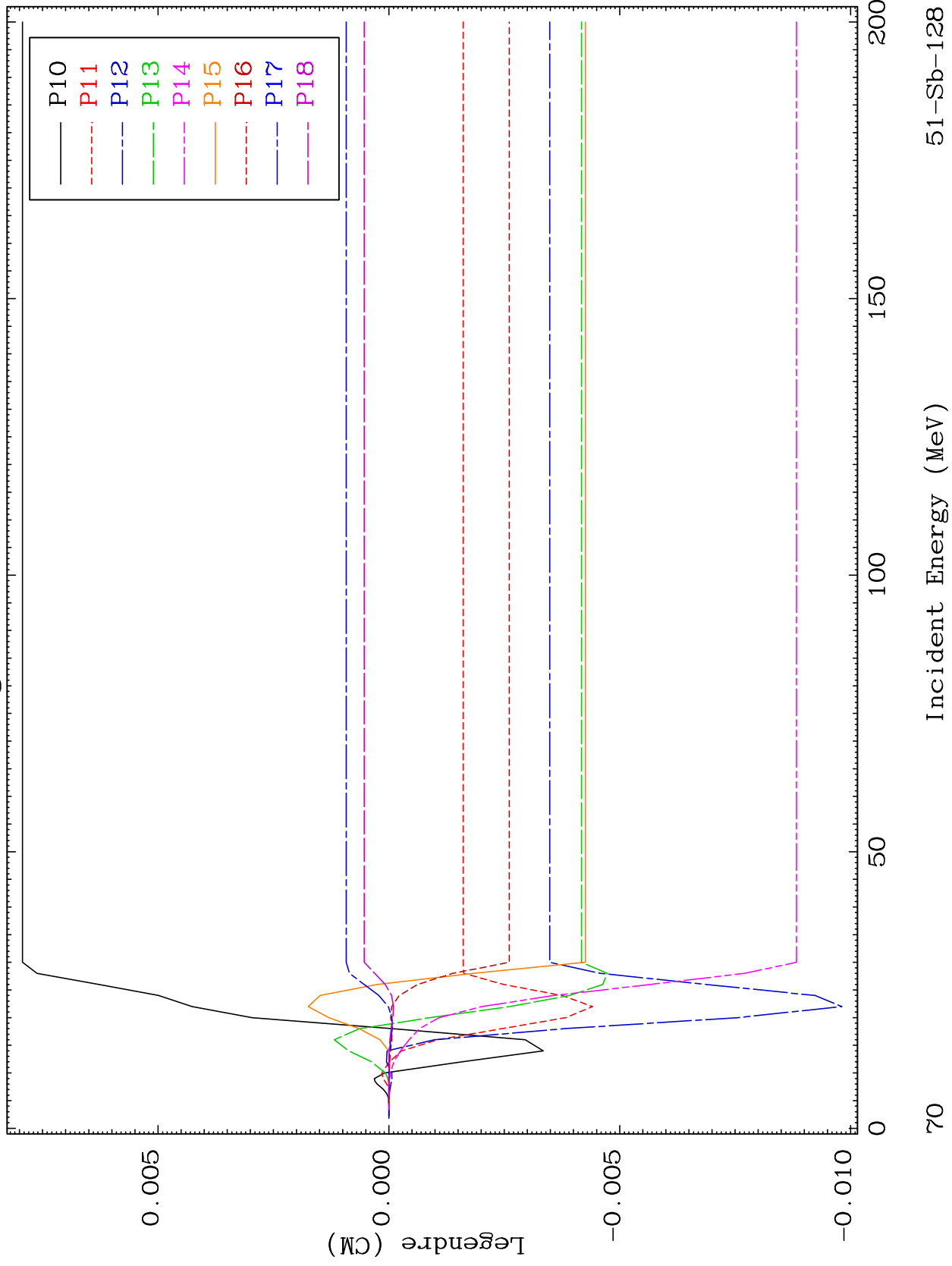
Incident Energy (MeV)

69

MAT 5146

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

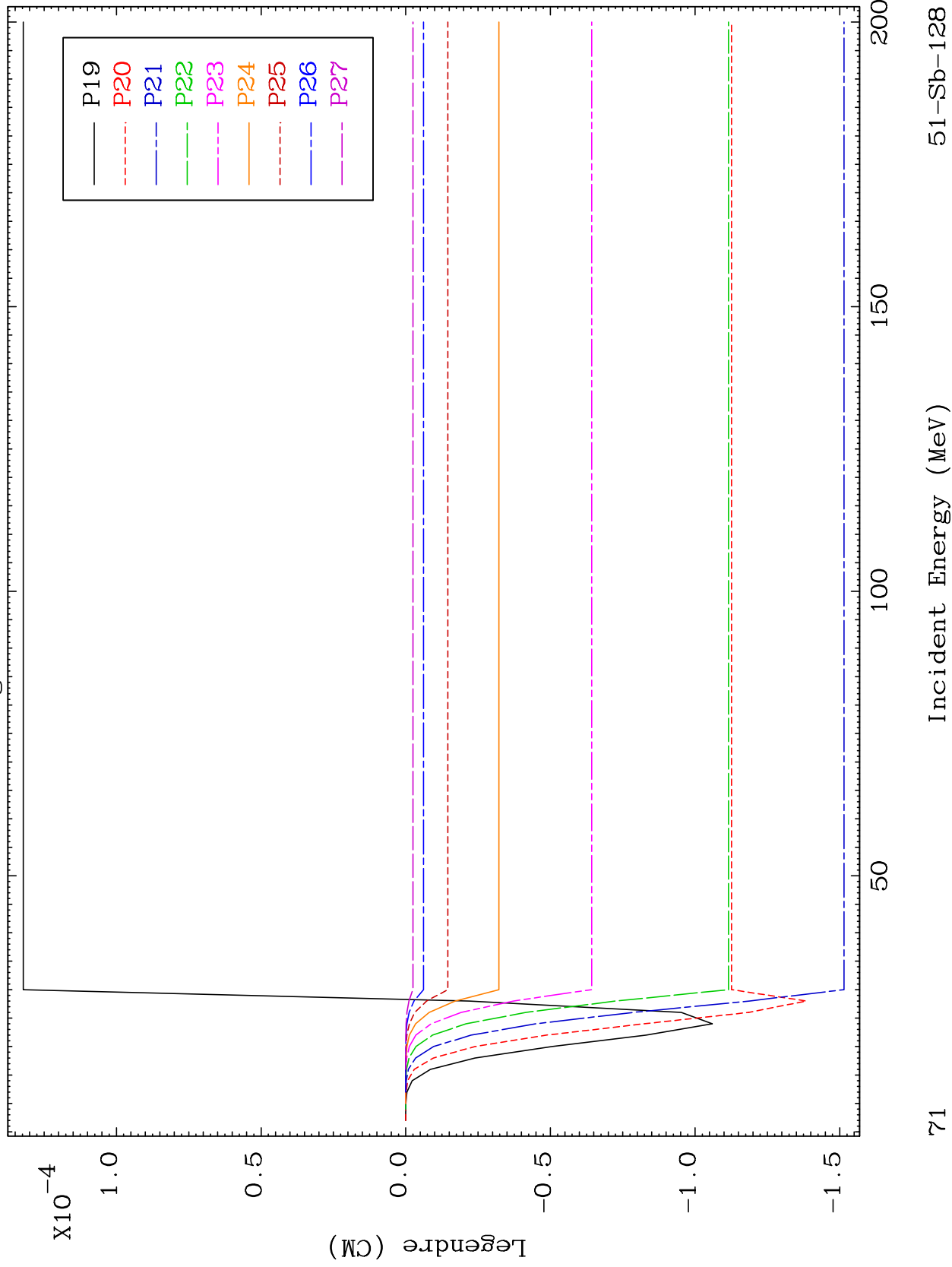
51-Sb-128



51-Sb-128

Incident Energy (MeV)

70

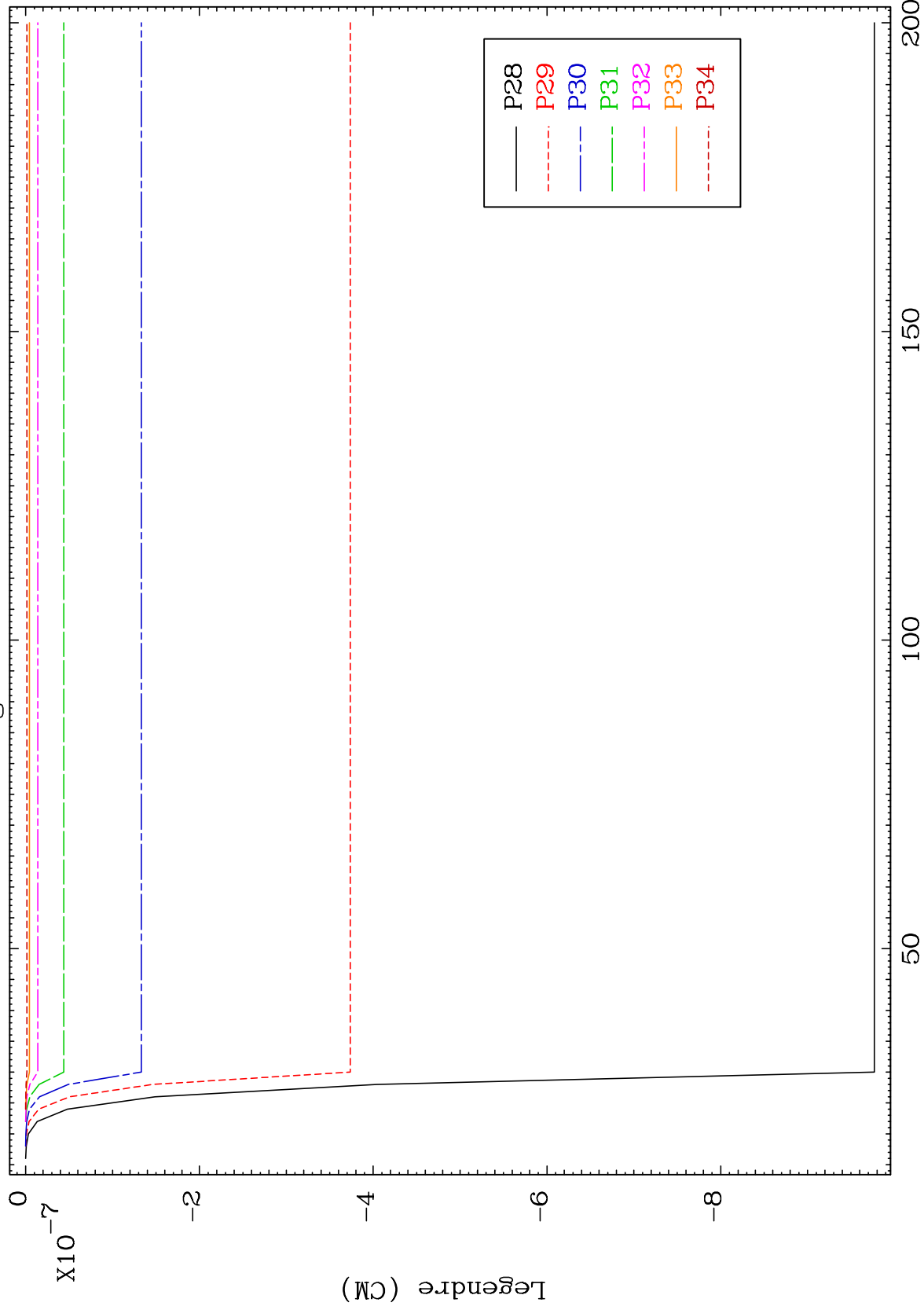


MAT 5146

MT= 65 (n,n') Level

51-Sb-128

Legendre Coefficients



72

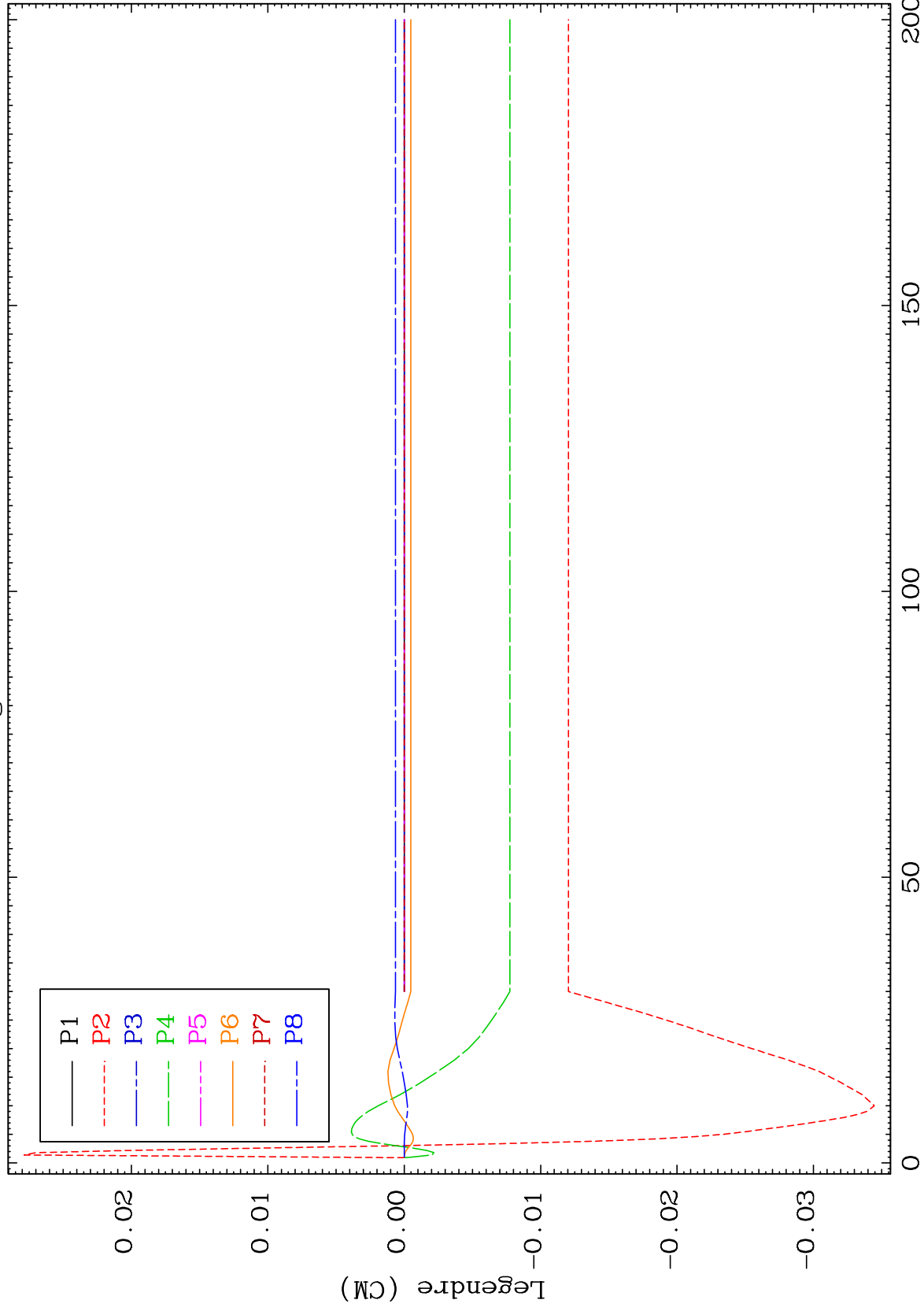
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



73

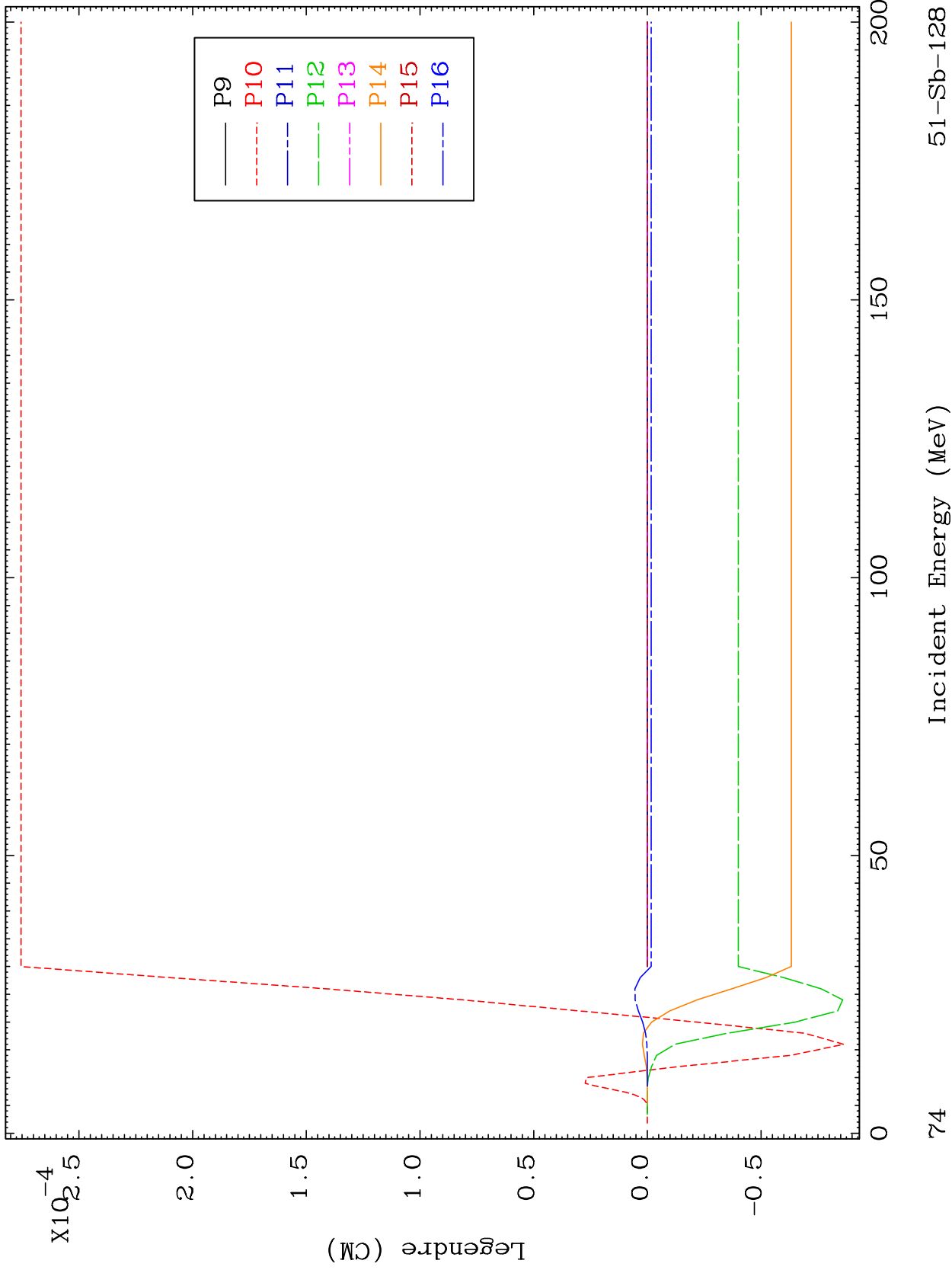
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

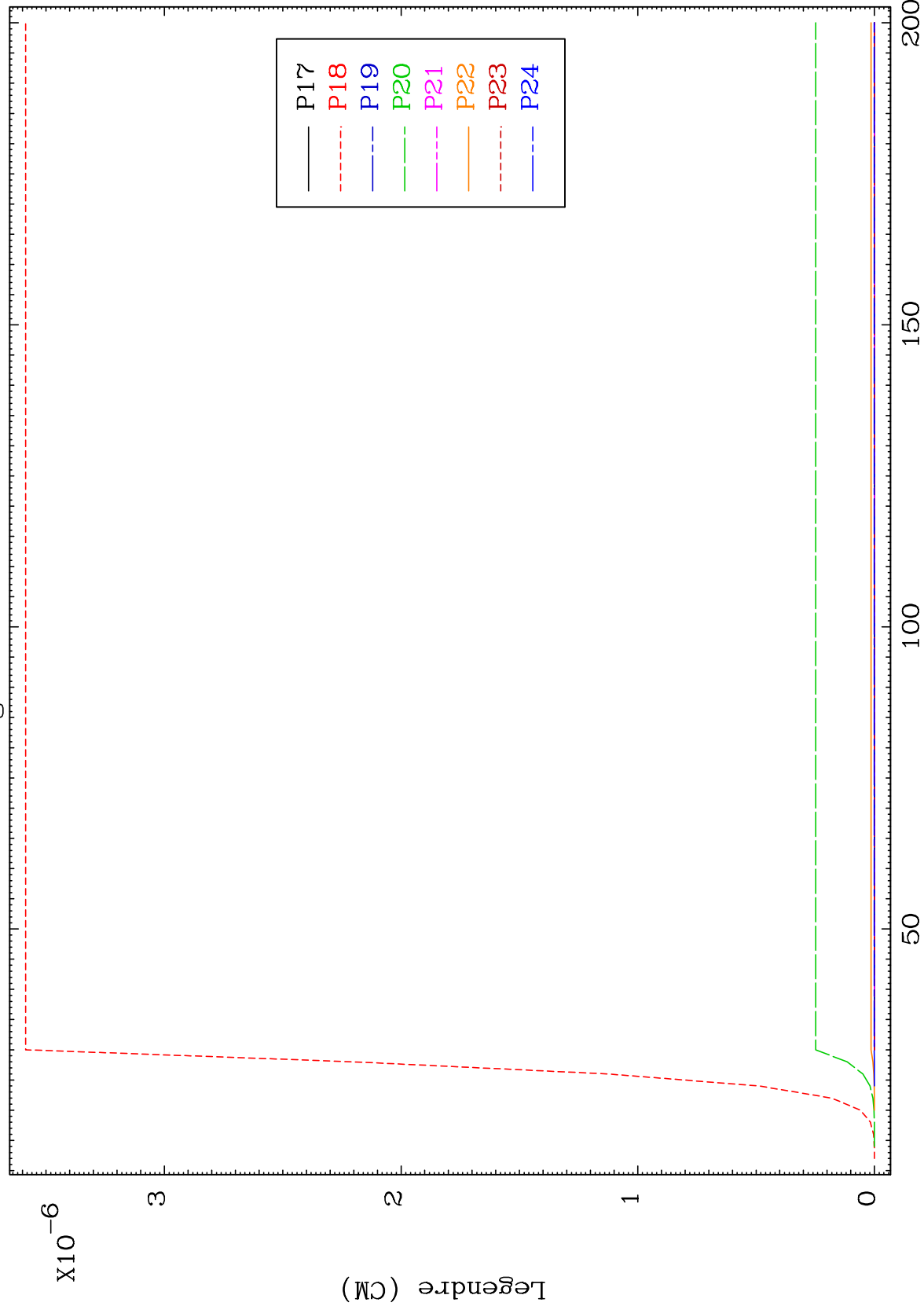
51-Sb-128



MAT 5146

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

51-Sb-128



51-Sb-128

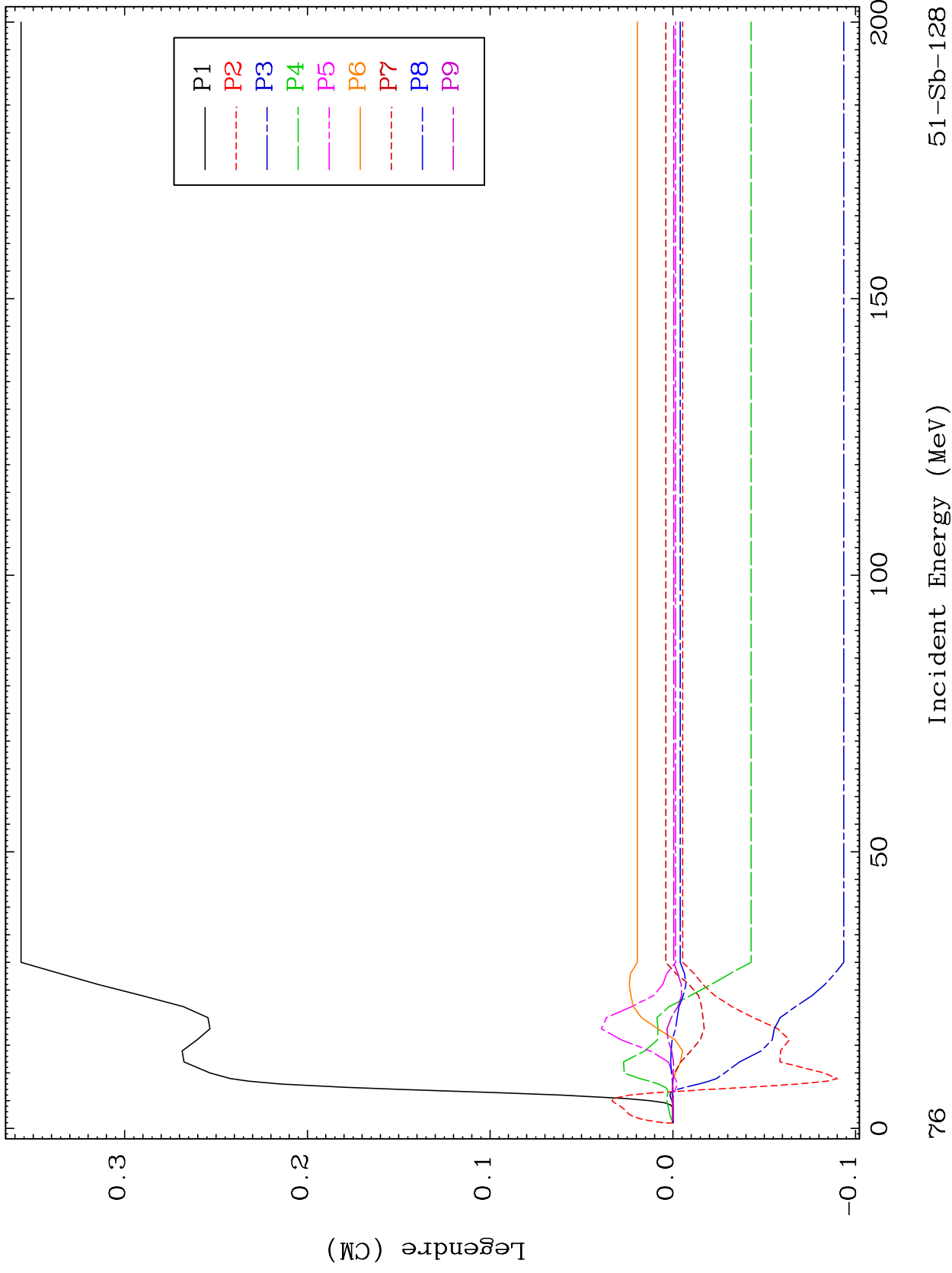
Incident Energy (MeV)

75

MAT 5146

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

51-Sb-128



51-Sb-128

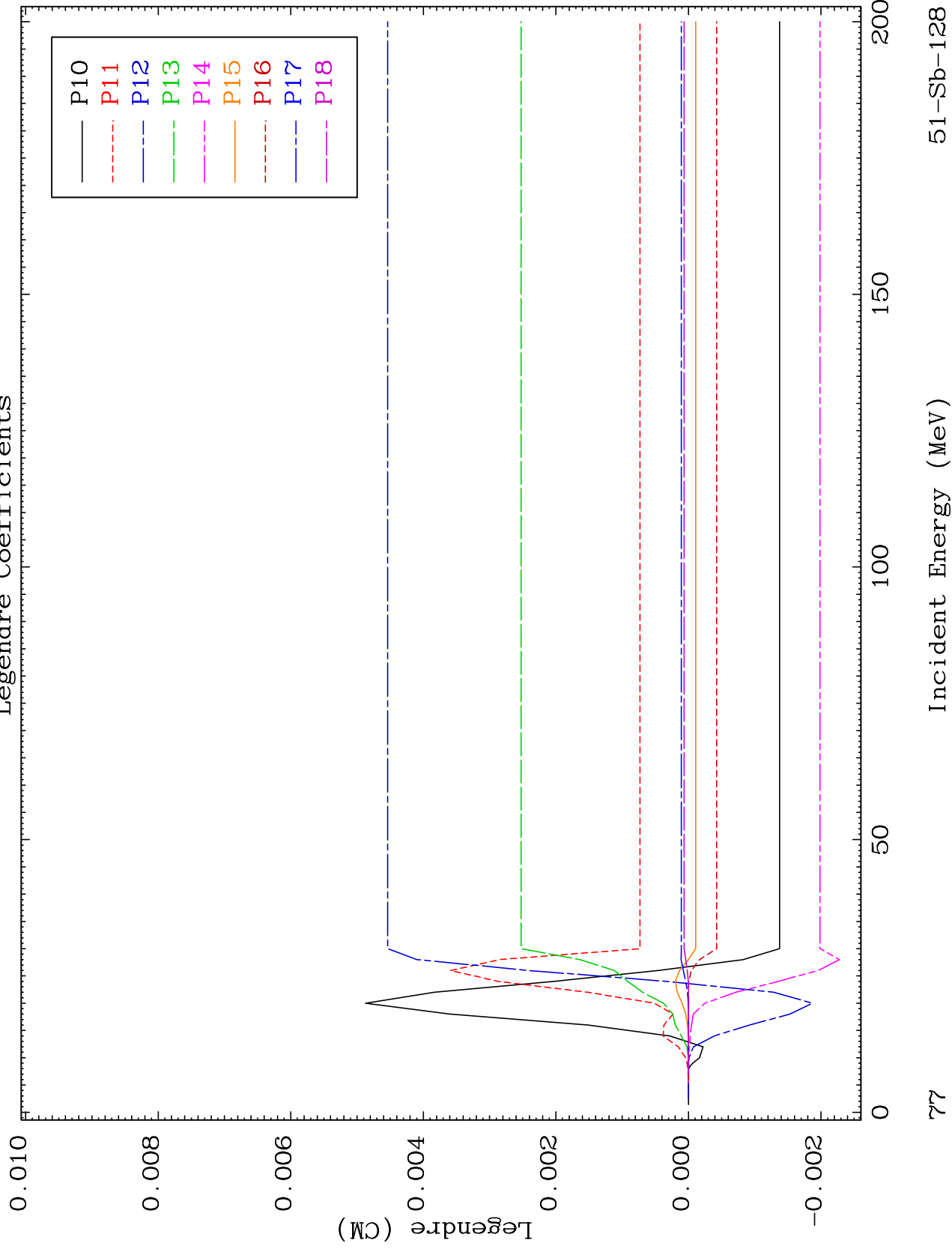
Incident Energy (MeV)

76

MAT 5146

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

51-Sb-128



77

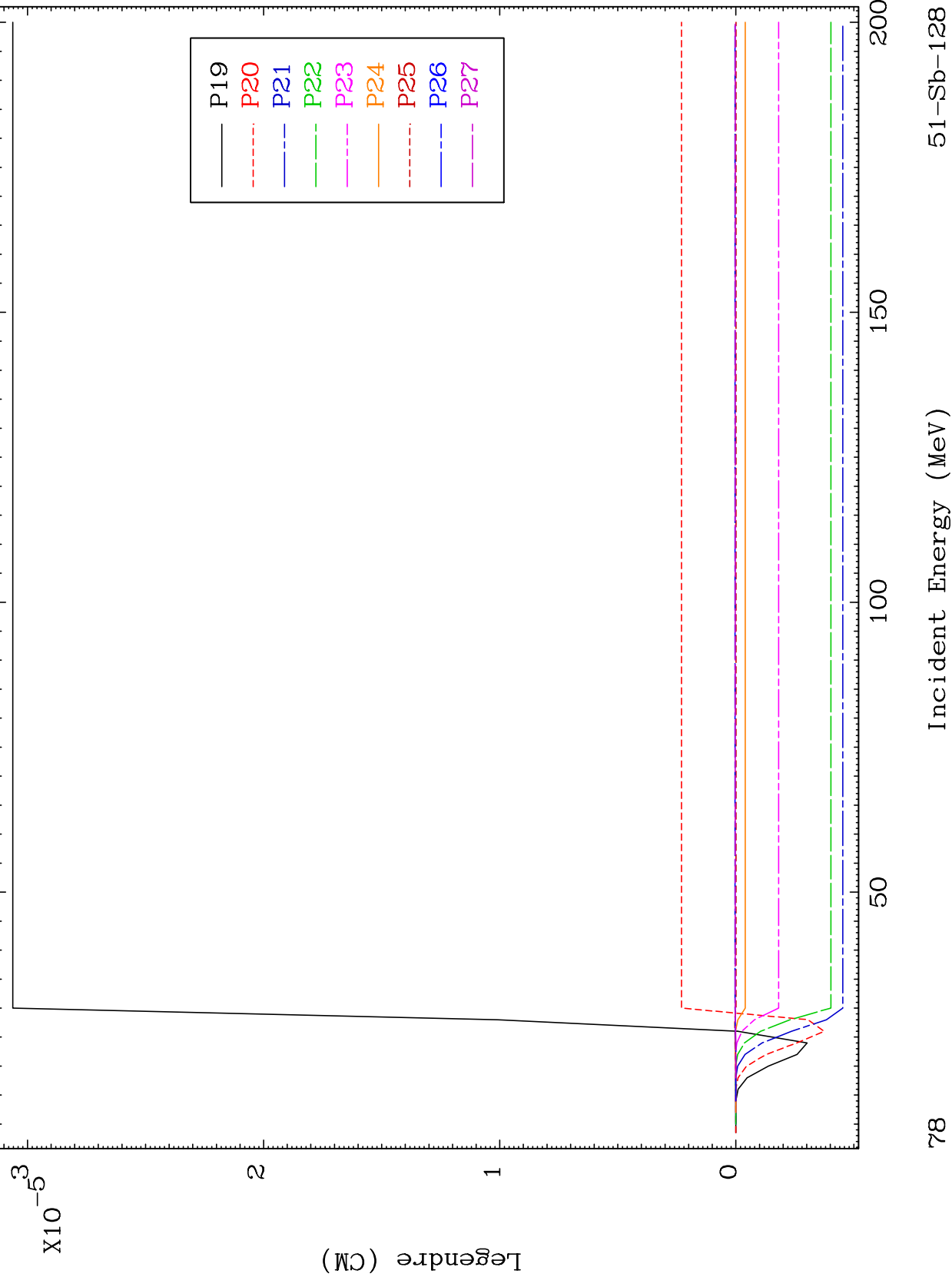
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



78

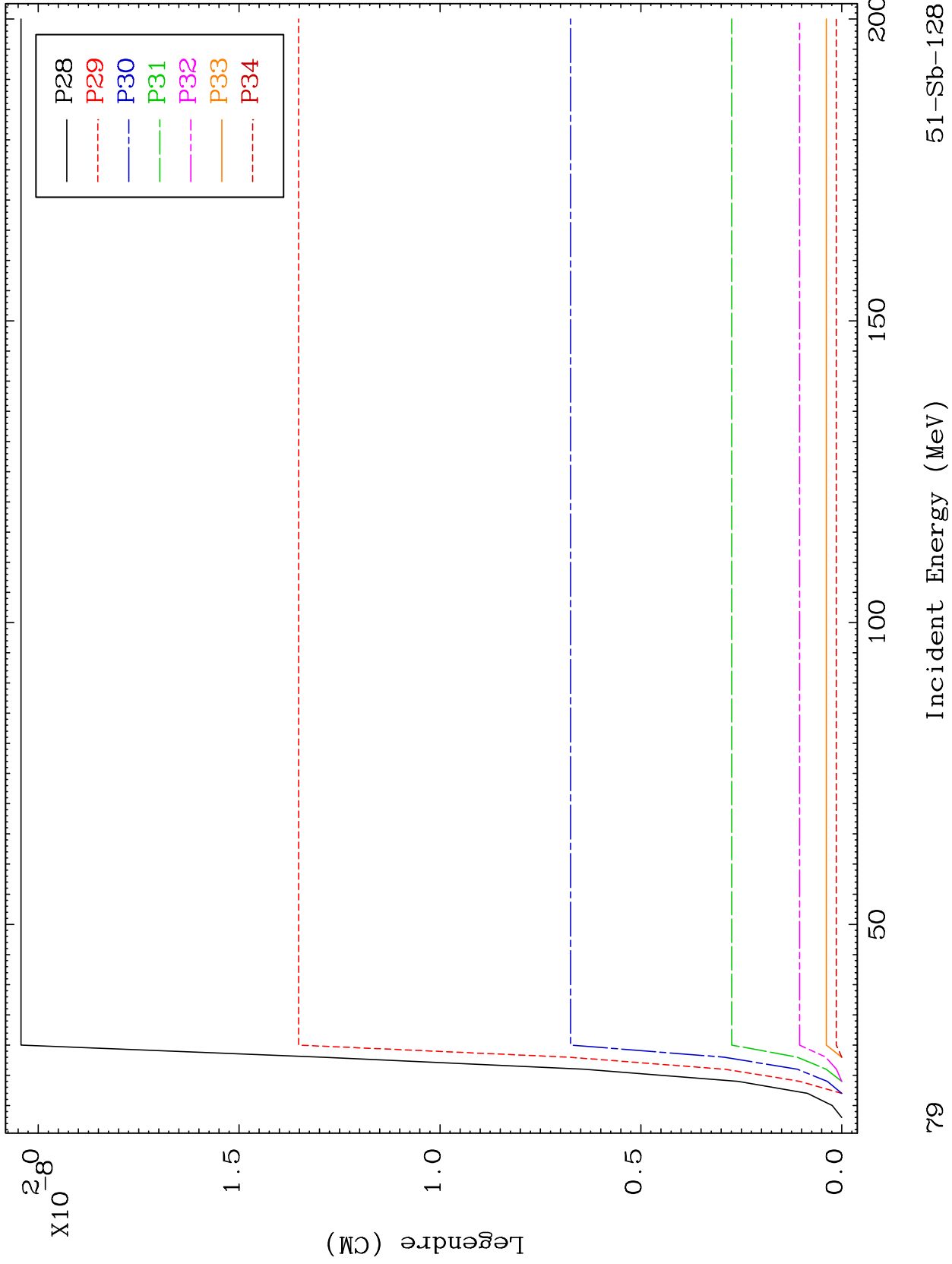
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

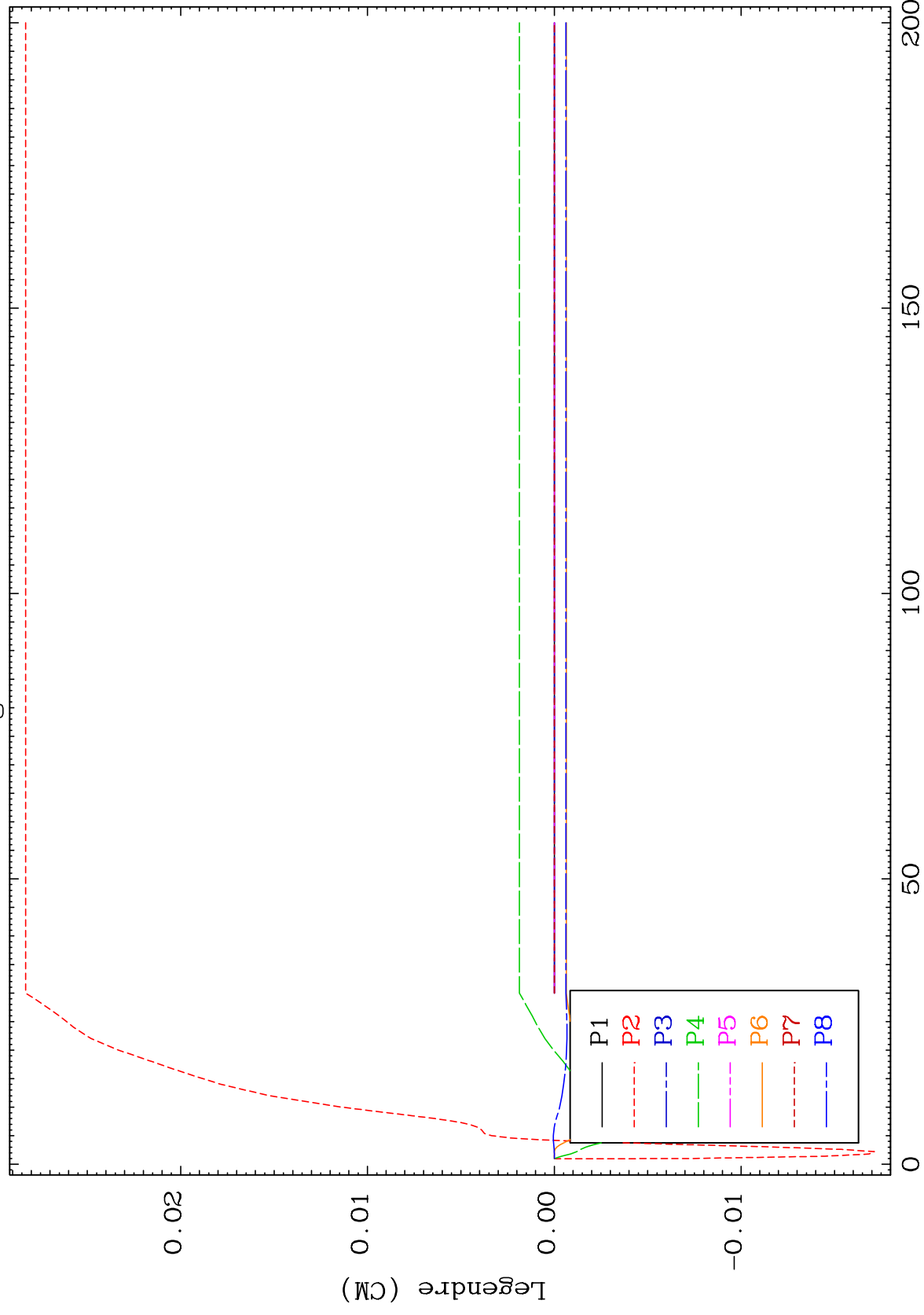
51-Sb-128



MAT 5146

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

51-Sb-128



51-Sb-128

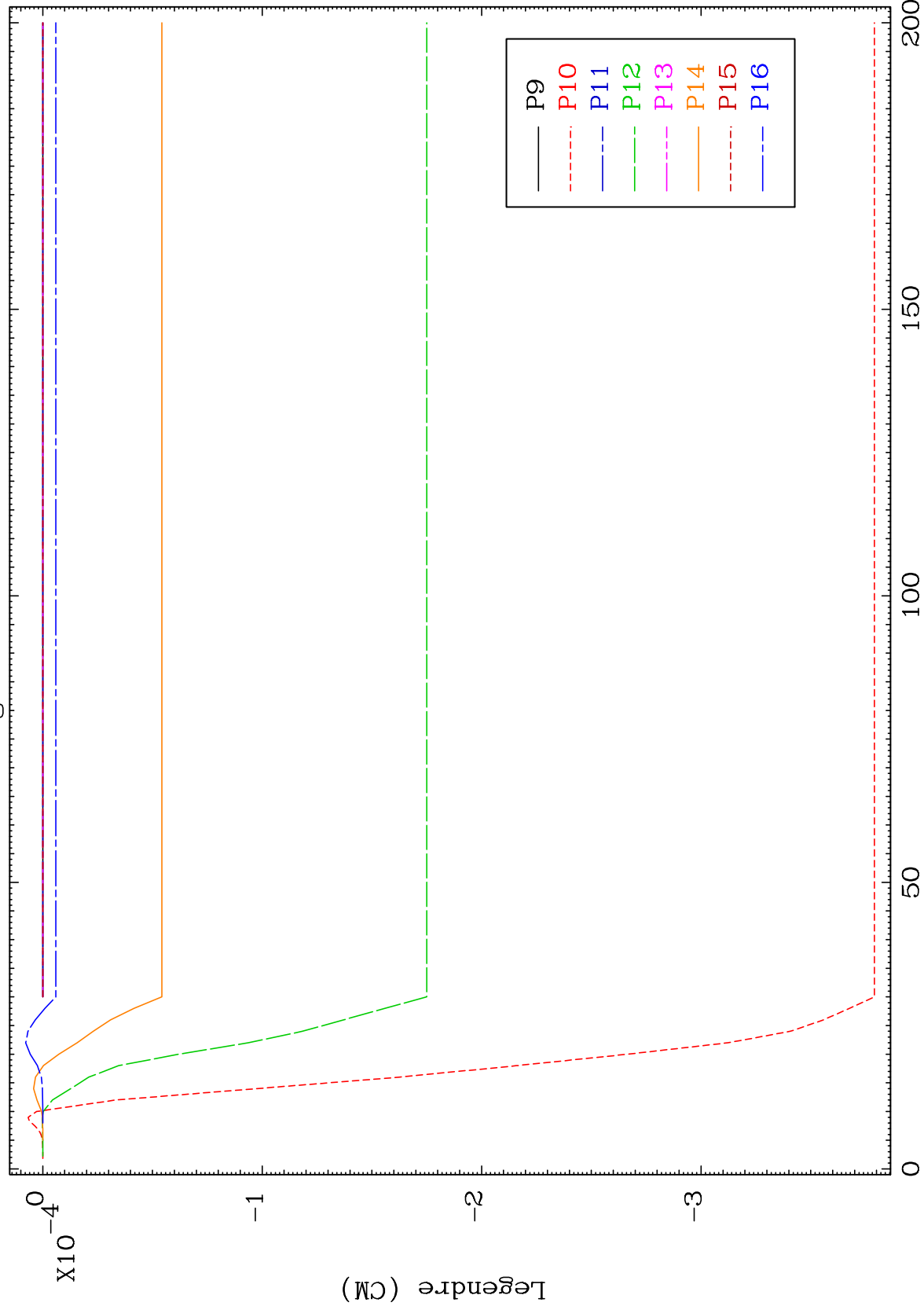
Incident Energy (MeV)

80

MAT 5146

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

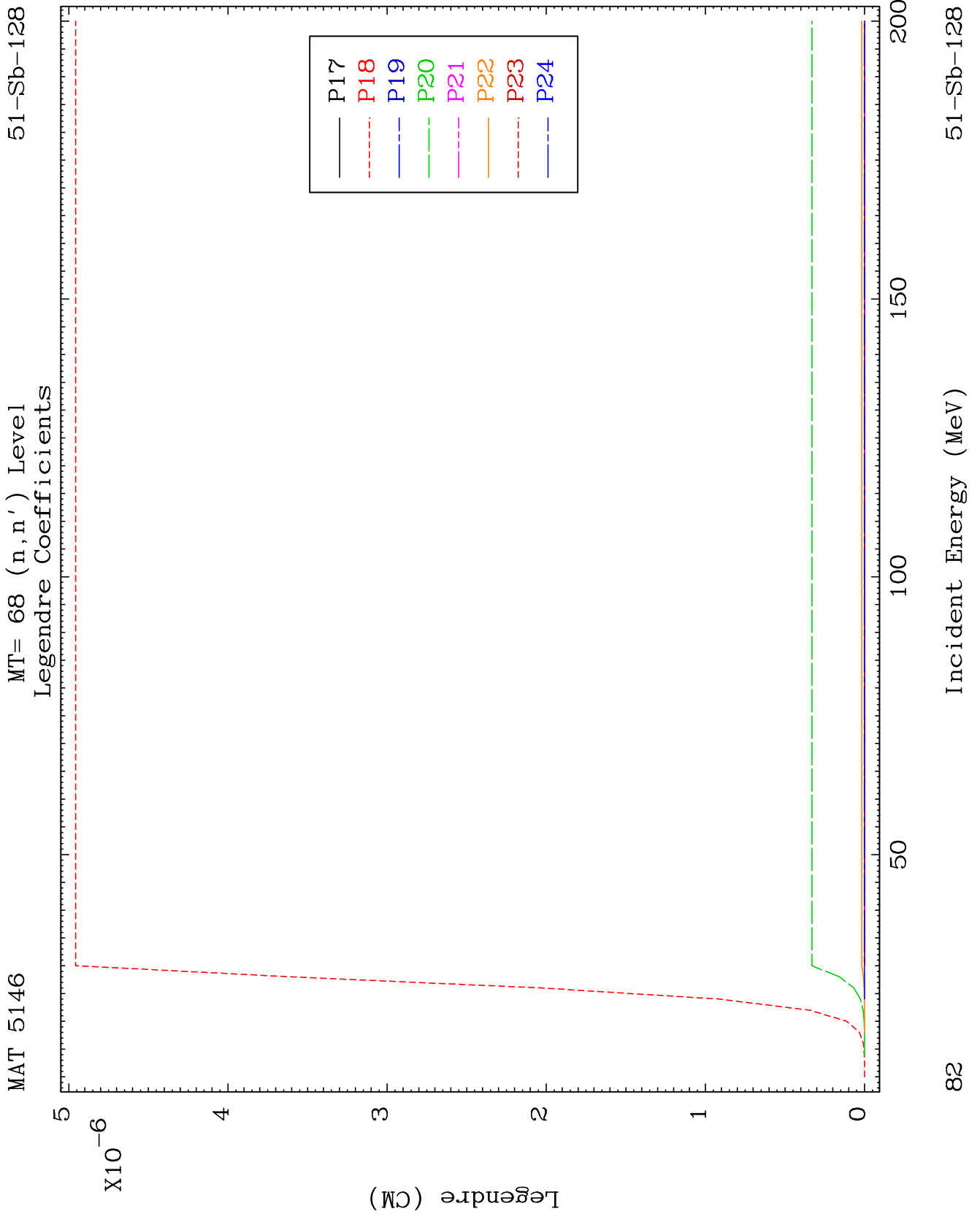
51-Sb-128



81

Incident Energy (MeV)

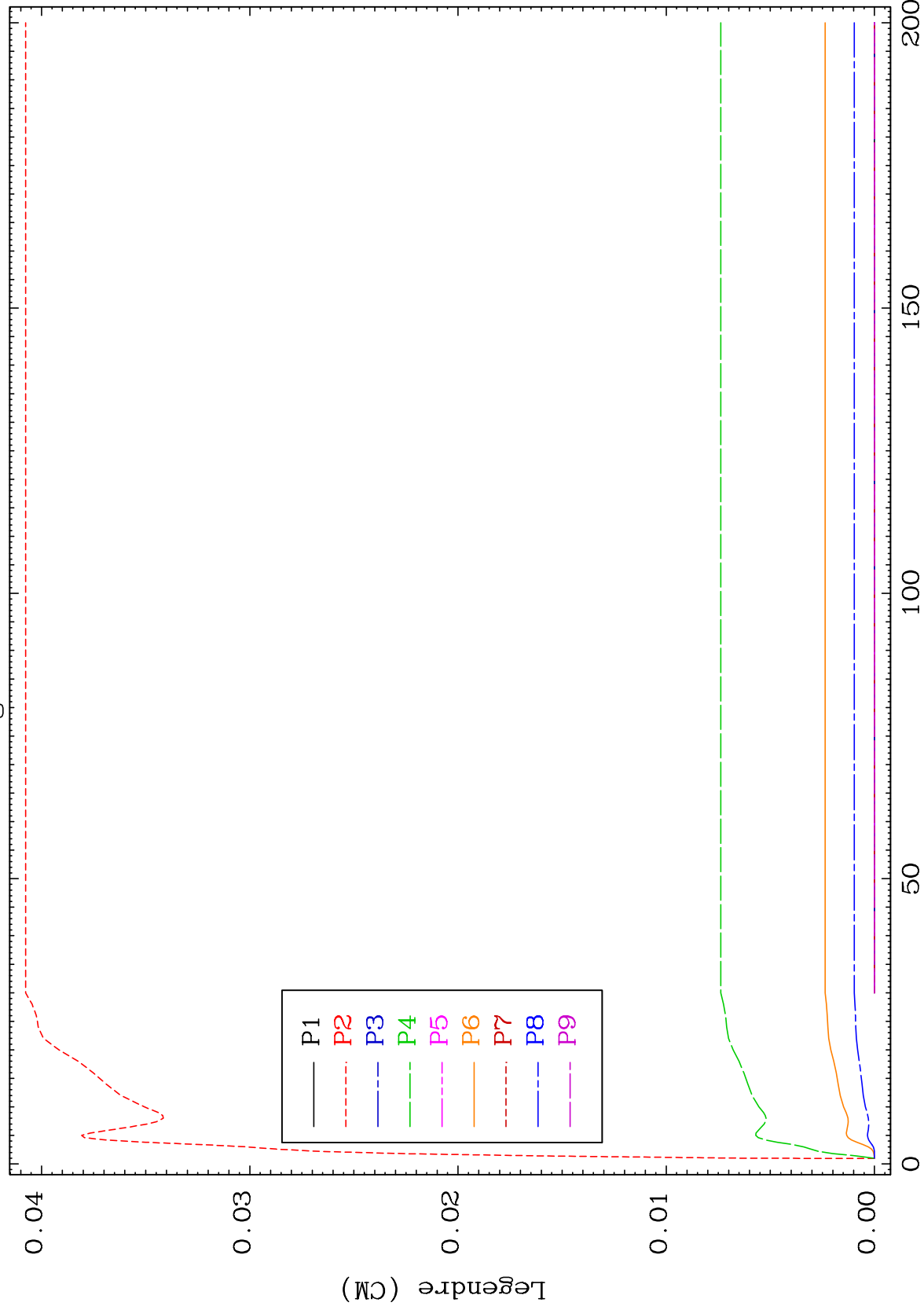
51-Sb-128



MAT 5146

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

51-Sb-128



83

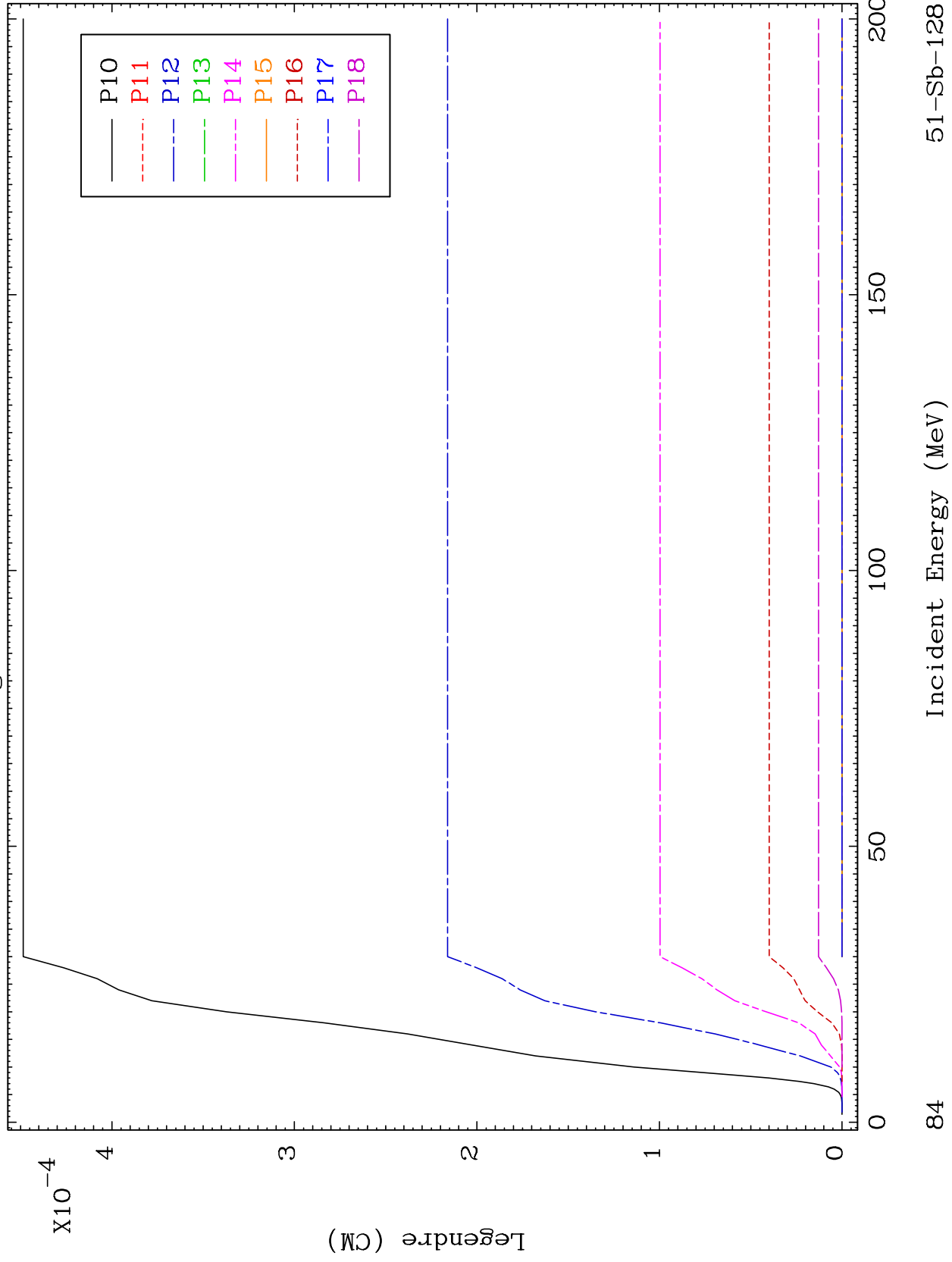
51-Sb-128

Incident Energy (MeV)

MAT 5146

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

51-Sb-128



51-Sb-128

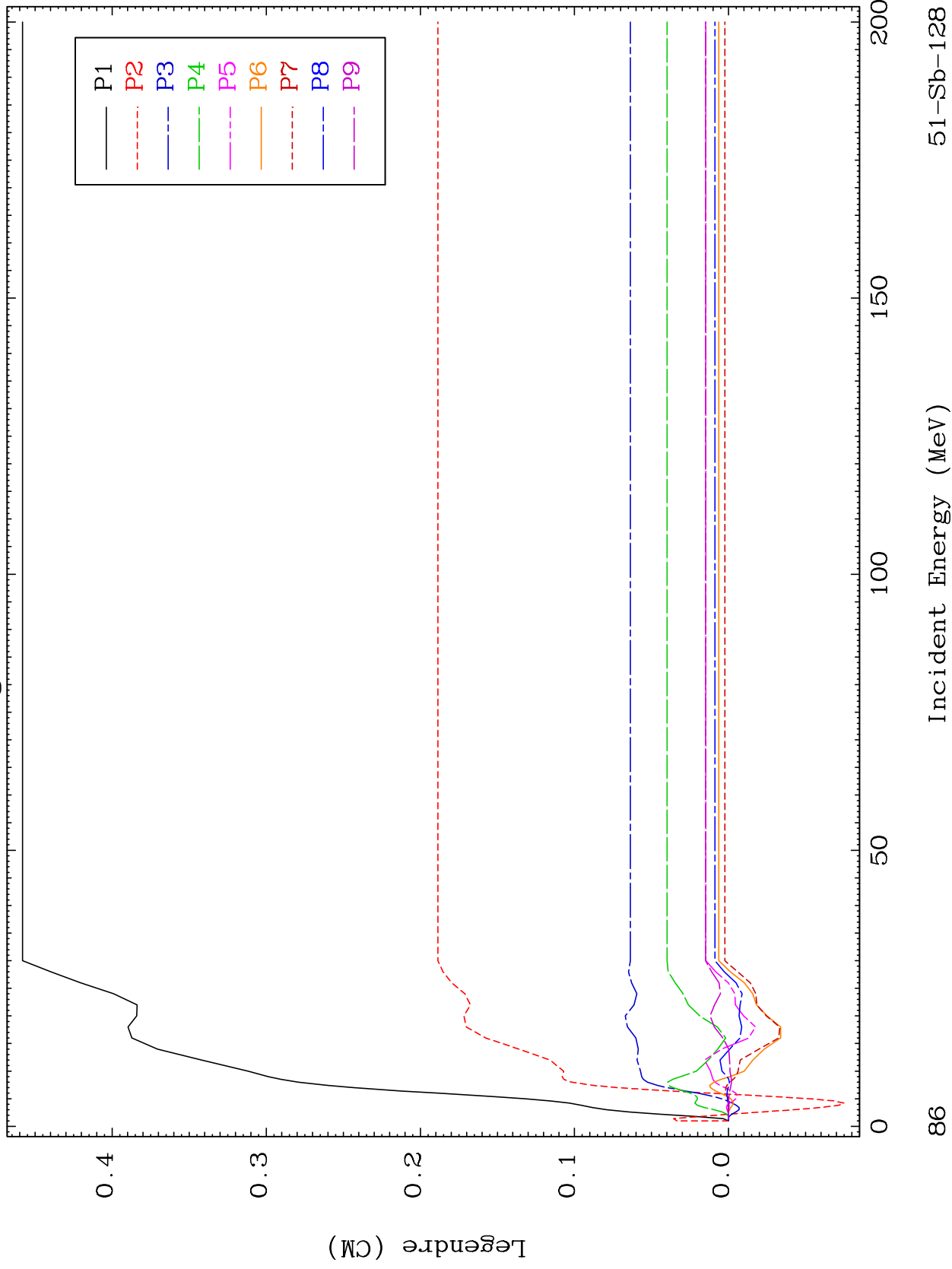
Incident Energy (MeV)

84

MAT 5146

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

51-Sb-128



51-Sb-128

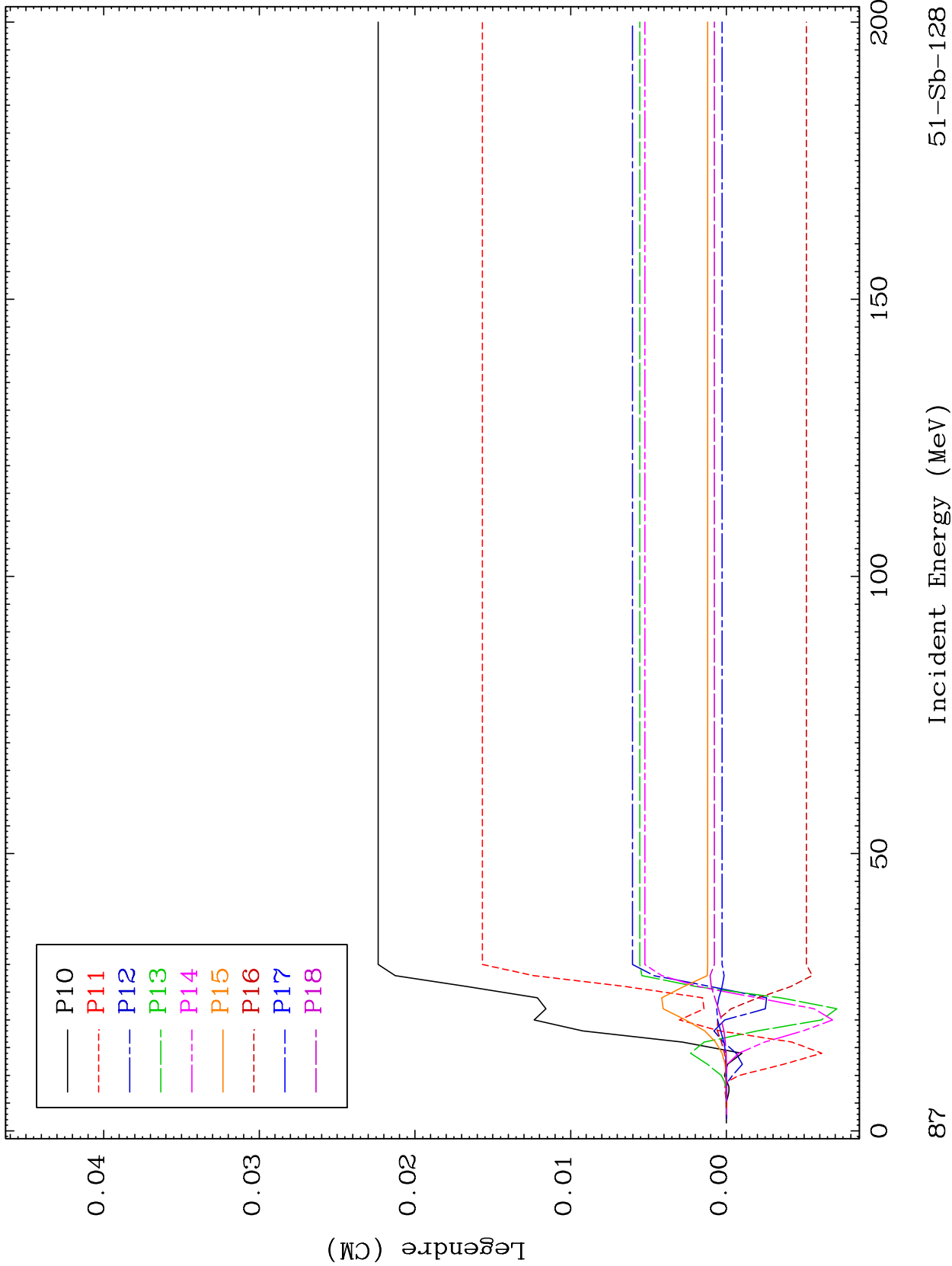
Incident Energy (MeV)

86

MAT 5146

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

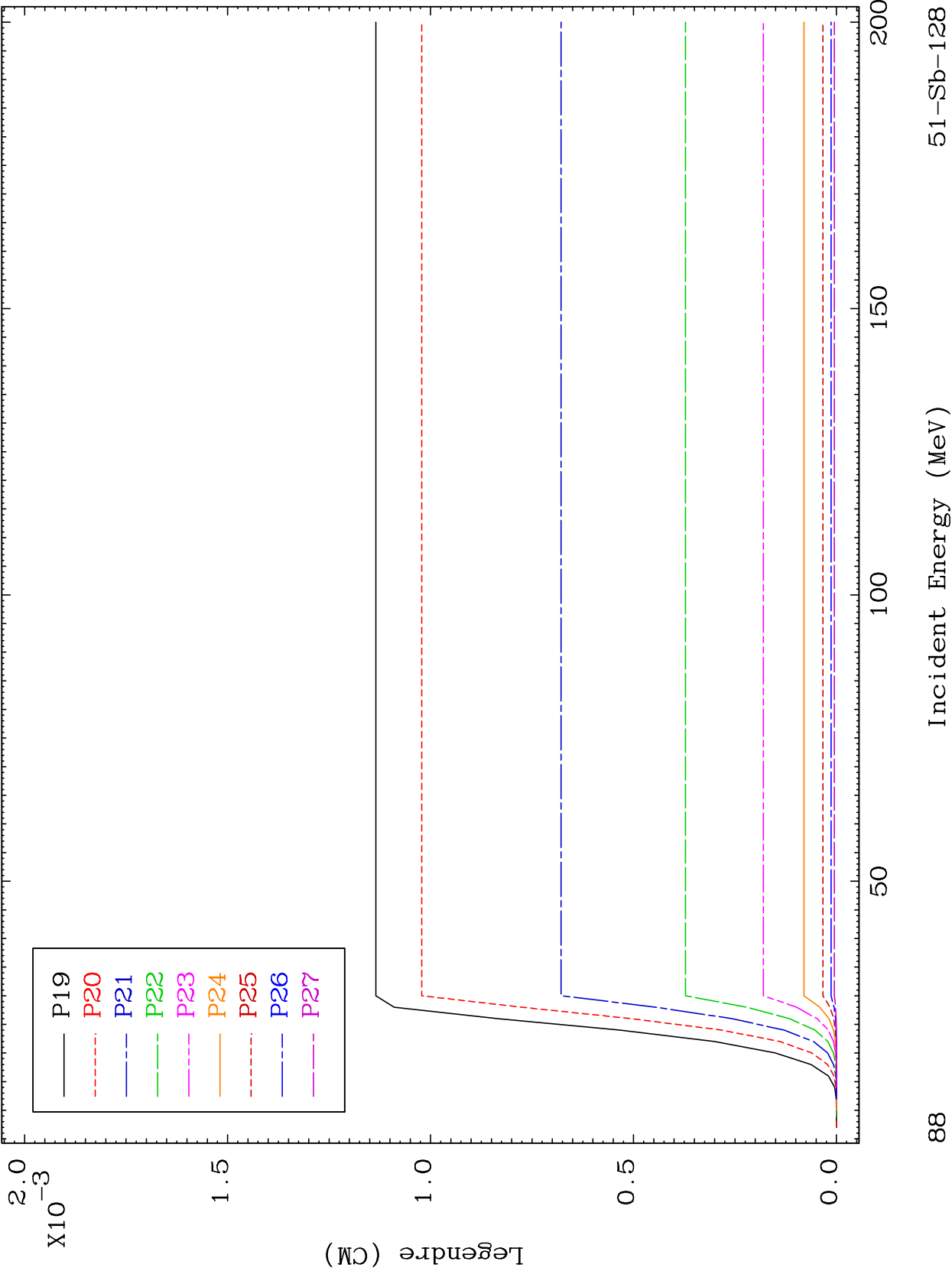
51-Sb-128

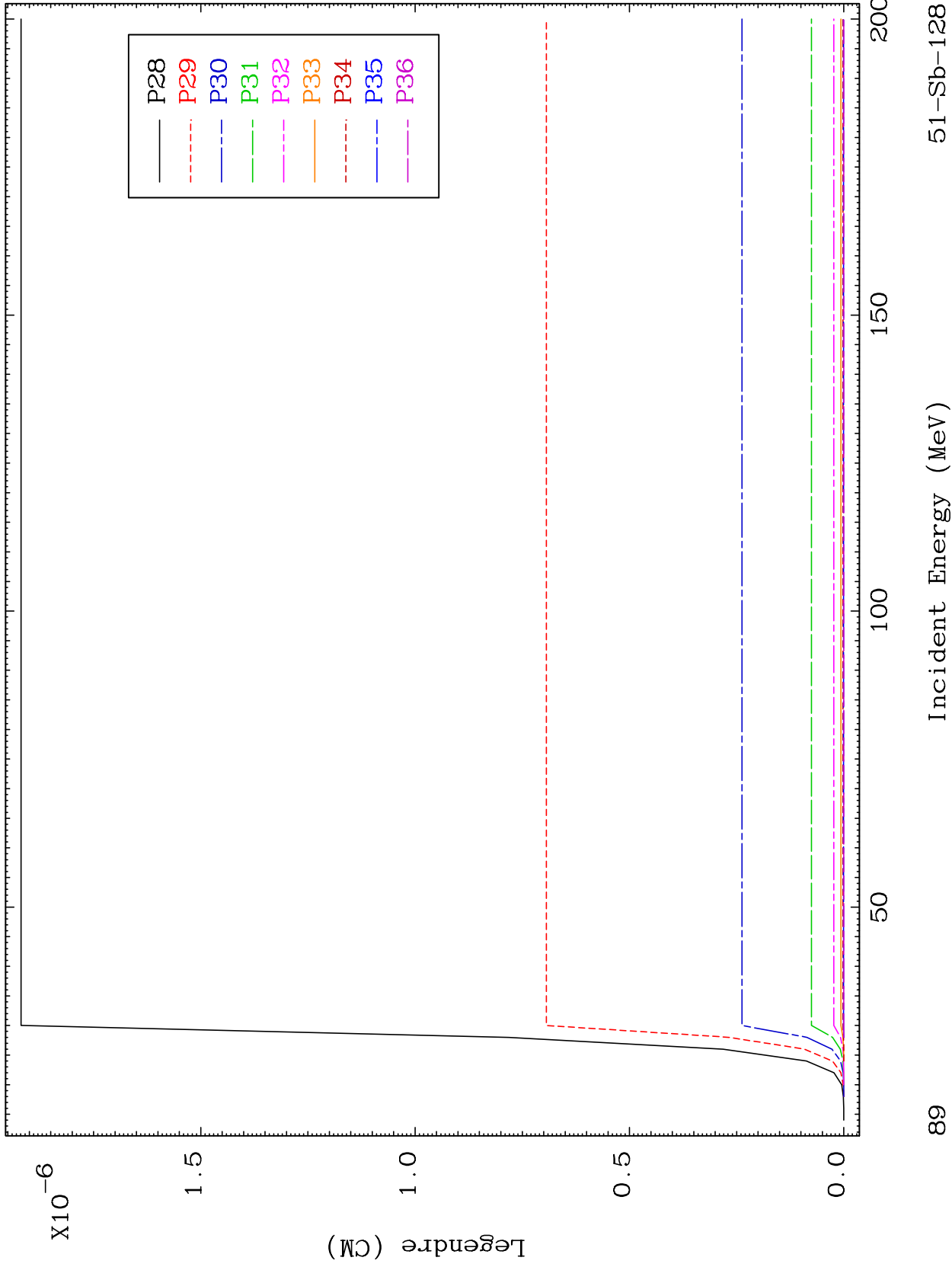


87

Incident Energy (MeV)

51-Sb-128

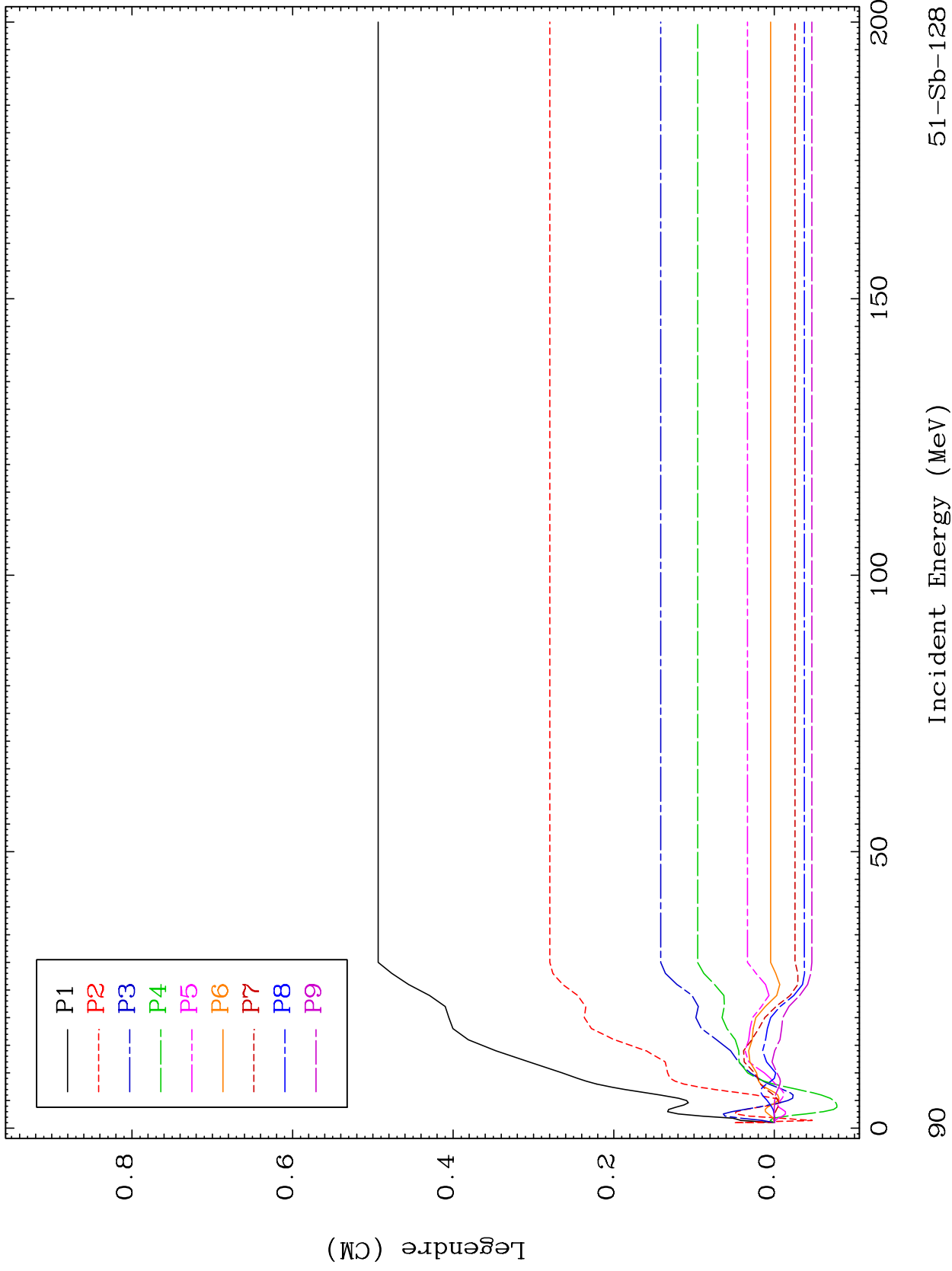




MAT 5146

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

51-Sb-128



51-Sb-128

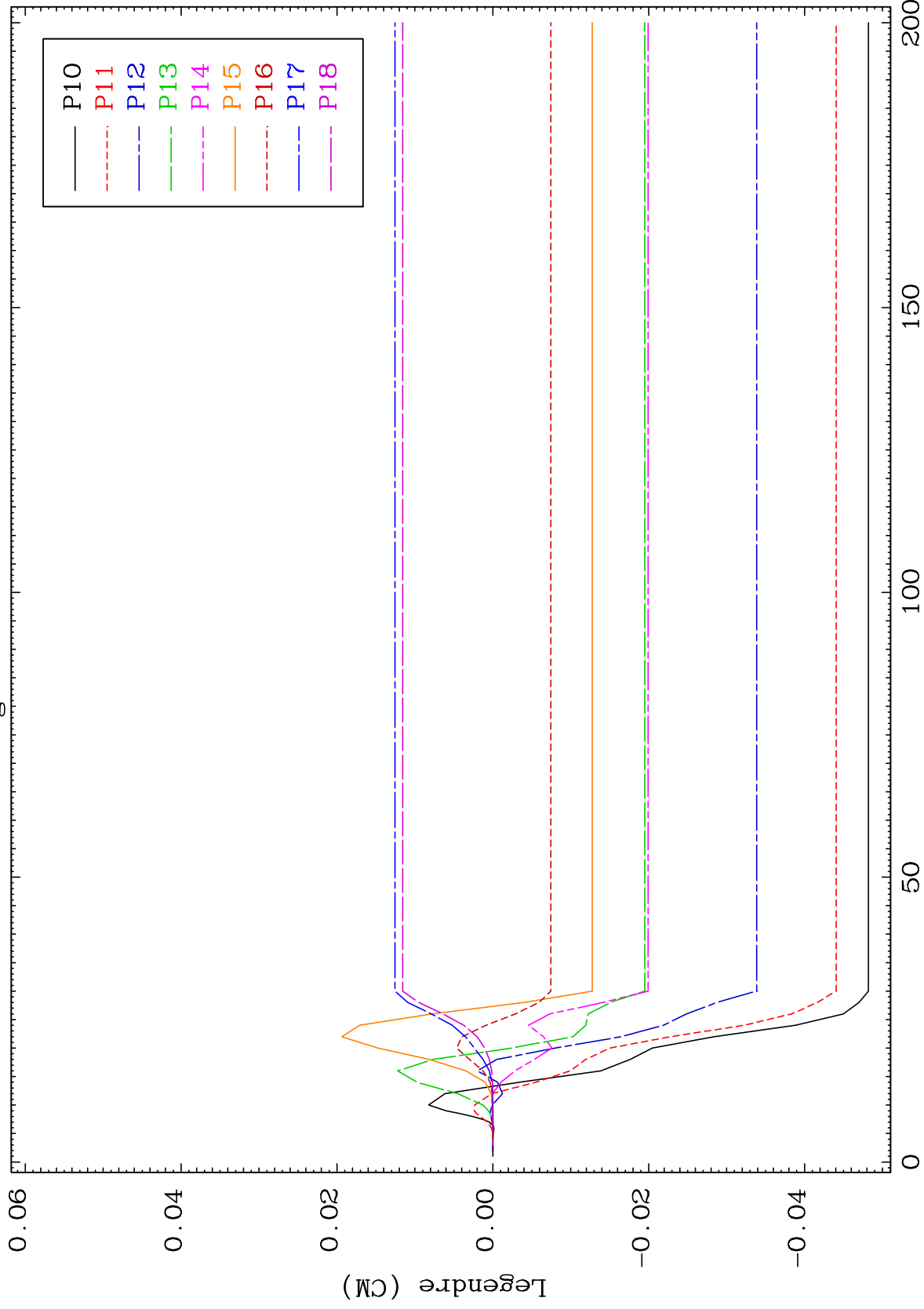
Incident Energy (MeV)

90

MAT 5146

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

51-Sb-128



91

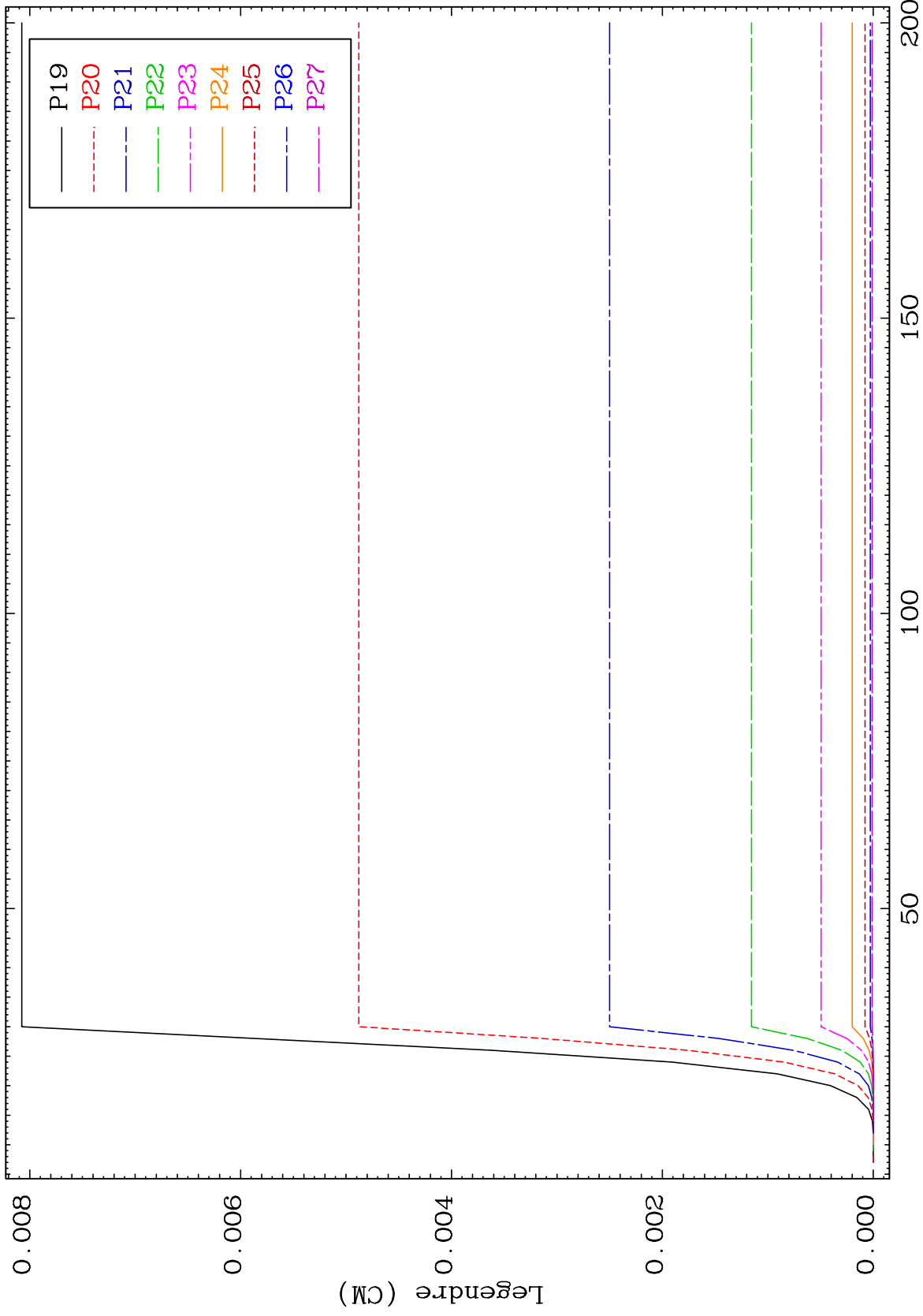
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



92

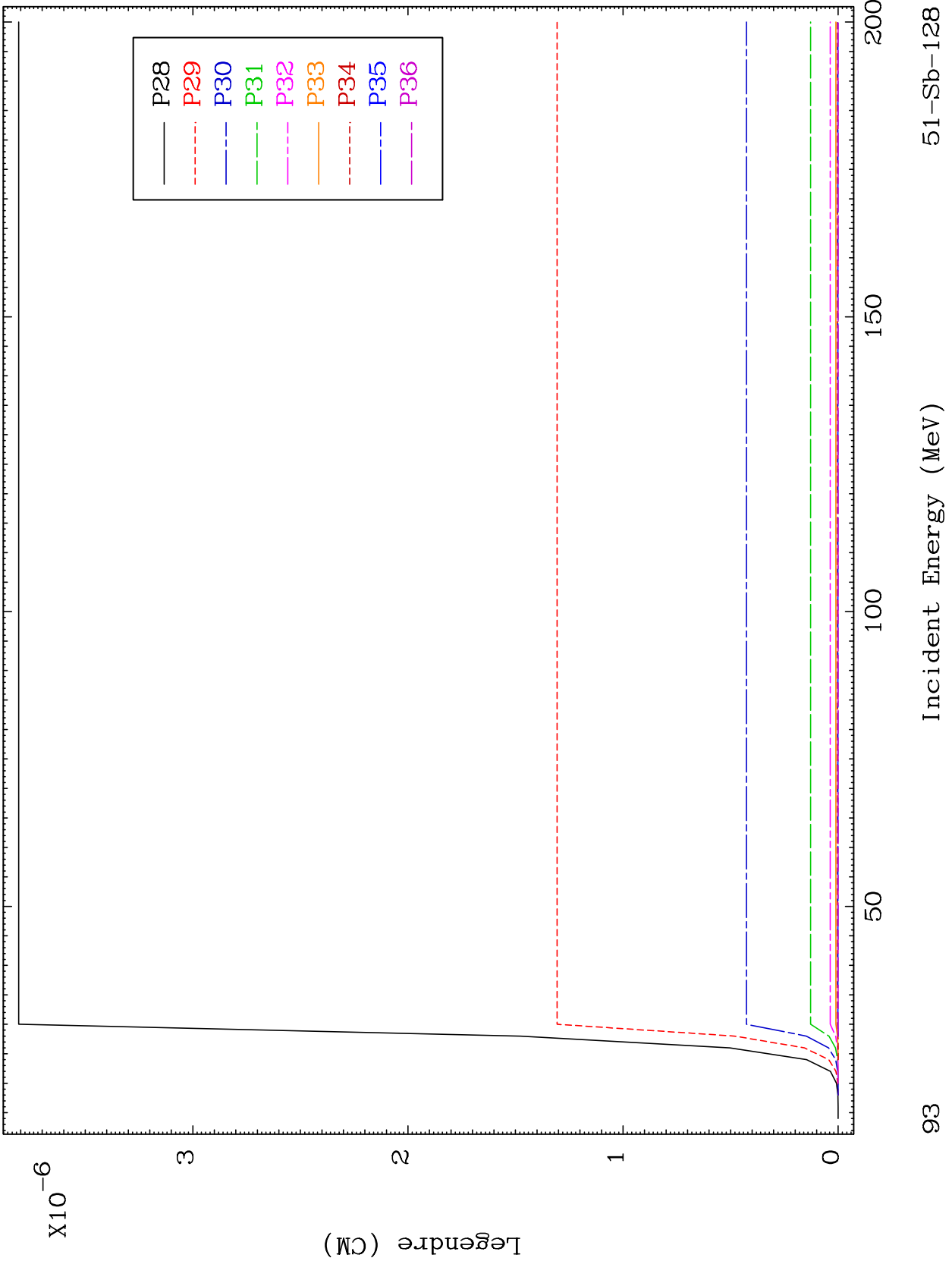
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

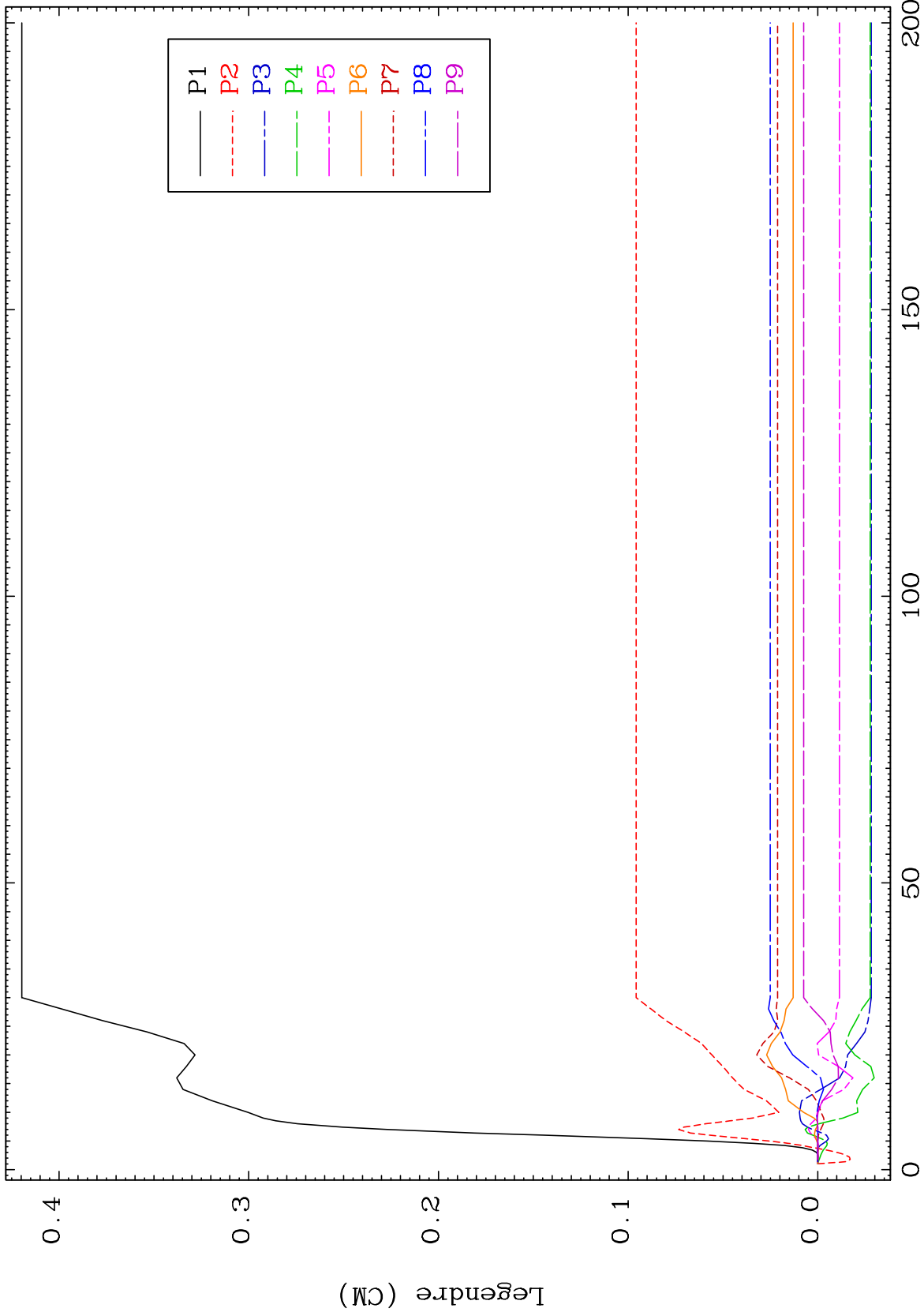
51-Sb-128



MAT 5146

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

51-Sb-128



94

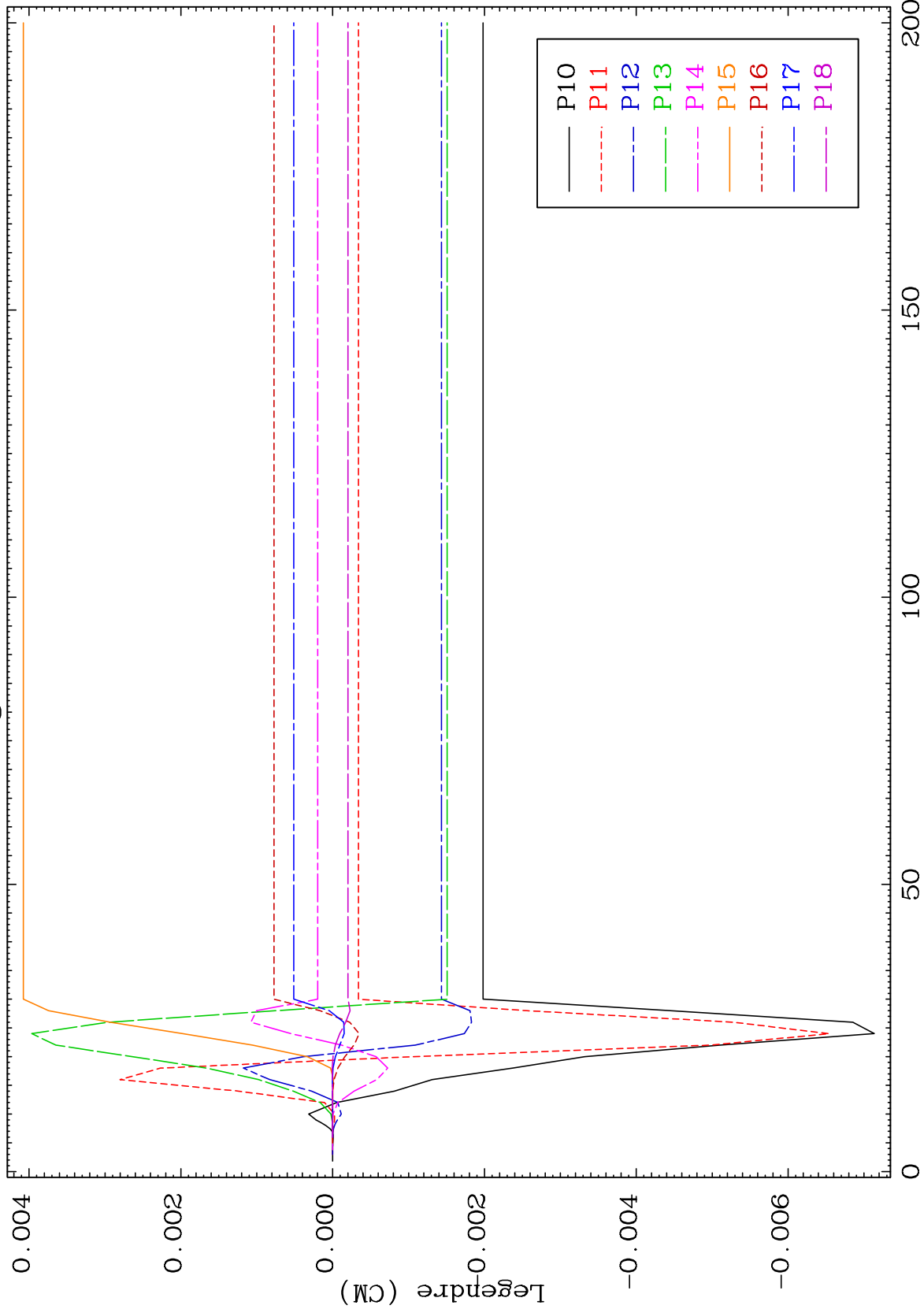
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

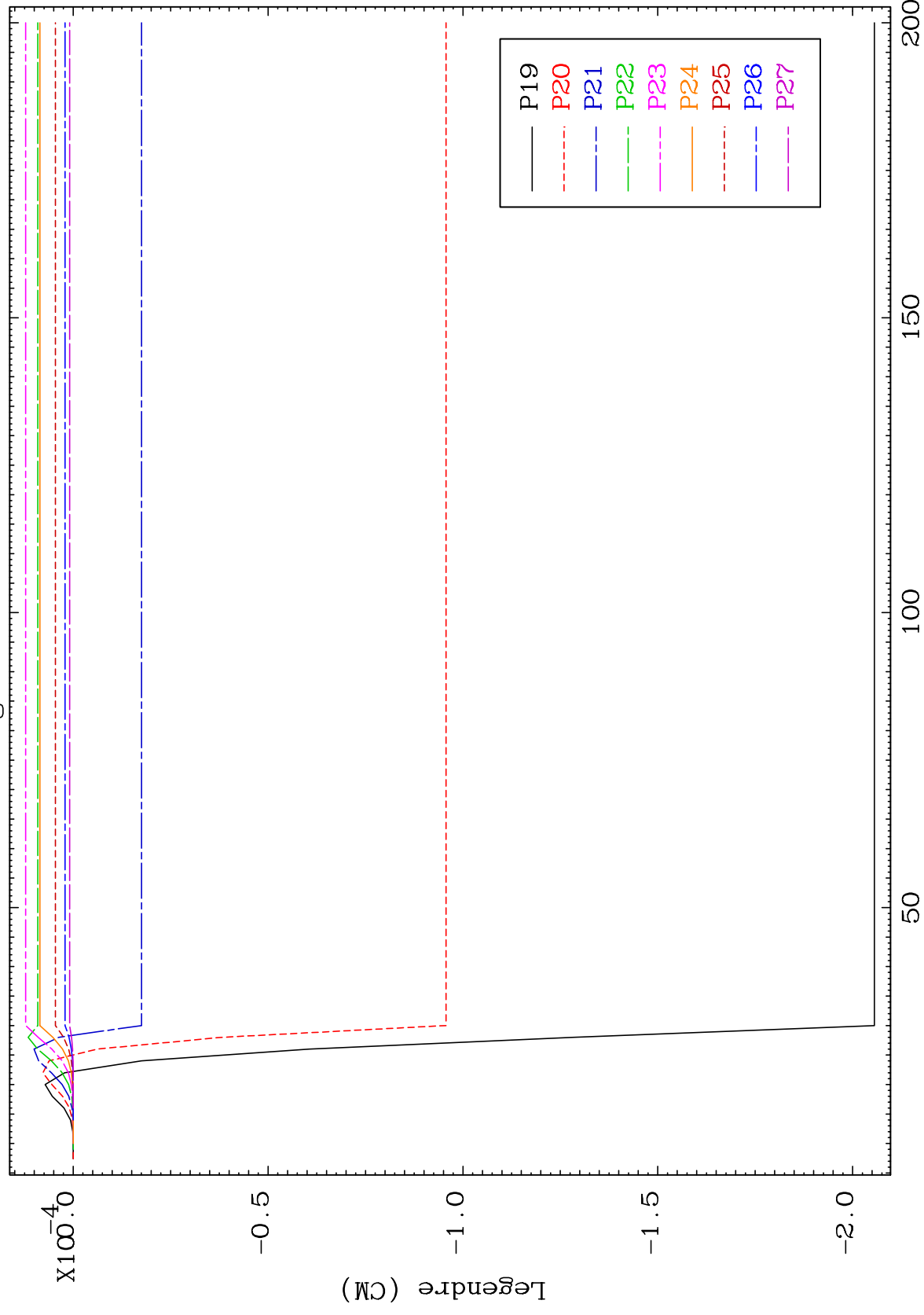
51-Sb-128



95

Incident Energy (MeV)

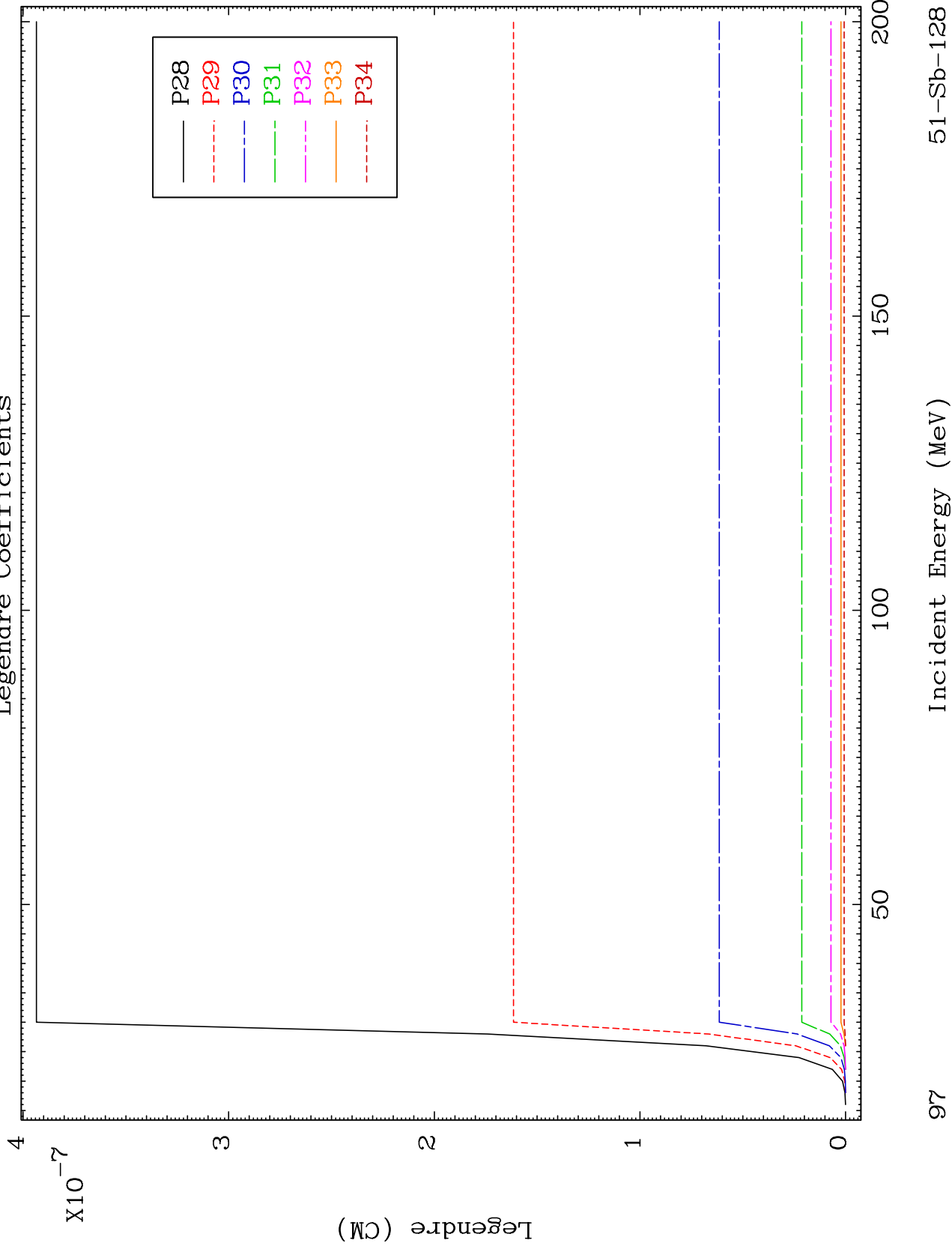
51-Sb-128



MAT 5146

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

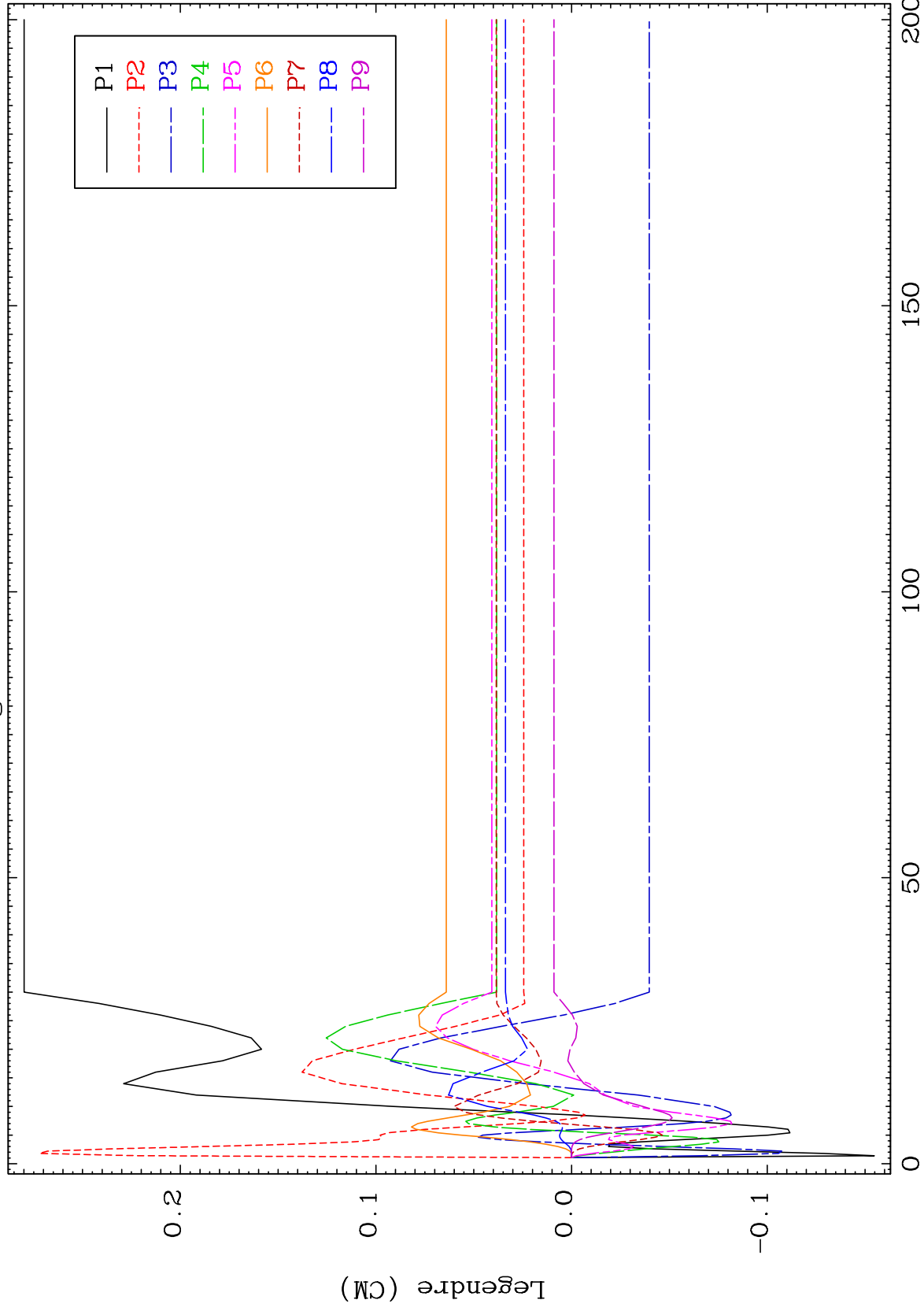
51-Sb-128



MAT 5146

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

51-Sb-128



98

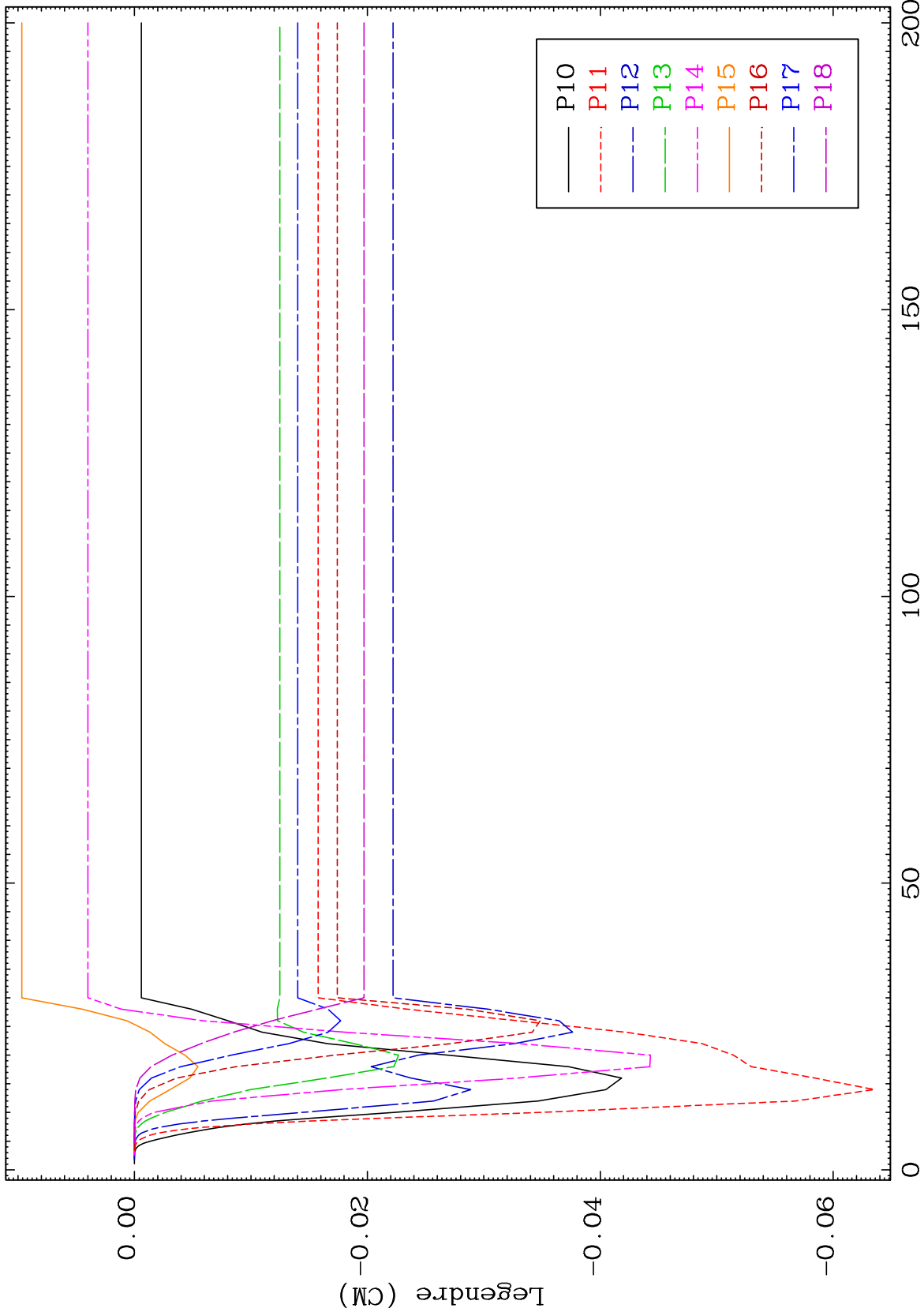
Incident Energy (MeV)

51-Sb-128

MAT 5146

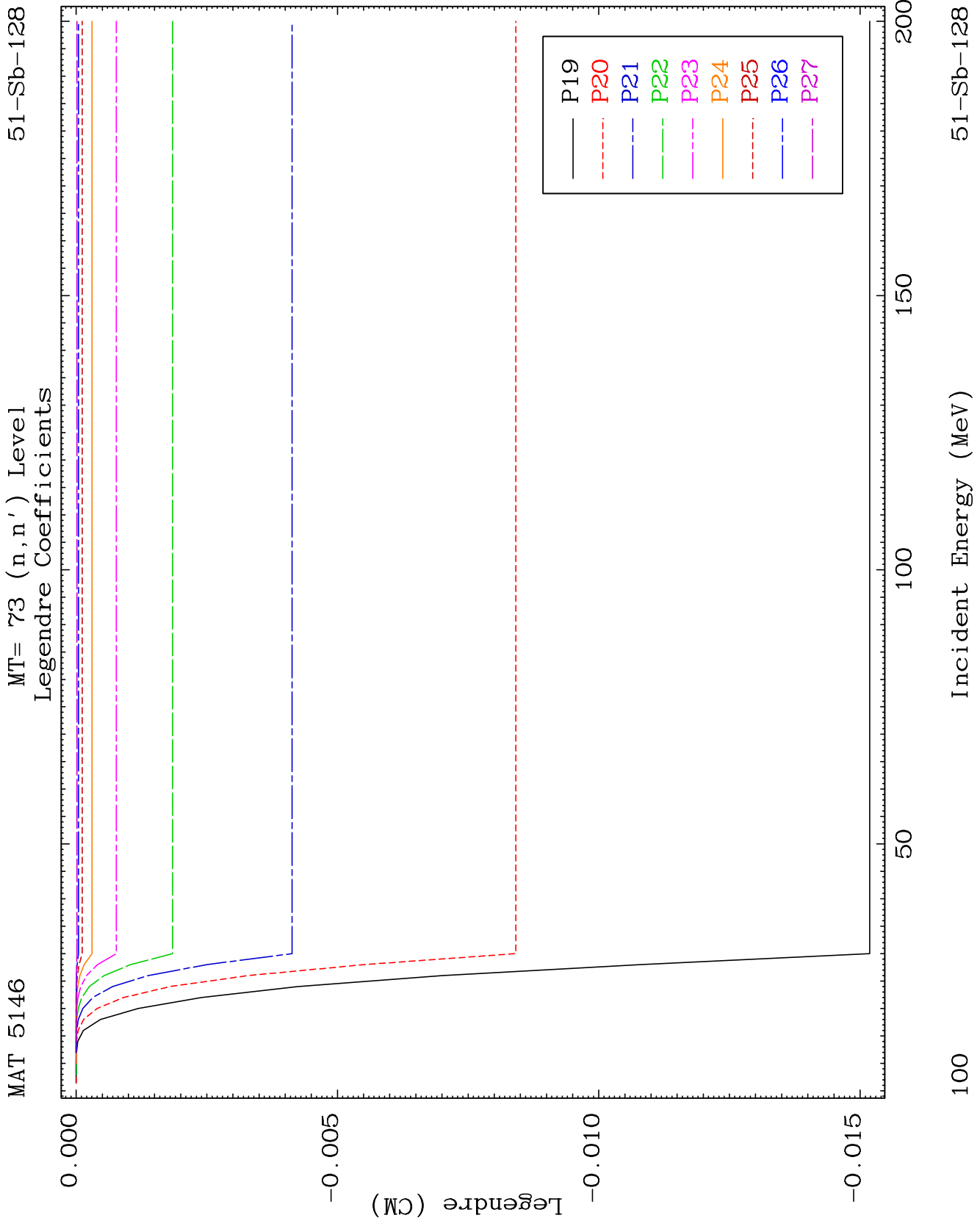
MT= 73 (n,n') Level
Legendre Coefficients

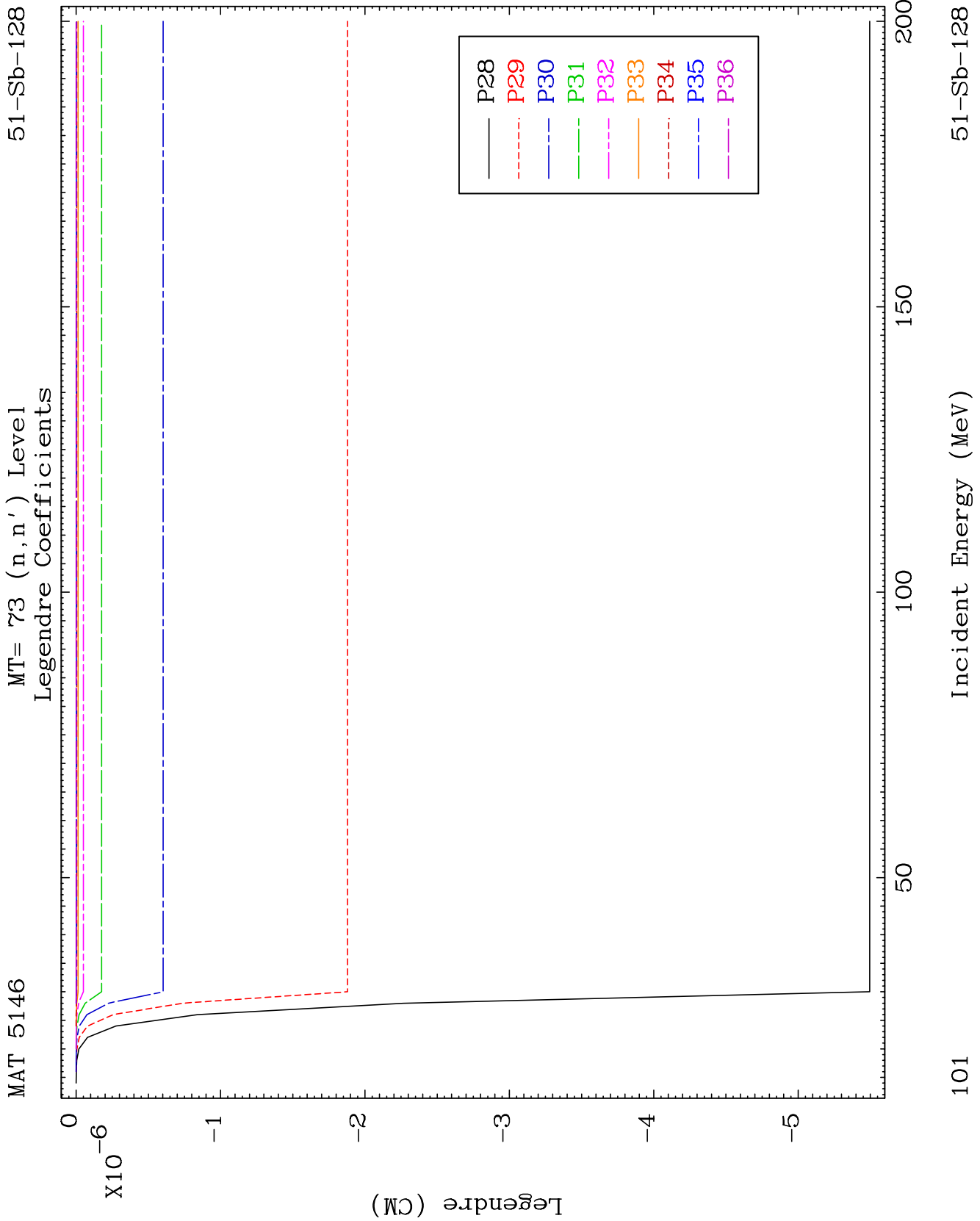
51-Sb-128



99

51-Sb-128

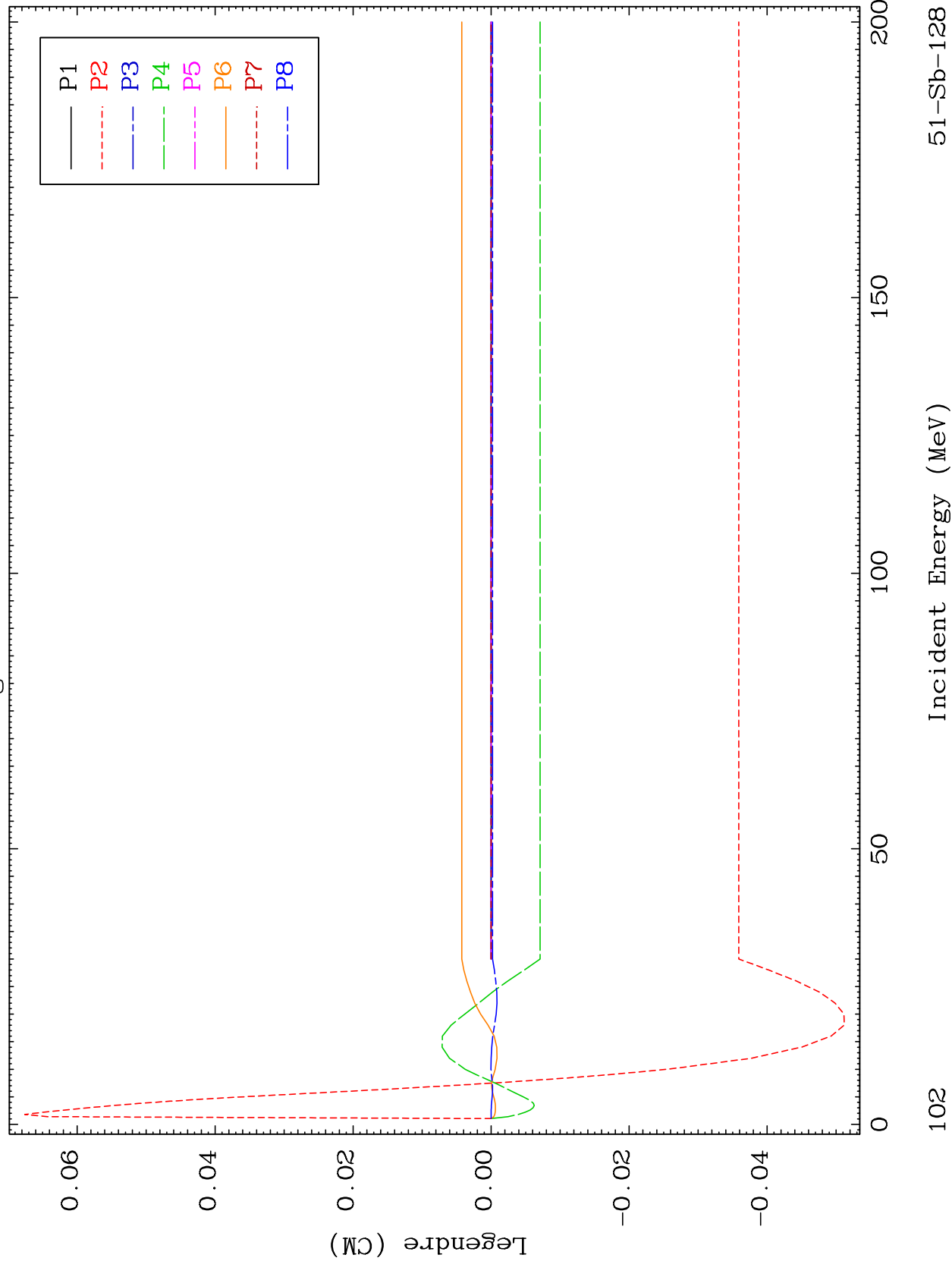




MAT 5146

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

51-Sb-128



51-Sb-128

Incident Energy (MeV)

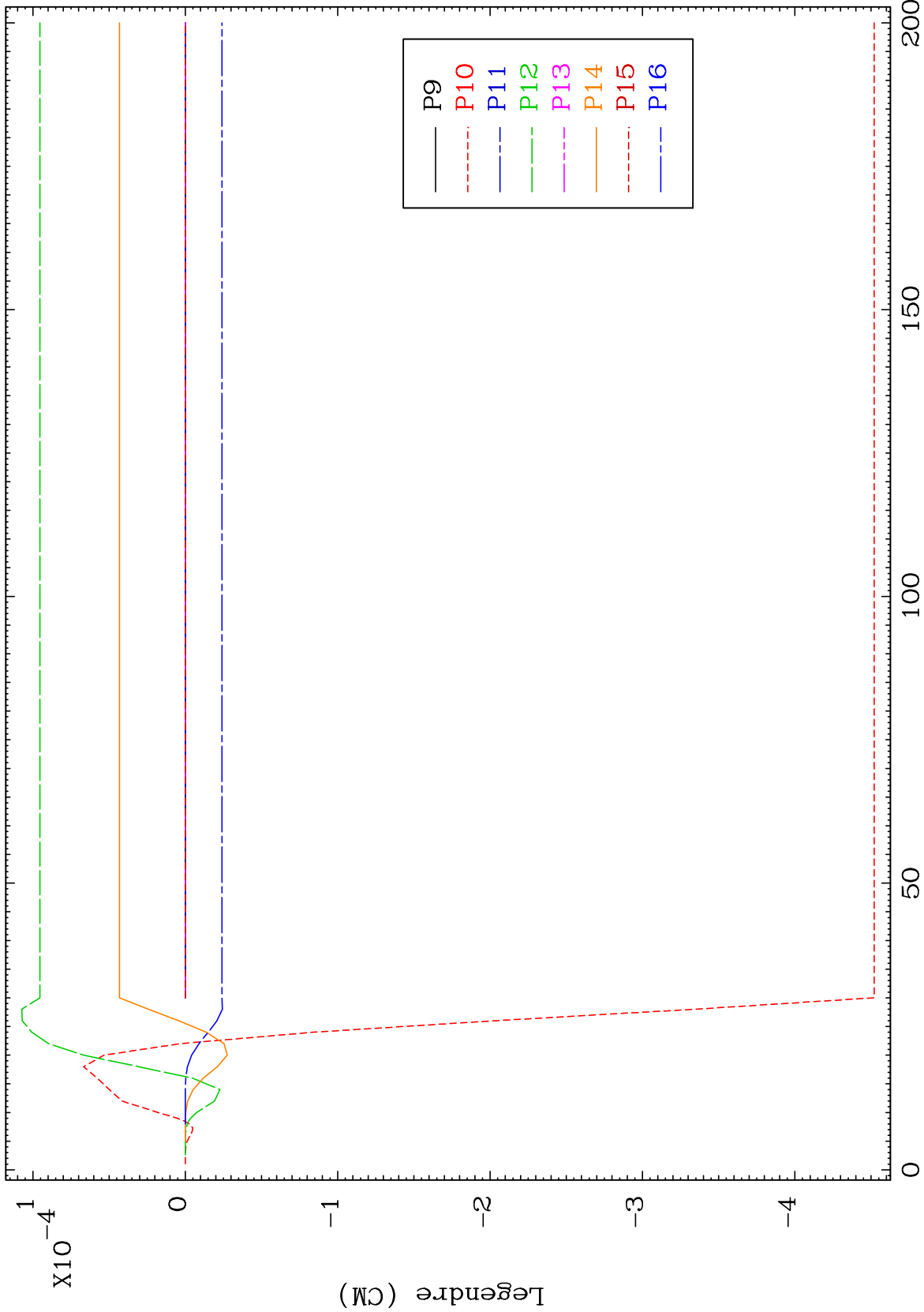
102

MAT 5146

MT= 74 (n,n') Level

51-Sb-128

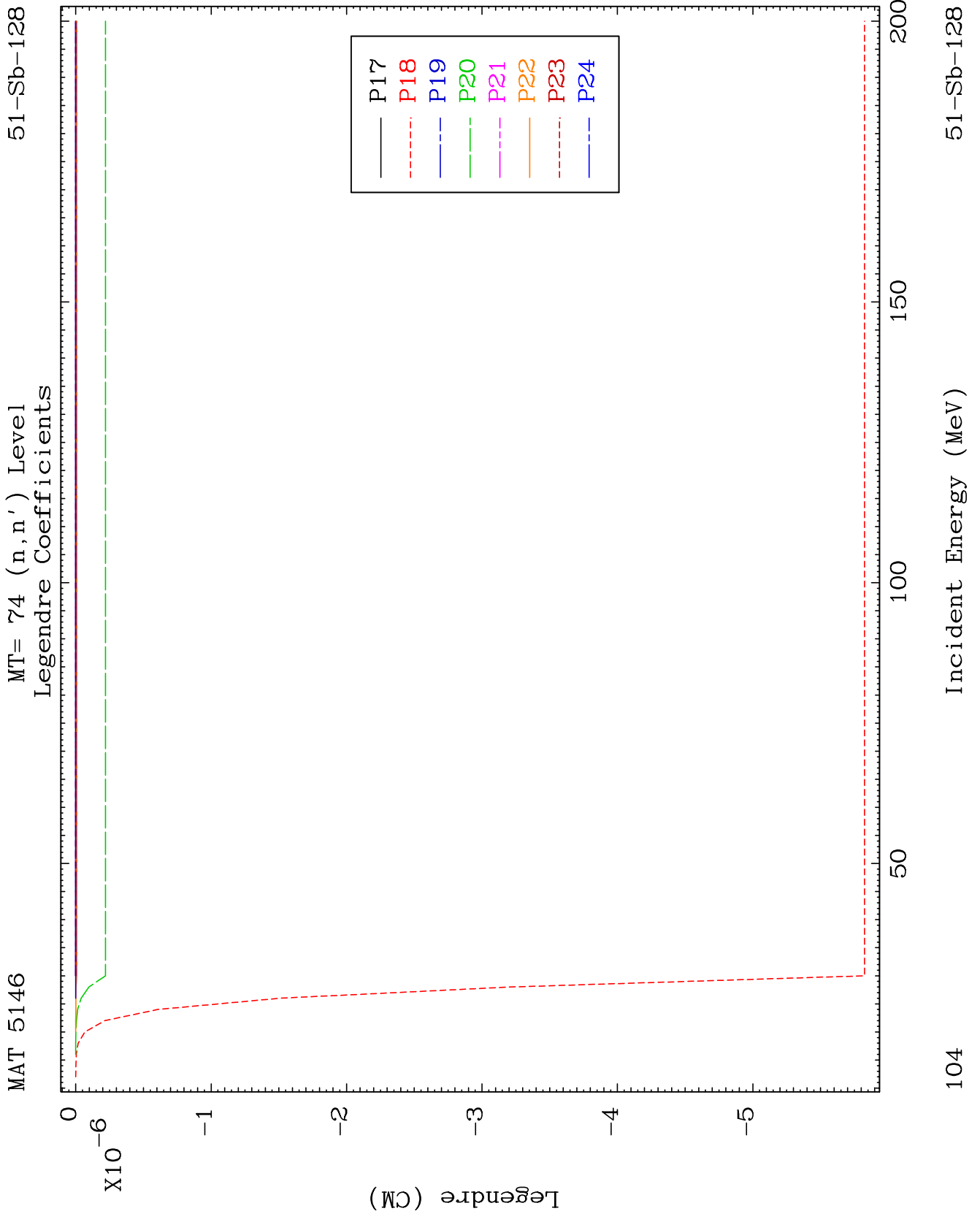
Legendre Coefficients



103

Incident Energy (MeV)

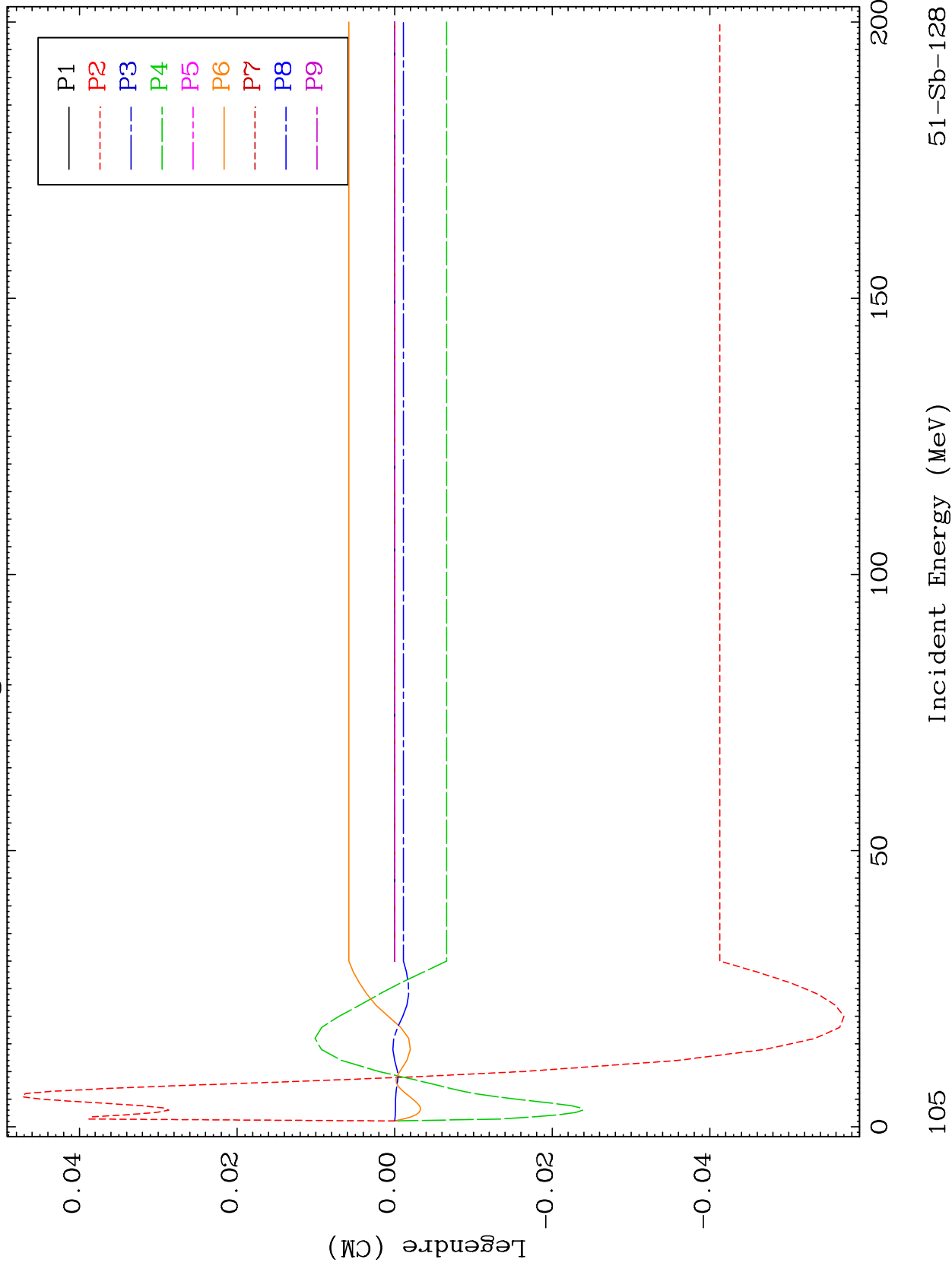
51-Sb-128



MAT 5146

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

51-Sb-128



51-Sb-128

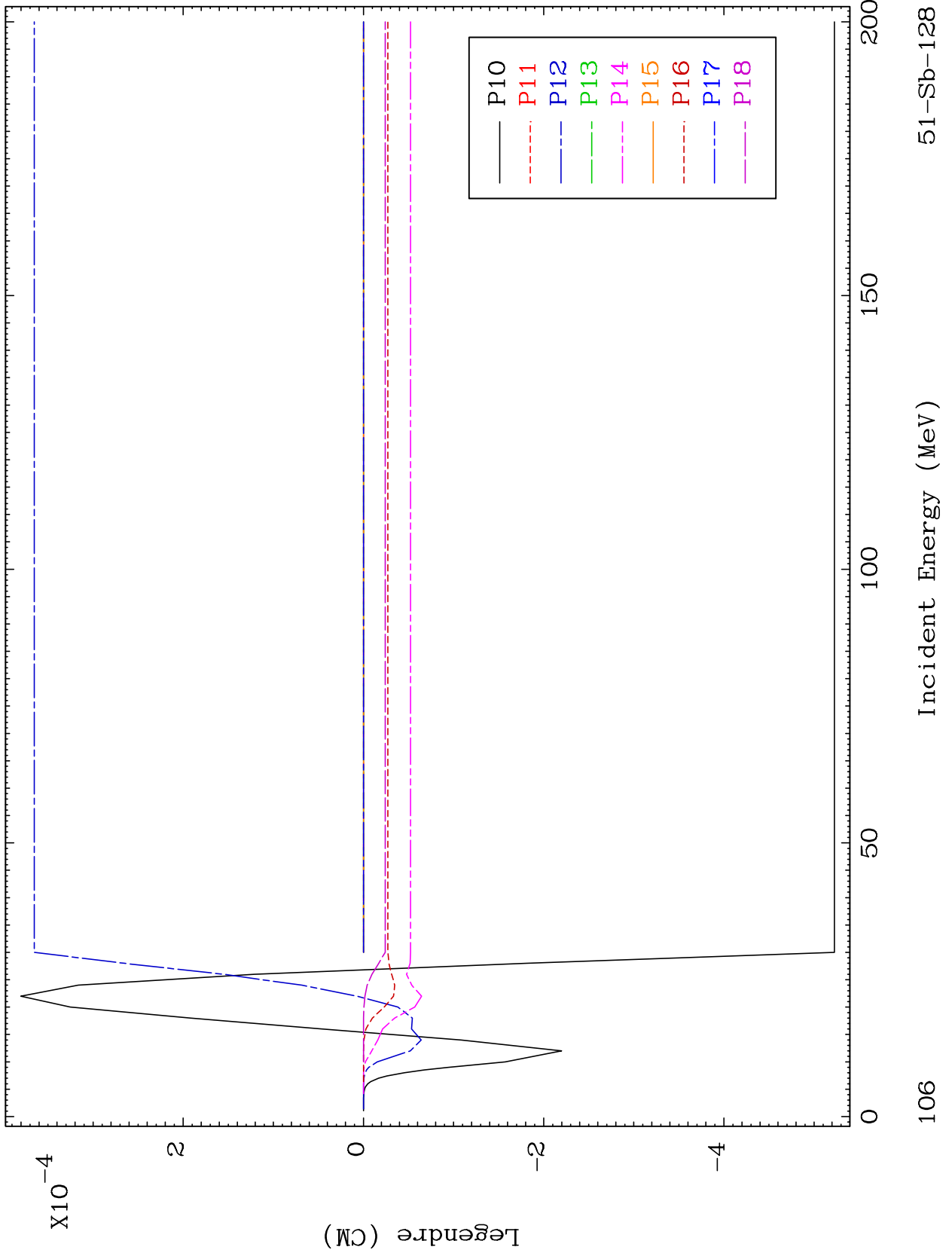
Incident Energy (MeV)

105

MAT 5146

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

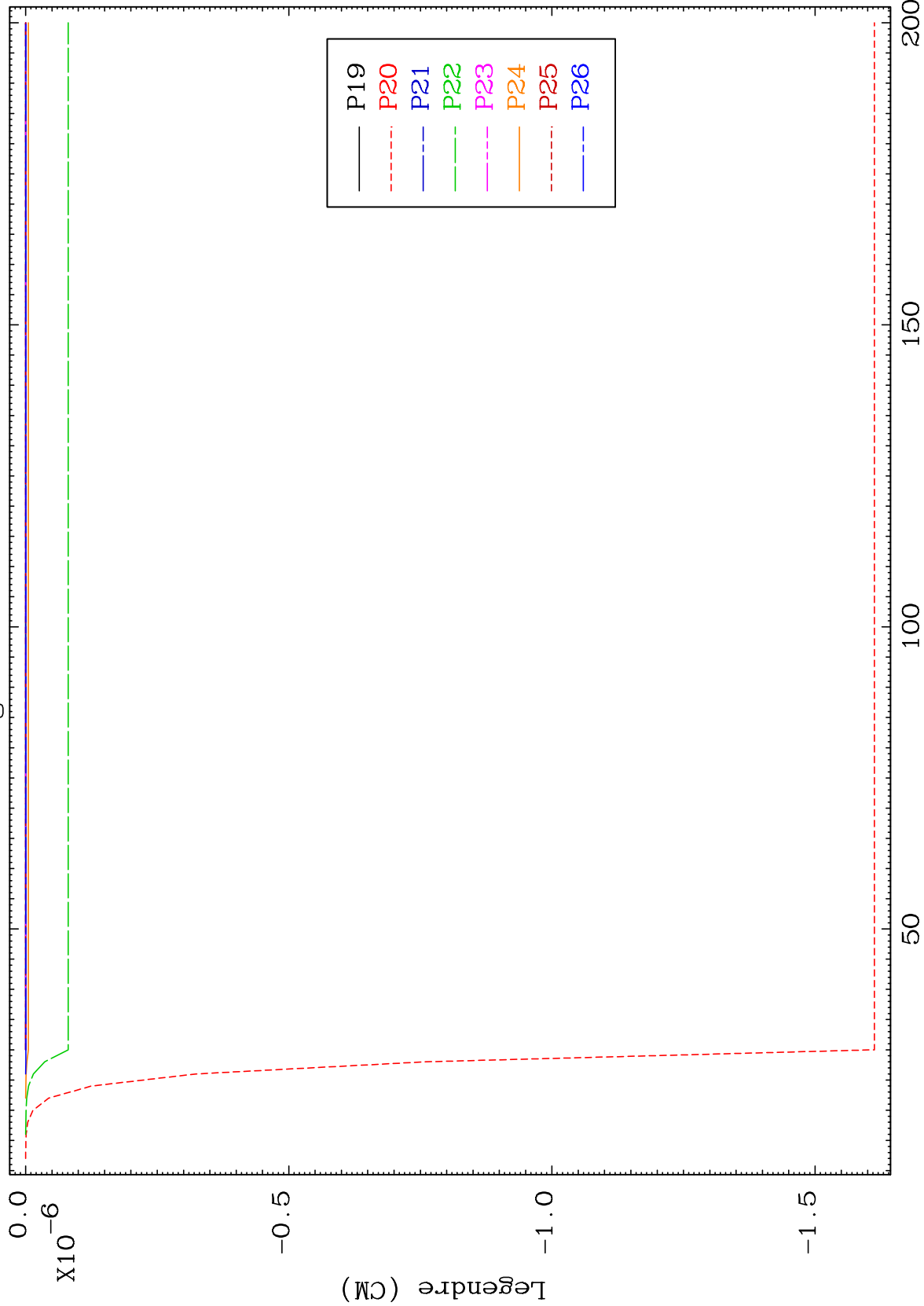
51-Sb-128



MAT 5146

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

51-Sb-128



107

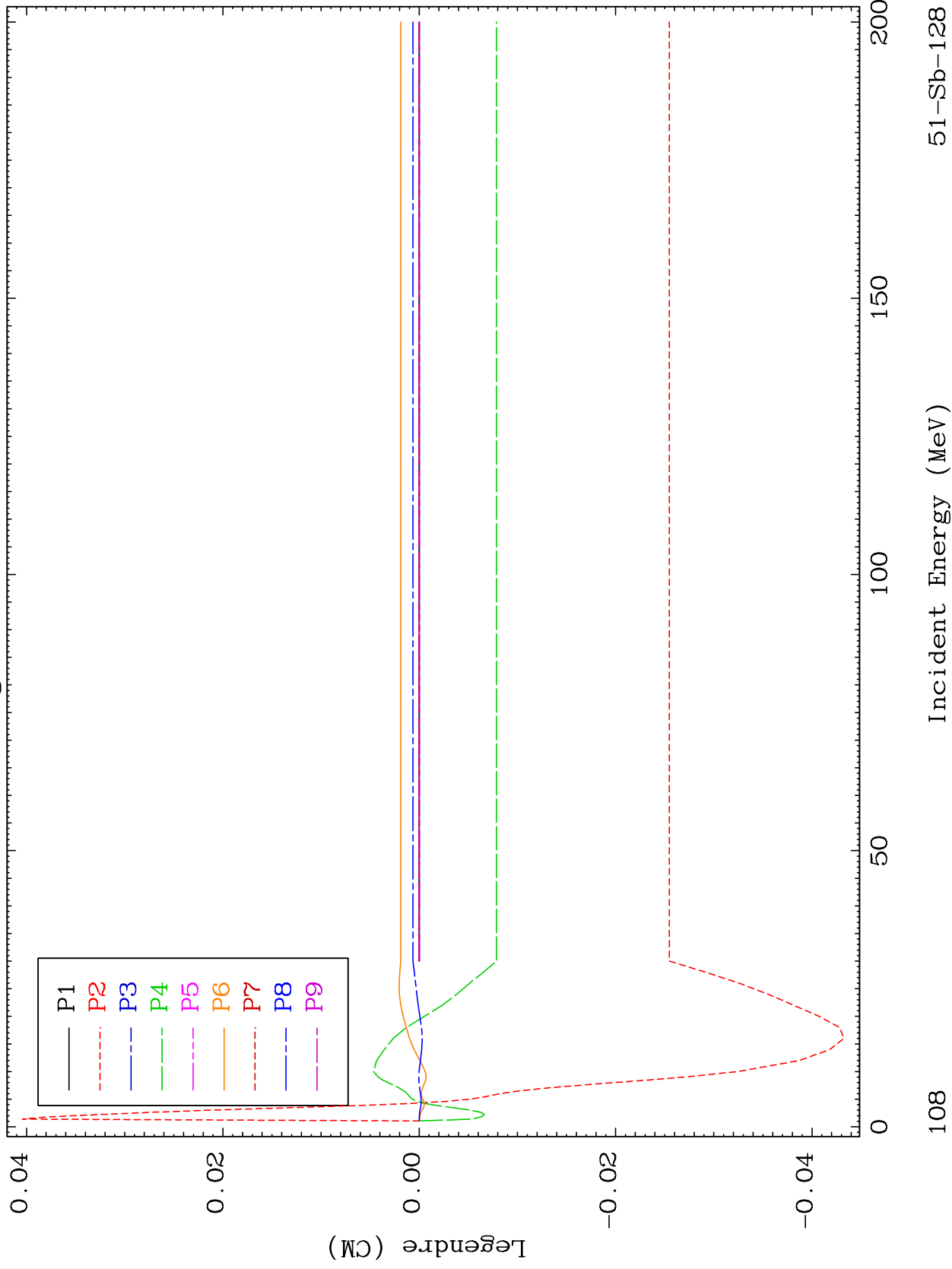
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128

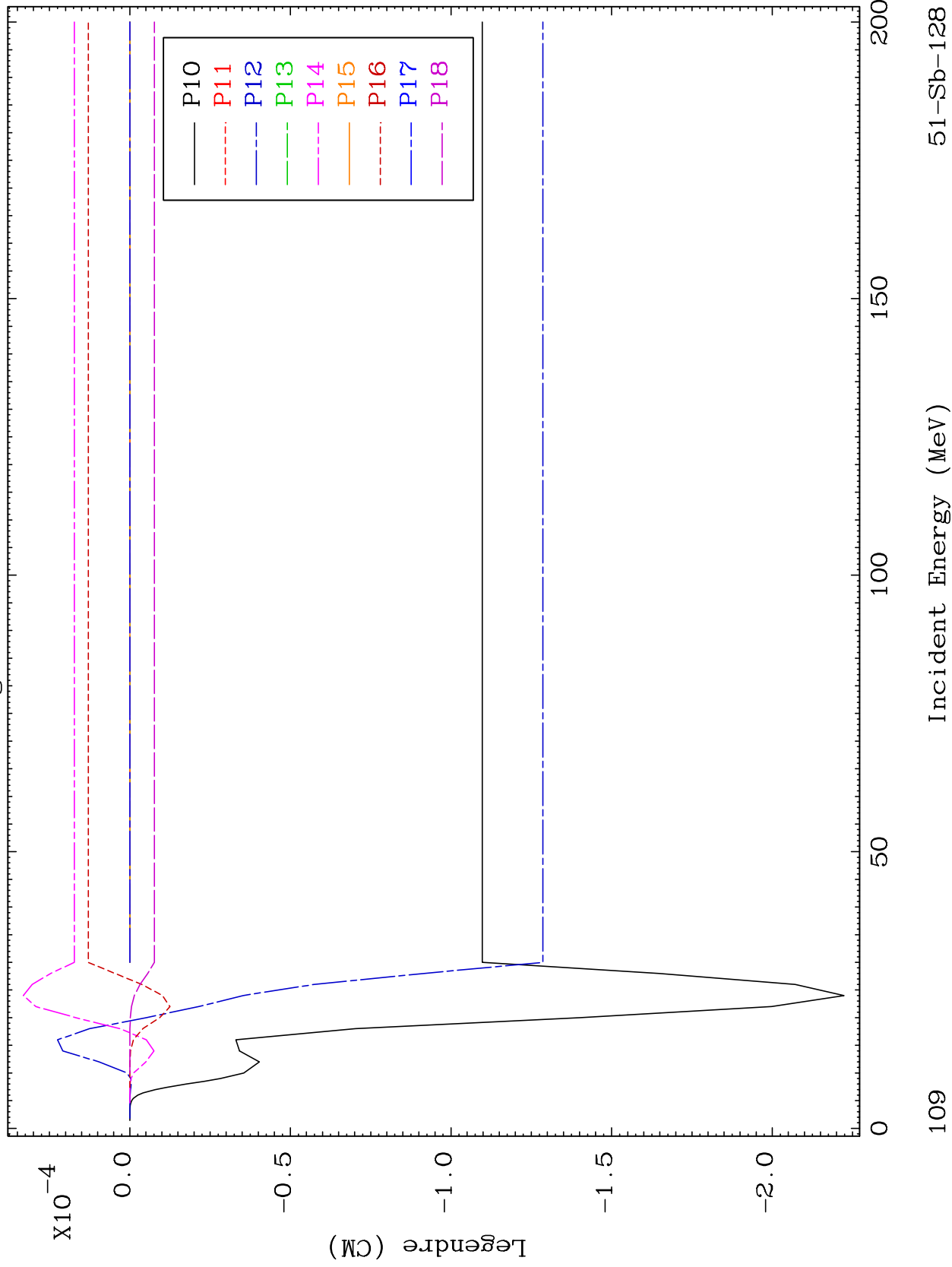


108

MAT 5146

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

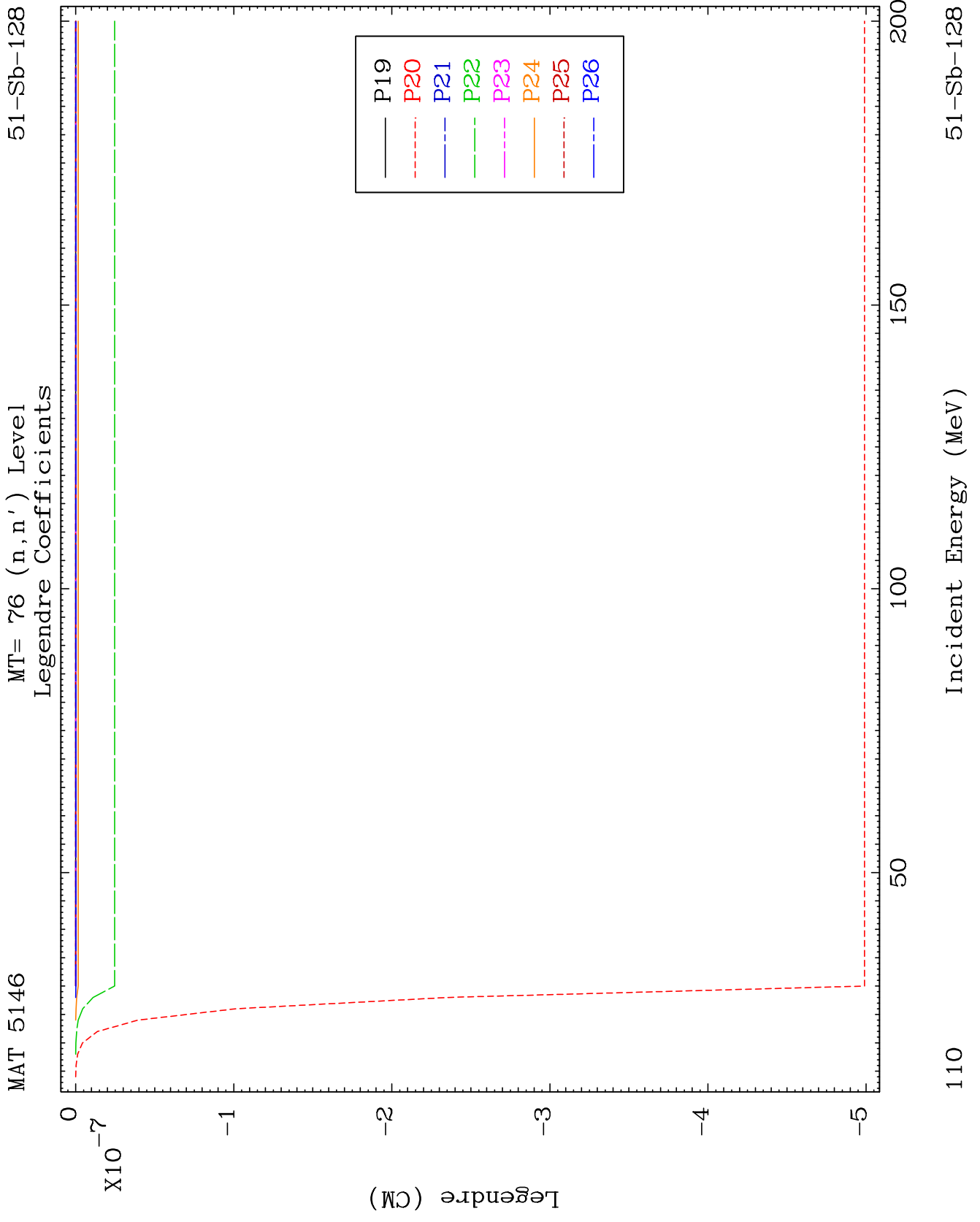
51-Sb-128



51-Sb-128

Incident Energy (MeV)

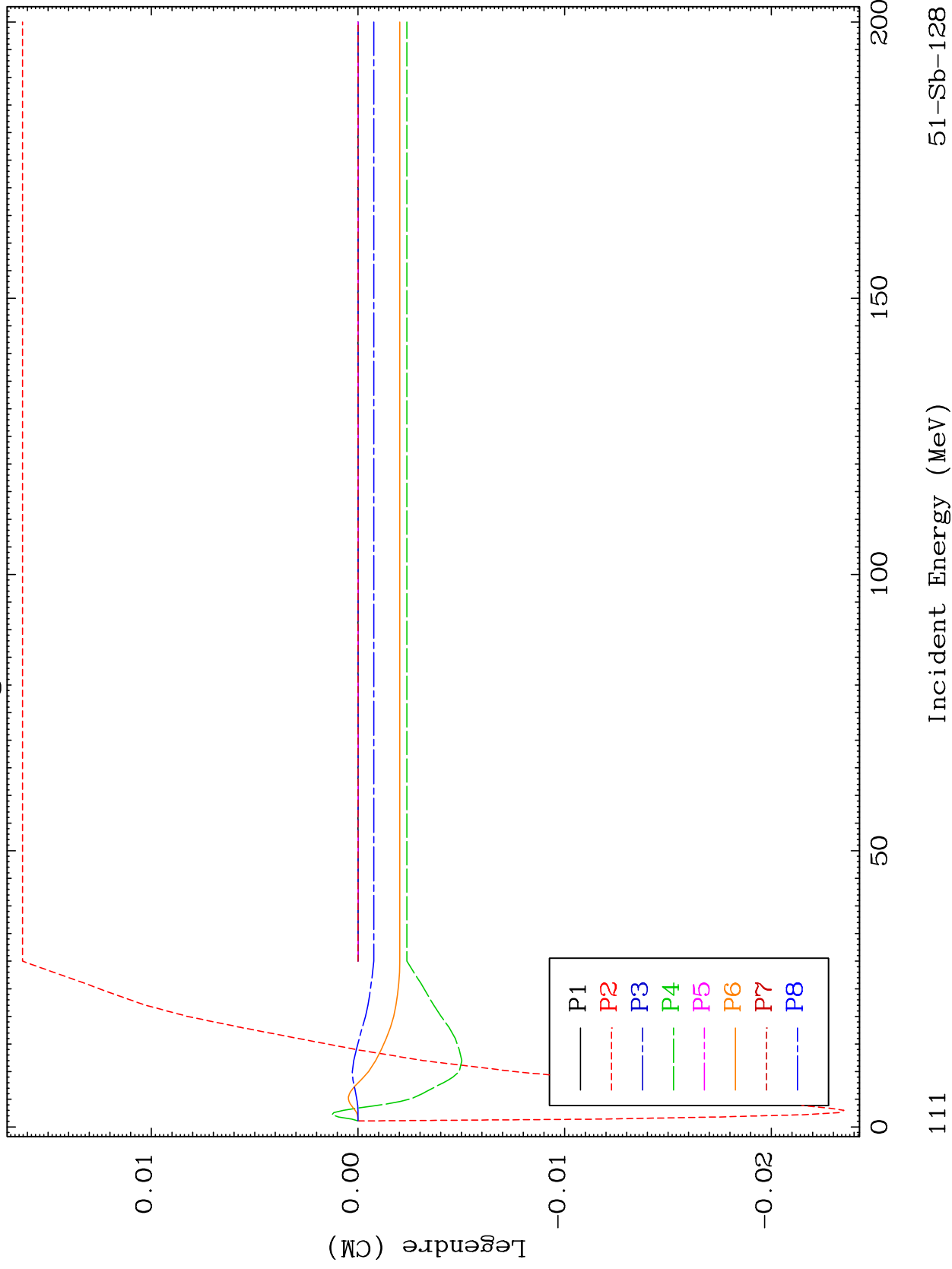
109



MAT 5146

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

51-Sb-128



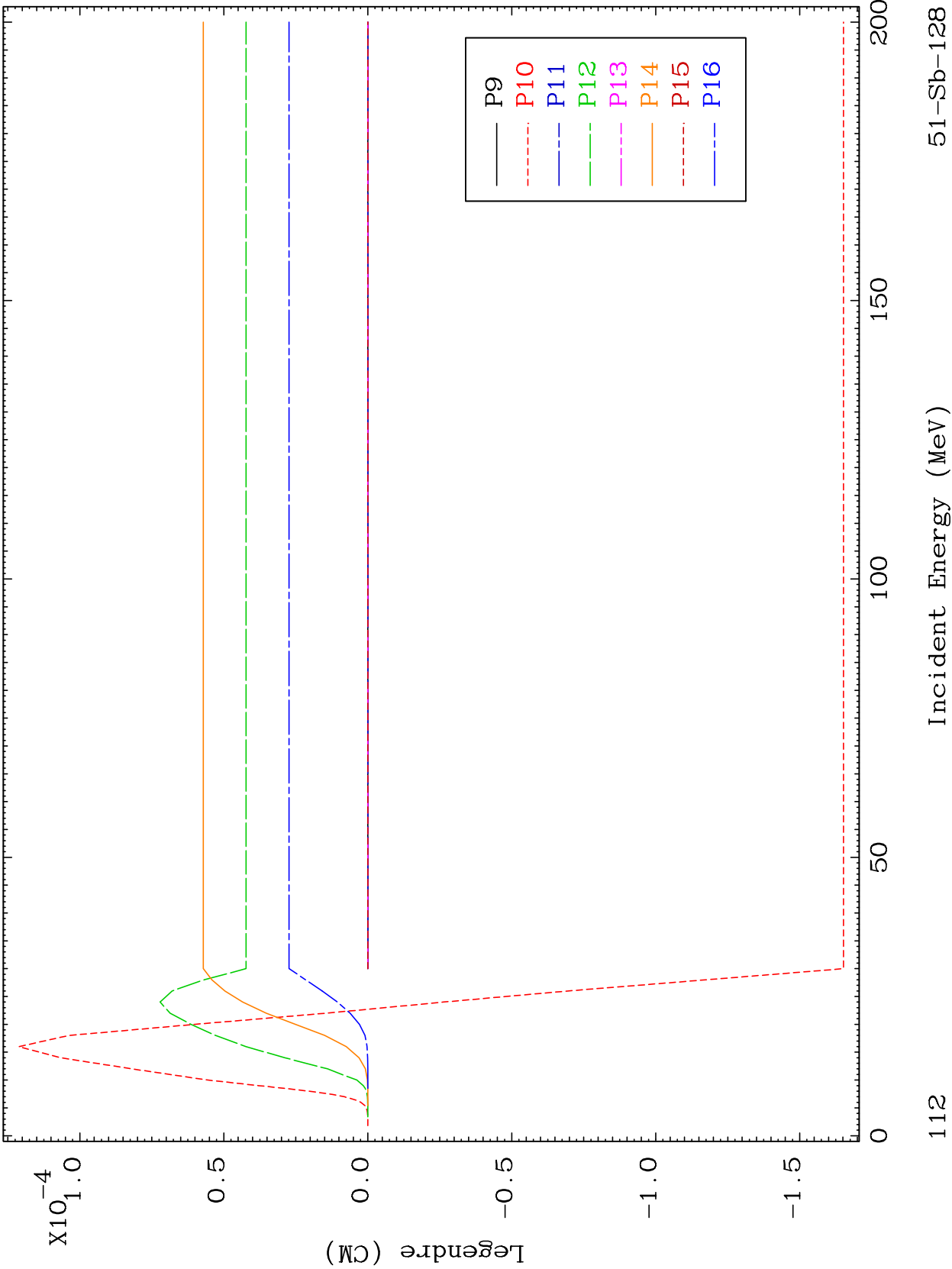
111

51-Sb-128

MAT 5146

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

51-Sb-128



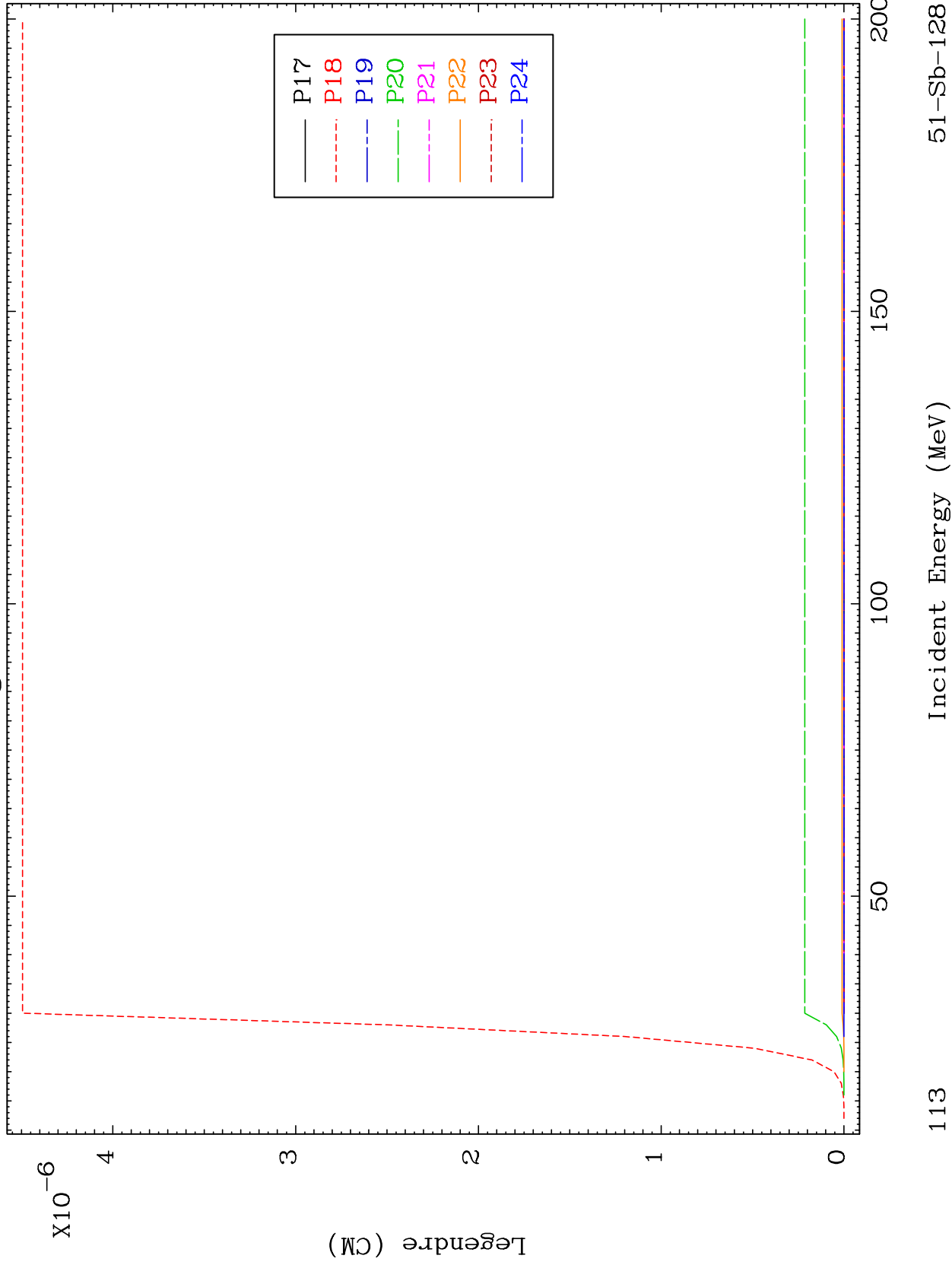
112

51-Sb-128

MAT 5146

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

51-Sb-128

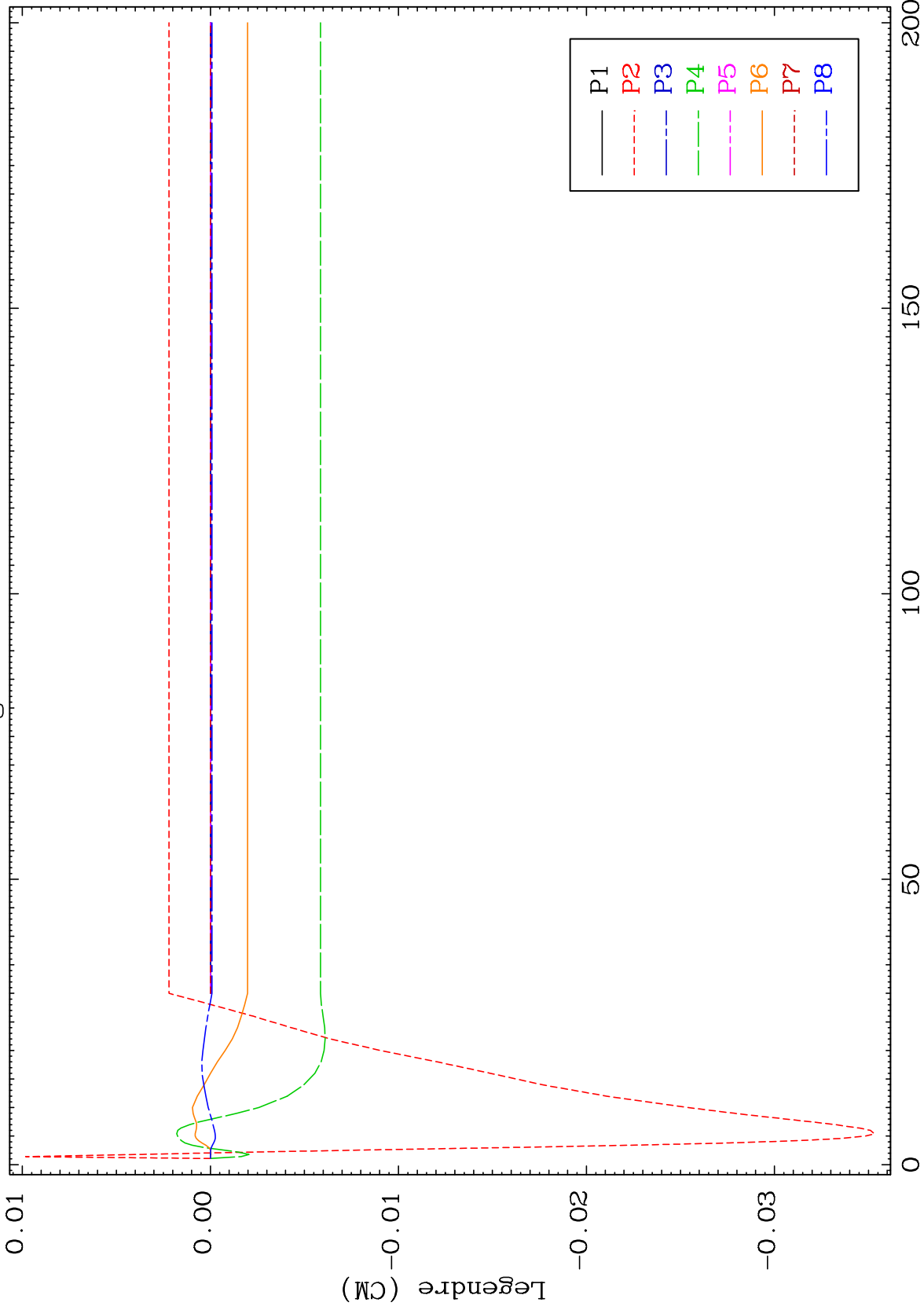


MAT 5146

MT= 78 (n,n') Level

51-Sb-128

Legendre Coefficients



114

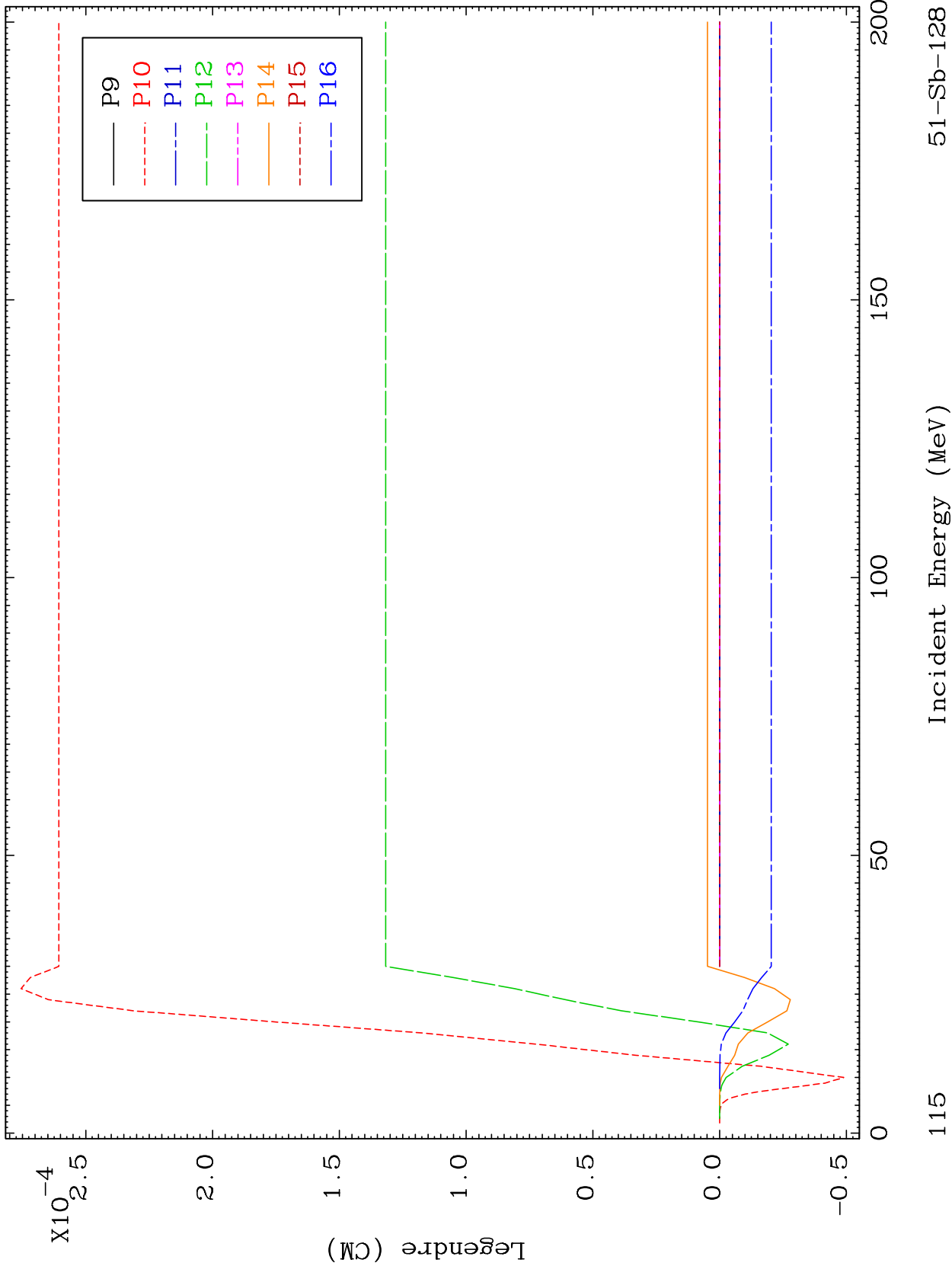
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

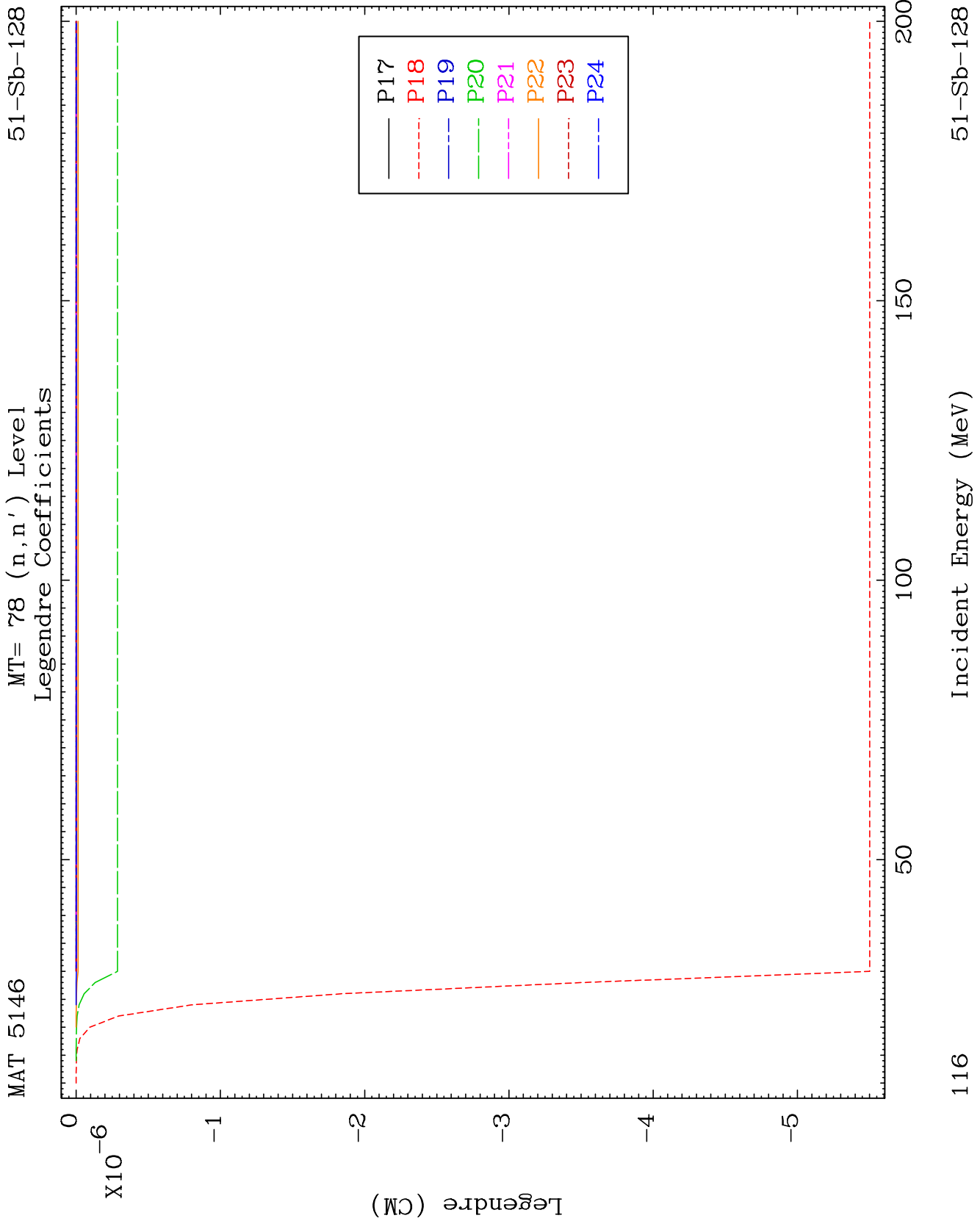
51-Sb-128



51-Sb-128

Incident Energy (MeV)

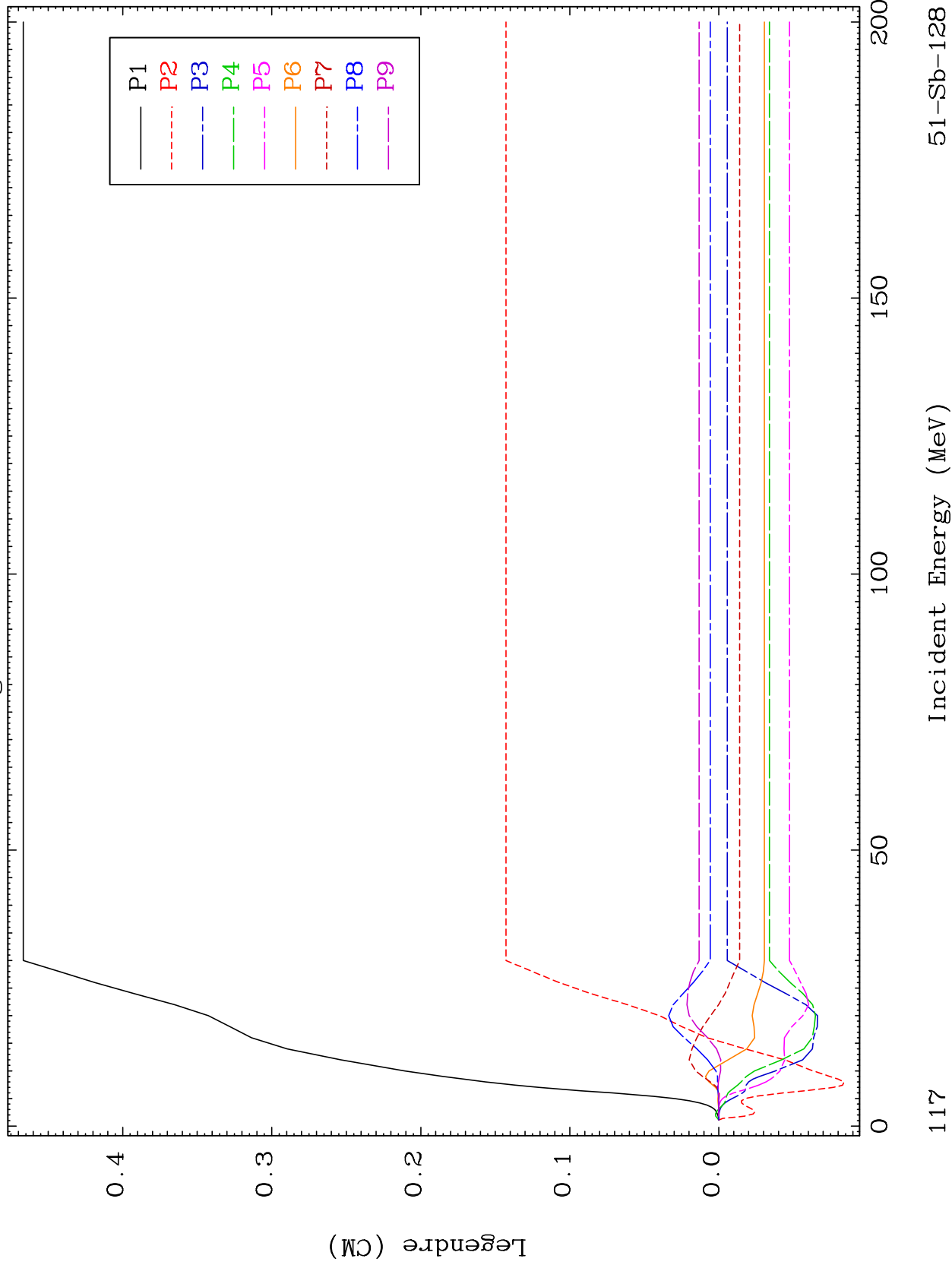
115



MAT 5146

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

51-Sb-128



51-Sb-128

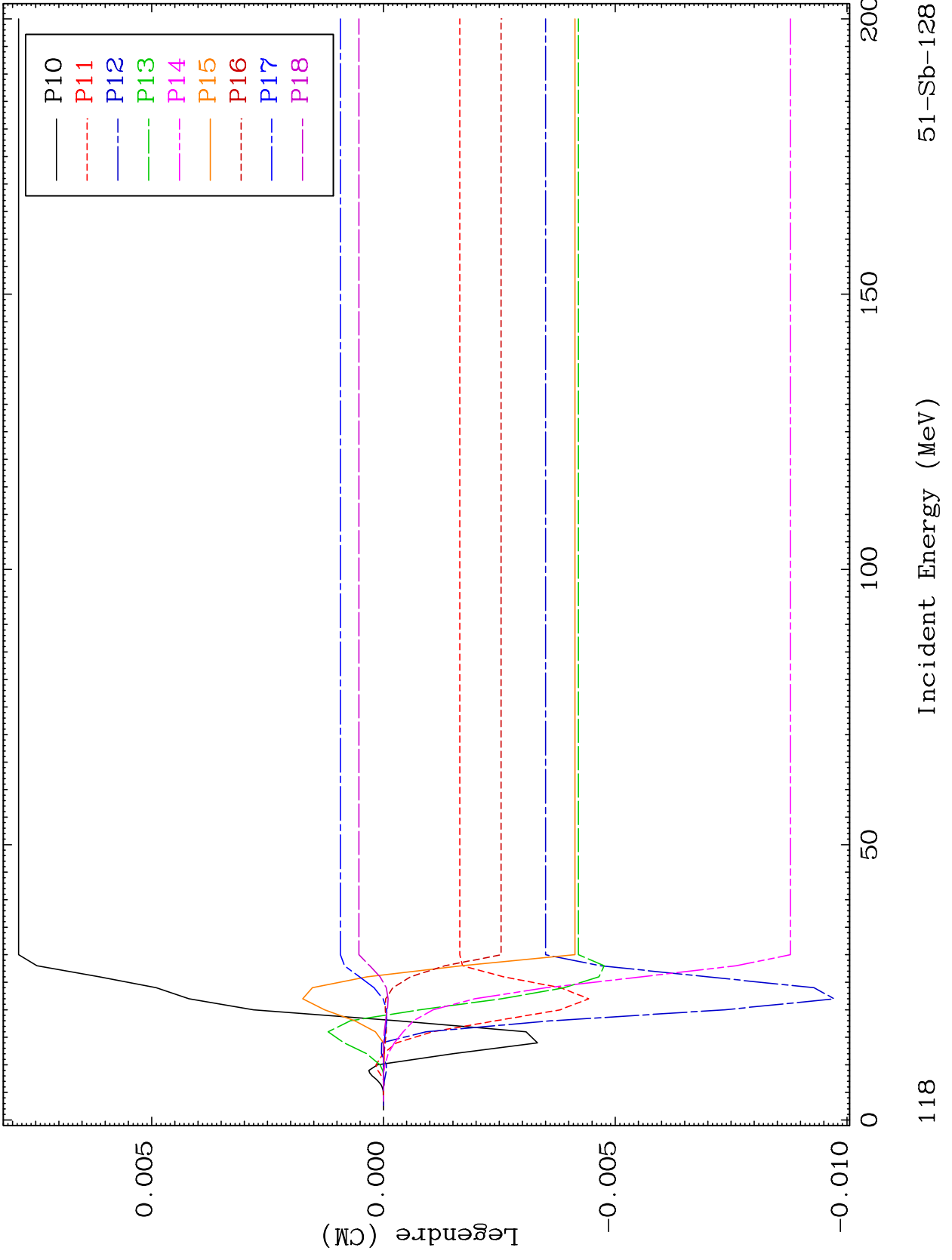
Incident Energy (MeV)

117

MAT 5146

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

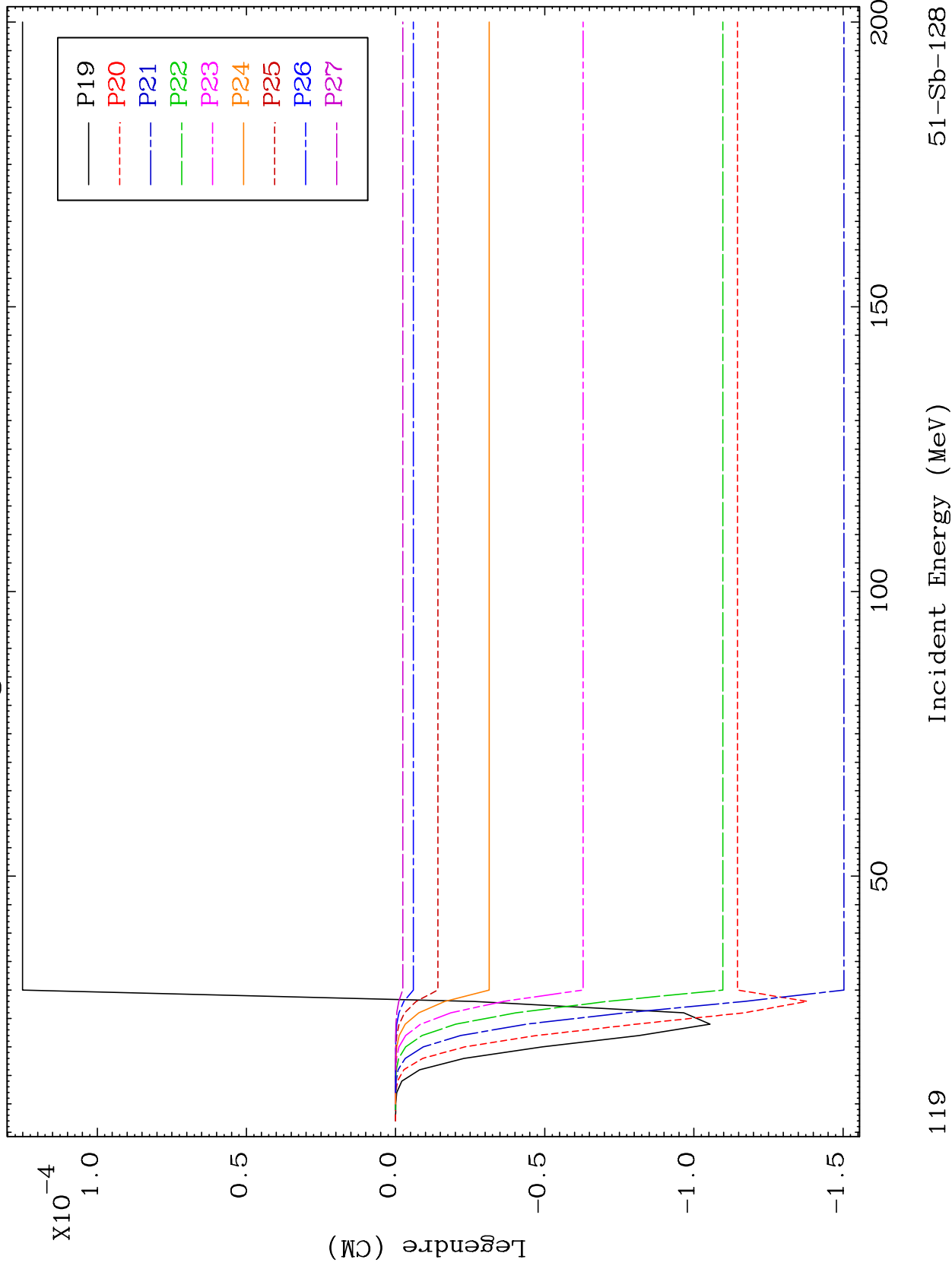
51-Sb-128

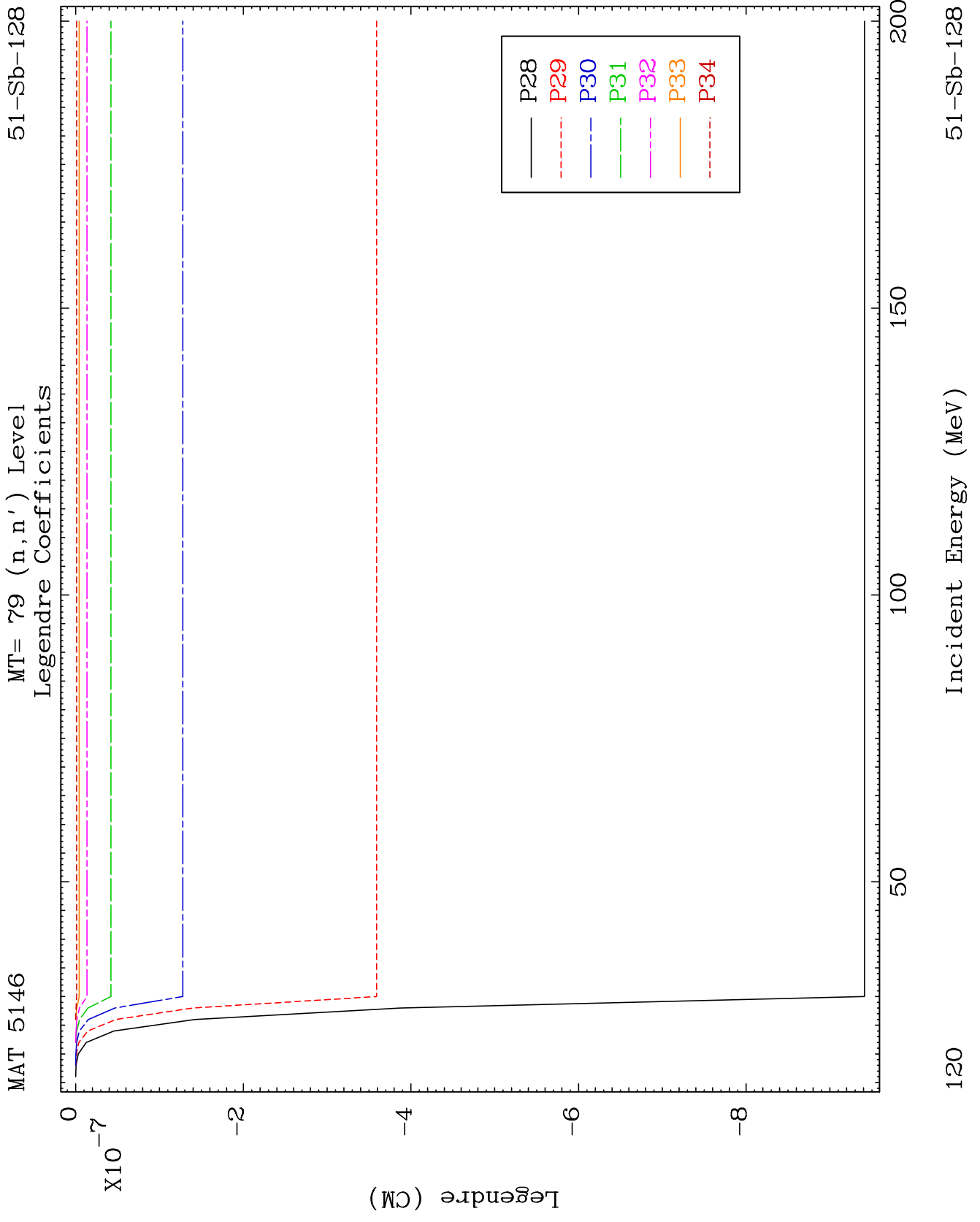


51-Sb-128

Incident Energy (MeV)

118

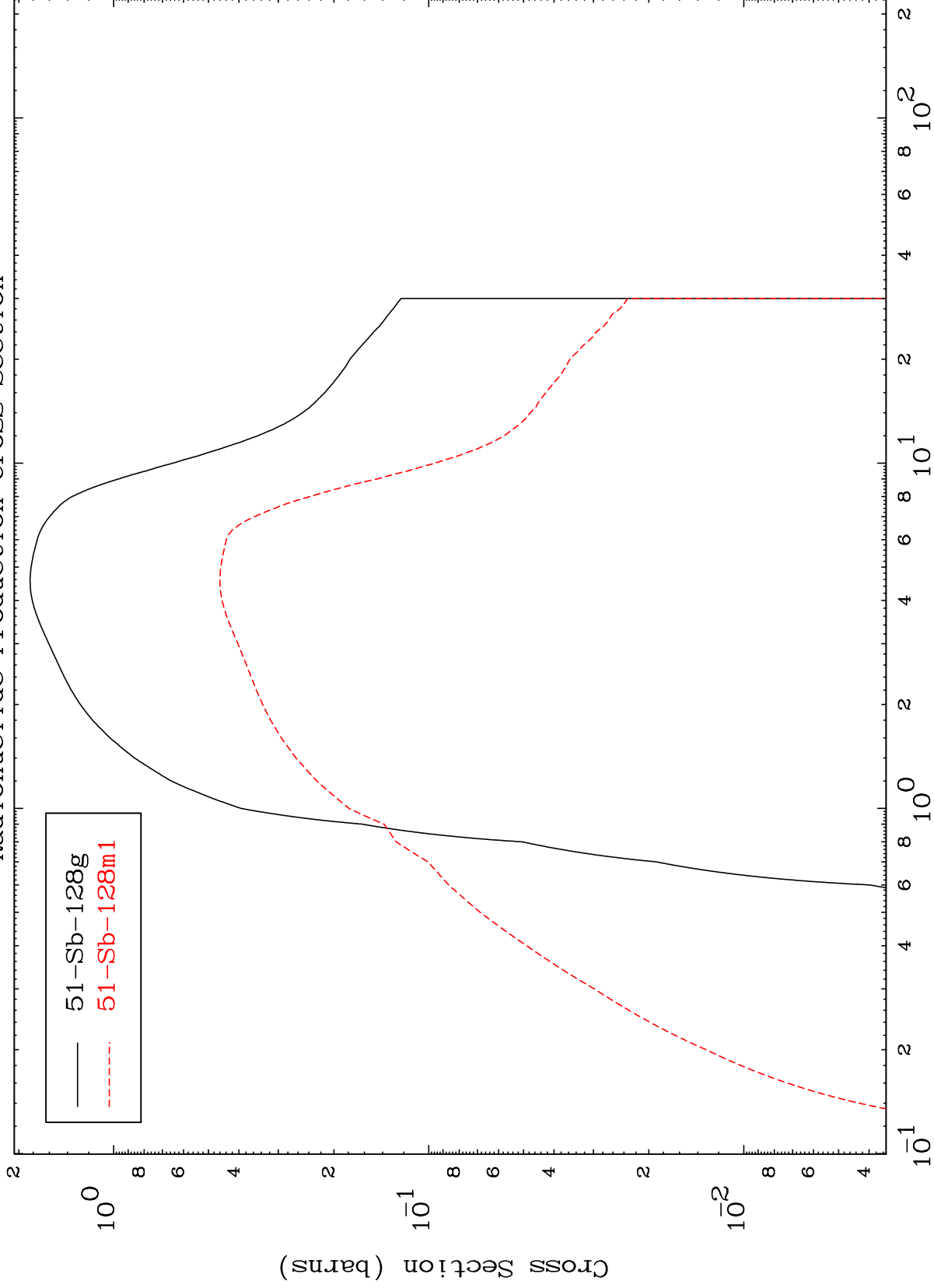




MAT 5146

51-Sb-128

Inelastic
Radionuclide Production Cross Section



51-Sb-128

Incident Energy (MeV)

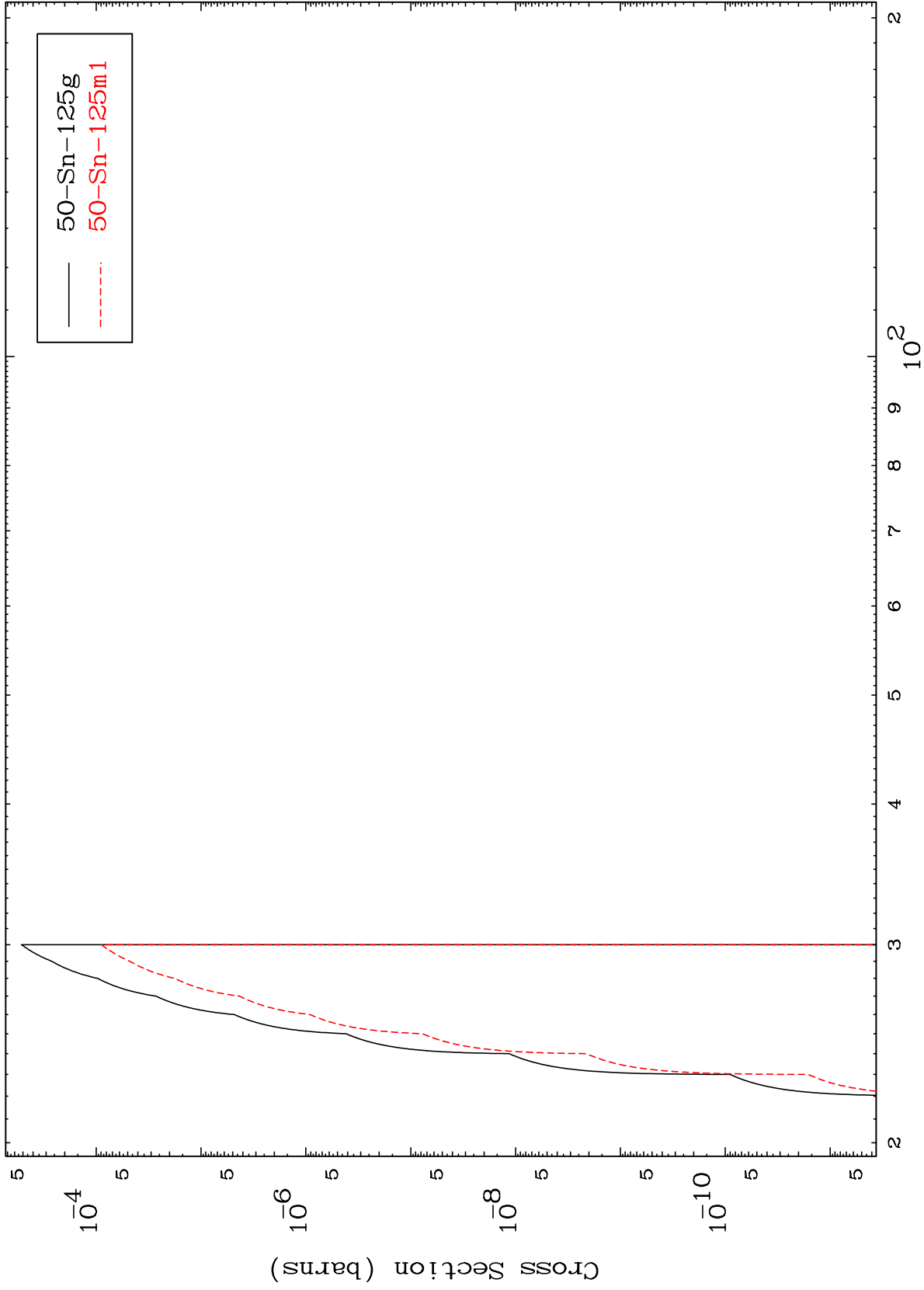
121

MAT 5146

(n,2n) d

51-Sb-128

Radionuclide Production Cross Section

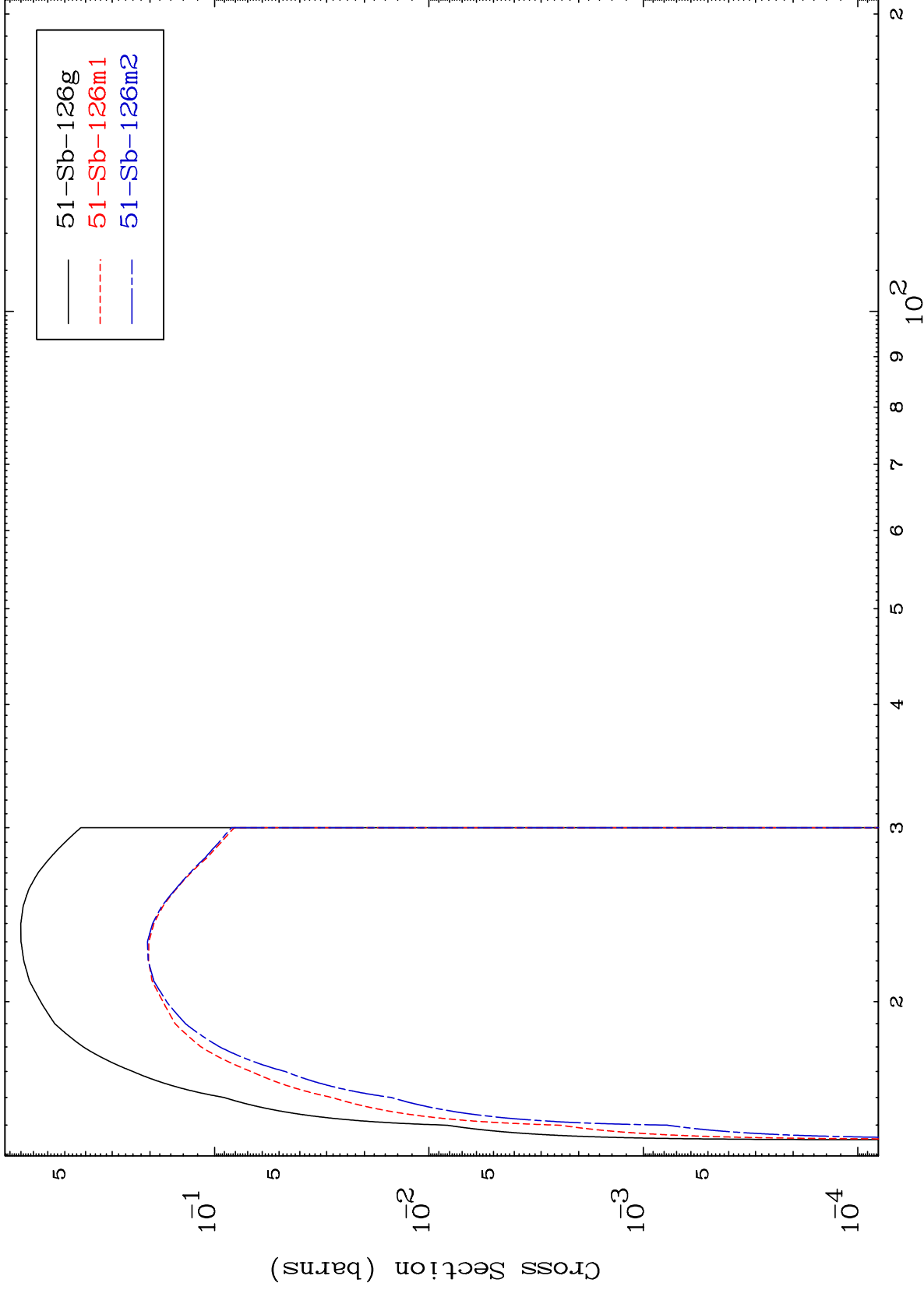


122

Incident Energy (MeV)

51-Sb-128

Radionuclide Production Cross Section

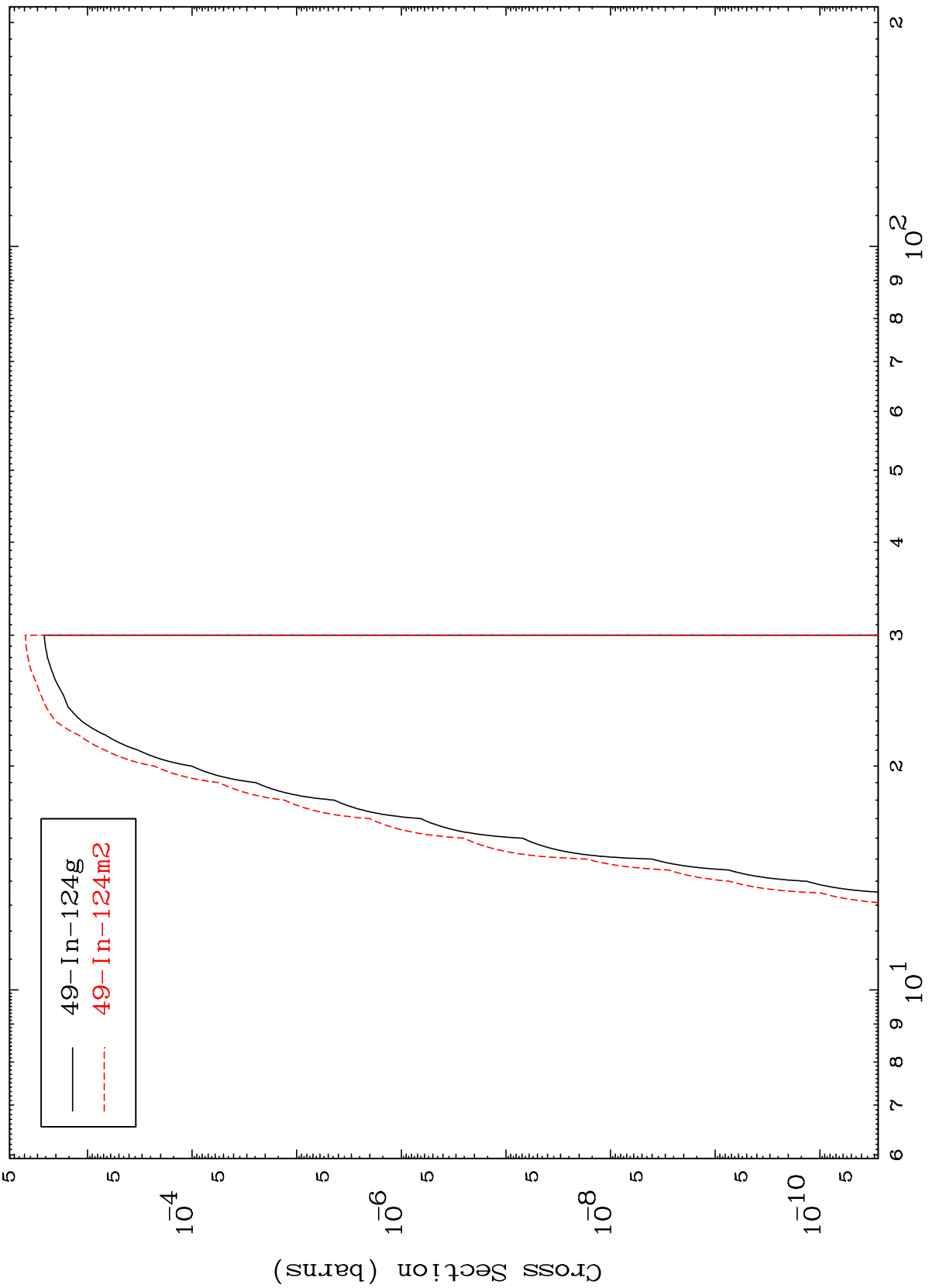


MAT 5146

(n,n') α

51-Sb-128

Radionuclide Production Cross Section



124

Incident Energy (MeV)

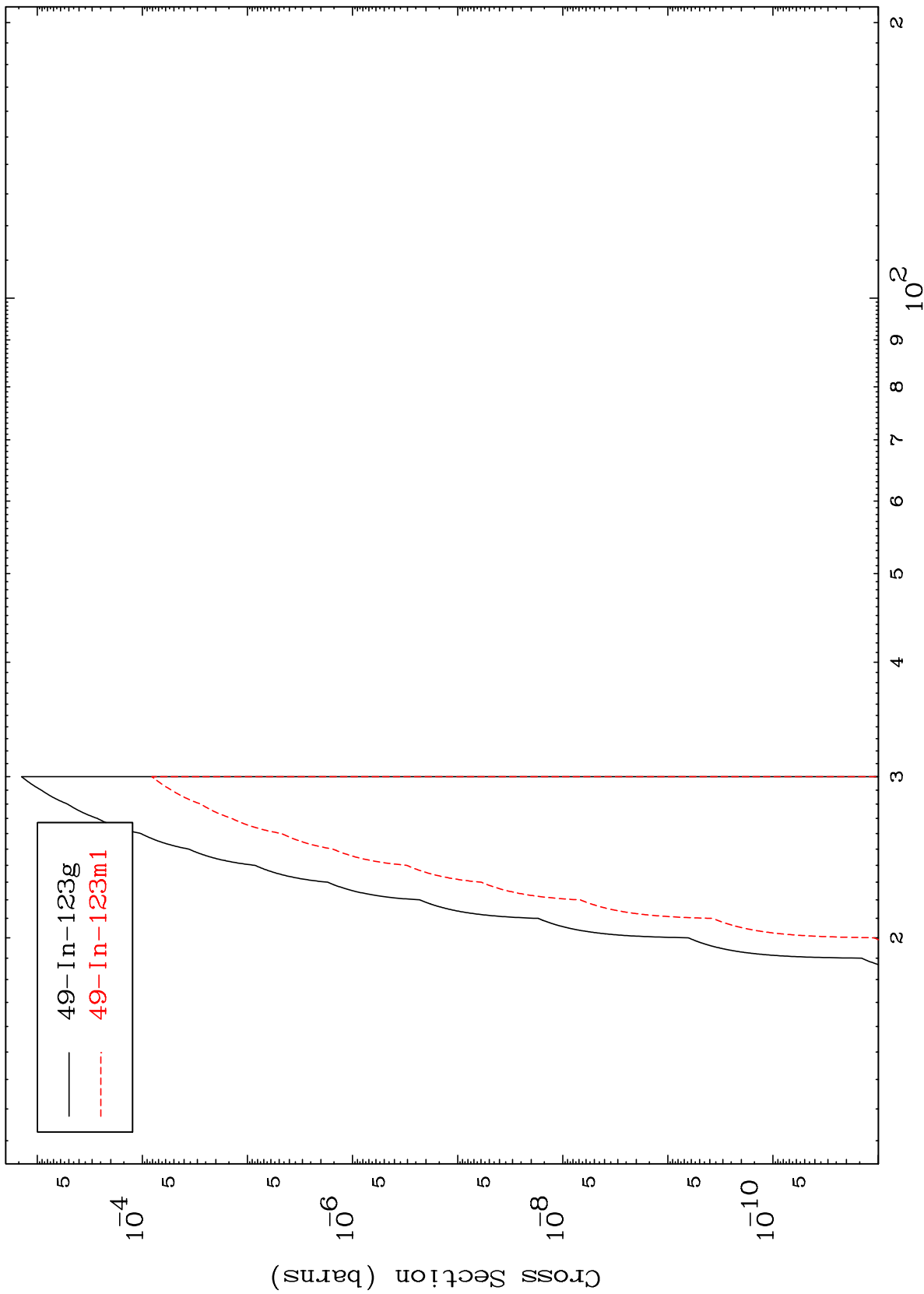
51-Sb-128

MAT 5146

(n,2n) α

51-Sb-128

Radionuclide Production Cross Section



125

Incident Energy (MeV)

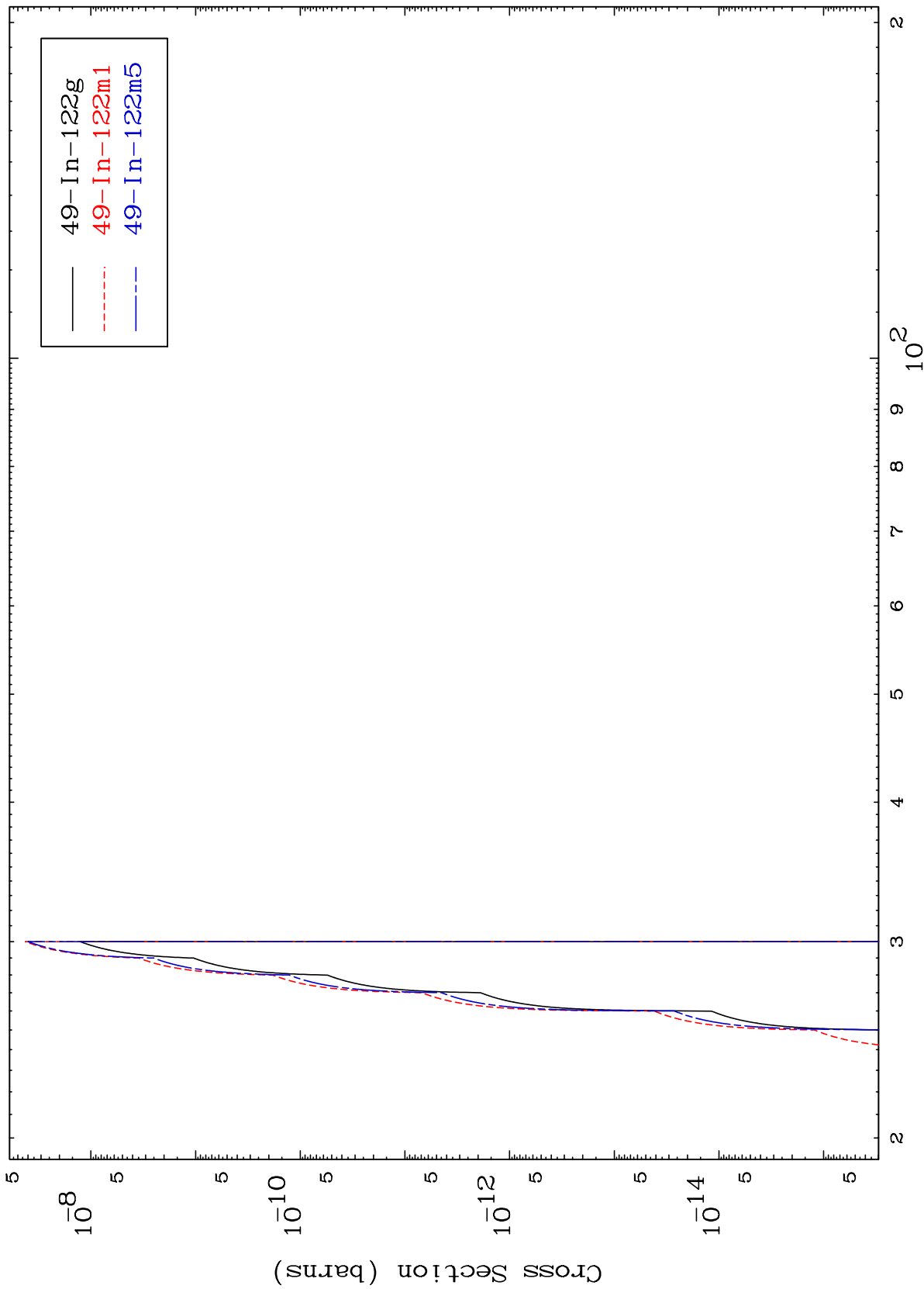
51-Sb-128

MAT 5146

(n,3n) α

51-Sb-128

Radionuclide Production Cross Section



126

Incident Energy (MeV)

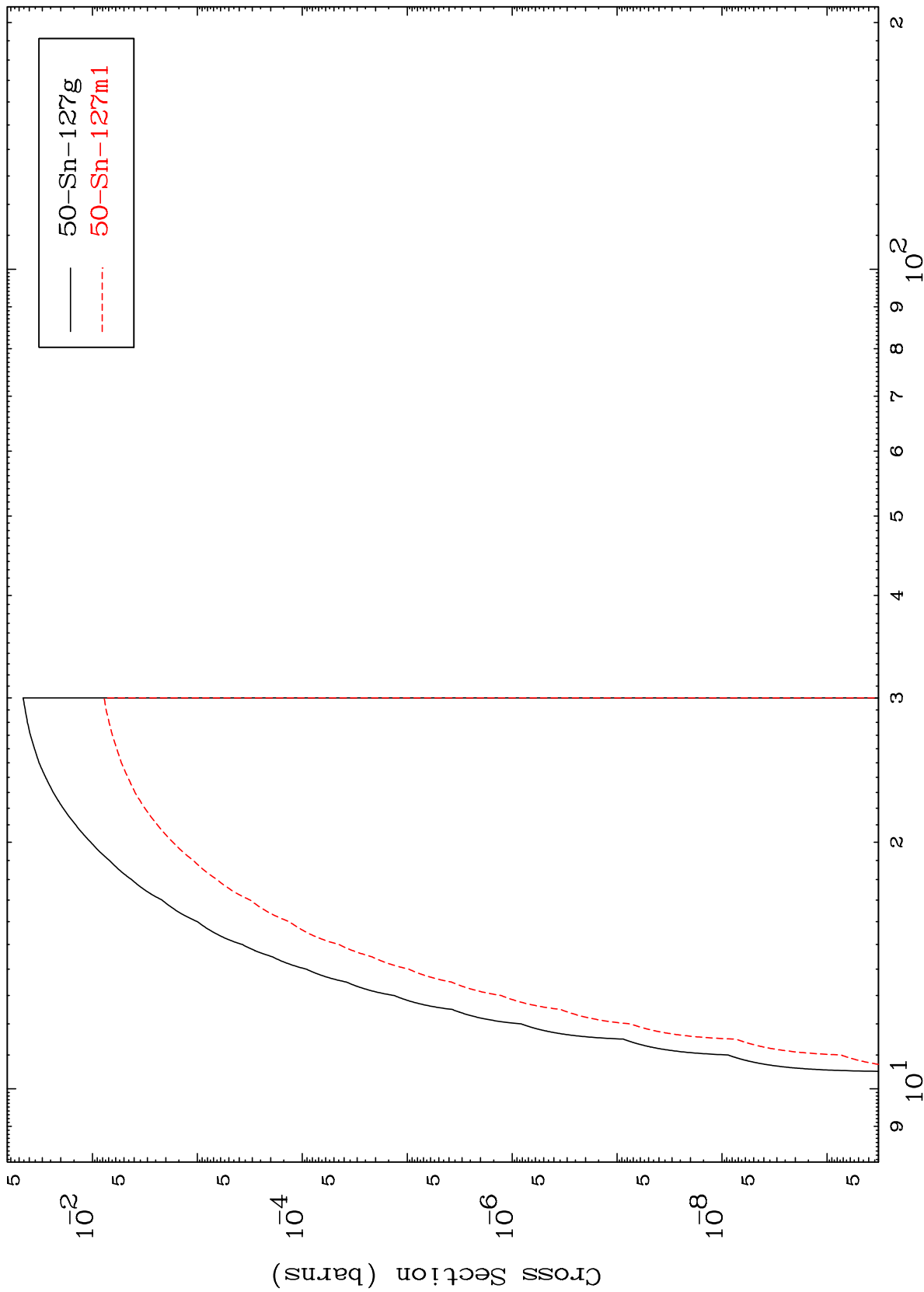
51-Sb-128

MAT 5146

(n,n') p

51-Sb-128

Radionuclide Production Cross Section



127

Incident Energy (MeV)

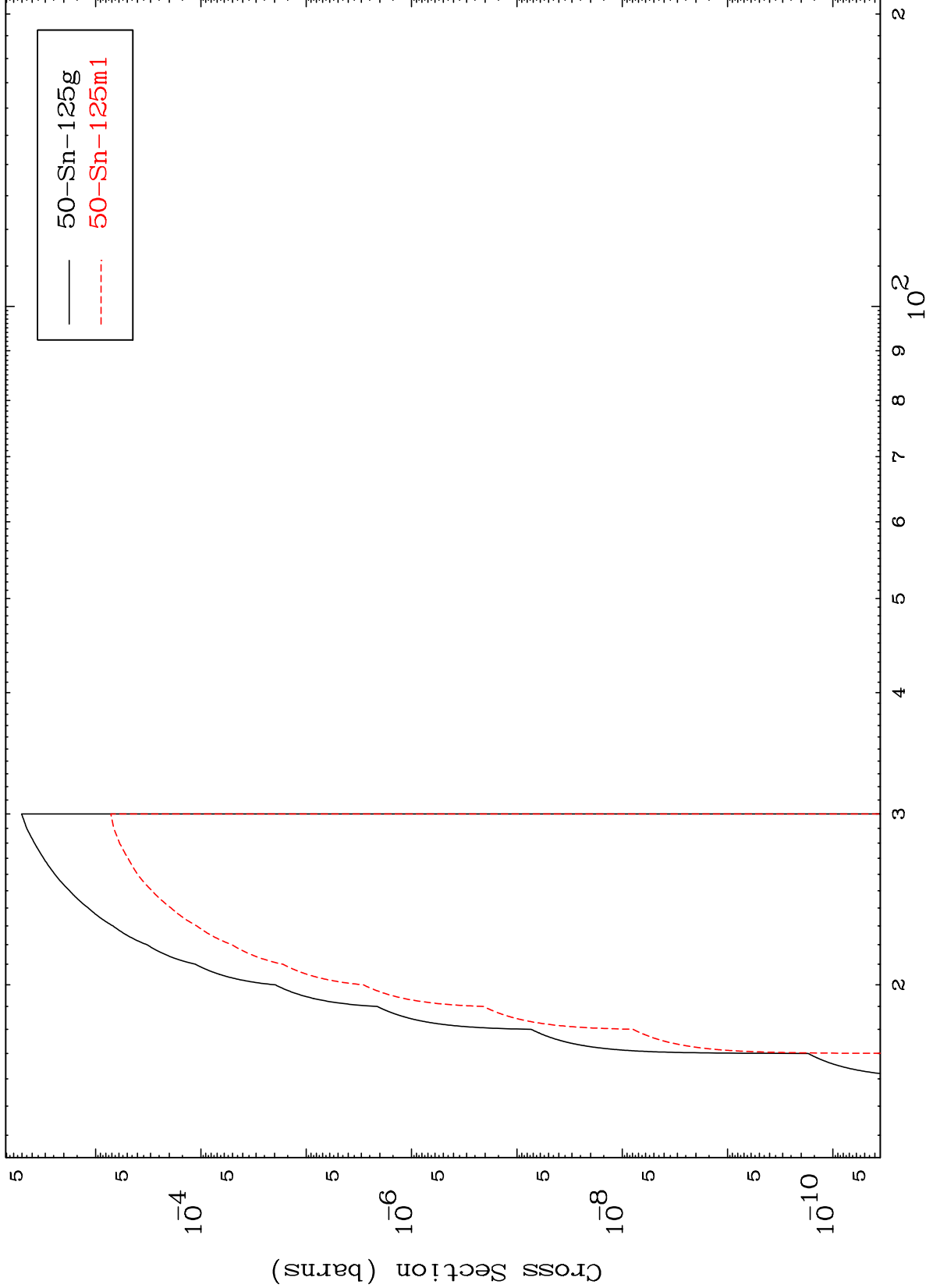
51-Sb-128

MAT 5146

(n,n') t

51-Sb-128

Radionuclide Production Cross Section

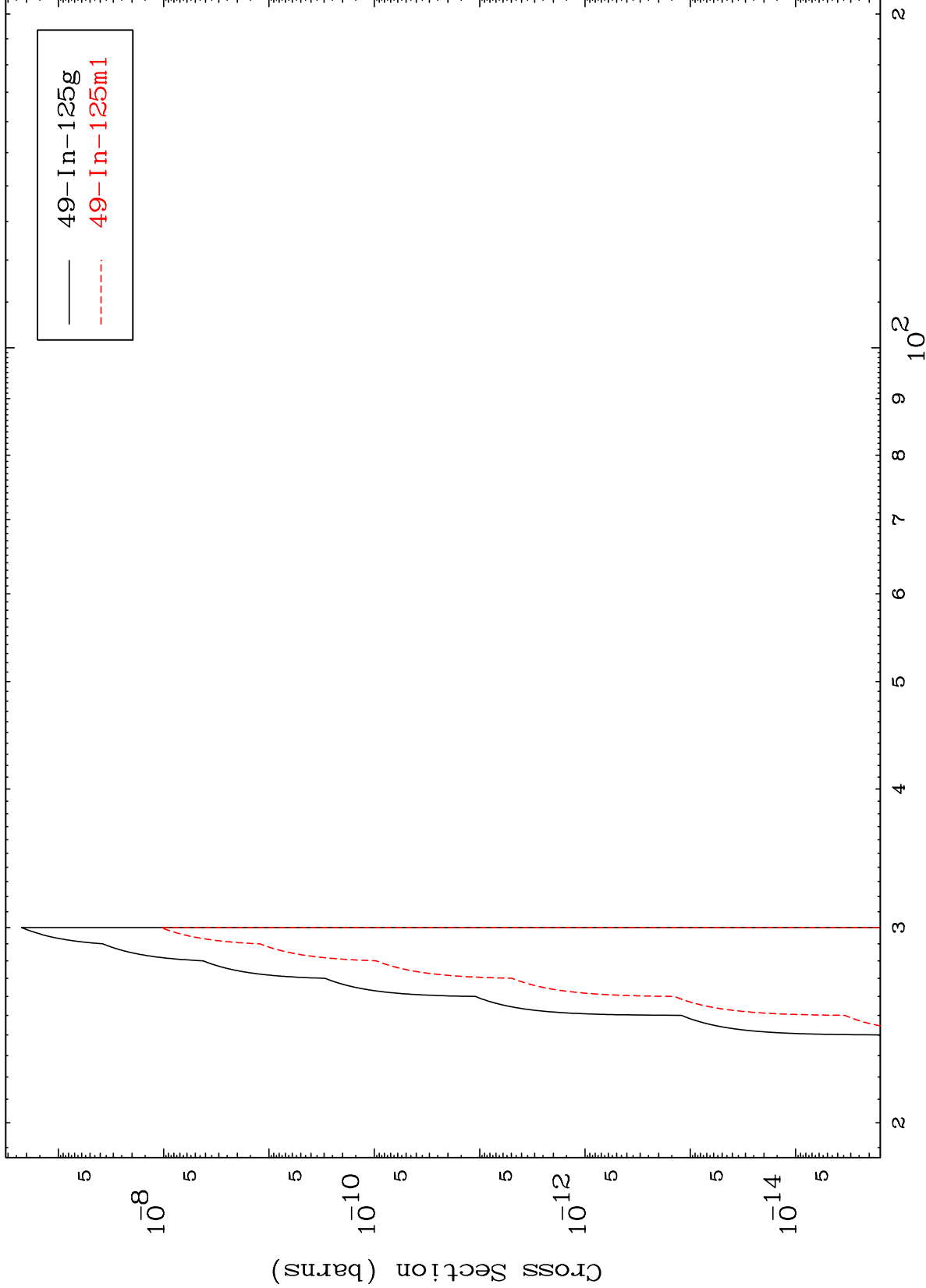


128

Incident Energy (MeV)

51-Sb-128

Radionuclide Production Cross Section

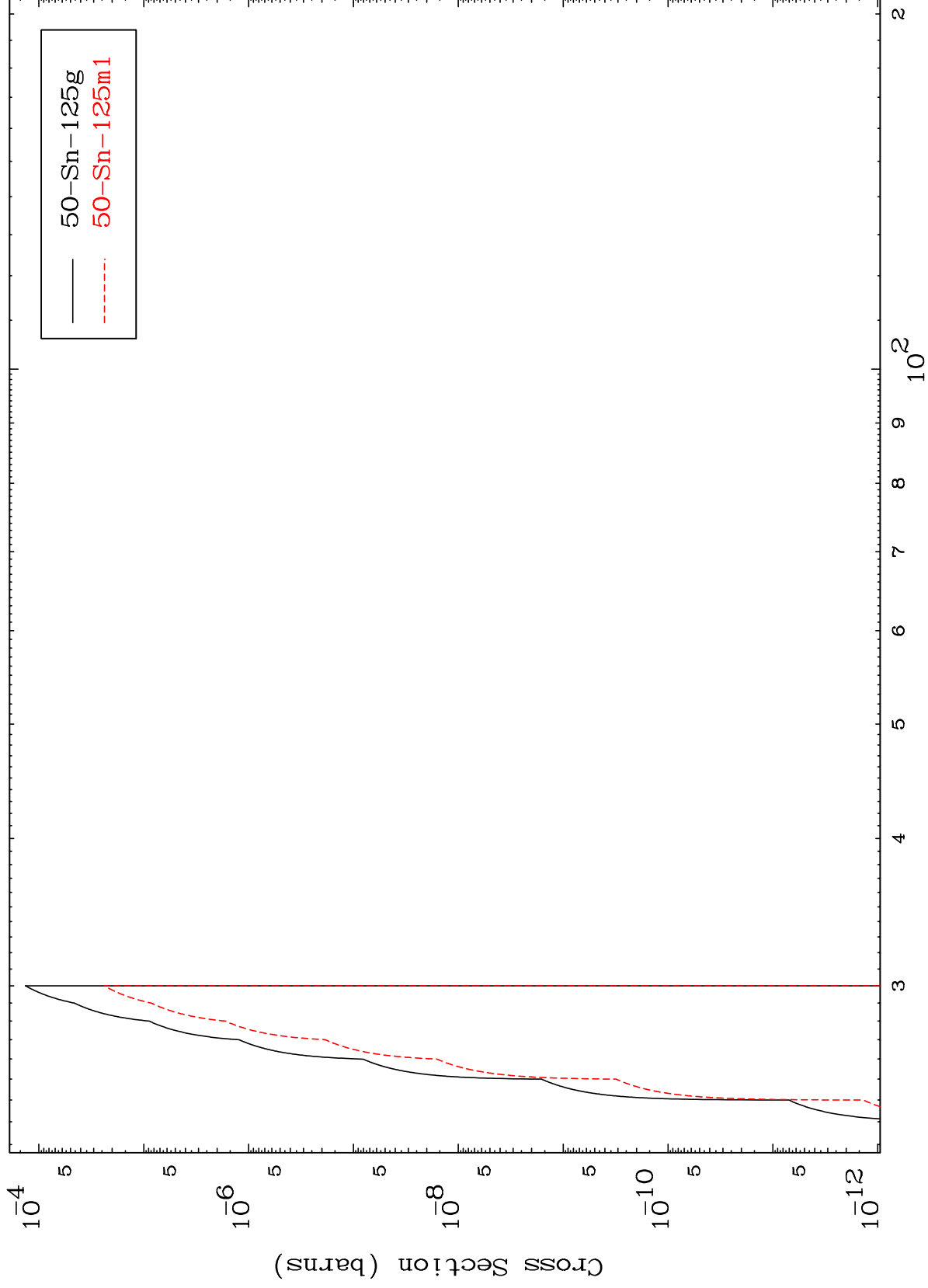


MAT 5146

(n,3n) p

51-Sb-128

Radionuclide Production Cross Section



130

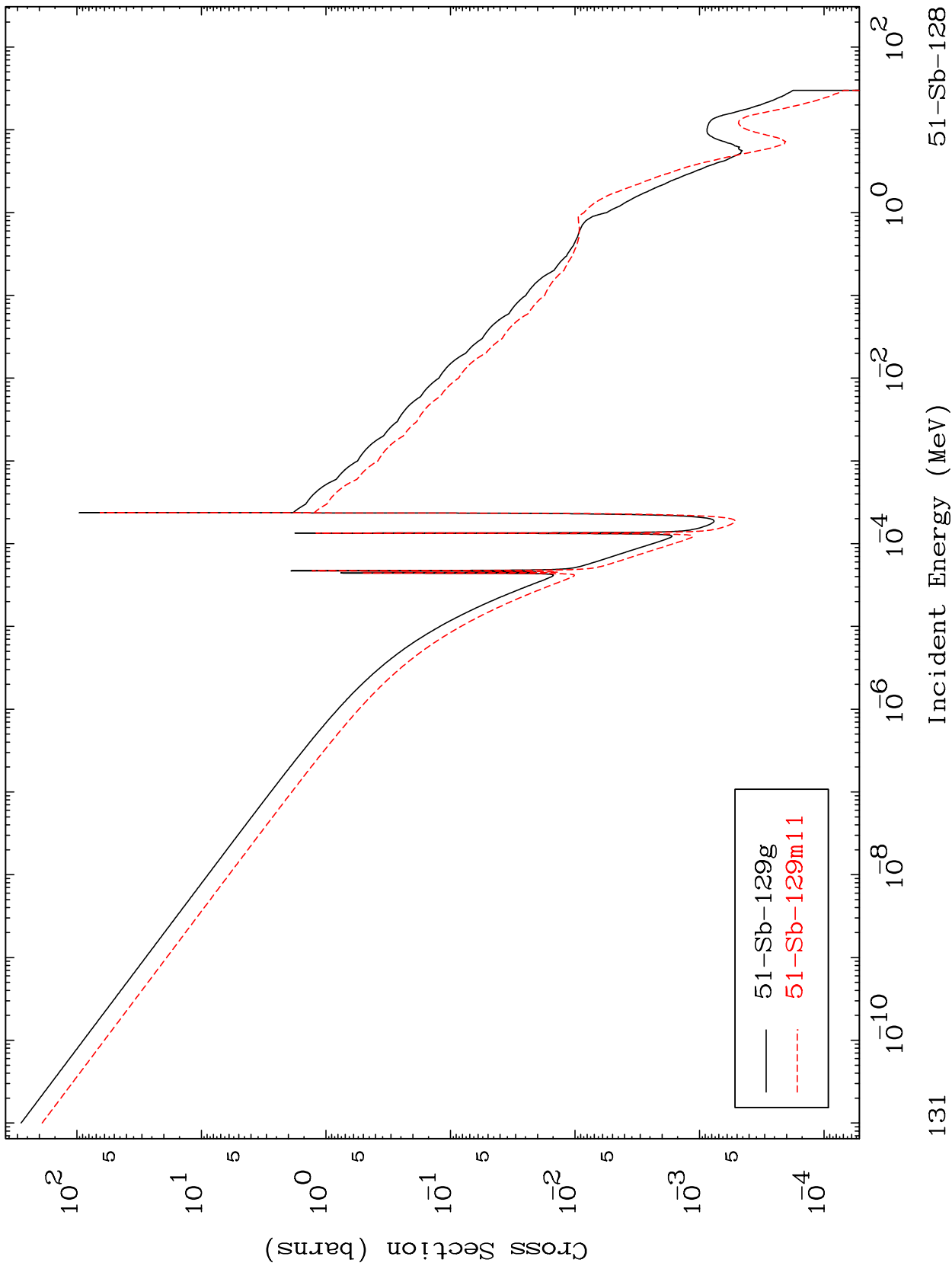
Incident Energy (MeV)

51-Sb-128

MAT 5146

51-Sb-128

(n, γ)
Radionuclide Production Cross Section



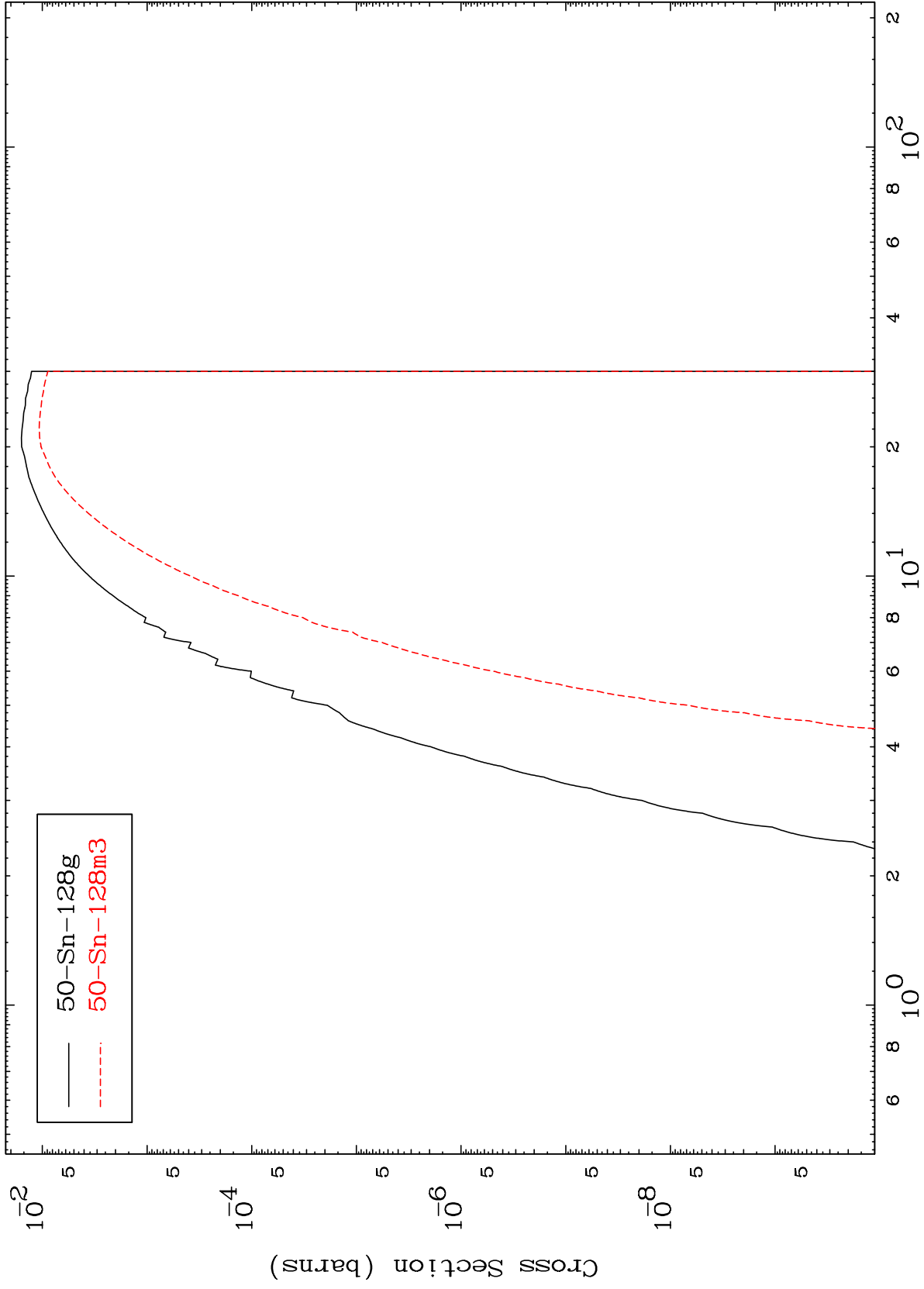
131

51-Sb-128

MAT 5146

51-Sb-128

(n,p)
Radionuclide Production Cross Section



132

Incident Energy (MeV)

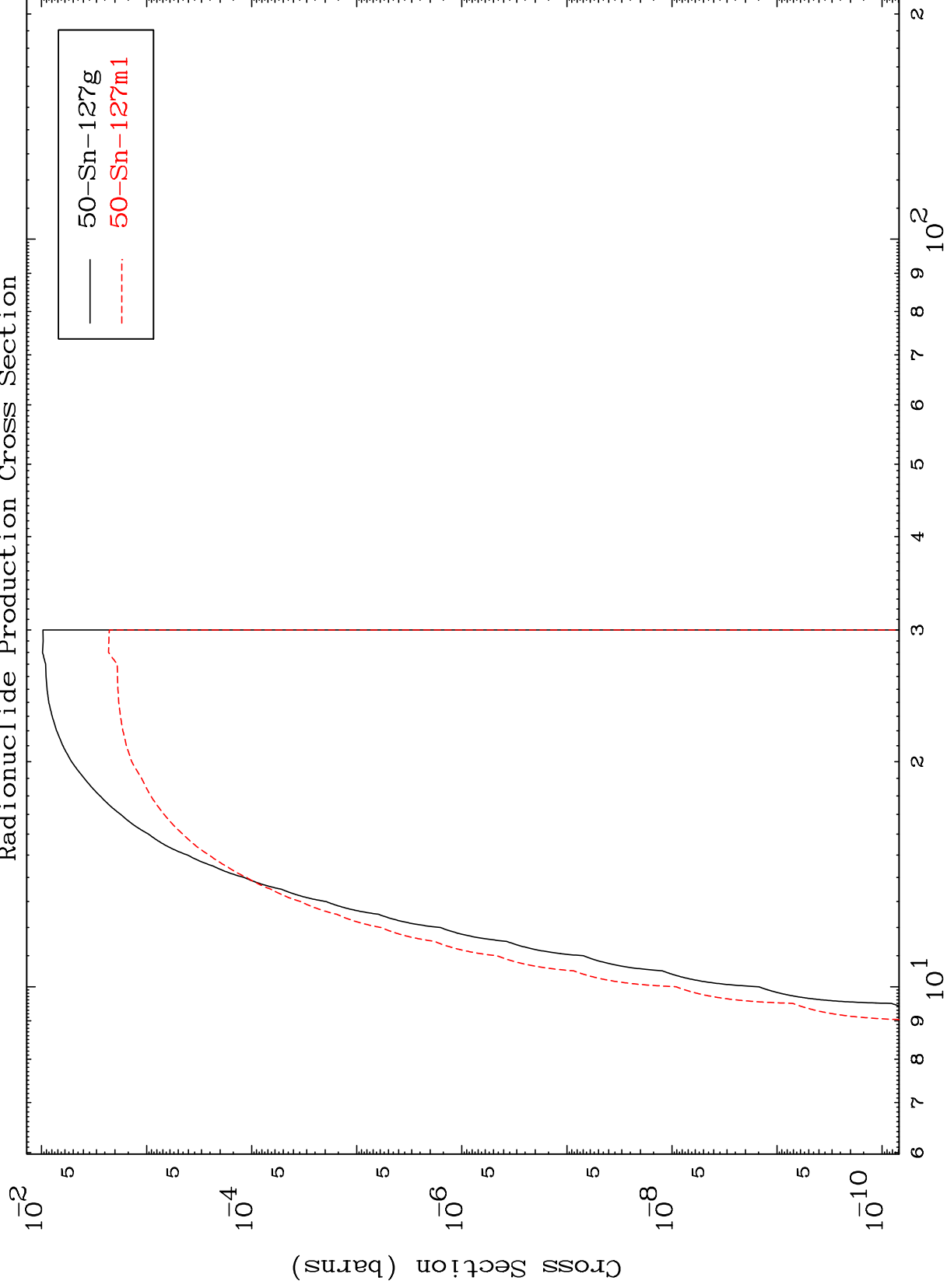
51-Sb-128

MAT 5146

(n,d)

51-Sb-128

Radionuclide Production Cross Section



133

Incident Energy (MeV)

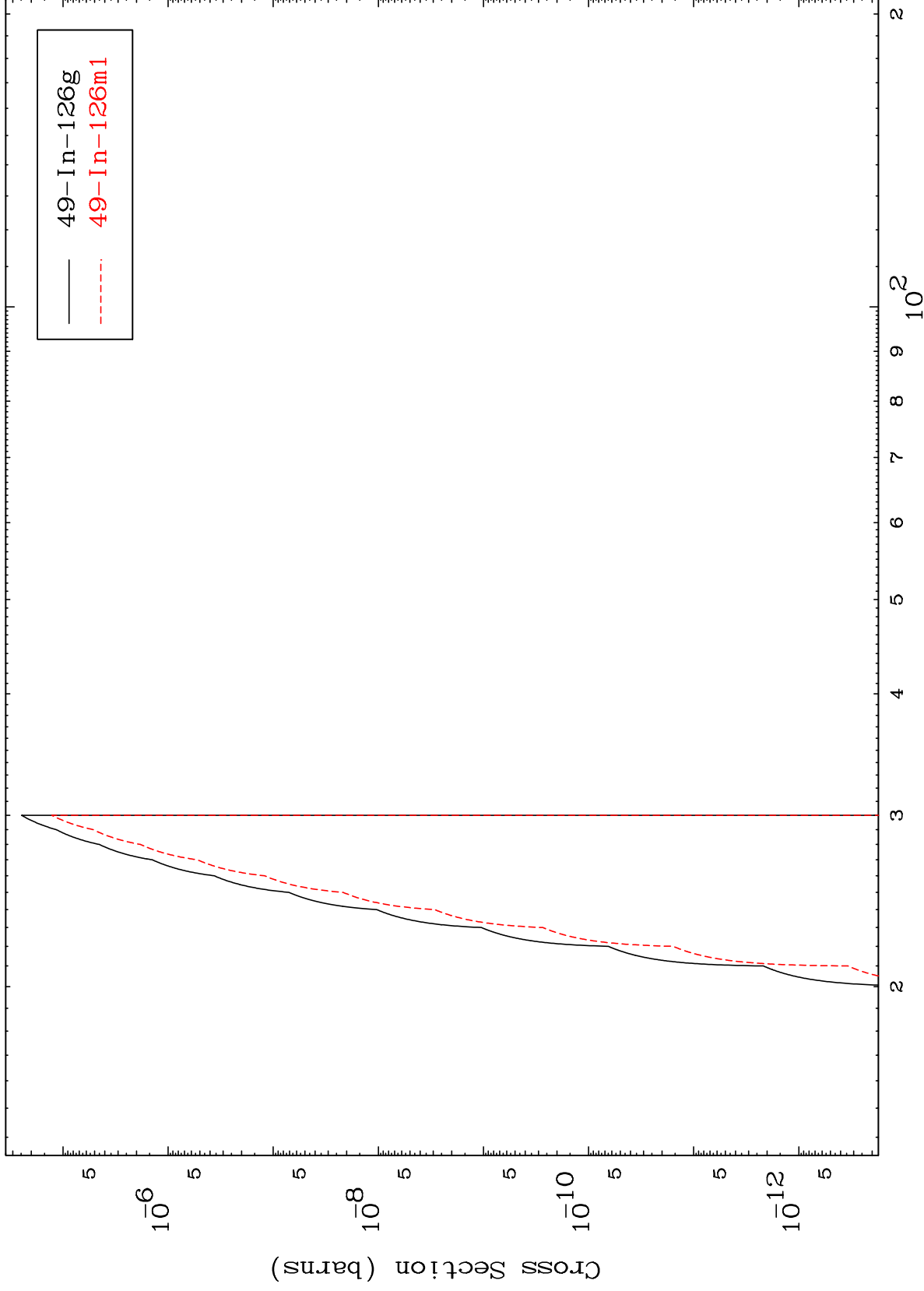
51-Sb-128

MAT 5146

(n,He-3)

51-Sb-128

Radionuclide Production Cross Section



134

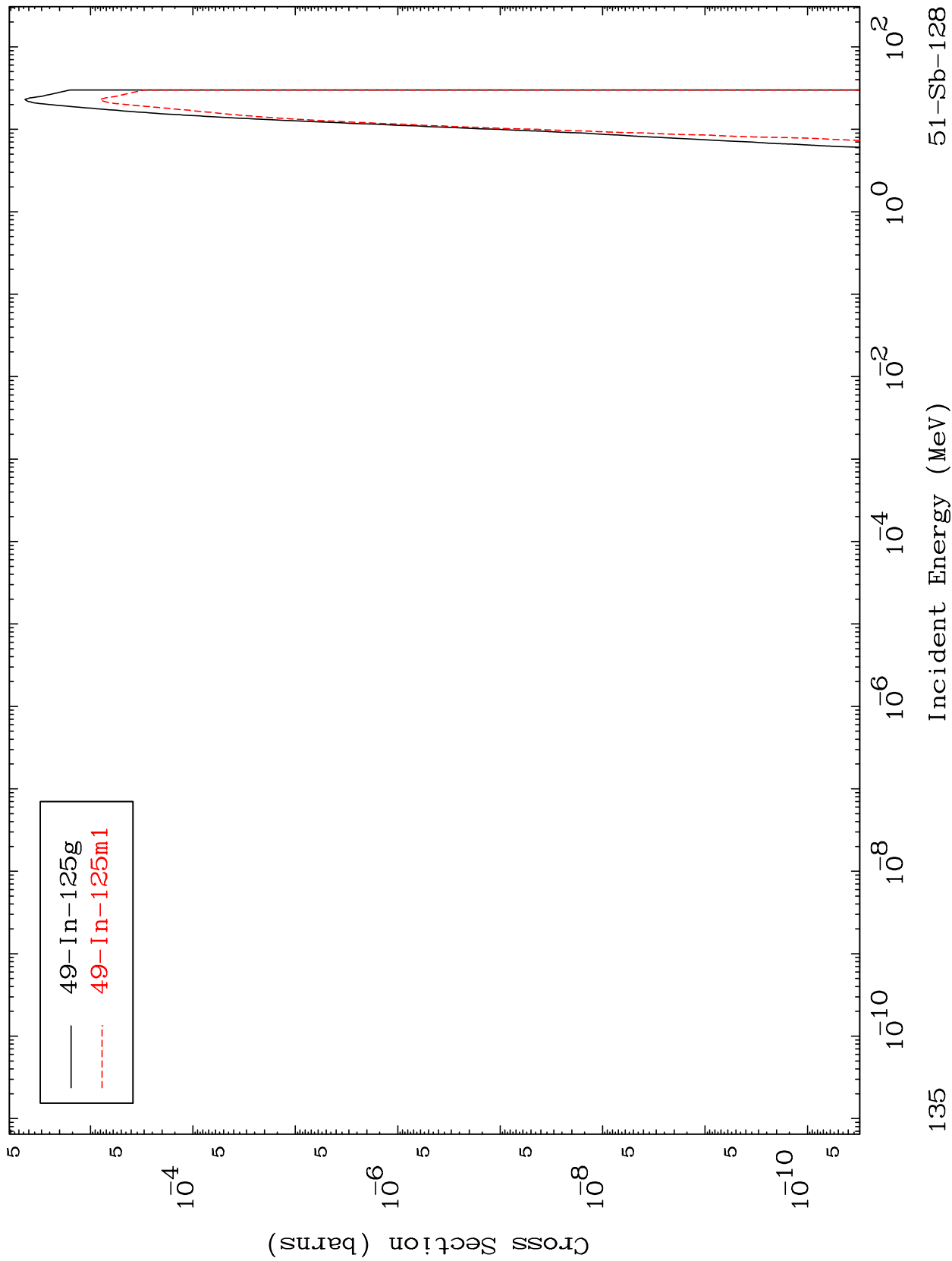
Incident Energy (MeV)

51-Sb-128

MAT 5146

51-Sb-128

(n, α)
Radionuclide Production Cross Section

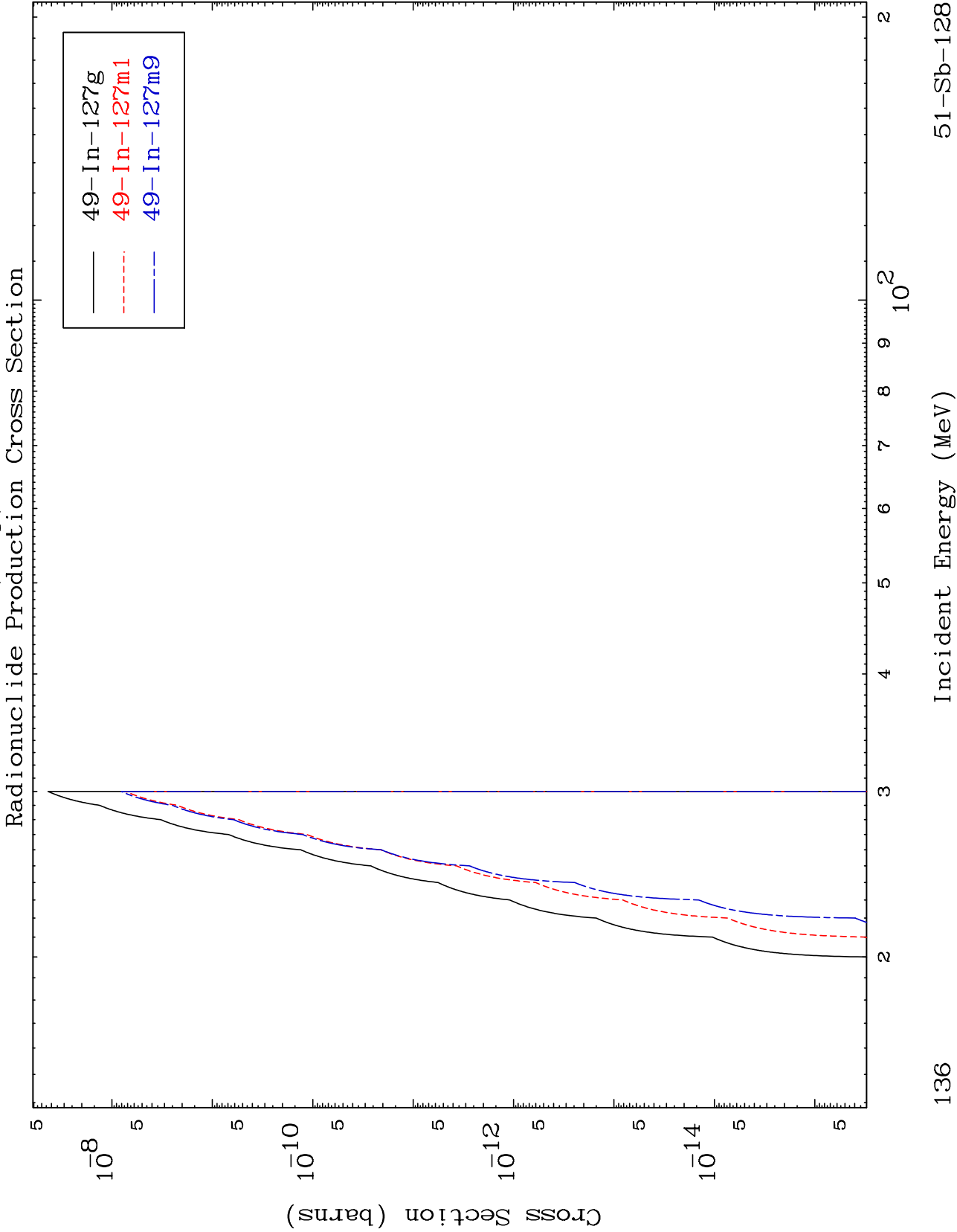


135

MAT 5146

(n,2p)

51-Sb-128



136

51-Sb-128