

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

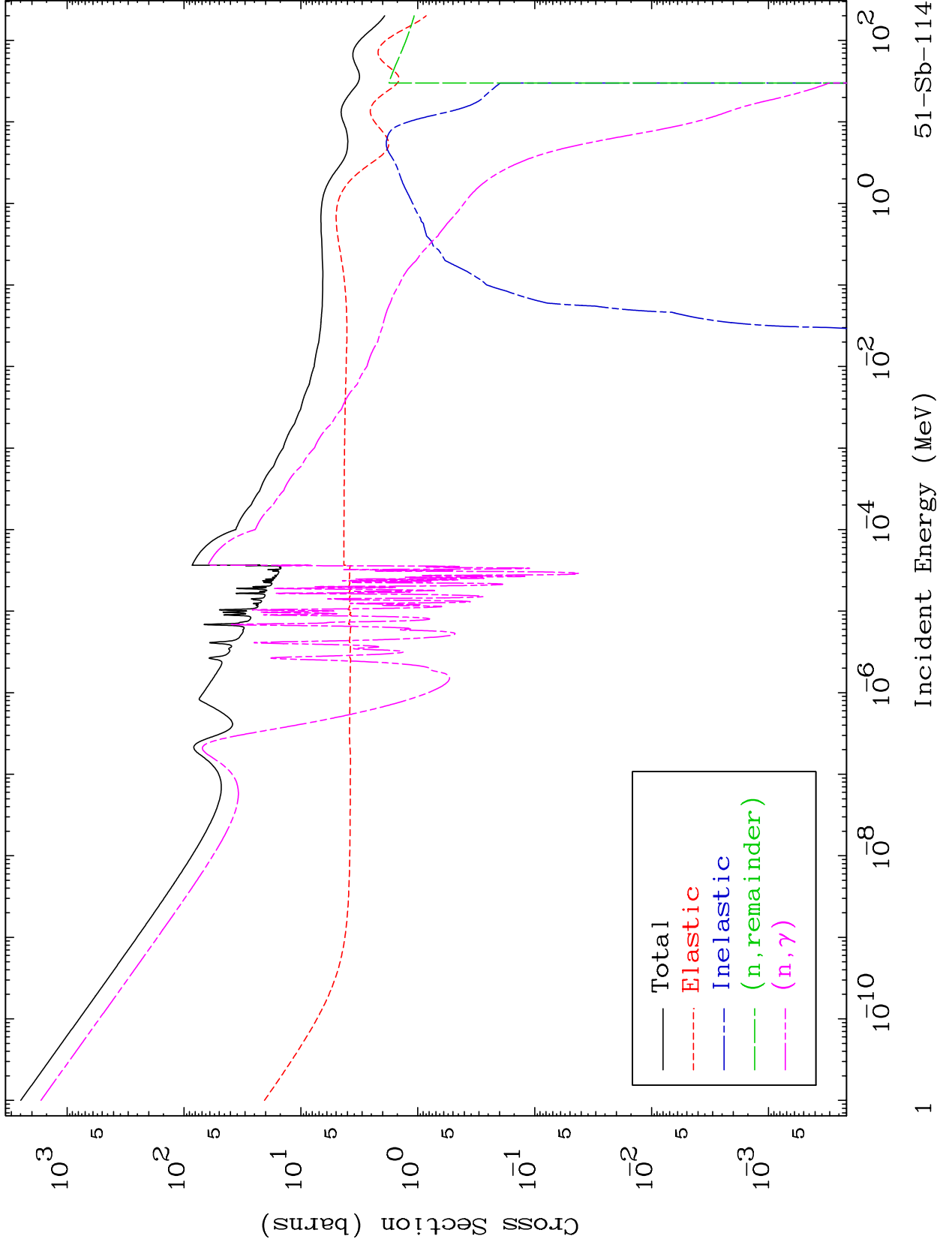
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5104

Major
293 Kelvin Cross Sections

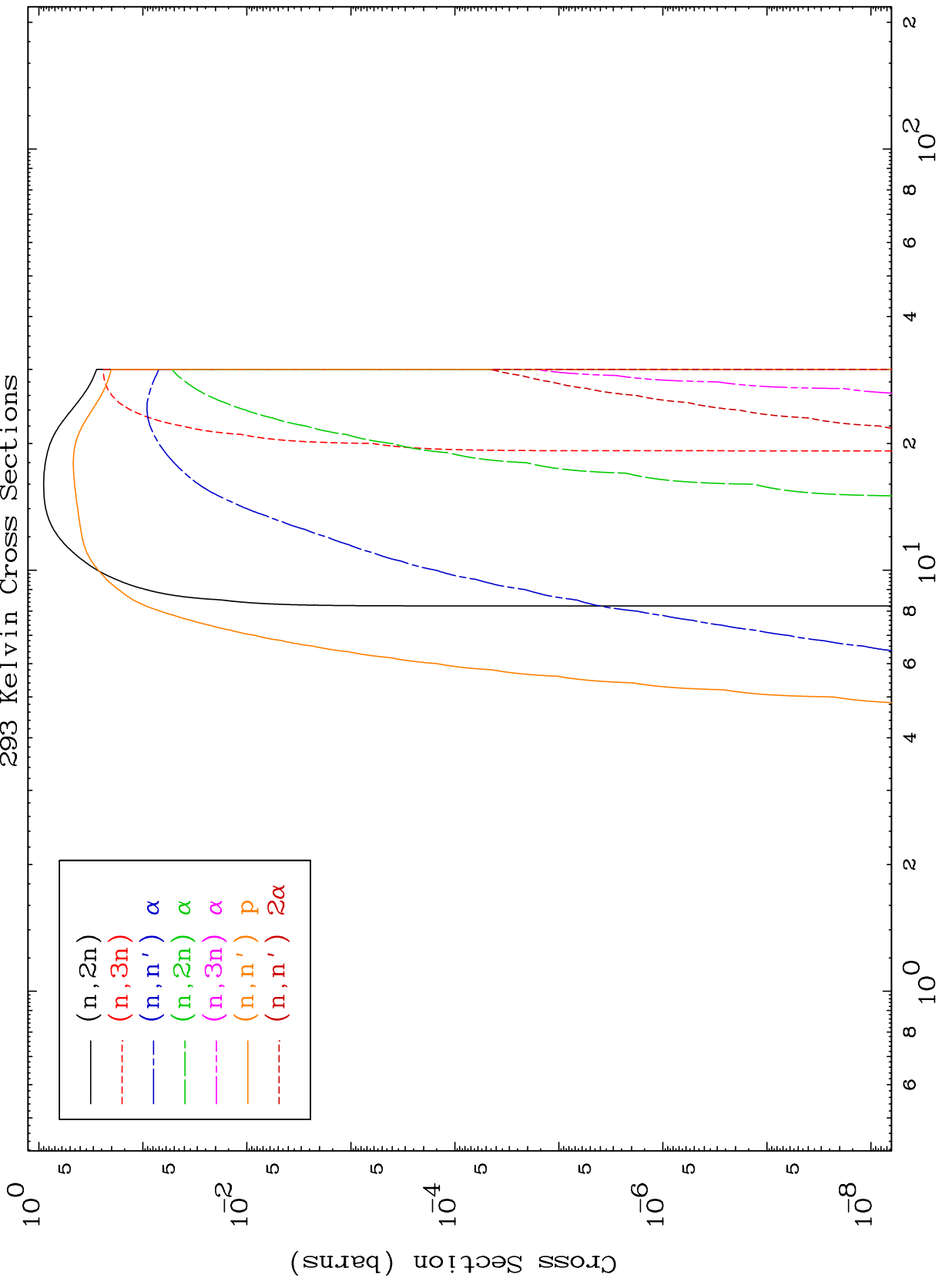
51-Sb-114

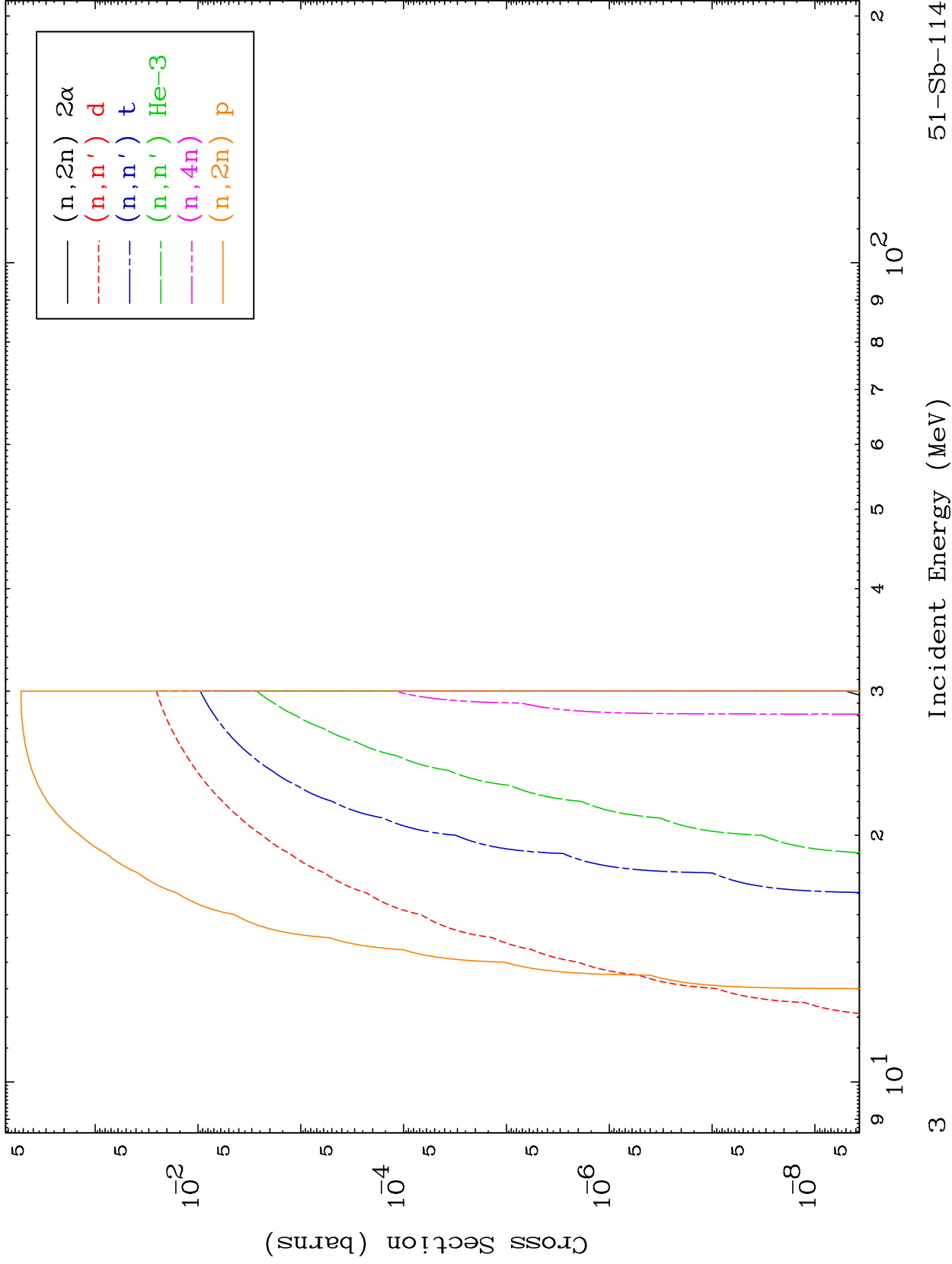


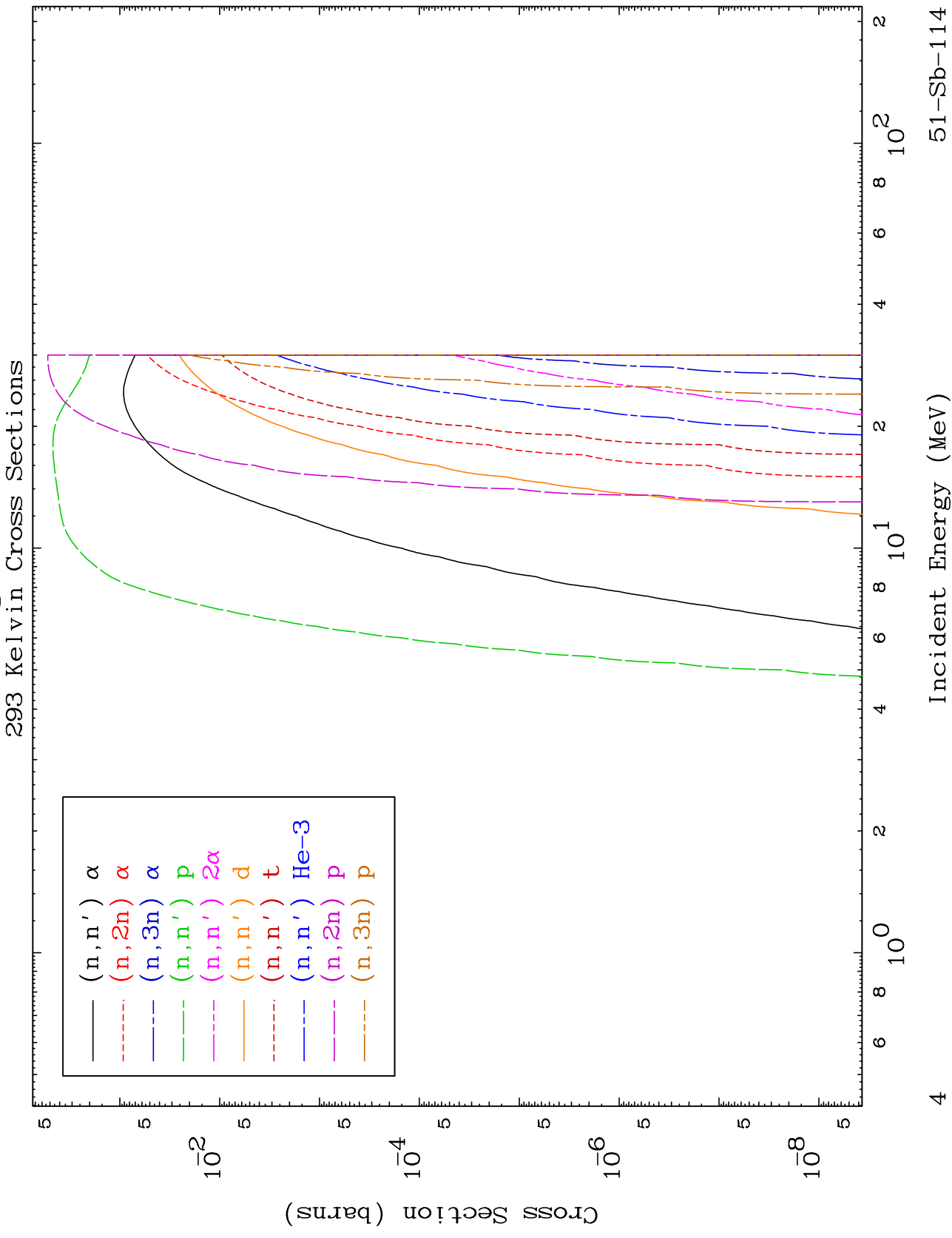
MAT 5104

Neutron Production
293 Kelvin Cross Sections

51-Sb-114



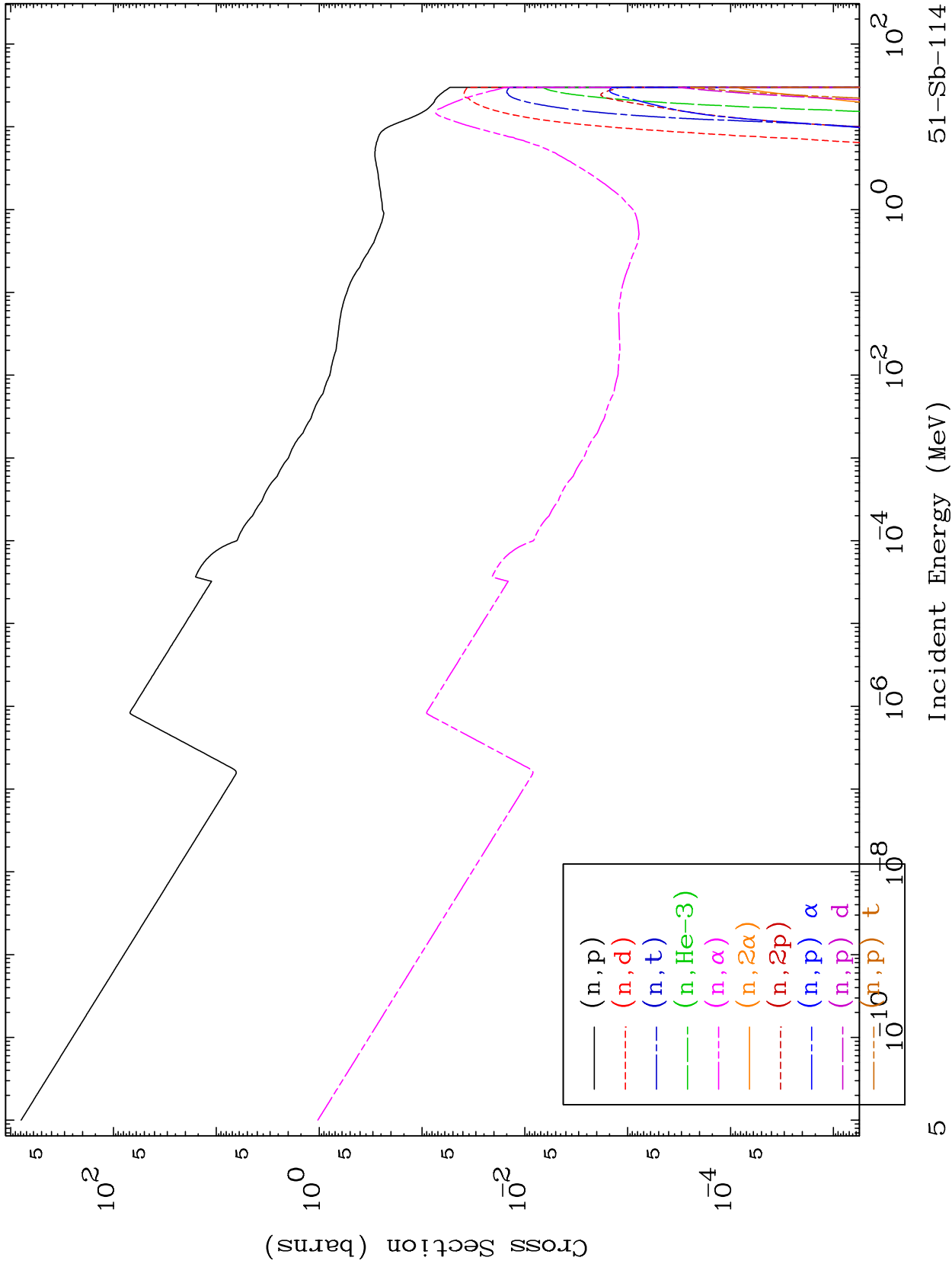




MAT 5104

Charged Particle
293 Kelvin Cross Sections

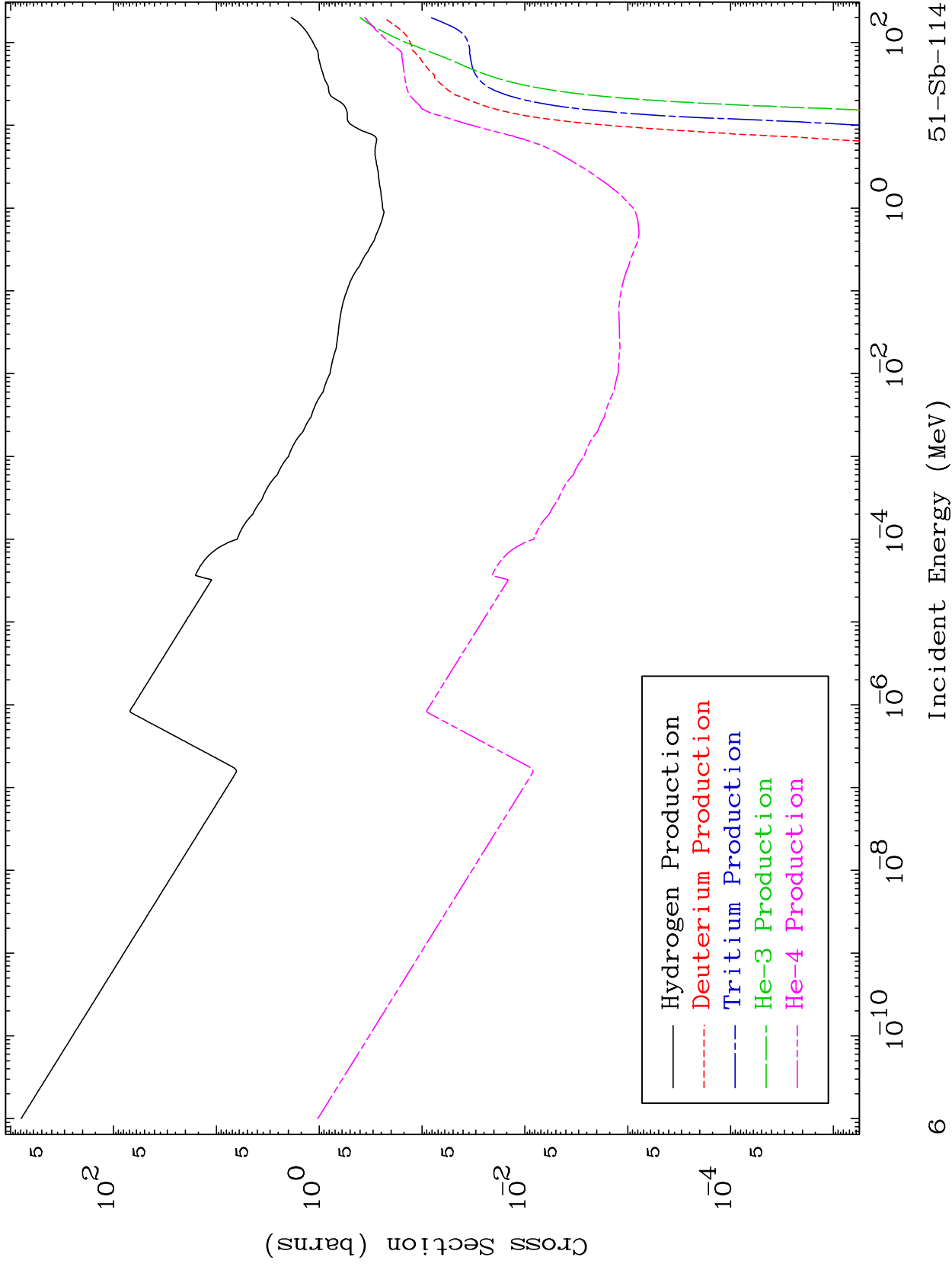
51-Sb-114

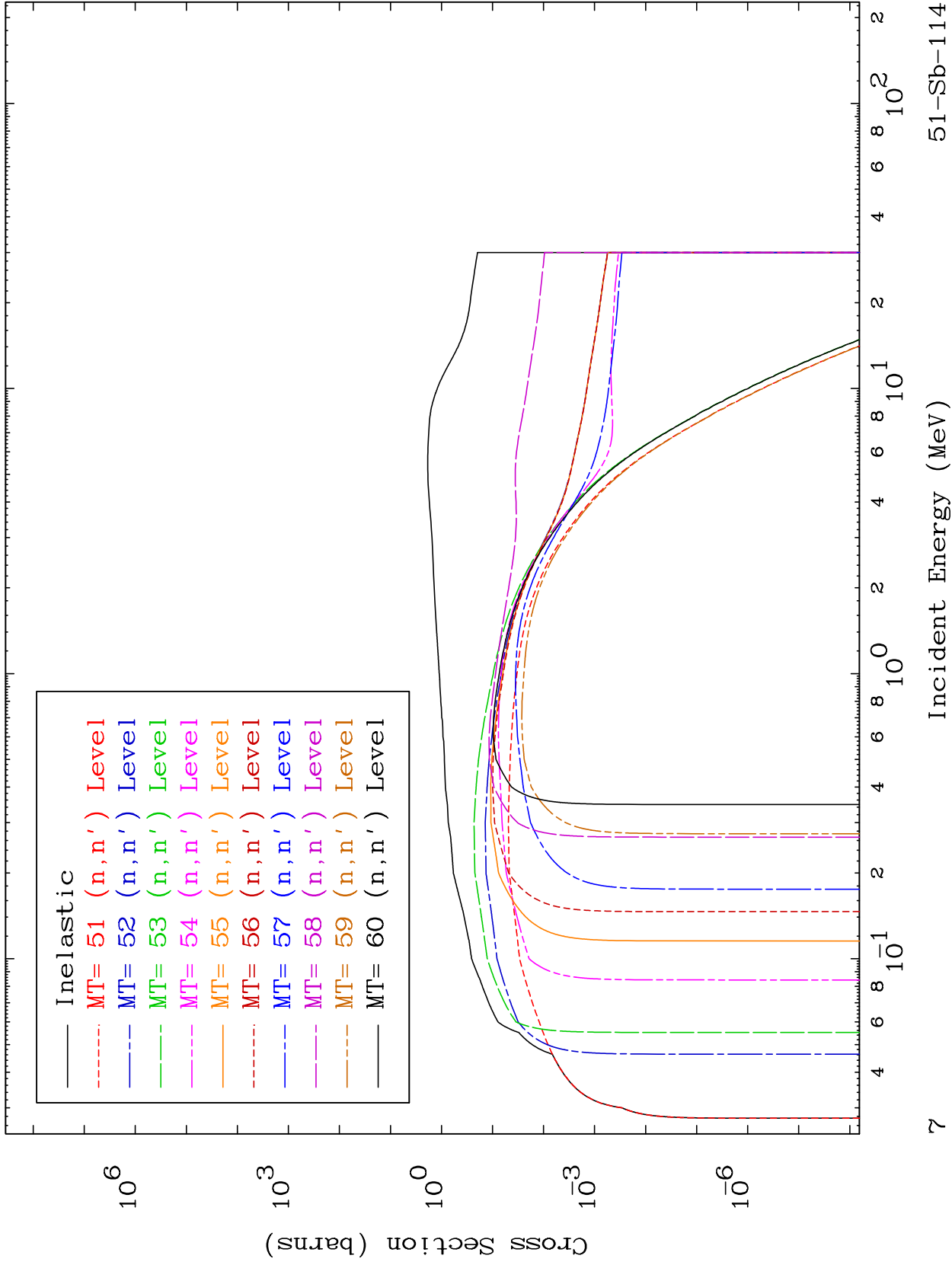


MAT 5104

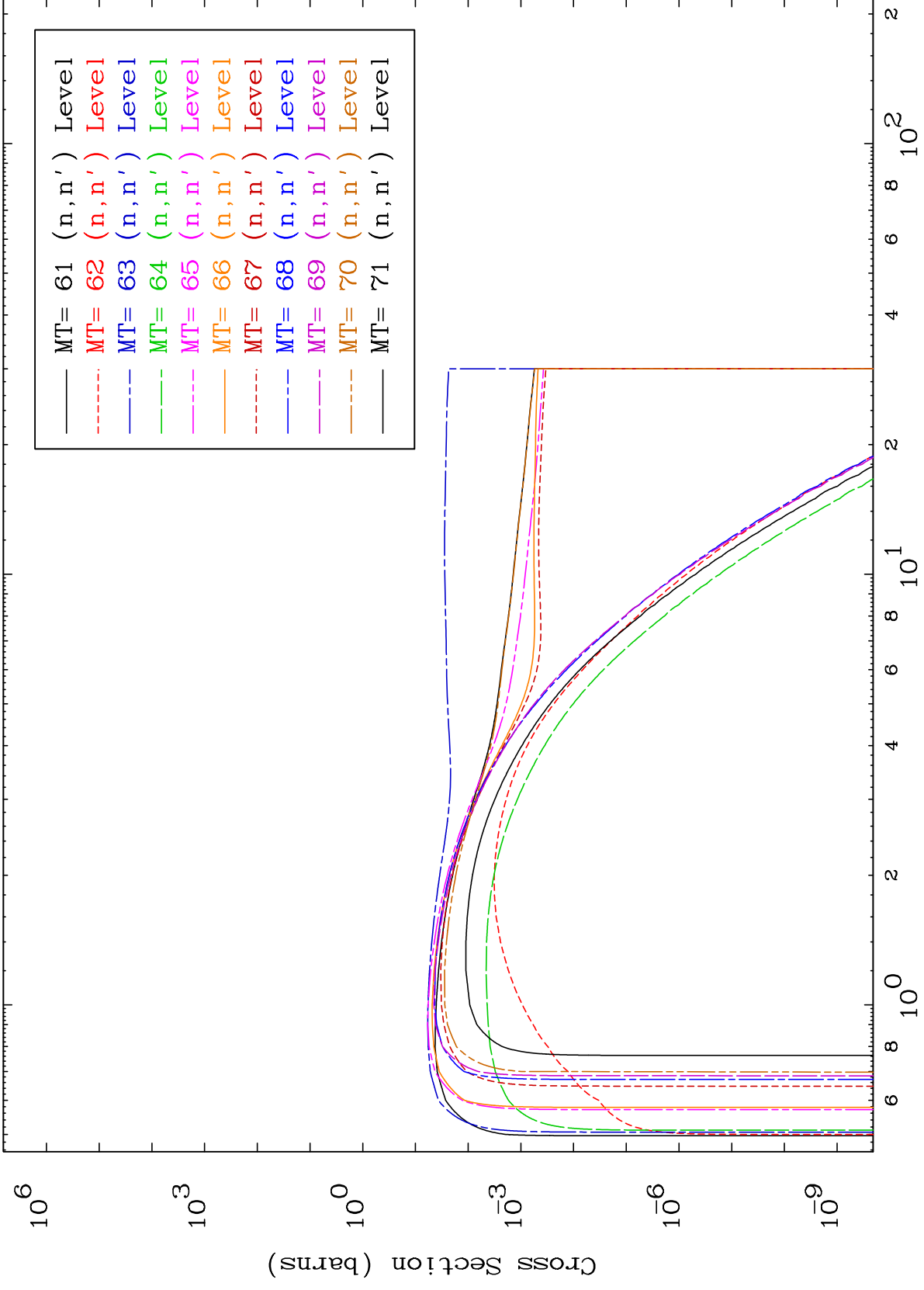
Particle Production
293 Kelvin Cross Sections

51-Sb-114

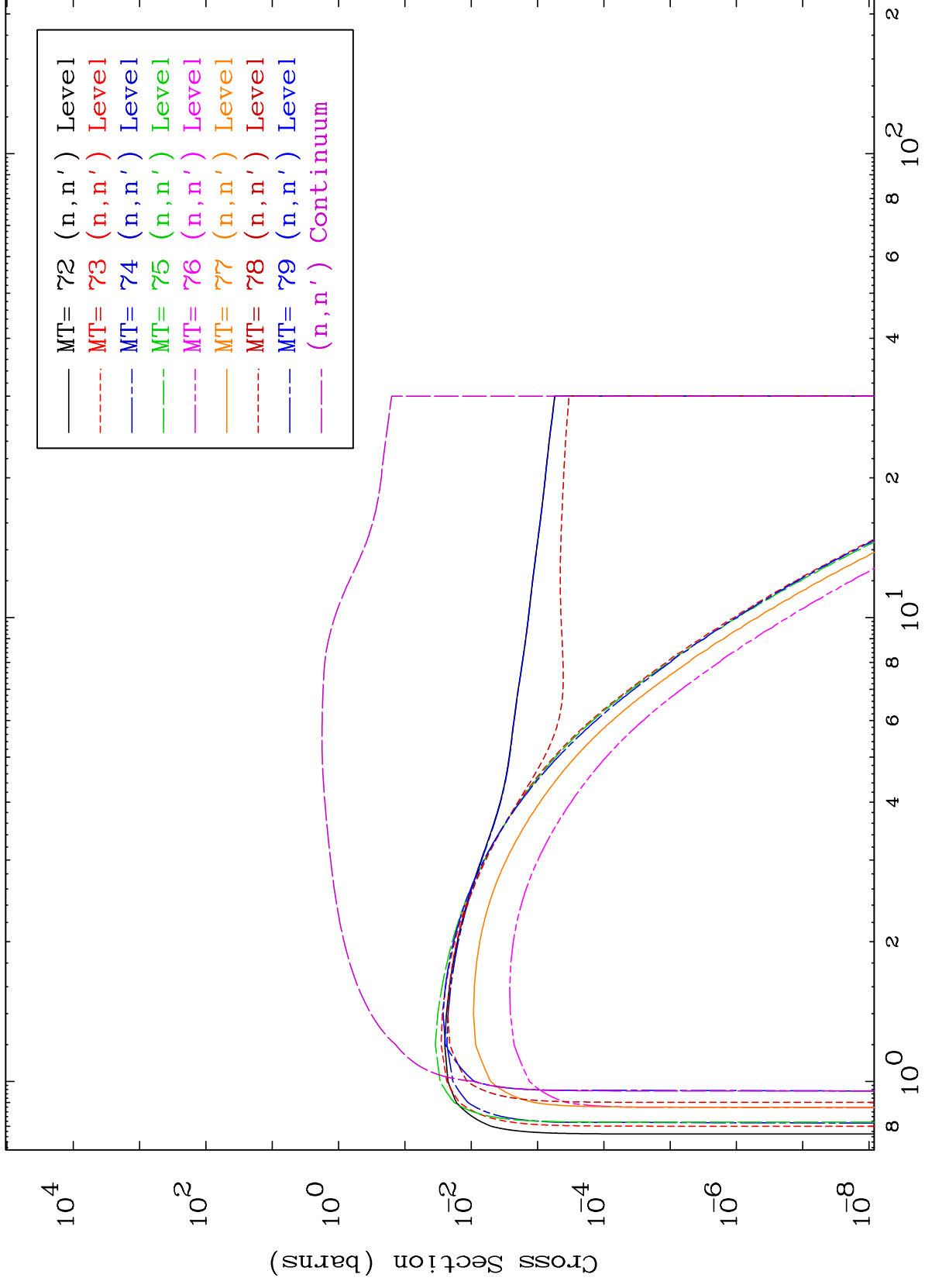




293 Kelvin Cross Sections



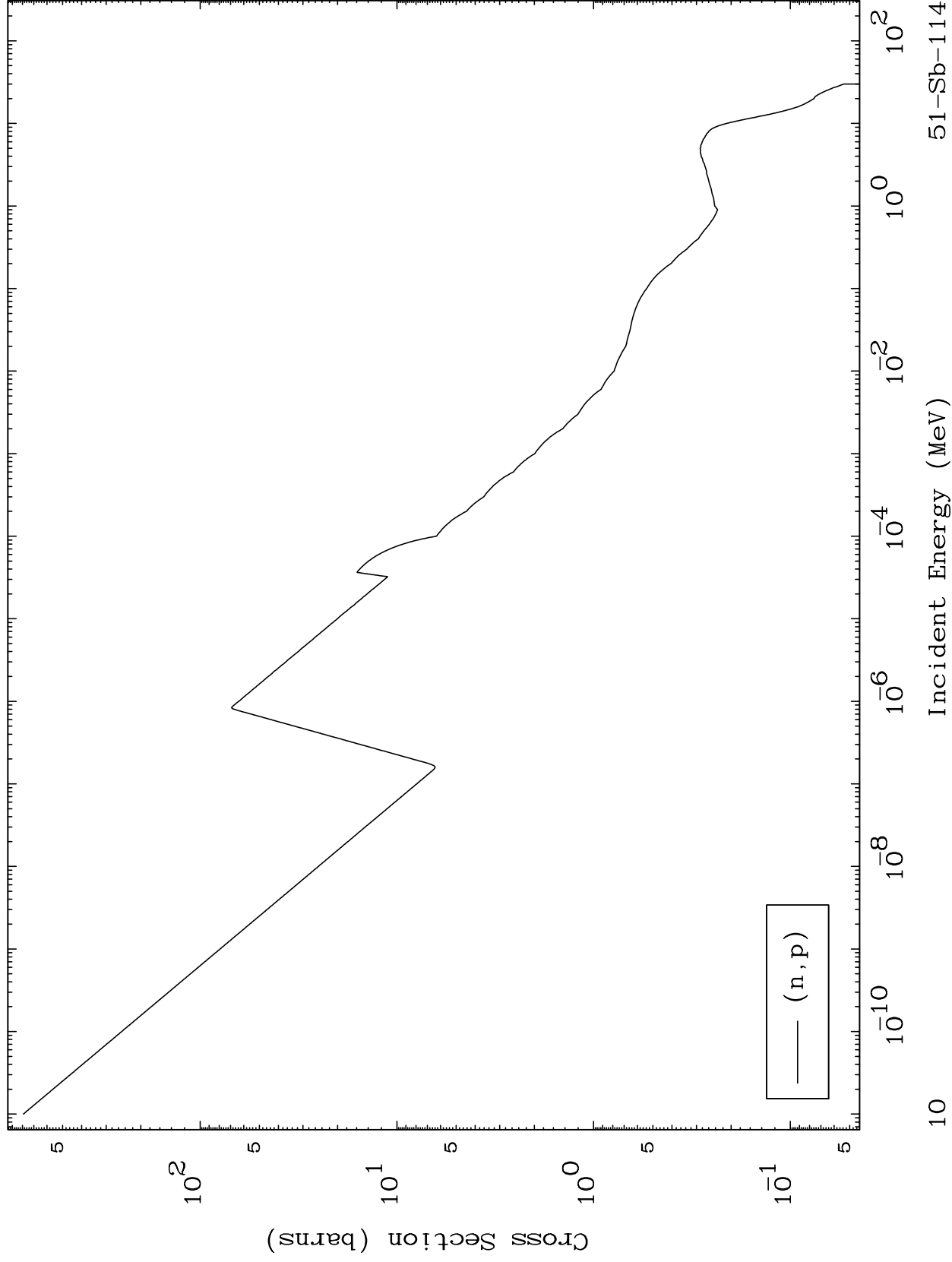
293 Kelvin Cross Sections



MAT 5104

(n,p) Levels
293 Kelvin Cross Sections

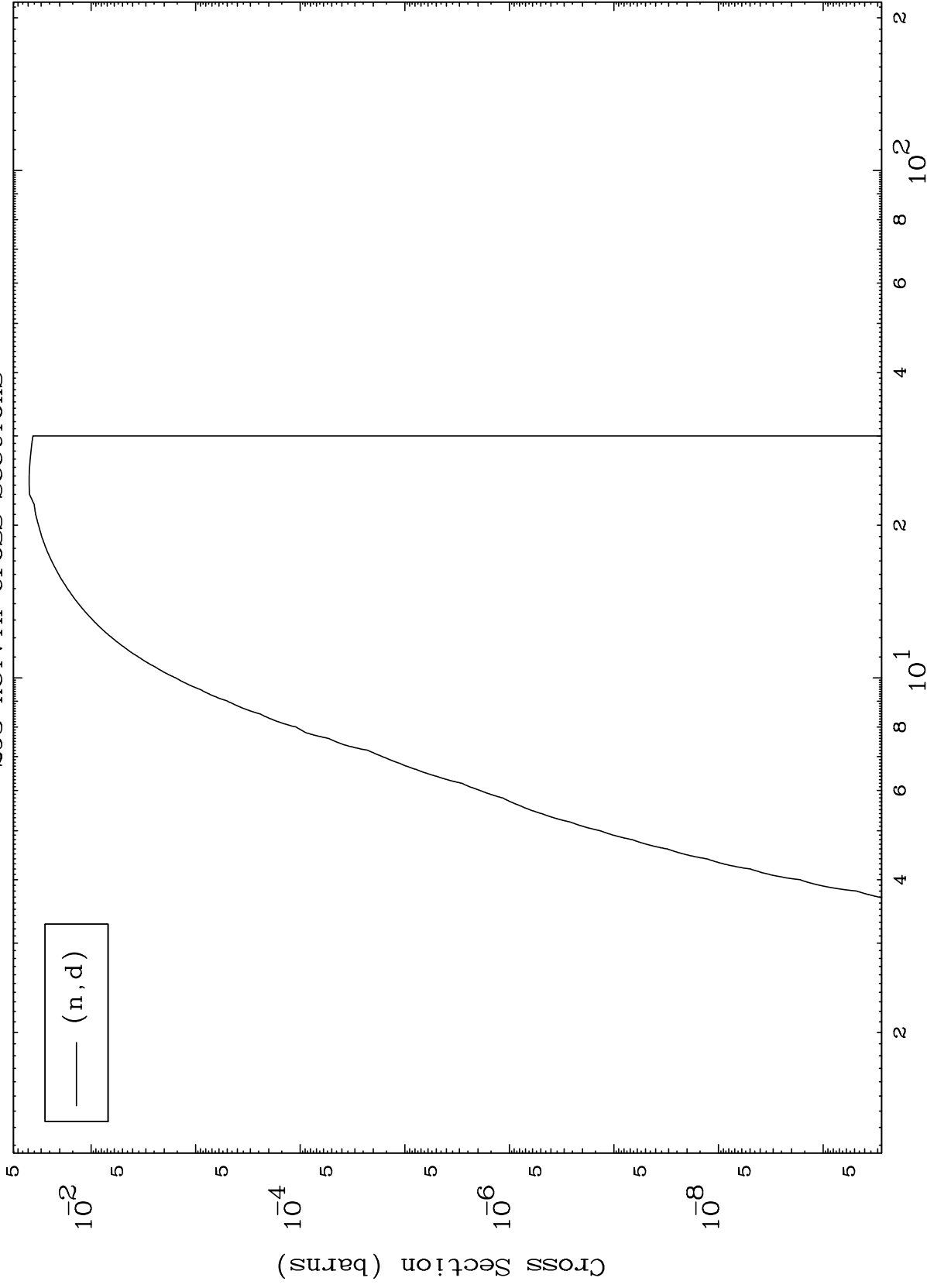
51-Sb-114



MAT 5104

(n,d) Levels
293 Kelvin Cross Sections

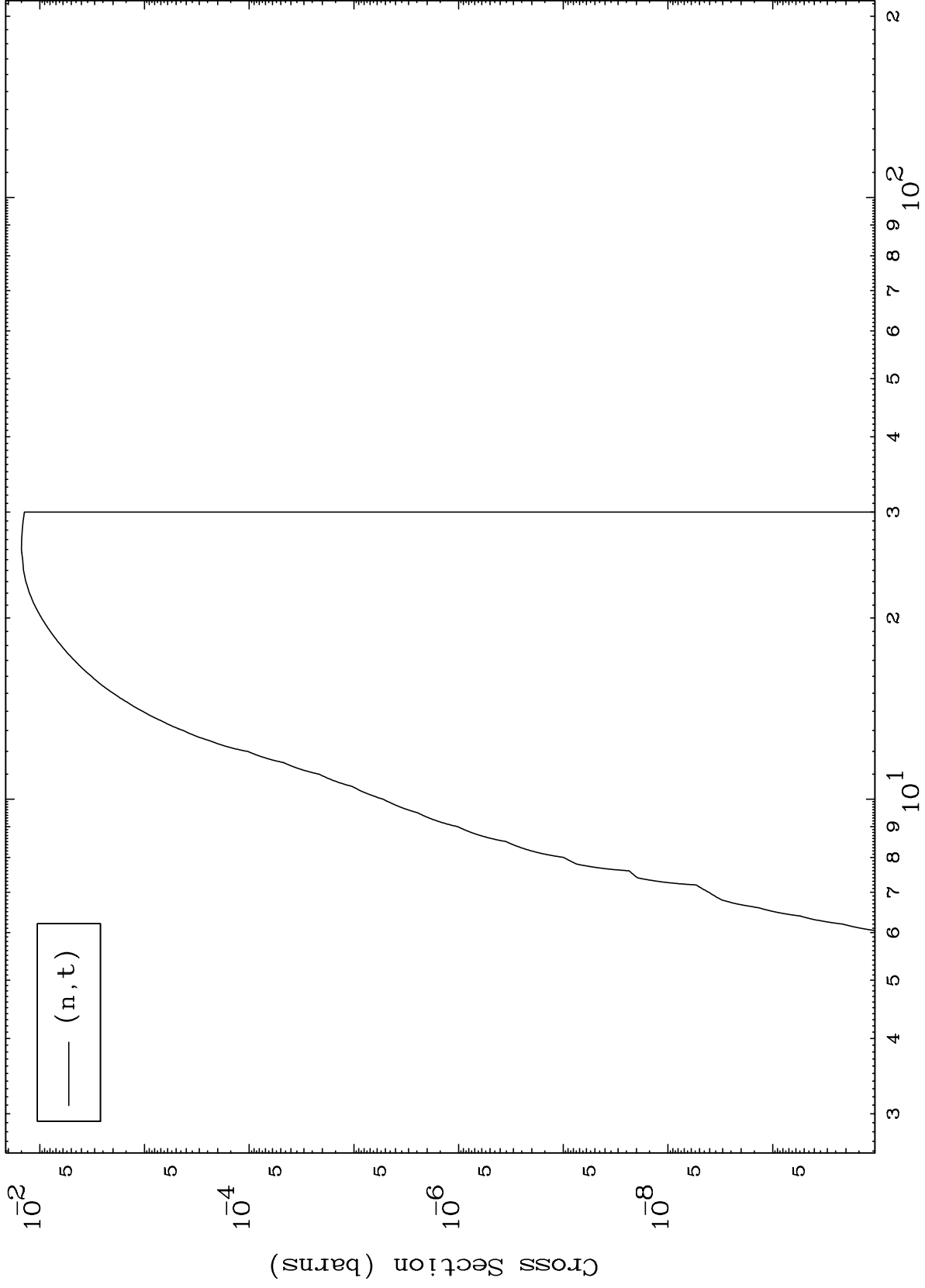
51-Sb-114



MAT 5104

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-114



12

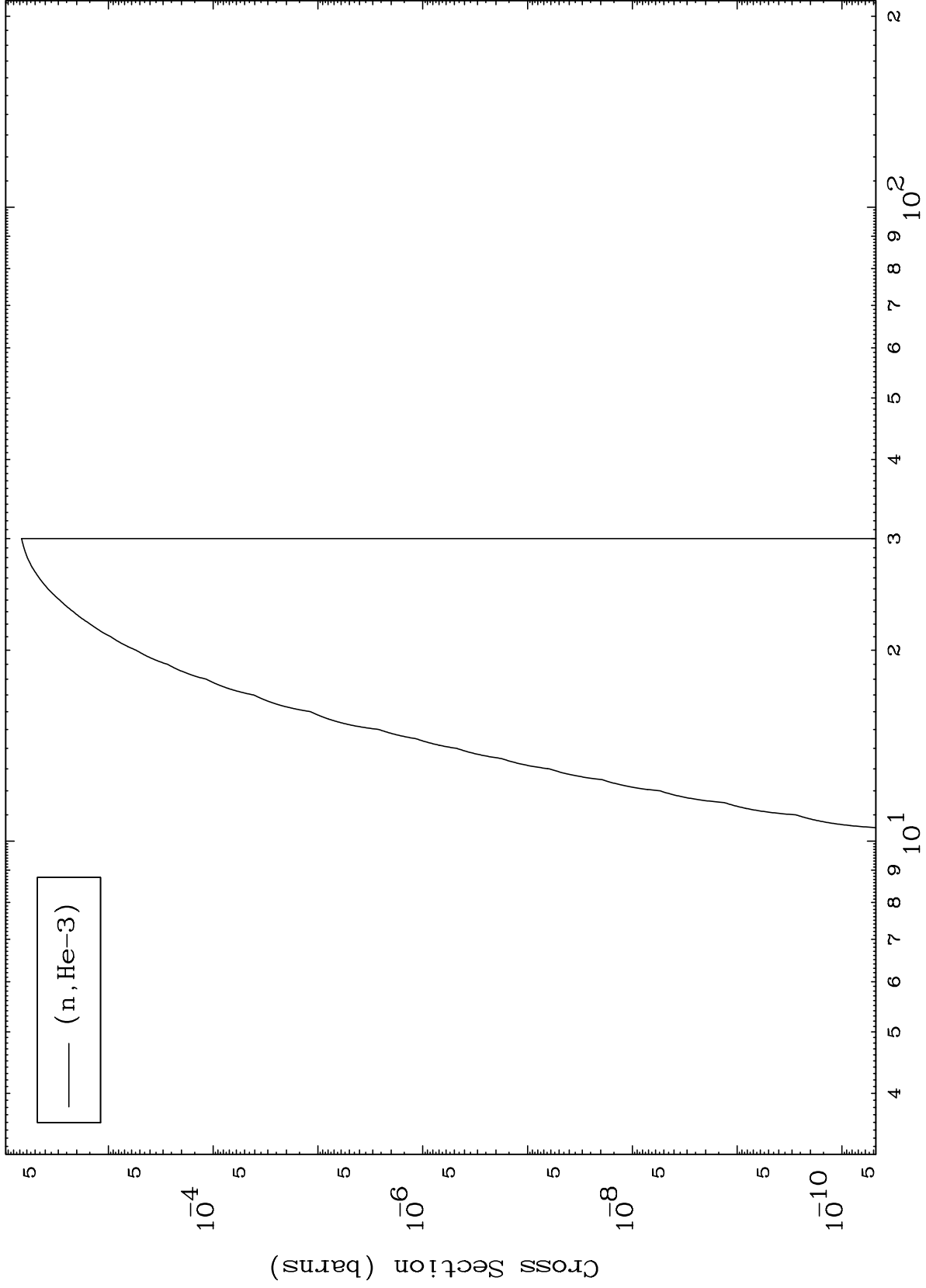
Incident Energy (MeV)

51-Sb-114

MAT 5104

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-114



13

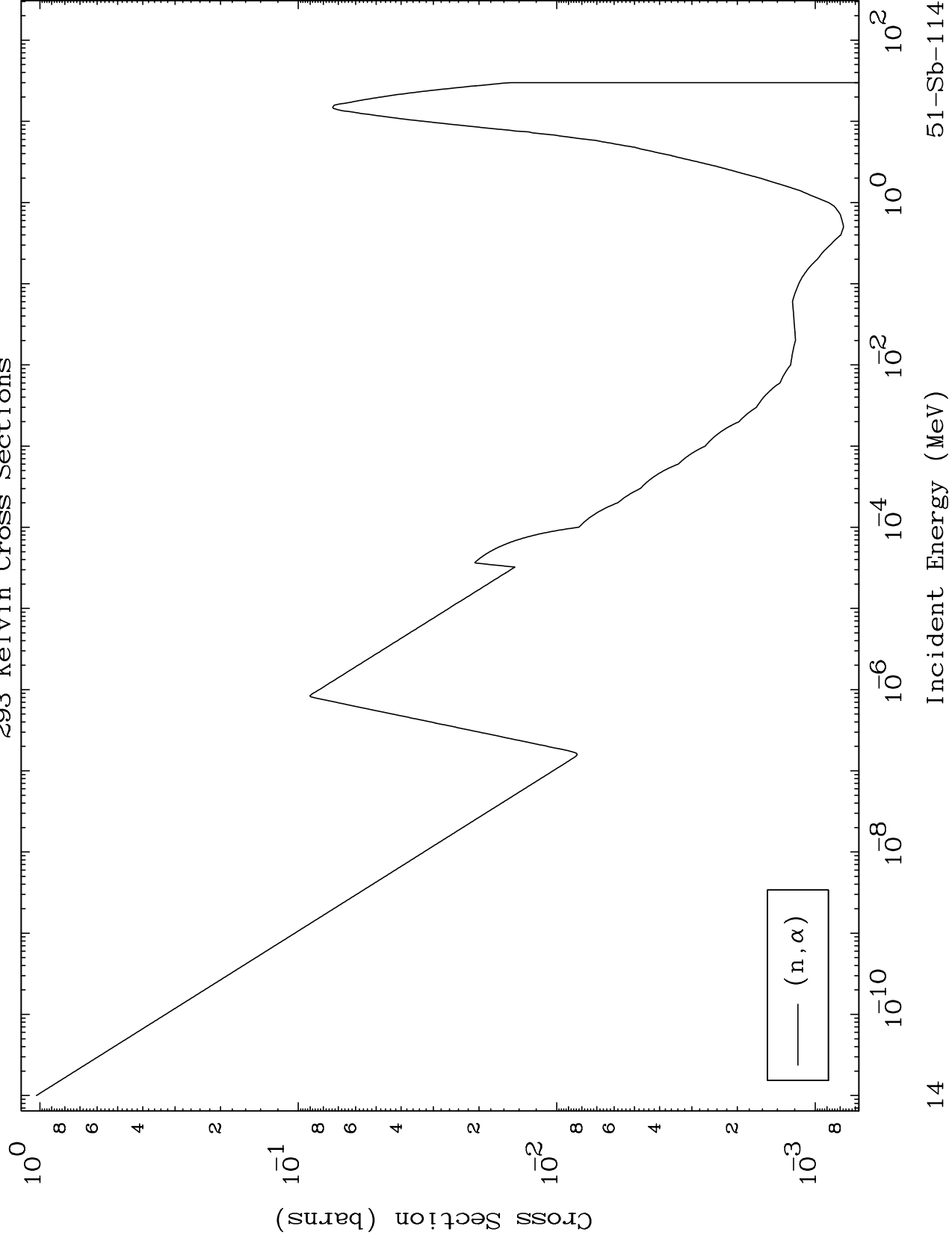
Incident Energy (MeV)

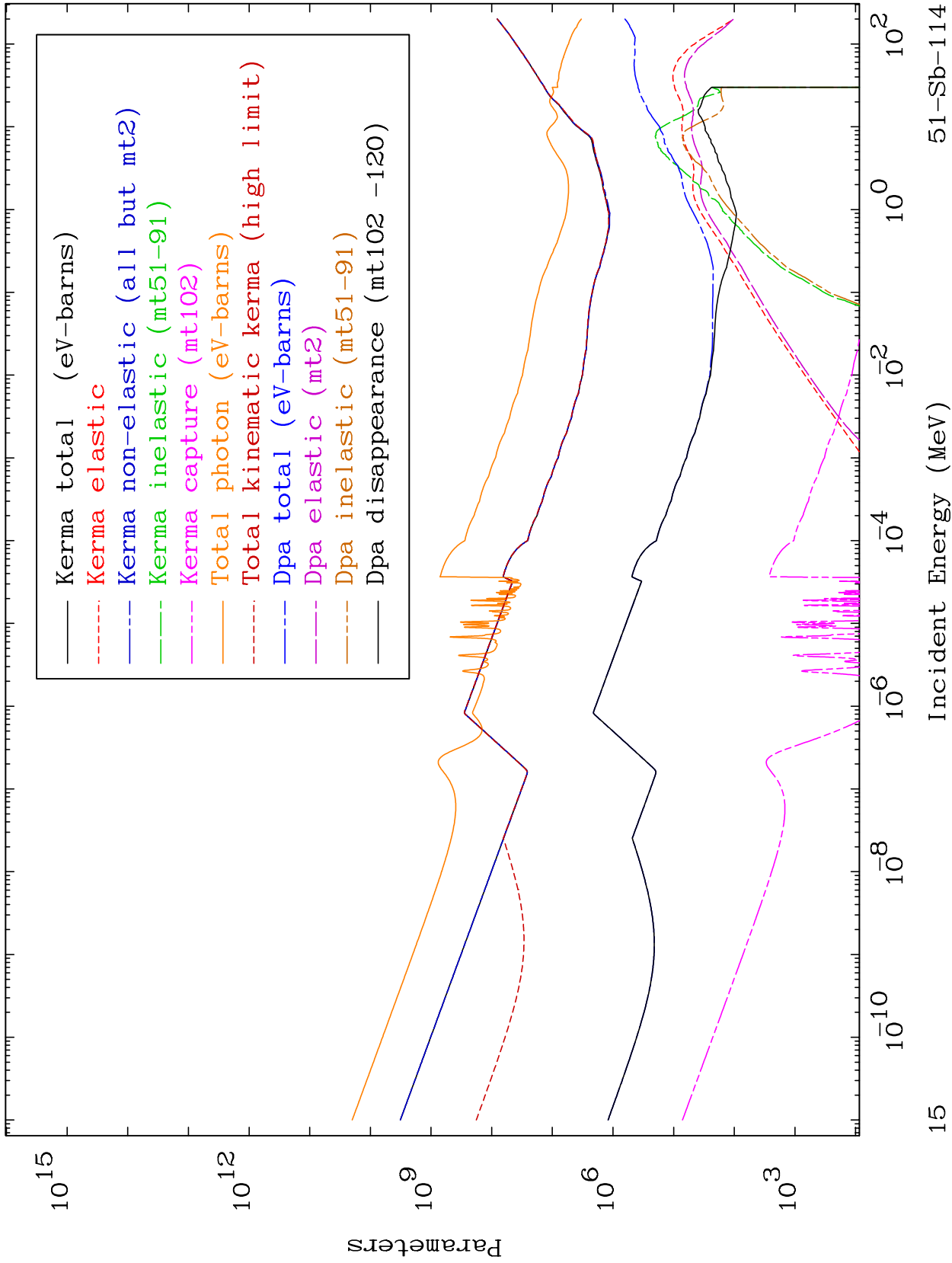
51-Sb-114

MAT 5104

(n,α) Levels
293 Kelvin Cross Sections

51-Sb-114

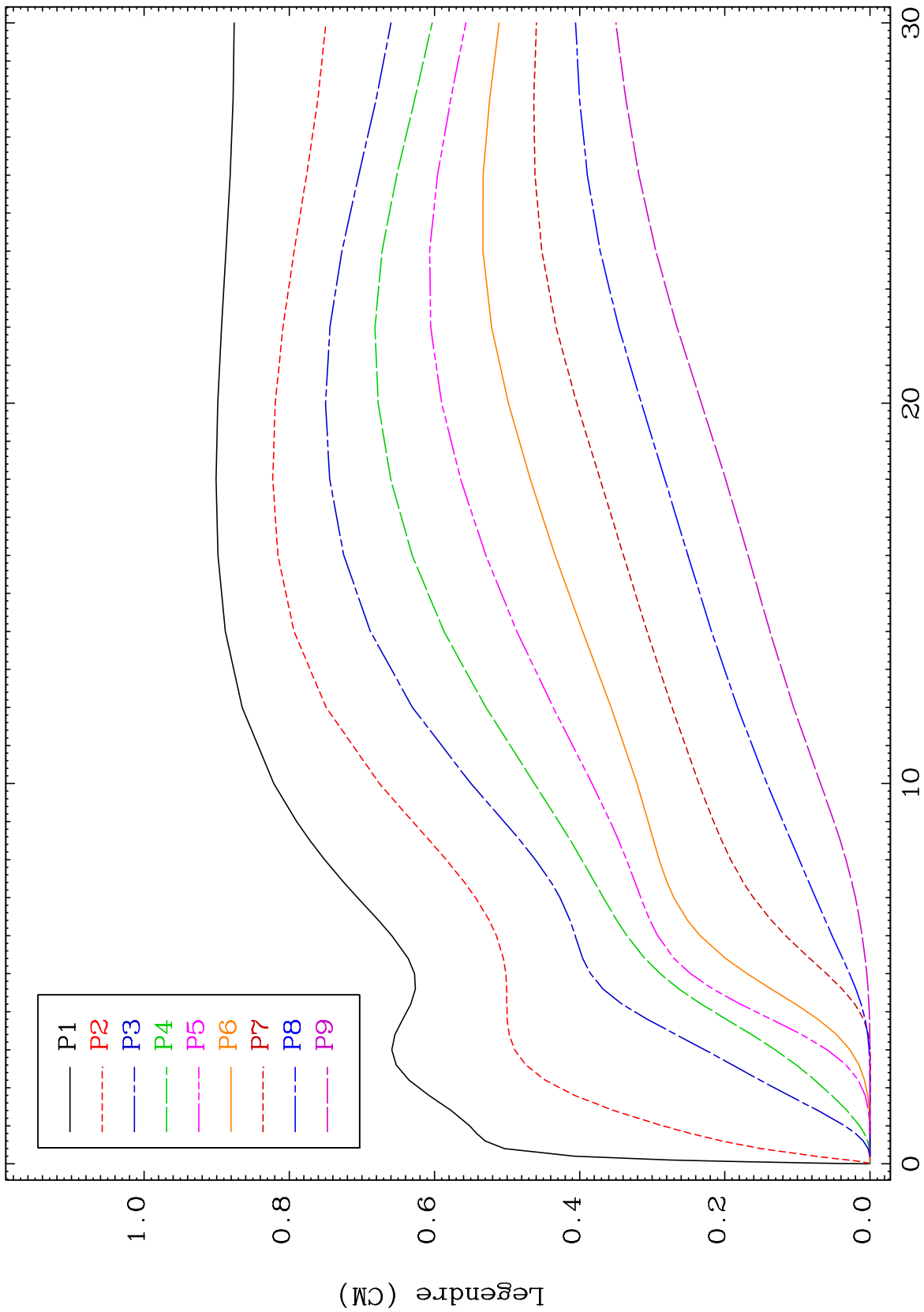




MAT 5104

Elastic Legendre Coefficients

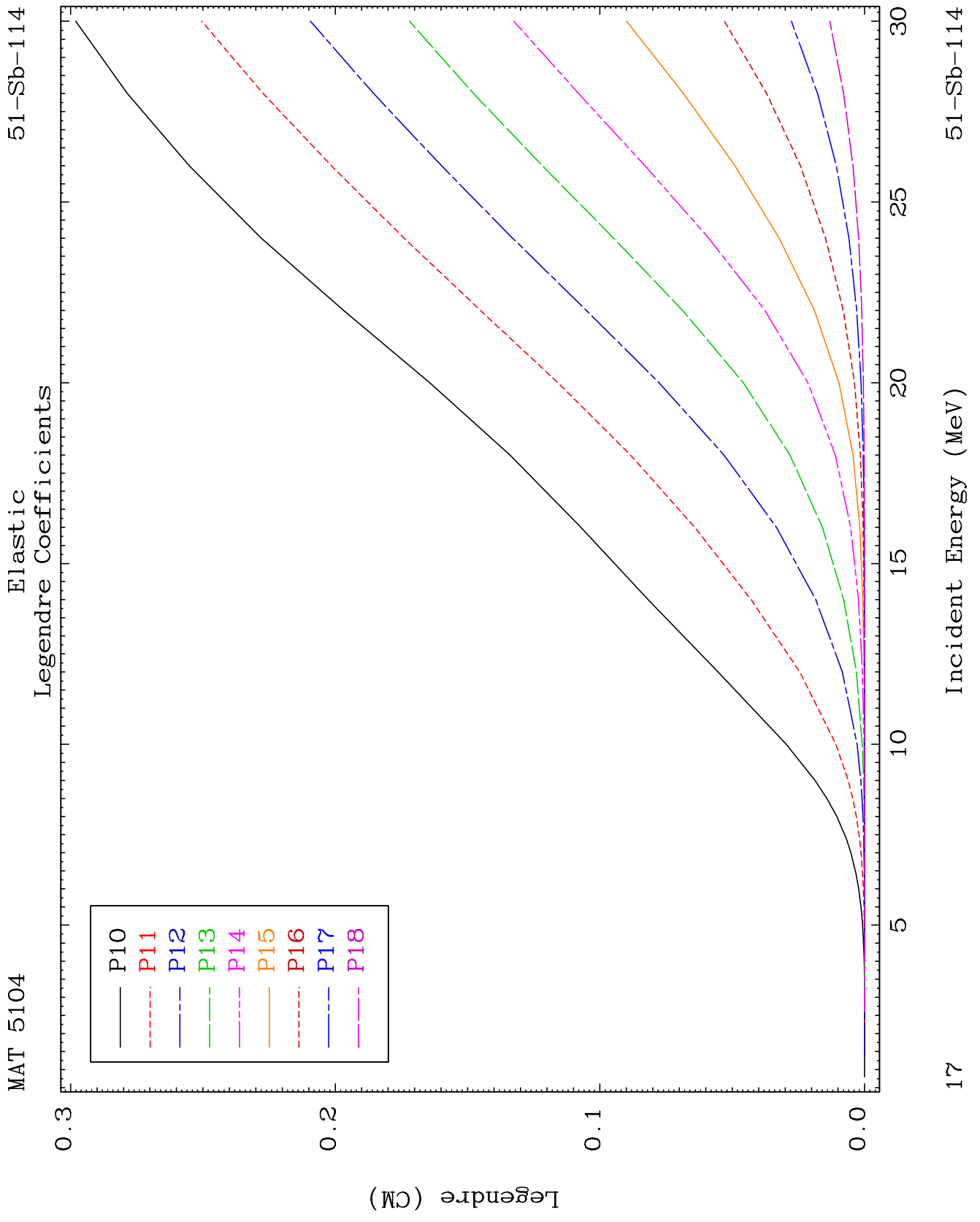
51-Sb-114



16

Incident Energy (MeV)

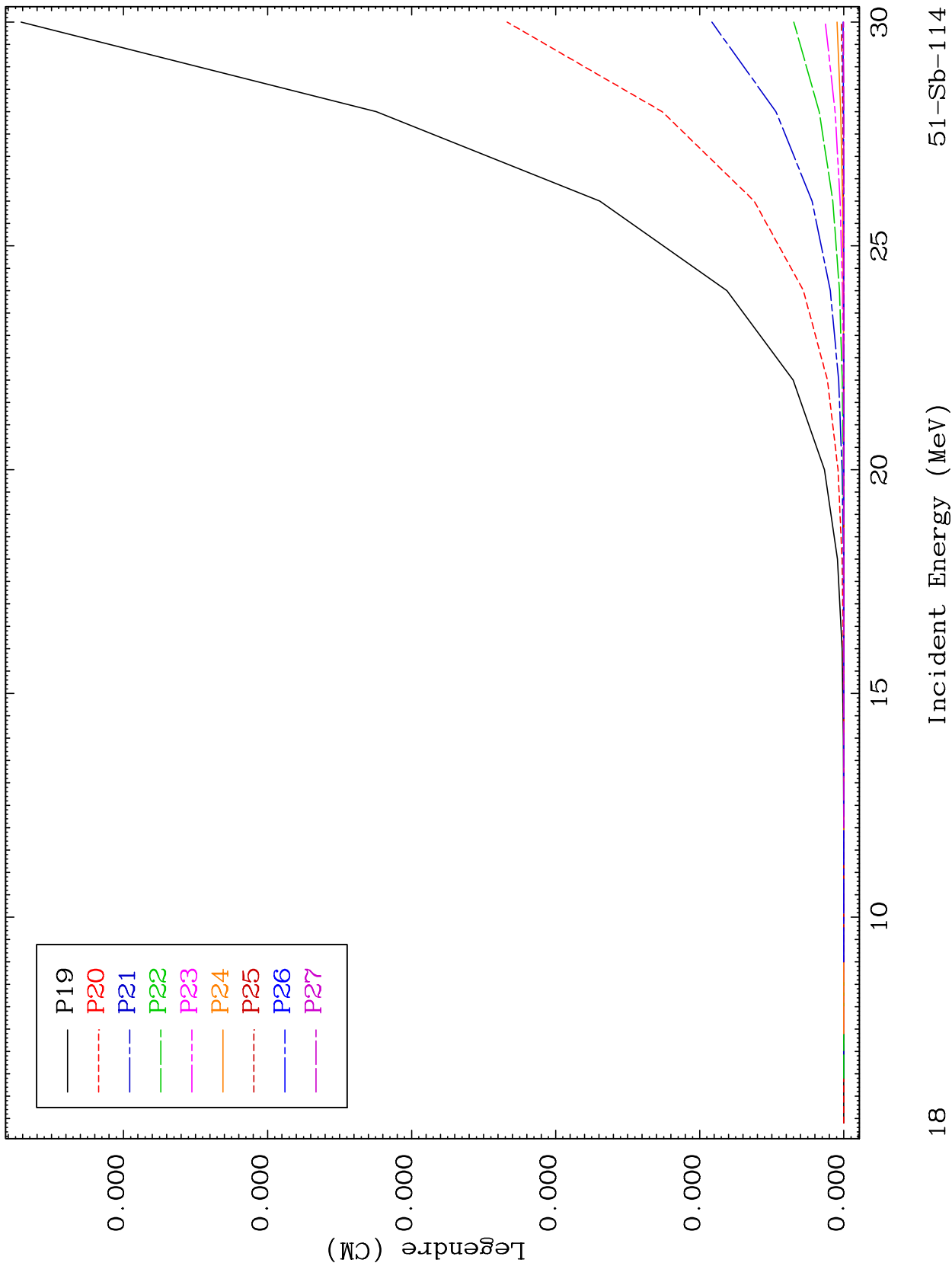
51-Sb-114



MAT 5104

Elastic Legendre Coefficients

51-Sb-114



18

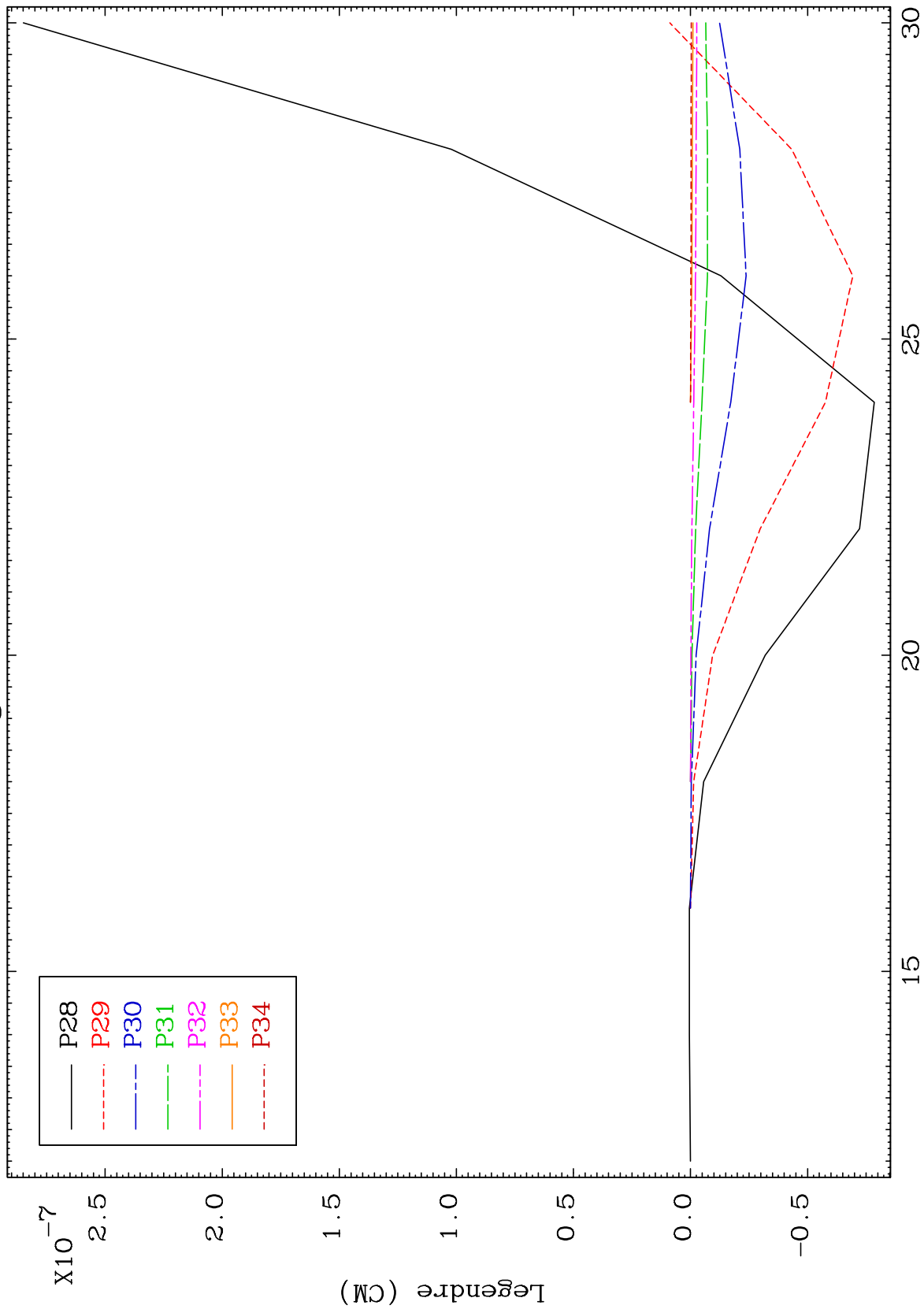
Incident Energy (MeV)

51-Sb-114

MAT 5104

Elastic
Legendre Coefficients

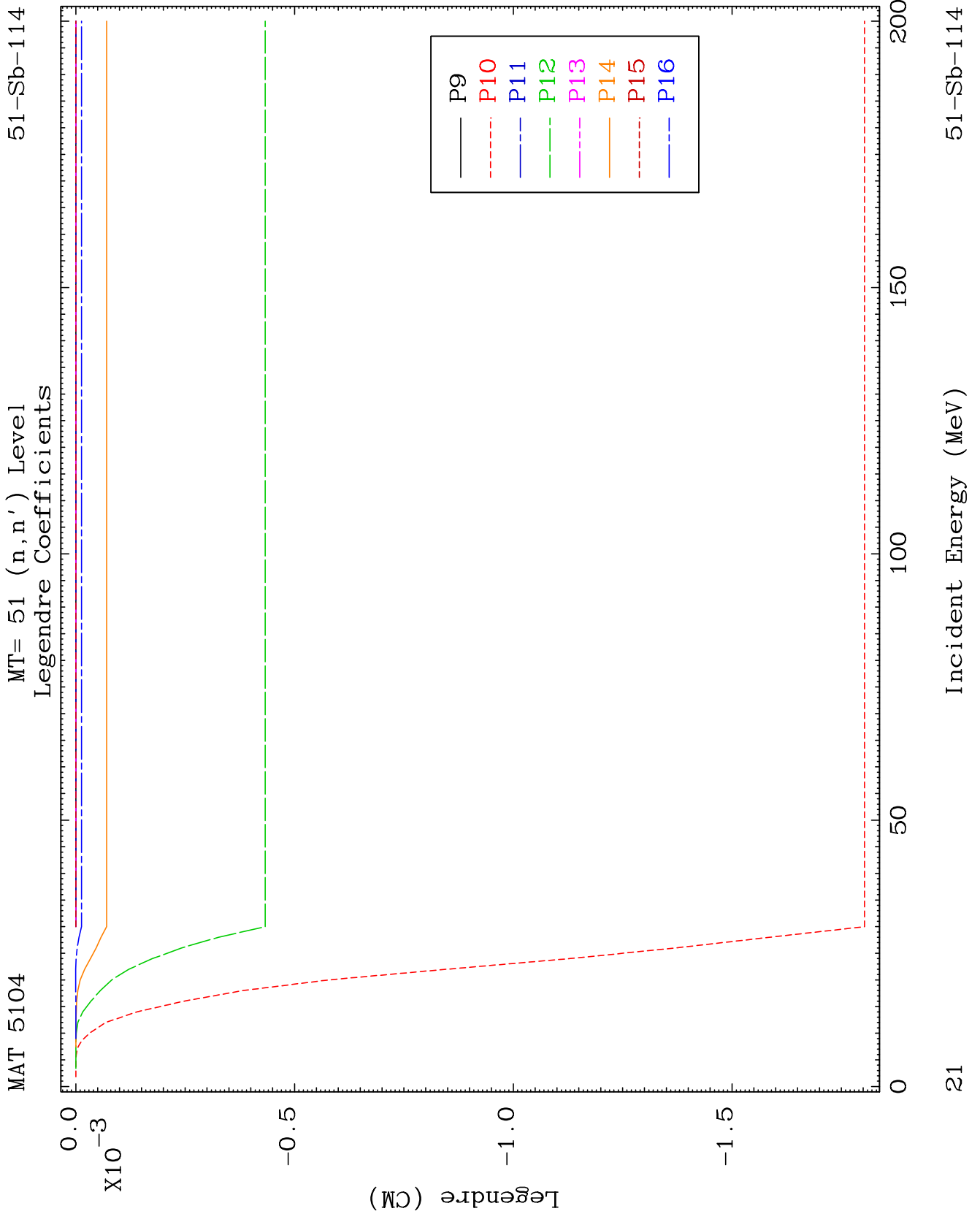
51-Sb-114

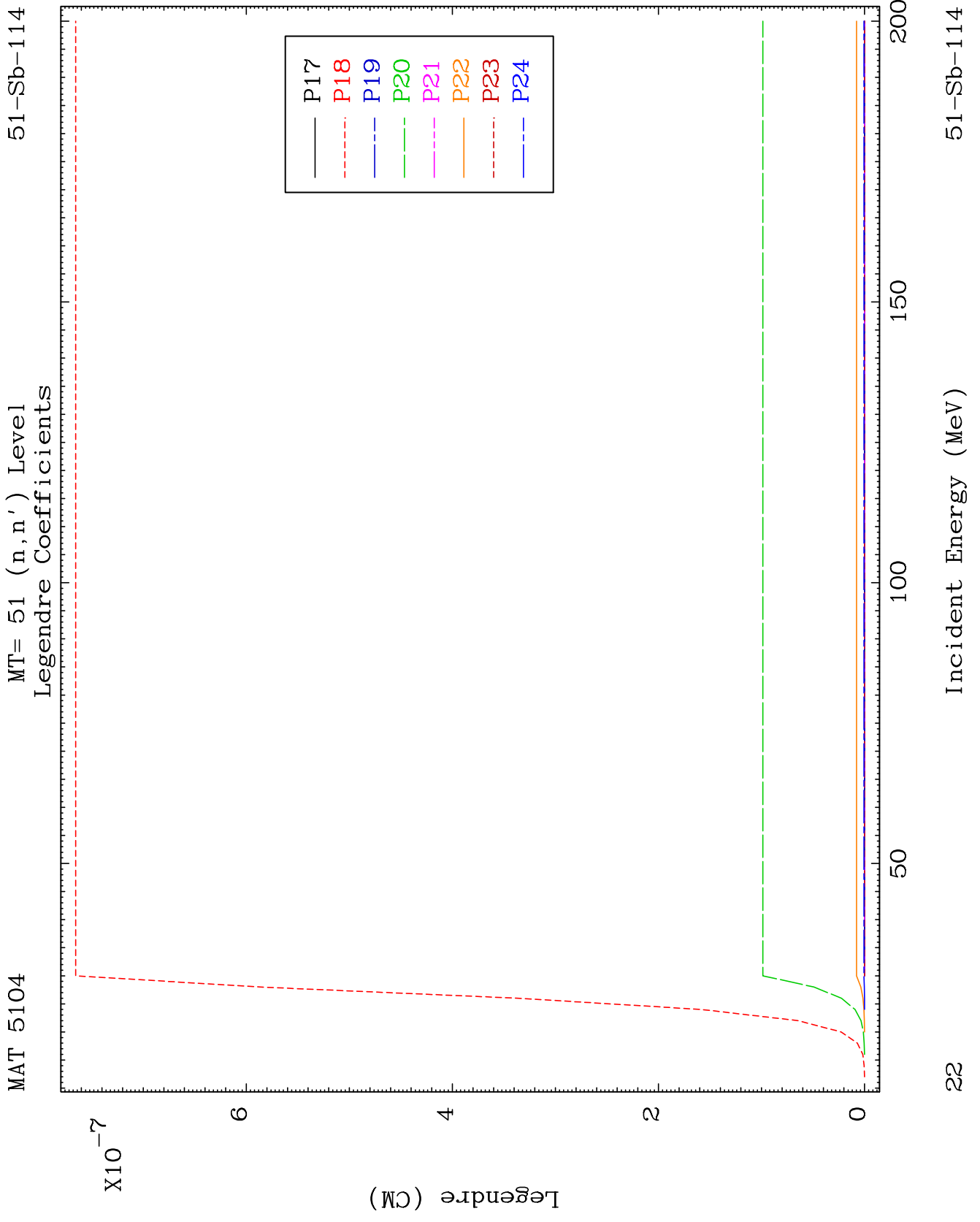


19

Incident Energy (MeV)

51-Sb-114

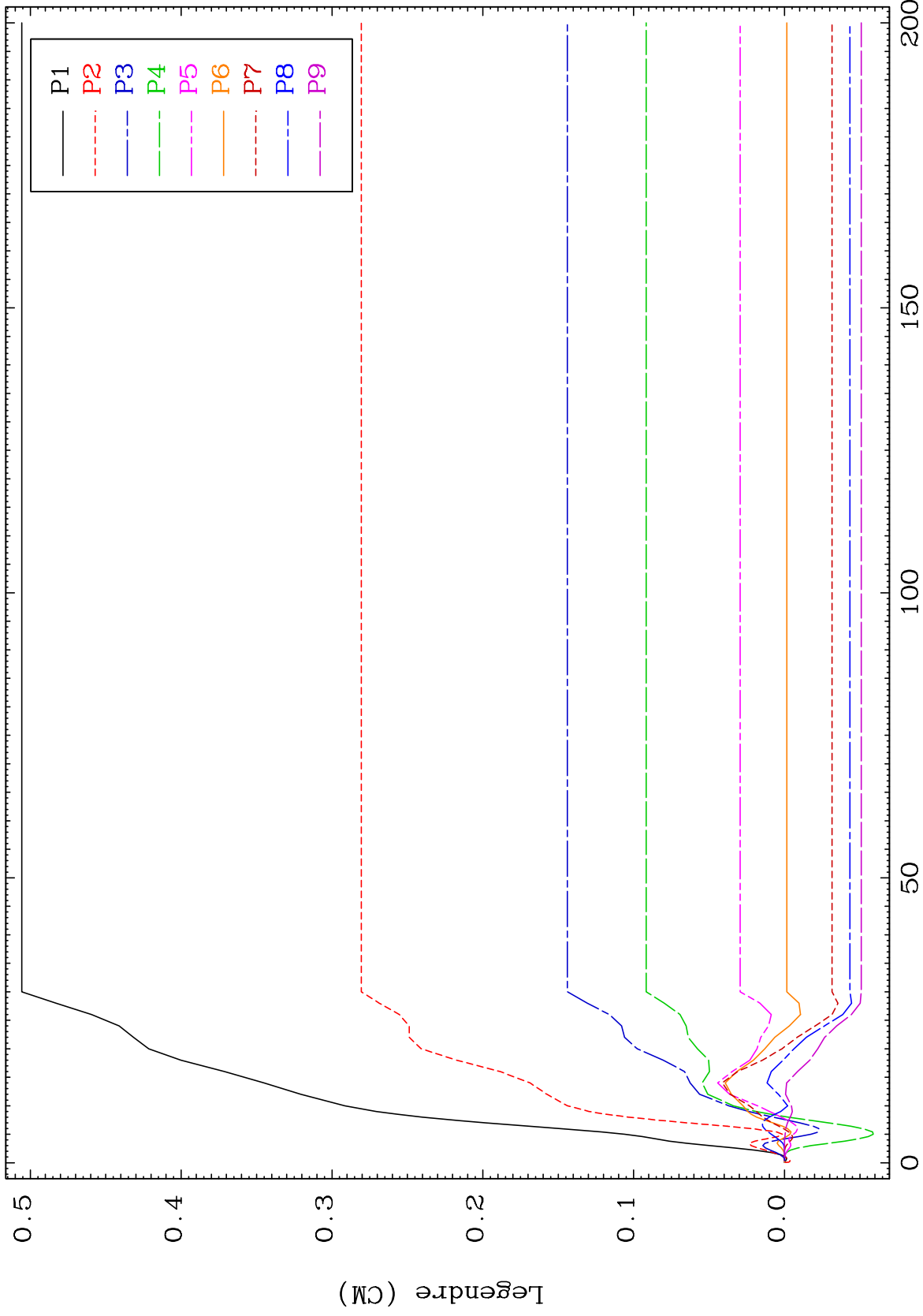




MAT 5104

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

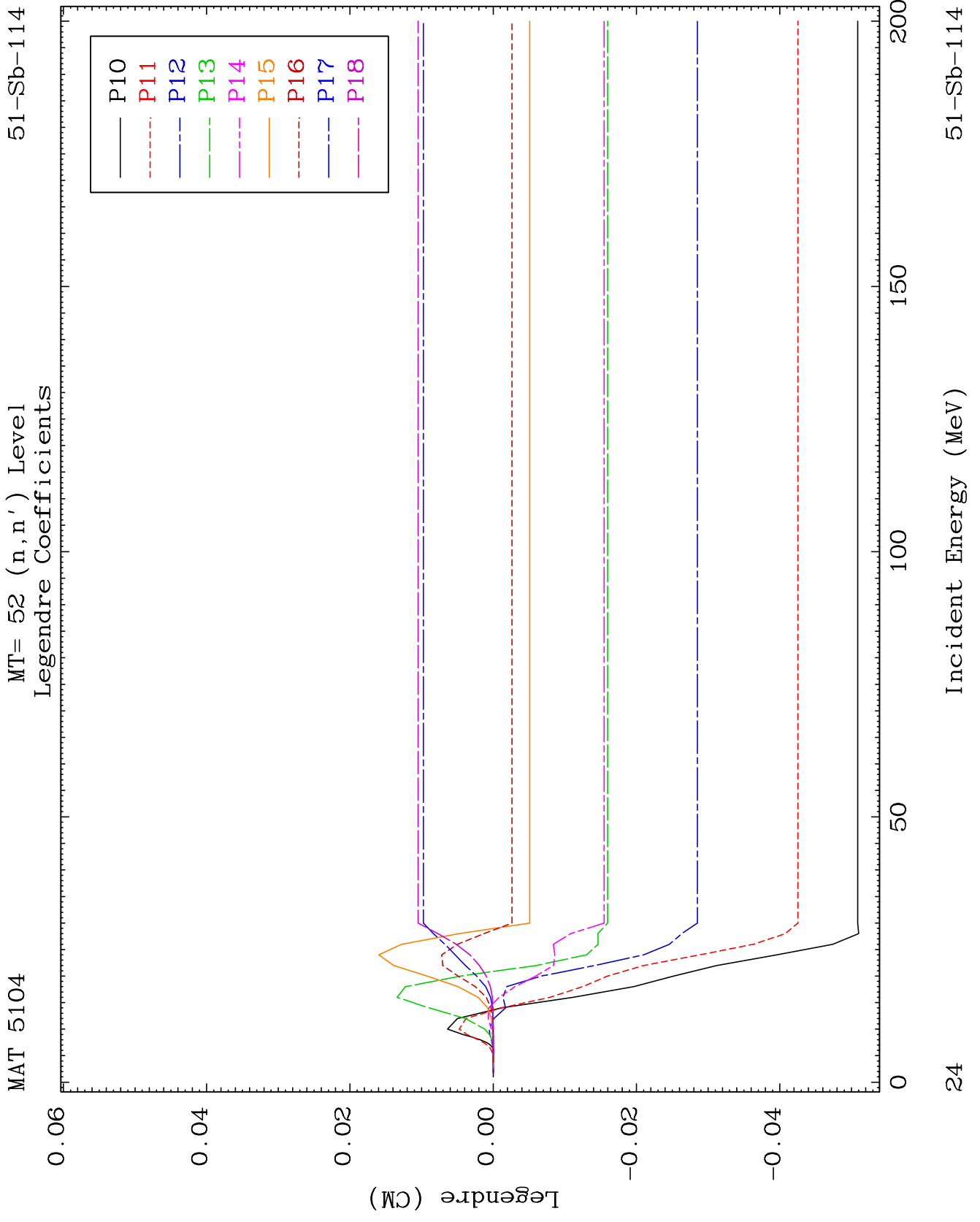
51-Sb-114



23

Incident Energy (MeV)

51-Sb-114



51-Sb-114

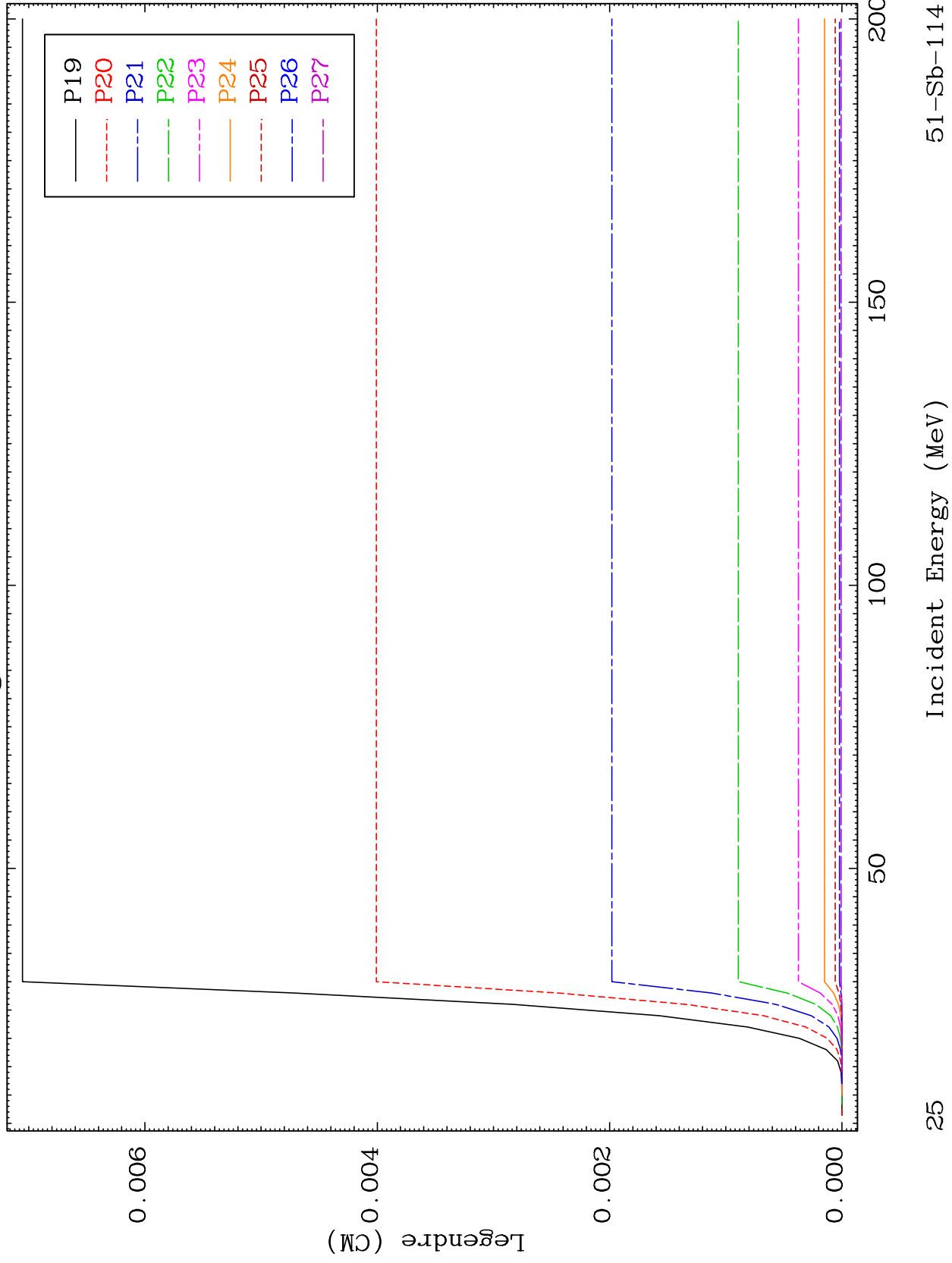
Incident Energy (MeV)

24

MAT 5104

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

51-Sb-114



51-Sb-114

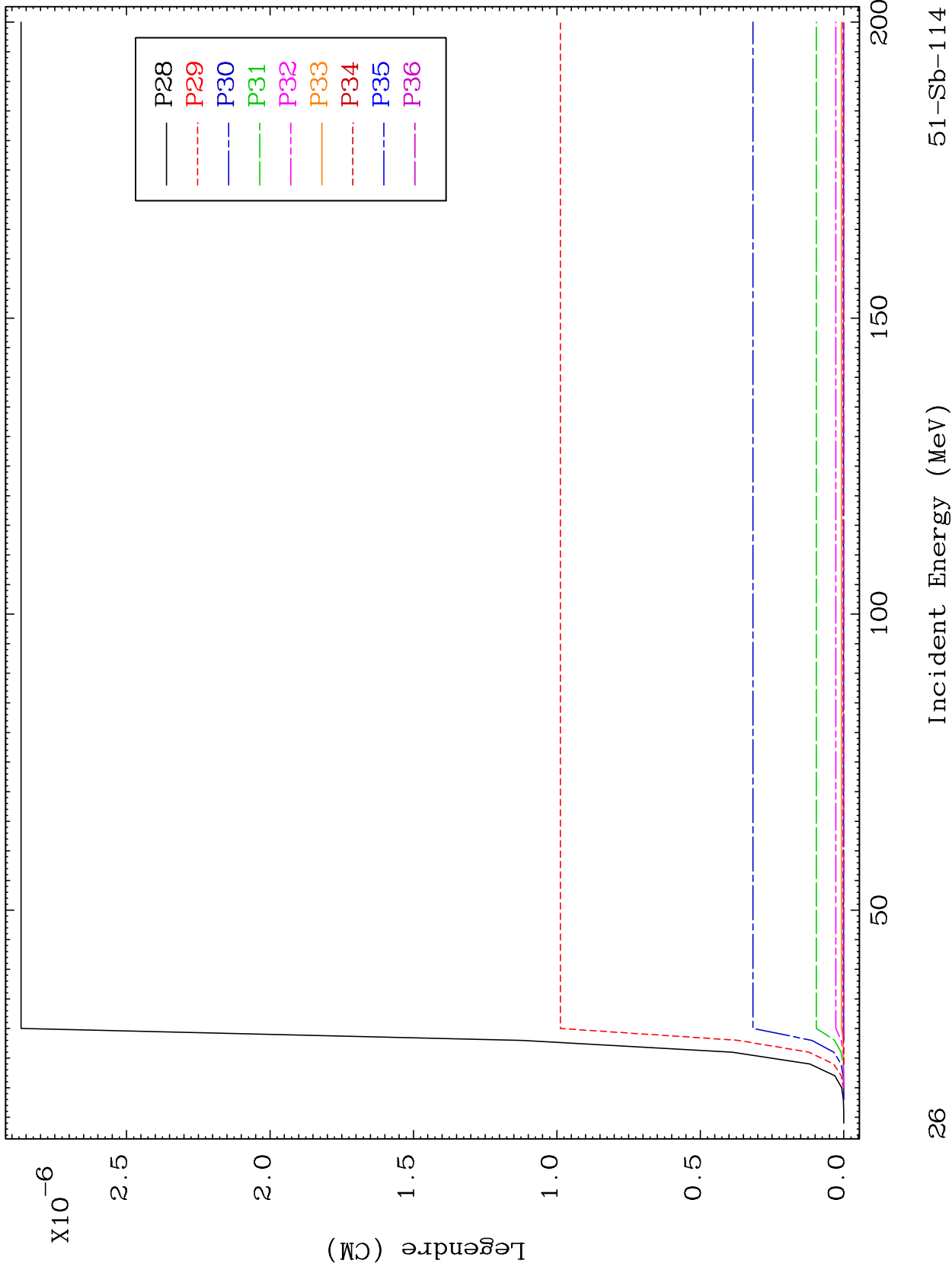
Incident Energy (MeV)

25

MAT 5104

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

51-Sb-114



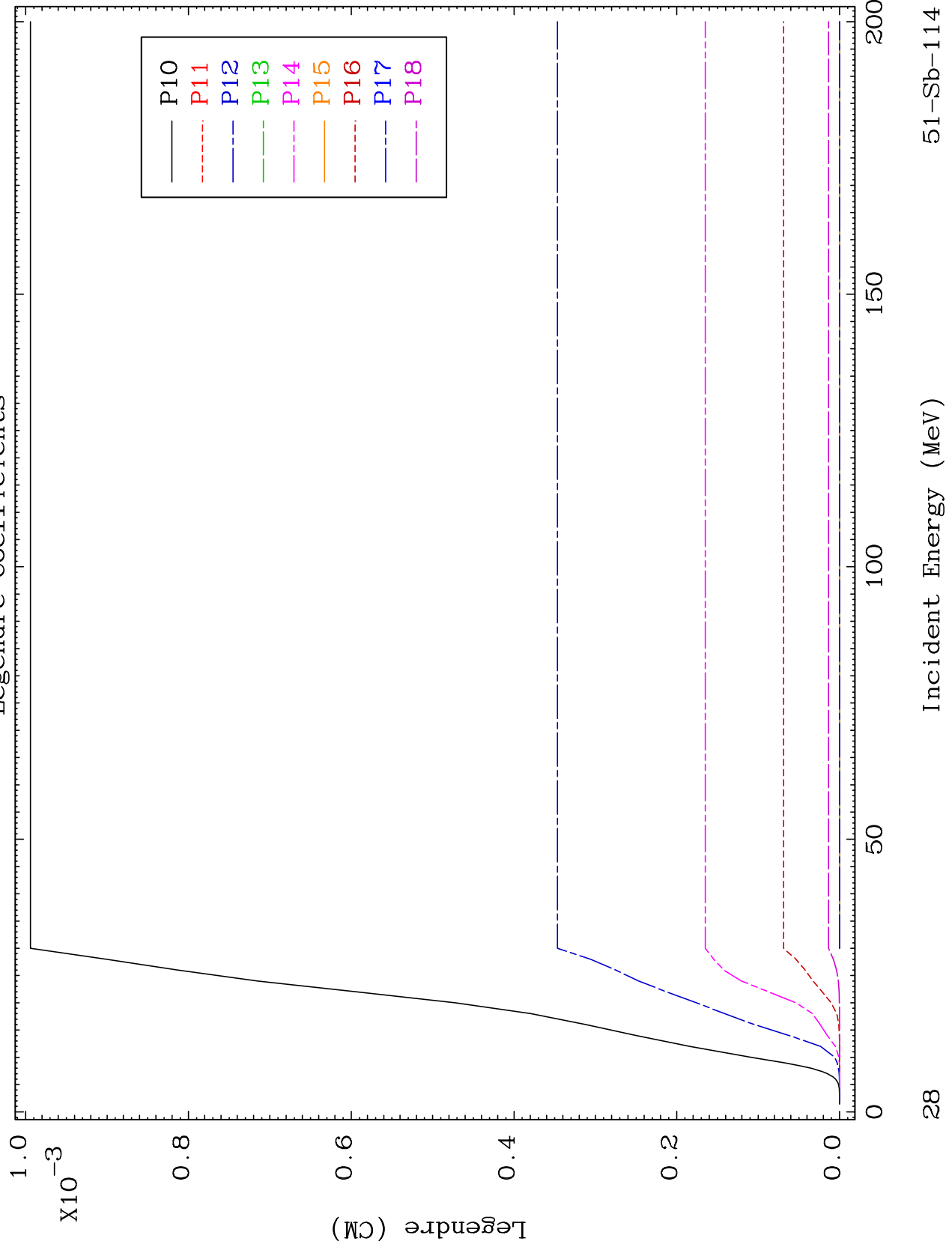
26

51-Sb-114

MAT 5104

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

51-Sb-114

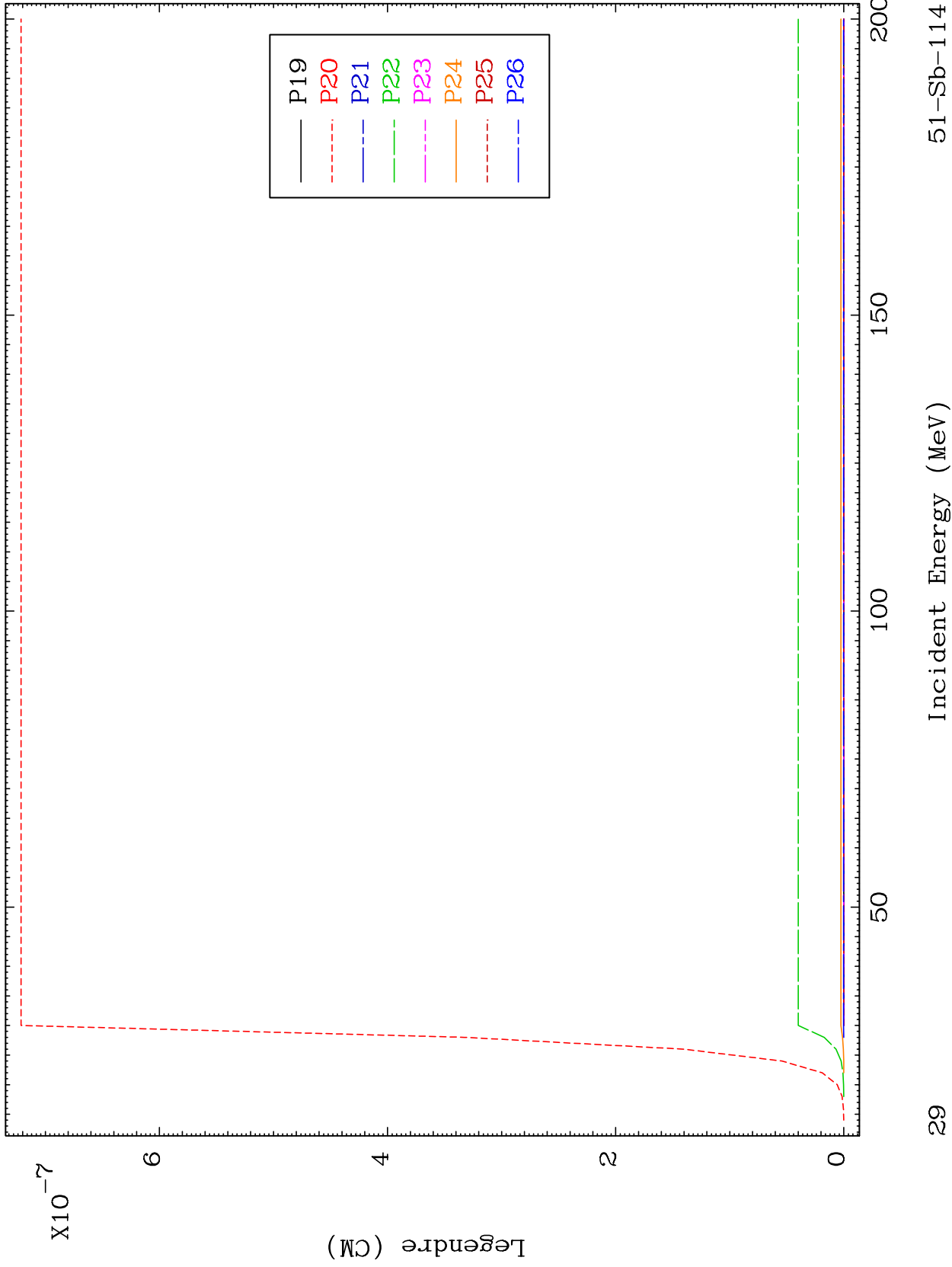


28

MAT 5104

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

51-Sb-114



51-Sb-114

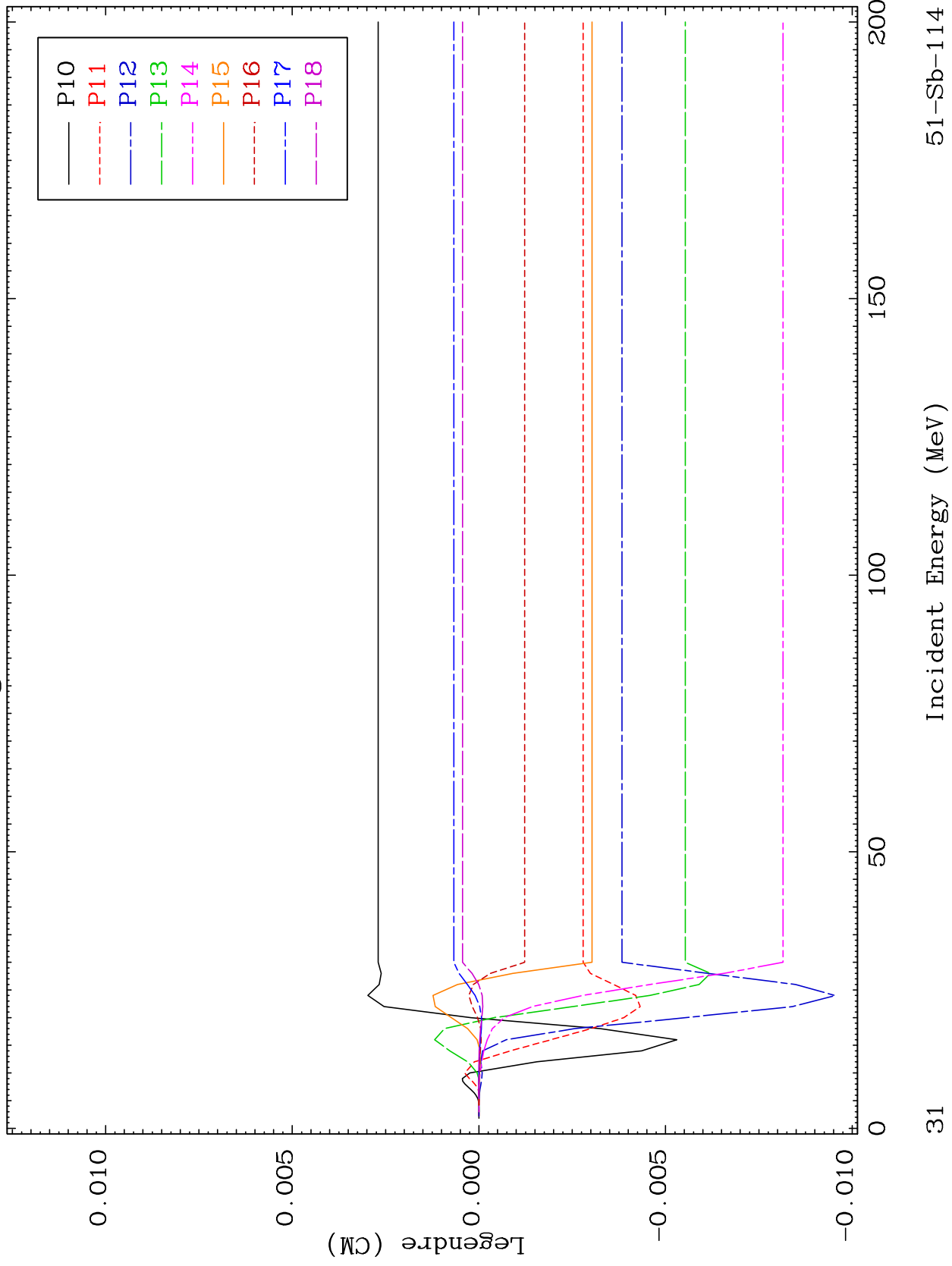
Incident Energy (MeV)

29

MAT 5104

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

51-Sb-114



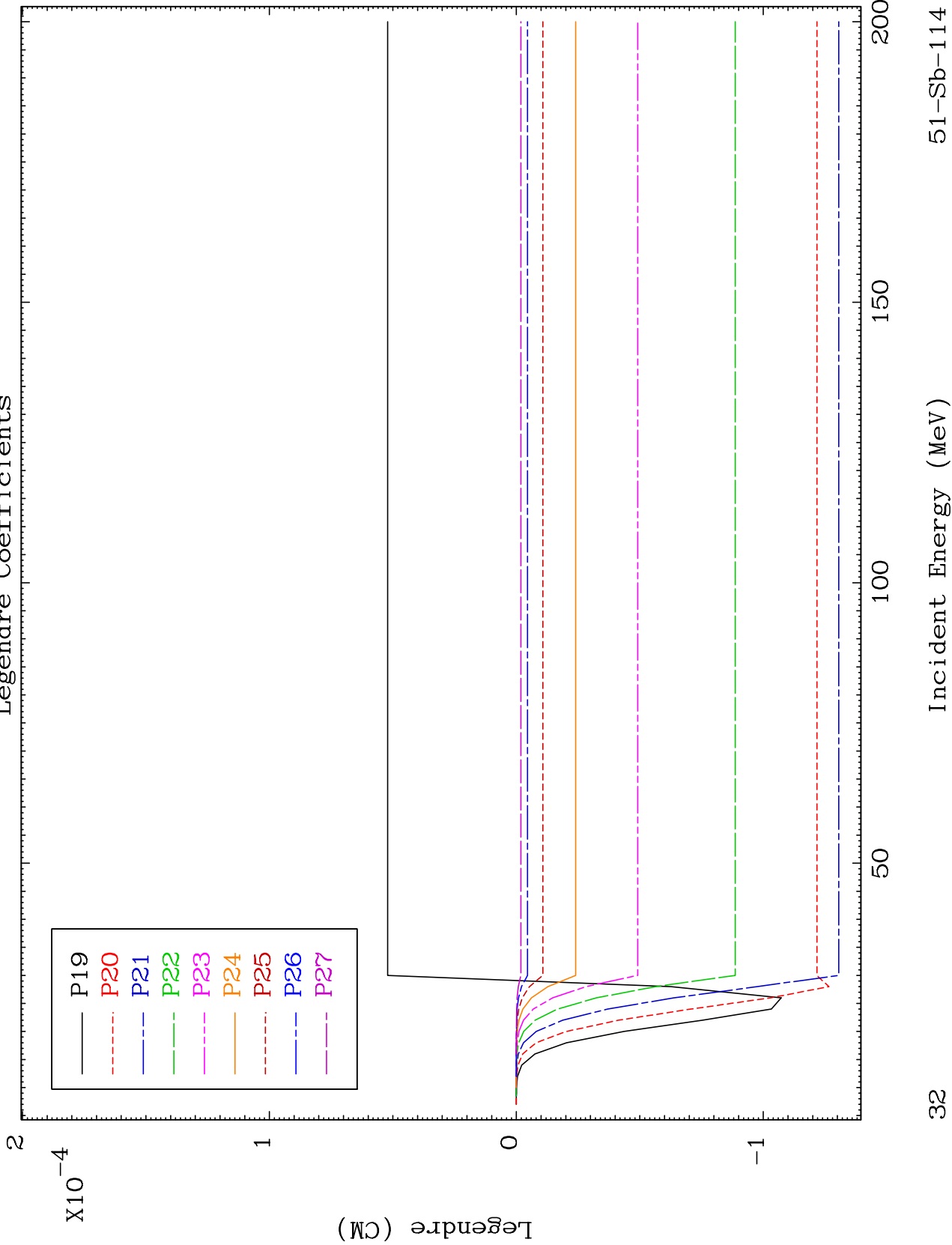
31

51-Sb-114

MAT 5104

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

51-Sb-114

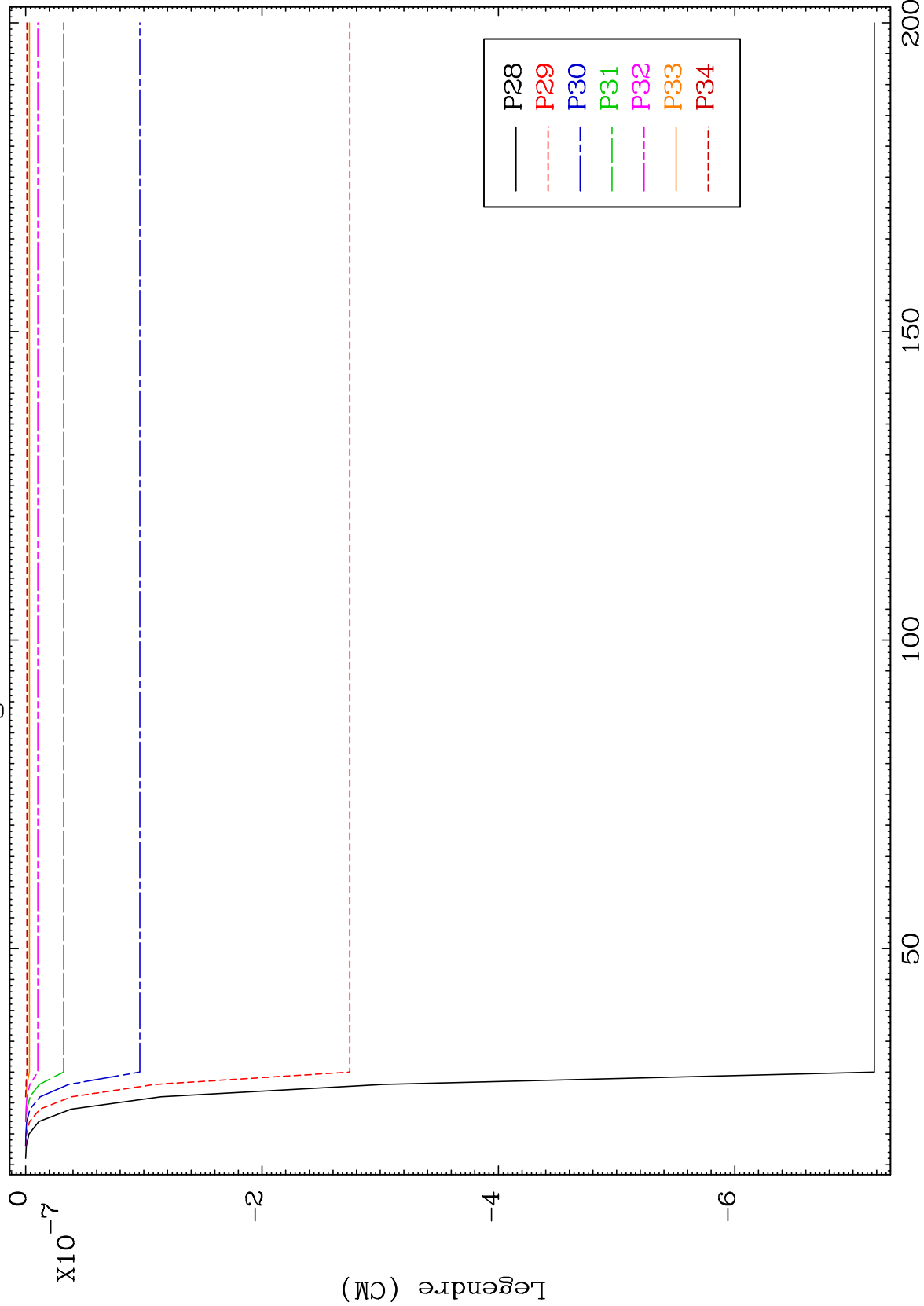


MAT 5104

MT= 54 (n,n') Level

51-Sb-114

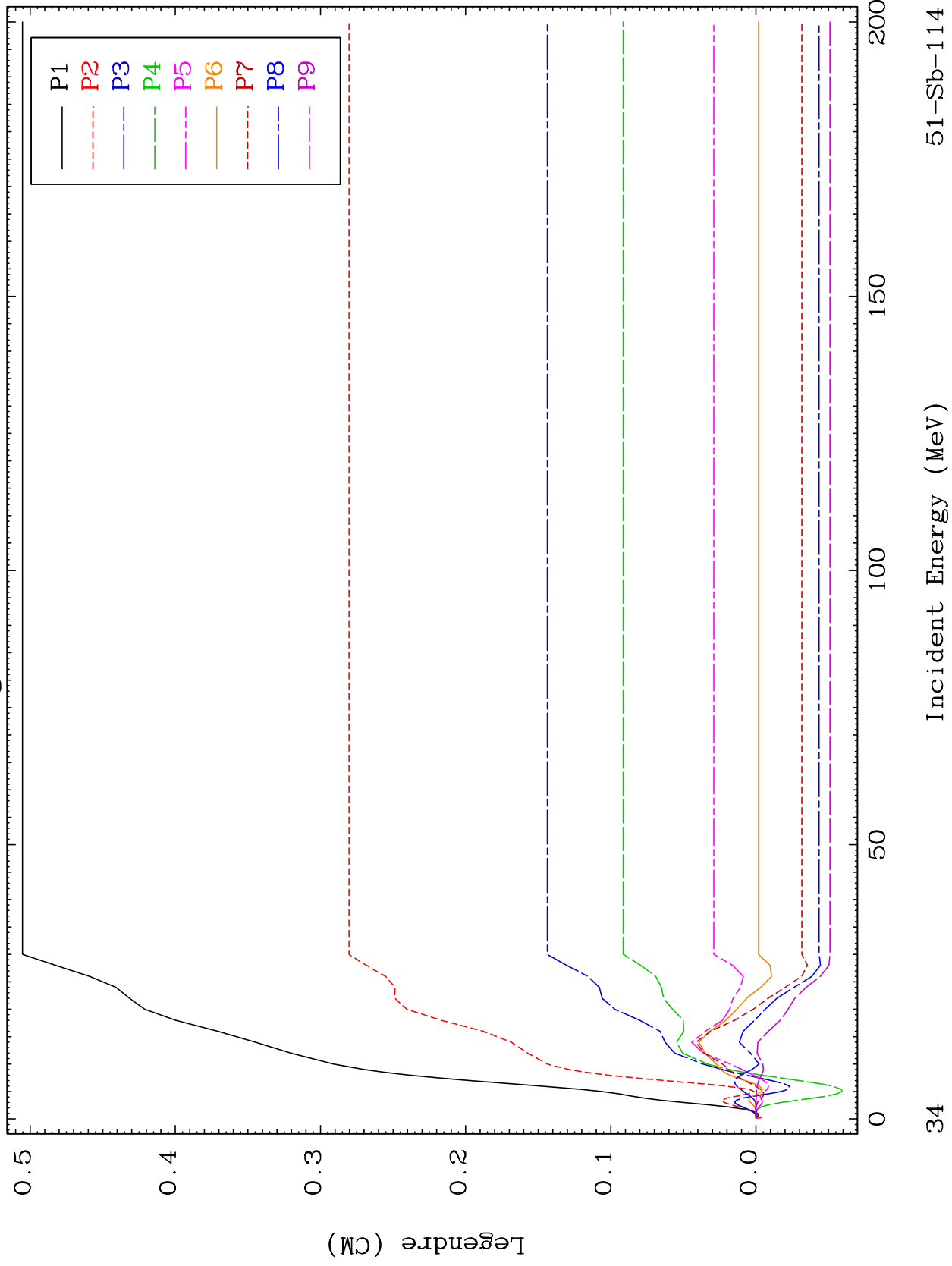
Legendre Coefficients



MAT 5104

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

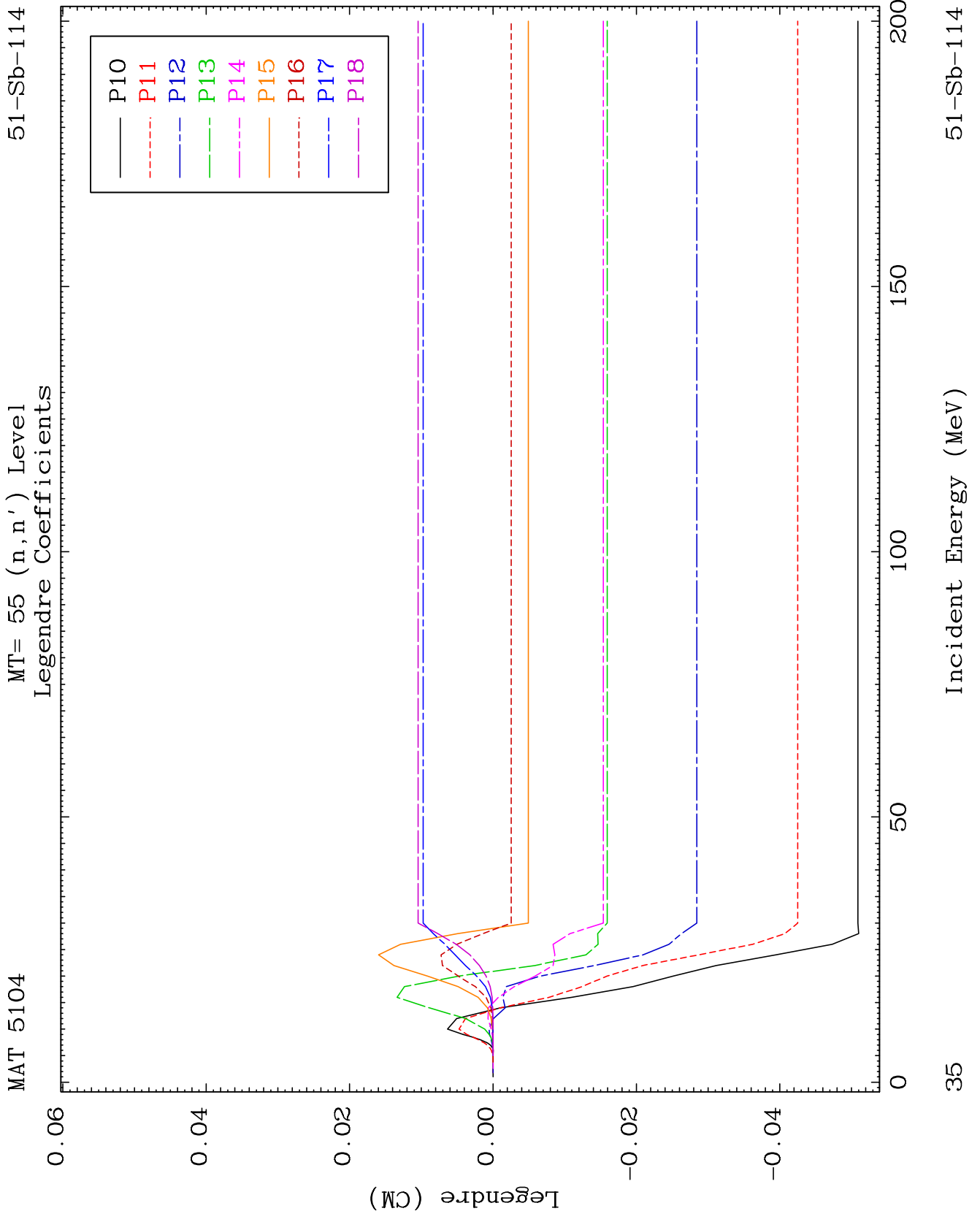
51-Sb-114



51-Sb-114

Incident Energy (MeV)

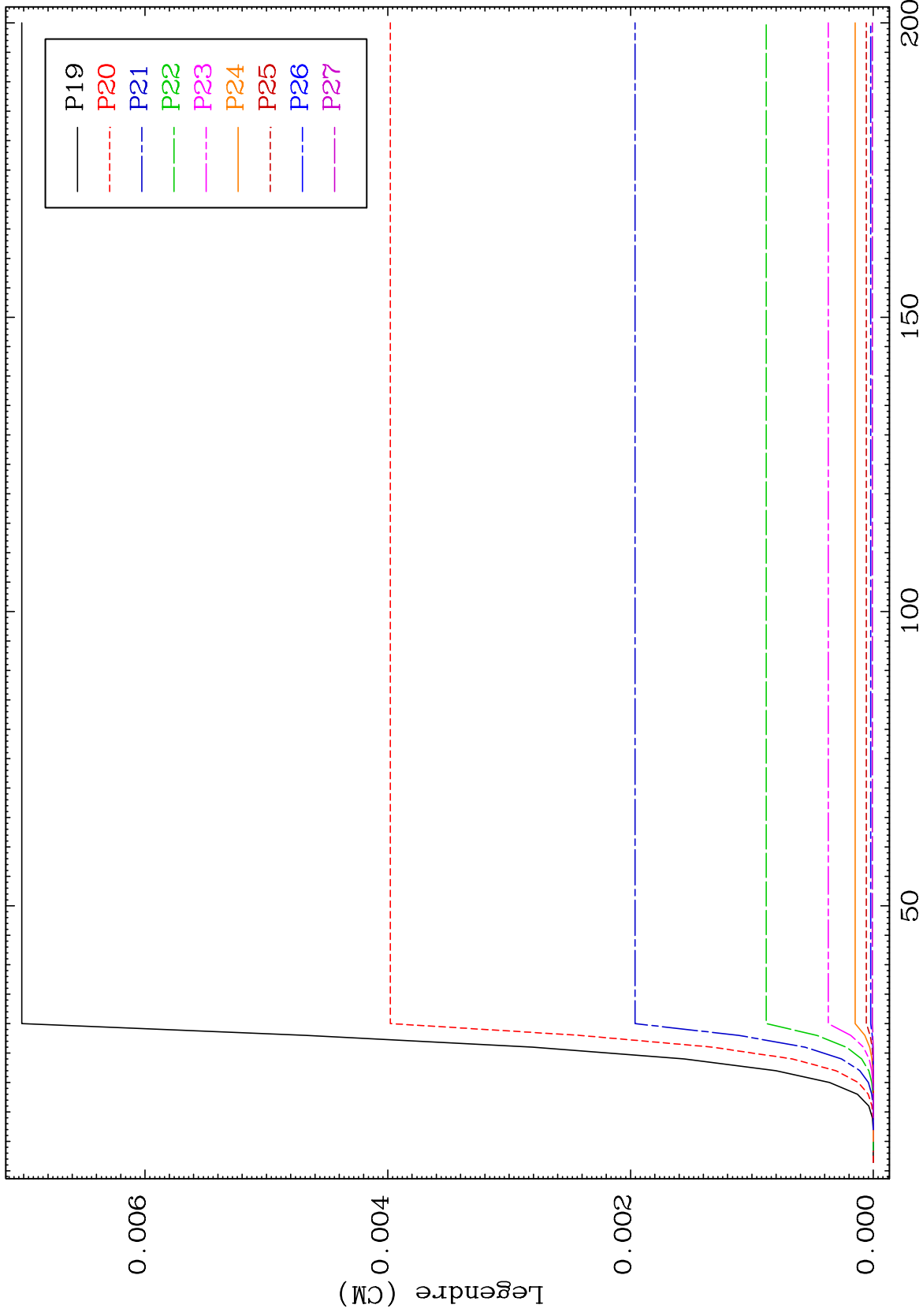
34



MAT 5104

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

51-Sb-114



36

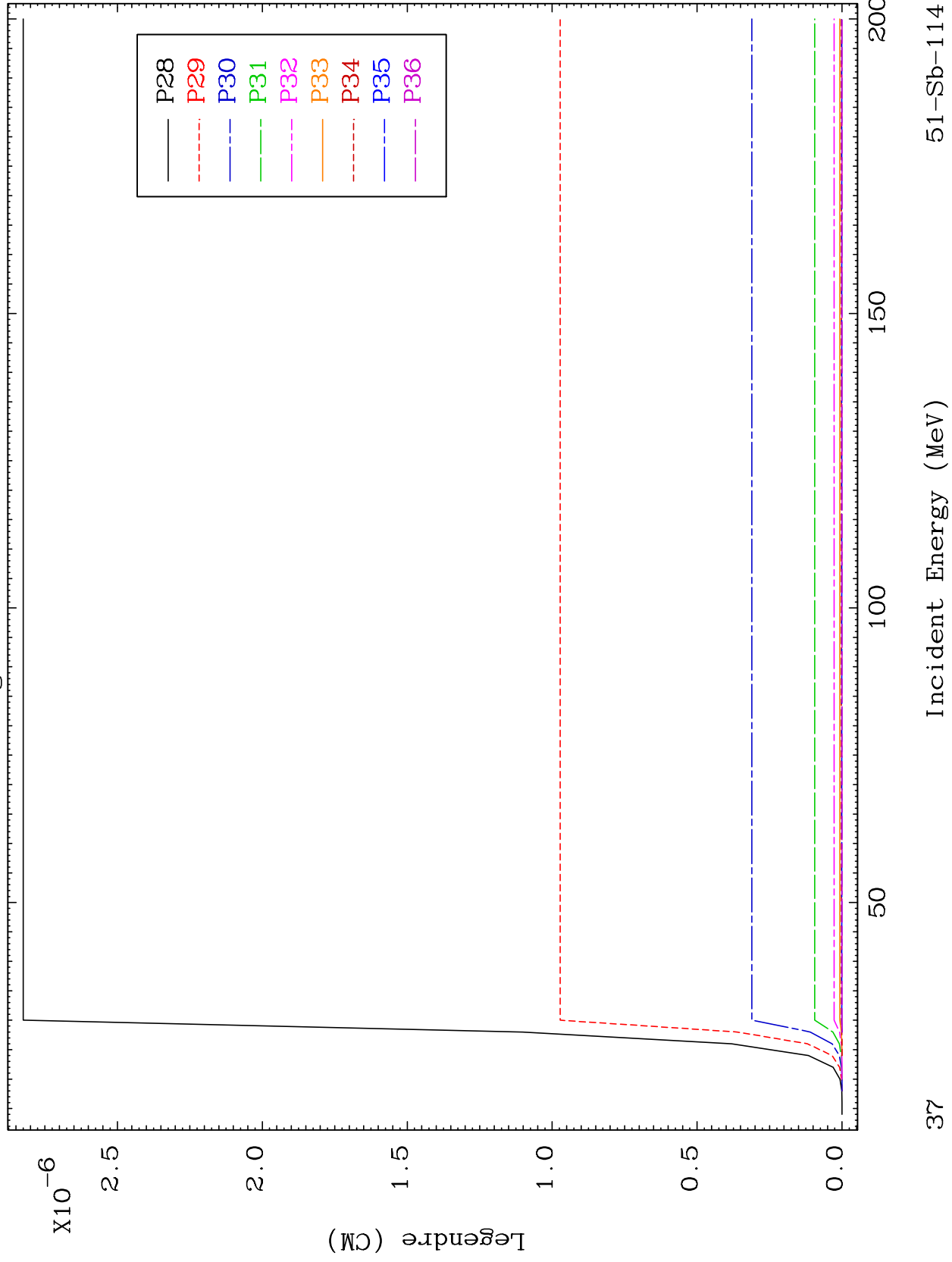
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

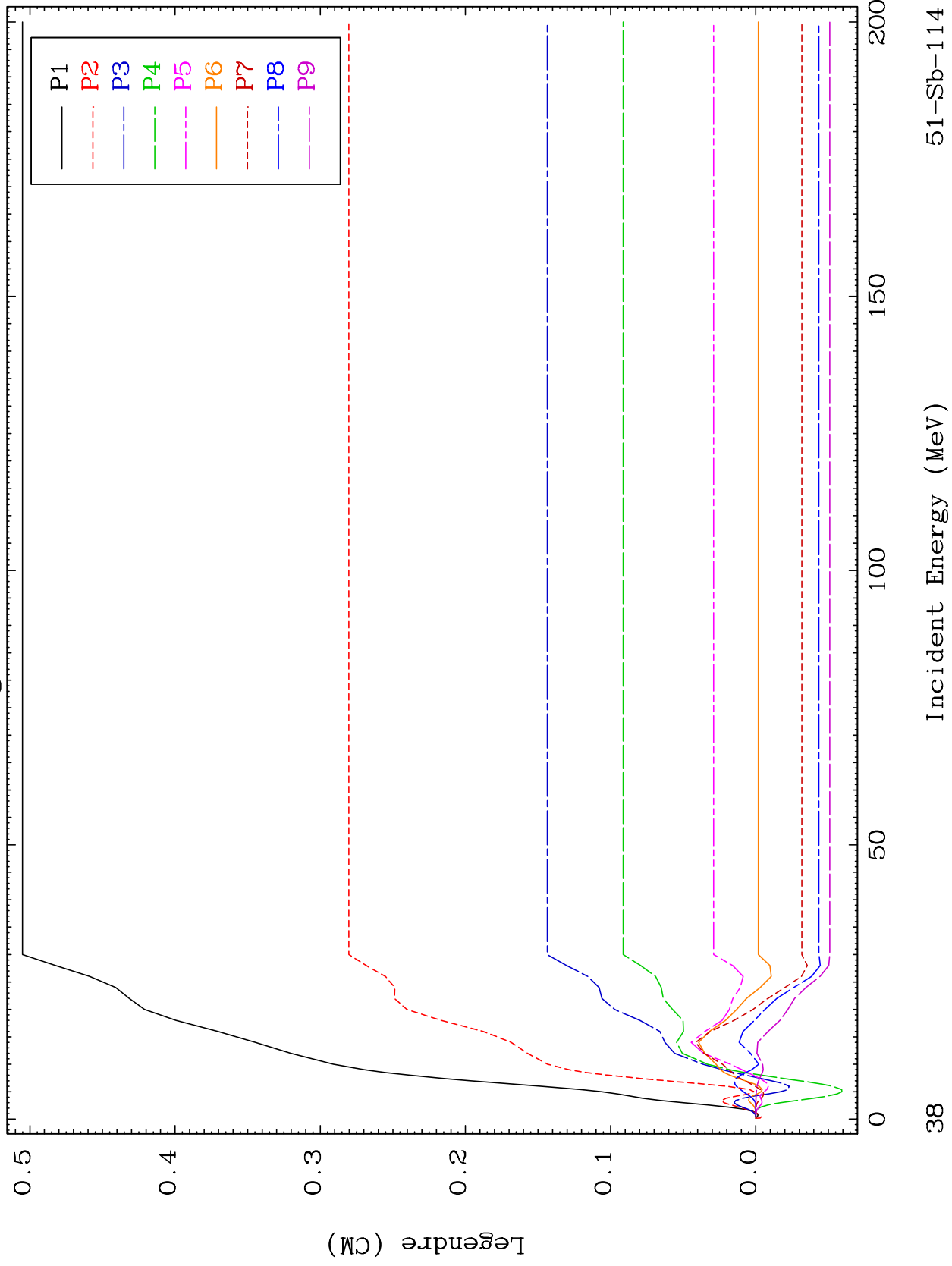
51-Sb-114



MAT 5104

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

51-Sb-114



51-Sb-114

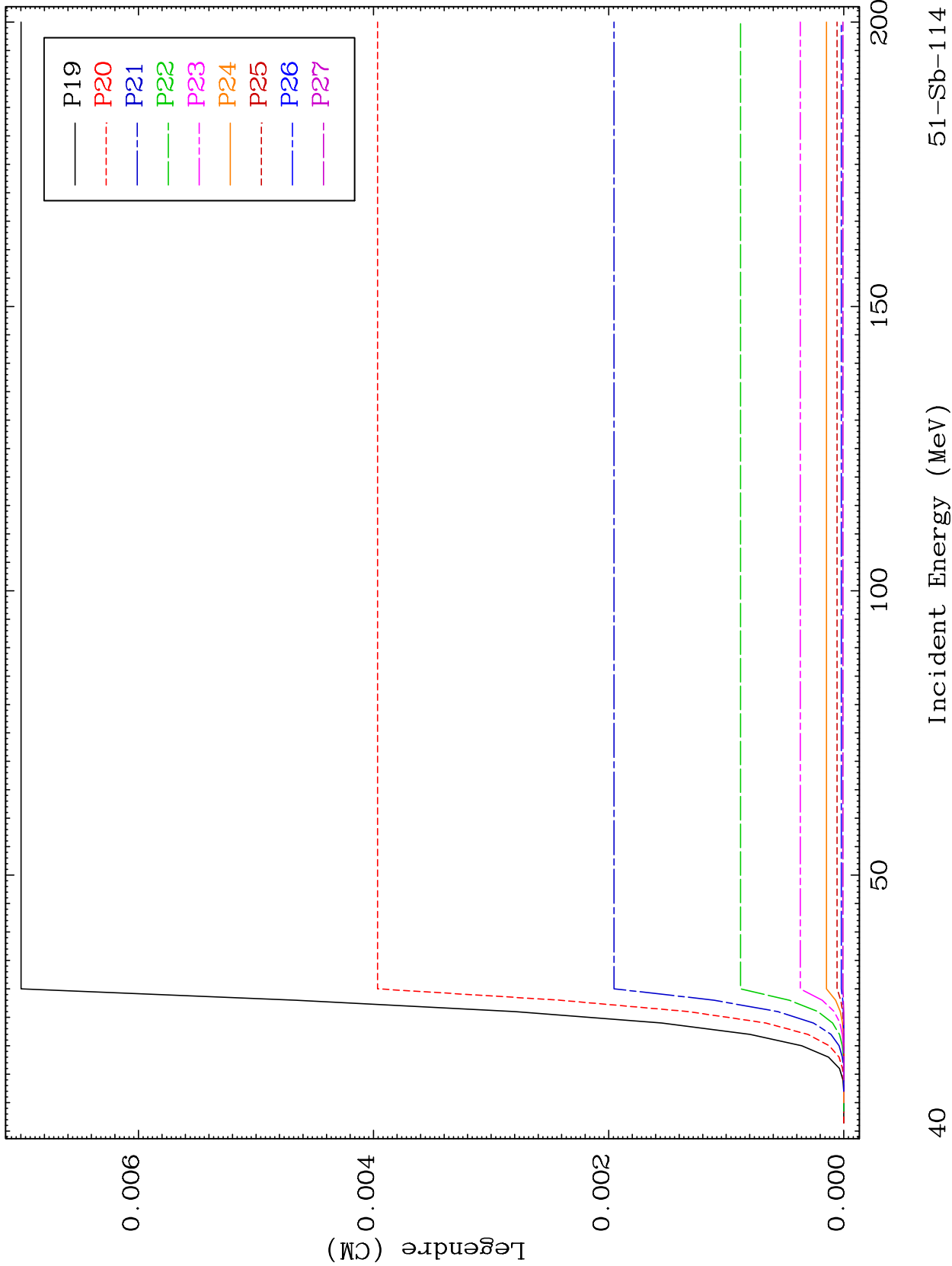
Incident Energy (MeV)

38

MAT 5104

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

51-Sb-114



51-Sb-114

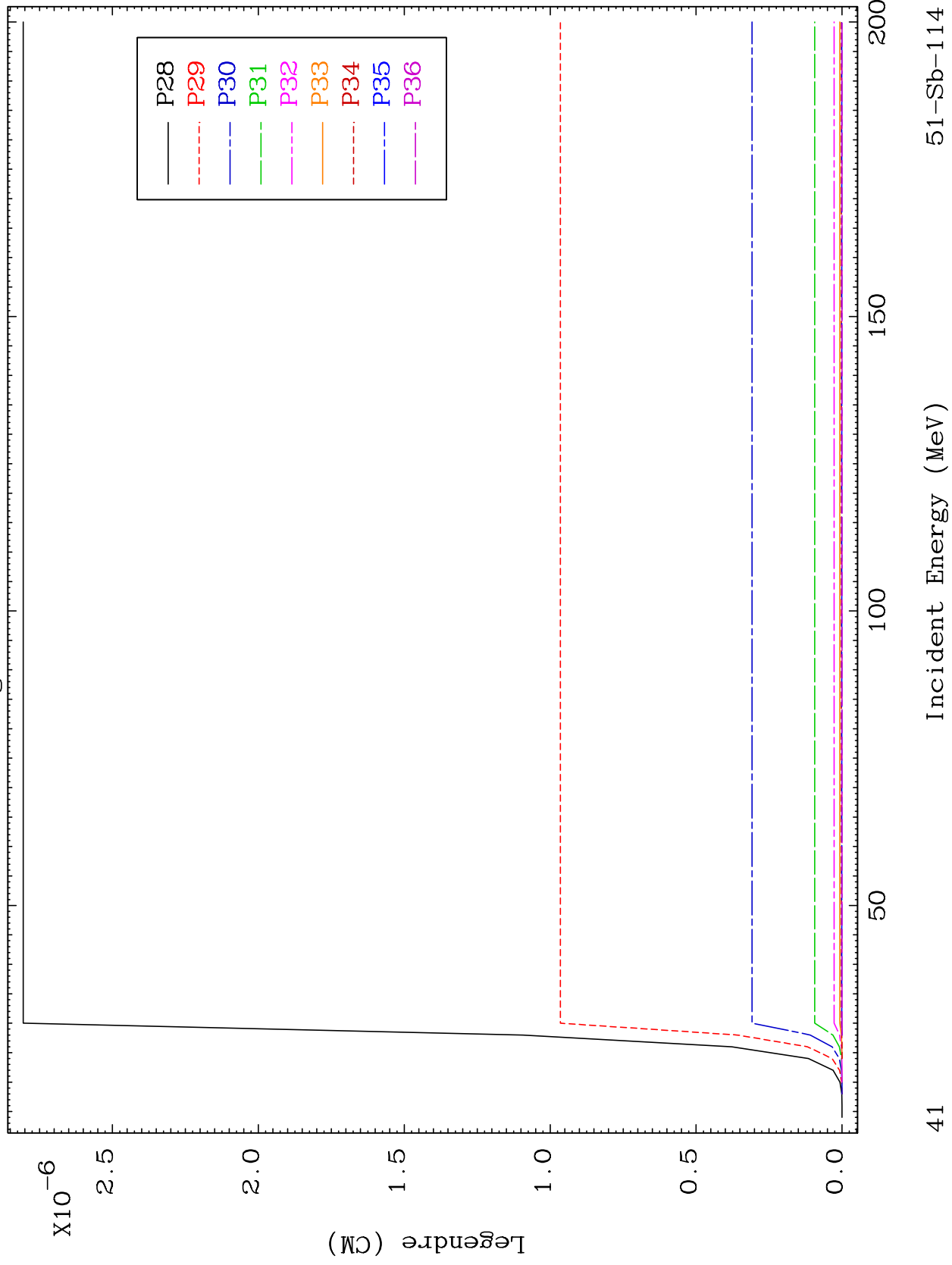
Incident Energy (MeV)

40

MAT 5104

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

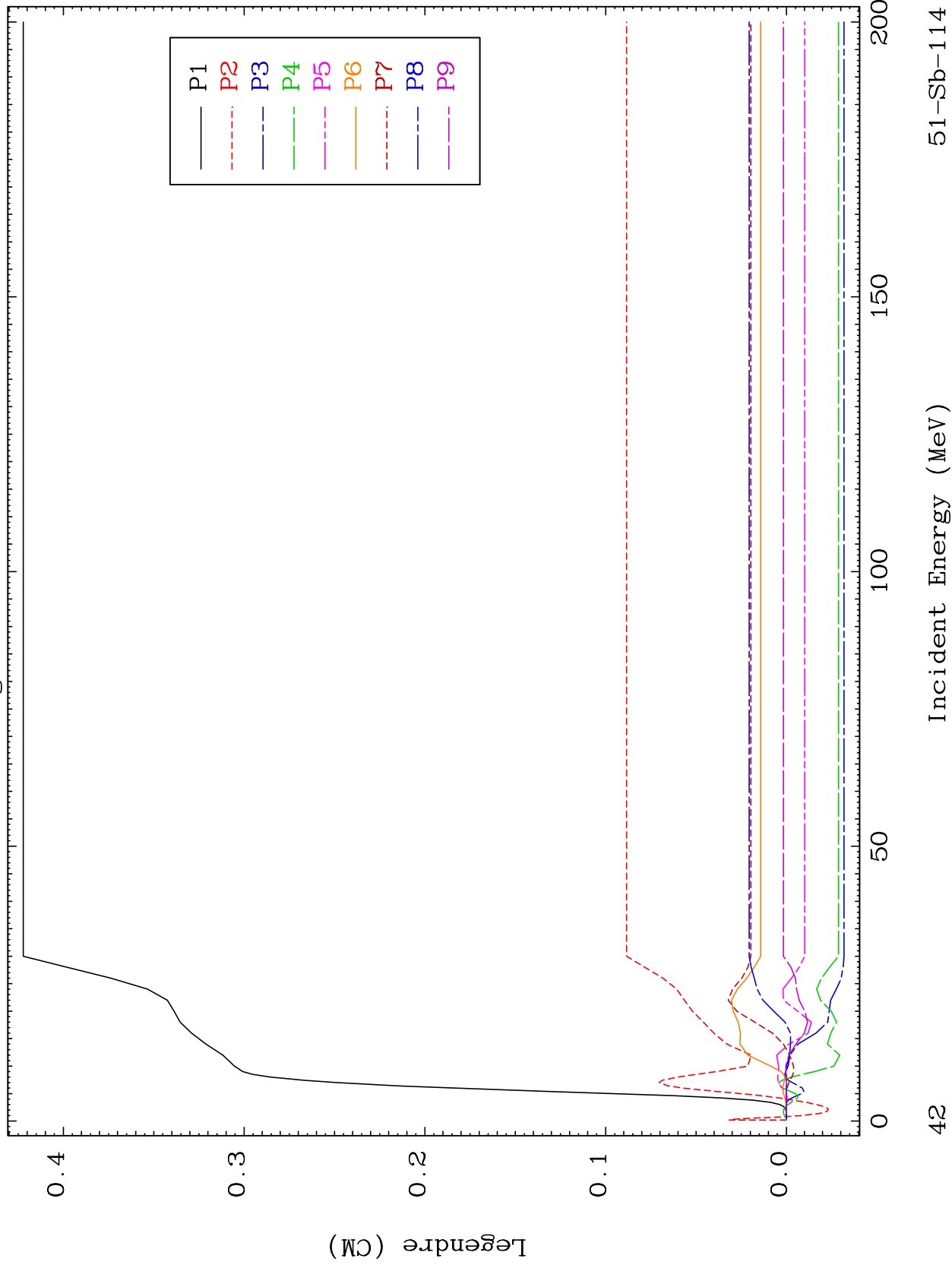
51-Sb-114



MAT 5104

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

51-Sb-114



51-Sb-114

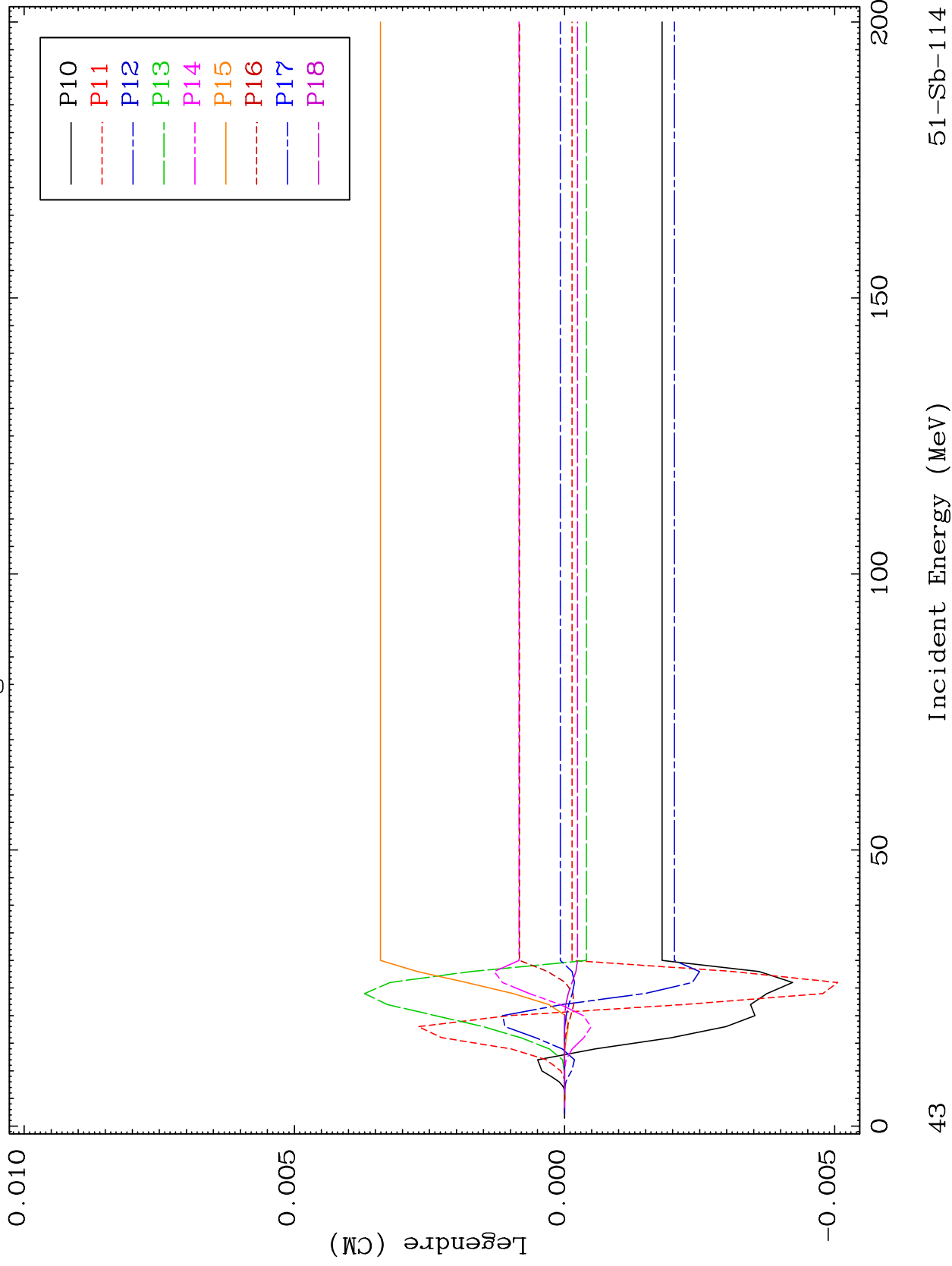
Incident Energy (MeV)

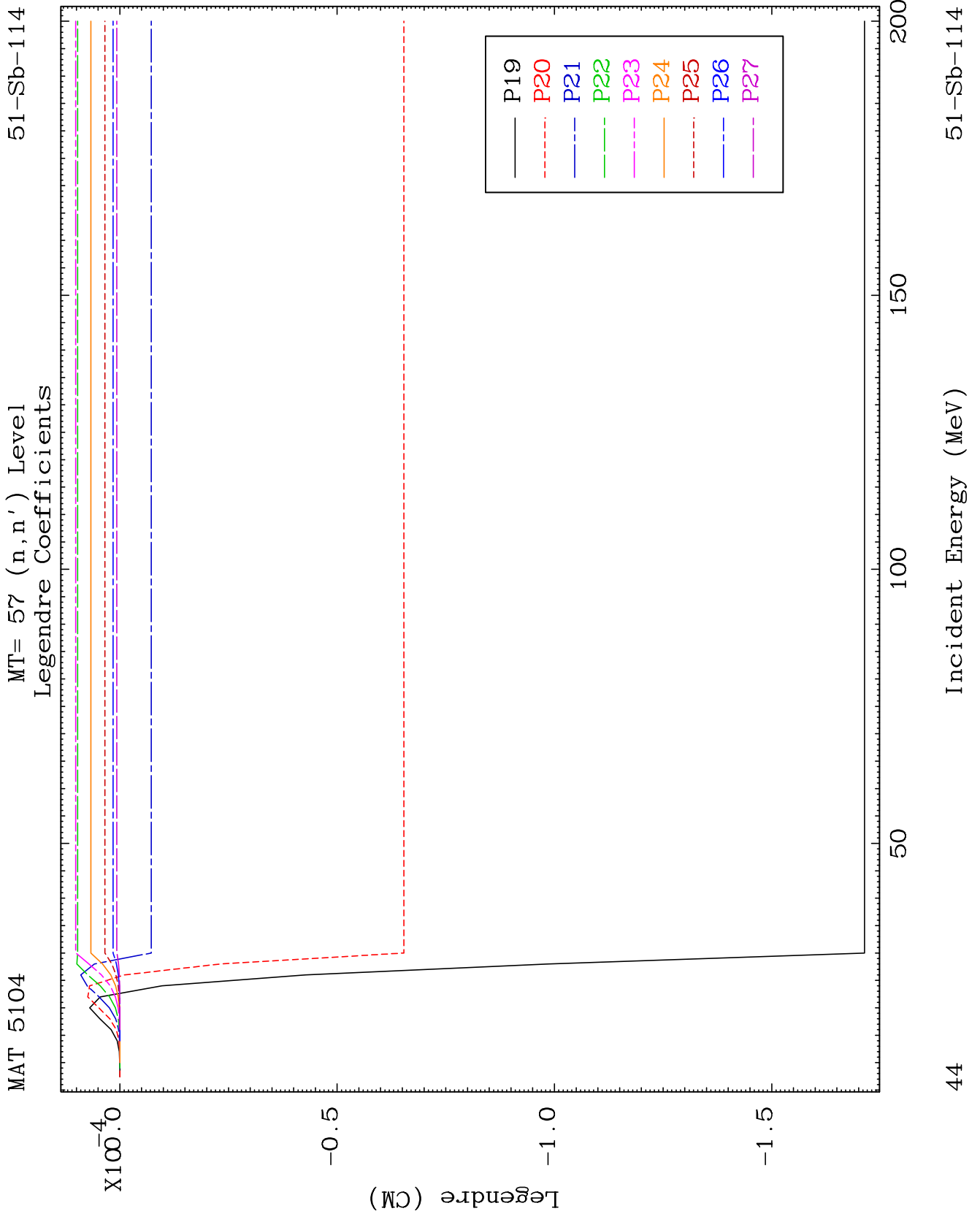
42

MAT 5104

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

51-Sb-114

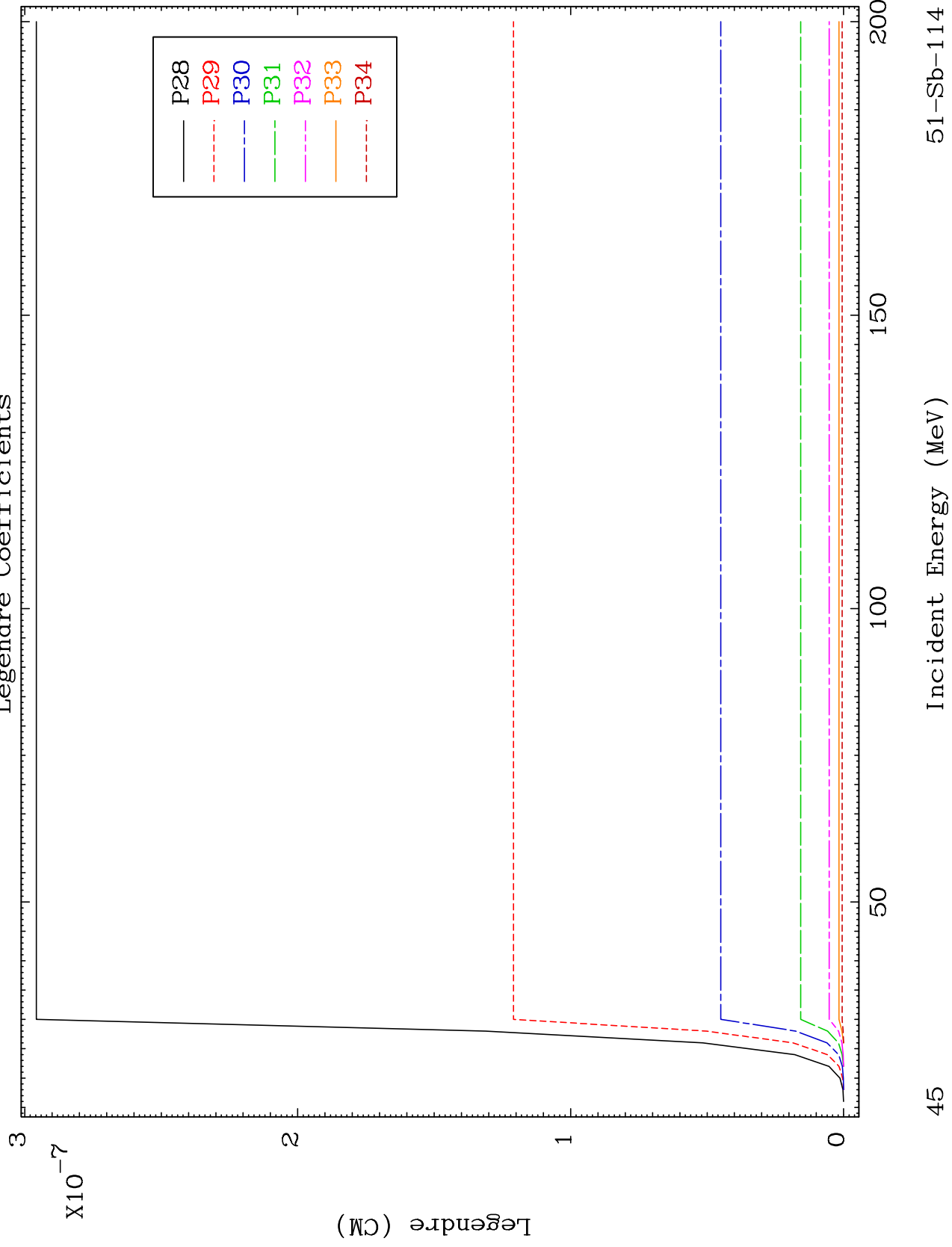




MAT 5104

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

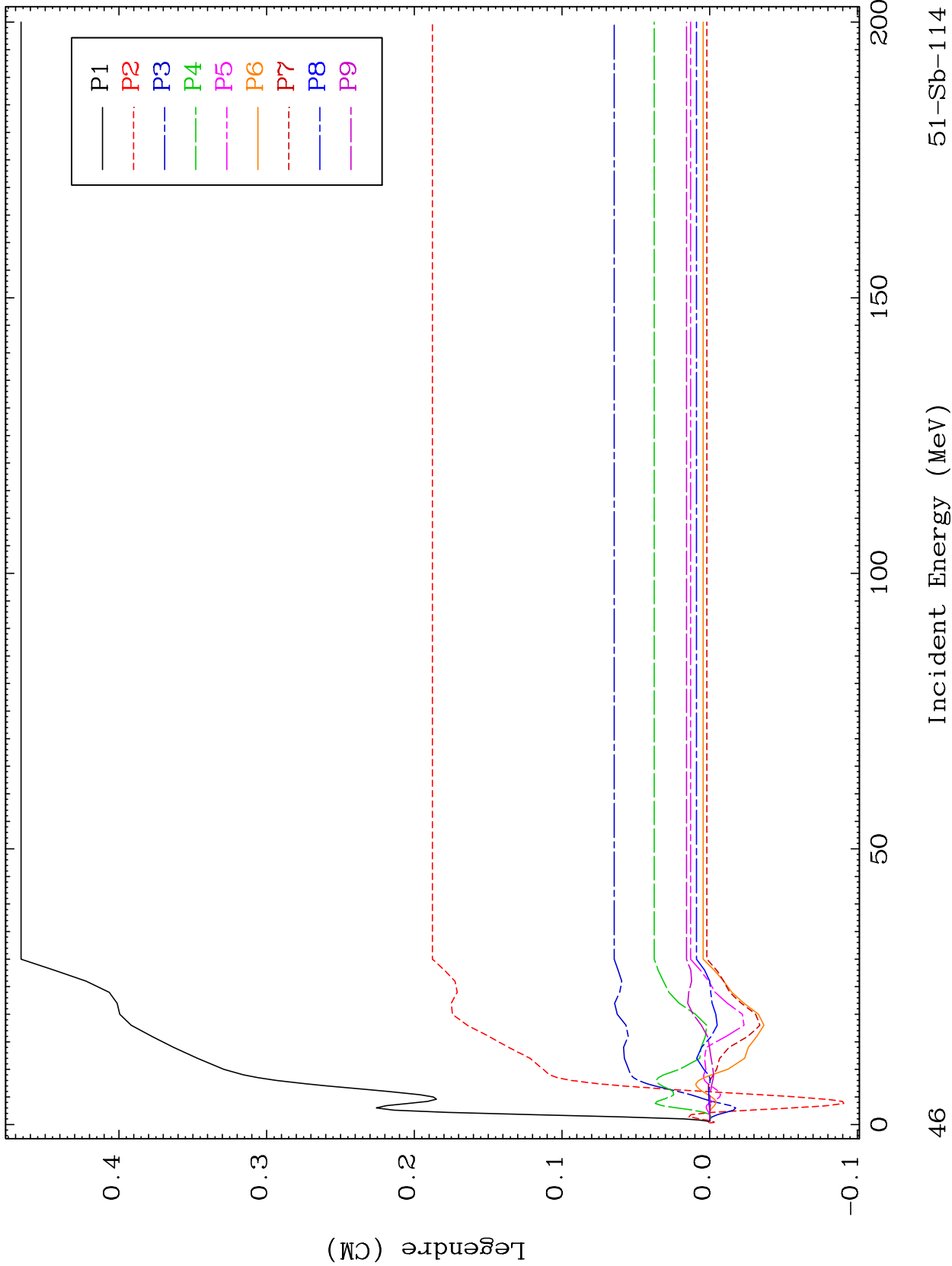
51-Sb-114



MAT 5104

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

51-Sb-114



51-Sb-114

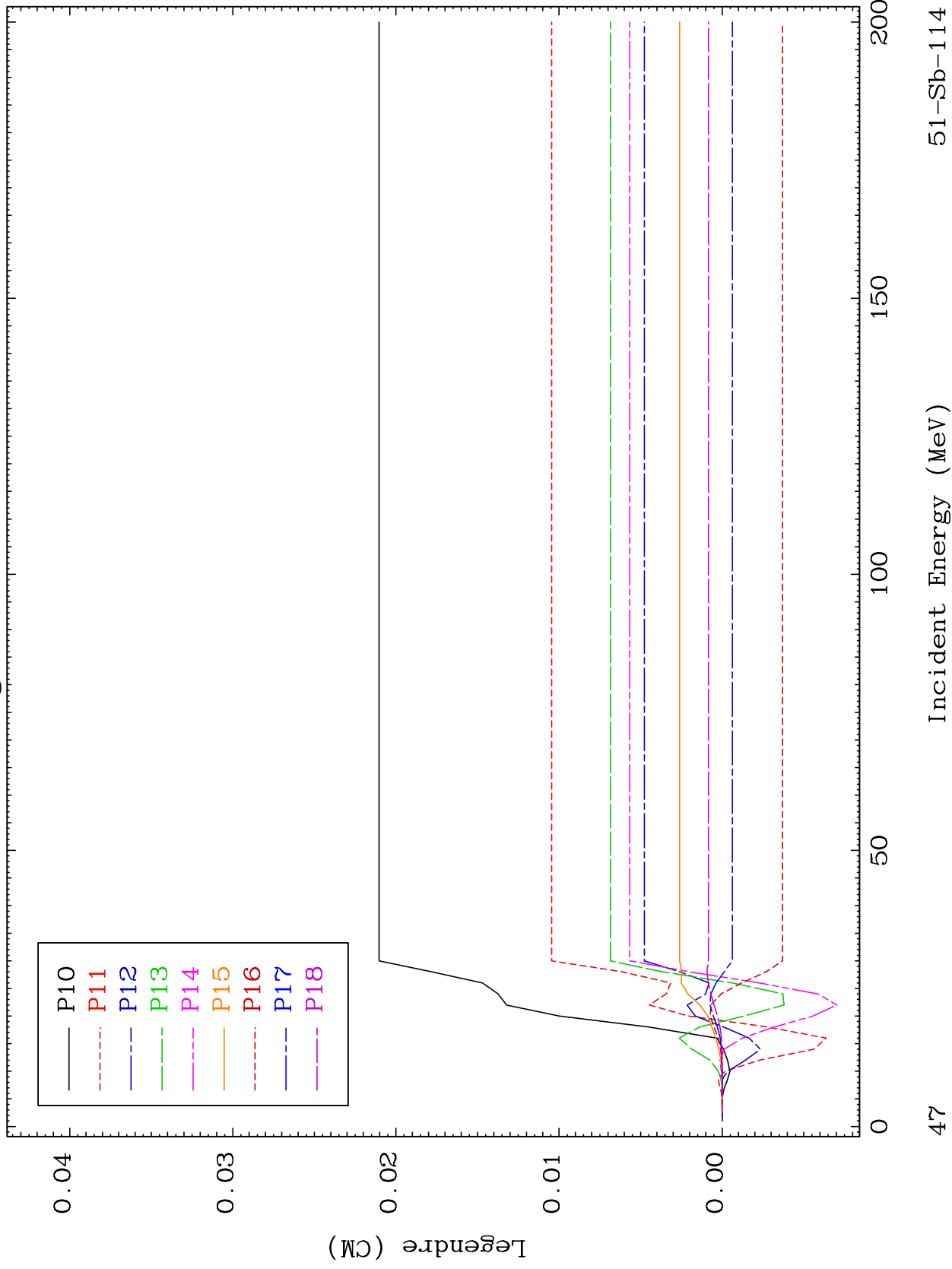
Incident Energy (MeV)

46

MAT 5104

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

51-Sb-114



47

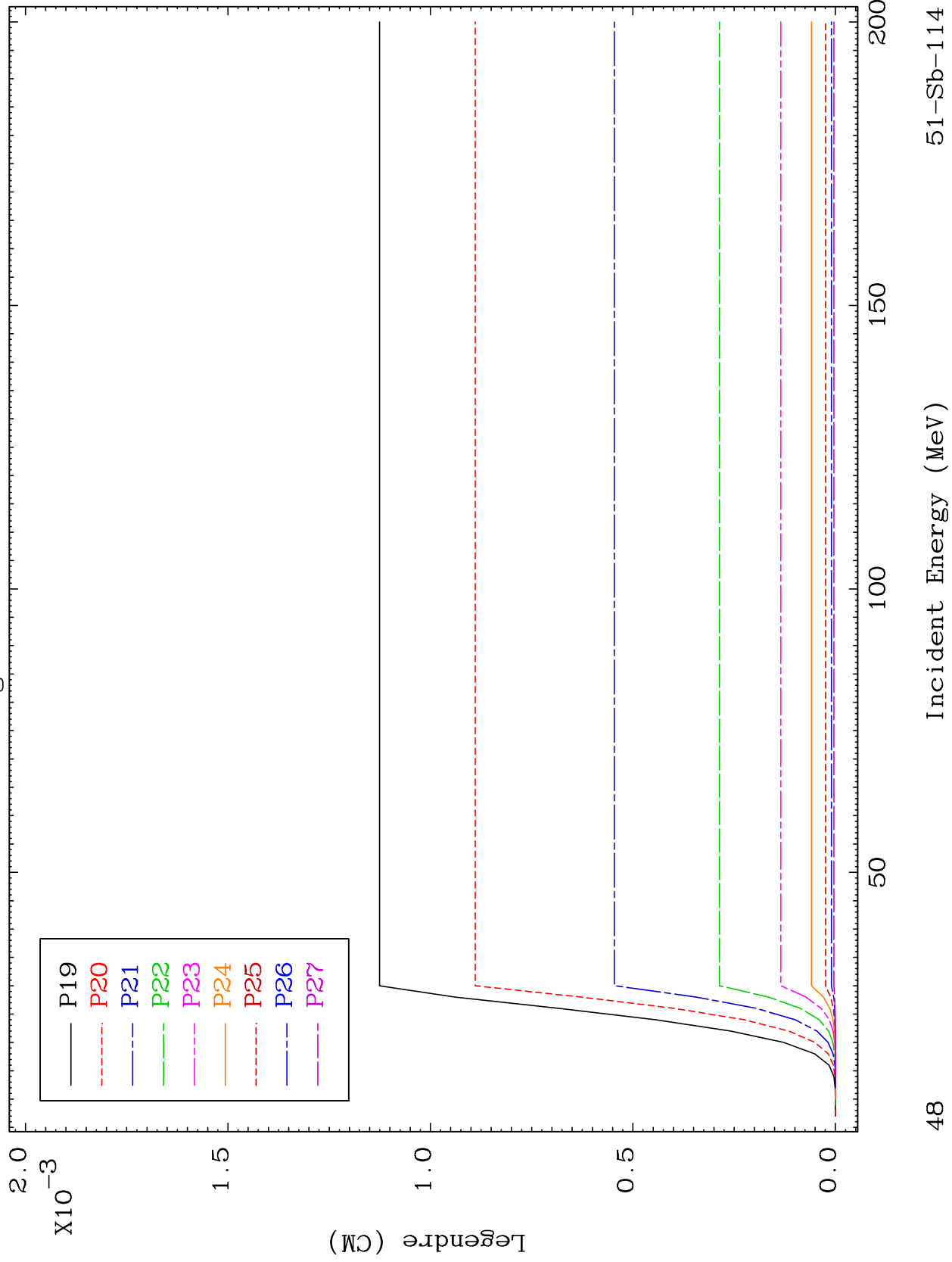
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

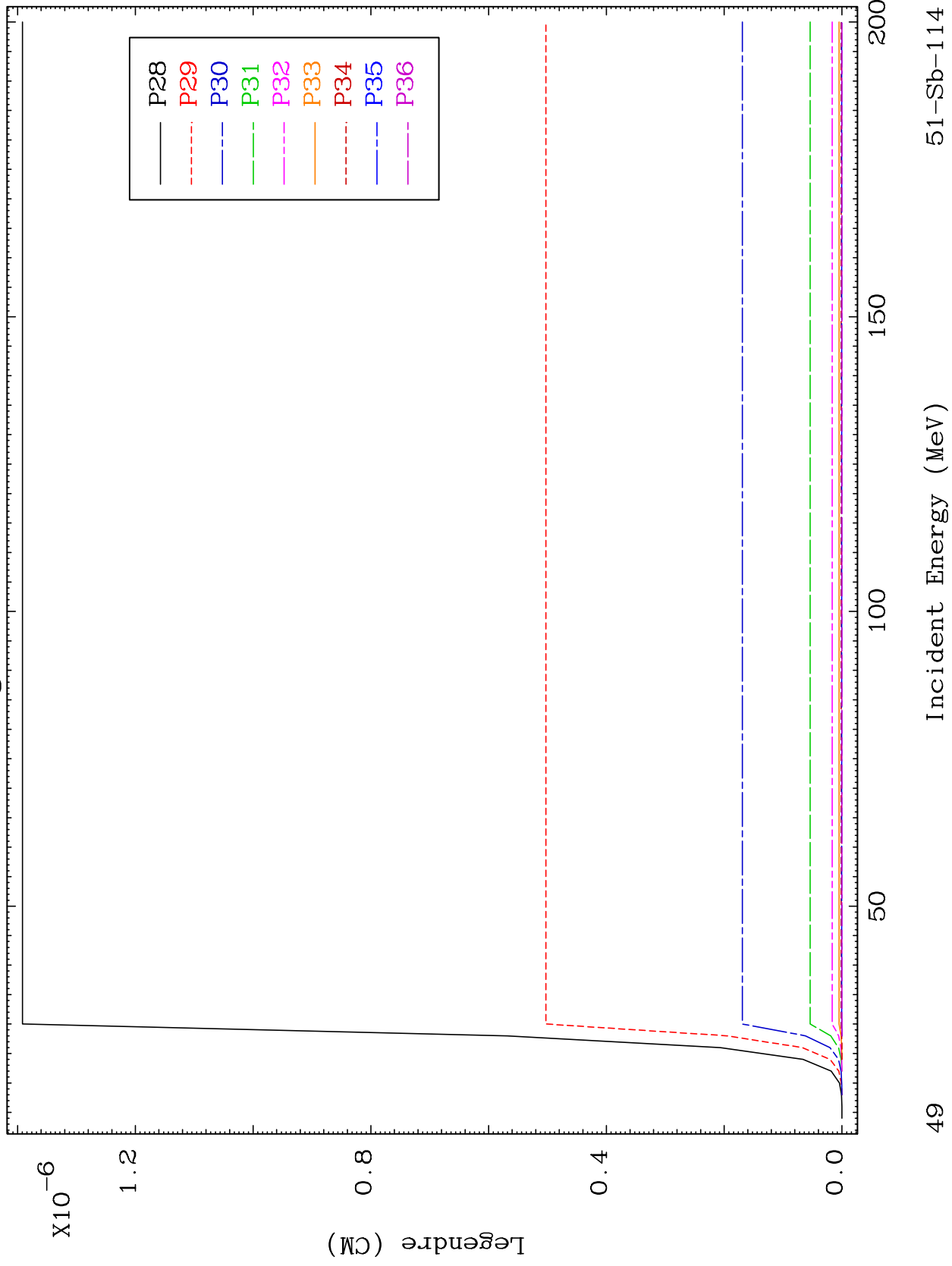
51-Sb-114



MAT 5104

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

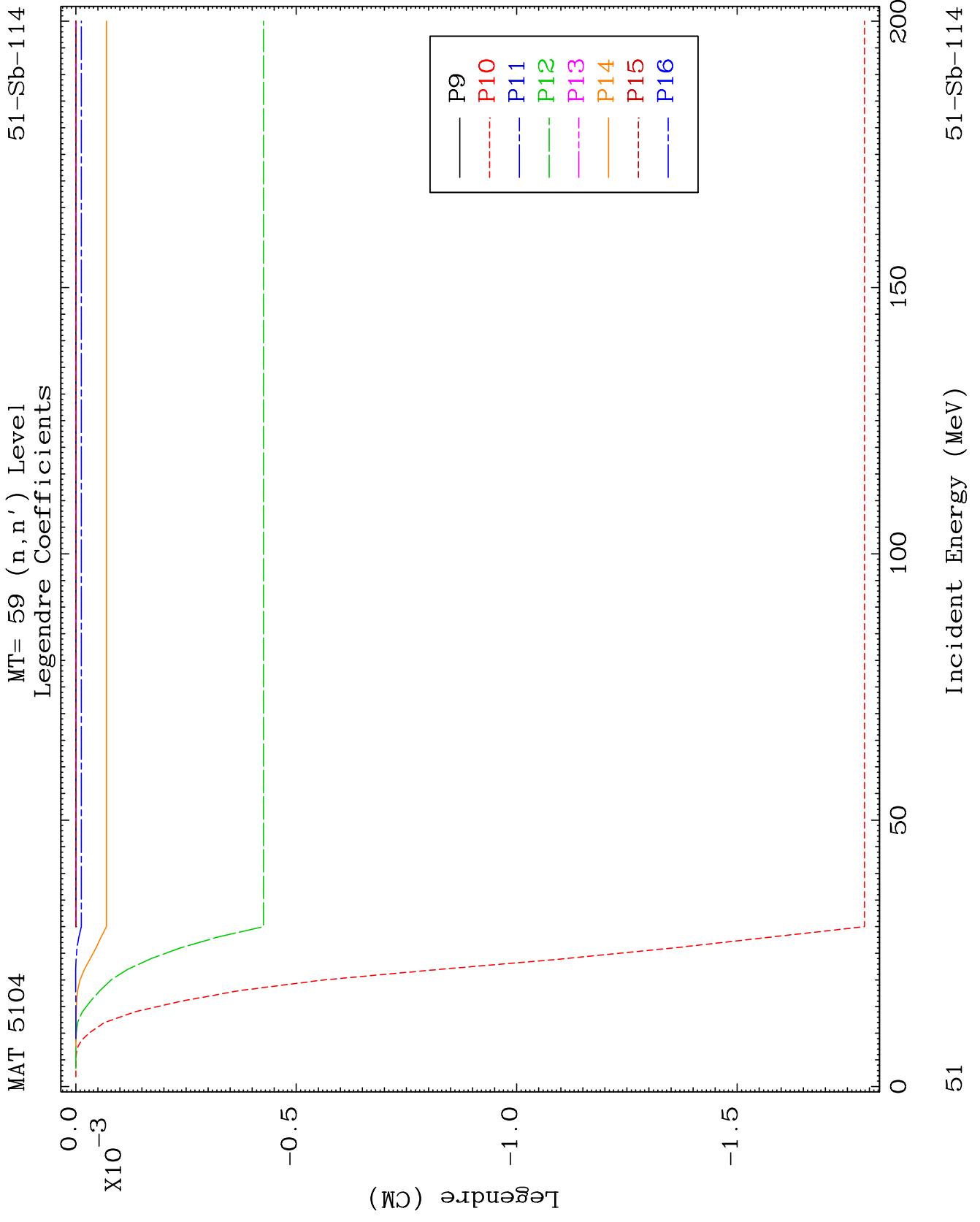
51-Sb-114



49

Incident Energy (MeV)

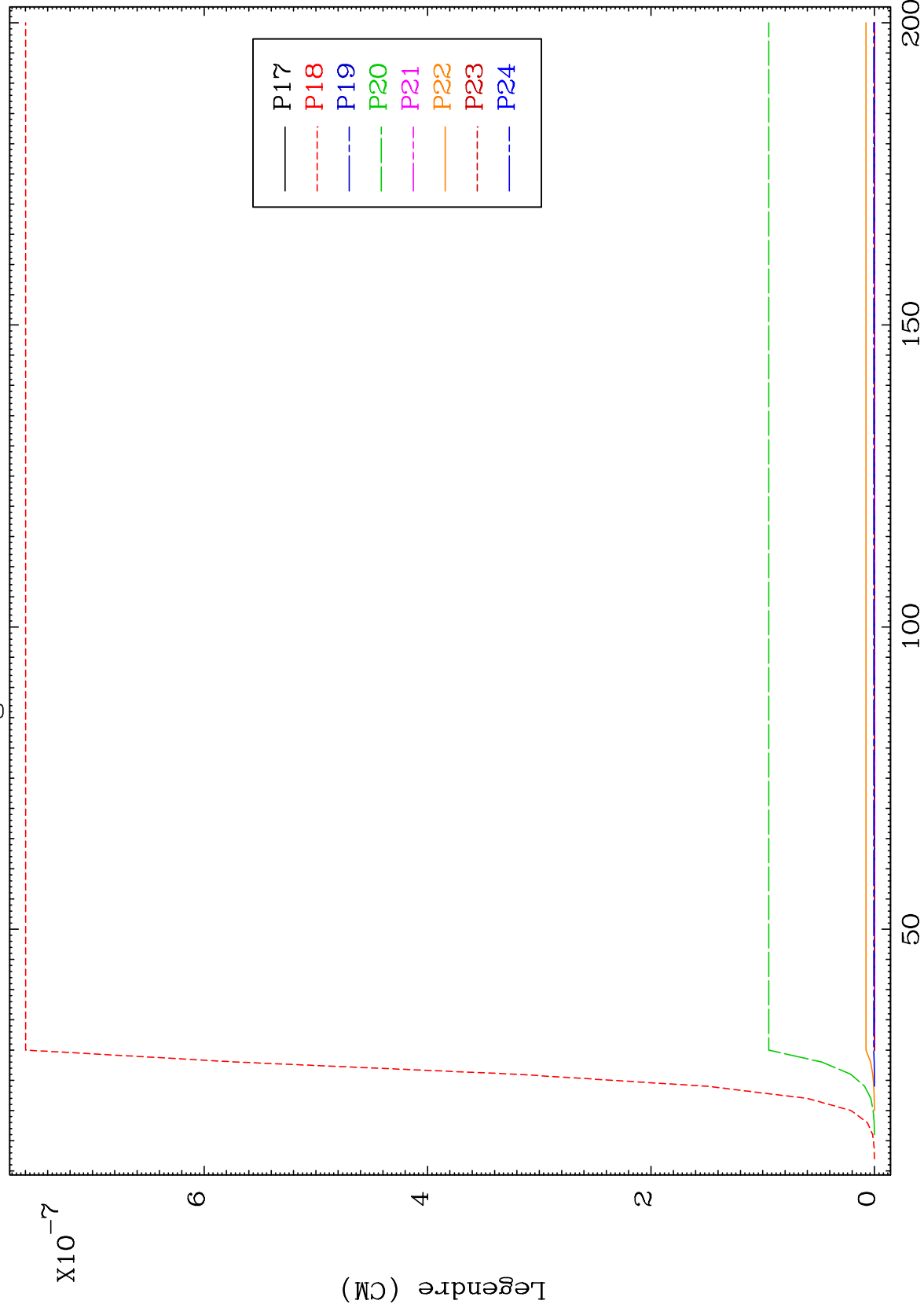
51-Sb-114



MAT 5104

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

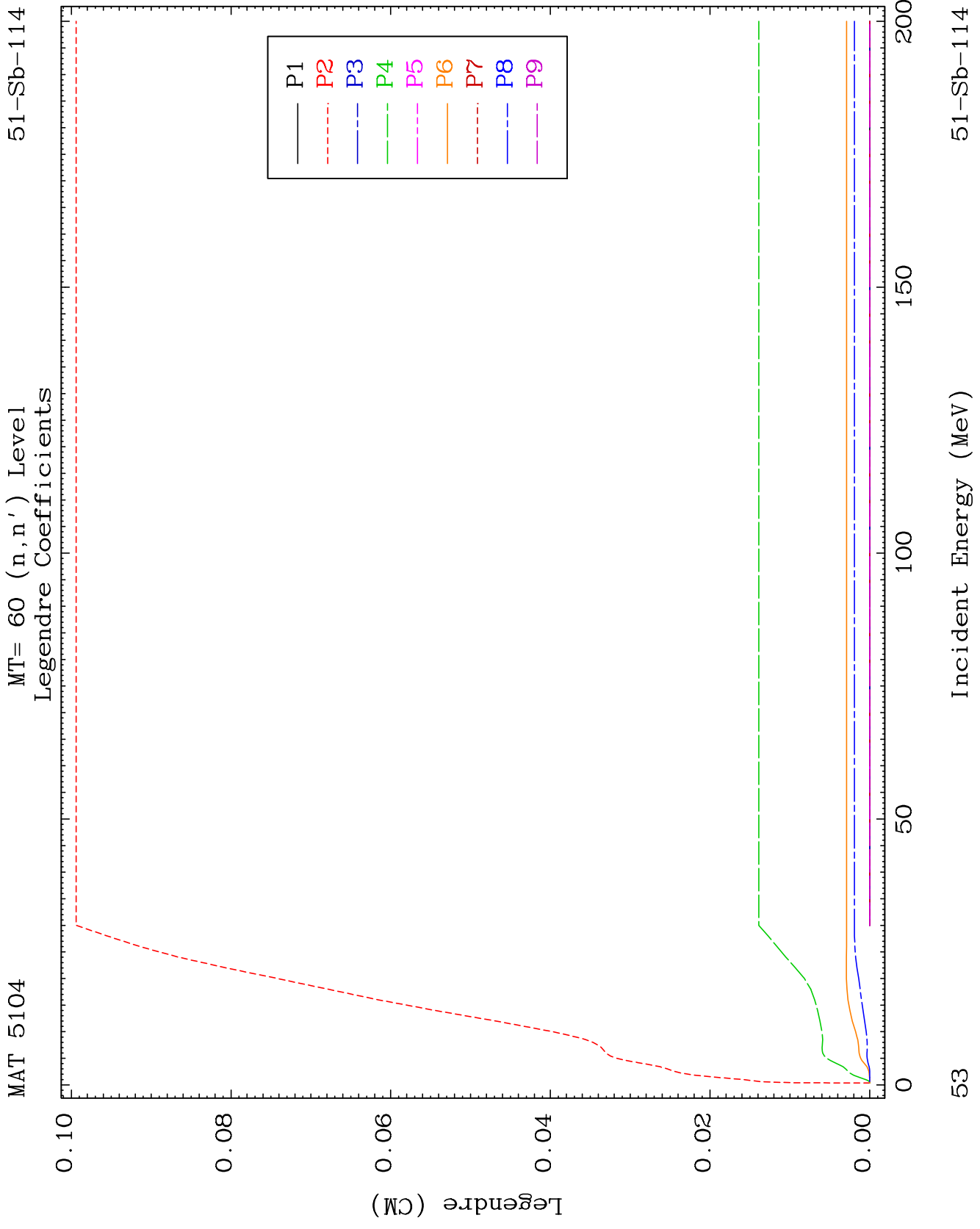
51-Sb-114

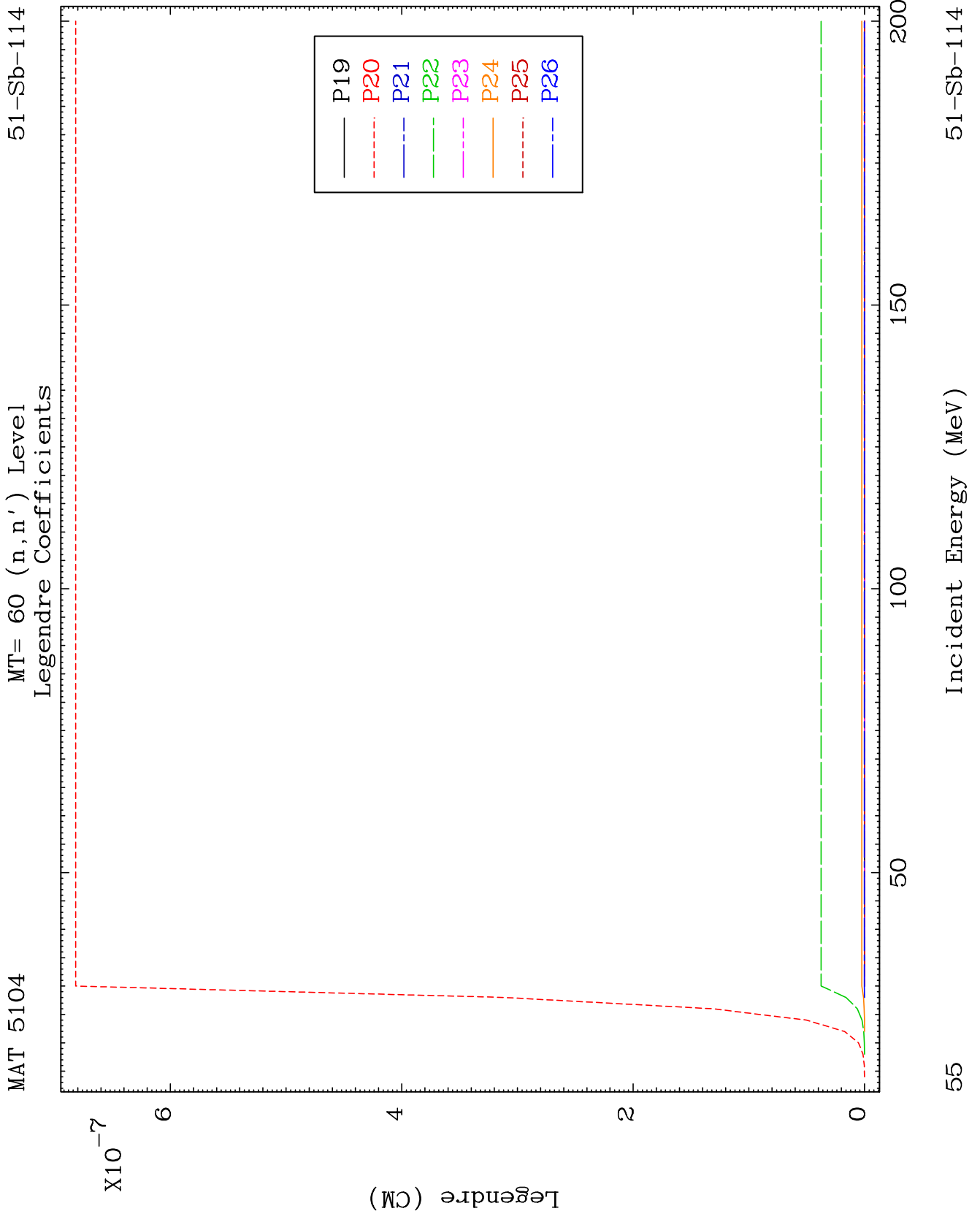


51-Sb-114

Incident Energy (MeV)

52

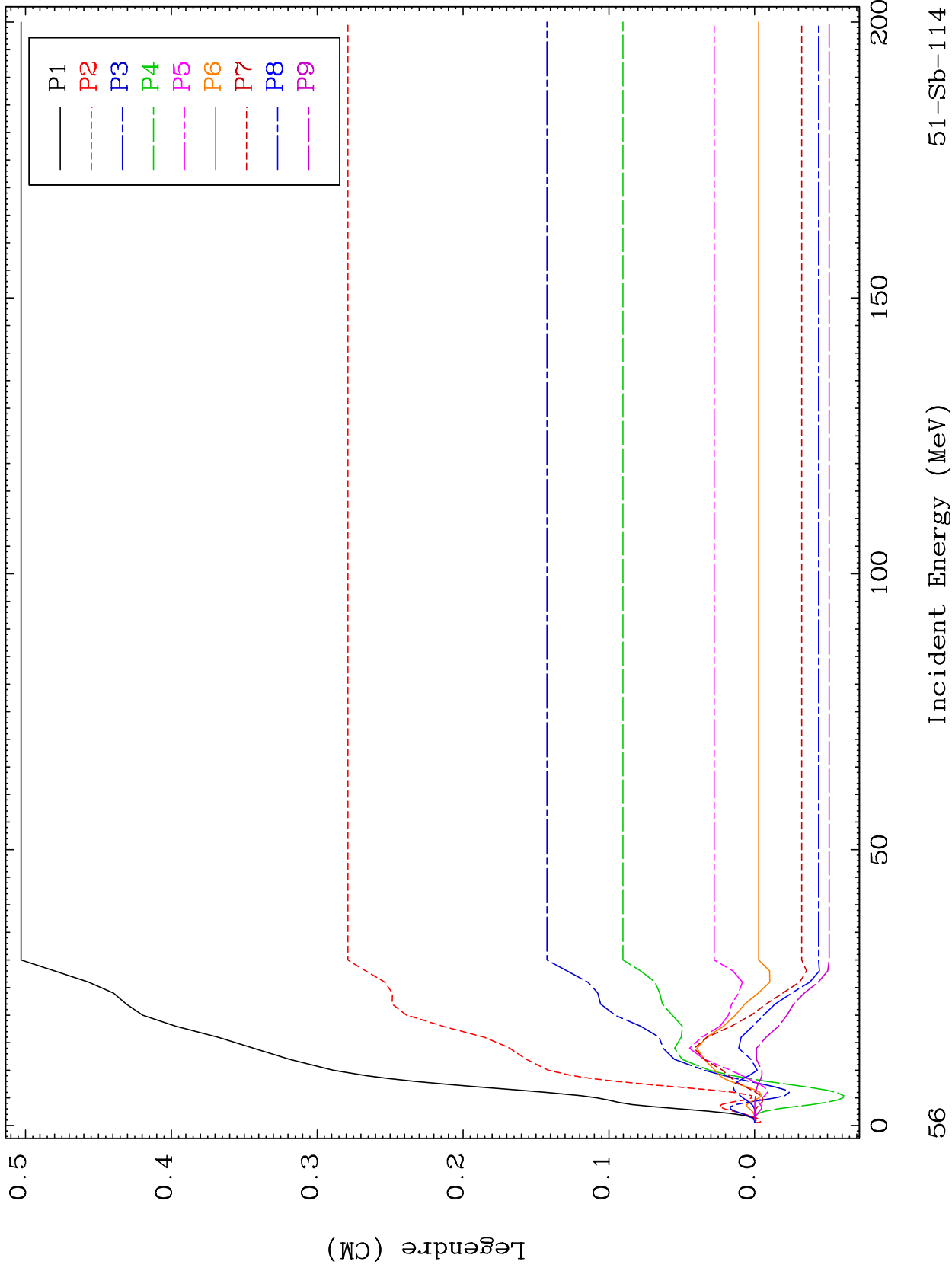




MAT 5104

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

51-Sb-114



51-Sb-114

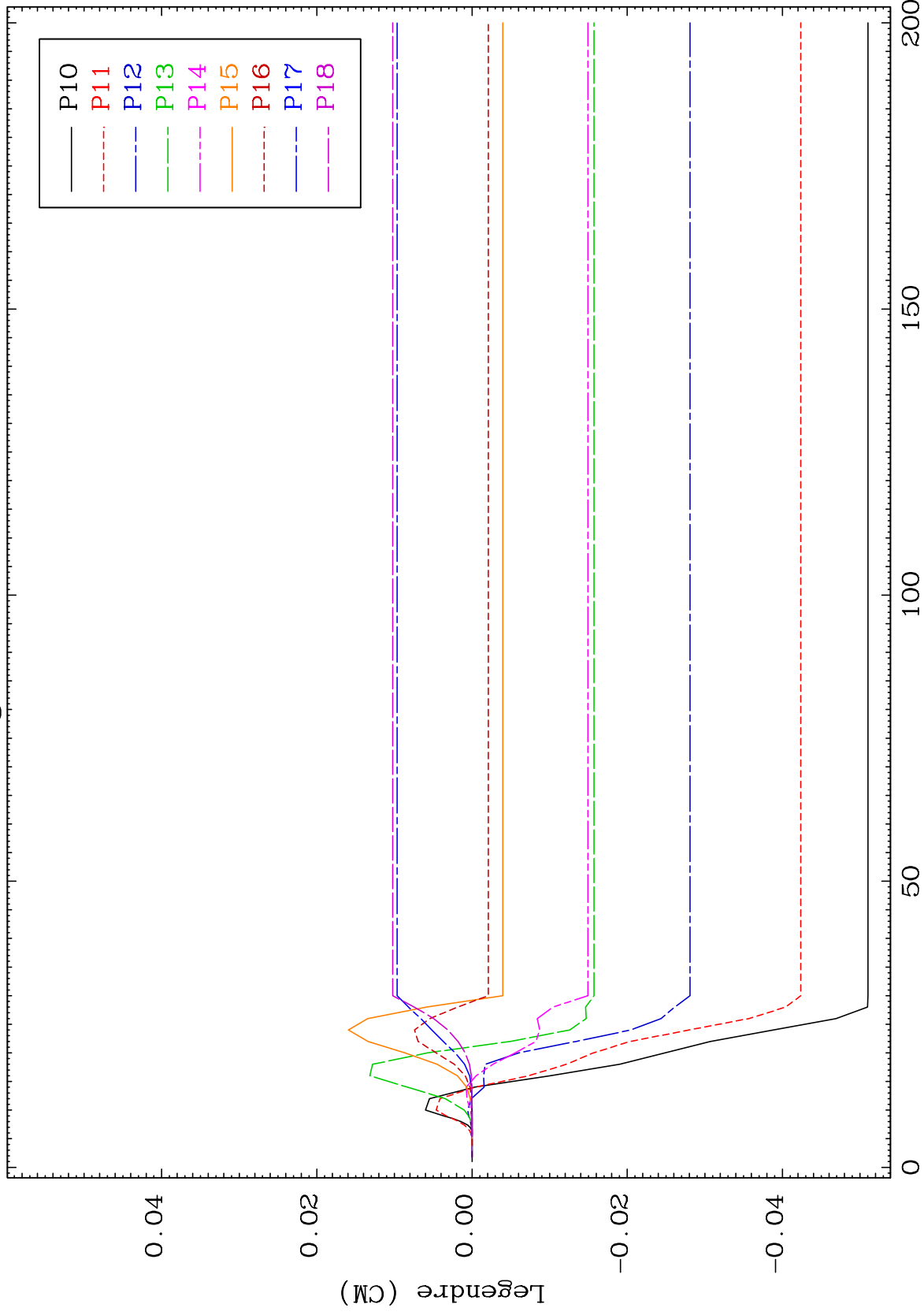
Incident Energy (MeV)

56

MAT 5104

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

51-Sb-114



57

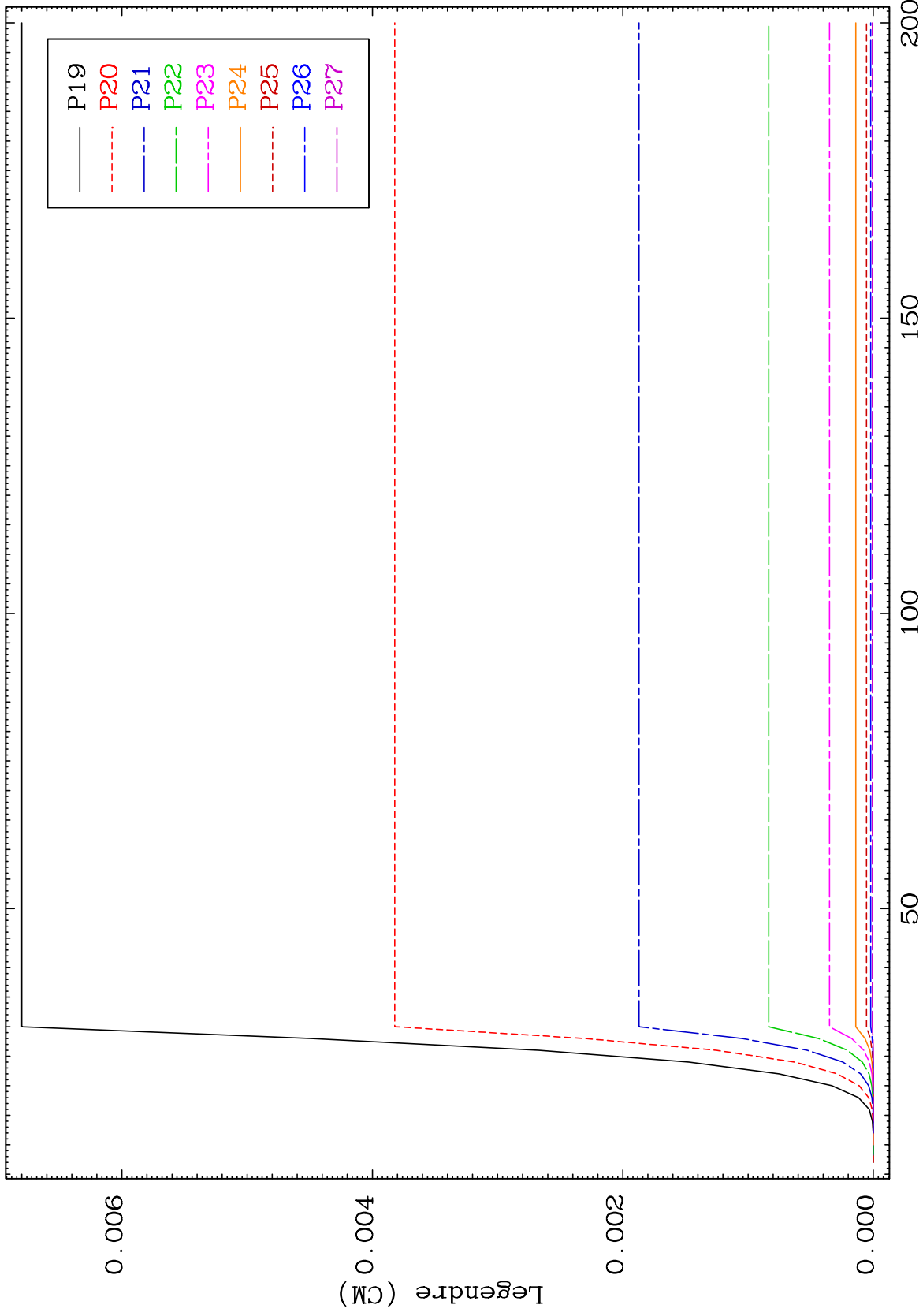
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



58

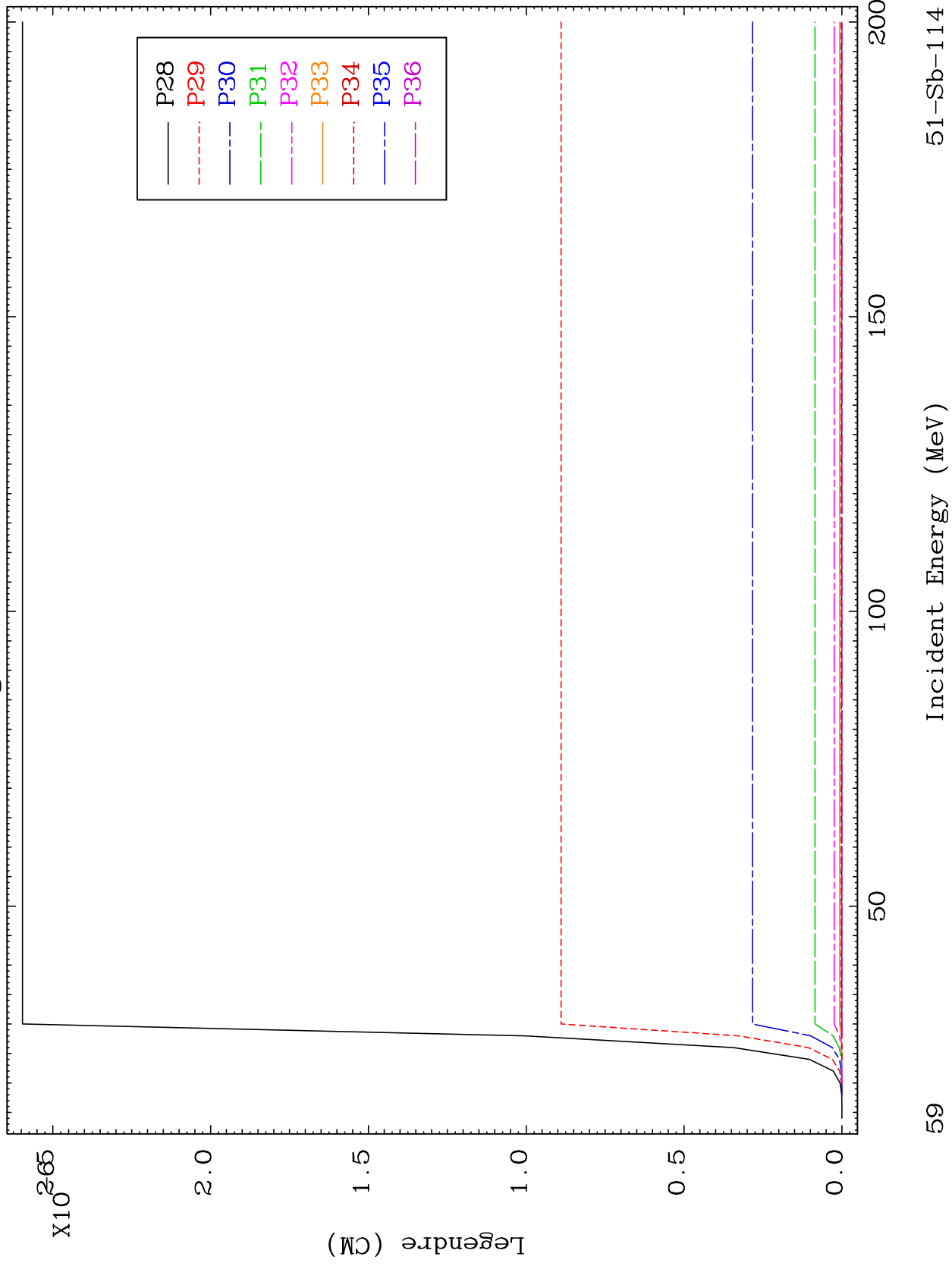
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



59

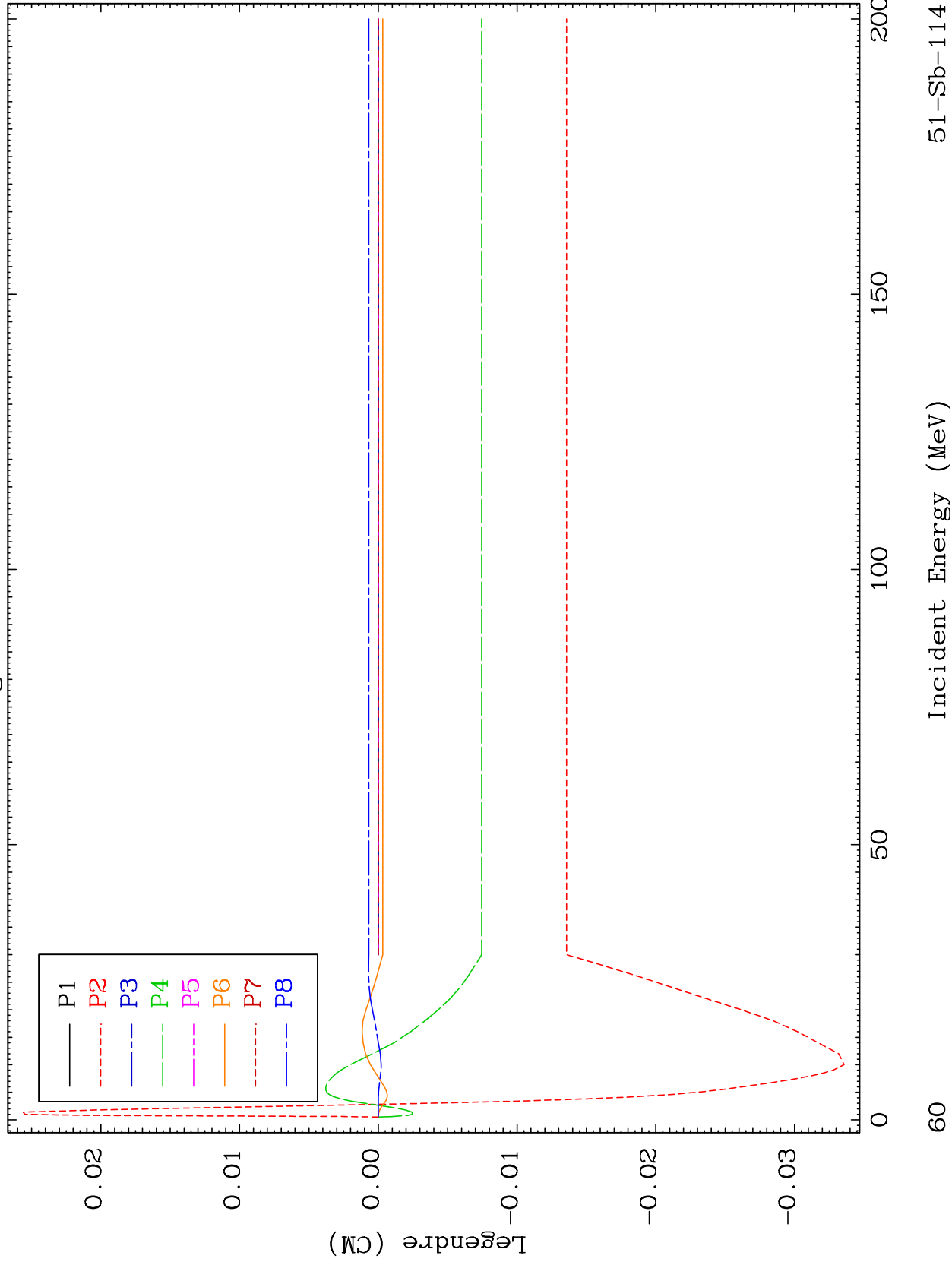
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



51-Sb-114

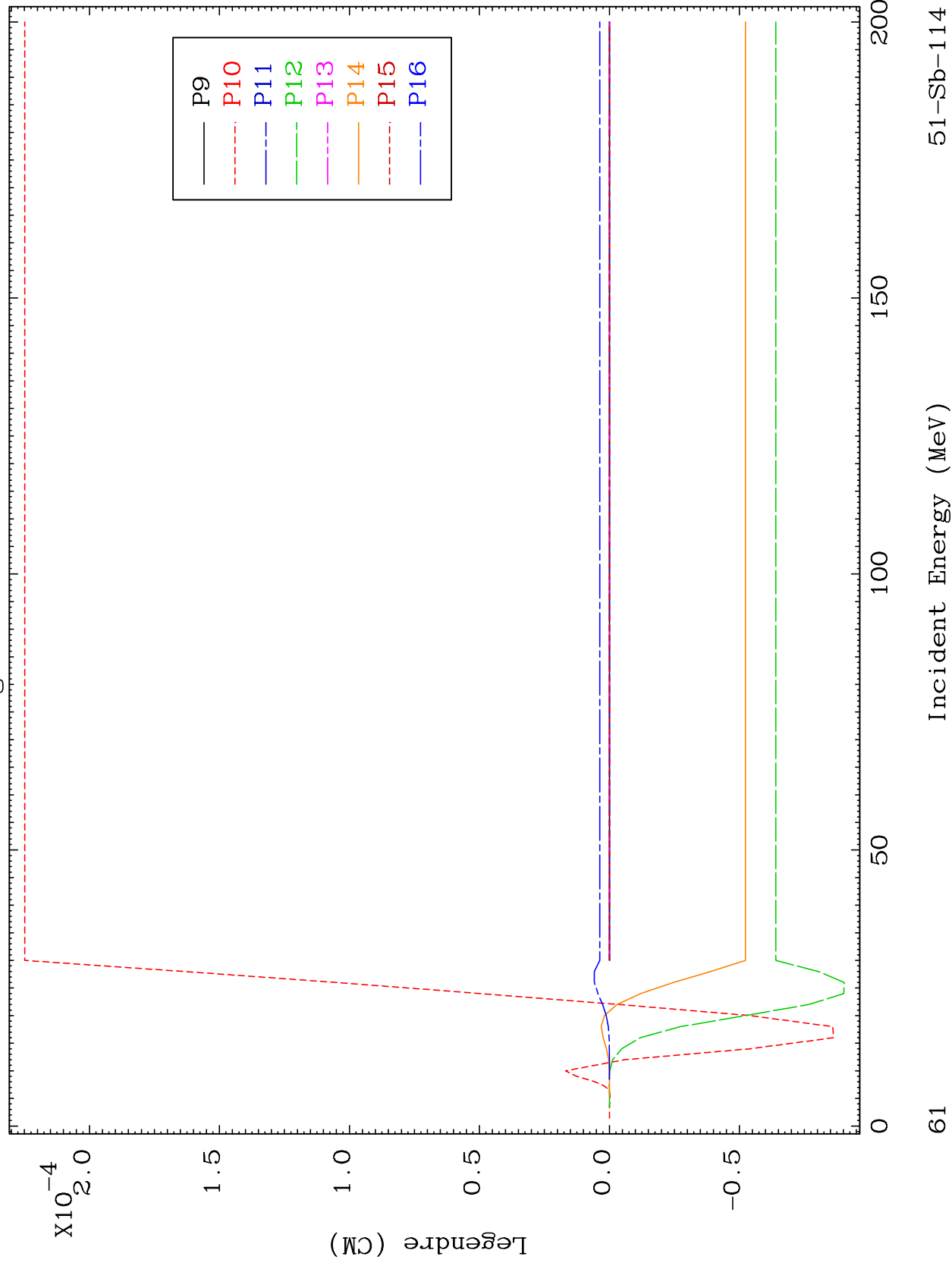
Incident Energy (MeV)

60

MAT 5104

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

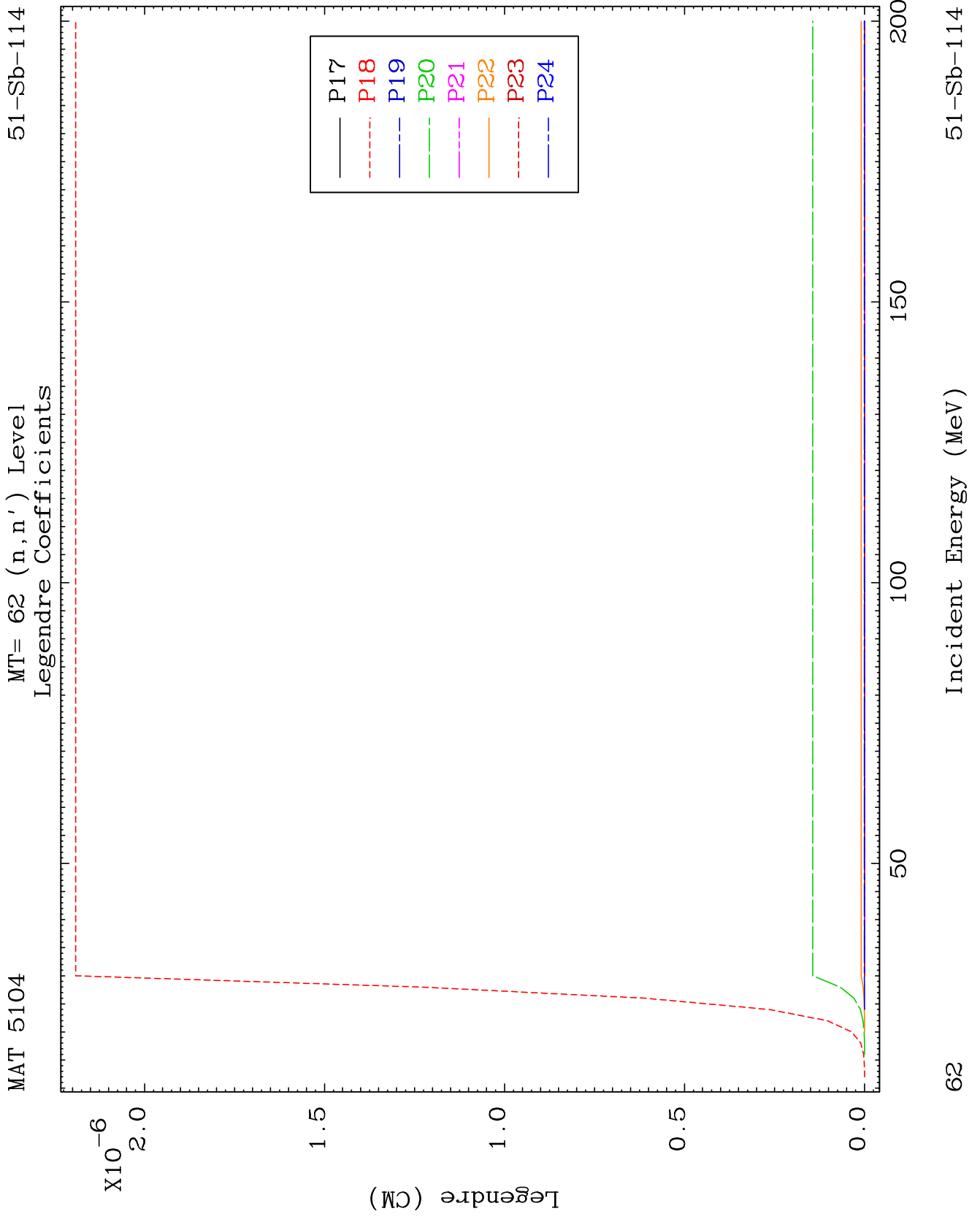
51-Sb-114



61

Incident Energy (MeV)

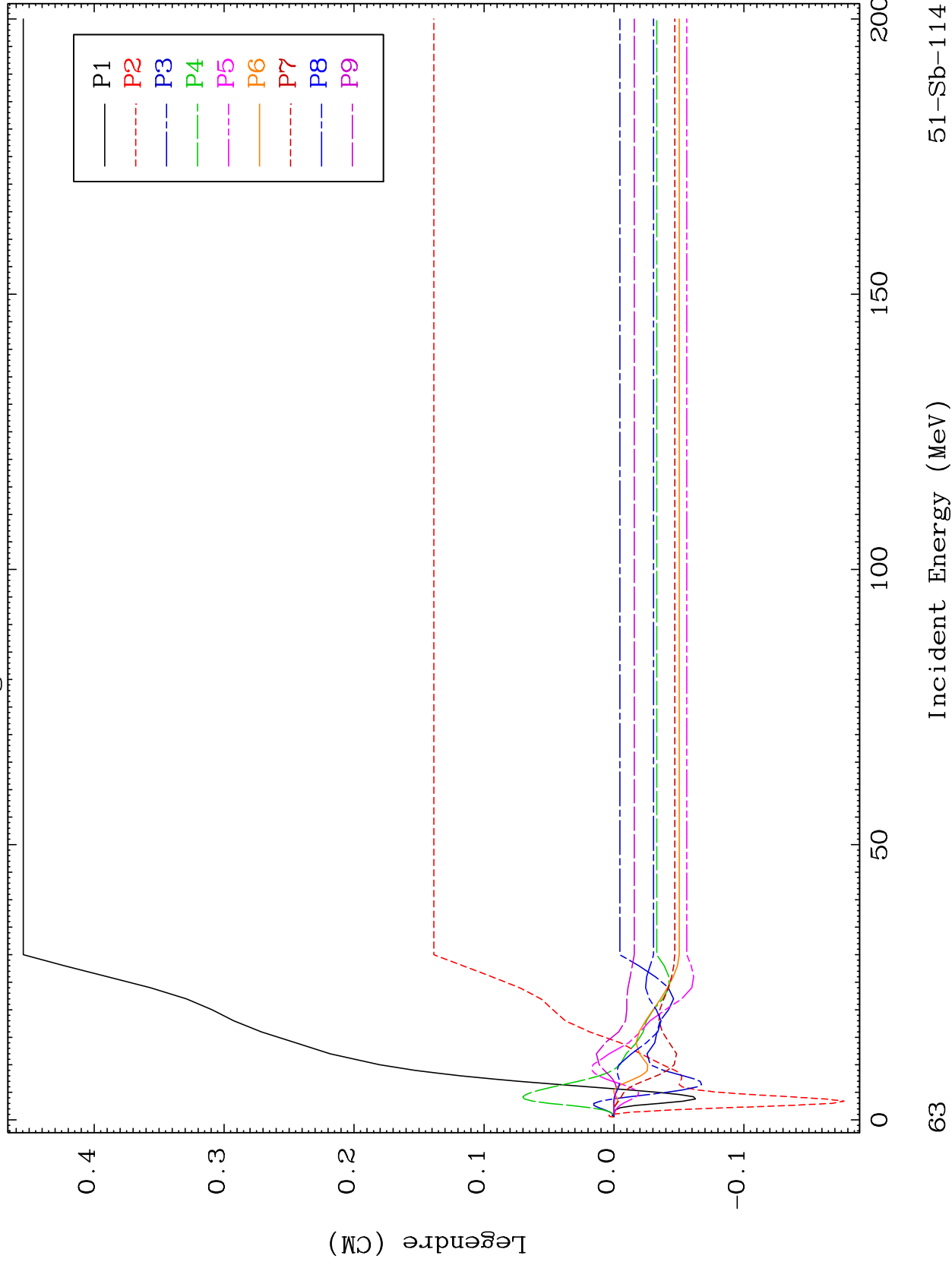
51-Sb-114



MAT 5104

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

51-Sb-114



63

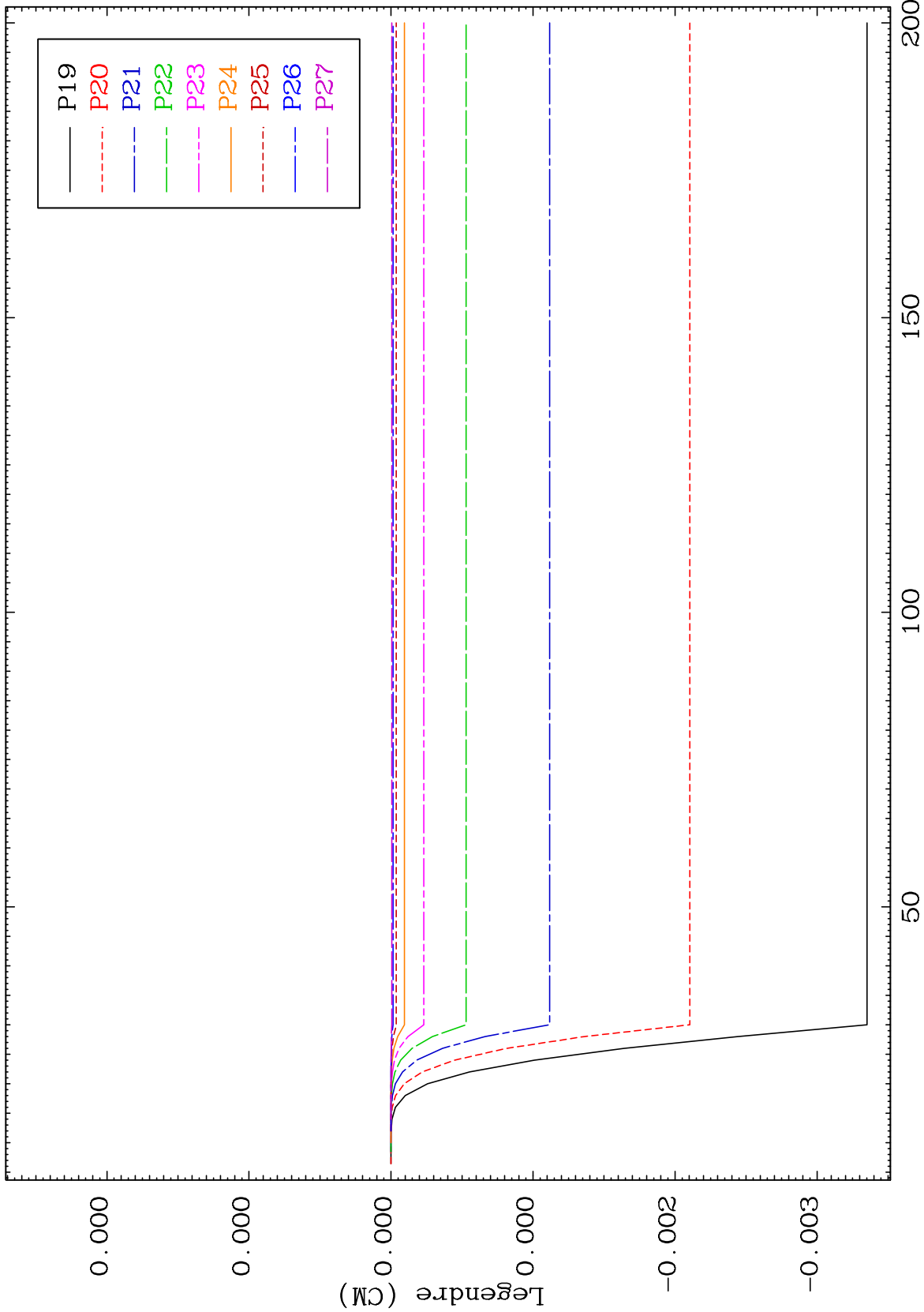
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

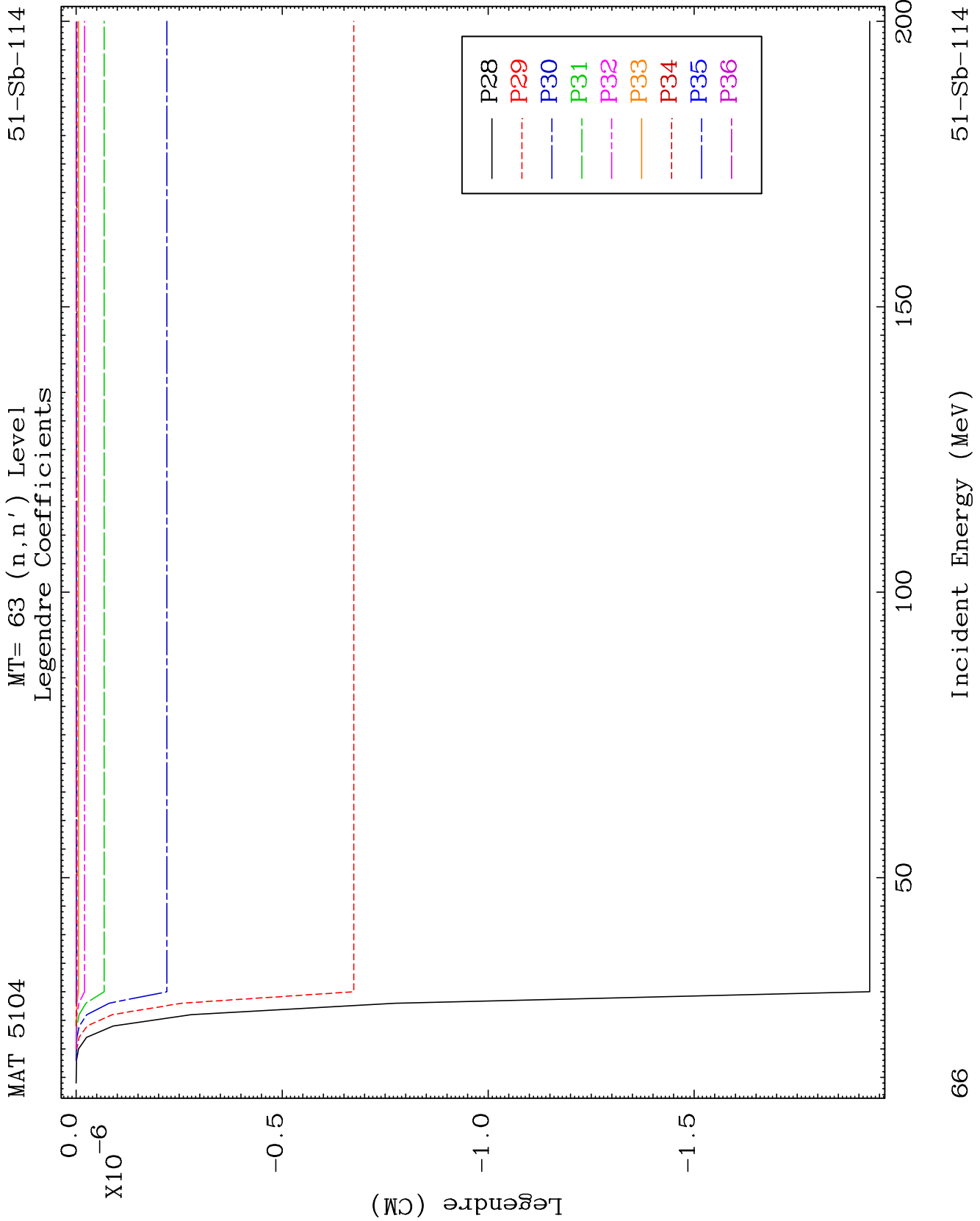
51-Sb-114



65

Incident Energy (MeV)

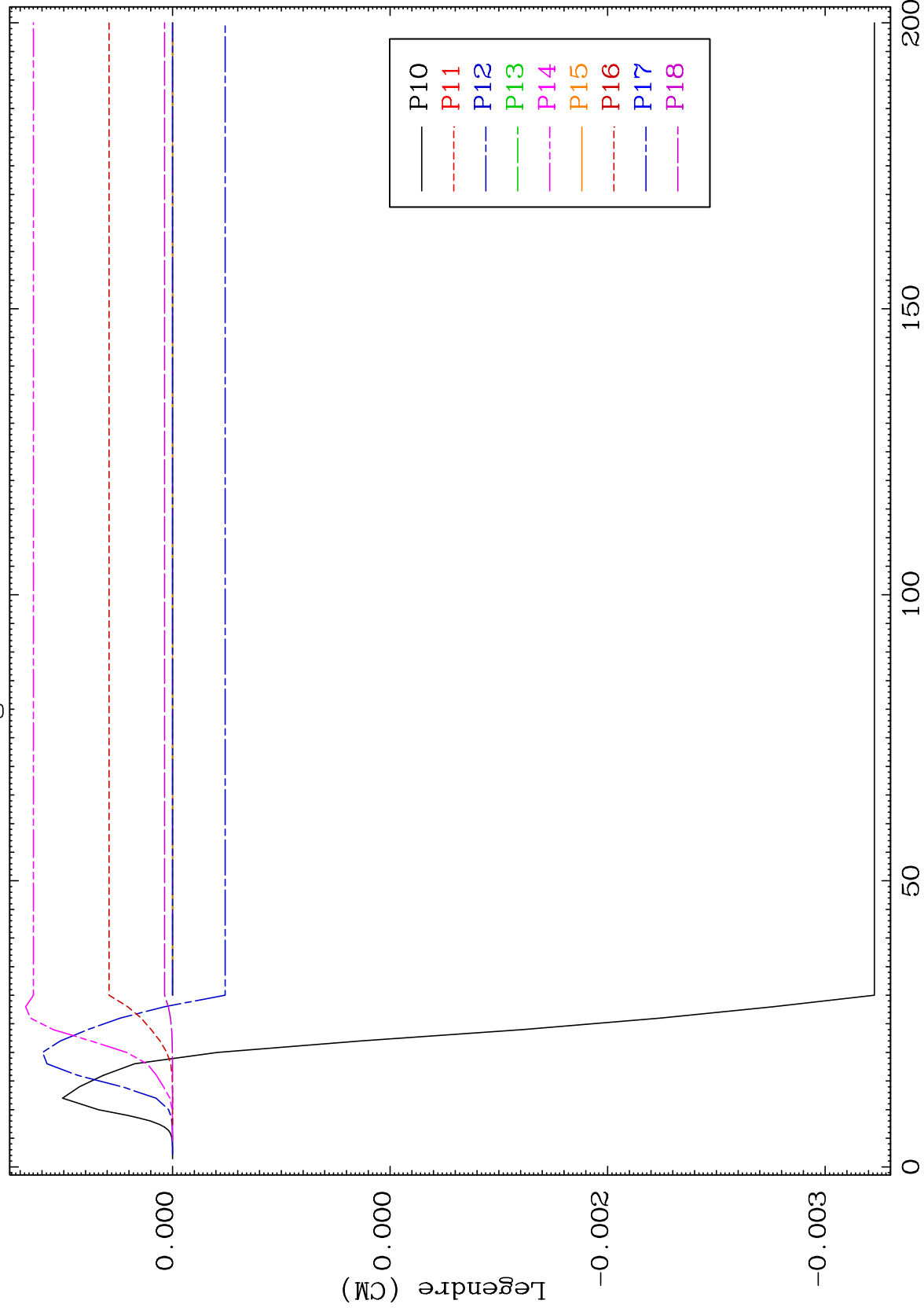
51-Sb-114



MAT 5104

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

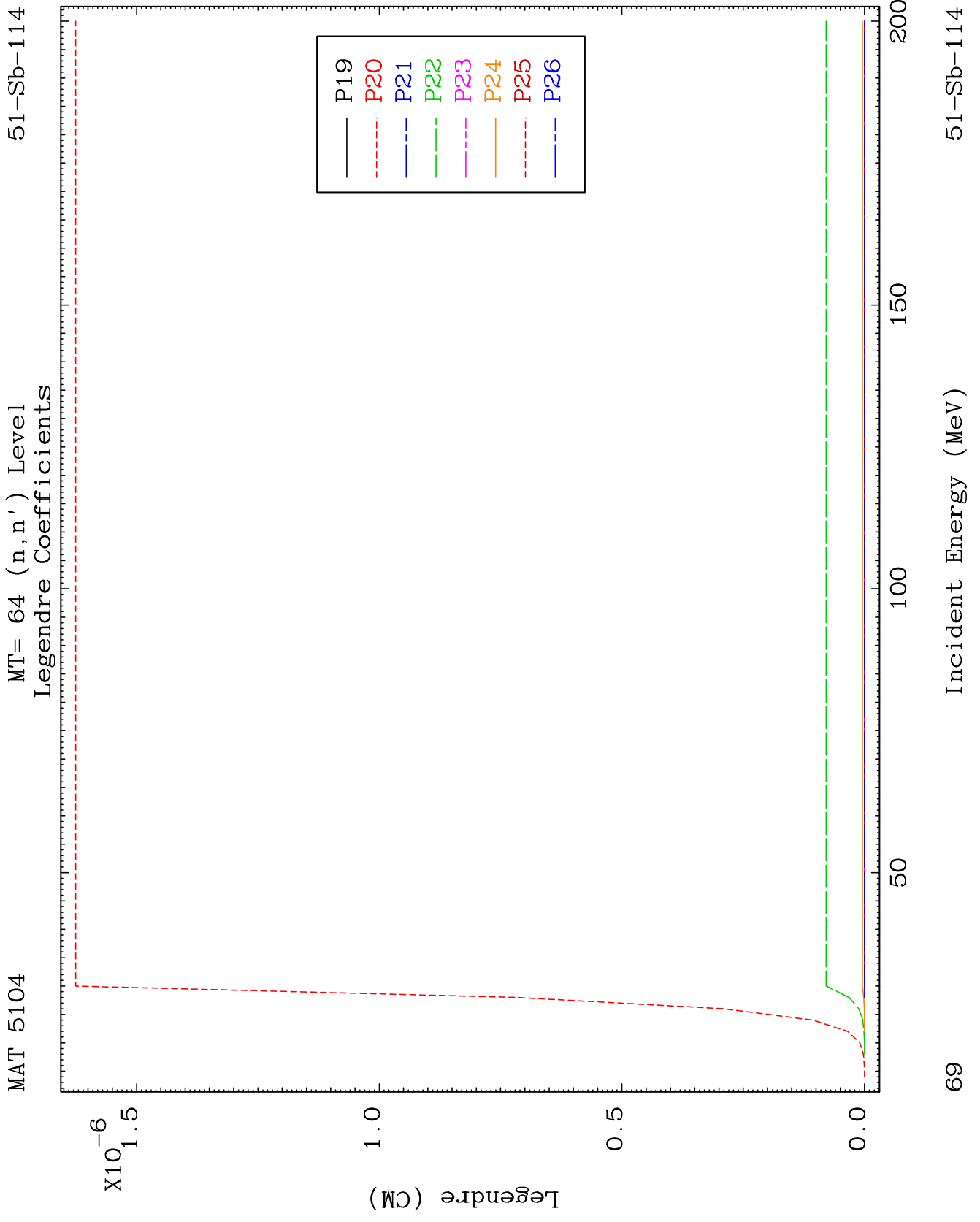
51-Sb-114



68

Incident Energy (MeV)

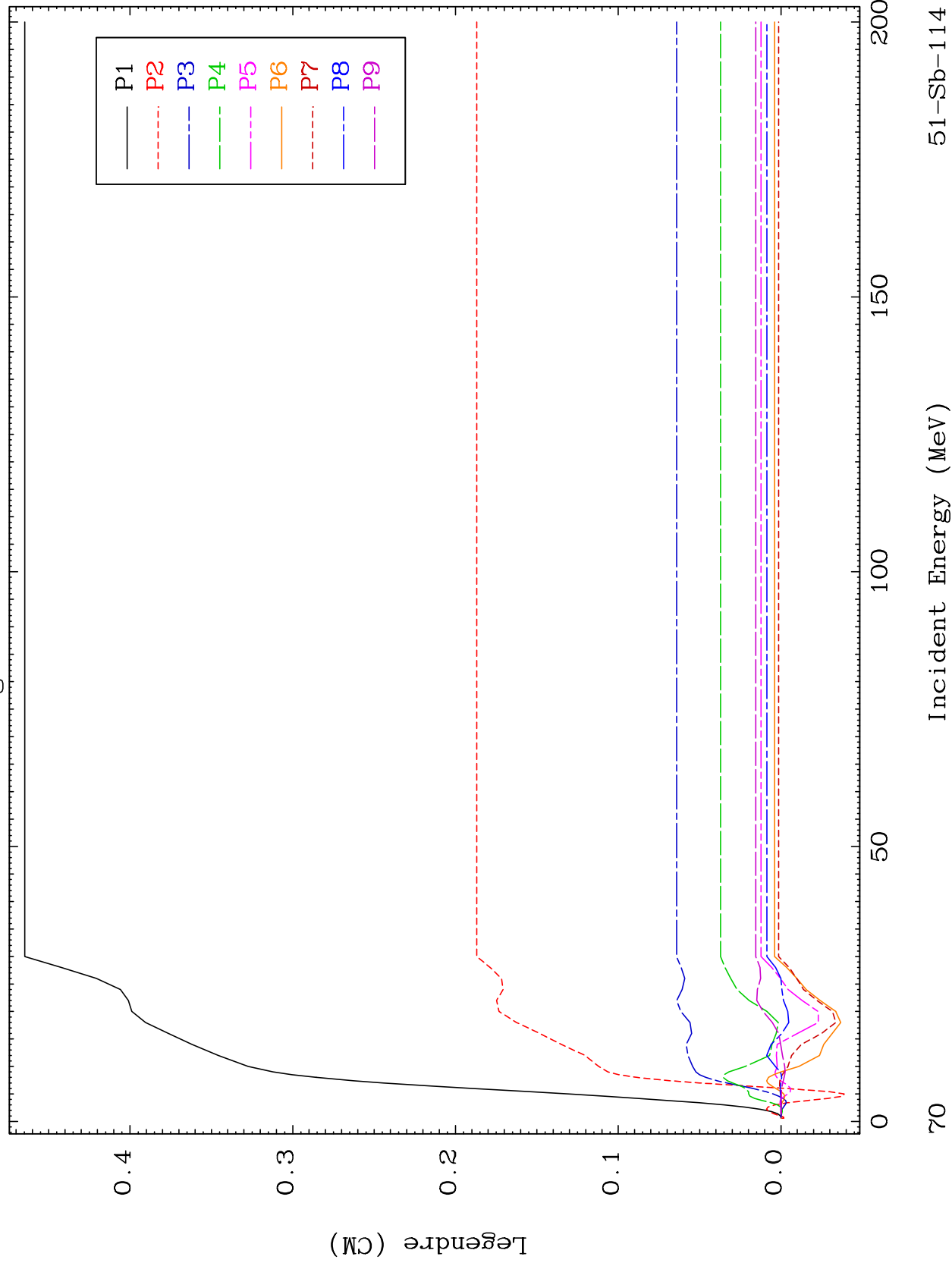
51-Sb-114



MAT 5104

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

51-Sb-114



51-Sb-114

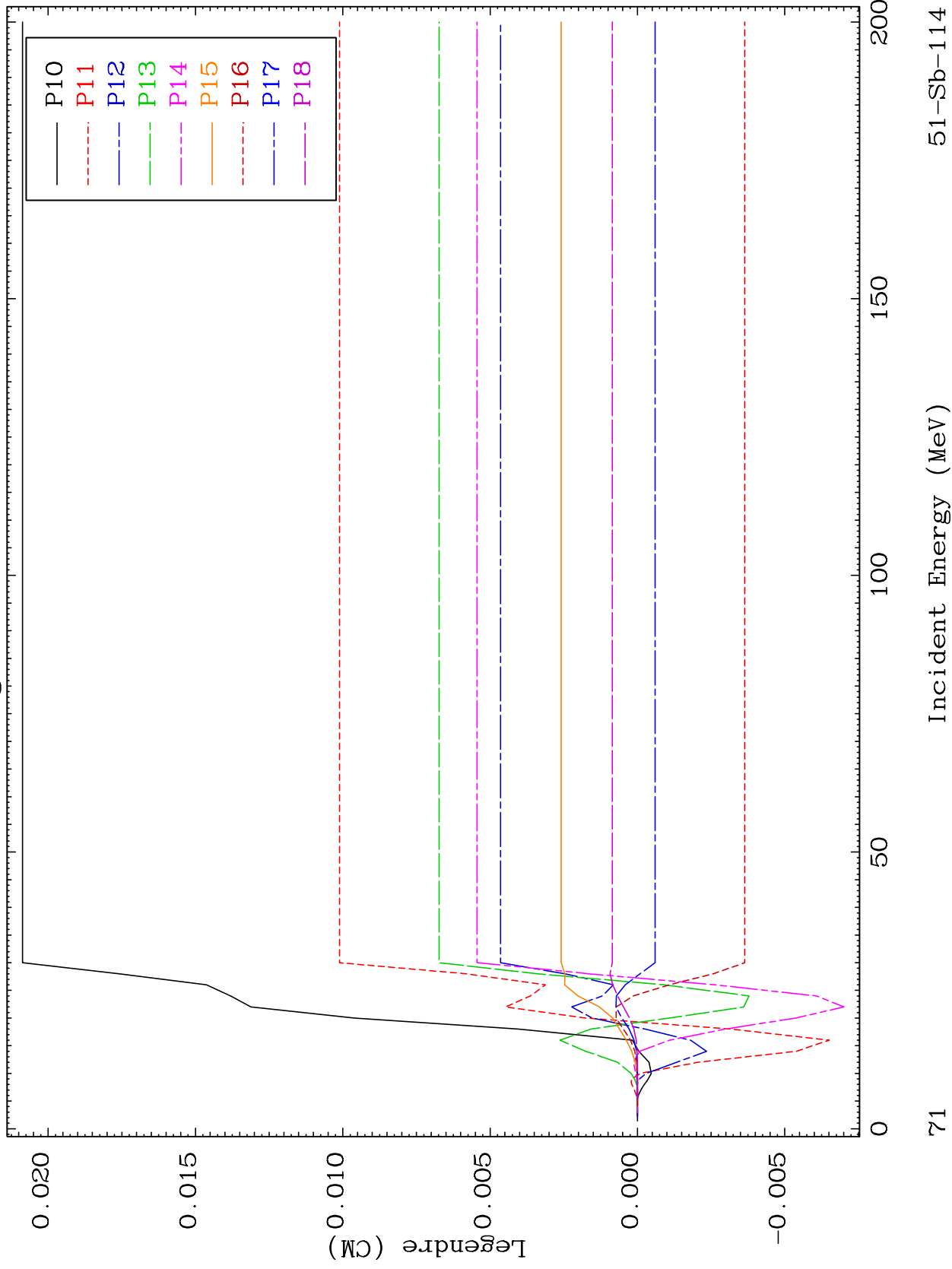
Incident Energy (MeV)

70

MAT 5104

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

51-Sb-114



71

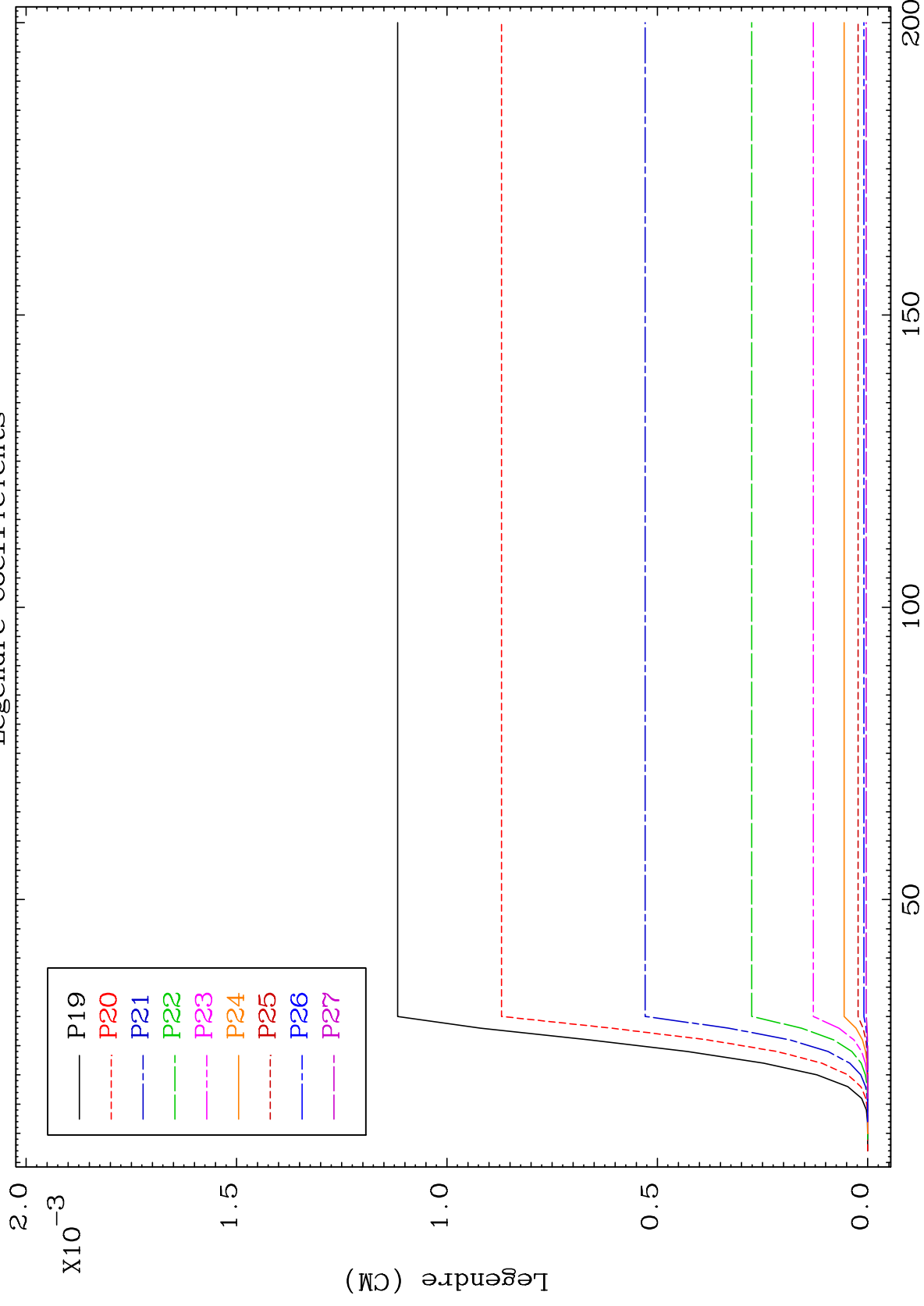
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



72

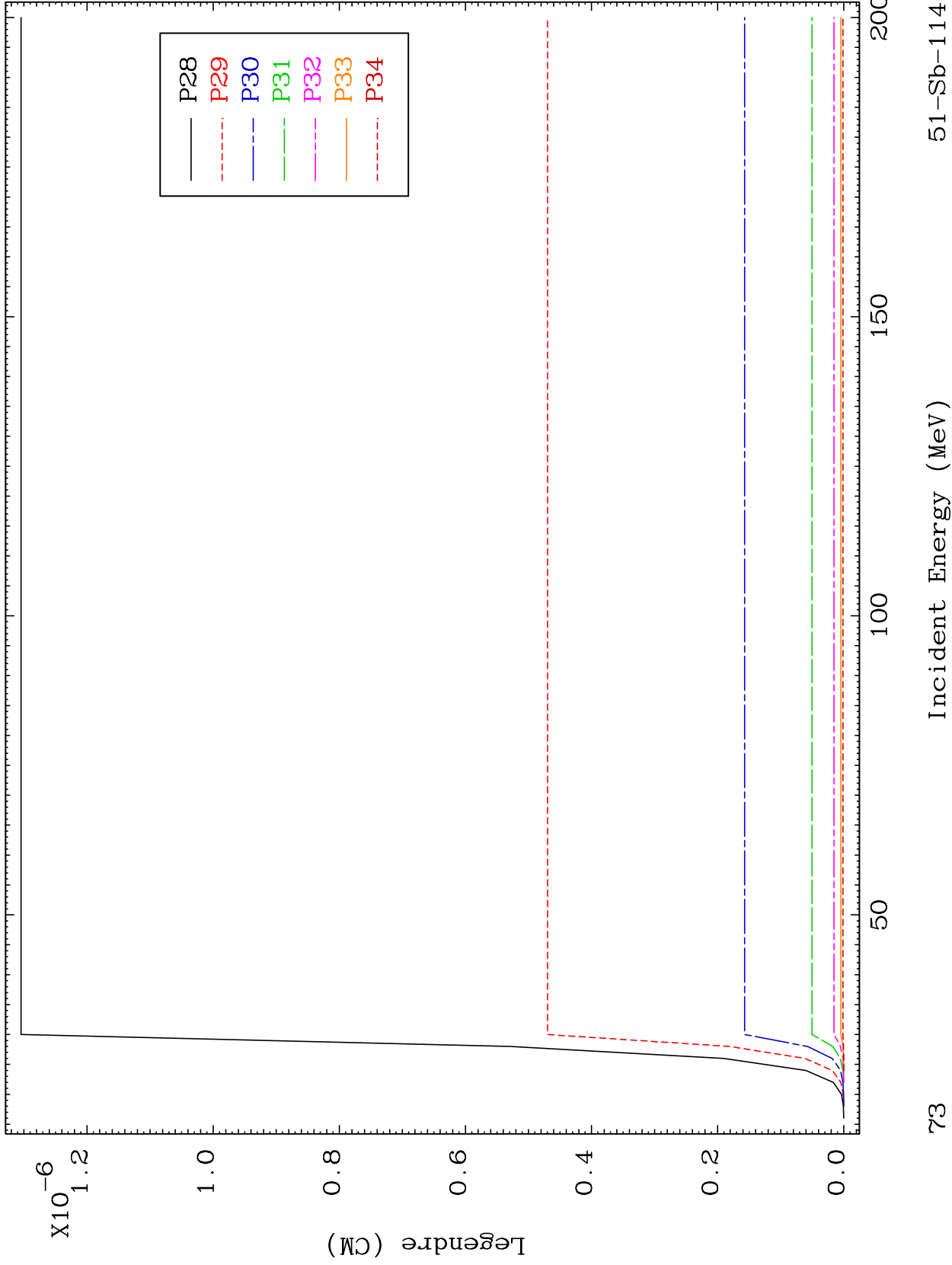
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



73

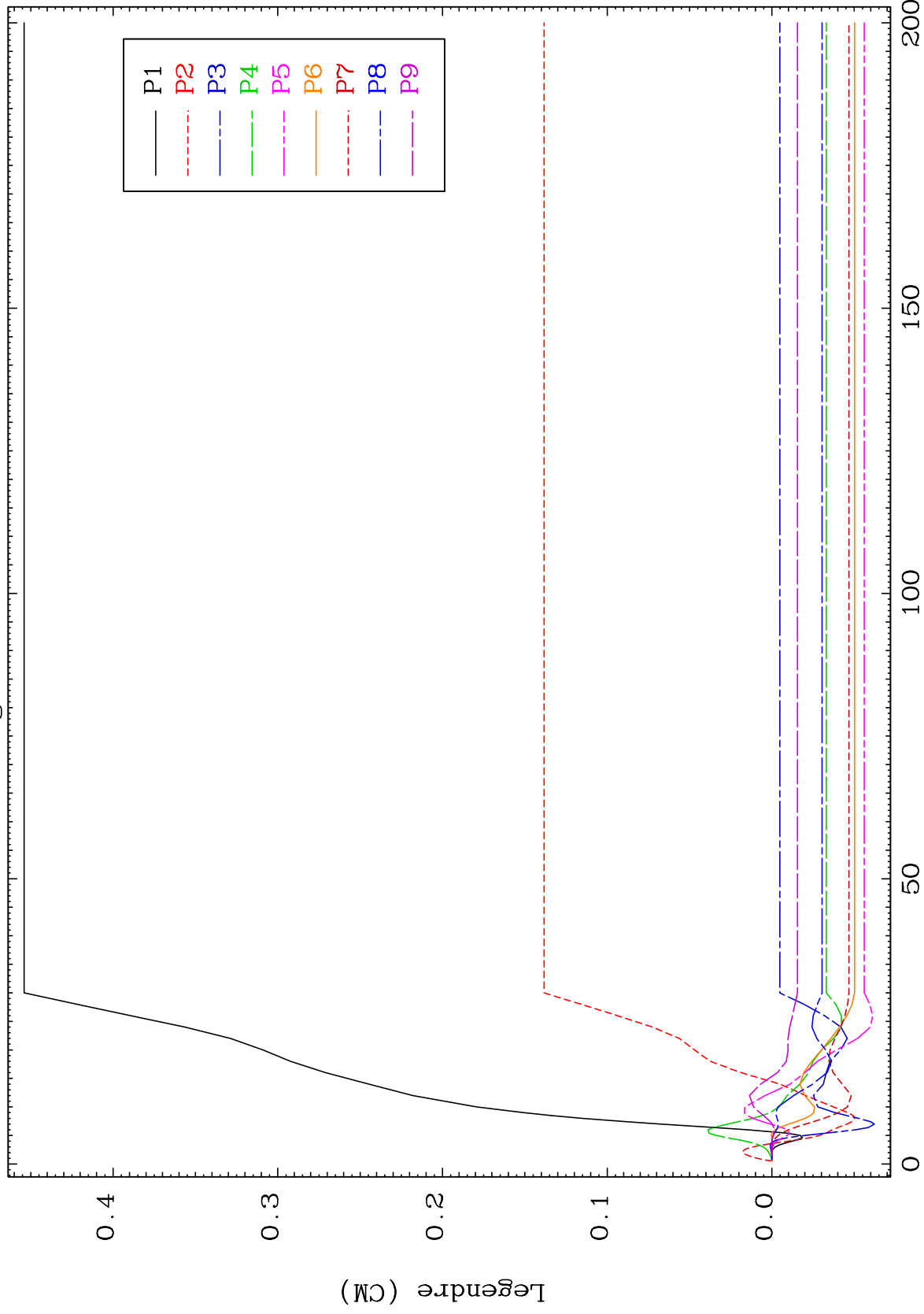
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

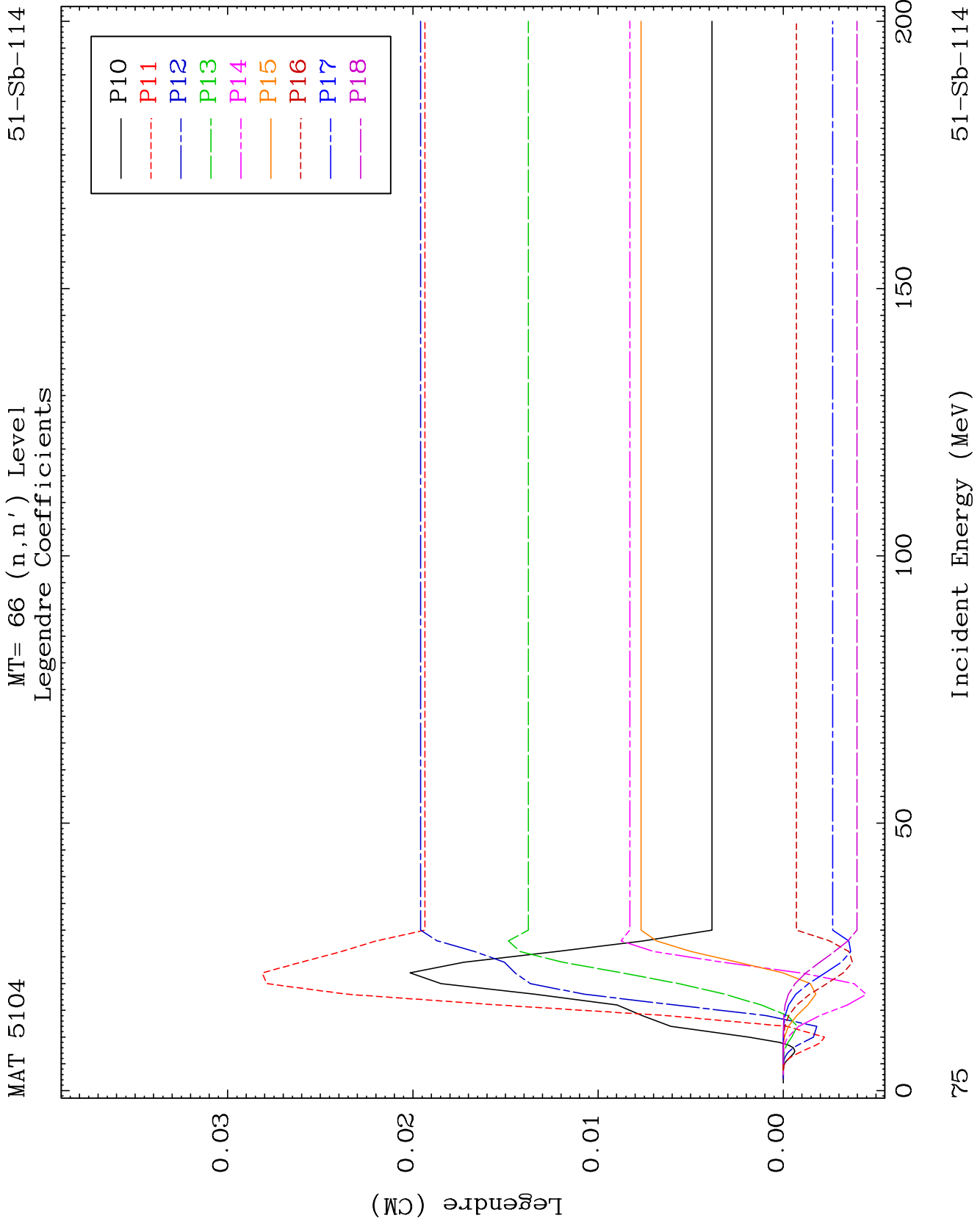
51-Sb-114



74

Incident Energy (MeV)

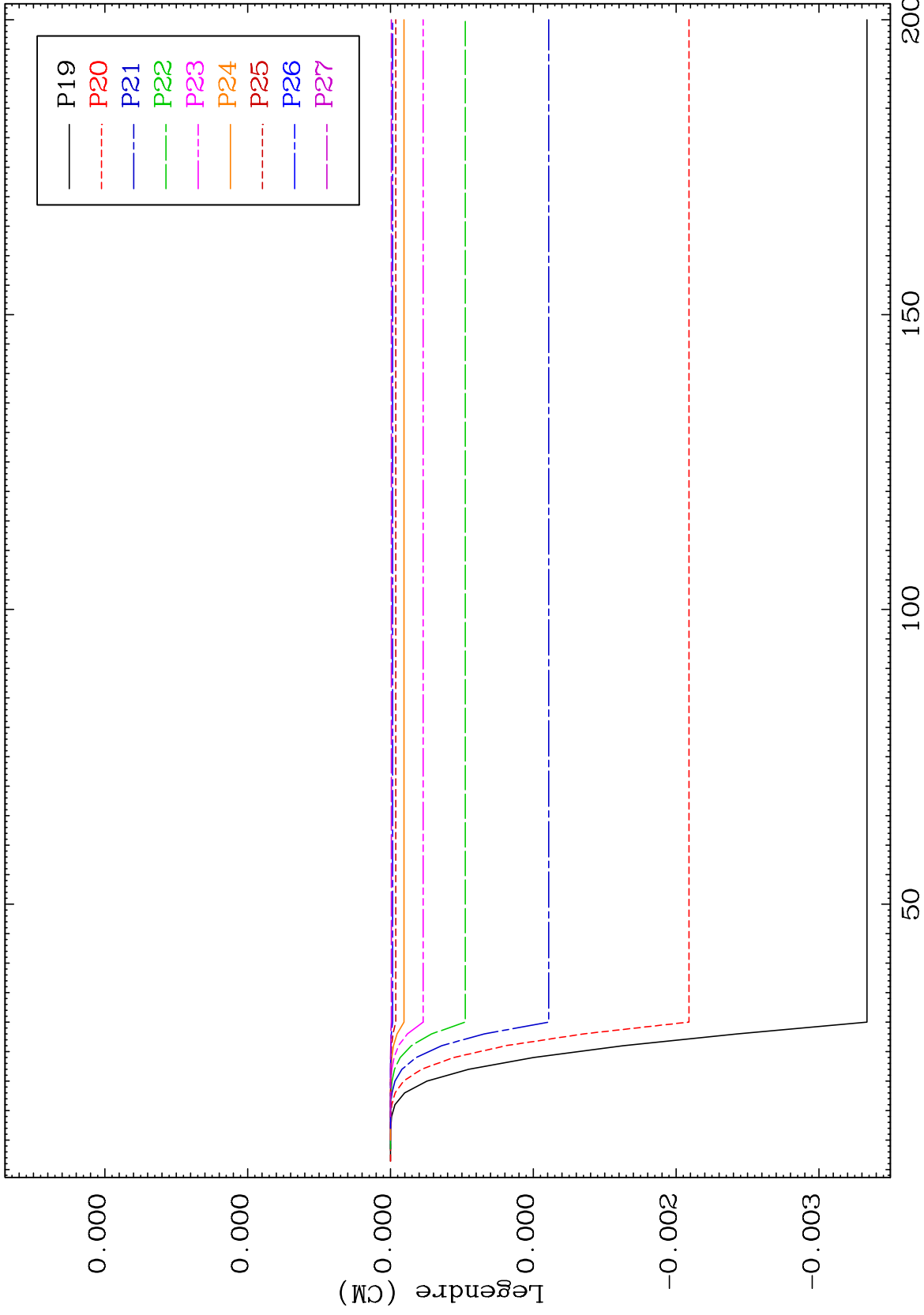
51-Sb-114



MAT 5104

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

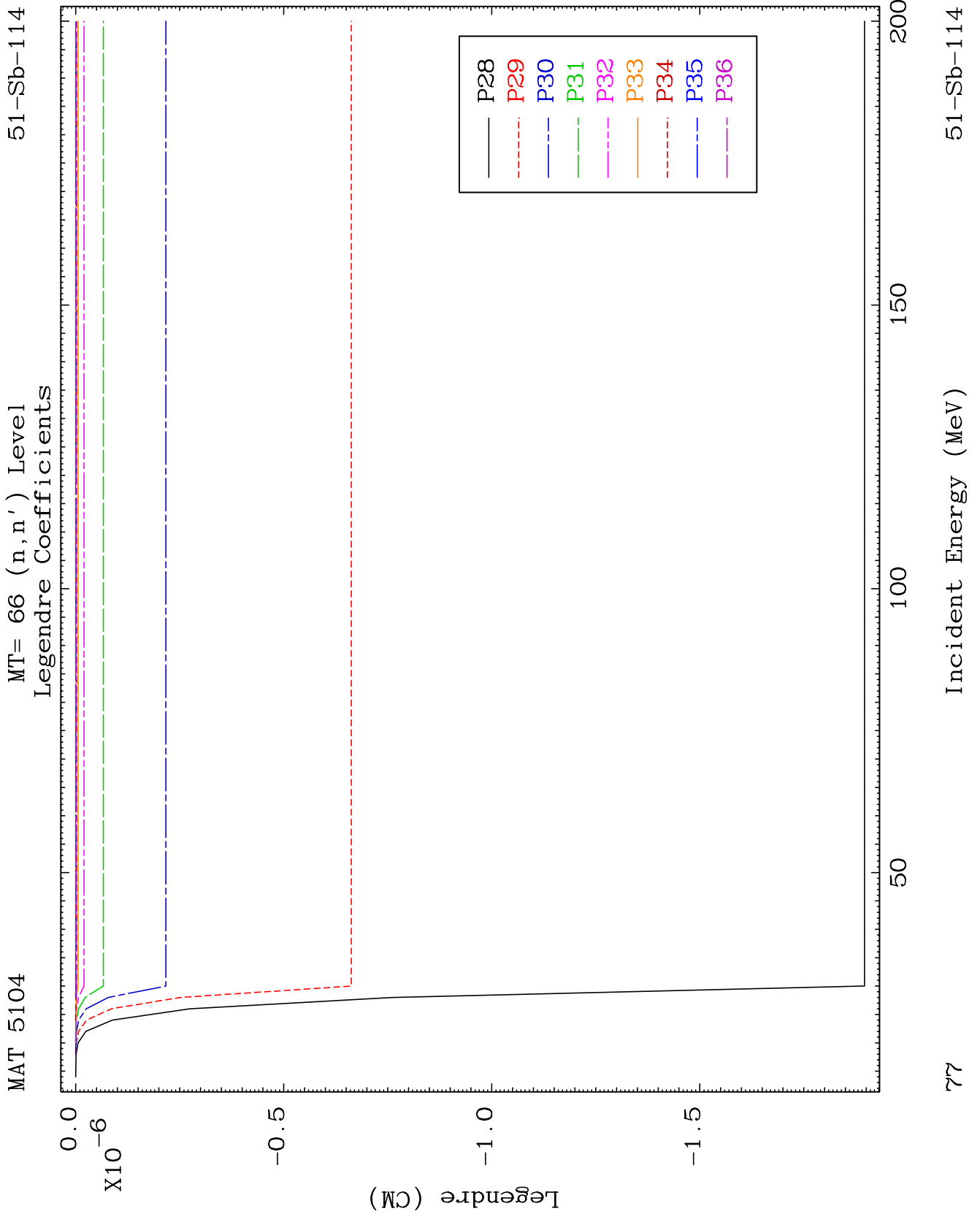
51-Sb-114



76

Incident Energy (MeV)

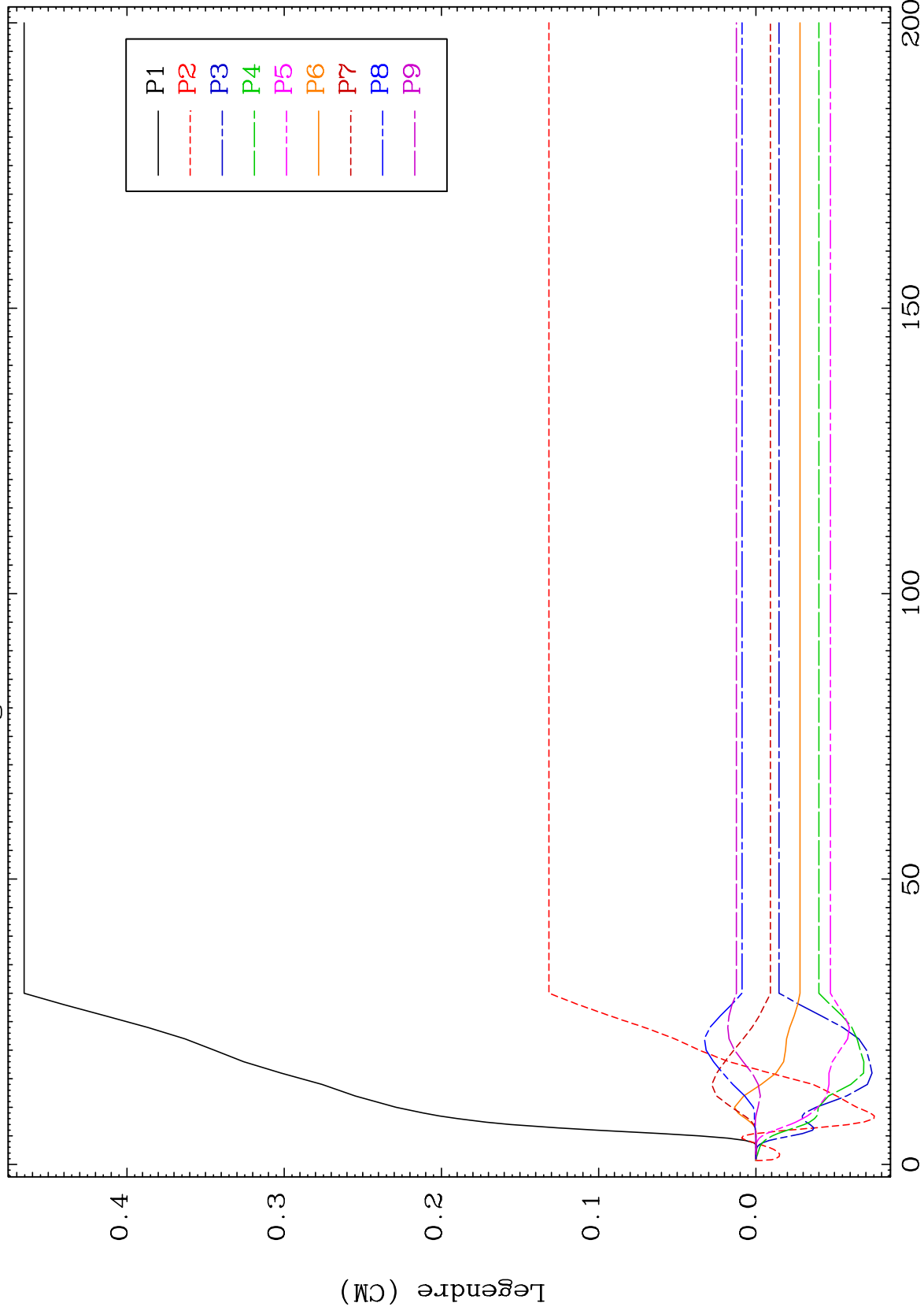
51-Sb-114



MAT 5104

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

51-Sb-114



78

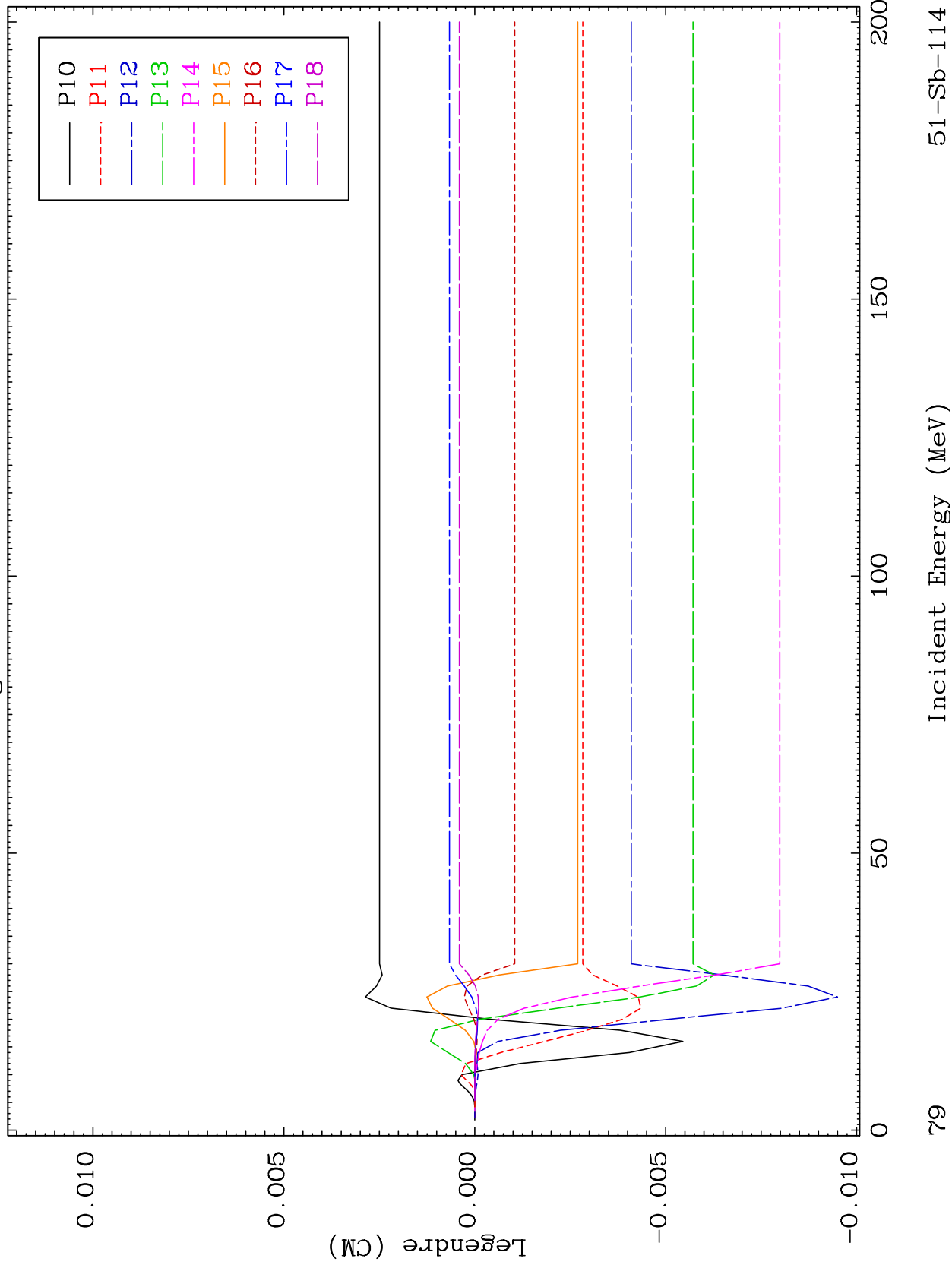
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

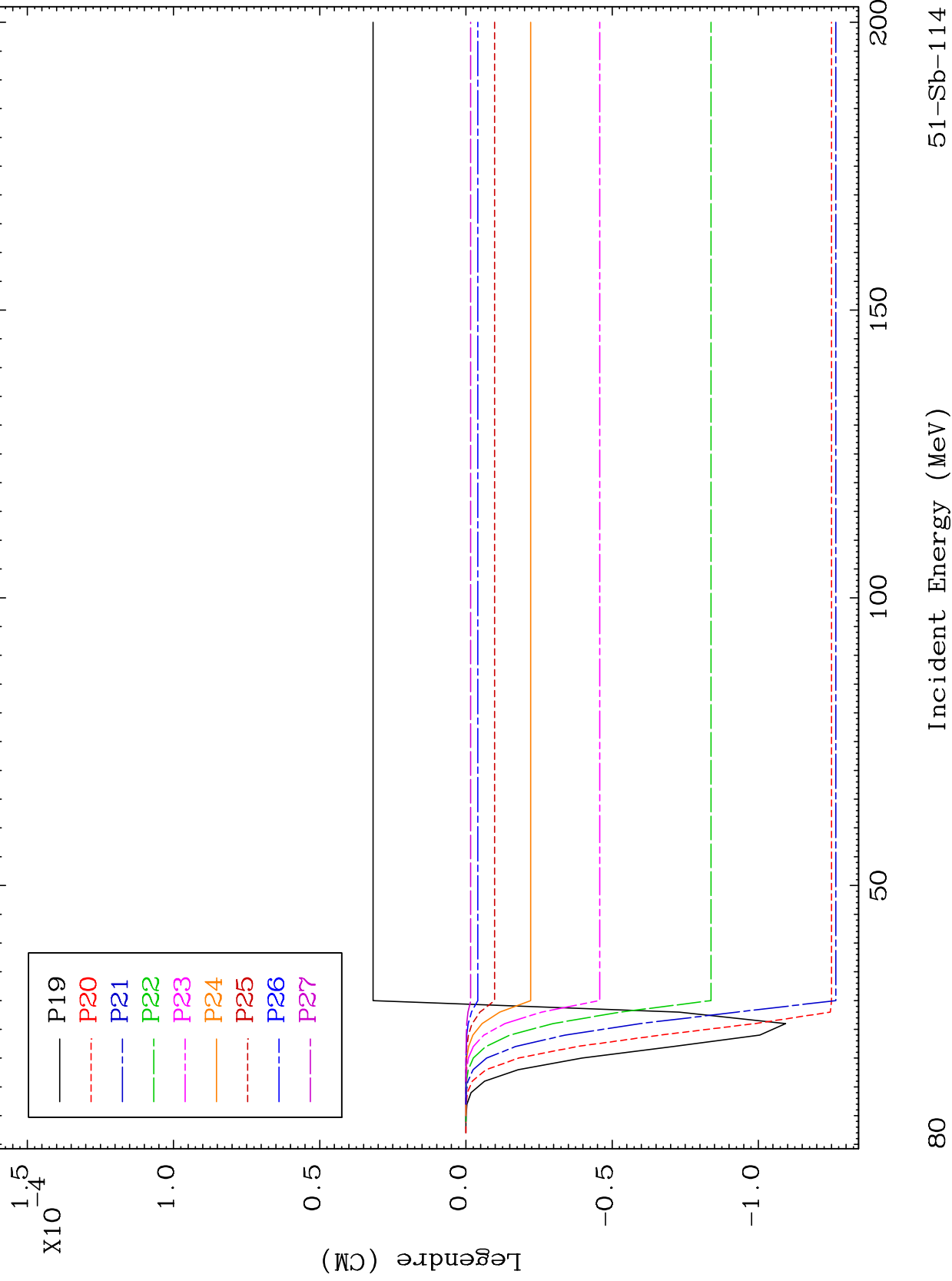
51-Sb-114



MAT 5104

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

51-Sb-114

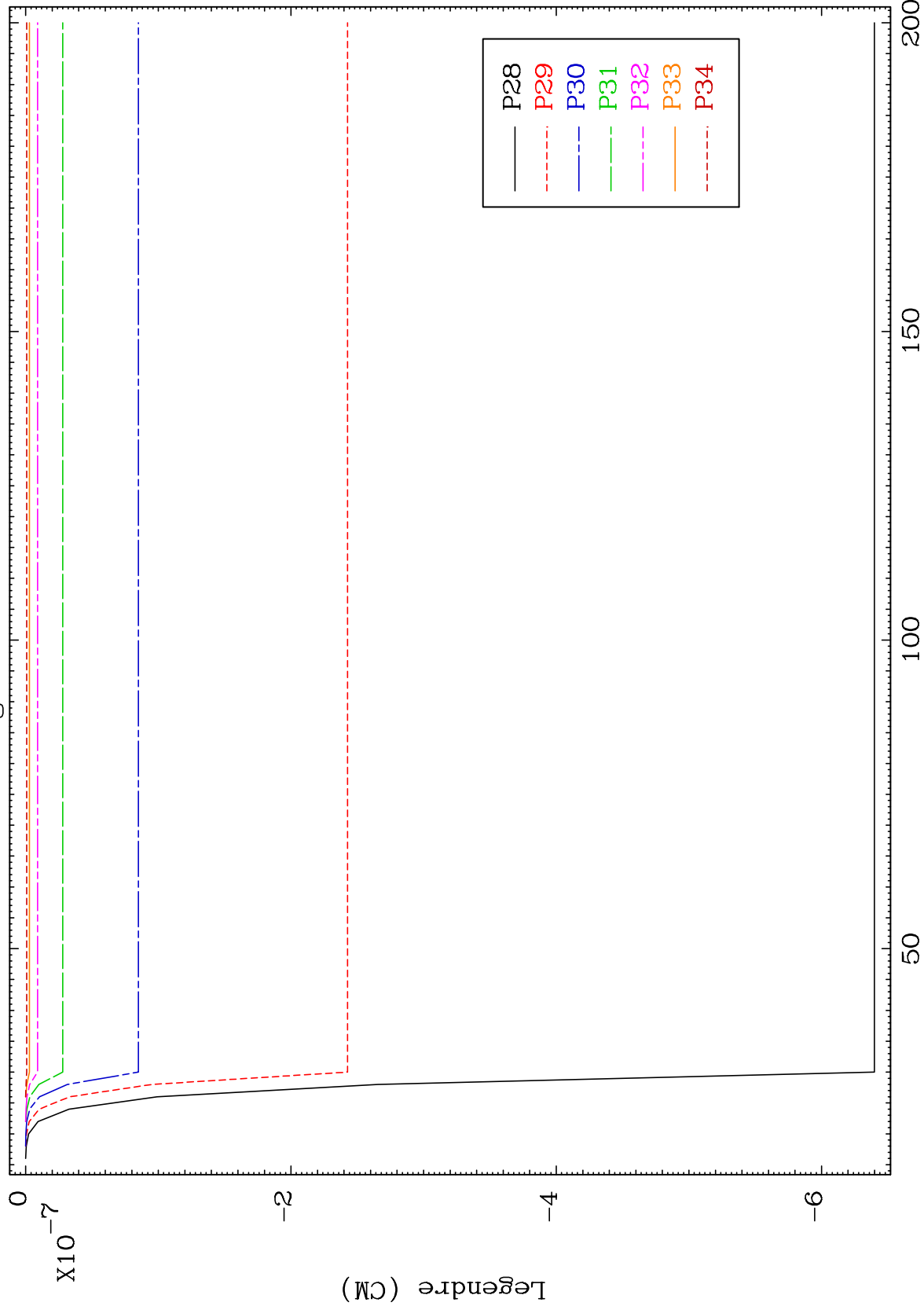


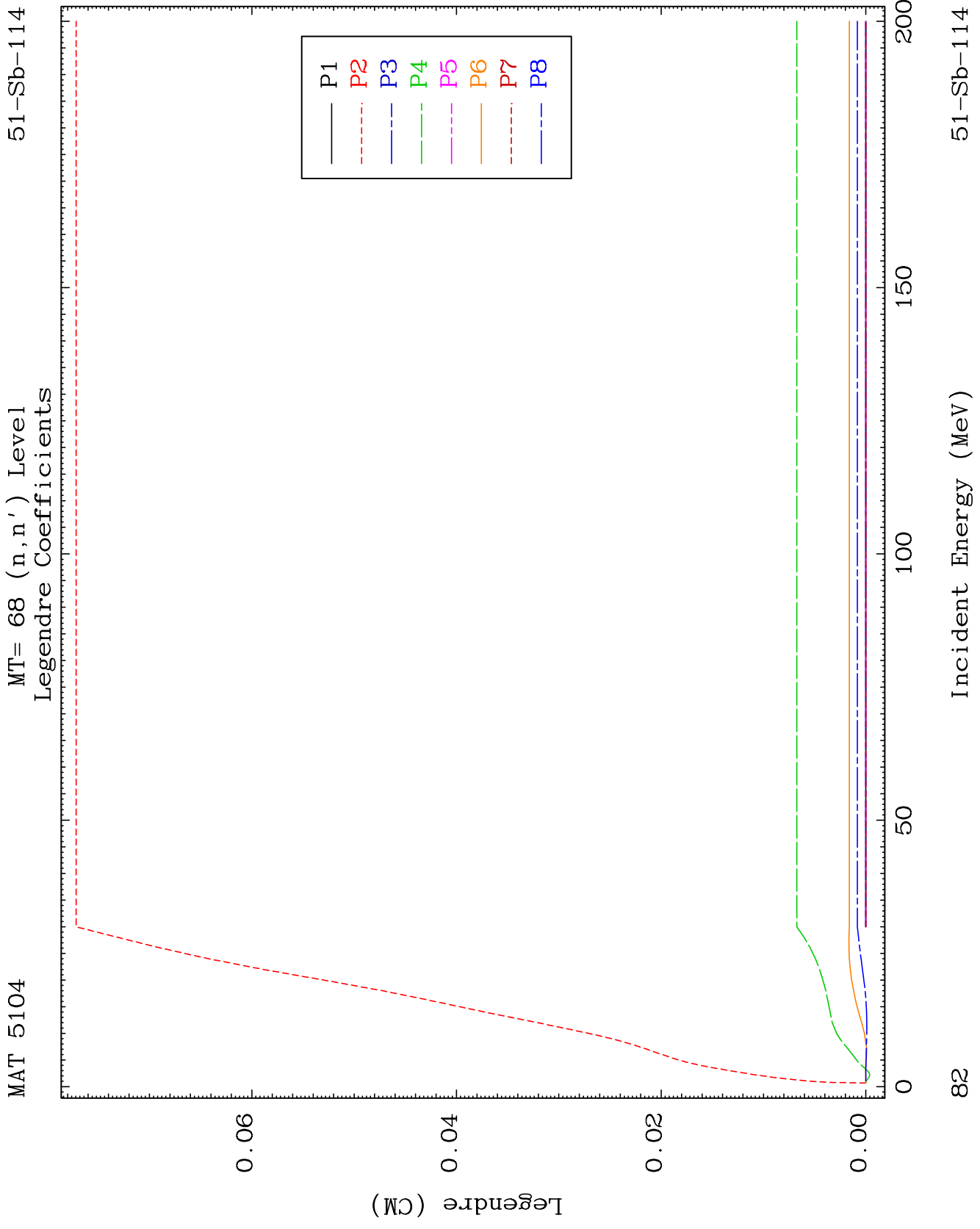
51-Sb-114

Incident Energy (MeV)

80

Legendre Coefficients

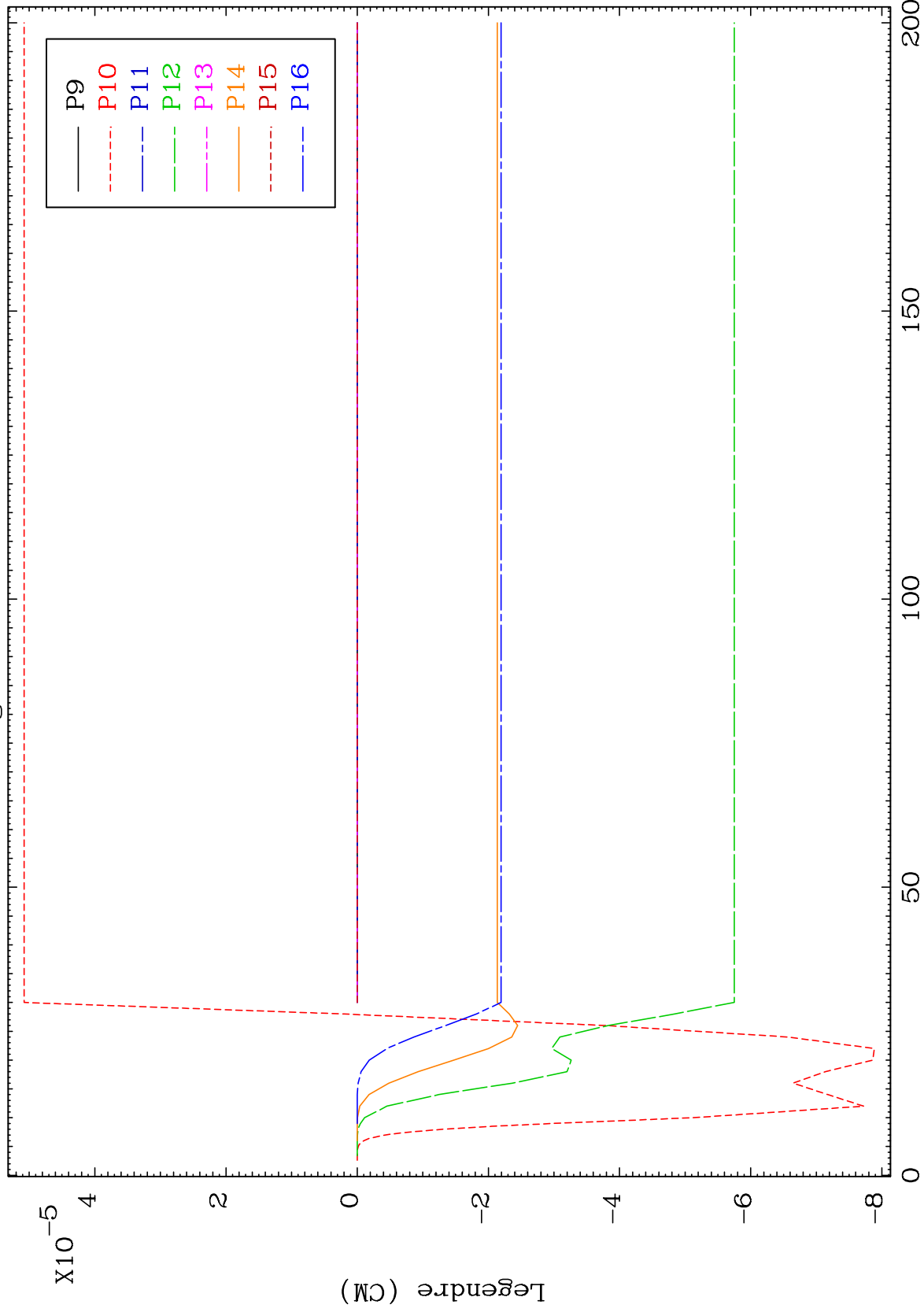




MAT 5104

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

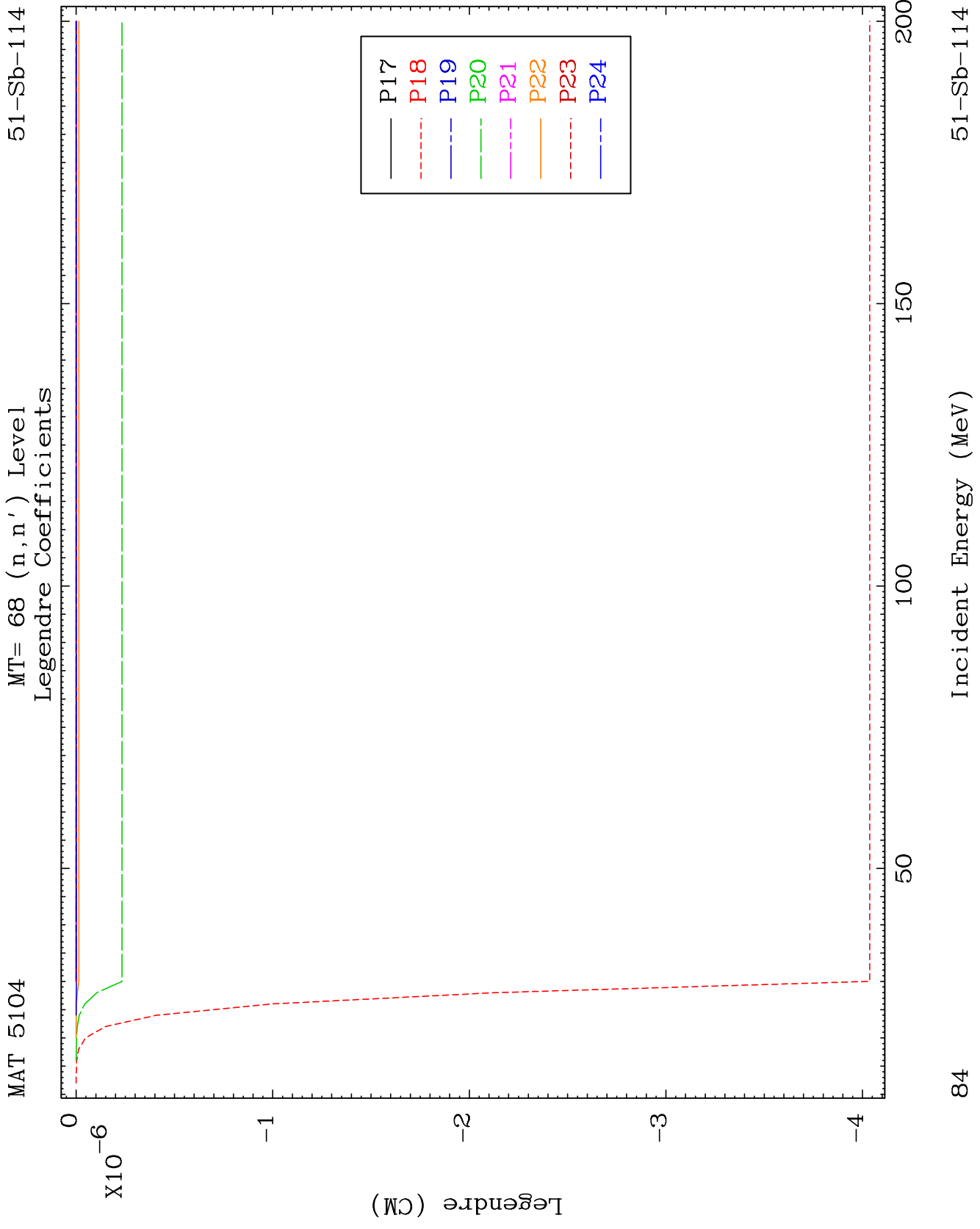
51-Sb-114

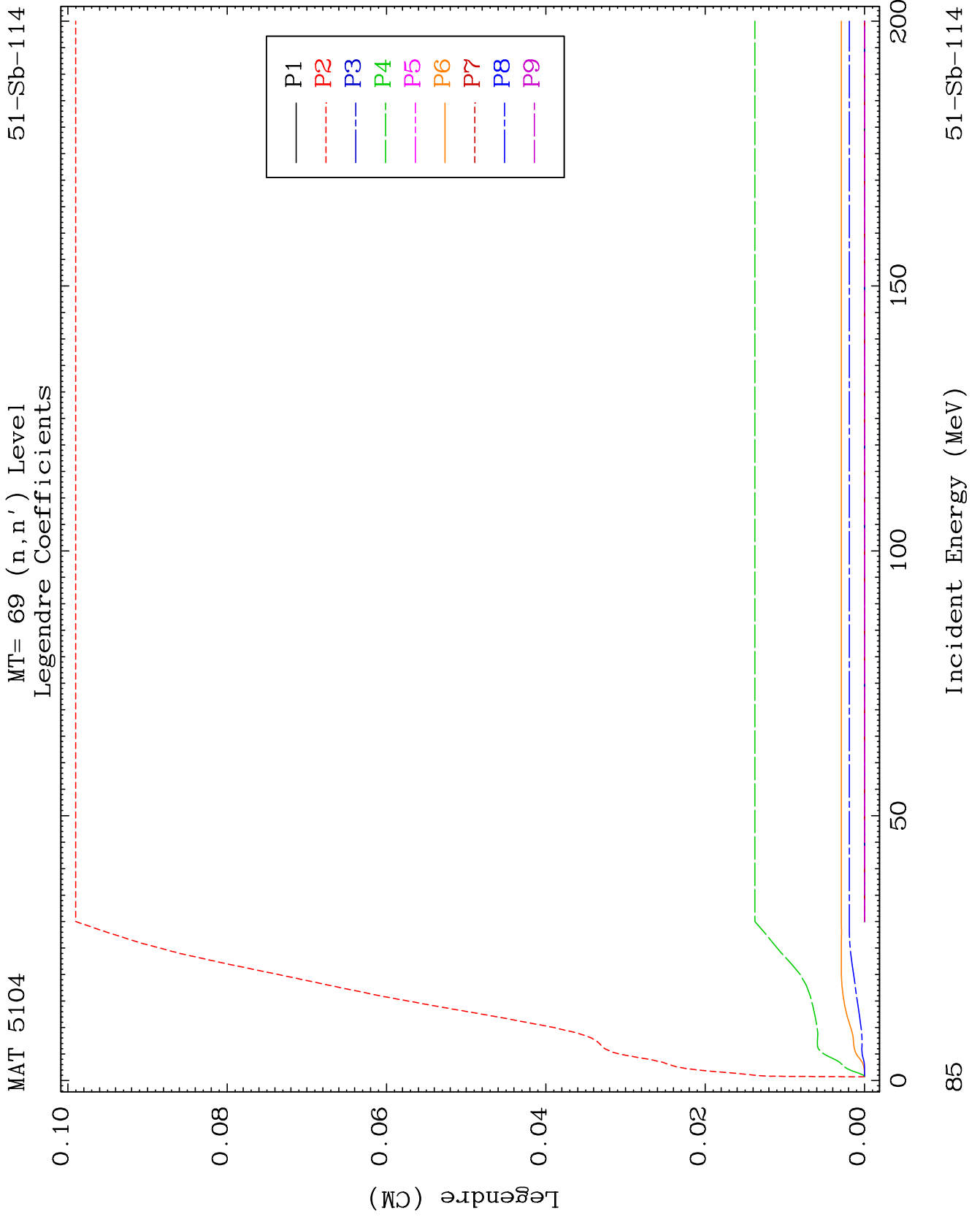


83

Incident Energy (MeV)

51-Sb-114

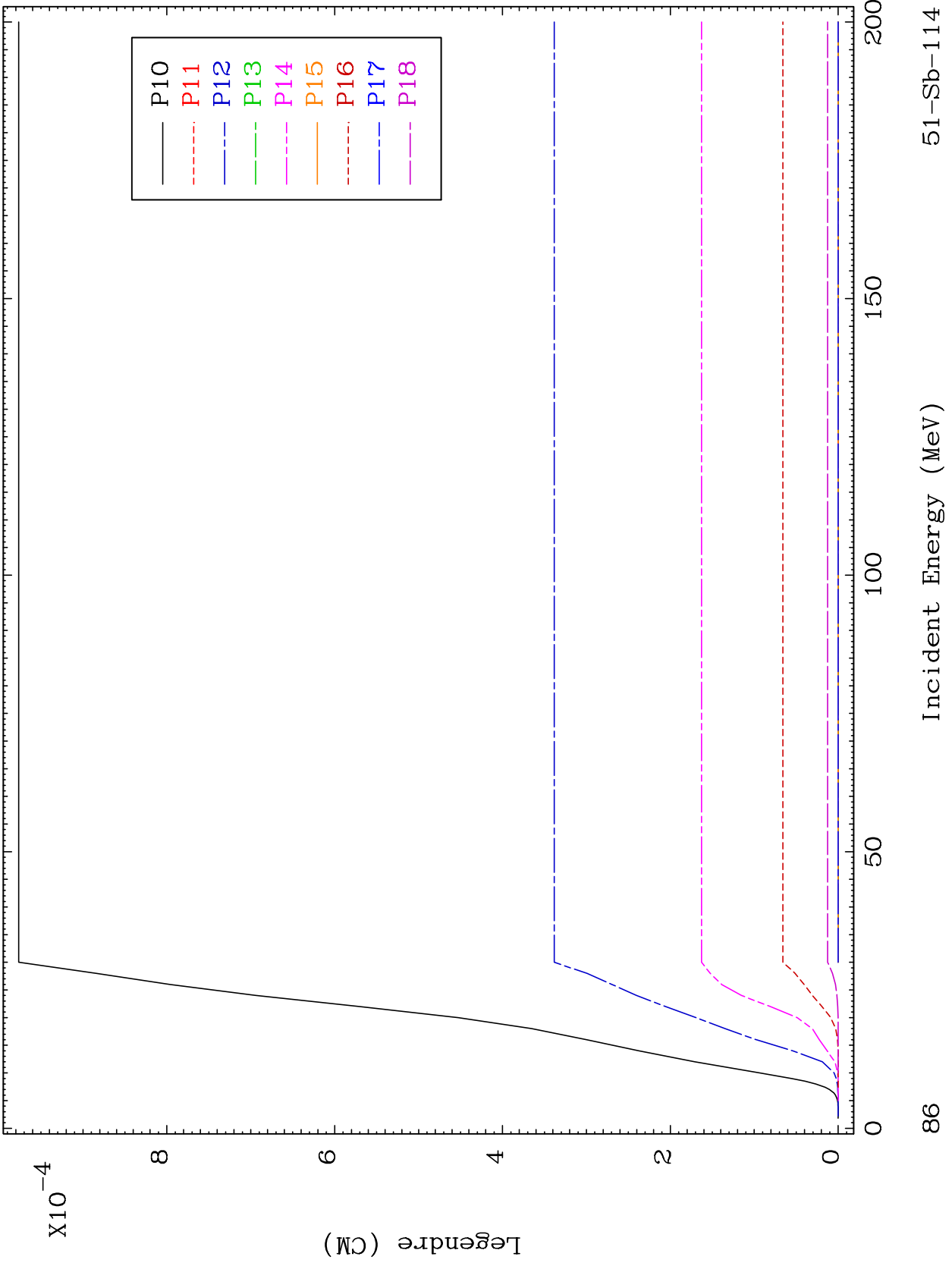


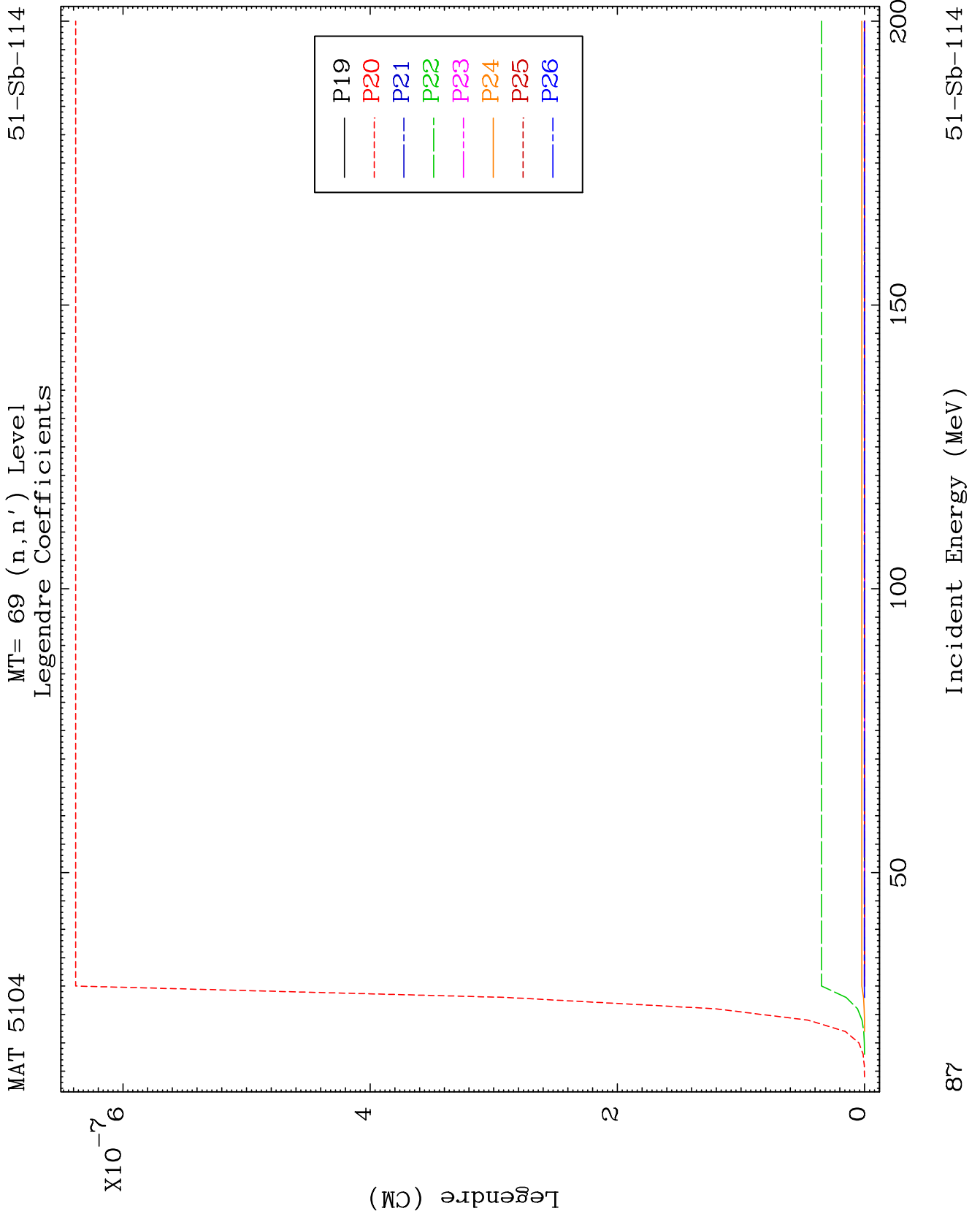


MAT 5104

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

51-Sb-114

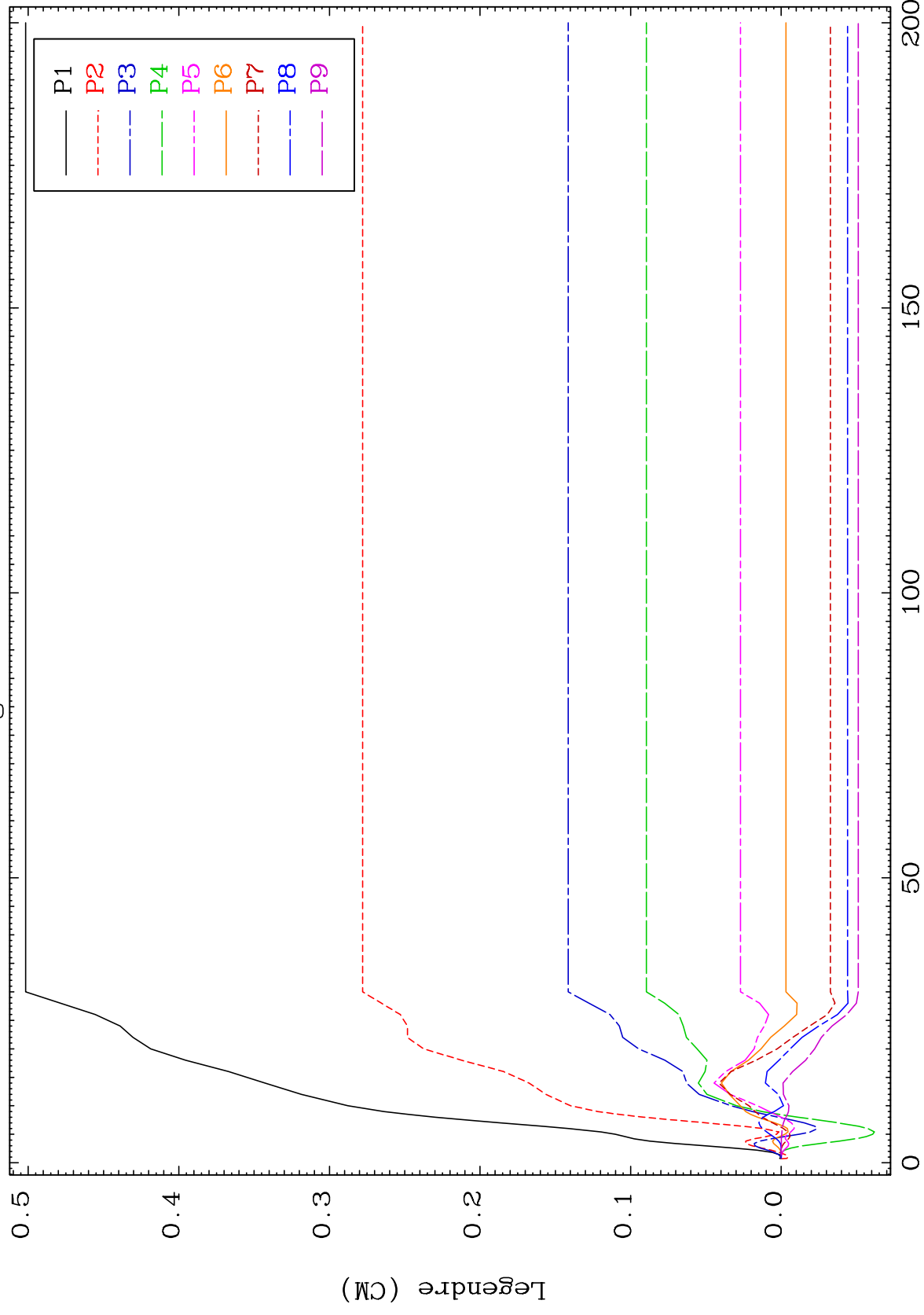




MAT 5104

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

51-Sb-114



88

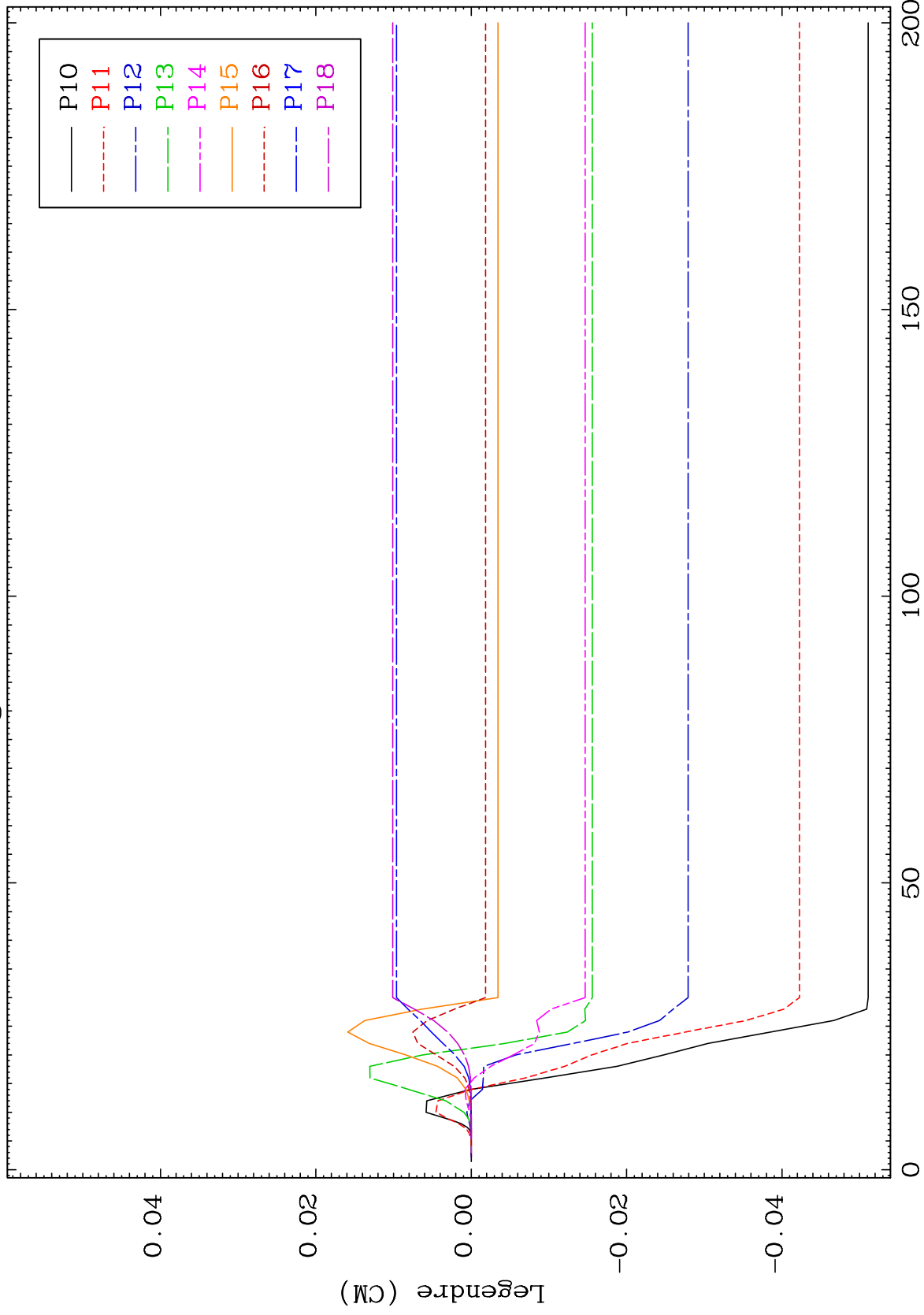
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



89

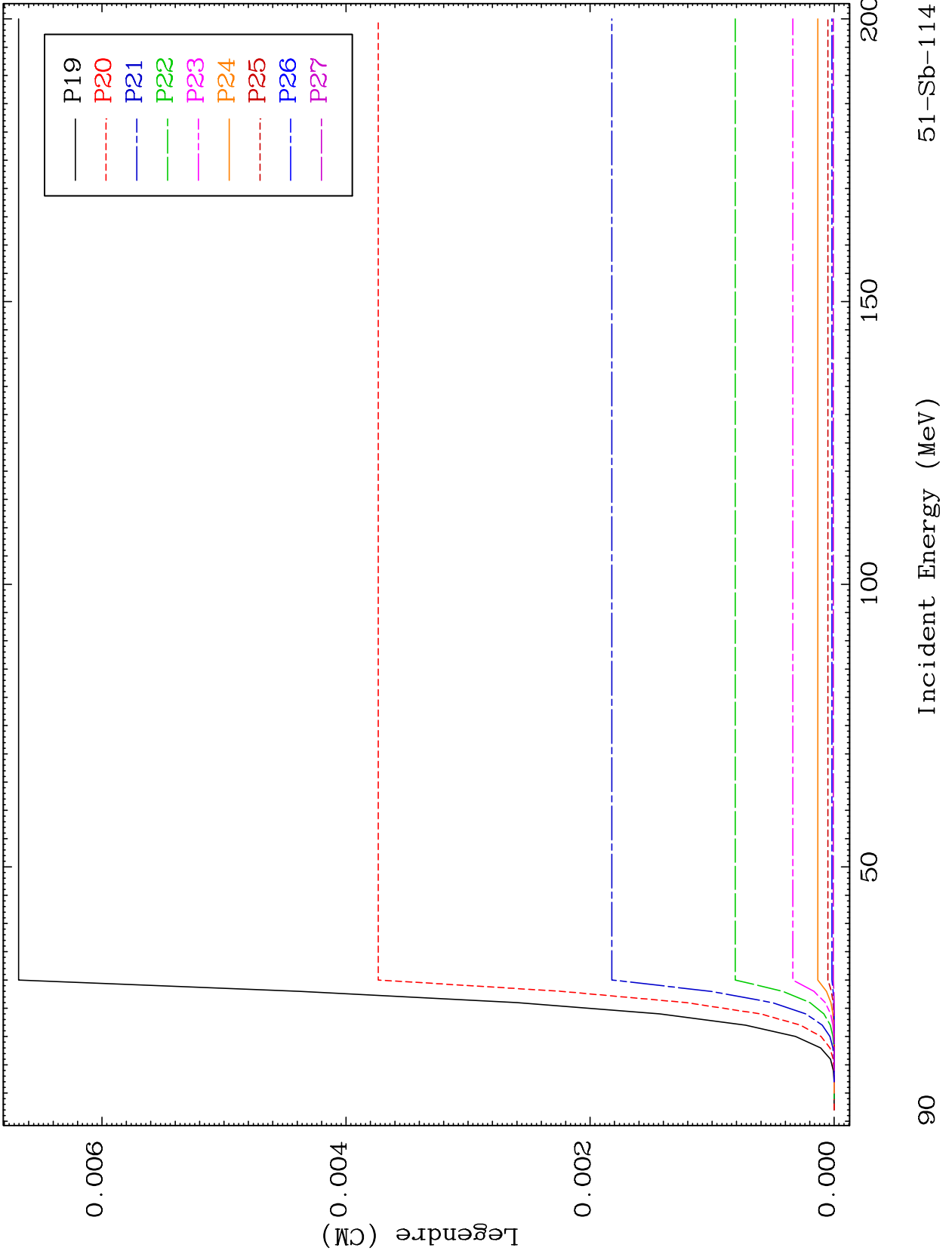
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



51-Sb-114

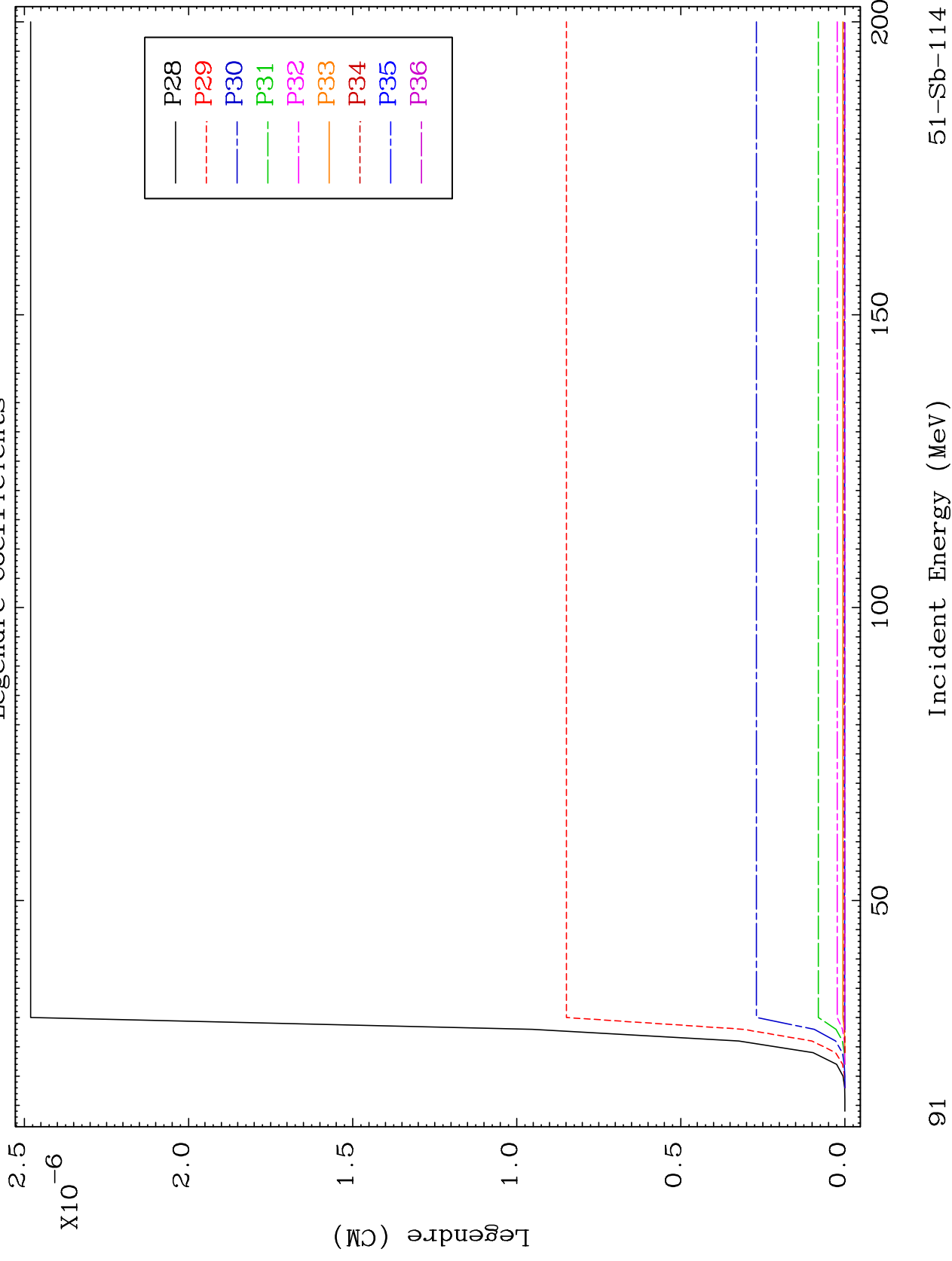
Incident Energy (MeV)

90

MAT 5104

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

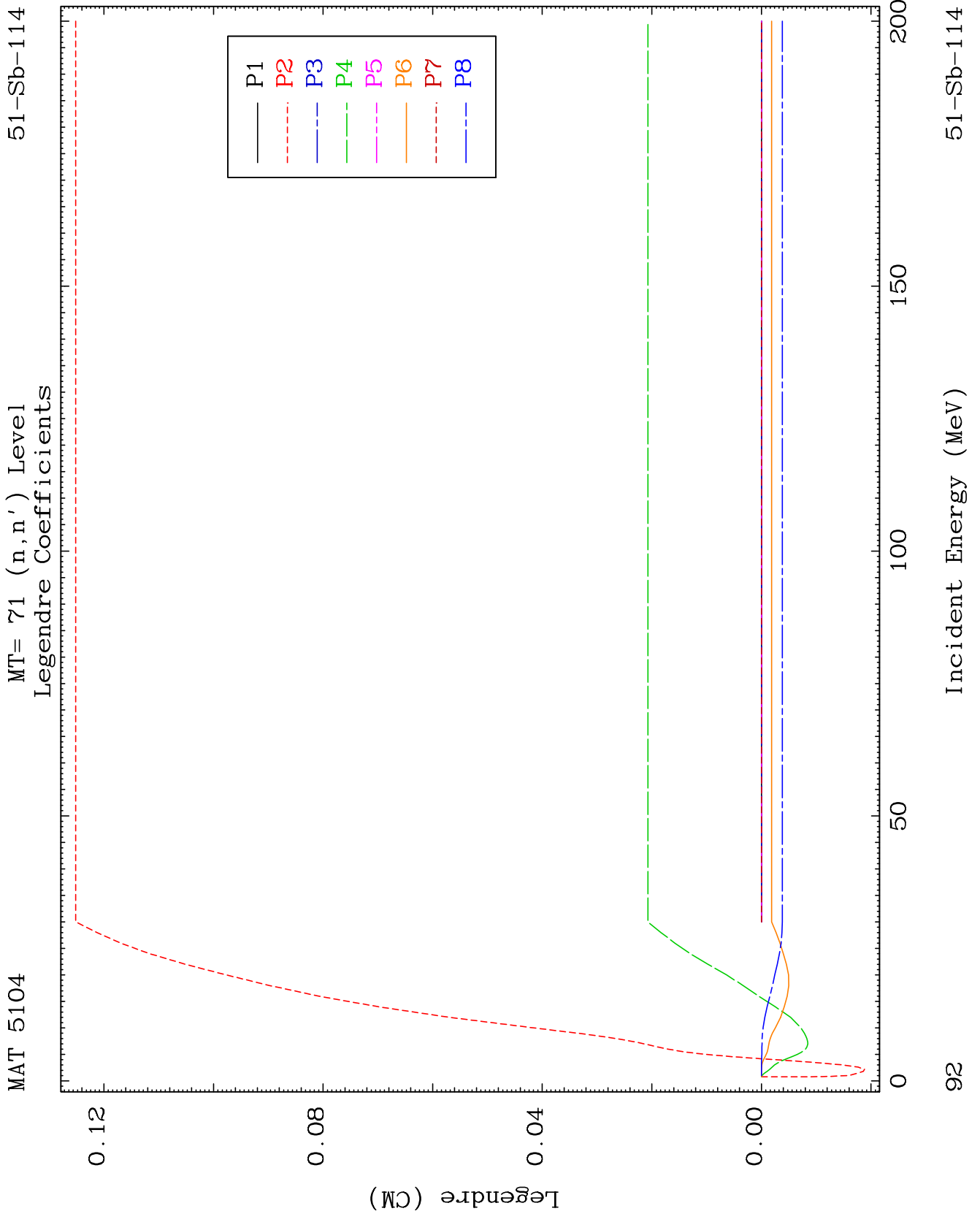
51-Sb-114



91

Incident Energy (MeV)

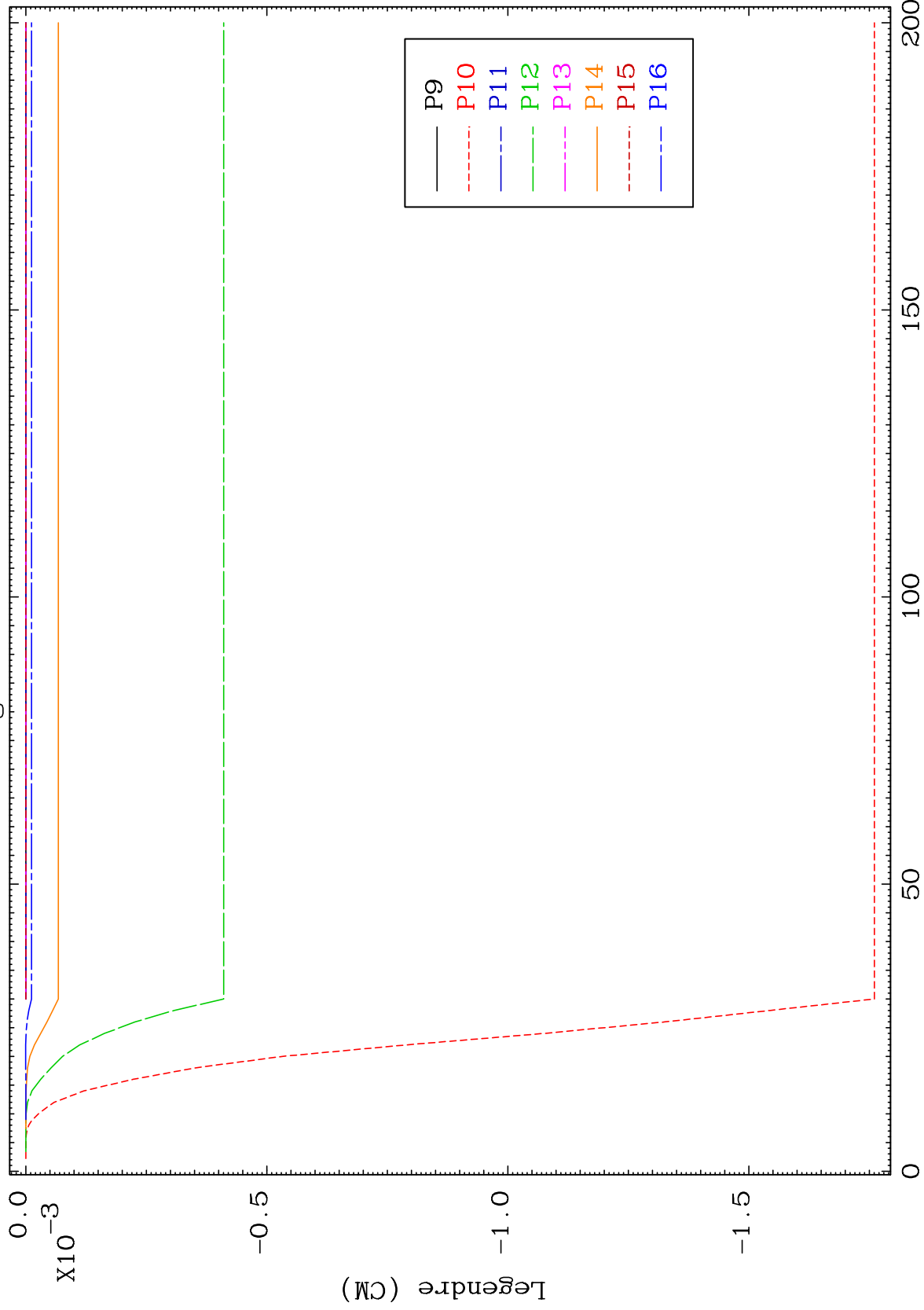
51-Sb-114



MAT 5104

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

51-Sb-114



93

Incident Energy (MeV)

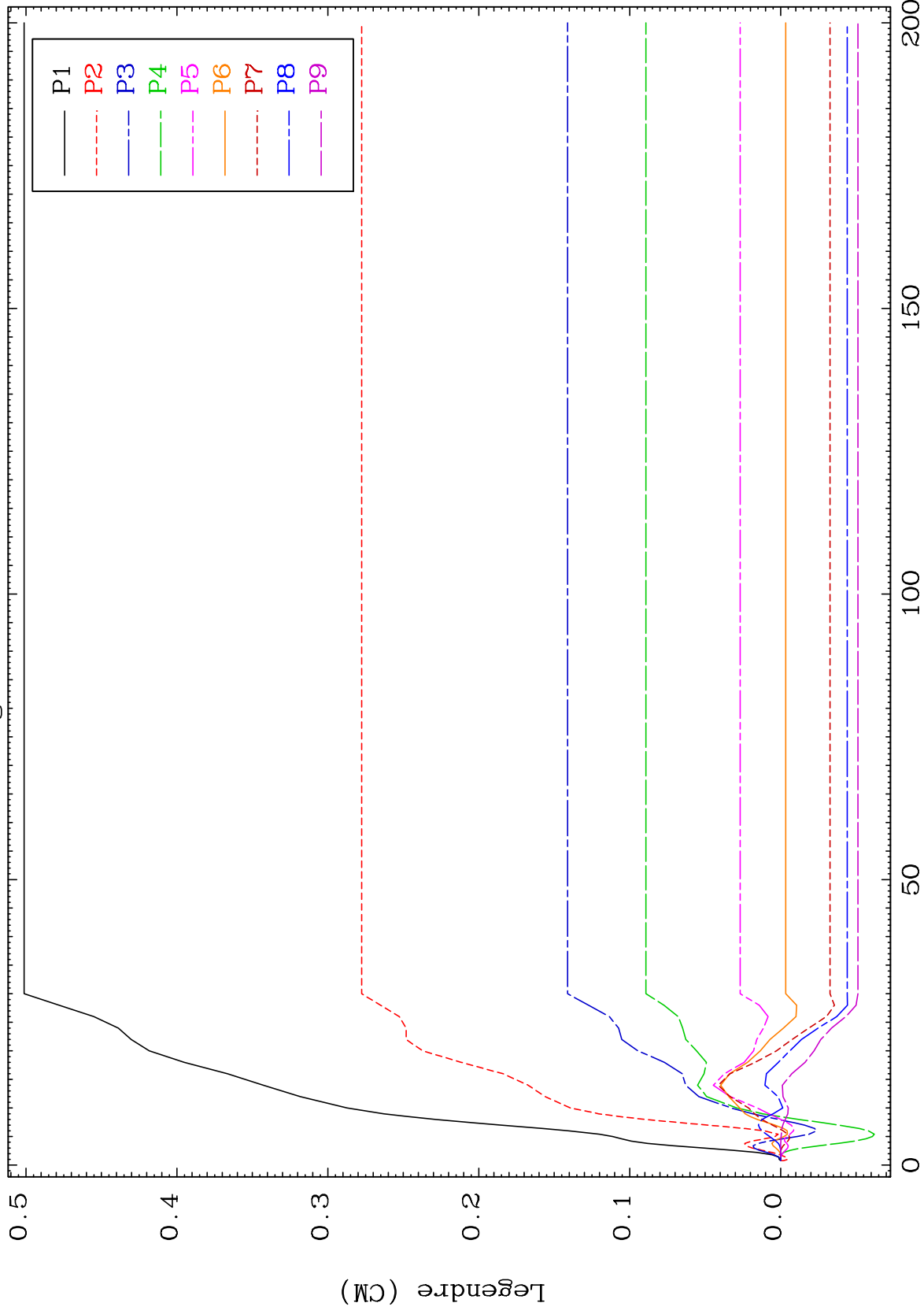
51-Sb-114

MAT 5104

MT= 72 (n,n') Level

51-Sb-114

Legendre Coefficients



95

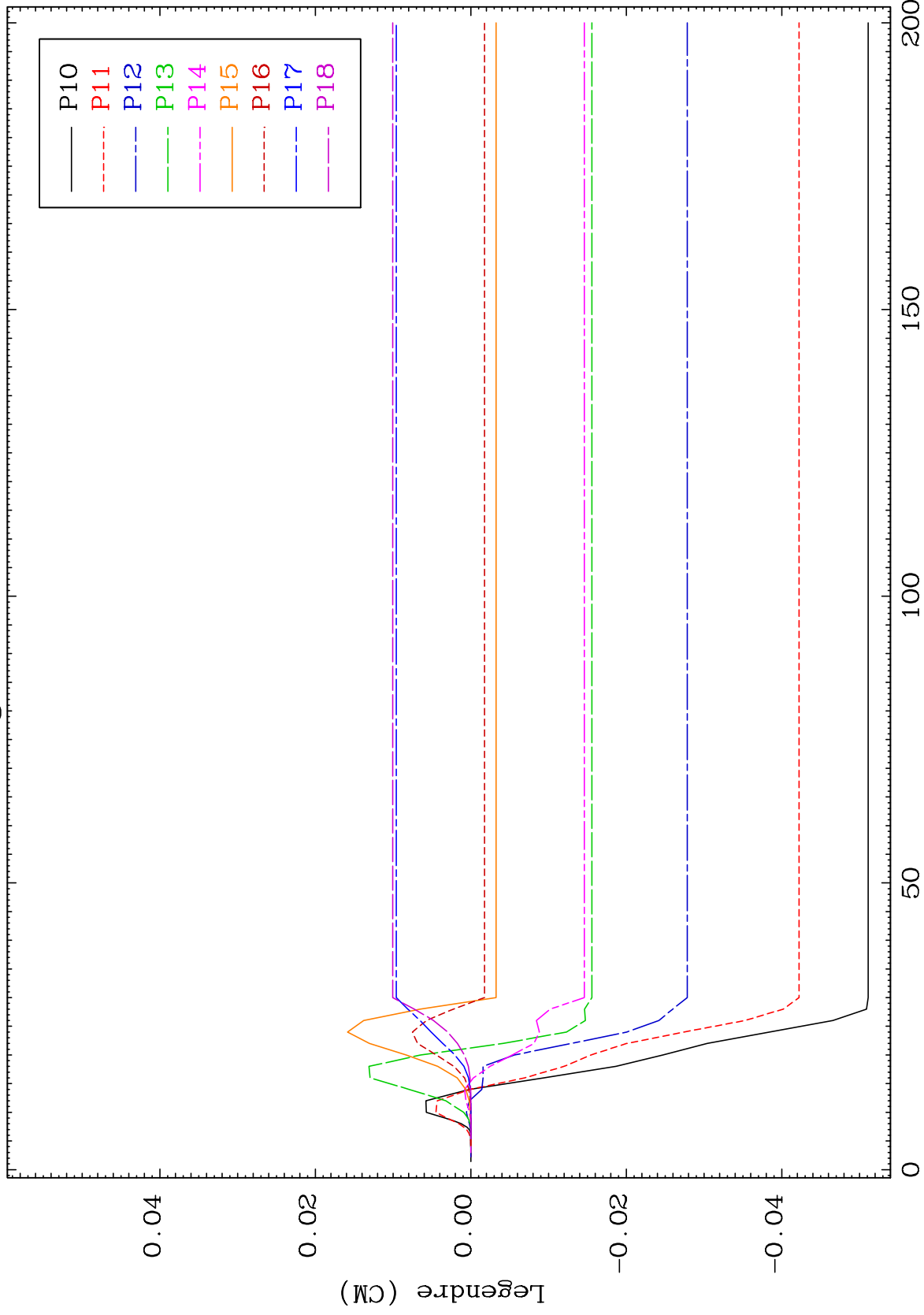
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



96

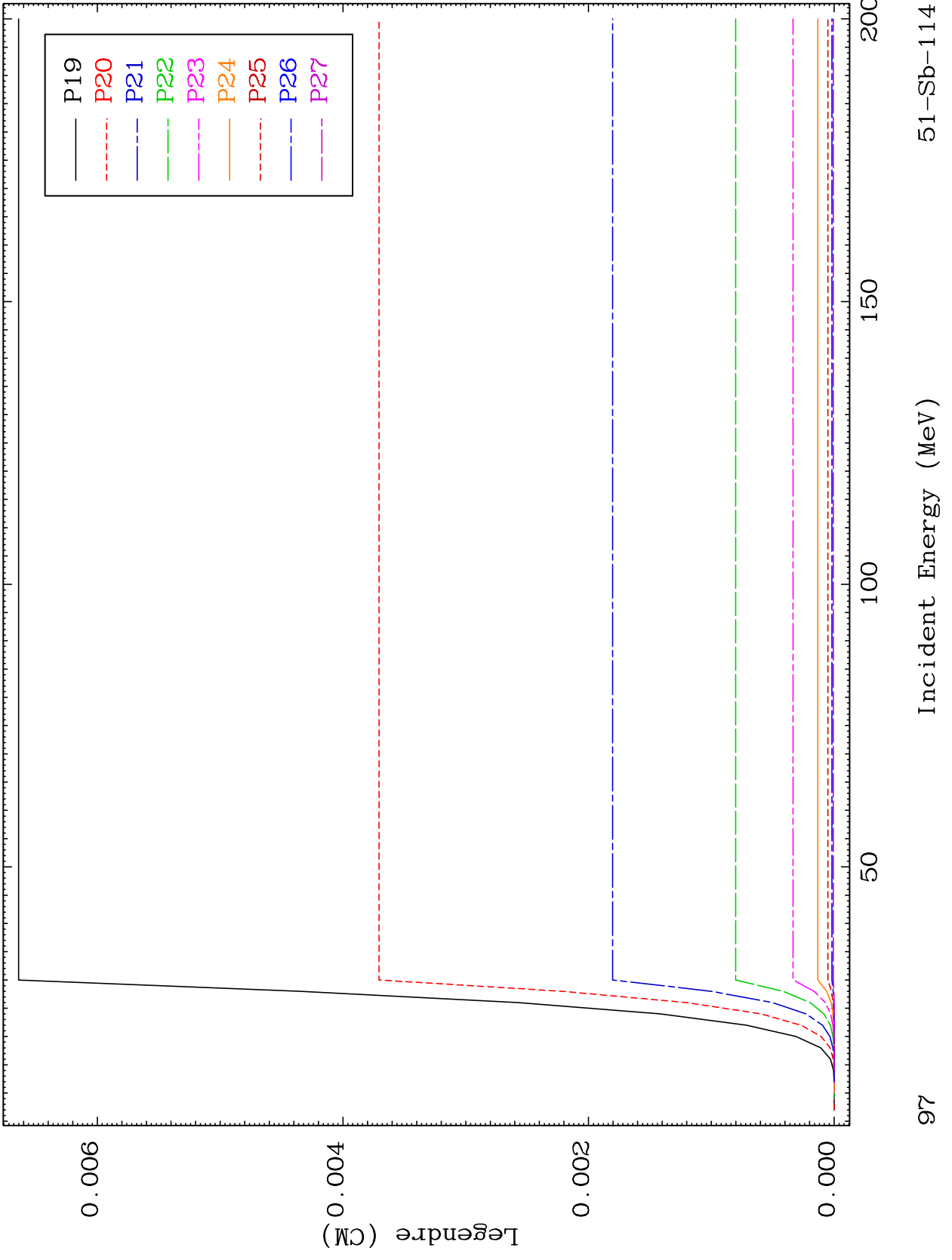
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



97

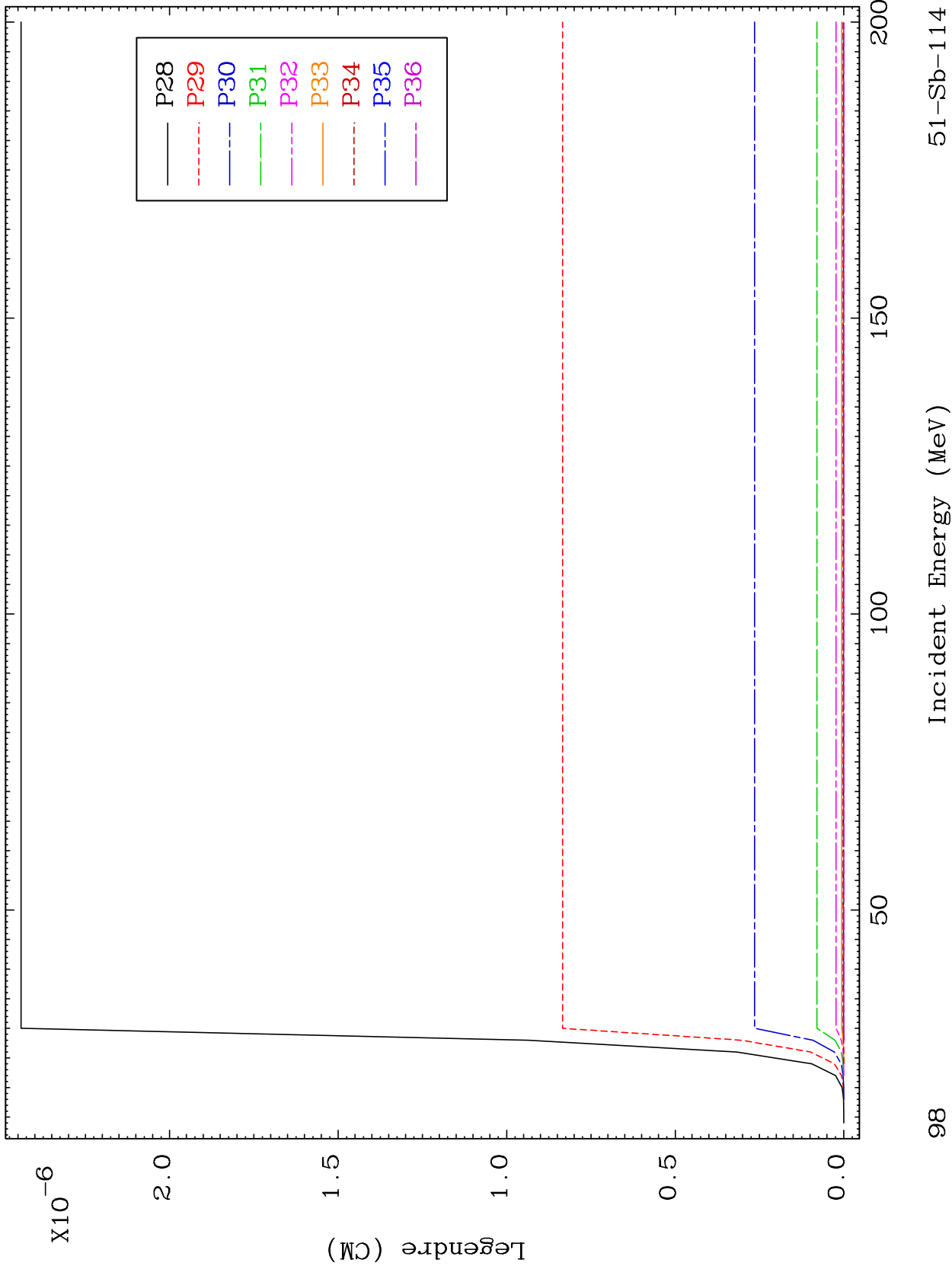
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

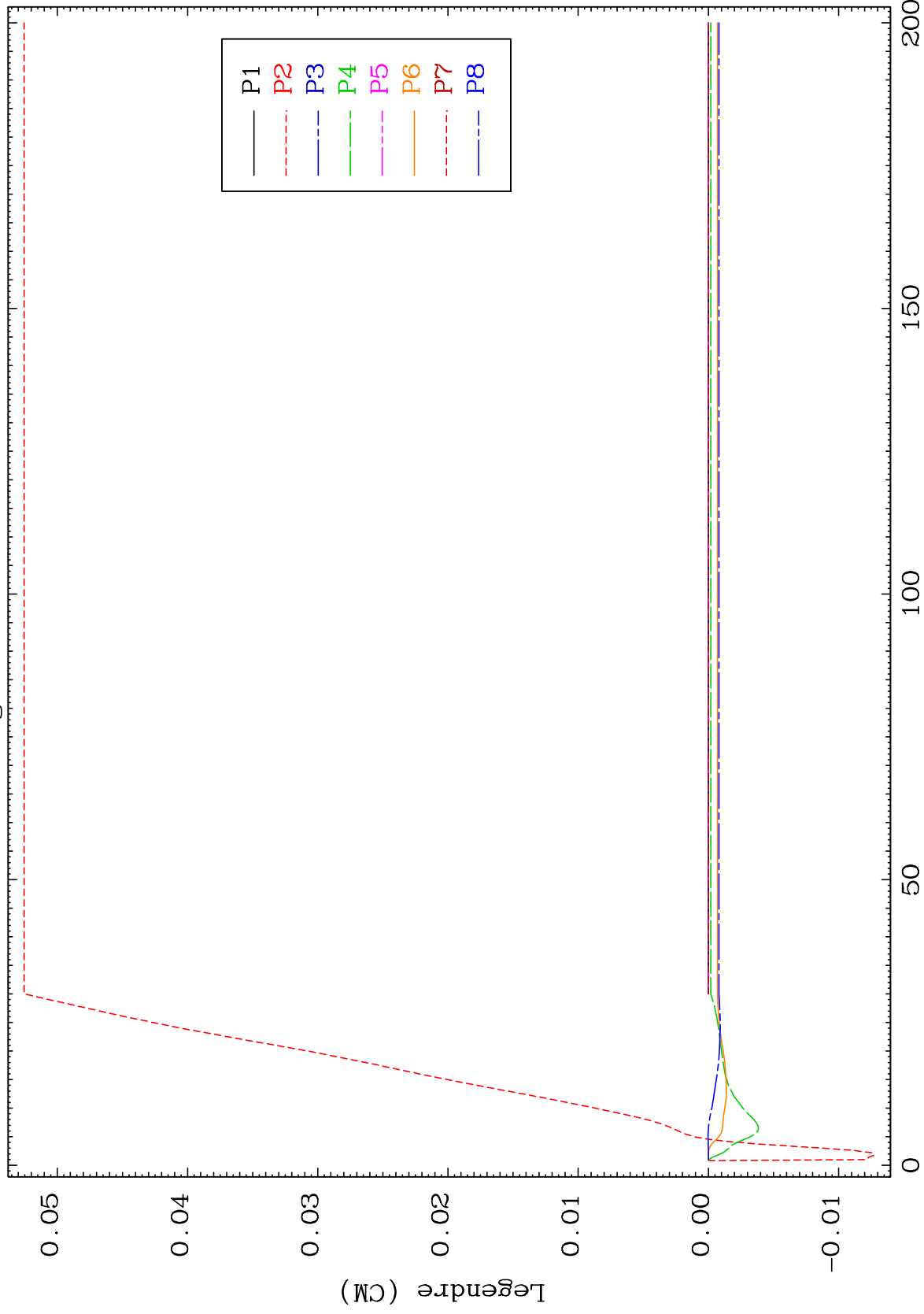
51-Sb-114



MAT 5104

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

51-Sb-114



99

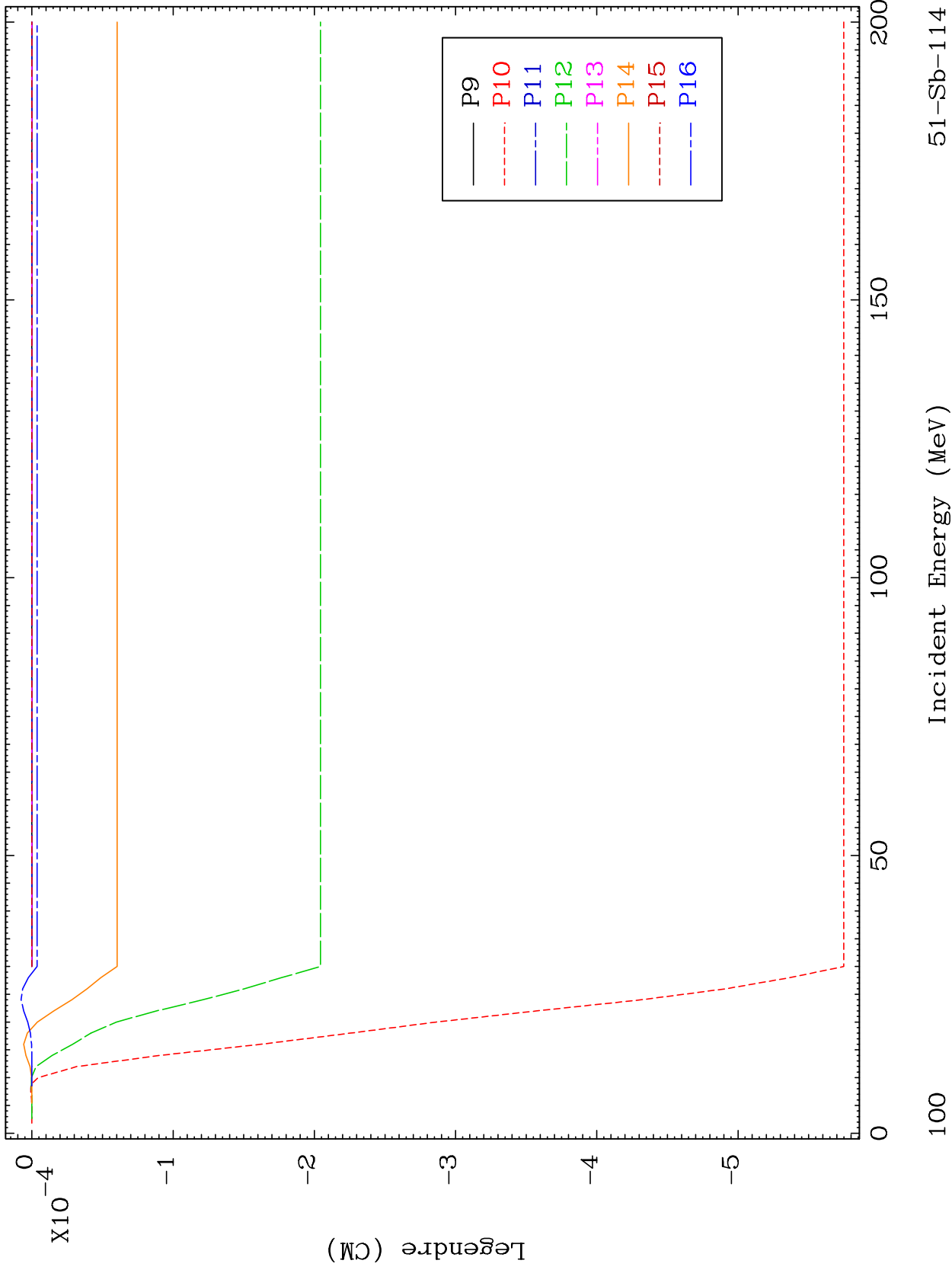
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

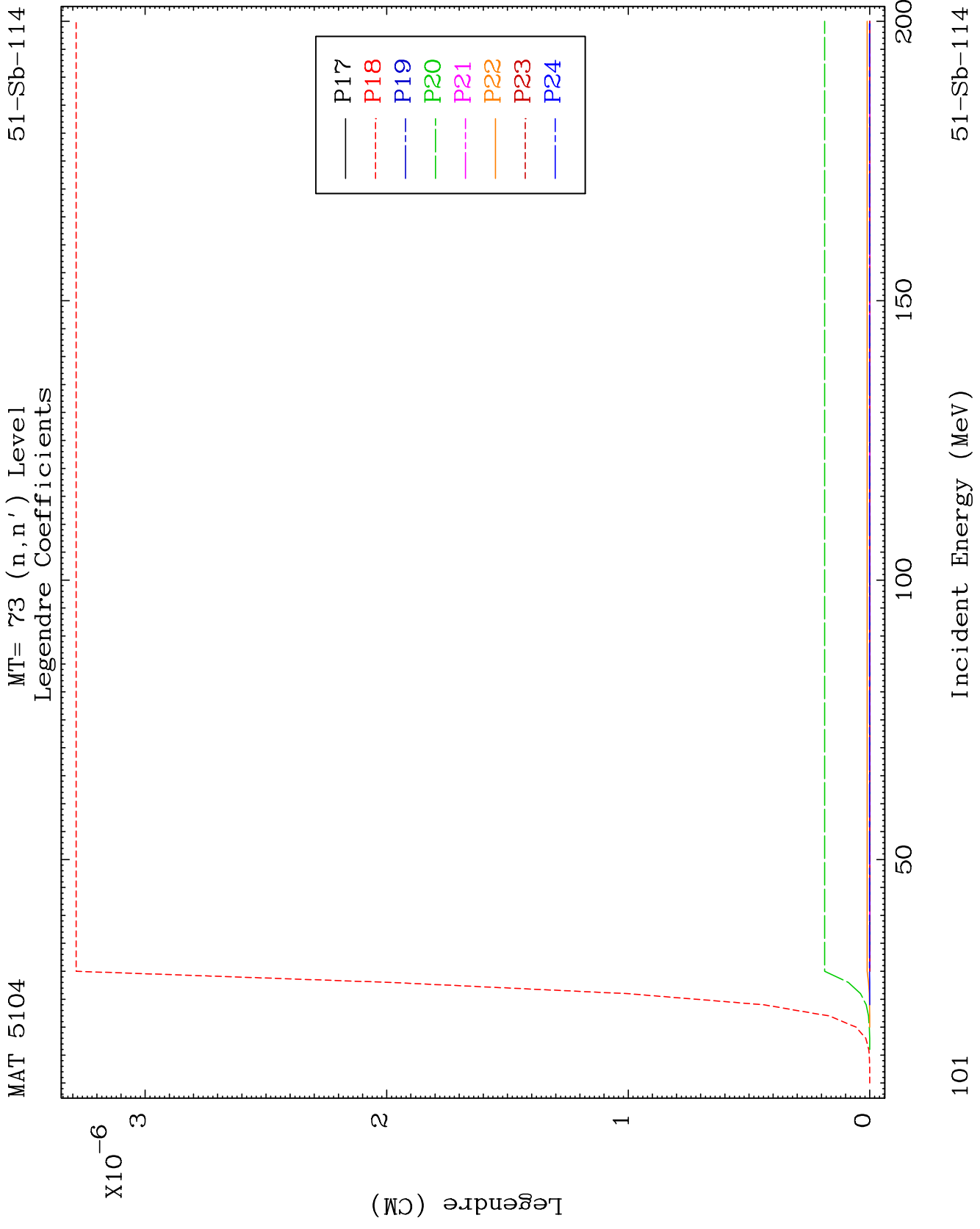
51-Sb-114



51-Sb-114

Incident Energy (MeV)

100

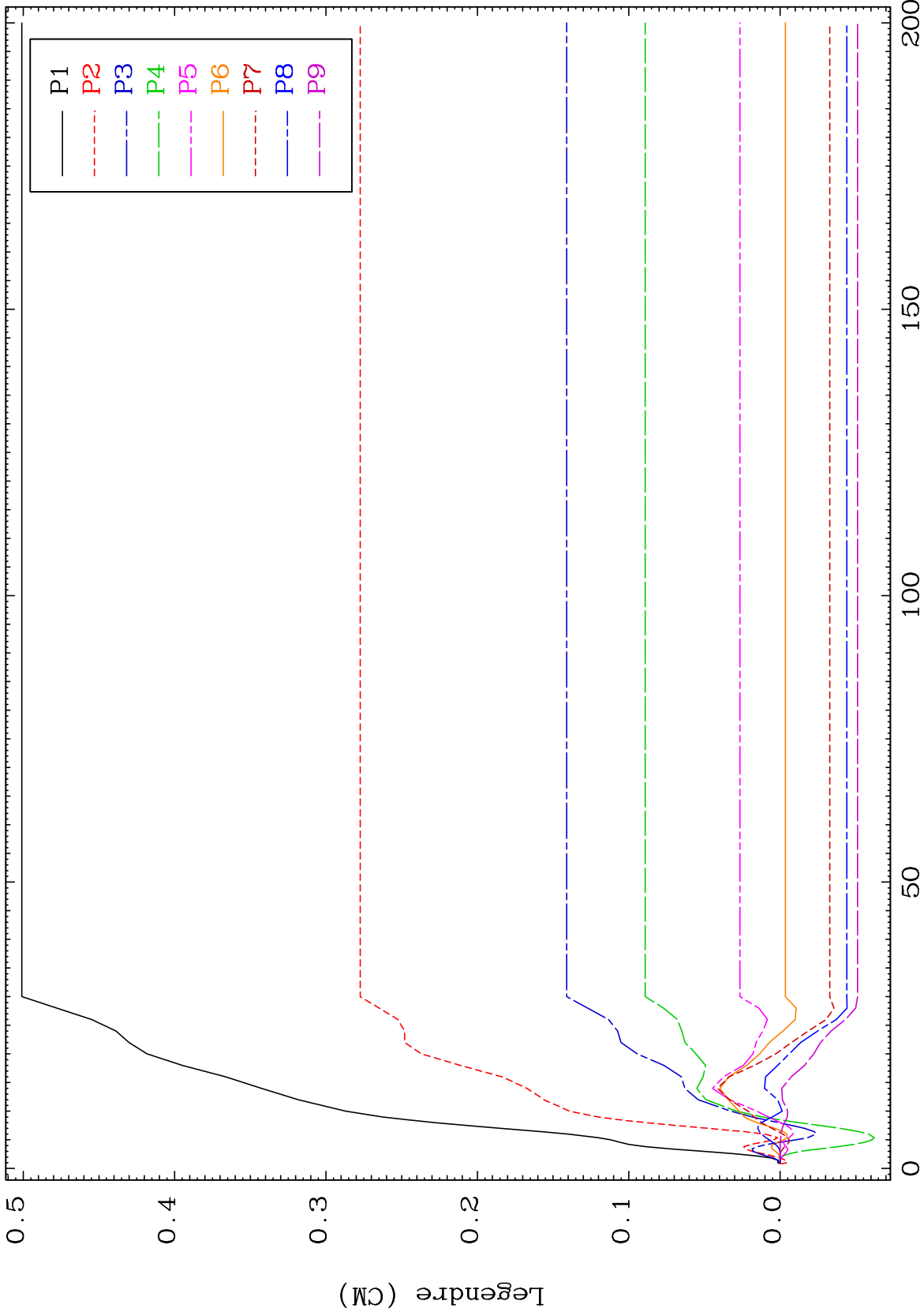


MAT 5104

MT= 74 (n,n') Level

51-Sb-114

Legendre Coefficients



0

50

100

150

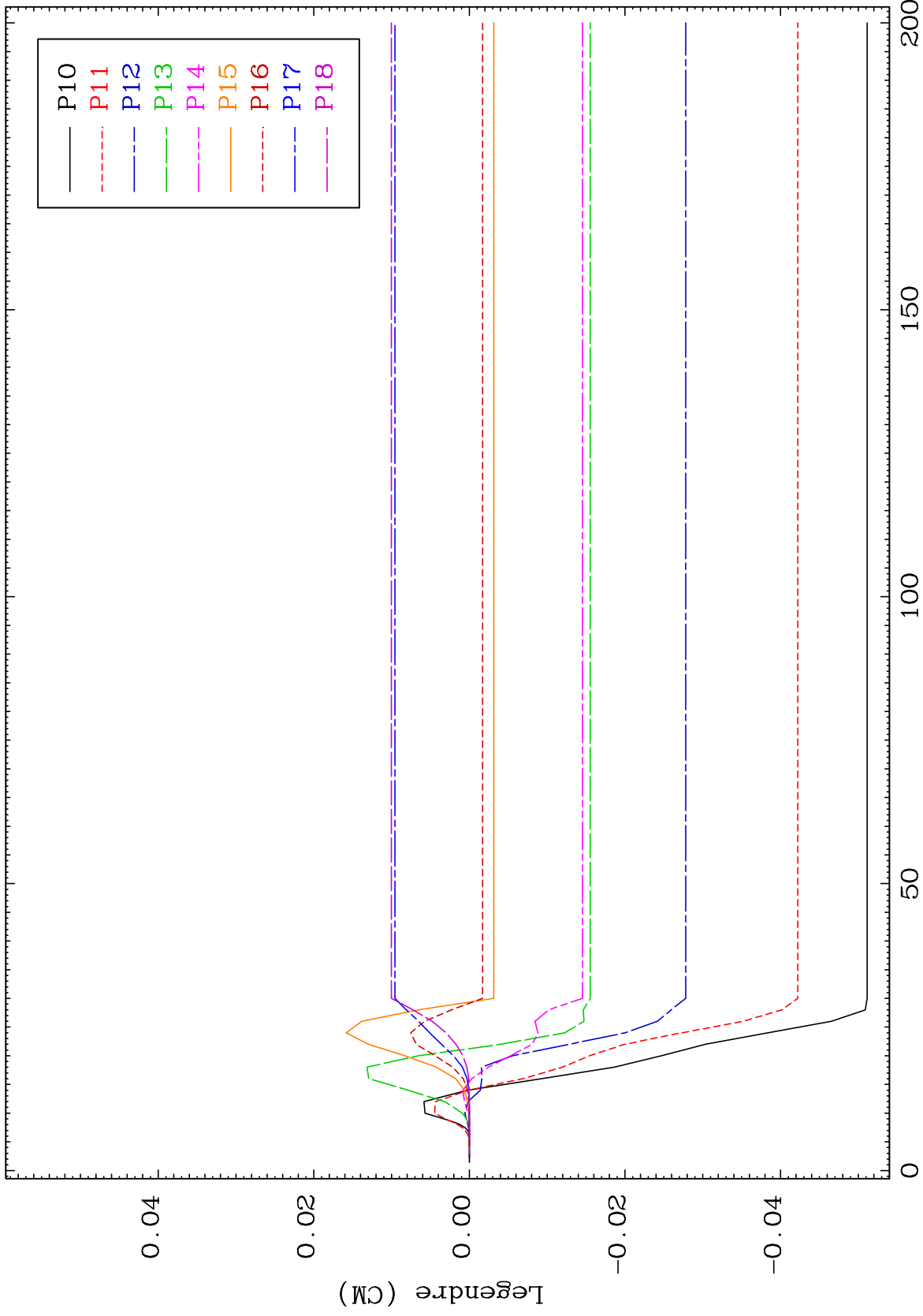
200

51-Sb-114

MAT 5104

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

51-Sb-114



103

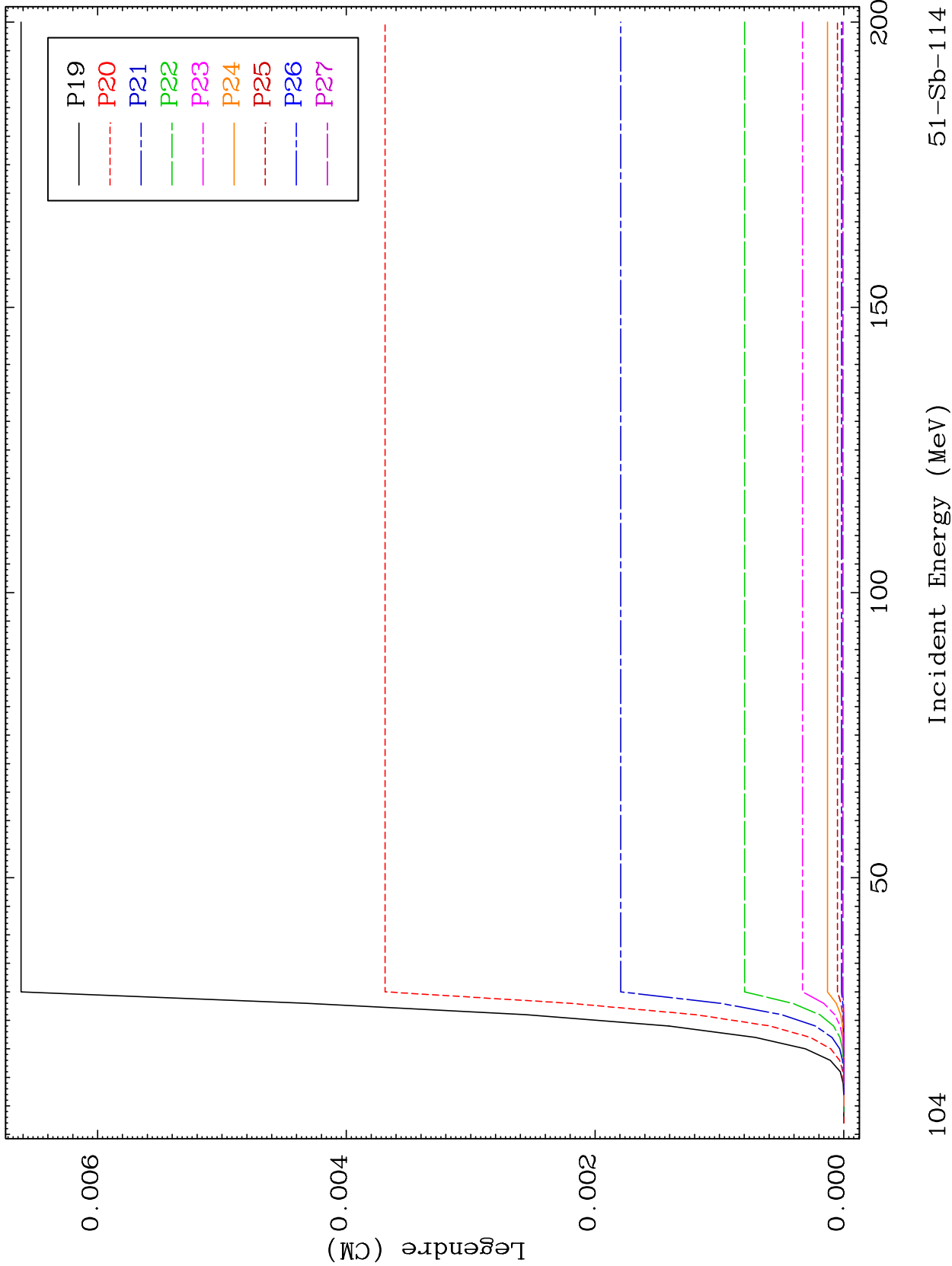
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



104

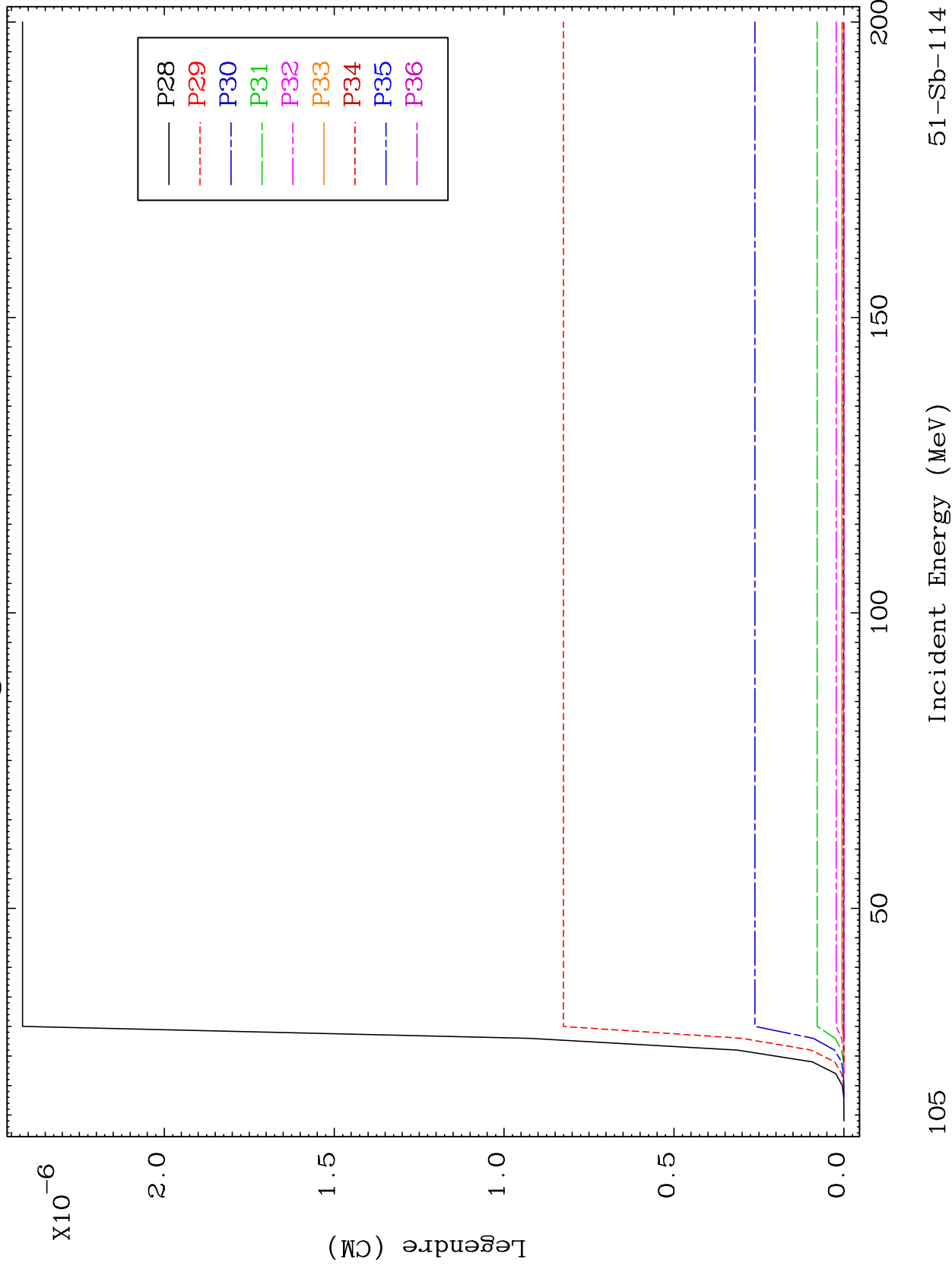
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

51-Sb-114



105

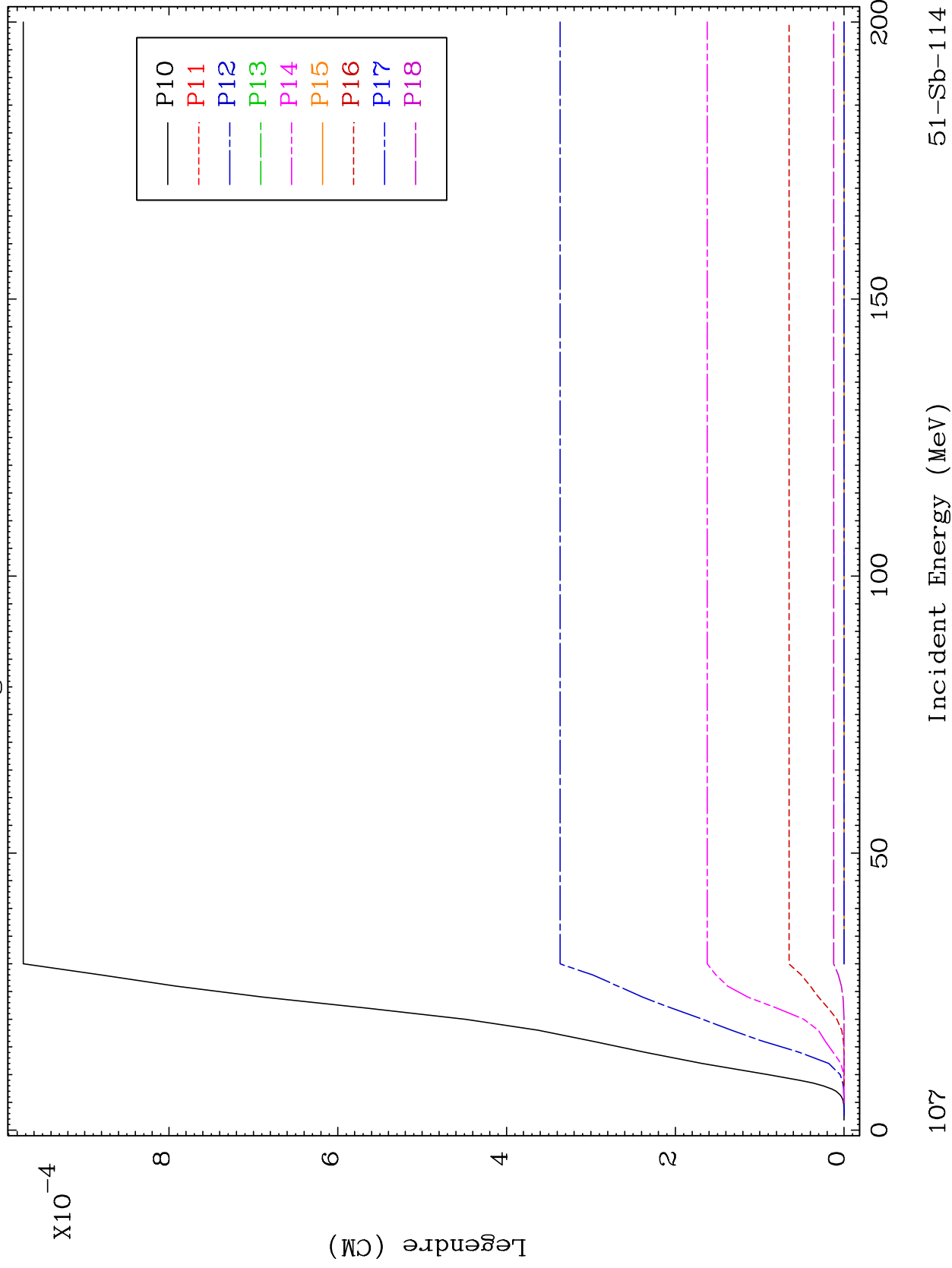
Incident Energy (MeV)

51-Sb-114

MAT 5104

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

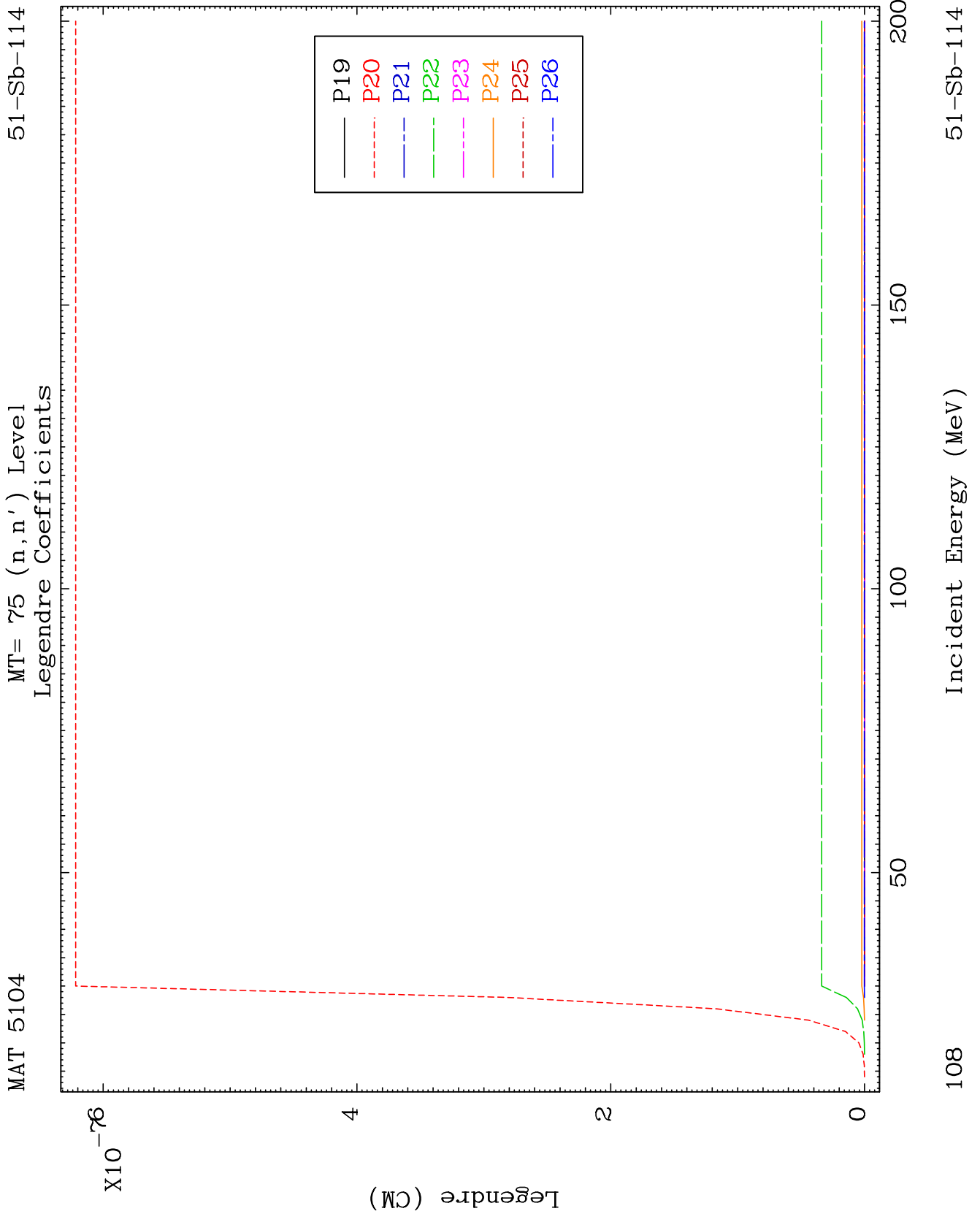
51-Sb-114

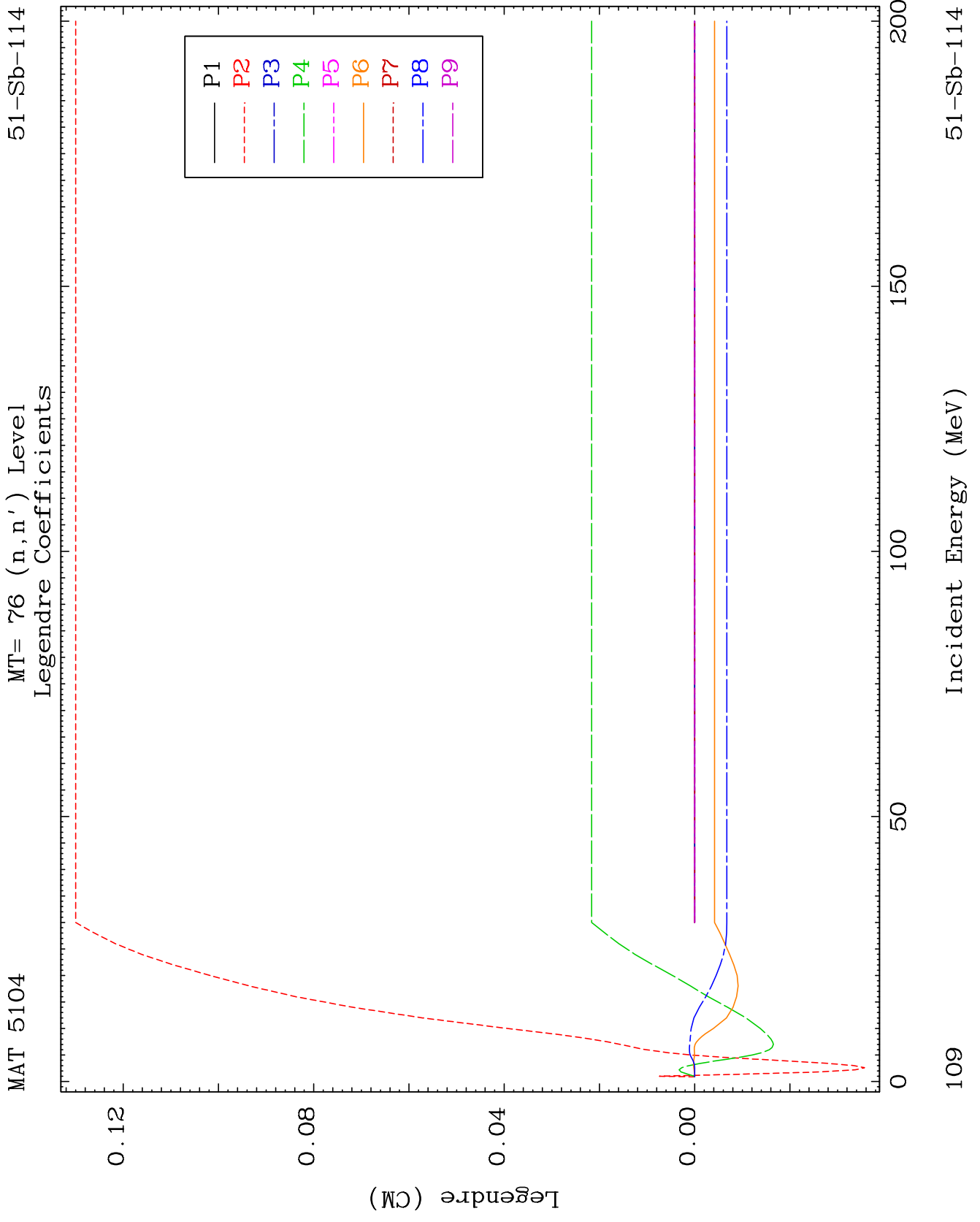


51-Sb-114

Incident Energy (MeV)

107

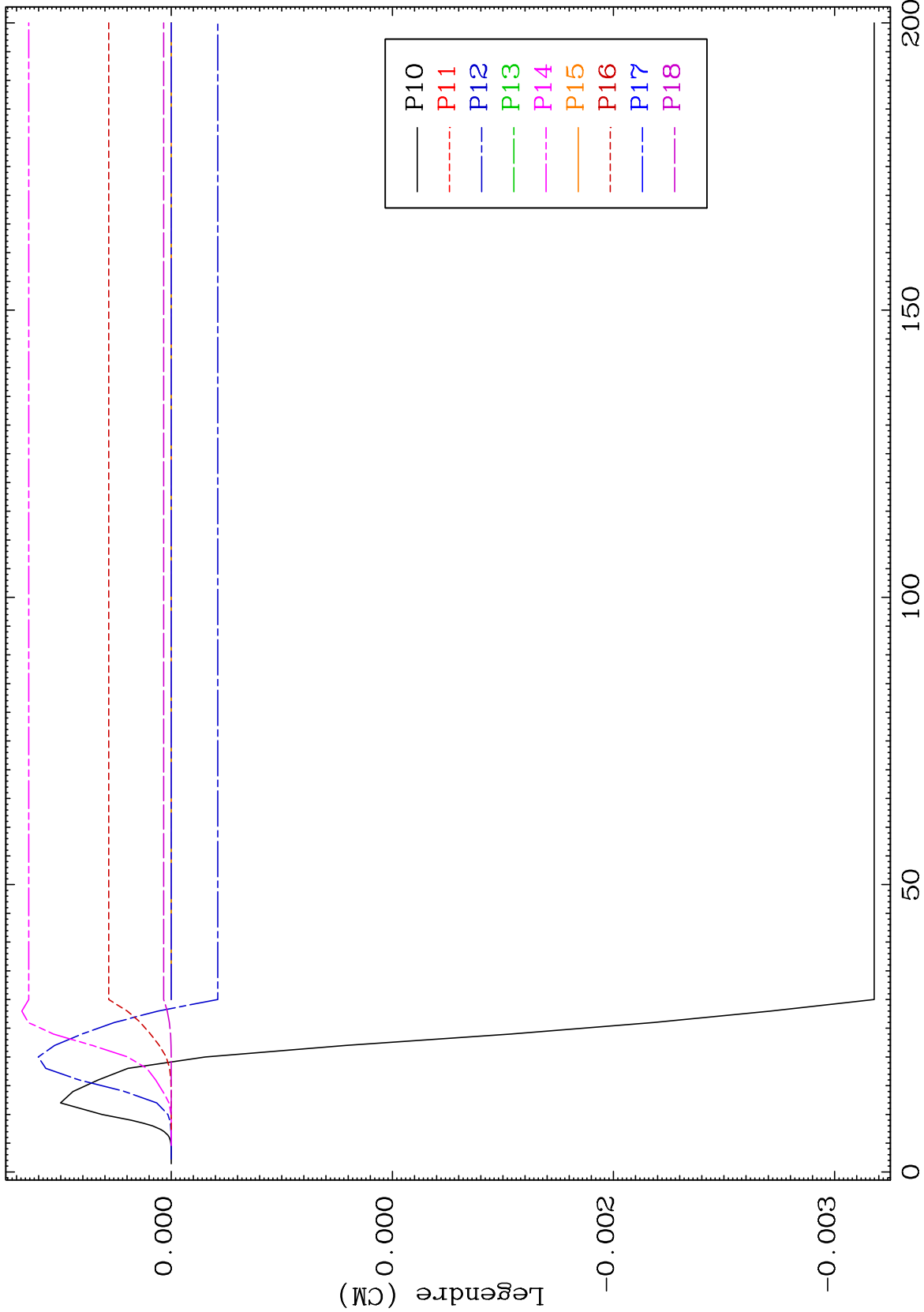




MAT 5104

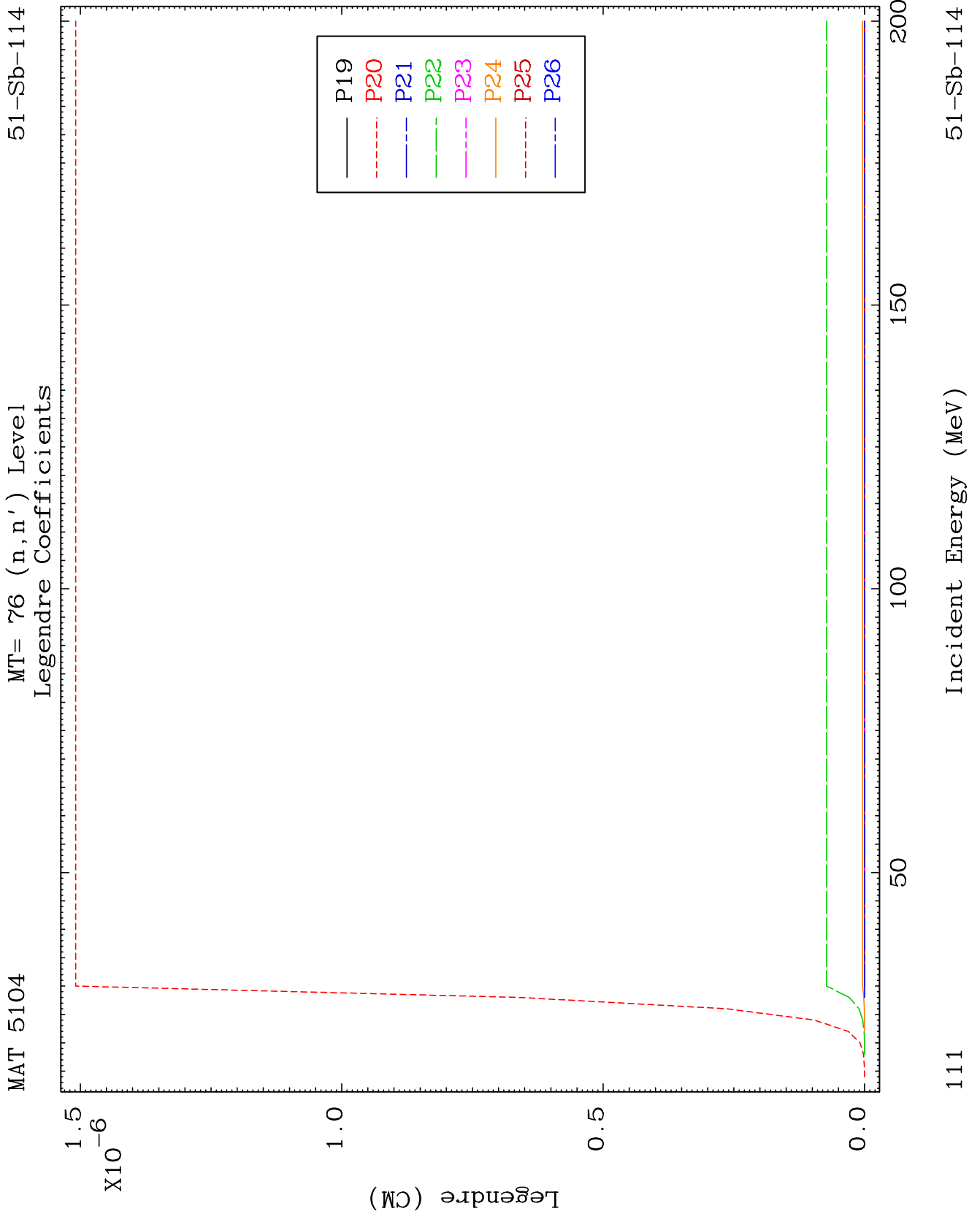
MT= 76 (n,n') Level
Legendre Coefficients

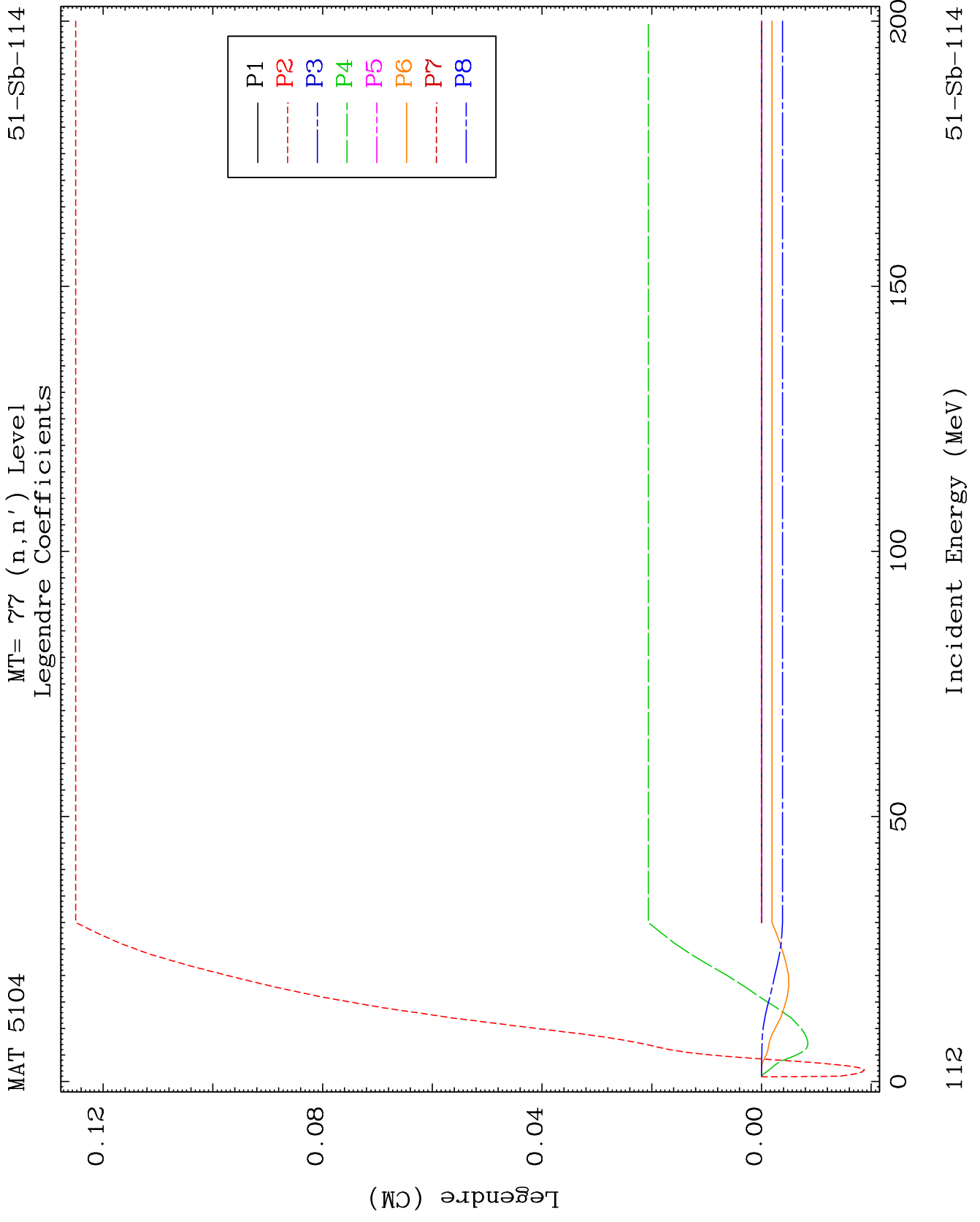
51-Sb-114



110

51-Sb-114

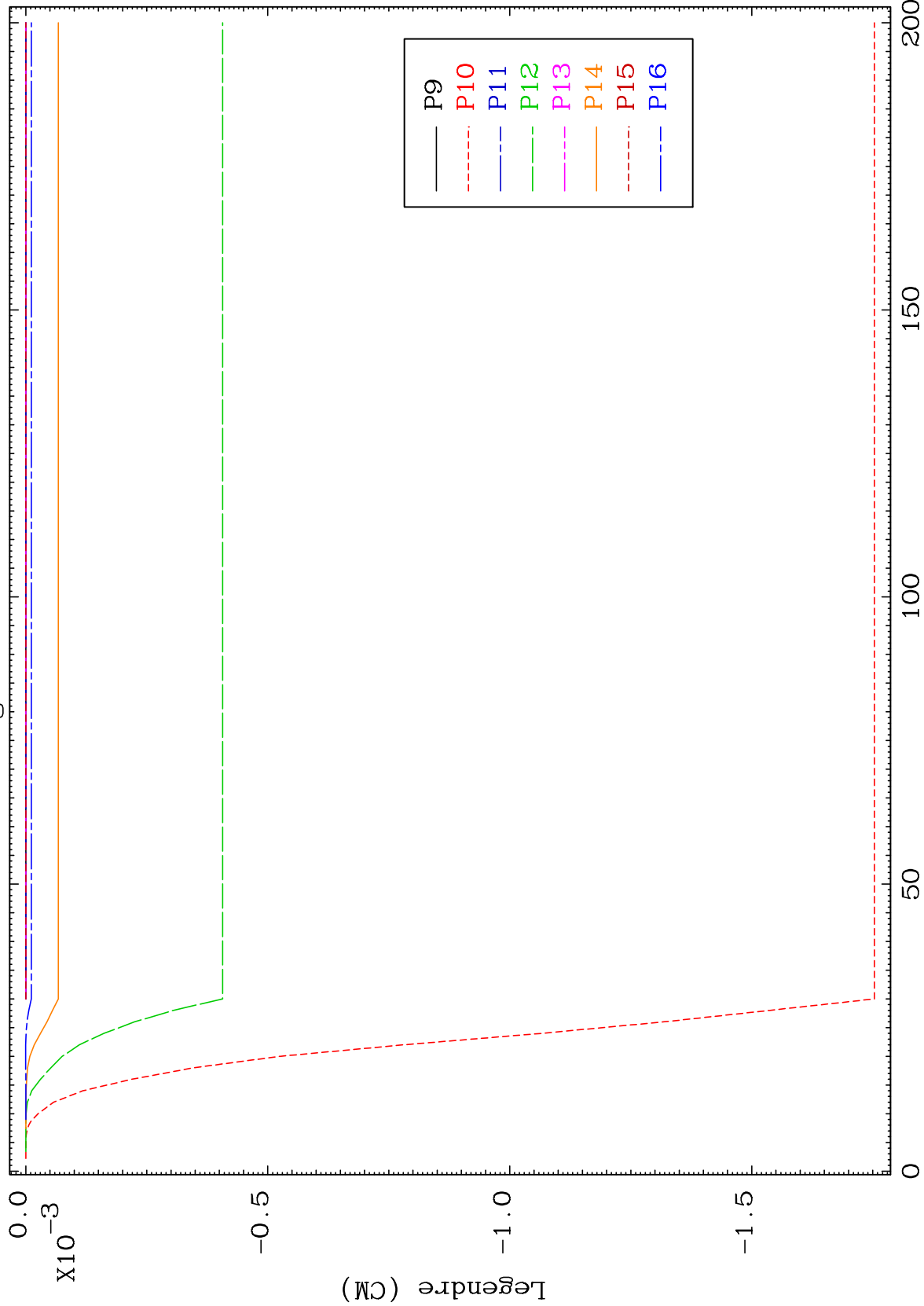




MAT 5104

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

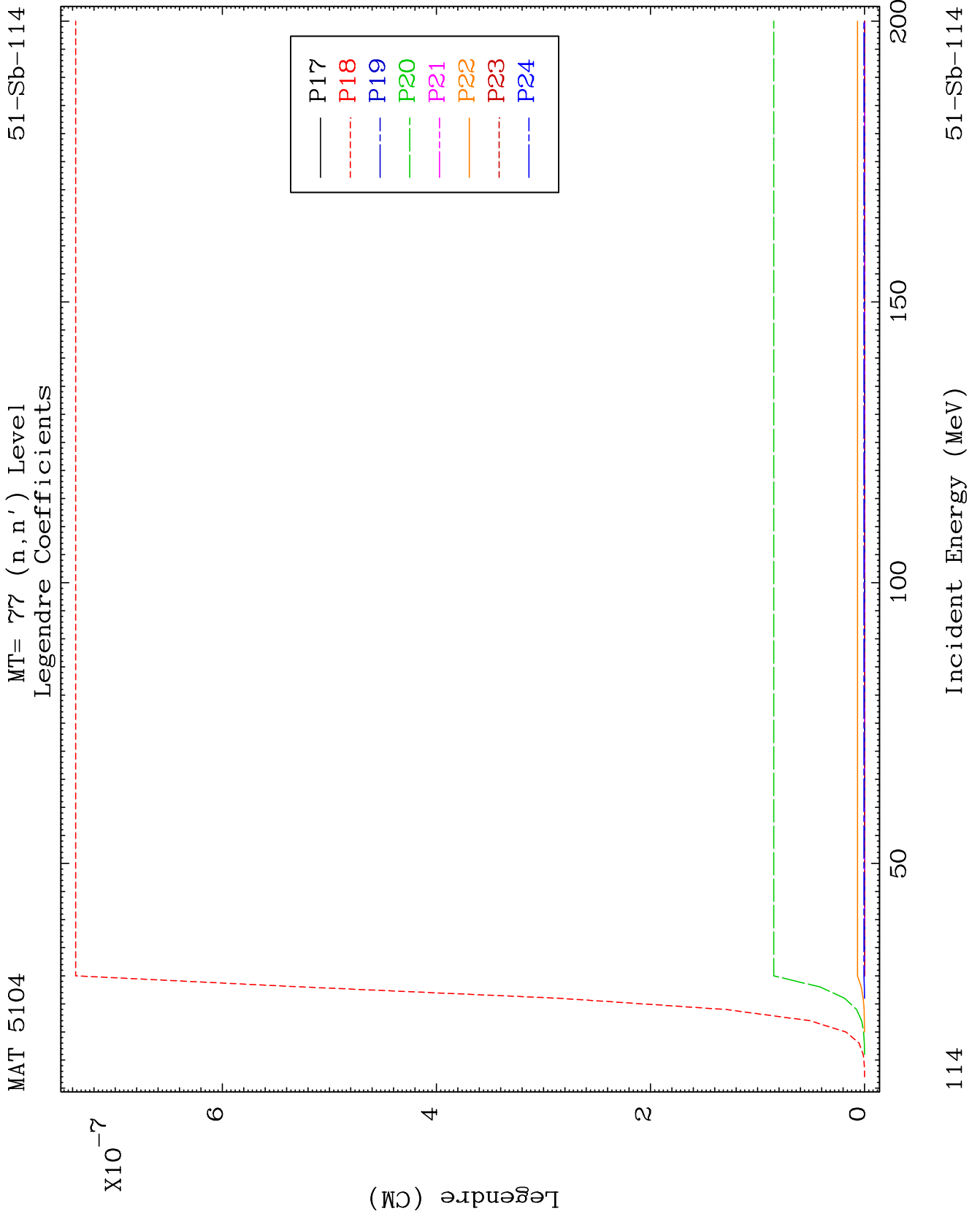
51-Sb-114



113

Incident Energy (MeV)

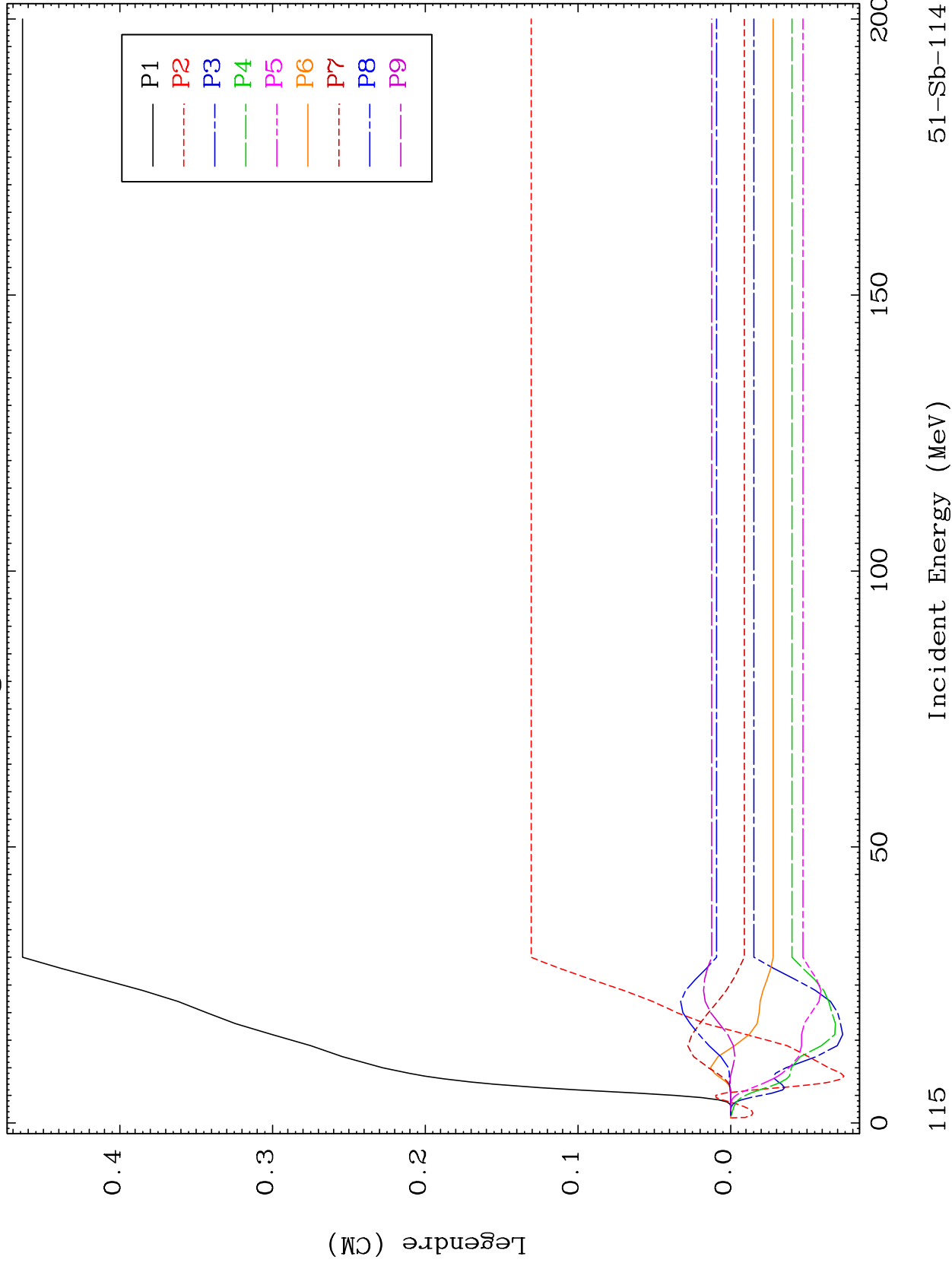
51-Sb-114



MAT 5104

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

51-Sb-114



51-Sb-114

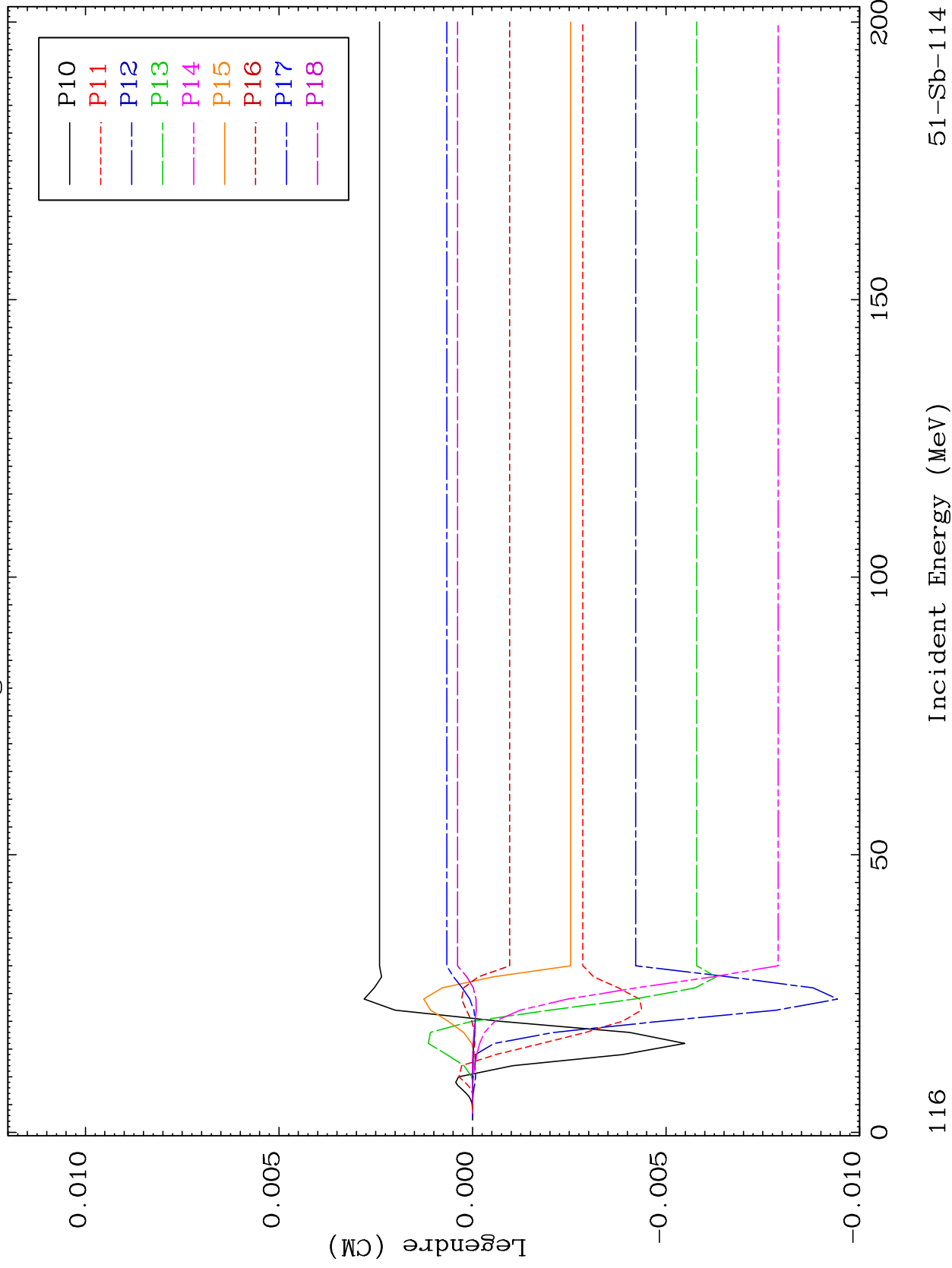
Incident Energy (MeV)

115

MAT 5104

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

51-Sb-114



51-Sb-114

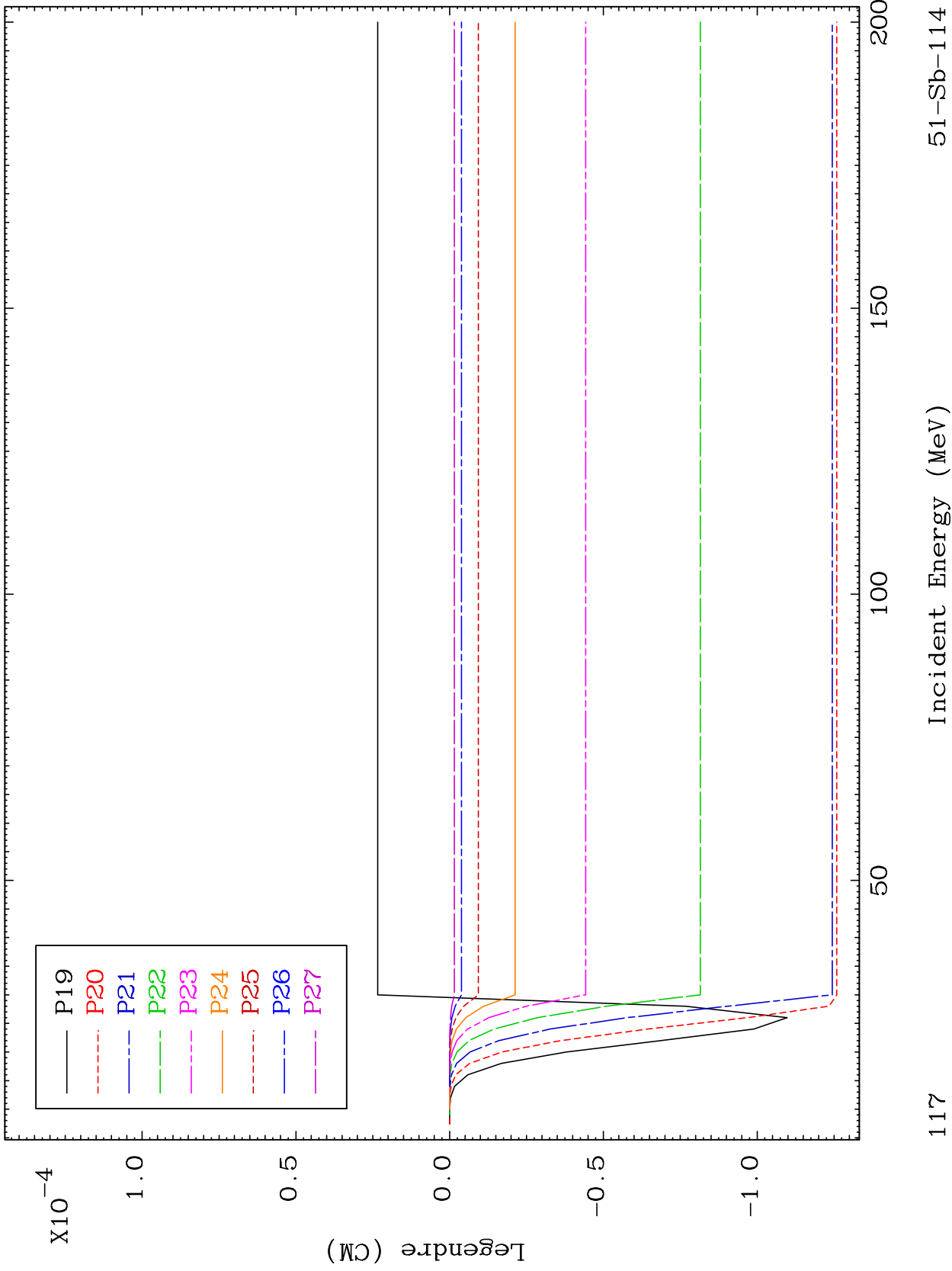
Incident Energy (MeV)

116

MAT 5104

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

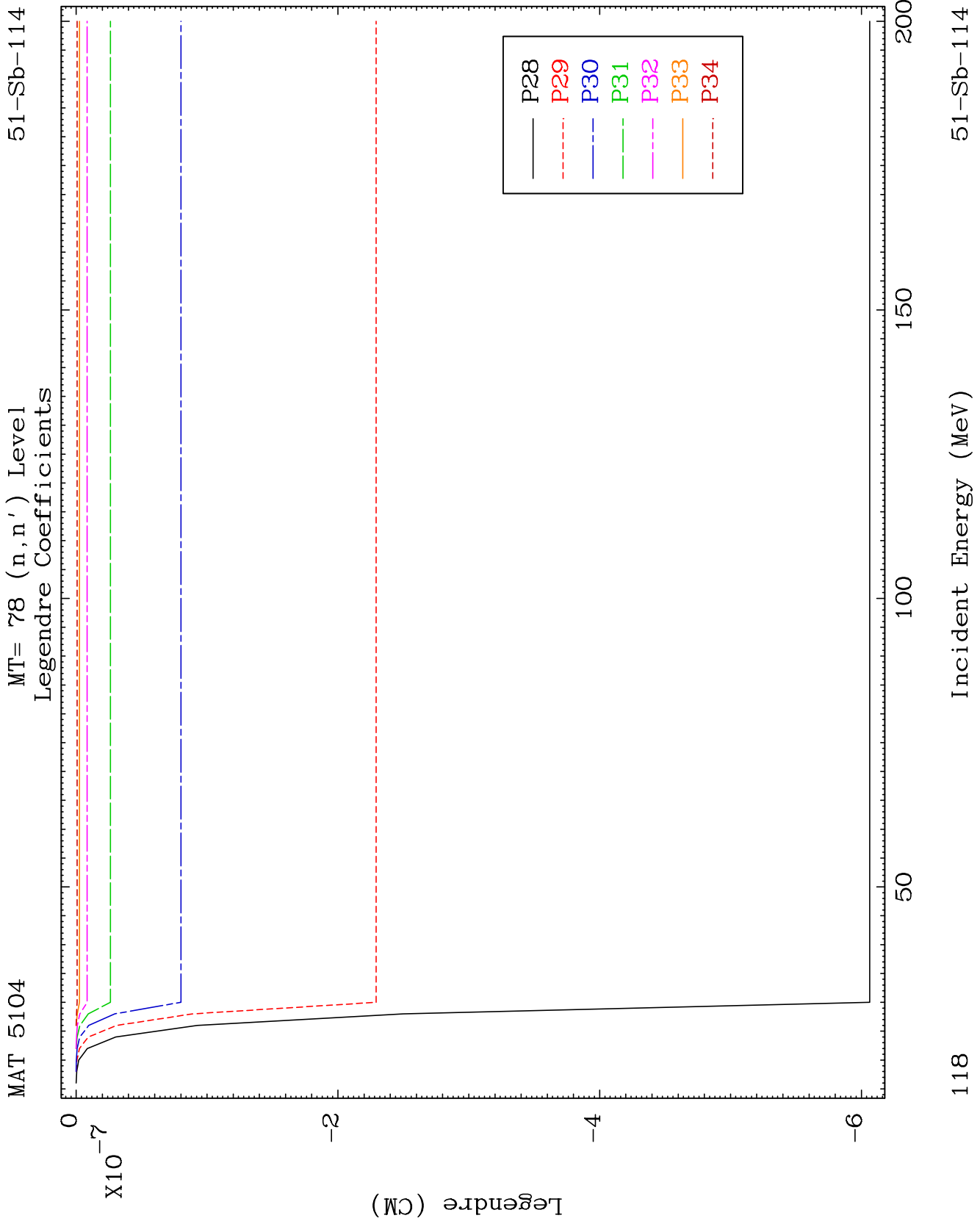
51-Sb-114



117

Incident Energy (MeV)

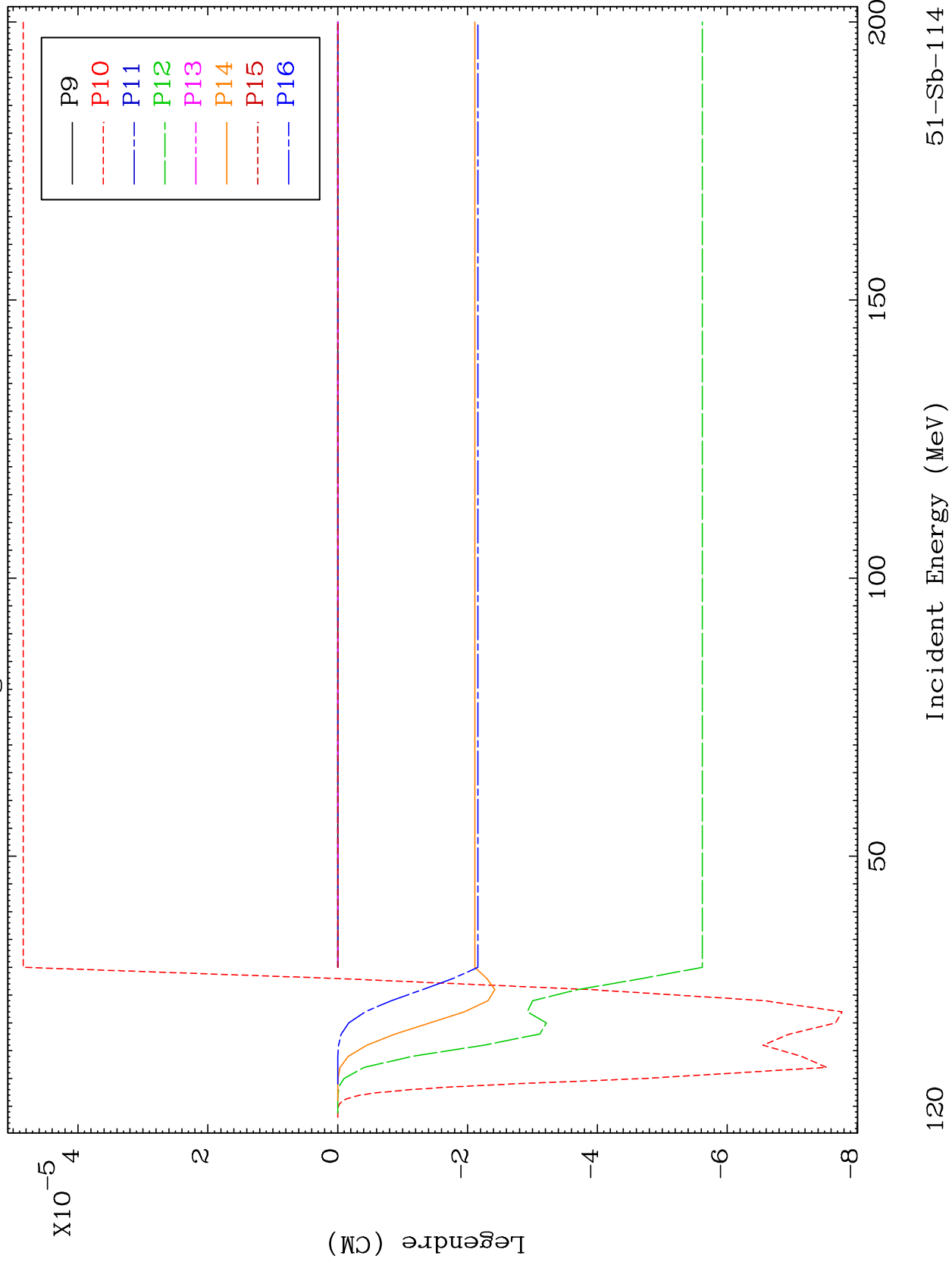
51-Sb-114

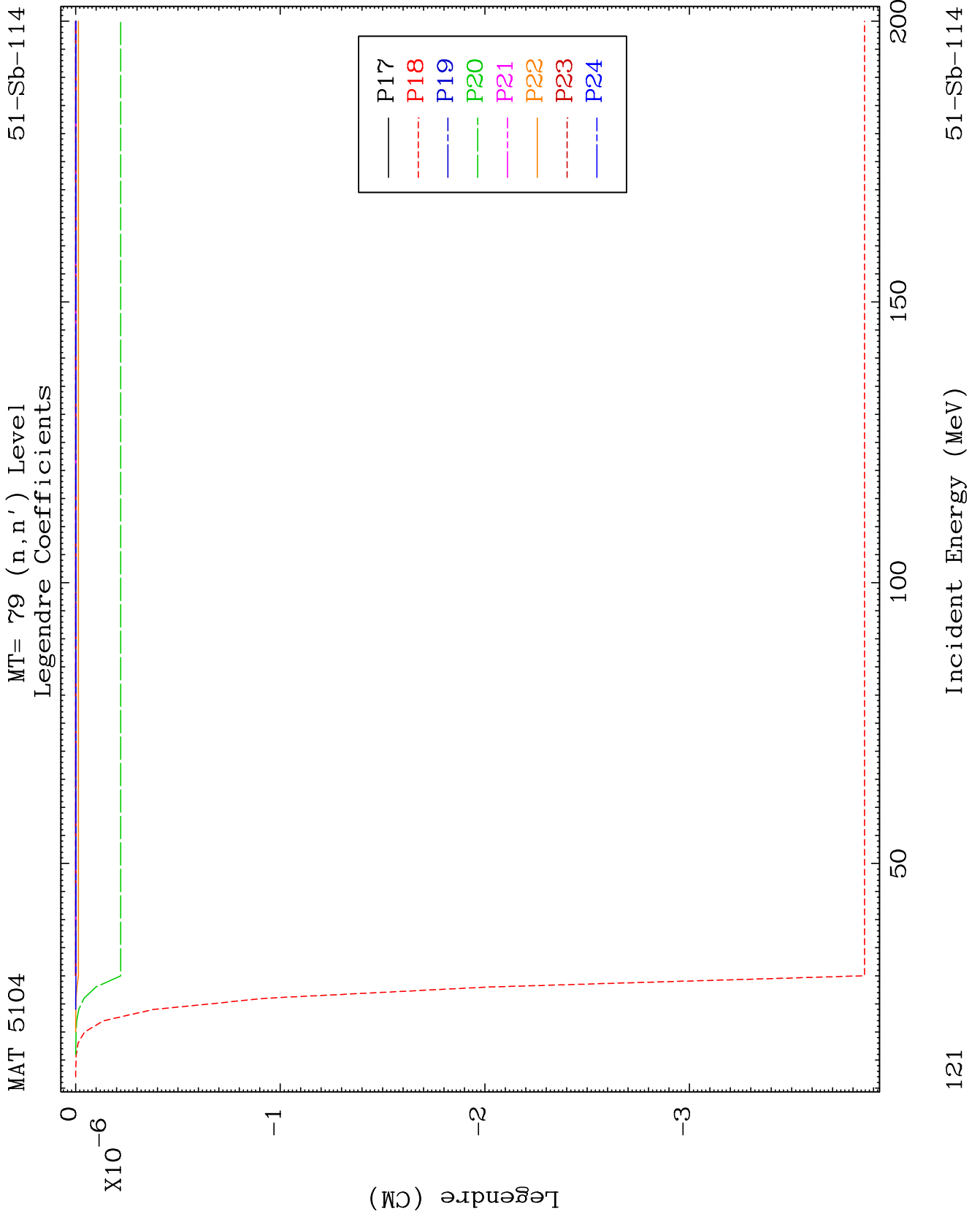


MAT 5104

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

51-Sb-114



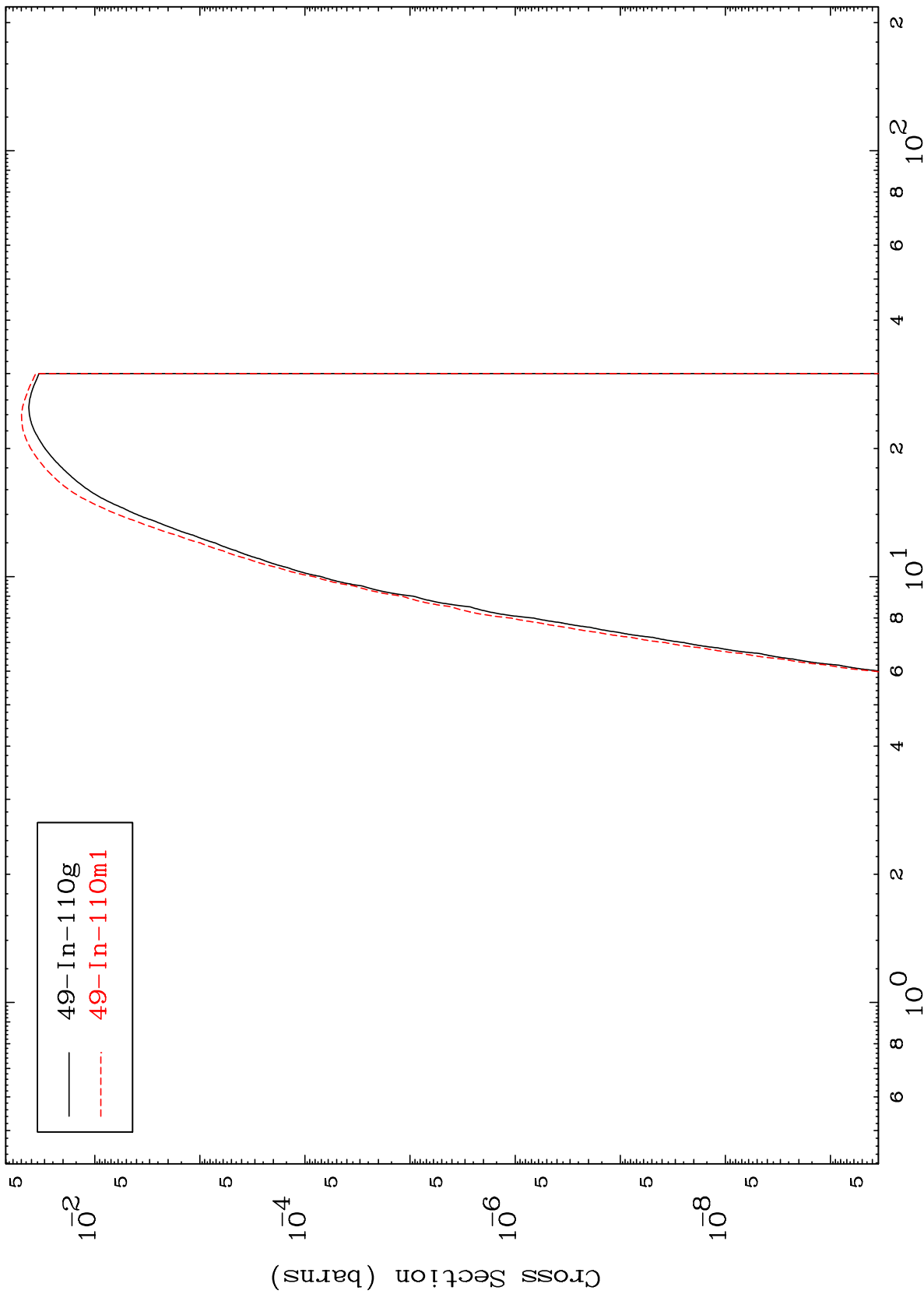


MAT 5104

(n,n') α

51-Sb-114

Radionuclide Production Cross Section



— 49-In-110g
- - - 49-In-110m1

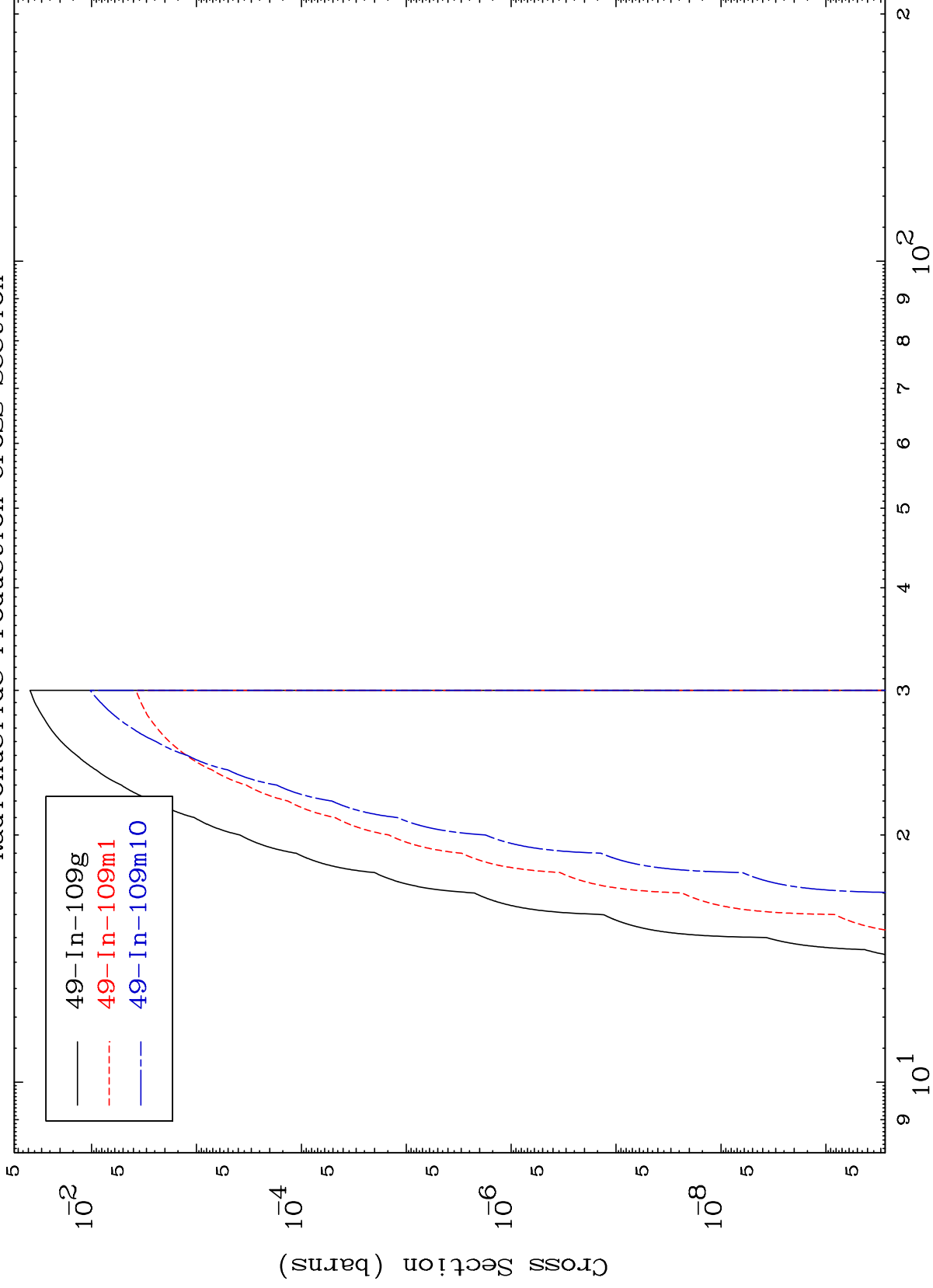
122

Incident Energy (MeV)

51-Sb-114

(n,2n) α

Radionuclide Production Cross Section

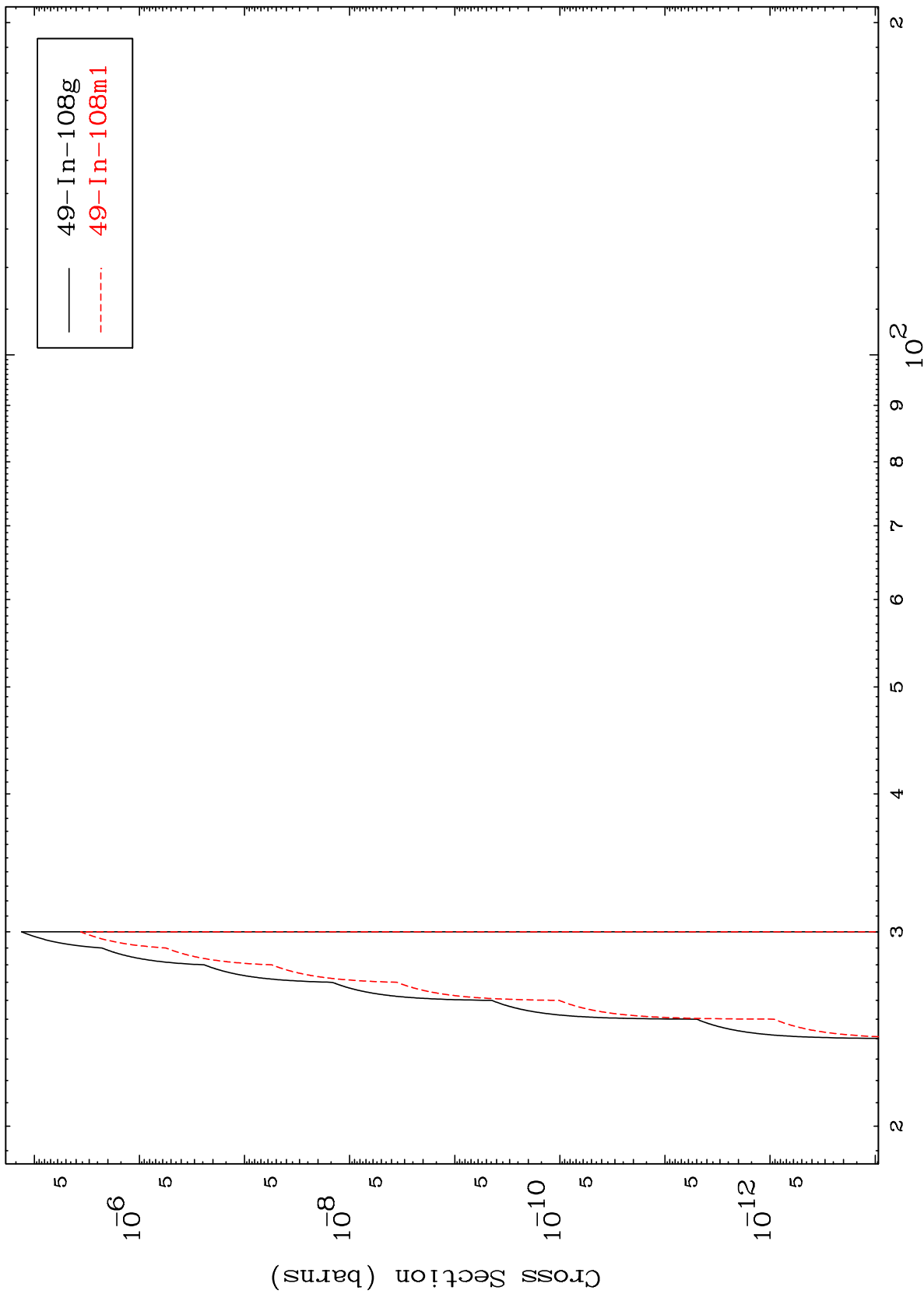


MAT 5104

(n,3n) α

51-Sb-114

Radionuclide Production Cross Section



124

Incident Energy (MeV)

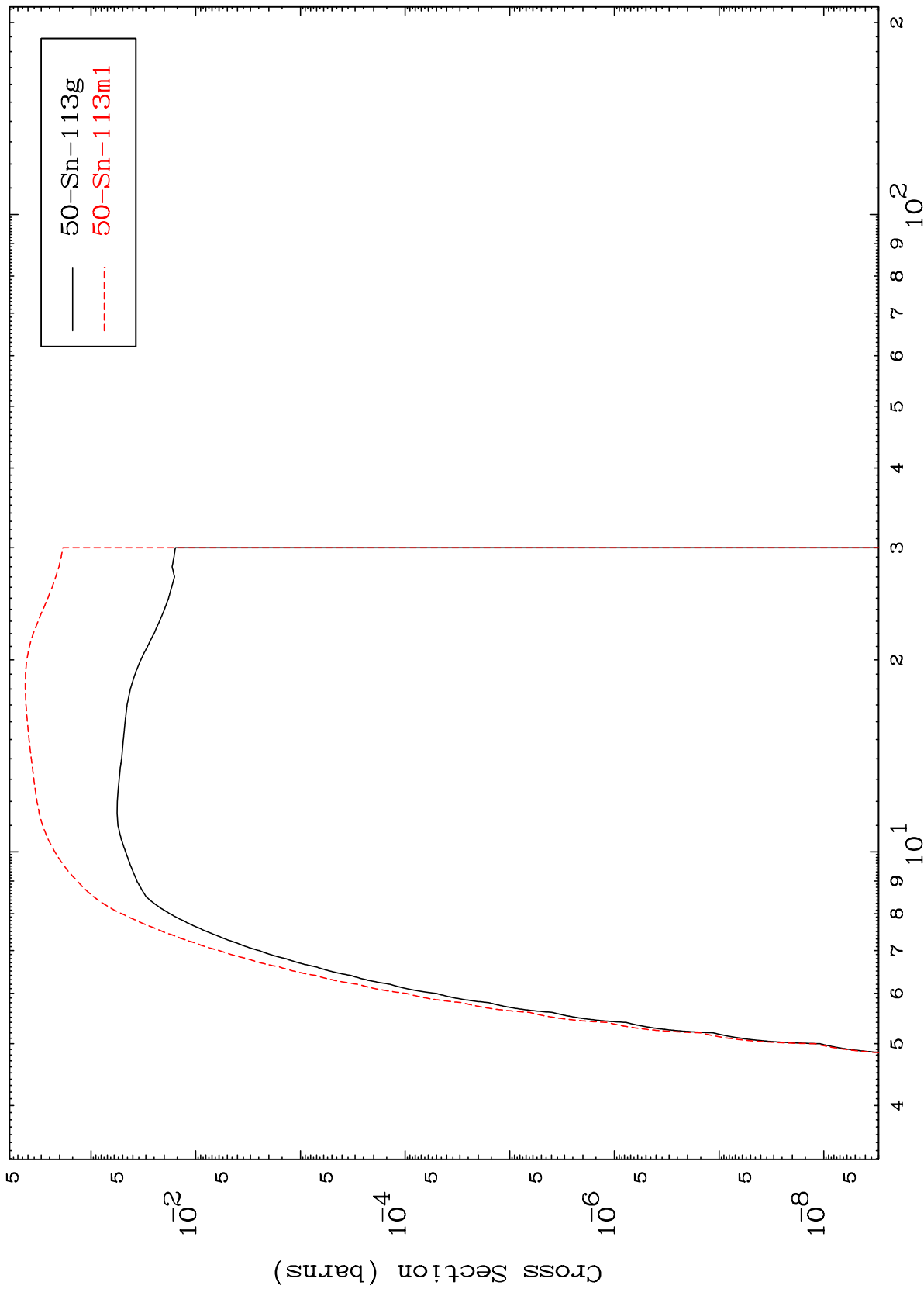
51-Sb-114

MAT 5104

(n,n') p

51-Sb-114

Radionuclide Production Cross Section



125

Incident Energy (MeV)

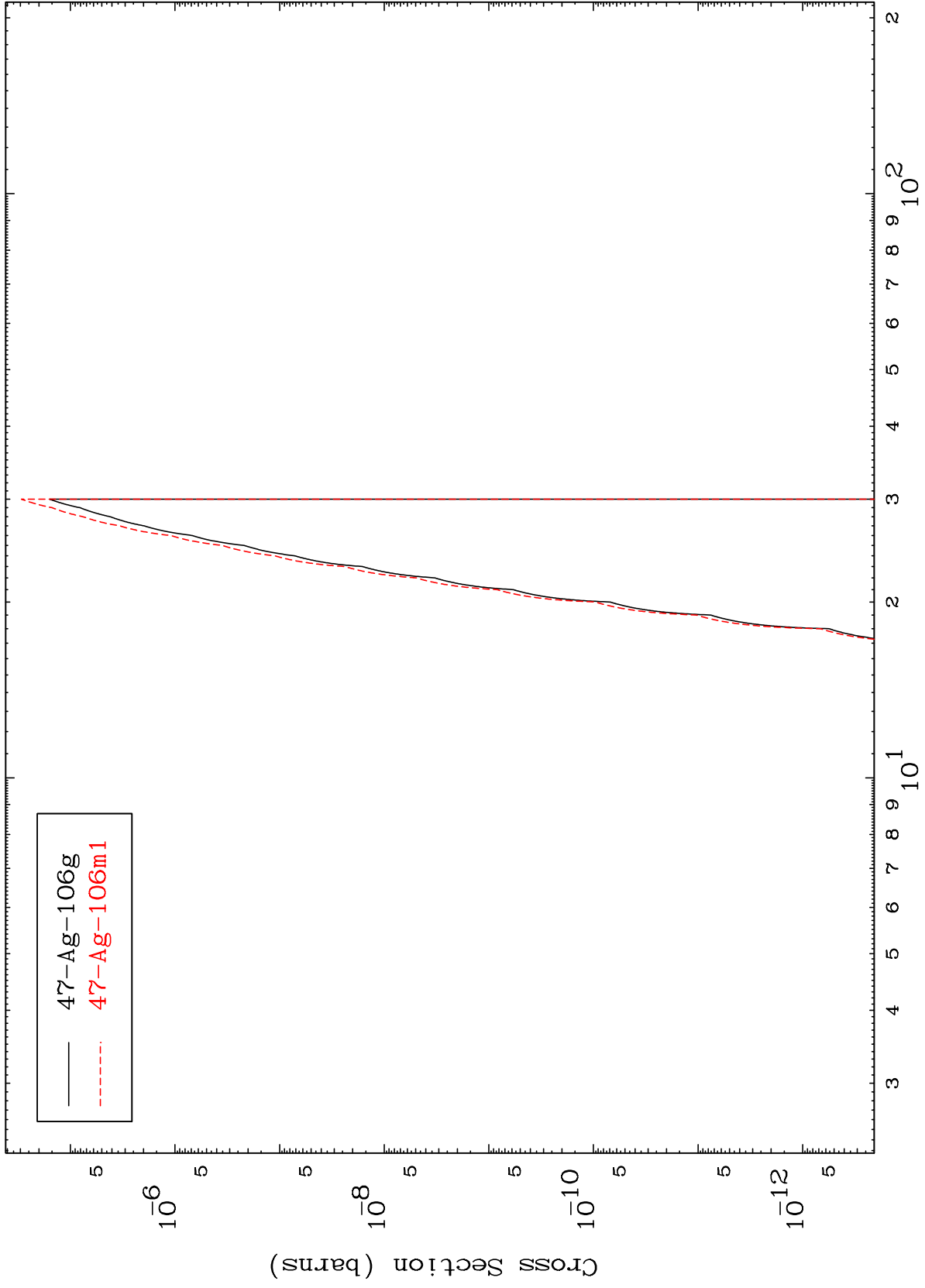
51-Sb-114

MAT 5104

(n,n') 2α

51-Sb-114

Radionuclide Production Cross Section

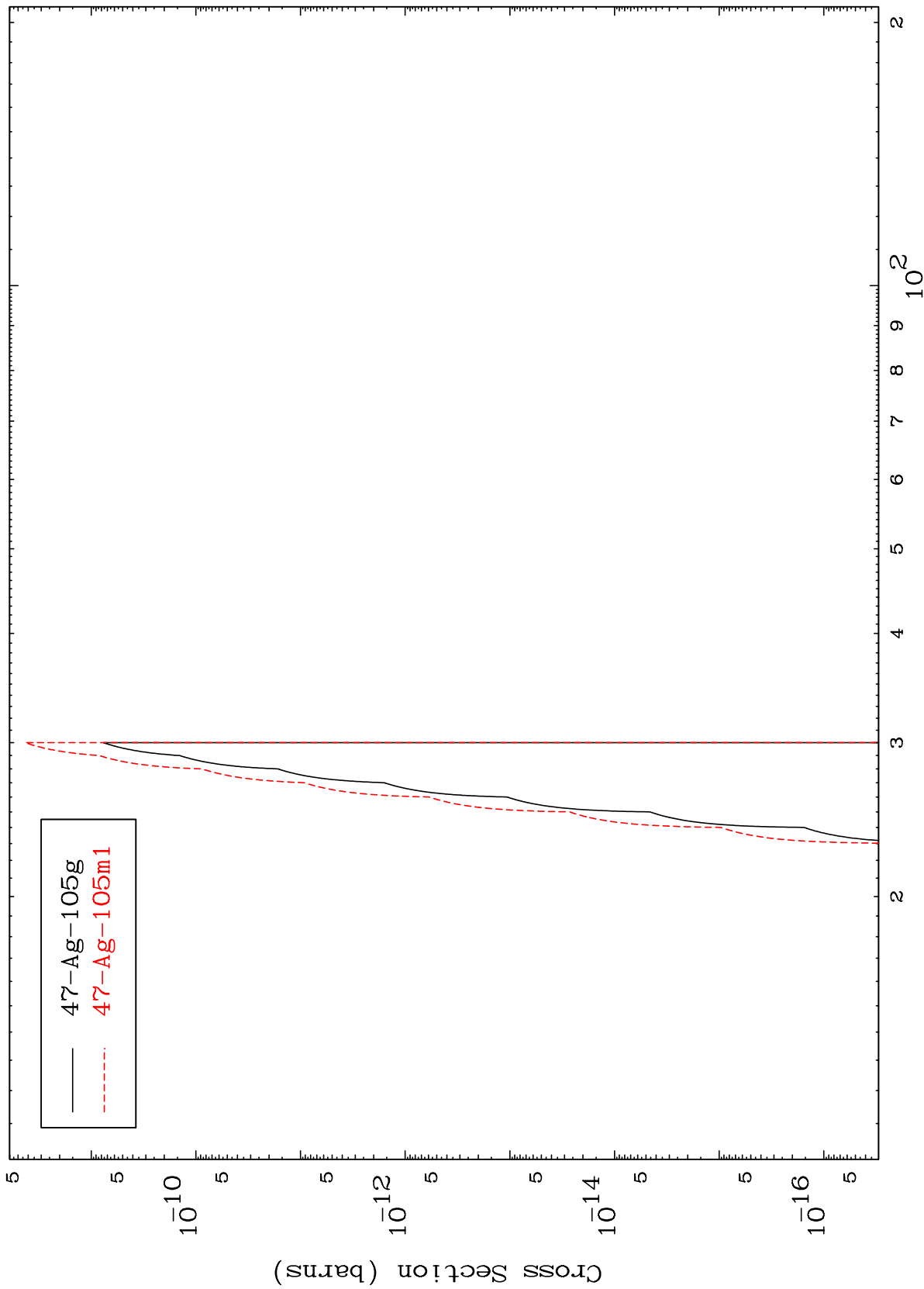


— 47-Ag-106g
- - - 47-Ag-106m1

MAT 5104

51-Sb-114

(n,2n) 2 α
Radionuclide Production Cross Section



127

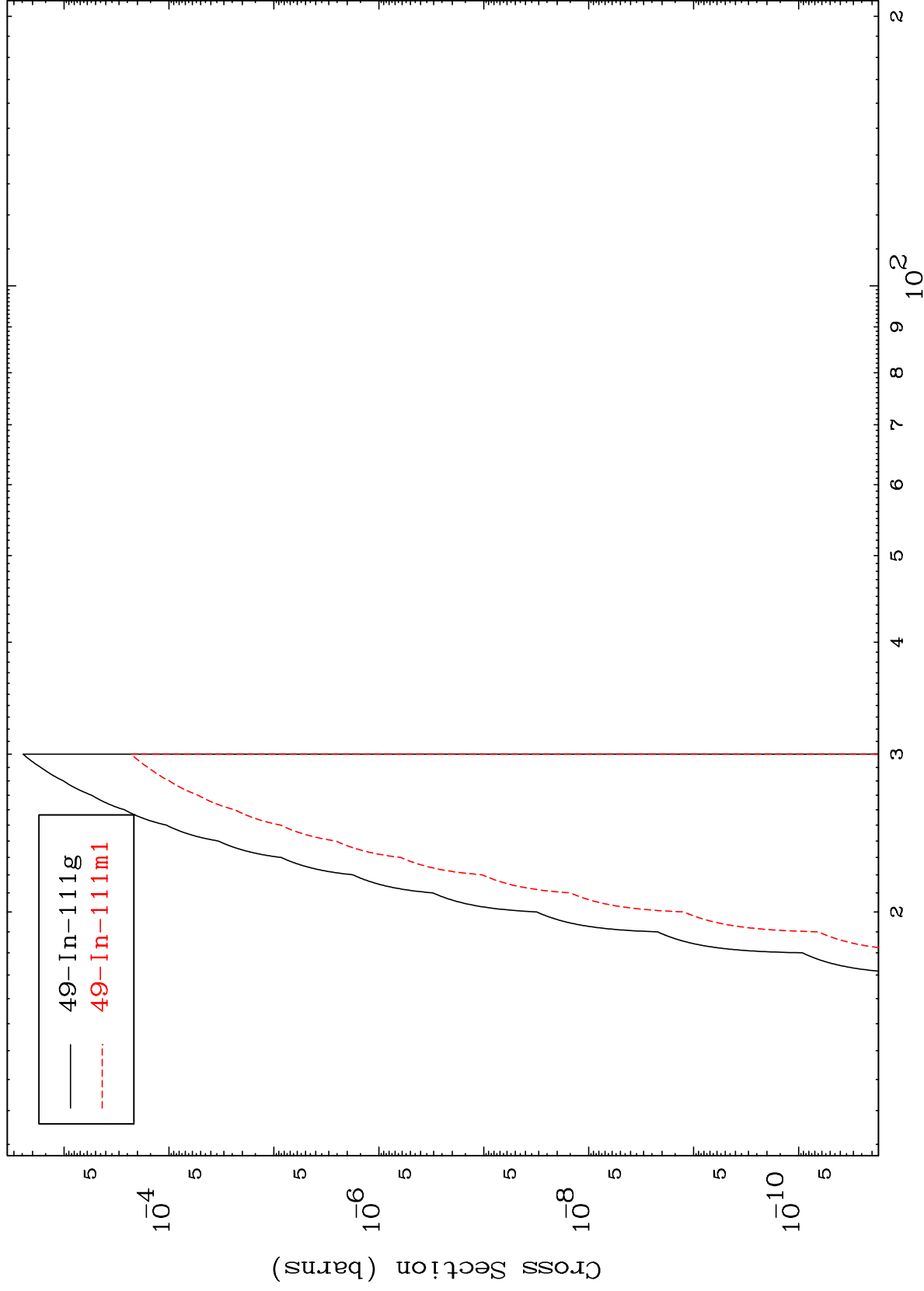
51-Sb-114

MAT 5104

(n,n') He-3

51-Sb-114

Radionuclide Production Cross Section

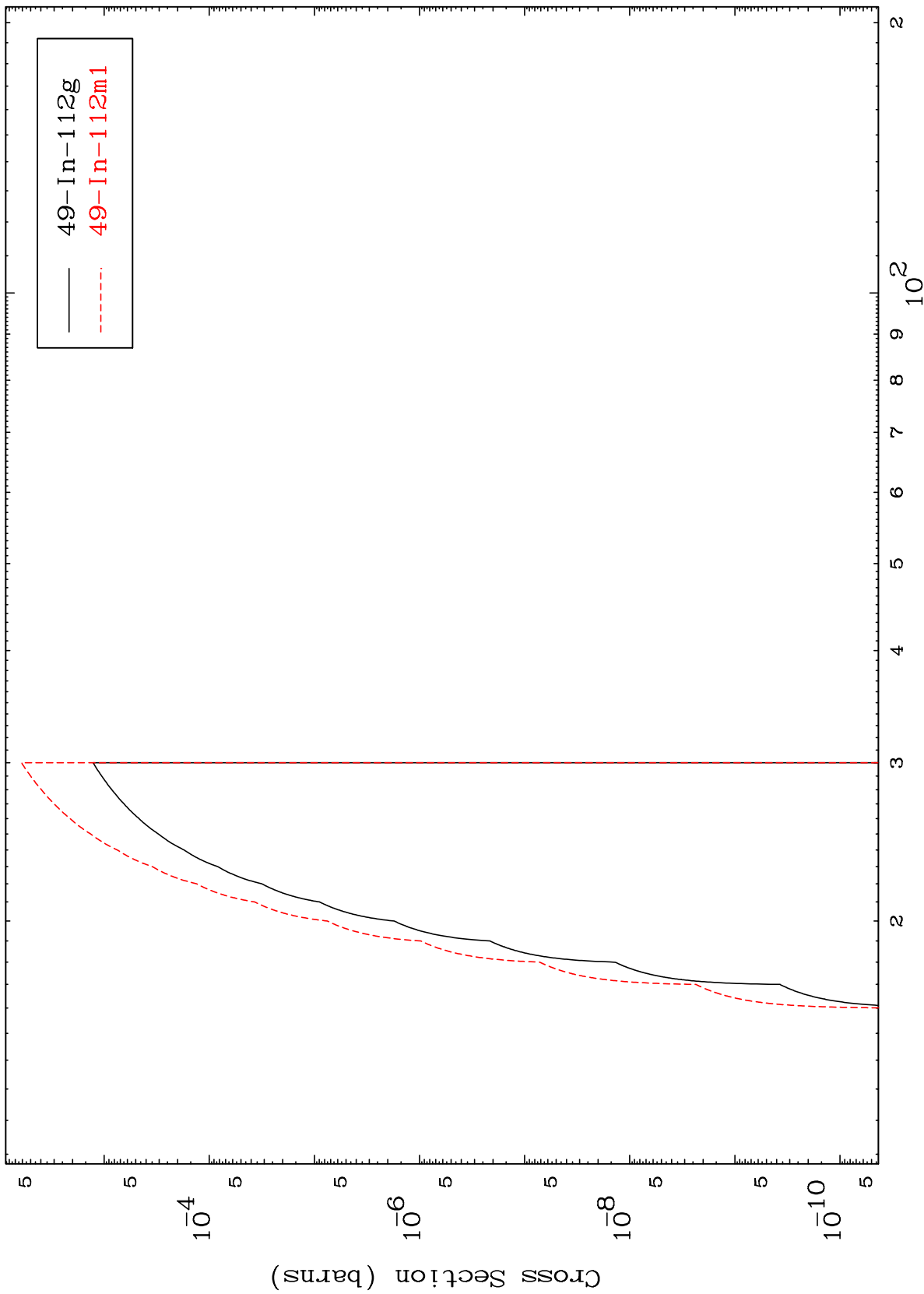


128

Incident Energy (MeV)

51-Sb-114

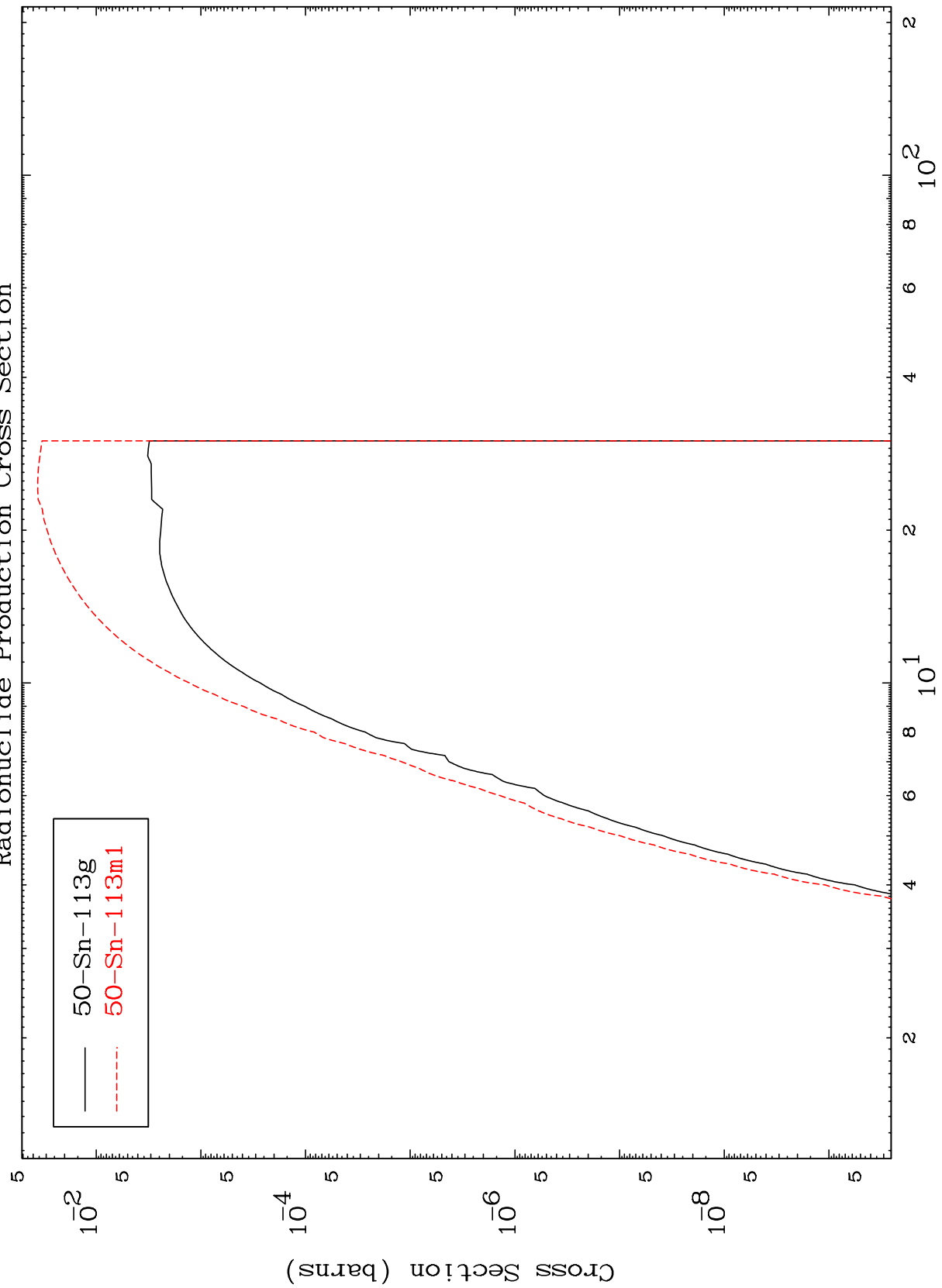
(n,2n) p
Radionuclide Production Cross Section



MAT 5104

51-Sb-114

(n,d)
Radionuclide Production Cross Section



51-Sb-114

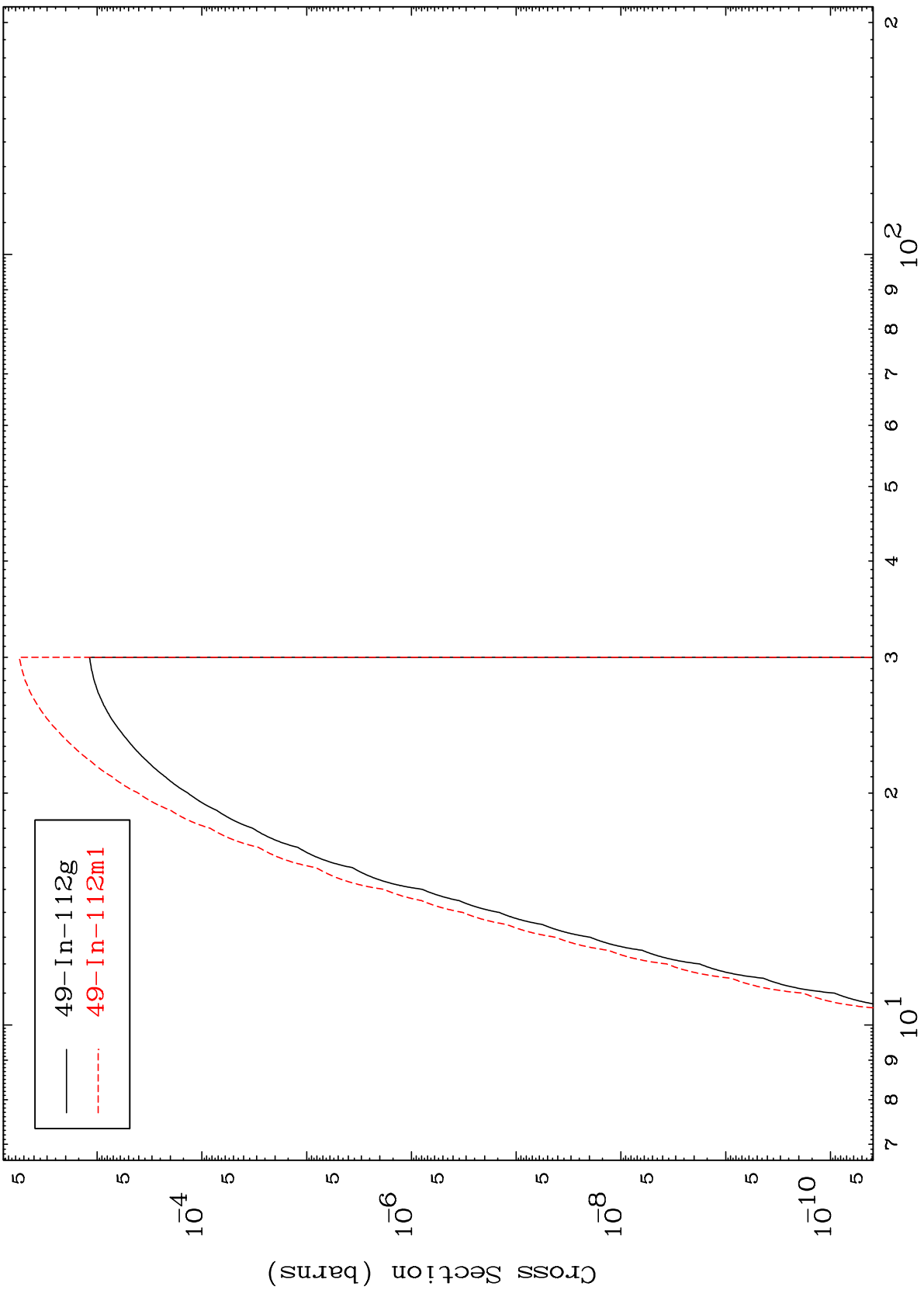
Incident Energy (MeV)

130

MAT 5104

51-Sb-114

(n,He-3)
Radionuclide Production Cross Section



131

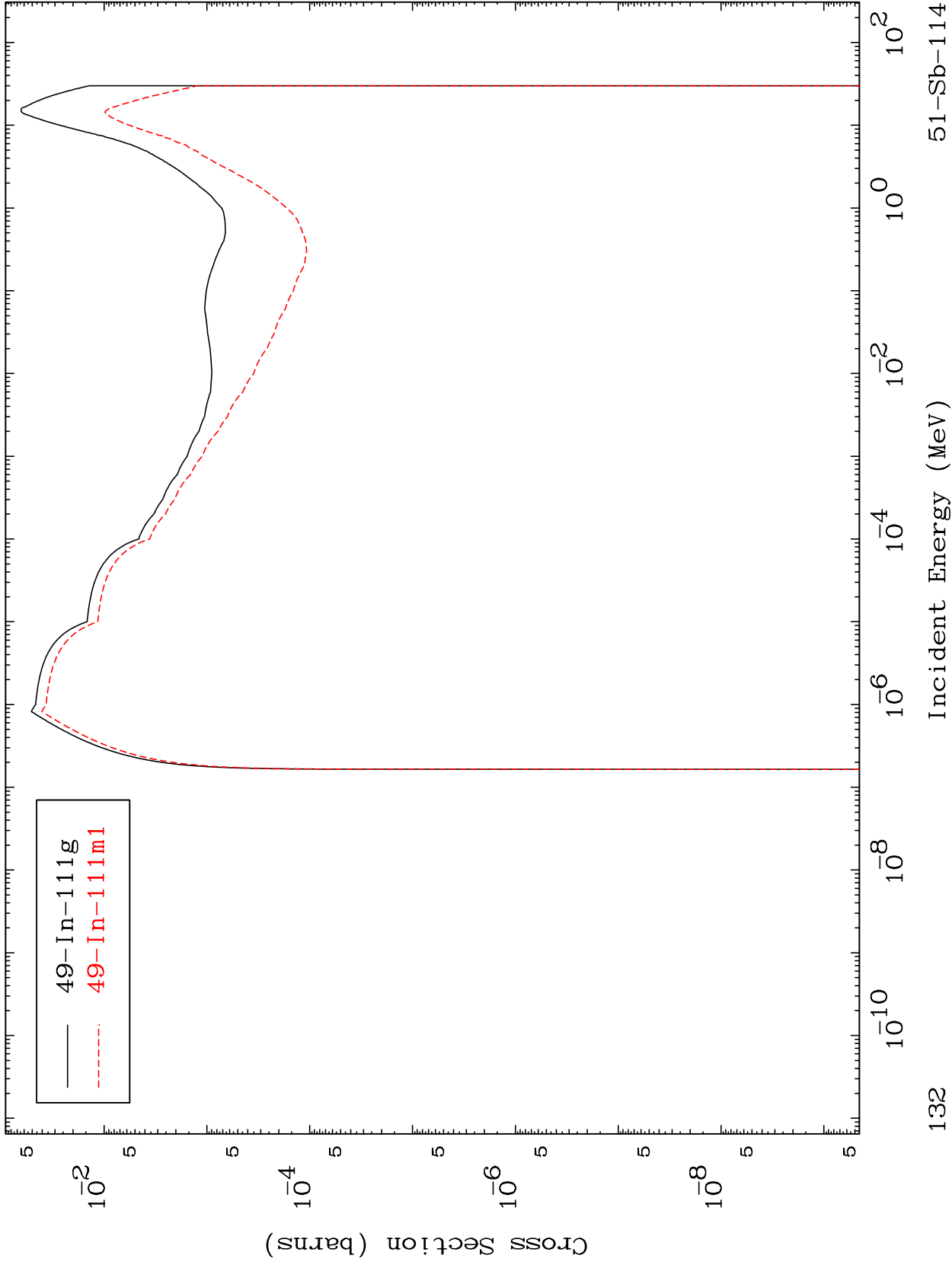
Incident Energy (MeV)

51-Sb-114

MAT 5104

51-Sb-114

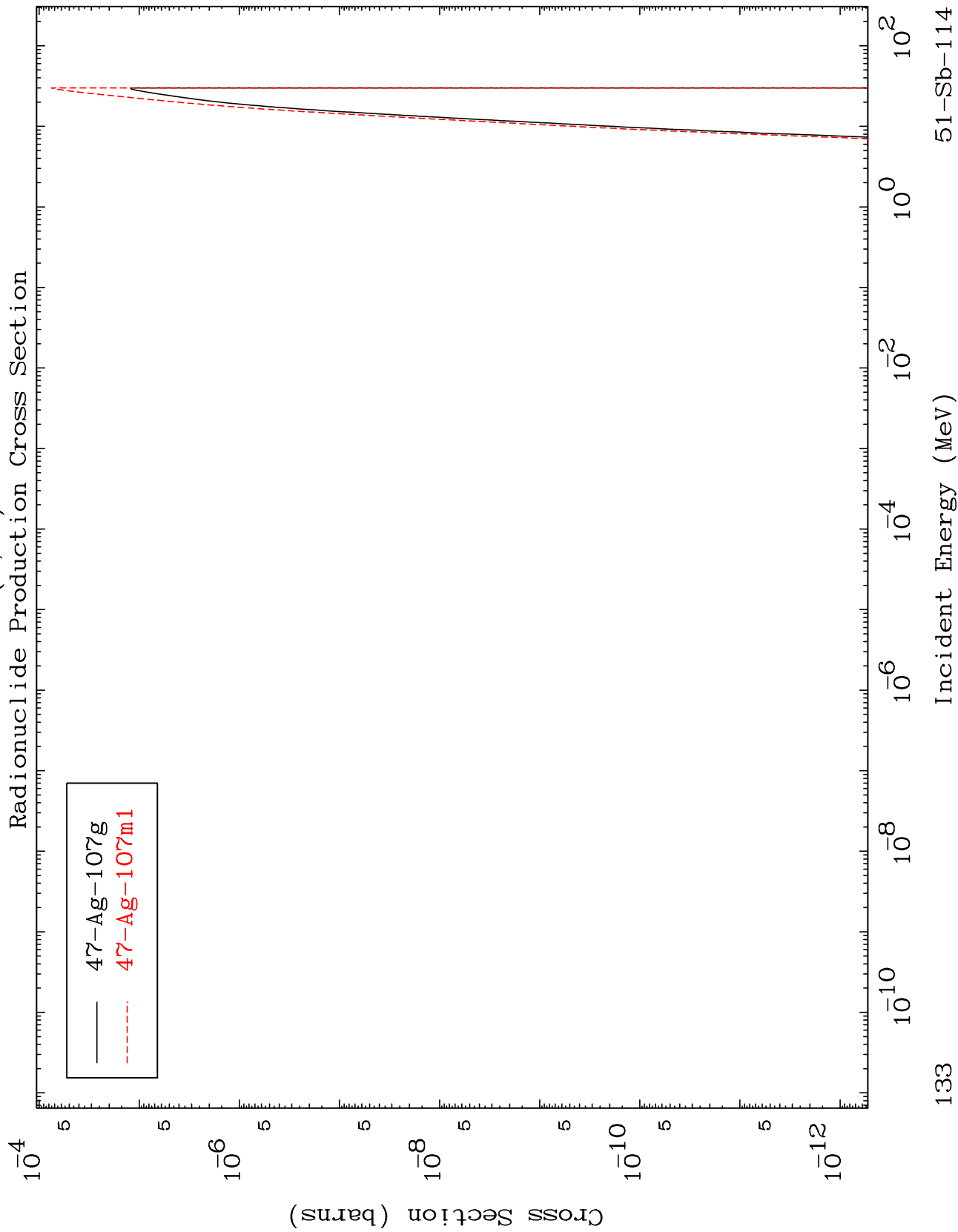
(n, α)
Radionuclide Production Cross Section



MAT 5104

51-Sb-114

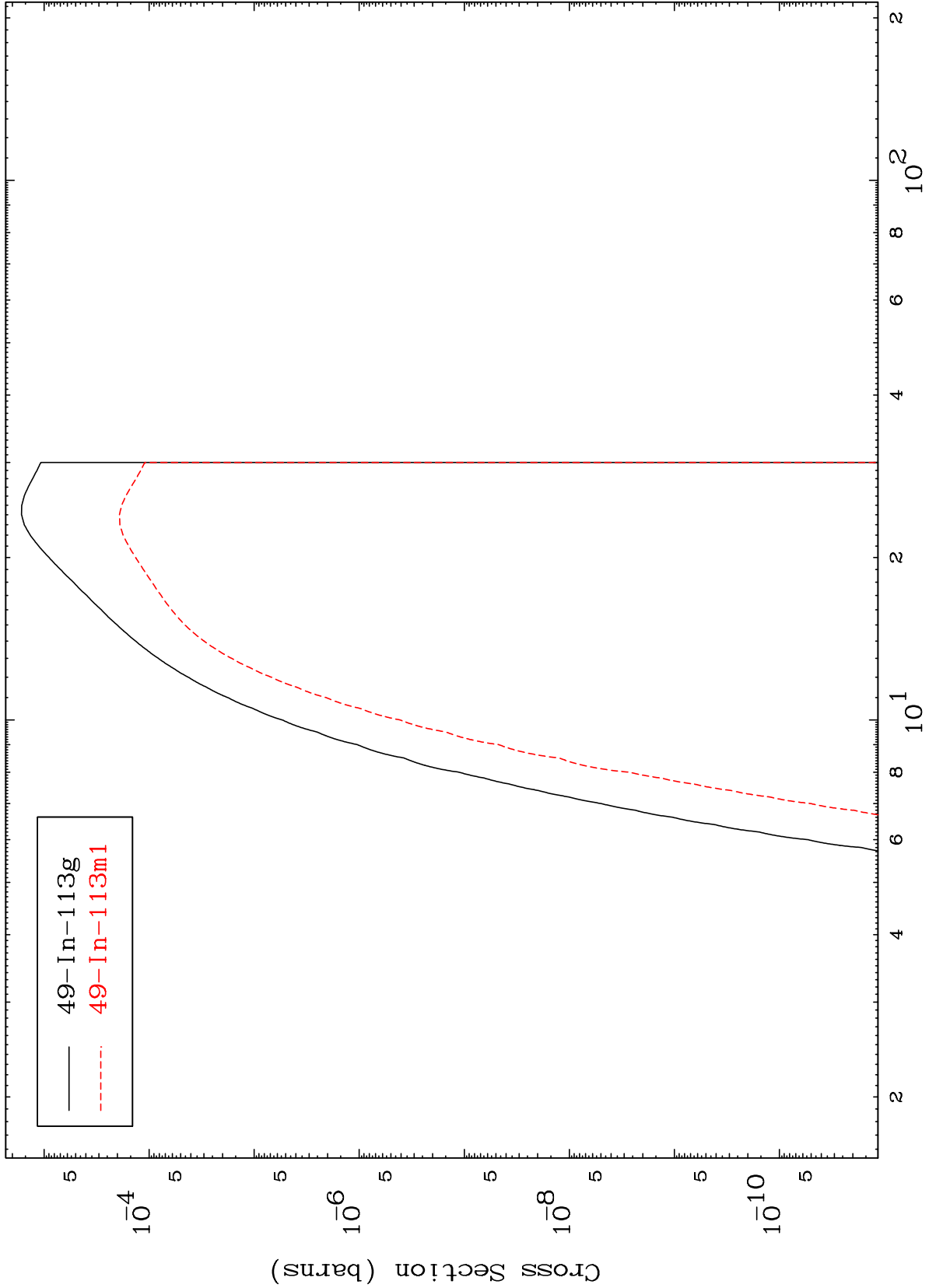
Radionuclide Production Cross Section
(n,2 α)



MAT 5104

51-Sb-114

(n,2p)
Radionuclide Production Cross Section



— 49-In-113g
- - - 49-In-113m1

51-Sb-114

Incident Energy (MeV)

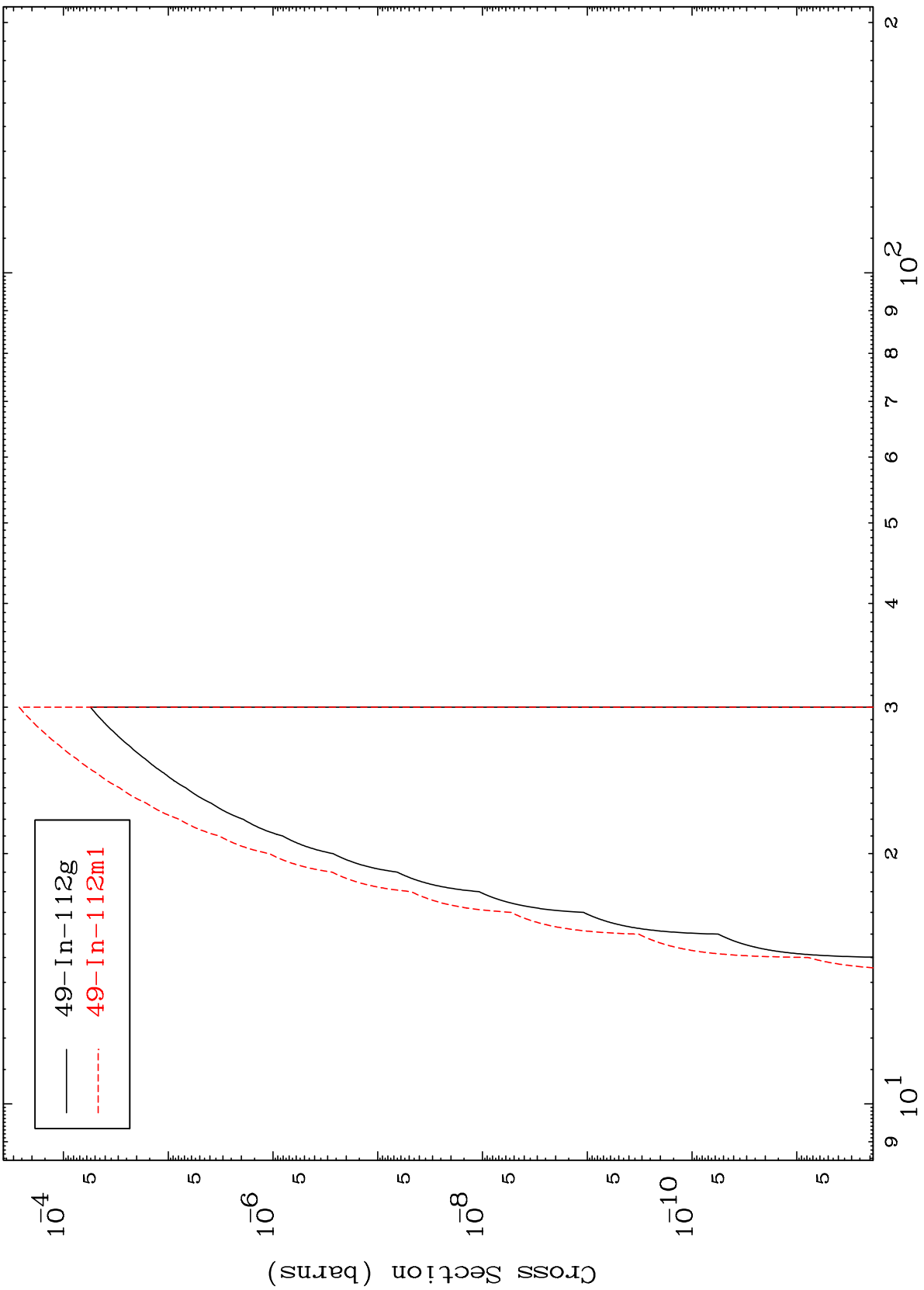
134

MAT 5104

(n,p) d

51-Sb-114

Radionuclide Production Cross Section



— 49-In-112g
- - - 49-In-112m1

135

Incident Energy (MeV)

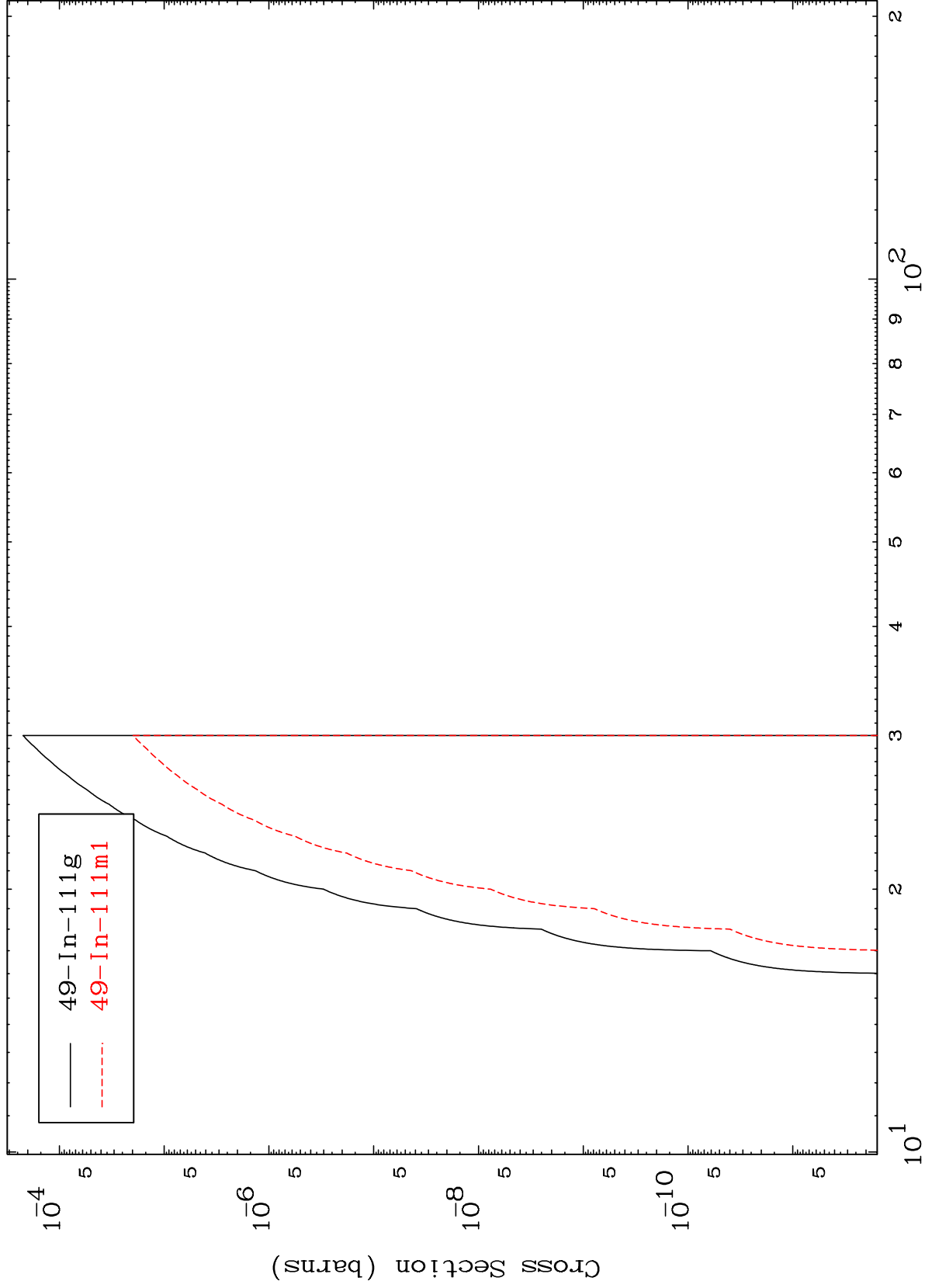
51-Sb-114

MAT 5104

(n,p) t

51-Sb-114

Radionuclide Production Cross Section



136

Incident Energy (MeV)

51-Sb-114