

Program EVALPLOT
(Version 2017-1)

by

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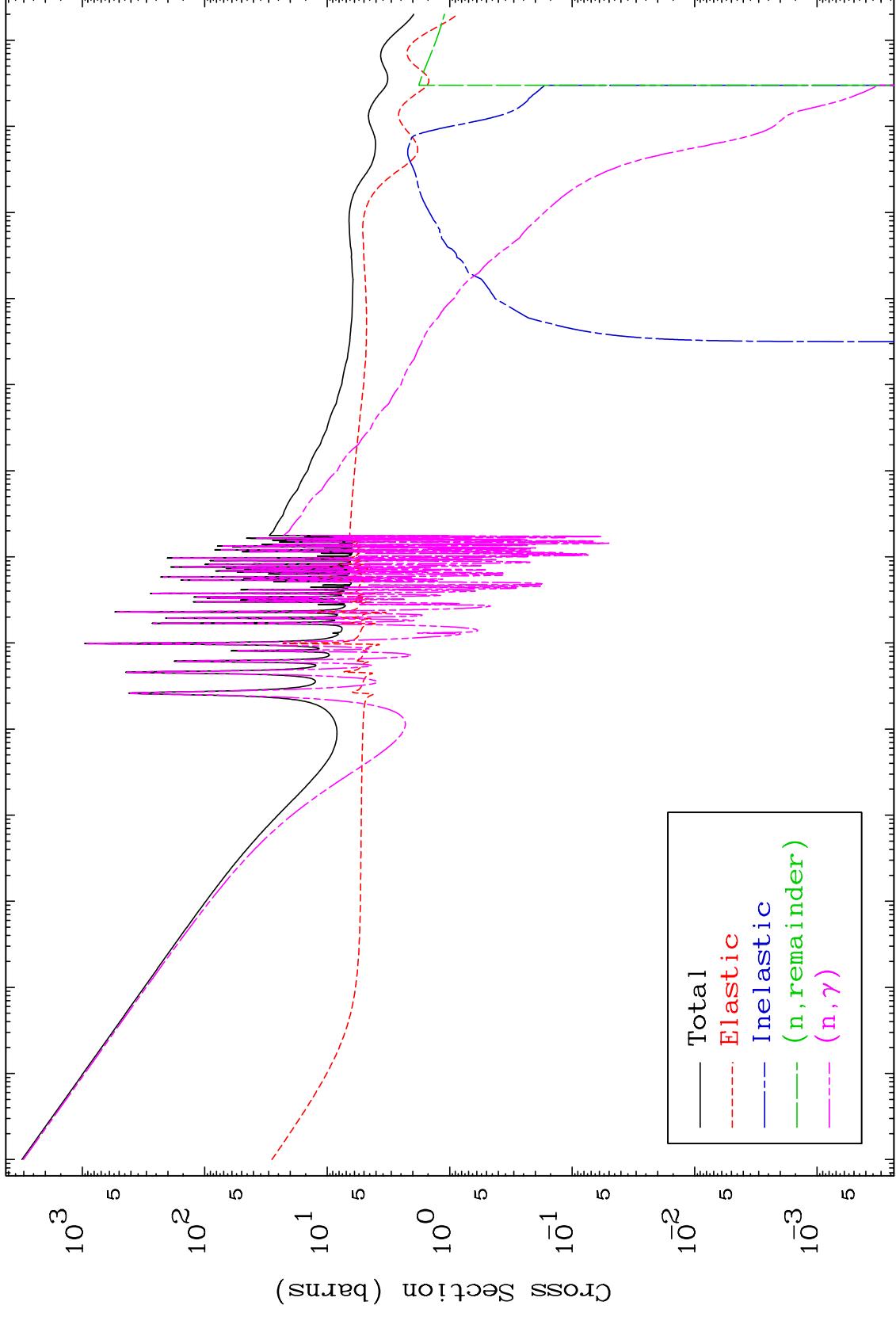
Press Mouse Button to Start

MAT 5116

Major

293 Kelvin Cross Sections

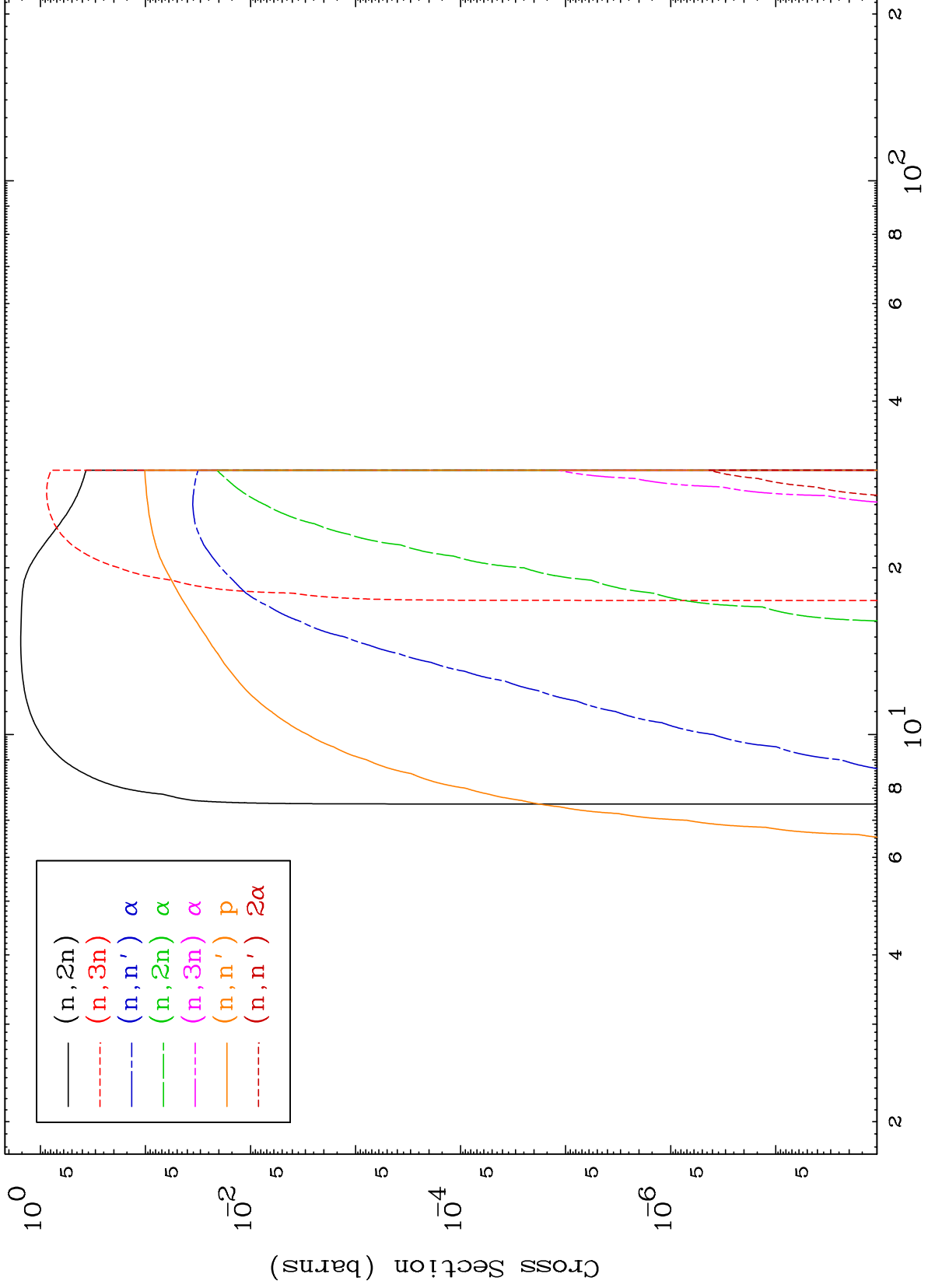
51-Sb-118



MAT 5116

Neutron Production
293 Kelvin Cross Sections

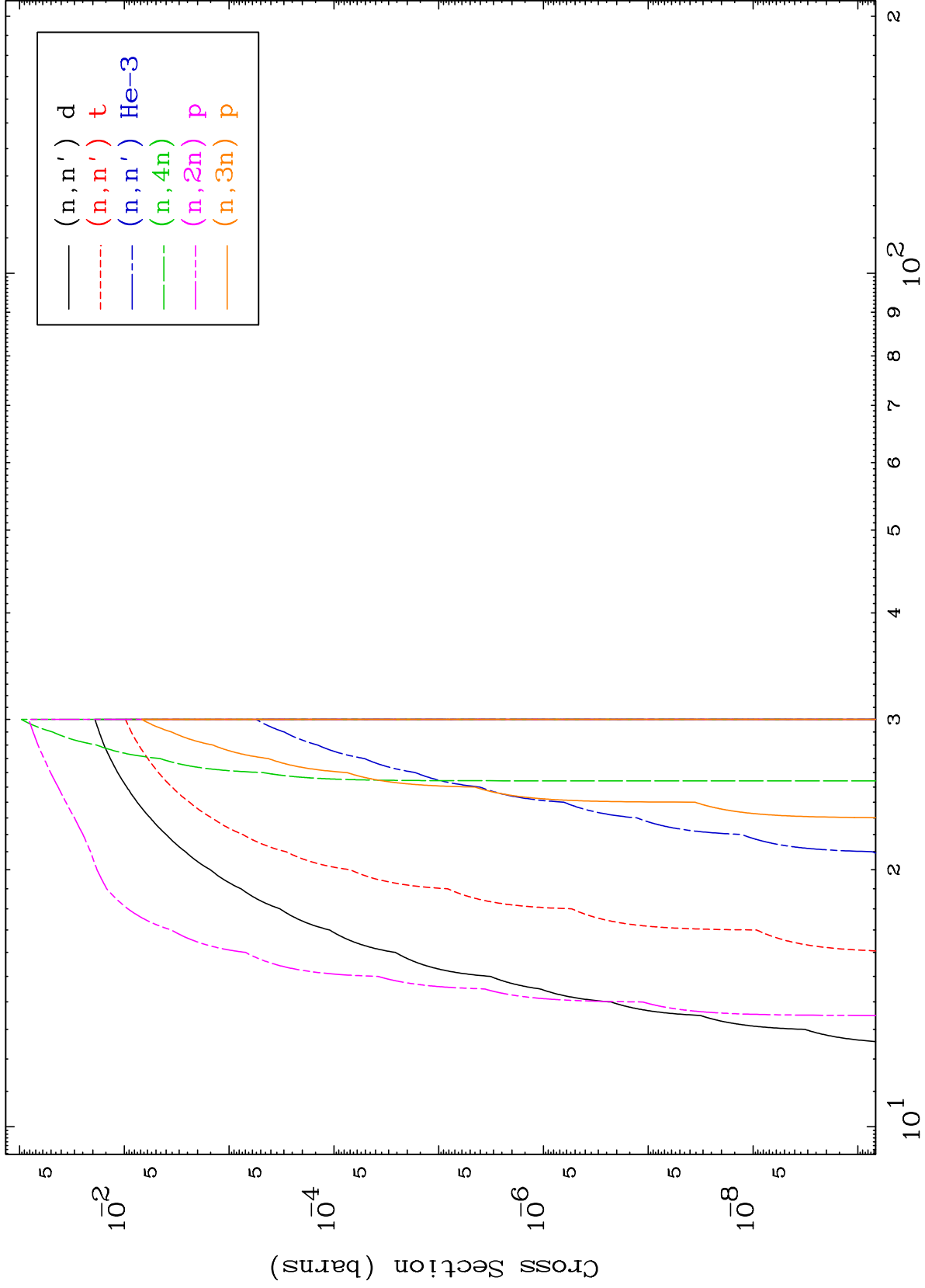
51-Sb-118

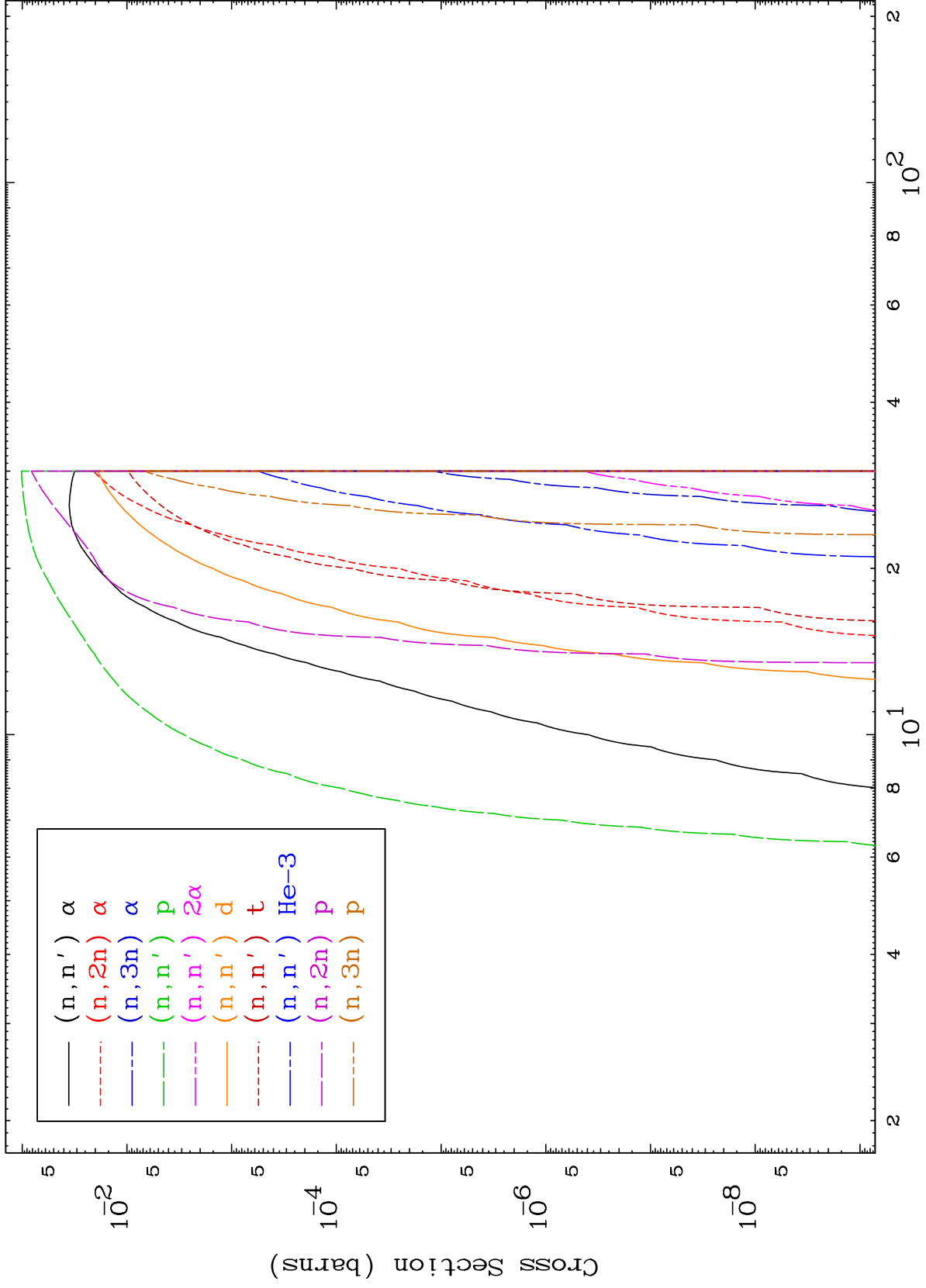


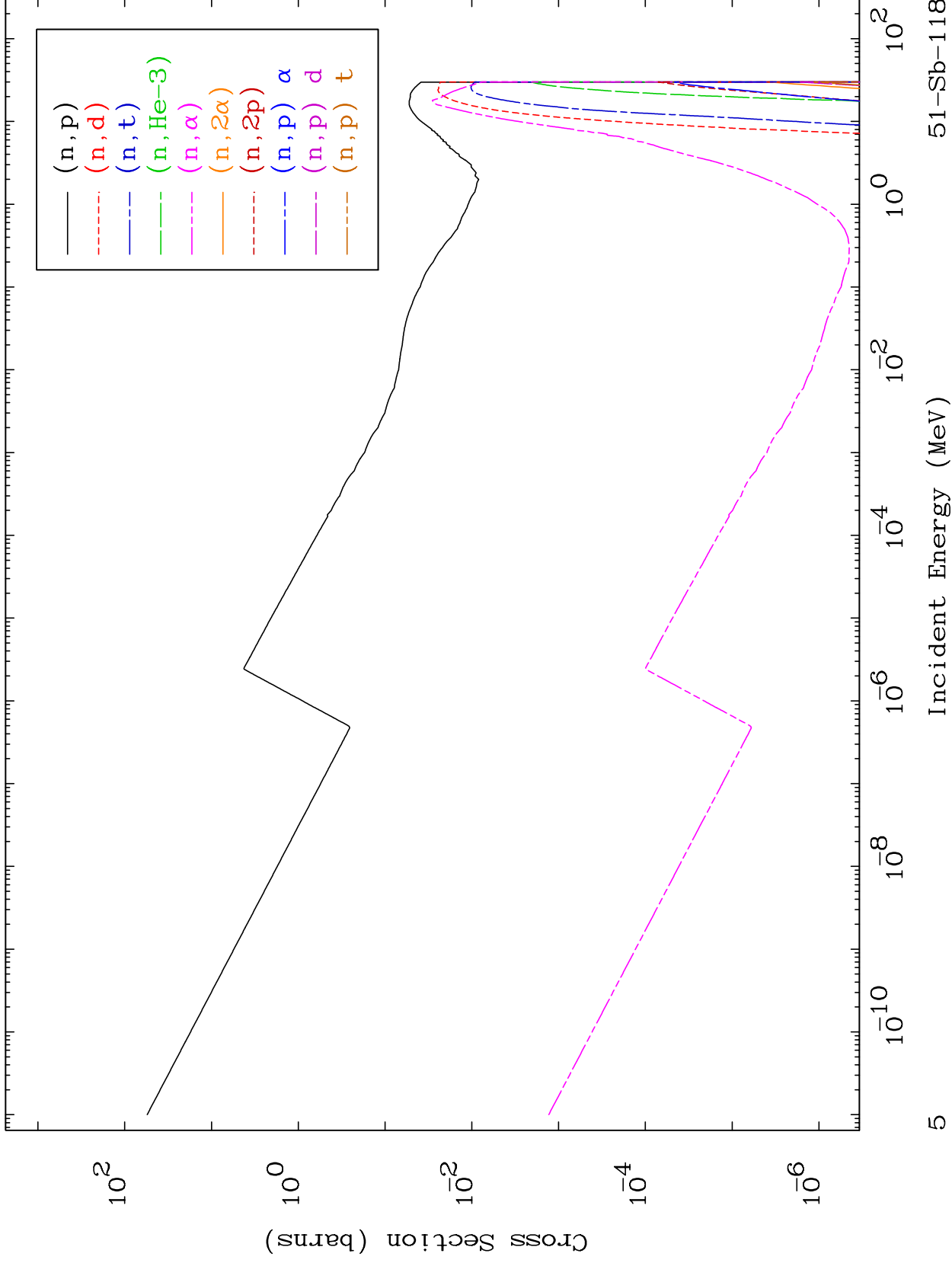
2

Incident Energy (MeV)

51-Sb-118



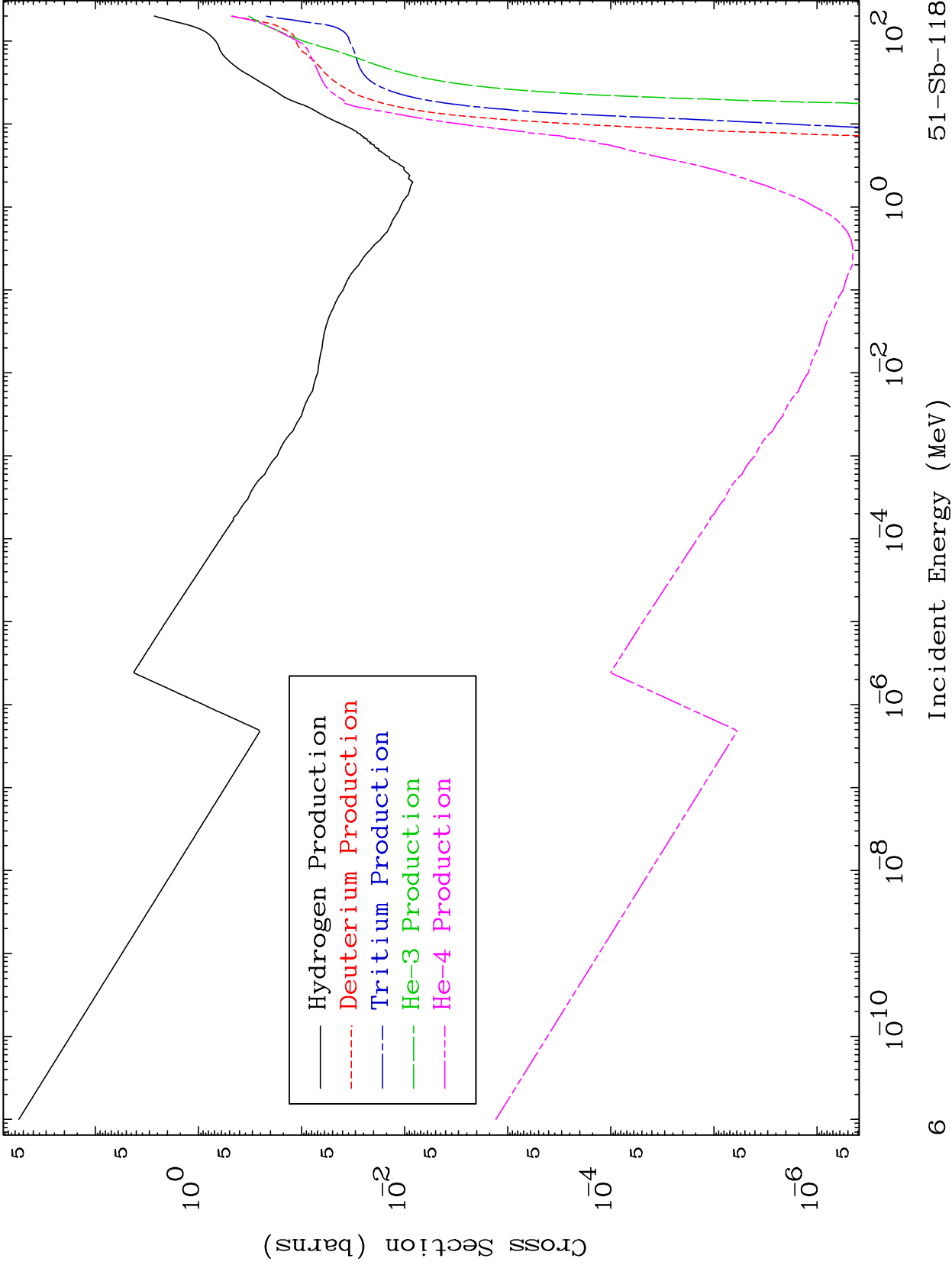




MAT 5116

Particle Production
293 Kelvin Cross Sections

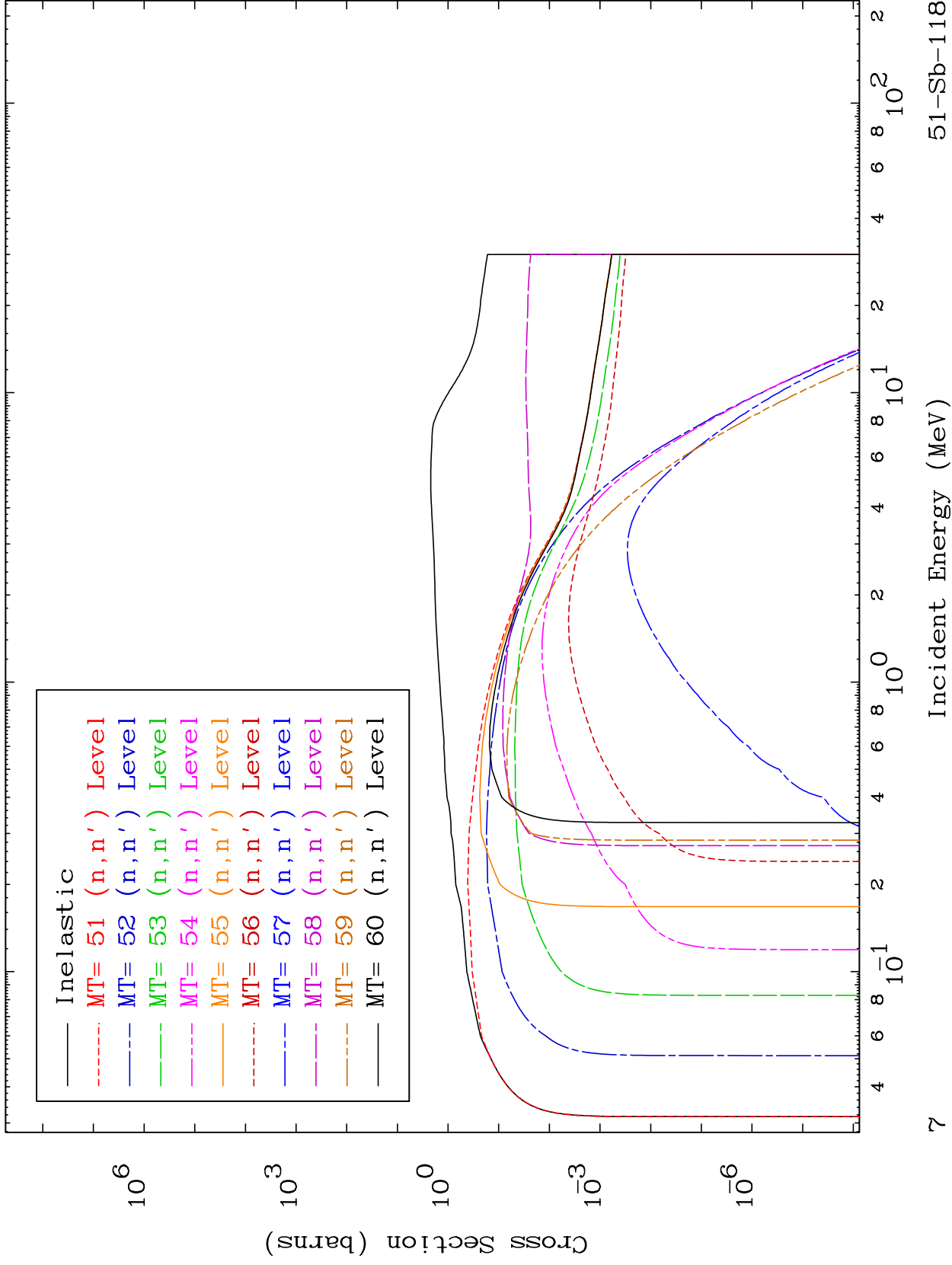
51-Sb-118



MAT 5116

(n,n') Level
293 Kelvin Cross Sections

51-Sb-118

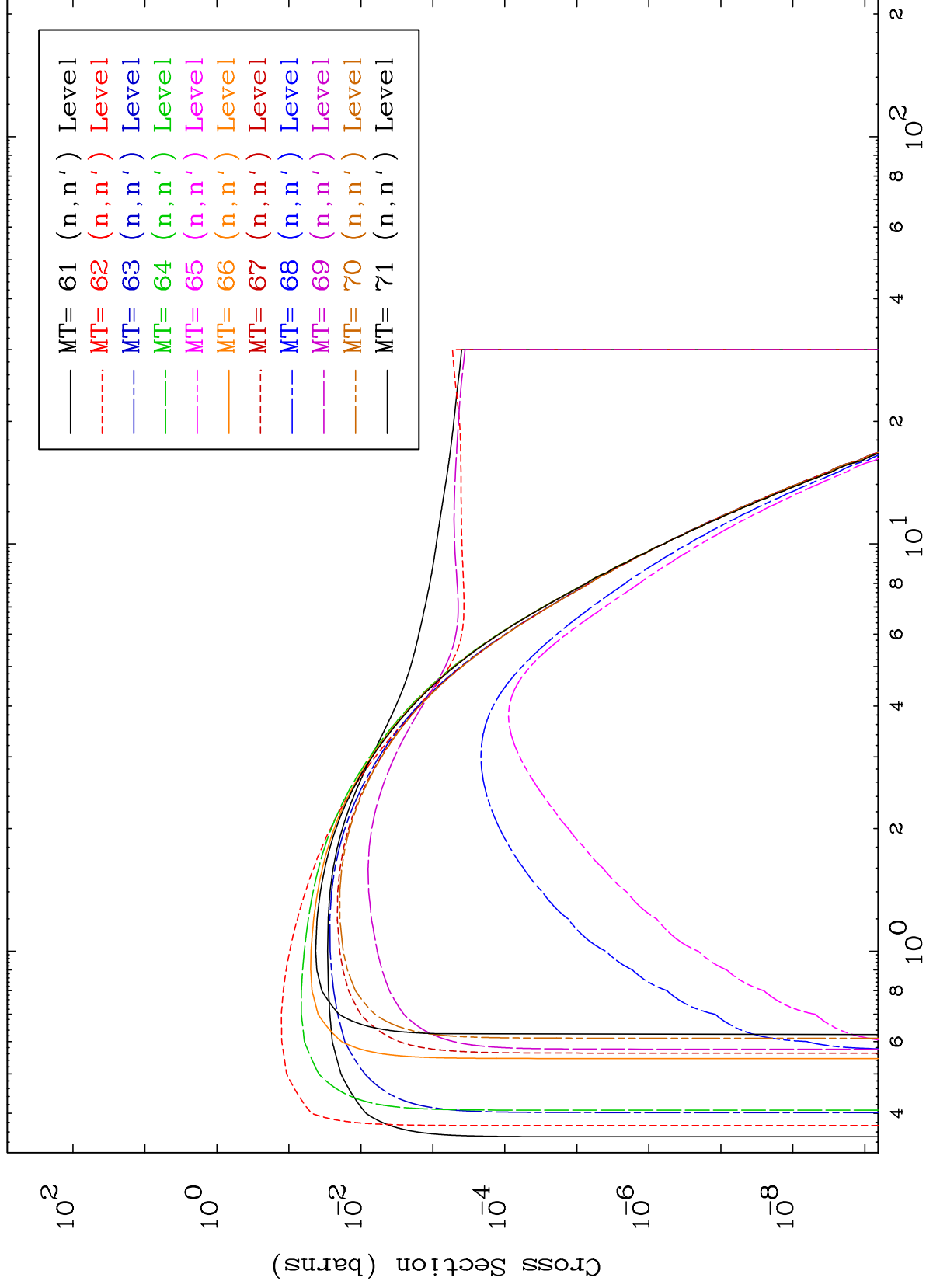


MAT 5116

(n,n') Level

293 Kelvin Cross Sections

51-Sb-118



8

Incident Energy (MeV)

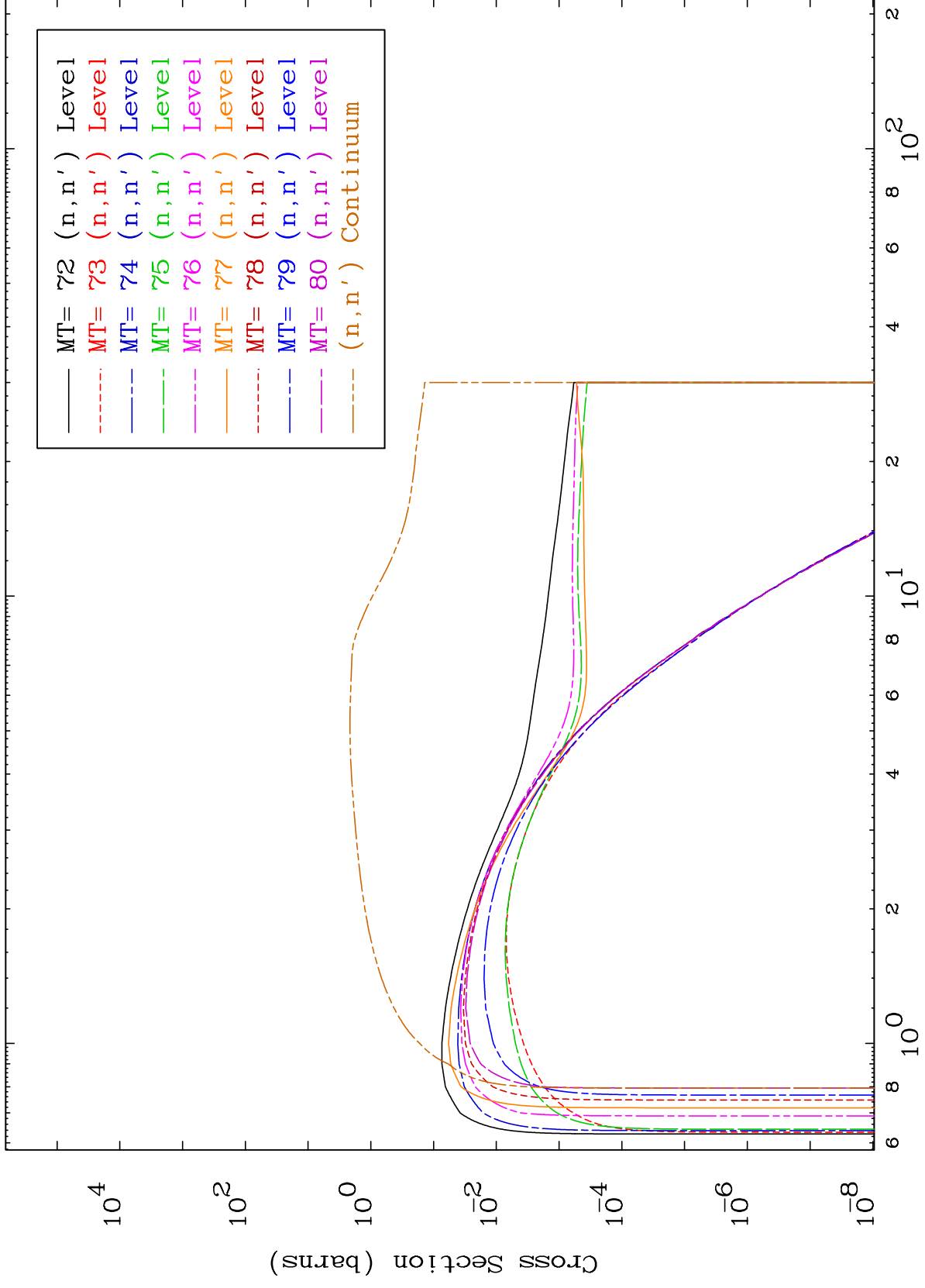
51-Sb-118

MAT 51116

(n,n') Level

51-Sb-118

293 Kelvin Cross Sections



9

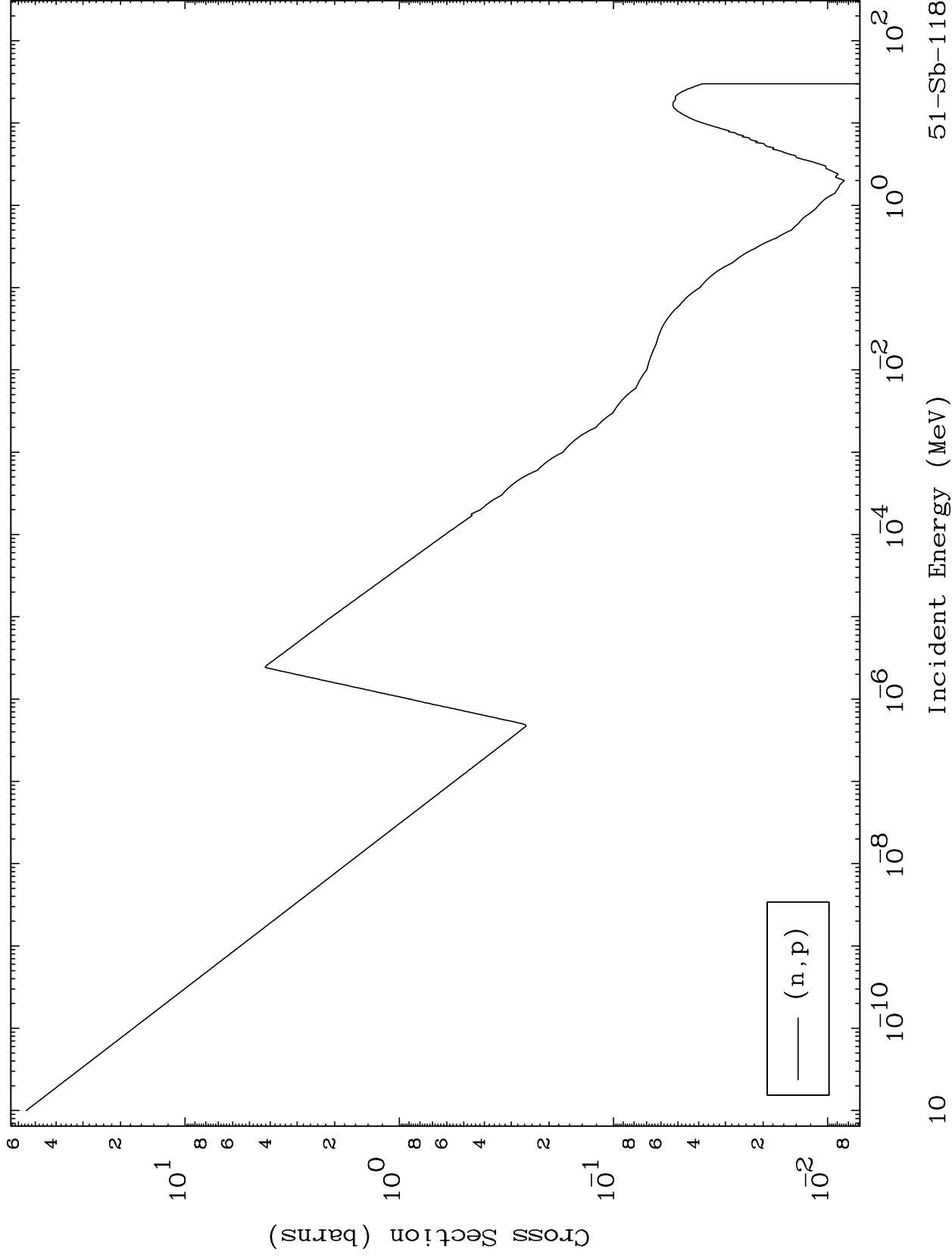
Incident Energy (MeV)

51-Sb-118

MAT 5116

(n,p) Levels
293 Kelvin Cross Sections

51-Sb-118



10

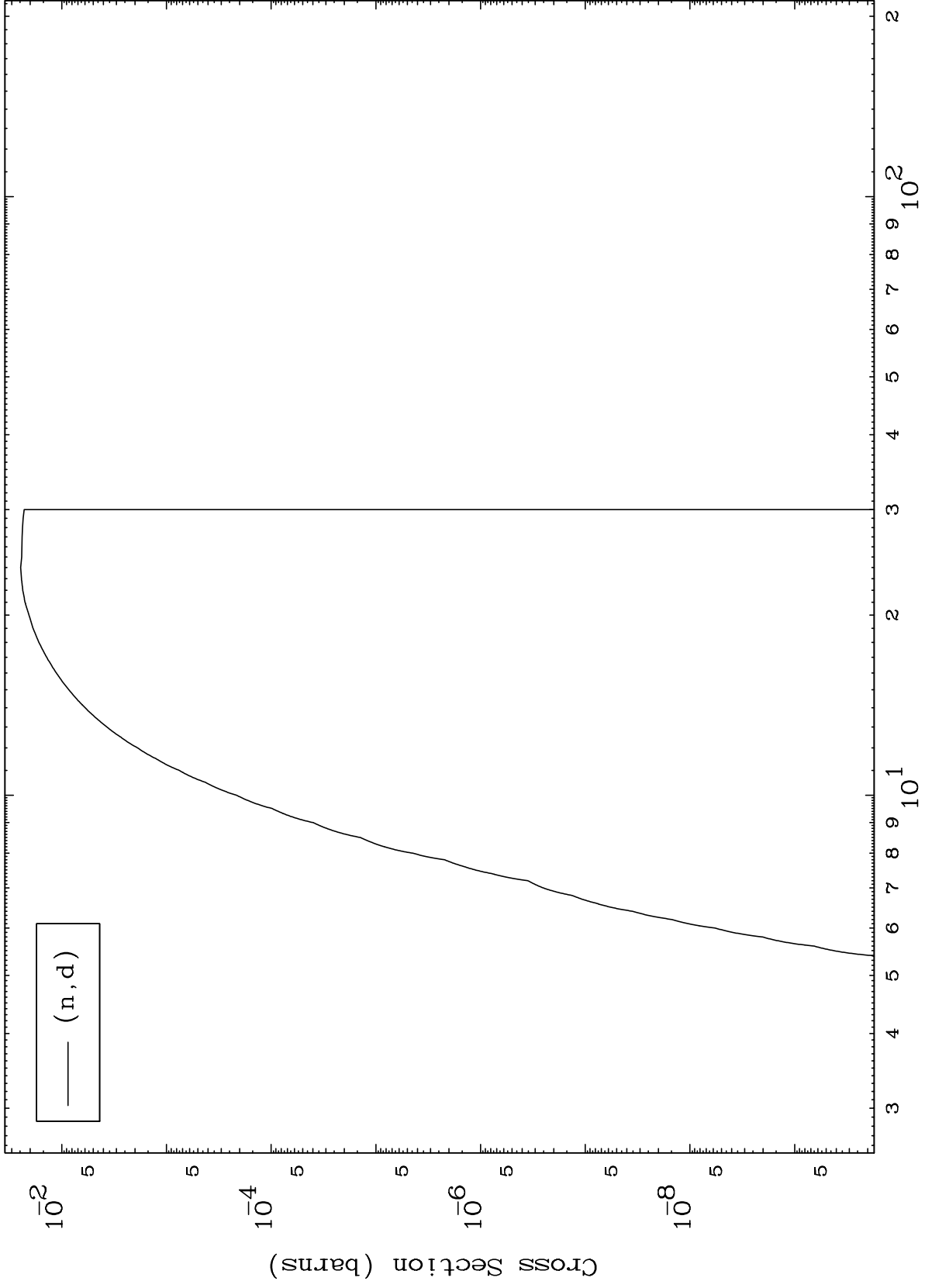
Incident Energy (MeV)

51-Sb-118

MAT 51116

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-118

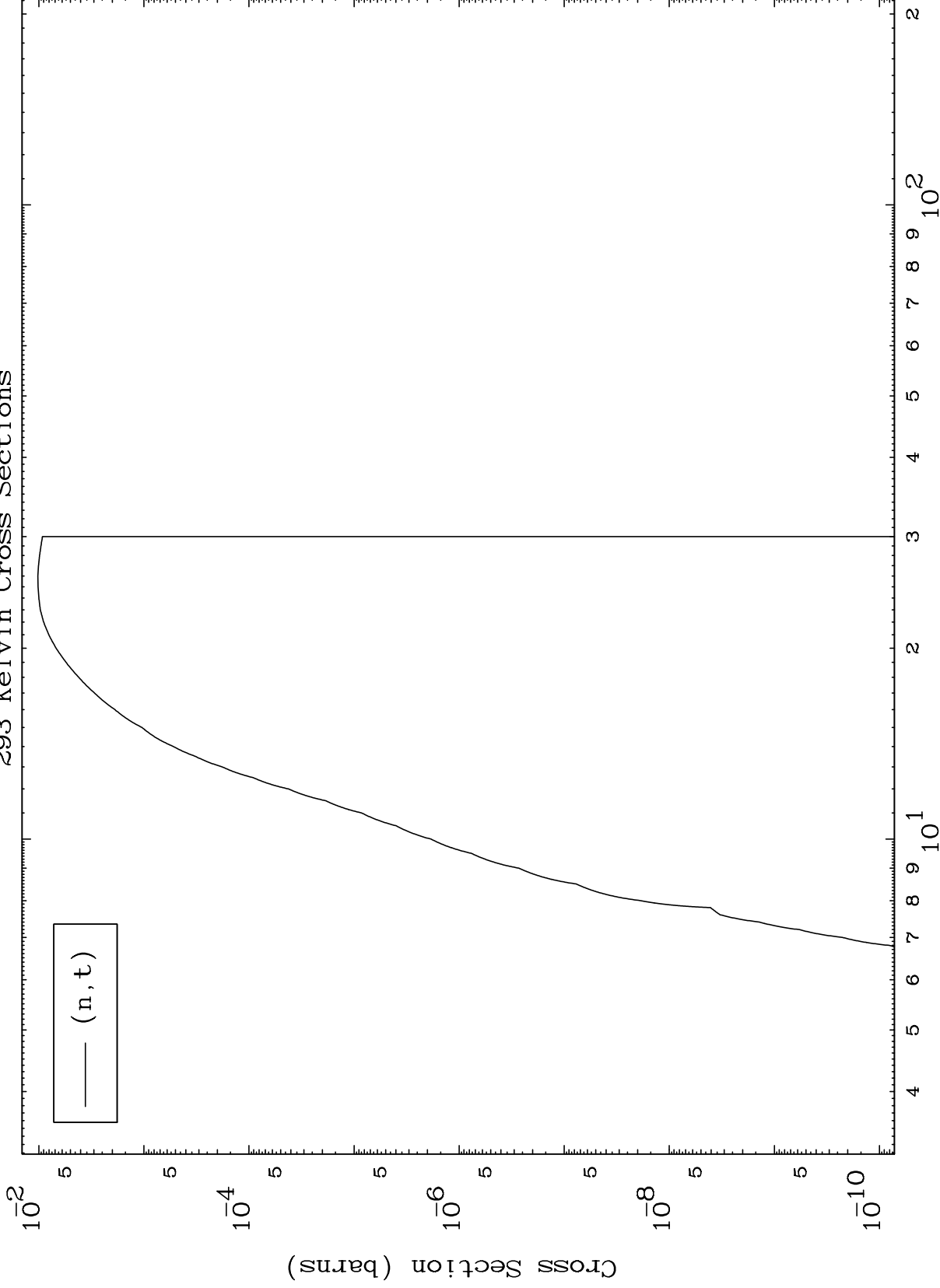


(n,d)

MAT 51116

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-118



12

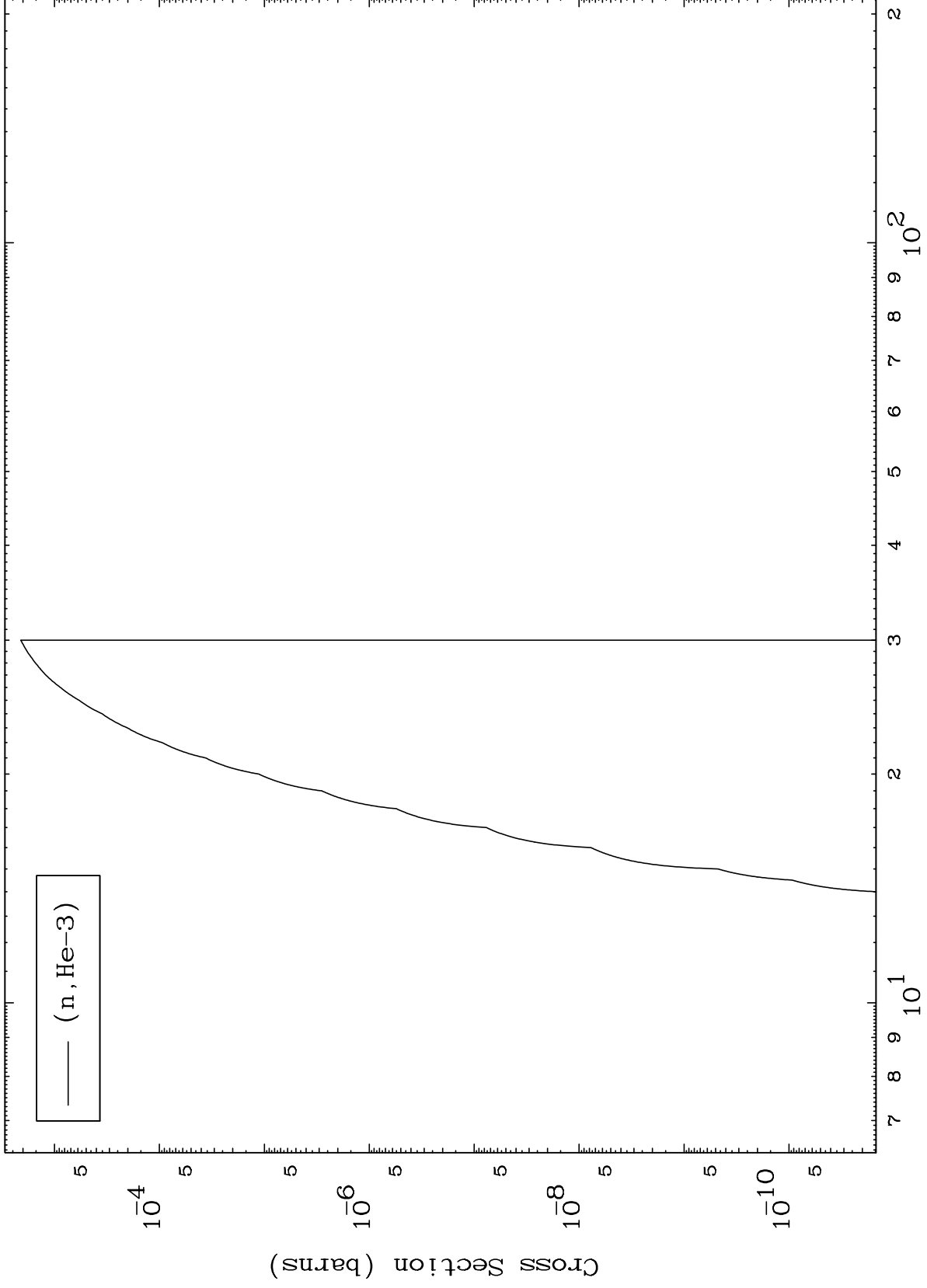
Incident Energy (MeV)

51-Sb-118

MAT 51116

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-118



13

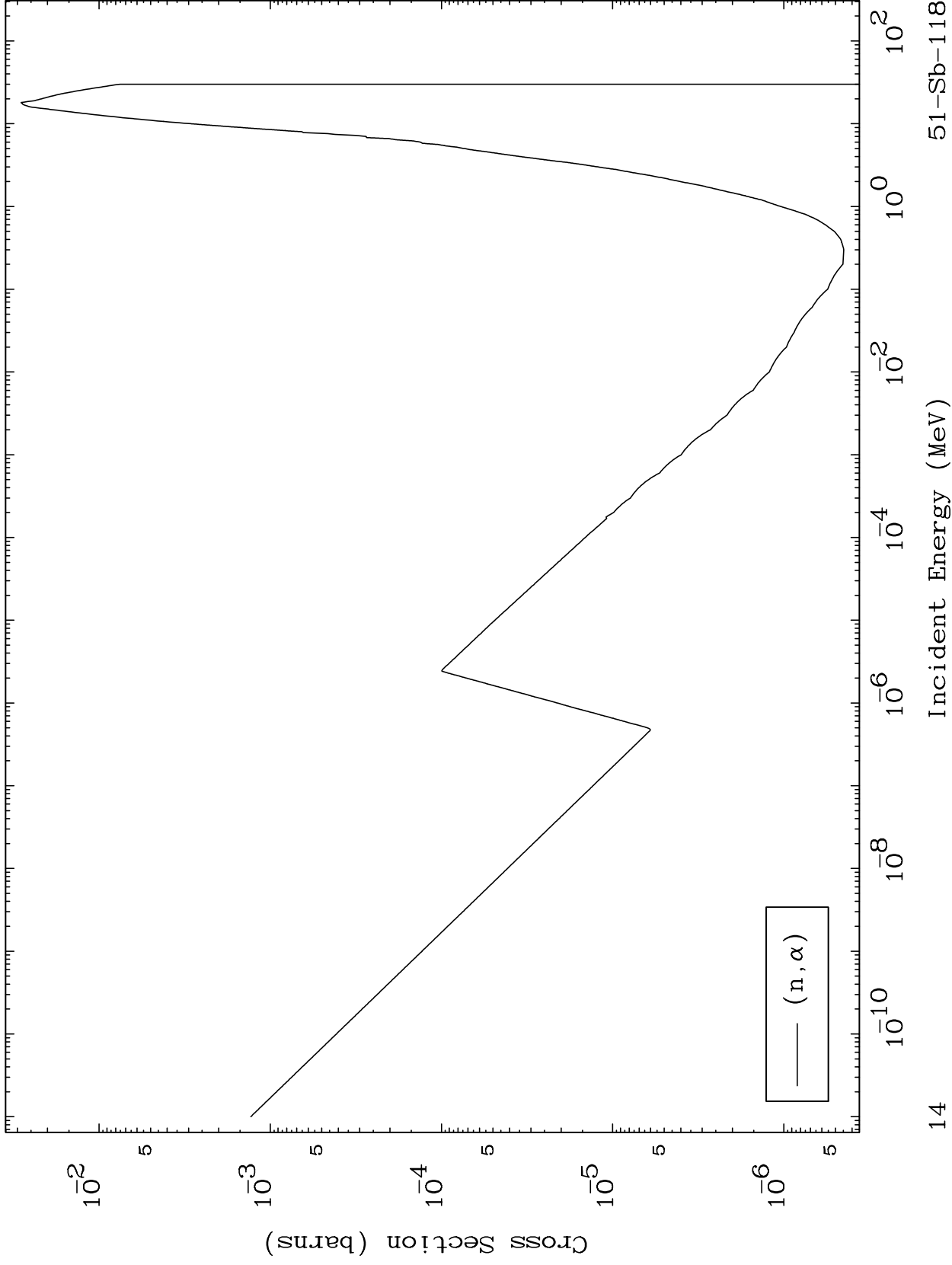
Incident Energy (MeV)

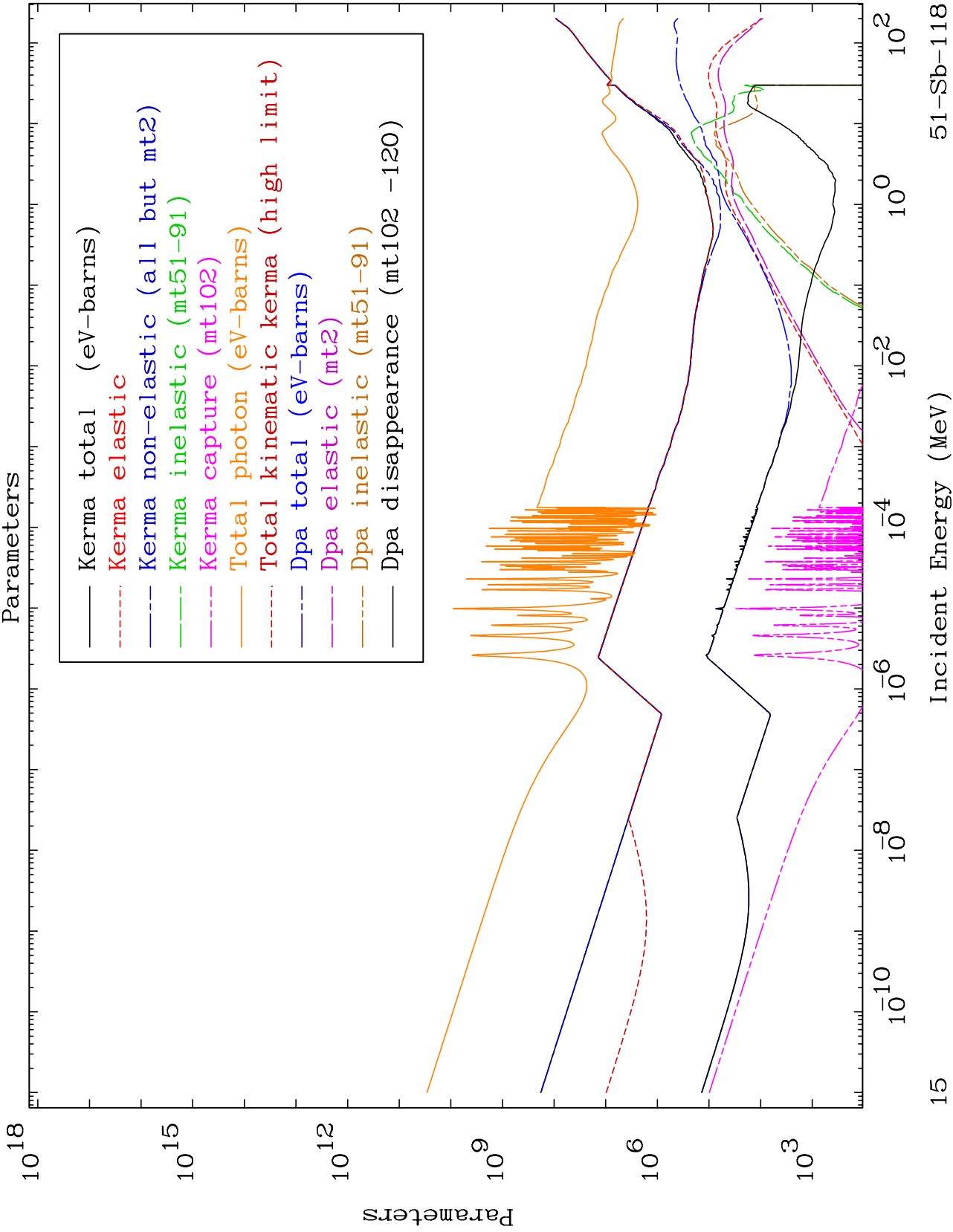
51-Sb-118

MAT 5116

(n,α) Levels
293 Kelvin Cross Sections

51-Sb-118

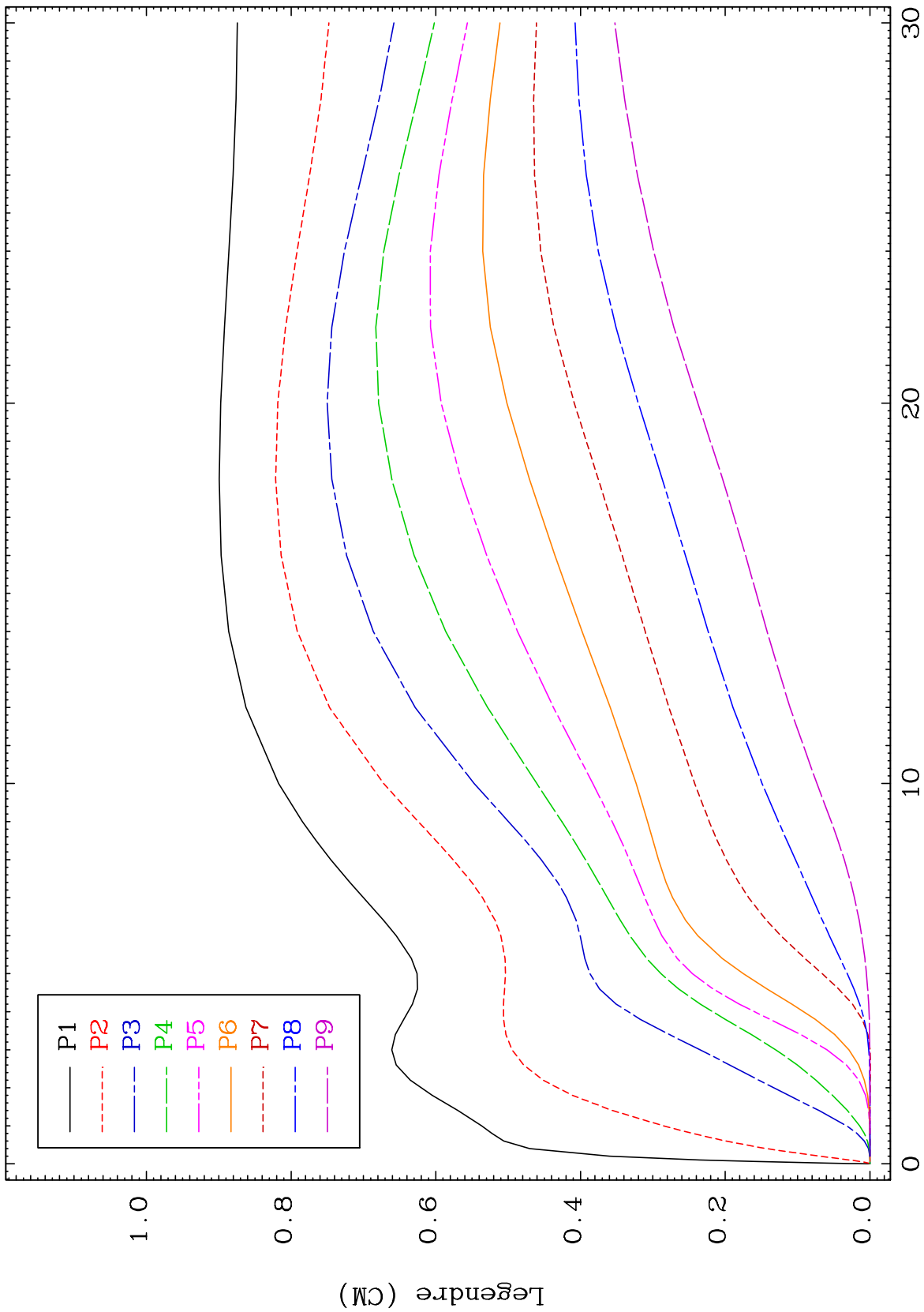




MAT 5116

Elastic Legendre Coefficients

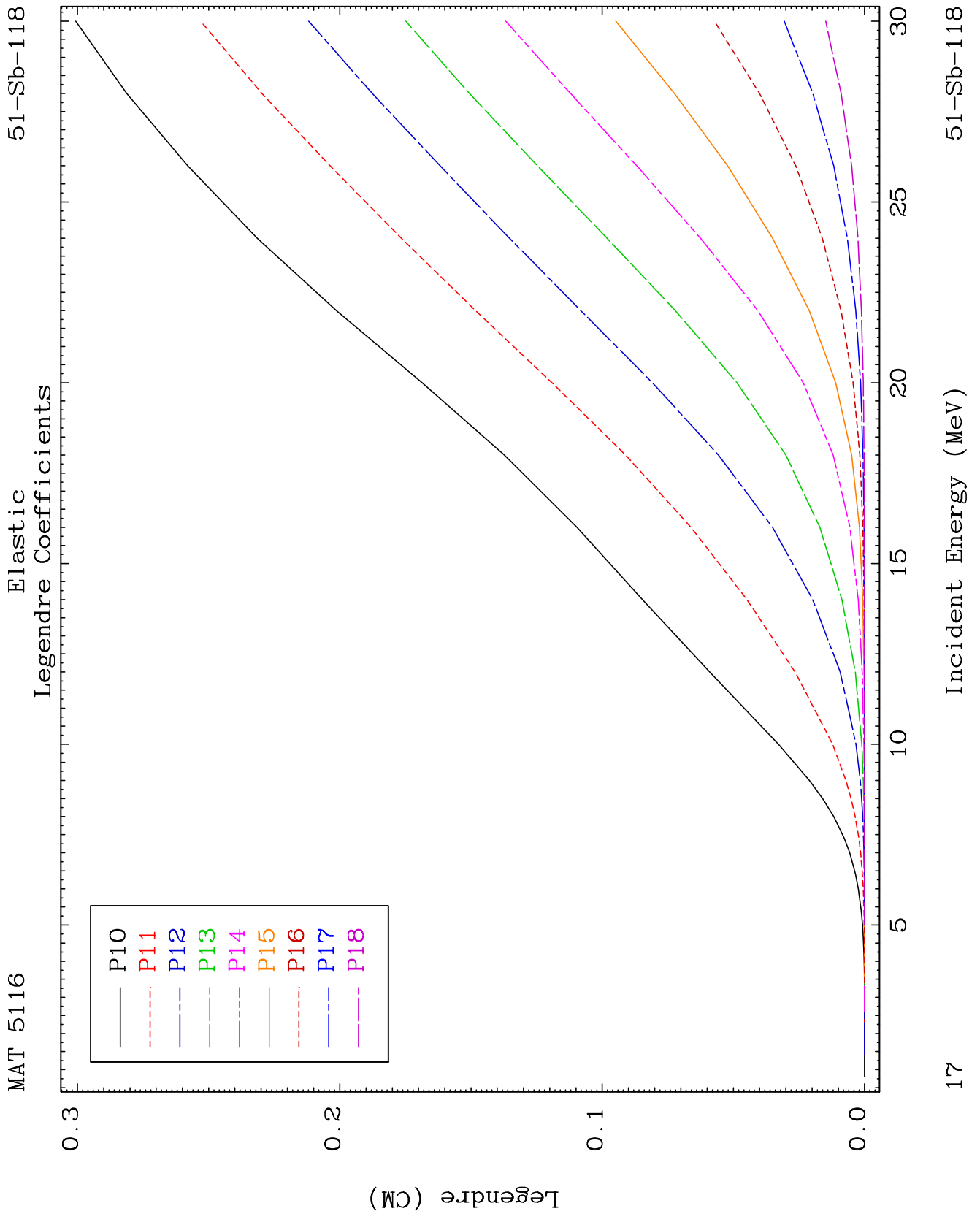
51-Sb-118



16

Incident Energy (MeV)

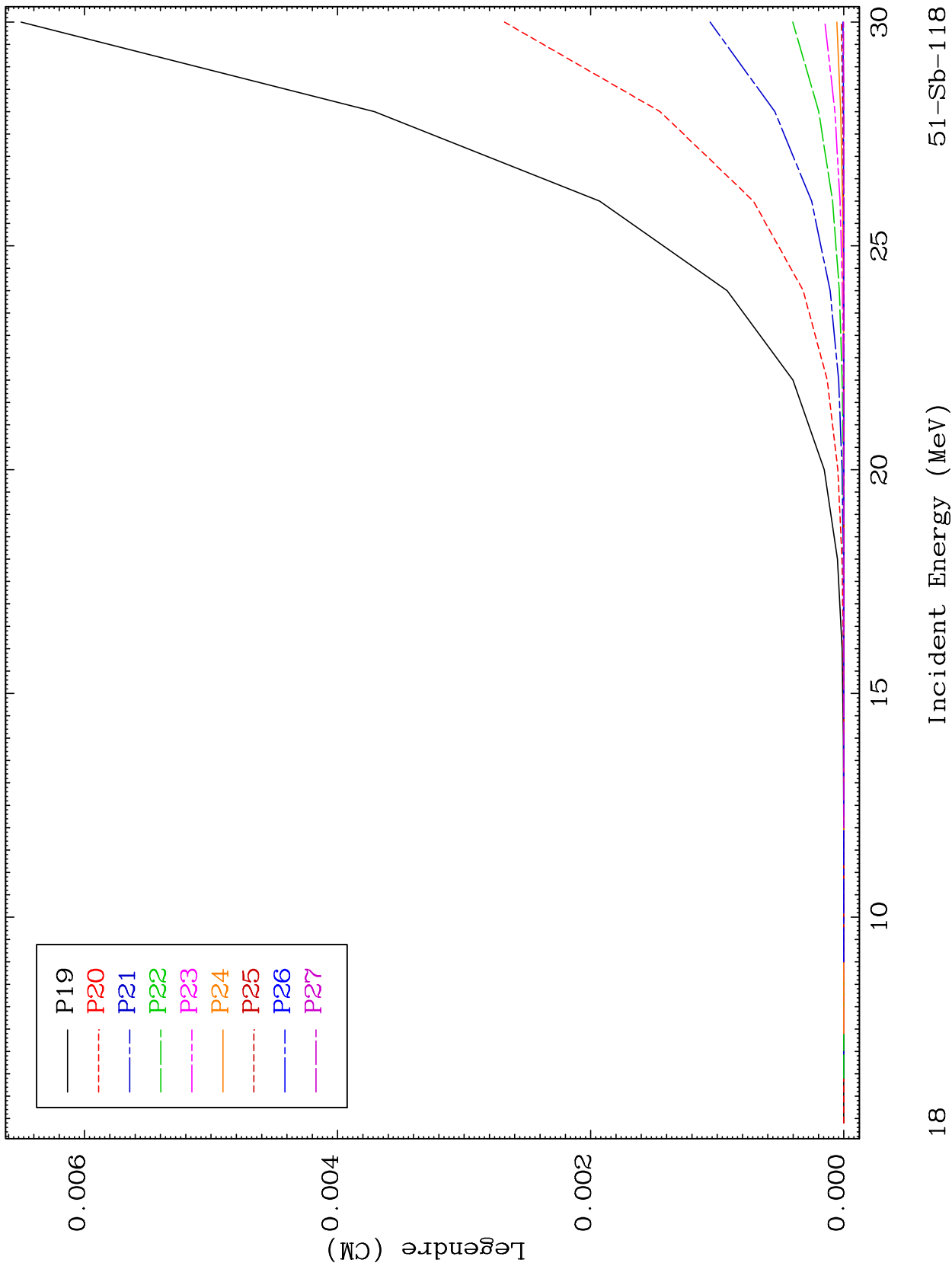
51-Sb-118



MAT 5116

Elastic Legendre Coefficients

51-Sb-118



18

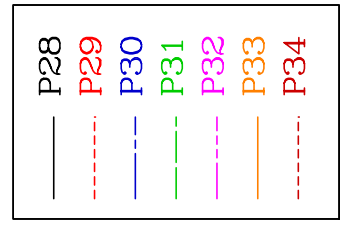
Incident Energy (MeV)

51-Sb-118

MAT 5116

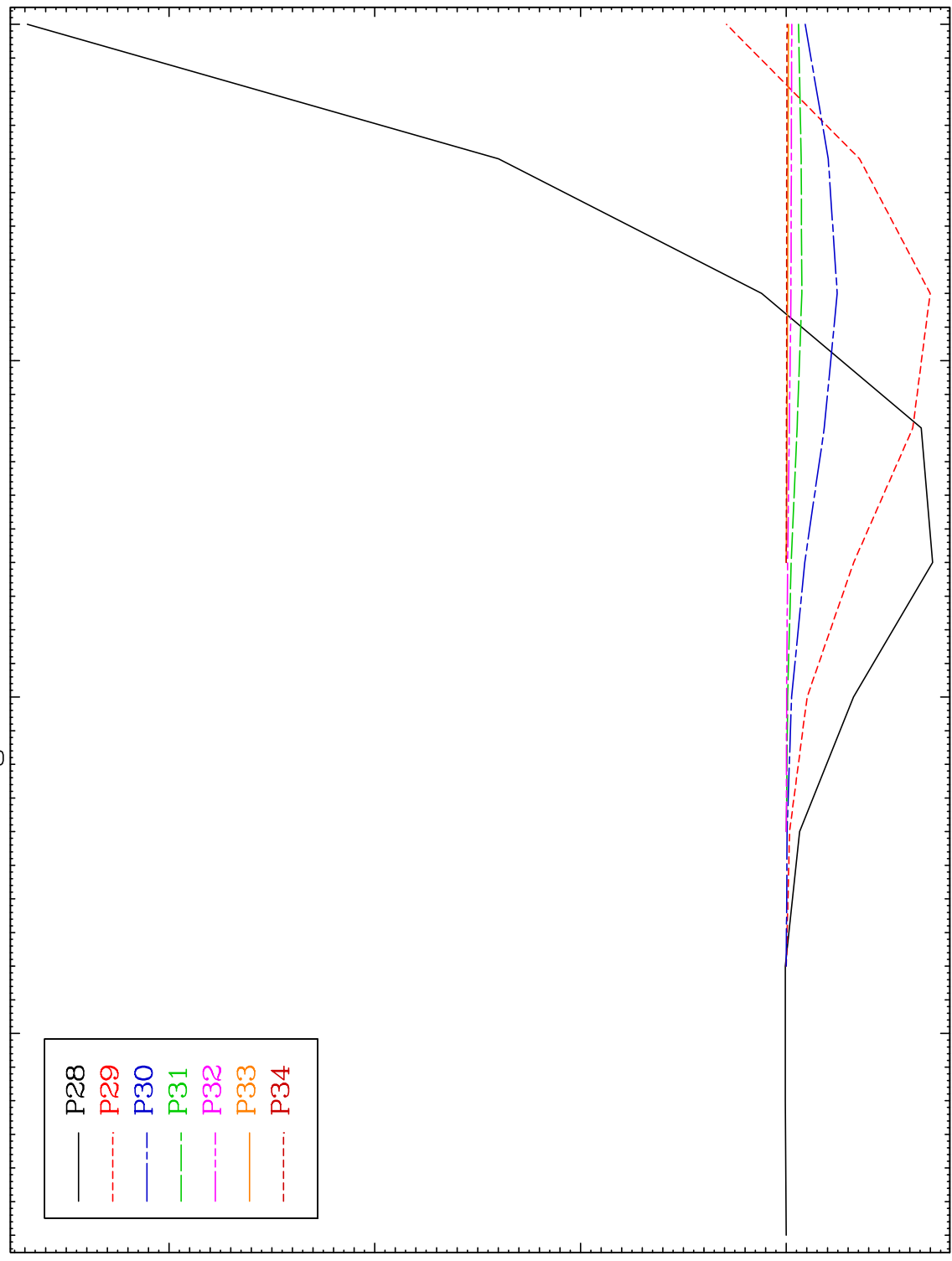
Elastic Legendre Coefficients

51-Sb-118



$\times 10^{-7}$

Legendre (CM)



15

20

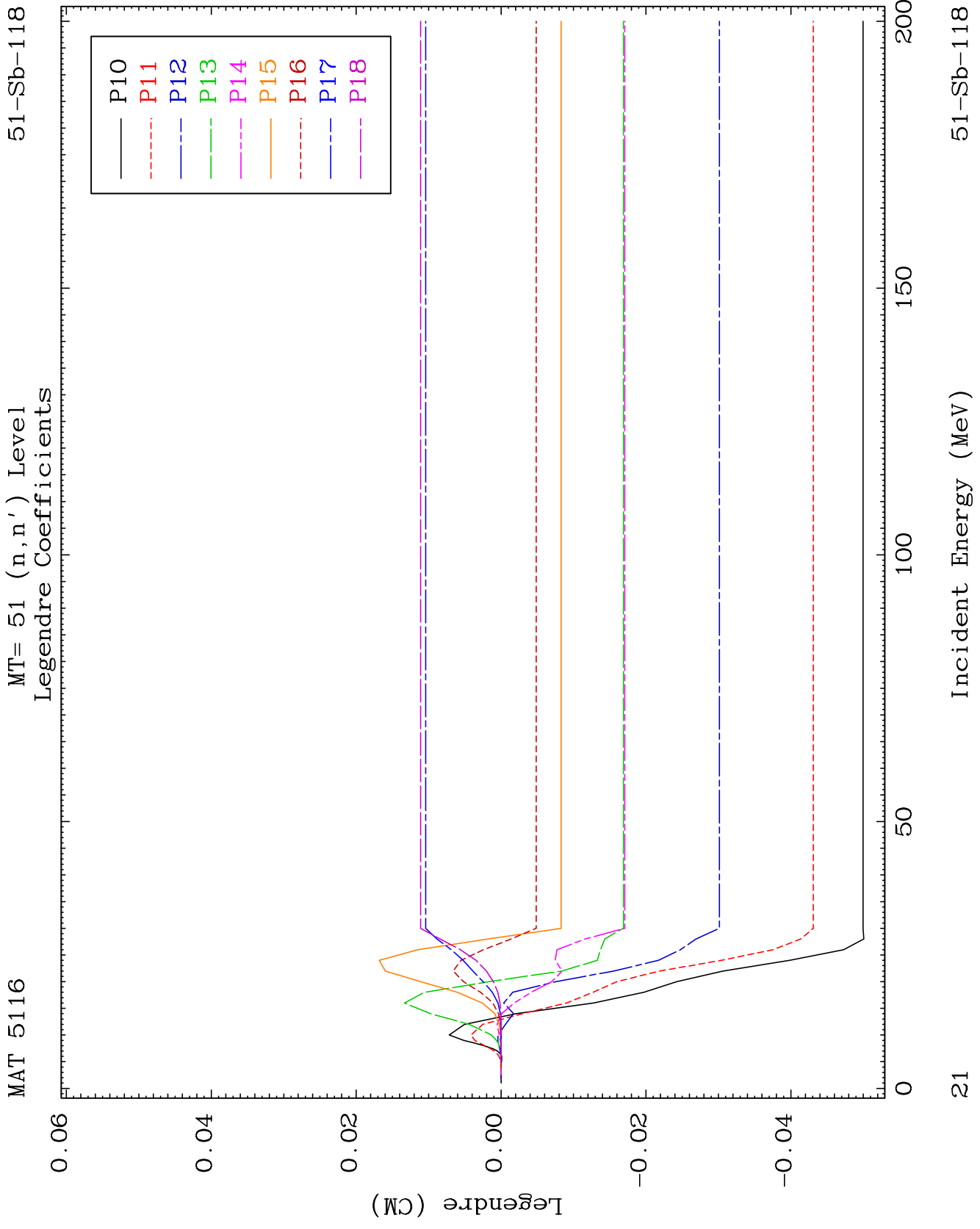
25

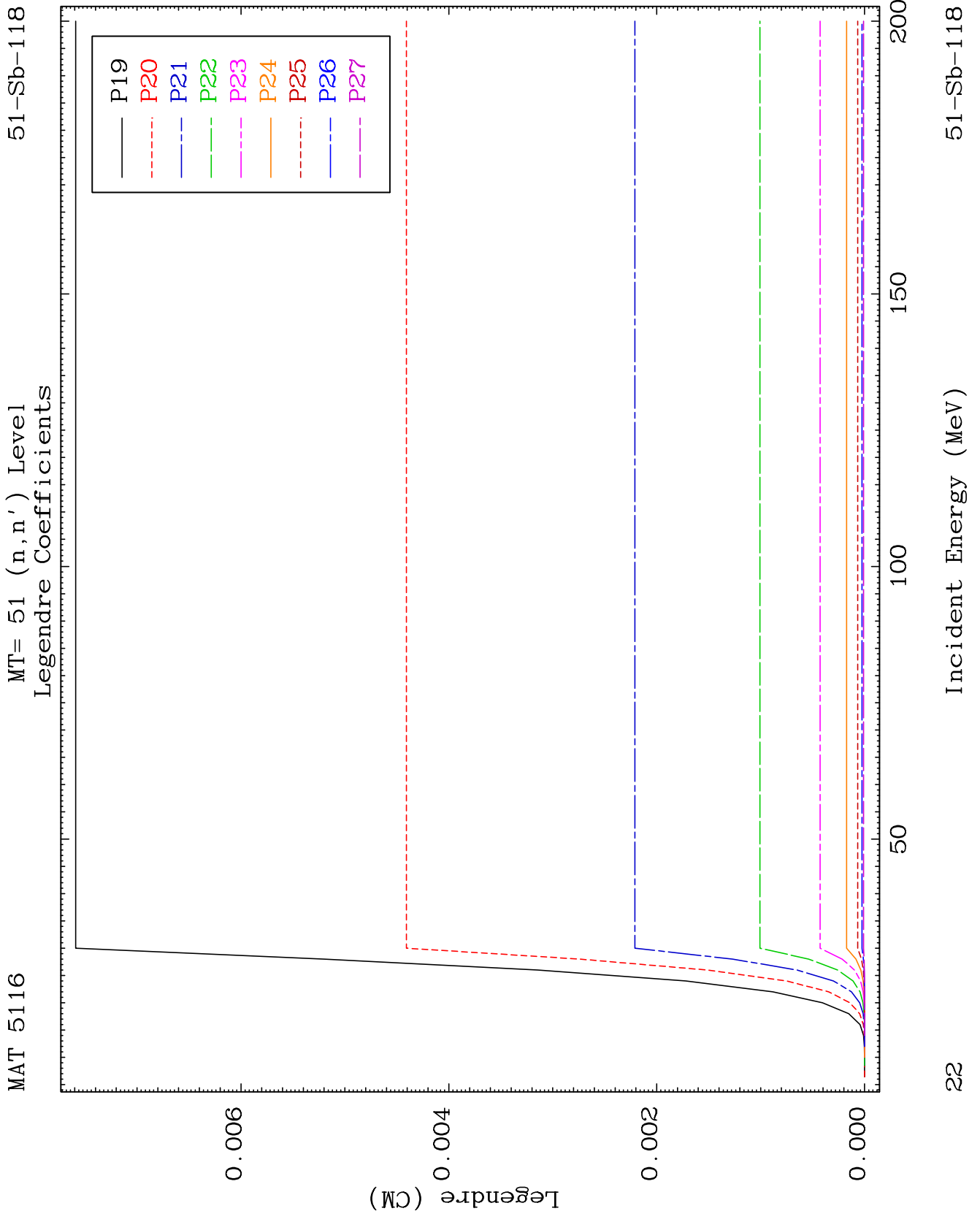
30

19

Incident Energy (MeV)

51-Sb-118

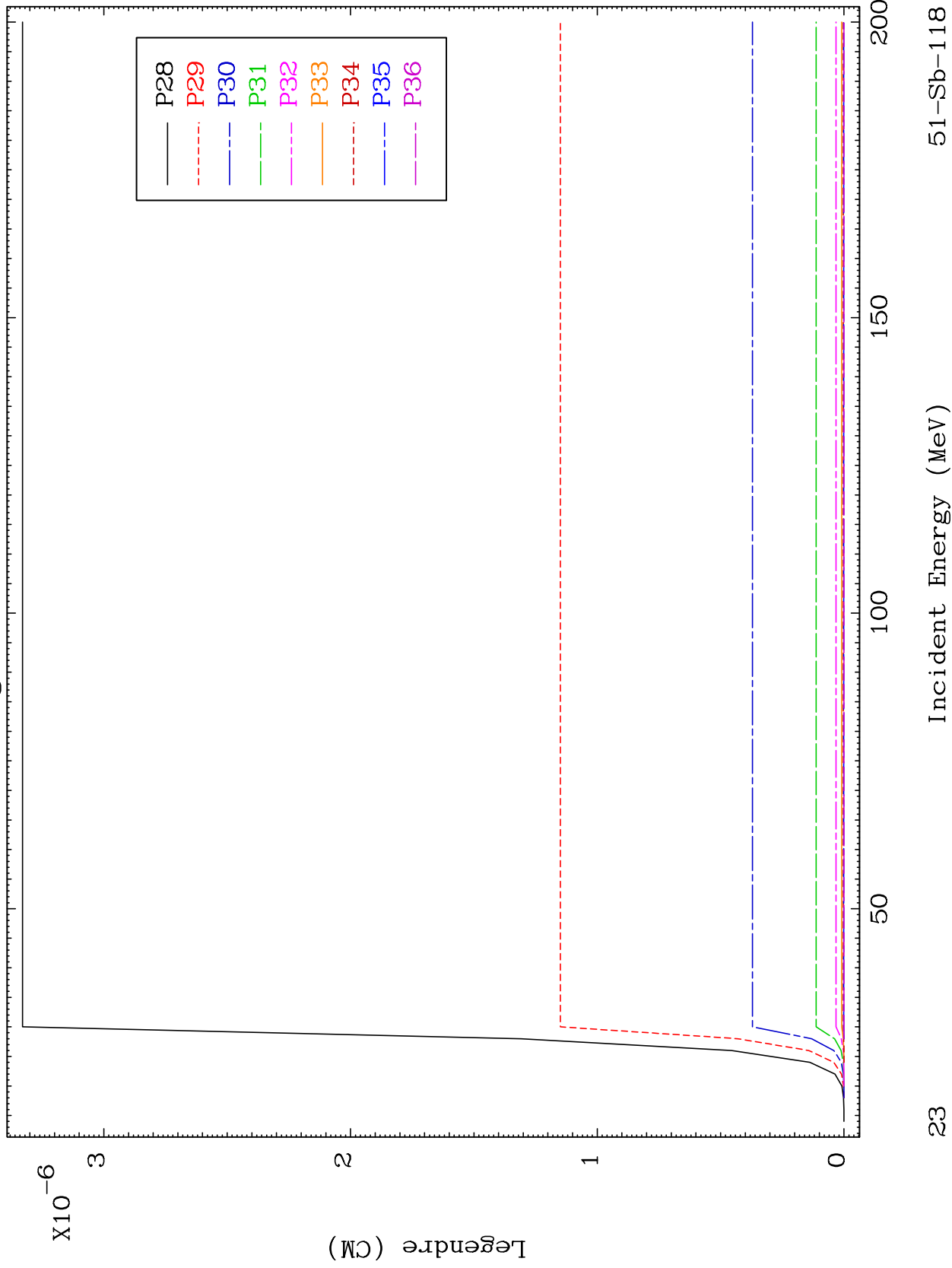




MAT 5116

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

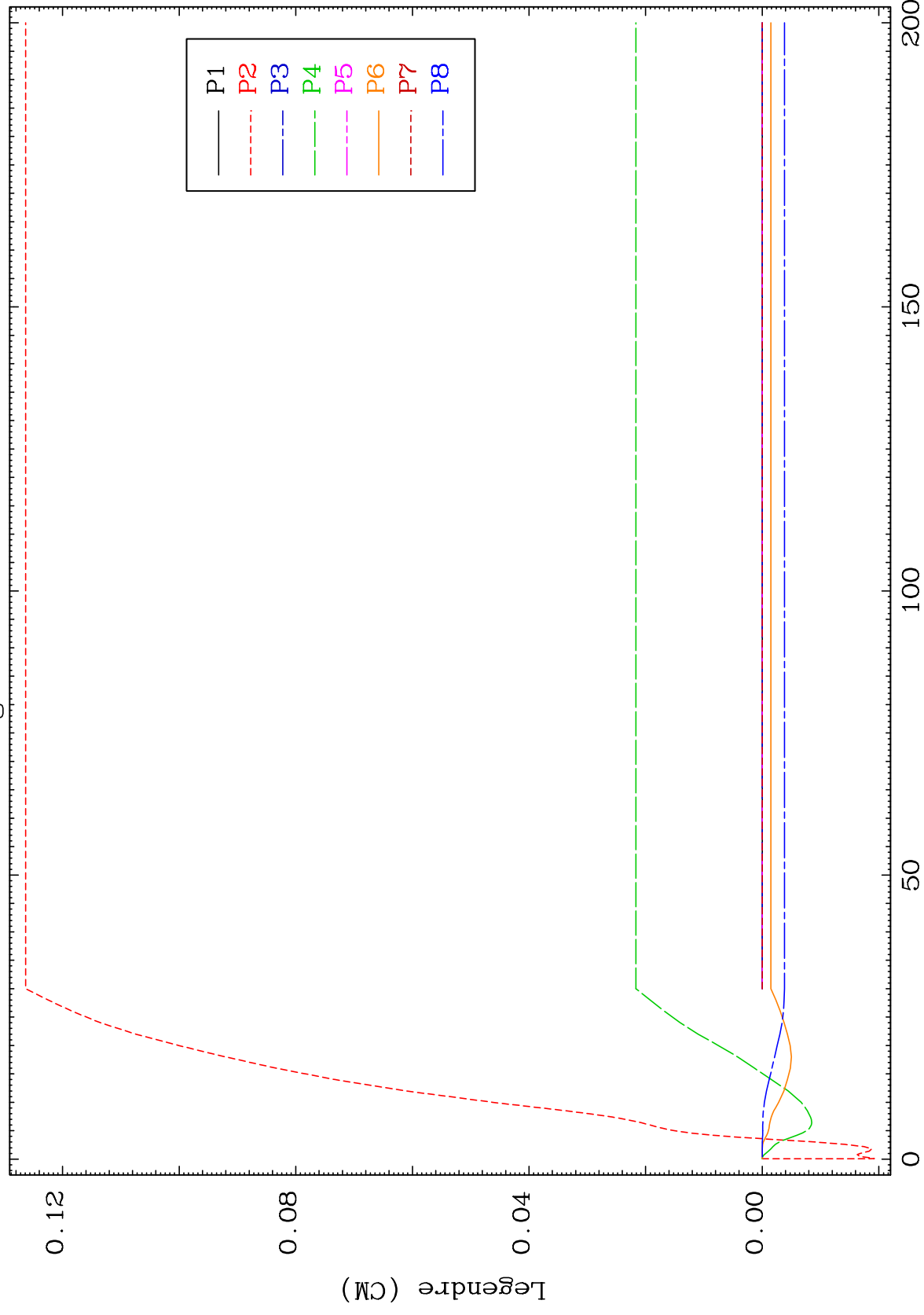
51-Sb-118



MAT 51116

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

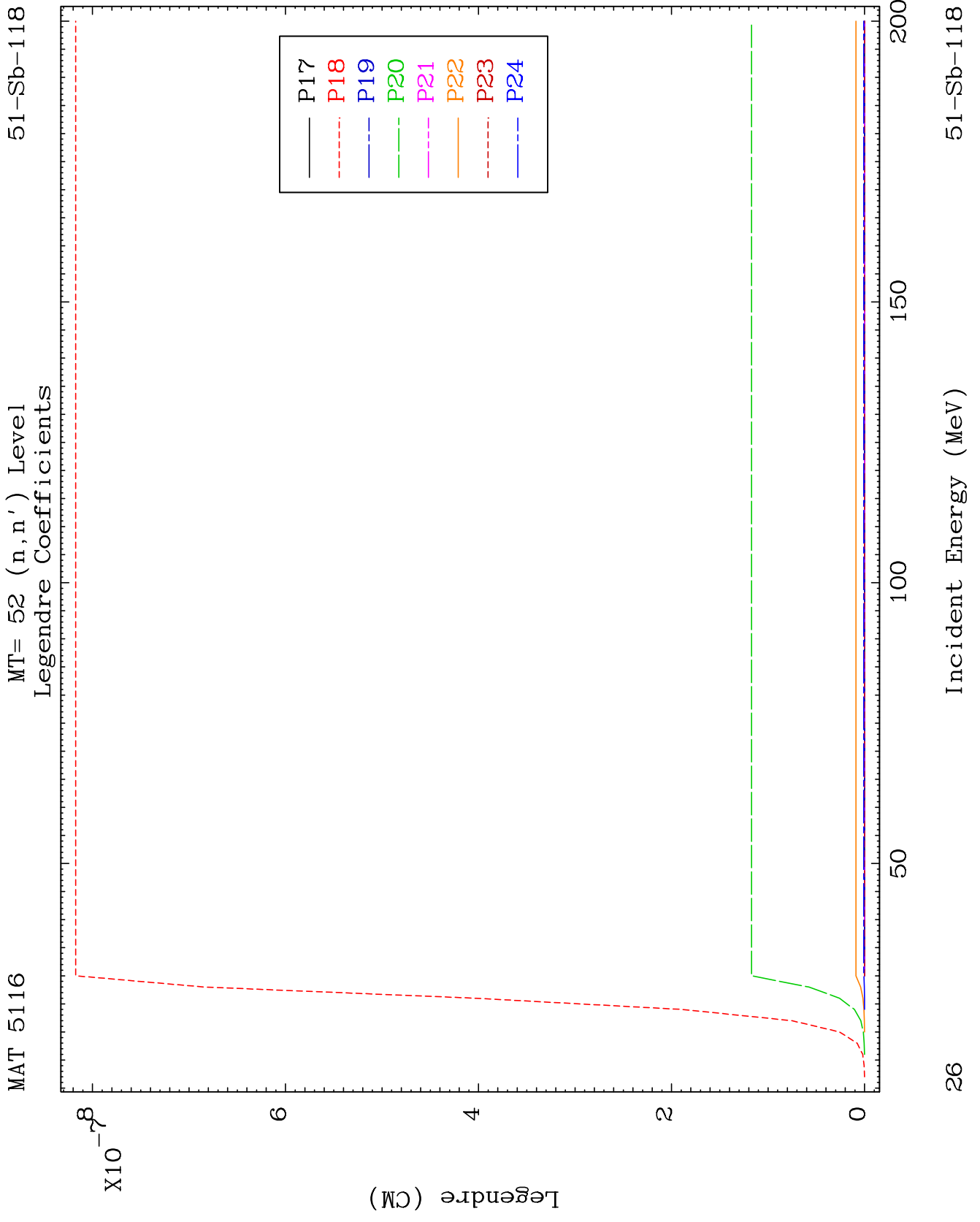
51-Sb-118



51-Sb-118

Incident Energy (MeV)

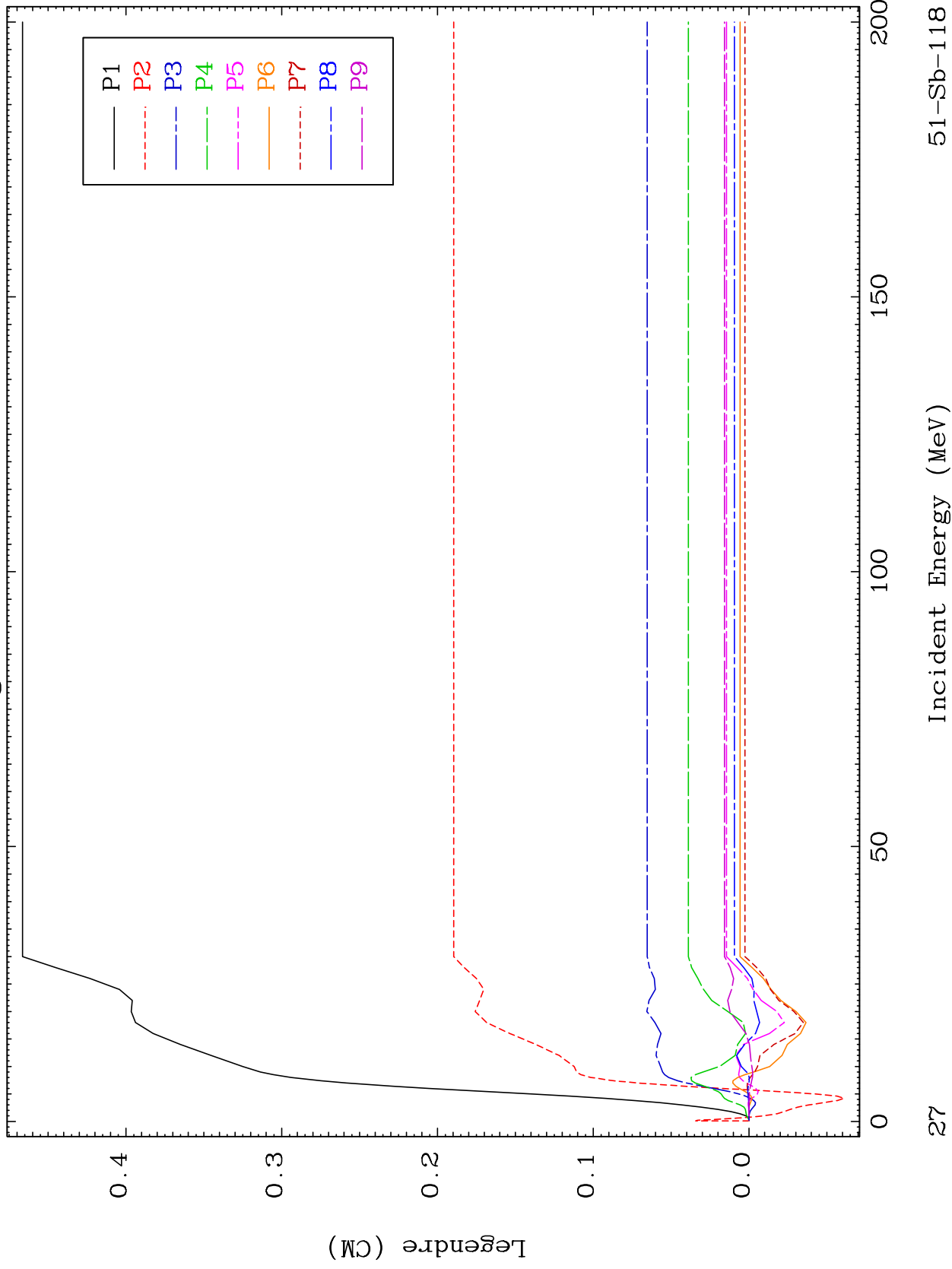
24



MAT 5116

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

51-Sb-118



51-Sb-118

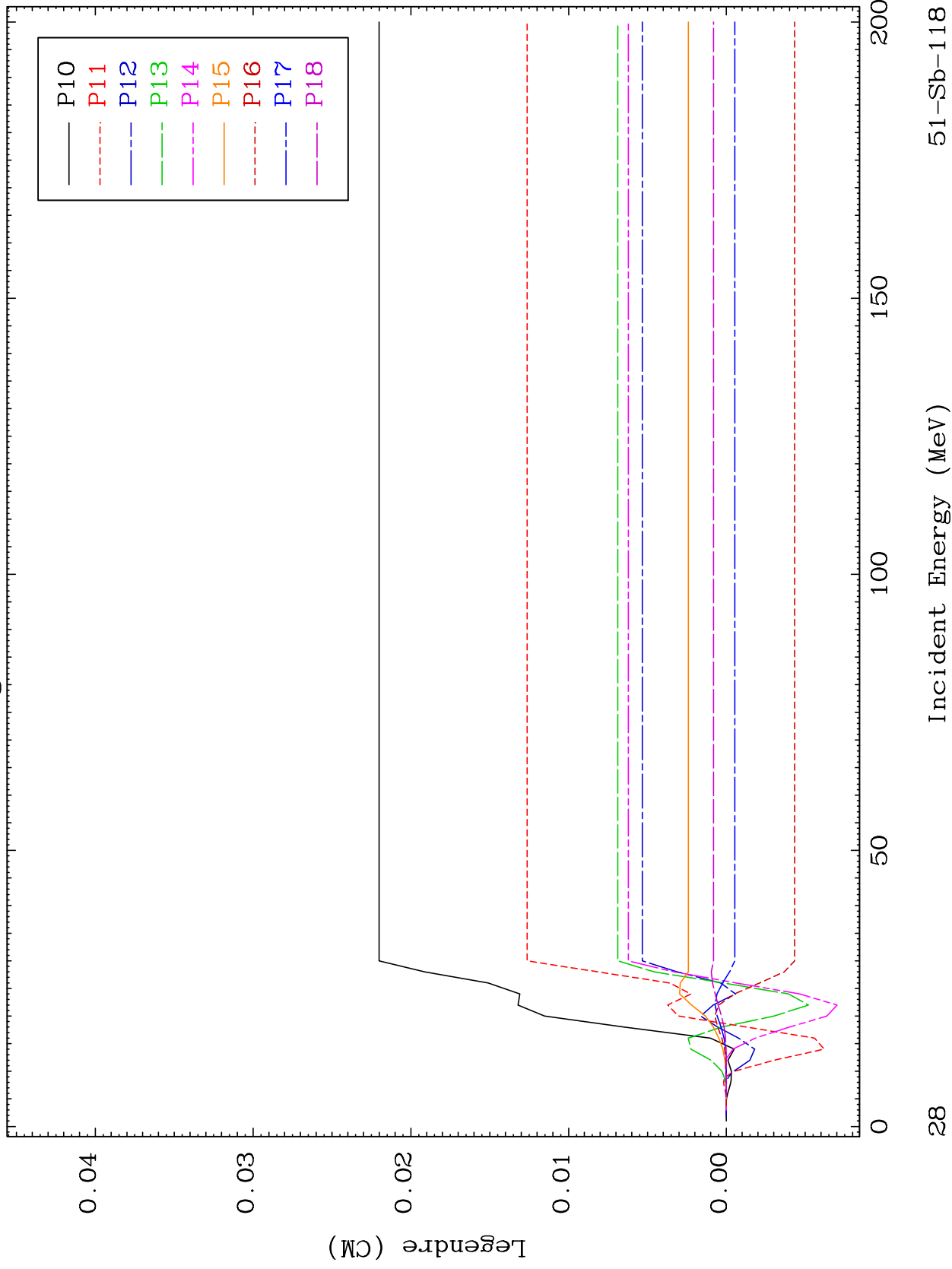
Incident Energy (MeV)

27

MAT 51116

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

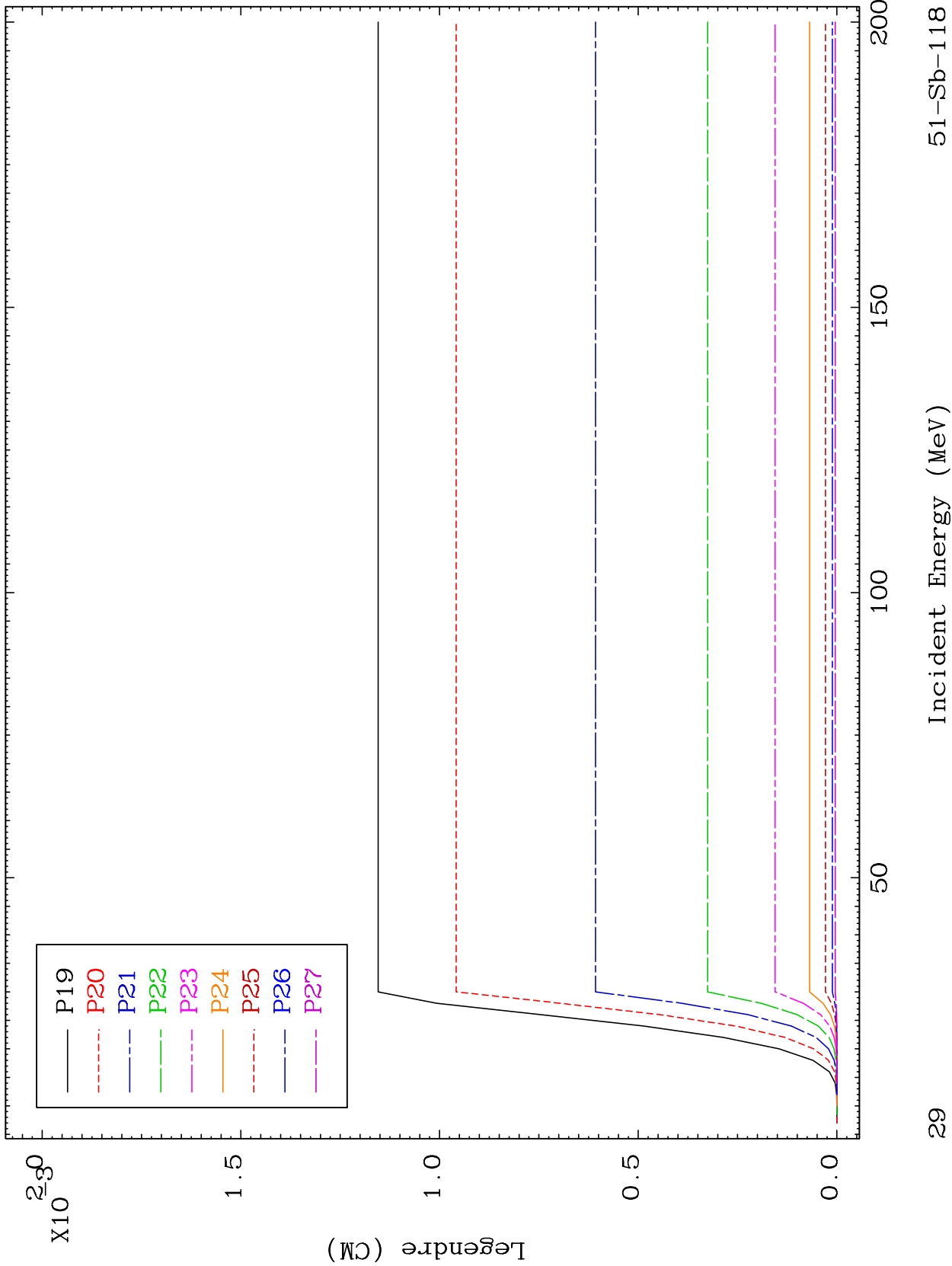
51-Sb-118



51-Sb-118

Incident Energy (MeV)

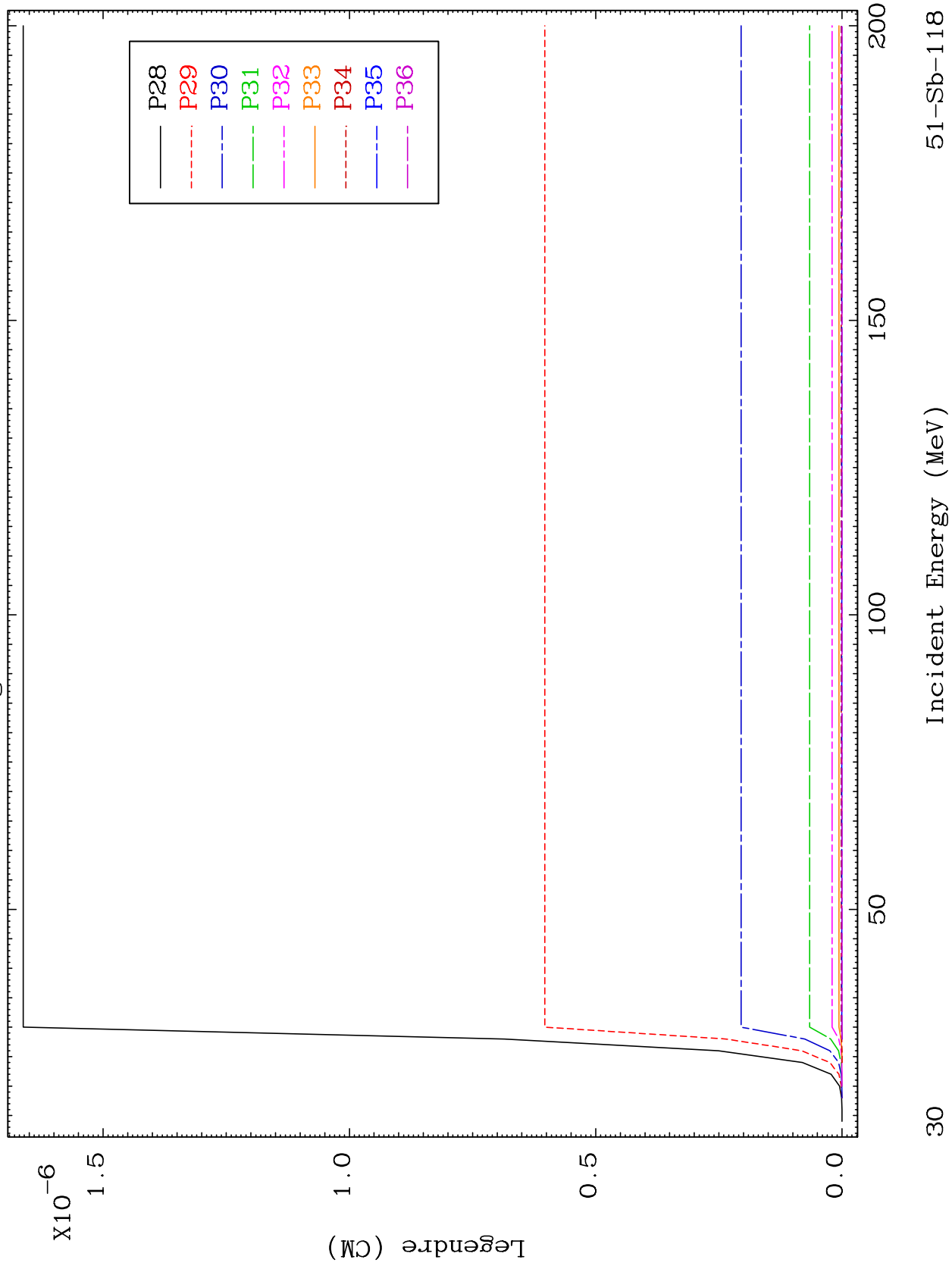
28

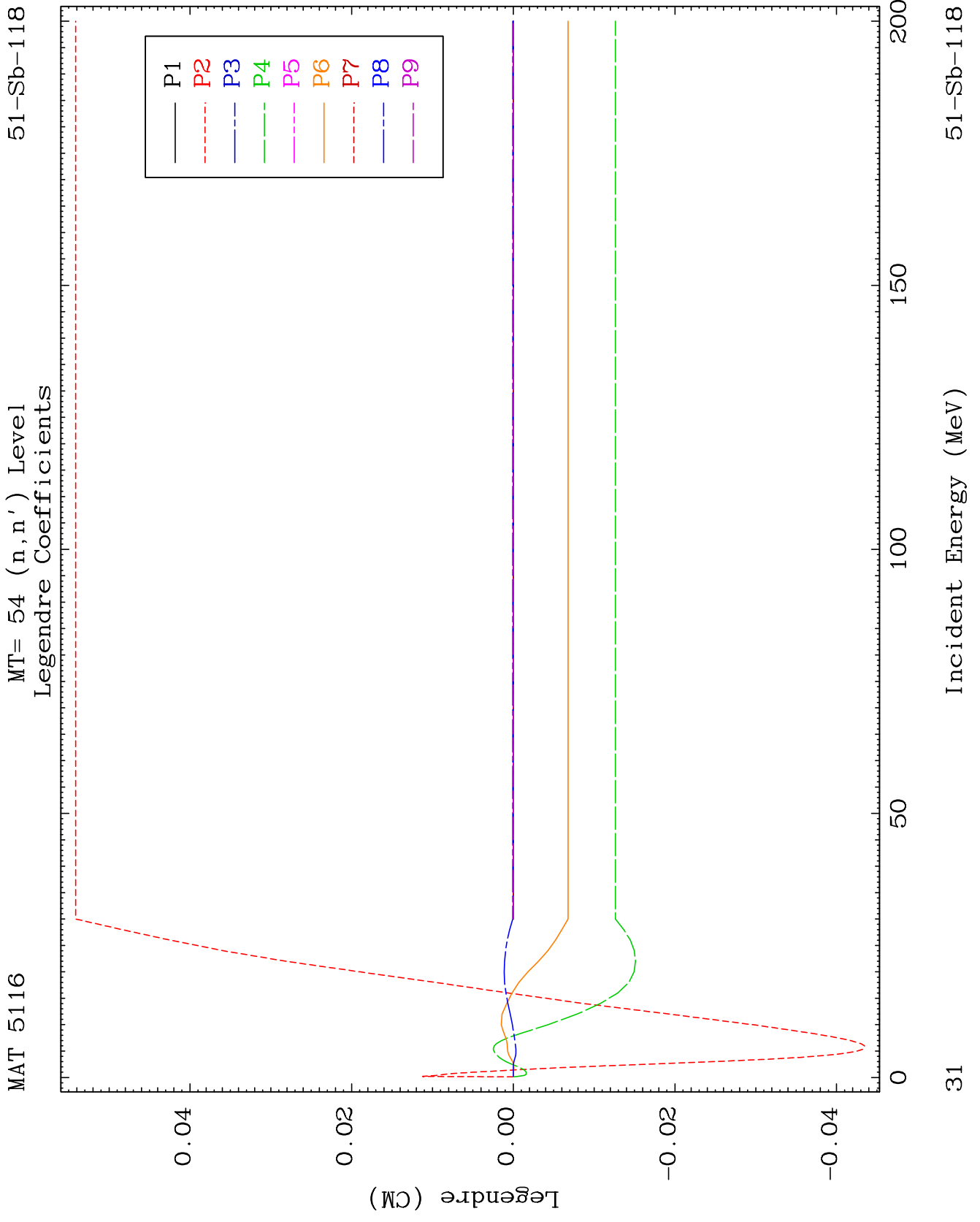


MAT 51116

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

51-Sb-118

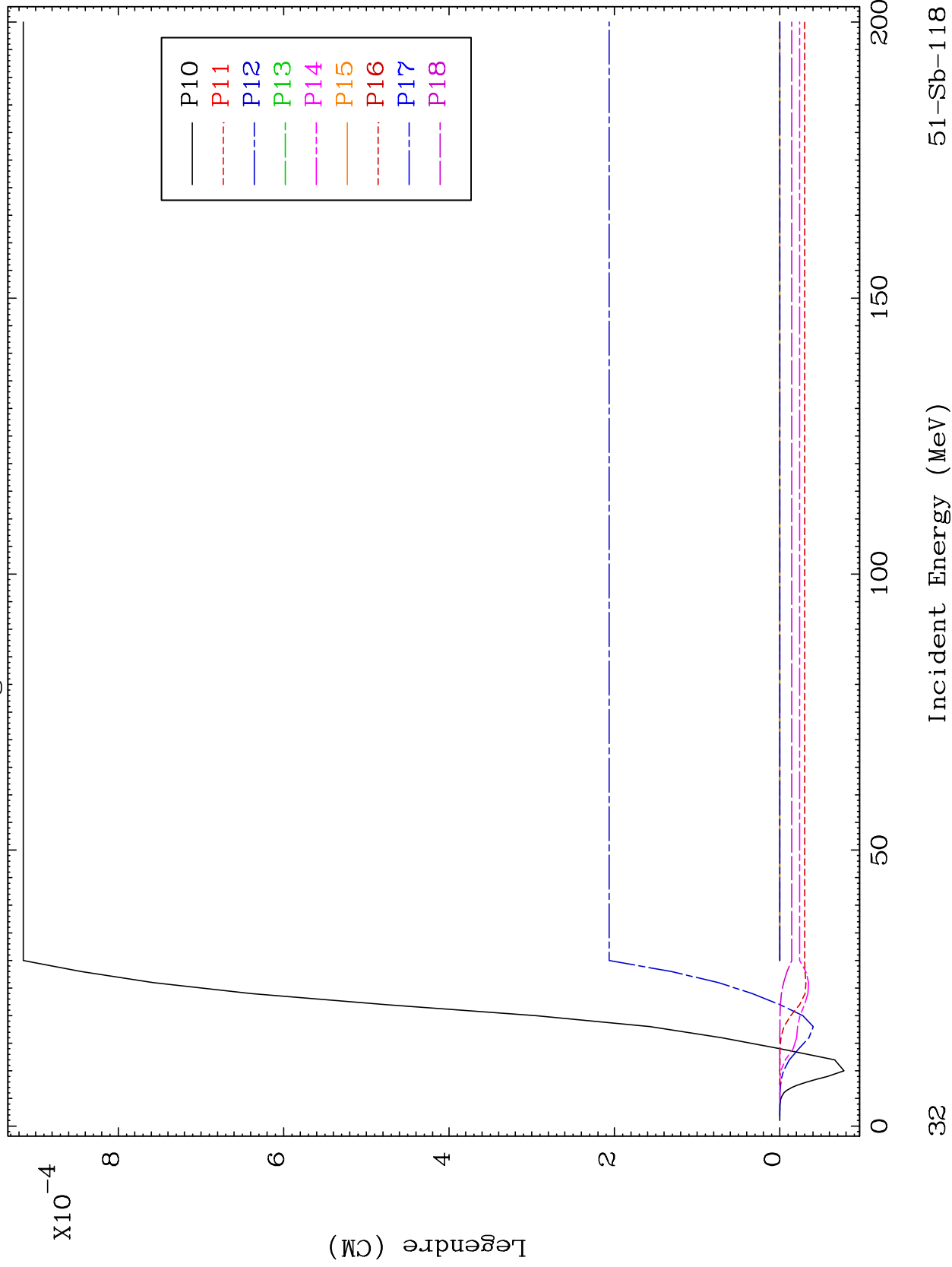




MAT 51116

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

51-Sb-118



51-Sb-118

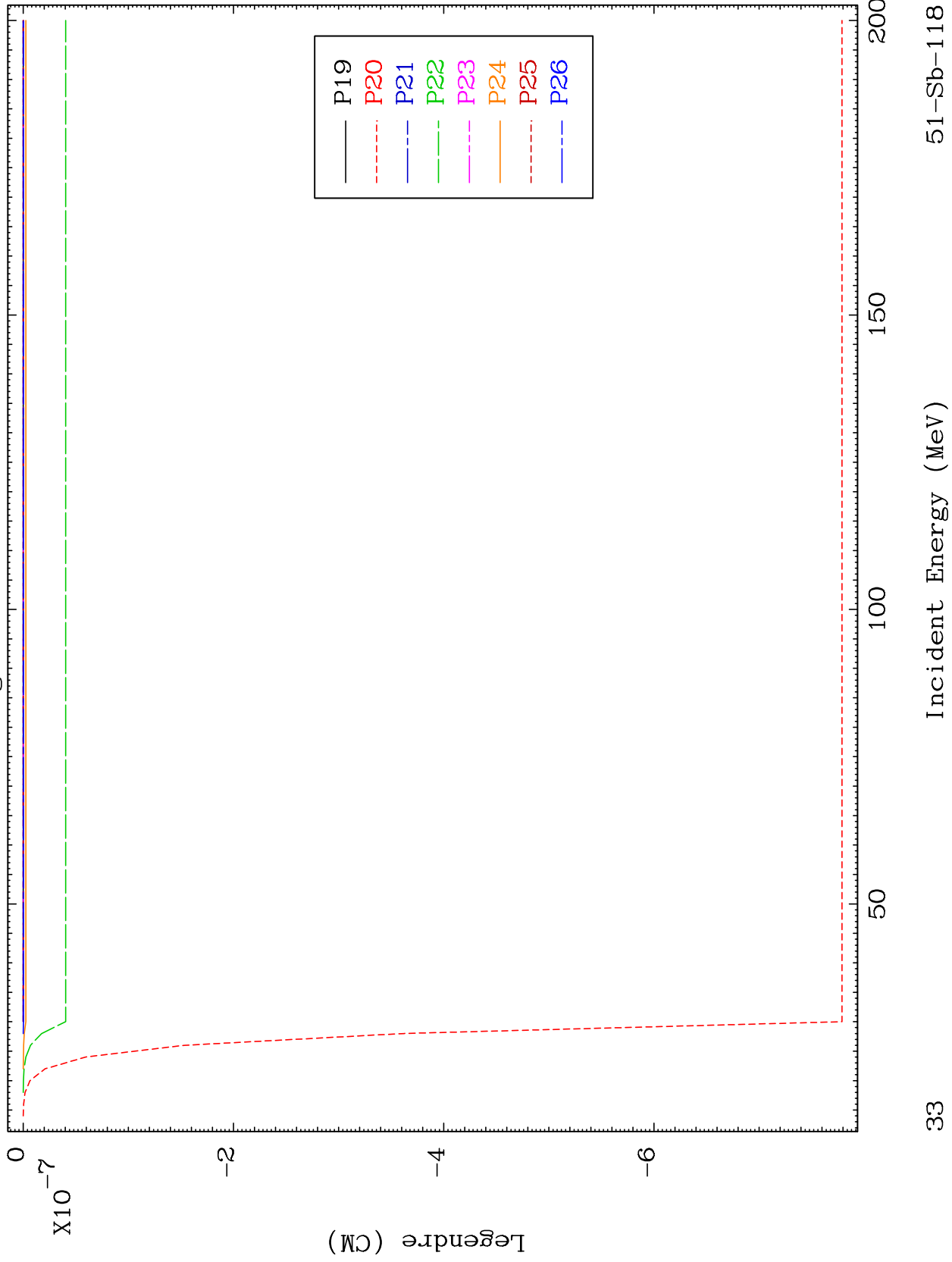
Incident Energy (MeV)

32

MAT 5116

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

51-Sb-118



33

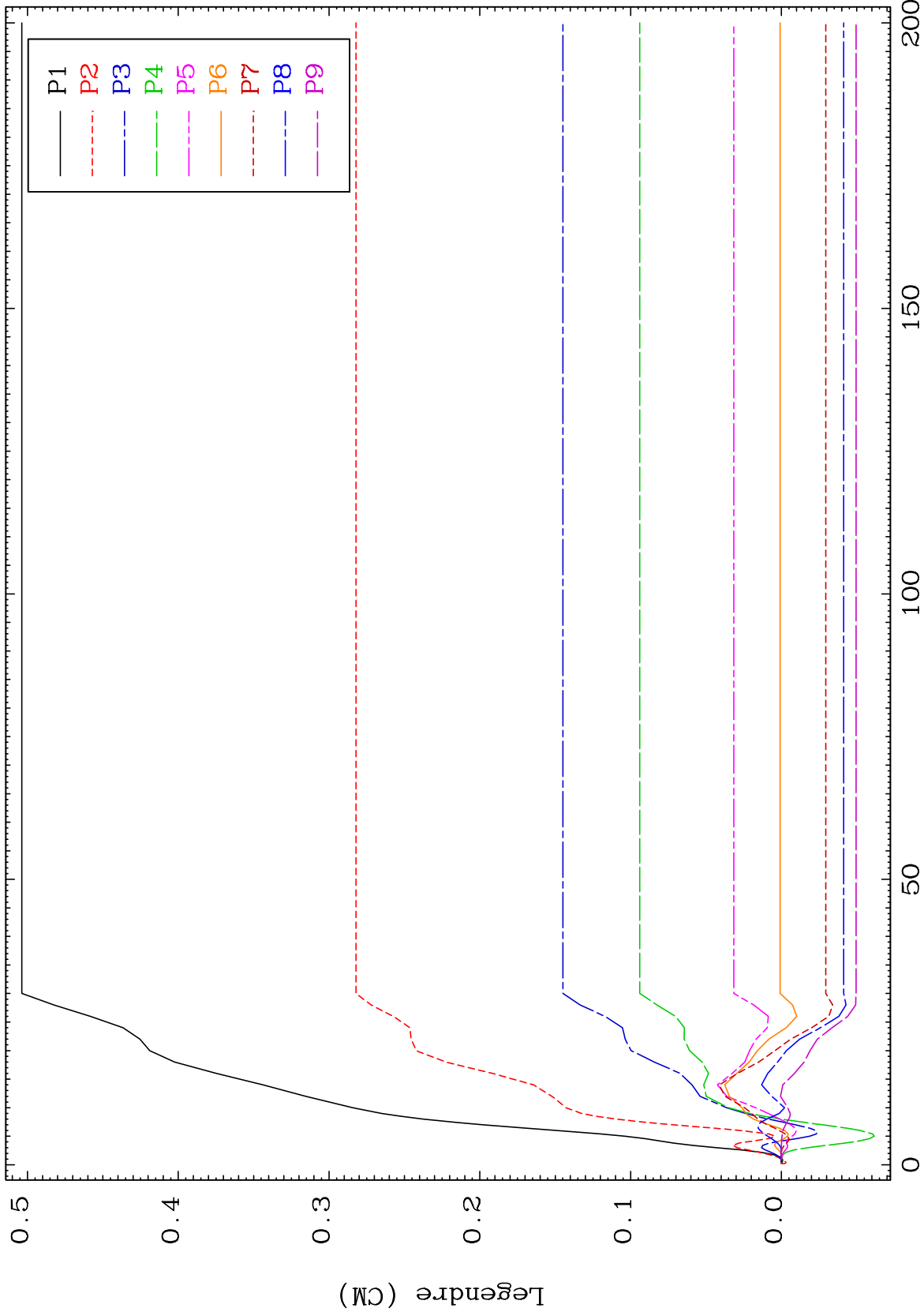
51-Sb-118

MAT 5116

MT= 55 (n,n') Level

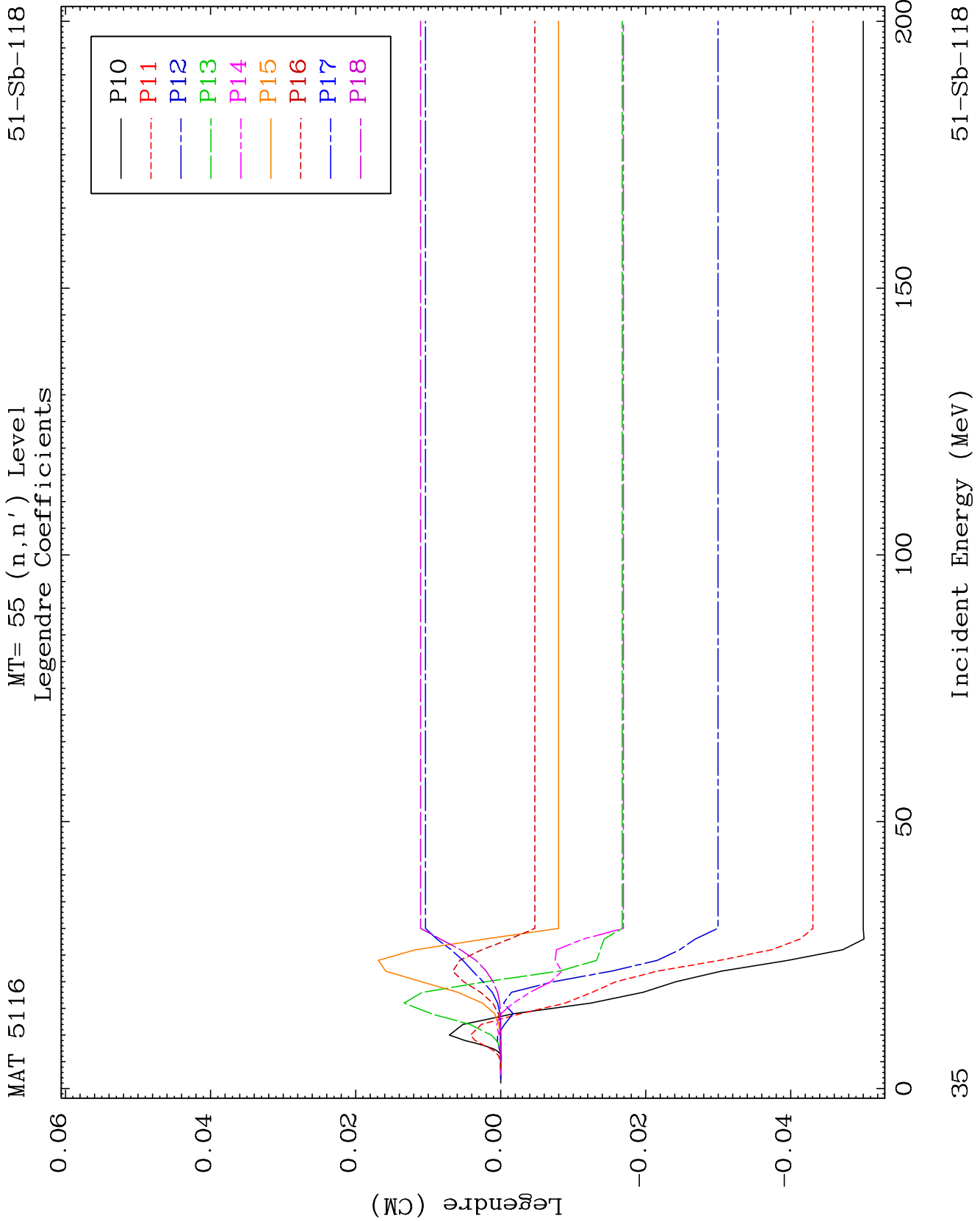
51-Sb-118

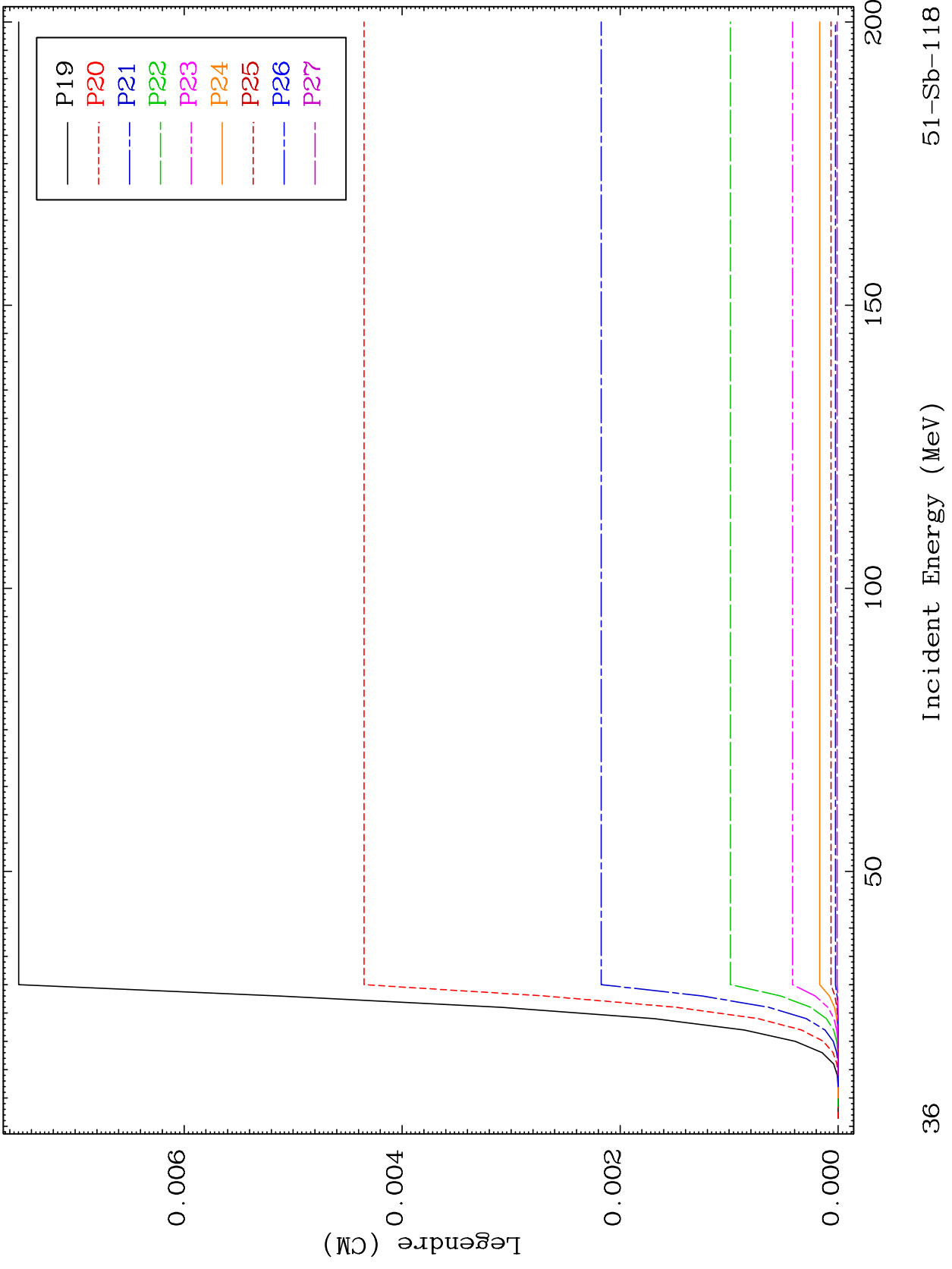
Legendre Coefficients



34

51-Sb-118

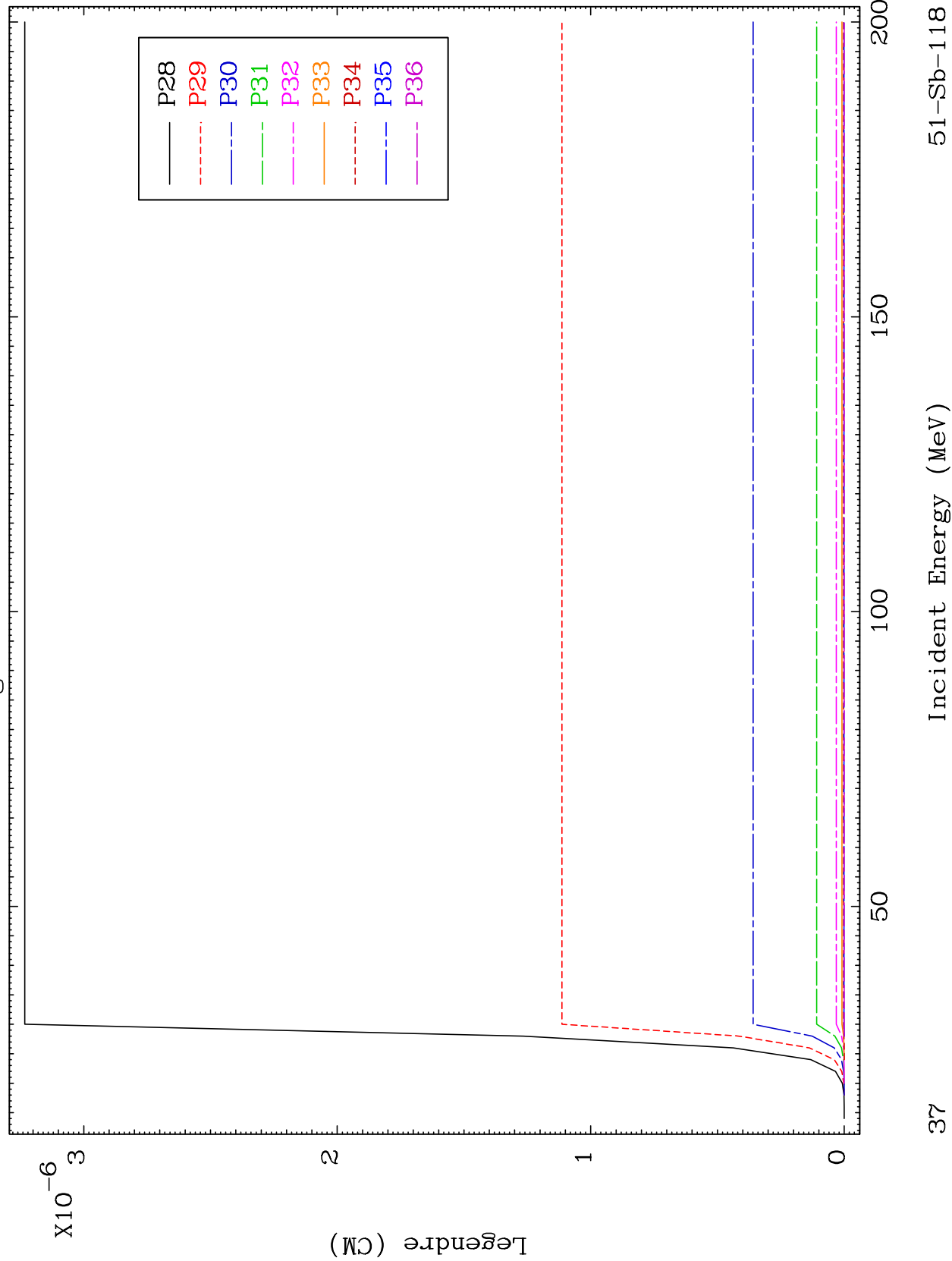




MAT 5116

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

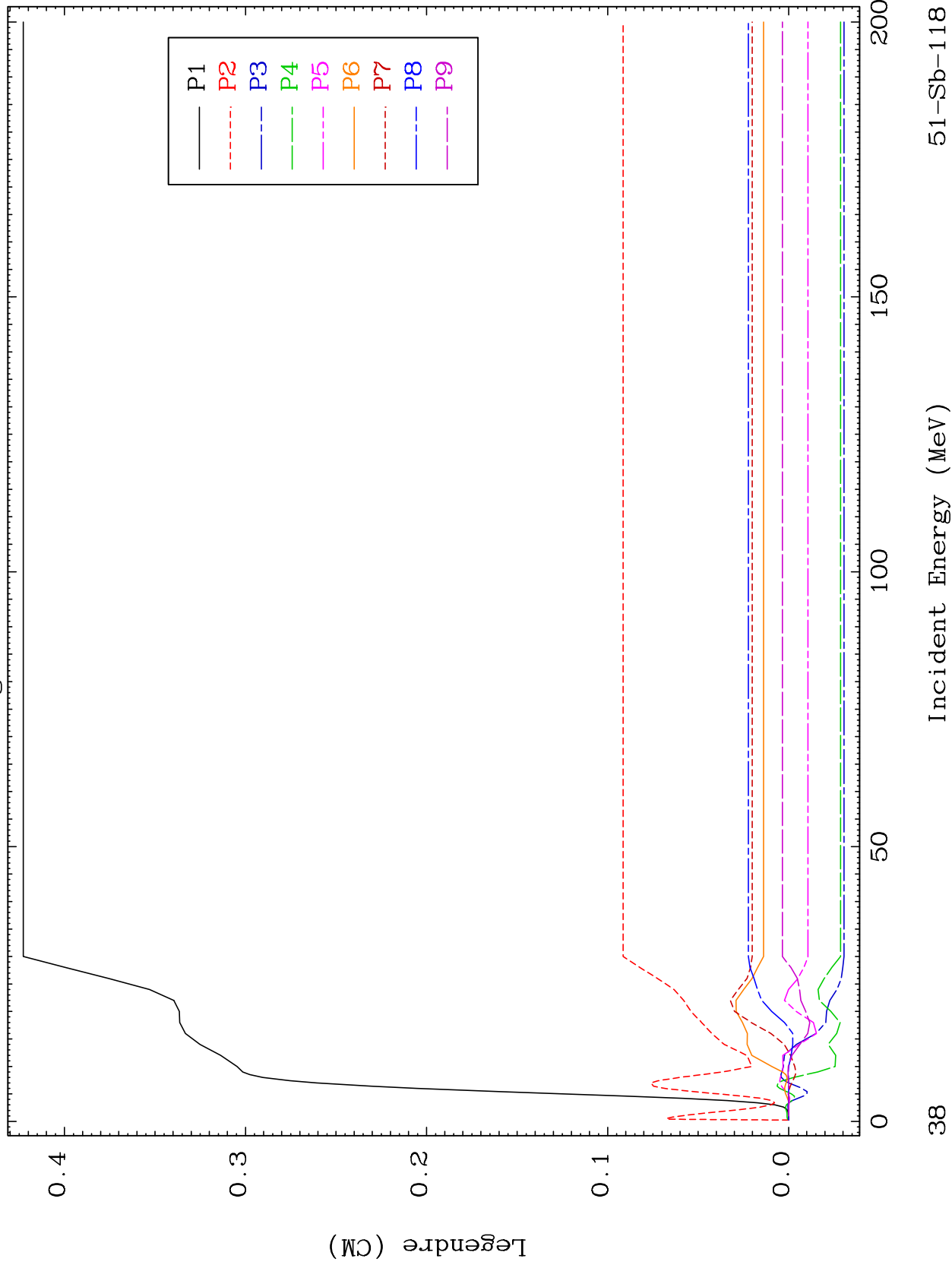
51-Sb-118



MAT 5116

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

51-Sb-118



51-Sb-118

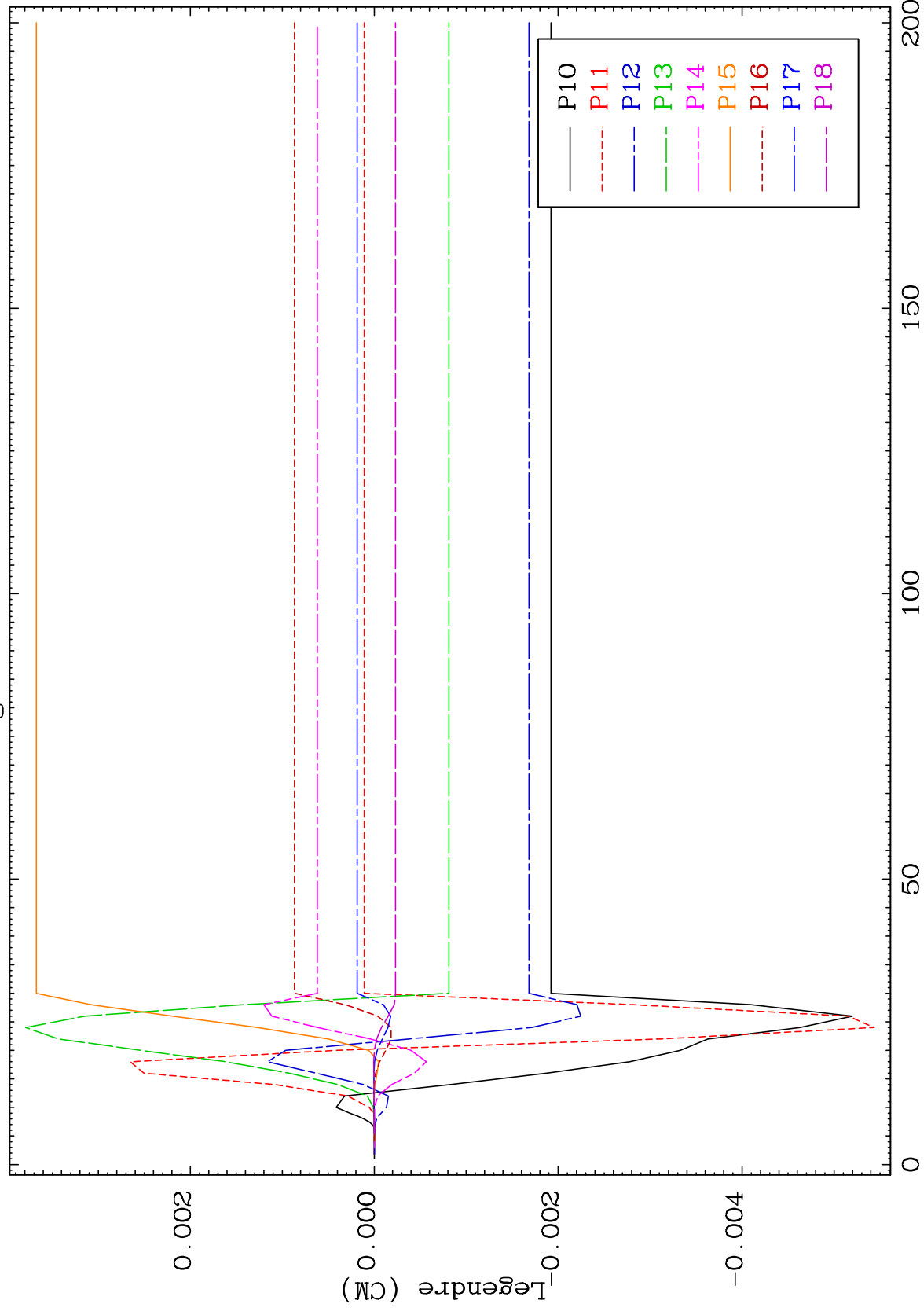
Incident Energy (MeV)

38

MAT 5116

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

51-Sb-118



39

Incident Energy (MeV)

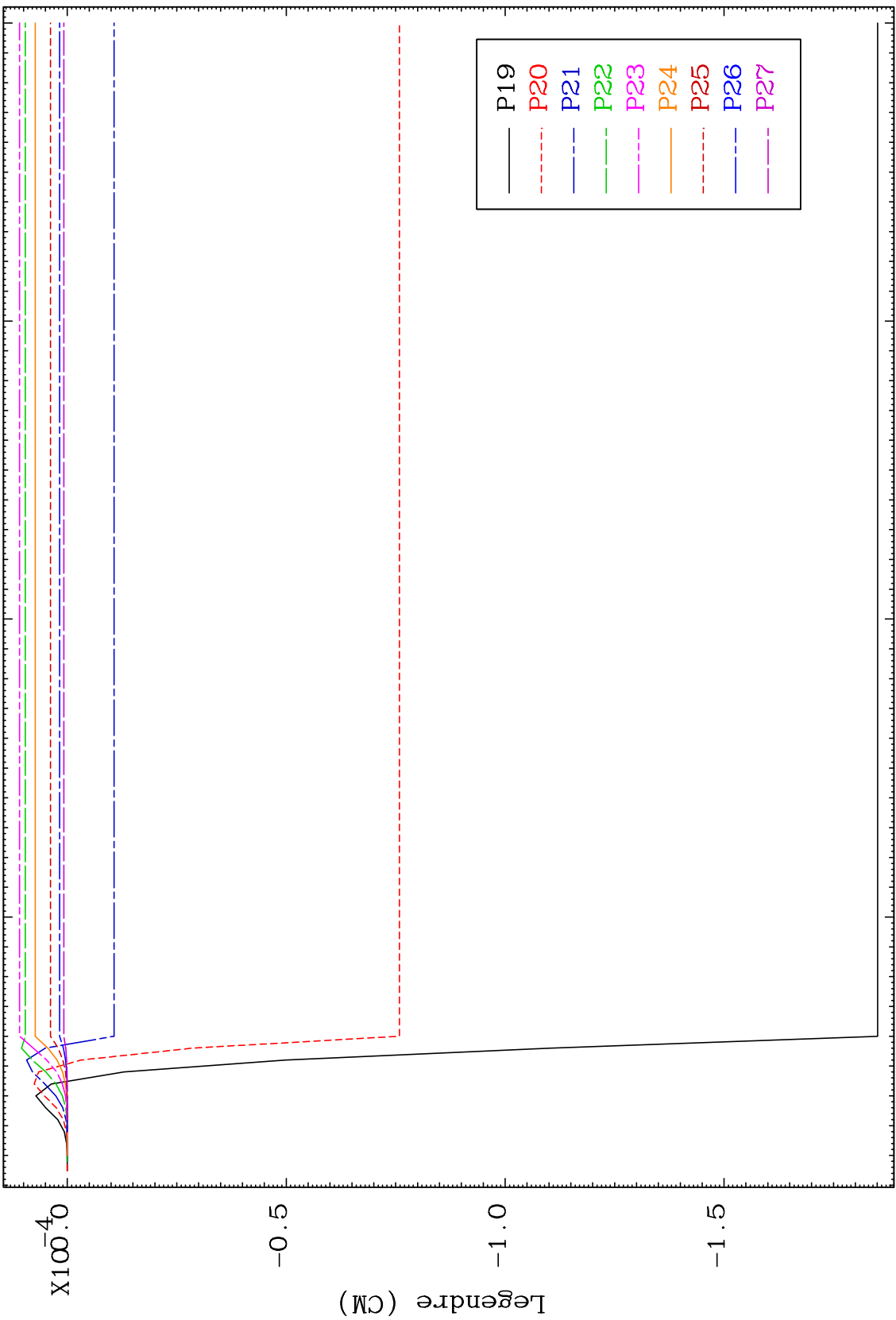
51-Sb-118

MAT 5116

MT= 56 (n,n') Level

51-Sb-118

Legendre Coefficients



51-Sb-118

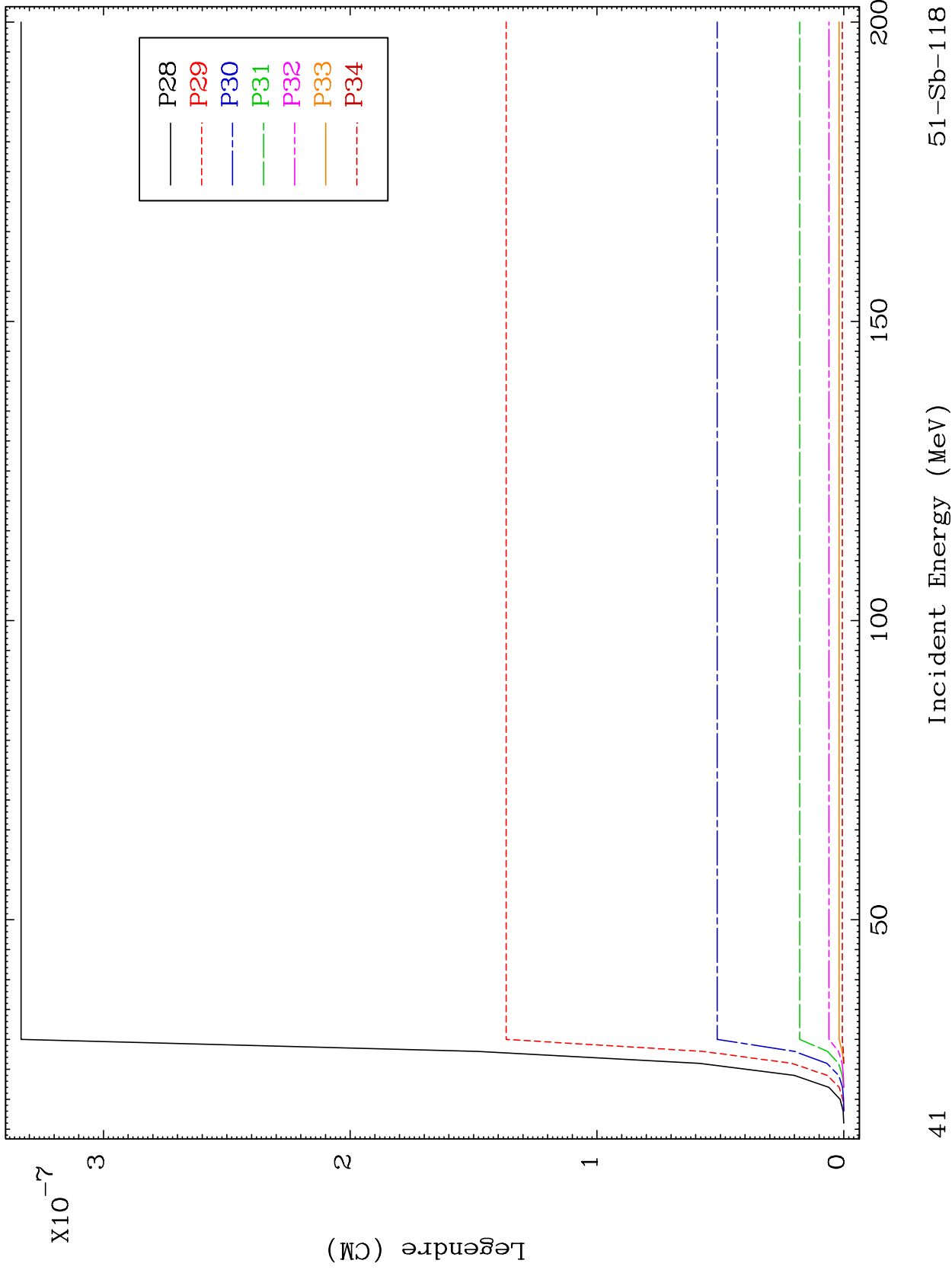
Incident Energy (MeV)

40

MAT 5116

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

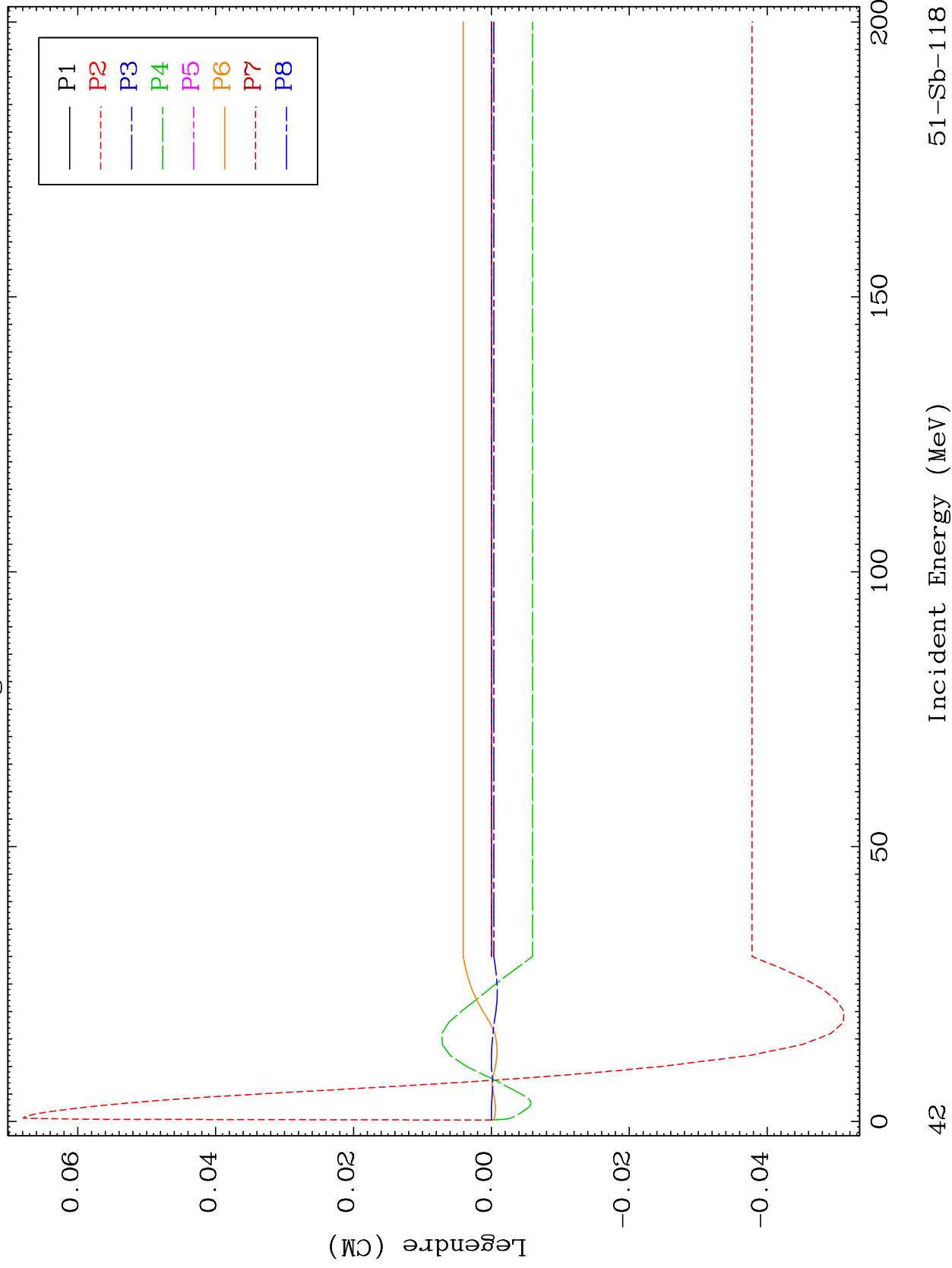
51-Sb-118



MAT 5116

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

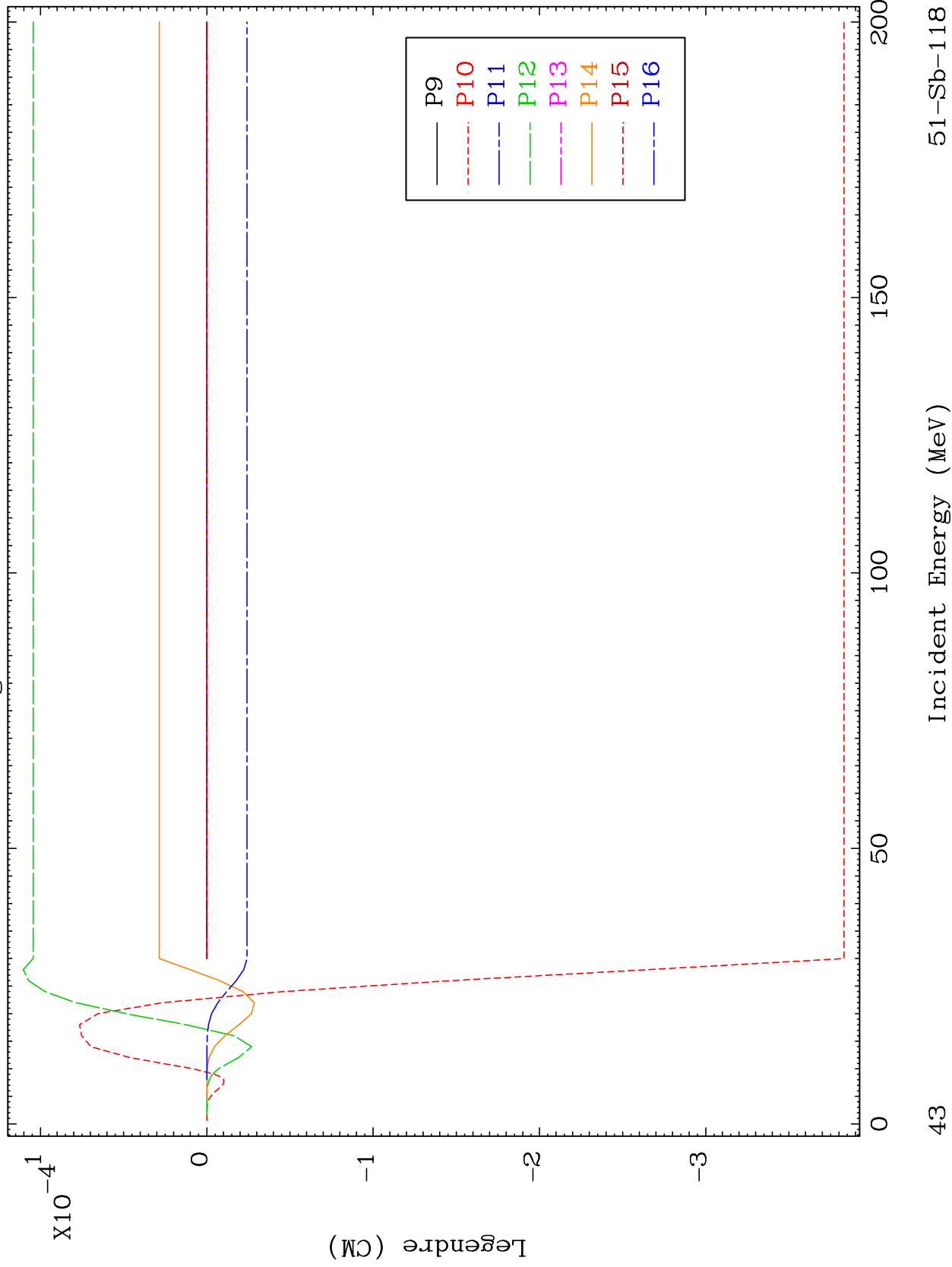
51-Sb-118



MAT 5116

51-Sb-118

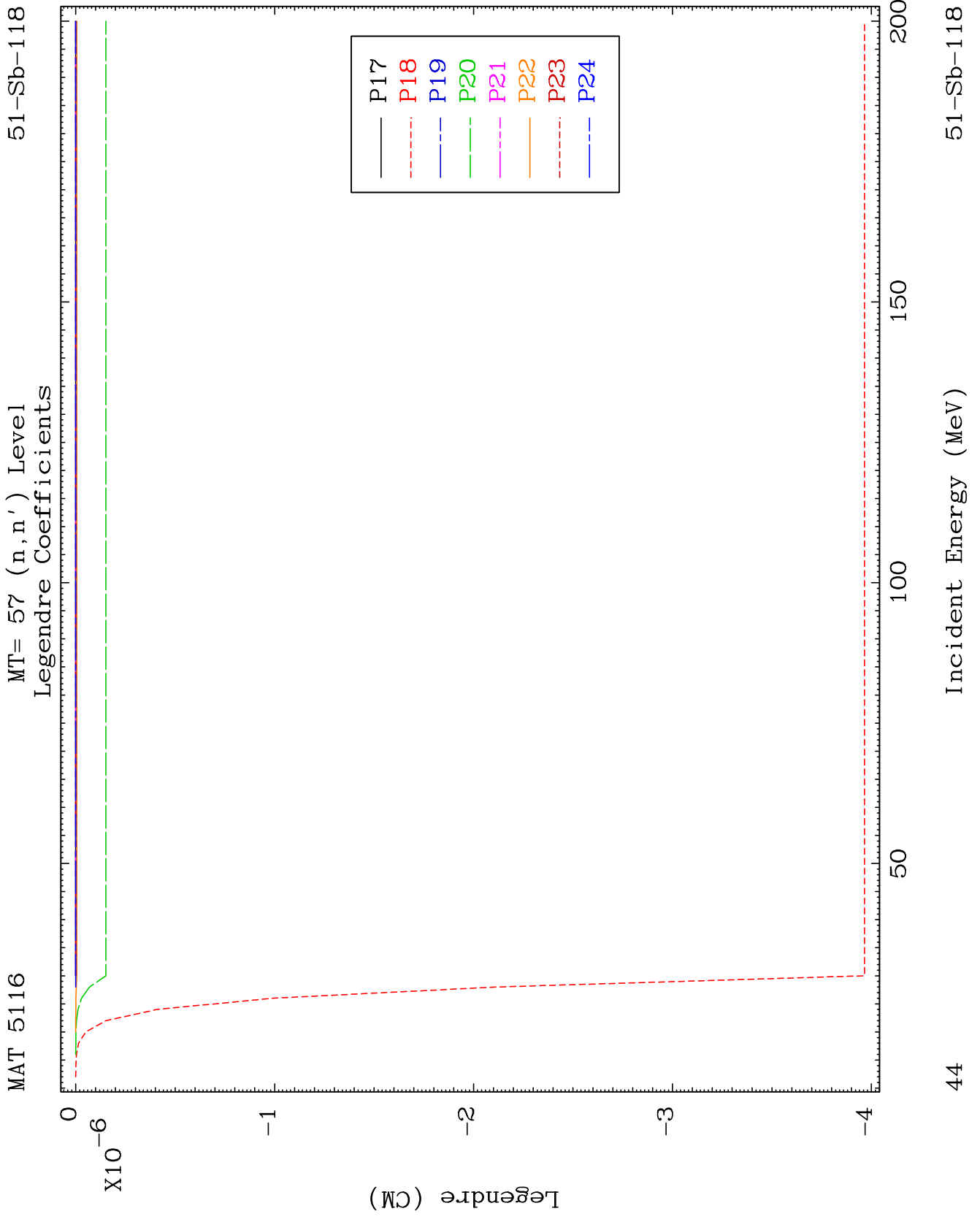
MT= 57 (n,n') Level
Legendre Coefficients



51-Sb-118

Incident Energy (MeV)

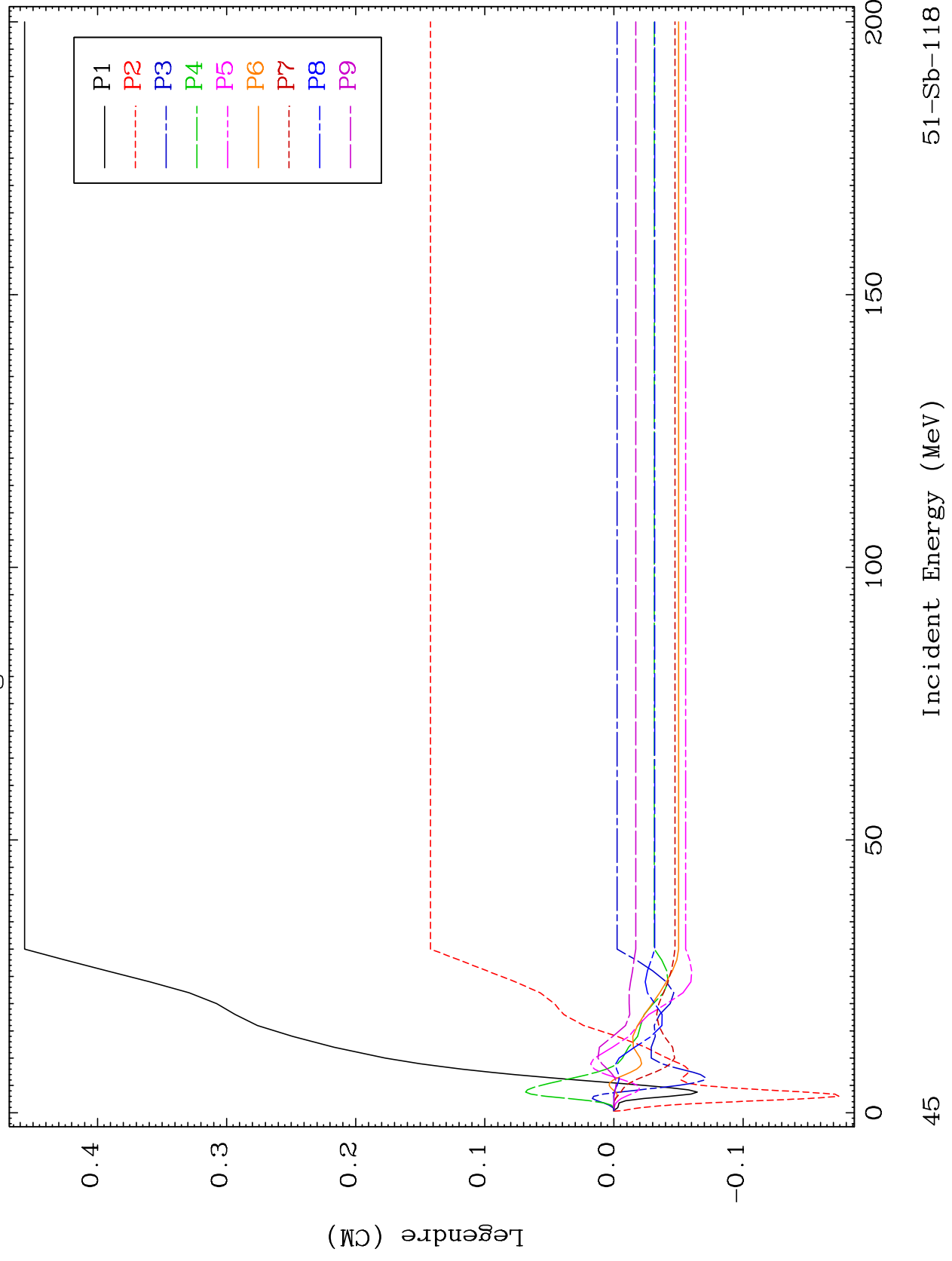
43



MAT 5116

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

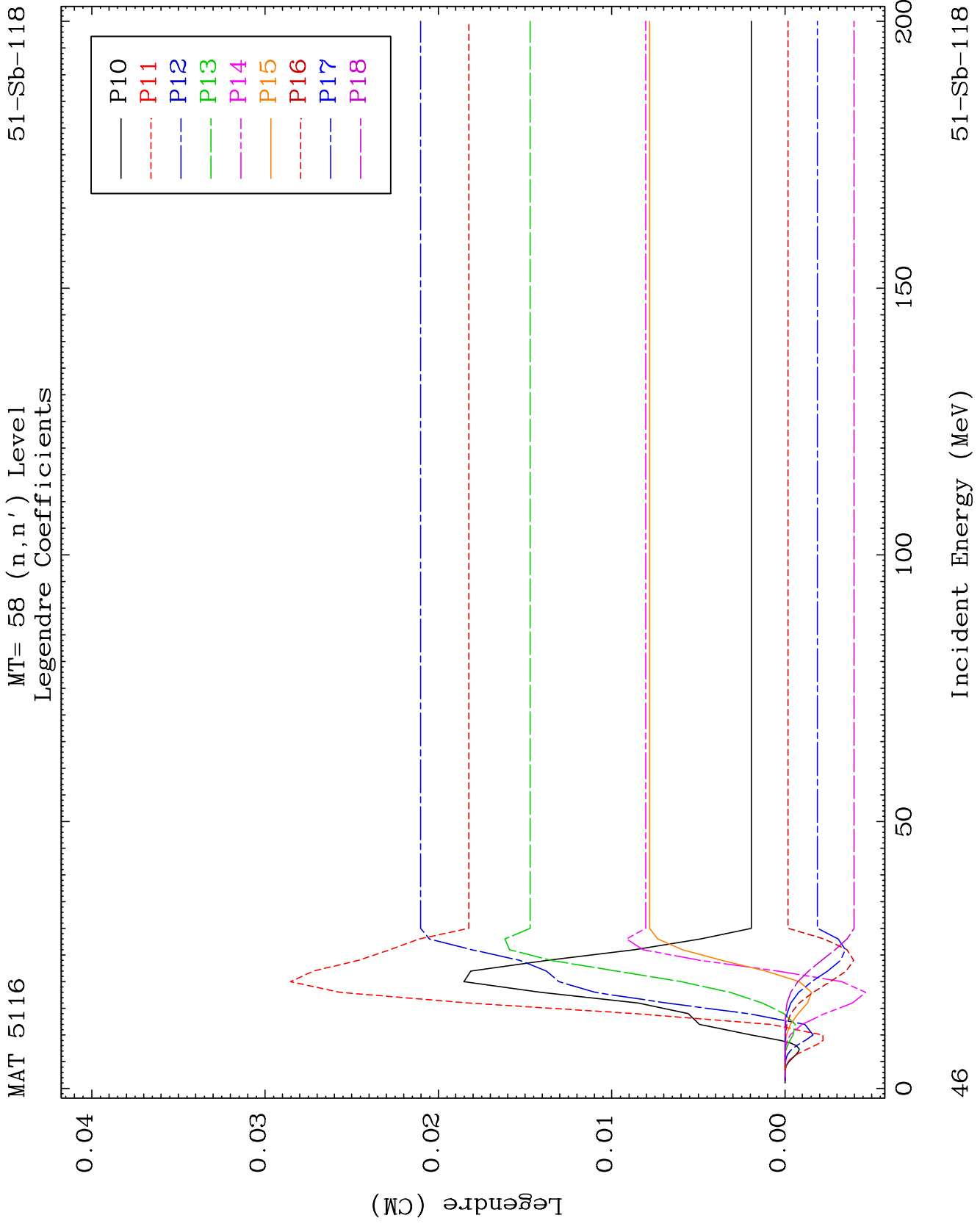
51-Sb-118



51-Sb-118

Incident Energy (MeV)

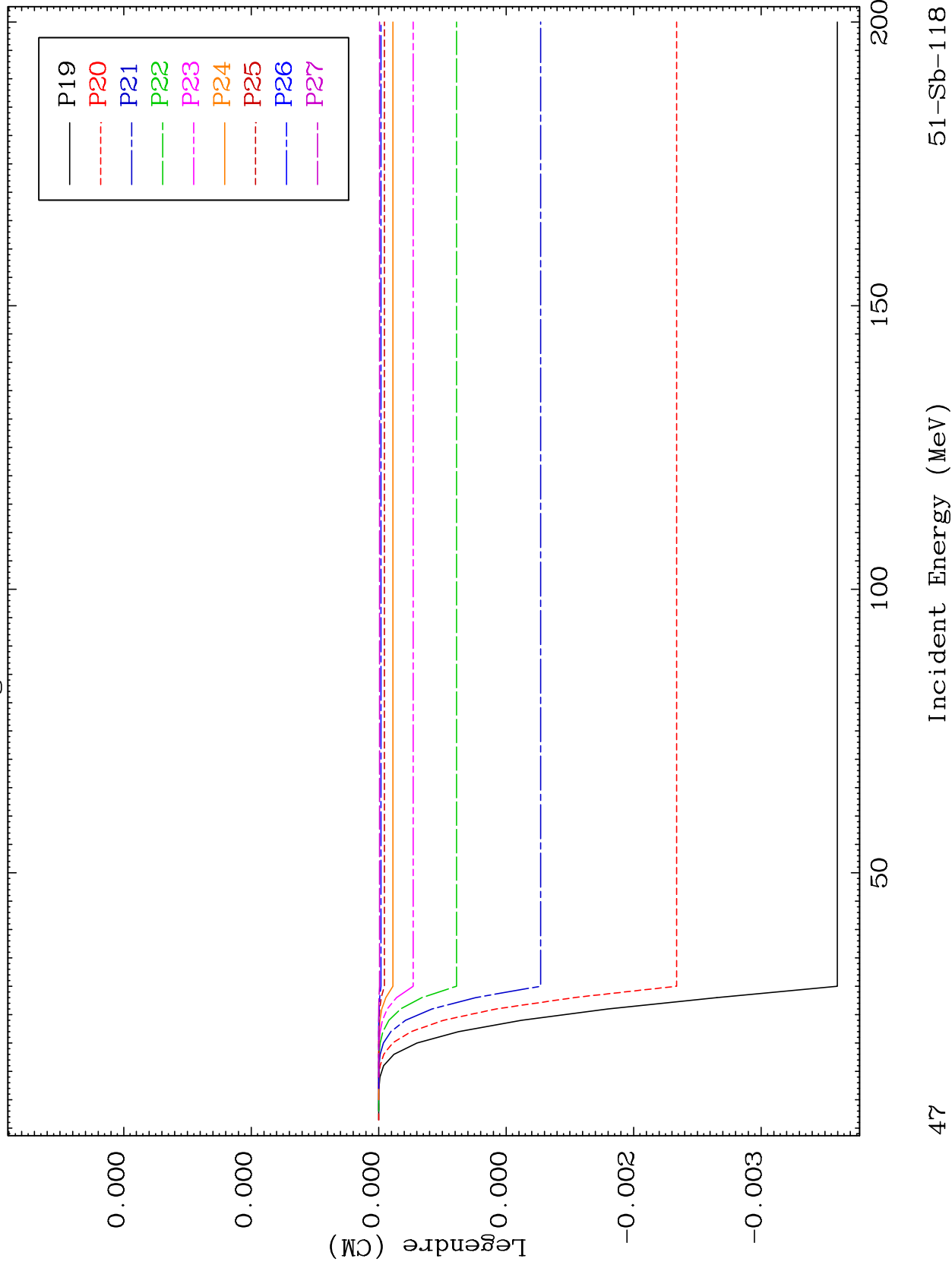
45

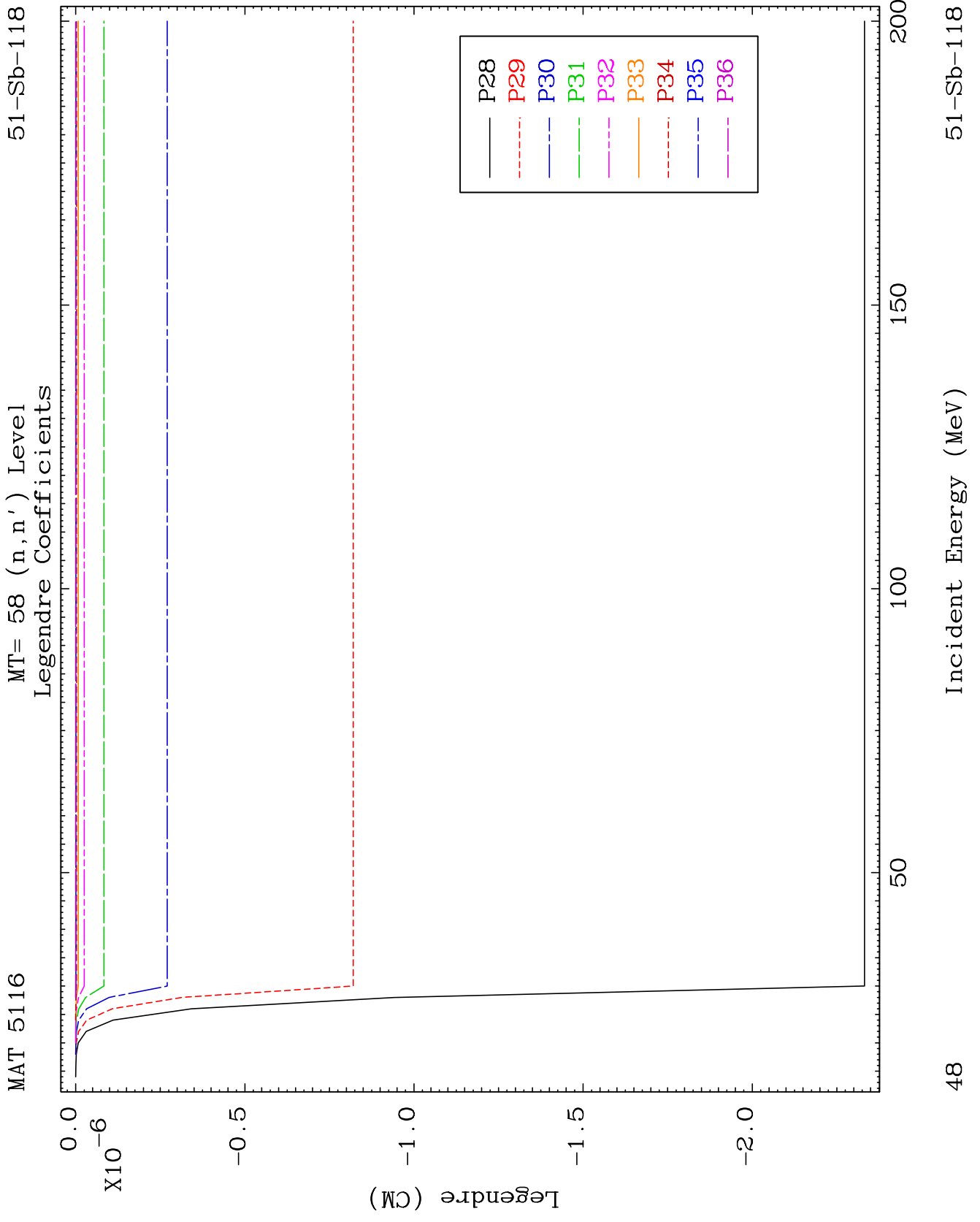


MAT 5116

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

51-Sb-118

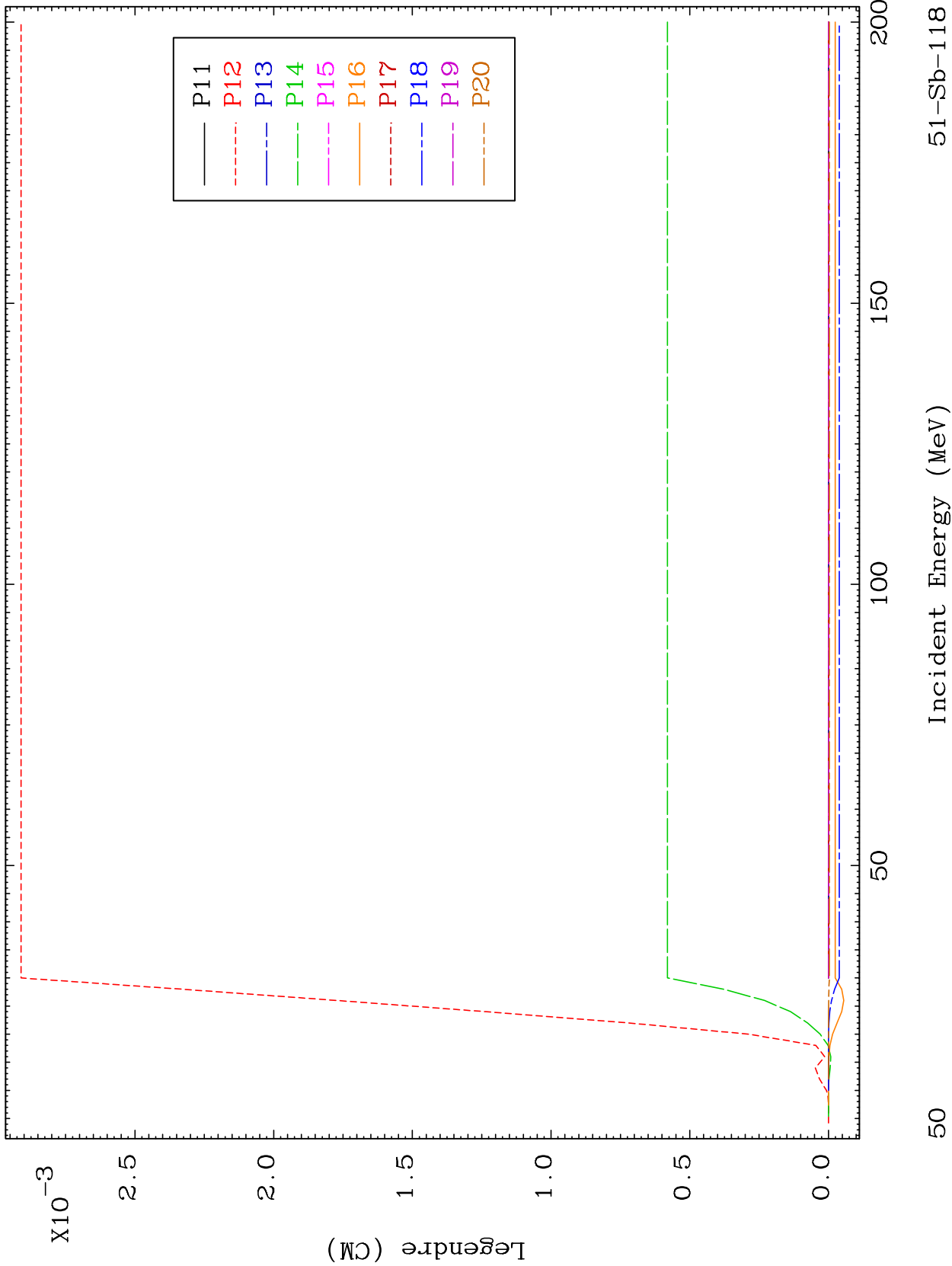




MAT 51116

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

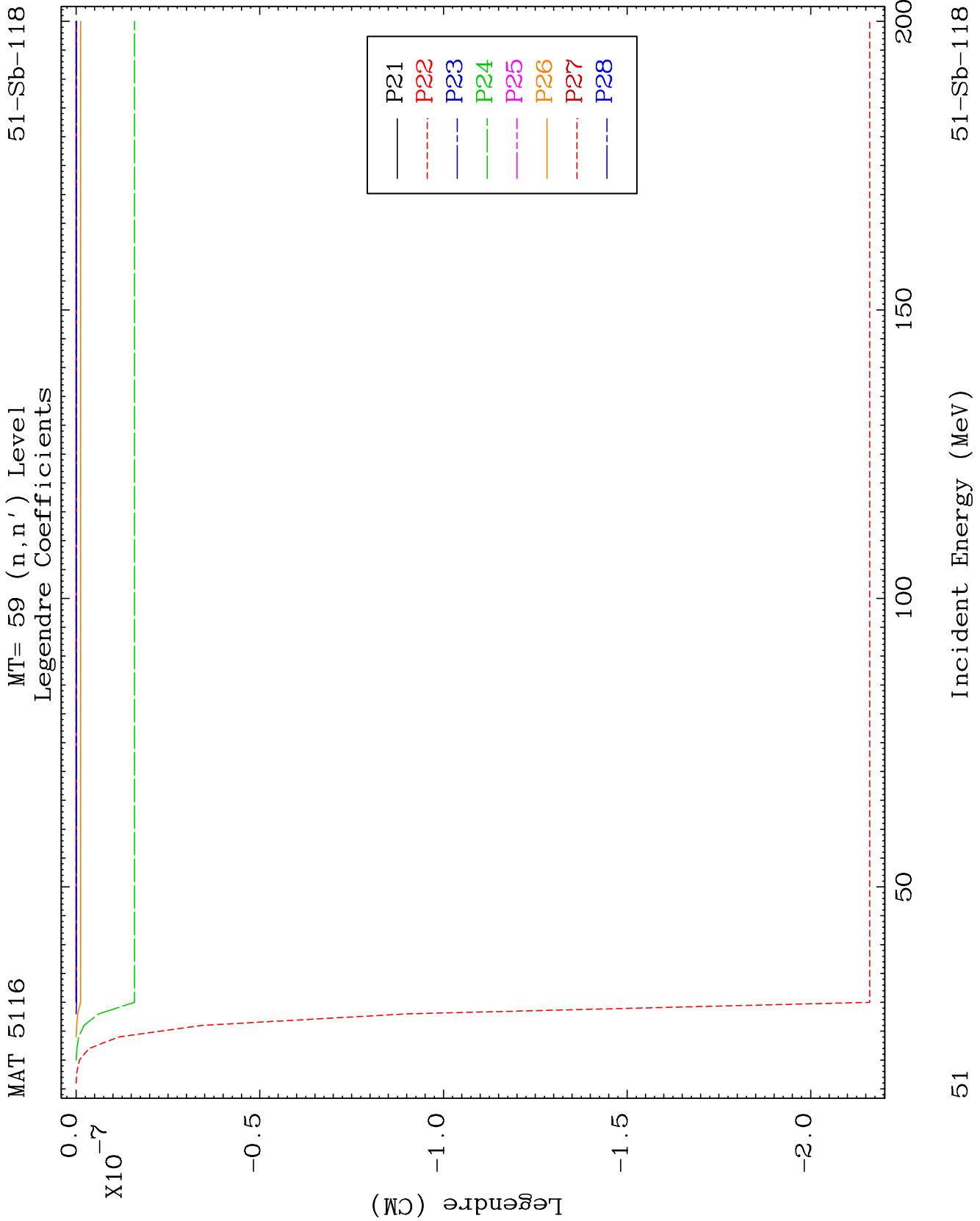
51-Sb-118



51-Sb-118

Incident Energy (MeV)

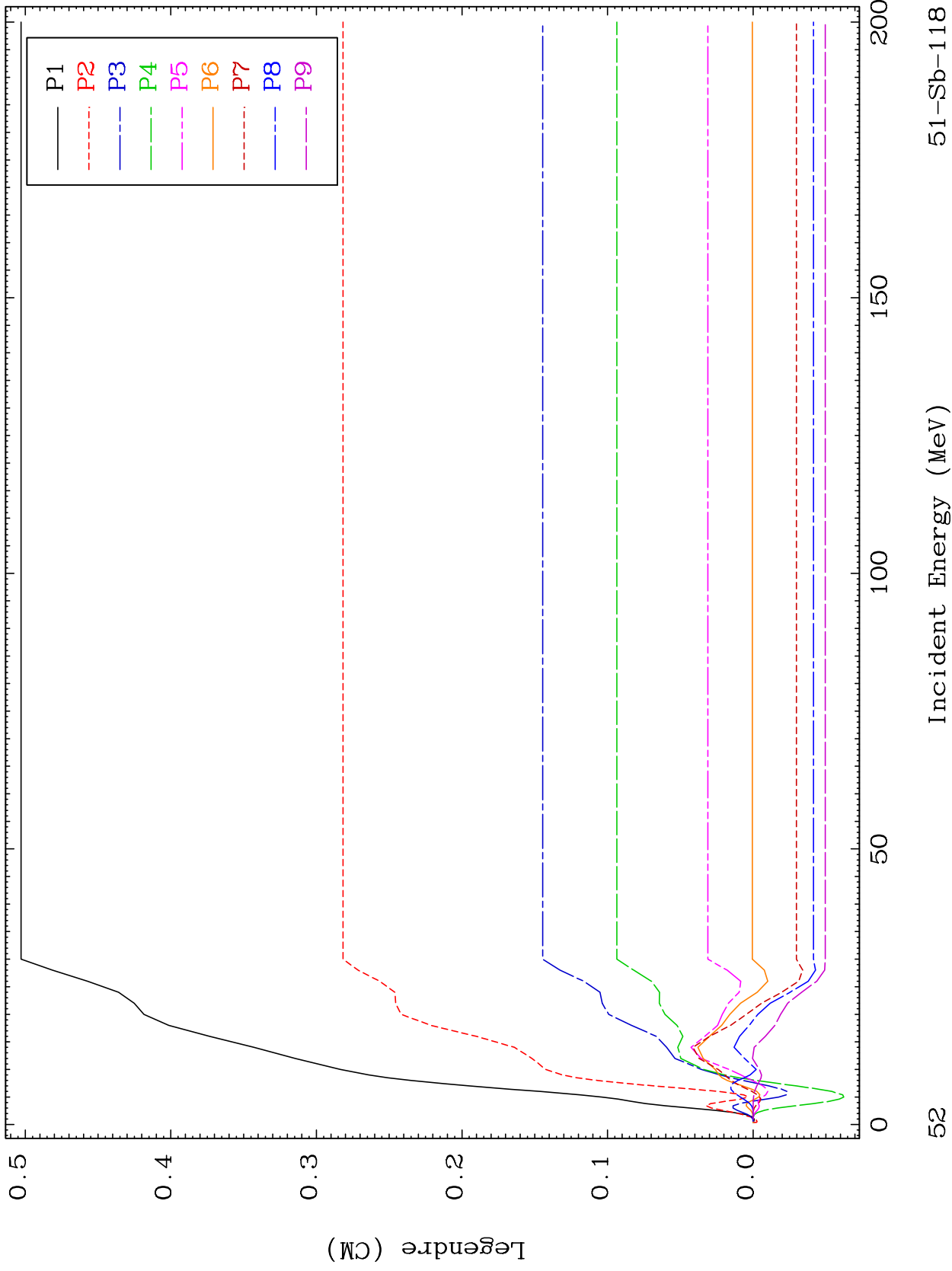
50



MAT 5116

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

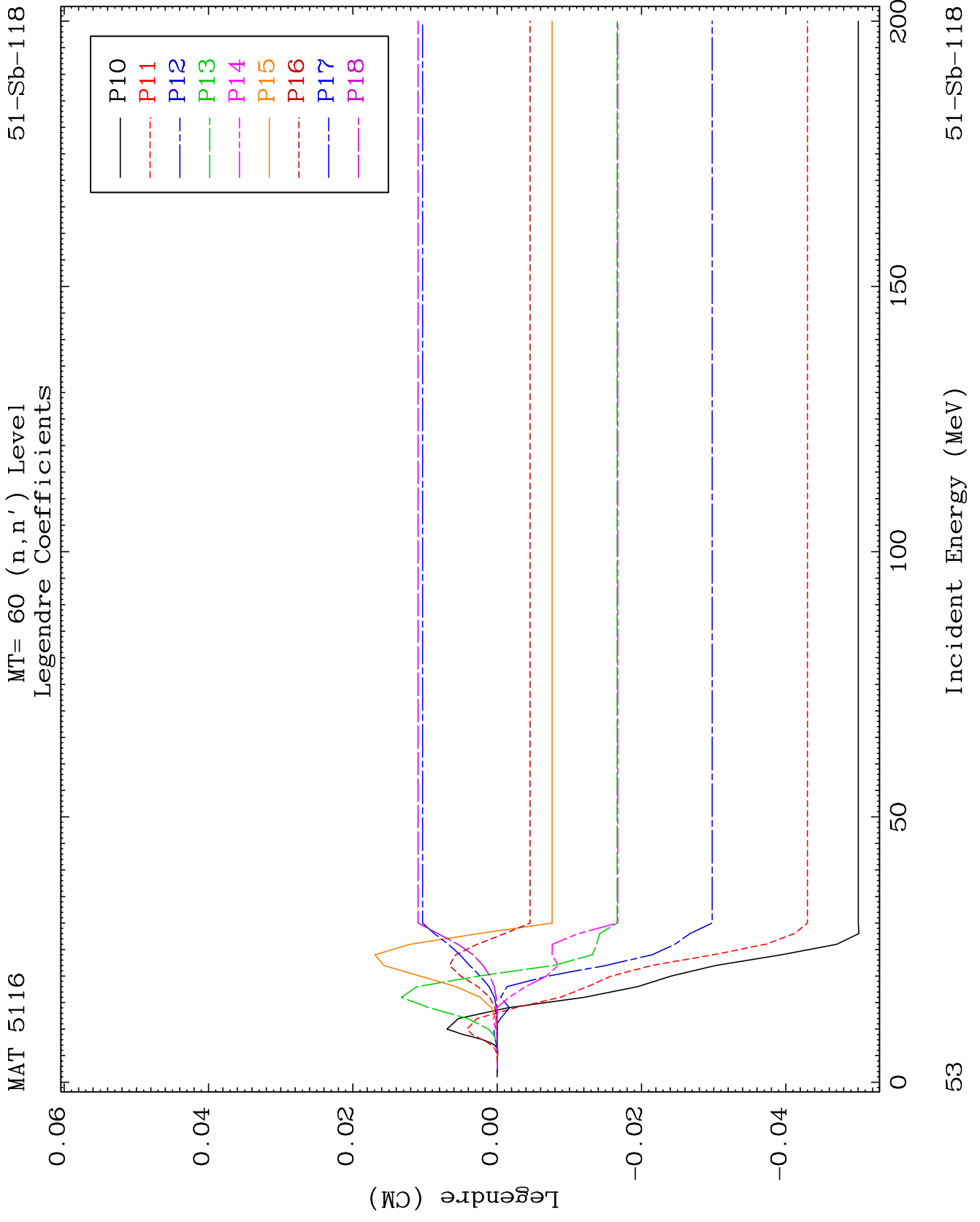
51-Sb-118



51-Sb-118

Incident Energy (MeV)

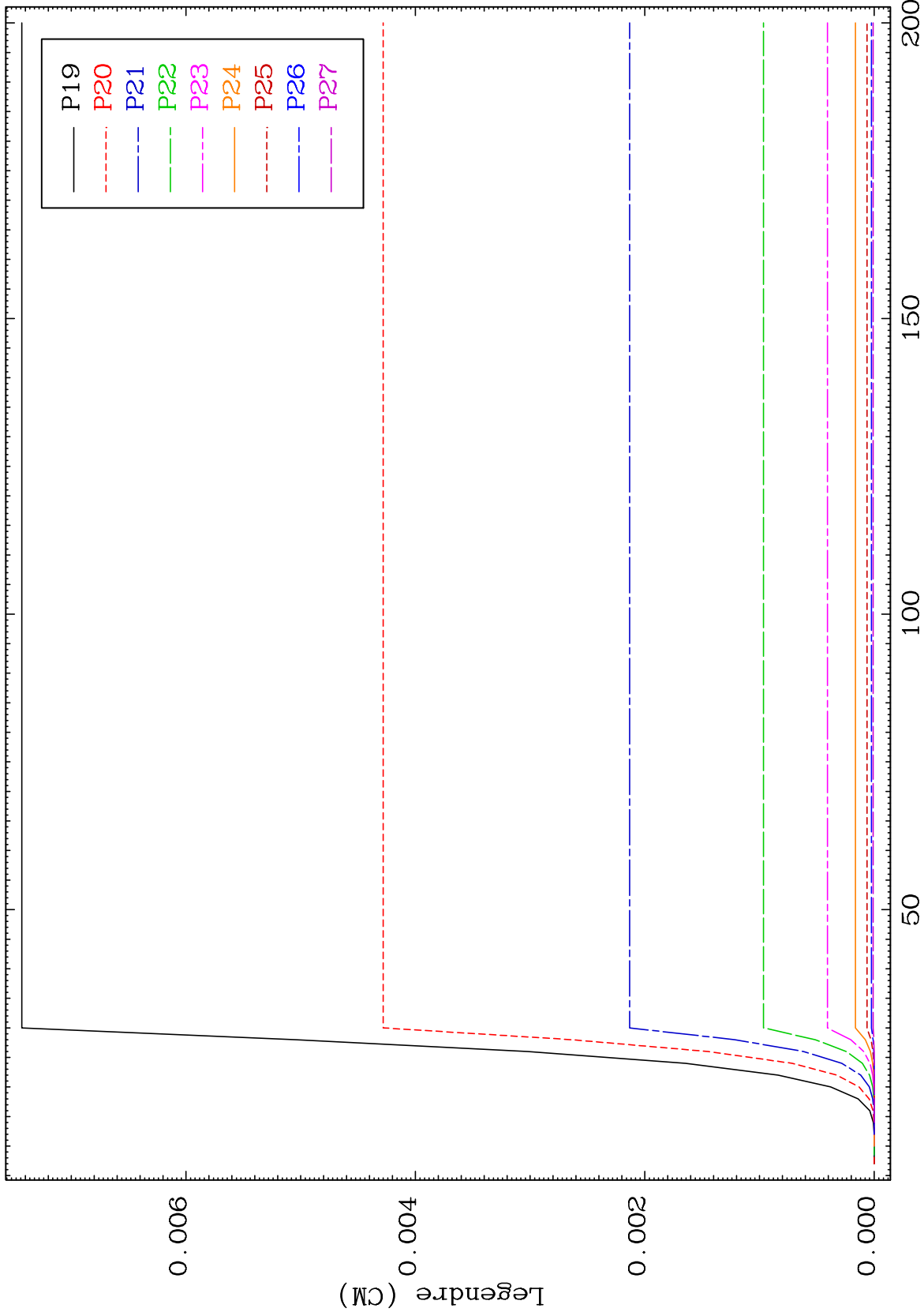
52



MAT 5116

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

51-Sb-118



54

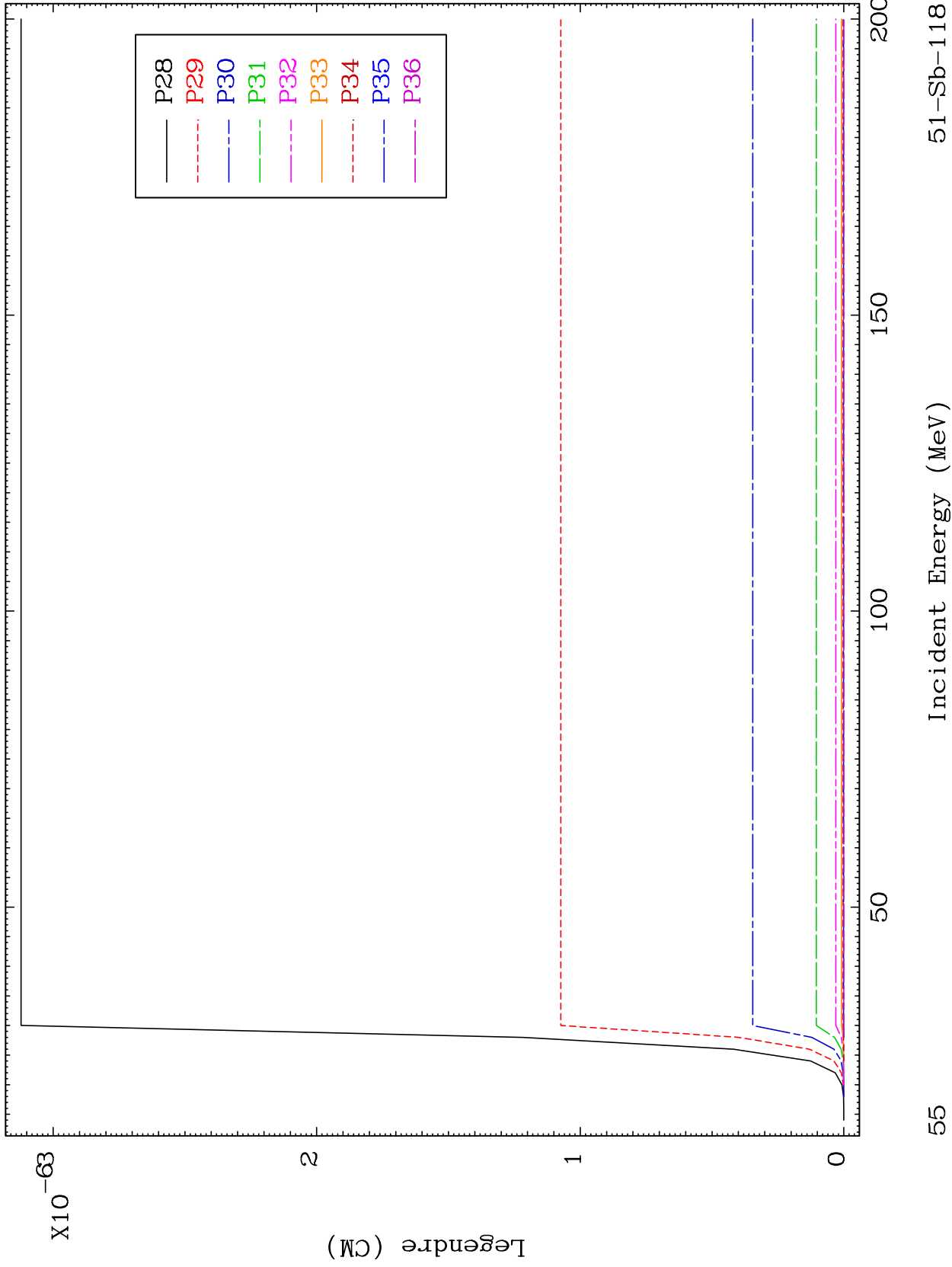
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



55

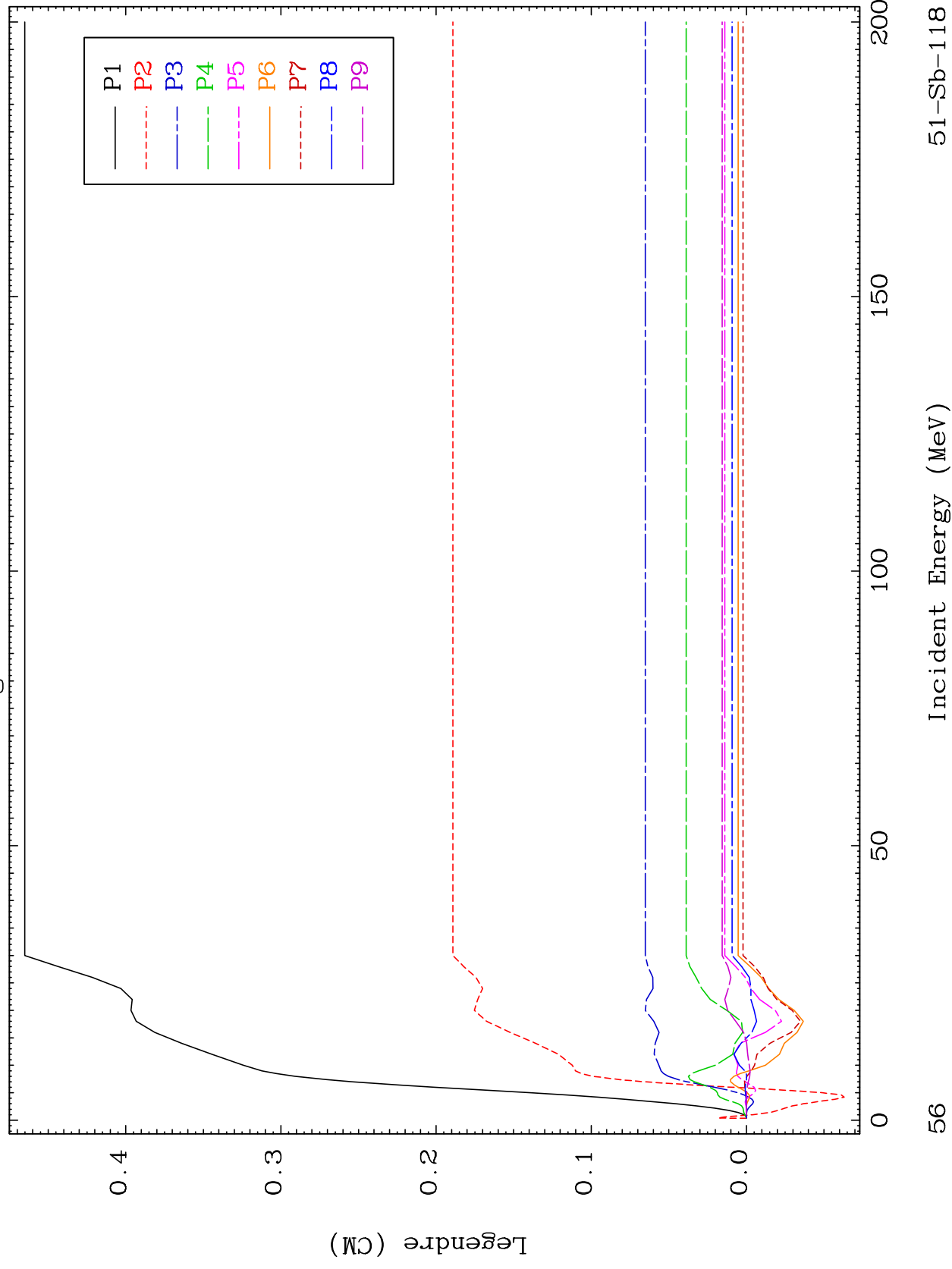
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



51-Sb-118

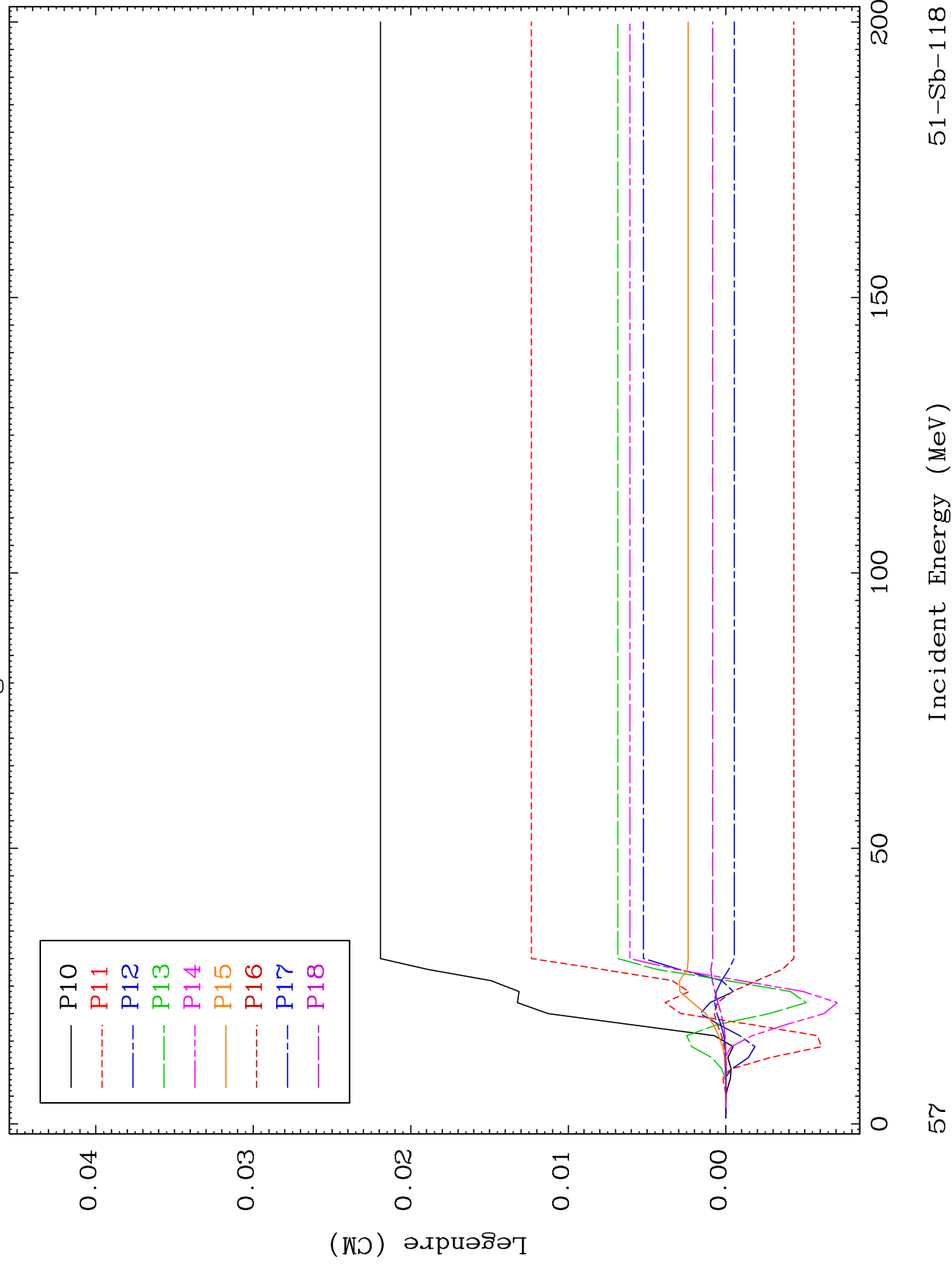
Incident Energy (MeV)

56

MAT 5116

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

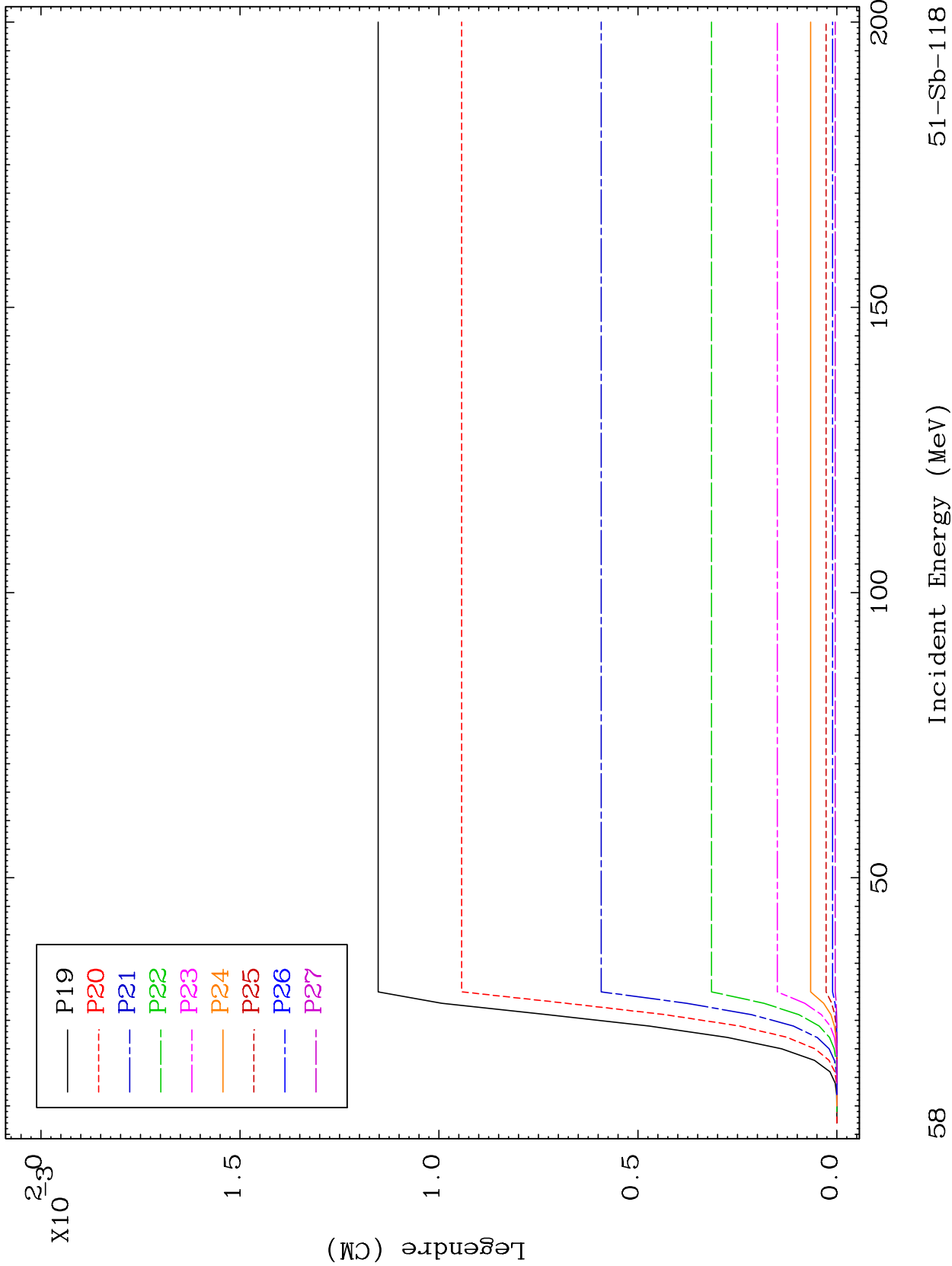
51-Sb-118



57

Incident Energy (MeV)

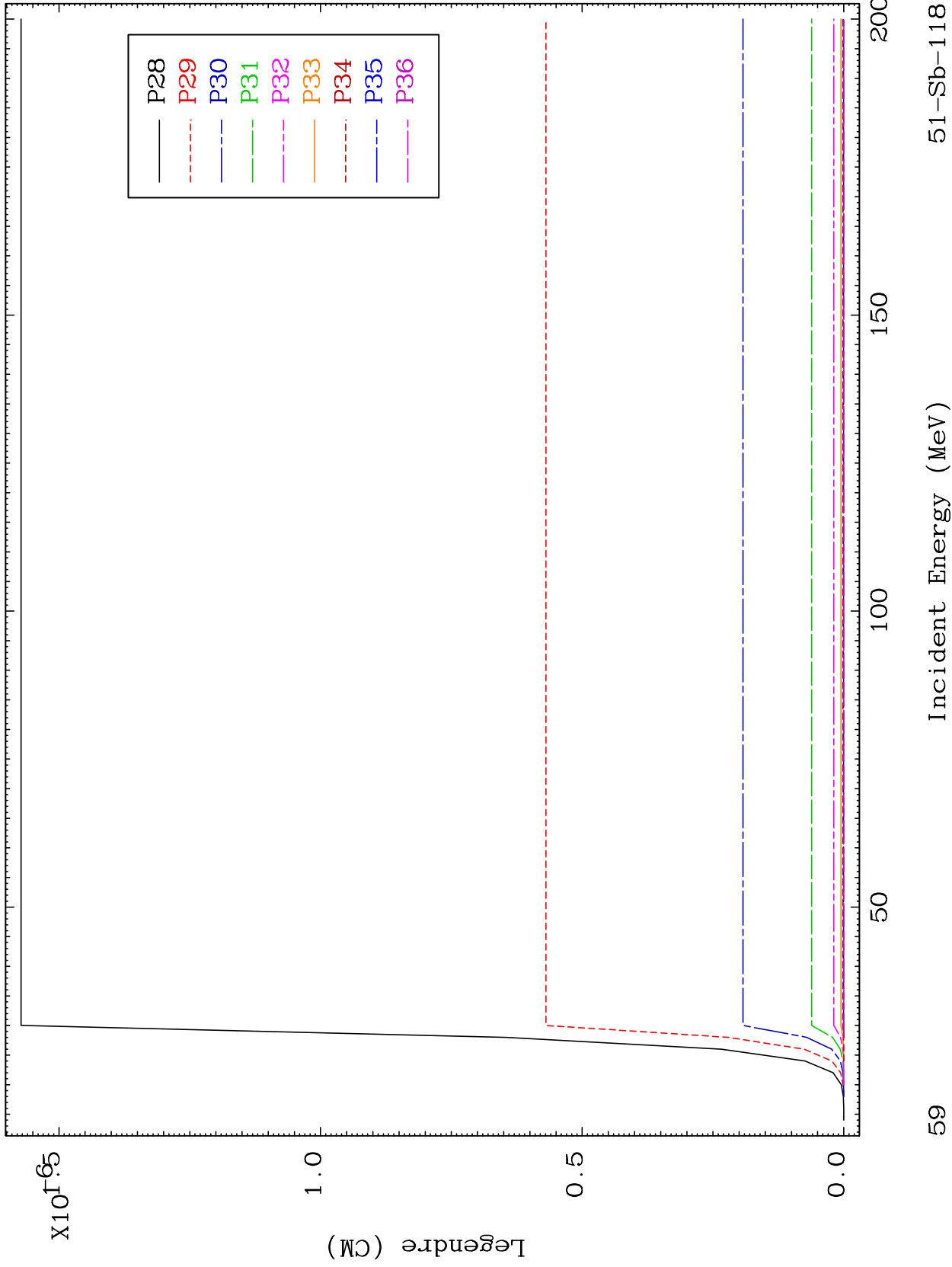
51-Sb-118



MAT 5116

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

51-Sb-118



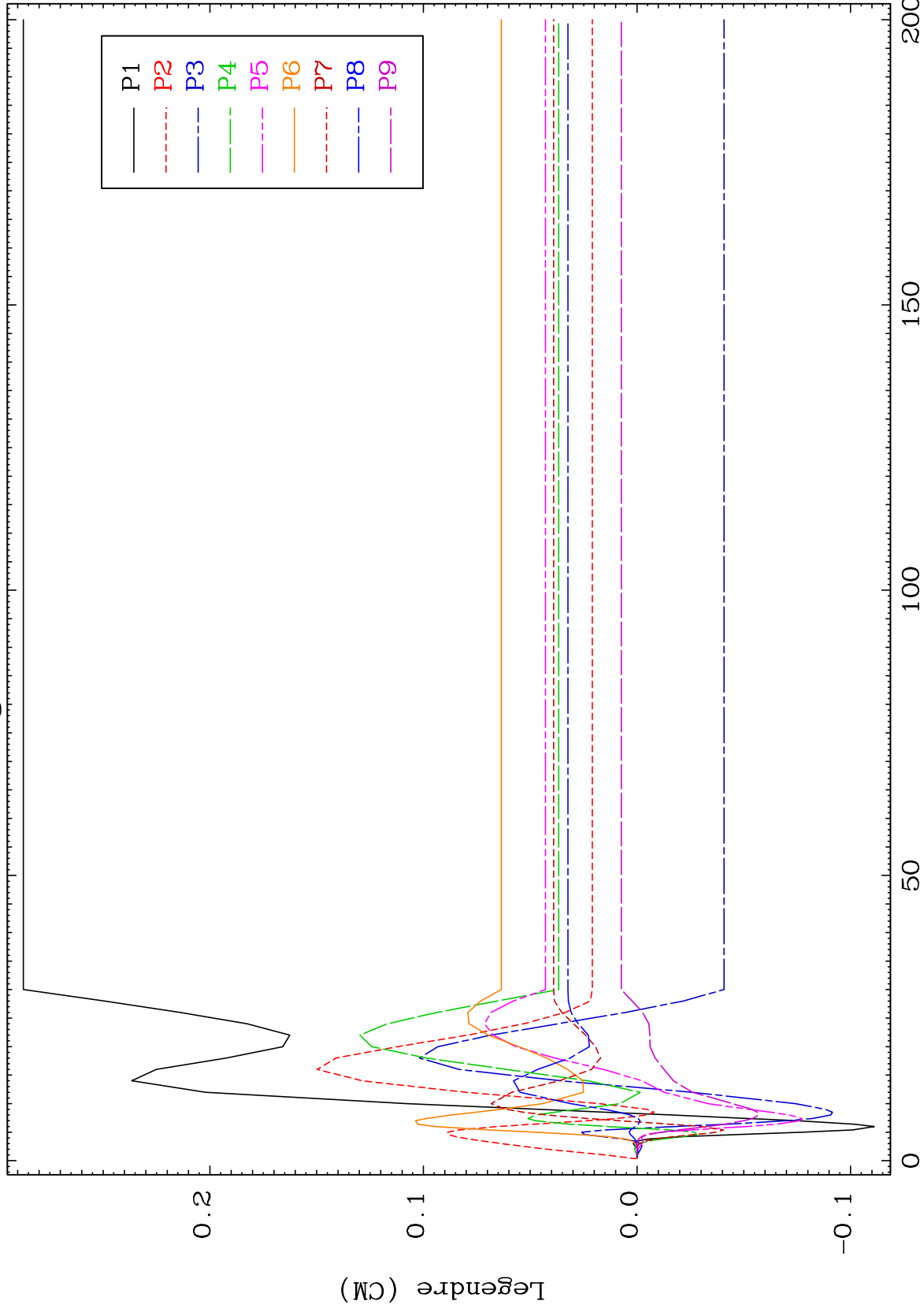
59

51-Sb-118

MAT 5116

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

51-Sb-118



51-Sb-118

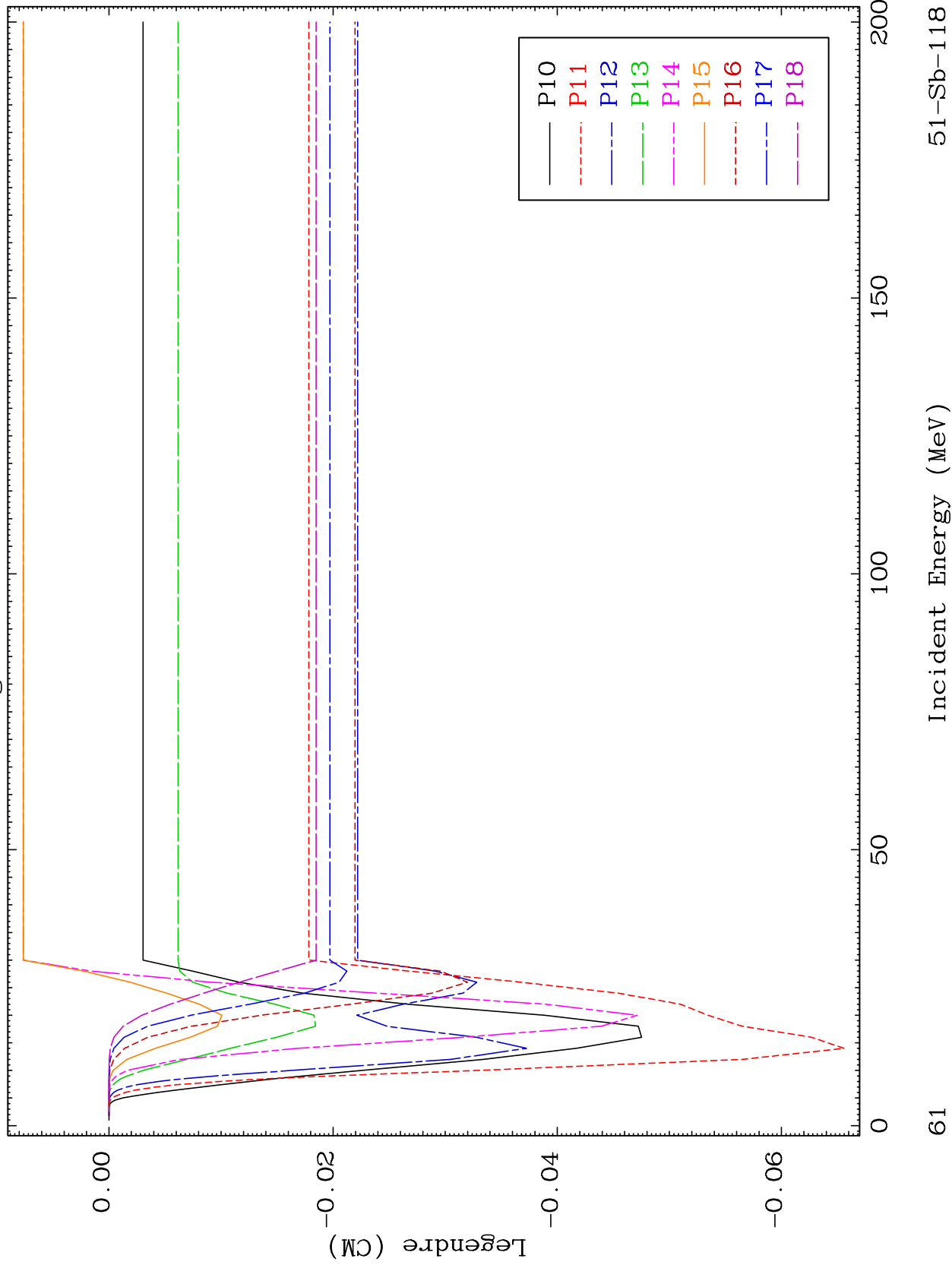
Incident Energy (MeV)

60

MAT 5116

51-Sb-118

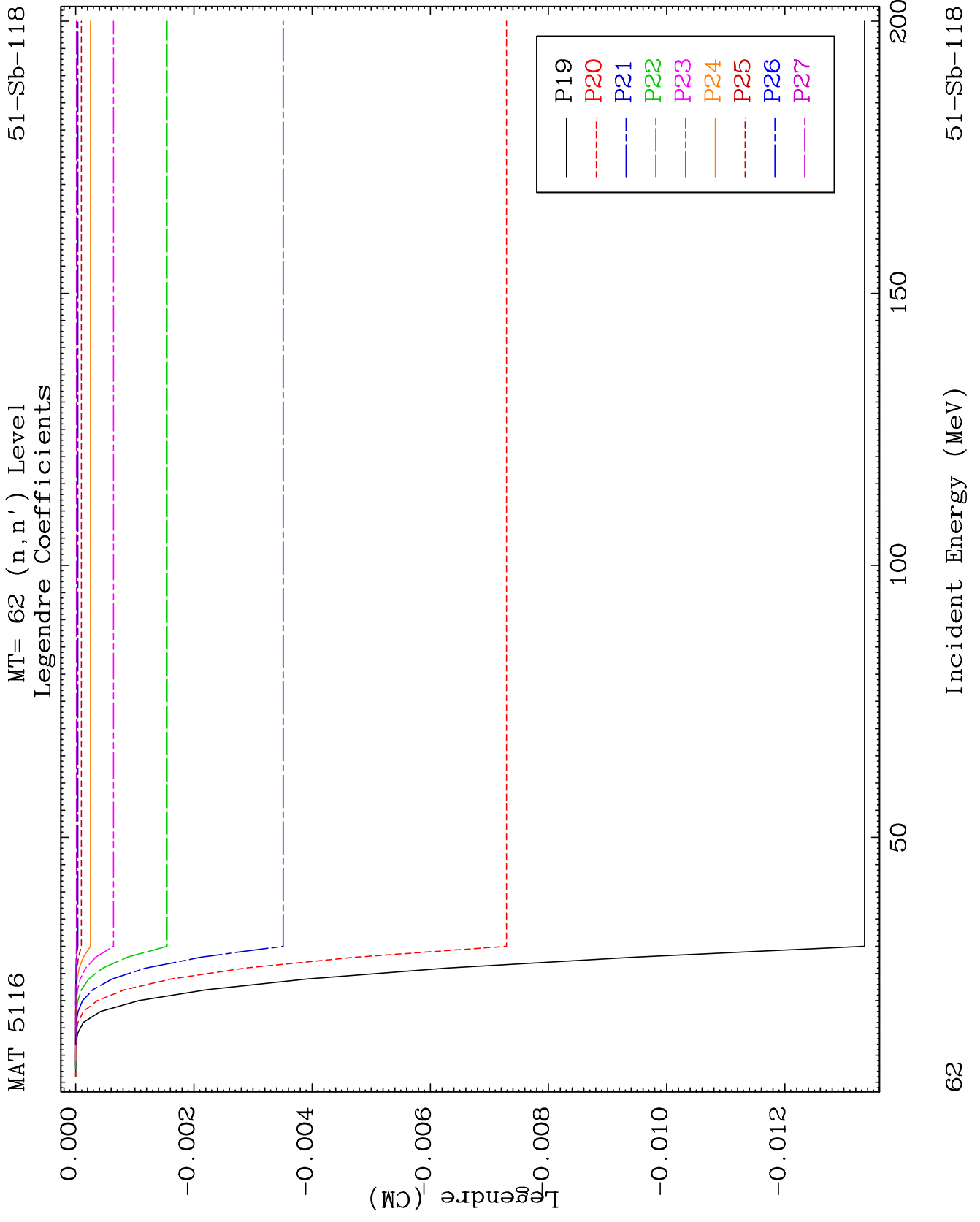
MT= 62 (n,n') Level
Legendre Coefficients

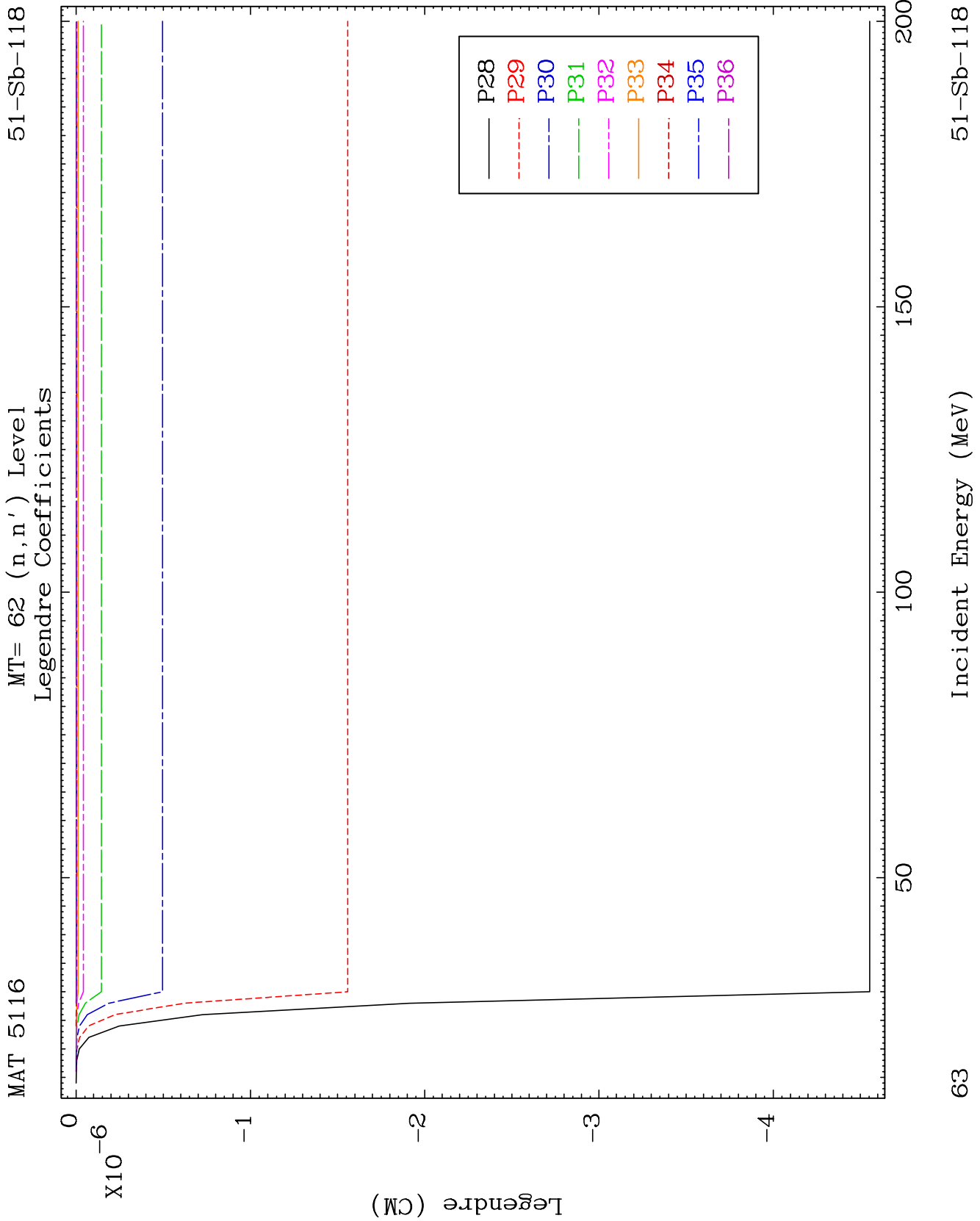


51-Sb-118

Incident Energy (MeV)

61

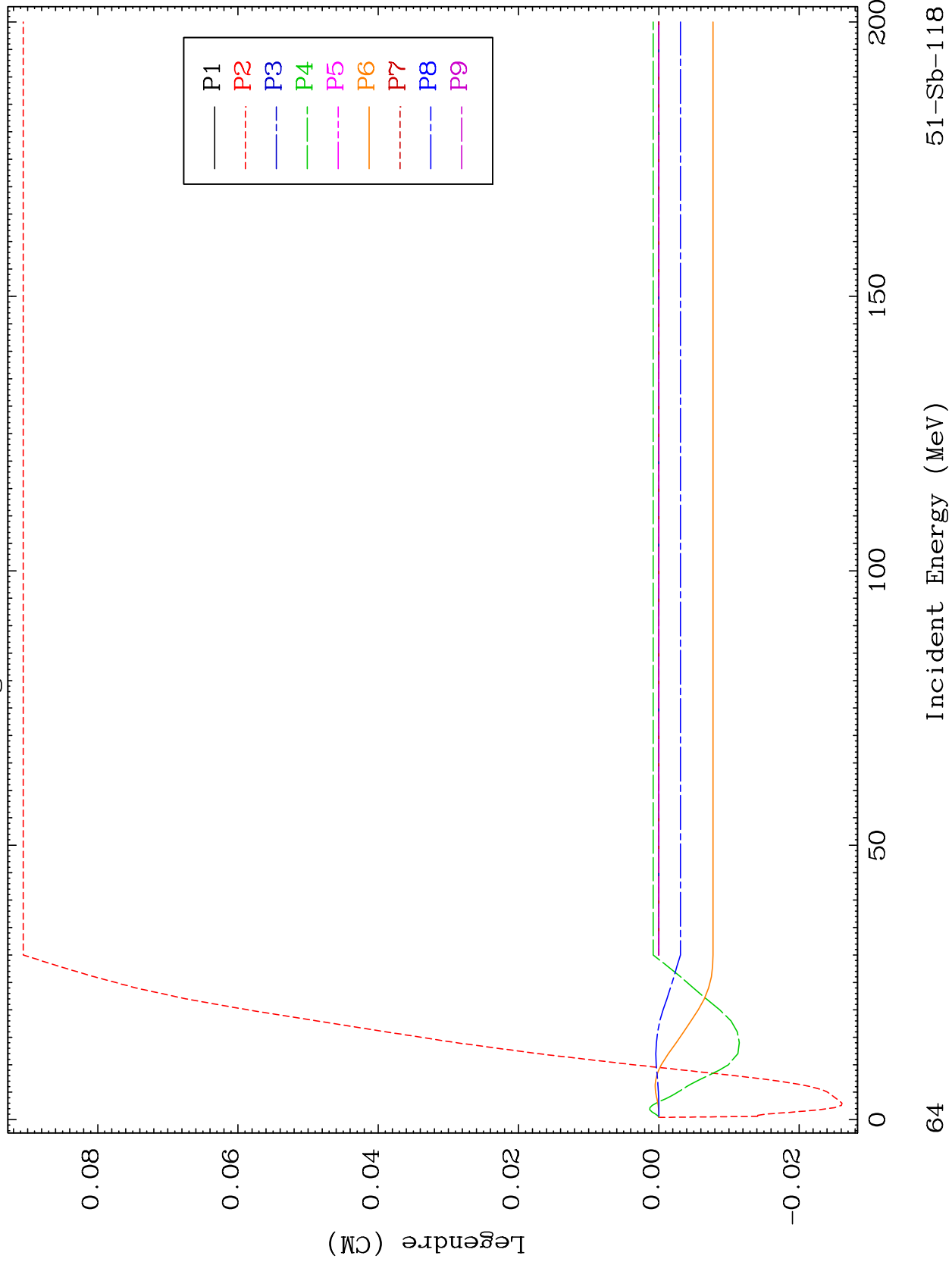




MAT 5116

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

51-Sb-118



51-Sb-118

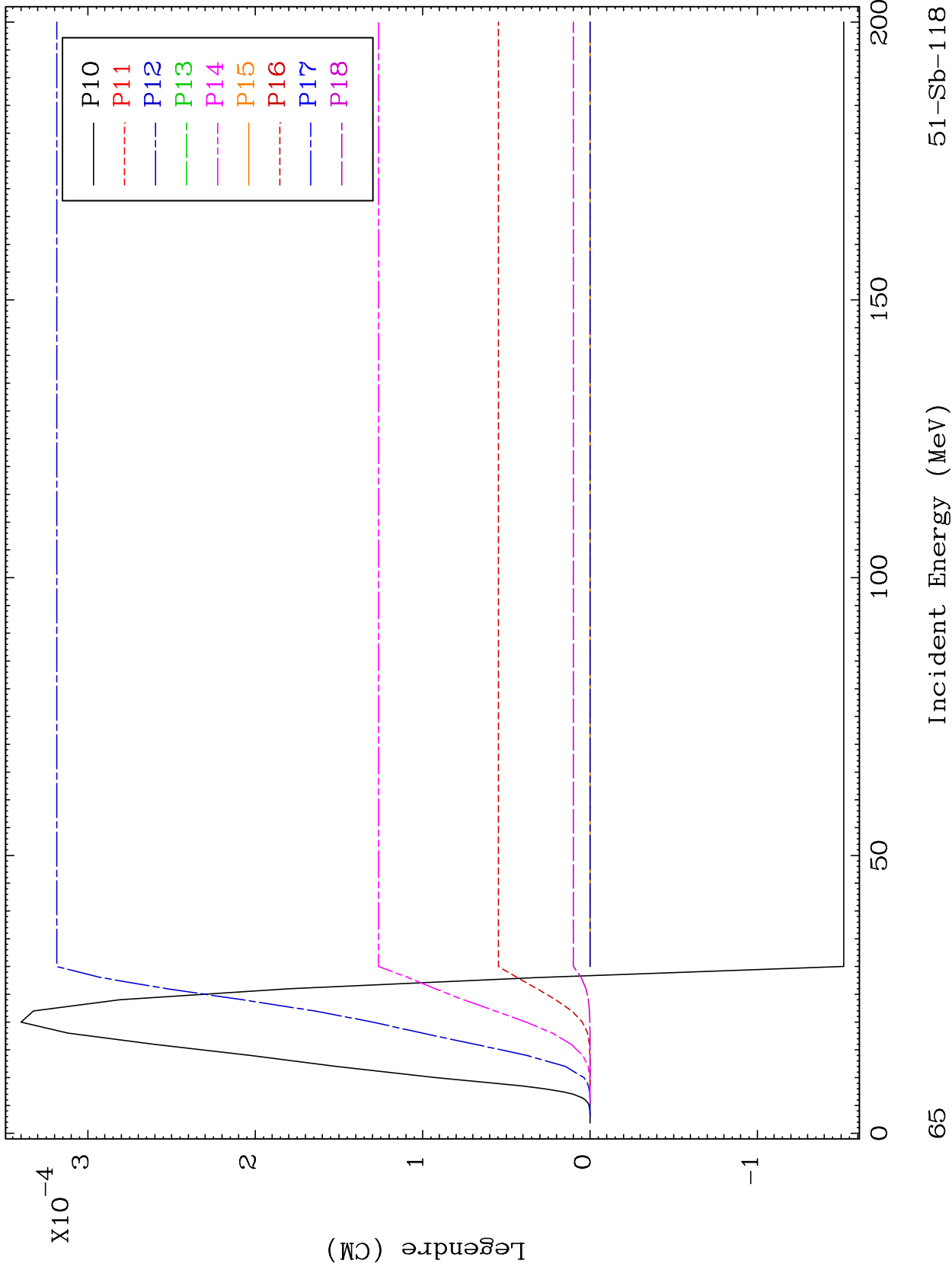
Incident Energy (MeV)

64

MAT 5116

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

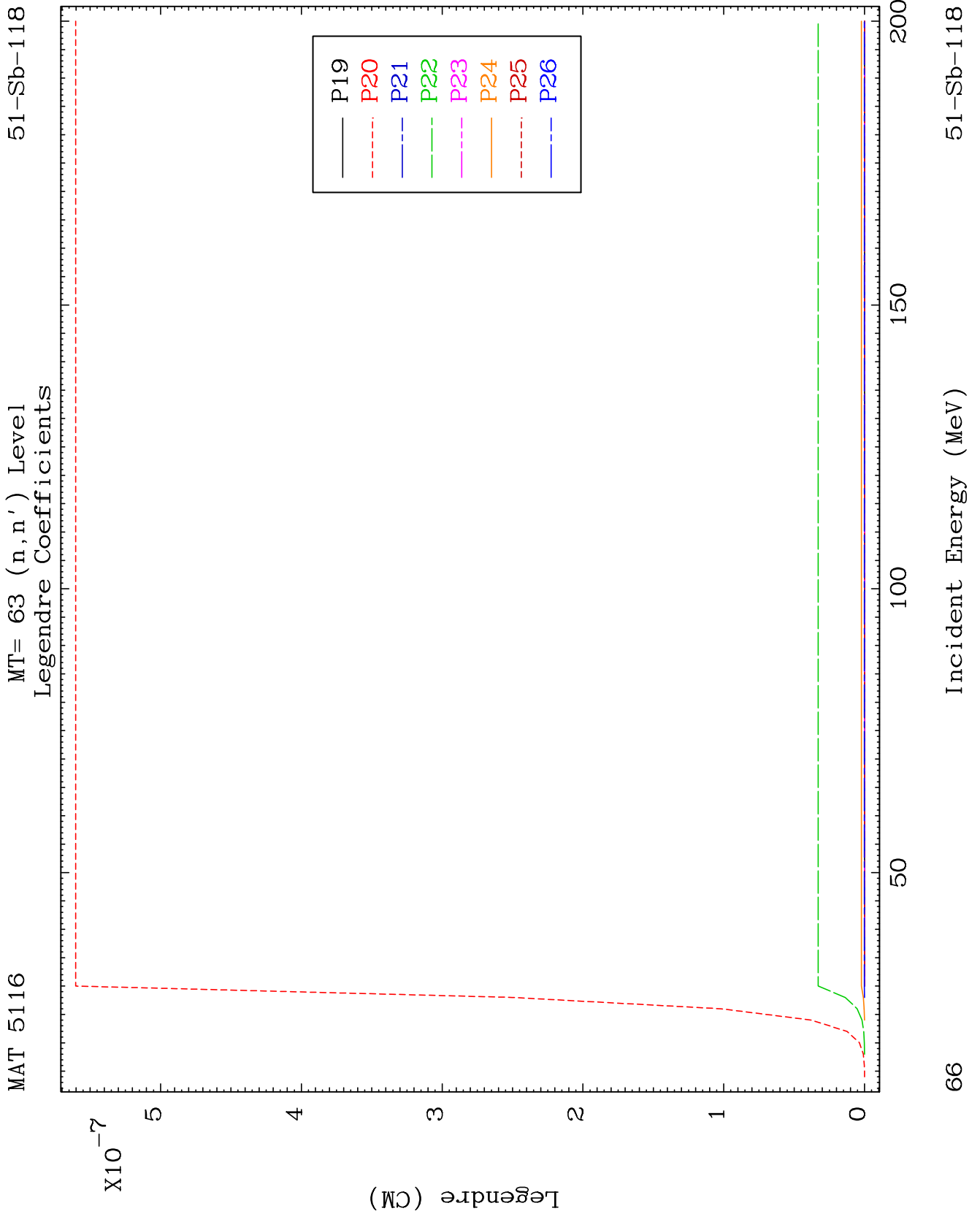
51-Sb-118

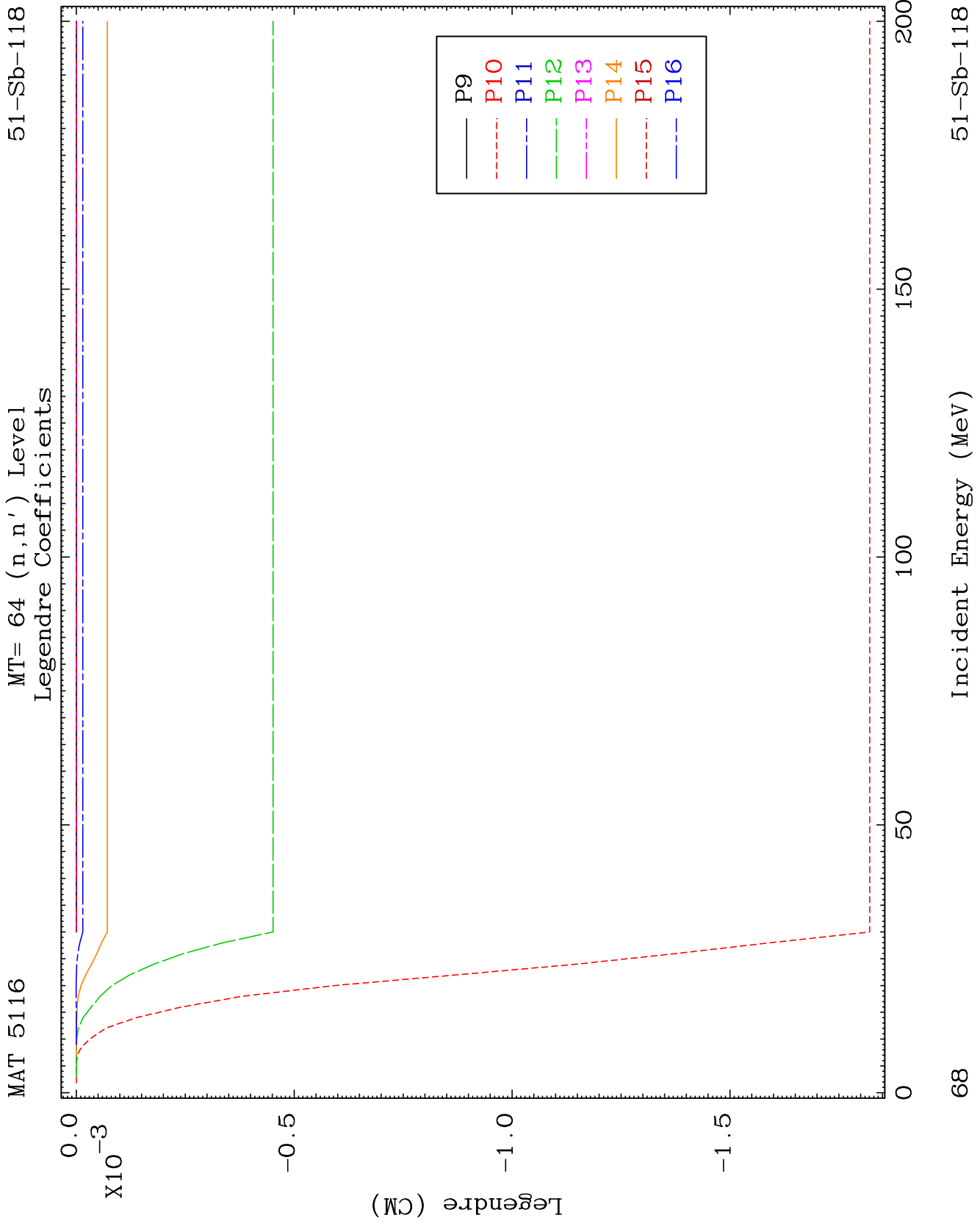


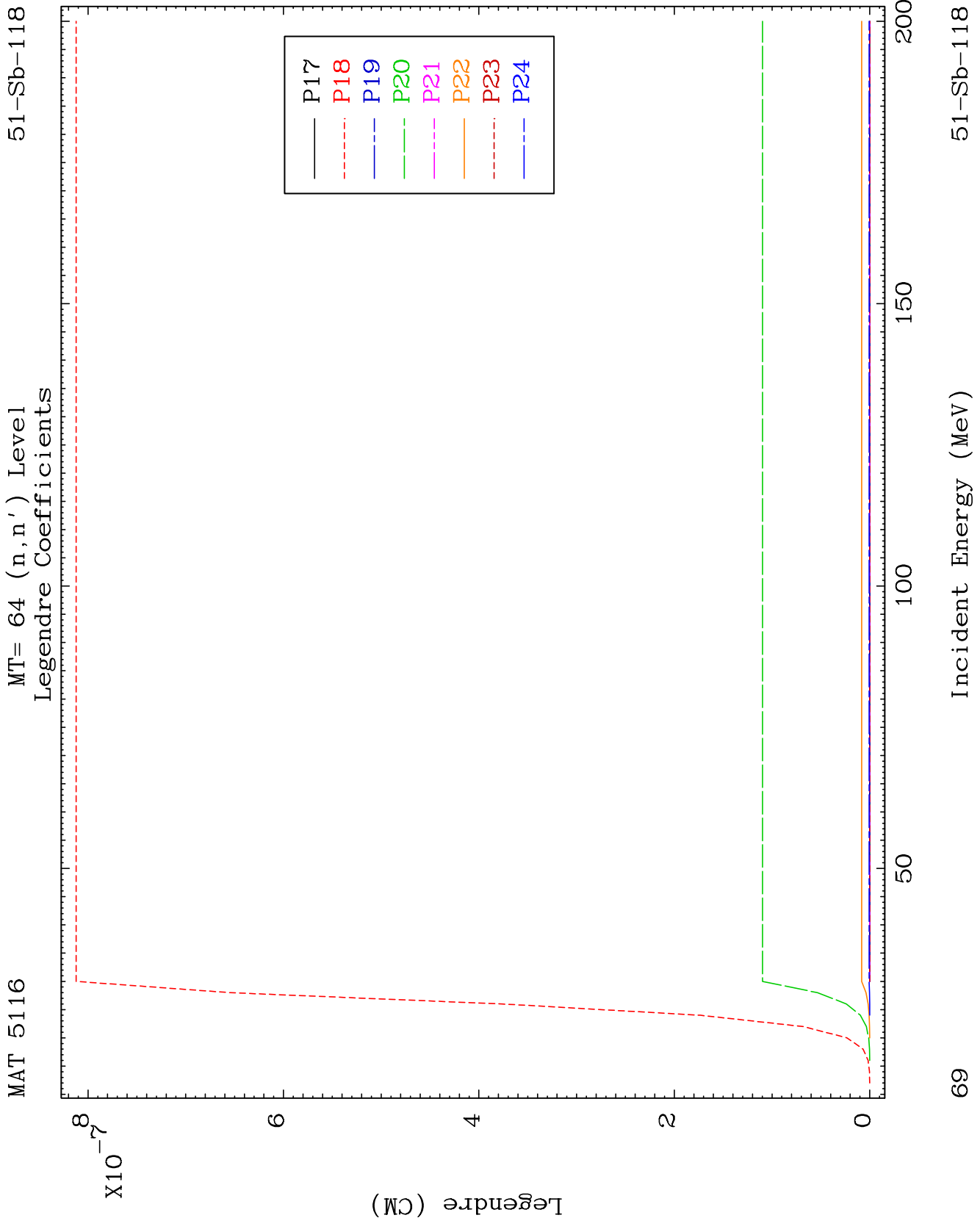
51-Sb-118

Incident Energy (MeV)

65







51-Sb-118

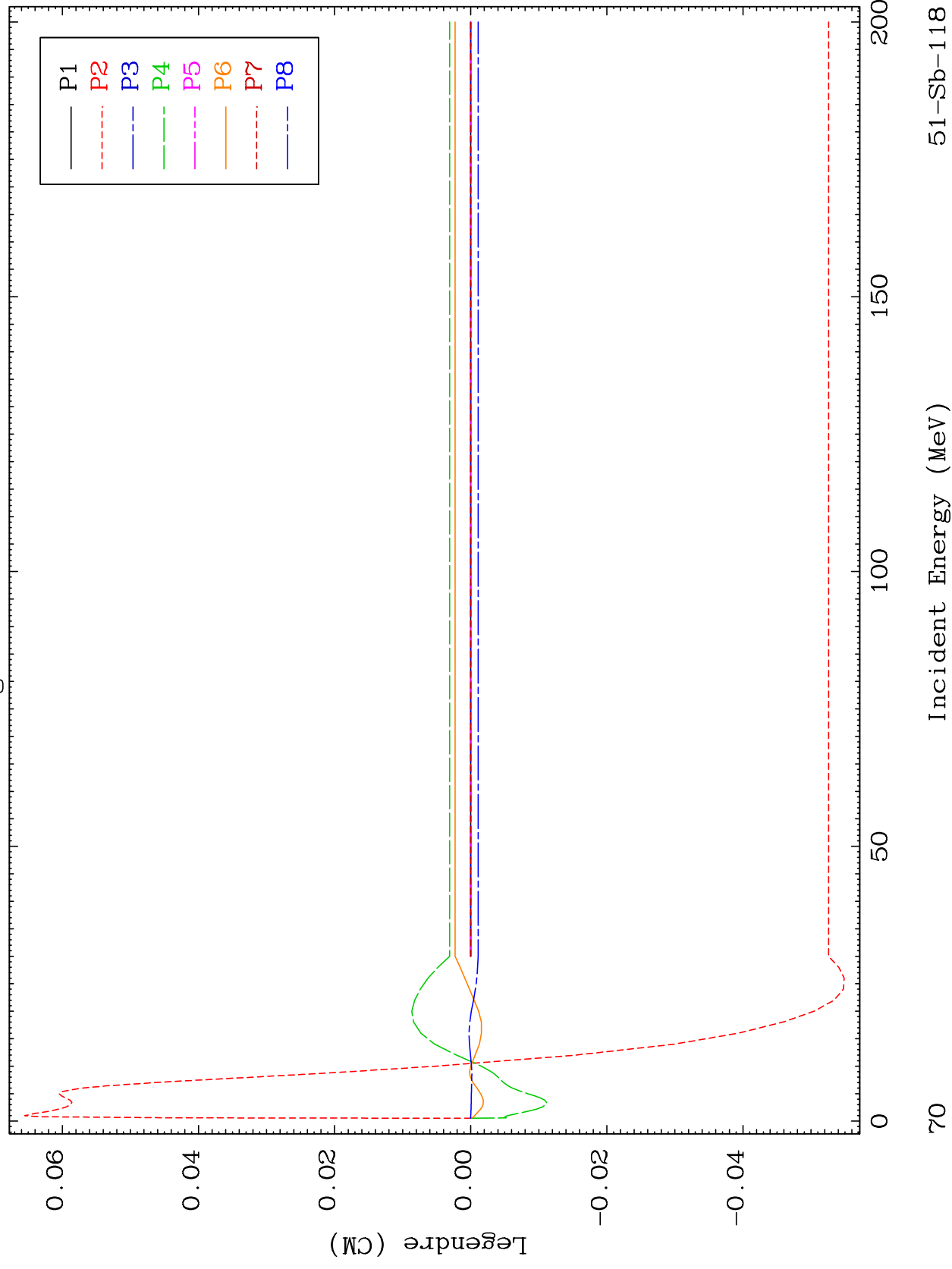
Incident Energy (MeV)

69

MAT 5116

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

51-Sb-118



51-Sb-118

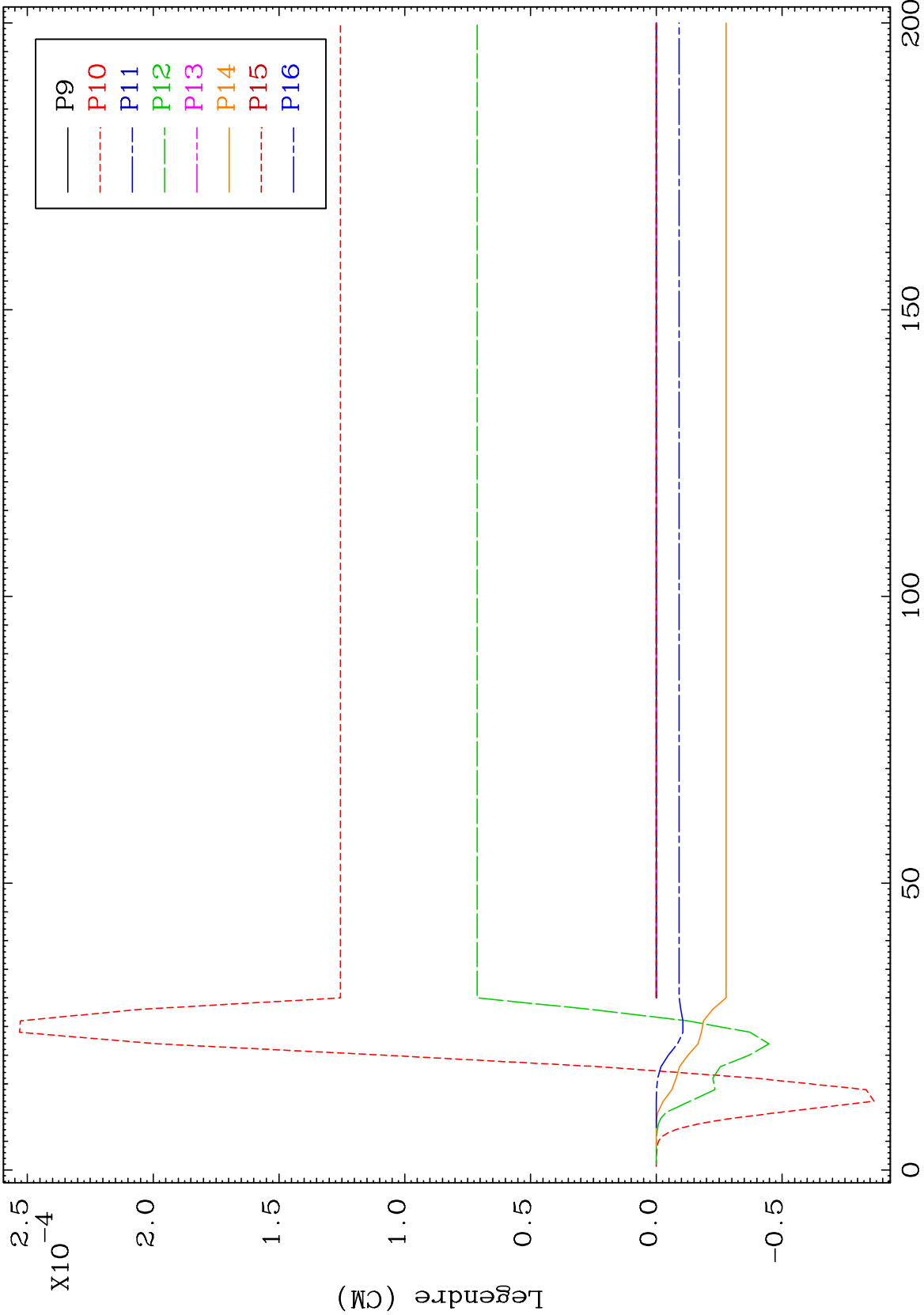
Incident Energy (MeV)

70

MAT 51116

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

51-Sb-118



51-Sb-118

Incident Energy (MeV)

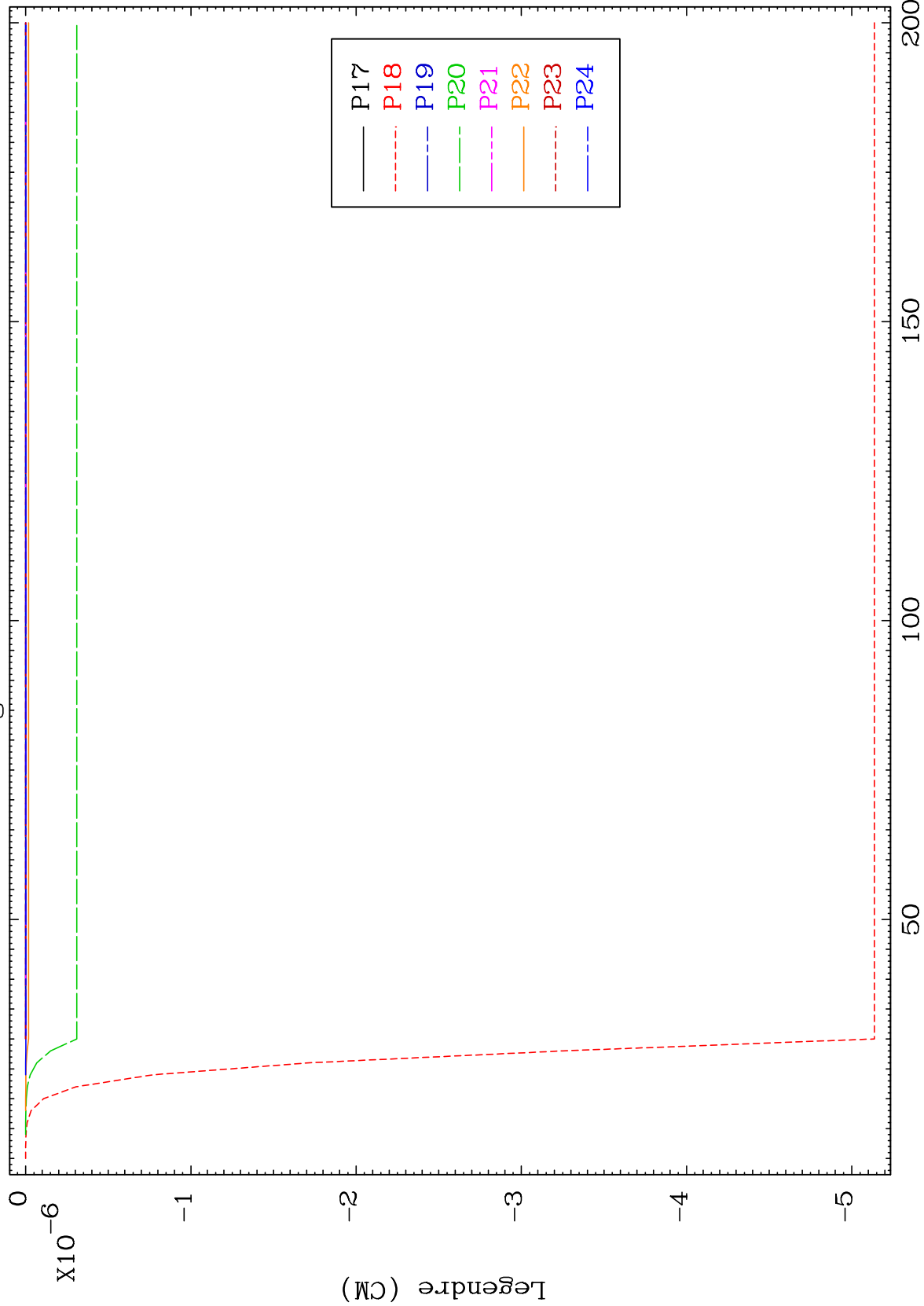
71

MAT 5116

MT= 65 (n,n') Level

51-Sb-118

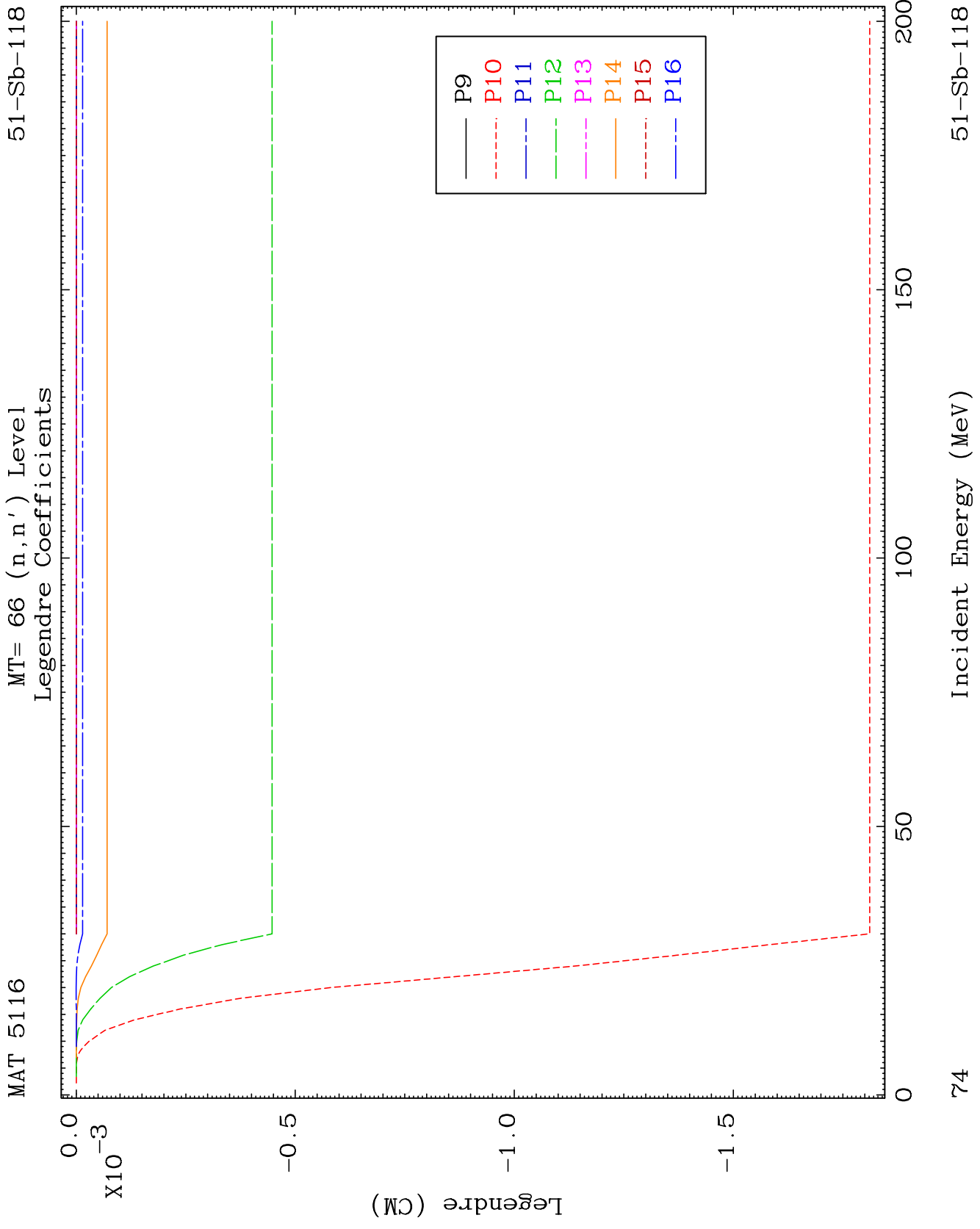
Legendre Coefficients

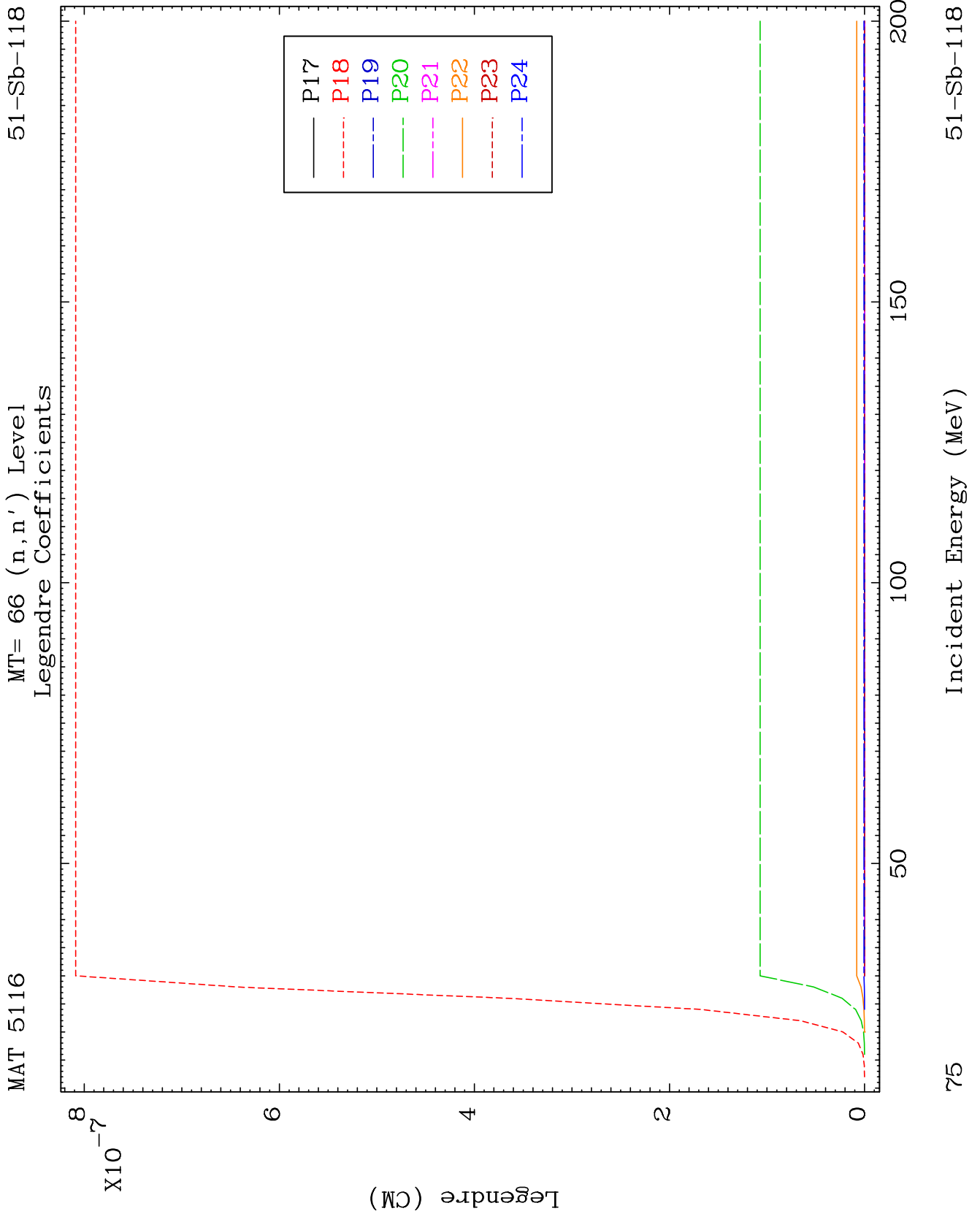


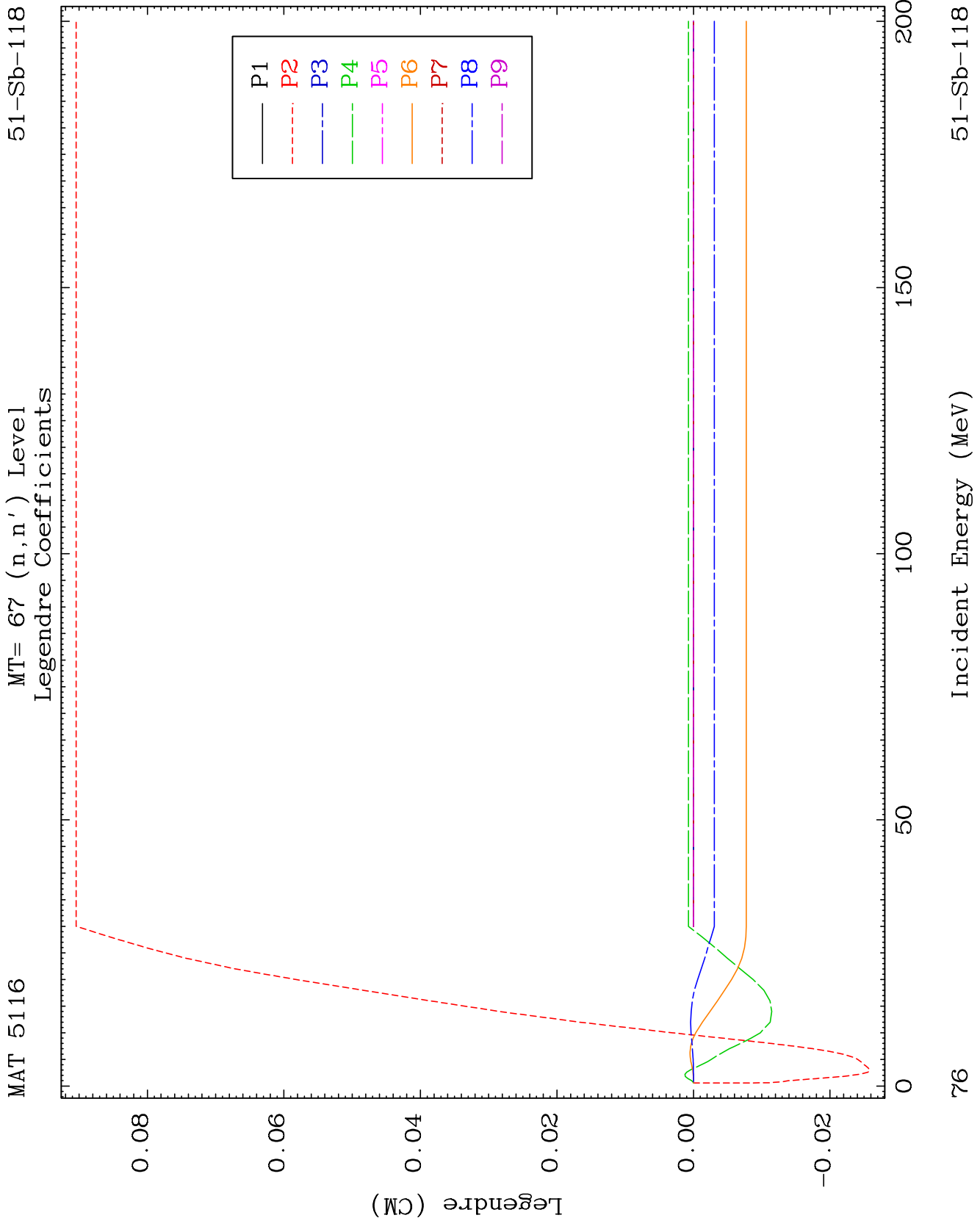
51-Sb-118

Incident Energy (MeV)

72



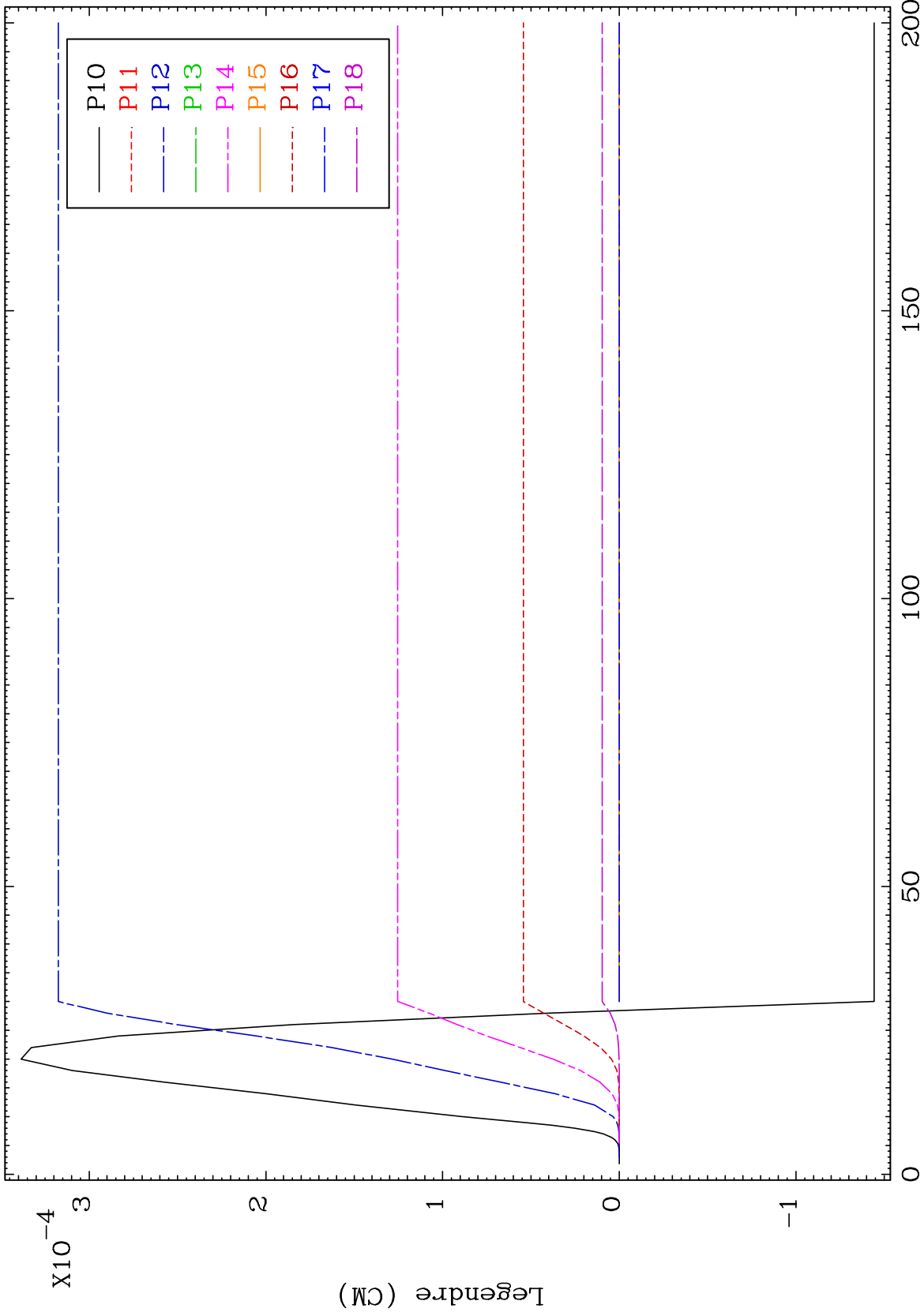




MAT 5116

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

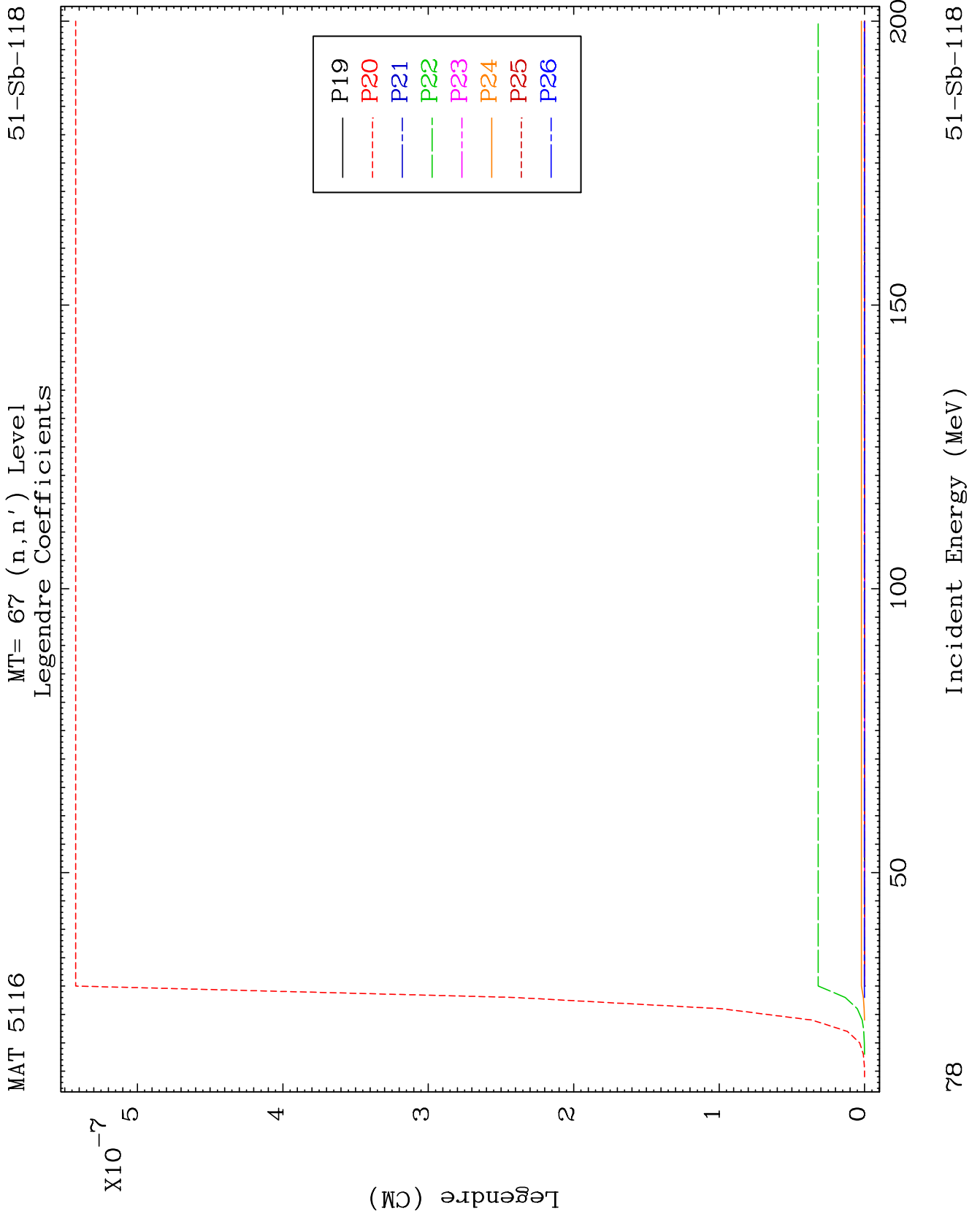
51-Sb-118

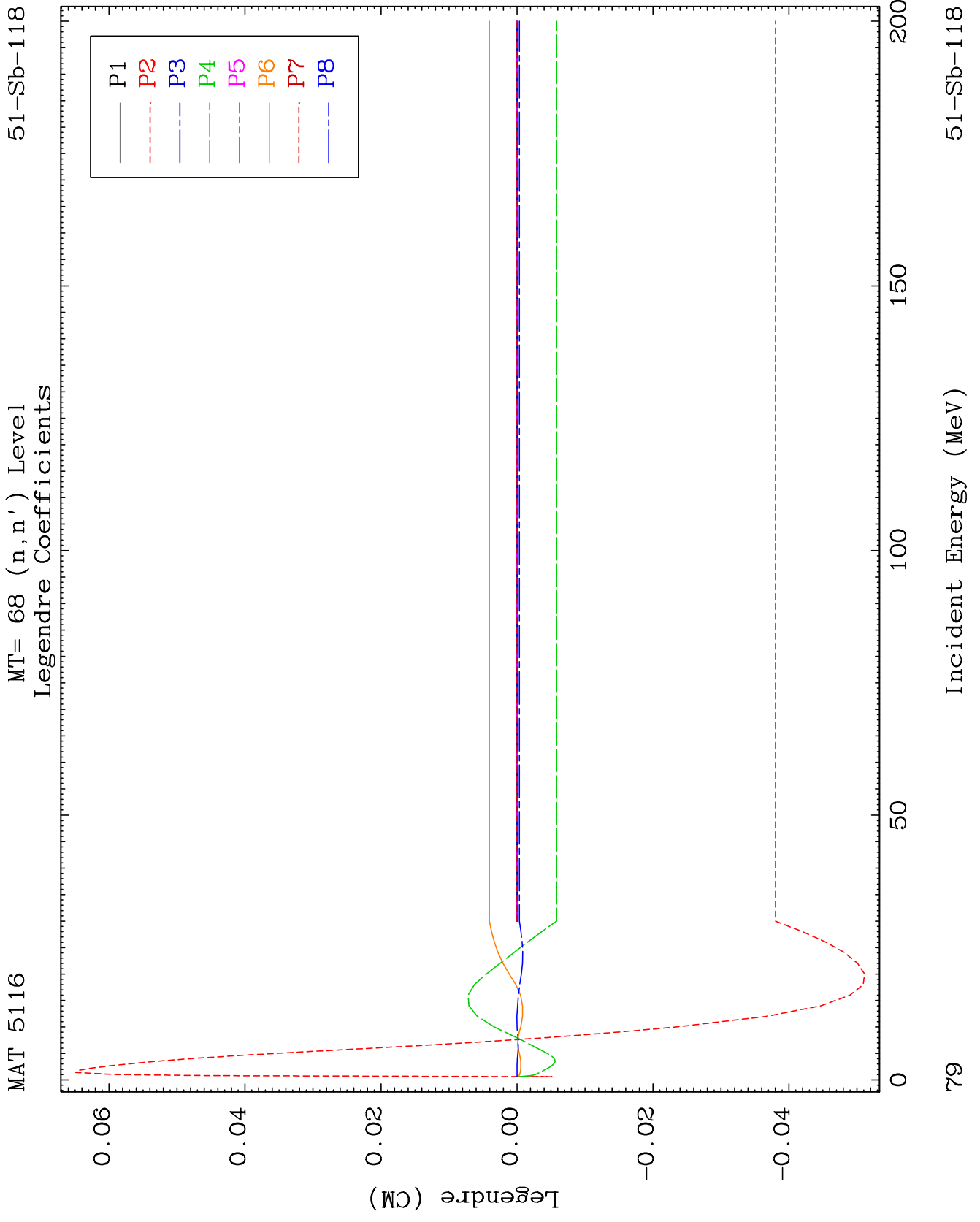


77

Incident Energy (MeV)

51-Sb-118

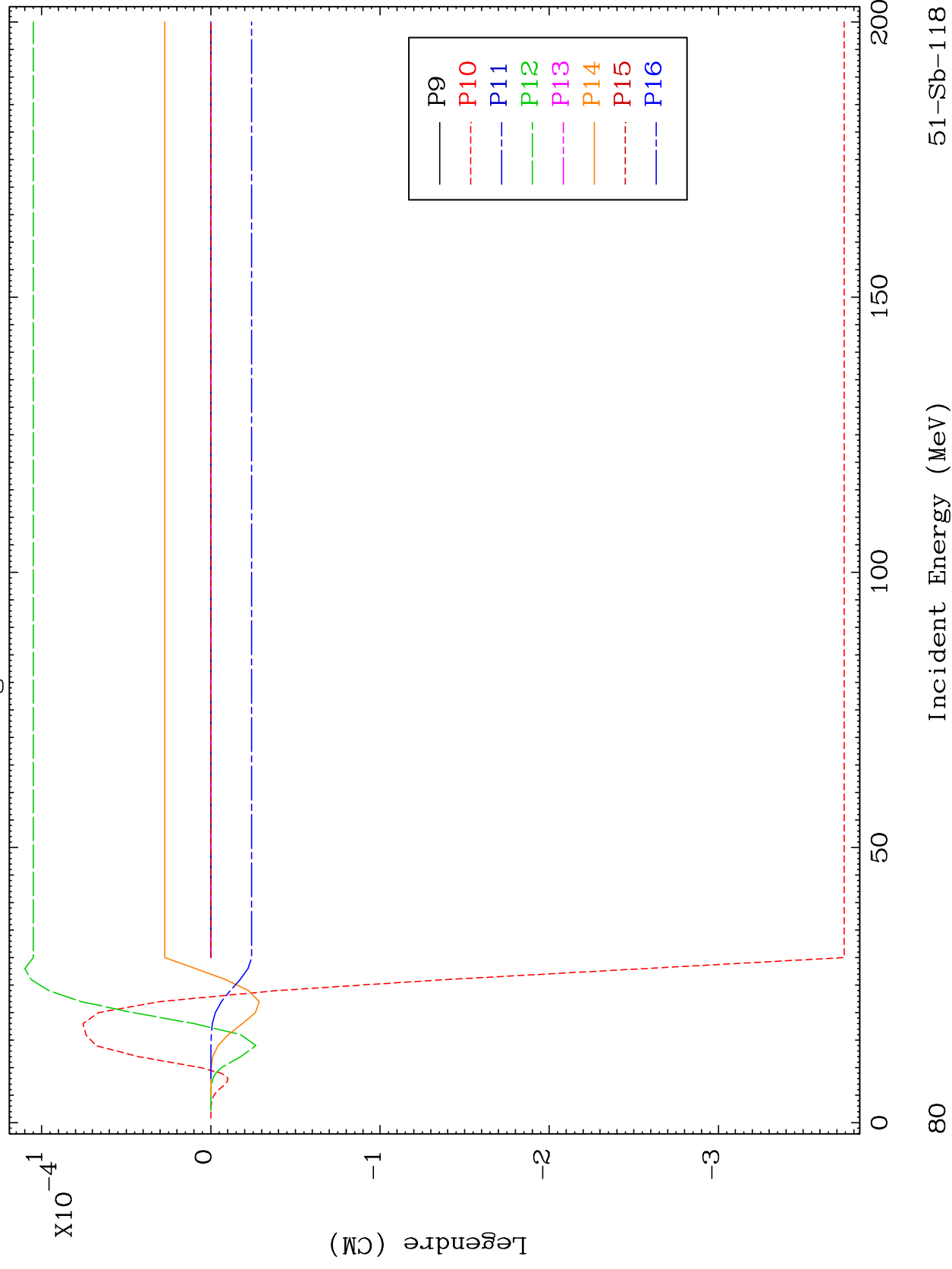




MAT 5116

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

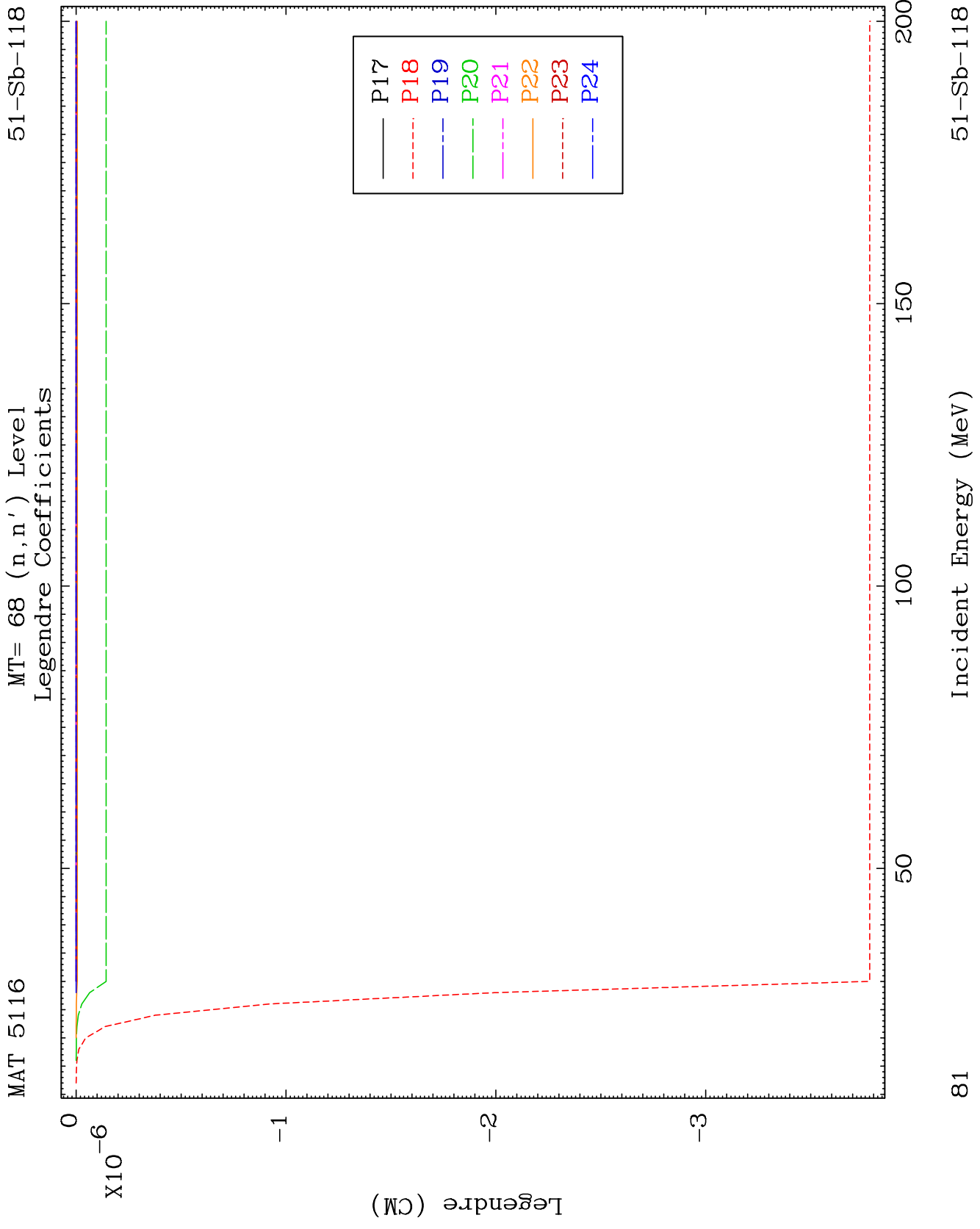
51-Sb-118



51-Sb-118

Incident Energy (MeV)

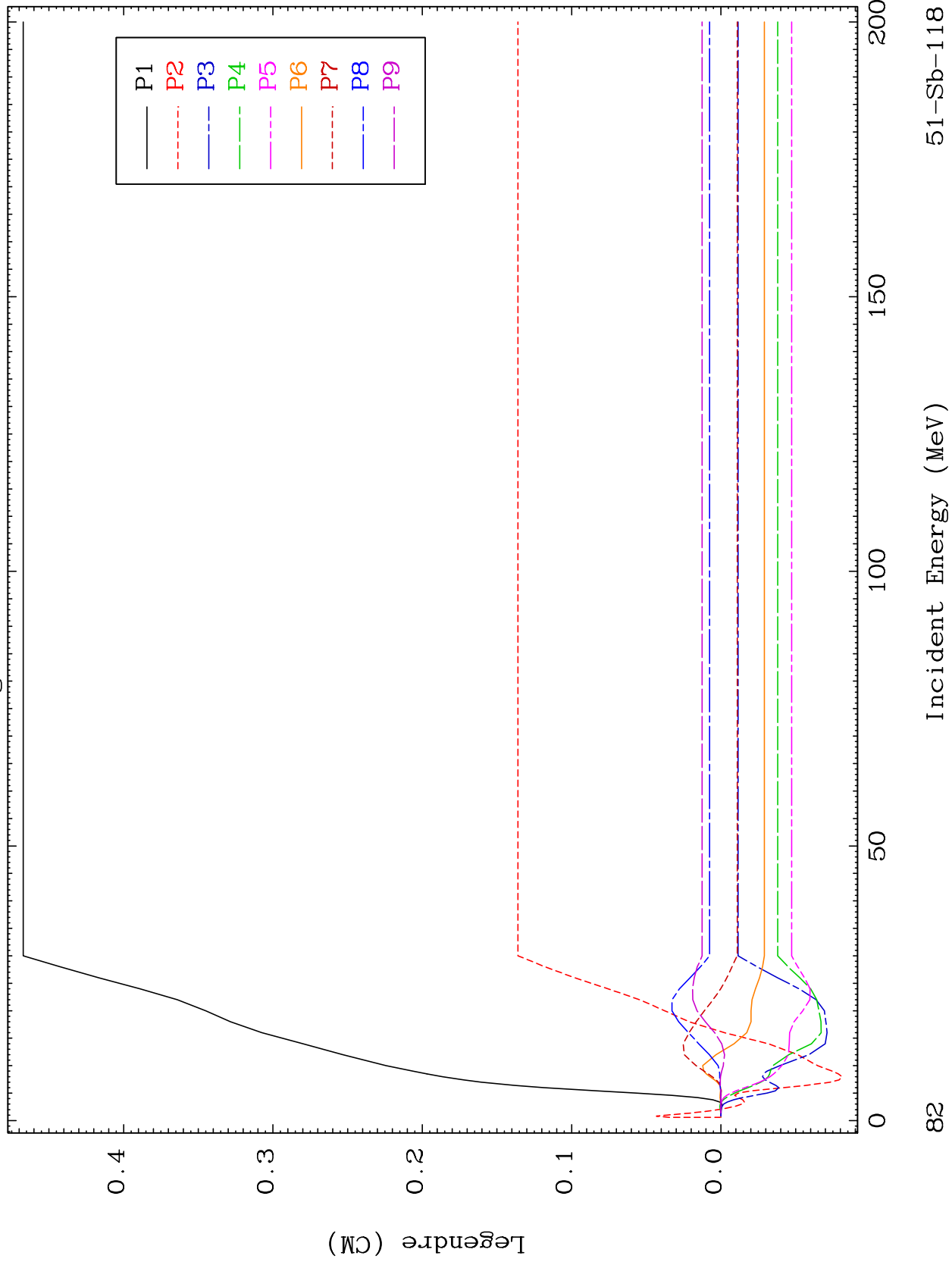
80

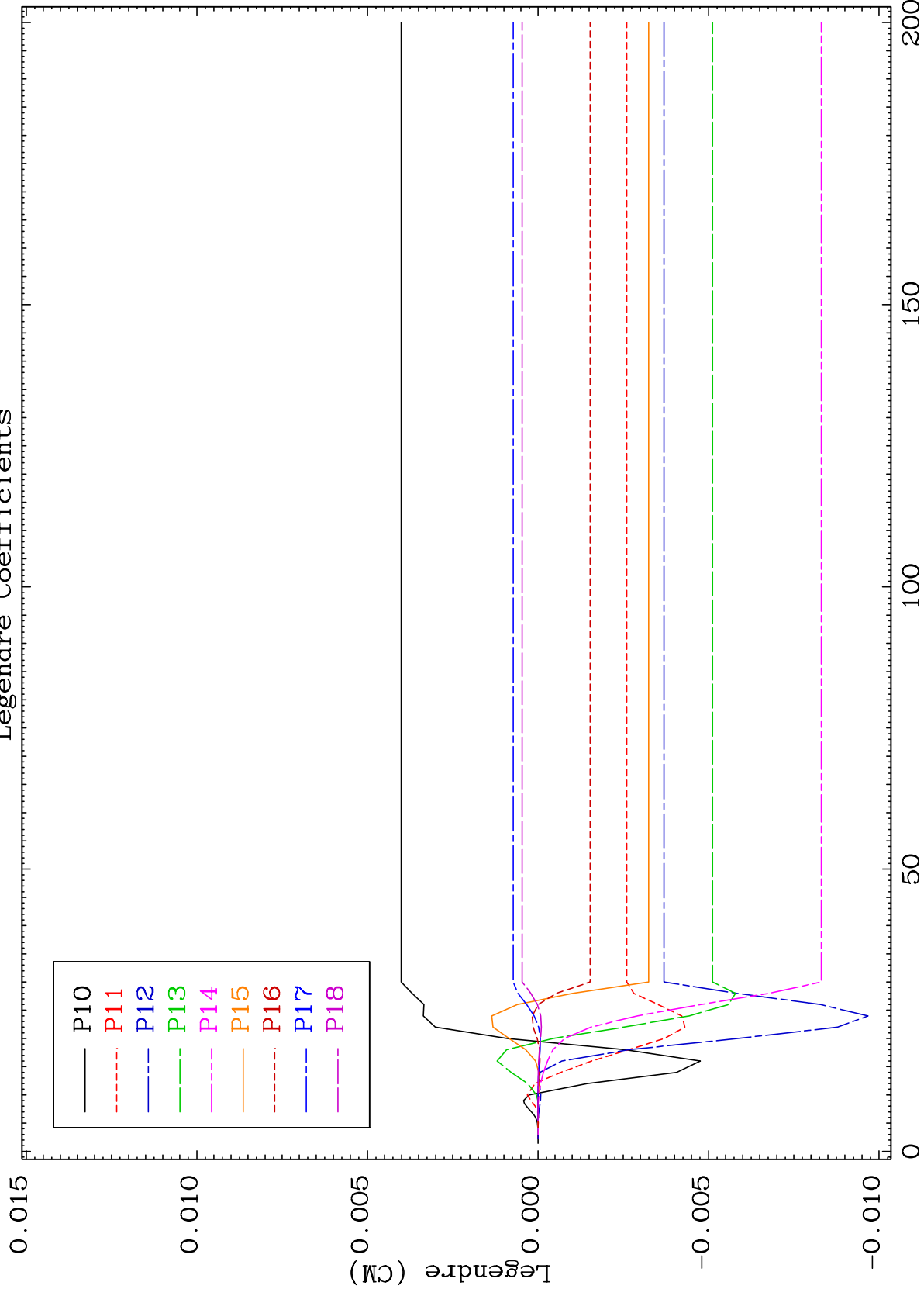


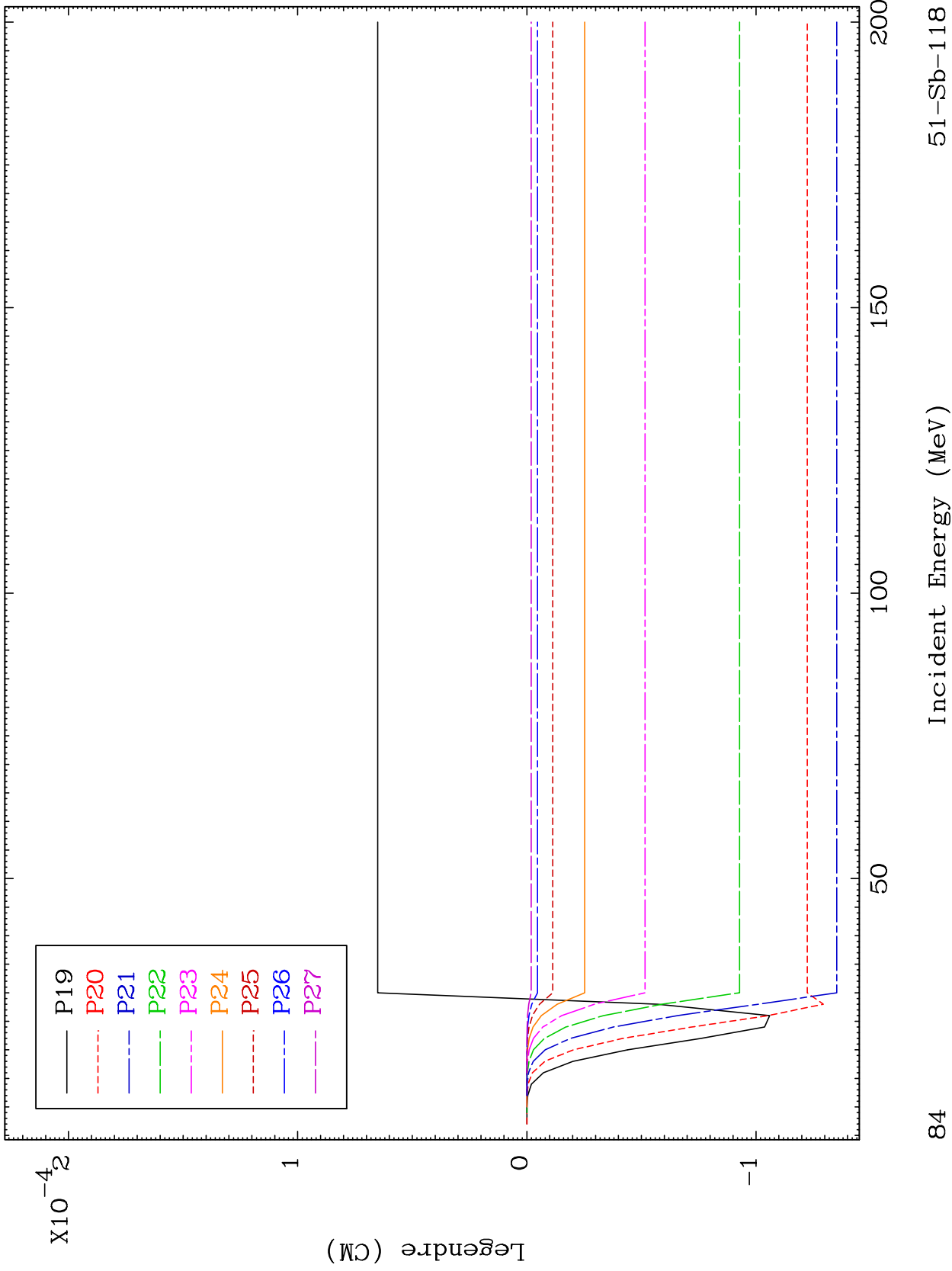
MAT 5116

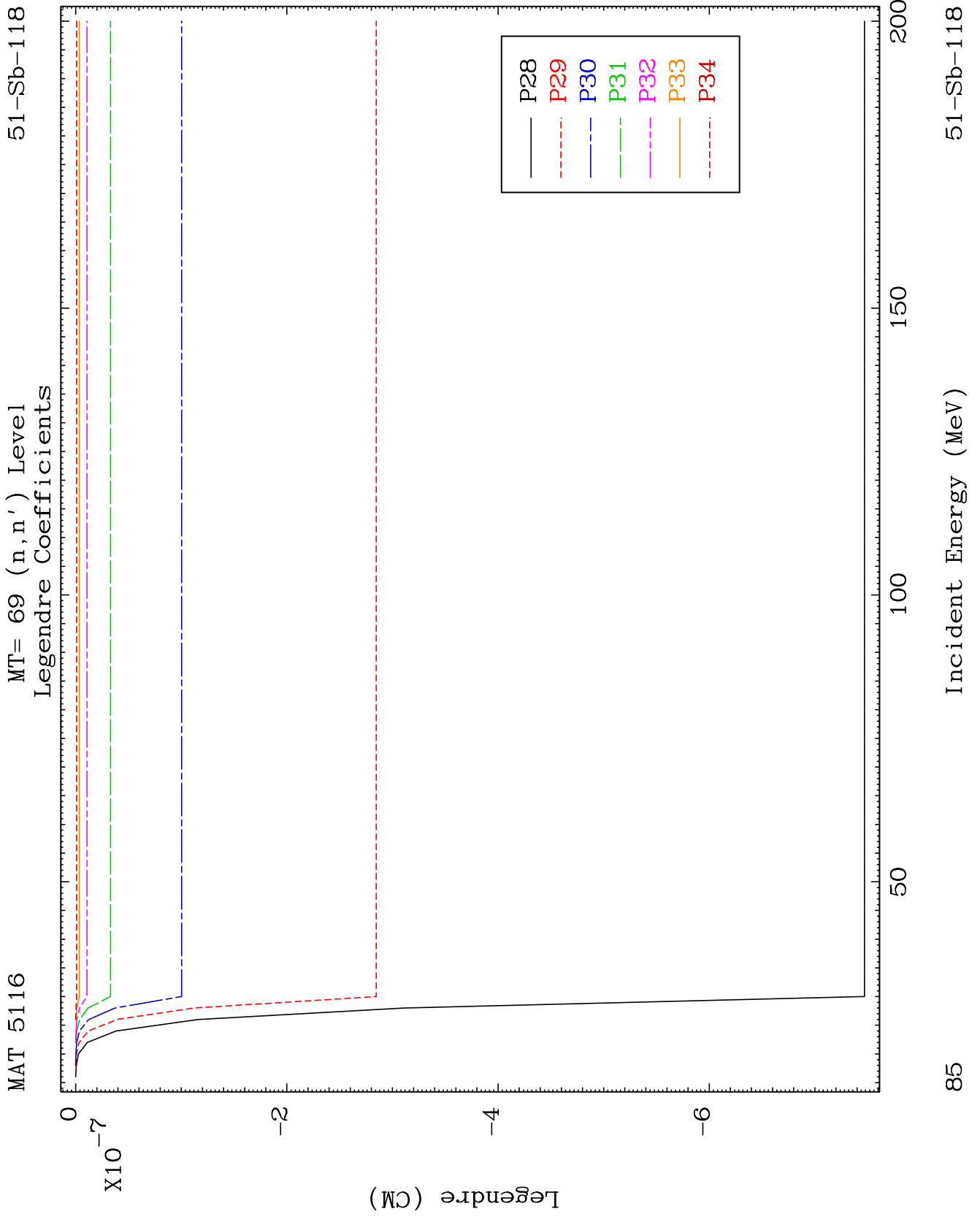
MT= 69 (n,n') Level
Legendre Coefficients

51-Sb-118





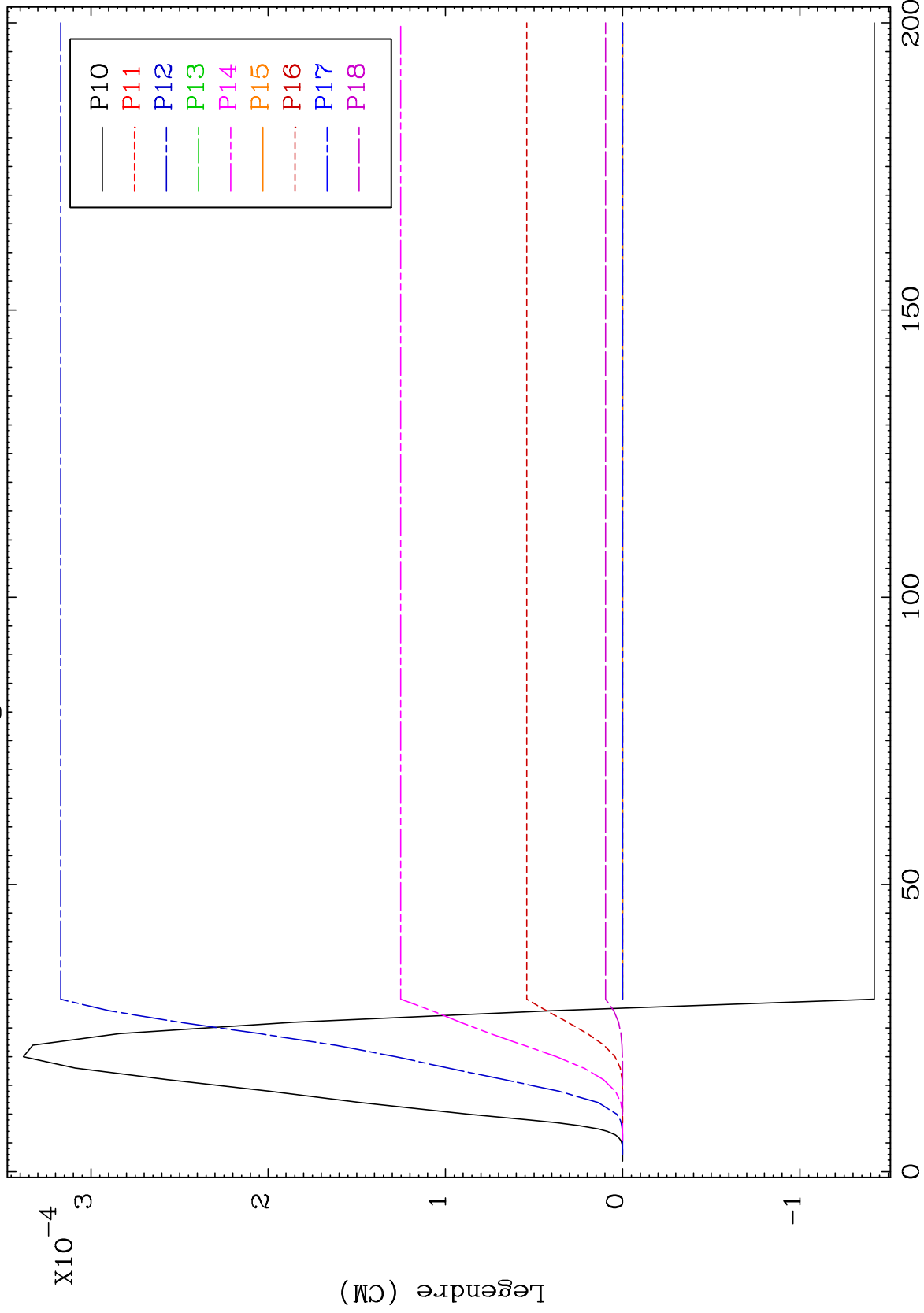




MAT 5116

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

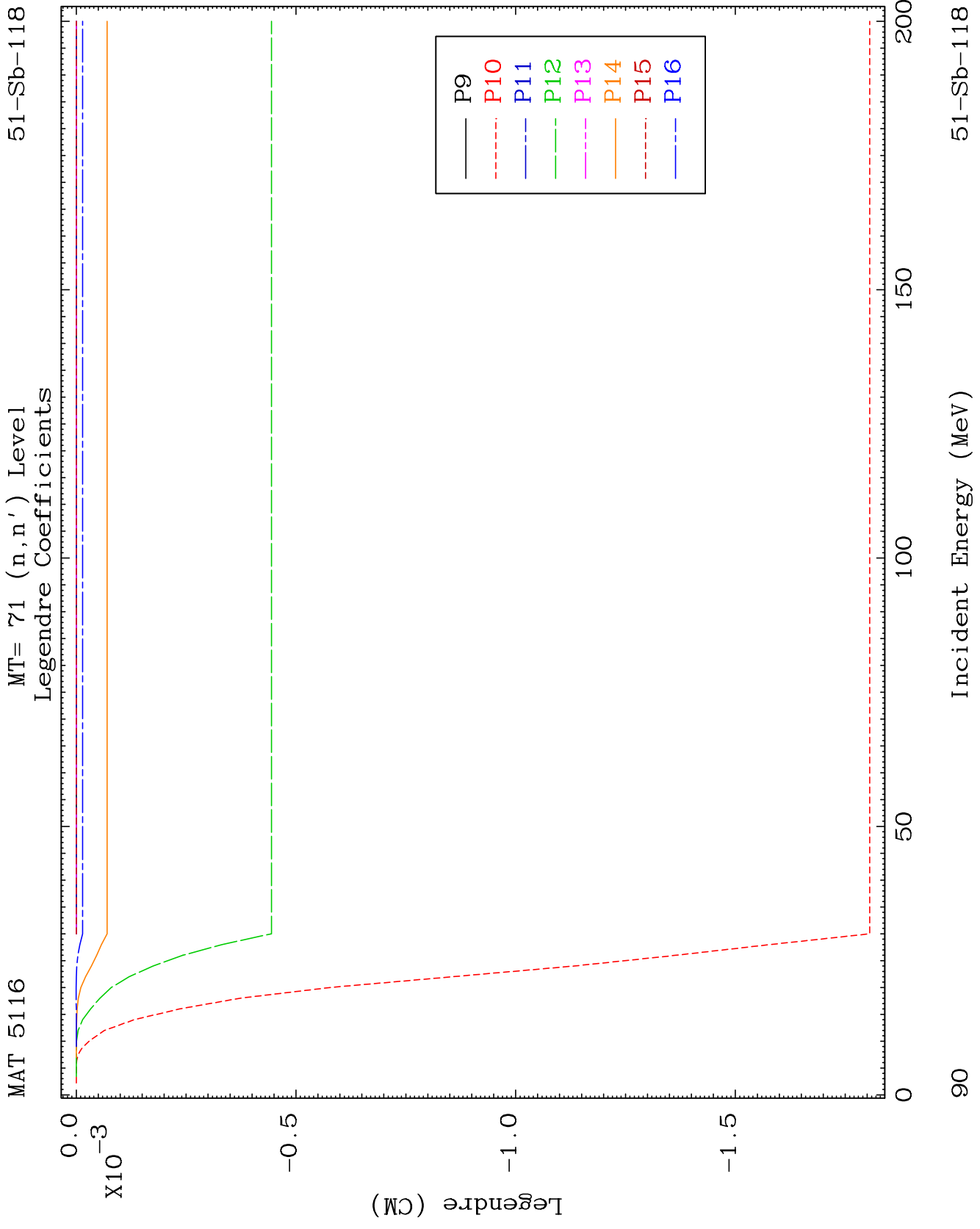
51-Sb-118

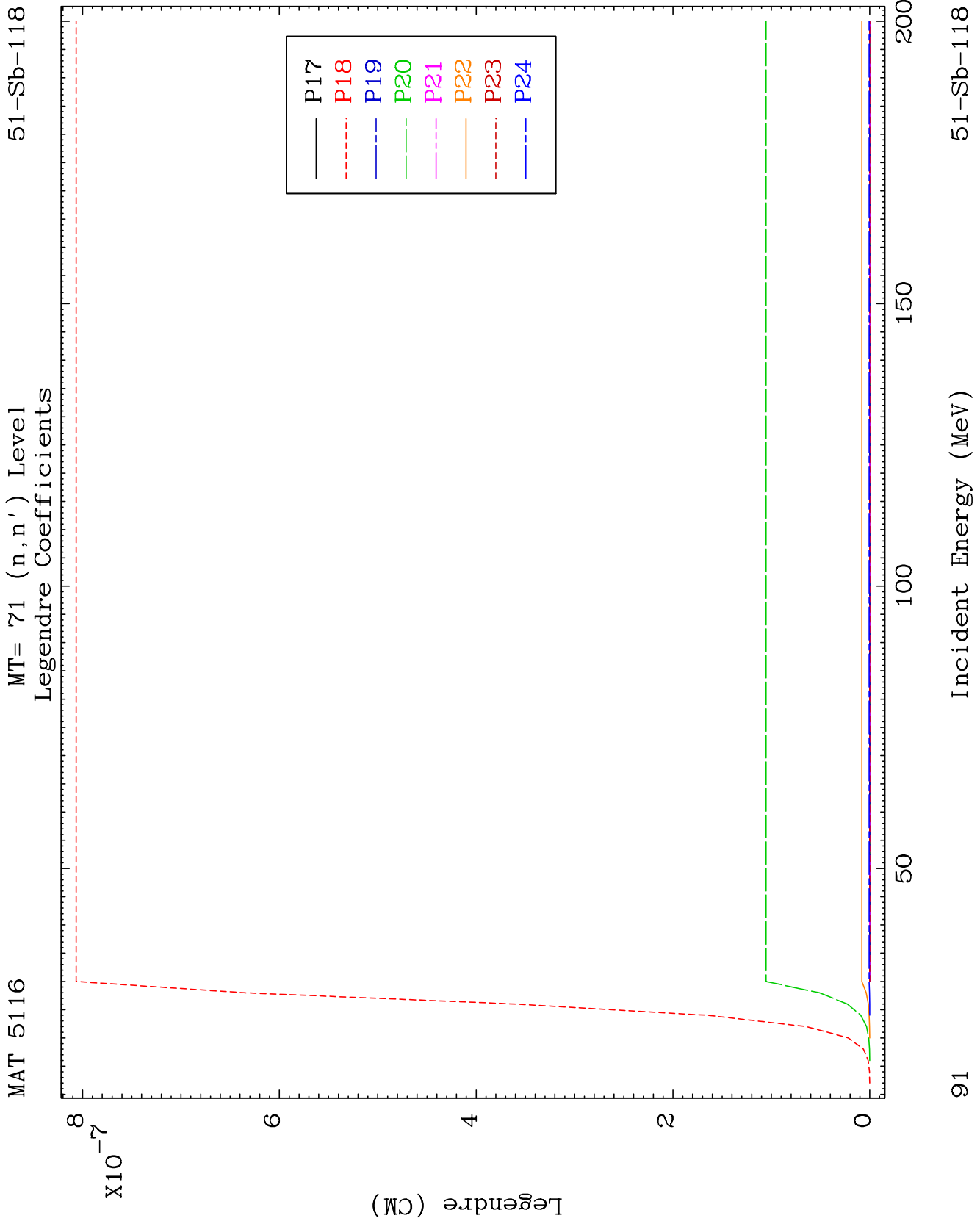


87

Incident Energy (MeV)

51-Sb-118



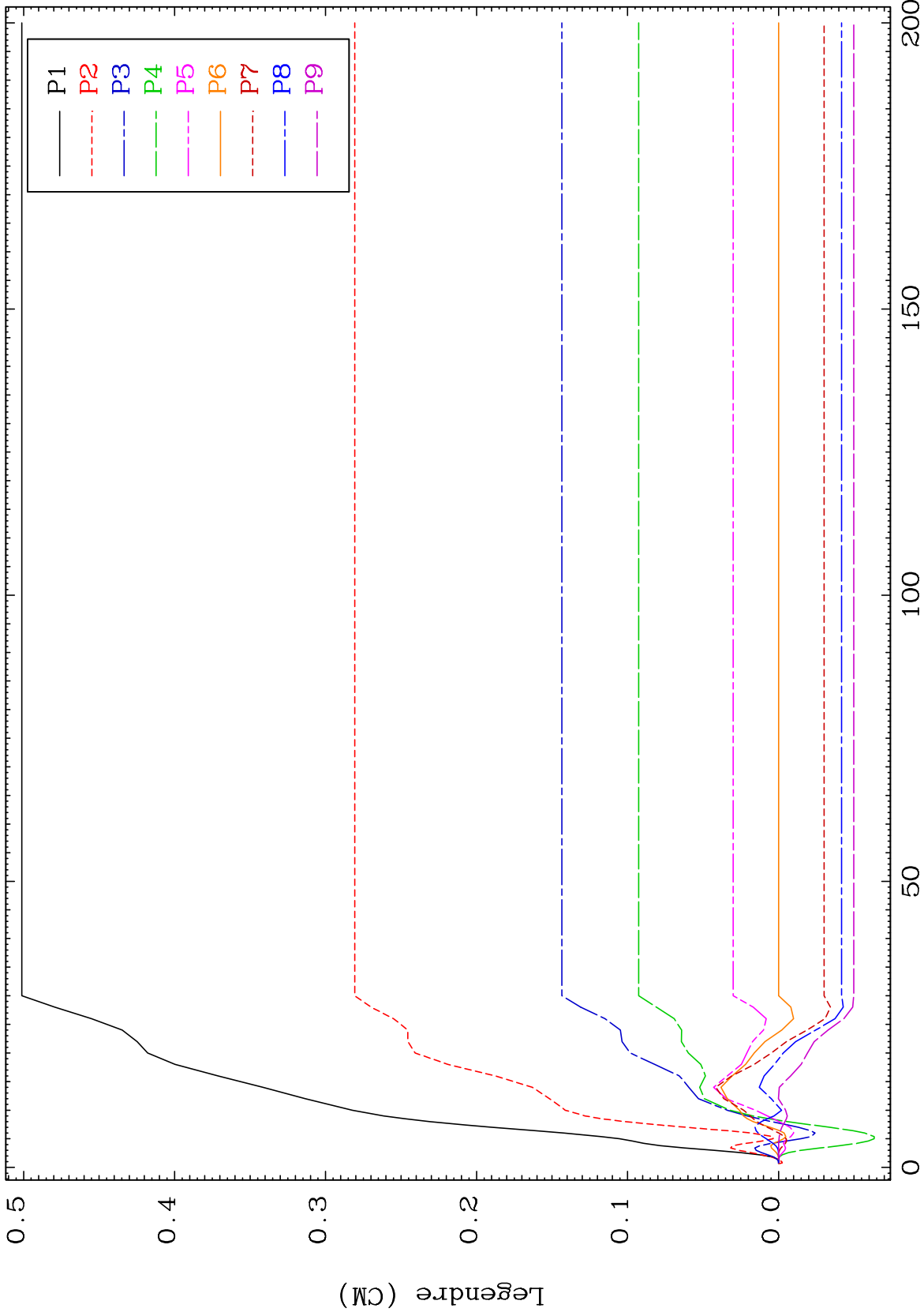


MAT 5116

MT= 72 (n,n') Level

51-Sb-118

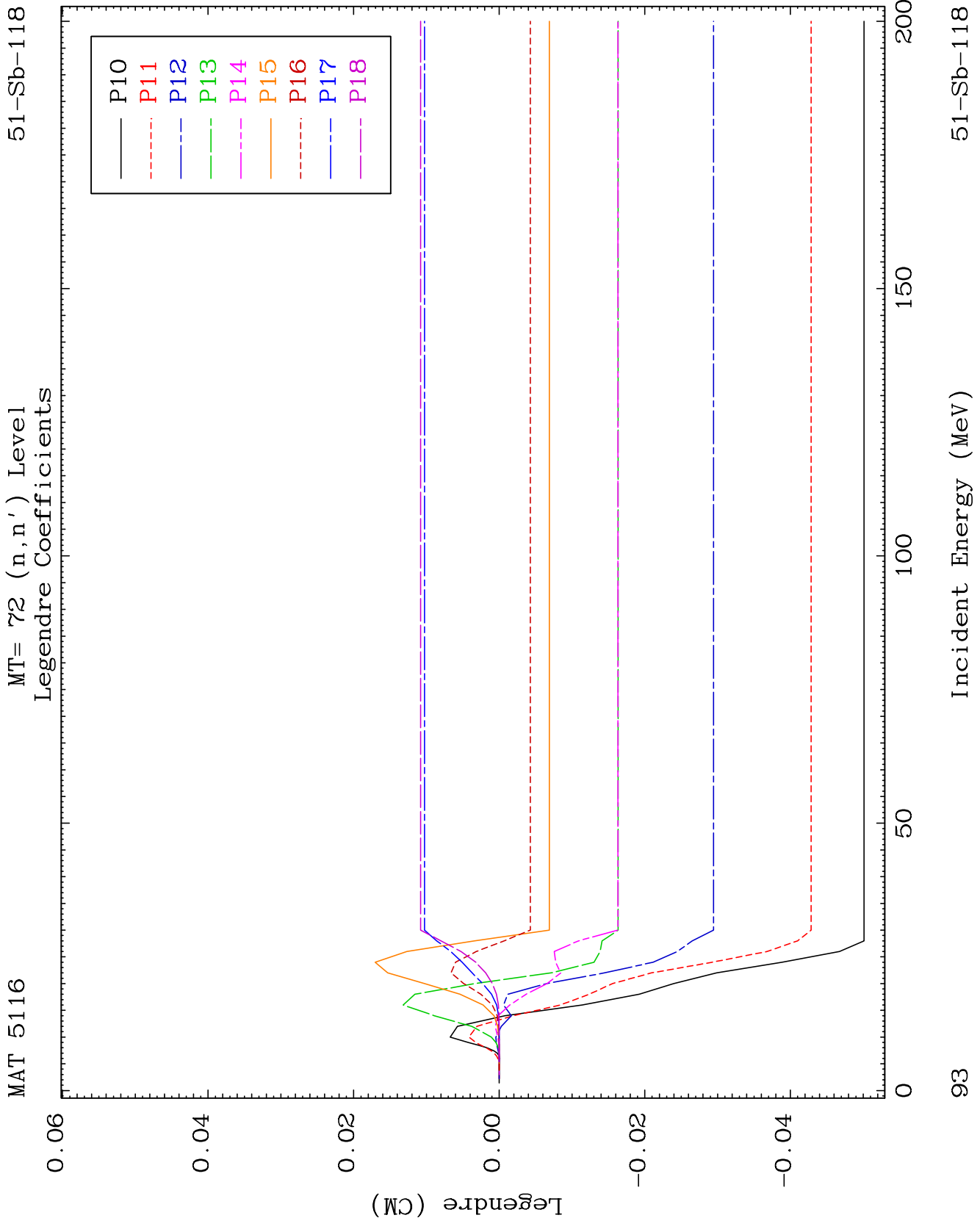
Legendre Coefficients



92

Incident Energy (MeV)

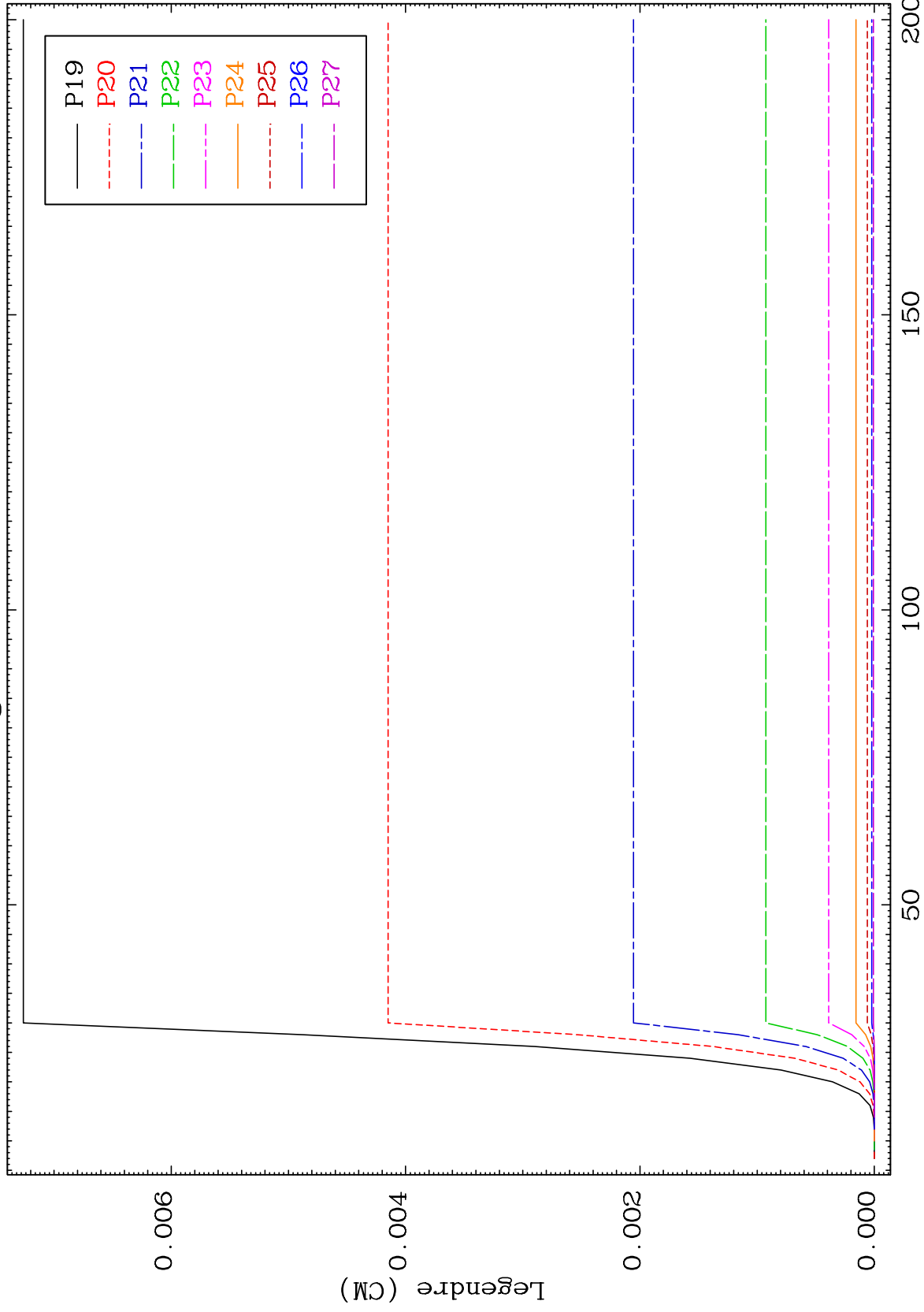
51-Sb-118



MAT 5116

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

51-Sb-118



94

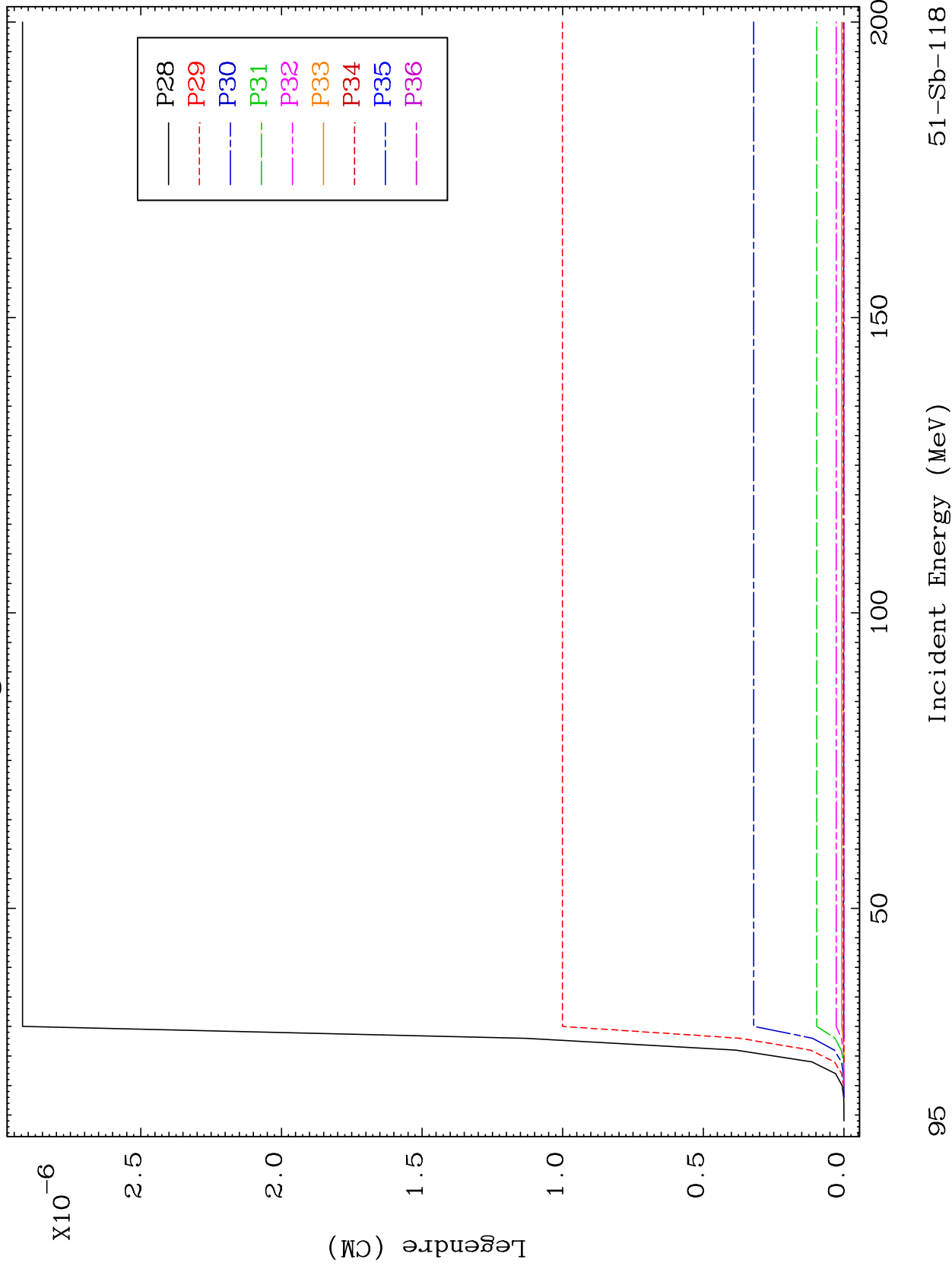
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

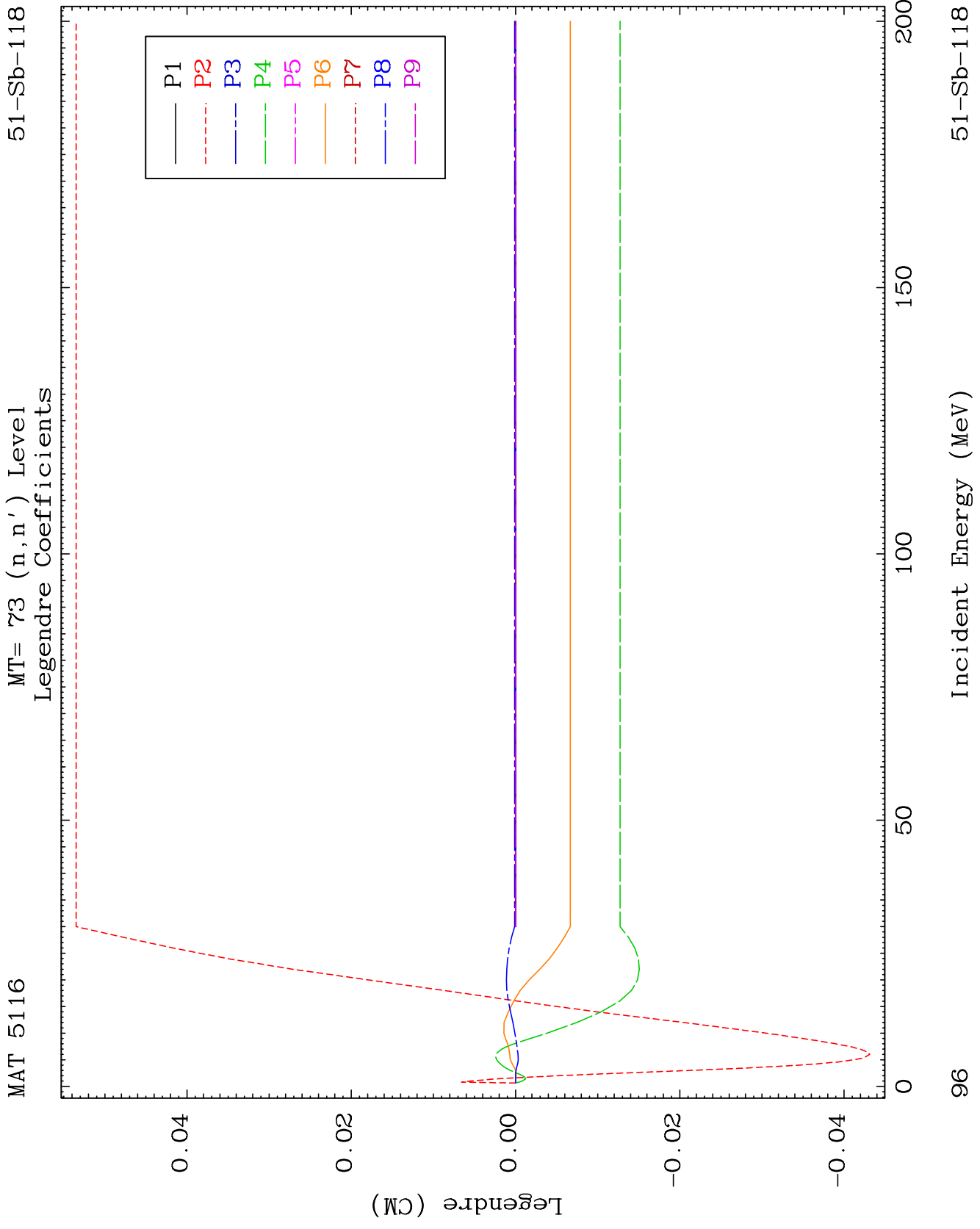
51-Sb-118



95

Incident Energy (MeV)

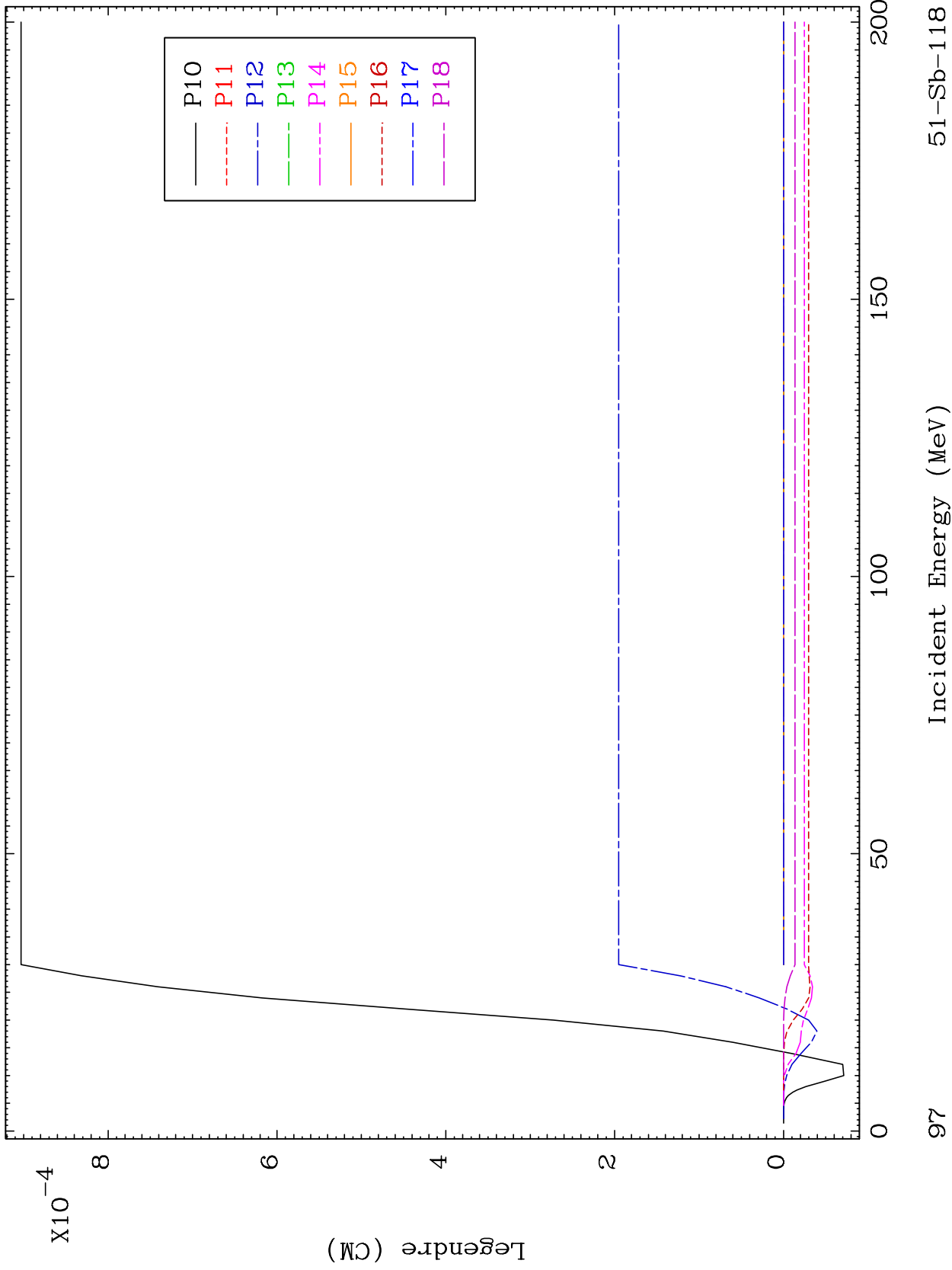
51-Sb-118



MAT 51116

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

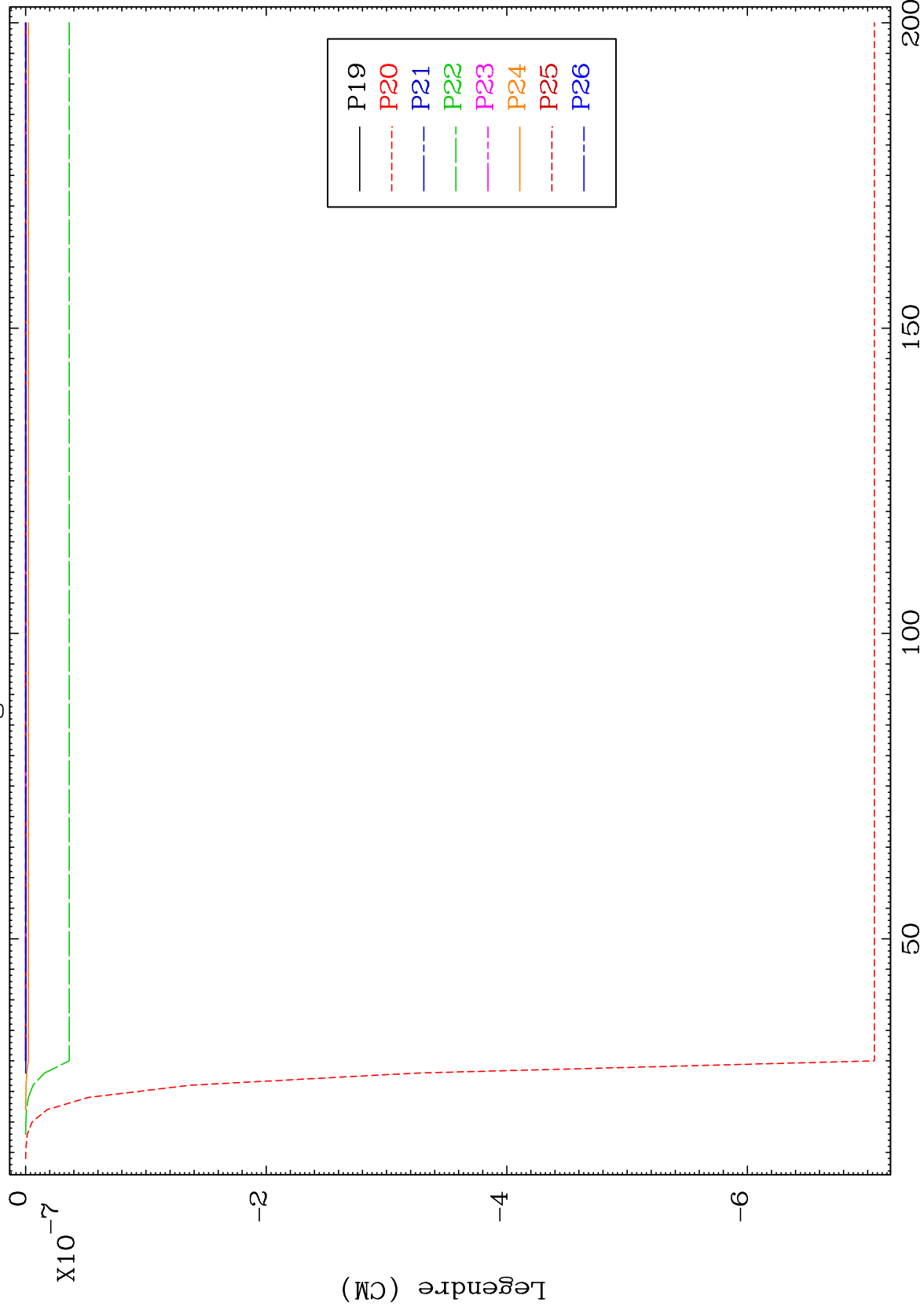
51-Sb-118



MAT 5116

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

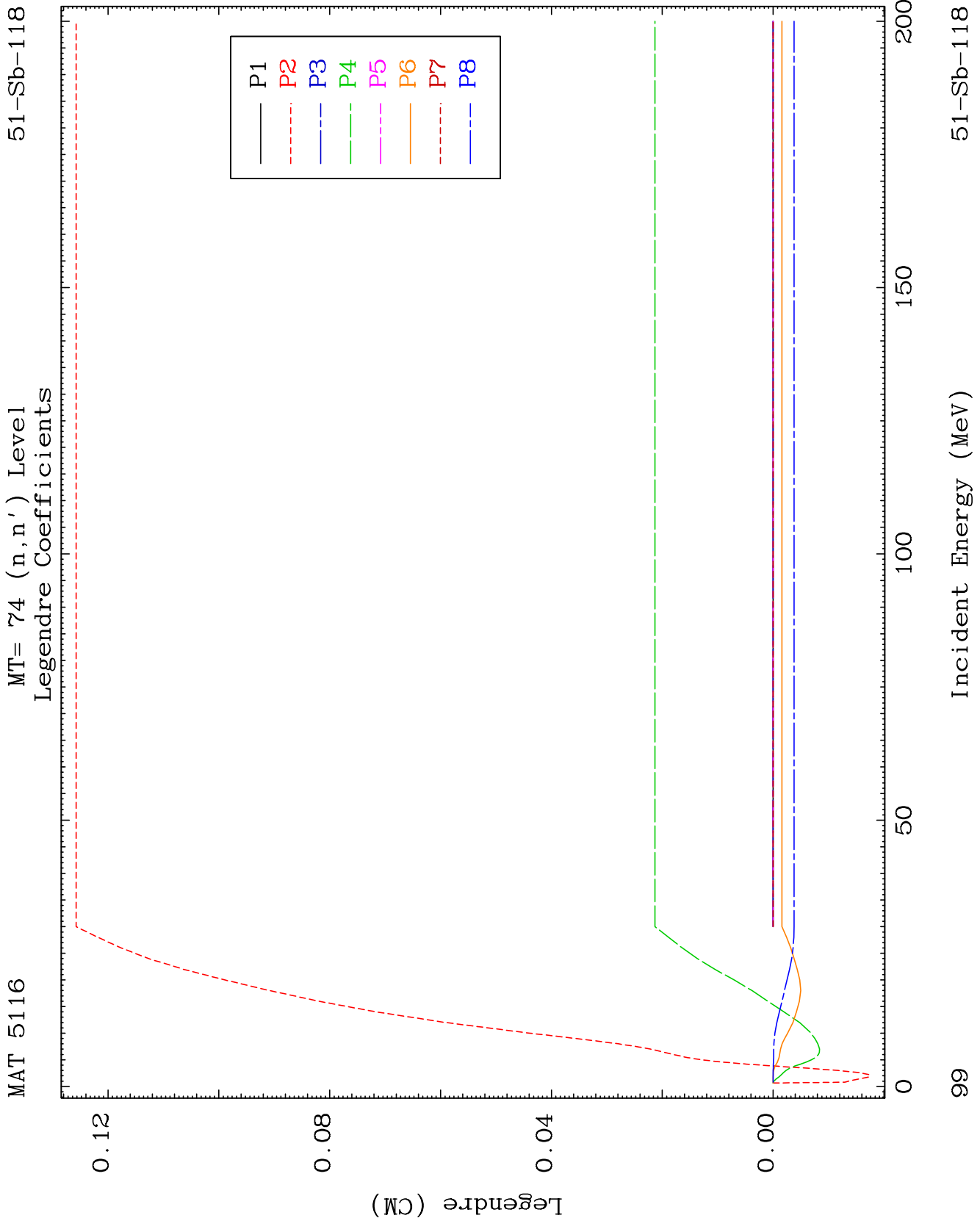
51-Sb-118

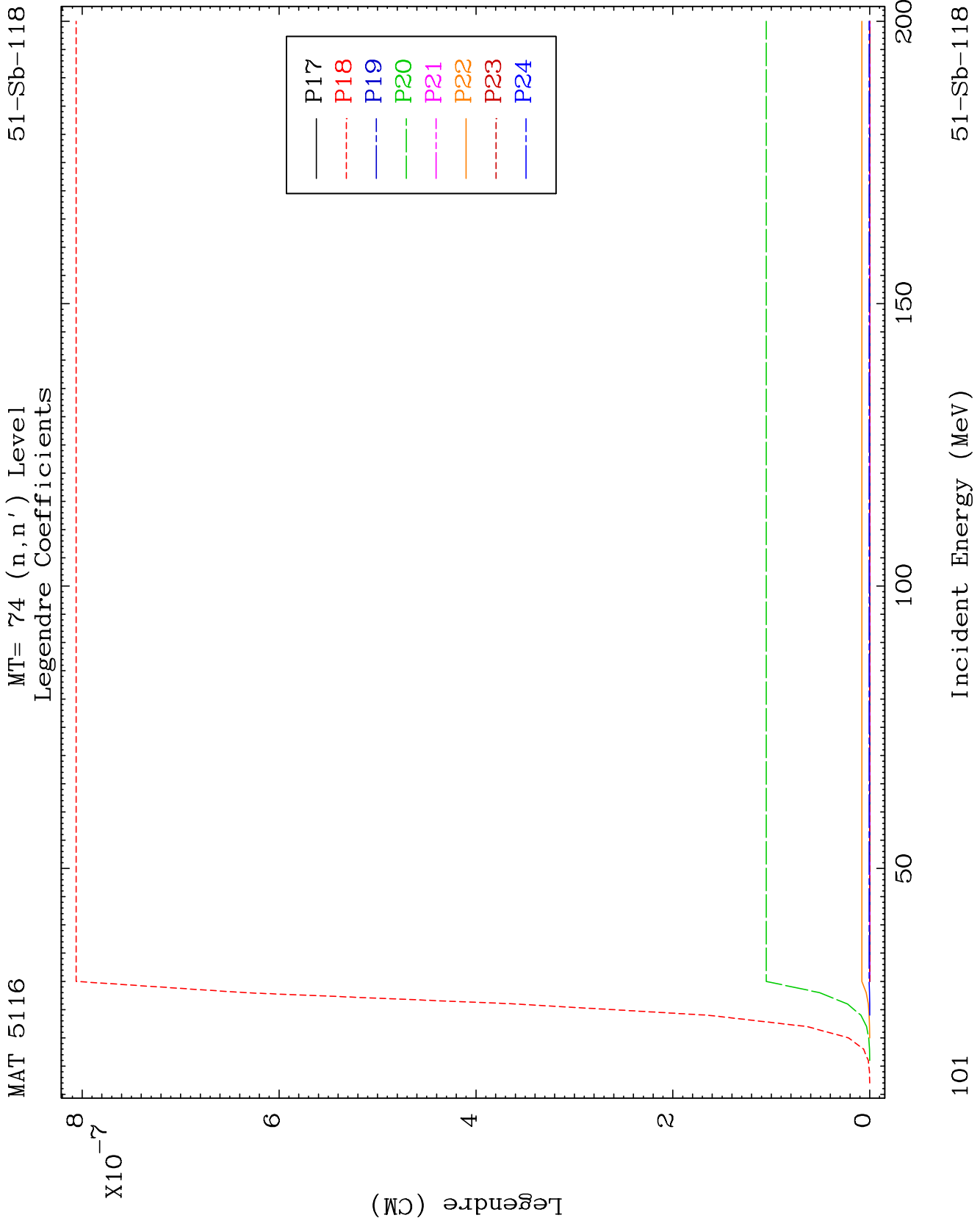


98

Incident Energy (MeV)

51-Sb-118

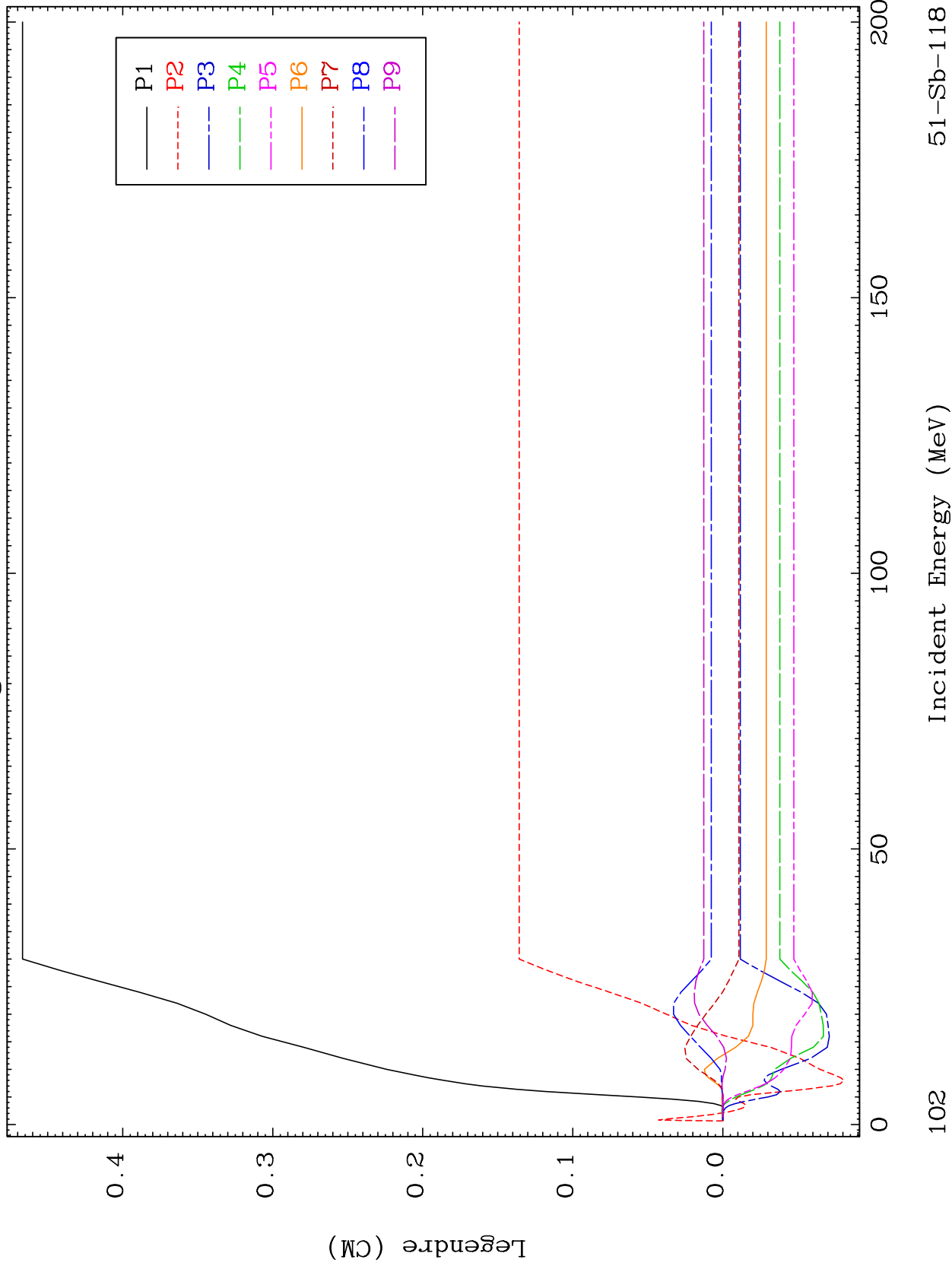




MAT 5116

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

51-Sb-118



51-Sb-118

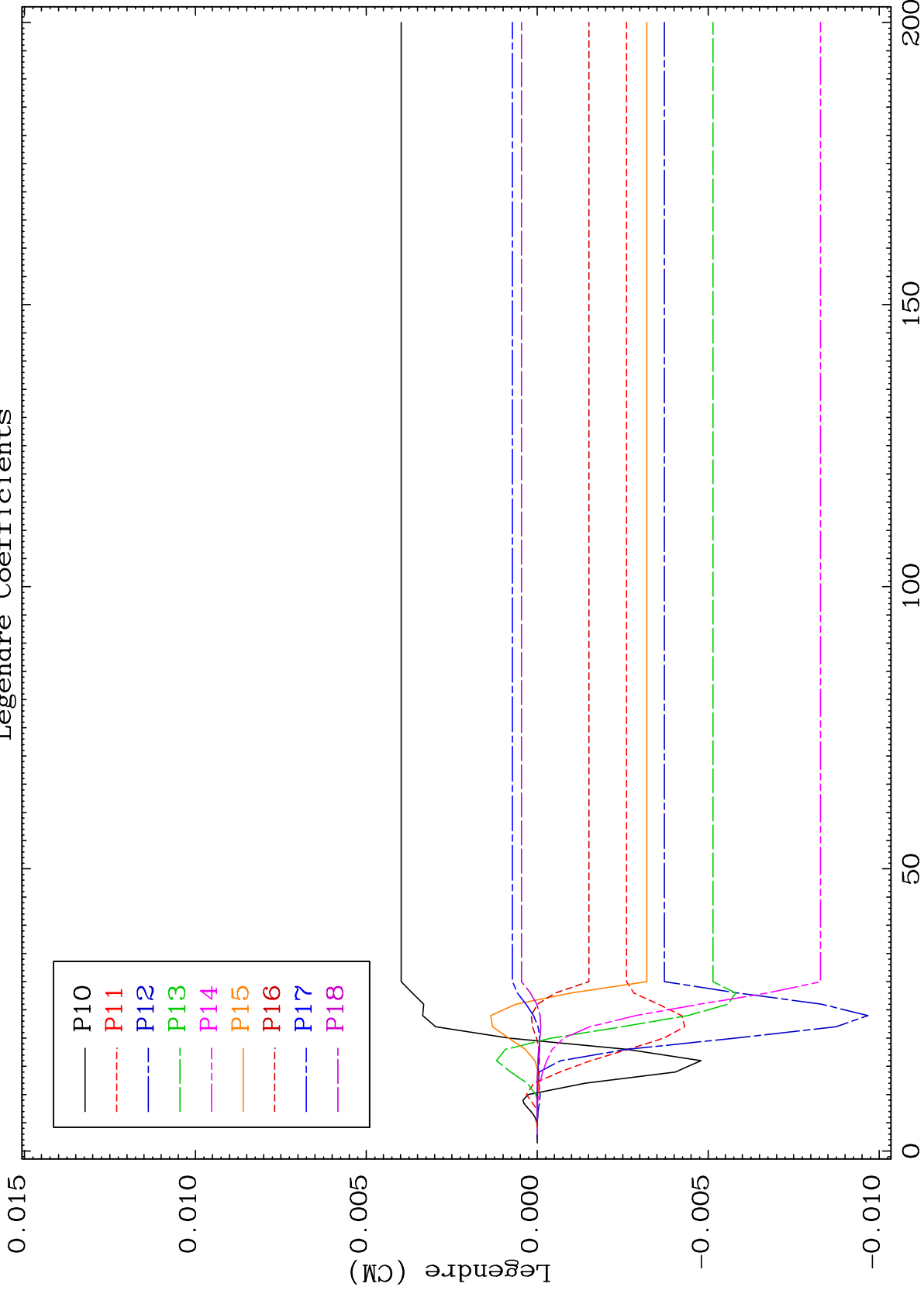
Incident Energy (MeV)

102

MAT 5116

51-Sb-118

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



103

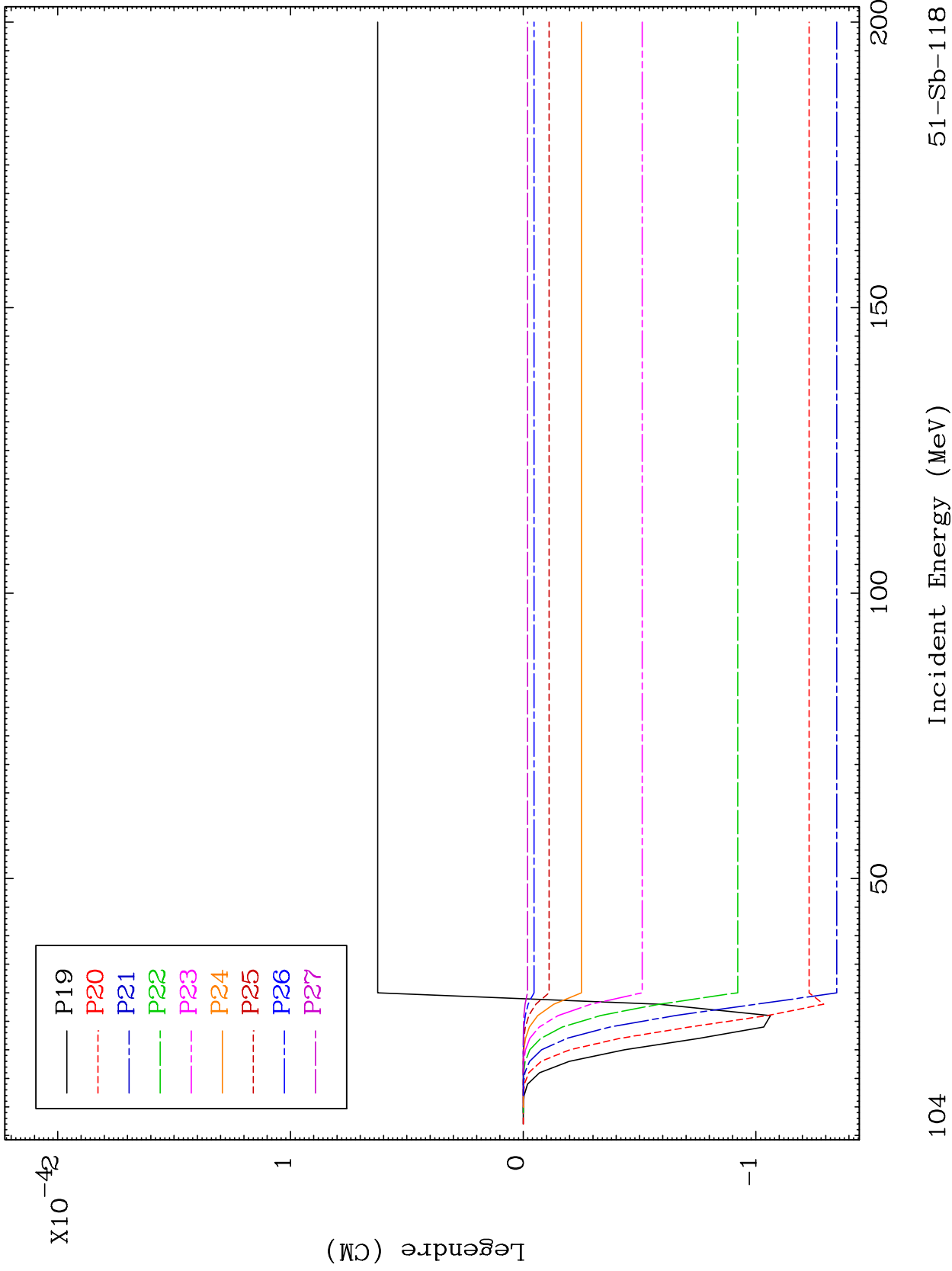
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



104

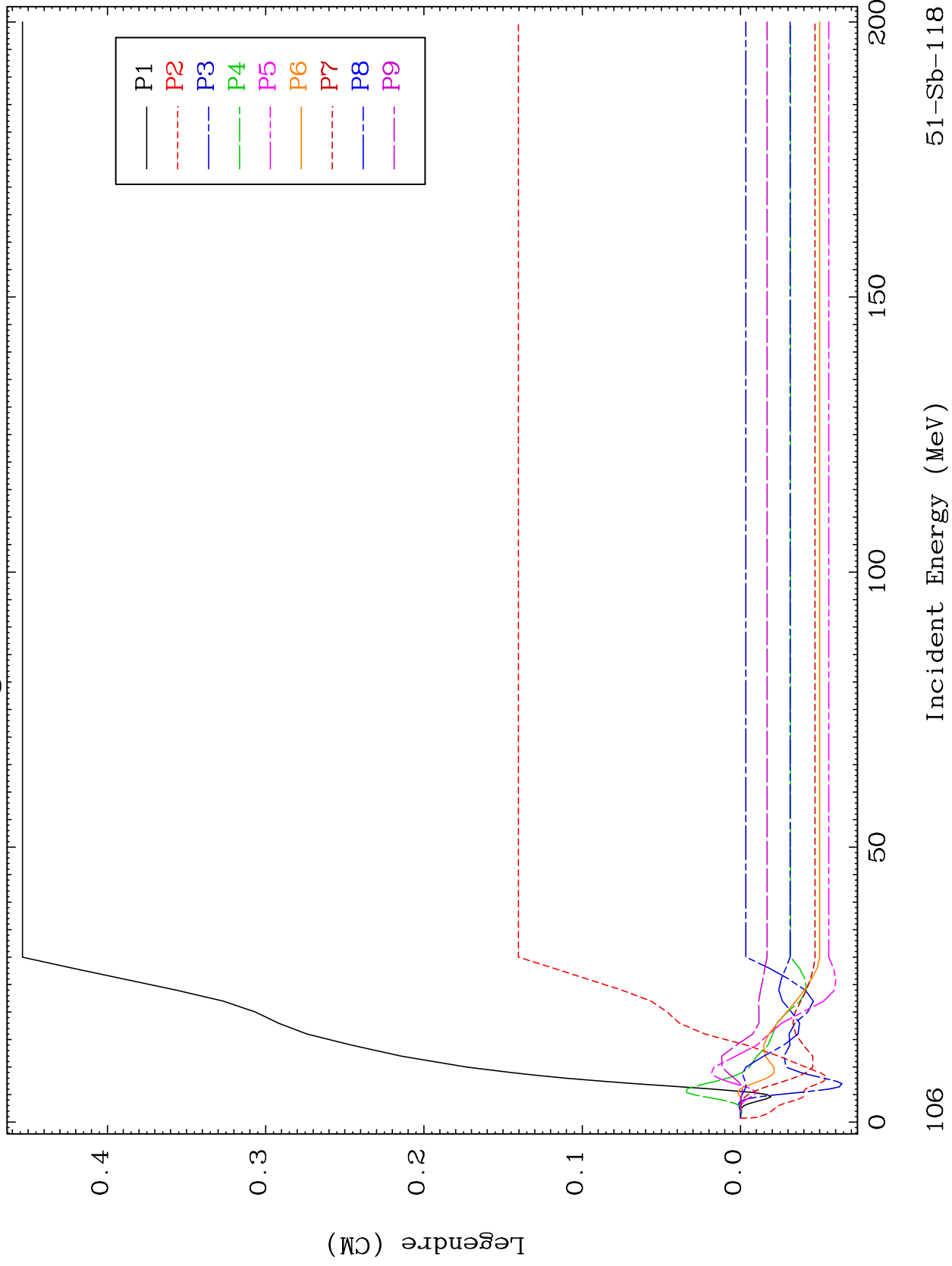
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

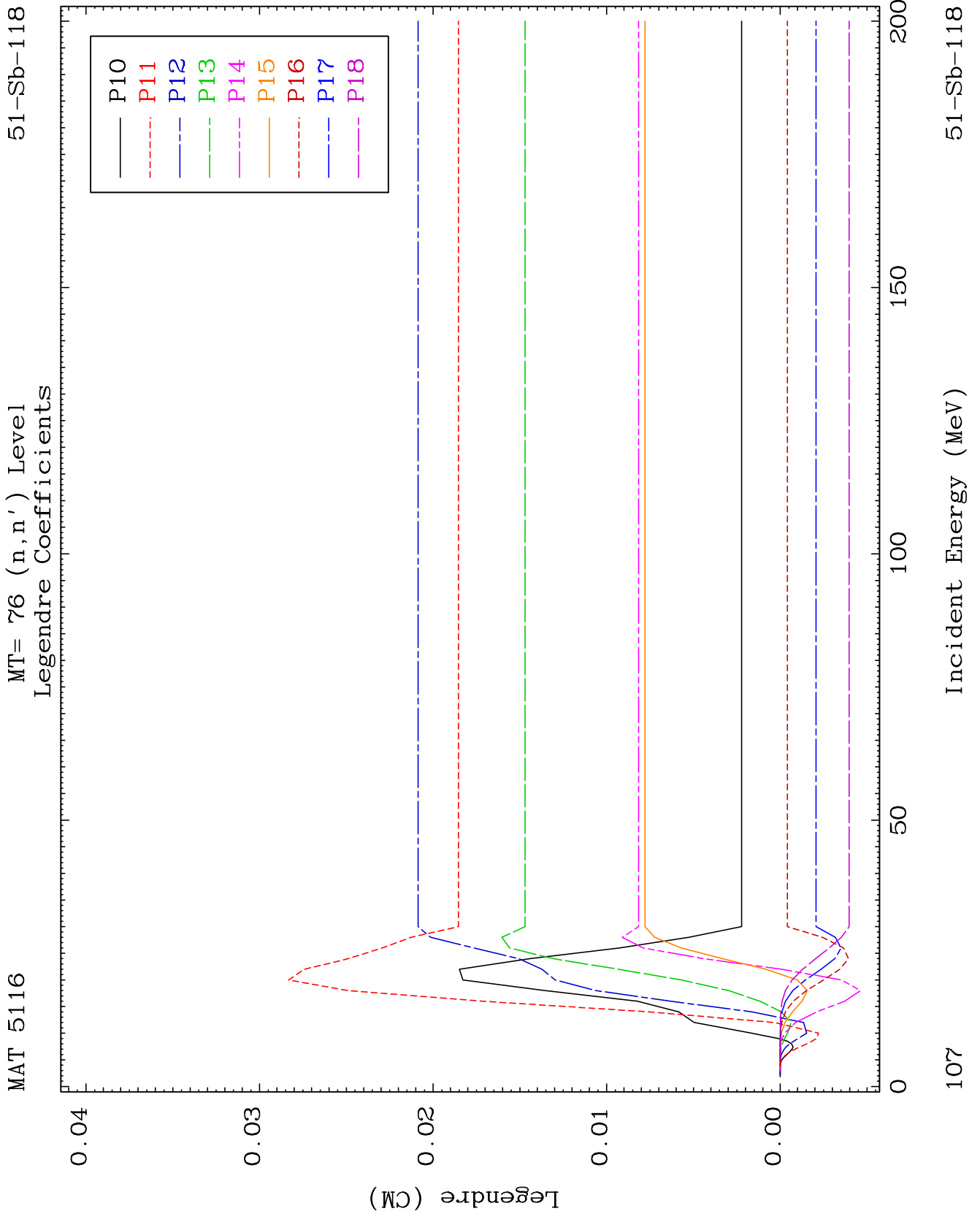
51-Sb-118



51-Sb-118

Incident Energy (MeV)

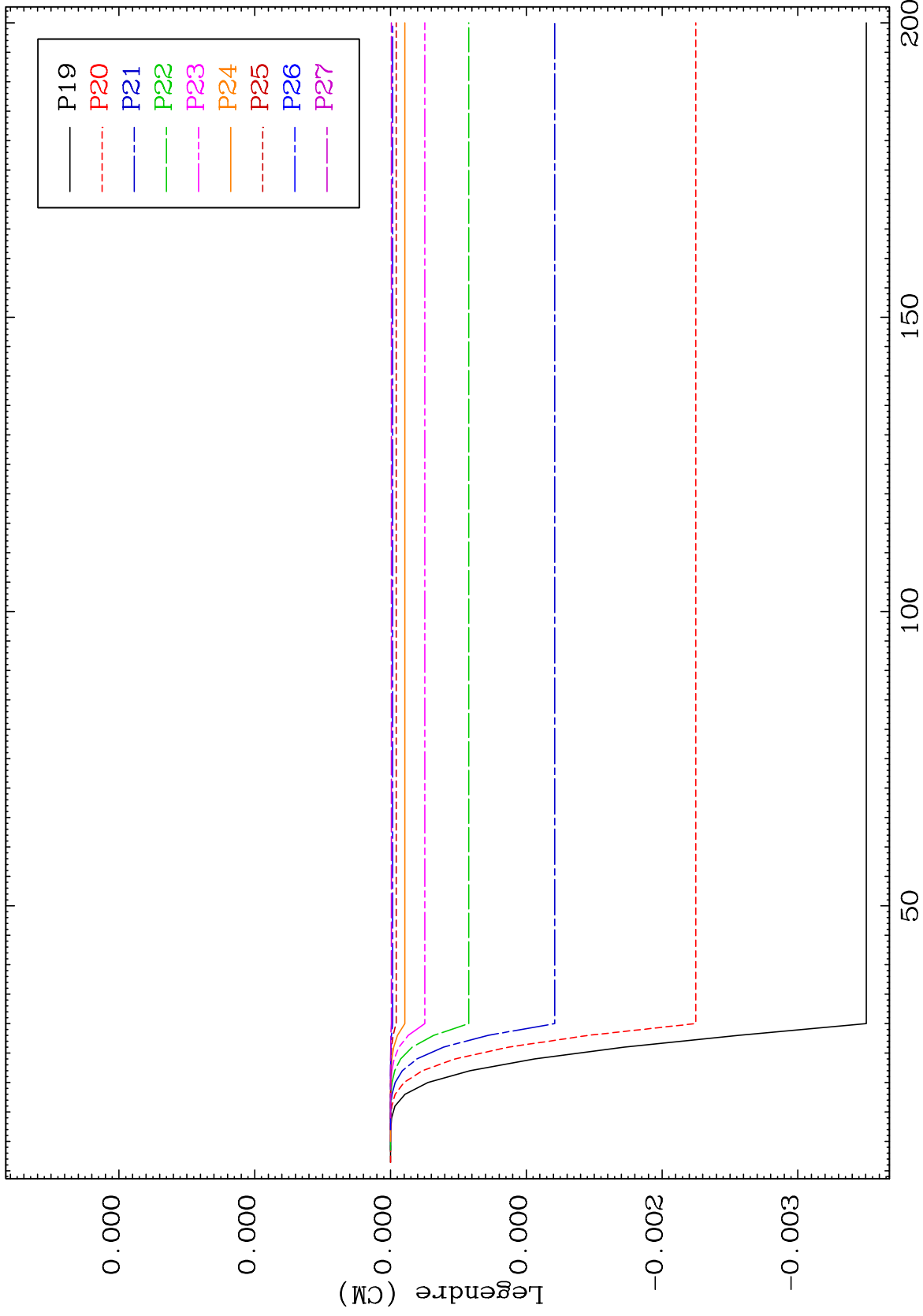
106



MAT 5116

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

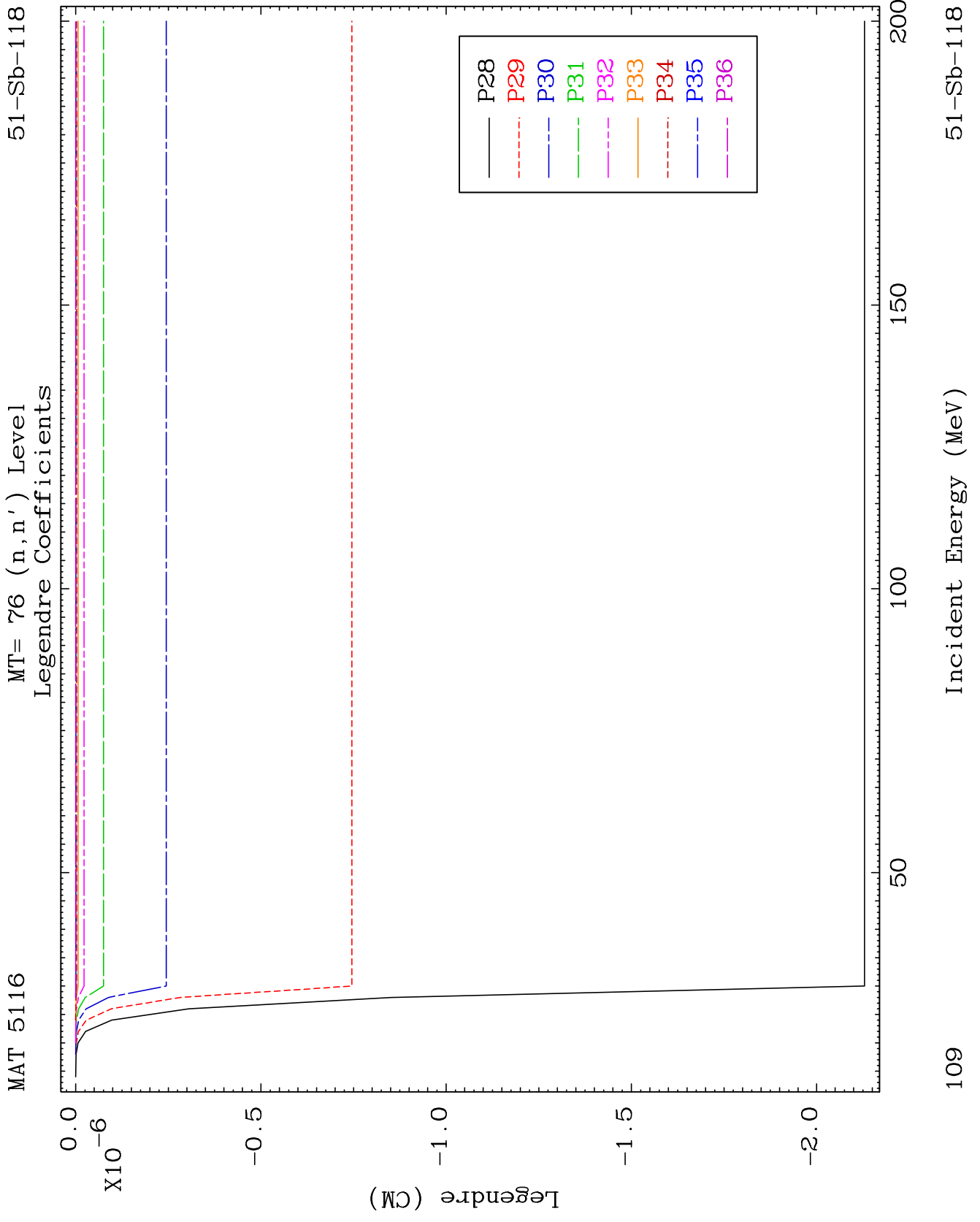
51-Sb-118



108

Incident Energy (MeV)

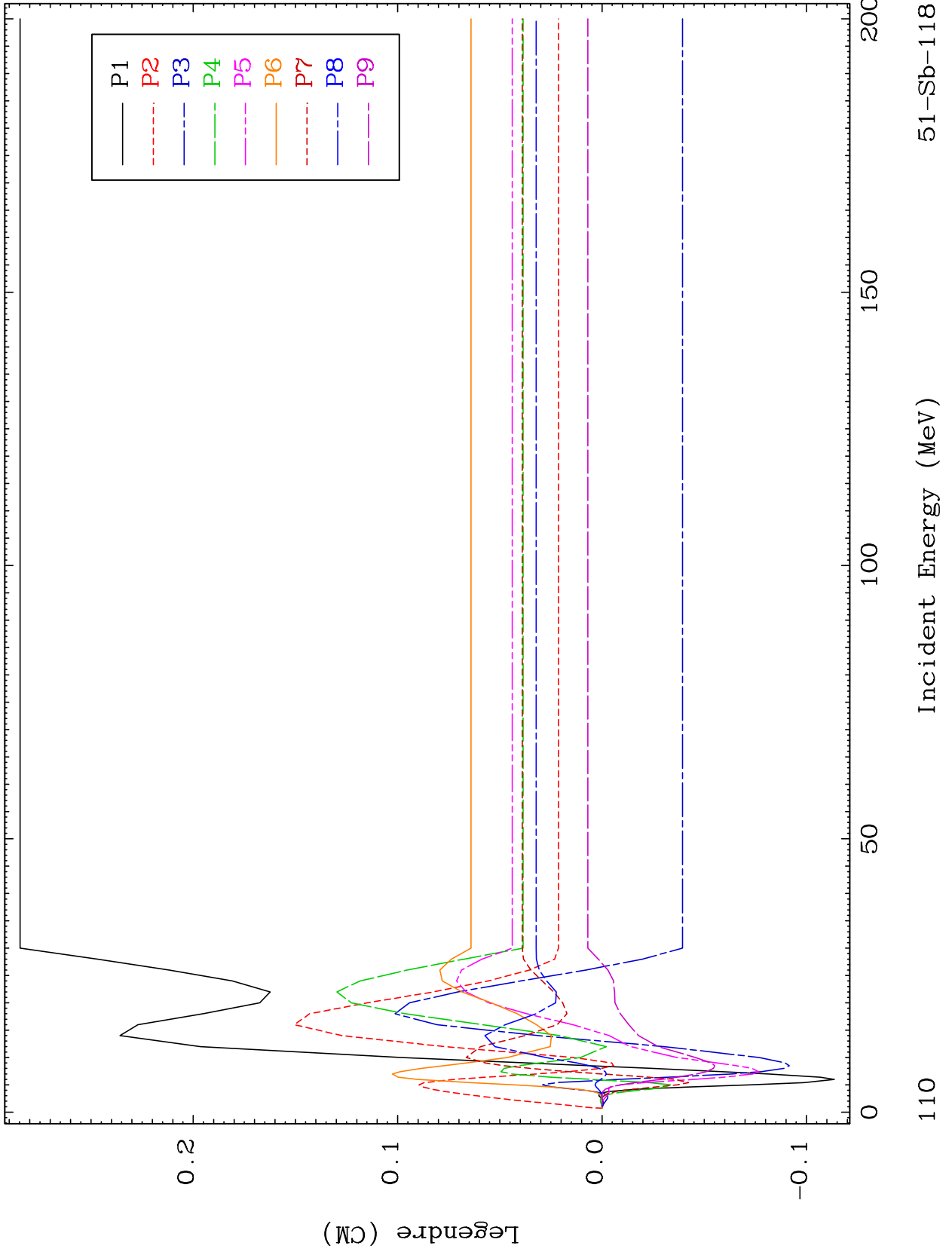
51-Sb-118



MAT 5116

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

51-Sb-118



51-Sb-118

Incident Energy (MeV)

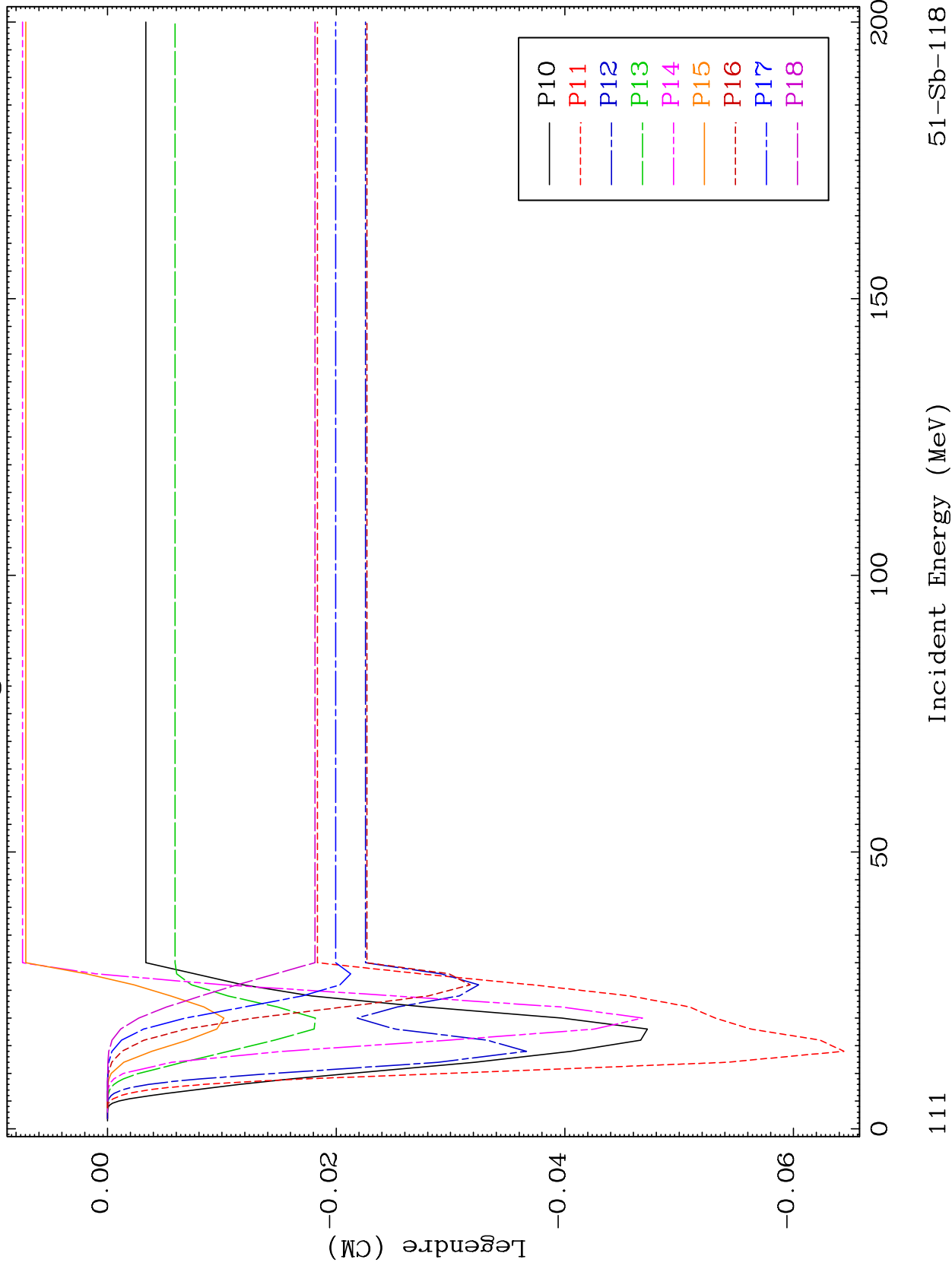
110

MAT 5116

MT= 77 (n,n') Level

51-Sb-118

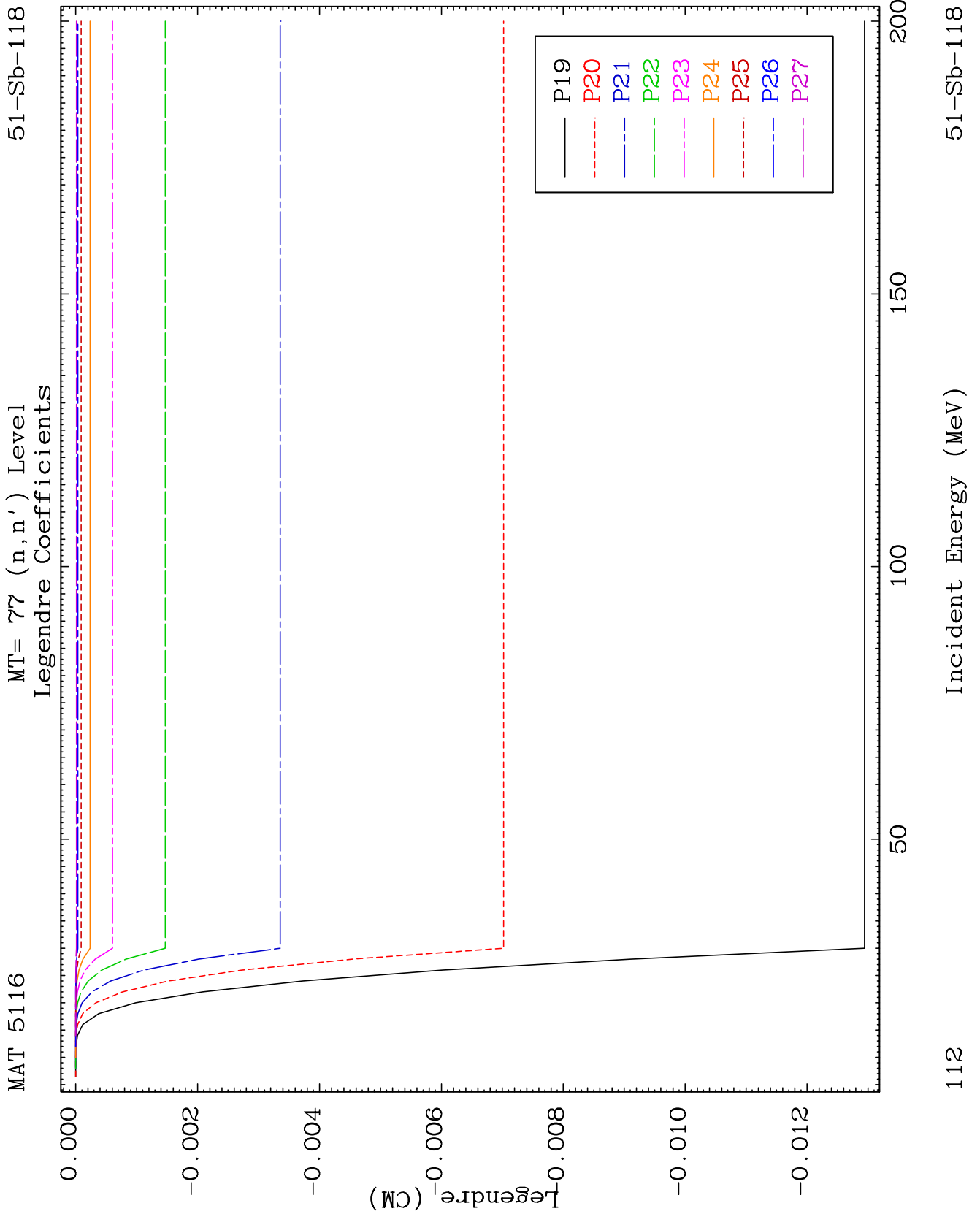
Legendre Coefficients

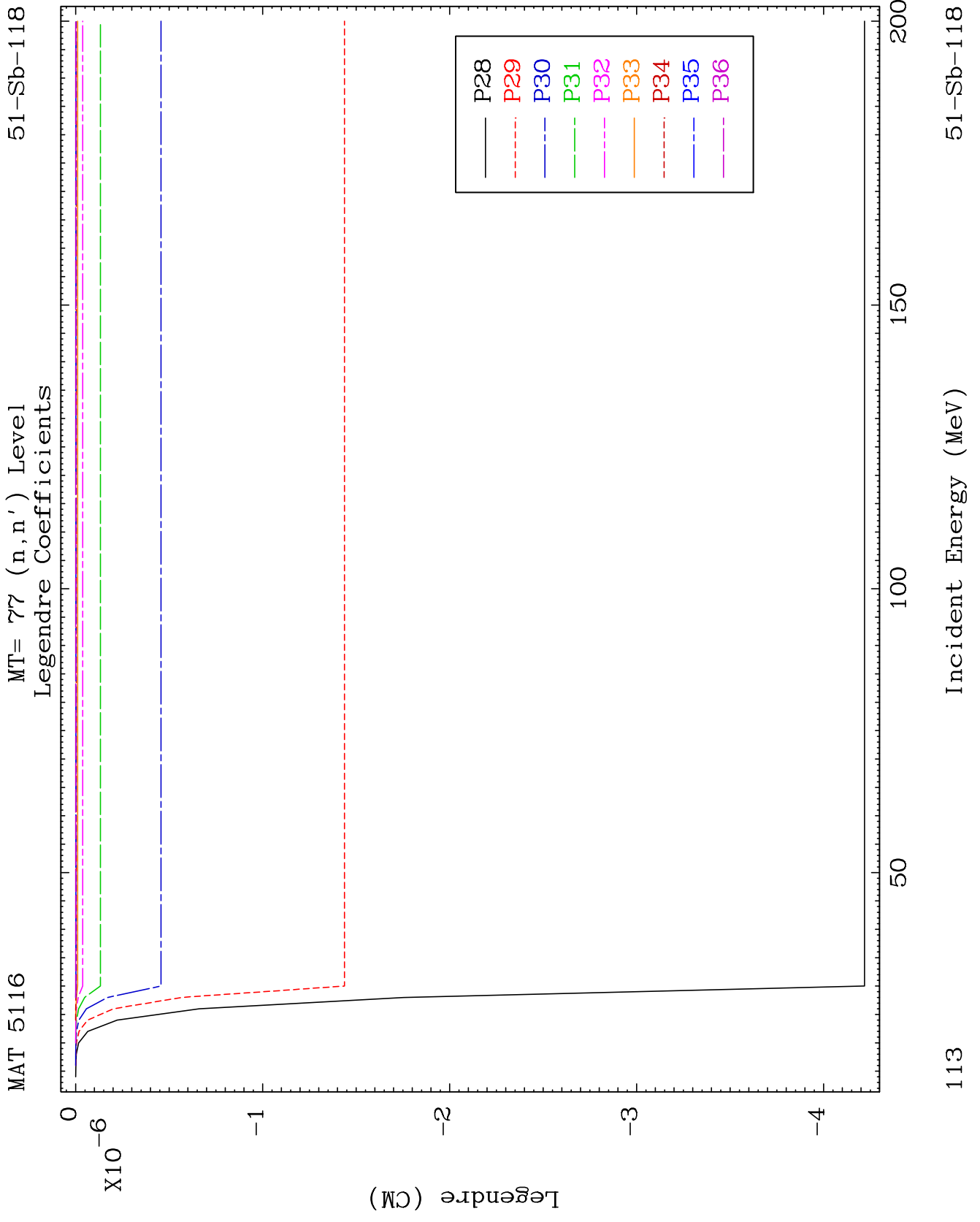


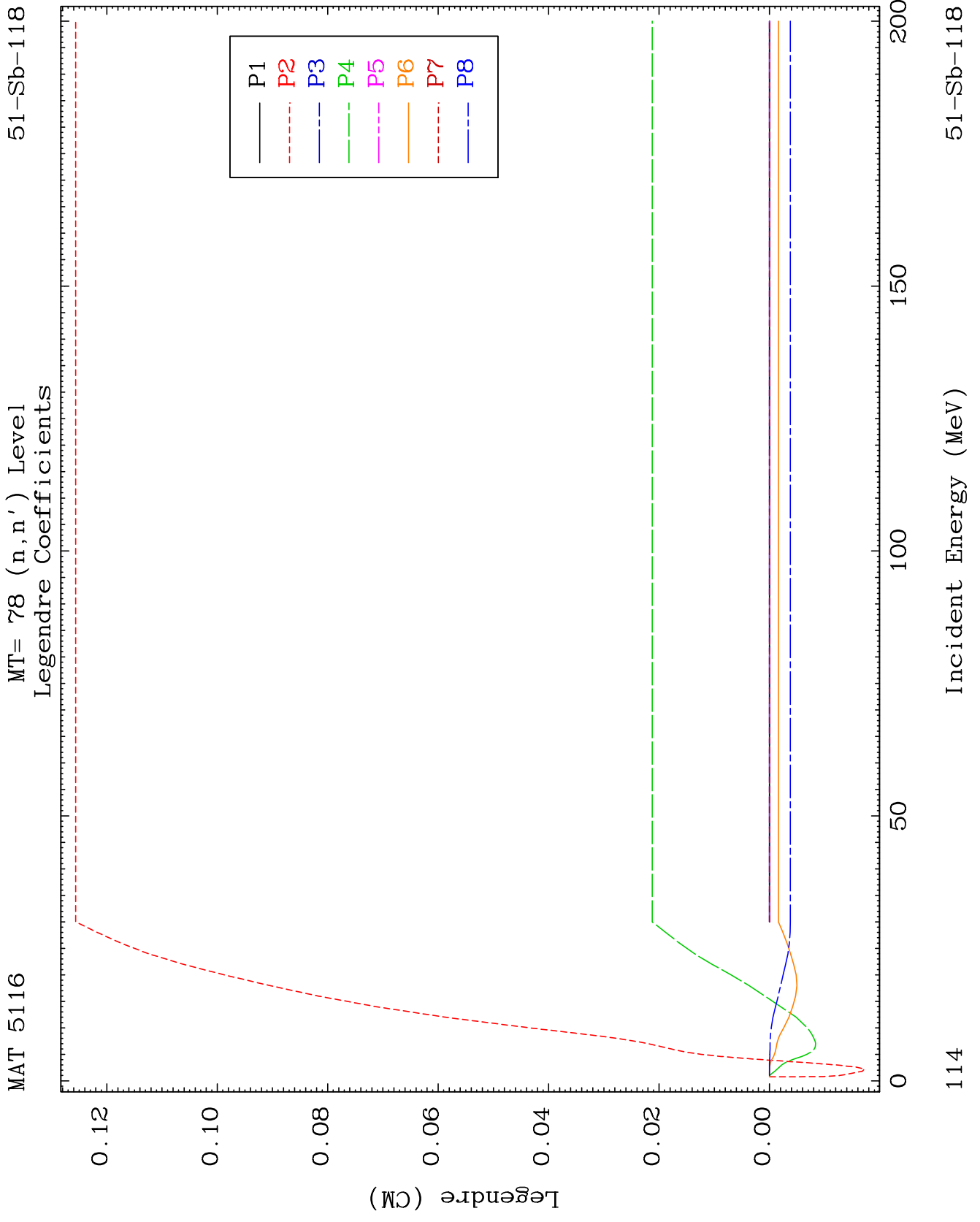
111

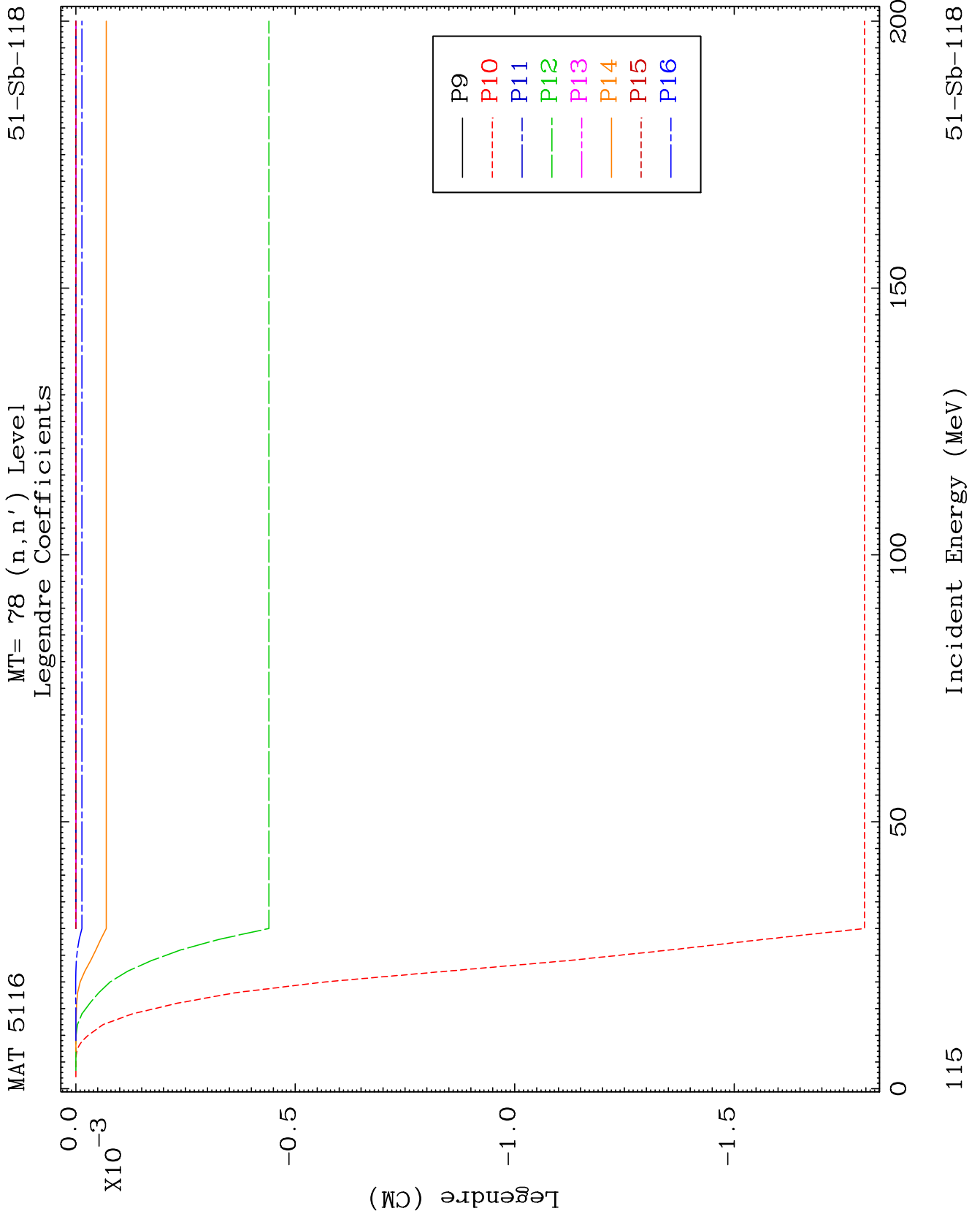
Incident Energy (MeV)

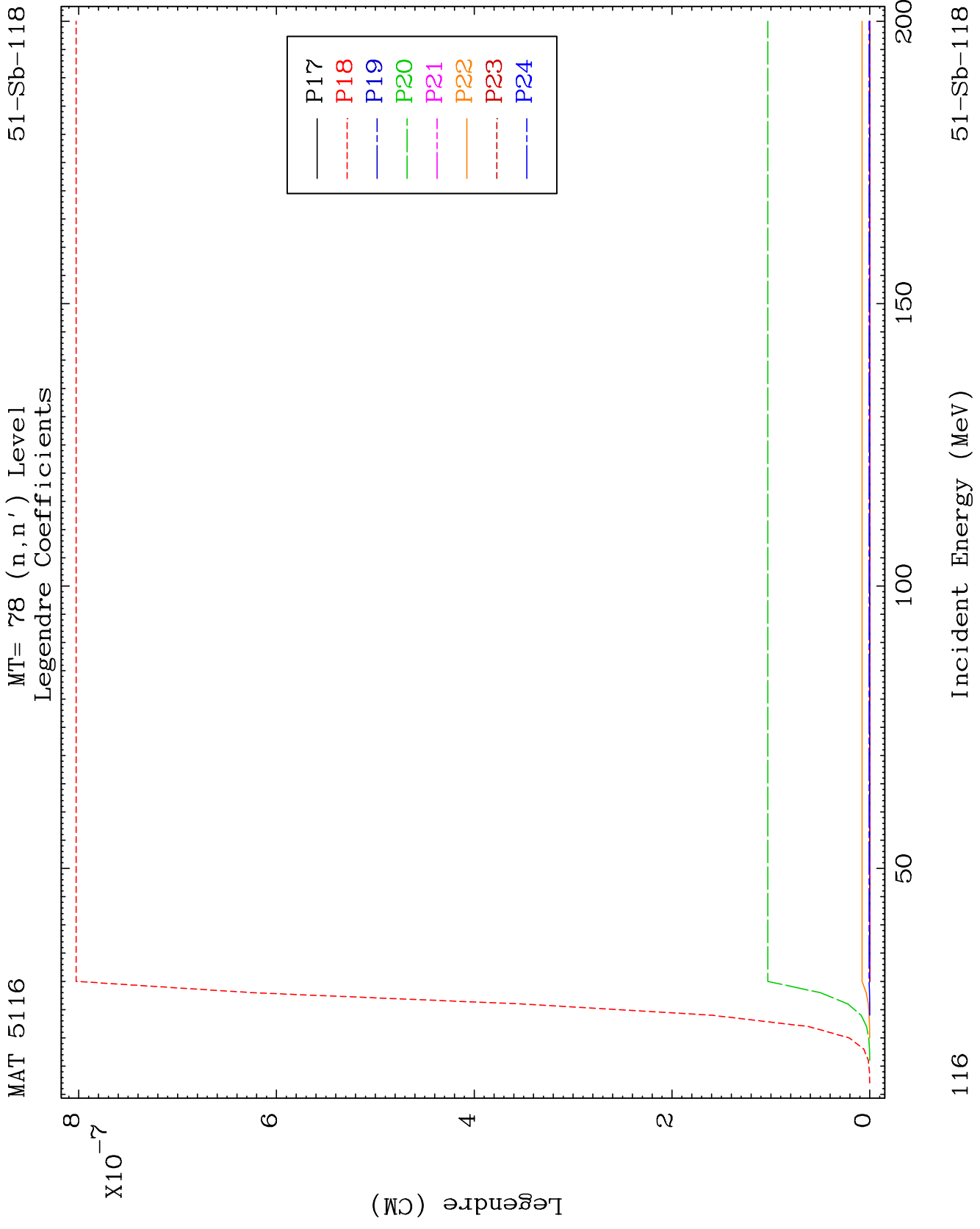
51-Sb-118

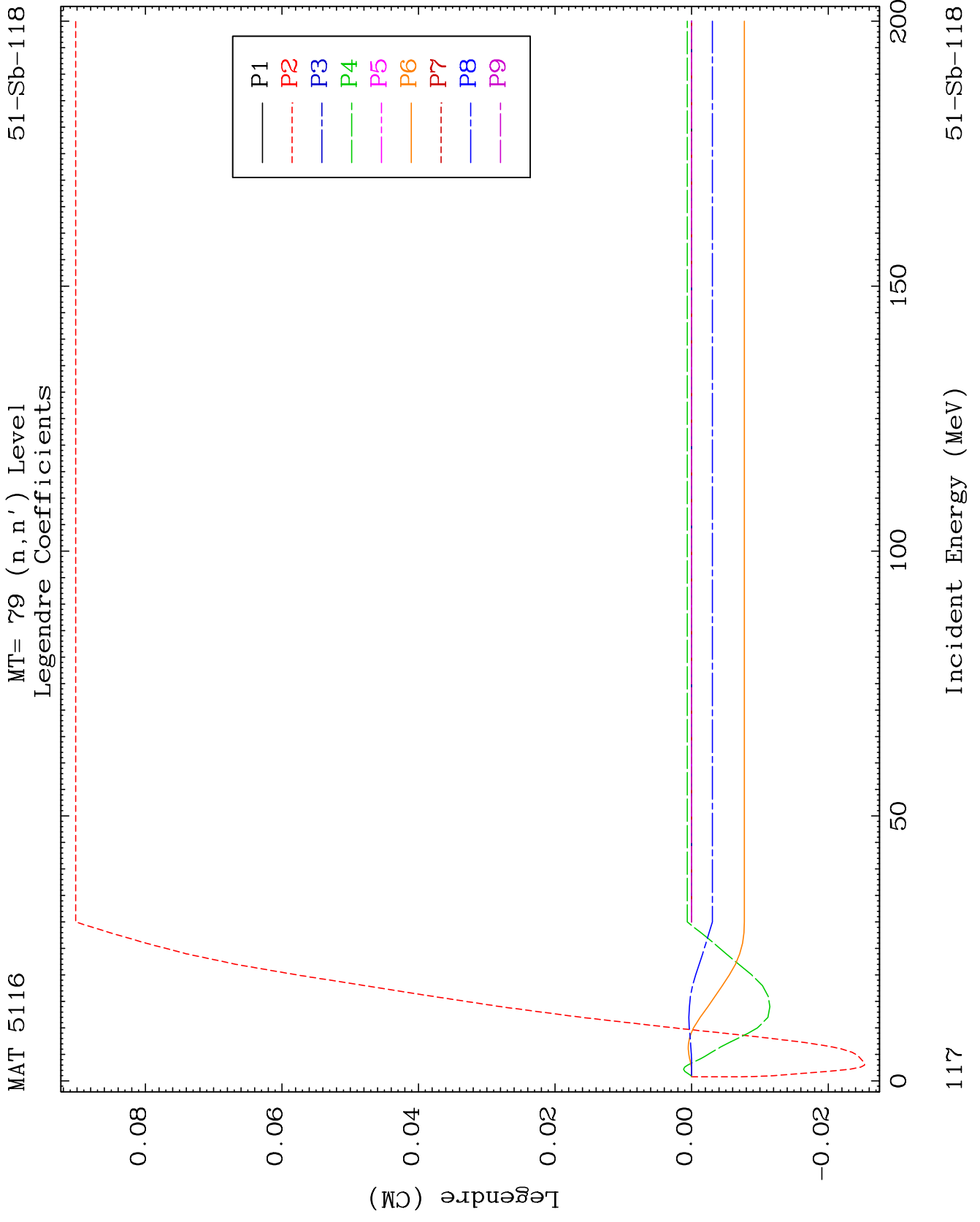








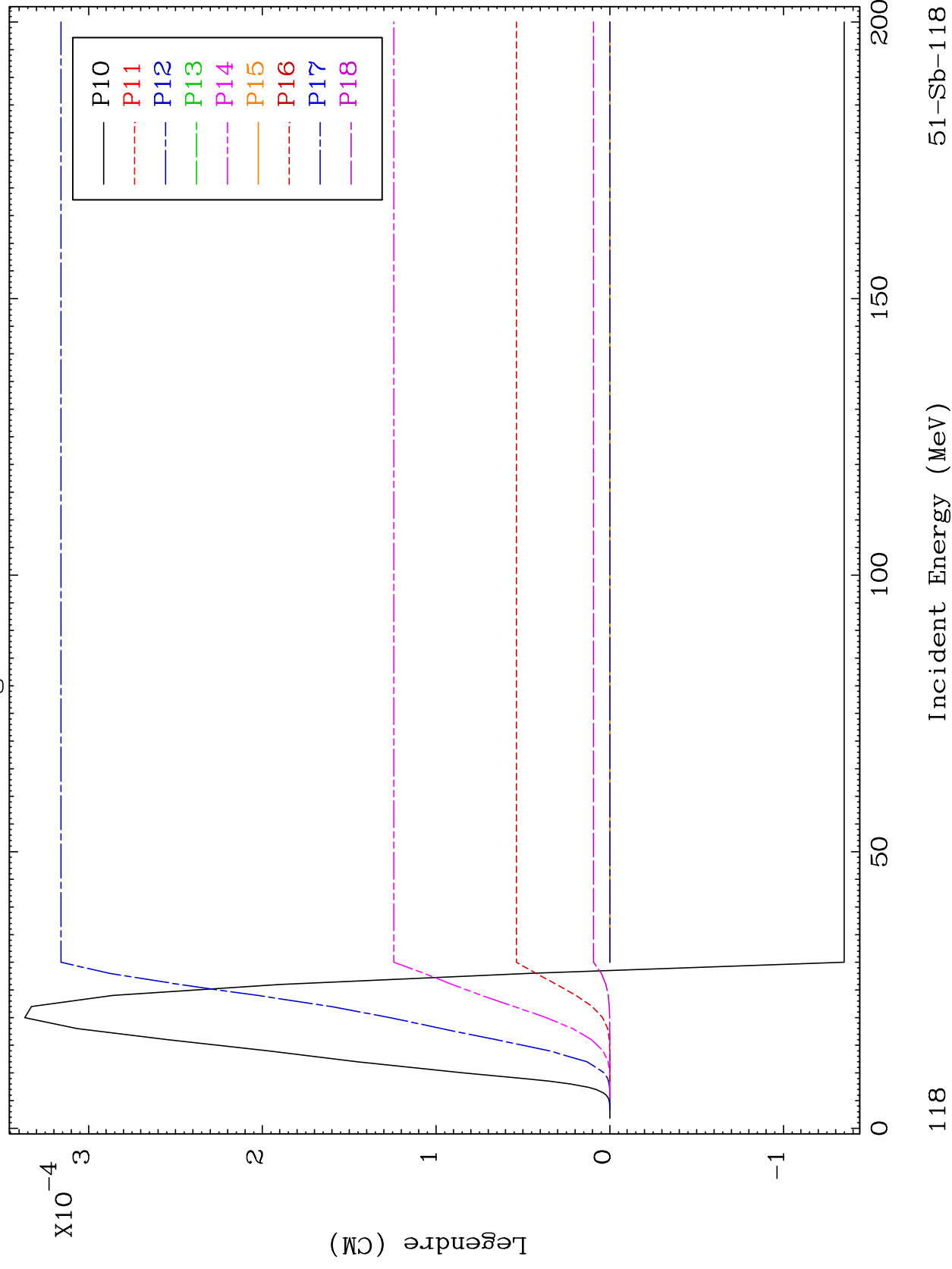


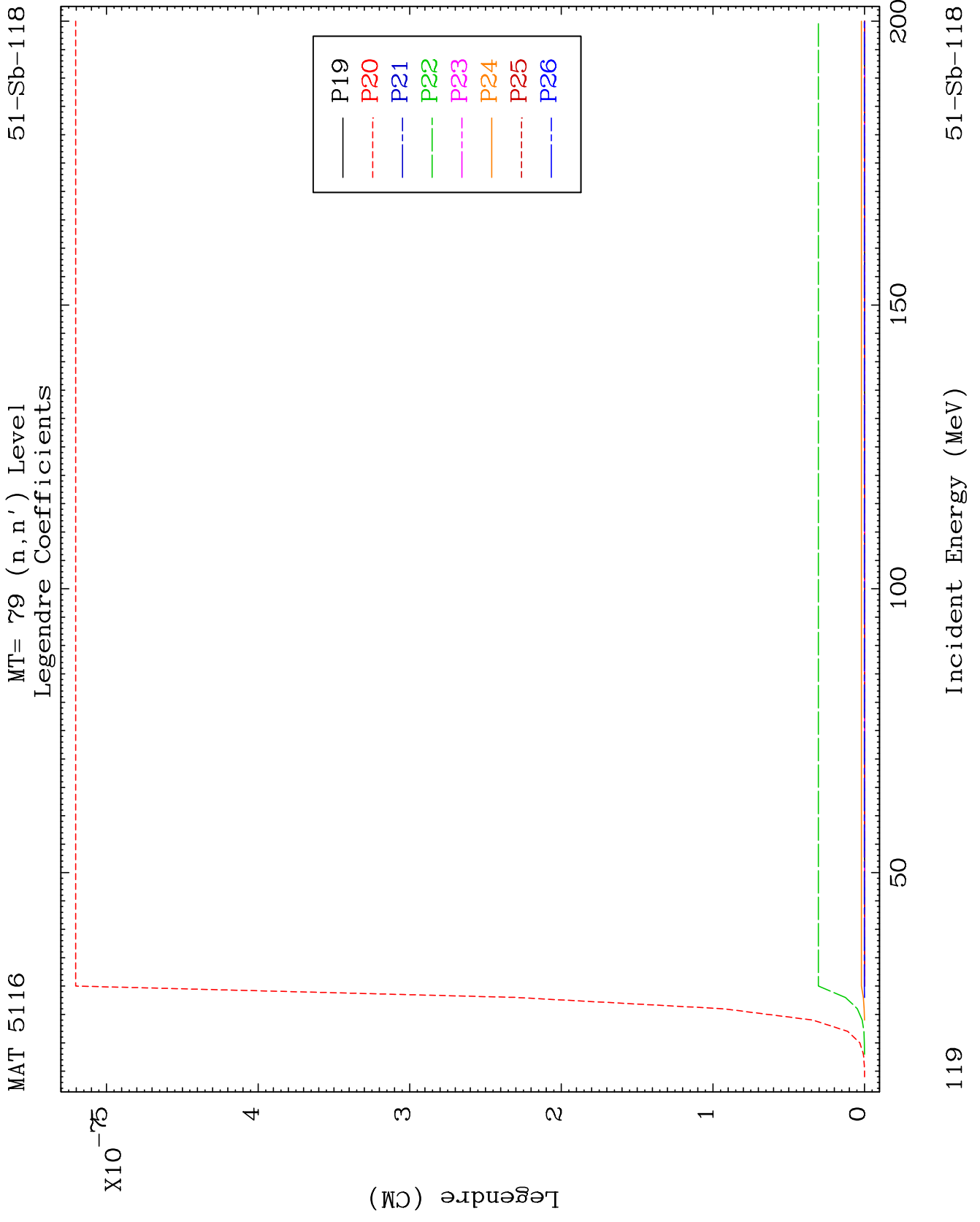


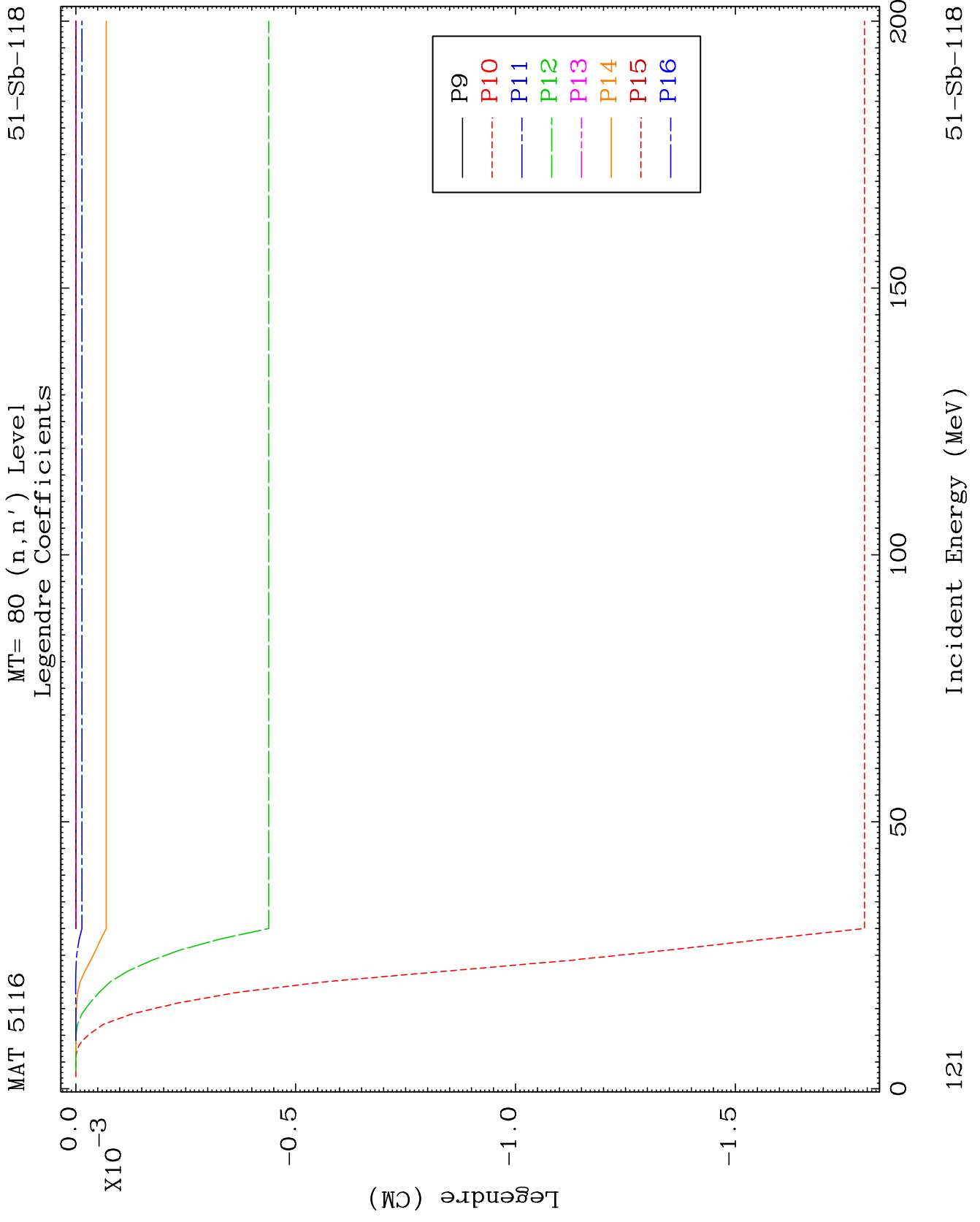
MAT 5116

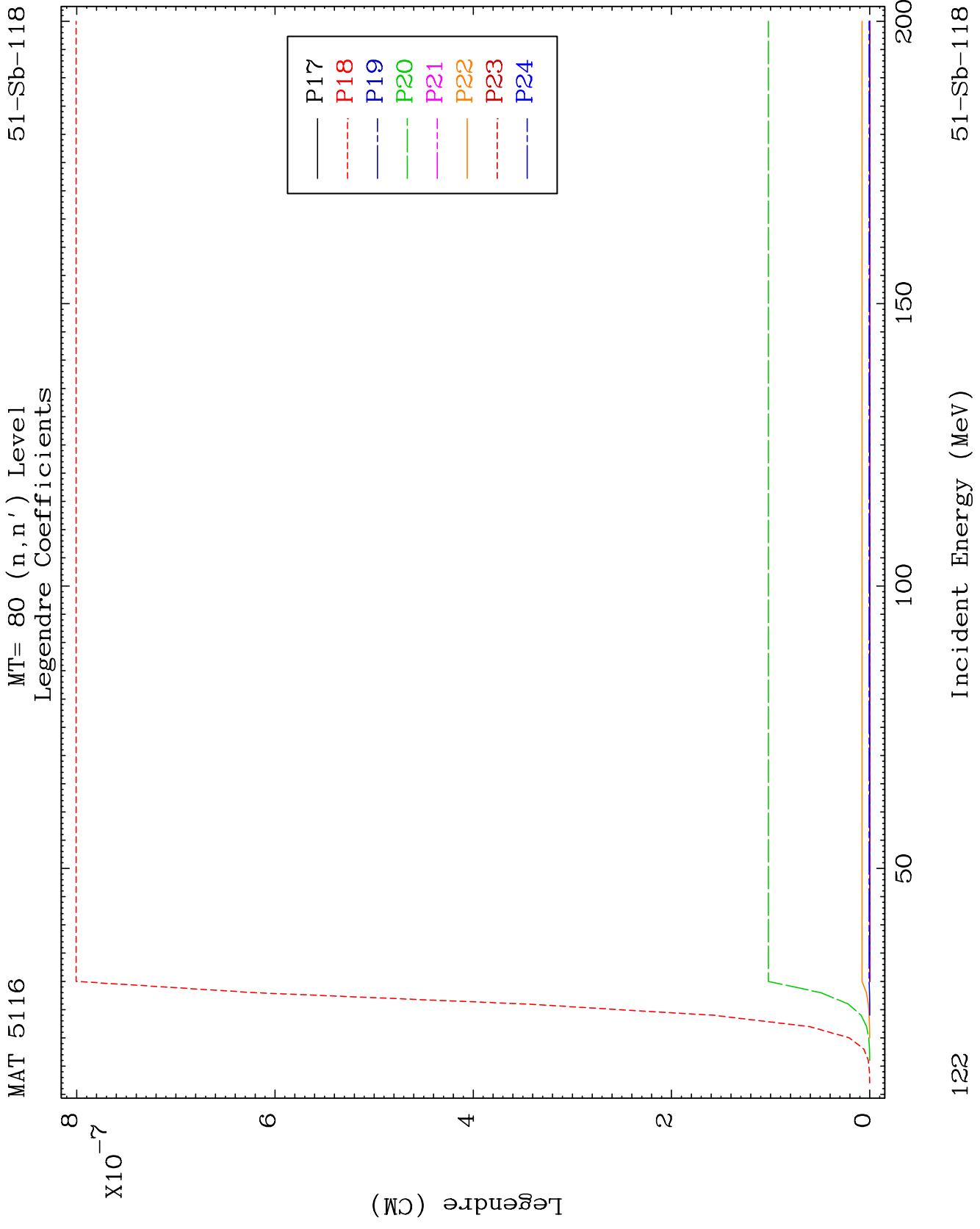
MT= 79 (n,n') Level
Legendre Coefficients

51-Sb-118









51-Sb-118

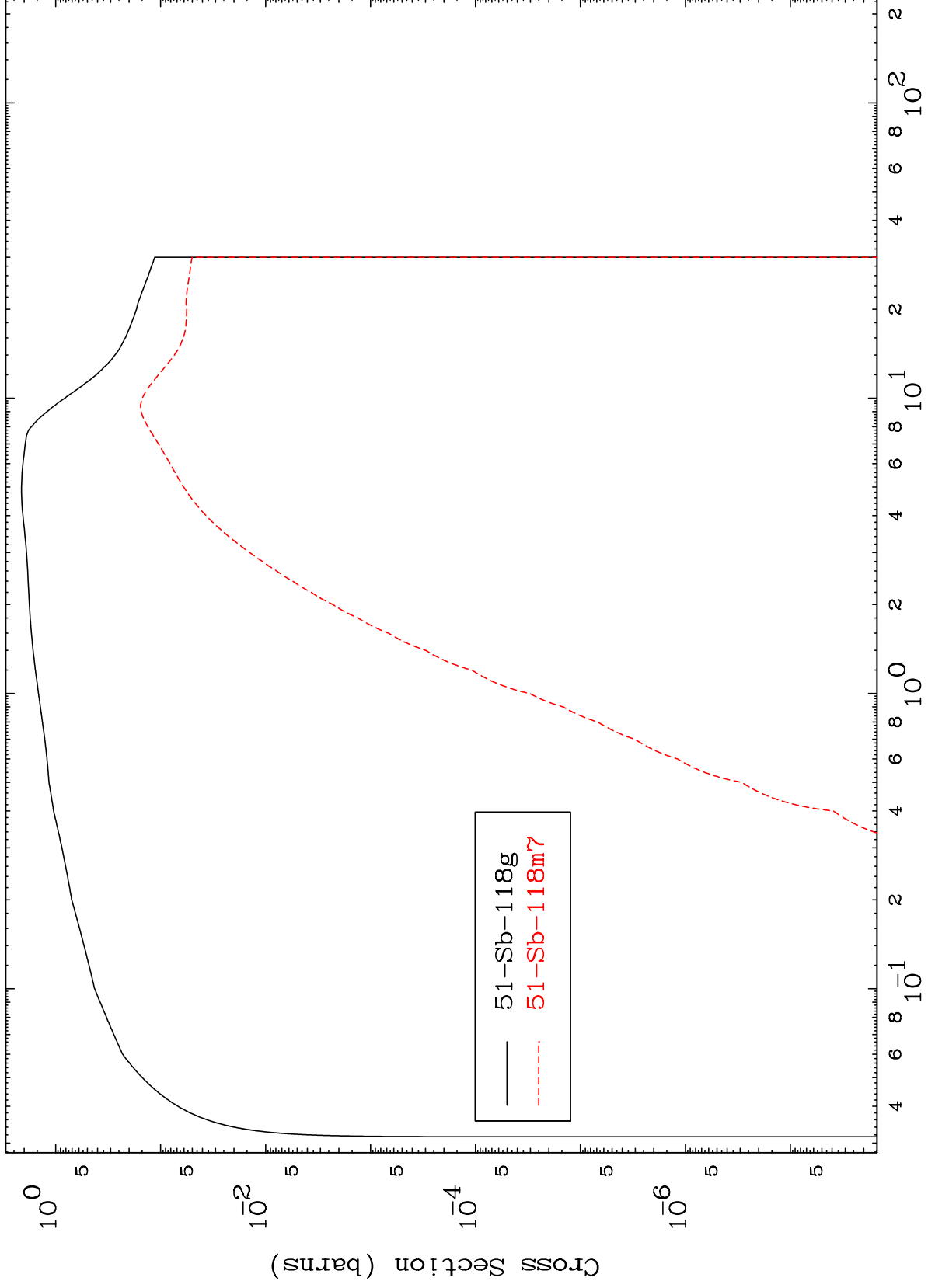
Incident Energy (MeV)

122

MAT 5116

51-Sb-118

Inelastic
Radionuclide Production Cross Section



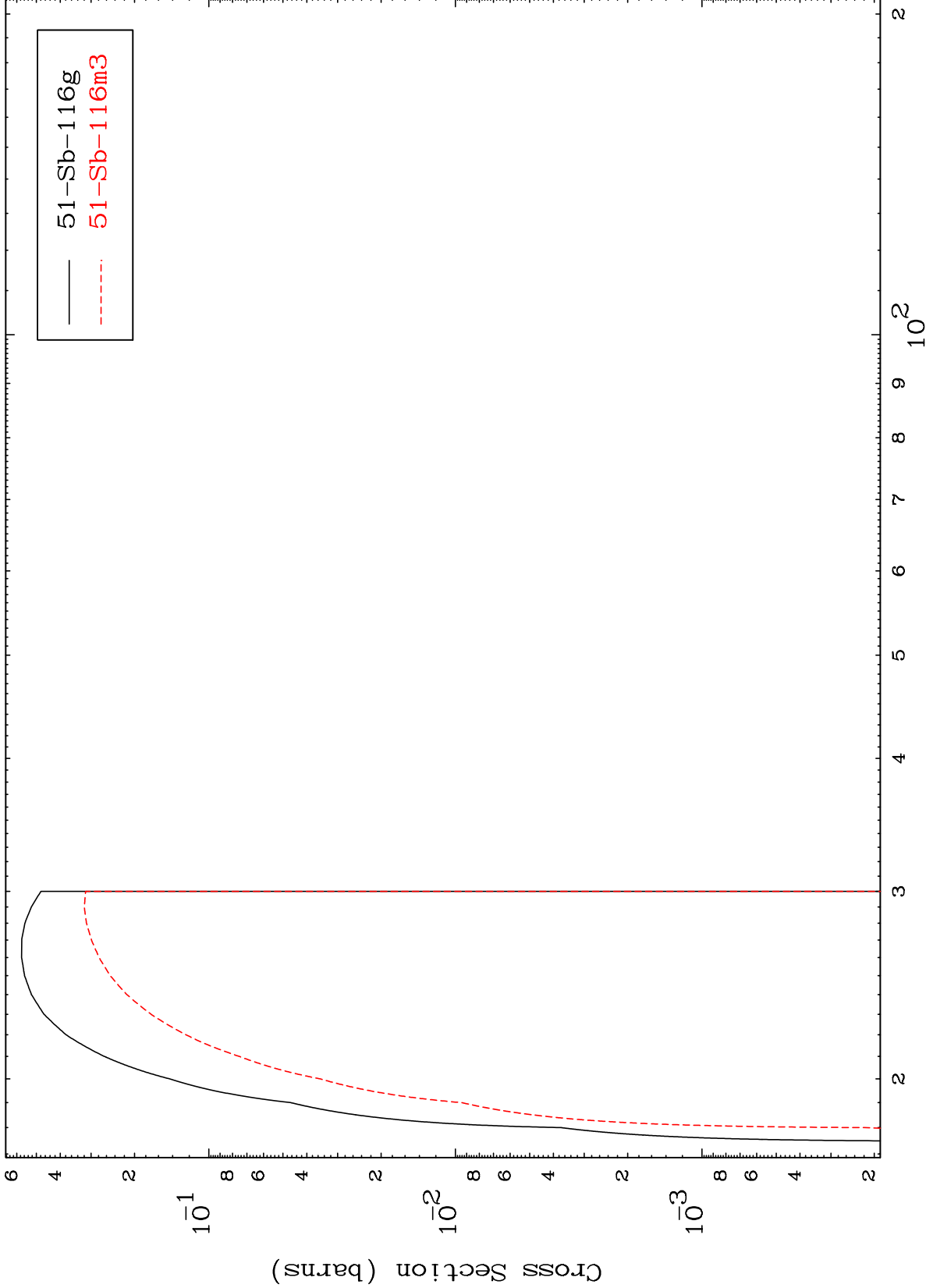
— 51-Sb-118g
- - - 51-Sb-118m7

MAT 5116

(n,3n)

51-Sb-118

Radionuclide Production Cross Section



124

Incident Energy (MeV)

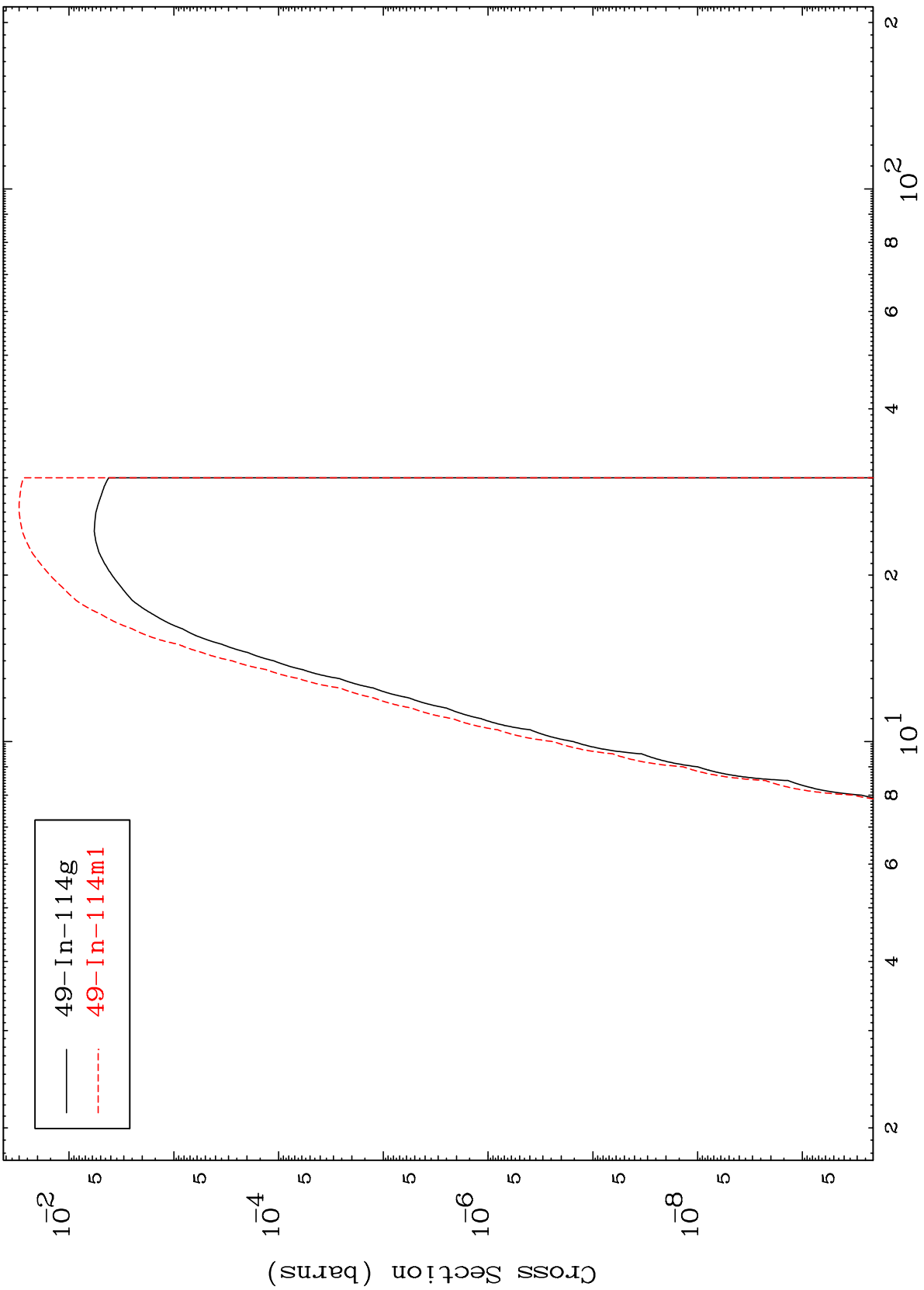
51-Sb-118

MAT 5116

51-Sb-118

(n,n') α

Radionuclide Production Cross Section



125

Incident Energy (MeV)

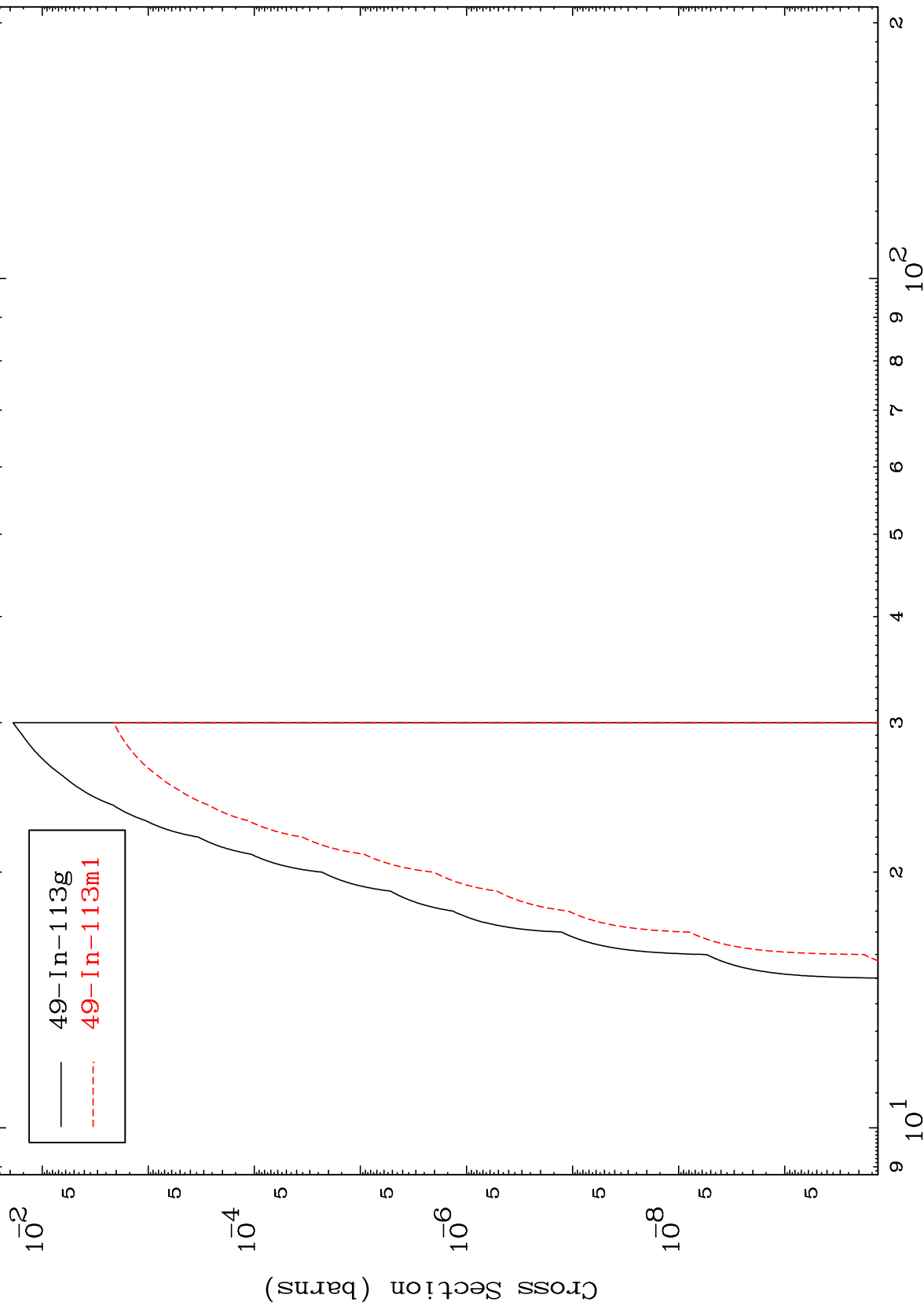
51-Sb-118

MAT 5116

(n,2n) α

51-Sb-118

Radionuclide Production Cross Section



— 49-In-113g
- - - 49-In-113m1

126

Incident Energy (MeV)

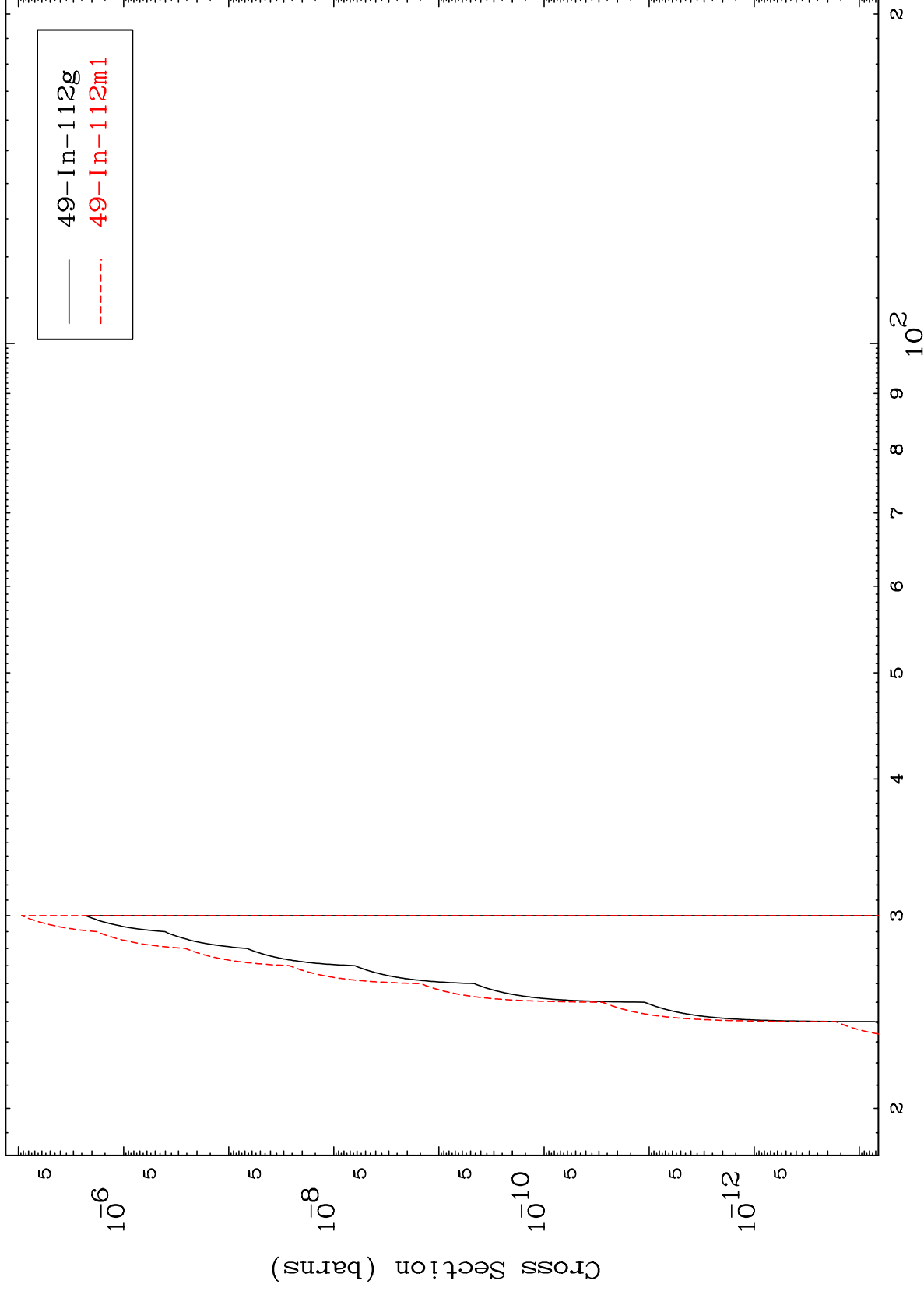
51-Sb-118

MAT 5116

(n,3n) α

51-Sb-118

Radionuclide Production Cross Section



127

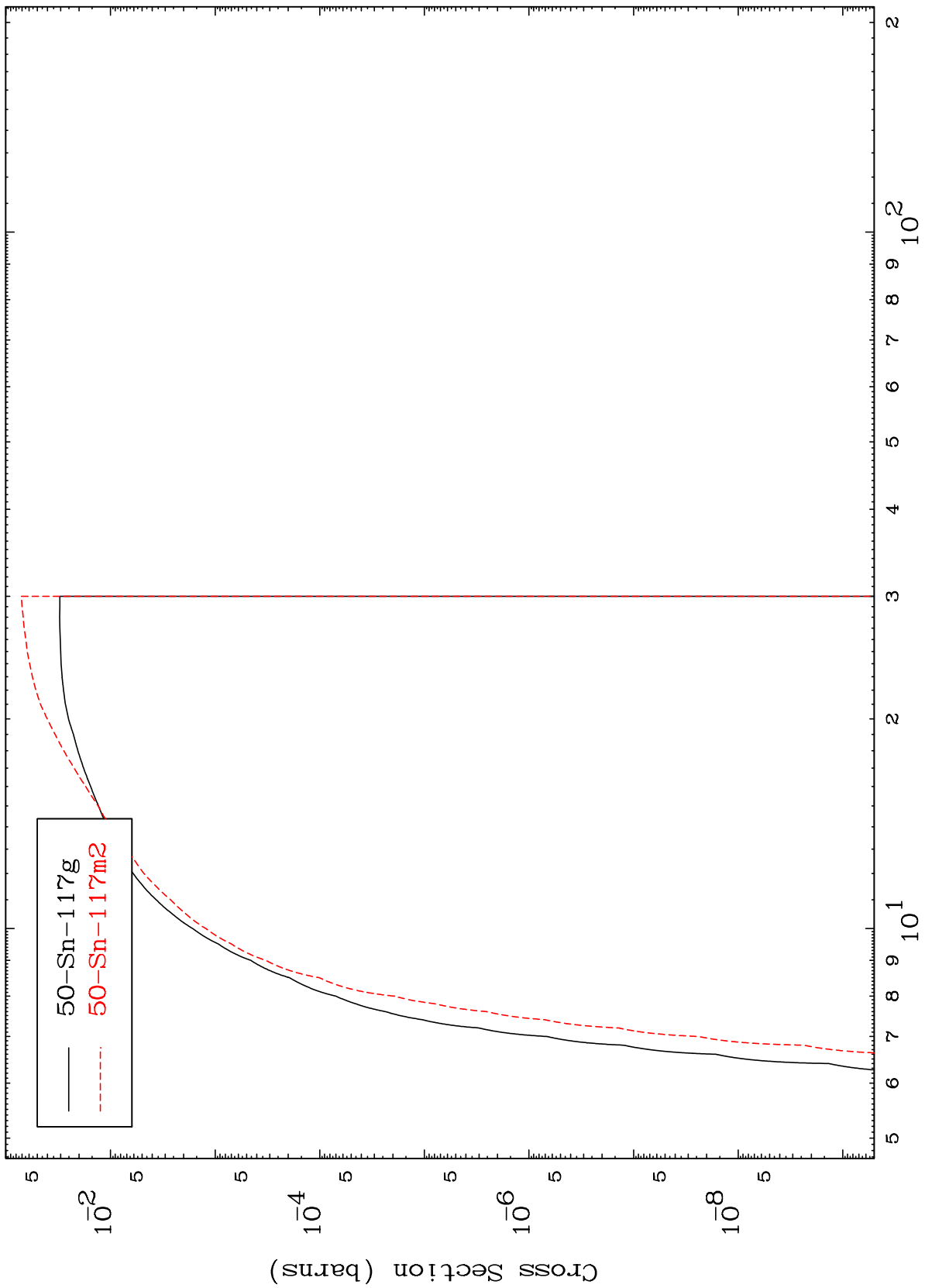
Incident Energy (MeV)

51-Sb-118

MAT 5116

51-Sb-118

(n,n') p
Radionuclide Production Cross Section



128

Incident Energy (MeV)

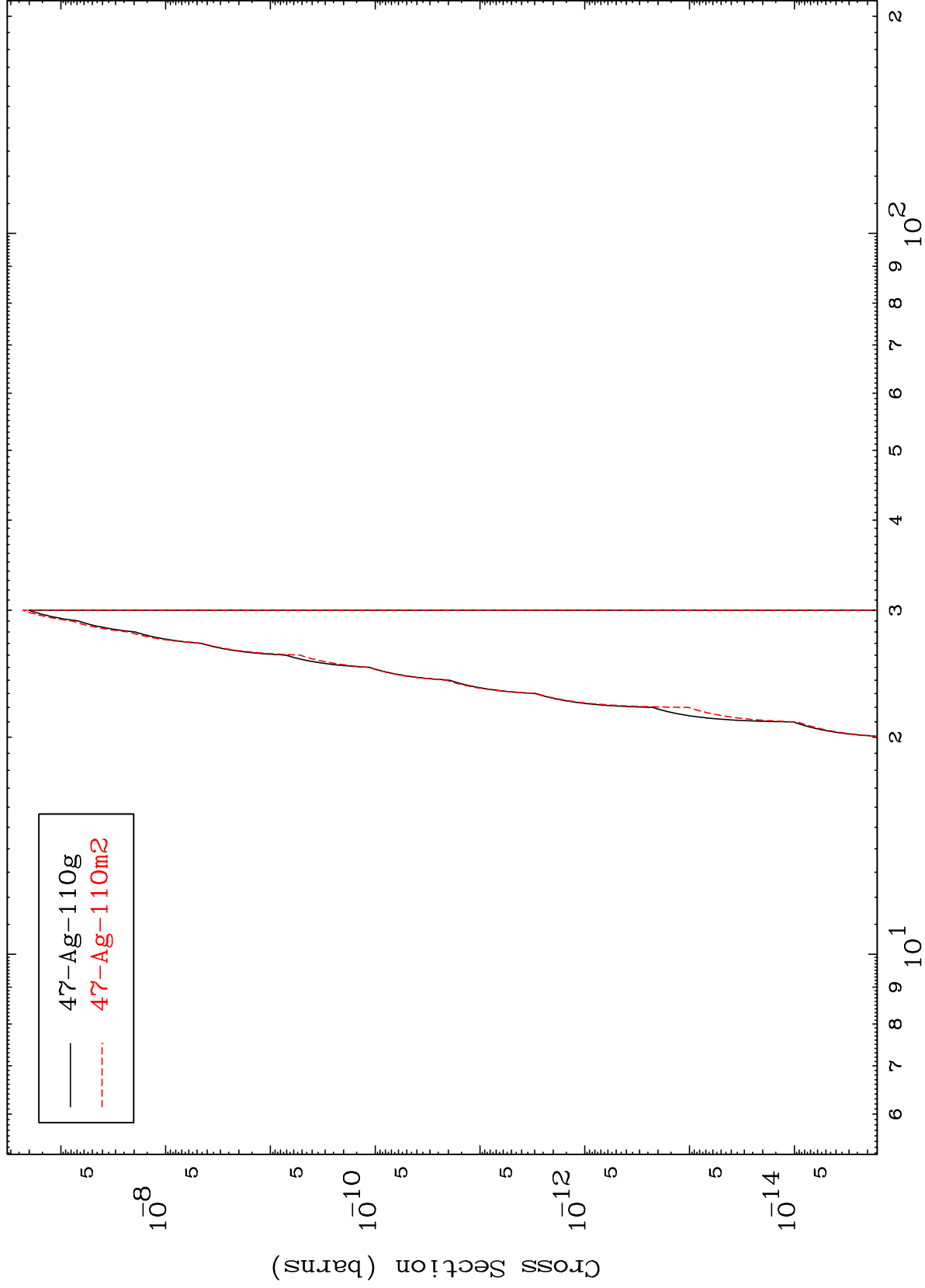
51-Sb-118

MAT 5116

(n,n') 2α

51-Sb-118

Radionuclide Production Cross Section



129

Incident Energy (MeV)

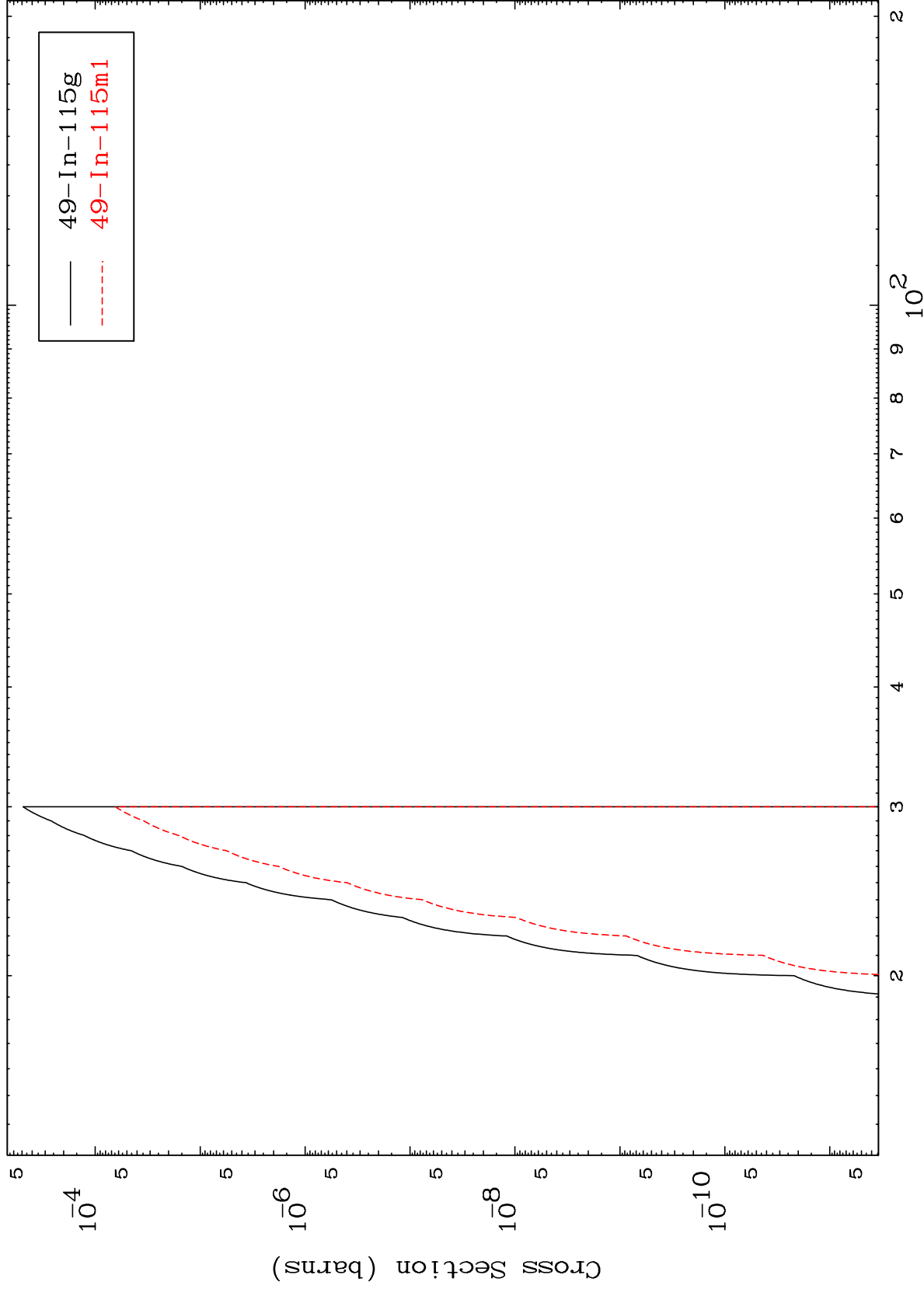
51-Sb-118

MAT 5116

(n,n') He-3

51-Sb-118

Radionuclide Production Cross Section



130

Incident Energy (MeV)

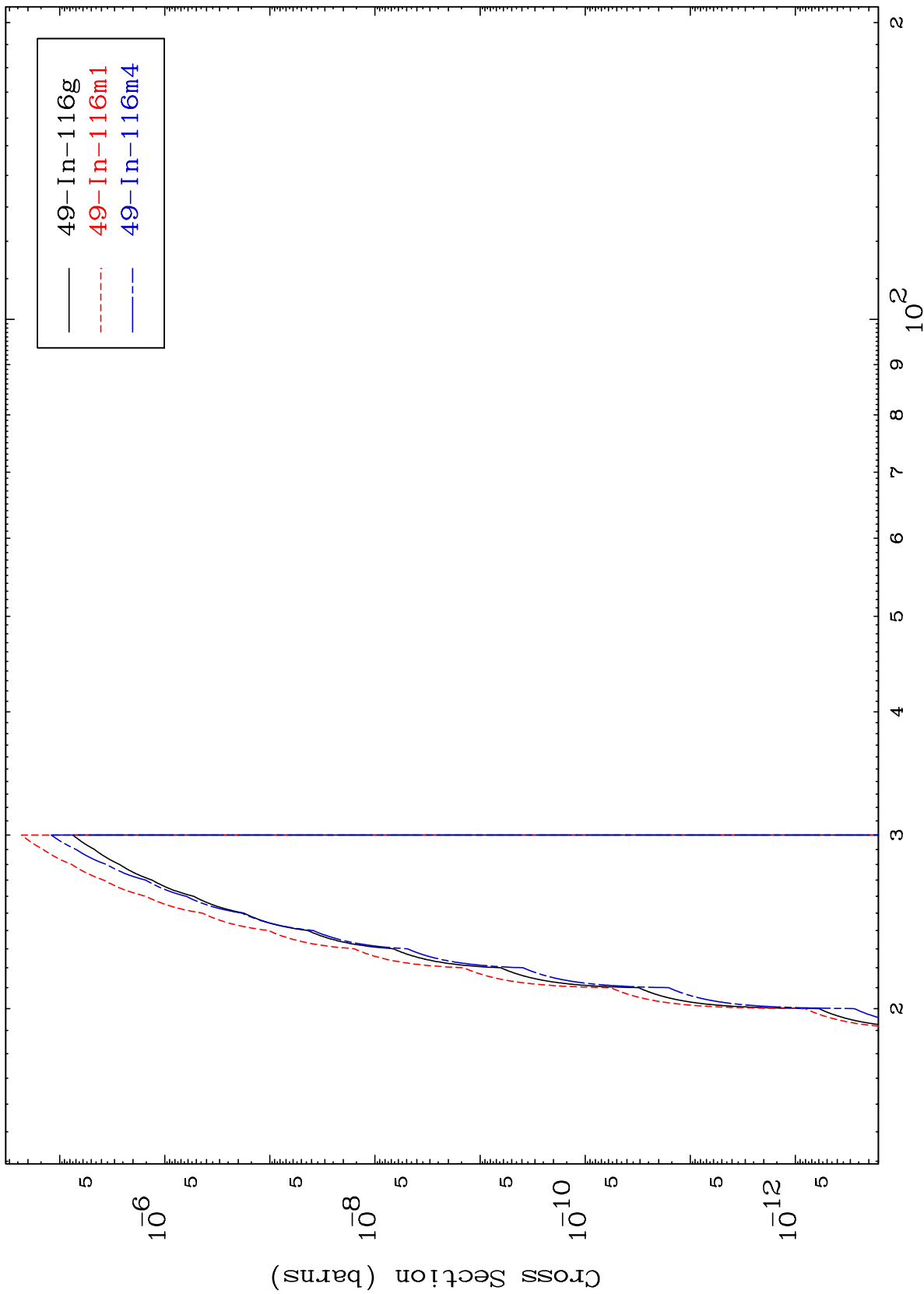
51-Sb-118

MAT 51116

(n,2n) p

51-Sb-118

Radionuclide Production Cross Section



131

Incident Energy (MeV)

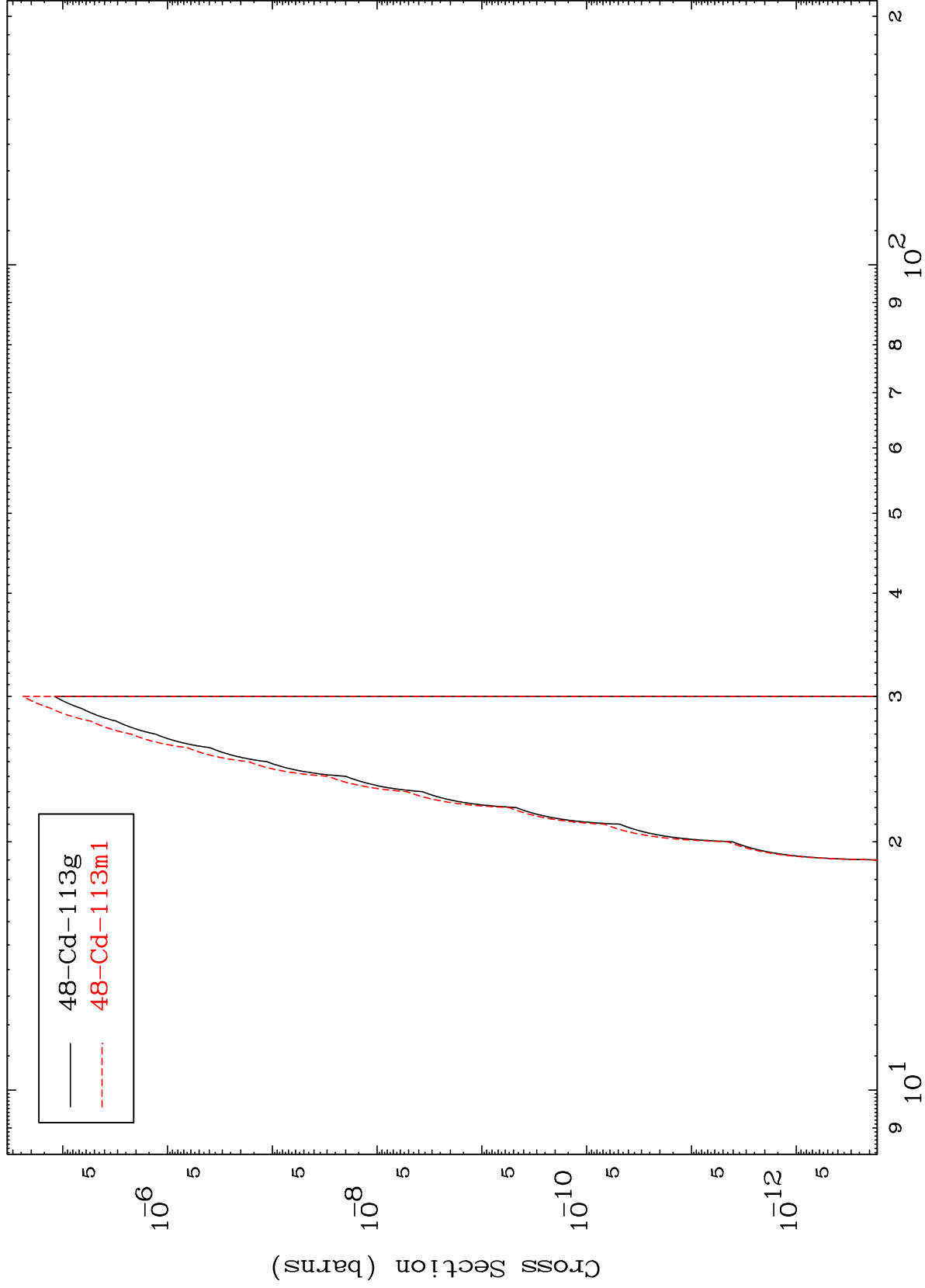
51-Sb-118

MAT 5116

(n,n') p α

51-Sb-118

Radionuclide Production Cross Section



132

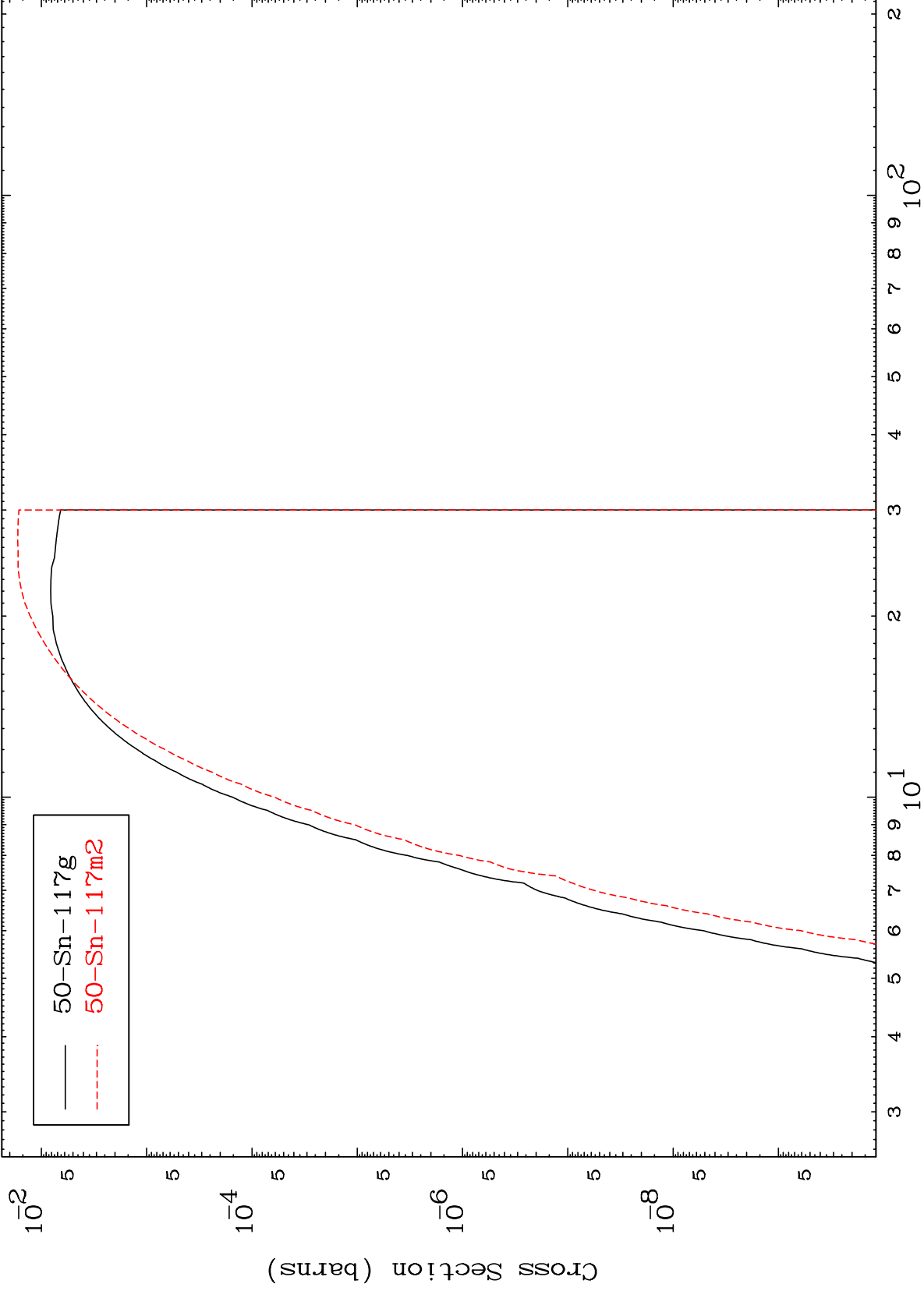
Incident Energy (MeV)

51-Sb-118

MAT 5116

51-Sb-118

(n,d)
Radionuclide Production Cross Section



51-Sb-118

Incident Energy (MeV)

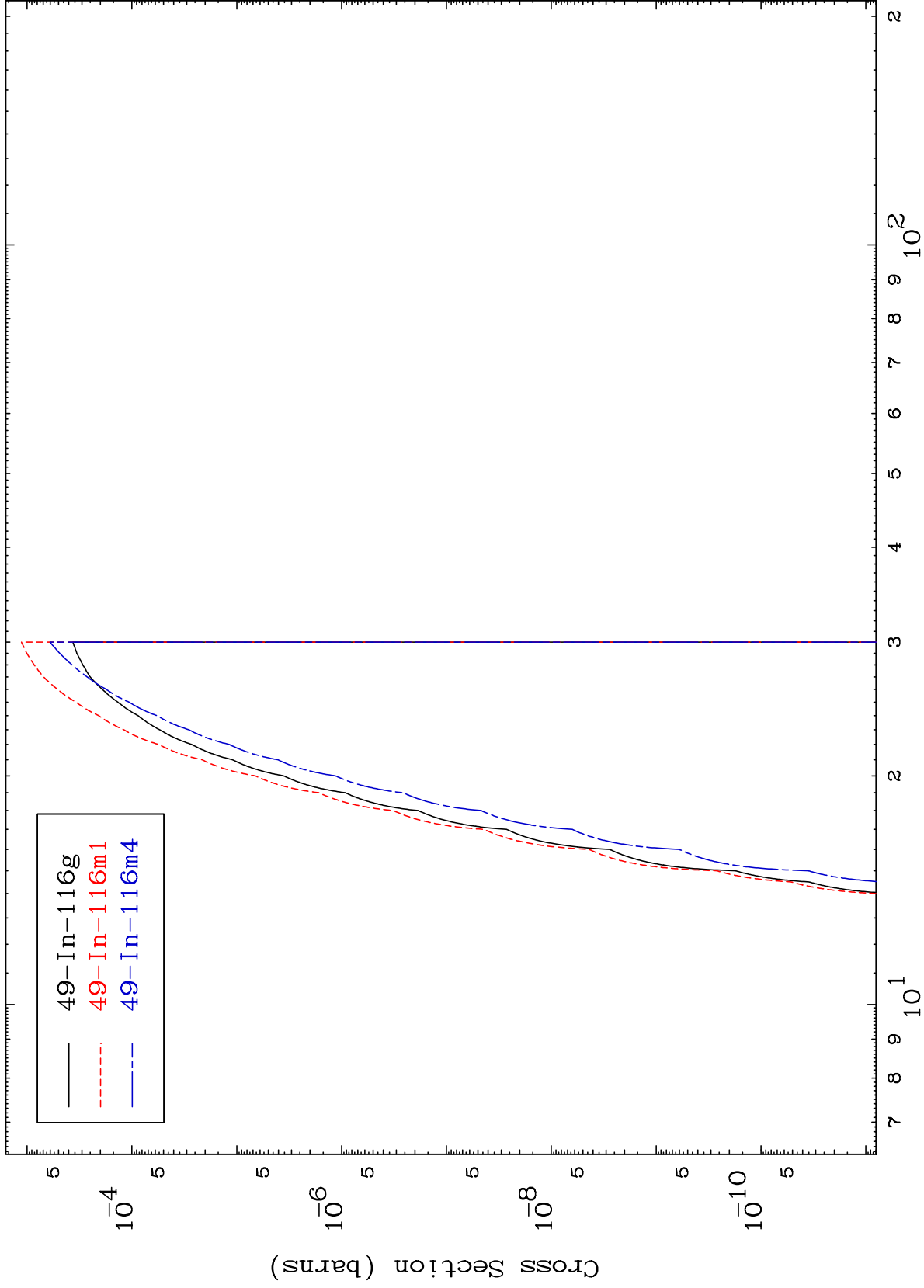
133

MAT 5116

(n,He-3)

51-Sb-118

Radionuclide Production Cross Section



134

Incident Energy (MeV)

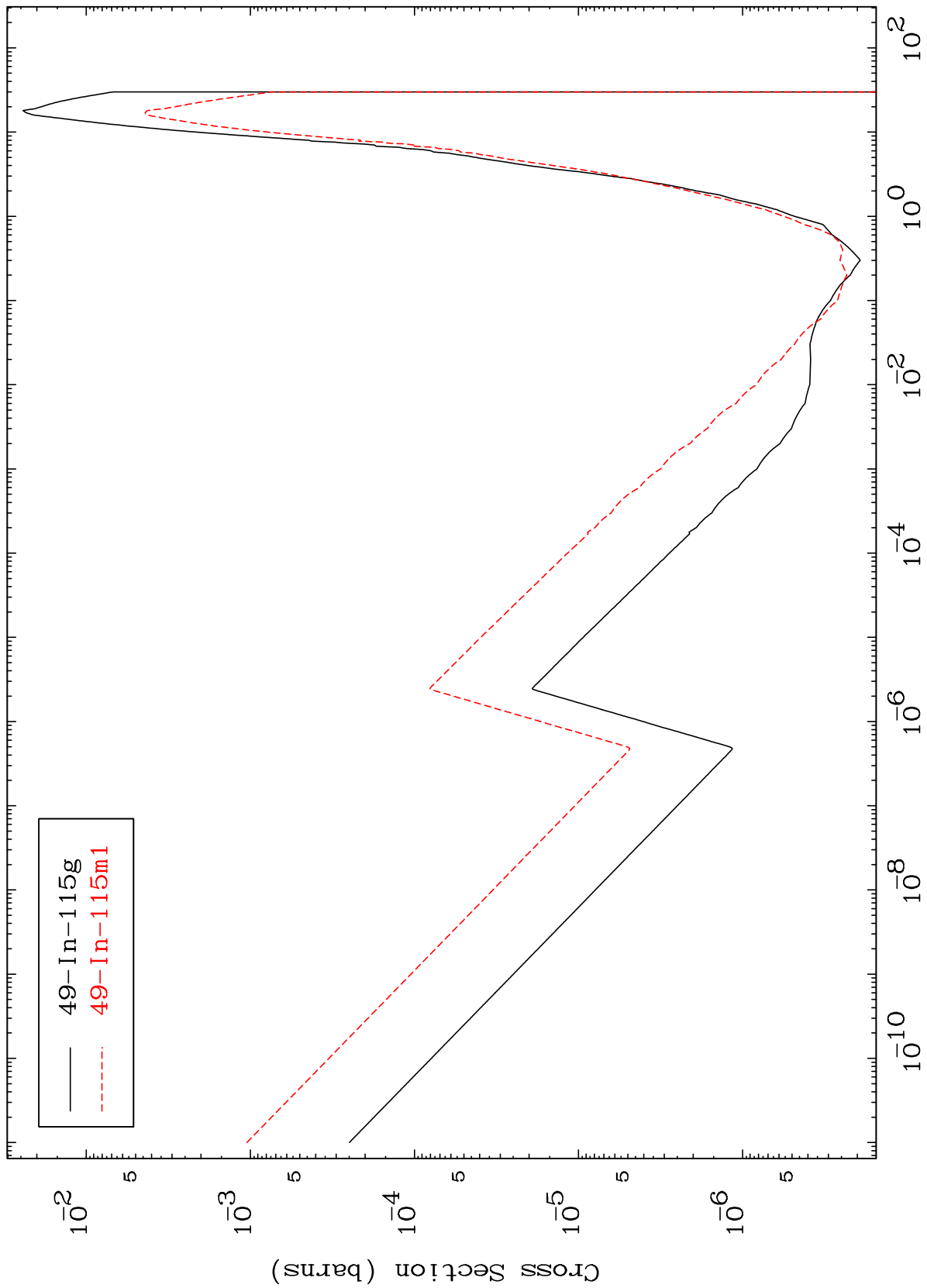
51-Sb-118

MAT 5116

(n, α)

51-Sb-118

Radionuclide Production Cross Section



135

Incident Energy (MeV)

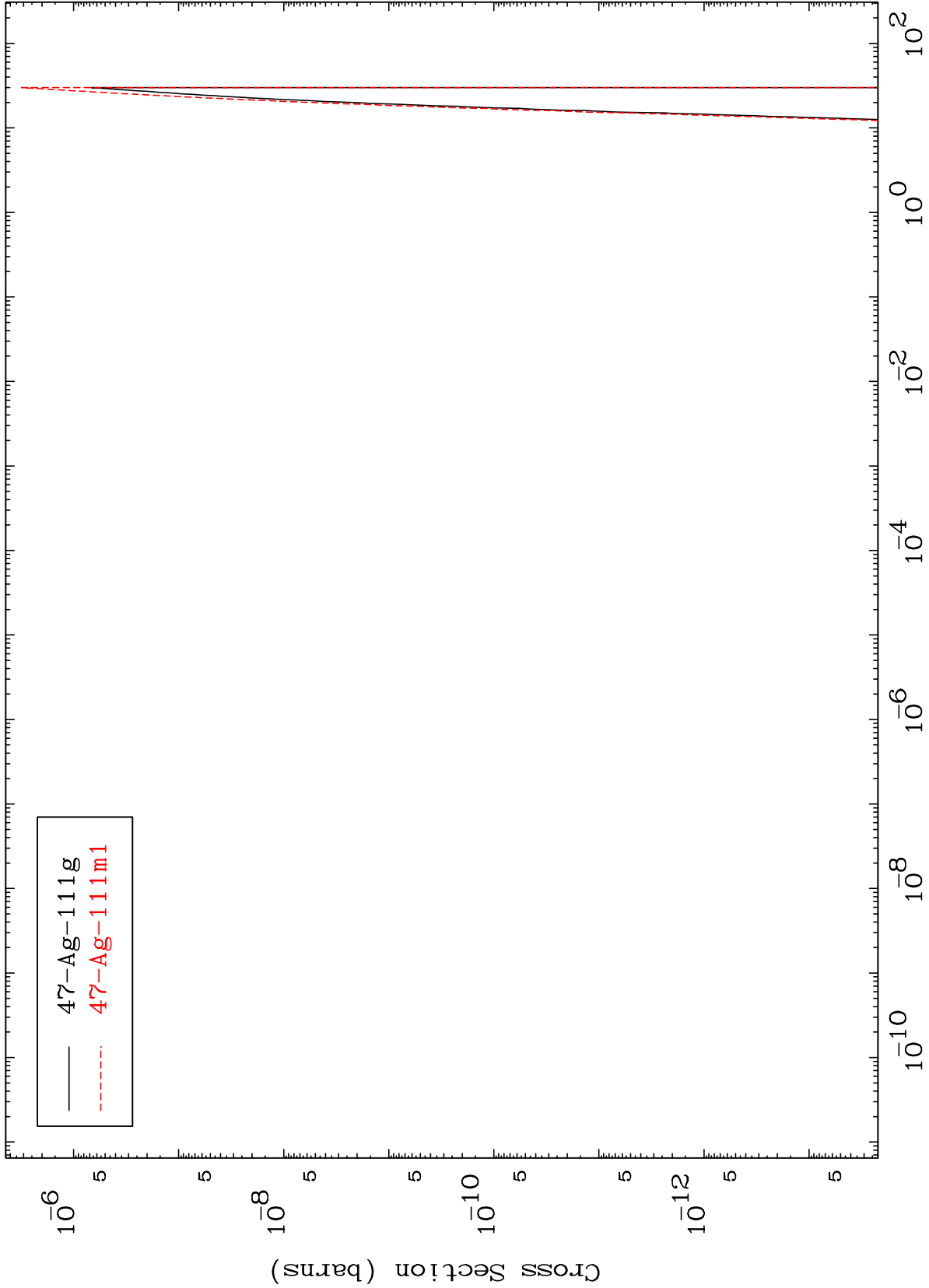
51-Sb-118

MAT 5116

(n,2α)

51-Sb-118

Radionuclide Production Cross Section



136

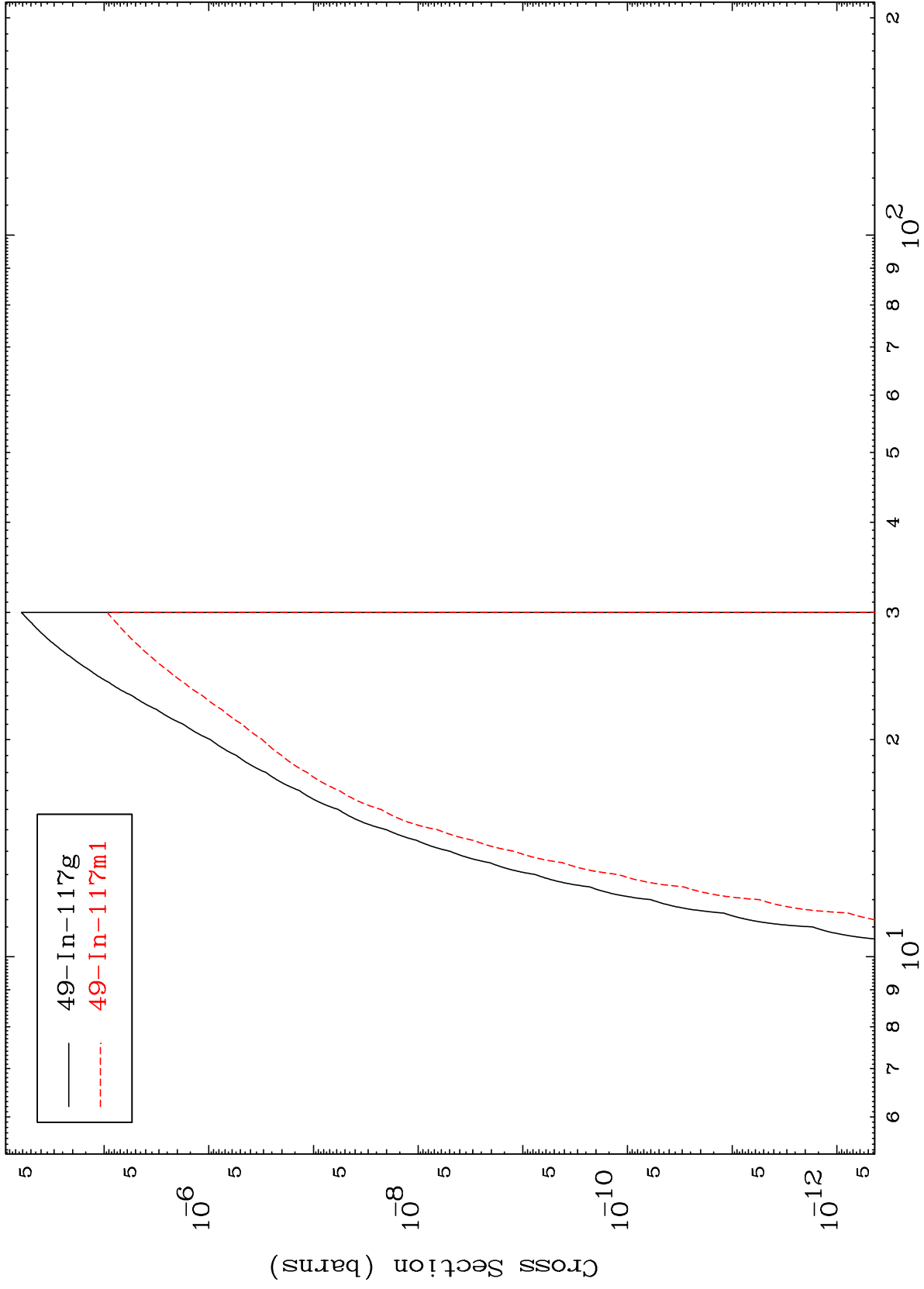
Incident Energy (MeV)

51-Sb-118

MAT 5116

51-Sb-118

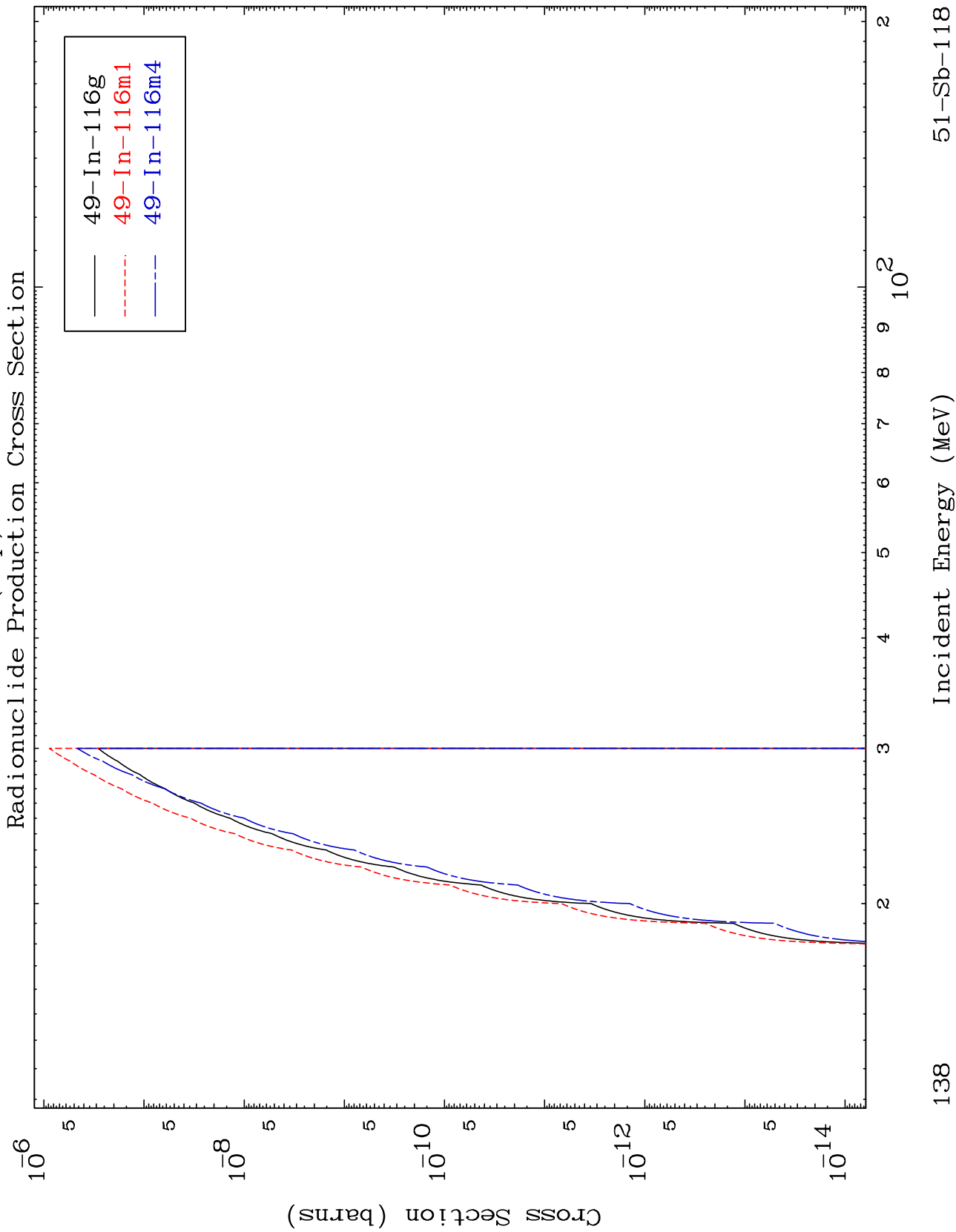
(n,2p)
Radionuclide Production Cross Section



137

Incident Energy (MeV)

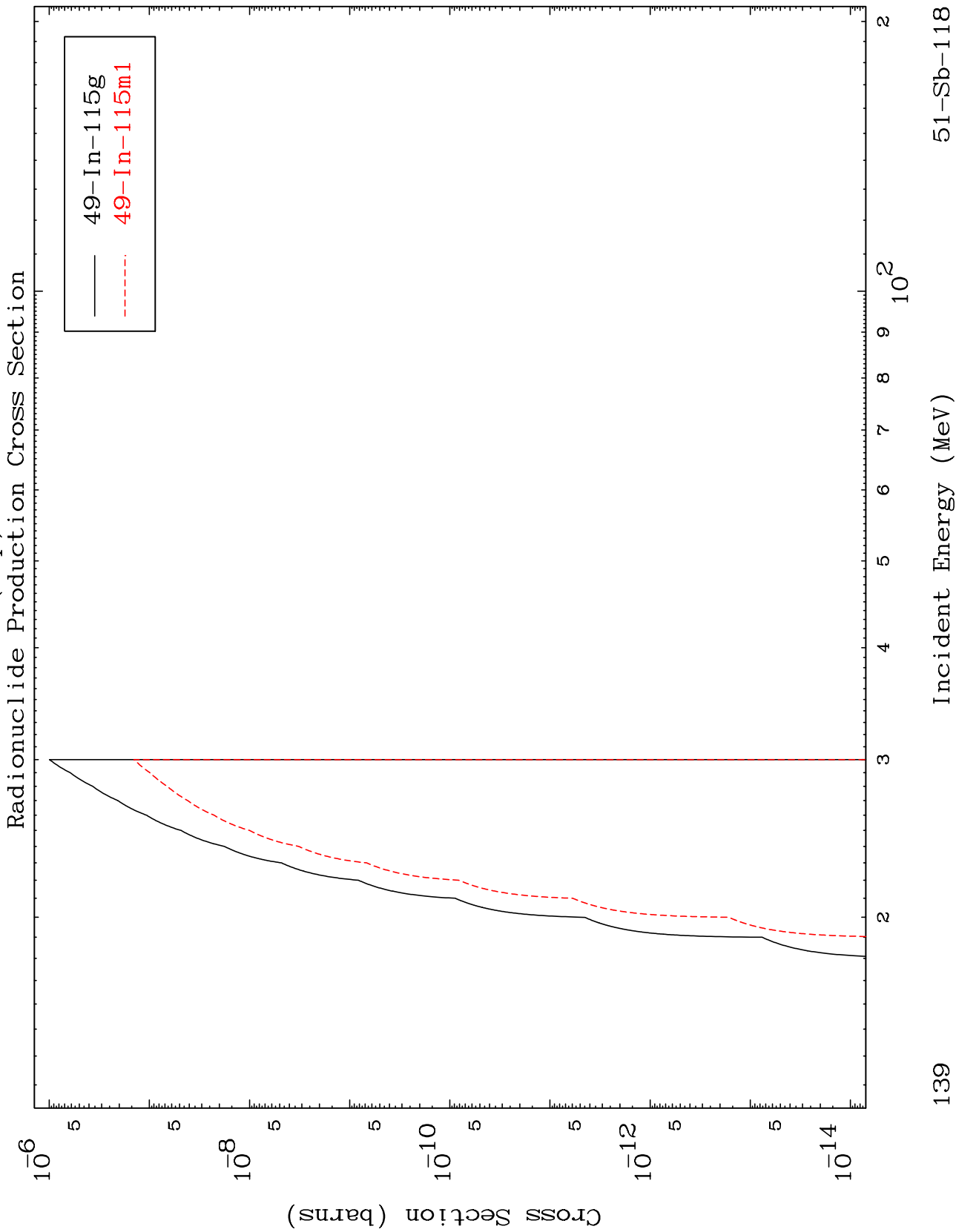
51-Sb-118



MAT 5116

(n,p) t

51-Sb-118



139

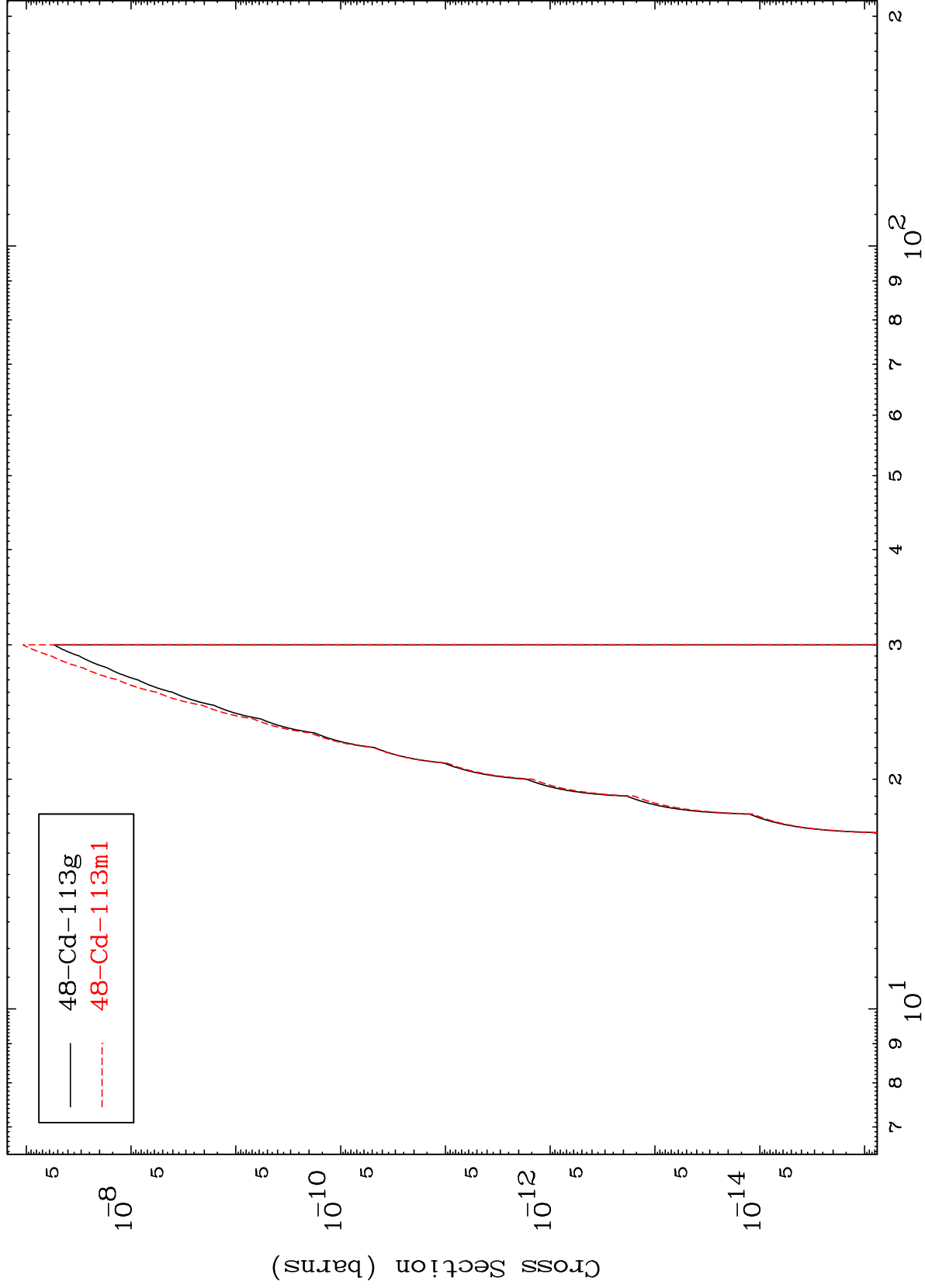
51-Sb-118

MAT 5116

(n,d) α

51-Sb-118

Radionuclide Production Cross Section



140

Incident Energy (MeV)

51-Sb-118