

Program EVALPLOT
(Version 2018-1)

by

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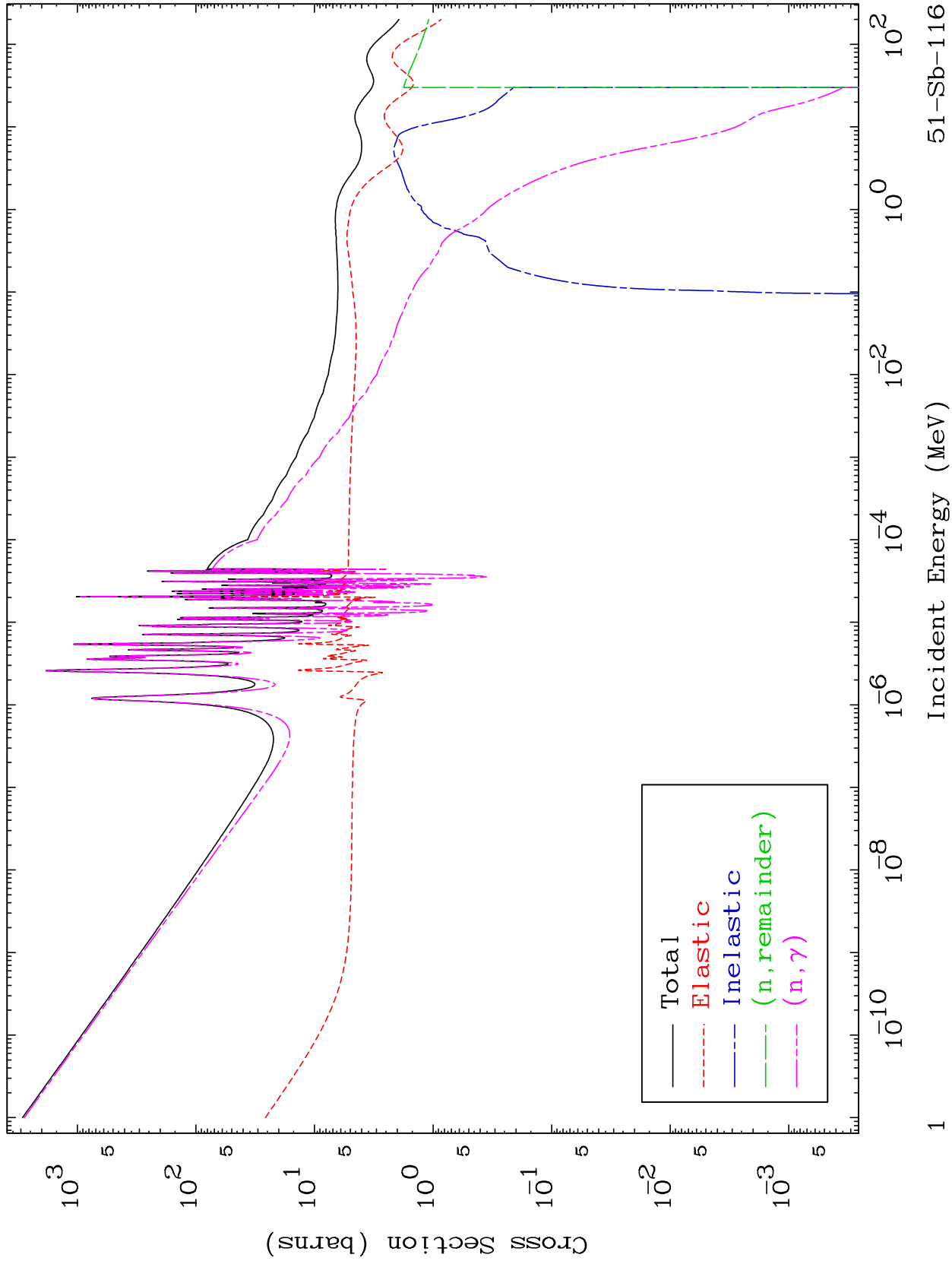
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

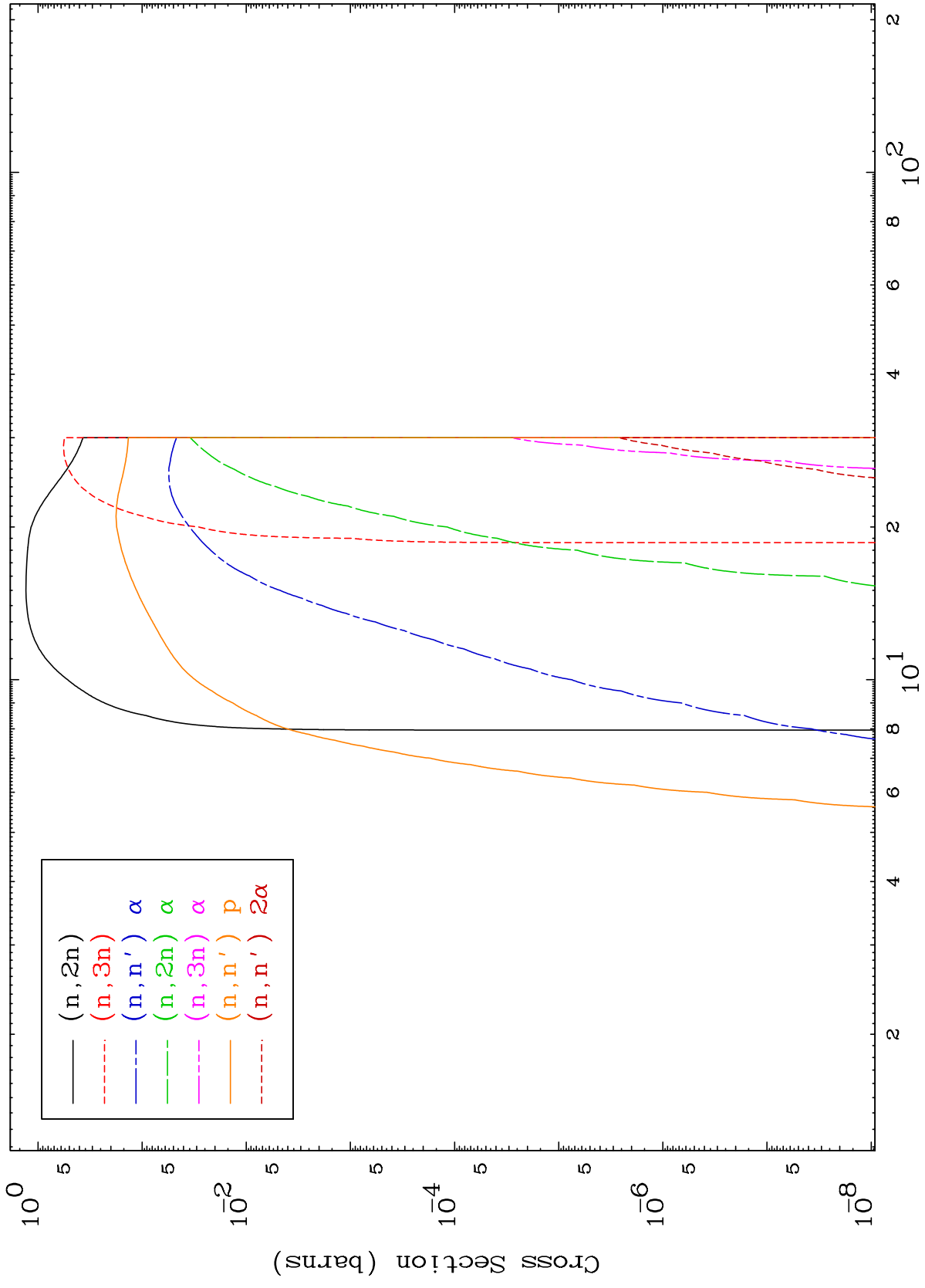
Press Mouse Button to Start

MAT 5110

Major
293 Kelvin Cross Sections

51-Sb-116

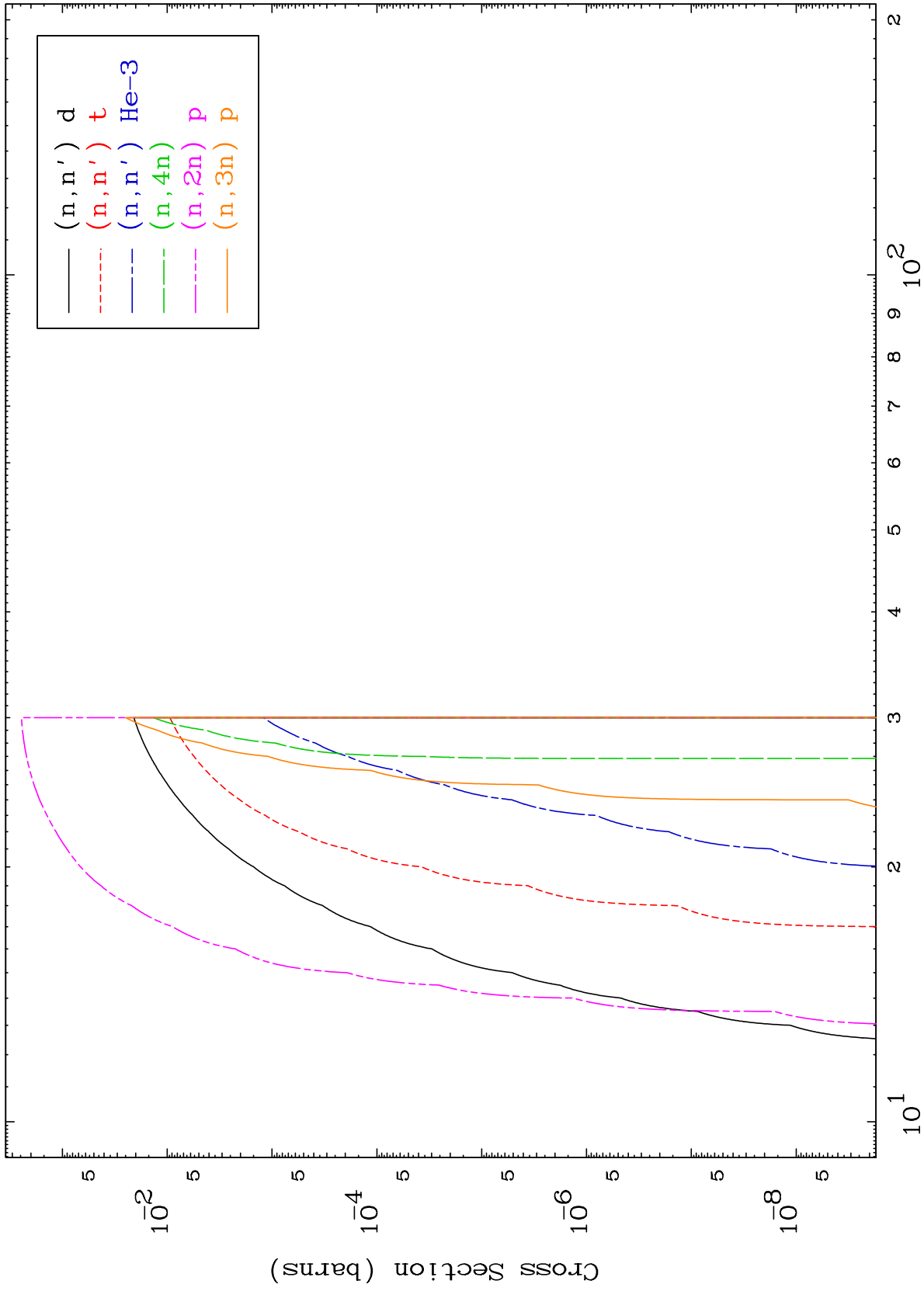




MAT 5110

Neutron Production
293 Kelvin Cross Sections

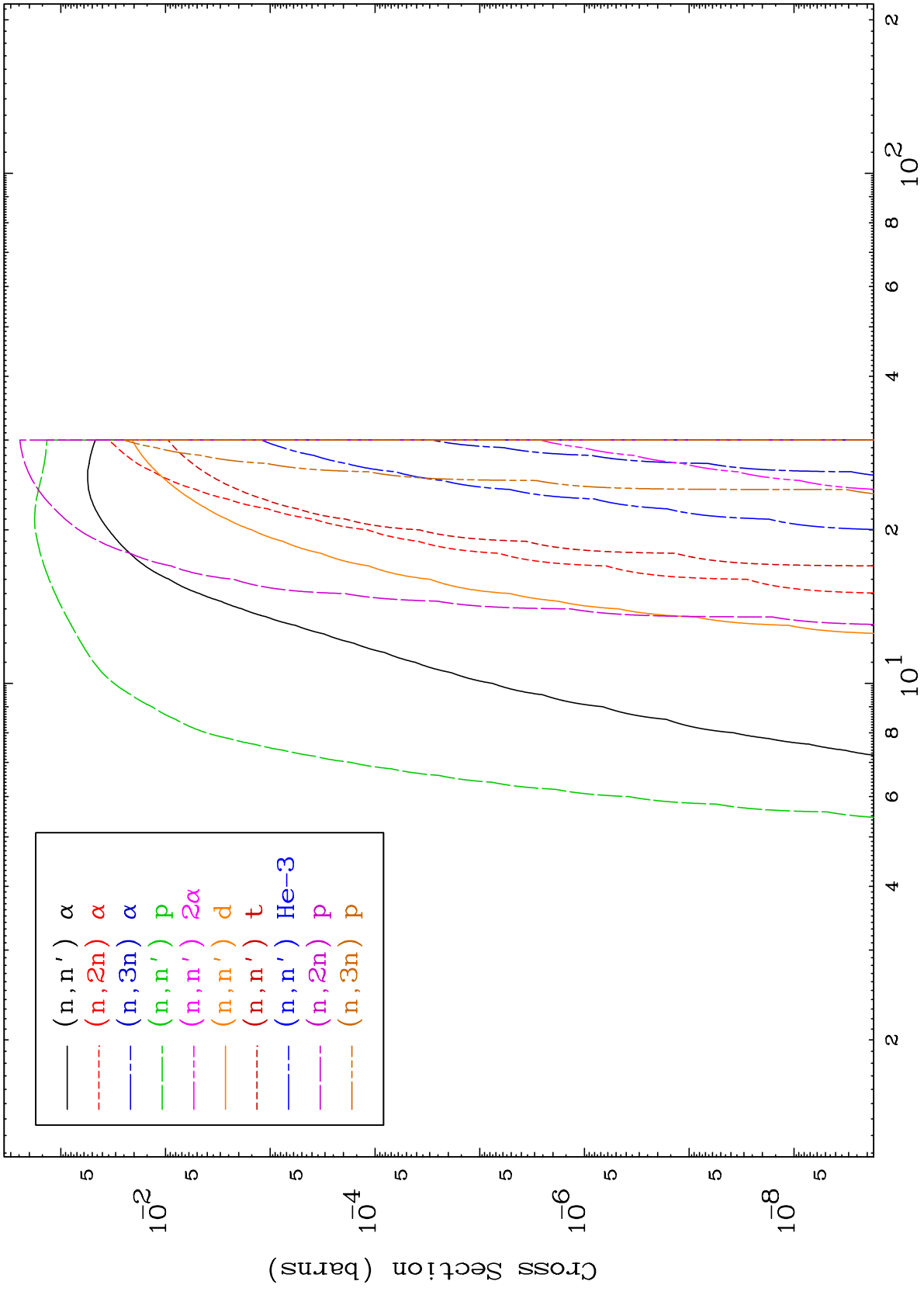
51-Sb-116



3

Incident Energy (MeV)

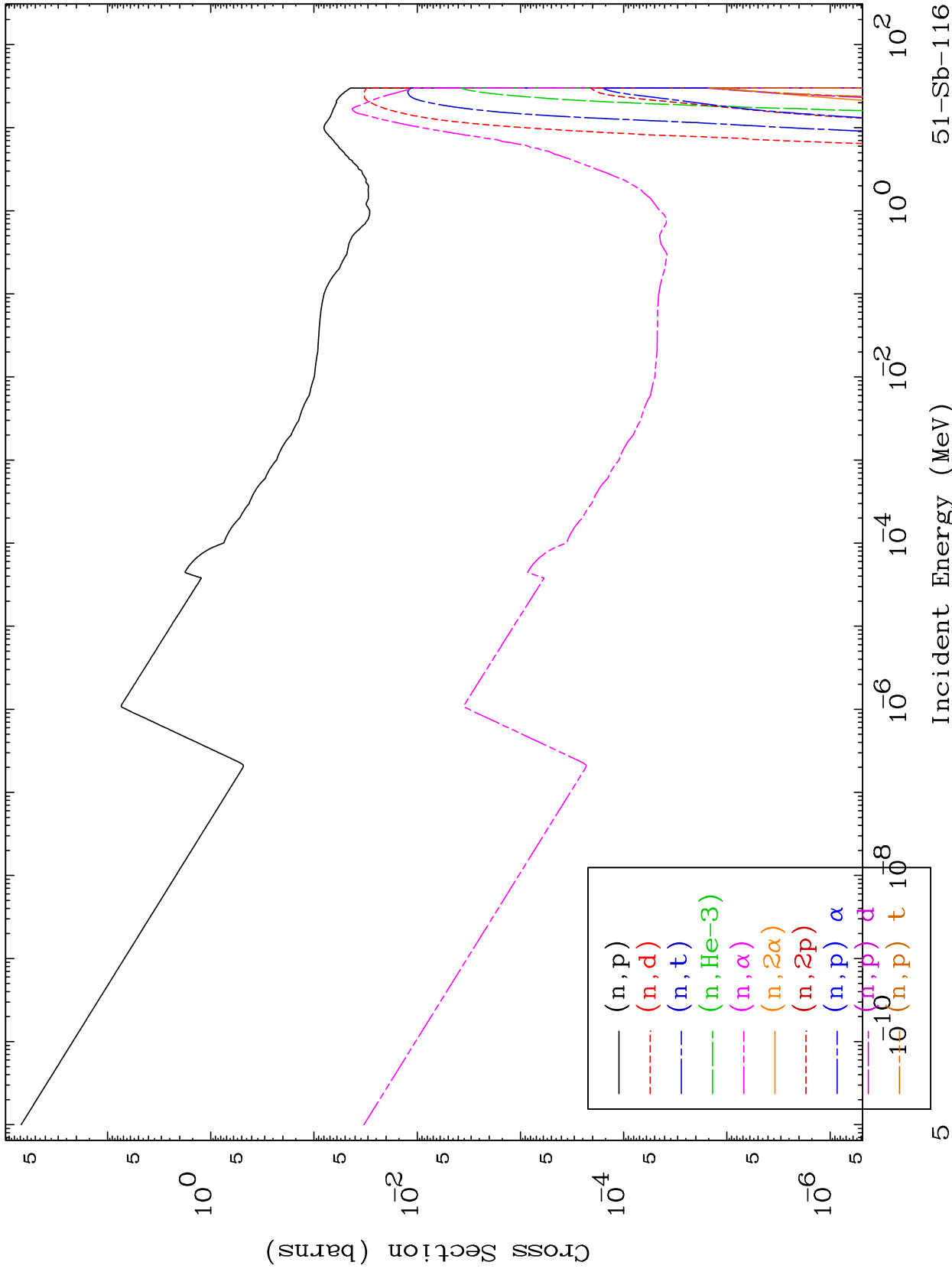
51-Sb-116



MAT 5110

Charged Particle
293 Kelvin Cross Sections

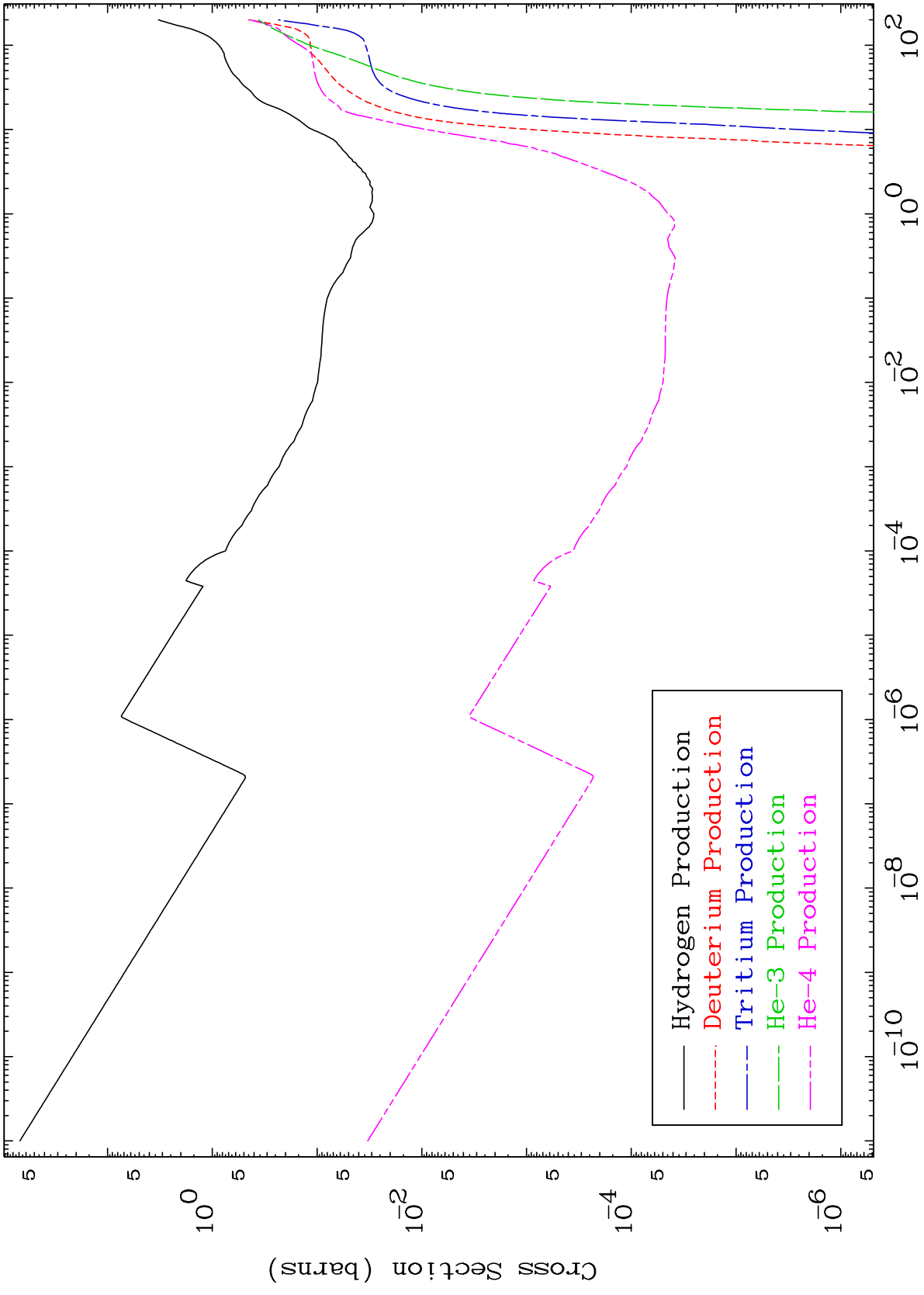
51-Sb-116



MAT 5110

Particle Production
293 Kelvin Cross Sections

51-Sb-116



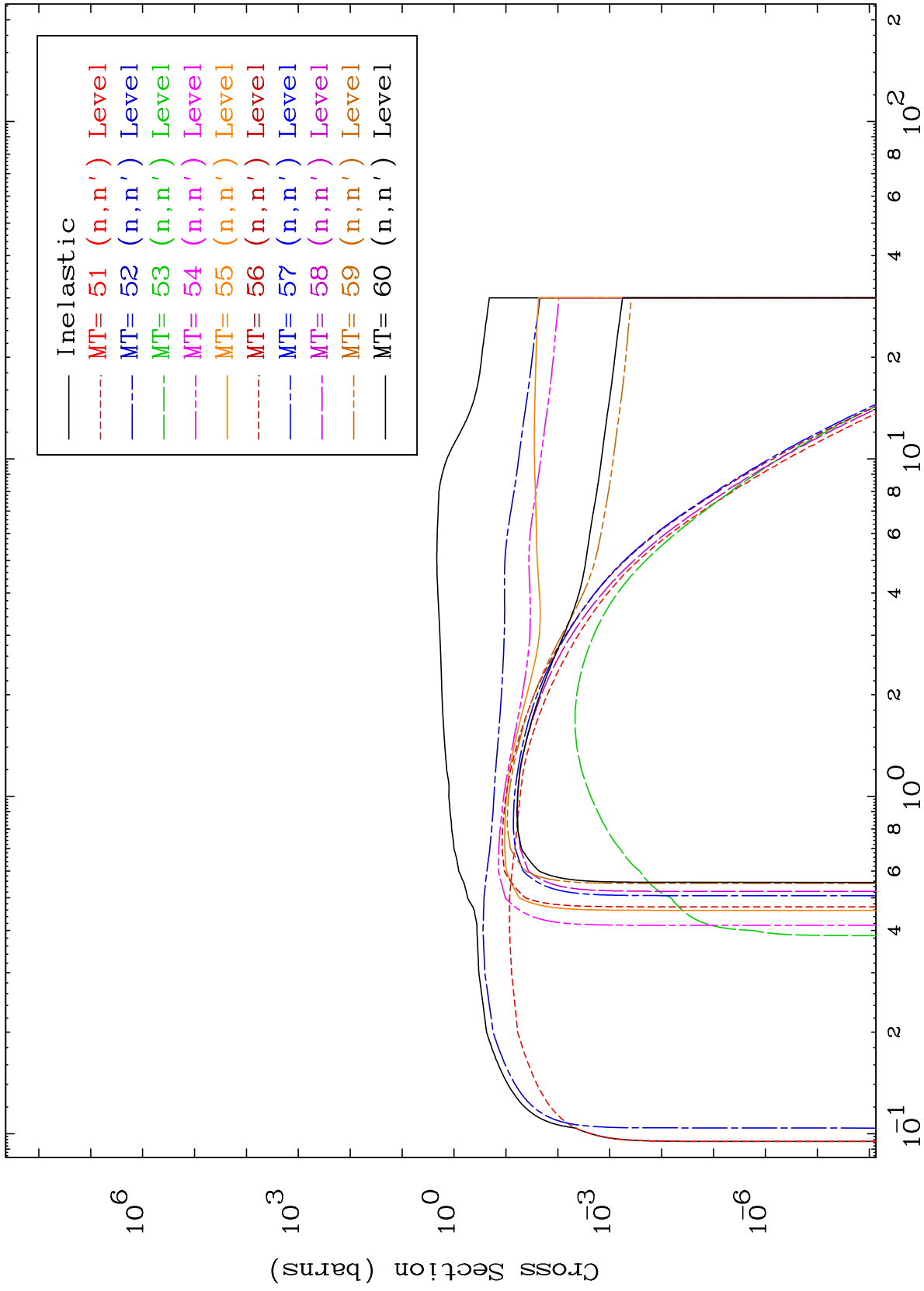
51-Sb-116

MAT 5110

(n,n') Level

51-Sb-116

293 Kelvin Cross Sections



7

Incident Energy (MeV)

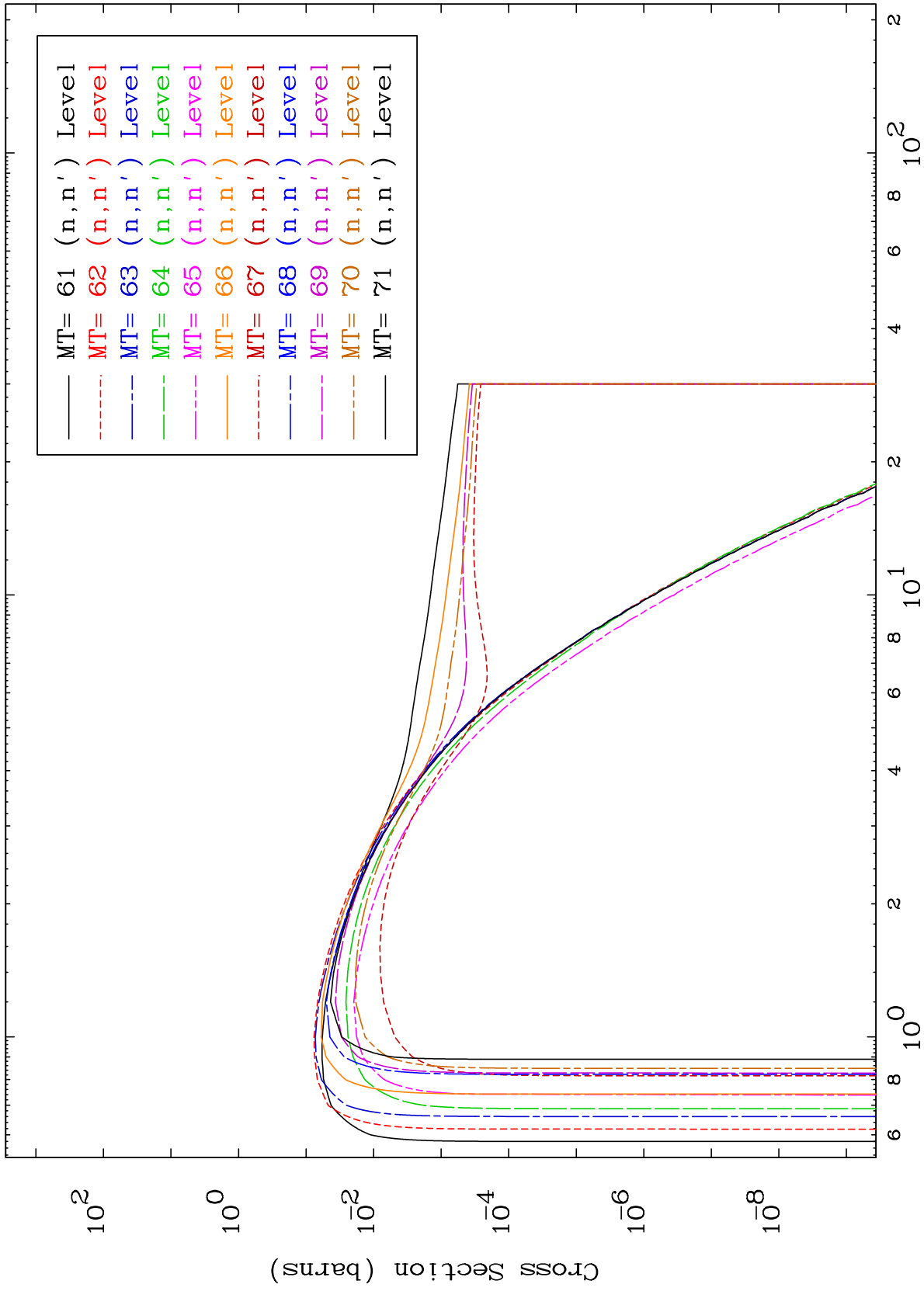
51-Sb-116

MAT 5110

(n,n') Level

51-Sb-116

293 Kelvin Cross Sections



8

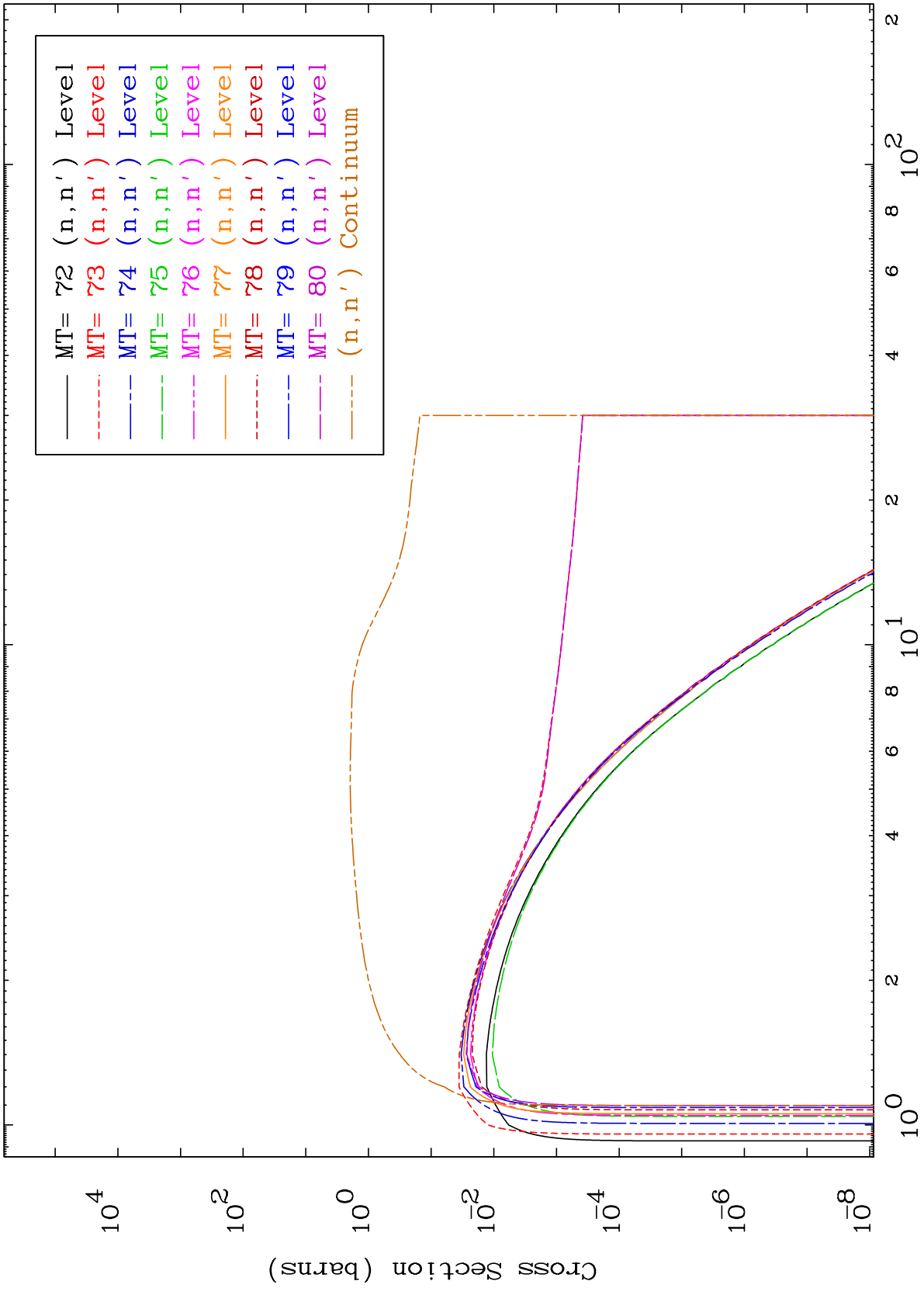
Incident Energy (MeV)

51-Sb-116

MAT 5110

(n,n') Level
293 Kelvin Cross Sections

51-Sb-116



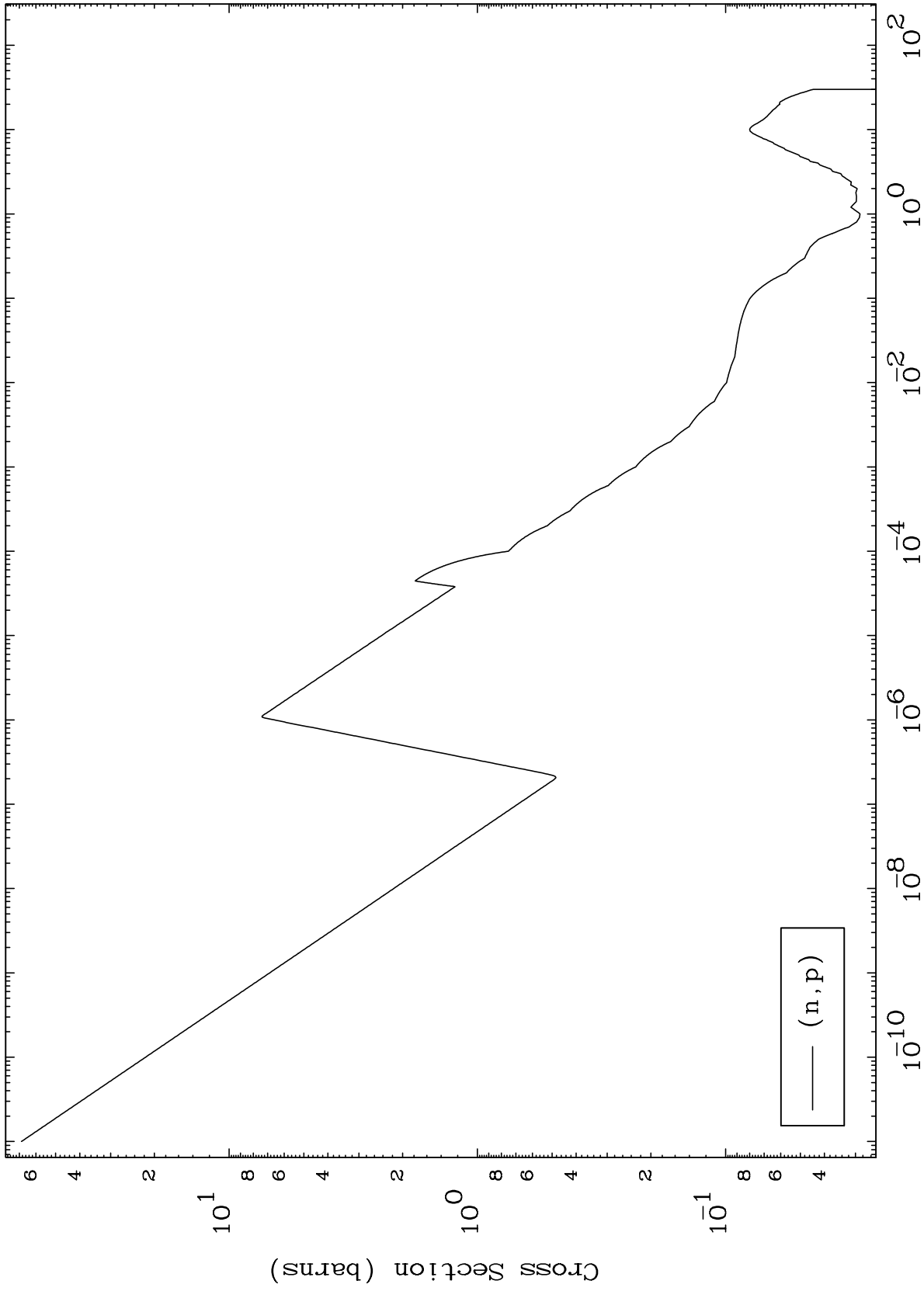
Incident Energy (MeV)

51-Sb-116

MAT 5110

(n,p) Levels
293 Kelvin Cross Sections

51-Sb-116



10

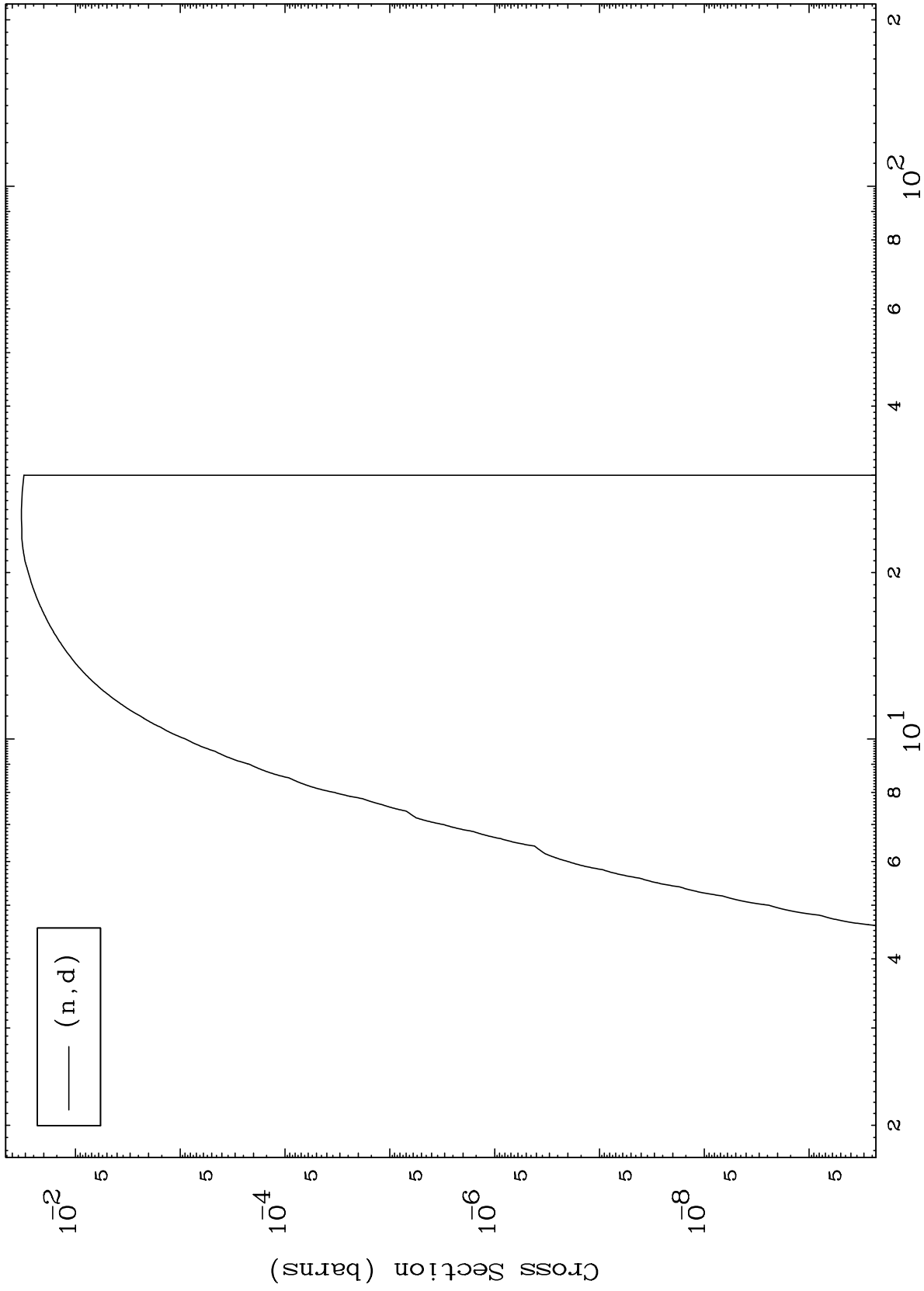
Incident Energy (MeV)

51-Sb-116

MAT 5110

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-116



11

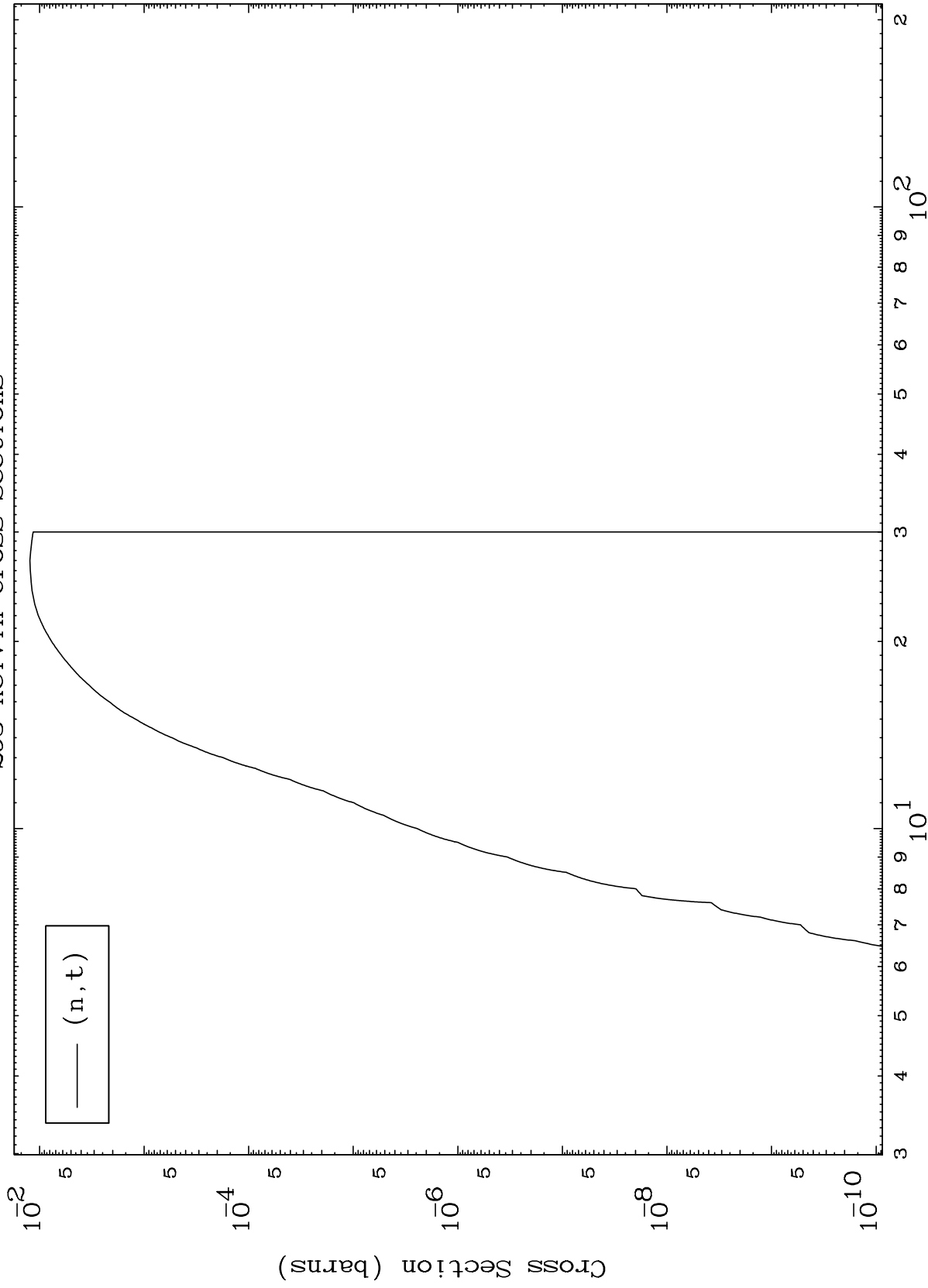
Incident Energy (MeV)

51-Sb-116

MAT 5110

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-116



12

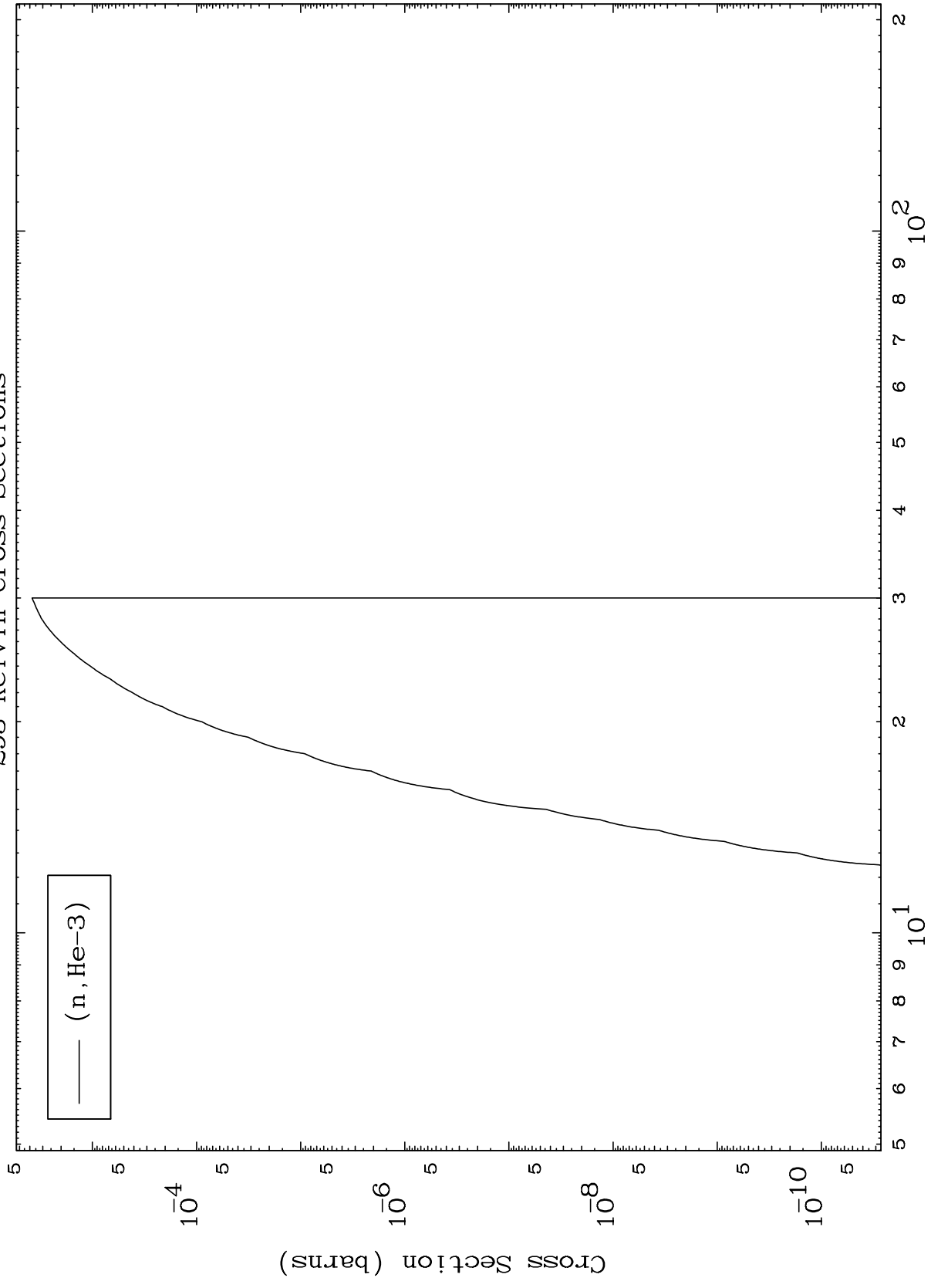
Incident Energy (MeV)

51-Sb-116

MAT 5110

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-116



13

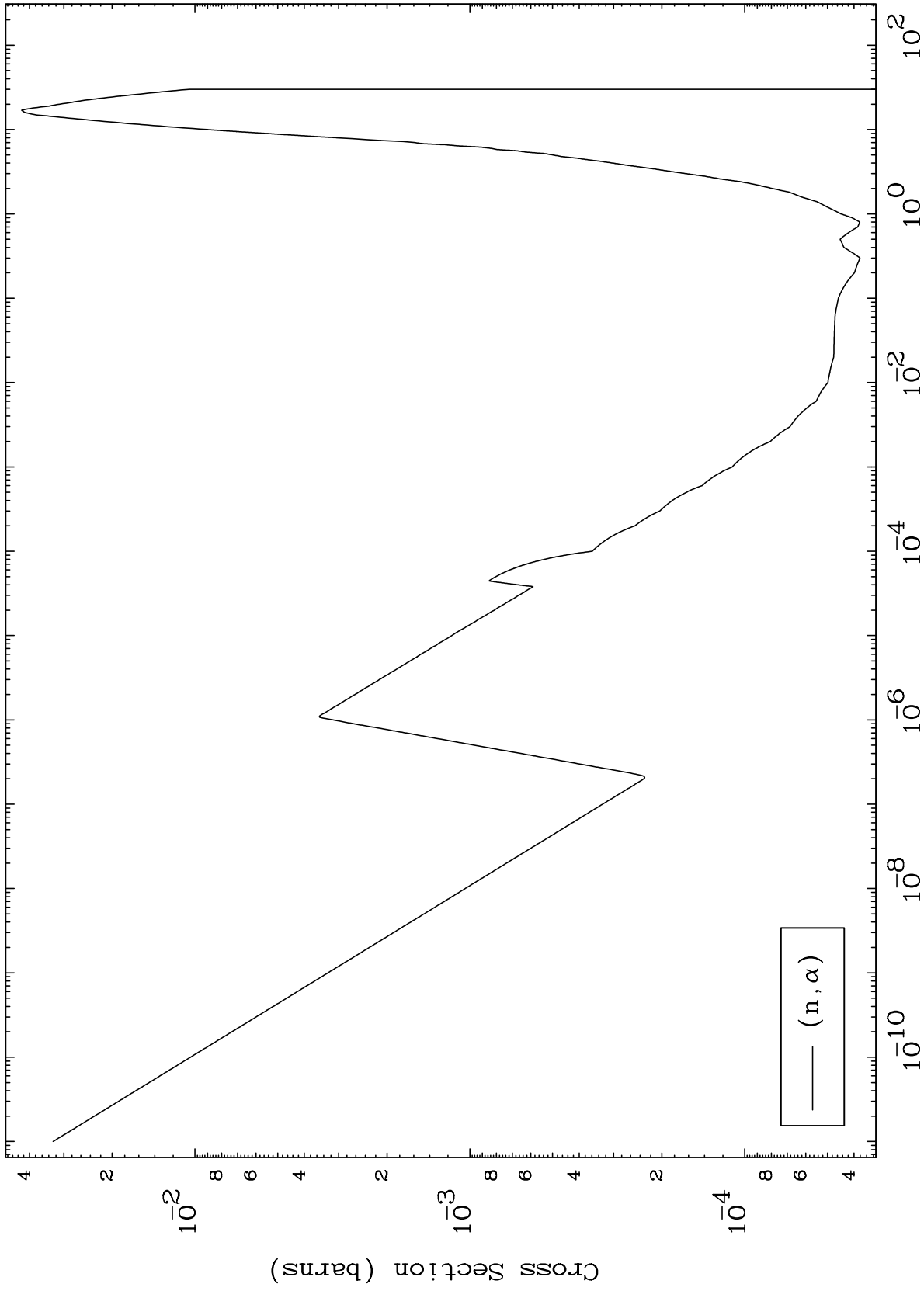
Incident Energy (MeV)

51-Sb-116

MAT 5110

(n,α) Levels
293 Kelvin Cross Sections

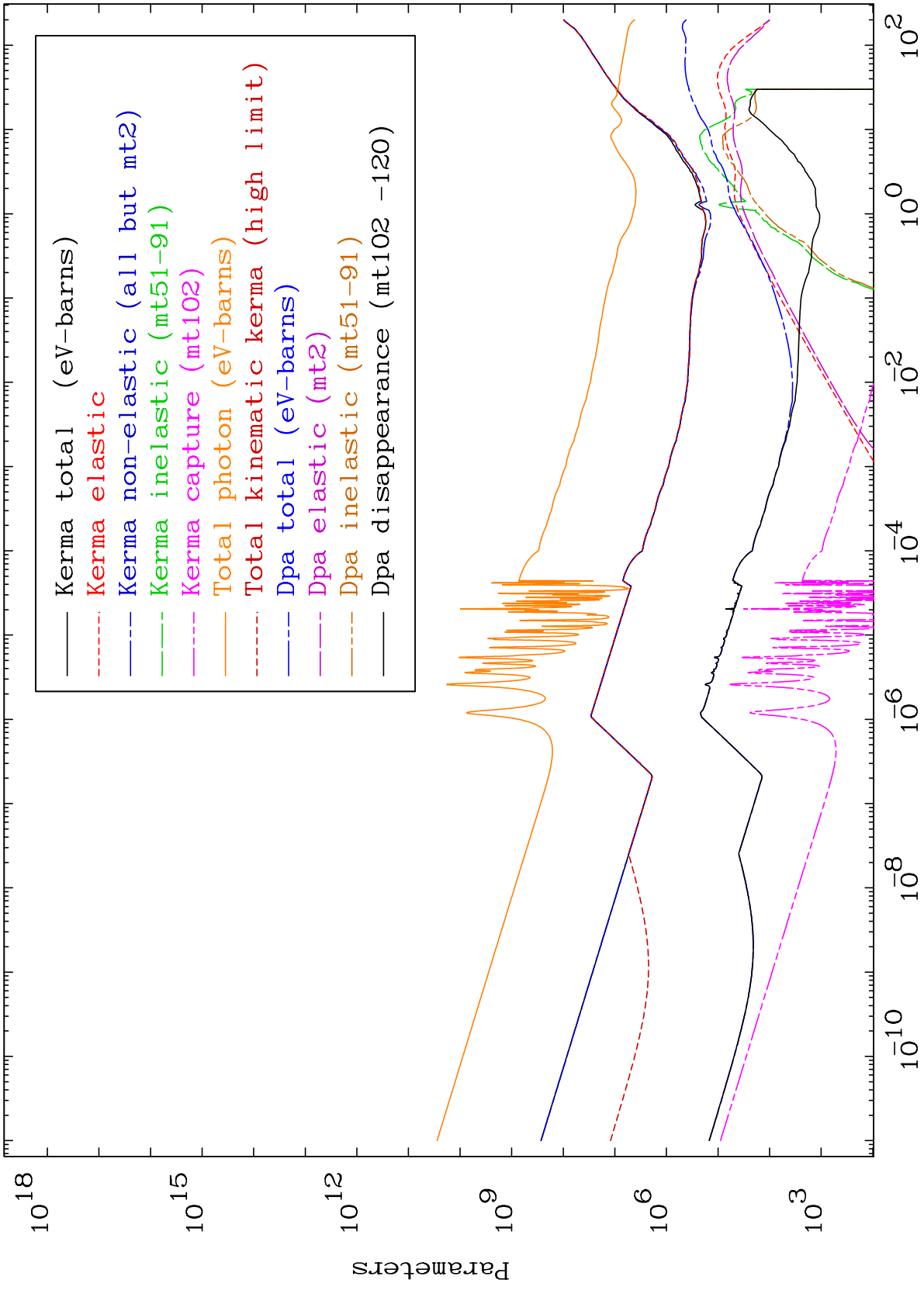
51-Sb-116



14

Incident Energy (MeV)

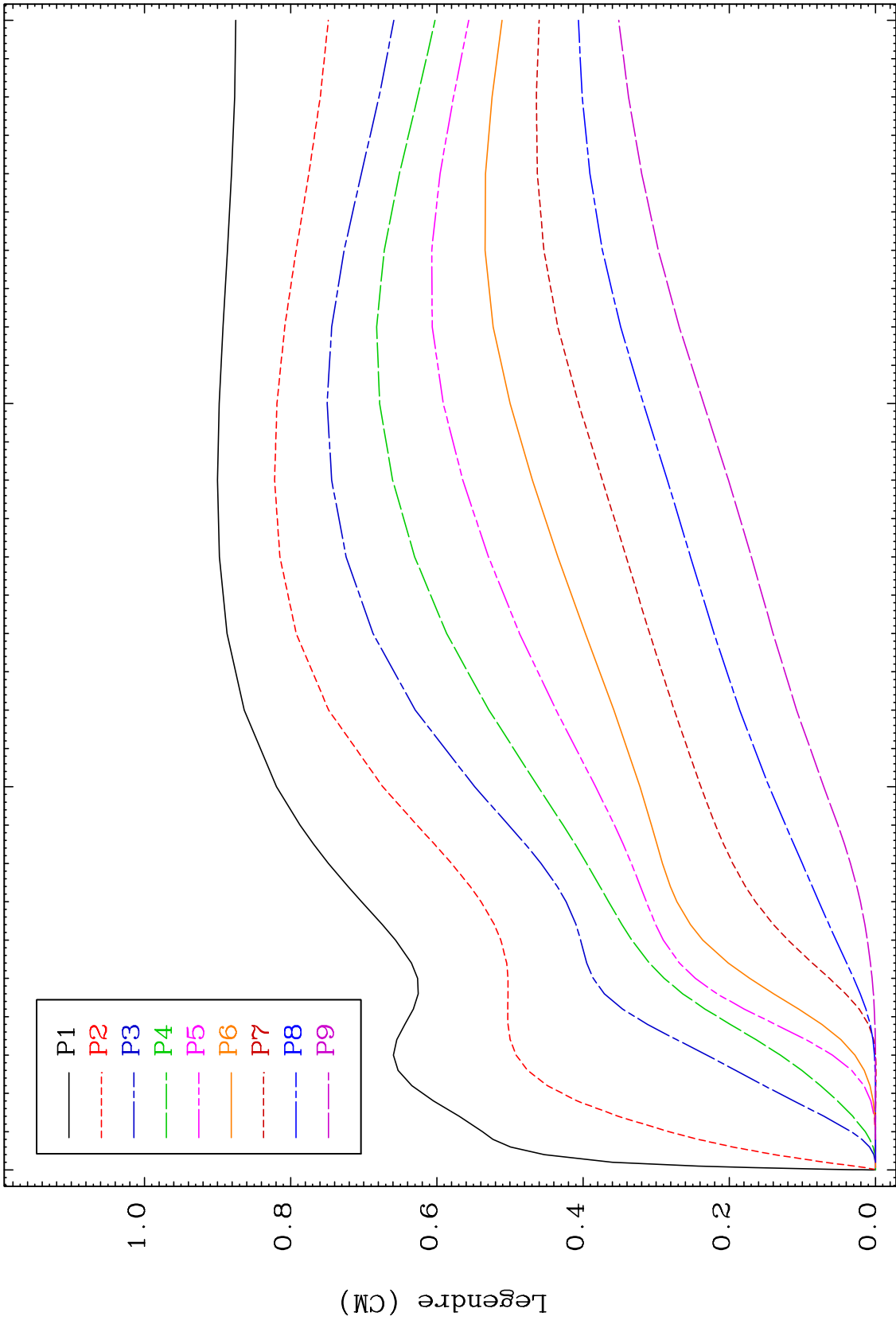
51-Sb-116



MAT 5110

Elastic Legendre Coefficients

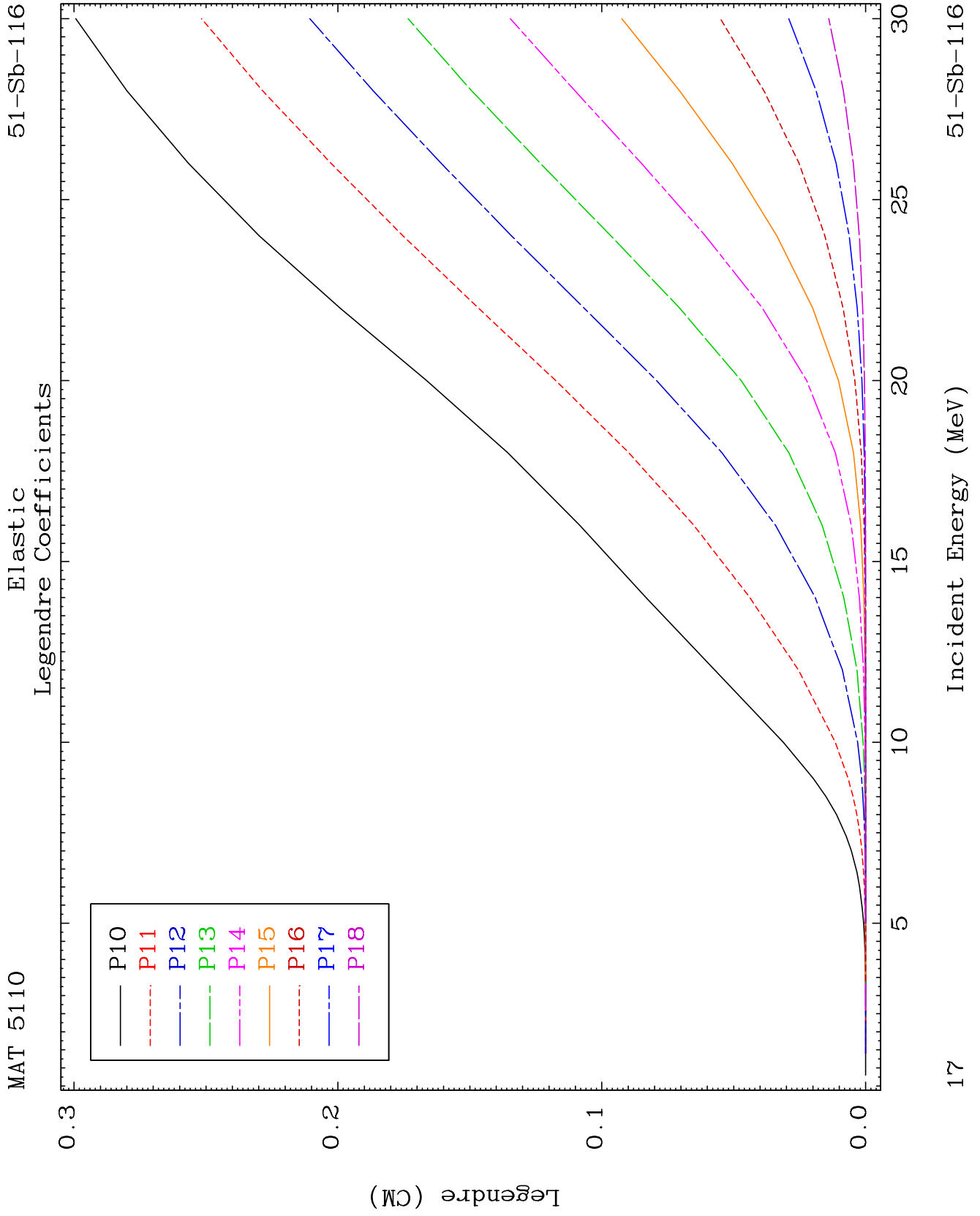
51-Sb-116



16

Incident Energy (MeV)

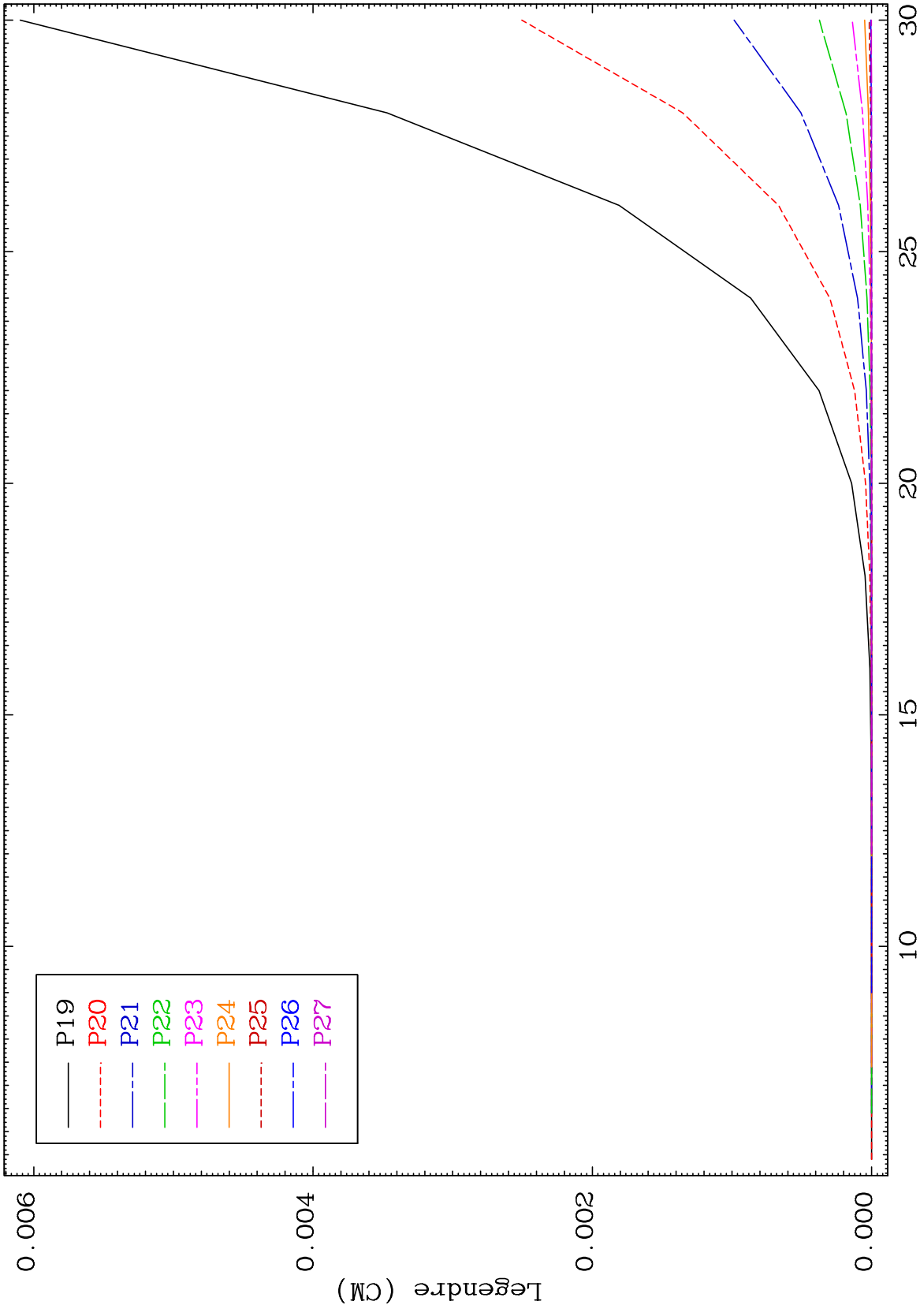
51-Sb-116



MAT 5110

Elastic Legendre Coefficients

51-Sb-116



18

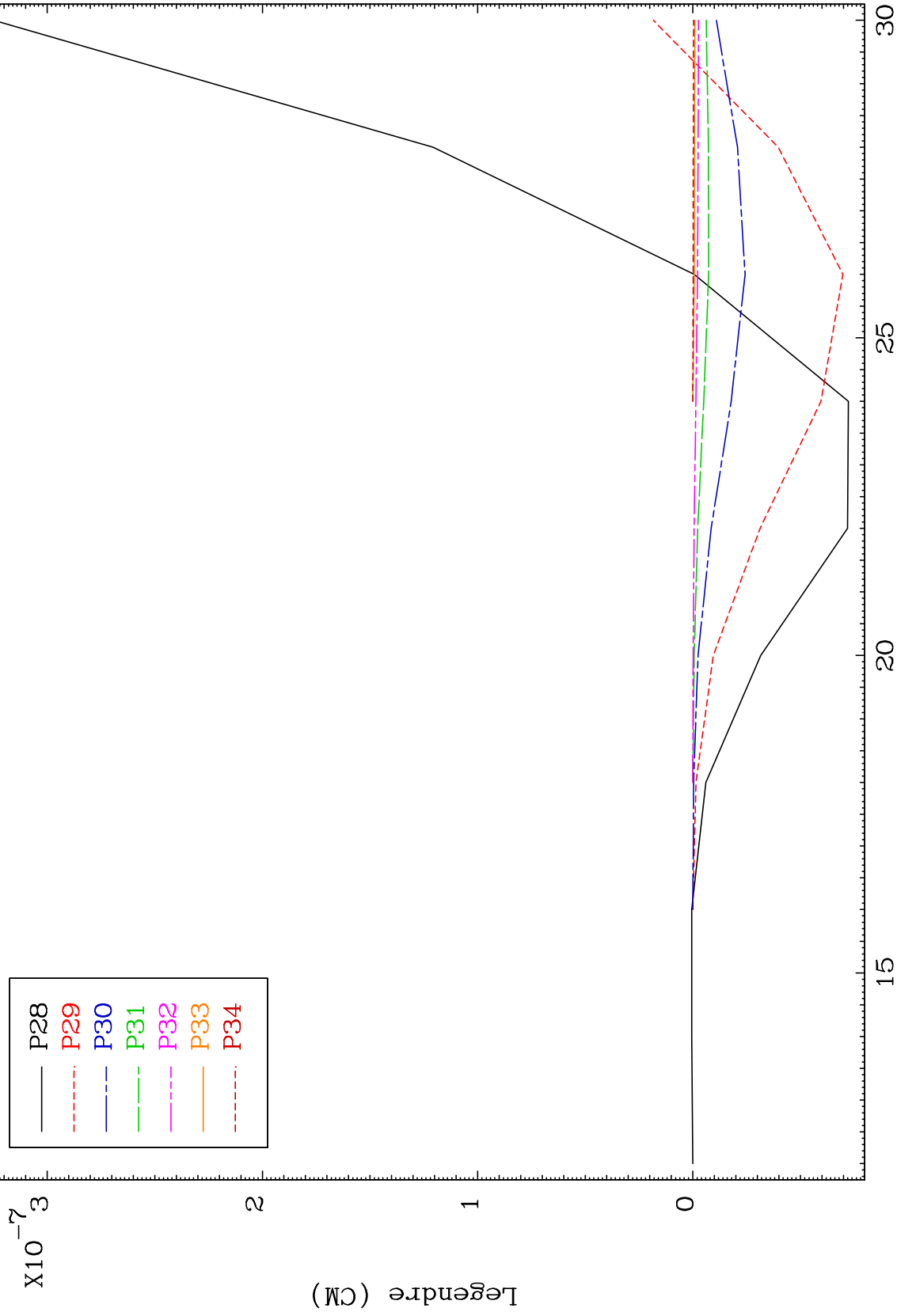
Incident Energy (MeV)

51-Sb-116

MAT 5110

Elastic Legendre Coefficients

51-Sb-116

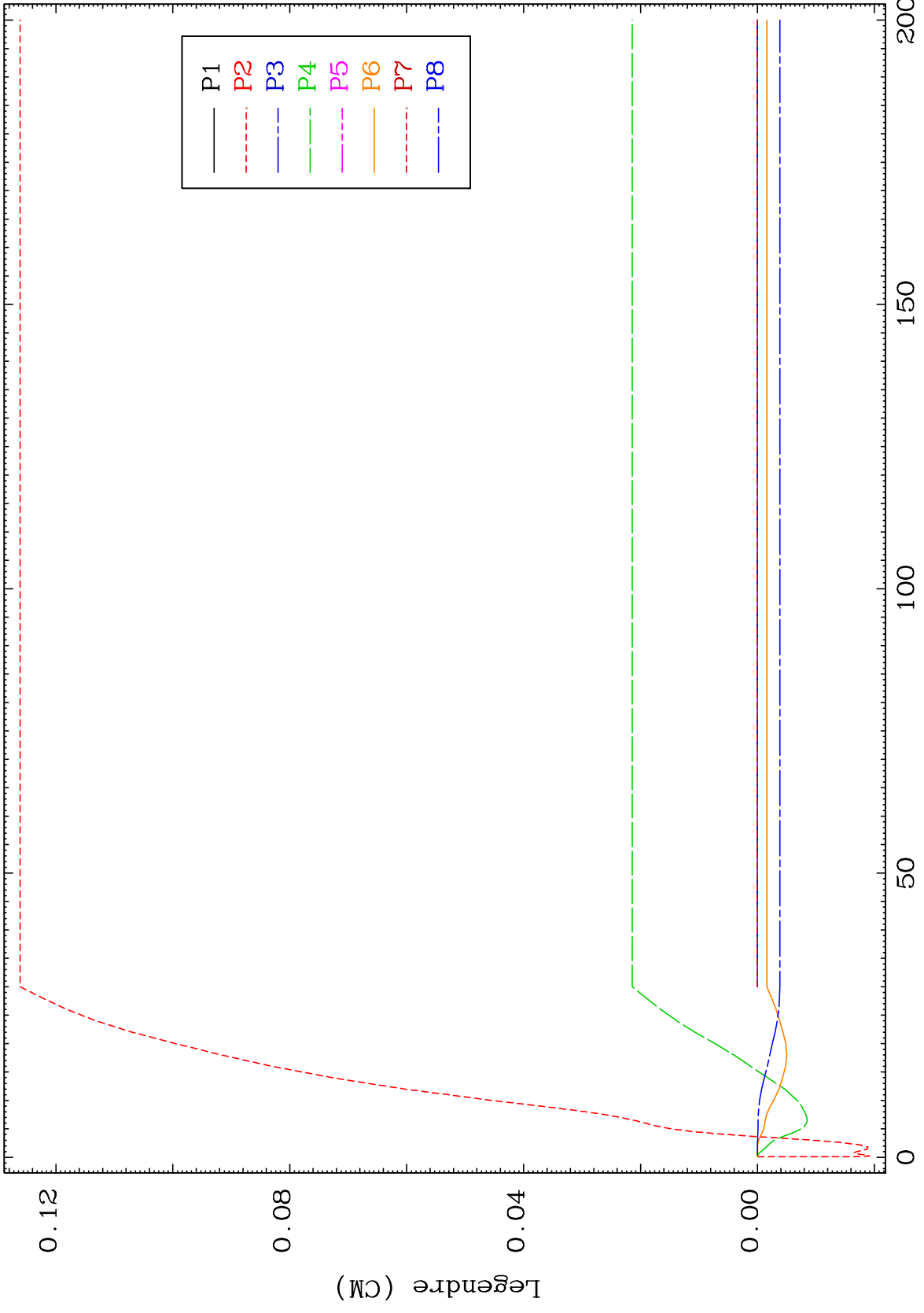


19

Incident Energy (MeV)

51-Sb-116

MAT 5110 MT= 51 (n,n') Level Legendre Coefficients 51-Sb-116

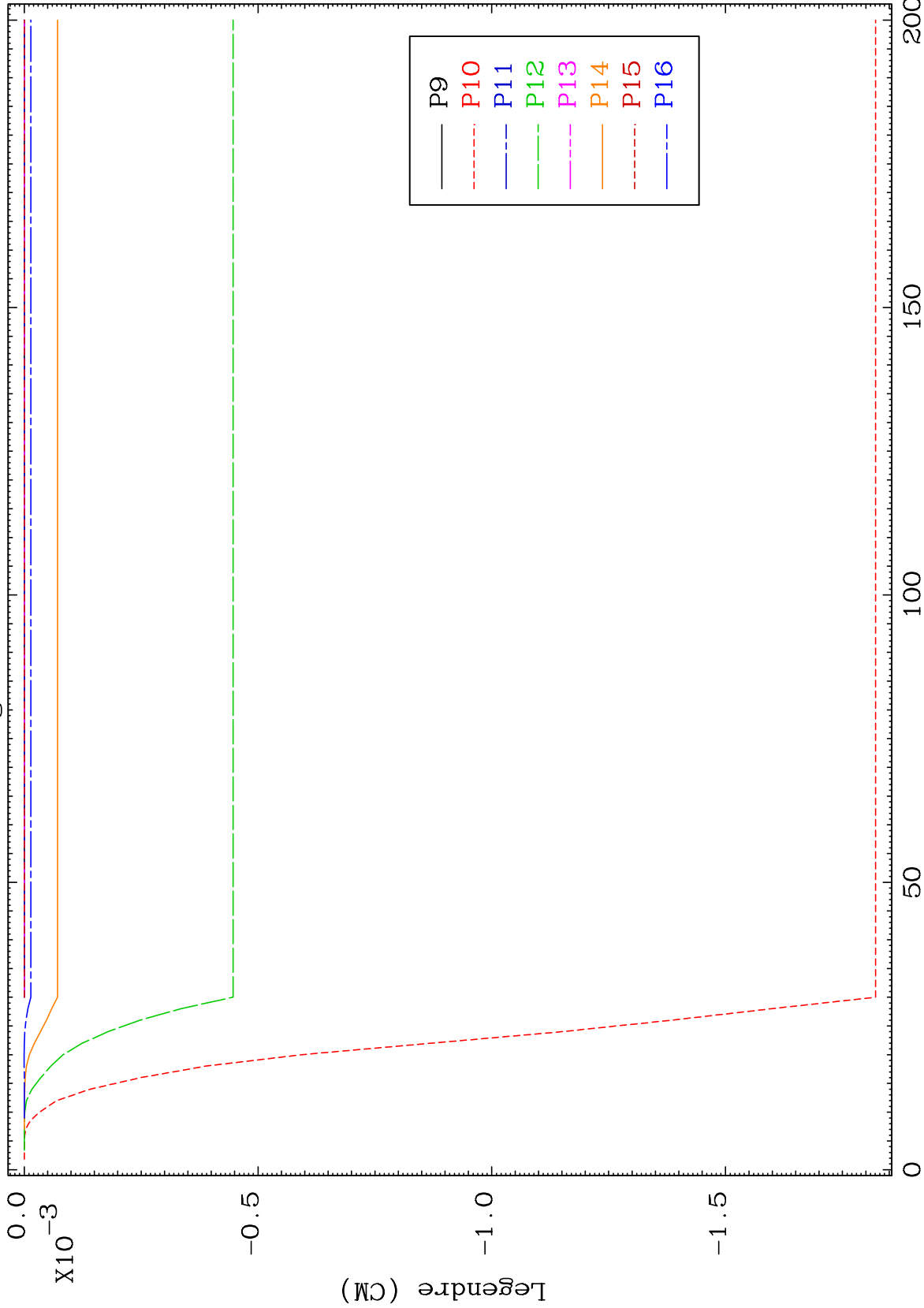


51-Sb-116

MAT 5110

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

51-Sb-116



21

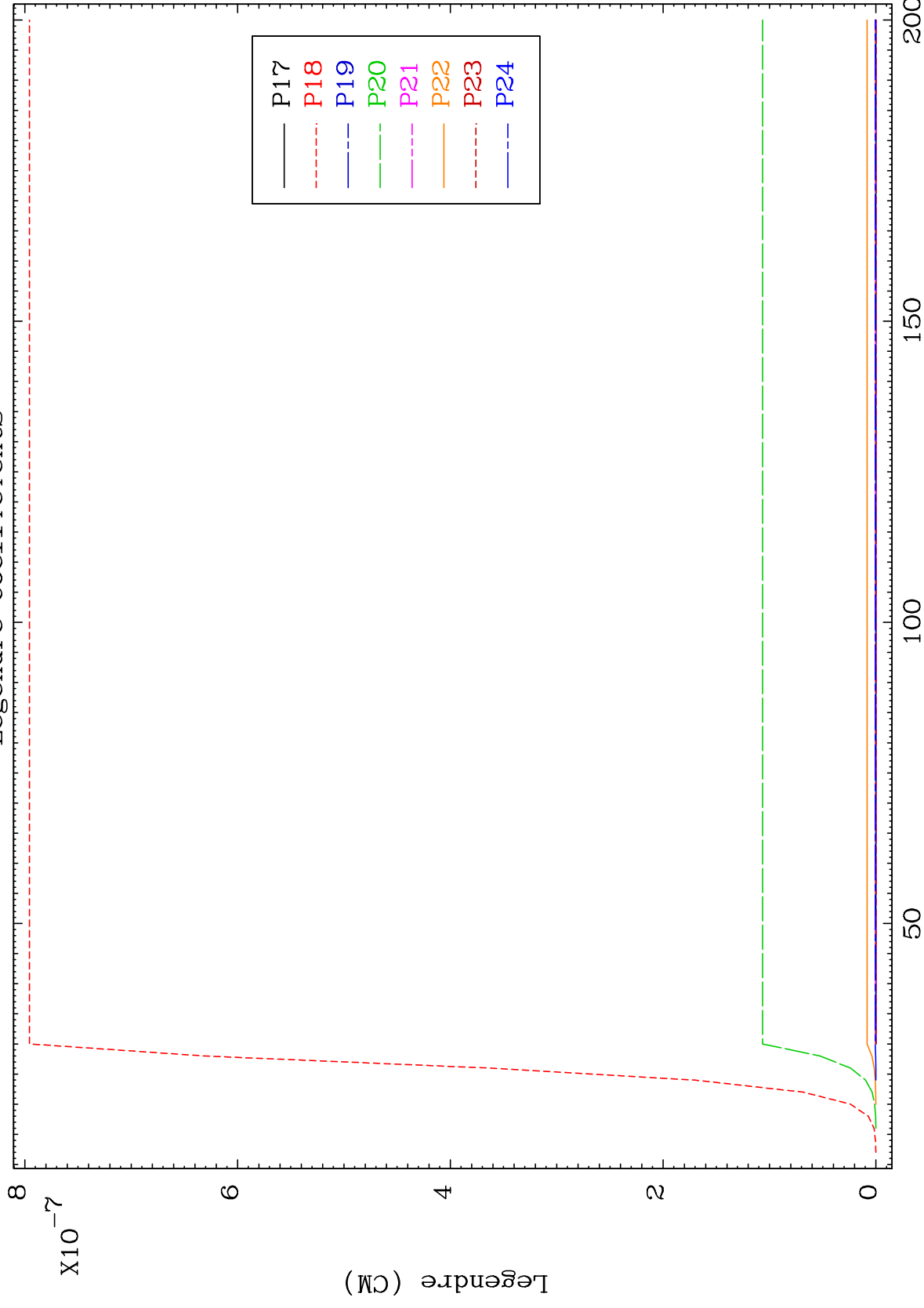
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



51-Sb-116

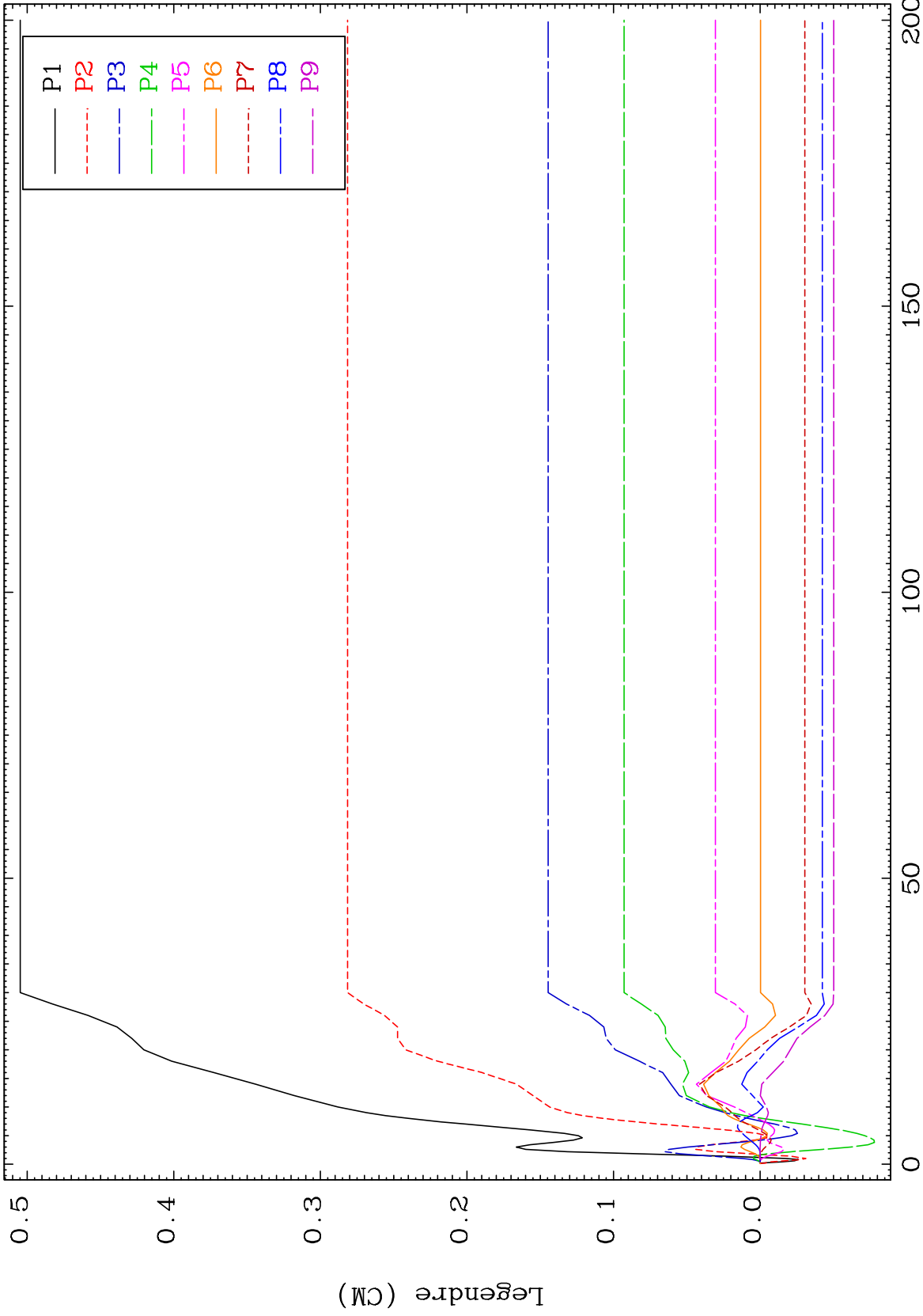
Incident Energy (MeV)

22

MAT 5110

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

51-Sb-116

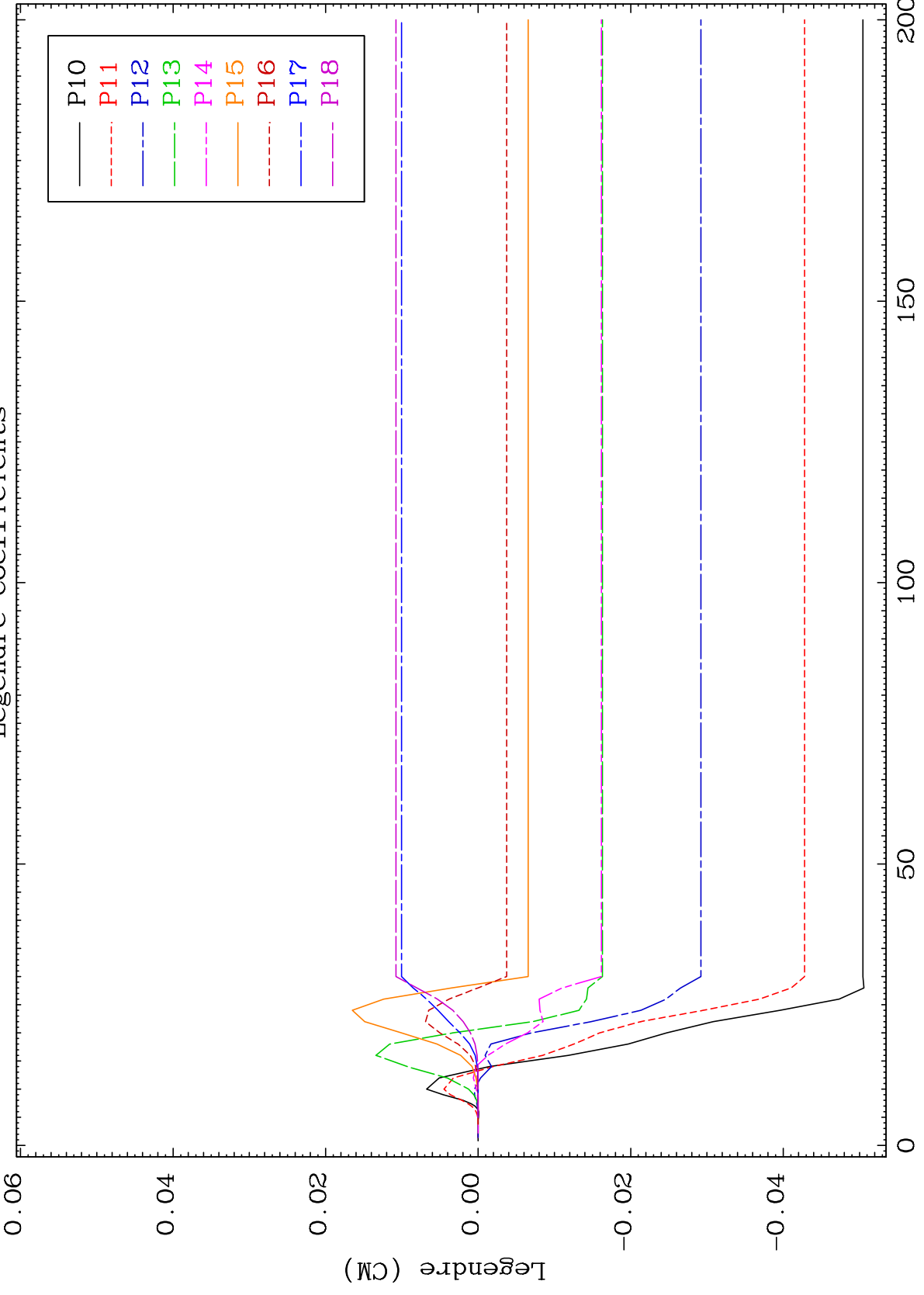


23

Incident Energy (MeV)

51-Sb-116

MAT 5110 MT= 52 (n,n') Level Legendre Coefficients 51-Sb-116

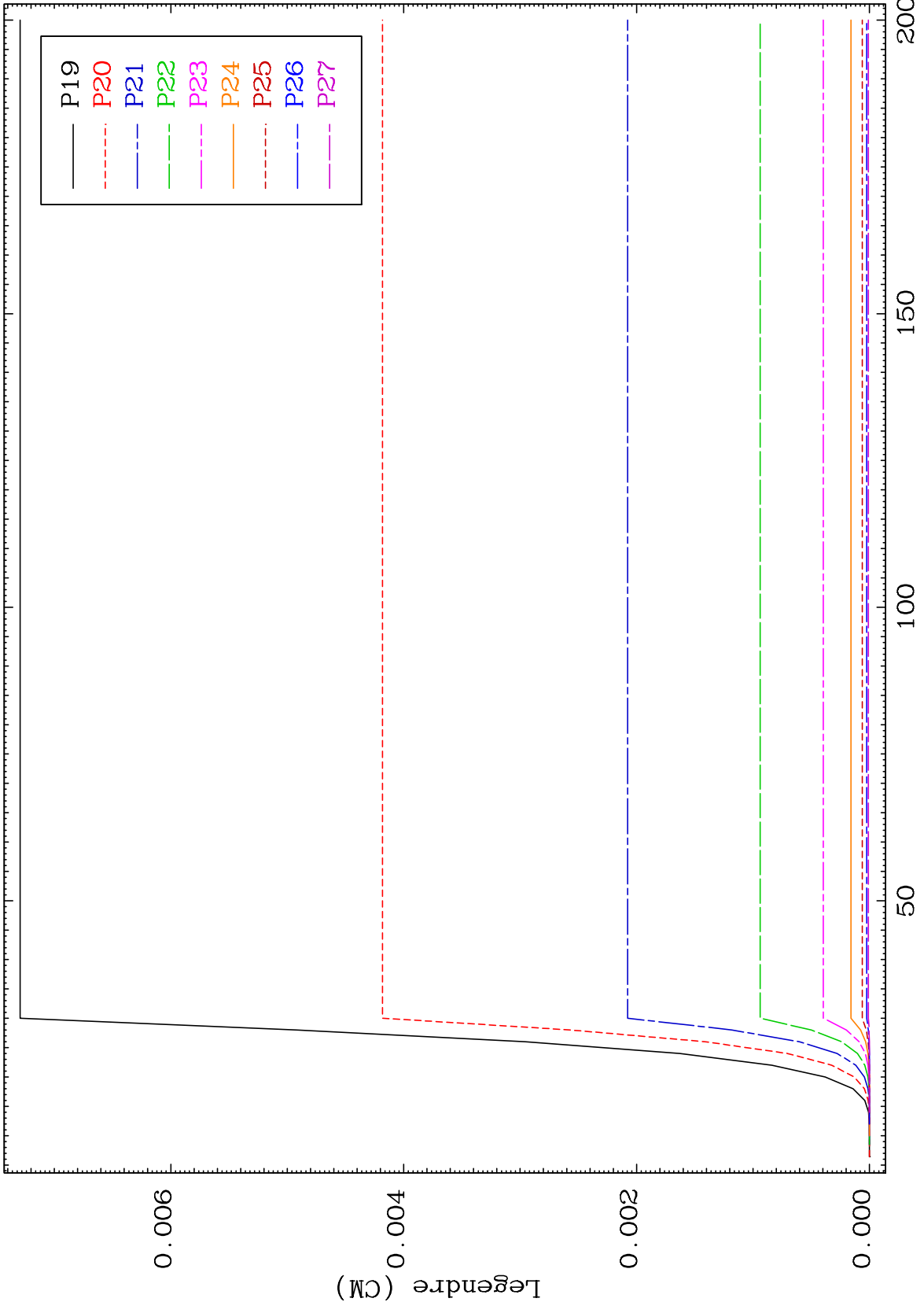


24 51-Sb-116

MAT 5110

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

51-Sb-116



25

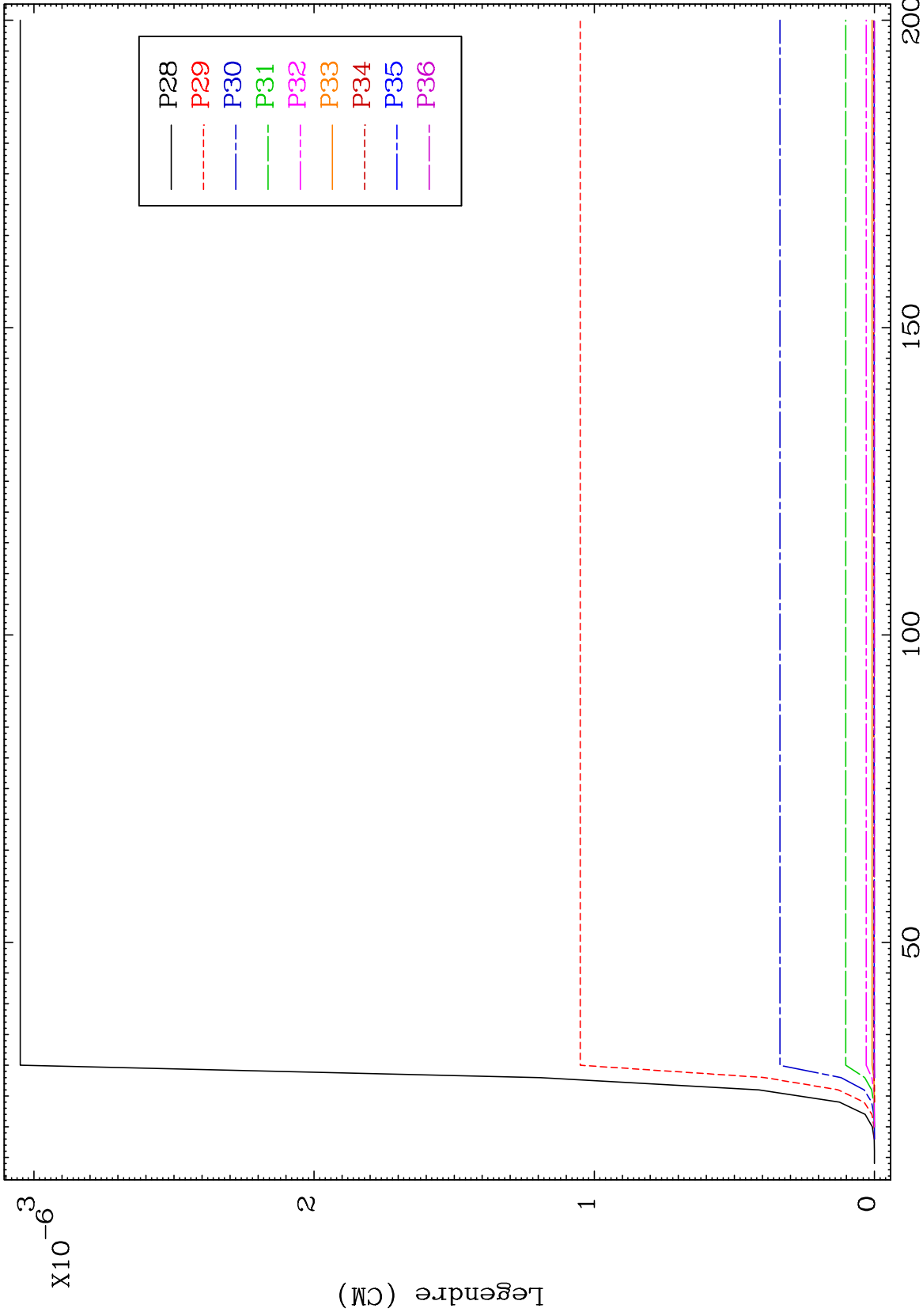
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



26

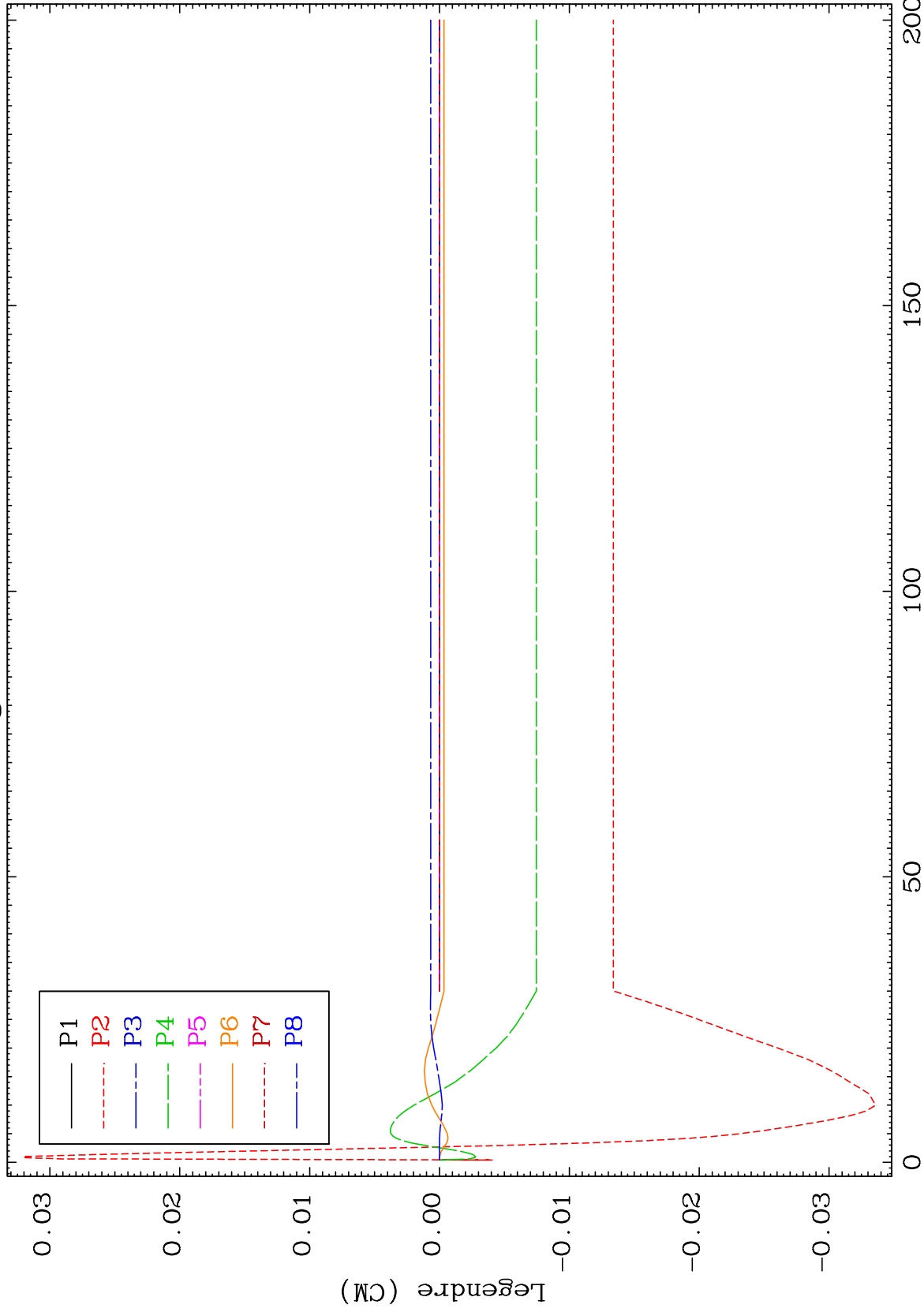
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



27

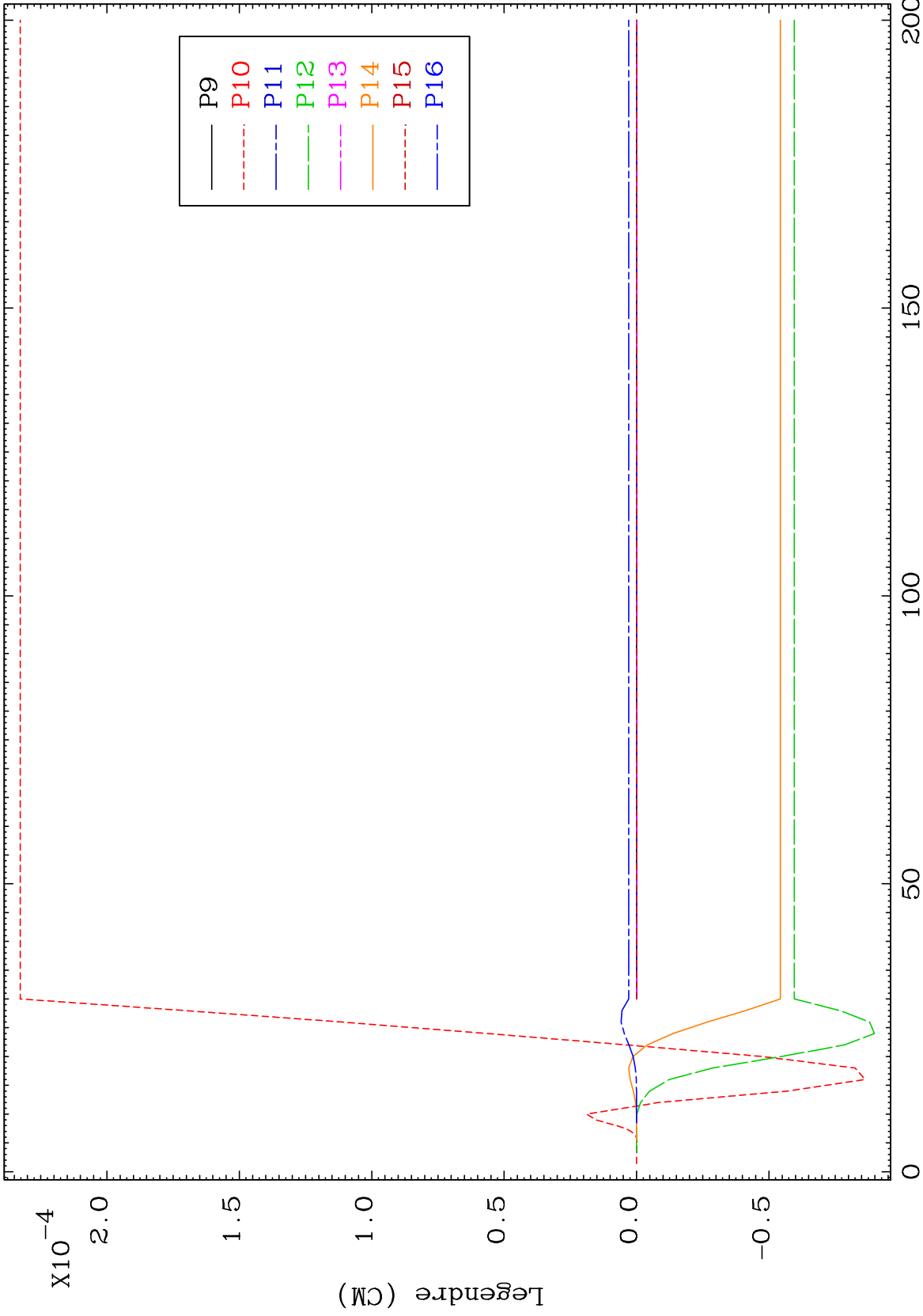
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



28

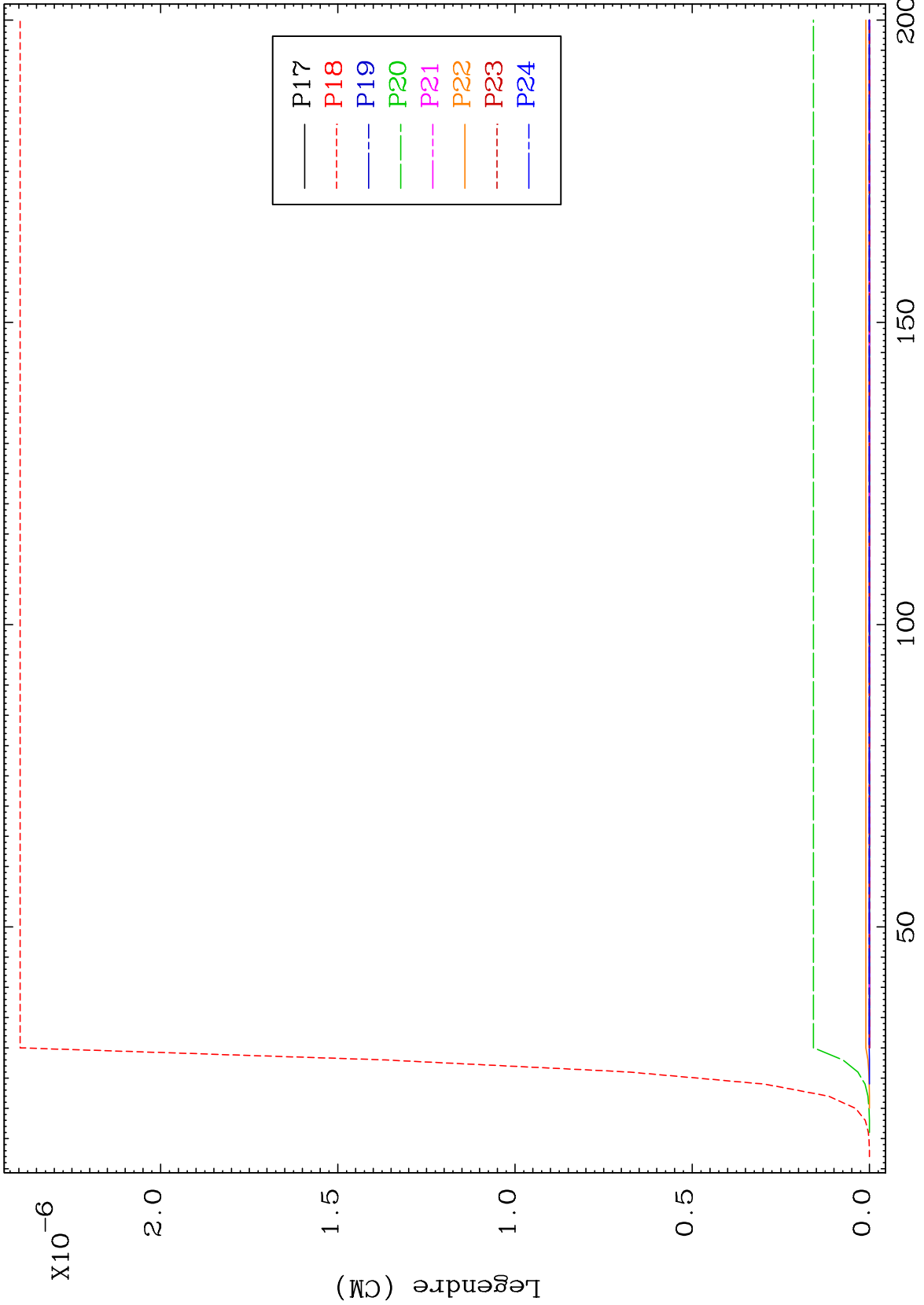
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



29

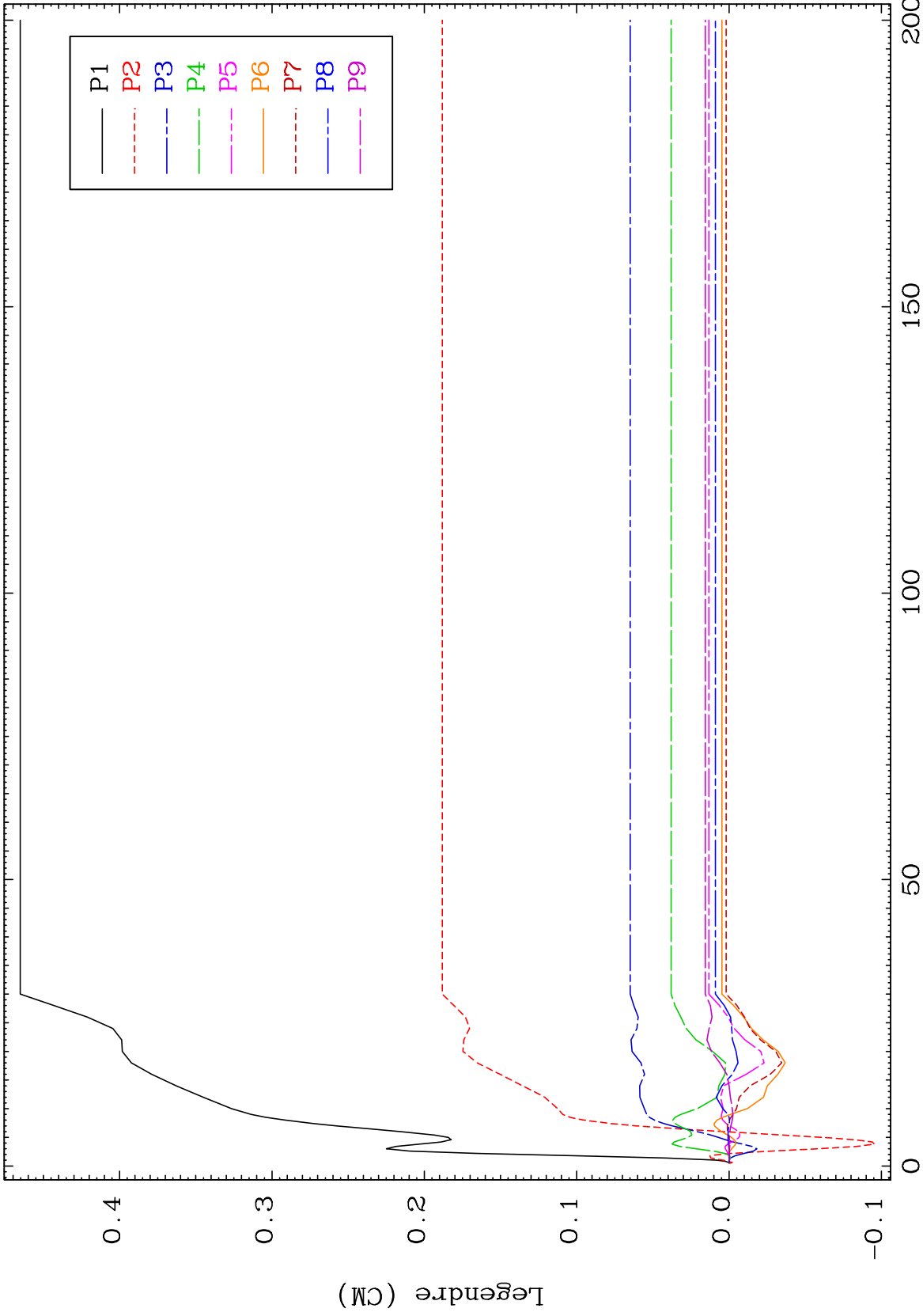
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



30

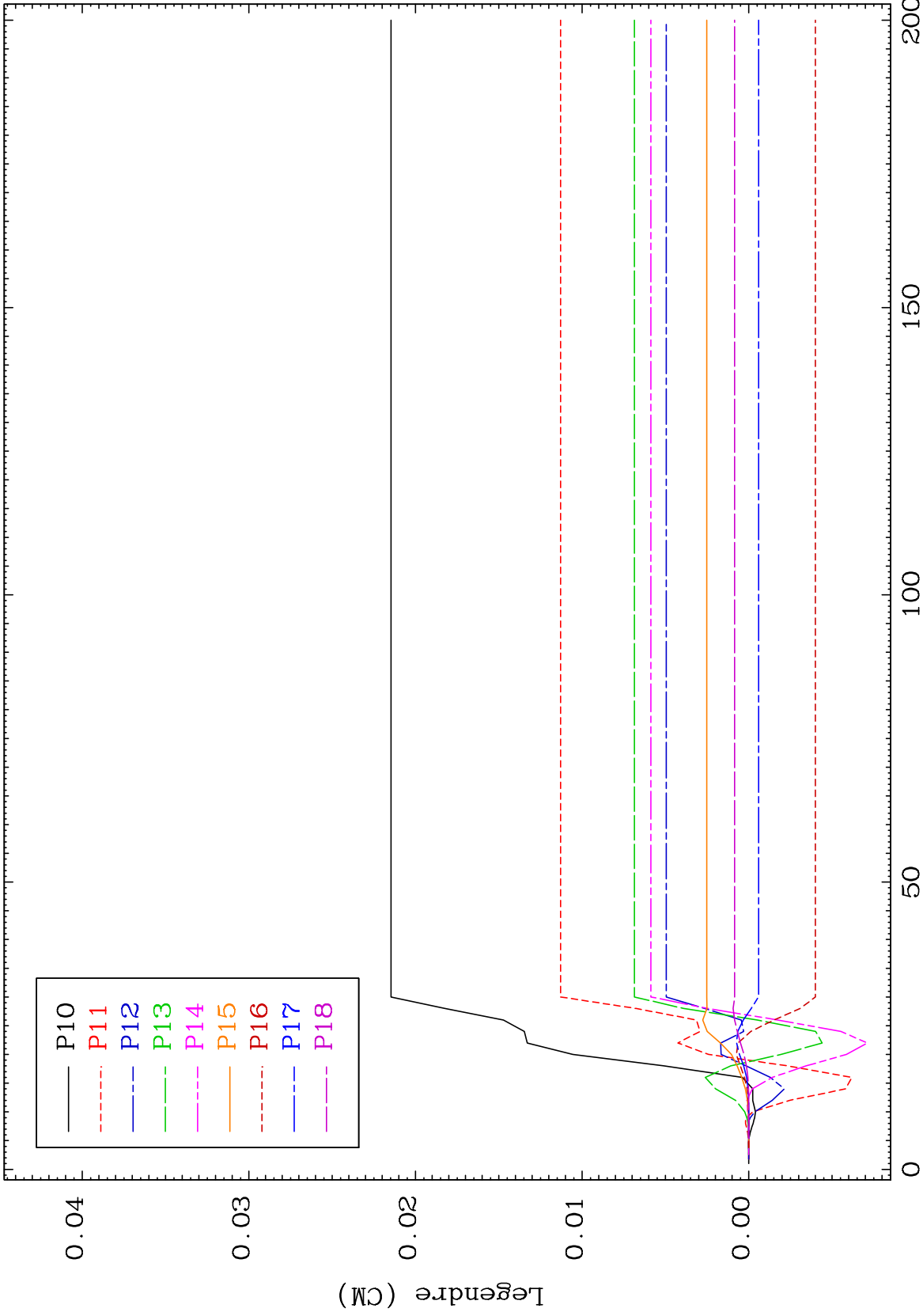
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



31

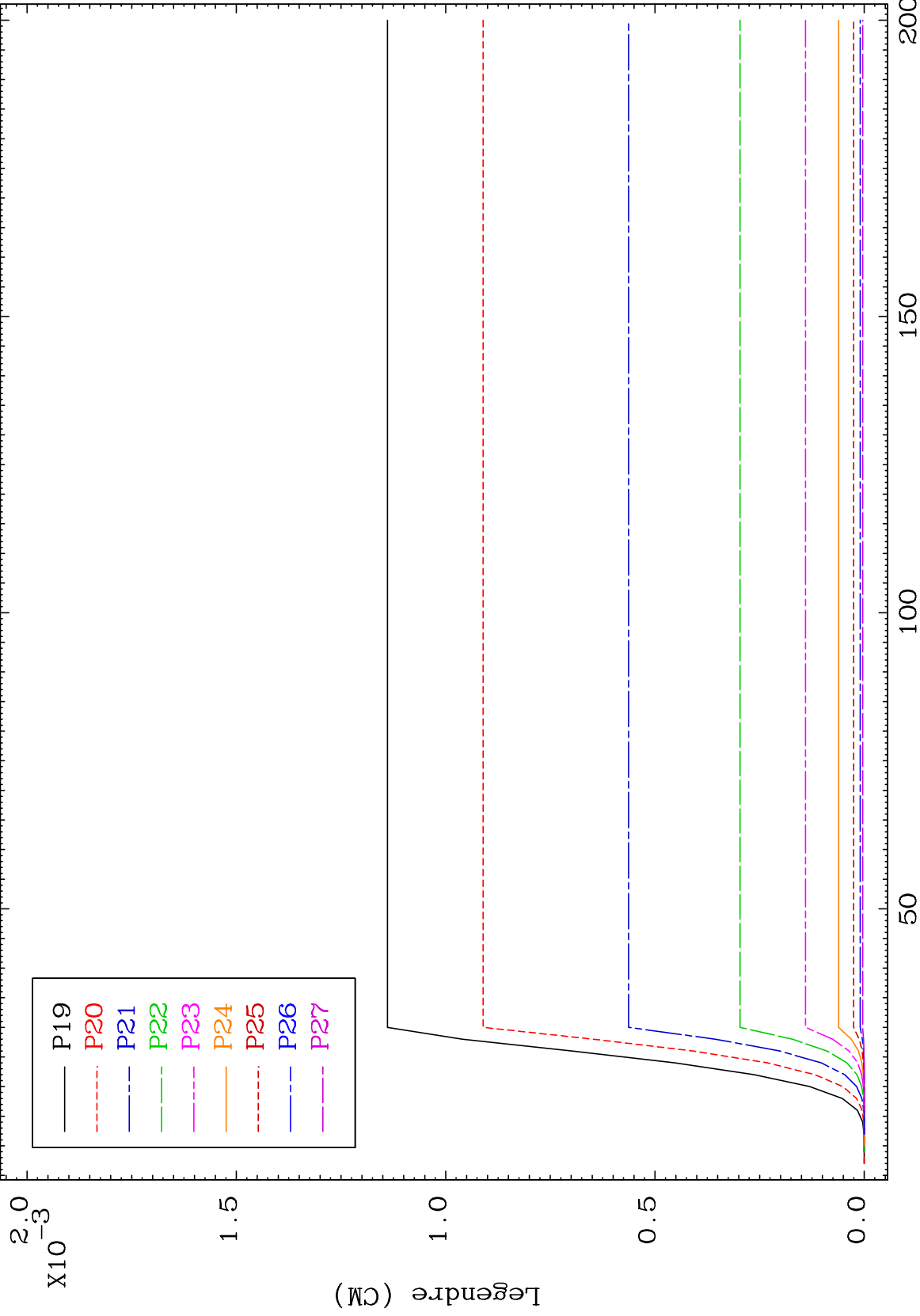
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



32

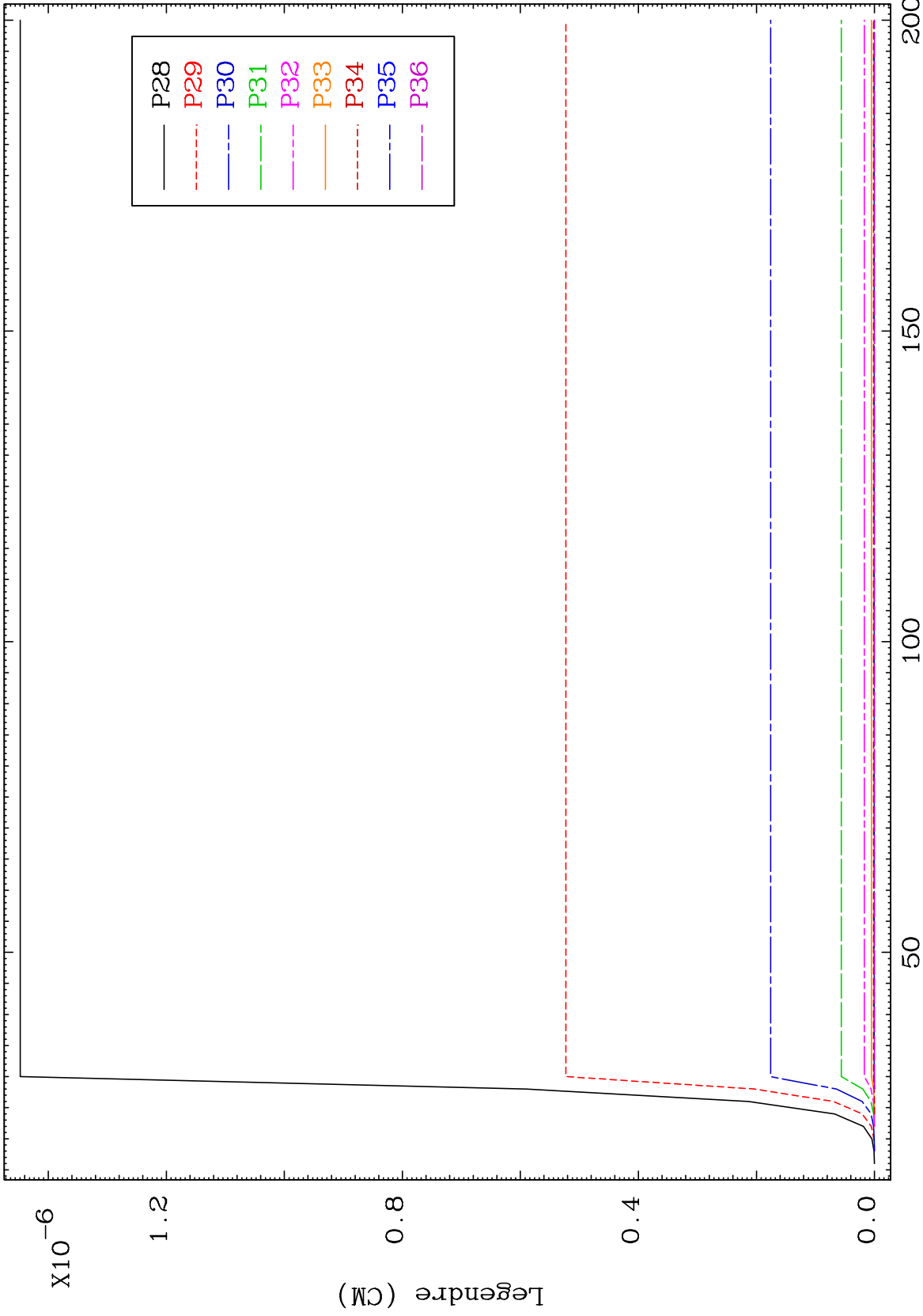
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



33

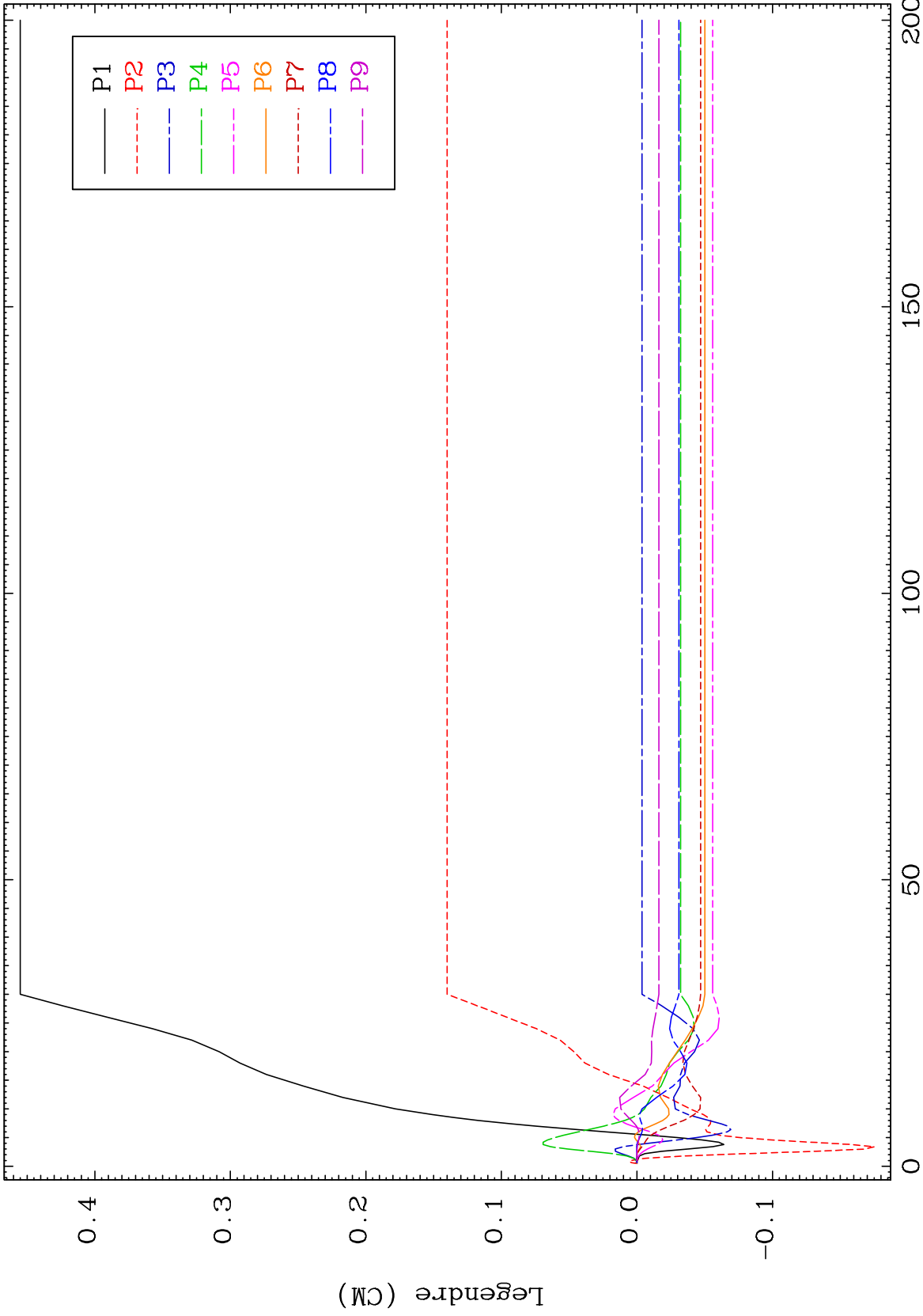
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116

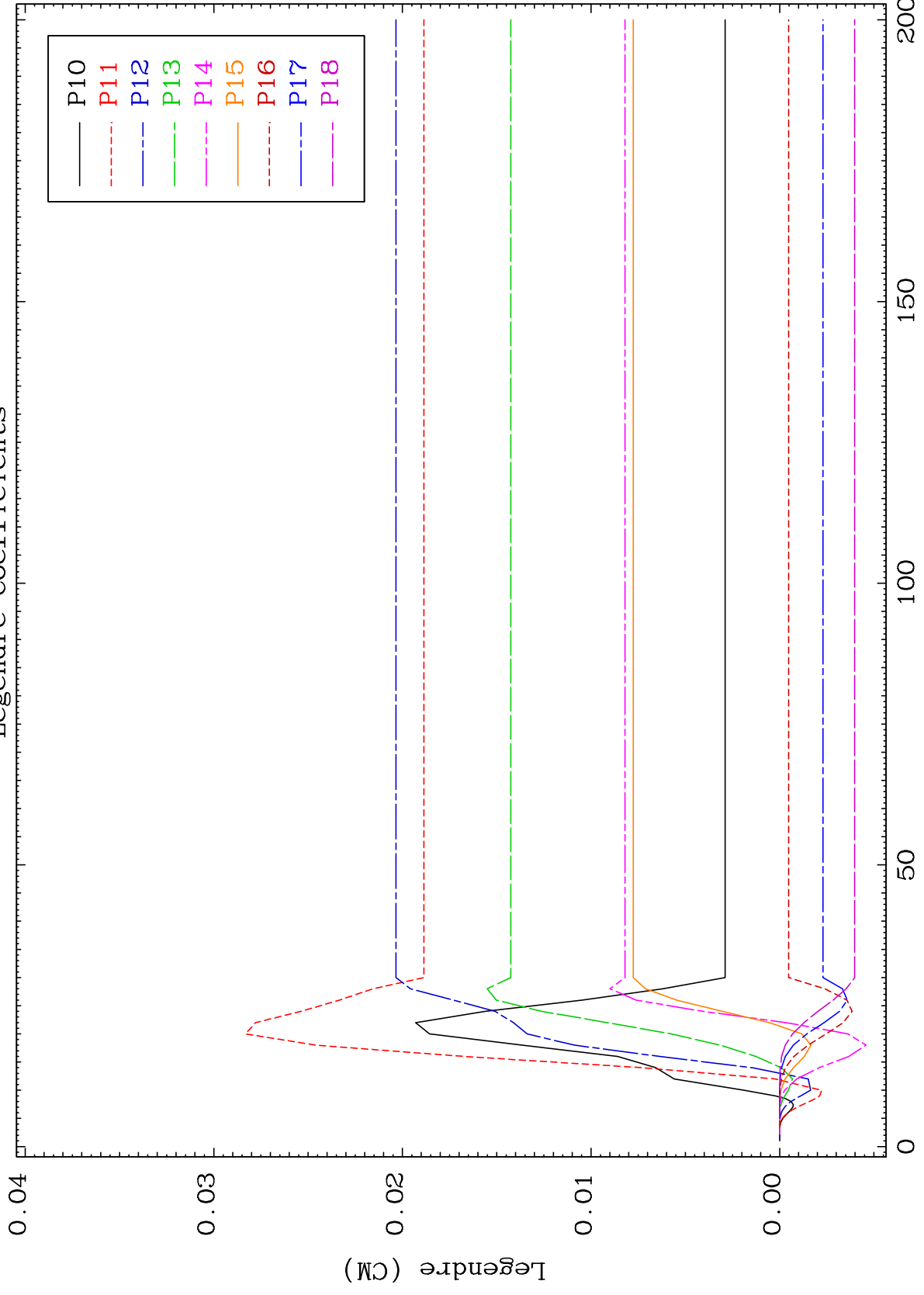


34

Incident Energy (MeV)

51-Sb-116

MAT 5110 MT= 55 (n,n') Level Legendre Coefficients 51-Sb-116

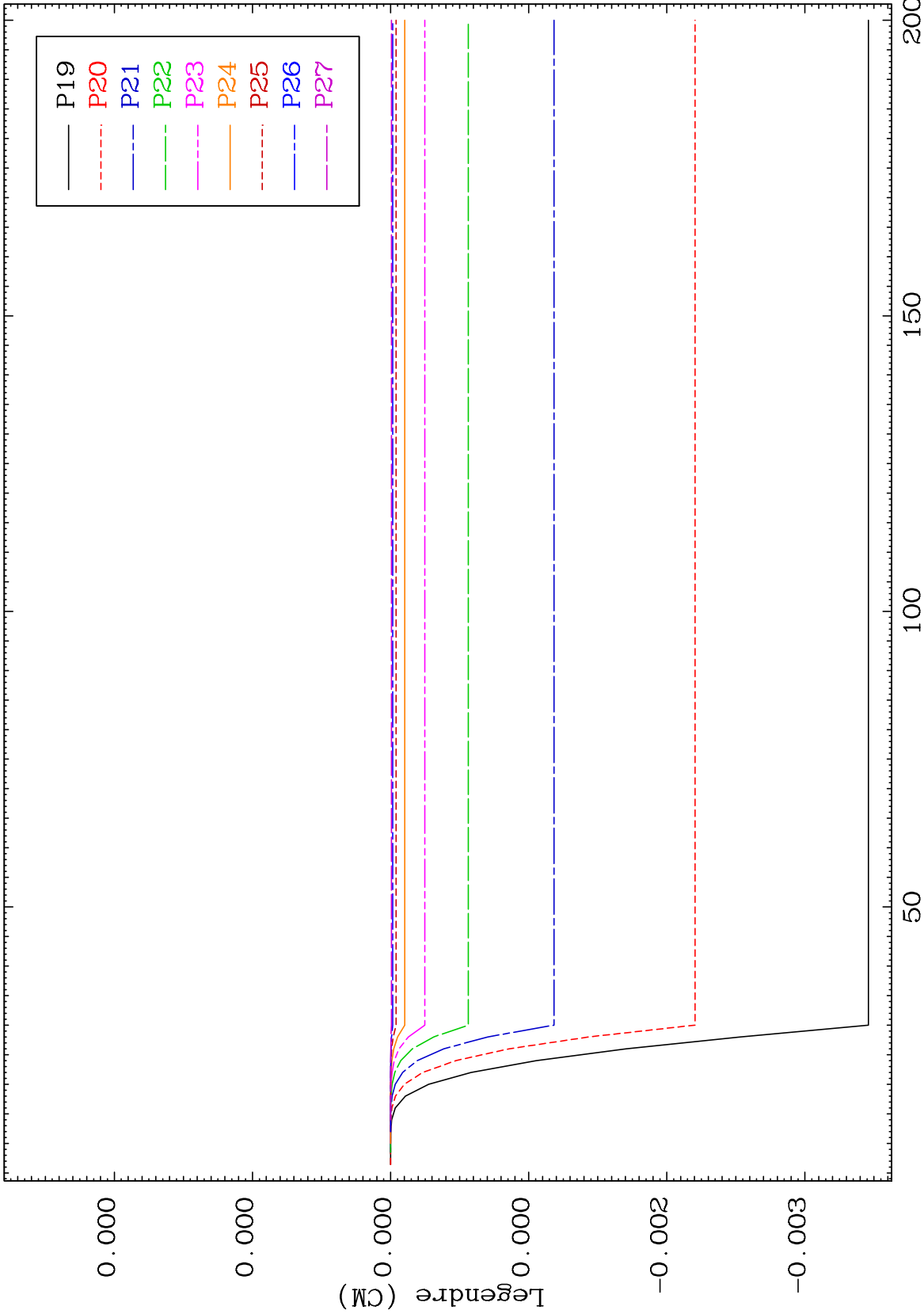


51-Sb-116

MAT 5110

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

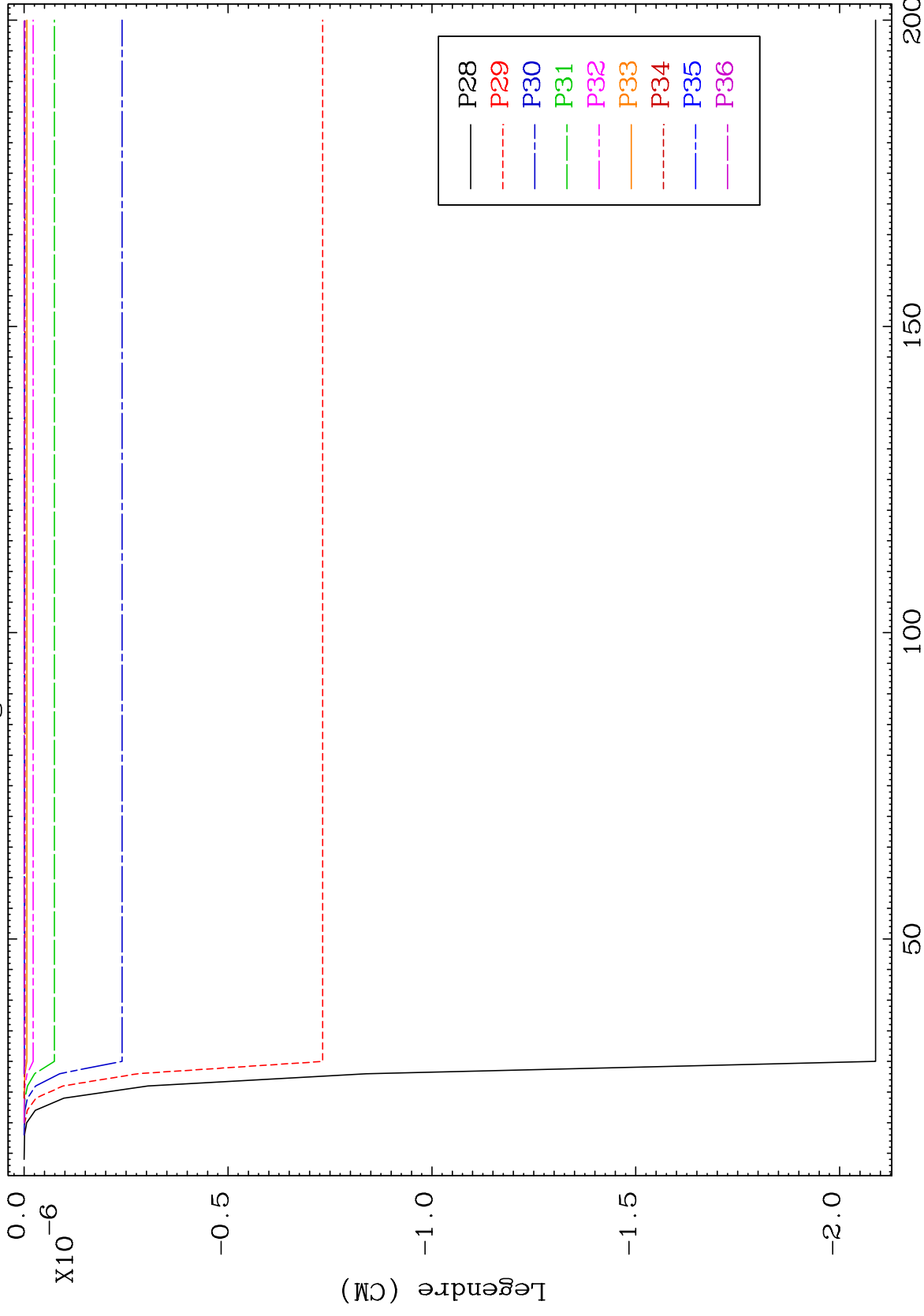
51-Sb-116



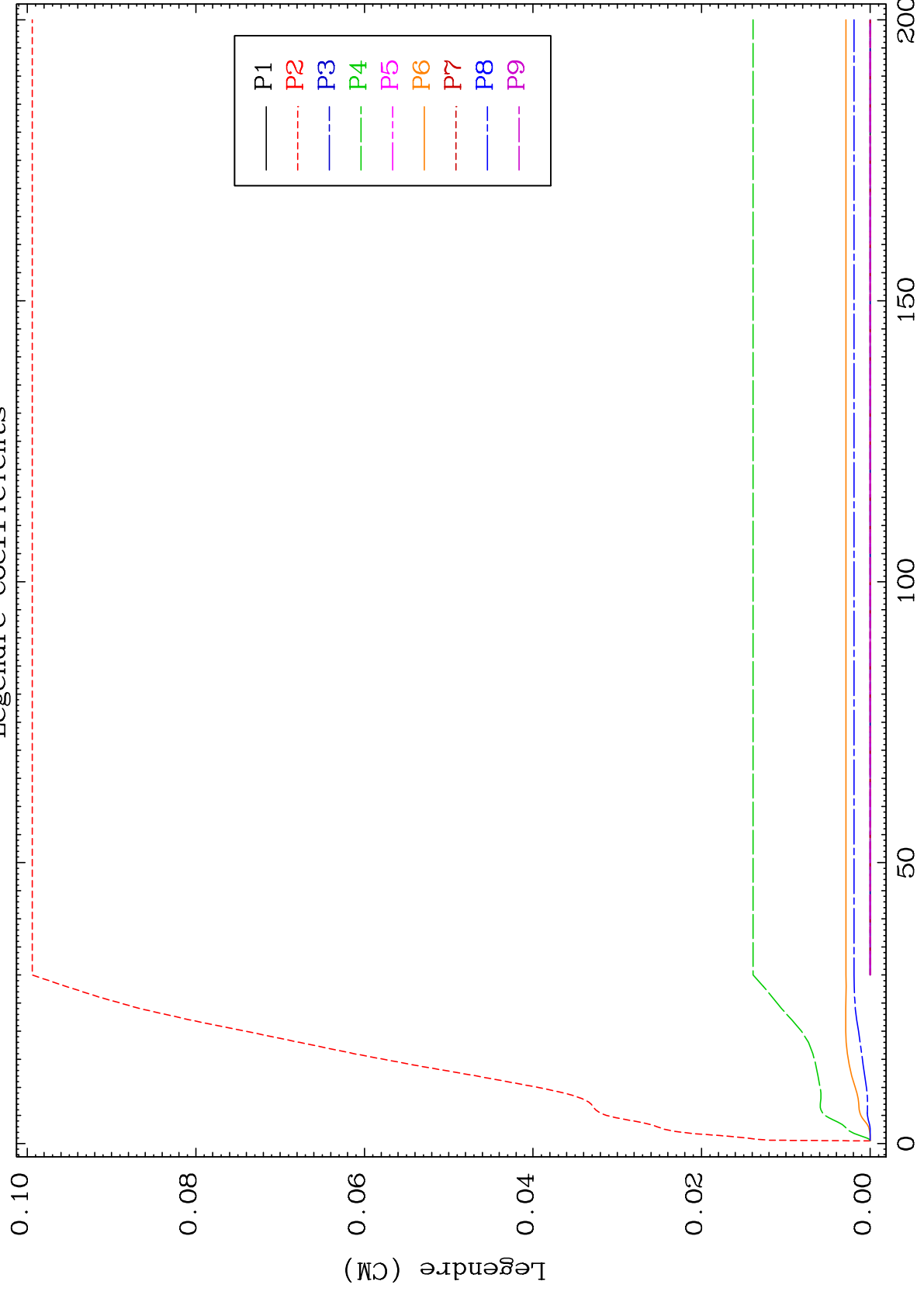
36

Incident Energy (MeV)

51-Sb-116



MAT 5110 MT= 56 (n,n') Level Legendre Coefficients 51-Sb-116

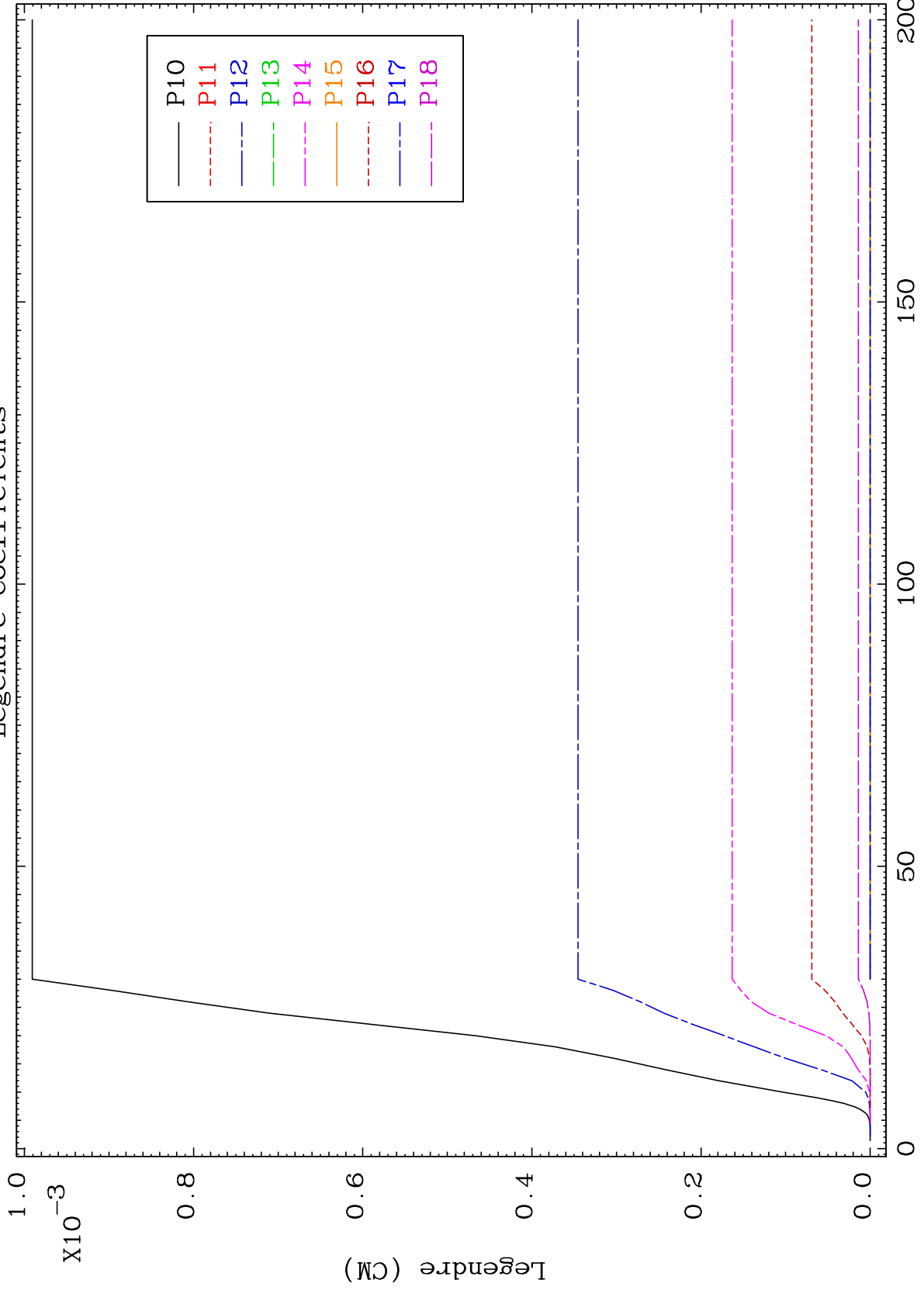


38 51-Sb-116

MAT 5110

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

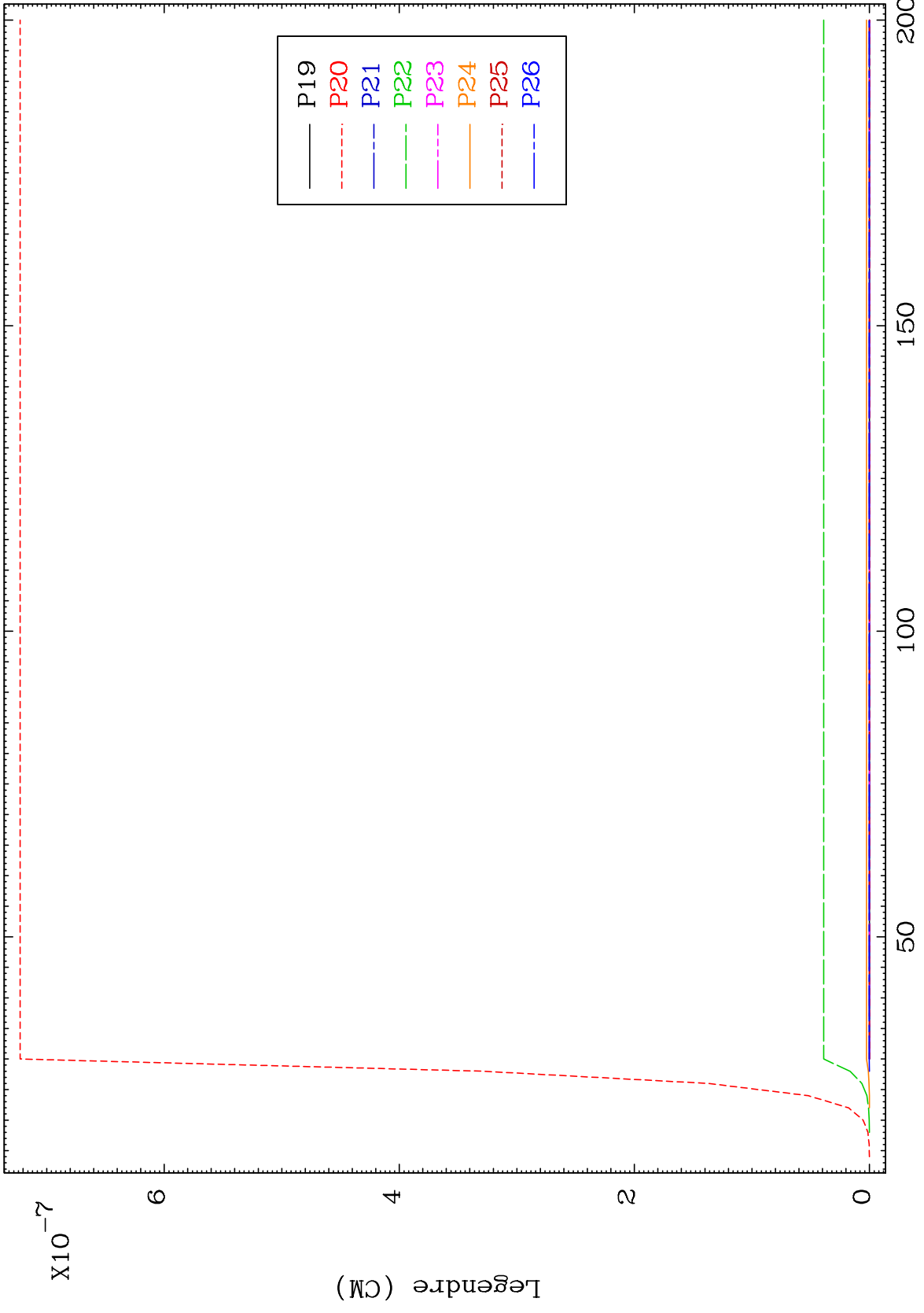
51-Sb-116



39

51-Sb-116

MAT 5110 MT= 56 (n,n') Level Legendre Coefficients 51-Sb-116

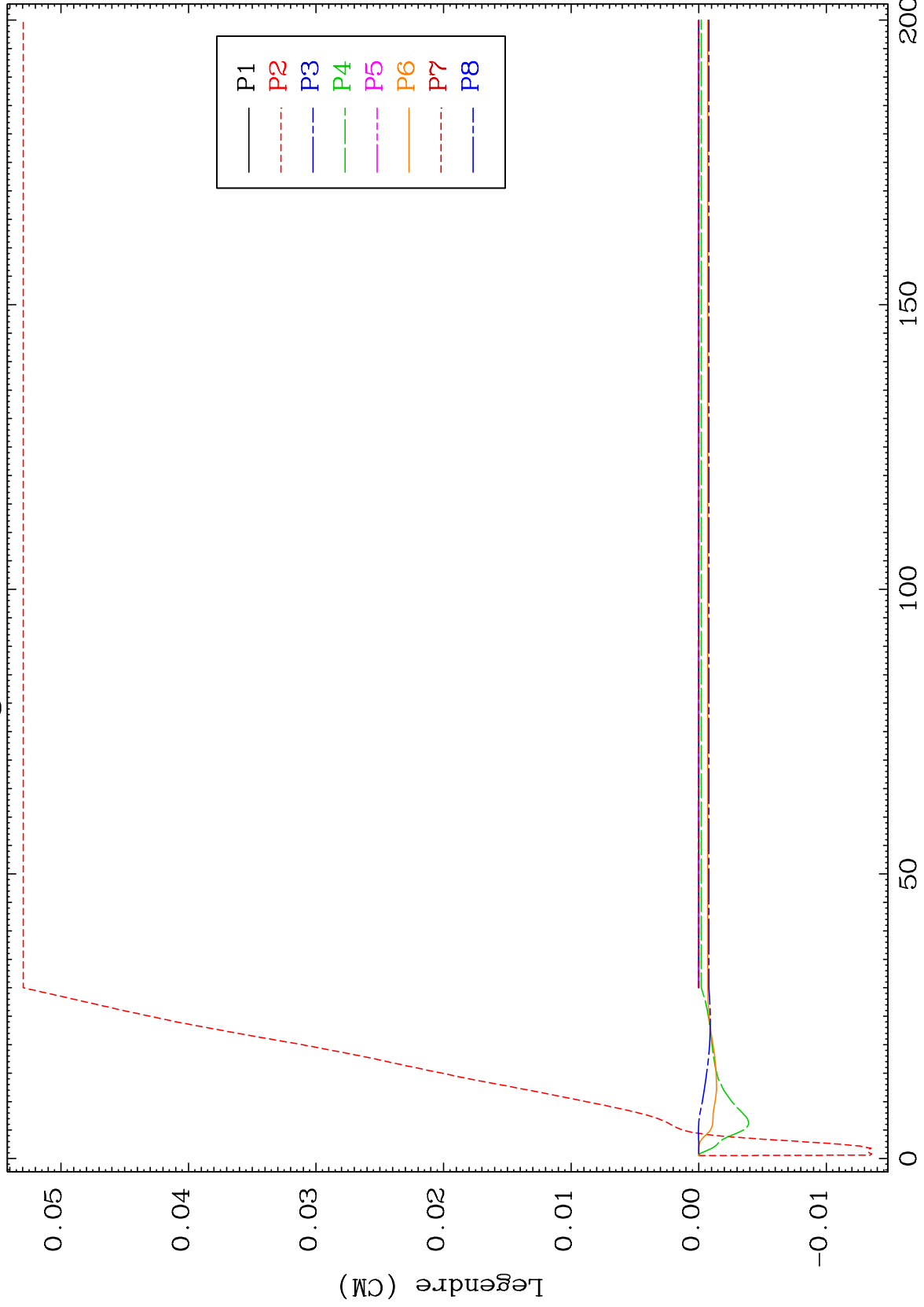


51-Sb-116

MAT 5110

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

51-Sb-116



41

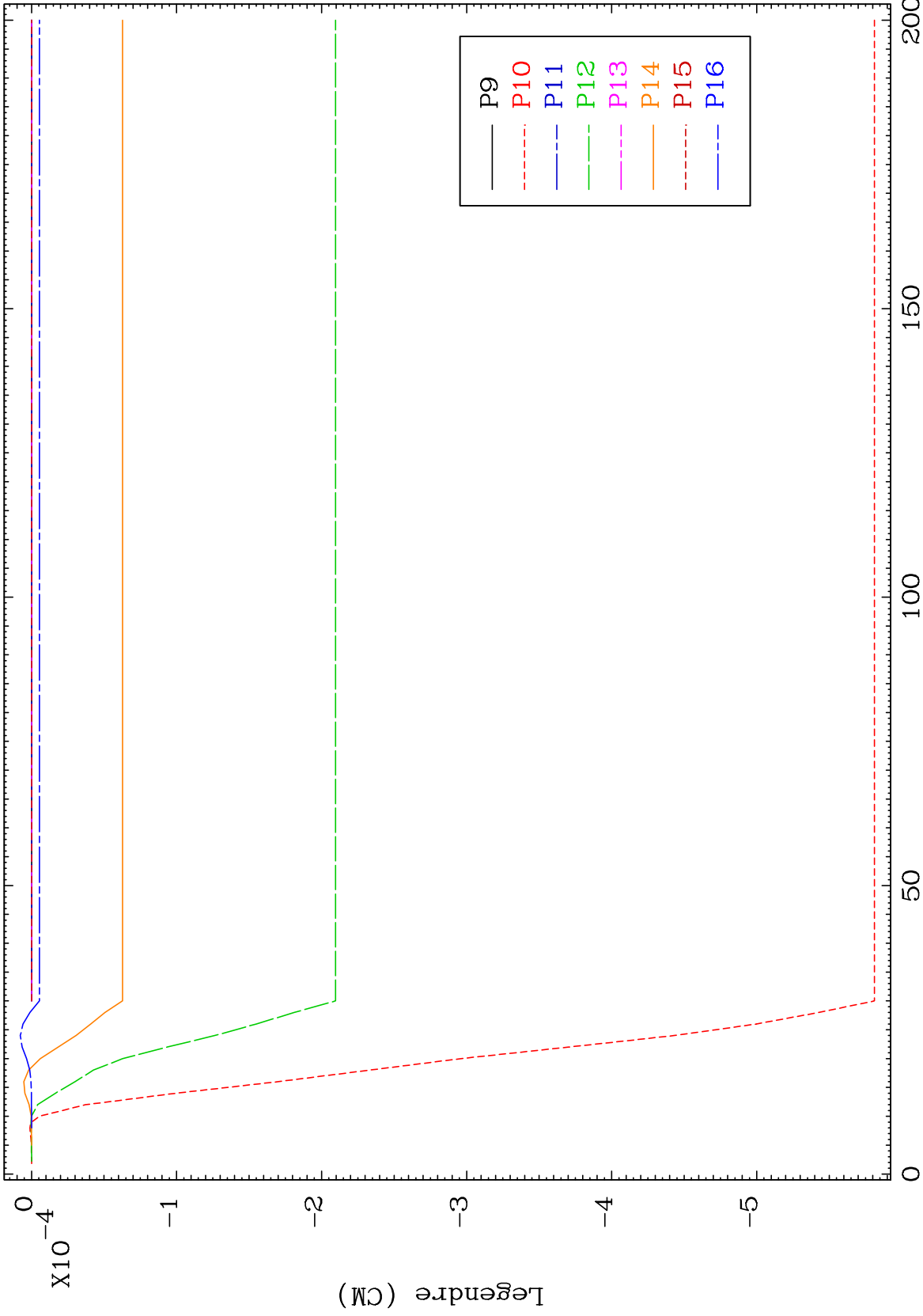
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



42

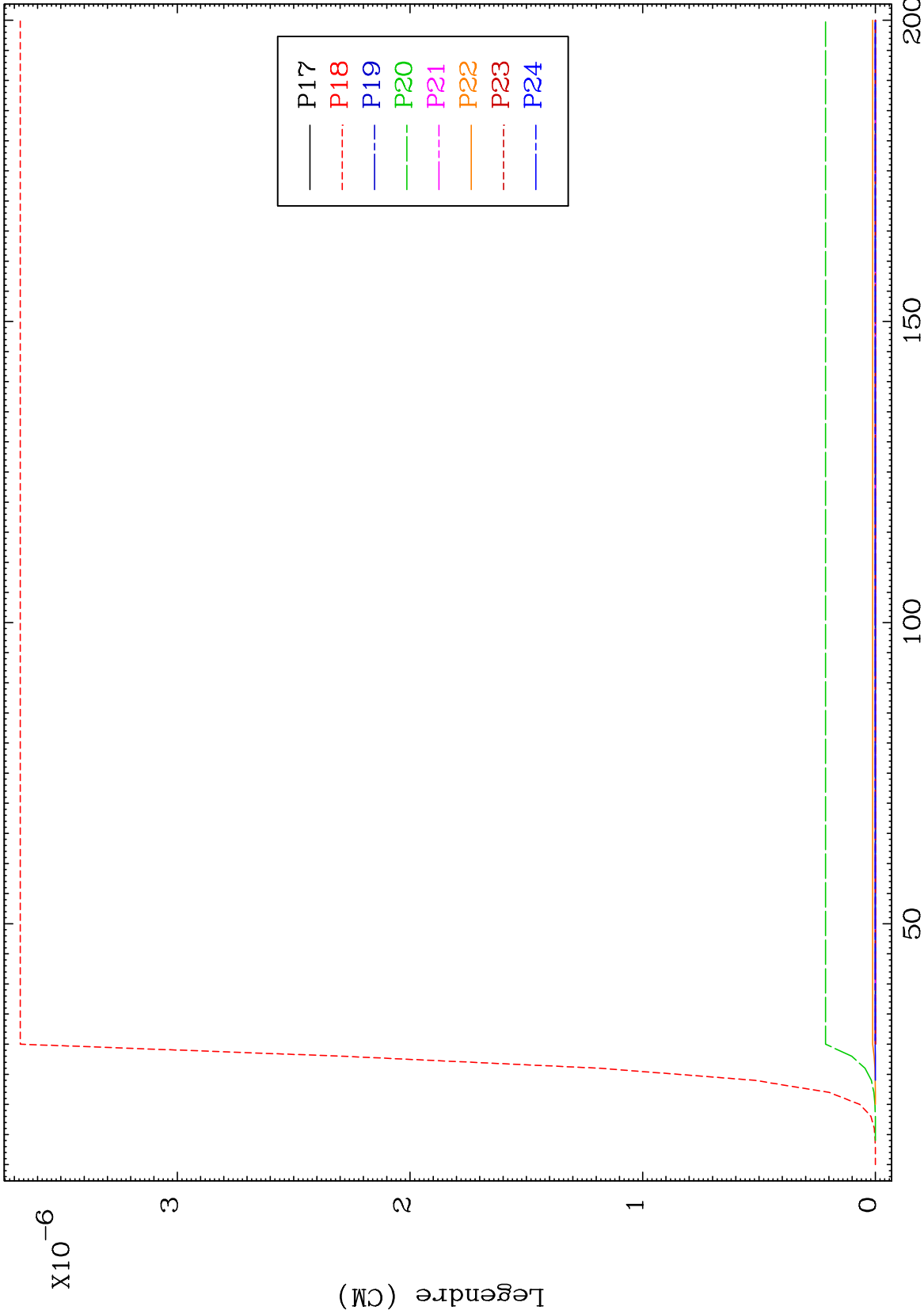
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



43

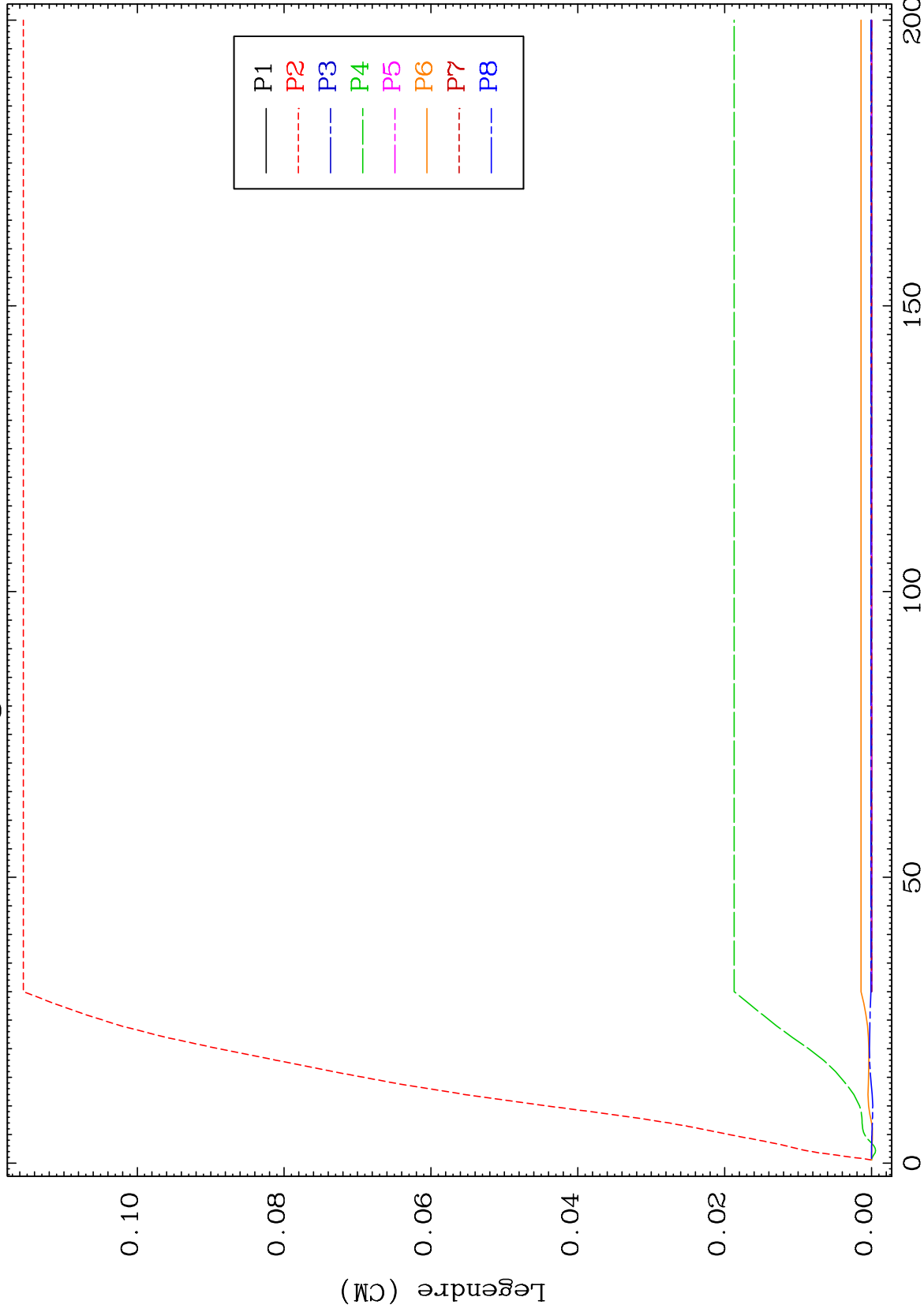
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116

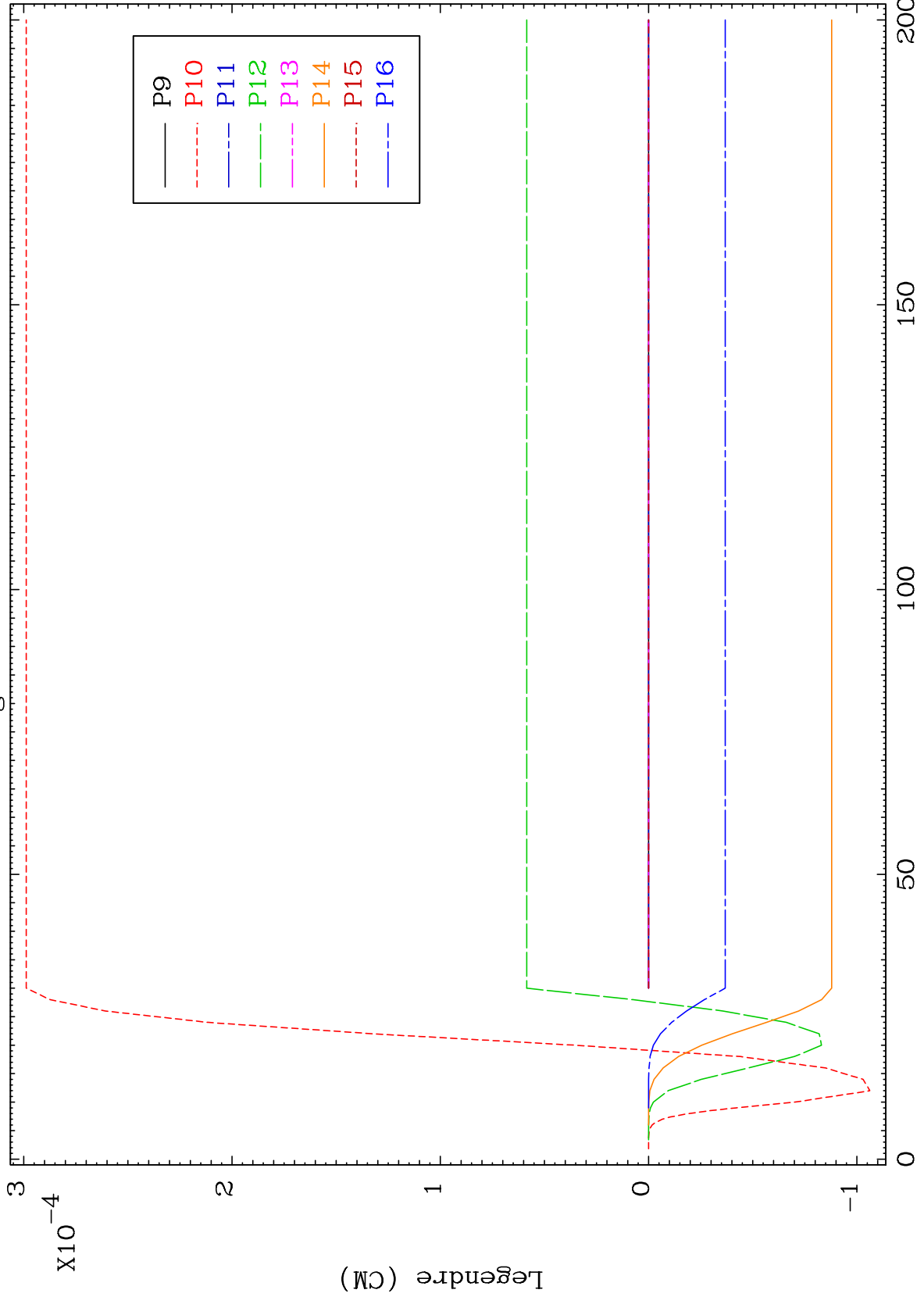


44

Incident Energy (MeV)

51-Sb-116

MAT 5110 MT= 58 (n,n') Level Legendre Coefficients 51-Sb-116

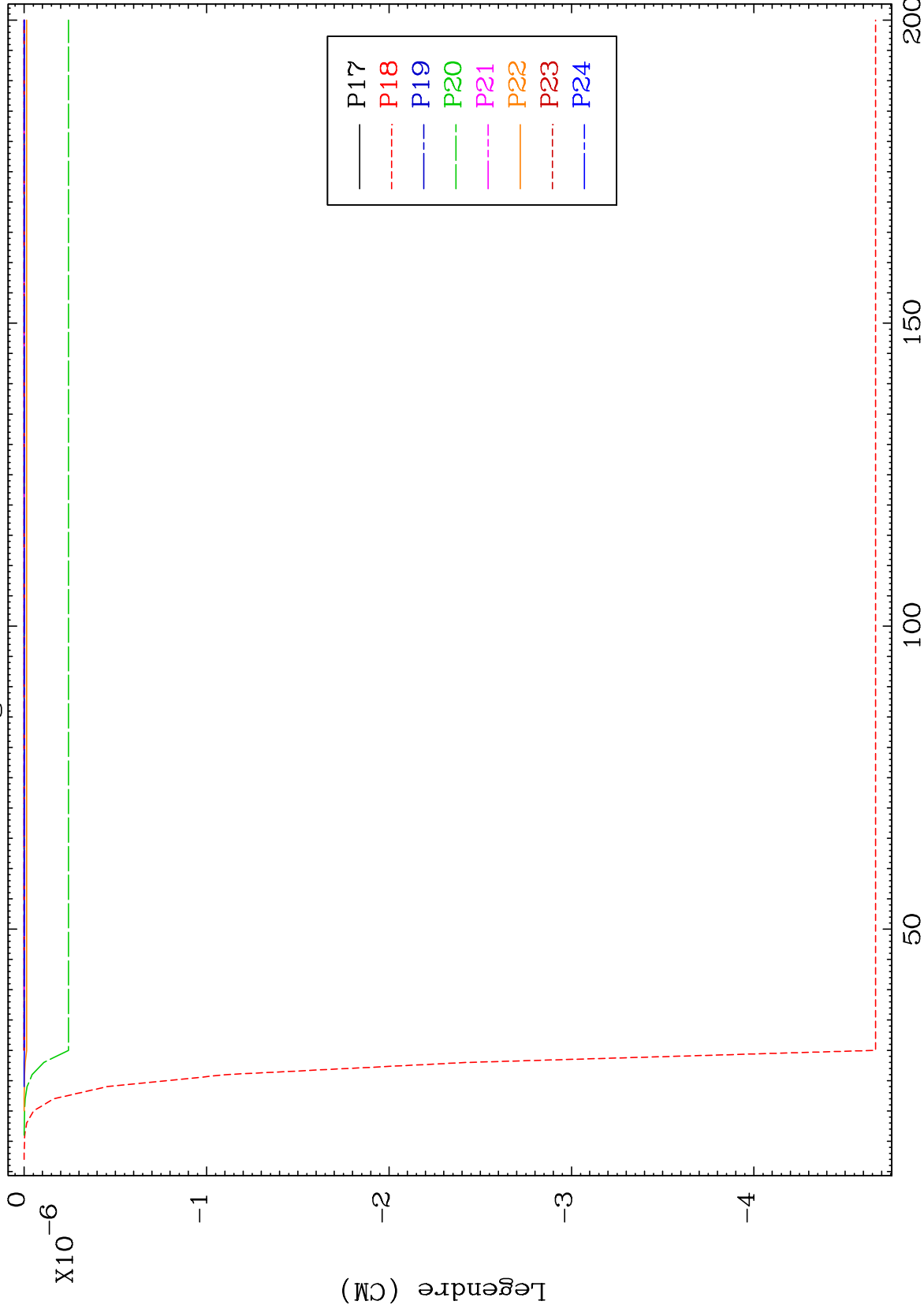


45 Incident Energy (MeV) 51-Sb-116

MAT 5110

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

51-Sb-116



51-Sb-116

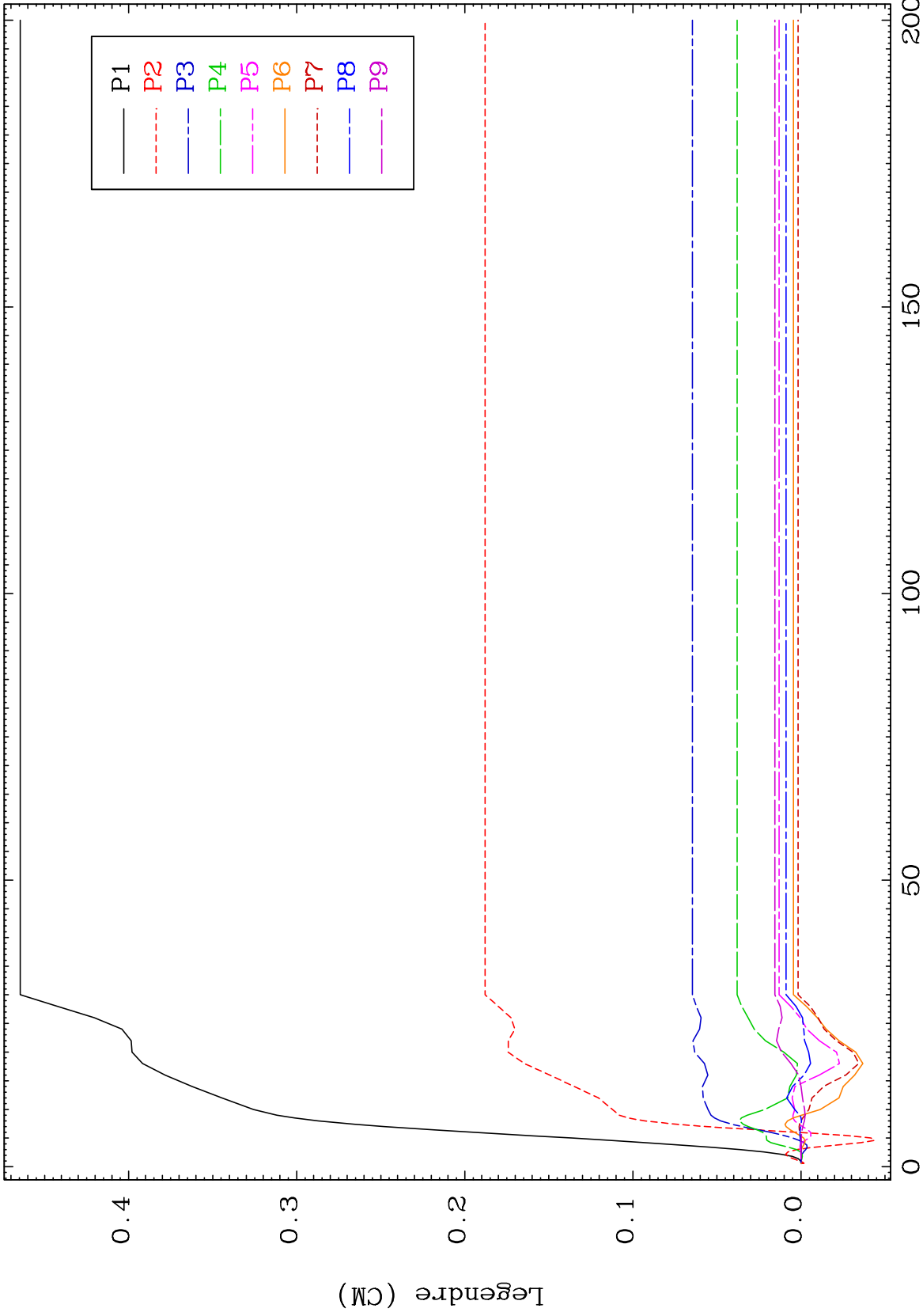
Incident Energy (MeV)

46

MAT 5110

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

51-Sb-116



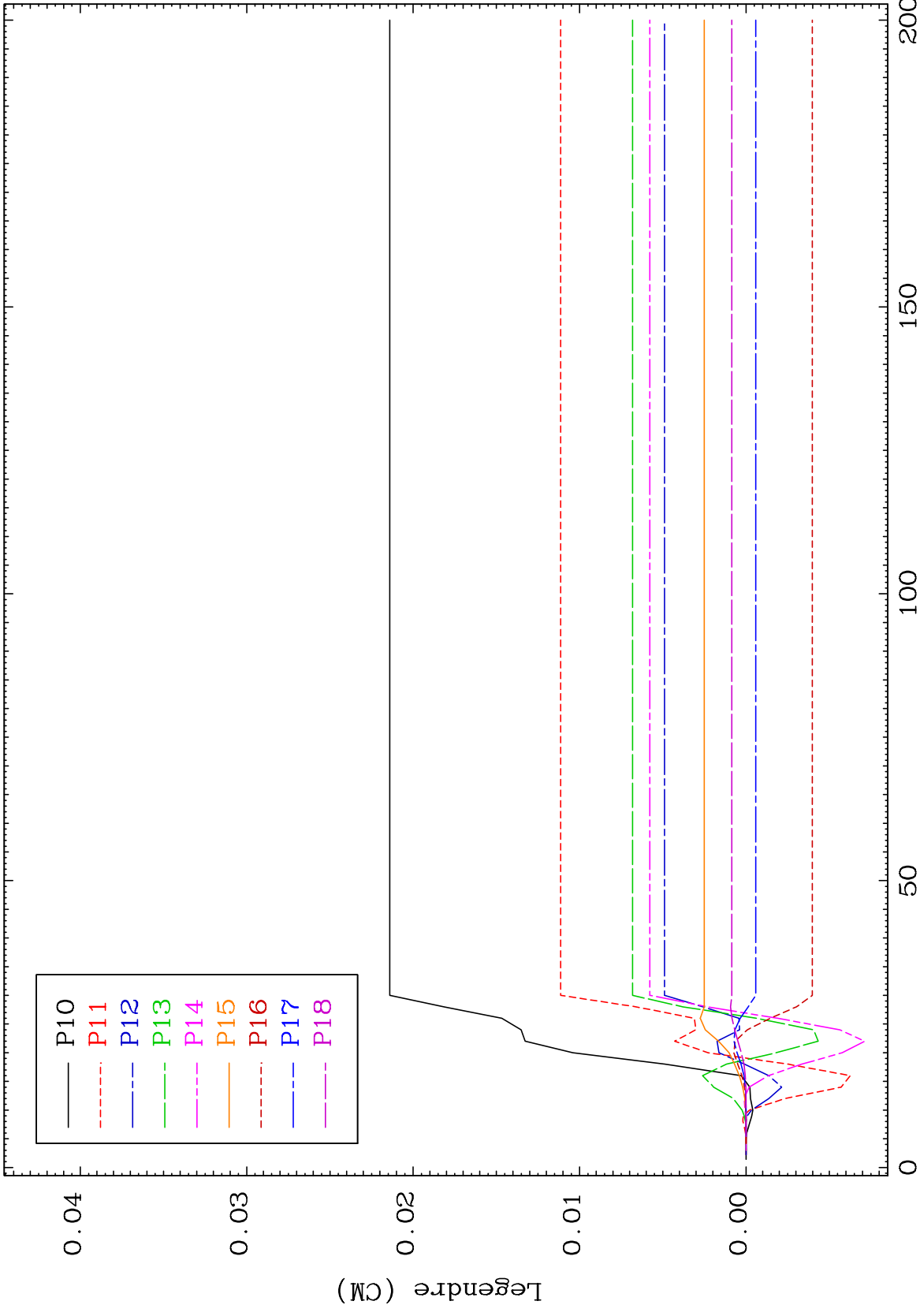
47

51-Sb-116

MAT 5110

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

51-Sb-116



48

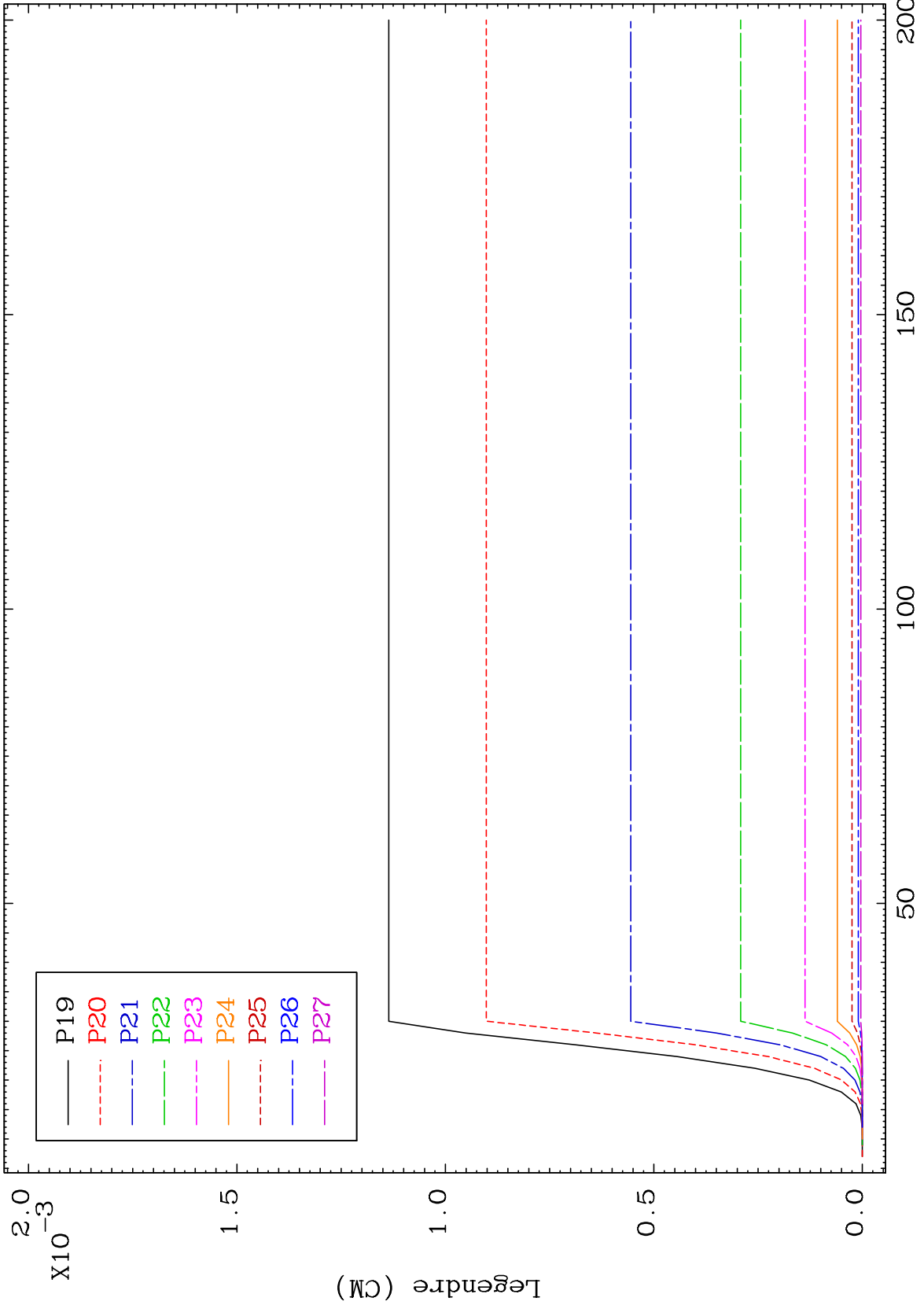
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



49

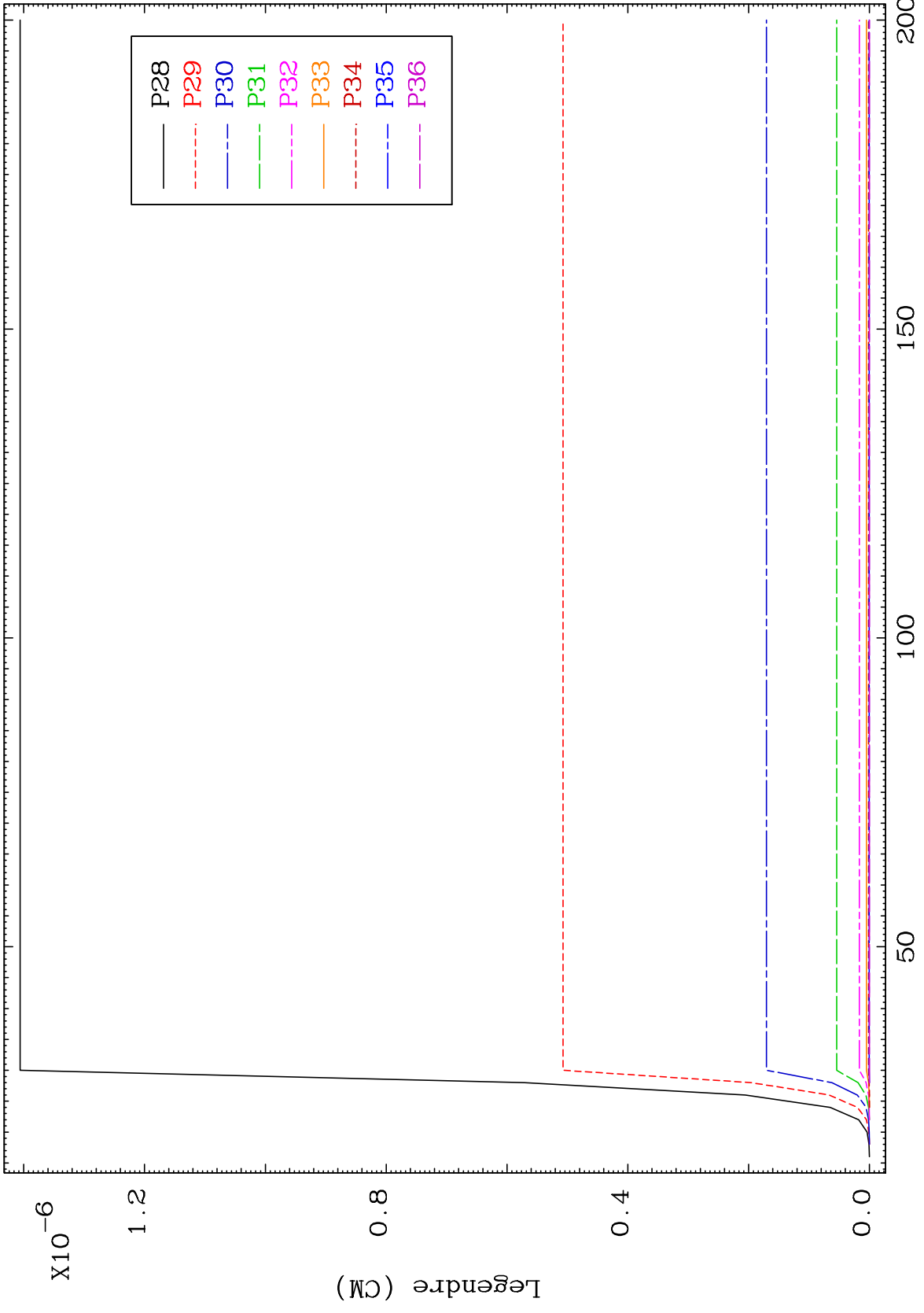
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



50

50

100

150

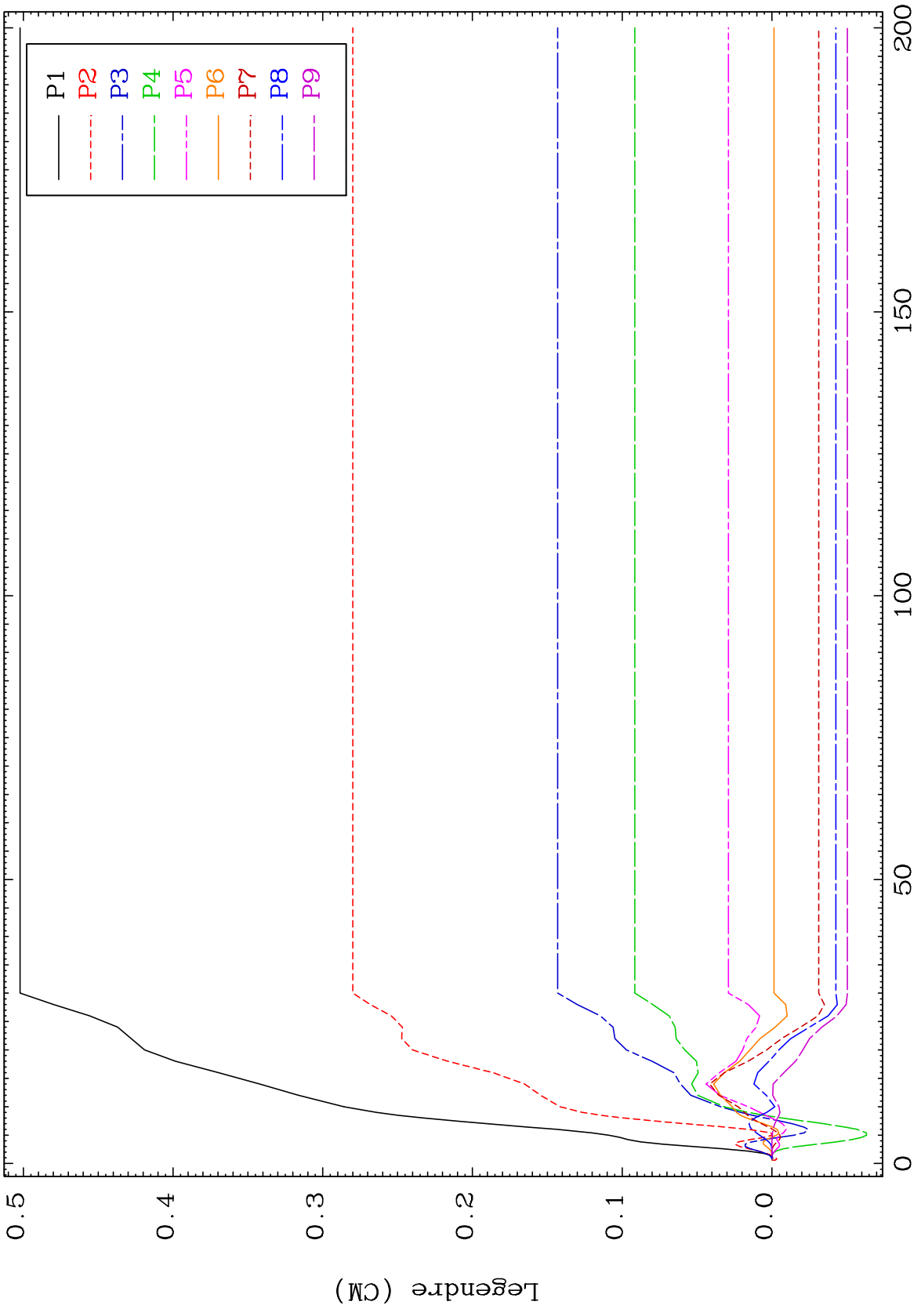
200

51-Sb-116

MAT 5110

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

51-Sb-116

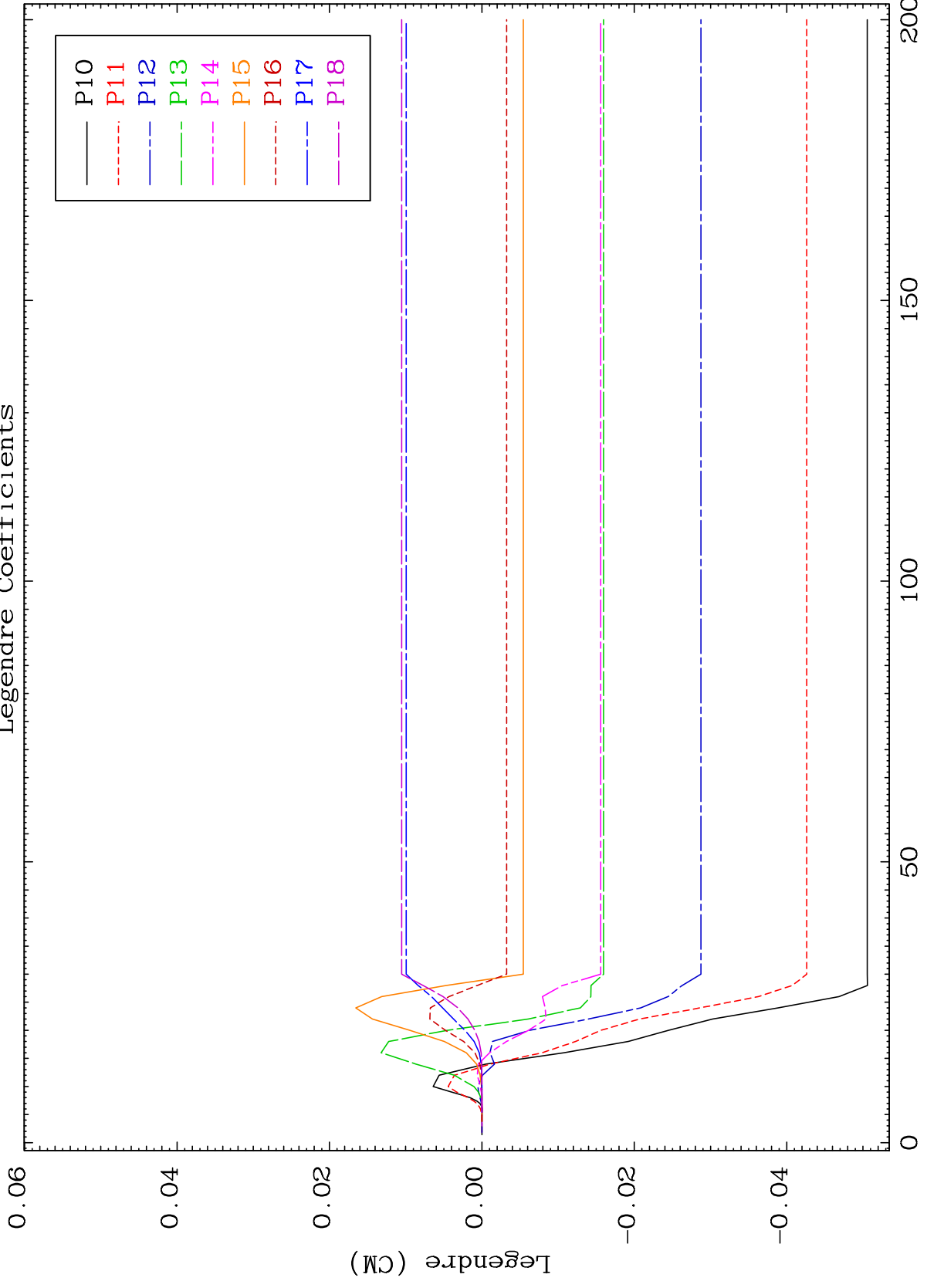


51

Incident Energy (MeV)

51-Sb-116

MAT 5110 MT= 60 (n,n') Level Legendre Coefficients 51-Sb-116

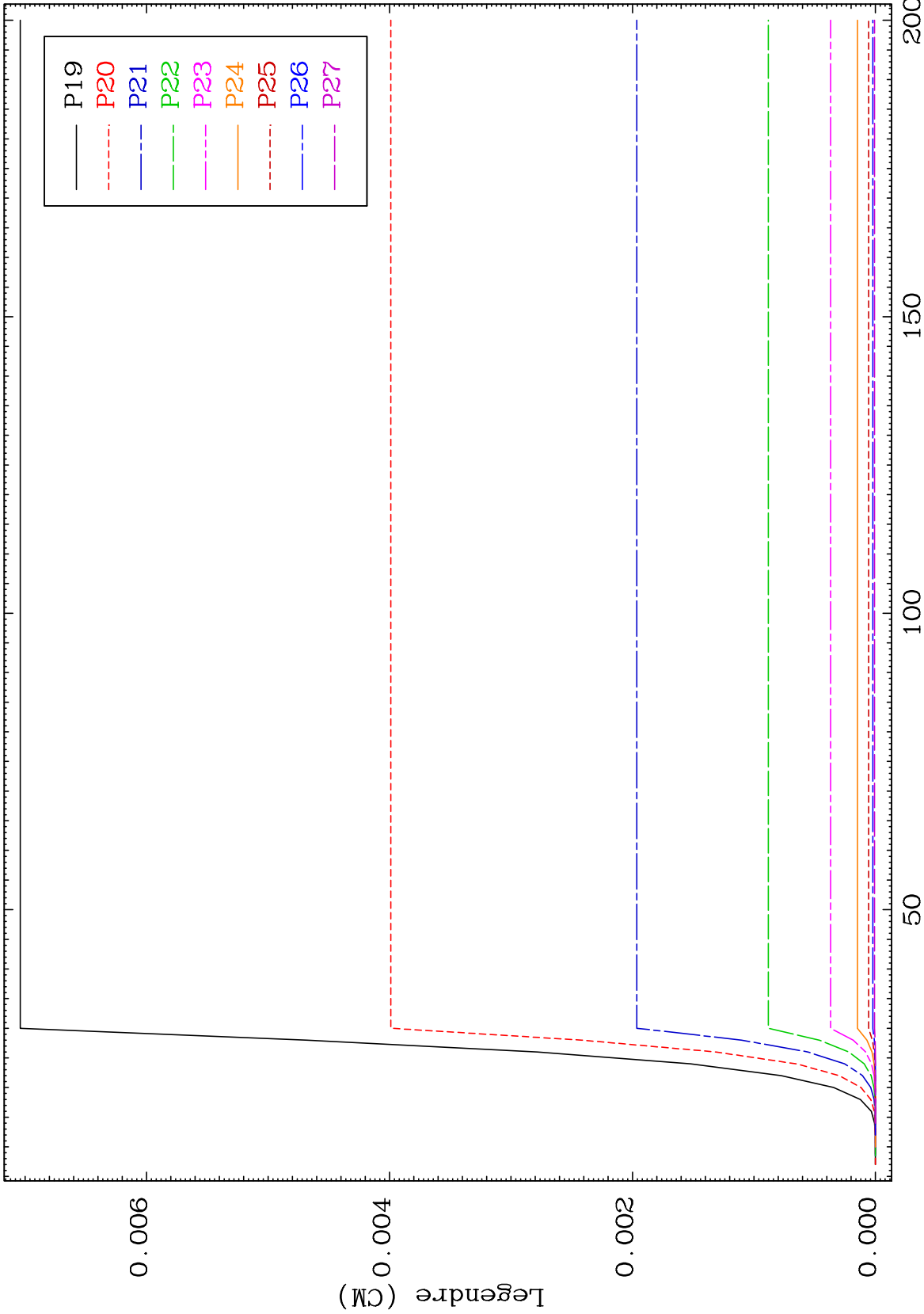


52 51-Sb-116

MAT 5110

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

51-Sb-116



53

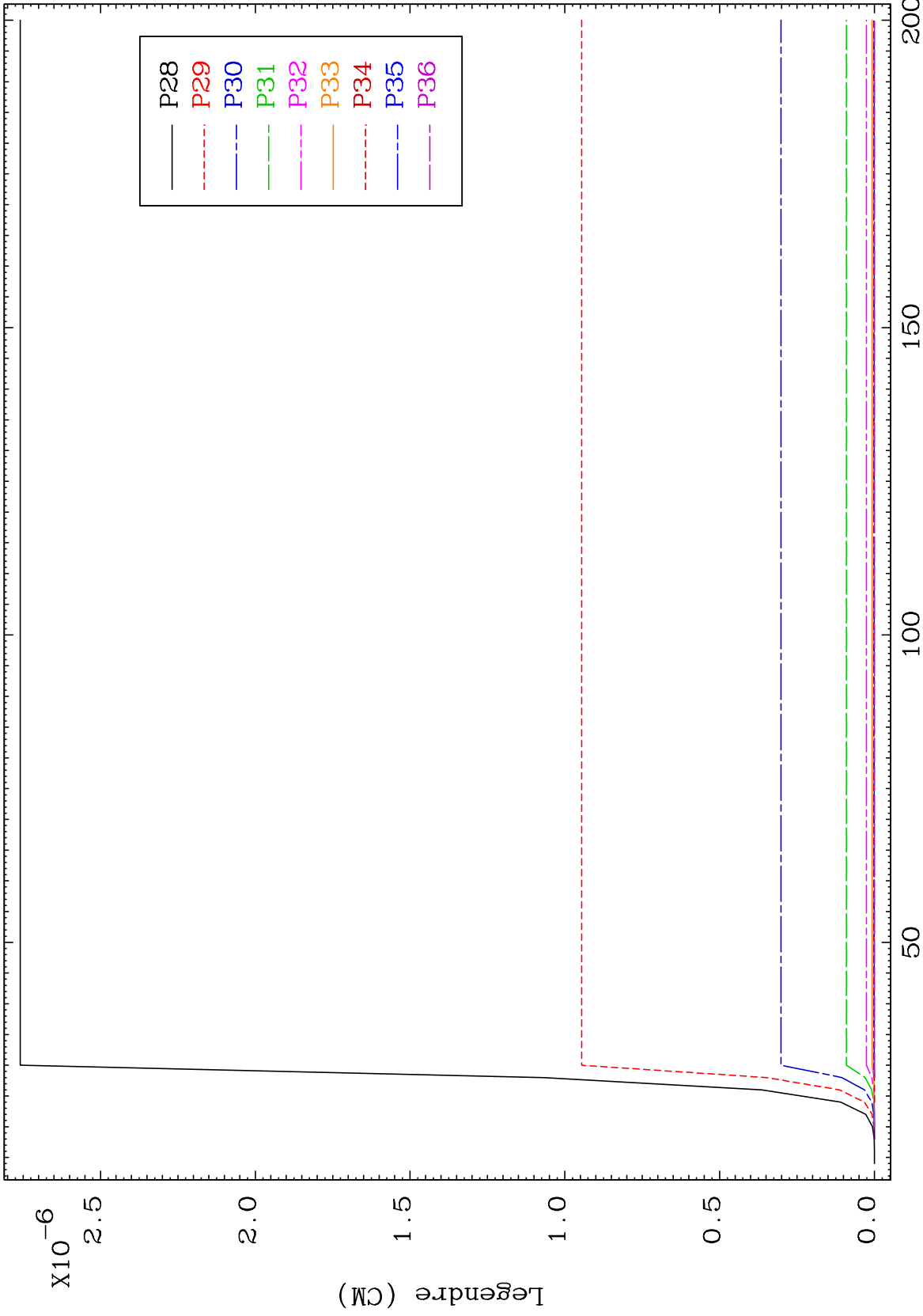
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



54

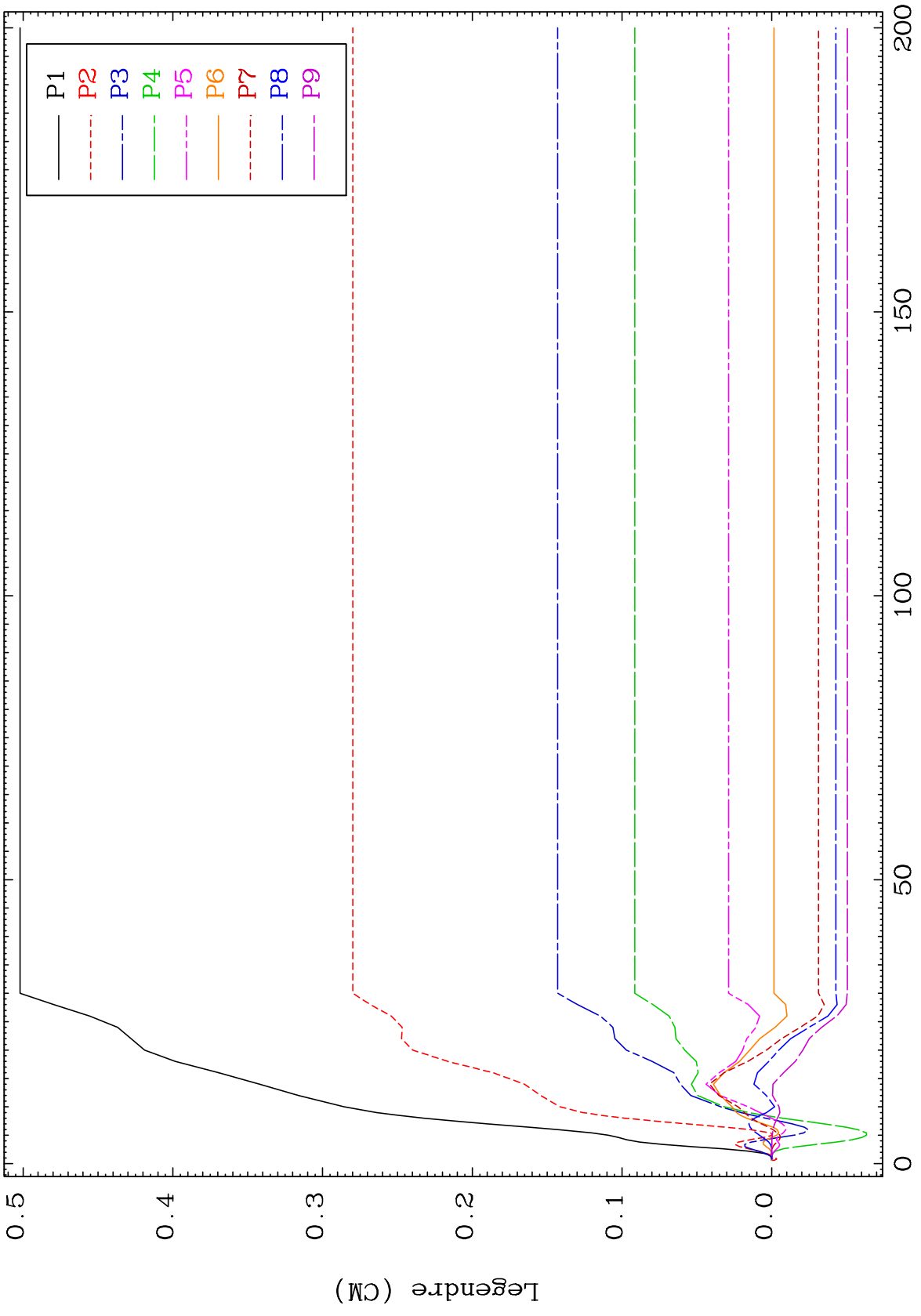
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116

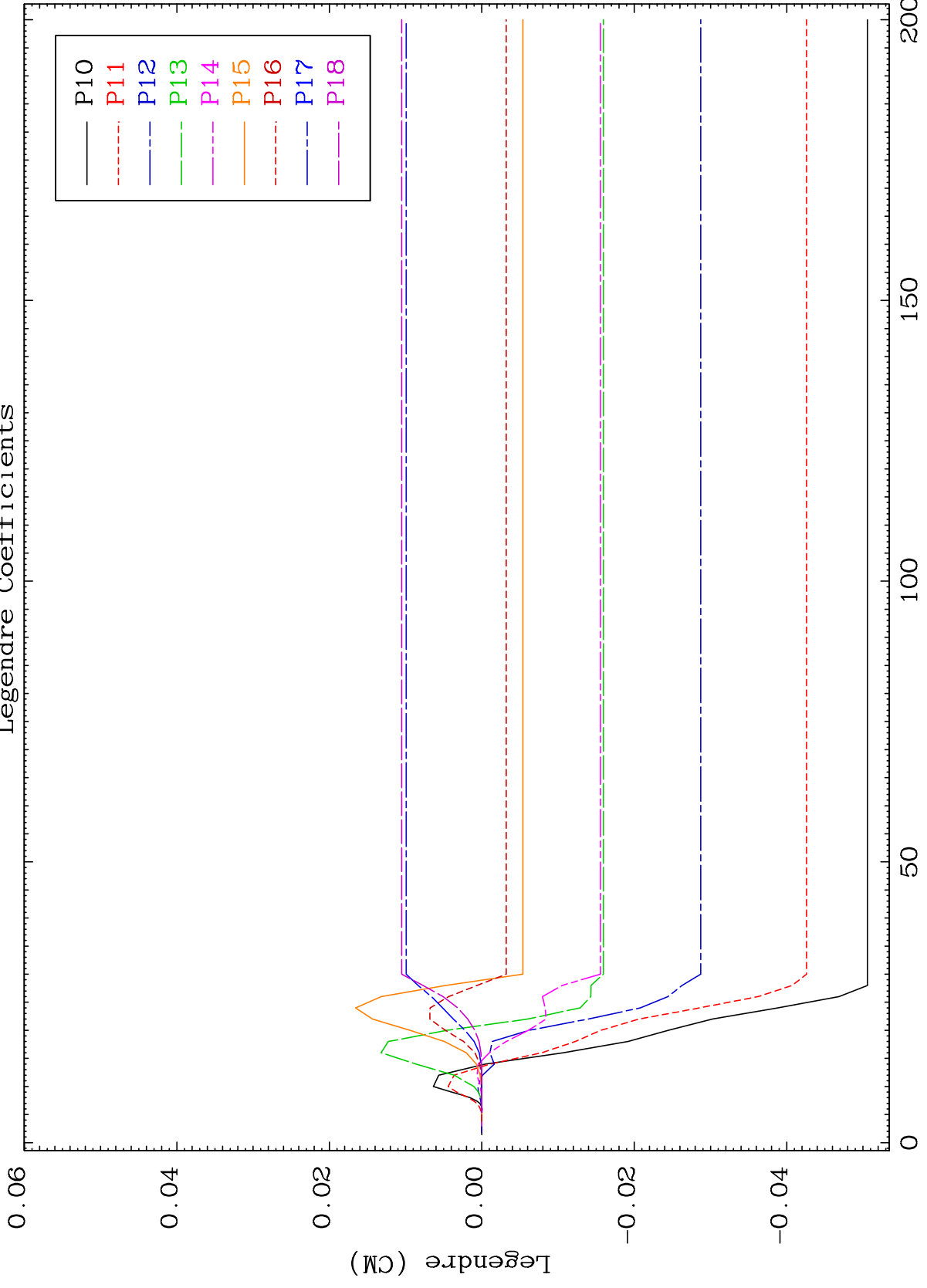


55

Incident Energy (MeV)

51-Sb-116

MAT 5110 MT= 61 (n,n') Level Legendre Coefficients 51-Sb-116

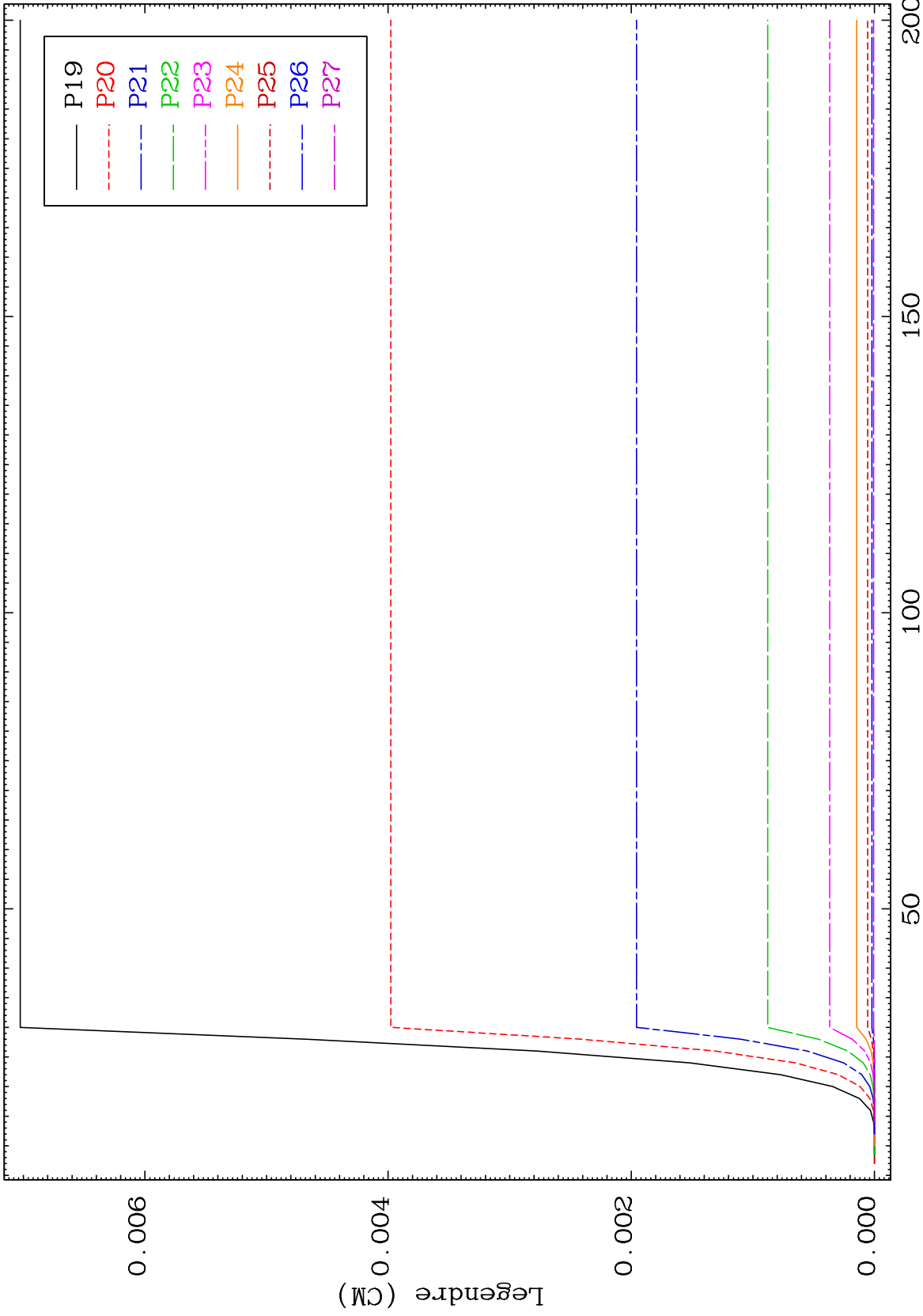


56 51-Sb-116

MAT 5110

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

51-Sb-116



57

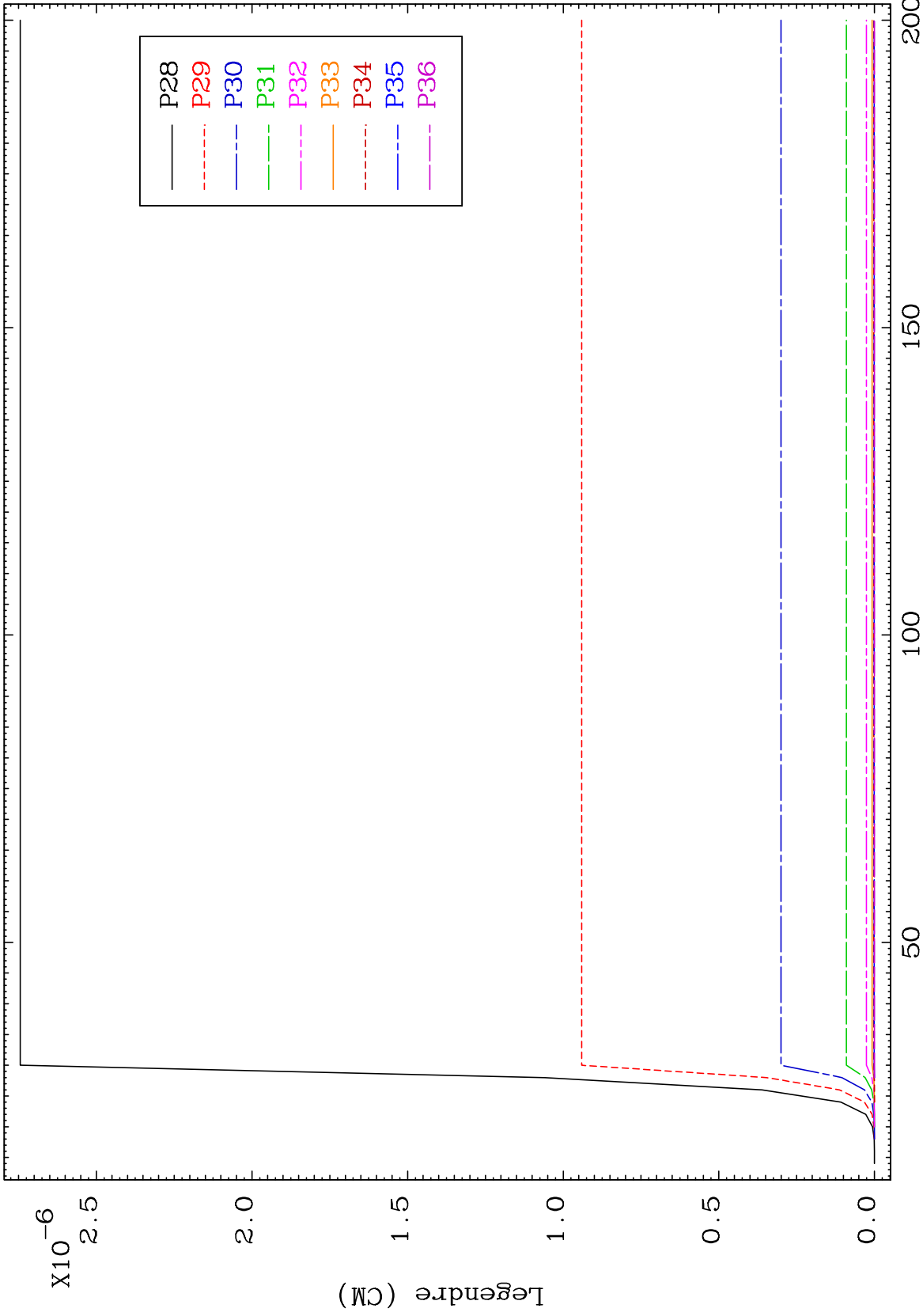
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



58

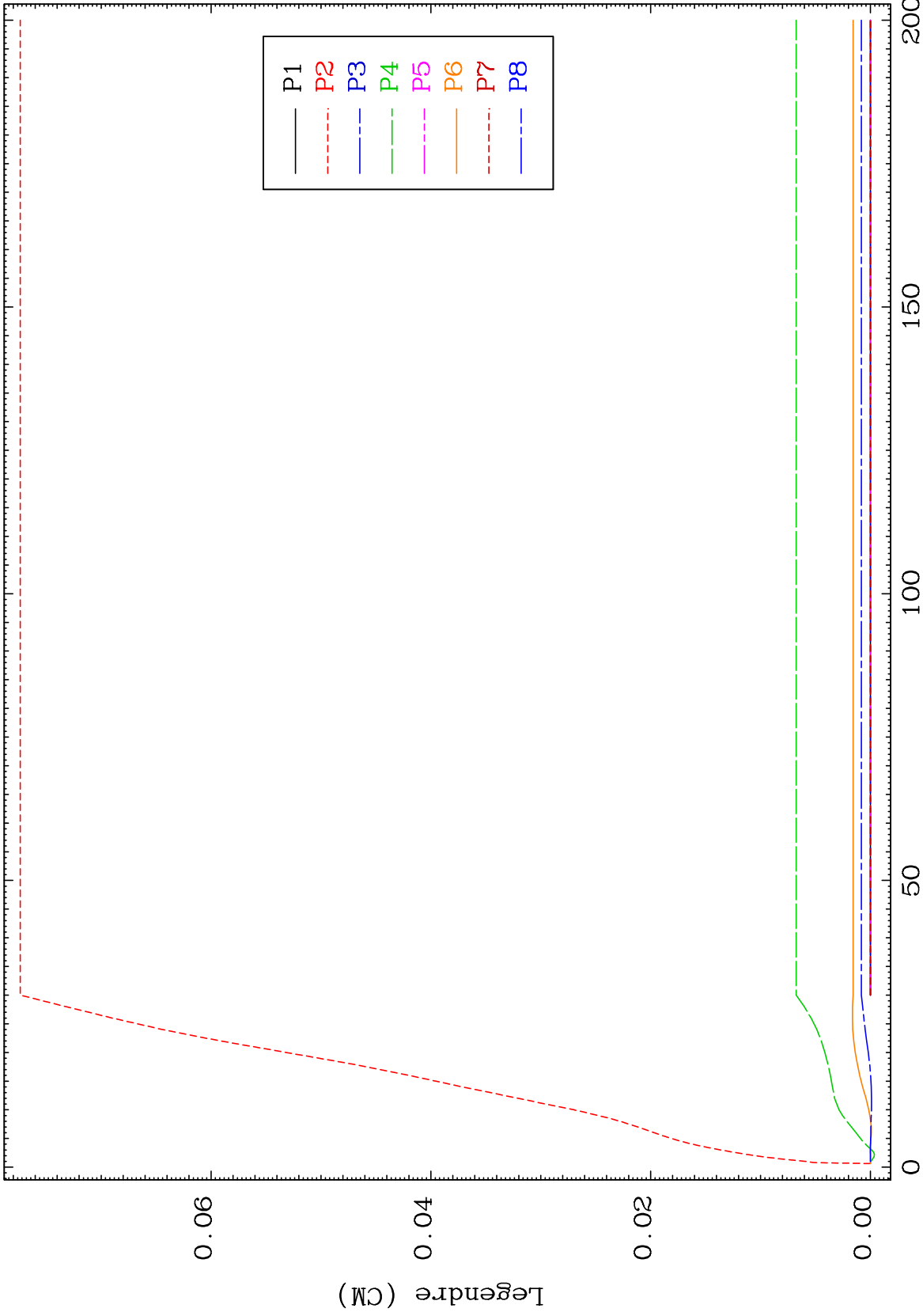
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



59

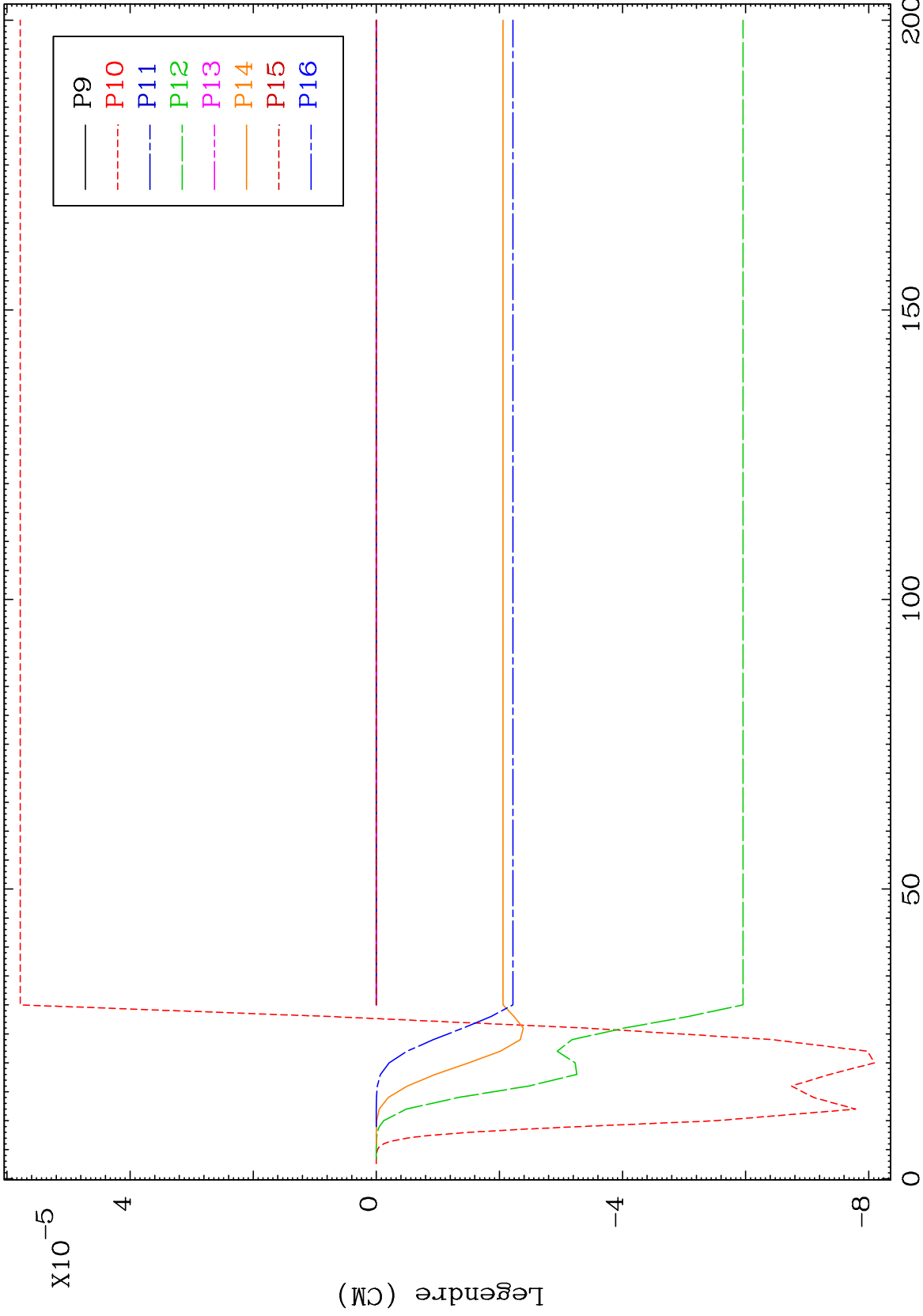
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



60

Incident Energy (MeV)

150

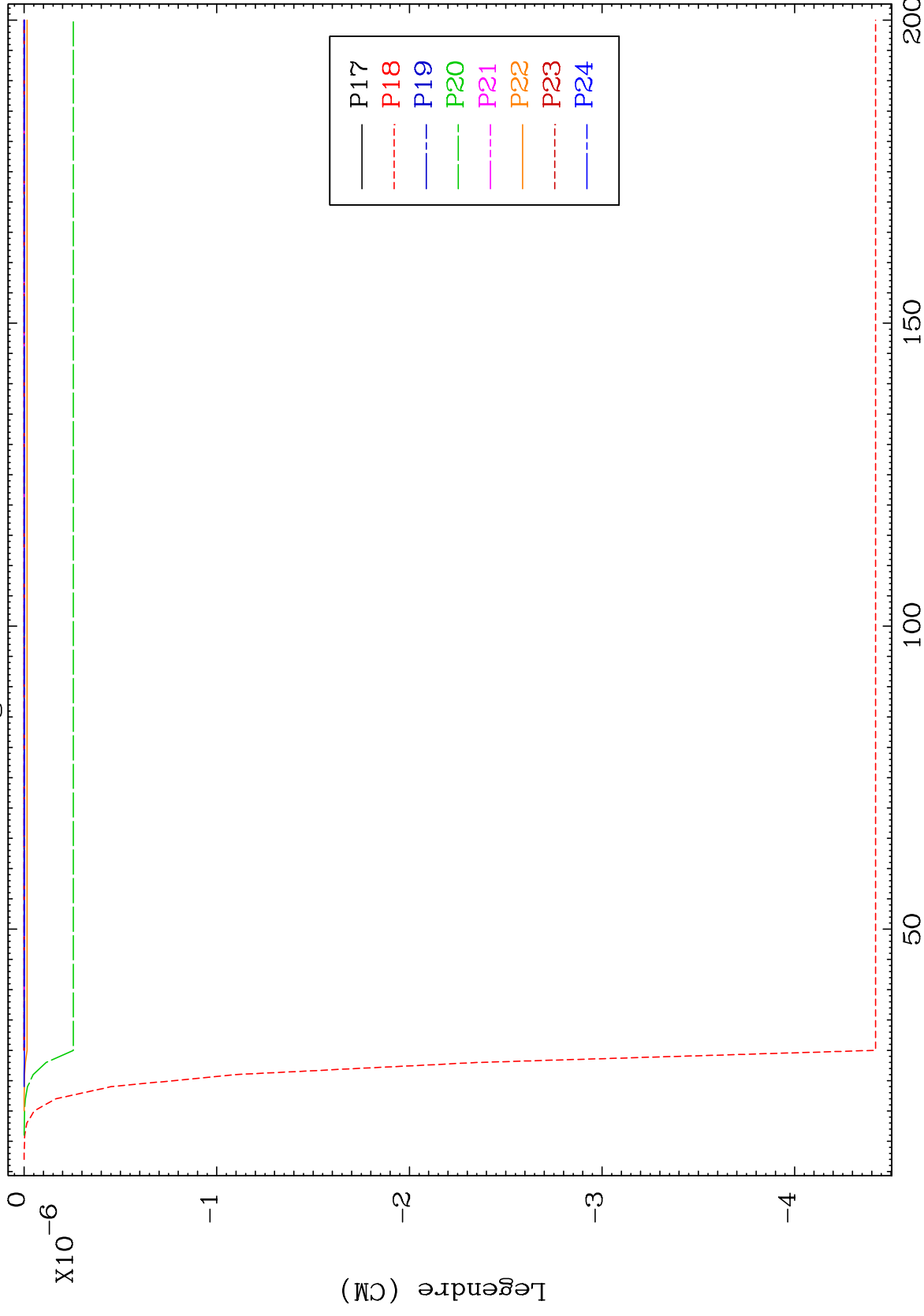
51-Sb-116

200

MAT 5110

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

51-Sb-116



51-Sb-116

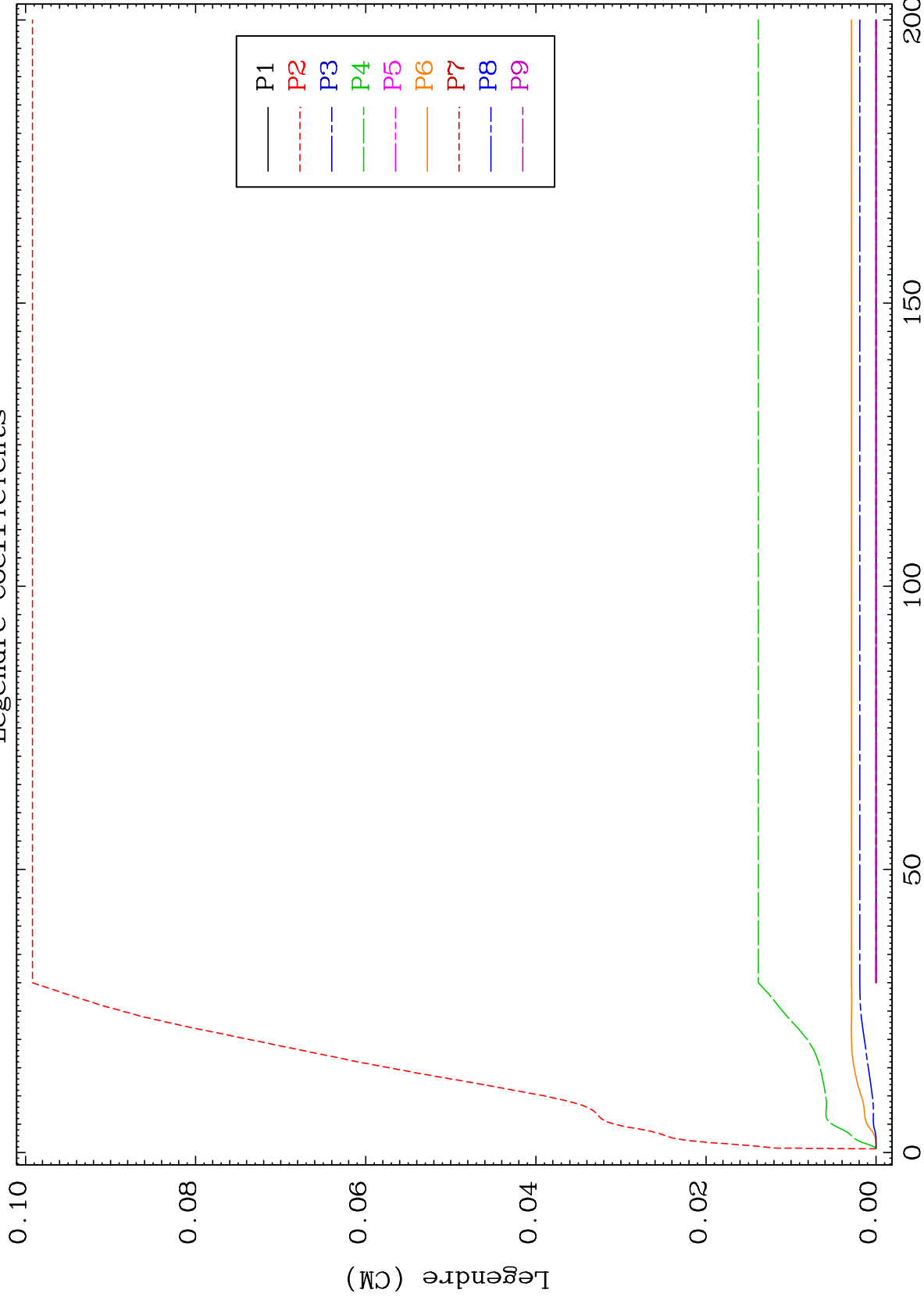
Incident Energy (MeV)

61

51-Sb-116

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

MAT 5110



51-Sb-116

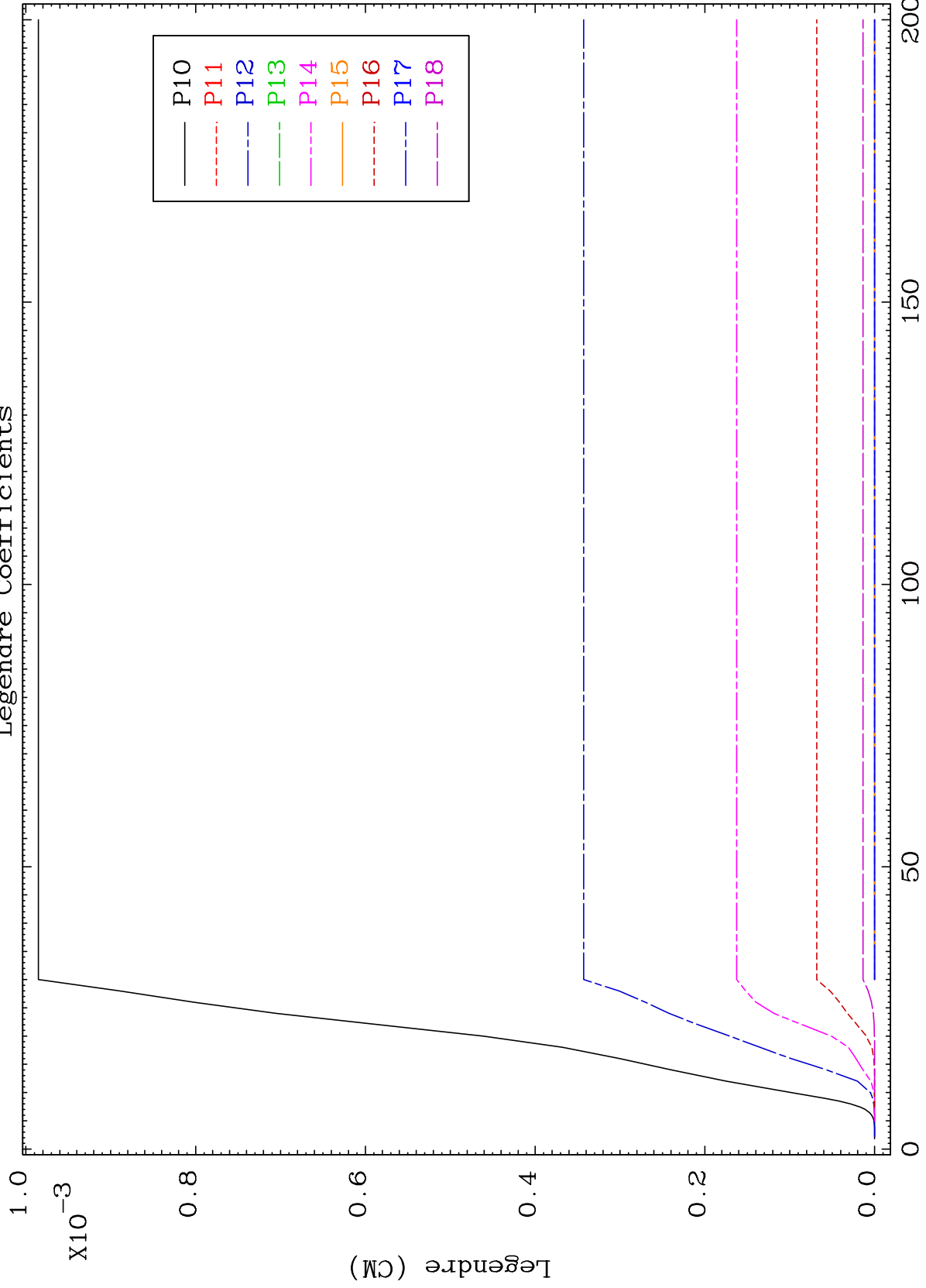
Incident Energy (MeV)

62

MAT 5110

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

51-Sb-116



63

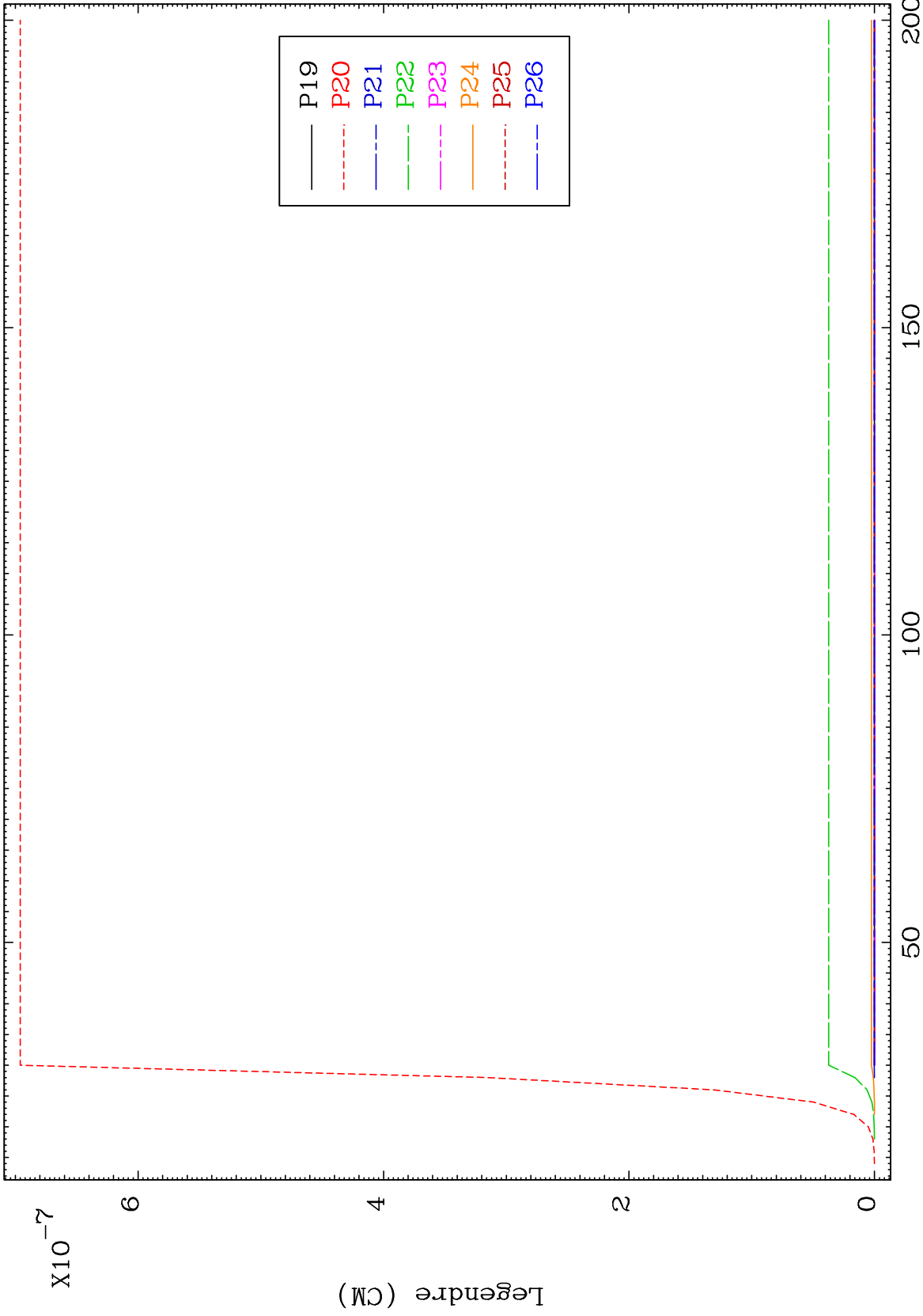
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



64

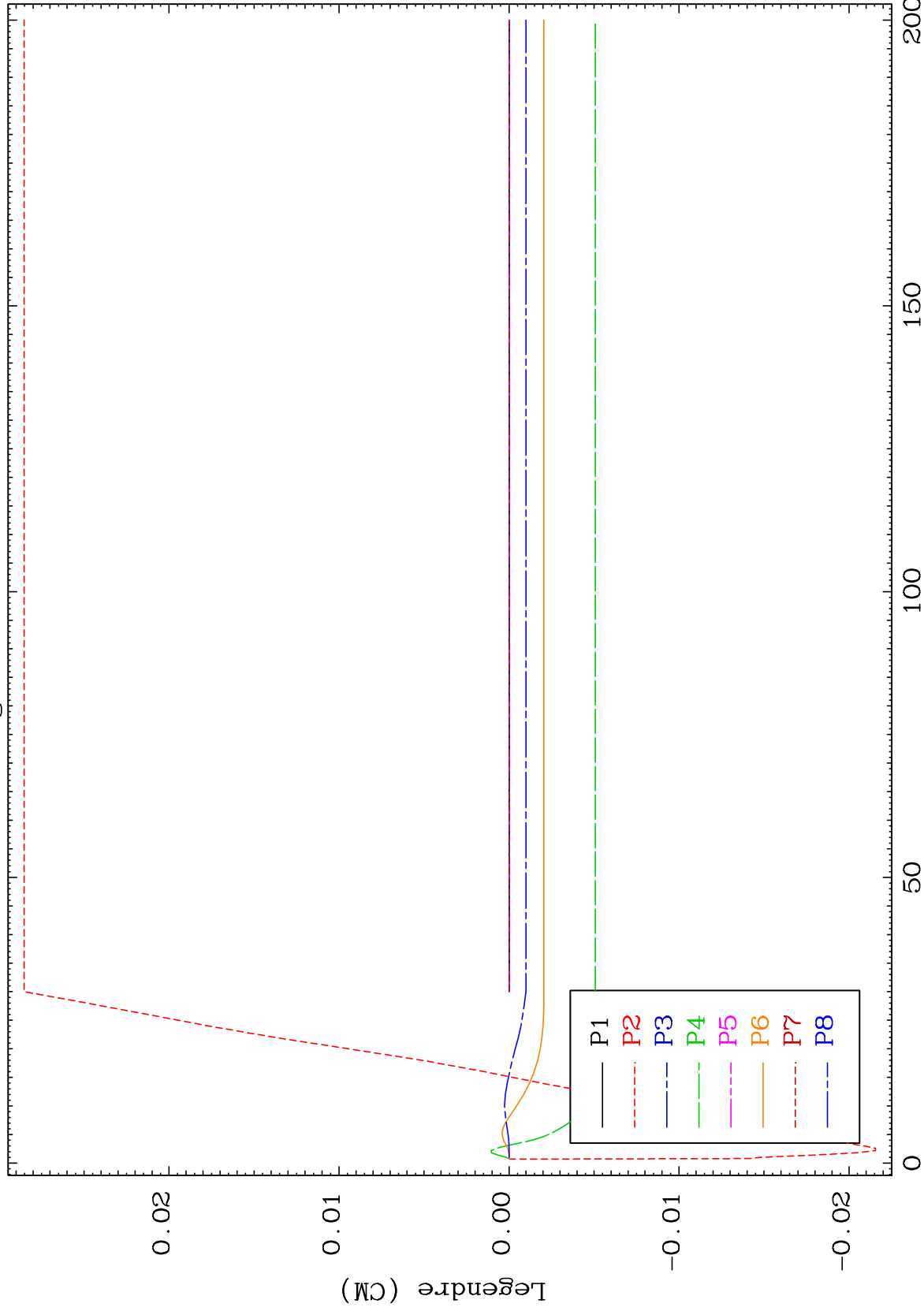
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



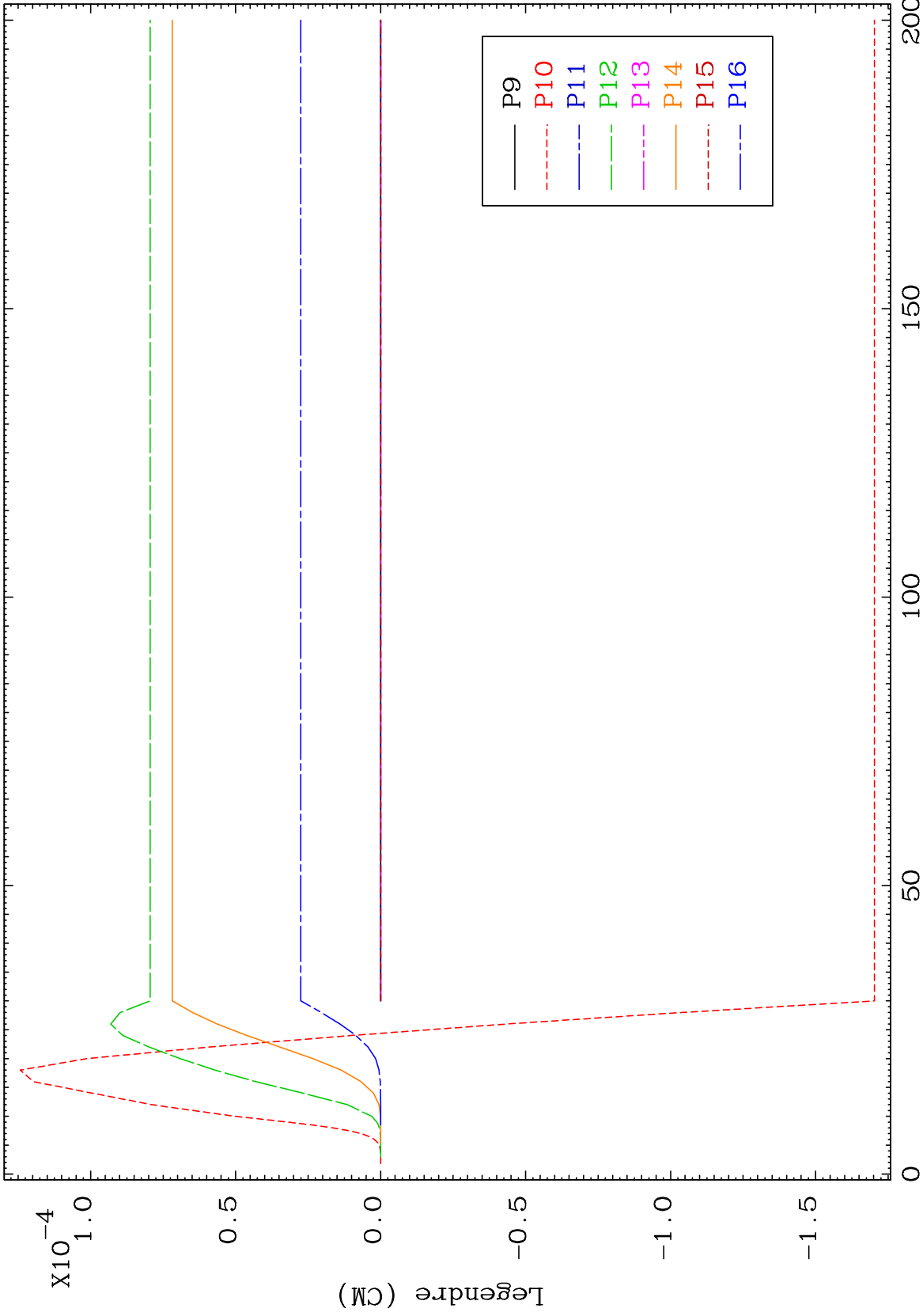
65

51-Sb-116

MAT 5110

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

51-Sb-116



66

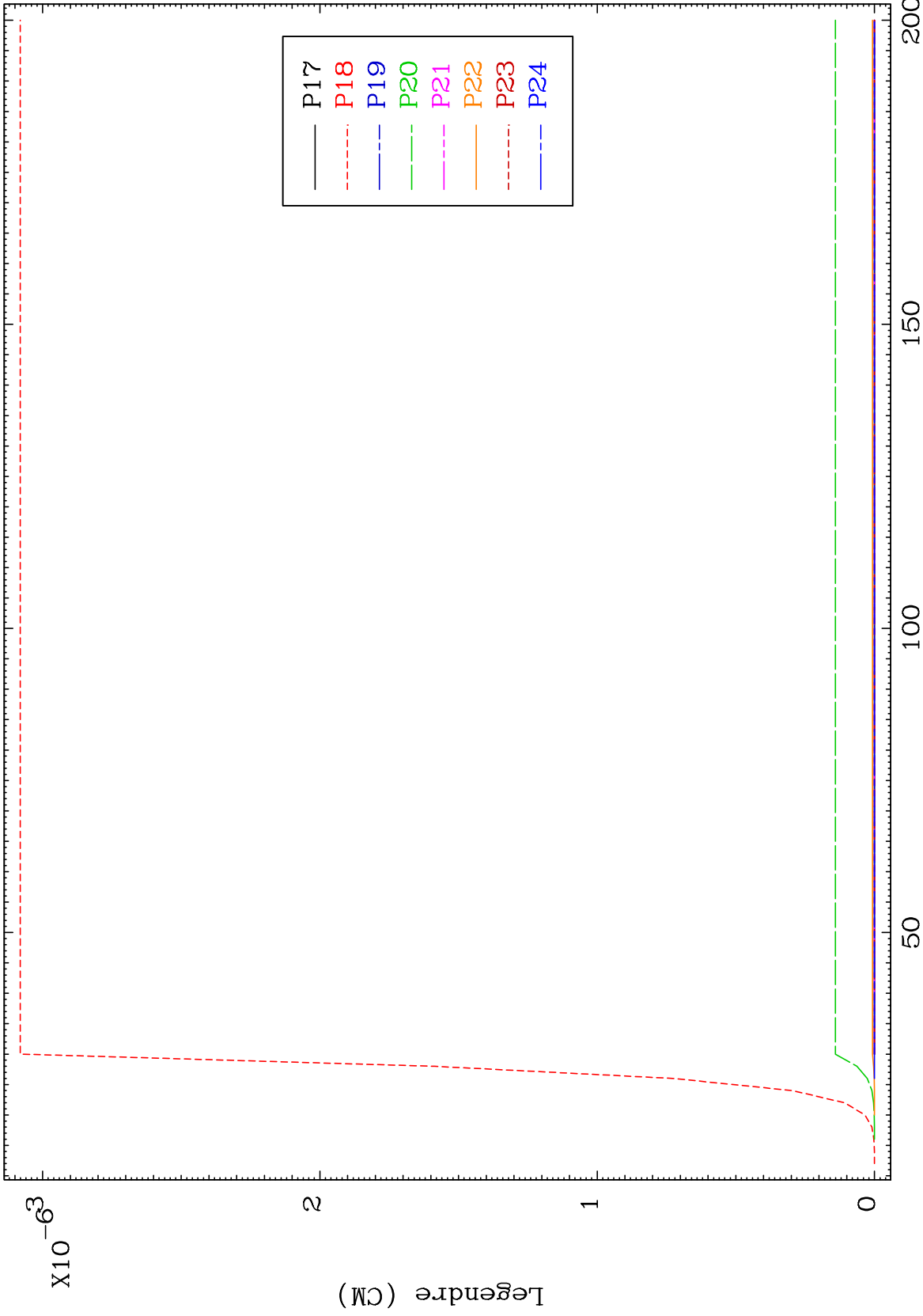
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



67

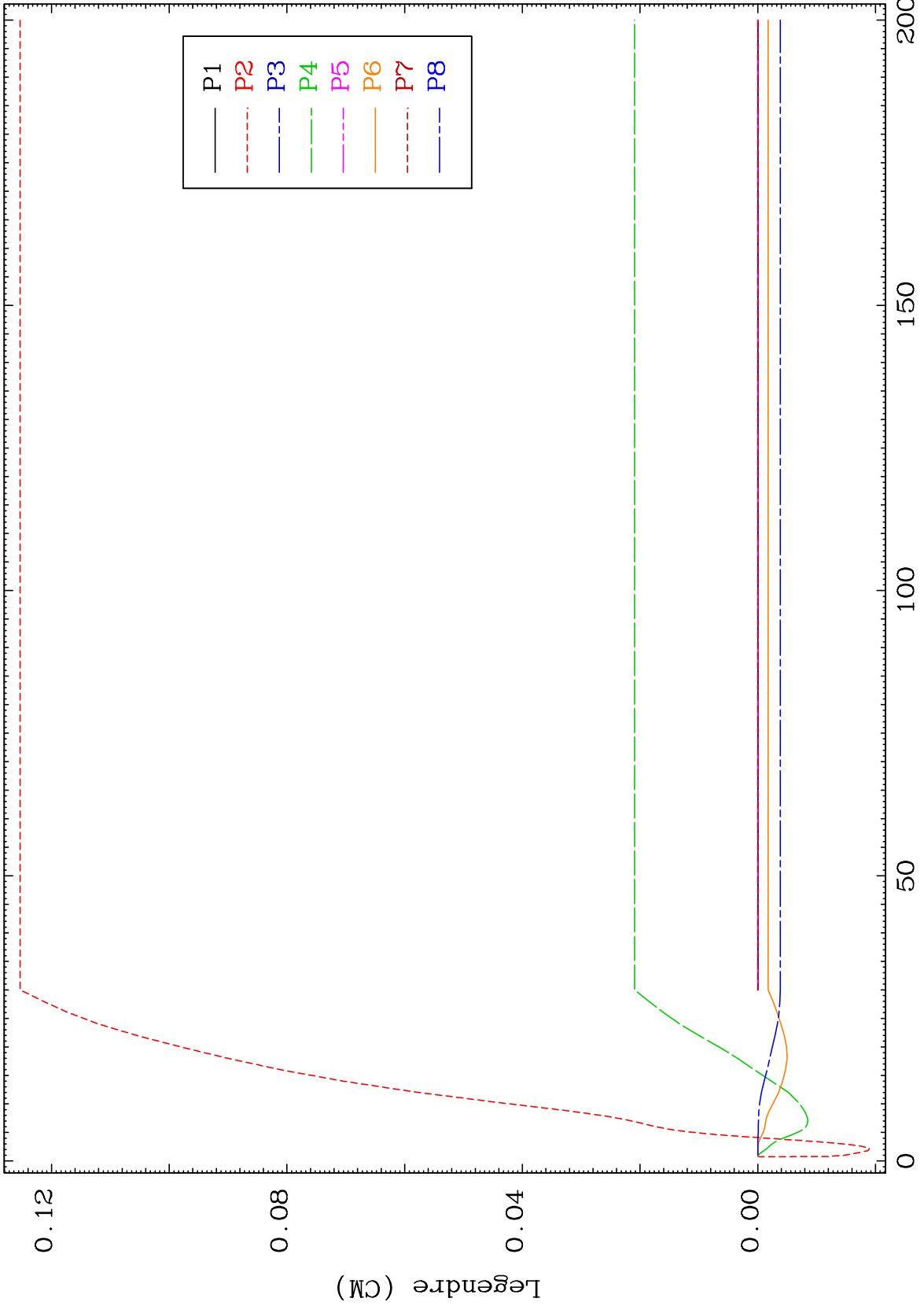
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



68

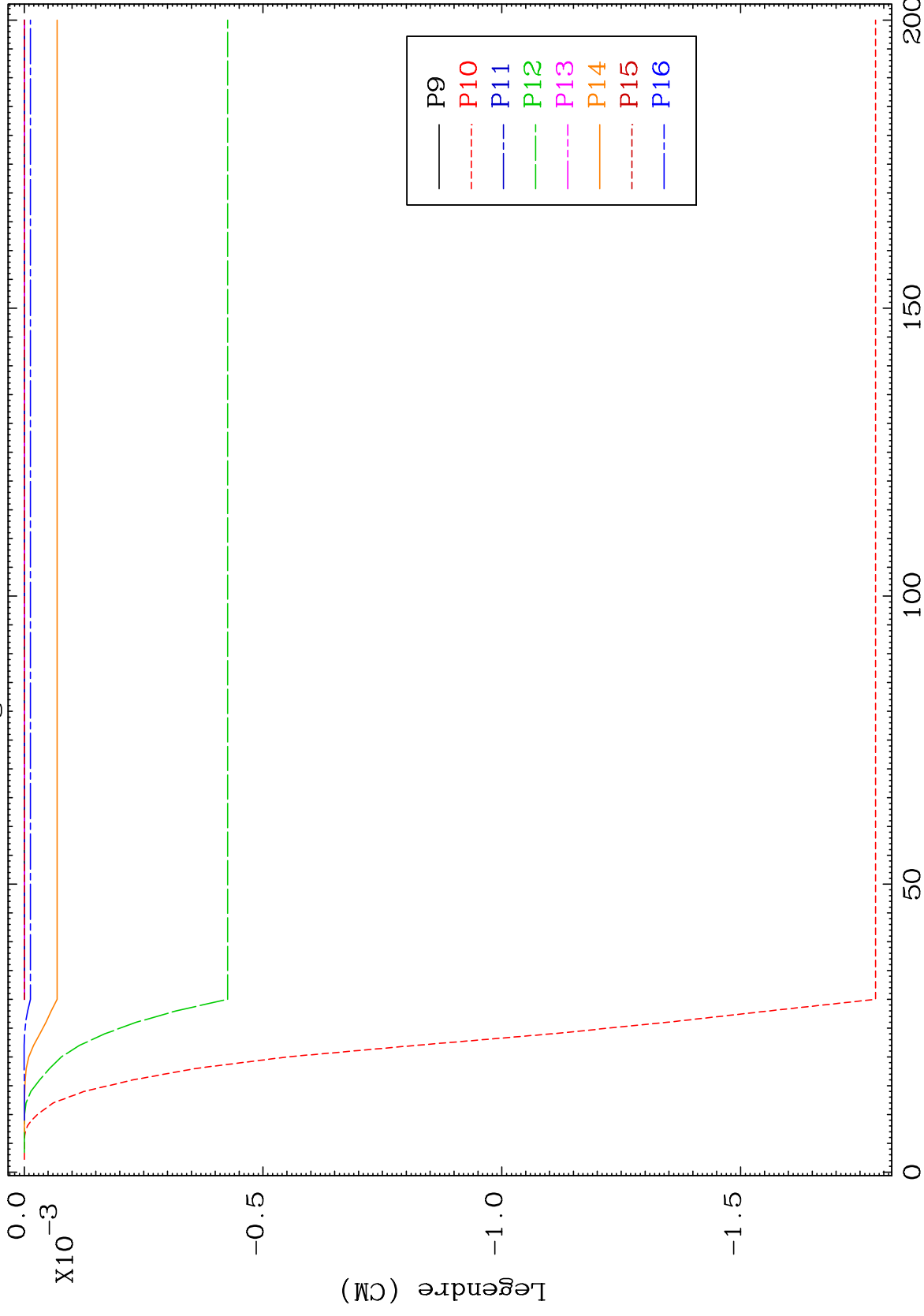
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

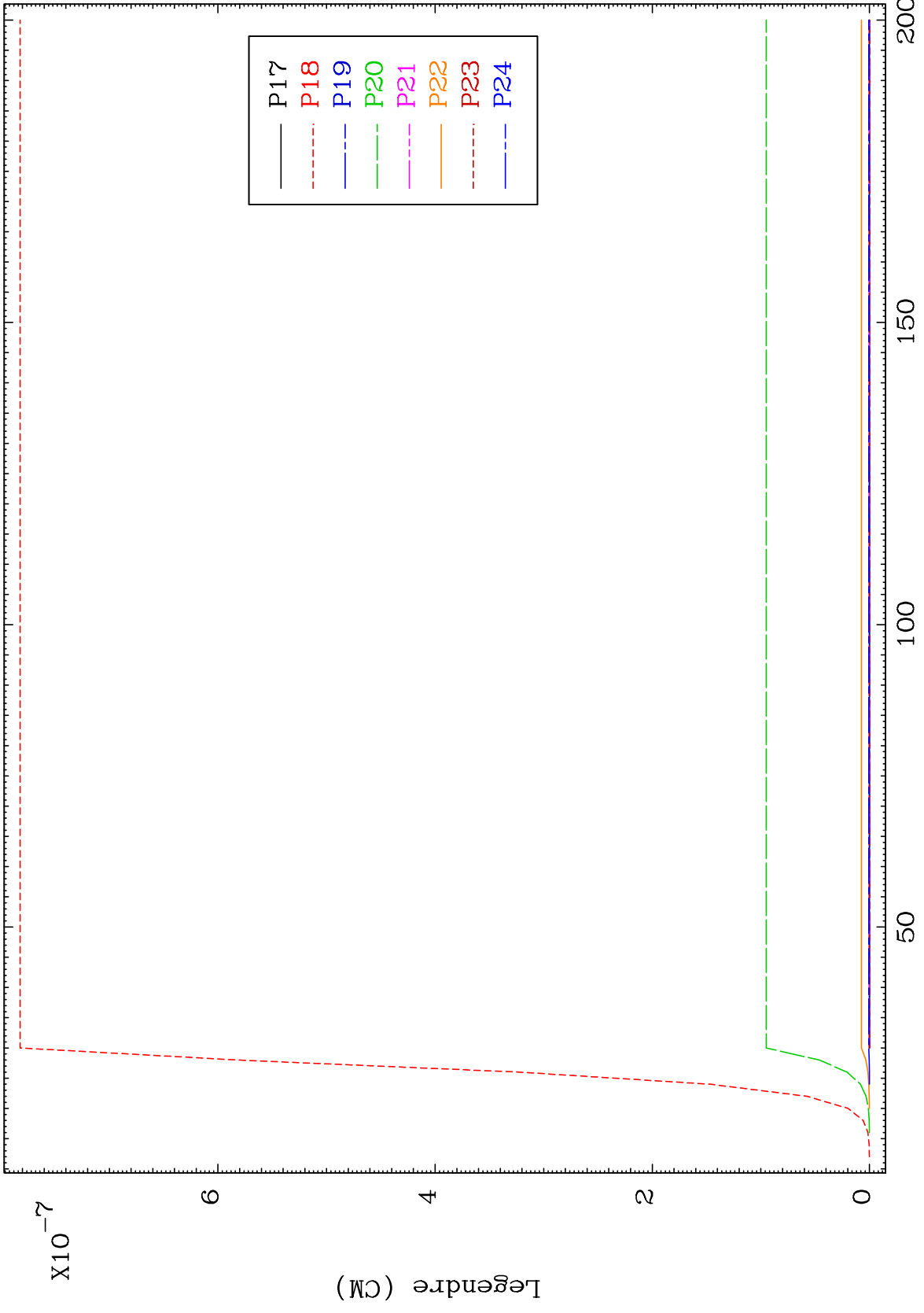
51-Sb-116



69

51-Sb-116

MAT 5110 MT= 65 (n,n') Level Legendre Coefficients 51-Sb-116

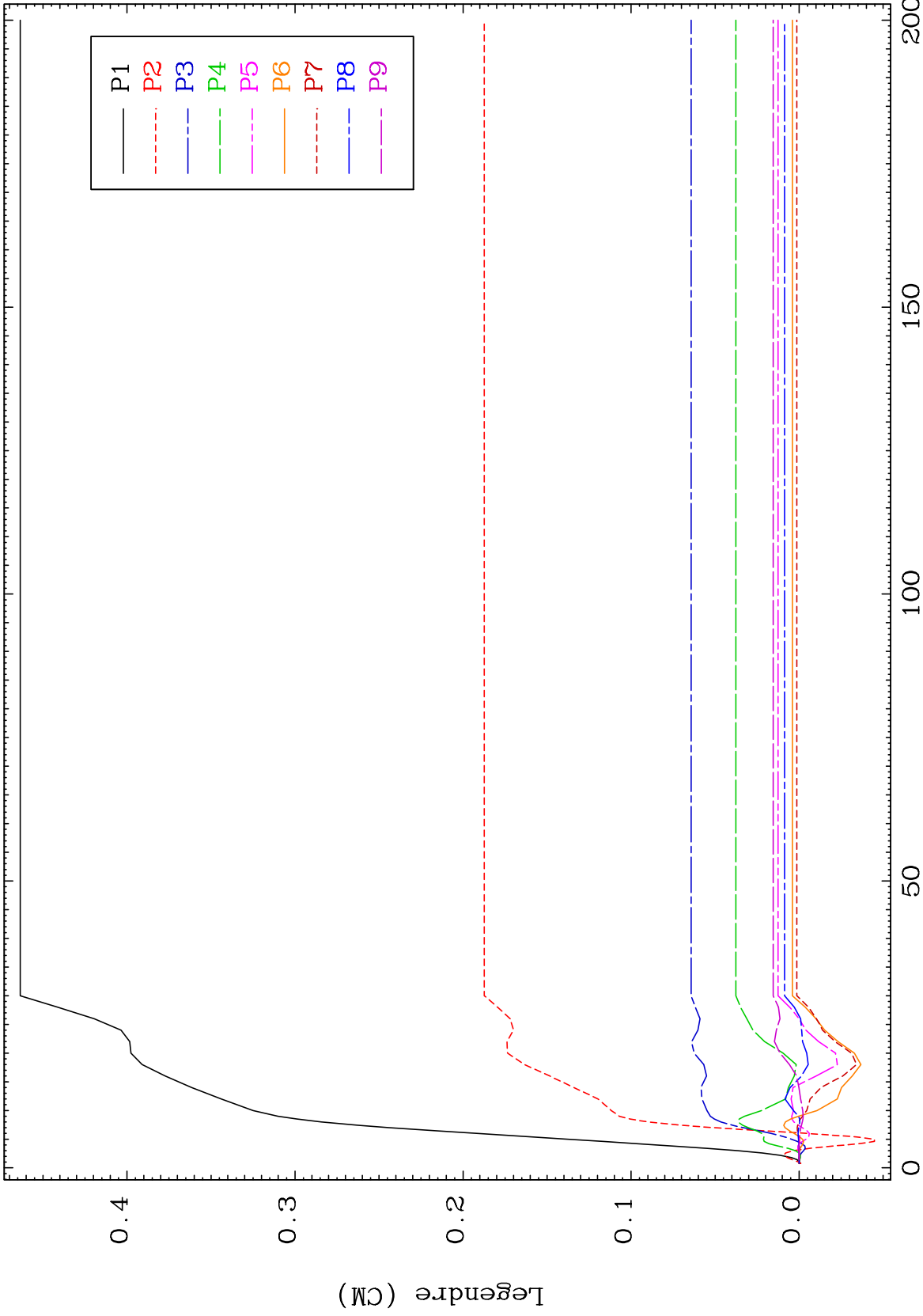


51-Sb-116

MAT 5110

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

51-Sb-116



71

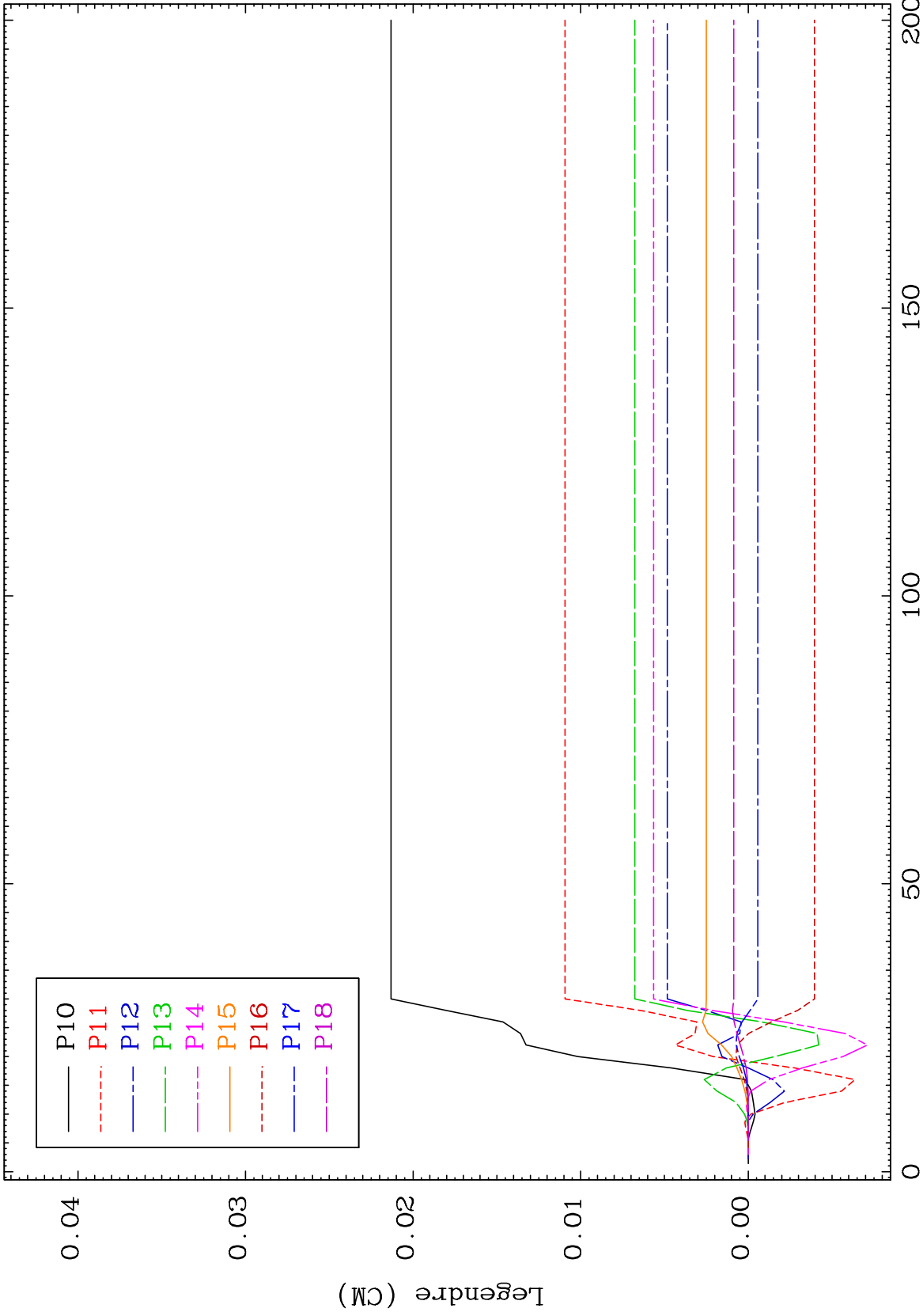
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



72

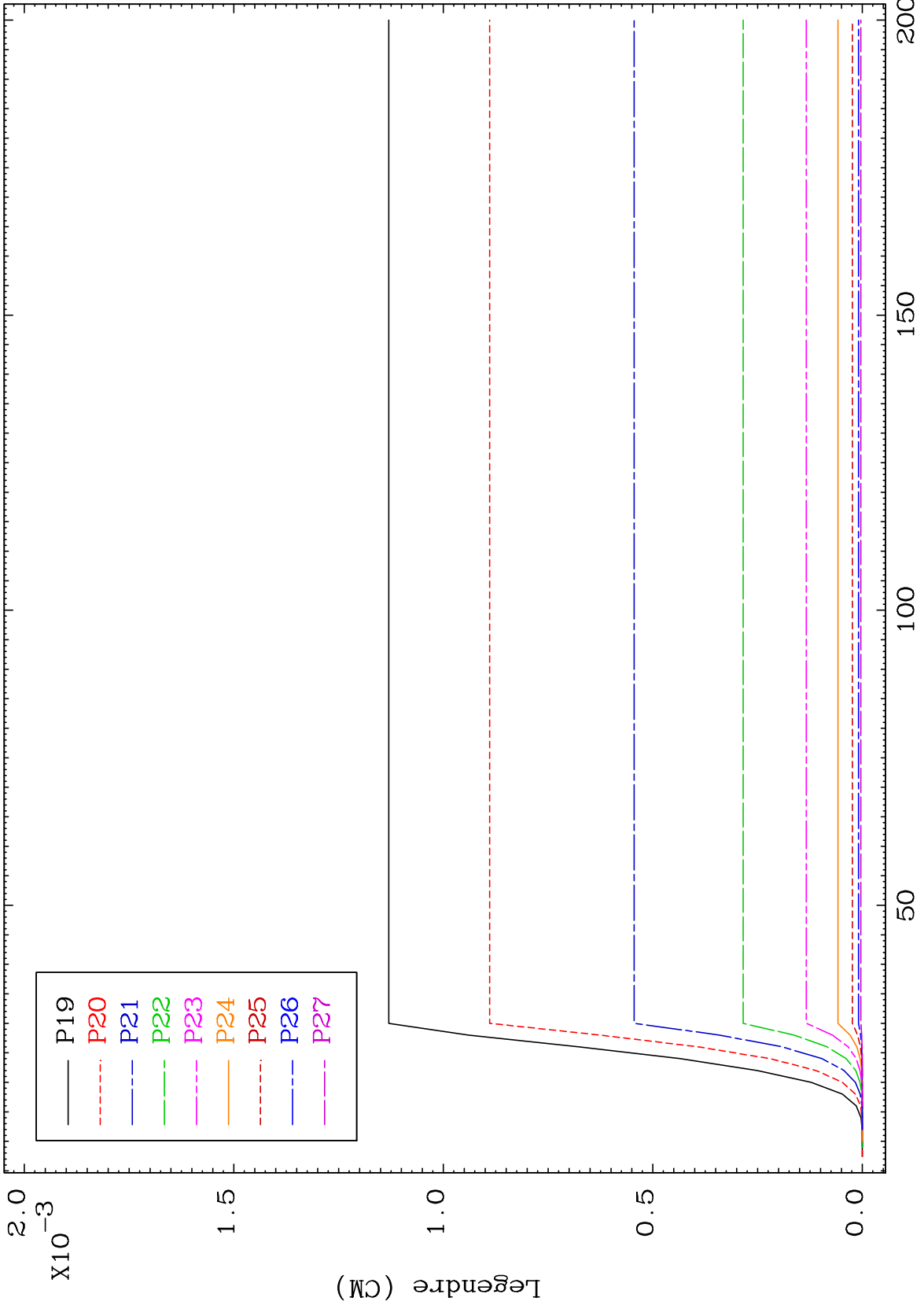
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



73

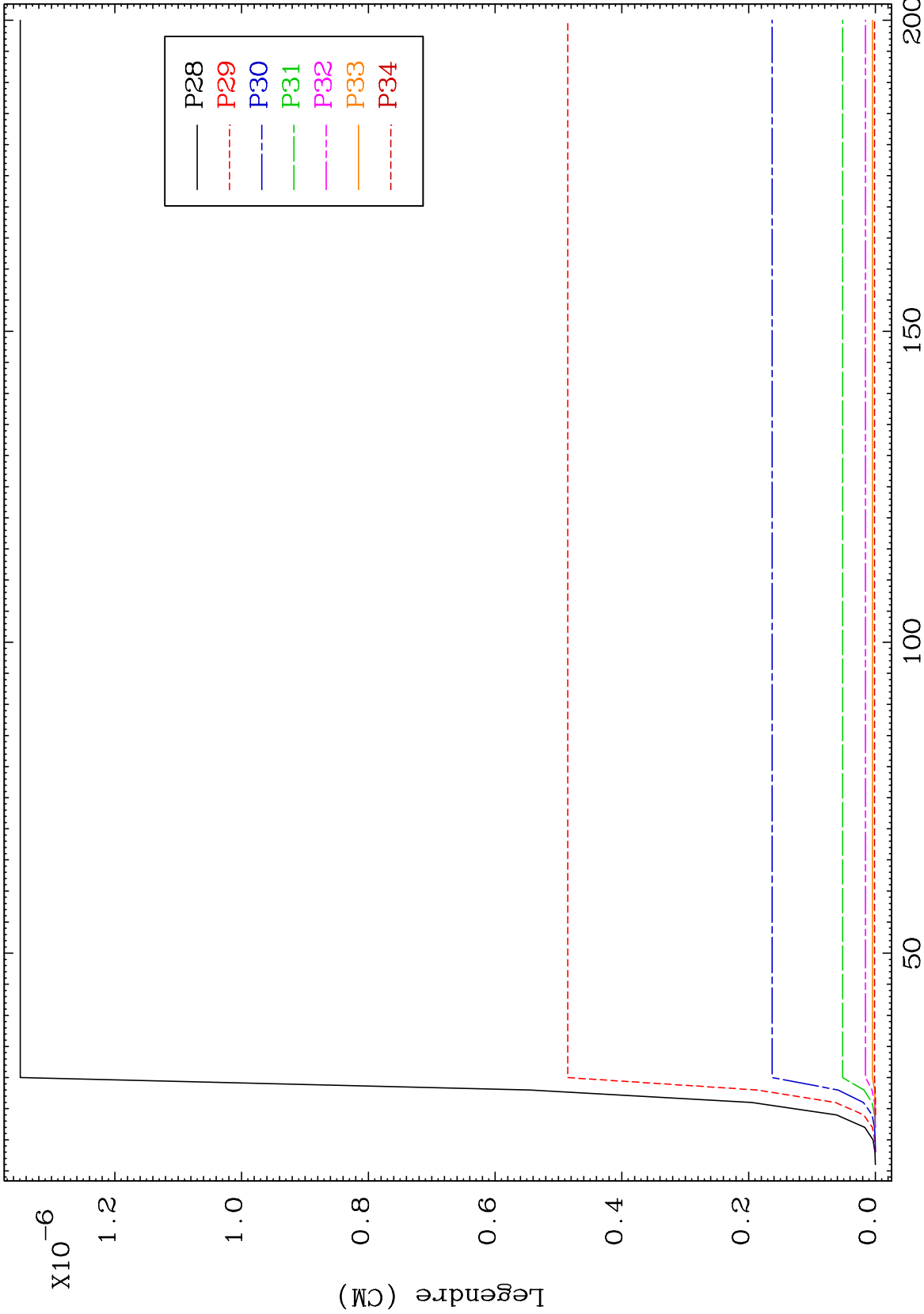
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



74

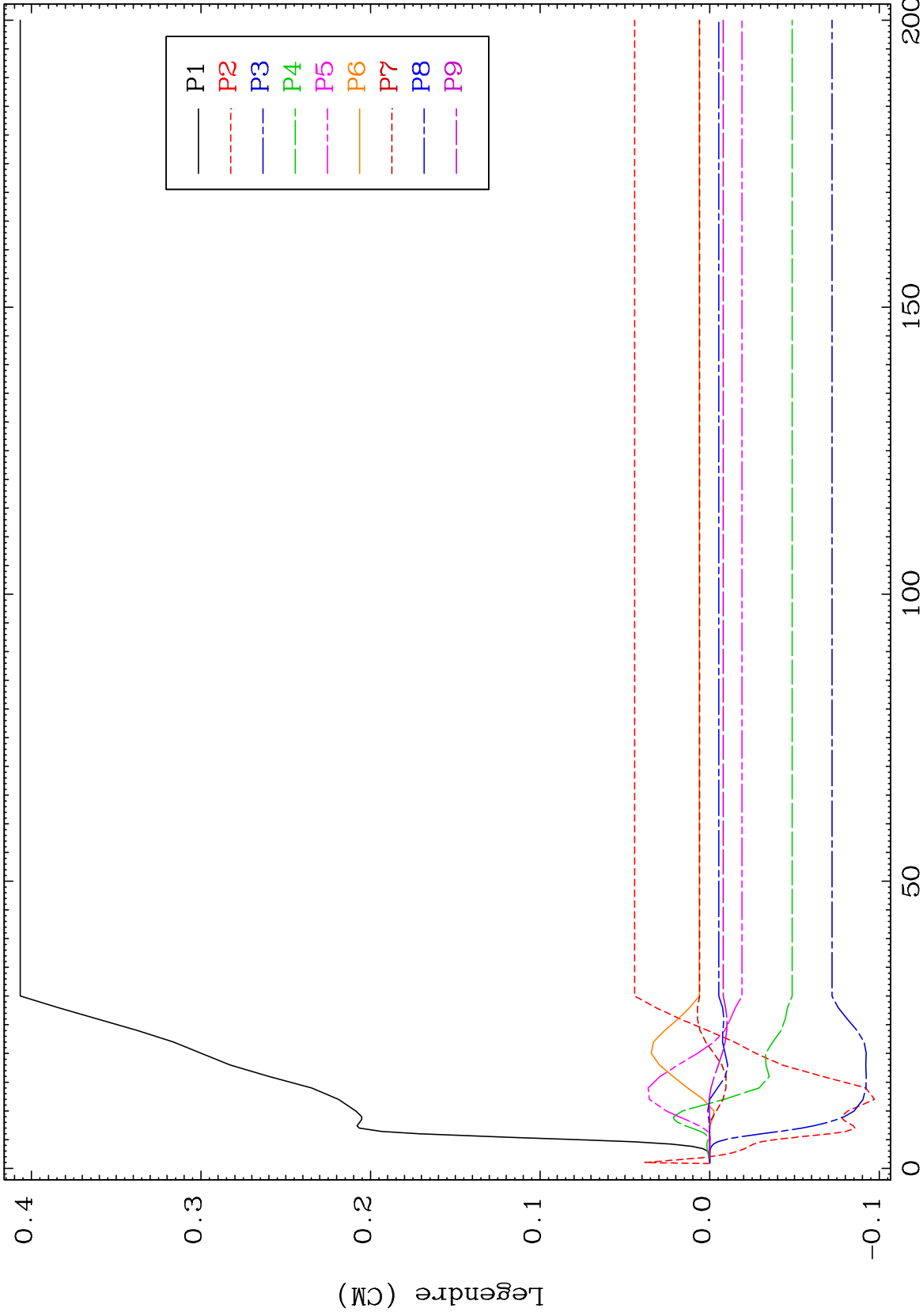
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



75

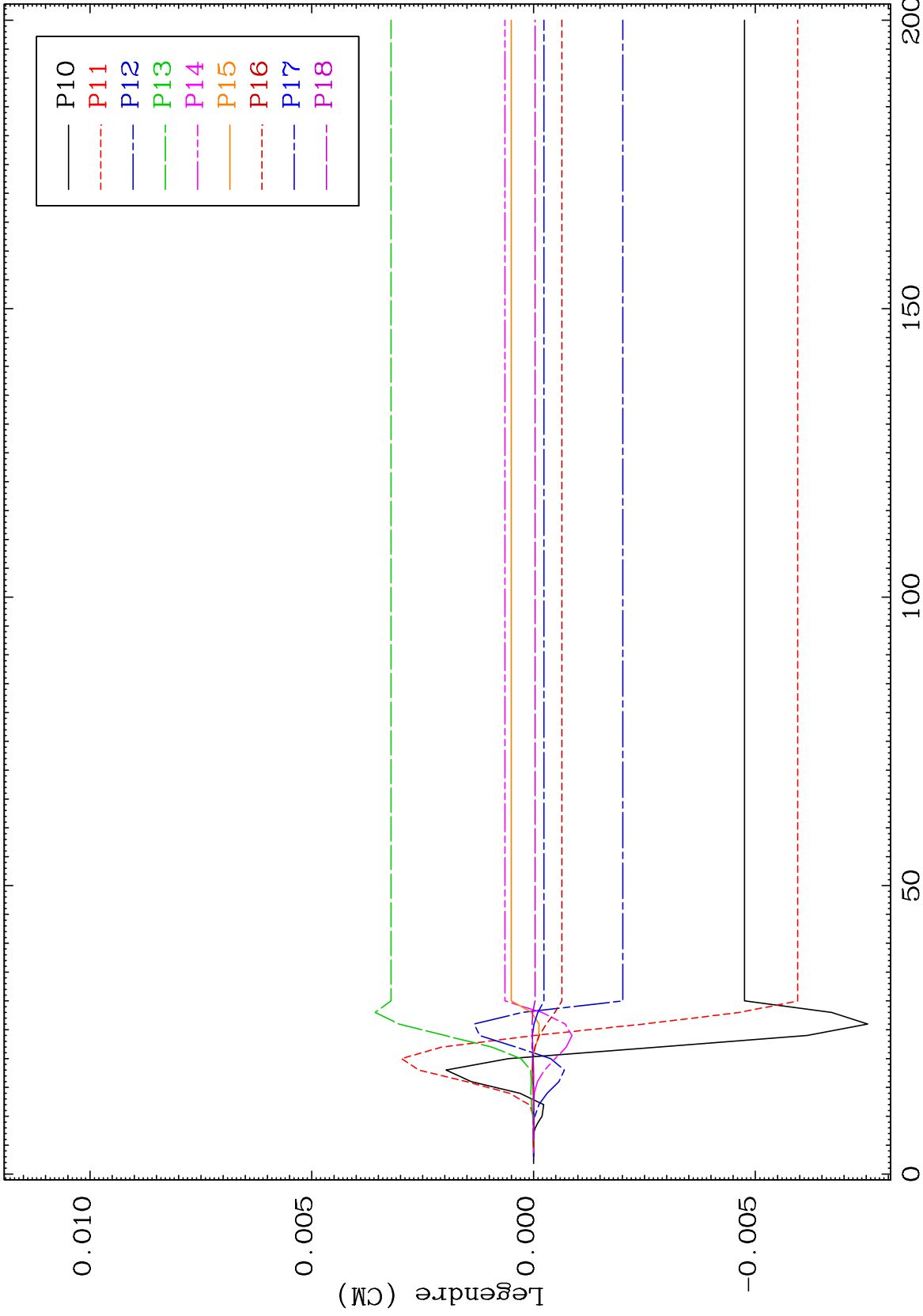
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



76

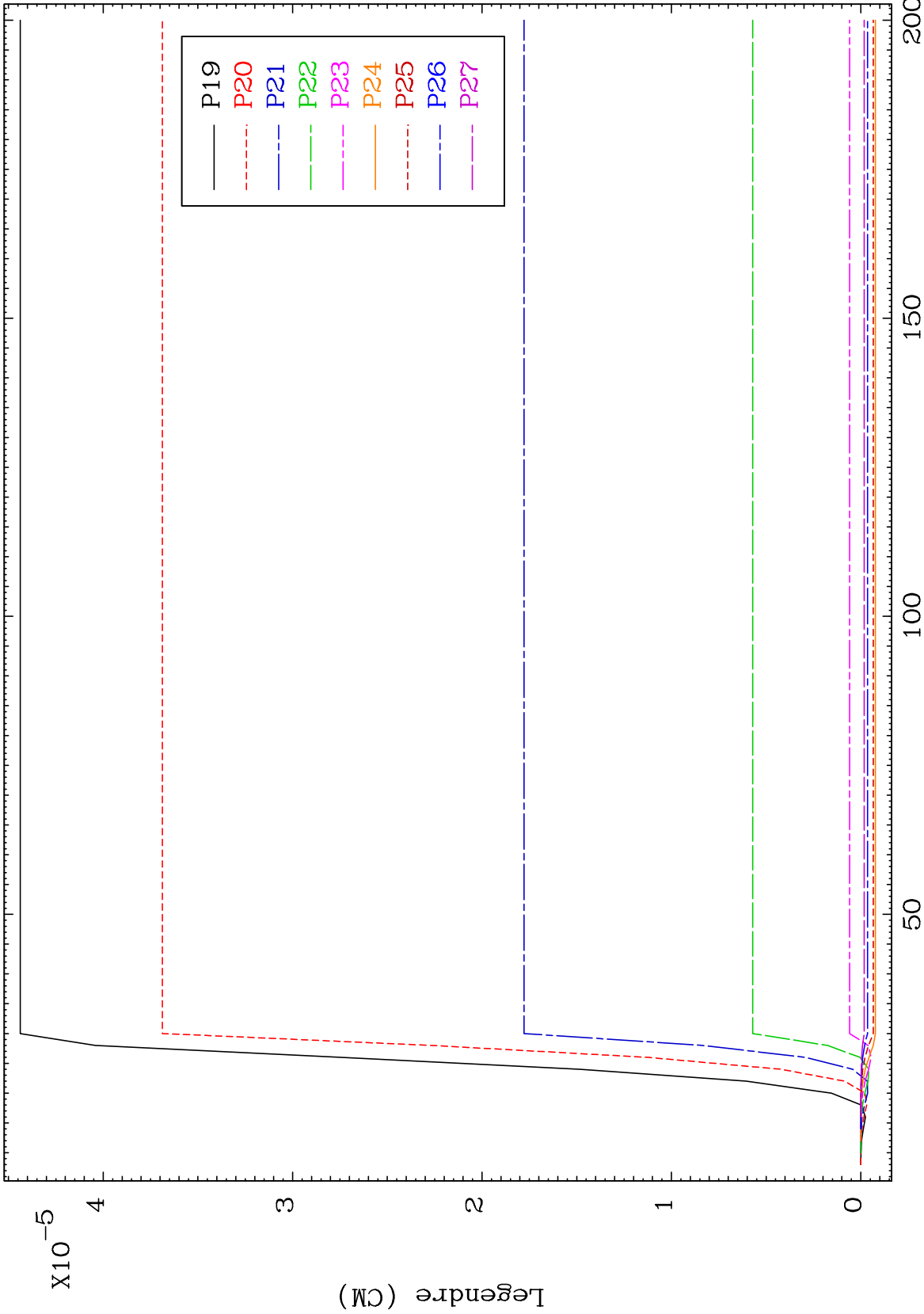
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



77

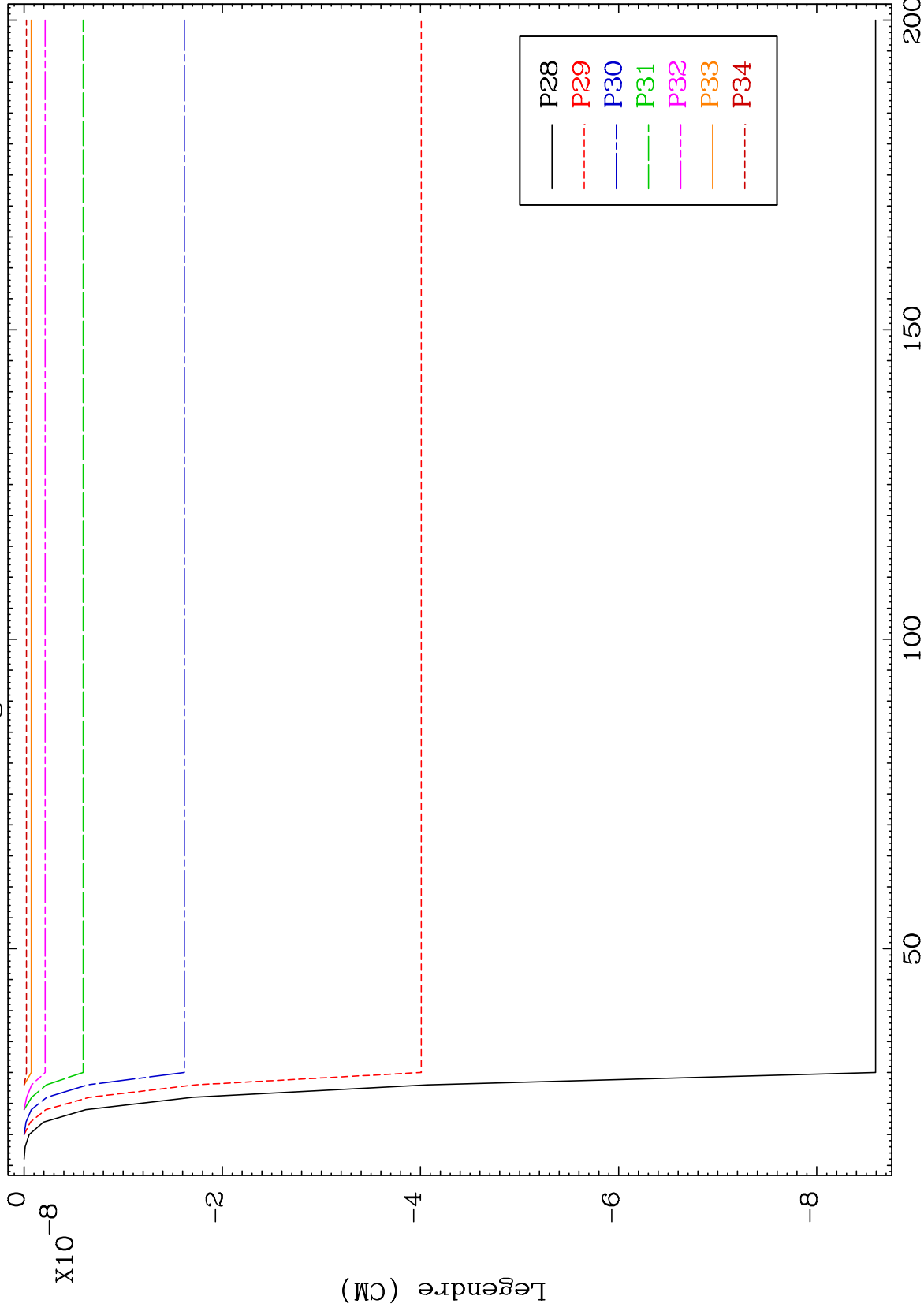
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116

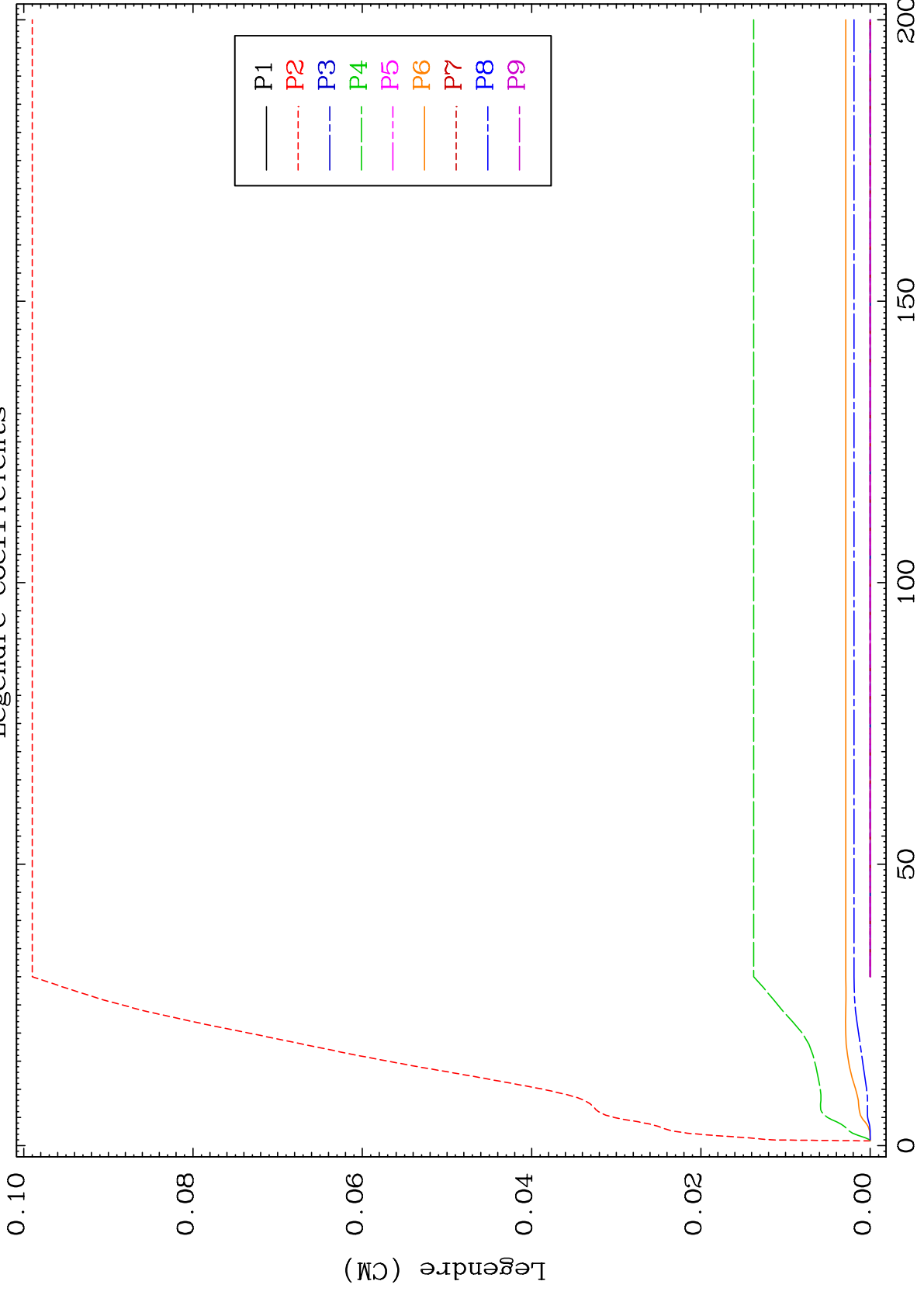


51-Sb-116

Incident Energy (MeV)

78

MAT 5110 MT= 68 (n,n') Level Legendre Coefficients 51-Sb-116

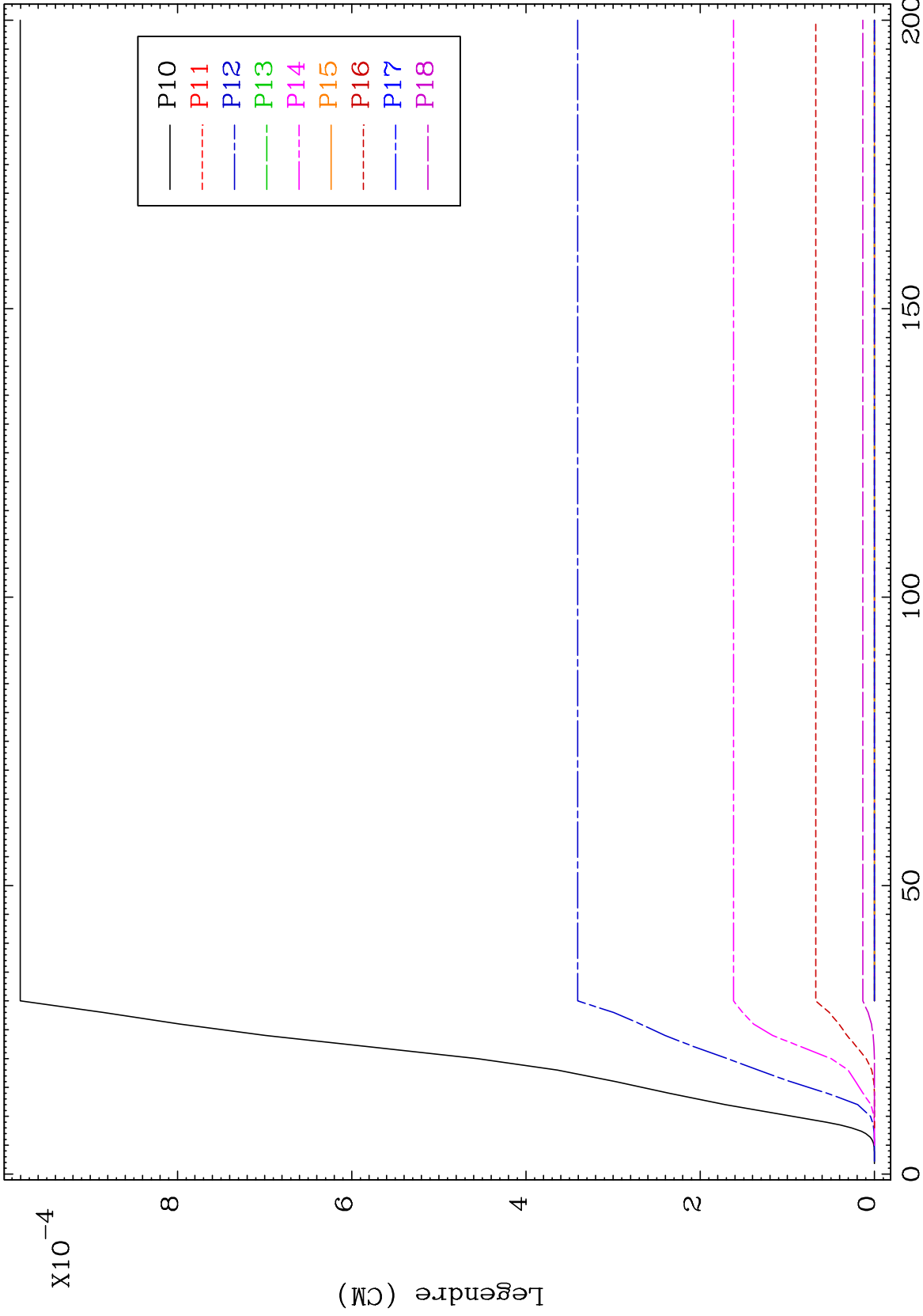


79 51-Sb-116

MAT 5110

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

51-Sb-116



80

Incident Energy (MeV)

150

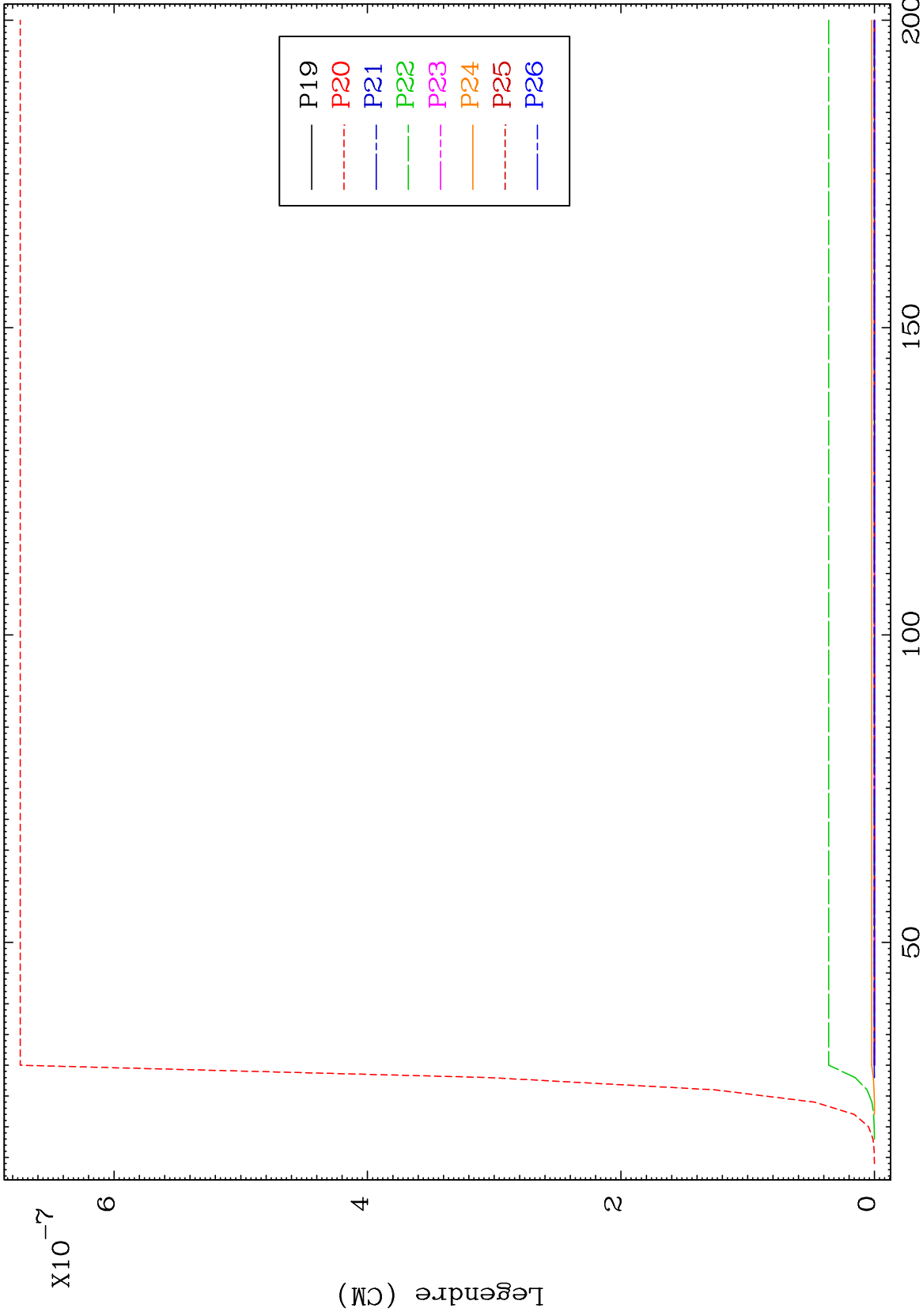
51-Sb-116

200

MAT 5110

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

51-Sb-116



81

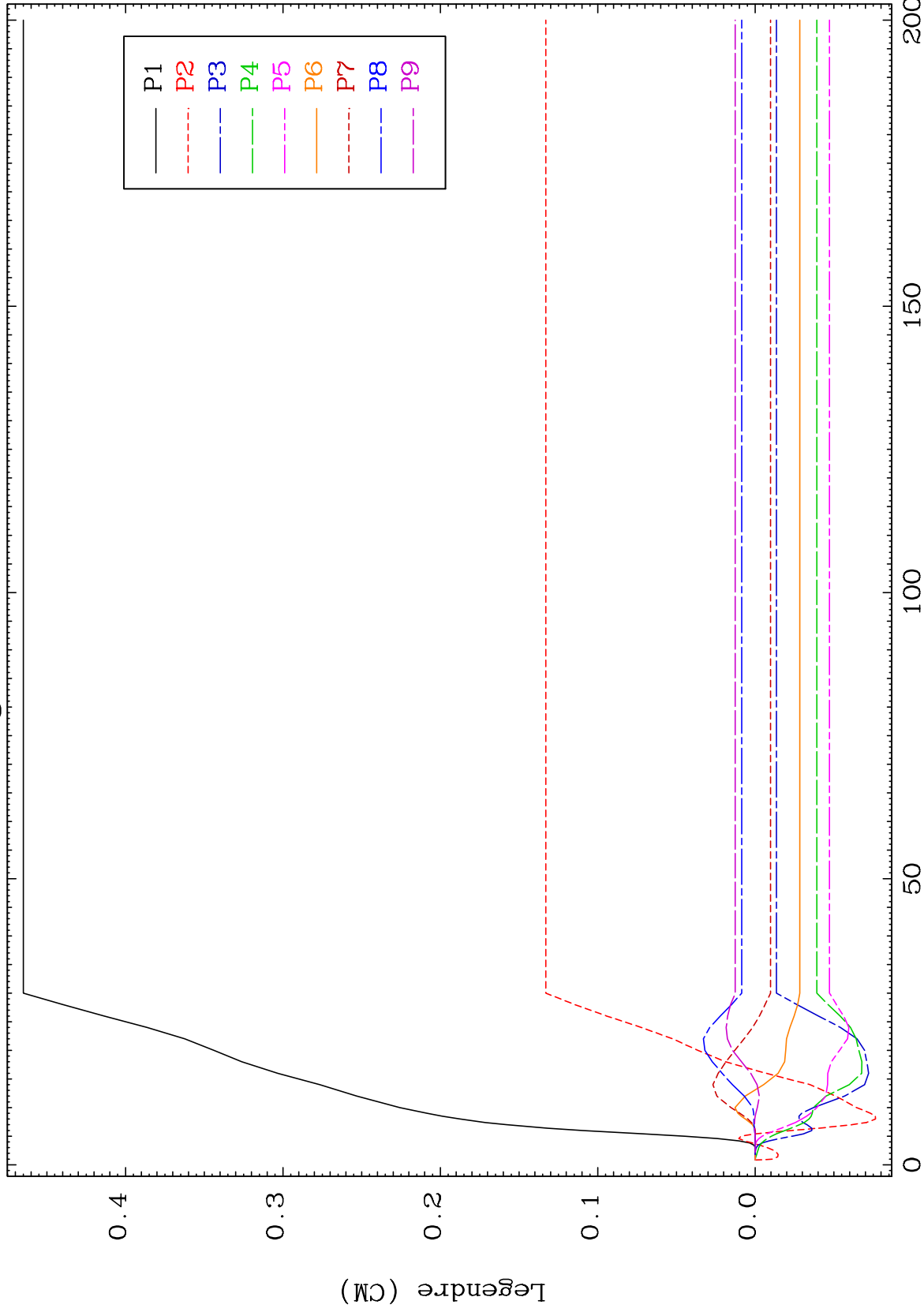
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

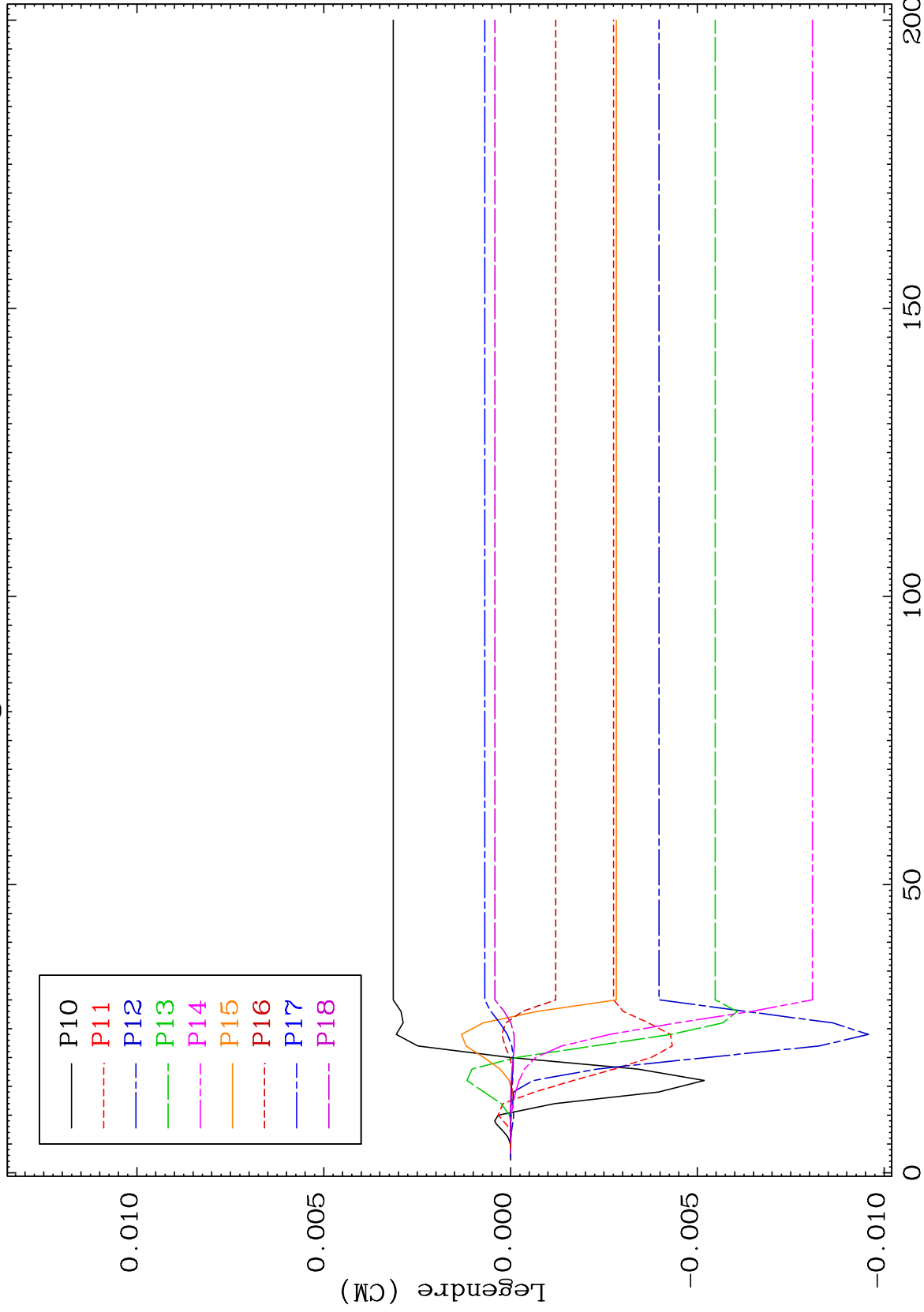
51-Sb-116

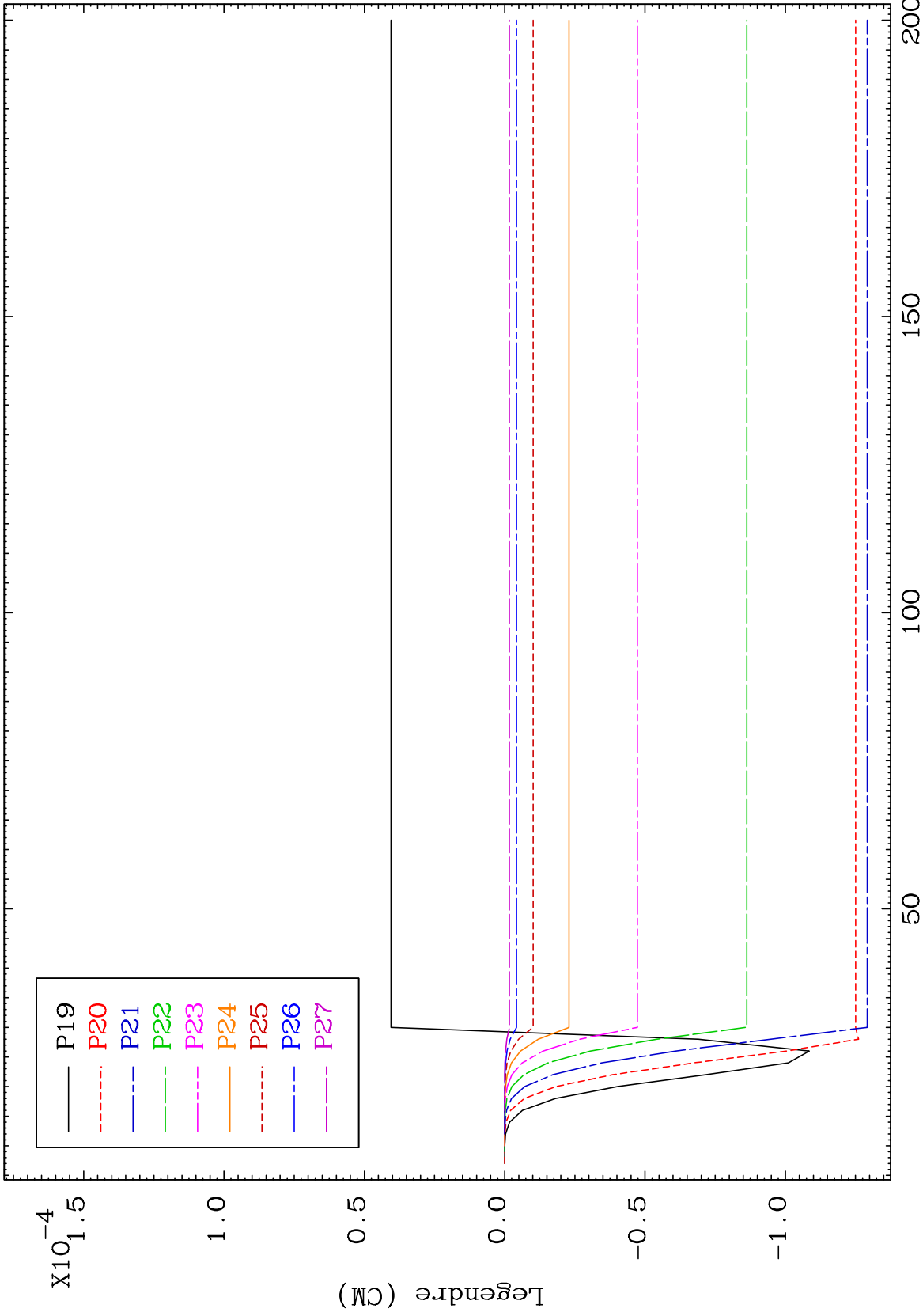


82

Incident Energy (MeV)

51-Sb-116

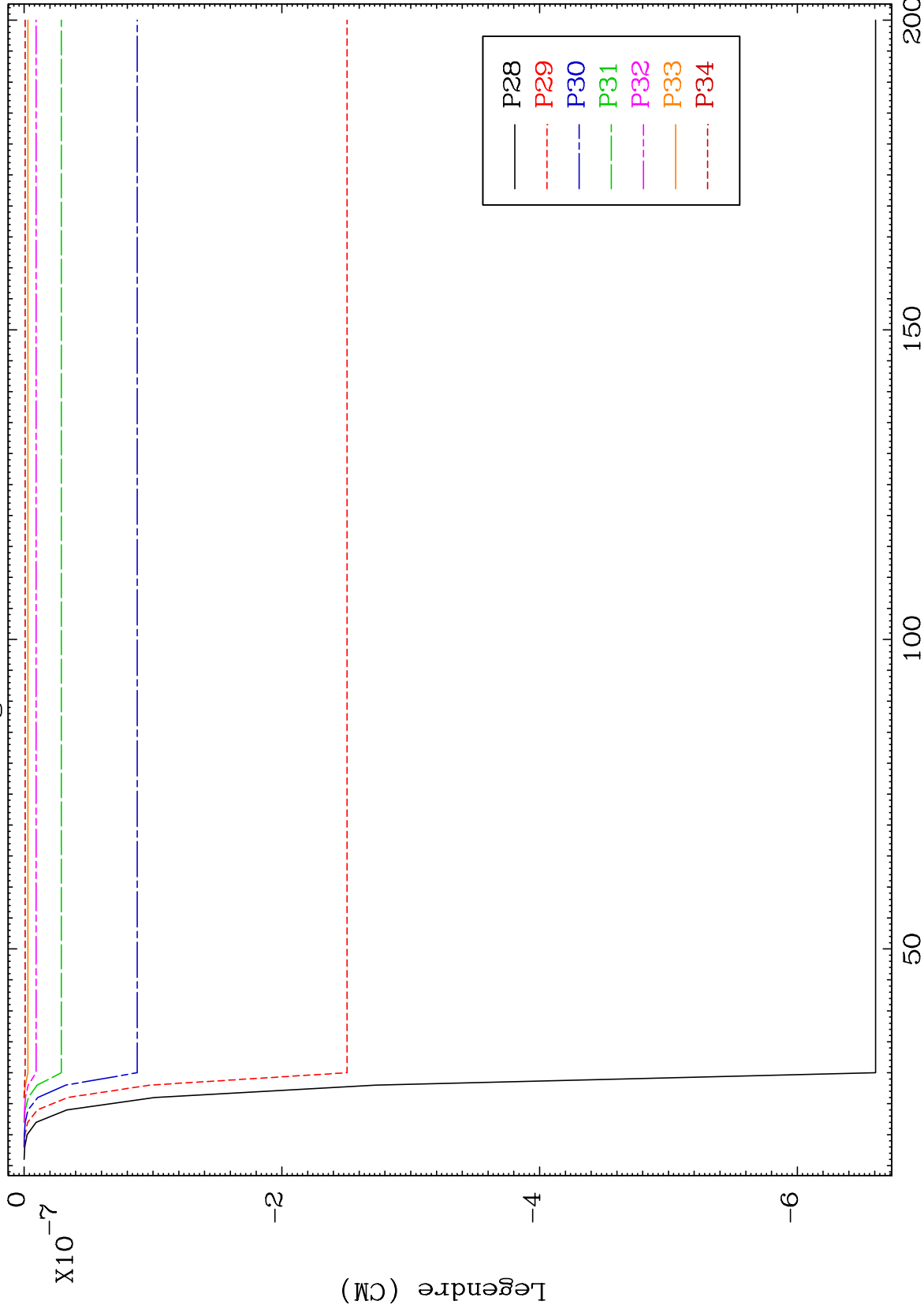




MAT 5110

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

51-Sb-116



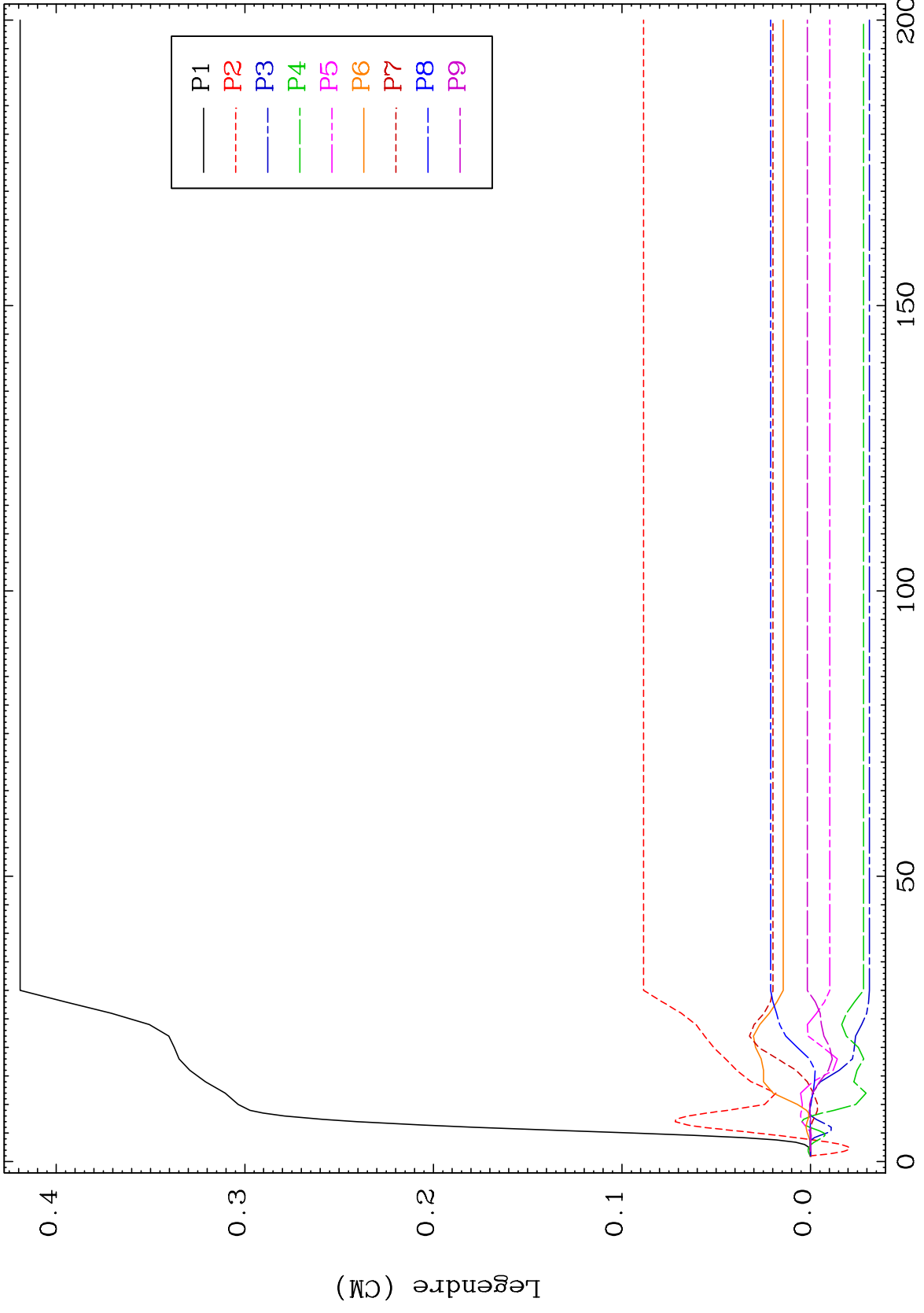
85

51-Sb-116

MAT 5110

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

51-Sb-116



86

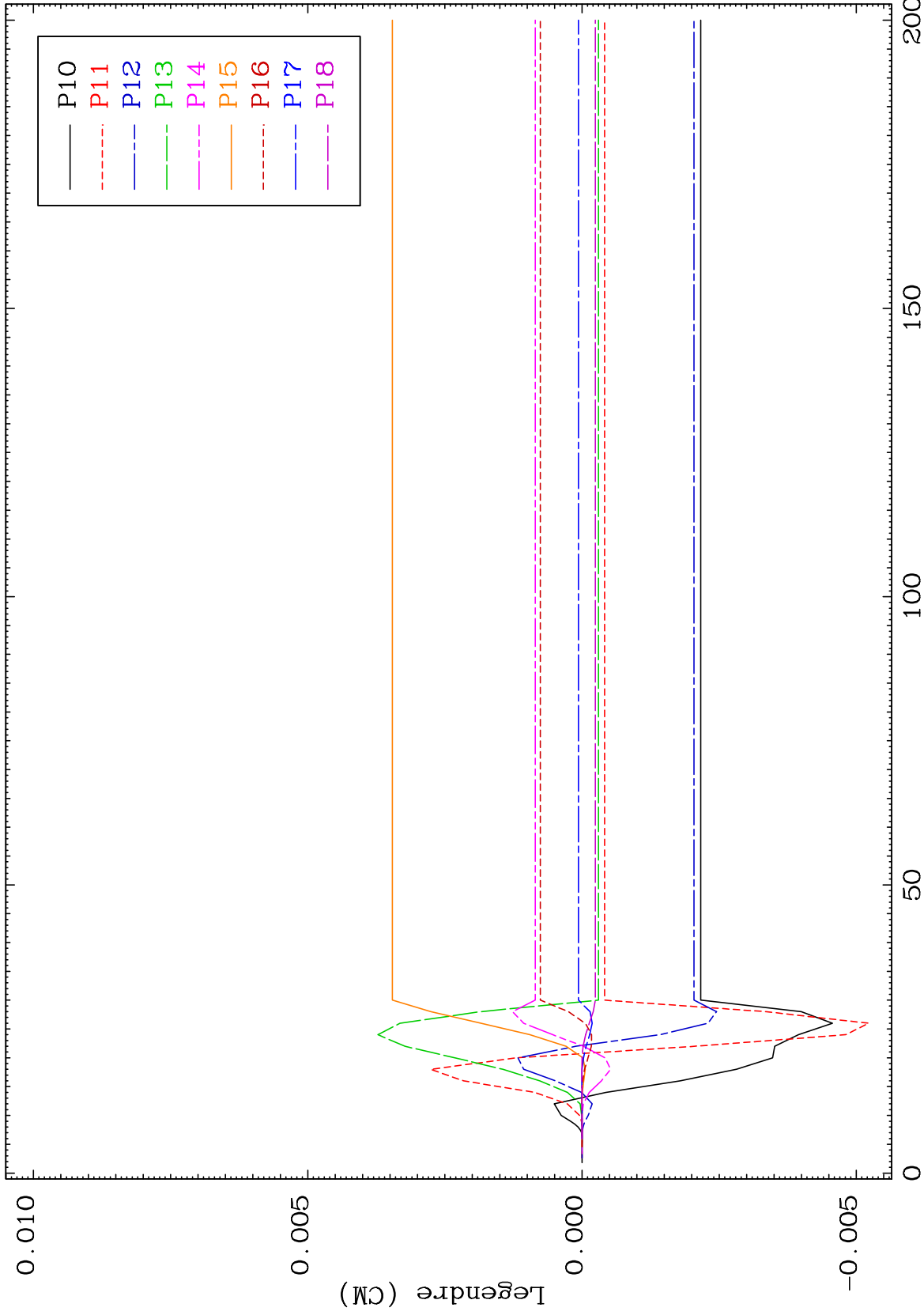
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



87

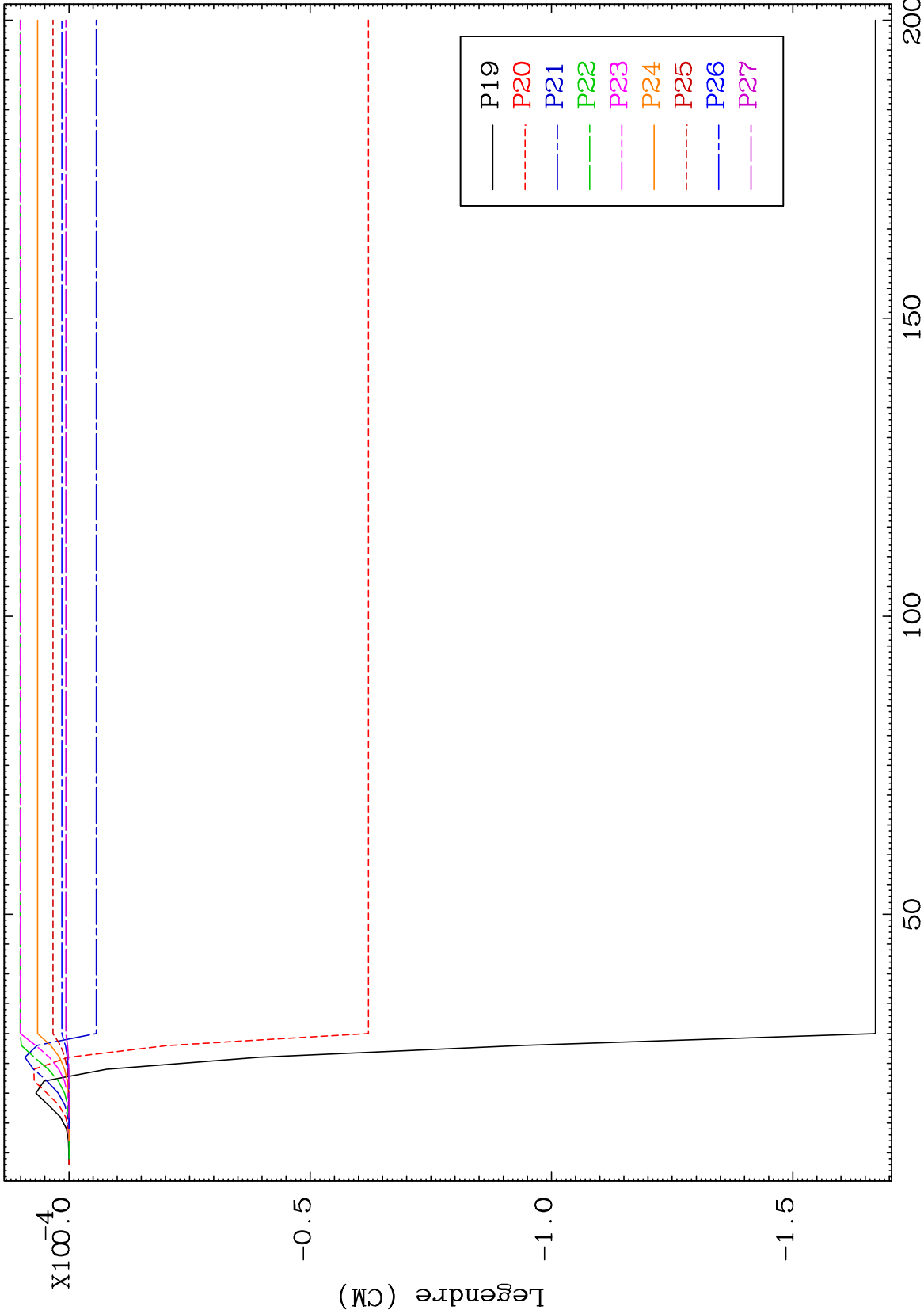
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



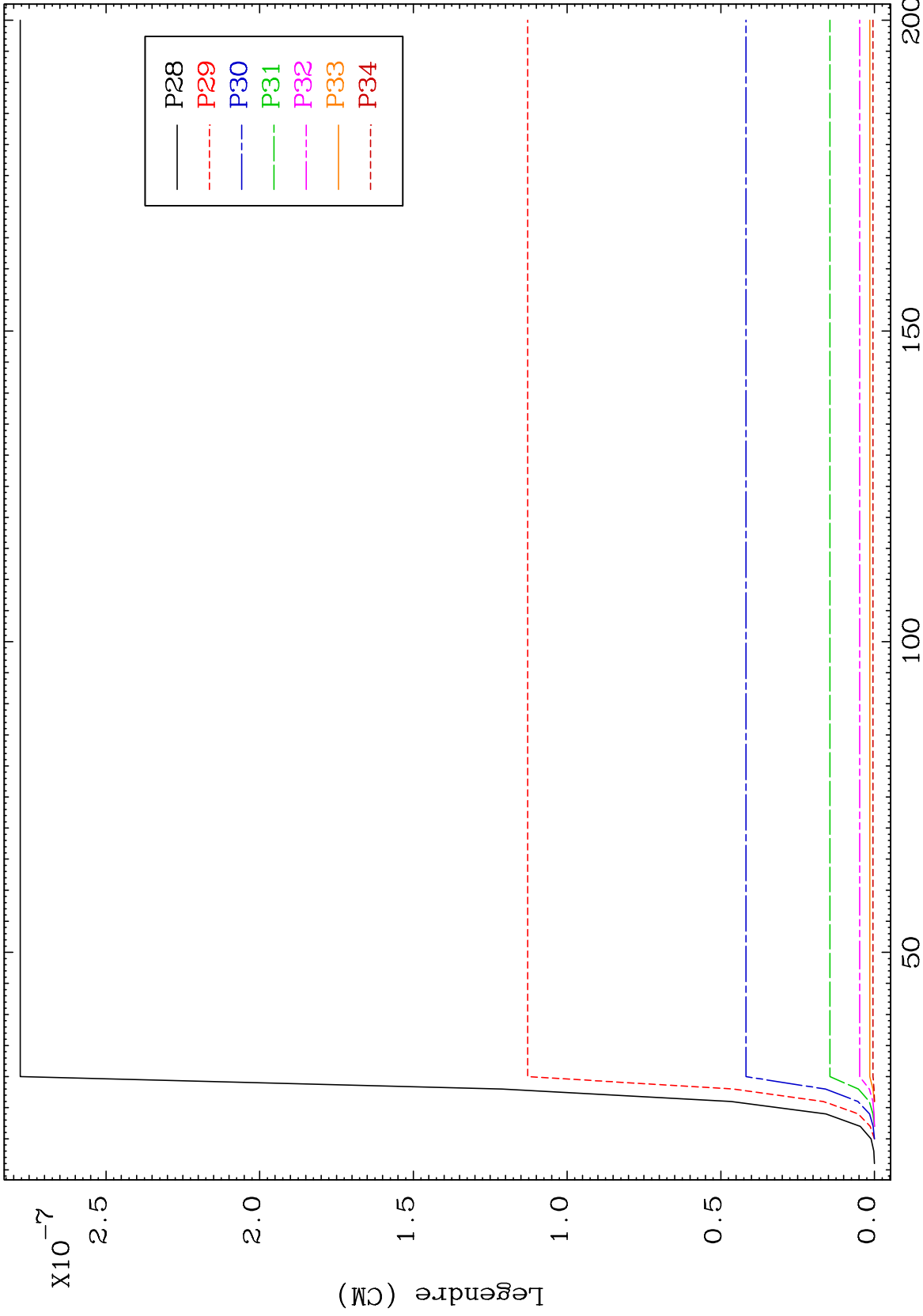
88

51-Sb-116

MAT 5110

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

51-Sb-116



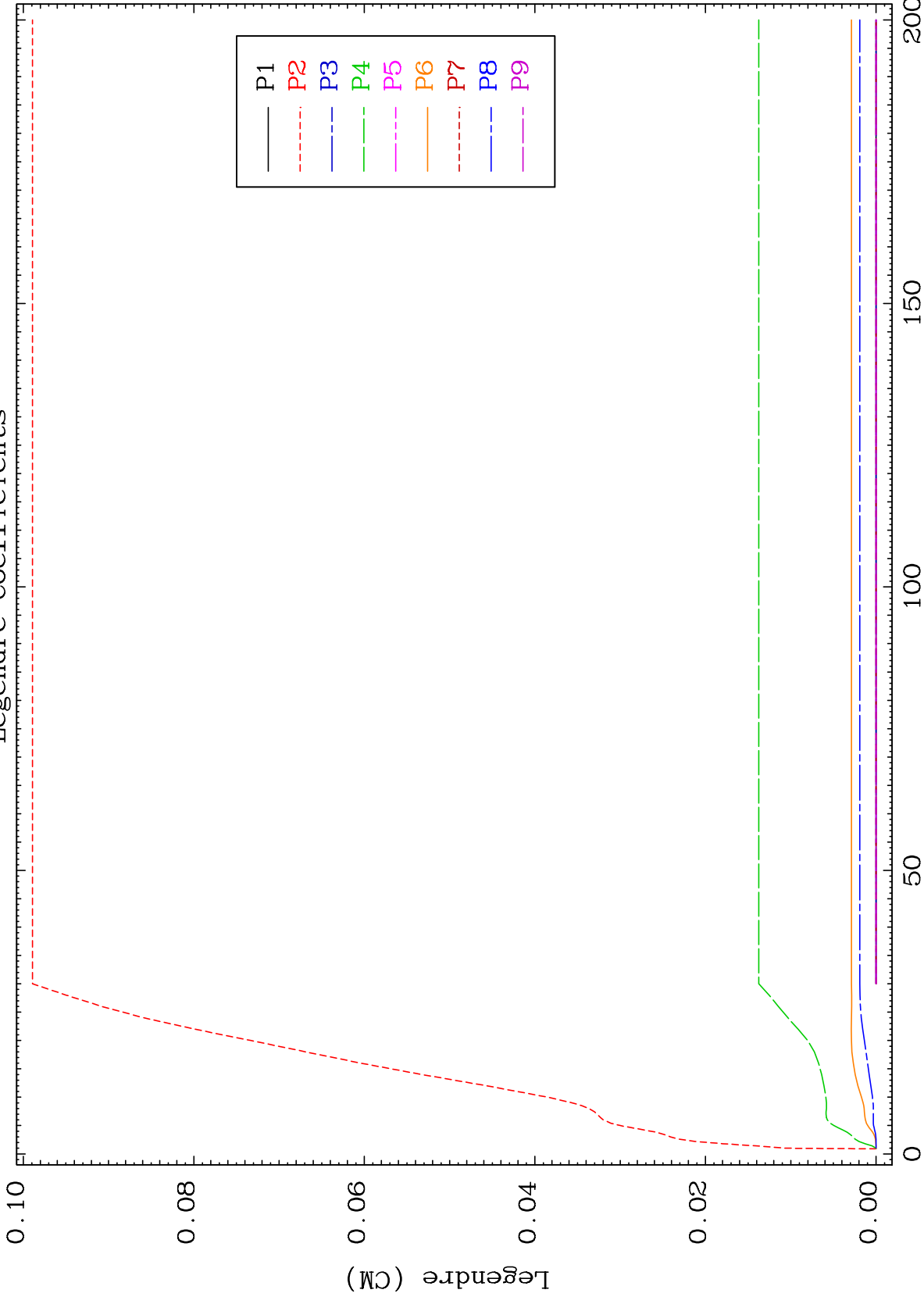
89

51-Sb-116

51-Sb-116

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

MAT 5110



51-Sb-116

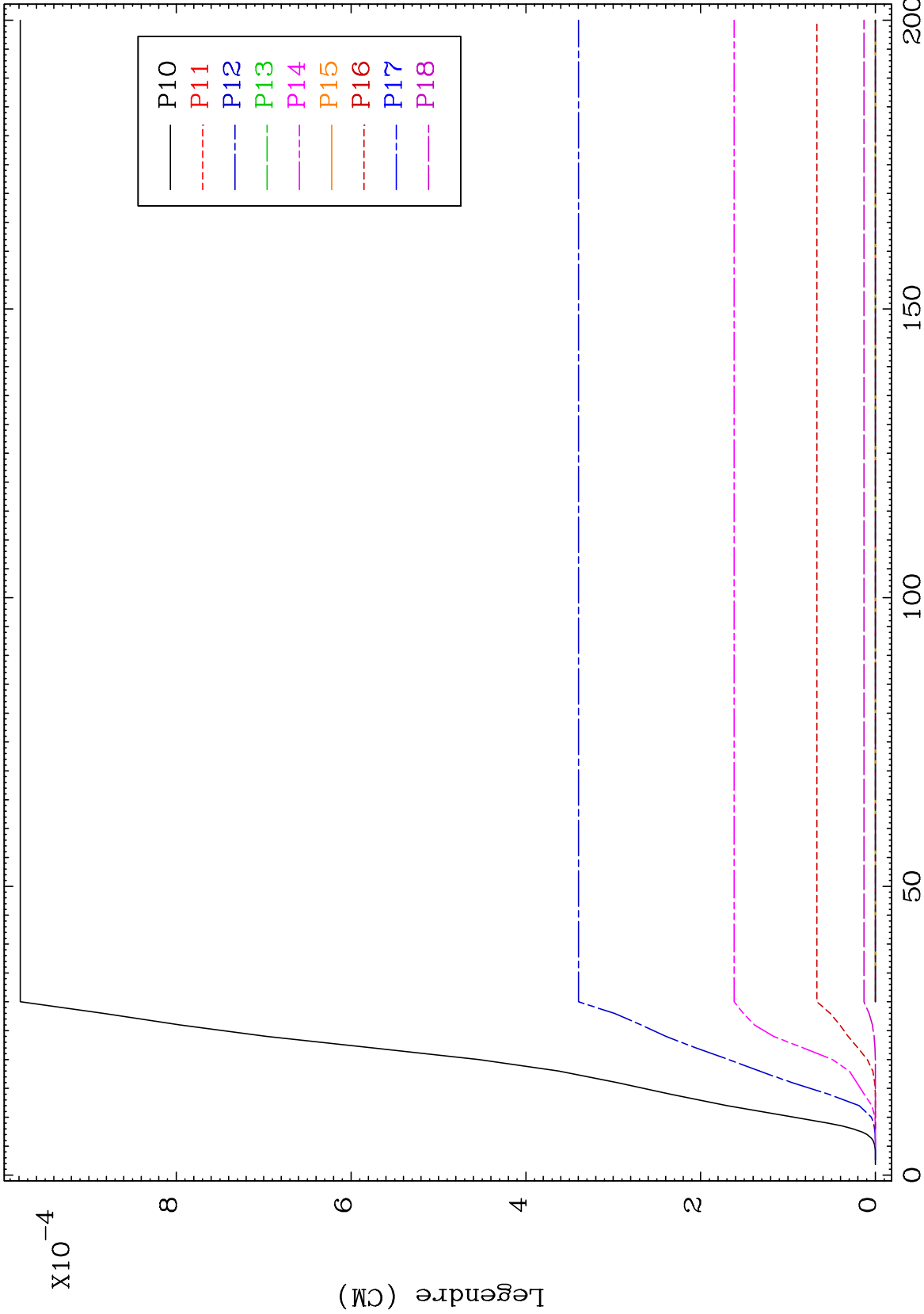
Incident Energy (MeV)

90

MAT 5110

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

51-Sb-116



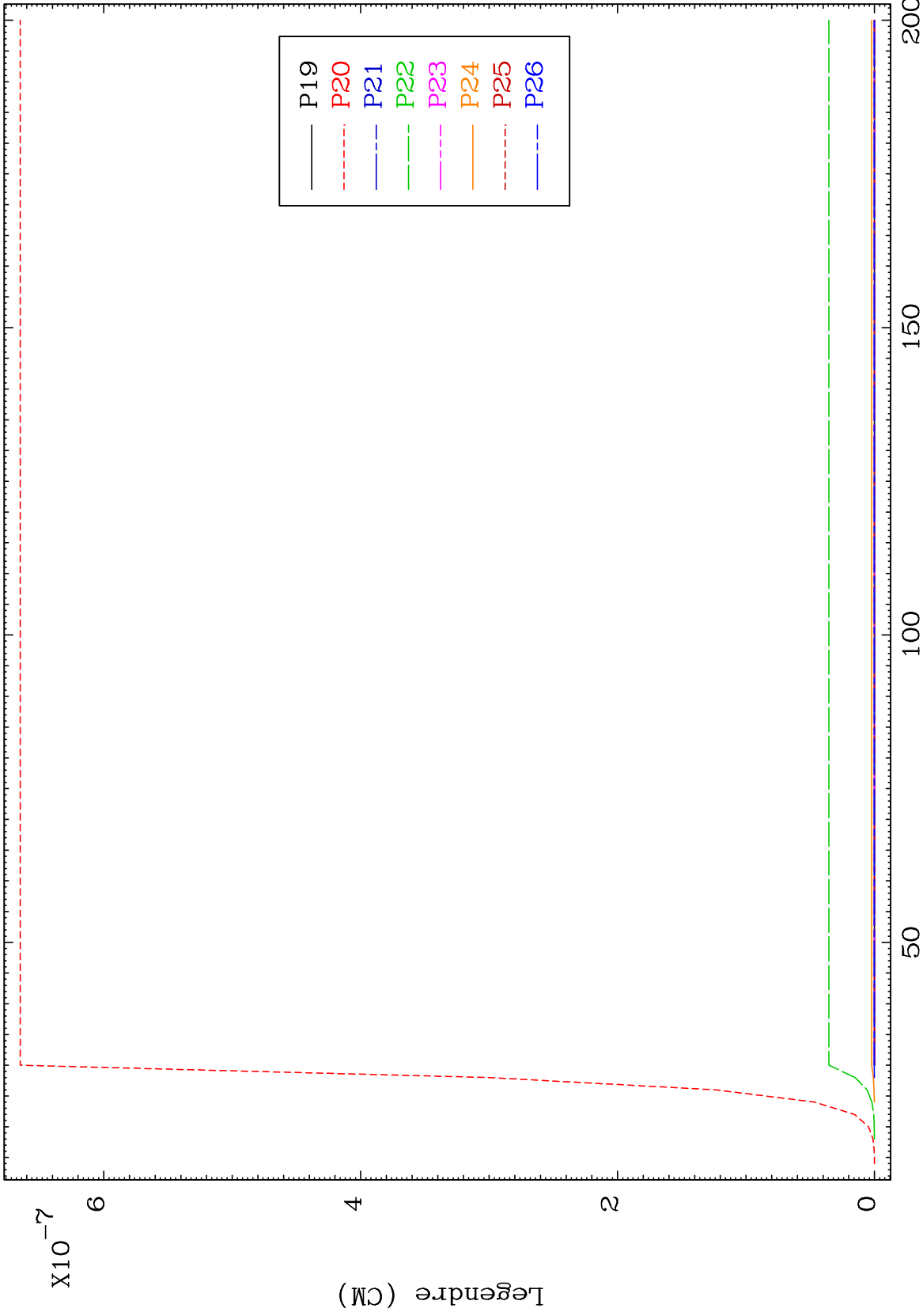
91

51-Sb-116

MAT 5110

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

51-Sb-116



92

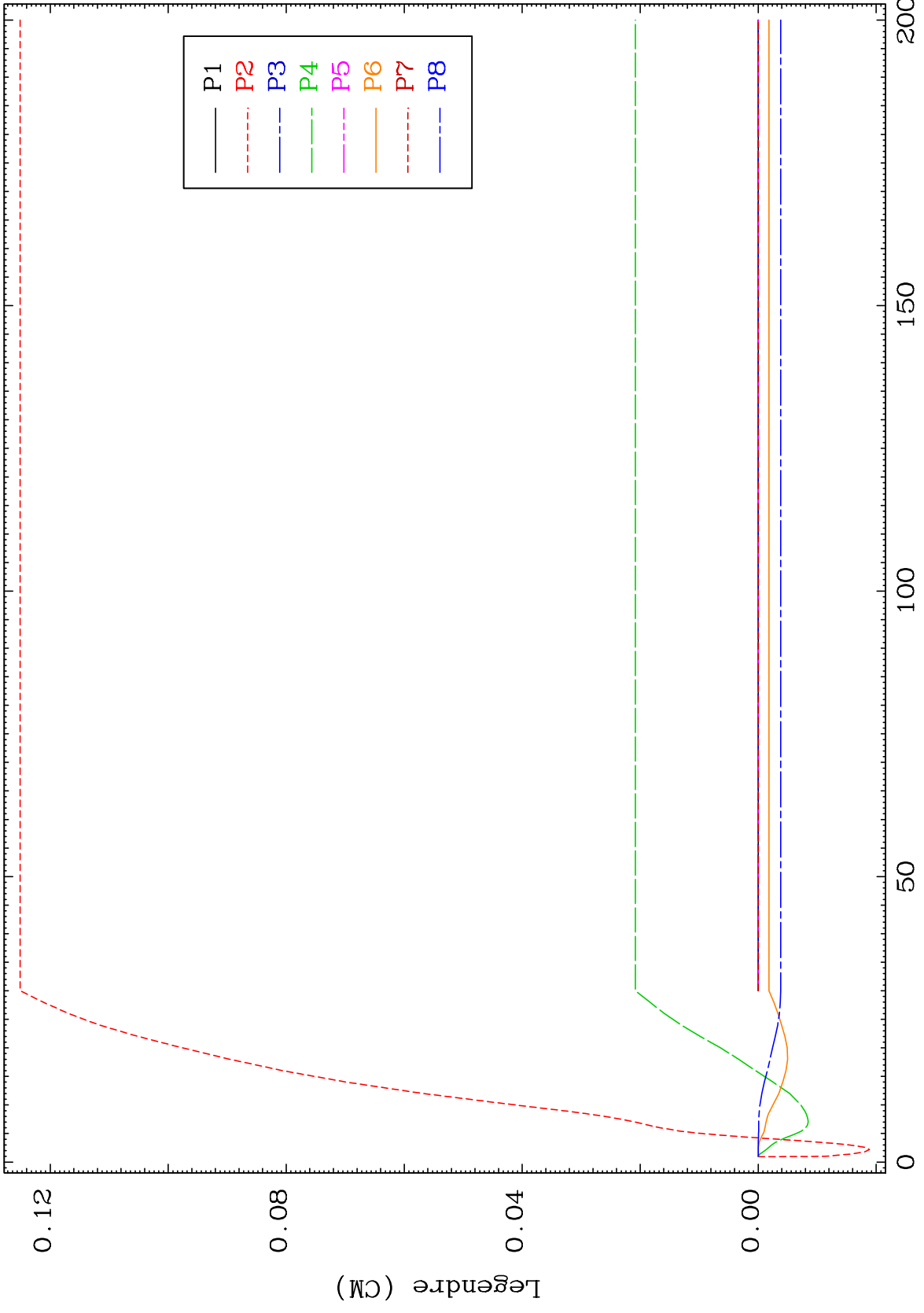
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



93

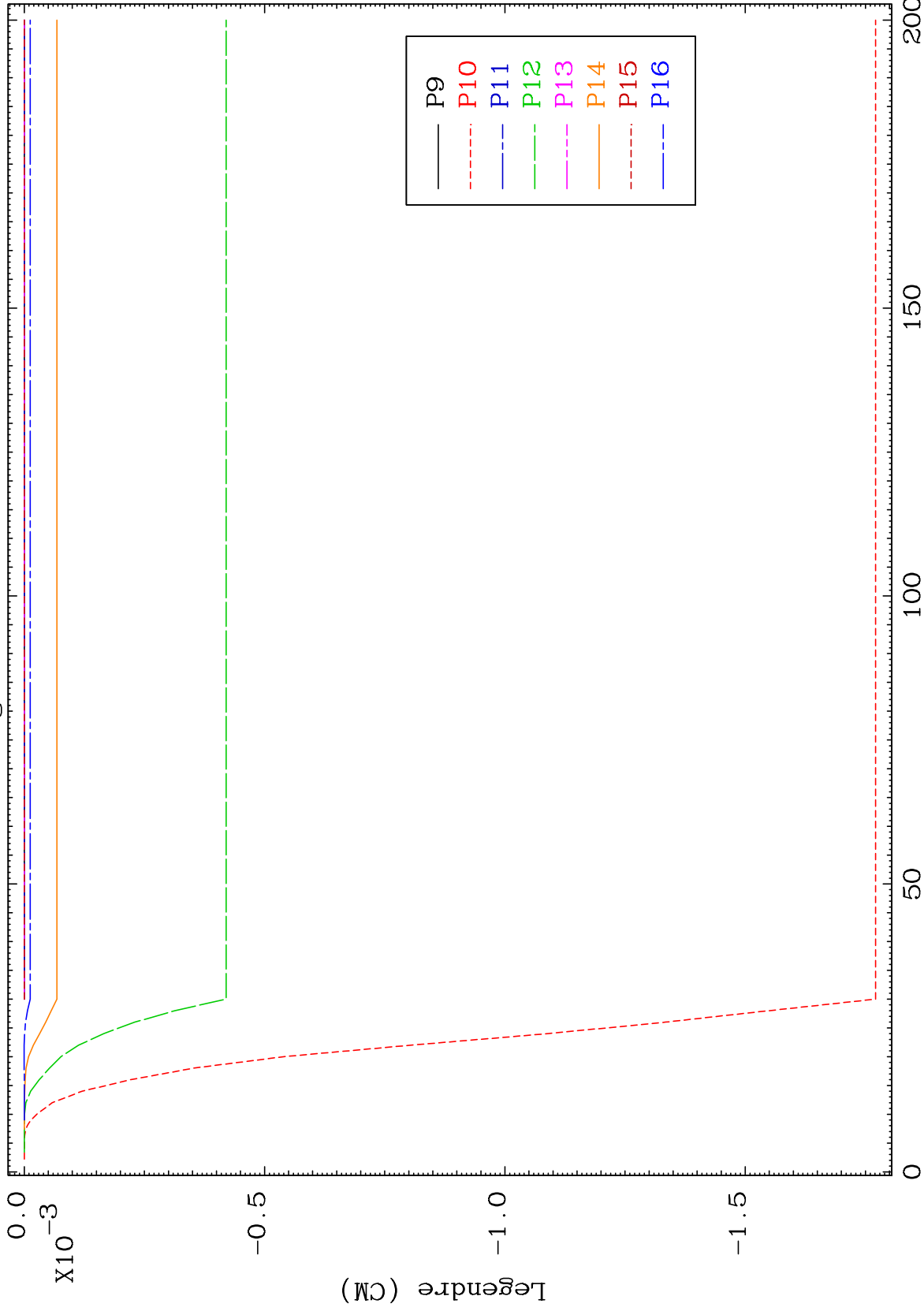
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116

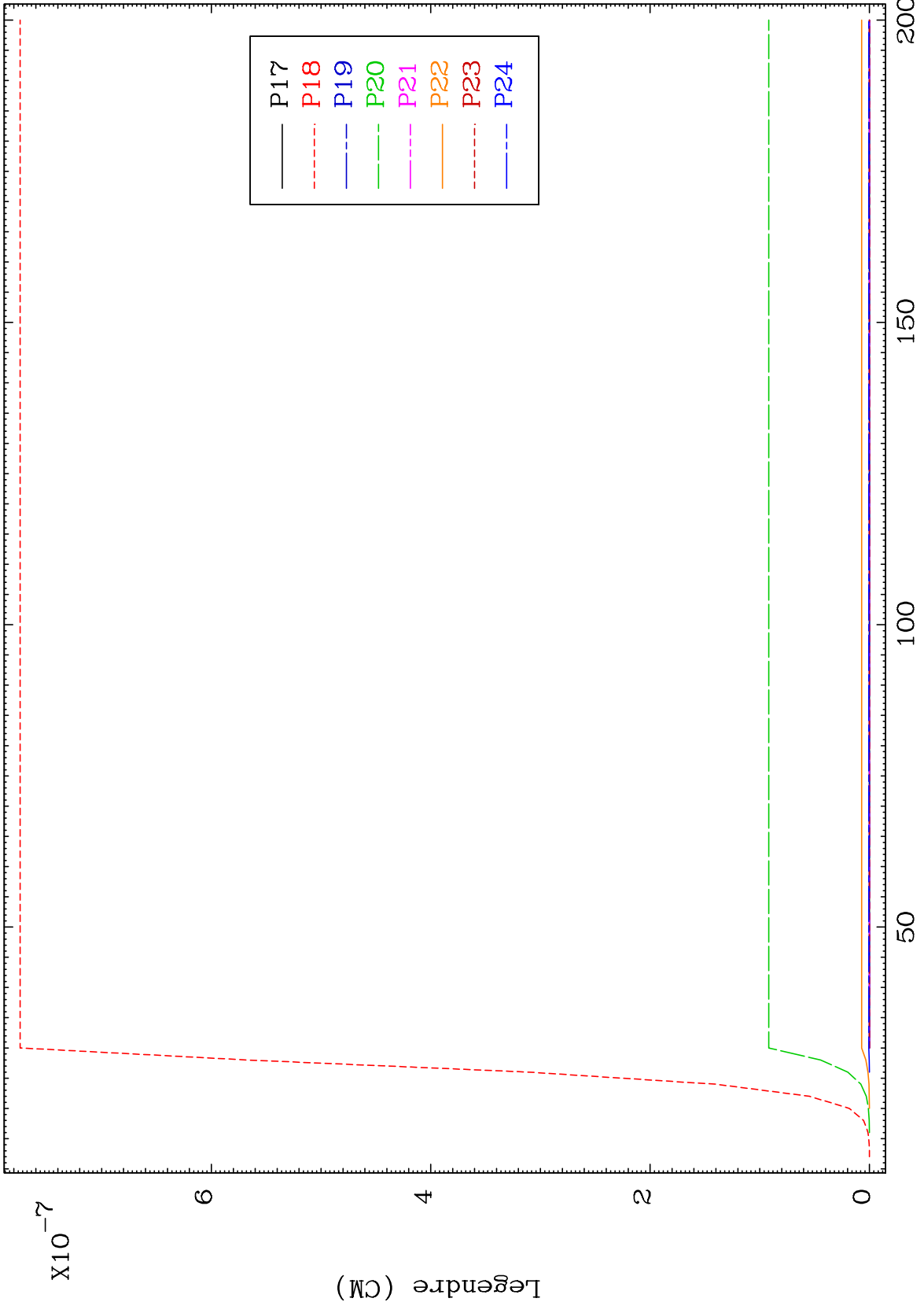


94

Incident Energy (MeV)

51-Sb-116

MAT 5110 MT= 72 (n,n') Level Legendre Coefficients 51-Sb-116

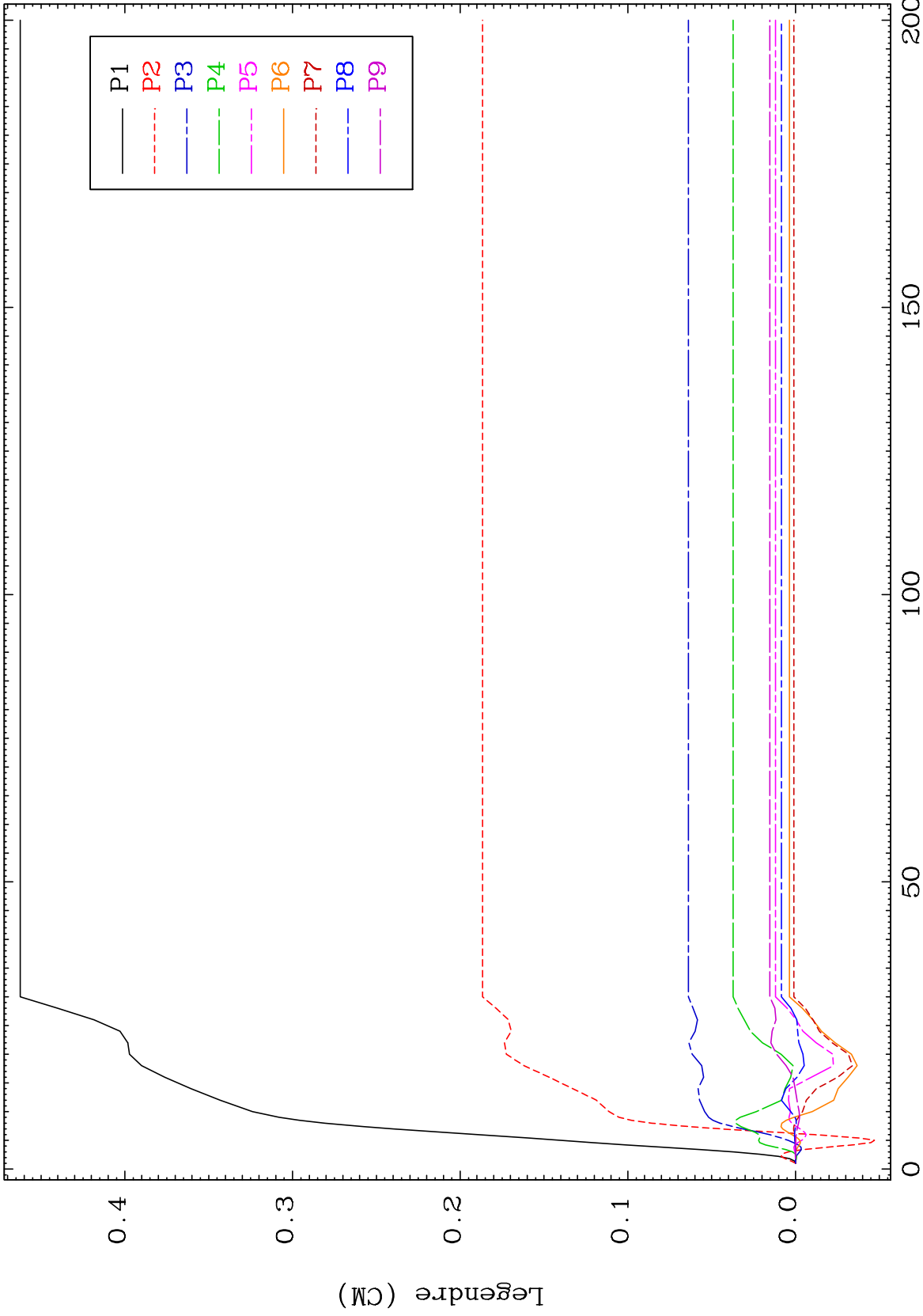


95 50 100 150 200 Incident Energy (MeV) 51-Sb-116

MAT 5110

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

51-Sb-116



96

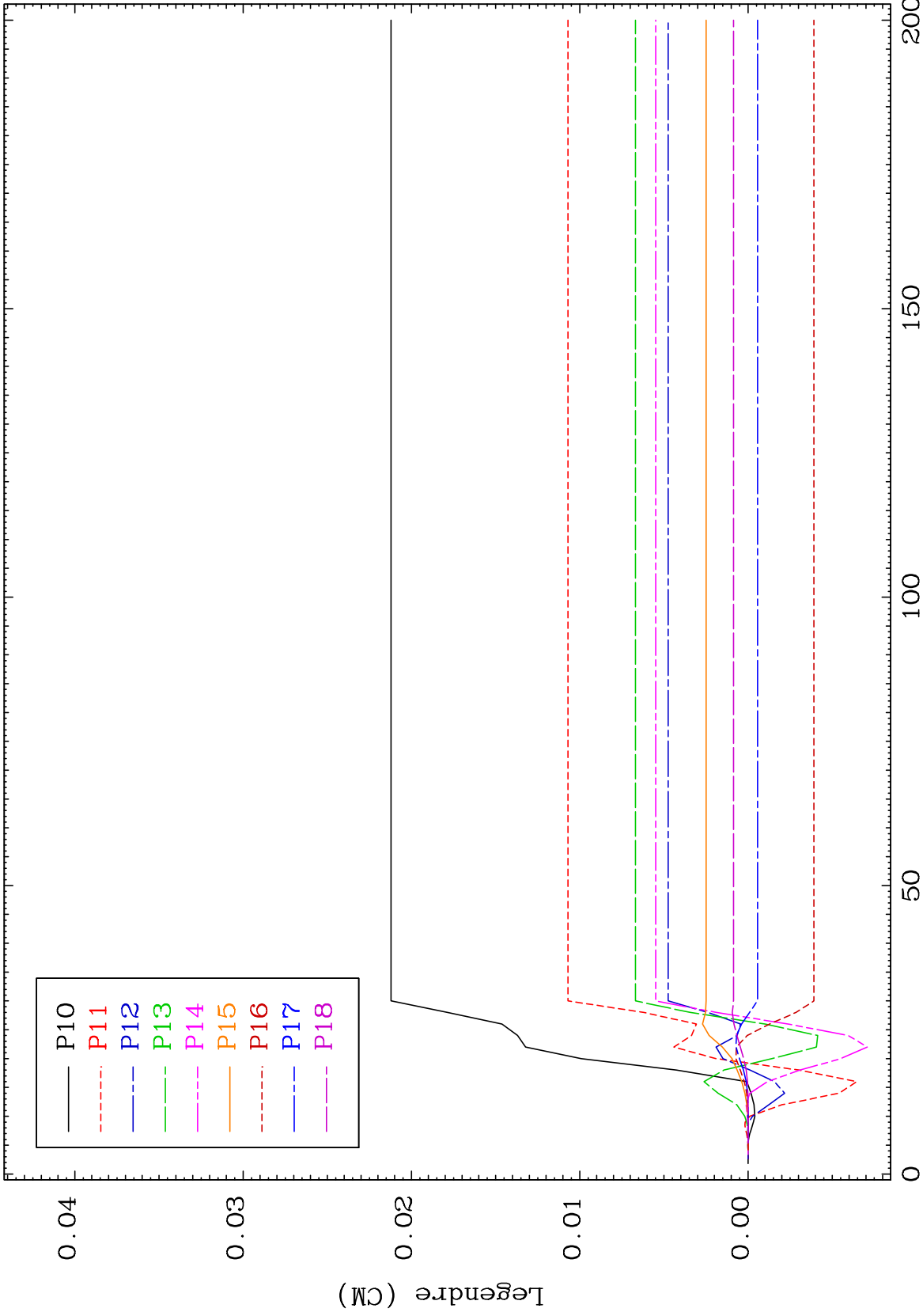
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



97

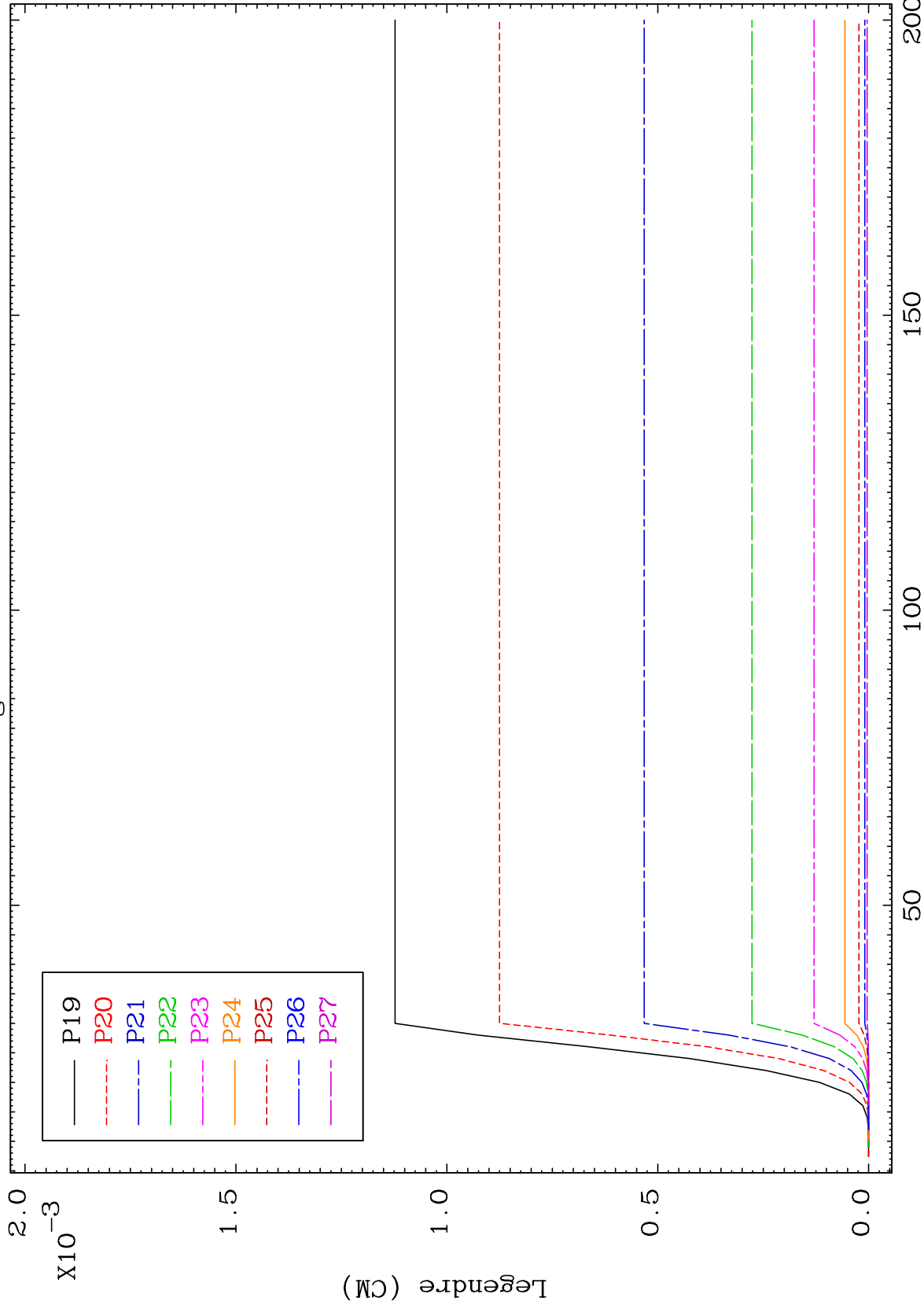
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

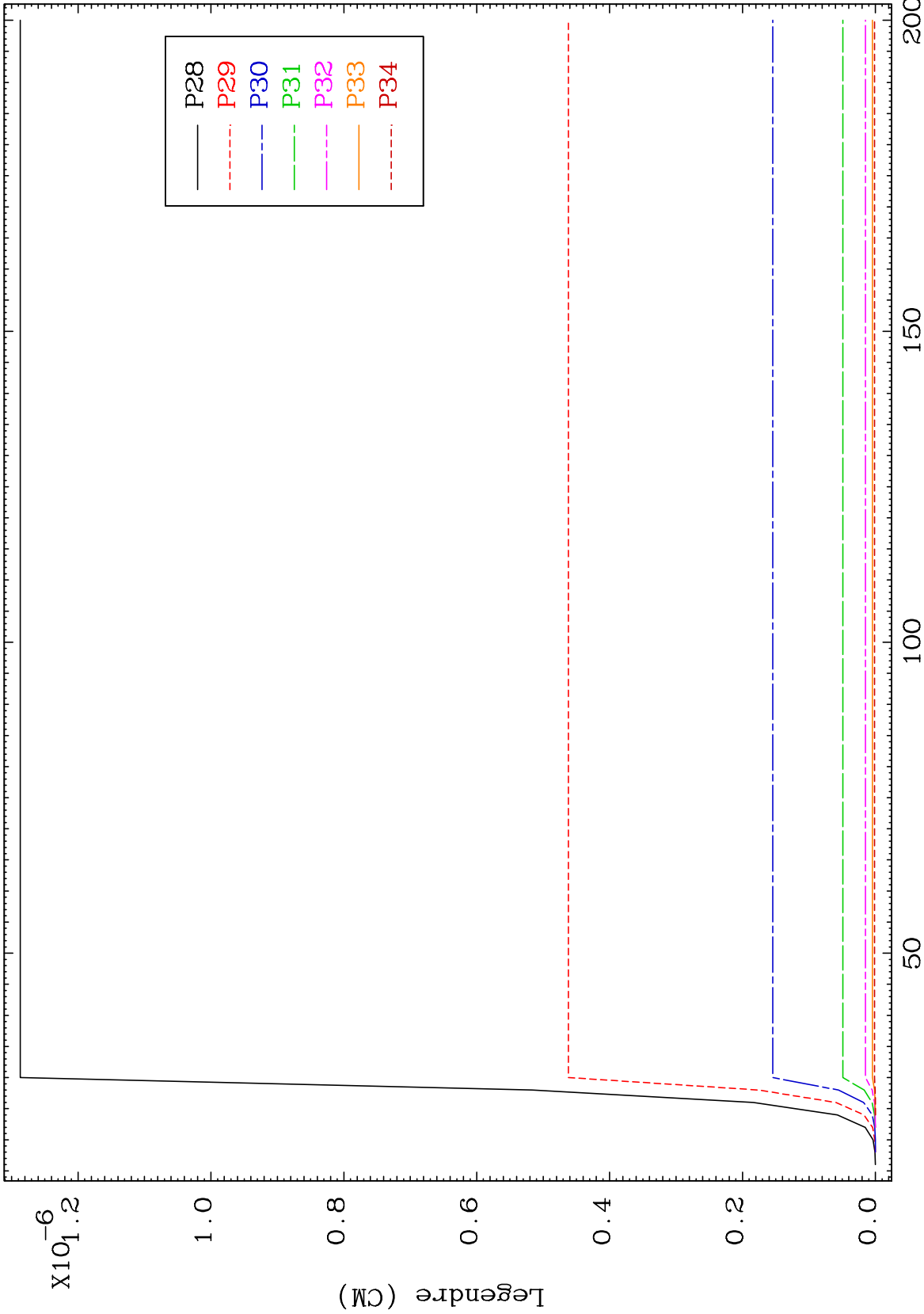
51-Sb-116



98

Incident Energy (MeV)

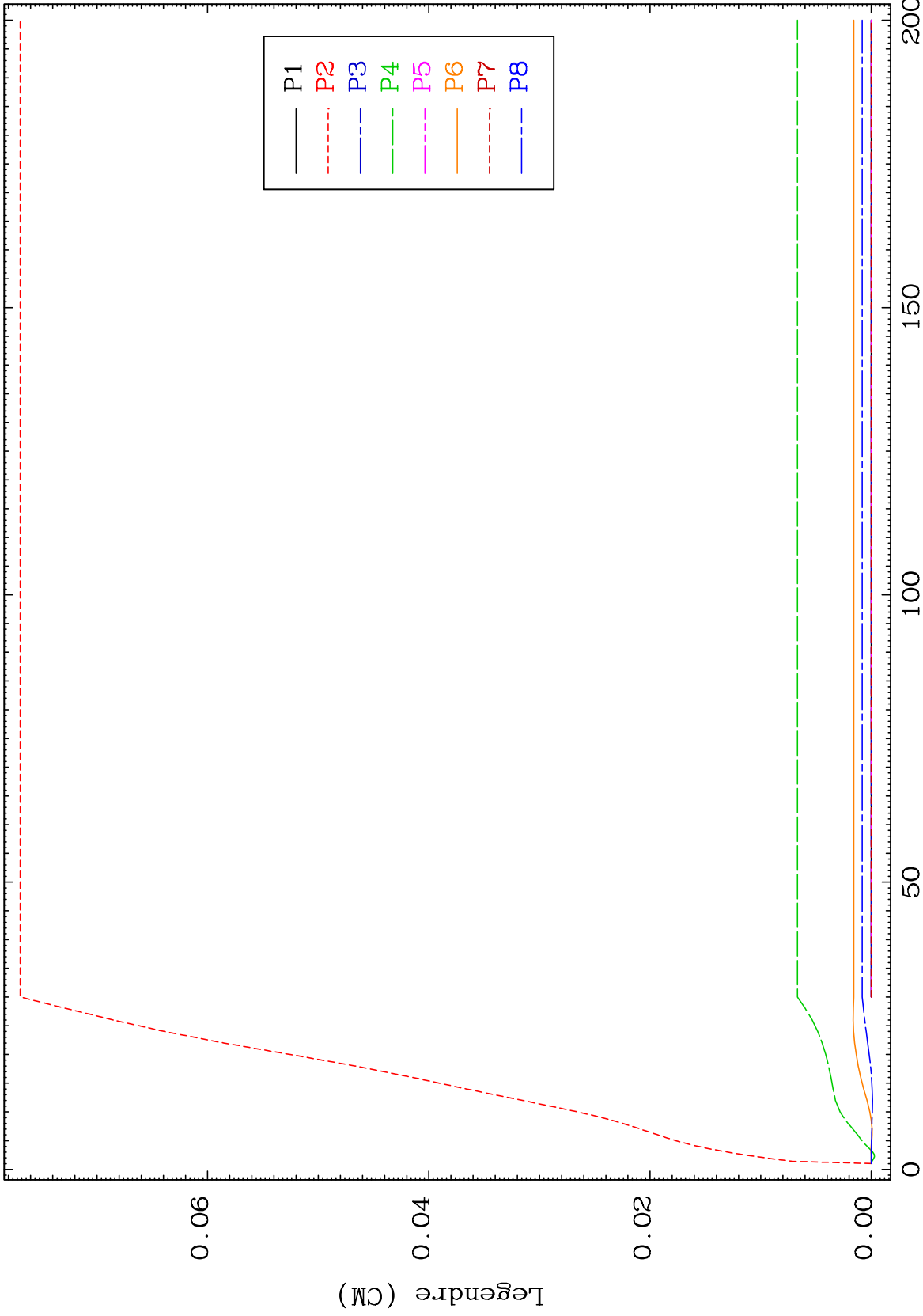
51-Sb-116



MAT 5110

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

51-Sb-116



51-Sb-116

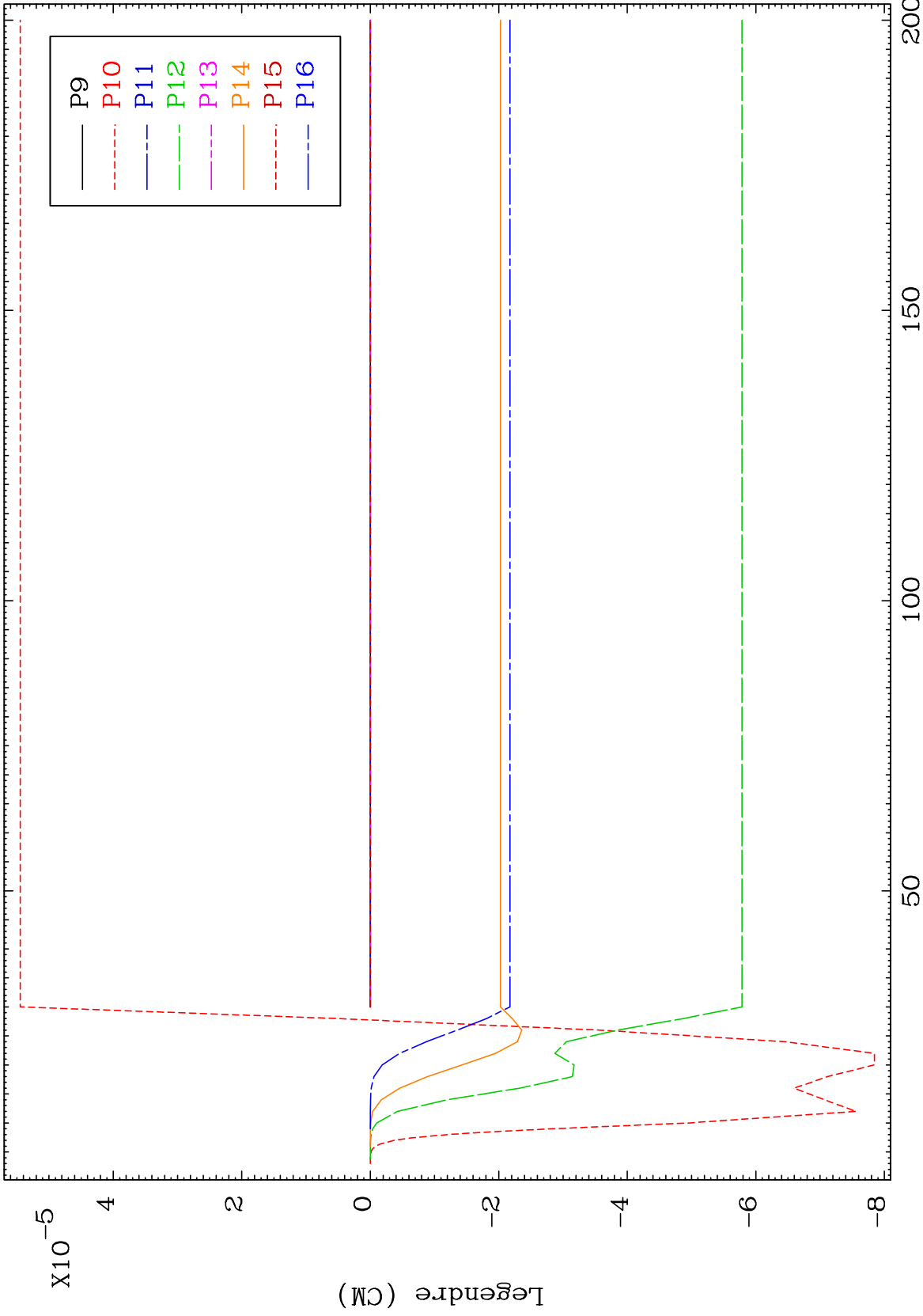
Incident Energy (MeV)

100

MAT 5110

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

51-Sb-116



101

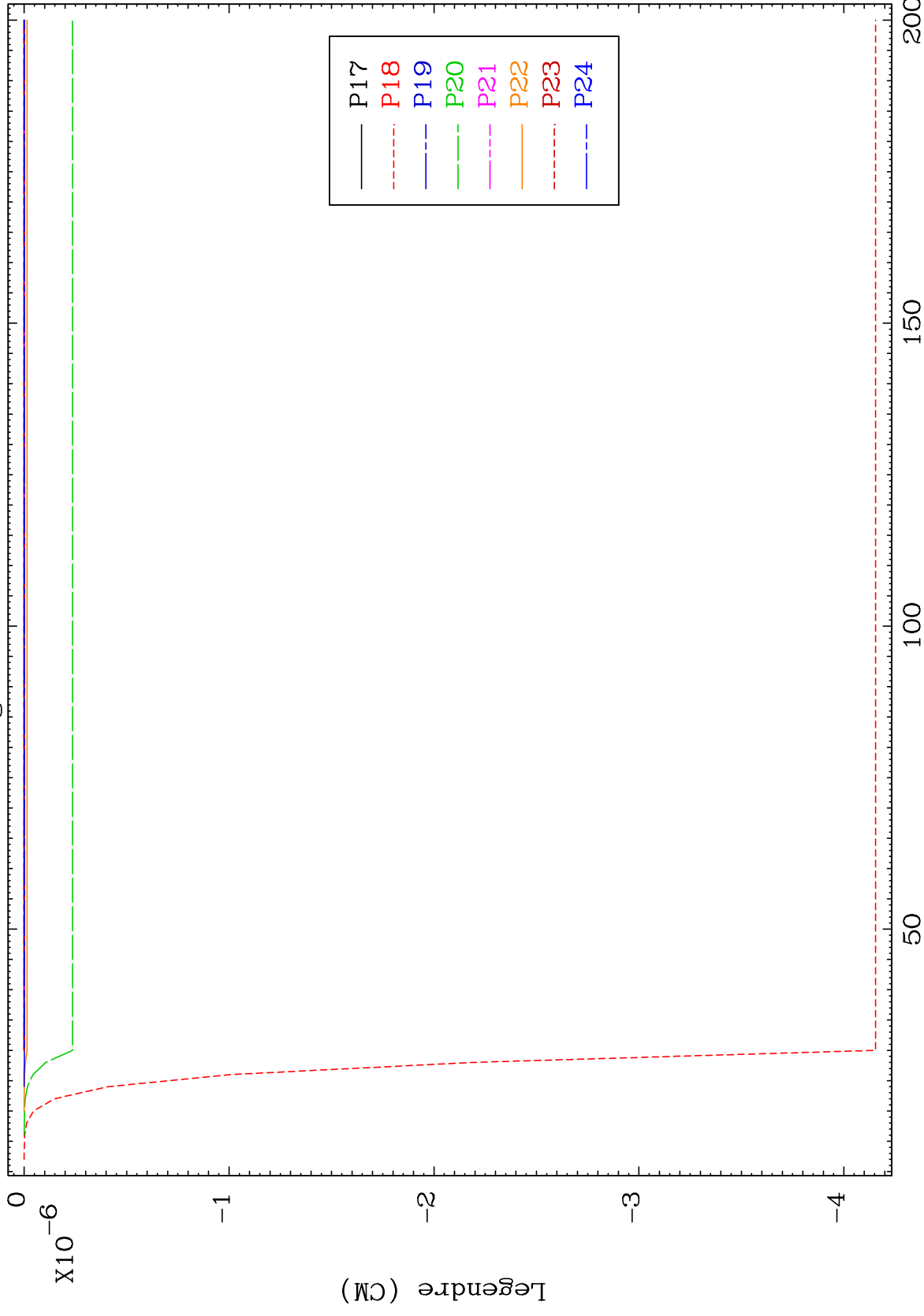
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116

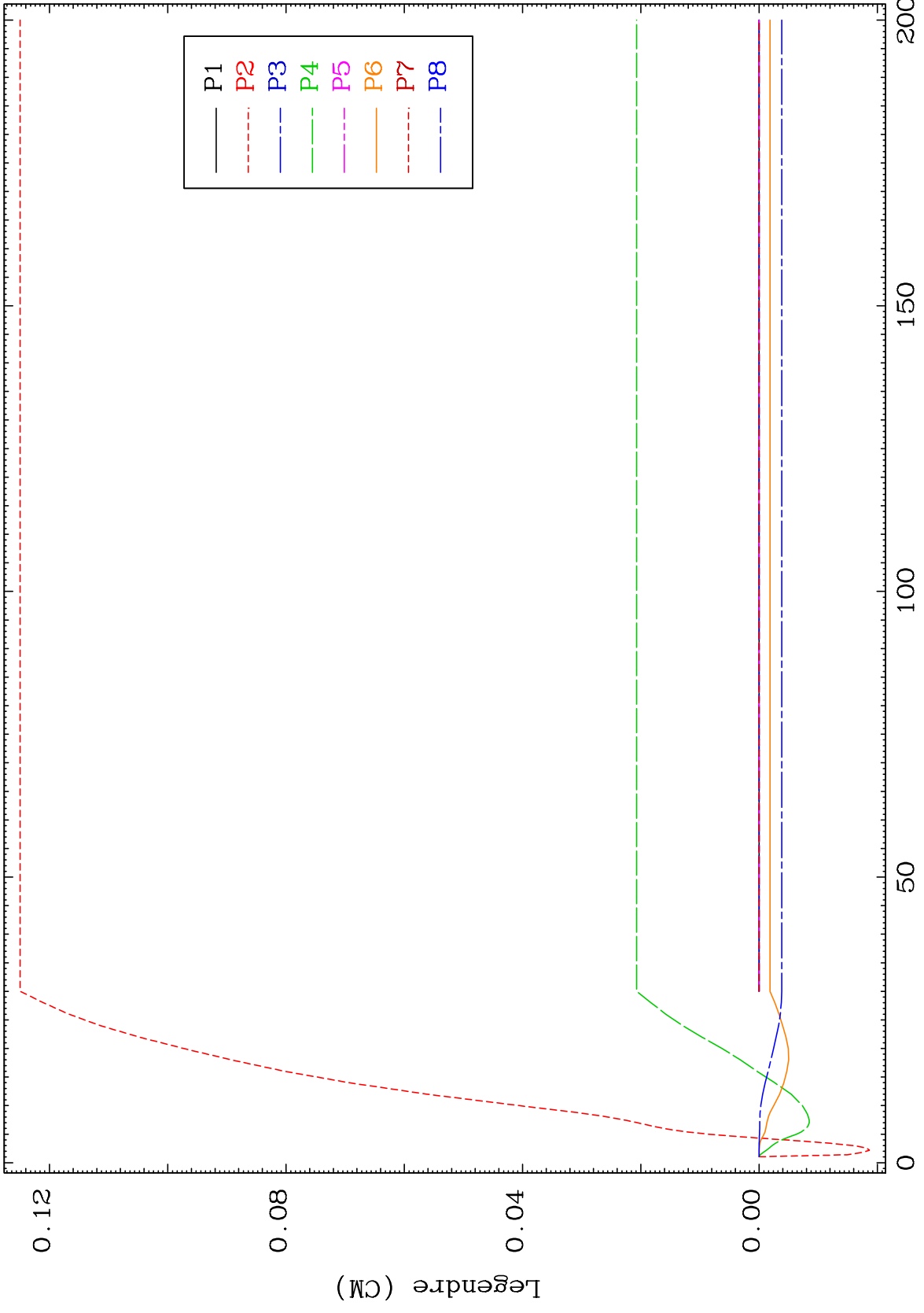


51-Sb-116

Incident Energy (MeV)

102

MAT 5110 MT= 75 (n,n') Level Legendre Coefficients 51-Sb-116

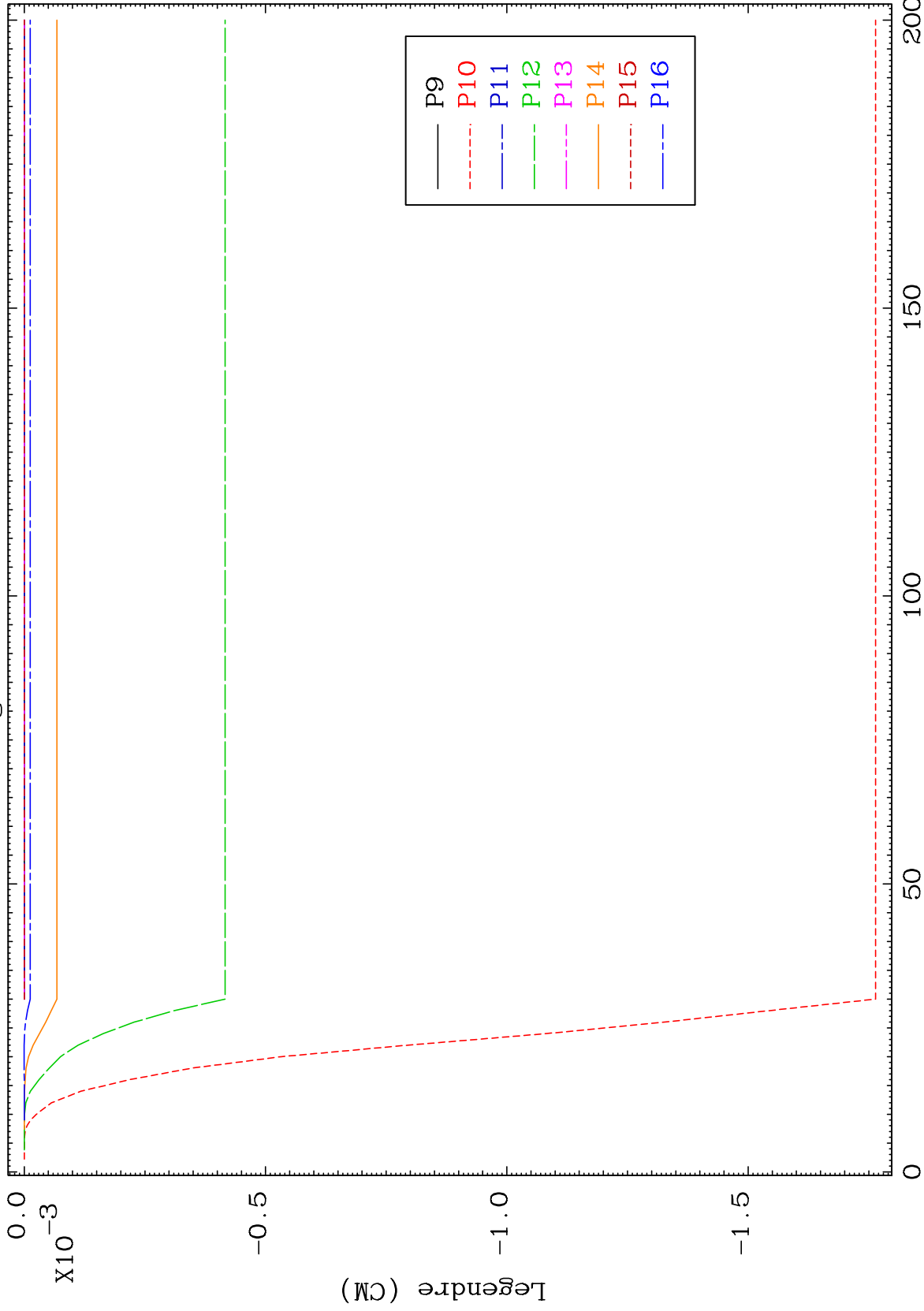


103 51-Sb-116

MAT 5110

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

51-Sb-116

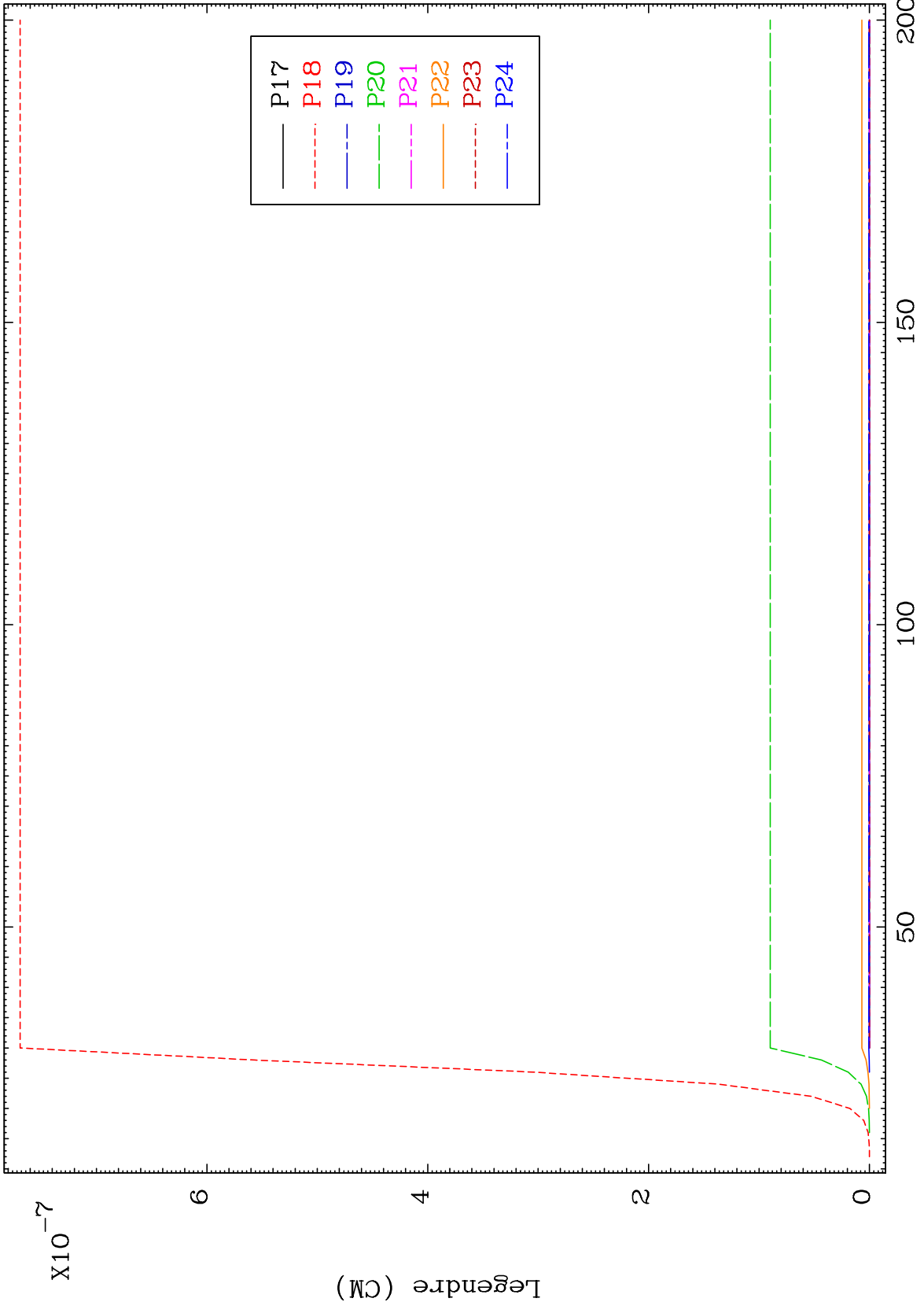


104

Incident Energy (MeV)

51-Sb-116

MAT 5110 MT= 75 (n,n') Level Legendre Coefficients 51-Sb-116

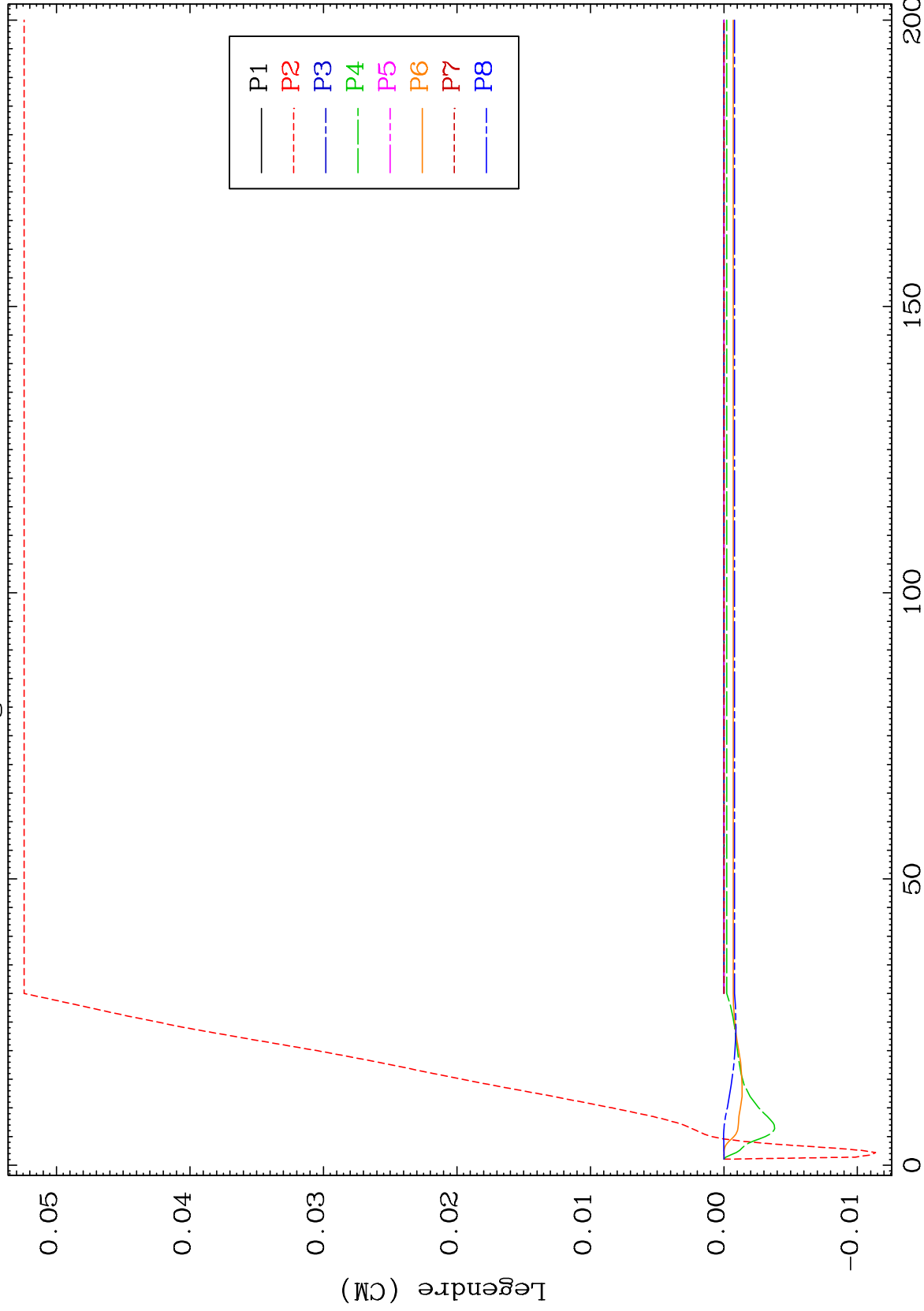


51-Sb-116

MAT 5110

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

51-Sb-116



51-Sb-116

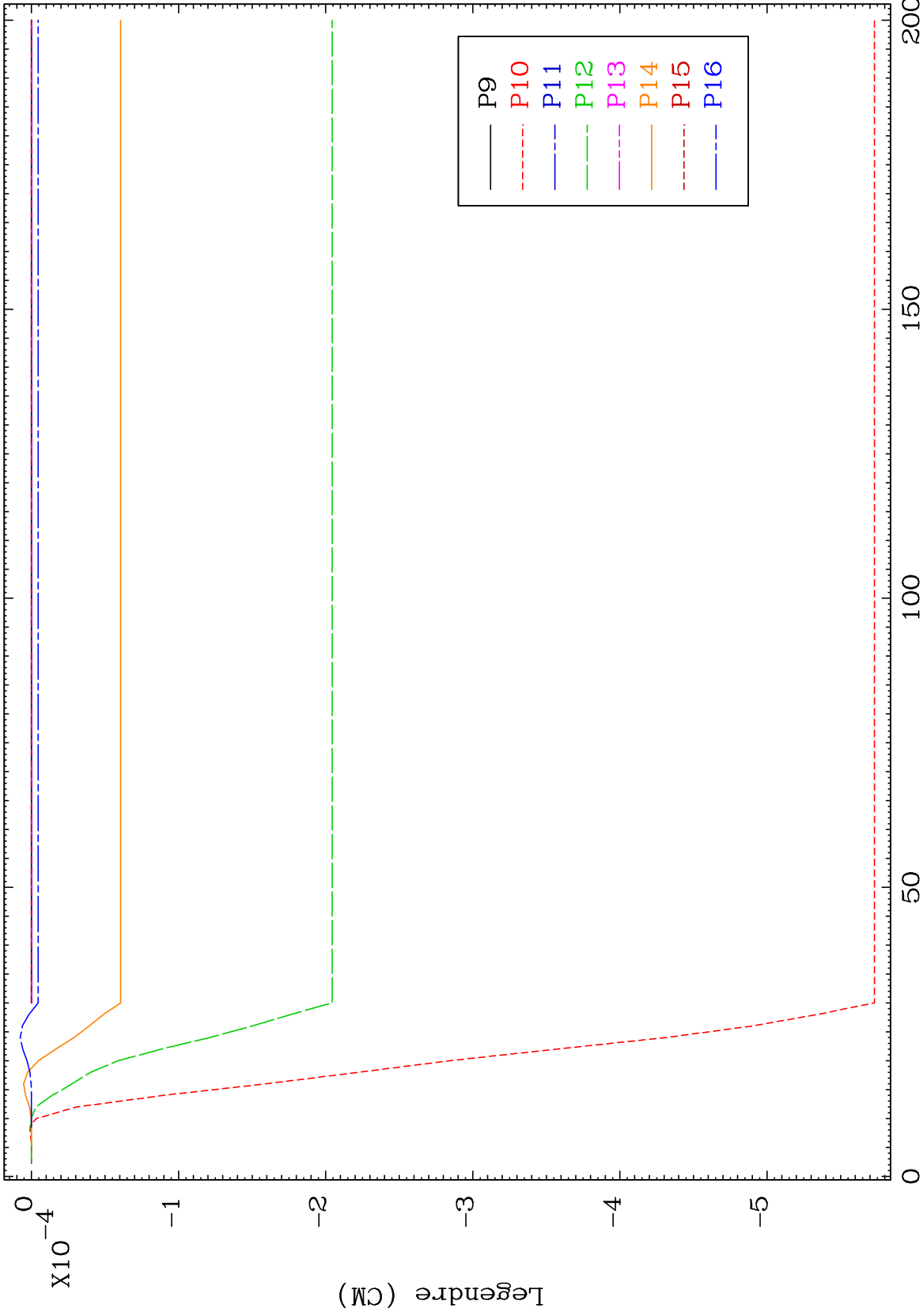
Incident Energy (MeV)

106

MAT 5110

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

51-Sb-116



107

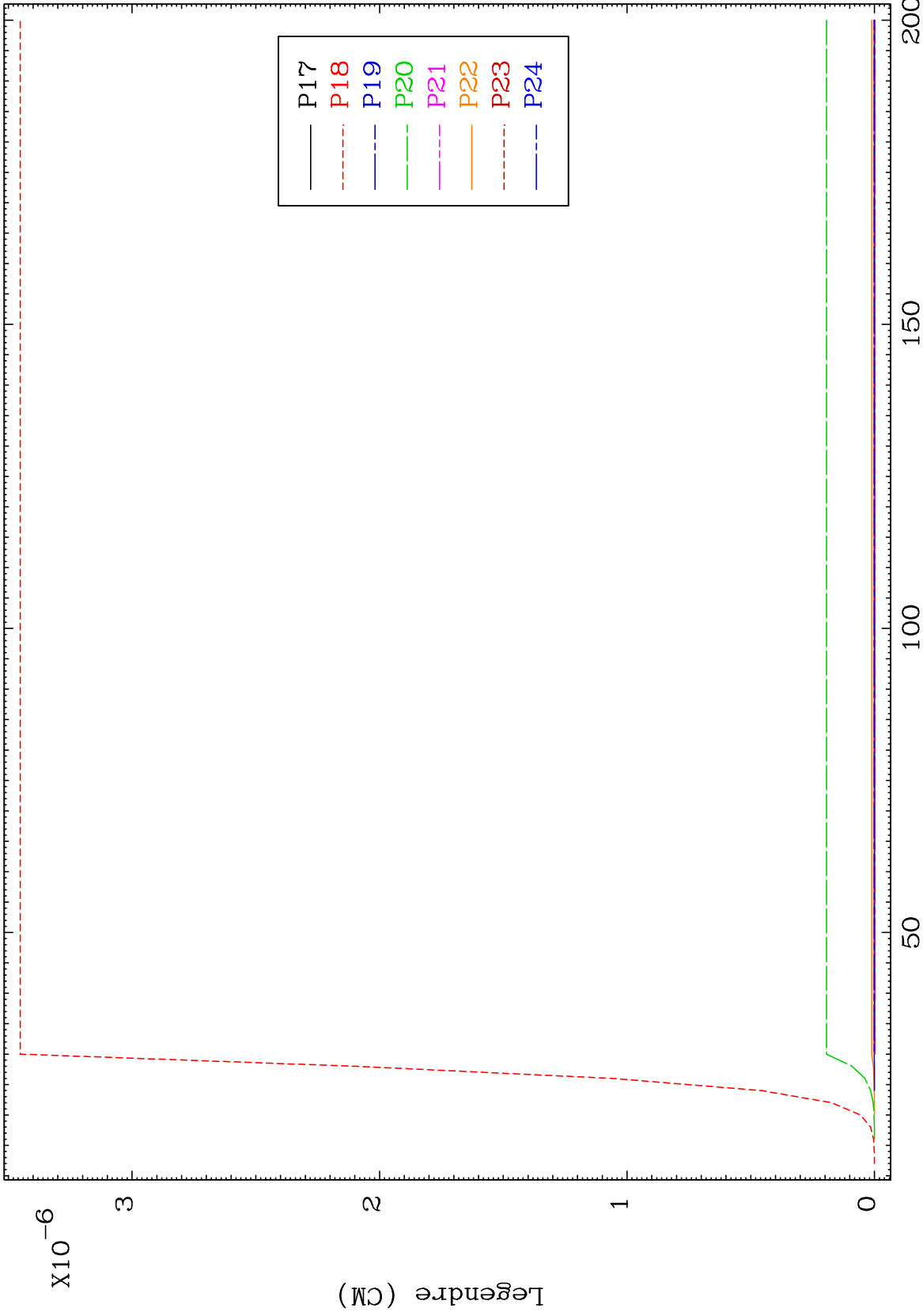
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



108

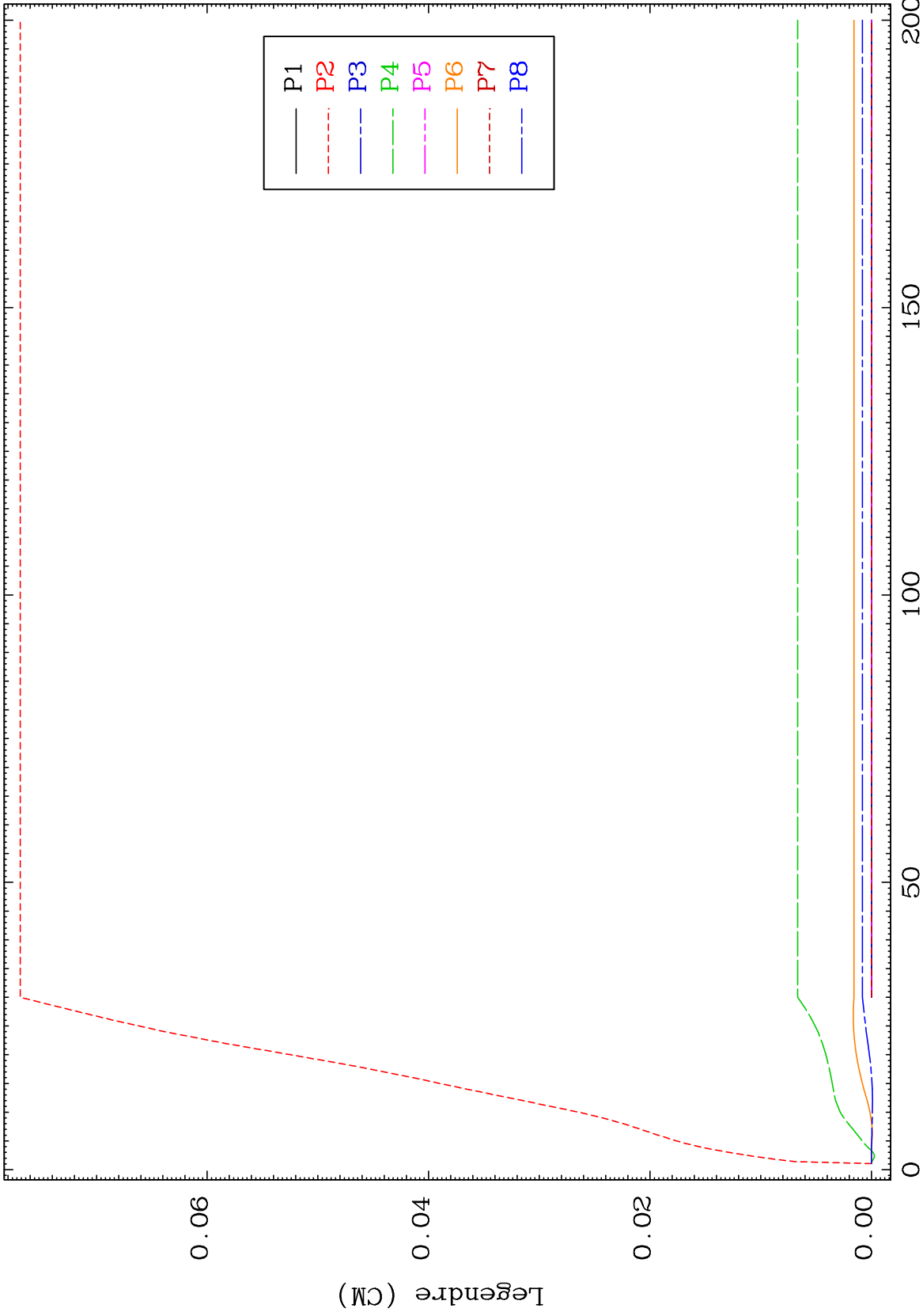
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



51-Sb-116

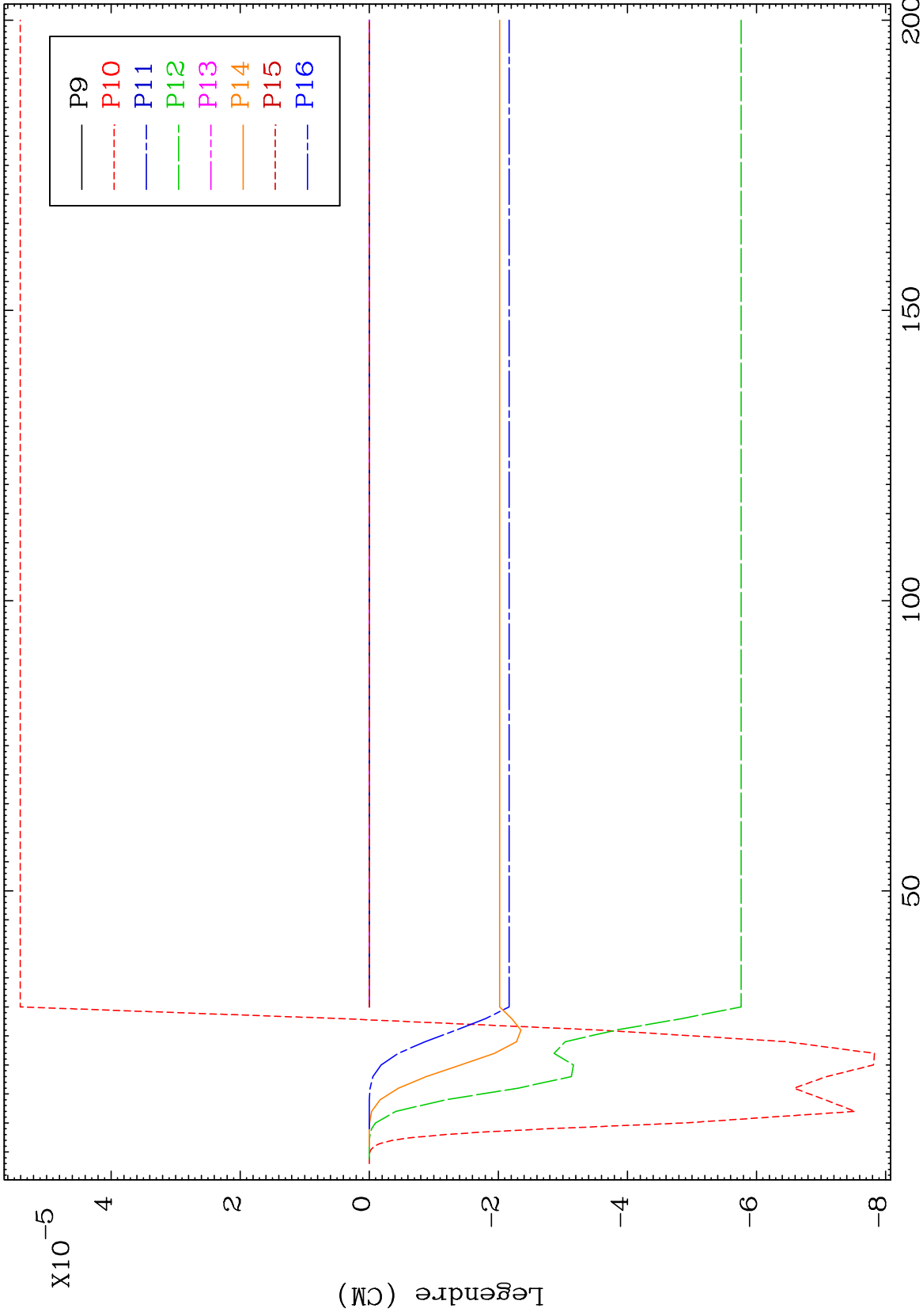
Incident Energy (MeV)

109

MAT 5110

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

51-Sb-116



110

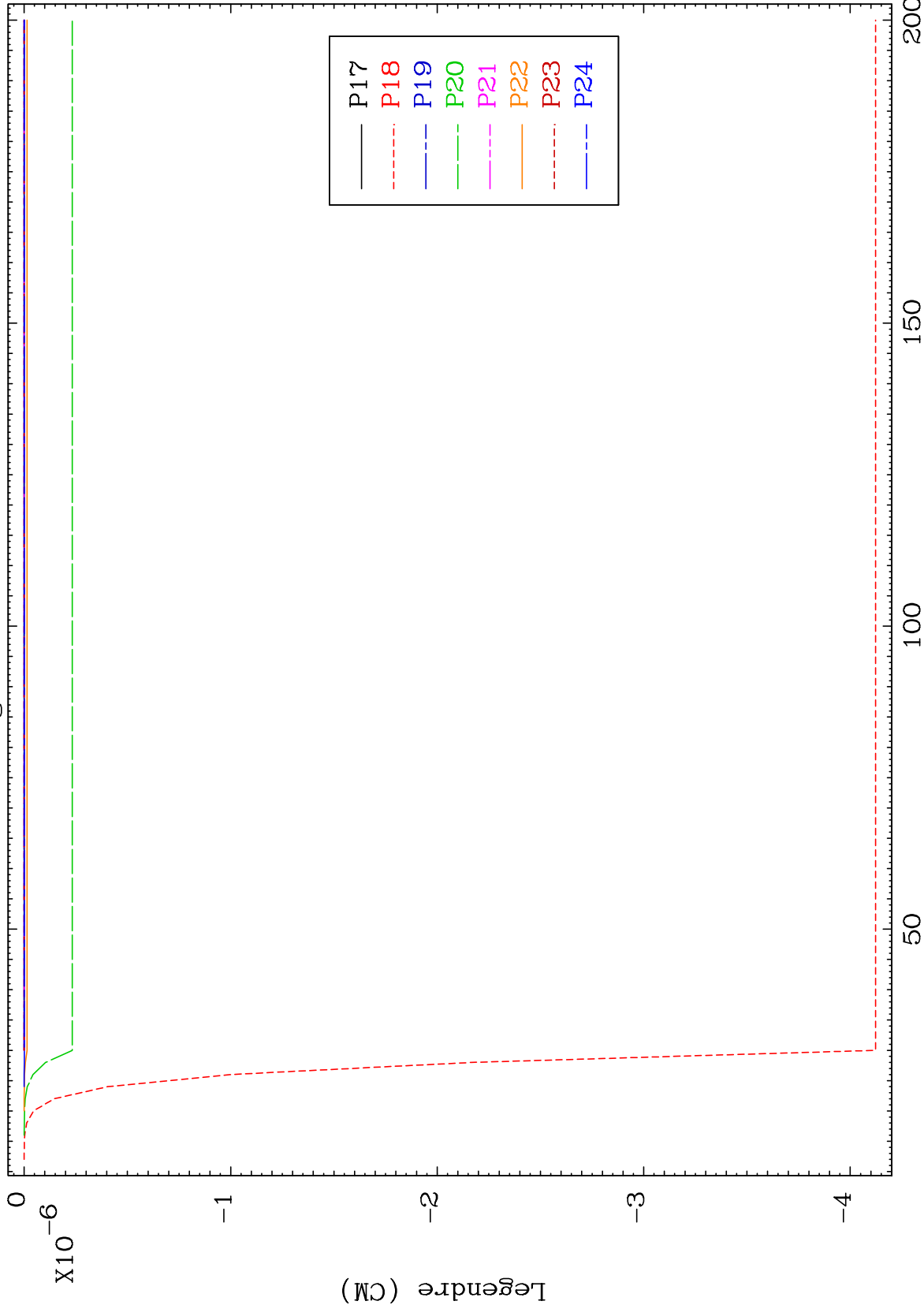
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



51-Sb-116

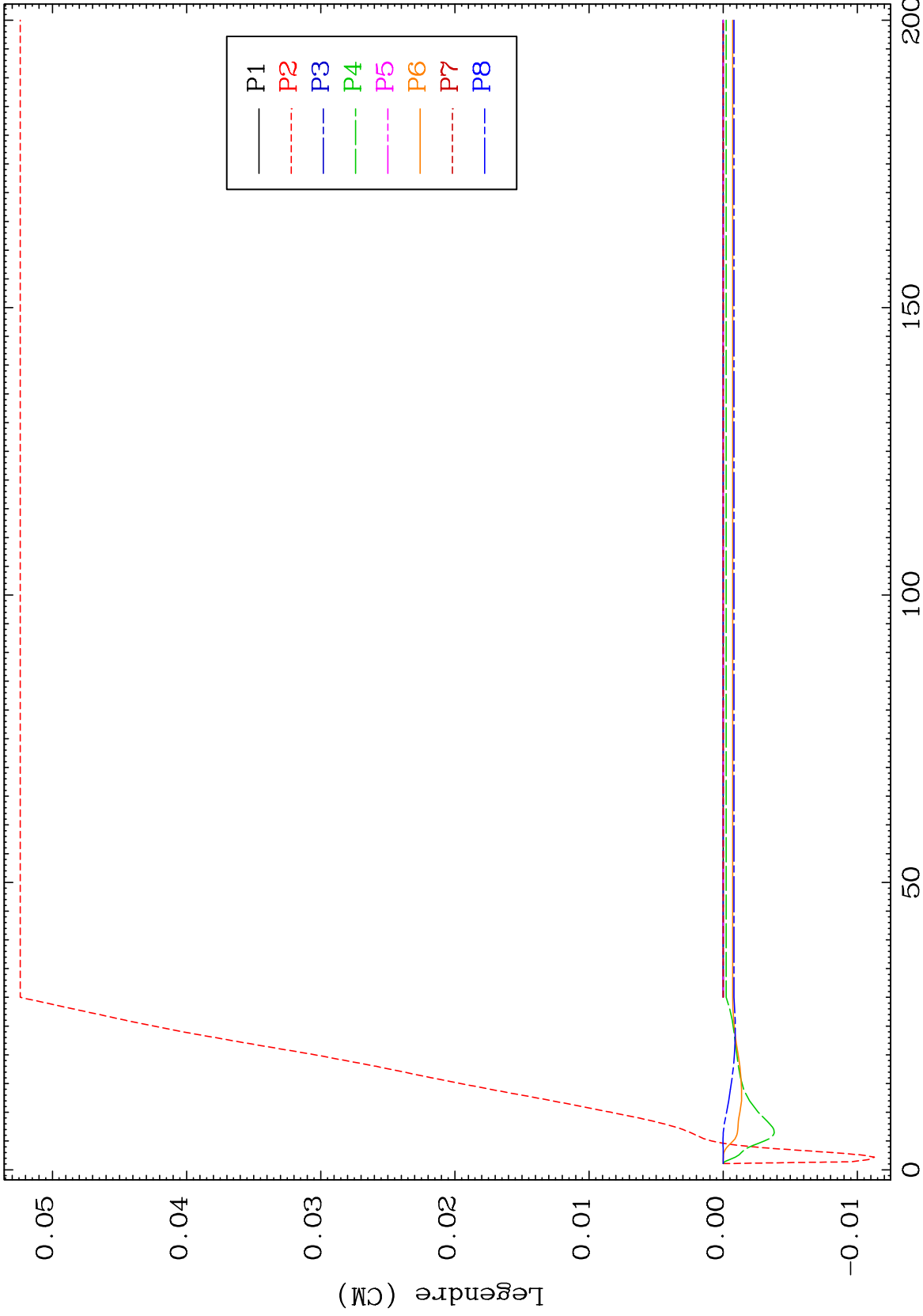
Incident Energy (MeV)

111

MAT 5110

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

51-Sb-116



112

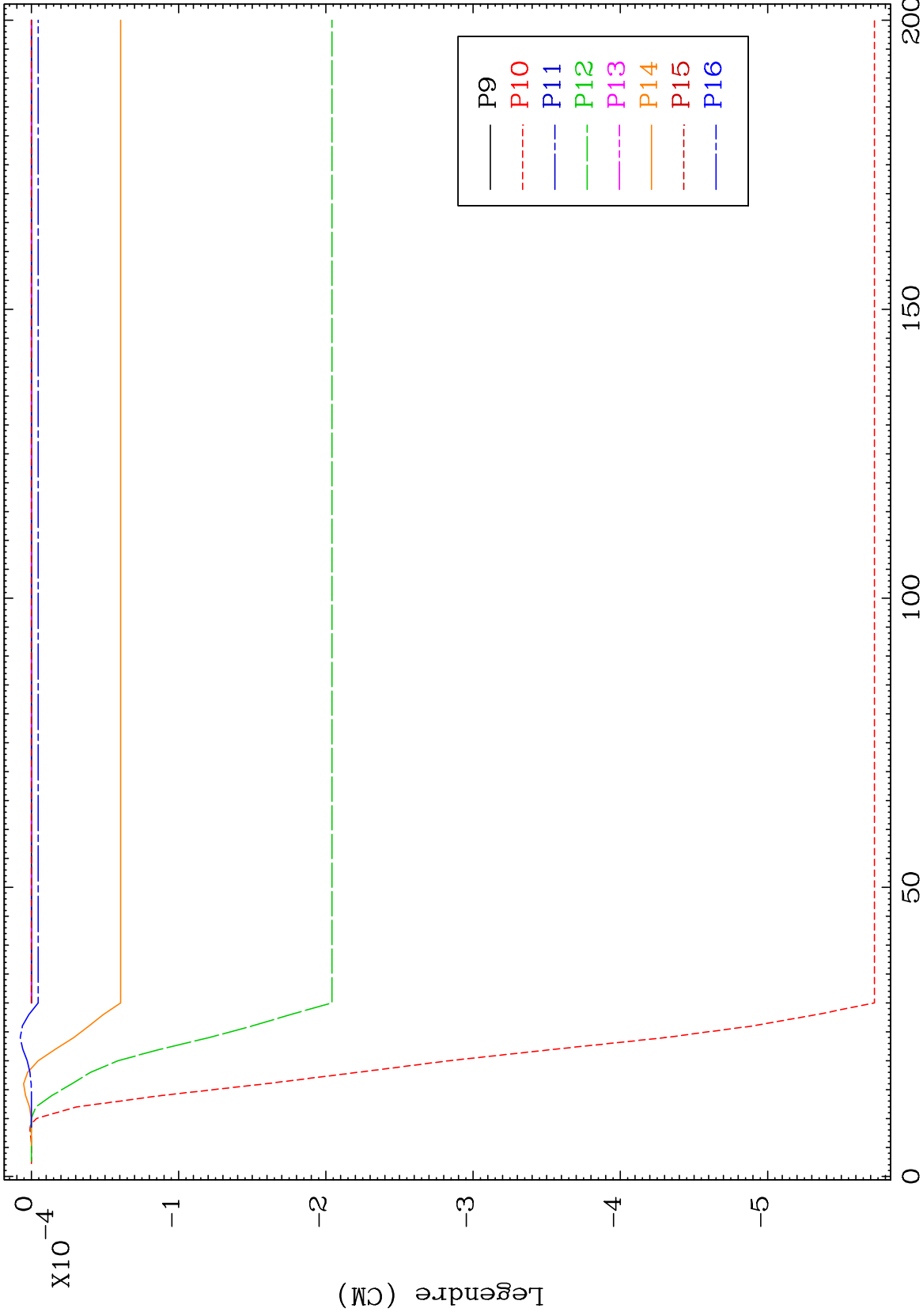
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116

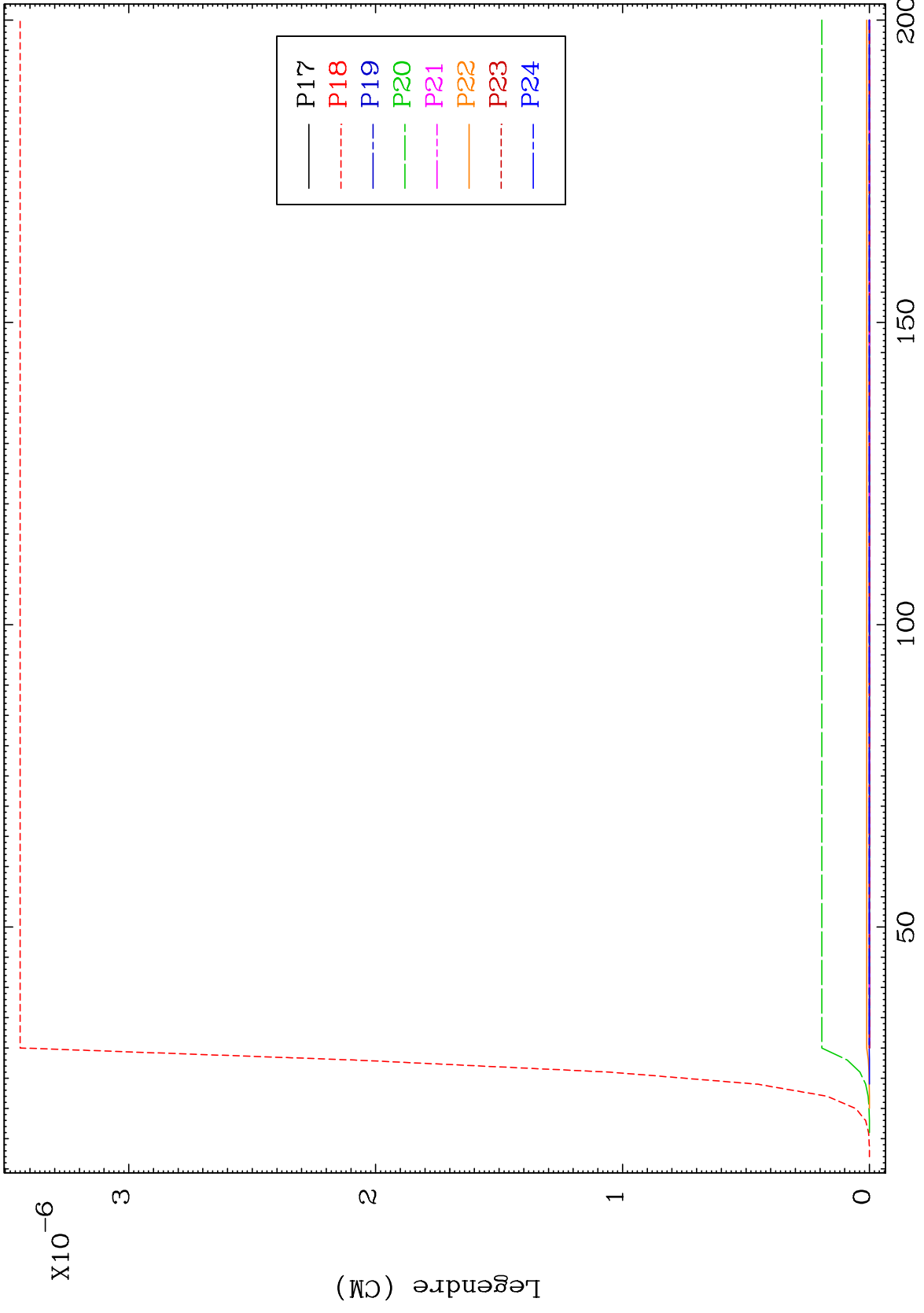


113

Incident Energy (MeV)

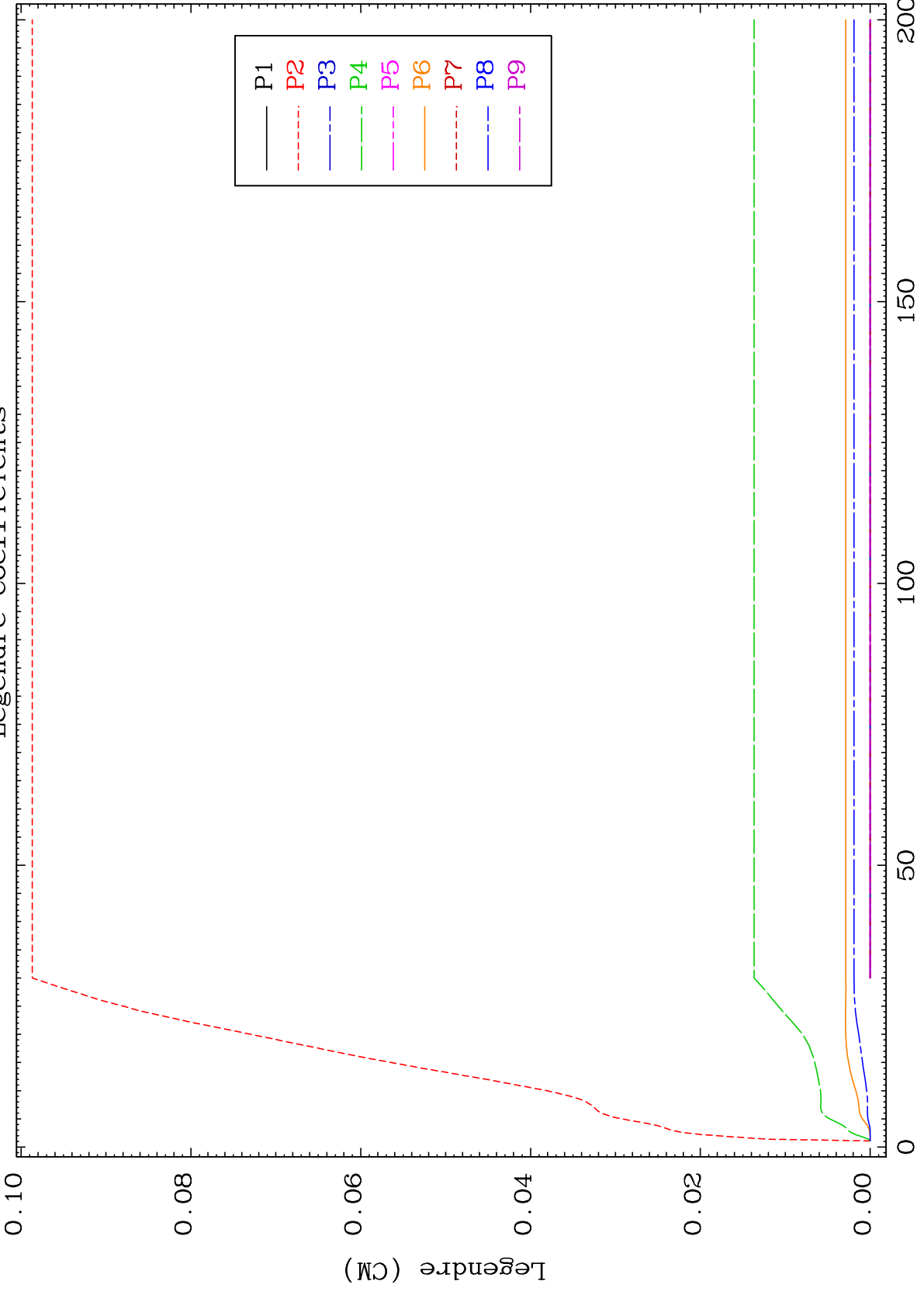
51-Sb-116

MAT 5110 MT= 78 (n,n') Level Legendre Coefficients 51-Sb-116



114 51-Sb-116

MAT 5110 MT= 79 (n,n') Level Legendre Coefficients 51-Sb-116

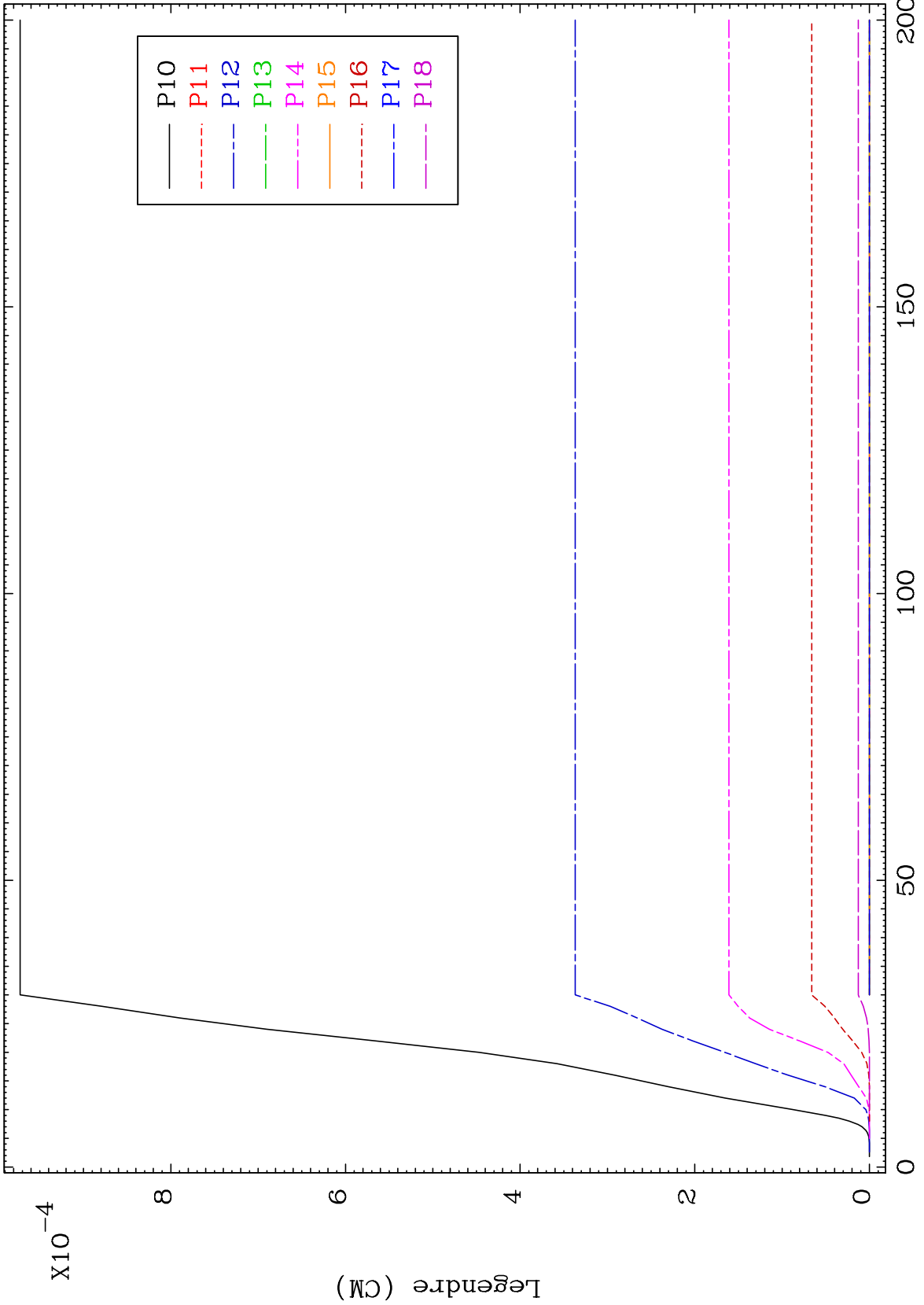


115 Incident Energy (MeV) 51-Sb-116

MAT 5110

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

51-Sb-116

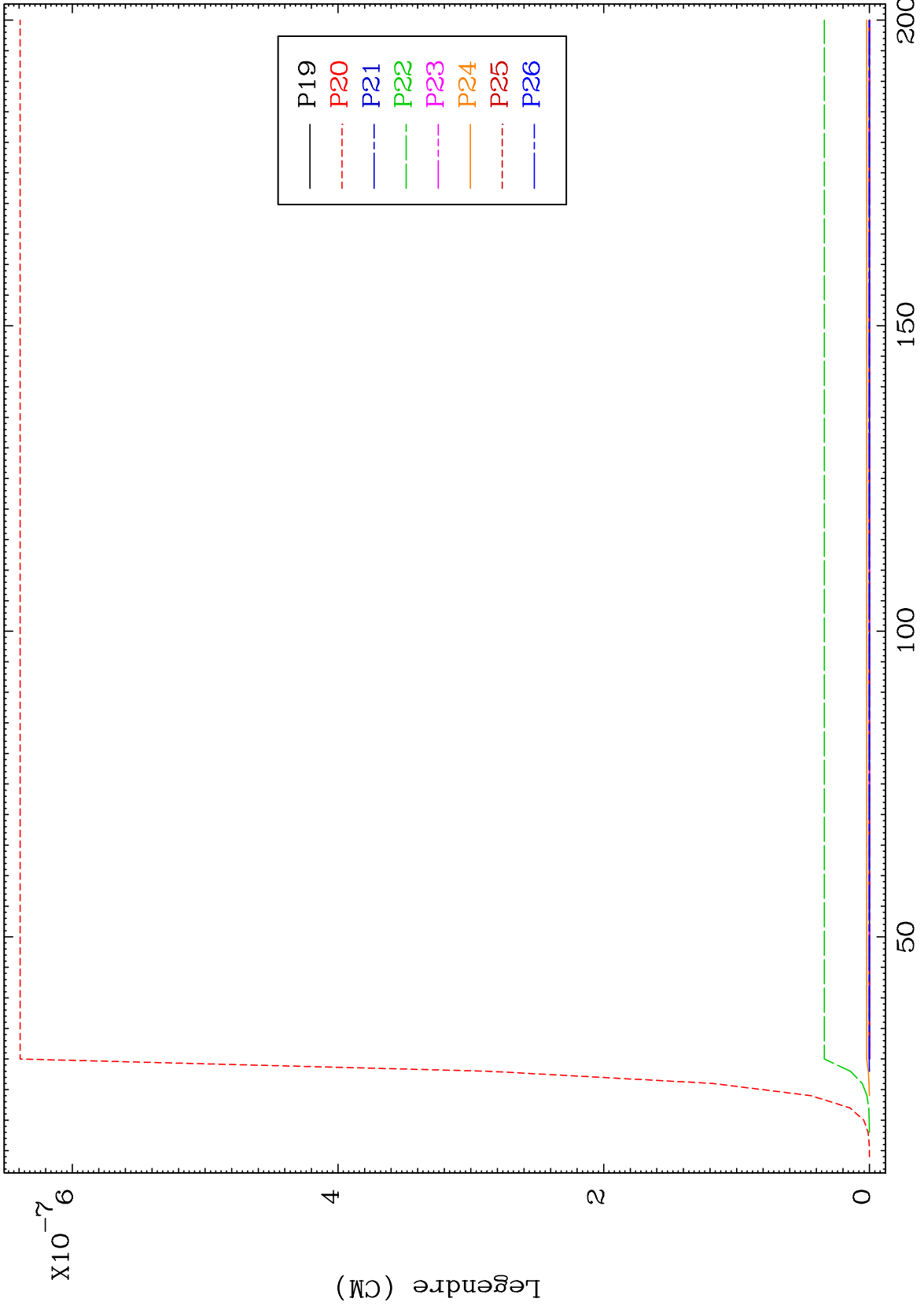


116

Incident Energy (MeV)

51-Sb-116

MAT 5110 MT= 79 (n,n') Level Legendre Coefficients 51-Sb-116

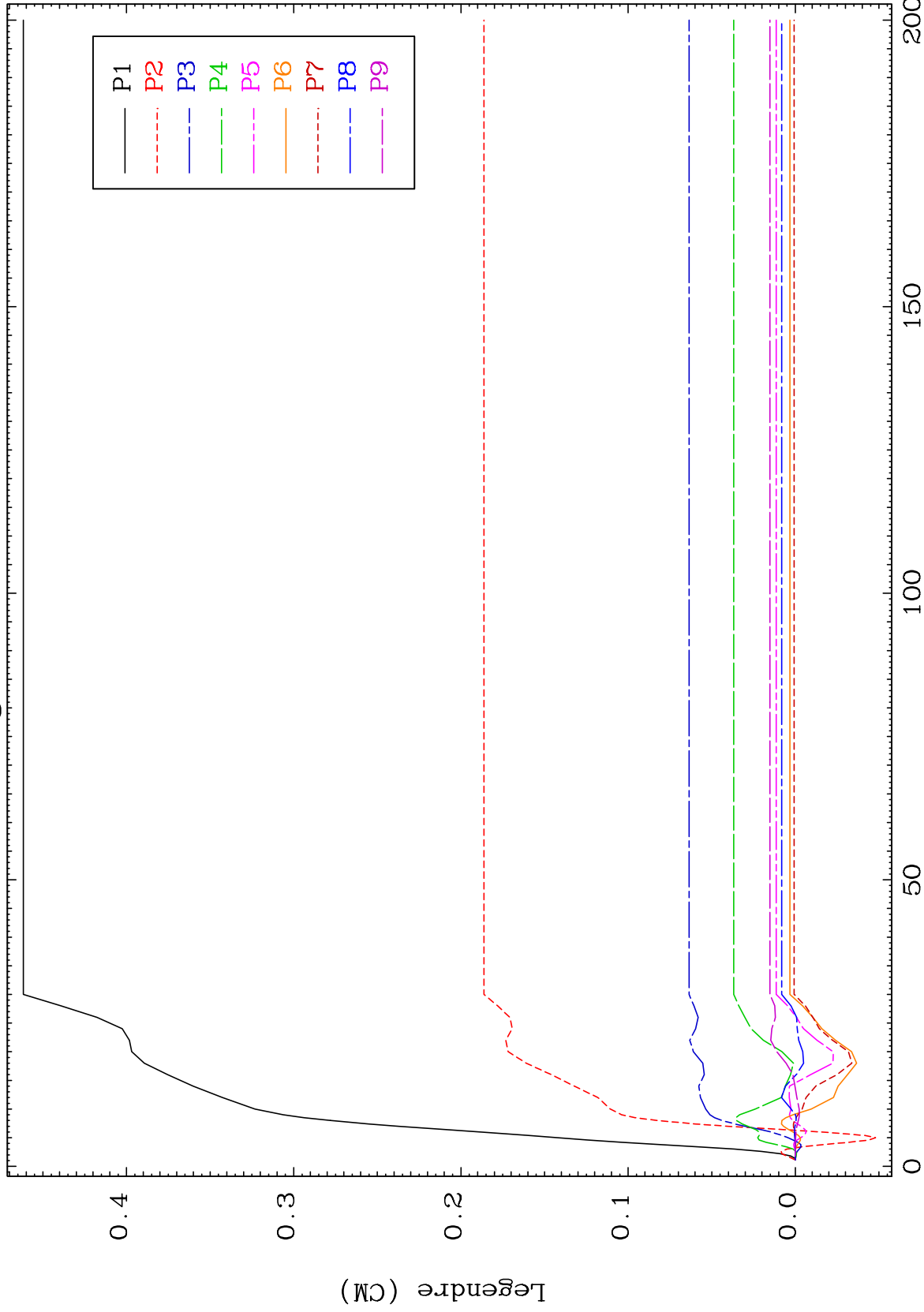


117 51-Sb-116

MAT 5110

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

51-Sb-116



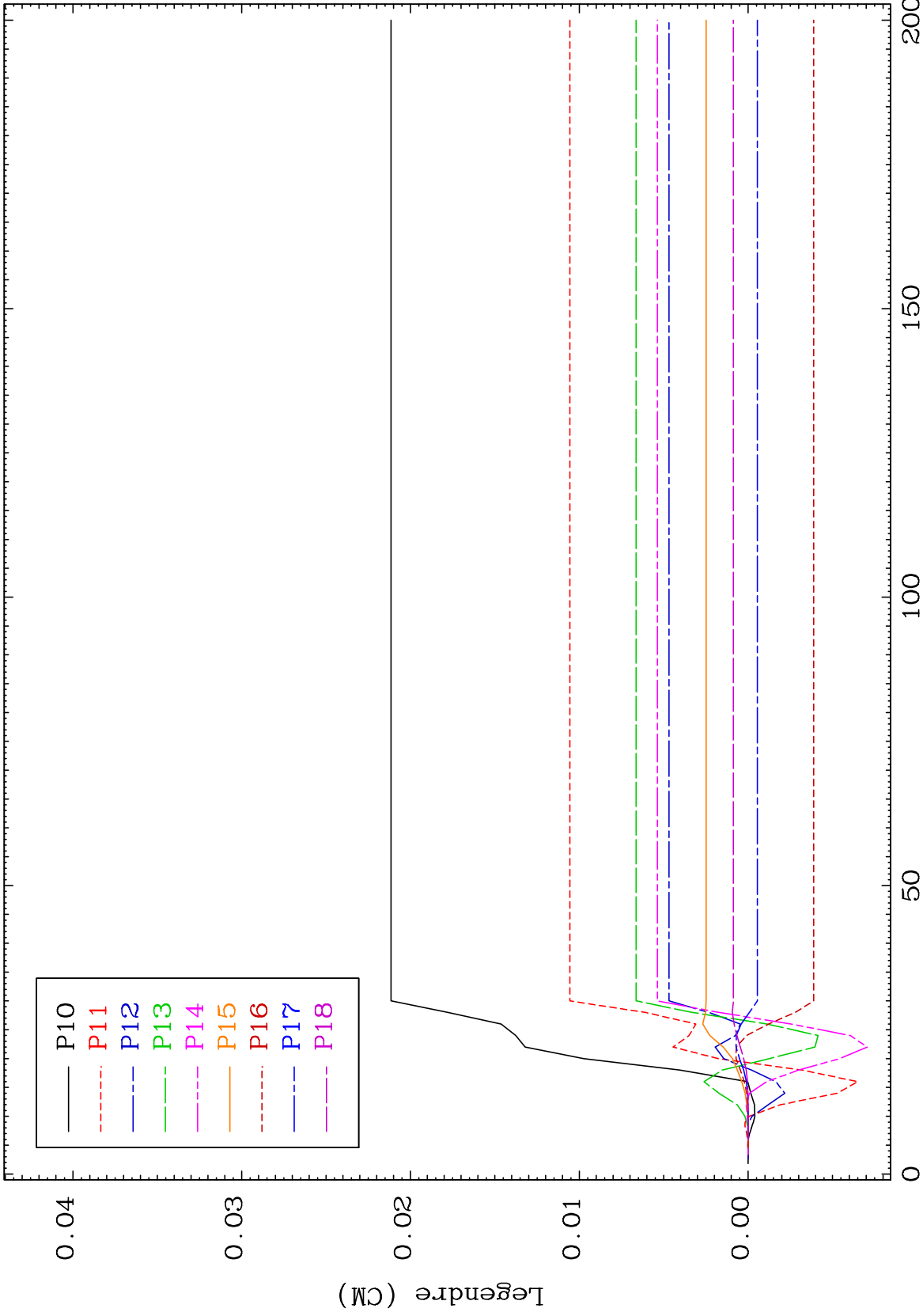
118

51-Sb-116

MAT 5110

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

51-Sb-116



119

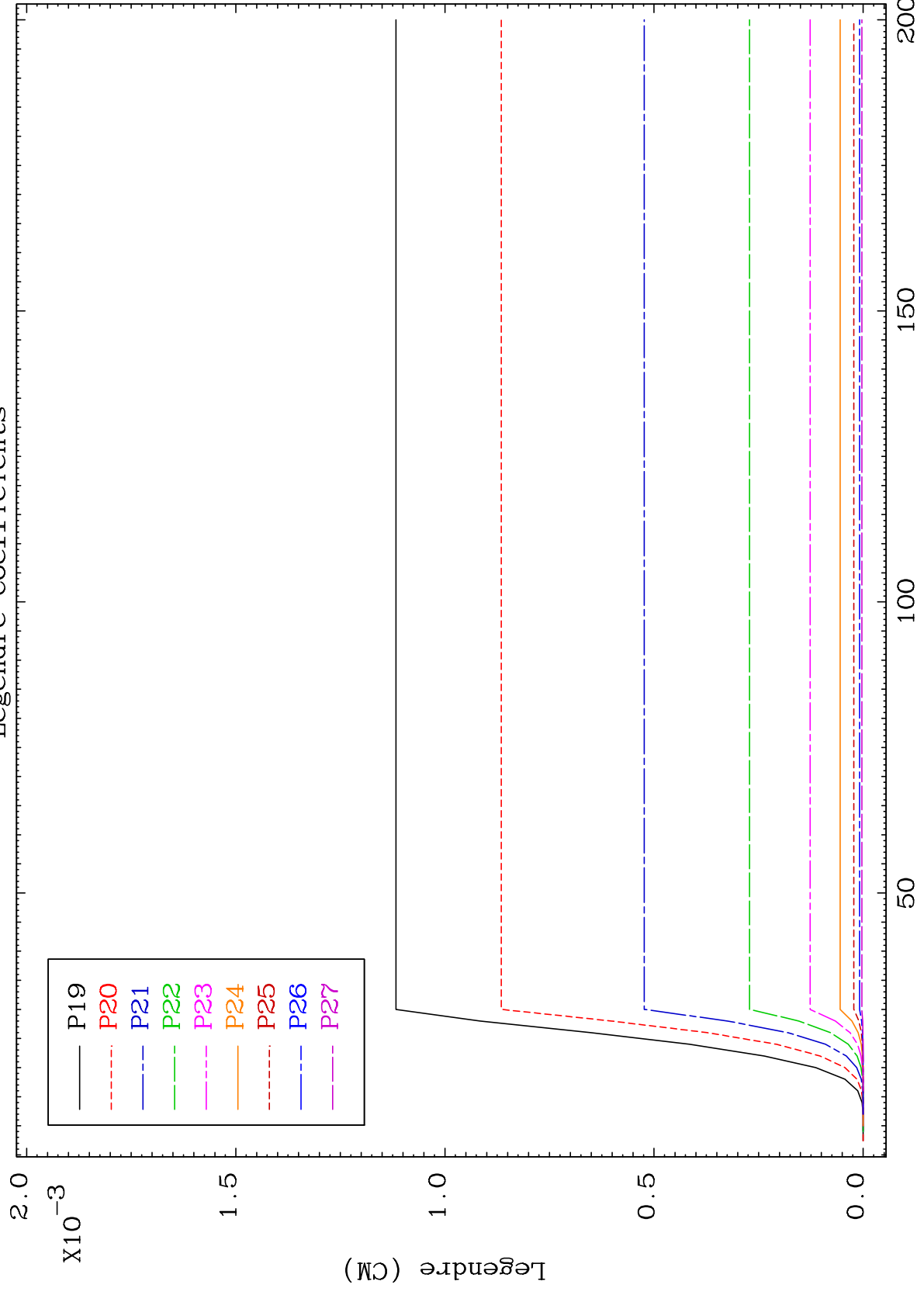
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



120

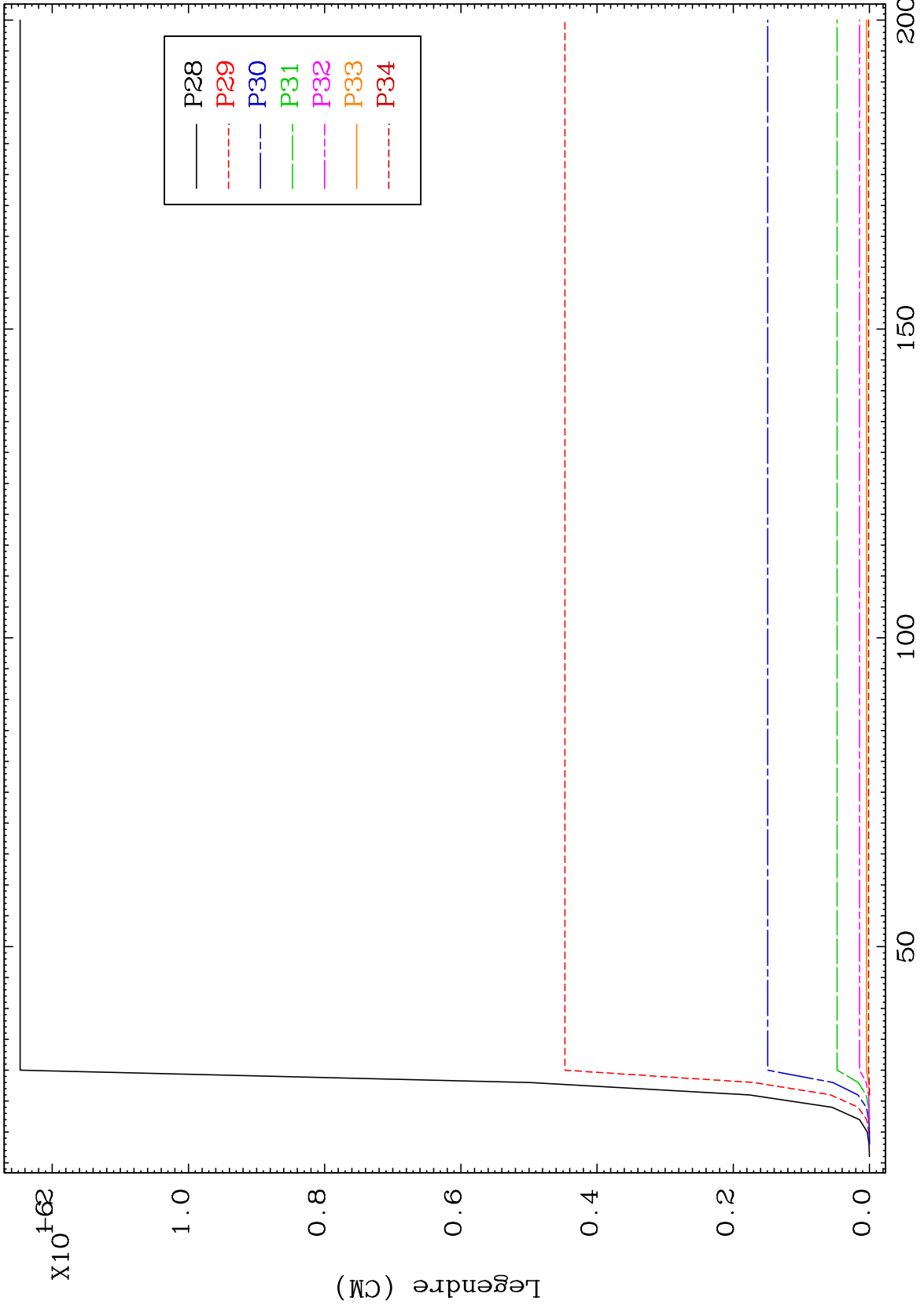
Incident Energy (MeV)

51-Sb-116

MAT 5110

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

51-Sb-116



121

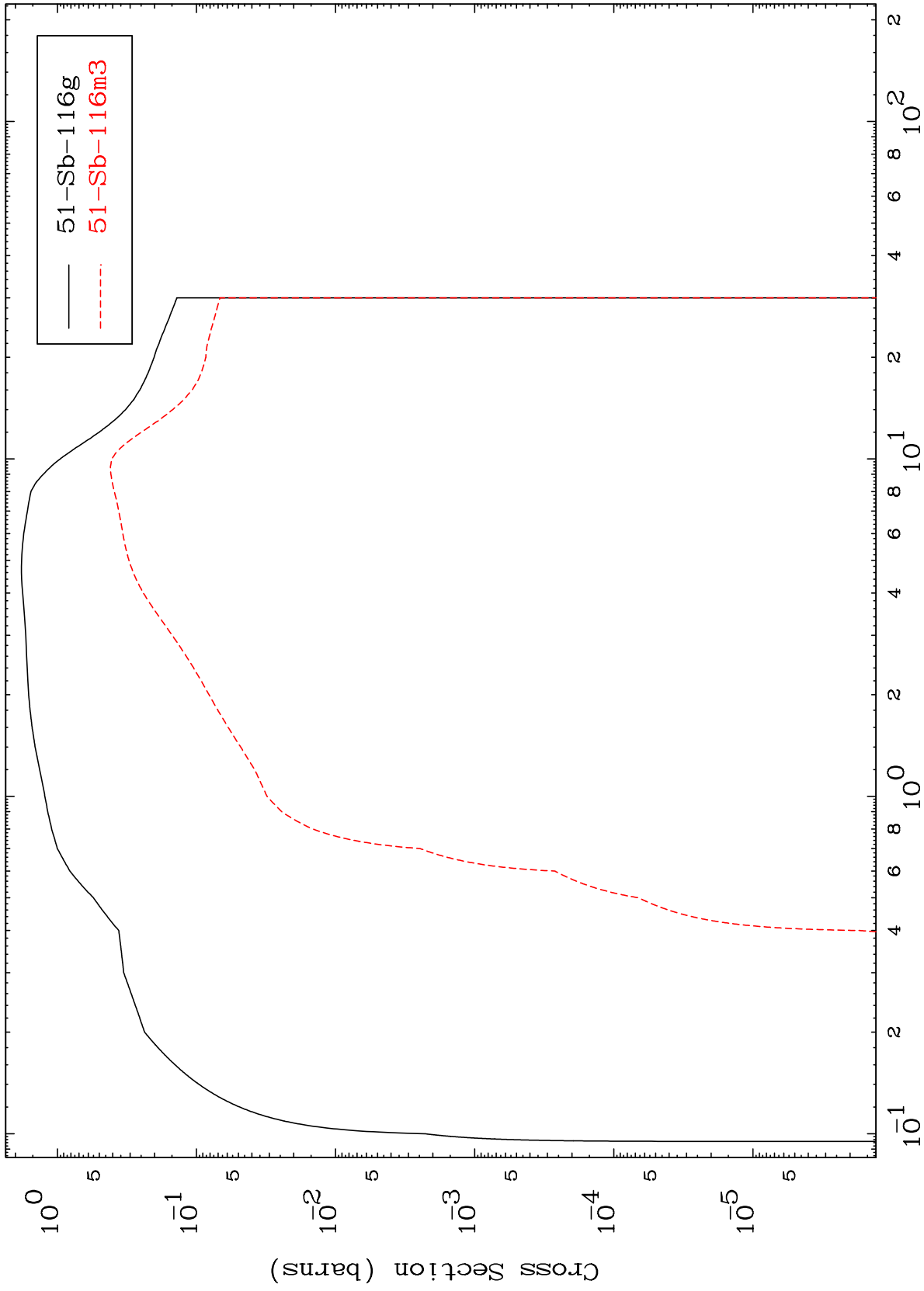
Incident Energy (MeV)

51-Sb-116

MAT 5110

51-Sb-116

Inelastic Radionuclide Production Cross Section



122

Incident Energy (MeV)

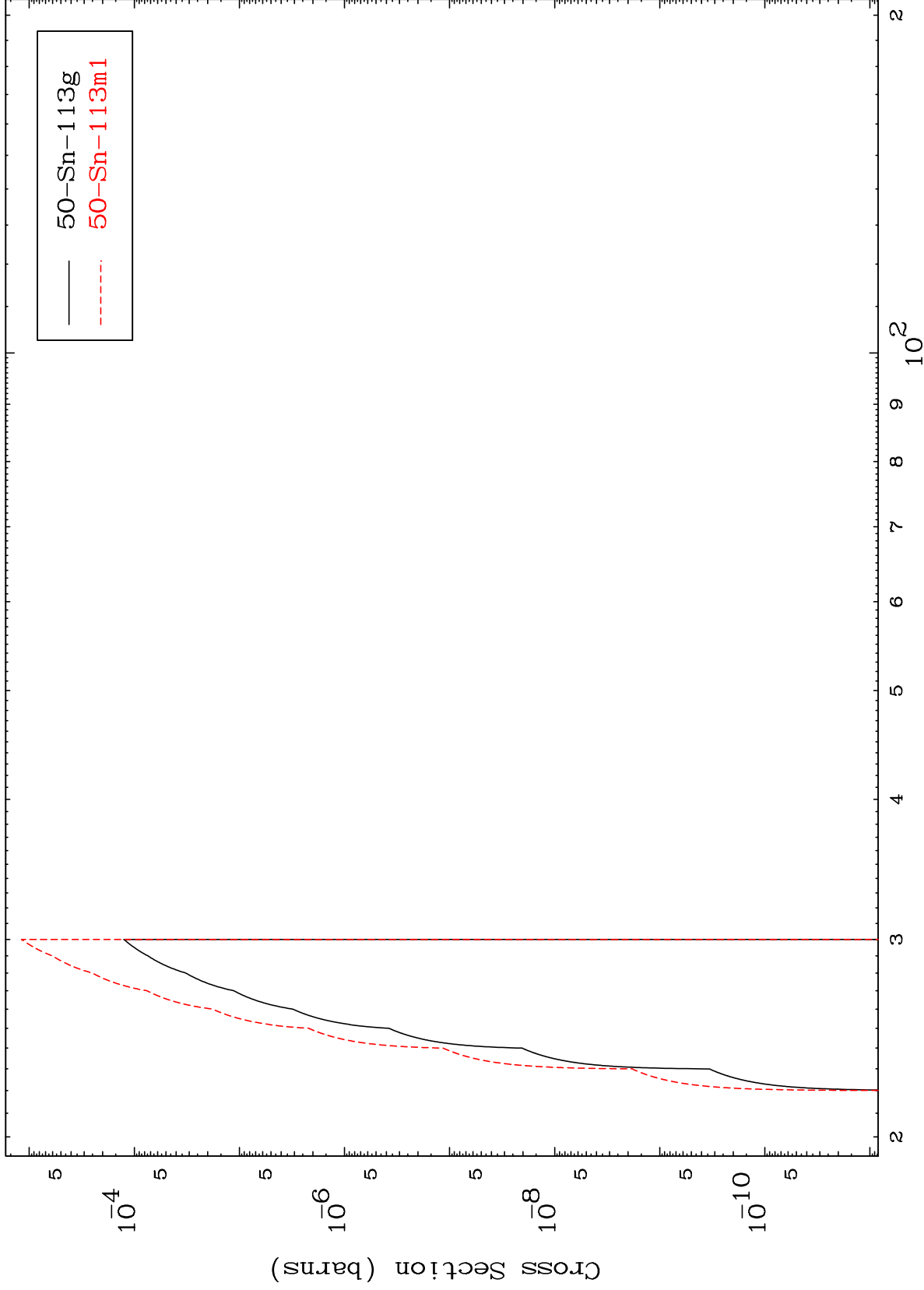
51-Sb-116

MAT 5110

(n,2n) d

51-Sb-116

Radionuclide Production Cross Section



123

Incident Energy (MeV)

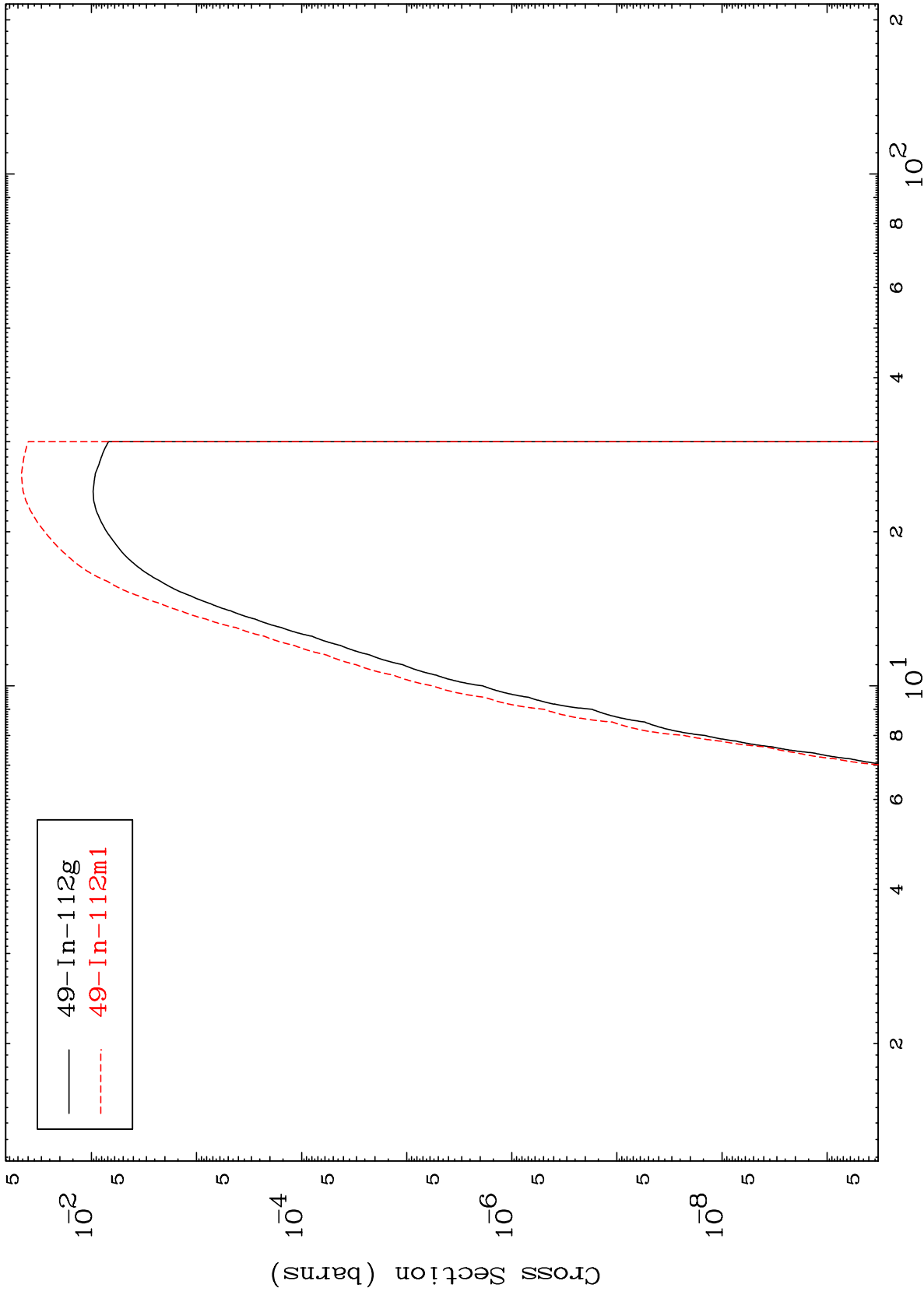
51-Sb-116

MAT 5110

(n,n') α

51-Sb-116

Radionuclide Production Cross Section



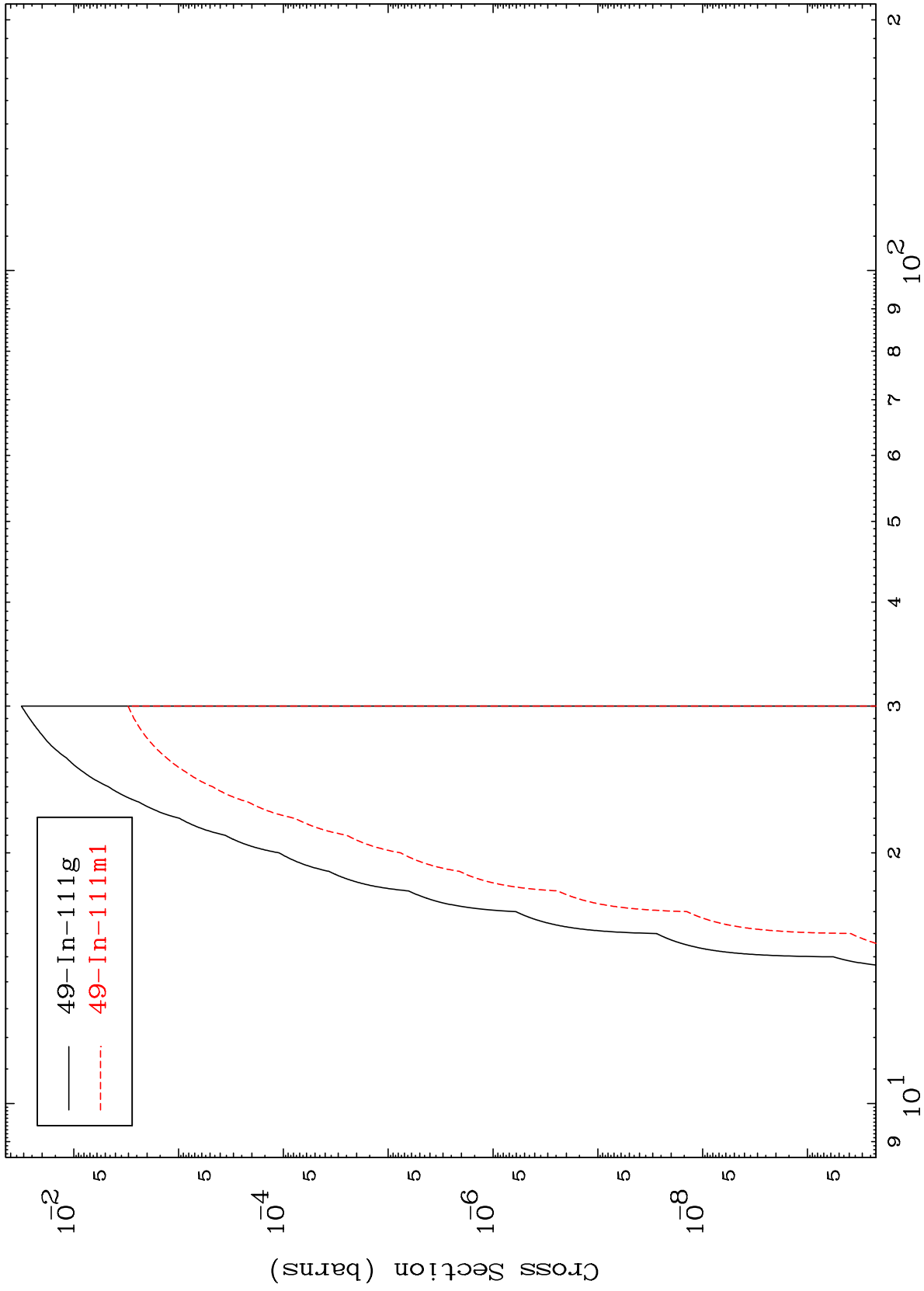
— 49-In-112g
- - - 49-In-112m1

MAT 5110

(n,2n) α

51-Sb-116

Radionuclide Production Cross Section



125

Incident Energy (MeV)

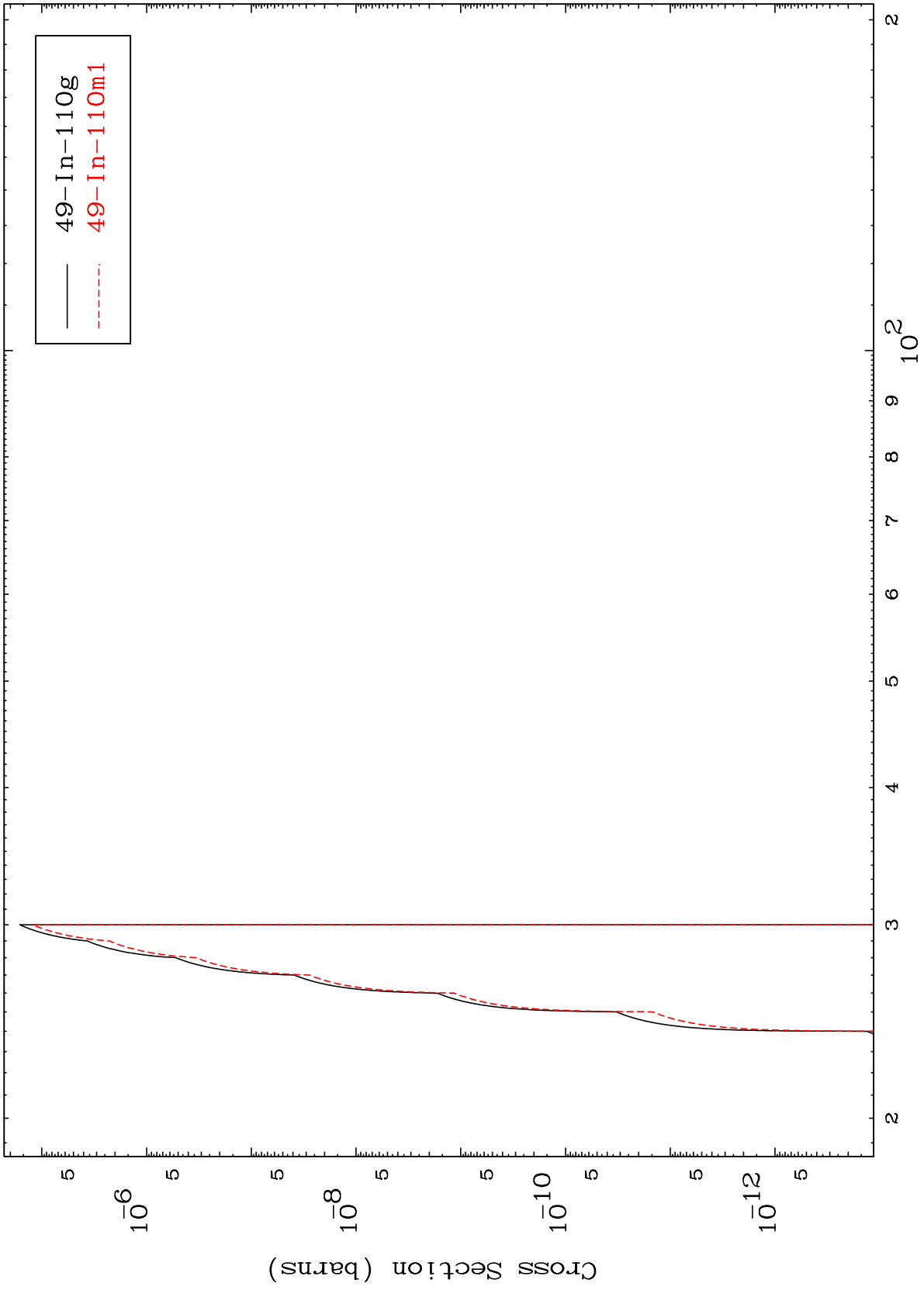
51-Sb-116

MAT 5110

(n,3n) α

51-Sb-116

Radionuclide Production Cross Section



126

Incident Energy (MeV)

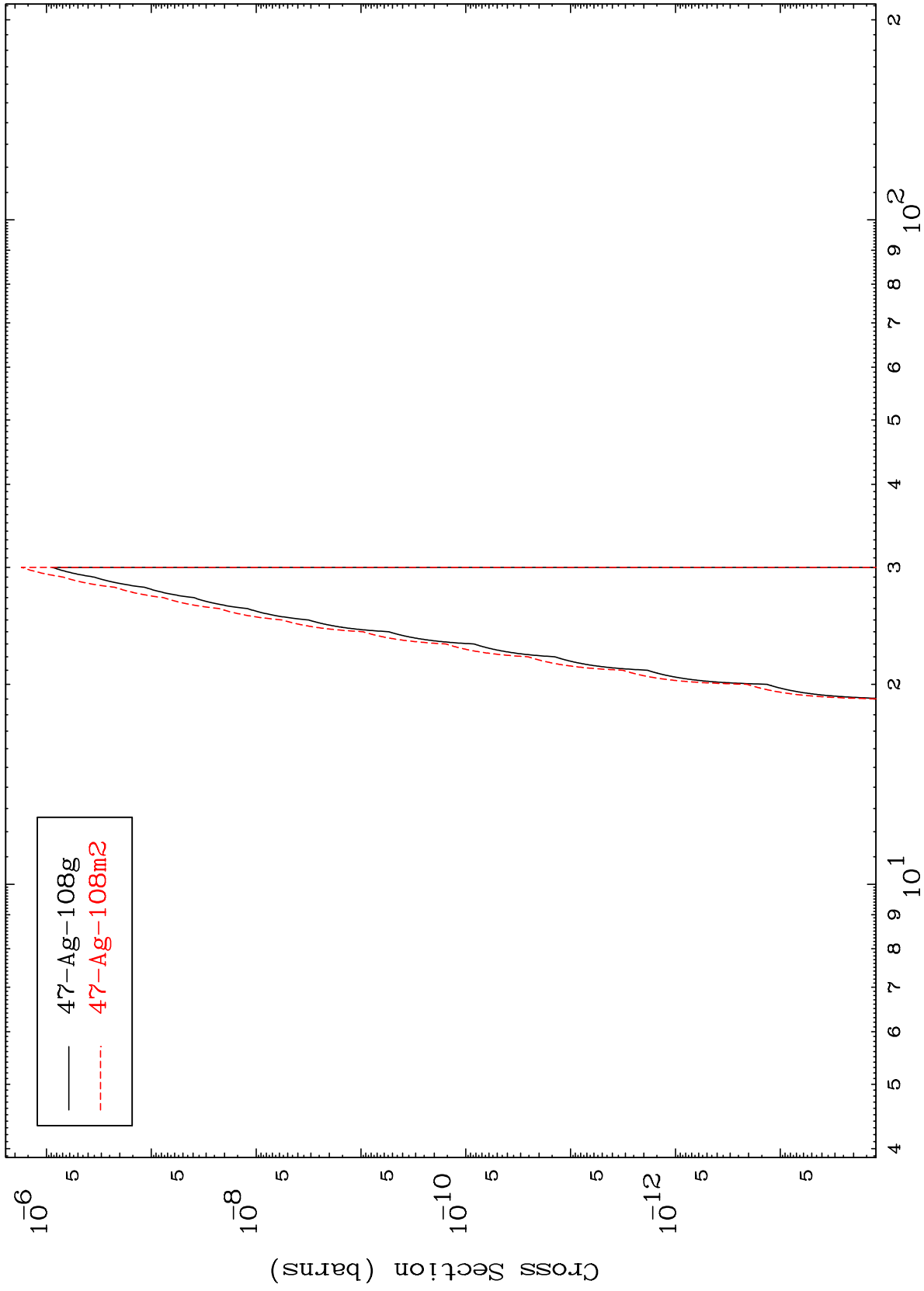
51-Sb-116

MAT 5110

(n,n') 2 α

51-Sb-116

Radionuclide Production Cross Section



127

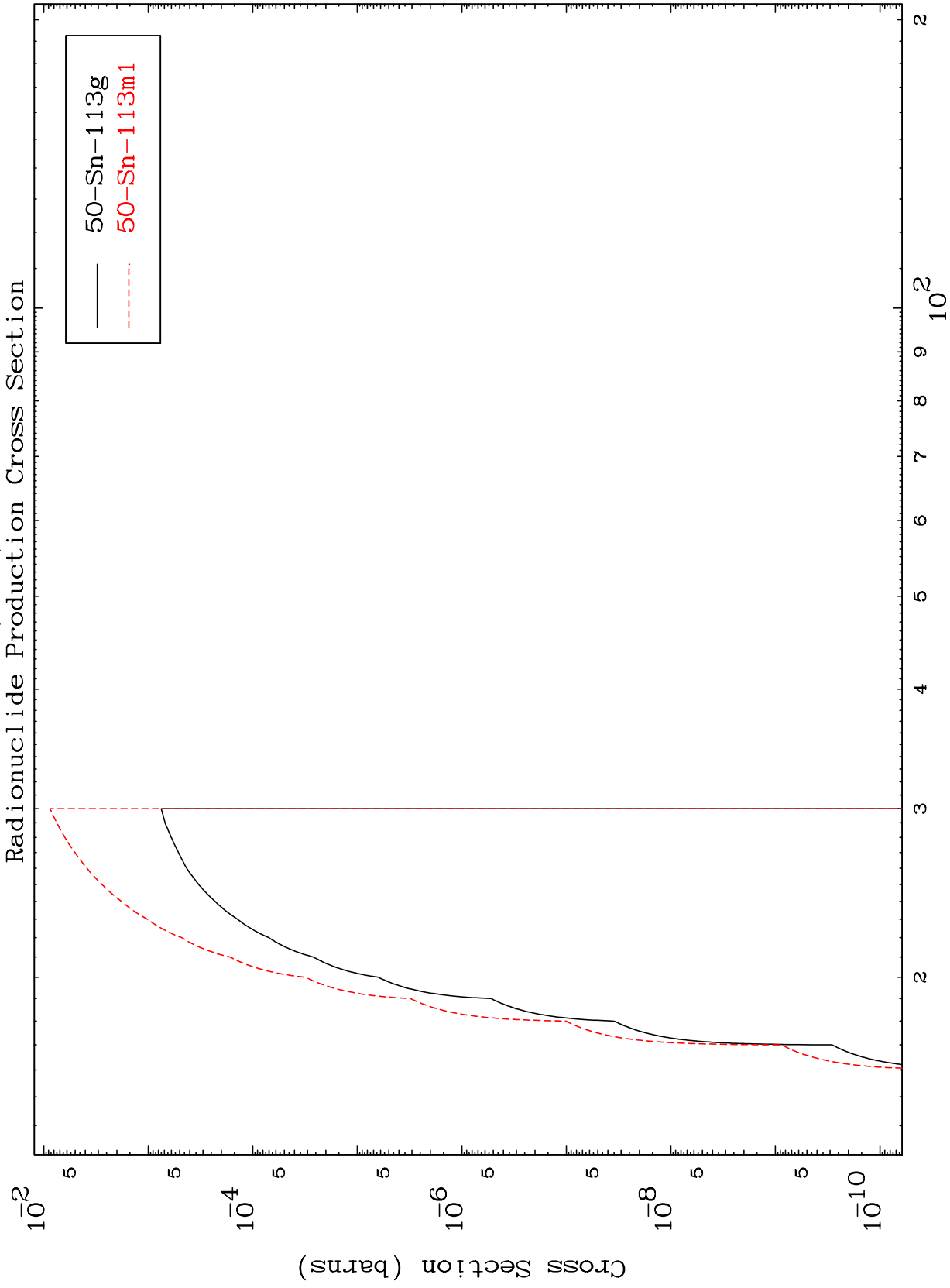
Incident Energy (MeV)

51-Sb-116

MAT 5110

(n,n') t

51-Sb-116

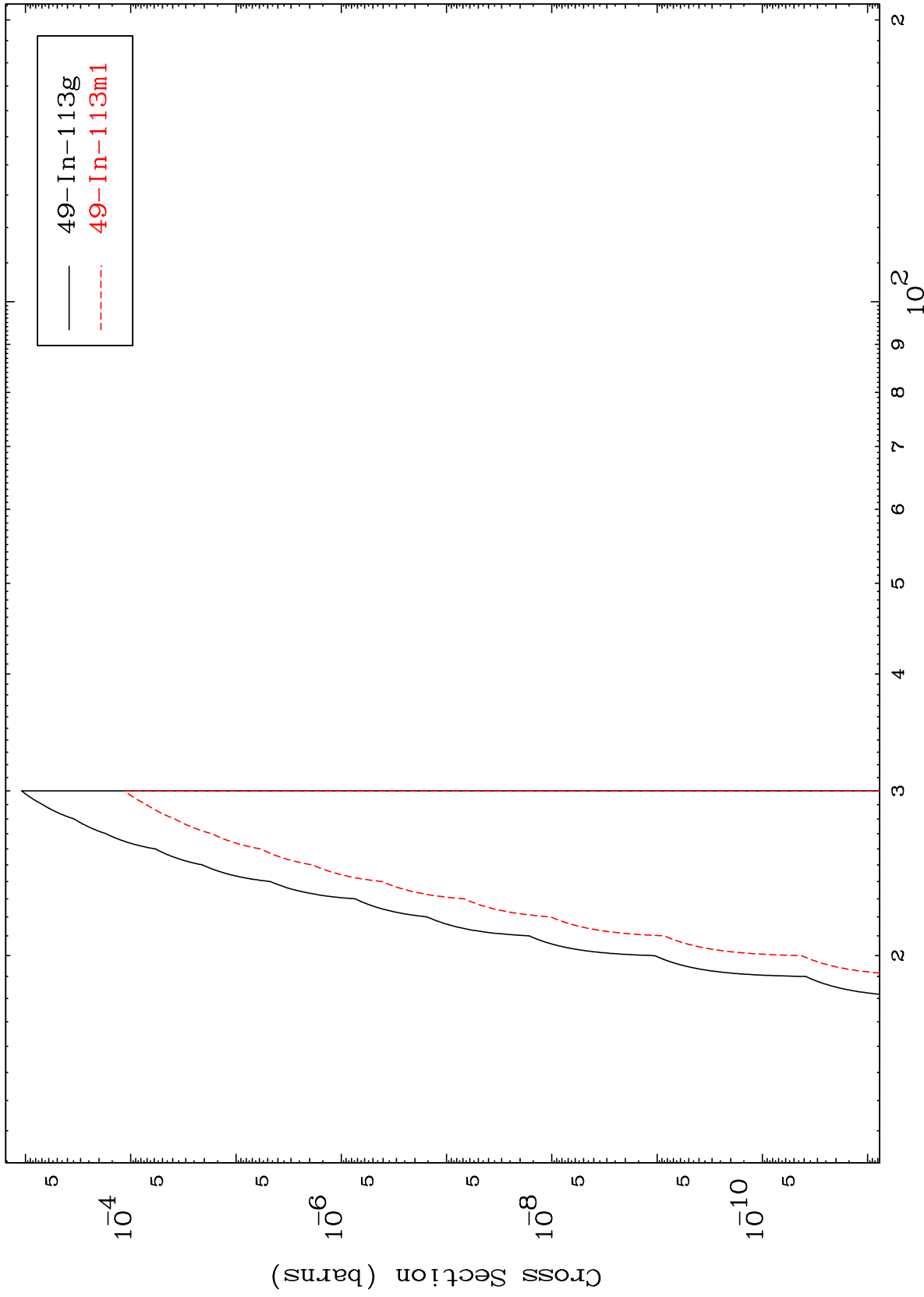


128

Incident Energy (MeV)

51-Sb-116

Radionuclide Production Cross Section

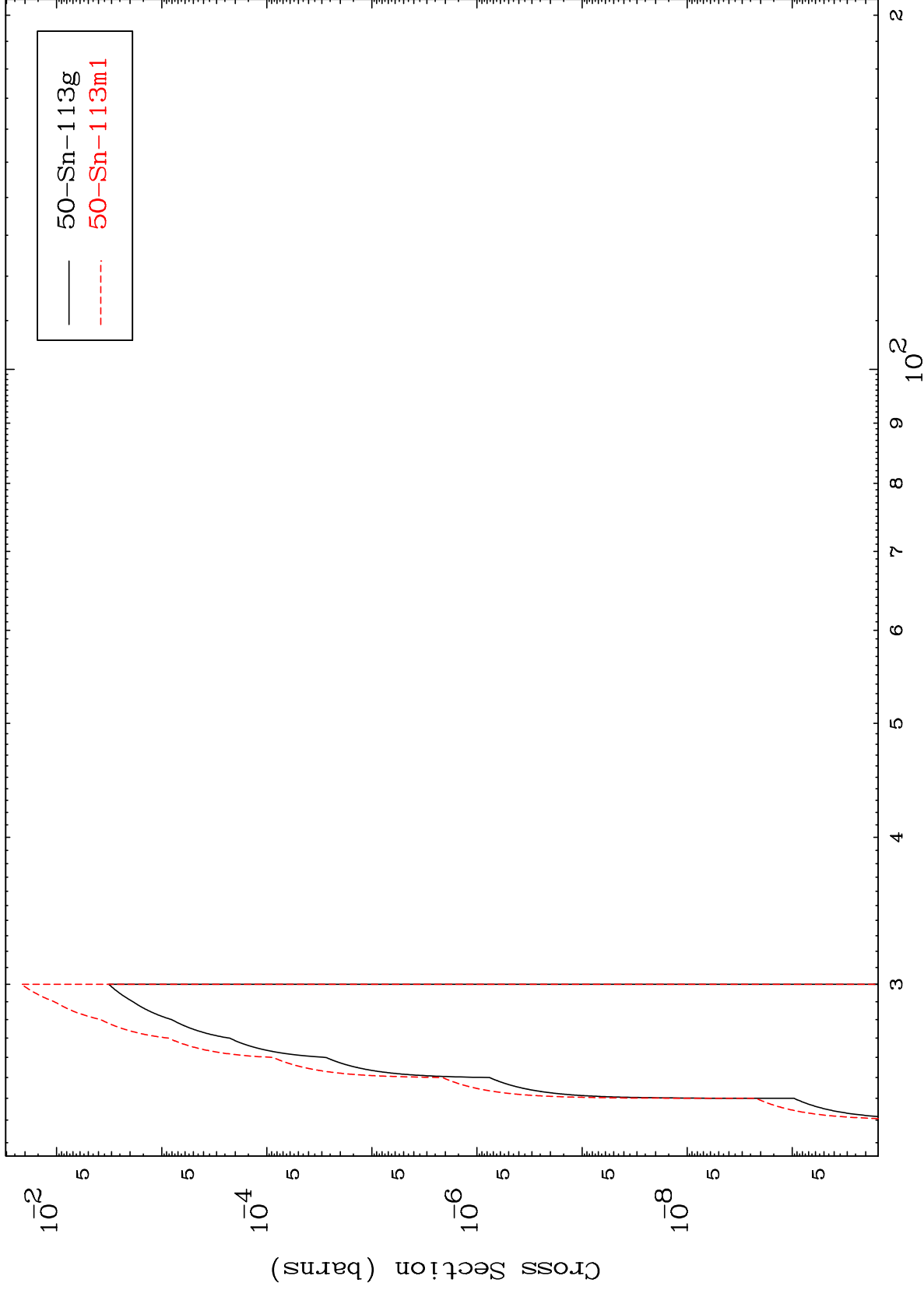


MAT 5110

(n,3n) p

51-Sb-116

Radionuclide Production Cross Section



130

Incident Energy (MeV)

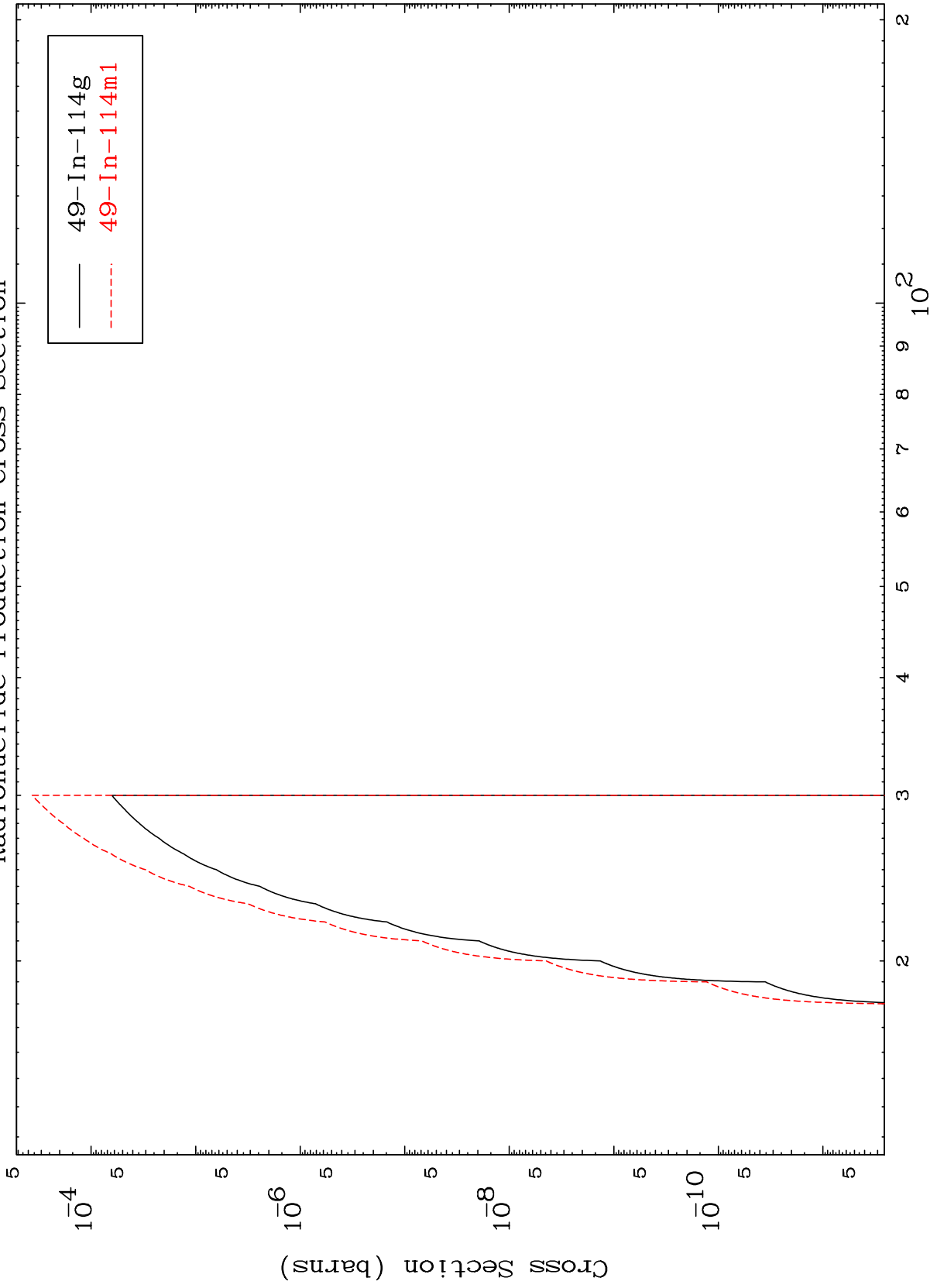
51-Sb-116

MAT 5110

(n,2n) p

51-Sb-116

Radionuclide Production Cross Section



131

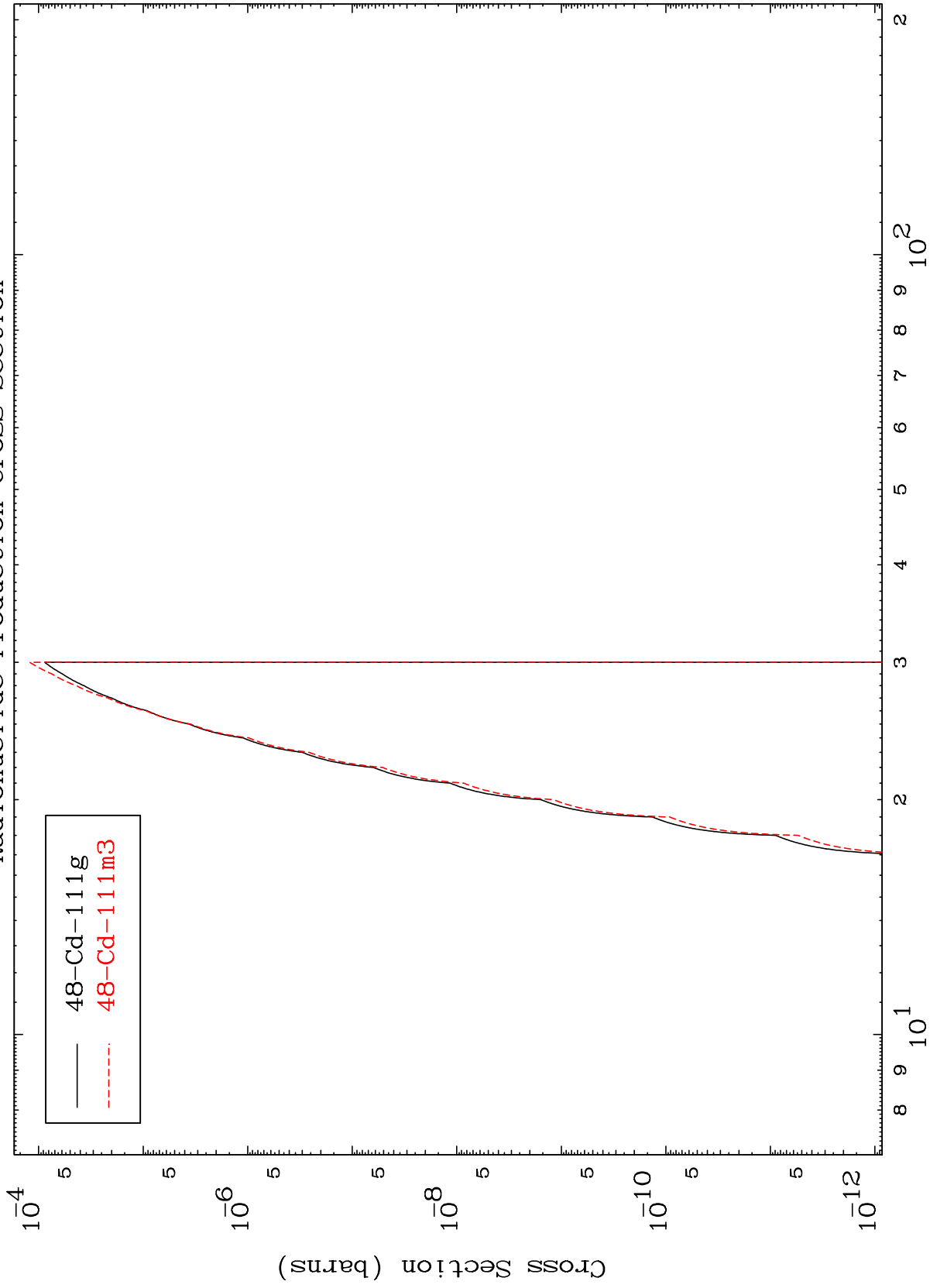
Incident Energy (MeV)

51-Sb-116

MAT 5110

51-Sb-116

(n,n') p α
Radionuclide Production Cross Section



132

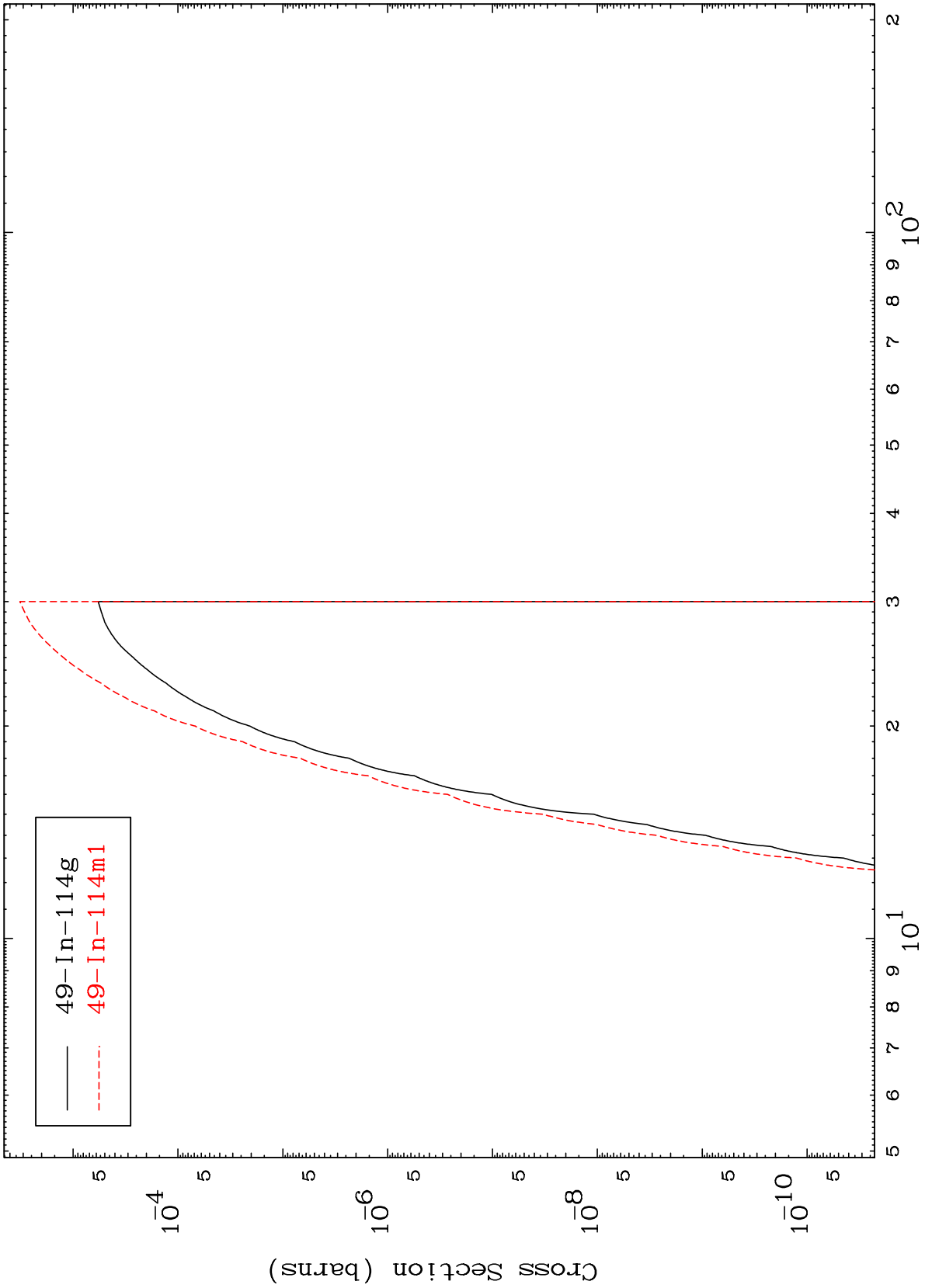
51-Sb-116

MAT 5110

(n, He-3)

51-Sb-116

Radionuclide Production Cross Section



133

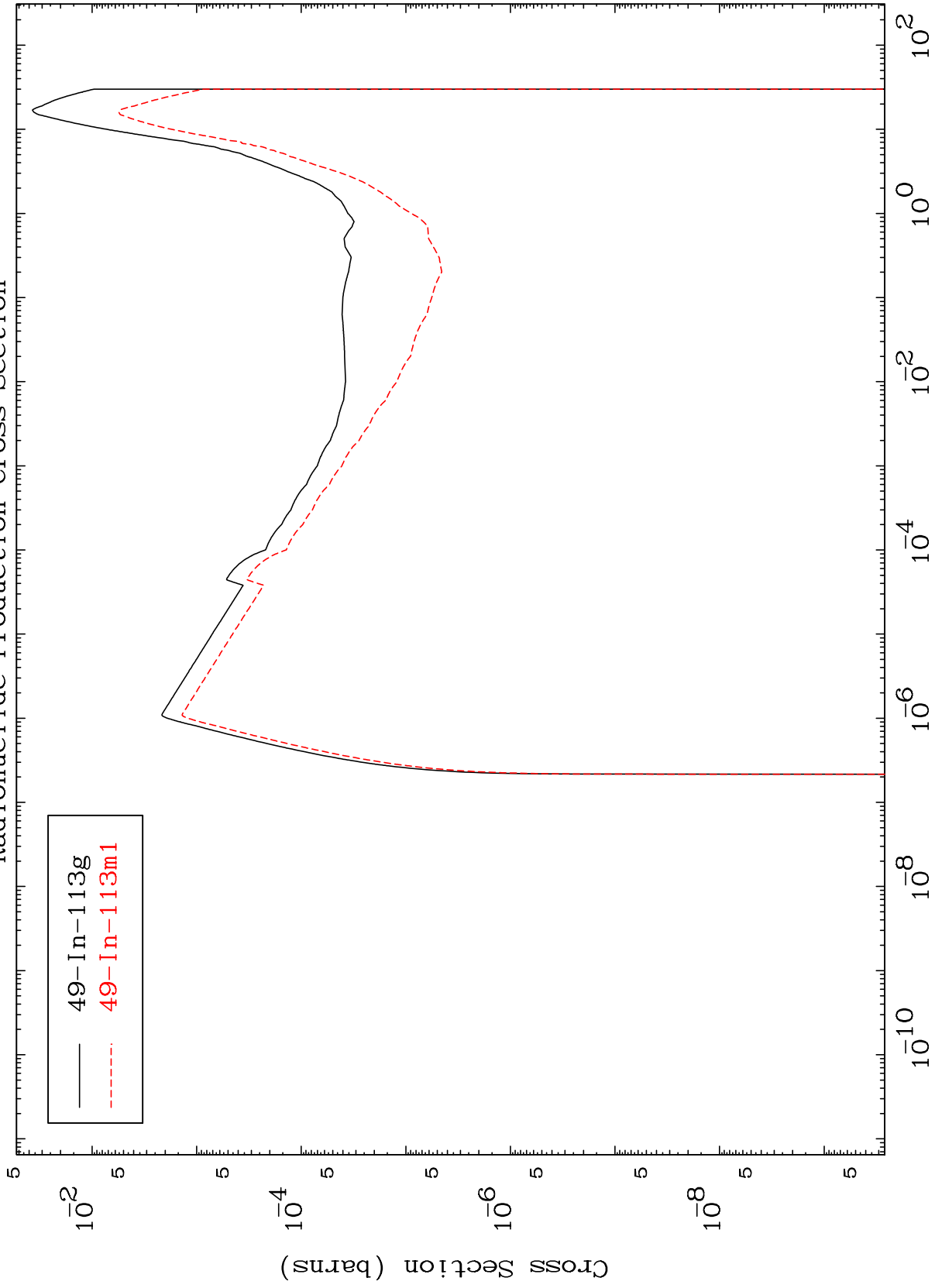
Incident Energy (MeV)

51-Sb-116

MAT 5110

Radionuclide Production Cross Section
(n, α)

51-Sb-116



134

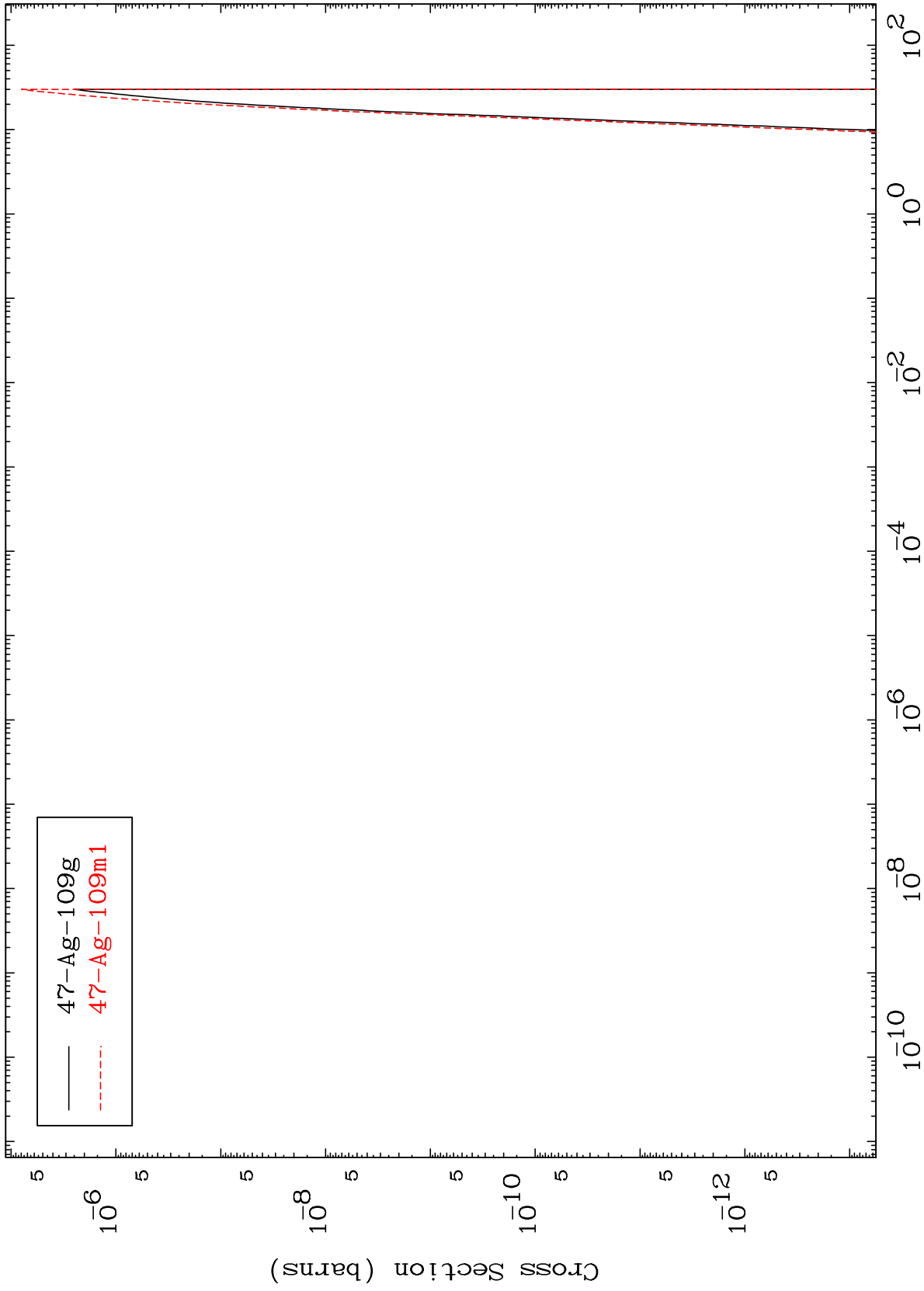
51-Sb-116

MAT 5110

(n,2α)

51-Sb-116

Radionuclide Production Cross Section



135

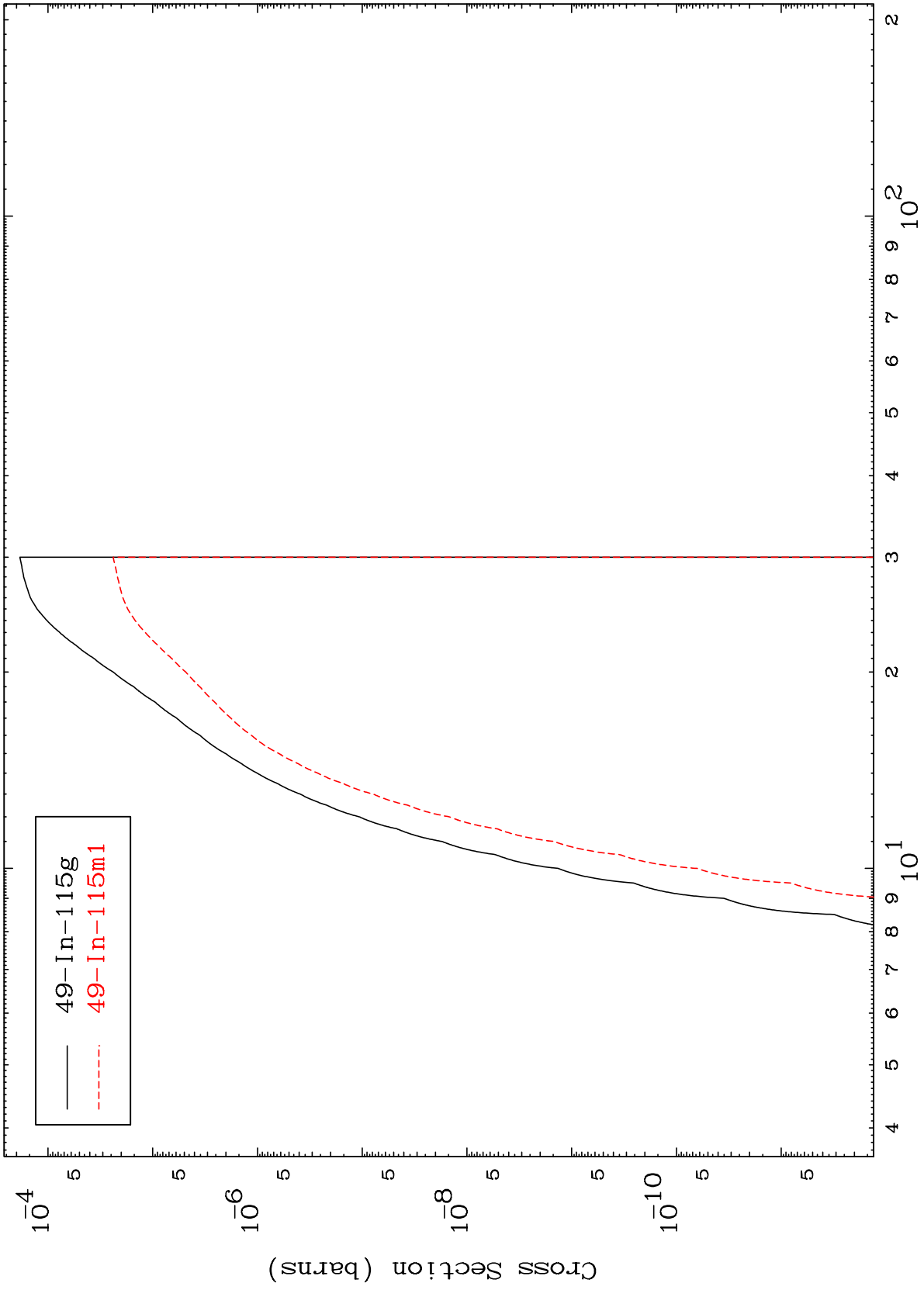
Incident Energy (MeV)

51-Sb-116

MAT 5110

51-Sb-116

Radionuclide Production Cross Section
(n,2p)



136

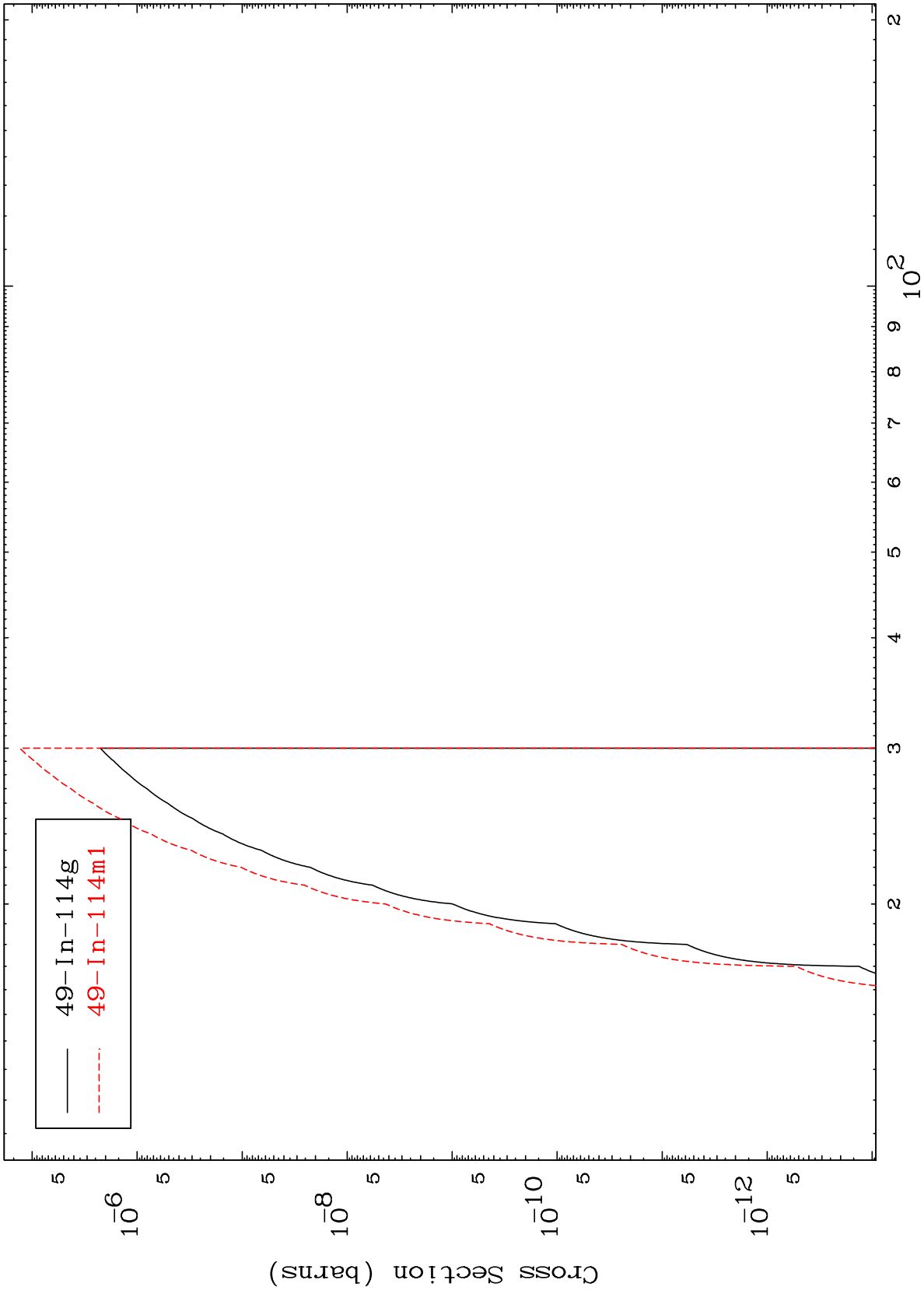
51-Sb-116

MAT 5110

(n,p) d

51-Sb-116

Radionuclide Production Cross Section



137

Incident Energy (MeV)

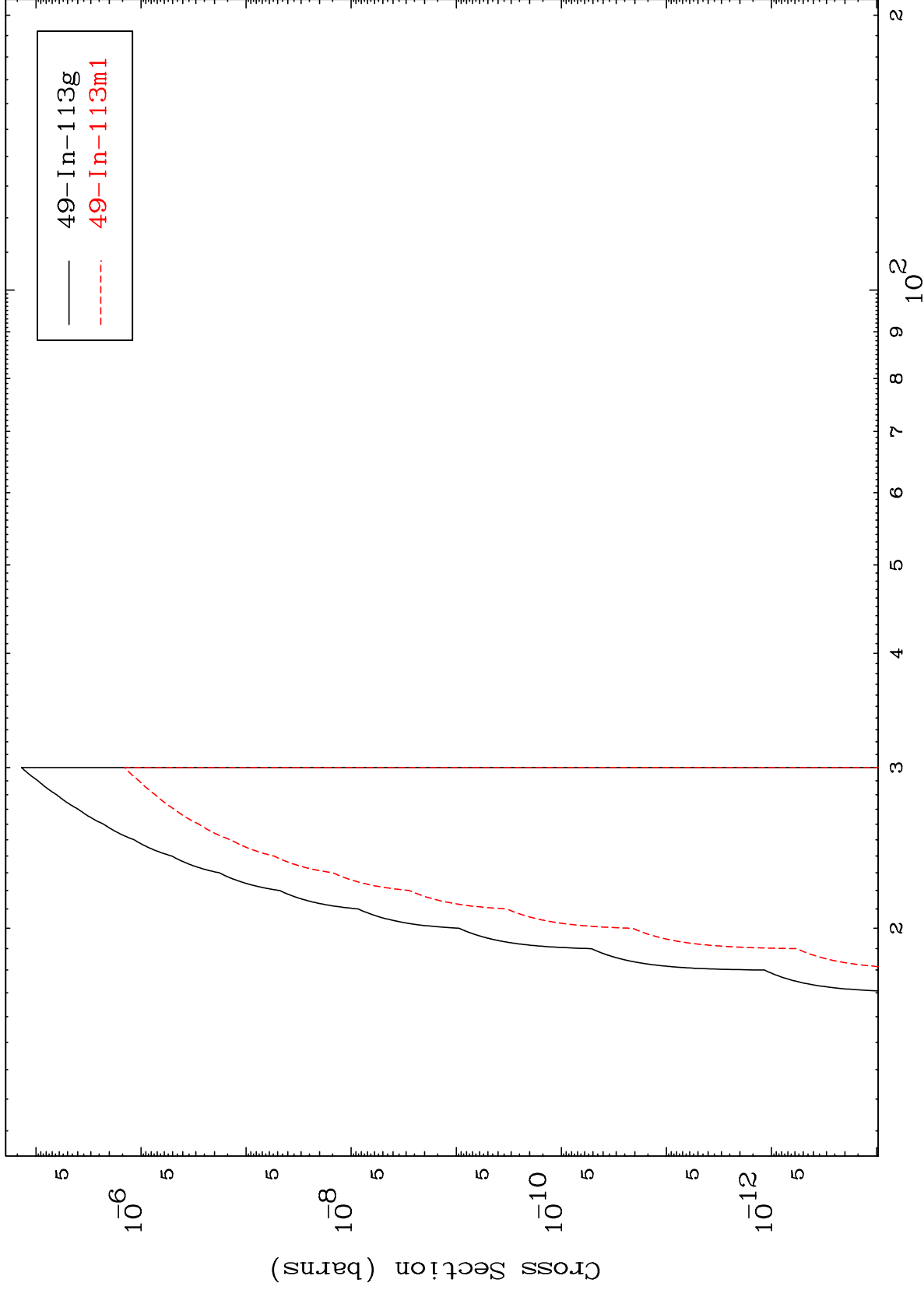
51-Sb-116

MAT 5110

(n,p) t

51-Sb-116

Radionuclide Production Cross Section



138

Incident Energy (MeV)

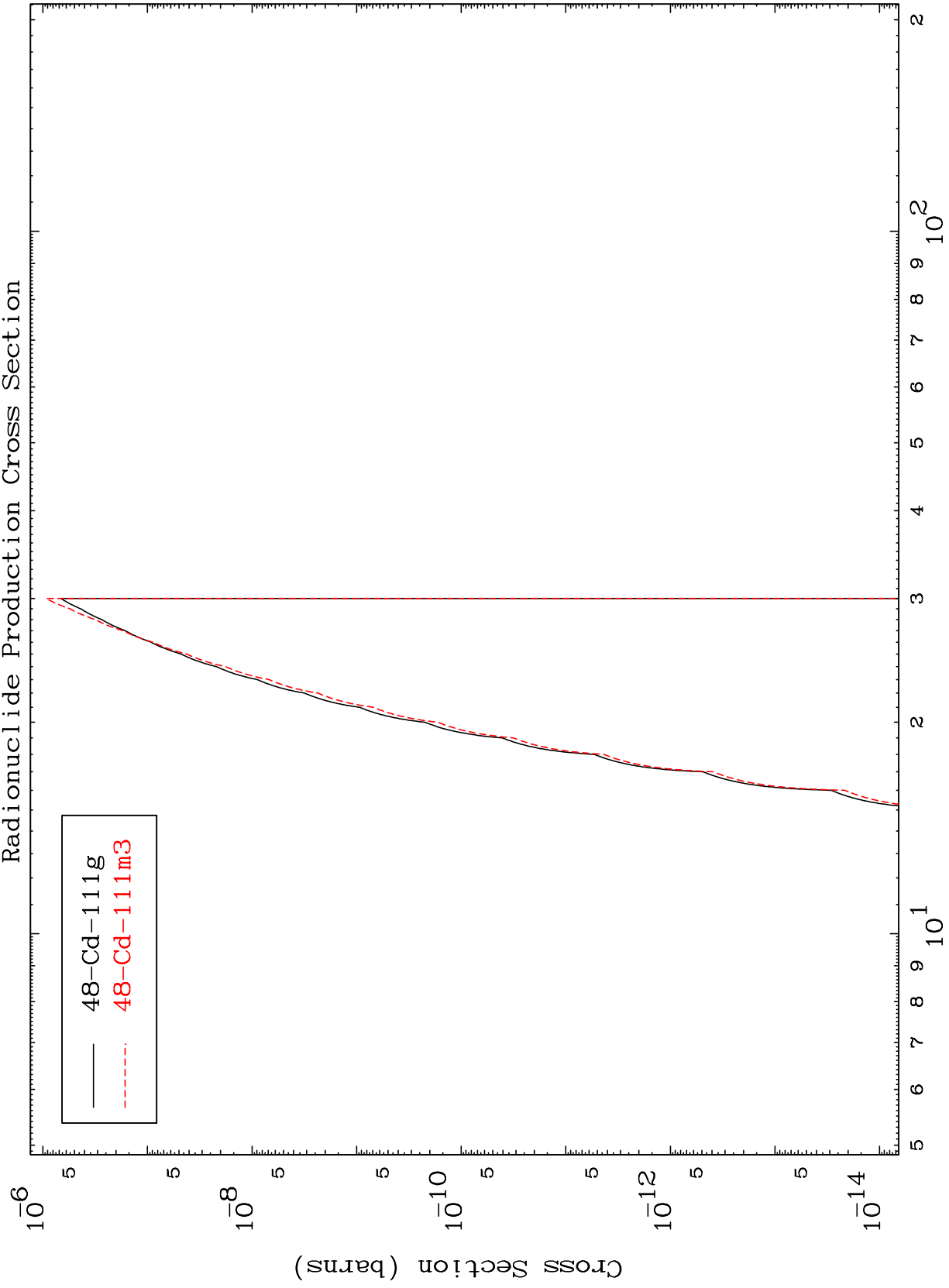
51-Sb-116

MAT 5110

(n,d) α

51-Sb-116

Radionuclide Production Cross Section



48-Cd-111g
48-Cd-111m3

139

Incident Energy (MeV)

51-Sb-116