

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

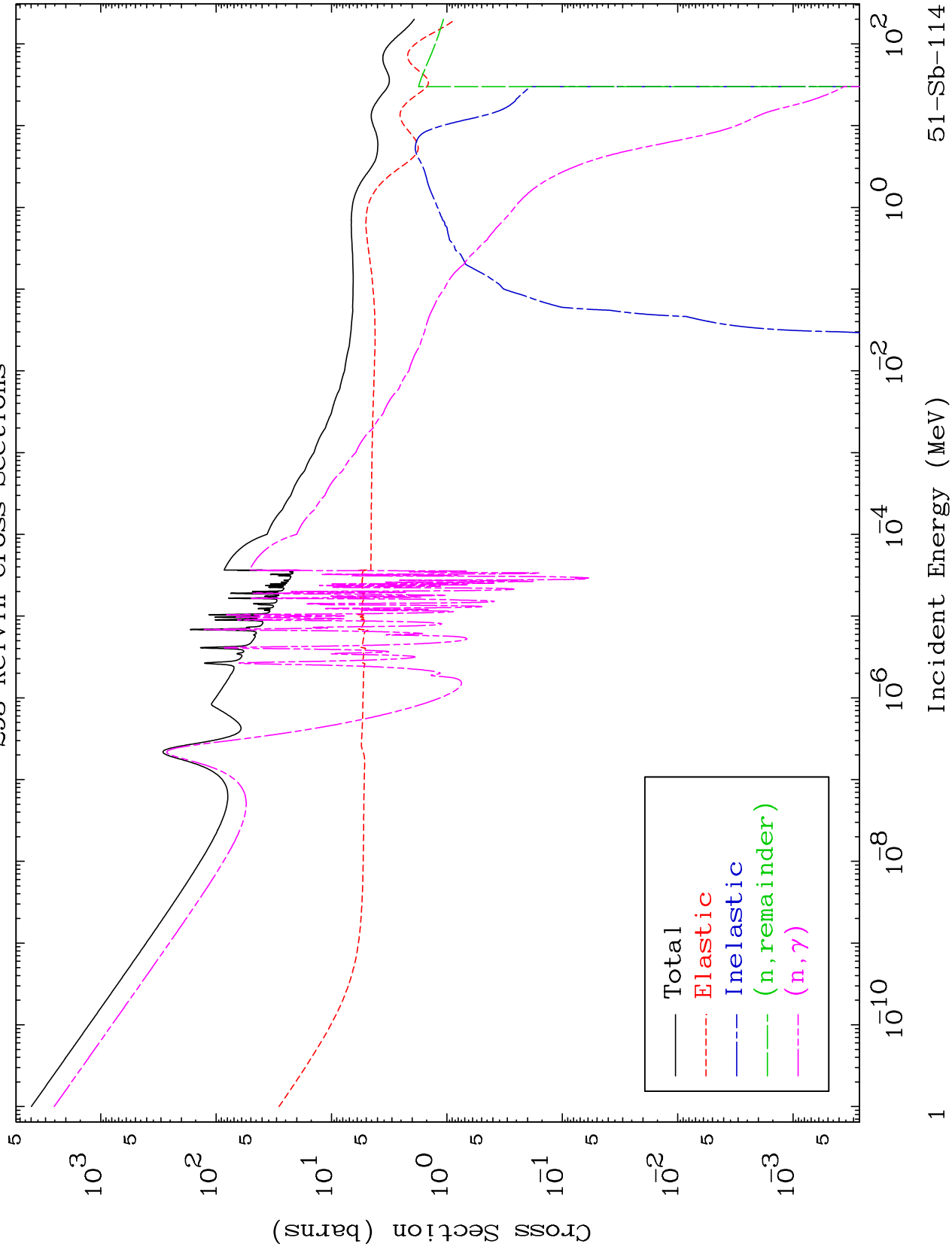
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5104

Major
293 Kelvin Cross Sections

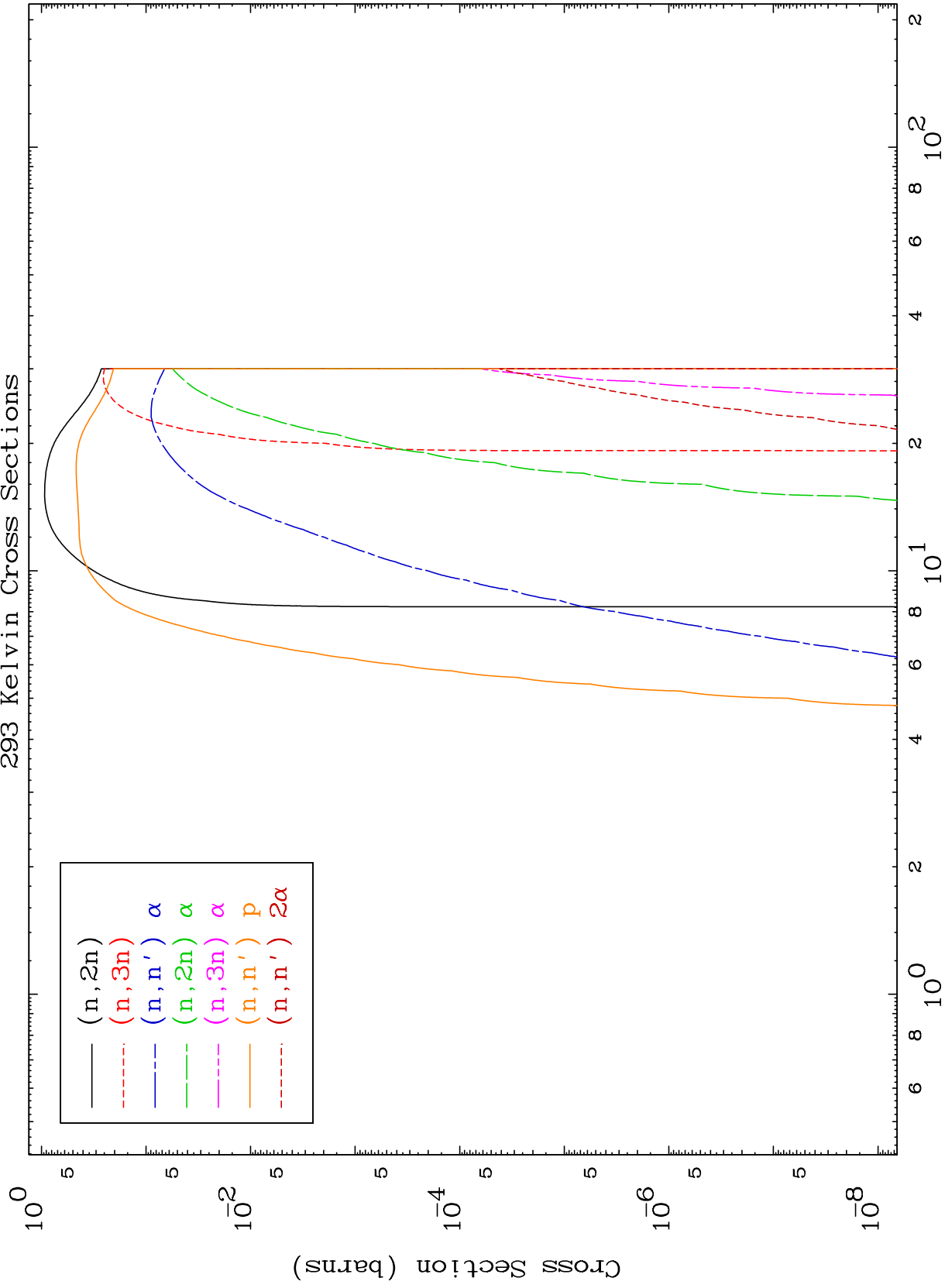
51-Sb-114



MAT 5104

Neutron Production
293 Kelvin Cross Sections

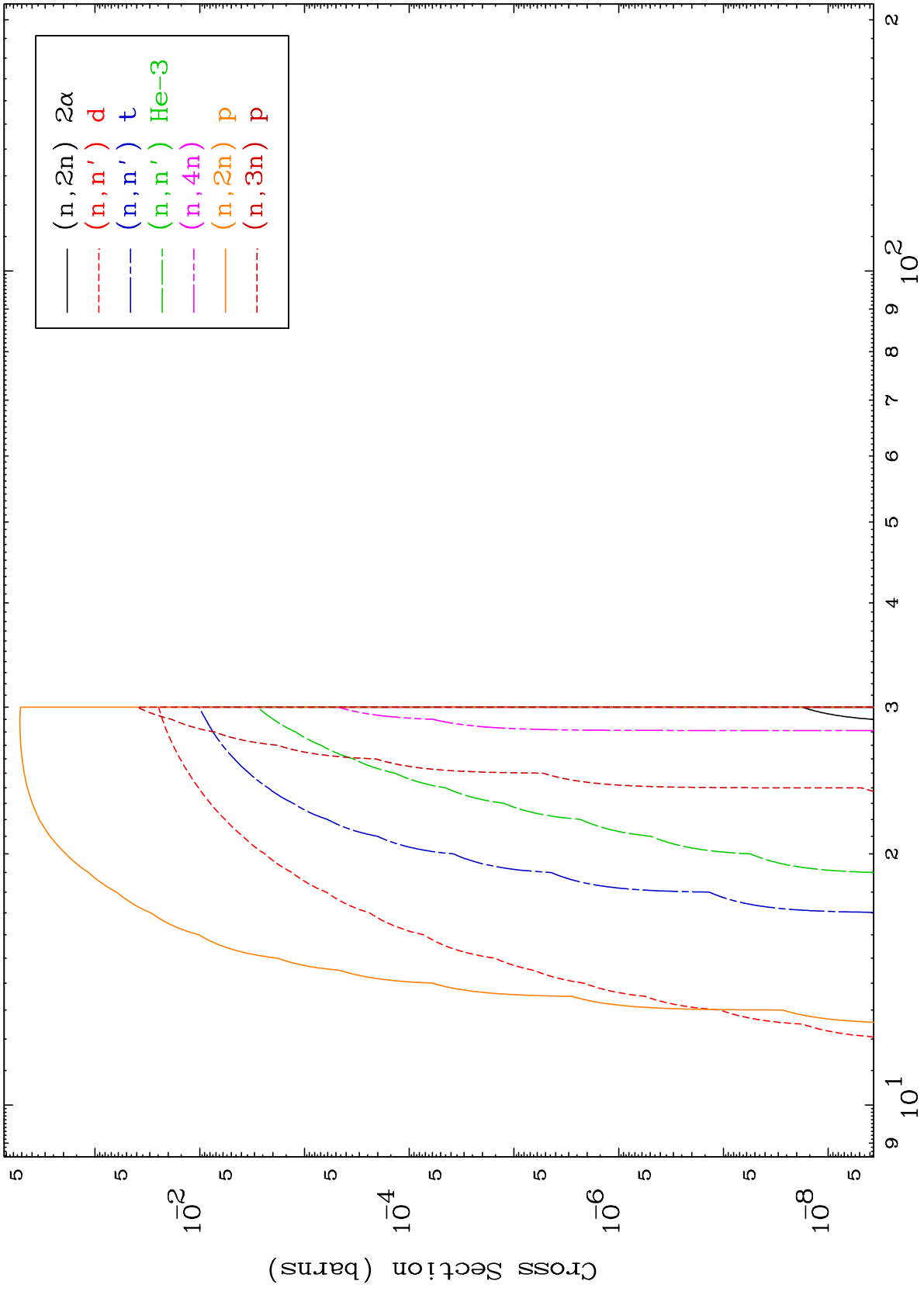
51-Sb-114

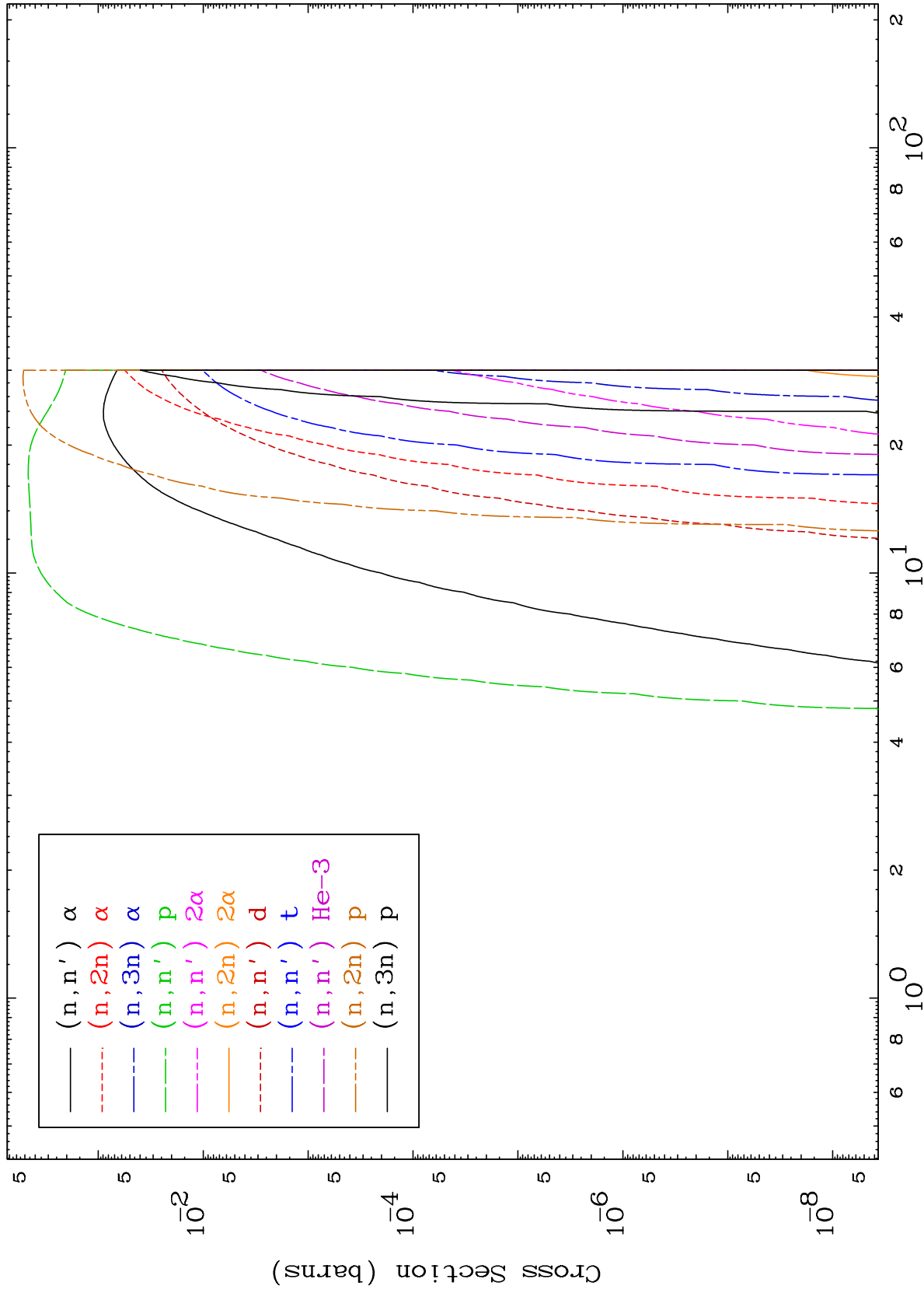


2

Incident Energy (MeV)

51-Sb-114

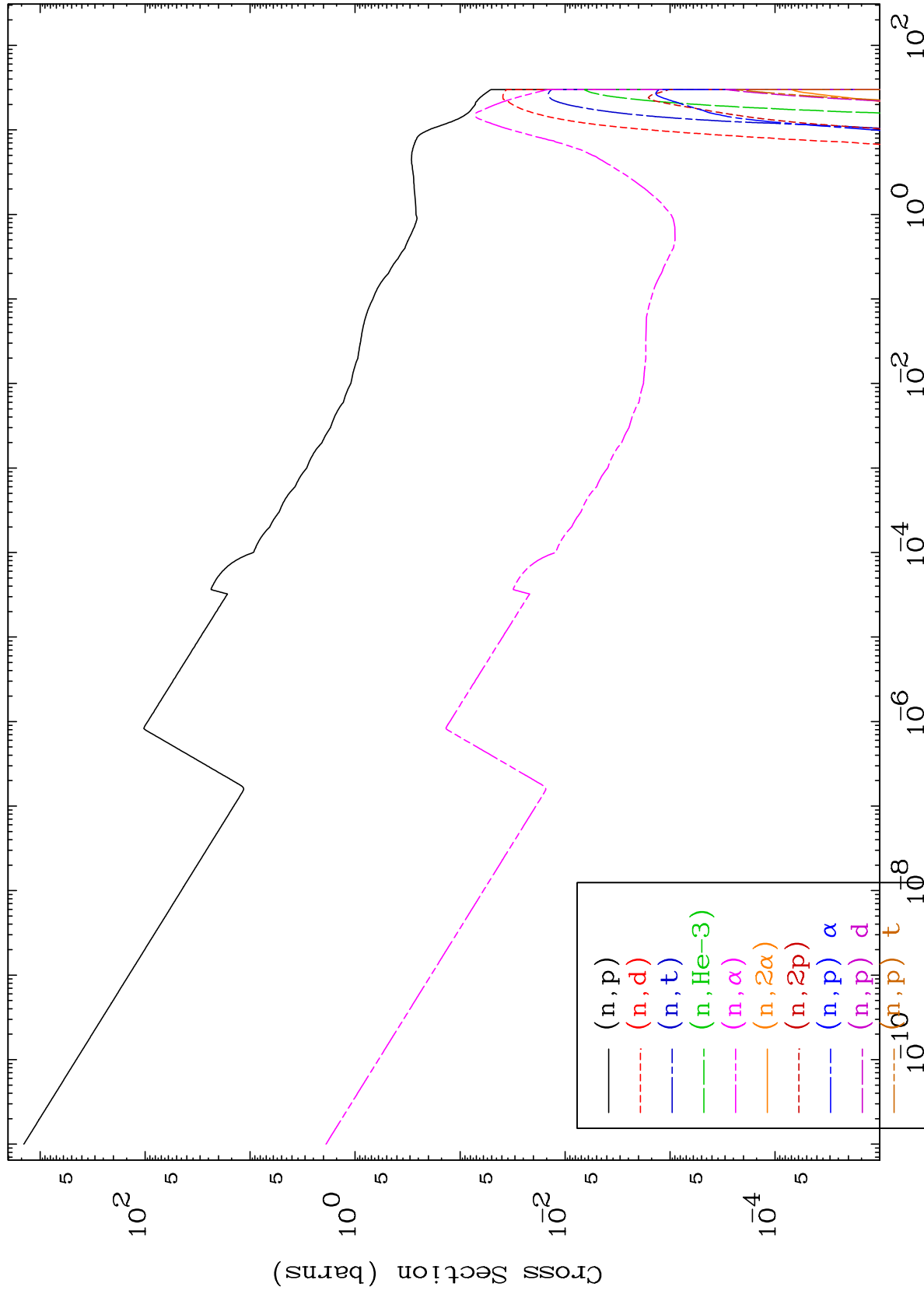




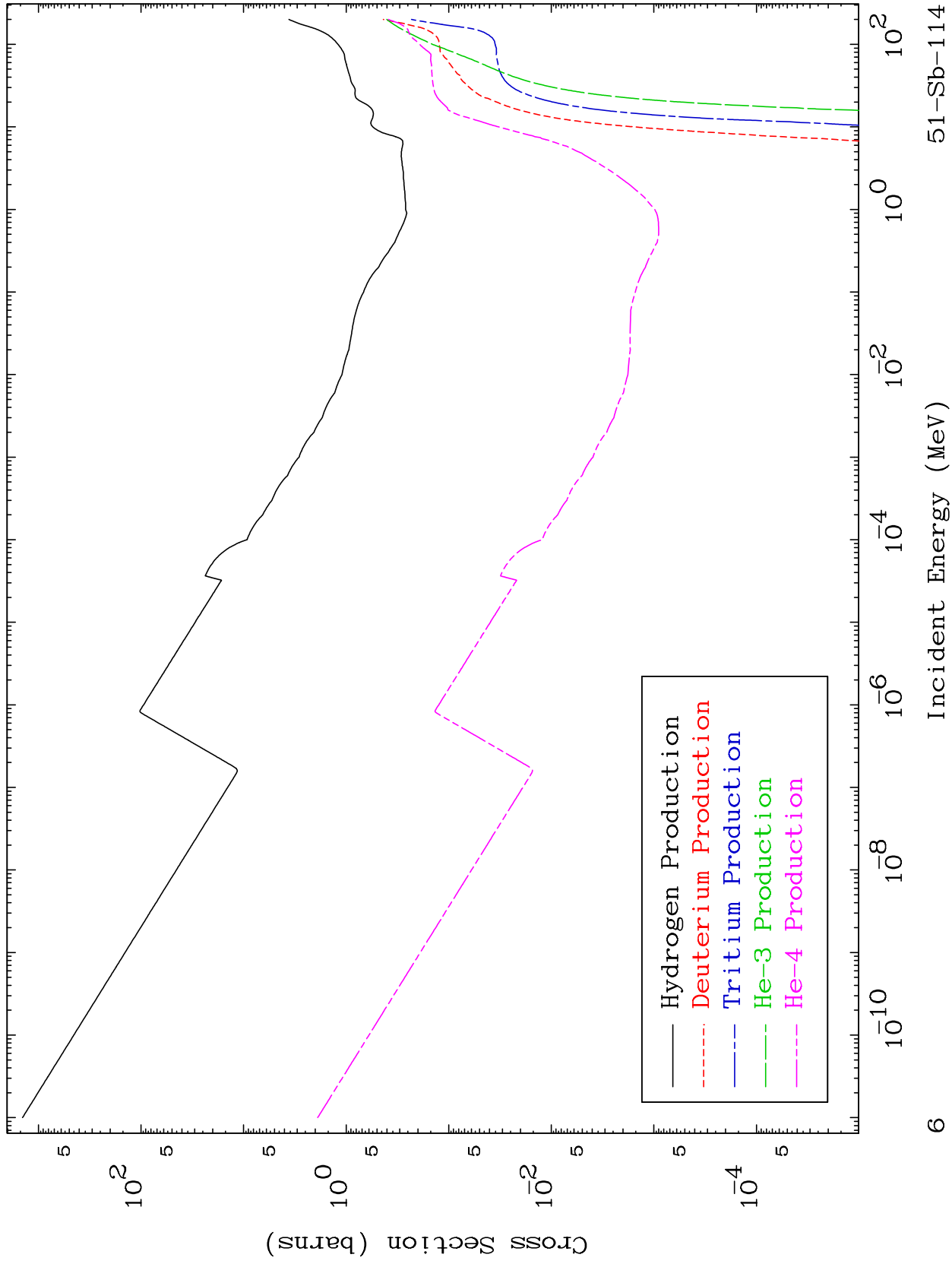
MAT 5104

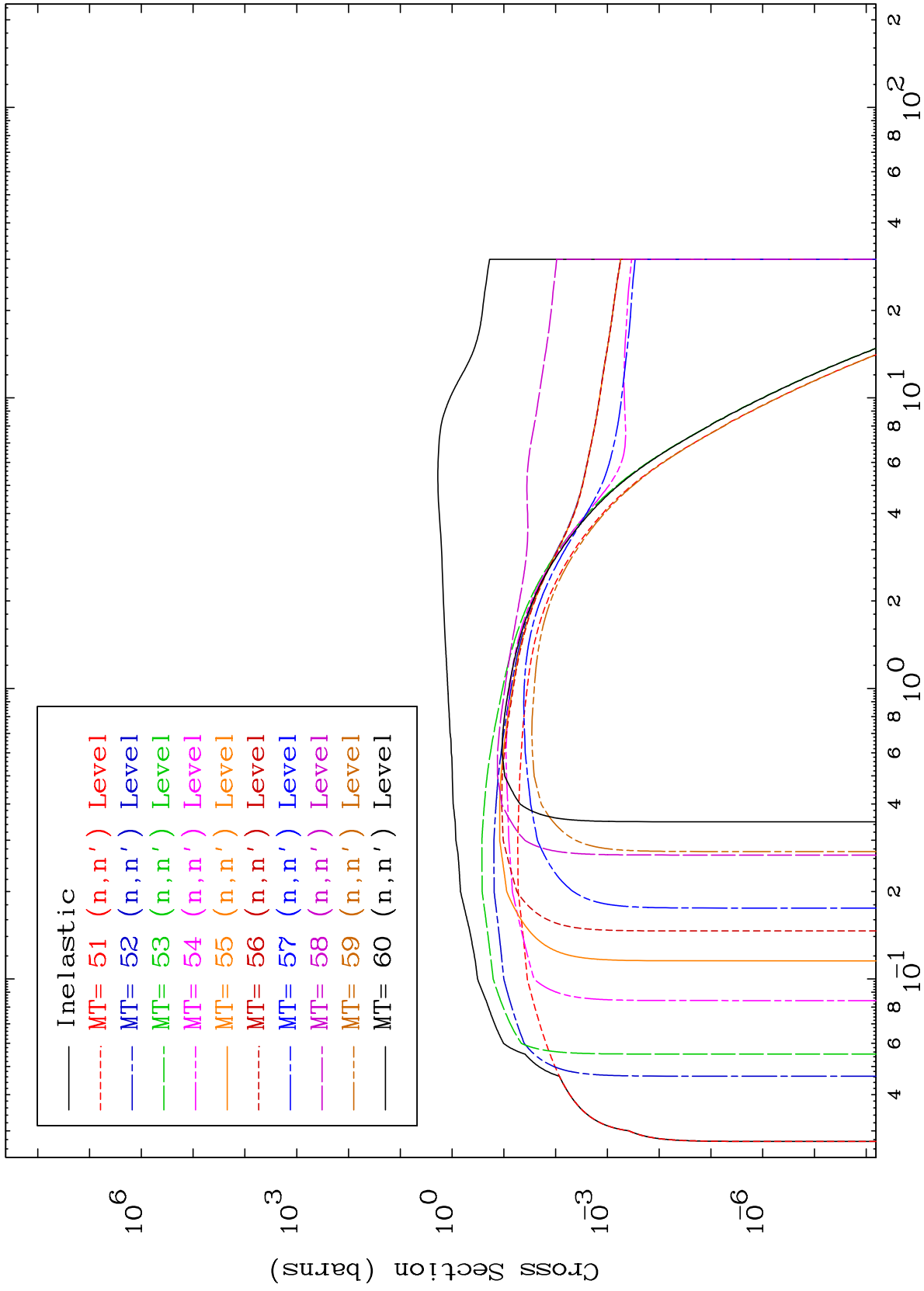
Charged Particle
293 Kelvin Cross Sections

51-Sb-114



5

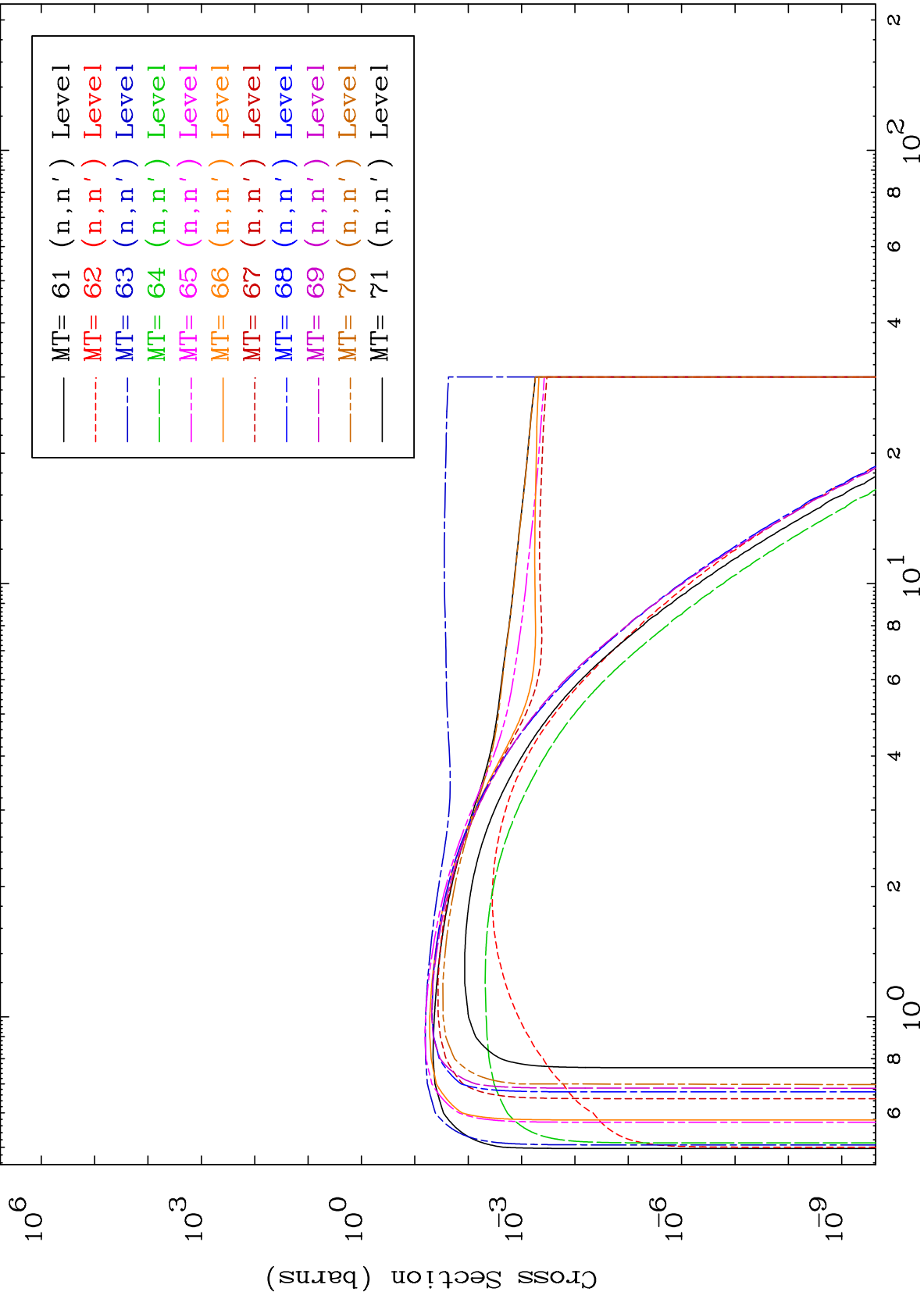




MAT 5104

(n,n') Level
293 Kelvin Cross Sections

51-Sb-114



8

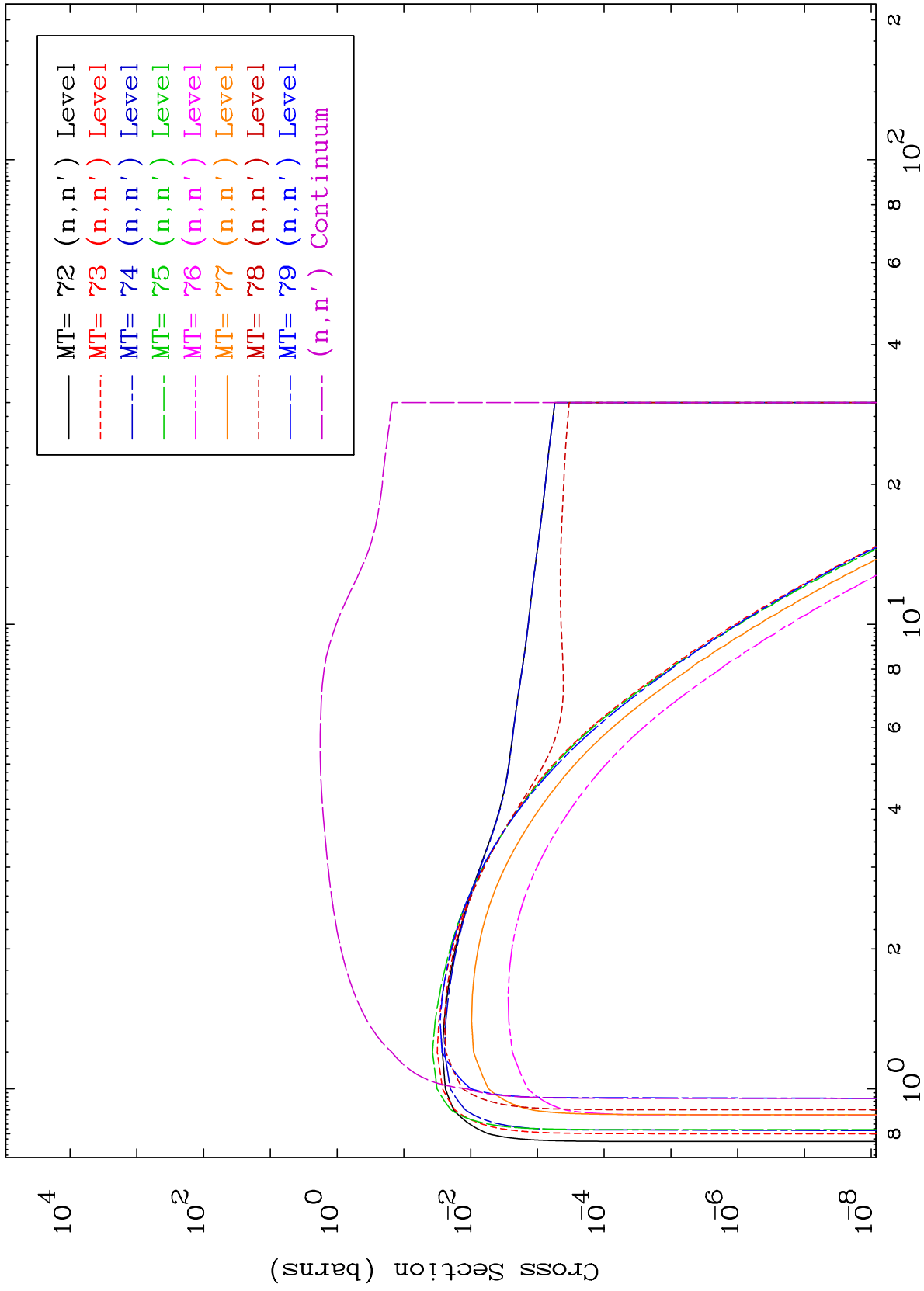
Incident Energy (MeV)

51-Sb-114

MAT 5104

(n,n') Level
293 Kelvin Cross Sections

51-Sb-114



9

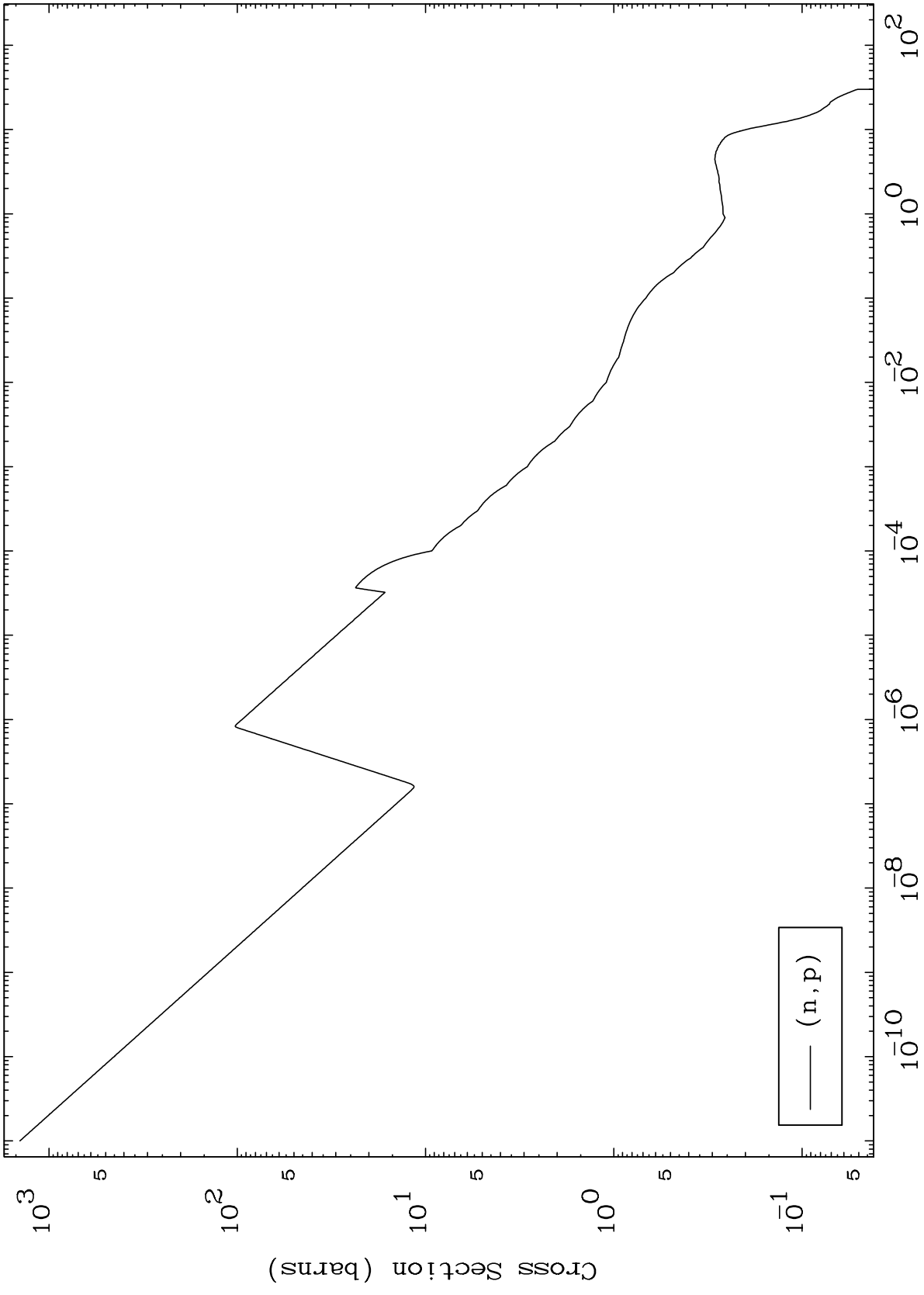
Incident Energy (MeV)

51-Sb-114

MAT 5104

(n,p) Levels
293 Kelvin Cross Sections

51-Sb-114



10

Incident Energy (MeV)

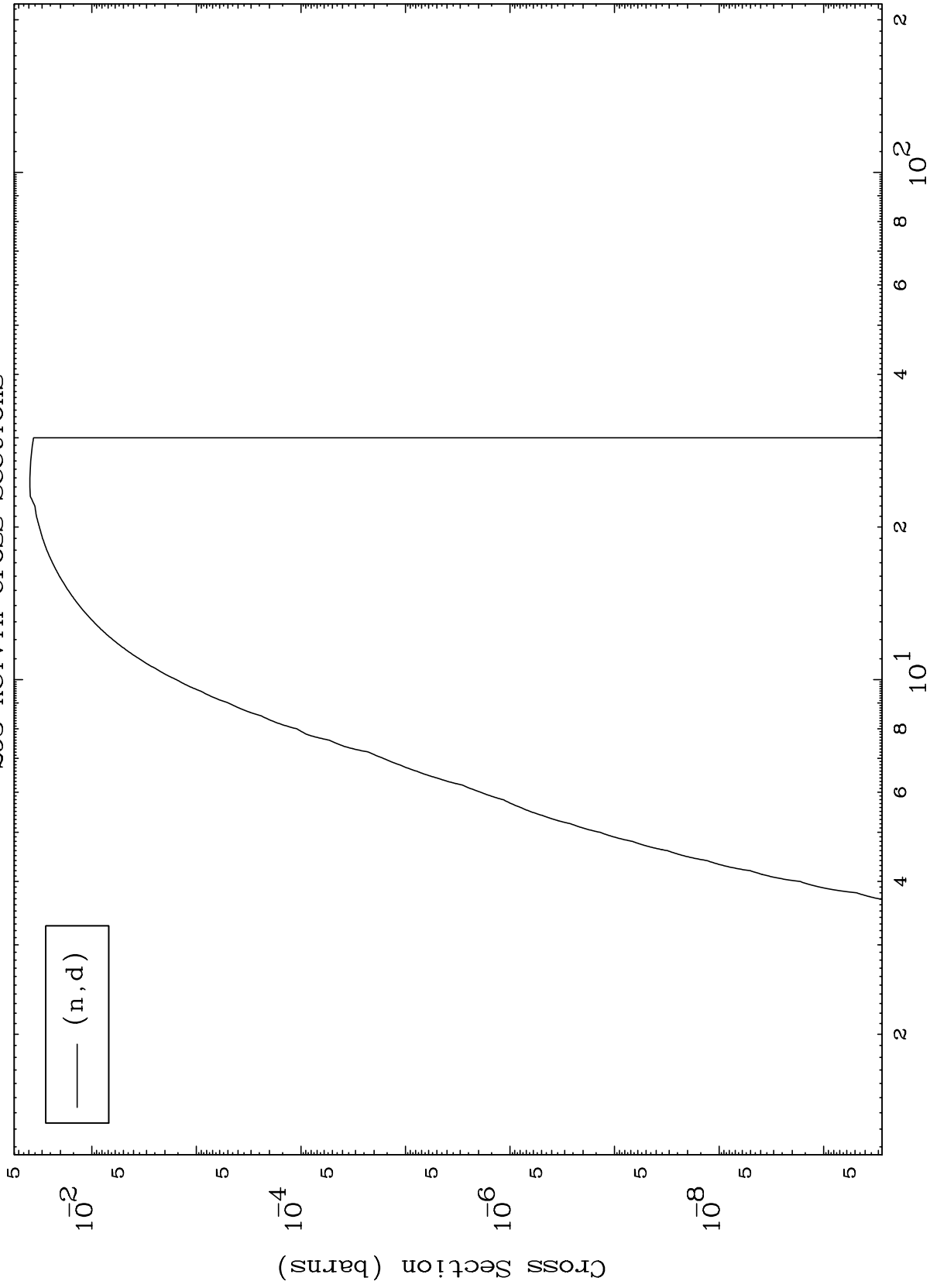
51-Sb-114

— (n,p)

MAT 5104

(n,d) Levels
293 Kelvin Cross Sections

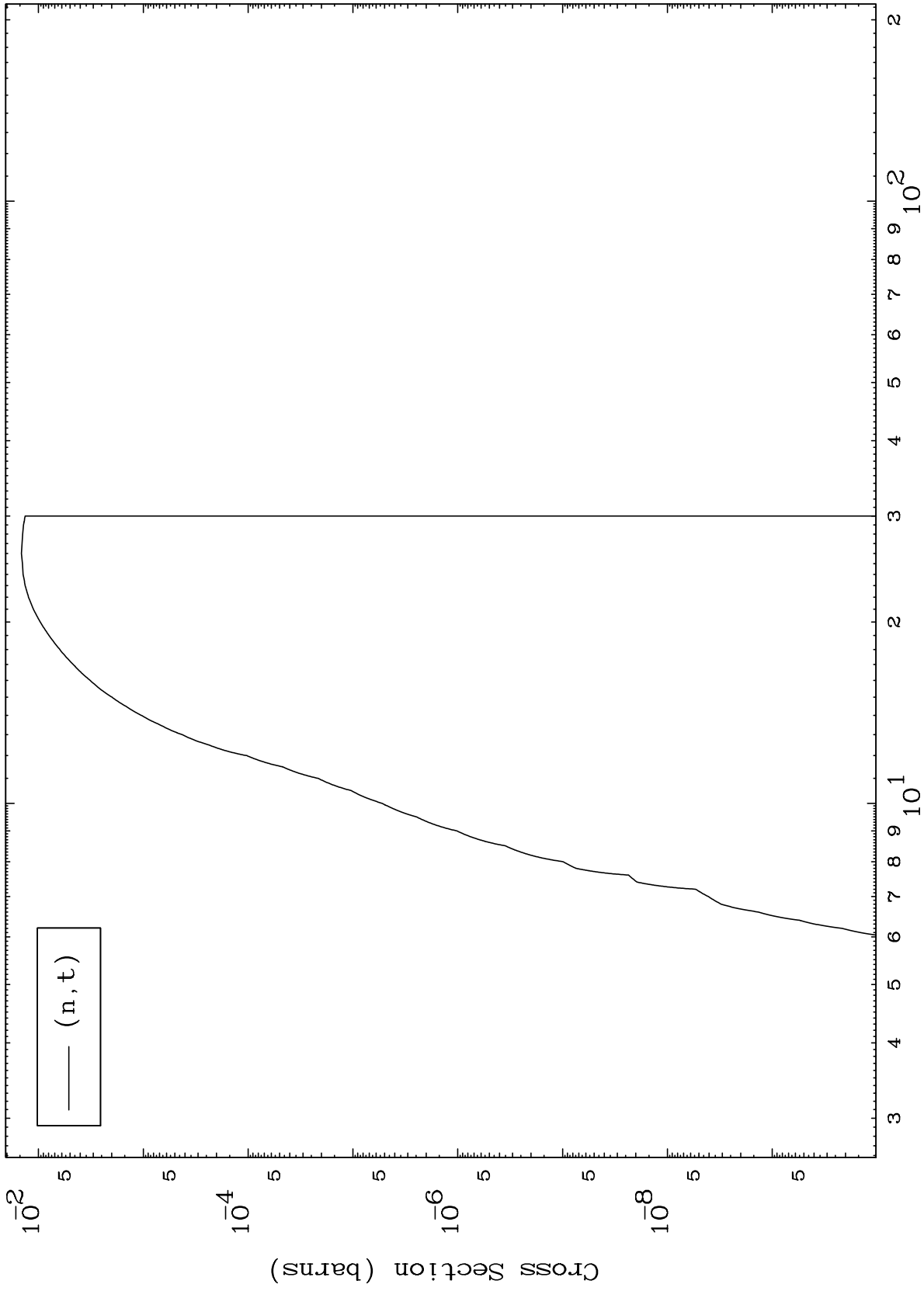
51-Sb-114



MAT 5104

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-114



12

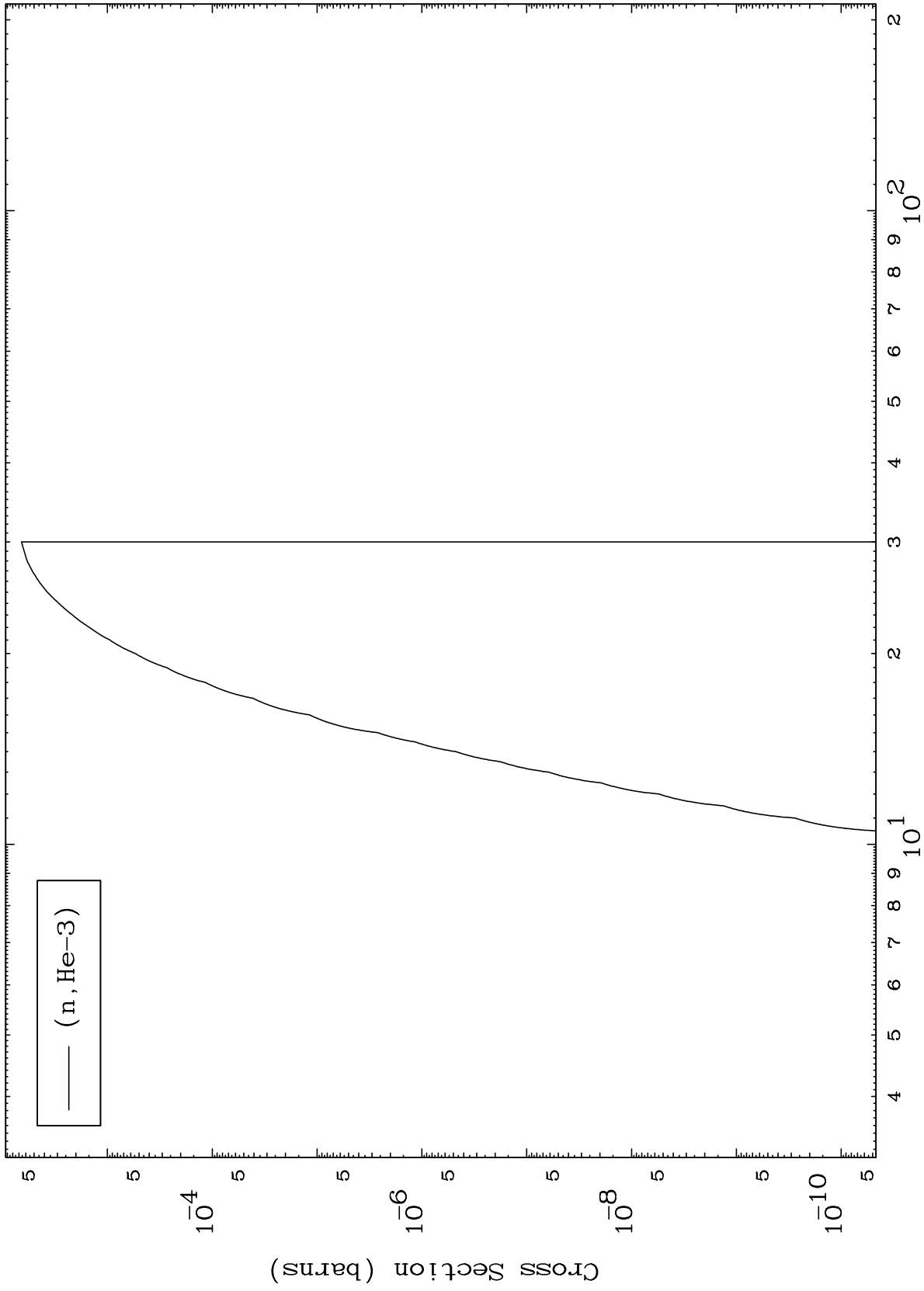
Incident Energy (MeV)

51-Sb-114

MAT 5104

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-114



13

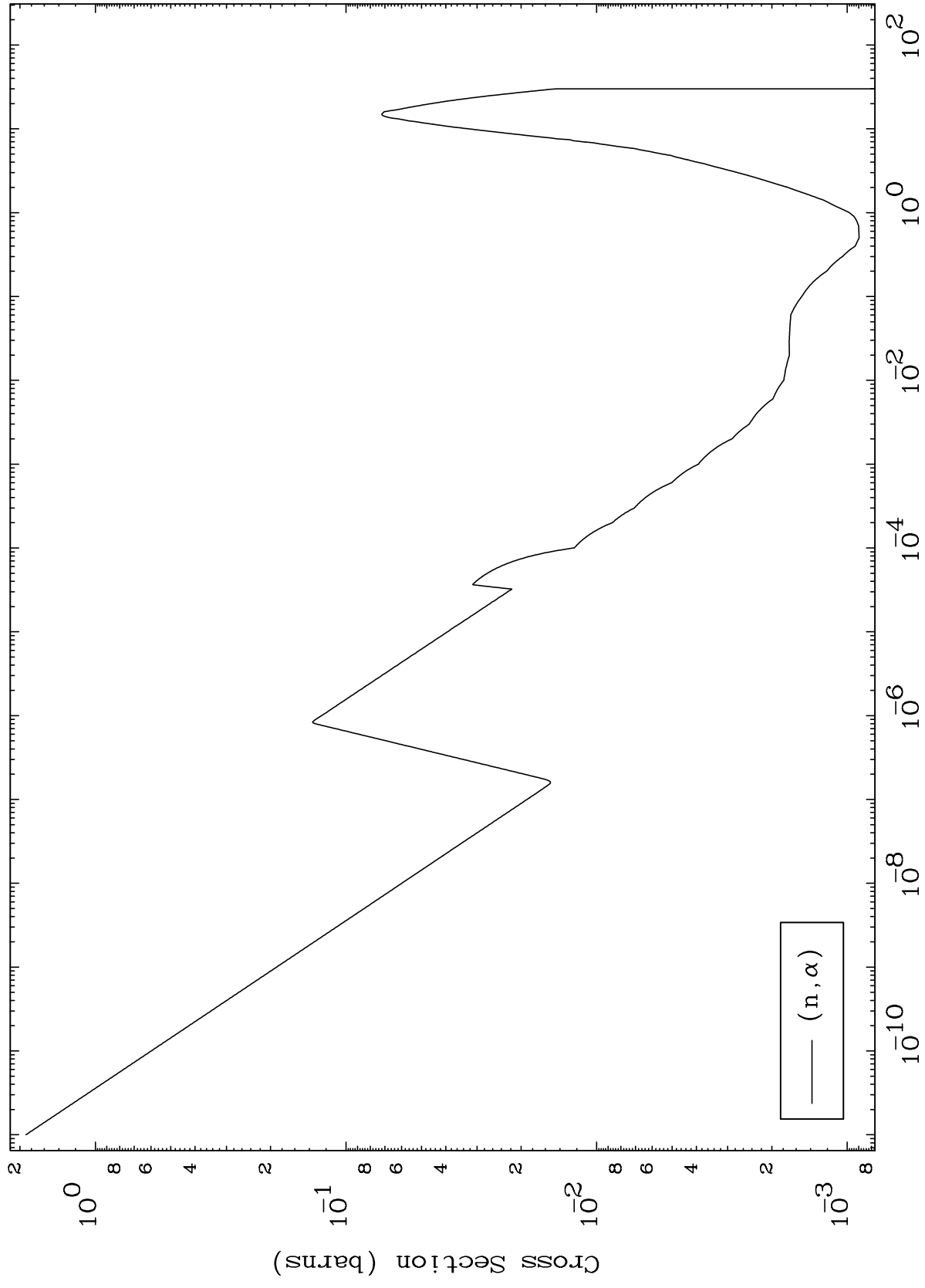
Incident Energy (MeV)

51-Sb-114

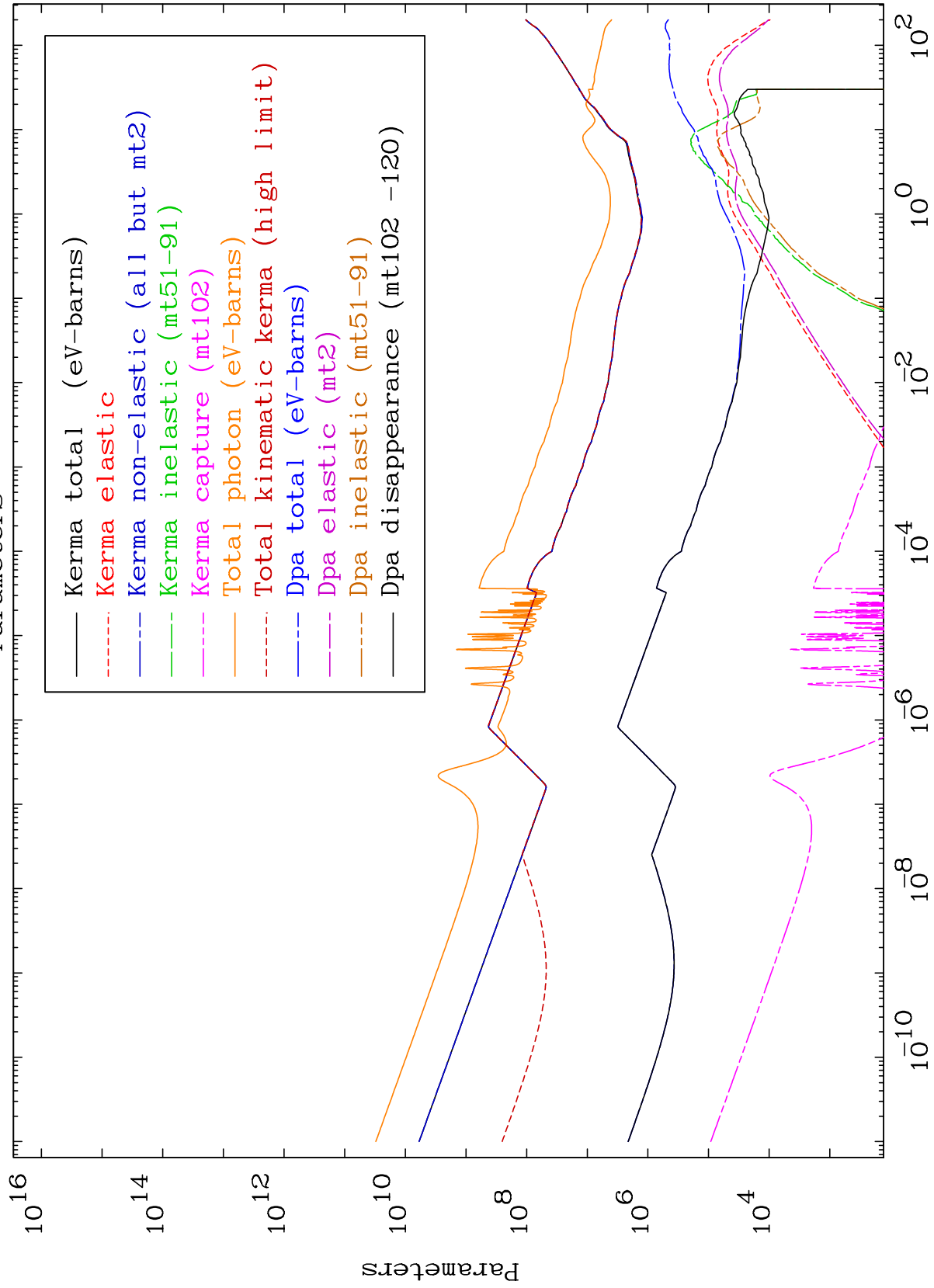
MAT 5104

(n,α) Levels
293 Kelvin Cross Sections

51-Sb-114



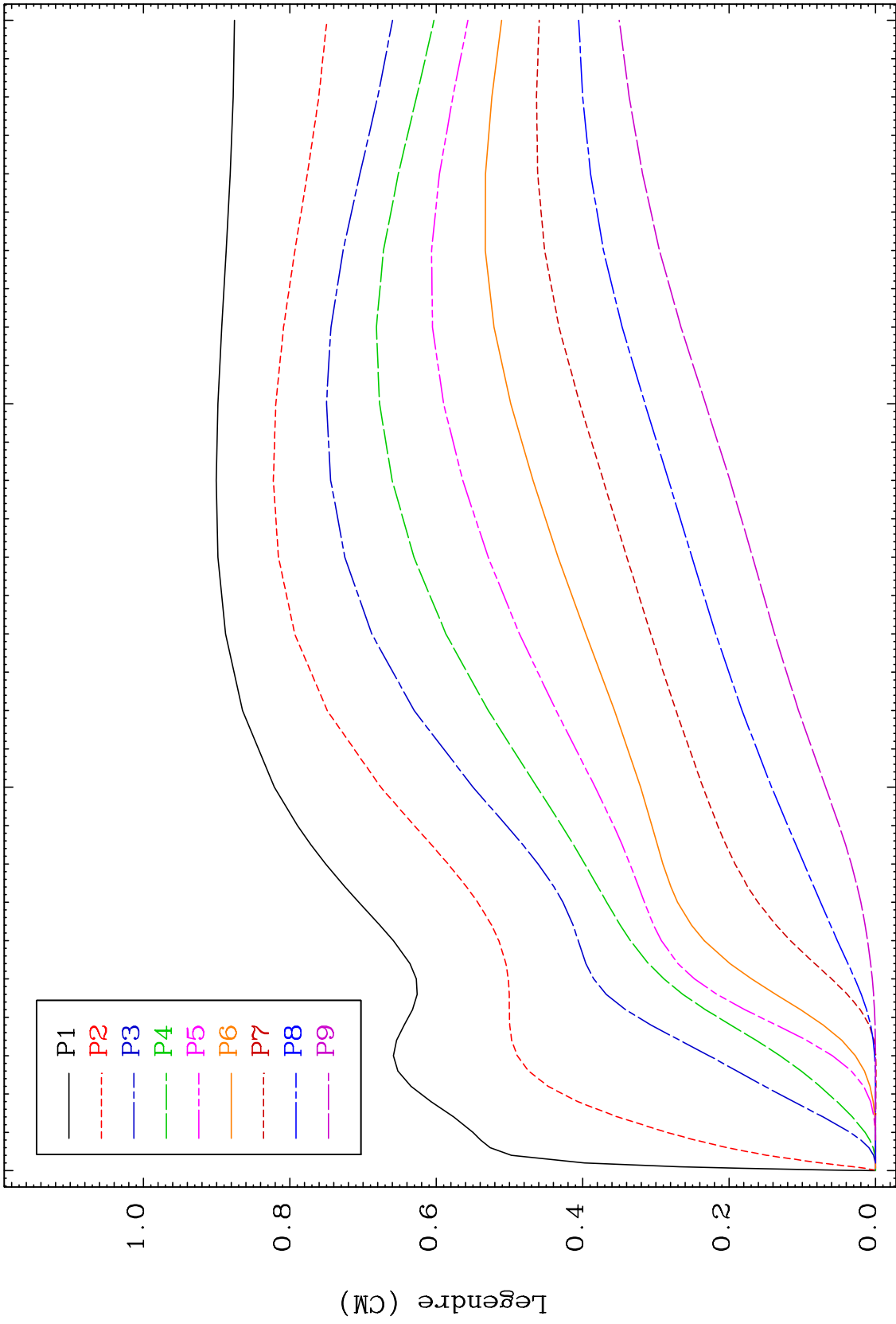
51-Sb-114



MAT 5104

Elastic Legendre Coefficients

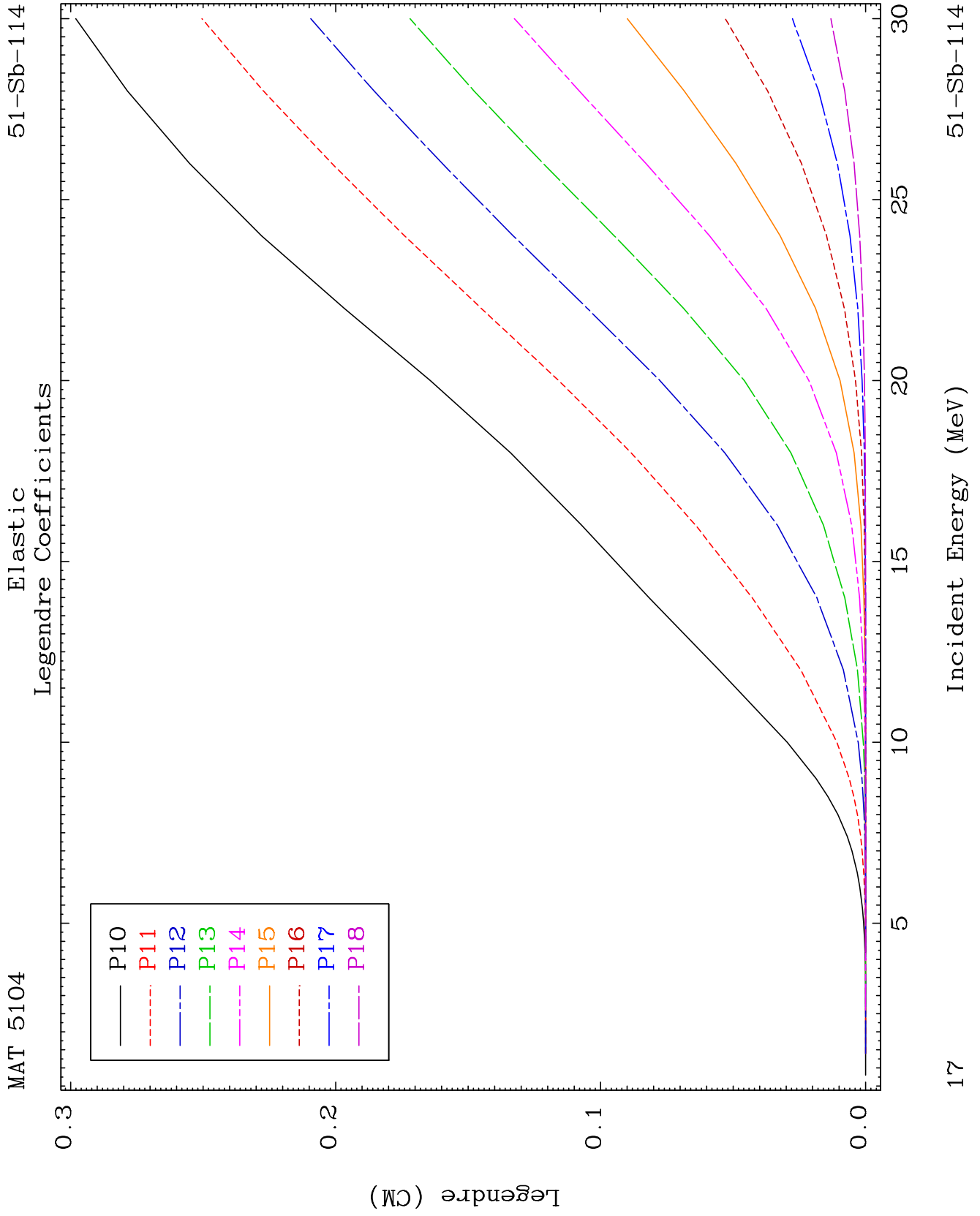
51-Sb-114



16

Incident Energy (MeV)

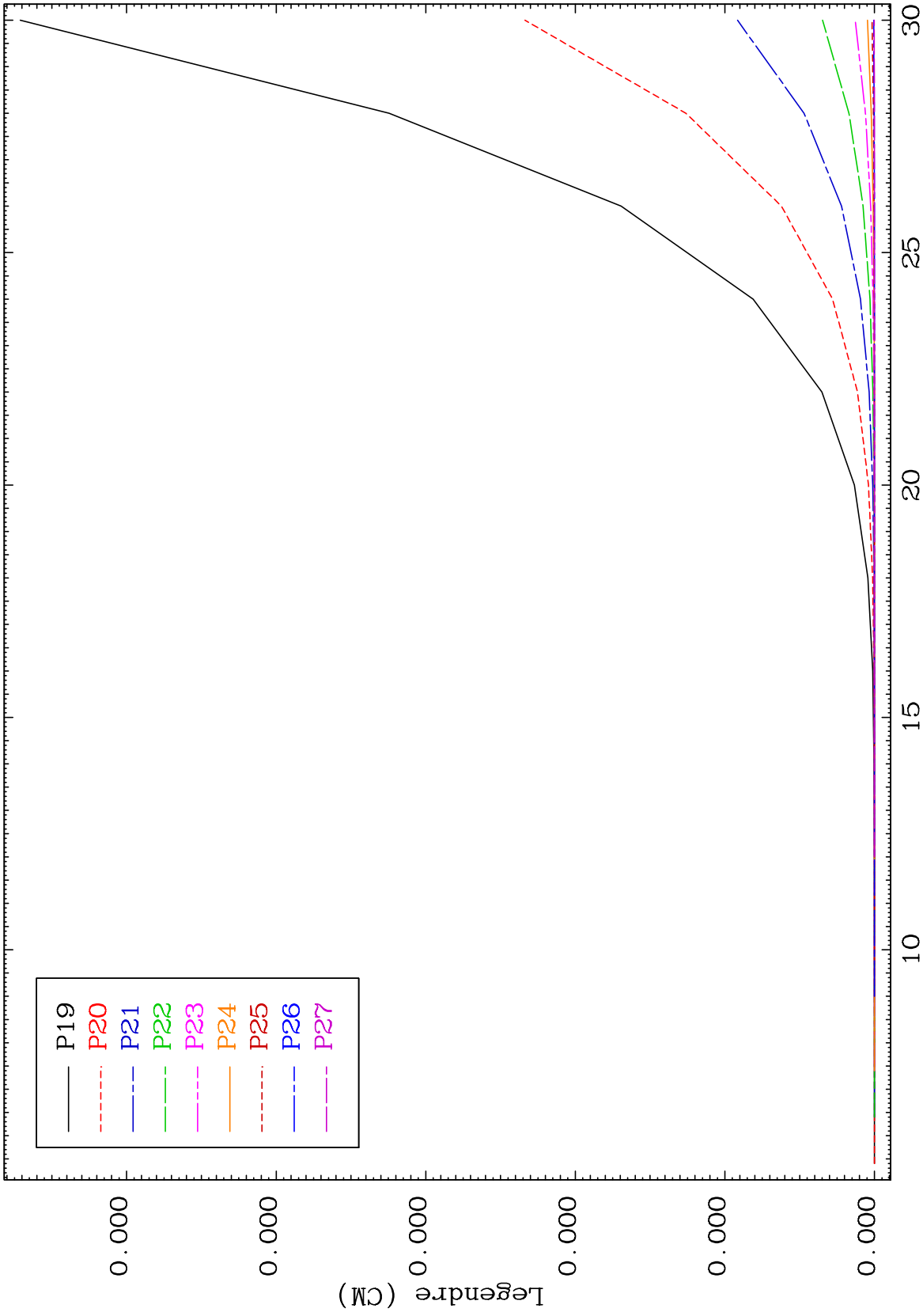
51-Sb-114



MAT 5104

Elastic Legendre Coefficients

51-Sb-114



18

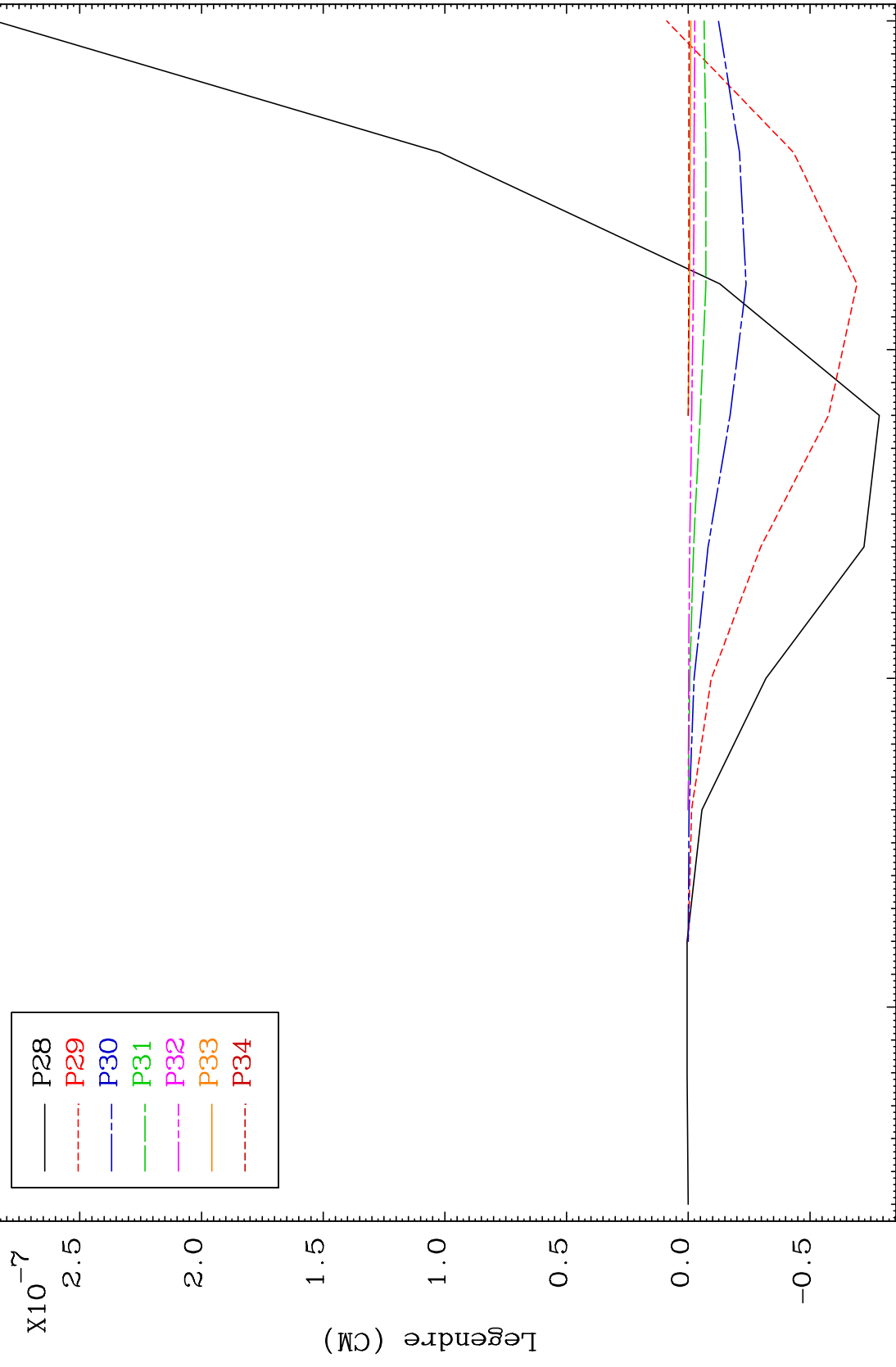
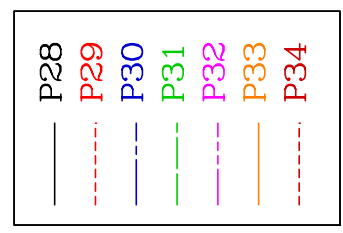
Incident Energy (MeV)

51-Sb-114

MAT 5104

Elastic Legendre Coefficients

51-Sb-114

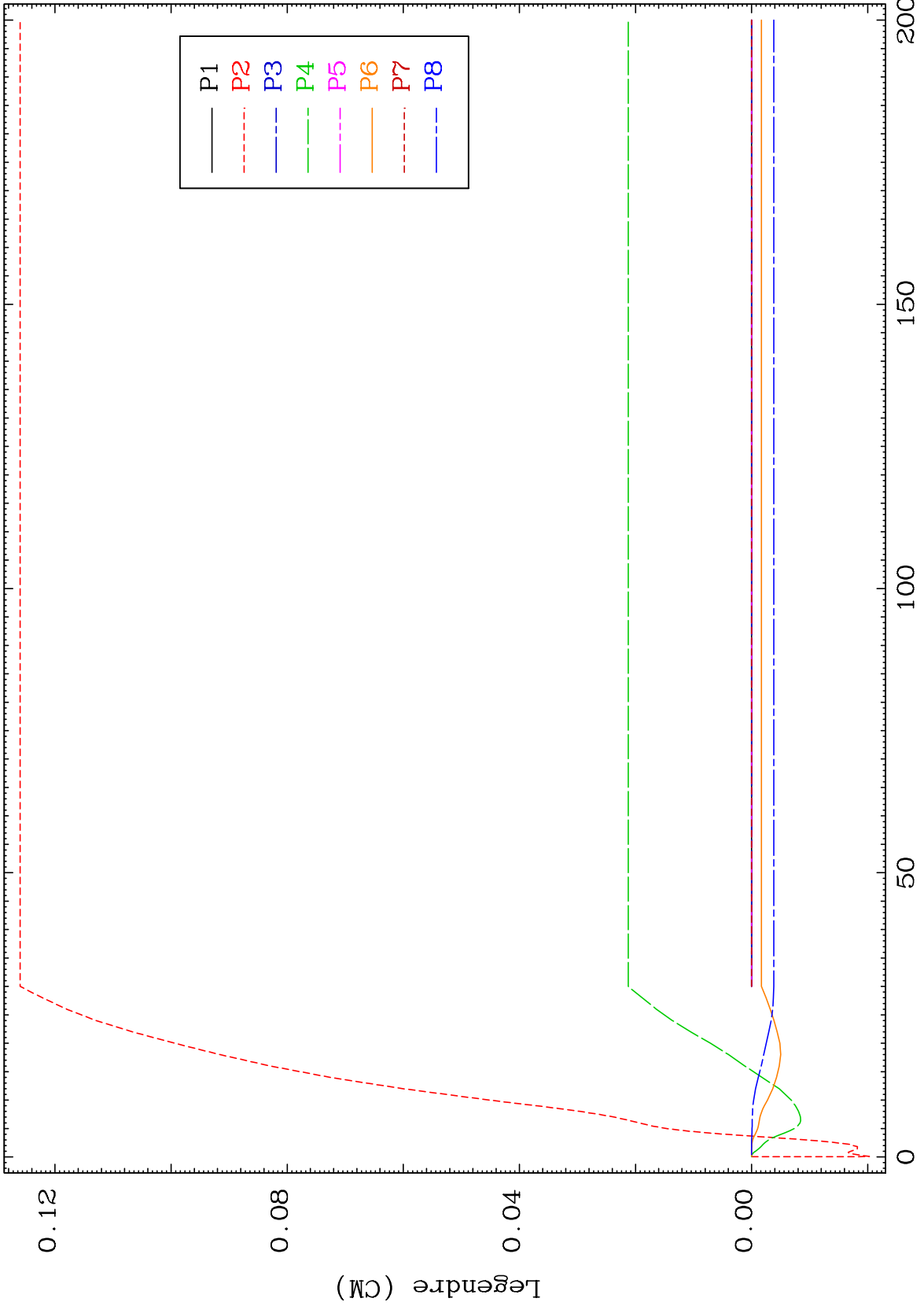


19

Incident Energy (MeV)

51-Sb-114

MAT 5104 MT= 51 (n,n') Level Legendre Coefficients 51-Sb-114

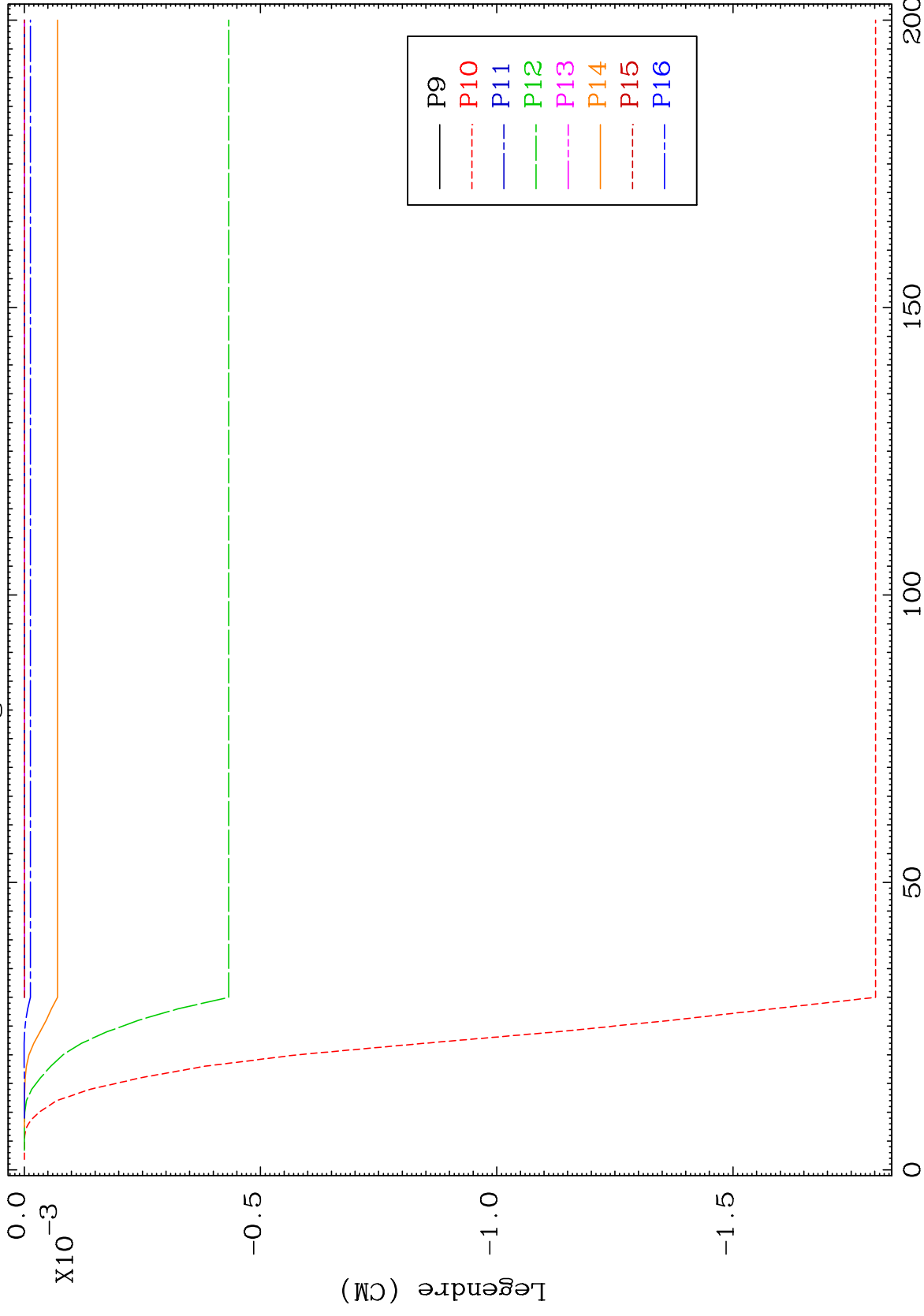


51-Sb-114

MAT 5104

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

51-Sb-114

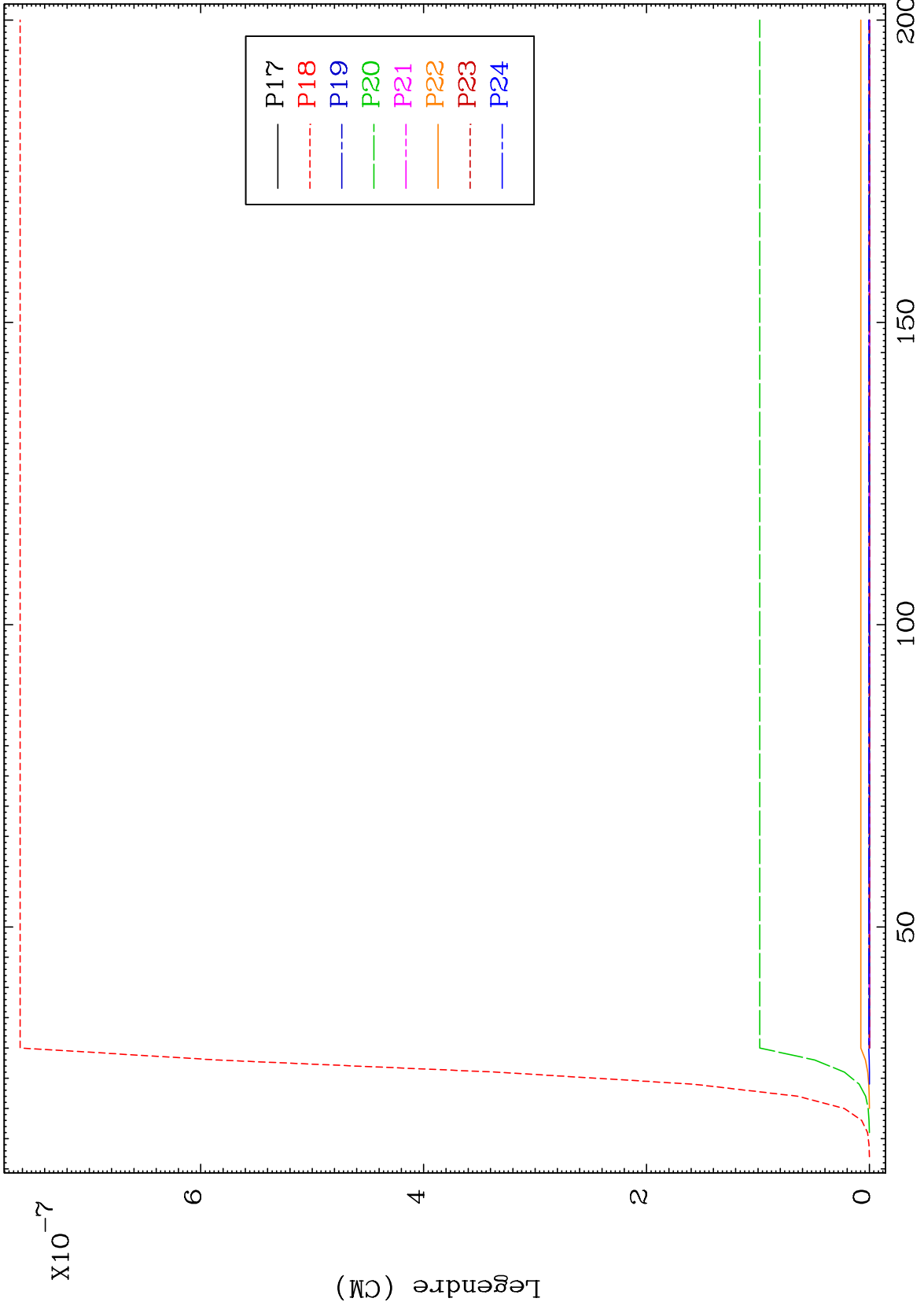


51-Sb-114

Incident Energy (MeV)

21

MAT 5104 MT= 51 (n,n') Level Legendre Coefficients 51-Sb-114

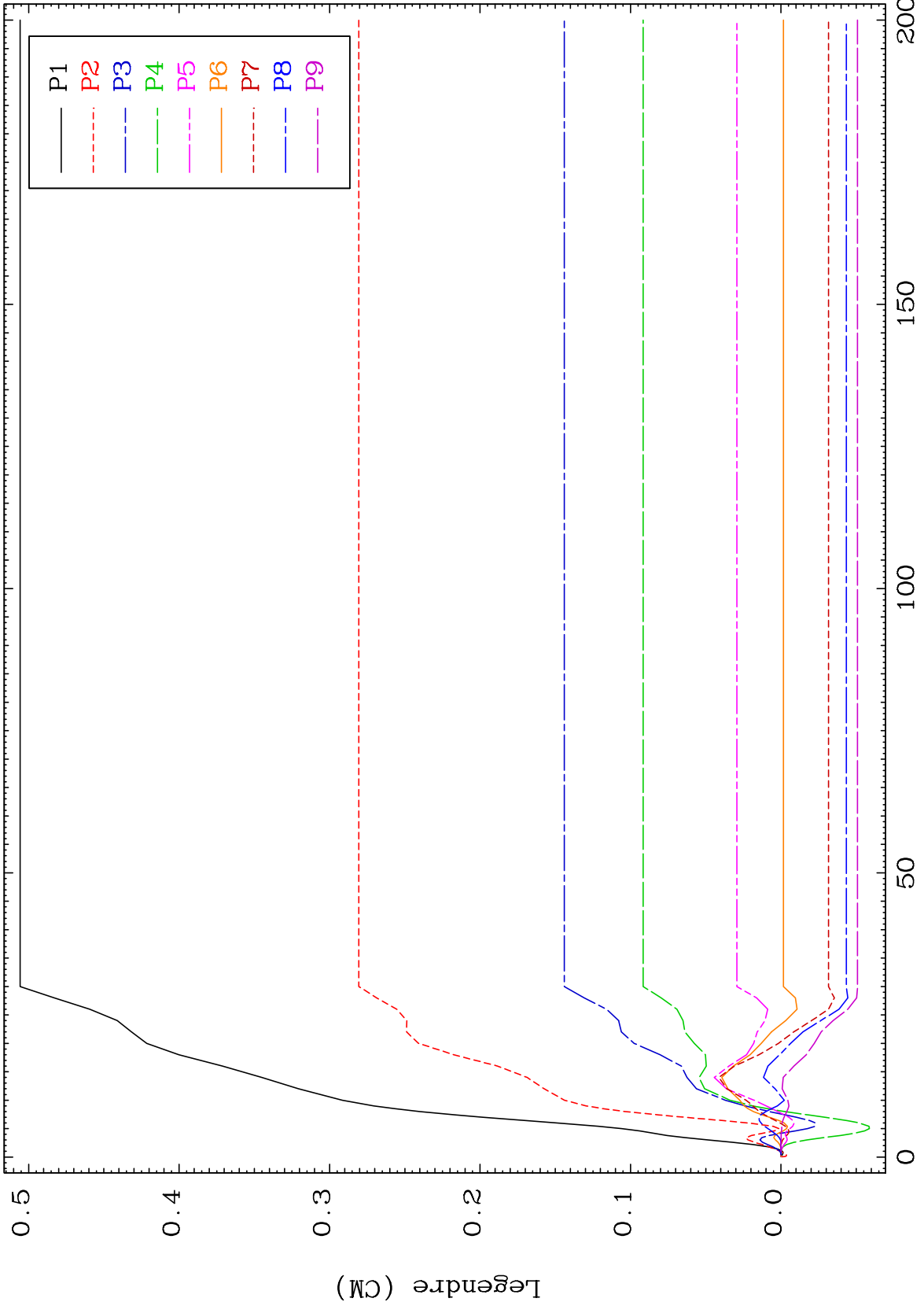


22 Incident Energy (MeV) 51-Sb-114

MAT 5104

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

51-Sb-114



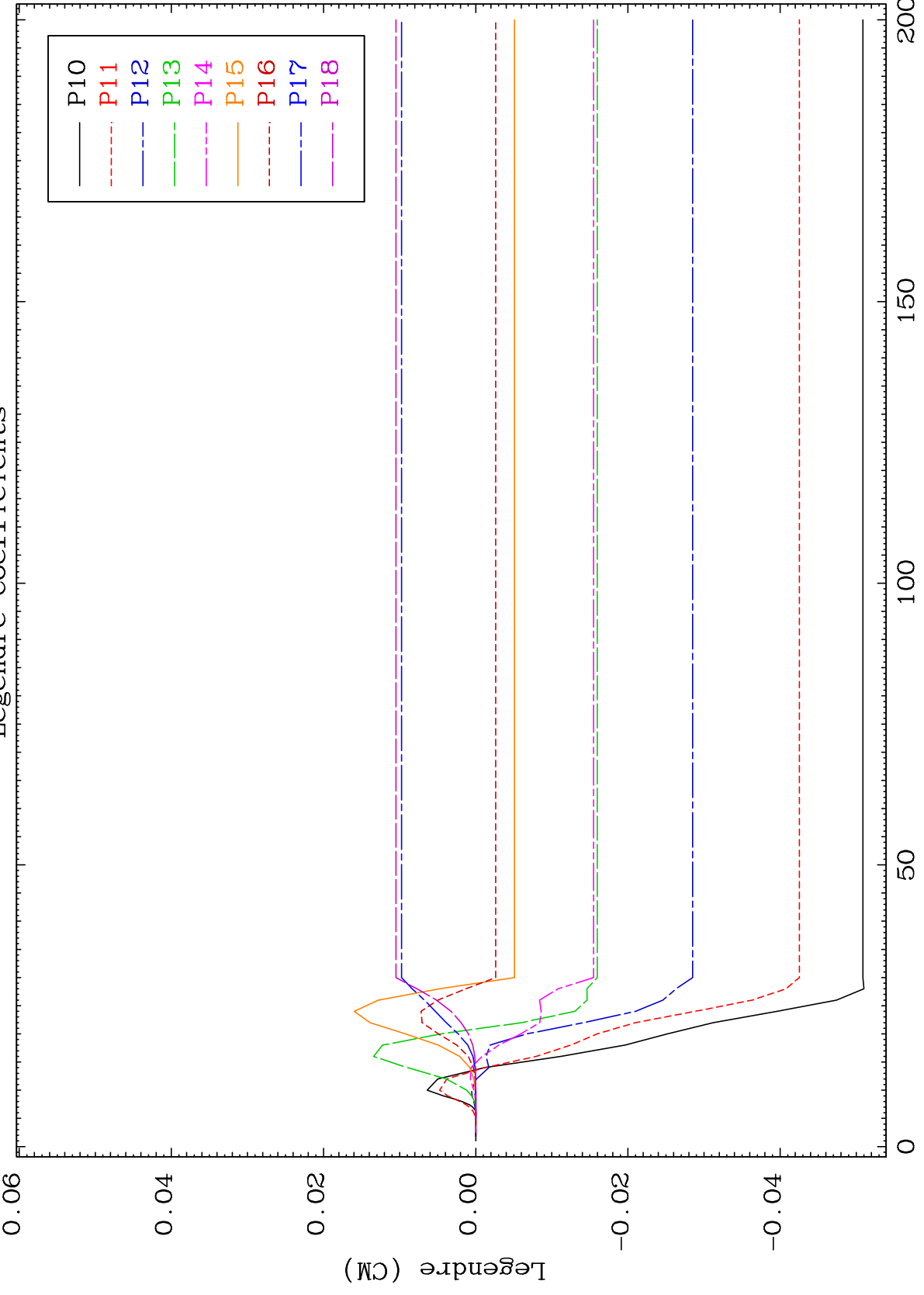
23

Incident Energy (MeV)

51-Sb-114

MAT 5104 MT= 52 (n,n') Level Legendre Coefficients

51-Sb-114



51-Sb-114

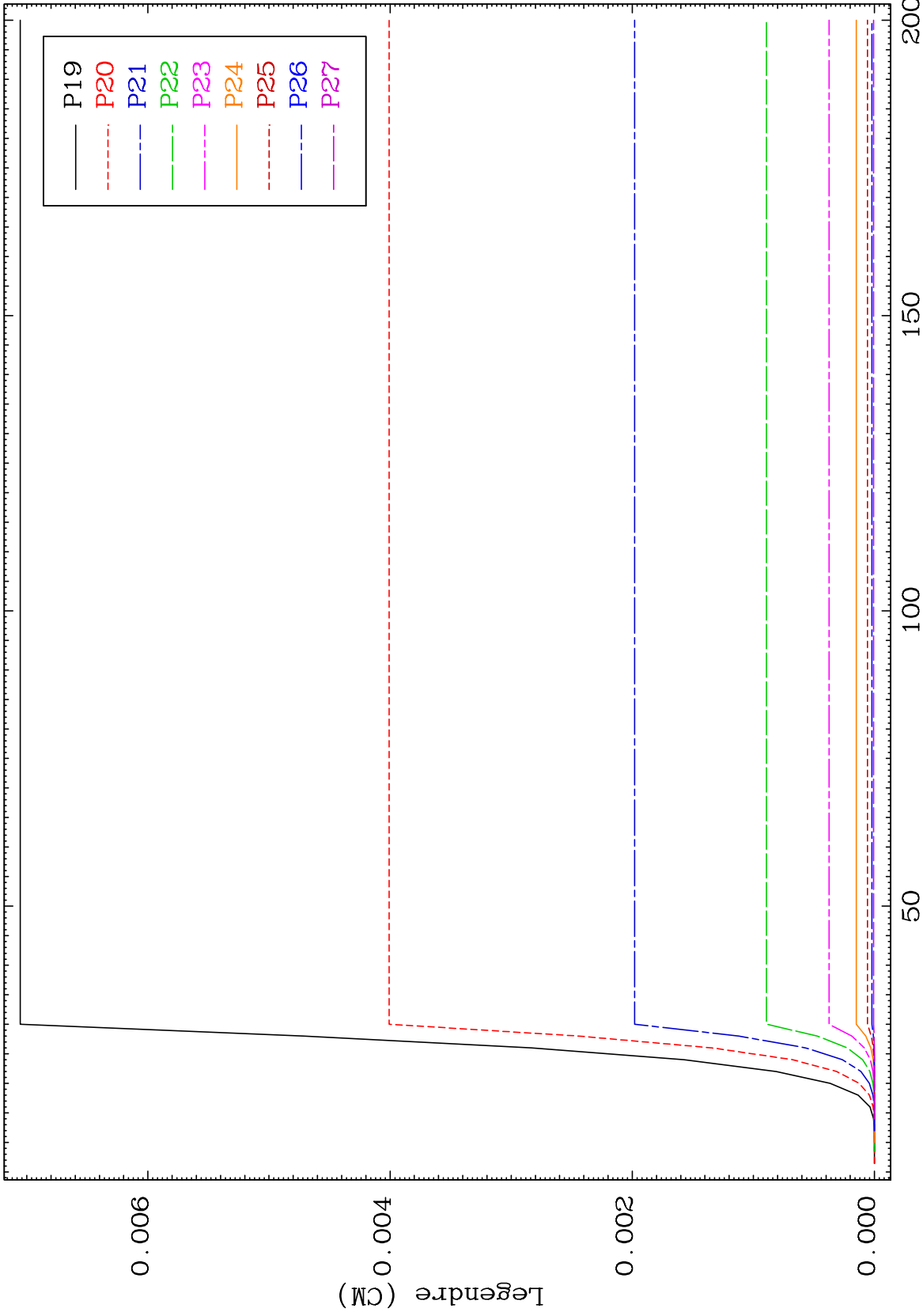
Incident Energy (MeV)

24

MAT 5104

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

51-Sb-114



25

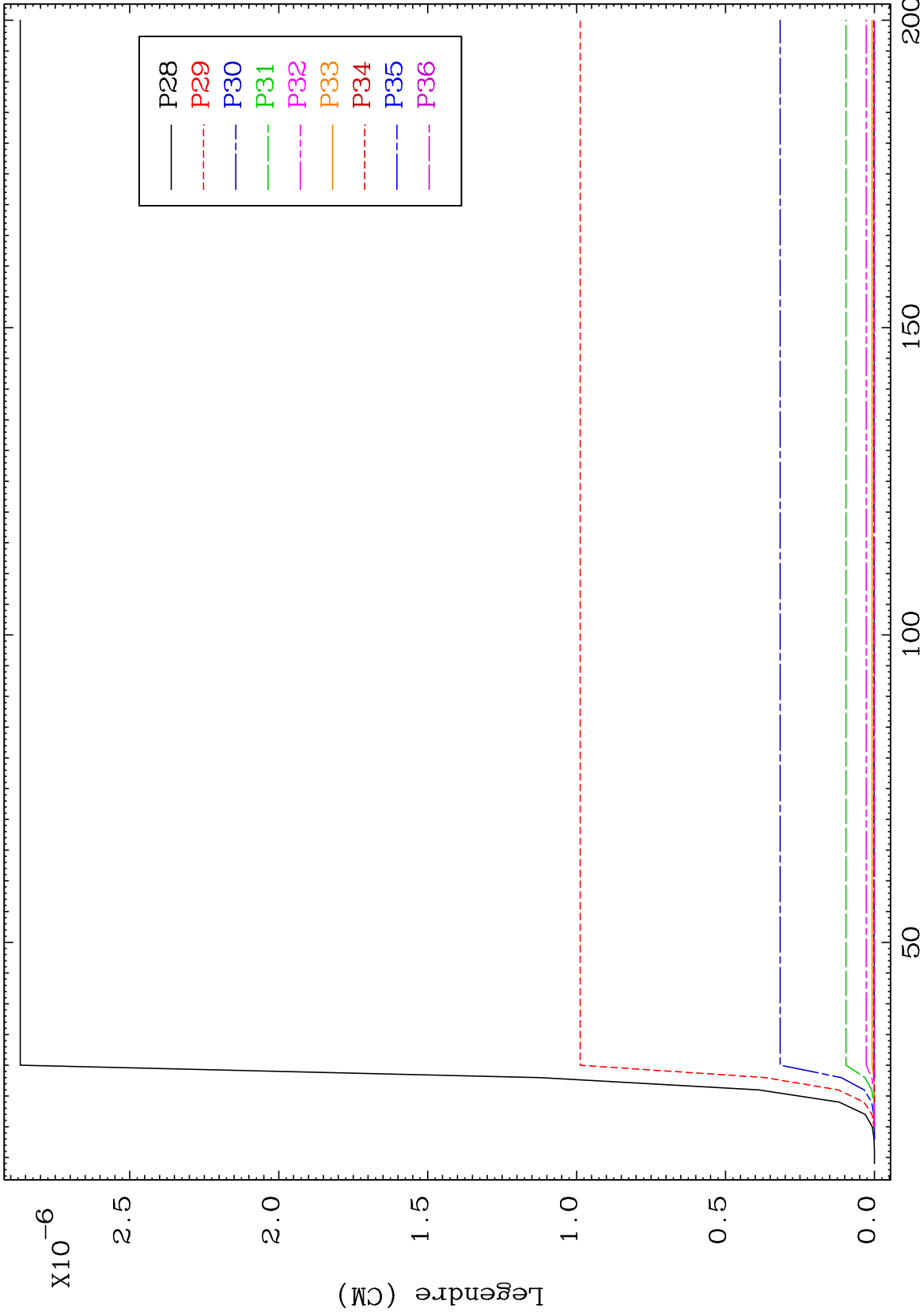
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



26

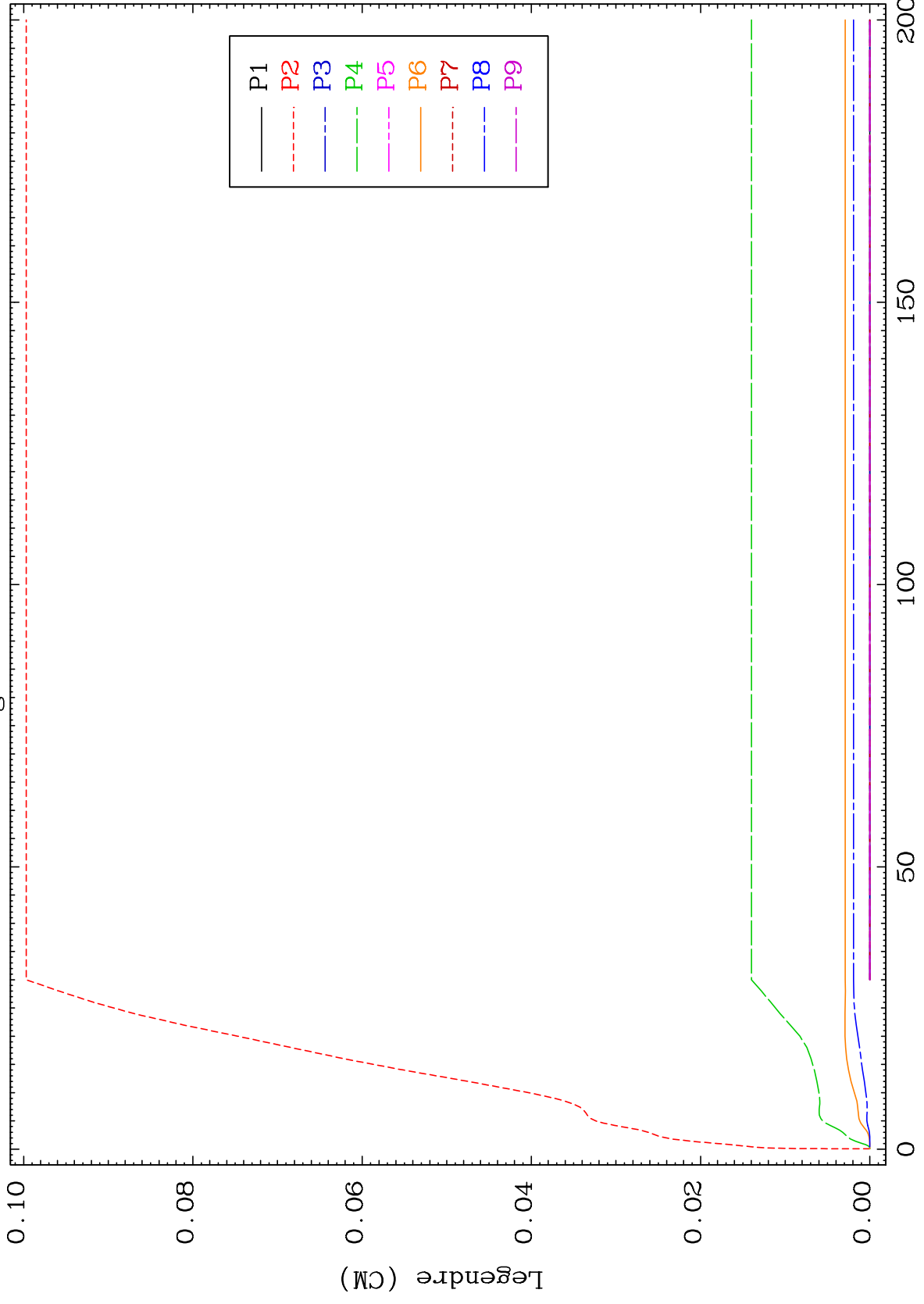
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



27

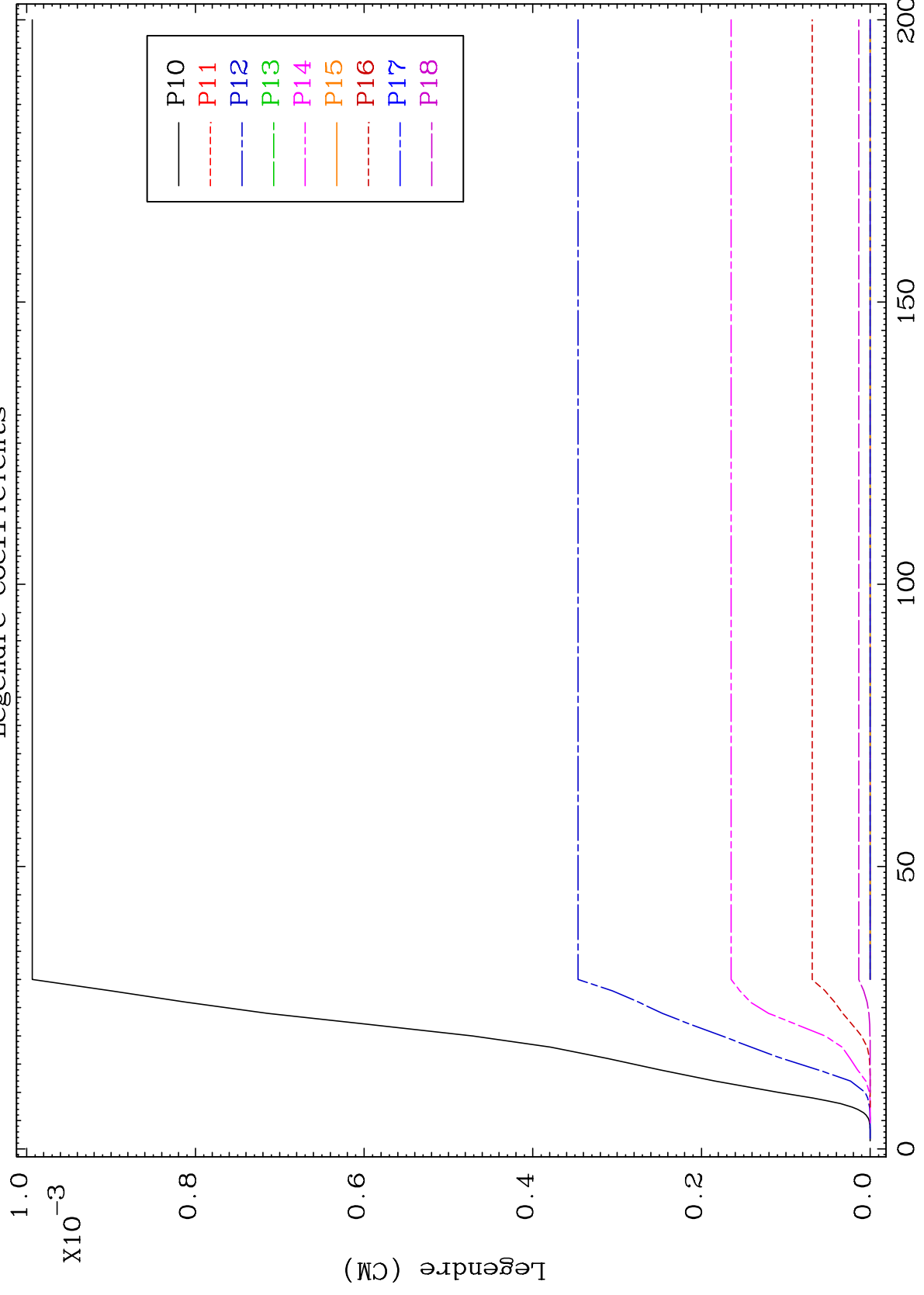
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



28

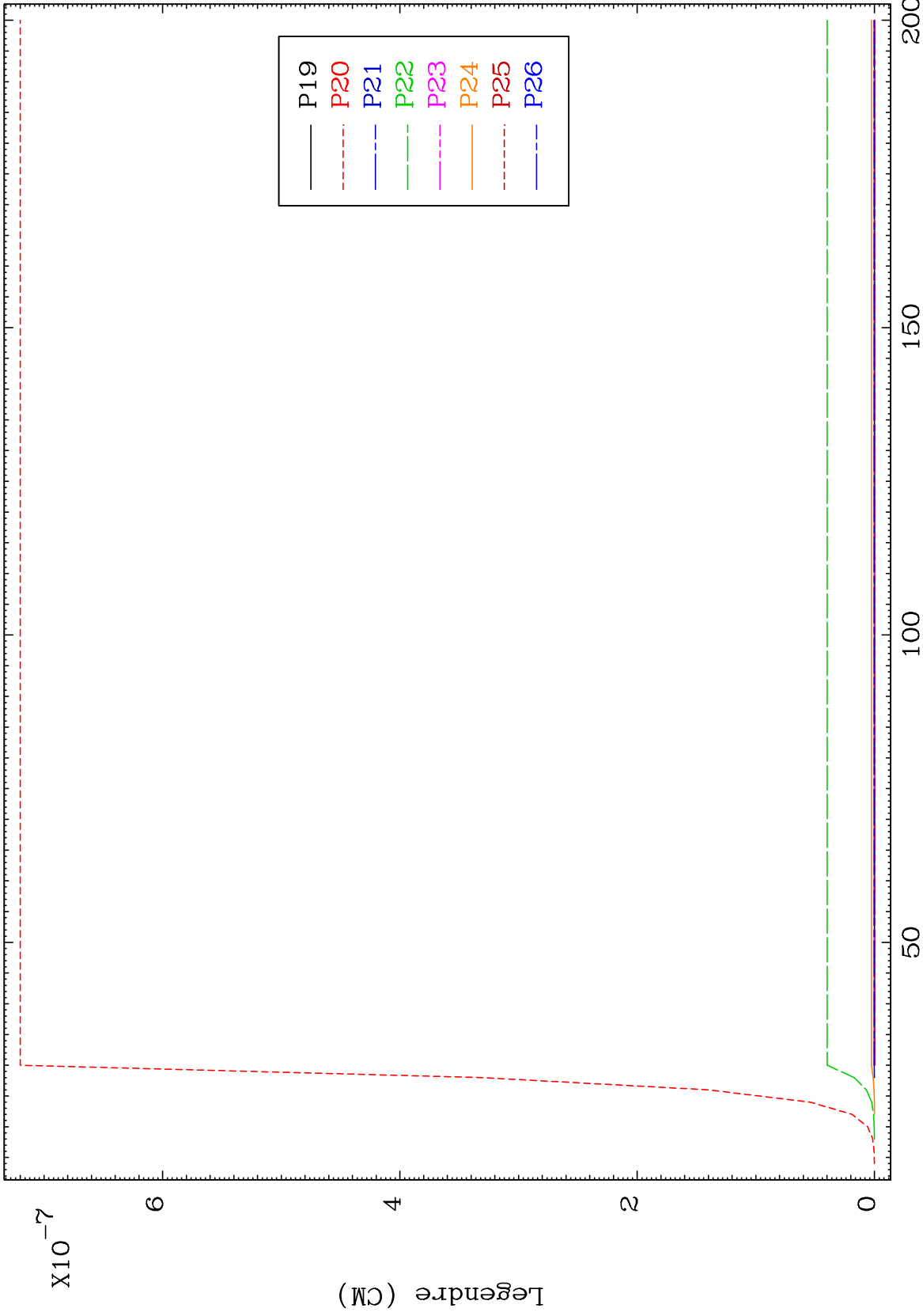
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



29

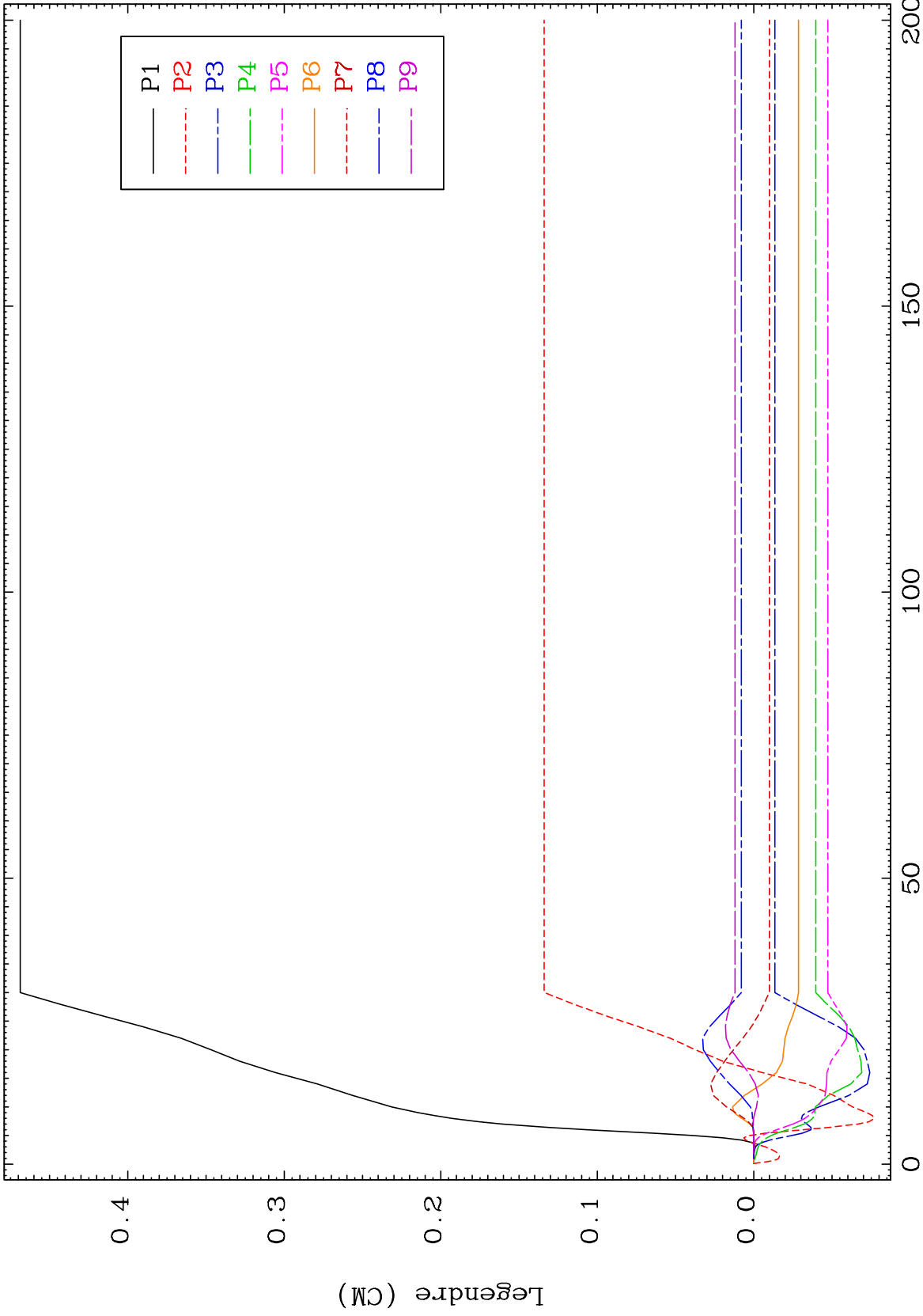
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



51-Sb-114

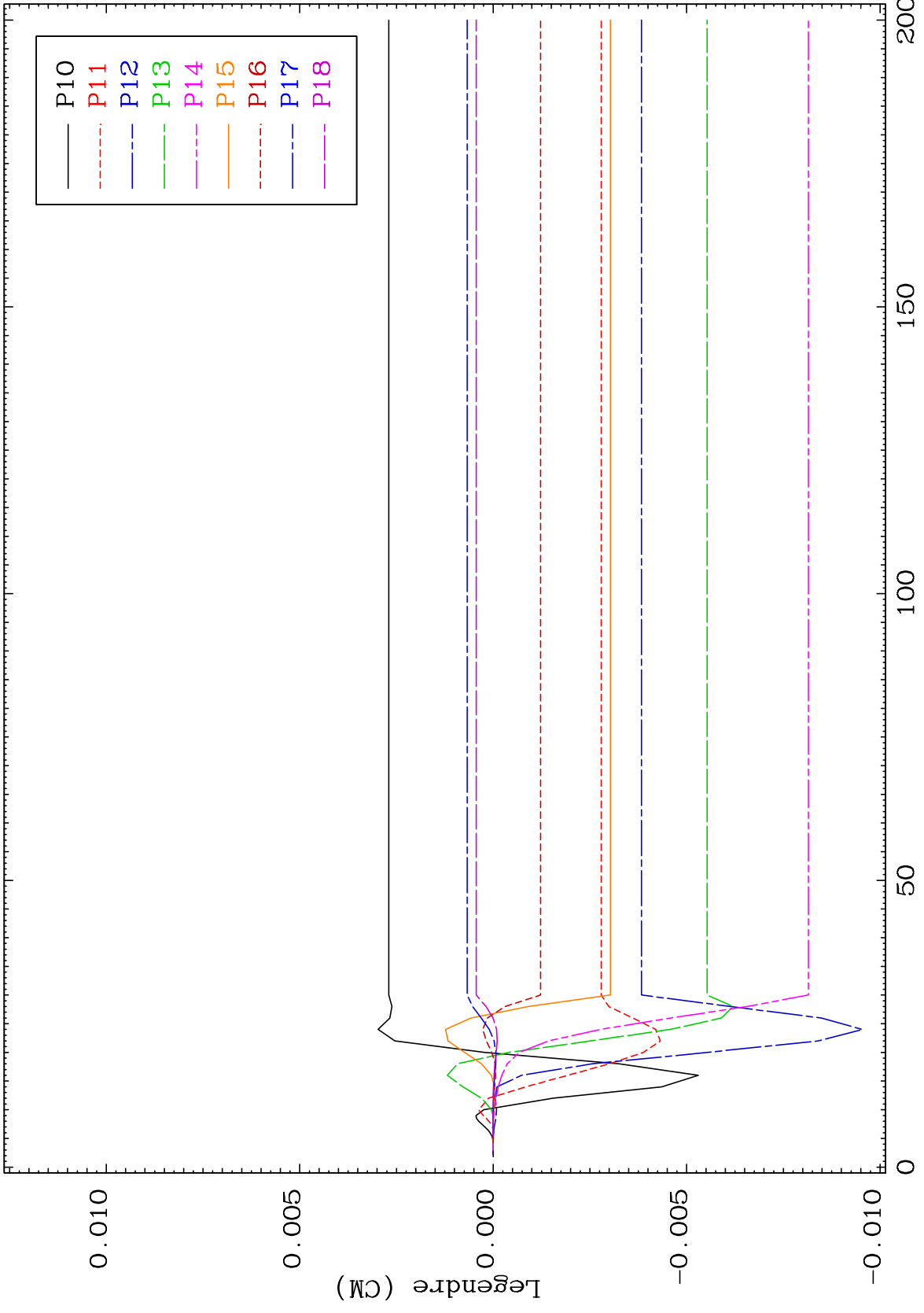
Incident Energy (MeV)

Legendre (CM)

MAT 5104

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

51-Sb-114



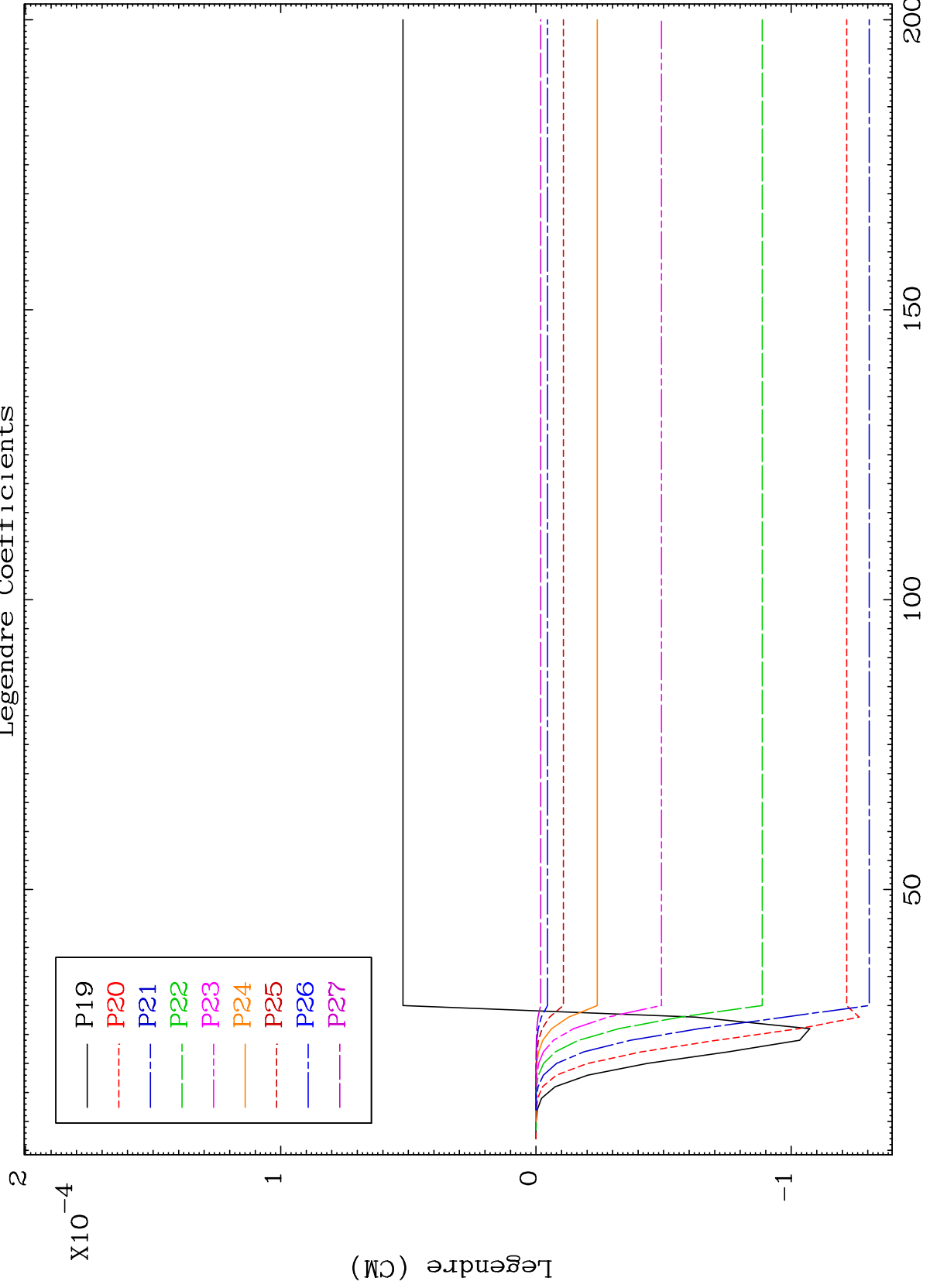
31

51-Sb-114

MAT 5104

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

51-Sb-114



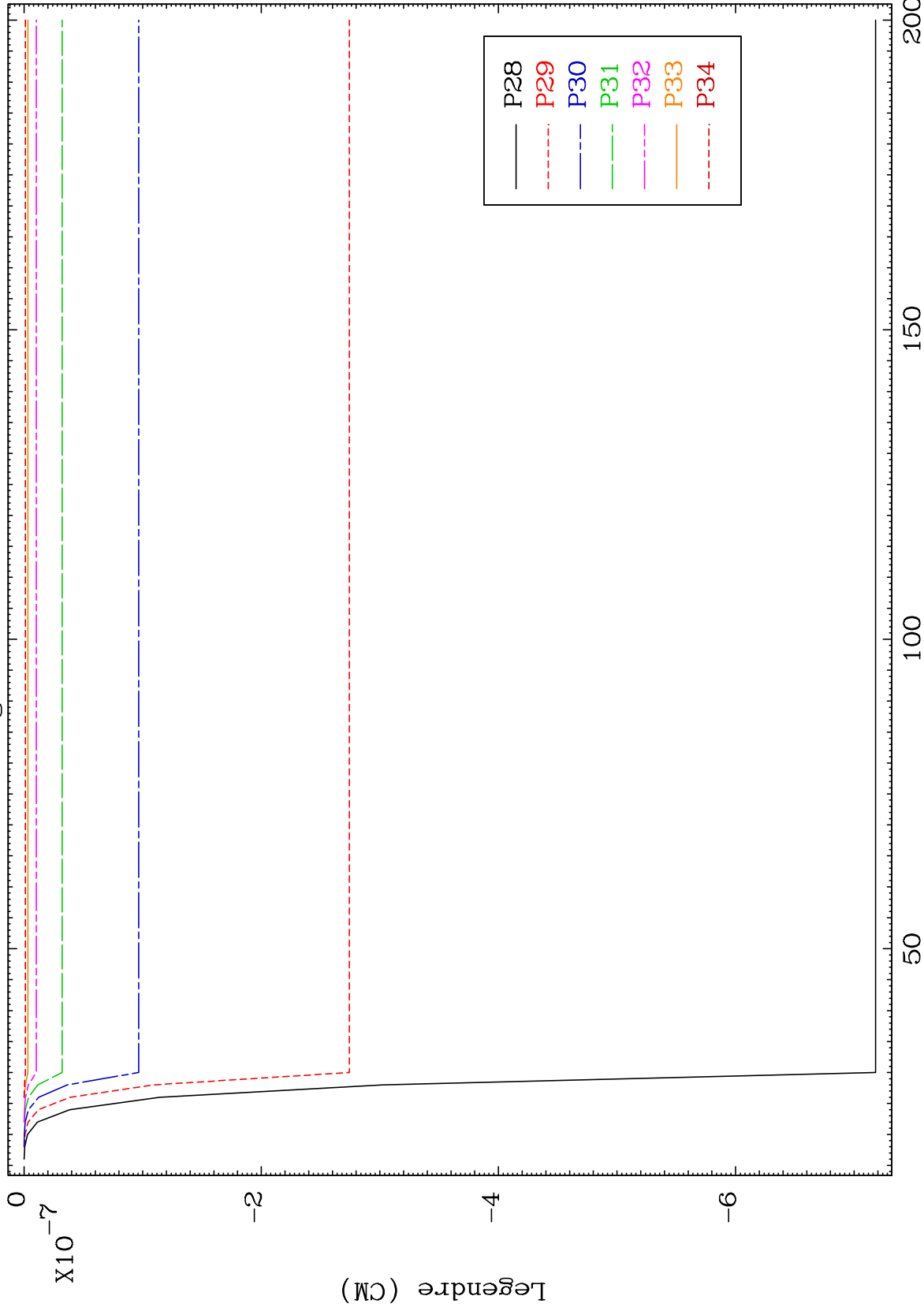
32

51-Sb-114

MAT 5104

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

51-Sb-114



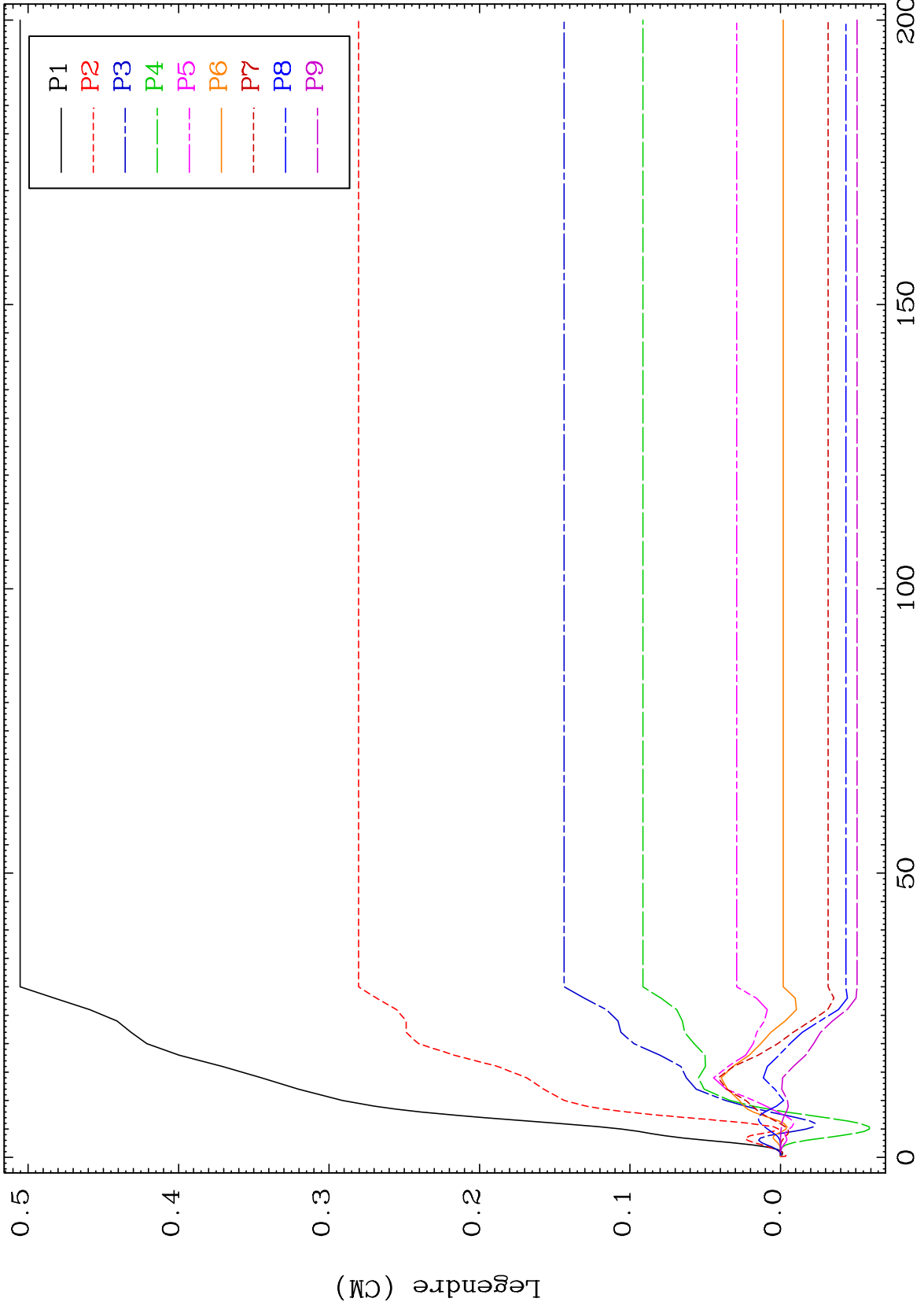
33

51-Sb-114

MAT 5104

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

51-Sb-114

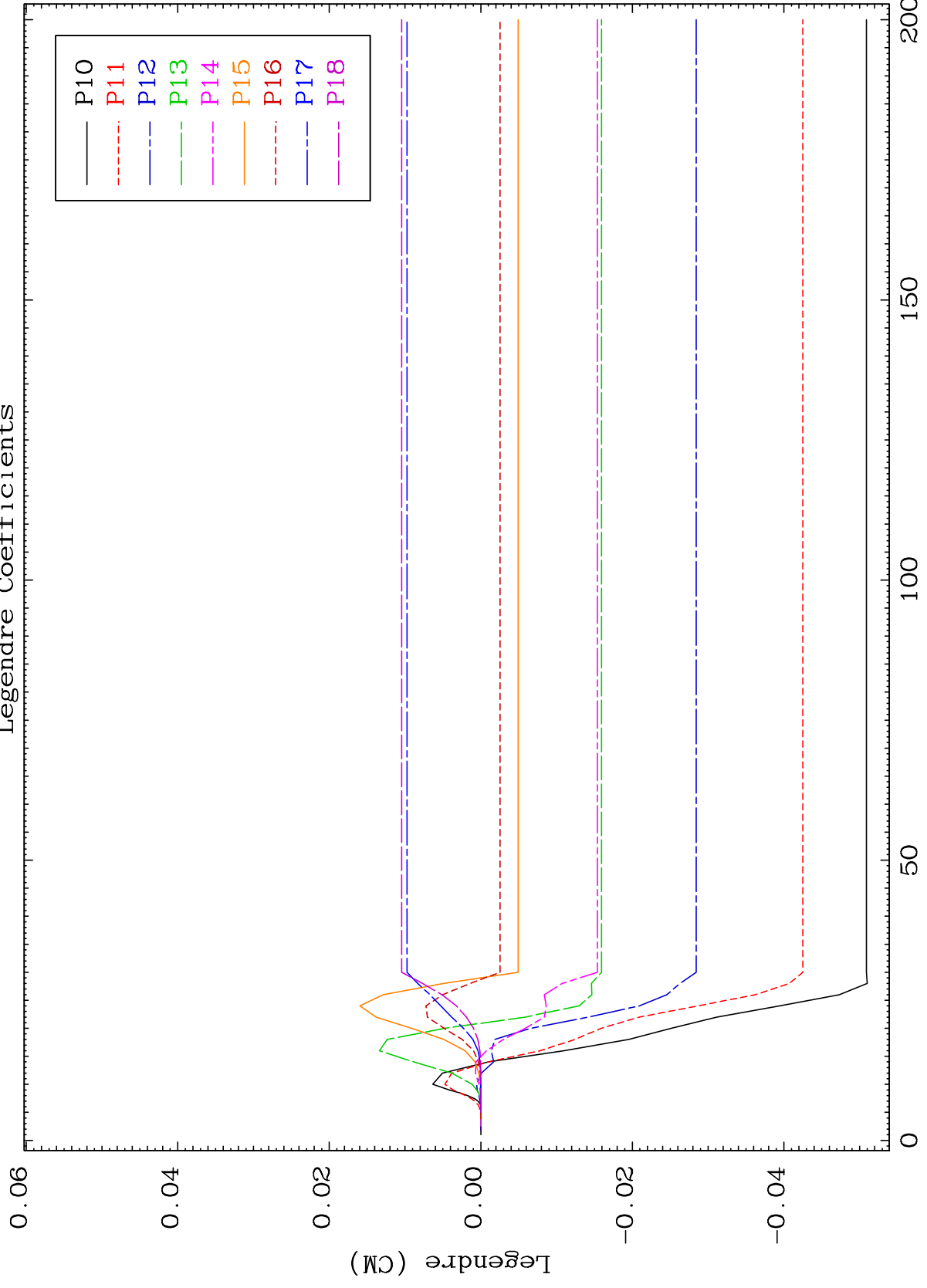


34

Incident Energy (MeV)

51-Sb-114

MAT 5104 MT= 55 (n,n') Level Legendre Coefficients 51-Sb-114

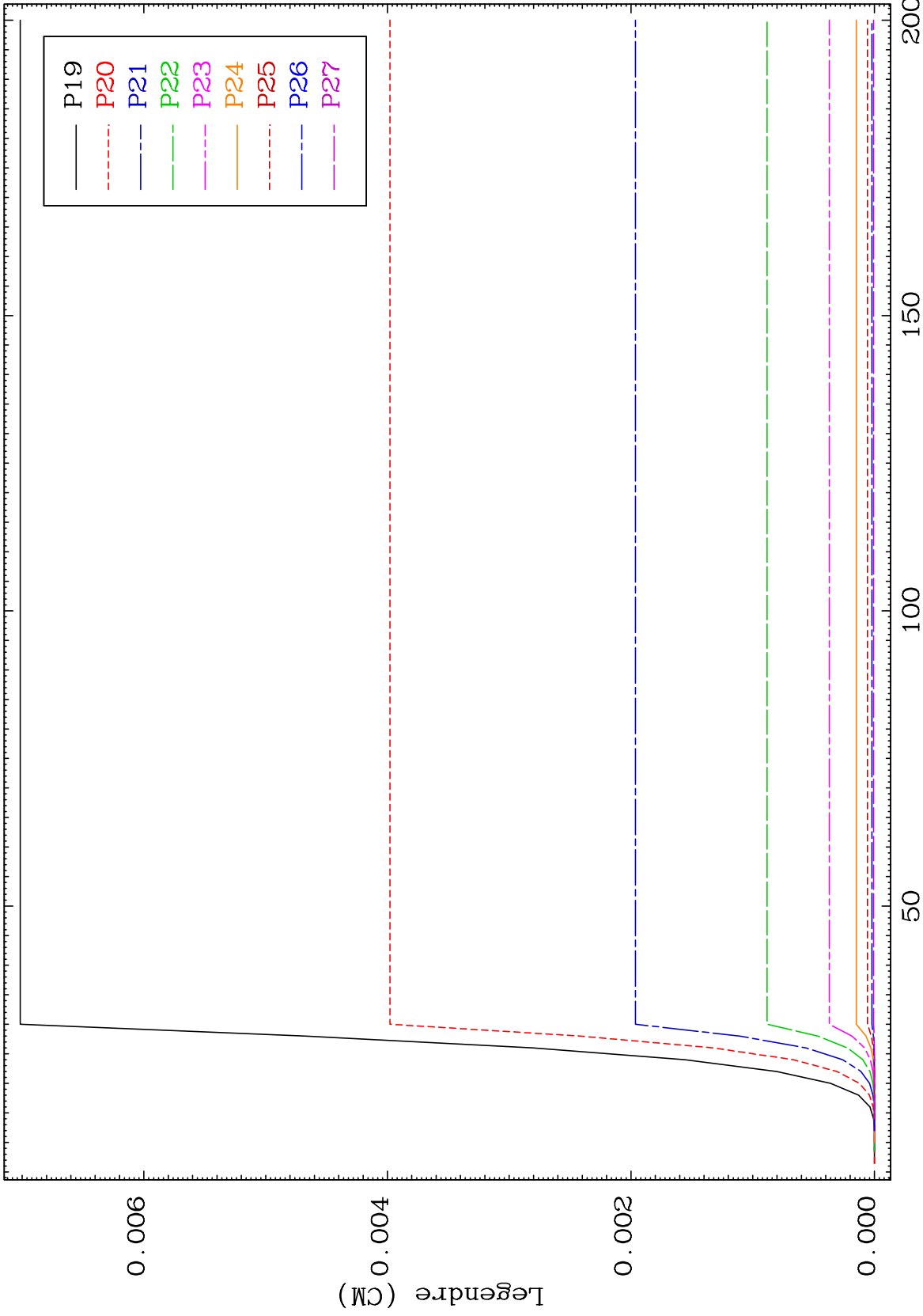


35 51-Sb-114

MAT 5104

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

51-Sb-114



36

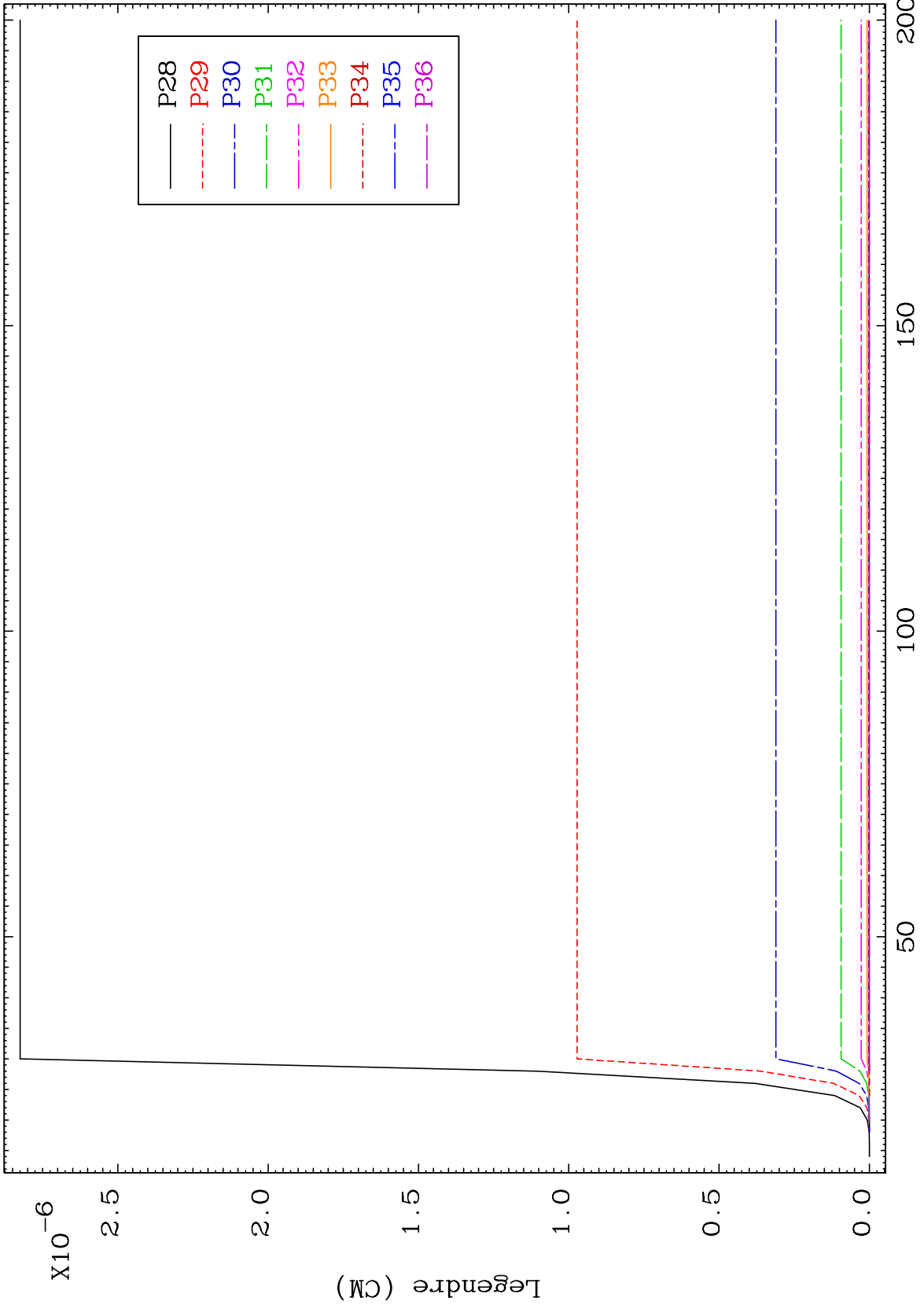
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



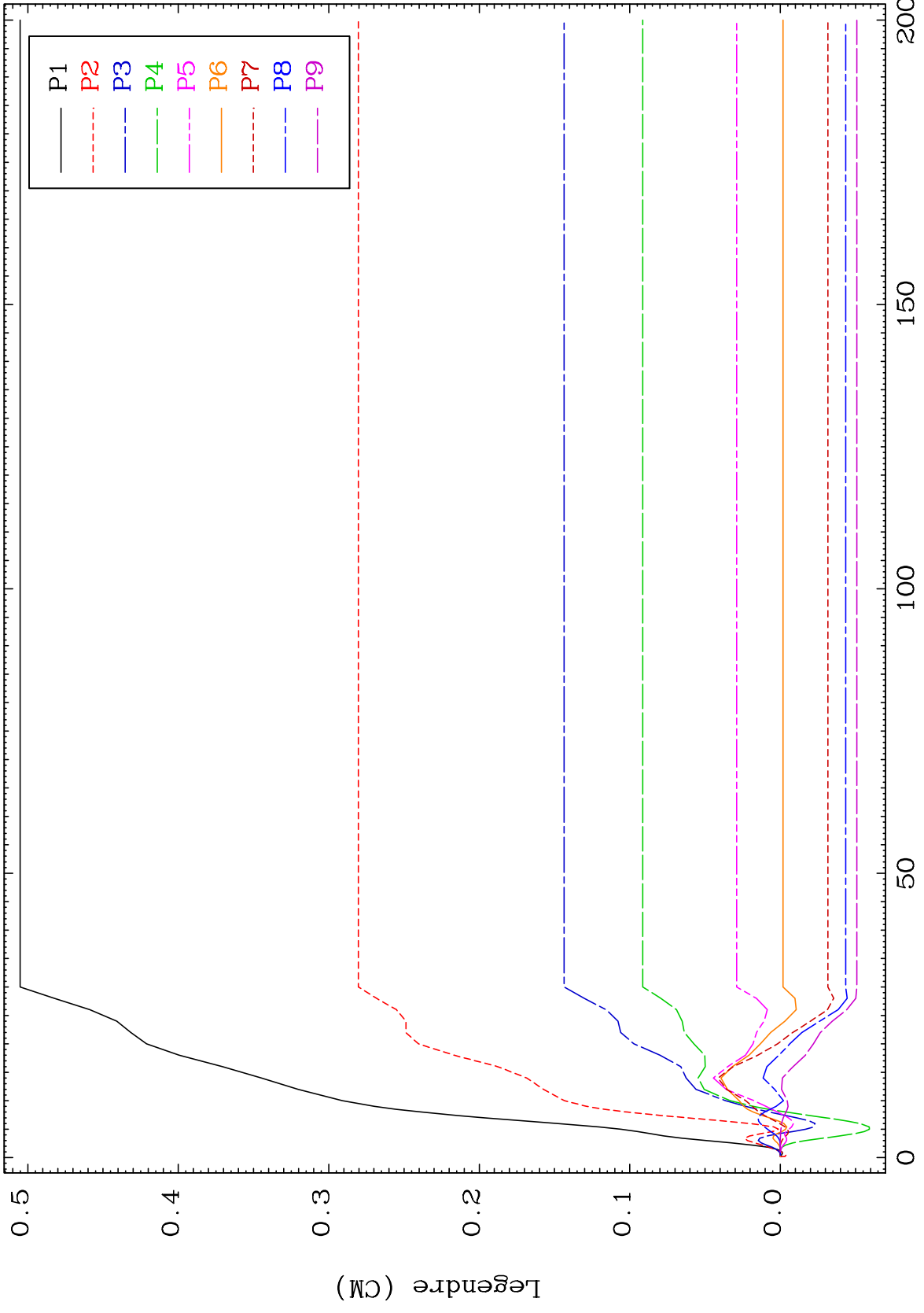
37

51-Sb-114

MAT 5104

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

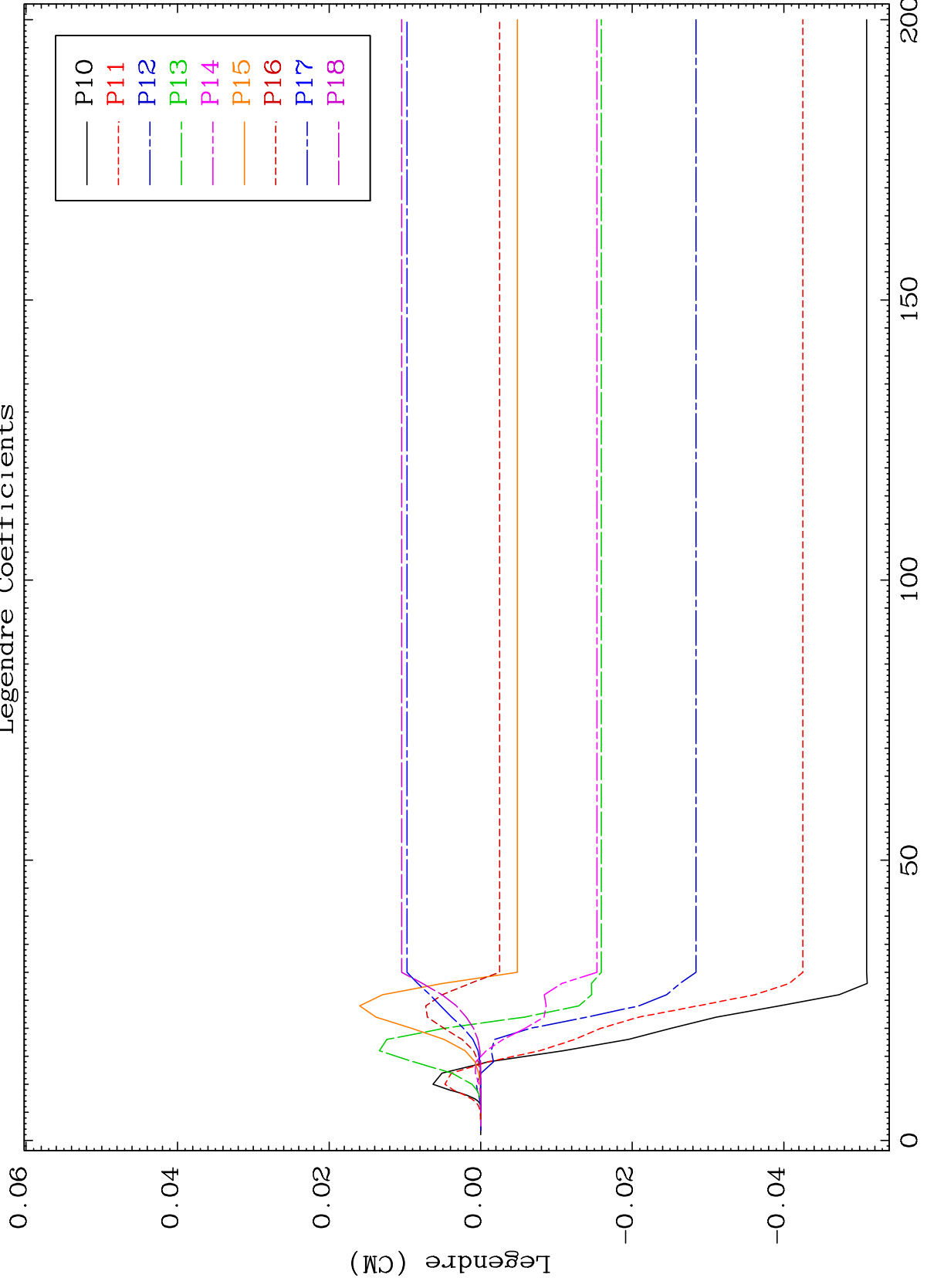
51-Sb-114



38

51-Sb-114

MAT 5104 MT= 56 (n,n') Level Legendre Coefficients 51-Sb-114

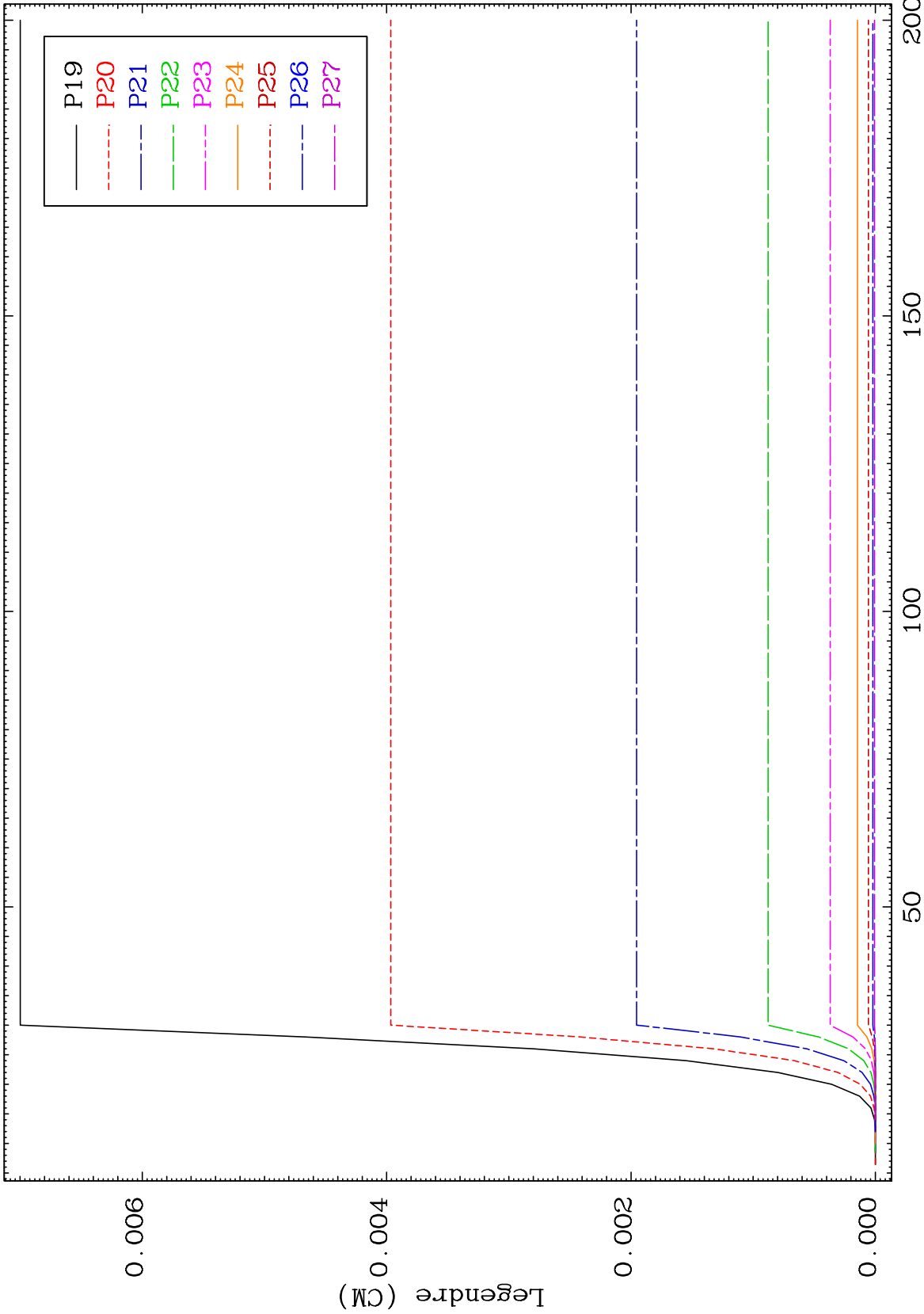


39 51-Sb-114

MAT 5104

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

51-Sb-114



40

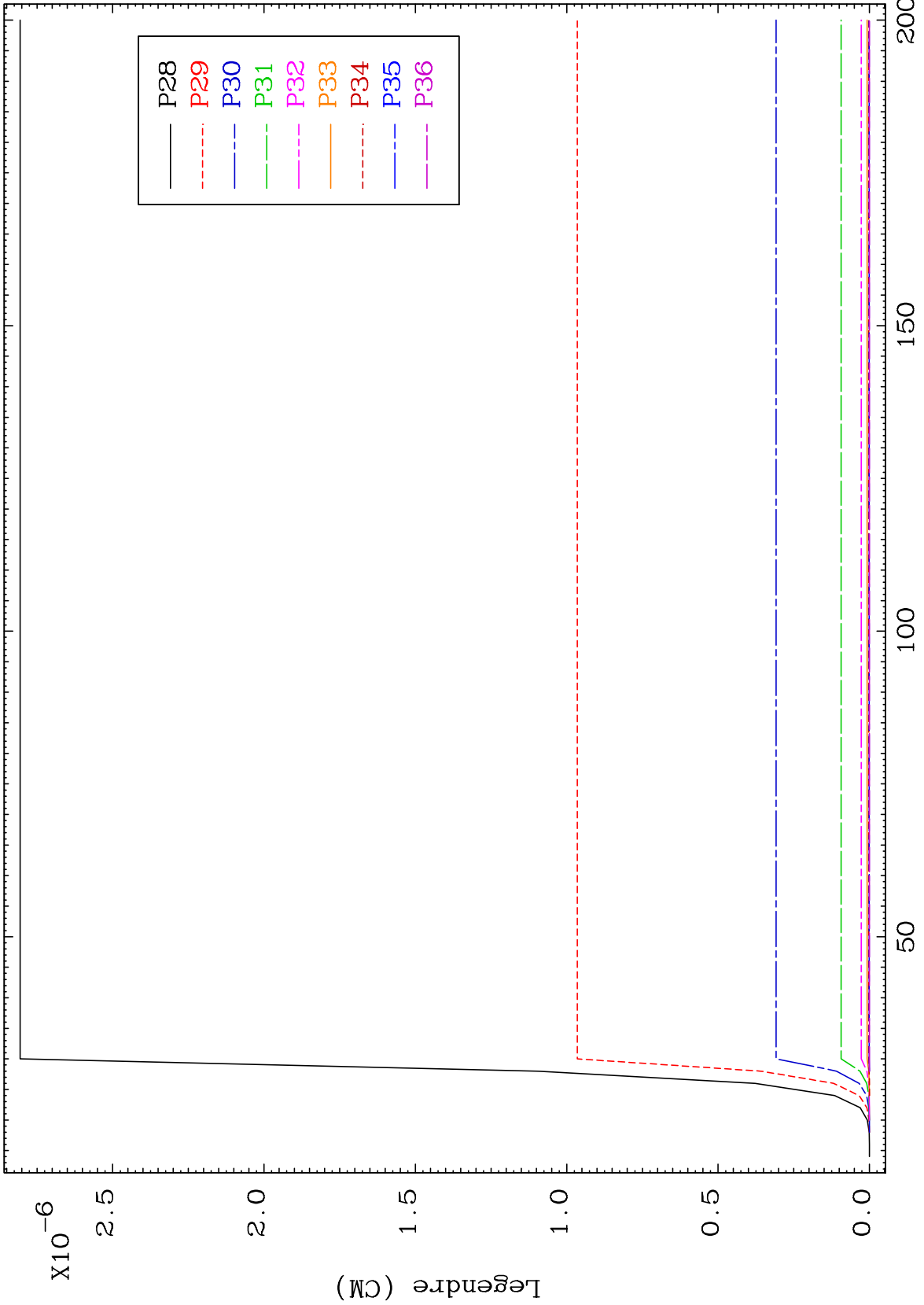
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



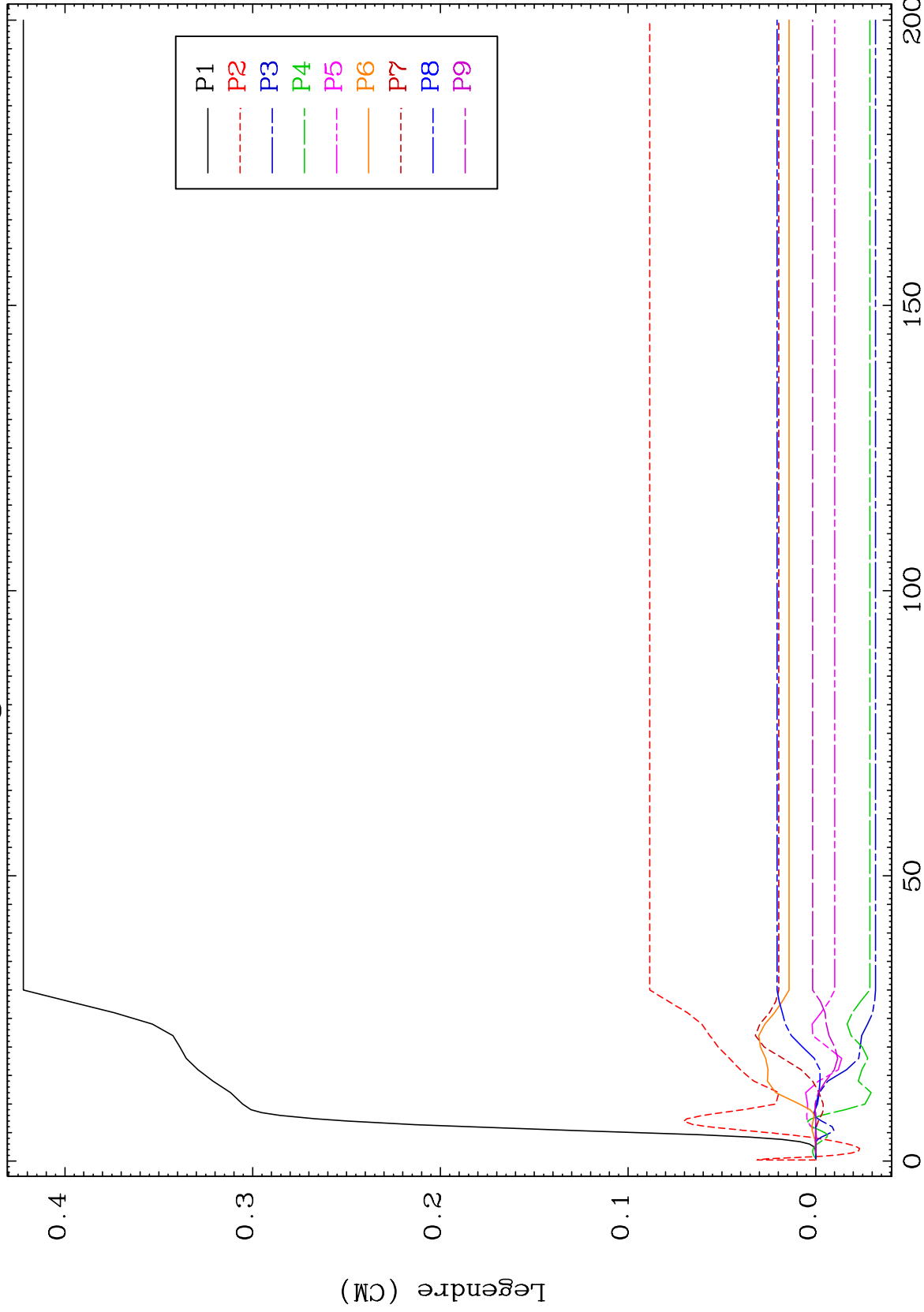
41

51-Sb-114

MAT 5104

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

51-Sb-114



42

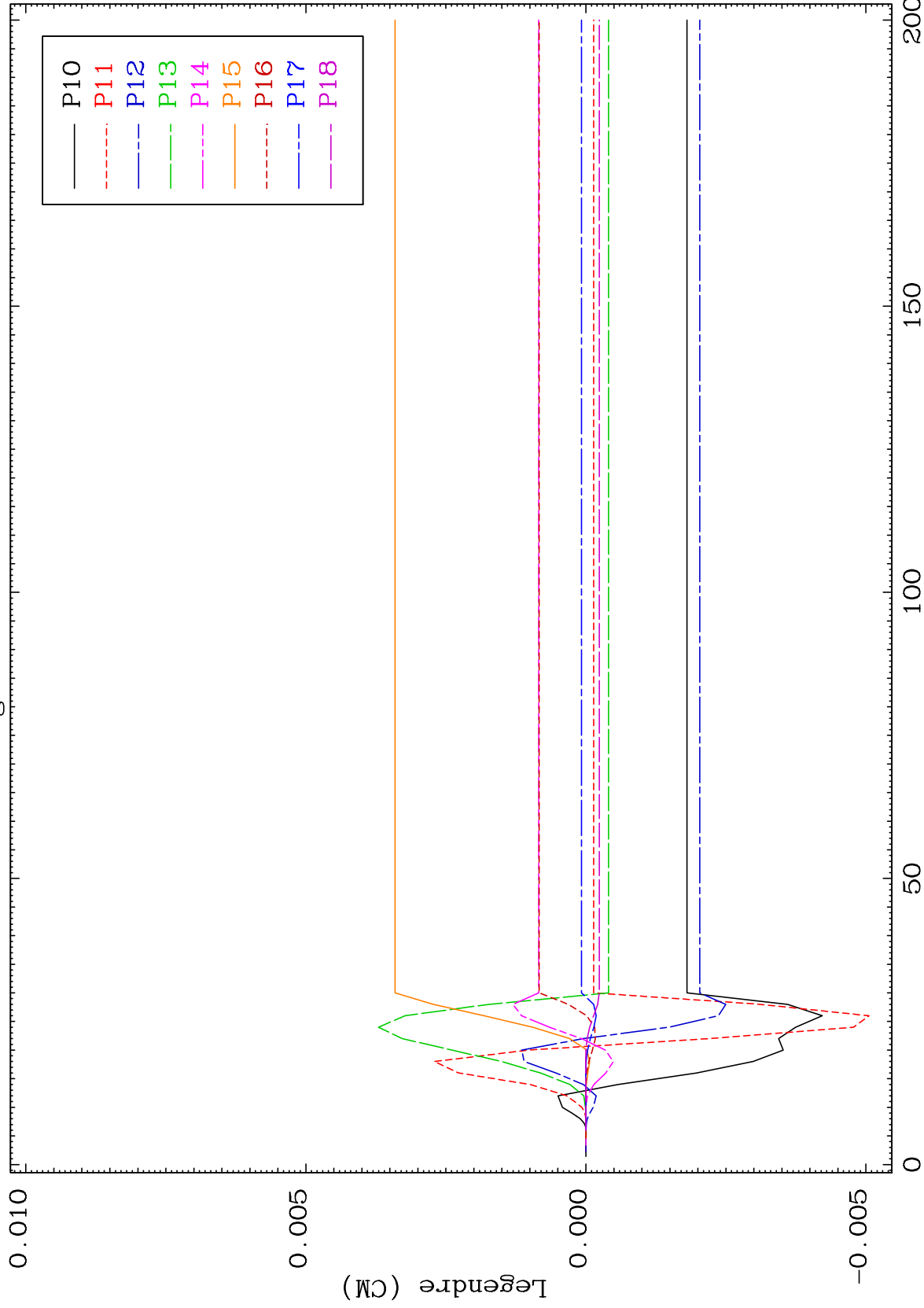
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



43

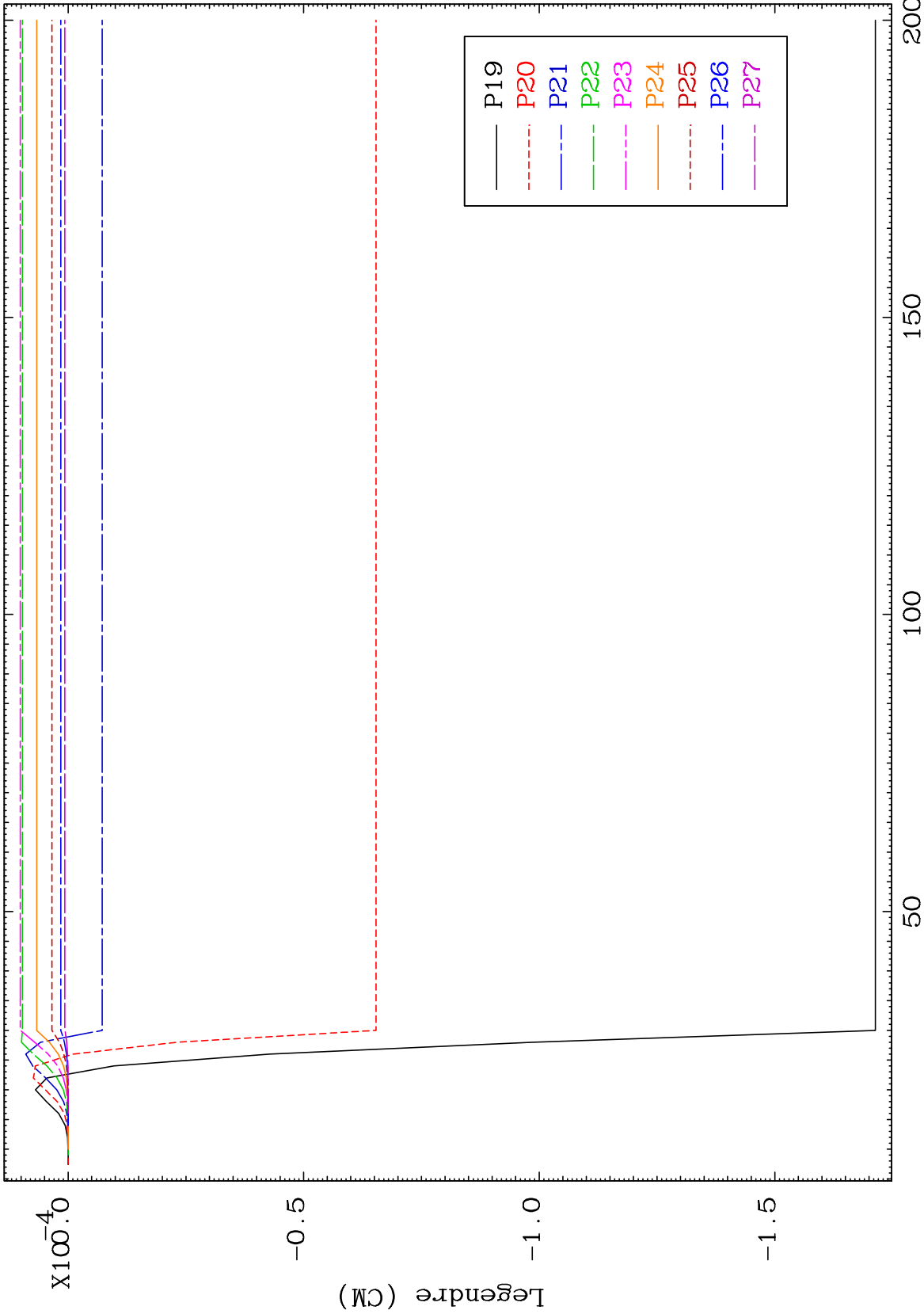
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

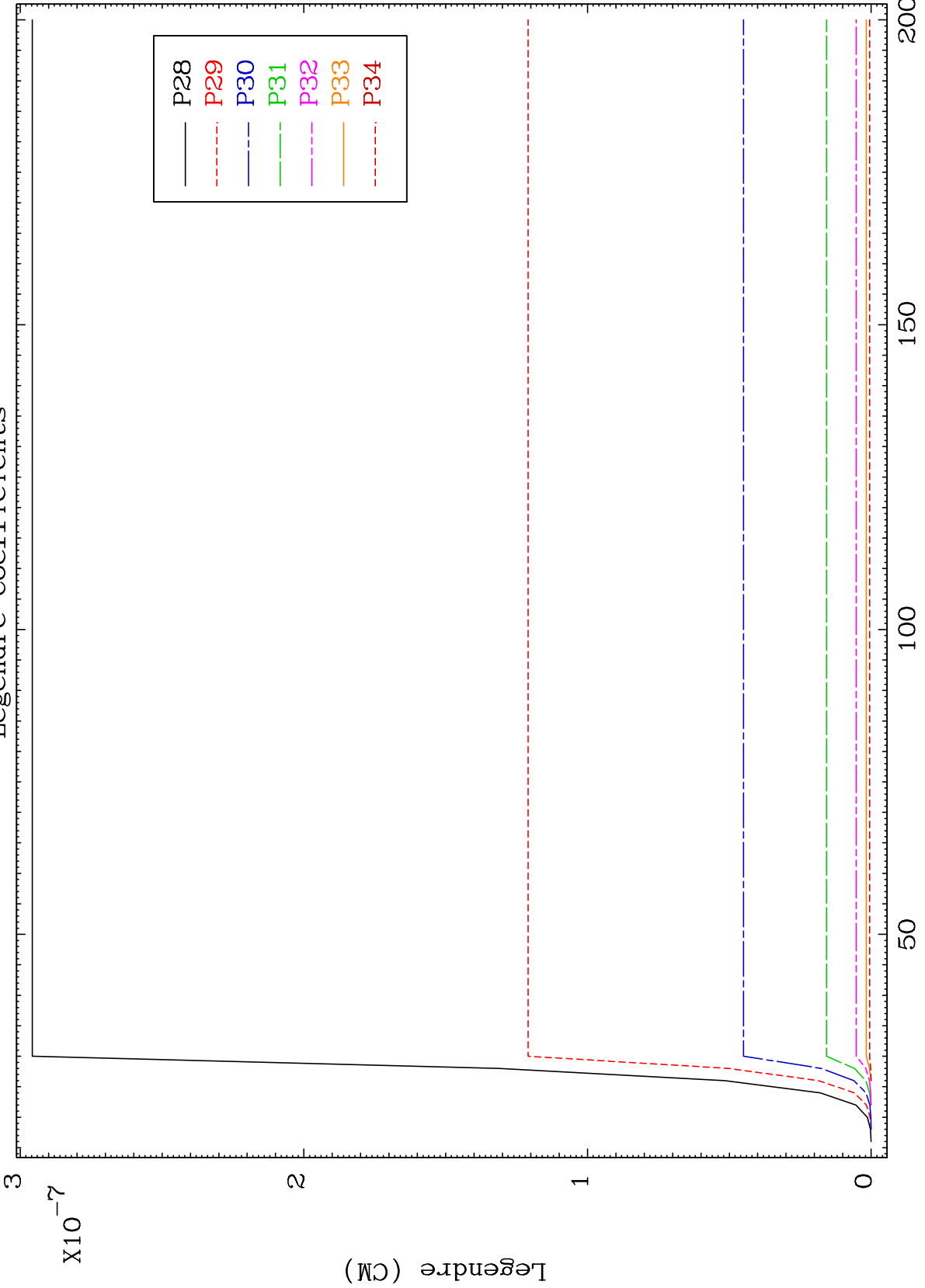
51-Sb-114



MAT 5104

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

51-Sb-114



45

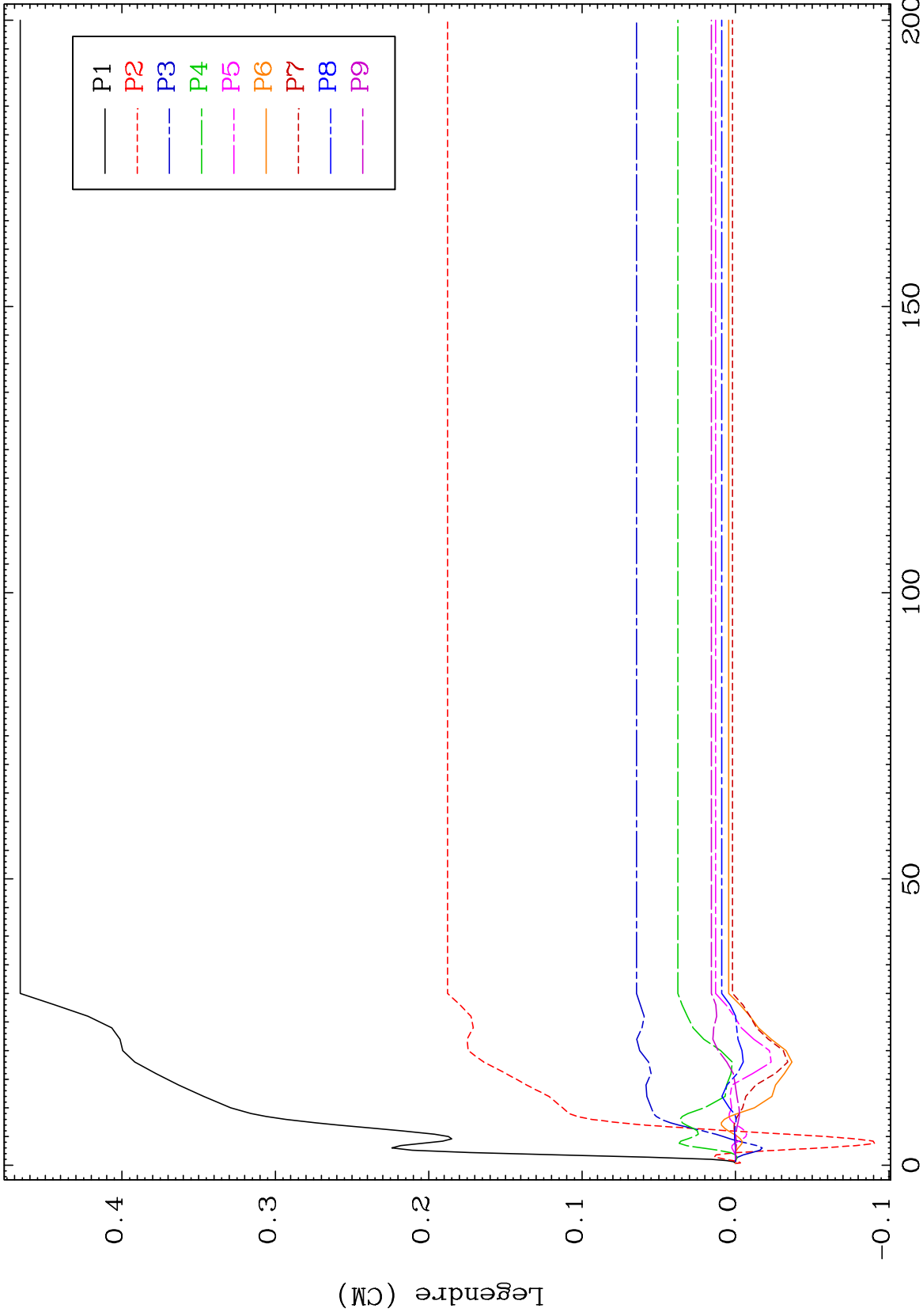
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



46

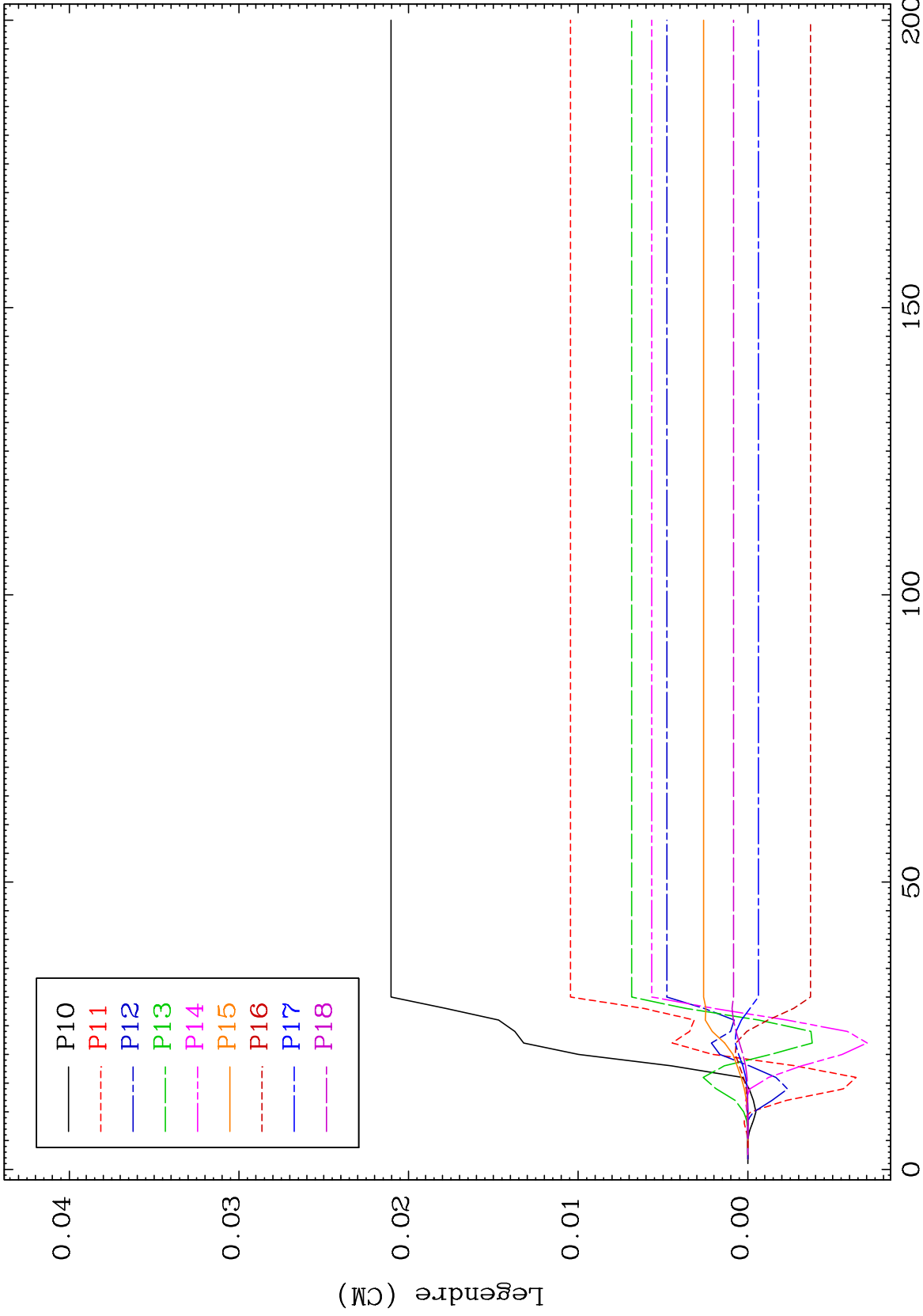
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



47

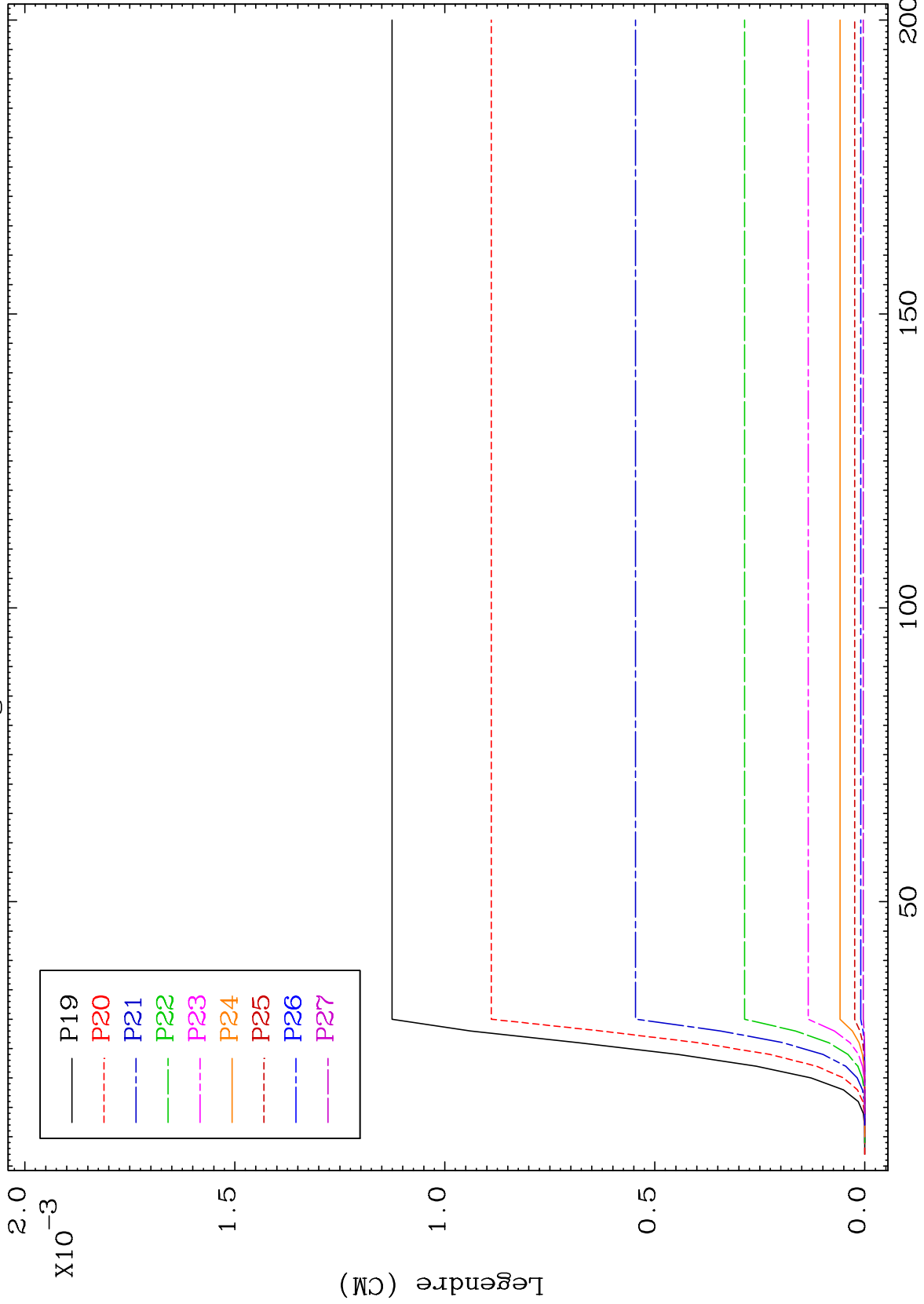
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



48

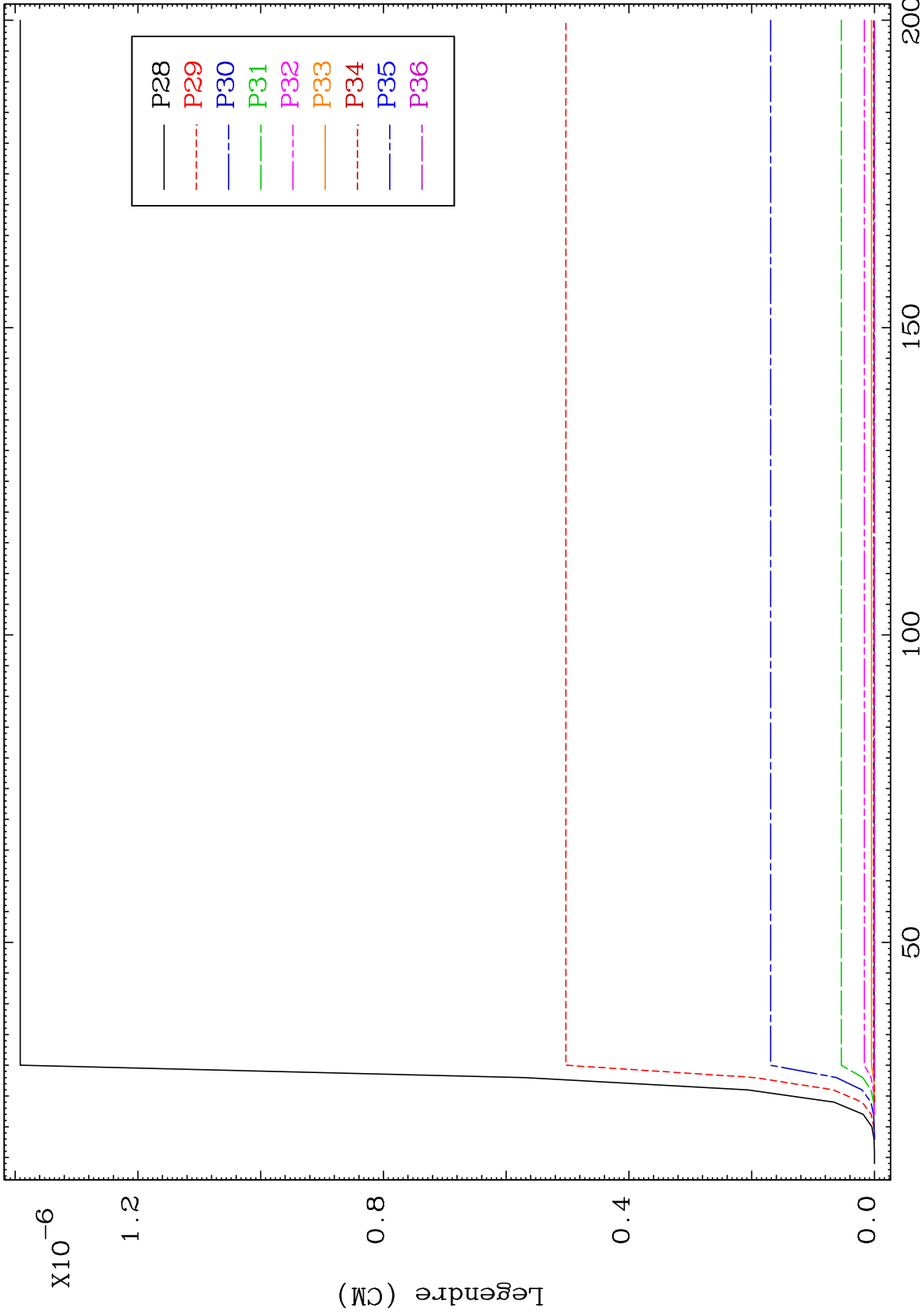
51-Sb-114

200

MAT 5104

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

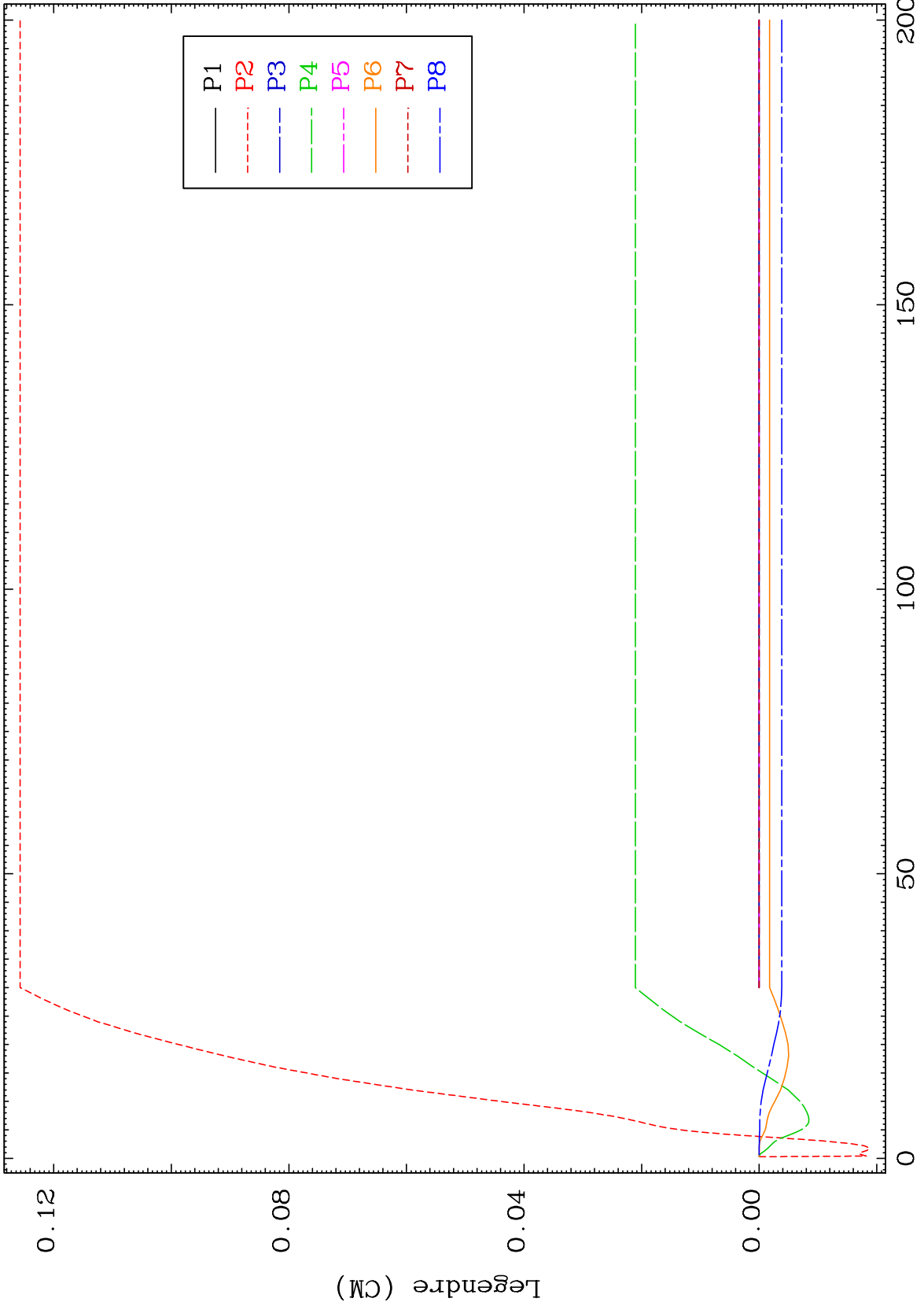
51-Sb-114



49

51-Sb-114

MAT 5104 MT= 59 (n,n') Level Legendre Coefficients 51-Sb-114

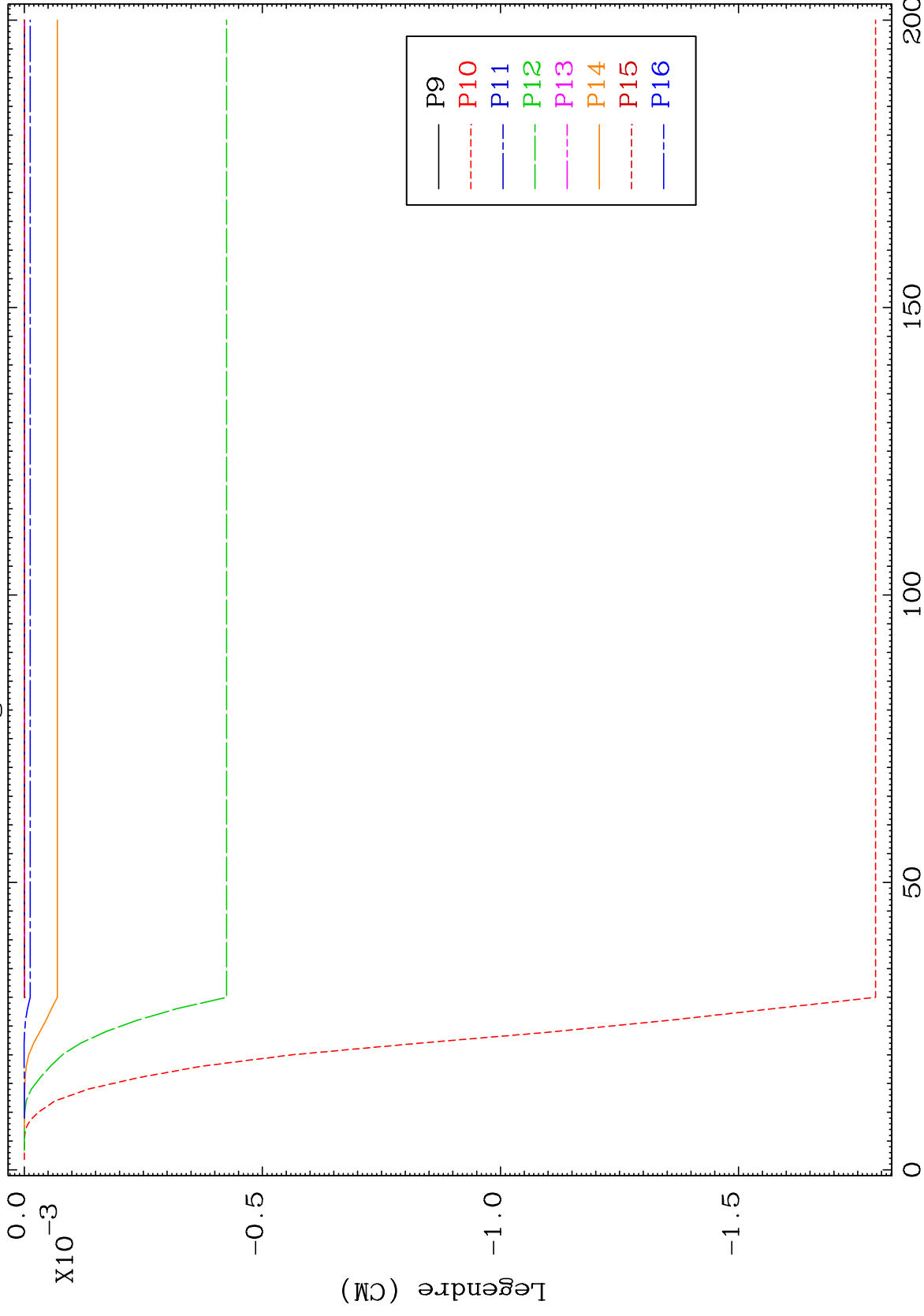


51-Sb-114

MAT 5104

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

51-Sb-114

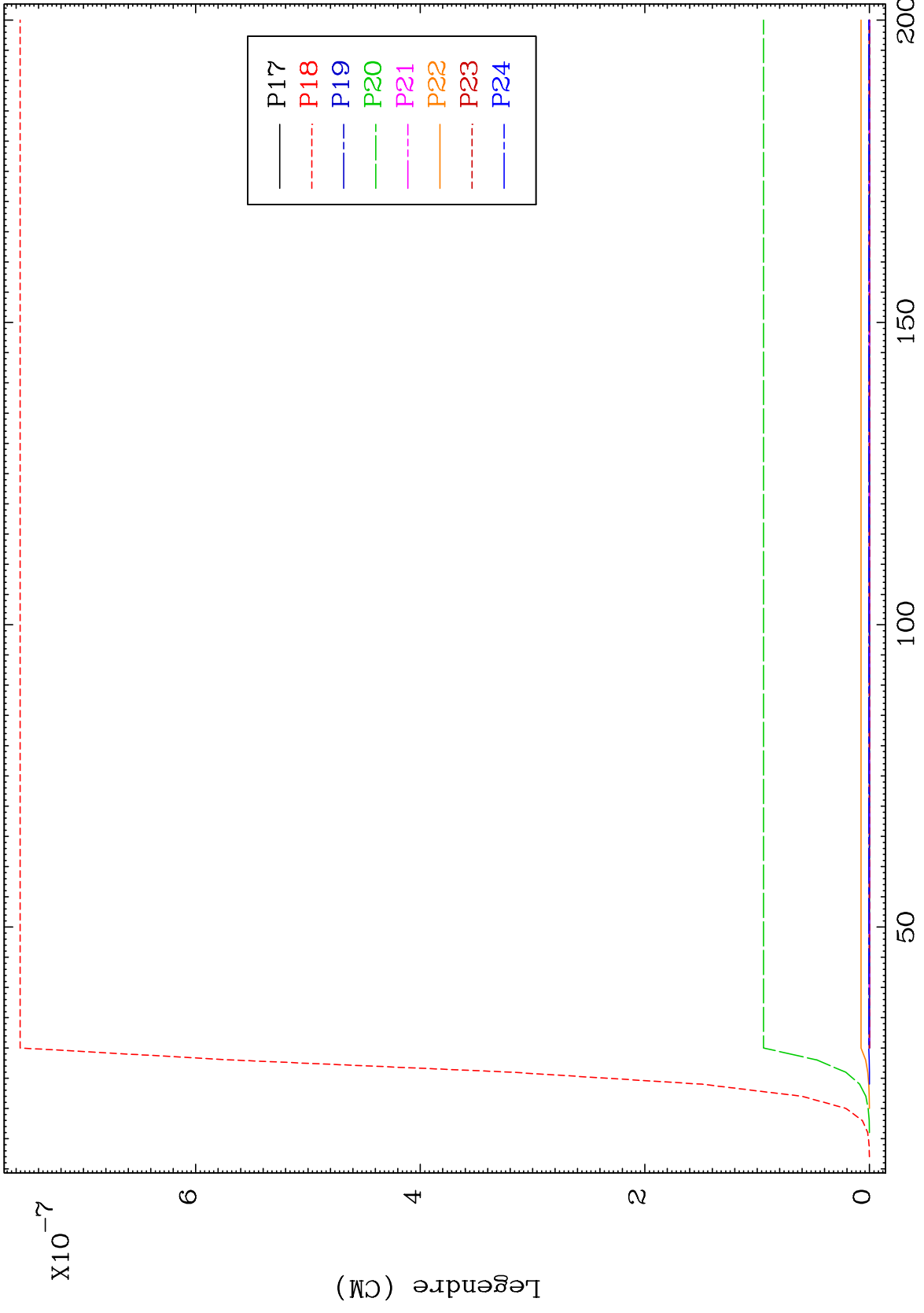


51-Sb-114

Incident Energy (MeV)

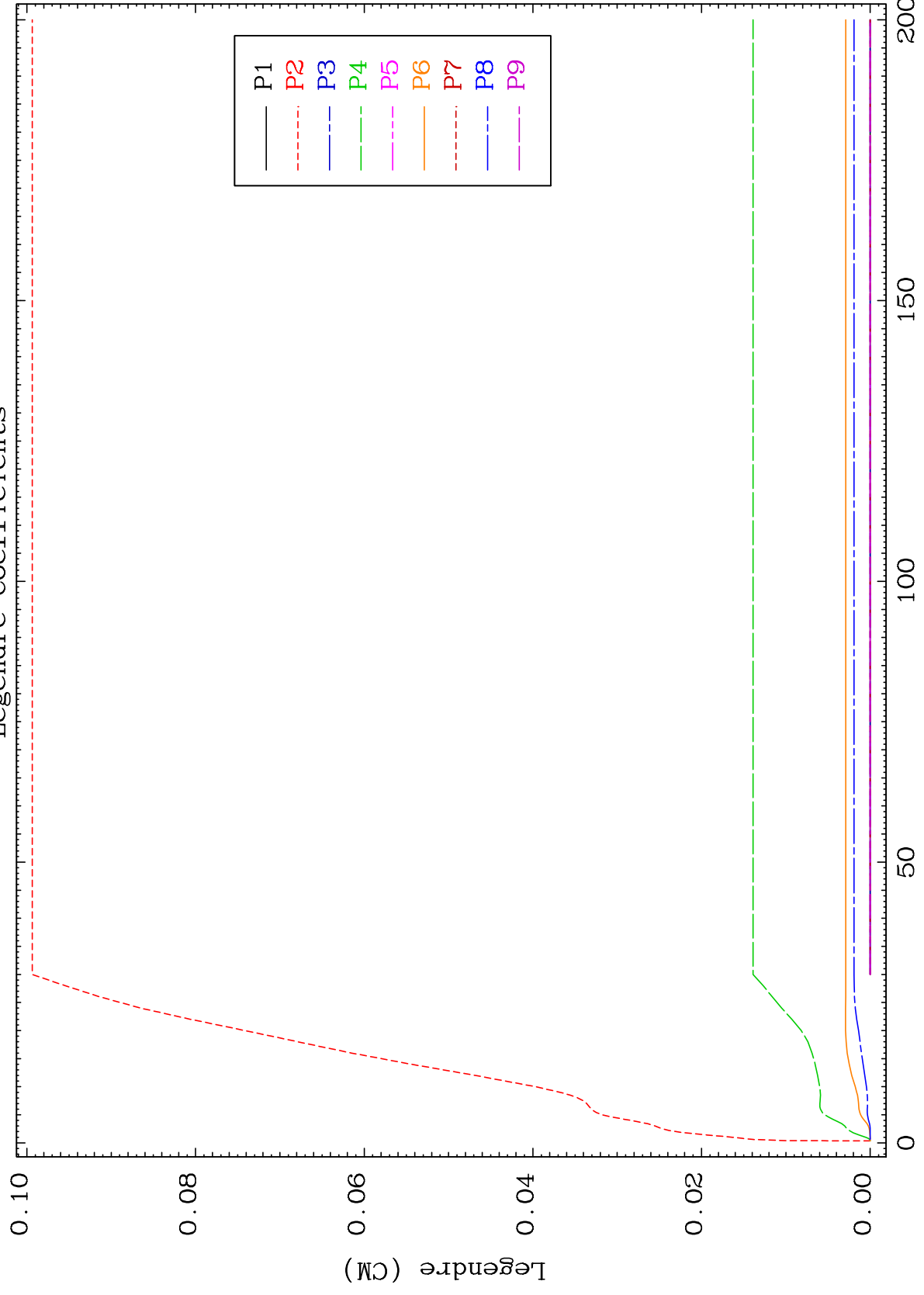
51

MAT 5104 MT= 59 (n,n') Level Legendre Coefficients 51-Sb-114

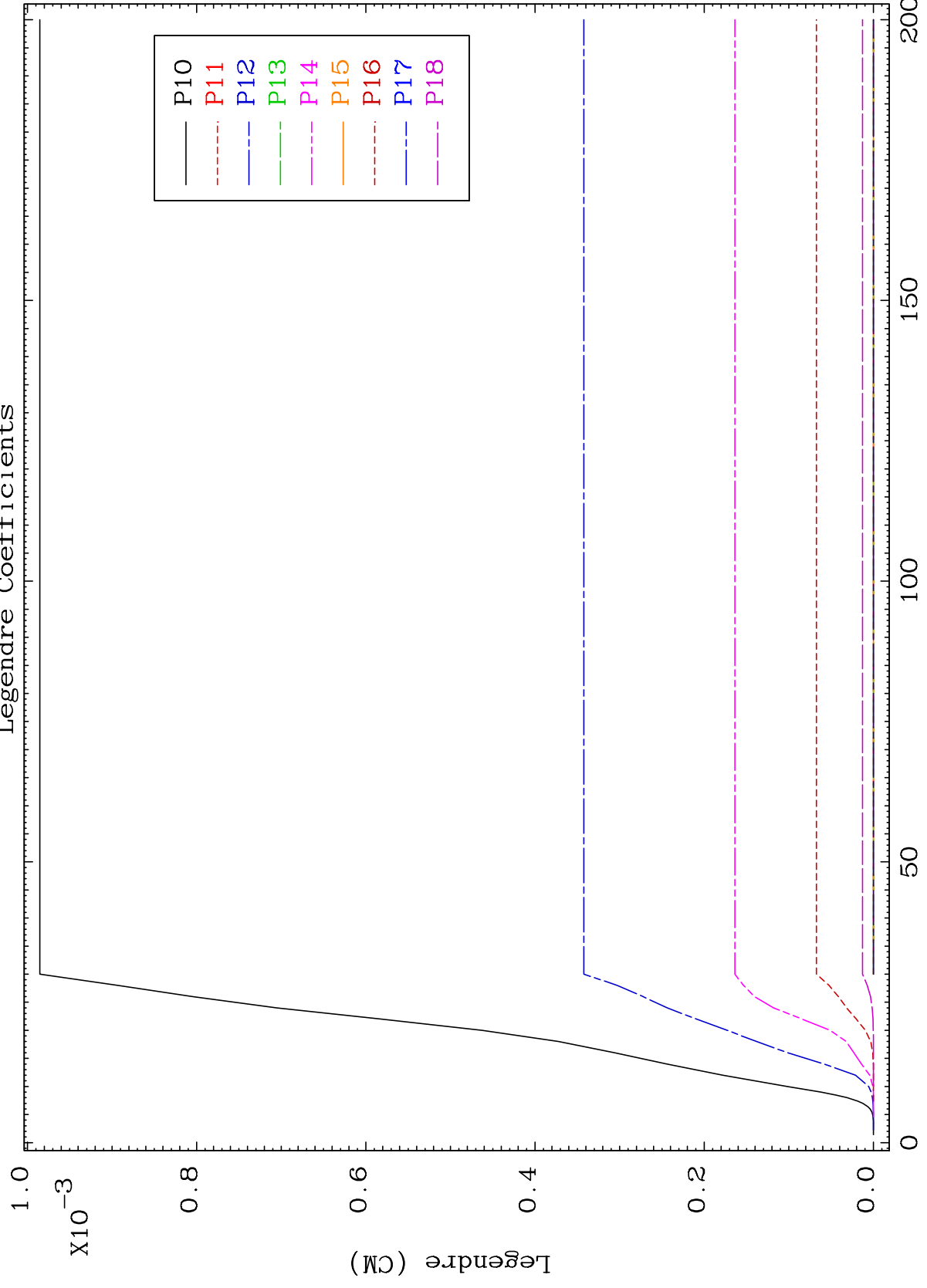


52 Incident Energy (MeV) 51-Sb-114

MAT 5104 MT= 60 (n,n') Level Legendre Coefficients 51-Sb-114



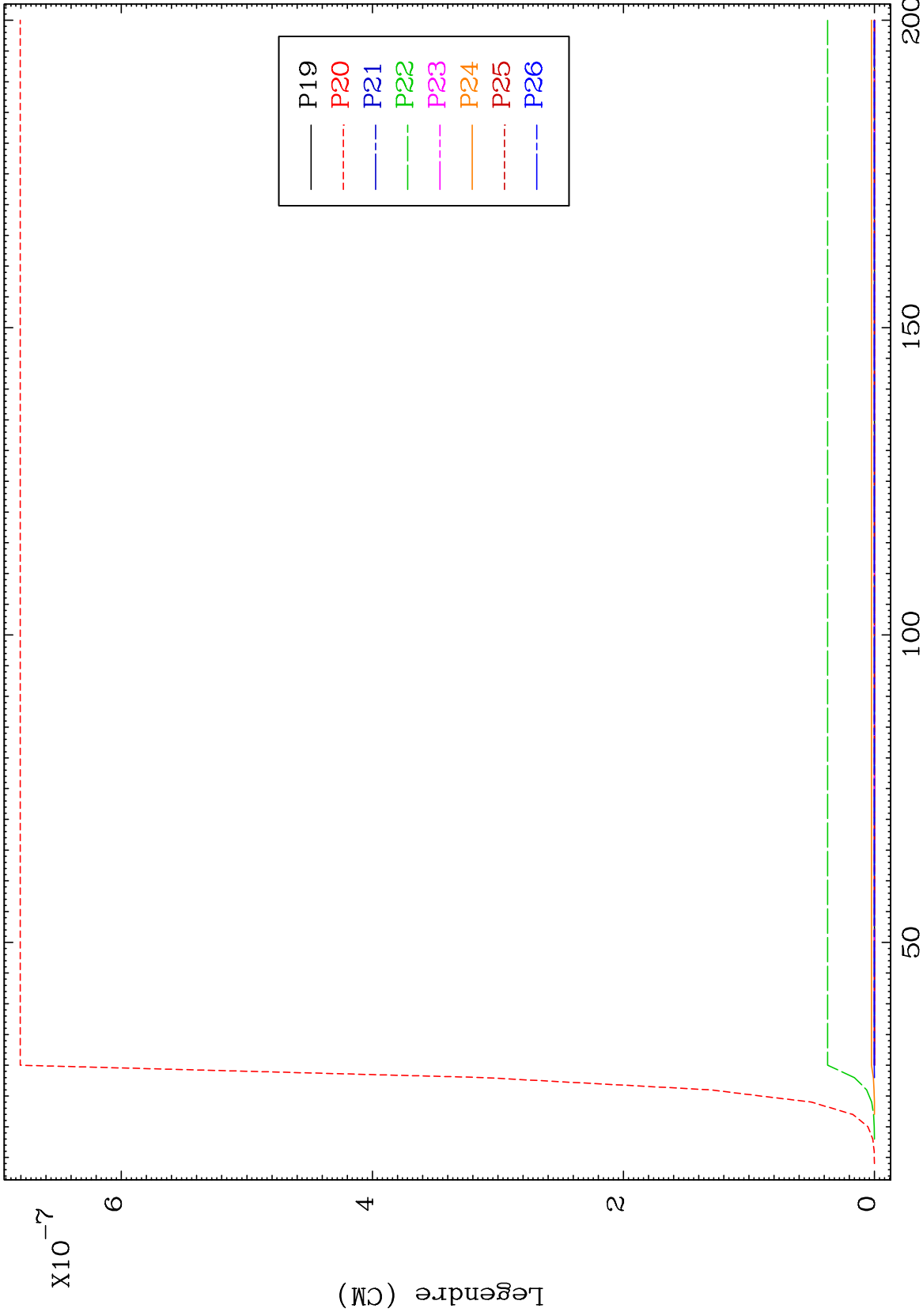
53 51-Sb-114



MAT 5104

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

51-Sb-114



55

Incident Energy (MeV)

50

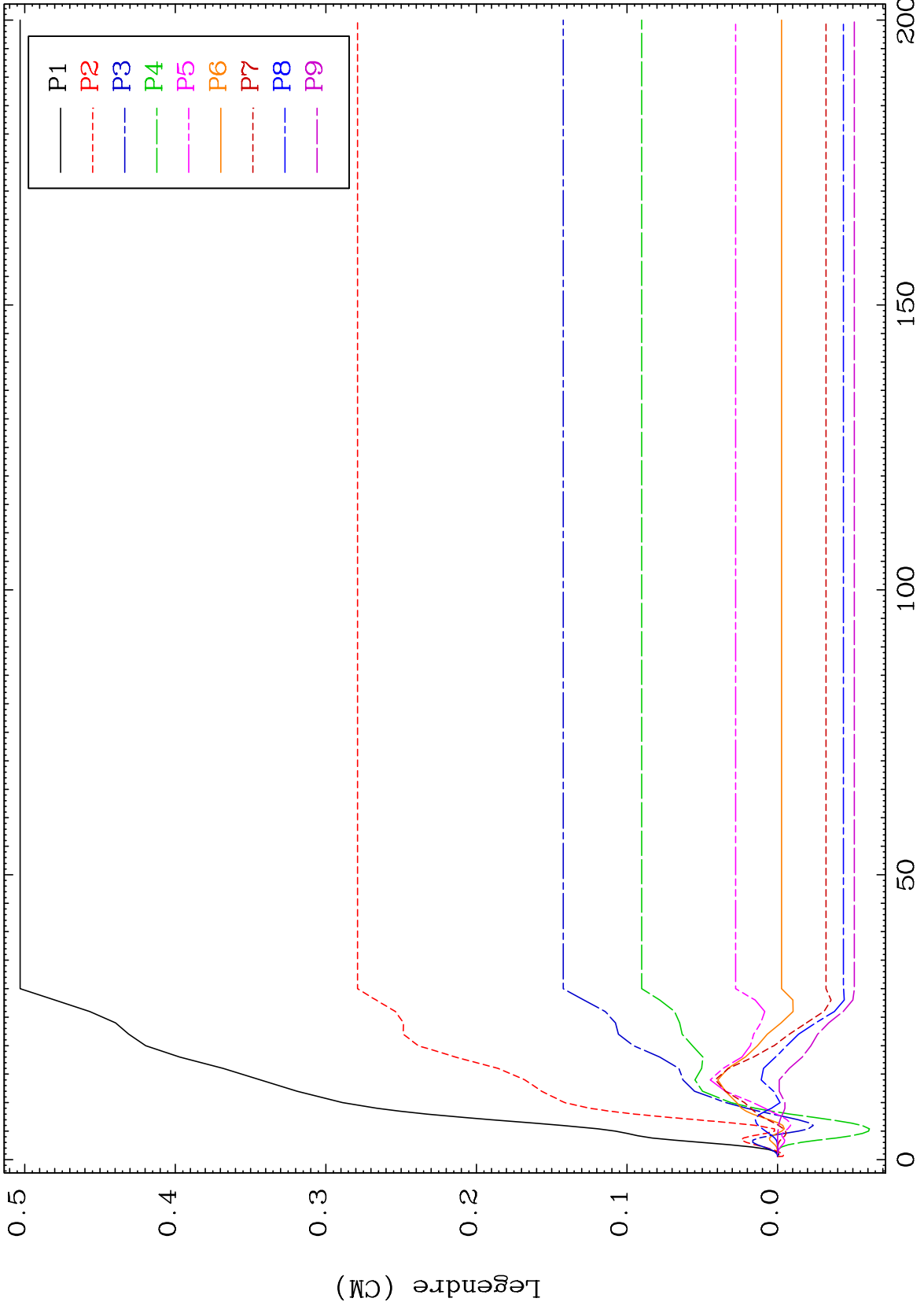
100

150

200

51-Sb-114

MAT 5104 MT= 61 (n,n') Level Legendre Coefficients 51-Sb-114

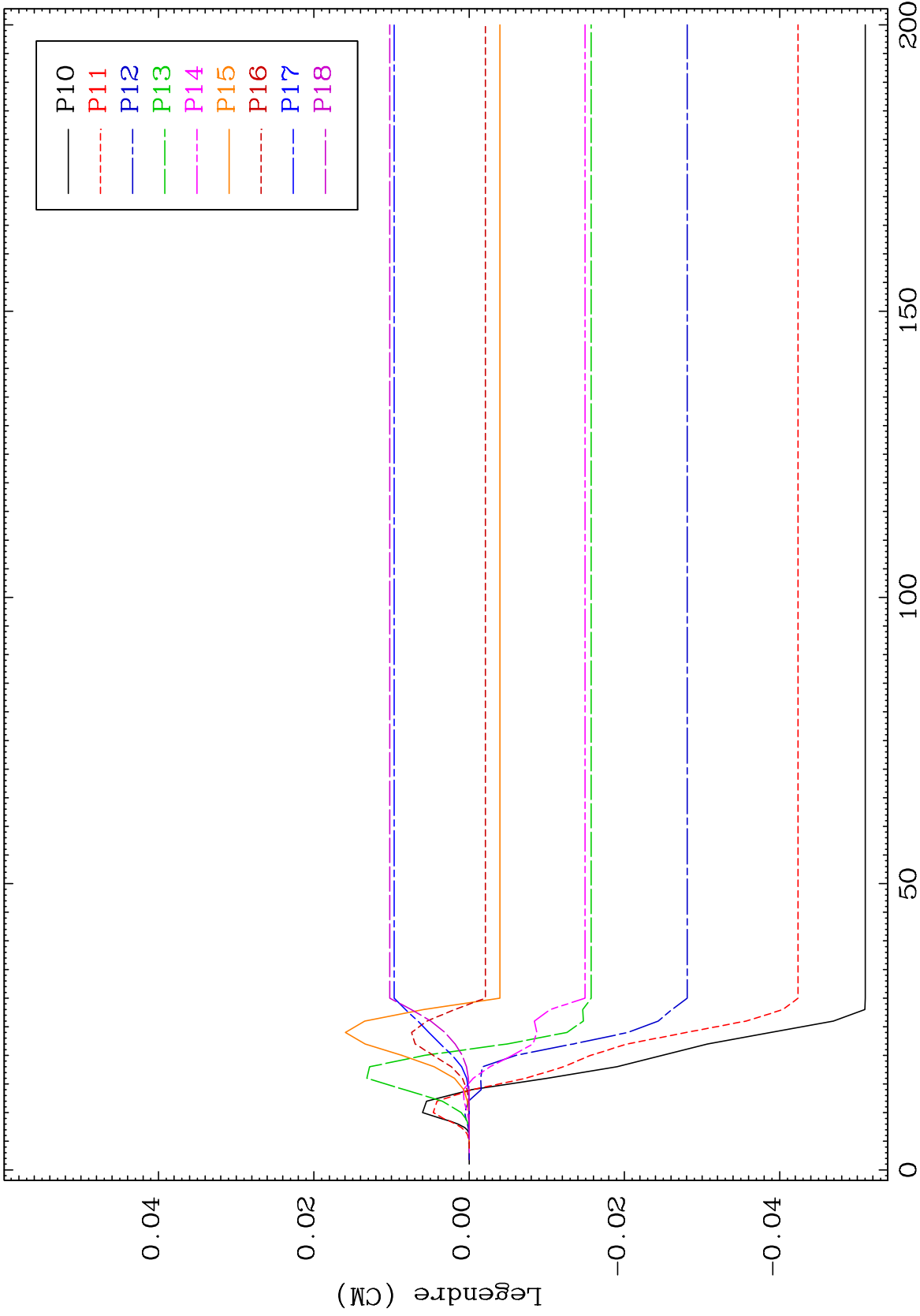


56 51-Sb-114

MAT 5104

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

51-Sb-114



57

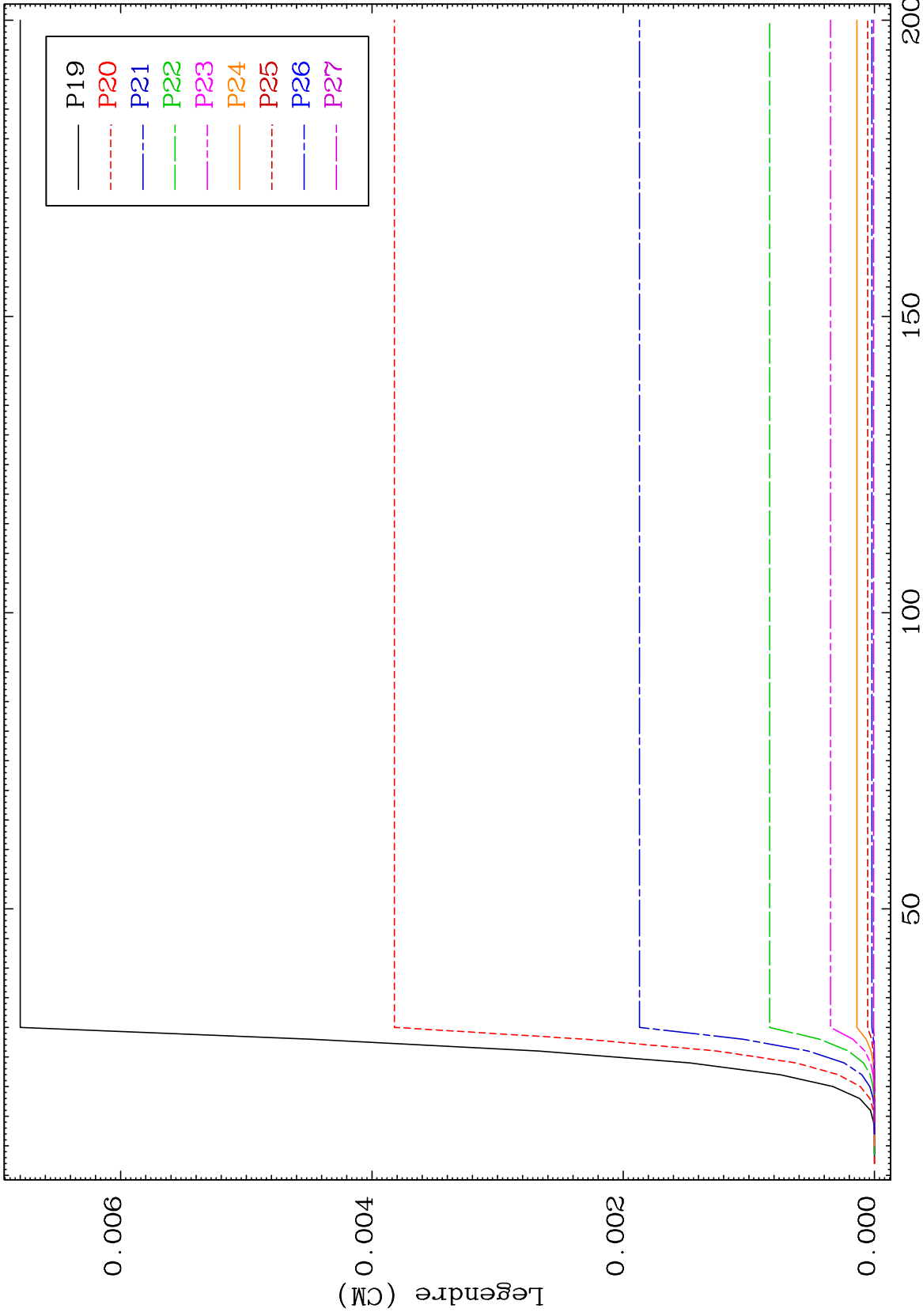
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



58

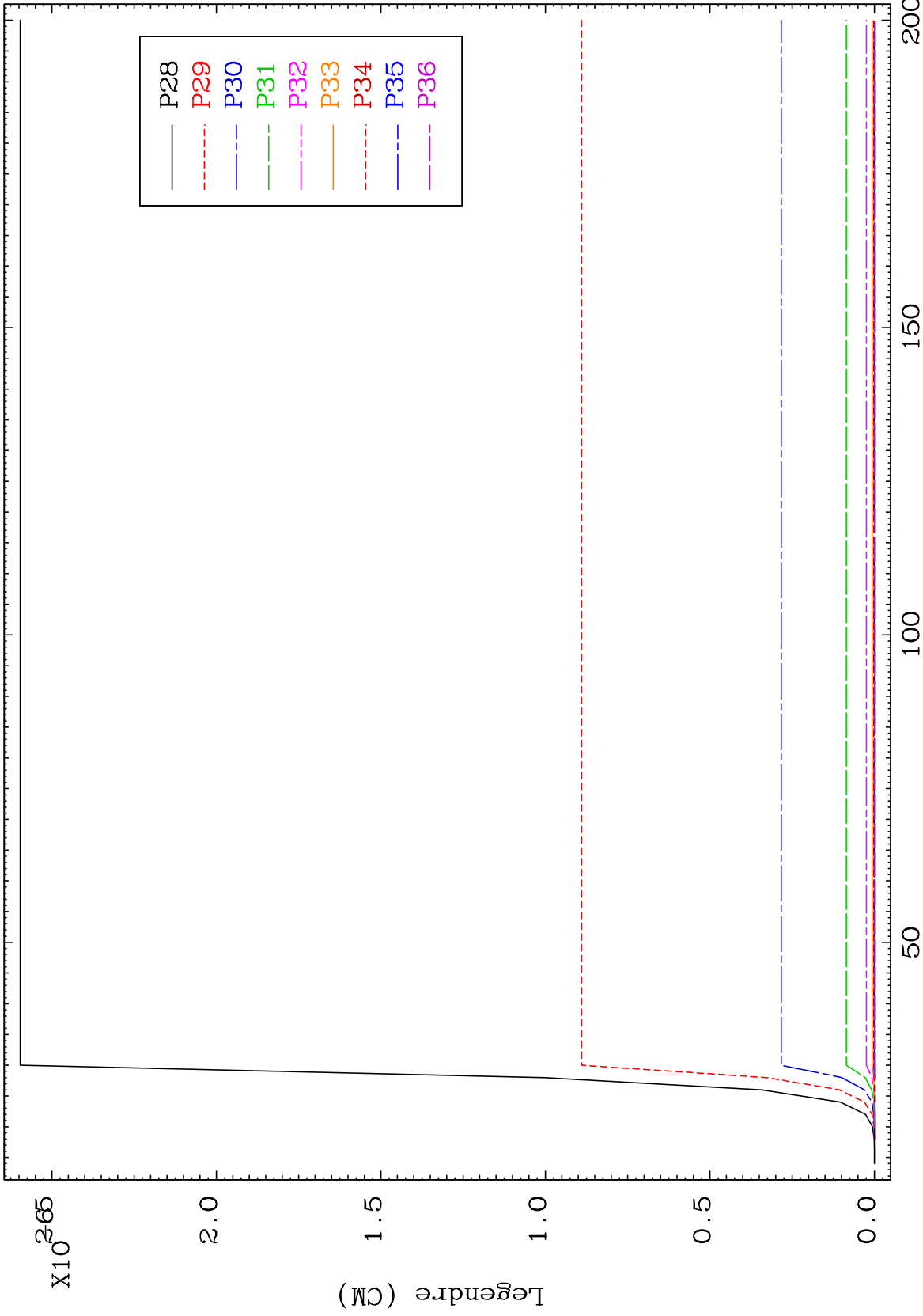
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



59

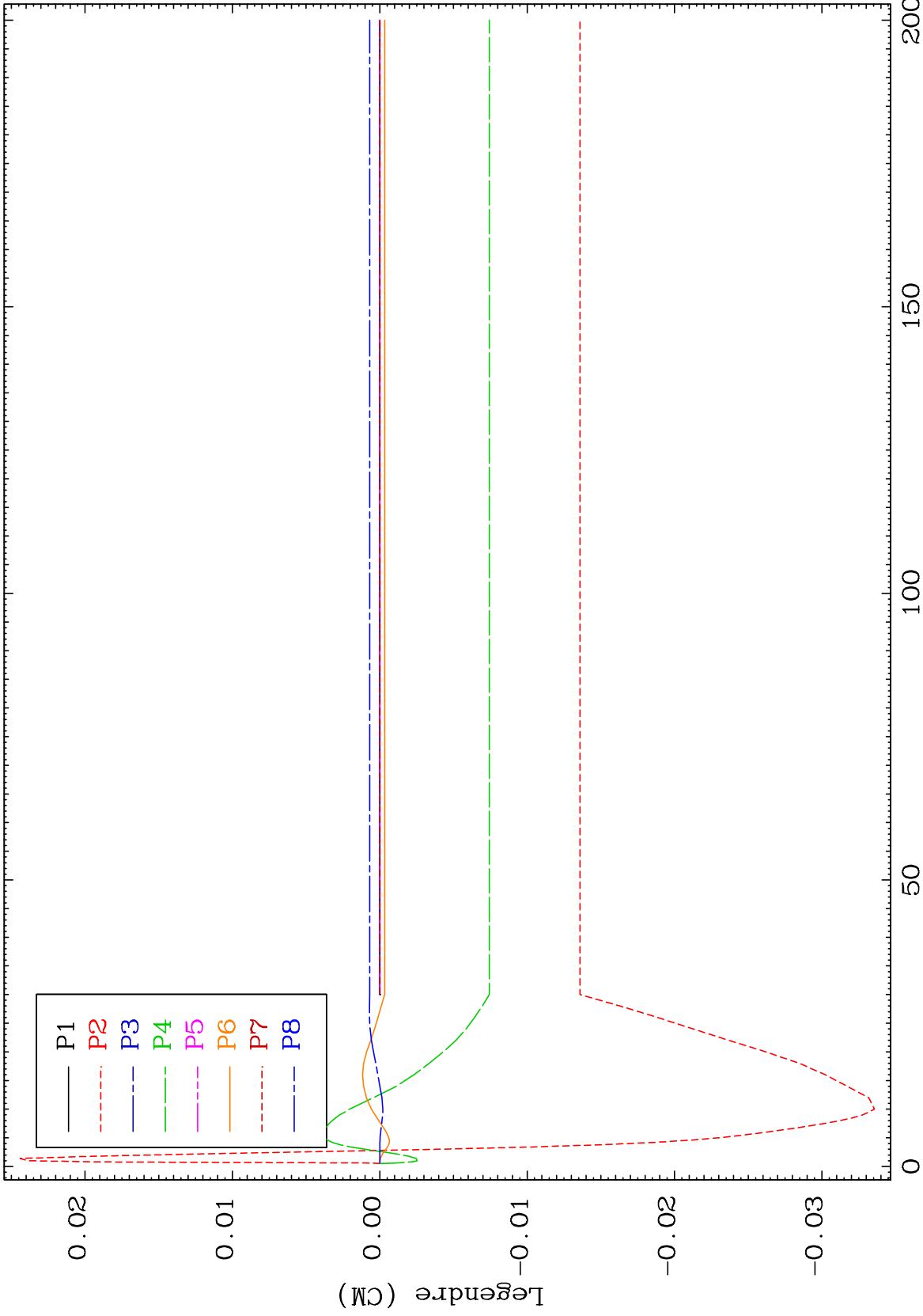
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



51-Sb-114

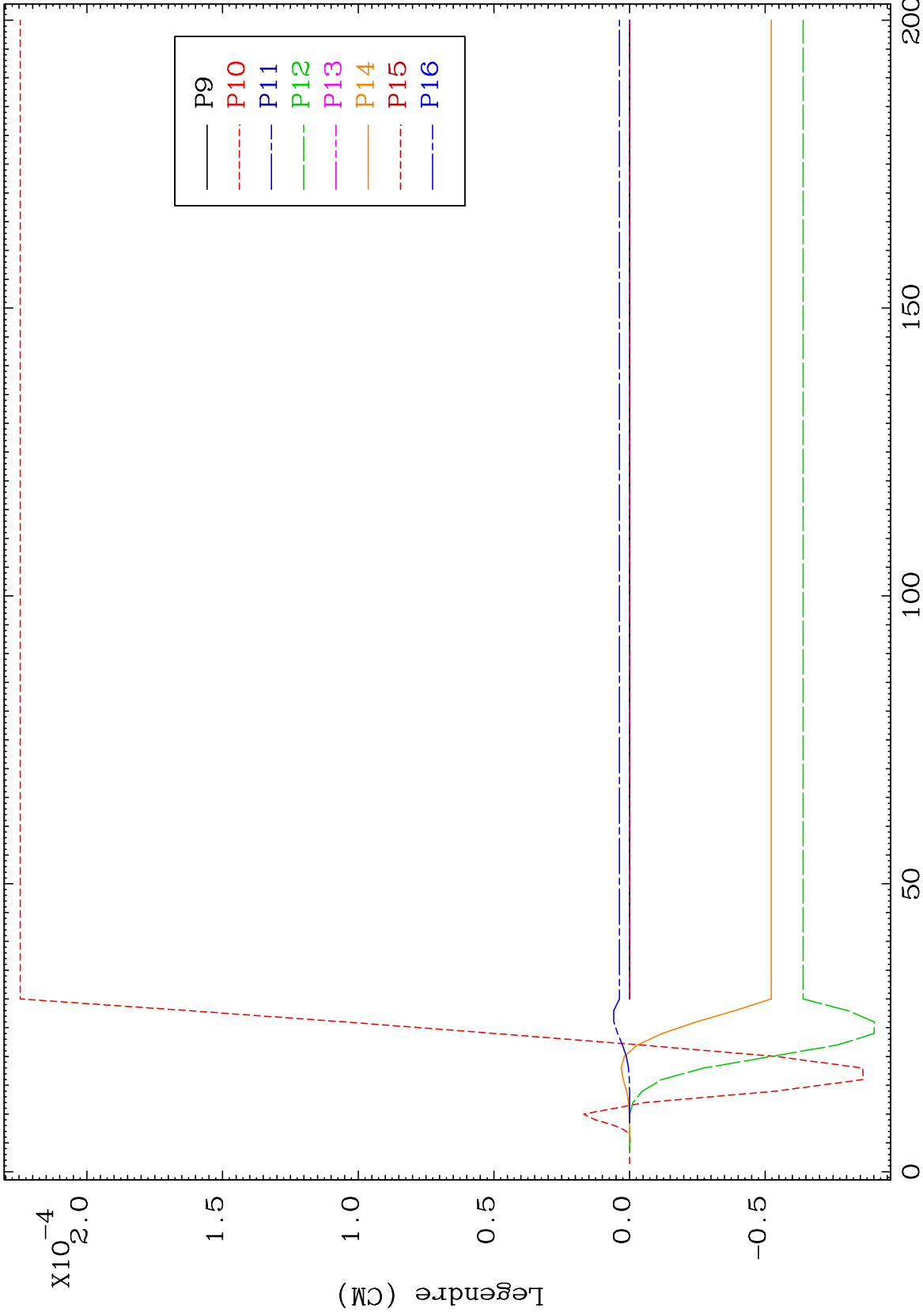
Incident Energy (MeV)

60

MAT 5104

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

51-Sb-114

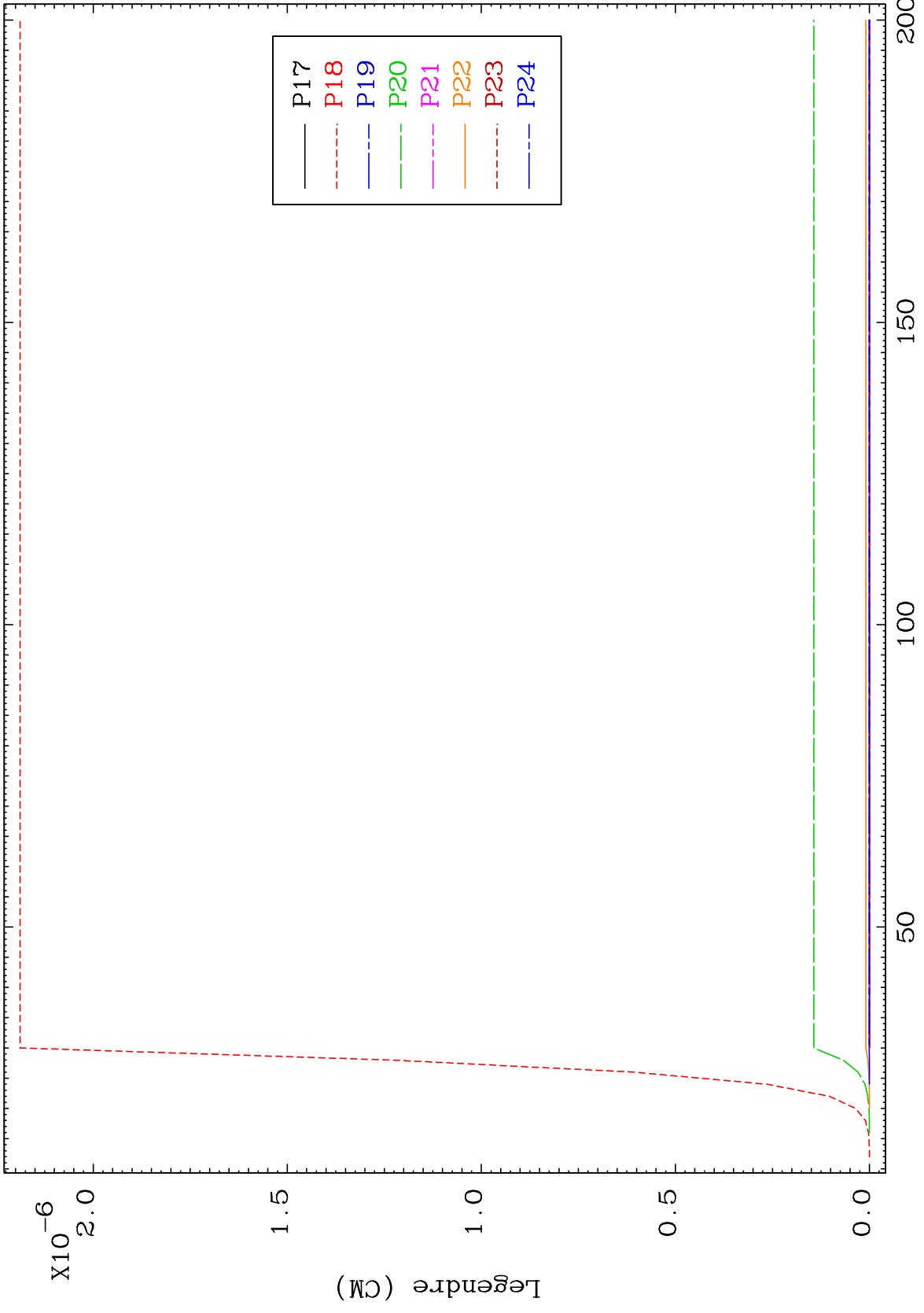


61

Incident Energy (MeV)

51-Sb-114

MAT 5104 MT= 62 (n,n') Level Legendre Coefficients 51-Sb-114

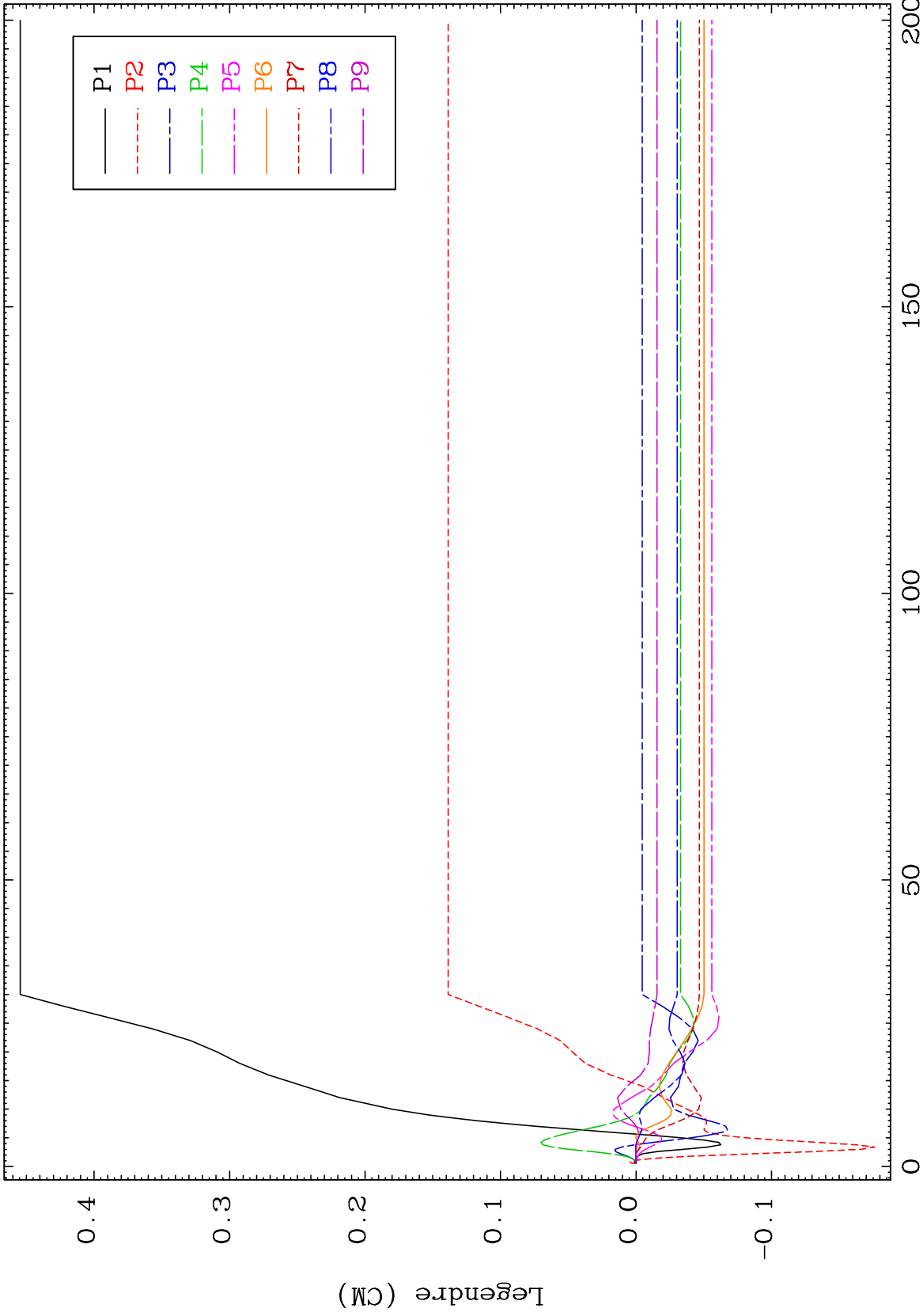


62 51-Sb-114

MAT 5104

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

51-Sb-114



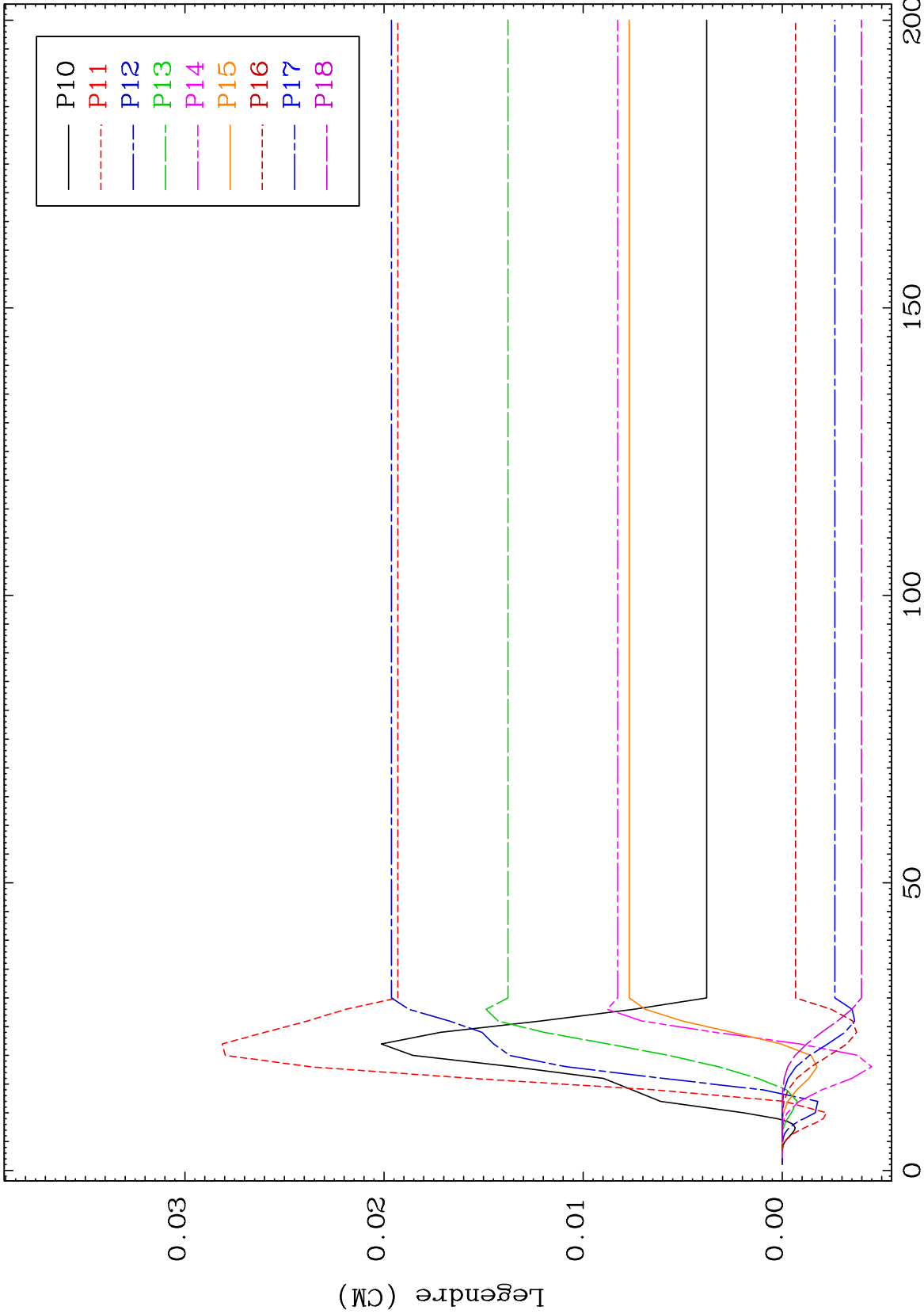
63

51-Sb-114

MAT 5104

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

51-Sb-114



64

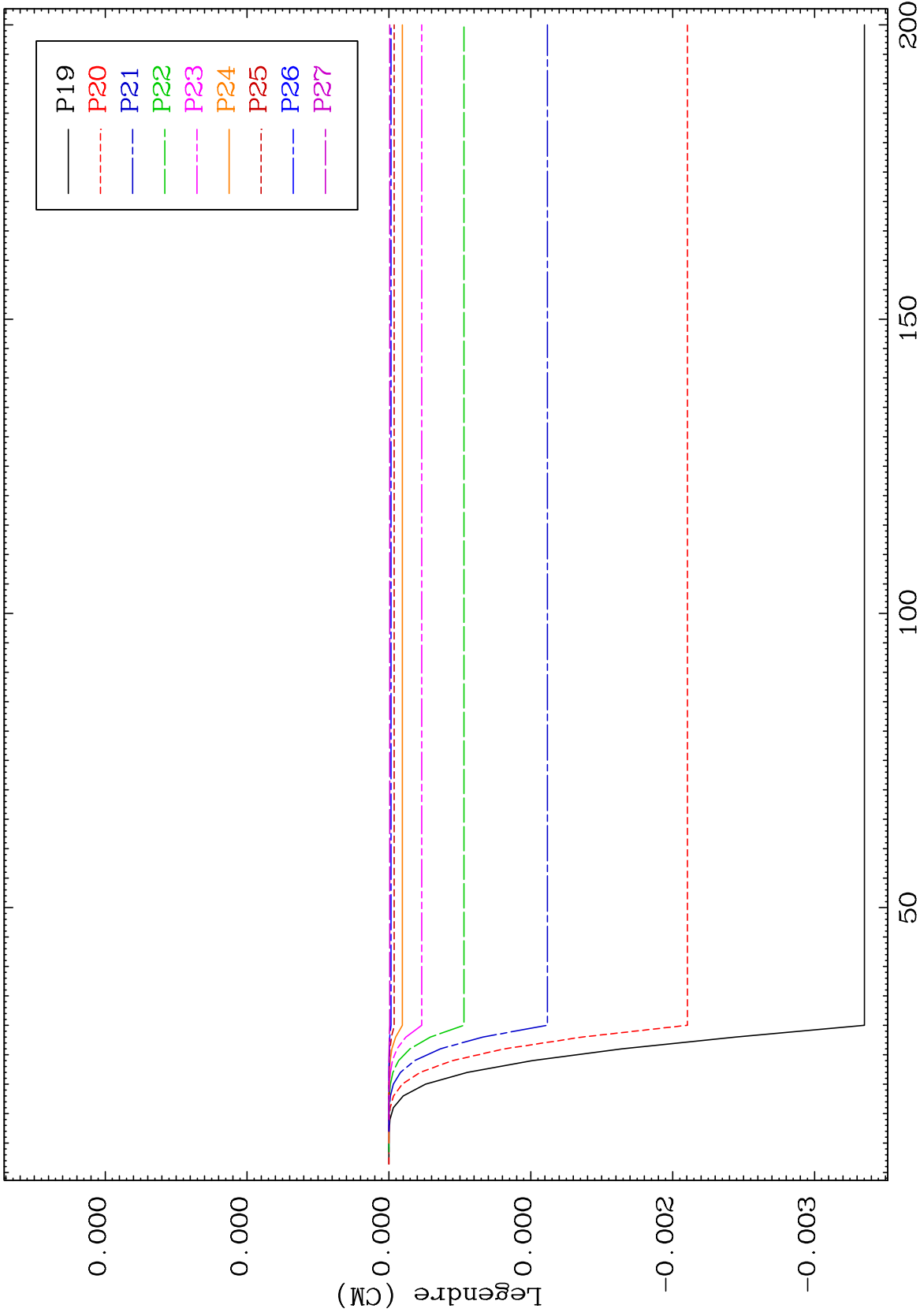
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



65

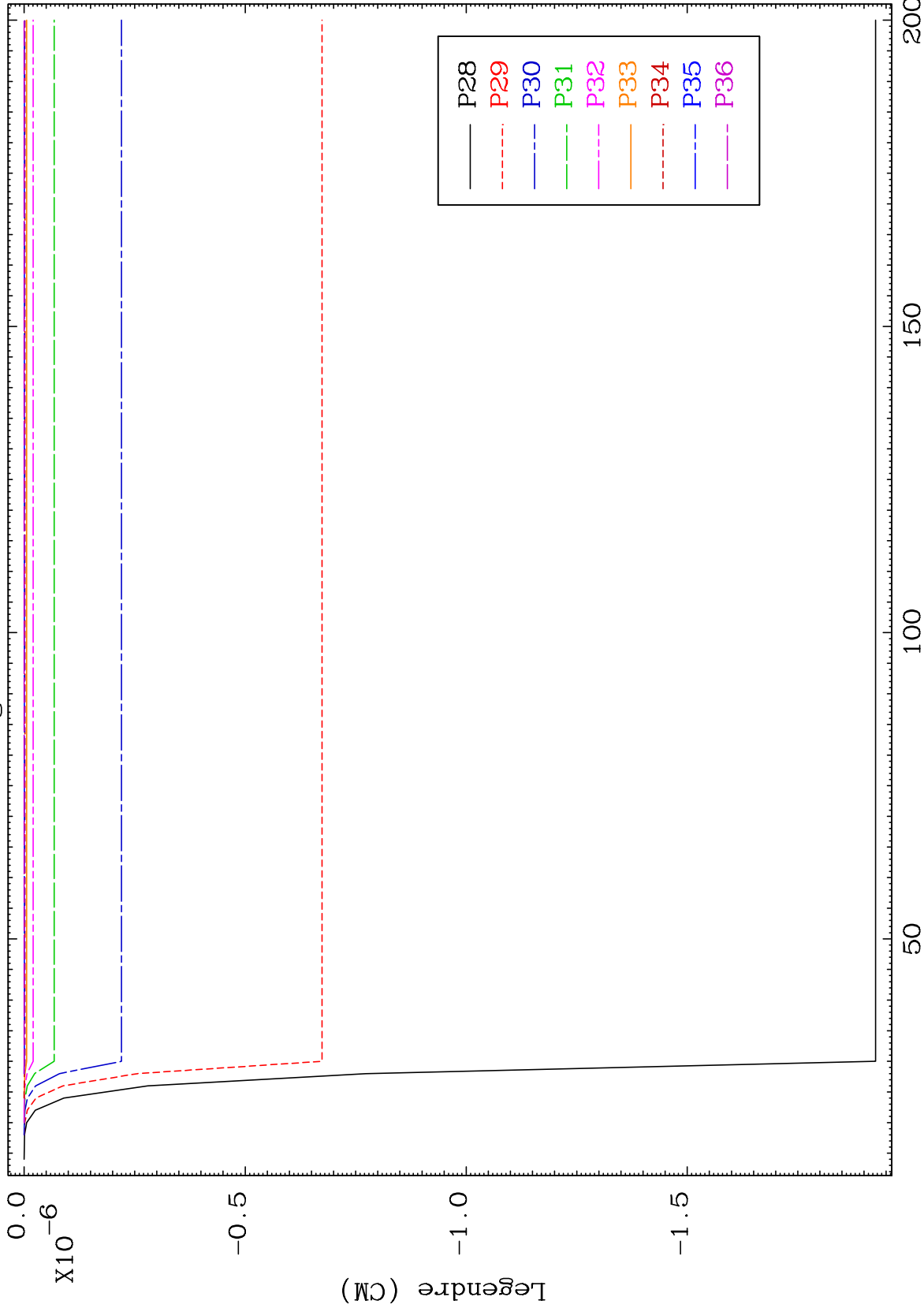
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

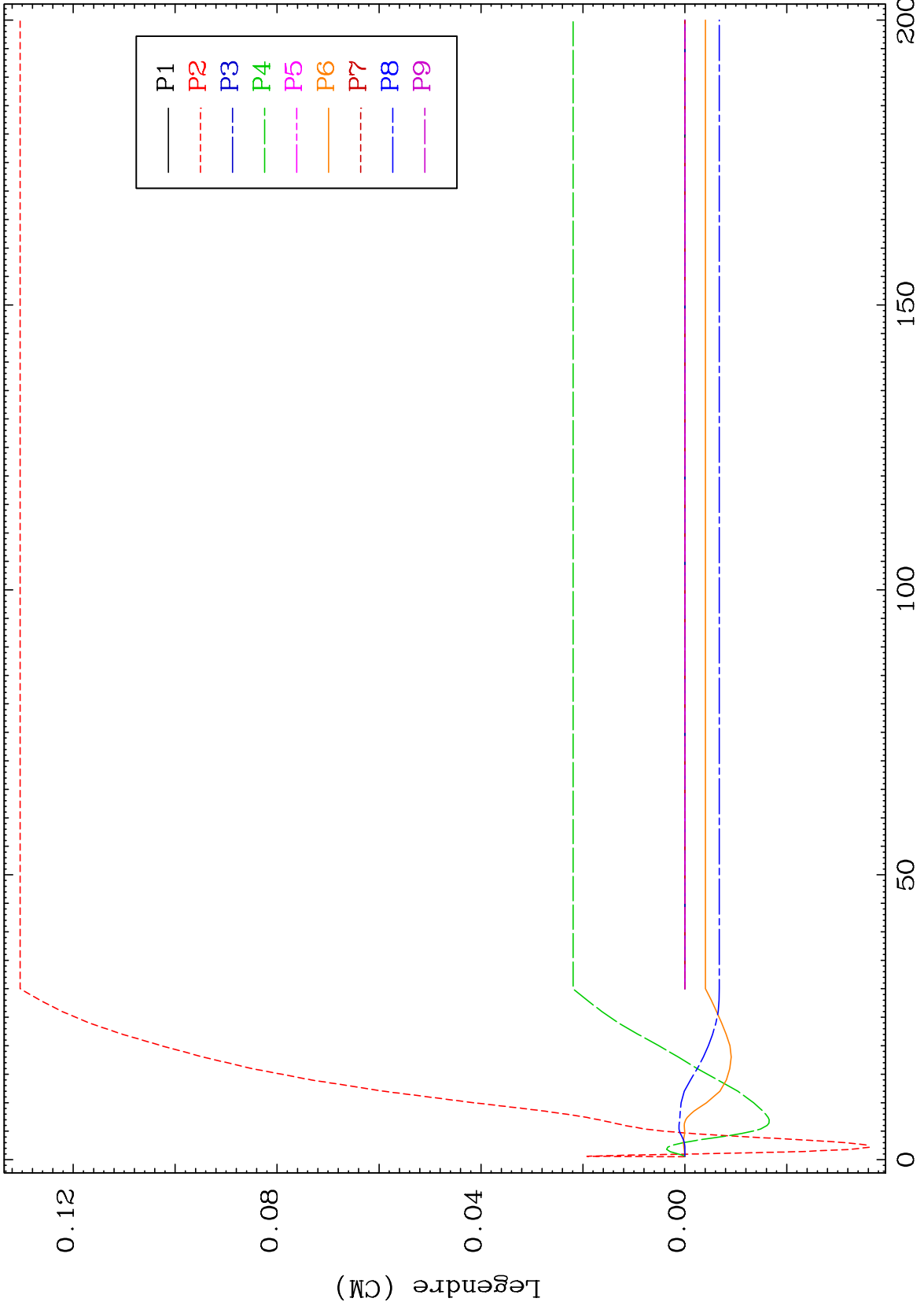
51-Sb-114



66

51-Sb-114

MAT 5104 MT= 64 (n,n') Level Legendre Coefficients 51-Sb-114

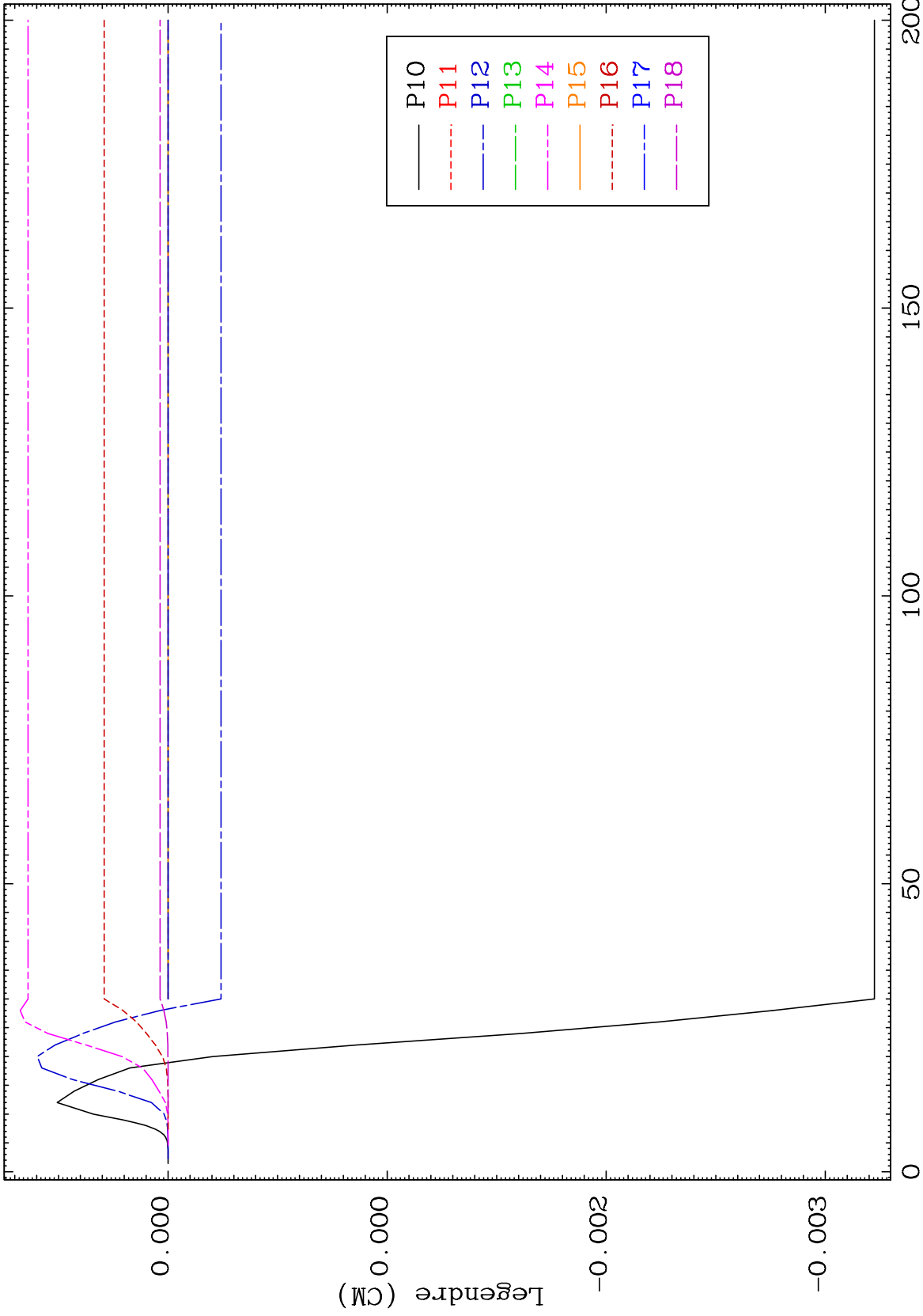


67 51-Sb-114

MAT 5104

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

51-Sb-114



68

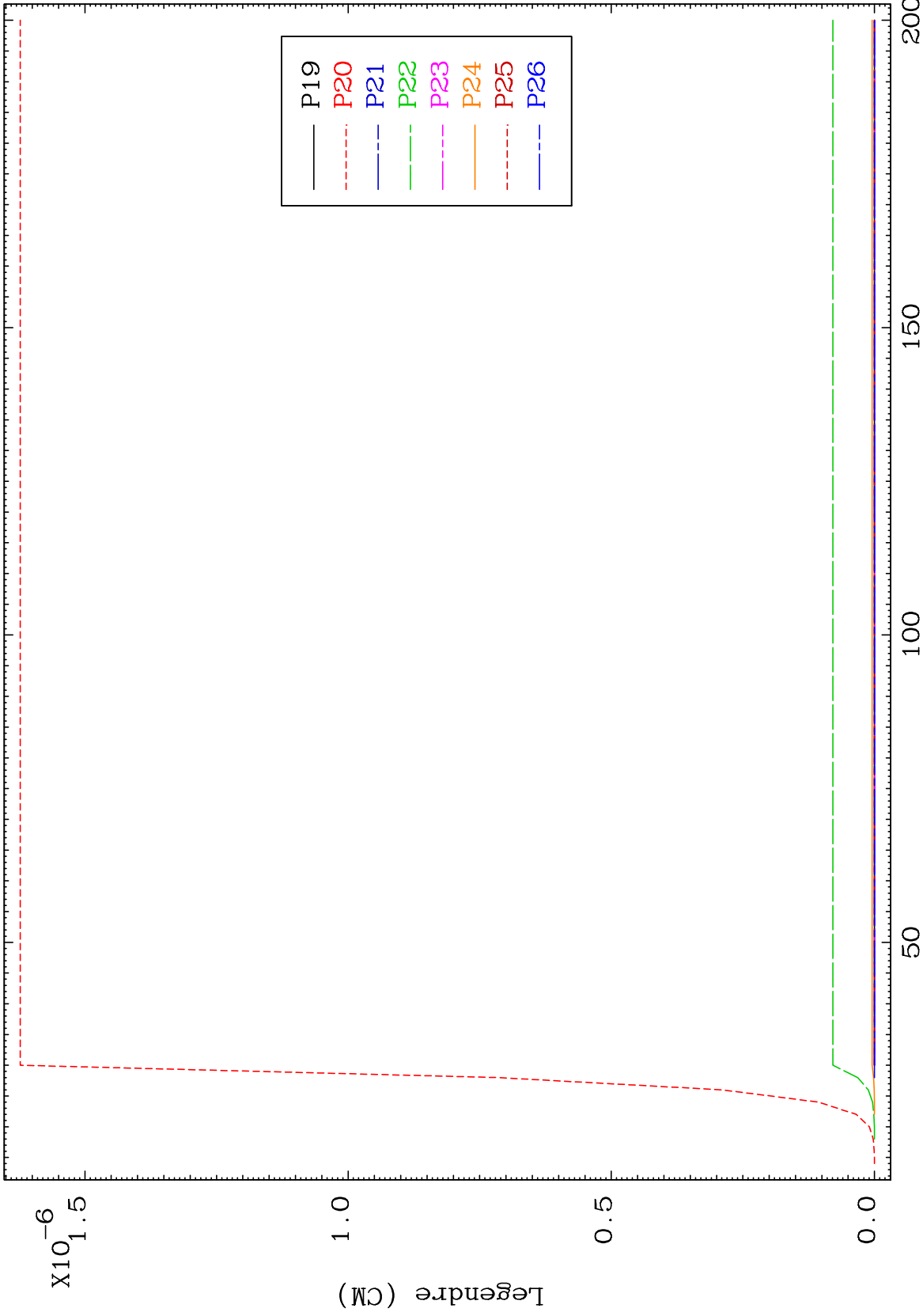
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



69

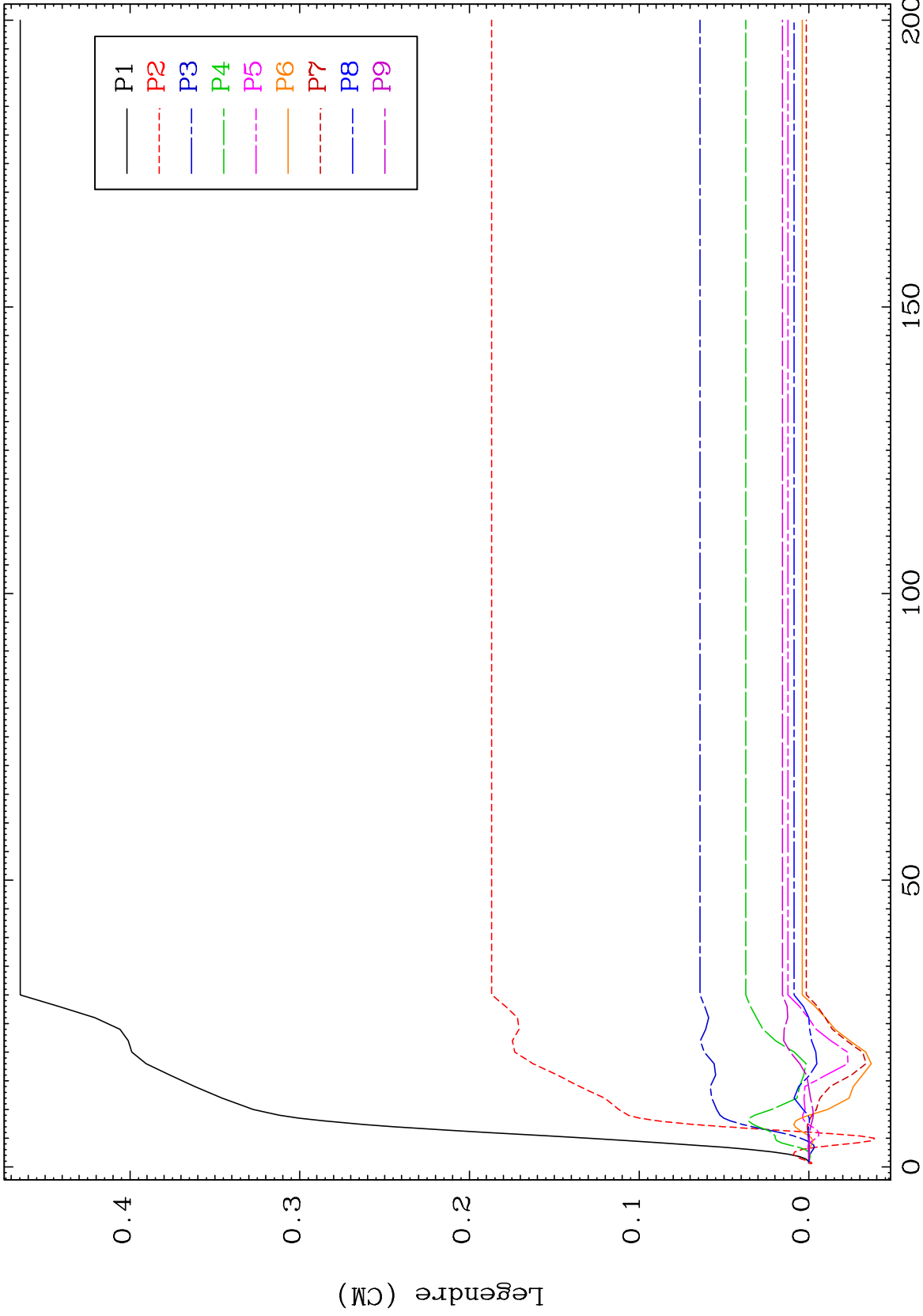
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



51-Sb-114

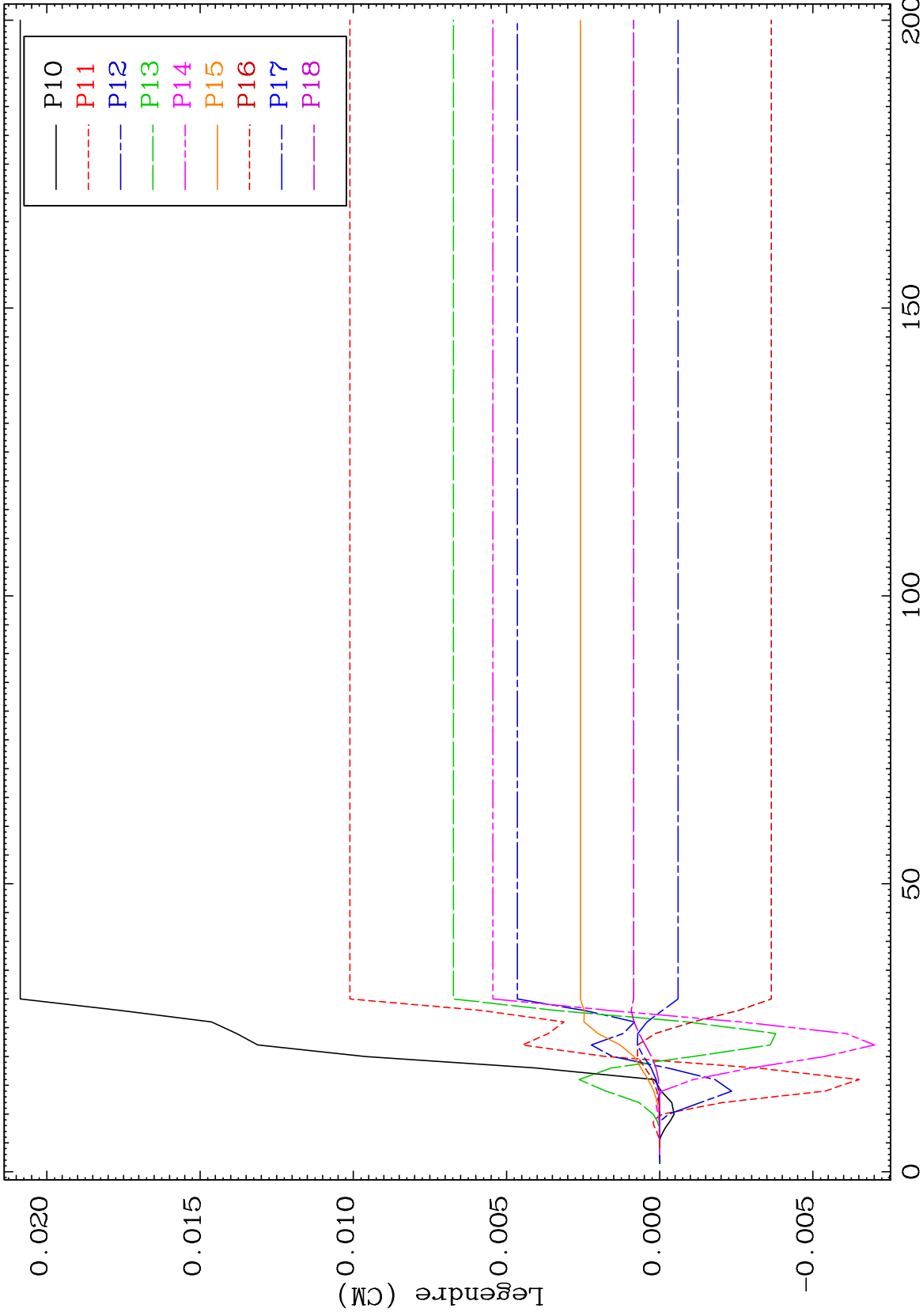
Incident Energy (MeV)

70

MAT 5104

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

51-Sb-114



71

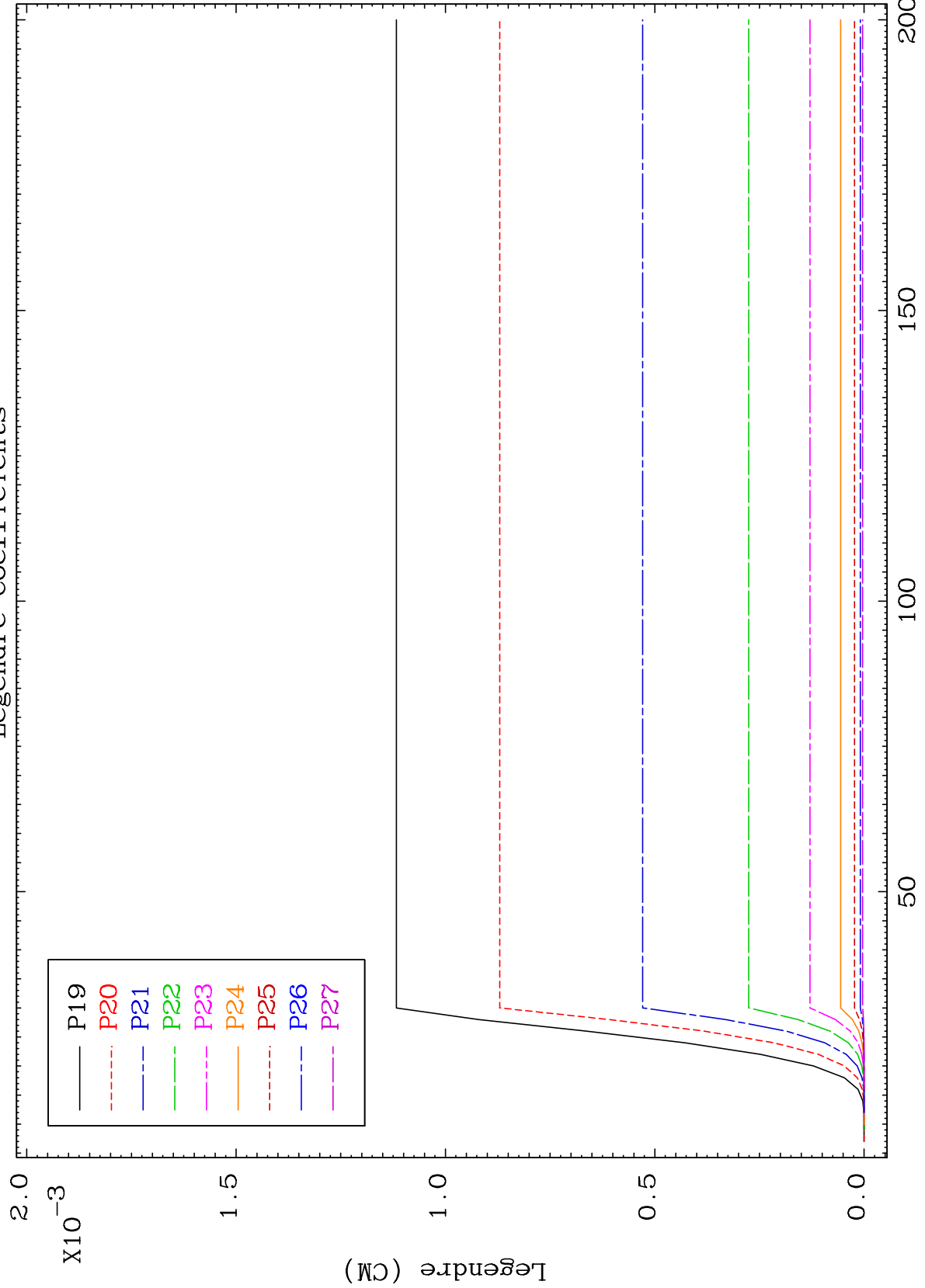
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



72

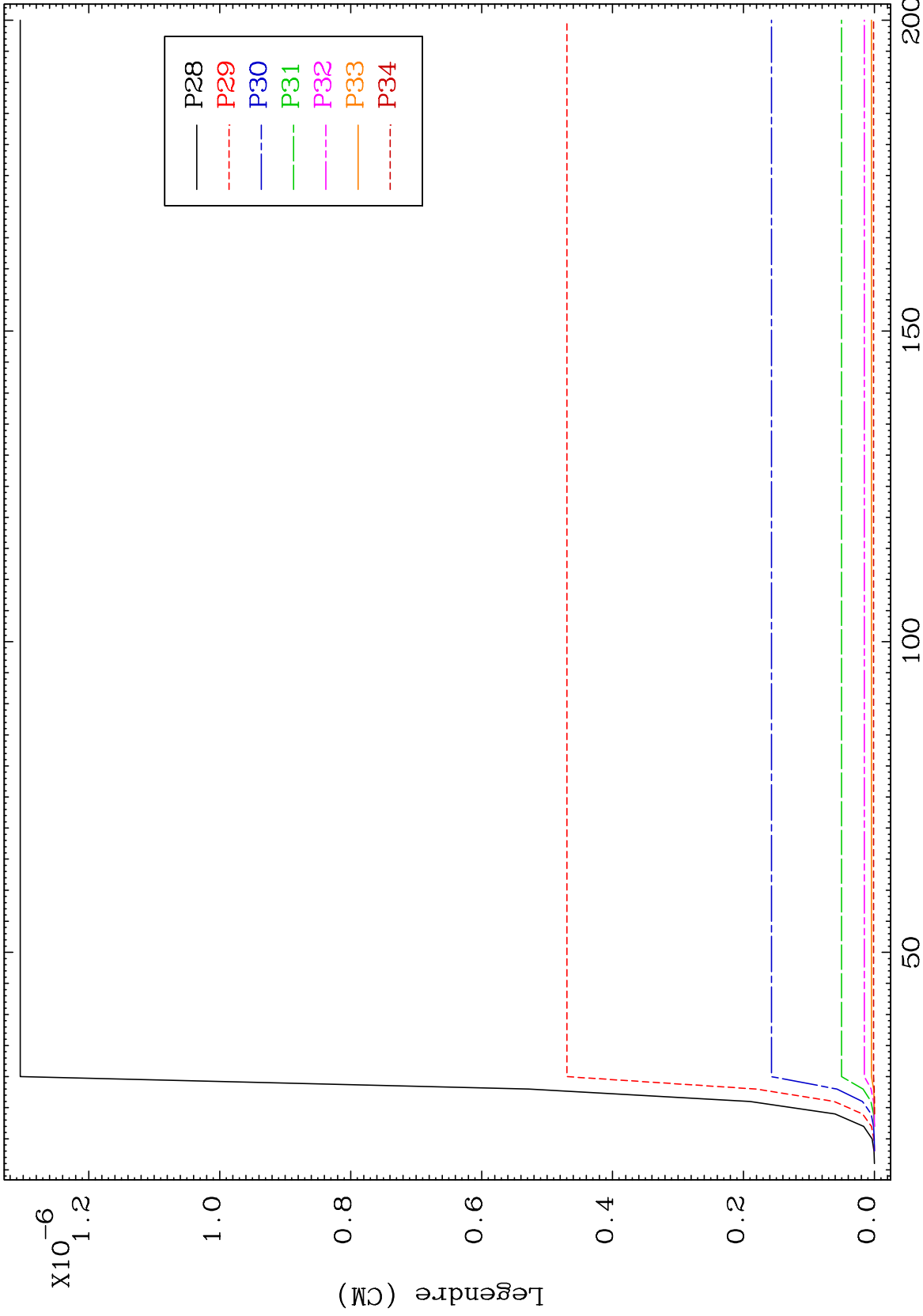
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



73

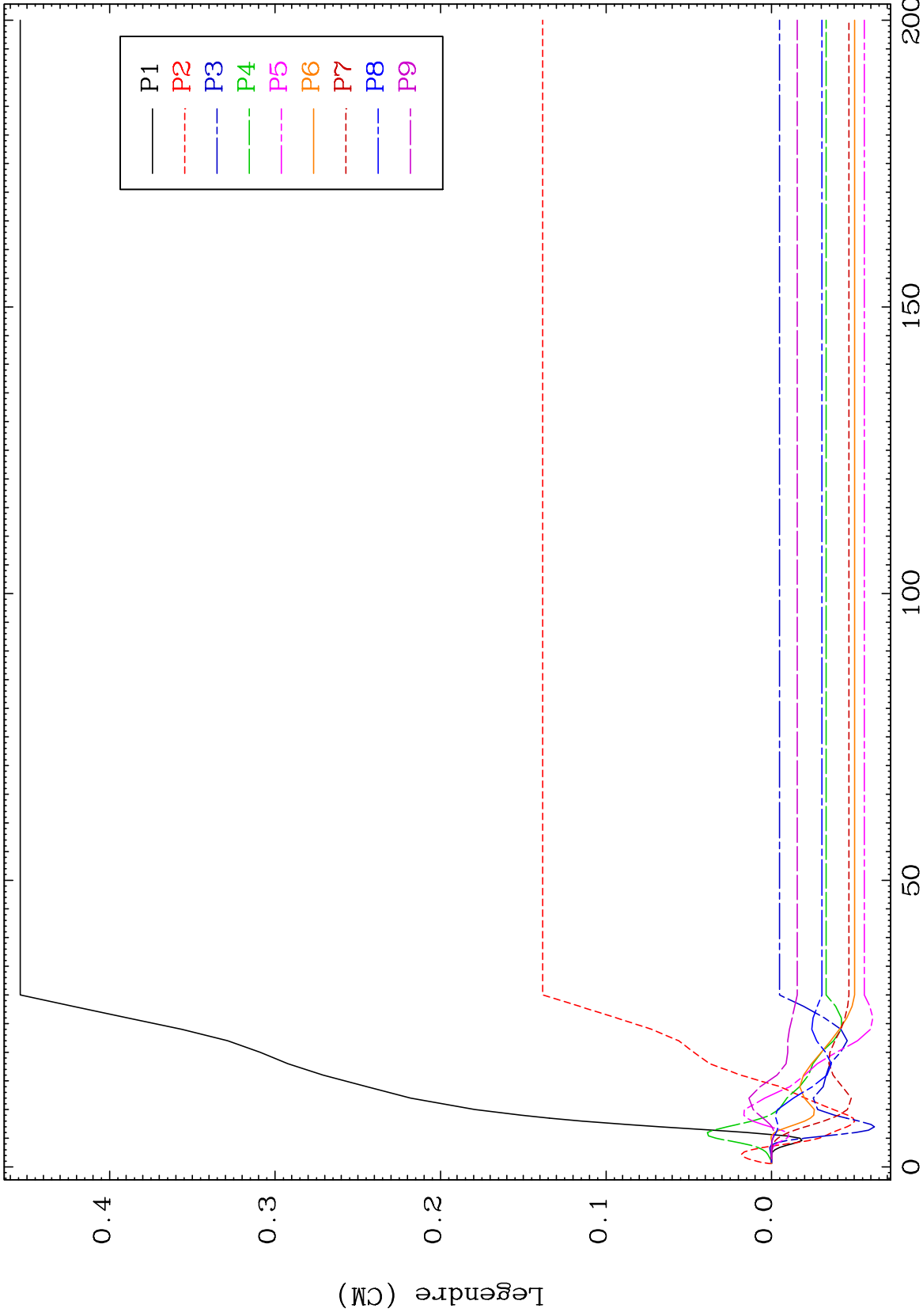
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



74

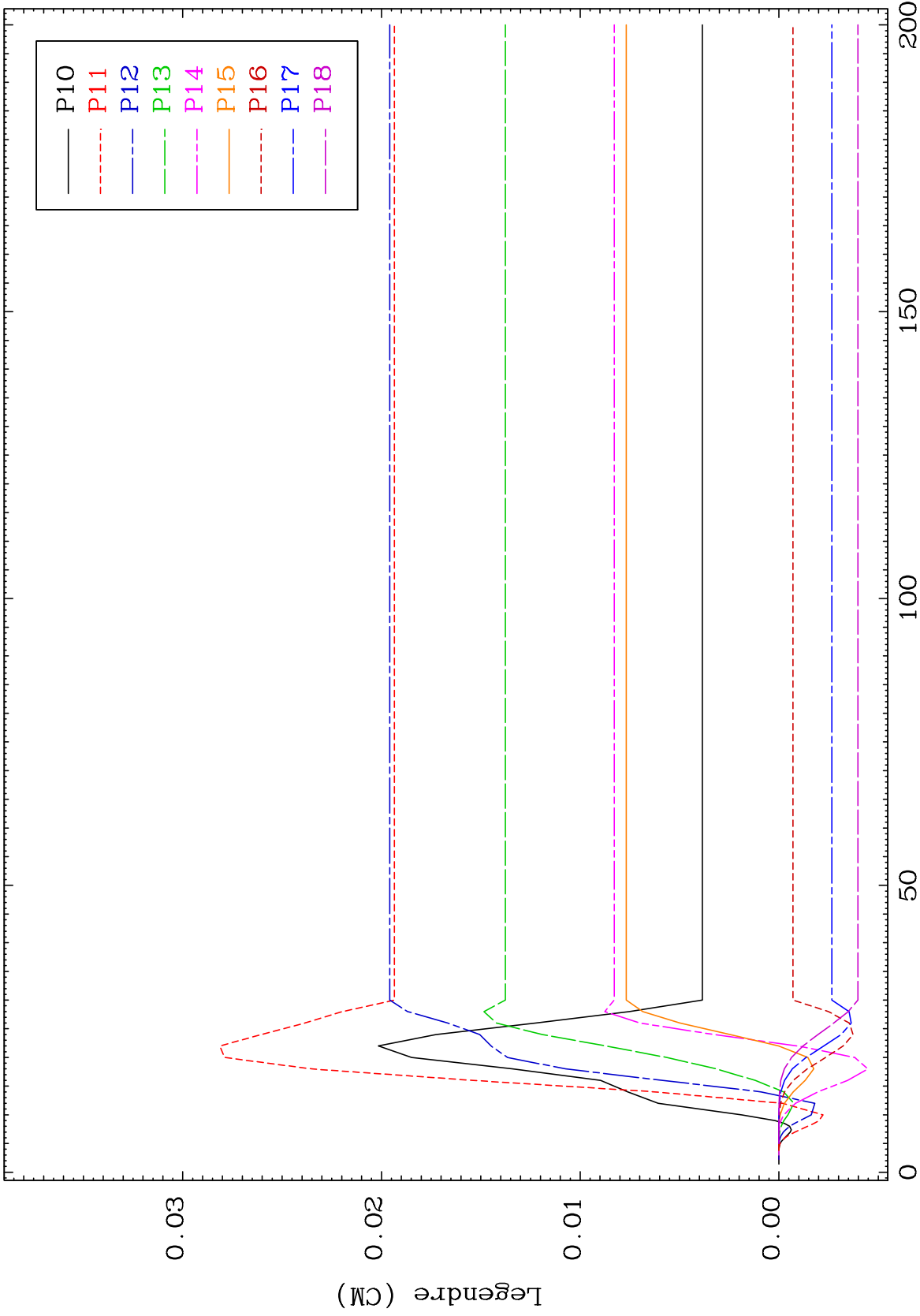
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



75

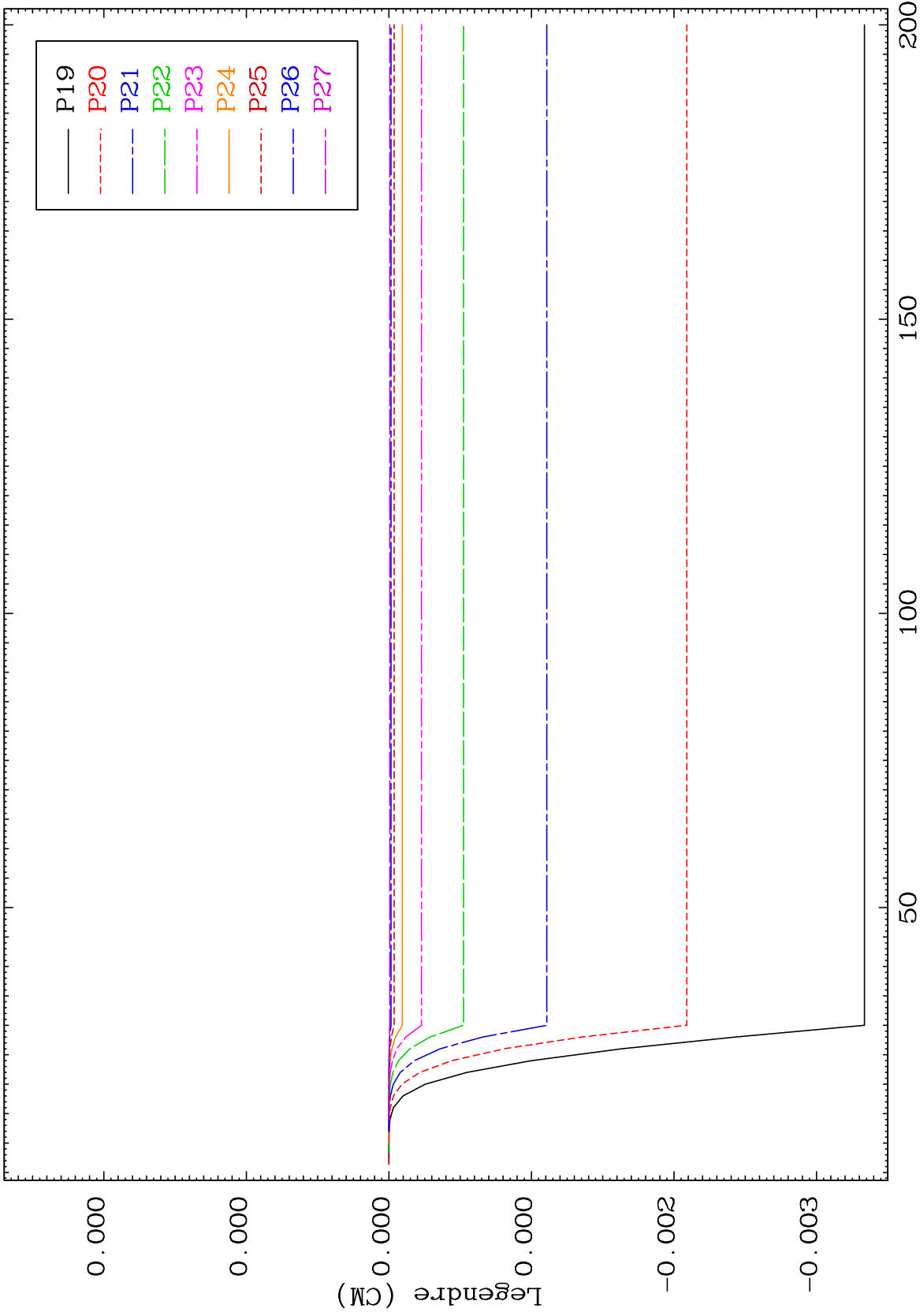
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



76

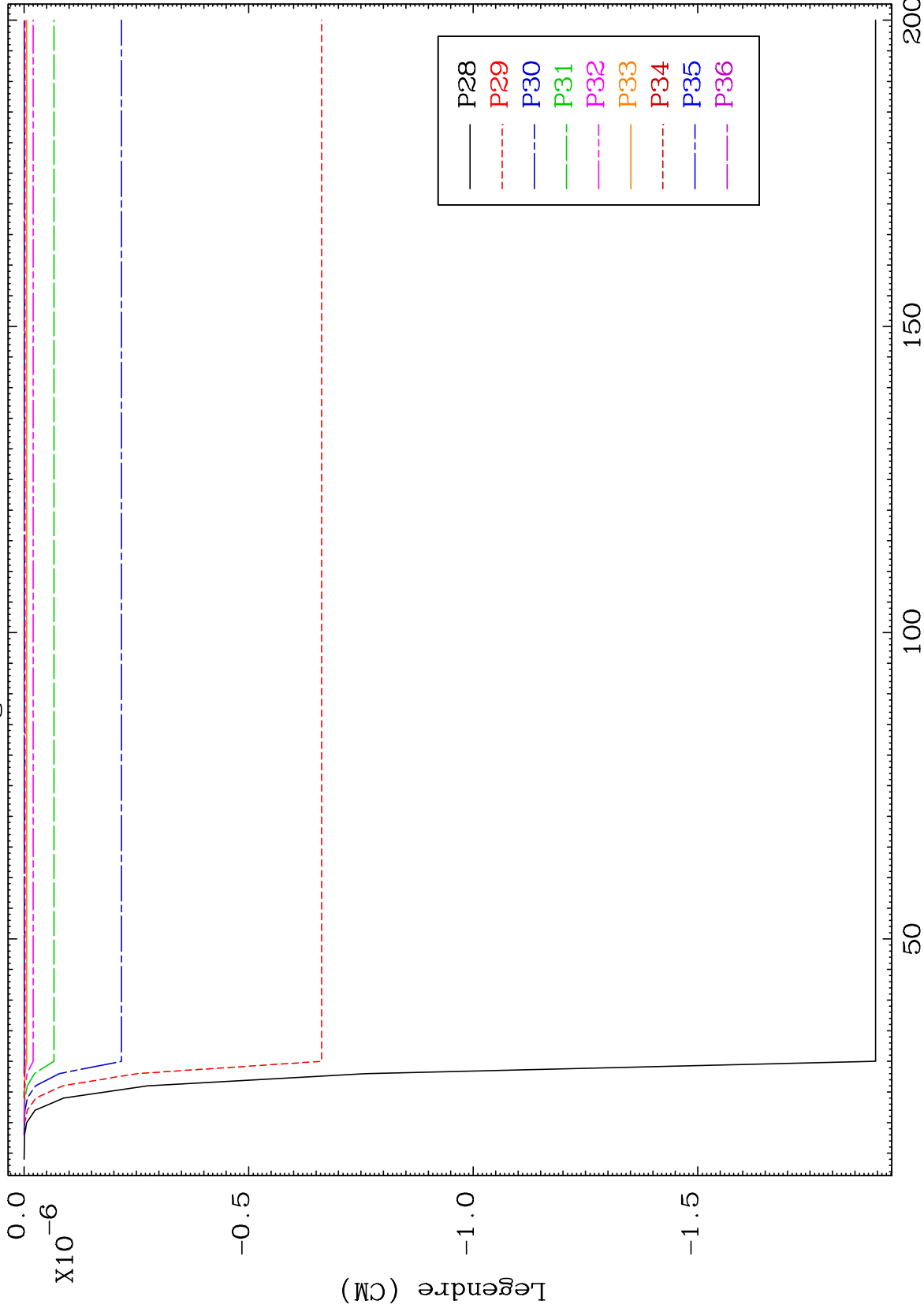
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



77

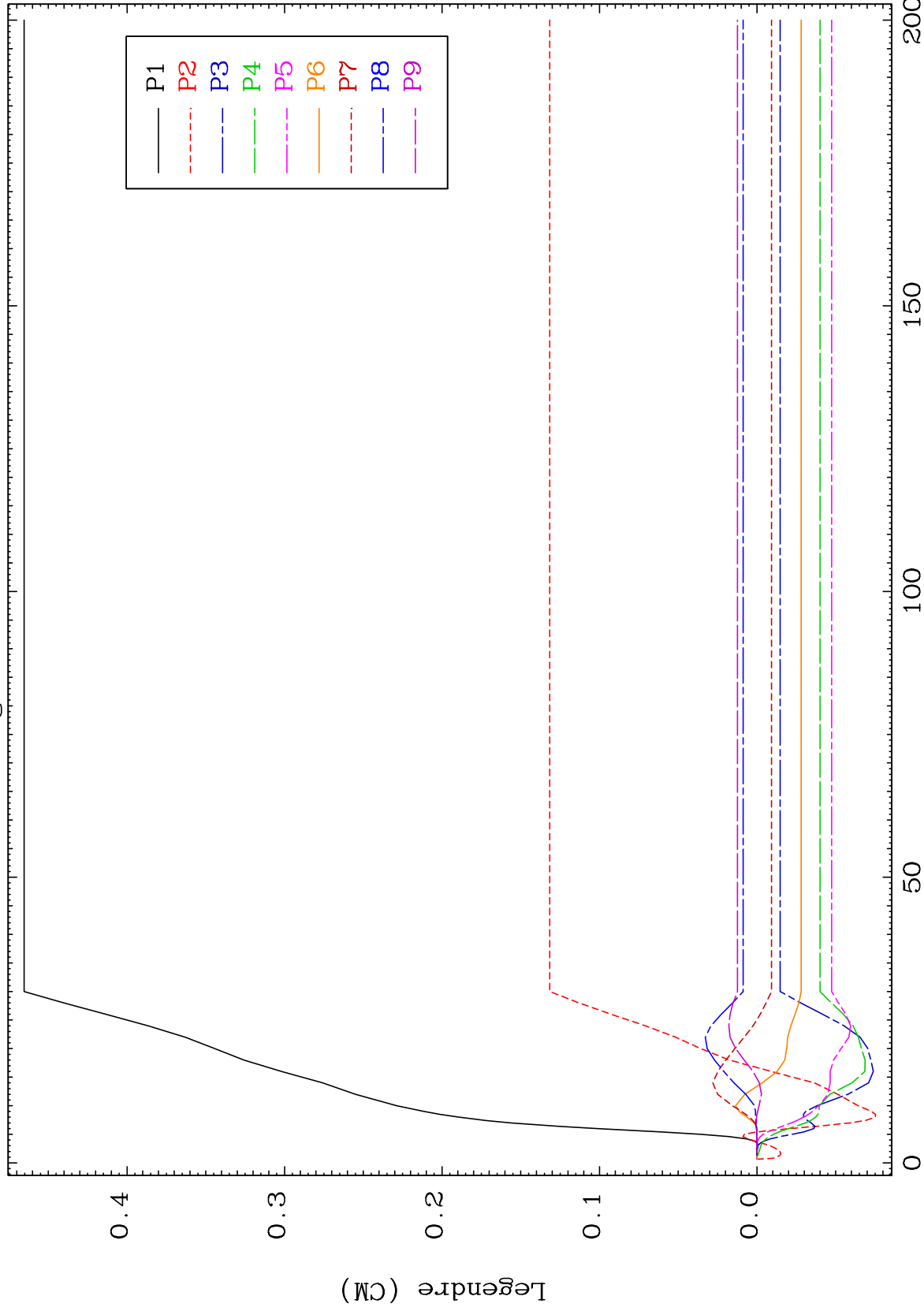
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



78

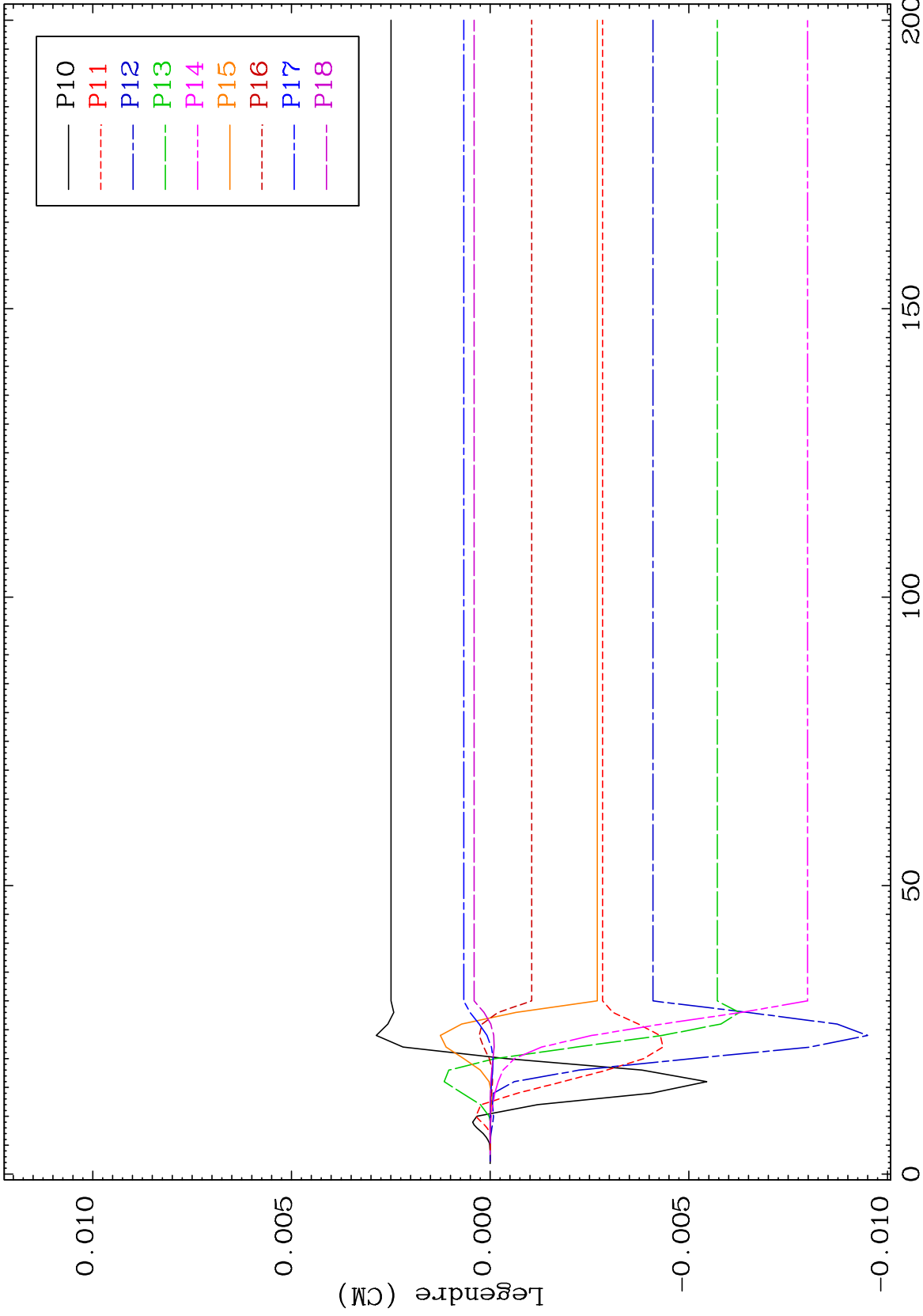
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



79

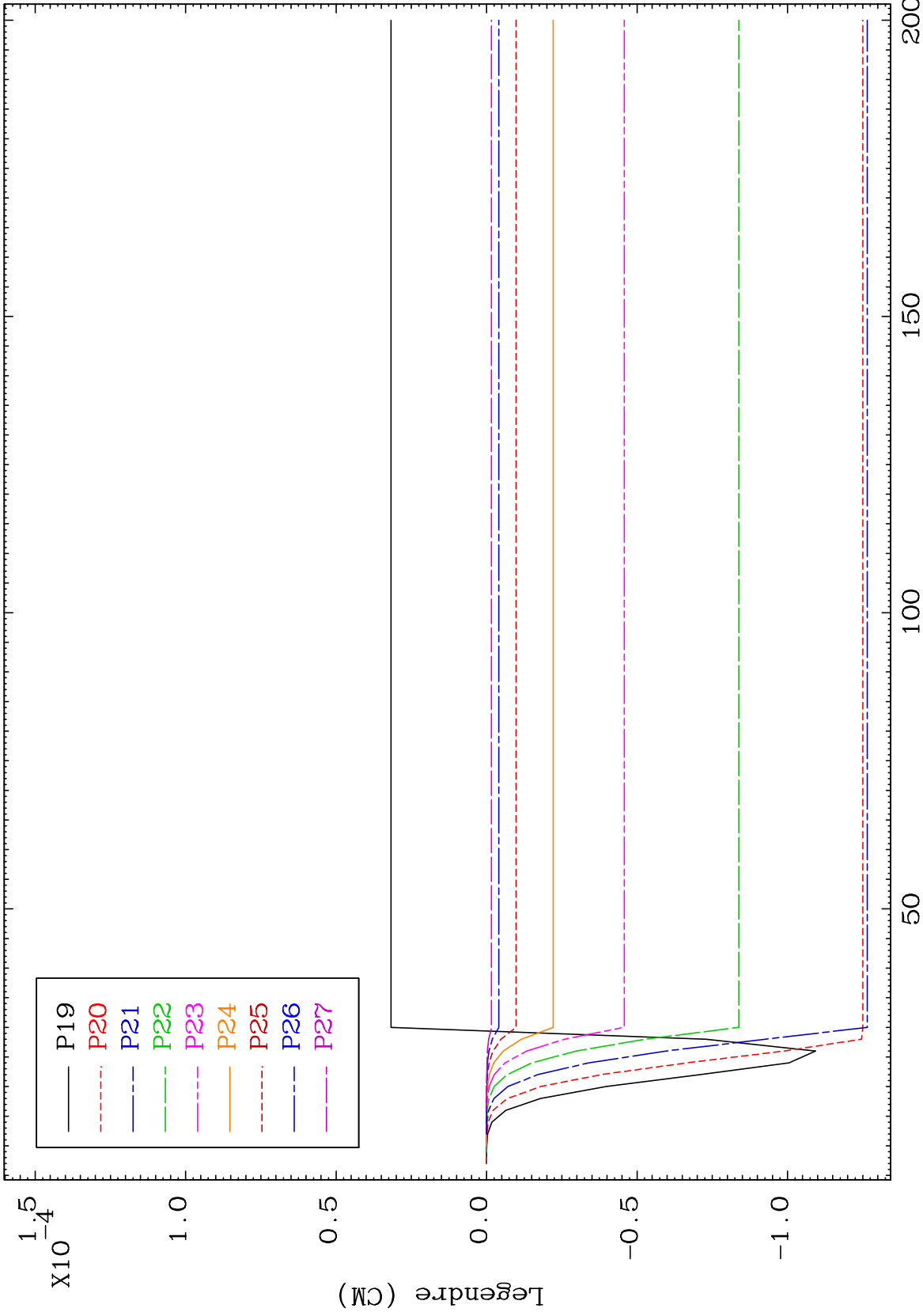
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



80

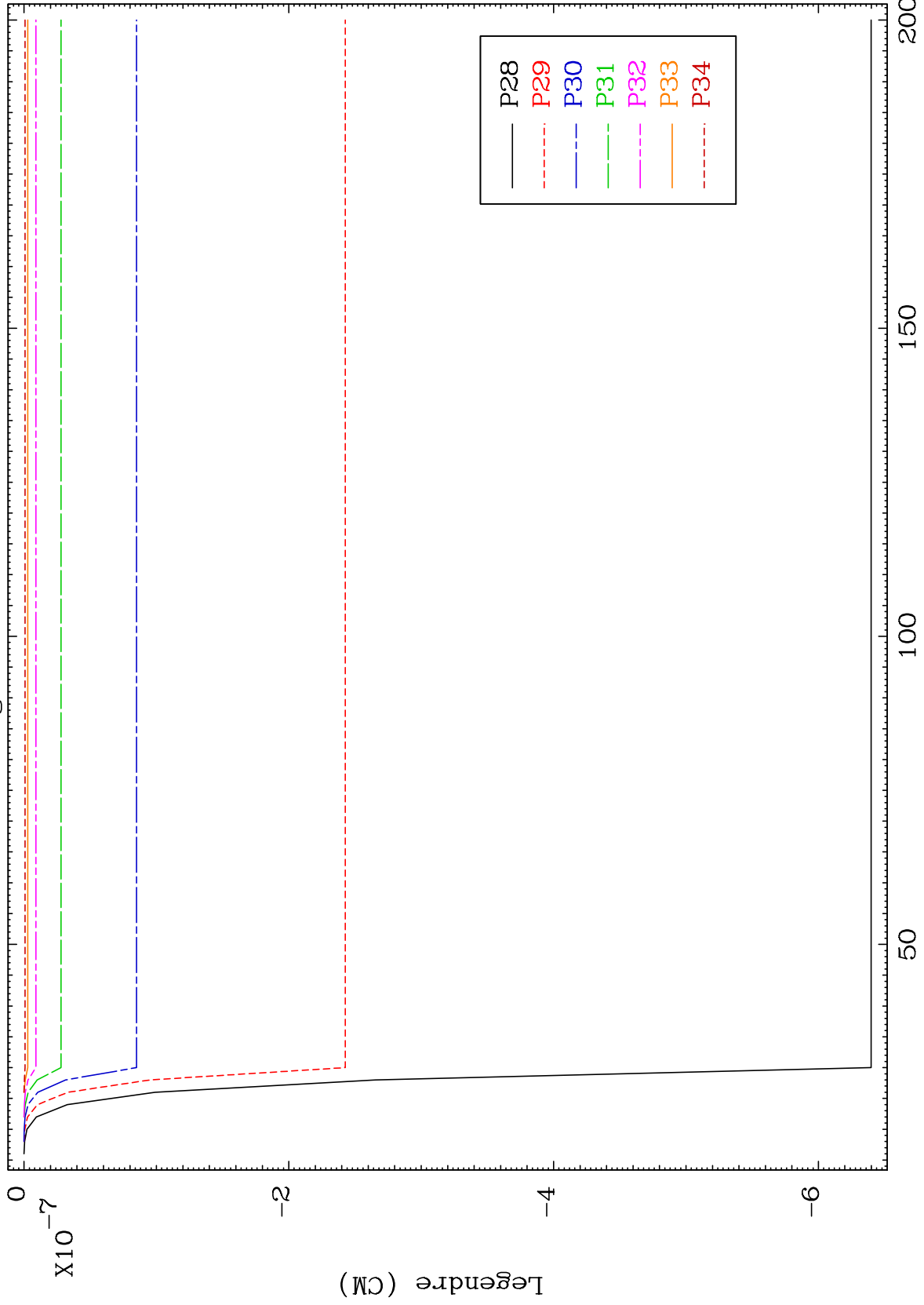
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



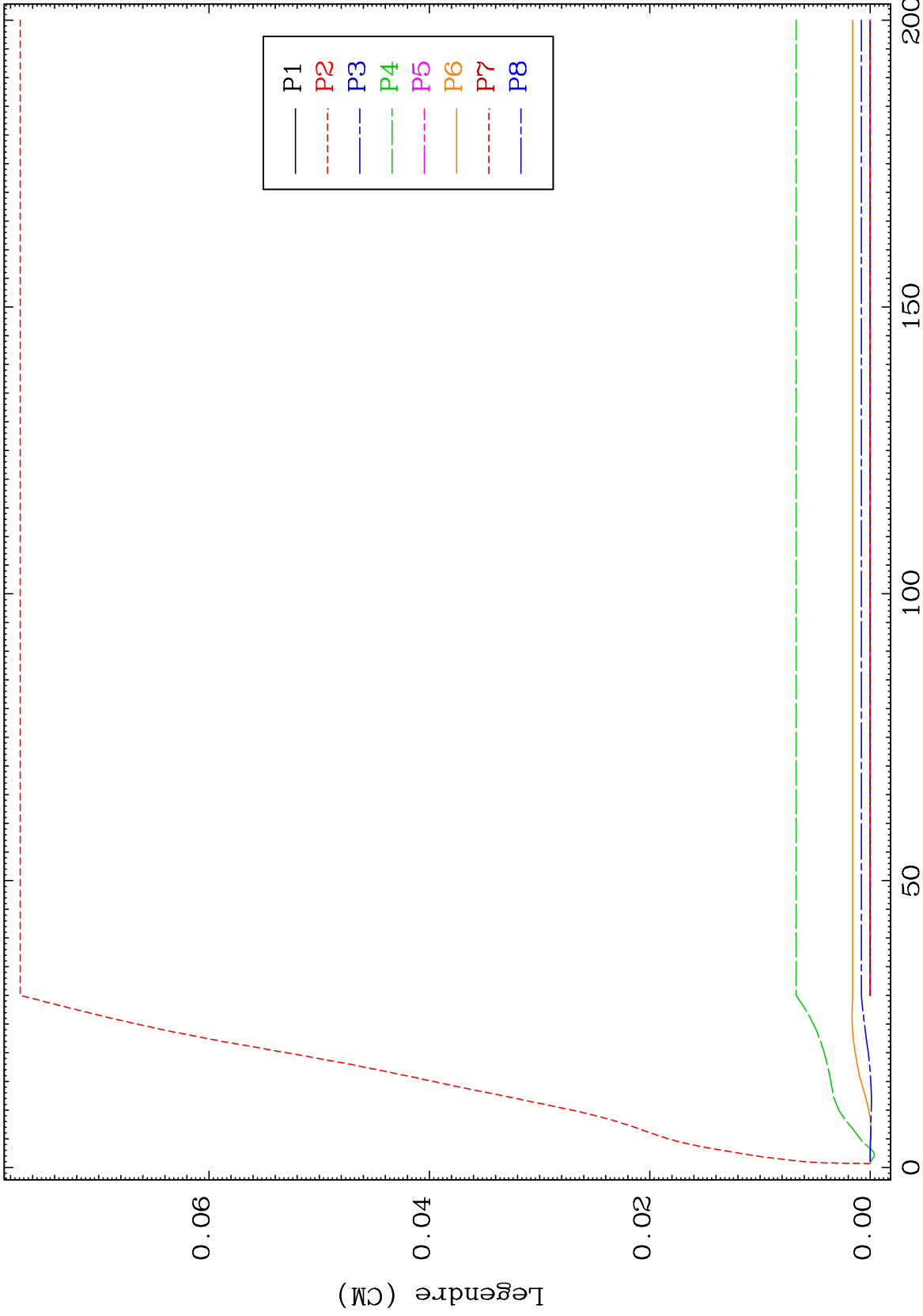
81

51-Sb-114

MAT 5104

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

51-Sb-114



82

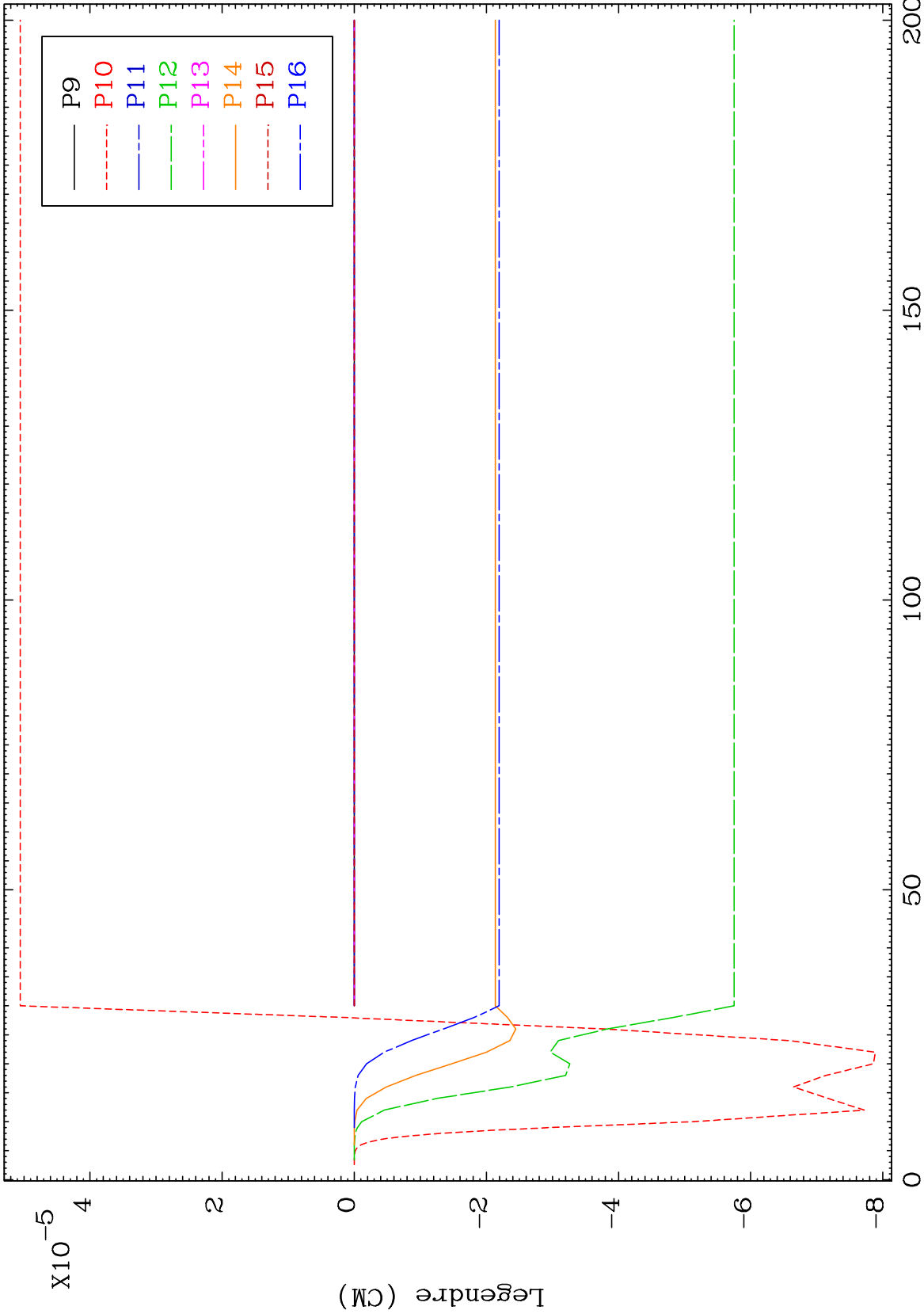
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



83

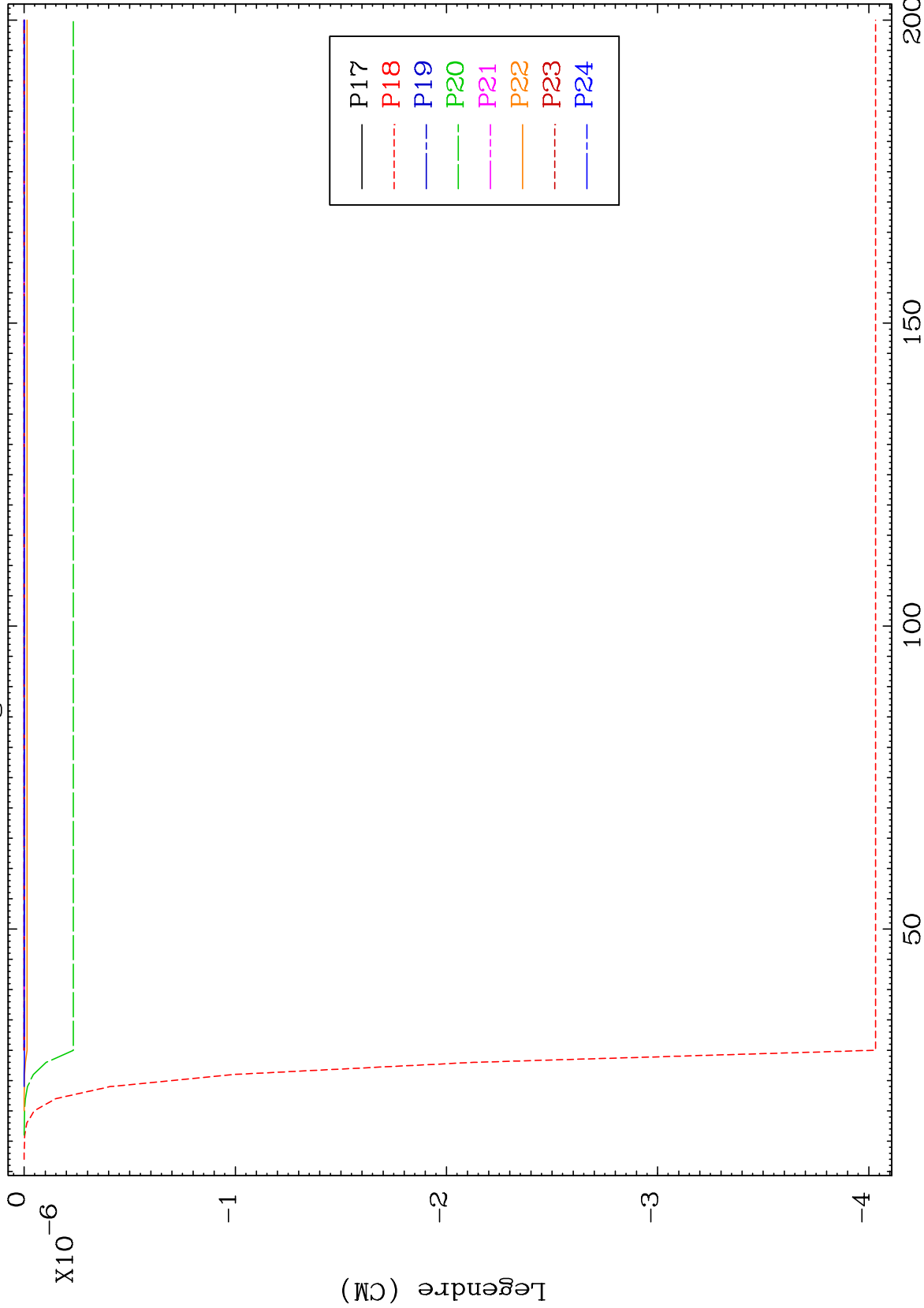
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

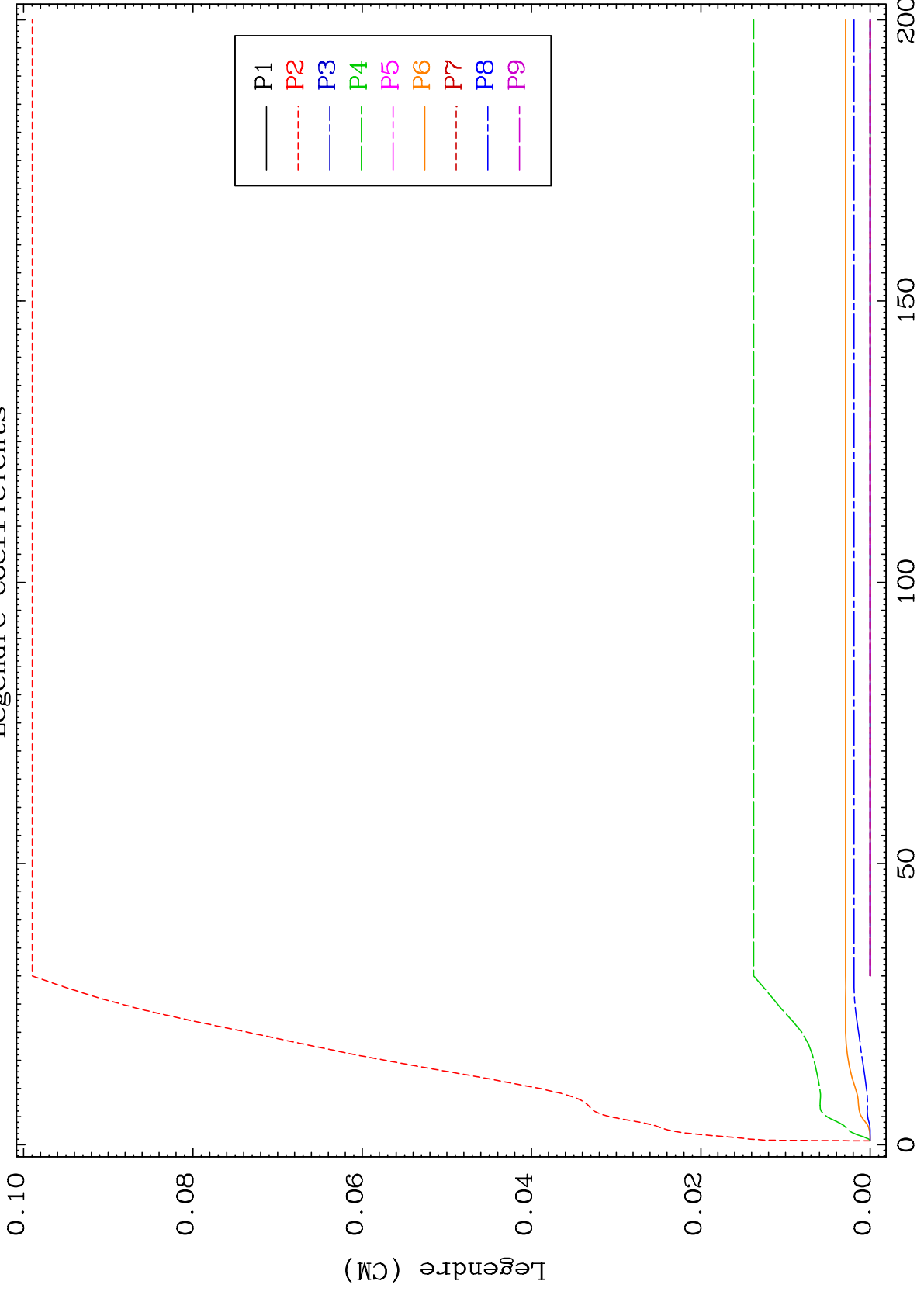
51-Sb-114



84

51-Sb-114

MAT 5104 MT= 69 (n,n') Level Legendre Coefficients 51-Sb-114

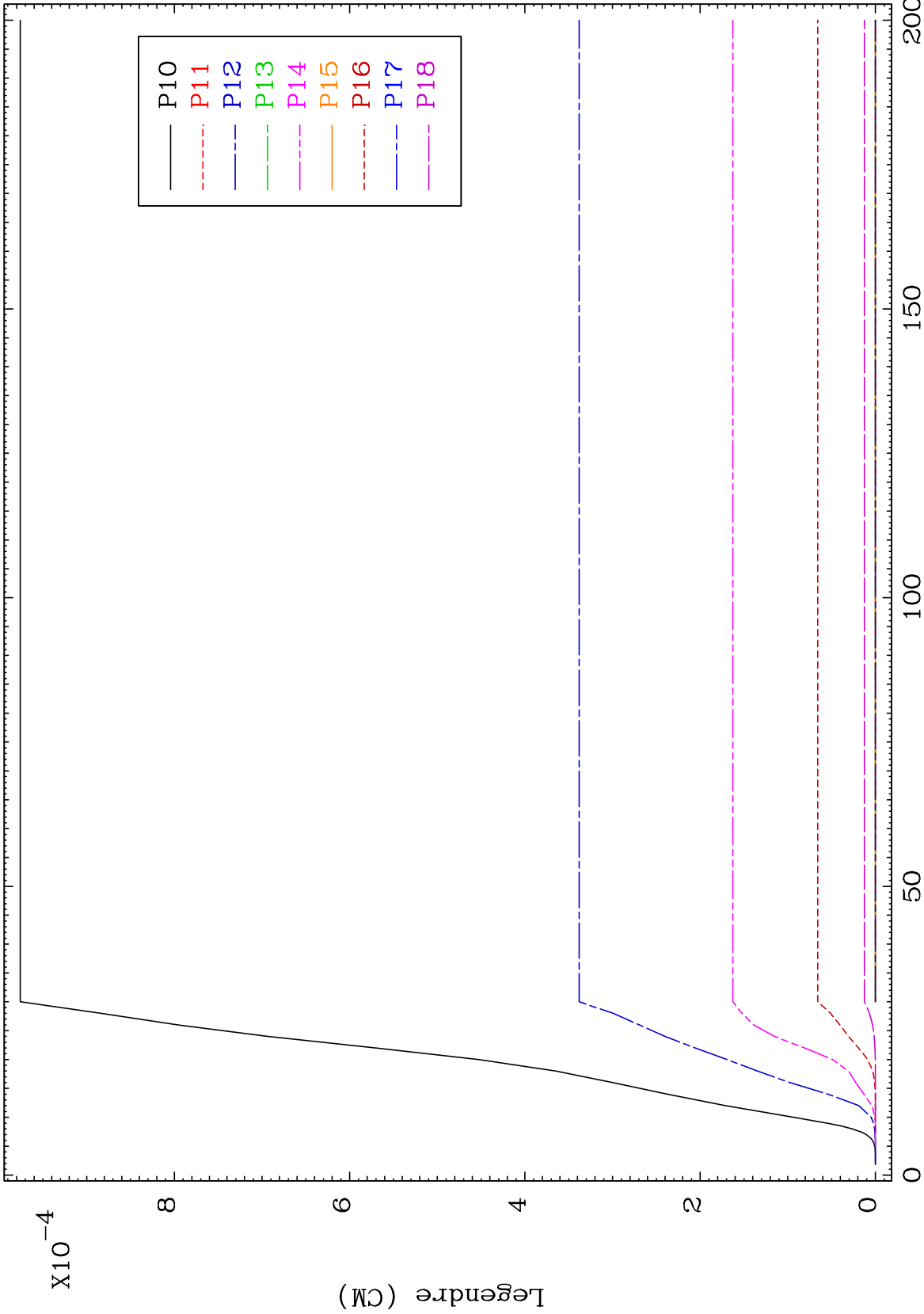


85 Incident Energy (MeV) 51-Sb-114

MAT 5104

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

51-Sb-114

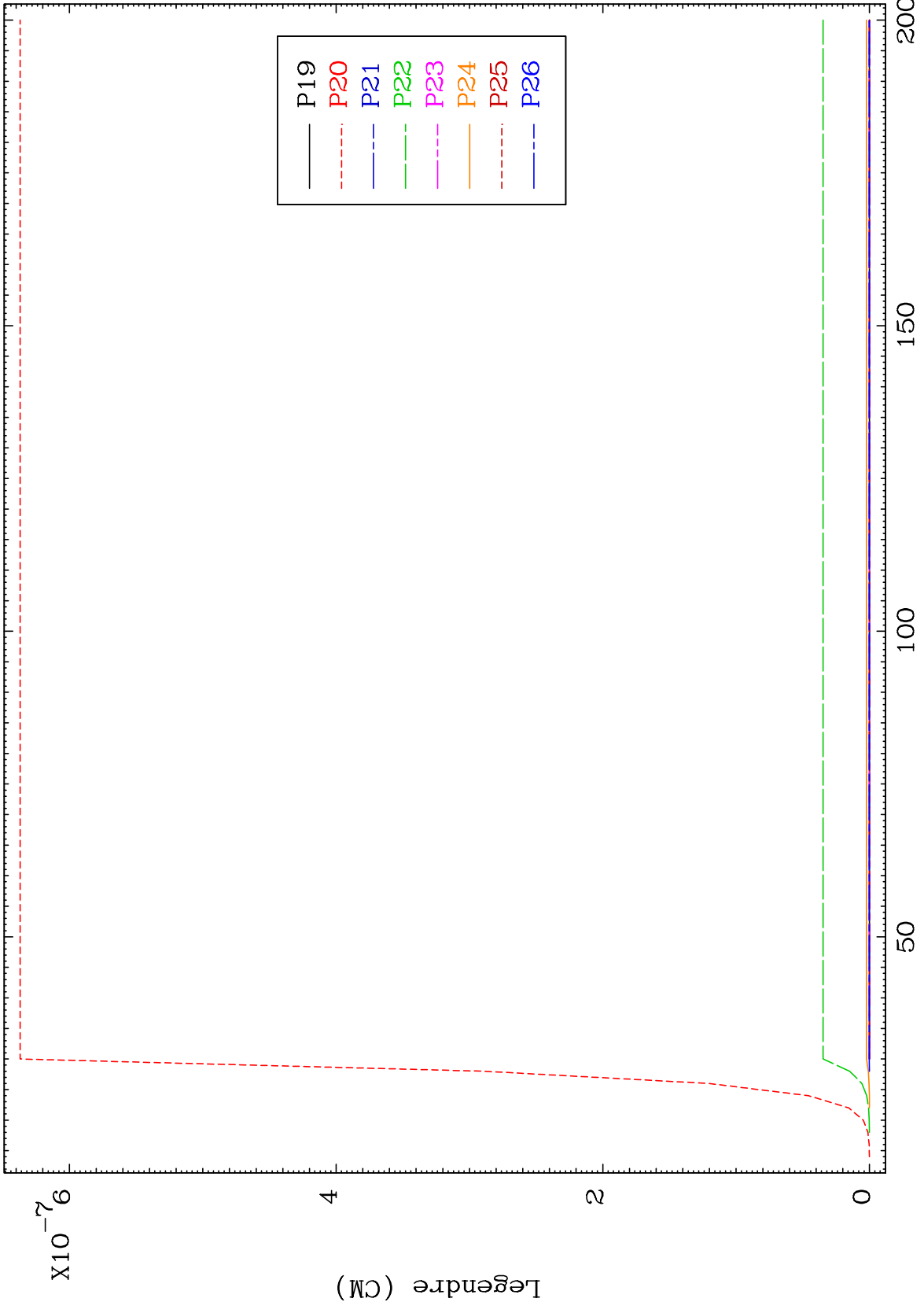


86

Incident Energy (MeV)

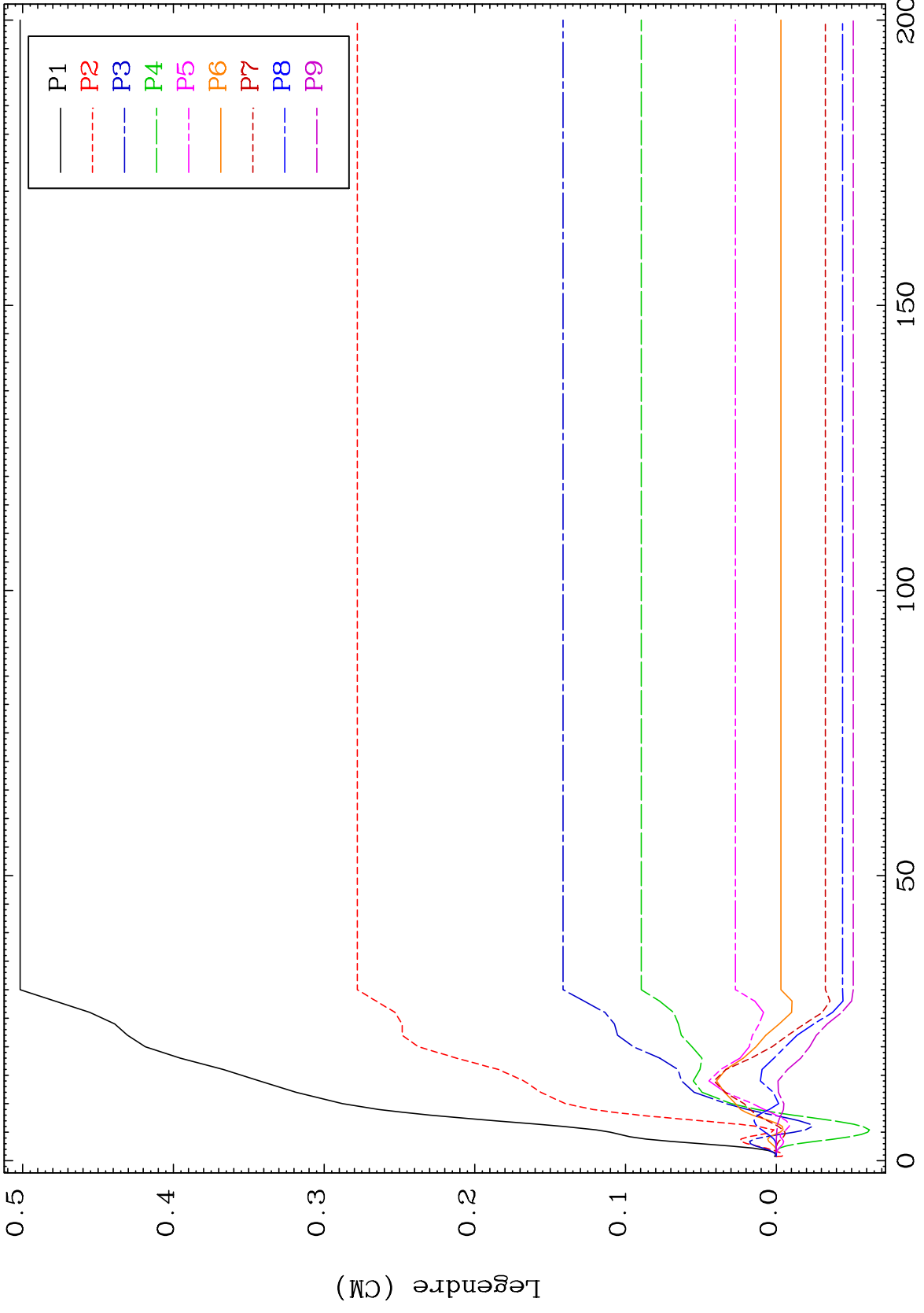
51-Sb-114

MAT 5104 MT= 69 (n,n') Level Legendre Coefficients 51-Sb-114



87 51-Sb-114

MAT 5104 MT= 70 (n,n') Level Legendre Coefficients 51-Sb-114

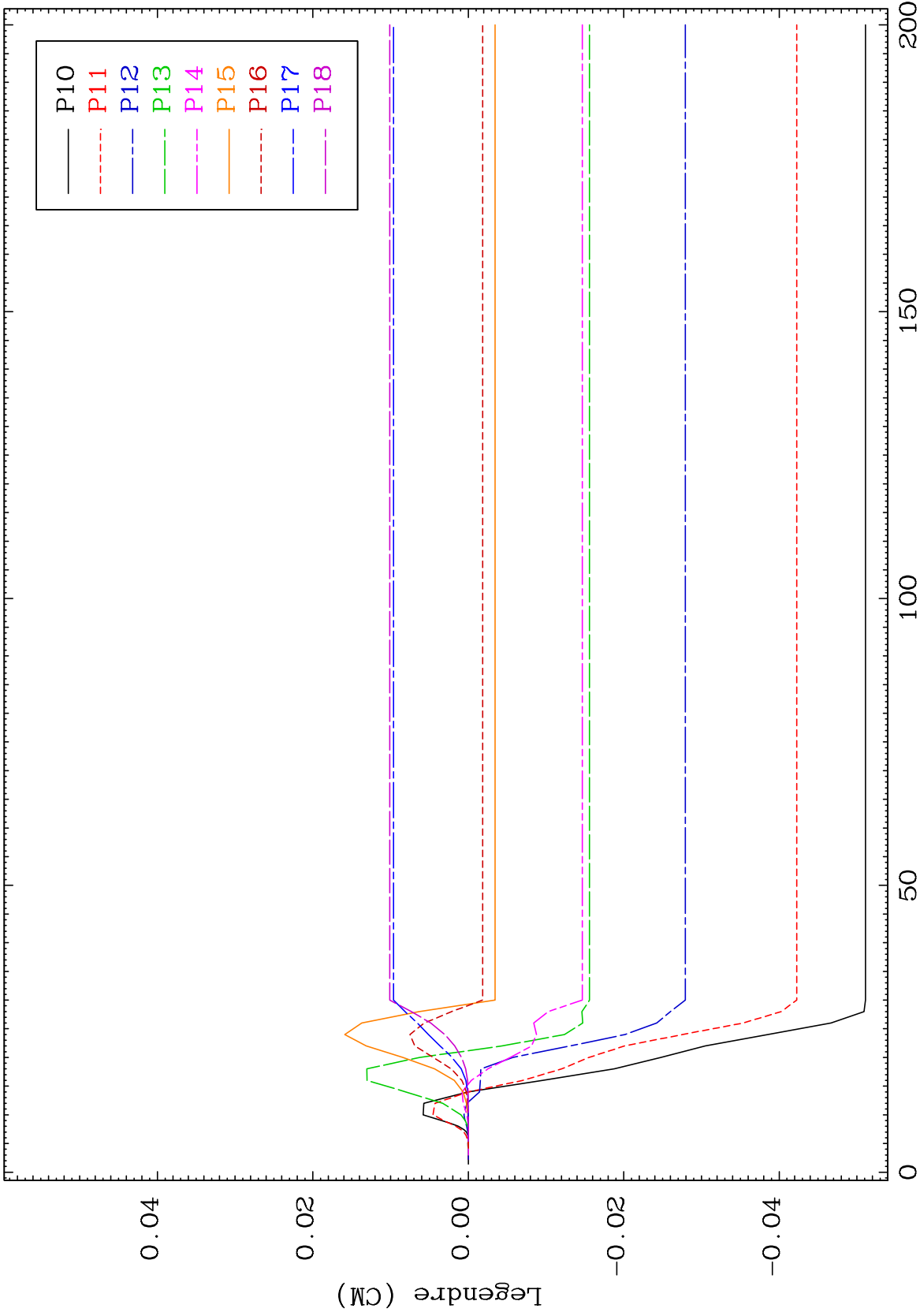


88 51-Sb-114

MAT 5104

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

51-Sb-114



89

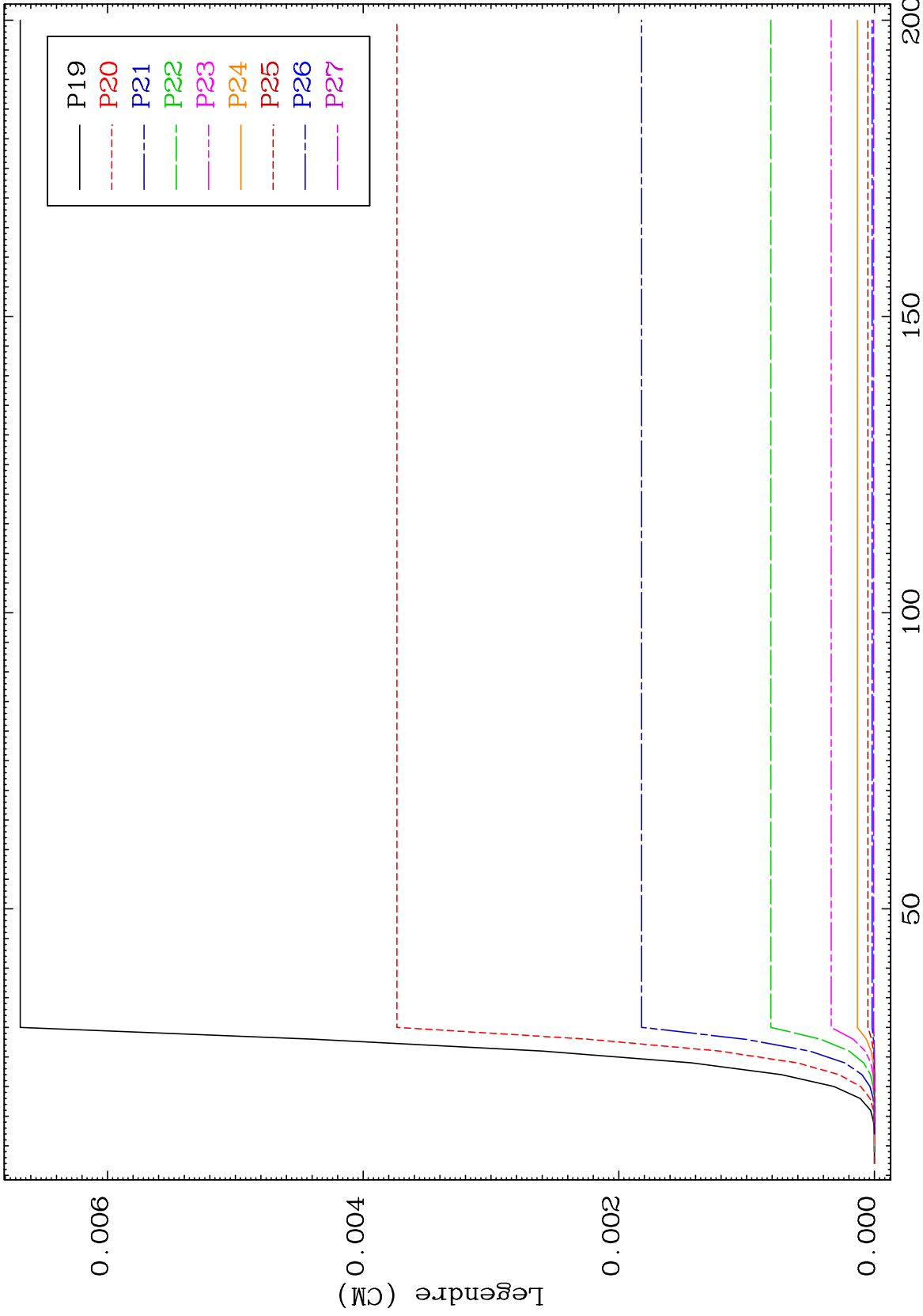
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



90

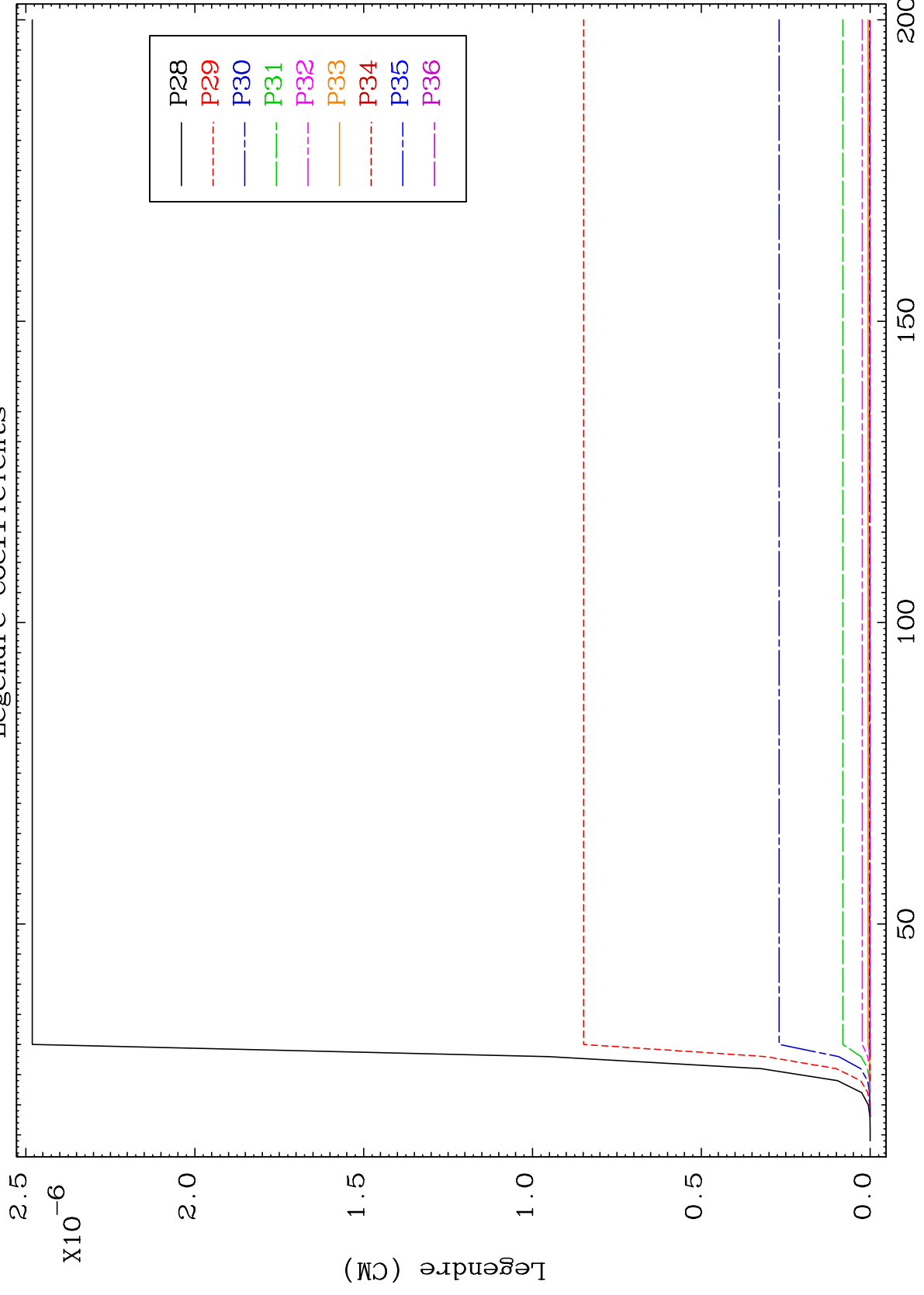
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



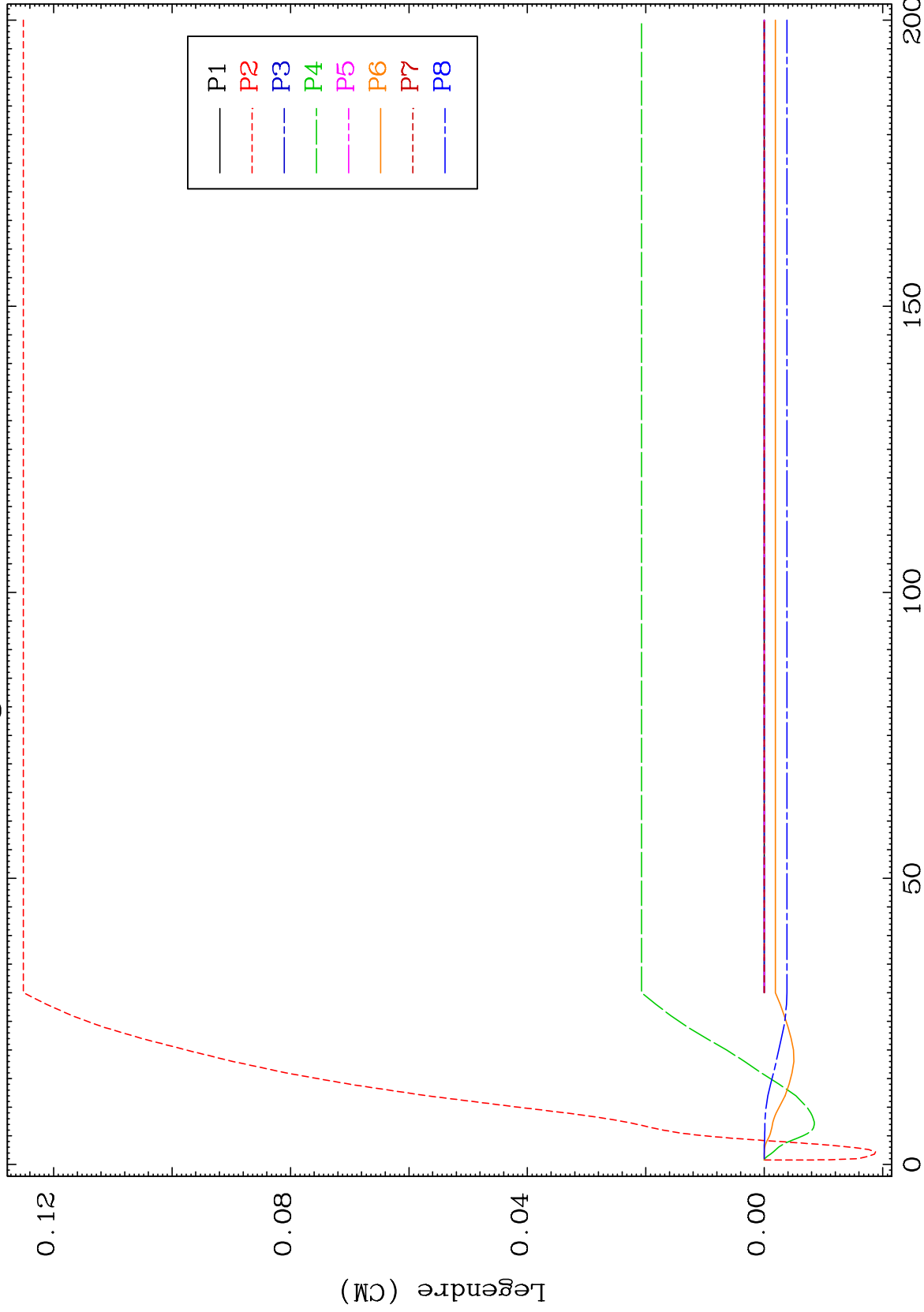
91

51-Sb-114

MAT 5104

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

51-Sb-114



92

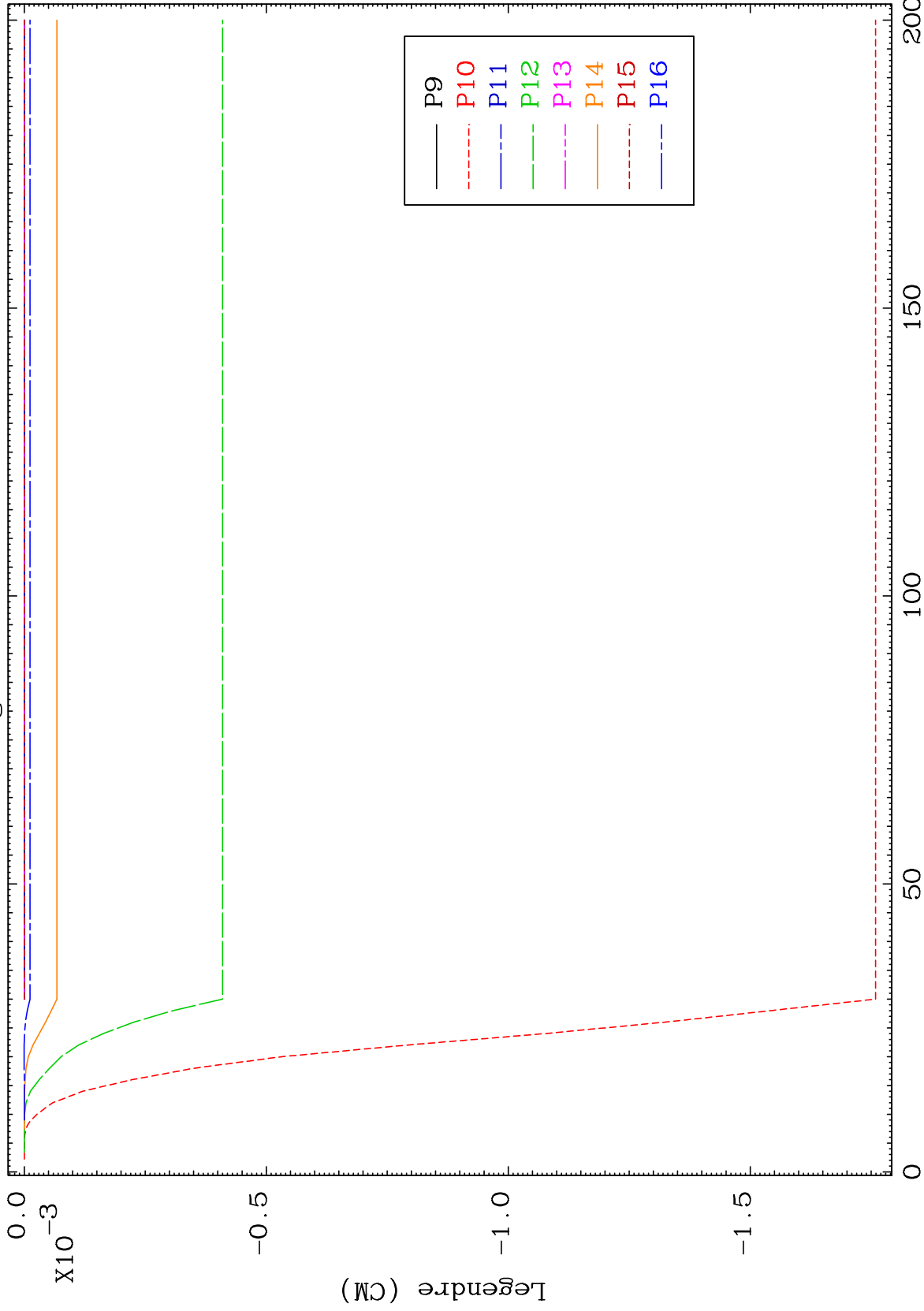
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114

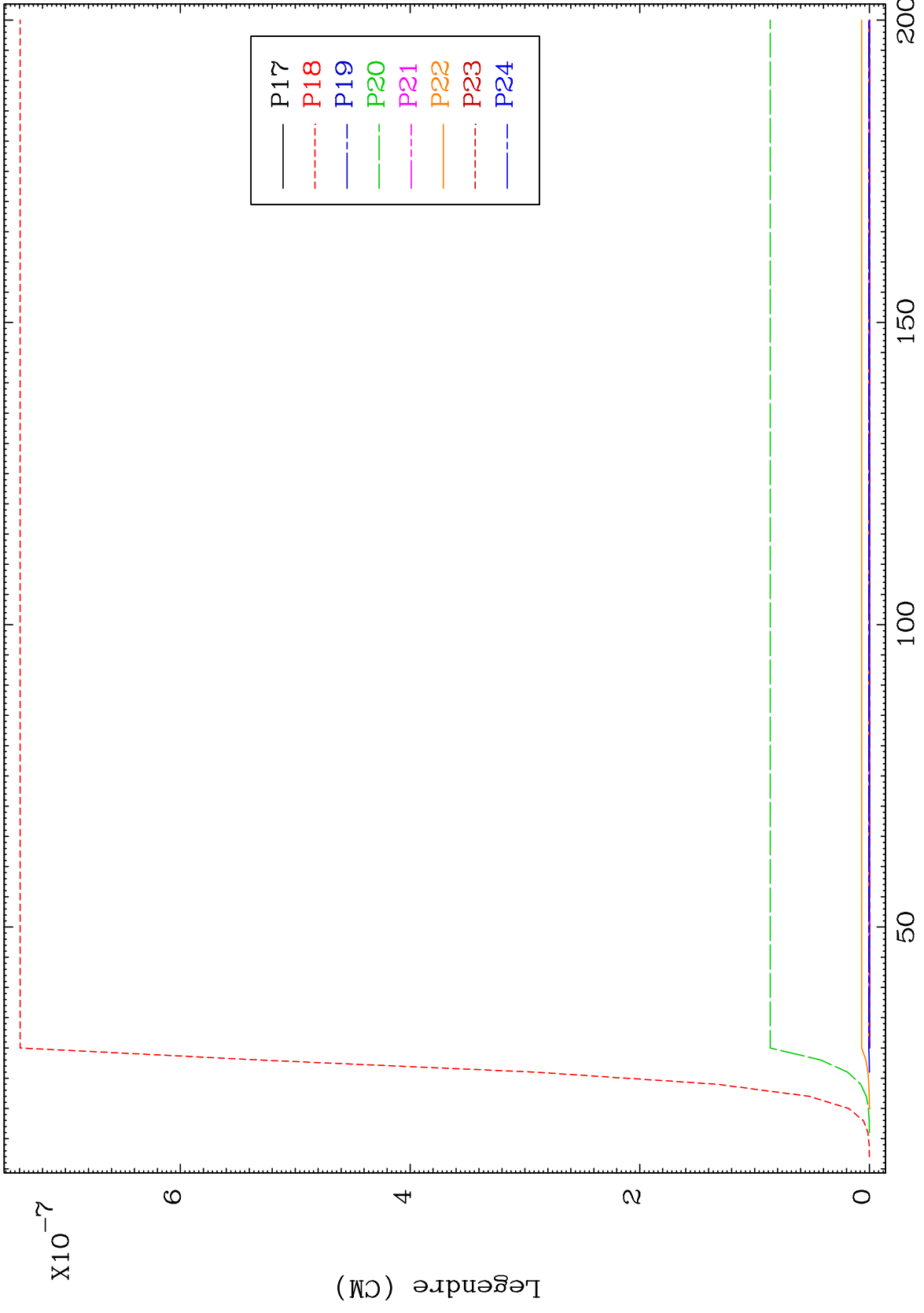


93

Incident Energy (MeV)

51-Sb-114

MAT 5104 MT= 71 (n,n') Level Legendre Coefficients 51-Sb-114

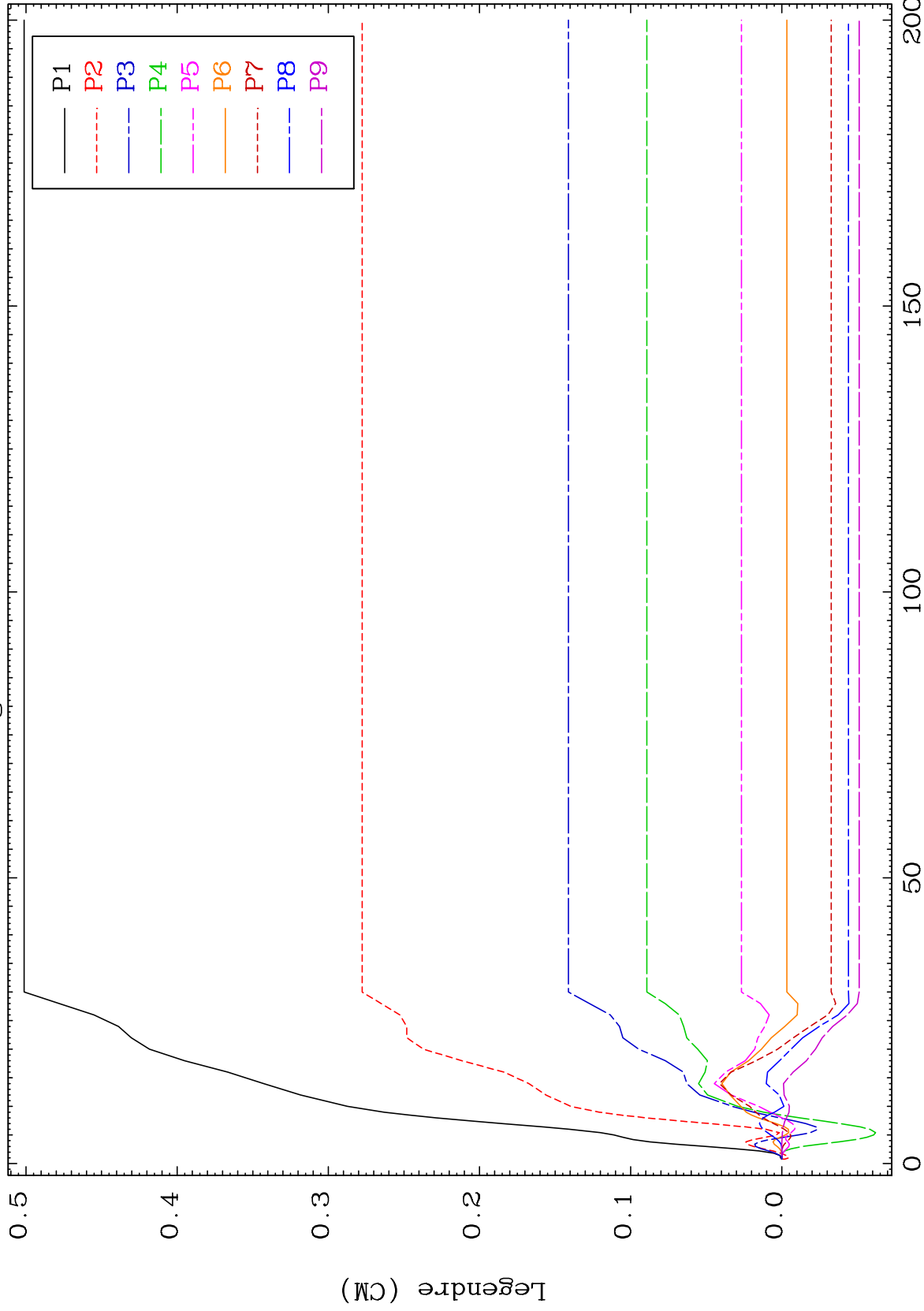


94 51-Sb-114

MAT 5104

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

51-Sb-114



51-Sb-114

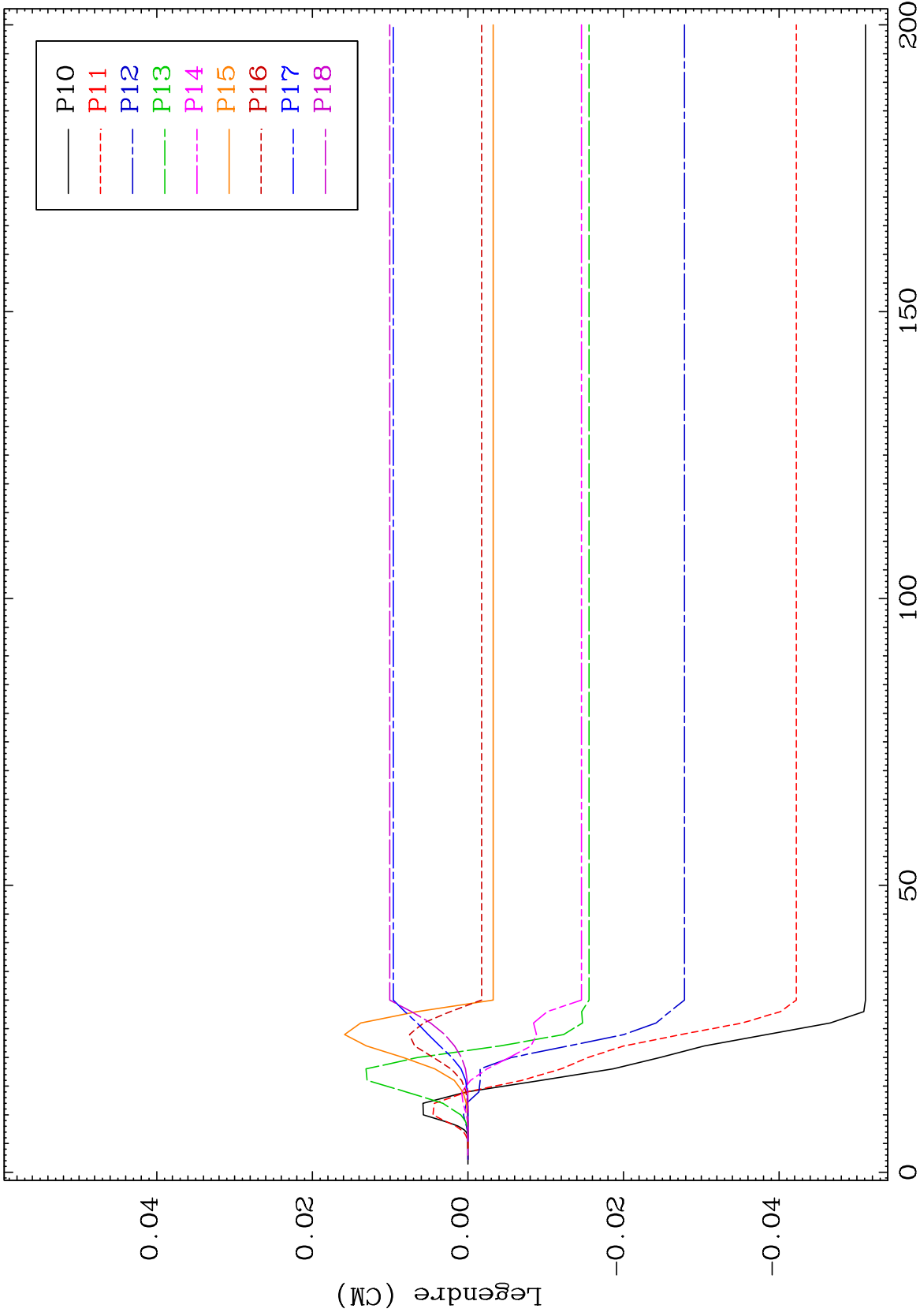
Incident Energy (MeV)

95

MAT 5104

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

51-Sb-114



96

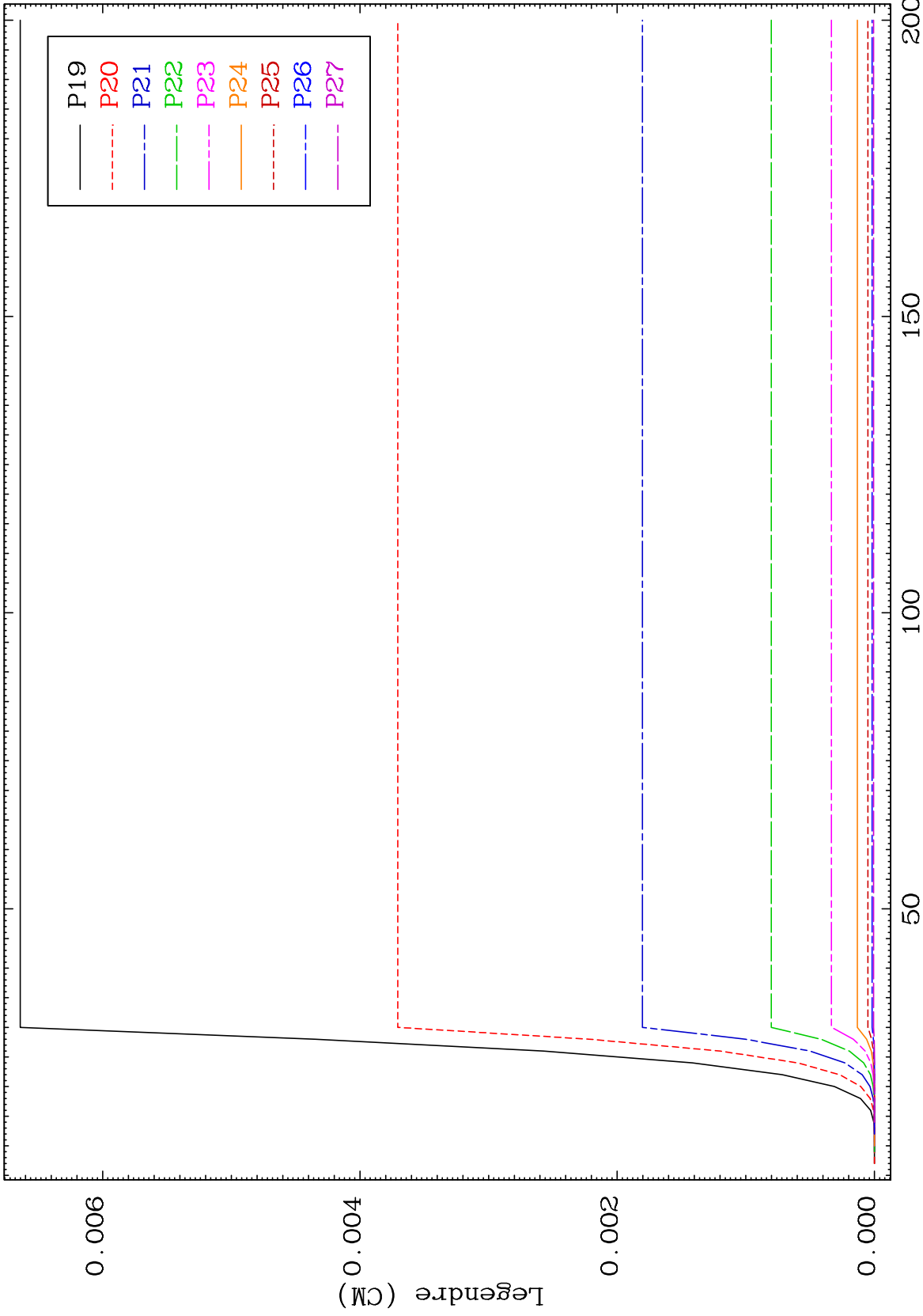
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



97

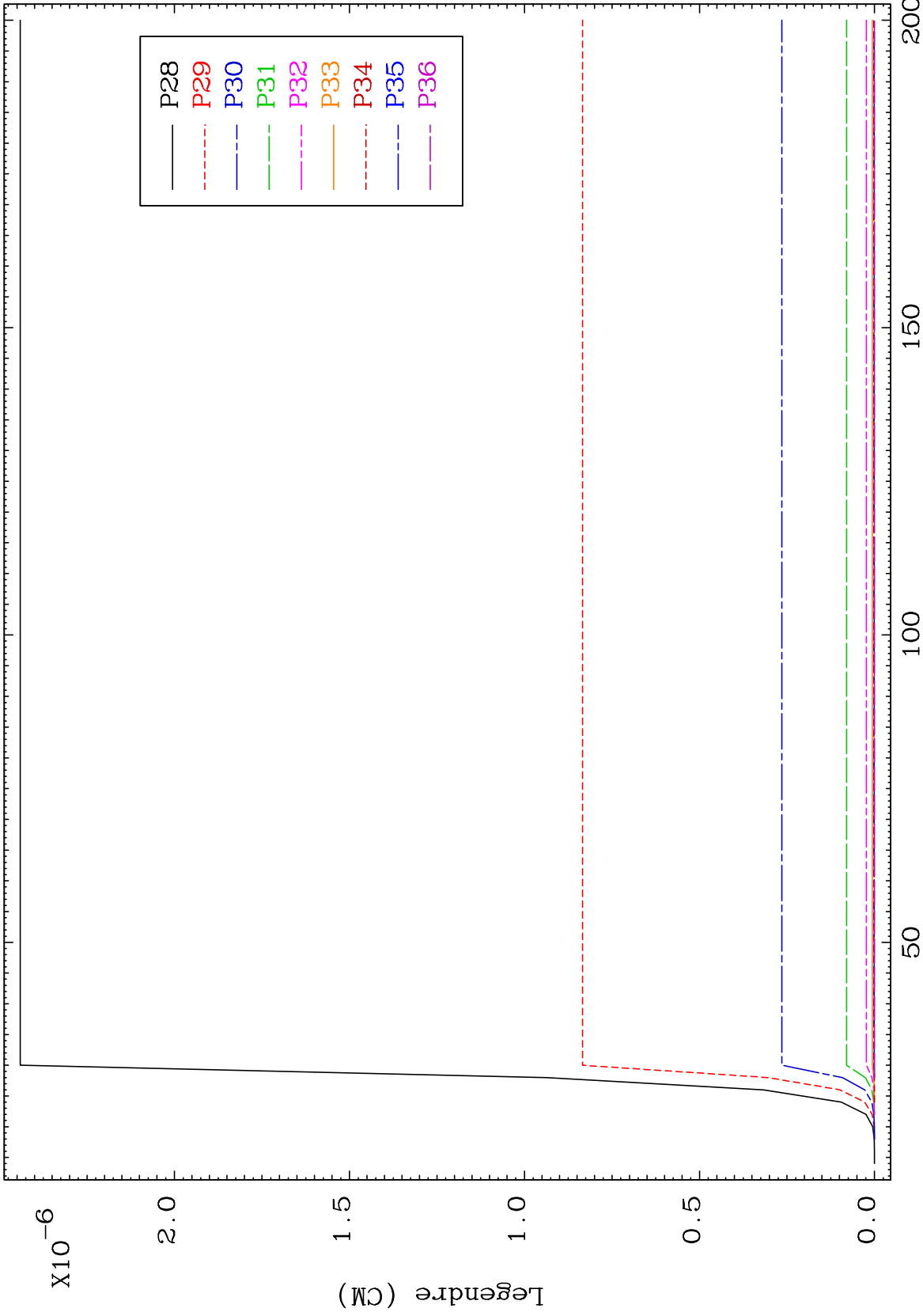
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



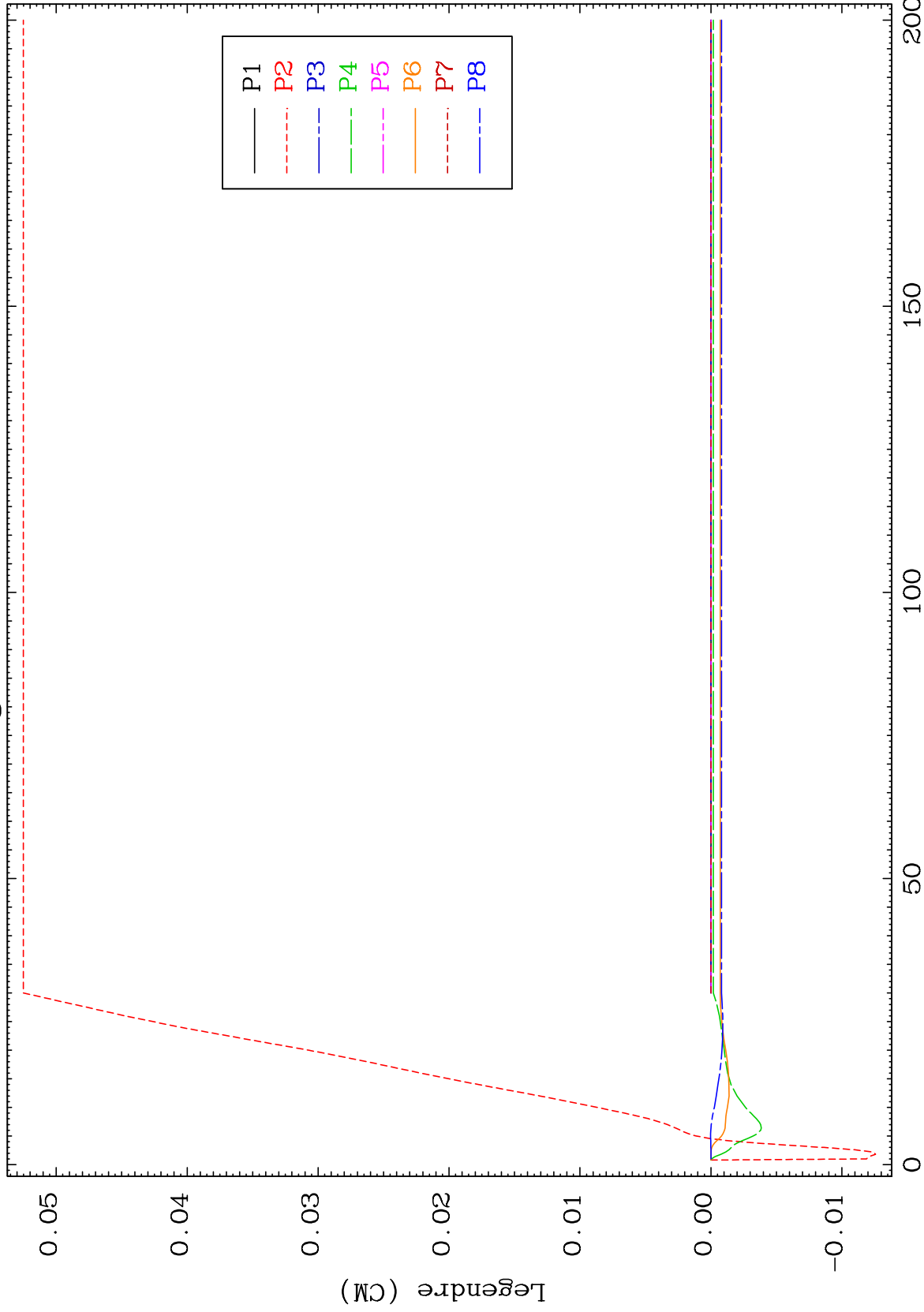
98

51-Sb-114

MAT 5104

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

51-Sb-114



99

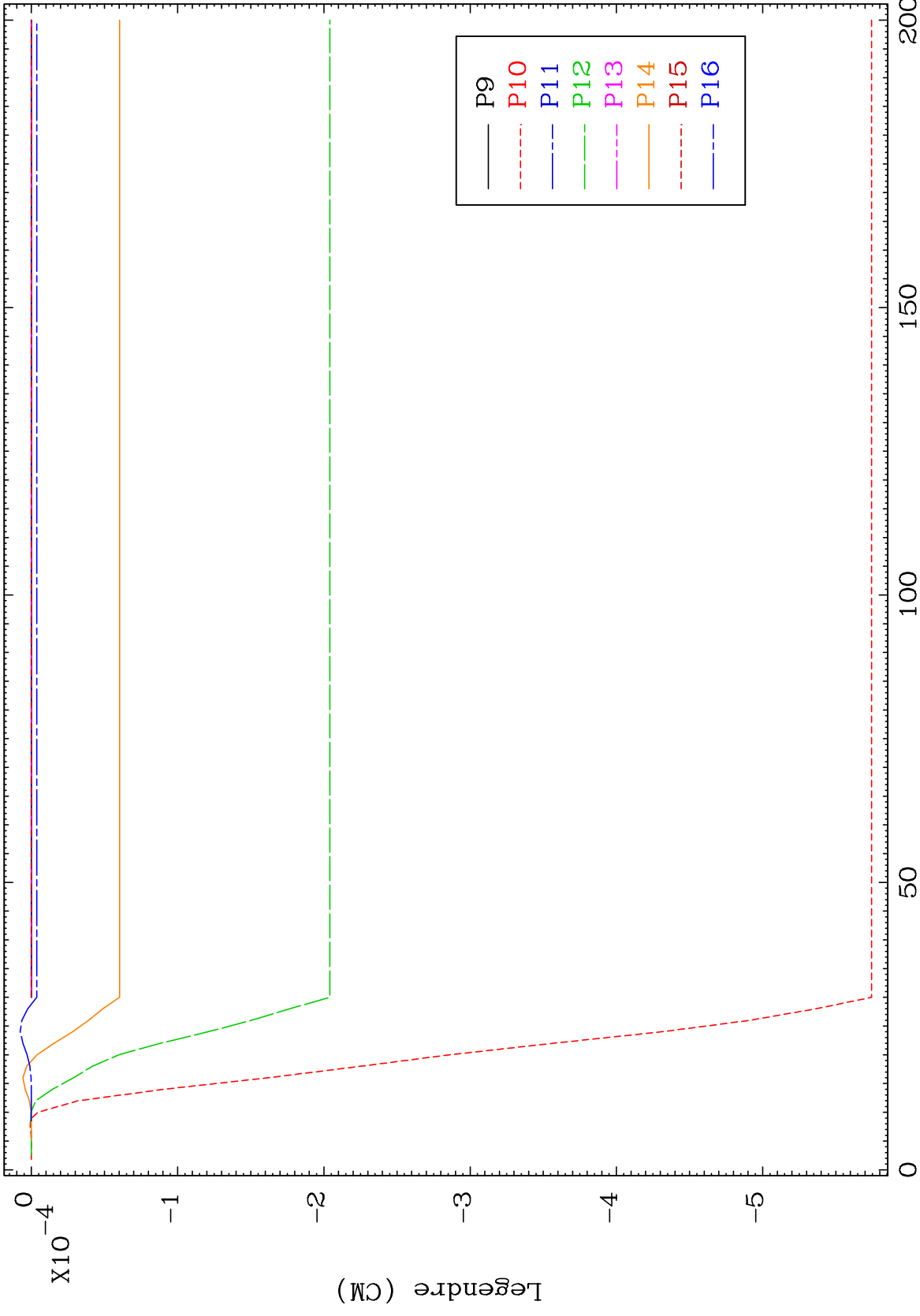
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114

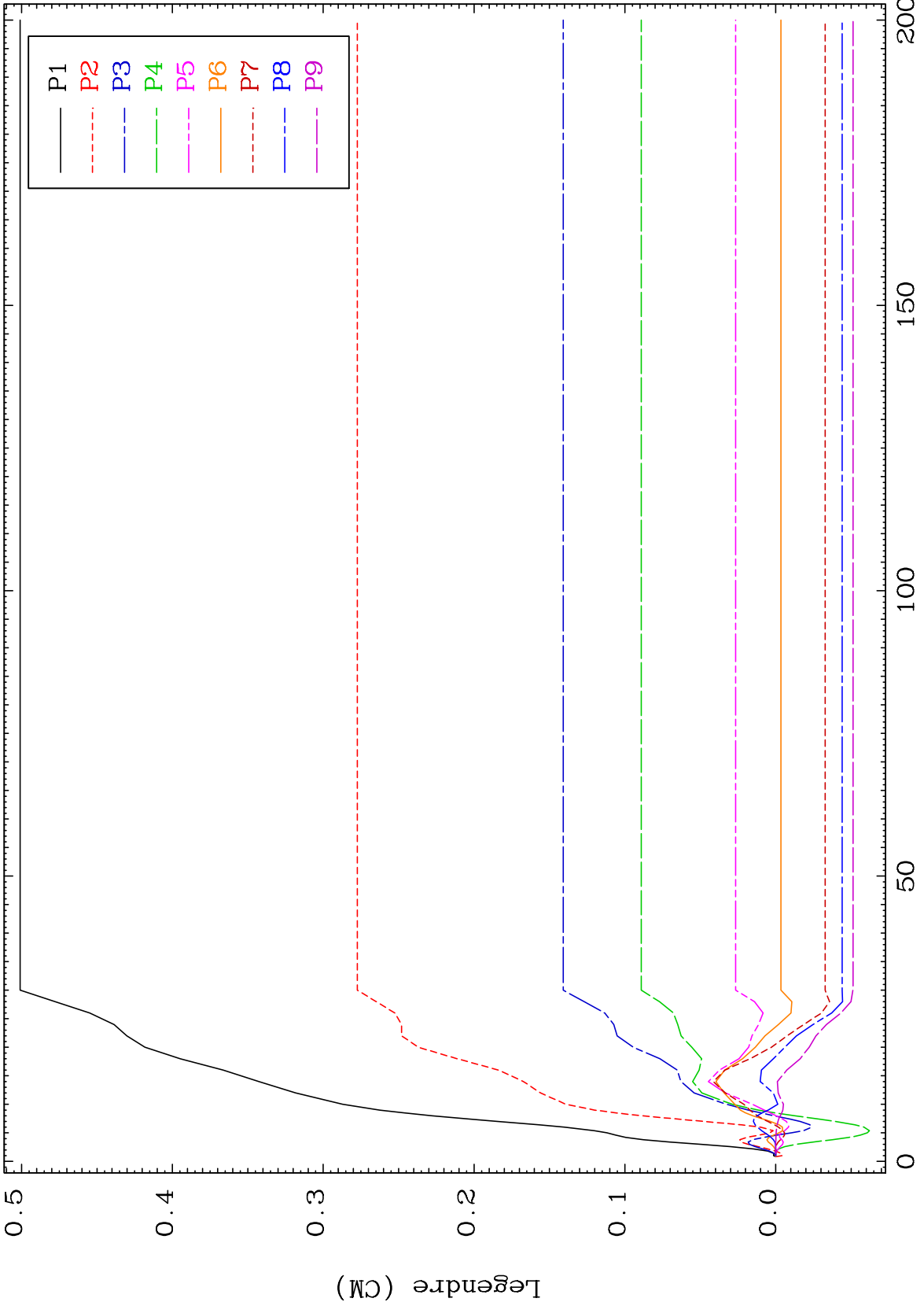


51-Sb-114

Incident Energy (MeV)

100

MAT 5104 MT= 74 (n,n') Level Legendre Coefficients 51-Sb-114

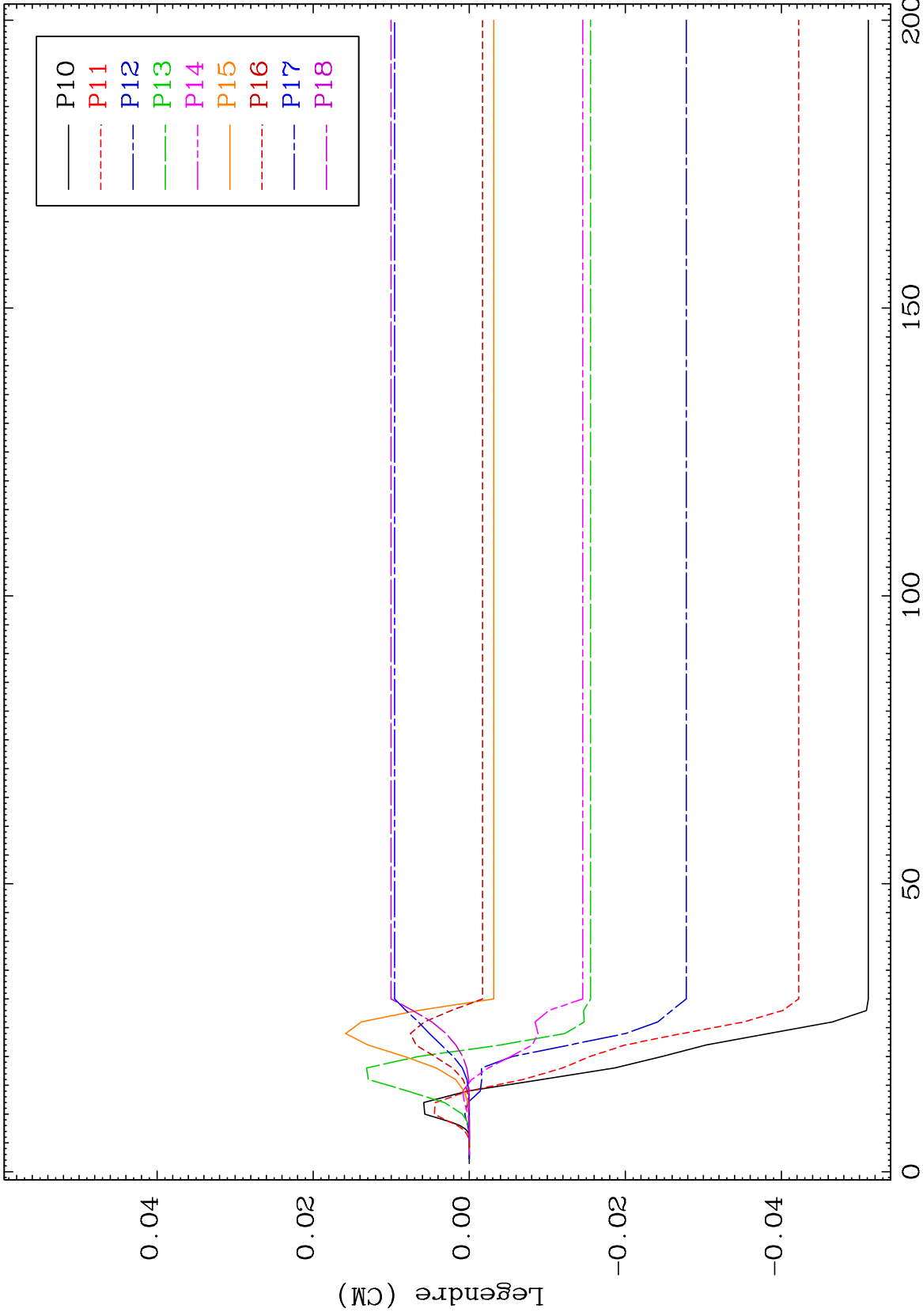


102 Incident Energy (MeV) 51-Sb-114

MAT 5104

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

51-Sb-114



103

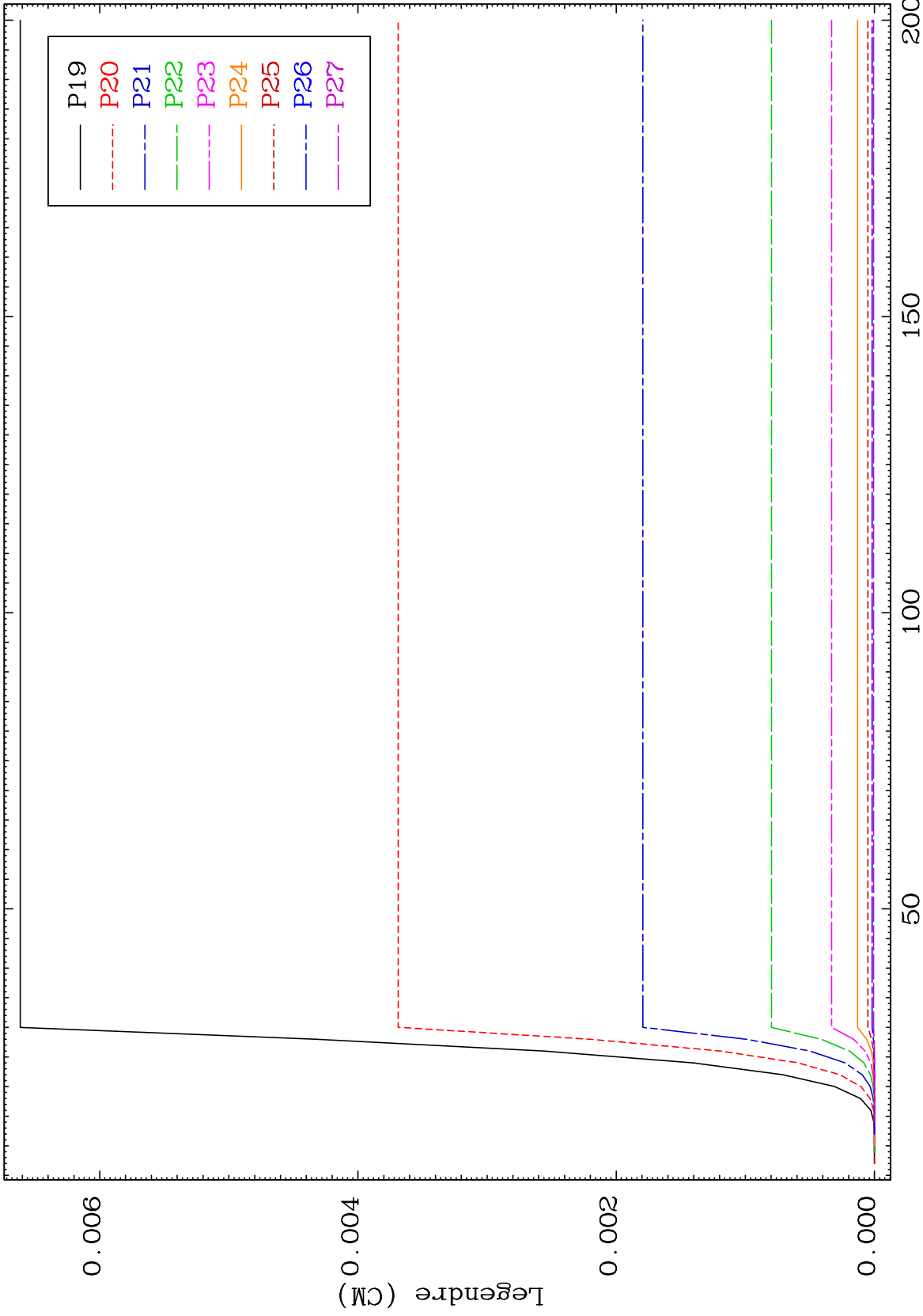
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



104

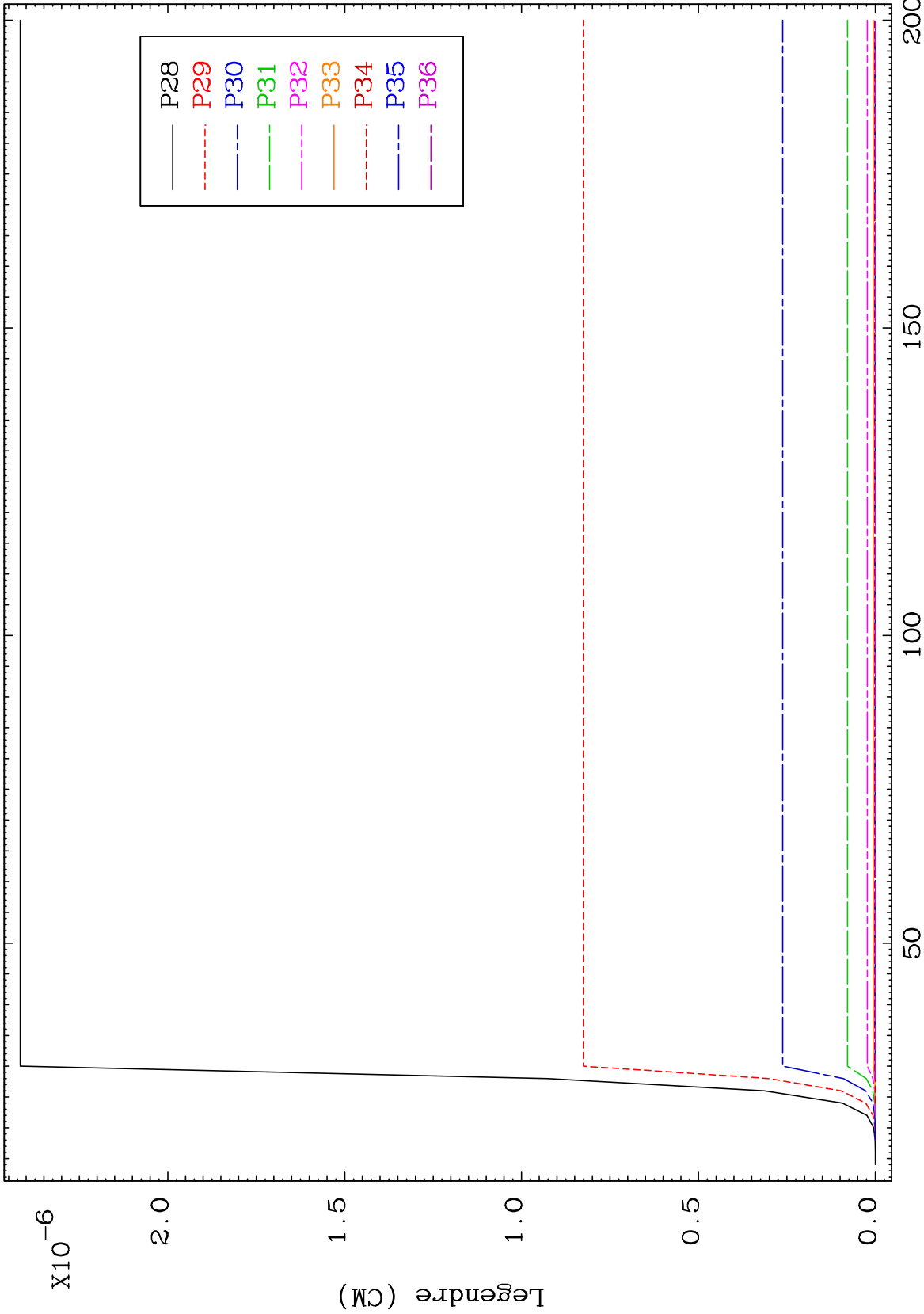
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114

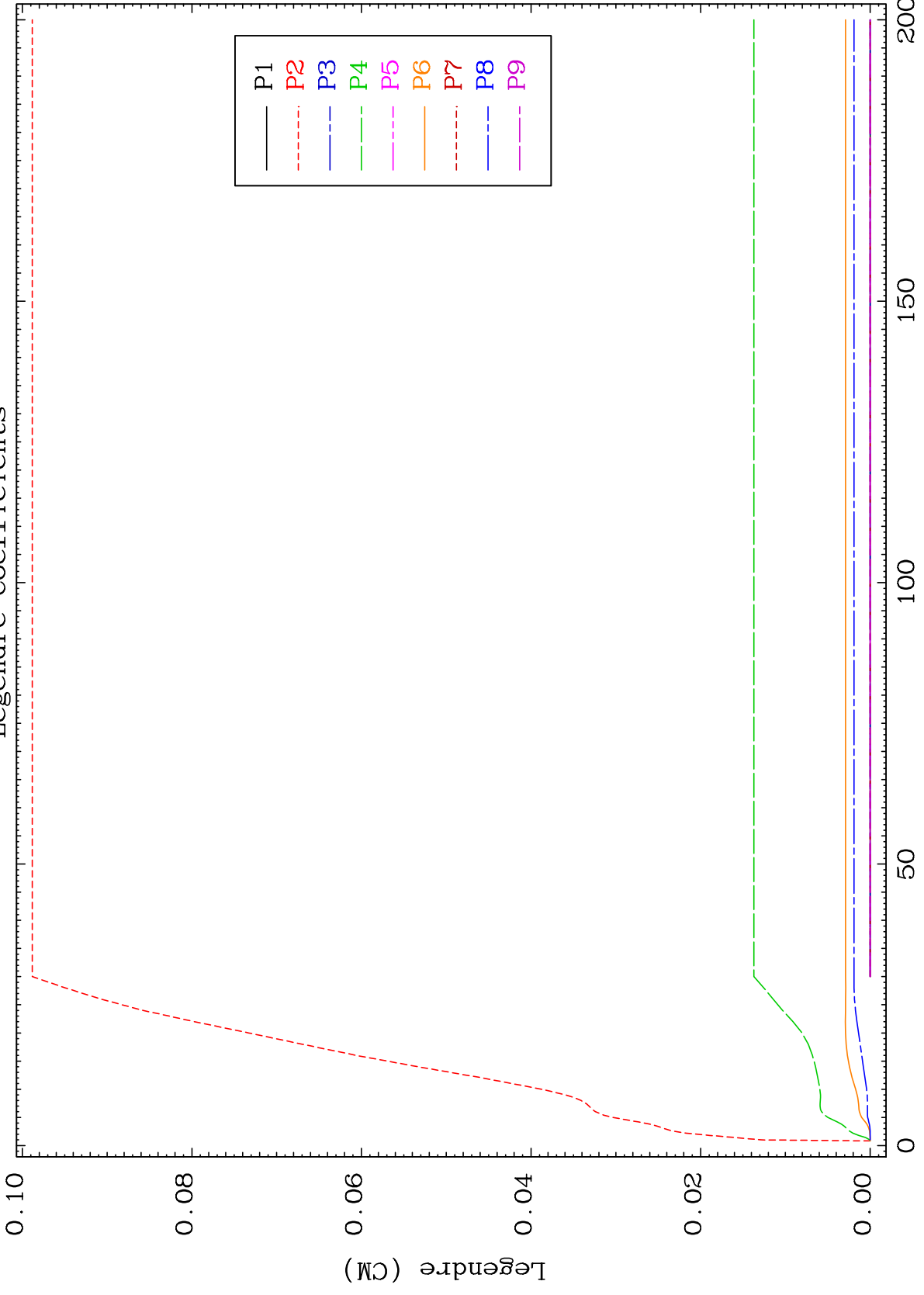


105

51-Sb-114

51-Sb-114

MAT 5104 MT= 75 (n,n') Level Legendre Coefficients 51-Sb-114

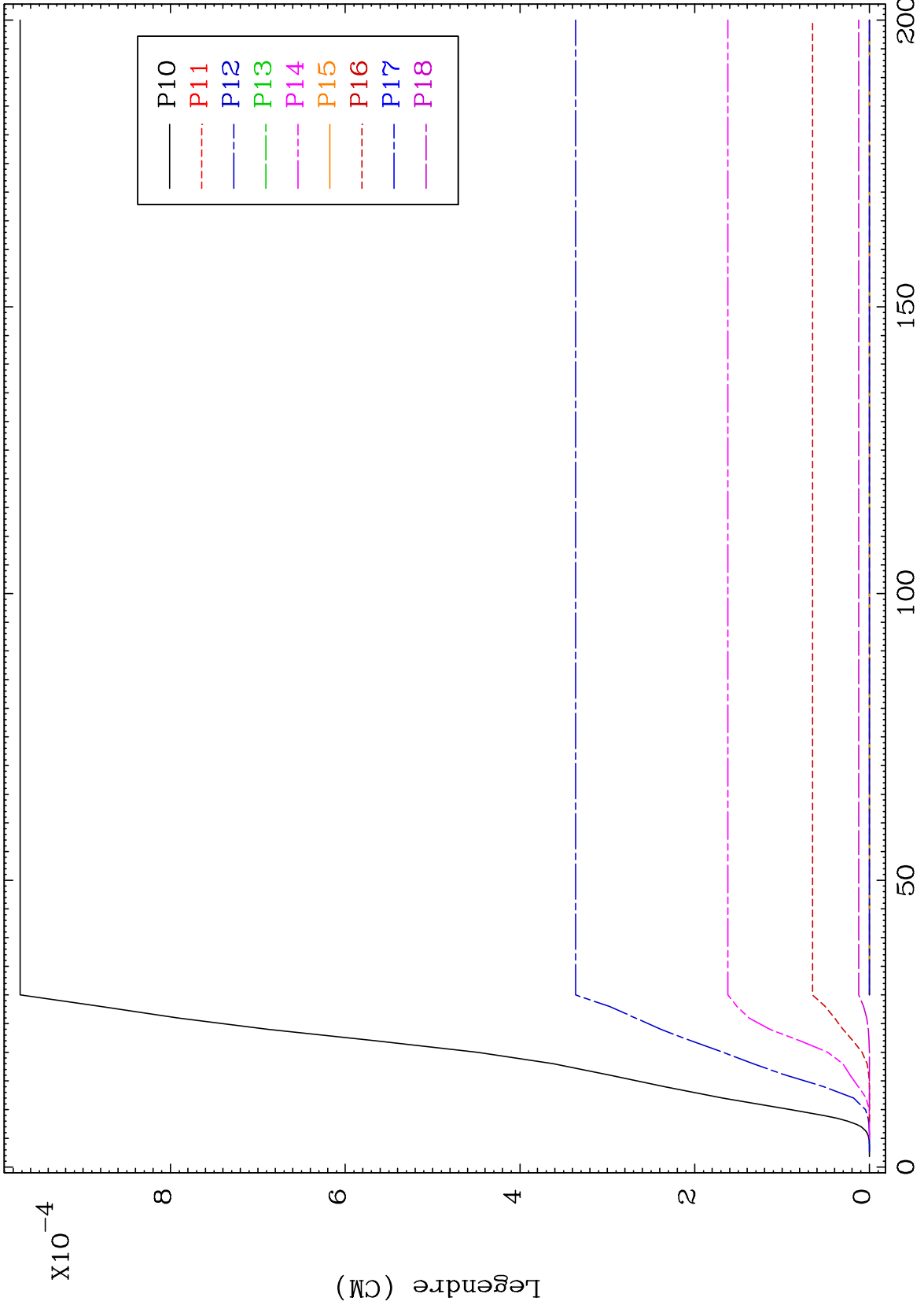


106 Incident Energy (MeV) 51-Sb-114

MAT 5104

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

51-Sb-114

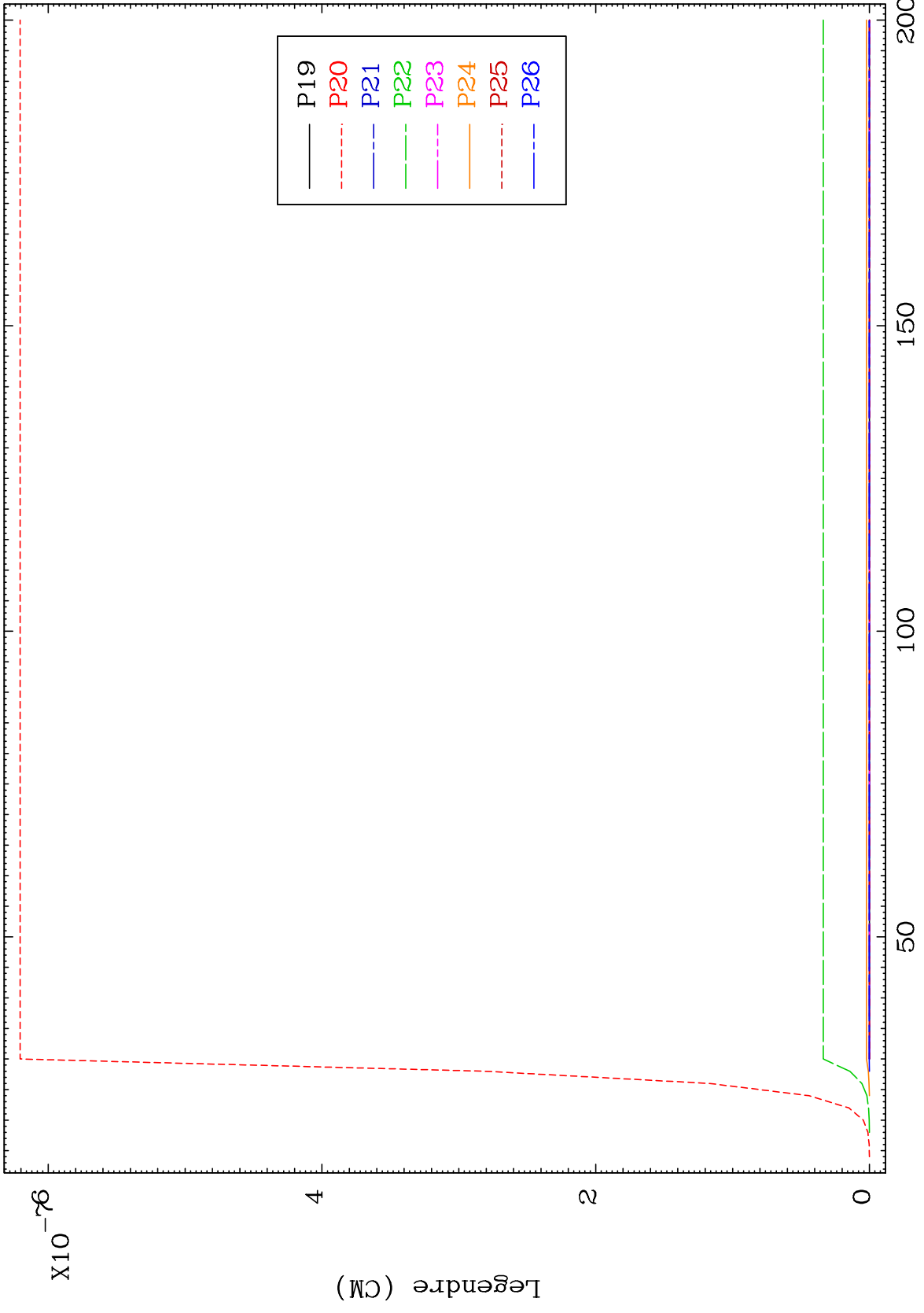


107

Incident Energy (MeV)

51-Sb-114

MAT 5104 MT= 75 (n,n') Level Legendre Coefficients 51-Sb-114

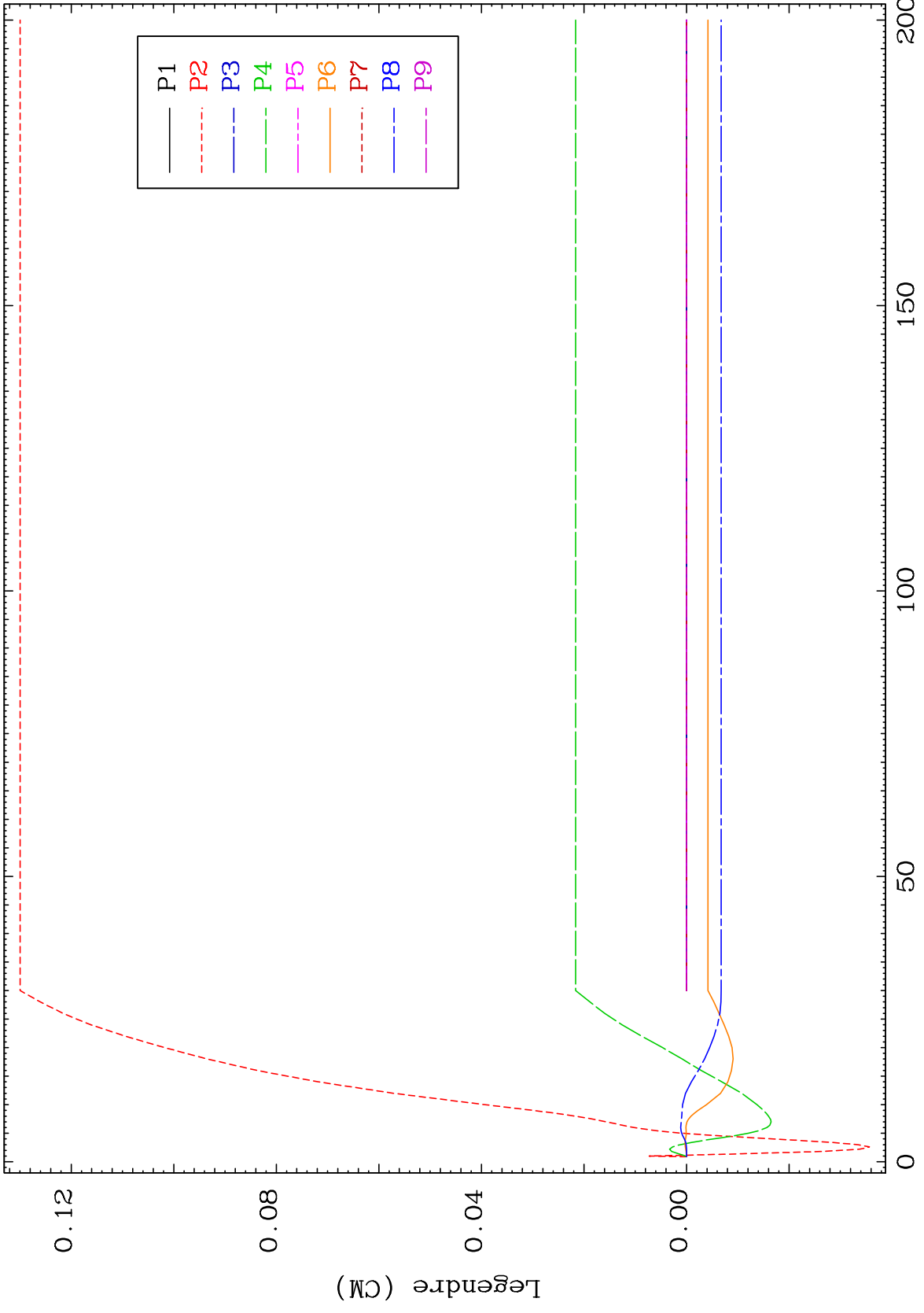


108 Incident Energy (MeV) 51-Sb-114

MAT 5104

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

51-Sb-114



51-Sb-114

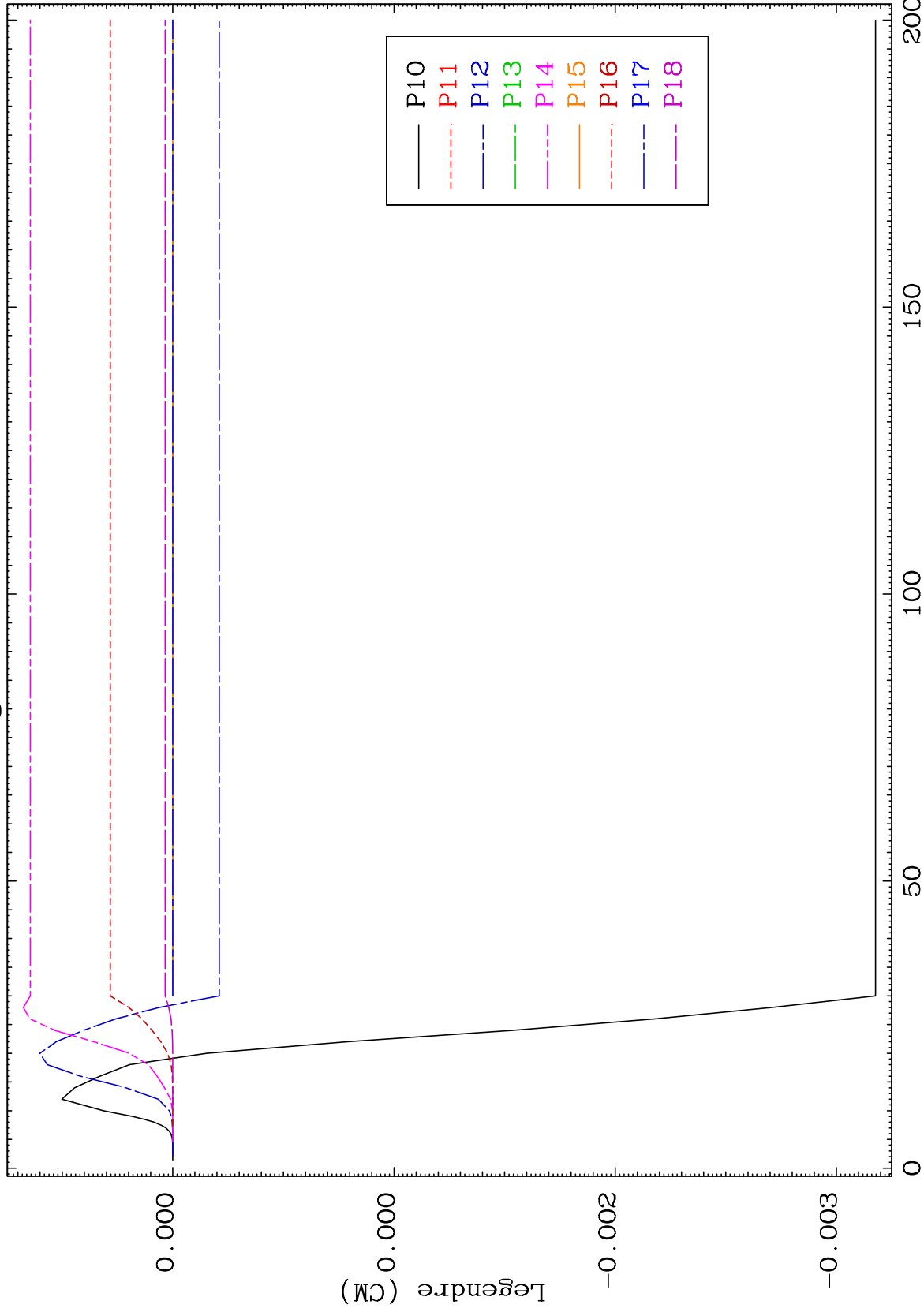
Incident Energy (MeV)

109

MAT 5104

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

51-Sb-114



110

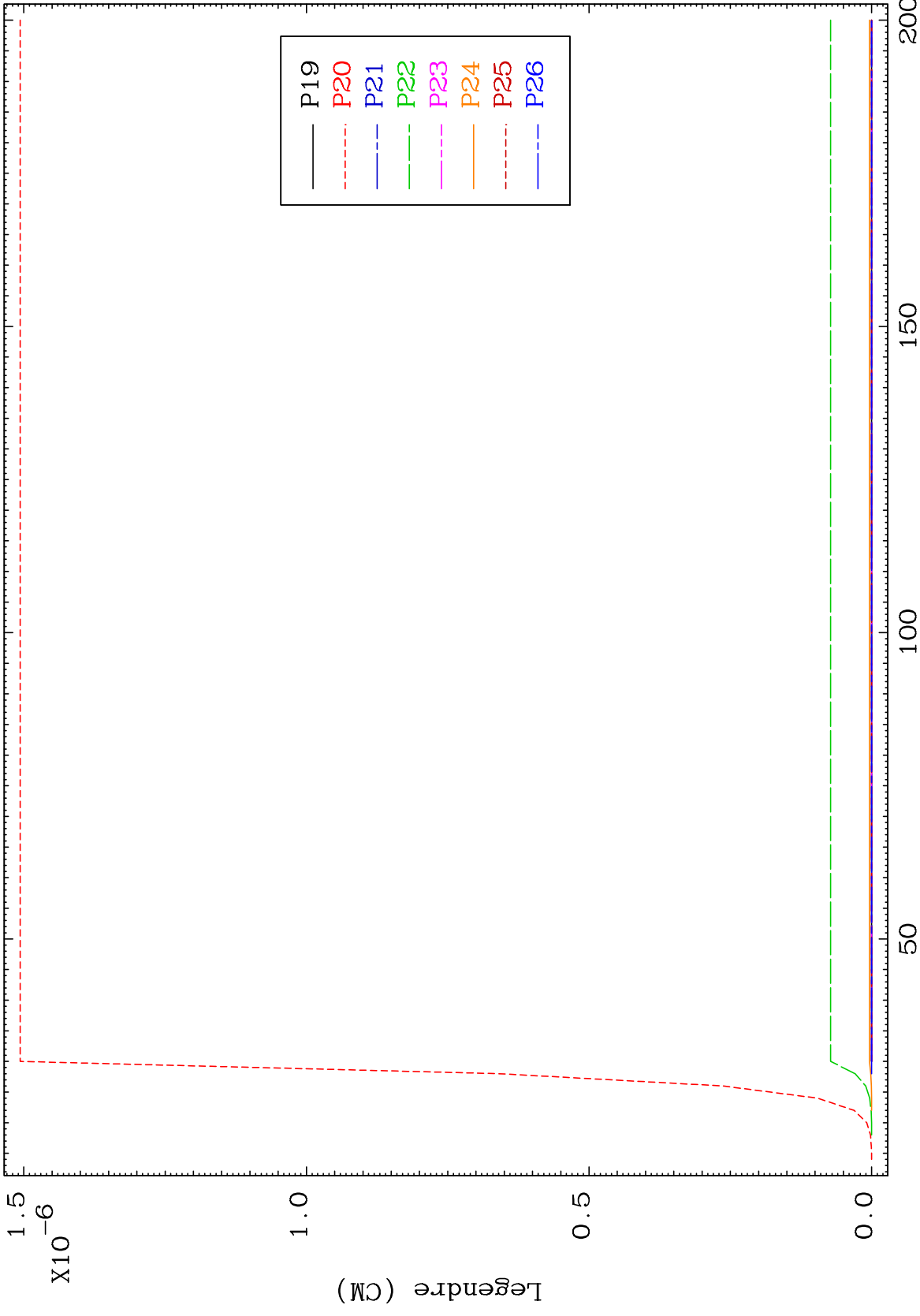
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



51-Sb-114

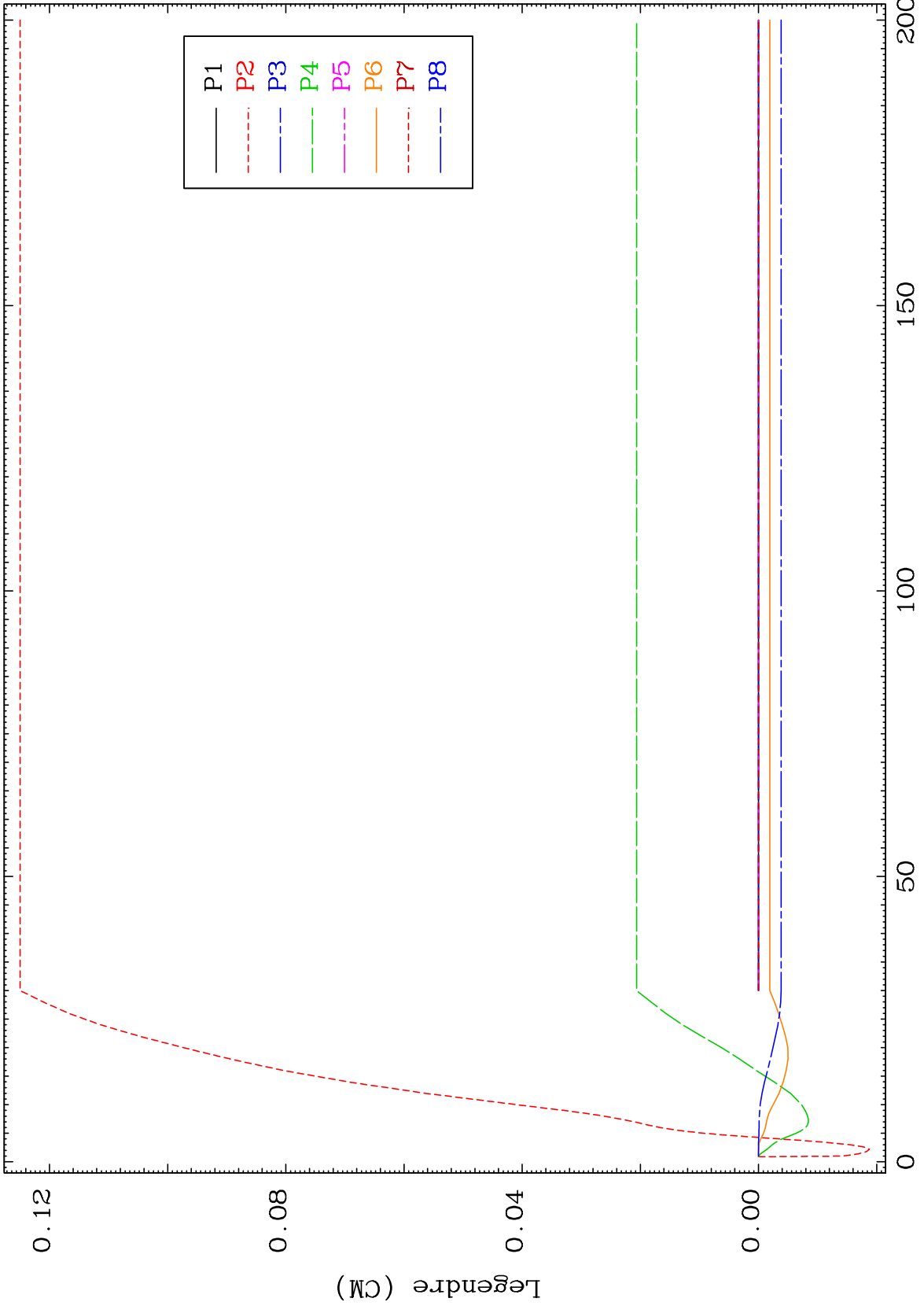
Incident Energy (MeV)

111

MAT 5104

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

51-Sb-114



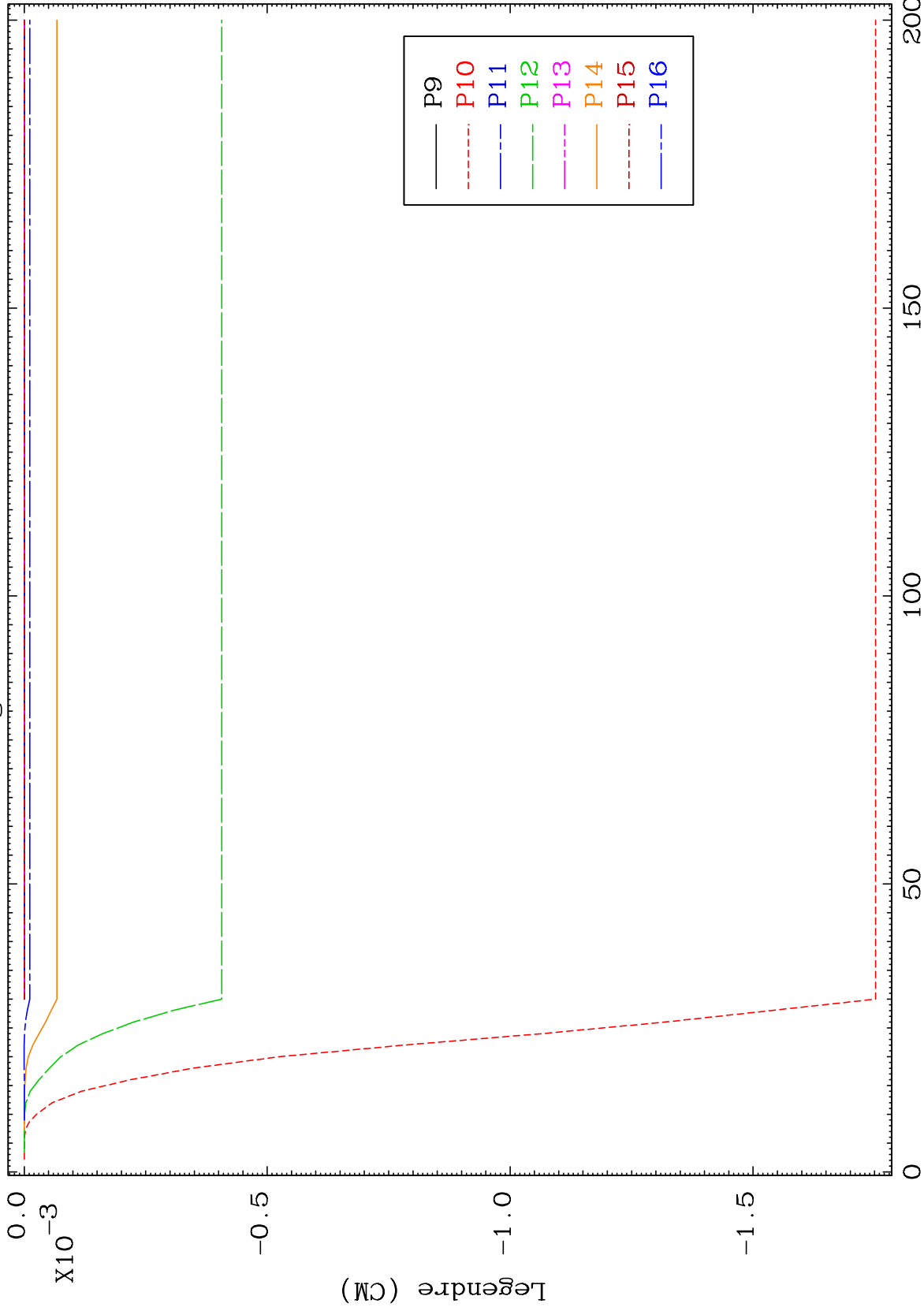
112

51-Sb-114

MAT 5104

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

51-Sb-114

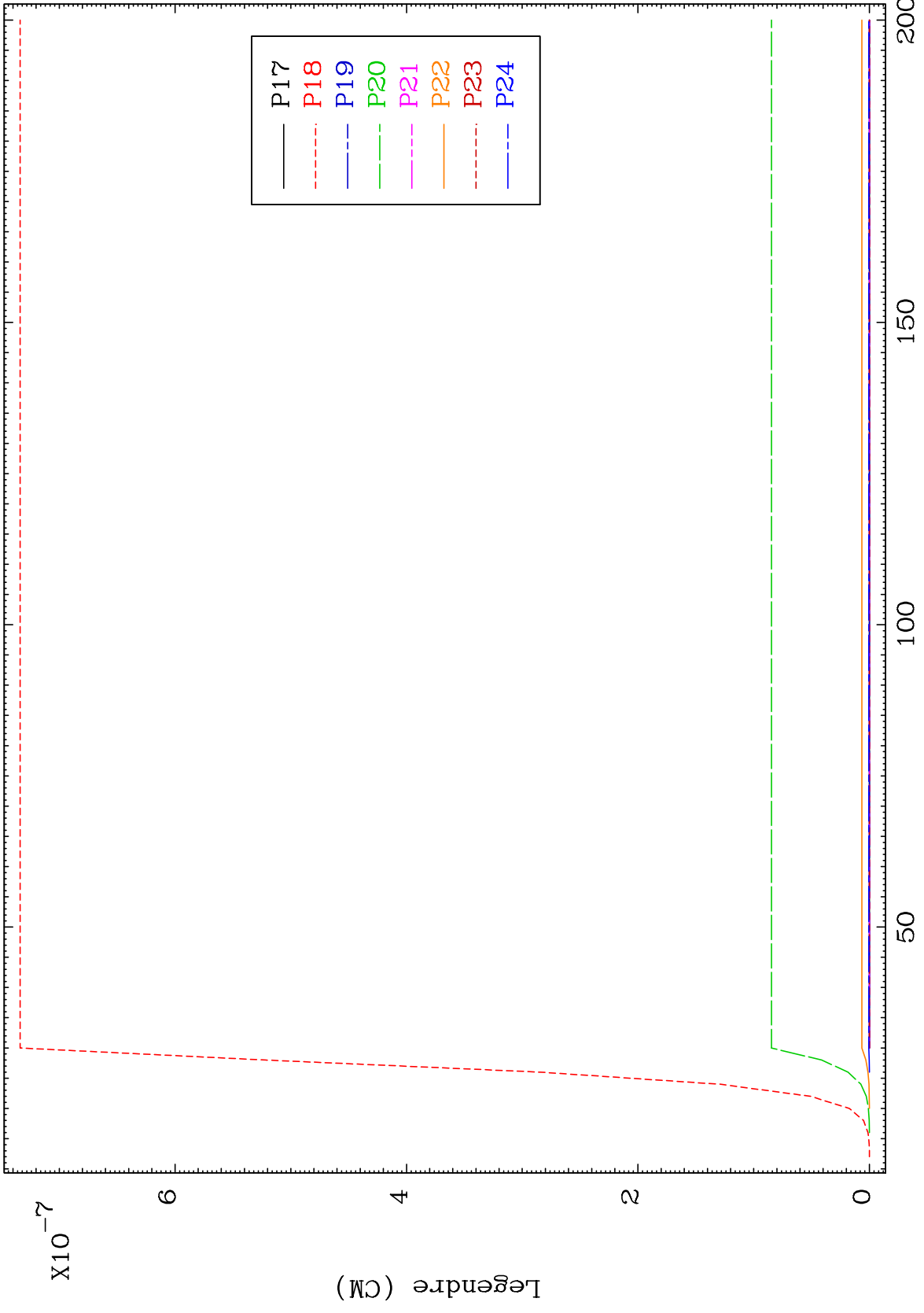


113

Incident Energy (MeV)

51-Sb-114

MAT 5104 MT= 77 (n,n') Level Legendre Coefficients 51-Sb-114

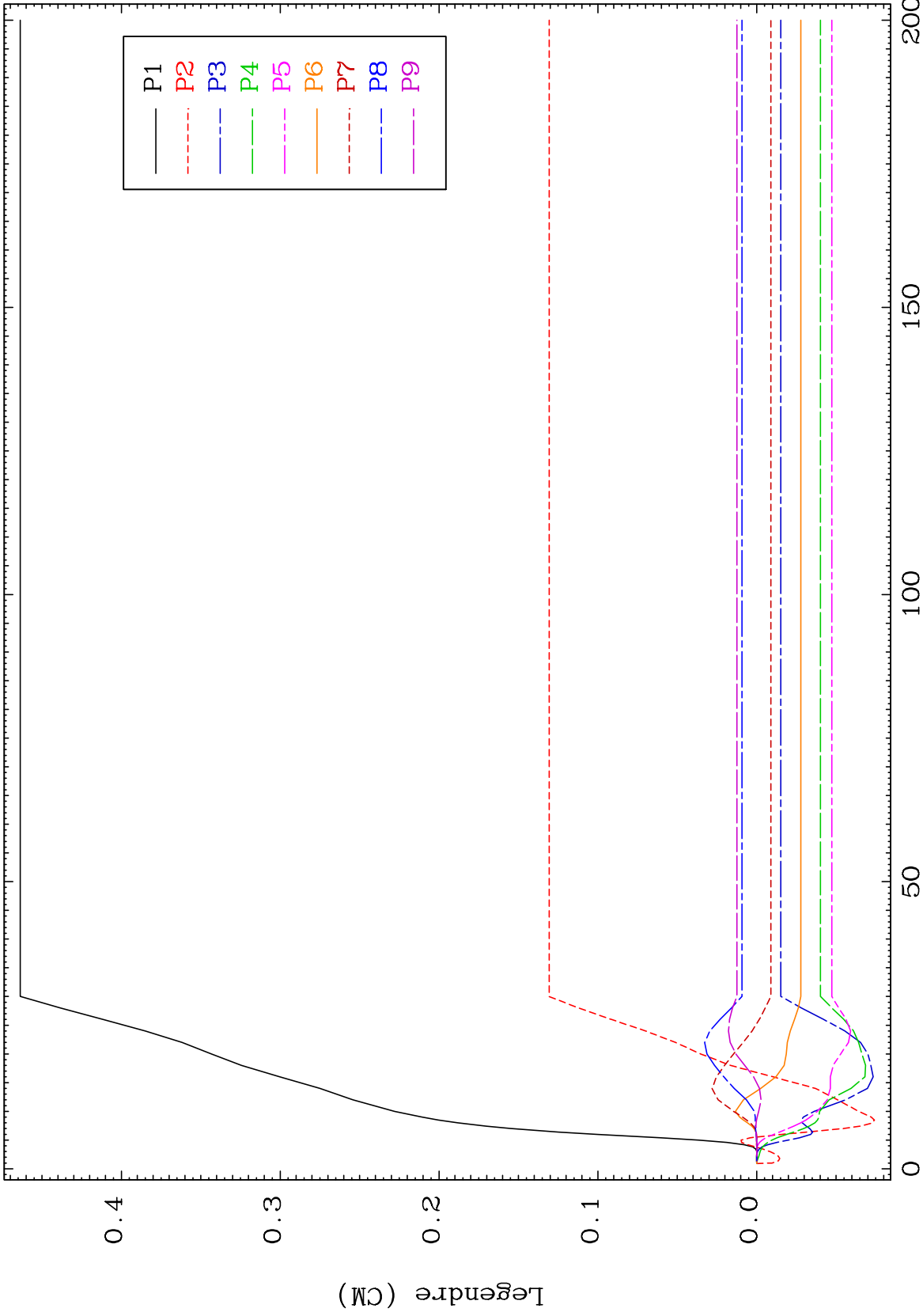


114 51-Sb-114

MAT 5104

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

51-Sb-114



51-Sb-114

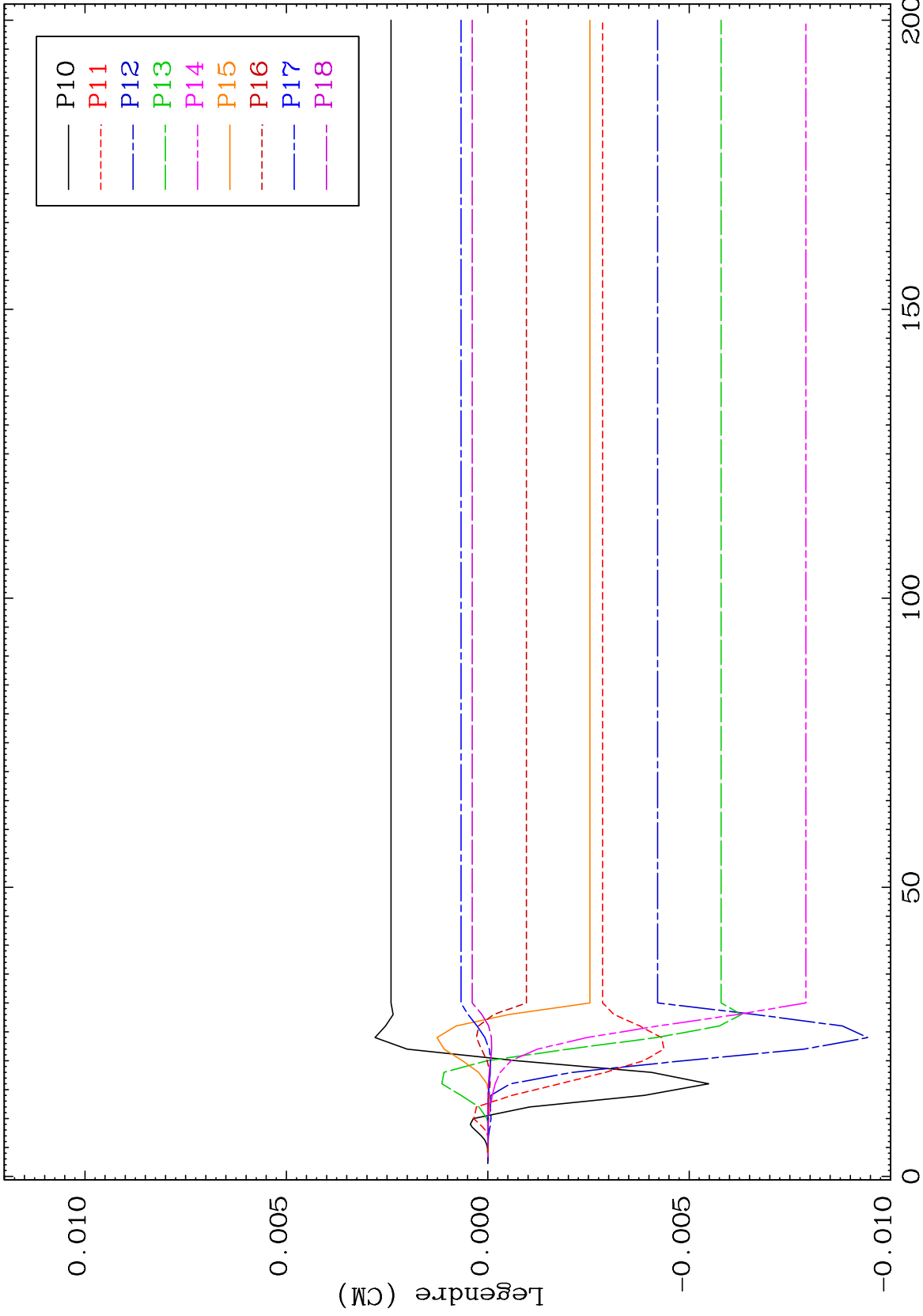
Incident Energy (MeV)

115

MAT 5104

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

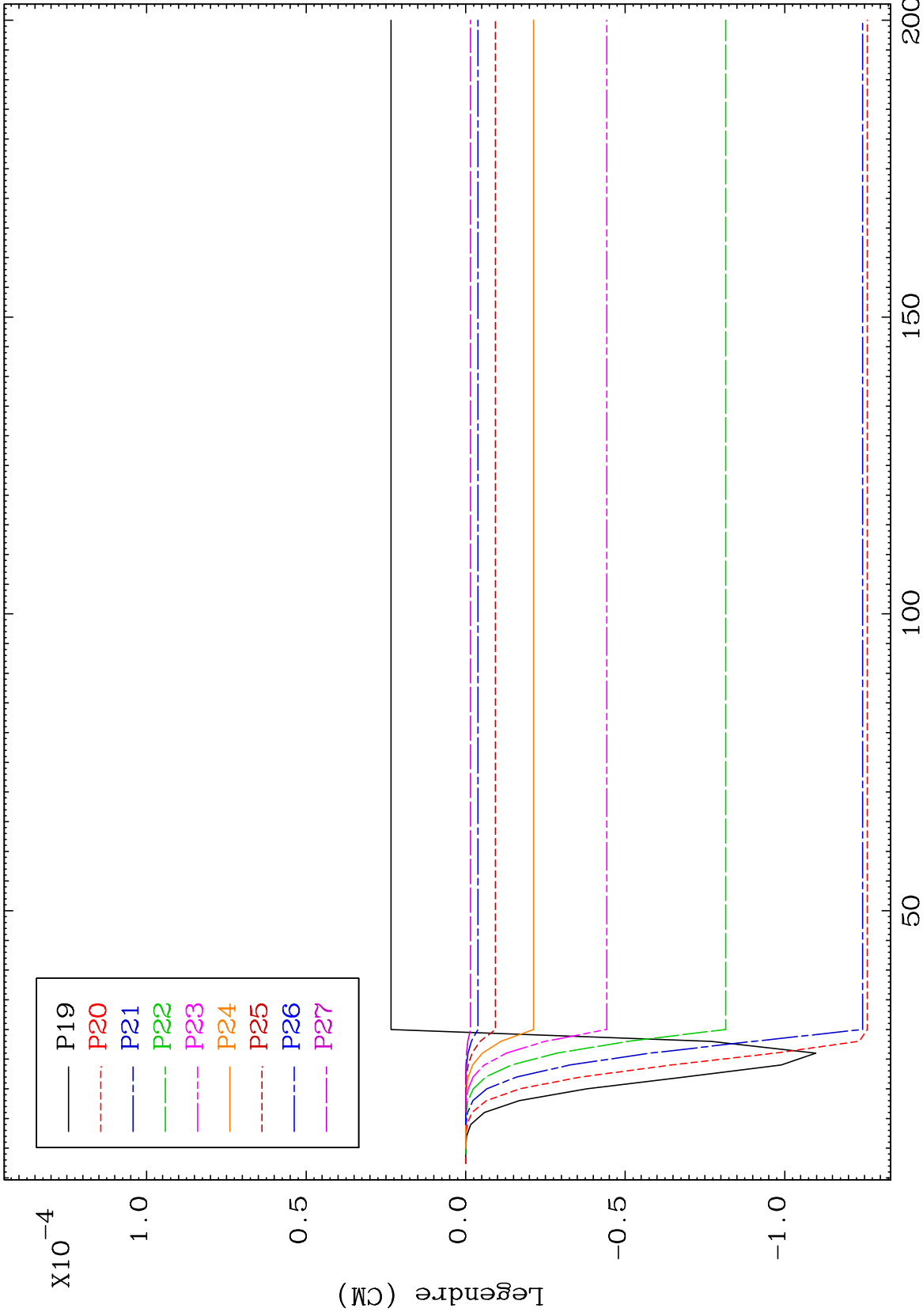
51-Sb-114



116

Incident Energy (MeV)

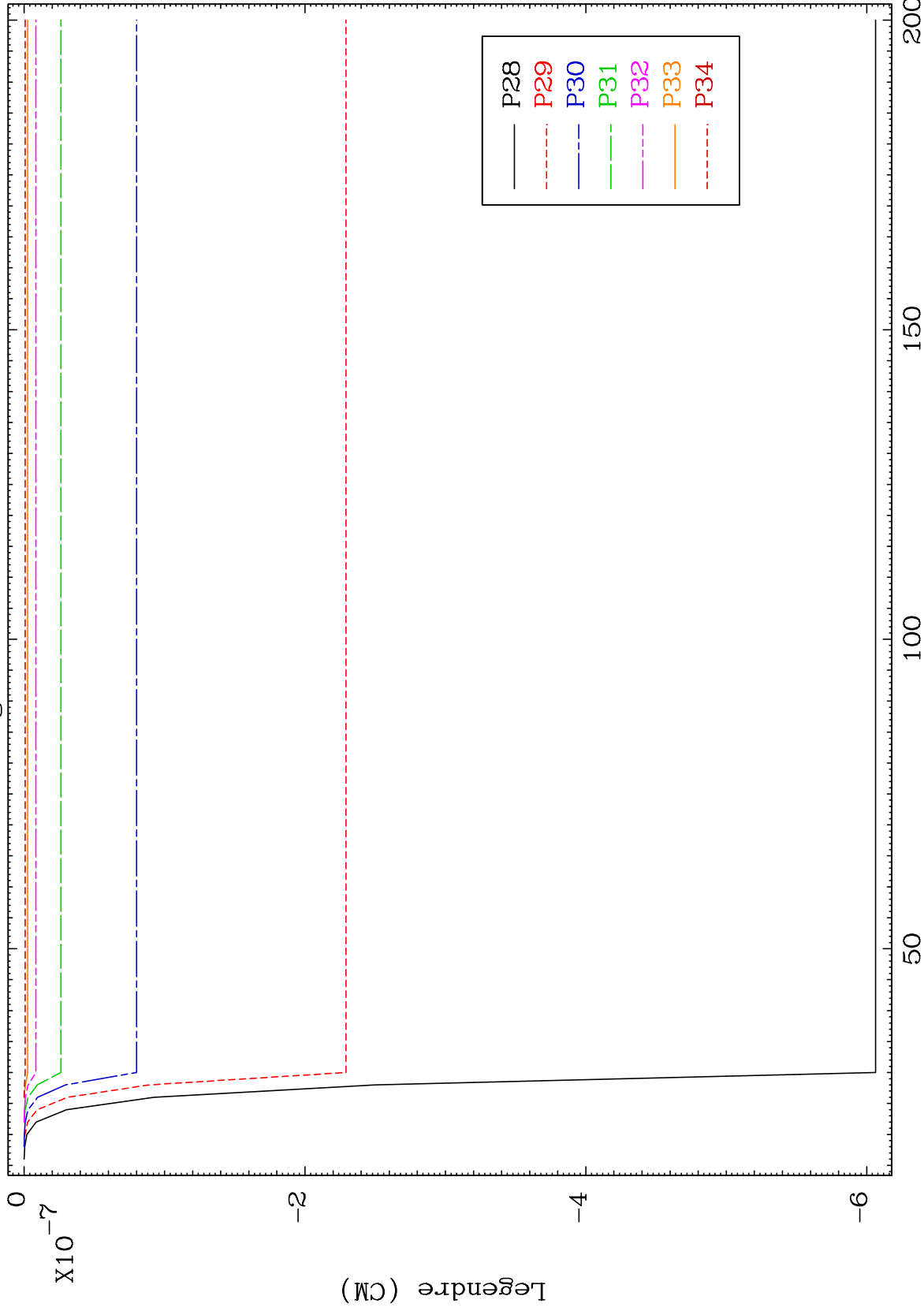
51-Sb-114



MAT 5104

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

51-Sb-114



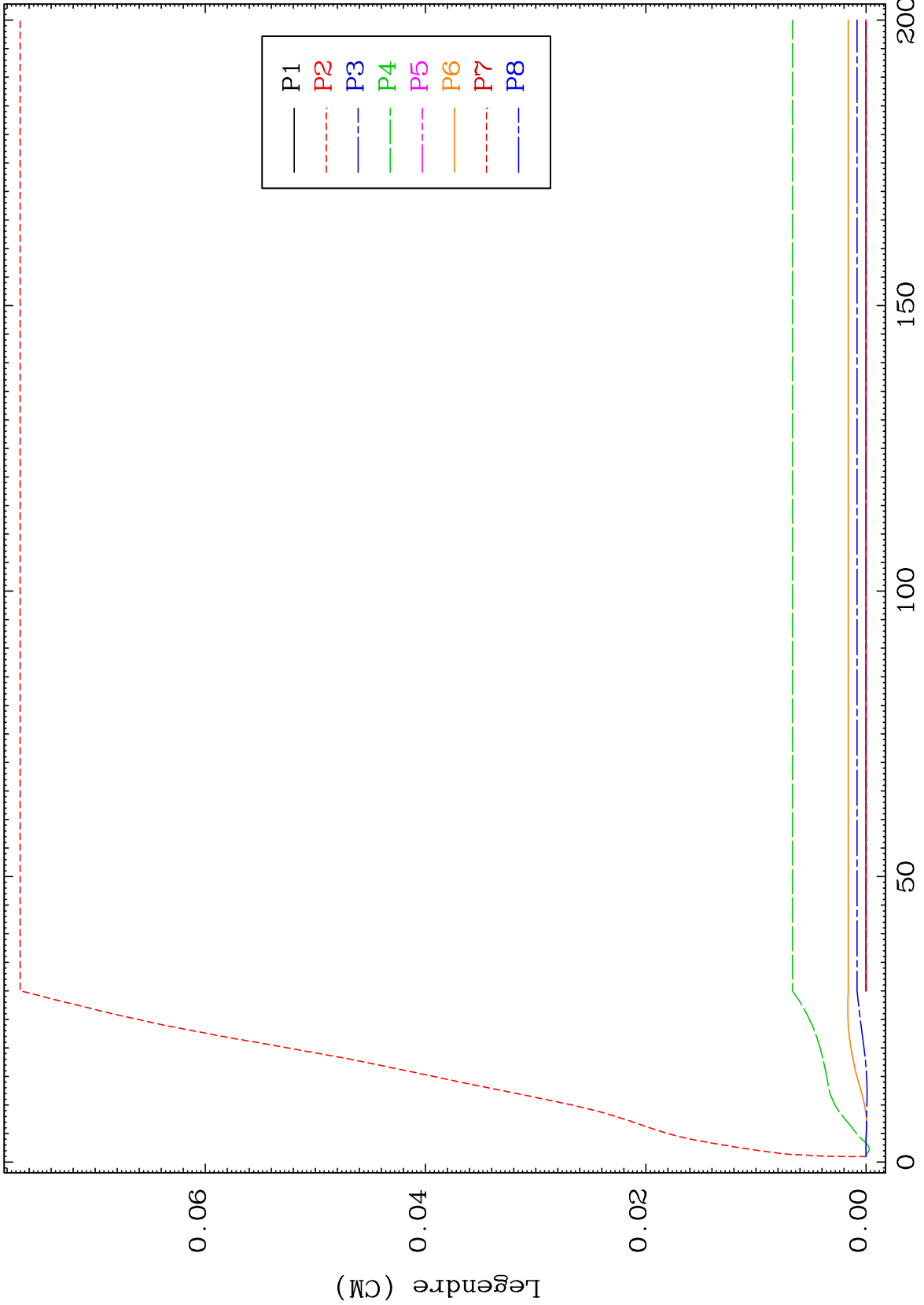
118

51-Sb-114

MAT 5104

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

51-Sb-114



51-Sb-114

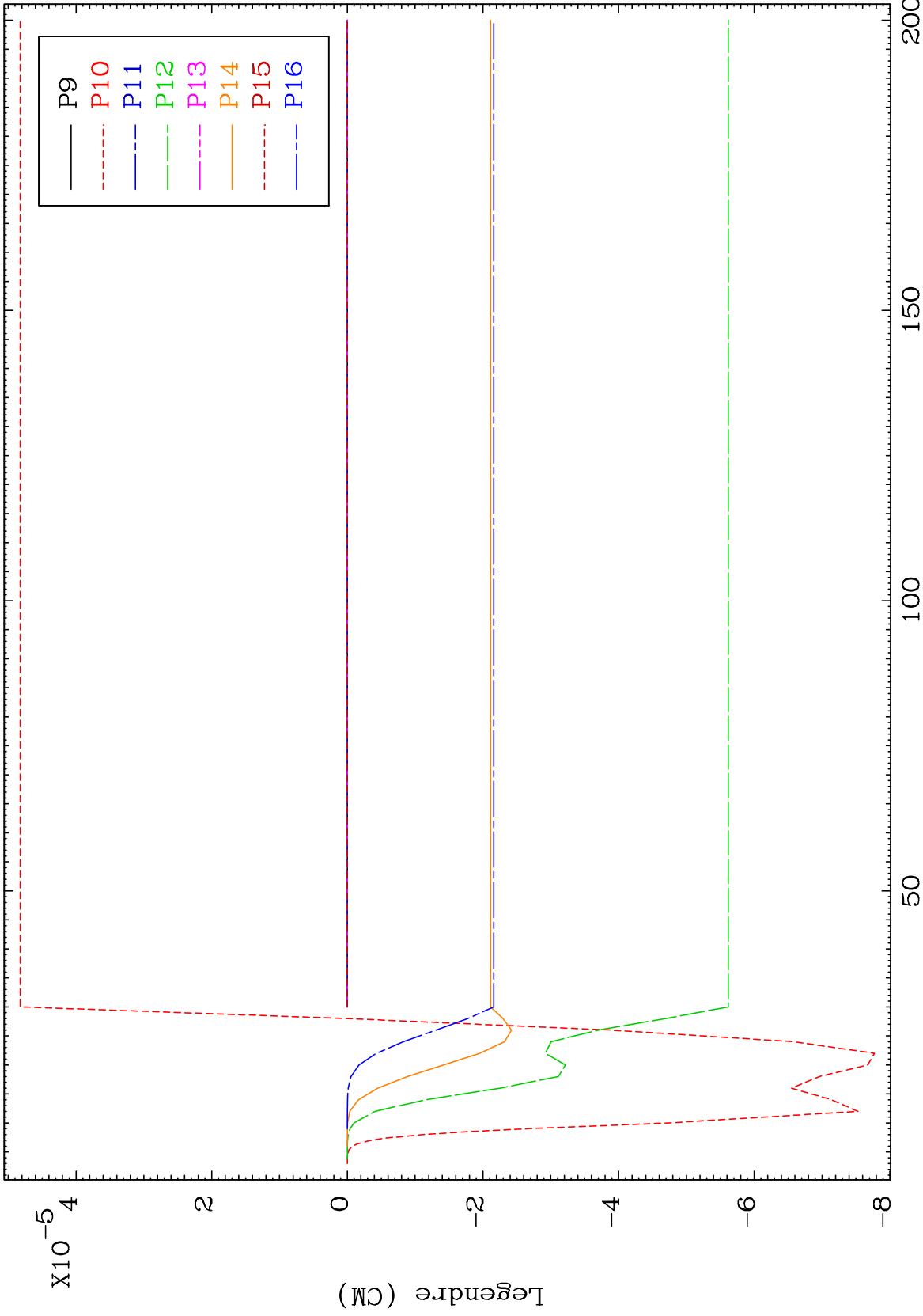
Incident Energy (MeV)

119

MAT 5104

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

51-Sb-114



120

Incident Energy (MeV)

150

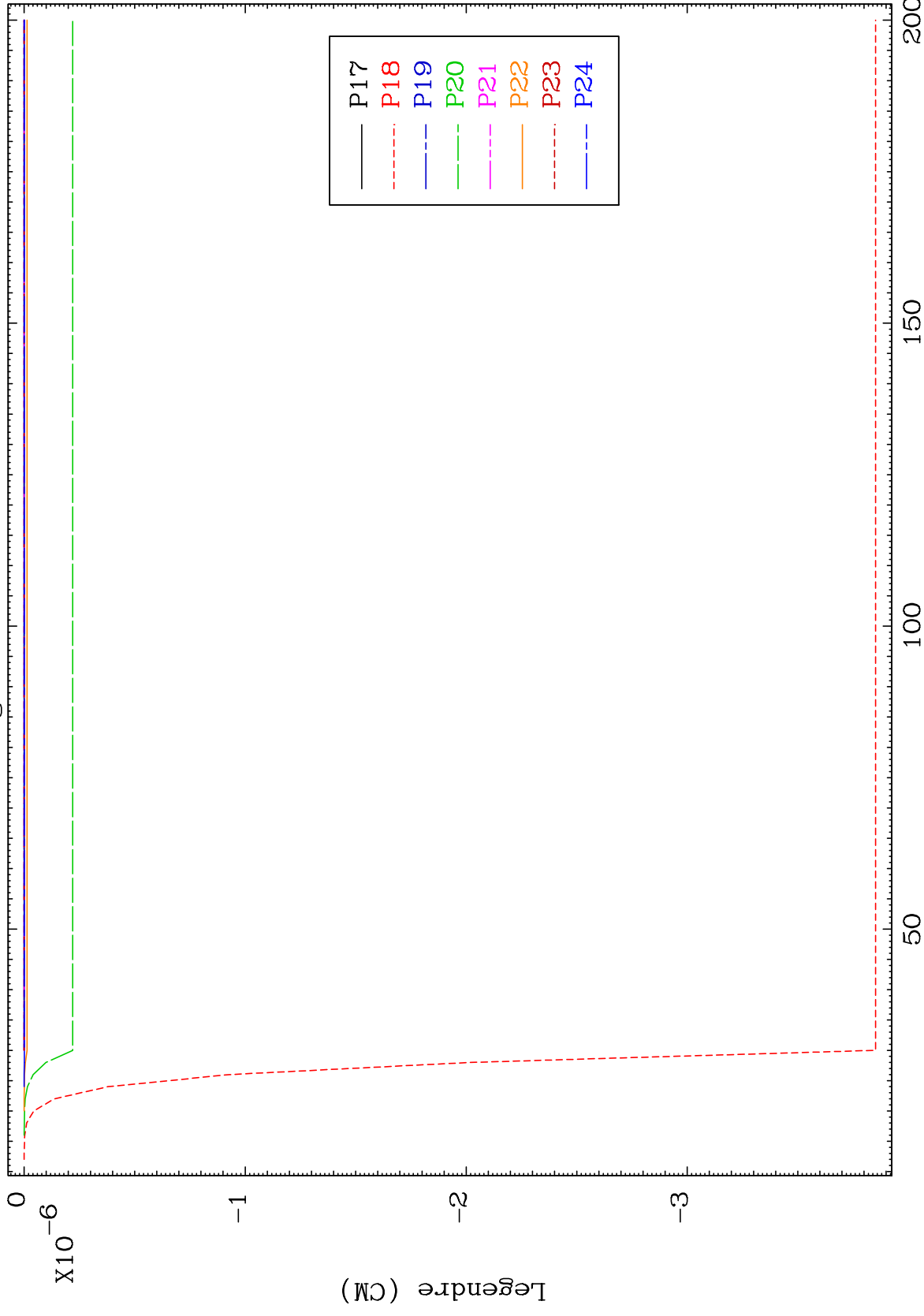
51-Sb-114

200

MAT 5104

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

51-Sb-114



51-Sb-114

Incident Energy (MeV)

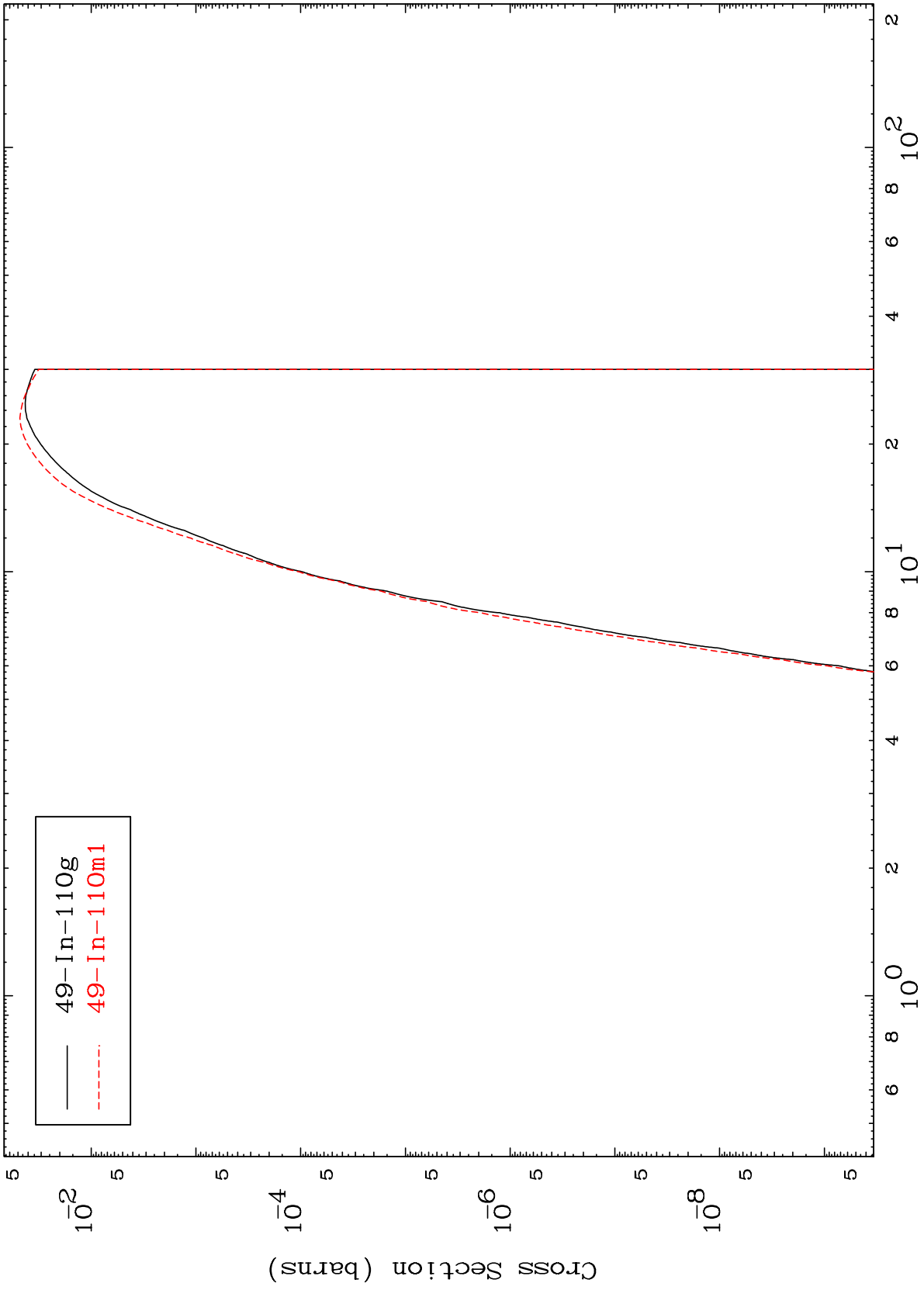
121

MAT 5104

(n,n') α

51-Sb-114

Radionuclide Production Cross Section



122

Incident Energy (MeV)

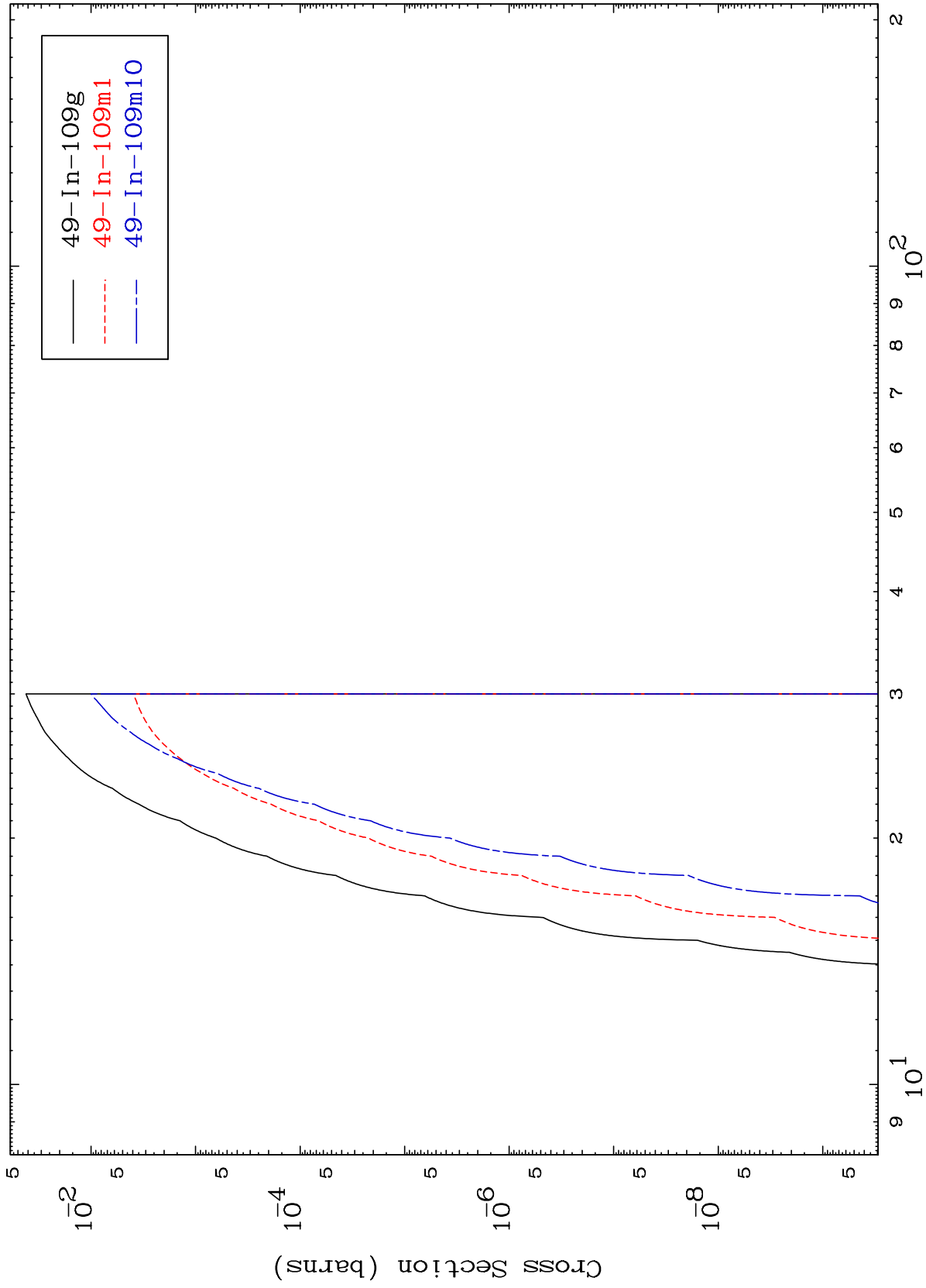
51-Sb-114

MAT 5104

(n,2n) α

51-Sb-114

Radionuclide Production Cross Section



123

Incident Energy (MeV)

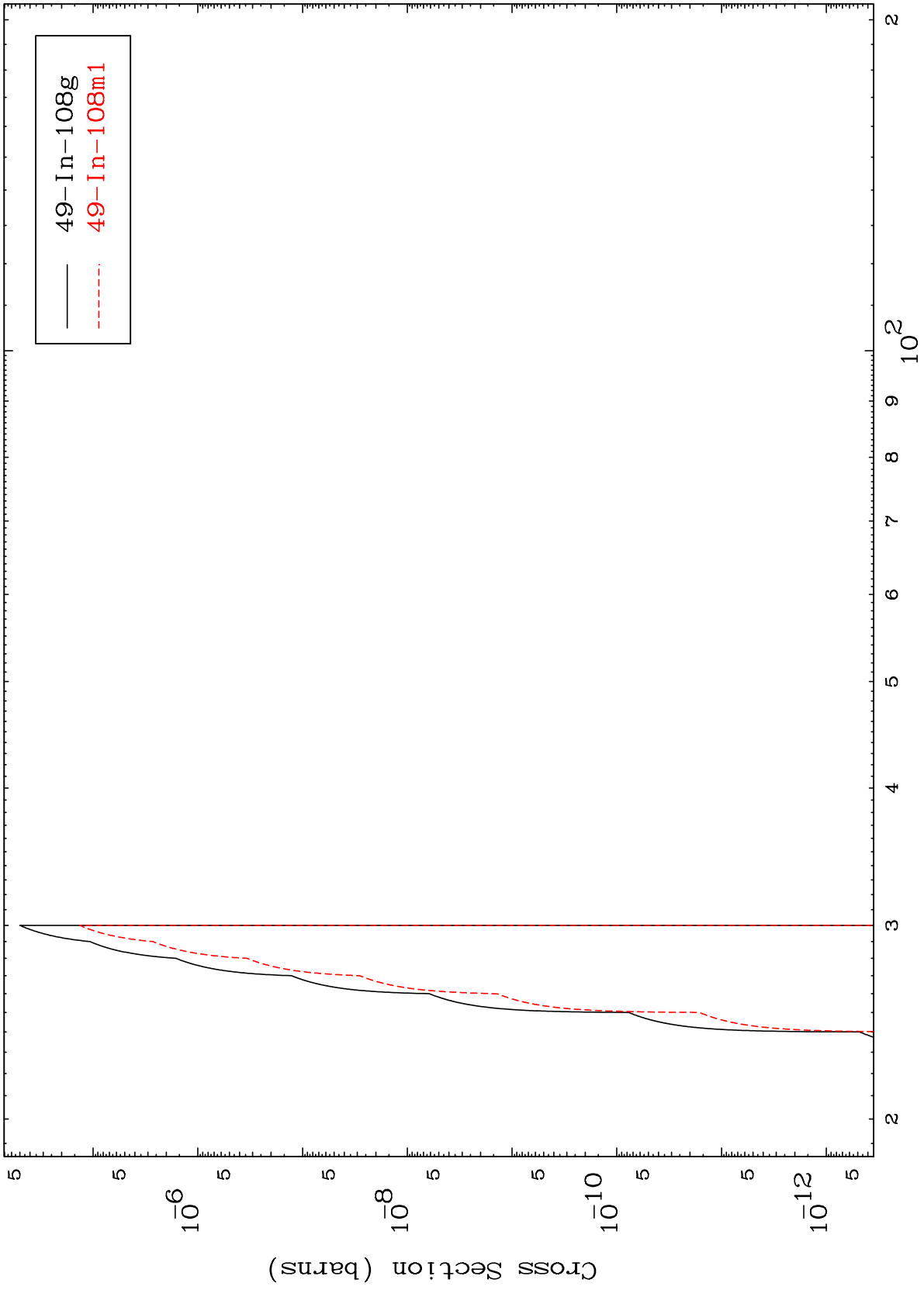
51-Sb-114

MAT 5104

(n,3n) α

51-Sb-114

Radionuclide Production Cross Section



124

Incident Energy (MeV)

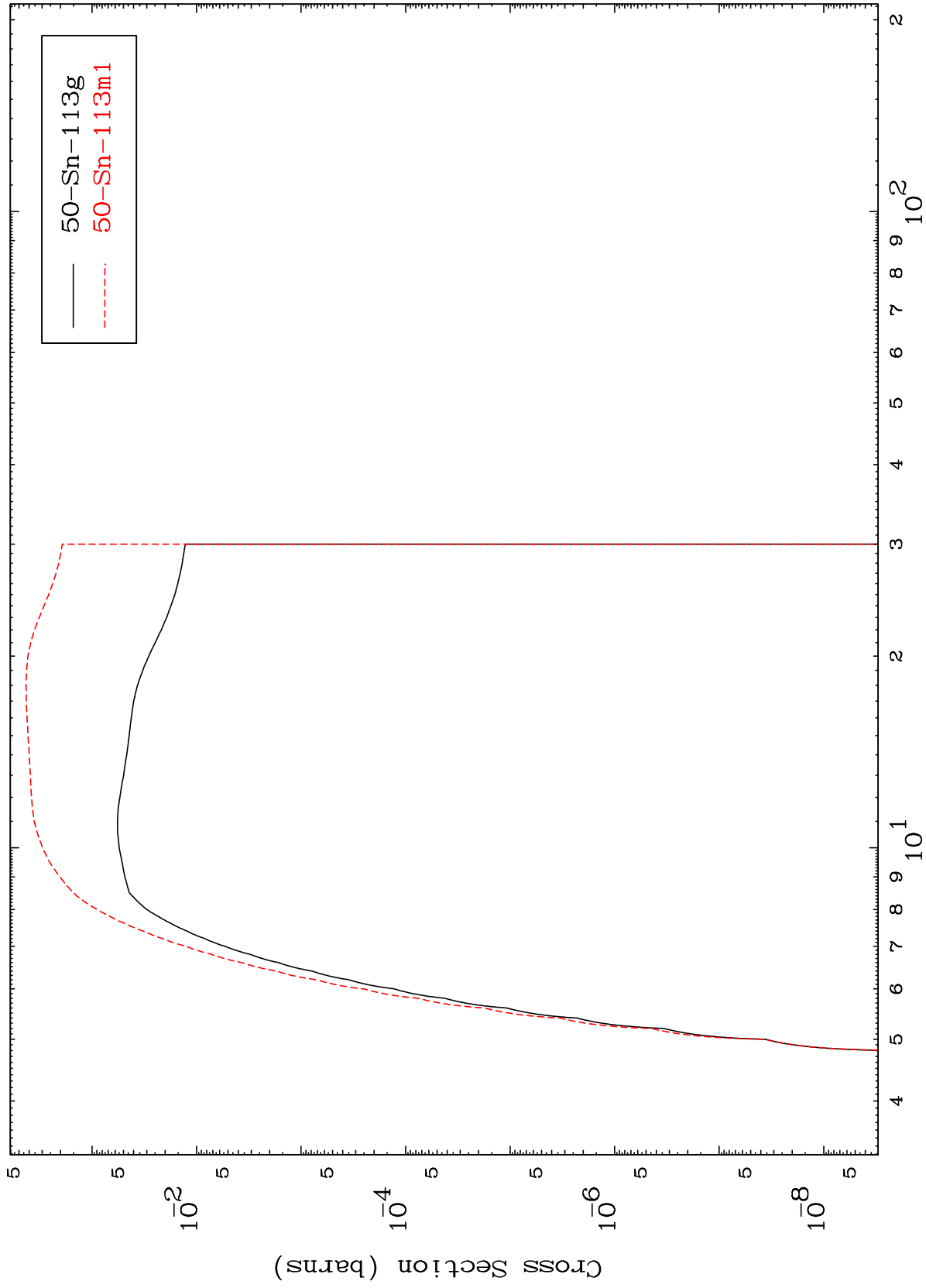
51-Sb-114

MAT 5104

(n,n') p

51-Sb-114

Radionuclide Production Cross Section



125

Incident Energy (MeV)

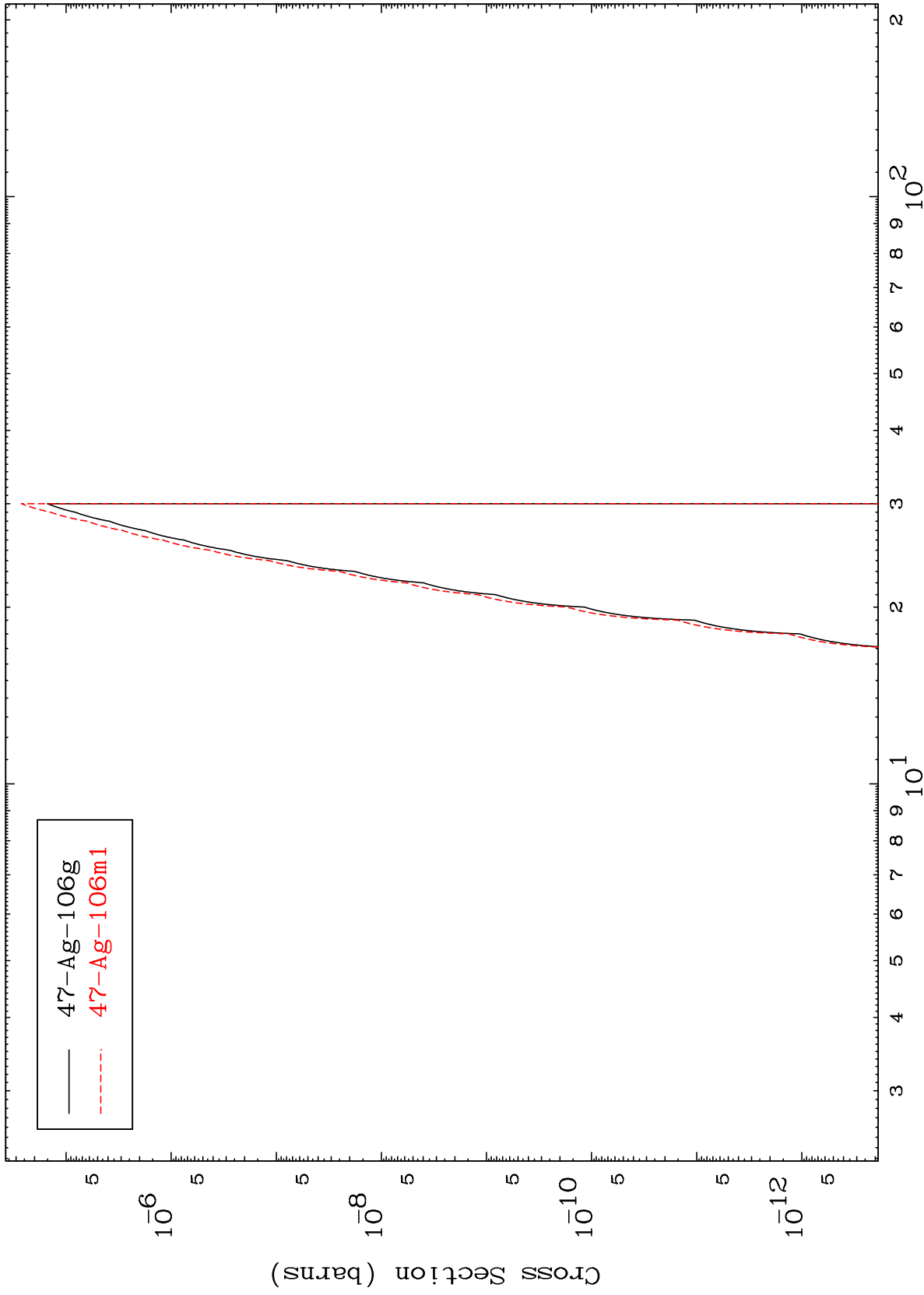
51-Sb-114

MAT 5104

(n,n') 2α

51-Sb-114

Radionuclide Production Cross Section



126

Incident Energy (MeV)

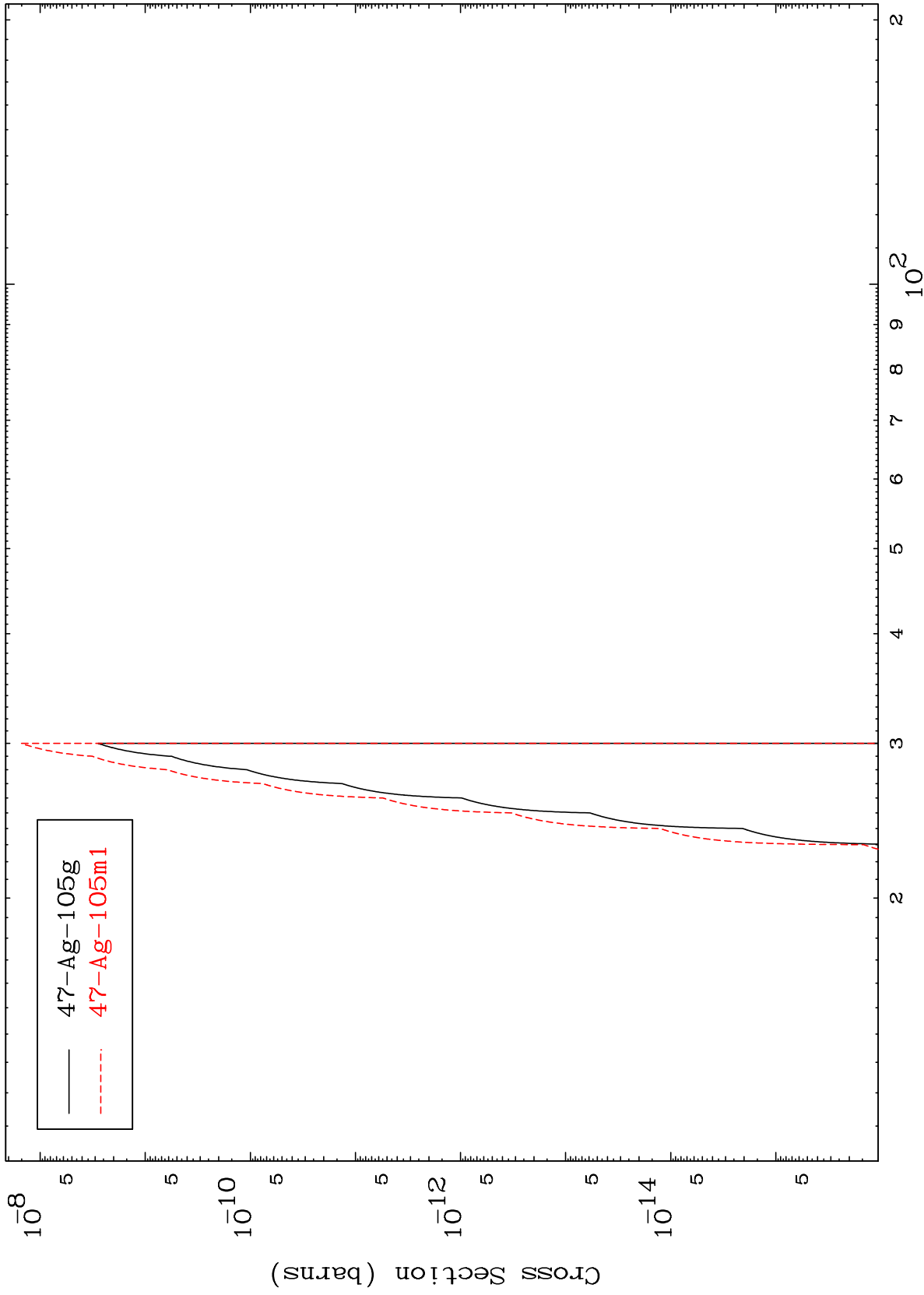
51-Sb-114

MAT 5104

(n,2n) 2 α

51-Sb-114

Radionuclide Production Cross Section



127

Incident Energy (MeV)

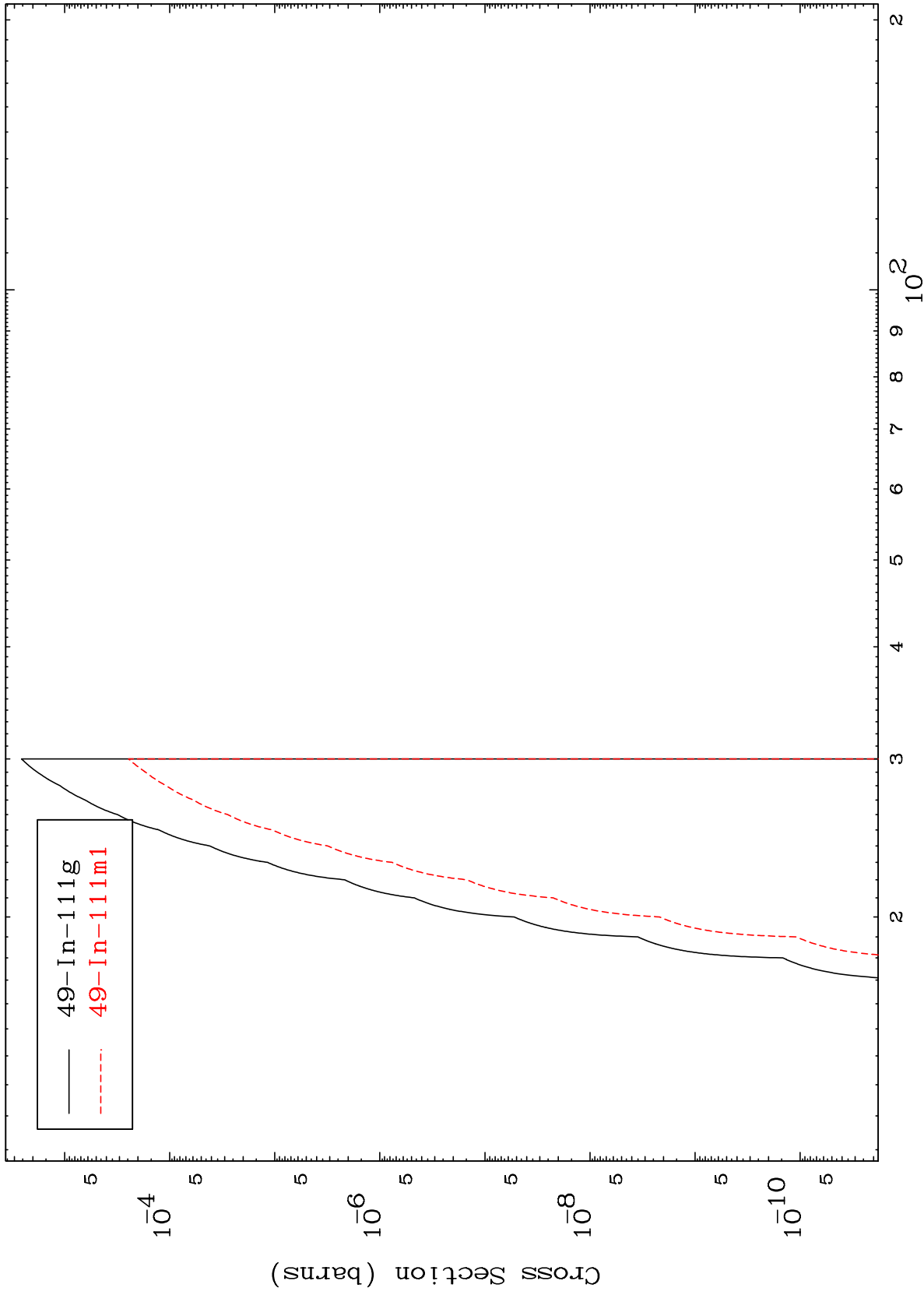
51-Sb-114

MAT 5104

(n, n') He-3

51-Sb-114

Radionuclide Production Cross Section



128

Incident Energy (MeV)

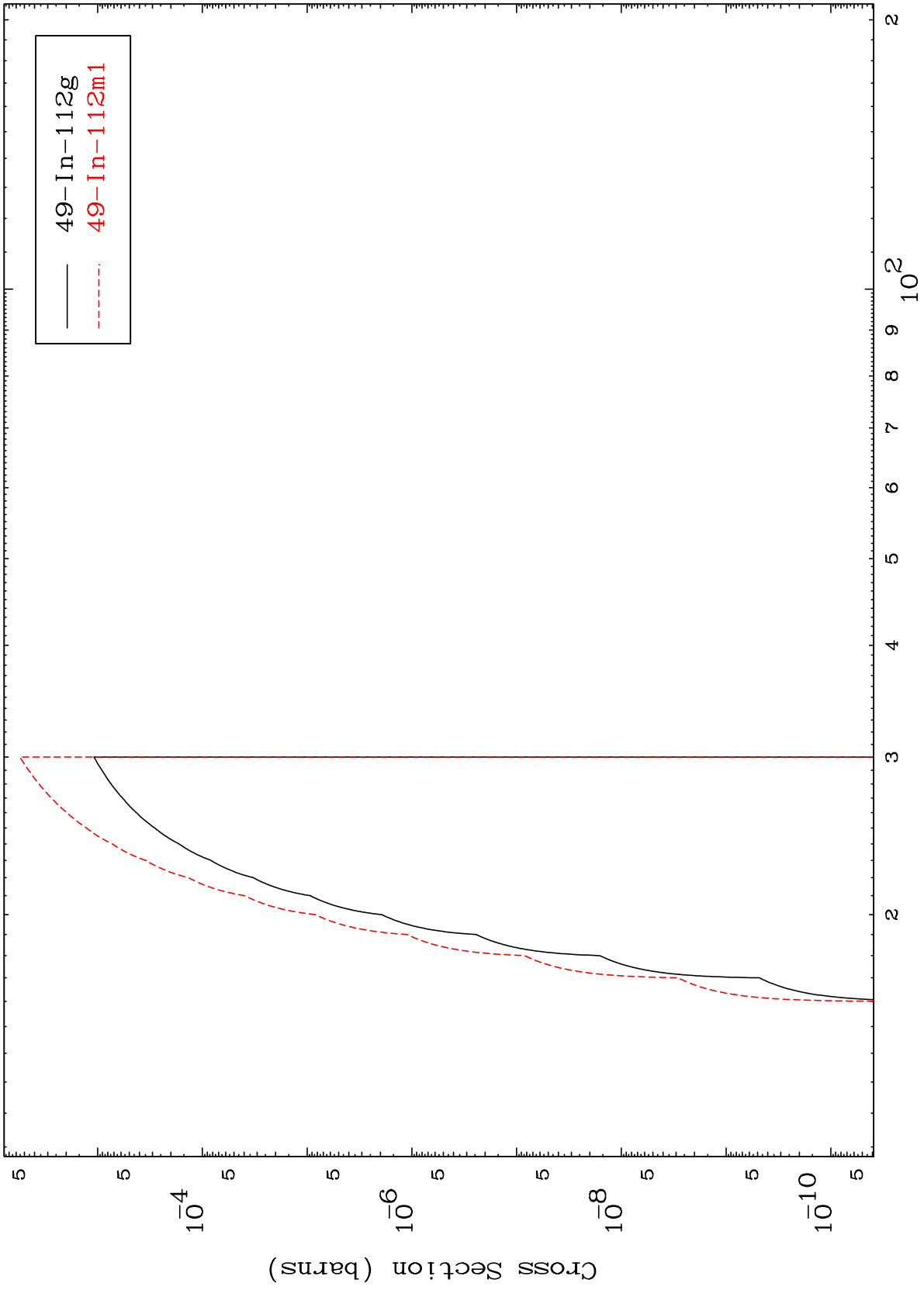
51-Sb-114

MAT 5104

(n,2n) p

51-Sb-114

Radionuclide Production Cross Section



129

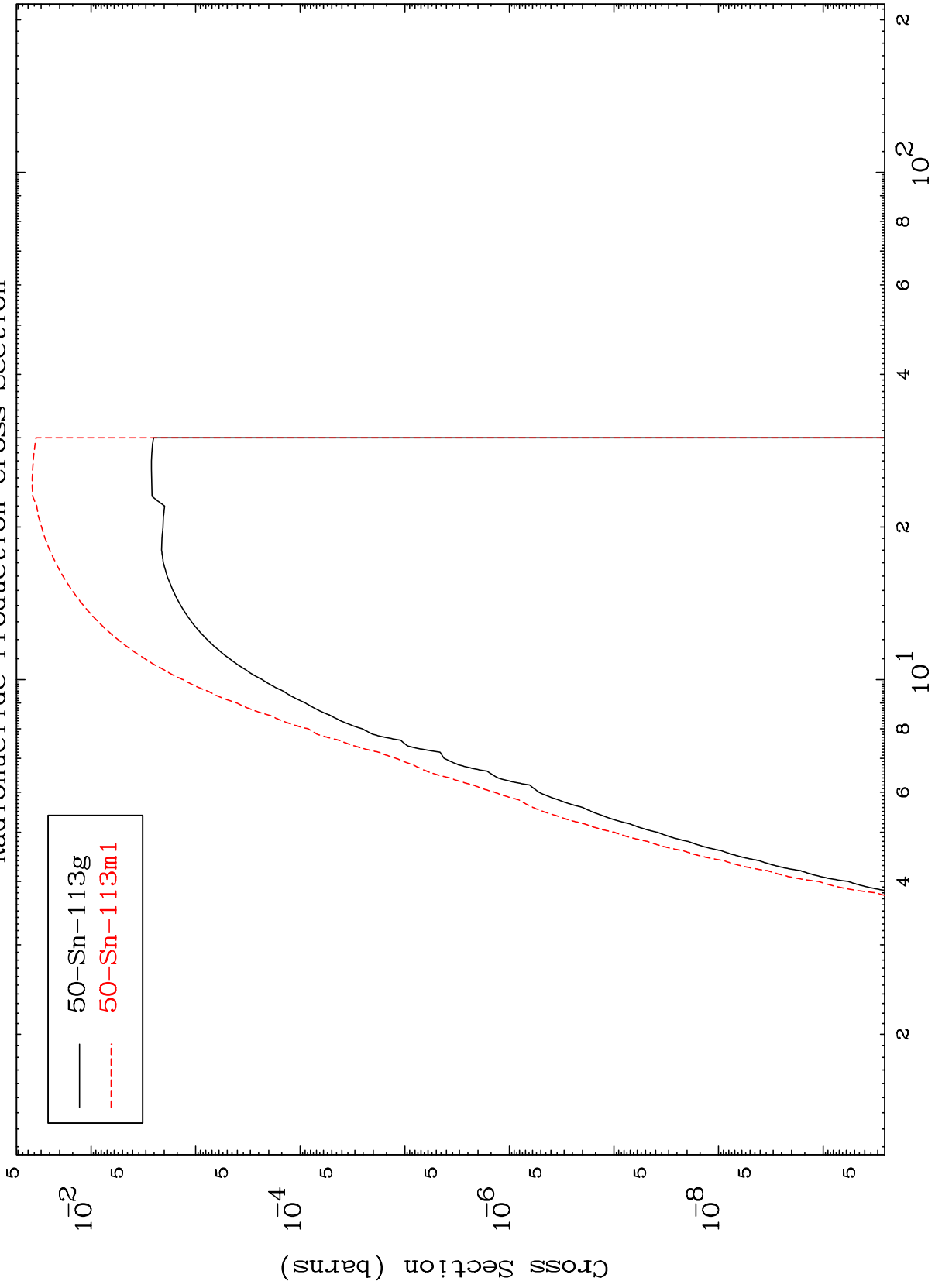
Incident Energy (MeV)

51-Sb-114

MAT 5104

(n,d)
Radionuclide Production Cross Section

51-Sb-114



130

Incident Energy (MeV)

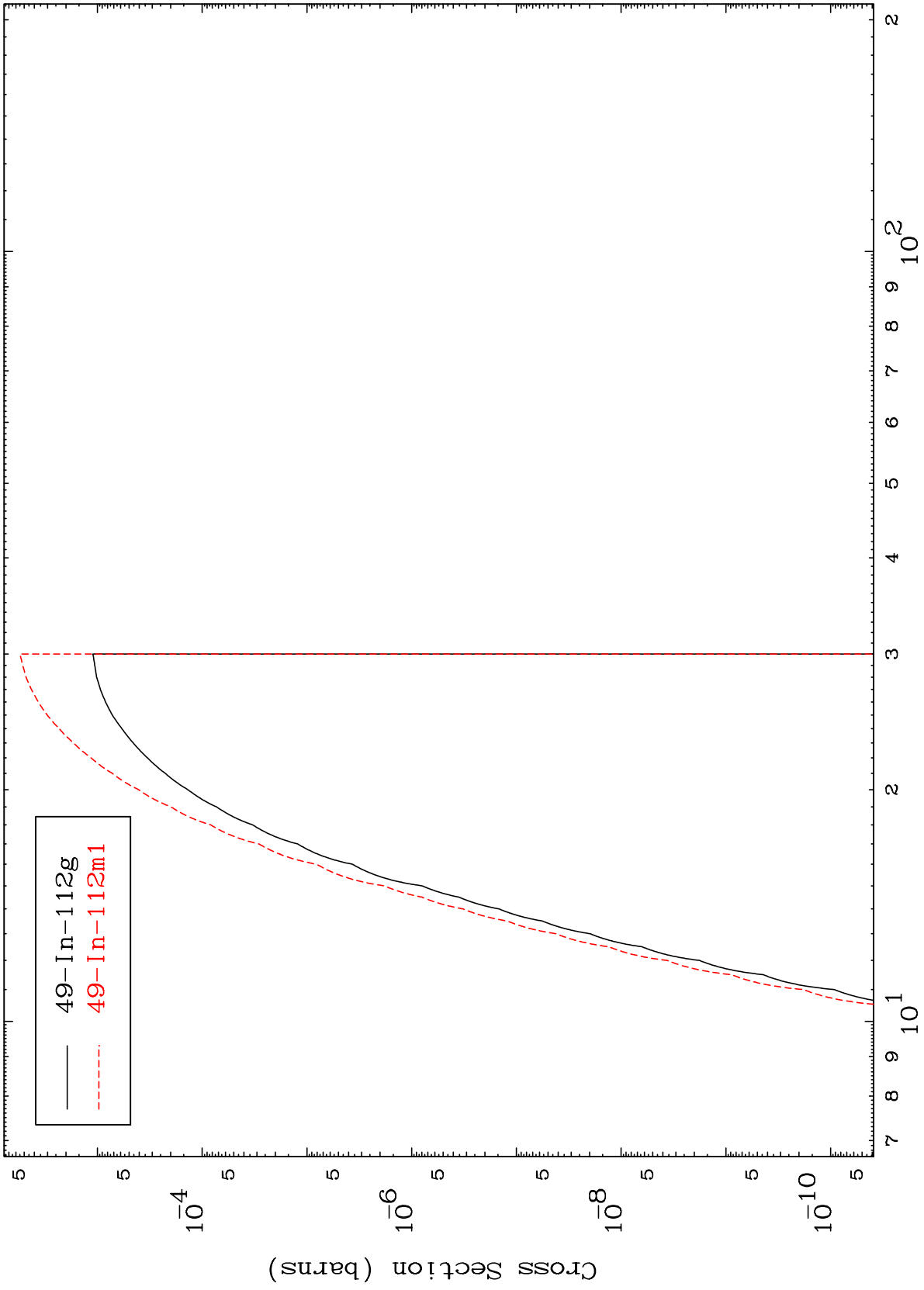
51-Sb-114

MAT 5104

(n,He-3)

51-Sb-114

Radionuclide Production Cross Section



131

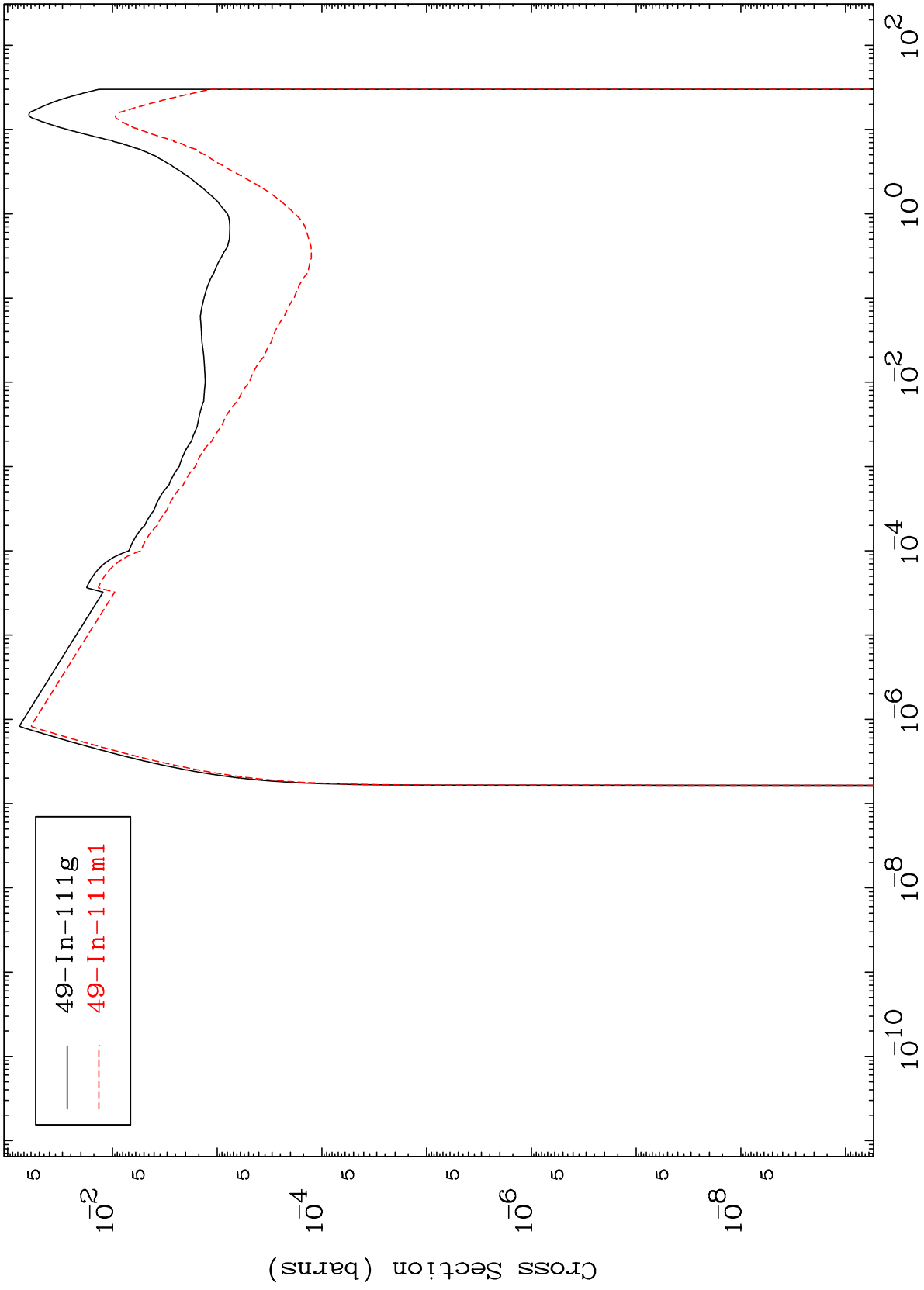
Incident Energy (MeV)

51-Sb-114

MAT 5104

51-Sb-114

Radionuclide Production Cross Section
(n, α)



132

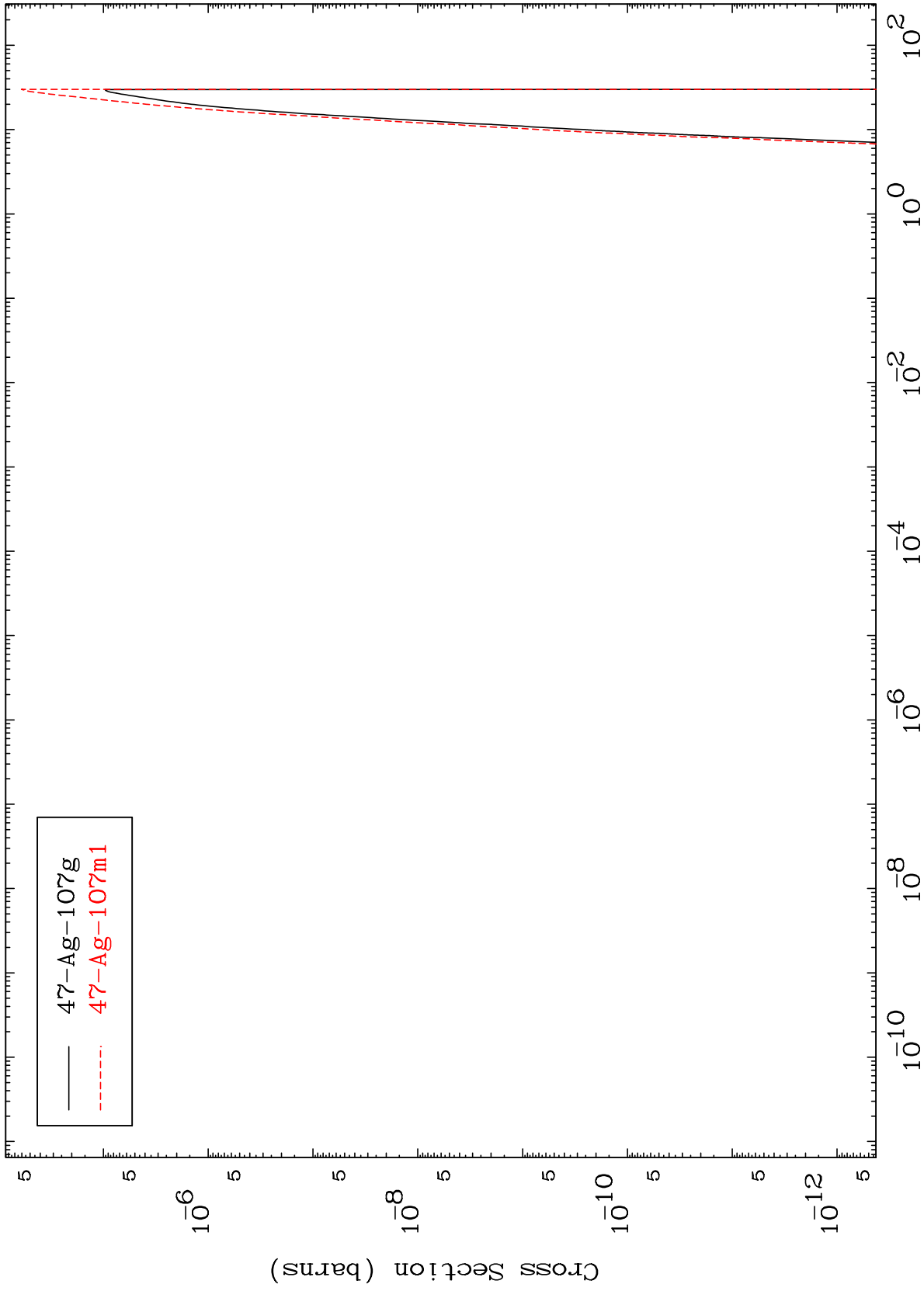
51-Sb-114

MAT 5104

(n,2α)

51-Sb-114

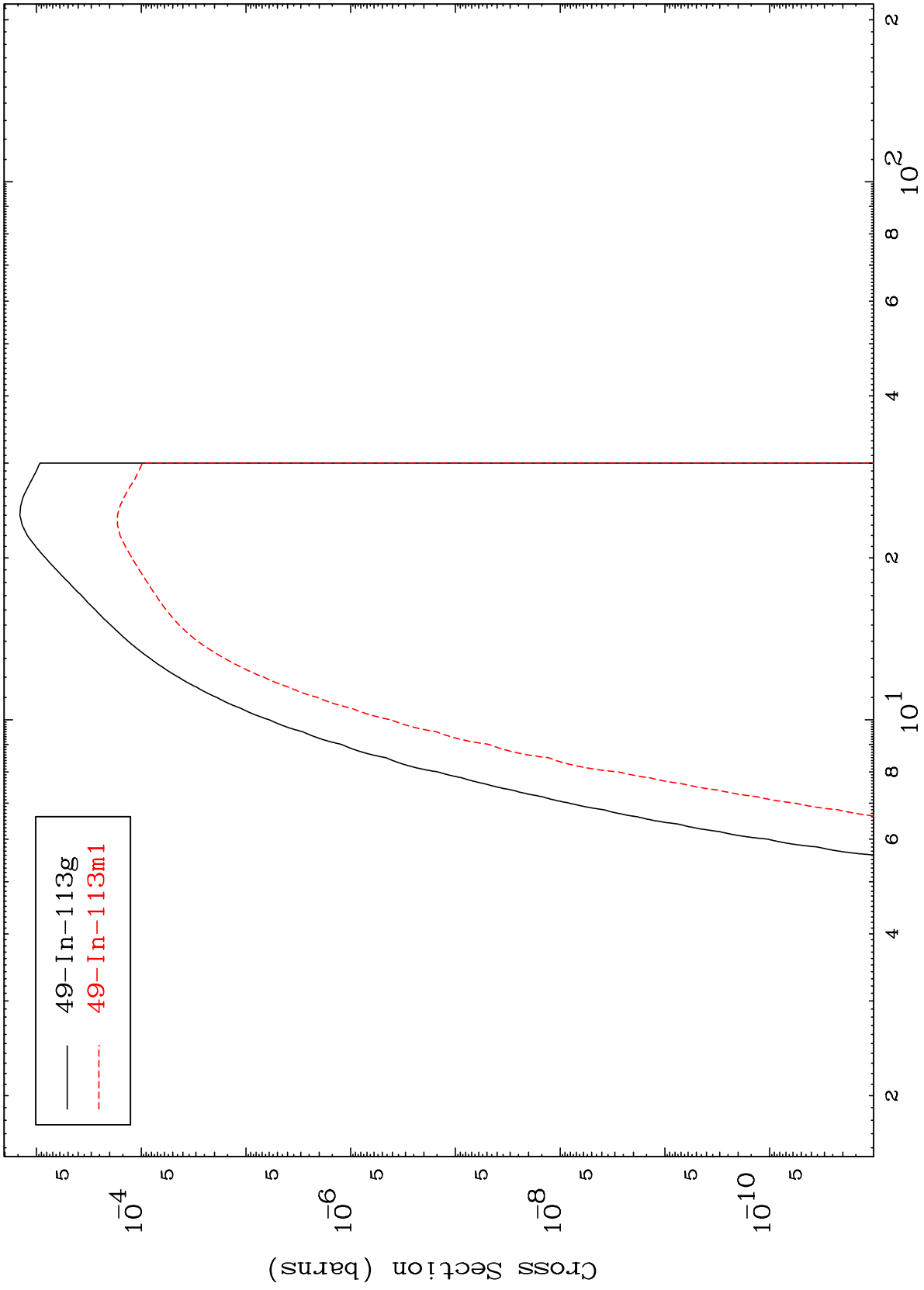
Radionuclide Production Cross Section



MAT 5104

51-Sb-114

(n,2p)
Radionuclide Production Cross Section



134

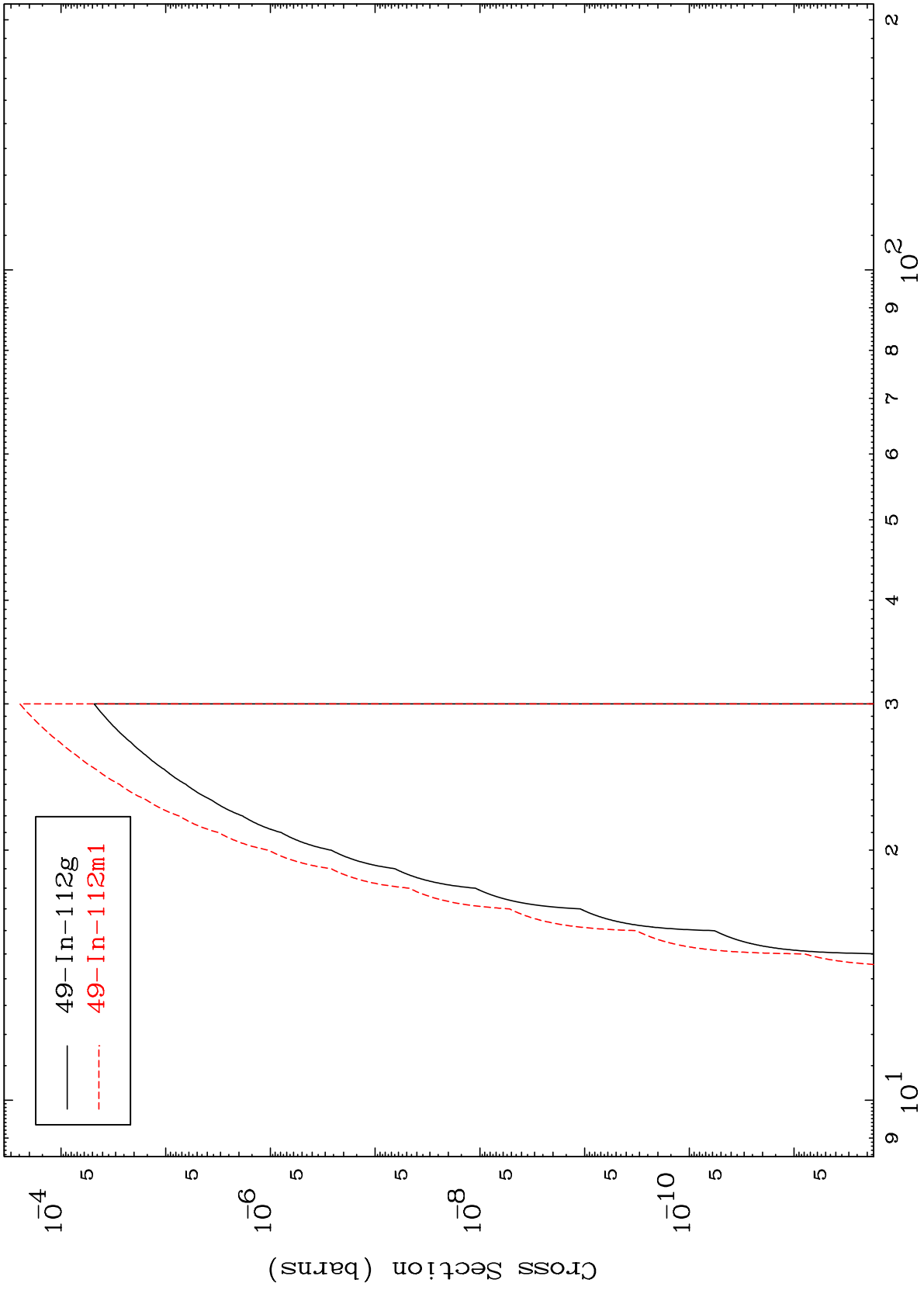
51-Sb-114

MAT 5104

(n,p) d

51-Sb-114

Radionuclide Production Cross Section



135

Incident Energy (MeV)

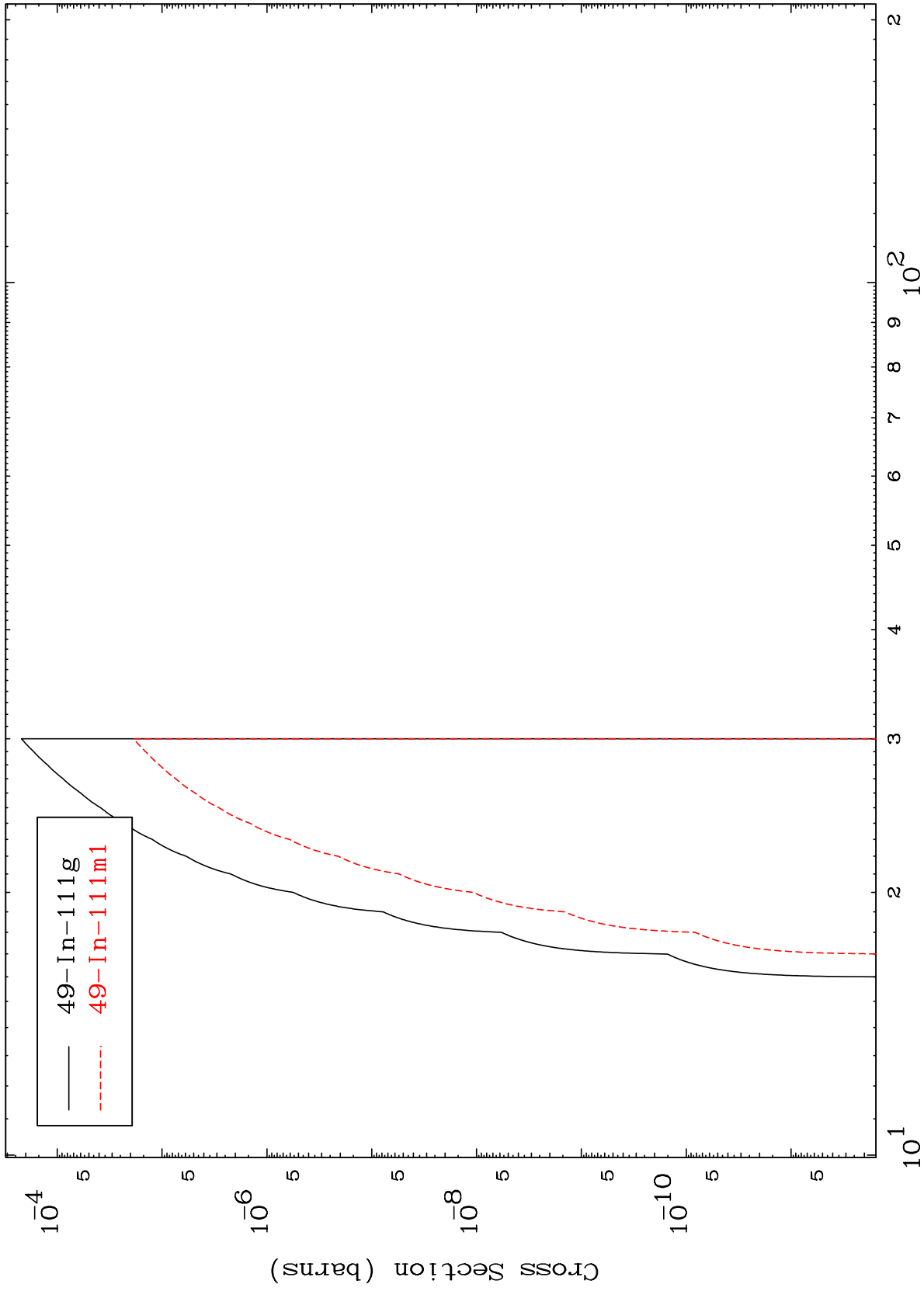
51-Sb-114

MAT 5104

(n,p) t

51-Sb-114

Radionuclide Production Cross Section



136

51-Sb-114