

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

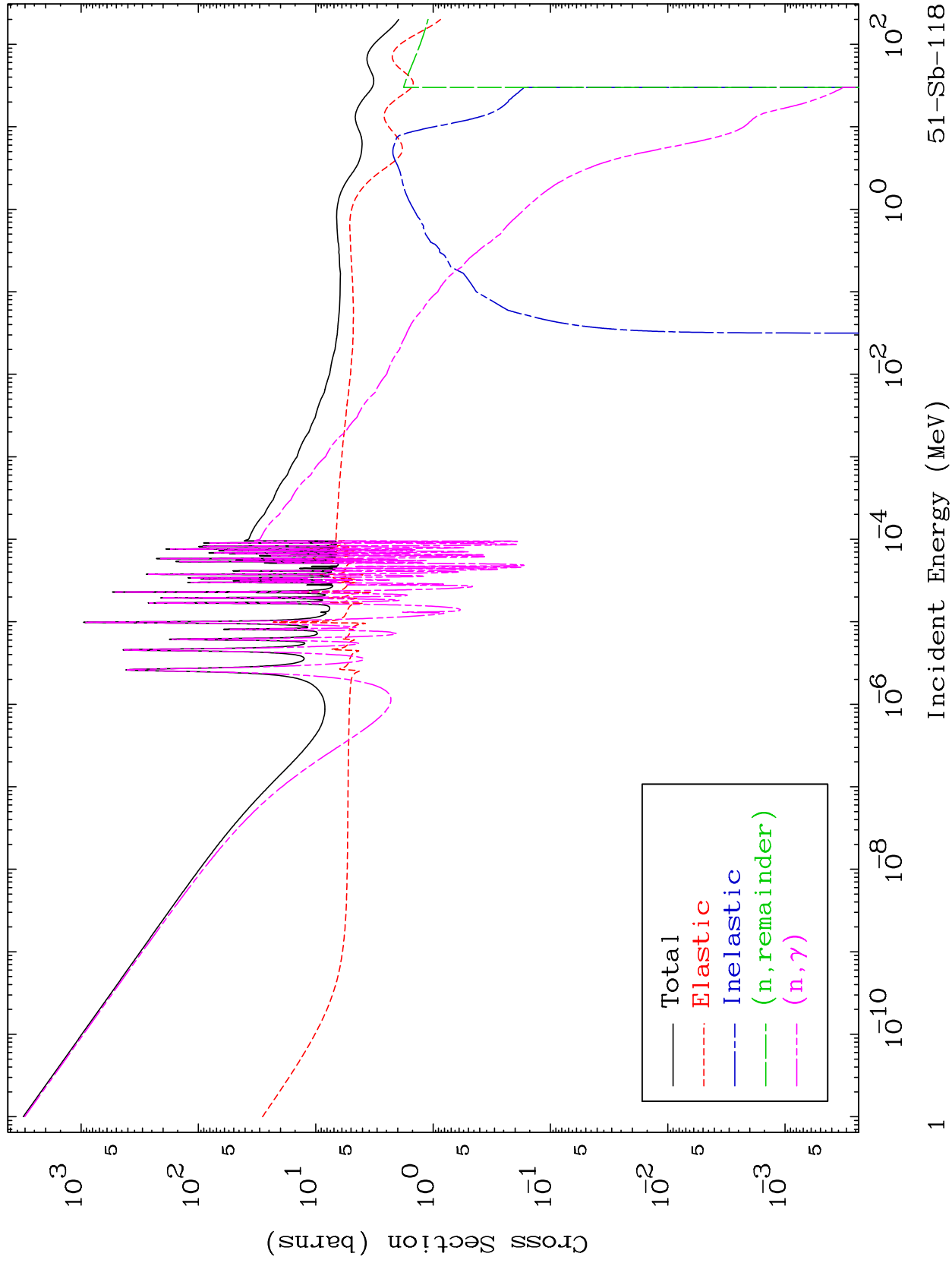
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5116

Major
293 Kelvin Cross Sections

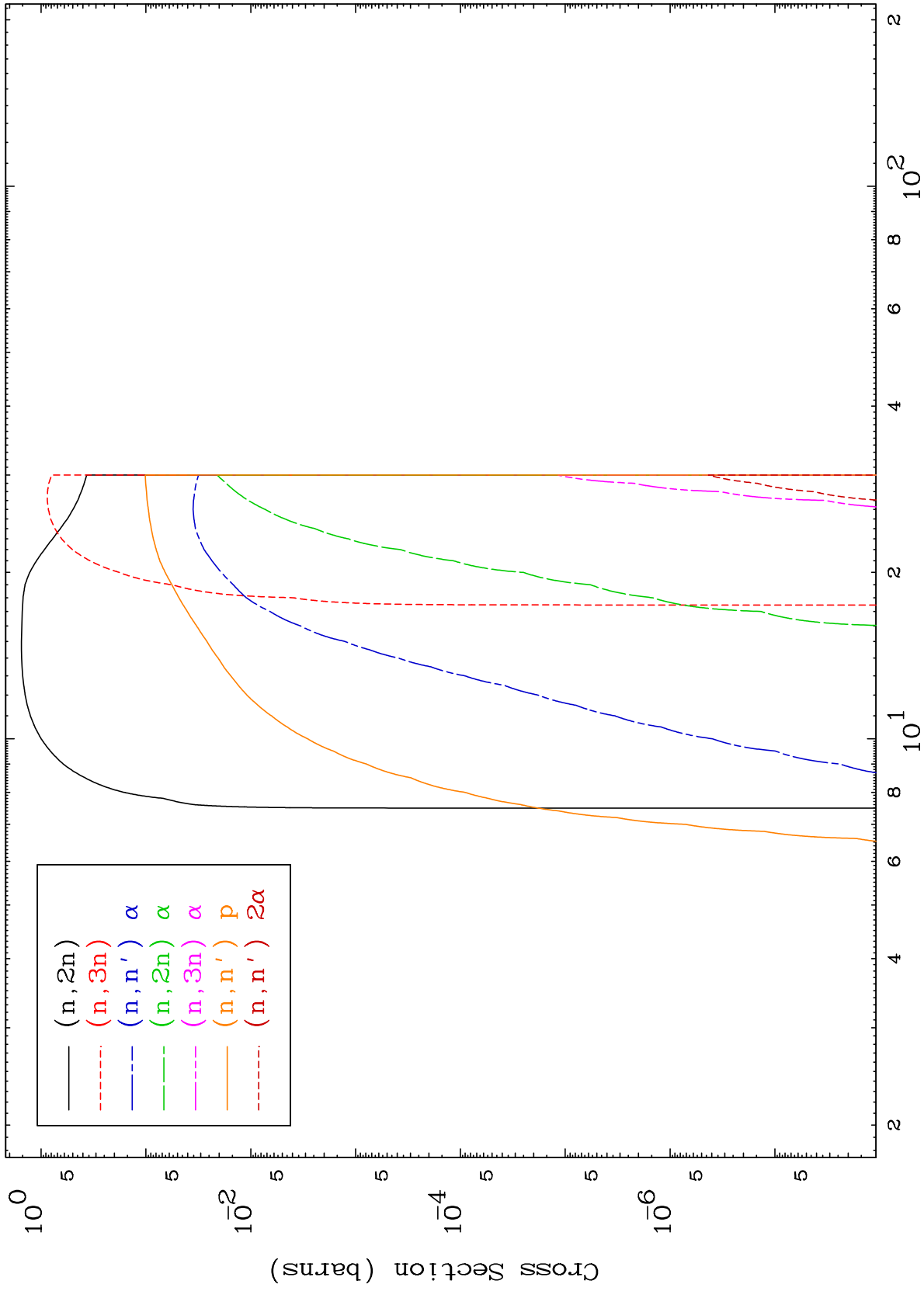
51-Sb-118



MAT 5116

Neutron Production
293 Kelvin Cross Sections

51-Sb-118



2

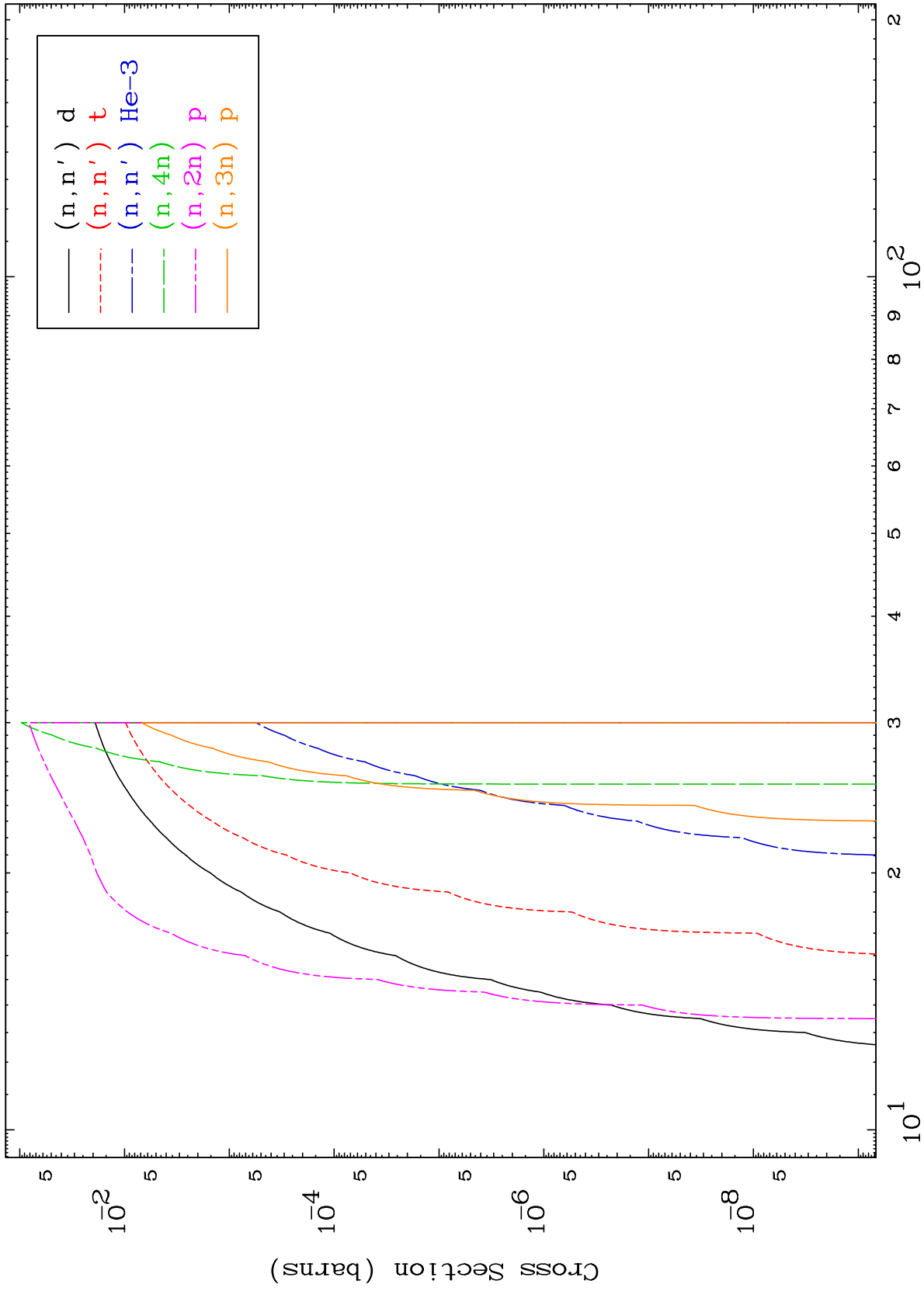
Incident Energy (MeV)

51-Sb-118

MAT 5116

Neutron Production 293 Kelvin Cross Sections

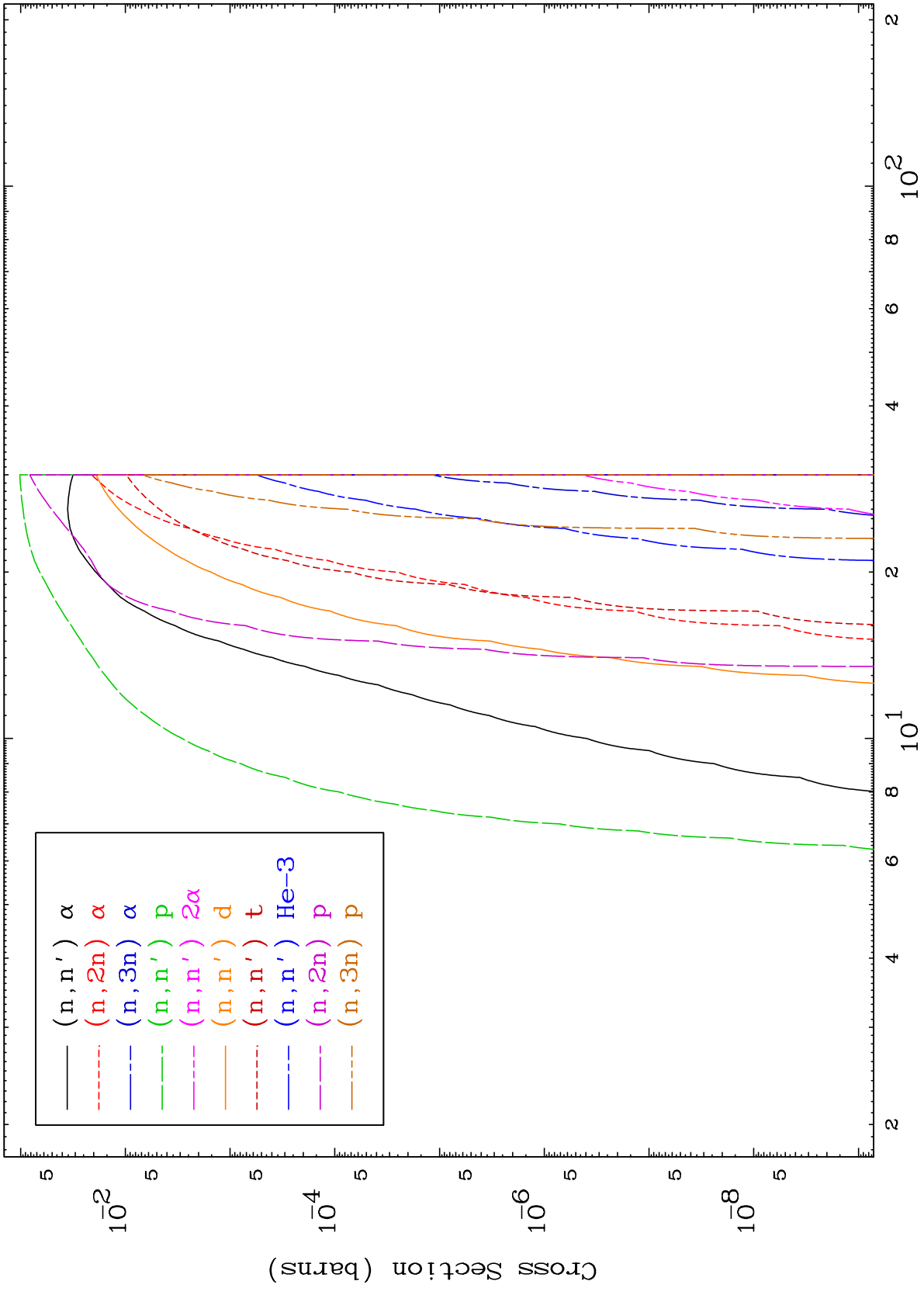
51-Sb-118



51-Sb-118

Incident Energy (MeV)

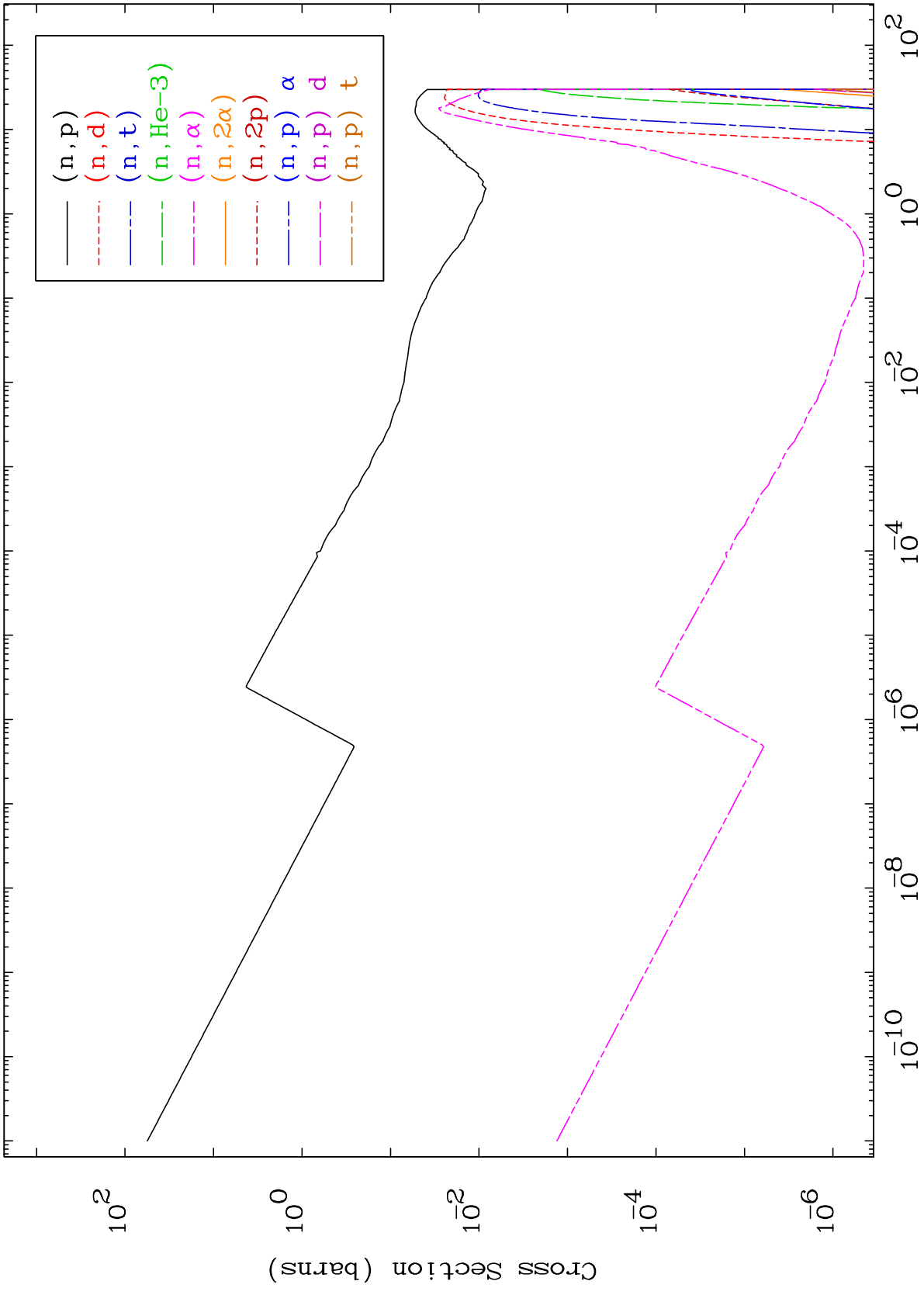
3



MAT 5116

293 Kelvin Cross Sections

51-Sb-118



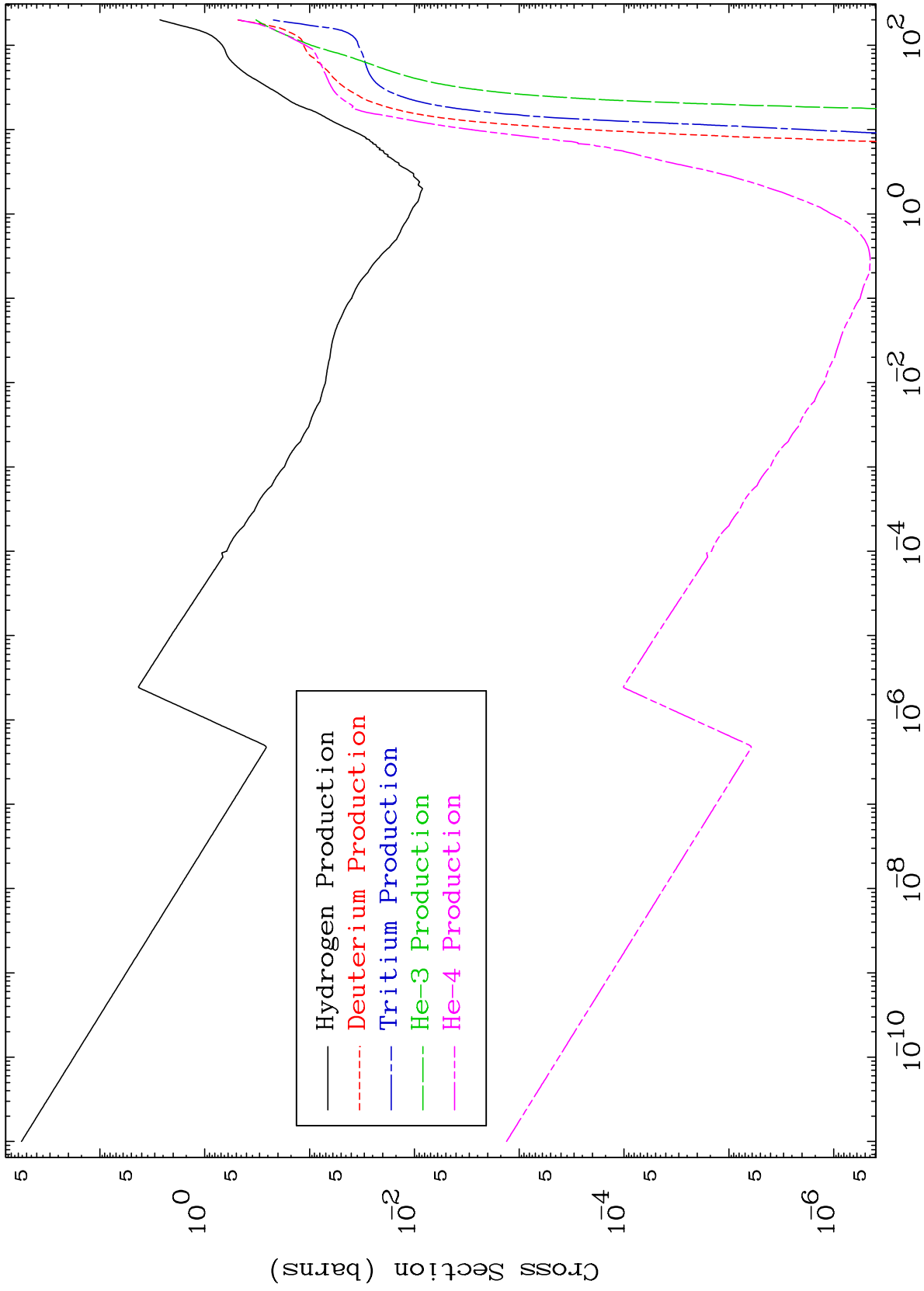
5

51-Sb-118

MAT 5116

Particle Production
293 Kelvin Cross Sections

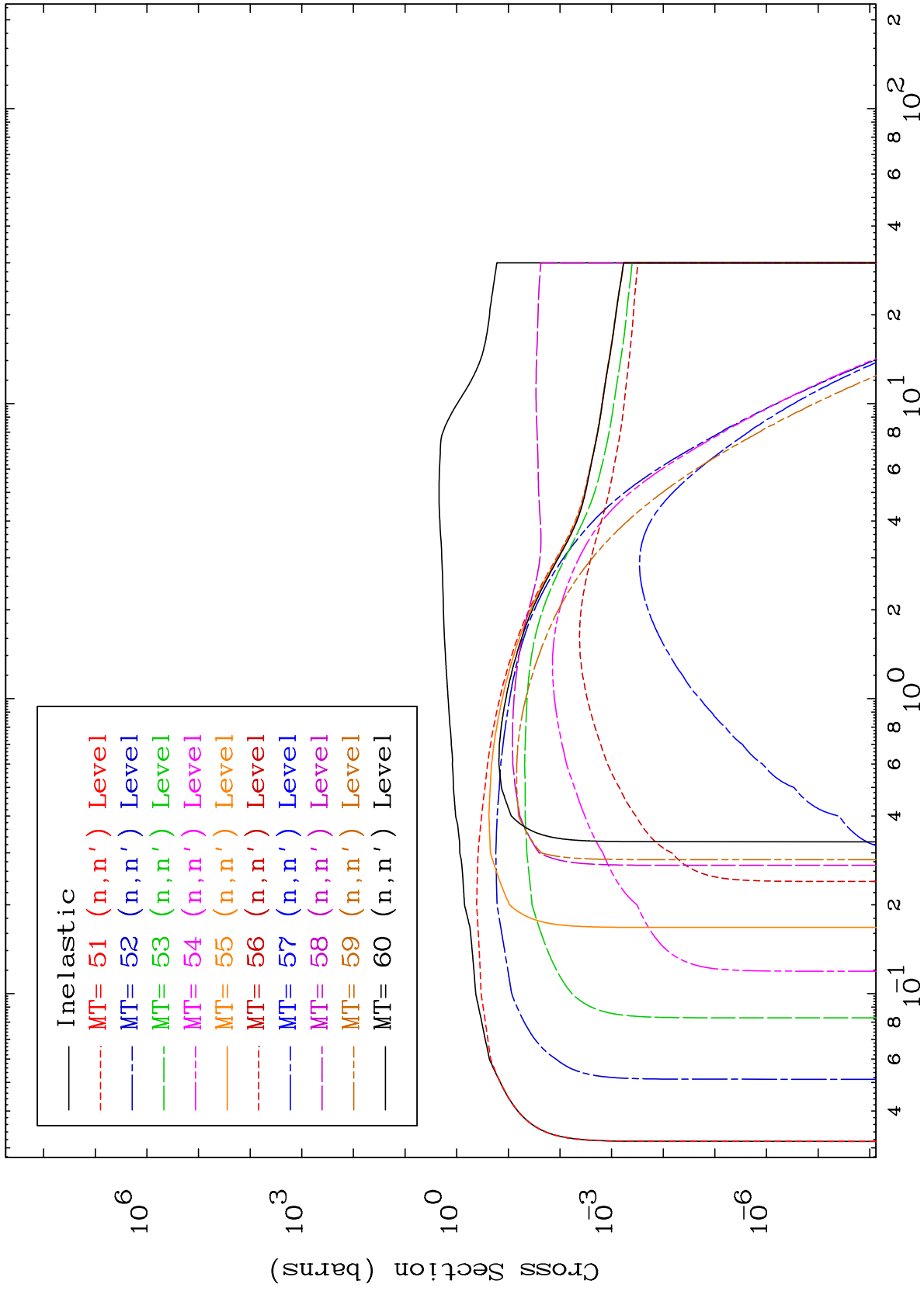
51-Sb-118



6

Incident Energy (MeV)

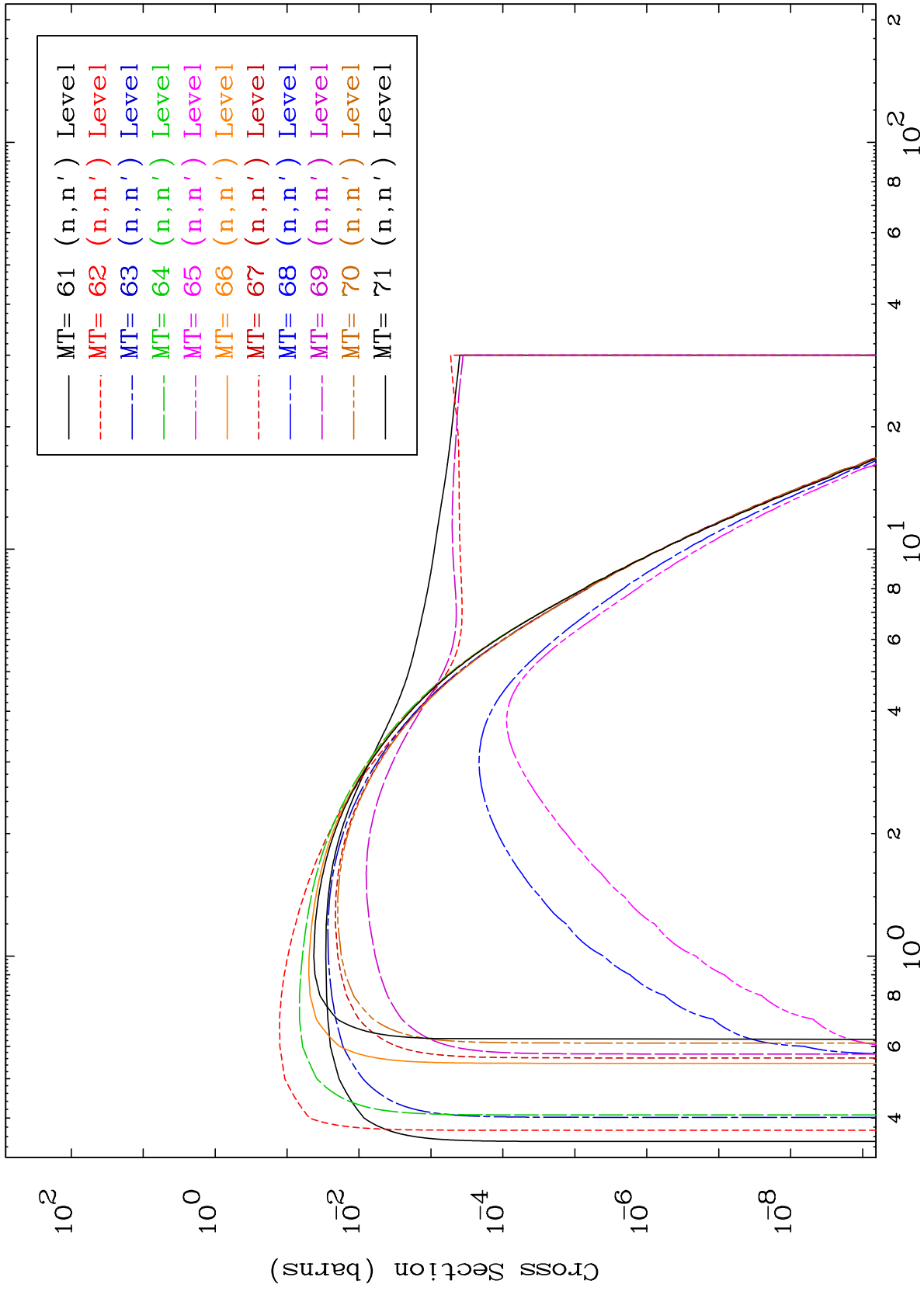
51-Sb-118



MAT 5116

(n,n') Level
293 Kelvin Cross Sections

51-Sb-118



8

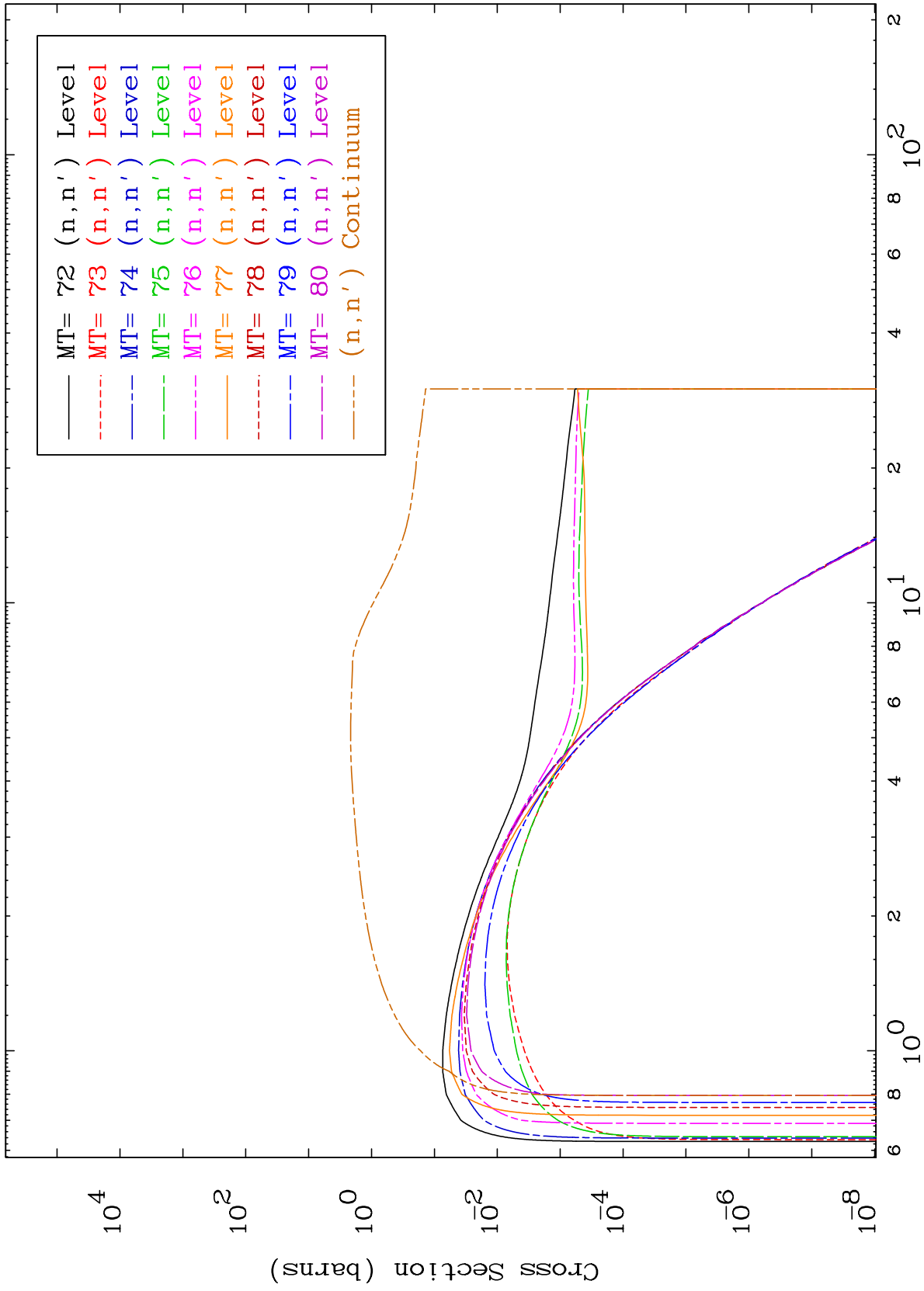
Incident Energy (MeV)

51-Sb-118

MAT 5116

(n,n') Level
293 Kelvin Cross Sections

51-Sb-118



9

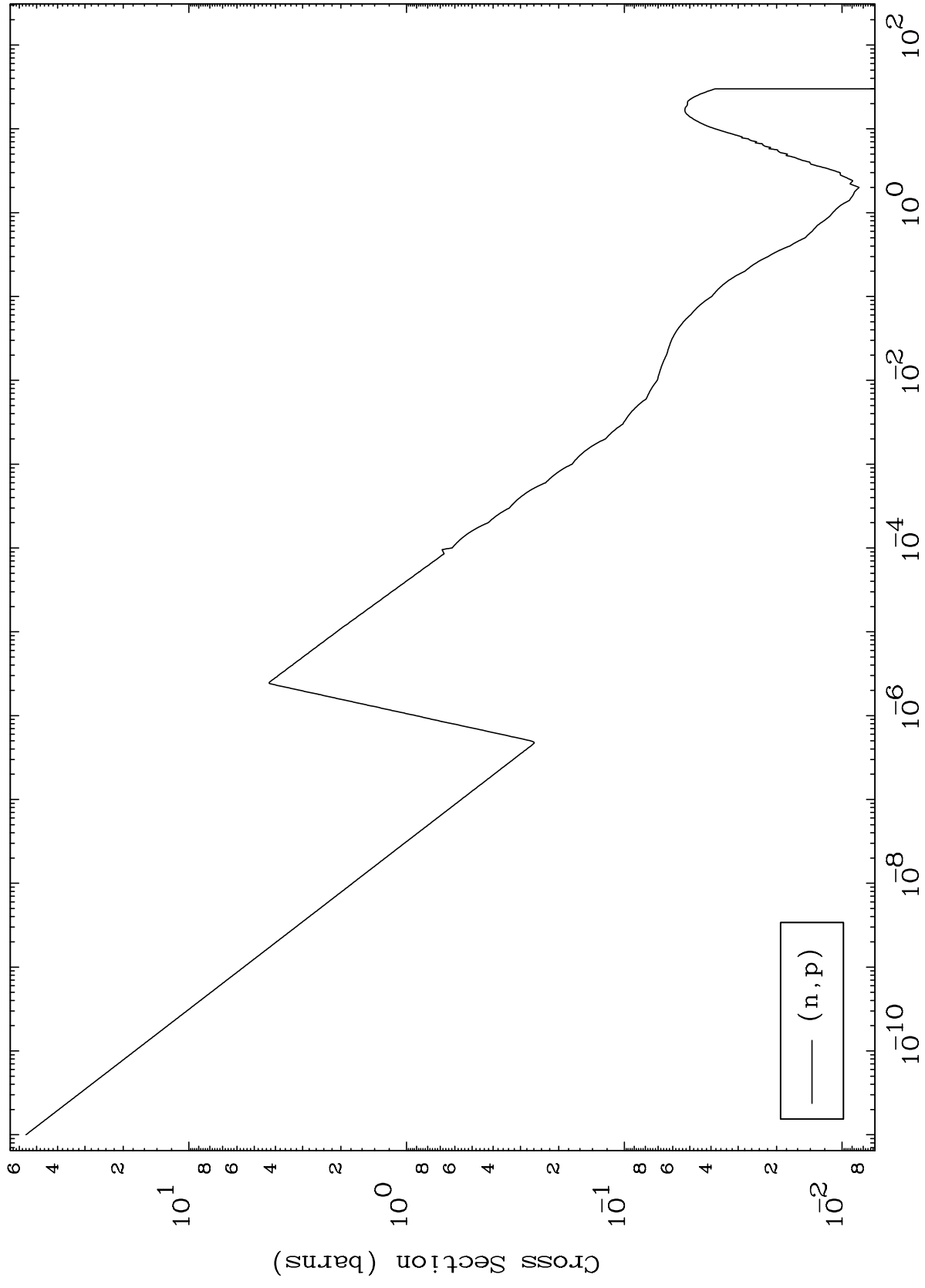
Incident Energy (MeV)

51-Sb-118

MAT 5116

(n,p) Levels
293 Kelvin Cross Sections

51-Sb-118



10

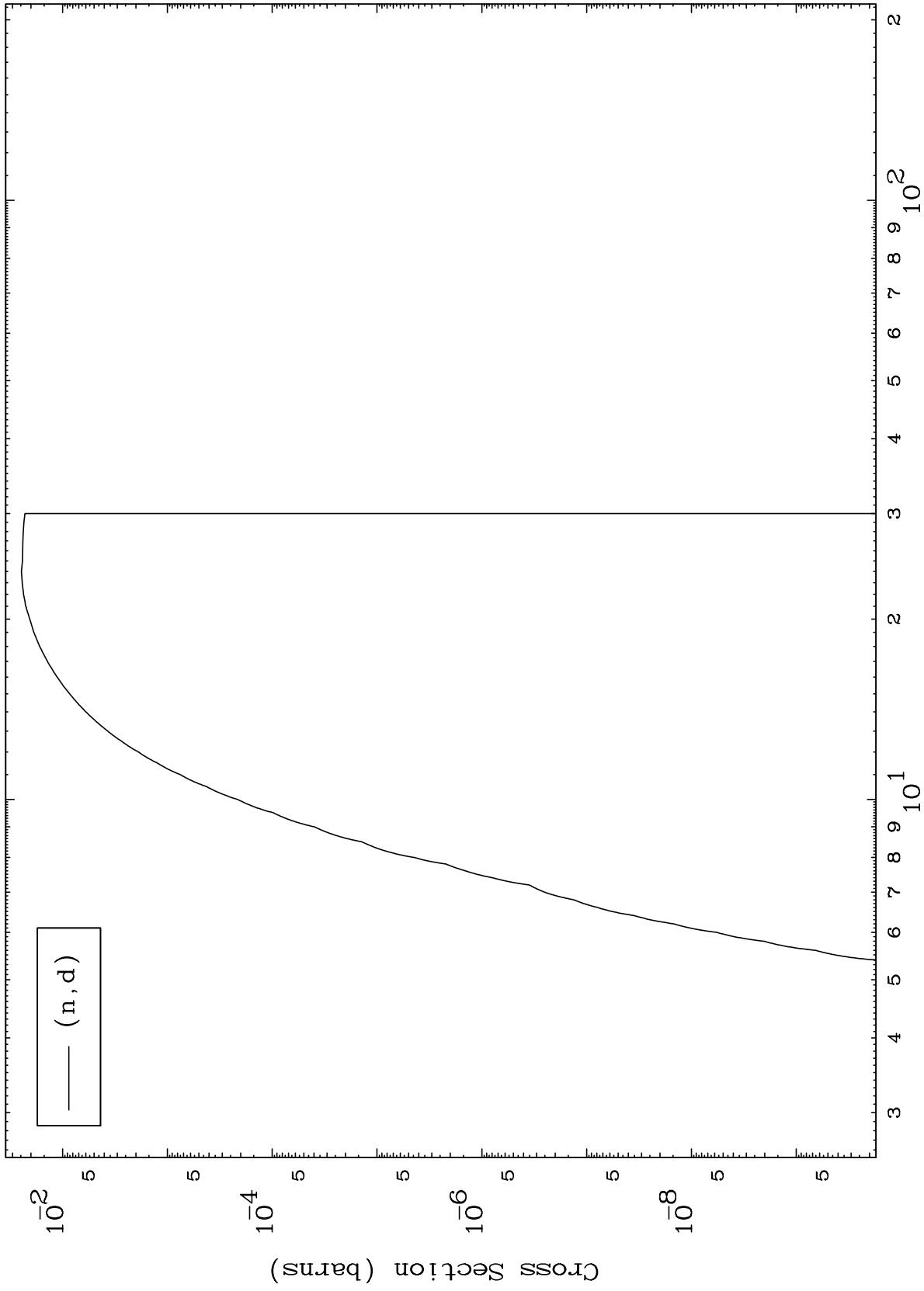
Incident Energy (MeV)

51-Sb-118

MAT 5116

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-118



11

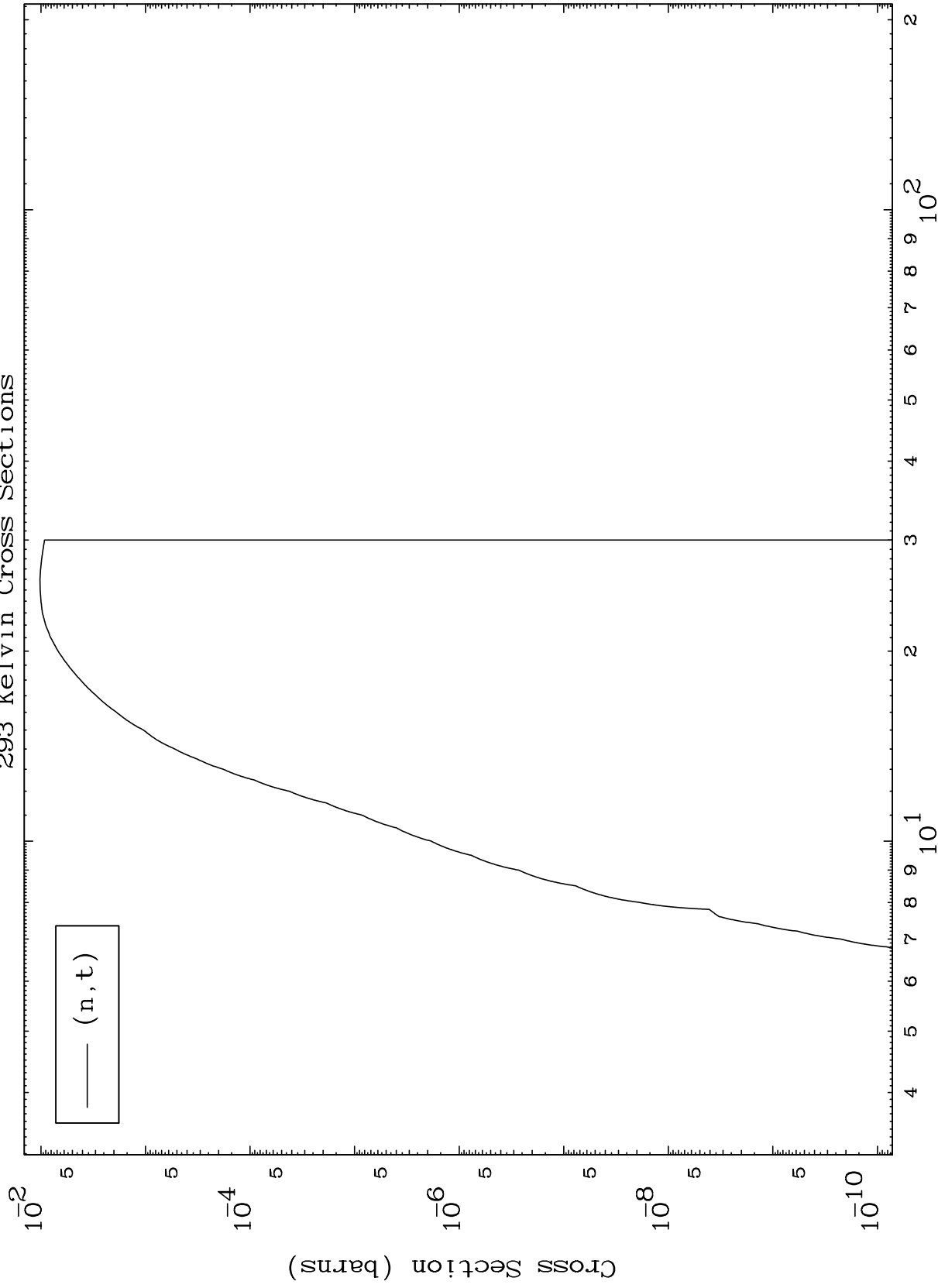
Incident Energy (MeV)

51-Sb-118

MAT 5116

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-118



12

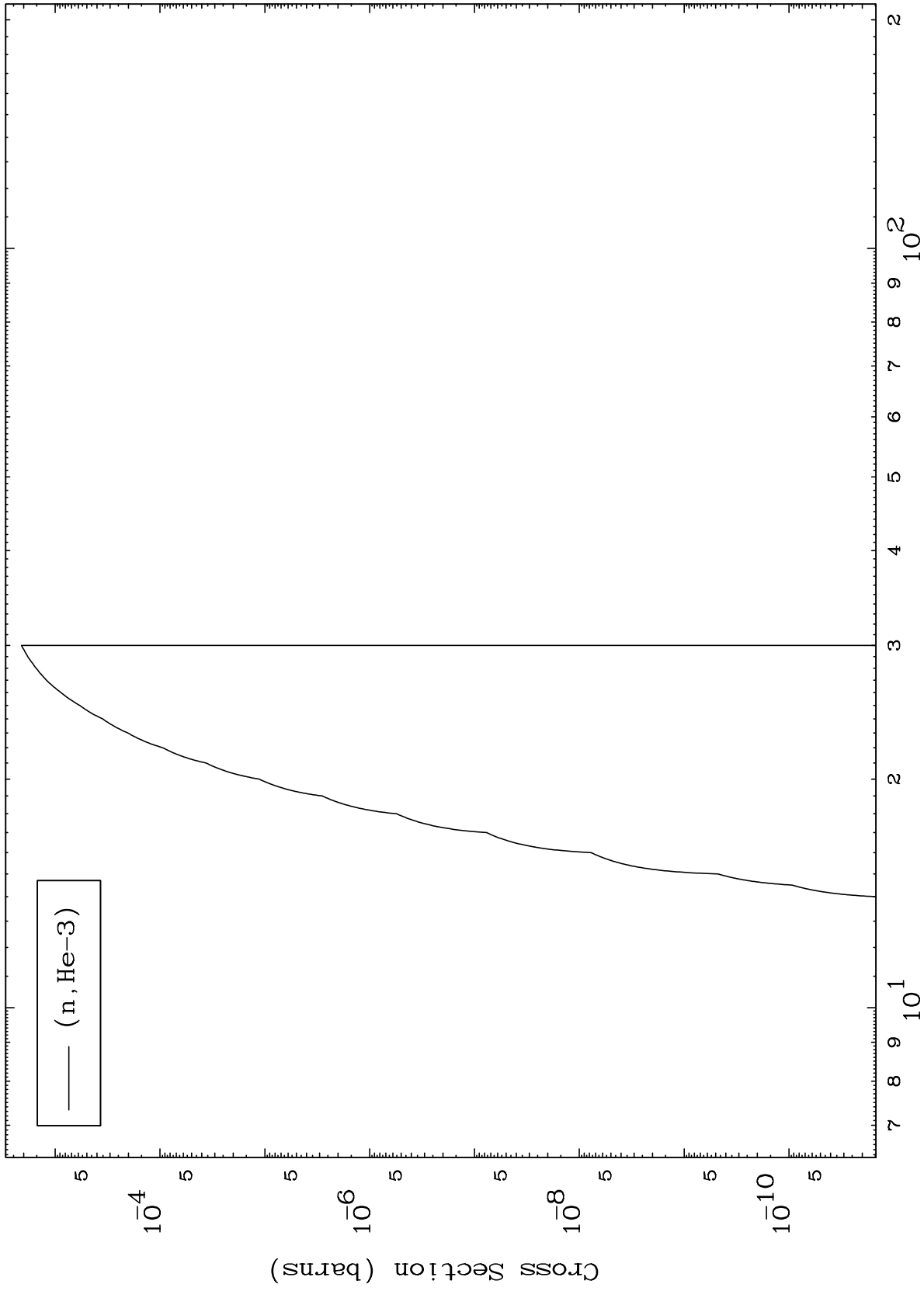
Incident Energy (MeV)

51-Sb-118

MAT 5116

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-118



13

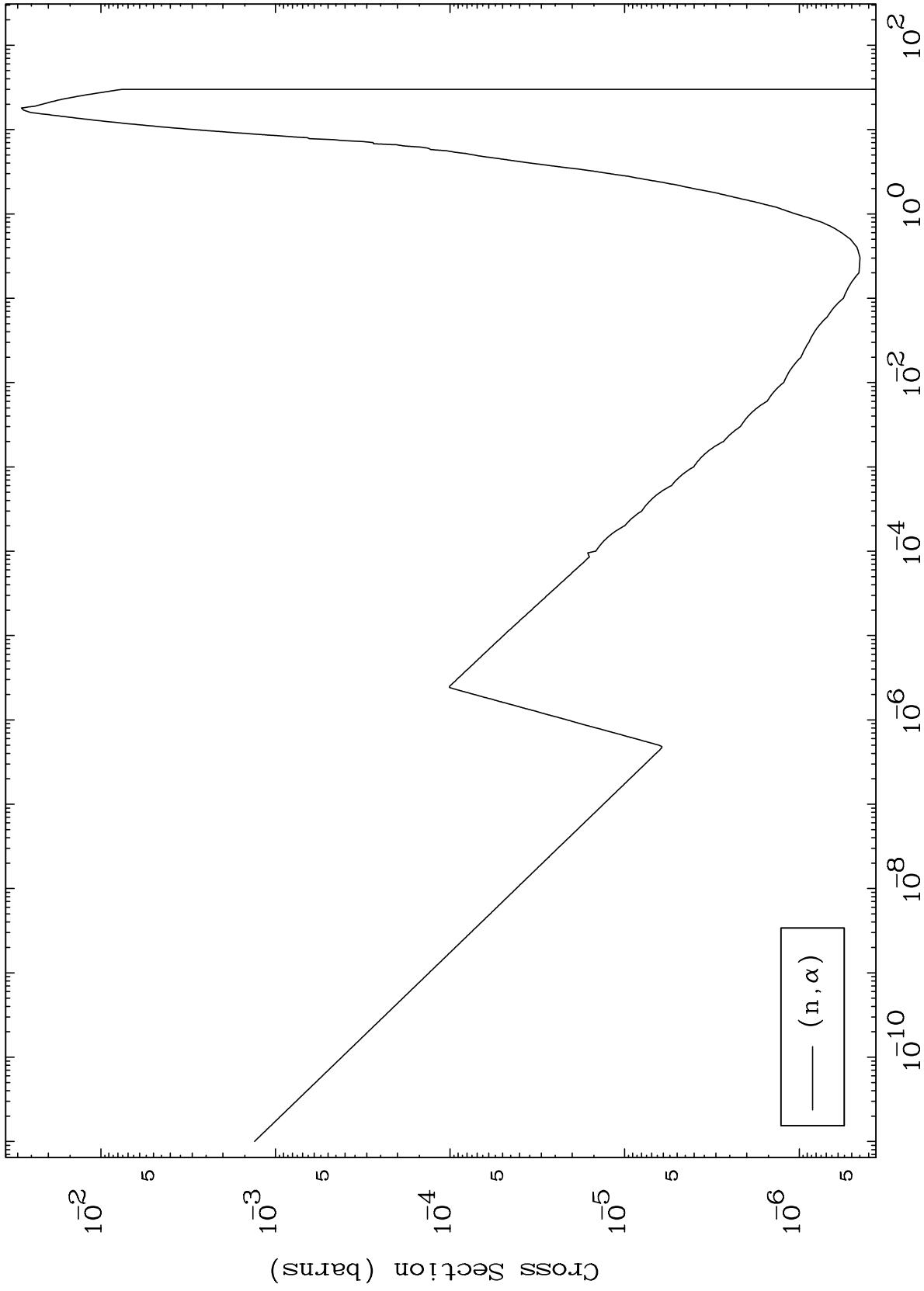
Incident Energy (MeV)

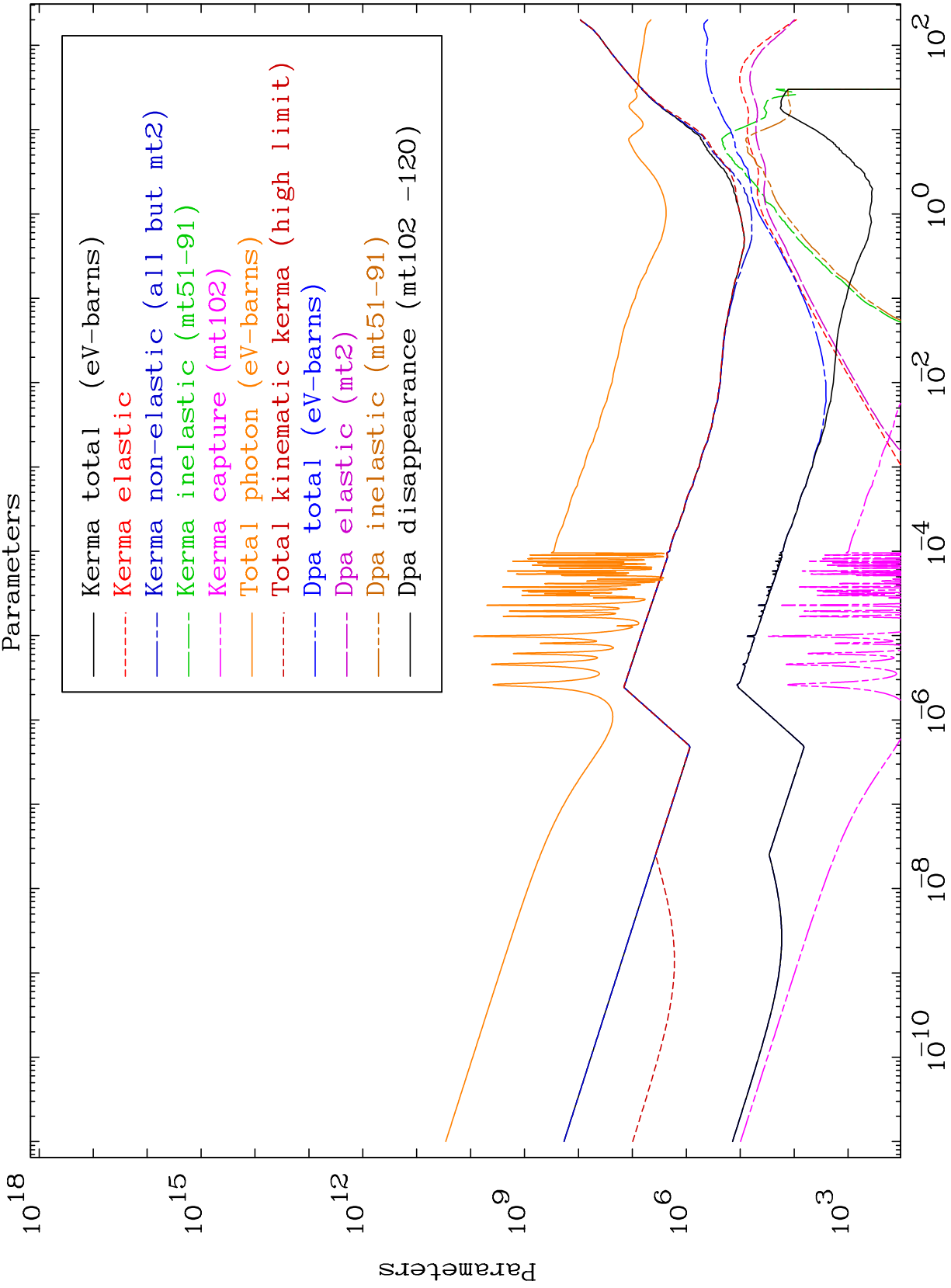
51-Sb-118

MAT 5116

(n,α) Levels
293 Kelvin Cross Sections

51-Sb-118

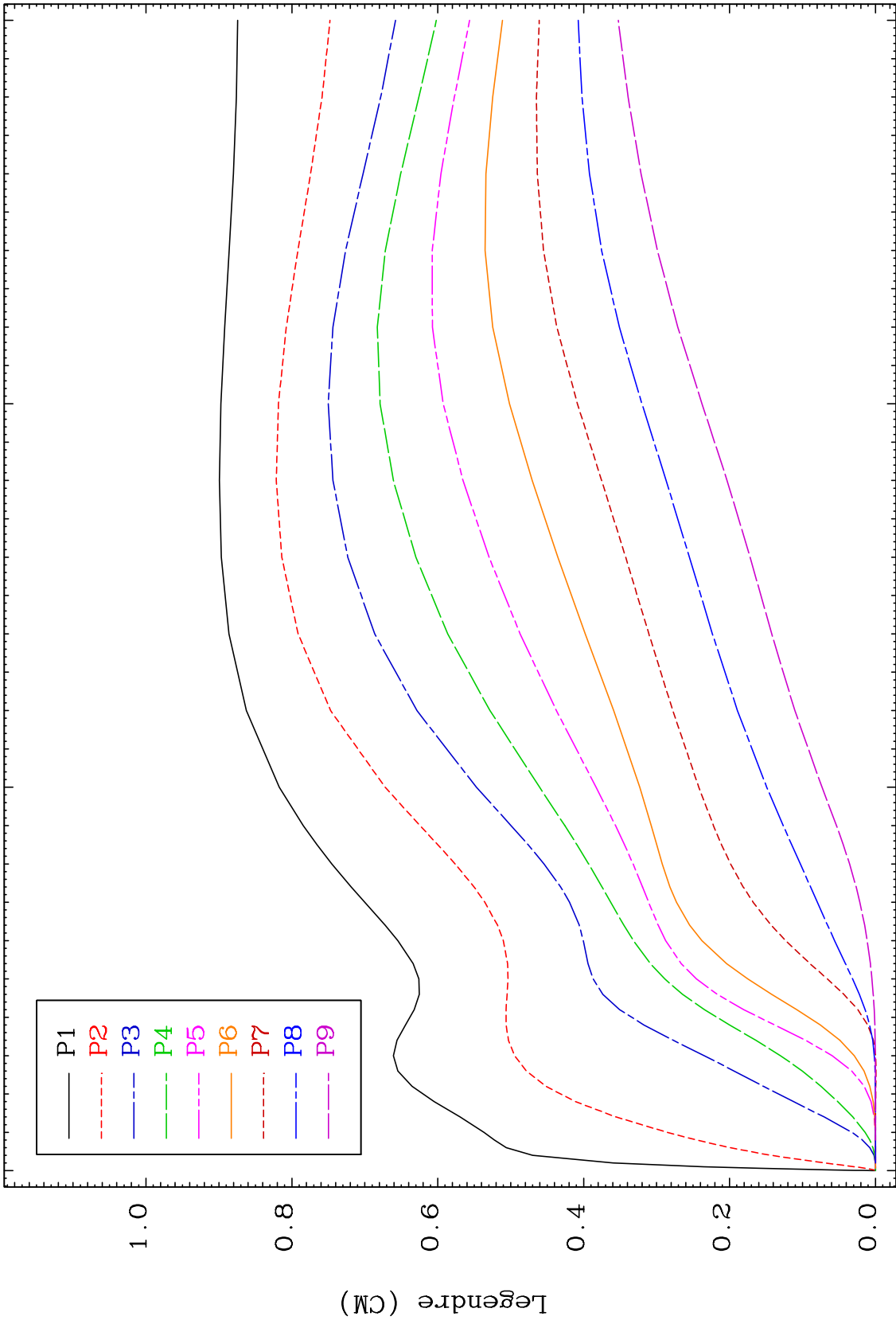




MAT 5116

Elastic Legendre Coefficients

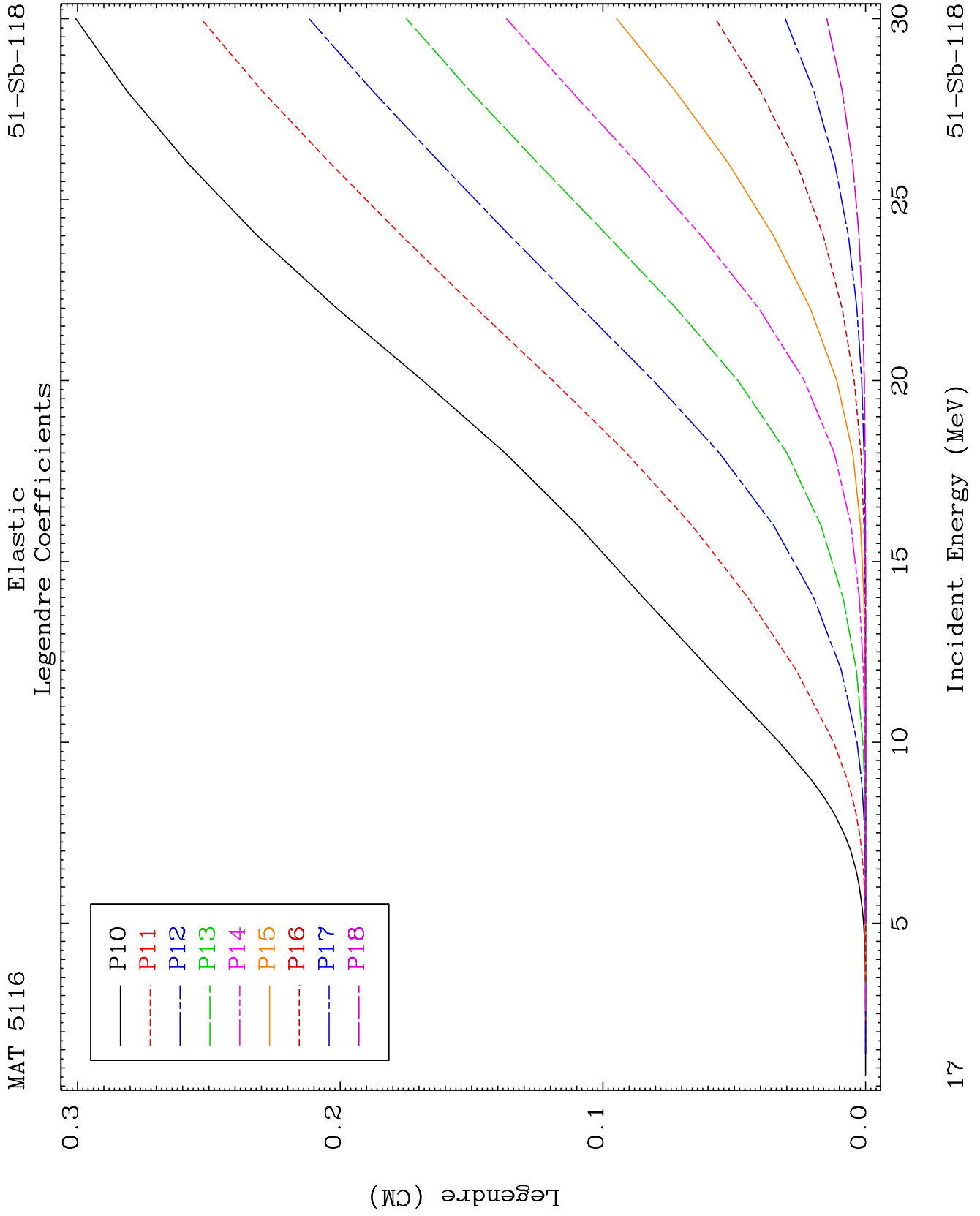
51-Sb-118



16

Incident Energy (MeV)

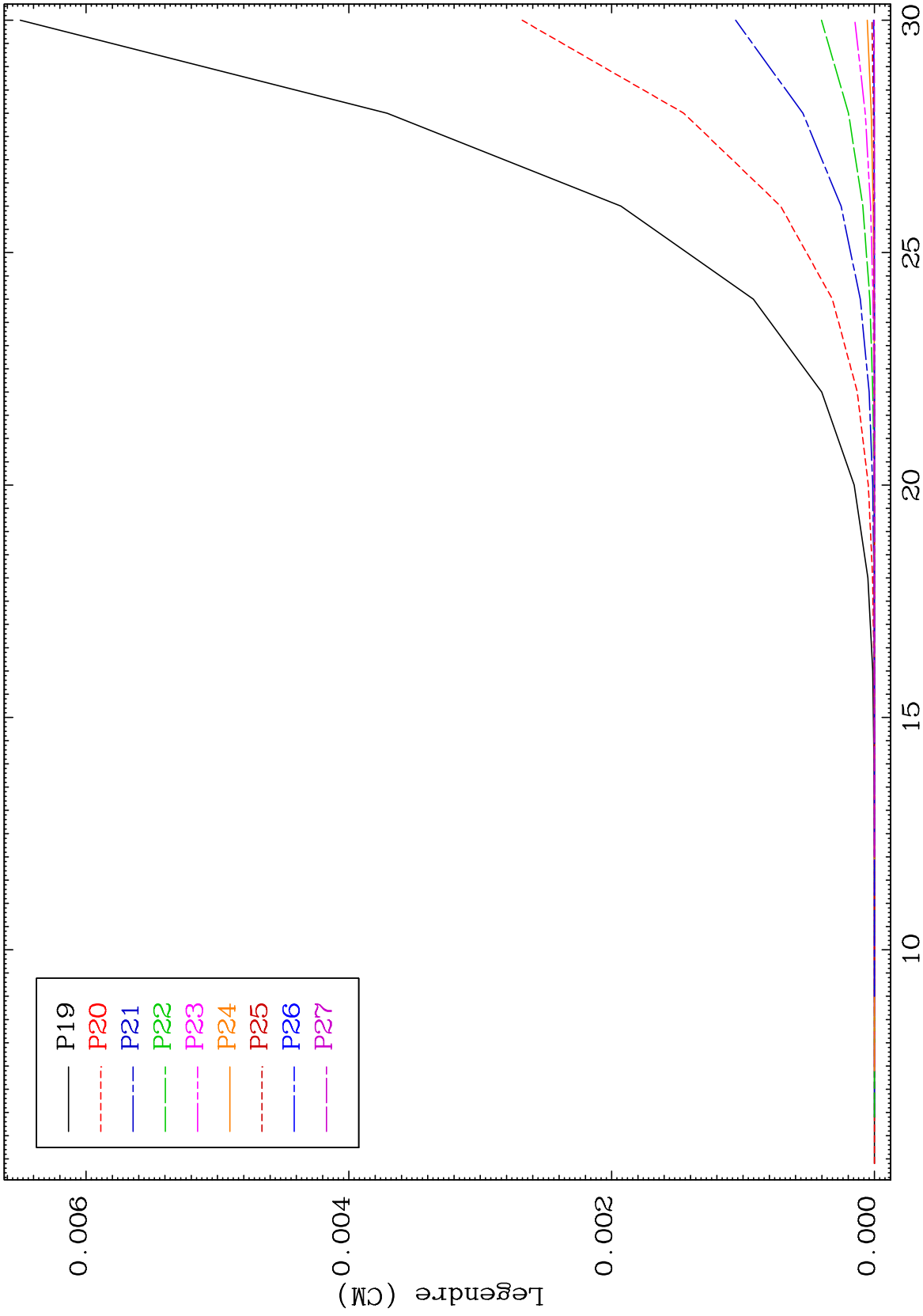
51-Sb-118



MAT 5116

Elastic Legendre Coefficients

51-Sb-118



18

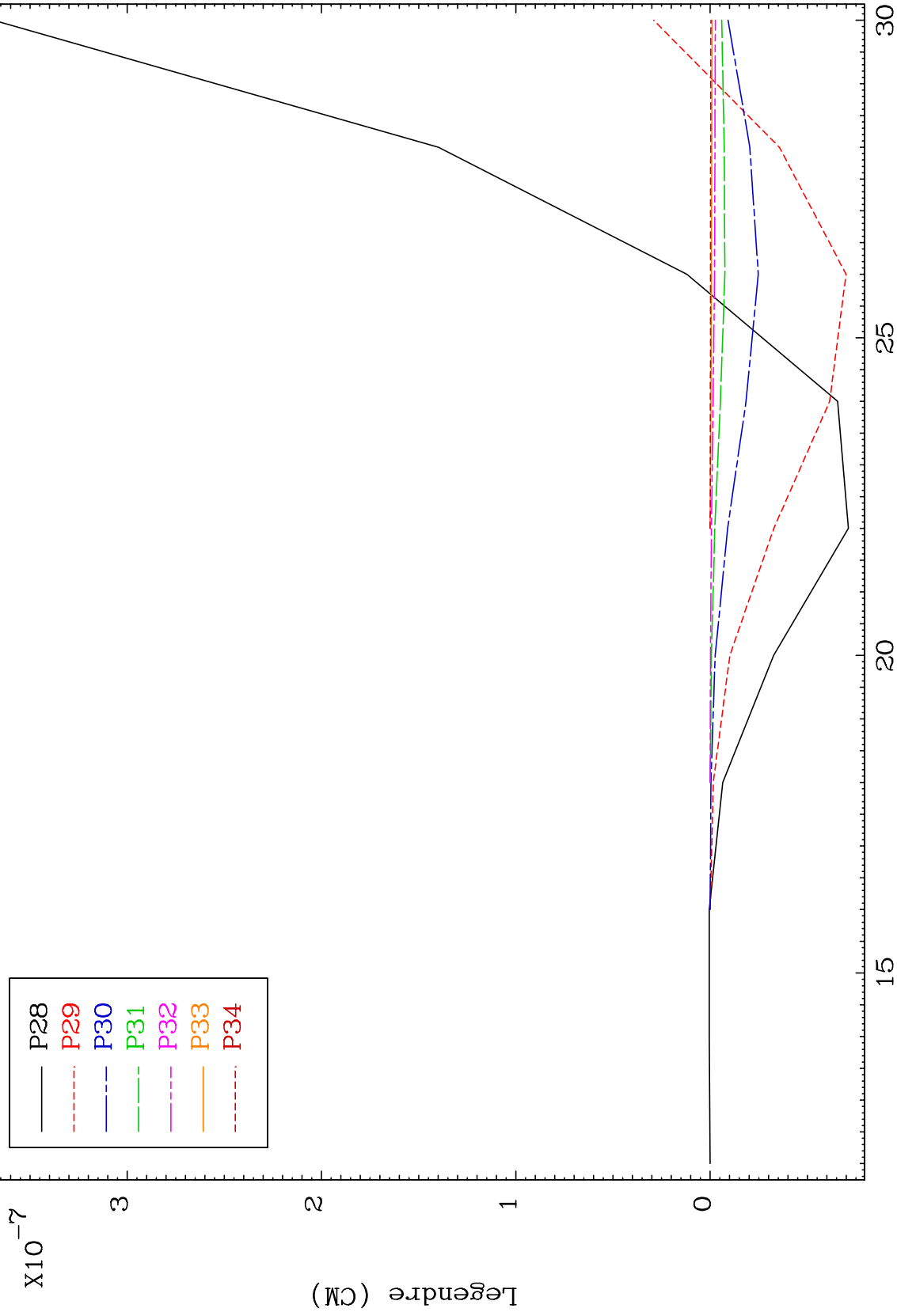
Incident Energy (MeV)

51-Sb-118

MAT 5116

Elastic Legendre Coefficients

51-Sb-118



19

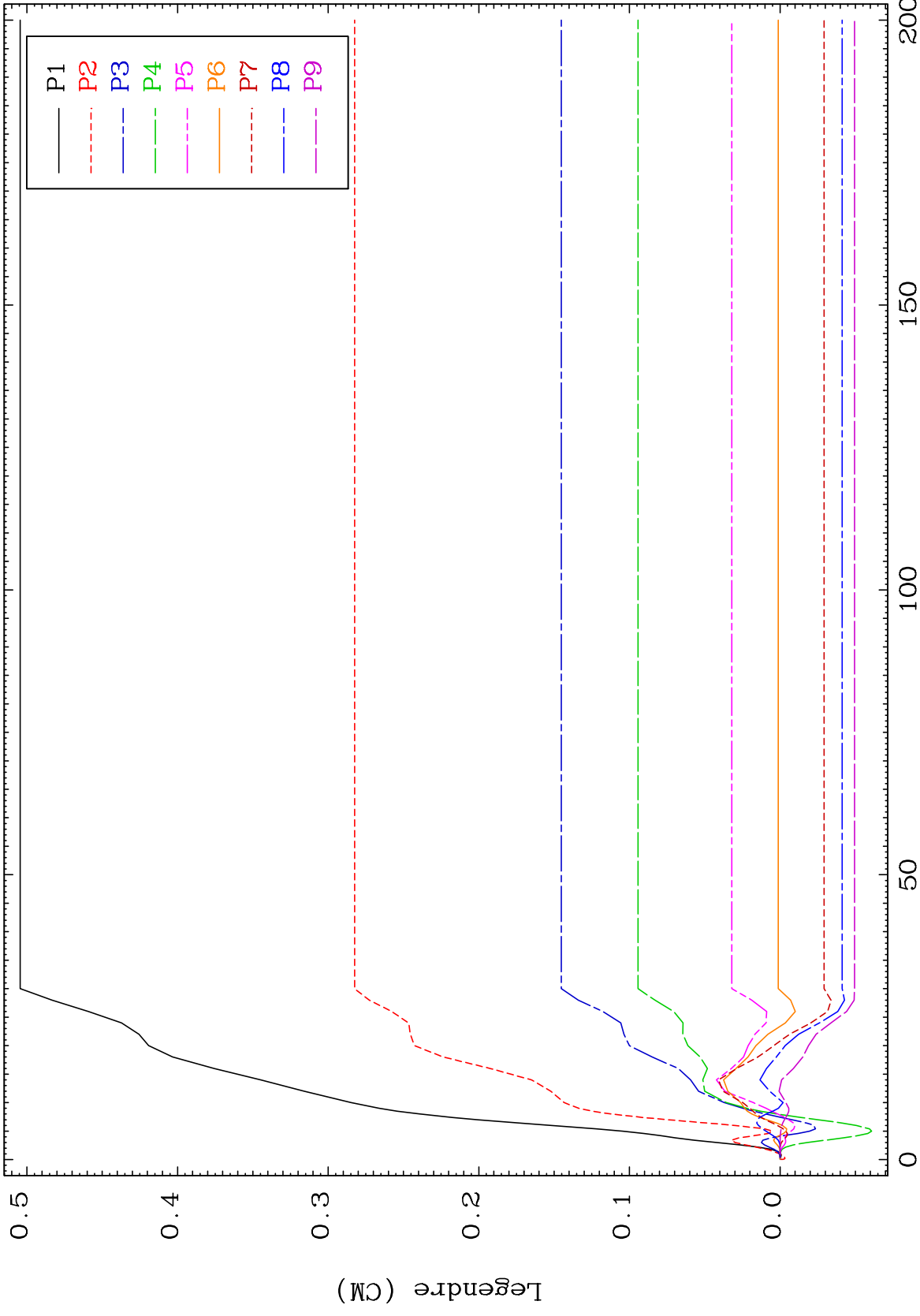
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

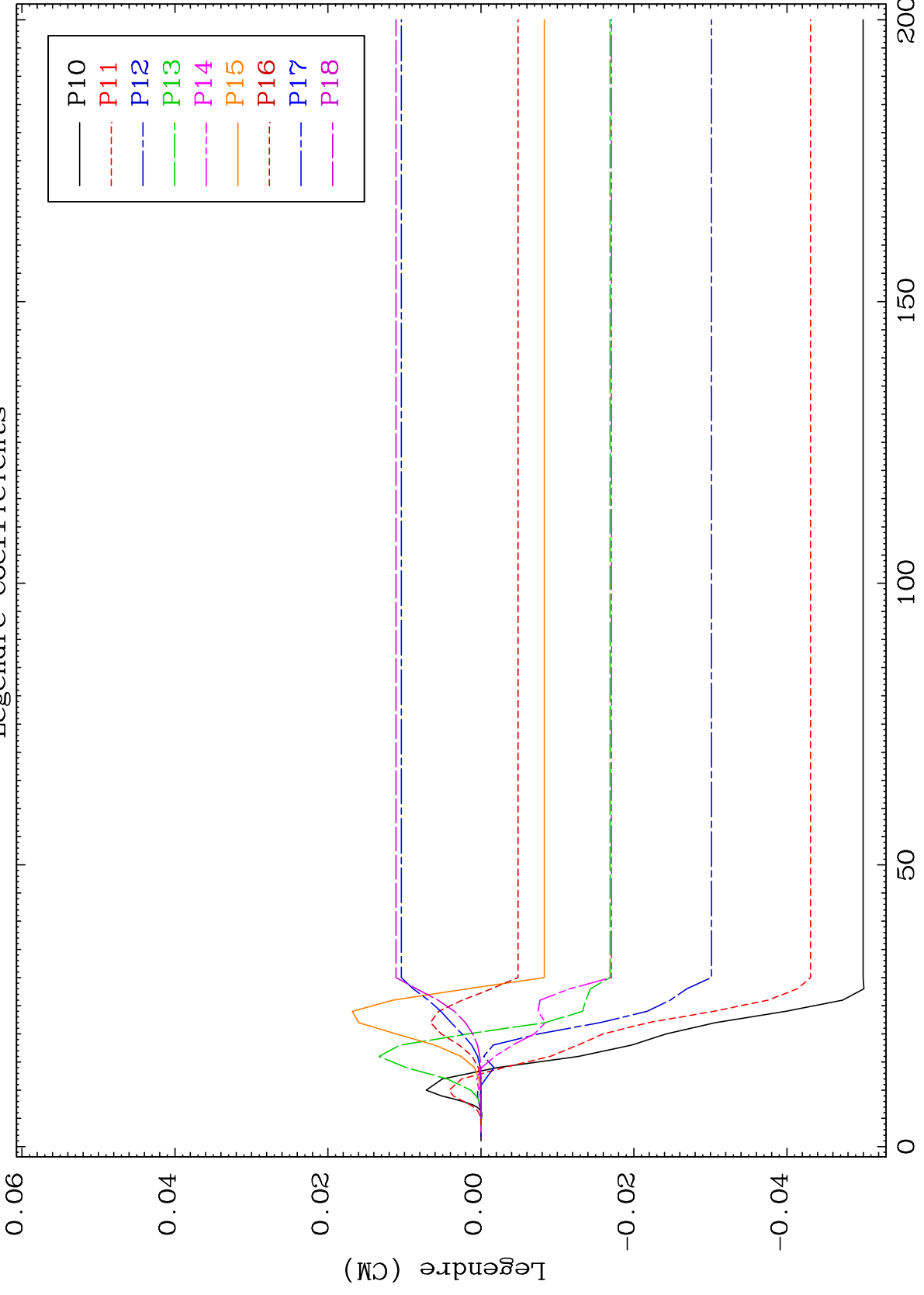
51-Sb-118



51-Sb-118

Incident Energy (MeV)

MAT 5116 MT= 51 (n,n') Level Legendre Coefficients 51-Sb-118

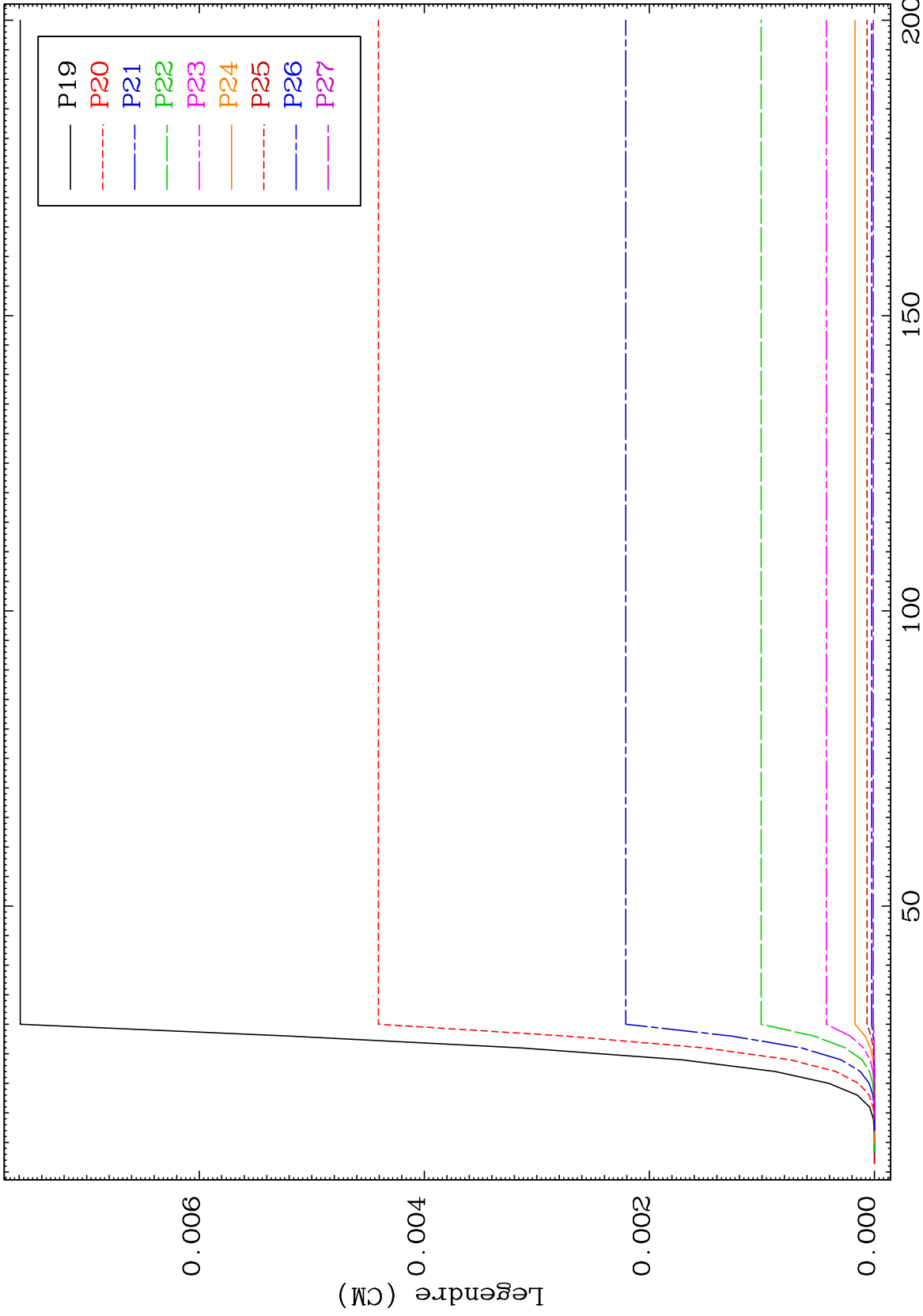


21 51-Sb-118

MAT 5116

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

51-Sb-118



22

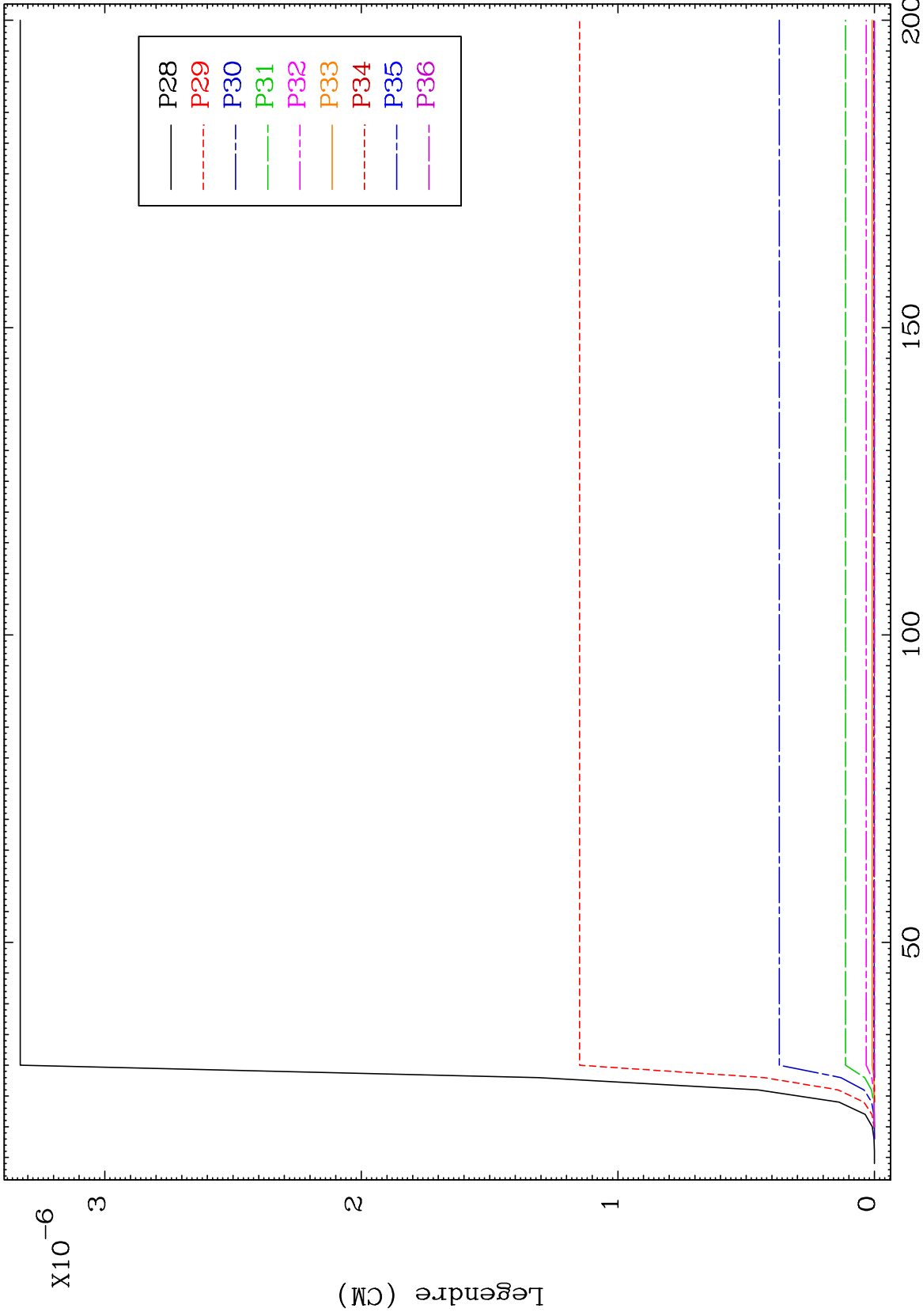
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



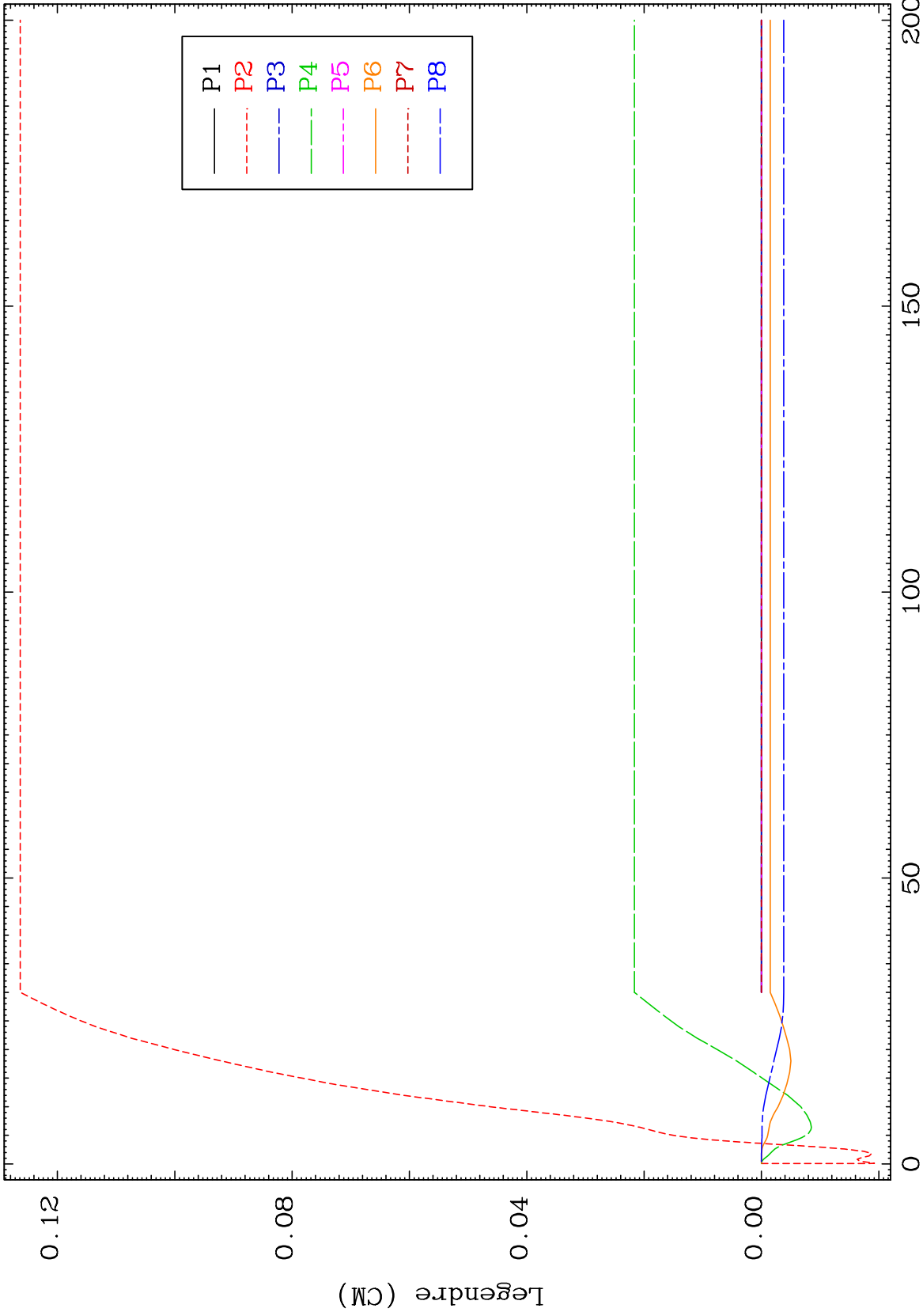
23

51-Sb-118

MAT 51116

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

51-Sb-118



24

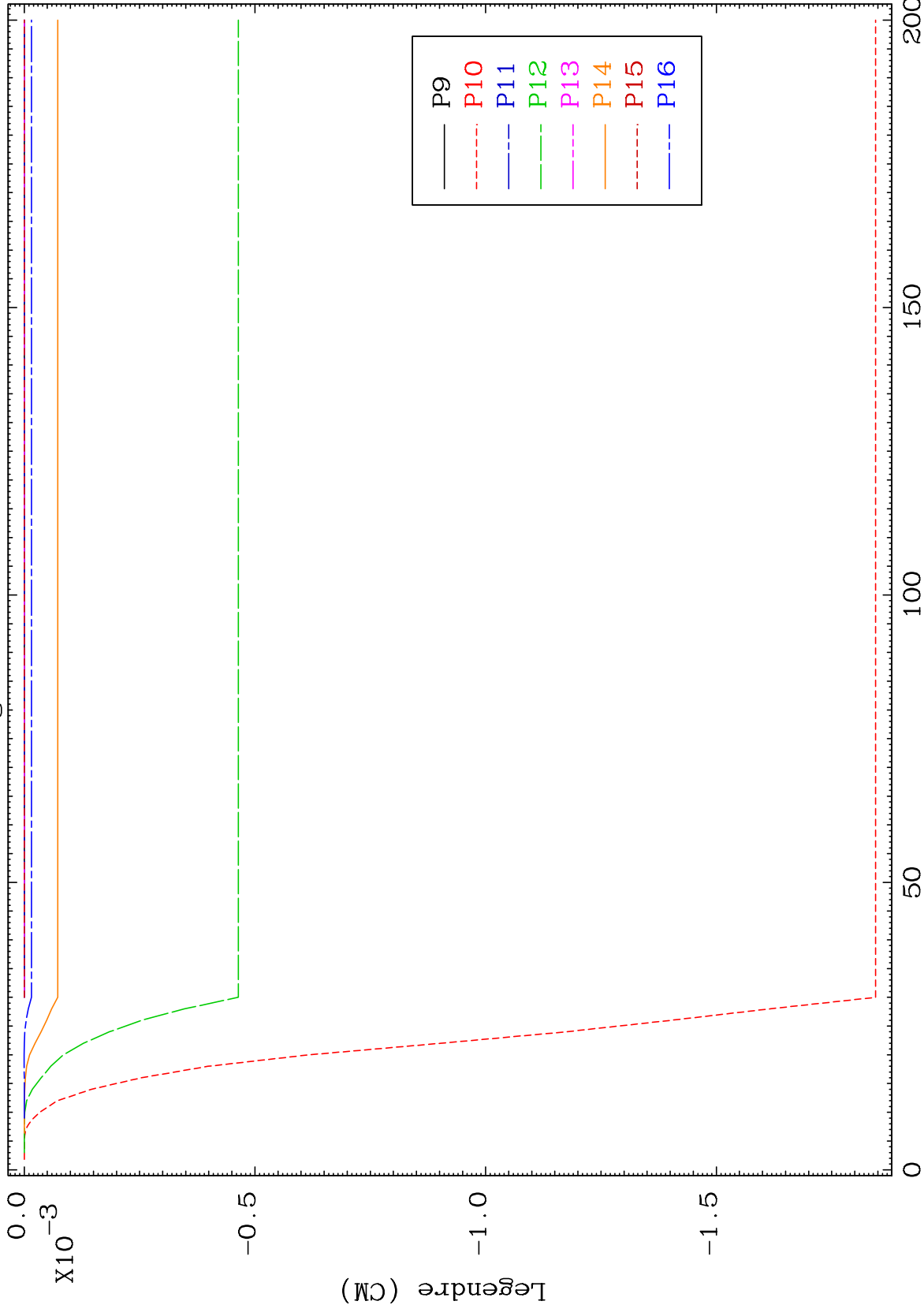
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118

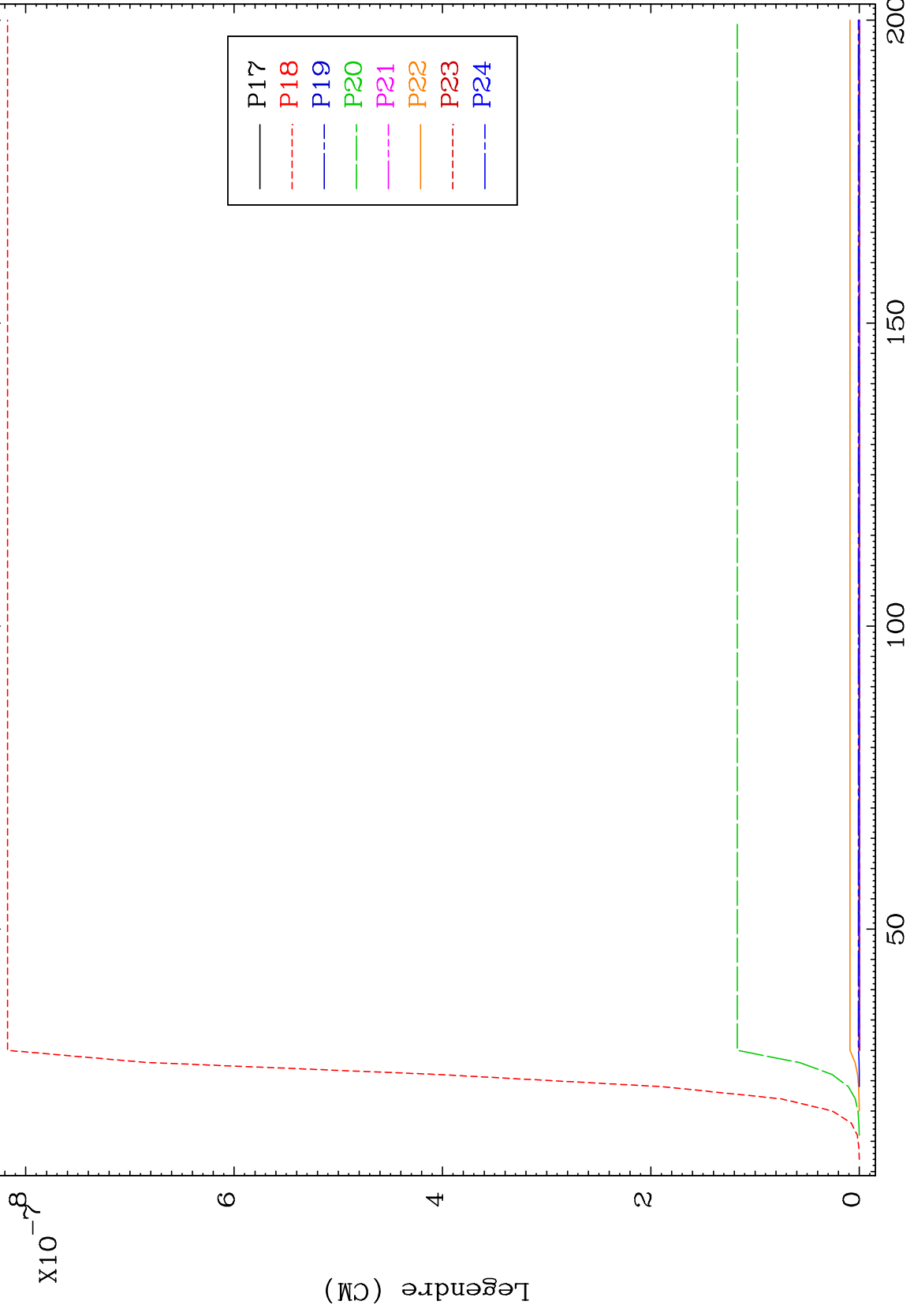


51-Sb-118

Incident Energy (MeV)

25

MAT 5116 MT= 52 (n,n') Level Legendre Coefficients 51-Sb-118

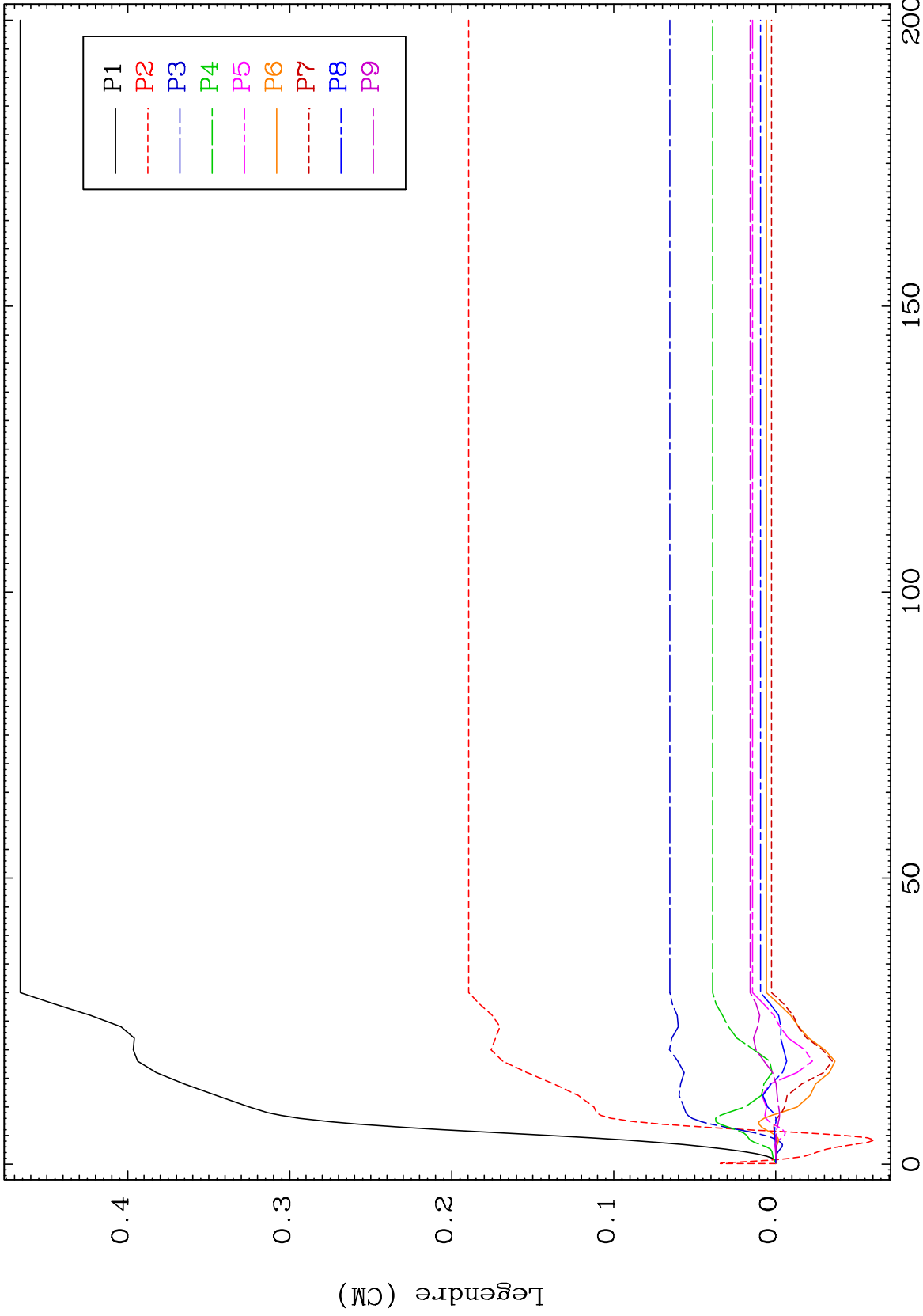


26 Incident Energy (MeV) 51-Sb-118

MAT 5116

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

51-Sb-118



27

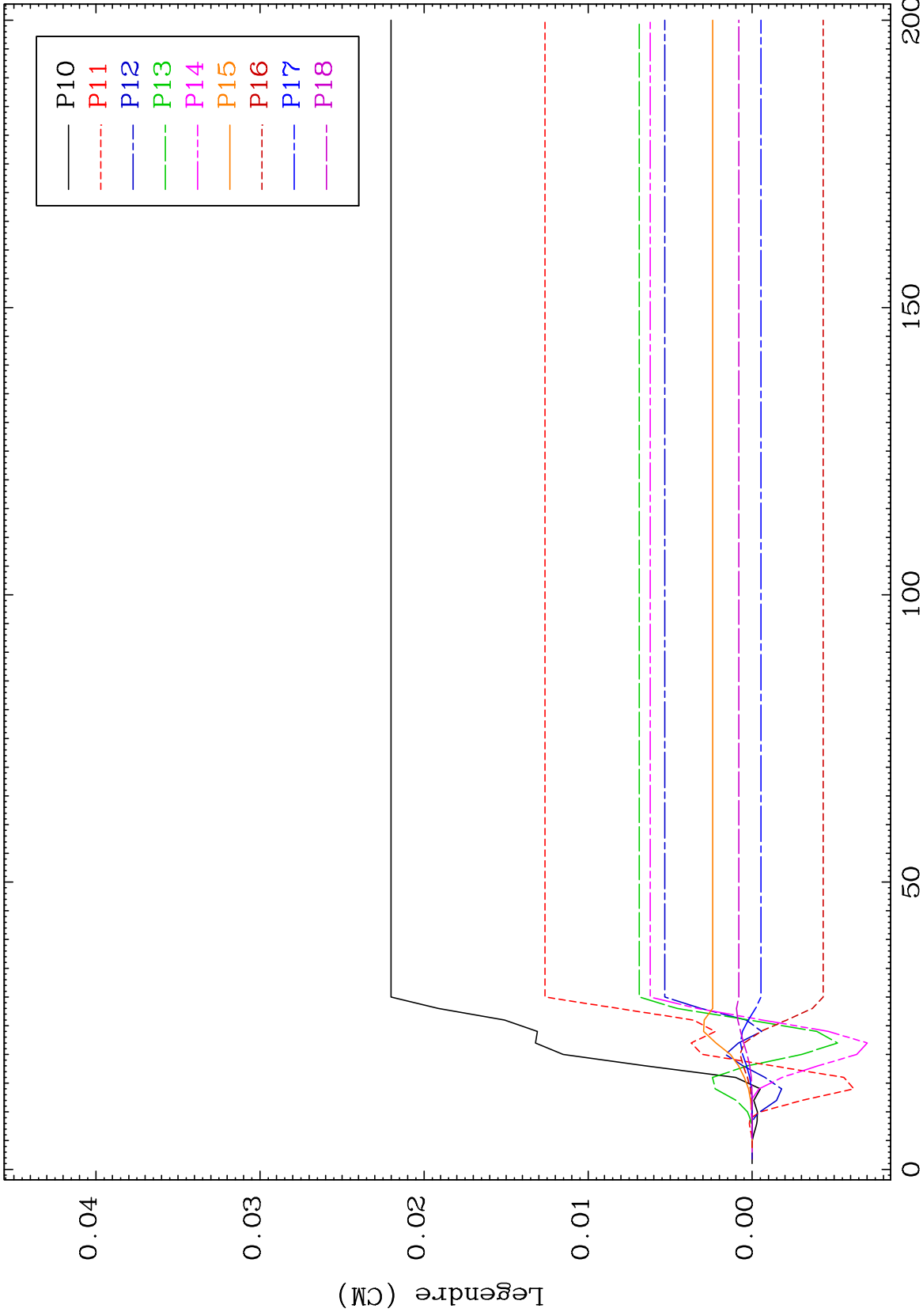
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



28

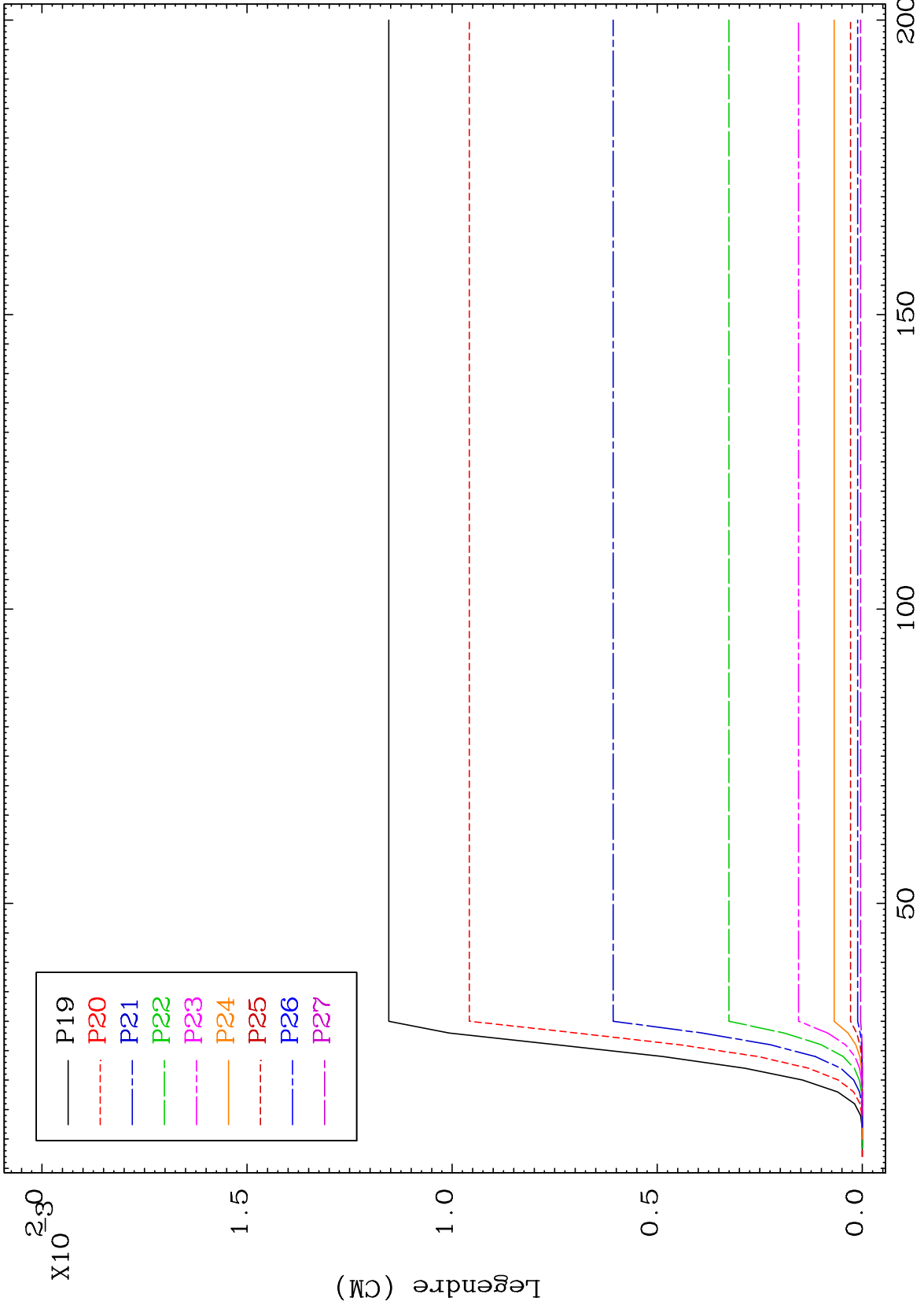
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



29

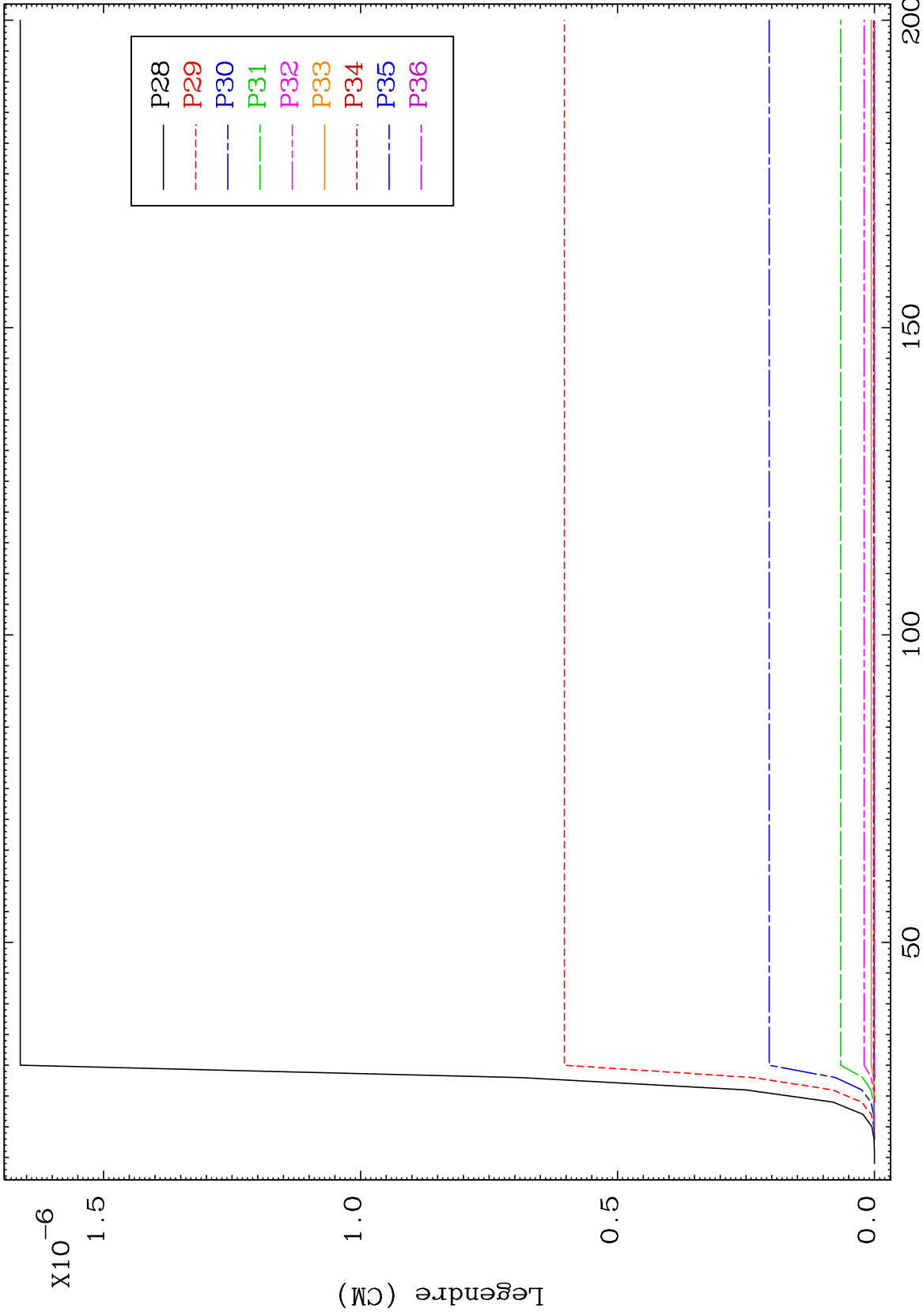
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118

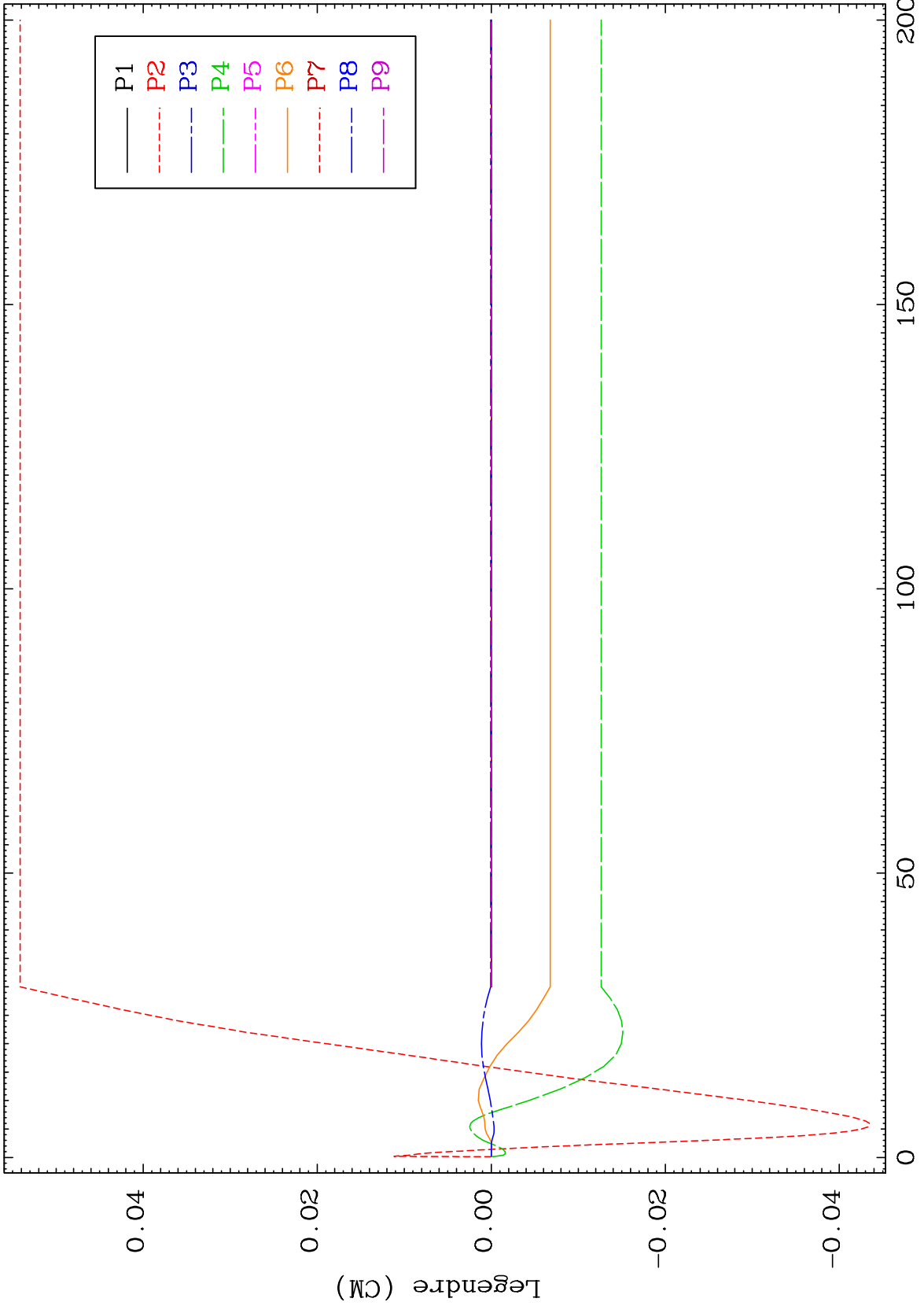


30

Incident Energy (MeV)

51-Sb-118

MAT 5116 MT= 54 (n,n') Level Legendre Coefficients 51-Sb-118

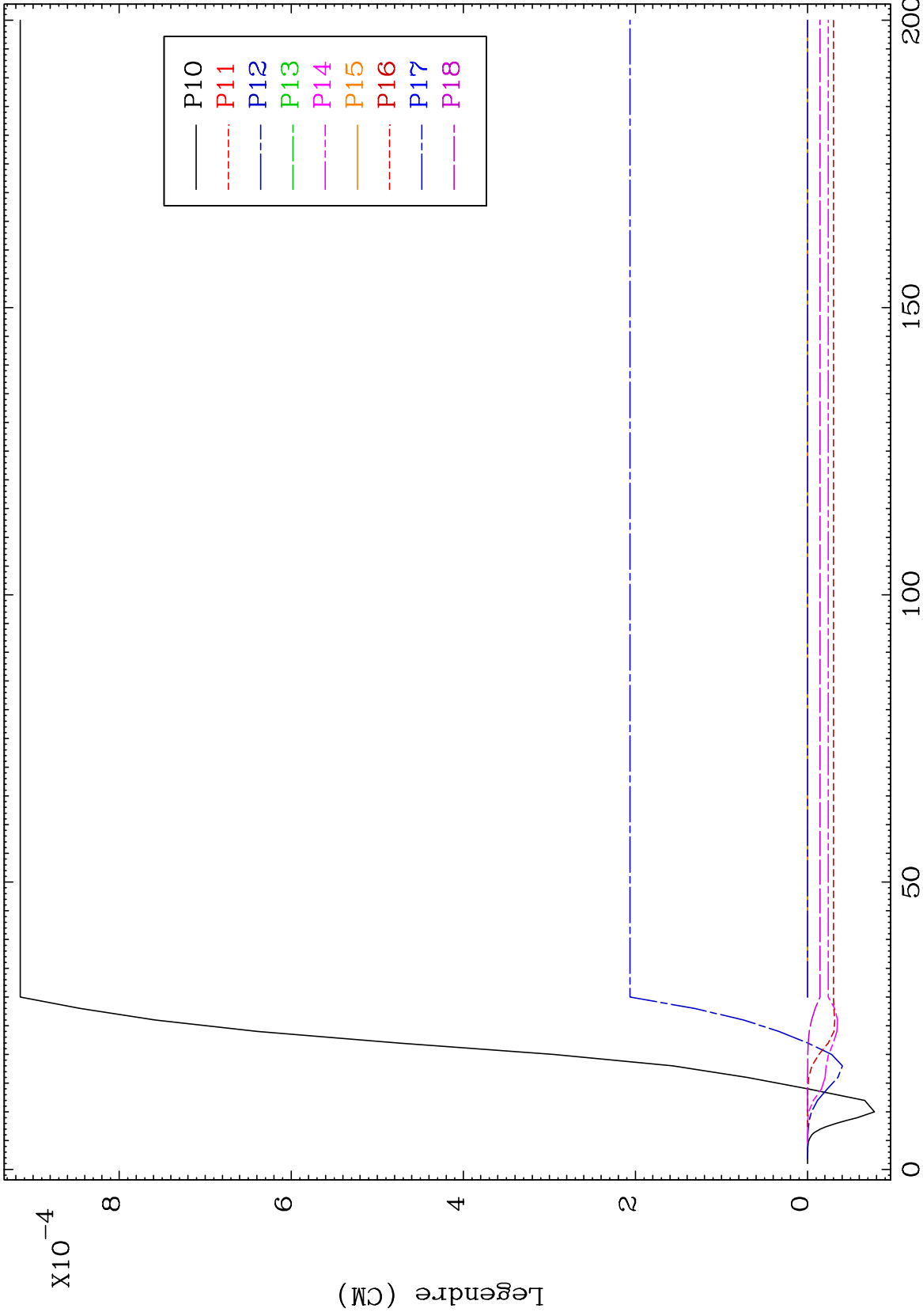


31 51-Sb-118

MAT 5116

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

51-Sb-118



32

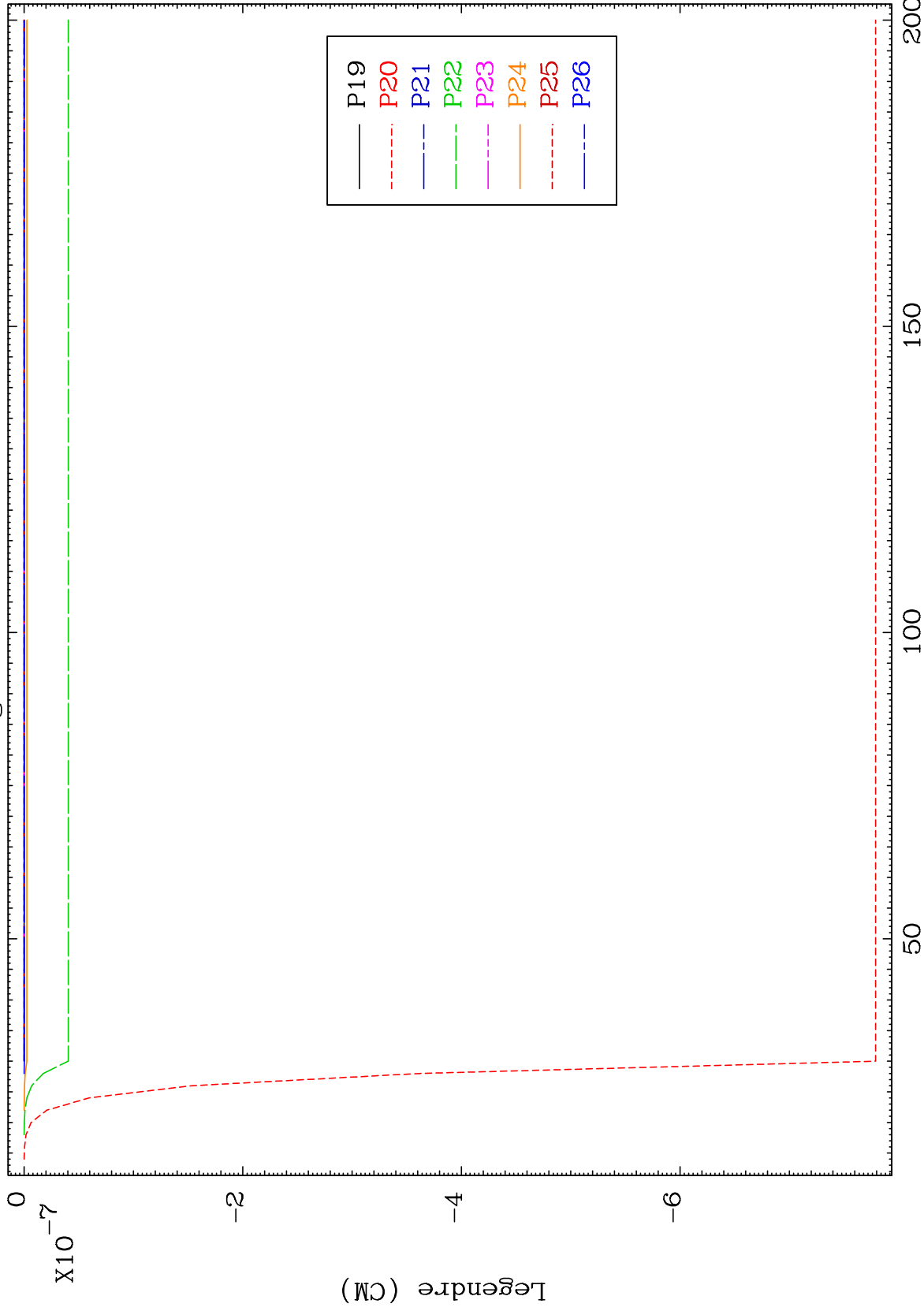
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

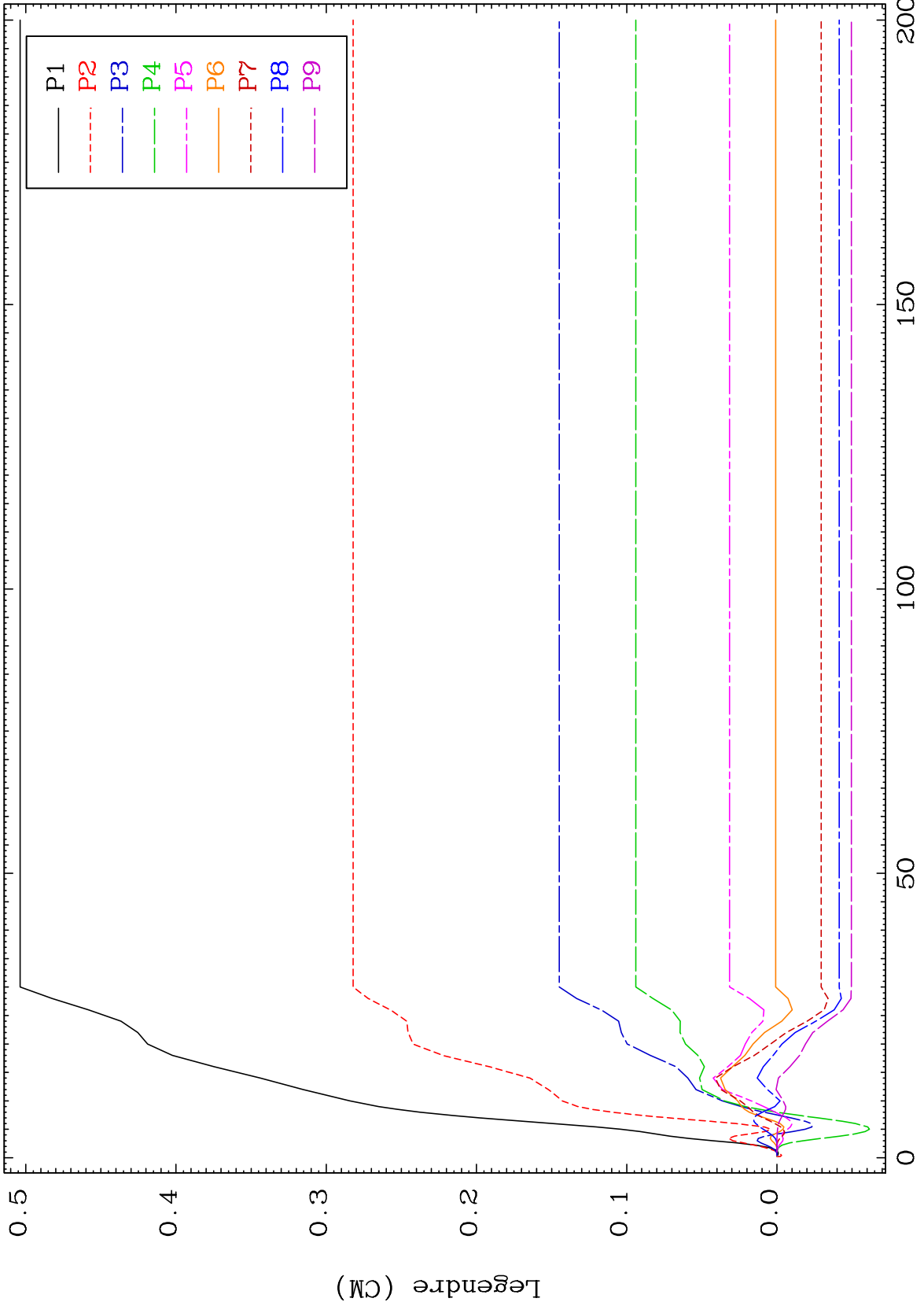
51-Sb-118



33

51-Sb-118

MAT 5116 MT= 55 (n,n') Level Legendre Coefficients 51-Sb-118

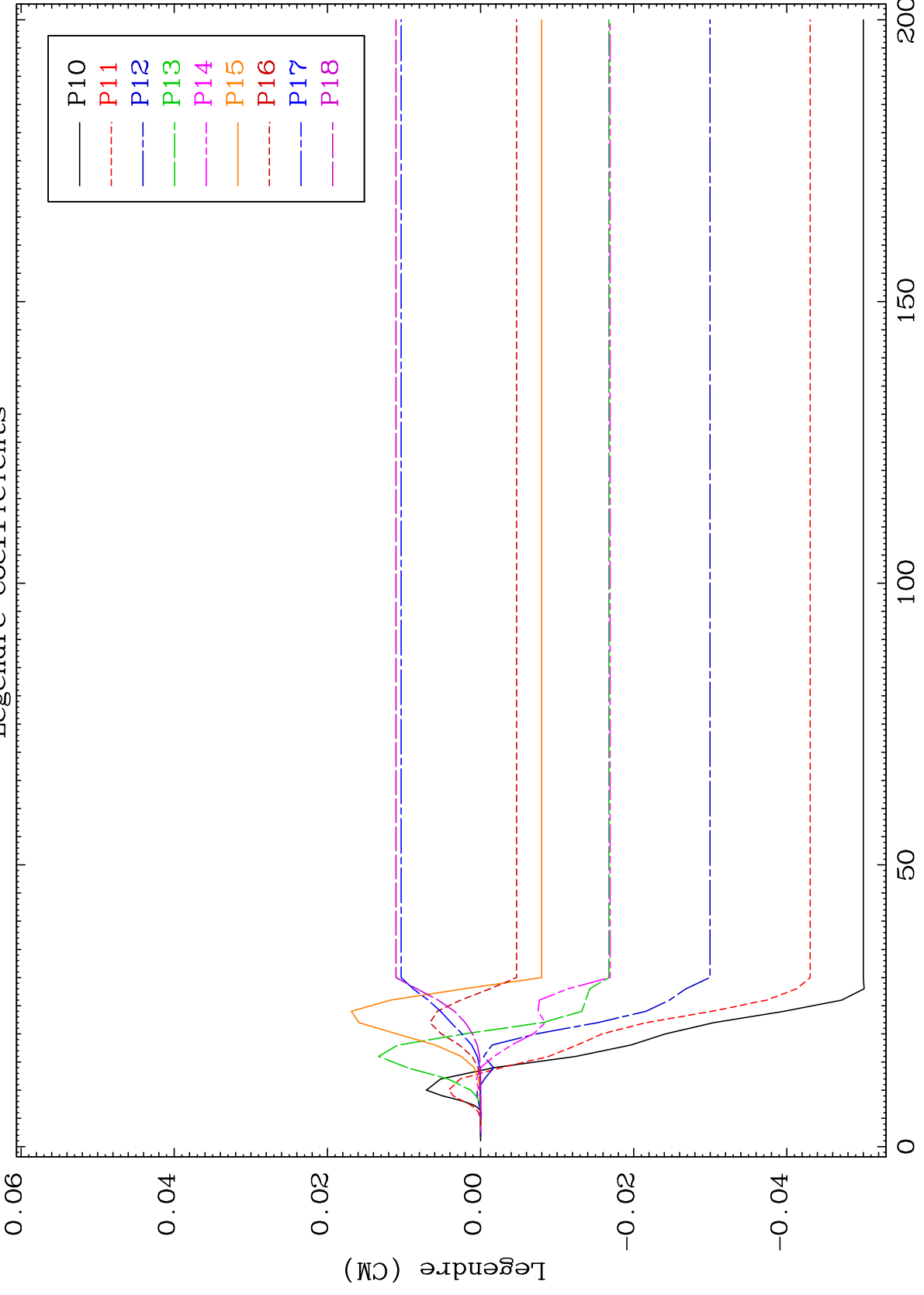


34 51-Sb-118

MAT 5116 MT= 55 (n,n') Level Legendre Coefficients

51-Sb-118

51-Sb-118

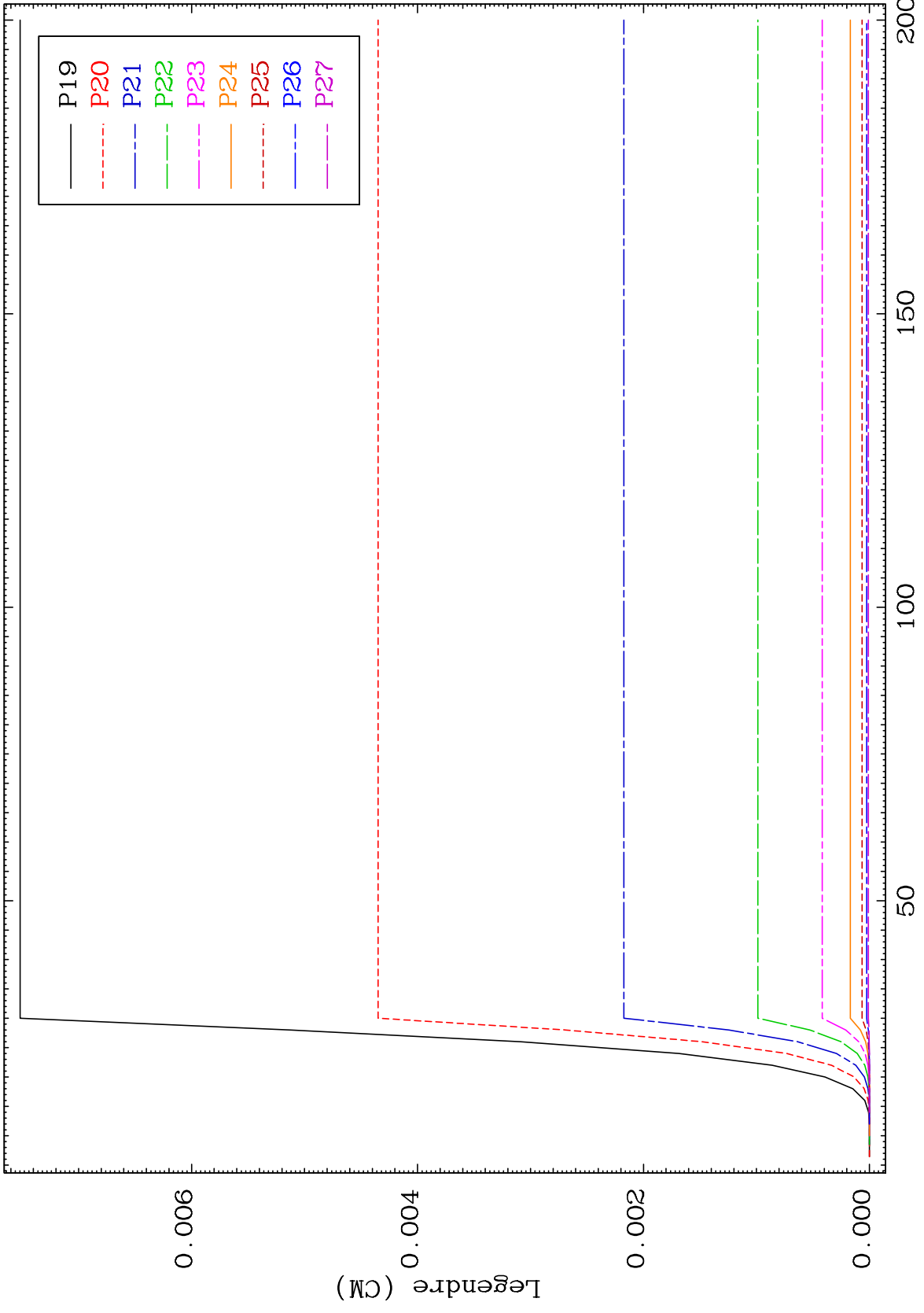


35

MAT 5116

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

51-Sb-118



36

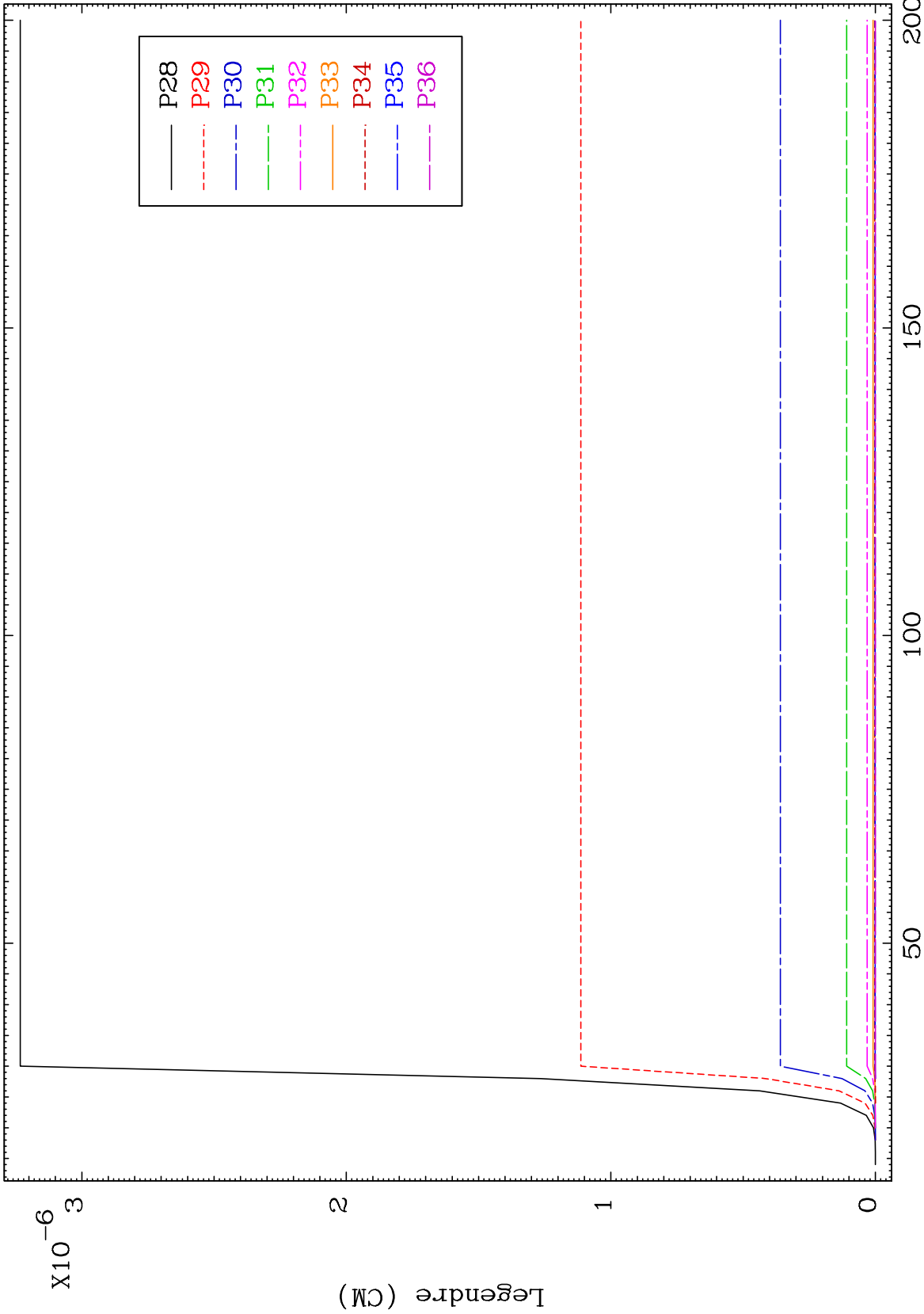
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



37

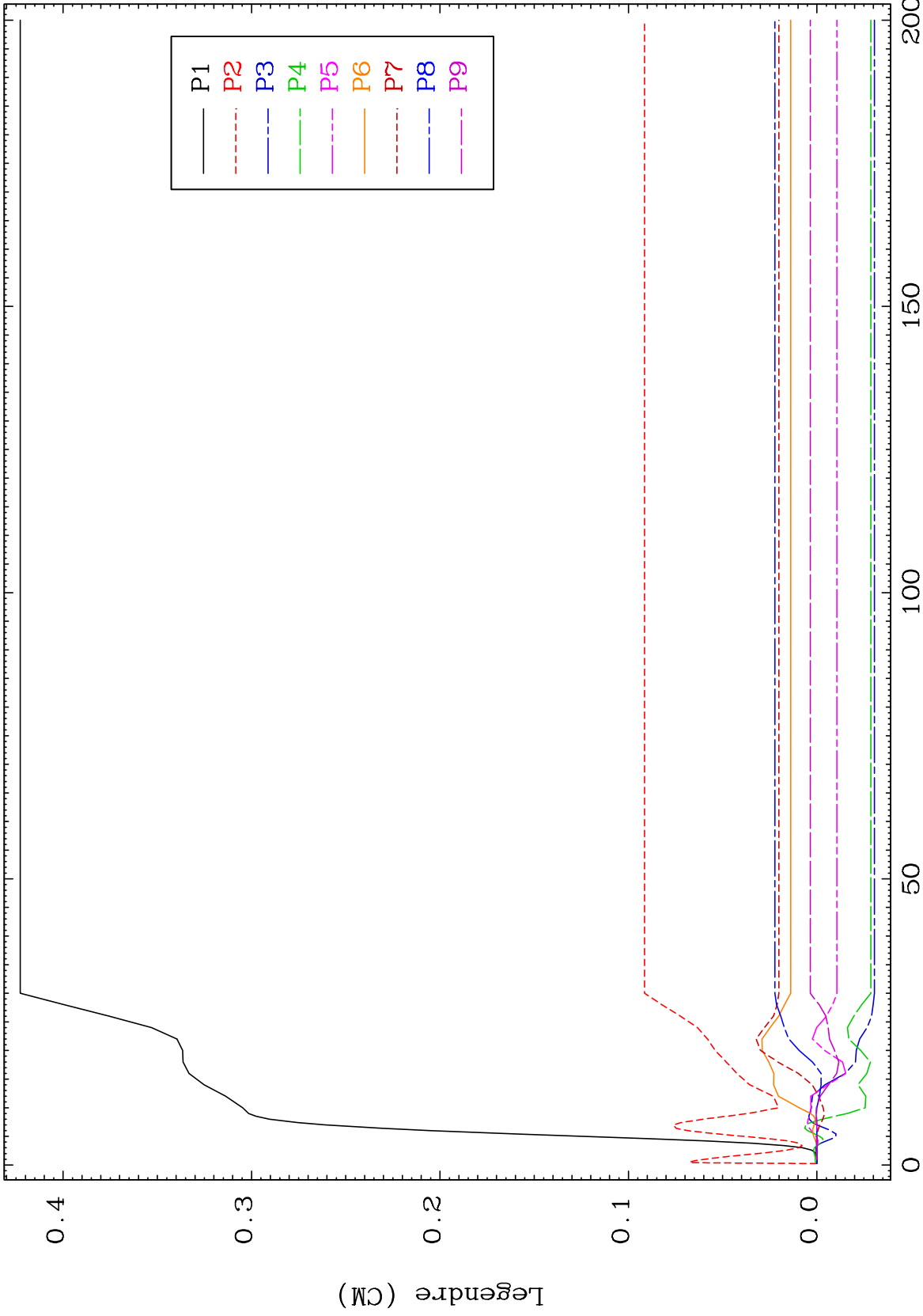
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



38

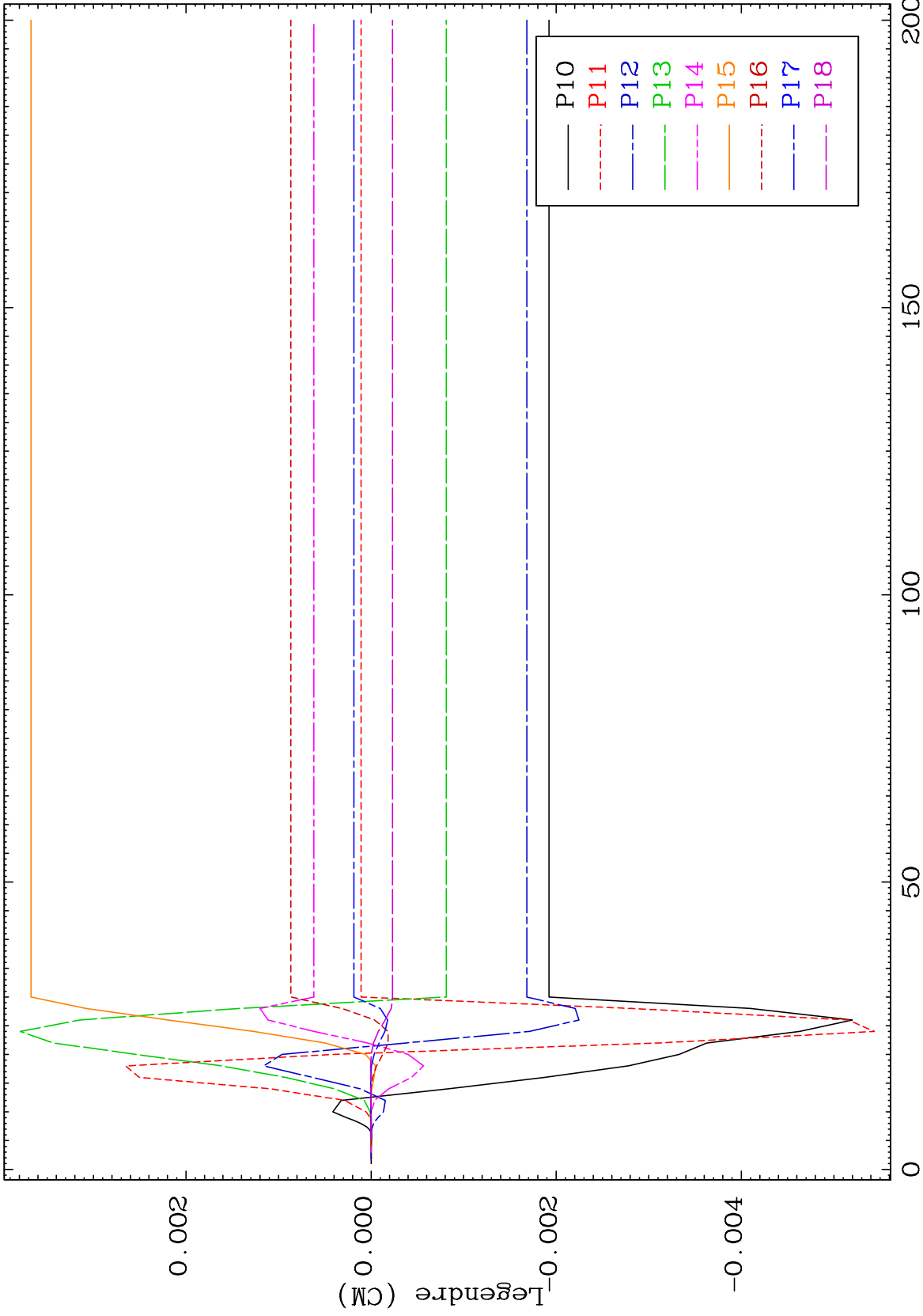
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



39

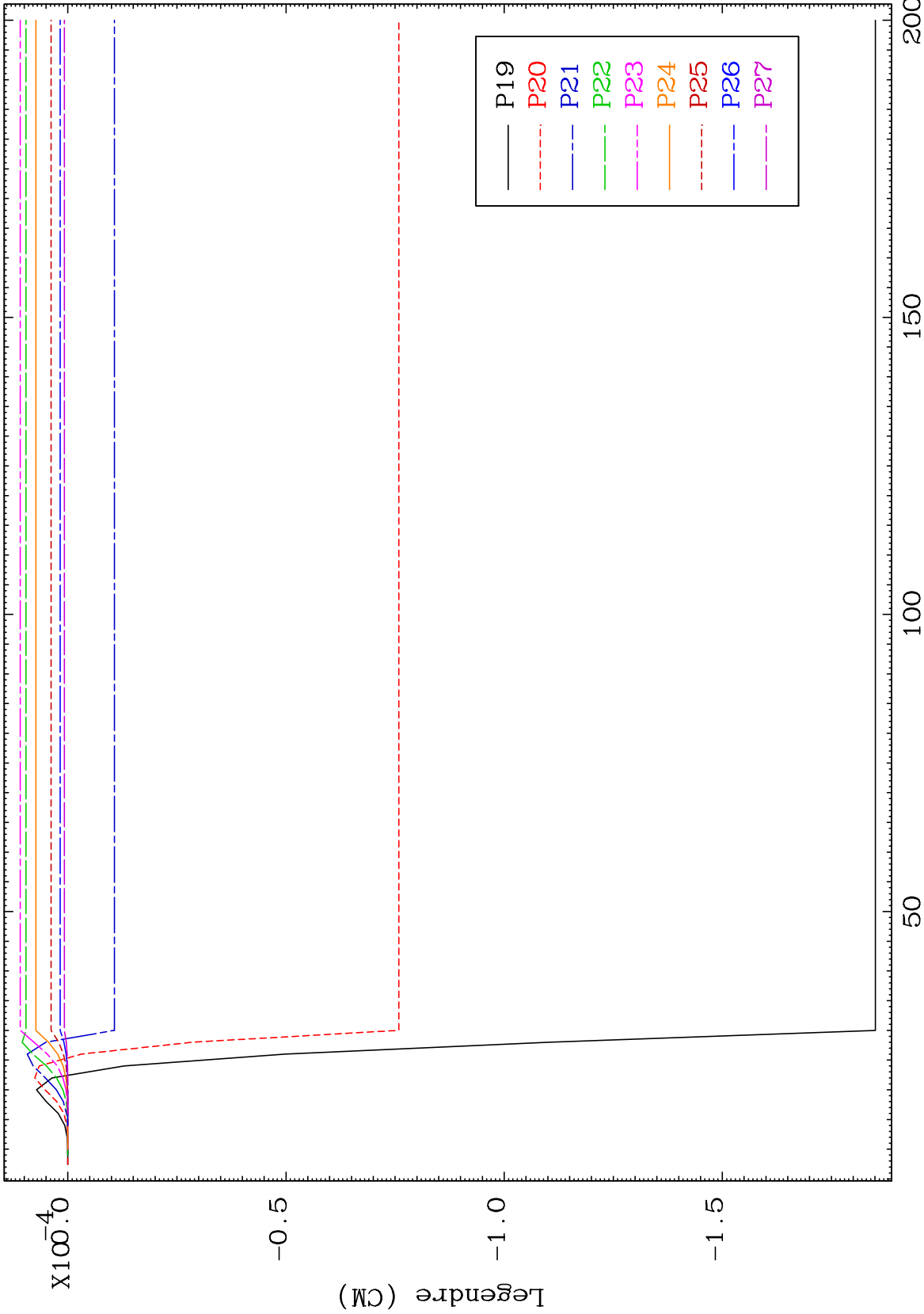
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



40

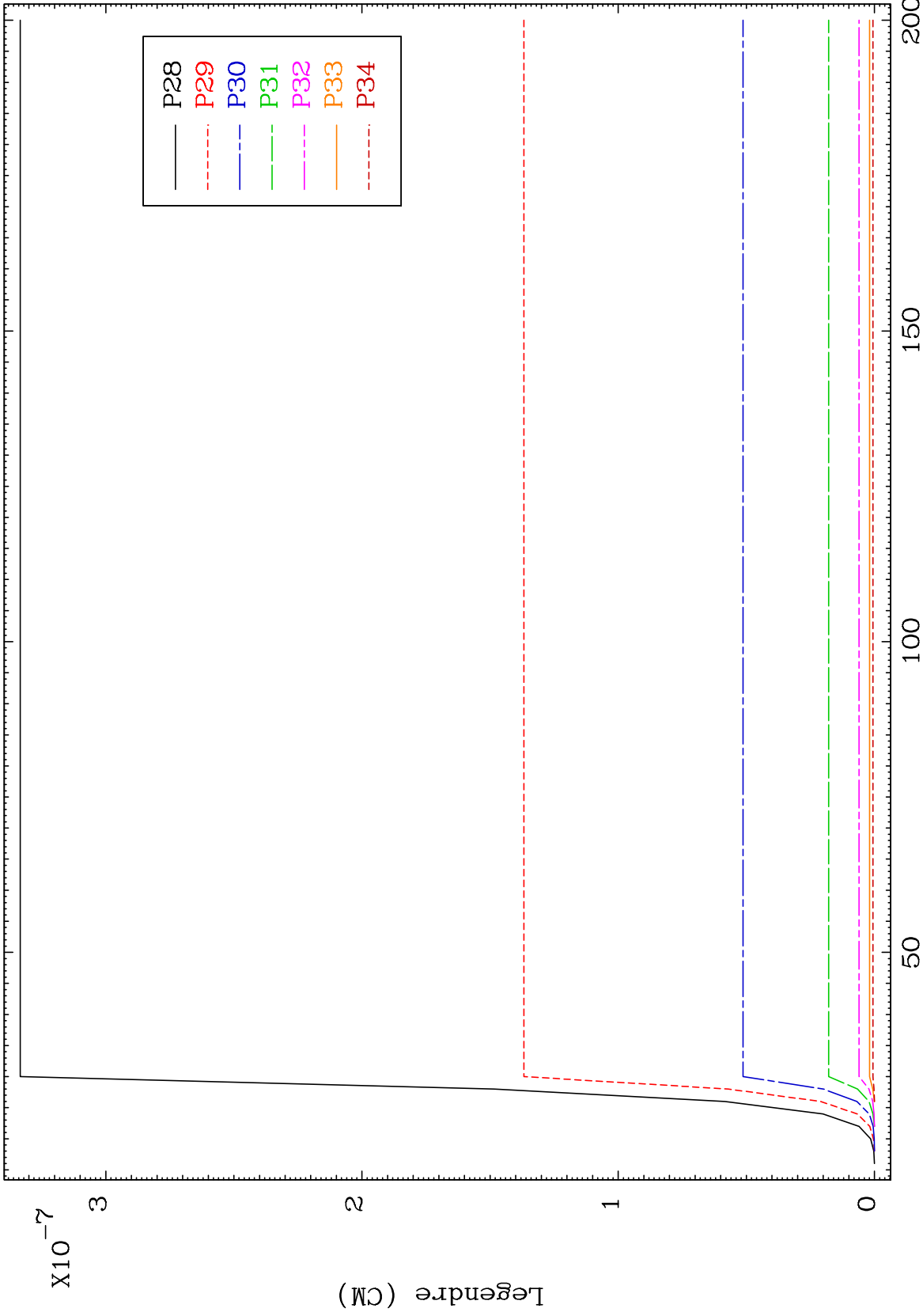
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



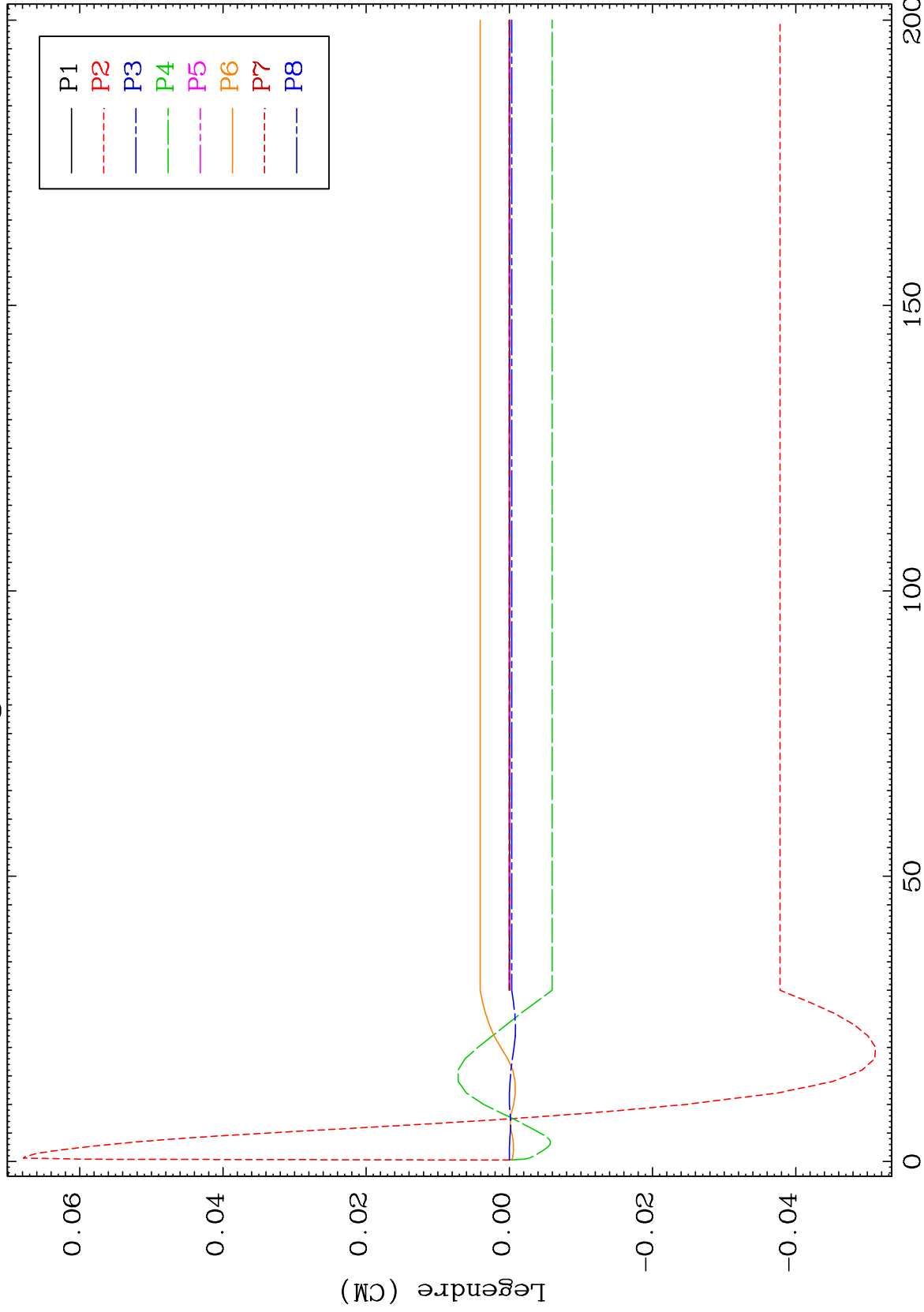
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51-Sb-118

MAT 5116

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

51-Sb-118



42

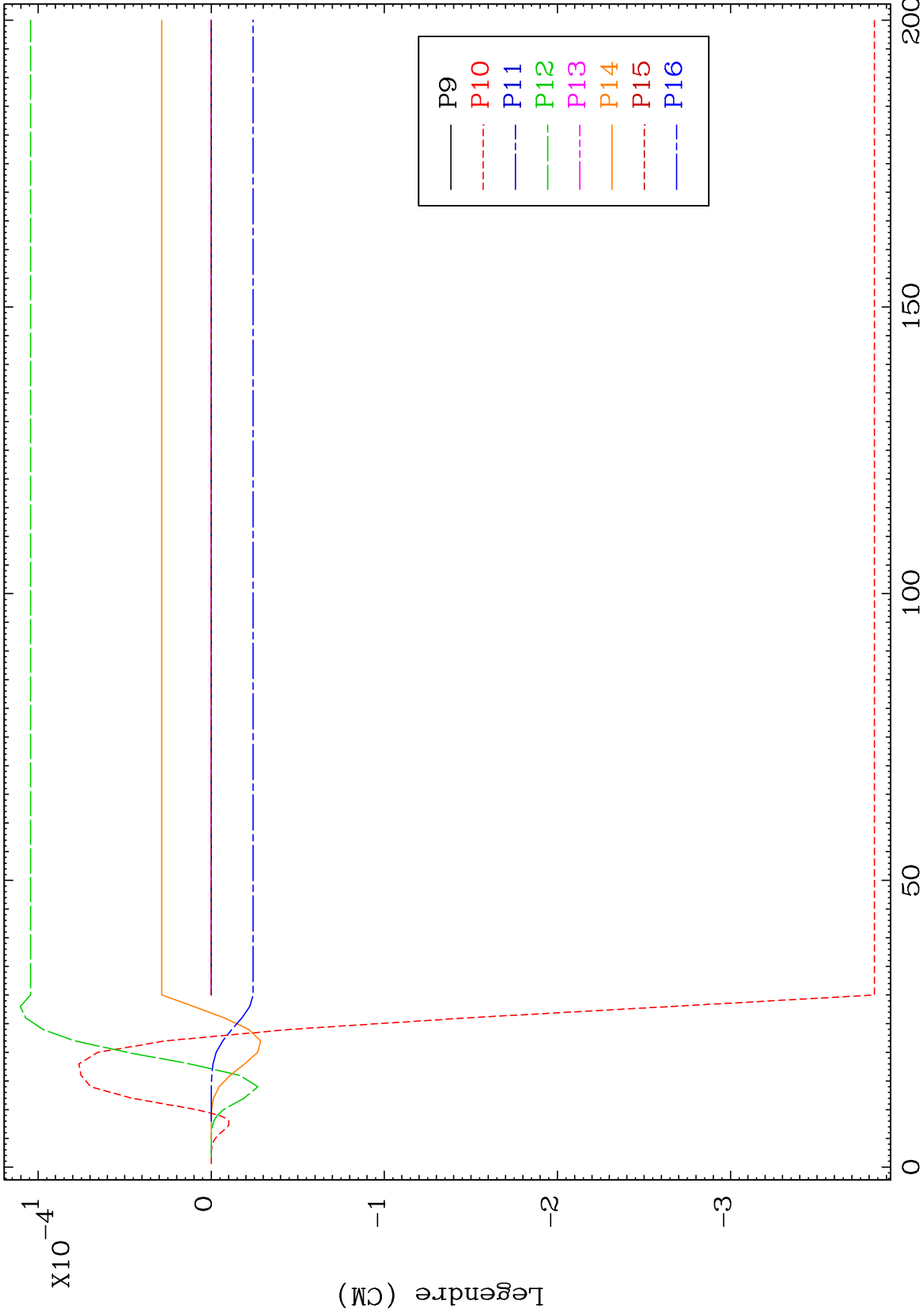
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



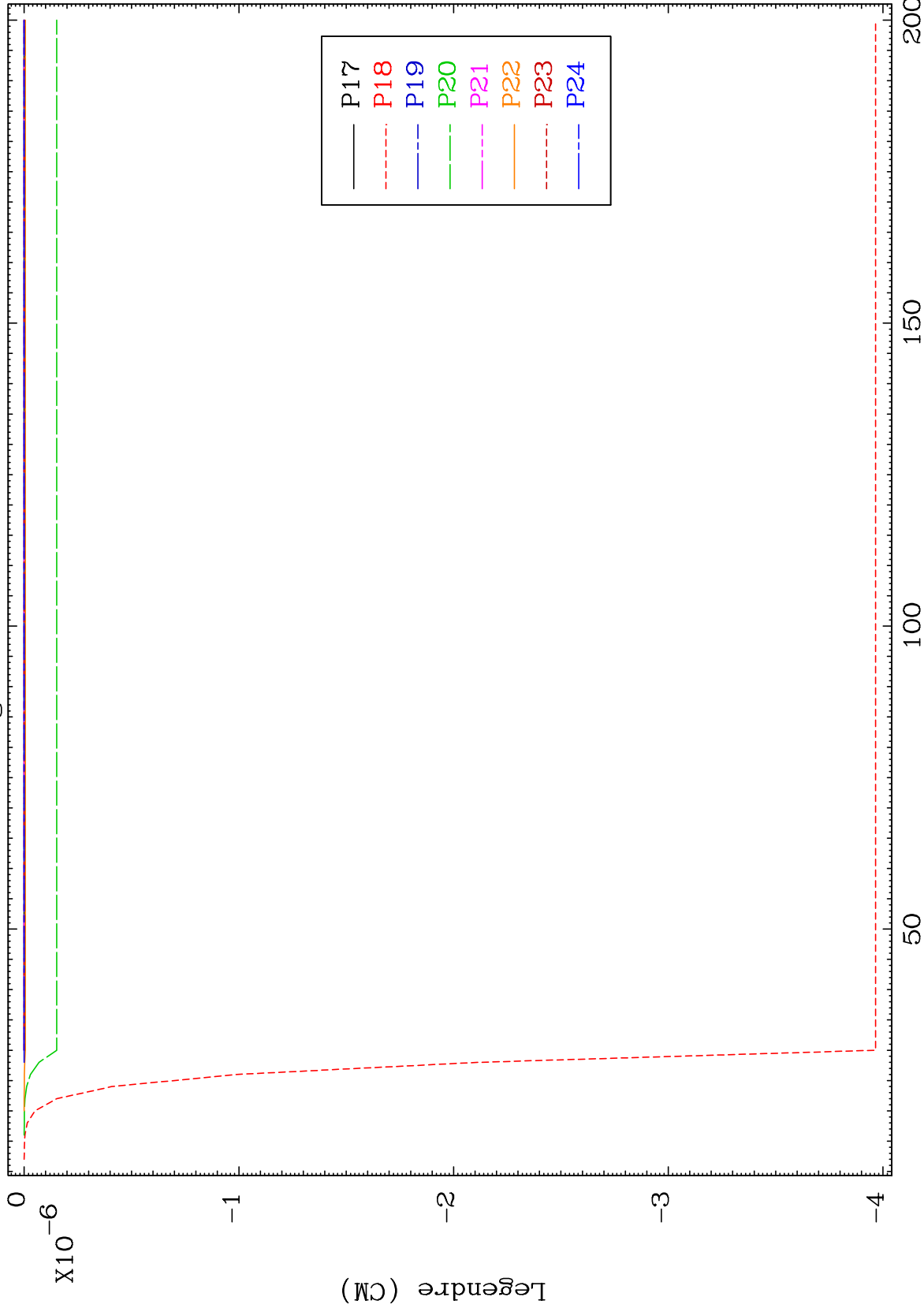
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51-Sb-118

MAT 5116

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

51-Sb-118



51-Sb-118

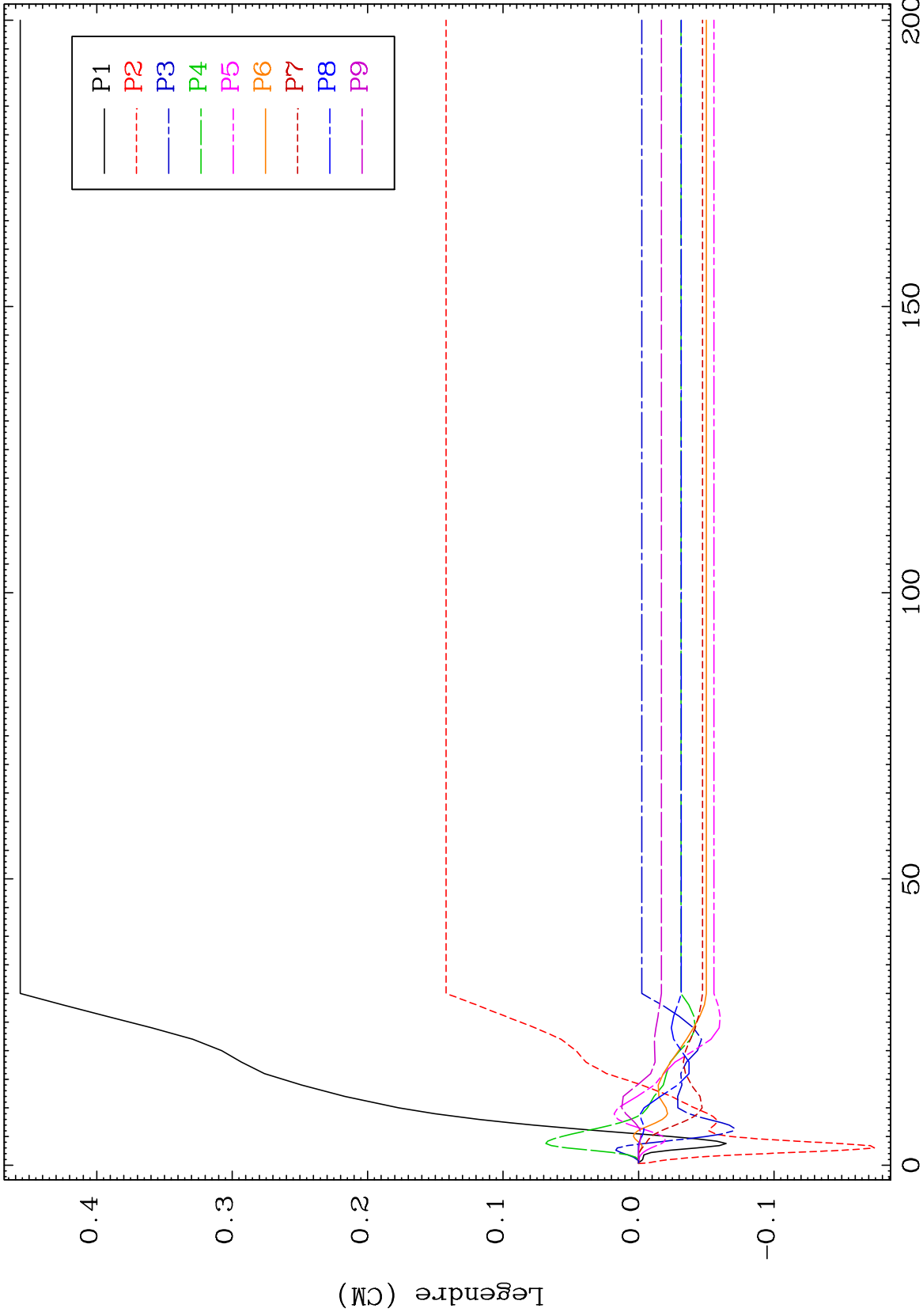
Incident Energy (MeV)

44

MAT 5116

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

51-Sb-118



45

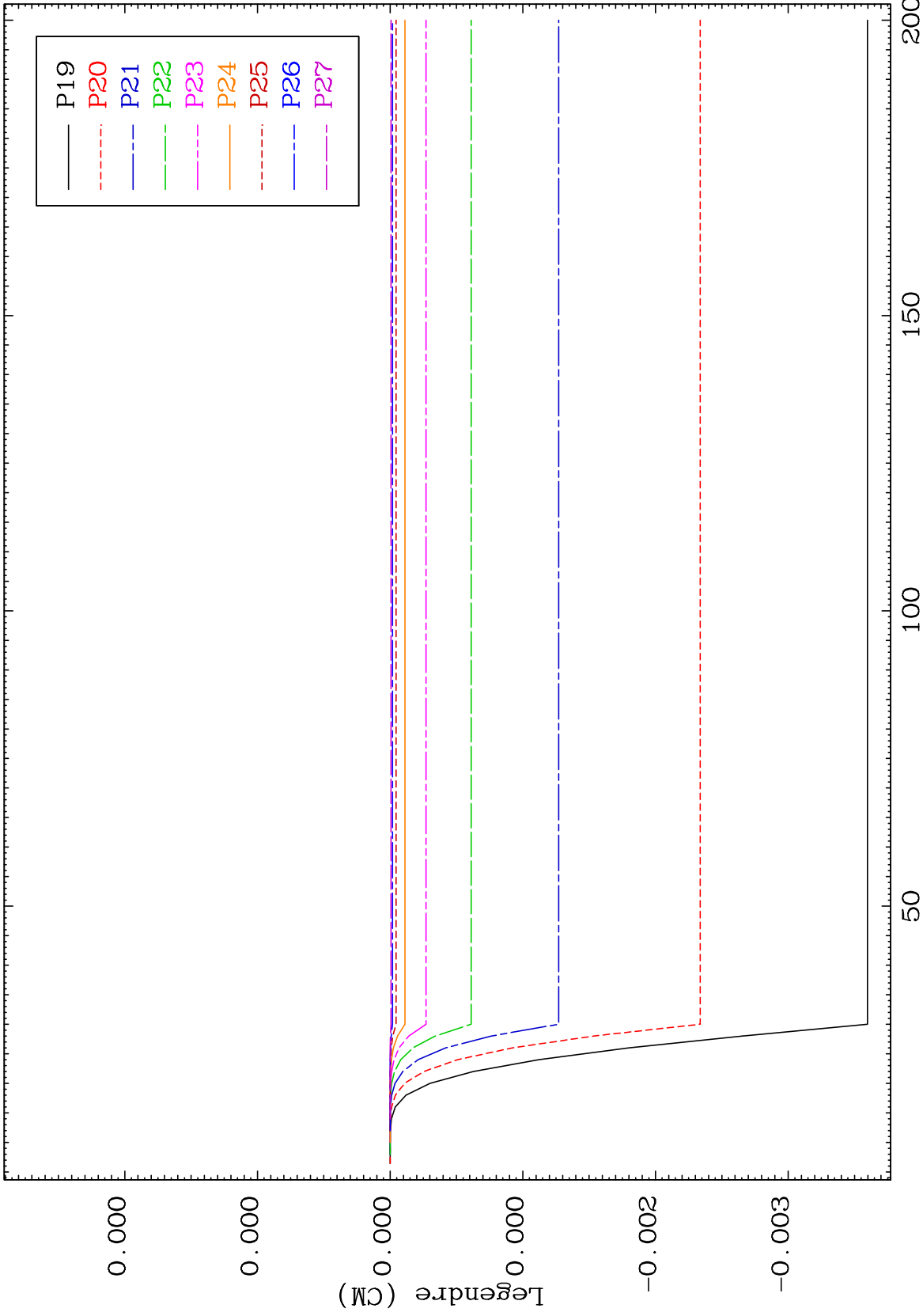
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



47

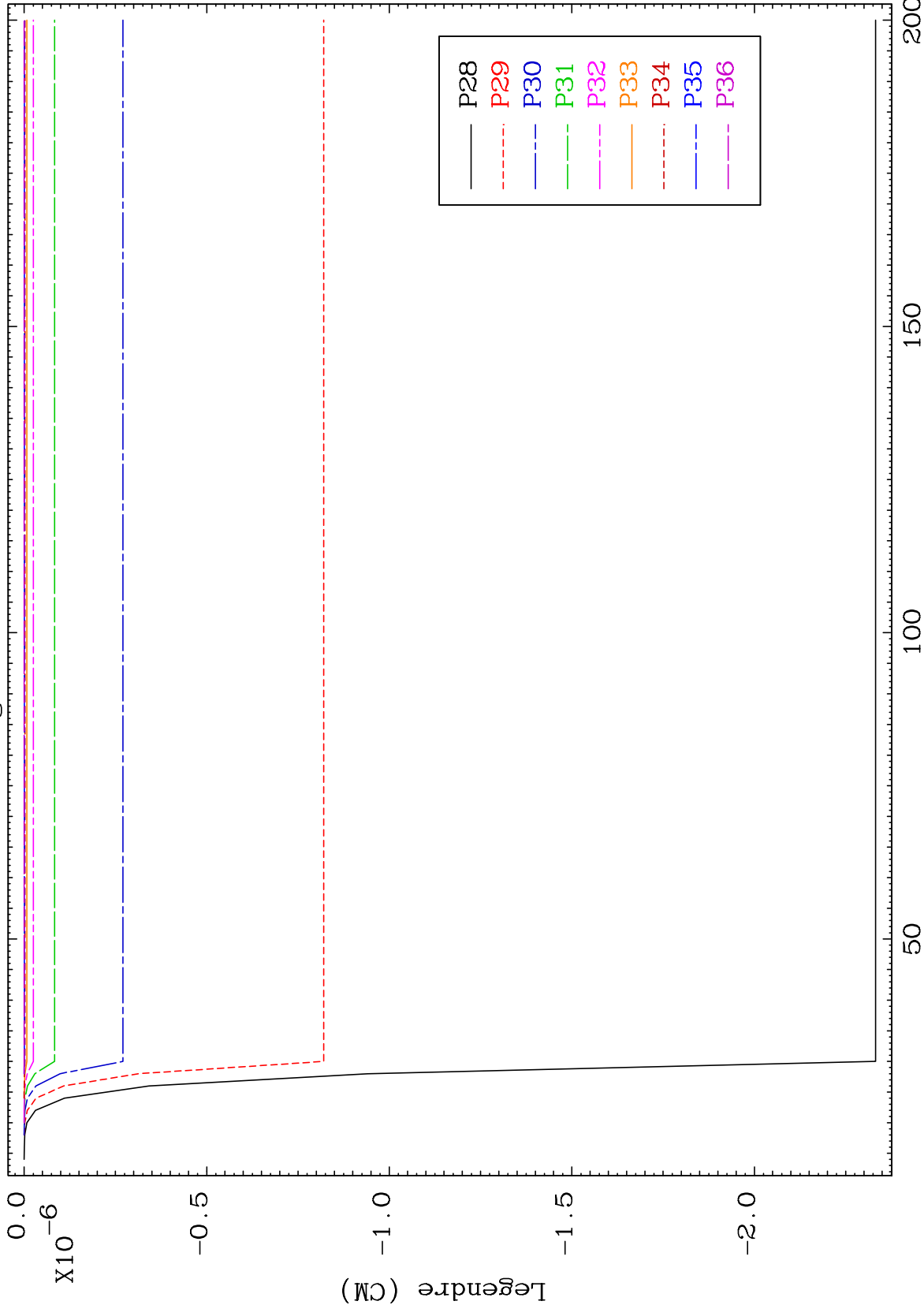
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118

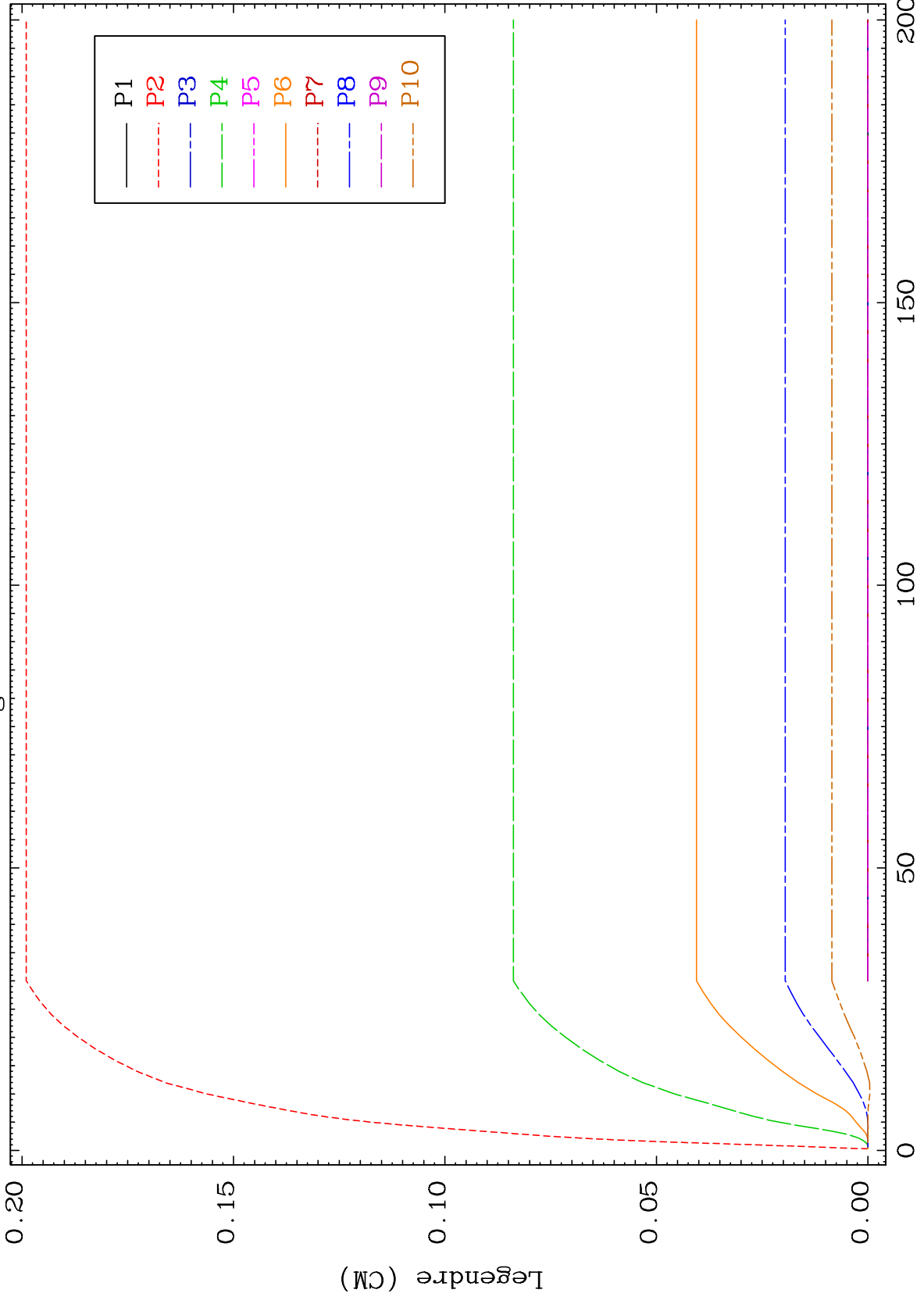


51-Sb-118

Incident Energy (MeV)

48

MAT 5116 MT= 59 (n,n') Level Legendre Coefficients 51-Sb-118

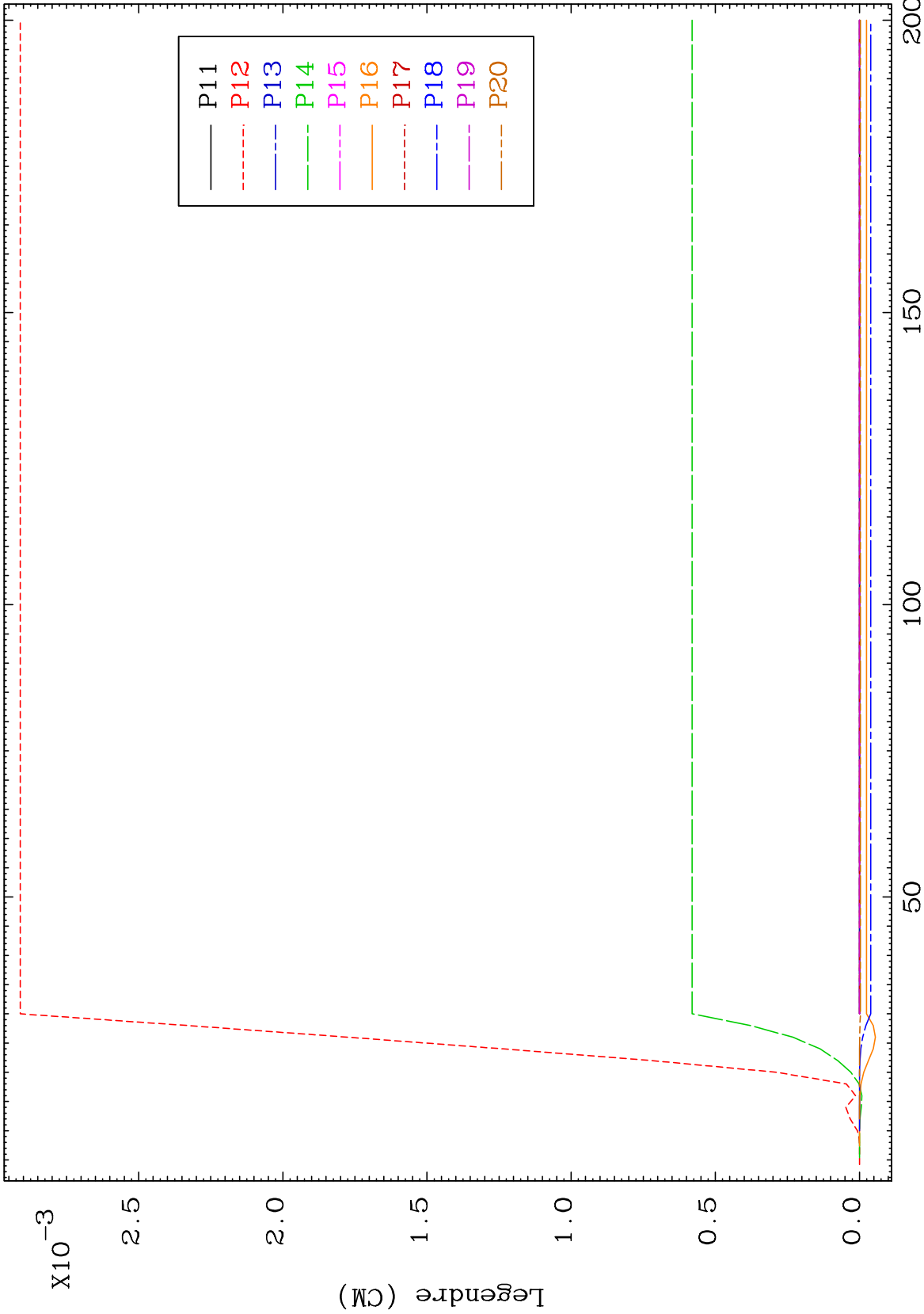


49 51-Sb-118

MAT 5116

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

51-Sb-118



51-Sb-118

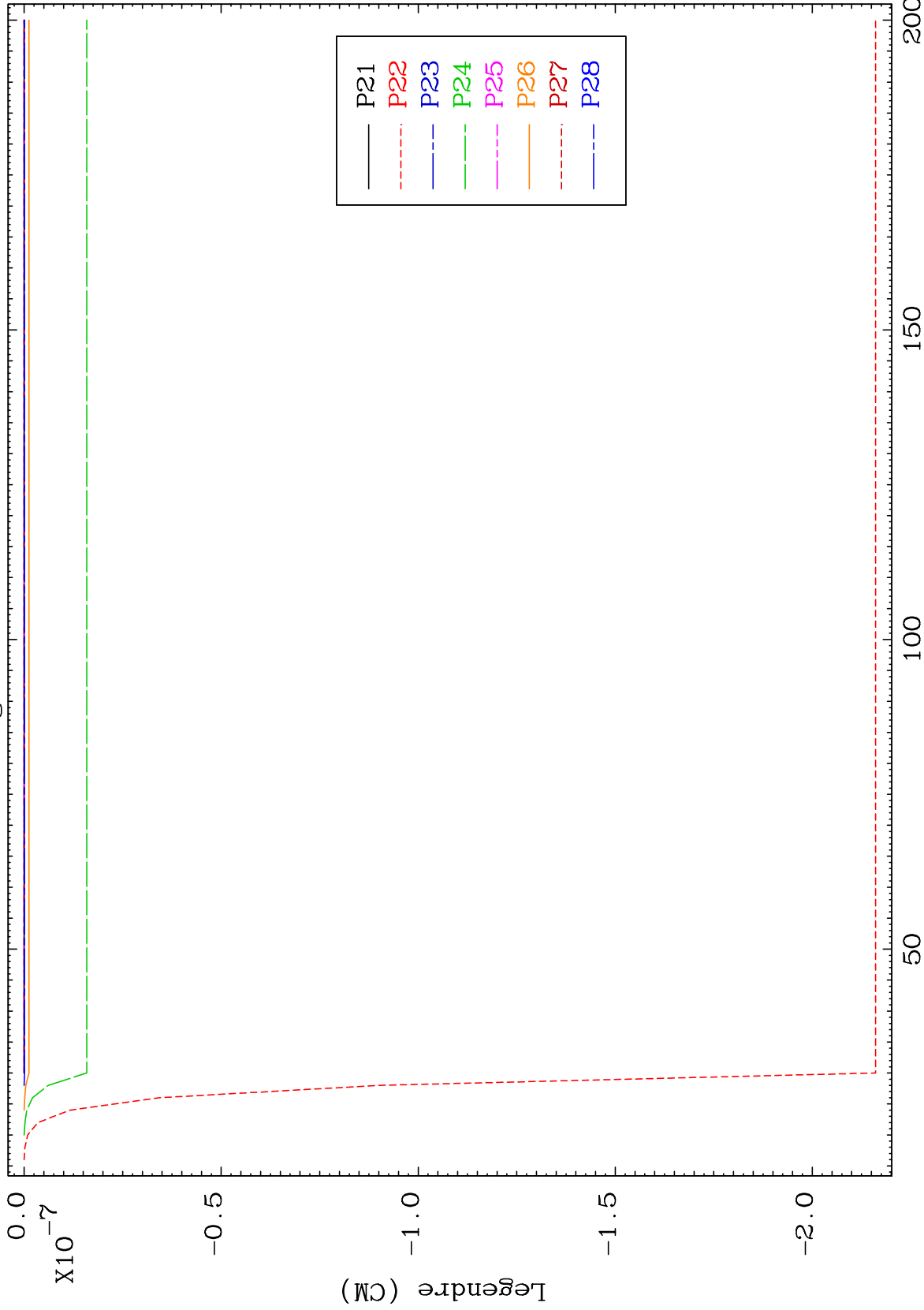
Incident Energy (MeV)

50

MAT 5116

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

51-Sb-118



51

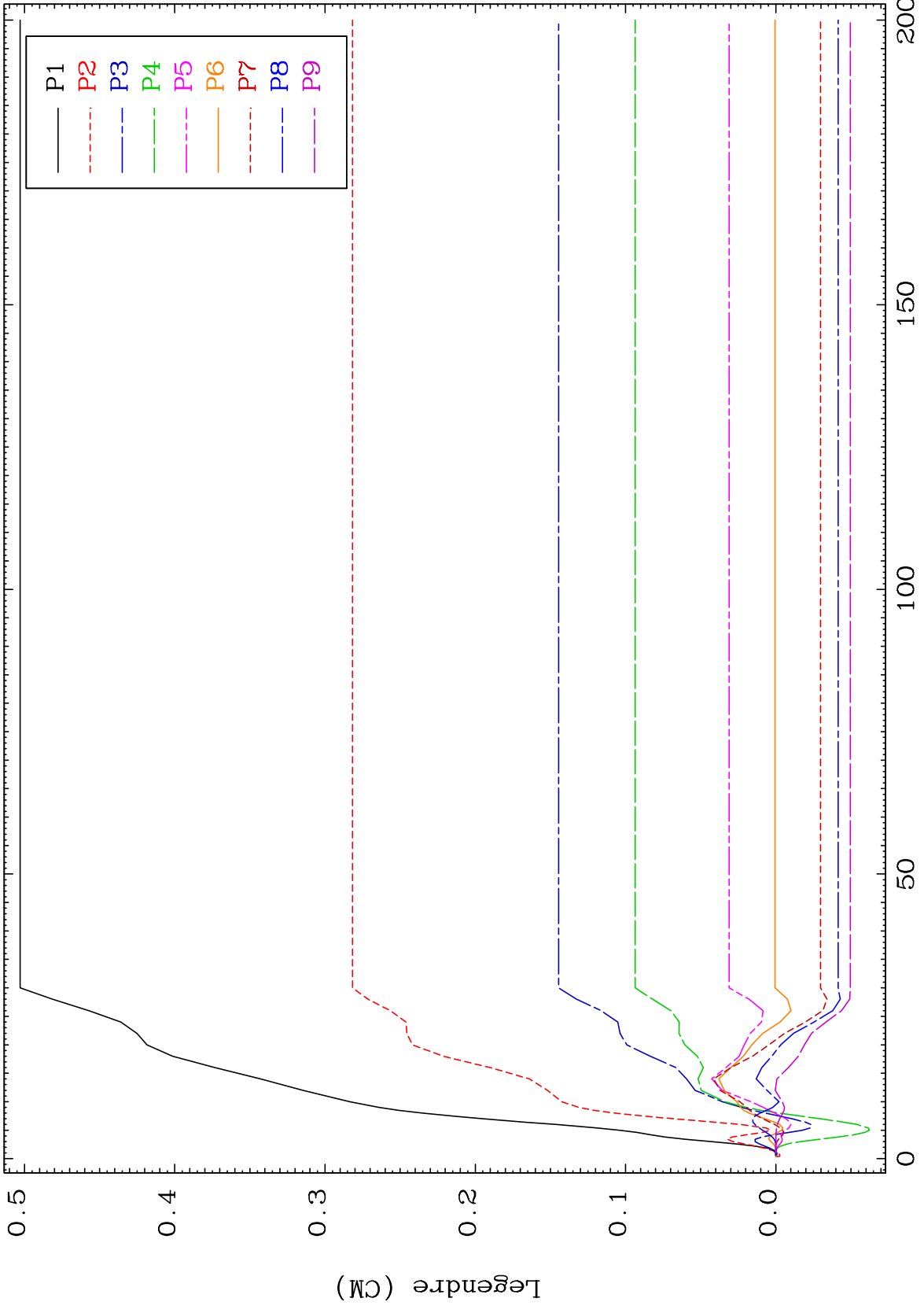
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



52

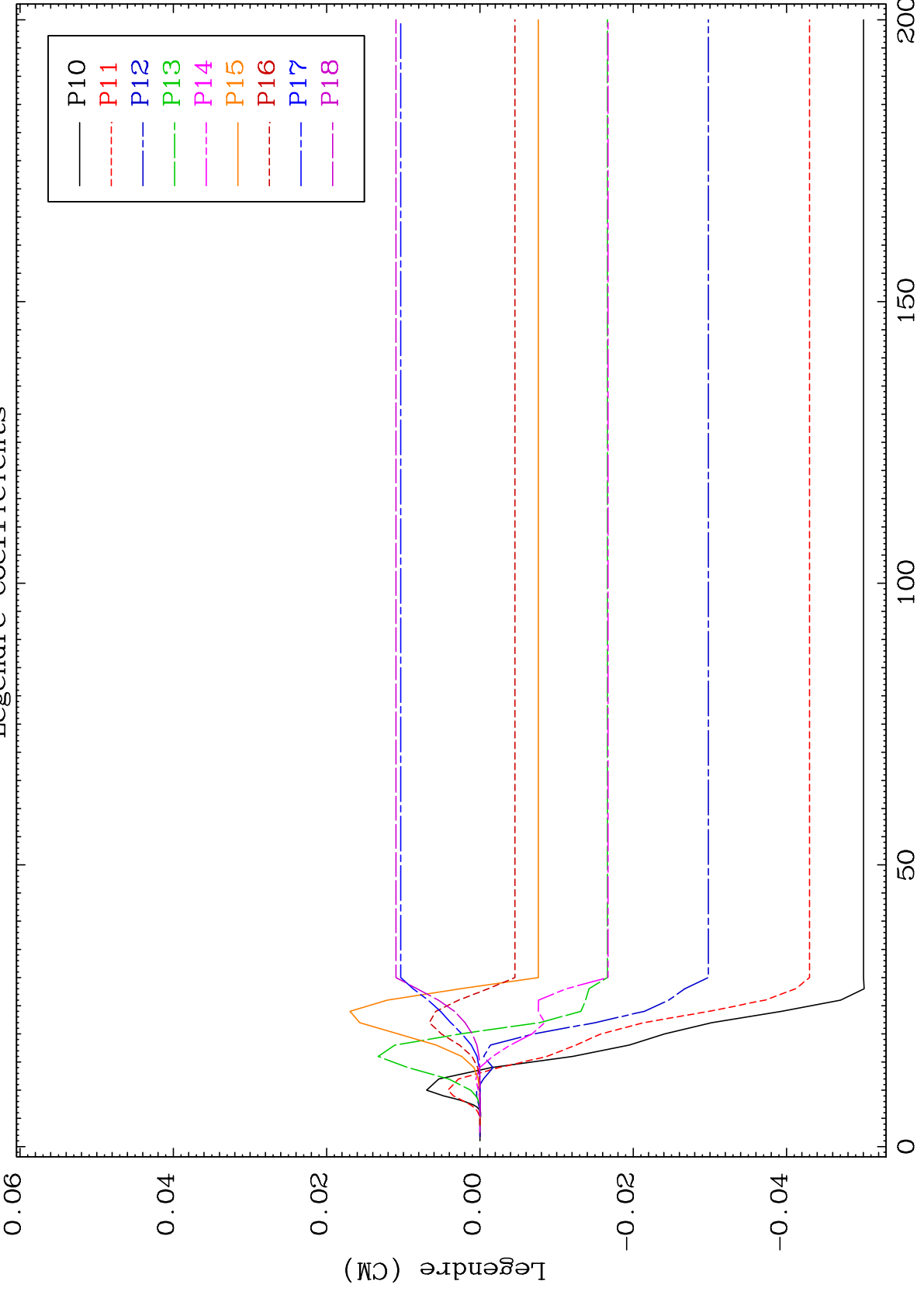
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



51-Sb-118

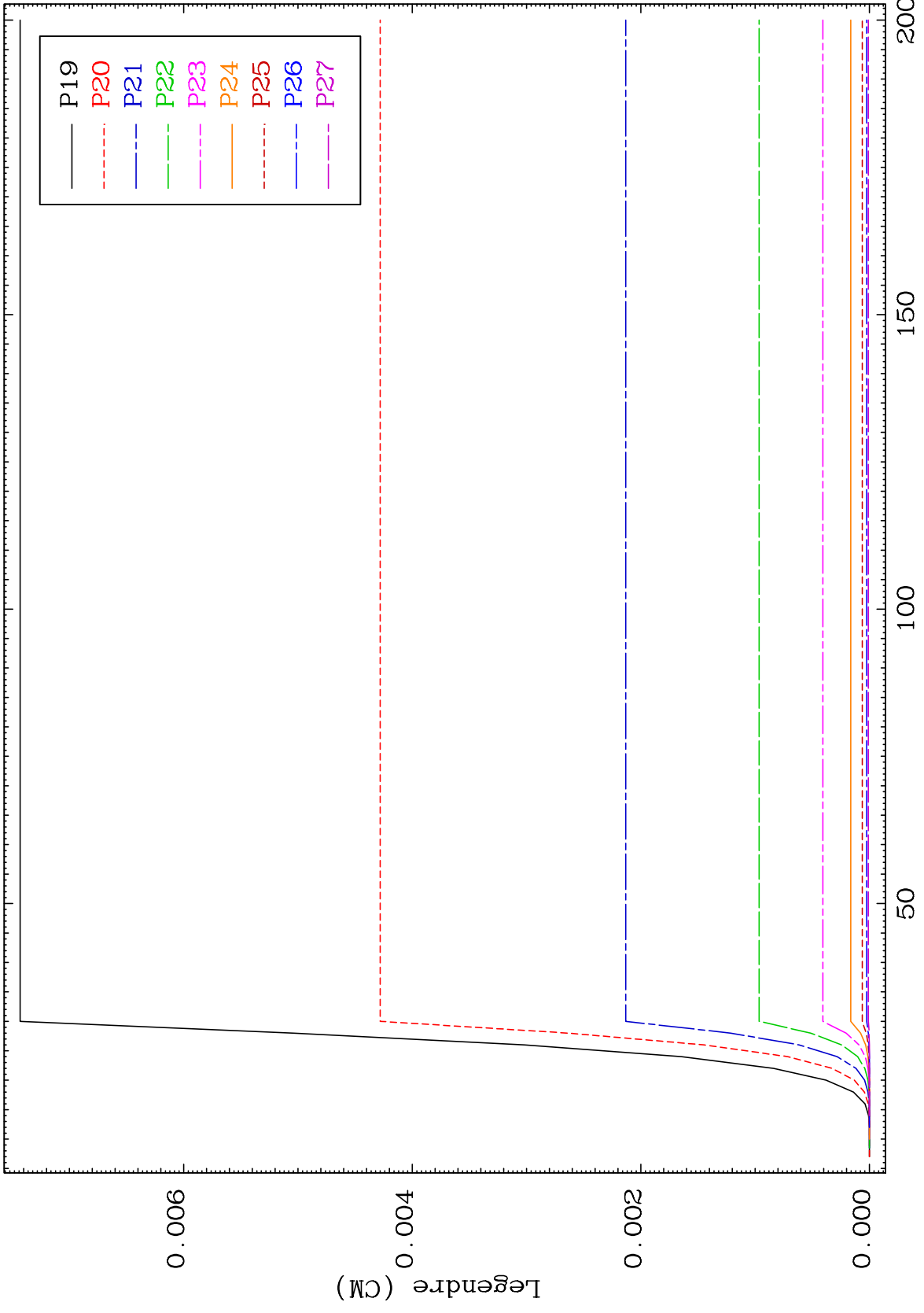
Incident Energy (MeV)

53

MAT 5116

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

51-Sb-118



54

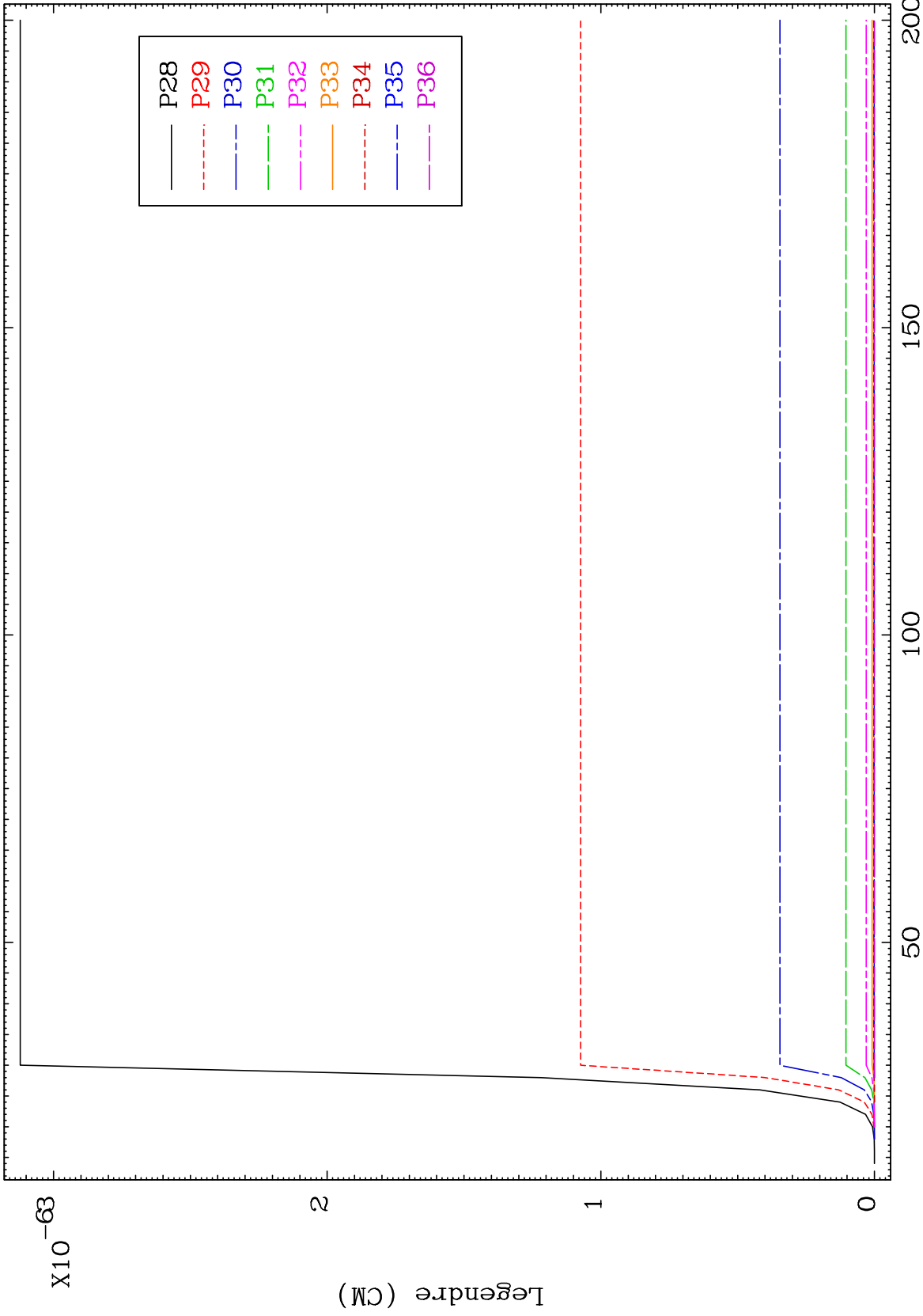
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



55

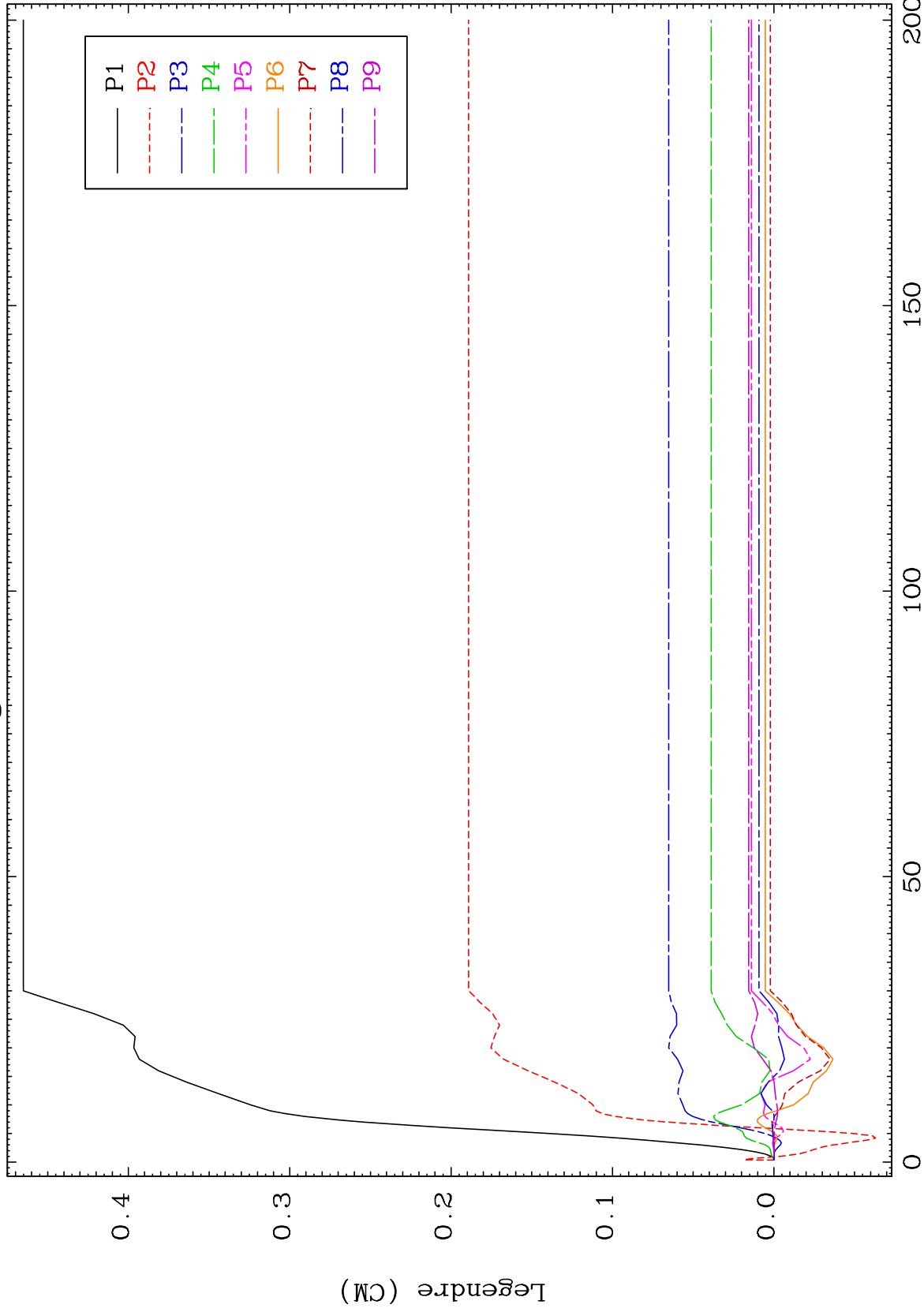
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



56

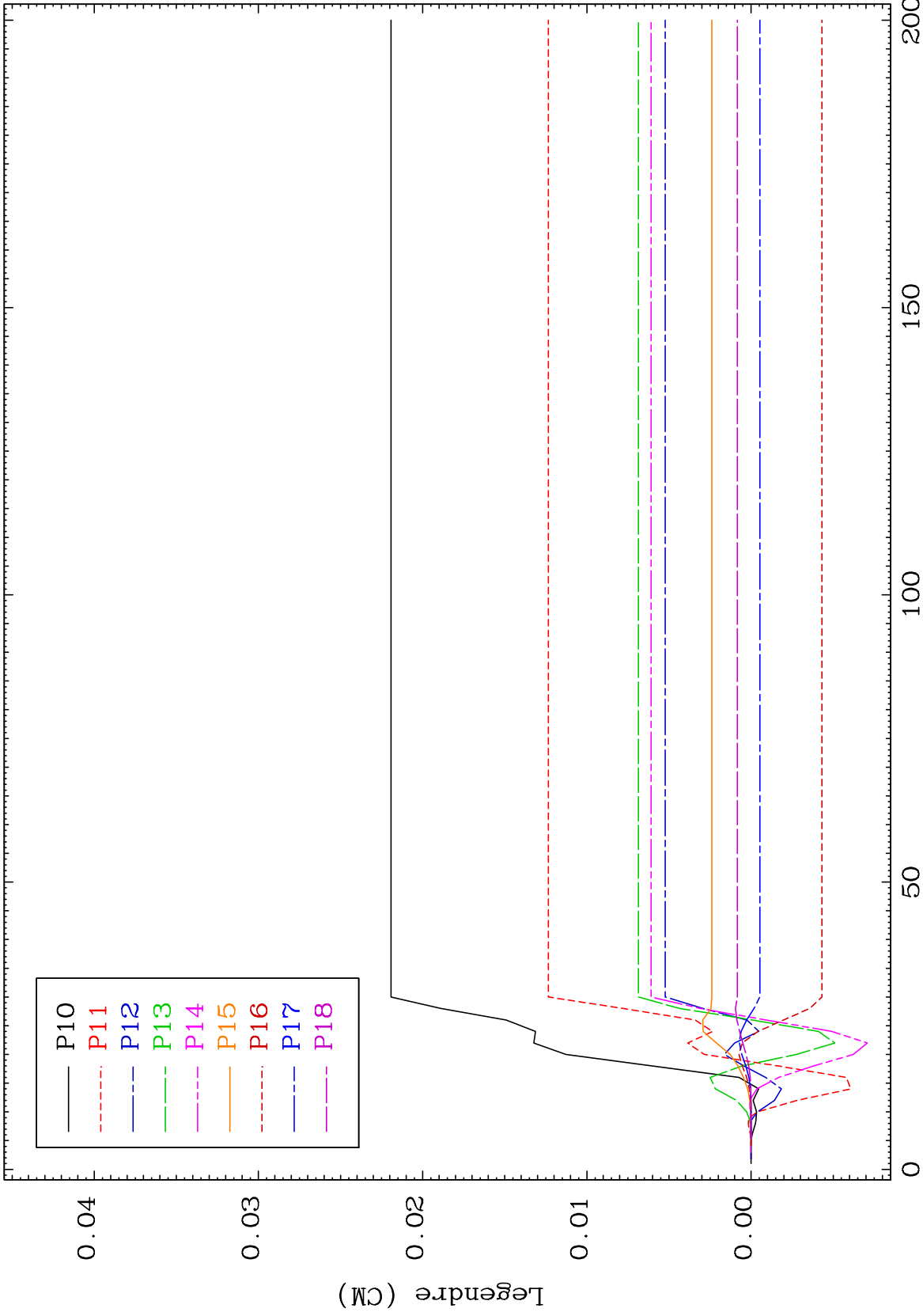
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



57

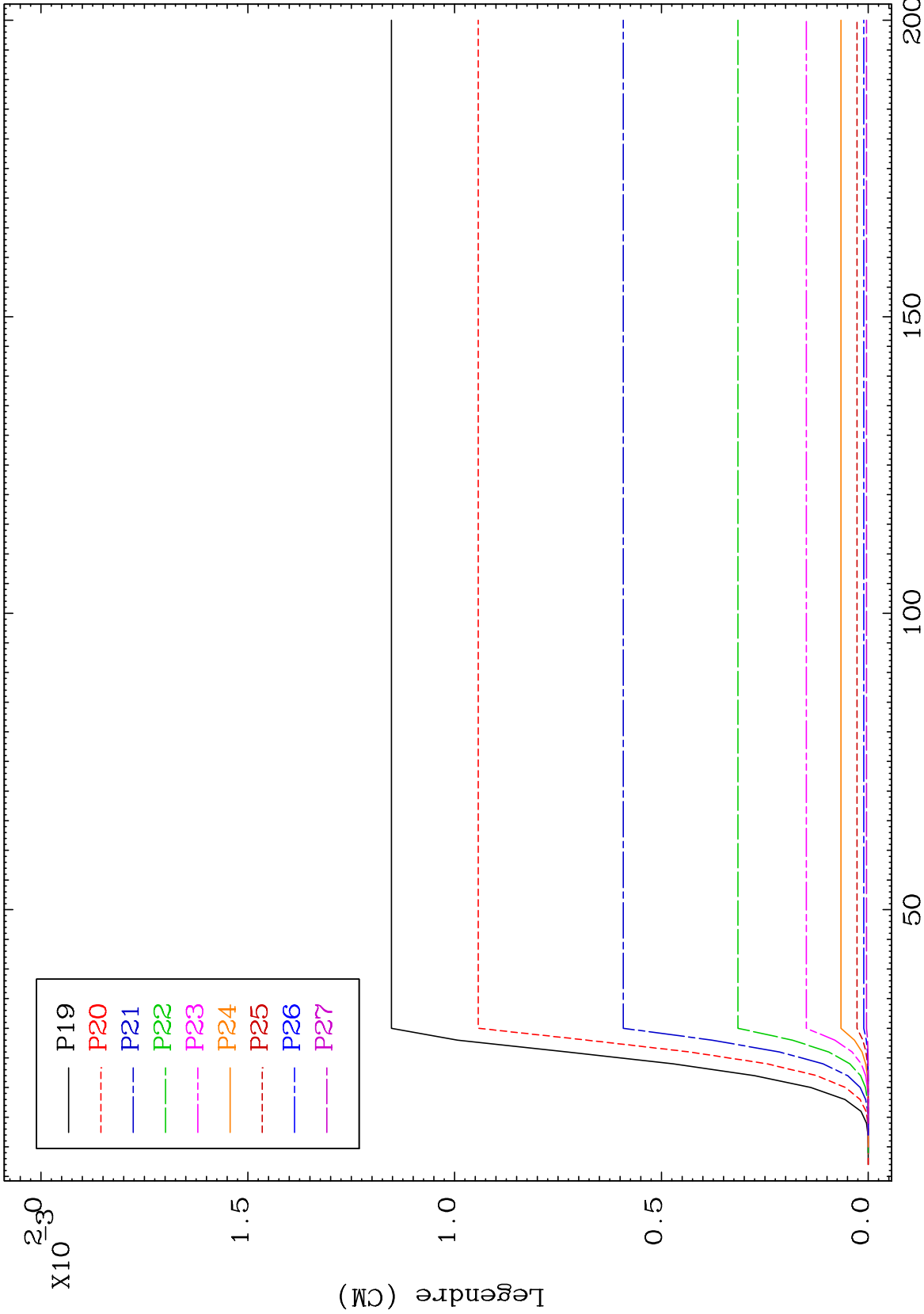
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



58

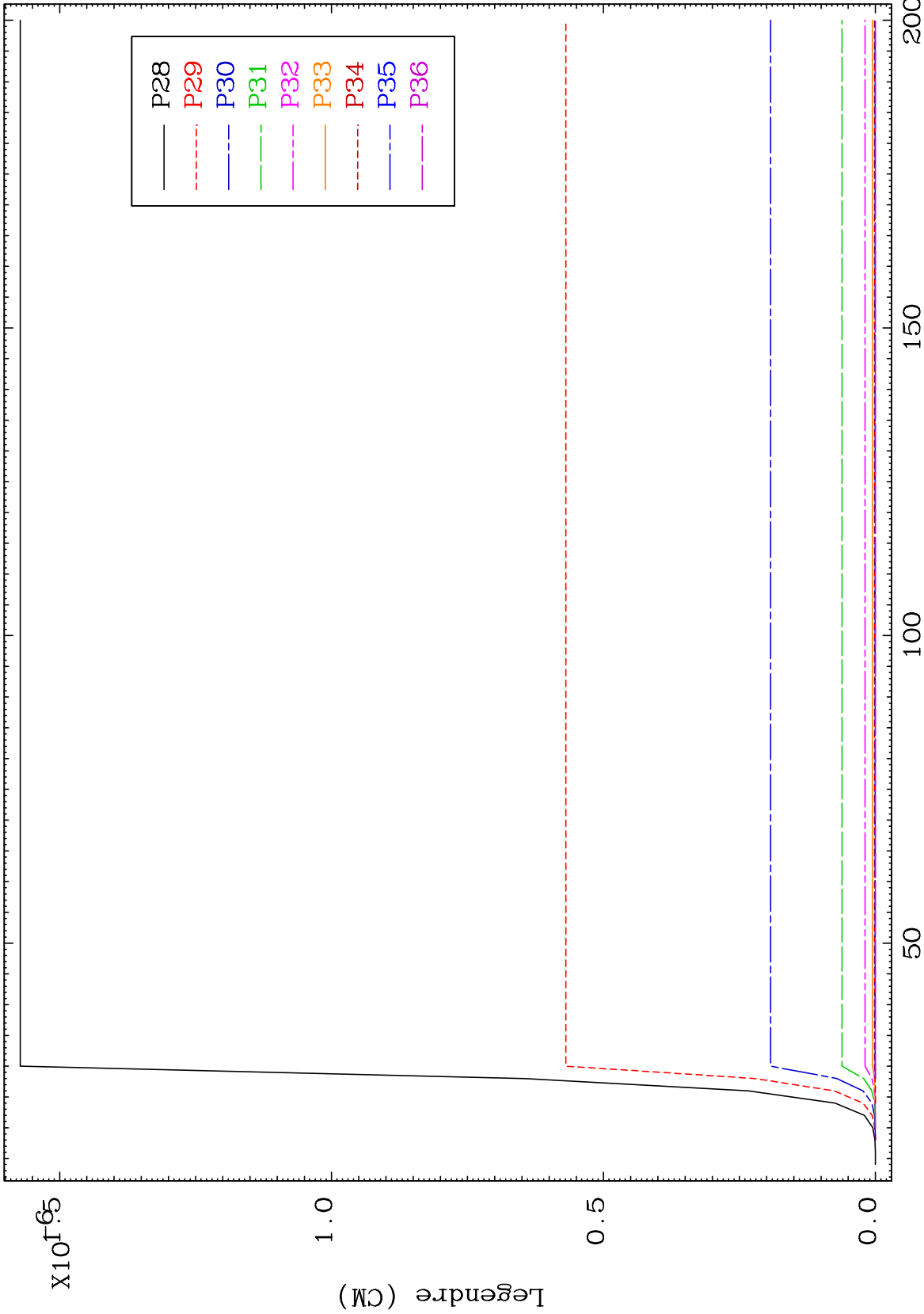
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



59

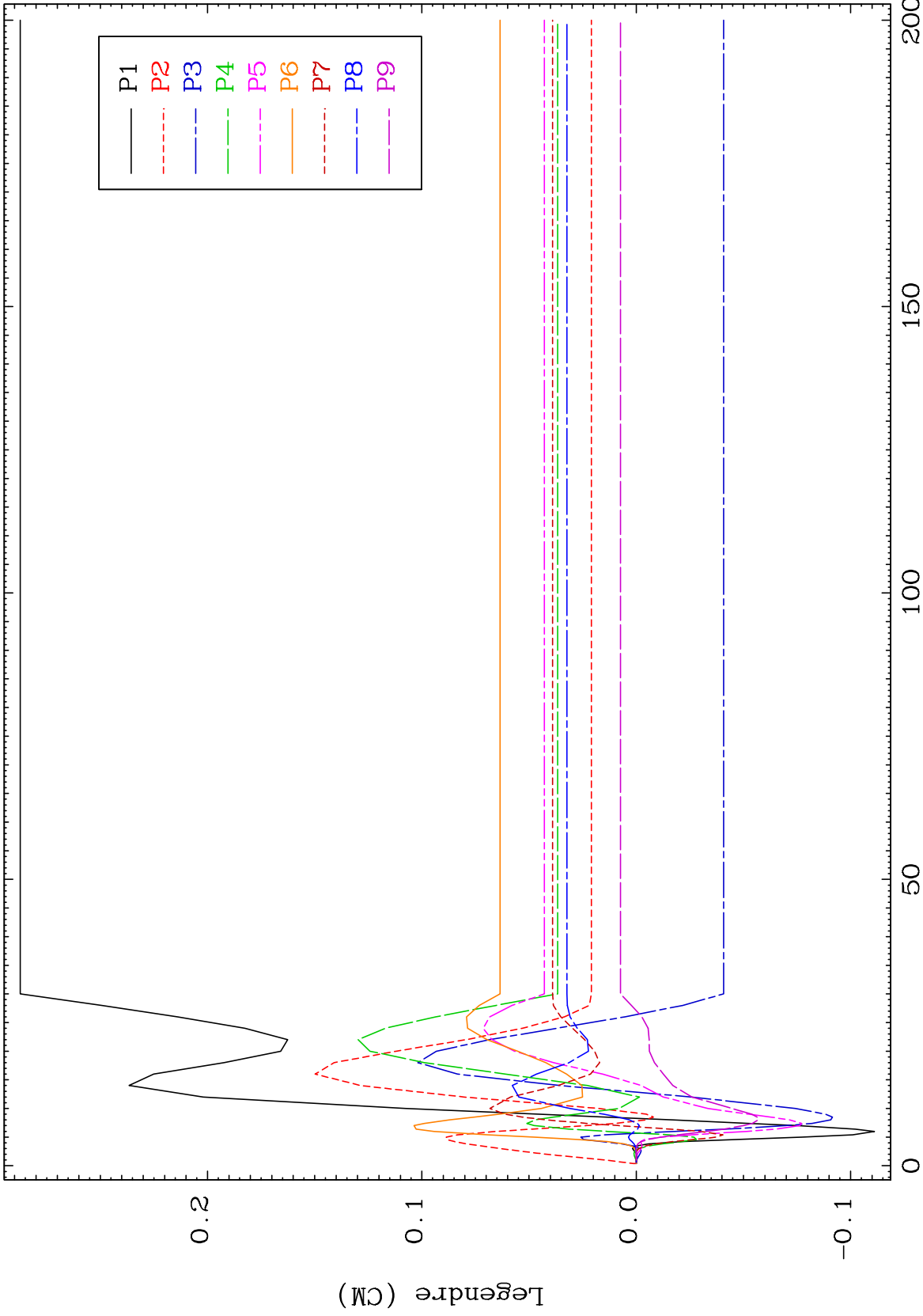
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



51-Sb-118

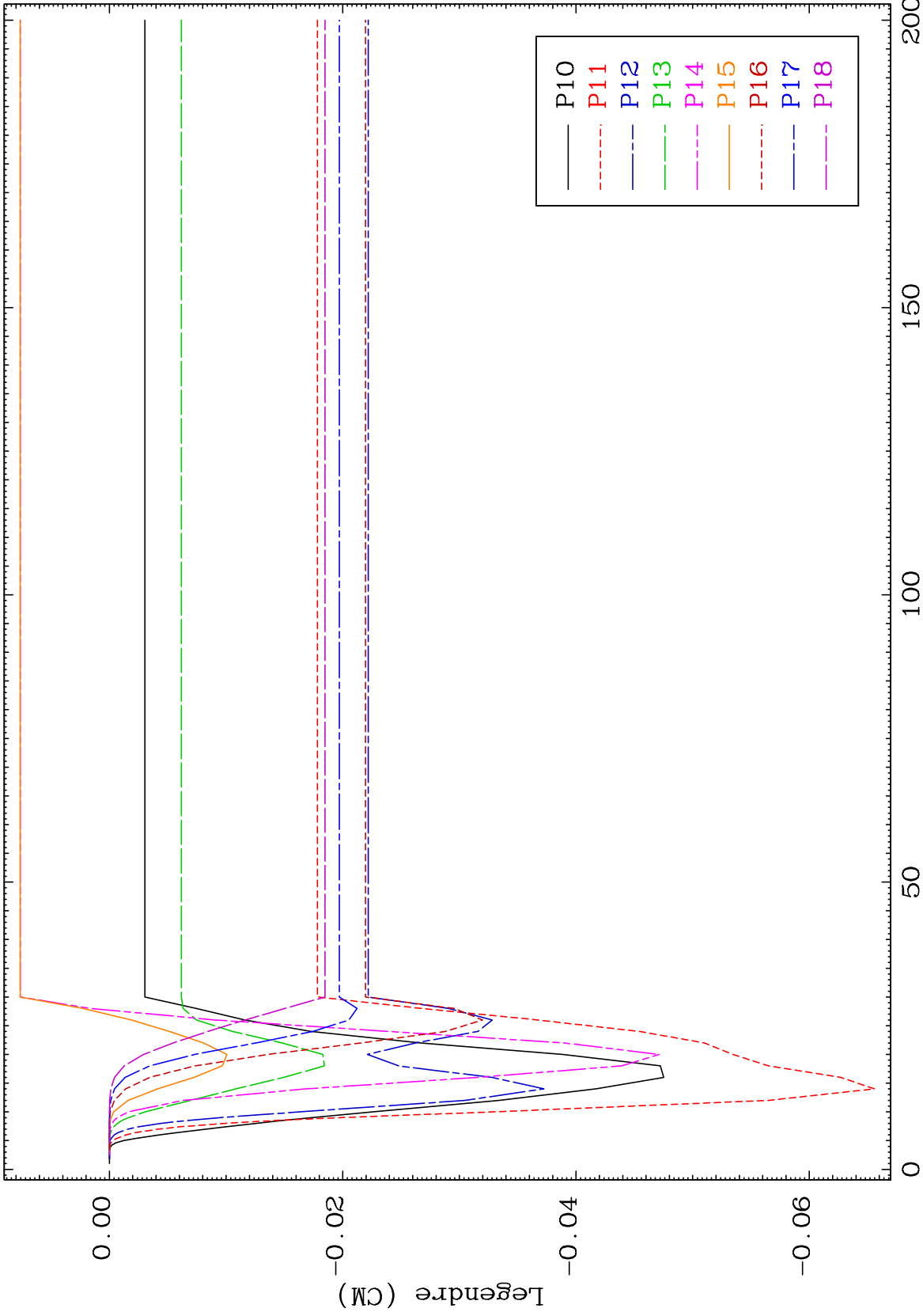
Incident Energy (MeV)

60

MAT 5116

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

51-Sb-118

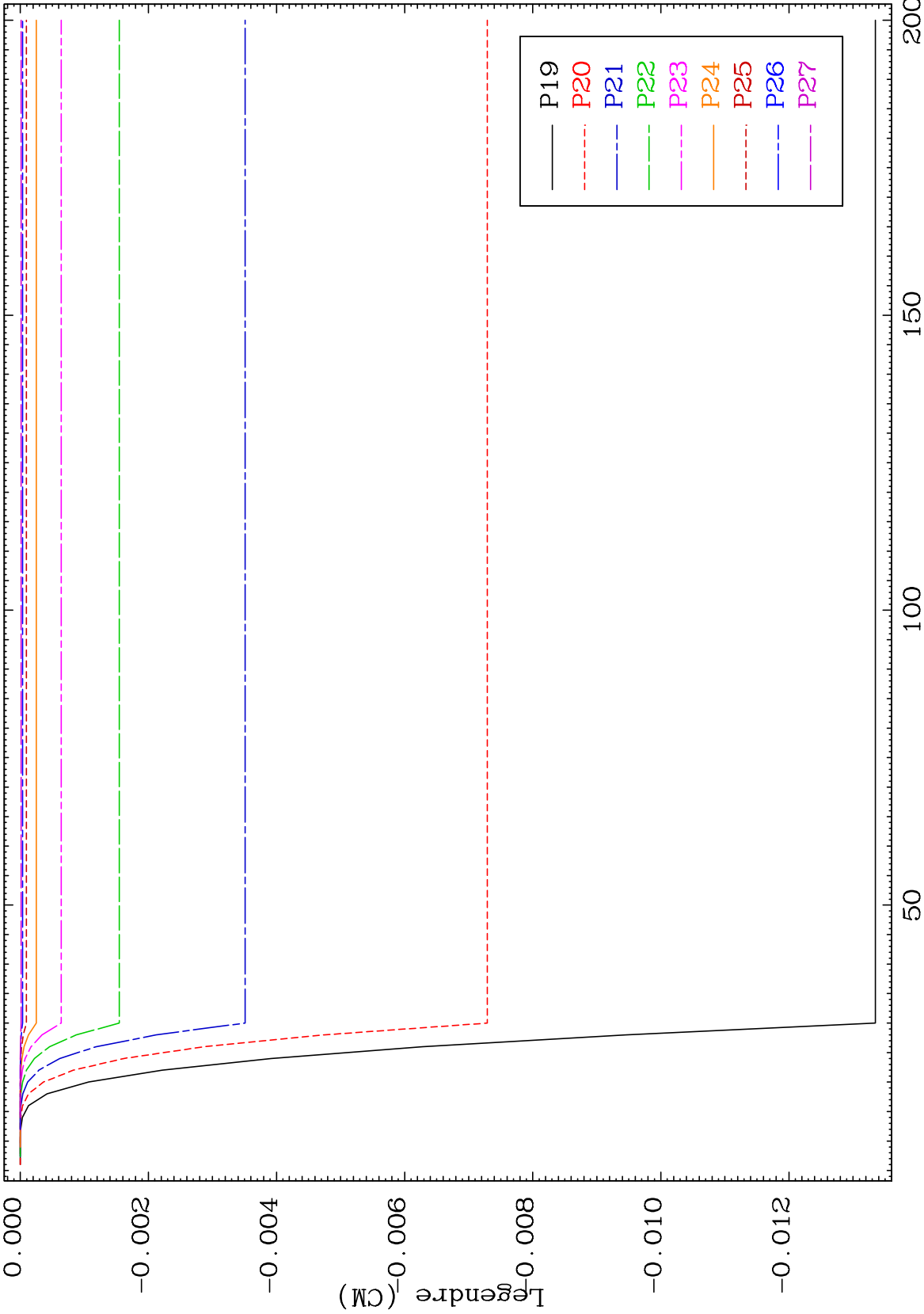


61

Incident Energy (MeV)

51-Sb-118

MAT 5116 MT= 62 (n,n') Level Legendre Coefficients 51-Sb-118

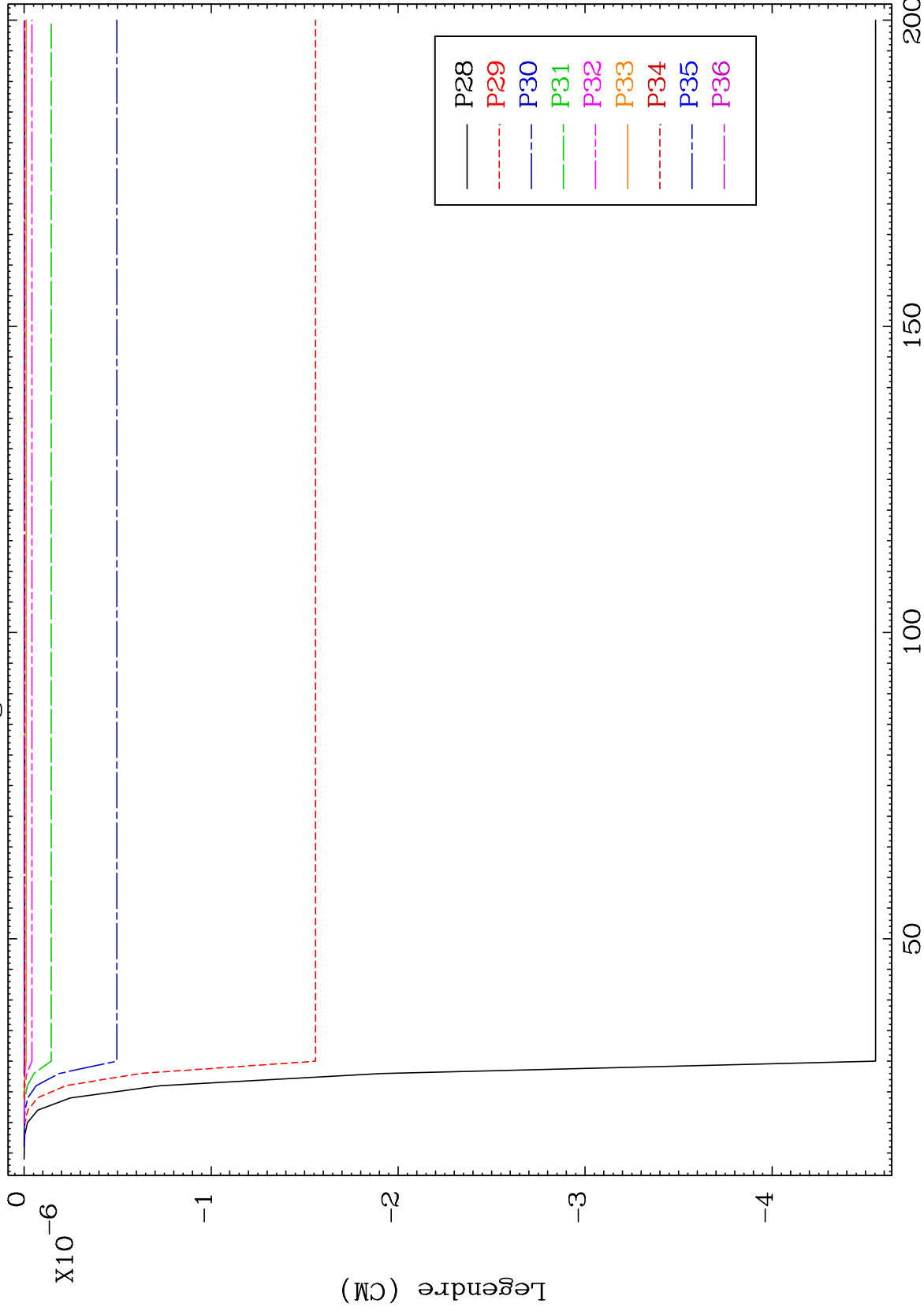


62 51-Sb-118

MAT 5116

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

51-Sb-118



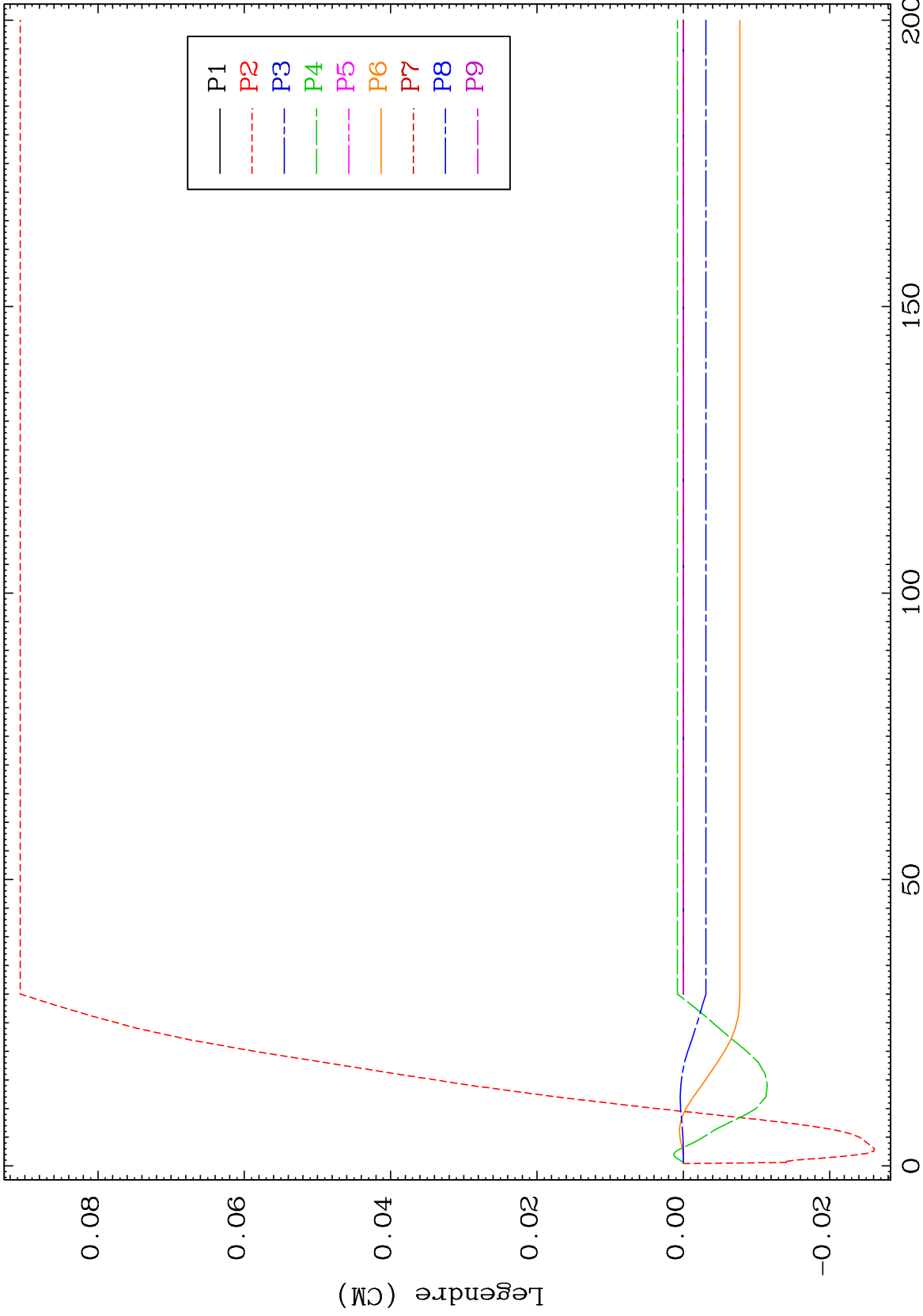
63

51-Sb-118

MAT 5116

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

51-Sb-118



64

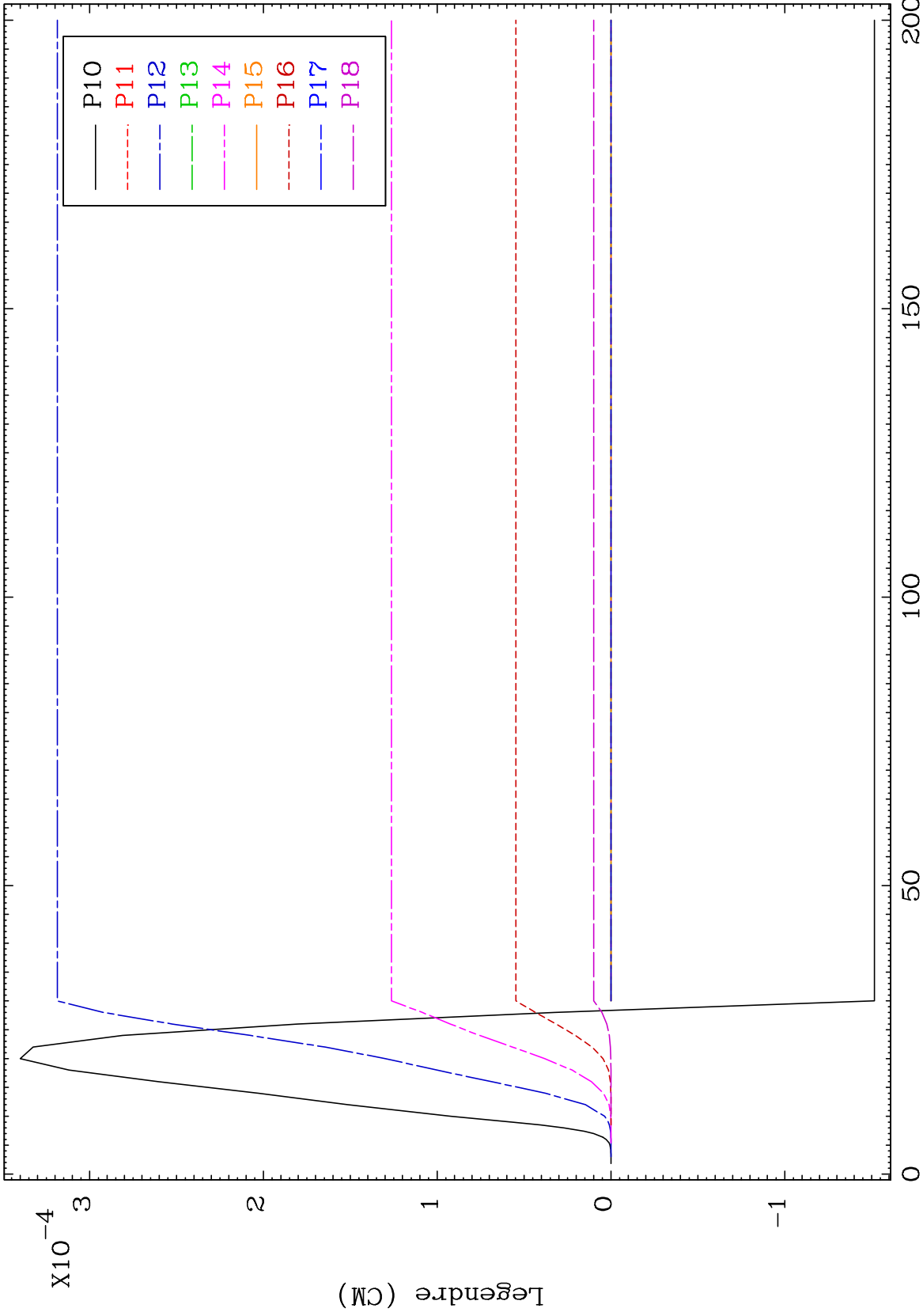
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



65

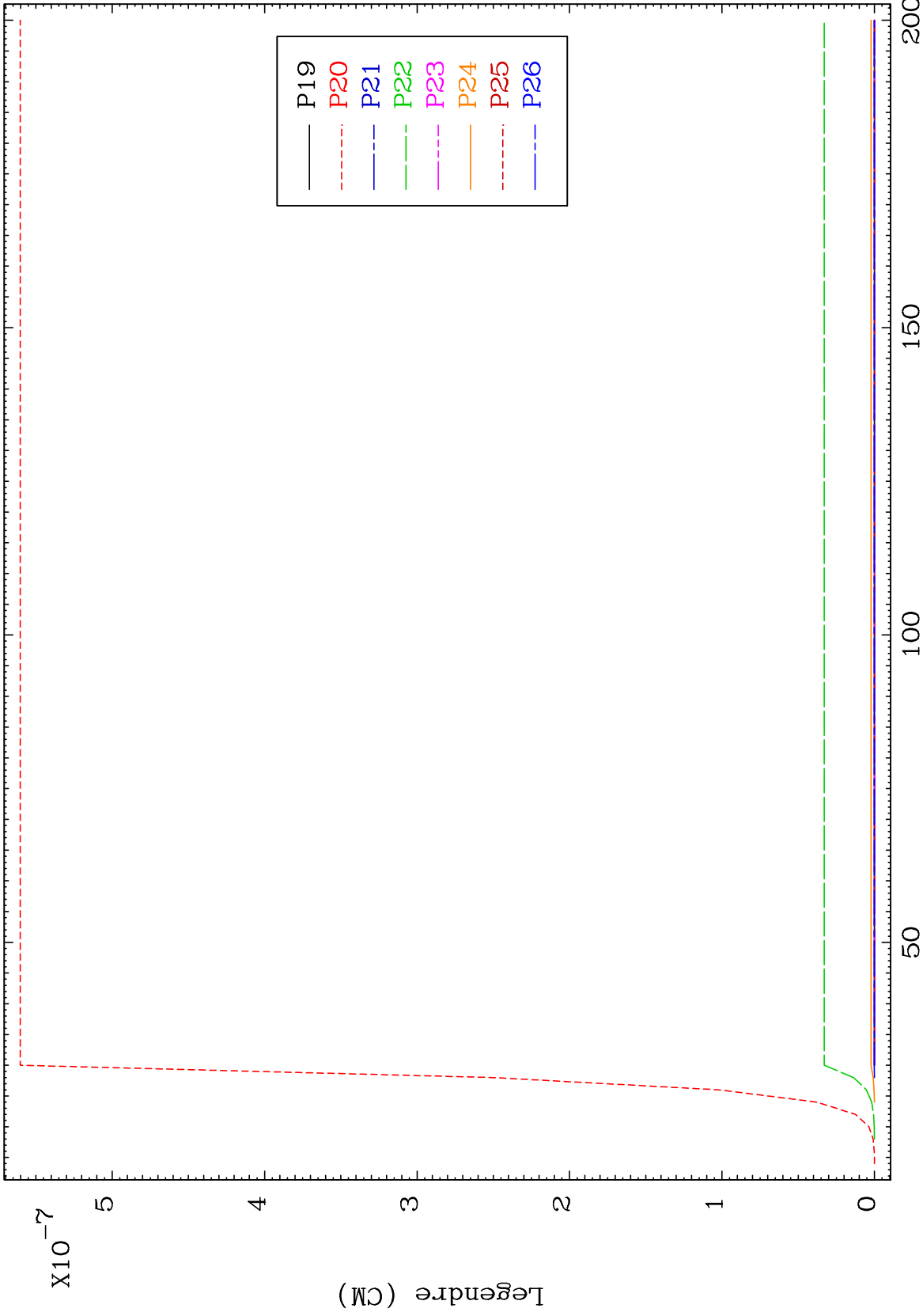
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

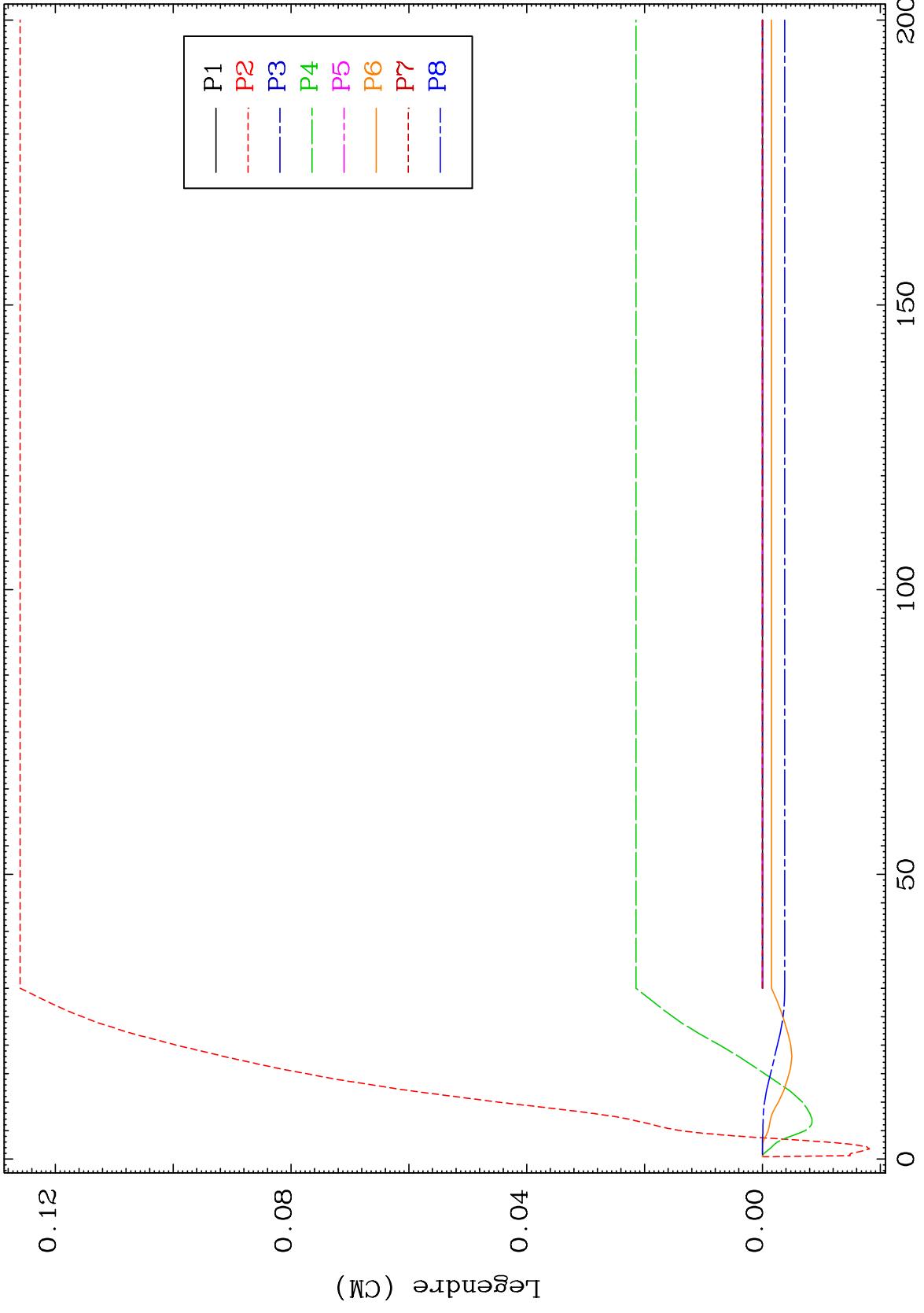
51-Sb-118



66

51-Sb-118

MAT 5116 MT= 64 (n,n') Level Legendre Coefficients 51-Sb-118

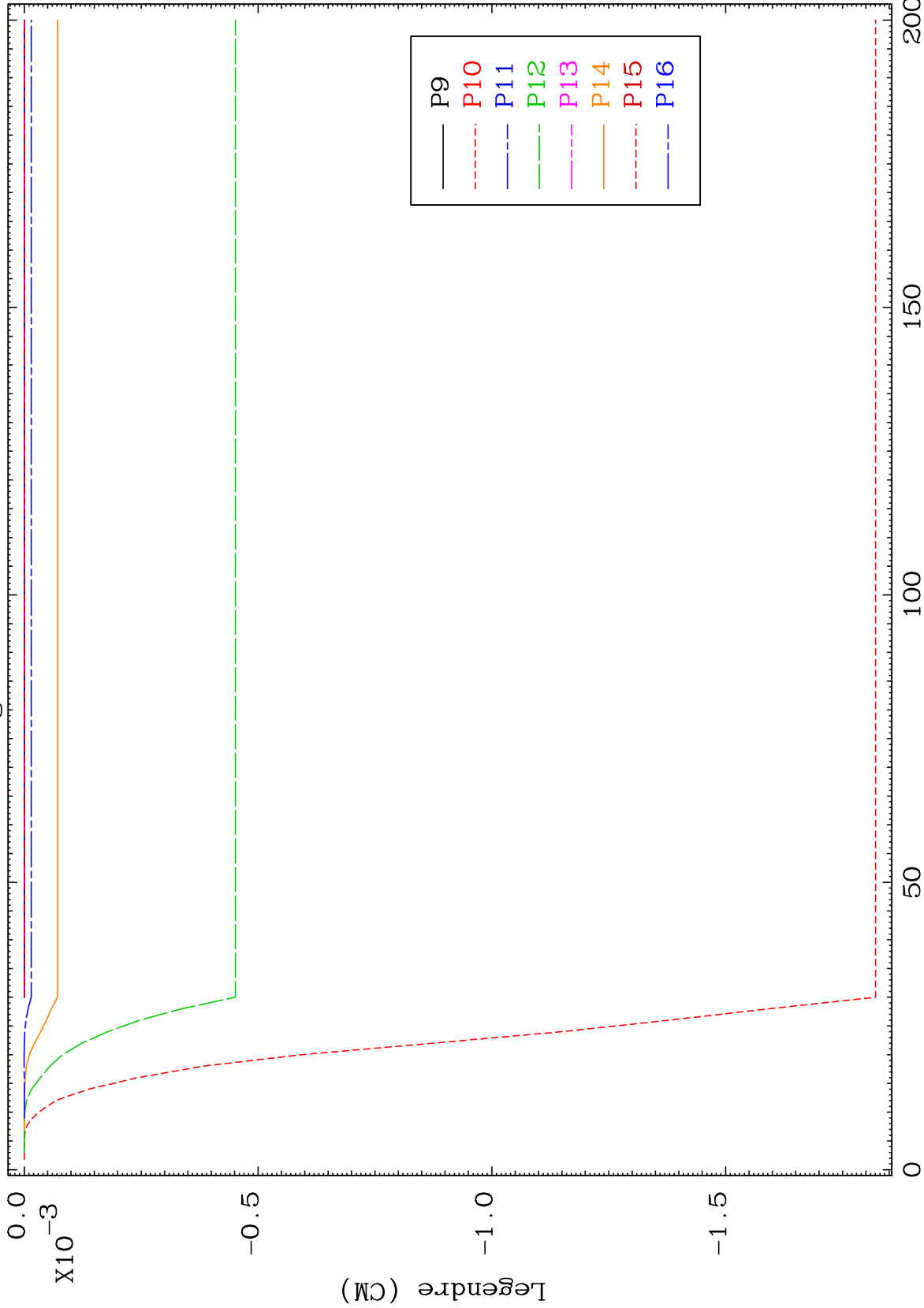


67 Incident Energy (MeV) 51-Sb-118

MAT 5116

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

51-Sb-118

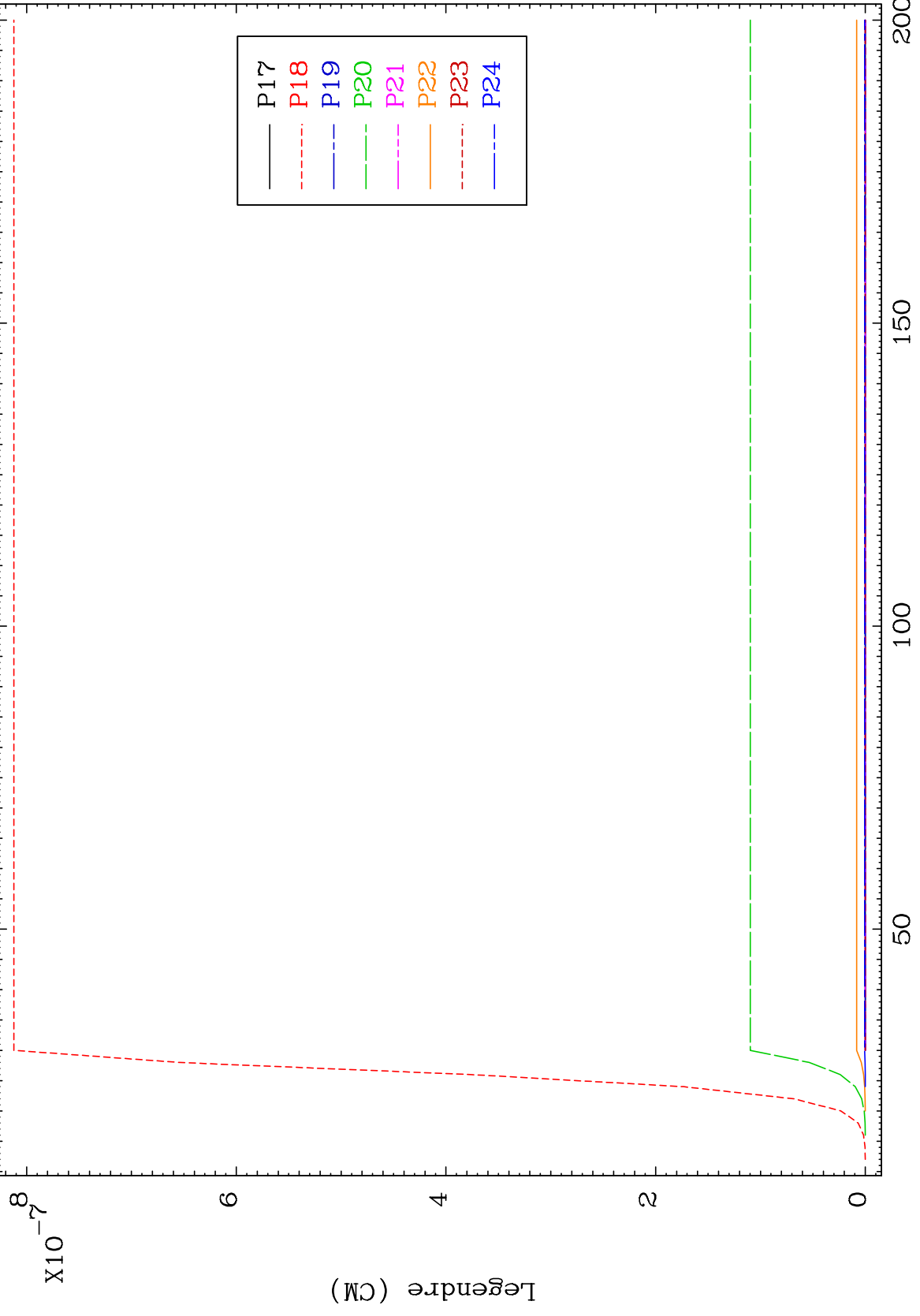


68

Incident Energy (MeV)

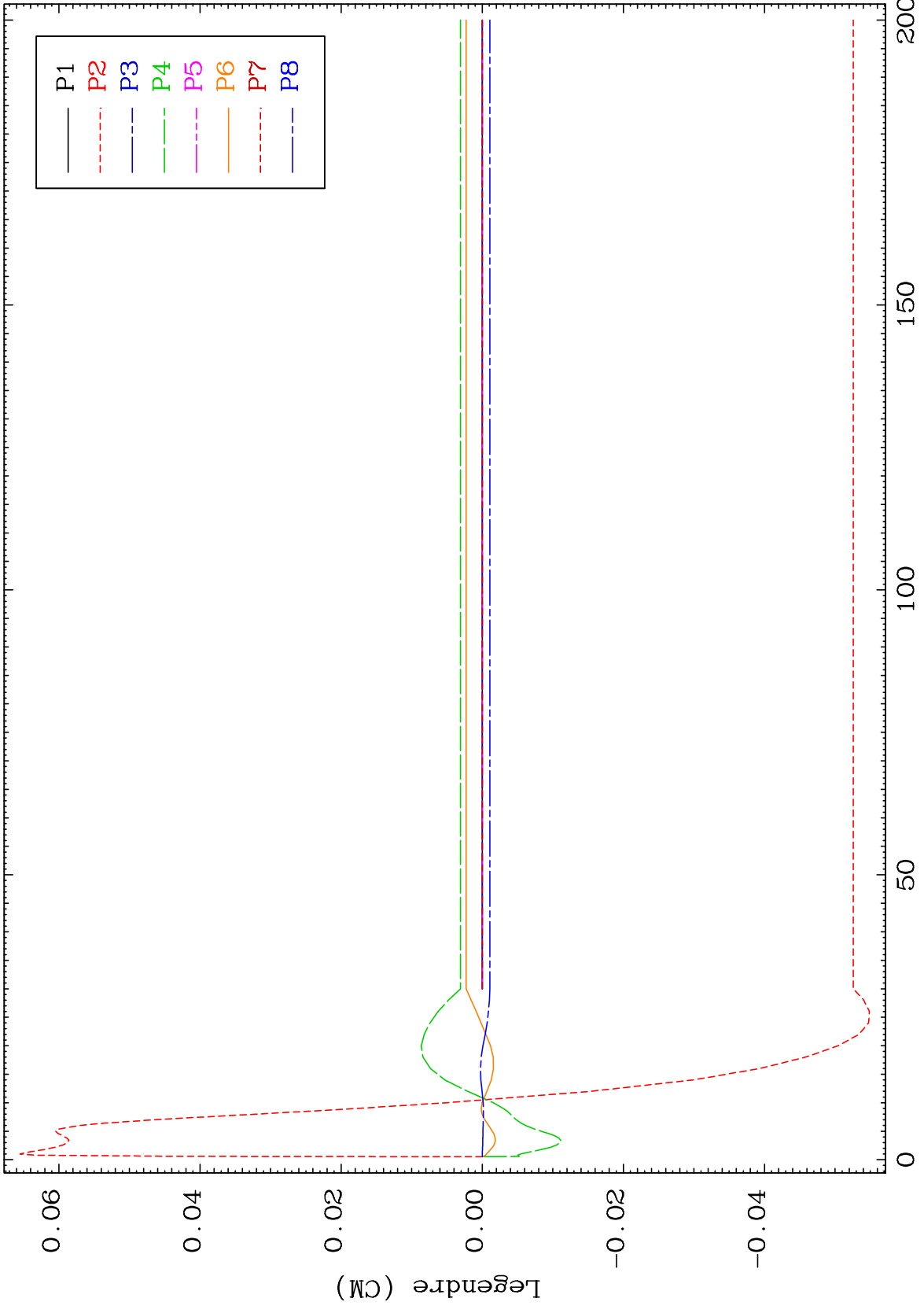
51-Sb-118

MAT 5116 MT= 64 (n,n') Level Legendre Coefficients 51-Sb-118



69 51-Sb-118

MAT 5116 MT= 65 (n,n') Level Legendre Coefficients 51-Sb-118

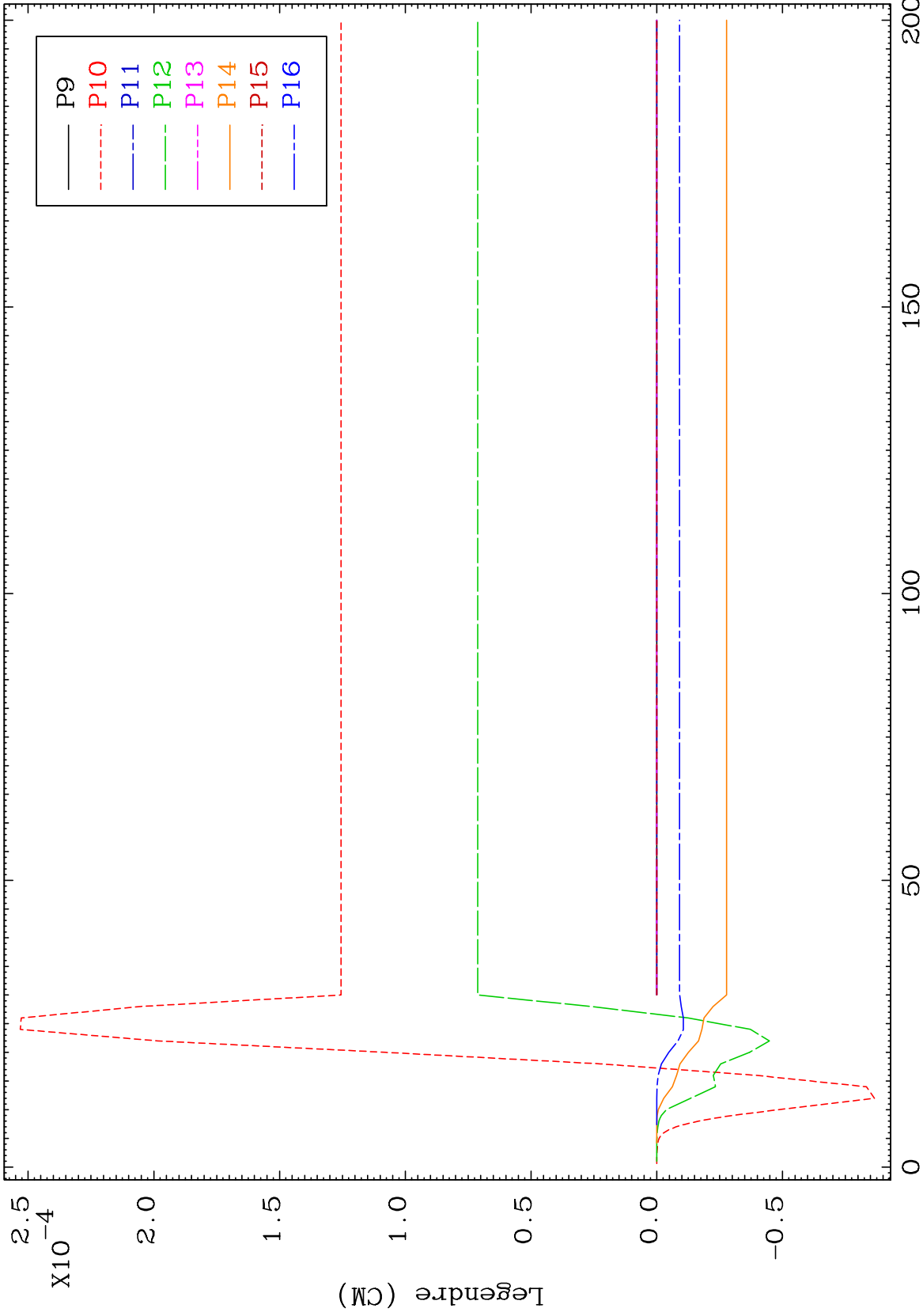


70 51-Sb-118

MAT 51116

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

51-Sb-118



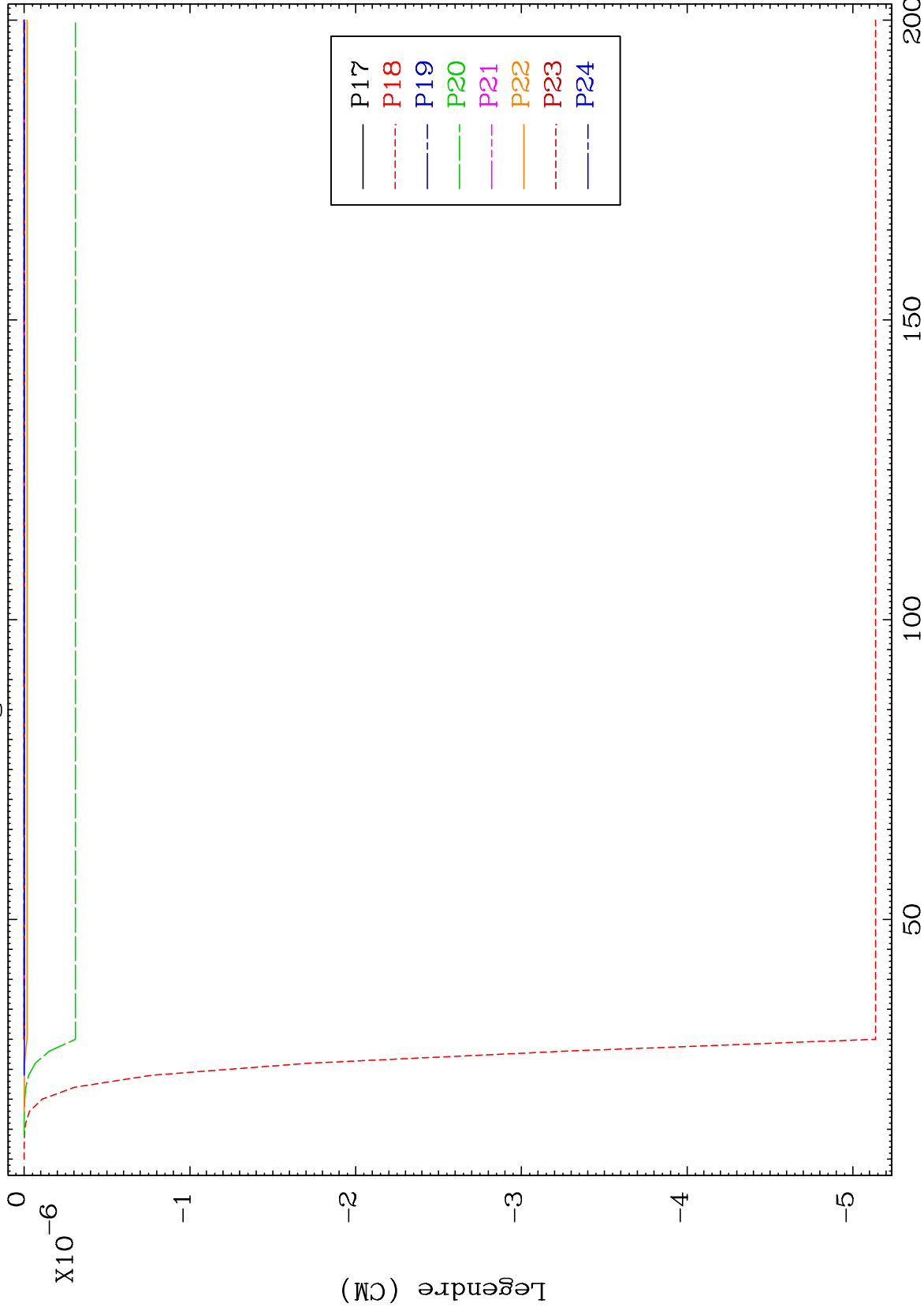
71

51-Sb-118

MAT 5116

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

51-Sb-118

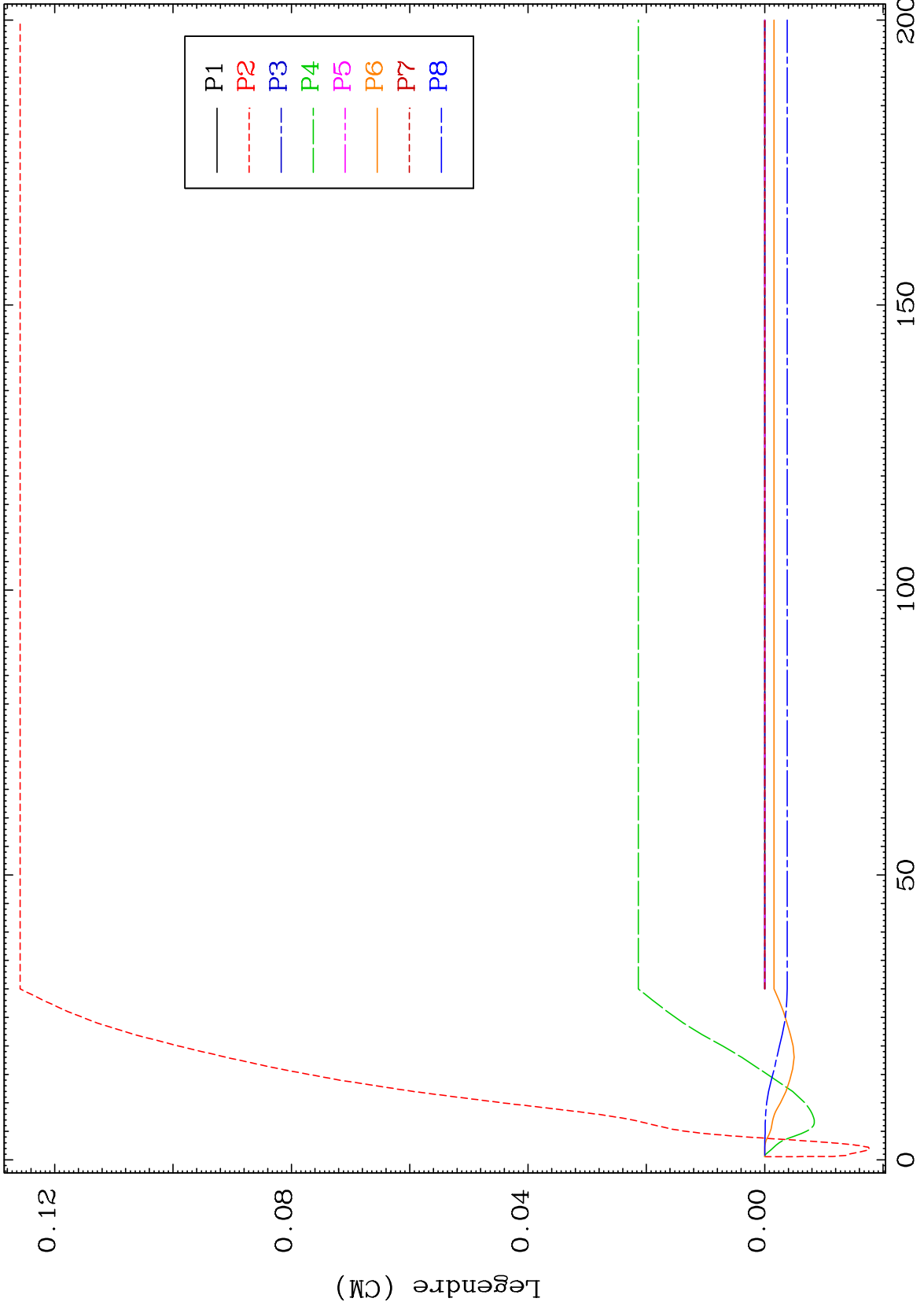


72

Incident Energy (MeV)

51-Sb-118

MAT 5116 MT= 66 (n,n') Level Legendre Coefficients 51-Sb-118

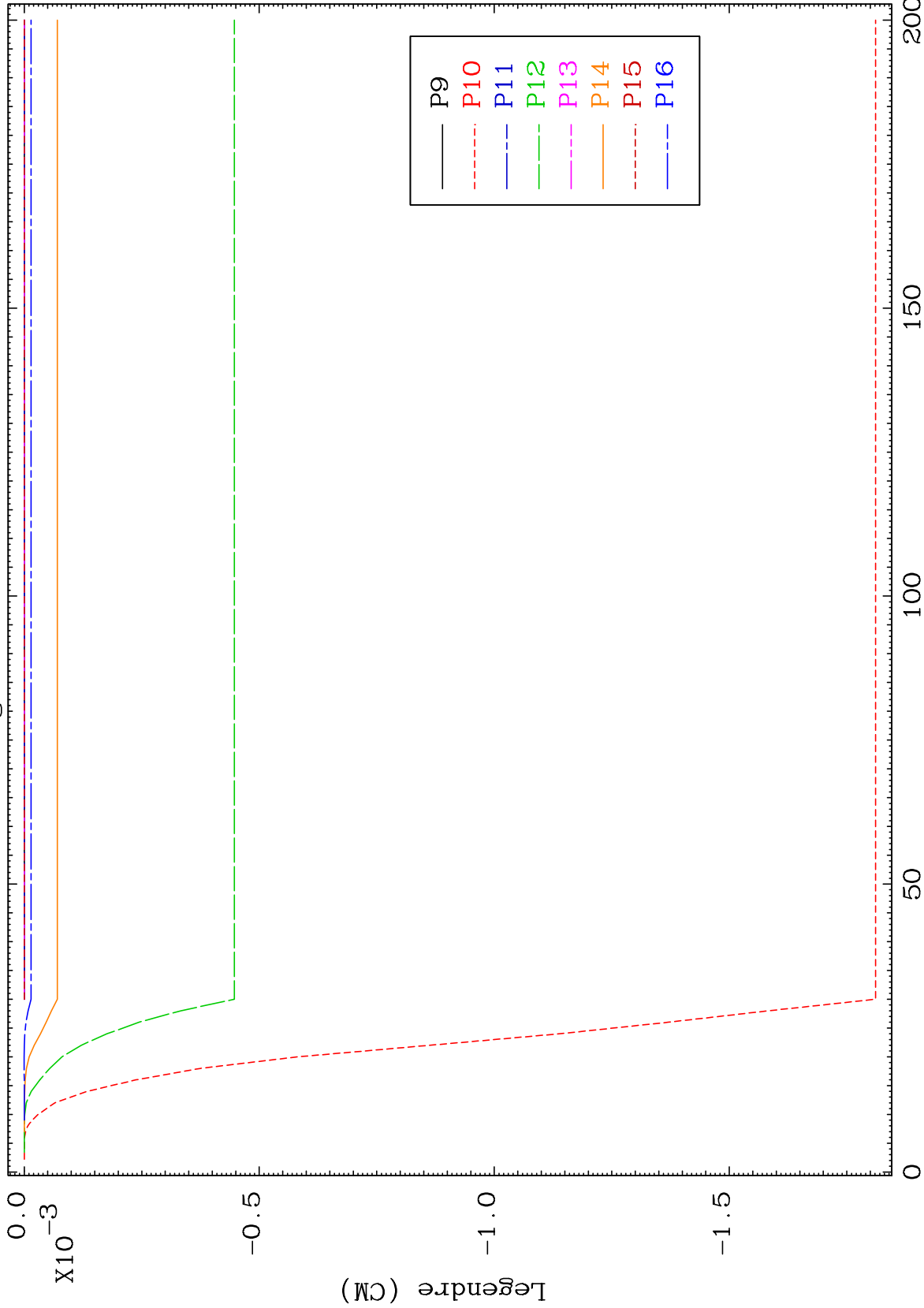


73 51-Sb-118

MAT 5116

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

51-Sb-118

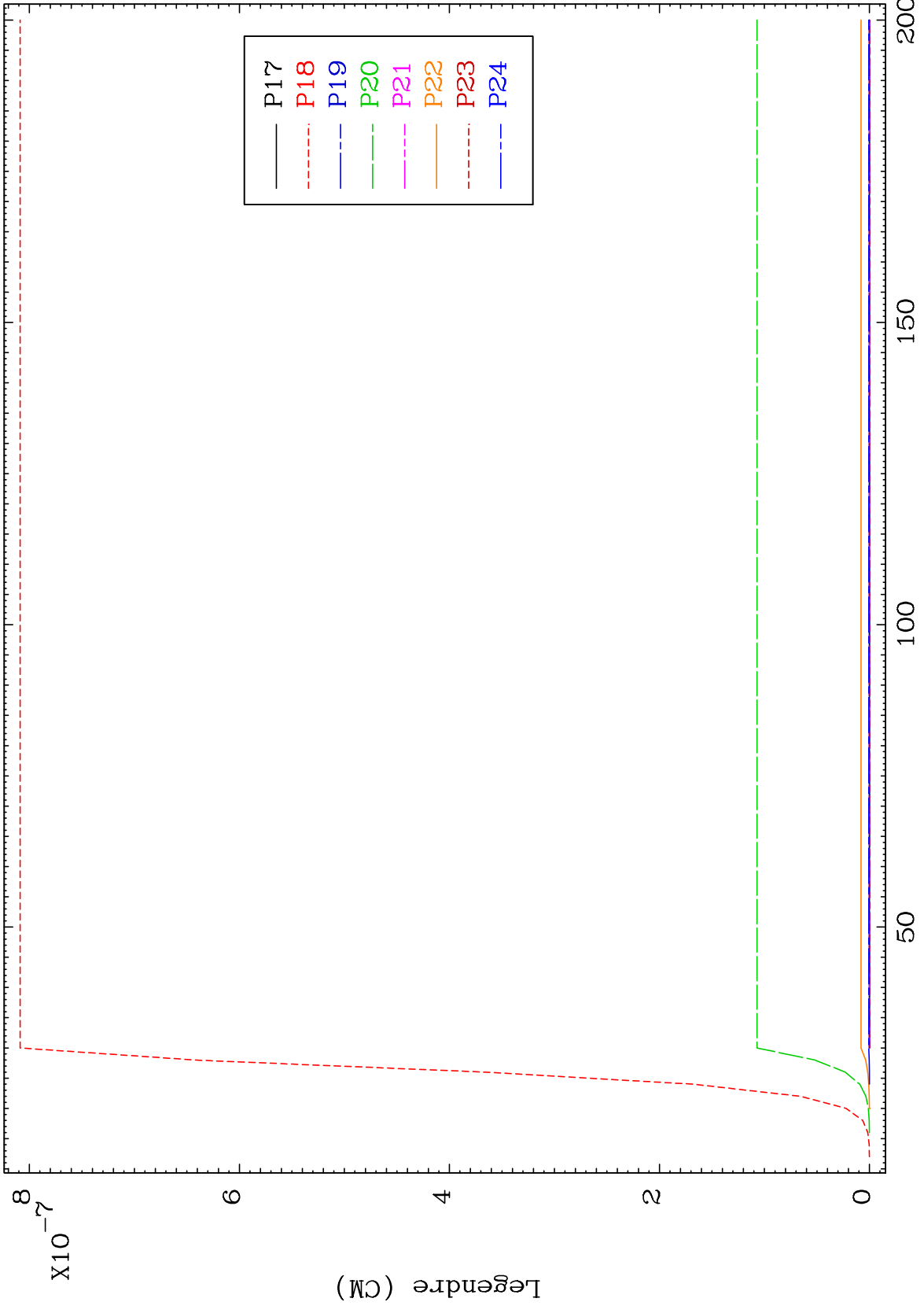


74

Incident Energy (MeV)

51-Sb-118

MAT 5116 MT= 66 (n,n') Level Legendre Coefficients 51-Sb-118

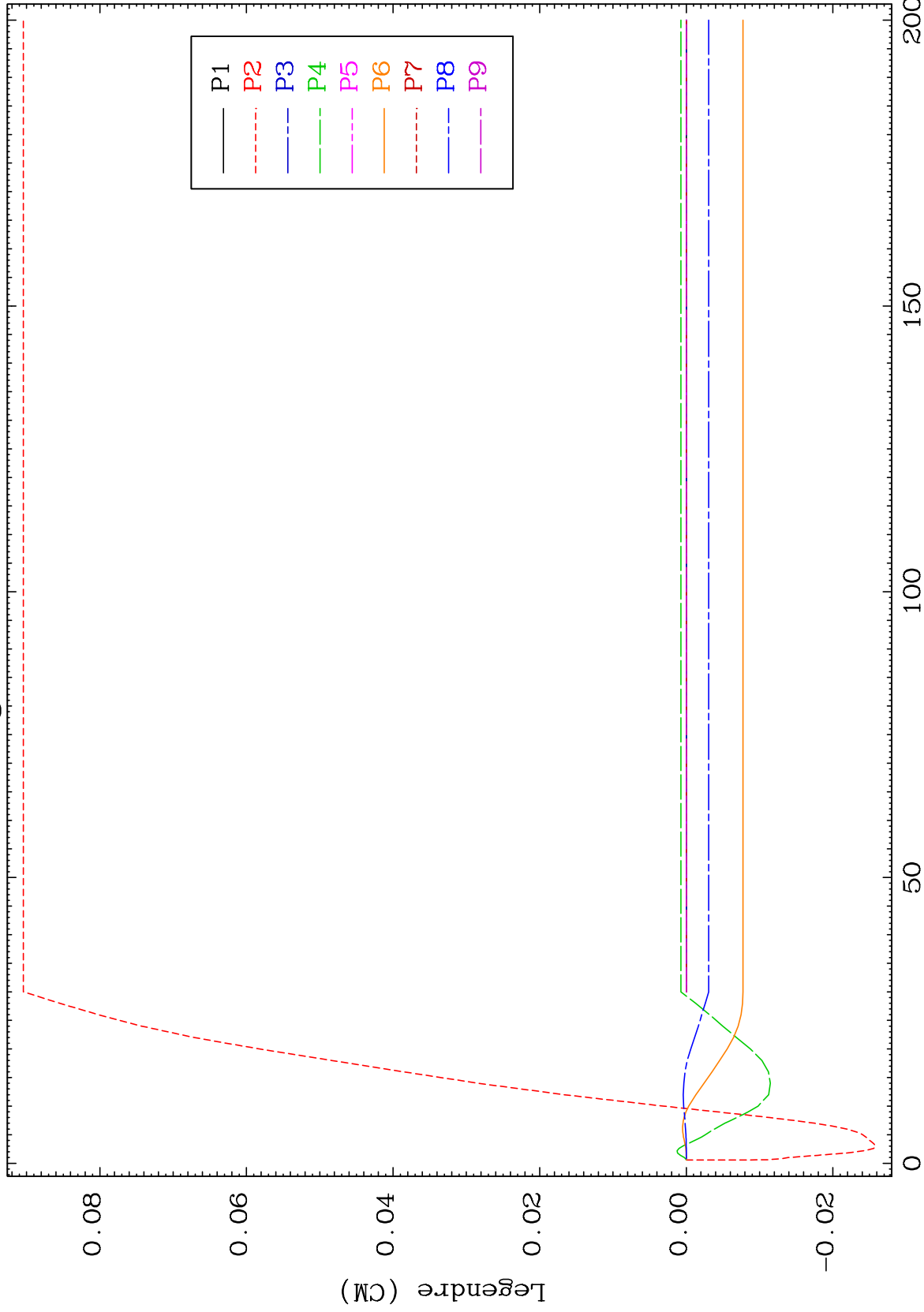


75 50 100 150 200 51-Sb-118

MAT 5116

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

51-Sb-118



76

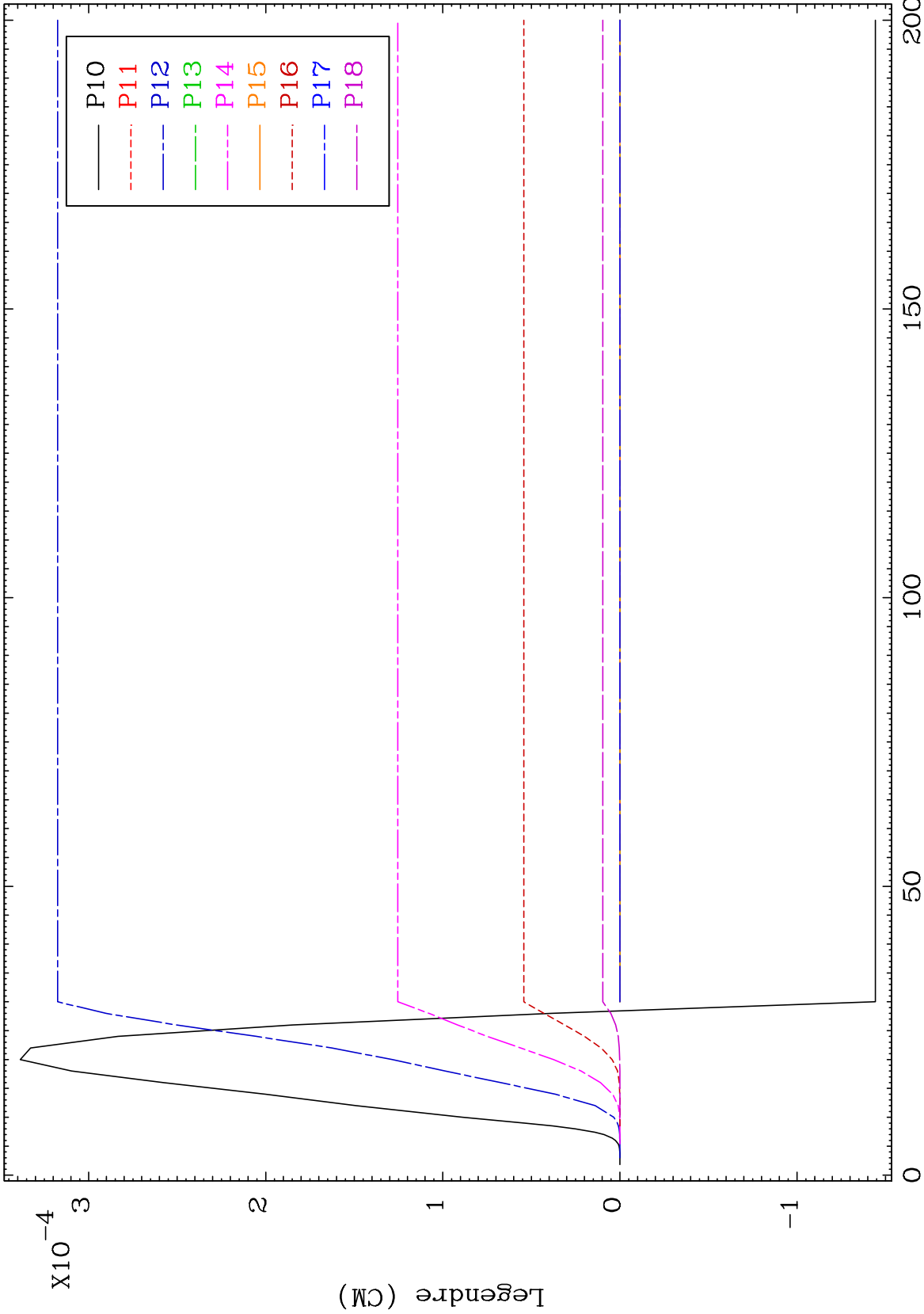
51-Sb-118

51-Sb-118

MAT 5116

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

51-Sb-118



77

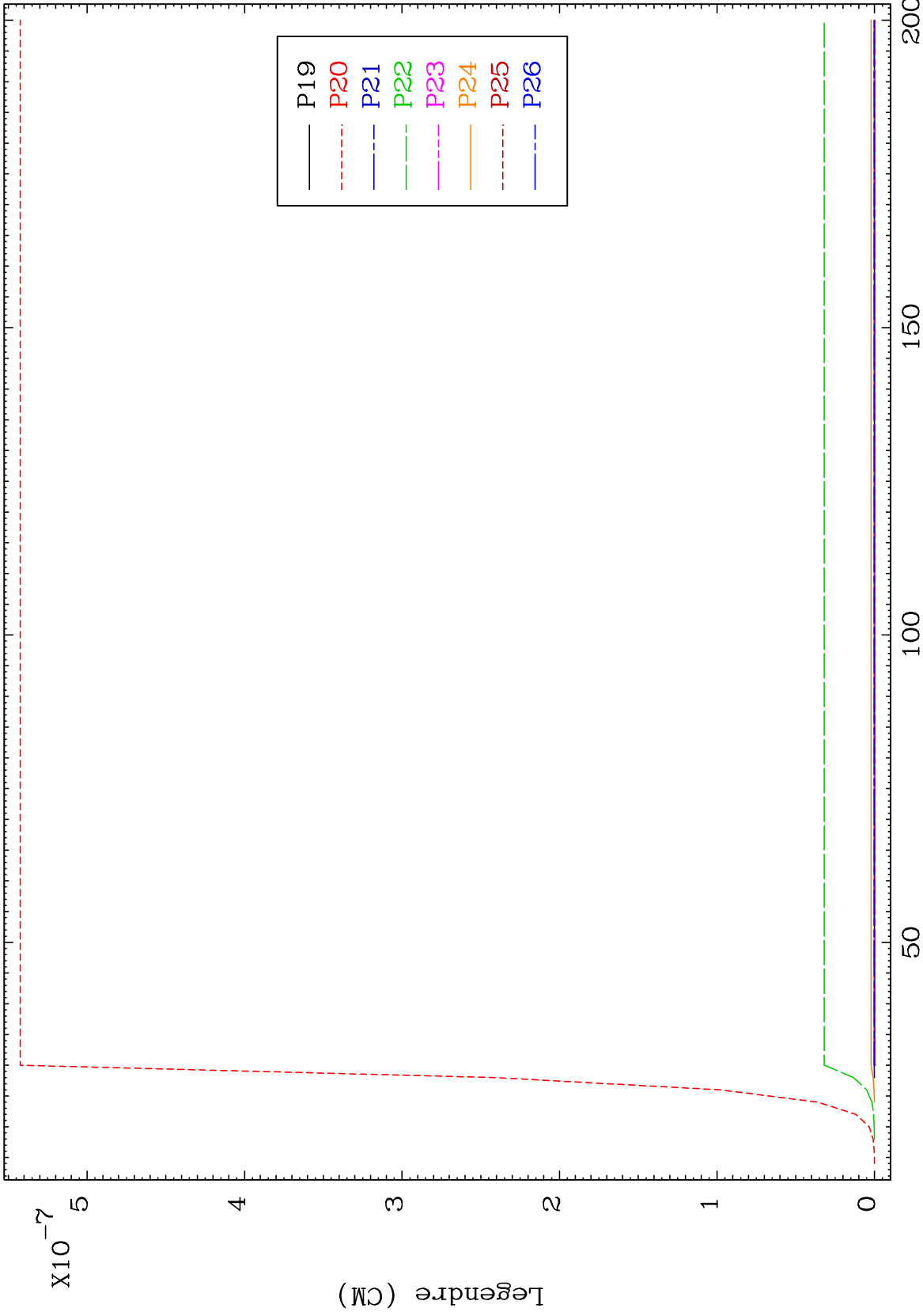
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



78

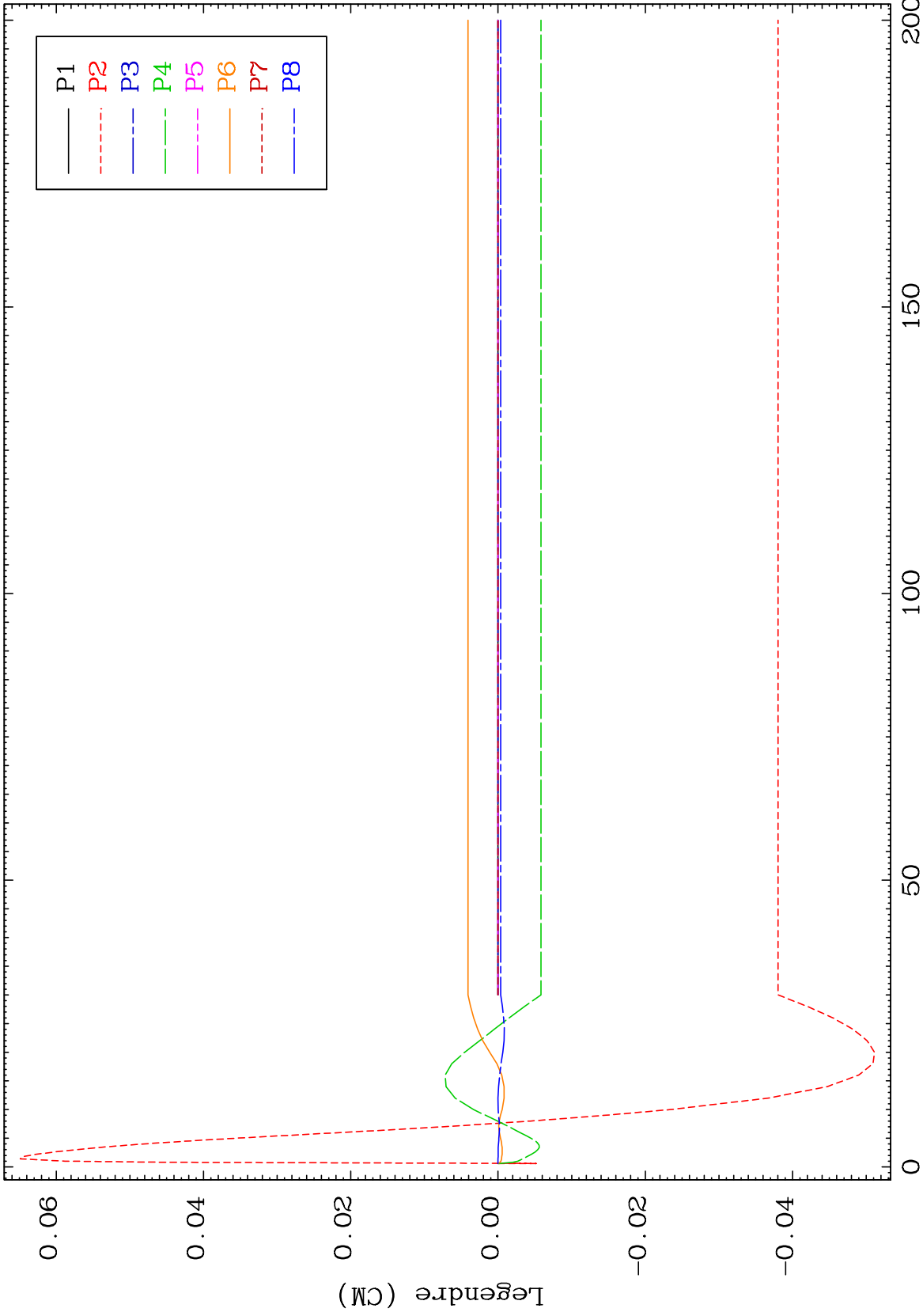
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



79

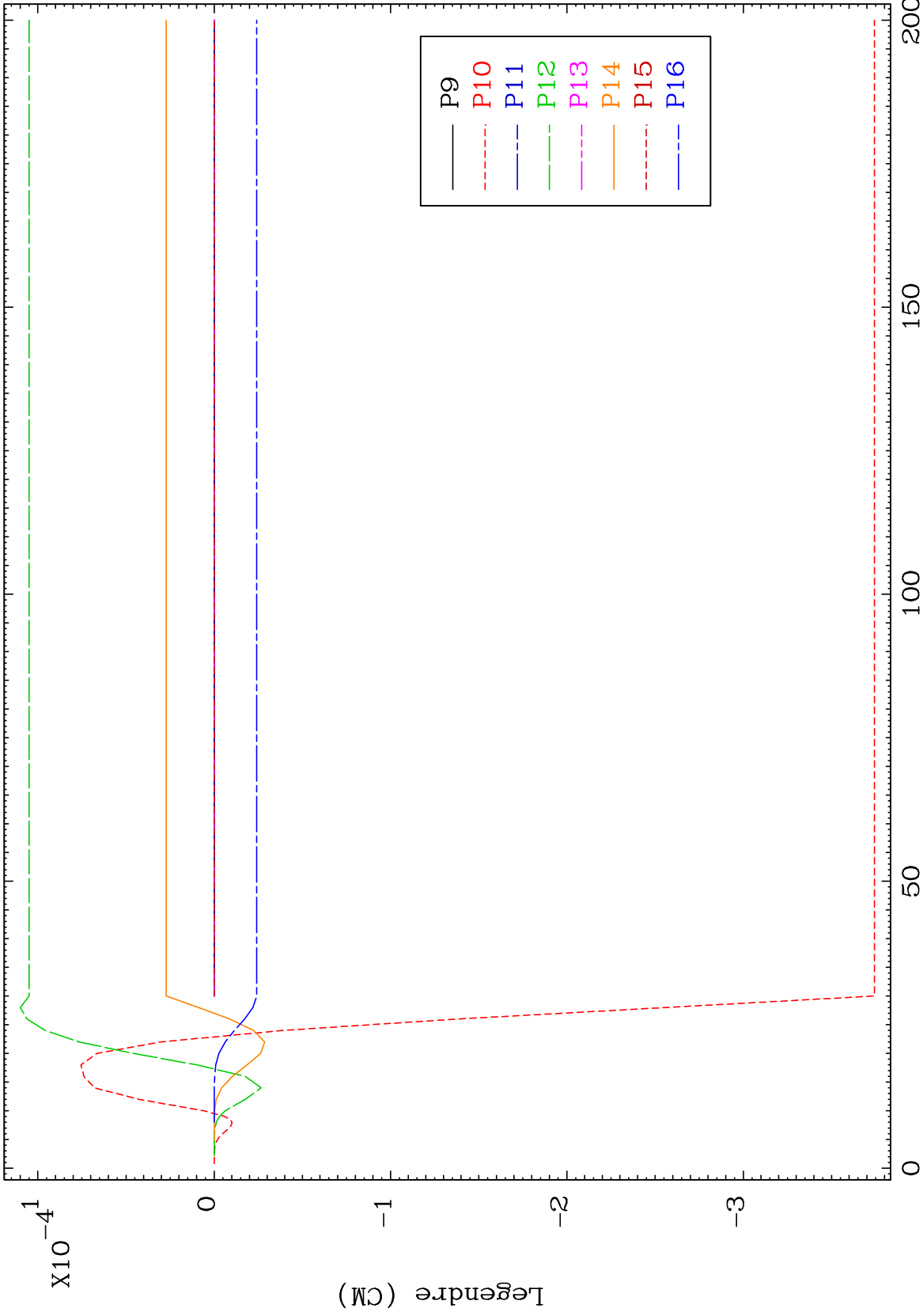
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



80

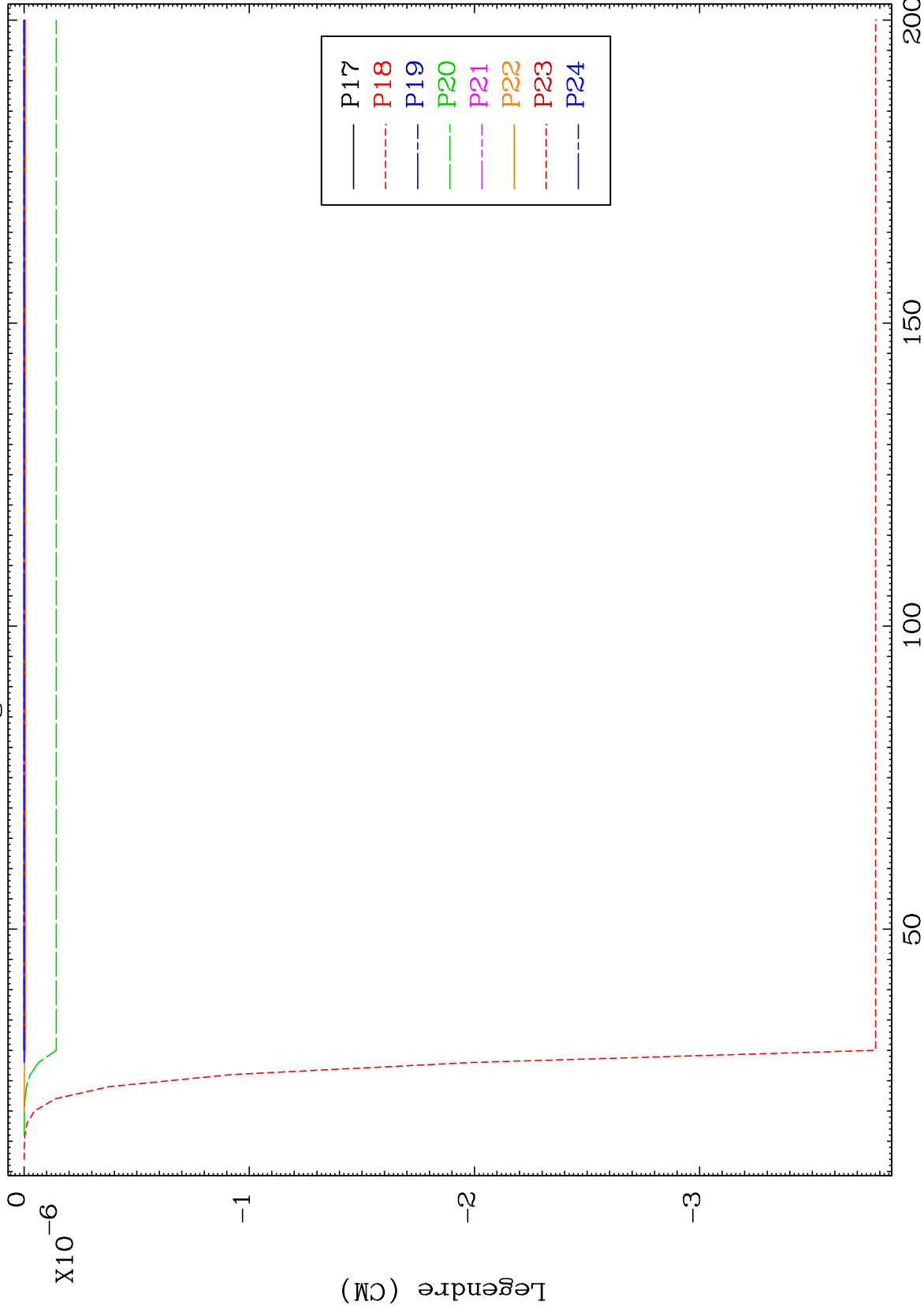
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



51-Sb-118

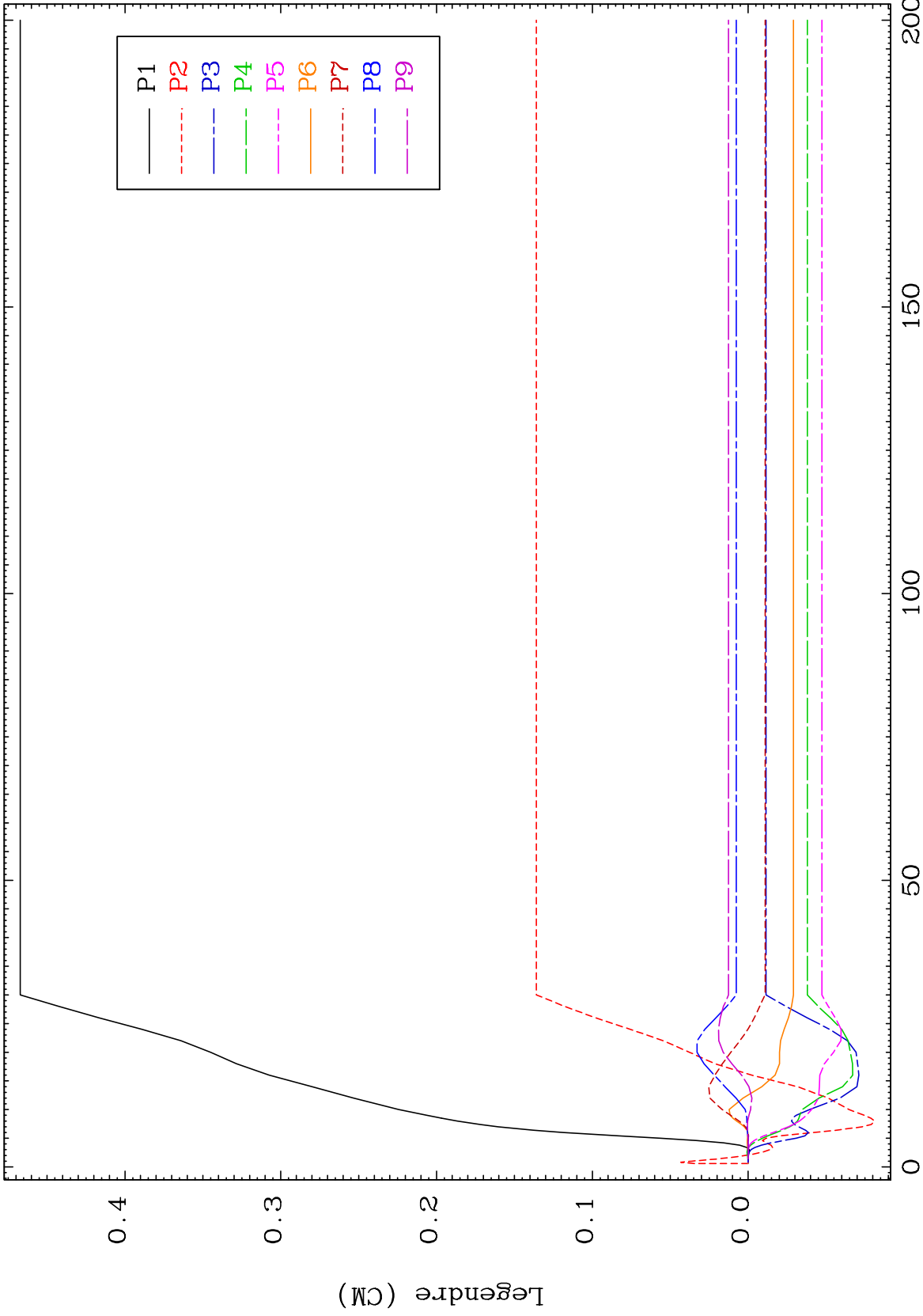
Incident Energy (MeV)

81

MAT 5116

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

51-Sb-118



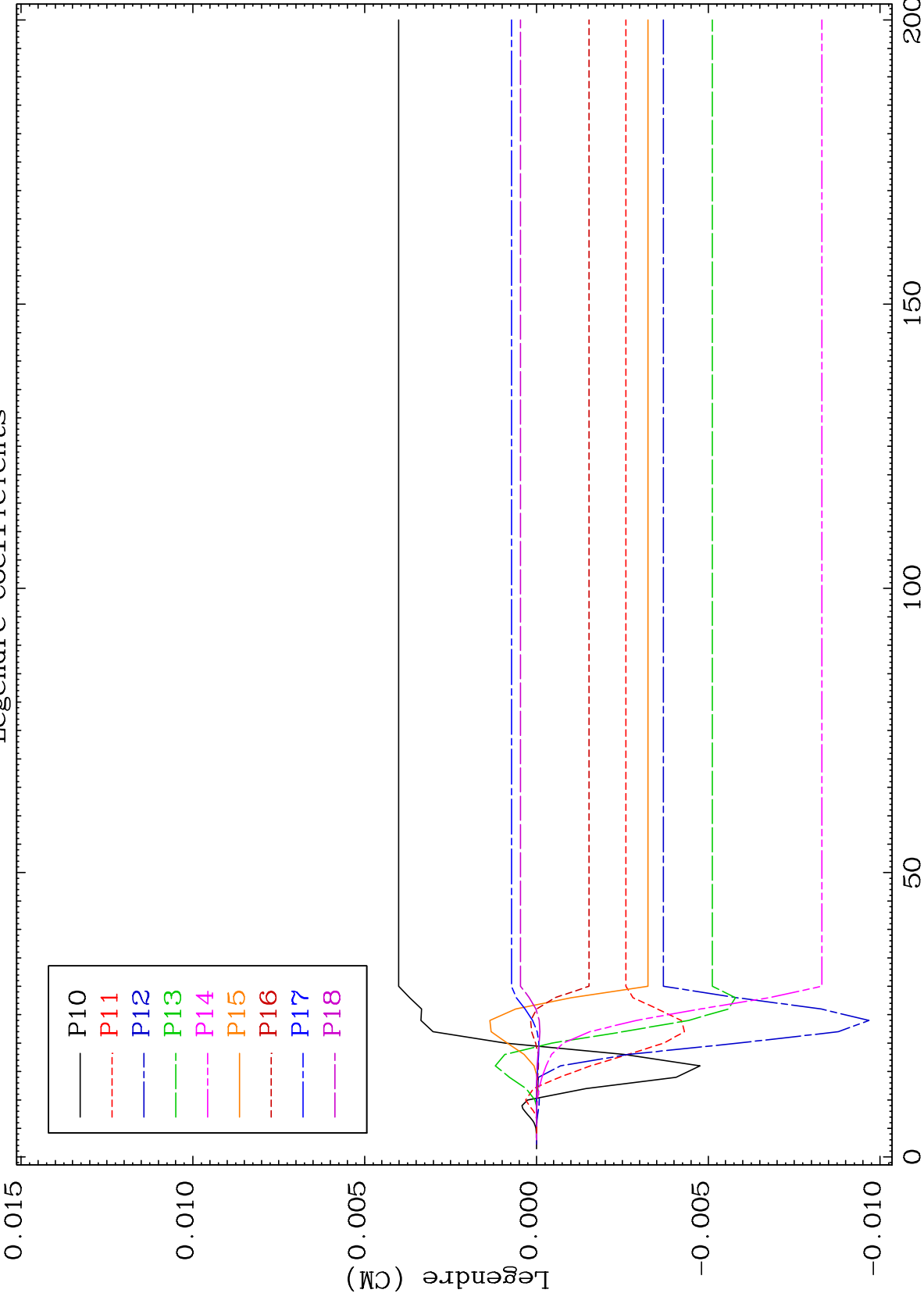
82

51-Sb-118

MAT 5116

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

51-Sb-118



83

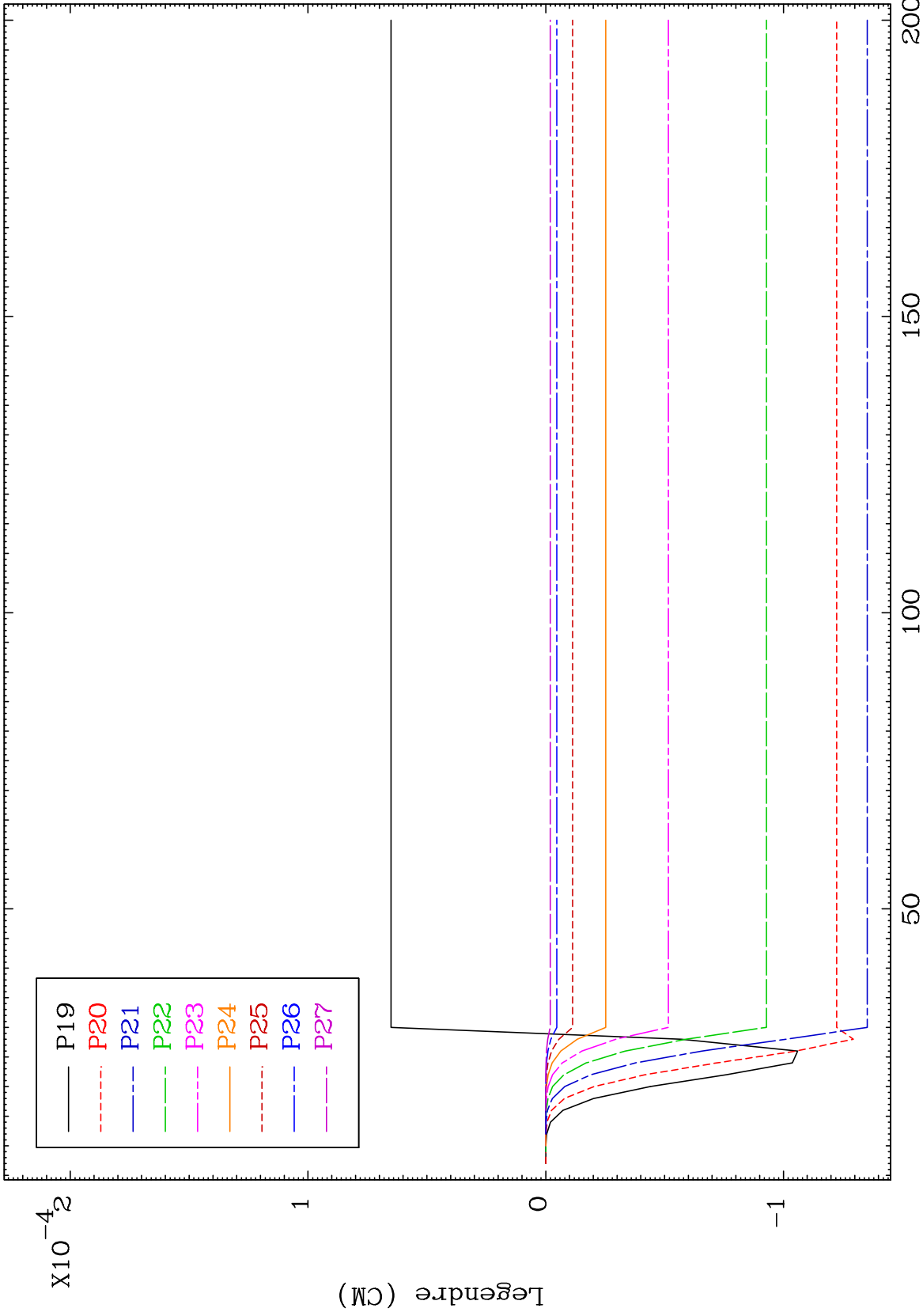
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



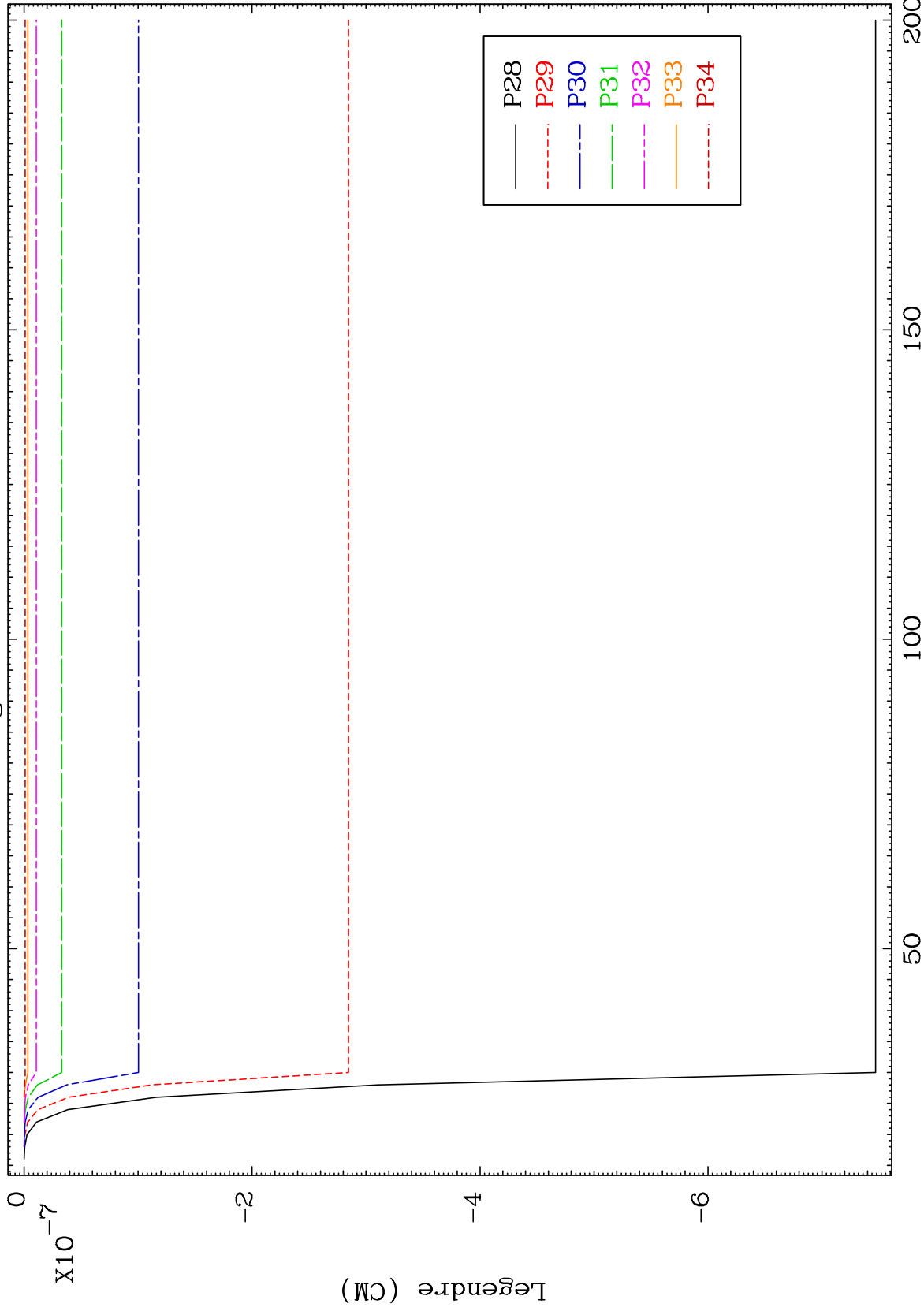
84

51-Sb-118

MAT 5116

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

51-Sb-118



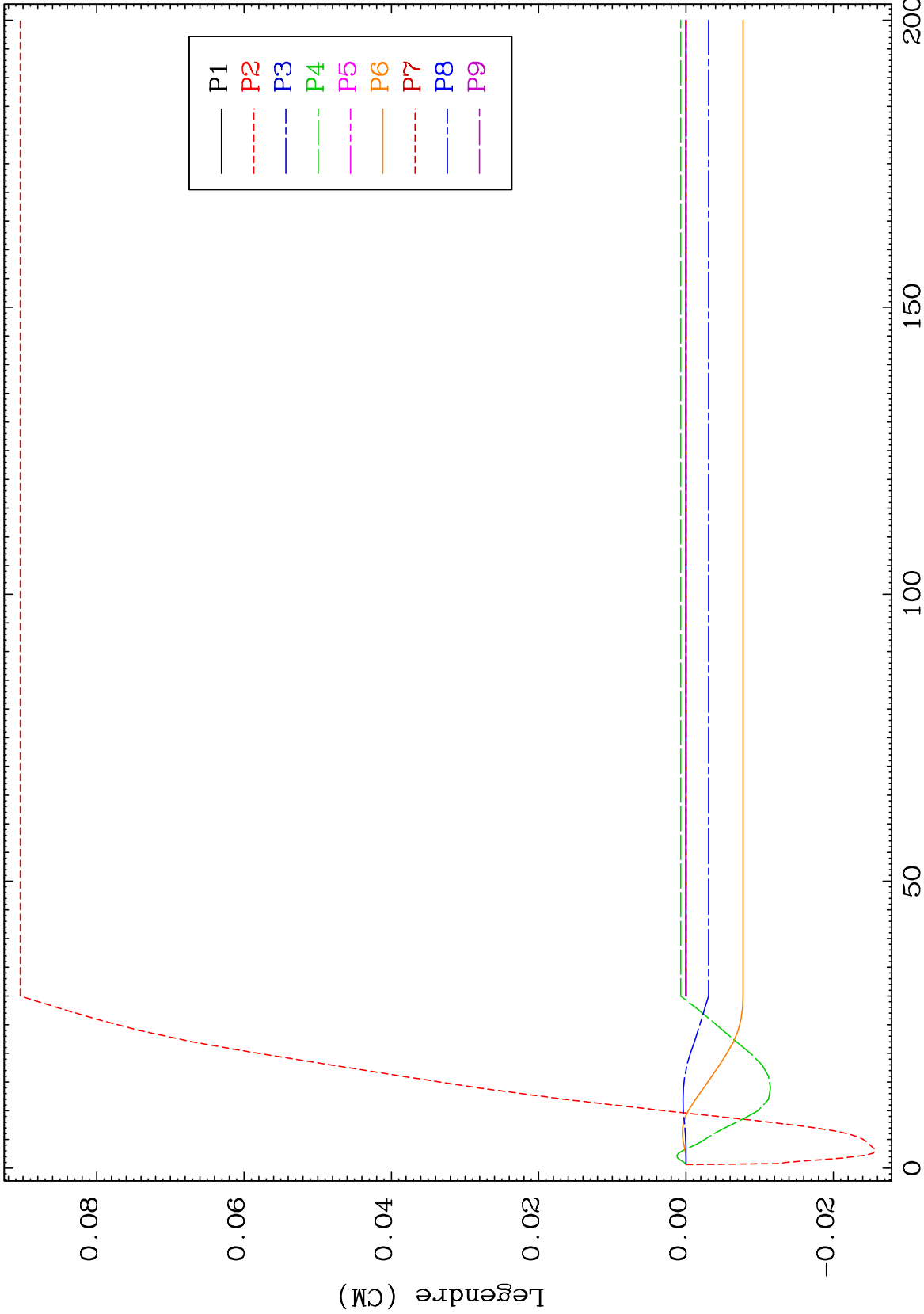
85

51-Sb-118

MAT 5116

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

51-Sb-118



86

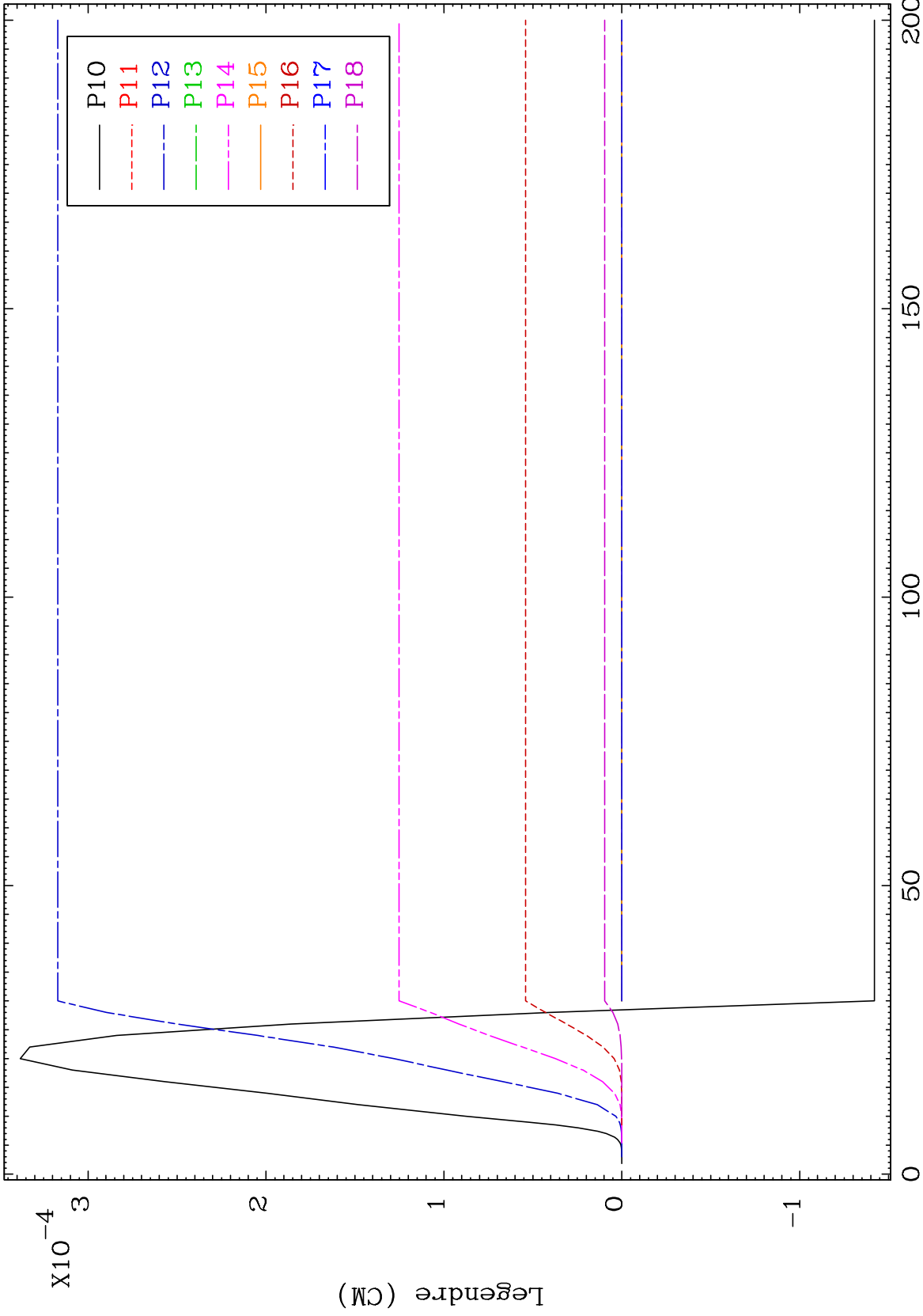
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118

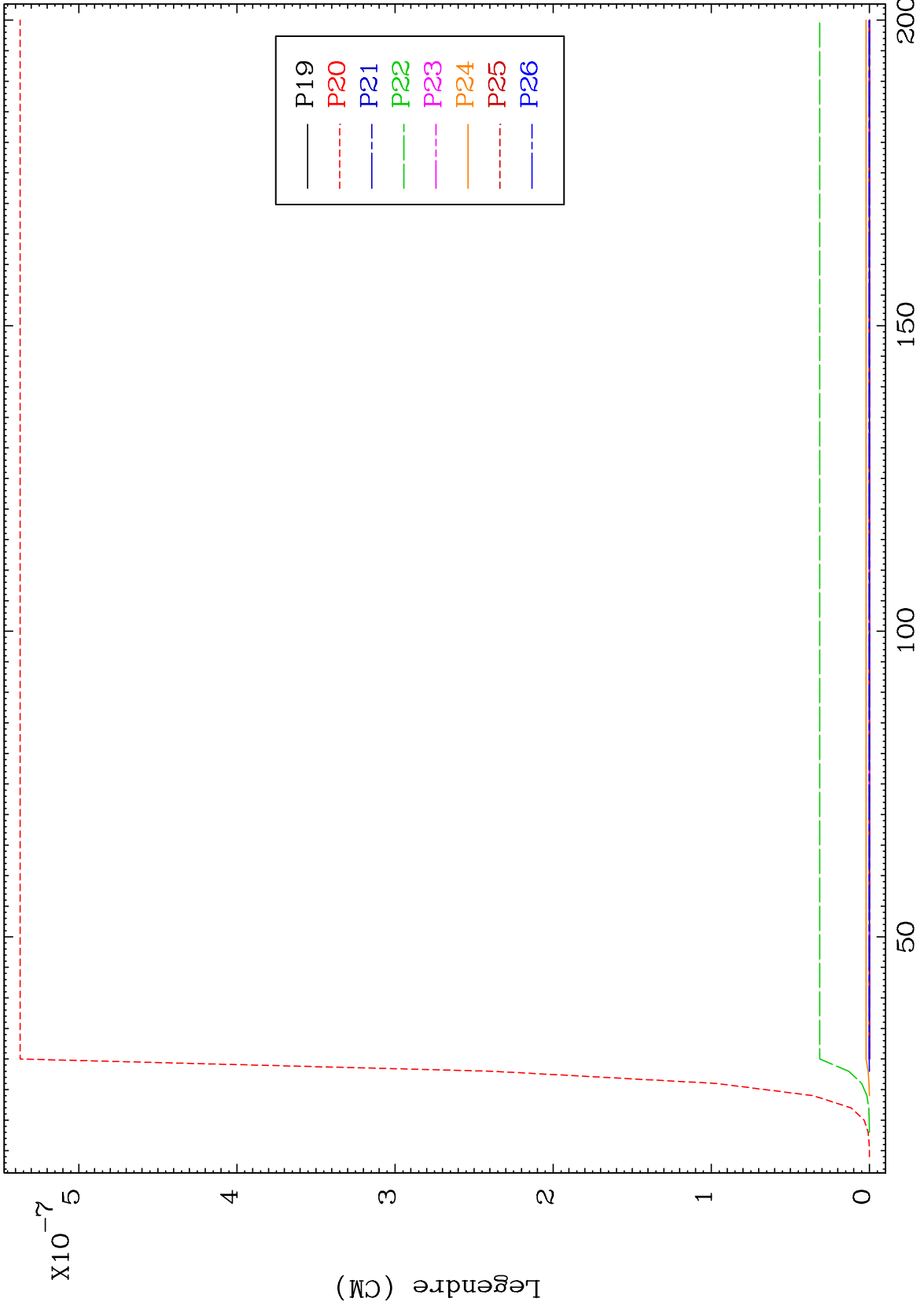


87

Incident Energy (MeV)

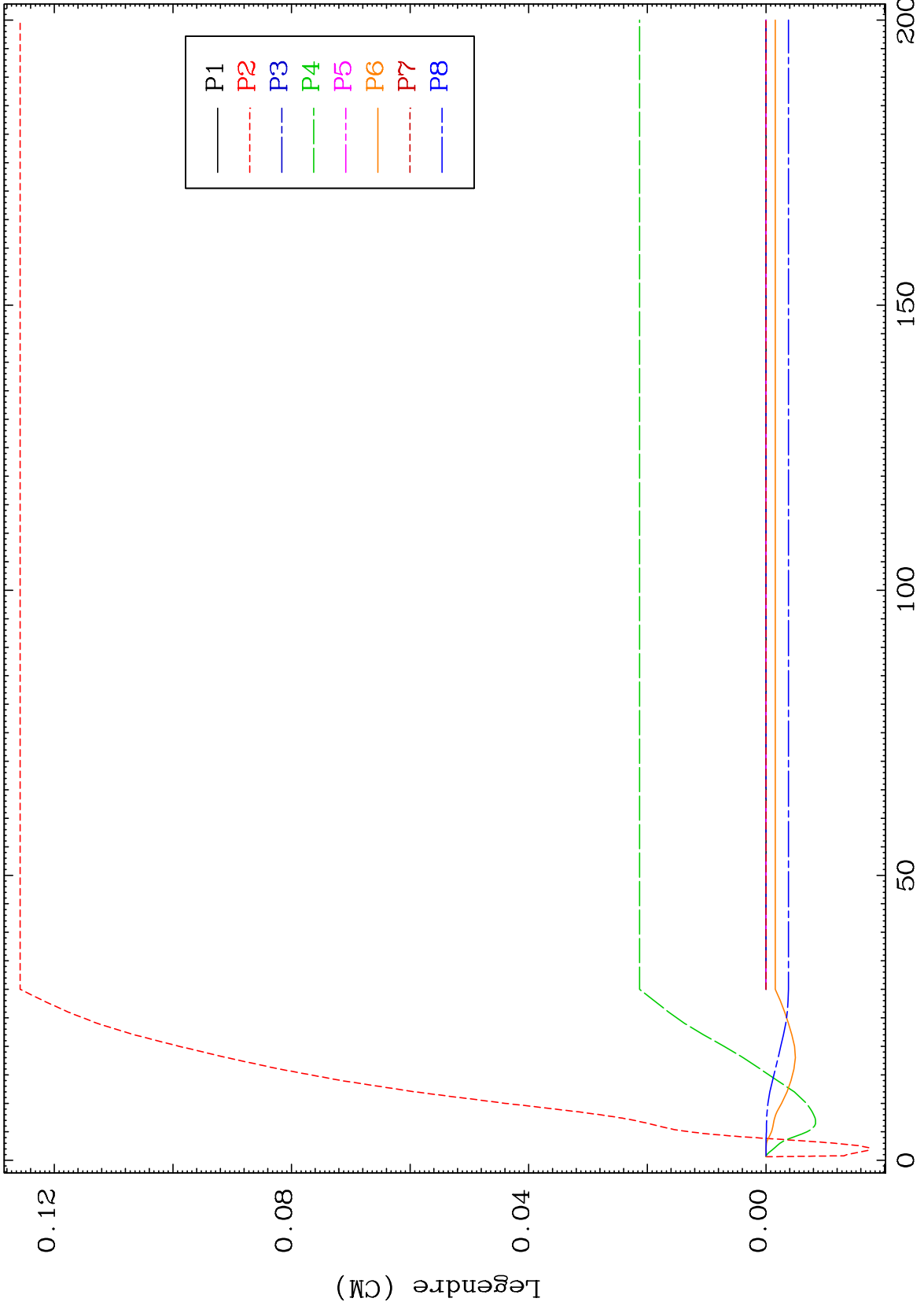
51-Sb-118

MAT 5116 MT= 70 (n,n') Level Legendre Coefficients 51-Sb-118



88 51-Sb-118

MAT 5116 MT= 71 (n,n') Level Legendre Coefficients 51-Sb-118

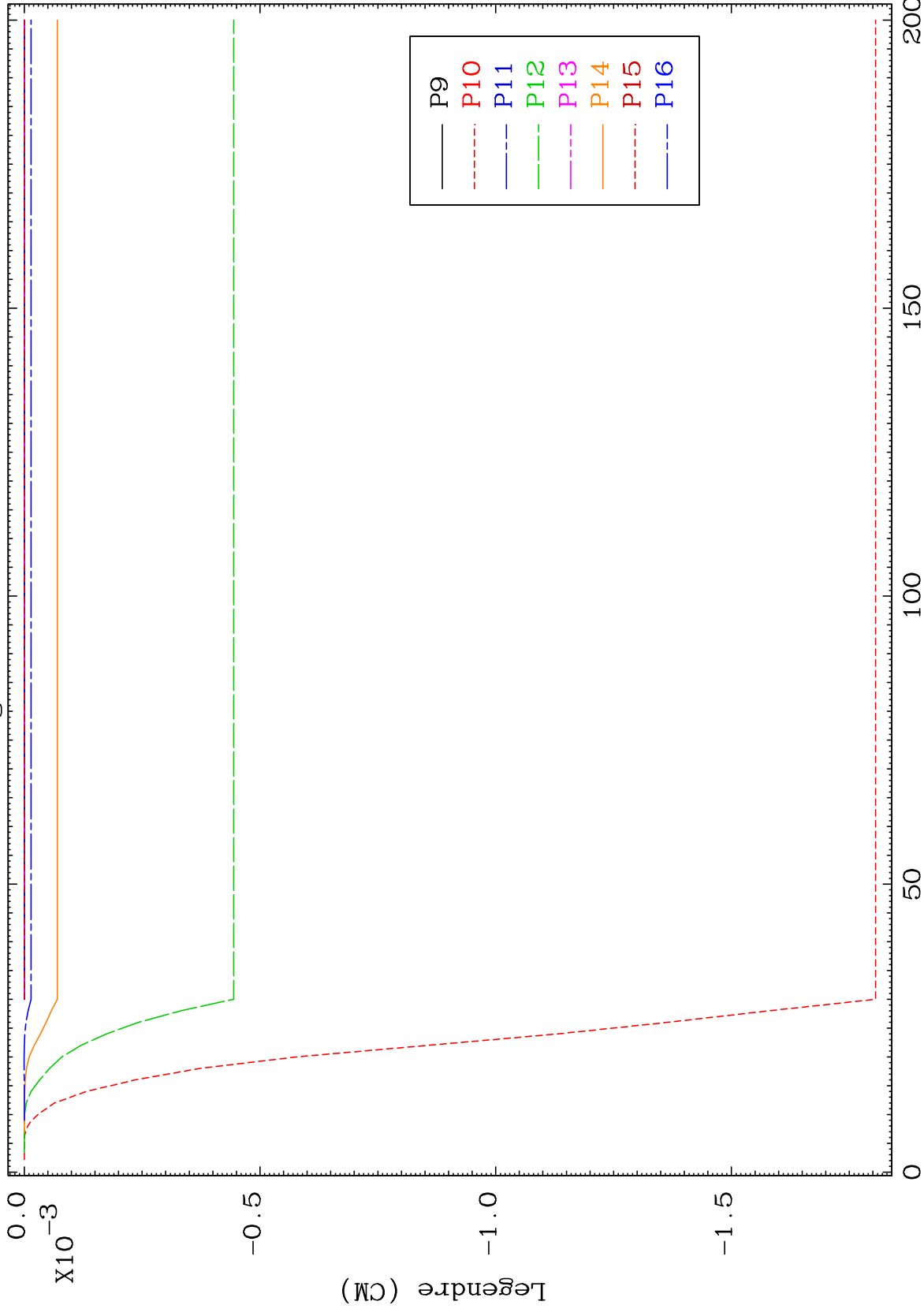


89 51-Sb-118

MAT 5116

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

51-Sb-118



51-Sb-118

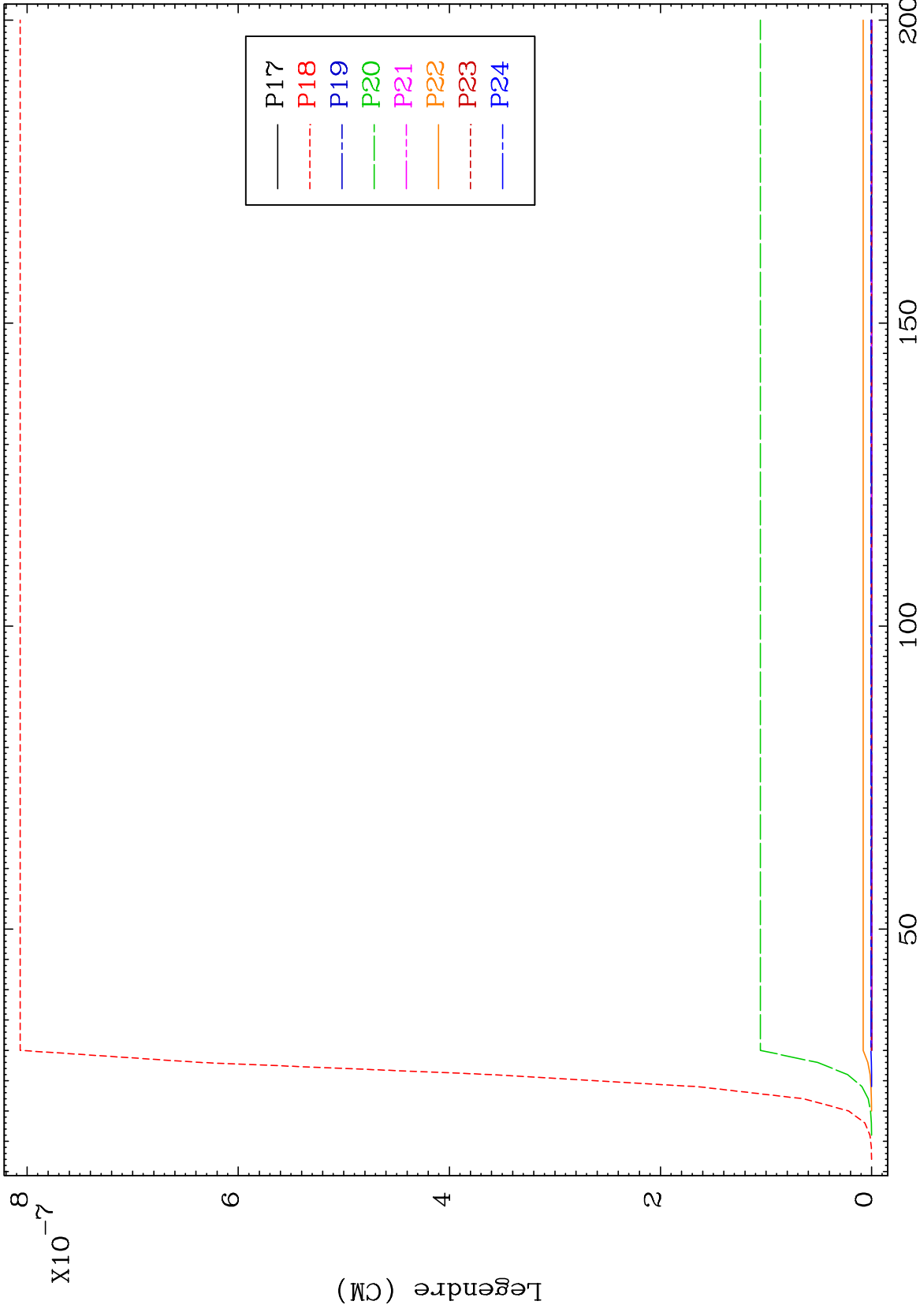
Incident Energy (MeV)

90

MAT 5116

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

51-Sb-118



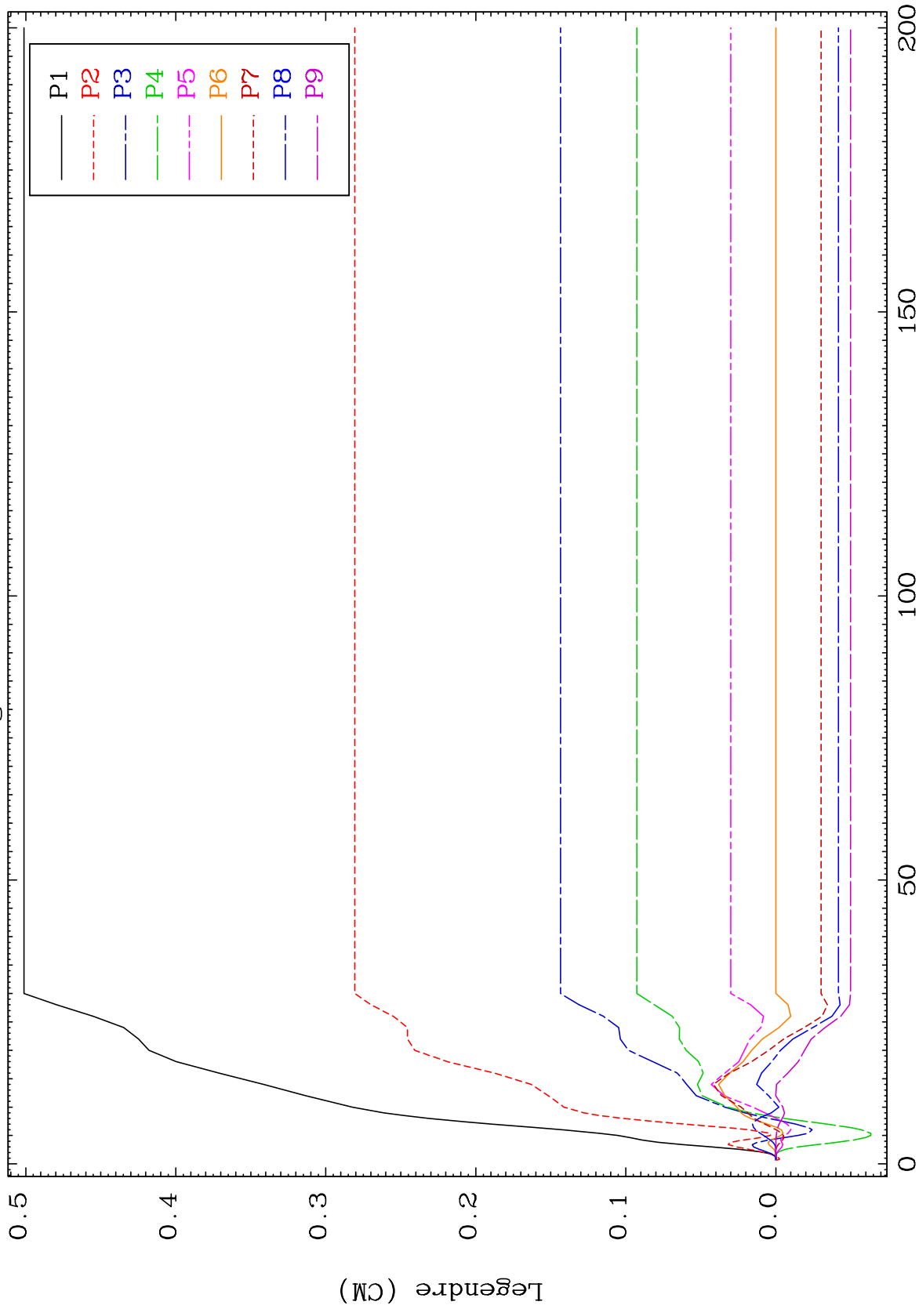
91

51-Sb-118

MAT 51116

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

51-Sb-118



92

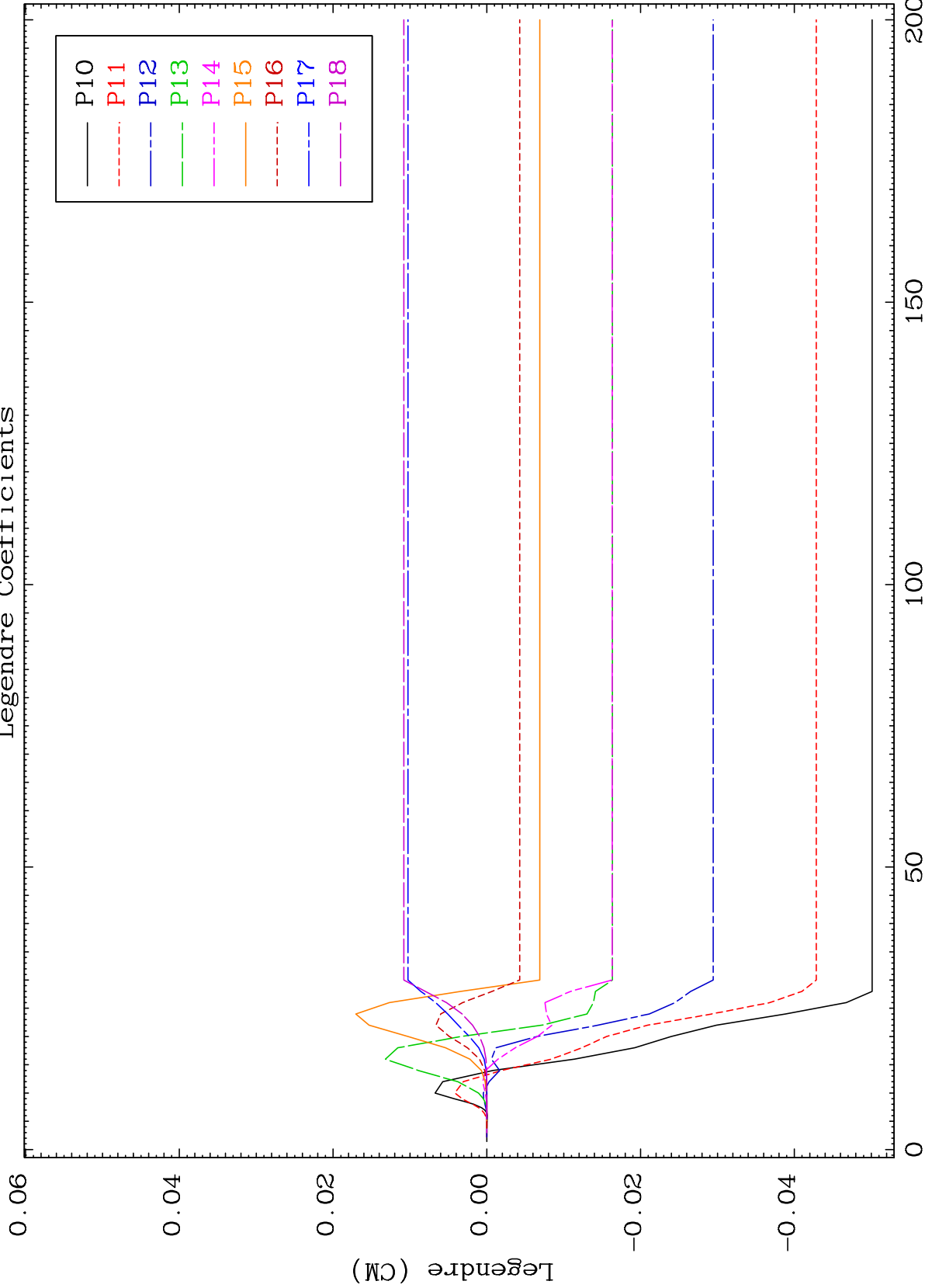
Incident Energy (MeV)

51-Sb-118

MAT 5116 MT= 72 (n,n') Level Legendre Coefficients

51-Sb-118

51-Sb-118

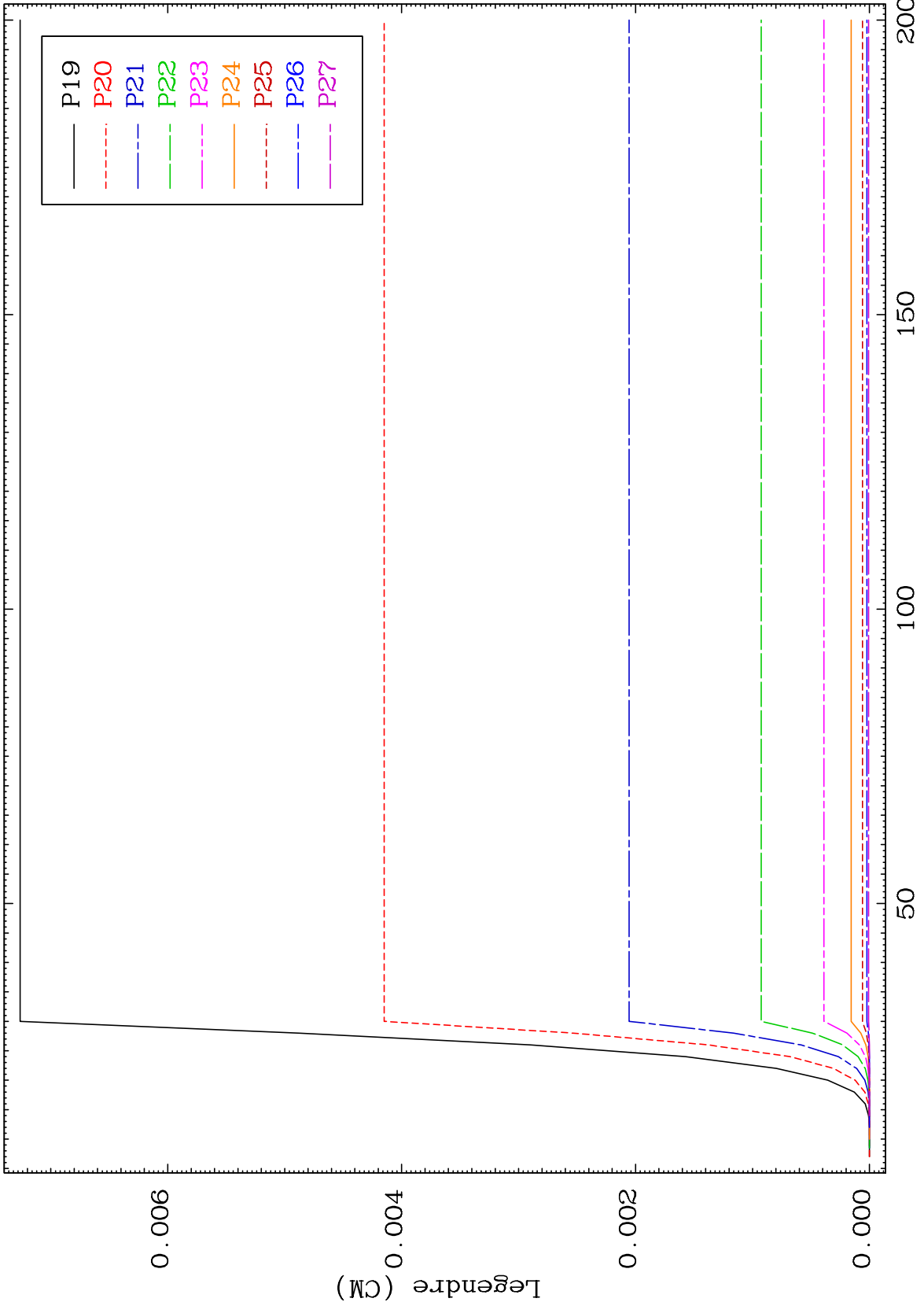


93

MAT 5116

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

51-Sb-118



94

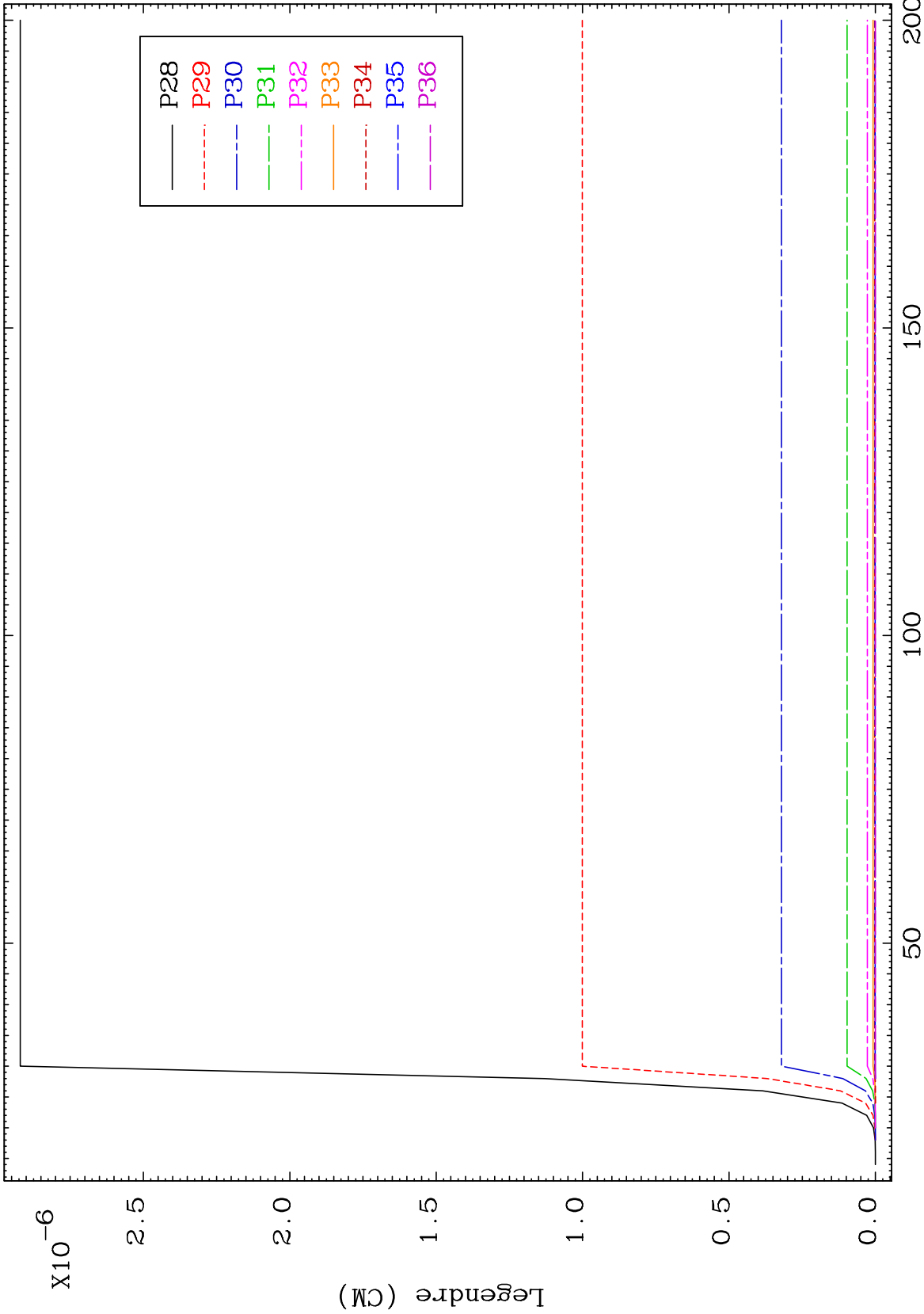
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118

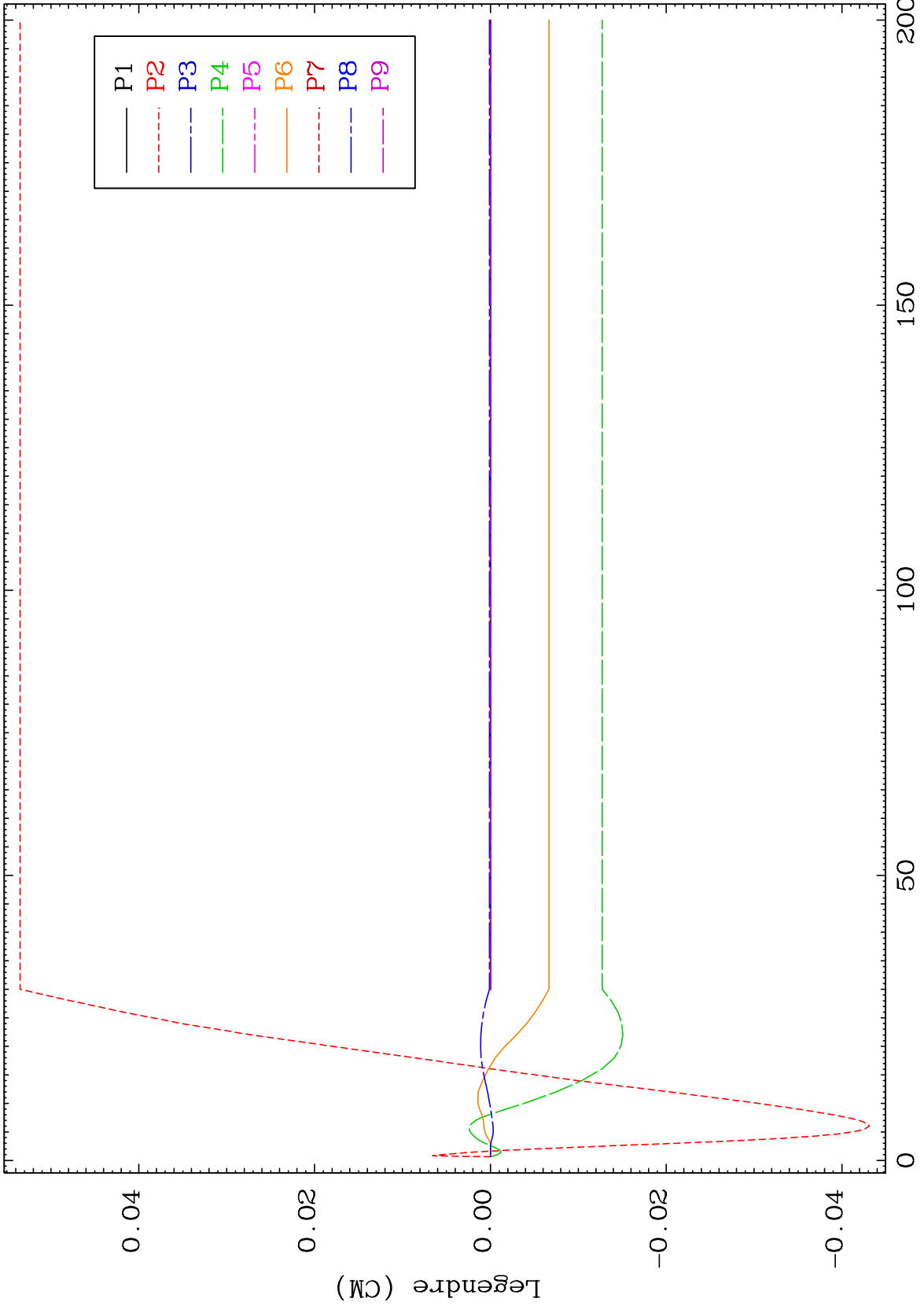


95

Incident Energy (MeV)

51-Sb-118

MAT 5116 MT= 73 (n,n') Level Legendre Coefficients 51-Sb-118

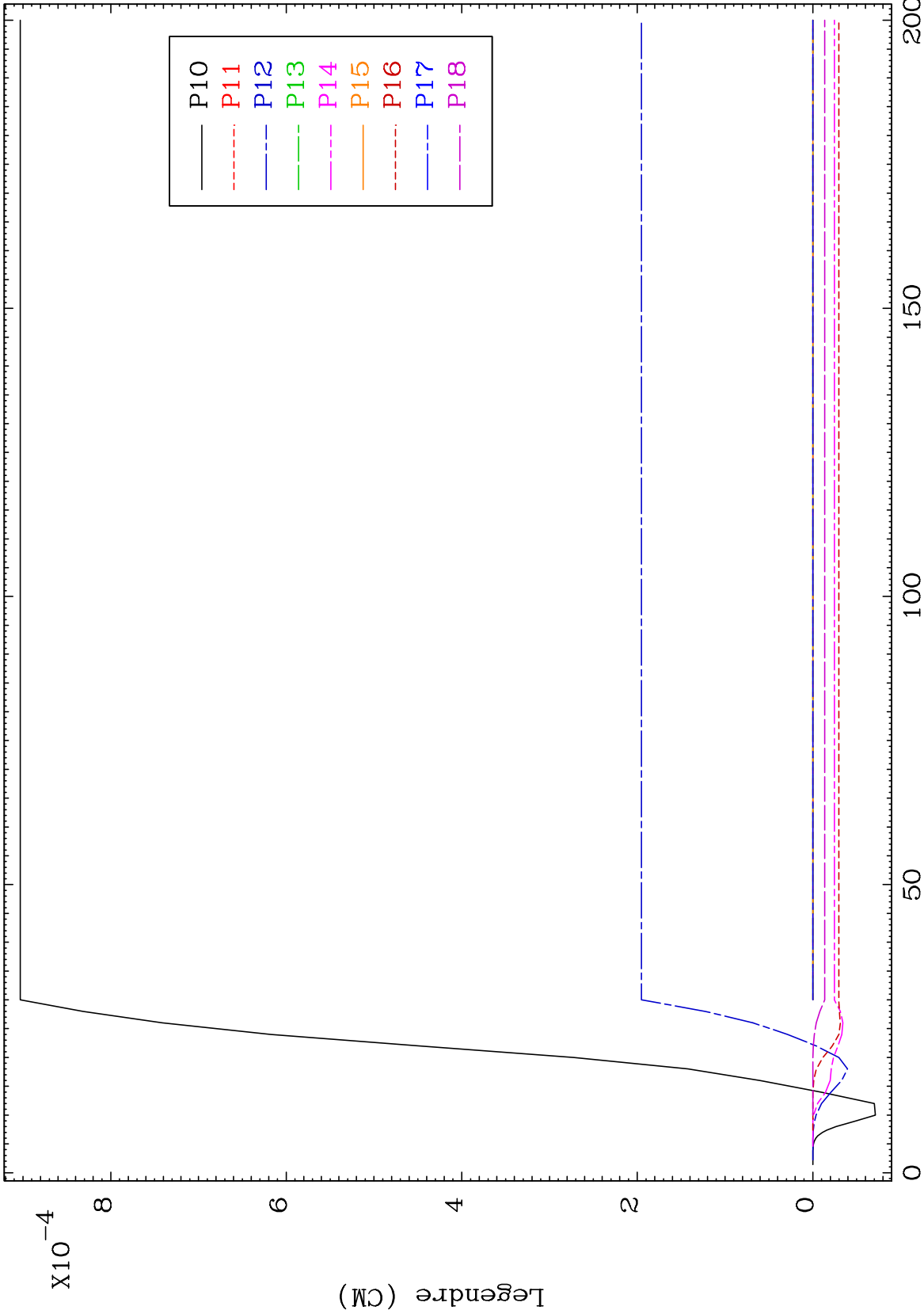


96 51-Sb-118

MAT 5116

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

51-Sb-118



97

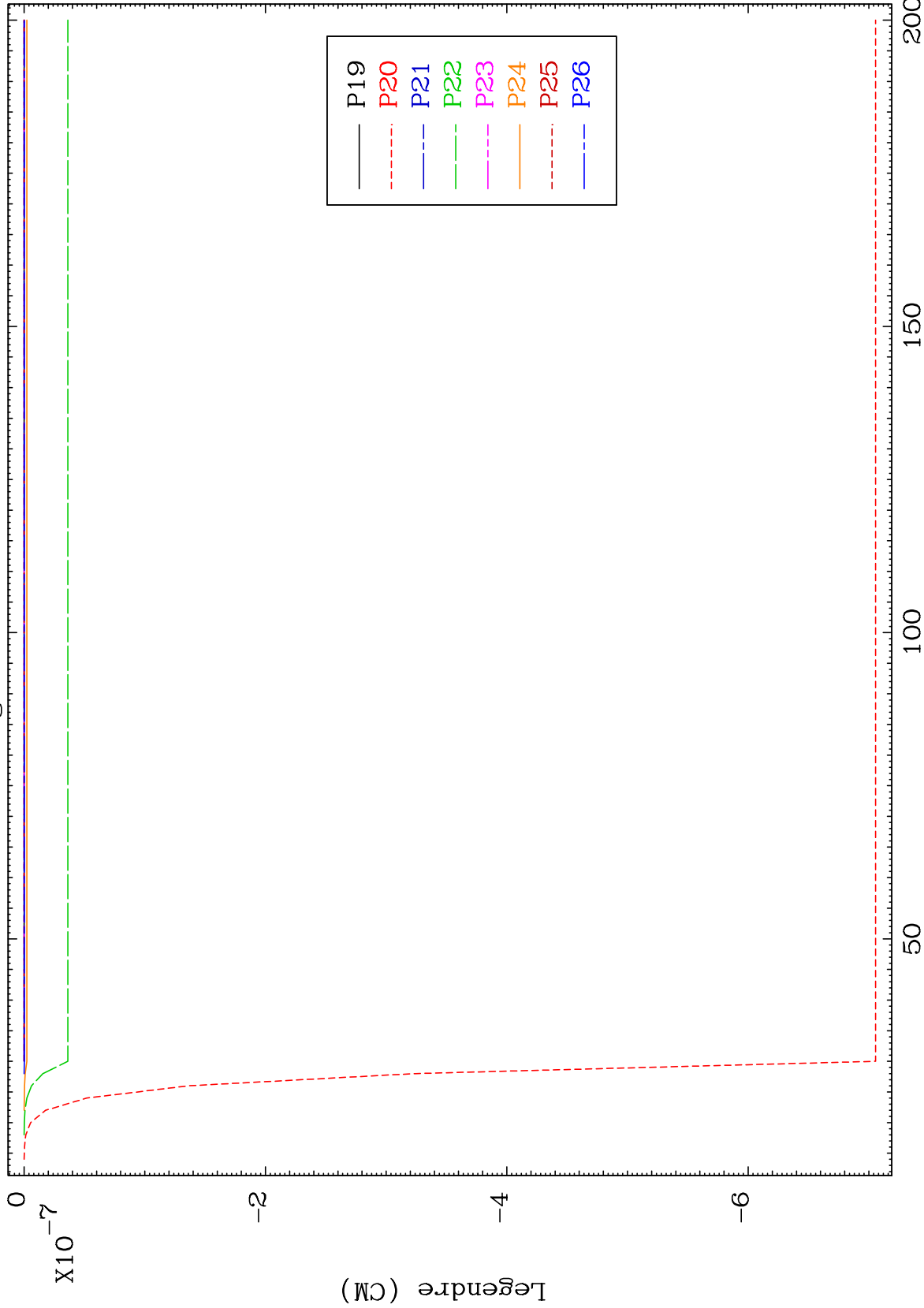
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

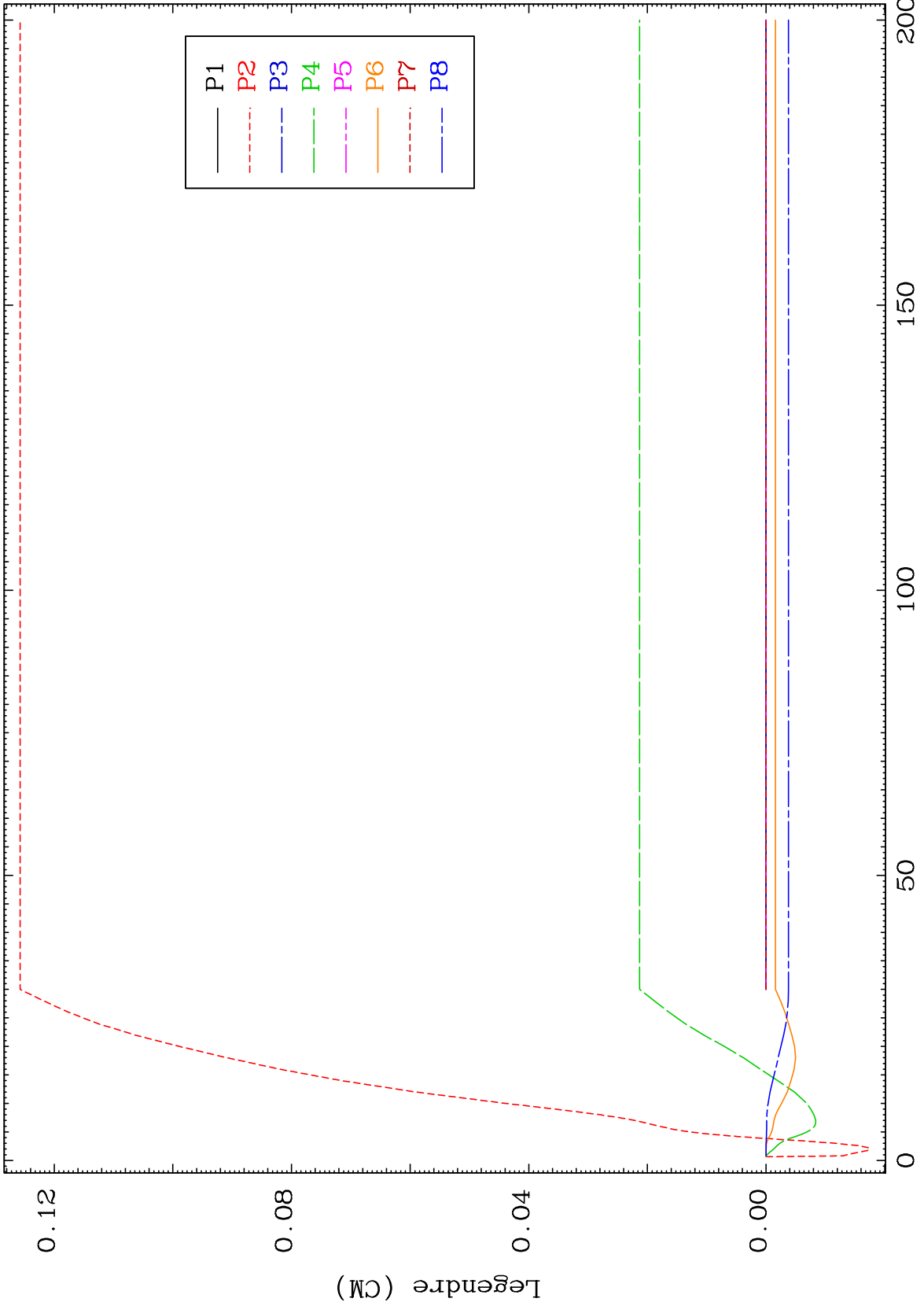
51-Sb-118



98

51-Sb-118

MAT 5116 MT= 74 (n,n') Level Legendre Coefficients 51-Sb-118

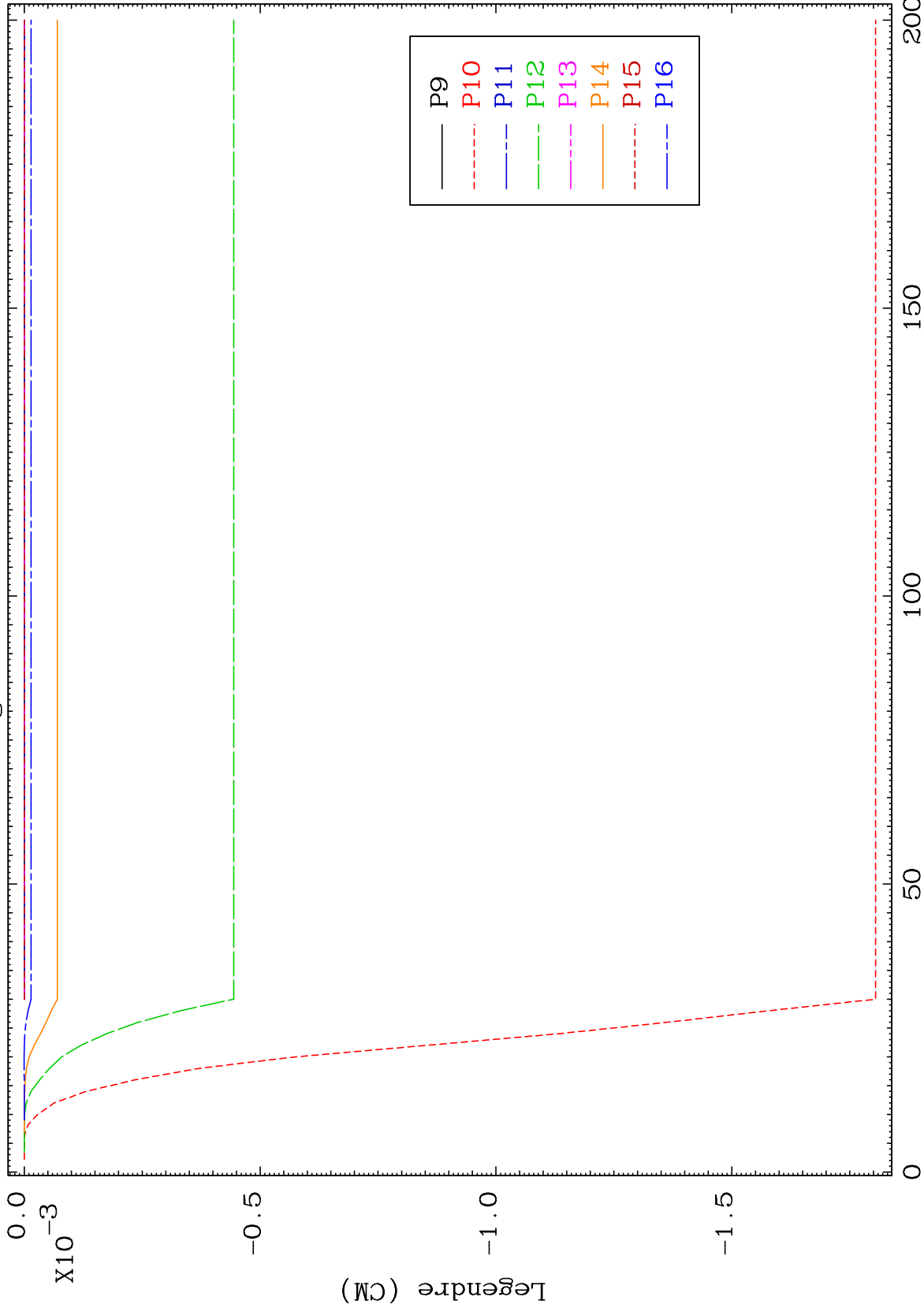


99 51-Sb-118

MAT 5116

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

51-Sb-118



51-Sb-118

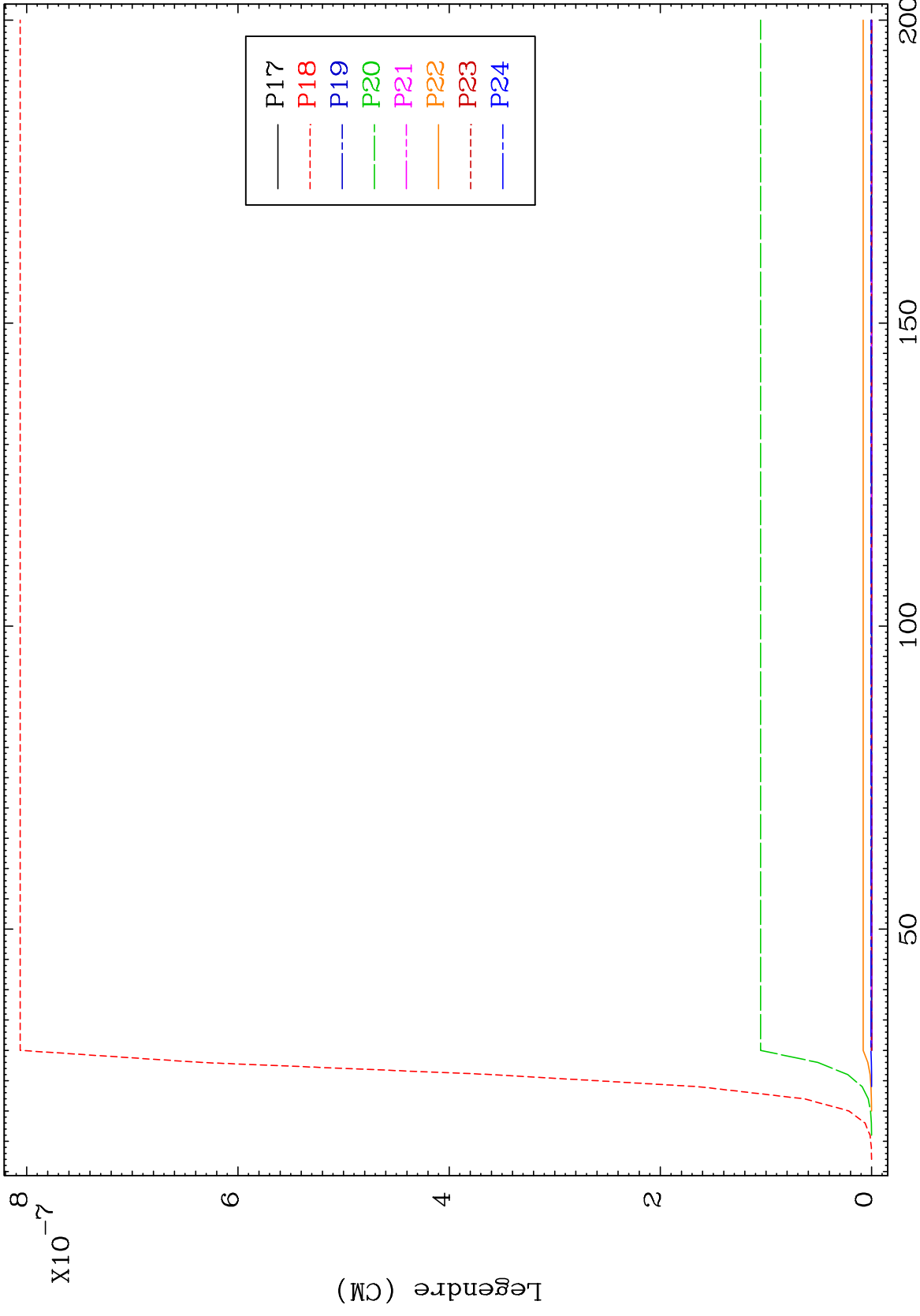
Incident Energy (MeV)

100

MAT 5116

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

51-Sb-118



51-Sb-118

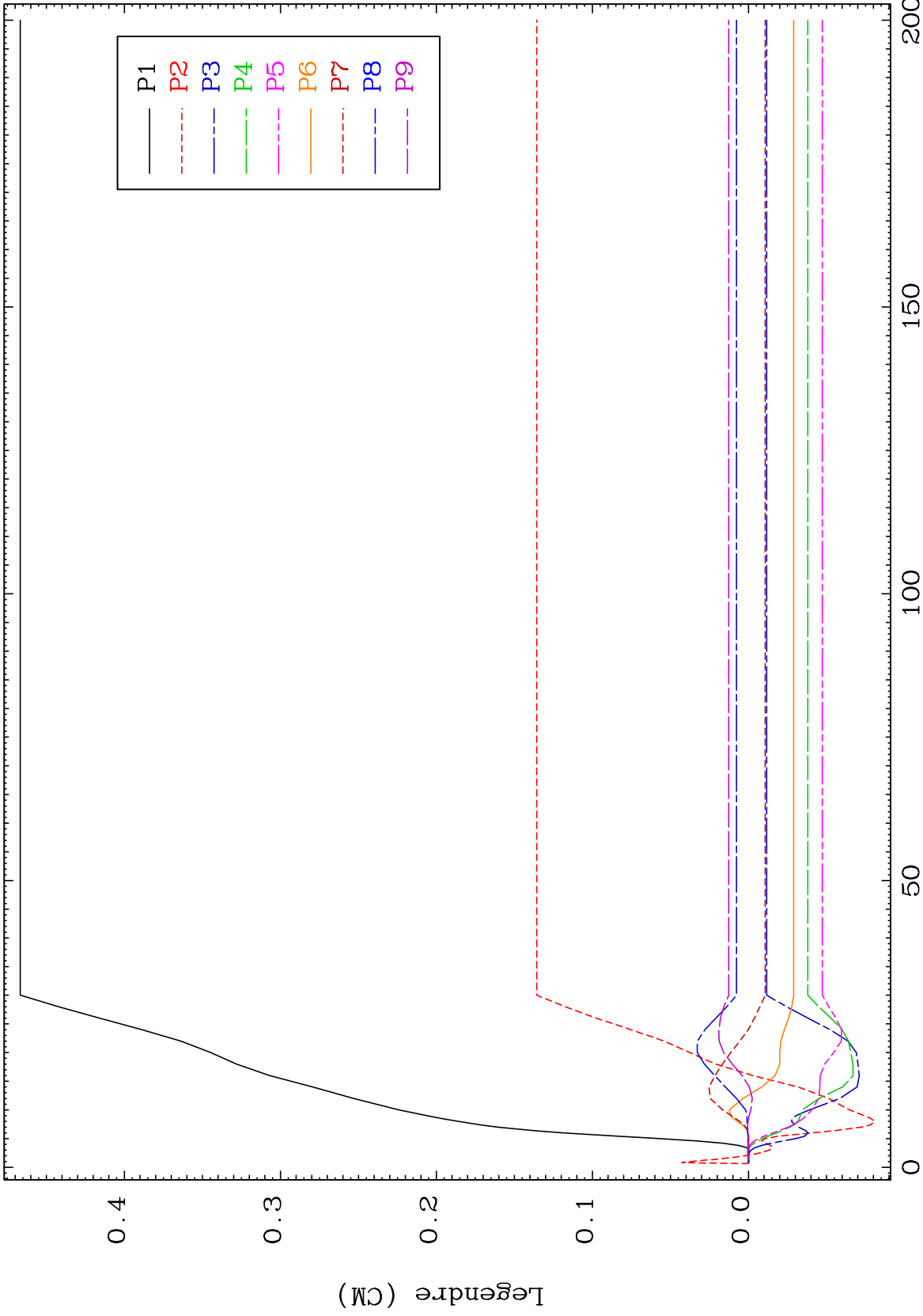
Incident Energy (MeV)

101

MAT 5116

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

51-Sb-118



102

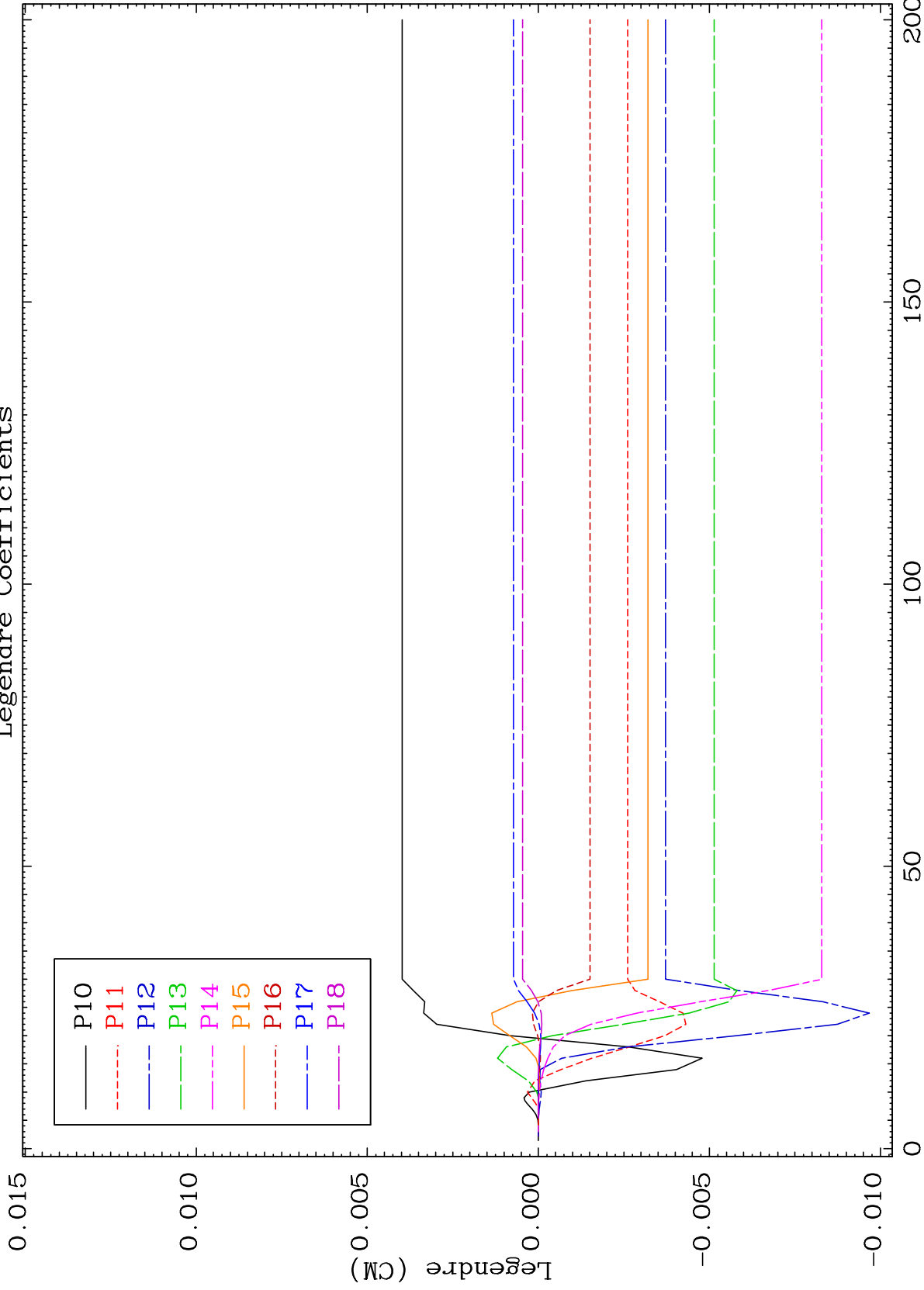
Incident Energy (MeV)

51-Sb-118

51-Sb-118

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

MAT 5116



51-Sb-118

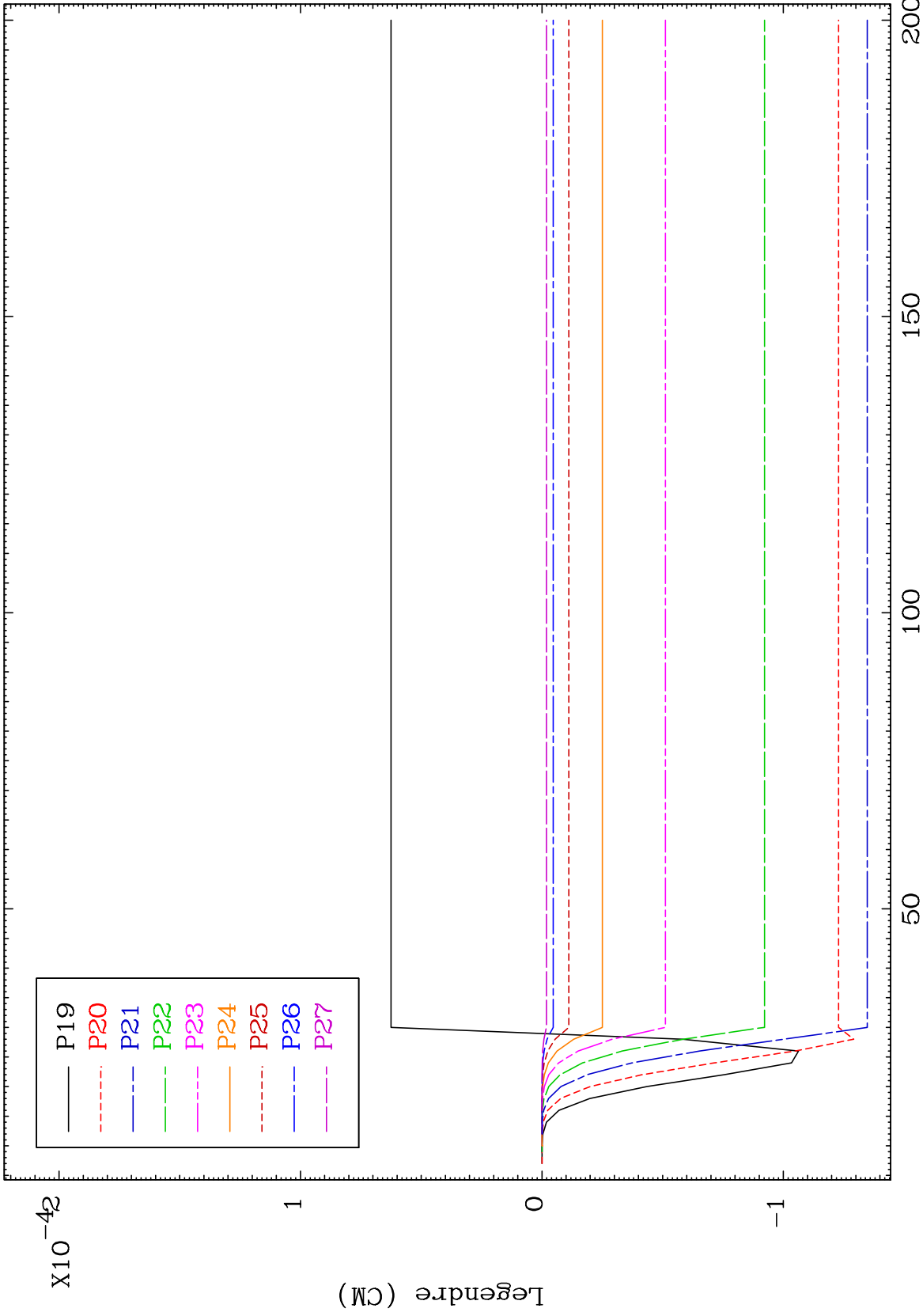
Incident Energy (MeV)

103

MAT 5116

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

51-Sb-118



104

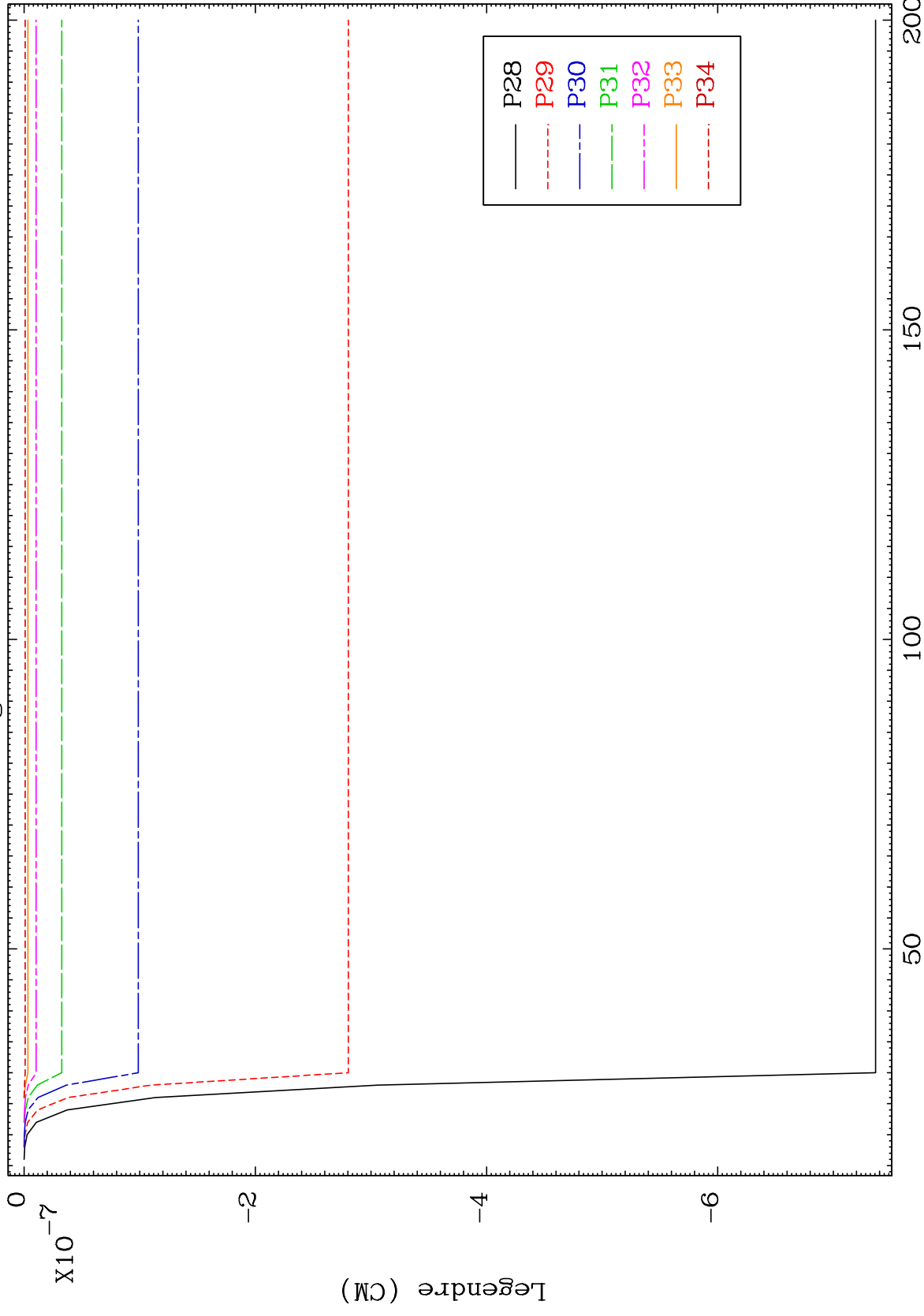
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



51-Sb-118

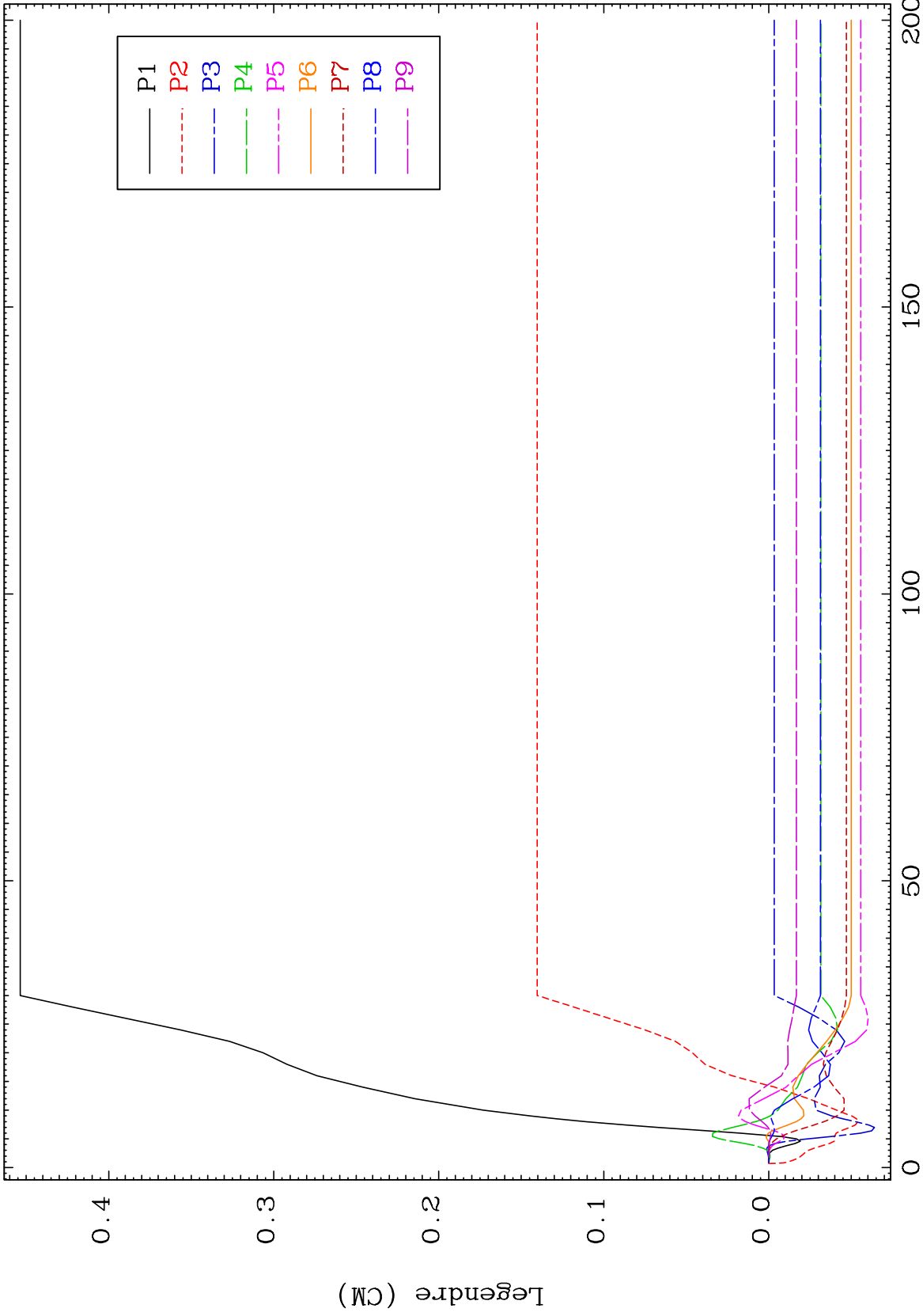
Incident Energy (MeV)

105

MAT 5116

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

51-Sb-118

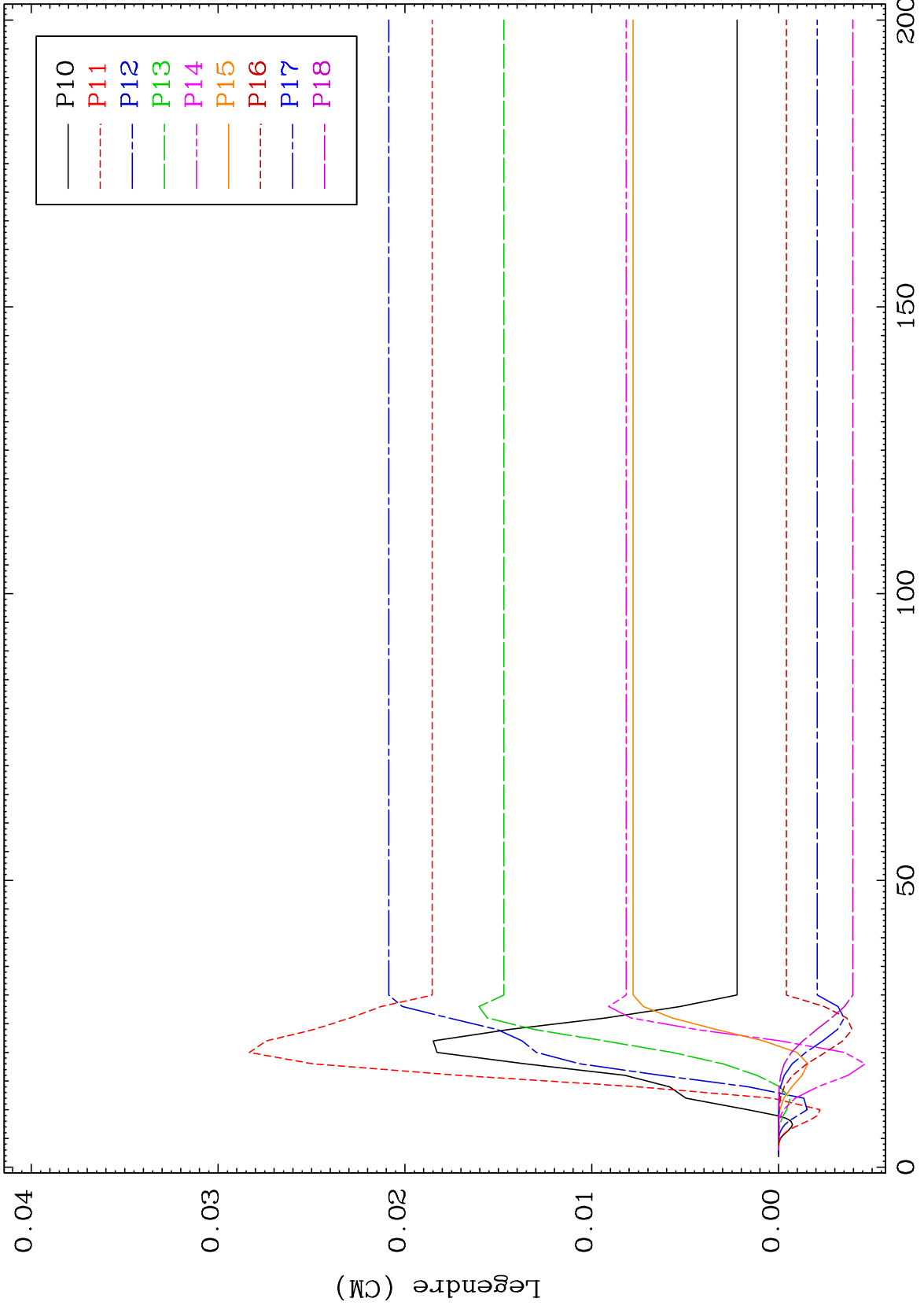


51-Sb-118

Incident Energy (MeV)

106

MAT 5116 MT= 76 (n,n') Level Legendre Coefficients 51-Sb-118

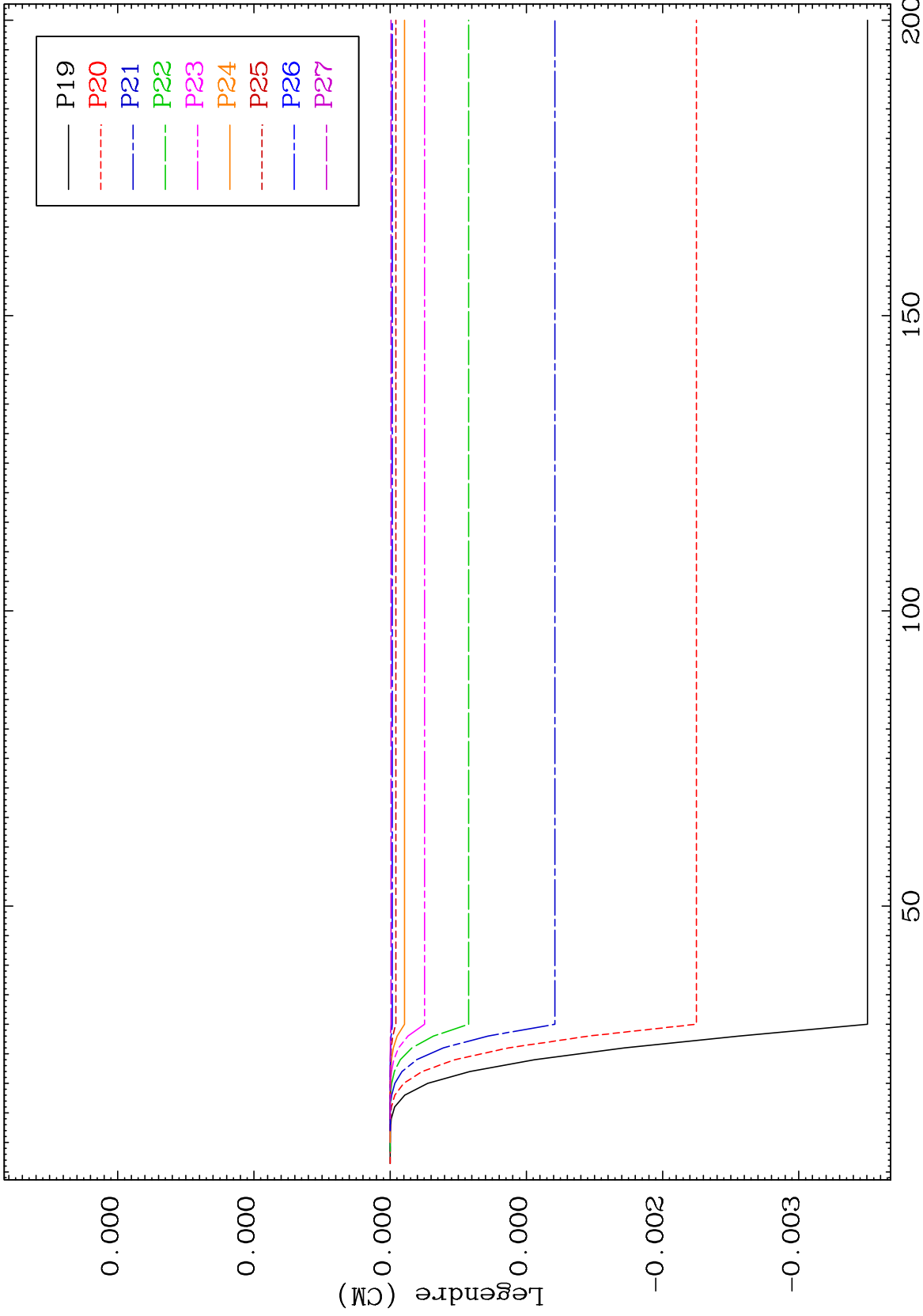


107 51-Sb-118

MAT 5116

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

51-Sb-118



108

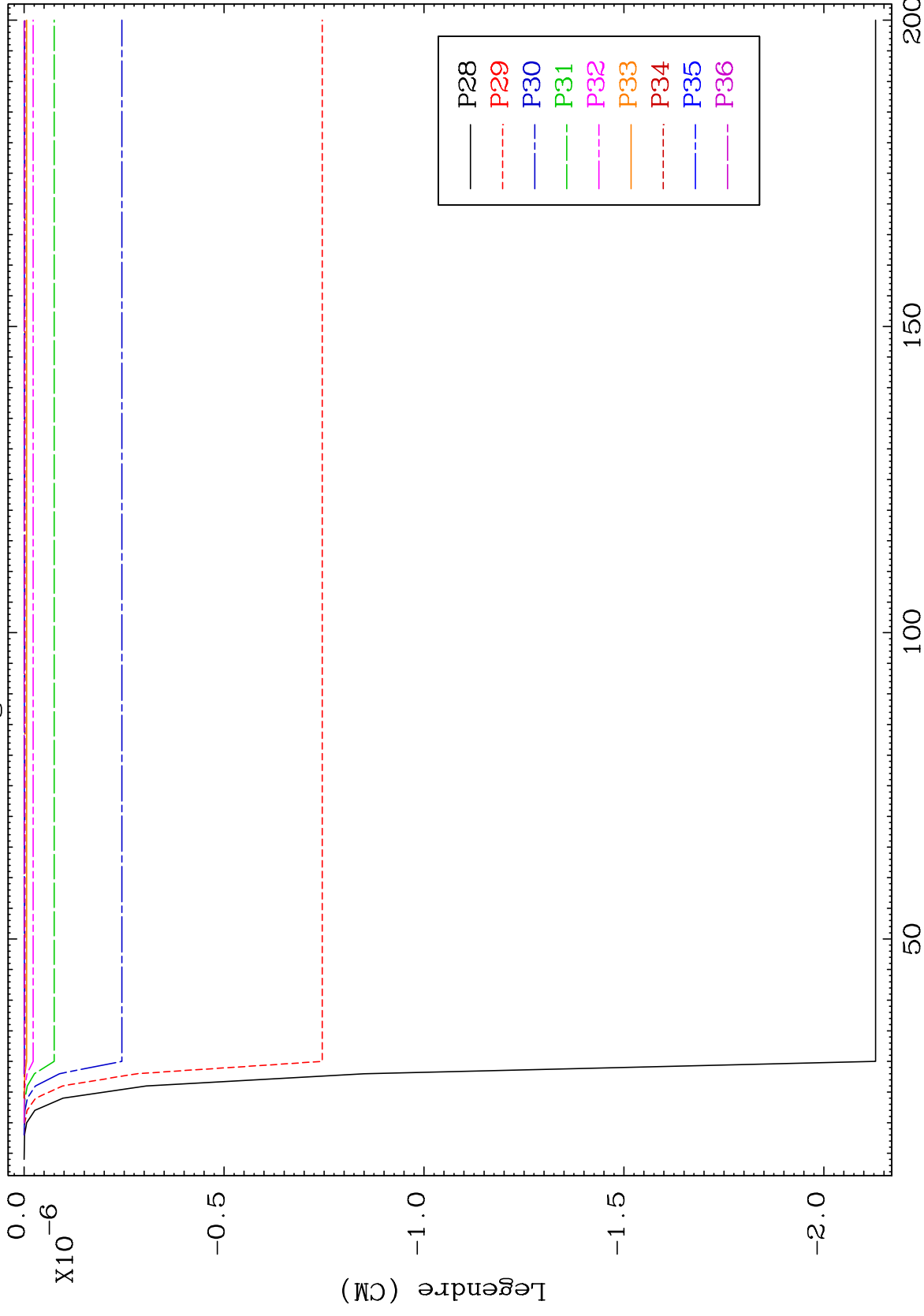
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



51-Sb-118

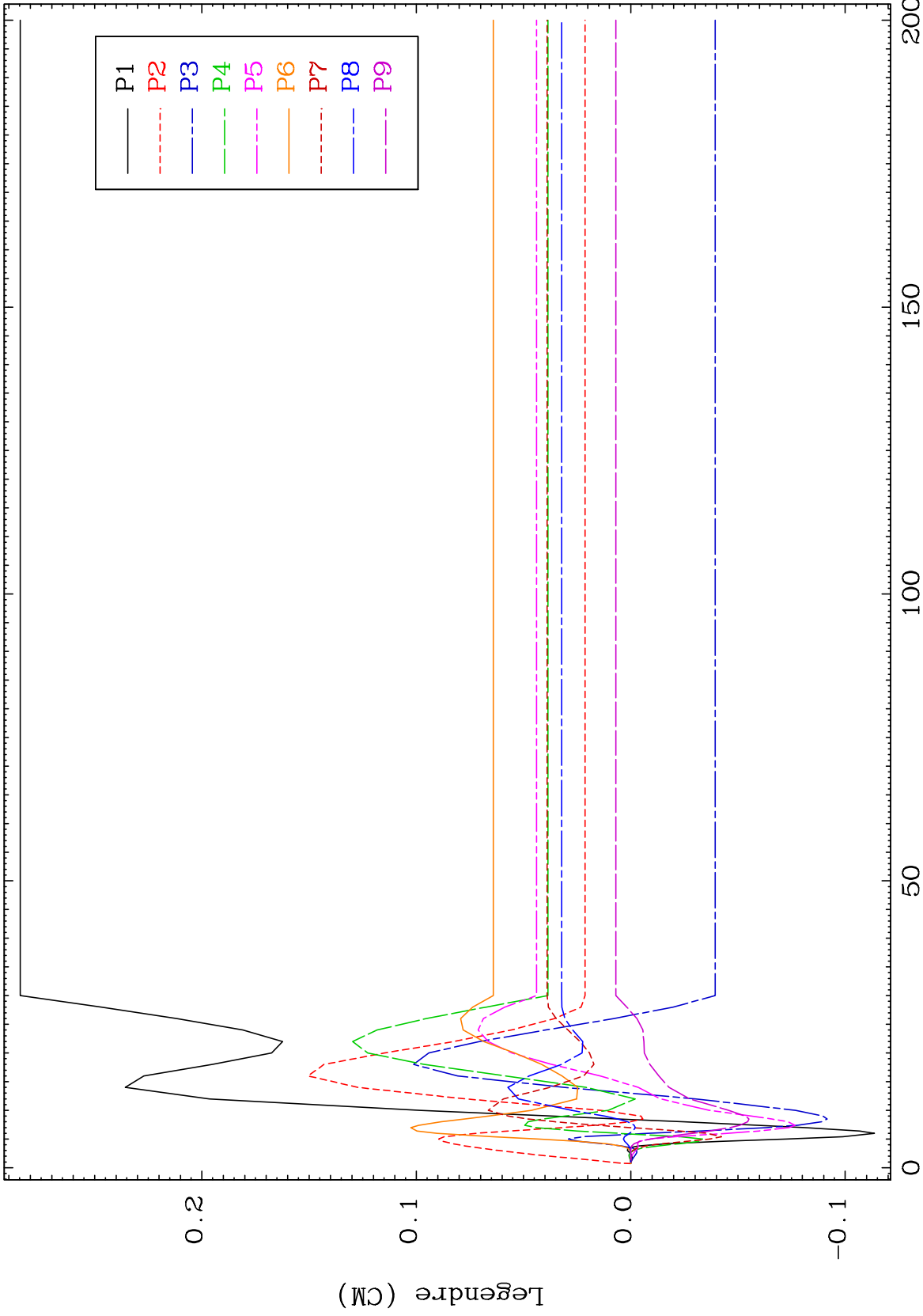
Incident Energy (MeV)

109

MAT 5116

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

51-Sb-118



51-Sb-118

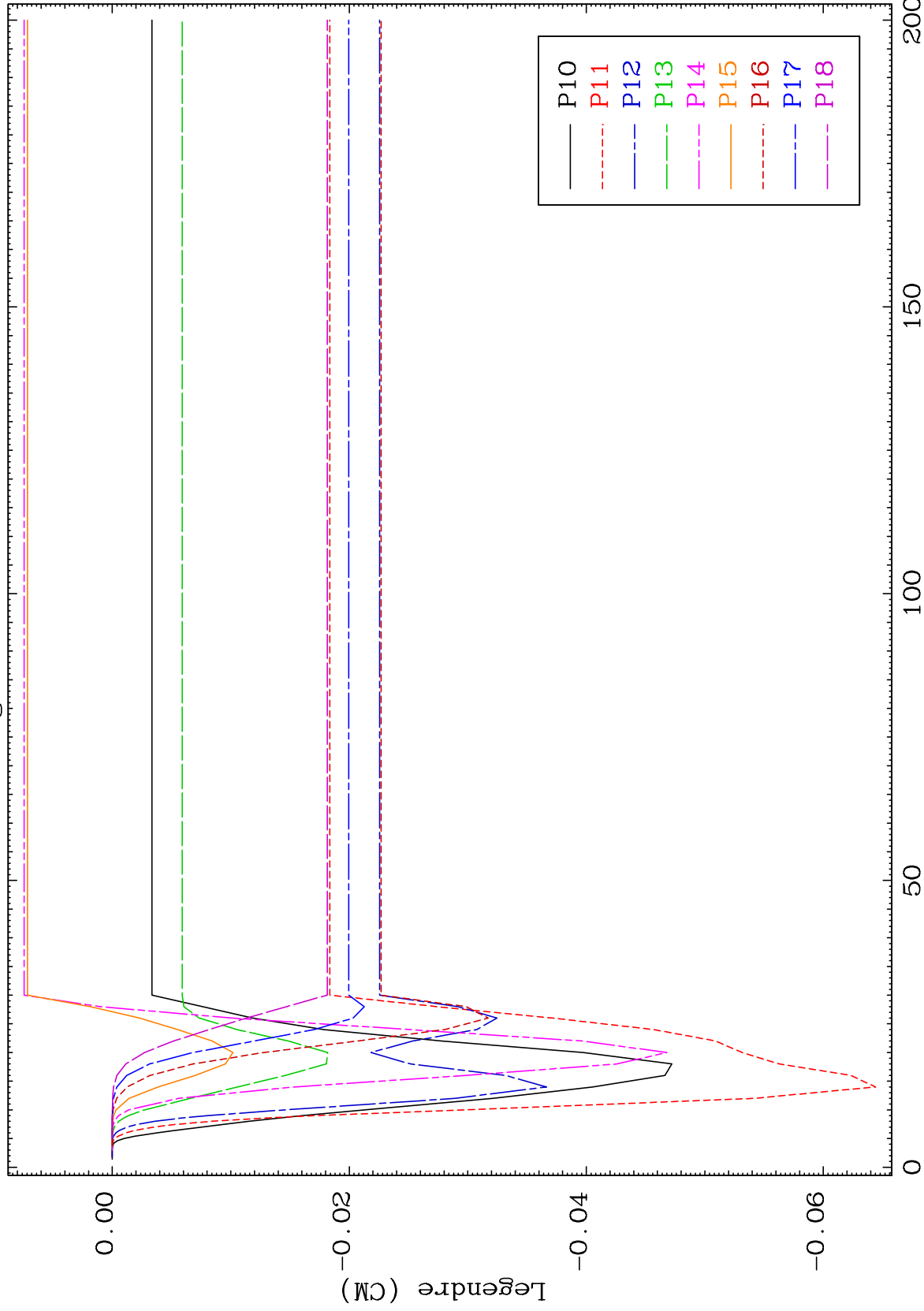
Incident Energy (MeV)

110

MAT 5116

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

51-Sb-118



111

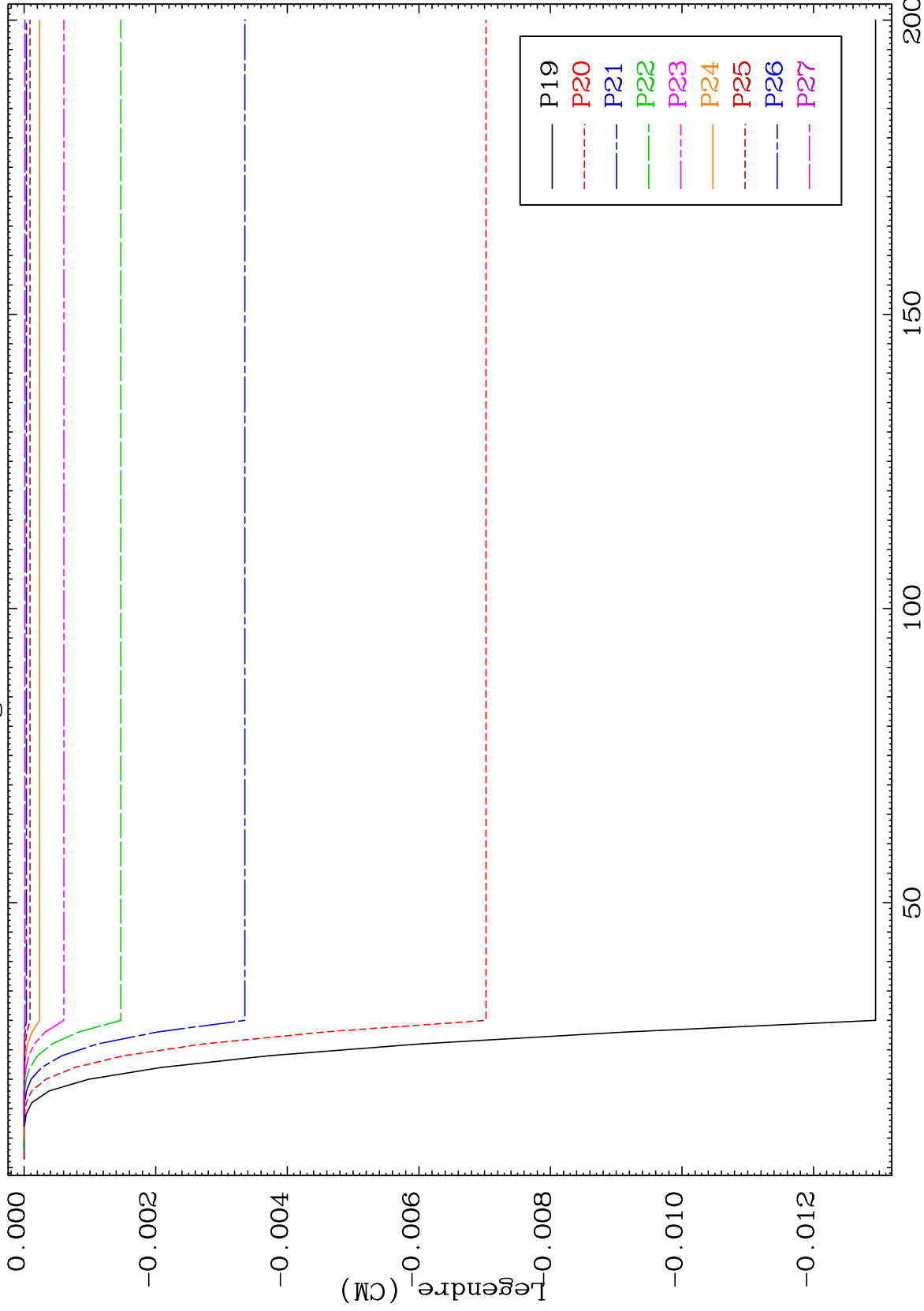
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



112

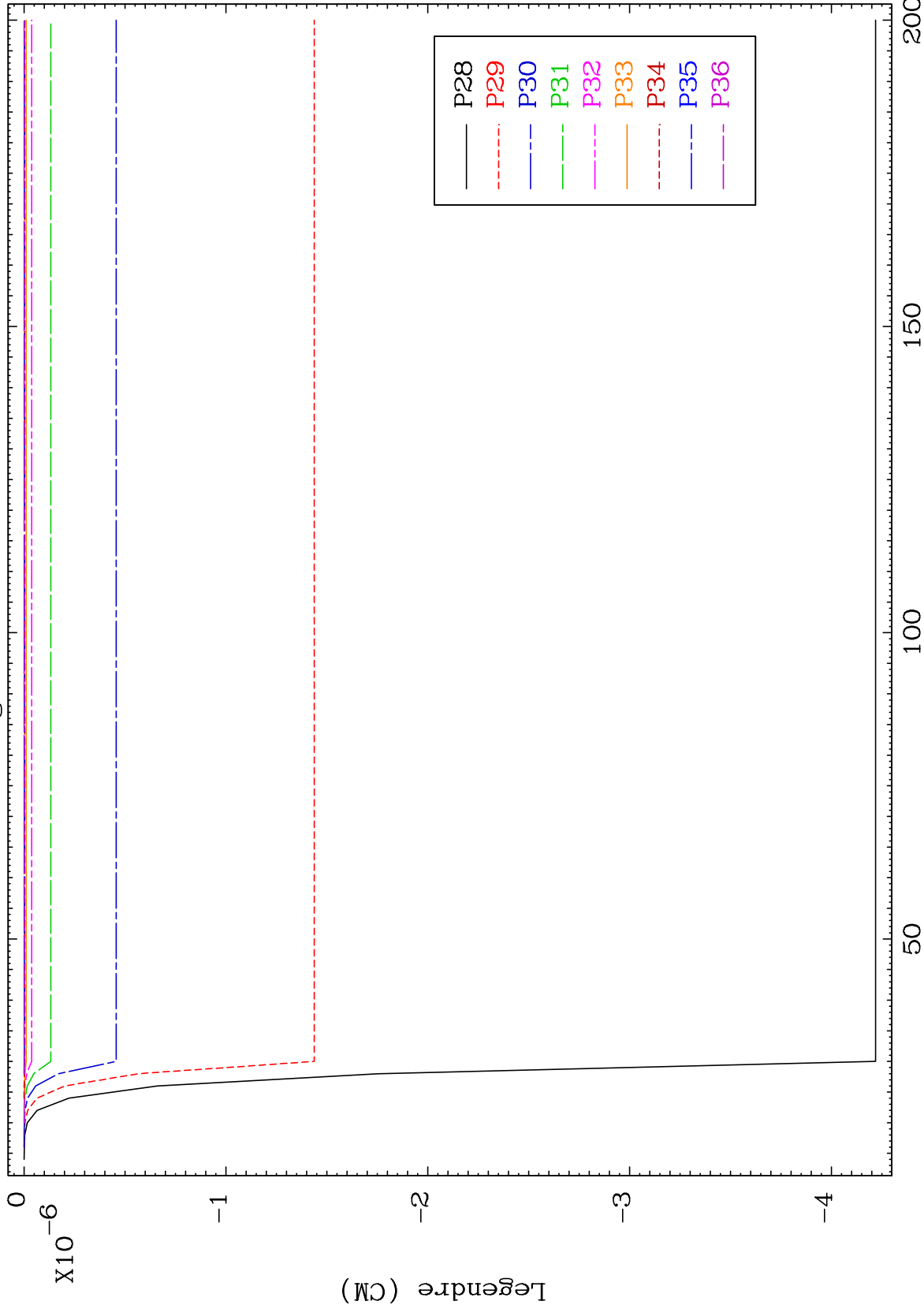
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118

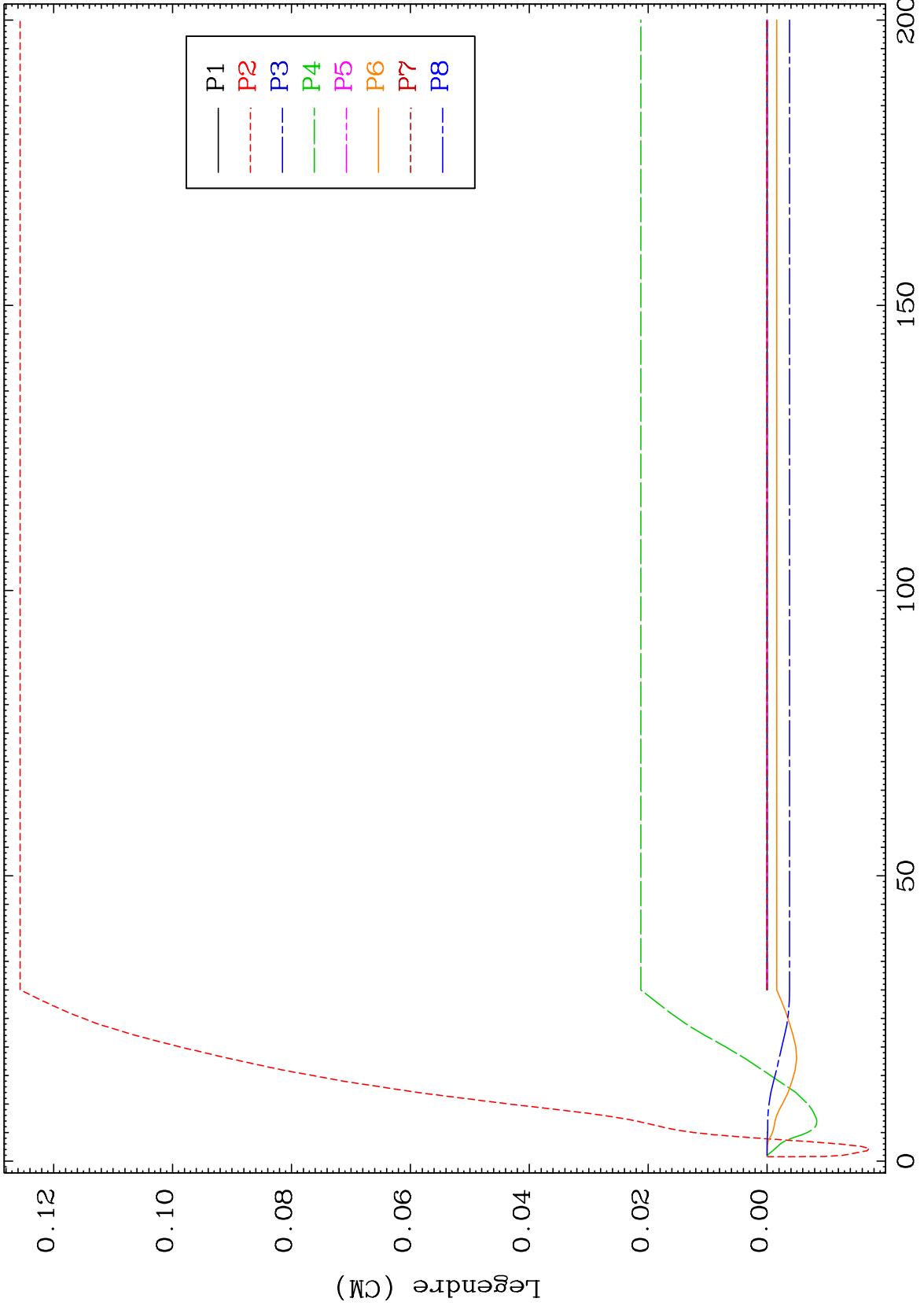


51-Sb-118

Incident Energy (MeV)

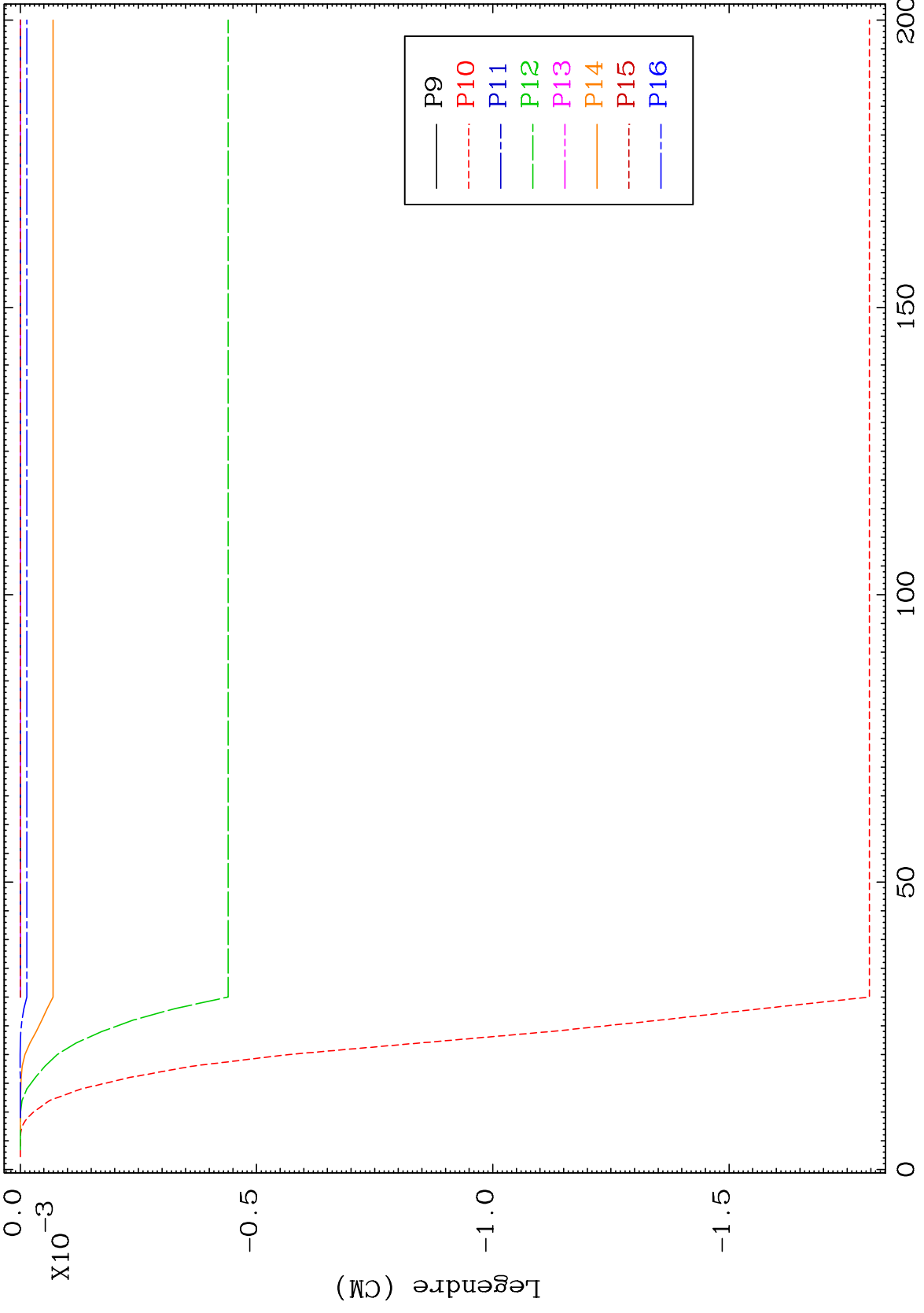
113

MAT 5116 MT= 78 (n,n') Level Legendre Coefficients 51-Sb-118



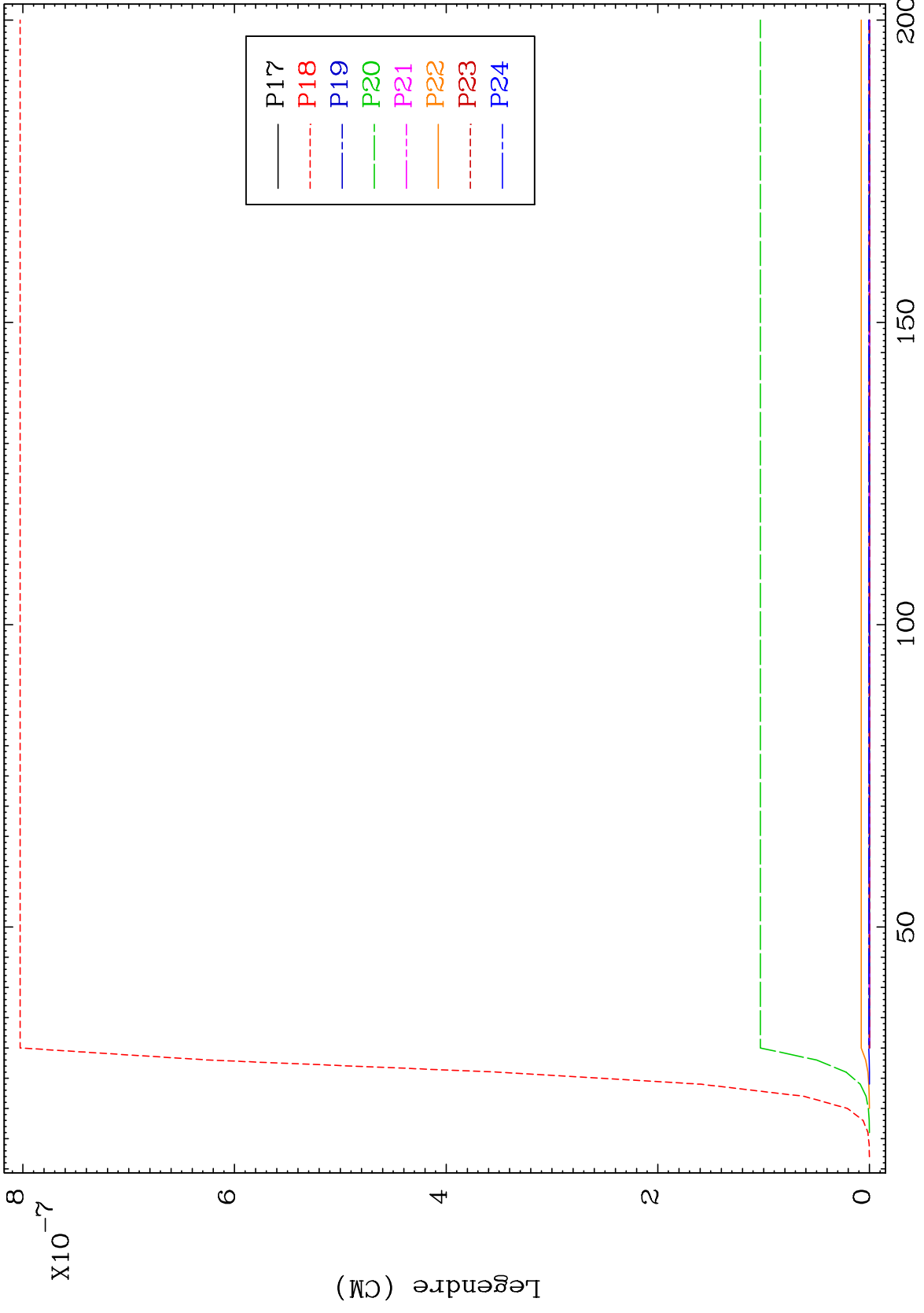
114 51-Sb-118

MAT 5116 MT= 78 (n,n') Level Legendre Coefficients 51-Sb-118



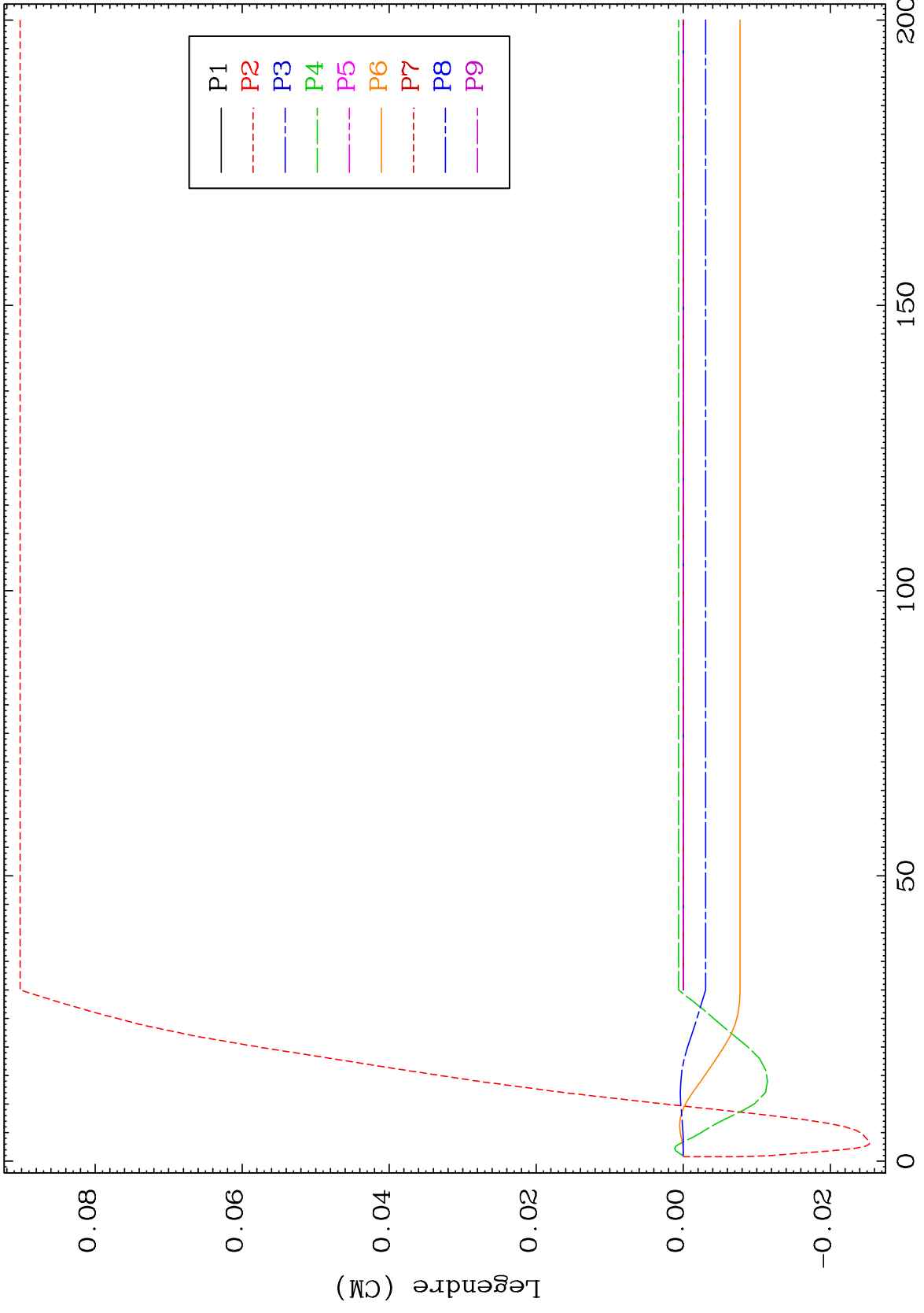
115 51-Sb-118

MAT 5116 MT= 78 (n,n') Level Legendre Coefficients 51-Sb-118



116 51-Sb-118

MAT 5116 MT= 79 (n,n') Level Legendre Coefficients 51-Sb-118

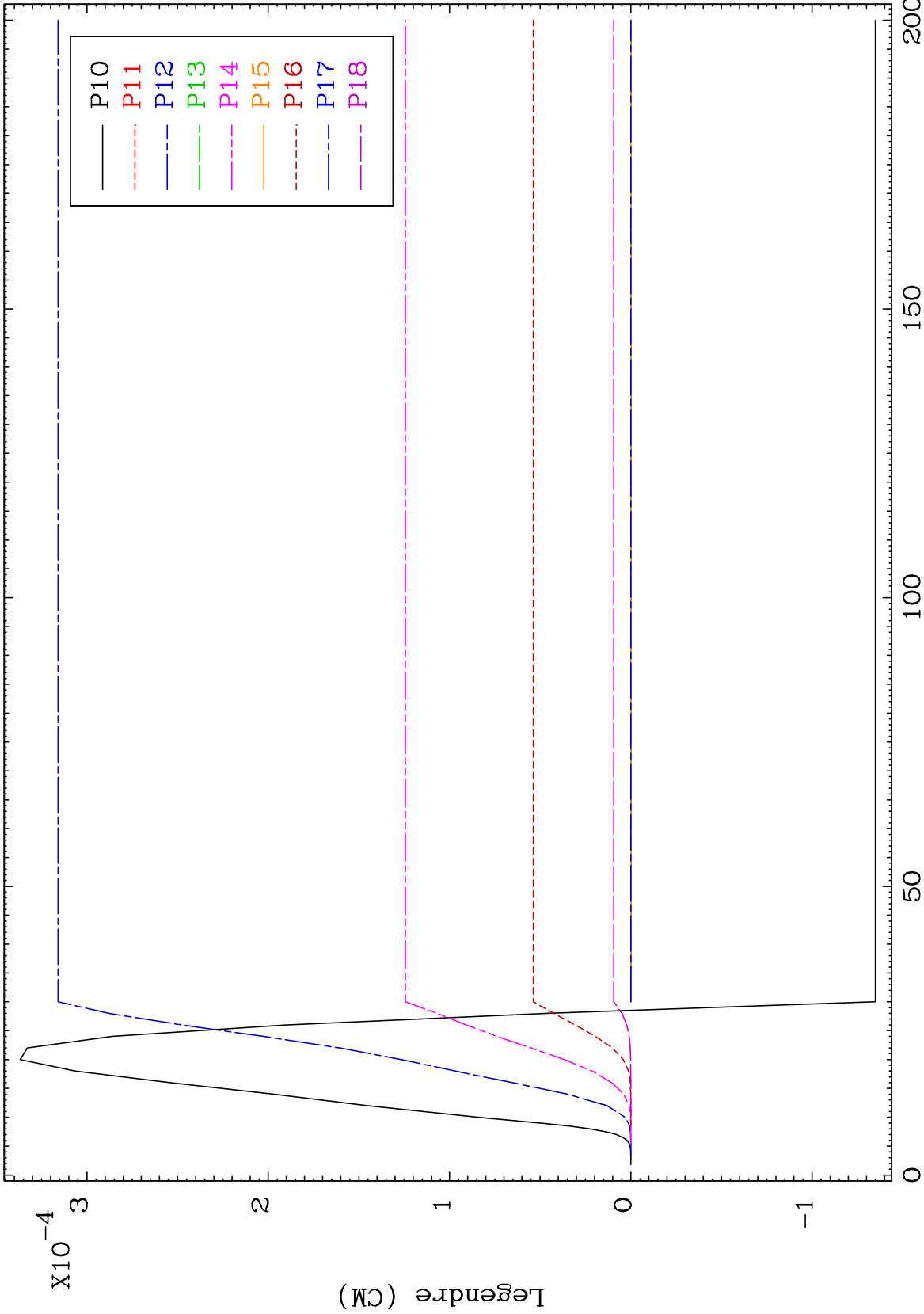


117 51-Sb-118

MAT 5116

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

51-Sb-118

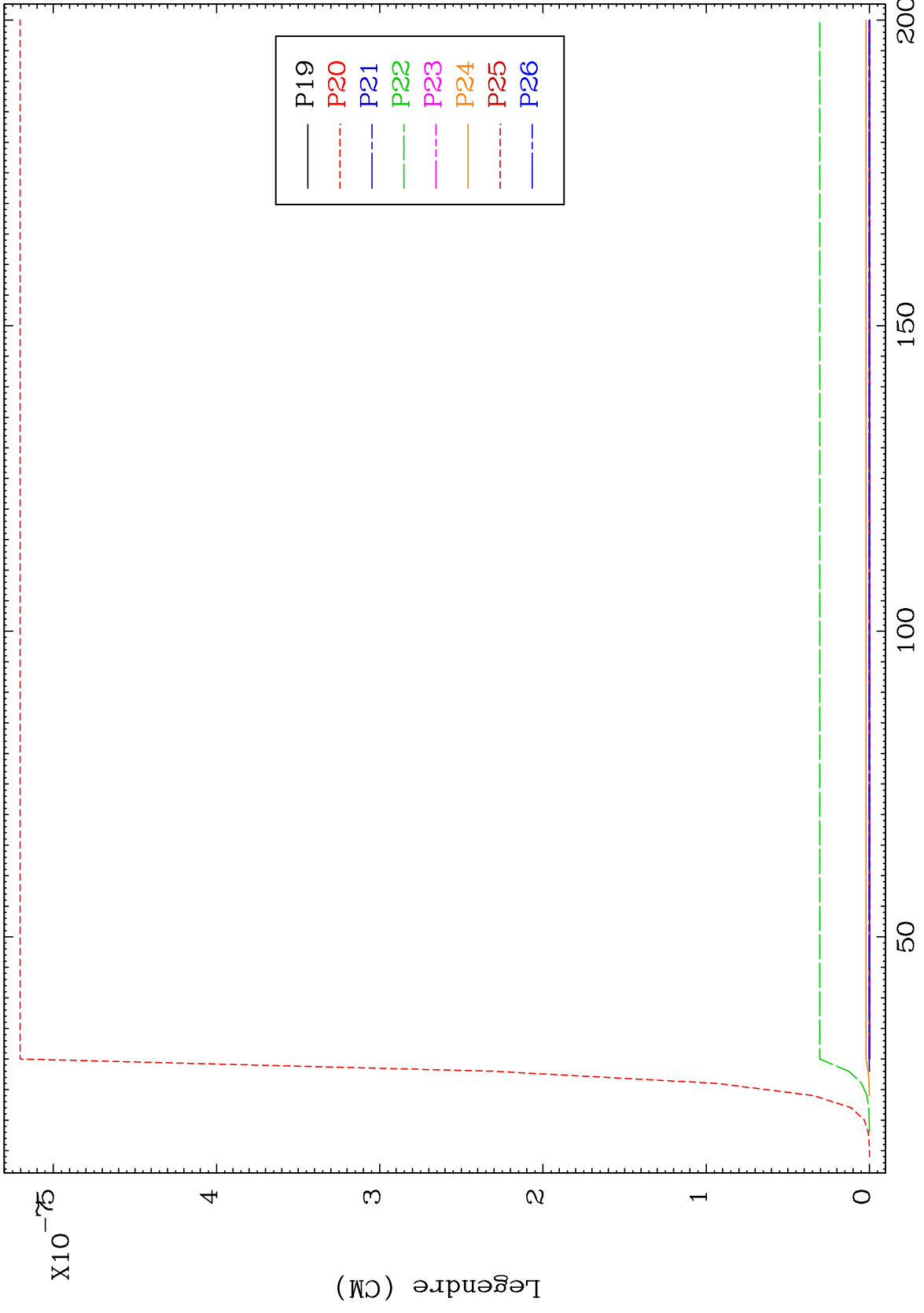


118

Incident Energy (MeV)

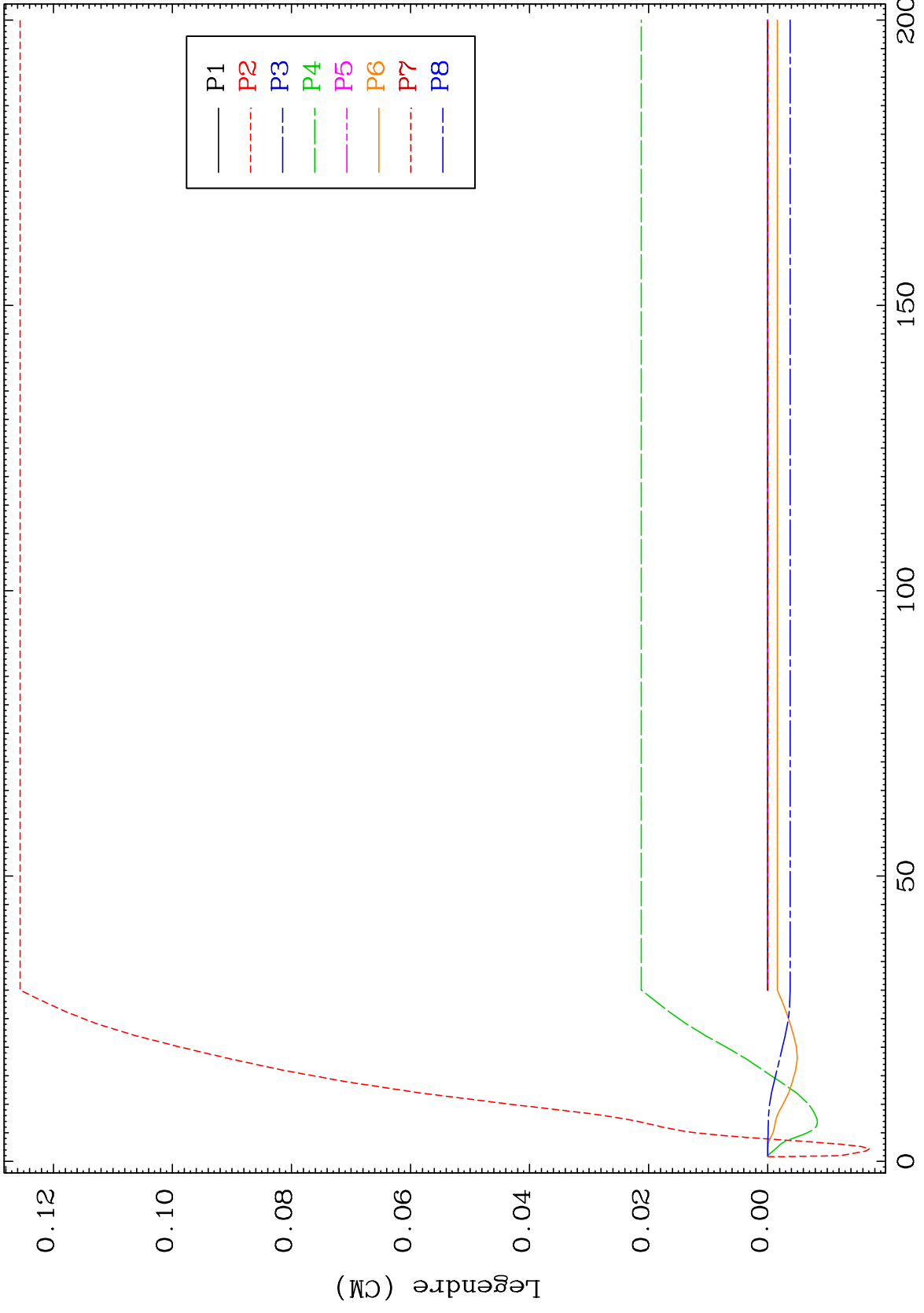
51-Sb-118

MAT 5116 MT= 79 (n,n') Level Legendre Coefficients 51-Sb-118



119 51-Sb-118

MAT 5116 MT= 80 (n,n') Level Legendre Coefficients 51-Sb-118

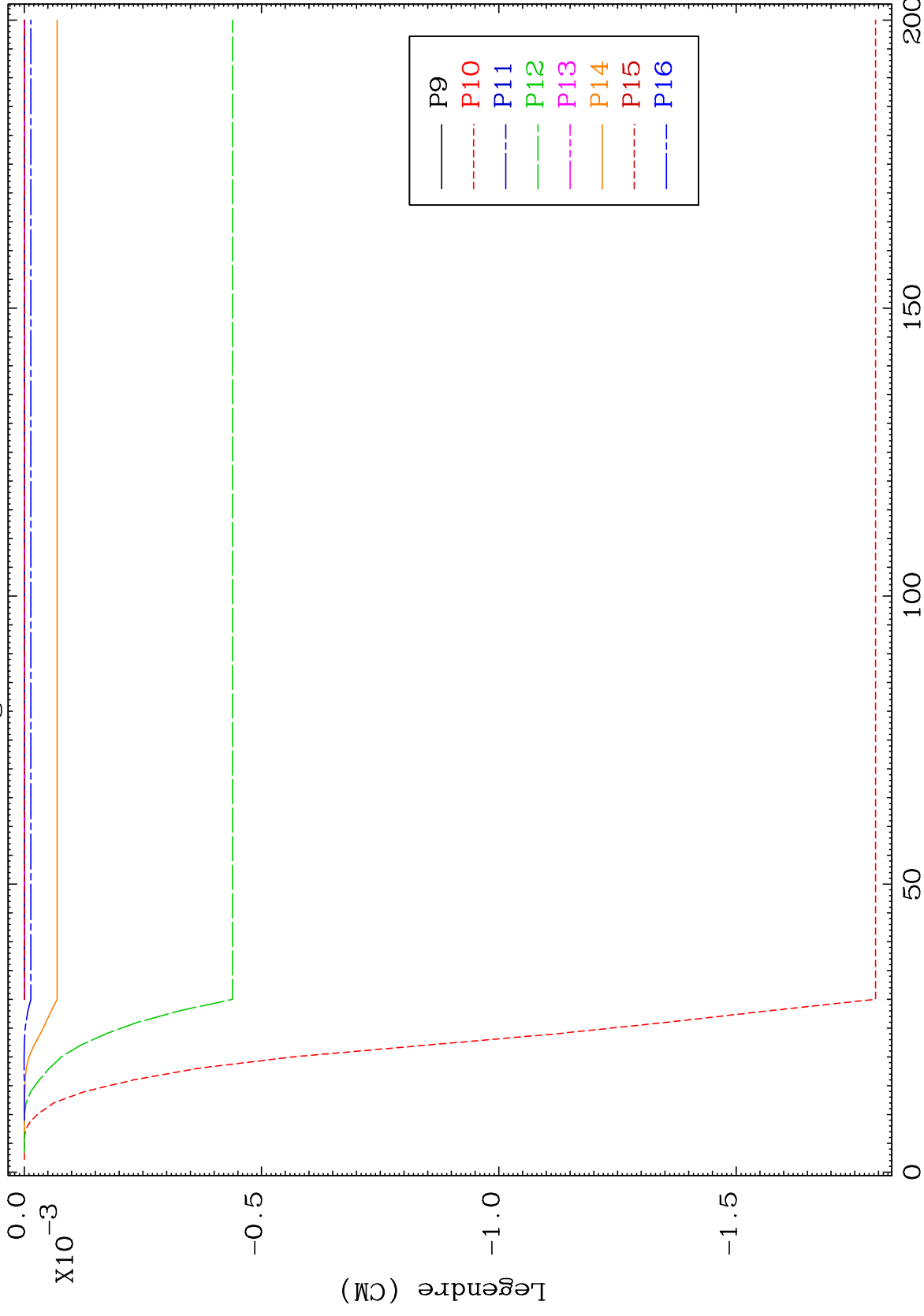


Legendre (CM) Incident Energy (MeV) 51-Sb-118

MAT 5116

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

51-Sb-118



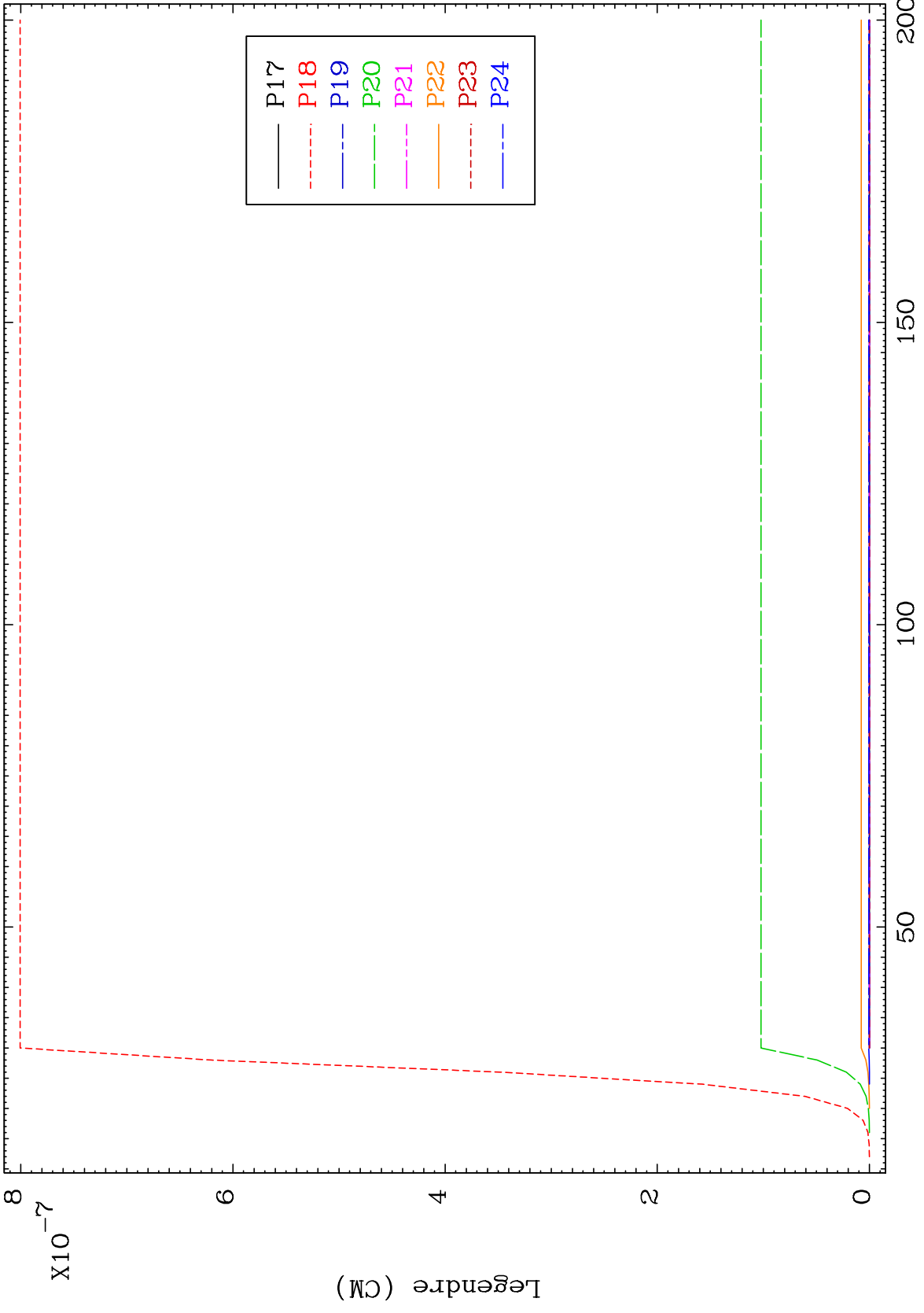
51-Sb-118

Incident Energy (MeV)

121

MAT 5116 MT= 80 (n,n') Level Legendre Coefficients

51-Sb-118



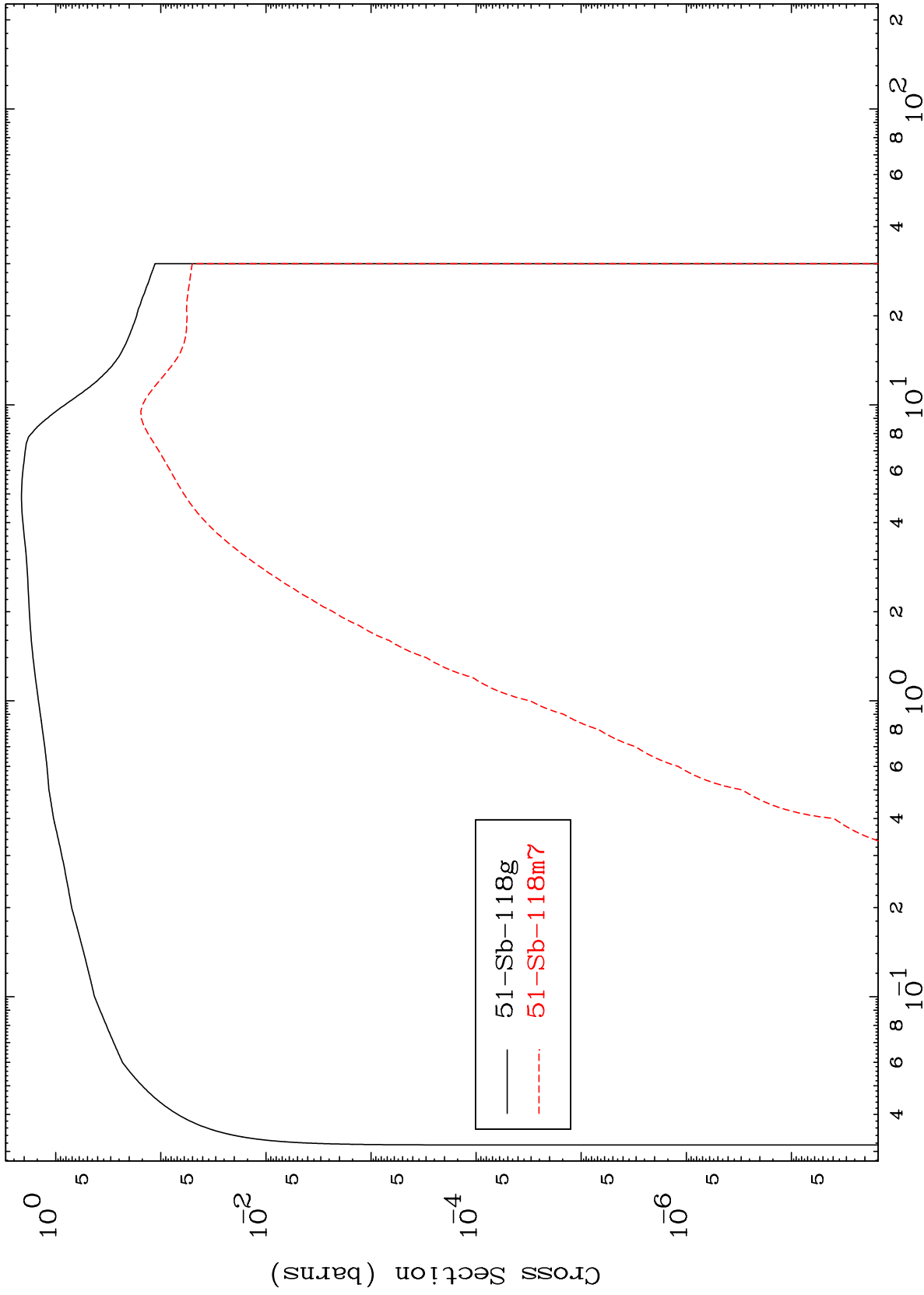
122

51-Sb-118

MAT 5116

51-Sb-118

Inelastic
Radionuclide Production Cross Section



123

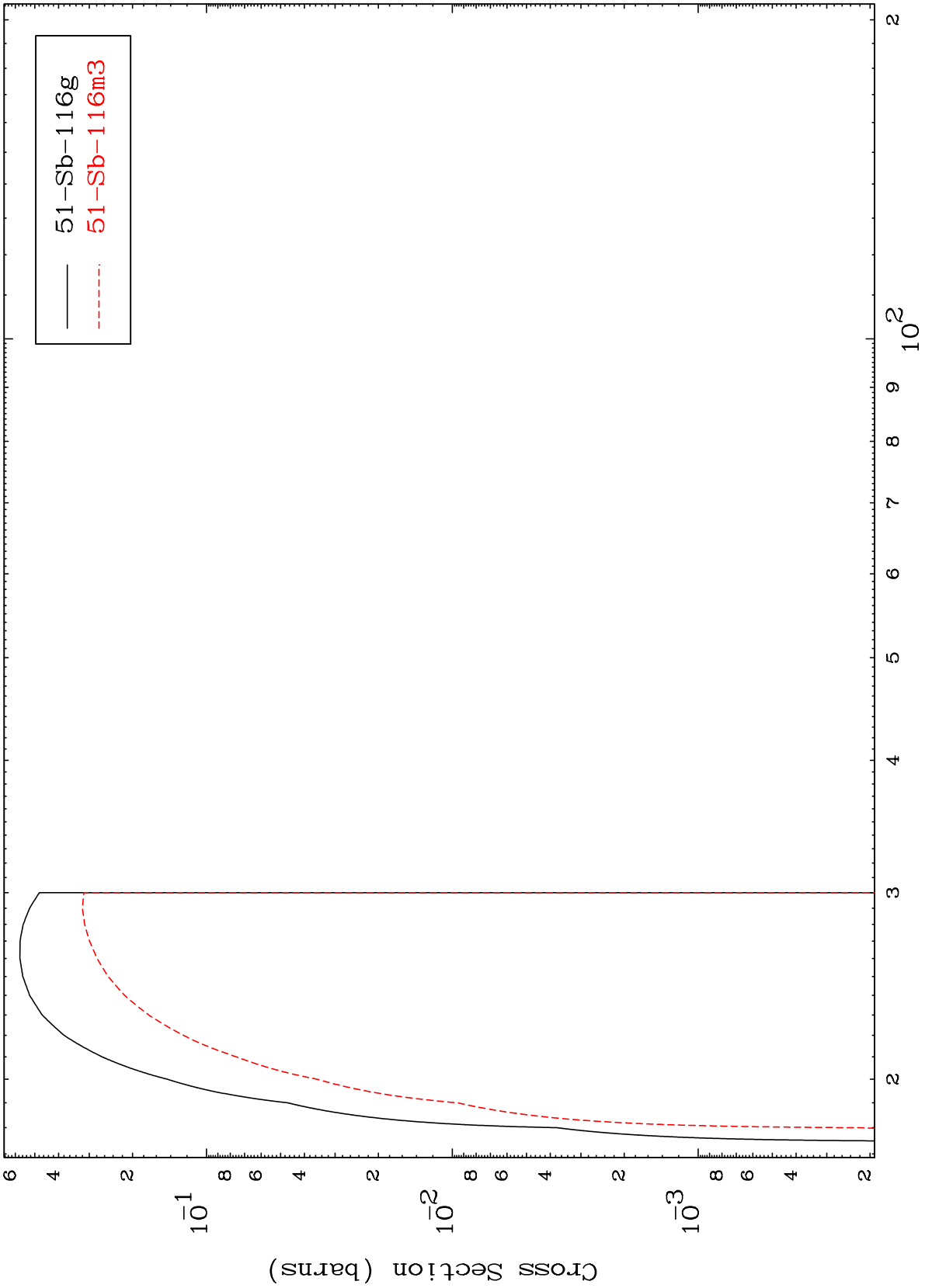
51-Sb-118

MAT 5116

(n,3n)

51-Sb-118

Radionuclide Production Cross Section



124

Incident Energy (MeV)

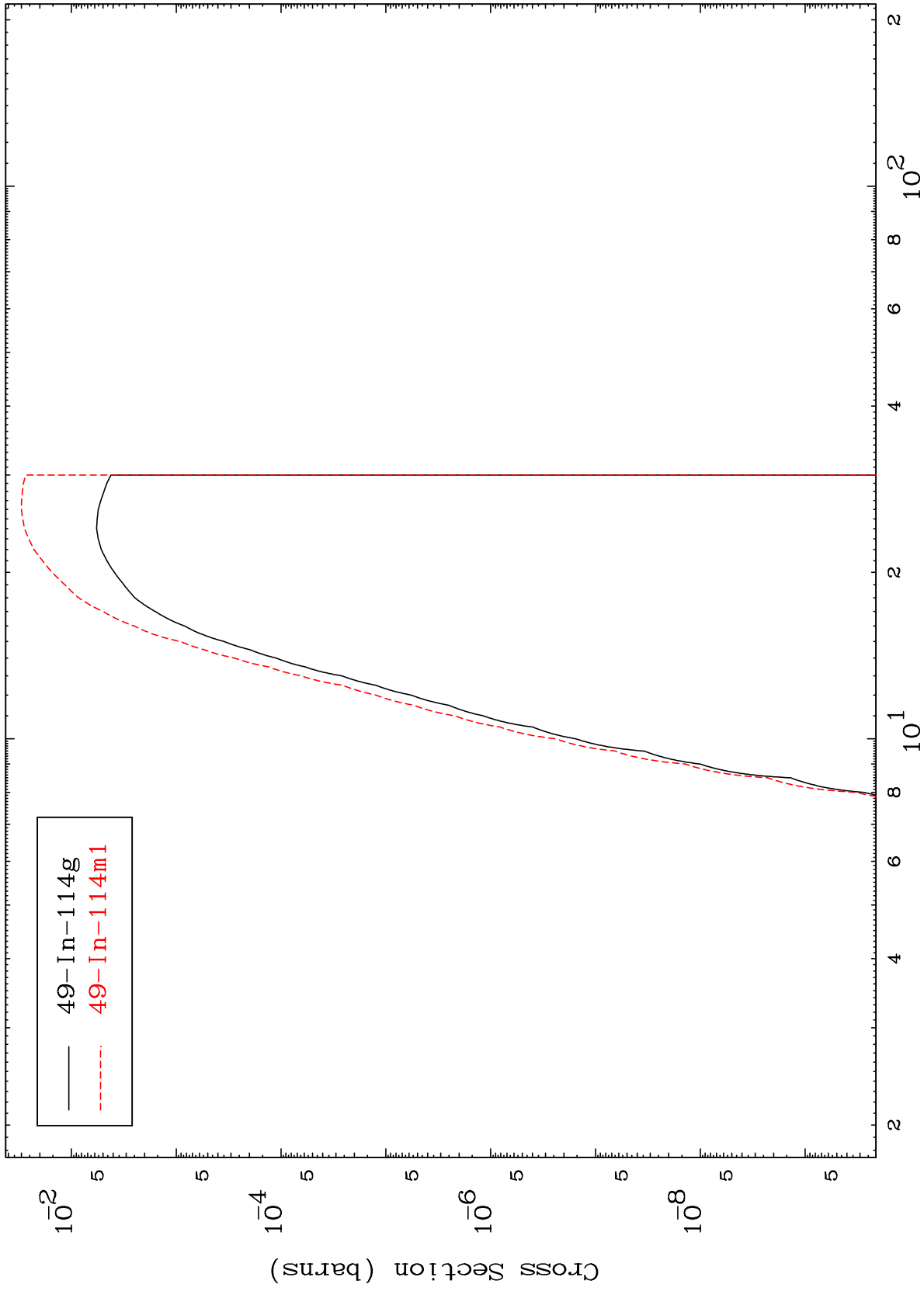
51-Sb-118

MAT 5116

(n,n') α

51-Sb-118

Radionuclide Production Cross Section



125

Incident Energy (MeV)

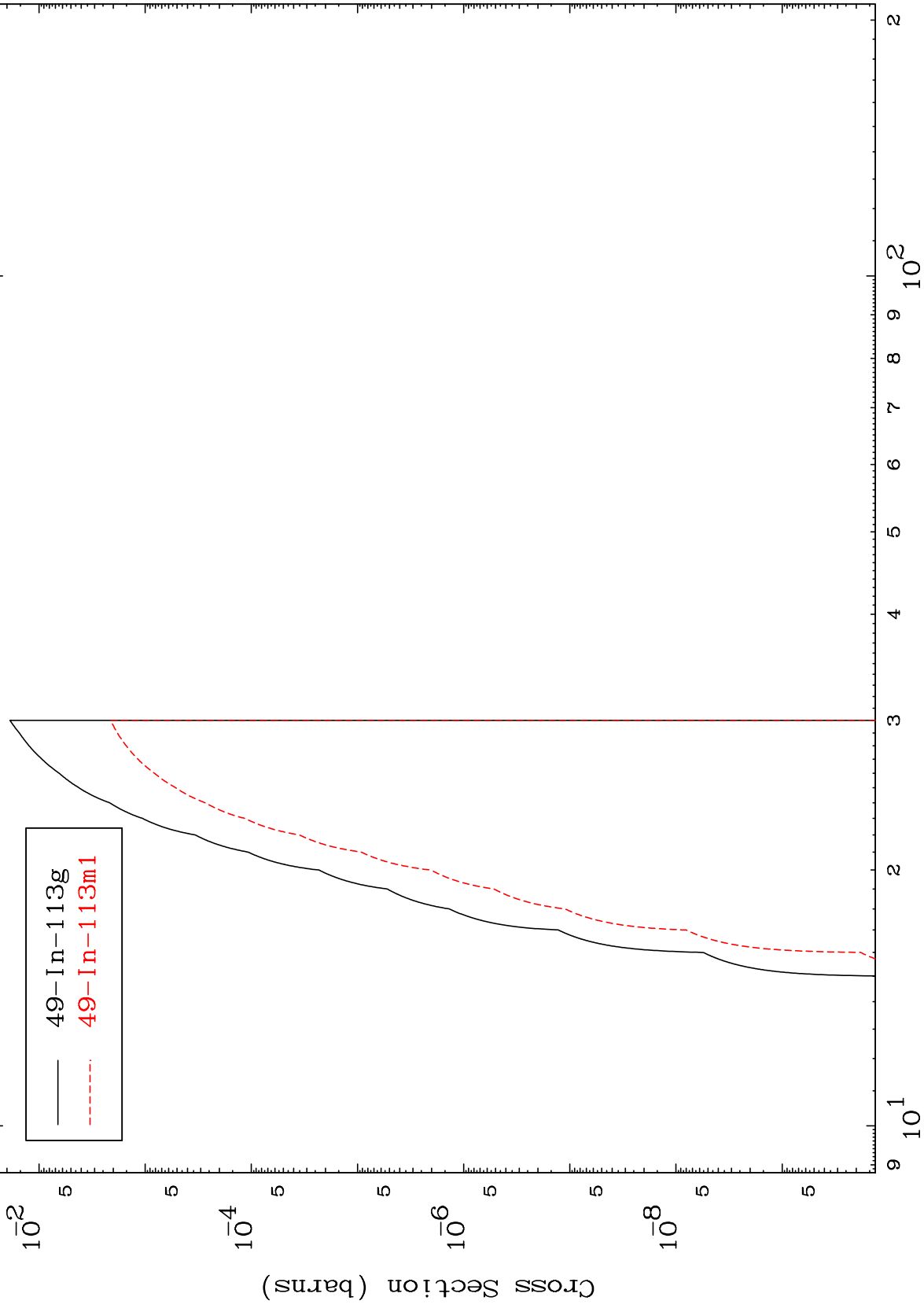
51-Sb-118

MAT 5116

(n,2n) α

51-Sb-118

Radionuclide Production Cross Section



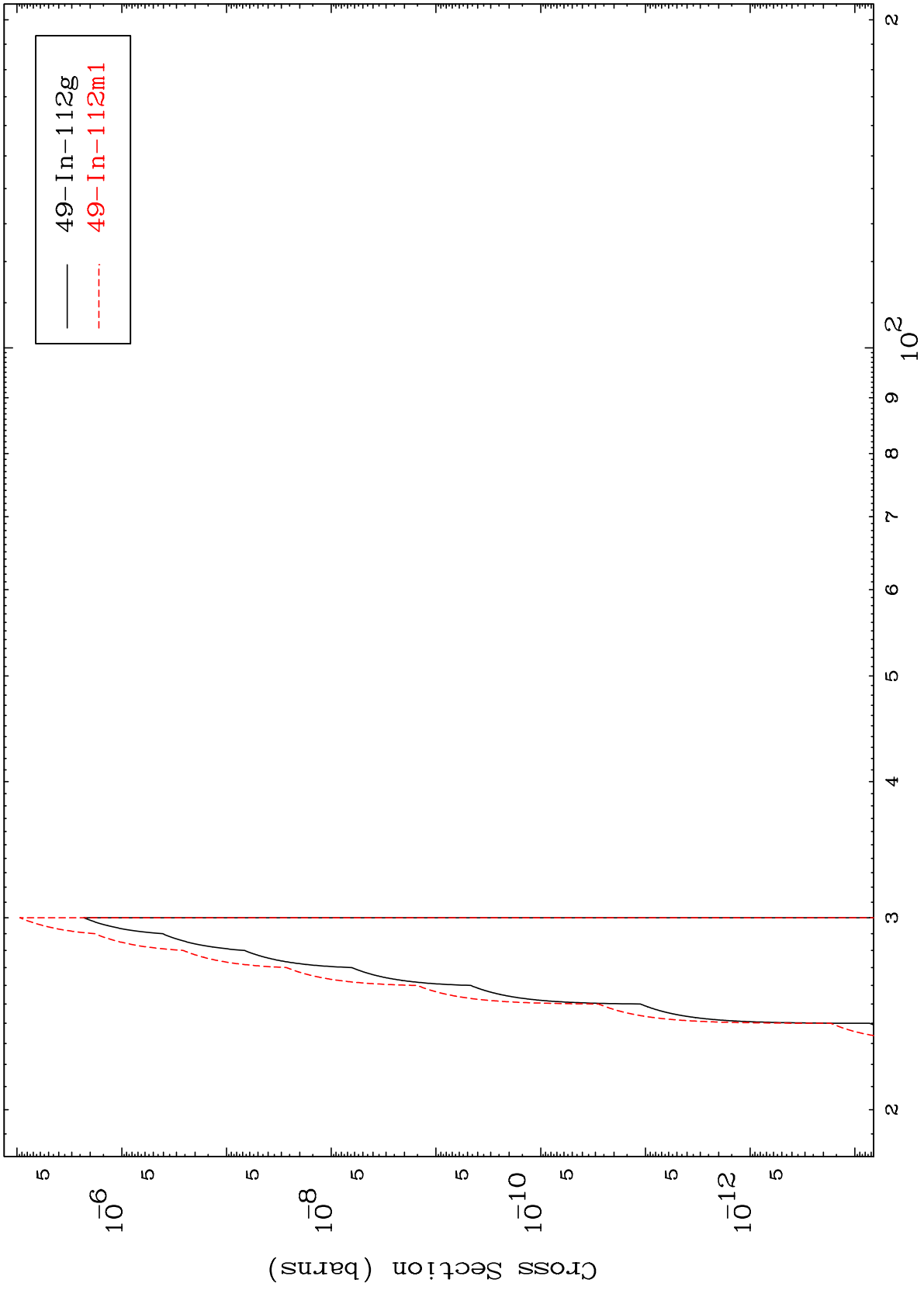
126

MAT 5116

(n,3n) α

51-Sb-118

Radionuclide Production Cross Section



127

Incident Energy (MeV)

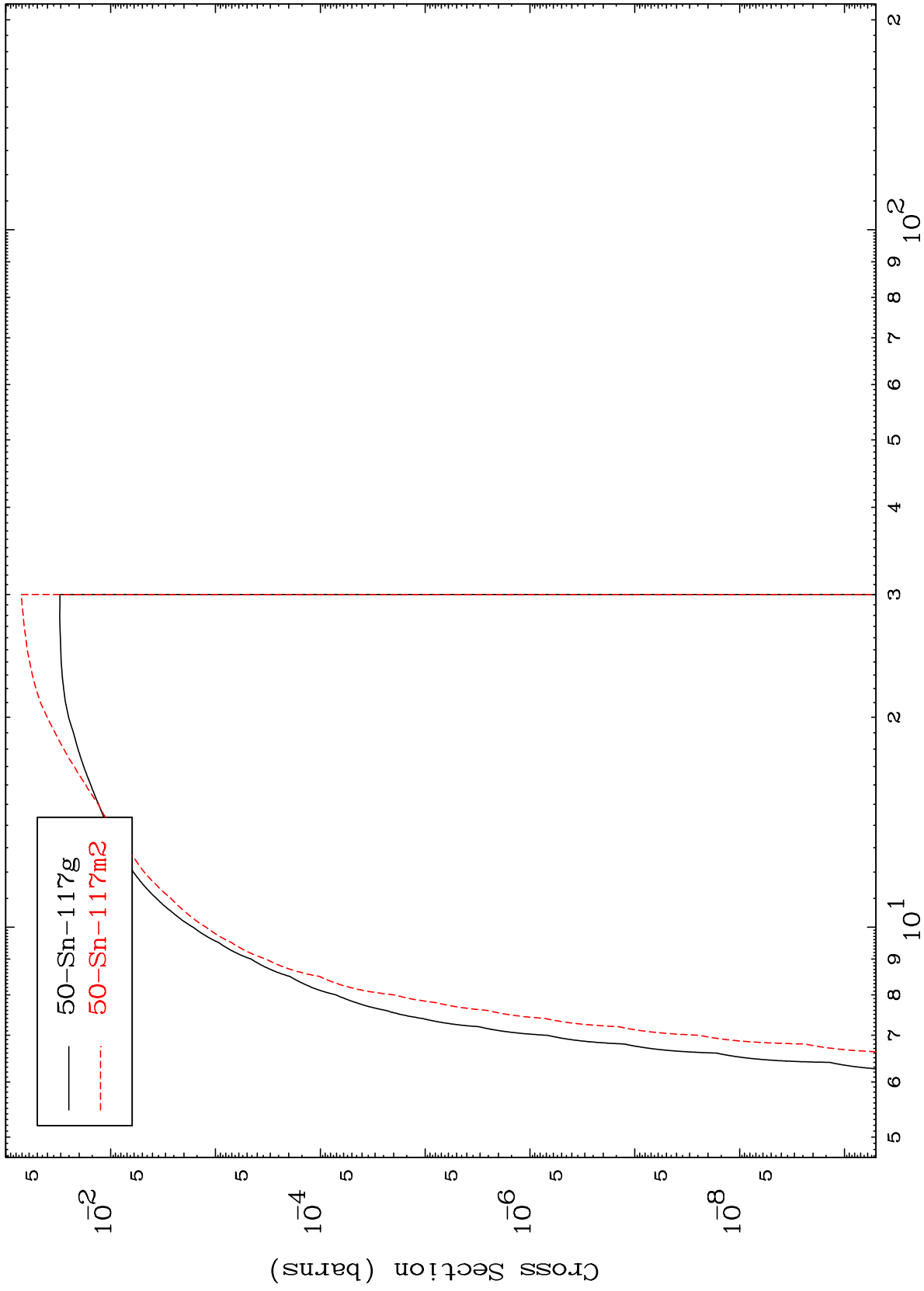
51-Sb-118

MAT 5116

(n,n') p

51-Sb-118

Radionuclide Production Cross Section



128

Incident Energy (MeV)

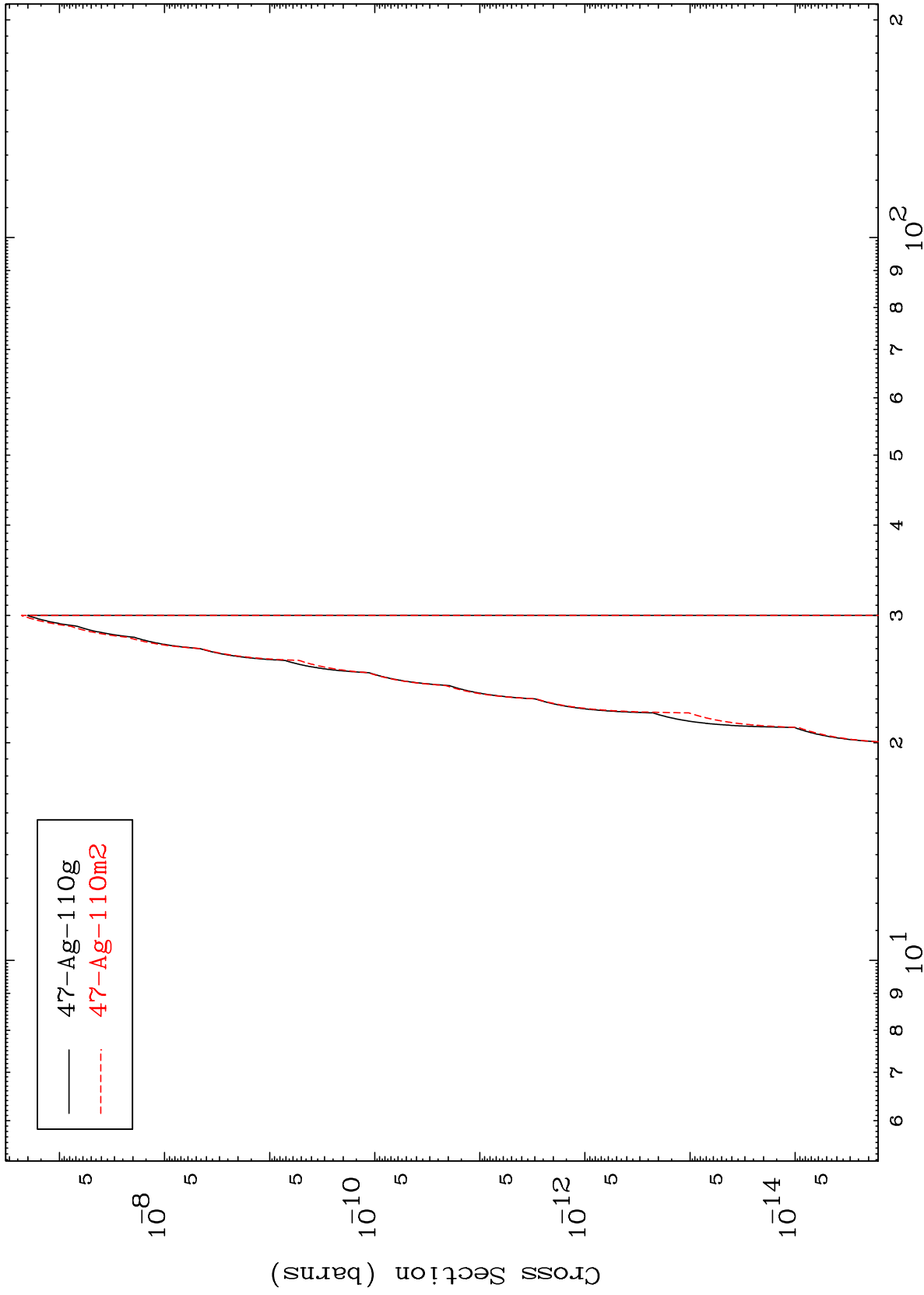
51-Sb-118

MAT 5116

(n,n') 2 α

51-Sb-118

Radionuclide Production Cross Section



47-Ag-110g
47-Ag-110m2

129

Incident Energy (MeV)

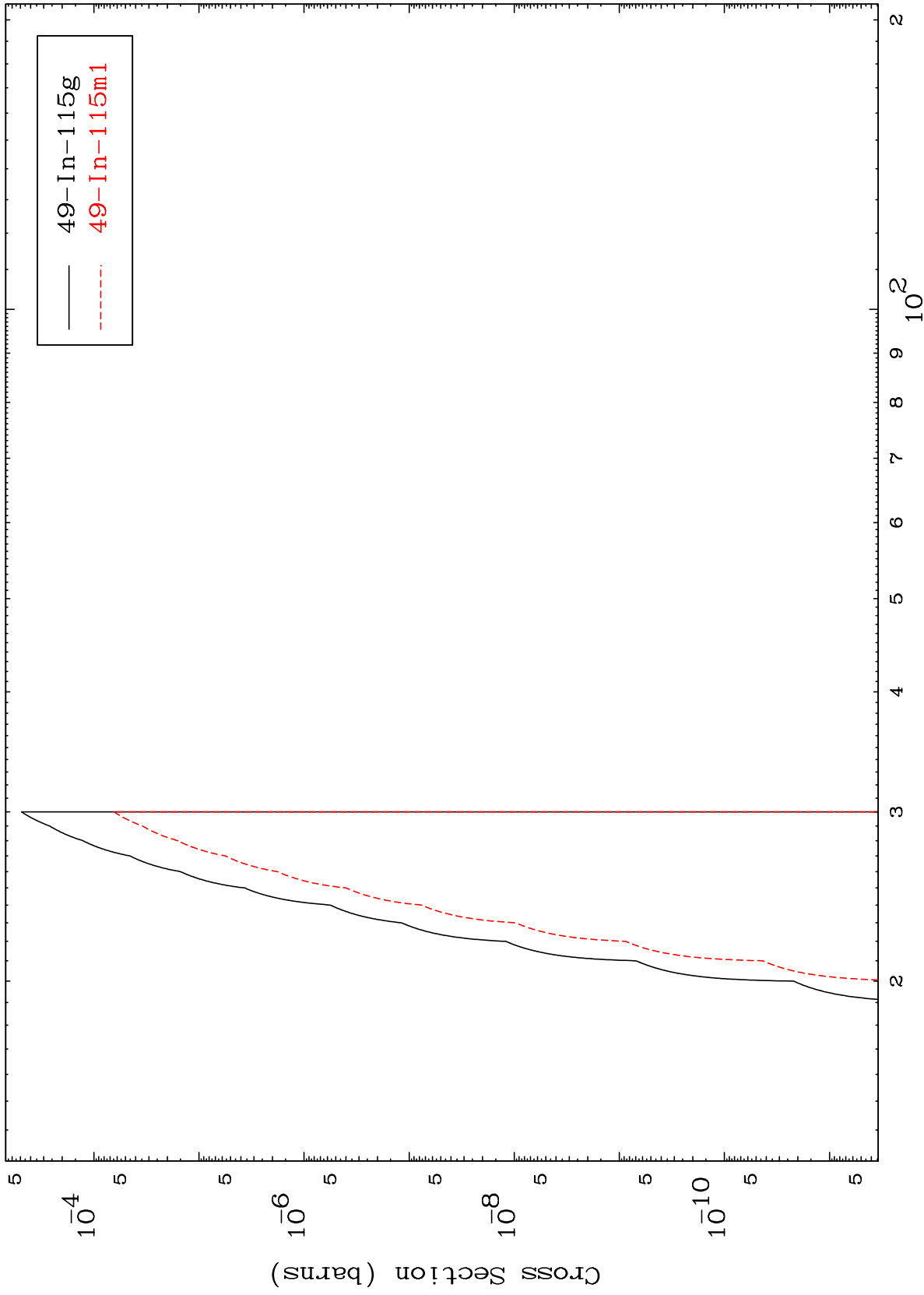
51-Sb-118

MAT 5116

(n, n') He-3

51-Sb-118

Radionuclide Production Cross Section



130

Incident Energy (MeV)

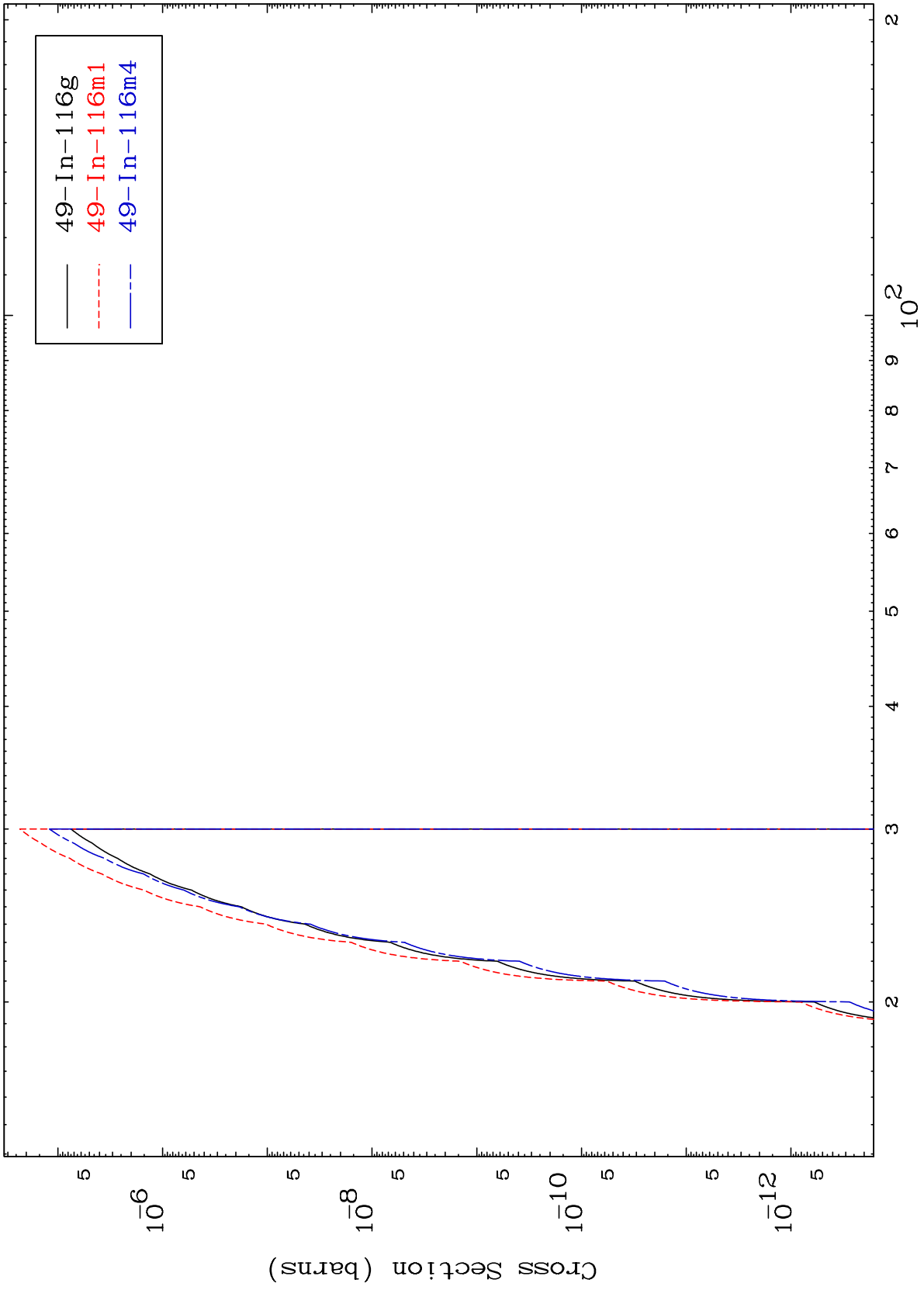
51-Sb-118

MAT 5116

(n,2n) p

51-Sb-118

Radionuclide Production Cross Section



131

Incident Energy (MeV)

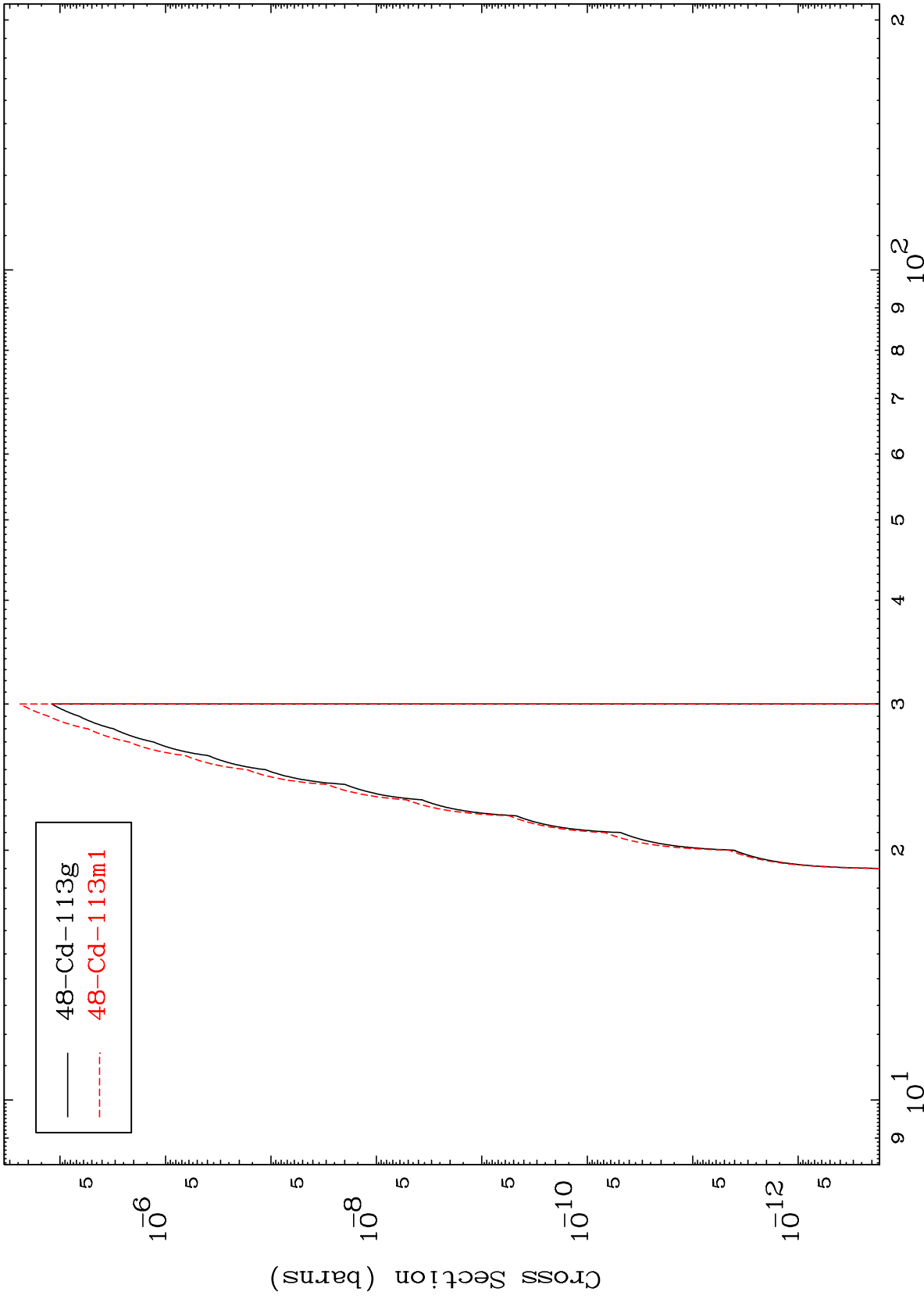
51-Sb-118

MAT 5116

(n,n') p α

51-Sb-118

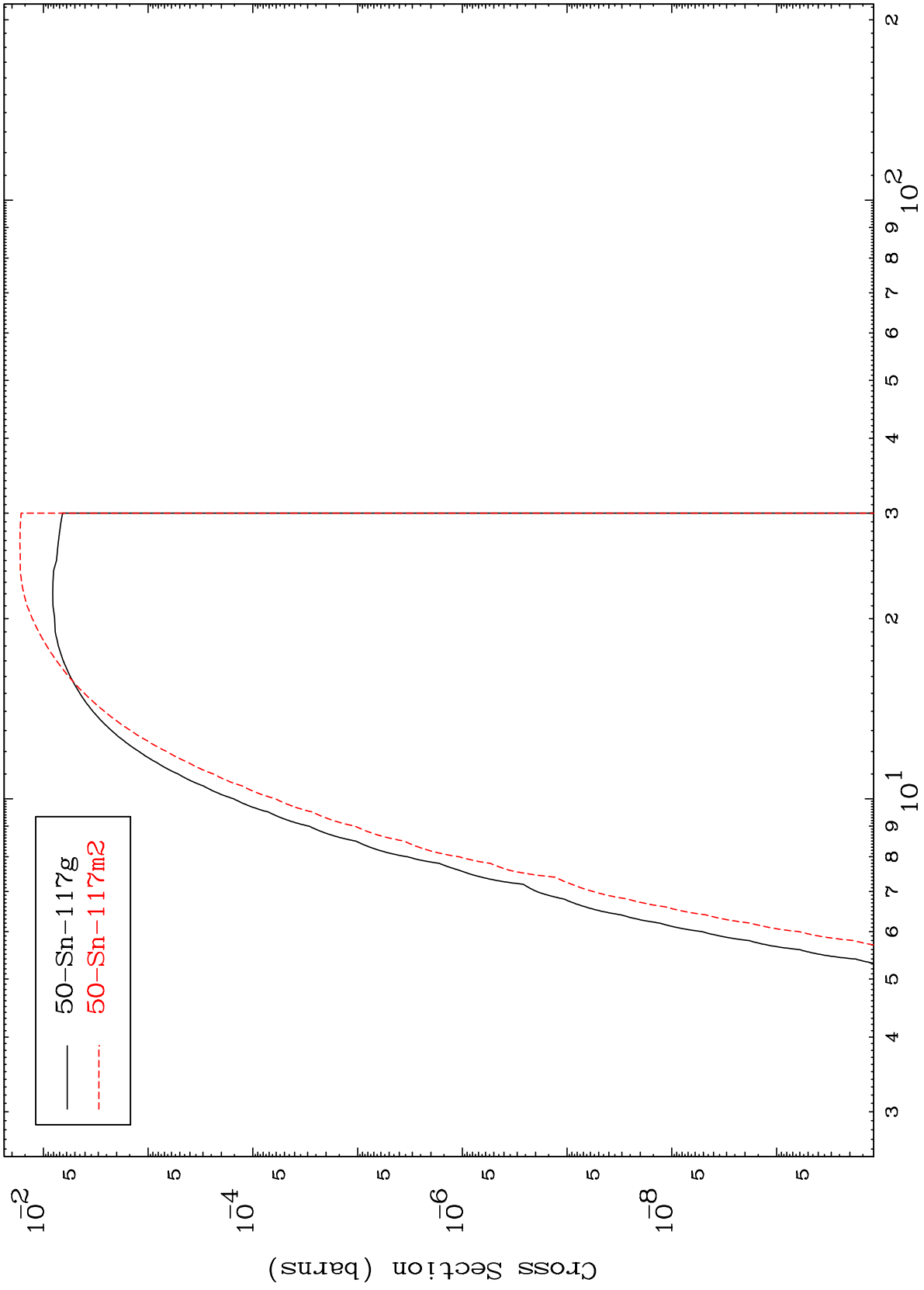
Radionuclide Production Cross Section



MAT 5116

51-Sb-118

(n,d)
Radionuclide Production Cross Section



133

Incident Energy (MeV)

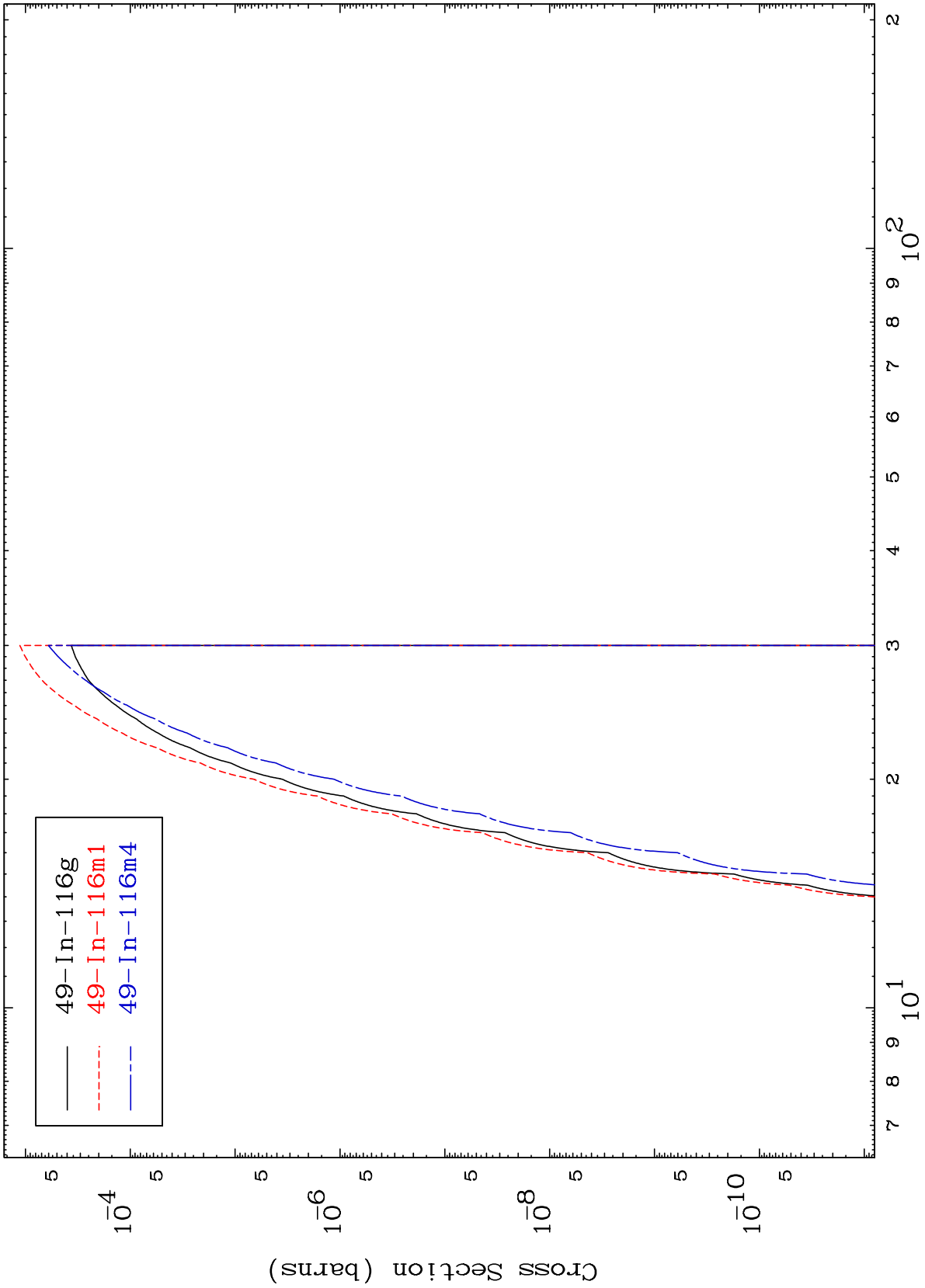
51-Sb-118

MAT 5116

(n,He-3)

51-Sb-118

Radionuclide Production Cross Section



134

Incident Energy (MeV)

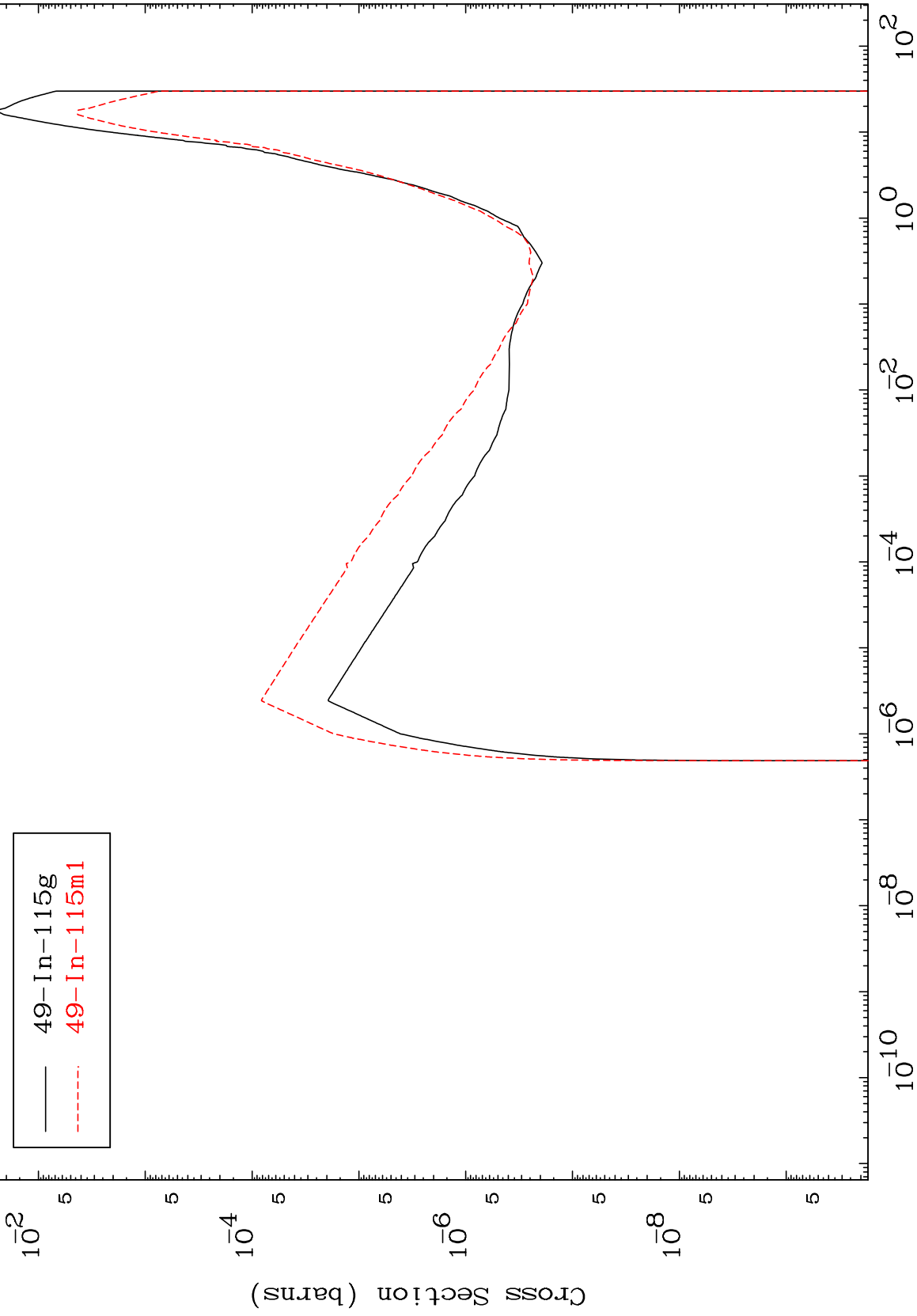
51-Sb-118

MAT 5116

(n,α)

51-Sb-118

Radionuclide Production Cross Section



— 49-In-115g
- - - 49-In-115m1

135

Incident Energy (MeV)

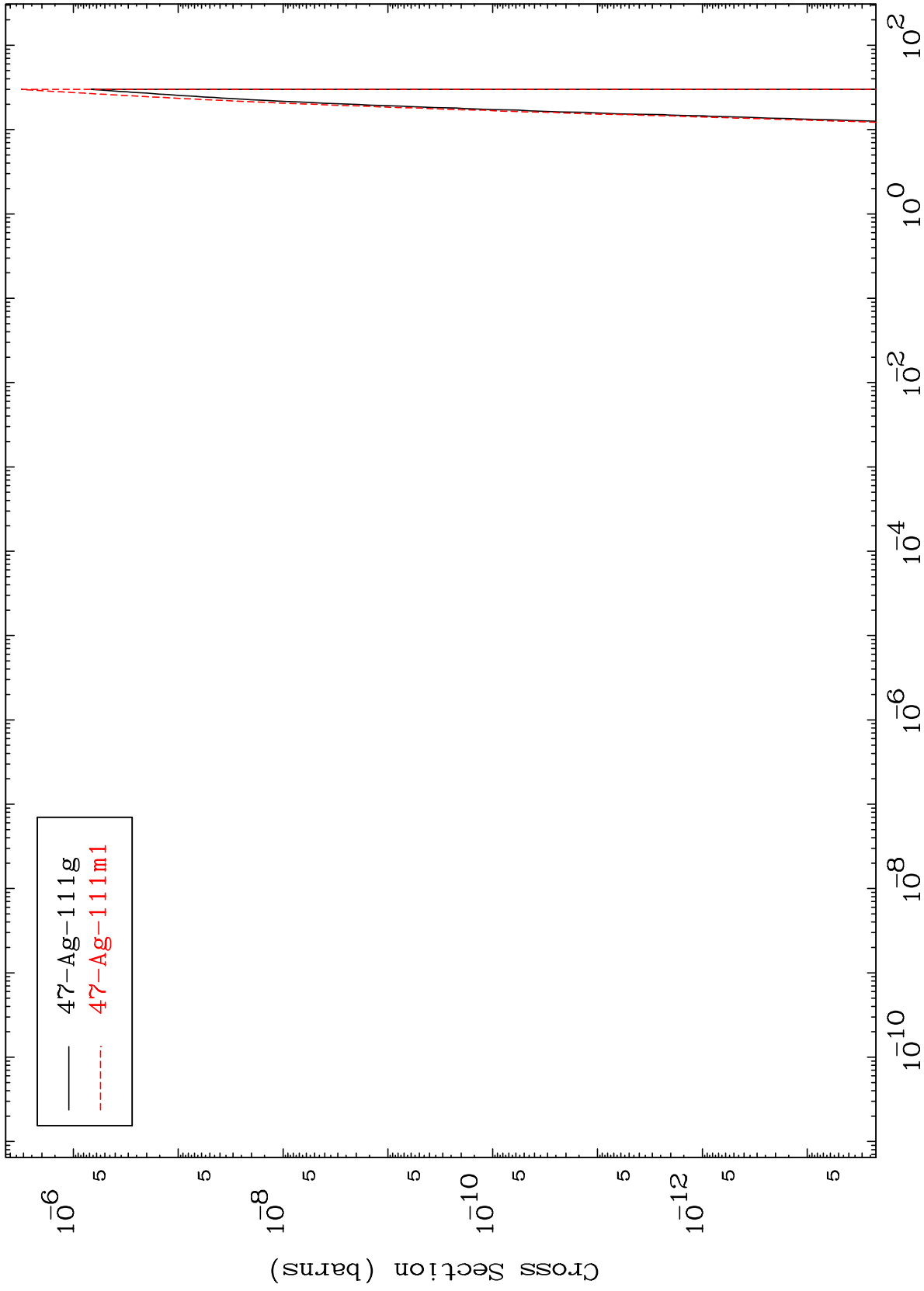
51-Sb-118

MAT 5116

(n,2α)

51-Sb-118

Radionuclide Production Cross Section



136

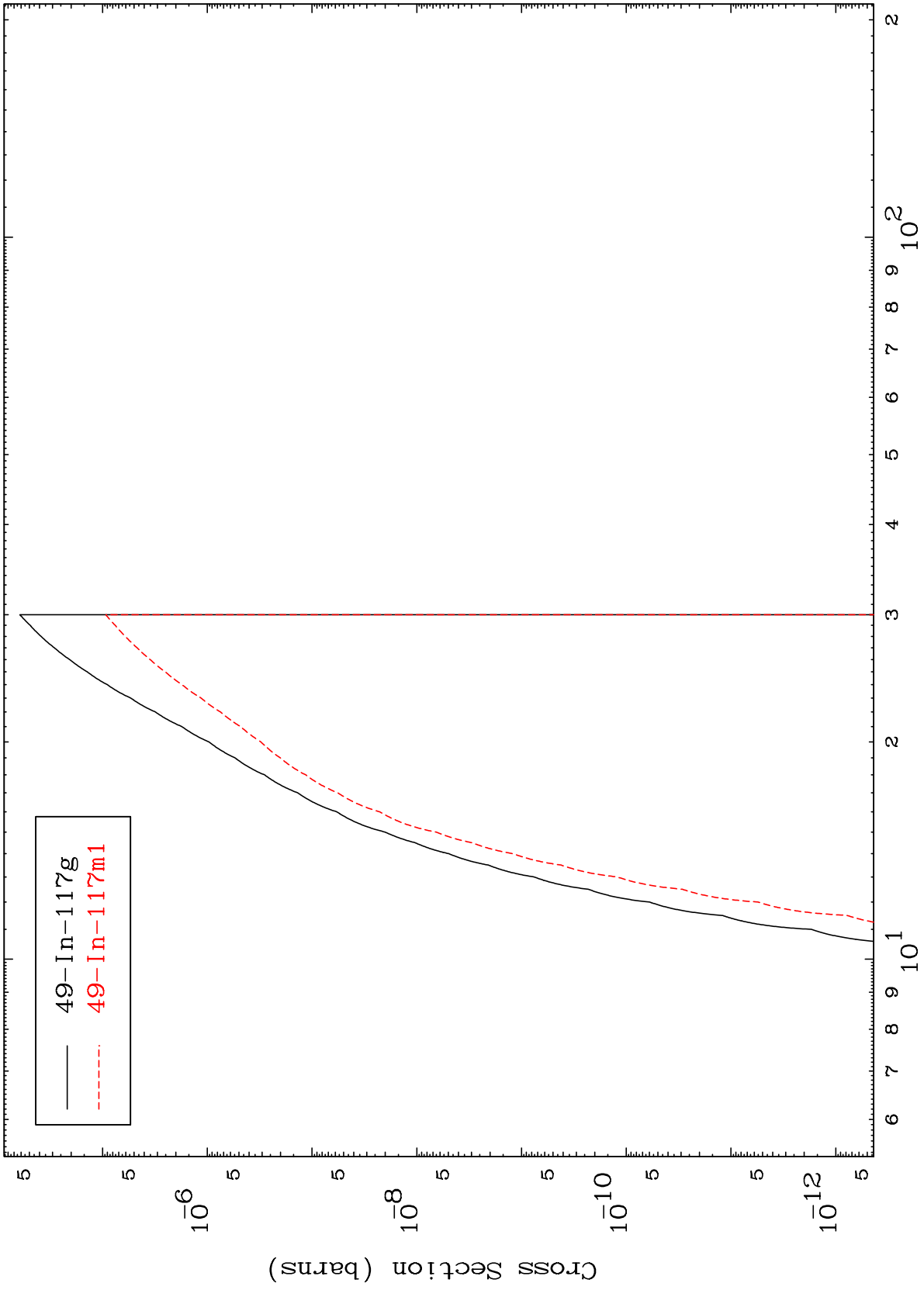
Incident Energy (MeV)

51-Sb-118

MAT 5116

51-Sb-118

Radionuclide Production Cross Section (n,2p)



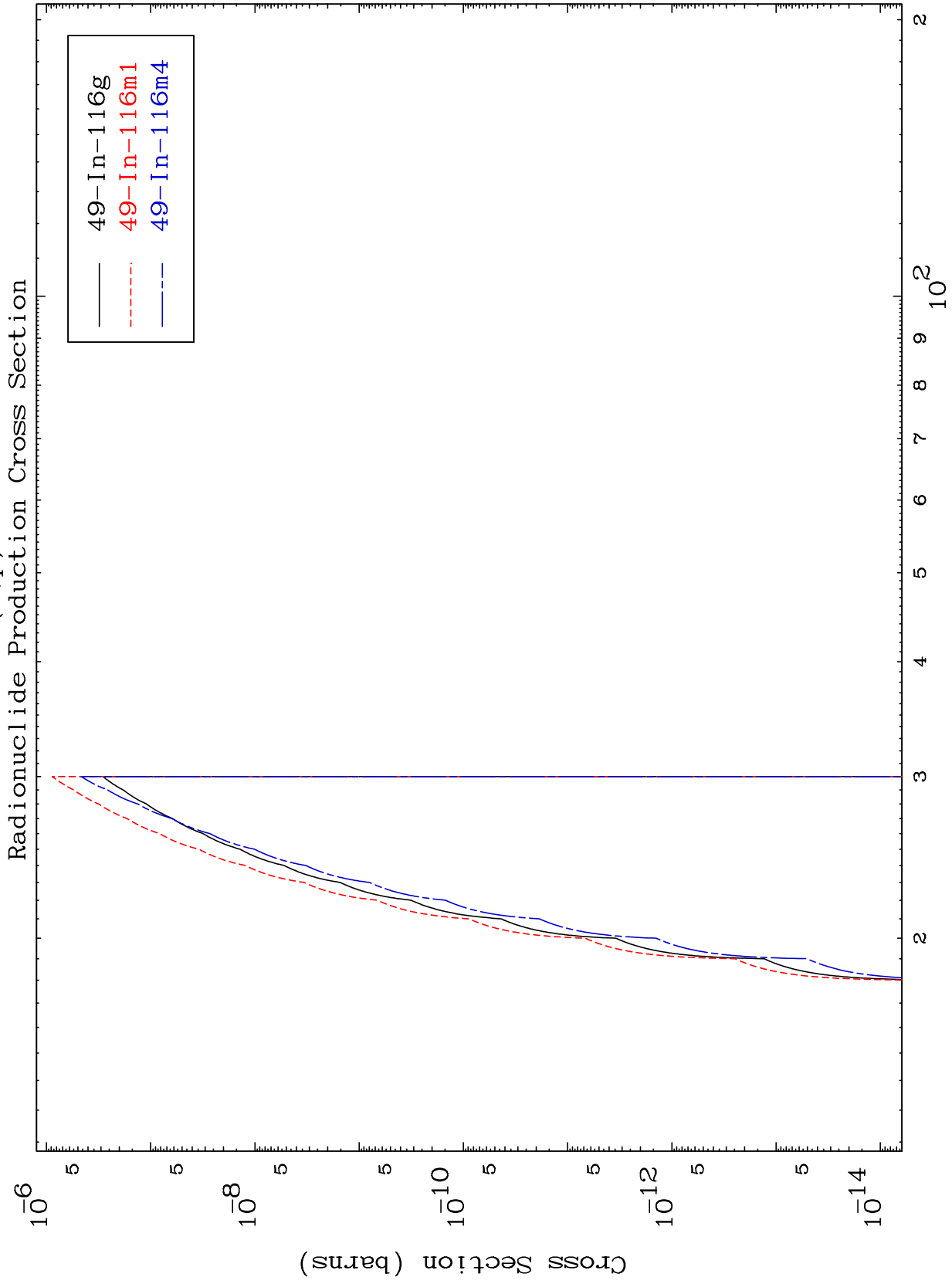
137

51-Sb-118

MAT 5116

(n,p) d

51-Sb-118



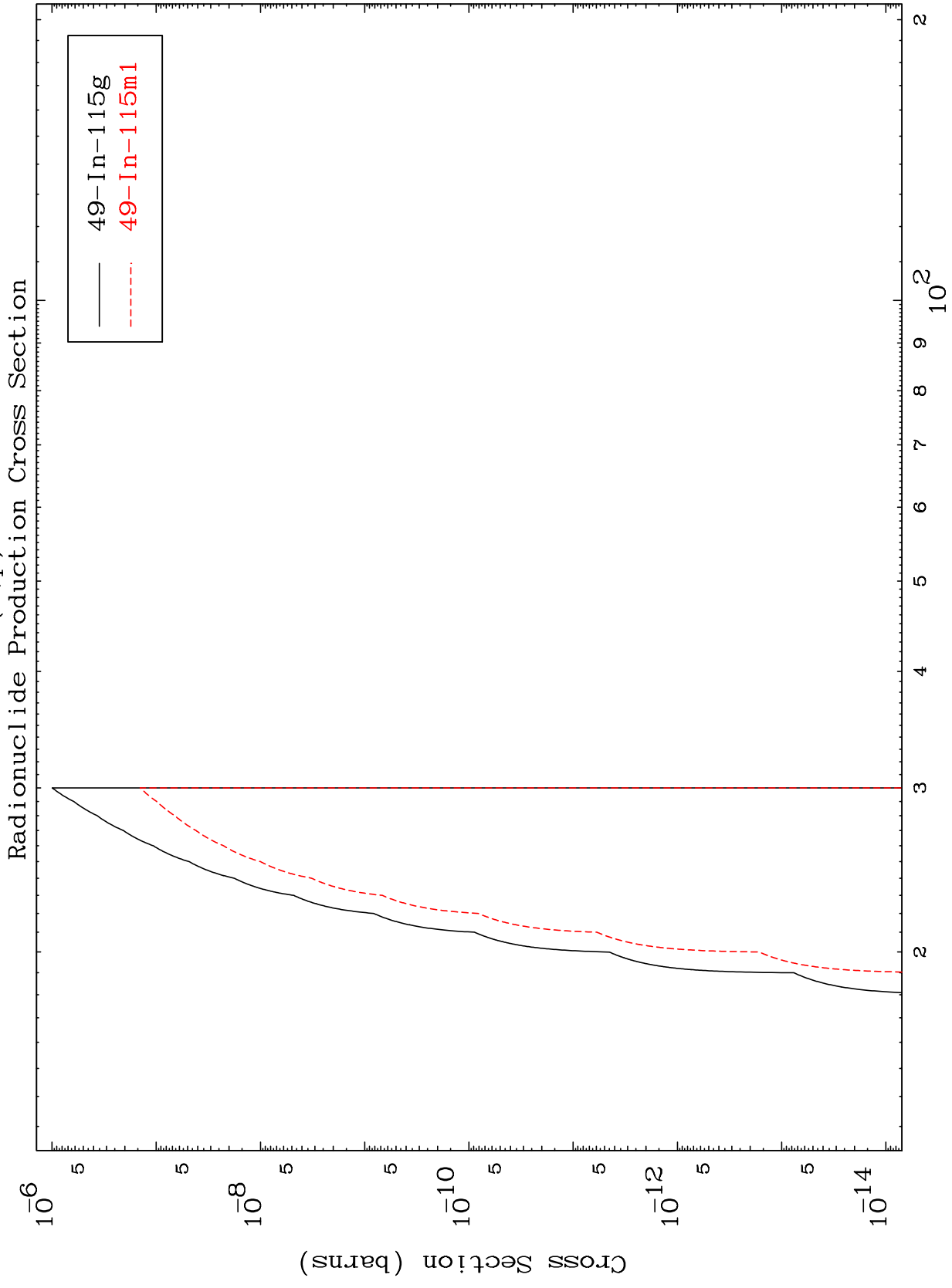
138

51-Sb-118

MAT 5116

(n,p) t

51-Sb-118



139

Incident Energy (MeV)

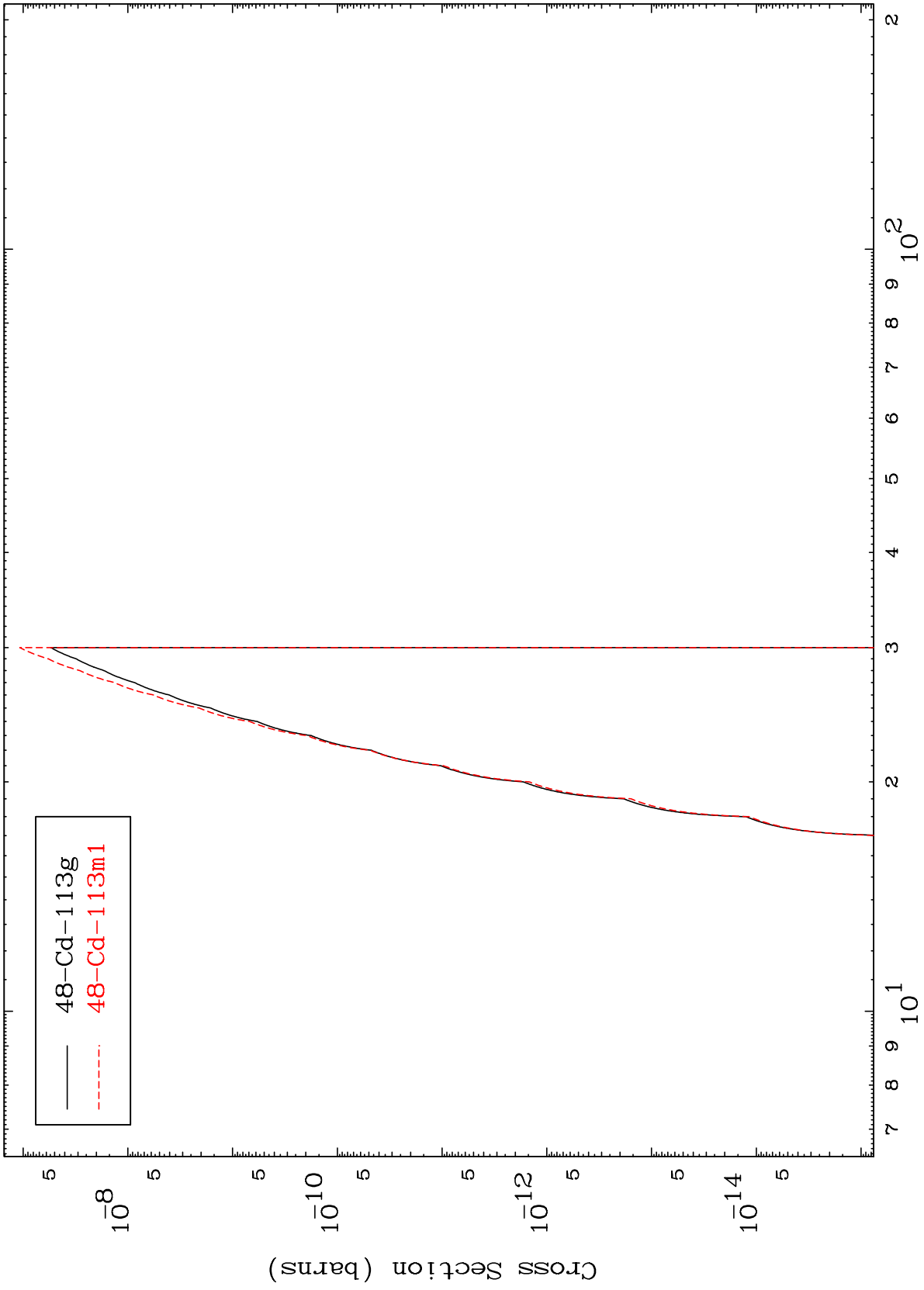
51-Sb-118

MAT 5116

(n,d) α

51-Sb-118

Radionuclide Production Cross Section



140

Incident Energy (MeV)

51-Sb-118