

Program EVALPLOT
(Version 2018-1)

by

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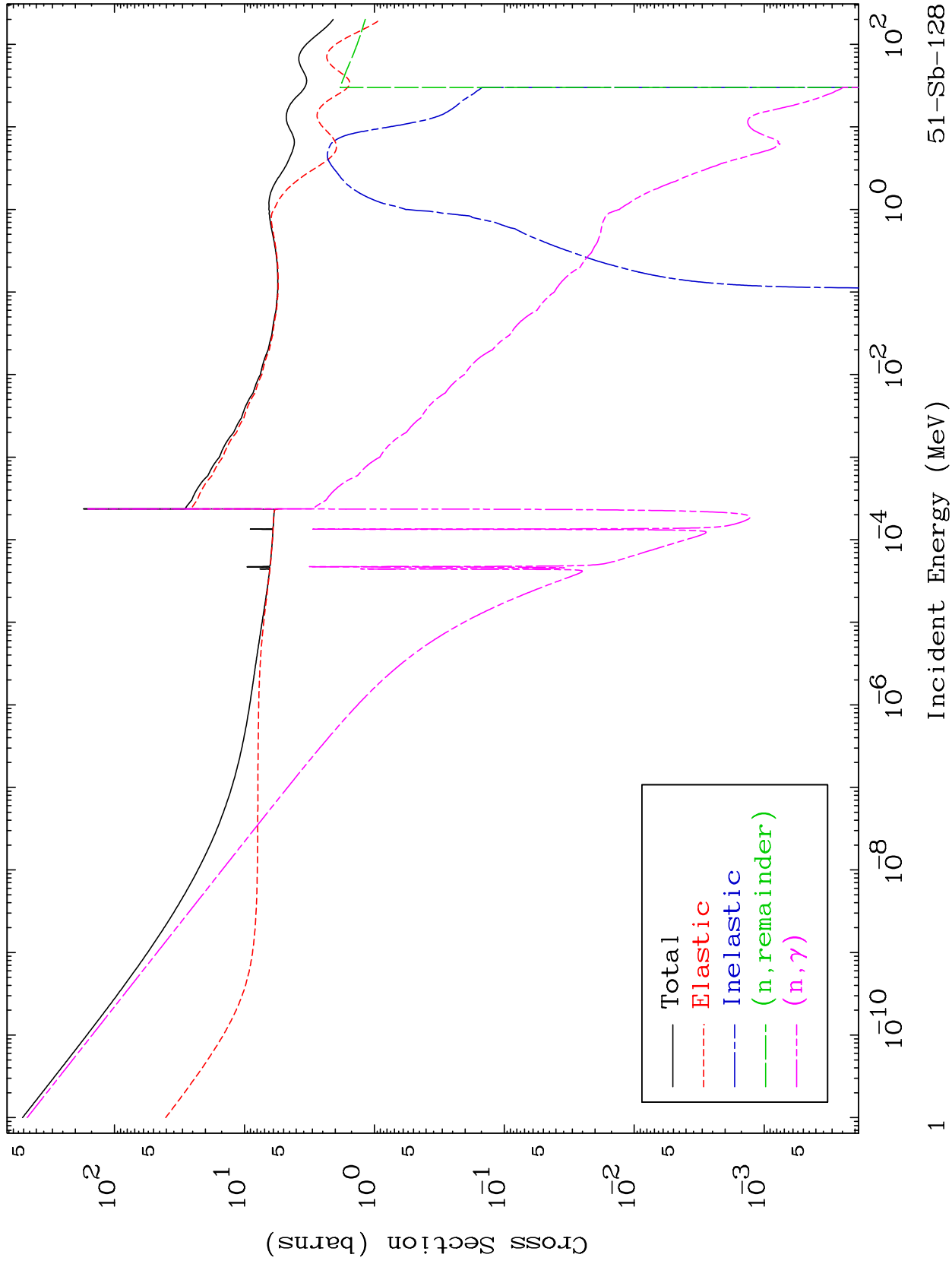
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Web:redcullen1.net/HOMEPAGE.NEW

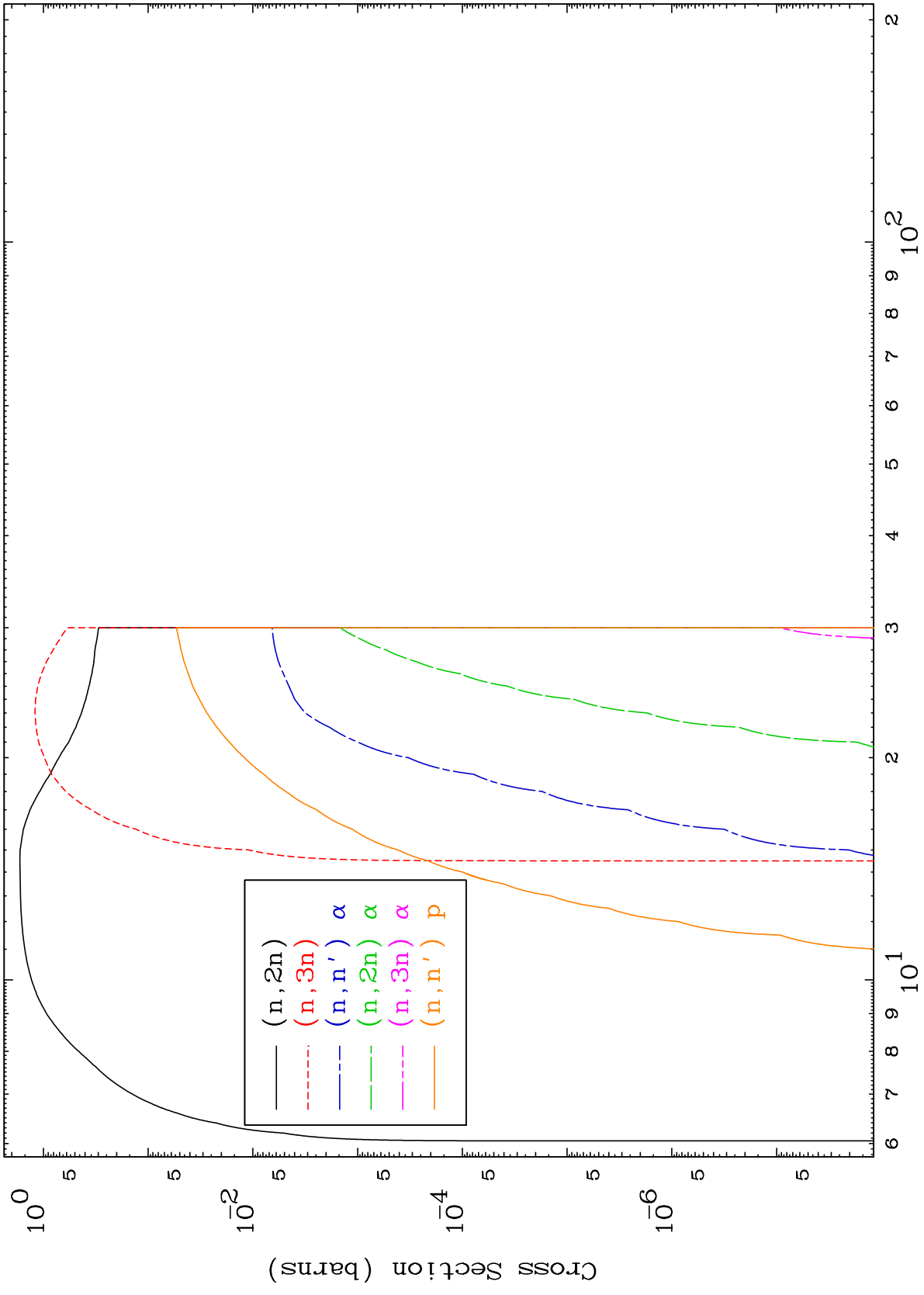
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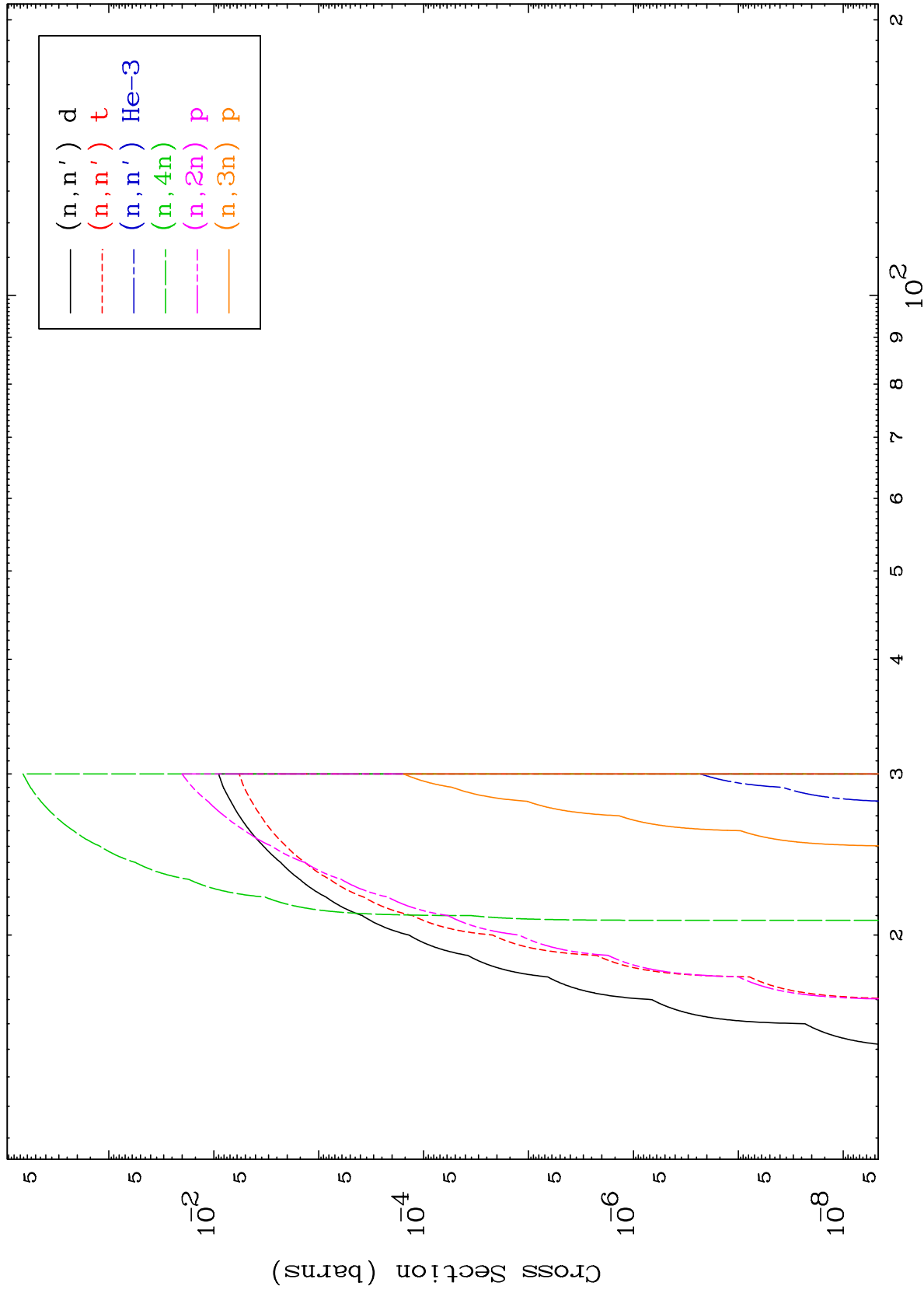
MAT 5146

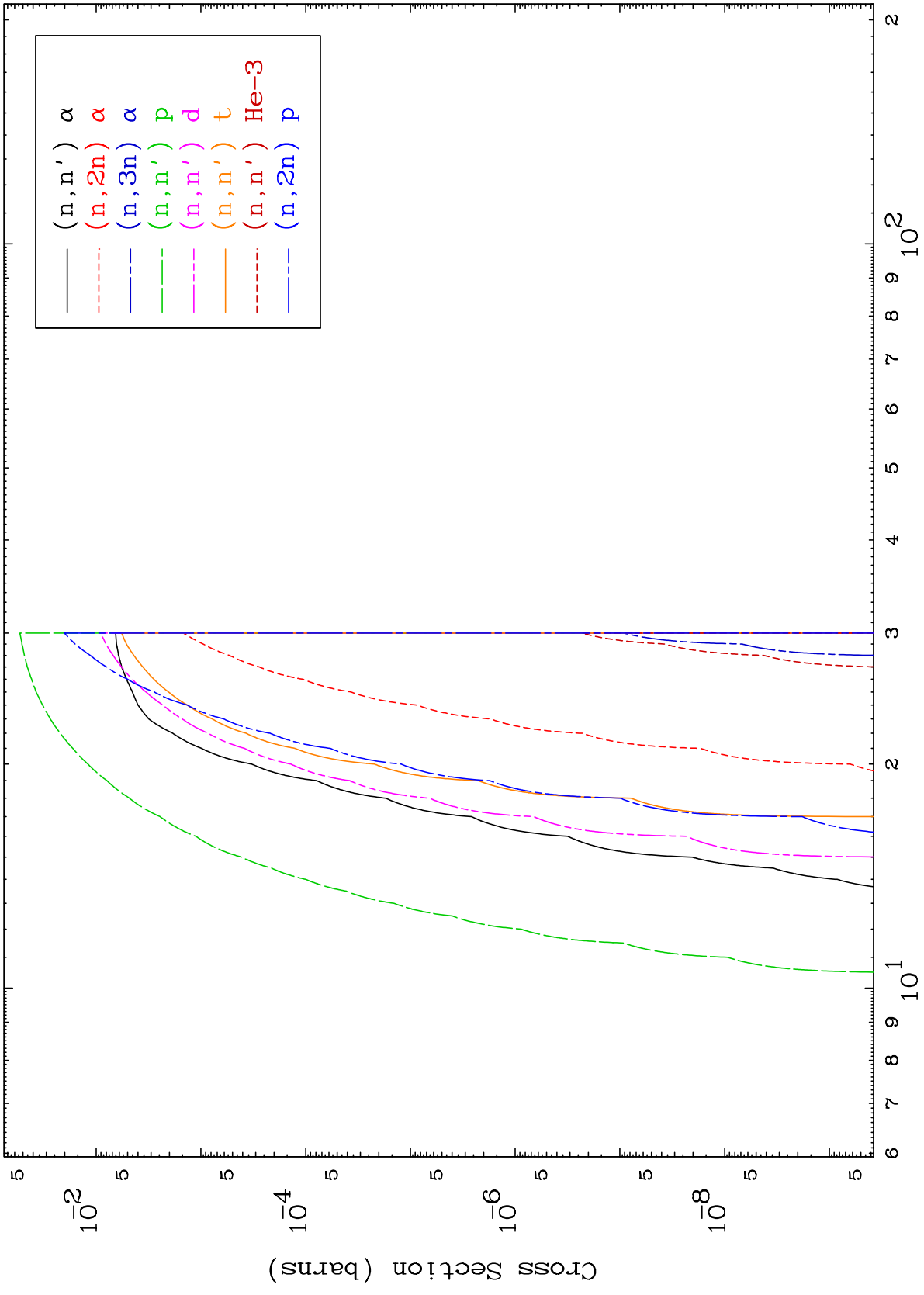
Major
293 Kelvin Cross Sections

51-Sb-128





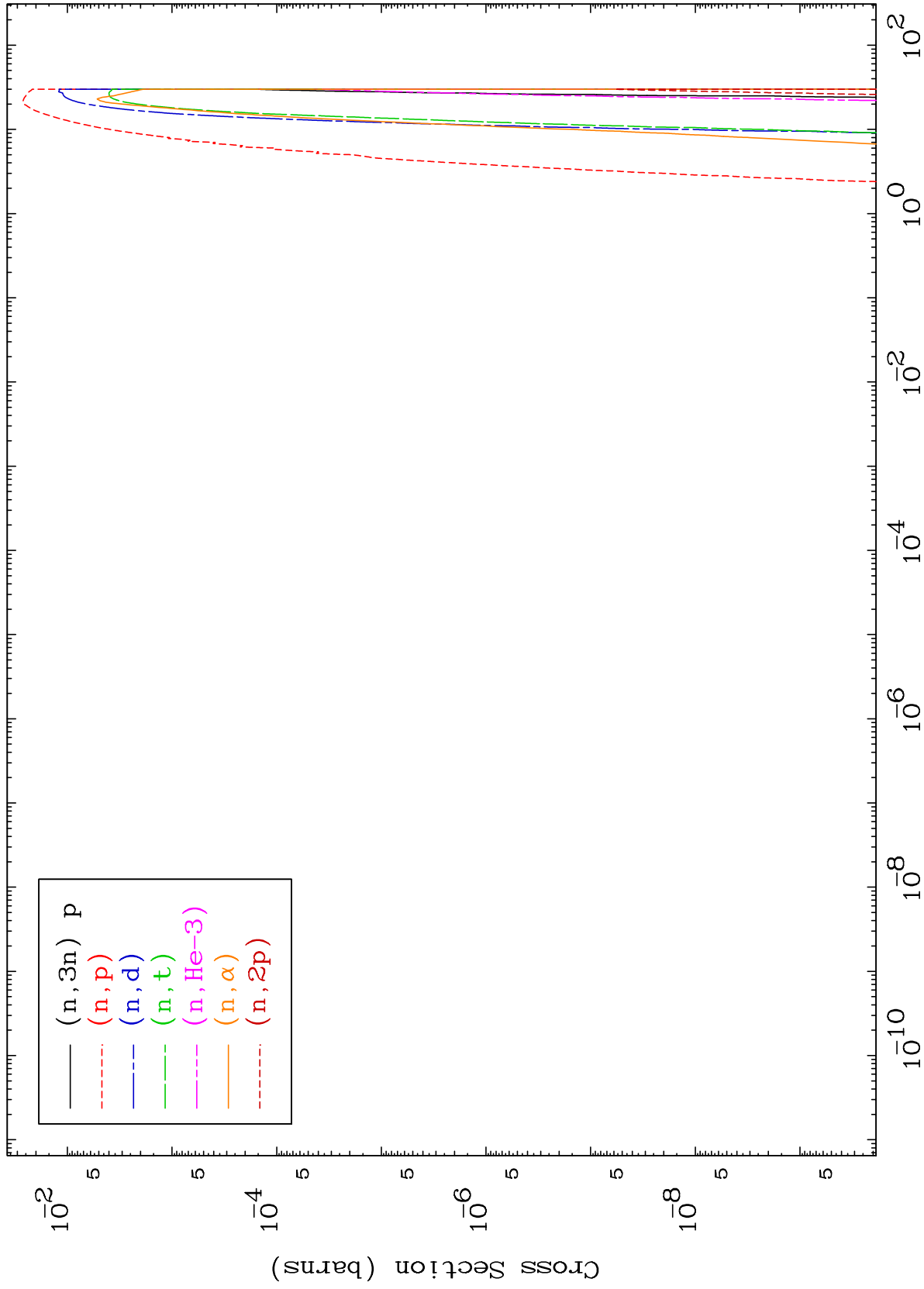




MAT 5146

Charged Particle
293 Kelvin Cross Sections

51-Sb-128



5

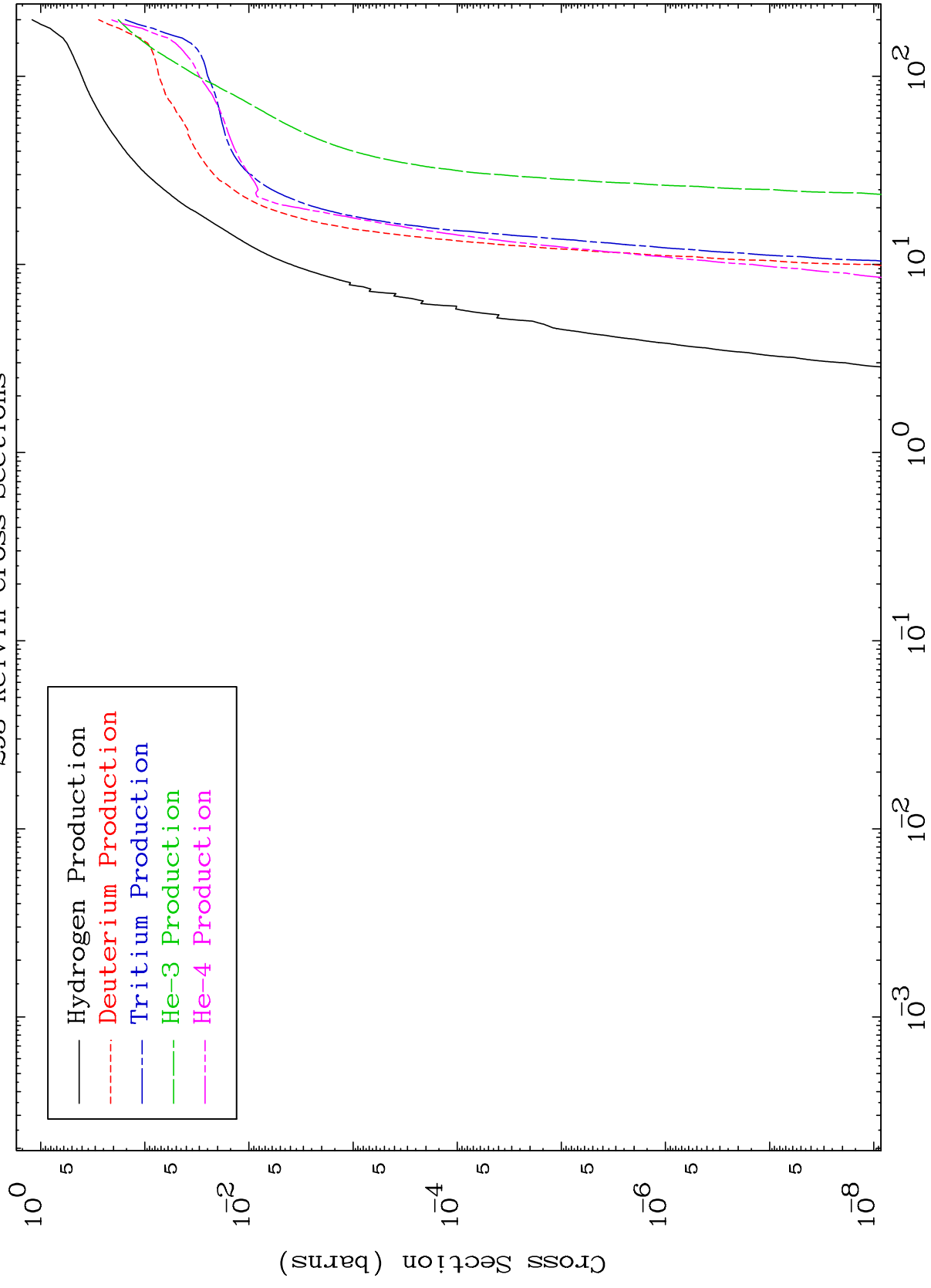
Incident Energy (MeV)

51-Sb-128

MAT 5146

Particle Production
293 Kelvin Cross Sections

51-Sb-128



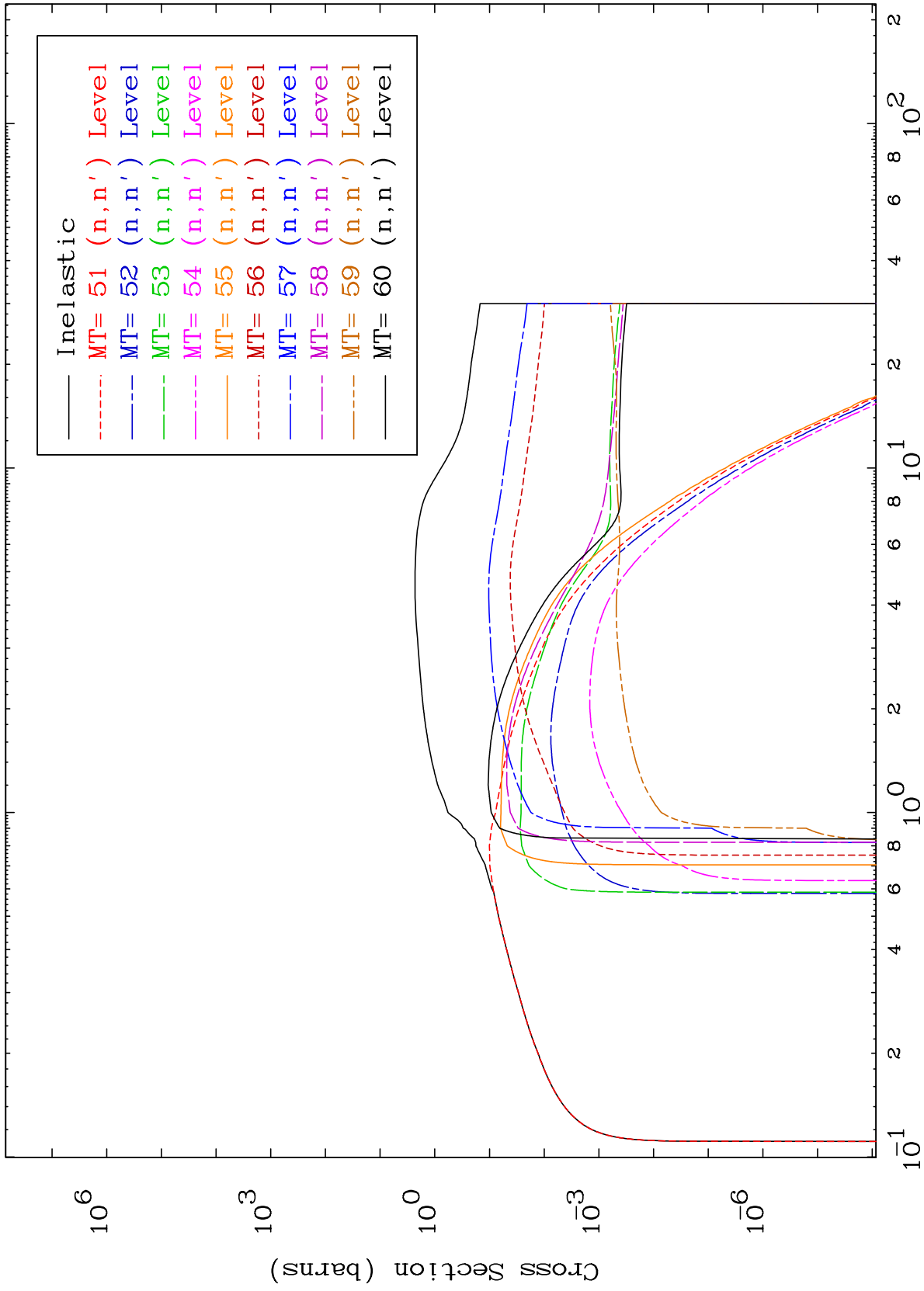
51-Sb-128

MAT 5146

(n,n') Level

51-Sb-128

293 Kelvin Cross Sections



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Incident Energy (MeV)

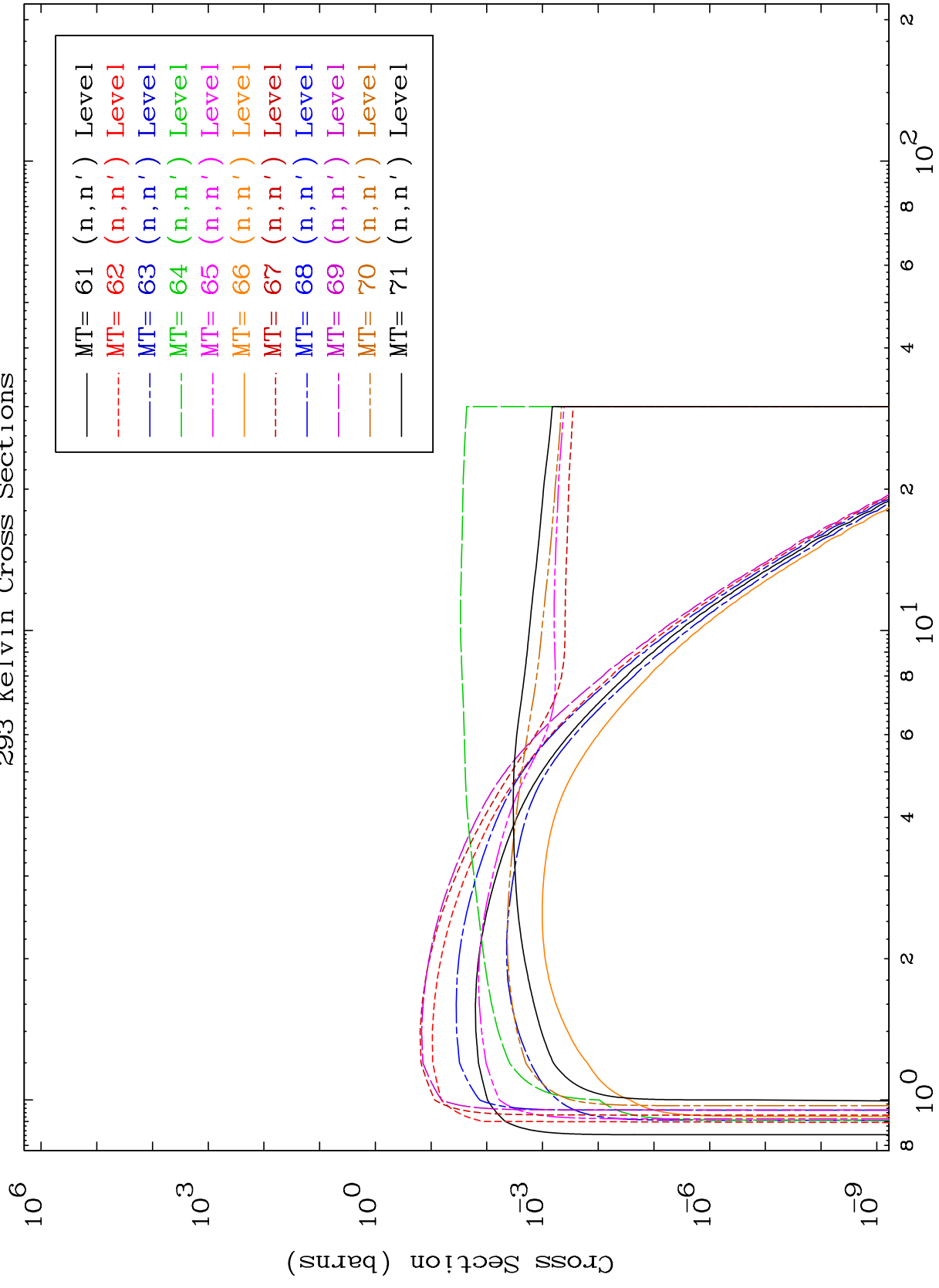
51-Sb-128

MAT 5146

(n,n') Level

51-Sb-128

293 Kelvin Cross Sections



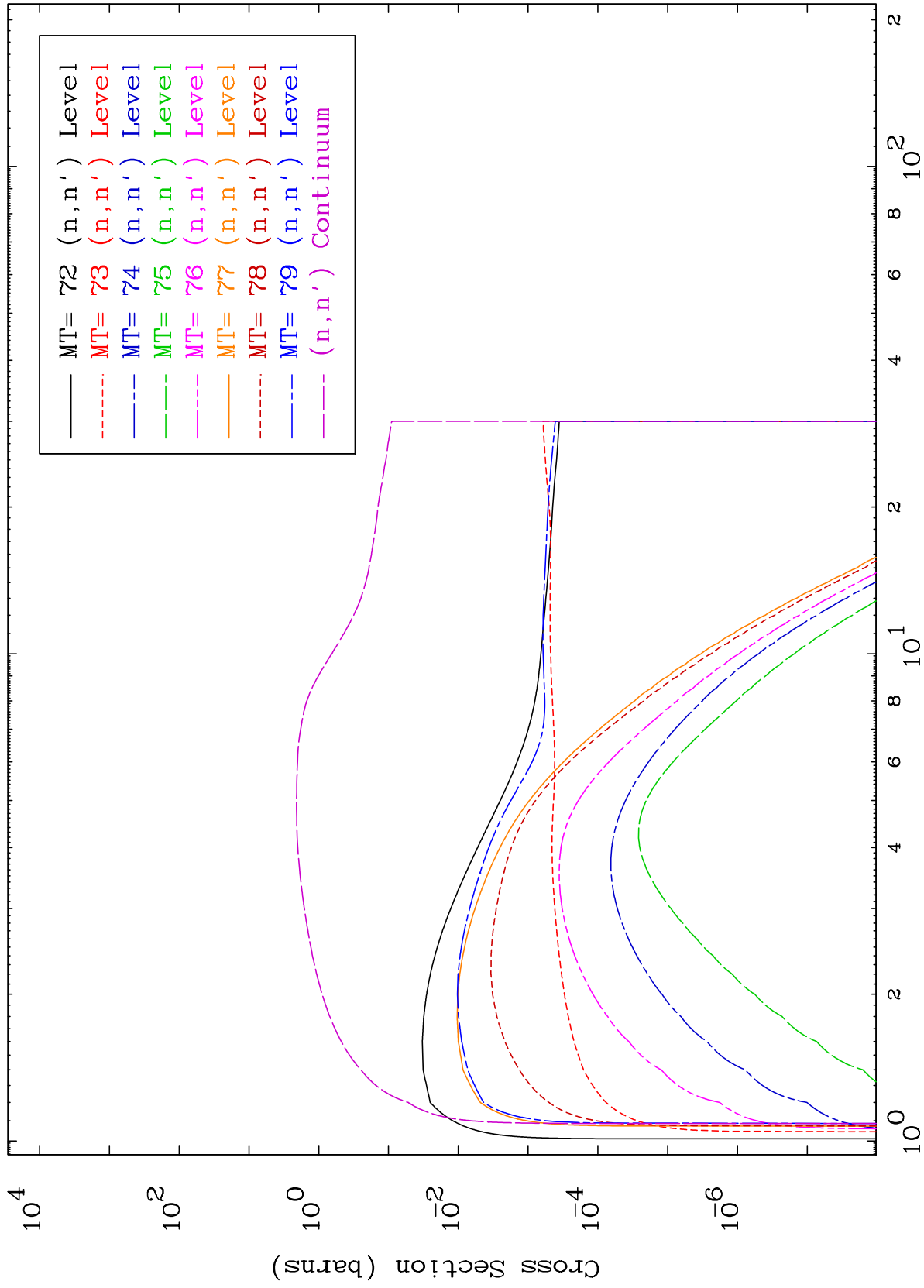
Incident Energy (MeV)

51-Sb-128

MAT 5146

(n,n') Level
293 Kelvin Cross Sections

51-Sb-128



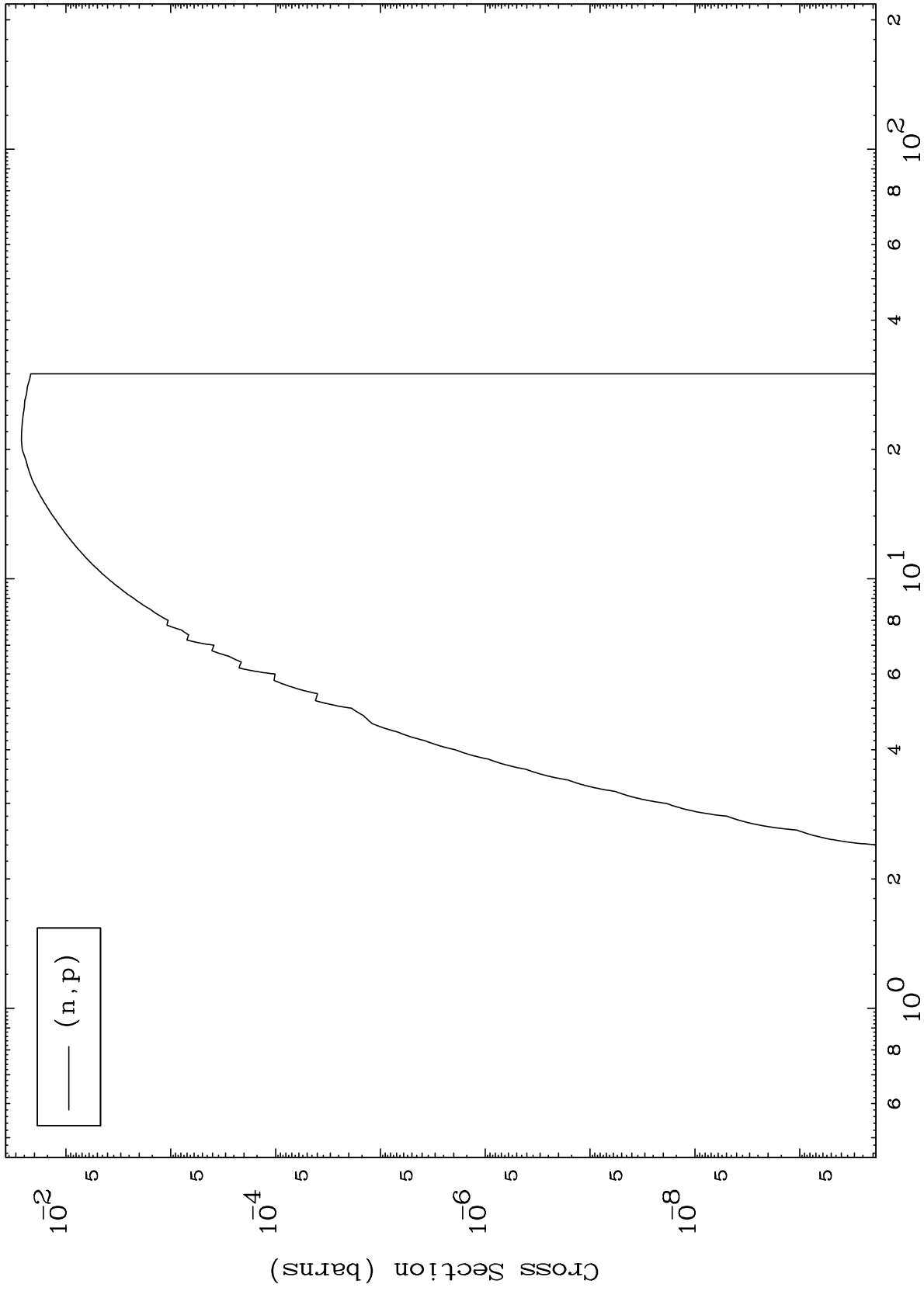
Incident Energy (MeV)

51-Sb-128

MAT 5146

(n,p) Levels
293 Kelvin Cross Sections

51-Sb-128



10

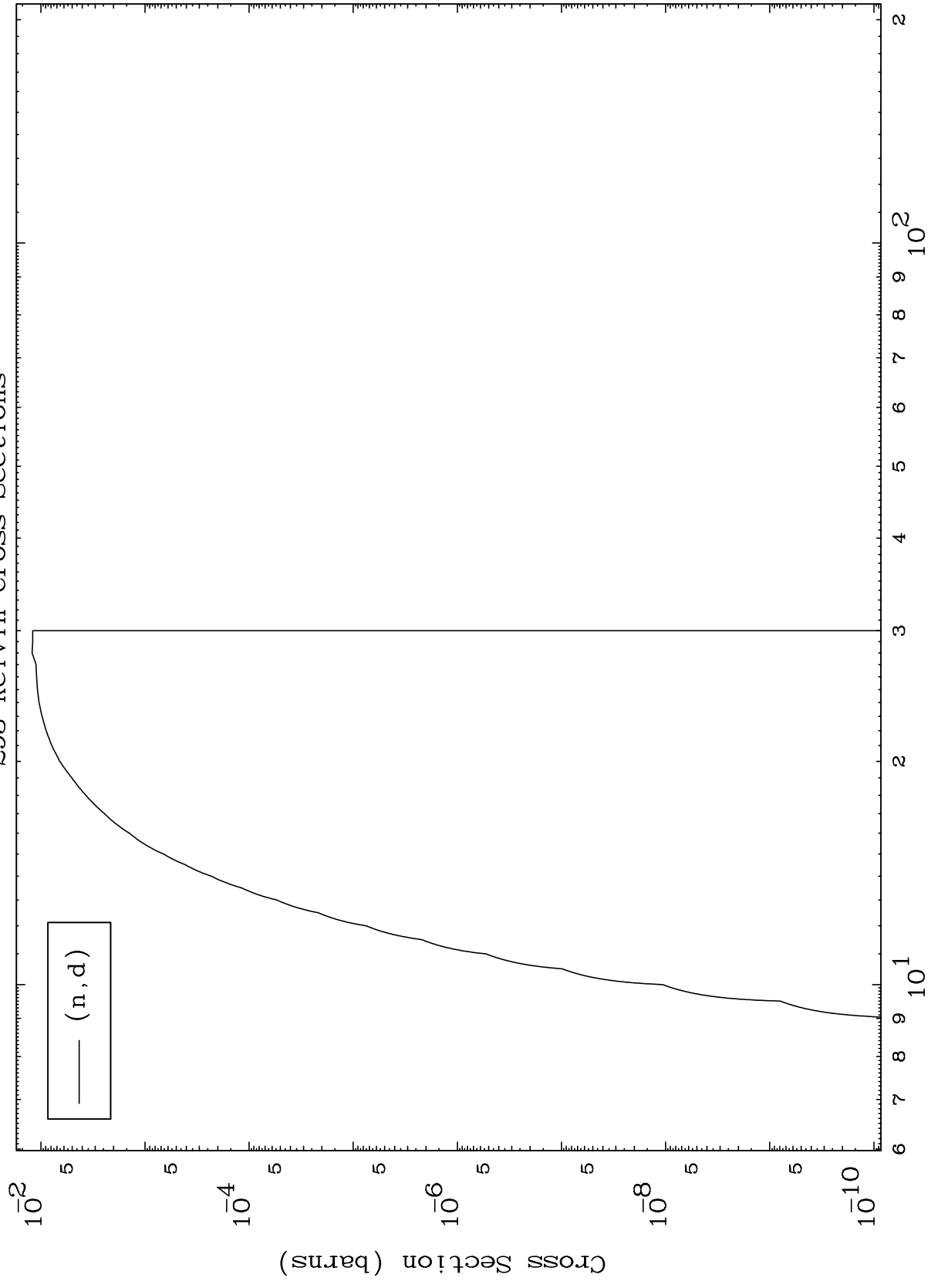
Incident Energy (MeV)

51-Sb-128

MAT 5146

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-128



11

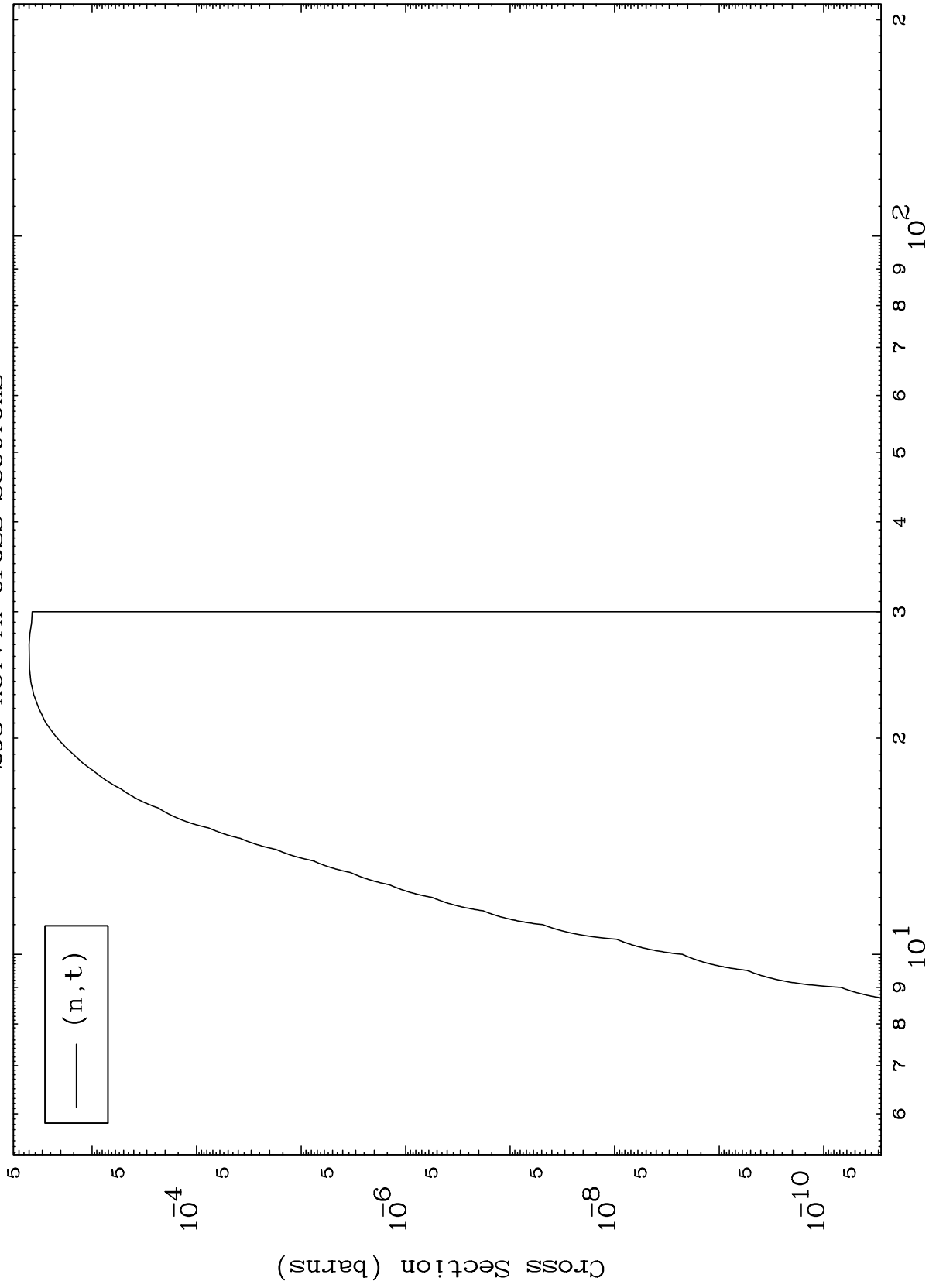
Incident Energy (MeV)

51-Sb-128

MAT 5146

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-128



12

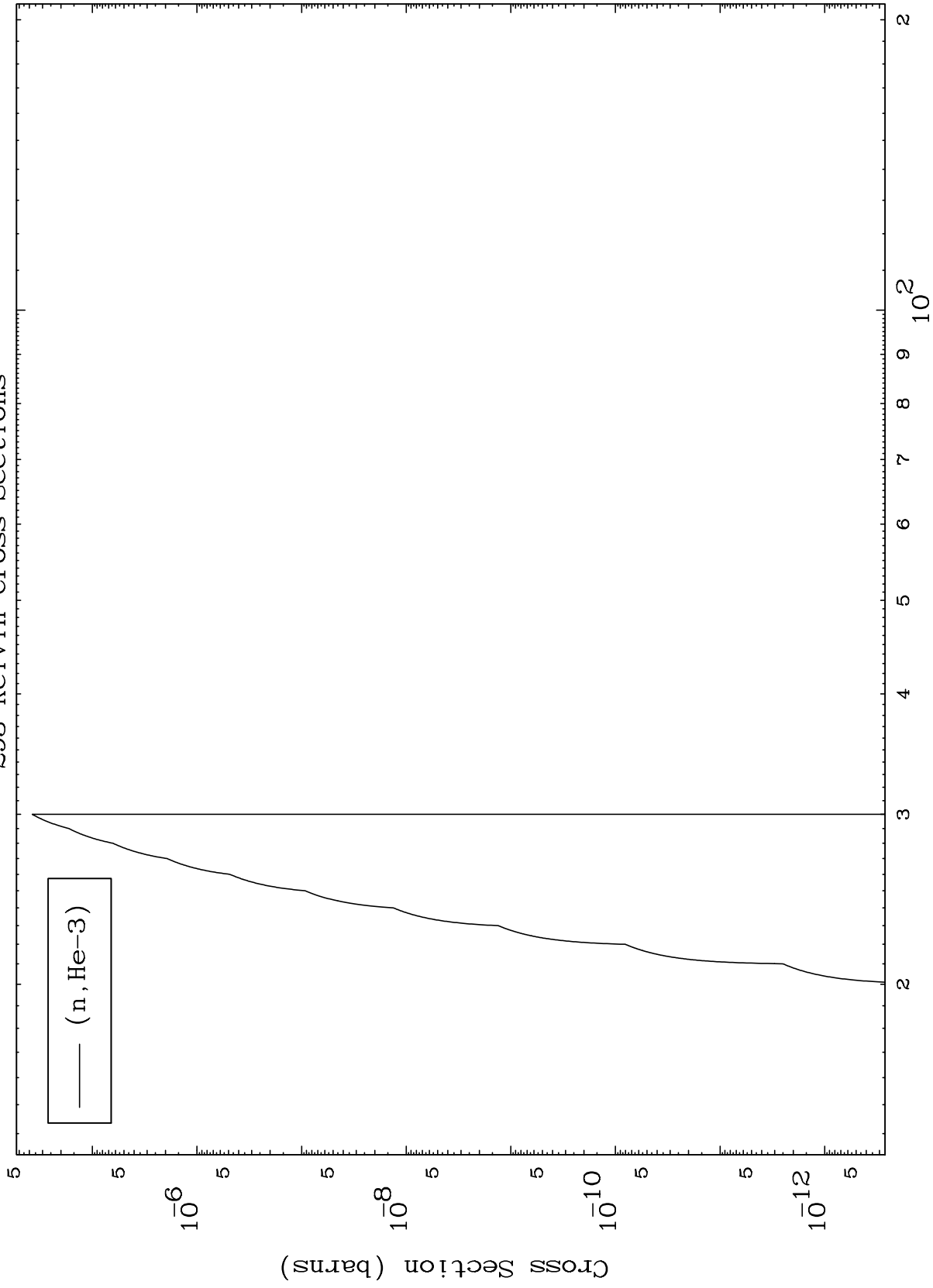
Incident Energy (MeV)

51-Sb-128

MAT 5146

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-128



13

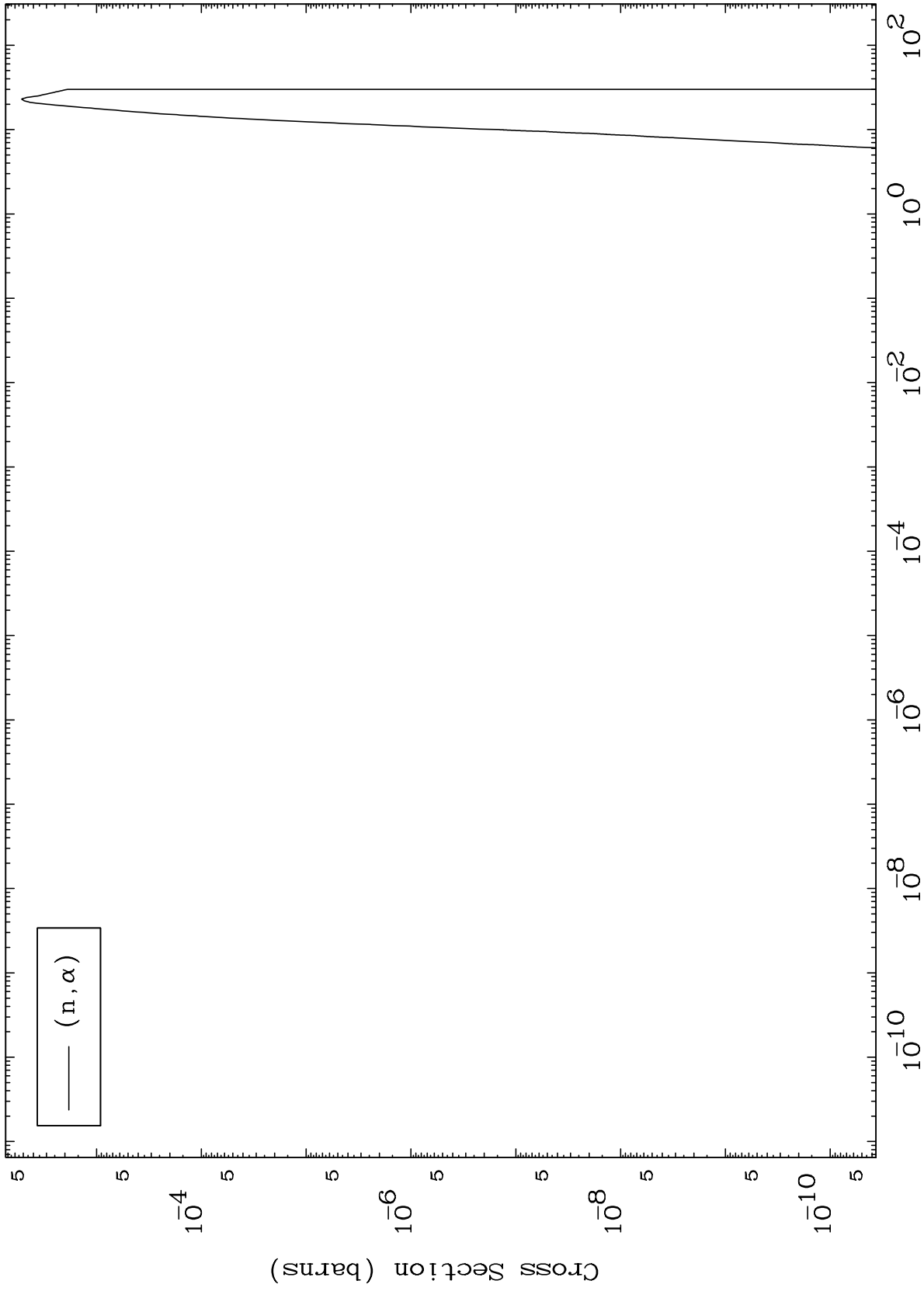
Incident Energy (MeV)

51-Sb-128

MAT 5146

(n,α) Levels
293 Kelvin Cross Sections

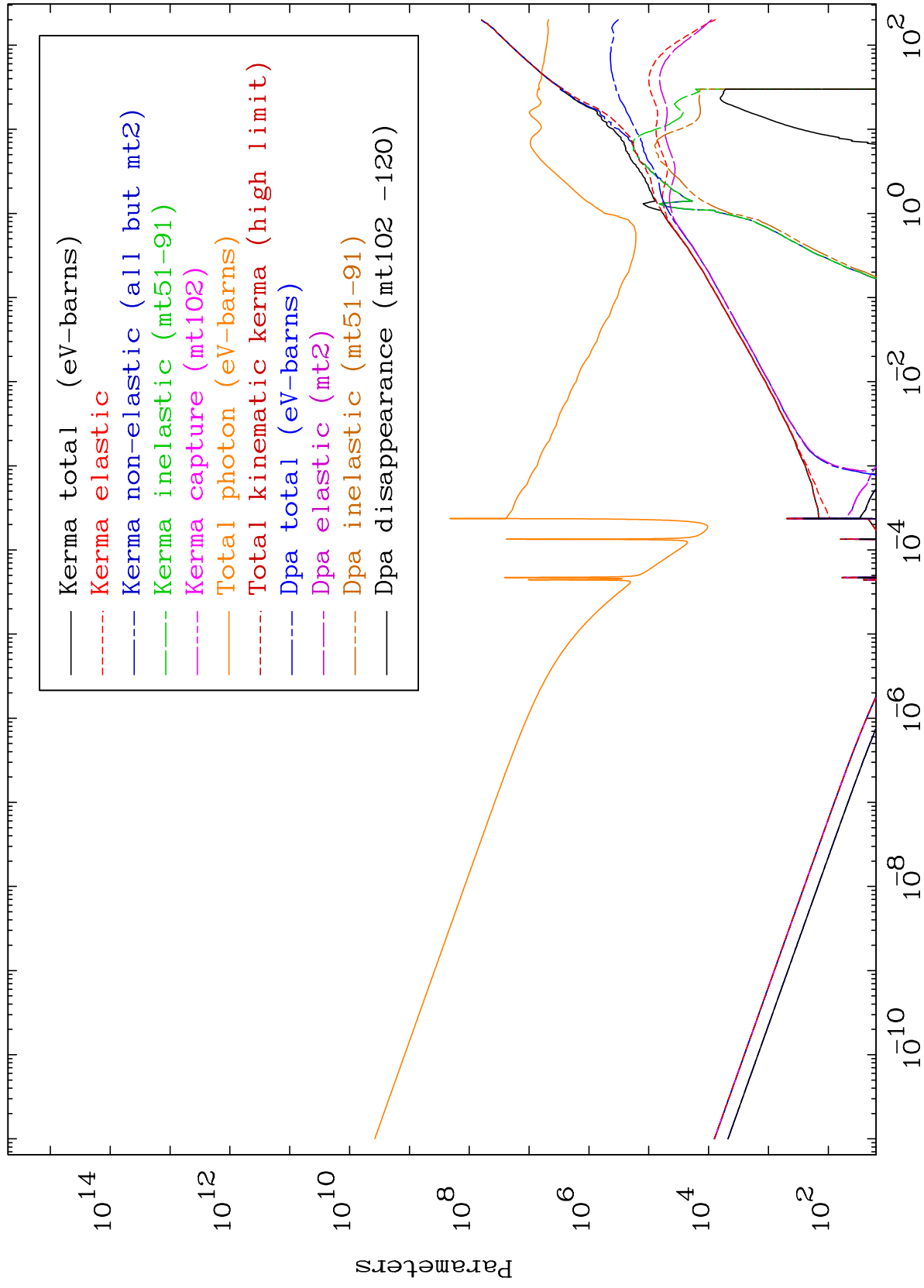
51-Sb-128



14

Incident Energy (MeV)

51-Sb-128



MAT 5146

Elastic Legendre Coefficients

51-Sb-128



16

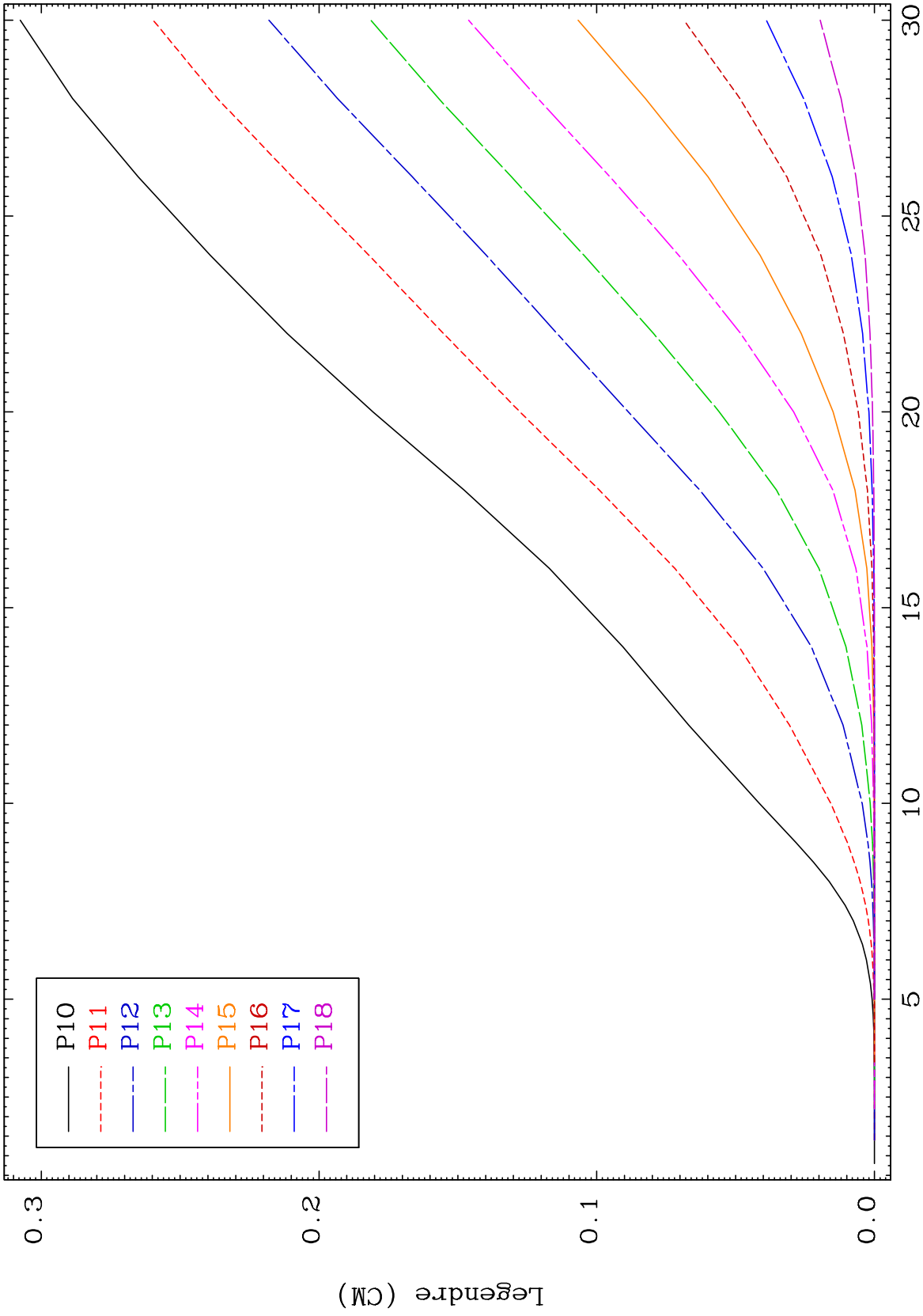
Incident Energy (MeV)

51-Sb-128

MAT 5146

Elastic Legendre Coefficients

51-Sb-128



17

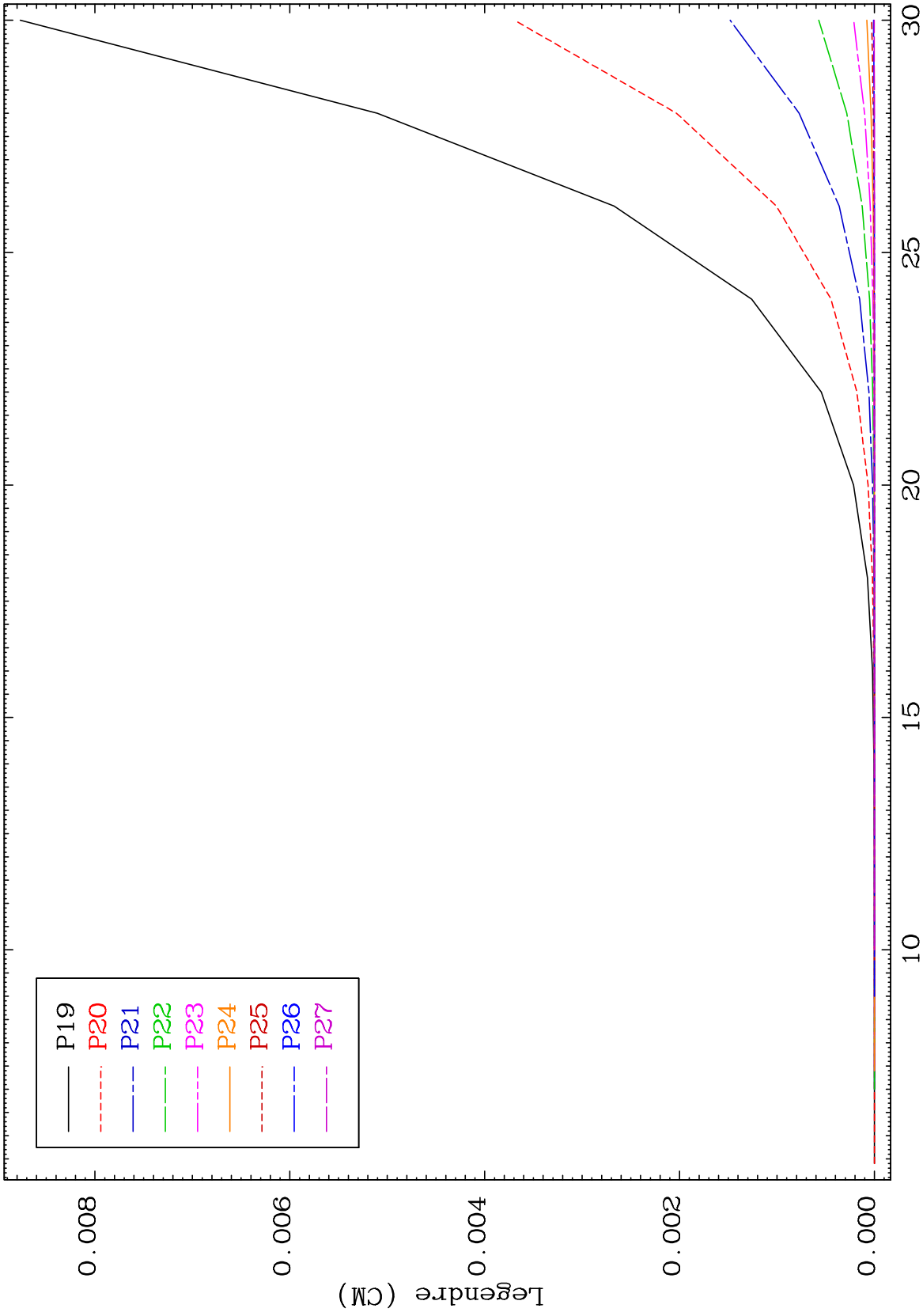
Incident Energy (MeV)

51-Sb-128

MAT 5146

Elastic Legendre Coefficients

51-Sb-128



18

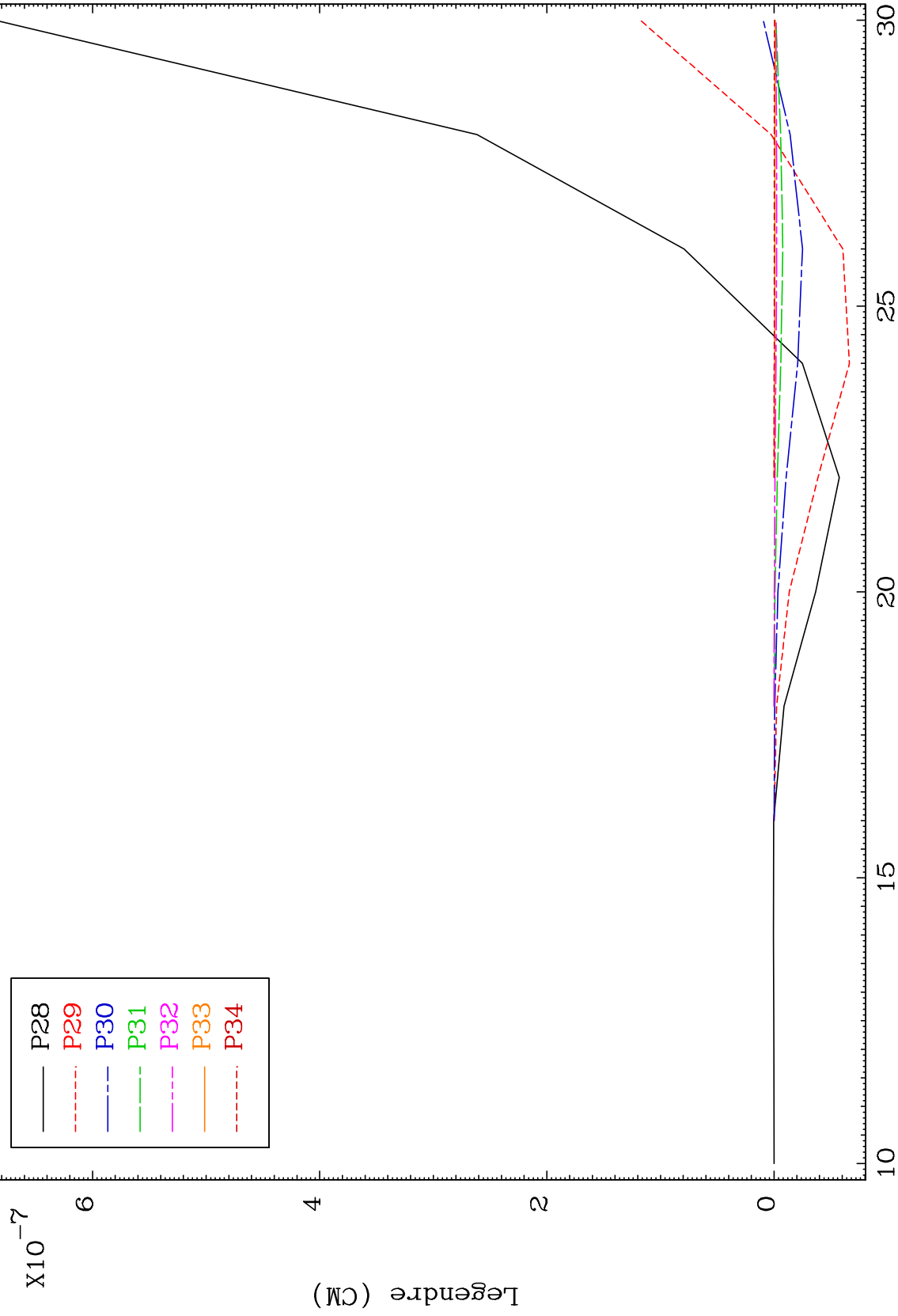
Incident Energy (MeV)

51-Sb-128

MAT 5146

Elastic Legendre Coefficients

51-Sb-128



19

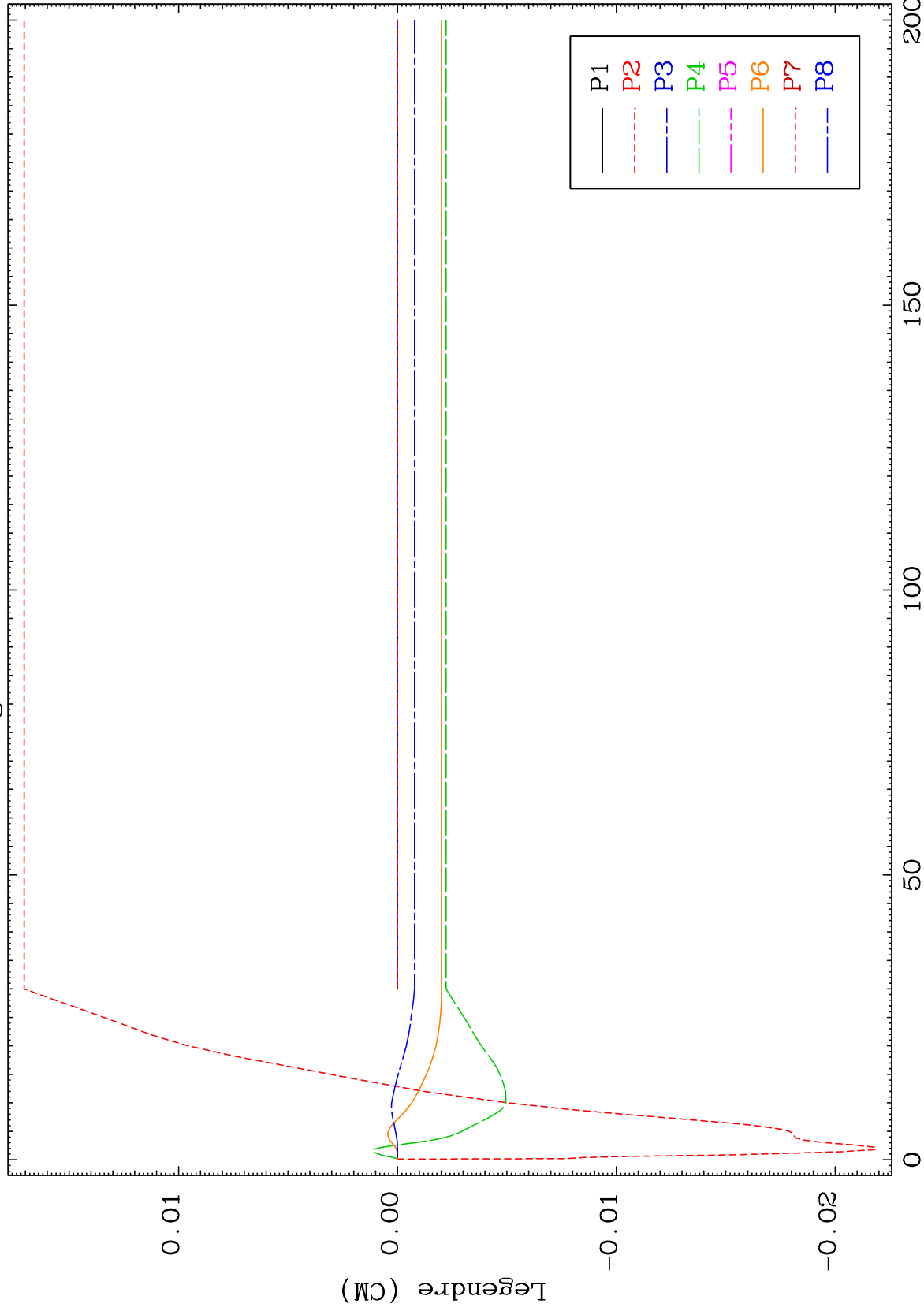
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



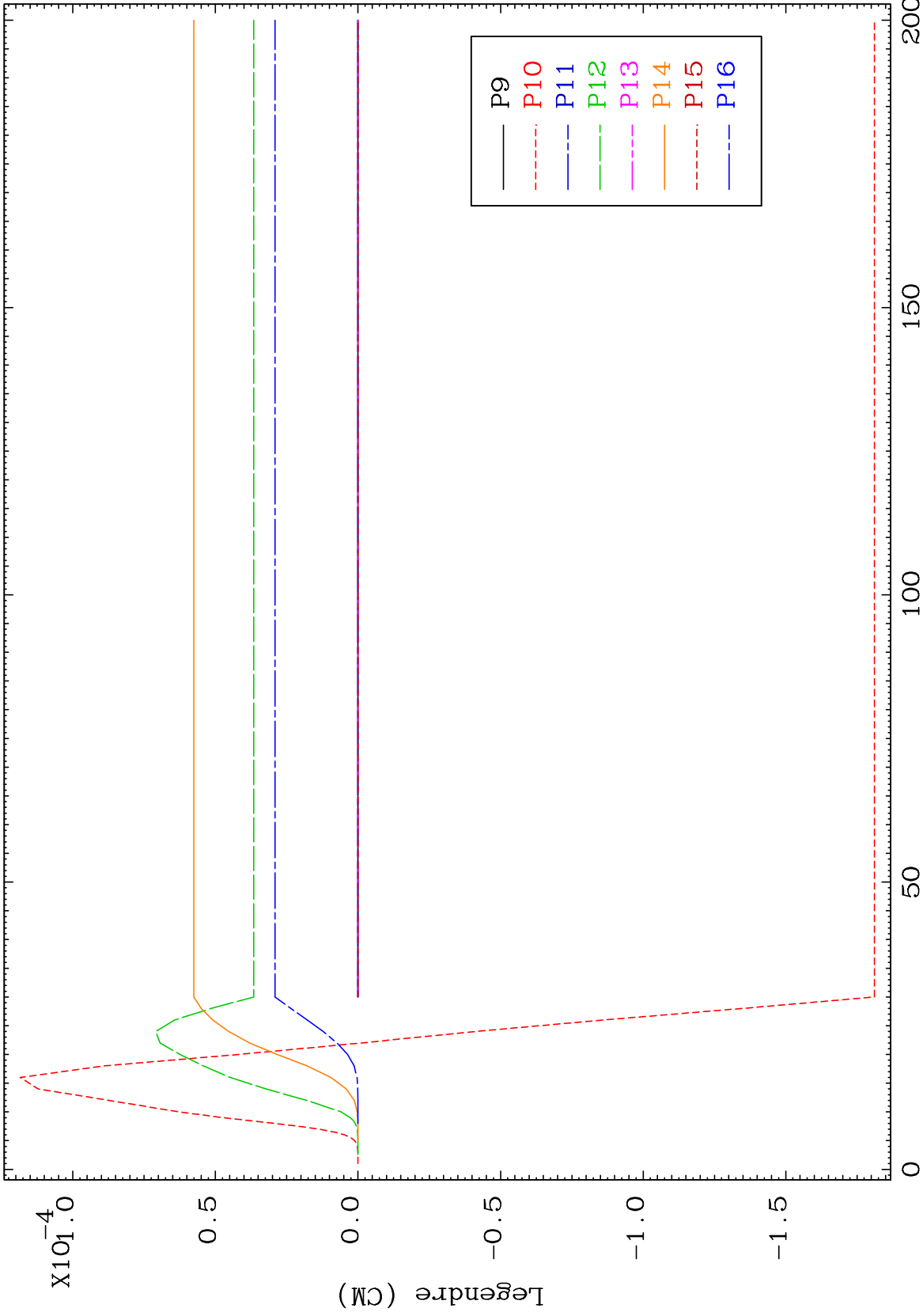
51-Sb-128

Incident Energy (MeV)

MAT 5146

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

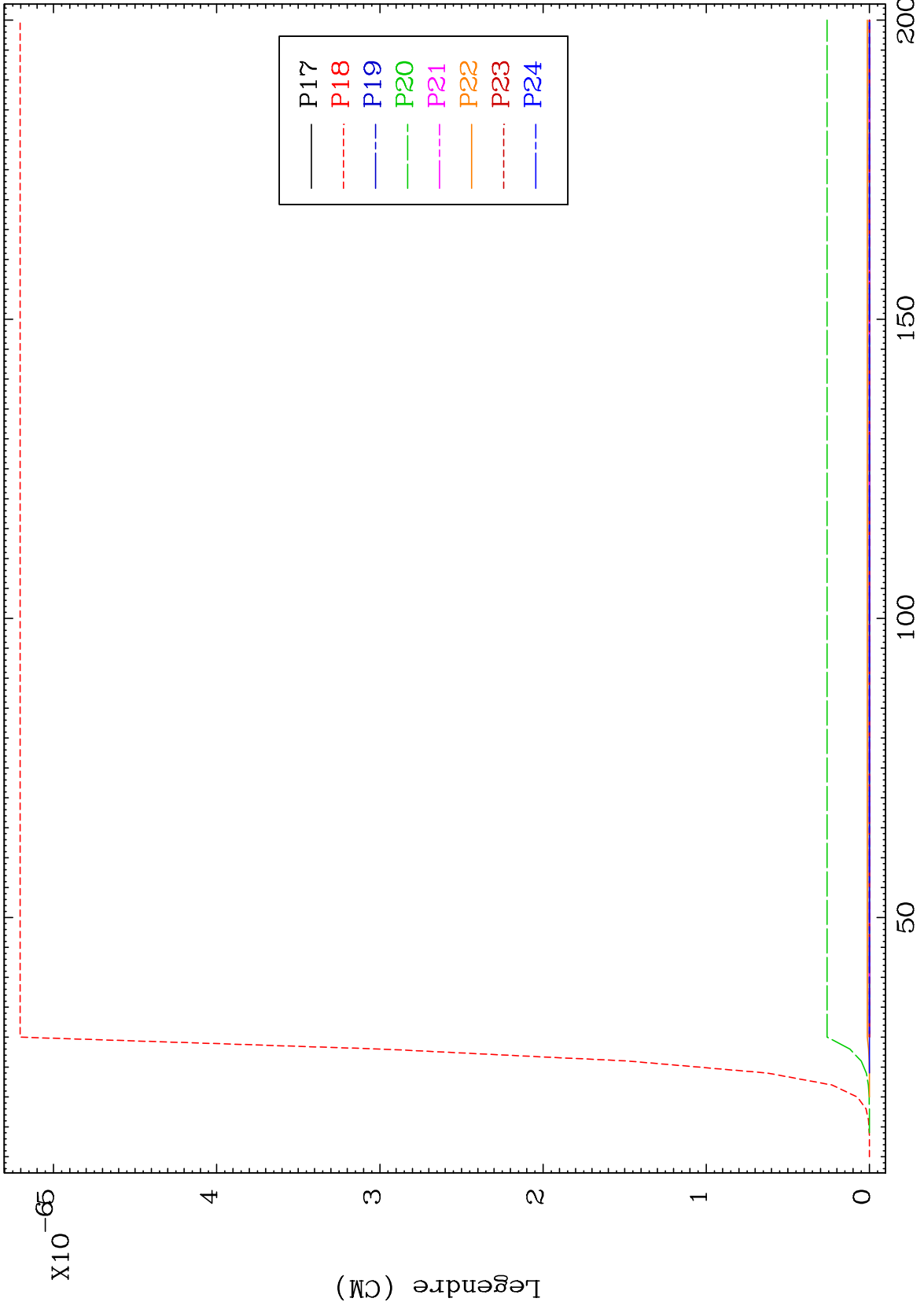
51-Sb-128



21

51-Sb-128

MAT 5146 MT= 51 (n,n') Level Legendre Coefficients 51-Sb-128

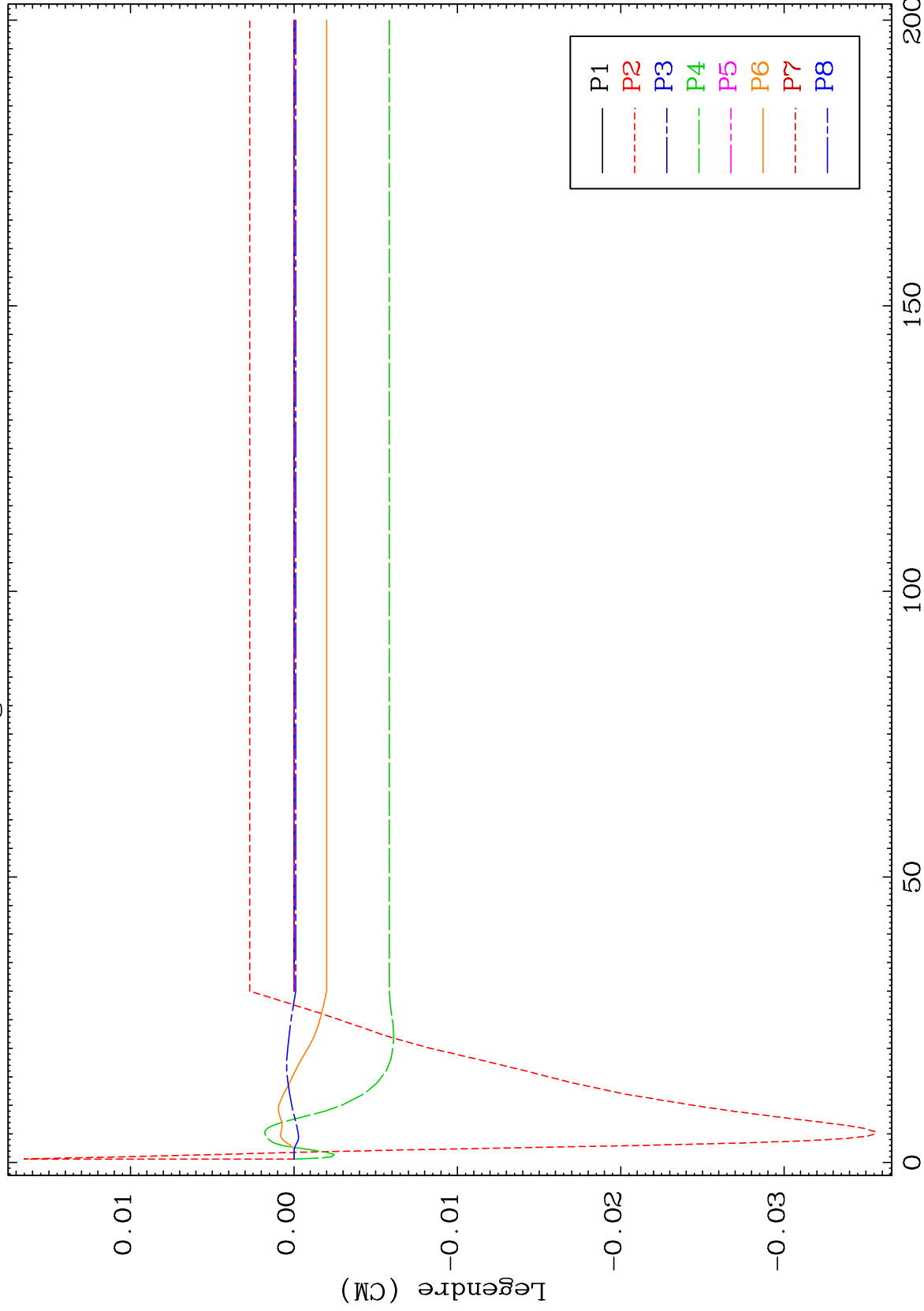


22 51-Sb-128

MAT 5146

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

51-Sb-128



23

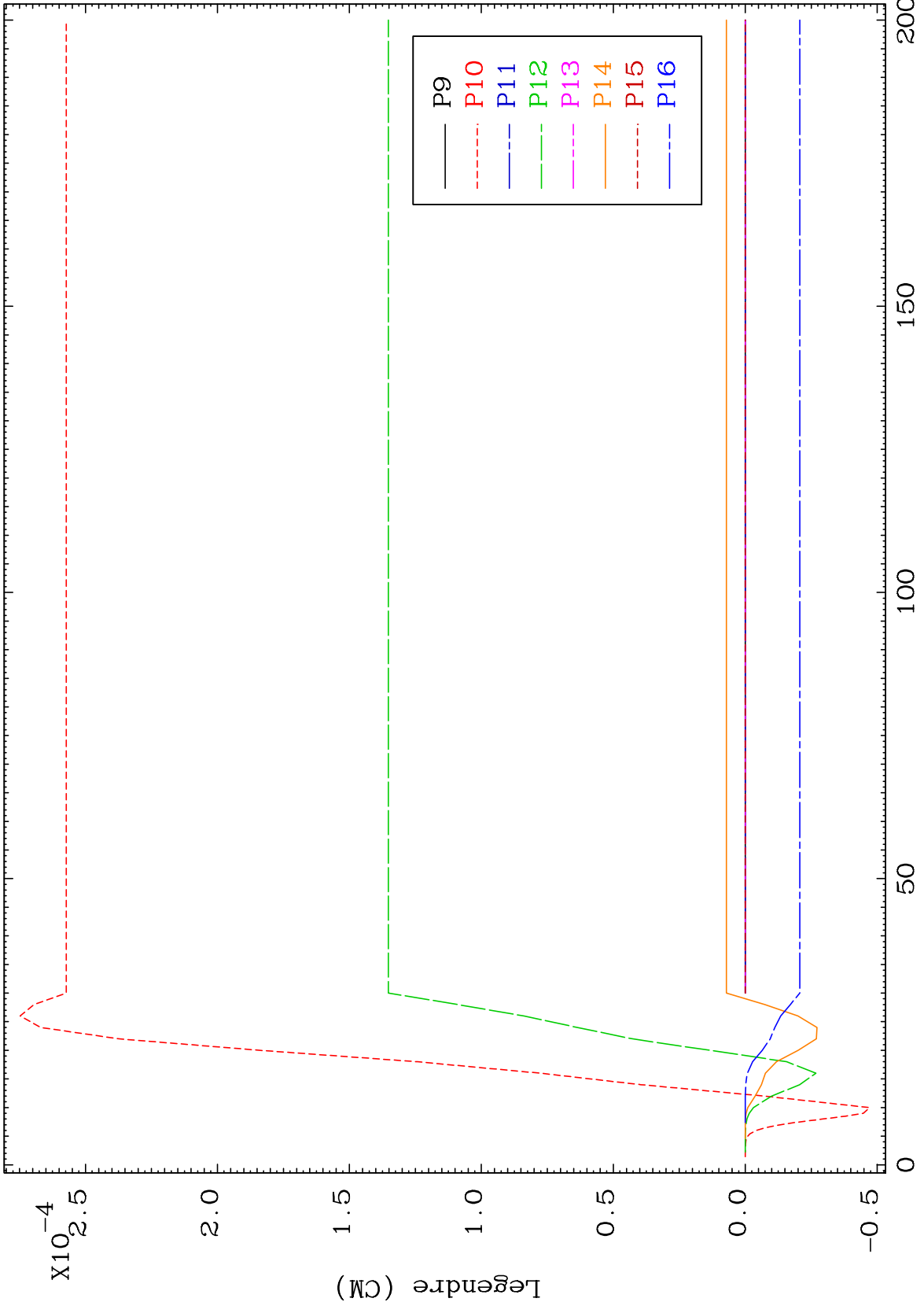
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128

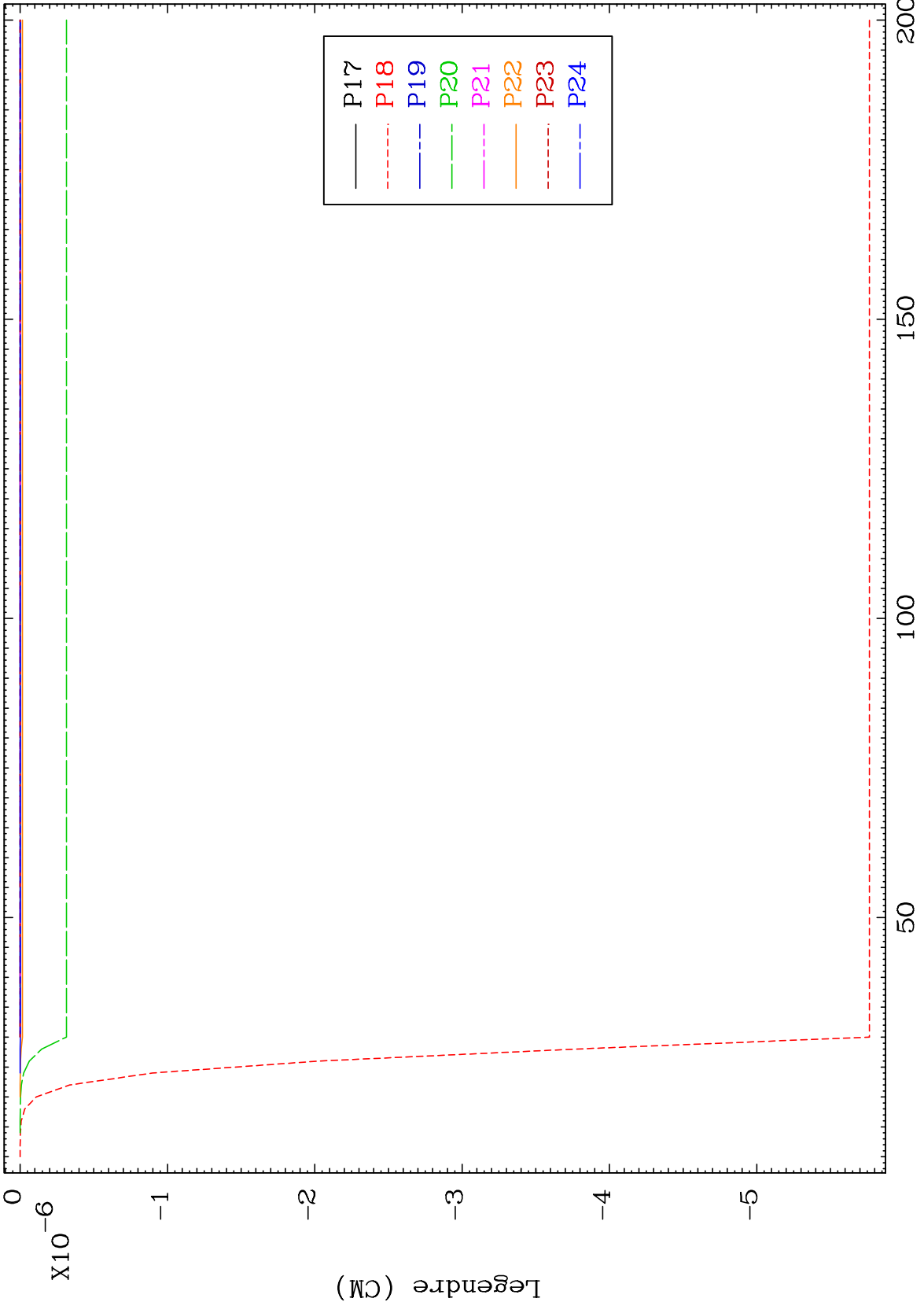


24

Incident Energy (MeV)

51-Sb-128

MAT 5146 MT= 52 (n,n') Level Legendre Coefficients 51-Sb-128

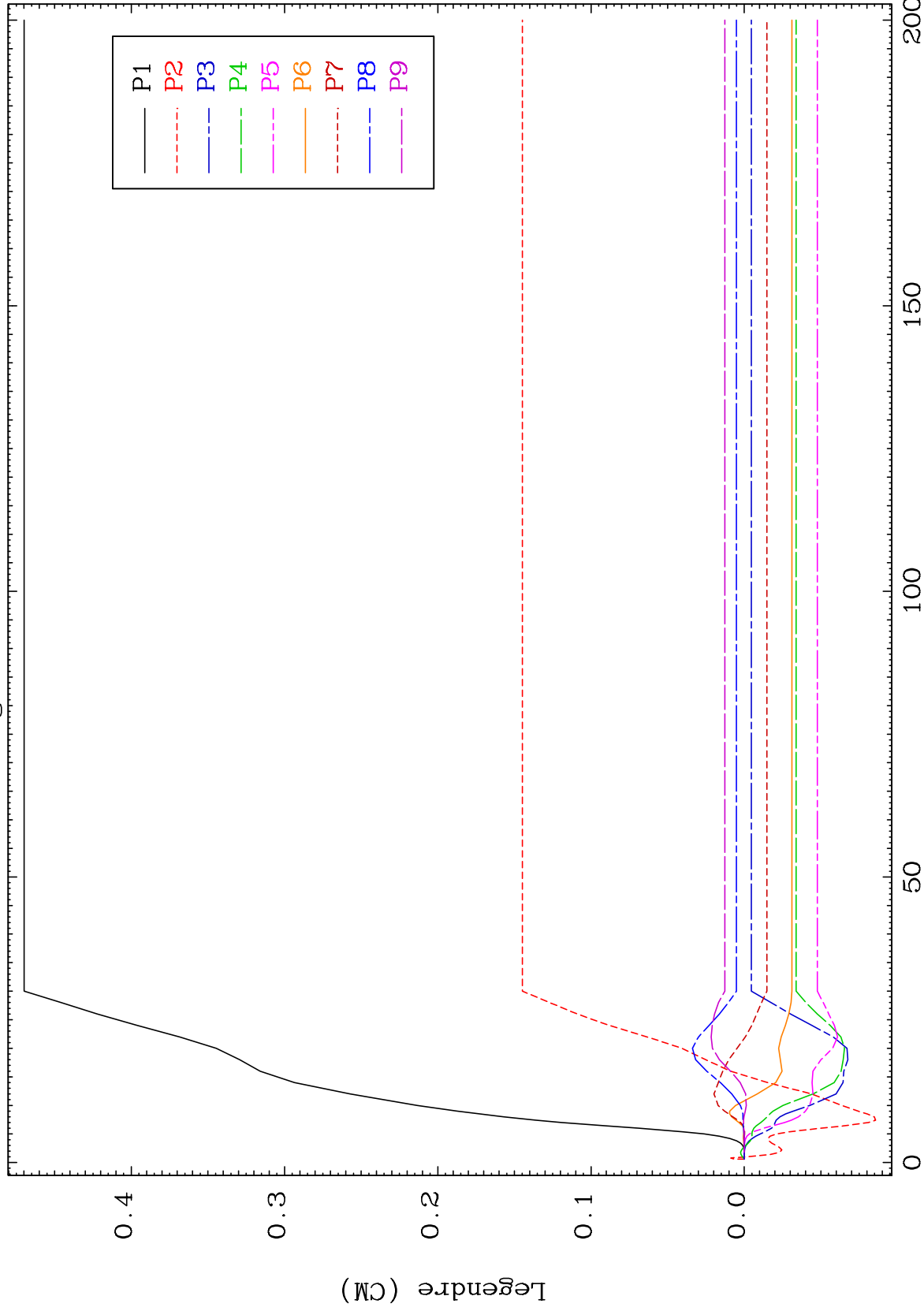


25 50 100 150 200 51-Sb-128

MAT 5146

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

51-Sb-128



26

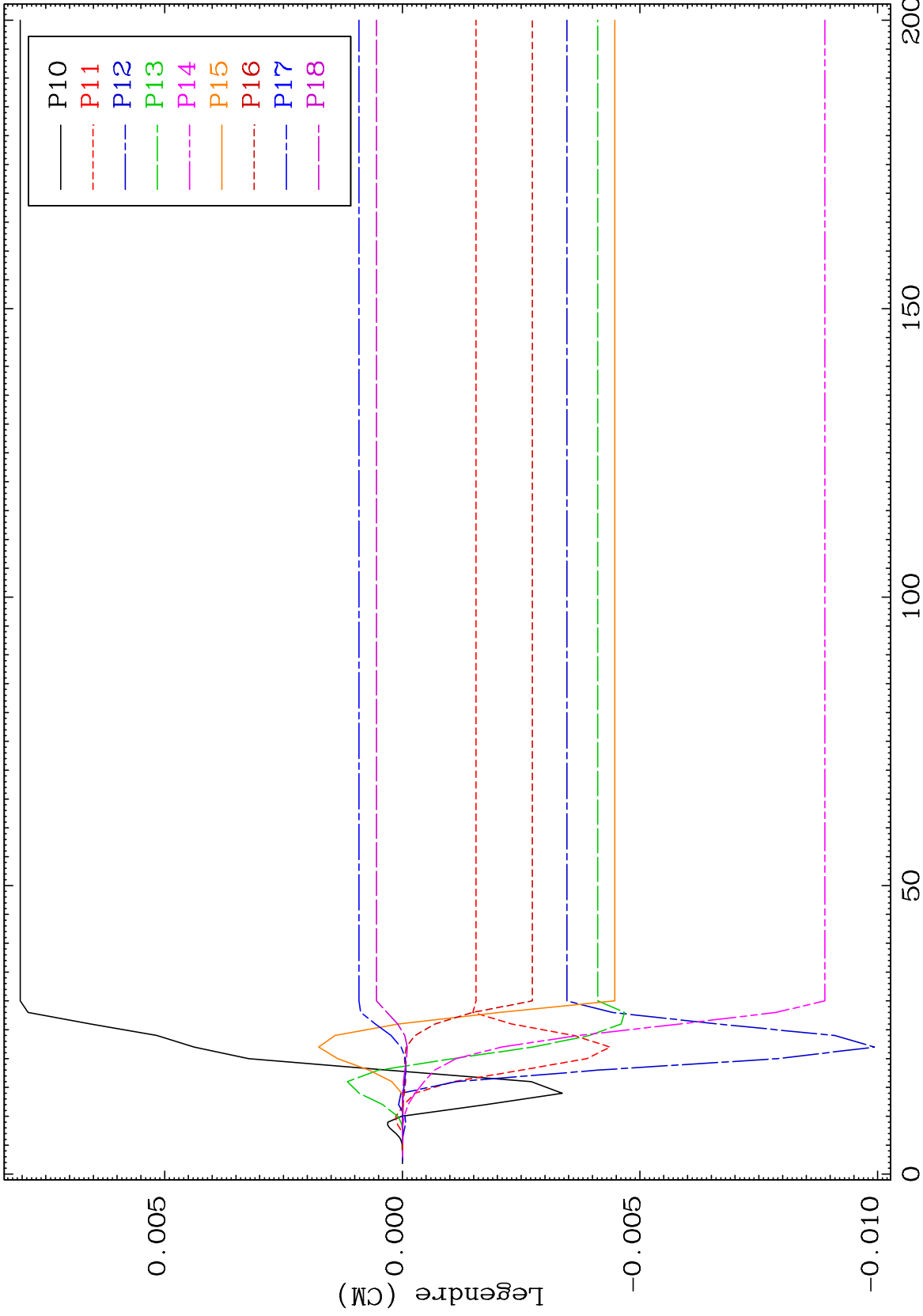
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



27

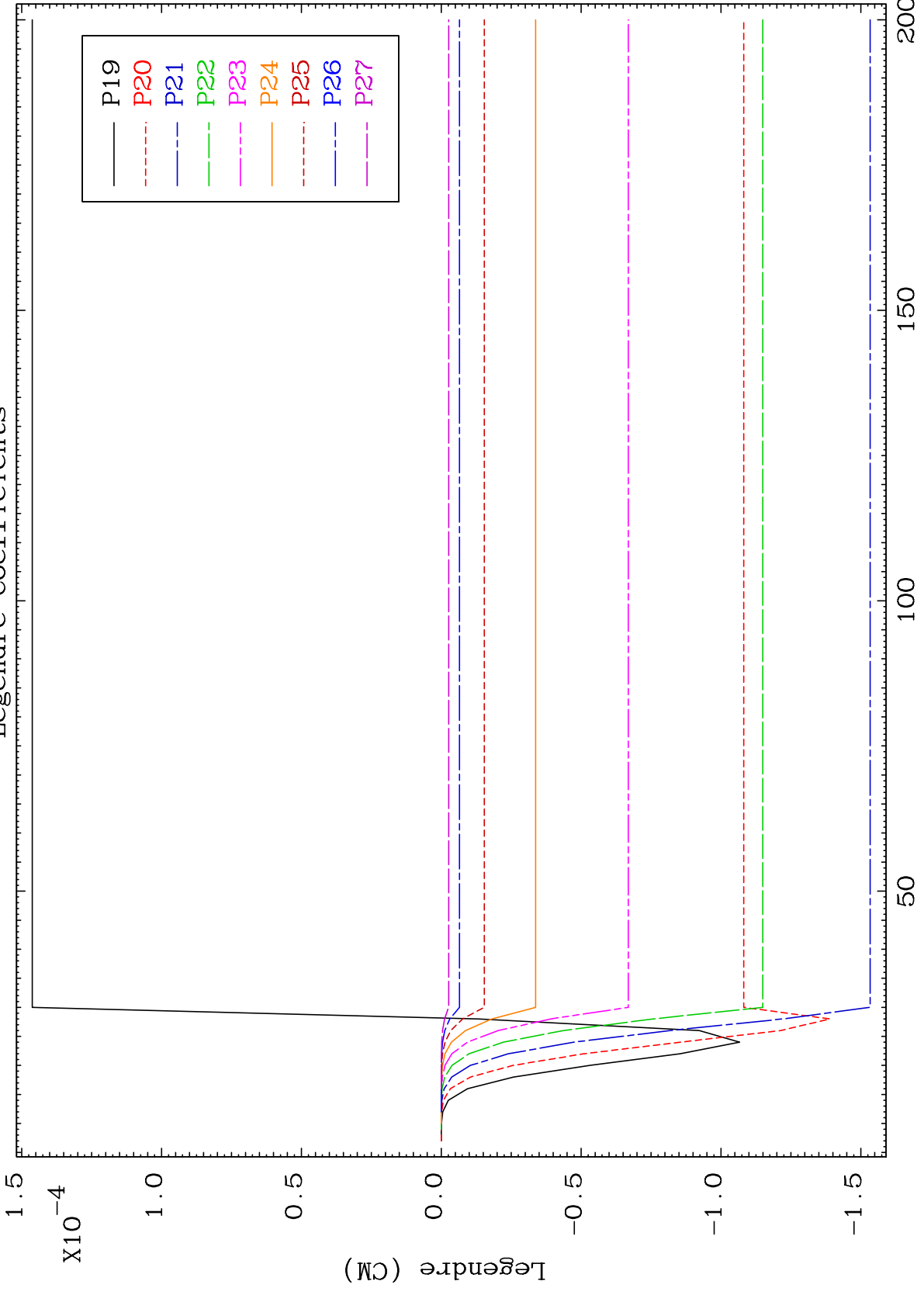
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



28

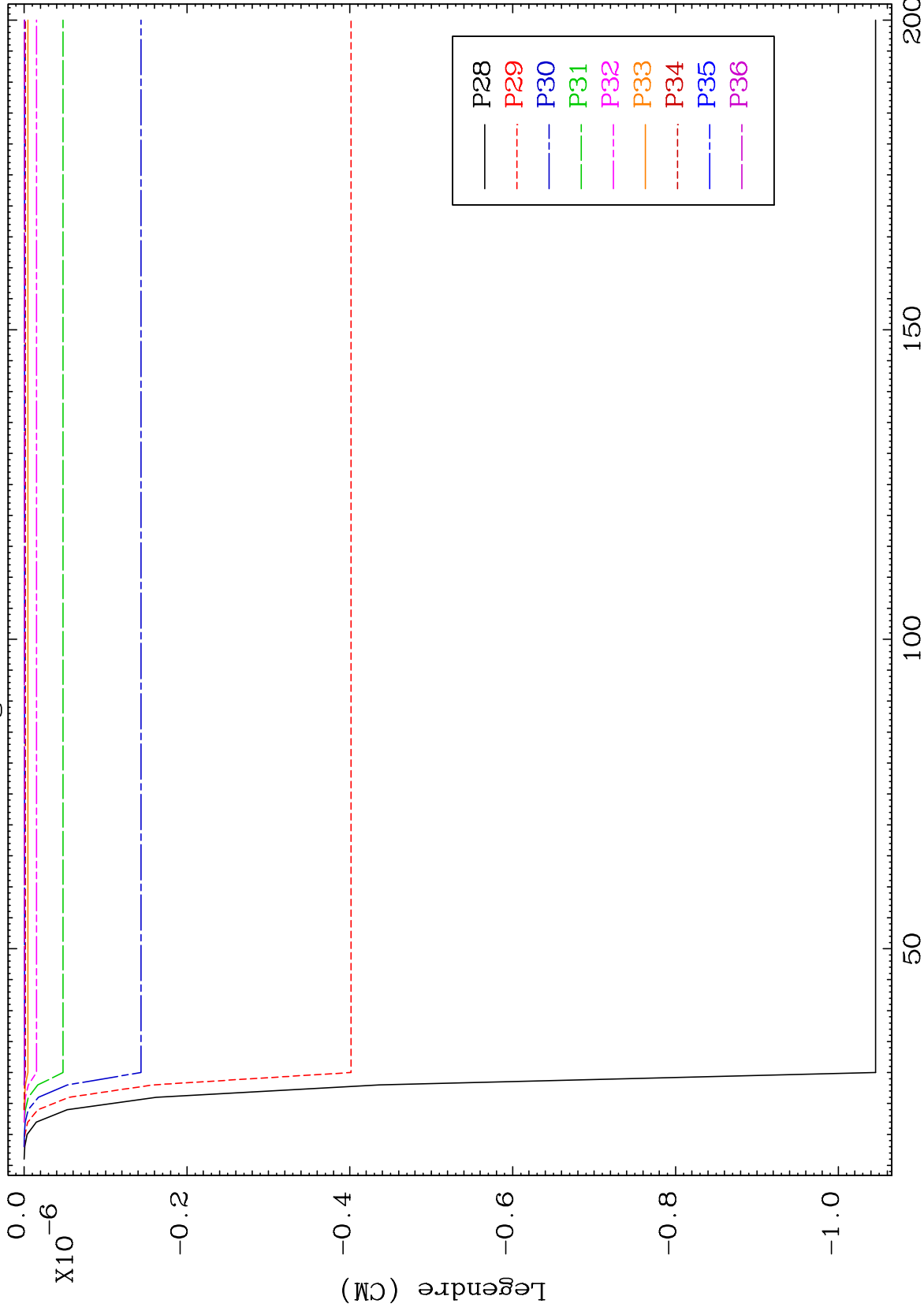
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



29

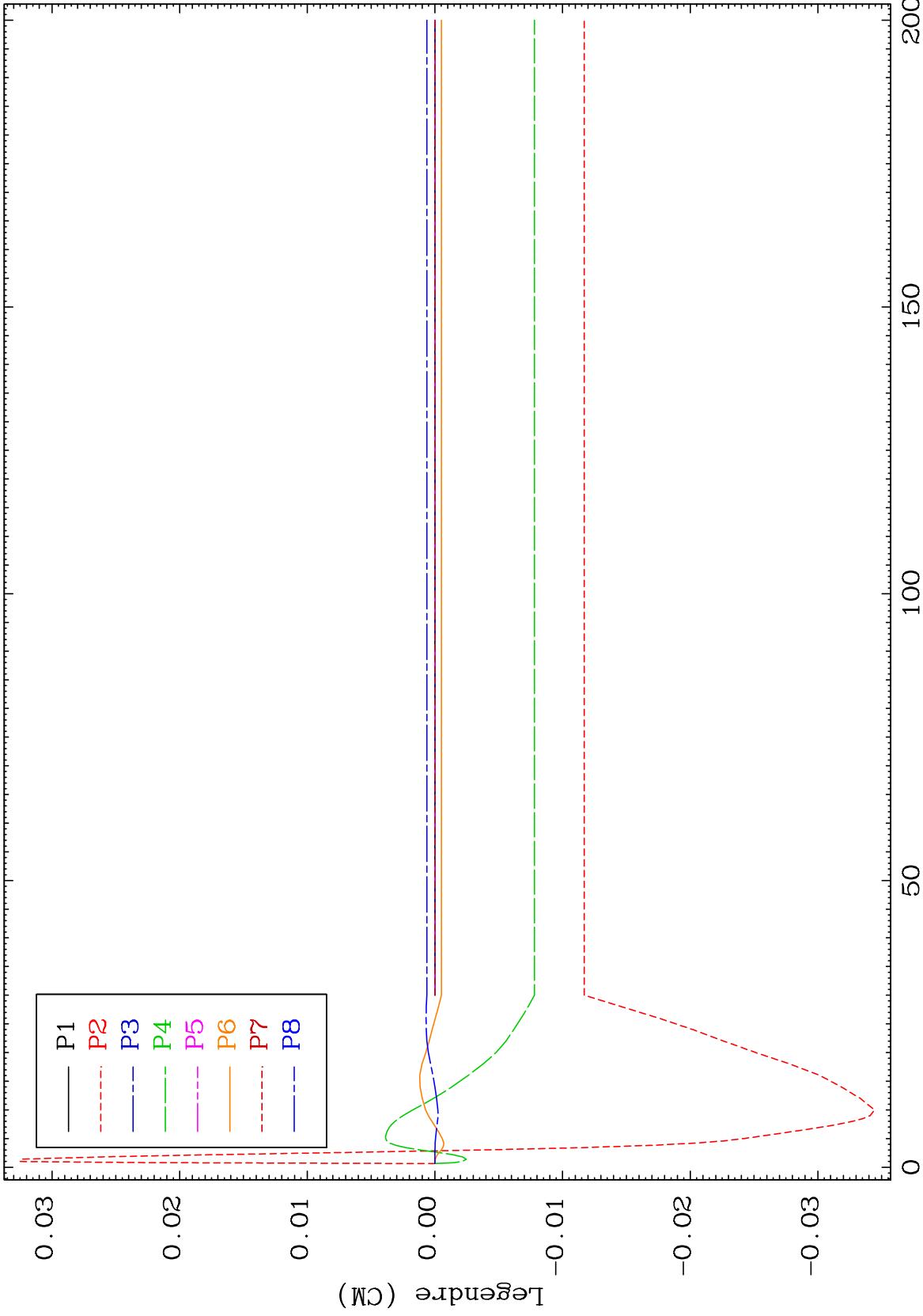
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128

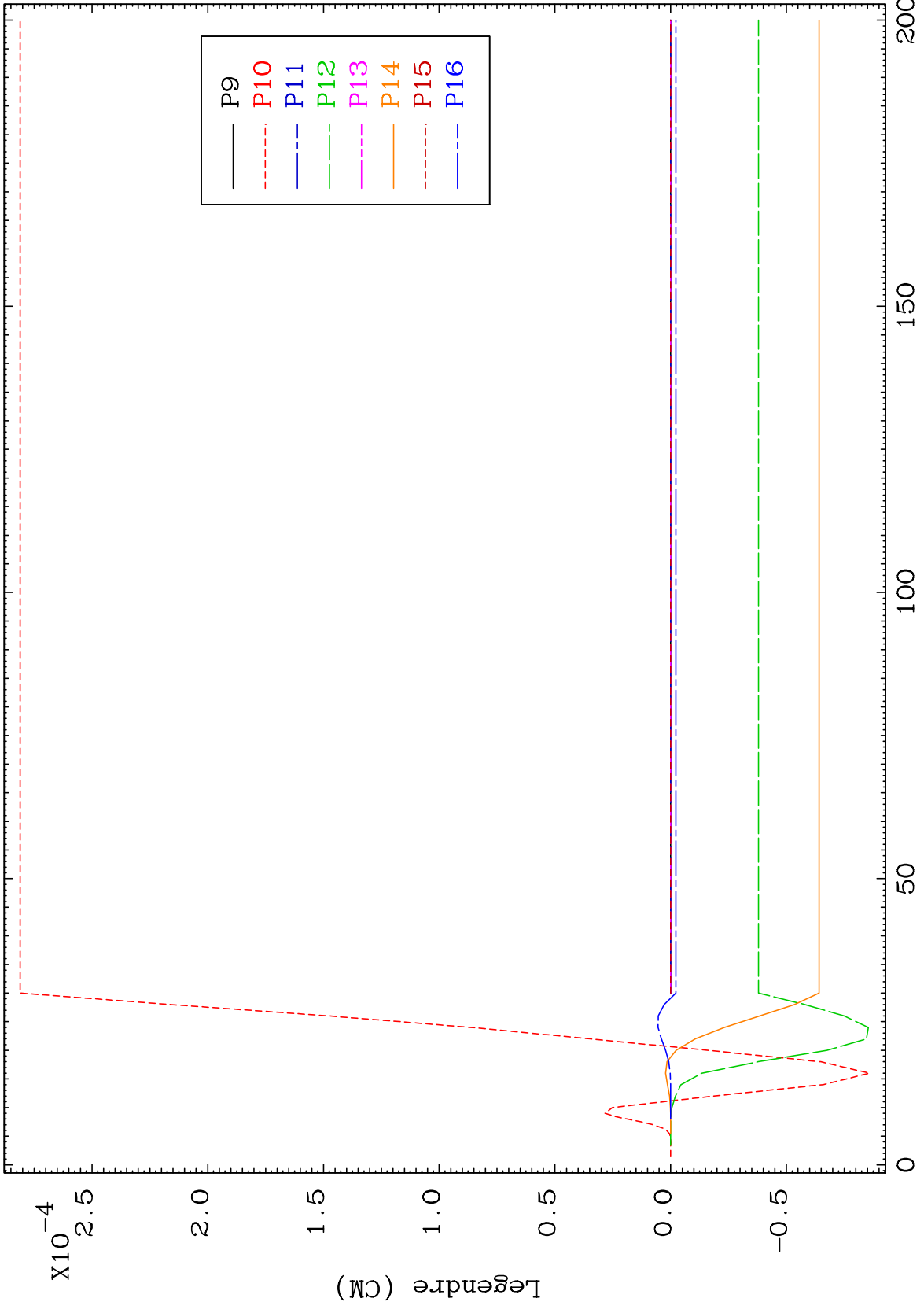


51-Sb-128

Incident Energy (MeV)

30

MAT 5146 MT= 54 (n,n') Level Legendre Coefficients 51-Sb-128

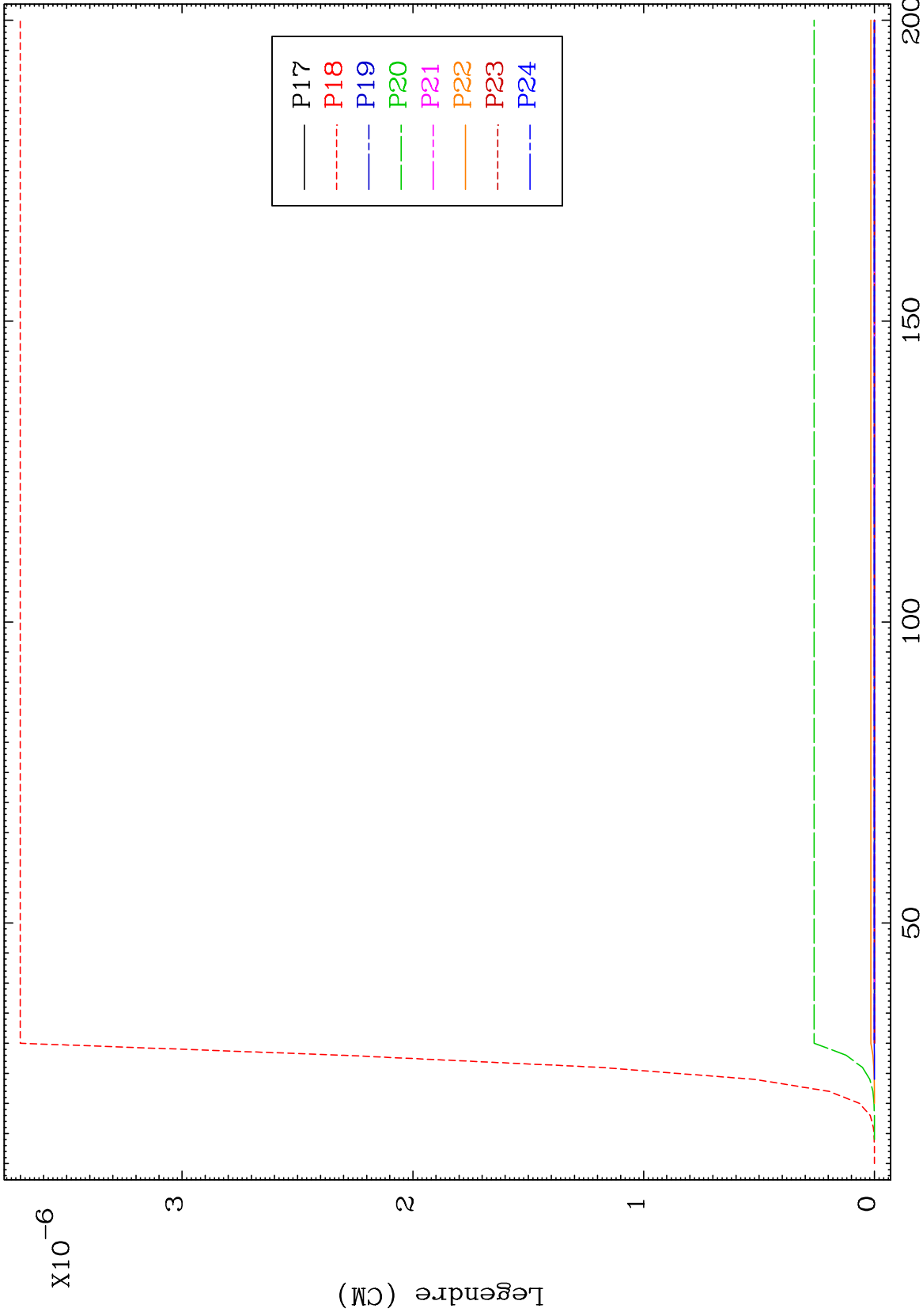


31 51-Sb-128

MAT 5146

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

51-Sb-128



32

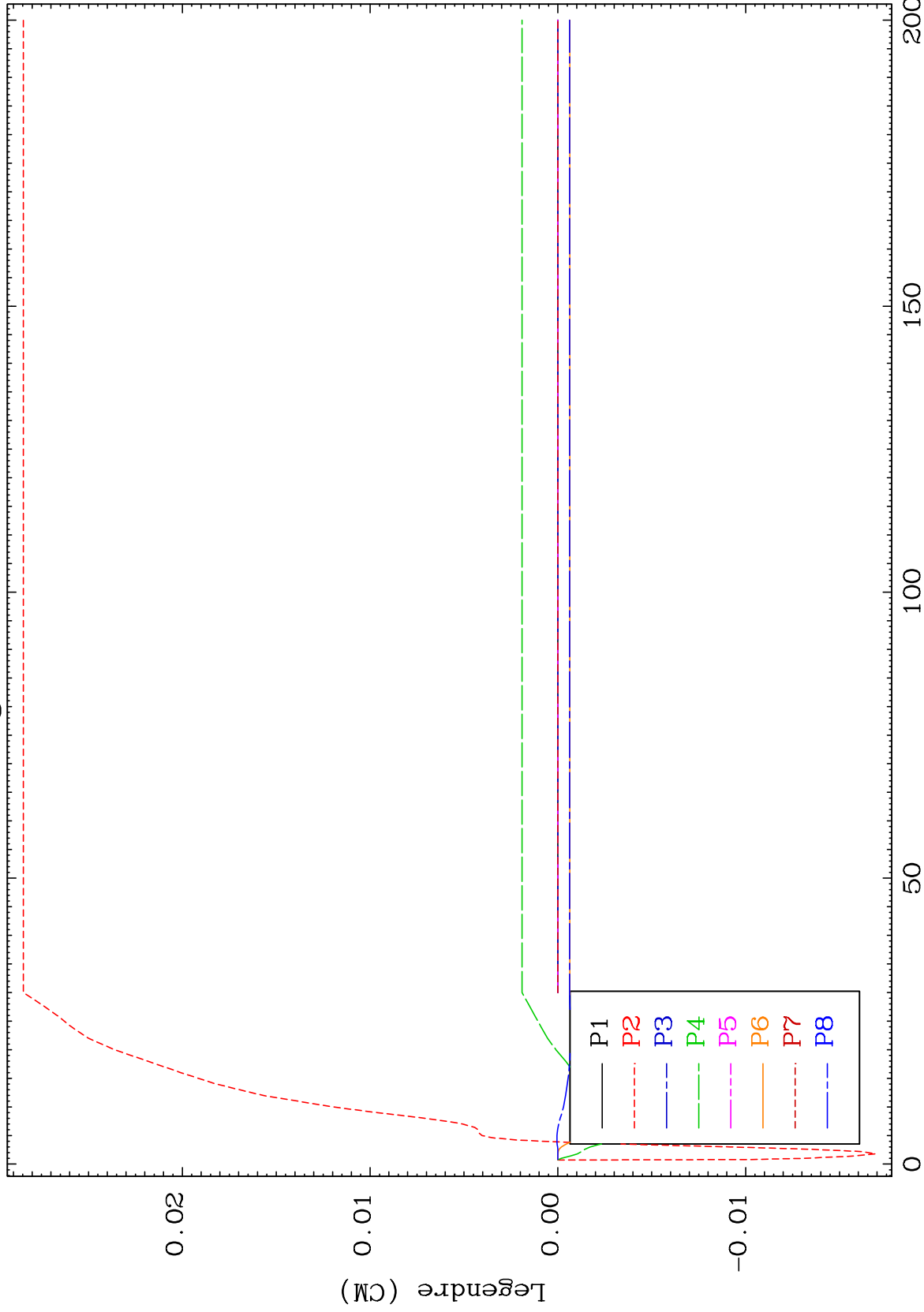
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



33

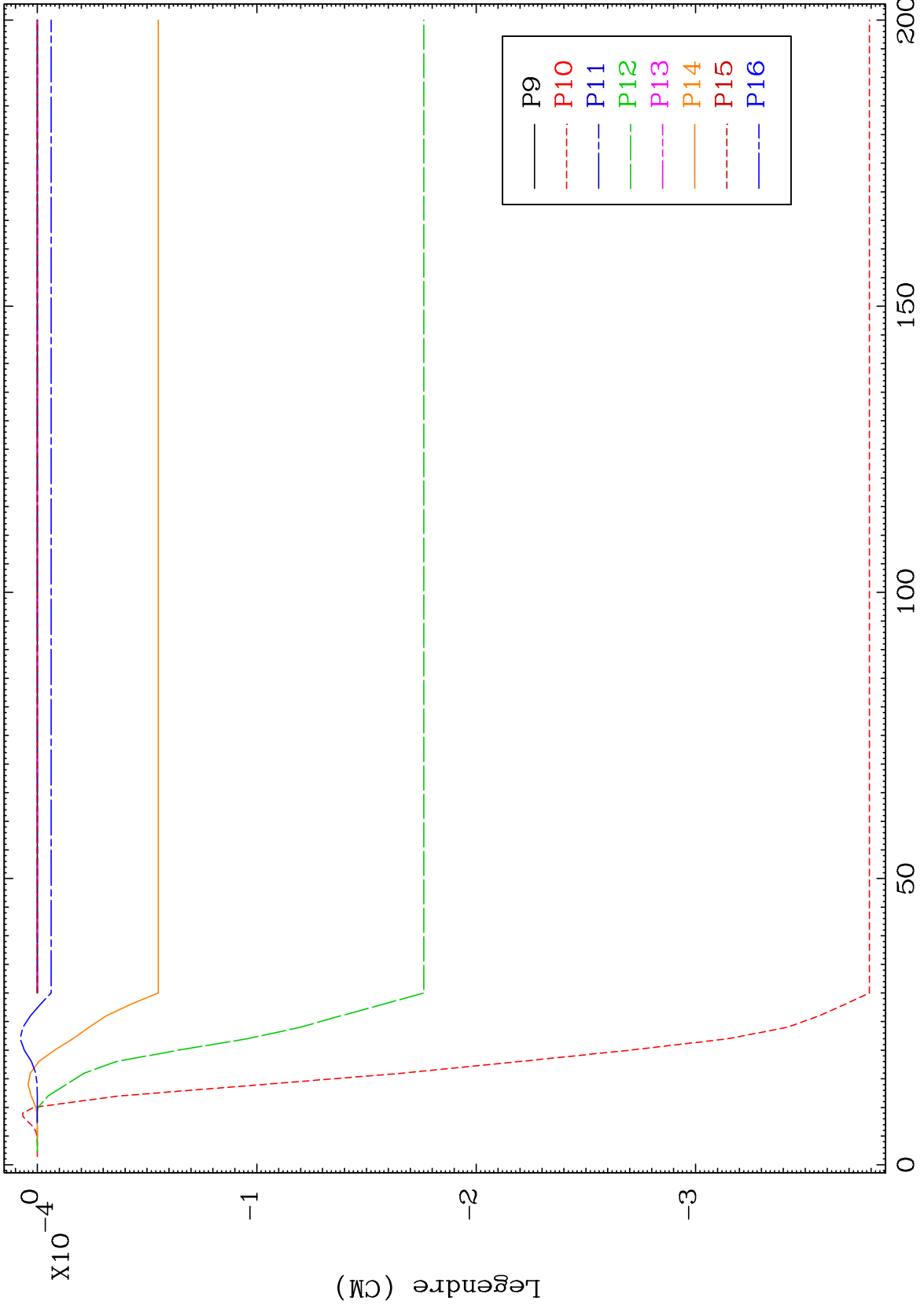
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128

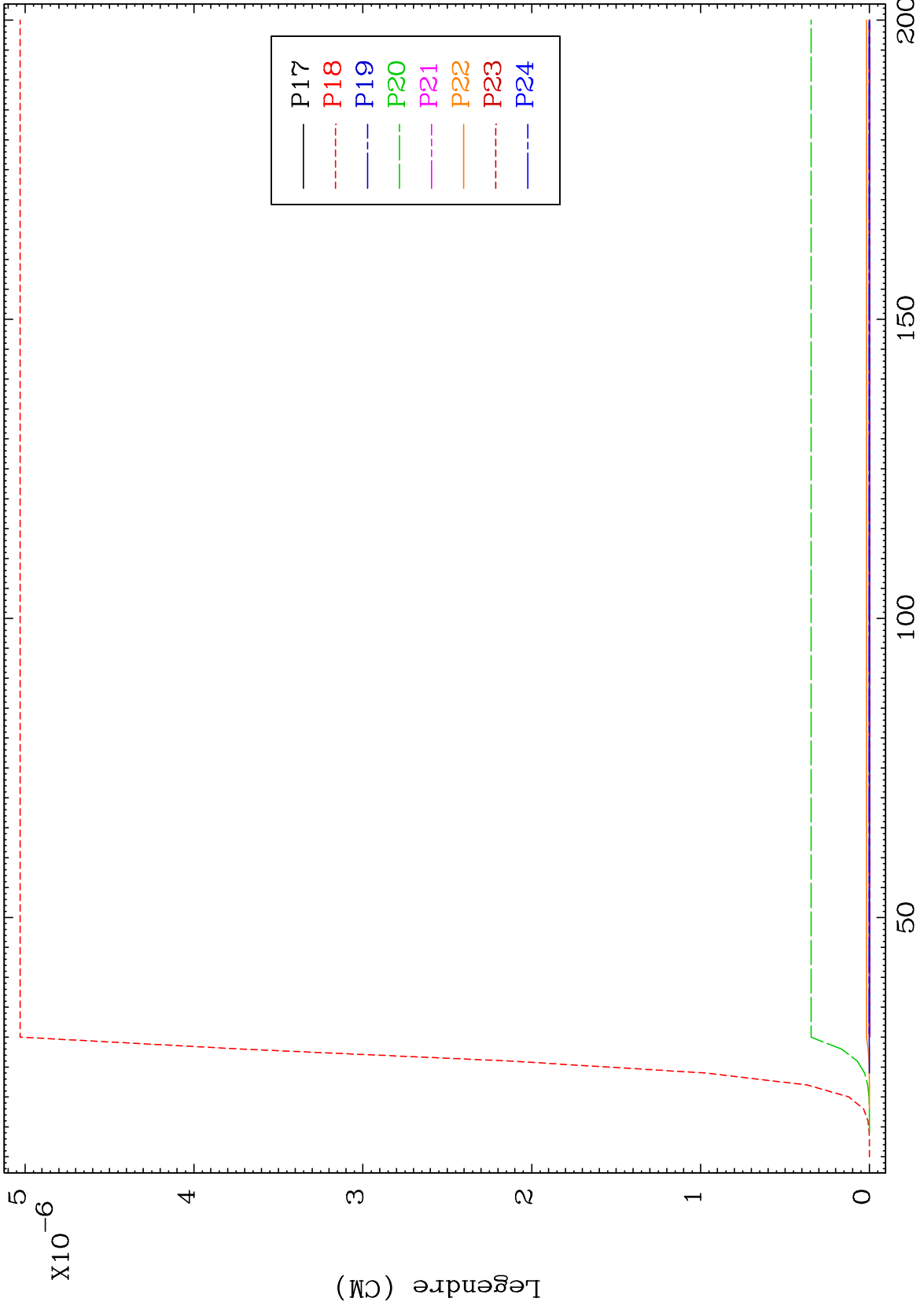


34

Incident Energy (MeV)

51-Sb-128

MAT 5146 MT= 55 (n,n') Level Legendre Coefficients 51-Sb-128

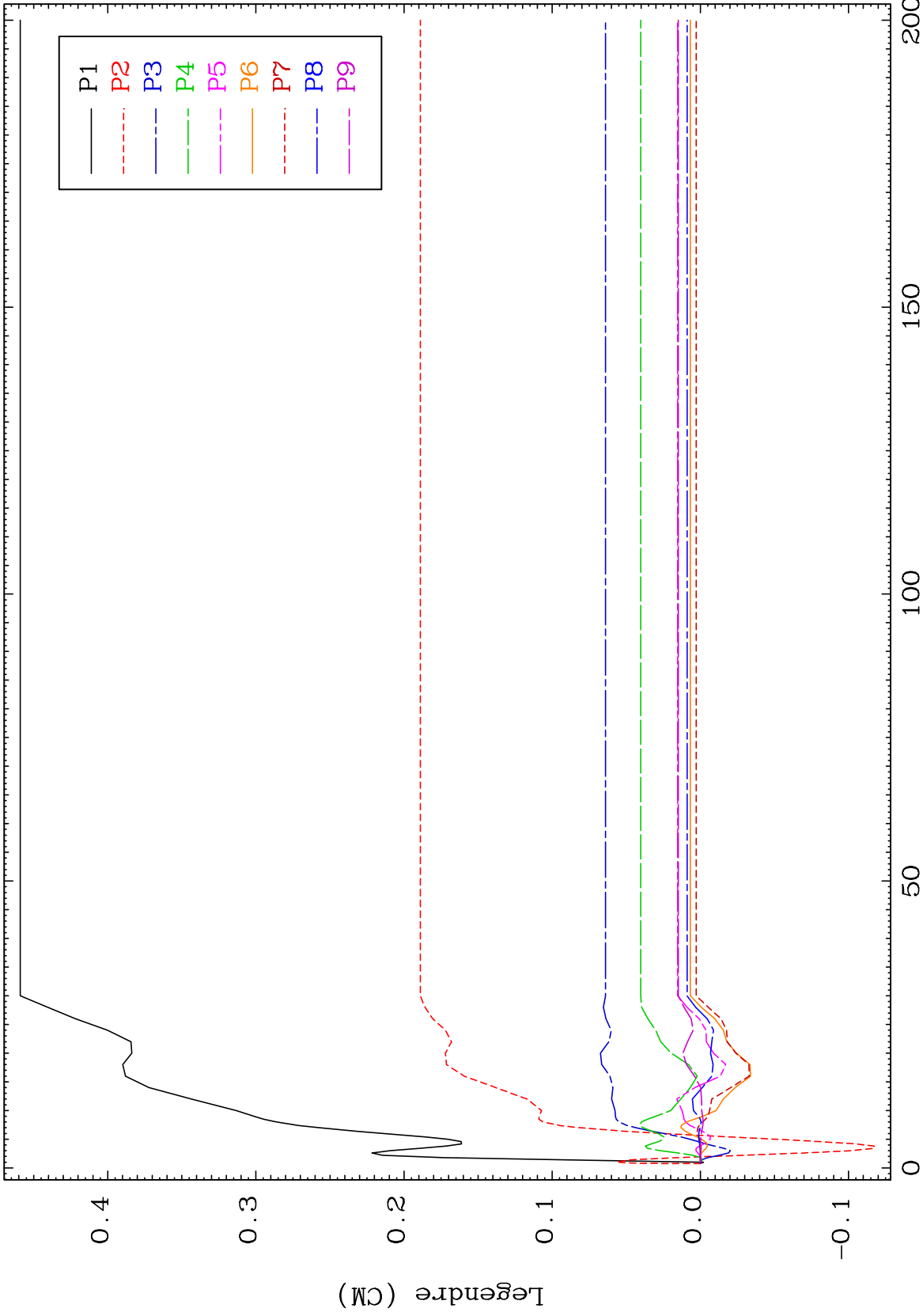


51-Sb-128

MAT 5146

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

51-Sb-128



36

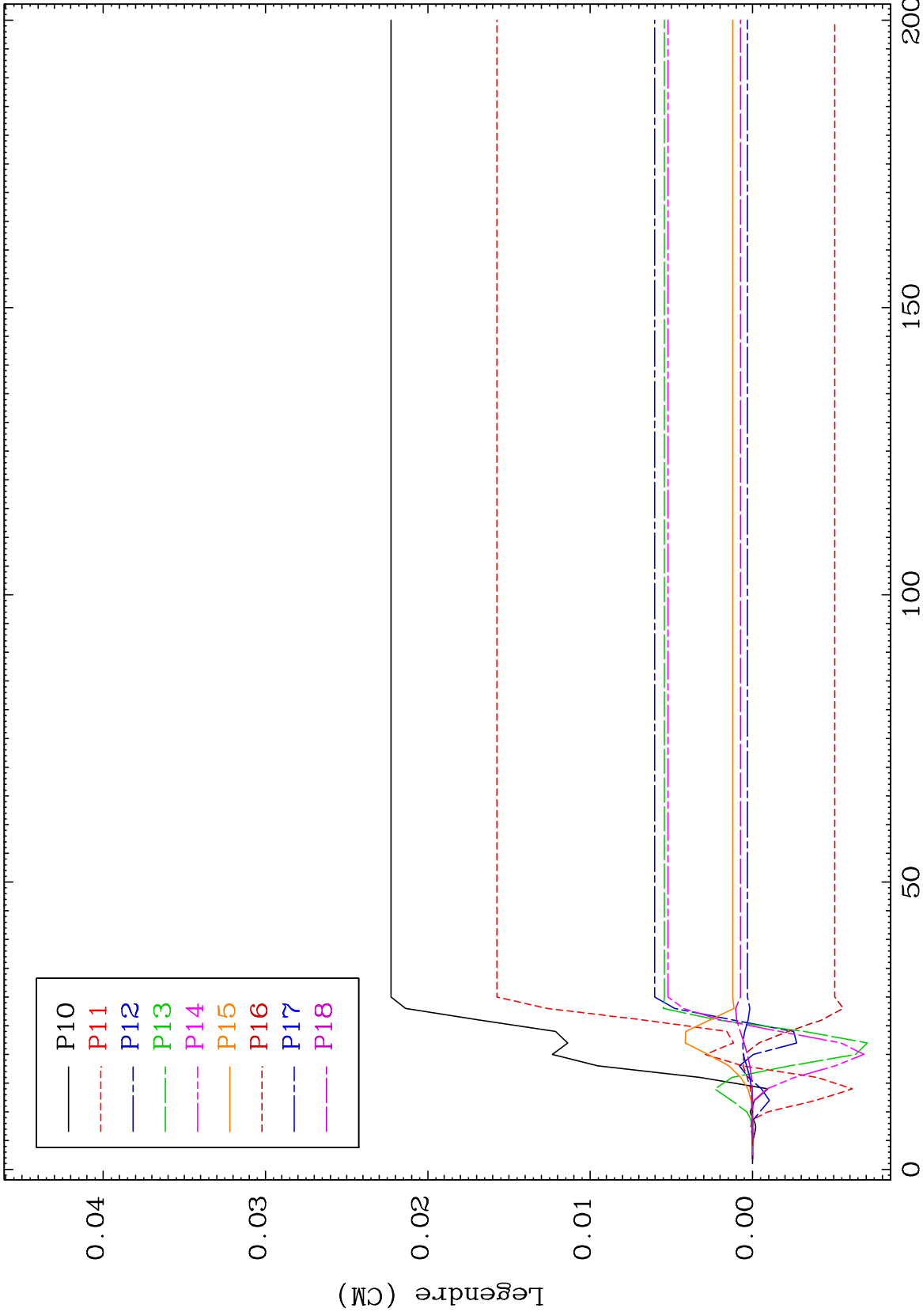
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



37

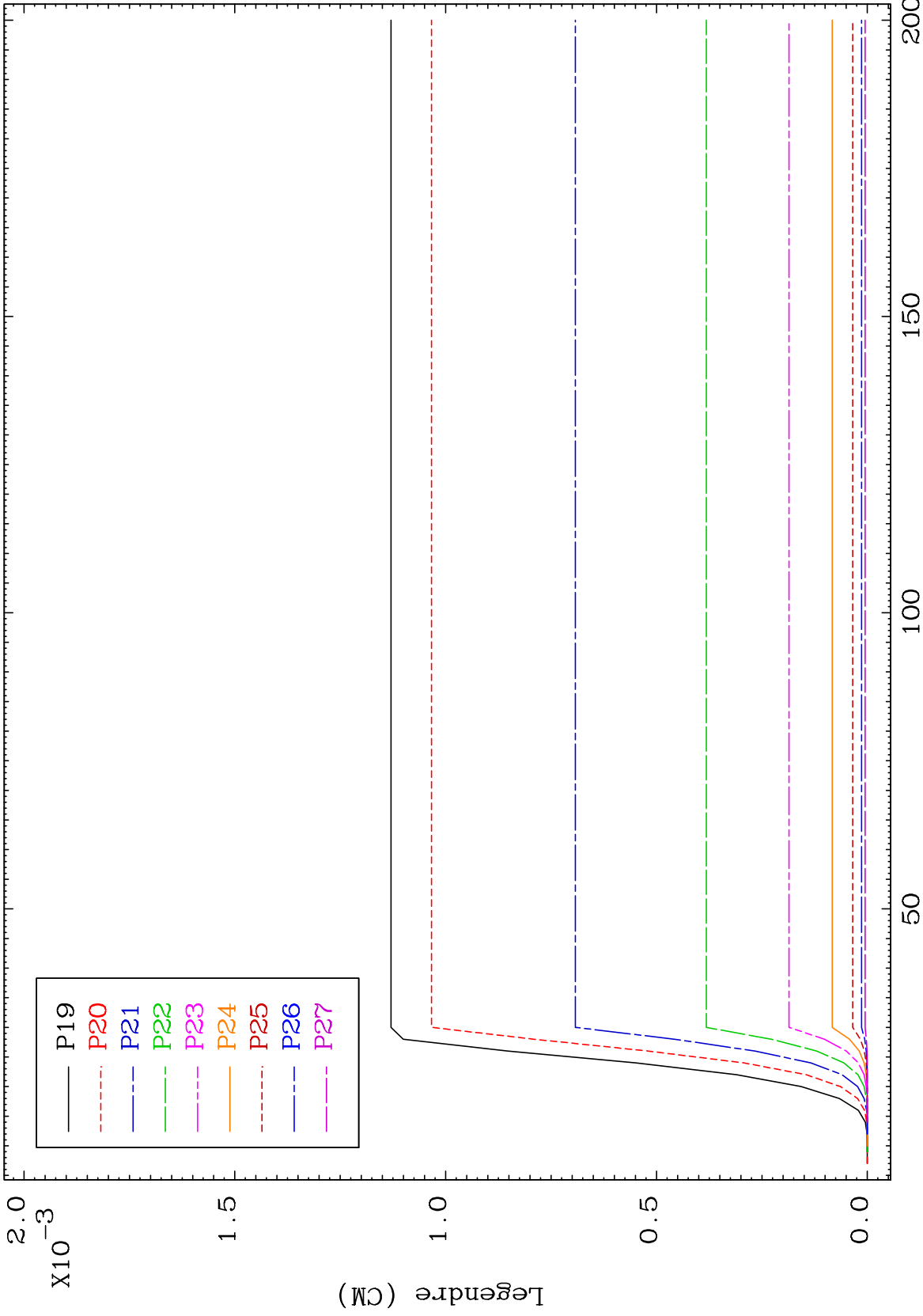
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



38

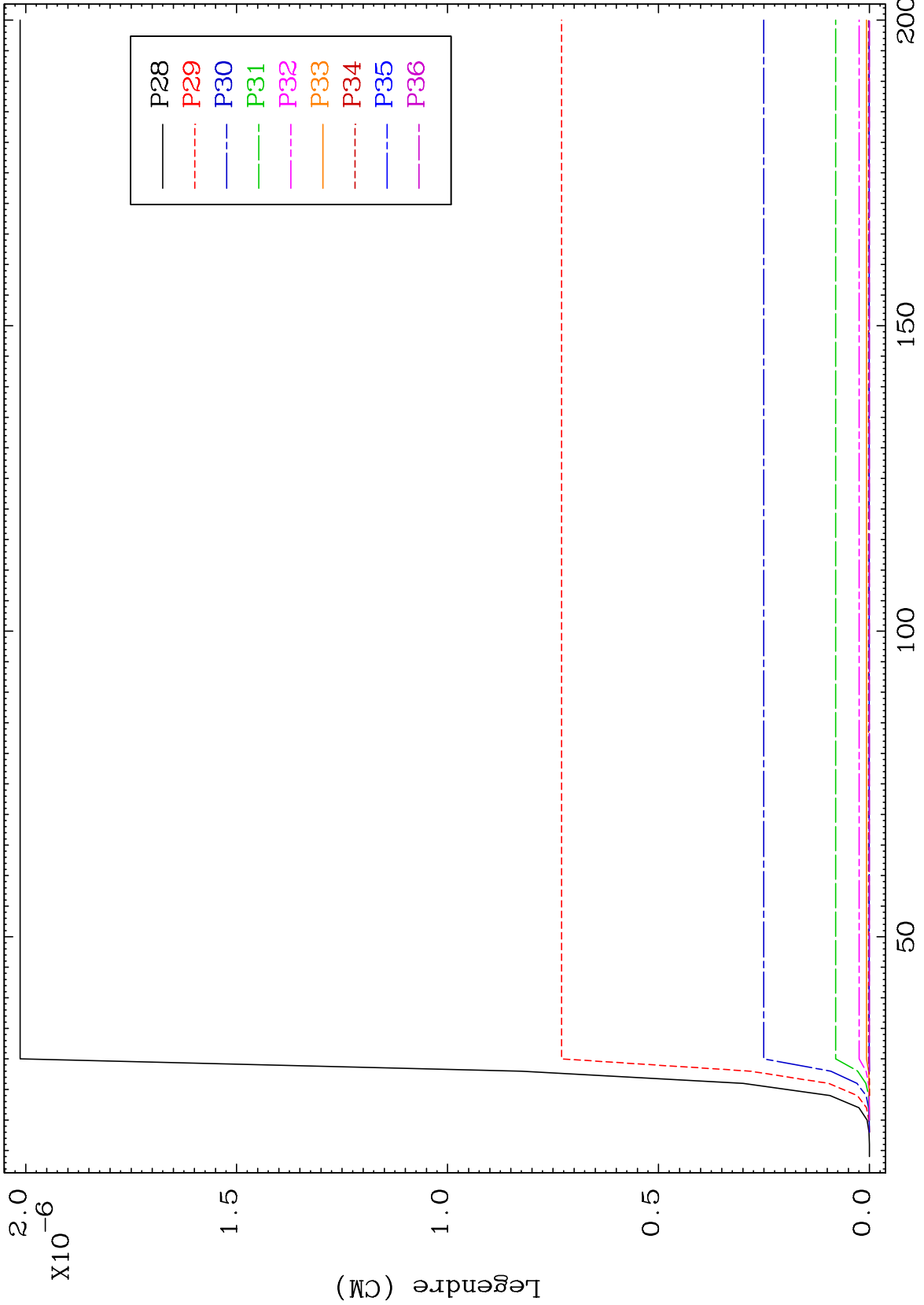
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



39

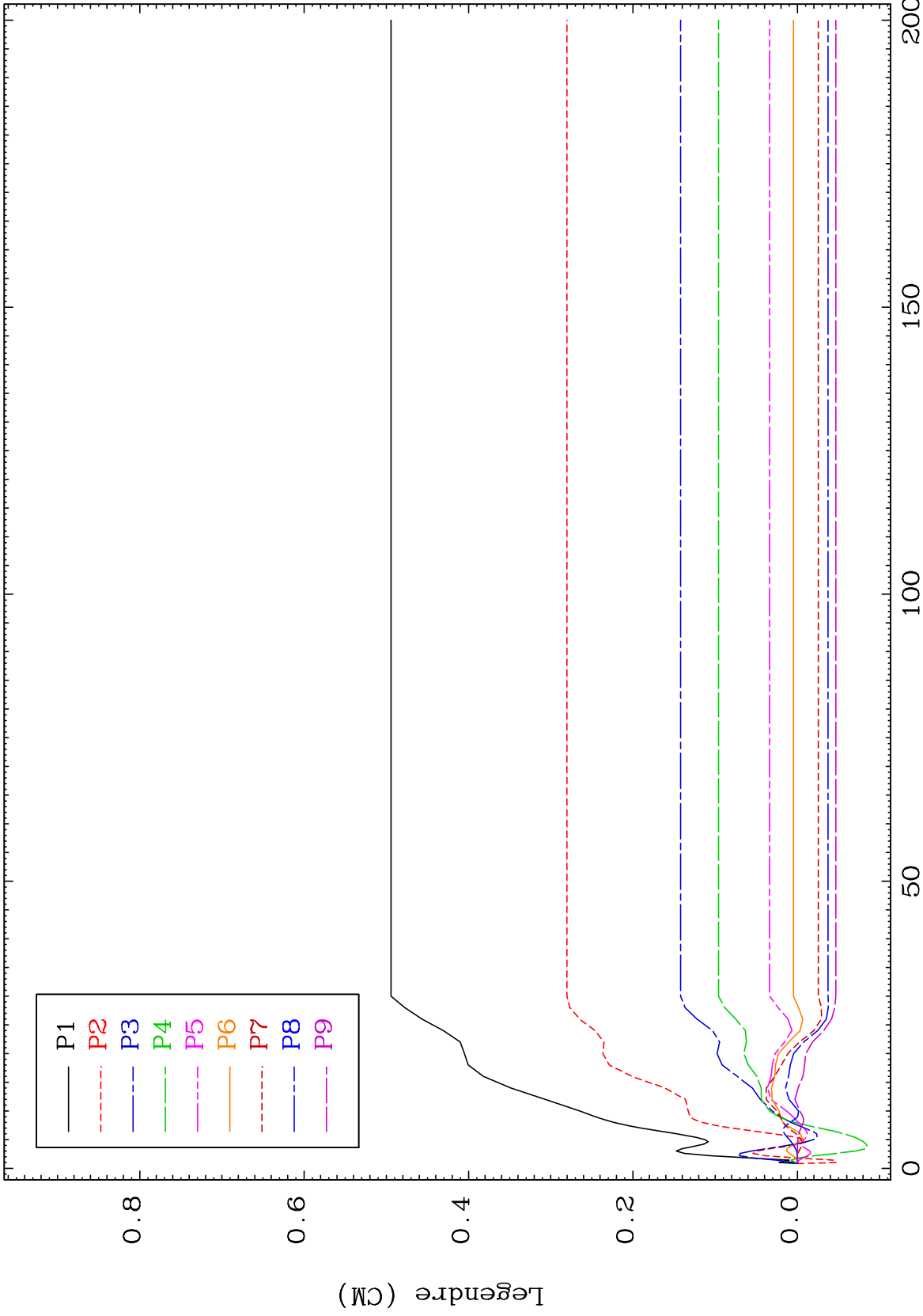
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



40

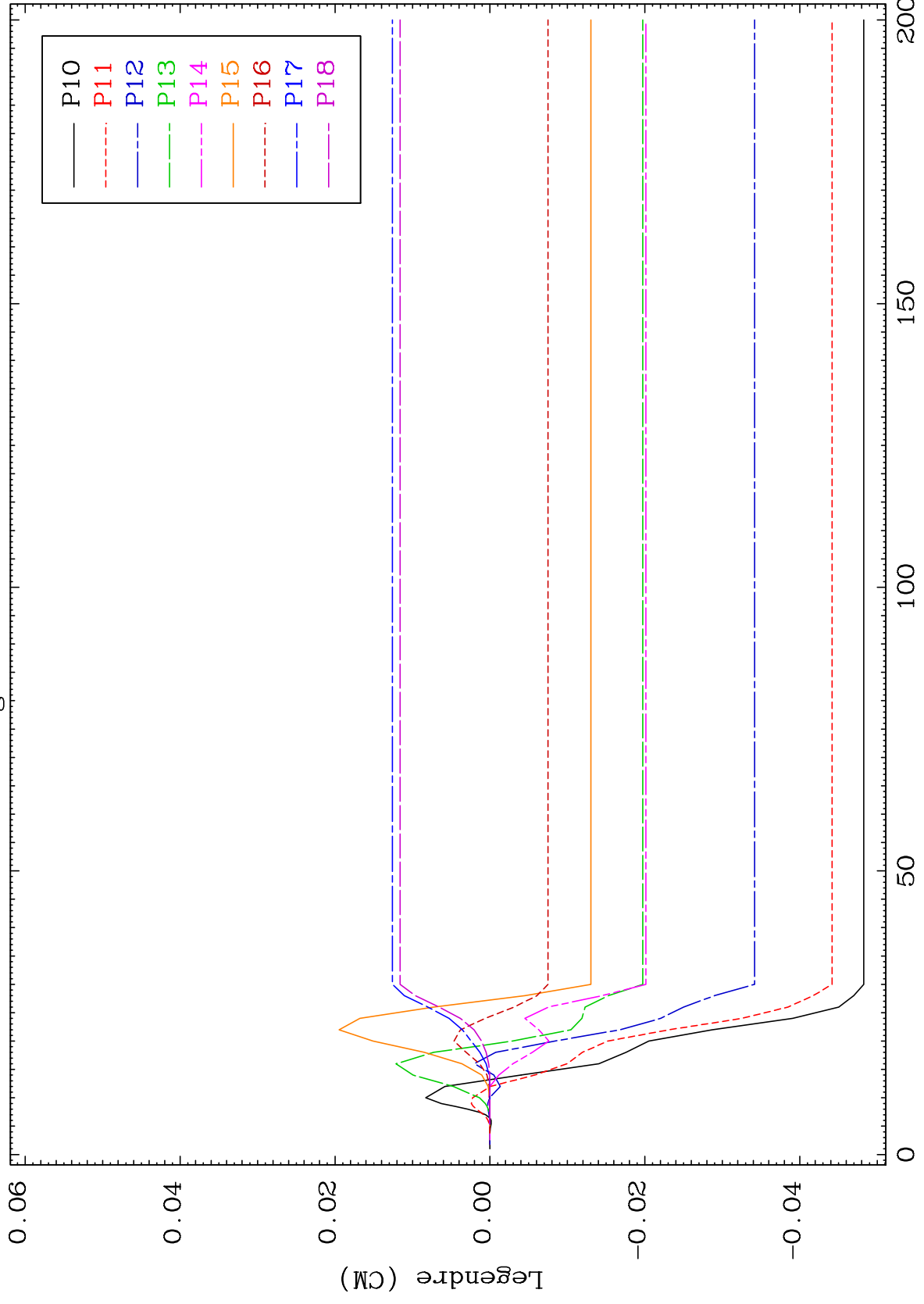
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



41

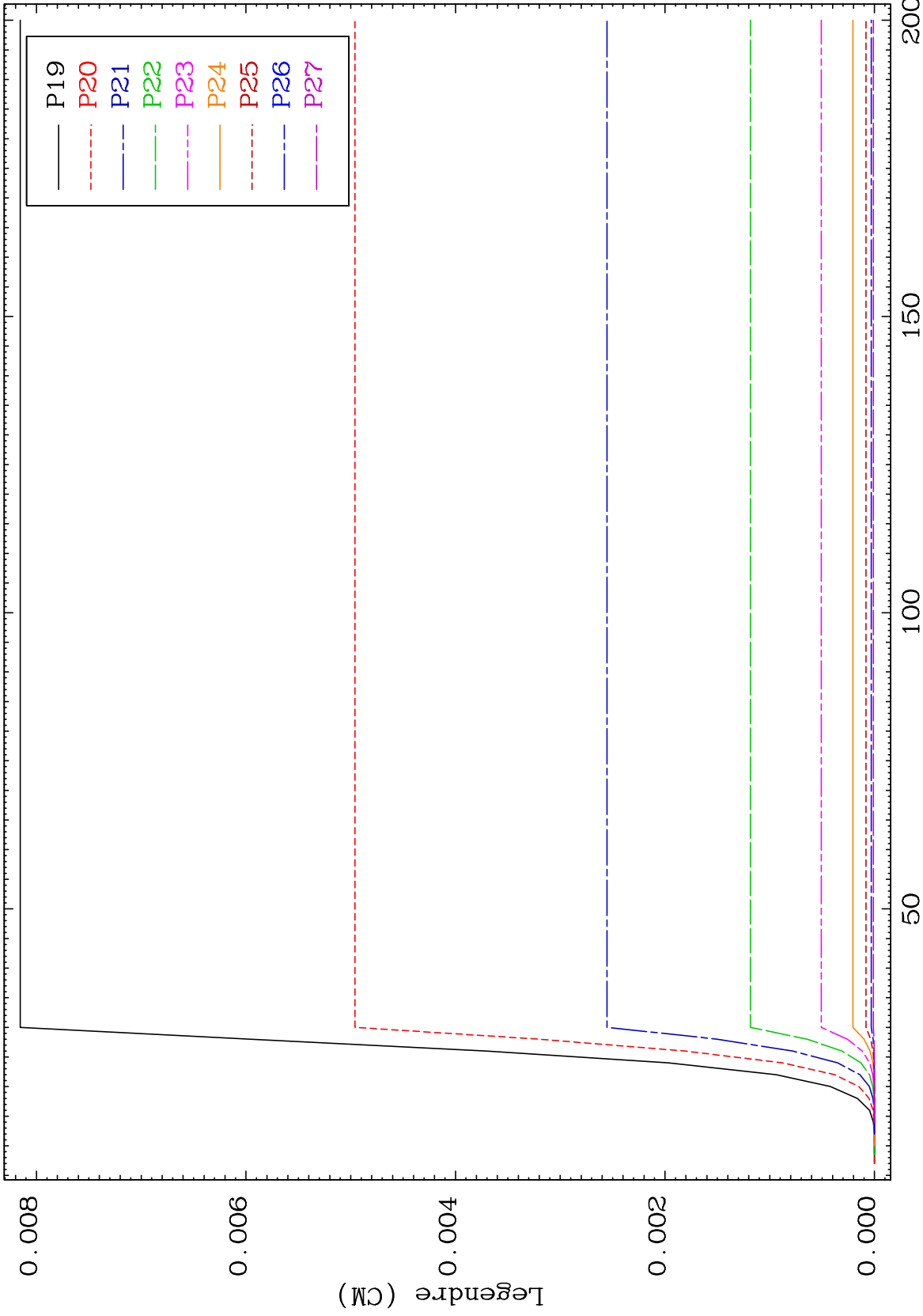
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



42

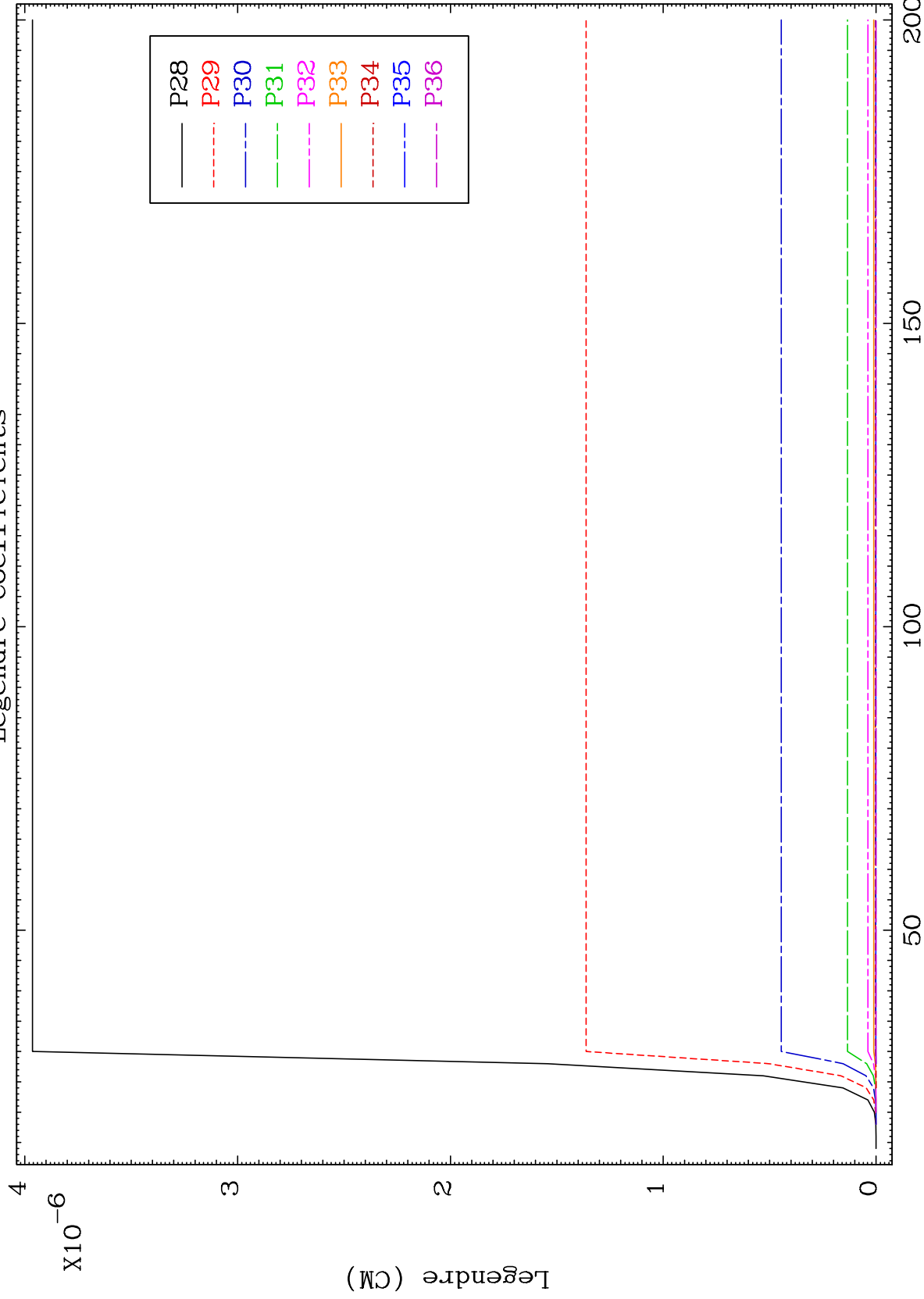
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



43

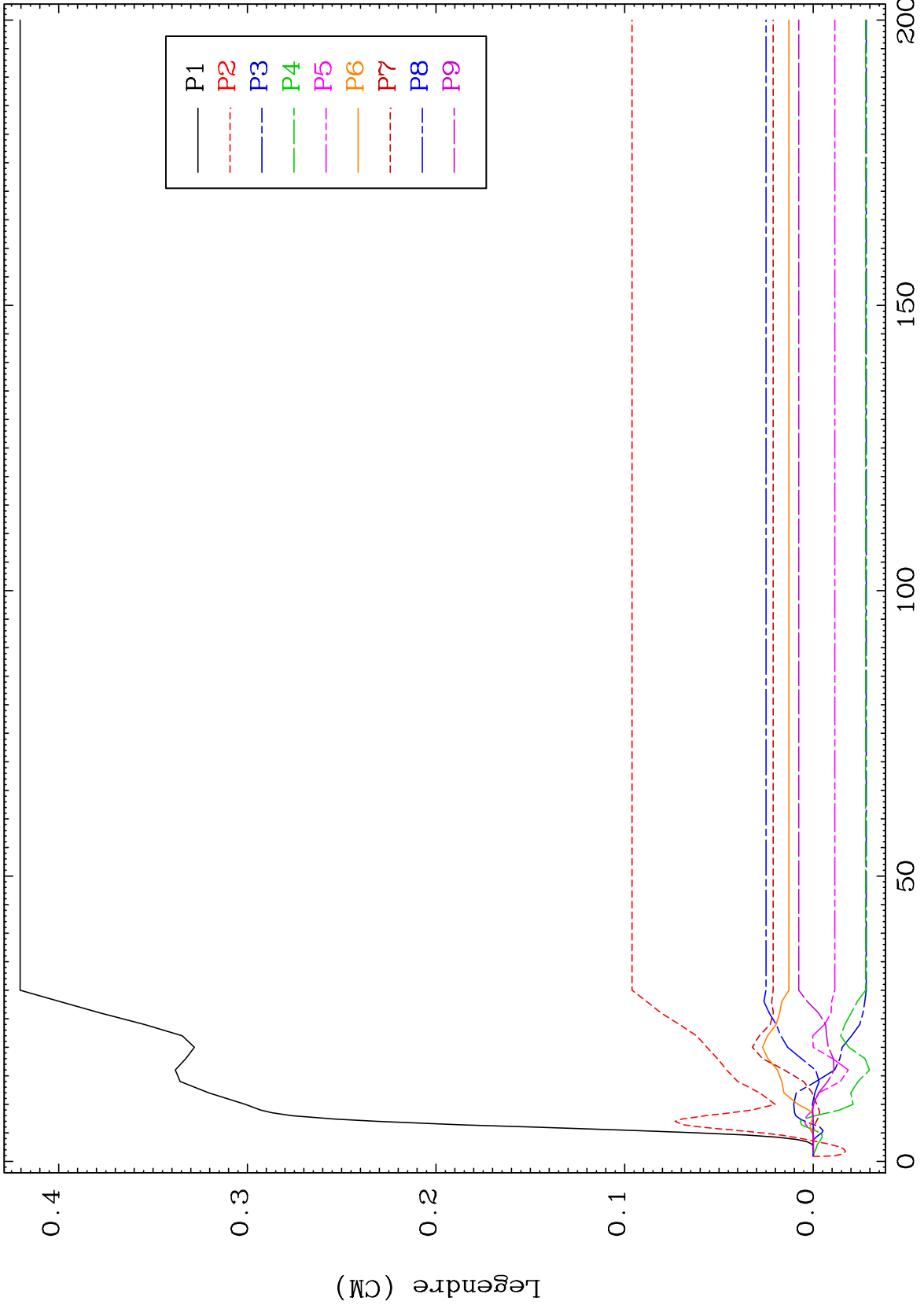
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



44

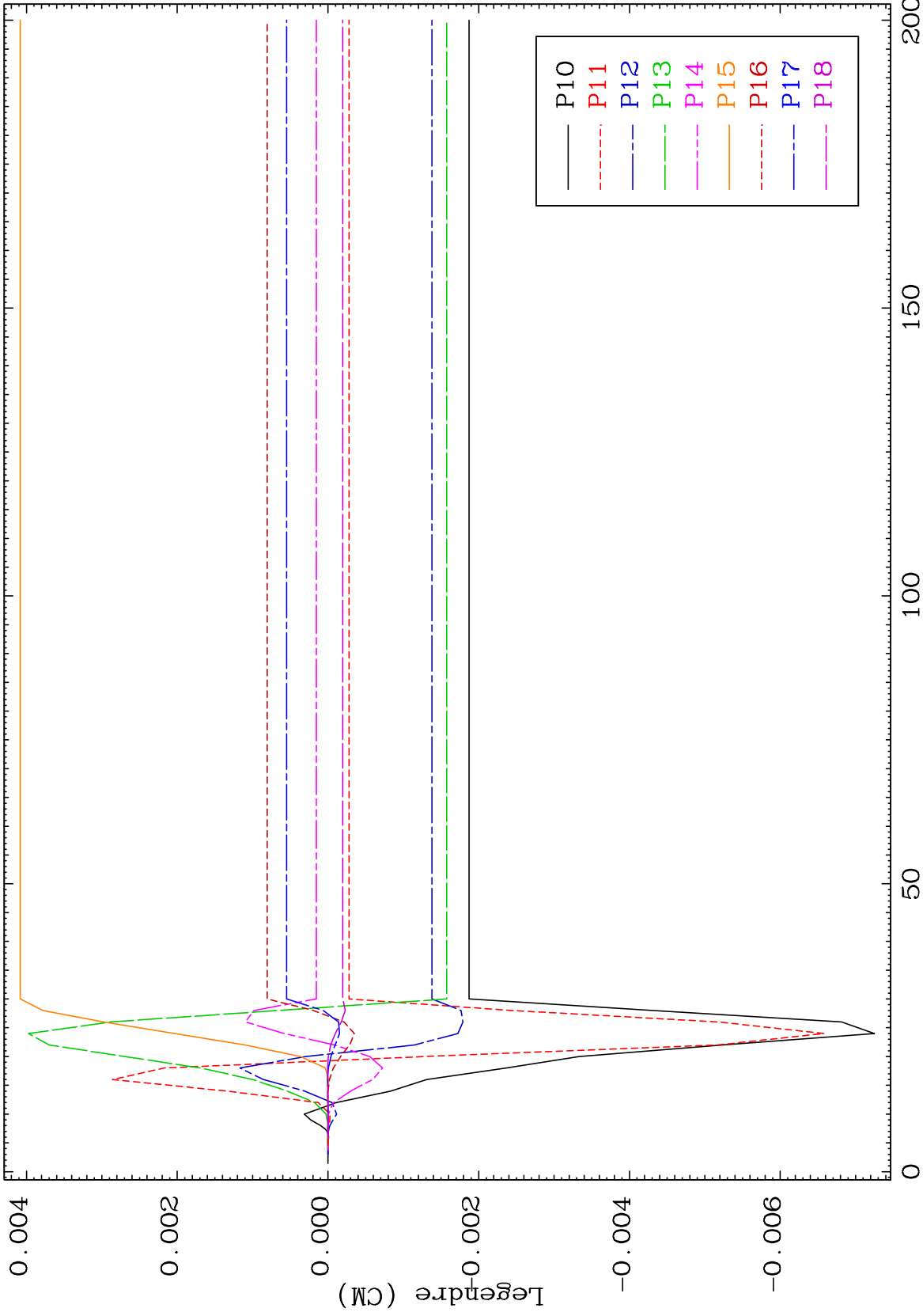
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



45

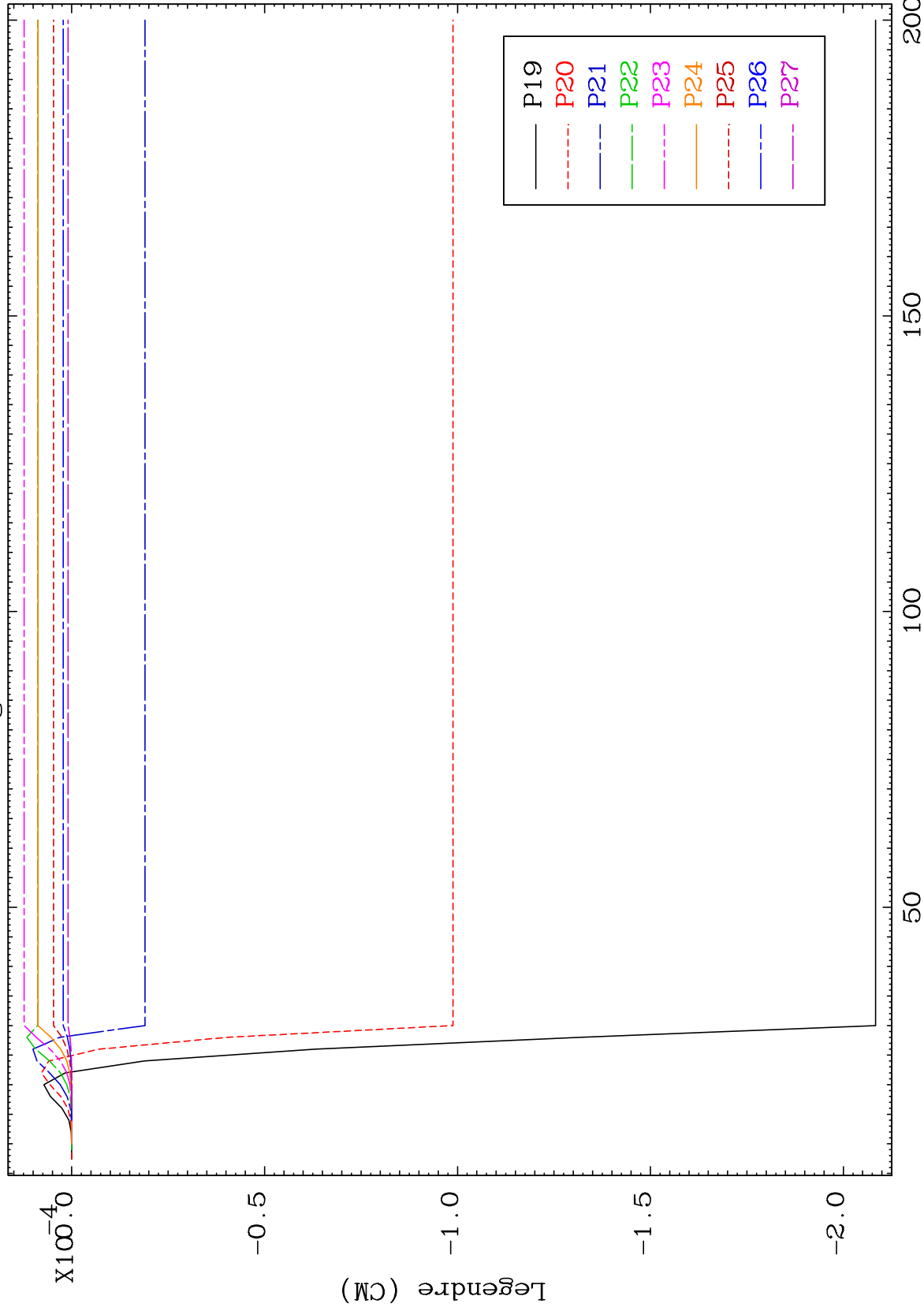
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



46

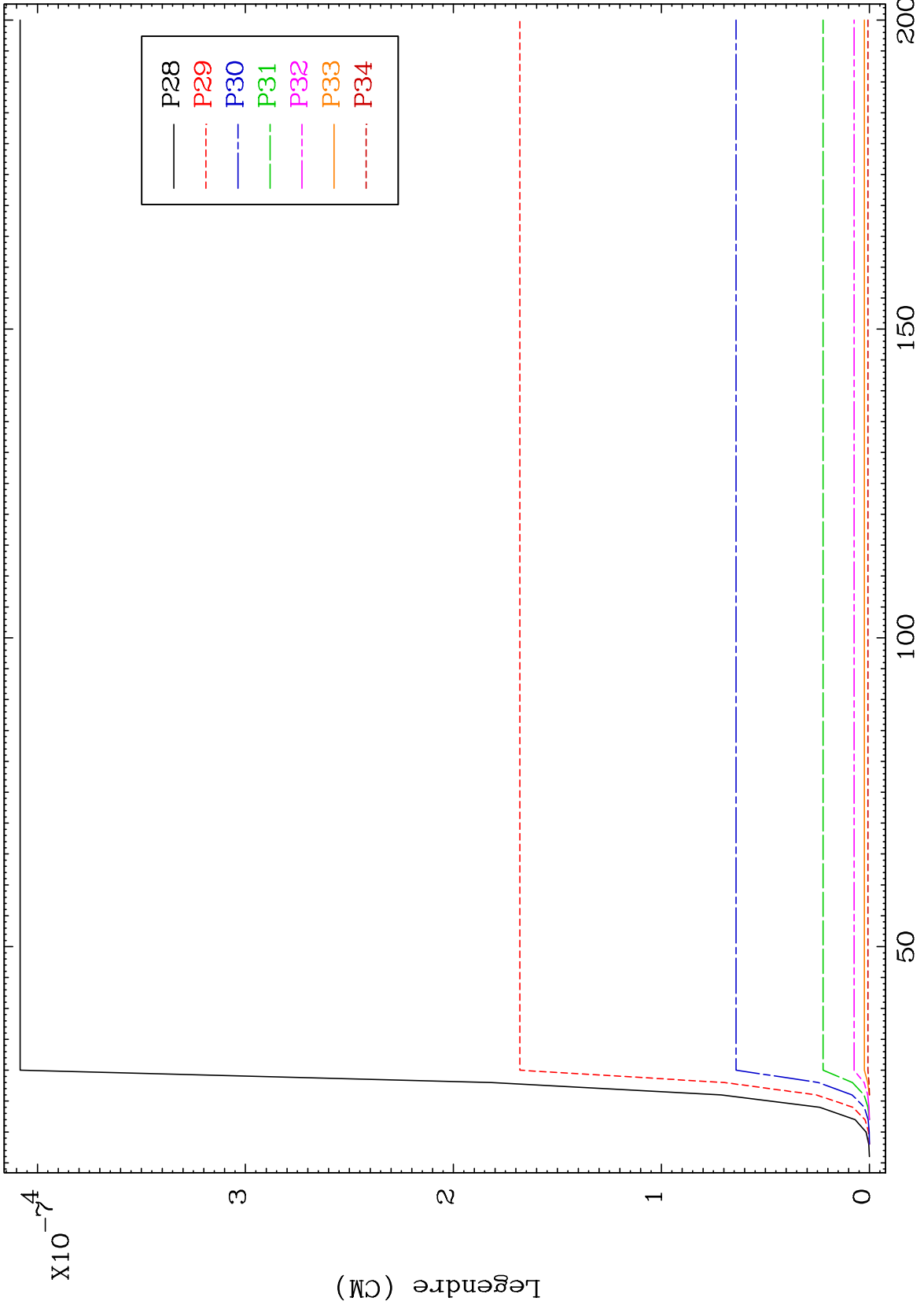
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



47

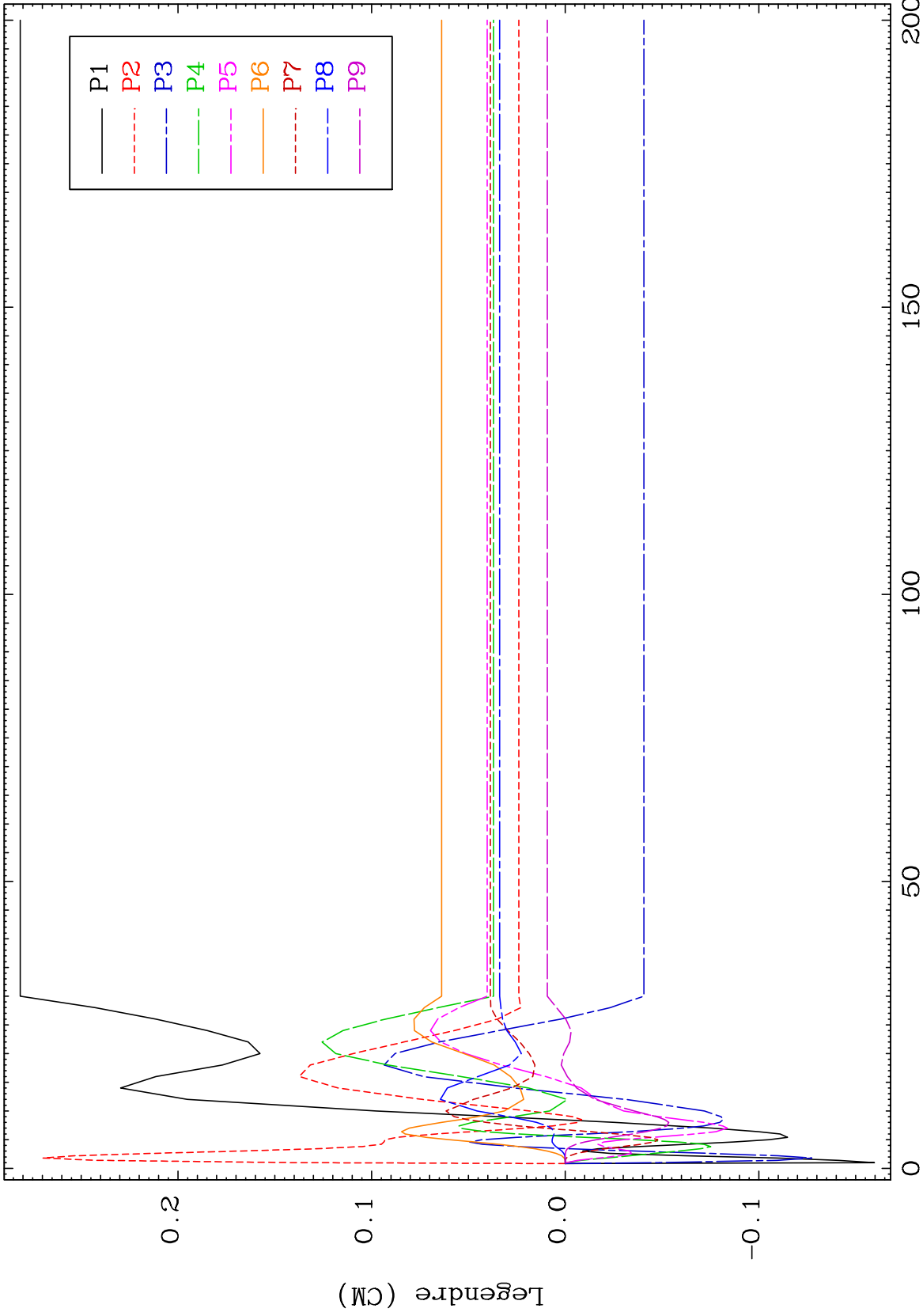
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



48

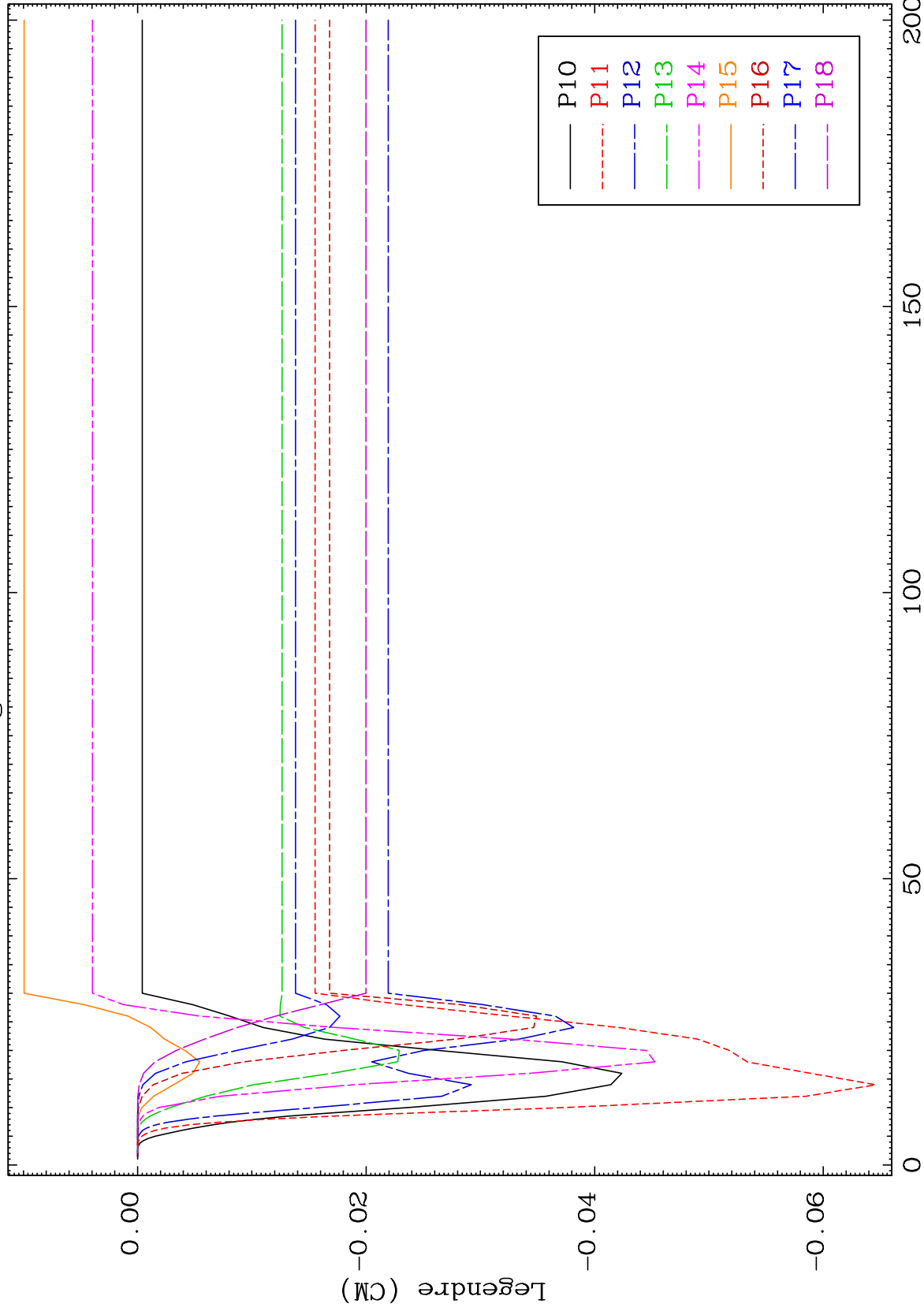
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128

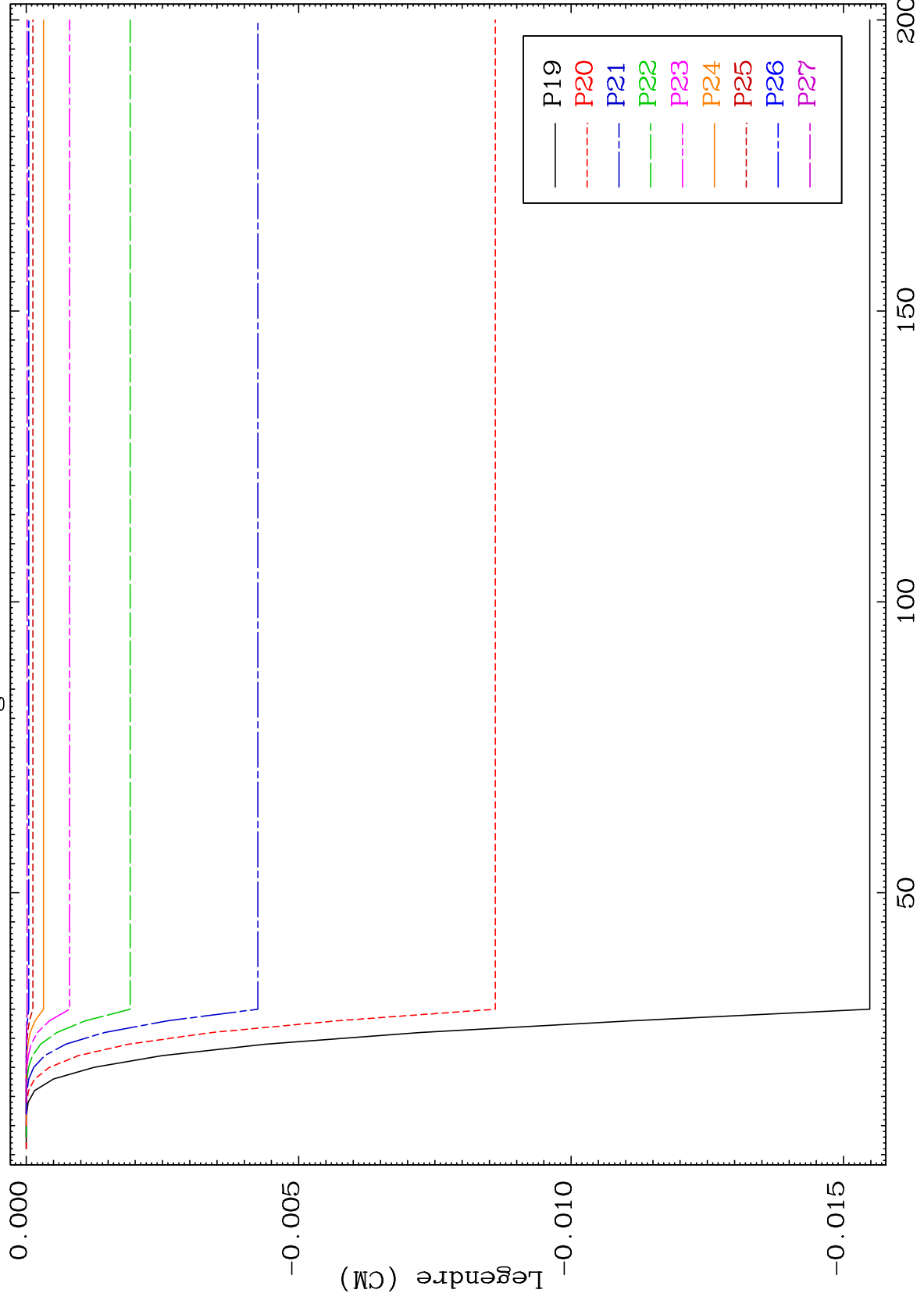


49

Incident Energy (MeV)

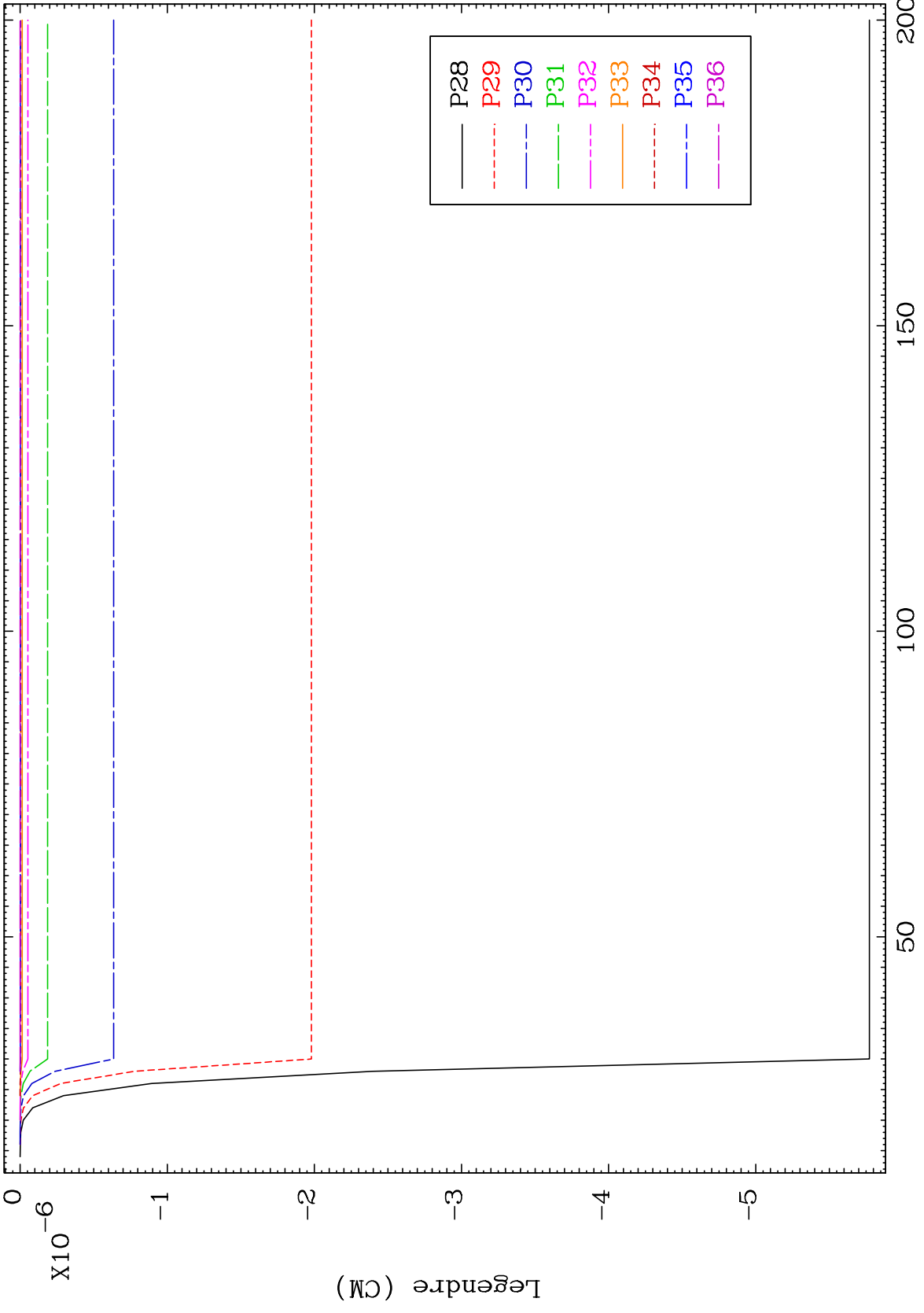
51-Sb-128

MAT 5146 MT= 59 (n,n') Level Legendre Coefficients 51-Sb-128



51-Sb-128

MAT 5146 MT= 59 (n,n') Level Legendre Coefficients 51-Sb-128

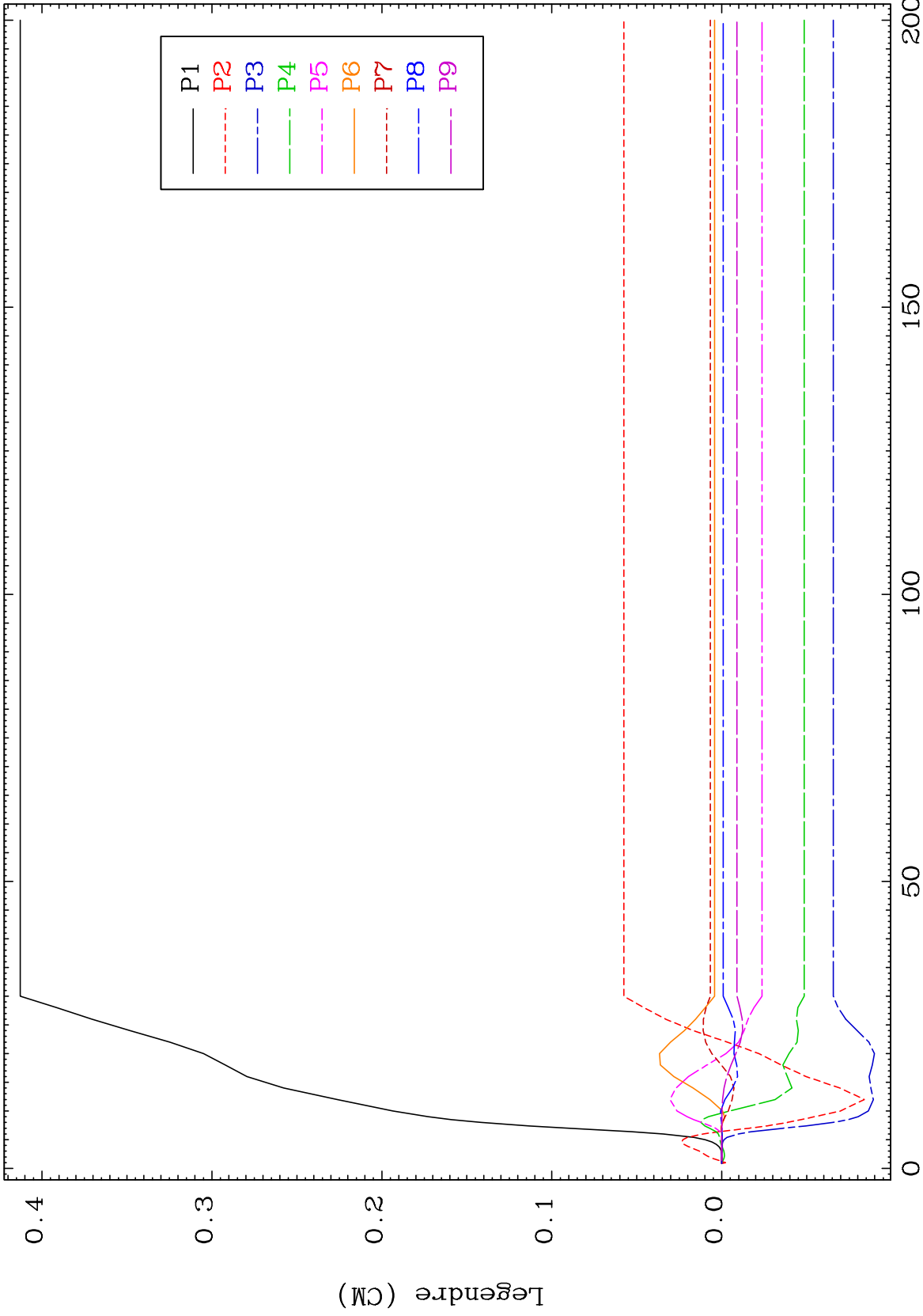


51 Incident Energy (MeV) 51-Sb-128

MAT 5146

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

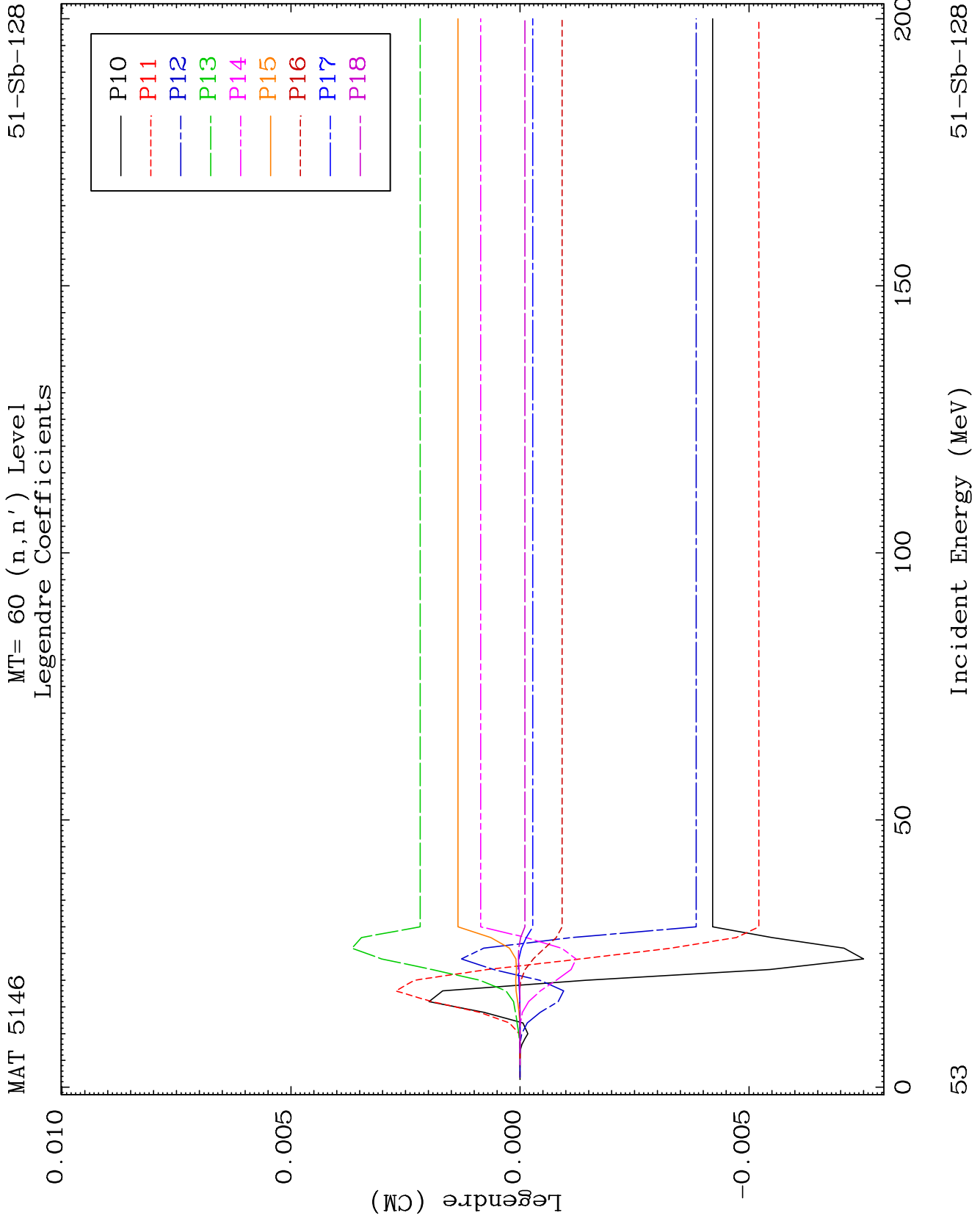
51-Sb-128



52

Incident Energy (MeV)

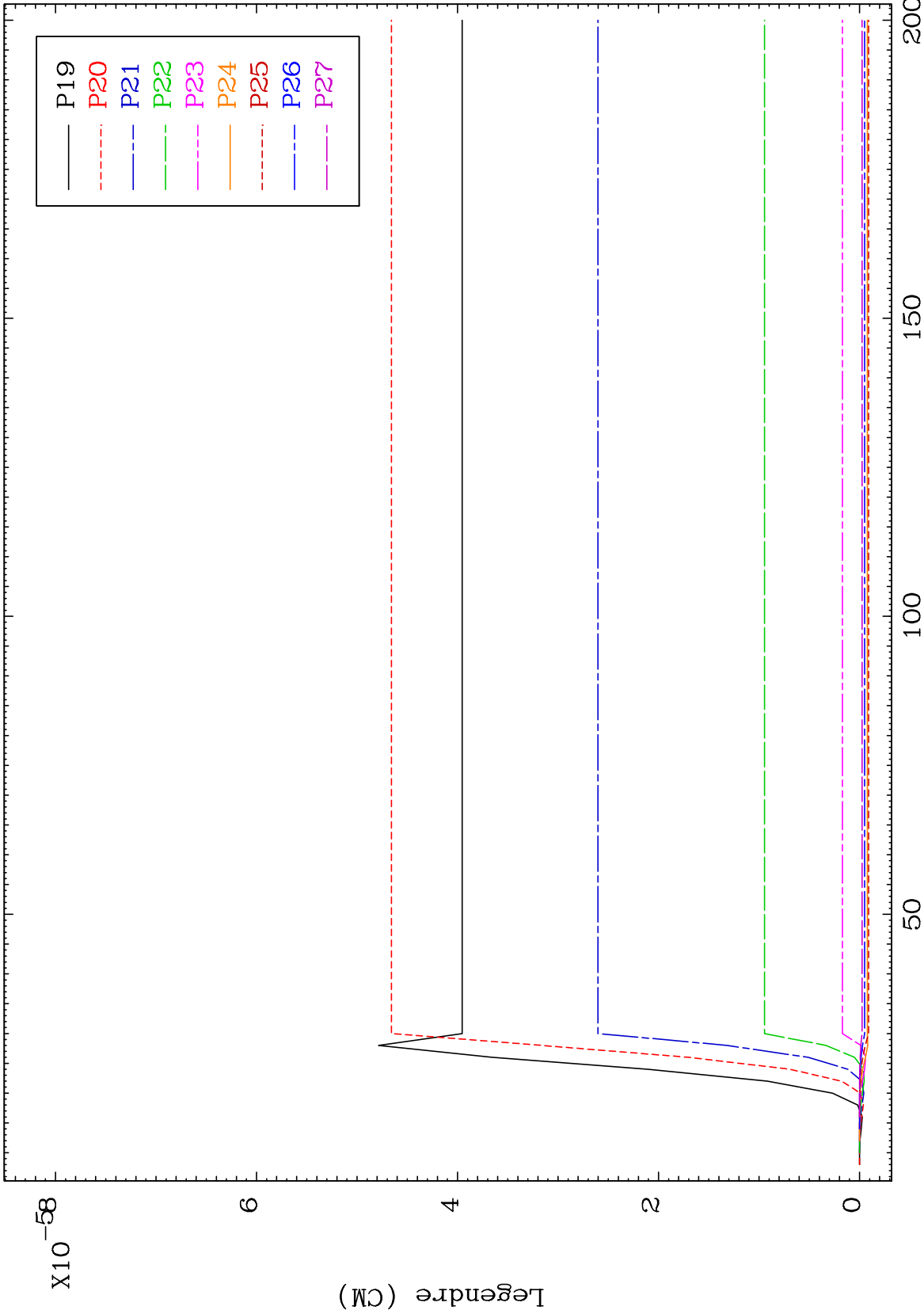
51-Sb-128



MAT 5146

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

51-Sb-128



54

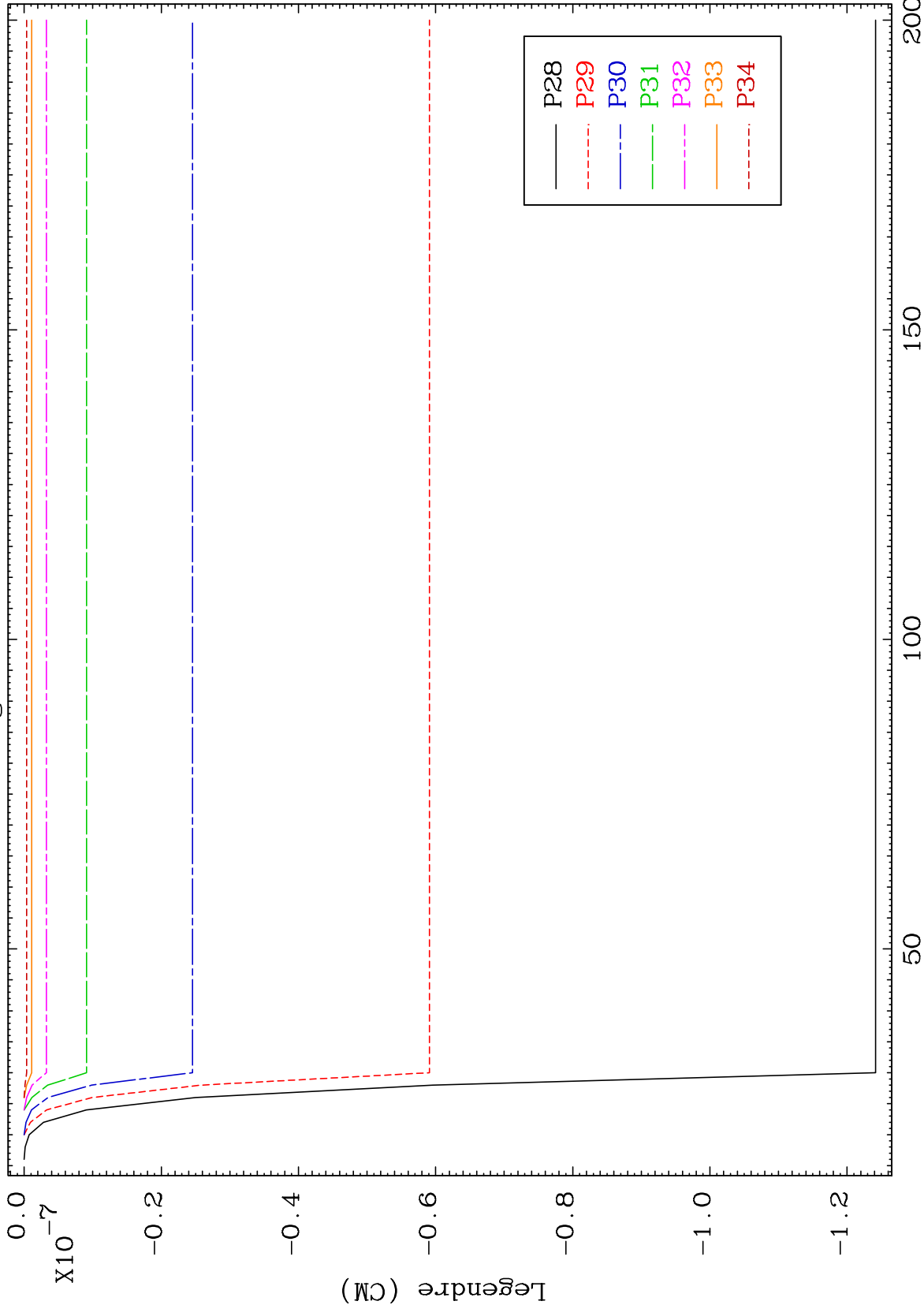
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



51-Sb-128

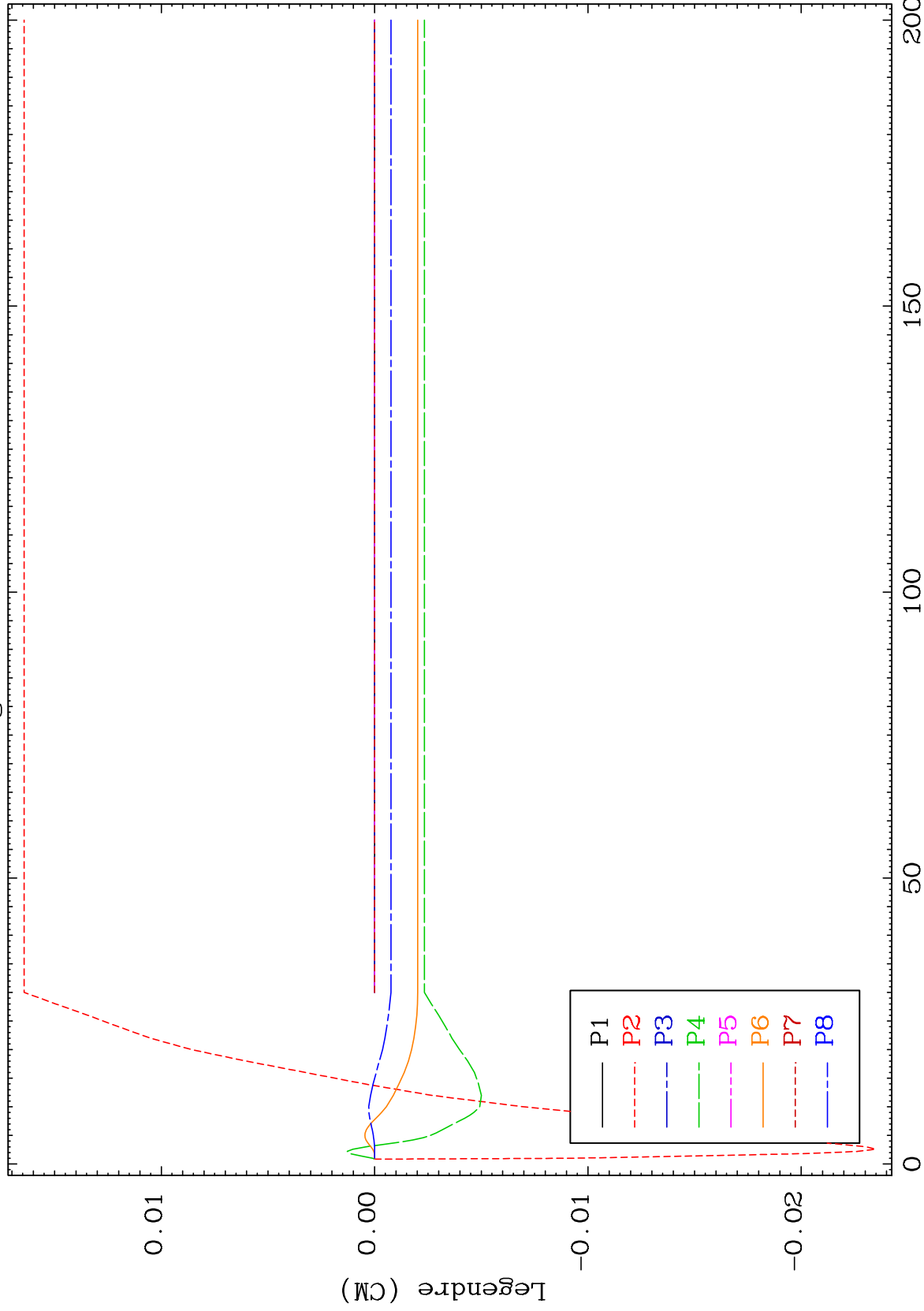
Incident Energy (MeV)

55

MAT 5146

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

51-Sb-128



56

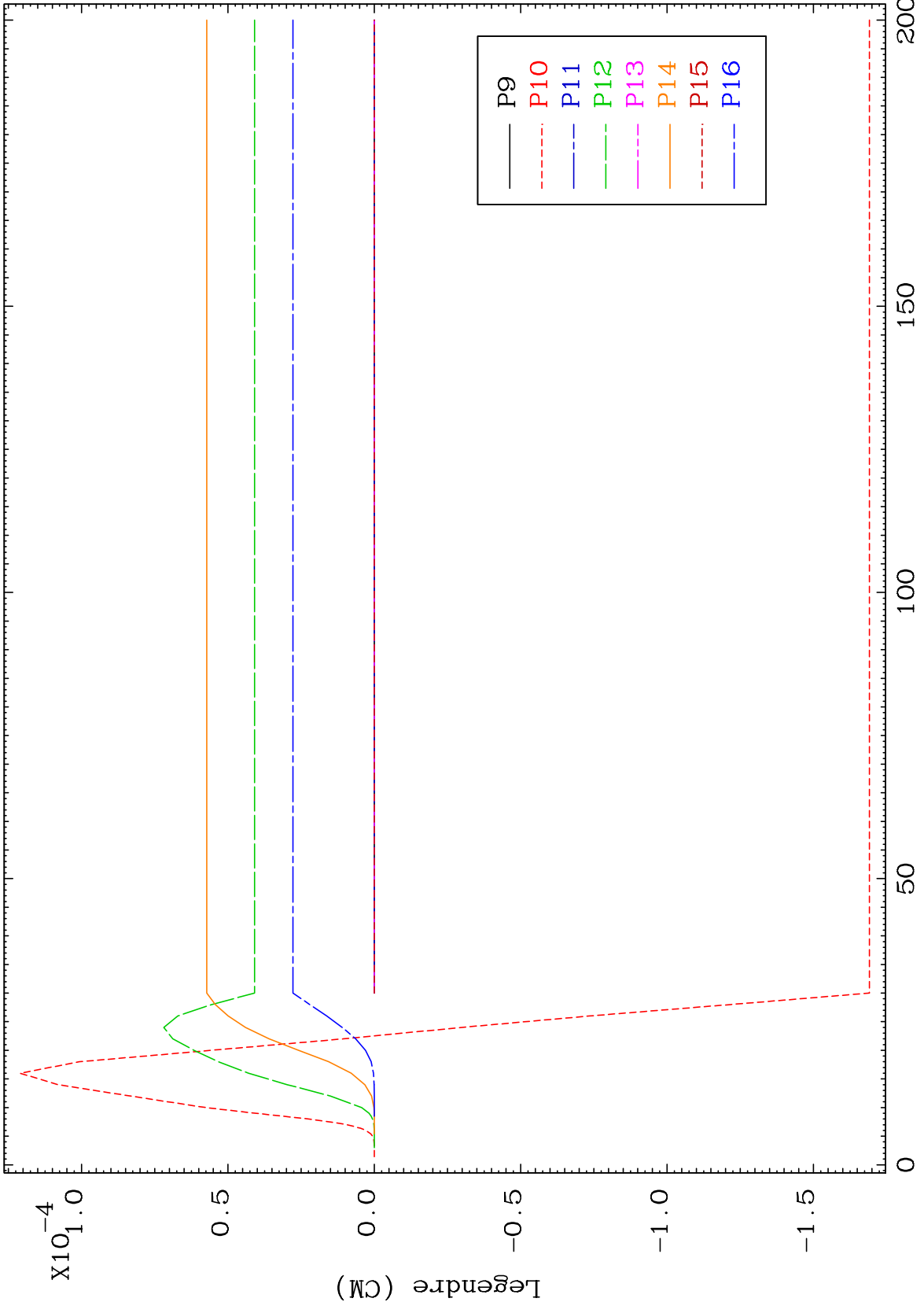
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



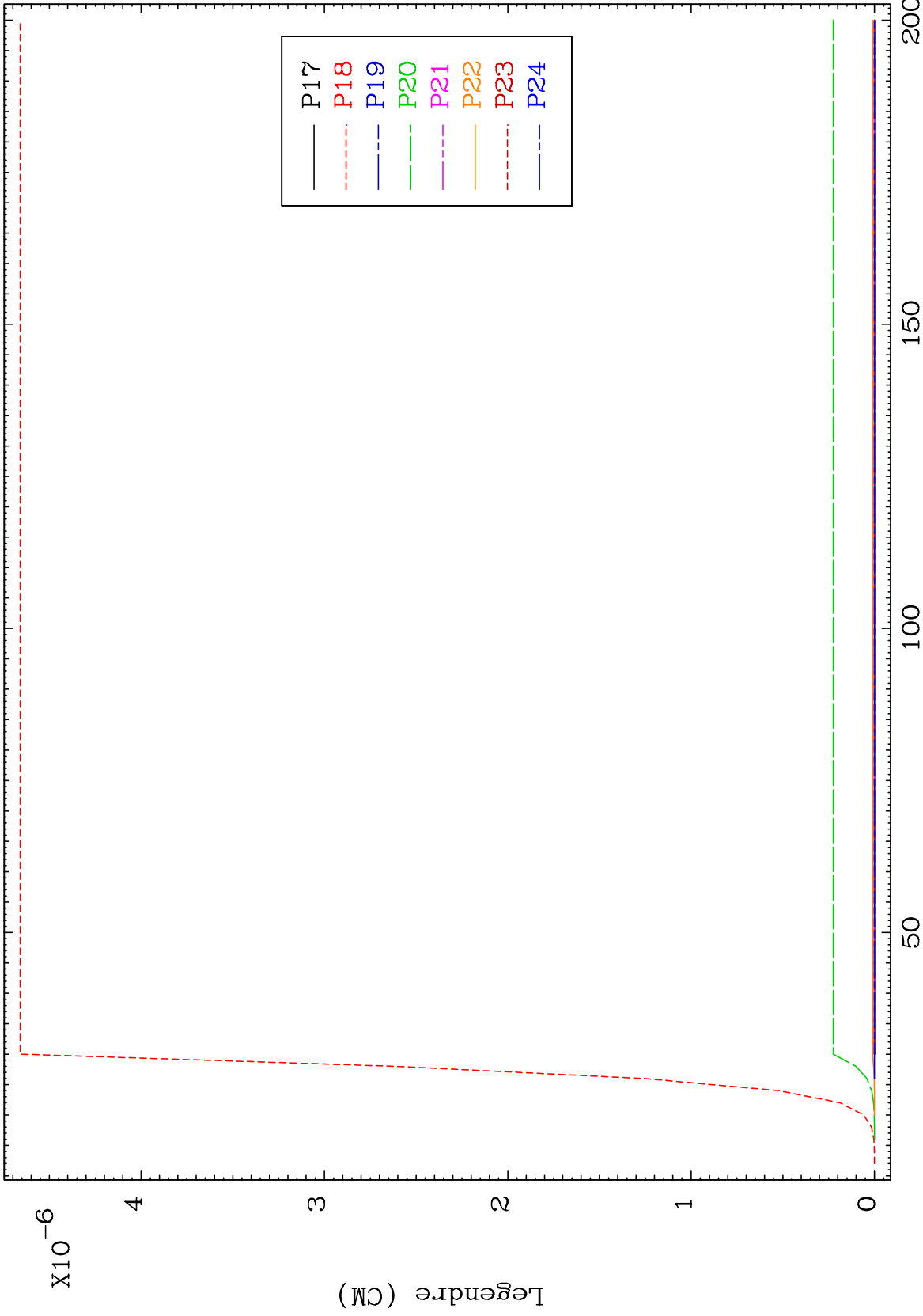
57

51-Sb-128

MAT 5146

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

51-Sb-128



58

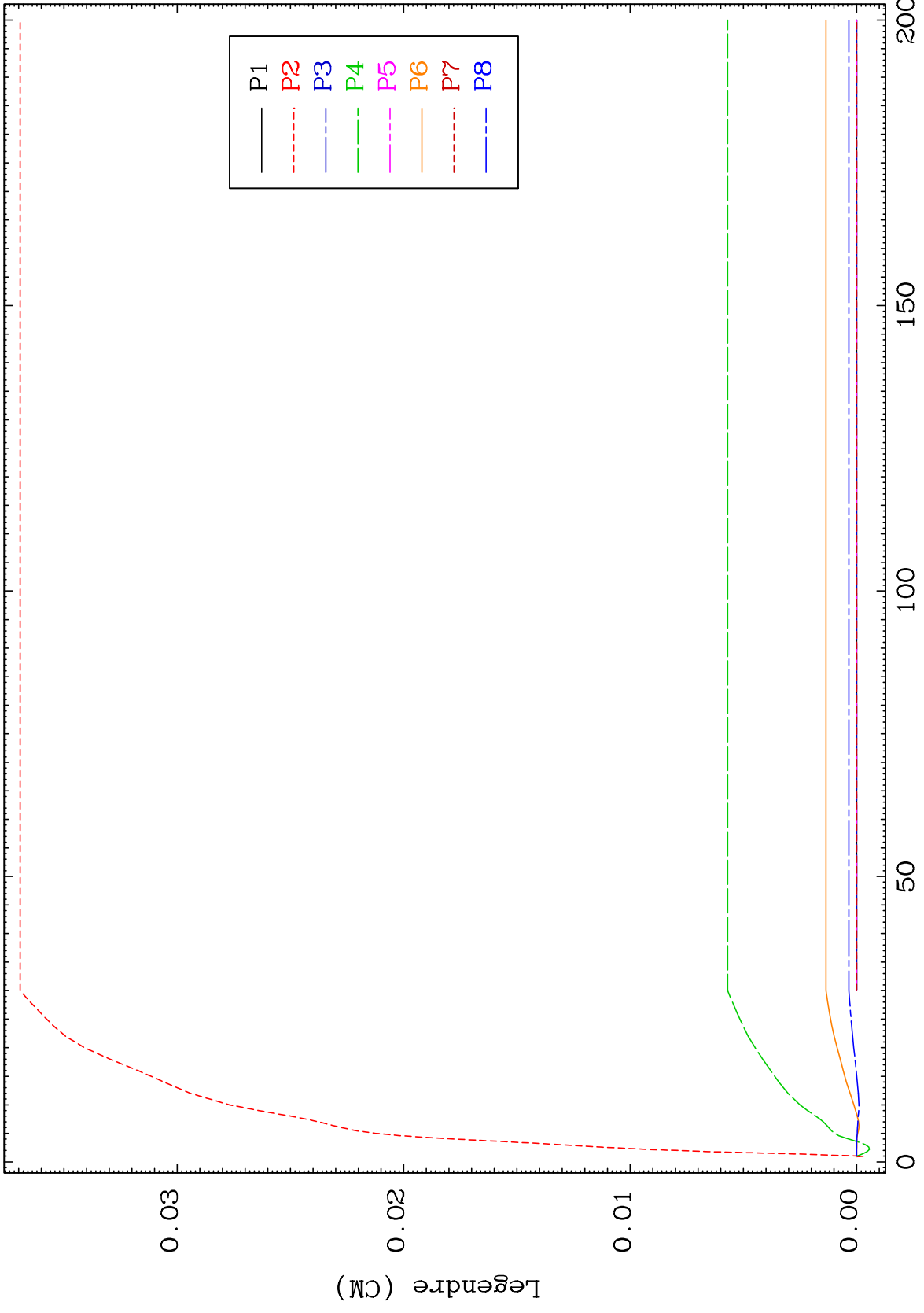
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128

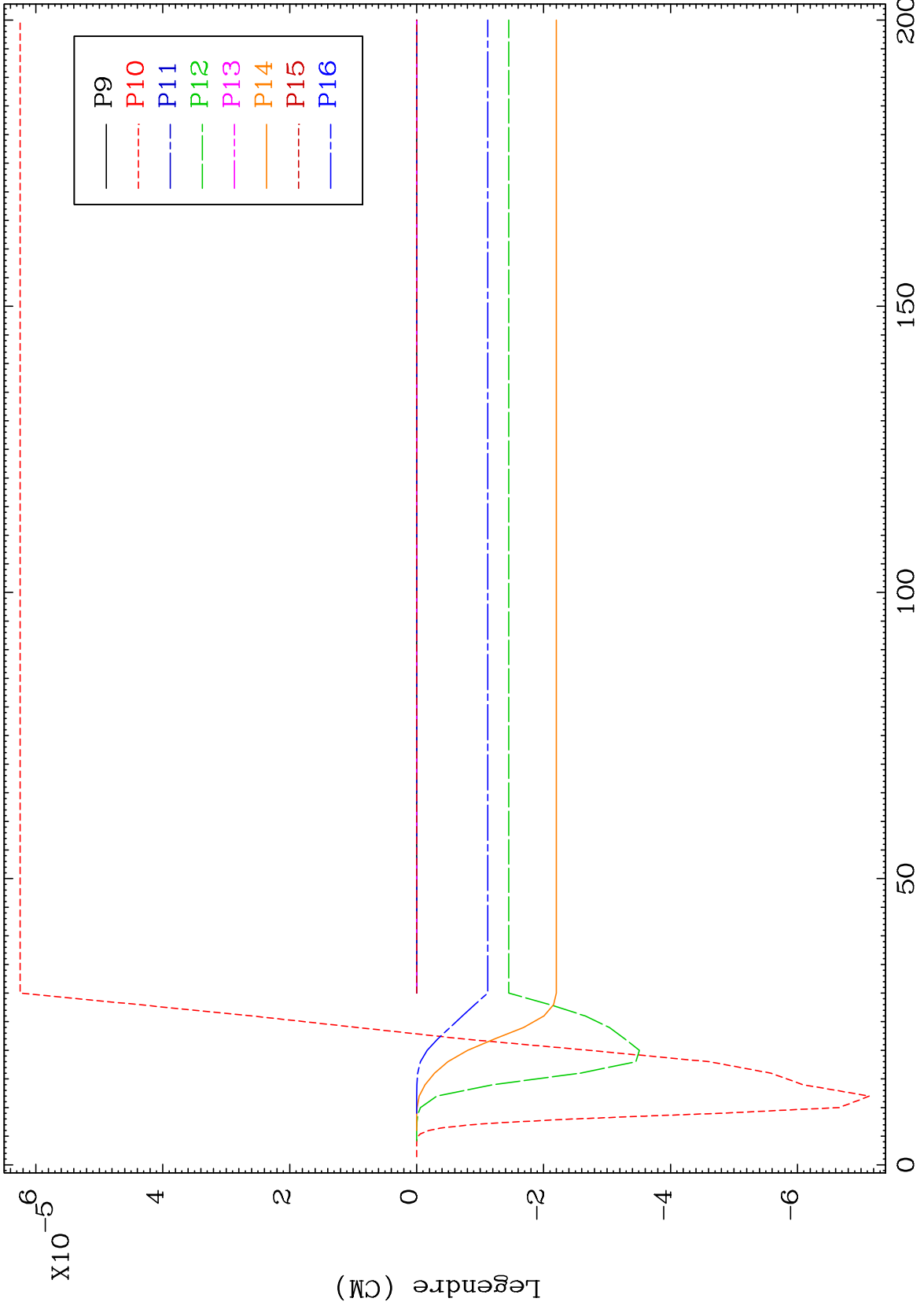


59

Incident Energy (MeV)

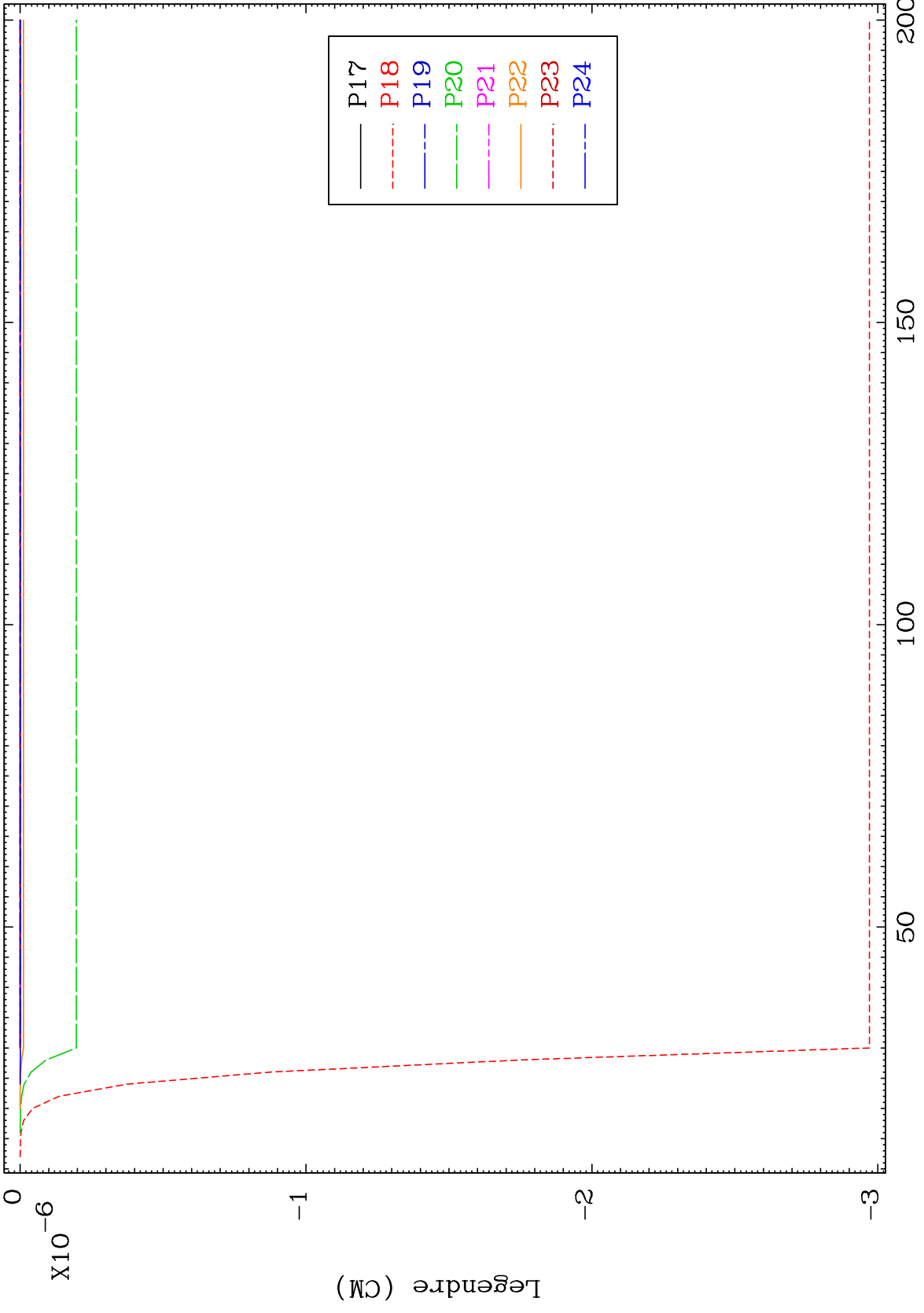
51-Sb-128

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

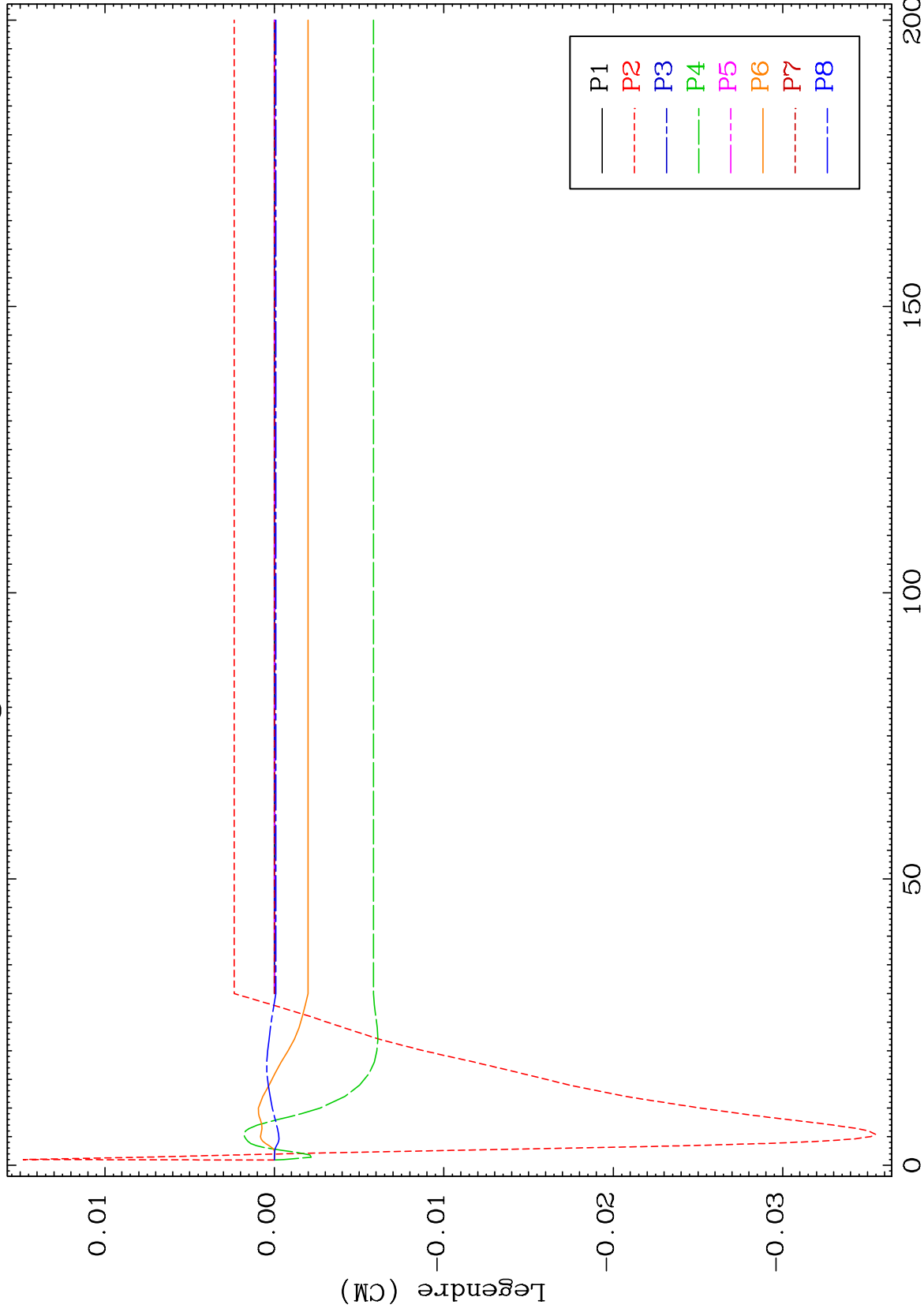


61 51-Sb-128

MAT 5146

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

51-Sb-128



62

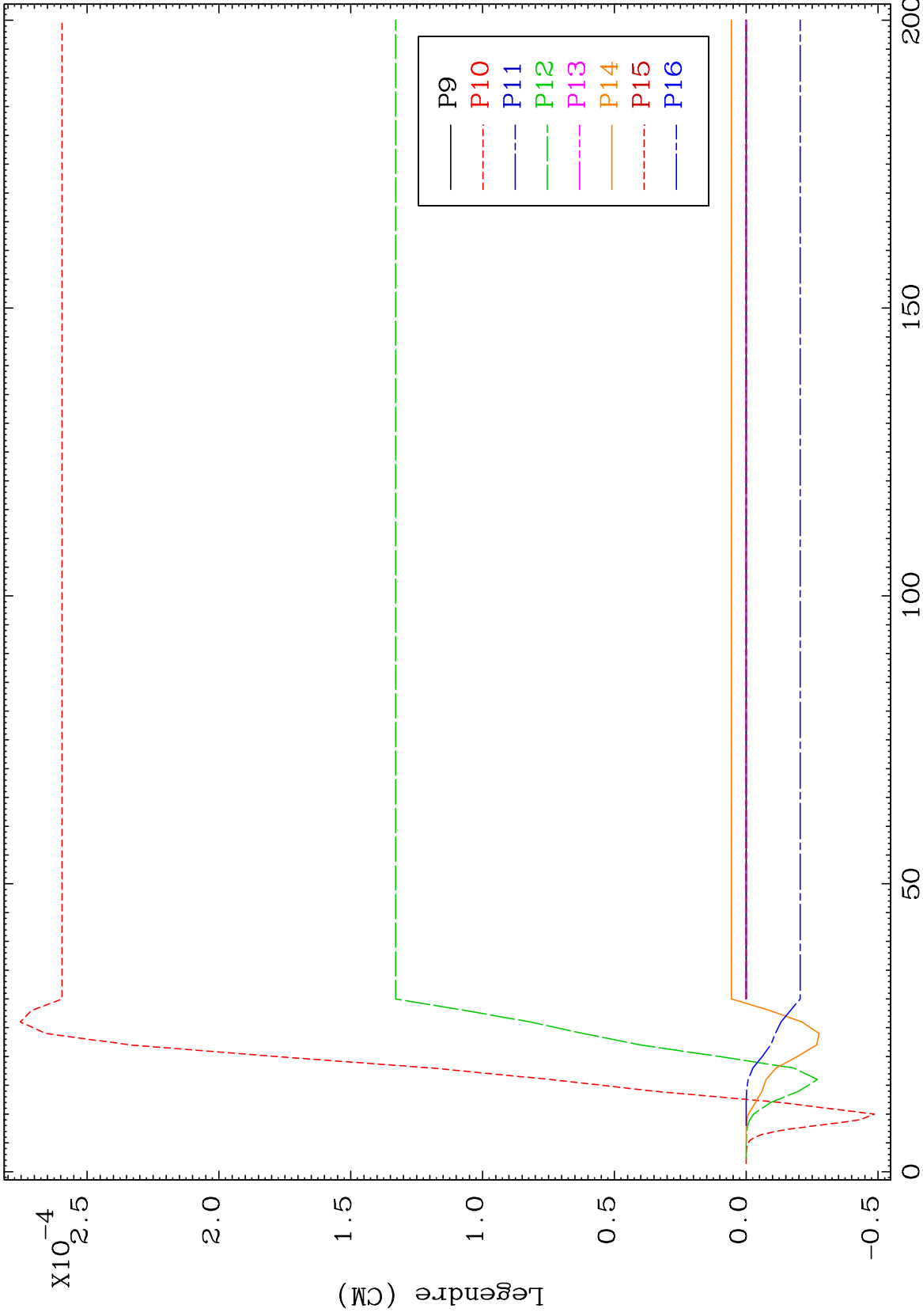
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



63

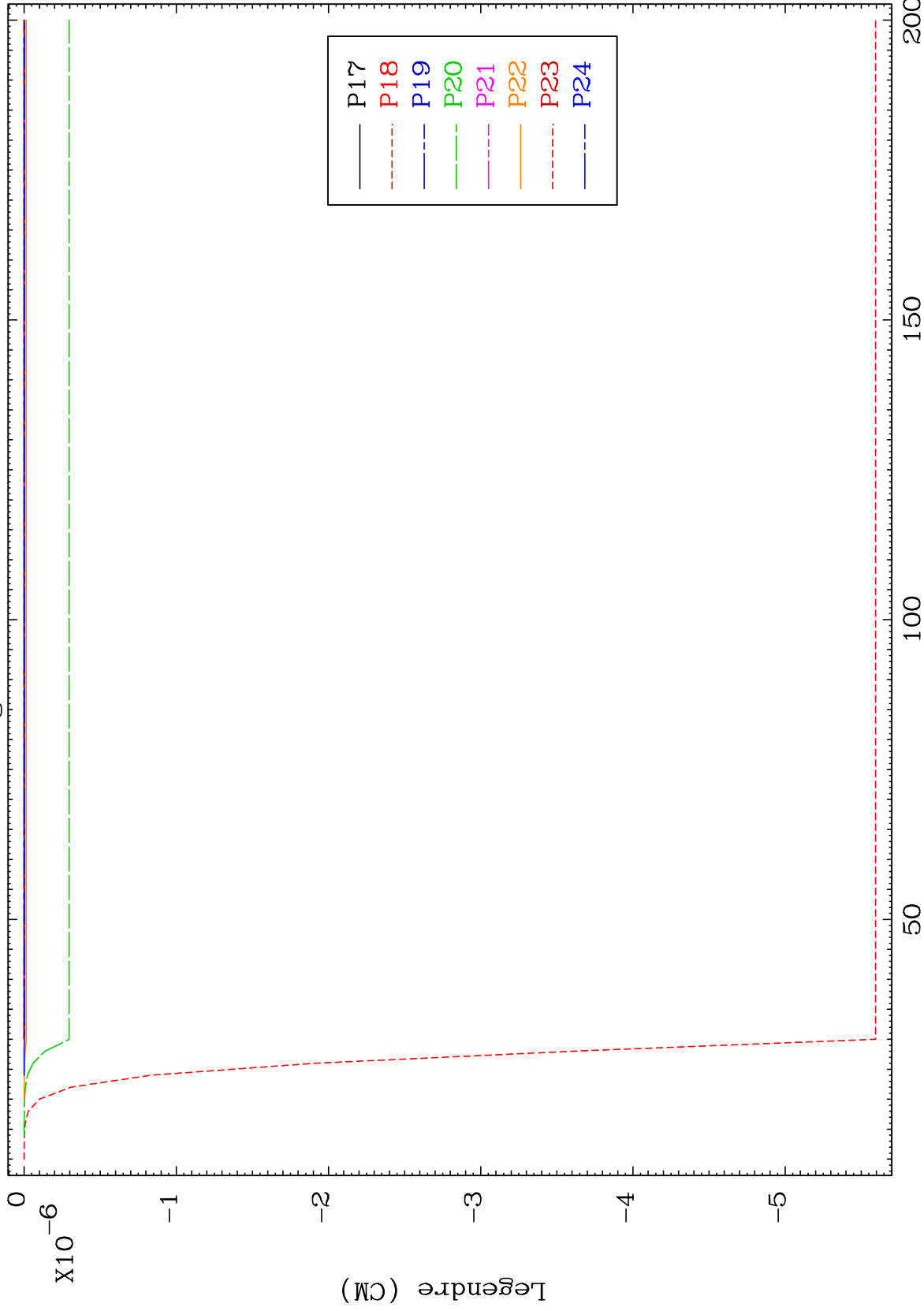
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



64

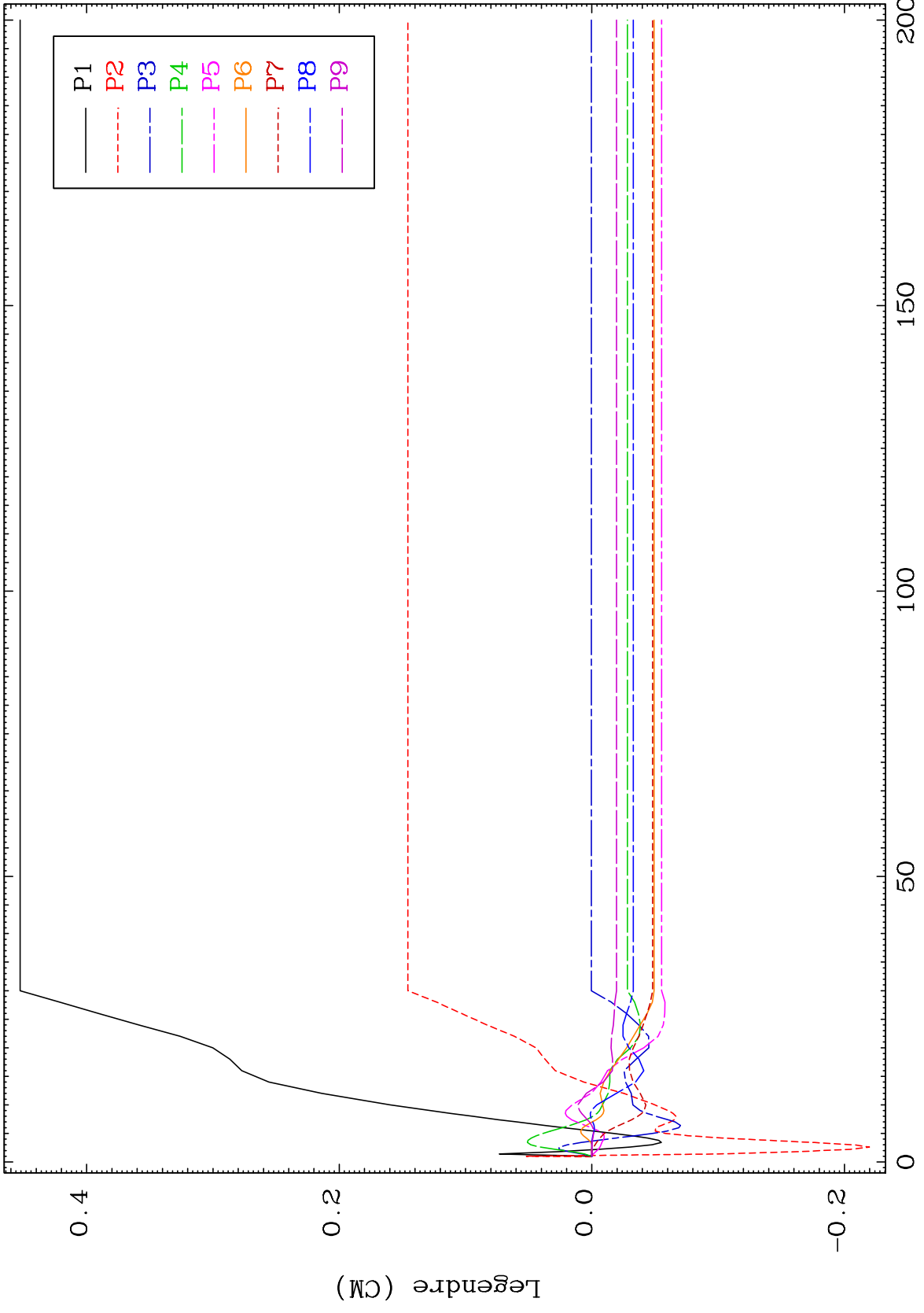
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



65

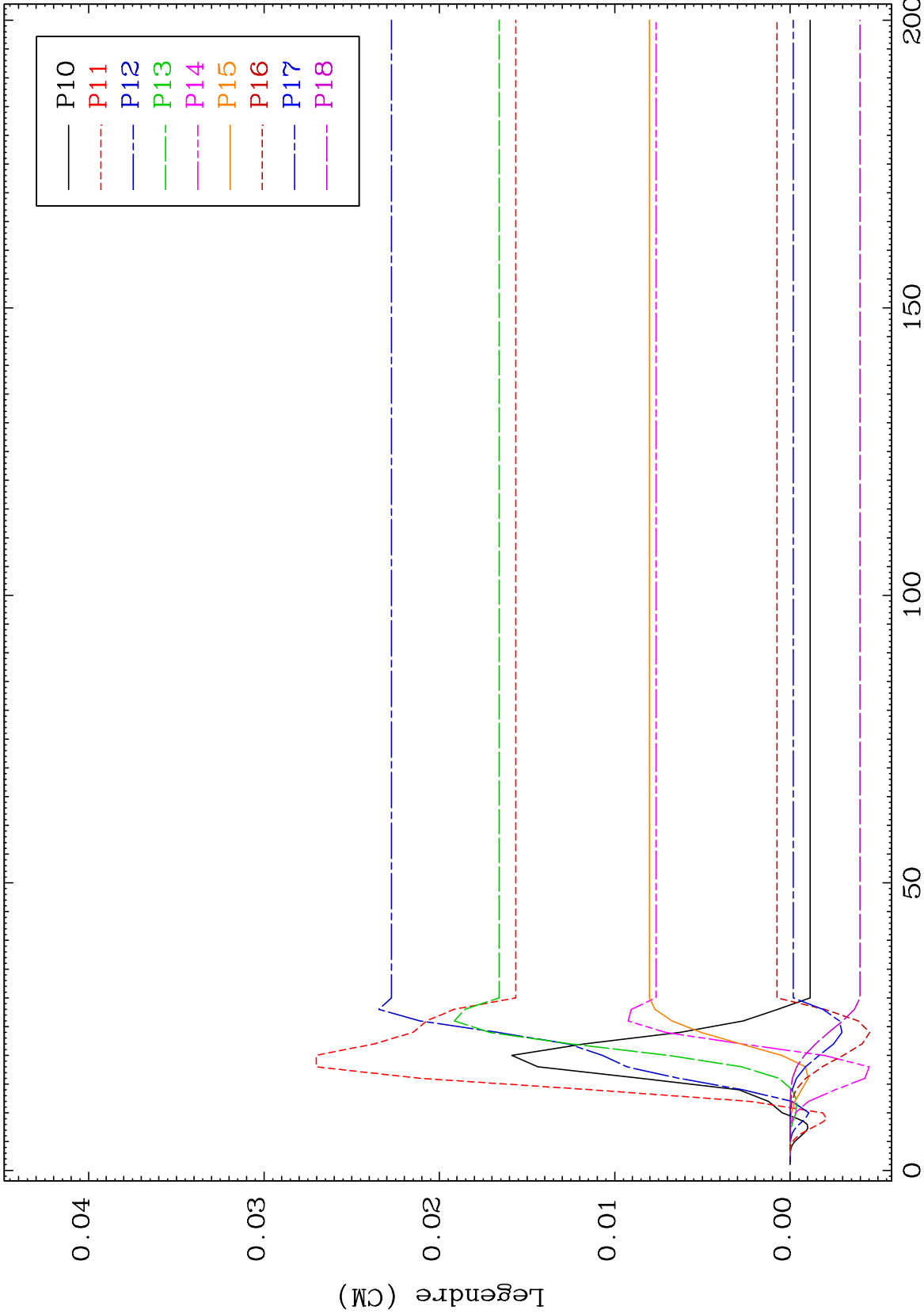
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



66

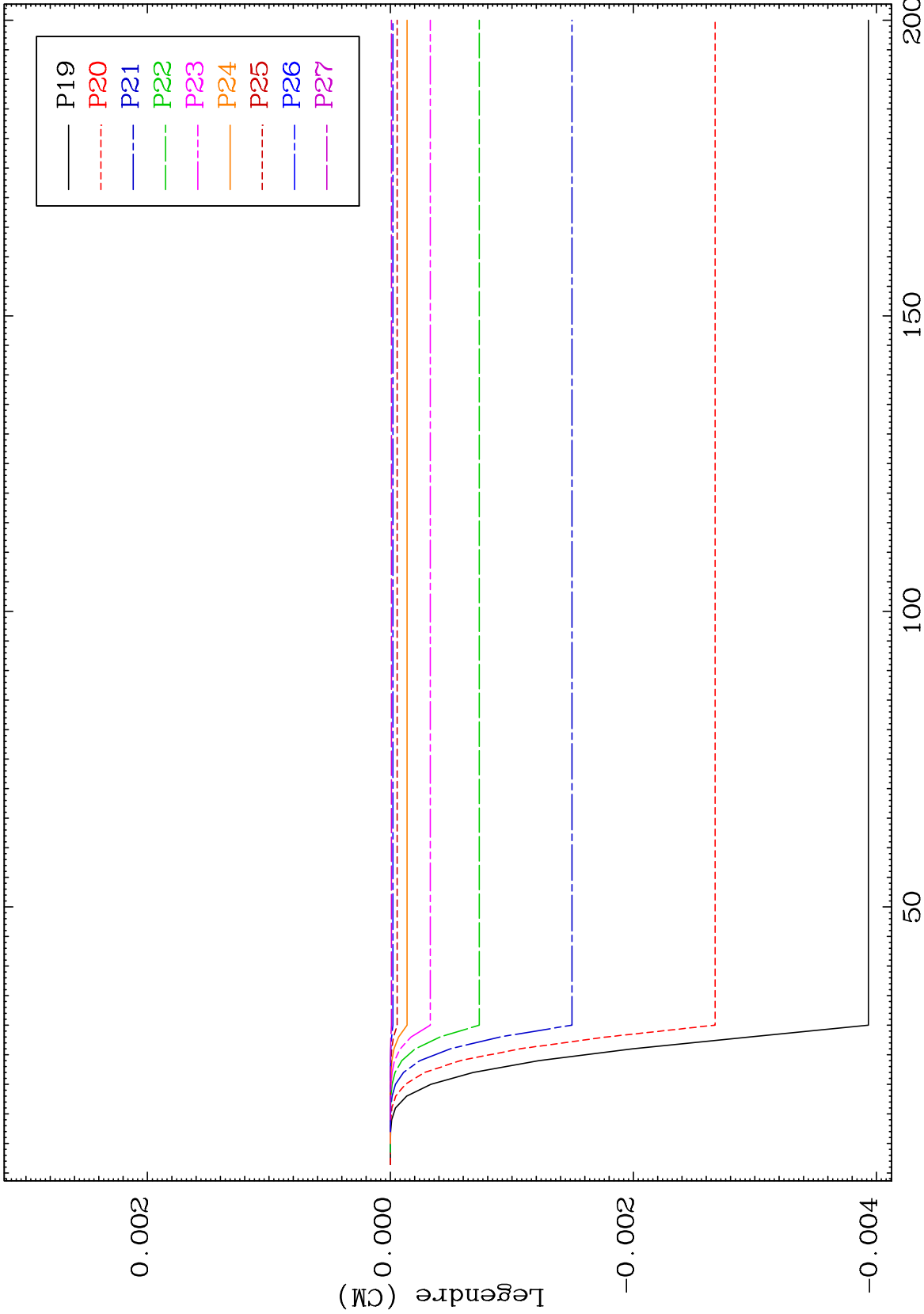
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



67

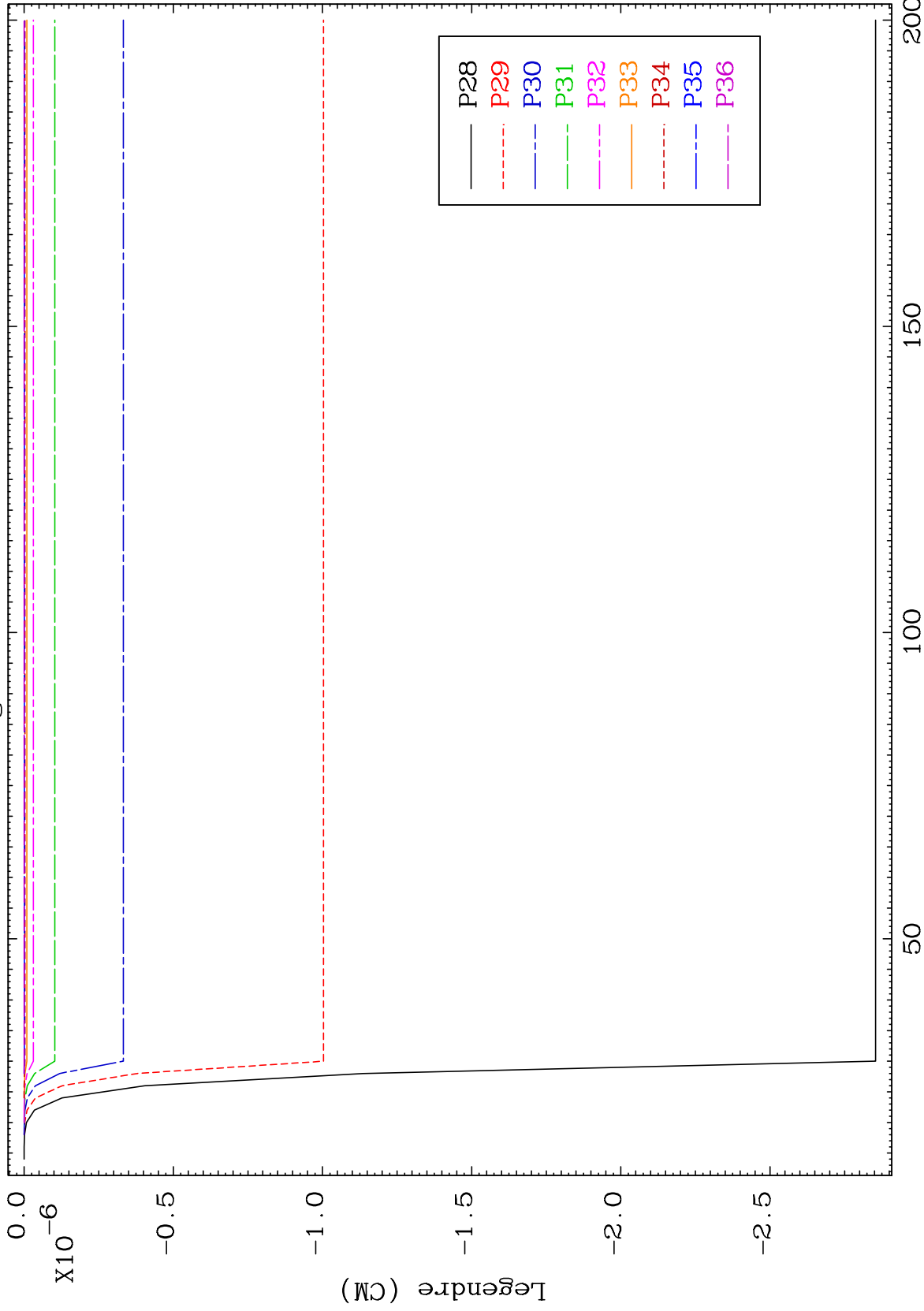
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



68

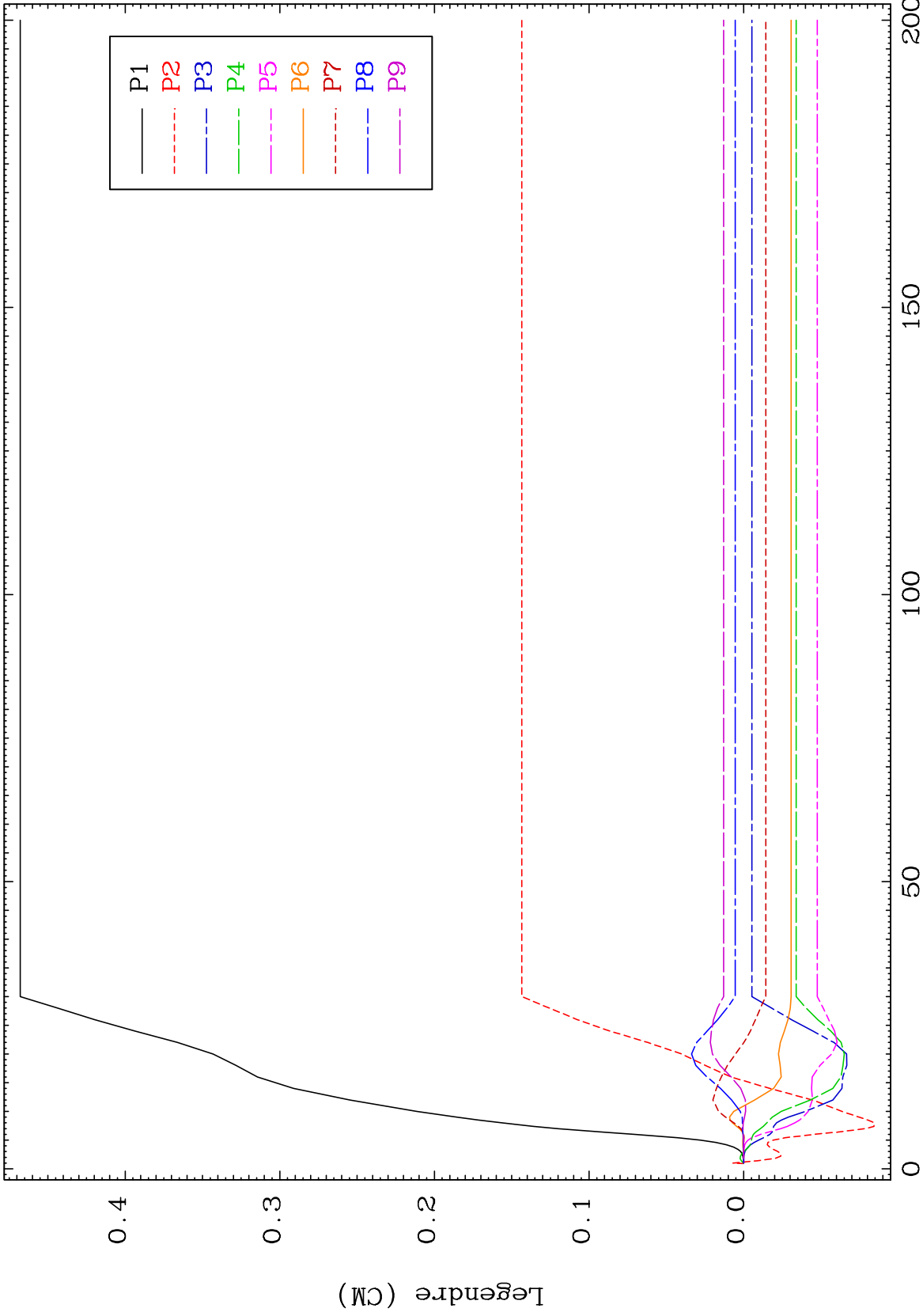
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



69

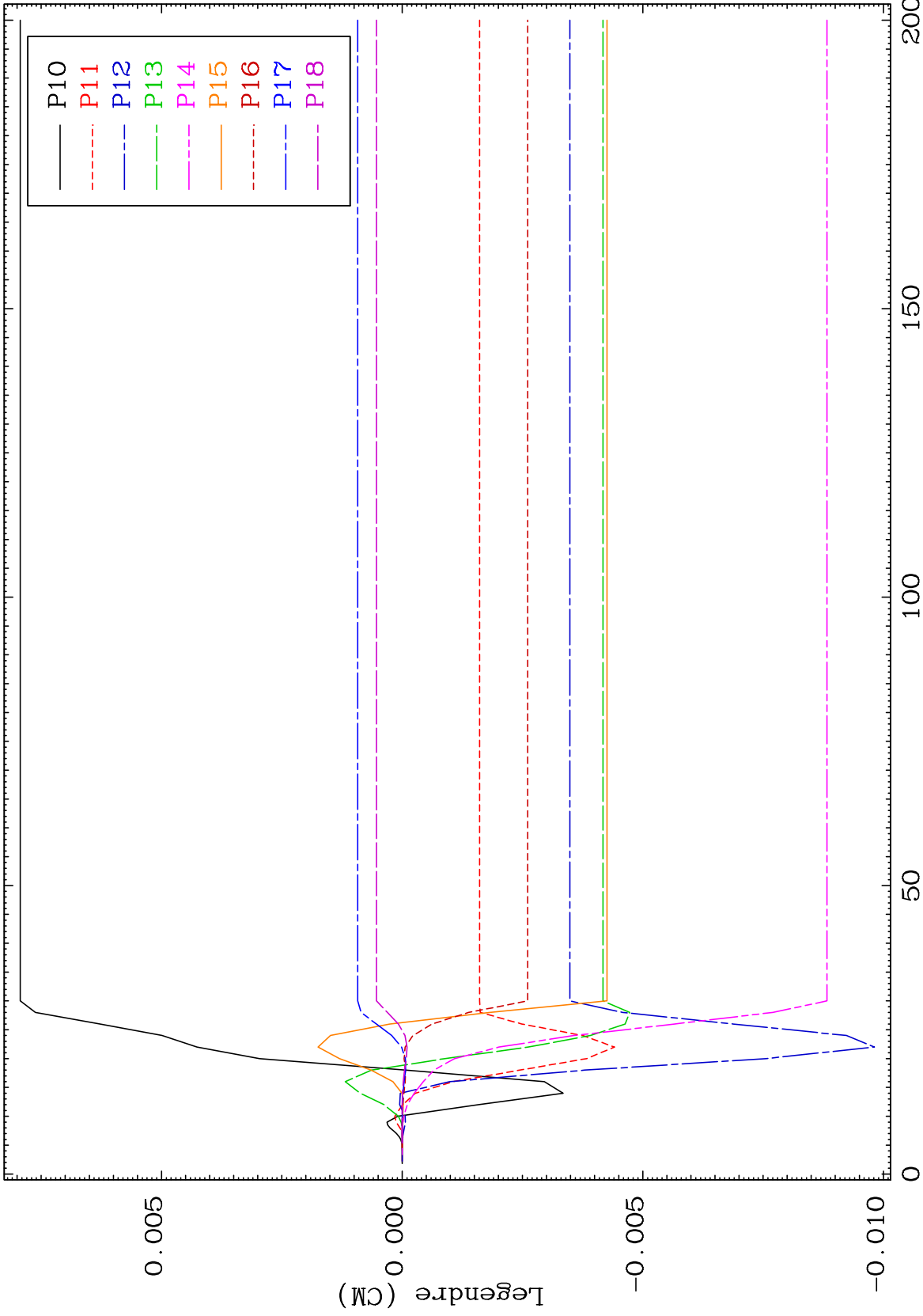
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



70

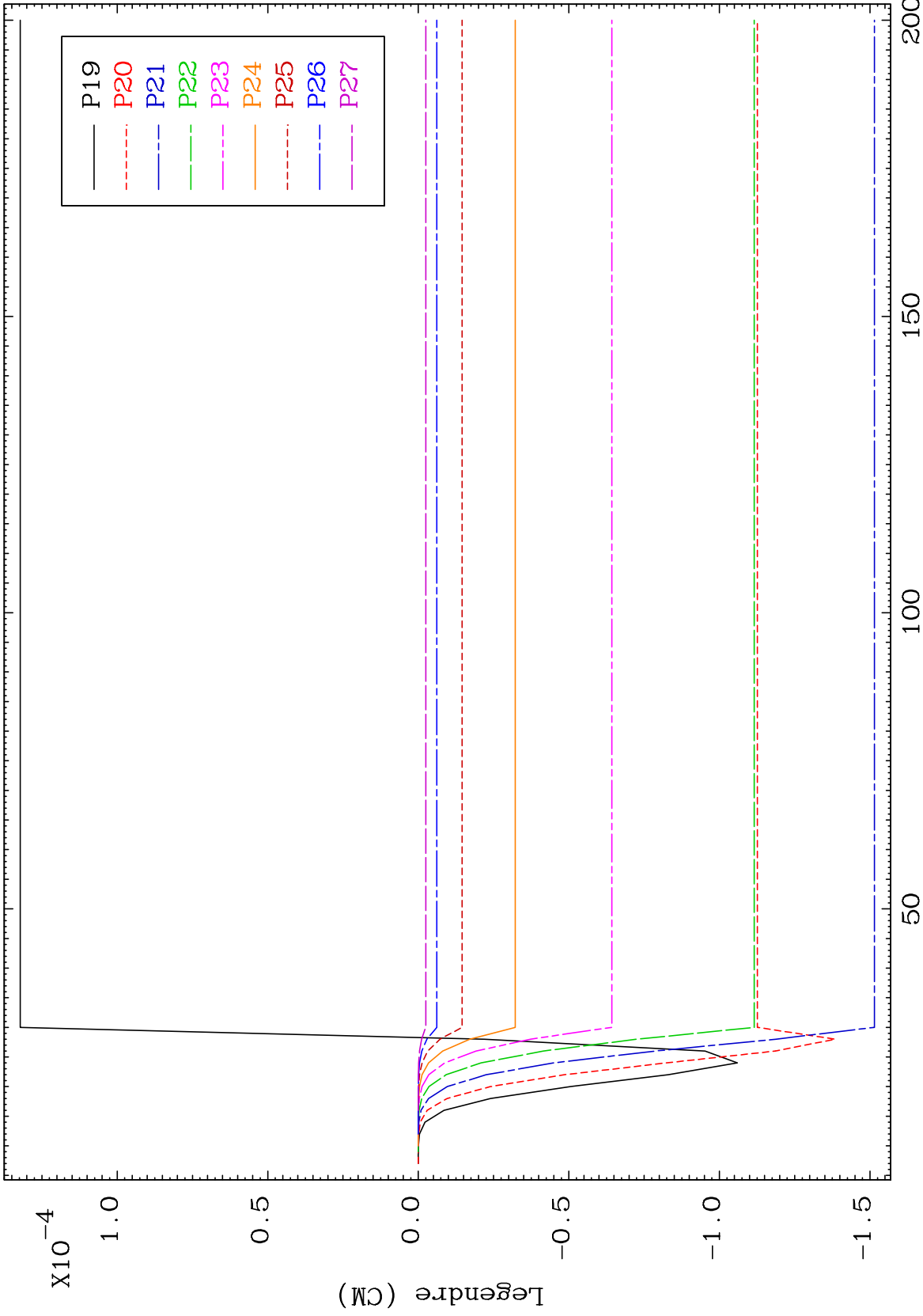
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



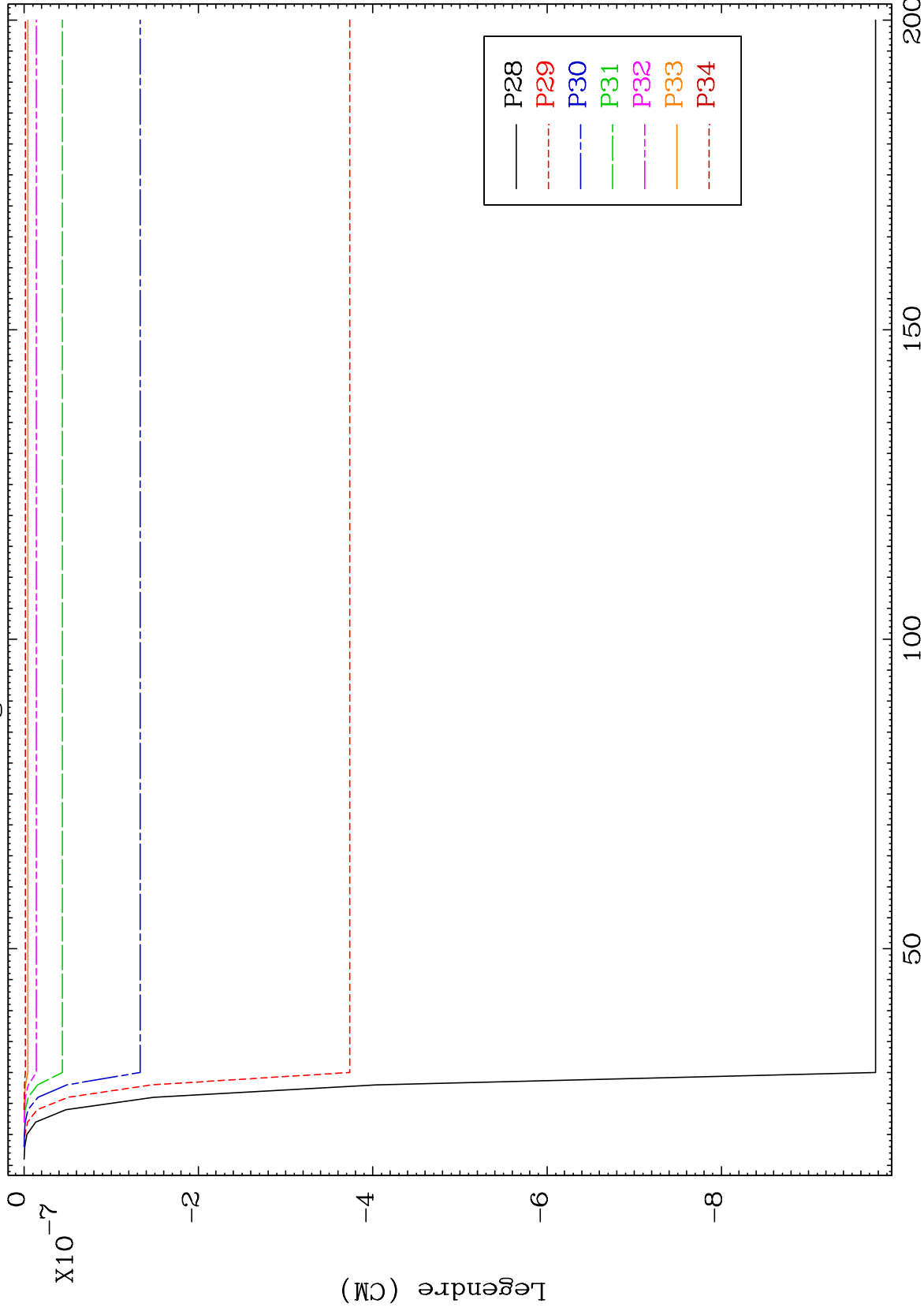
71

51-Sb-128

MAT 5146

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

51-Sb-128



72

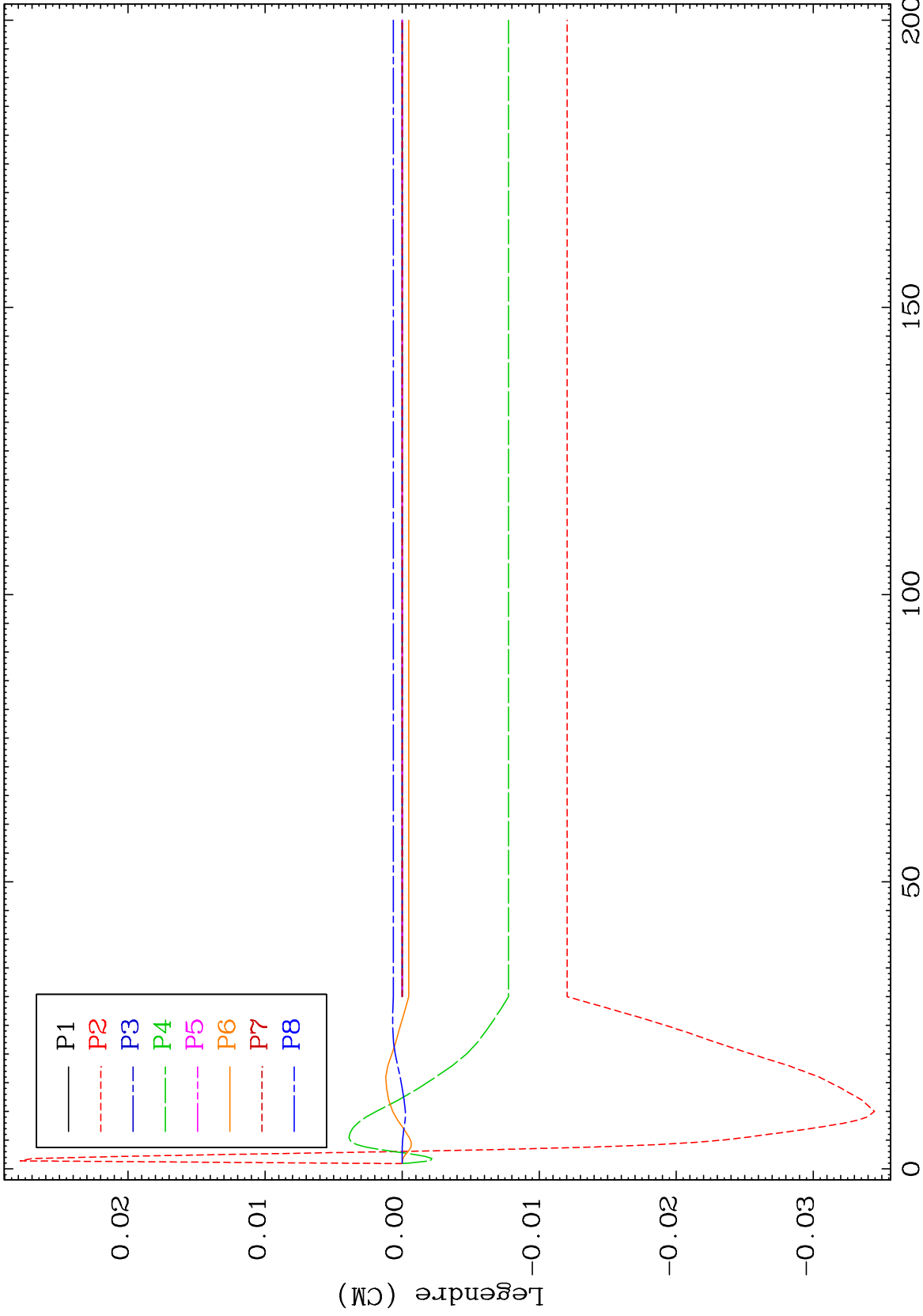
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128

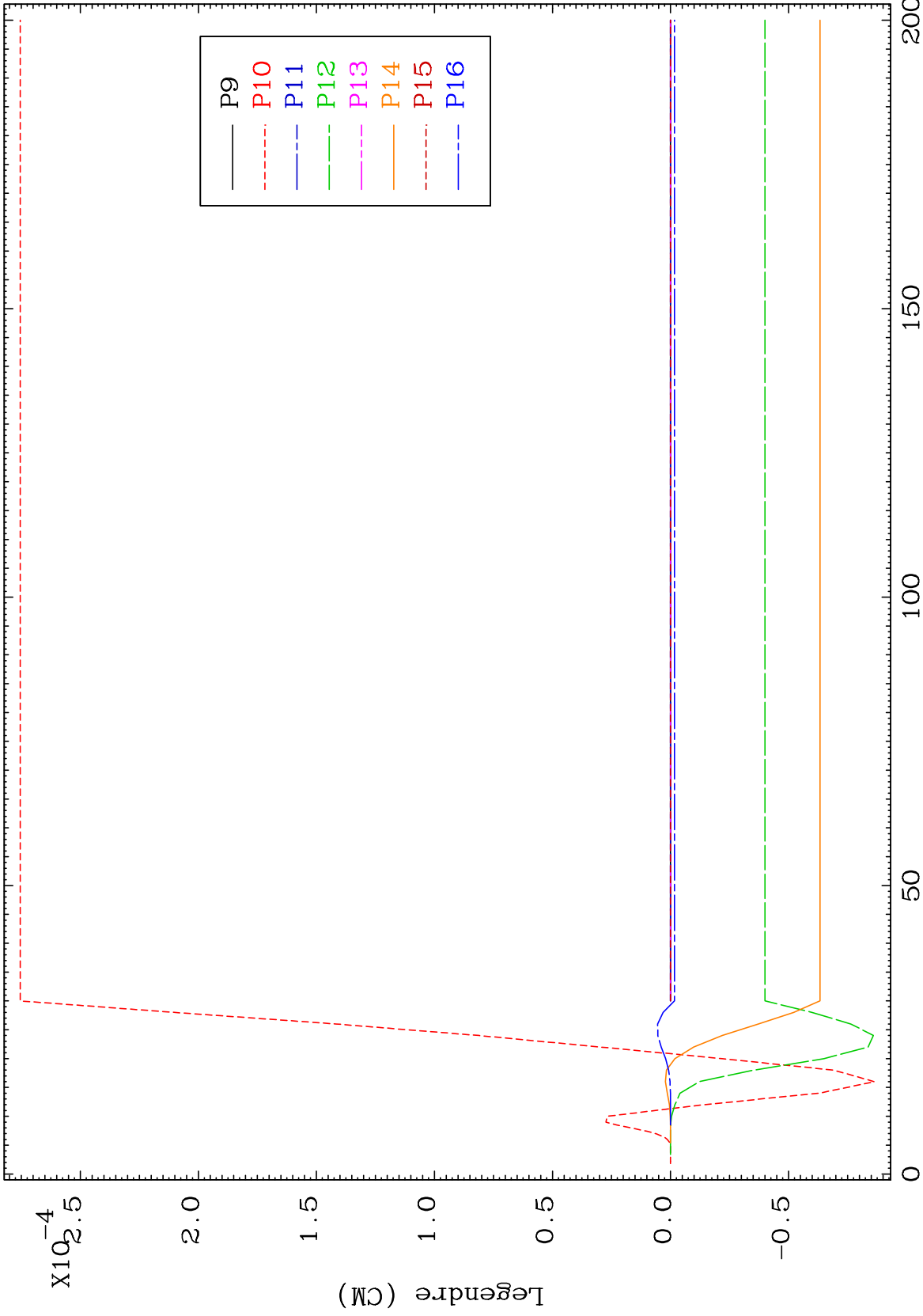


51-Sb-128

MAT 5146

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

51-Sb-128



74

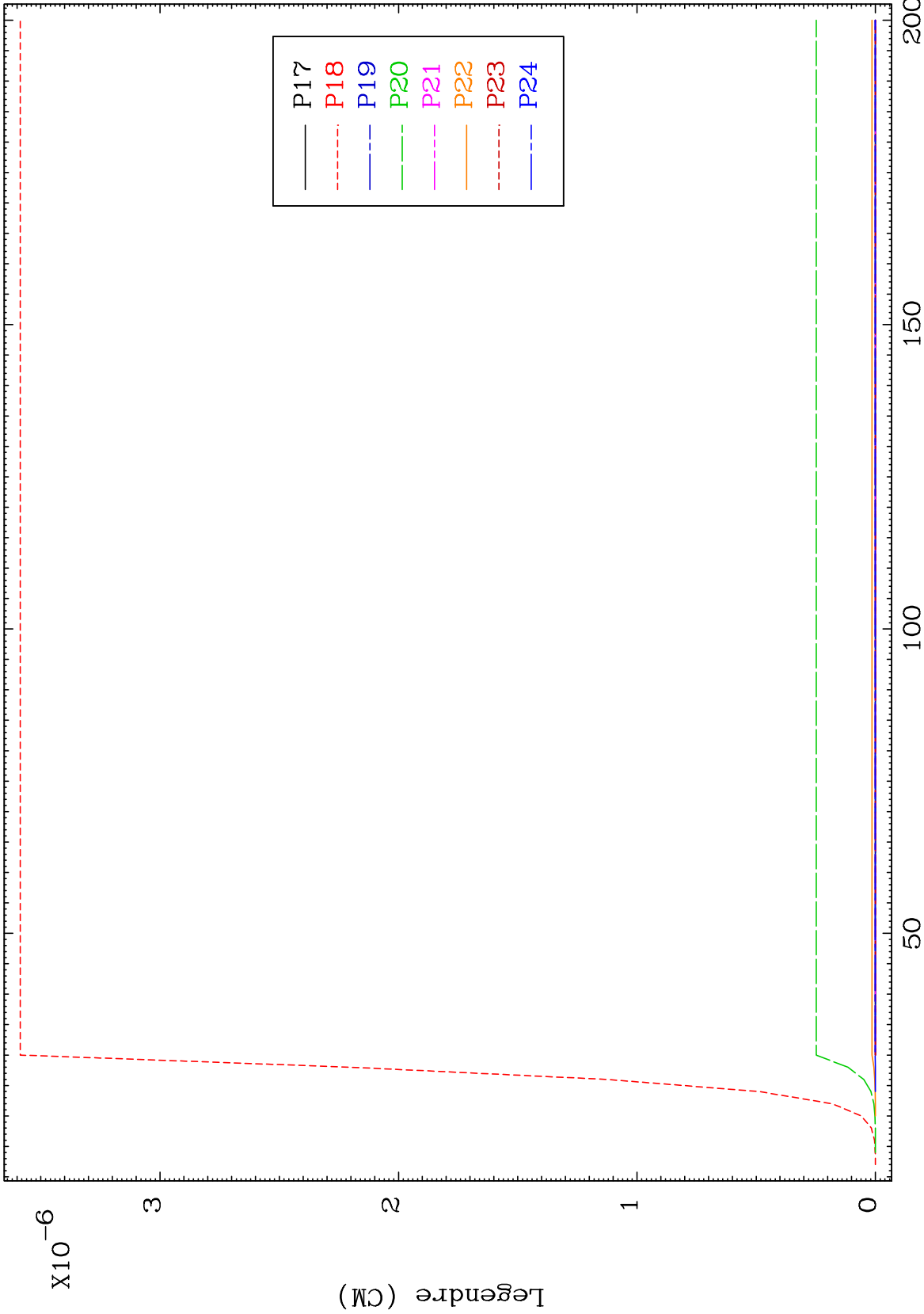
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



75

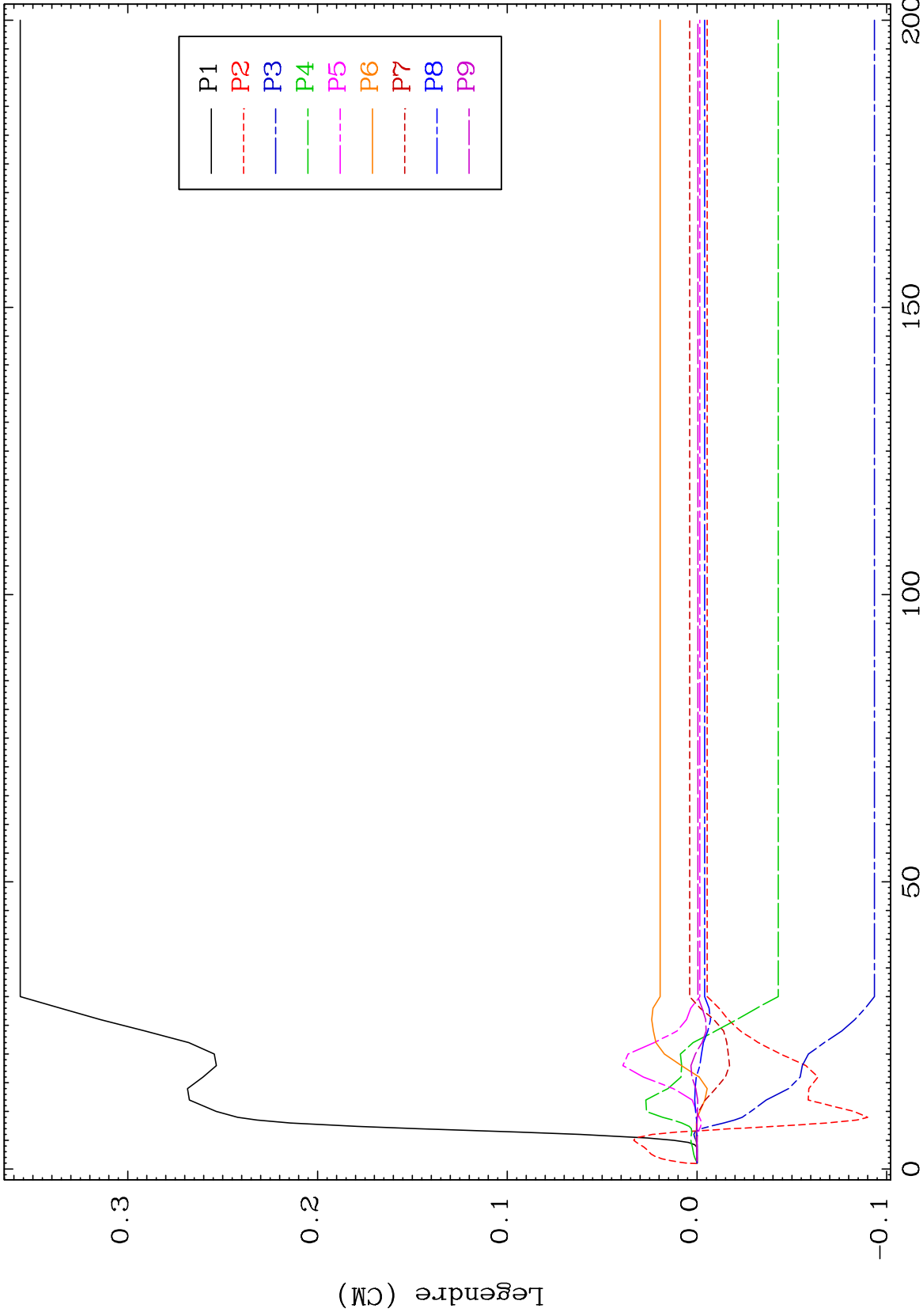
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



76

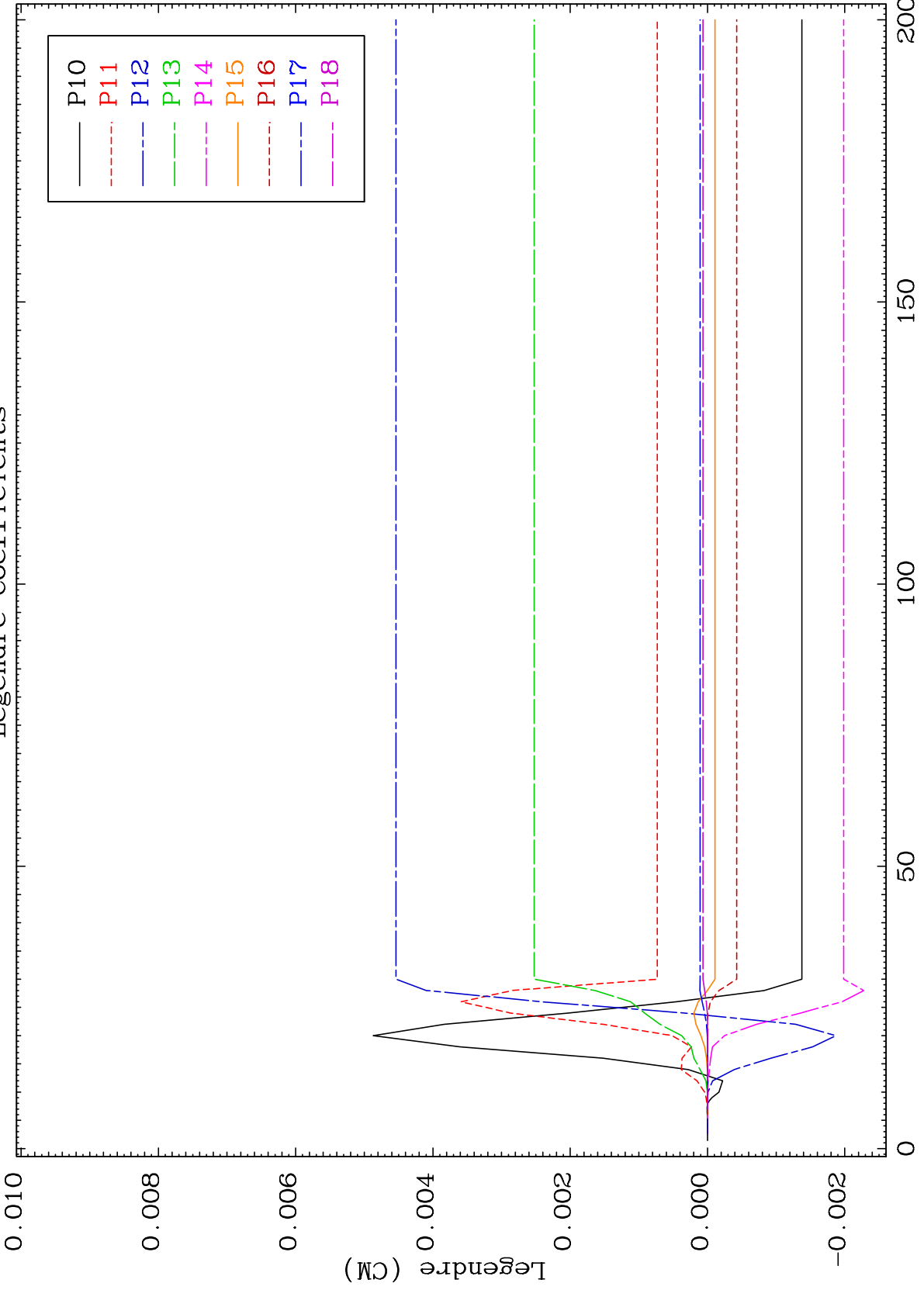
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



77

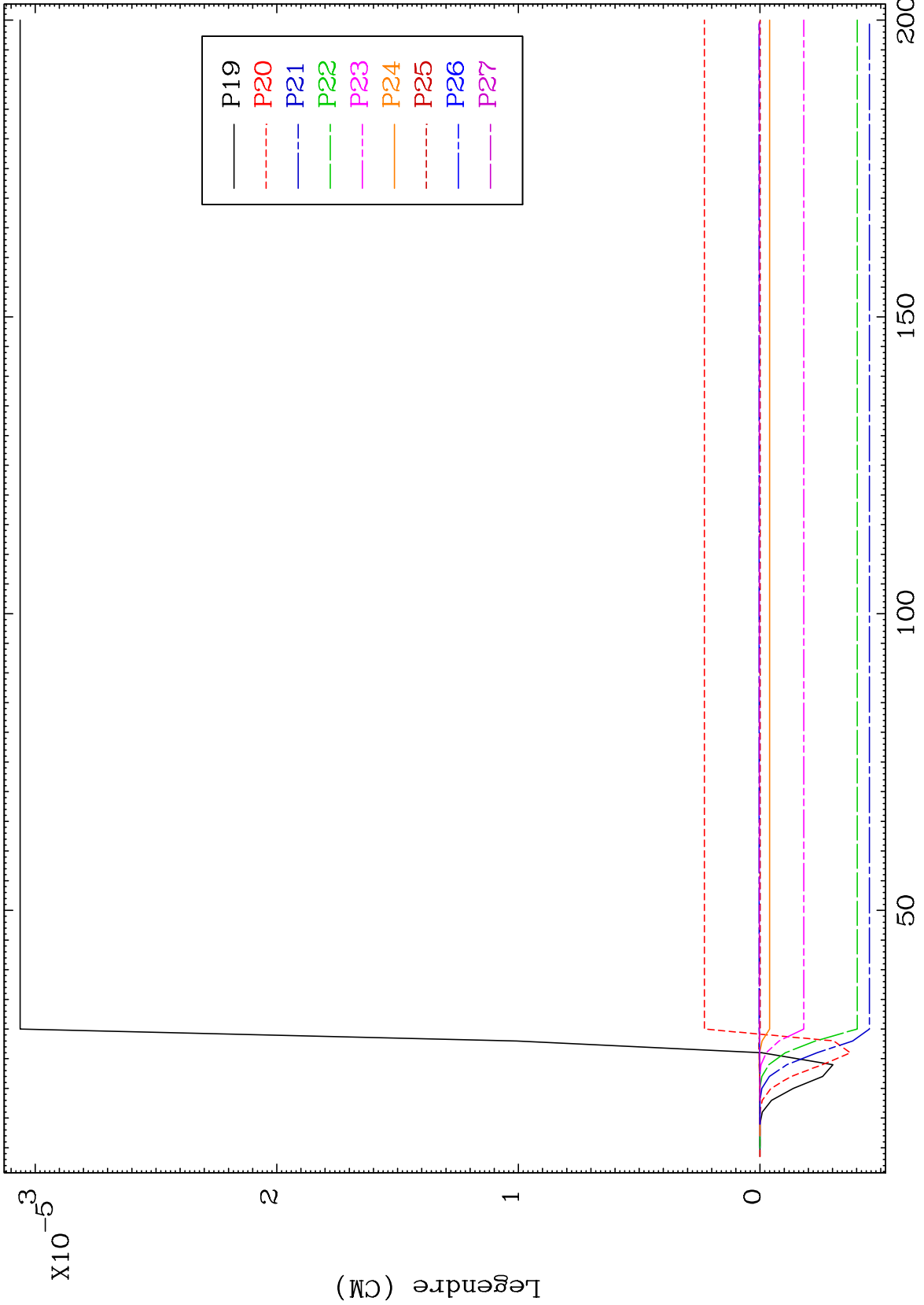
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



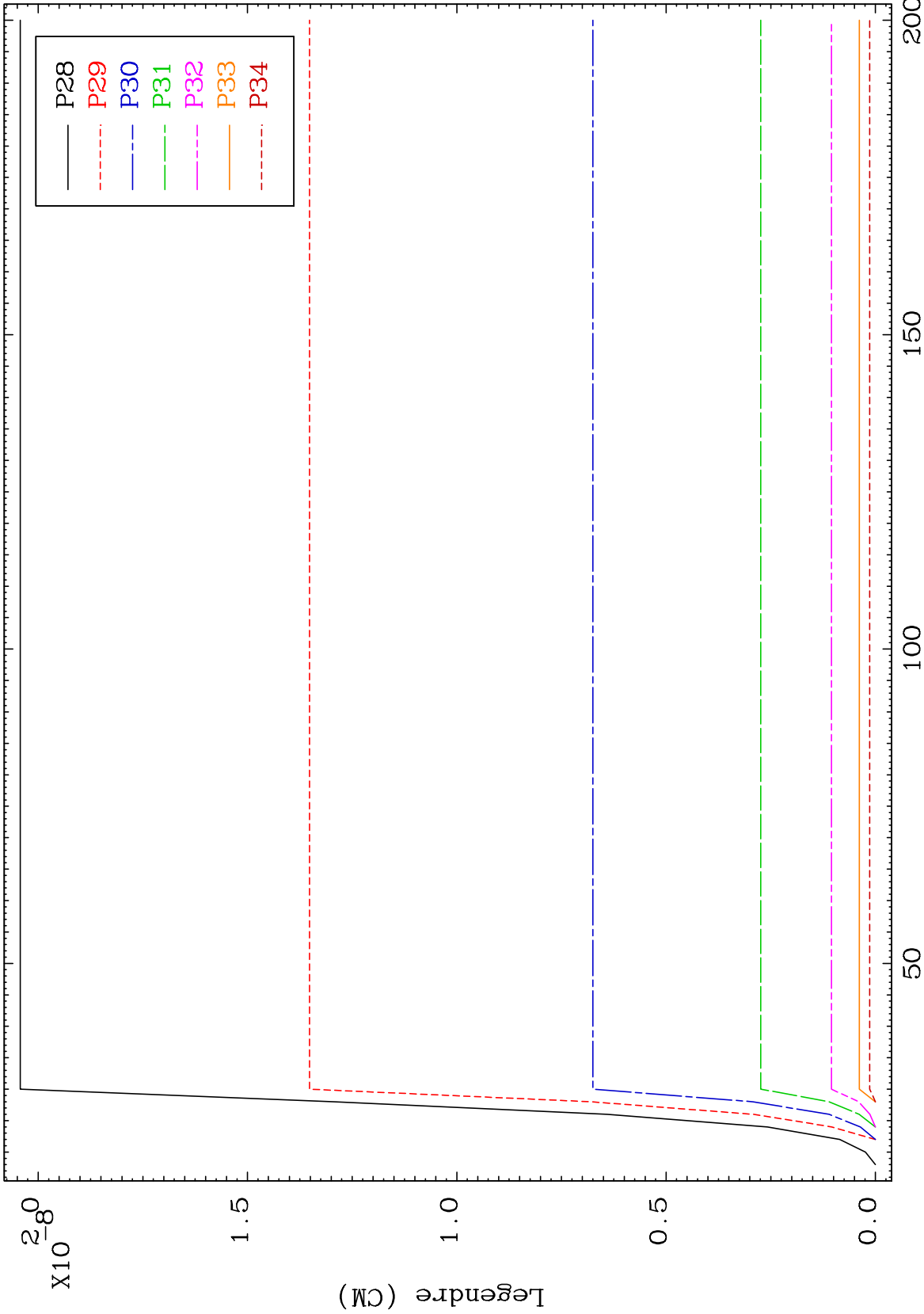
78

51-Sb-128

MAT 5146

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

51-Sb-128



79

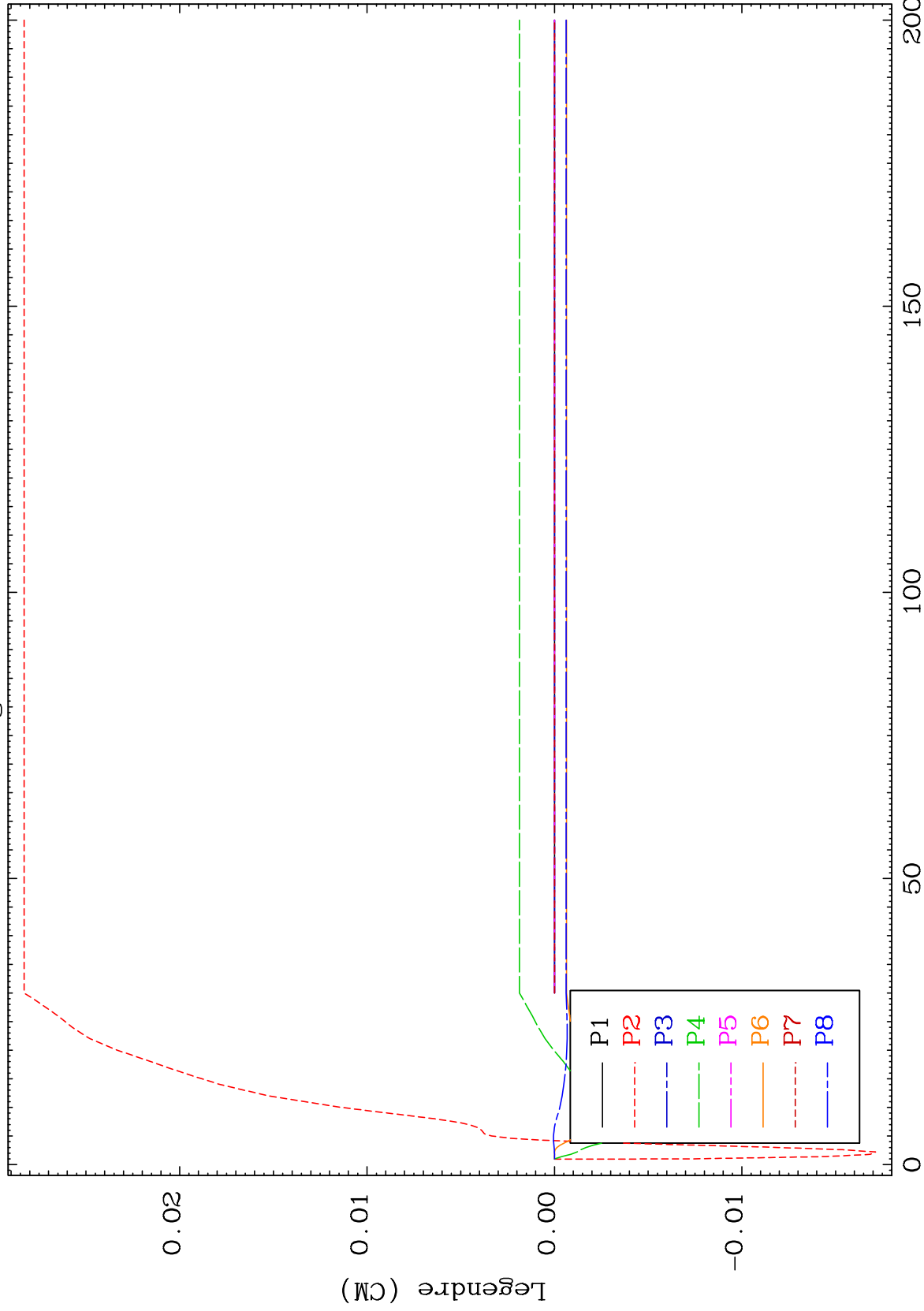
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



80

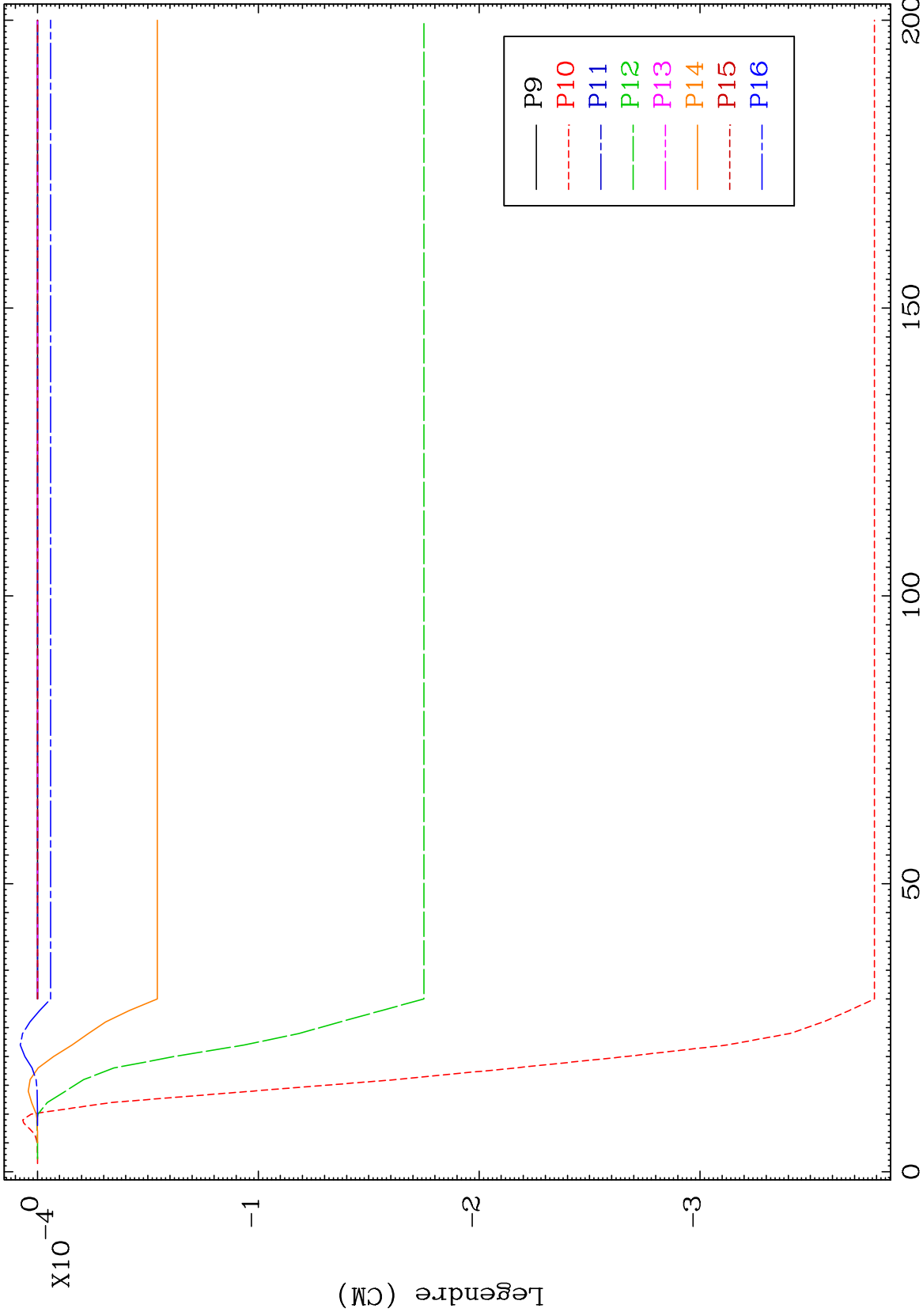
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128

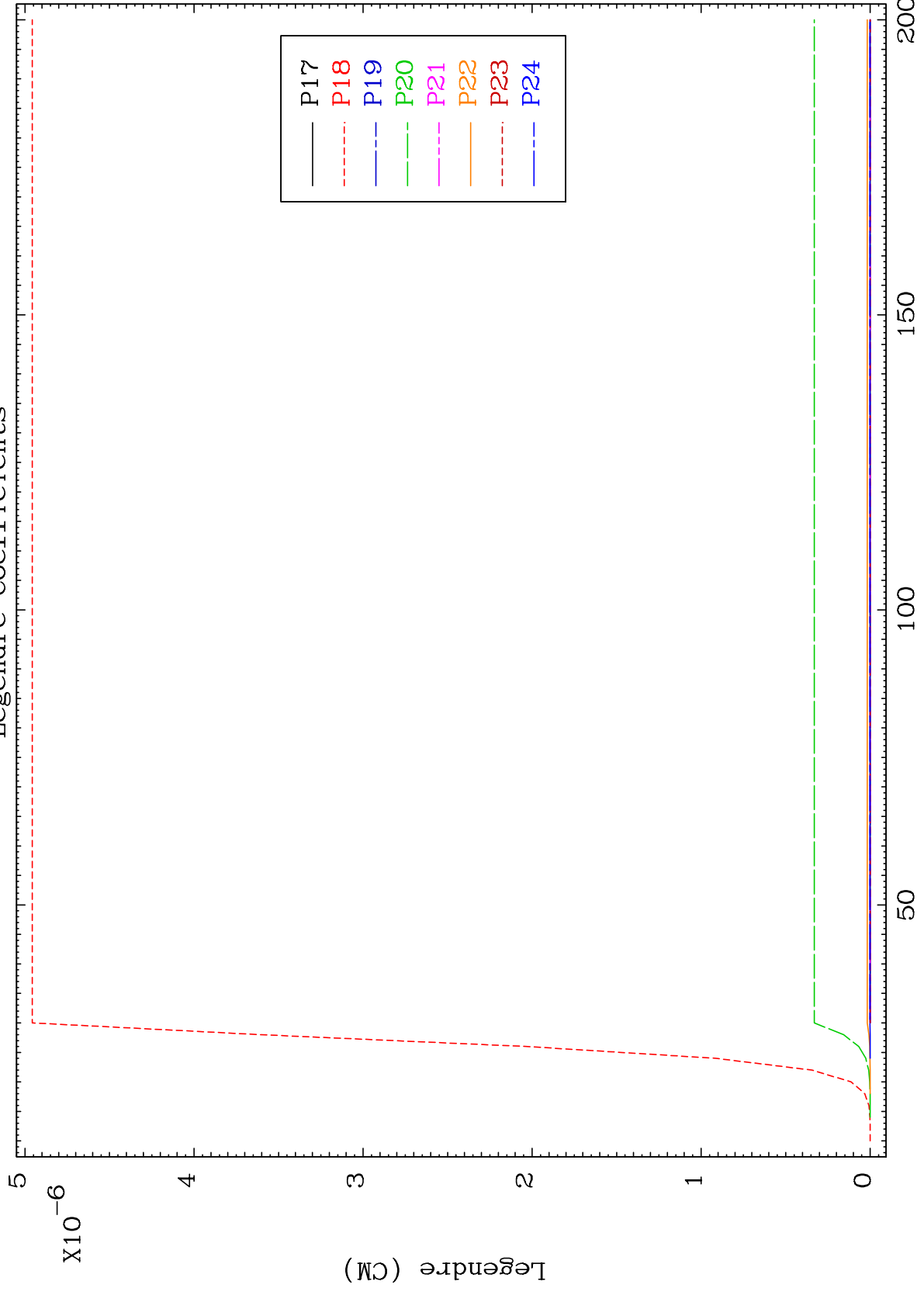


81

Incident Energy (MeV)

51-Sb-128

MAT 5146 MT= 68 (n,n') Level Legendre Coefficients 51-Sb-128

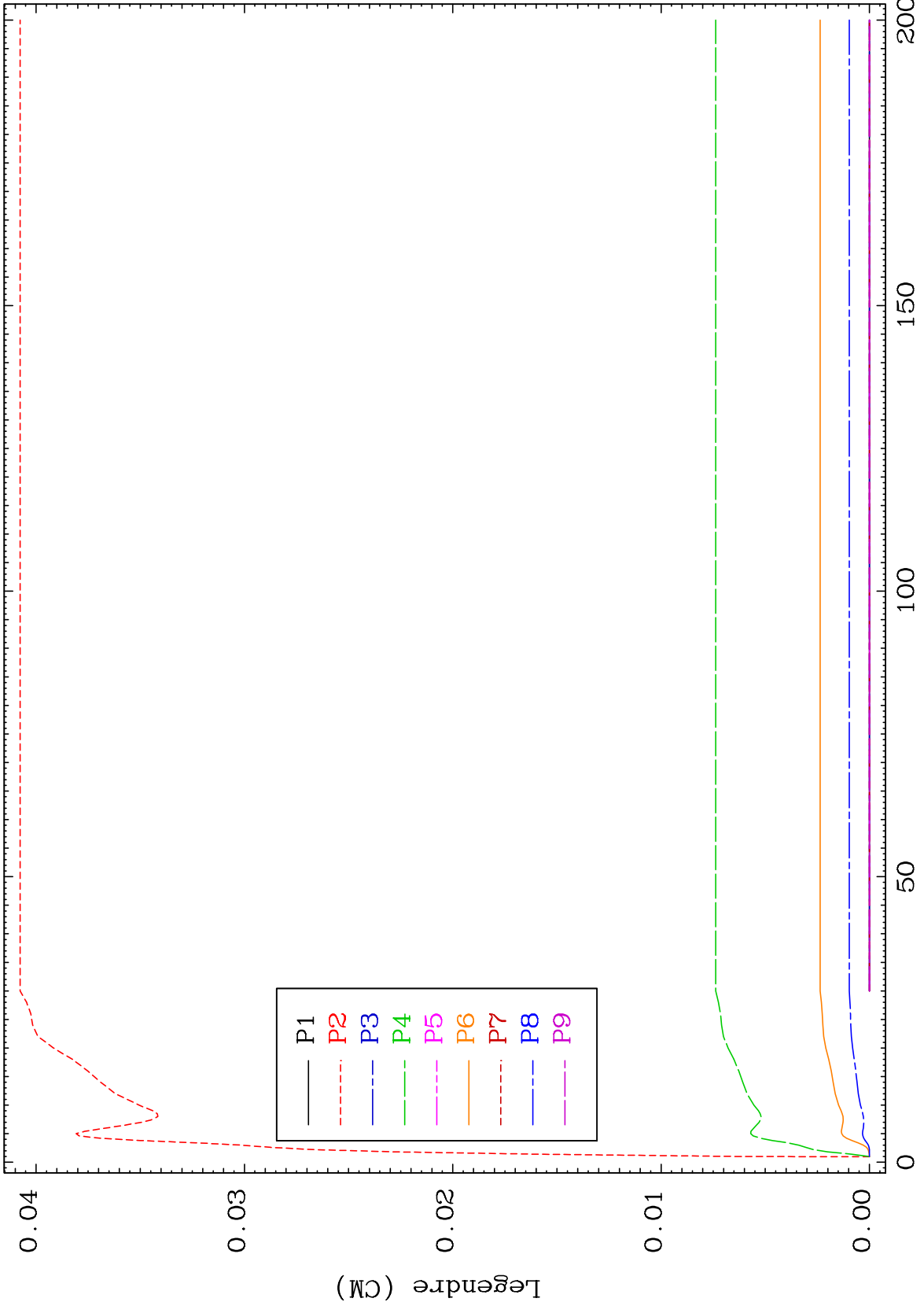


82 51-Sb-128

MAT 5146

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

51-Sb-128



83

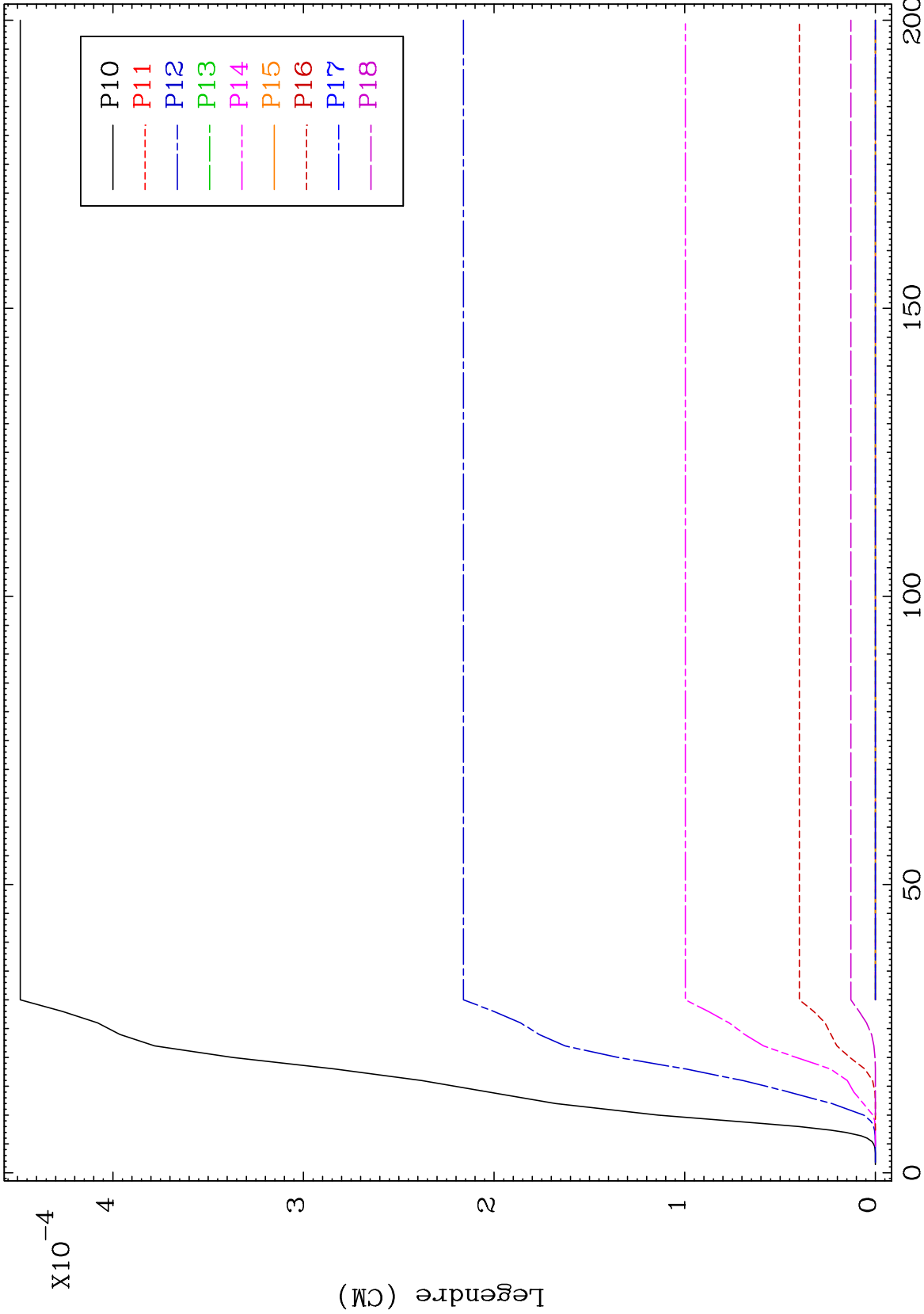
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



84

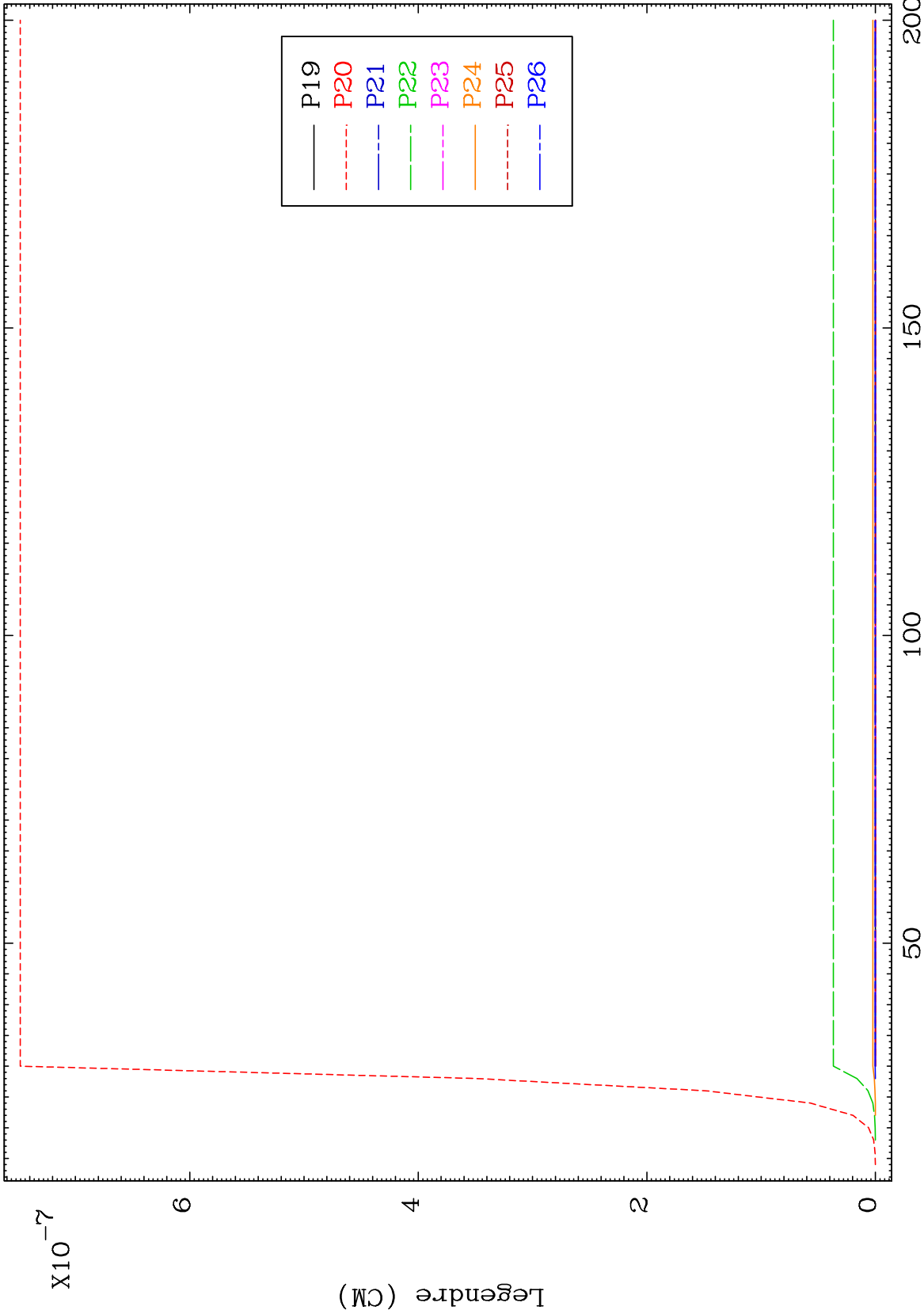
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



85

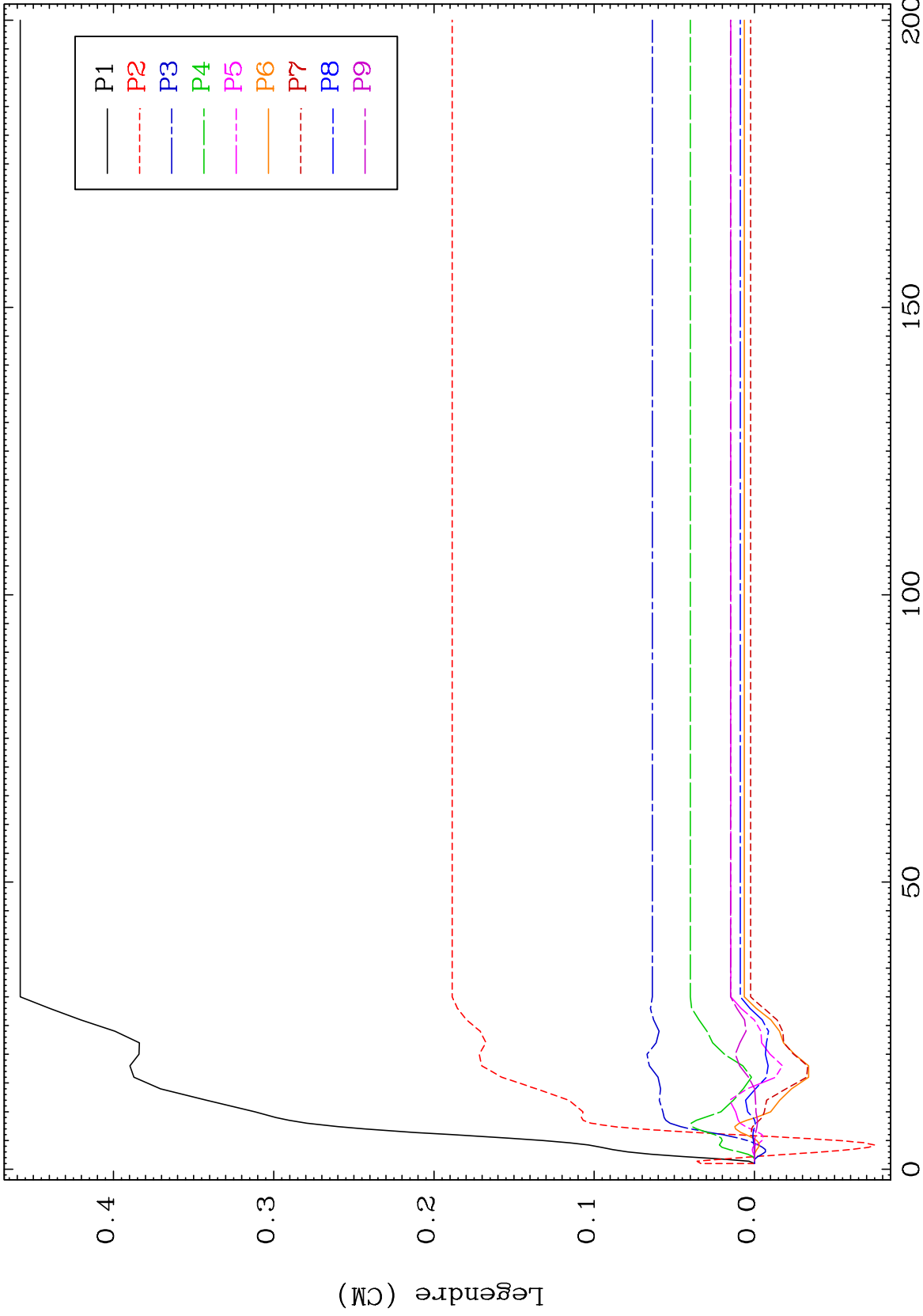
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



86

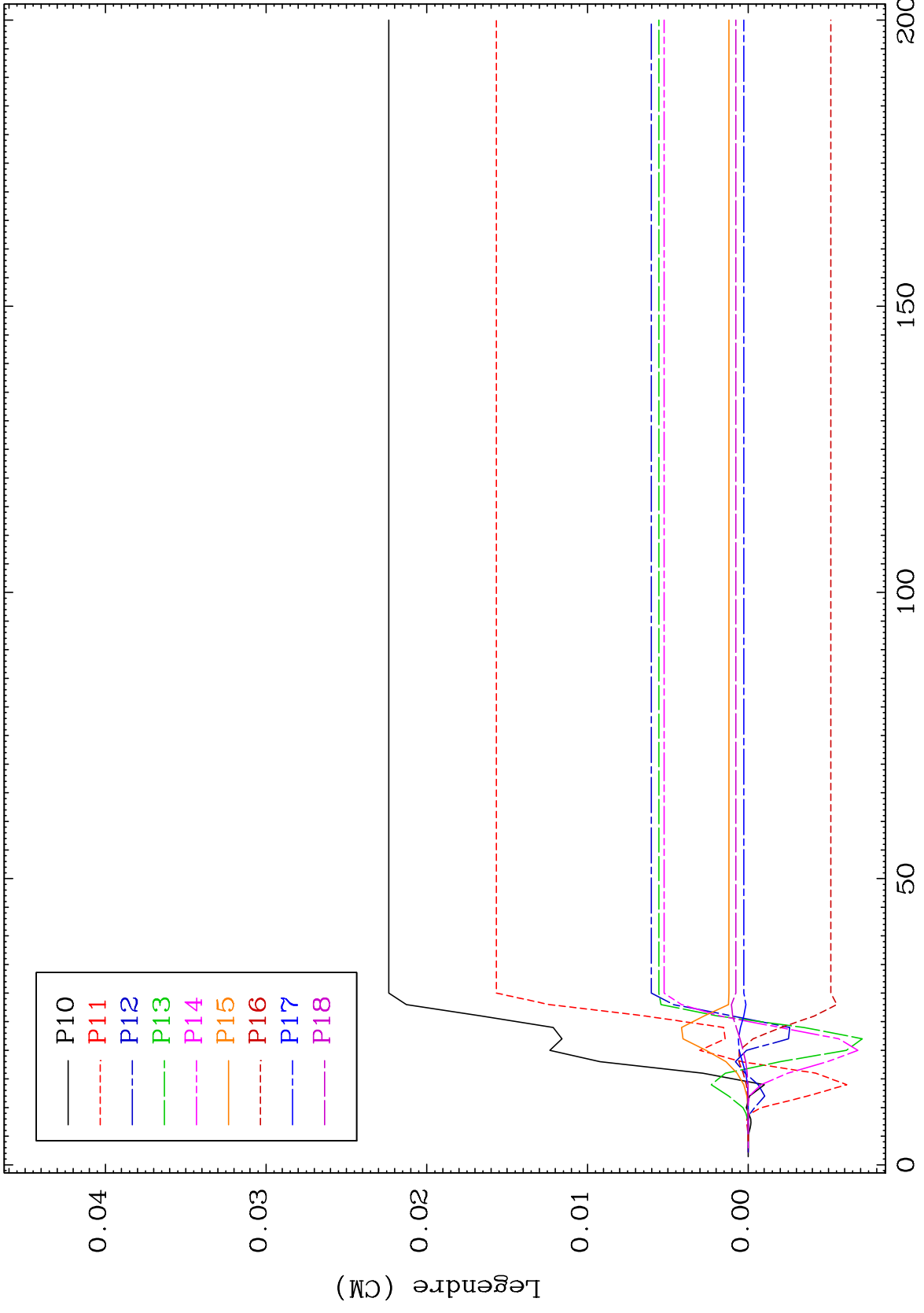
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



87

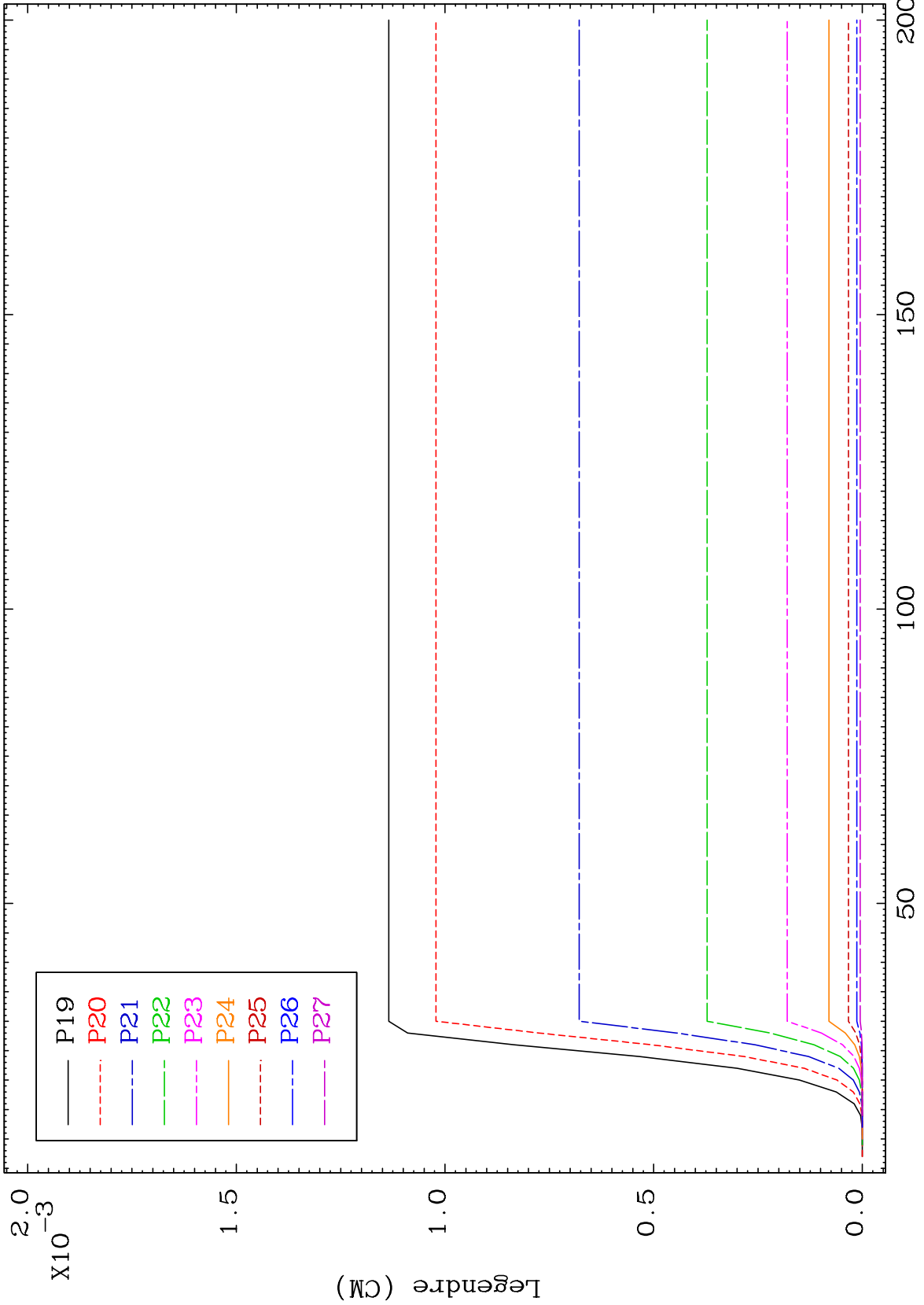
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

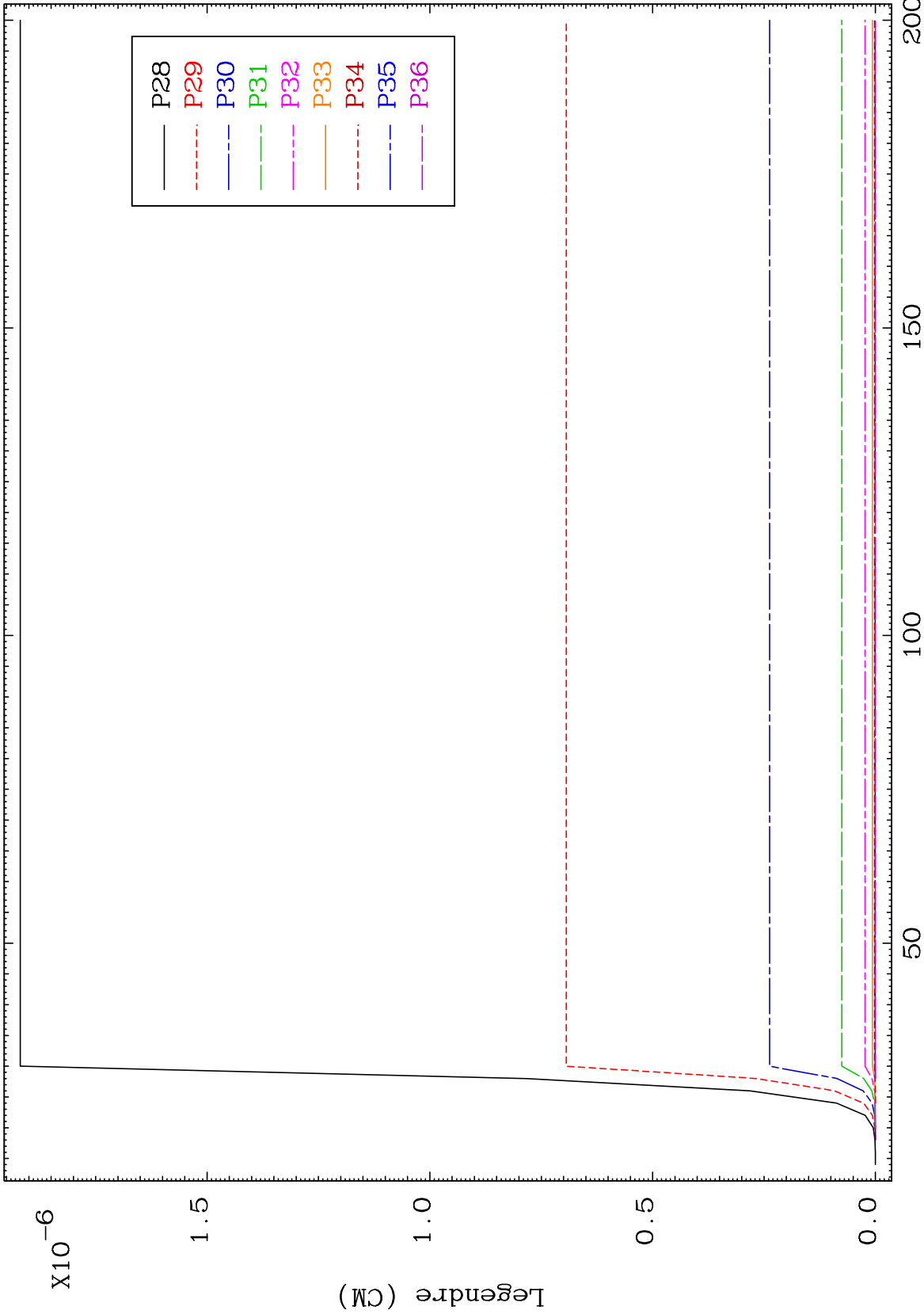
51-Sb-128



MAT 5146

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

51-Sb-128



89

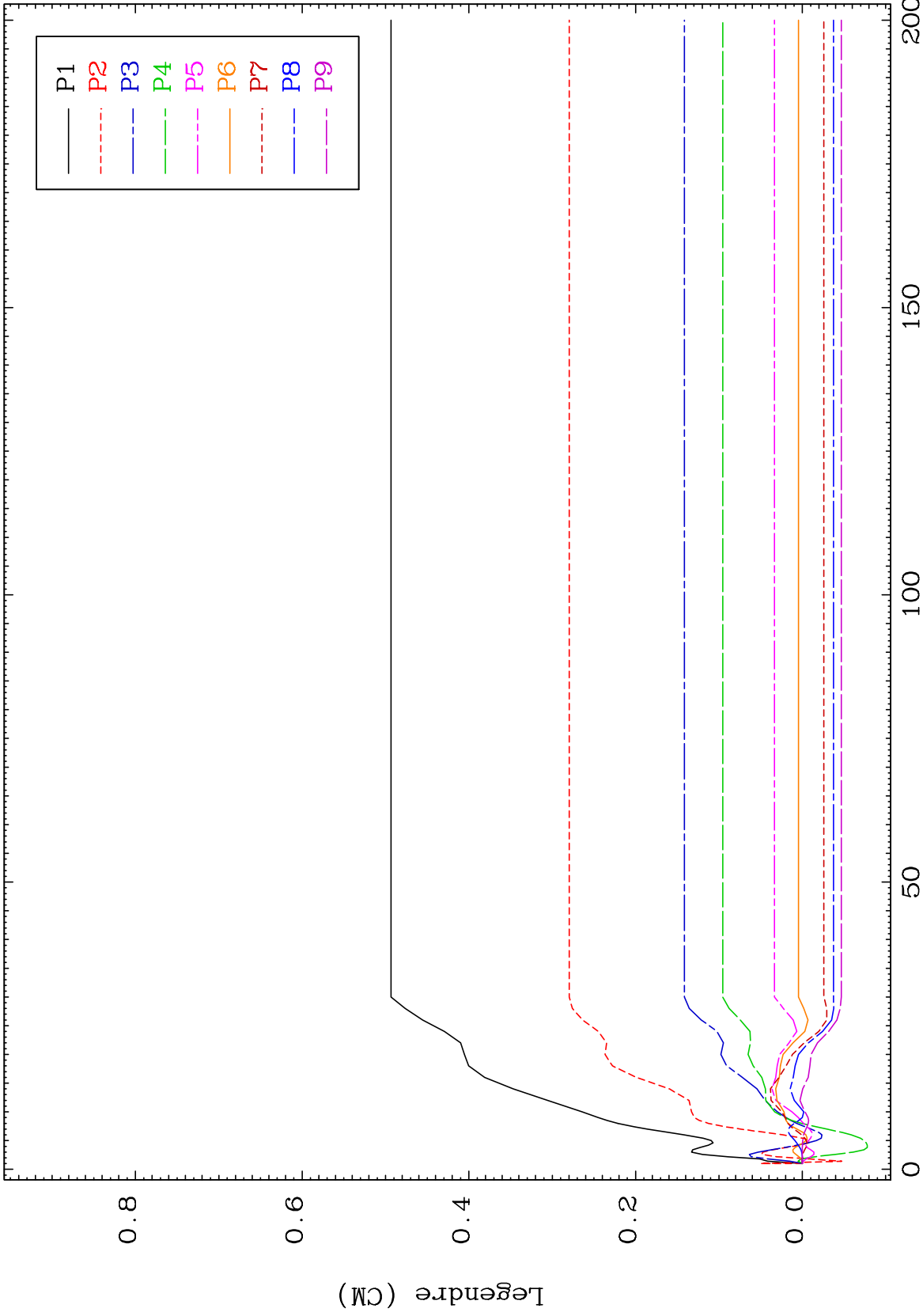
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



90

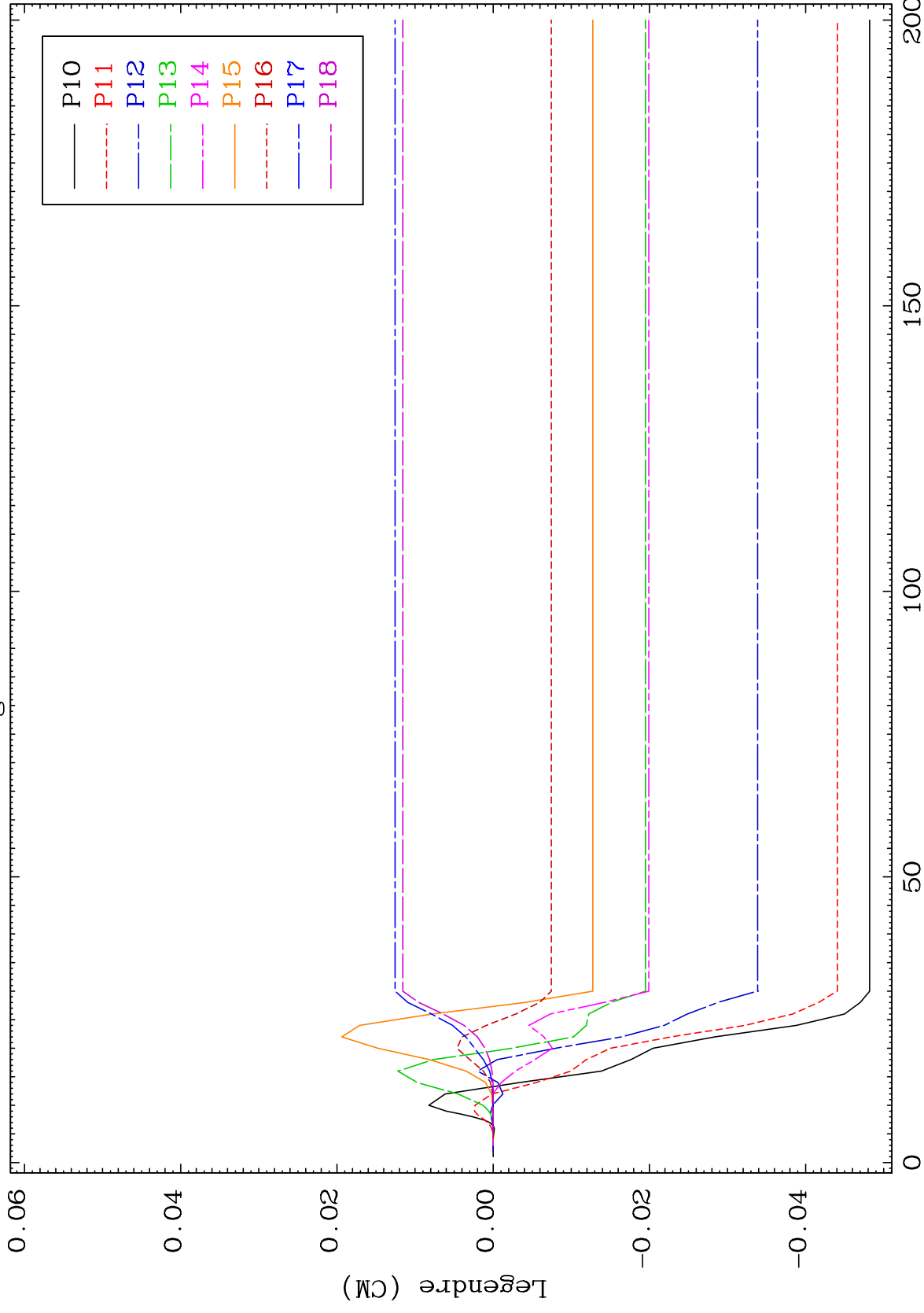
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



91

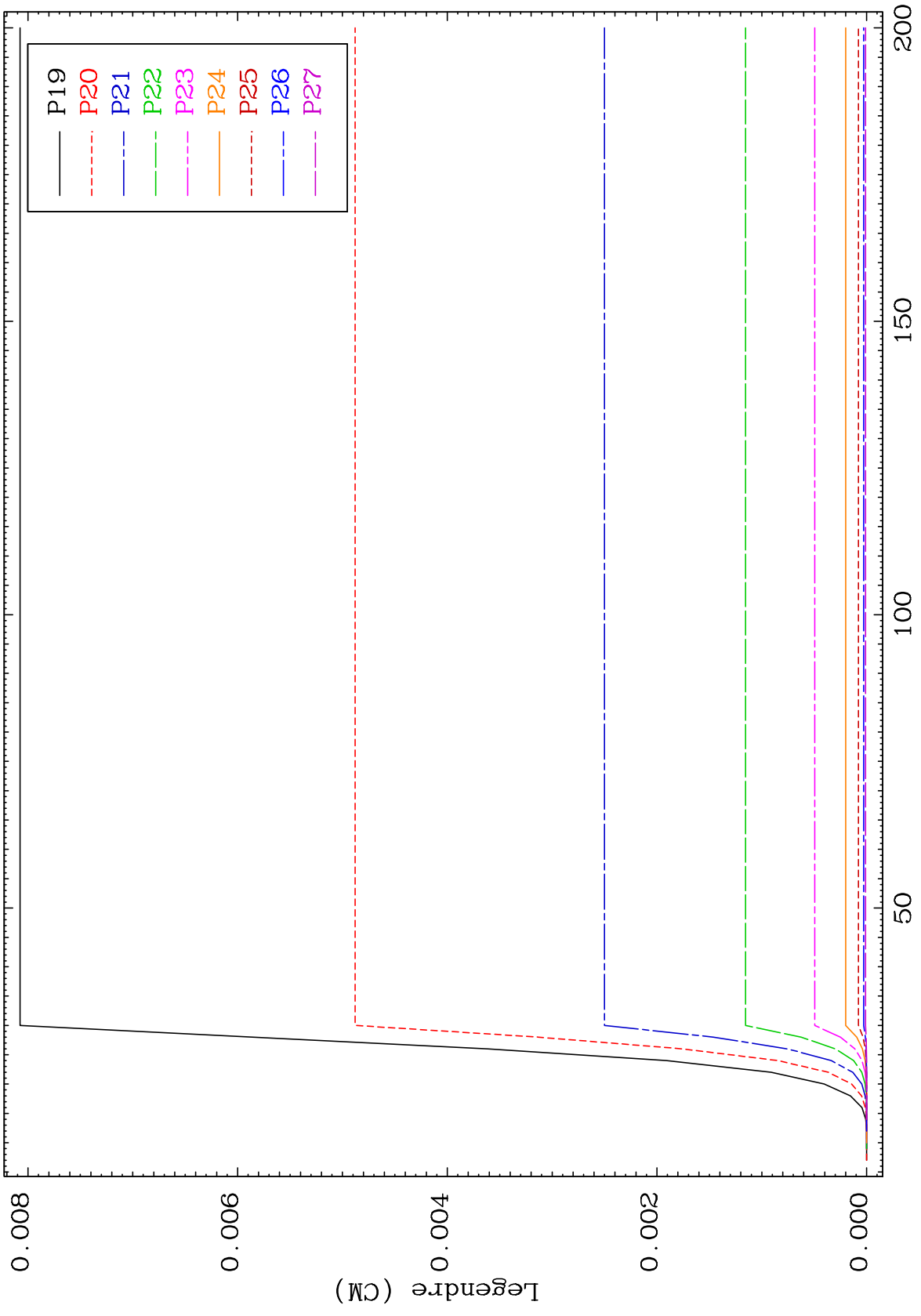
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



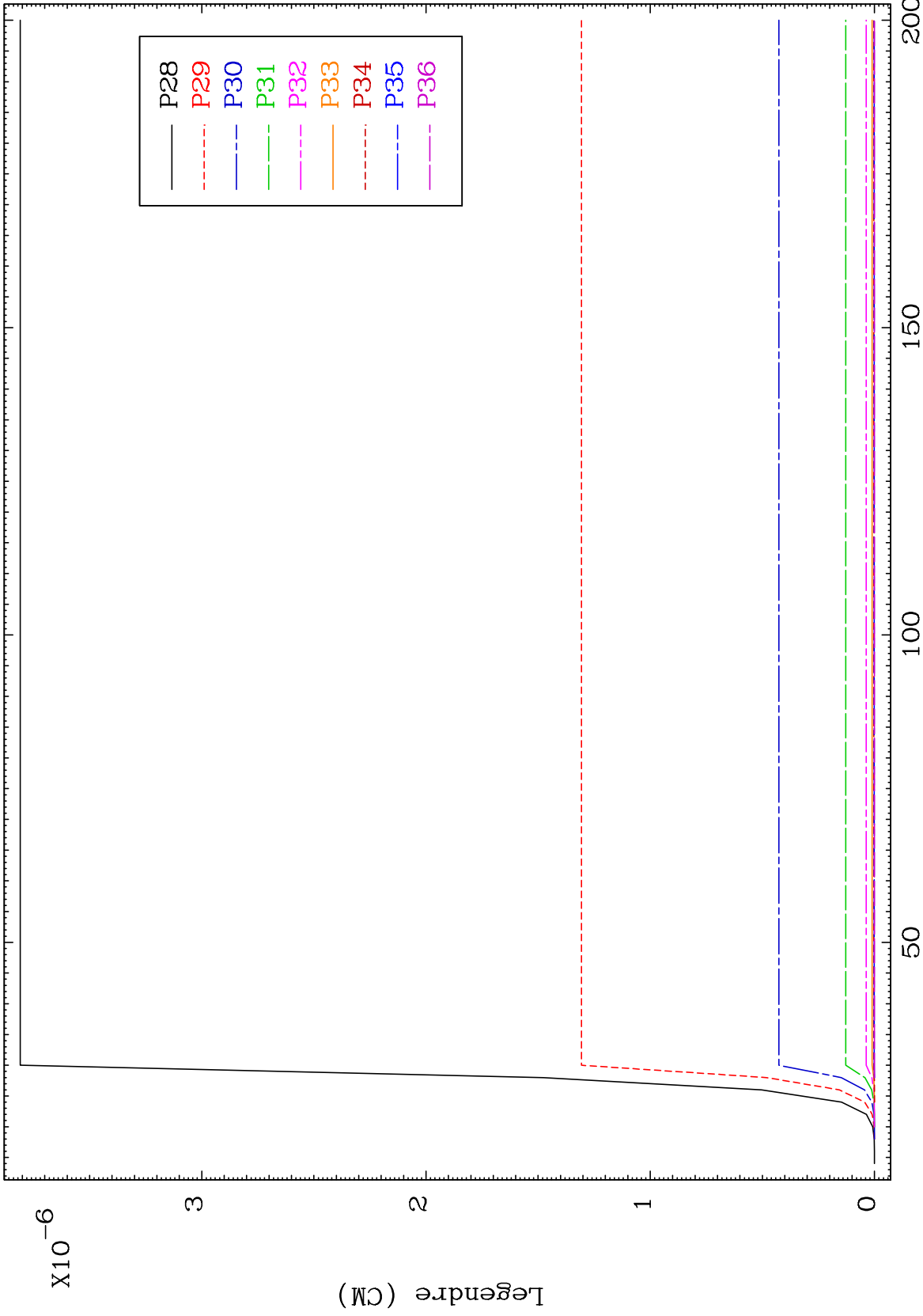
92

51-Sb-128

MAT 5146

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

51-Sb-128



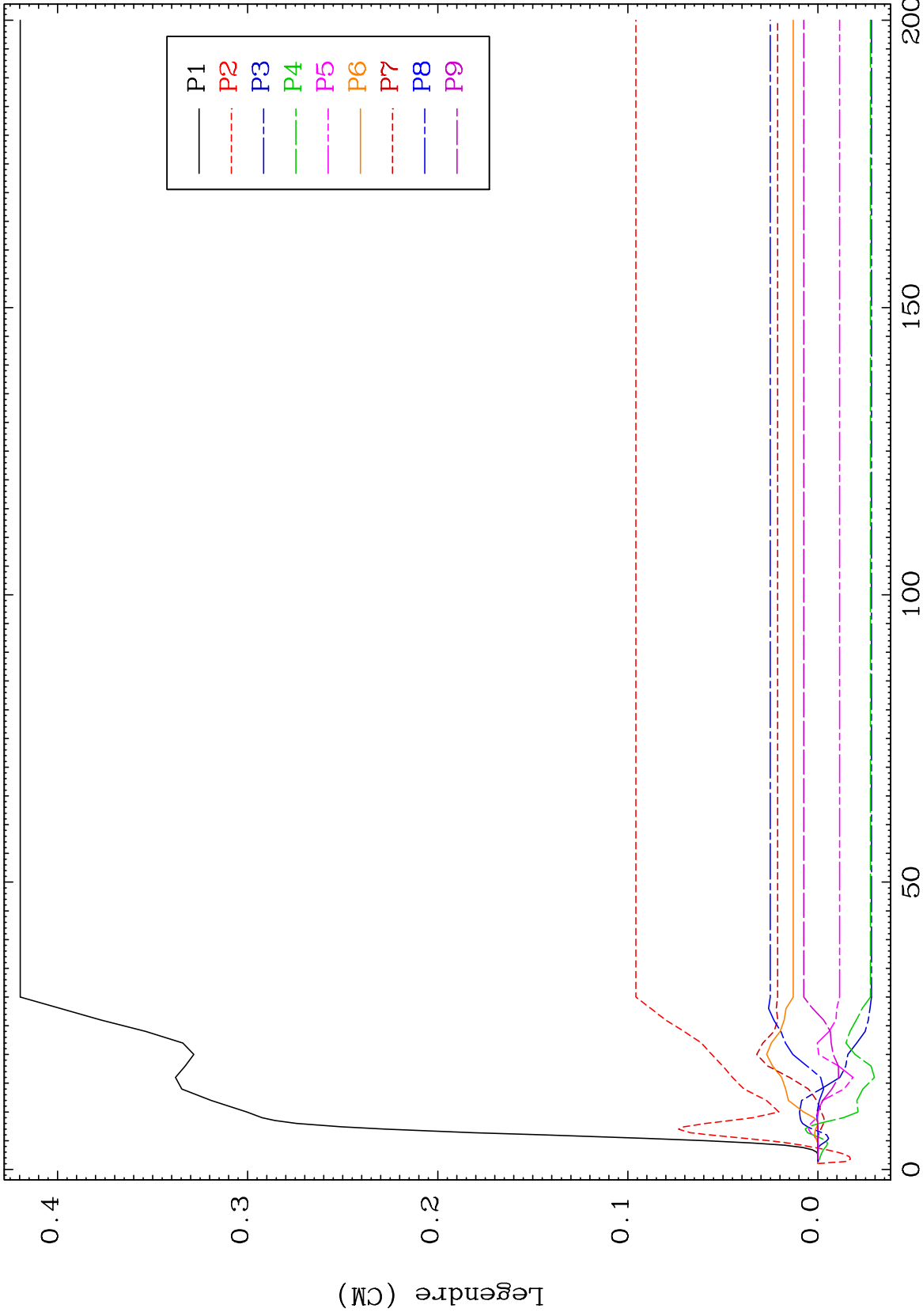
93

51-Sb-128

MAT 5146

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

51-Sb-128



94

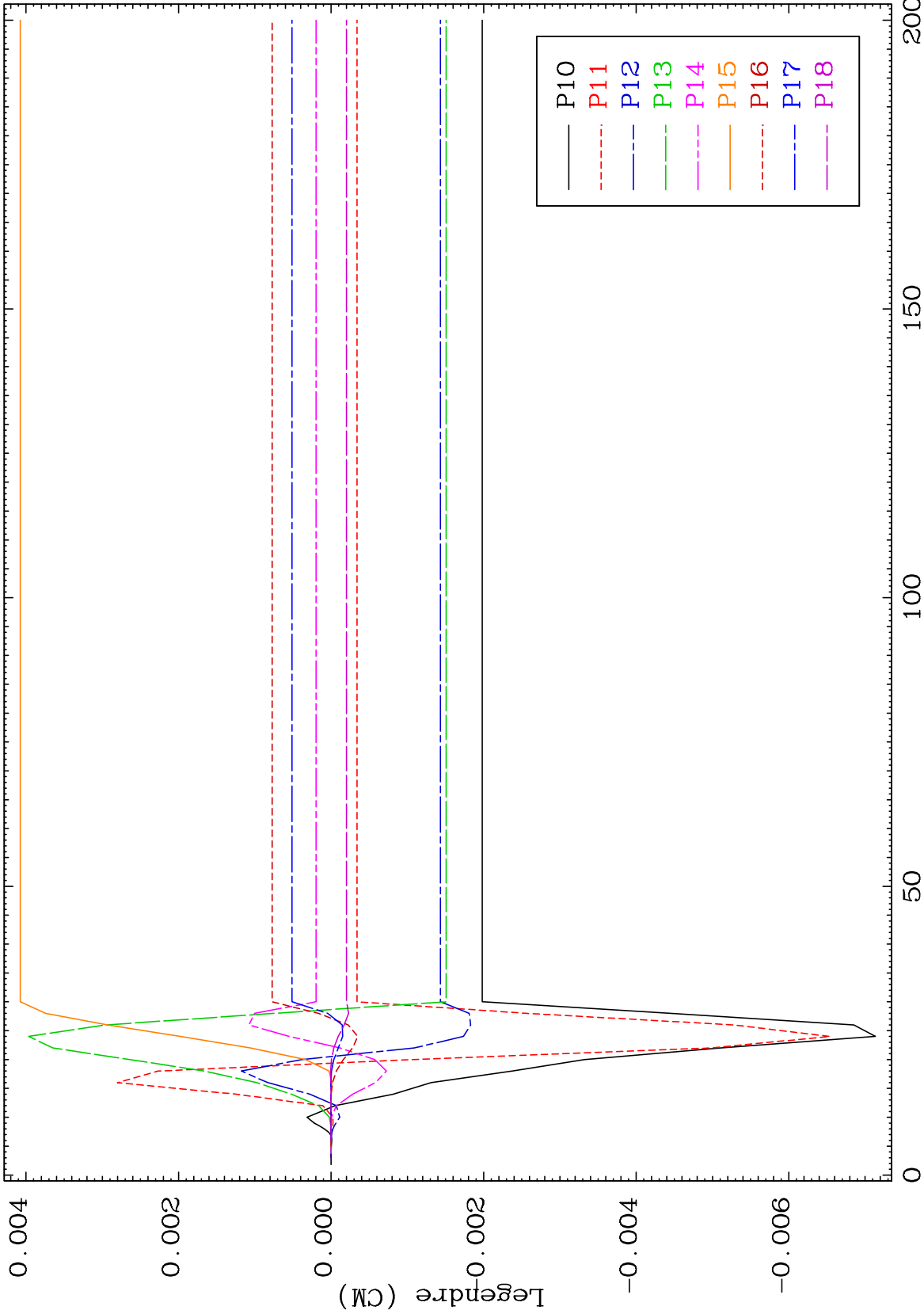
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



95

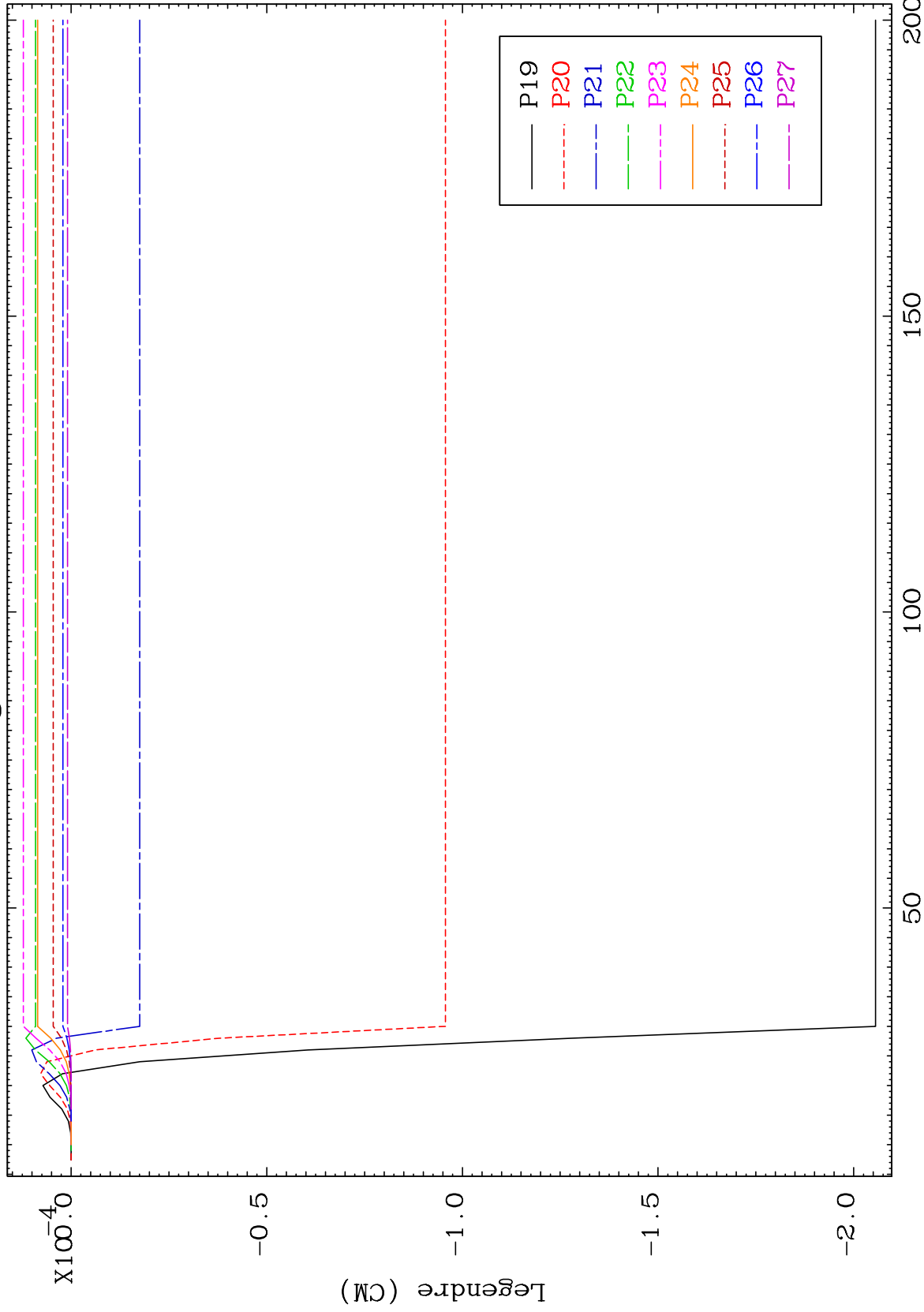
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



96

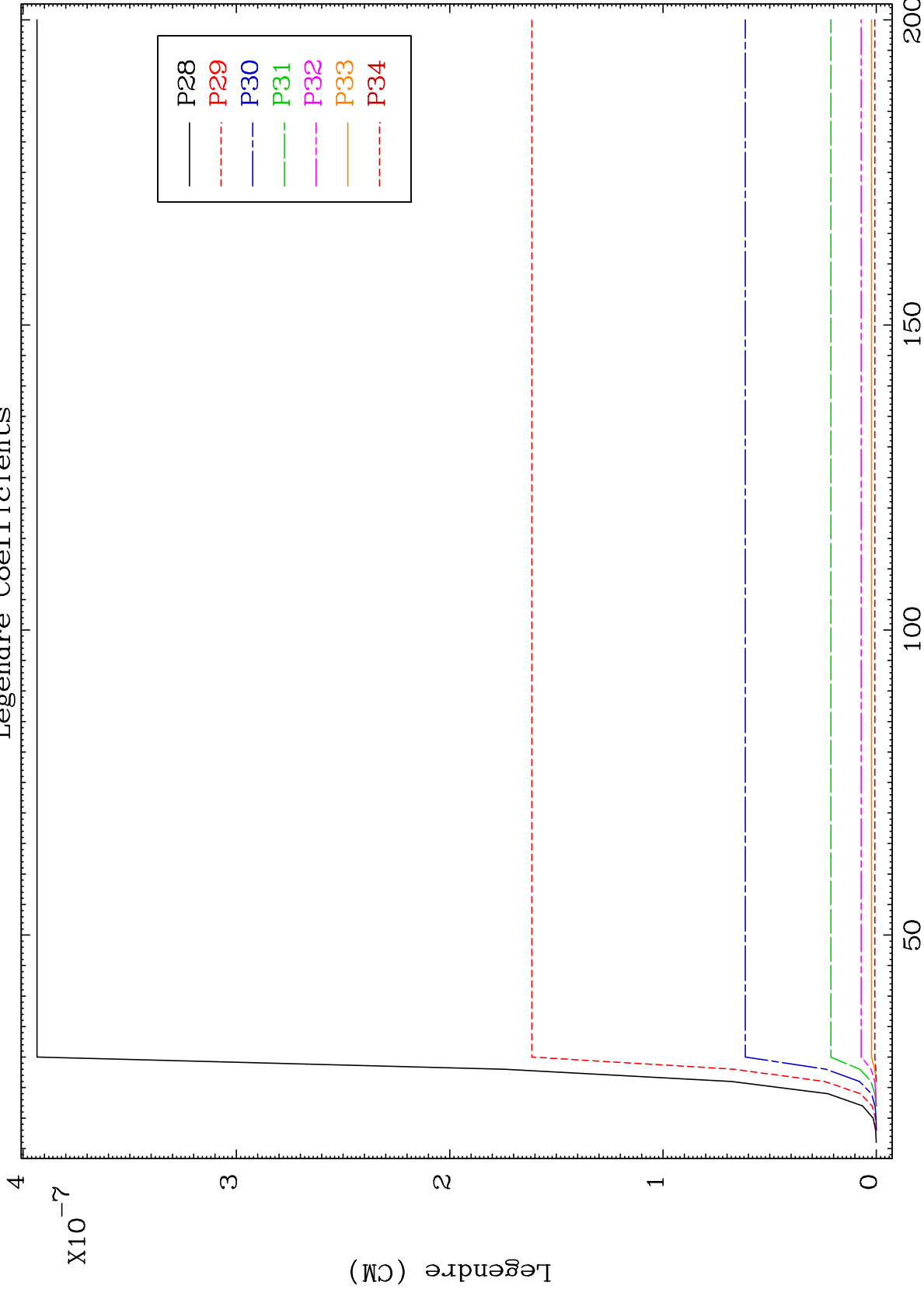
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



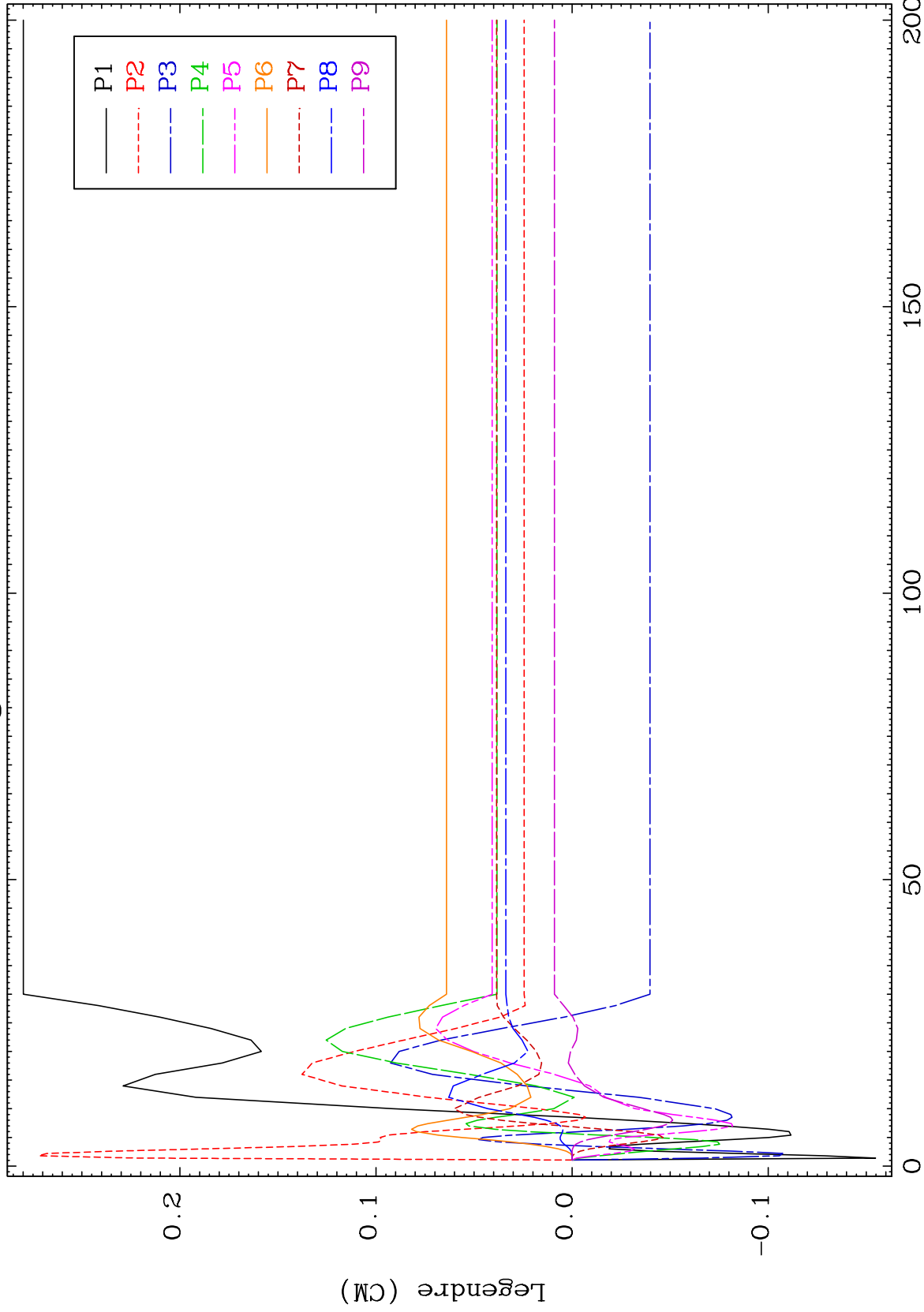
97

51-Sb-128

MAT 5146

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

51-Sb-128



98

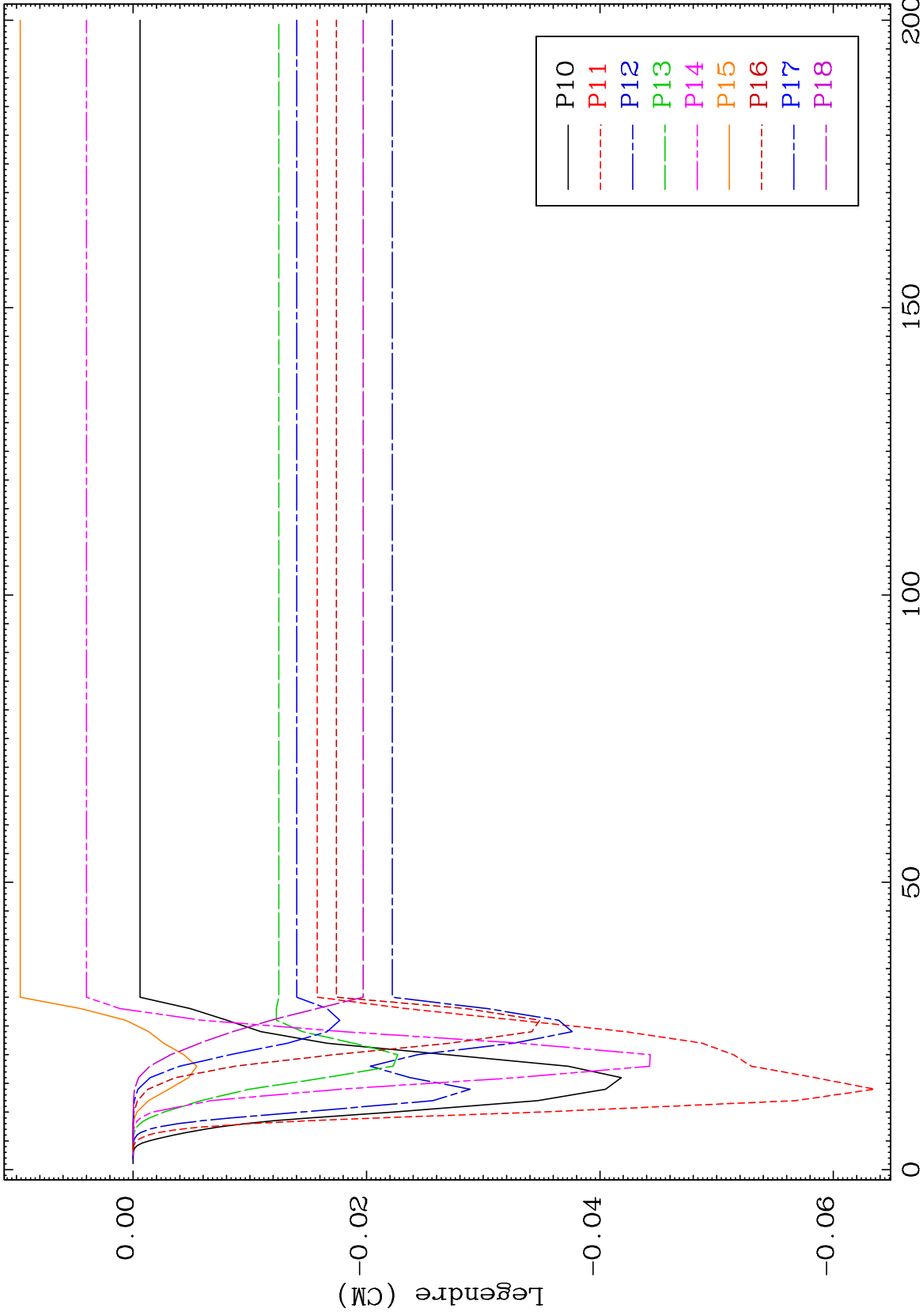
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128

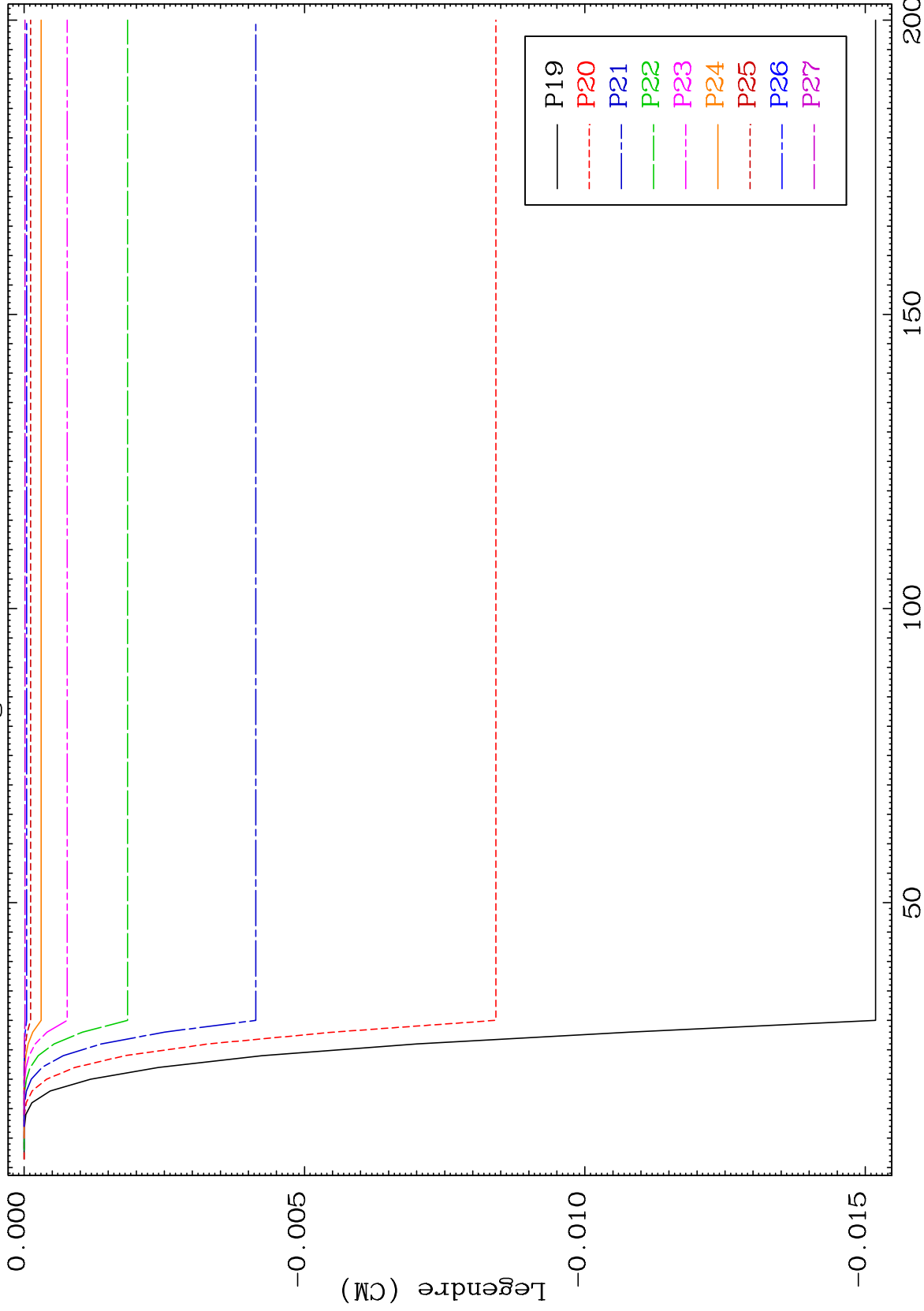


99

Incident Energy (MeV)

51-Sb-128

MAT 5146 MT= 73 (n,n') Level Legendre Coefficients 51-Sb-128

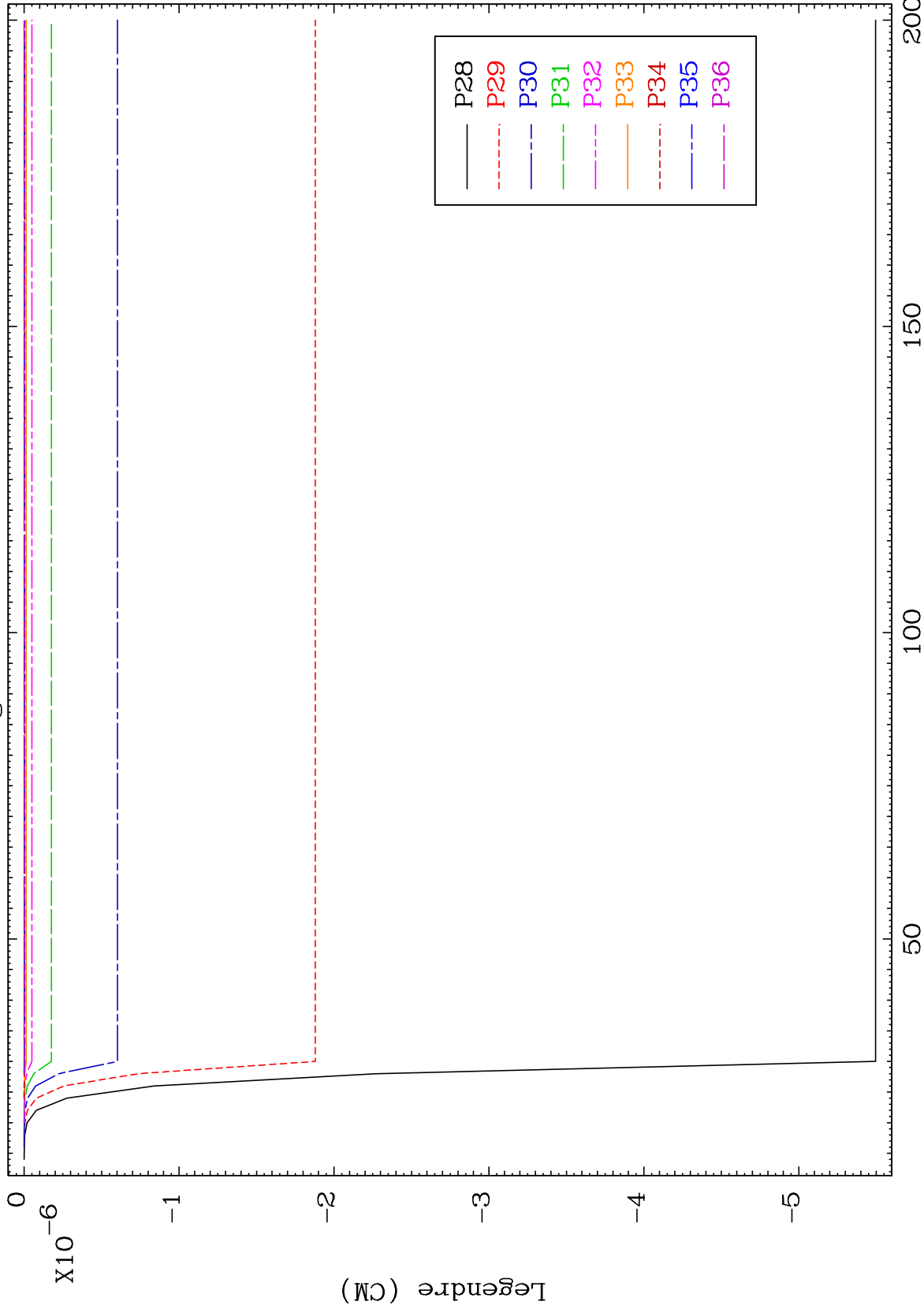


100 Incident Energy (MeV) 51-Sb-128

MAT 5146

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

51-Sb-128



51-Sb-128

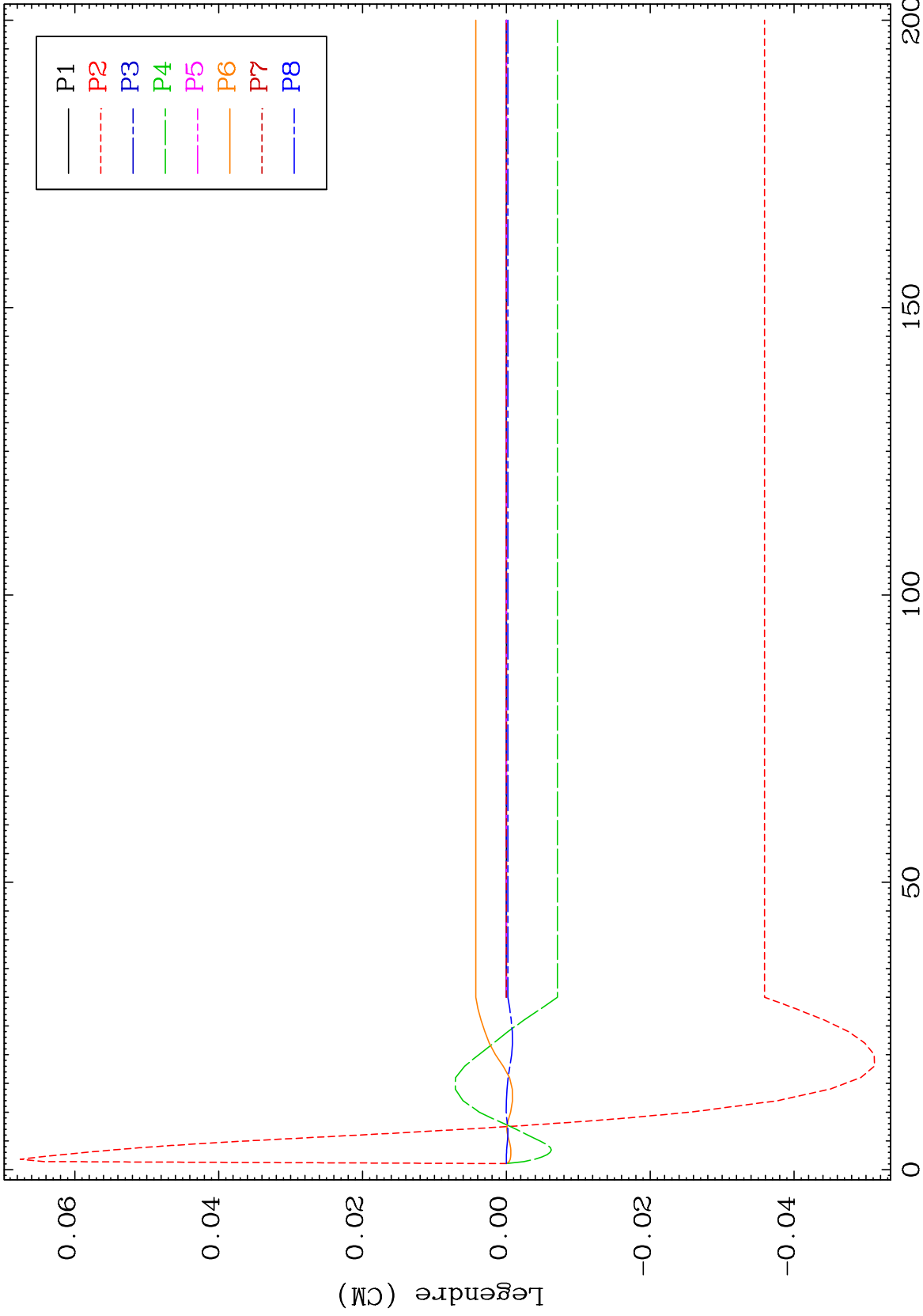
Incident Energy (MeV)

101

MAT 5146

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

51-Sb-128



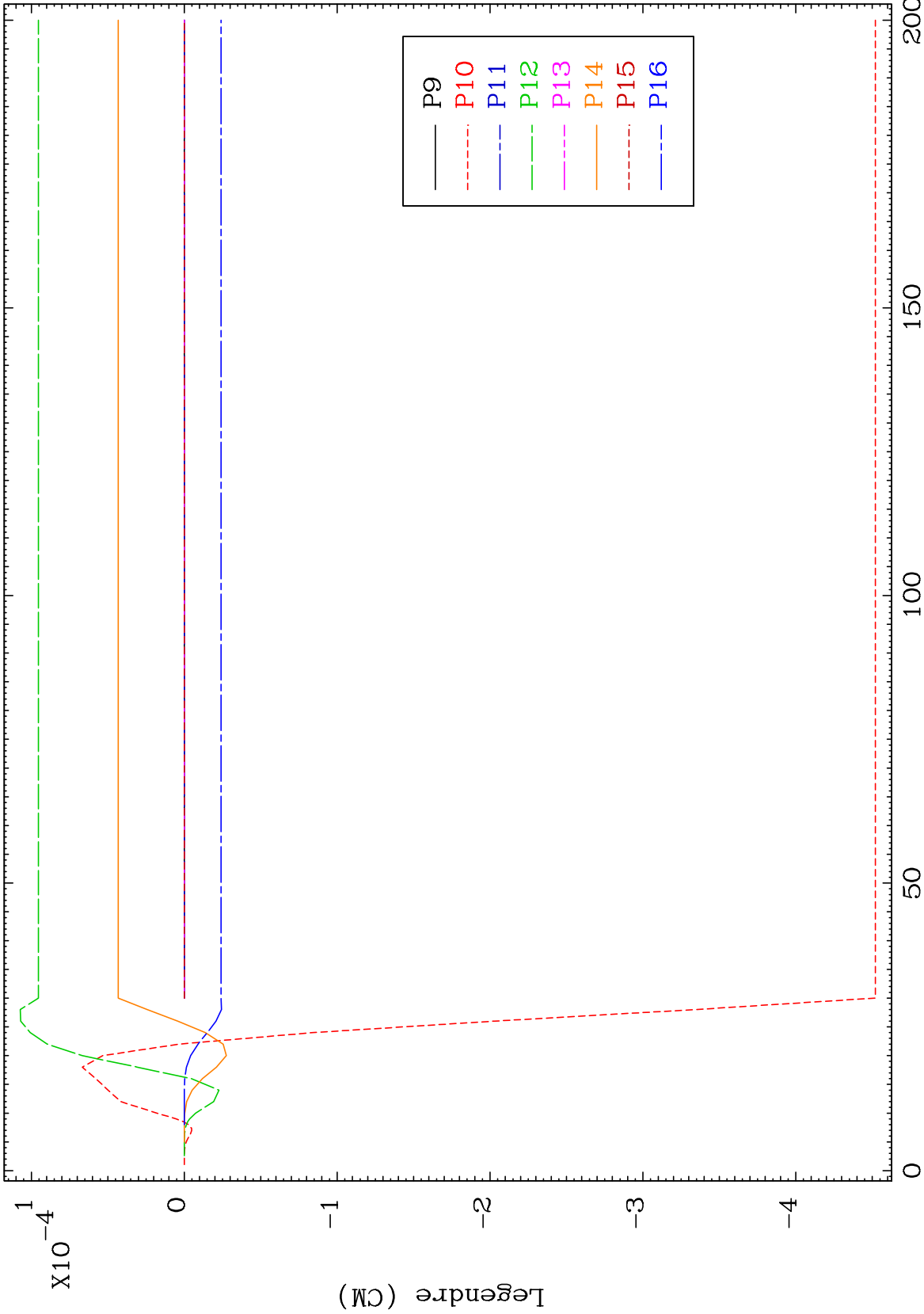
102

51-Sb-128

MAT 5146

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

51-Sb-128

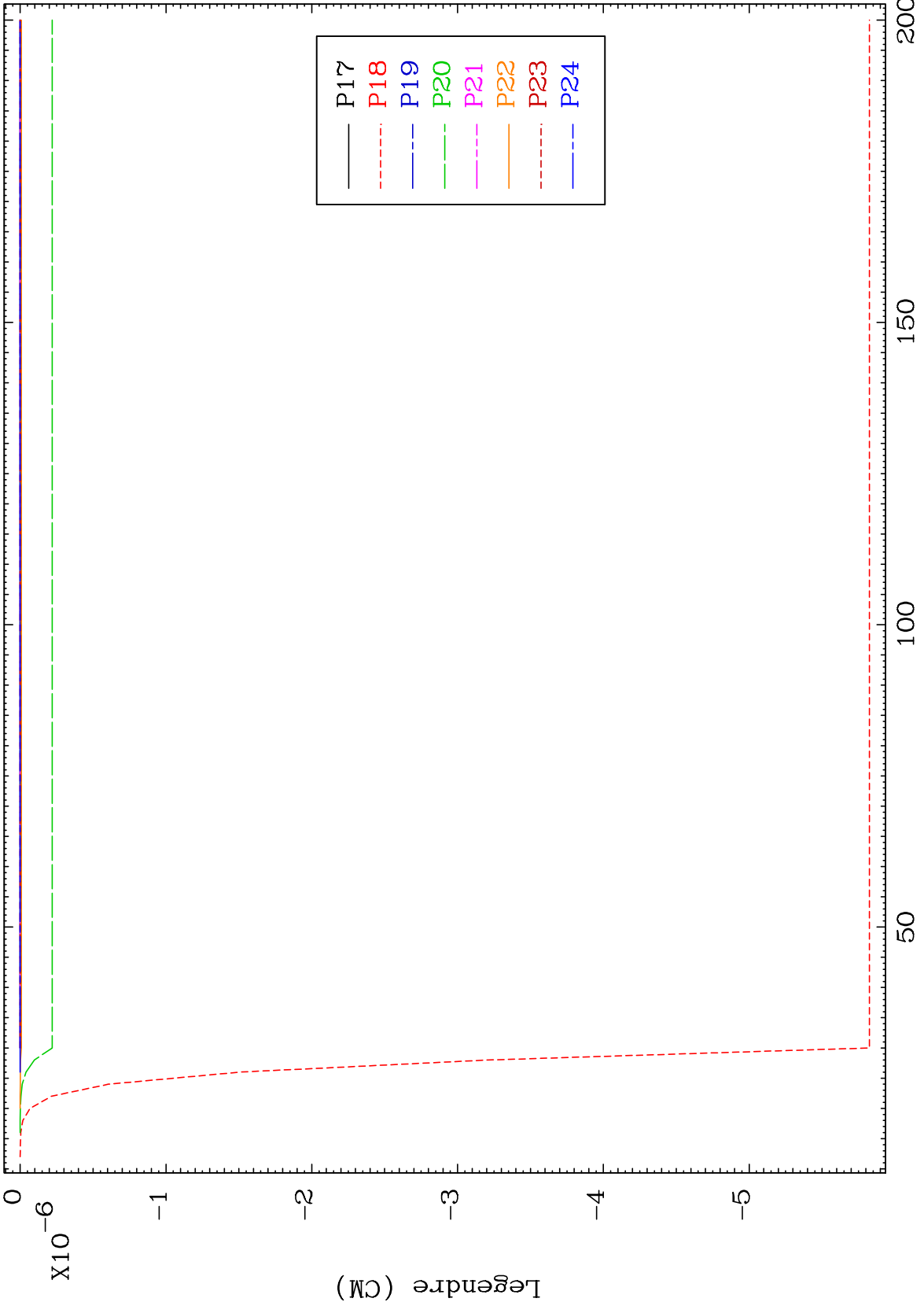


103

Incident Energy (MeV)

51-Sb-128

MAT 5146 MT= 74 (n,n') Level Legendre Coefficients 51-Sb-128

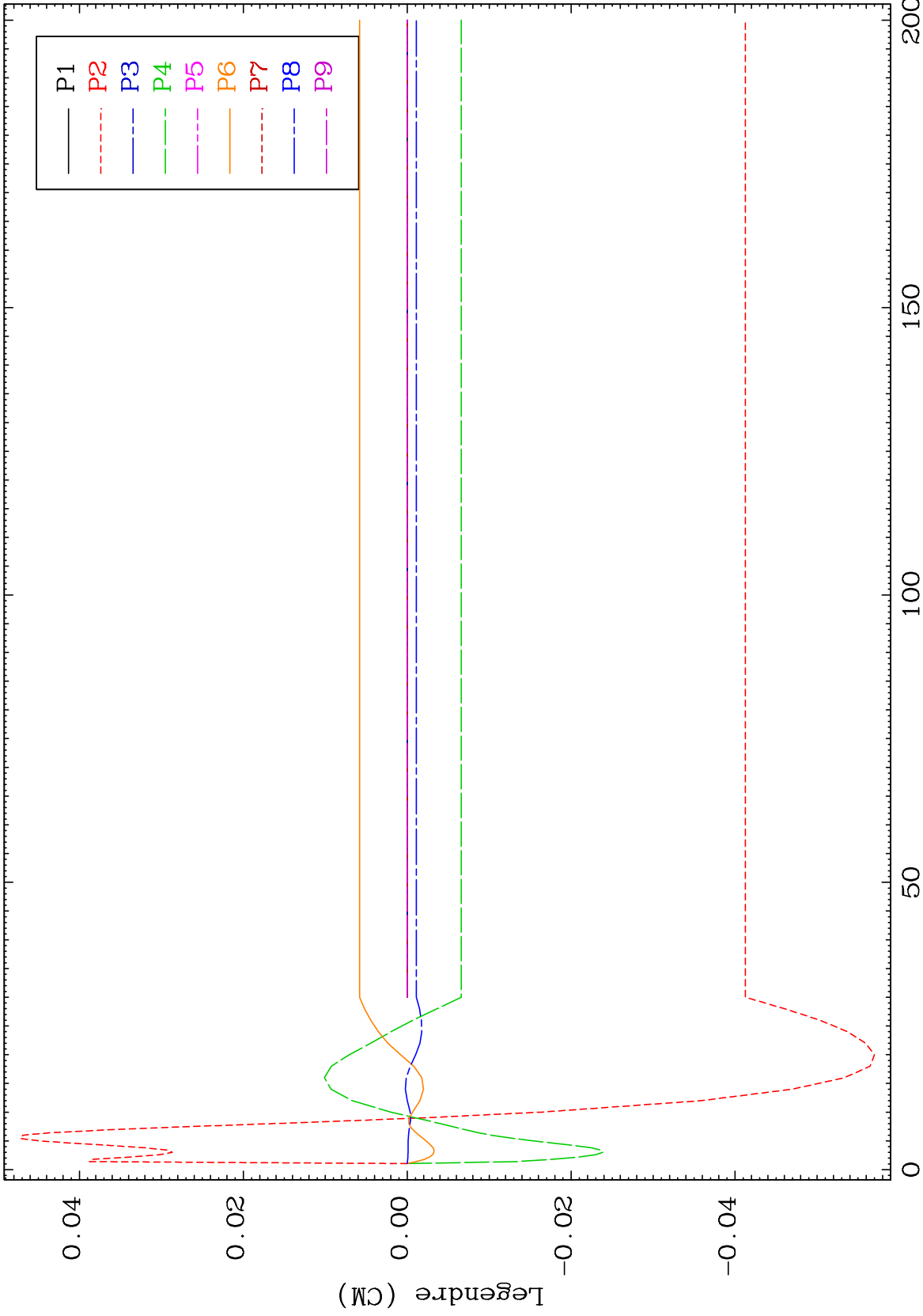


104 51-Sb-128

MAT 5146

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

51-Sb-128



51-Sb-128

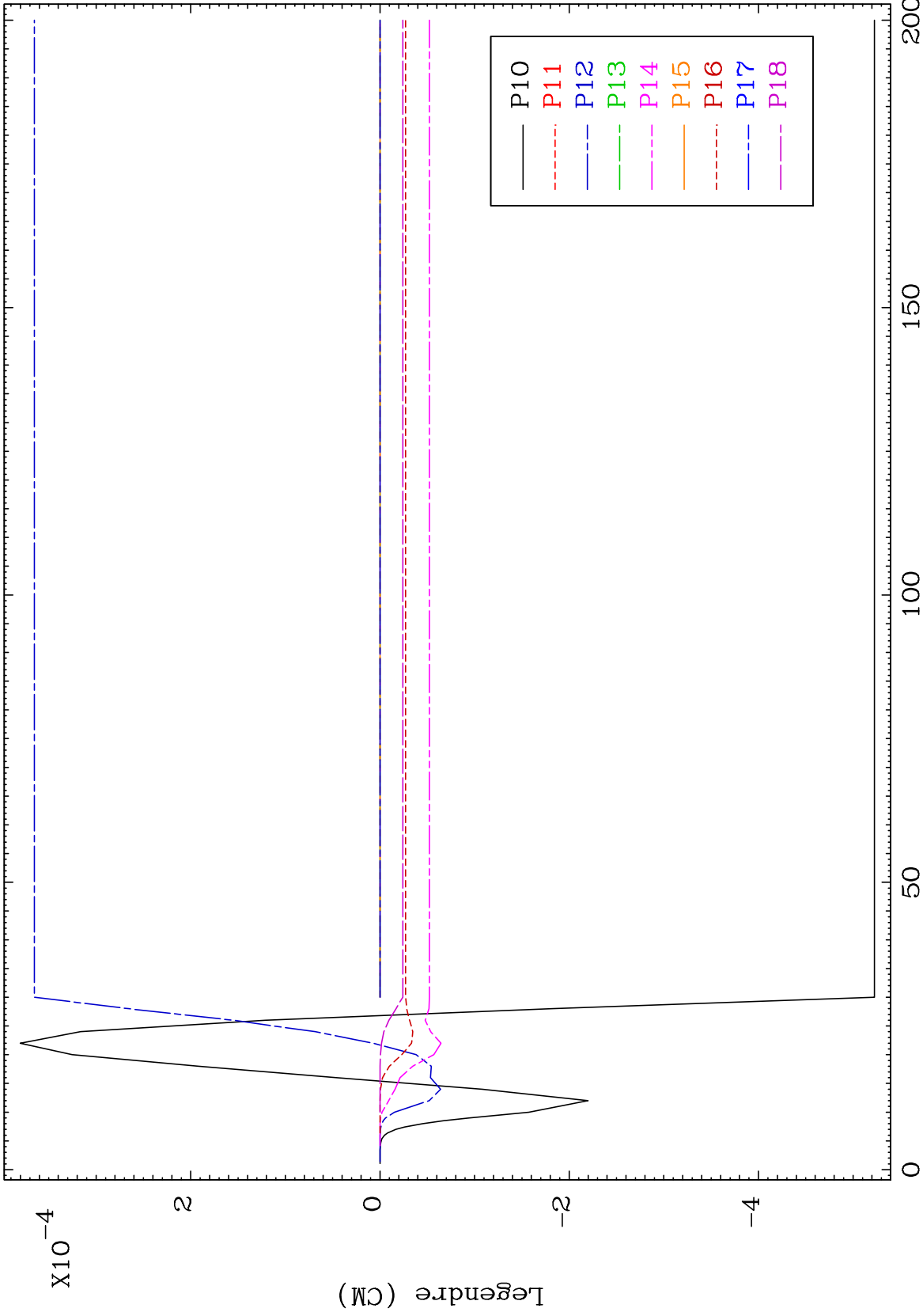
Incident Energy (MeV)

105

MAT 5146

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

51-Sb-128



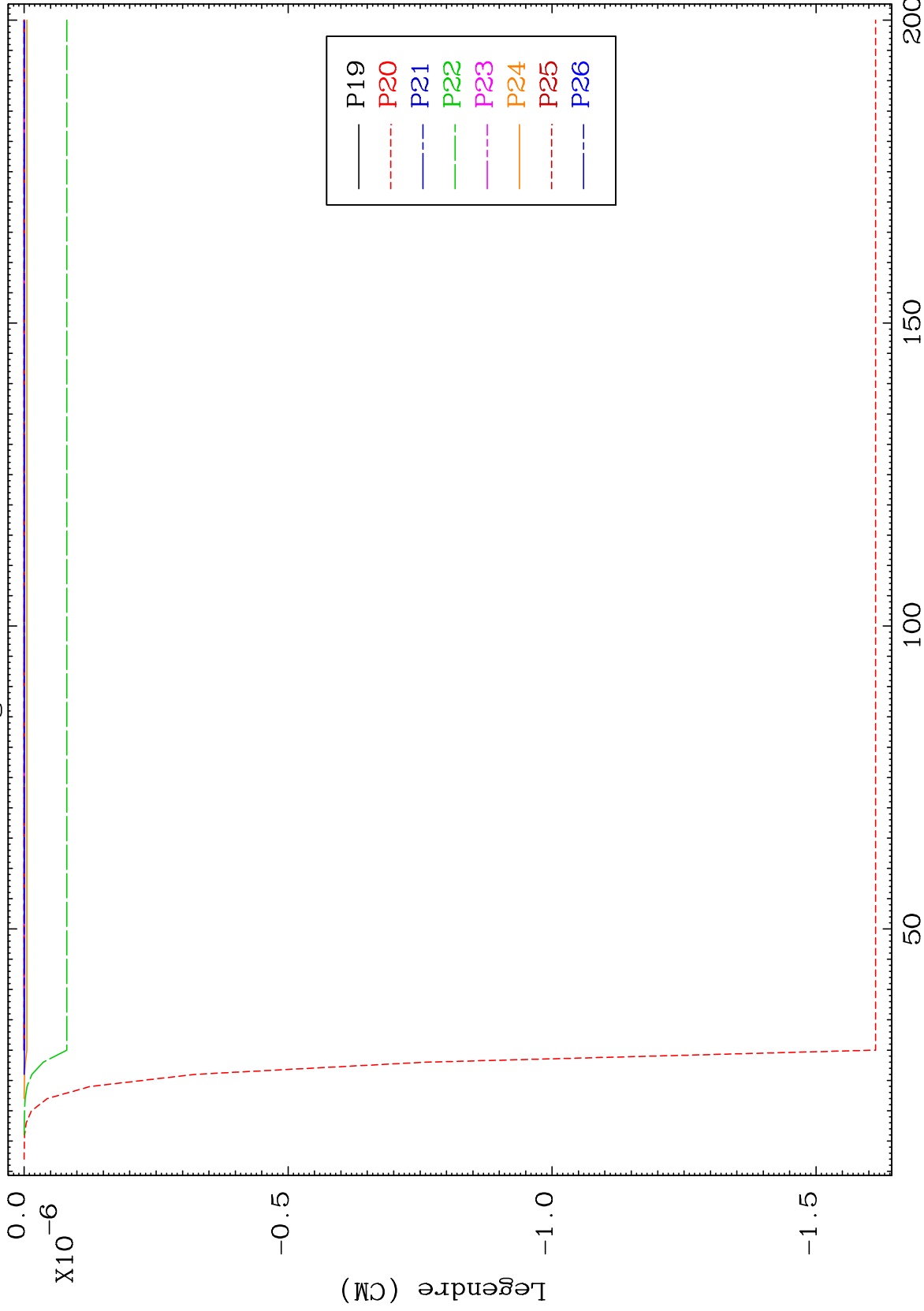
106

51-Sb-128

MAT 5146

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

51-Sb-128



107

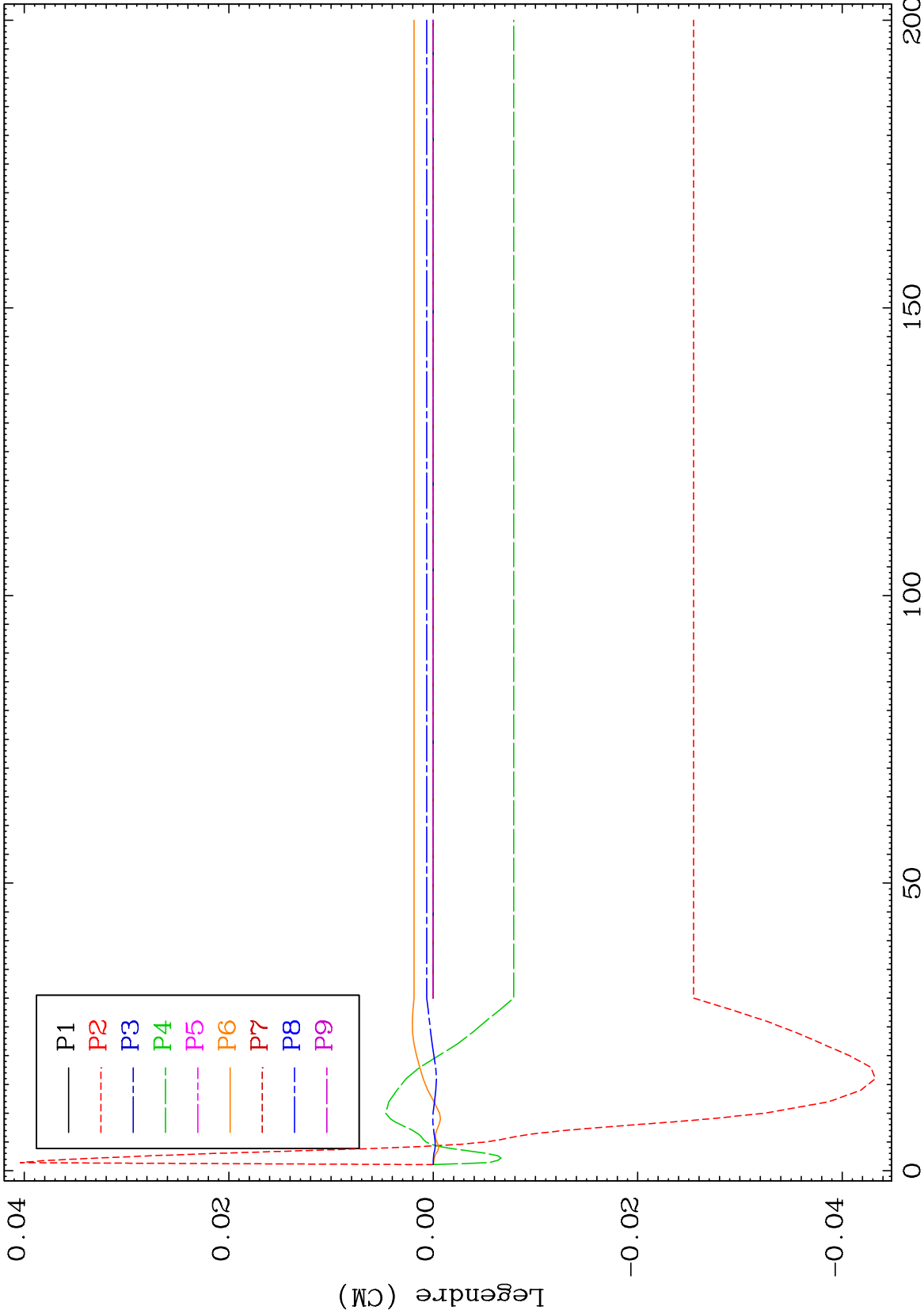
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



108

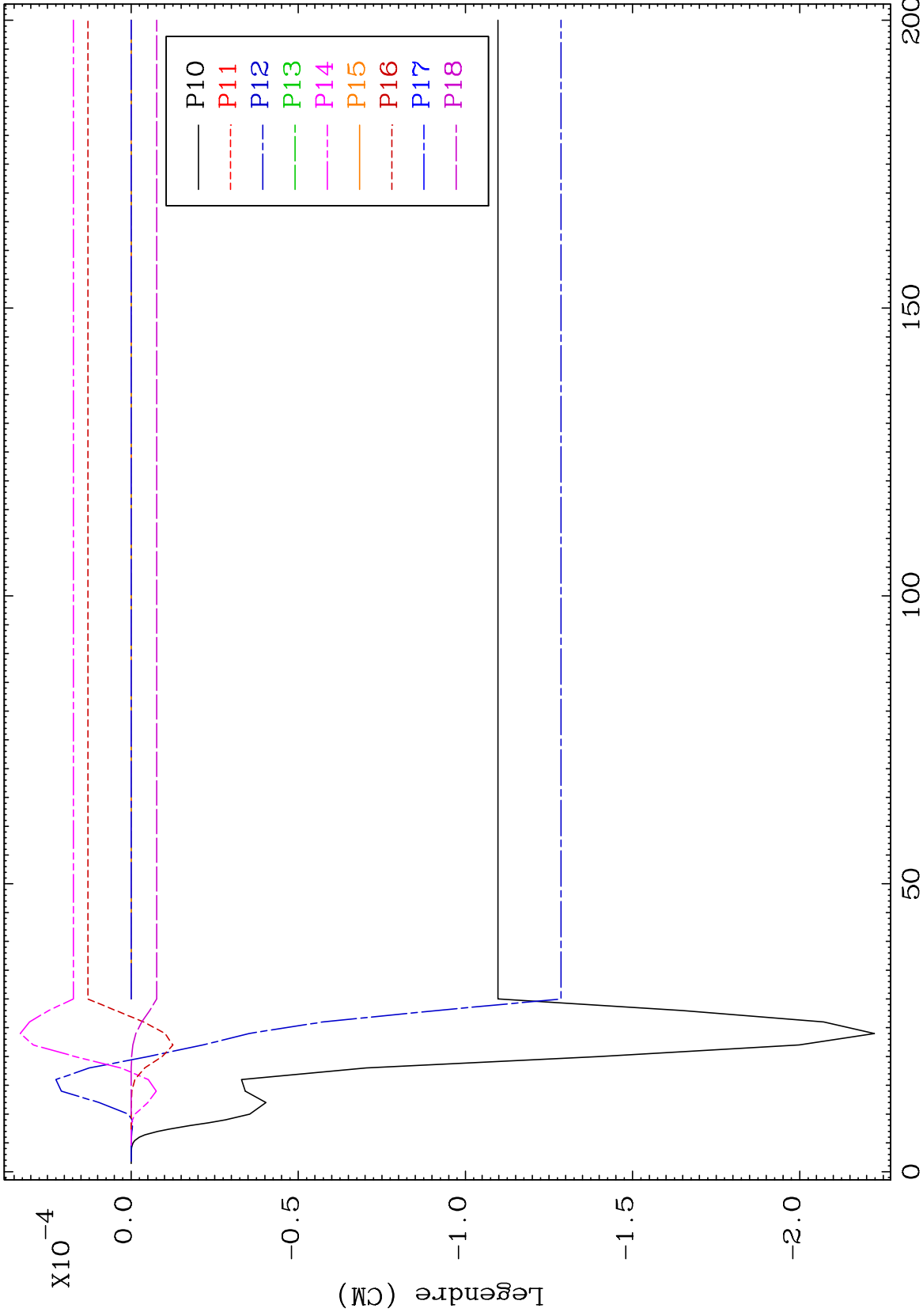
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



109

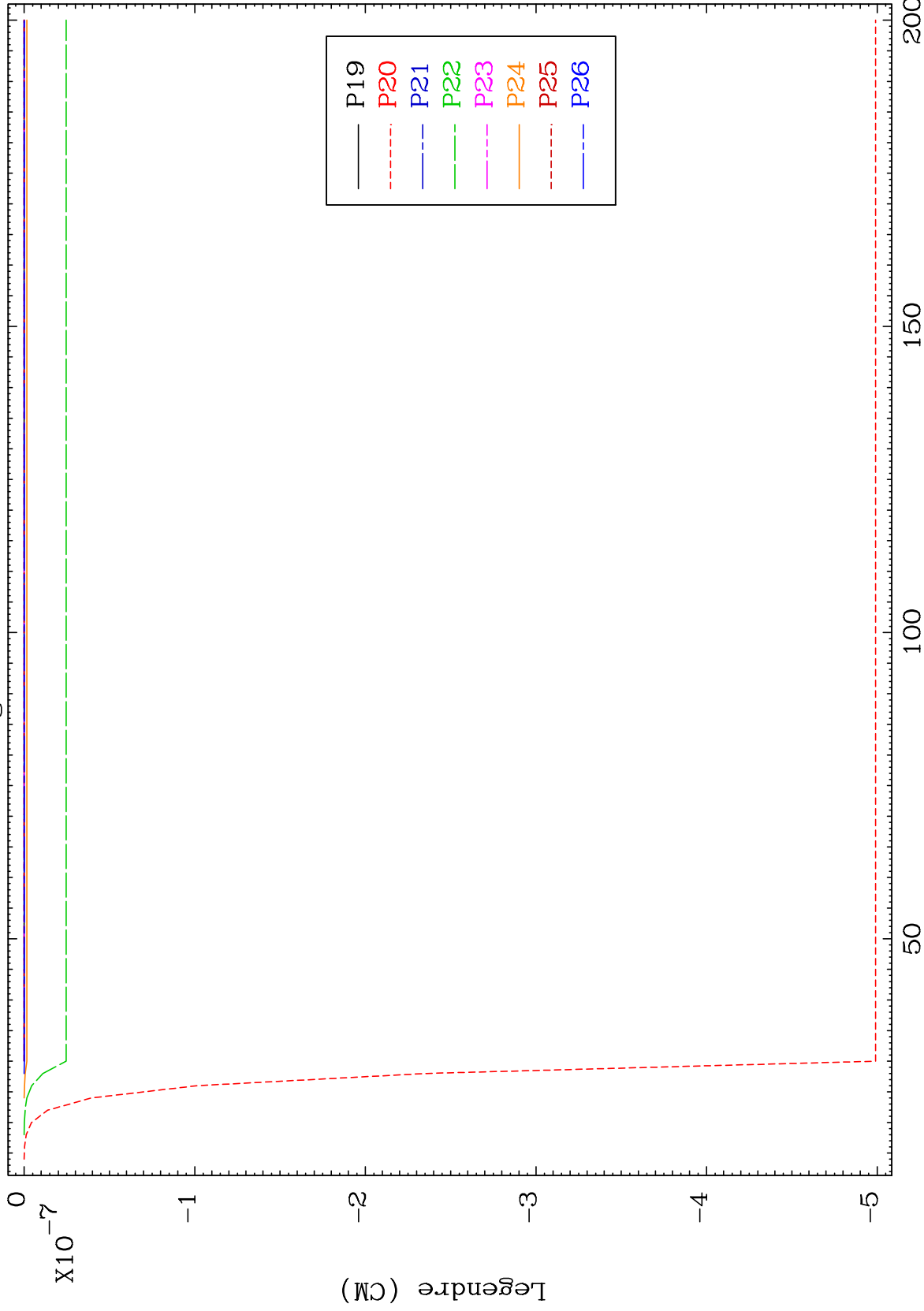
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



110

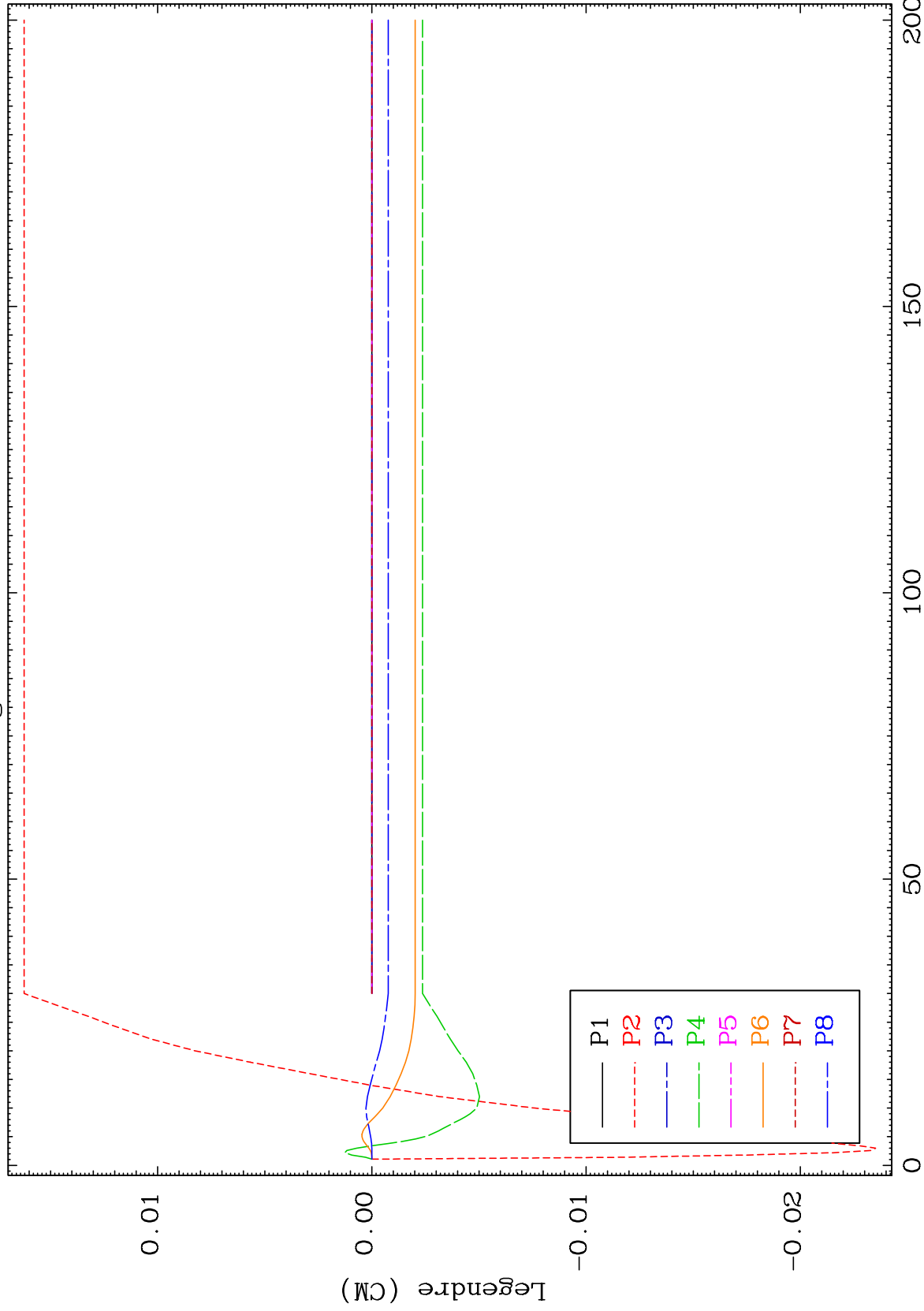
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



111

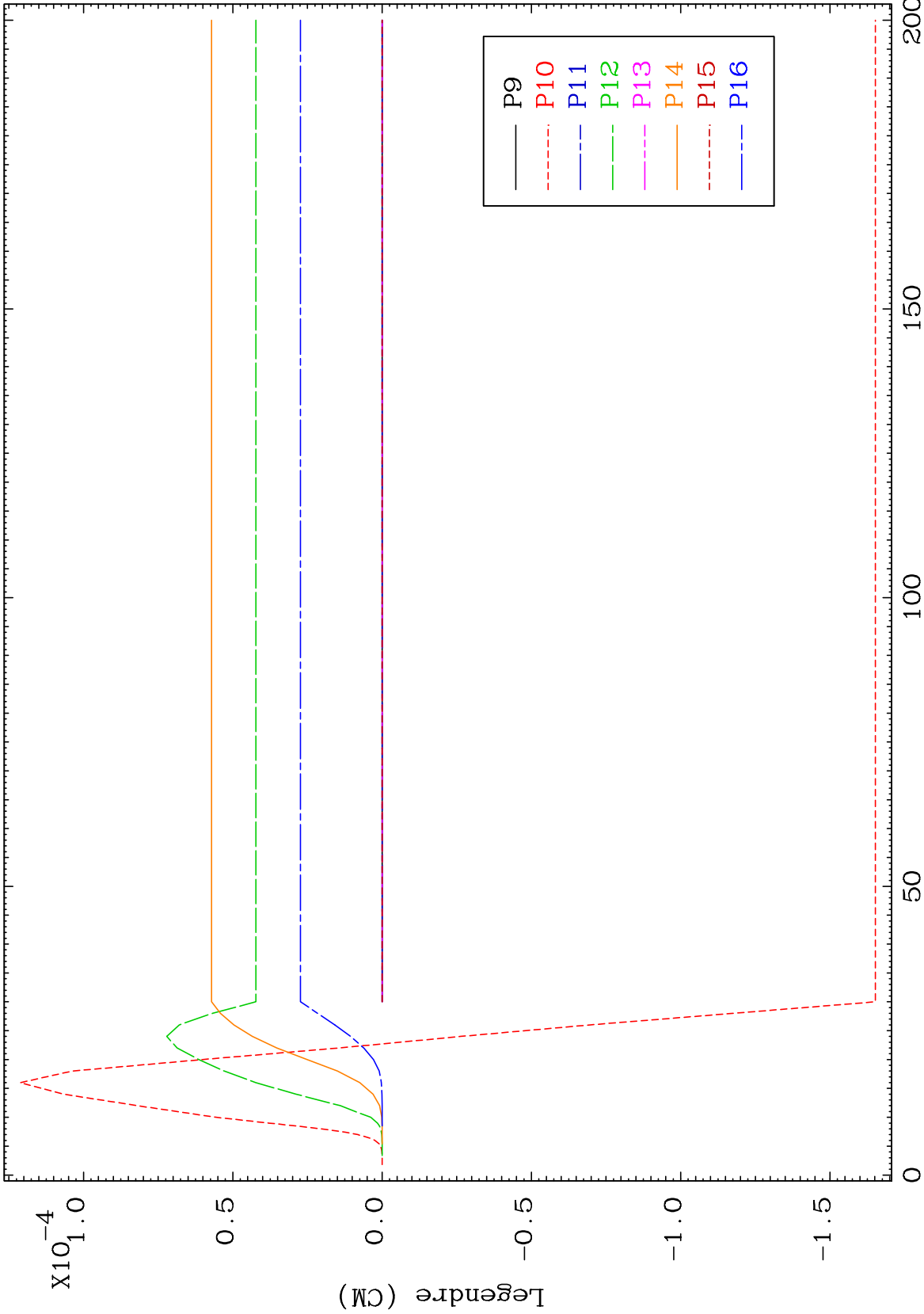
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



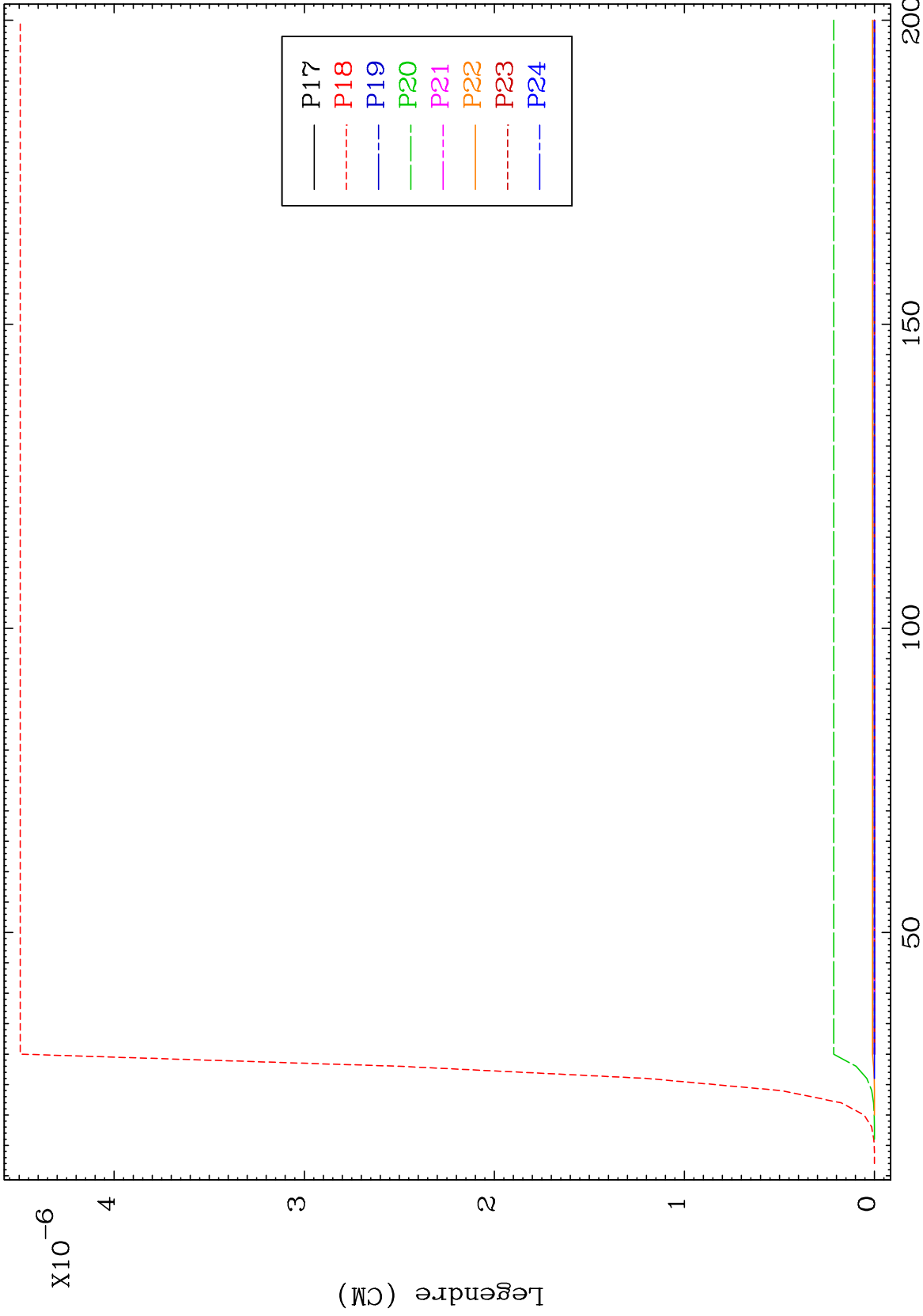
112

51-Sb-128

MAT 5146

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

51-Sb-128



113

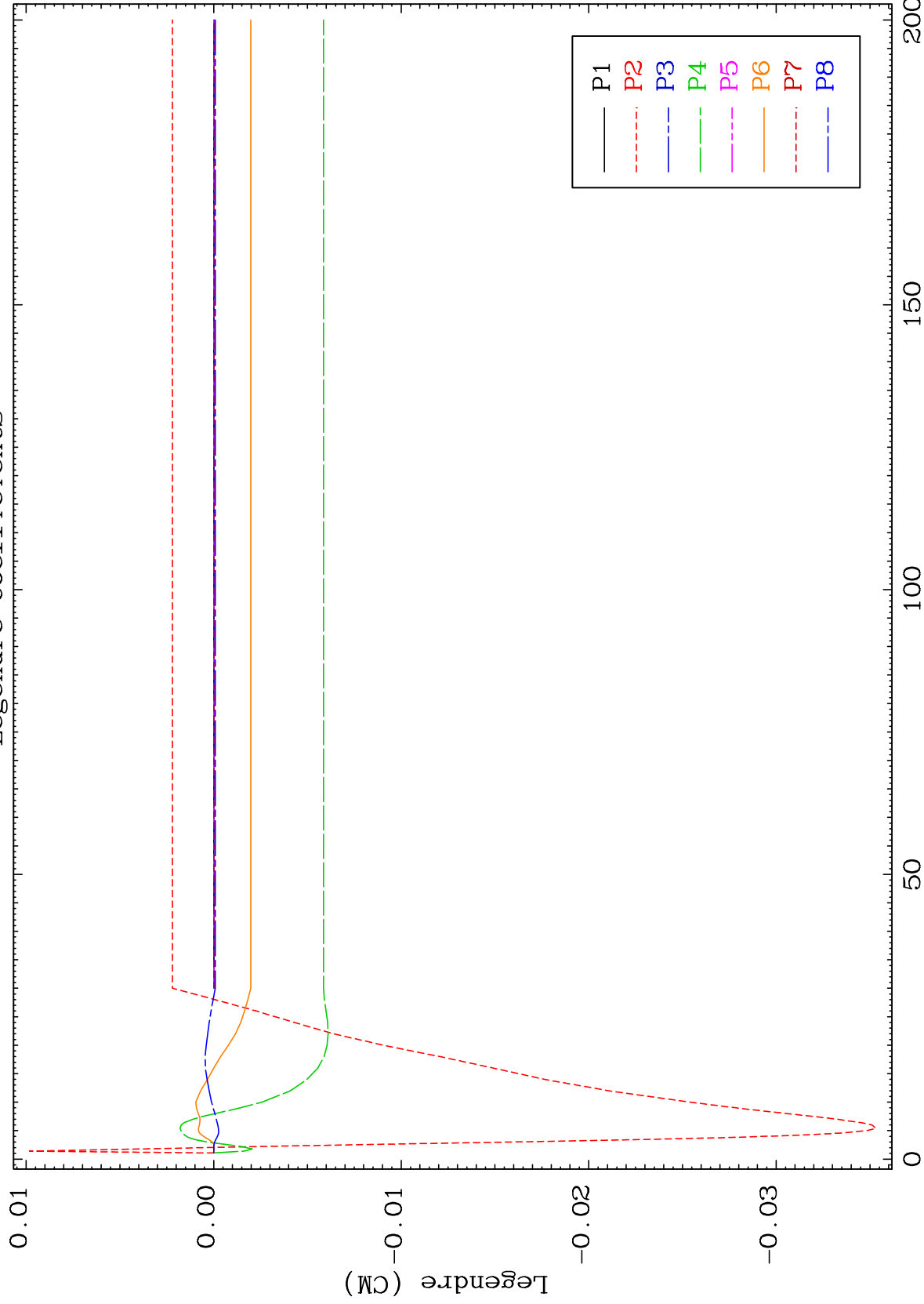
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



114

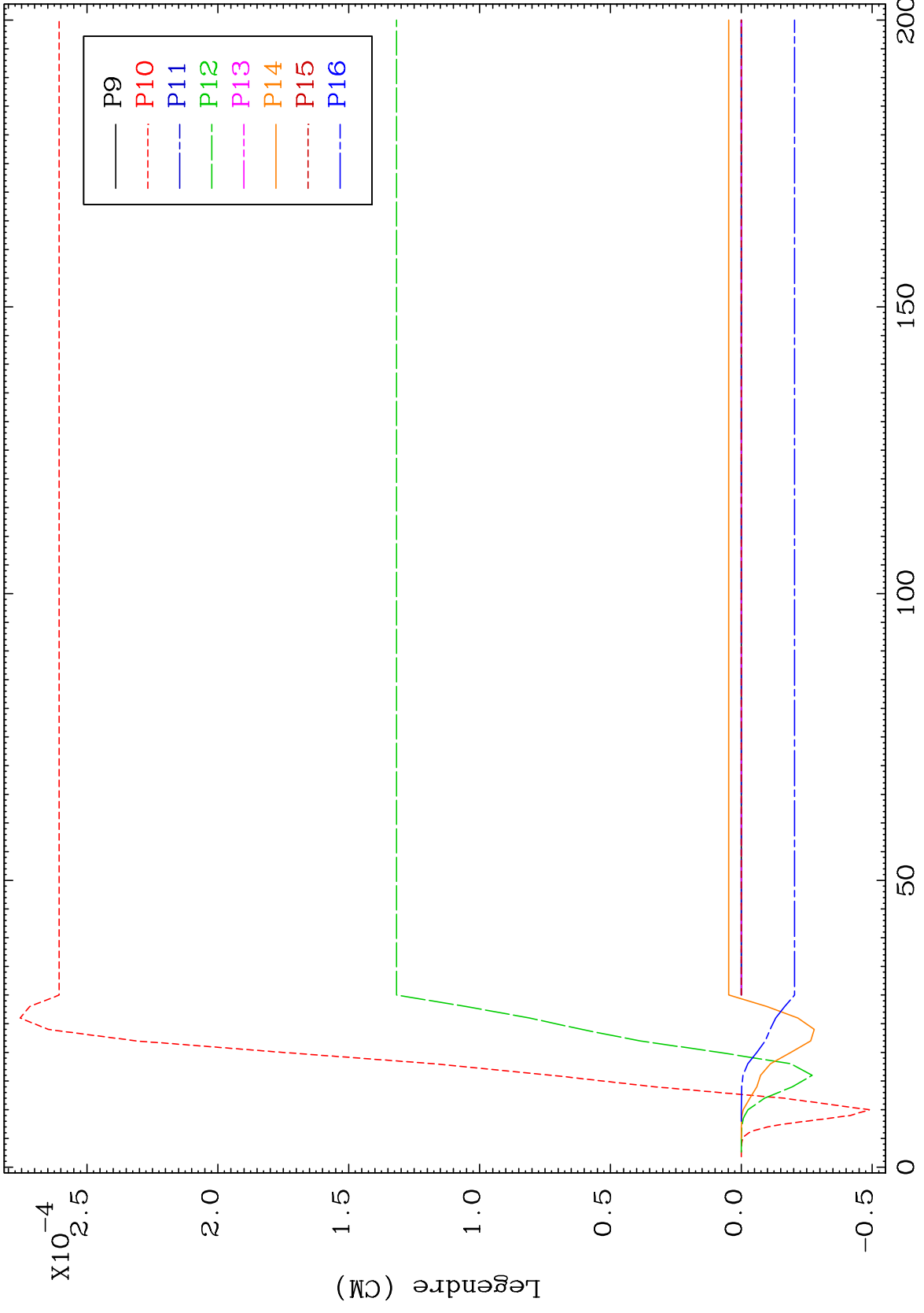
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



115

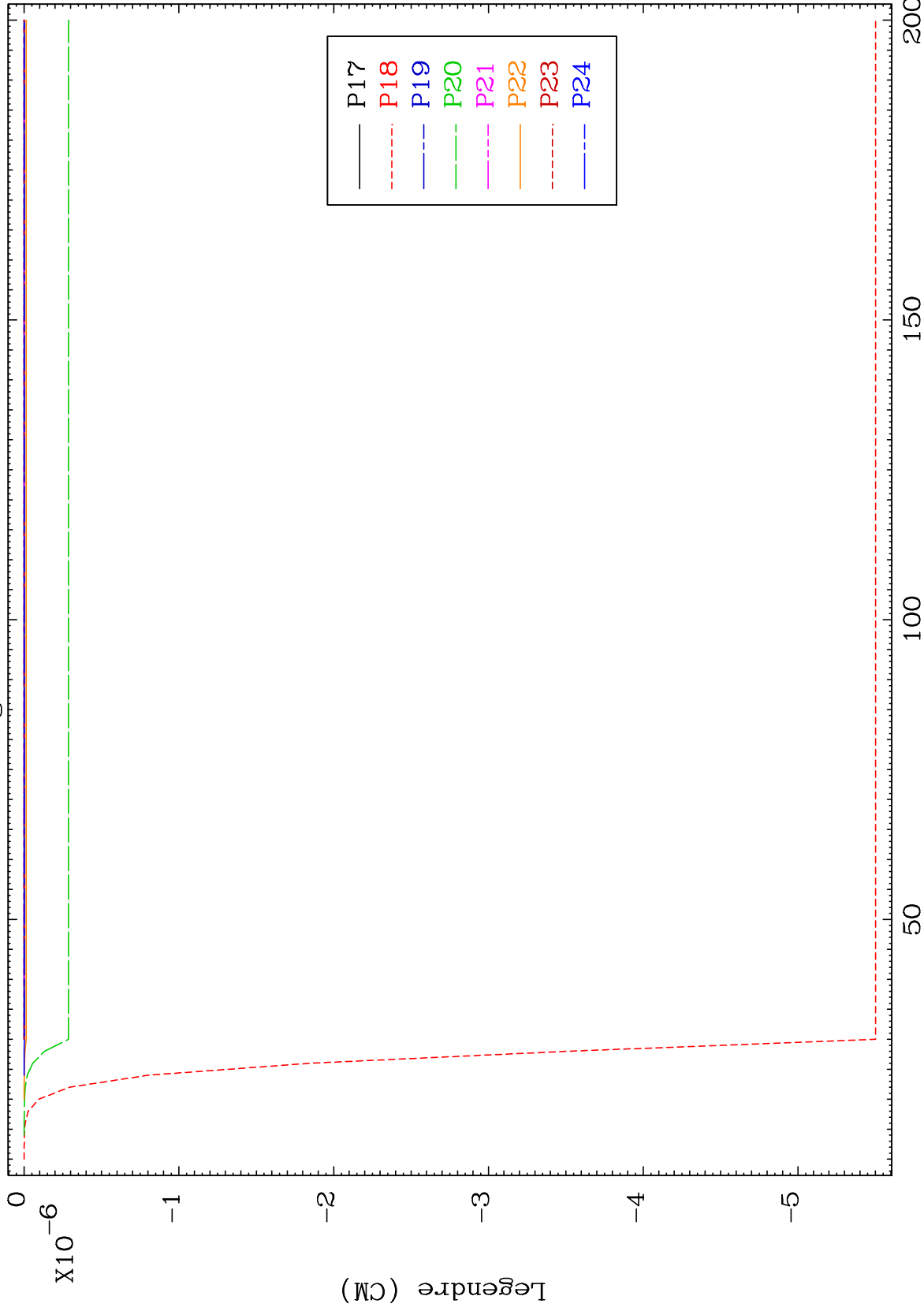
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



116

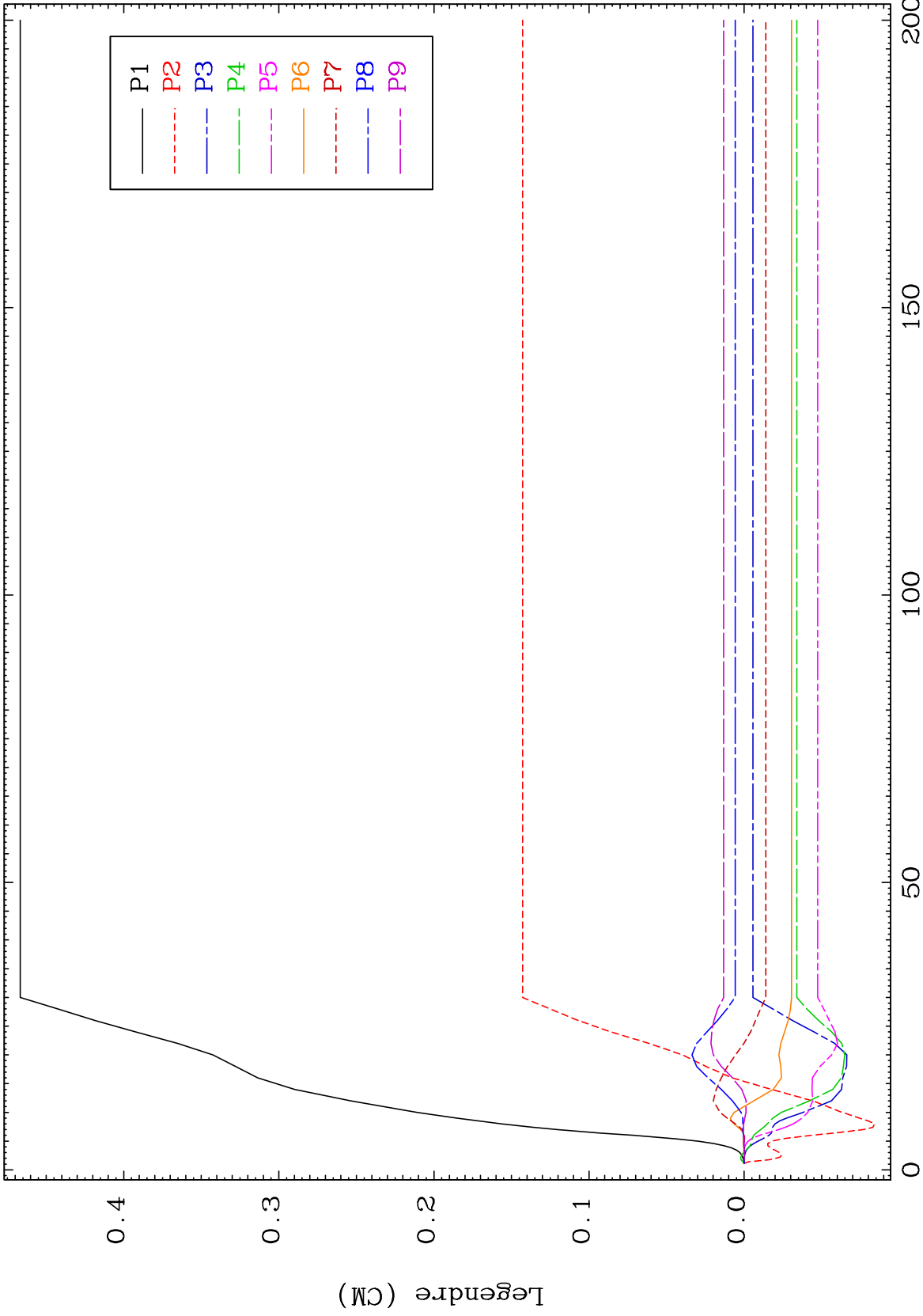
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



51-Sb-128

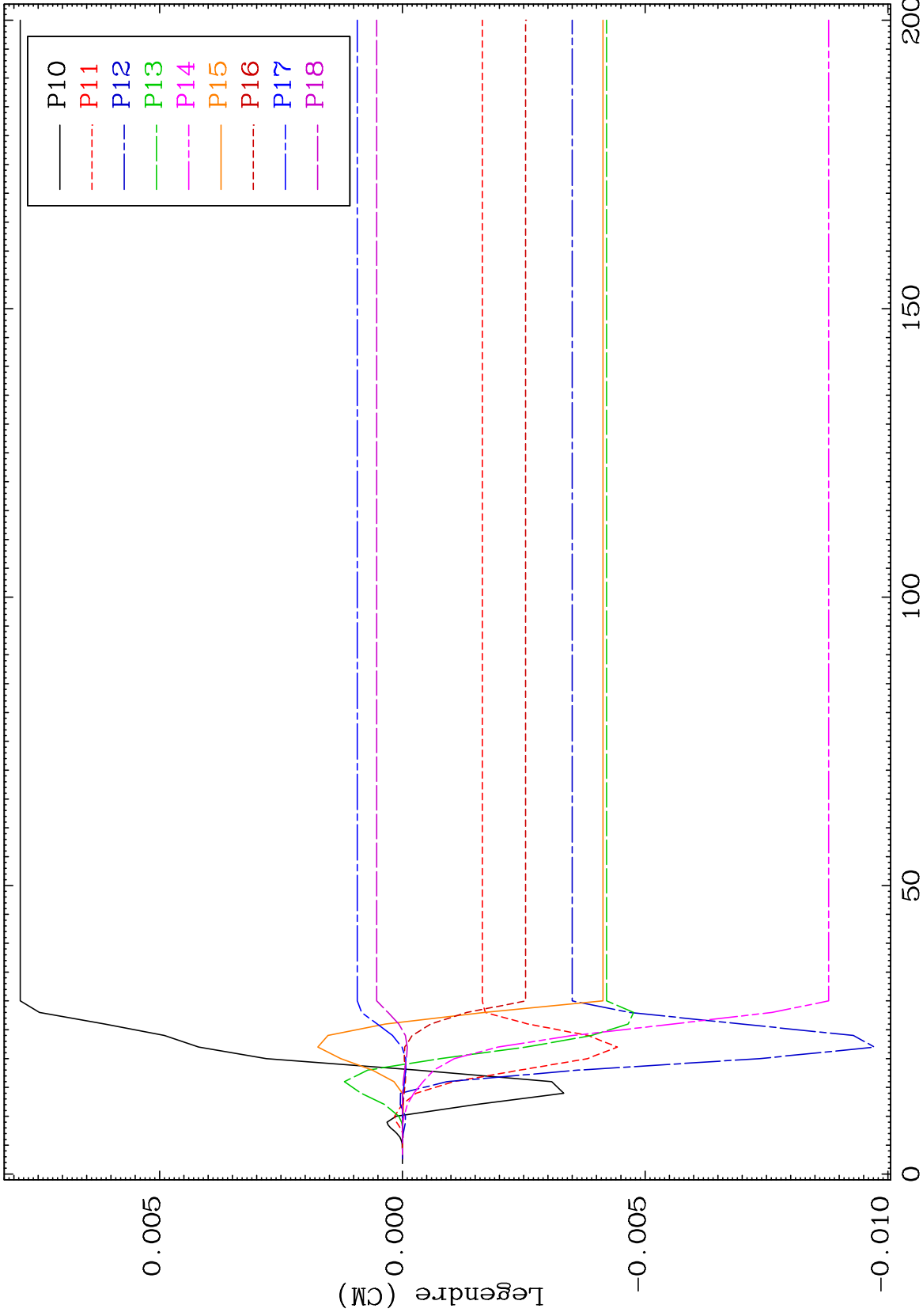
Incident Energy (MeV)

117

MAT 5146

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

51-Sb-128



118

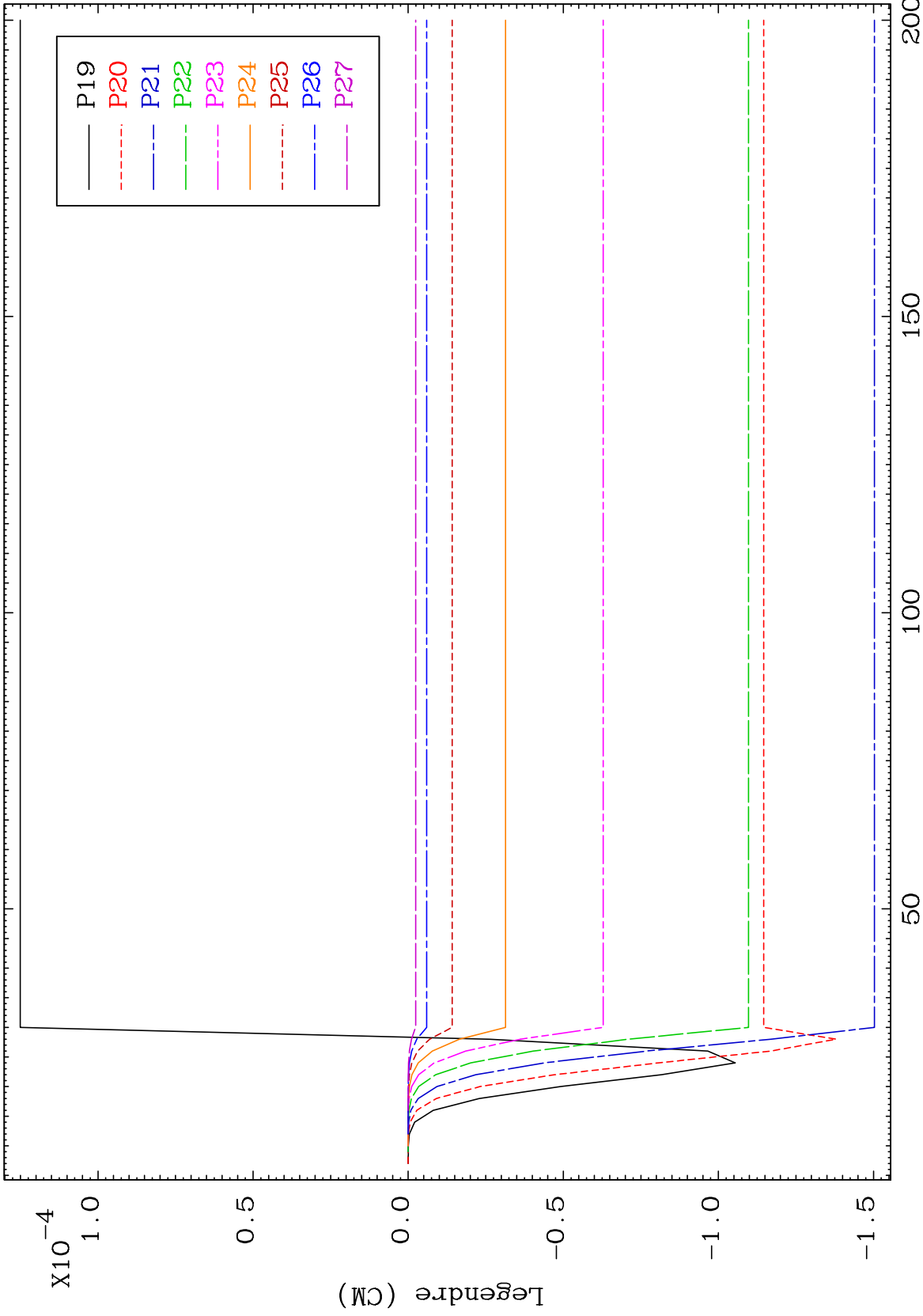
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



119

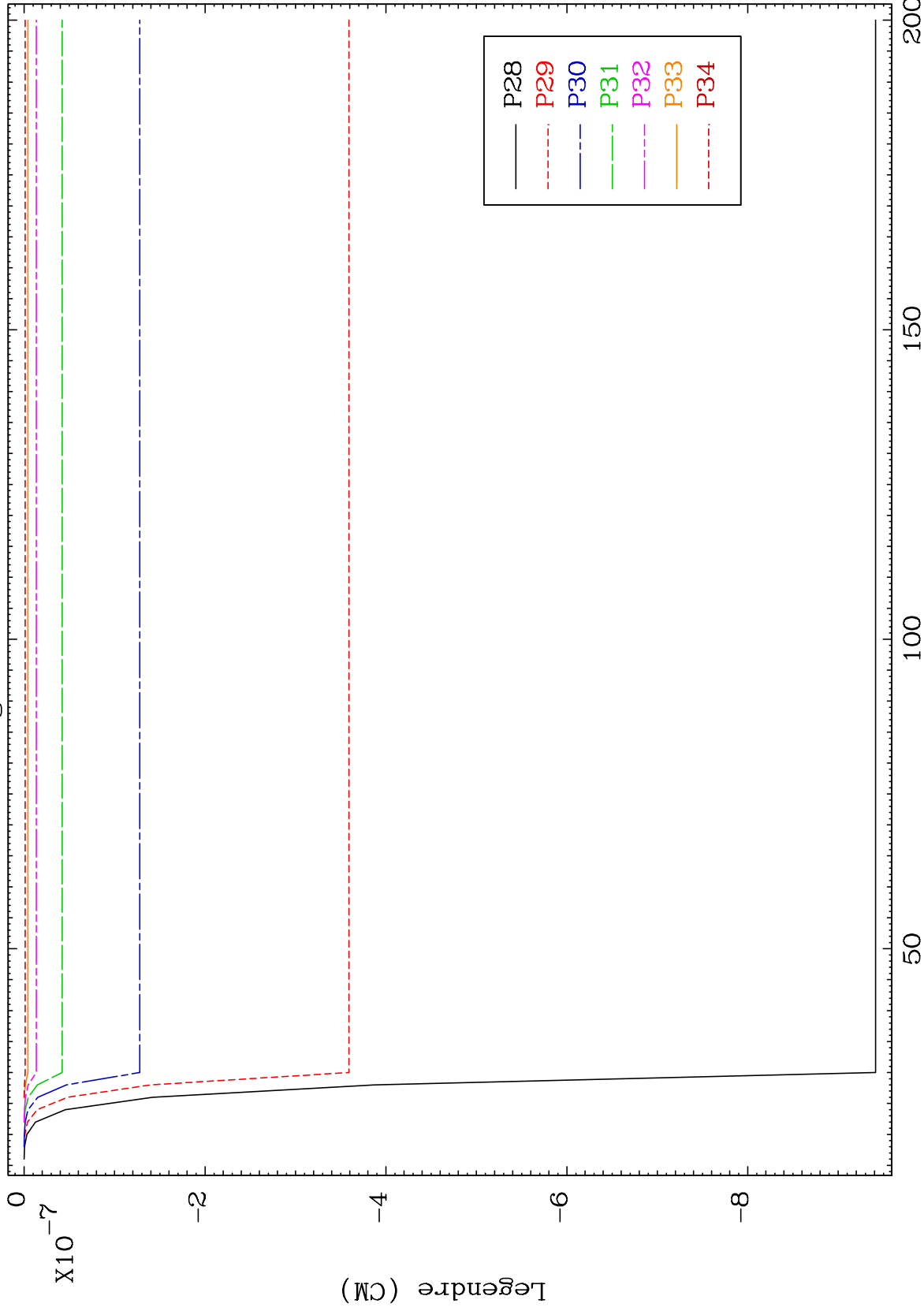
Incident Energy (MeV)

51-Sb-128

MAT 5146

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

51-Sb-128



120

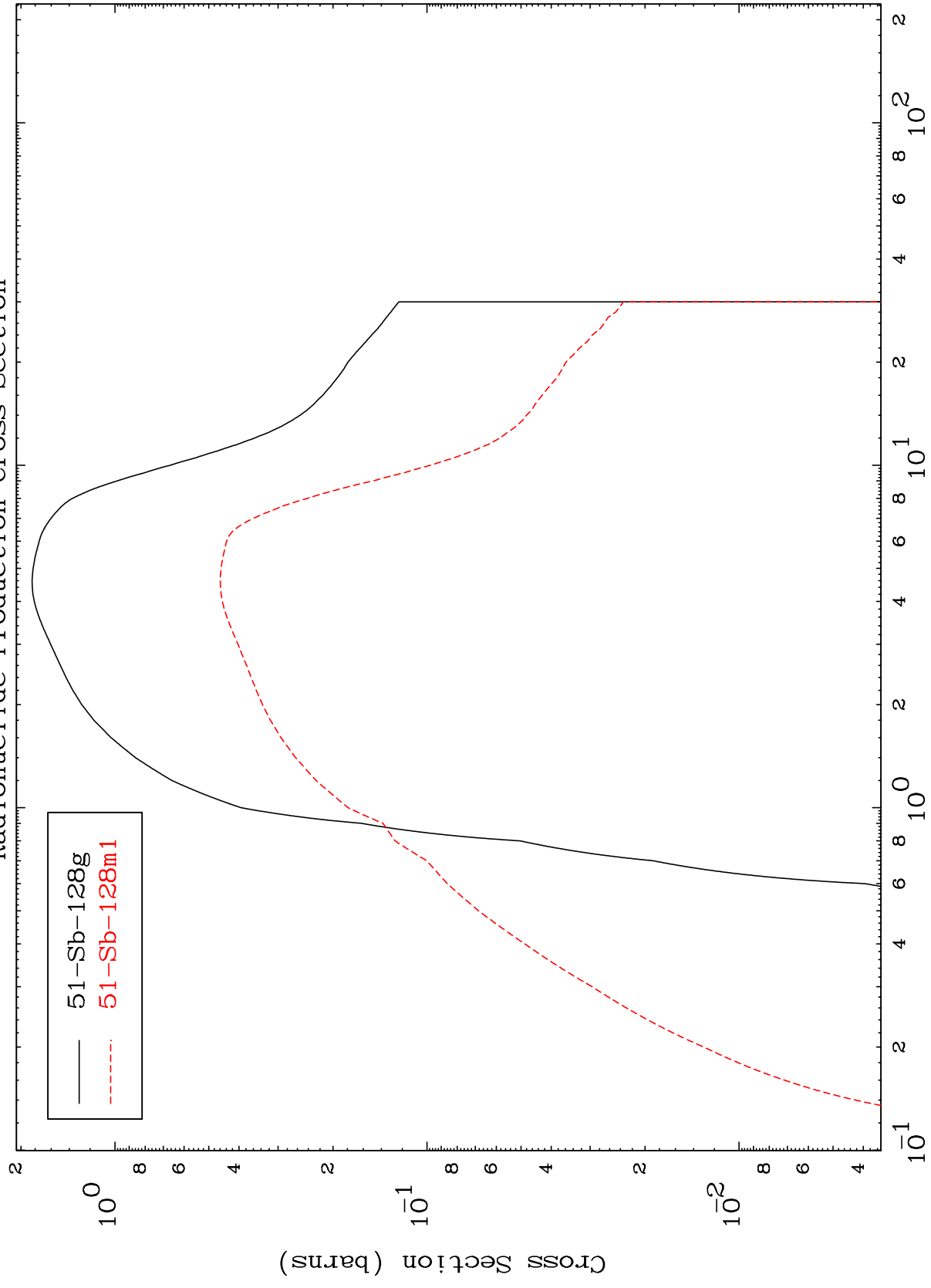
Incident Energy (MeV)

51-Sb-128

MAT 5146

Radionuclide Production Cross Section

51-Sb-128



51-Sb-128g
51-Sb-128m1

121

Incident Energy (MeV)

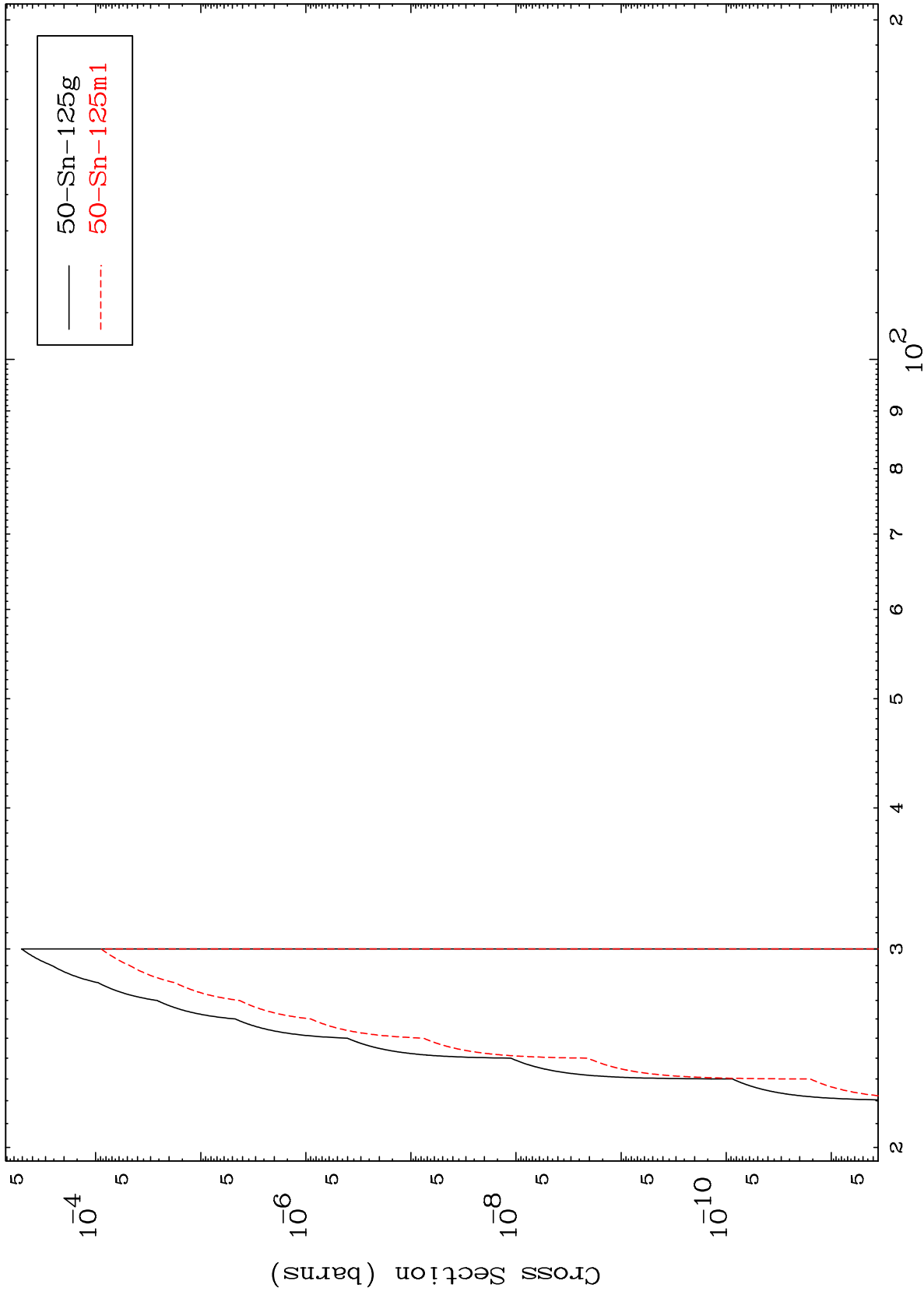
51-Sb-128

MAT 5146

(n,2n) d

51-Sb-128

Radionuclide Production Cross Section



122

Incident Energy (MeV)

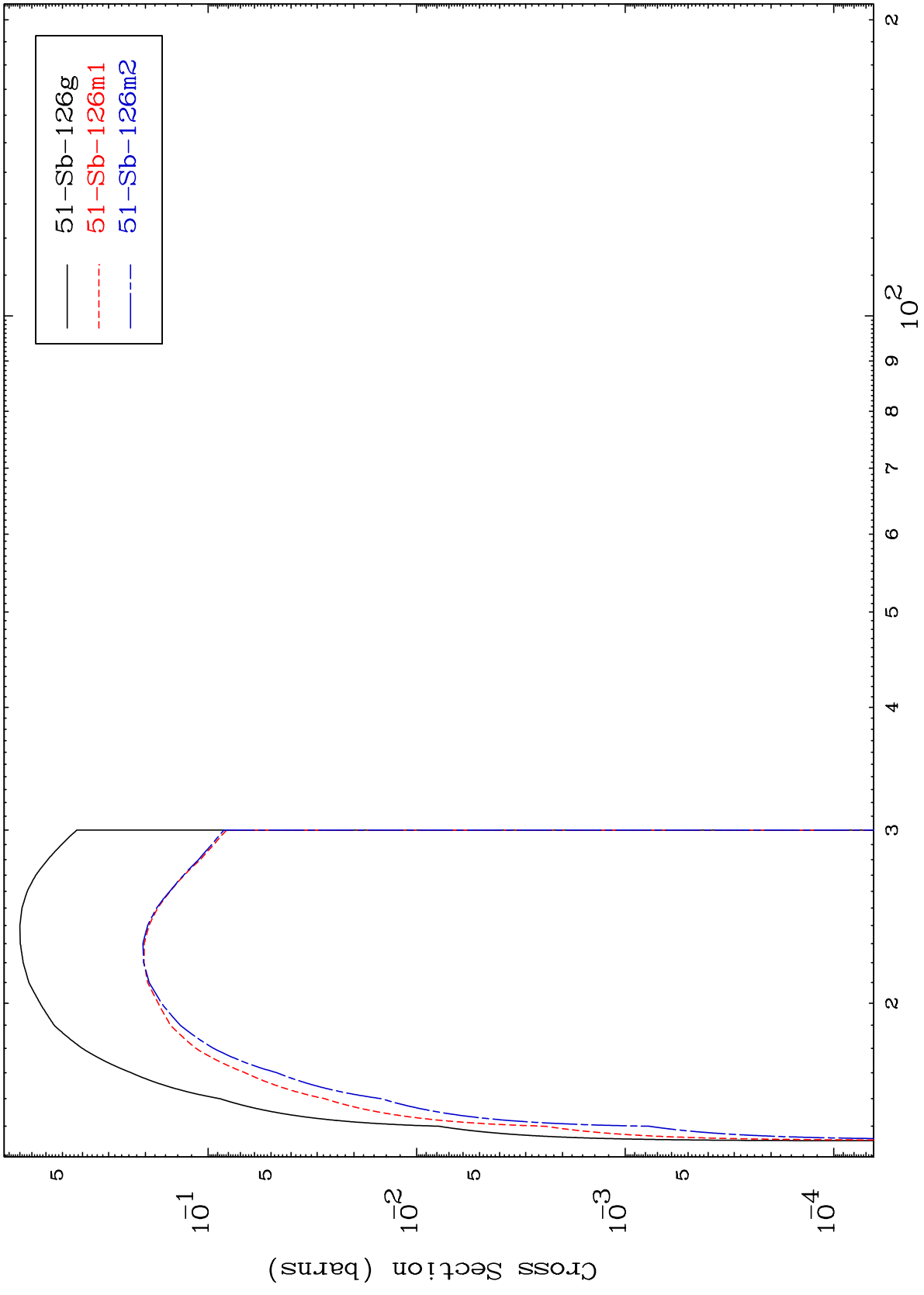
51-Sb-128

MAT 5146

(n,3n)

51-Sb-128

Radionuclide Production Cross Section



123

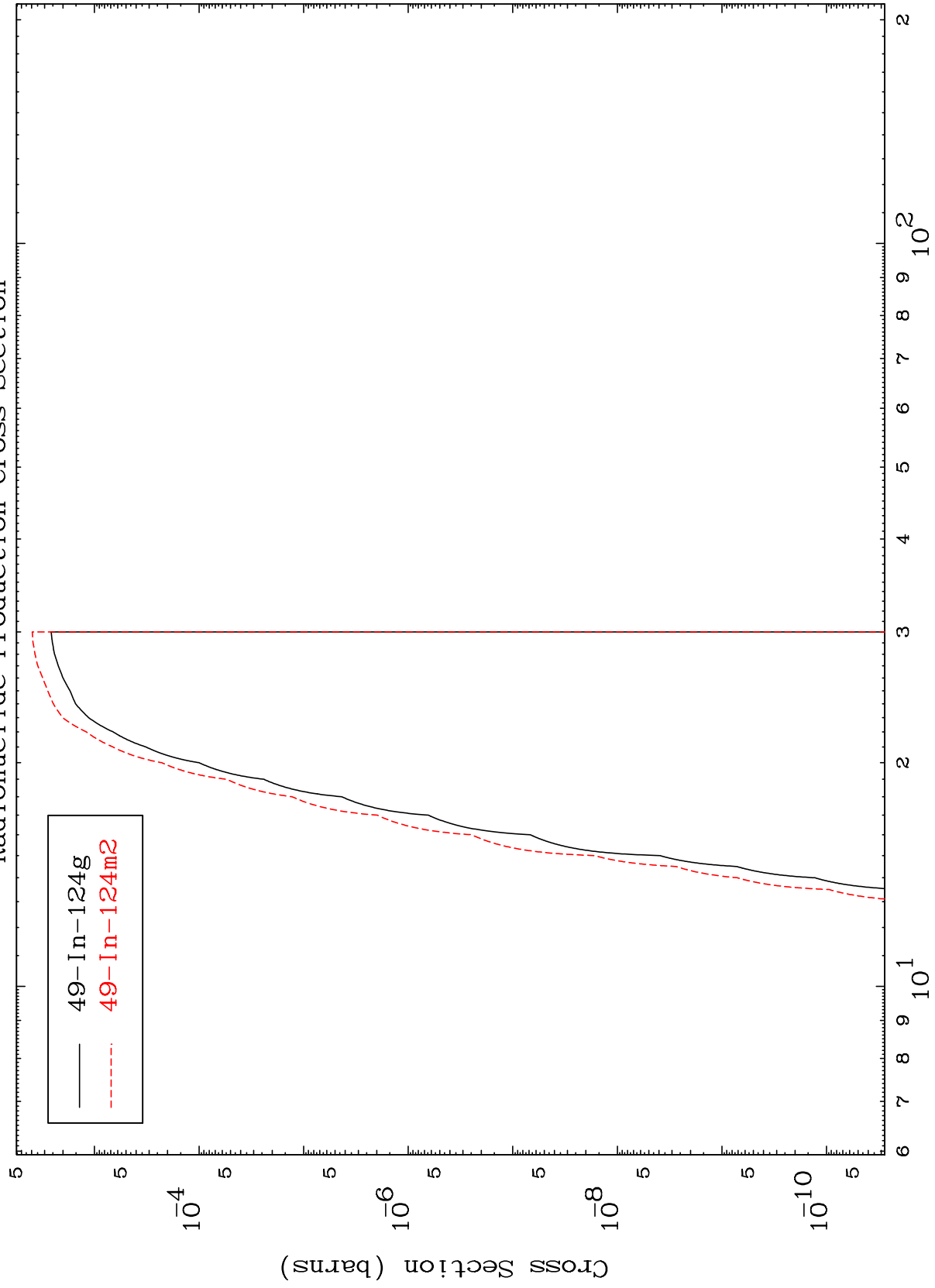
Incident Energy (MeV)

51-Sb-128

MAT 5146

51-Sb-128

(n,n') α
Radionuclide Production Cross Section



49-In-124g
49-In-124m2

124

Incident Energy (MeV)

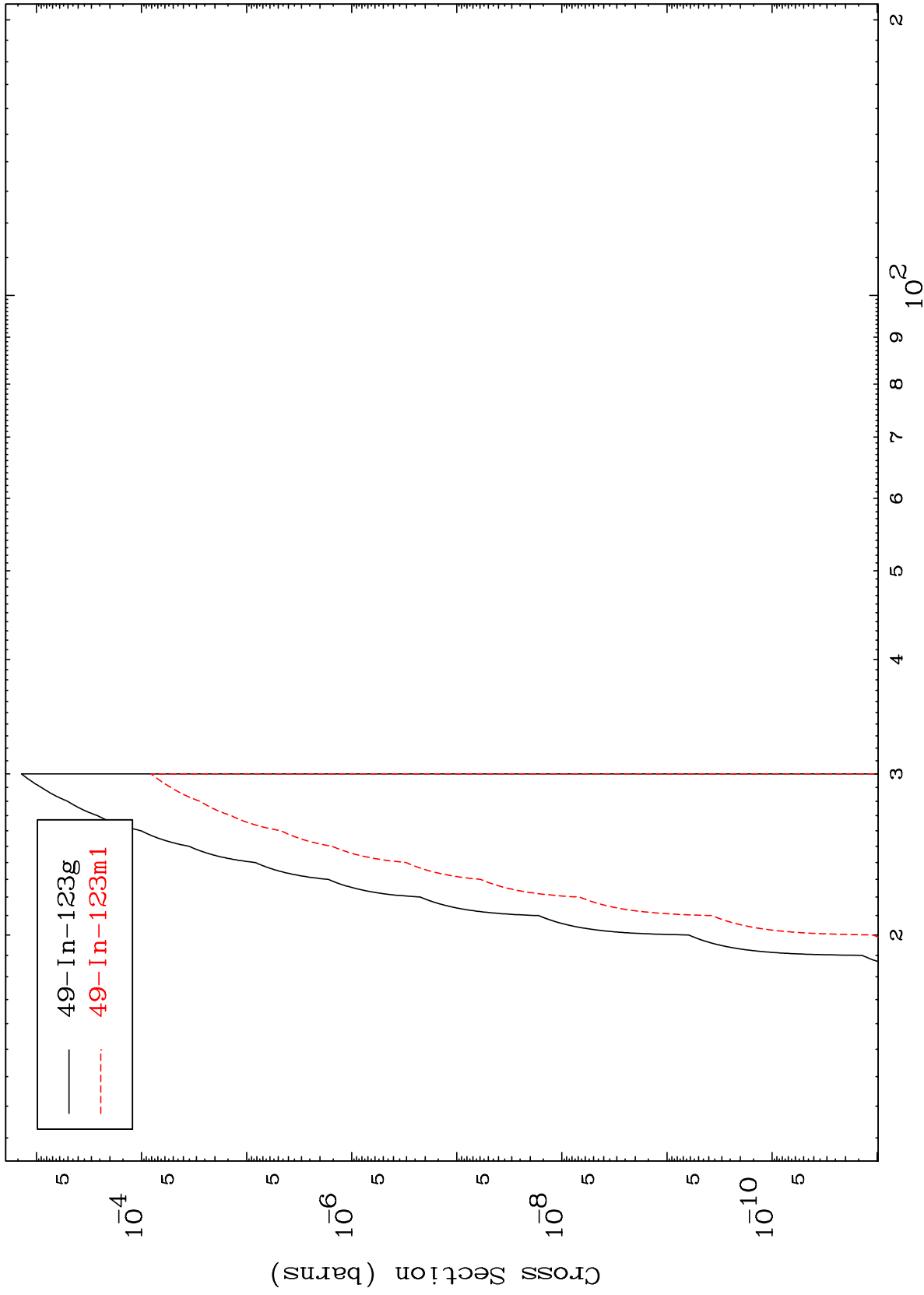
51-Sb-128

MAT 5146

(n,2n) α

51-Sb-128

Radionuclide Production Cross Section



125

Incident Energy (MeV)

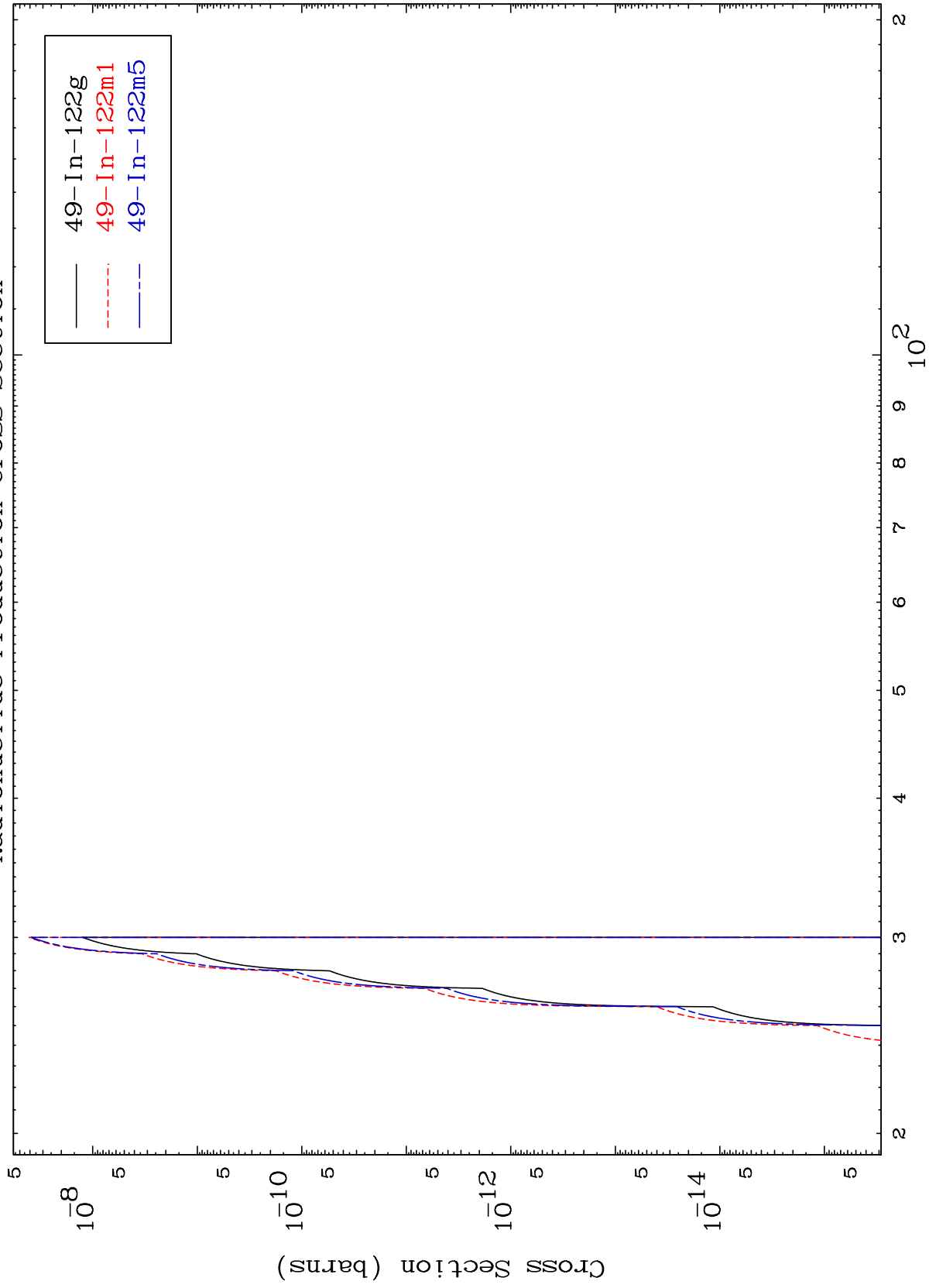
51-Sb-128

MAT 5146

(n,3n) α

51-Sb-128

Radionuclide Production Cross Section



126

Incident Energy (MeV)

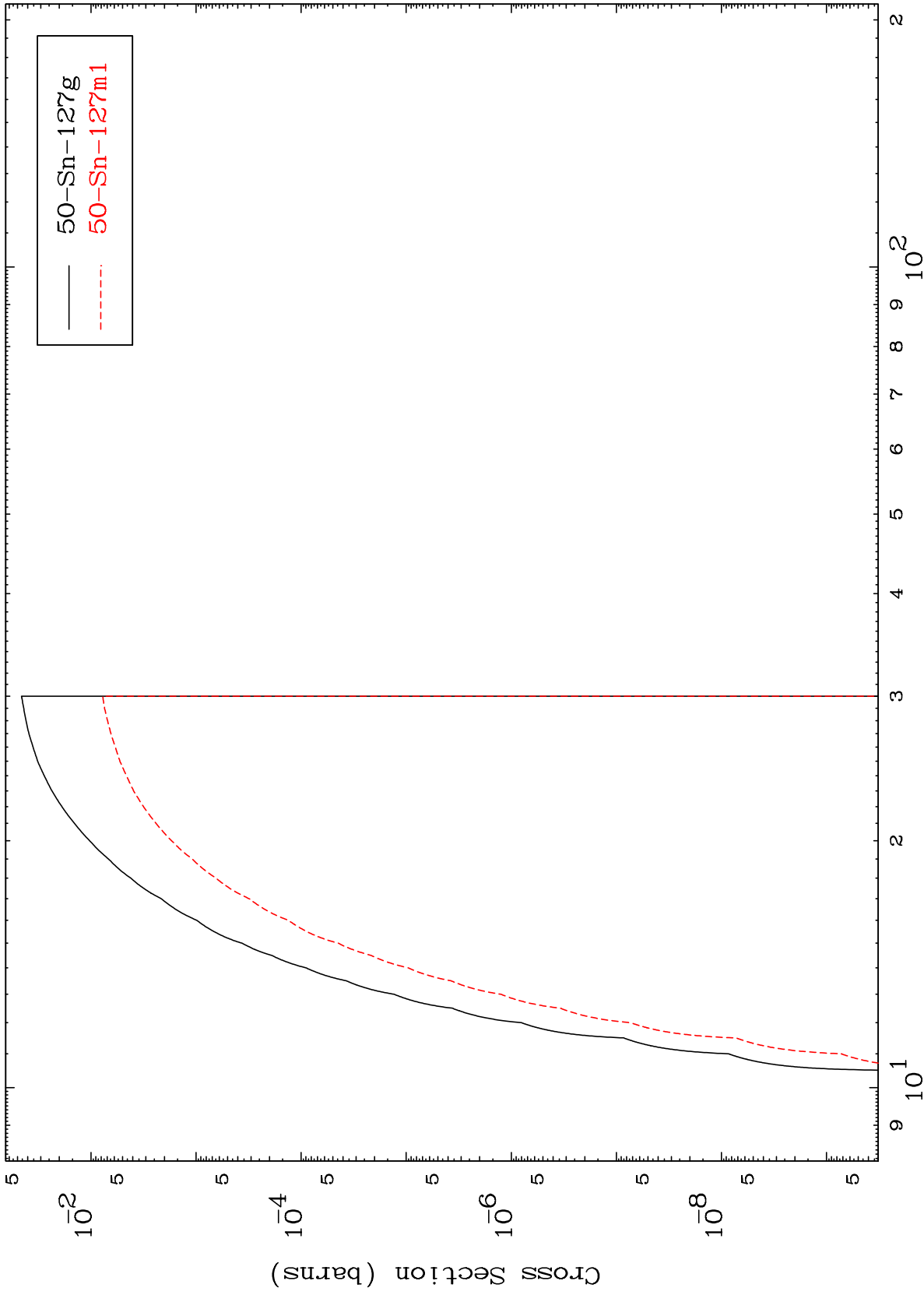
51-Sb-128

MAT 5146

(n,n') p

51-Sb-128

Radionuclide Production Cross Section



127

Incident Energy (MeV)

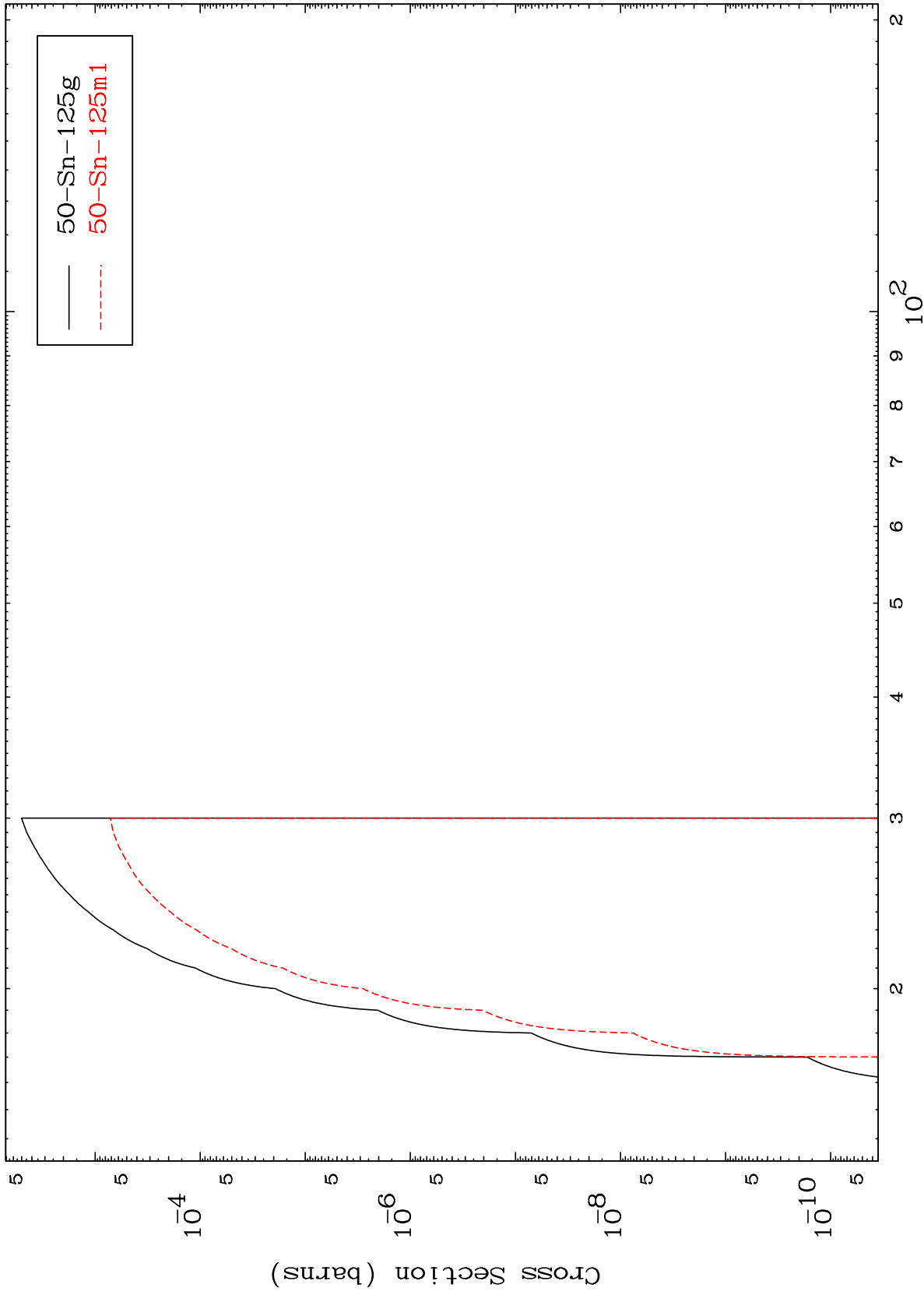
51-Sb-128

MAT 5146

(n,n') t

51-Sb-128

Radionuclide Production Cross Section



128

Incident Energy (MeV)

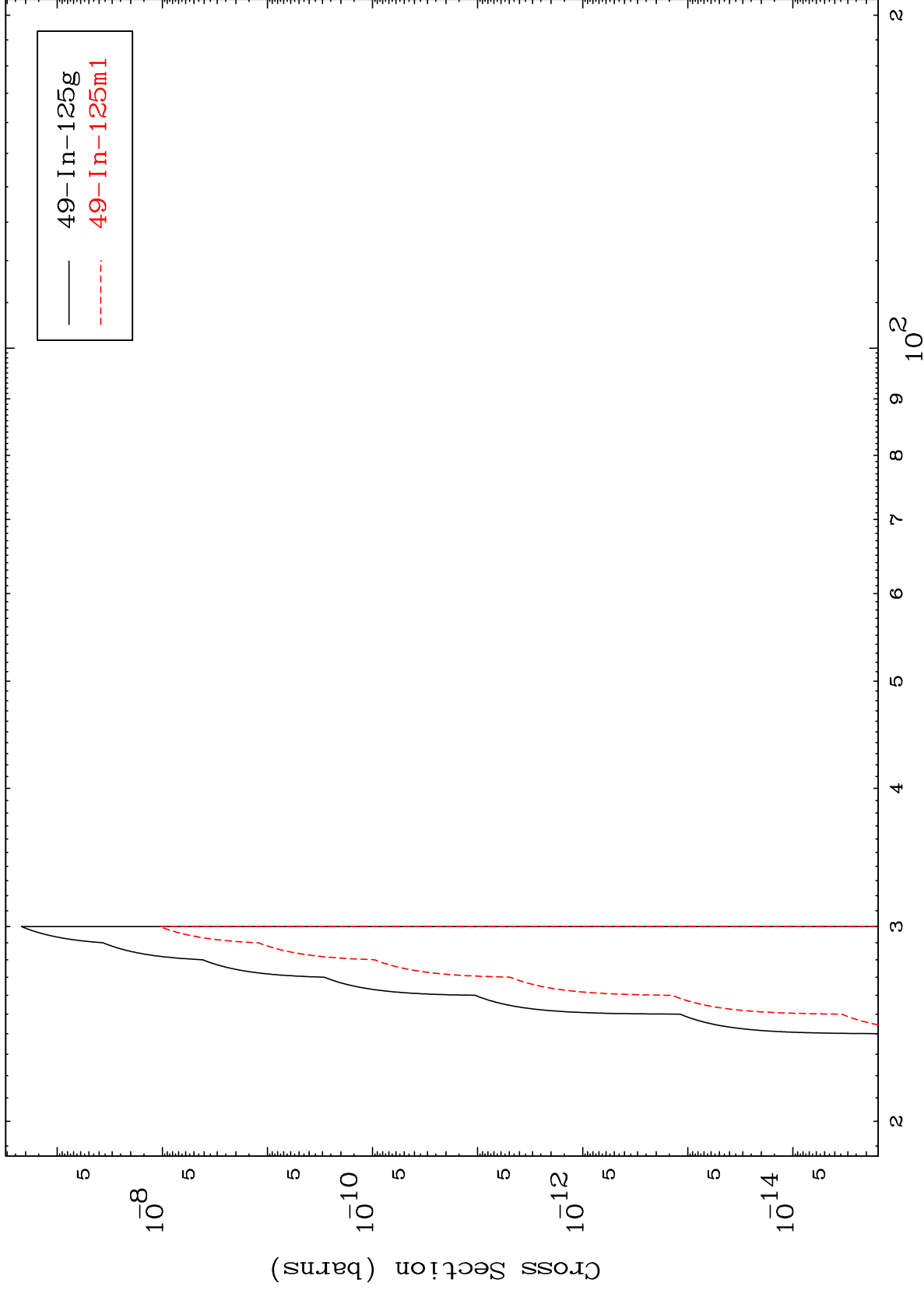
51-Sb-128

MAT 5146

(n, n') He-3

51-Sb-128

Radionuclide Production Cross Section



129

Incident Energy (MeV)

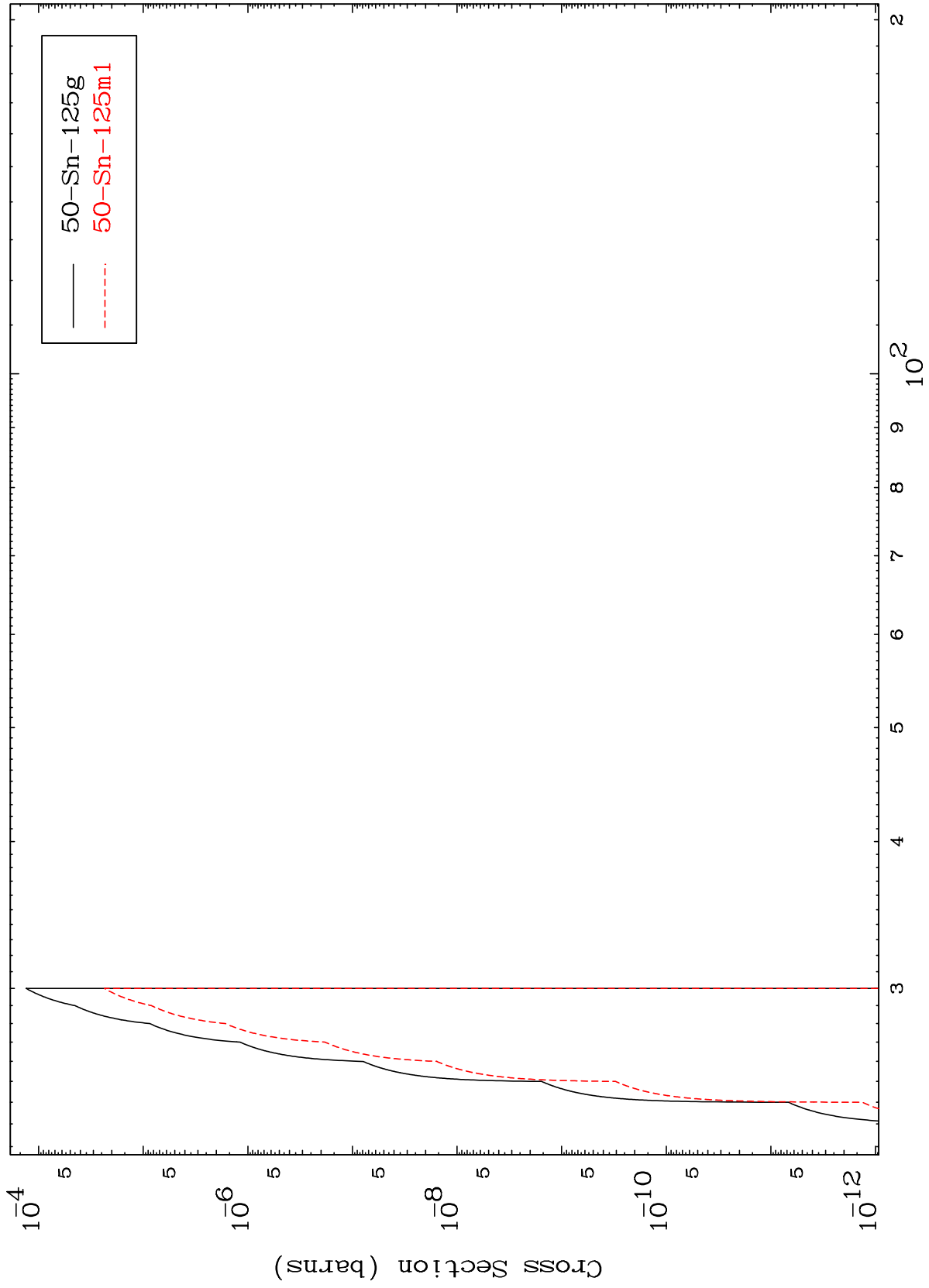
51-Sb-128

MAT 5146

(n,3n) p

51-Sb-128

Radionuclide Production Cross Section



130

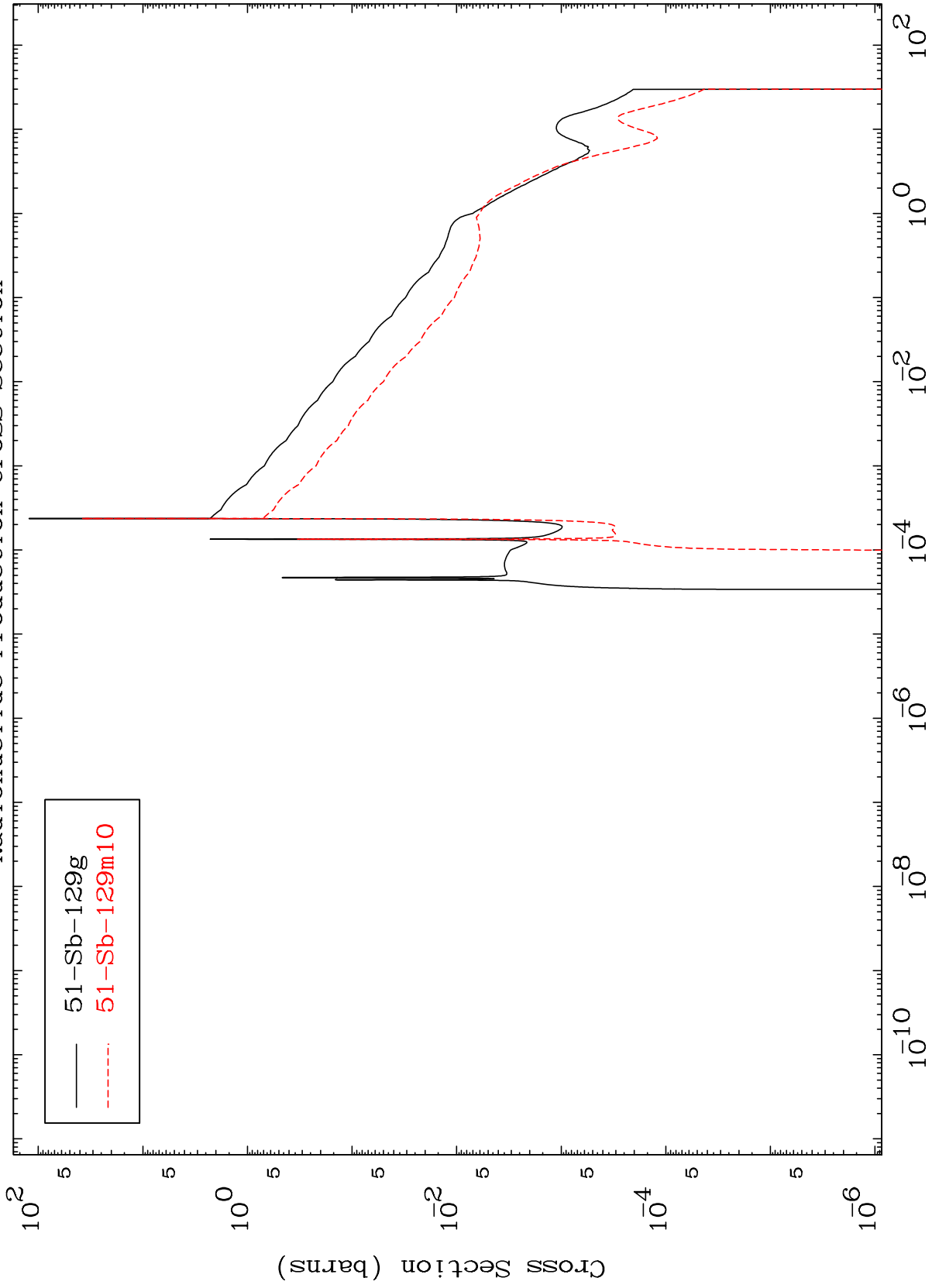
Incident Energy (MeV)

51-Sb-128

MAT 5146

51-Sb-128

Radionuclide Production Cross Section (n,γ)



131

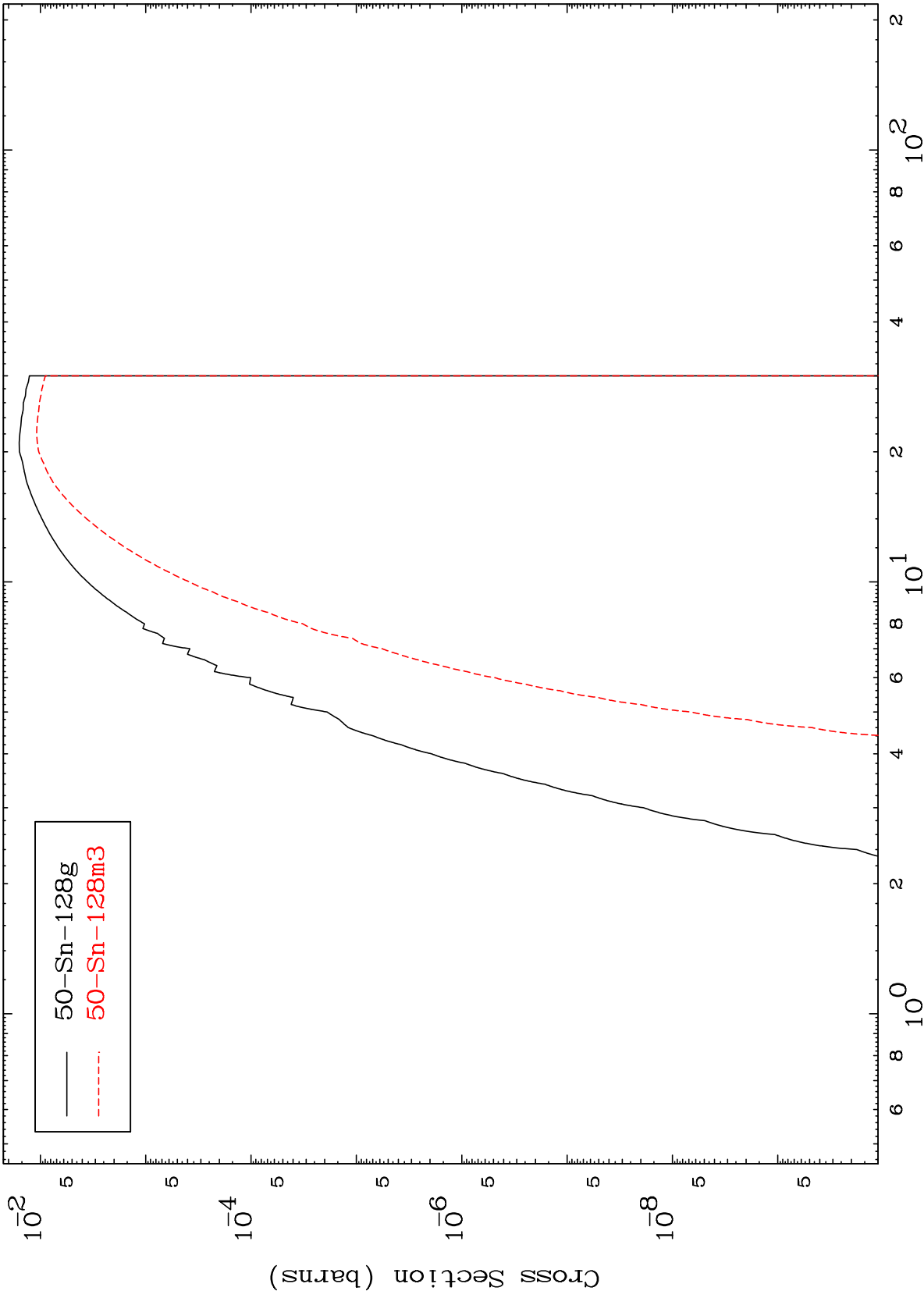
51-Sb-128

MAT 5146

(n,p)

51-Sb-128

Radionuclide Production Cross Section



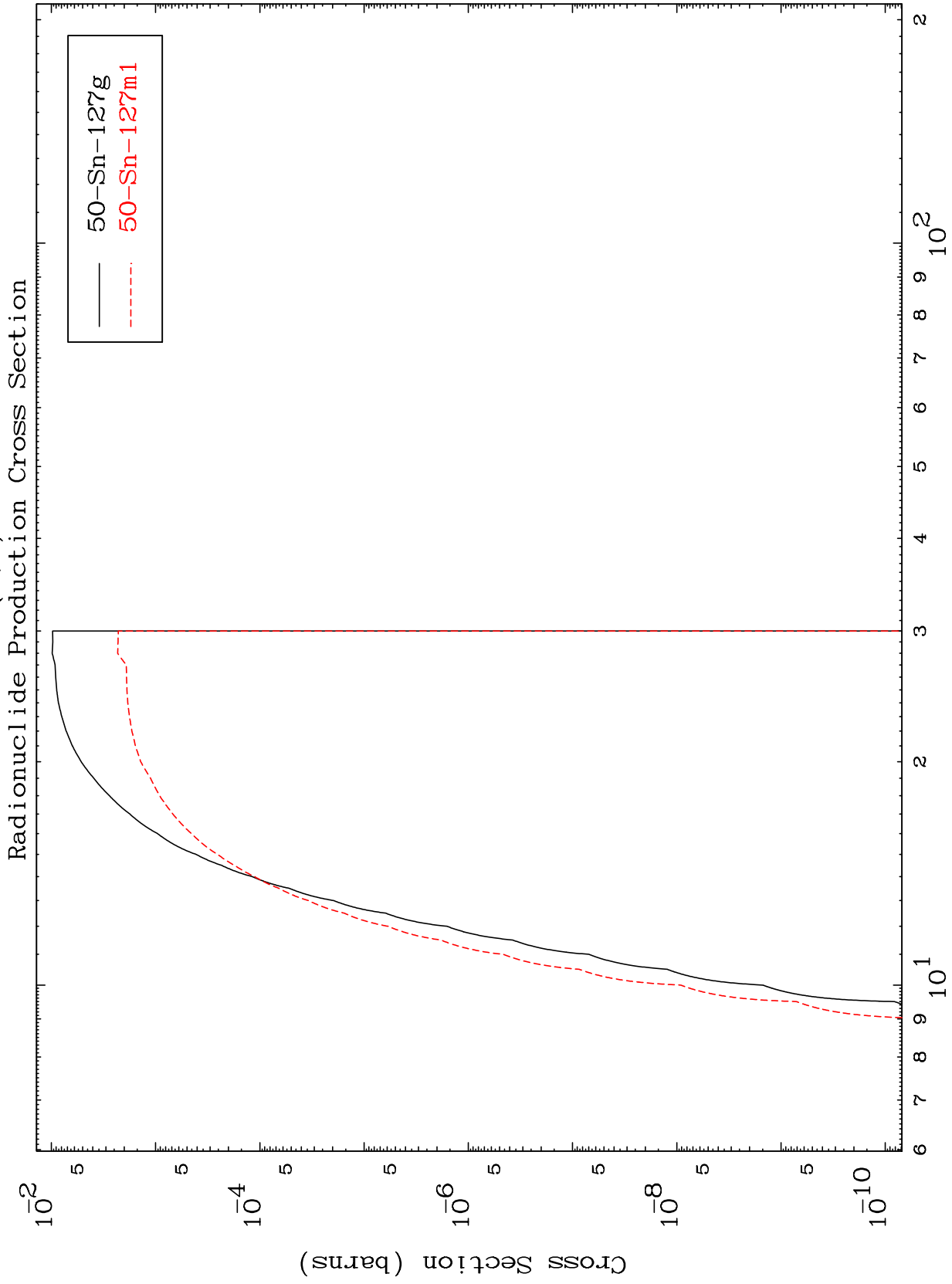
132

51-Sb-128

MAT 5146

(n,d)

51-Sb-128



133

51-Sb-128

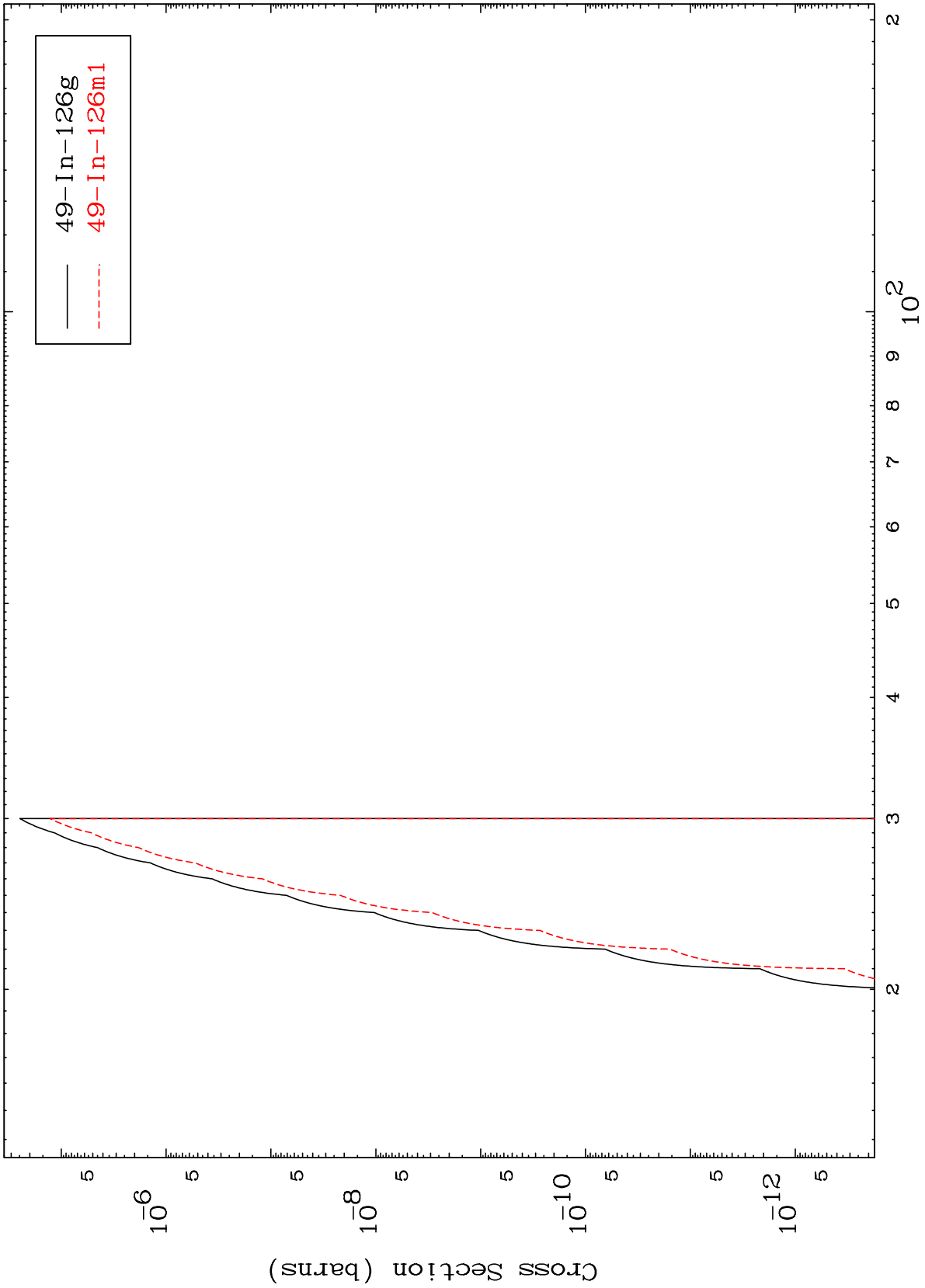
51-Sb-128

MAT 5146

(n,He-3)

51-Sb-128

Radionuclide Production Cross Section



49-In-126g
49-In-126m1

134

Incident Energy (MeV)

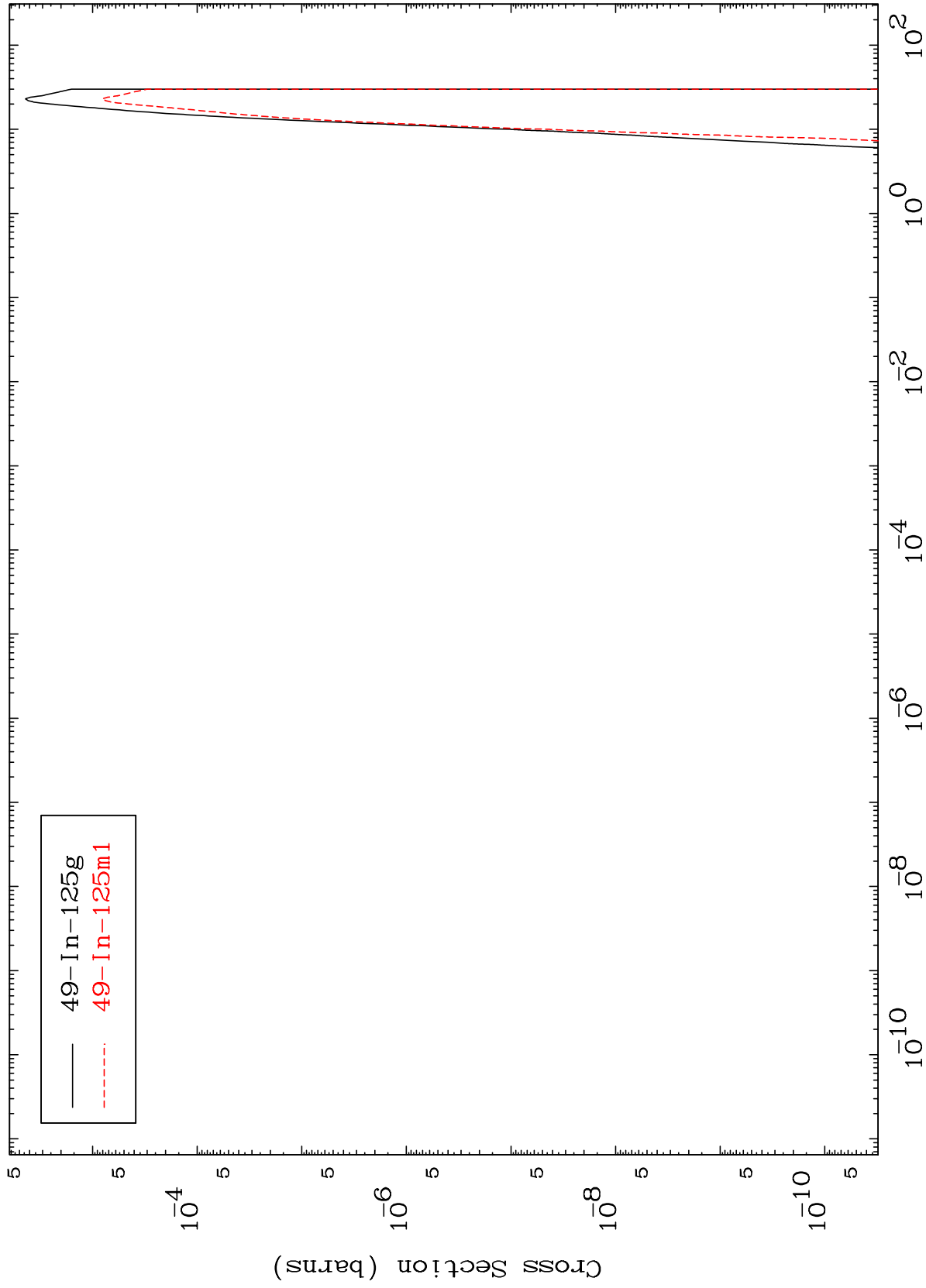
51-Sb-128

MAT 5146

(n, α)

51-Sb-128

Radionuclide Production Cross Section



135

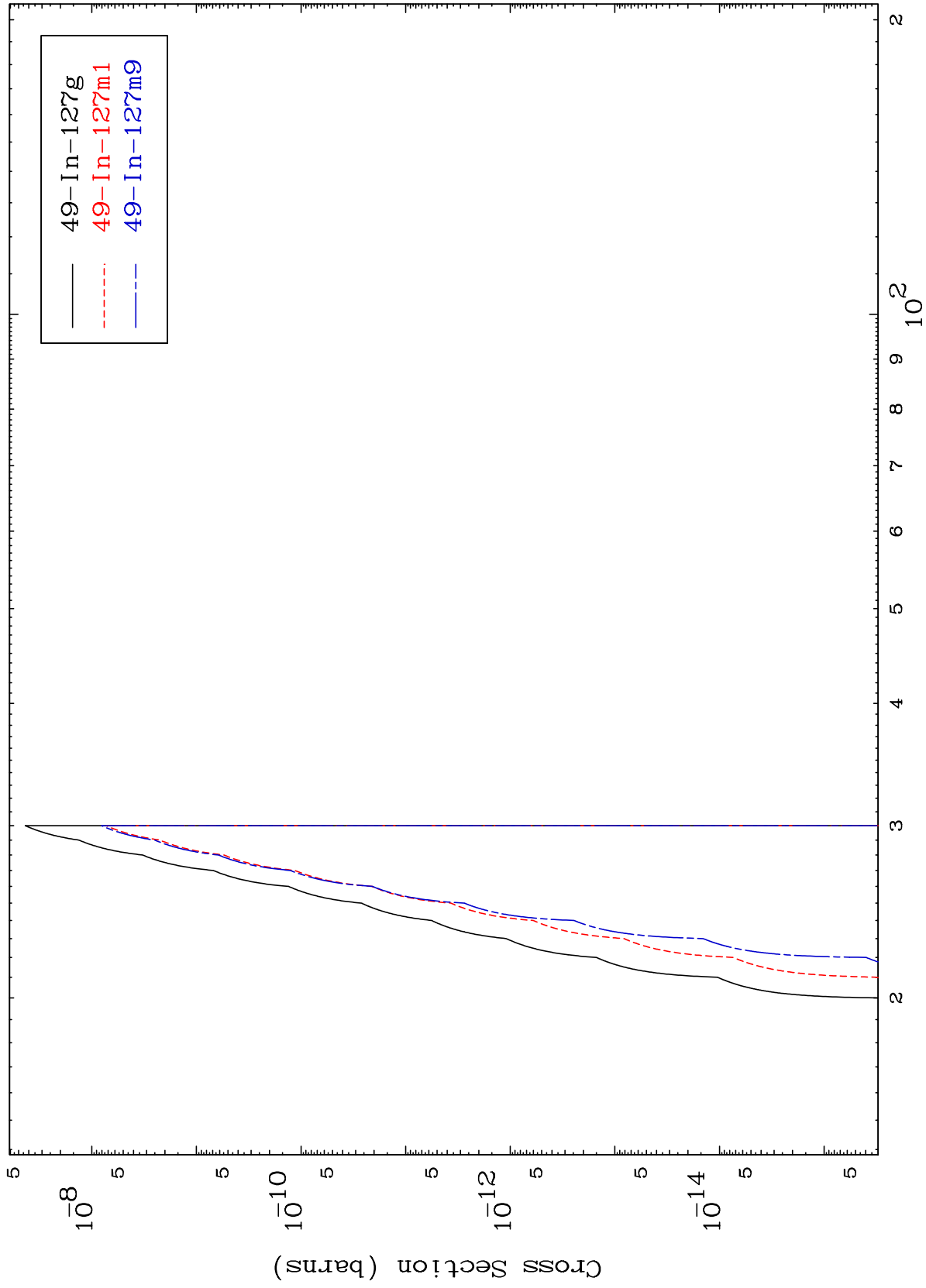
Incident Energy (MeV)

51-Sb-128

MAT 5146

51-Sb-128

(n,2p)
Radionuclide Production Cross Section



136

51-Sb-128