

Program EVALPLOT  
(Version 2018-1)

by

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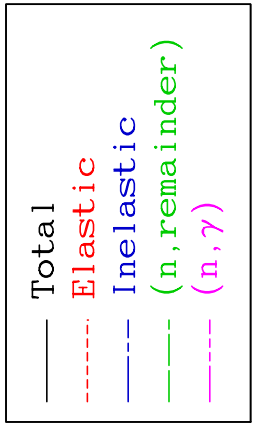
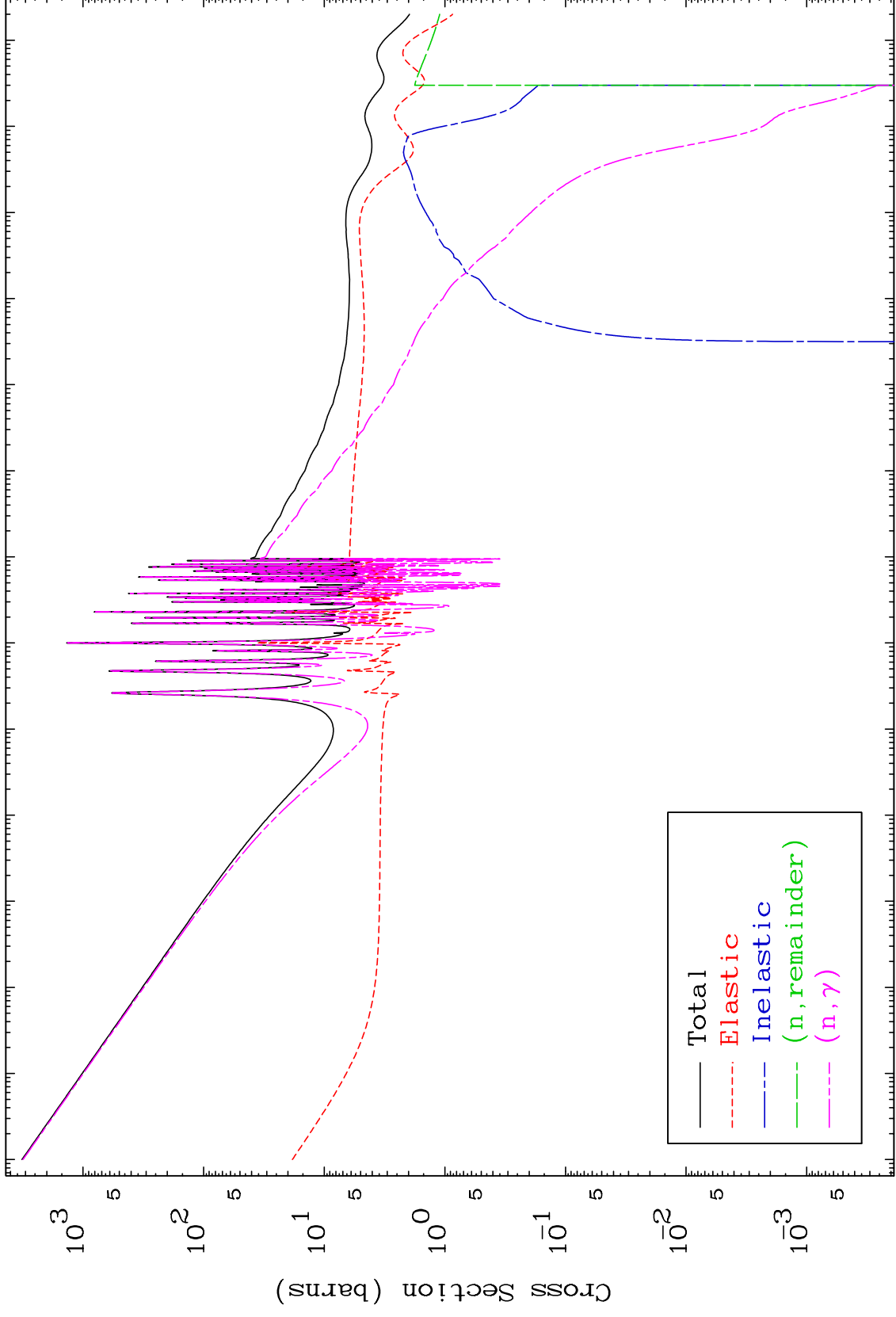
Press Mouse Button to Start

MAT 5116

Major

293 Kelvin Cross Sections

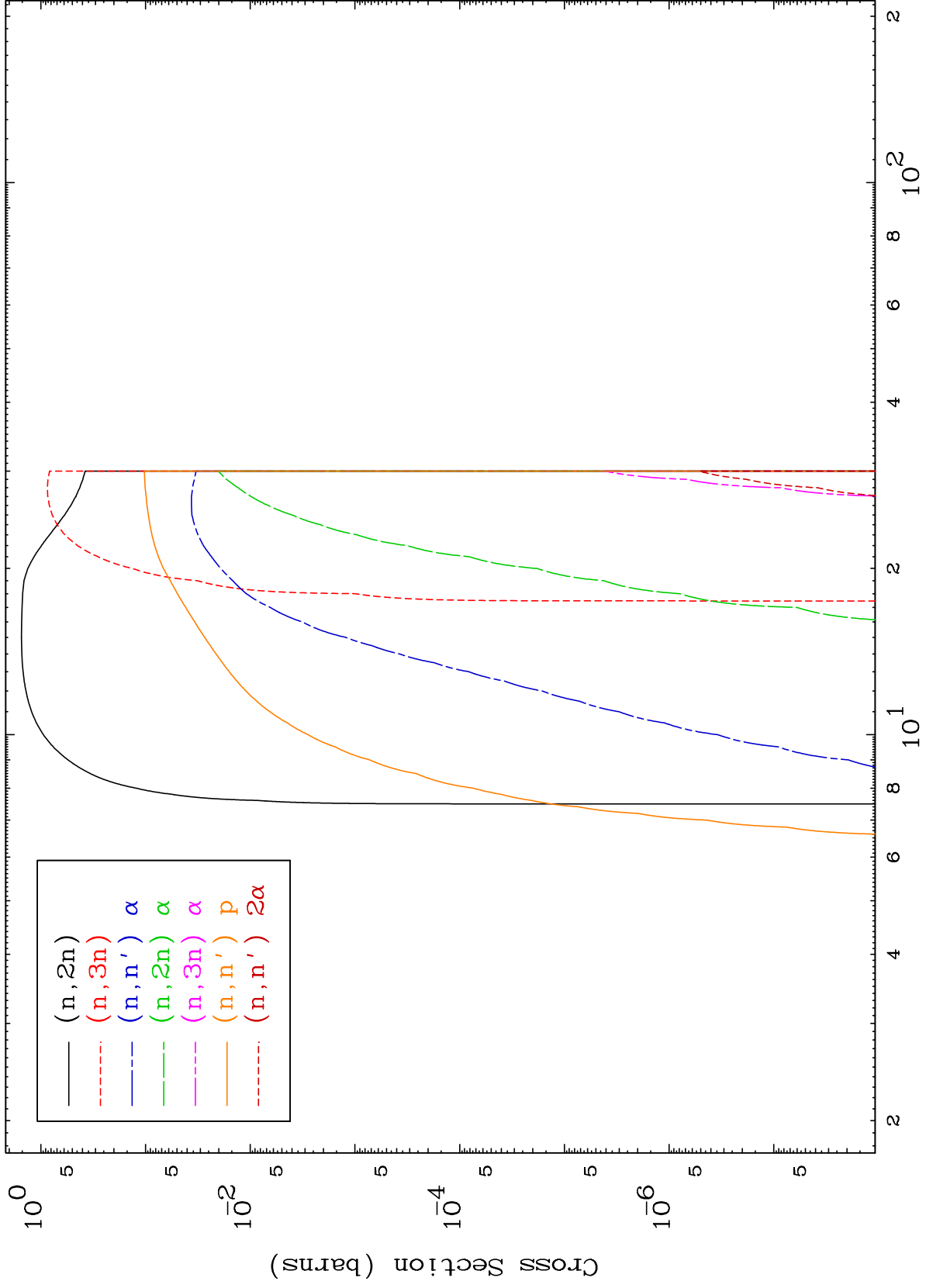
51-Sb-118



MAT 5116

Neutron Production  
293 Kelvin Cross Sections

51-Sb-118



51-Sb-118

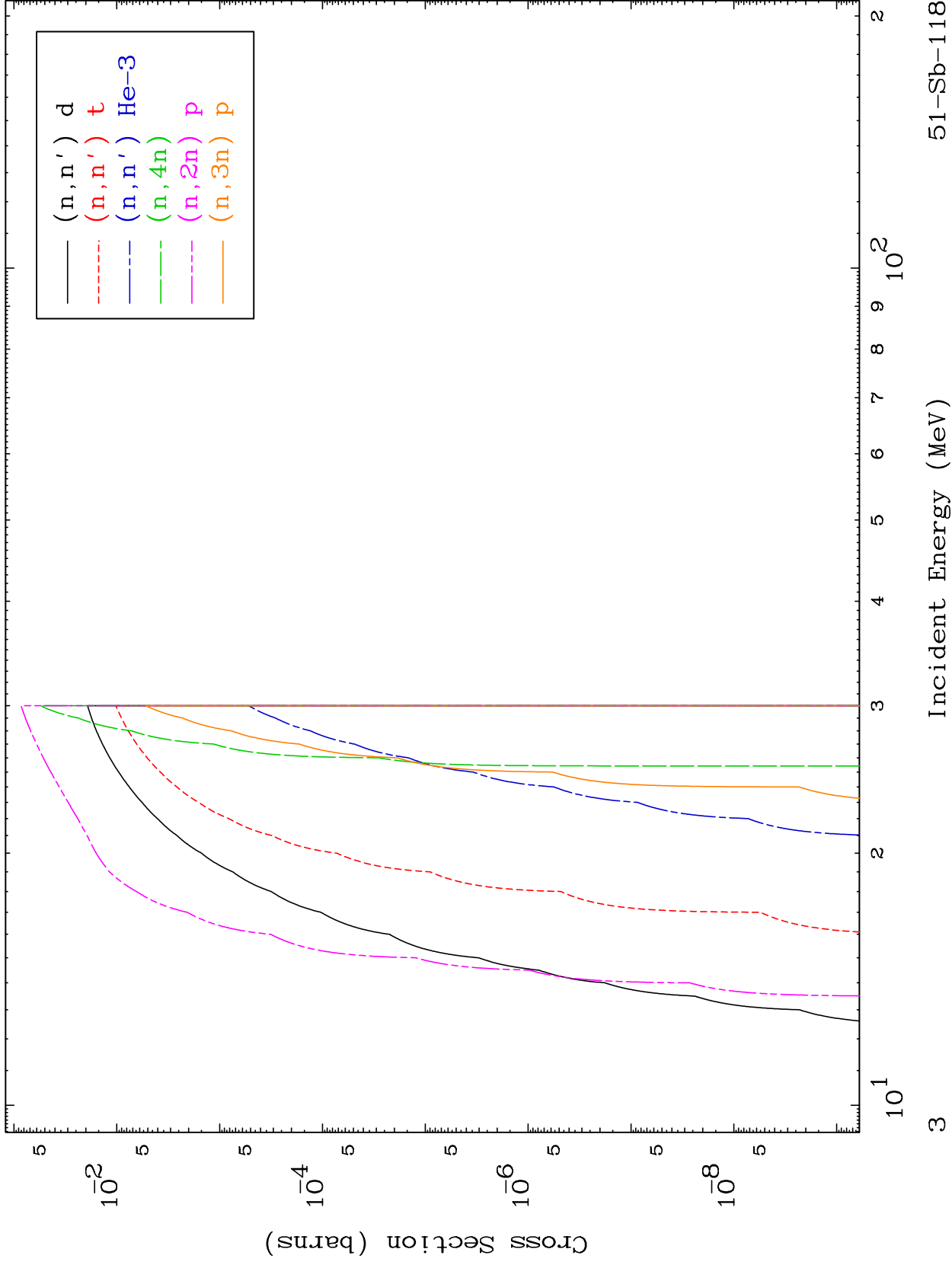
Incident Energy (MeV)

2

MAT 51116

Neutron Production  
293 Kelvin Cross Sections

51-Sb-118

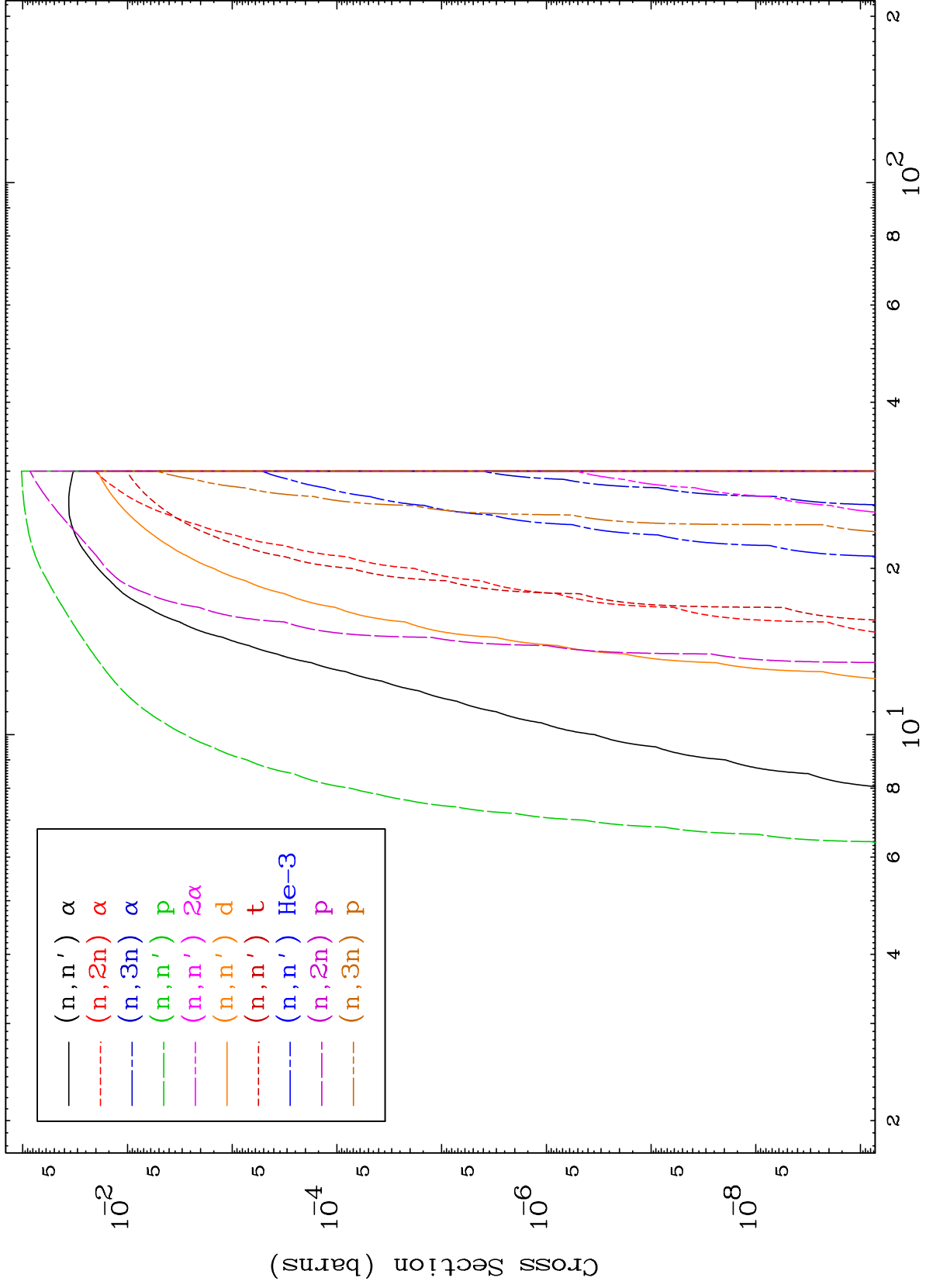


51-Sb-118

MAT 5116

Charged Particle  
293 Kelvin Cross Sections

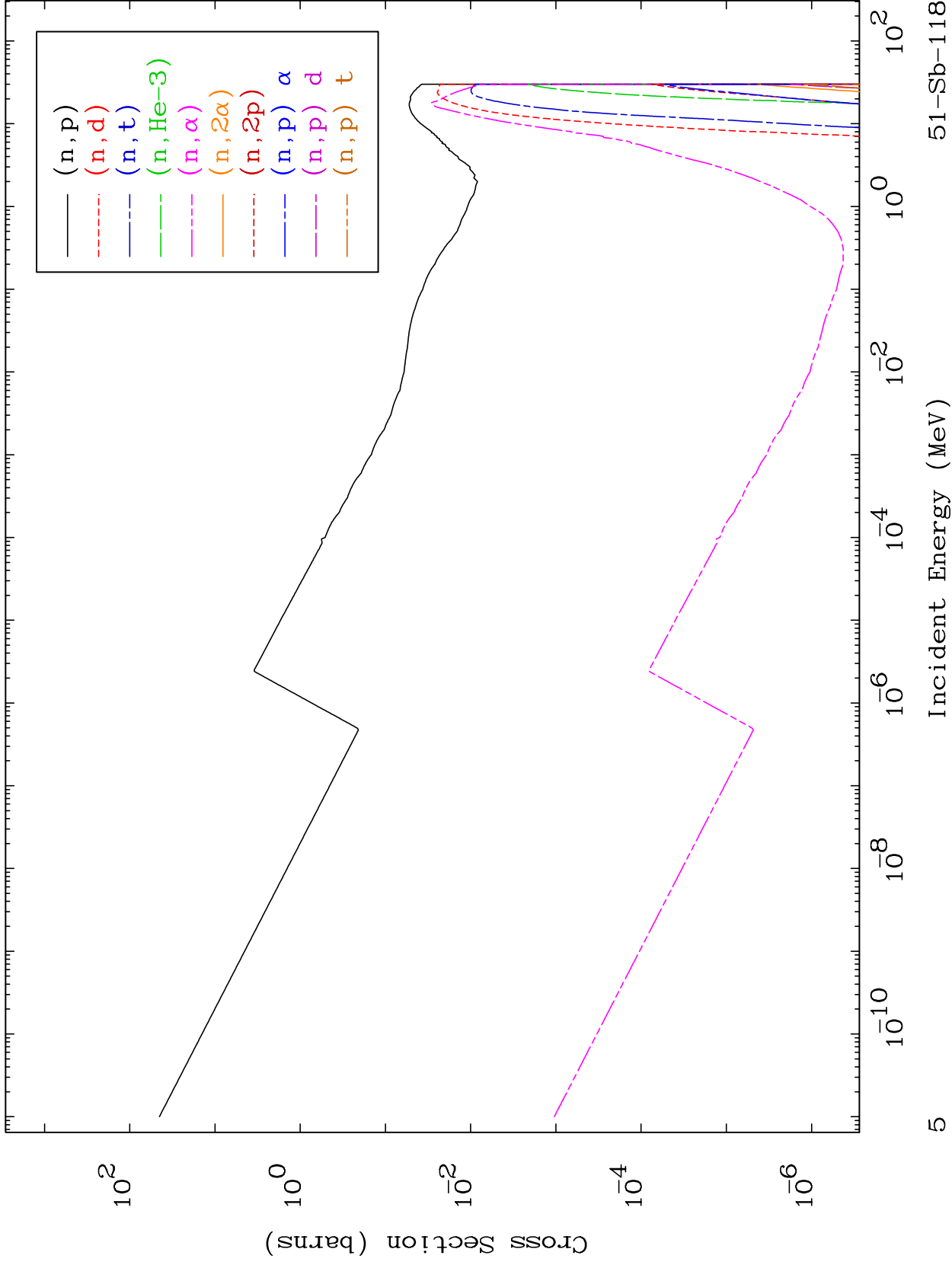
51-Sb-118



4

Incident Energy (MeV)

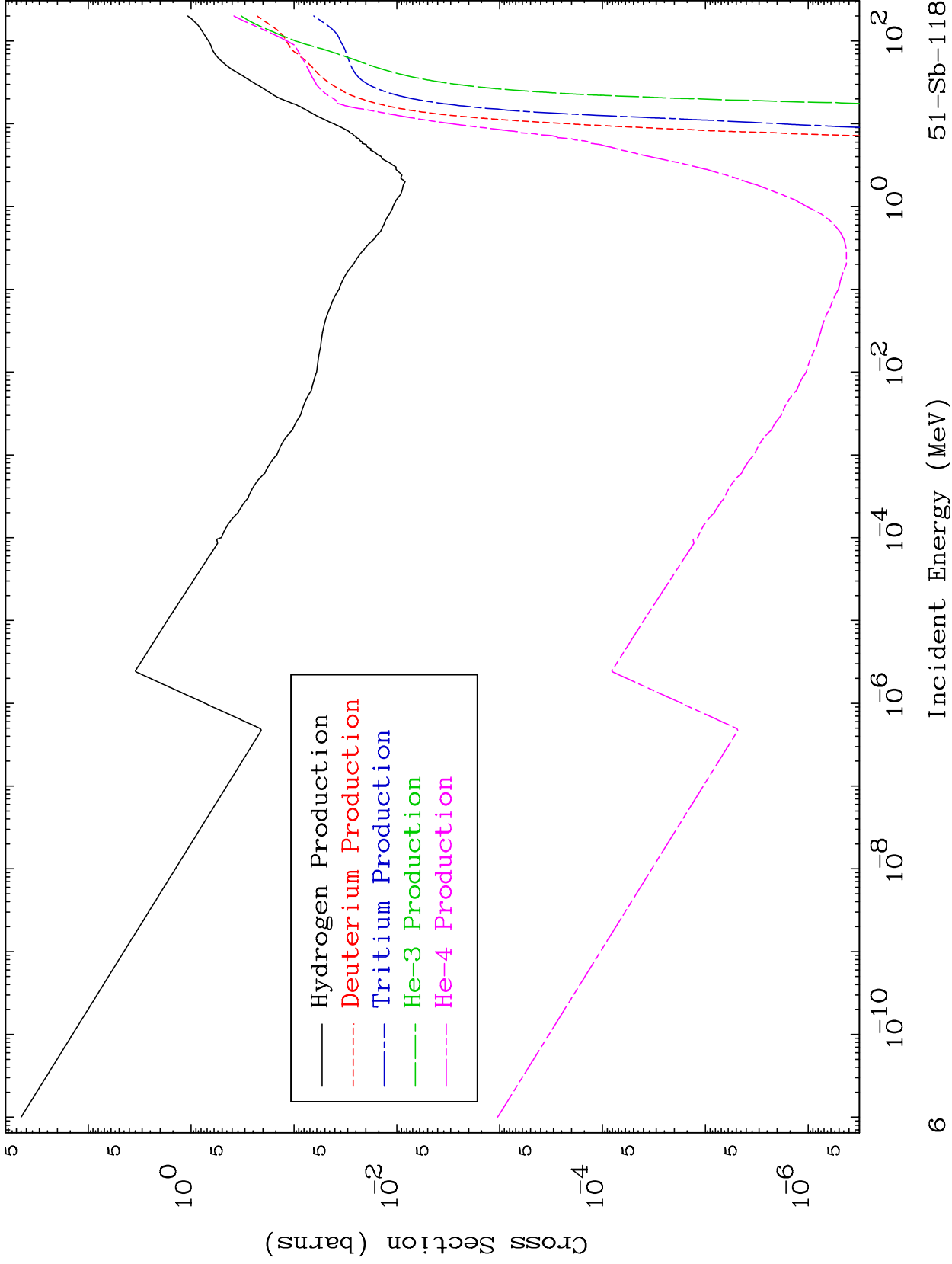
51-Sb-118



MAT 5116

Particle Production  
293 Kelvin Cross Sections

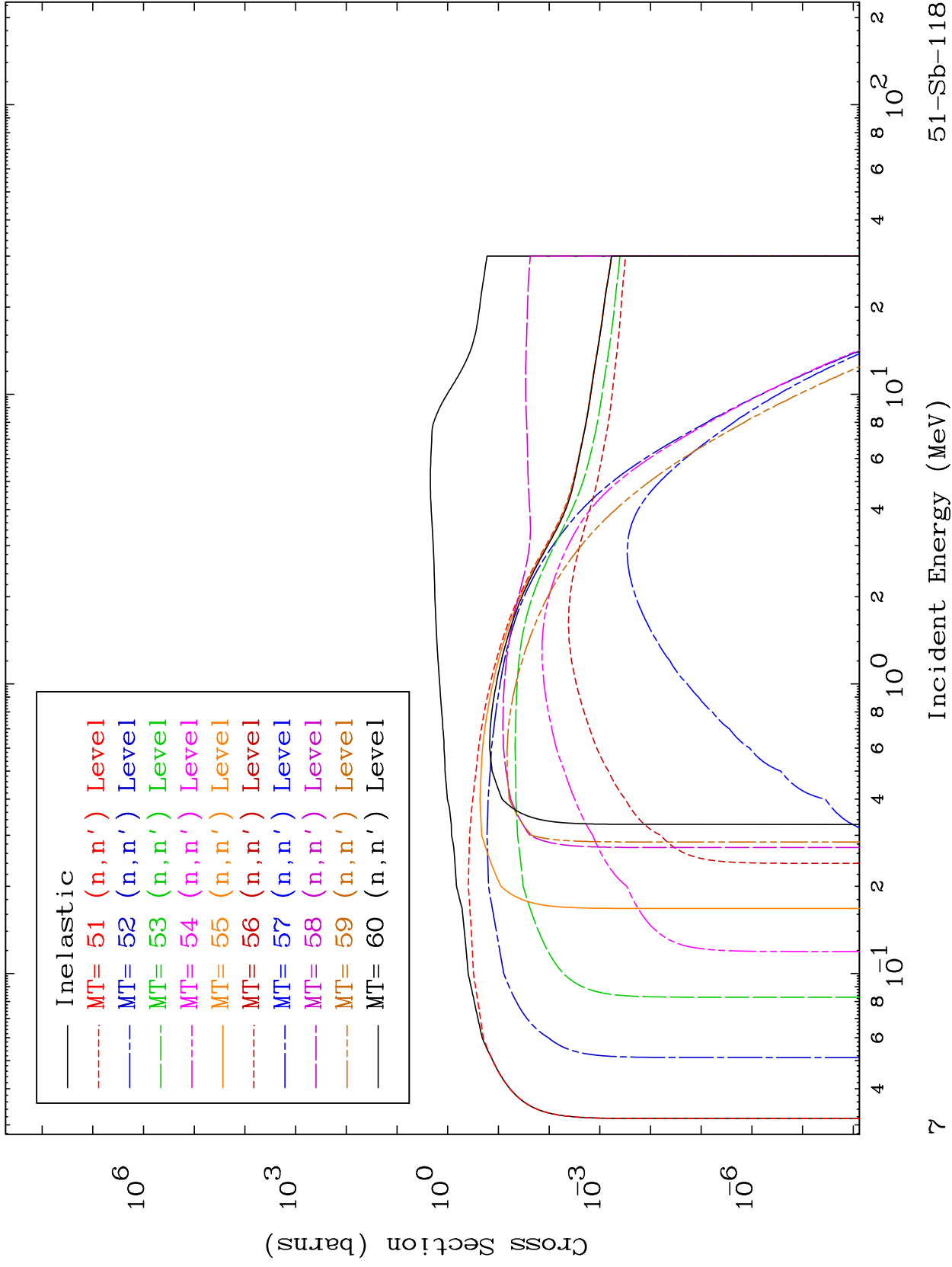
51-Sb-118



MAT 5116

(n,n') Level  
293 Kelvin Cross Sections

51-Sb-118

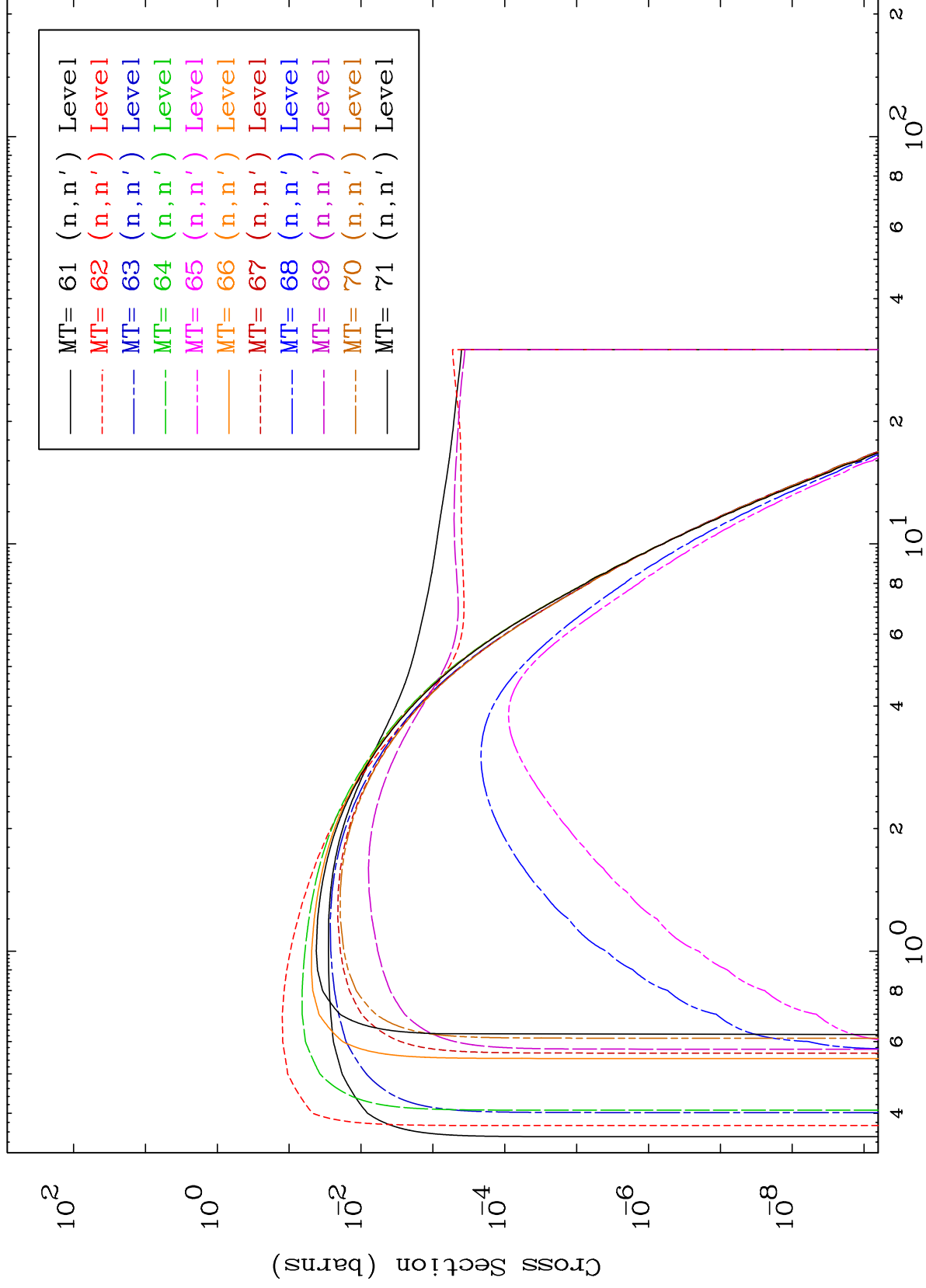


MAT 5116

(n,n') Level

293 Kelvin Cross Sections

51-Sb-118

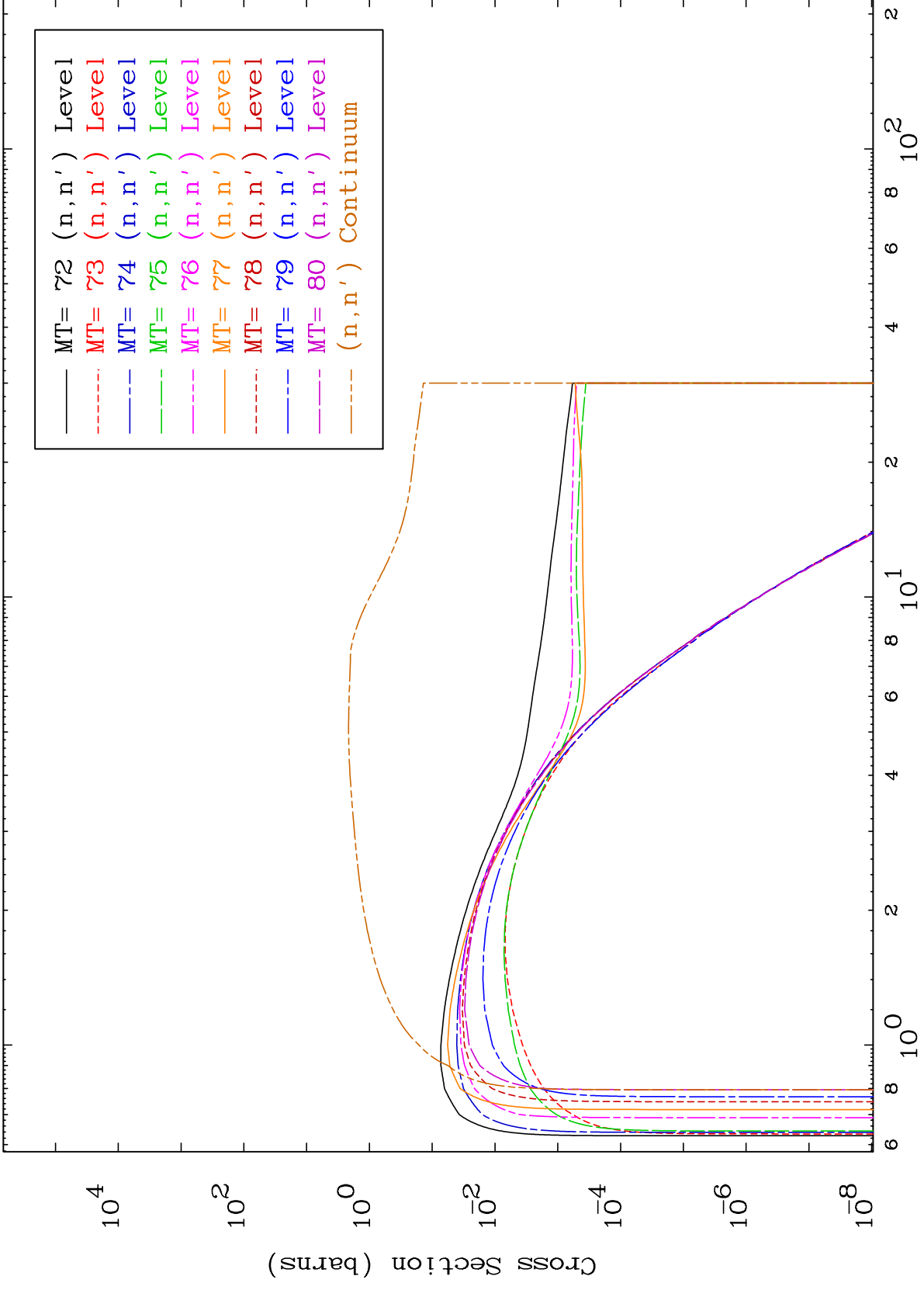


8

Incident Energy (MeV)

51-Sb-118

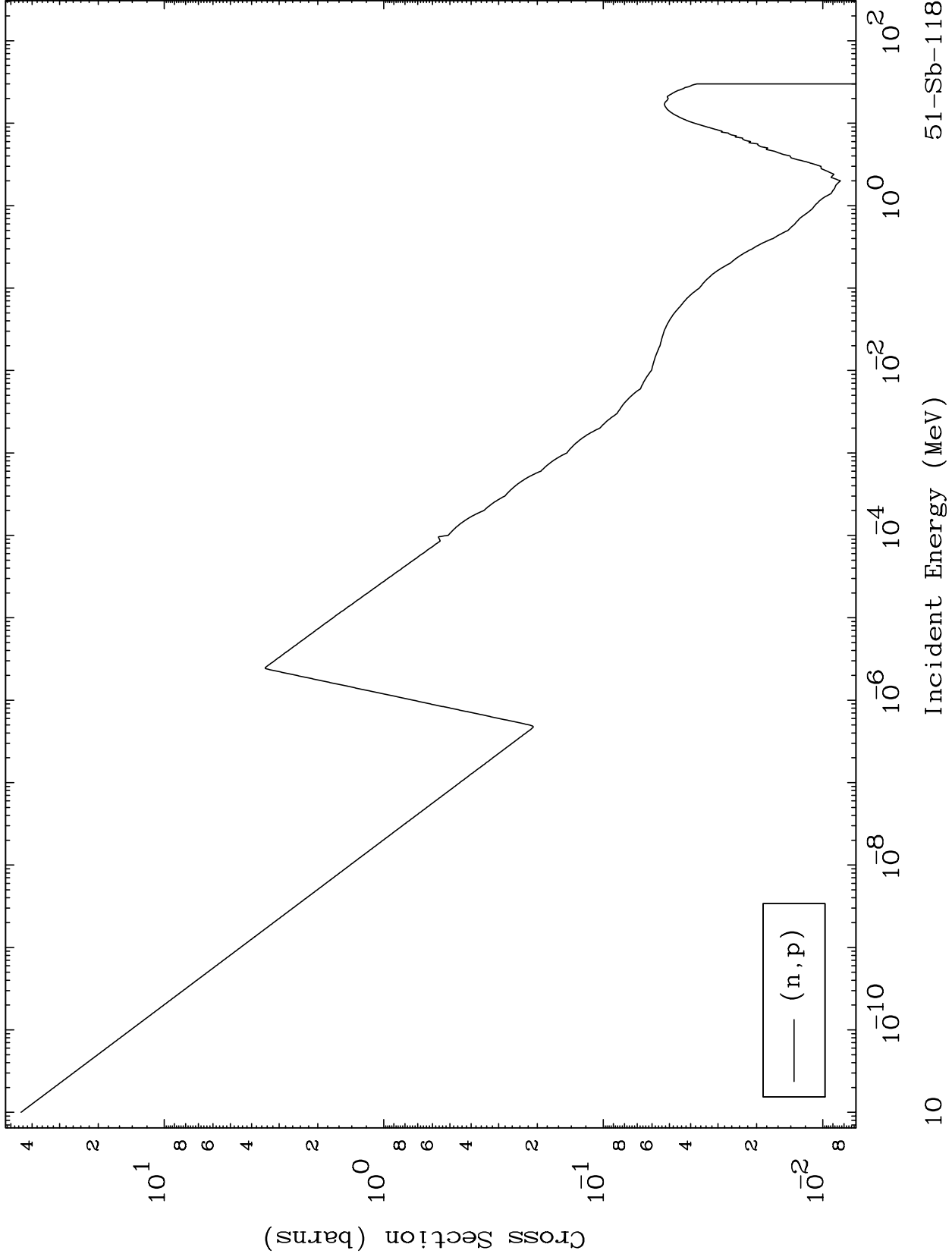
293 Kelvin Cross Sections



MAT 5116

(n,p) Levels  
293 Kelvin Cross Sections

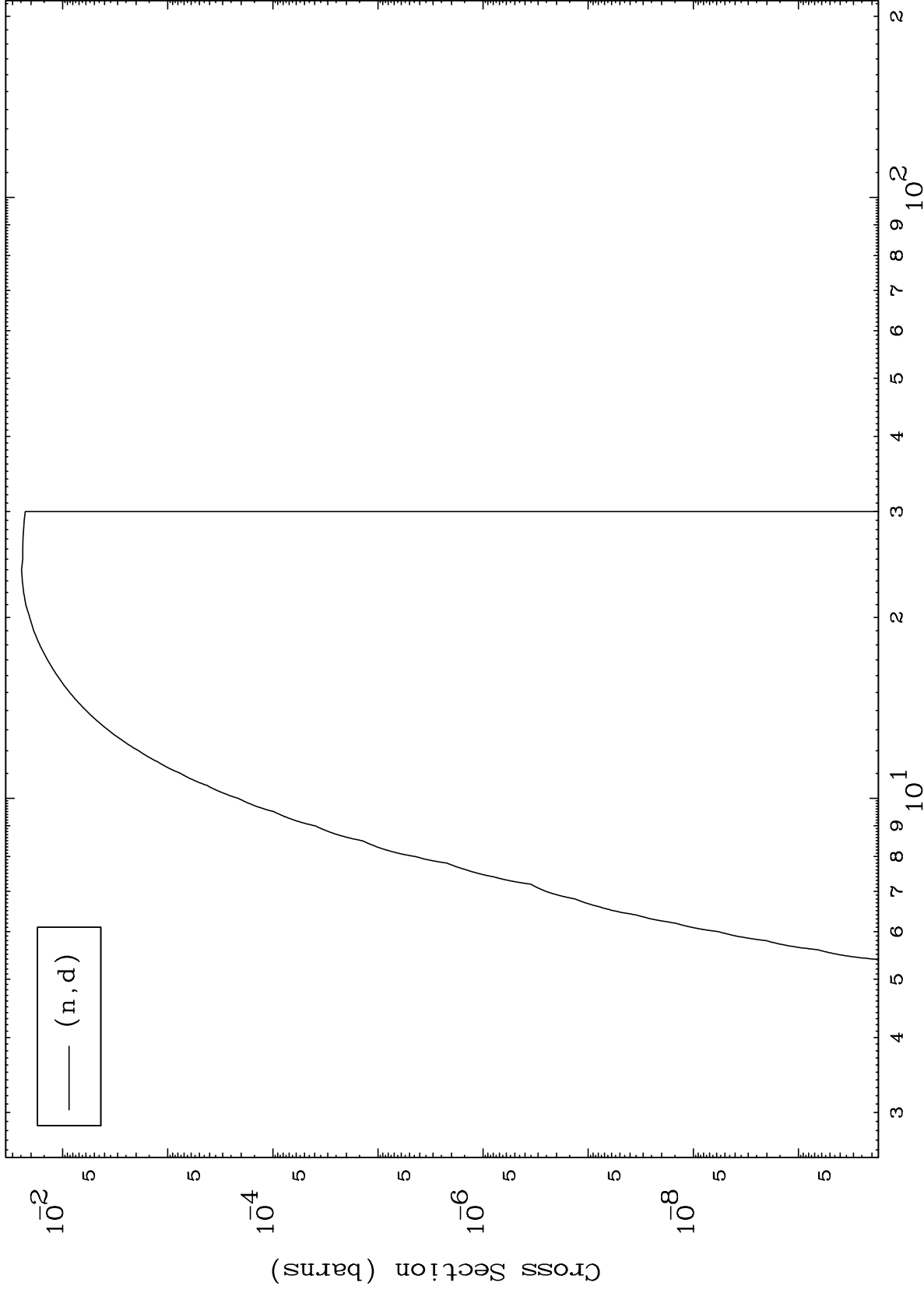
51-Sb-118



MAT 51116

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-118



(n,d)

11

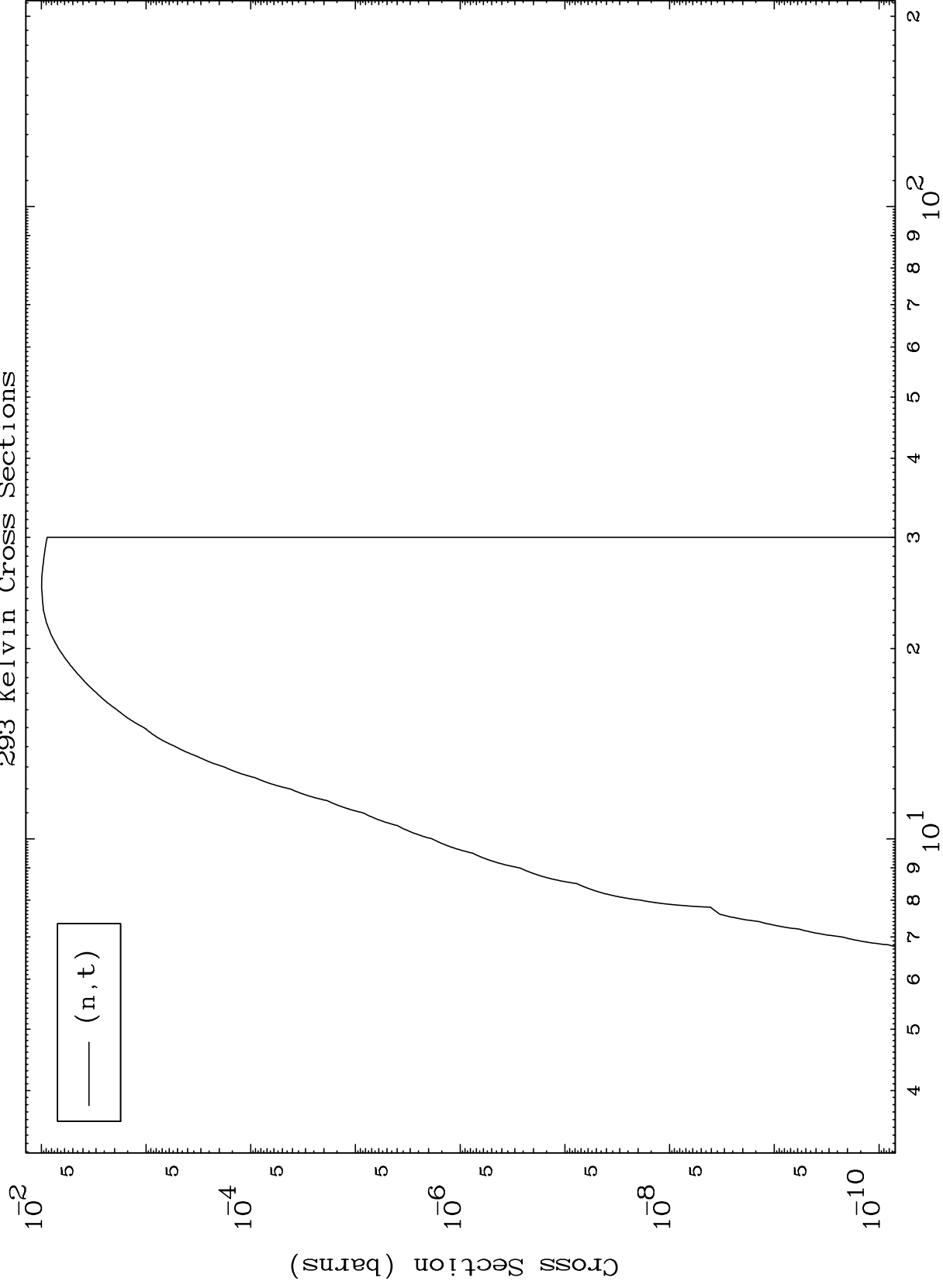
Incident Energy (MeV)

51-Sb-118

MAT 51116

(n,t) Levels  
293 Kelvin Cross Sections

51-Sb-118



12

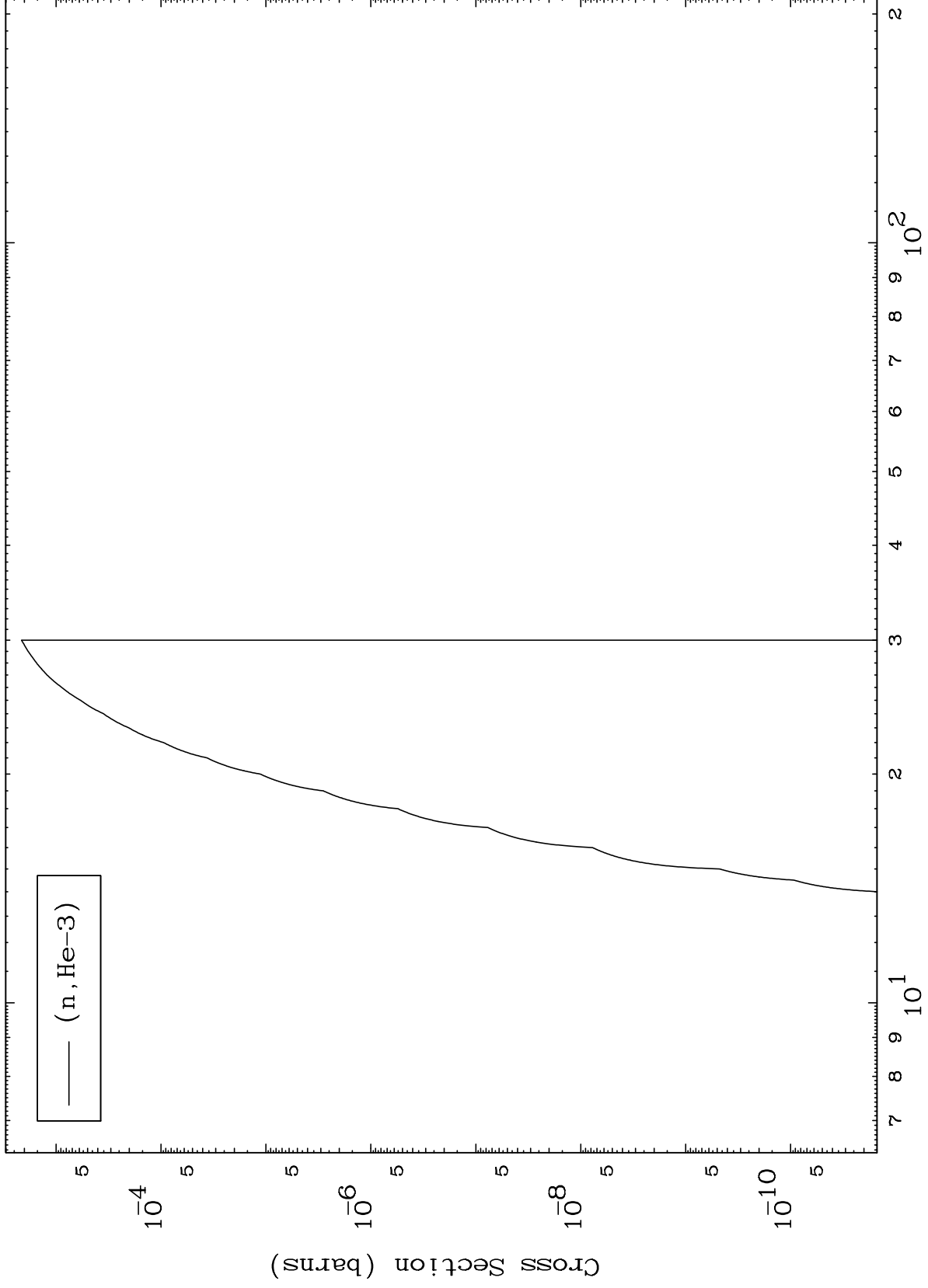
Incident Energy (MeV)

51-Sb-118

MAT 51116

(n,He3) Levels  
293 Kelvin Cross Sections

51-Sb-118



13

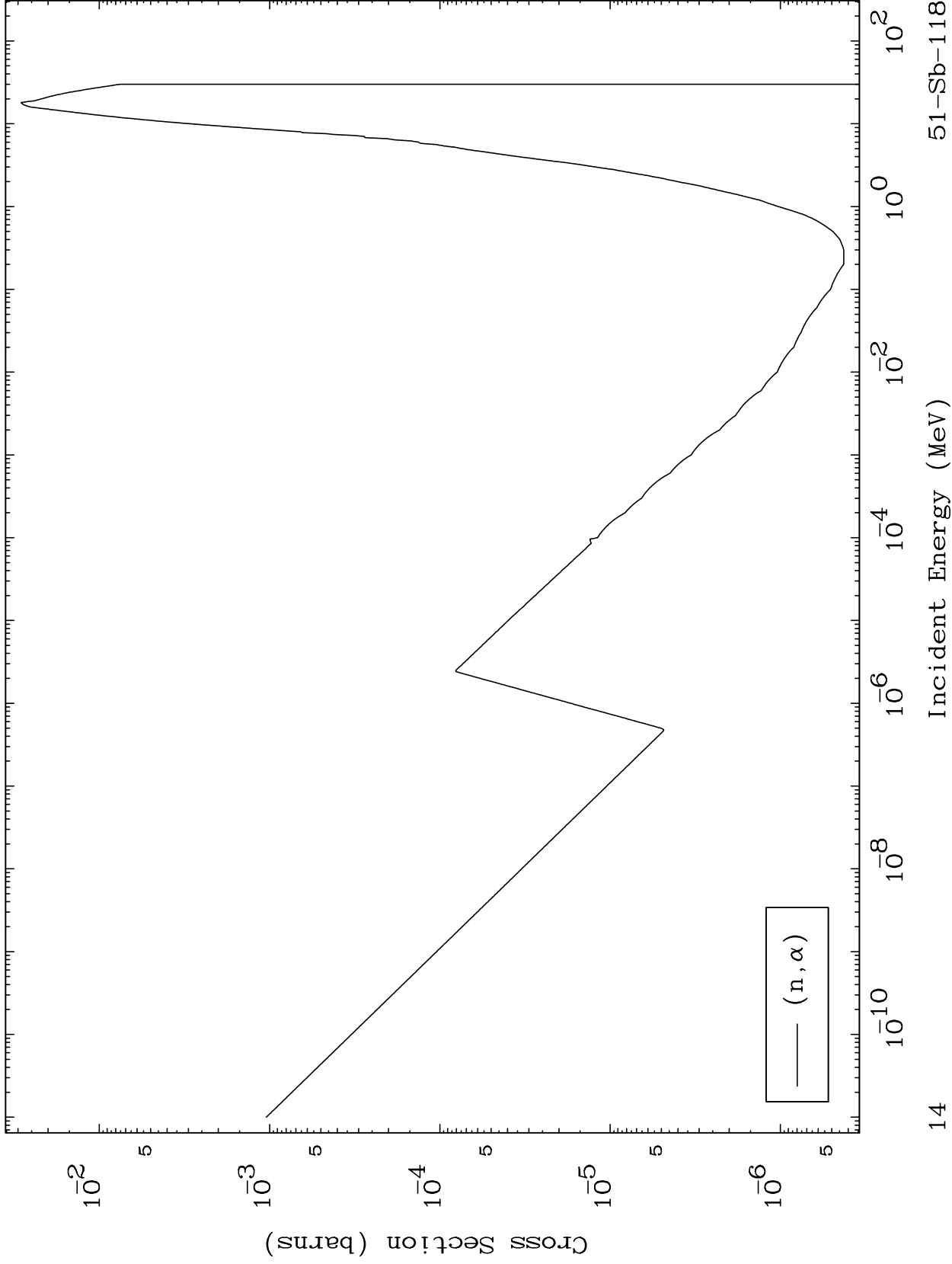
Incident Energy (MeV)

51-Sb-118

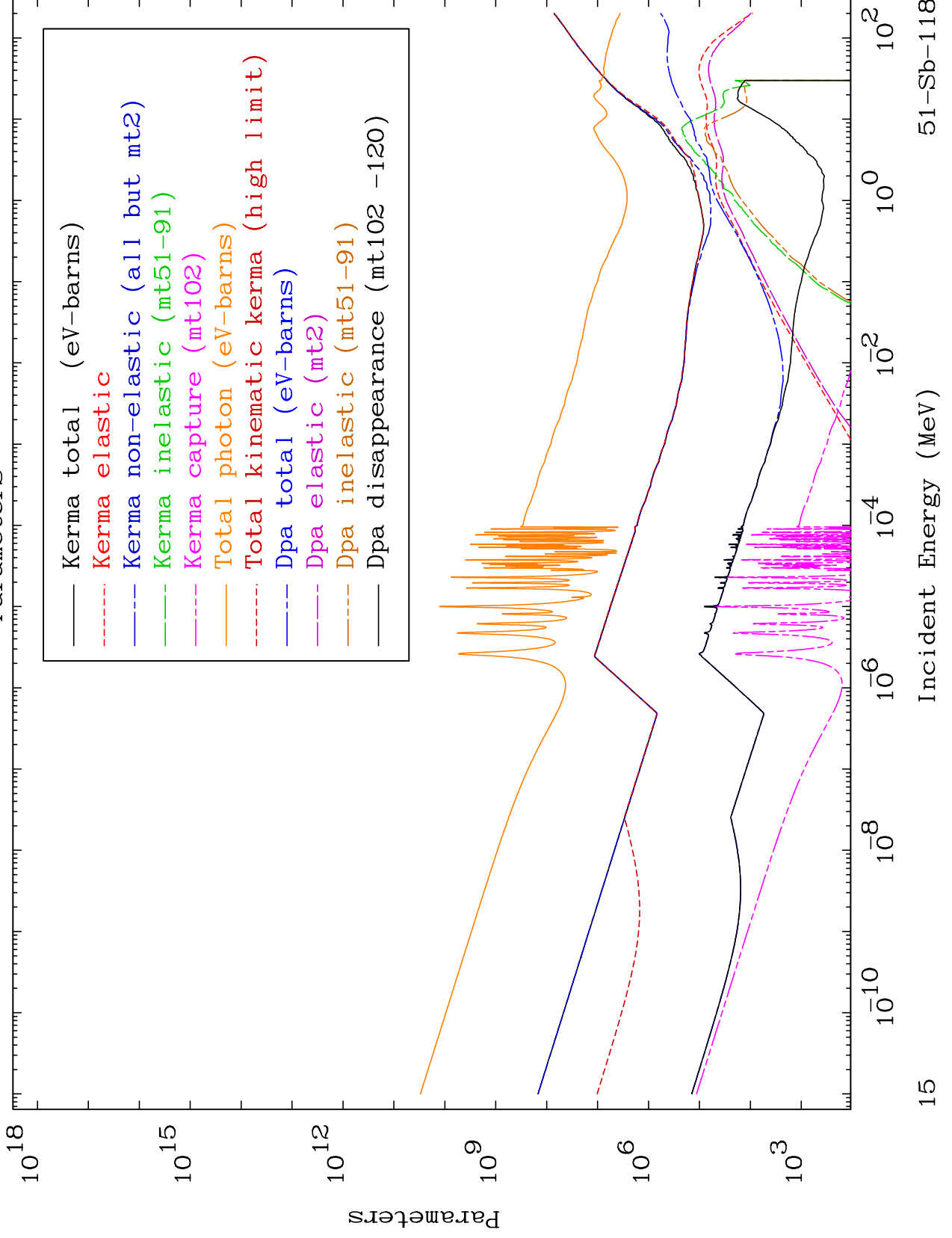
MAT 51116

(n,α) Levels  
293 Kelvin Cross Sections

51-Sb-118



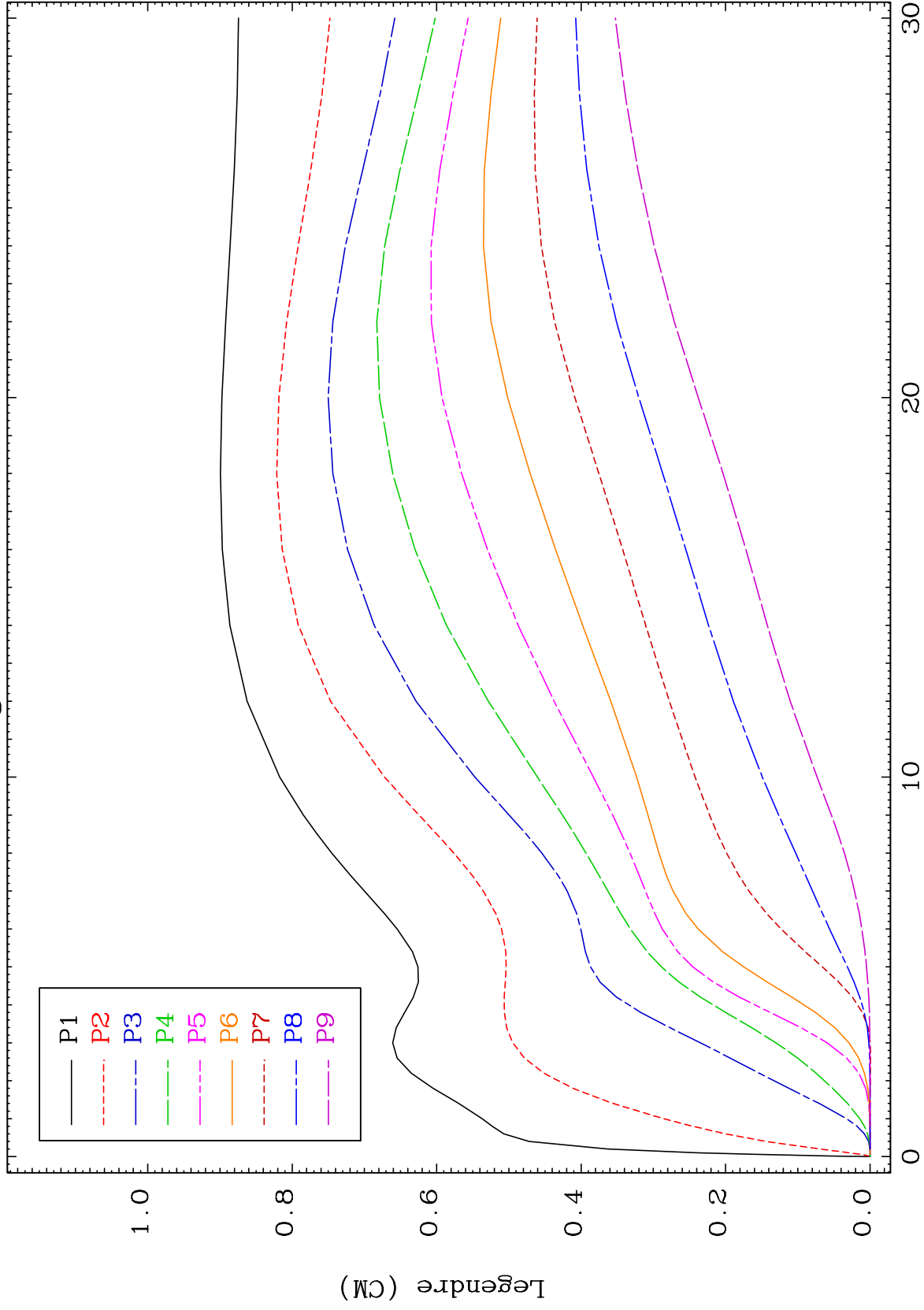
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MAT 5116

Elastic Legendre Coefficients

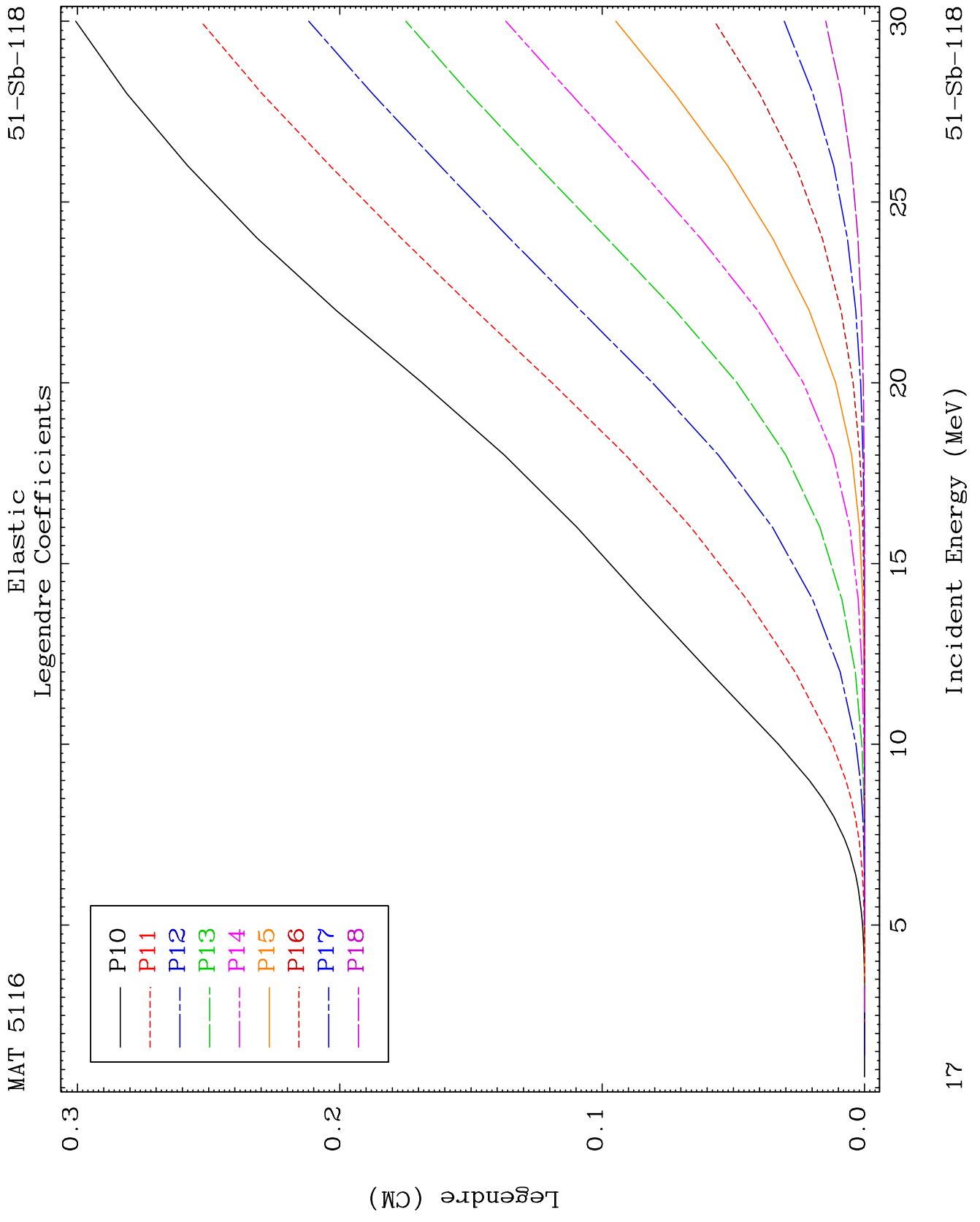
51-Sb-118



16

Incident Energy (MeV)

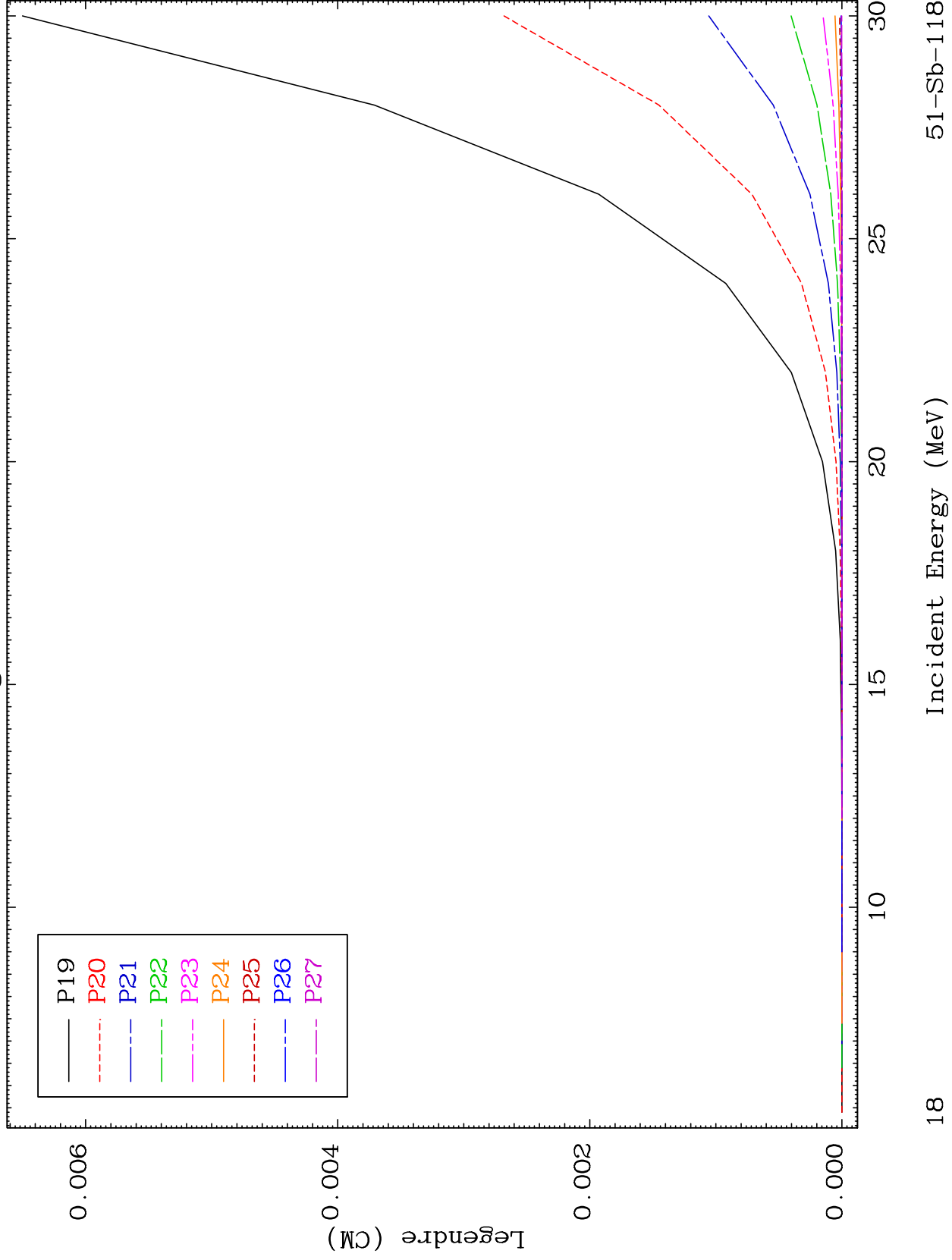
51-Sb-118



MAT 5116

### Elastic Legendre Coefficients

51-Sb-118



18

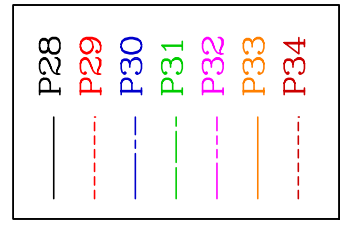
Incident Energy (MeV)

51-Sb-118

MAT 5116

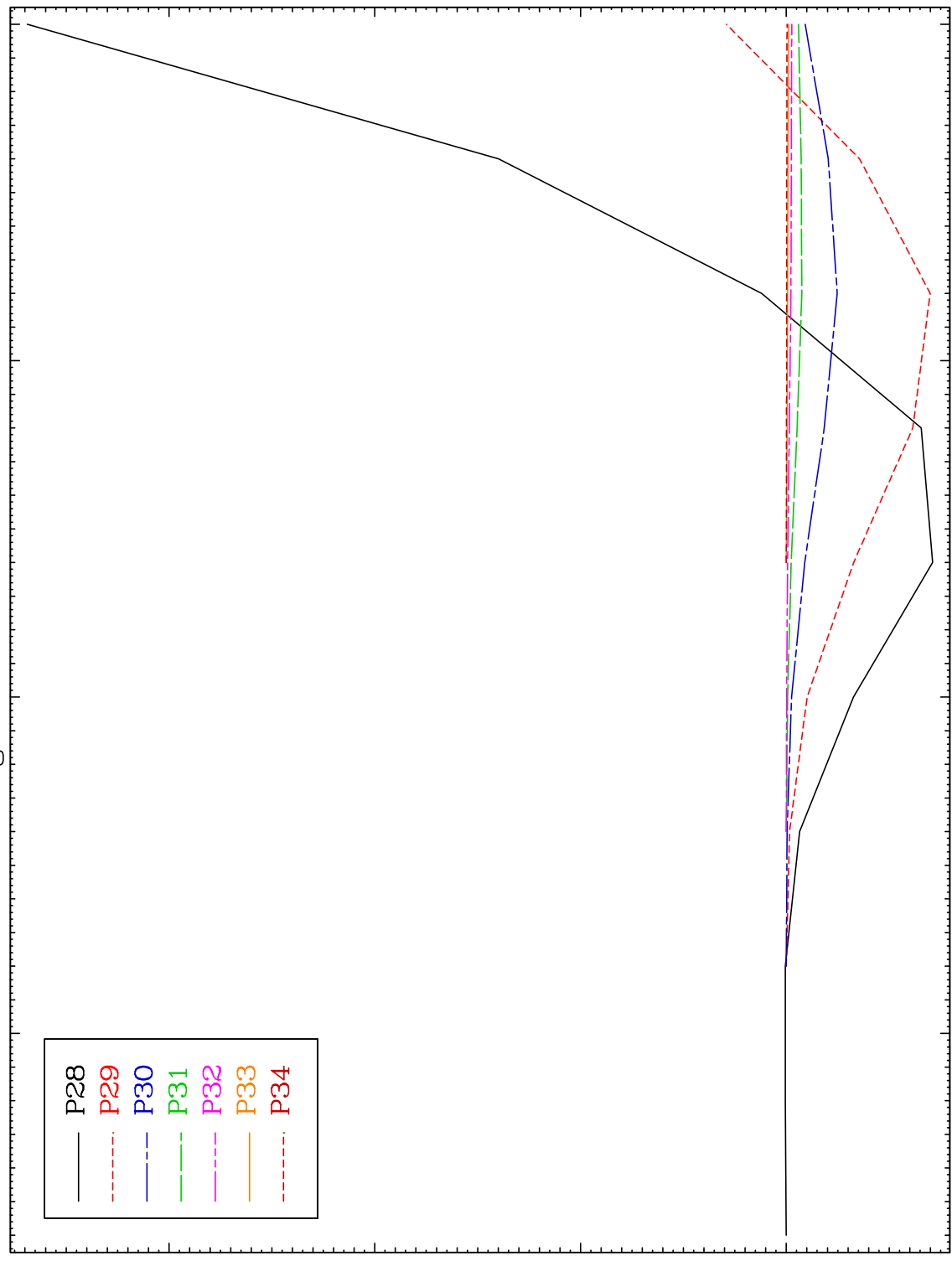
Elastic Legendre Coefficients

51-Sb-118



$\times 10^{-7}$

Legendre (CM)



15

20

25

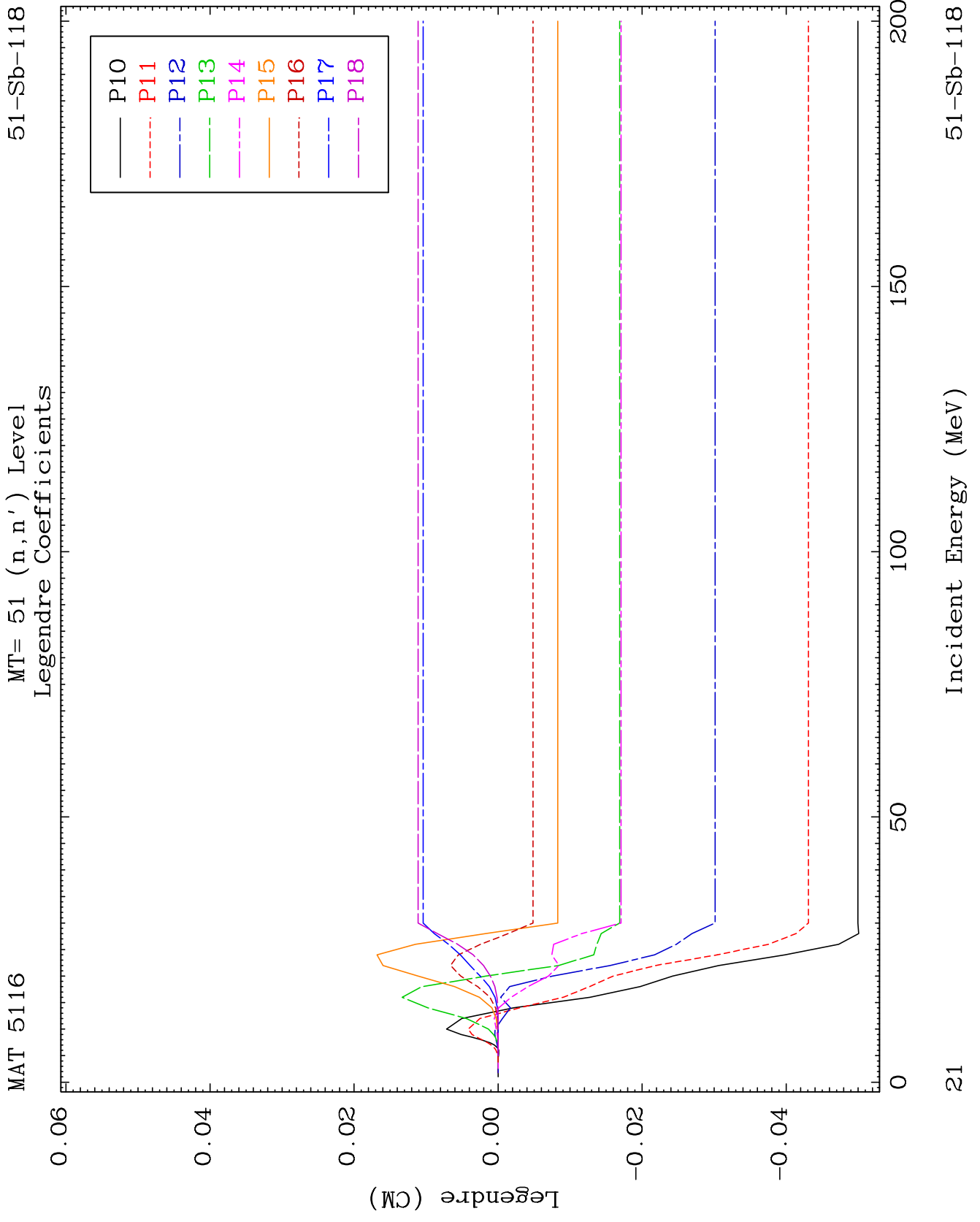
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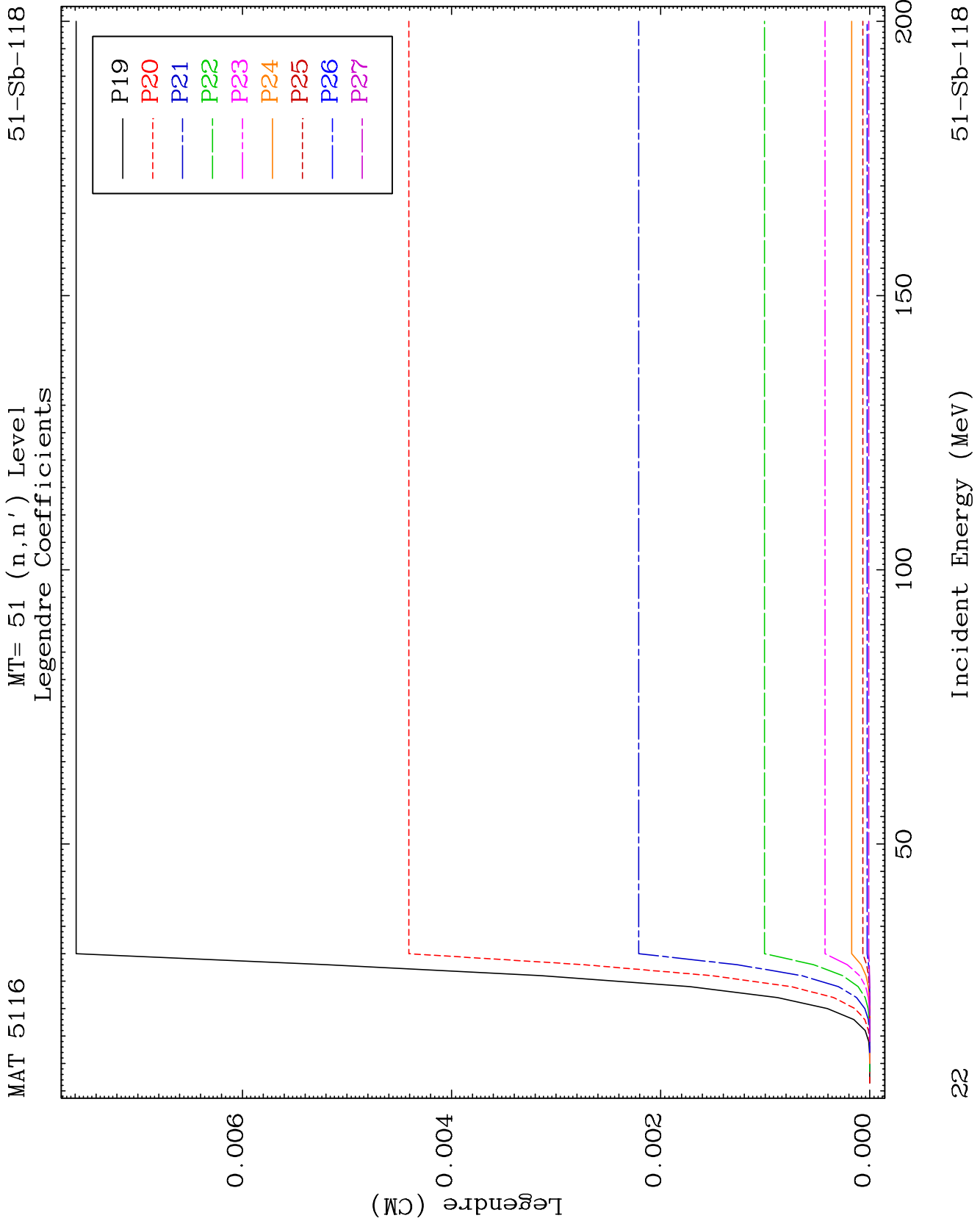
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Incident Energy (MeV)

51-Sb-118



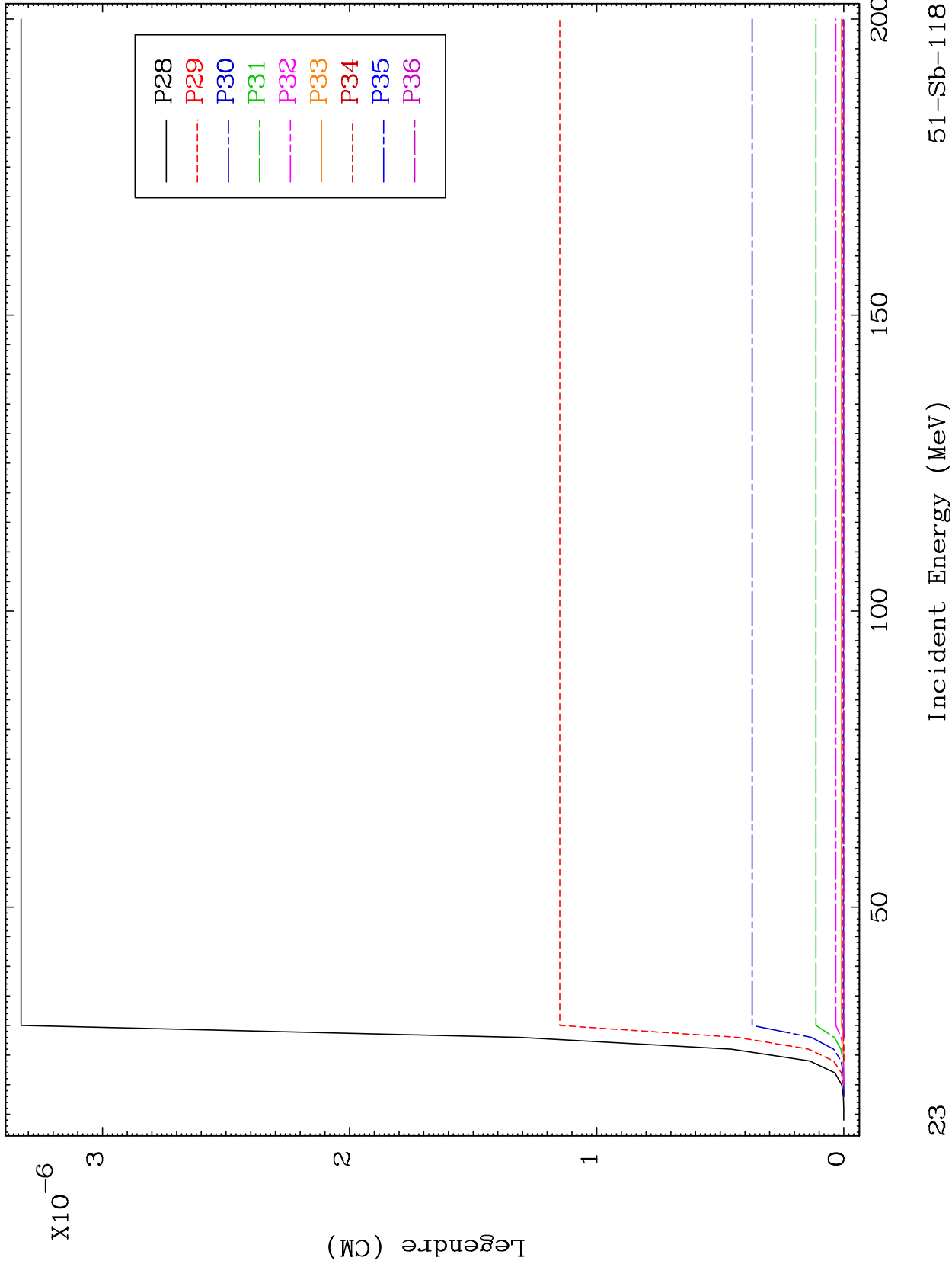


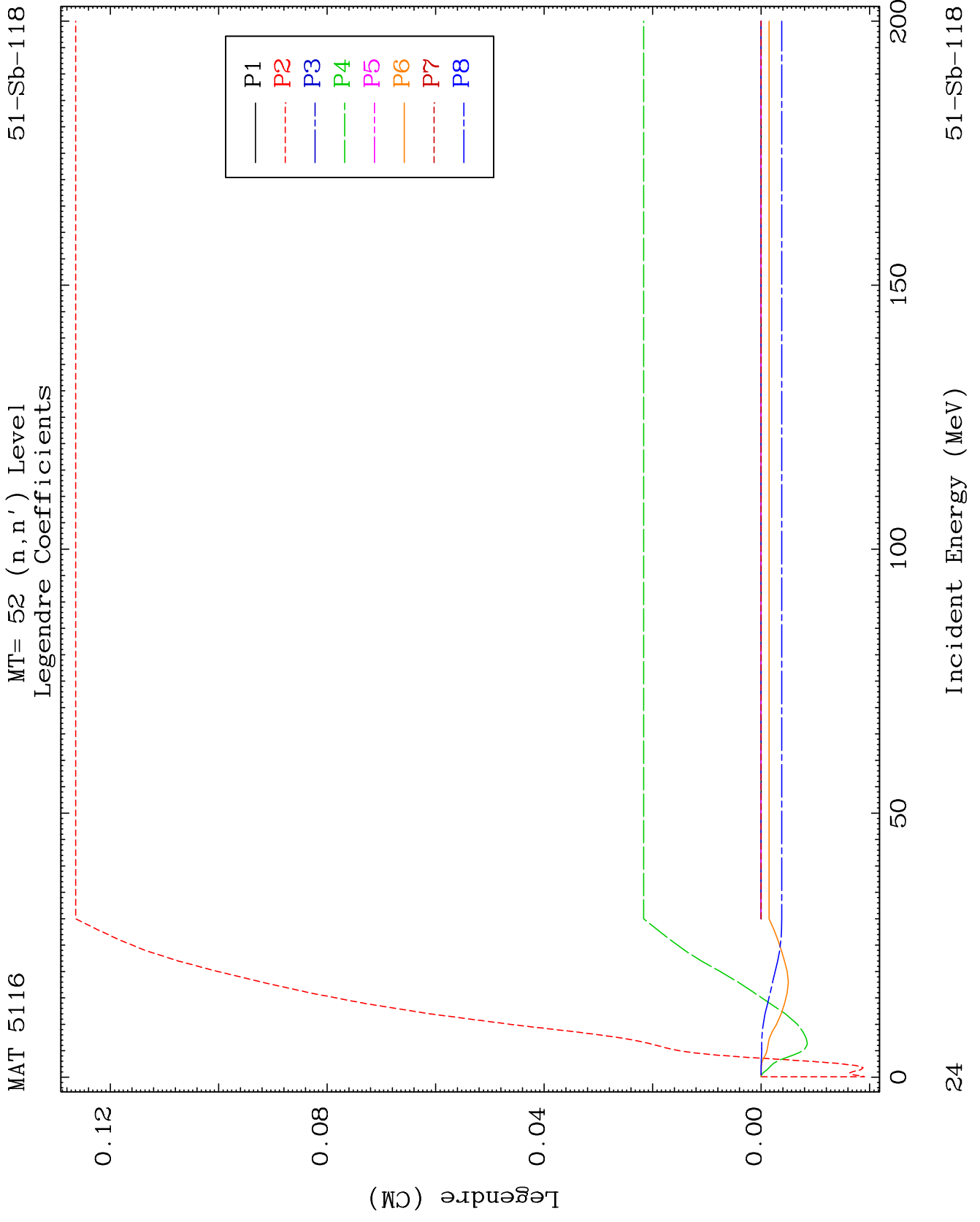


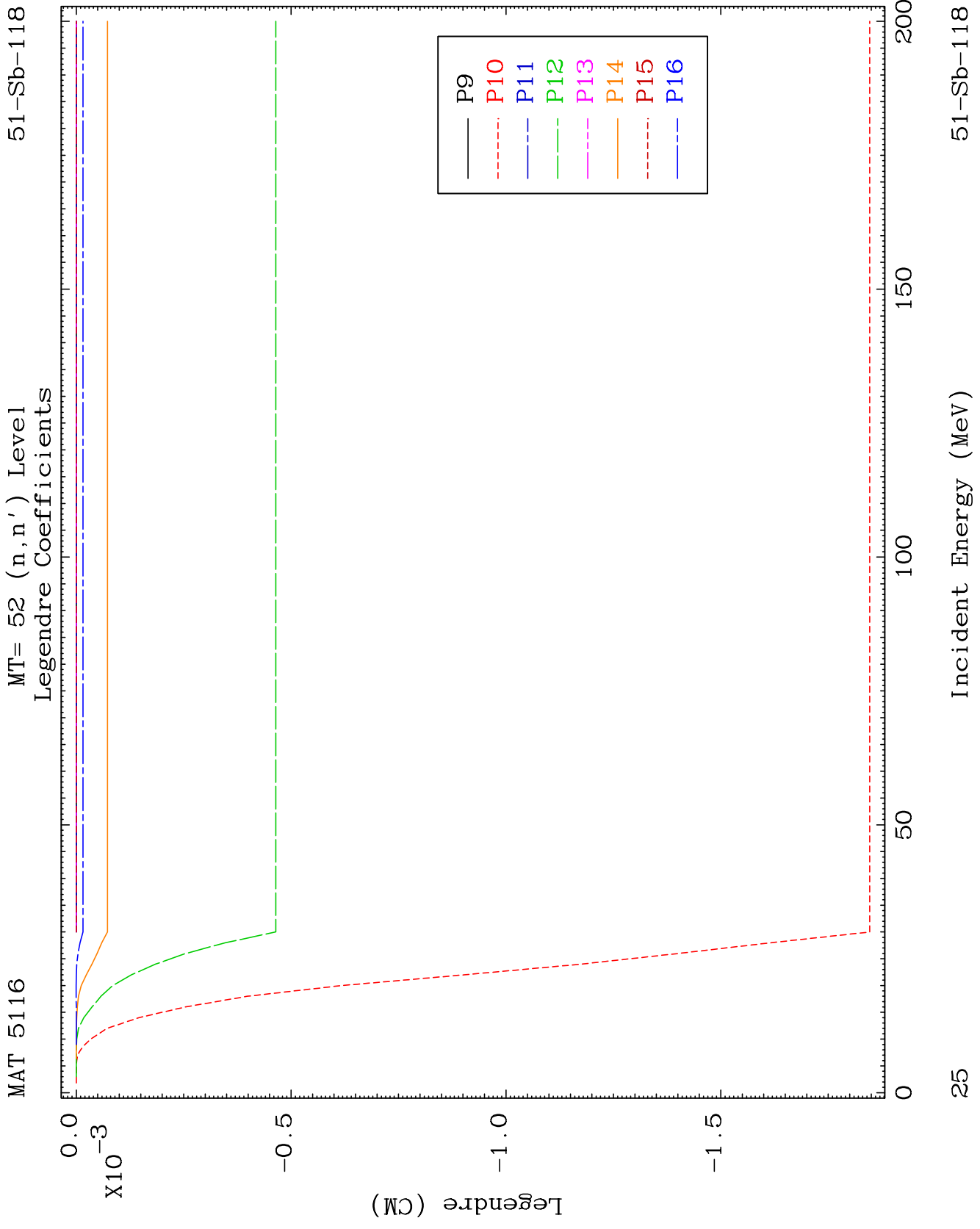
MAT 5116

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

51-Sb-118





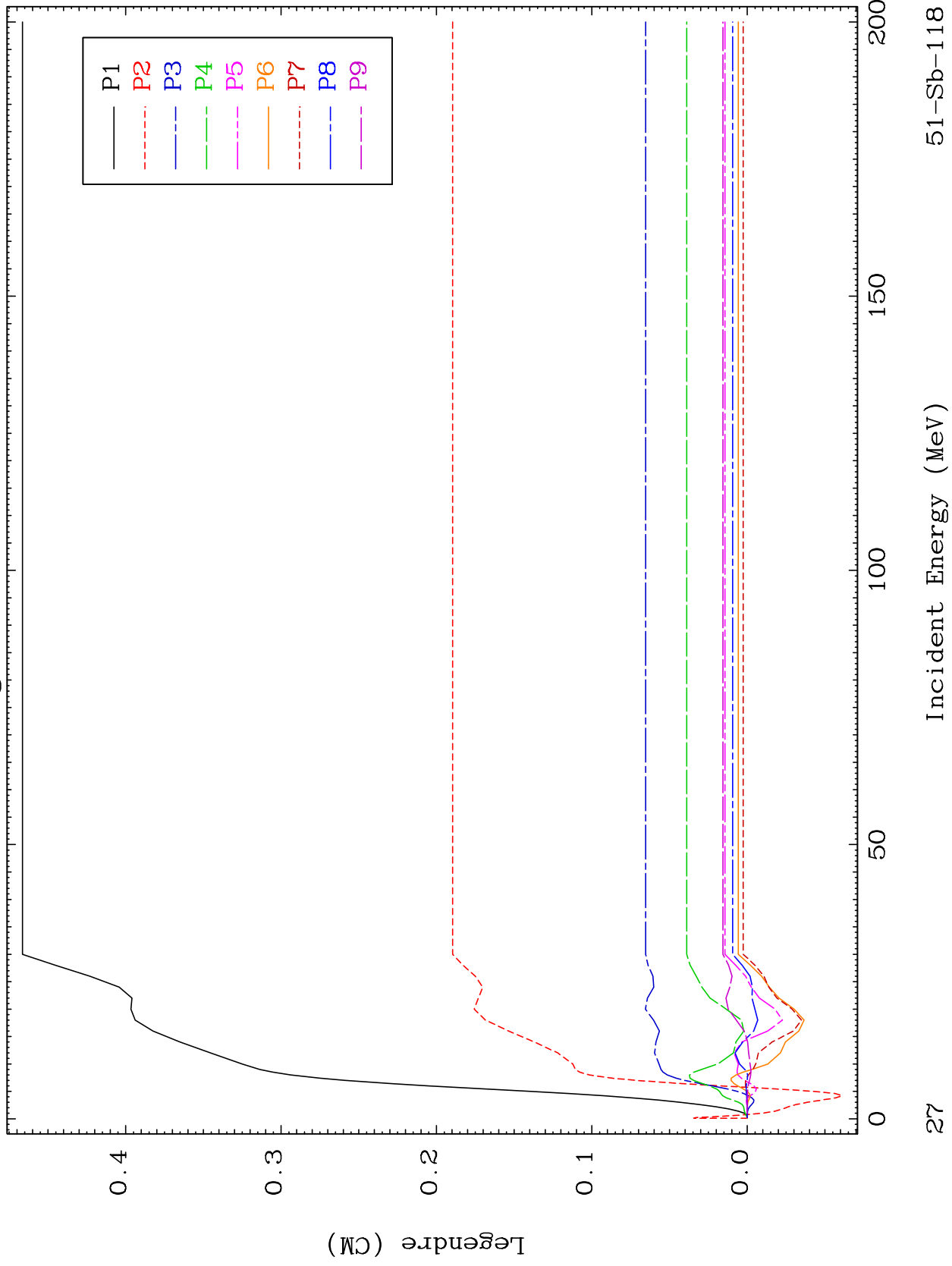




MAT 51116

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

51-Sb-118



51-Sb-118

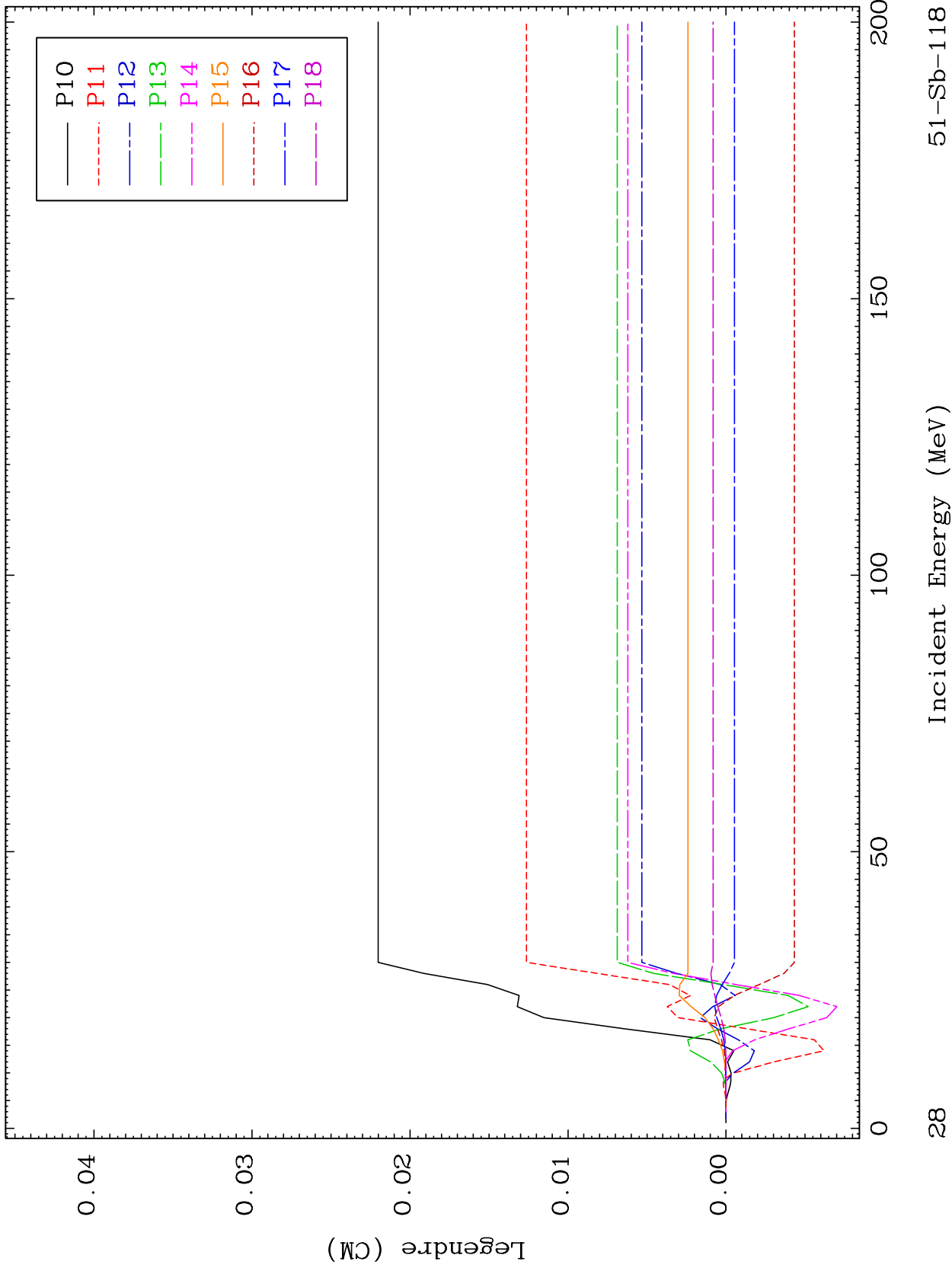
Incident Energy (MeV)

27

MAT 5116

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

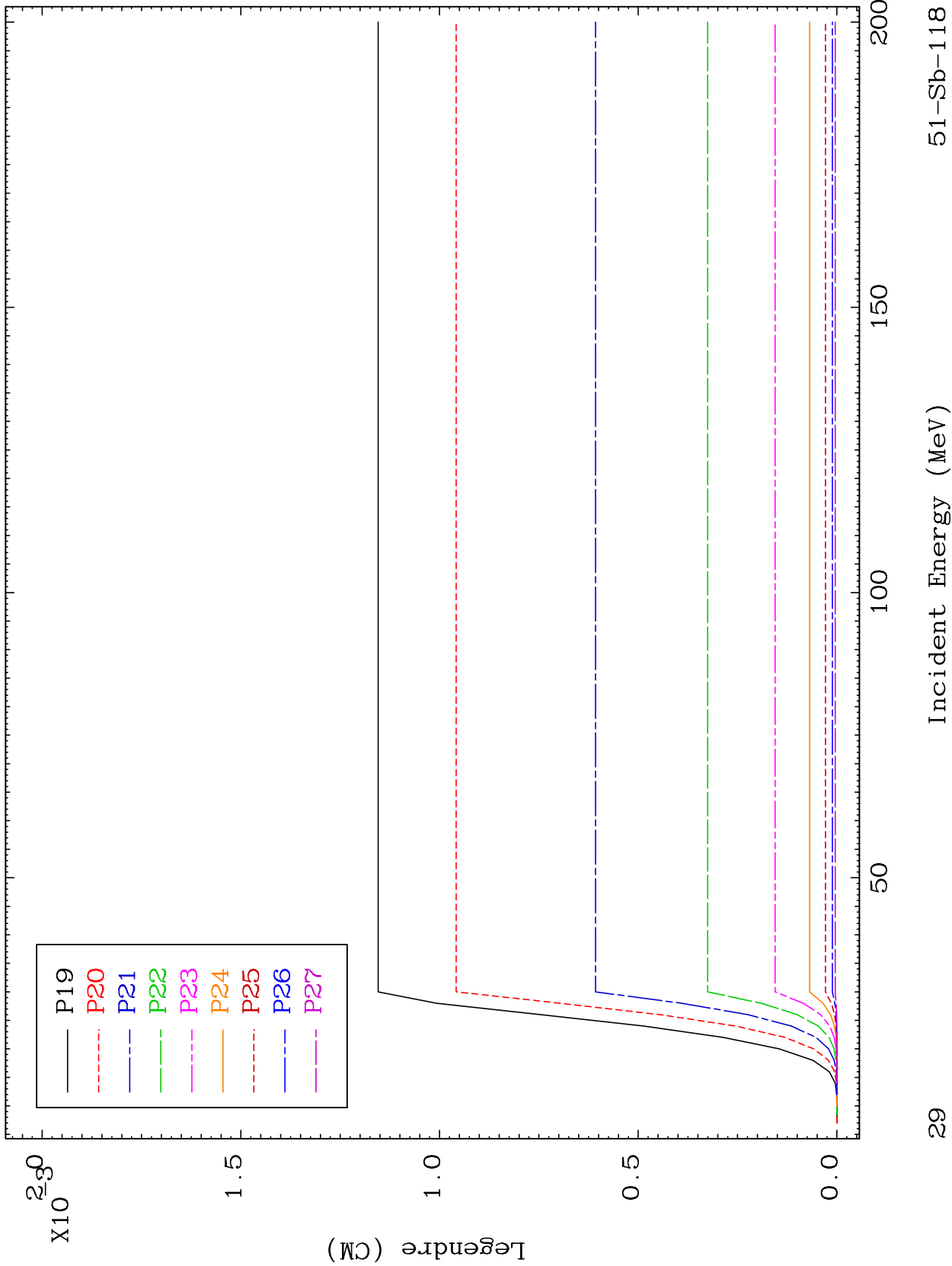
51-Sb-118



51-Sb-118

Incident Energy (MeV)

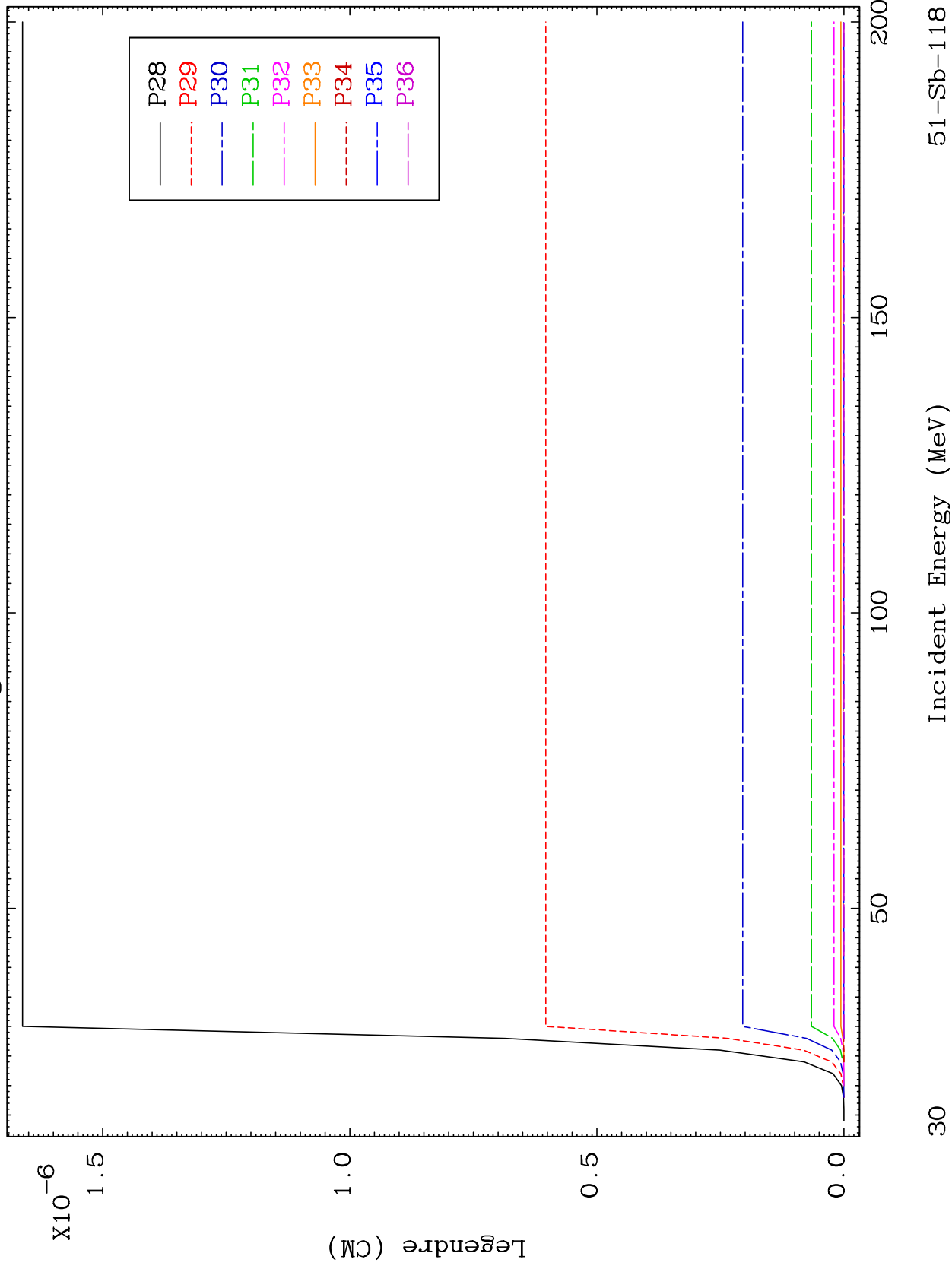
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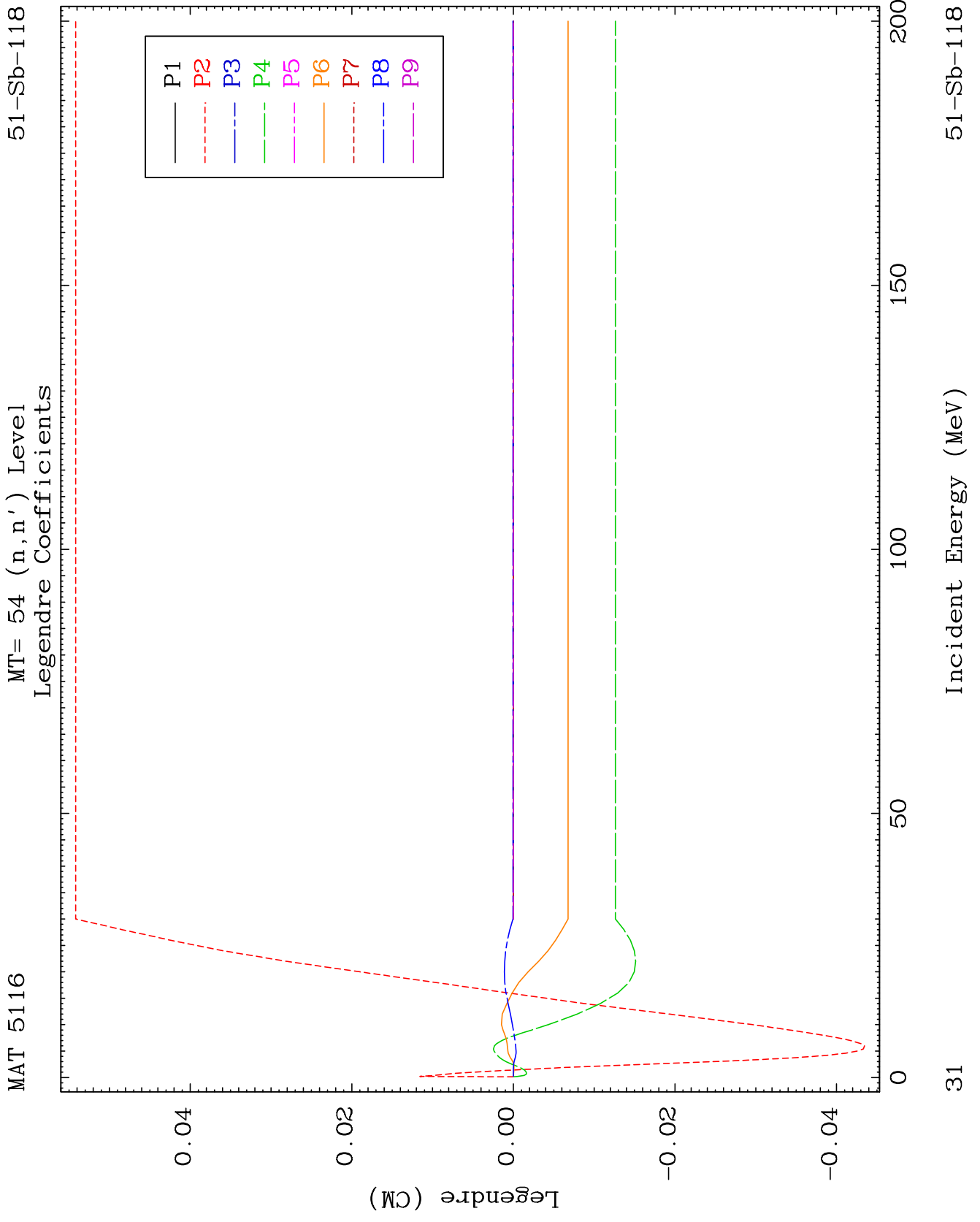


MAT 51116

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

51-Sb-118

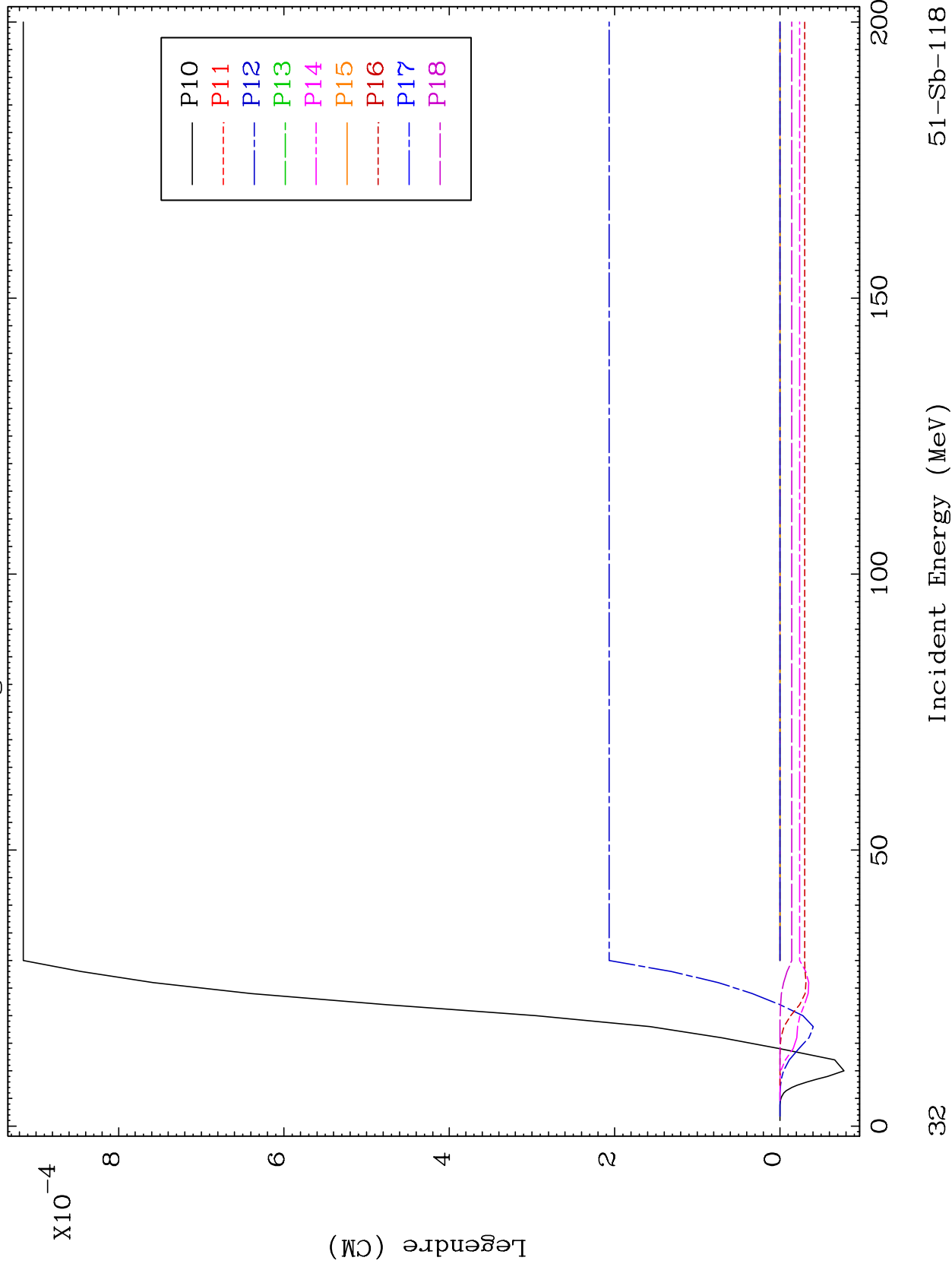




MAT 51116

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

51-Sb-118



51-Sb-118

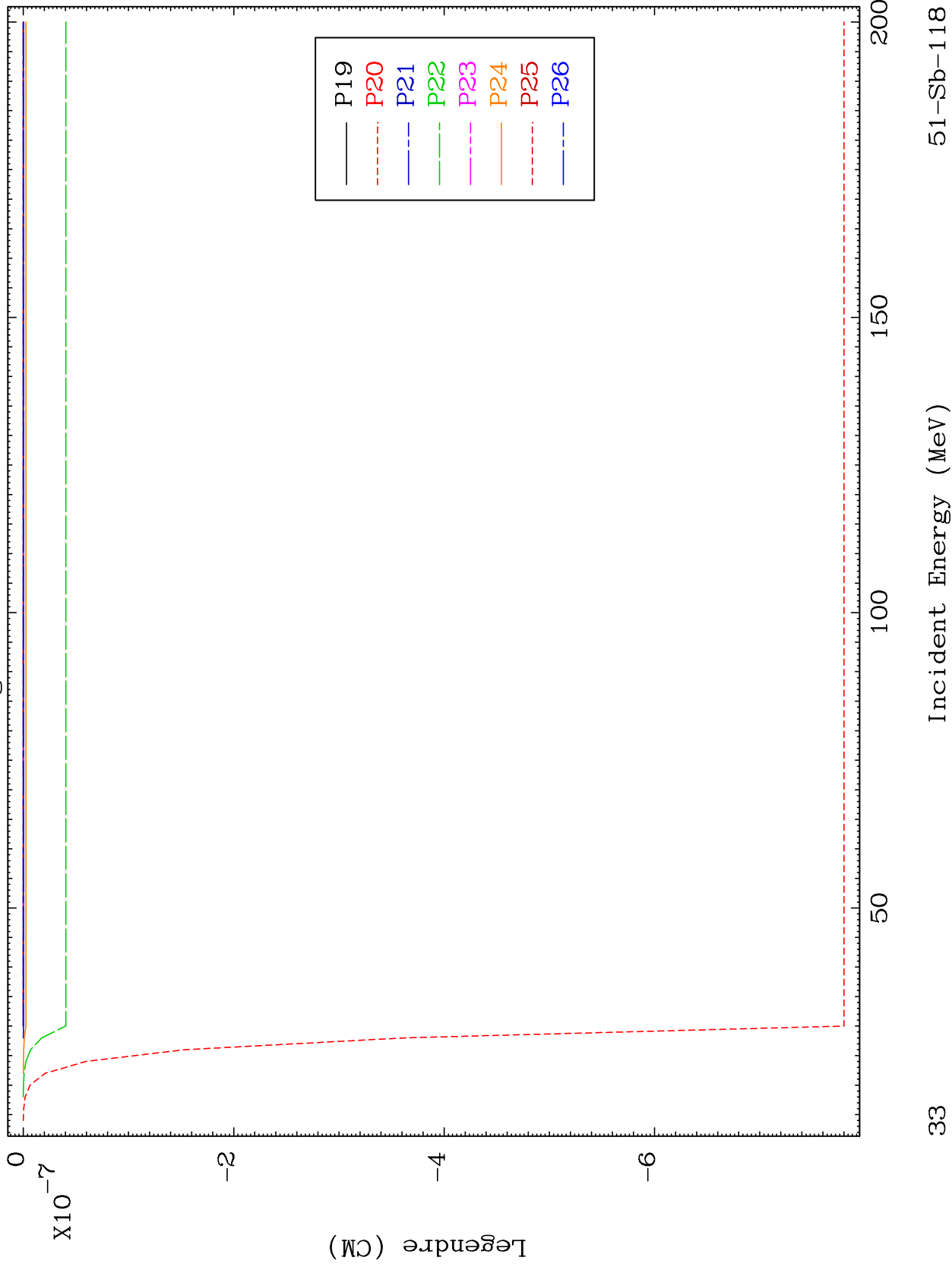
Incident Energy (MeV)

32

MAT 5116

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

51-Sb-118



33

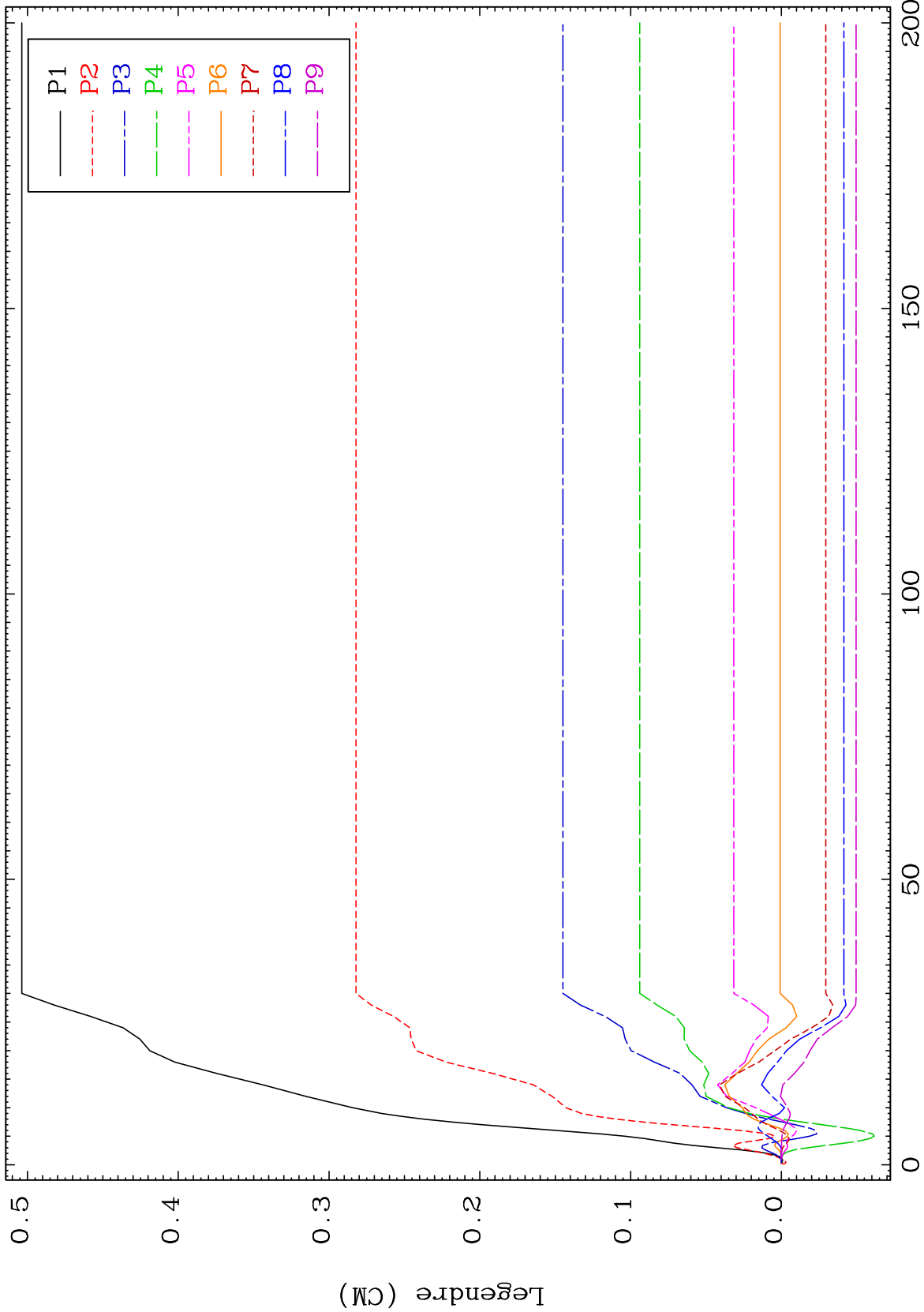
51-Sb-118

MAT 5116

MT= 55 (n,n') Level

51-Sb-118

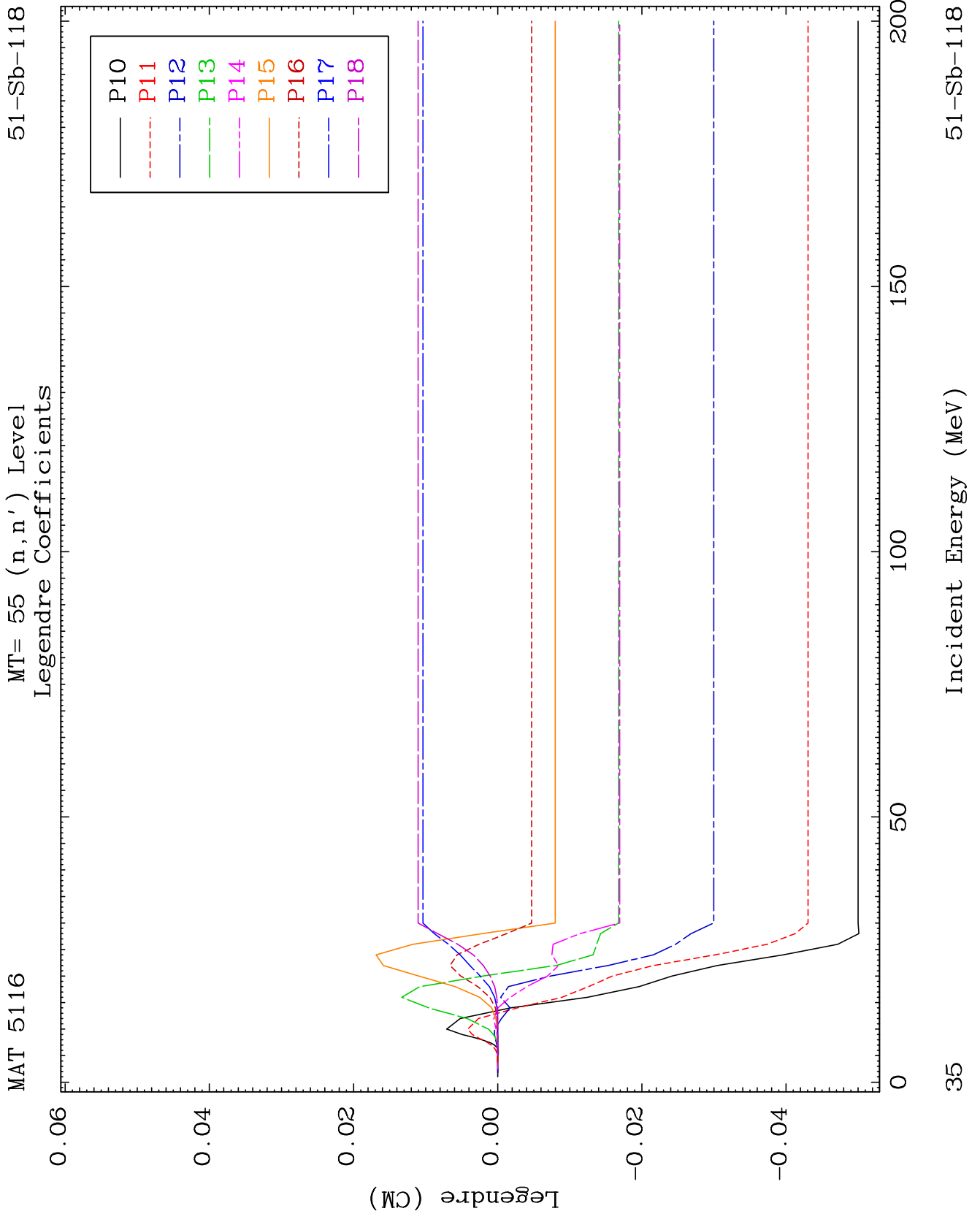
Legendre Coefficients



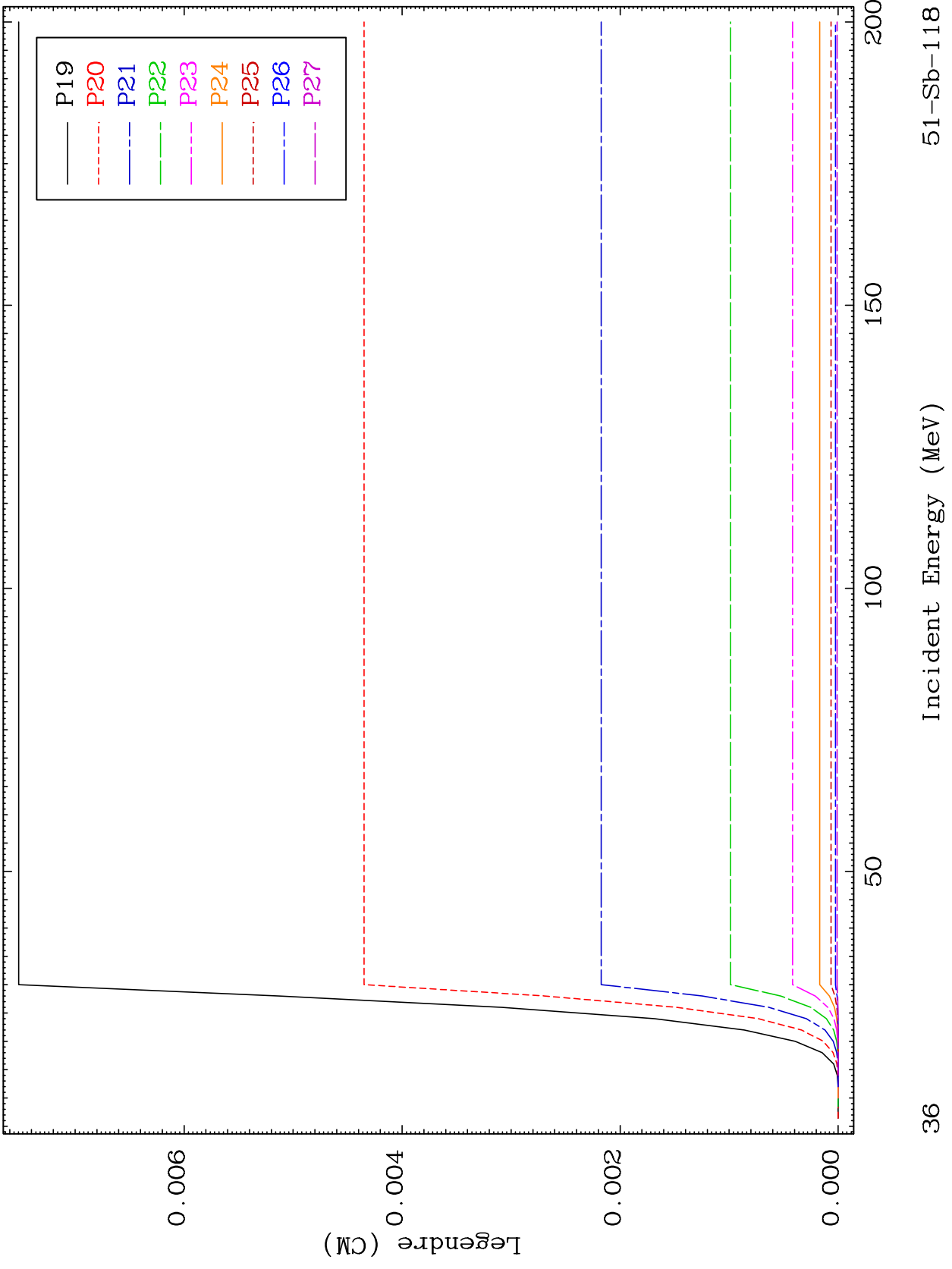
34

Incident Energy (MeV)

51-Sb-118



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

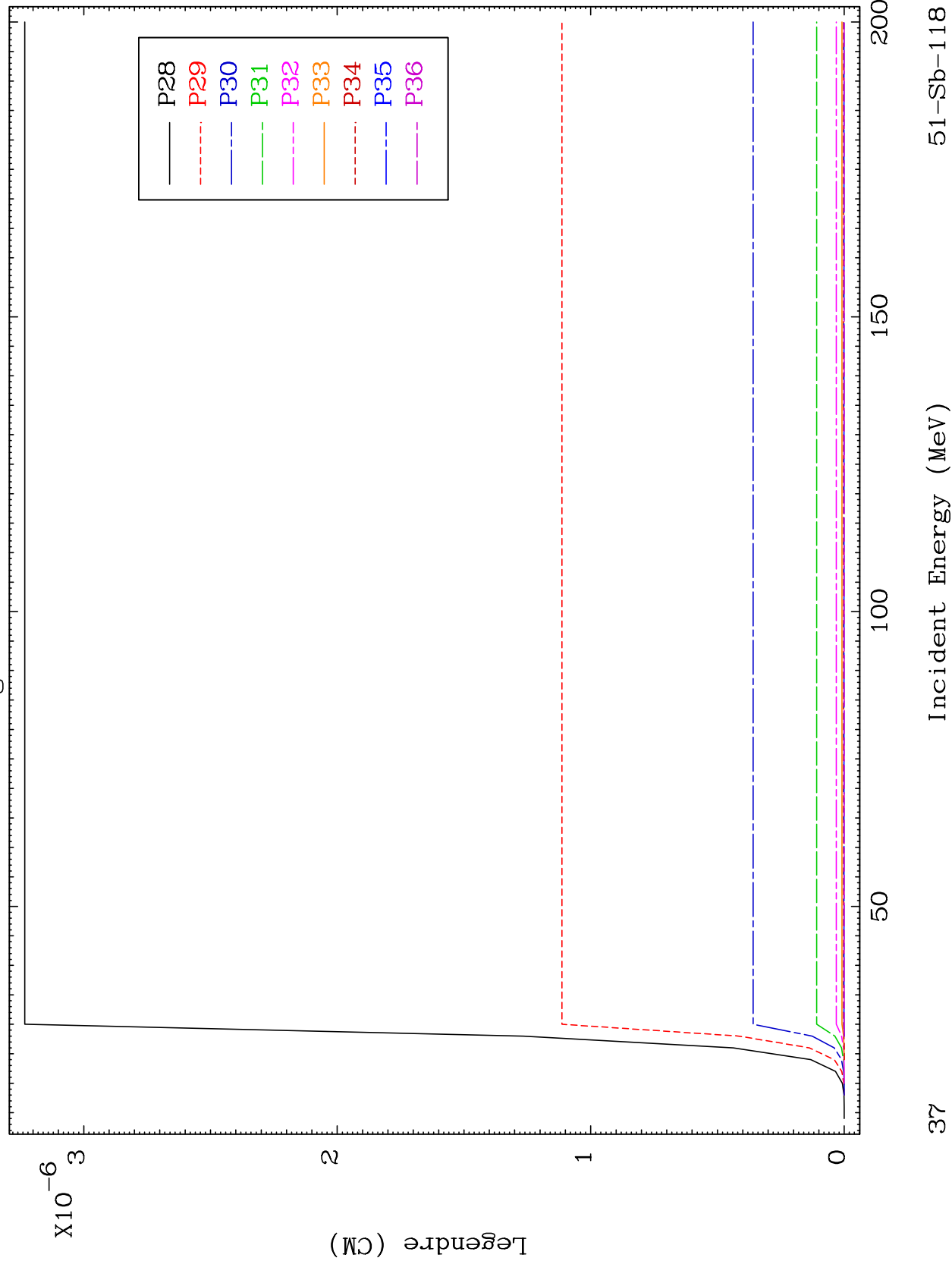


36 51-Sb-118

MAT 5116

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

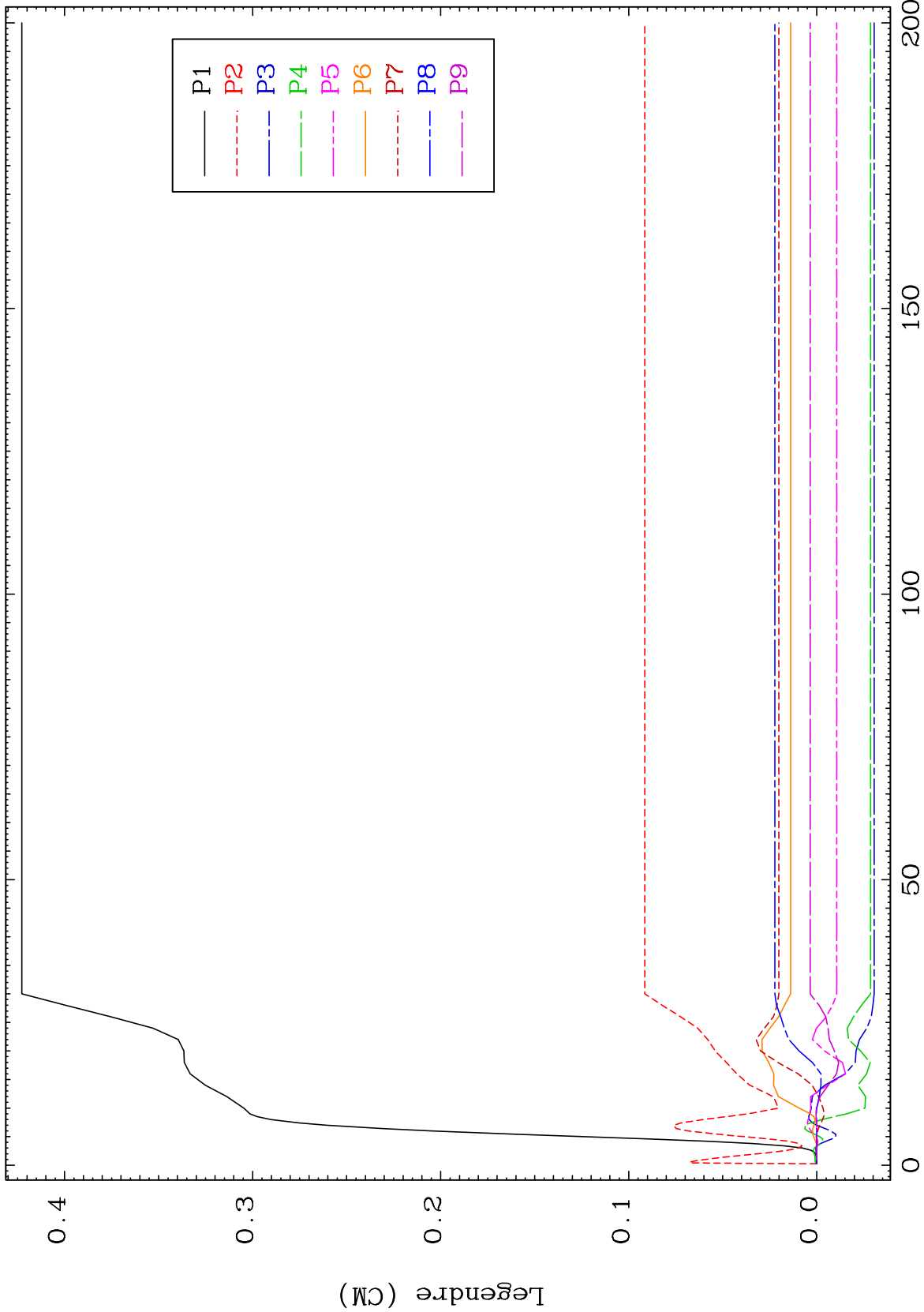
51-Sb-118



MAT 5116

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

51-Sb-118



51-Sb-118

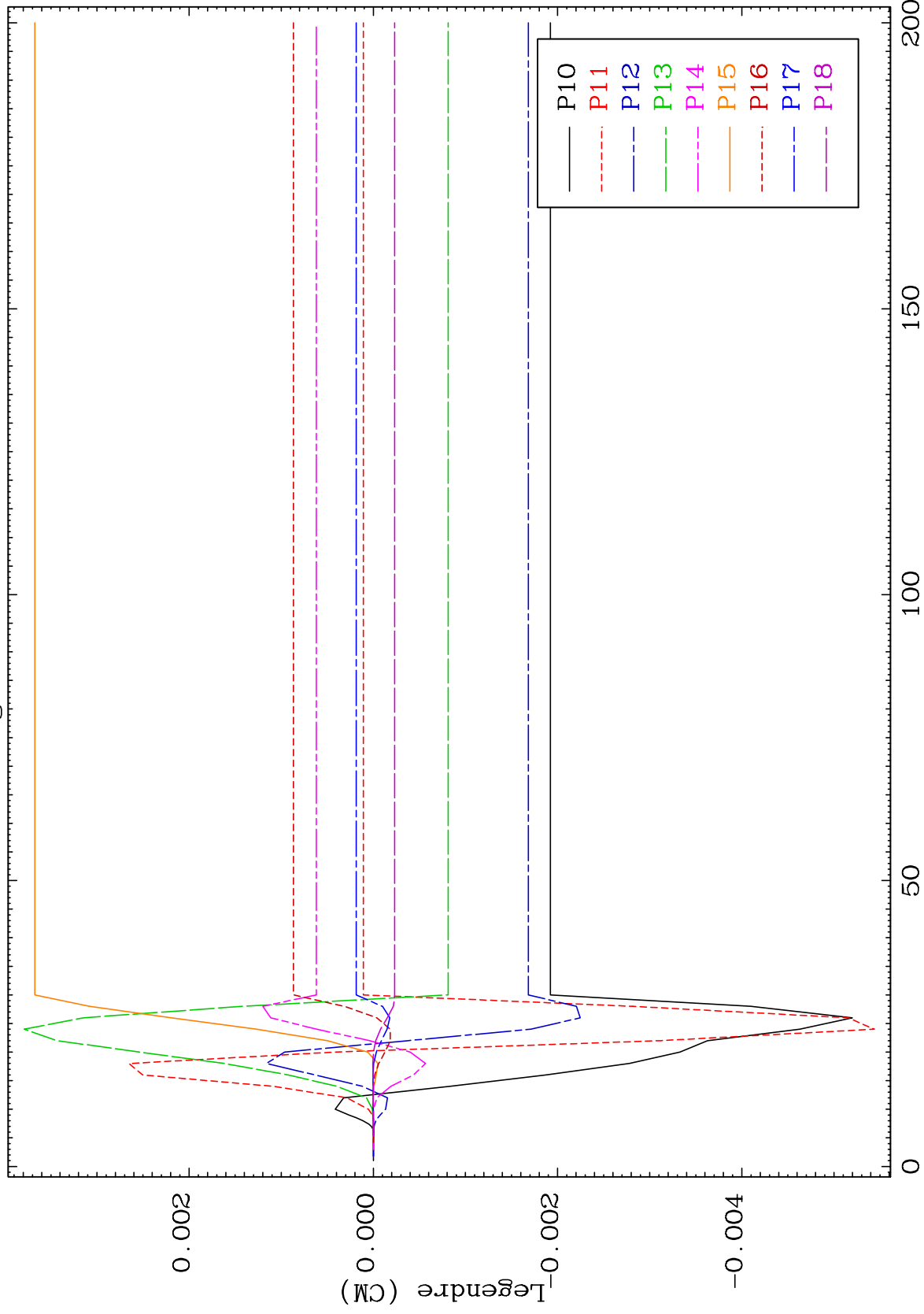
Incident Energy (MeV)

38

MAT 5116

51-Sb-118

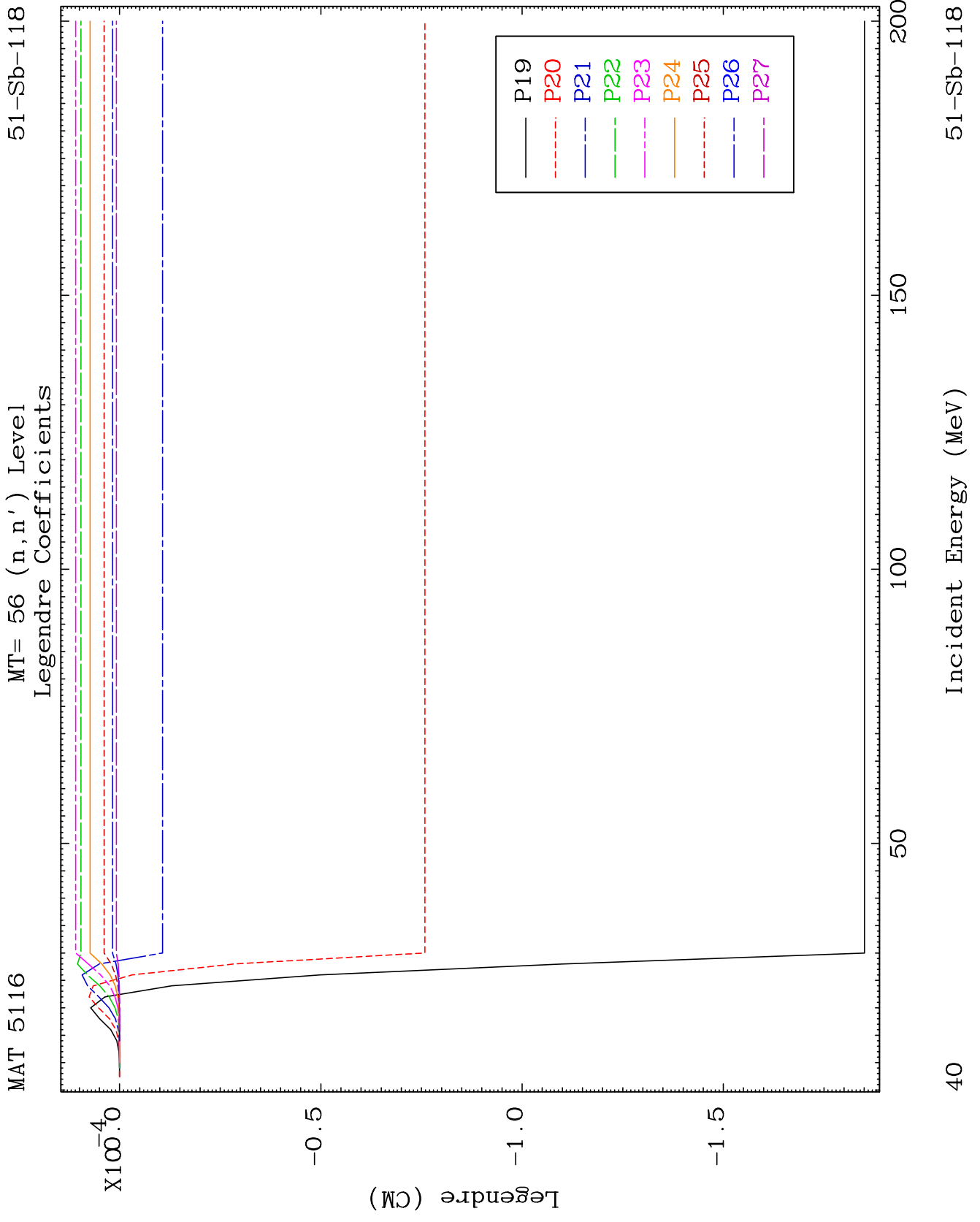
MT= 56 (n,n') Level  
Legendre Coefficients



51-Sb-118

Incident Energy (MeV)

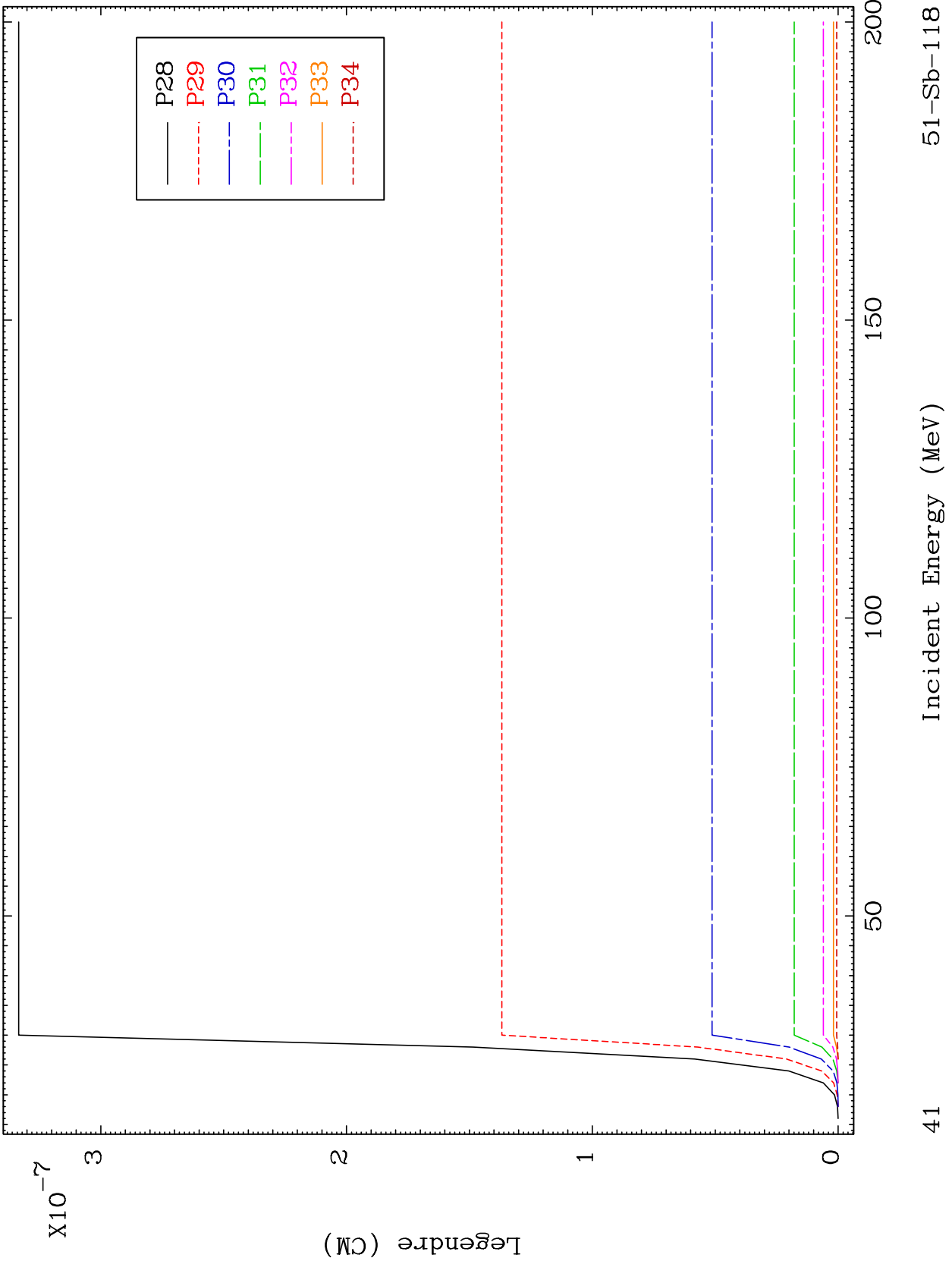
39



MAT 5116

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

51-Sb-118



41

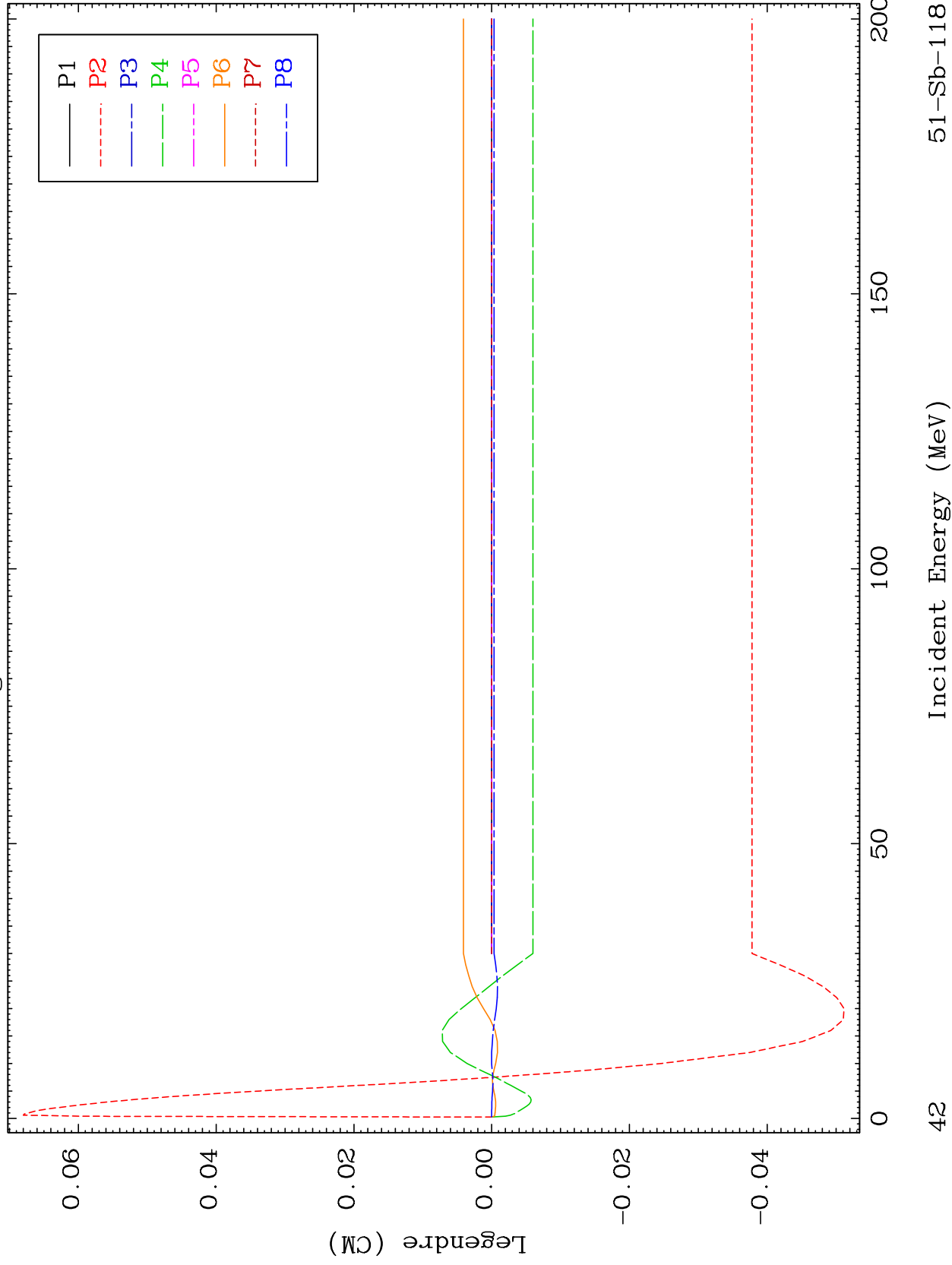
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



51-Sb-118

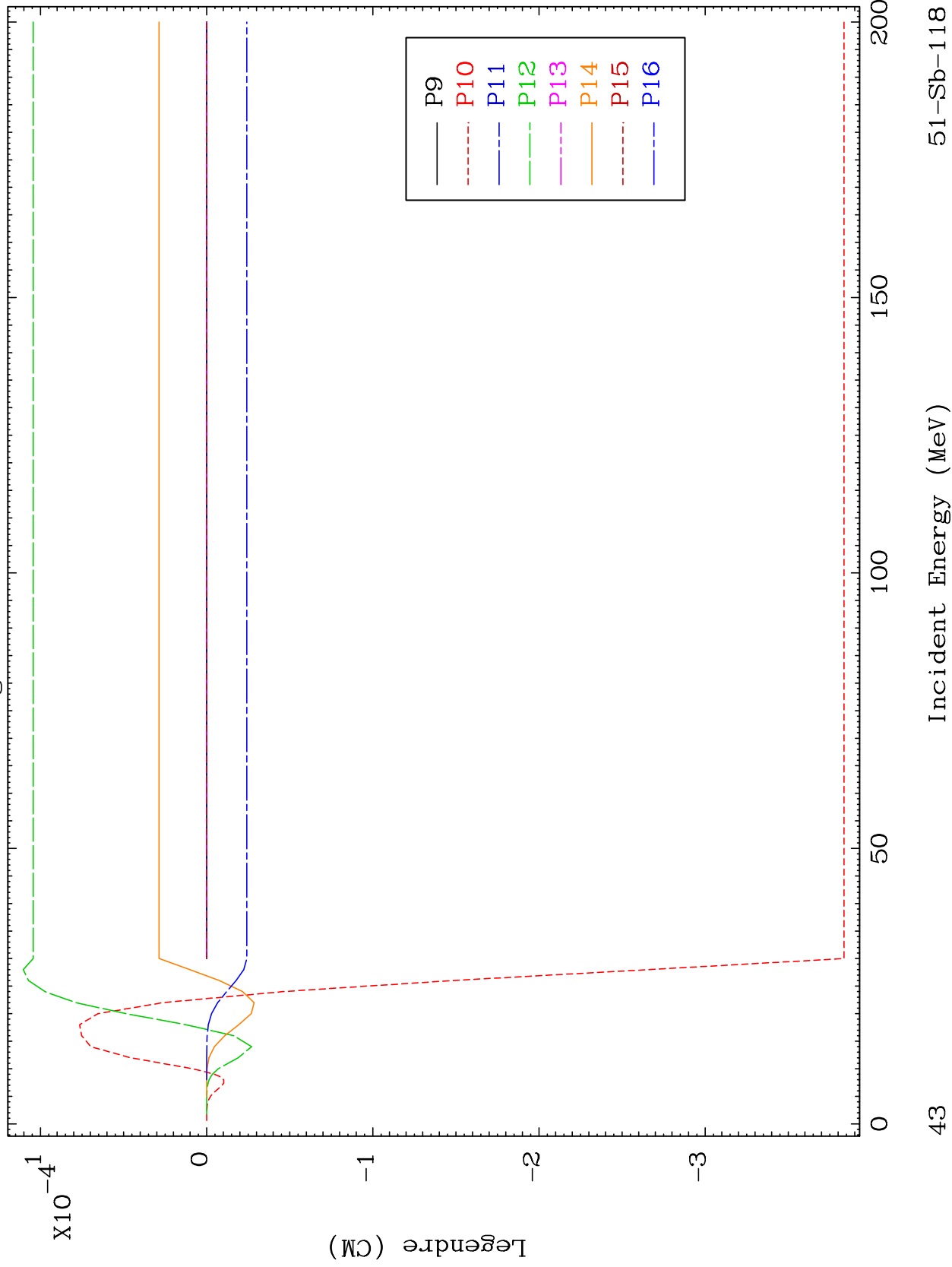
Incident Energy (MeV)

42

MAT 5116

51-Sb-118

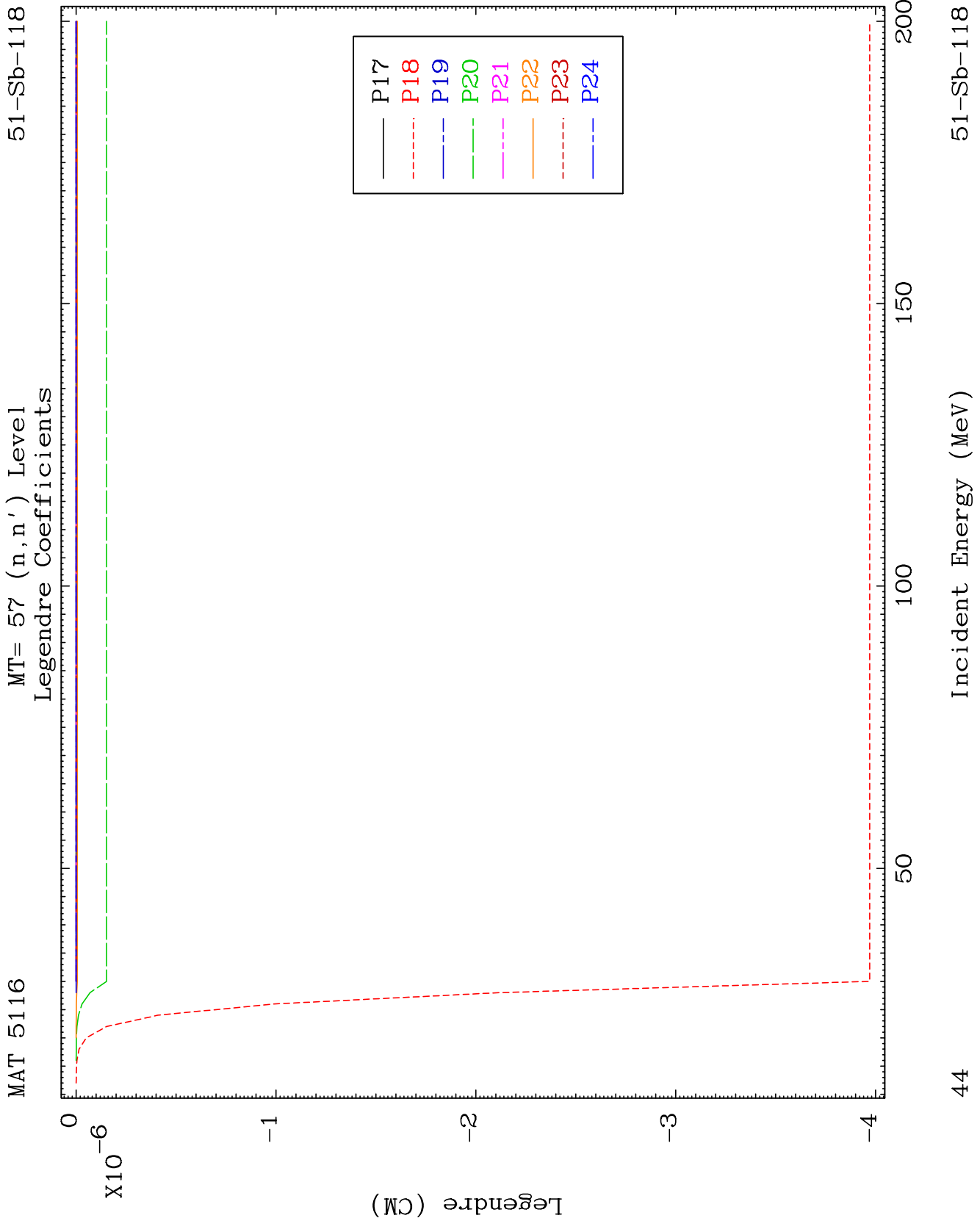
MT= 57 (n,n') Level  
Legendre Coefficients



51-Sb-118

Incident Energy (MeV)

43



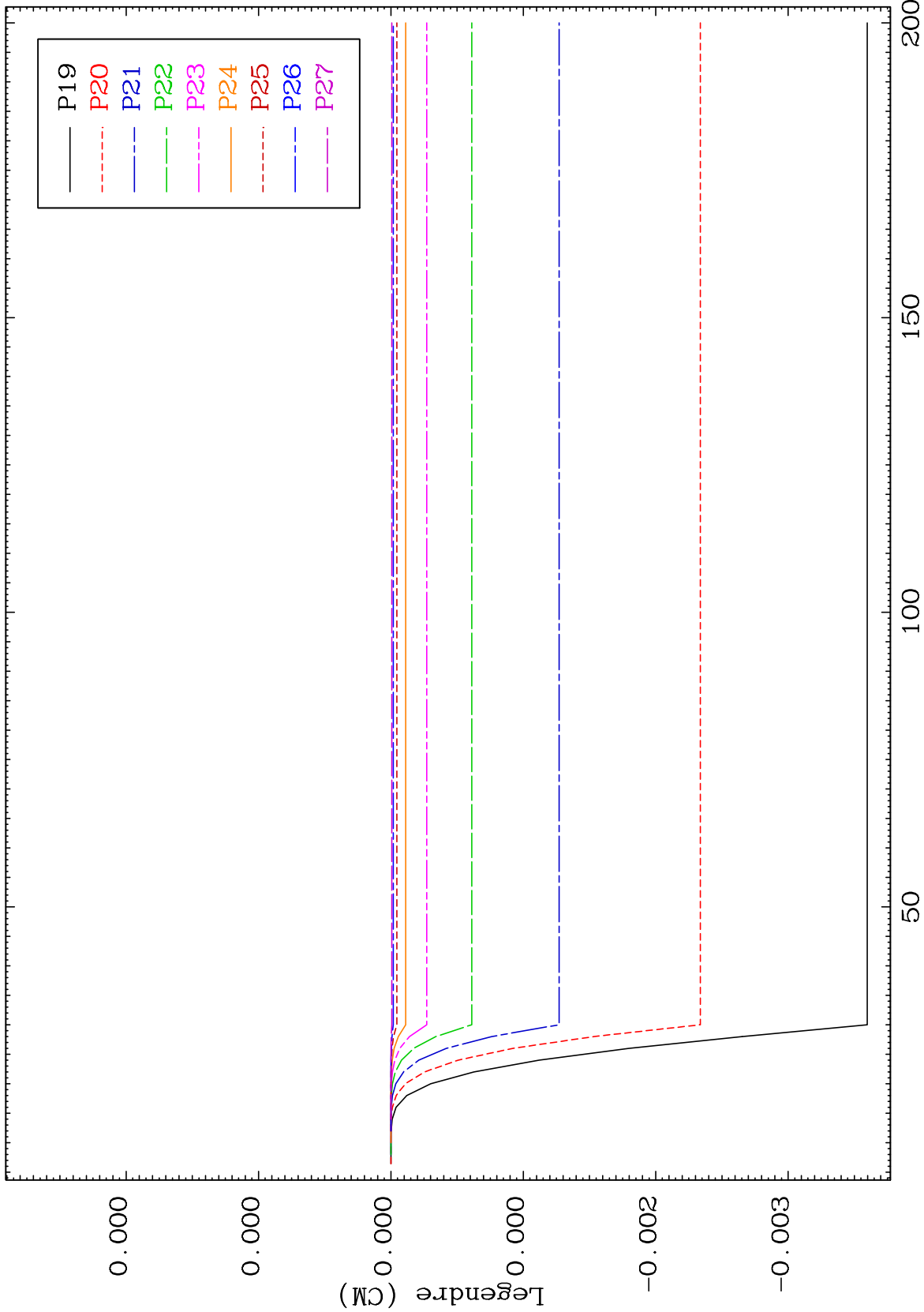




MAT 5116

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

51-Sb-118

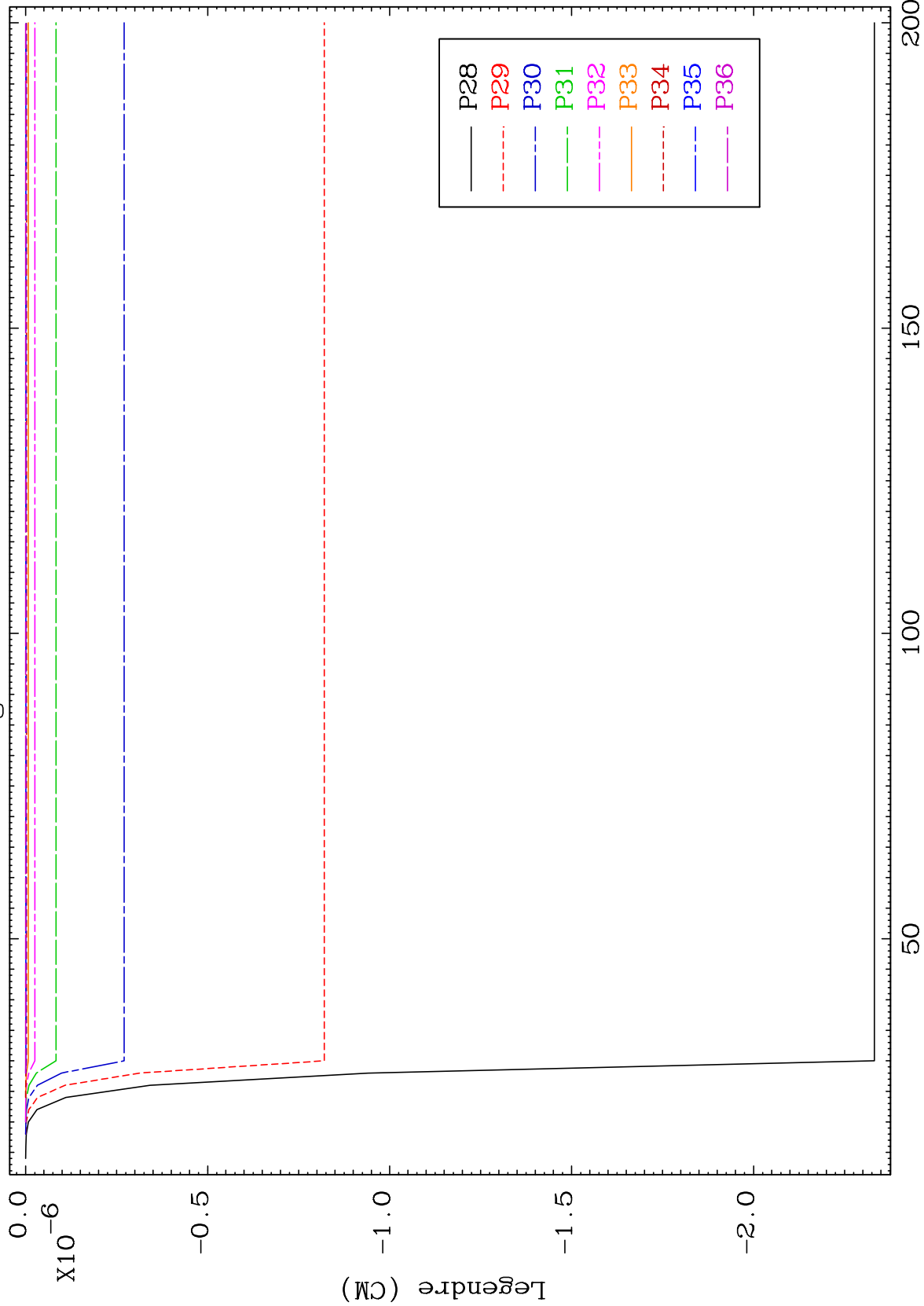


MAT 5116

MT= 58 (n,n') Level

51-Sb-118

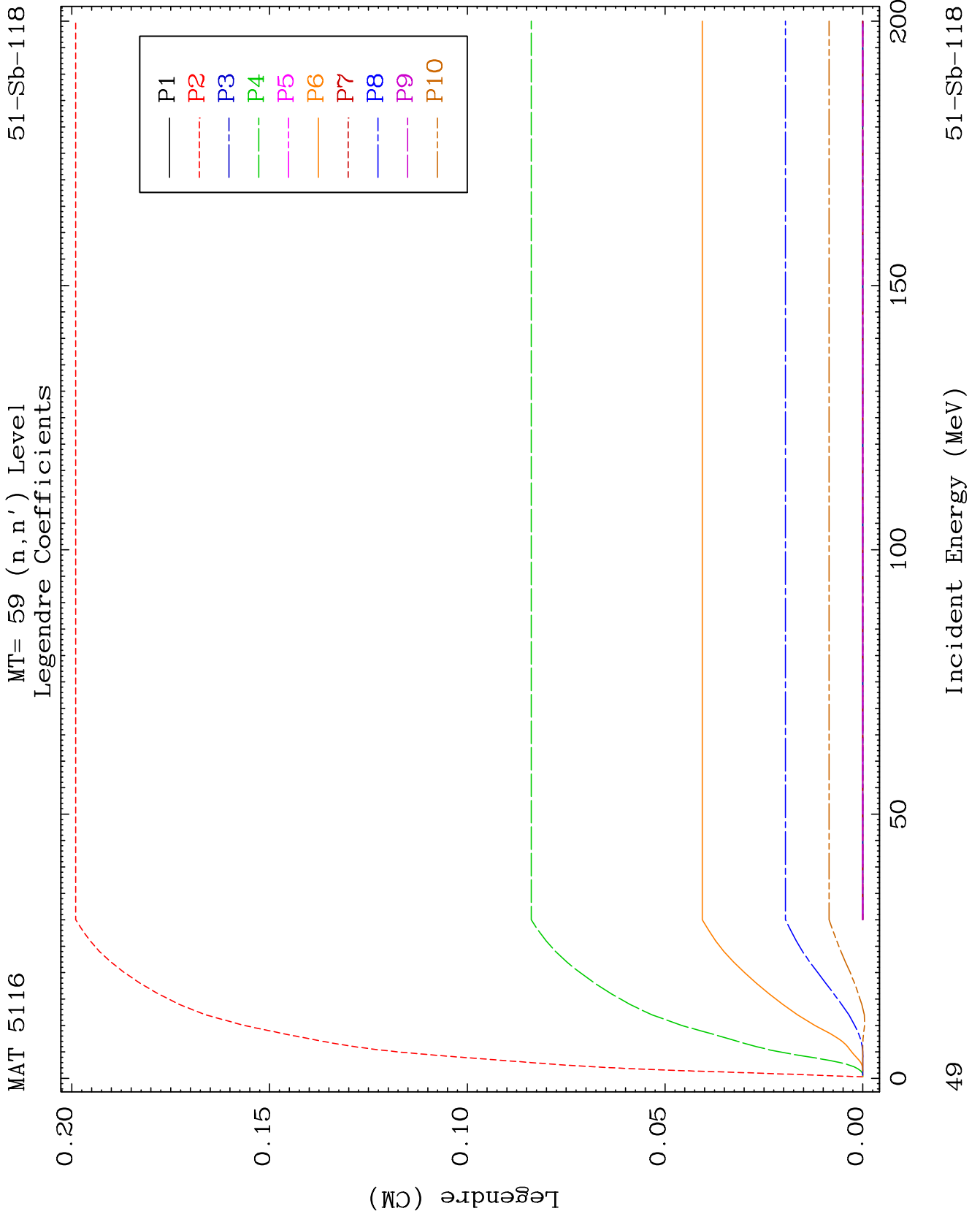
Legendre Coefficients



51-Sb-118

Incident Energy (MeV)

48



51-Sb-118

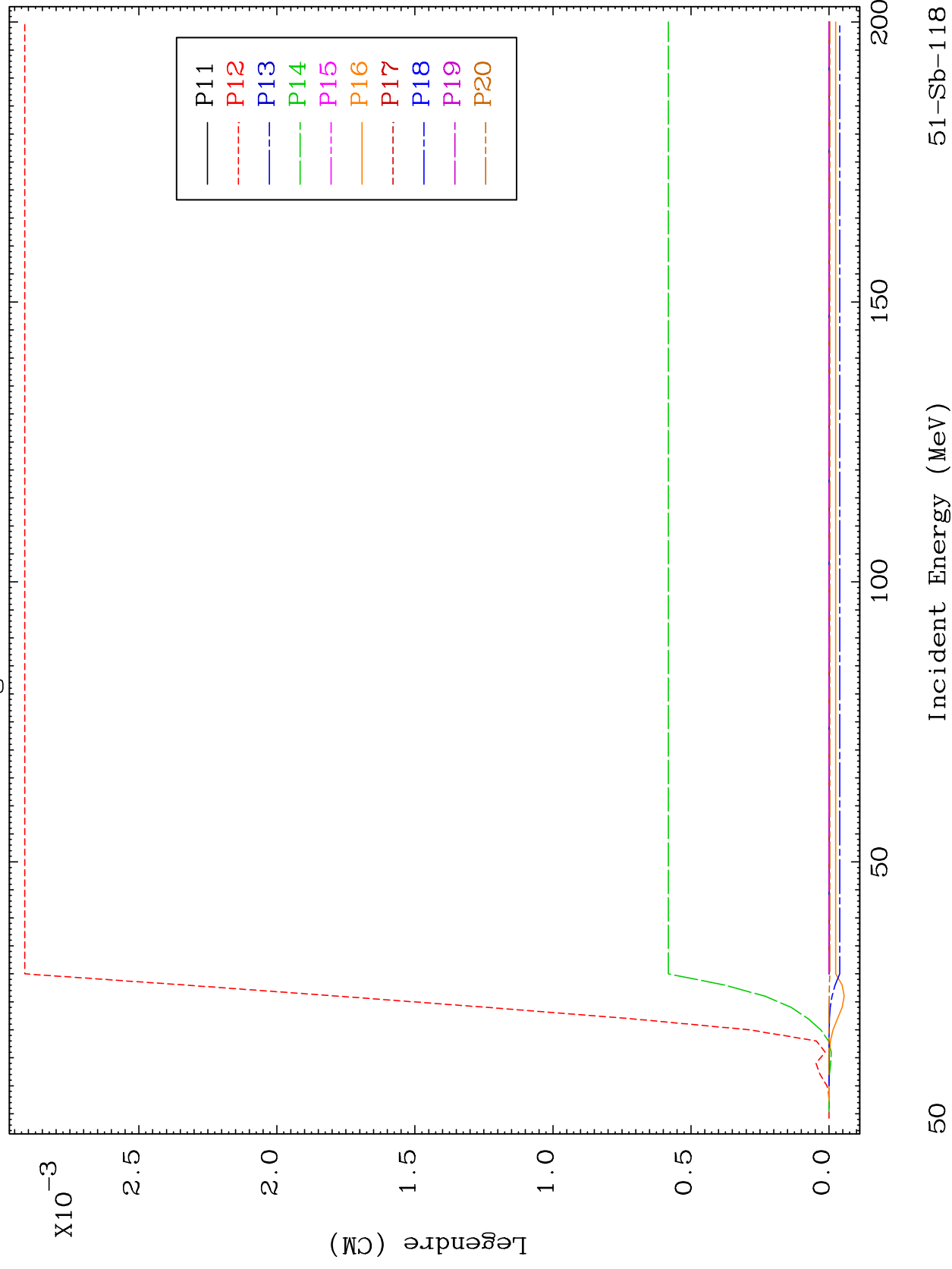
Incident Energy (MeV)

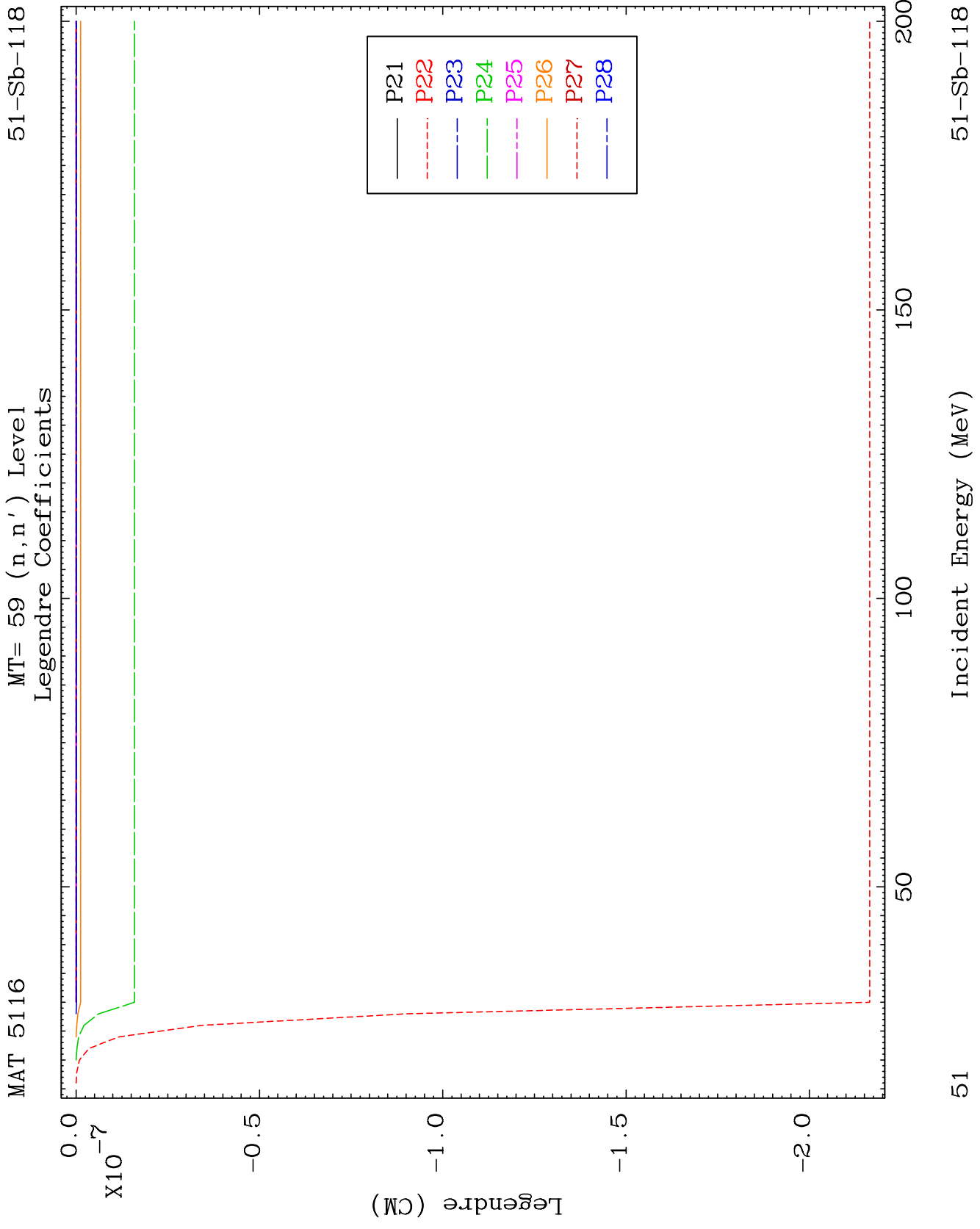
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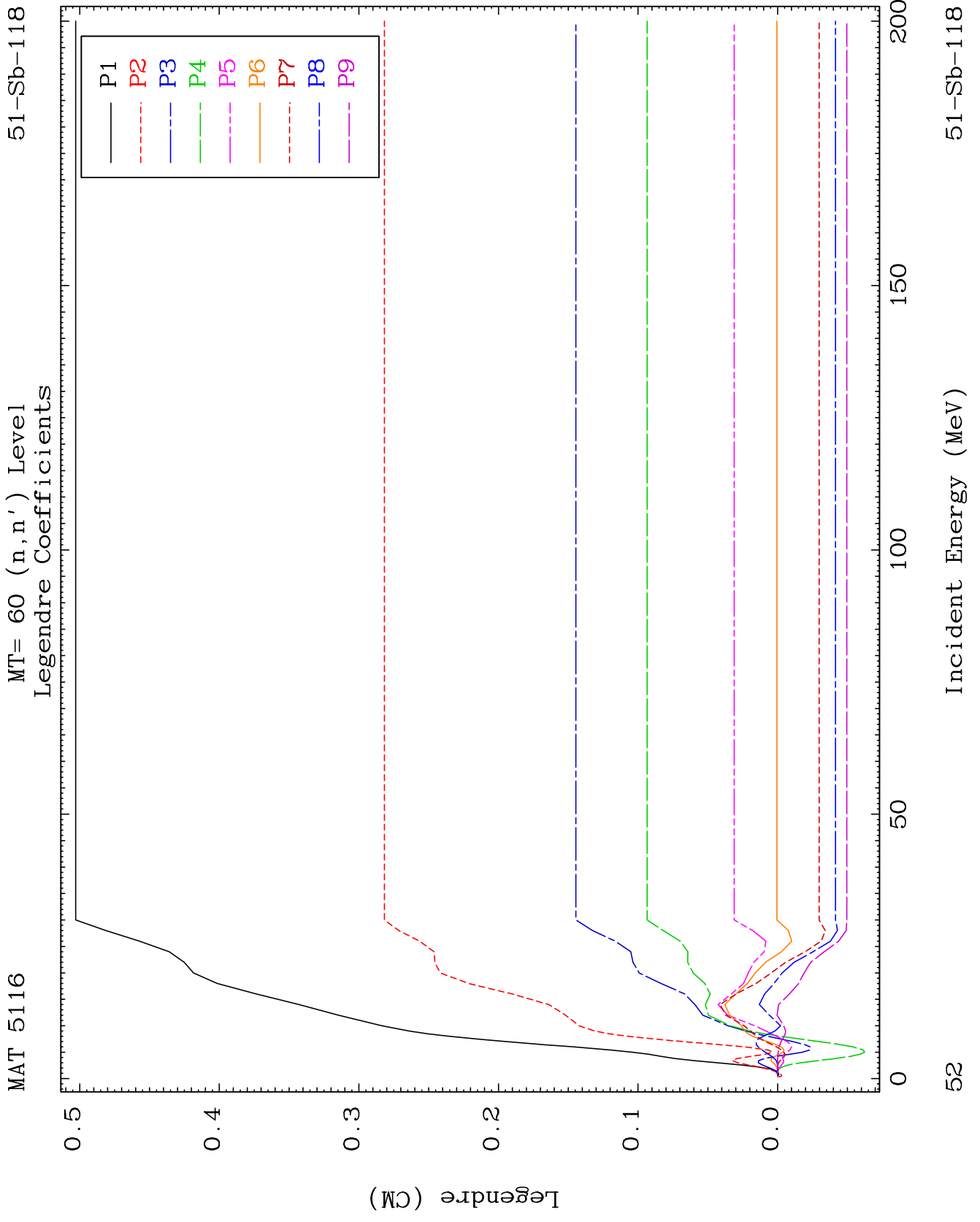
MAT 51116

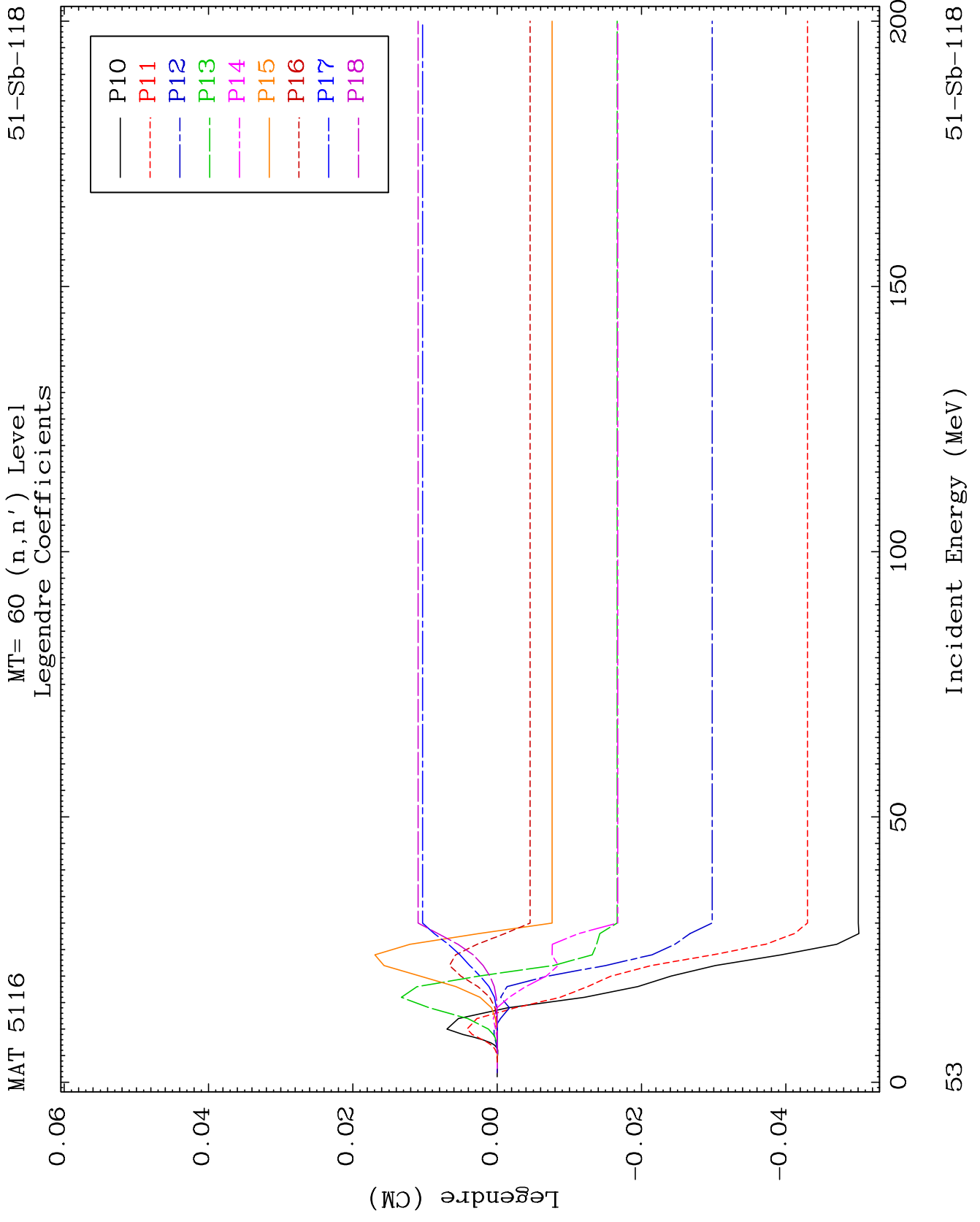
MT= 59 (n,n') Level  
Legendre Coefficients

51-Sb-118





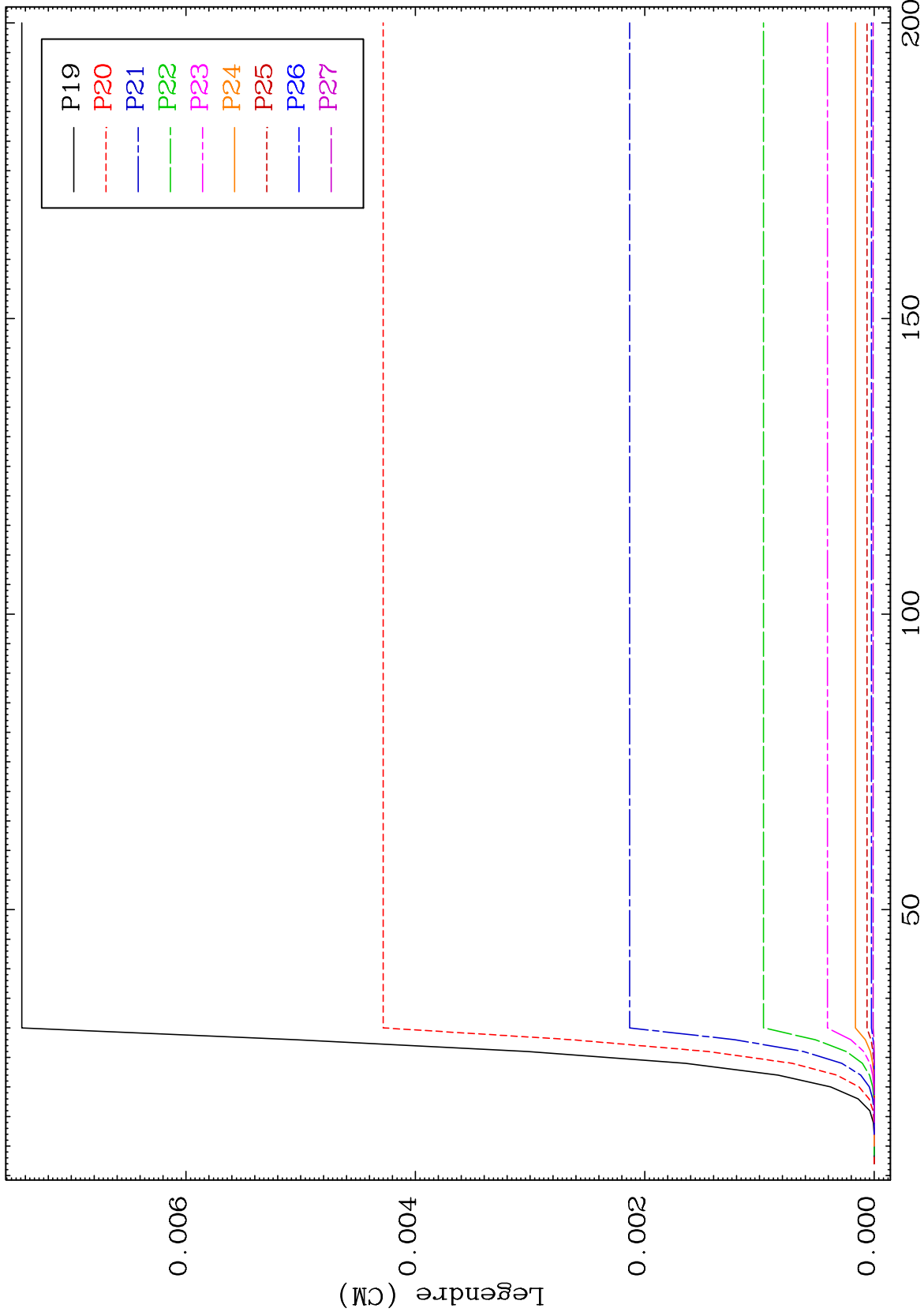




MAT 5116

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

51-Sb-118



54

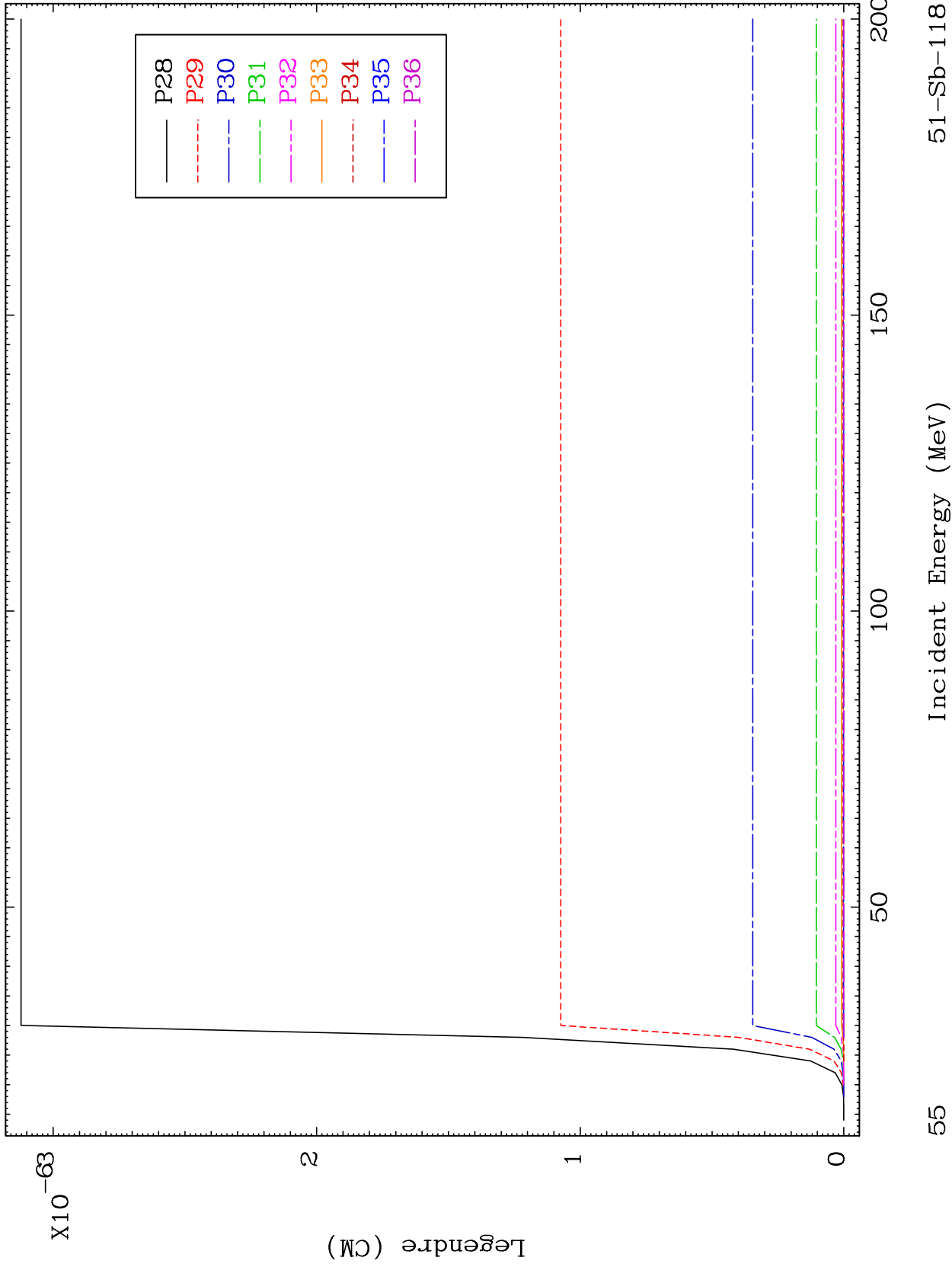
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



55

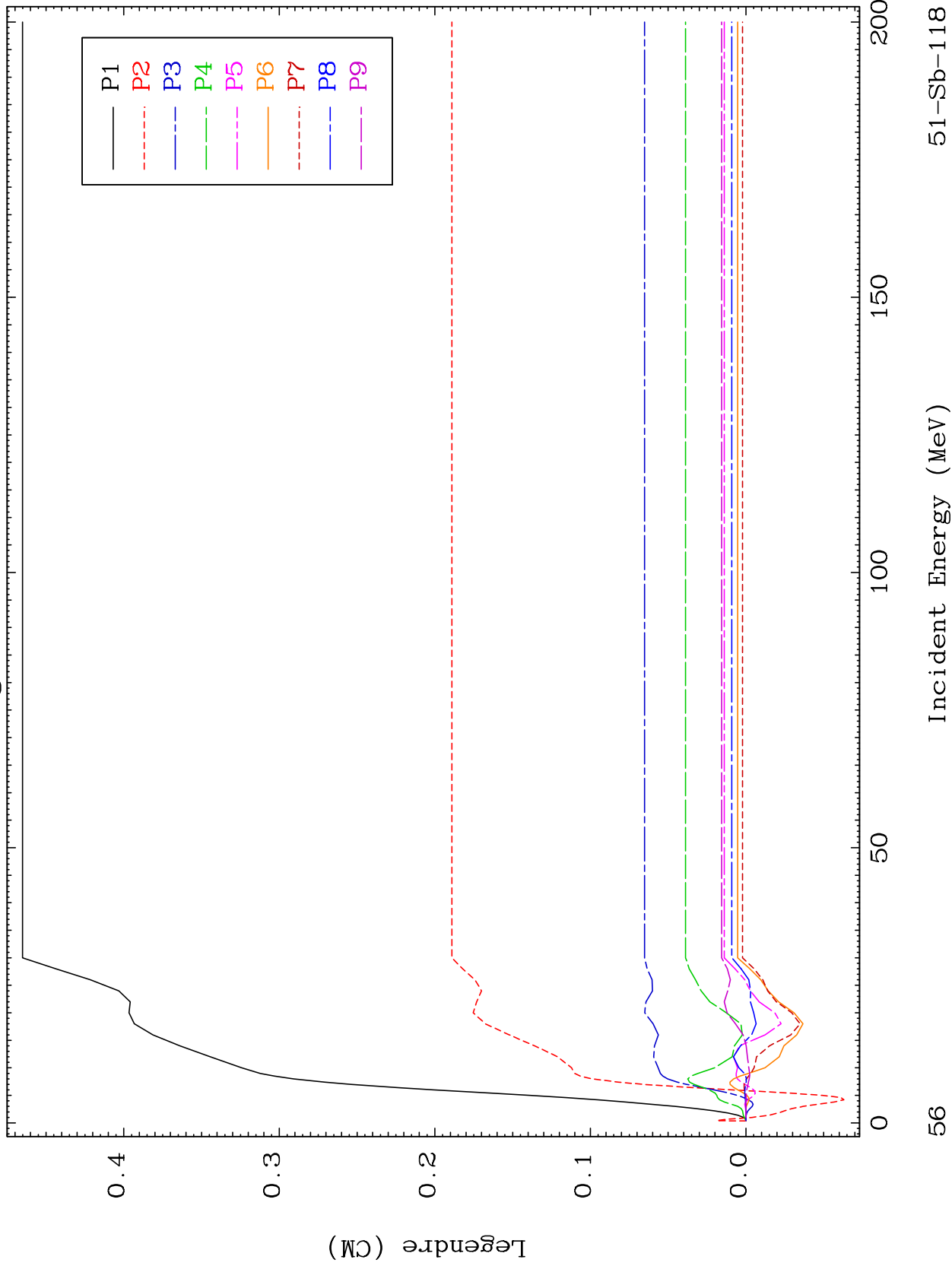
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



51-Sb-118

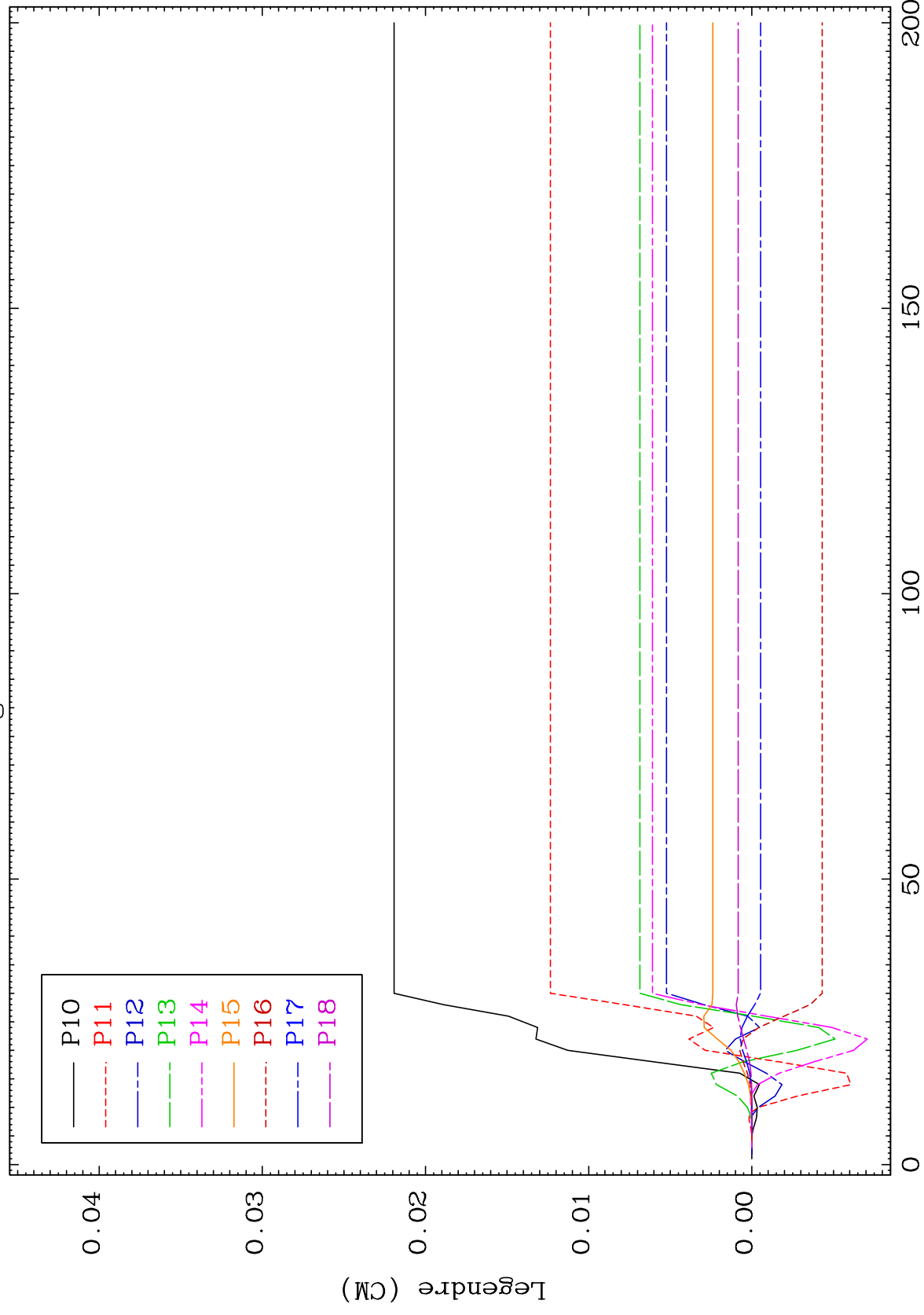
Incident Energy (MeV)

56

MAT 5116

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

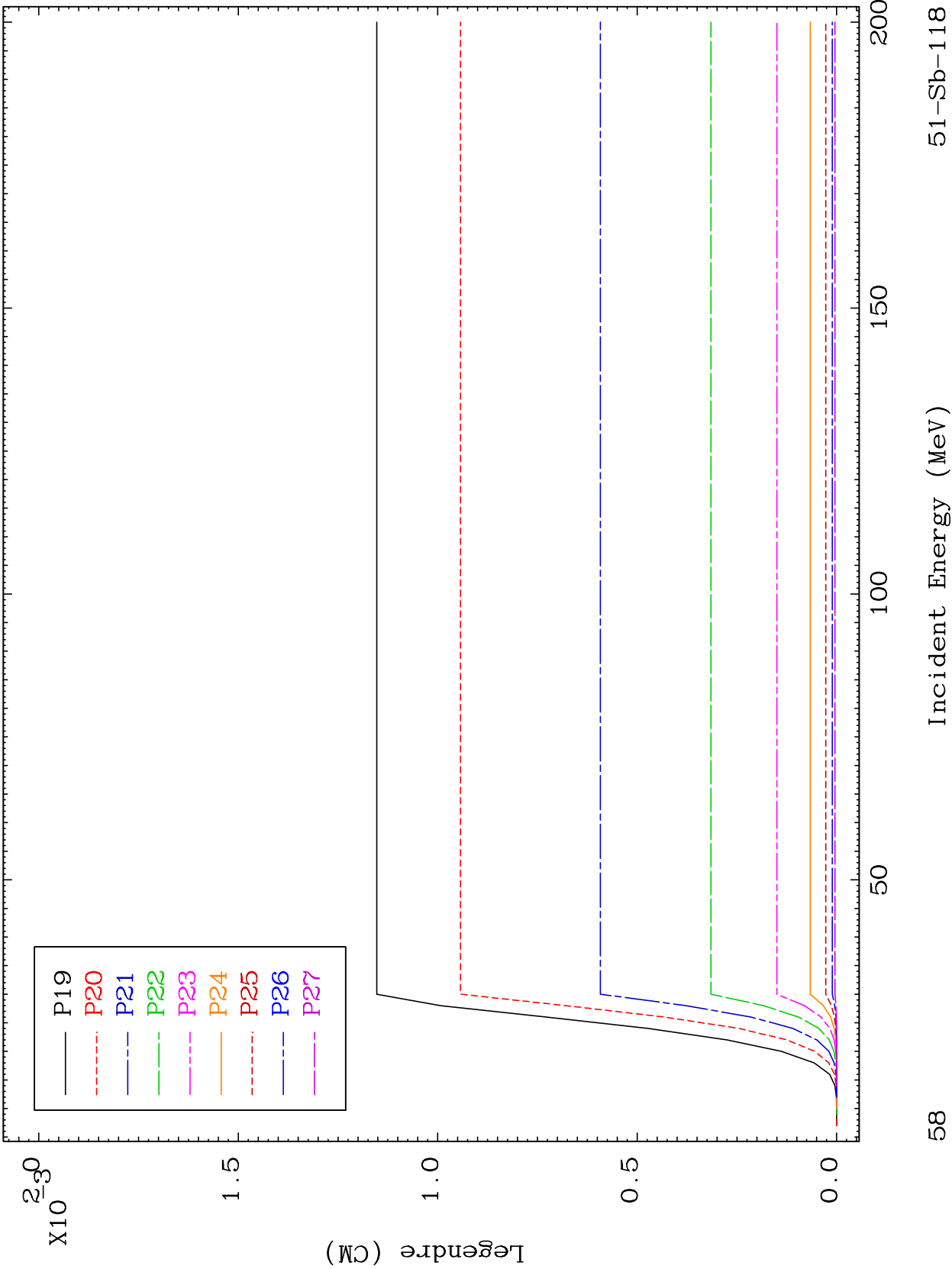
51-Sb-118



57

Incident Energy (MeV)

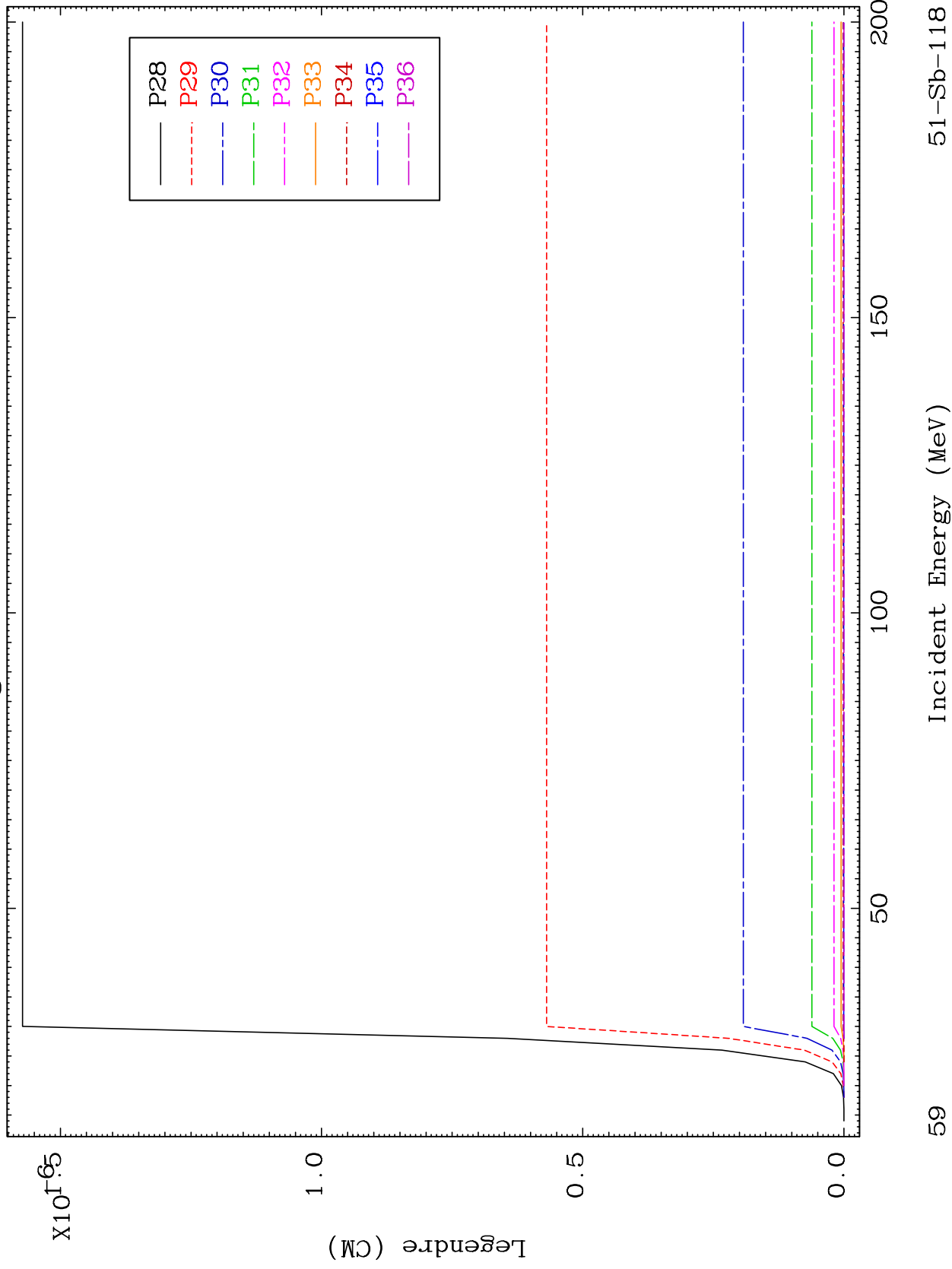
51-Sb-118



MAT 5116

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

51-Sb-118



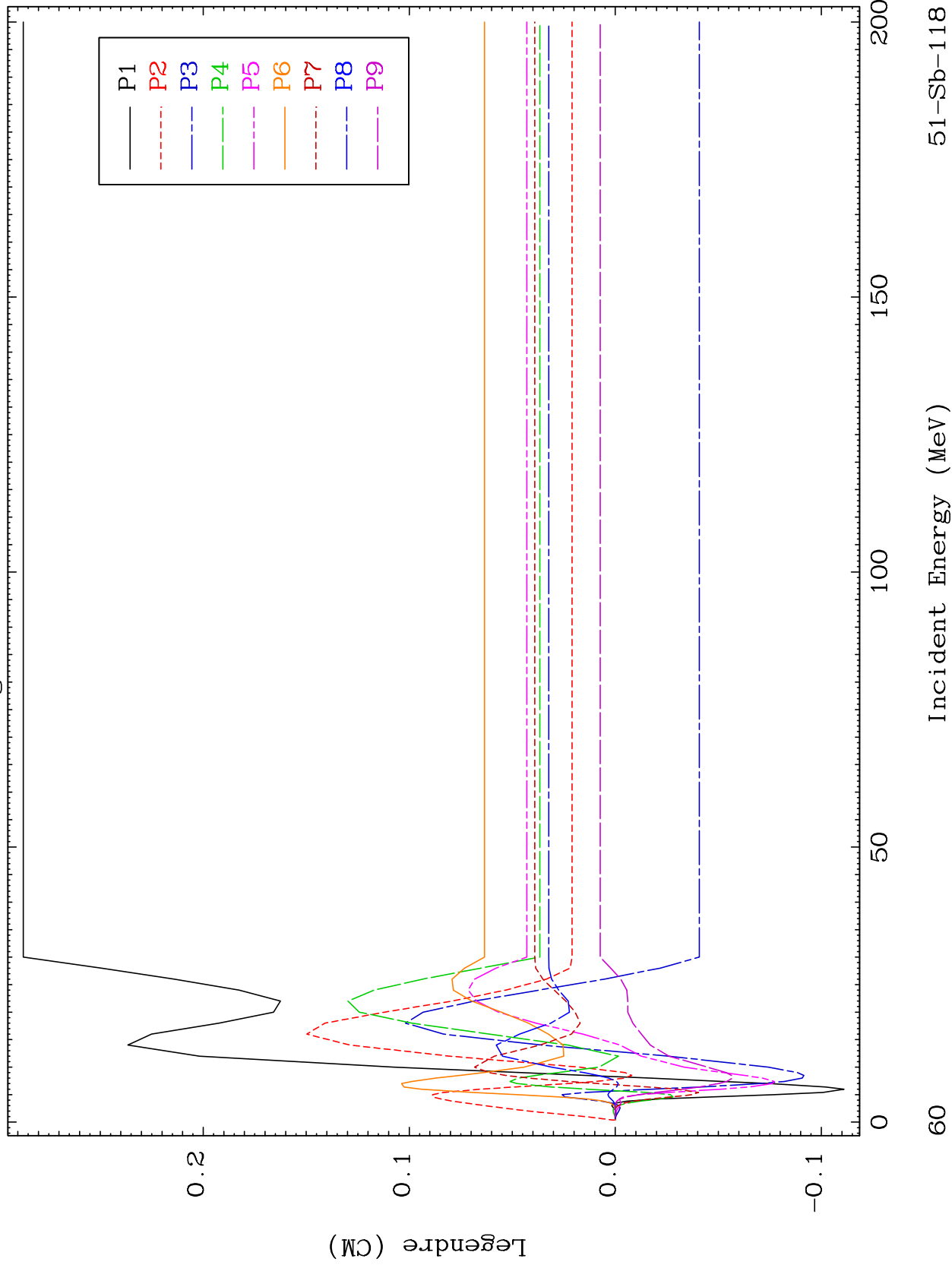
59

51-Sb-118

MAT 5116

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

51-Sb-118



51-Sb-118

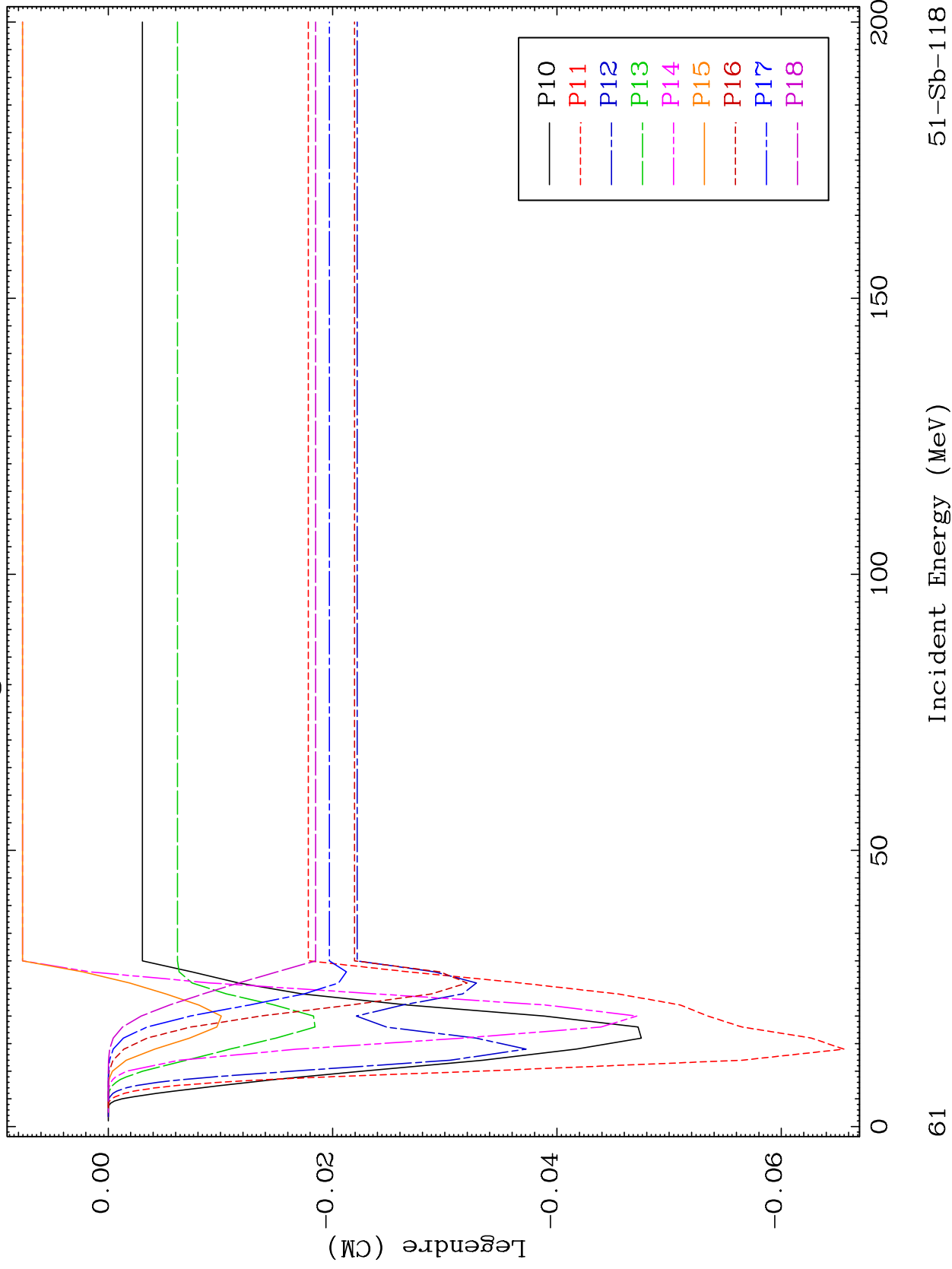
Incident Energy (MeV)

60

MAT 5116

51-Sb-118

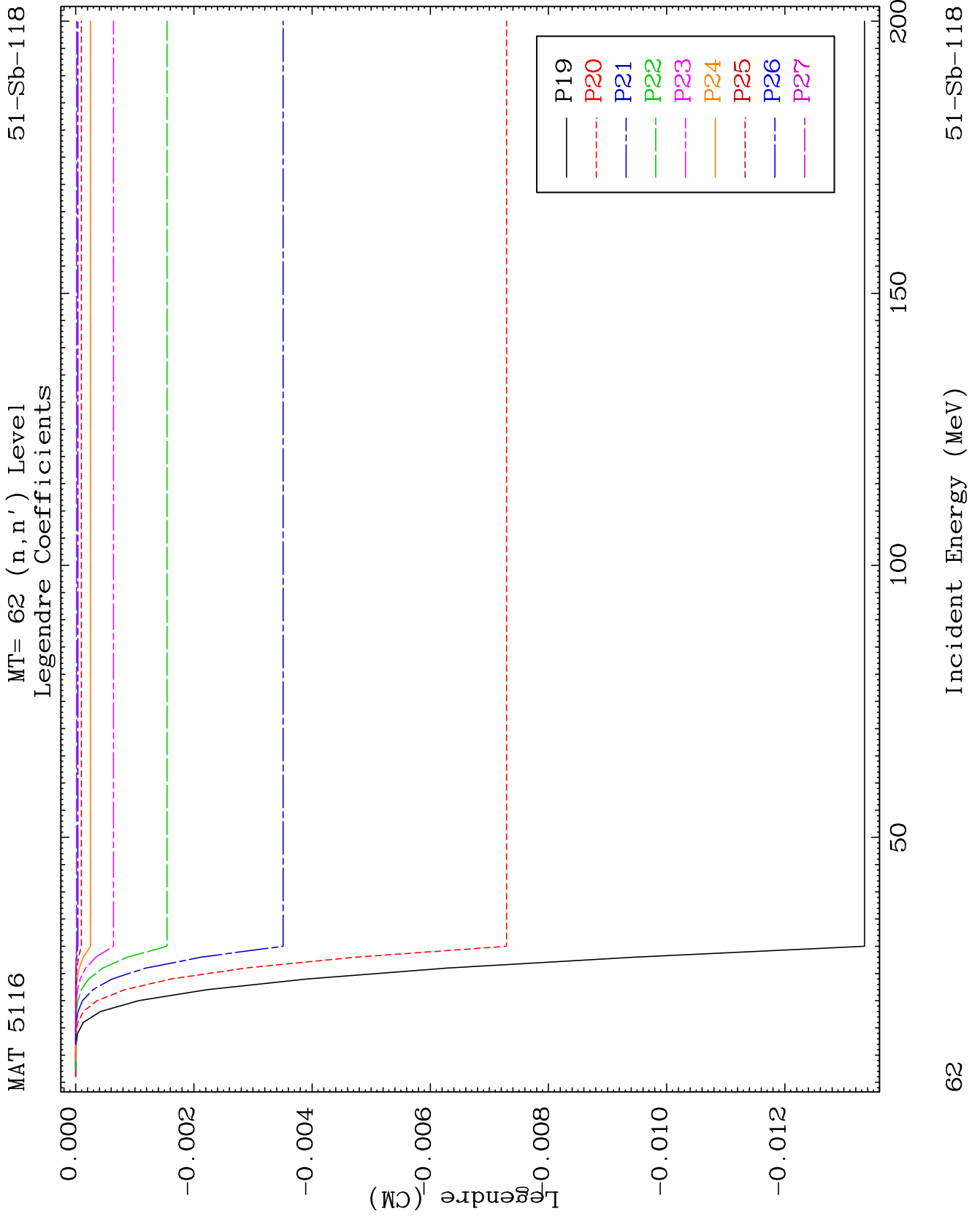
MT= 62 (n,n') Level  
Legendre Coefficients

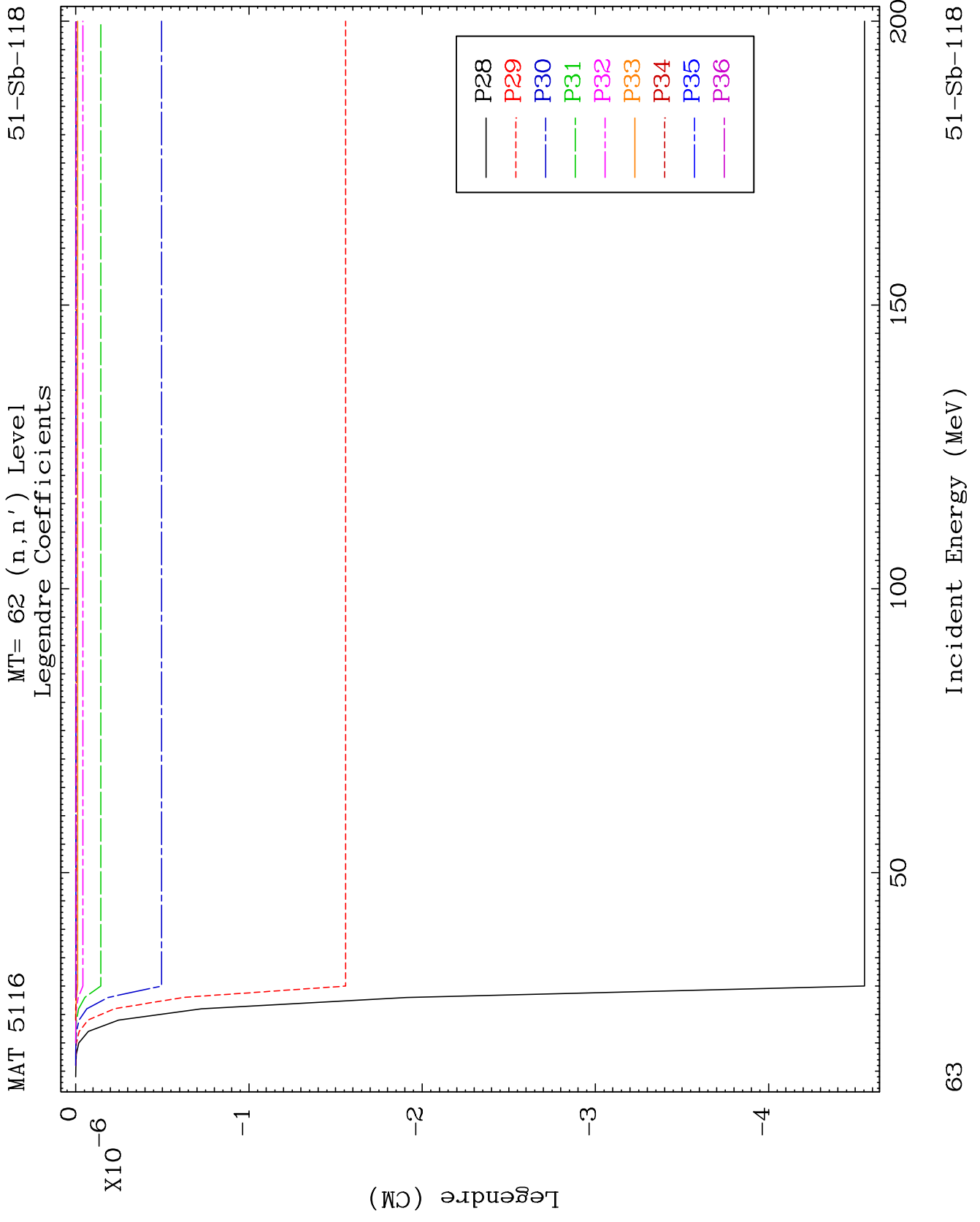


51-Sb-118

Incident Energy (MeV)

61

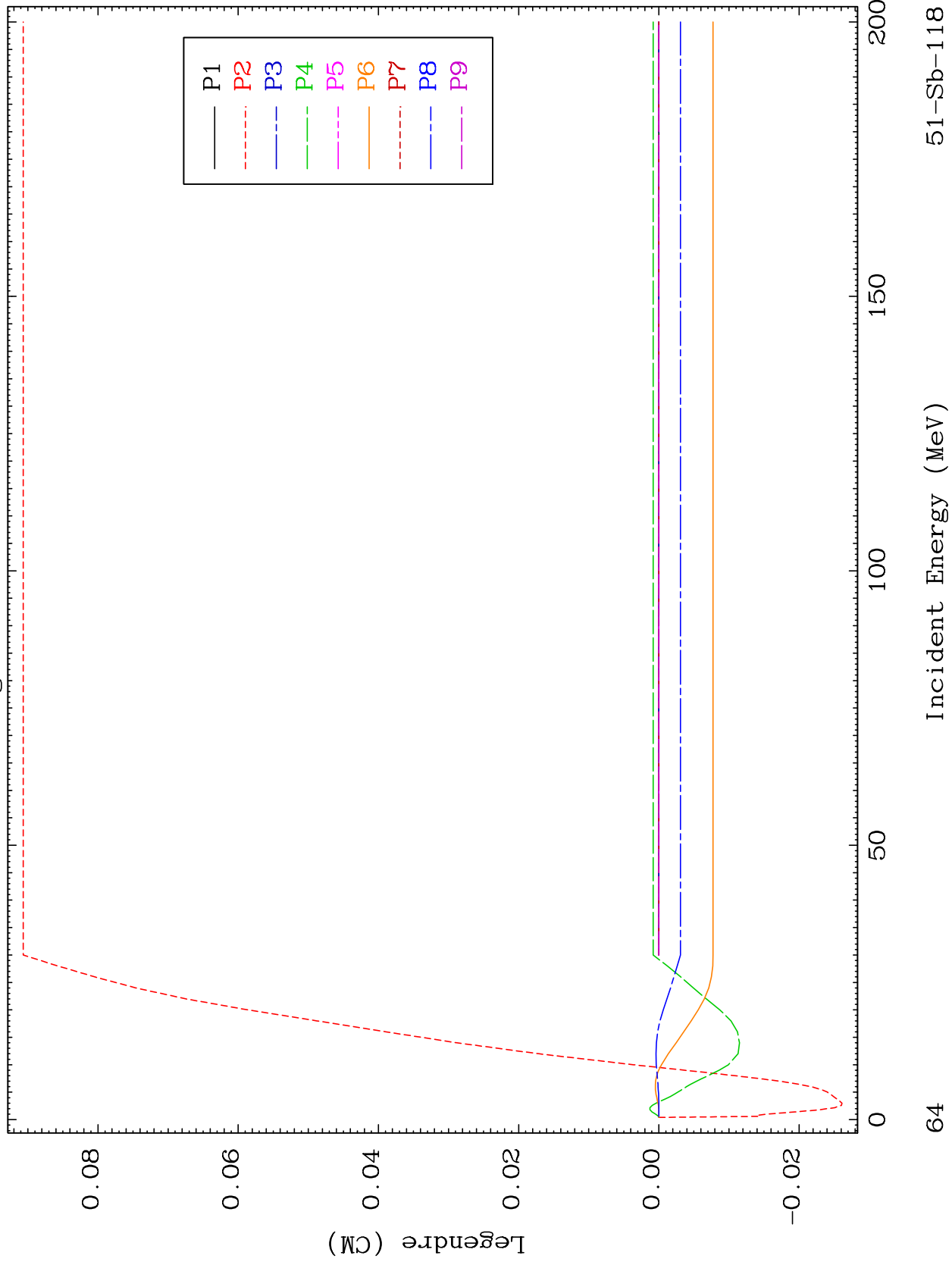




MAT 5116

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

51-Sb-118



51-Sb-118

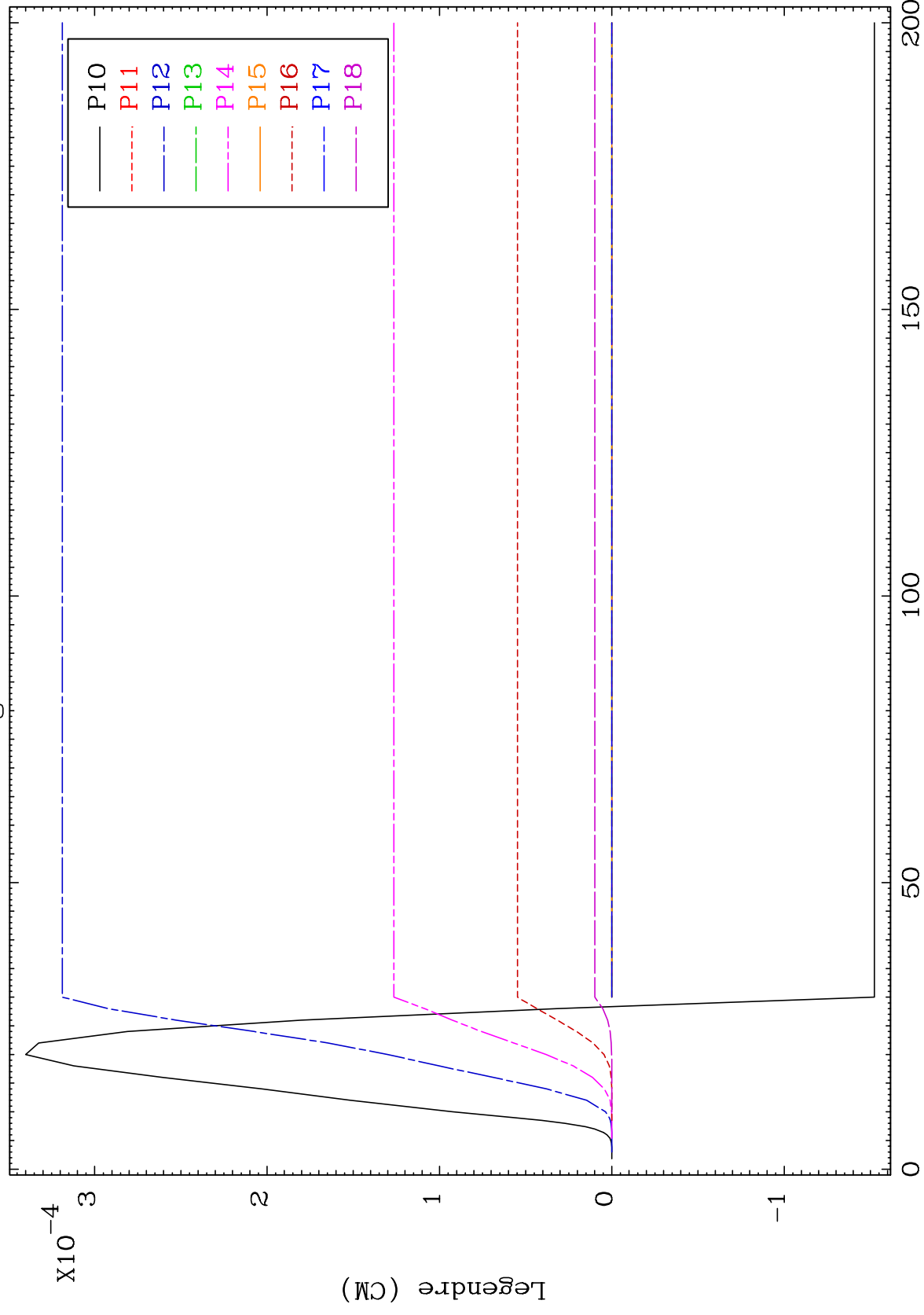
Incident Energy (MeV)

64

MAT 5116

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

51-Sb-118



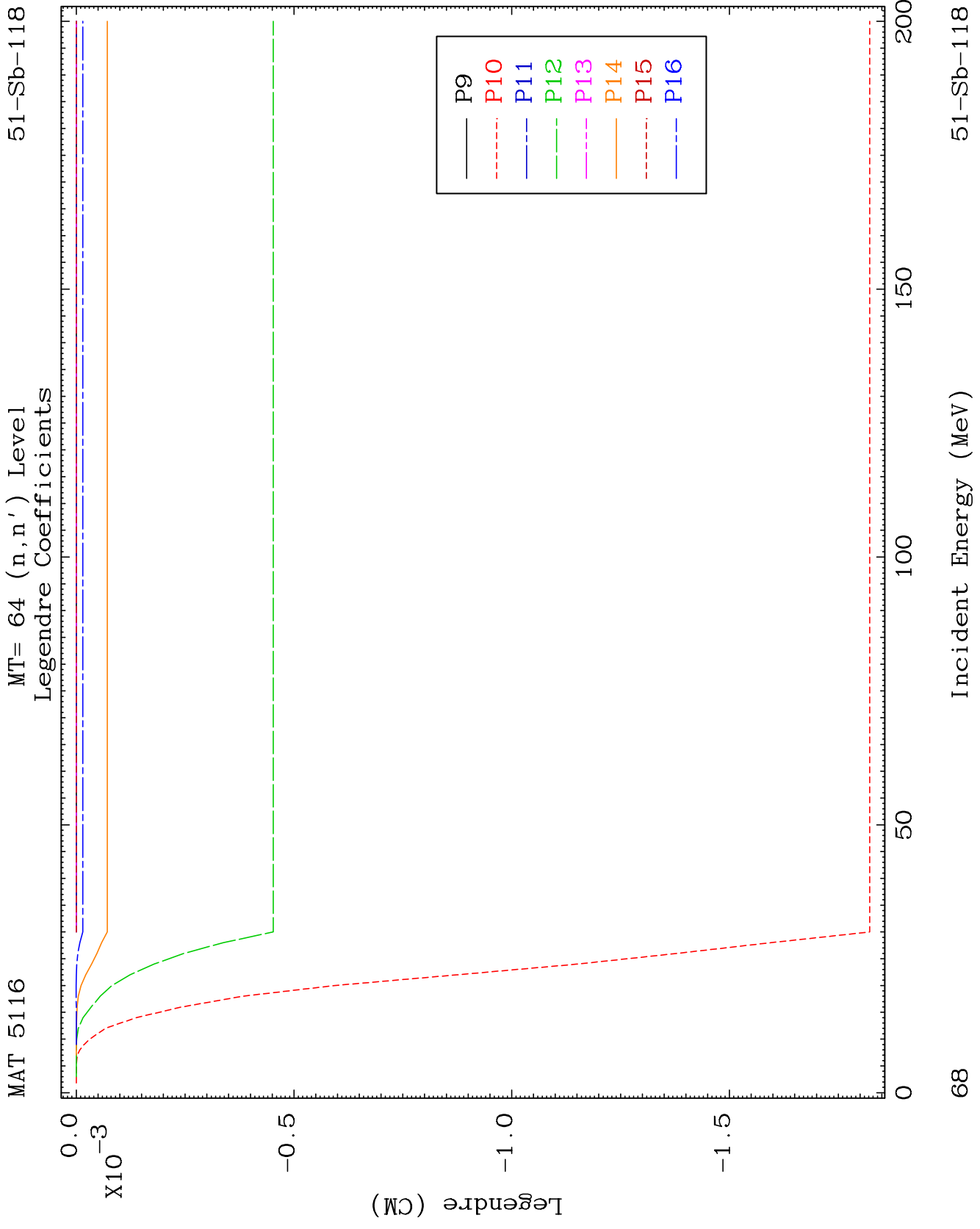
65

51-Sb-118

51-Sb-118



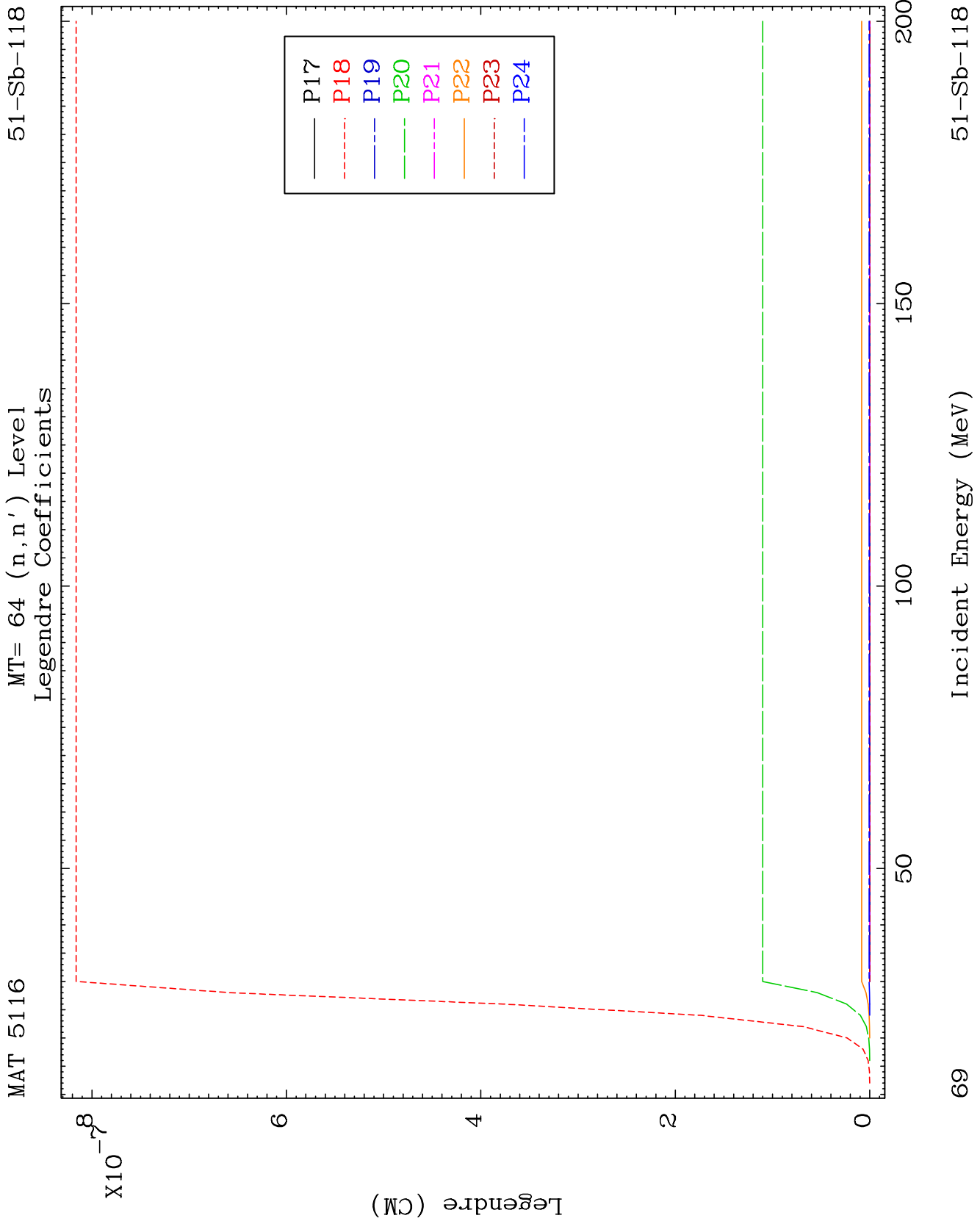




51-Sb-118

Incident Energy (MeV)

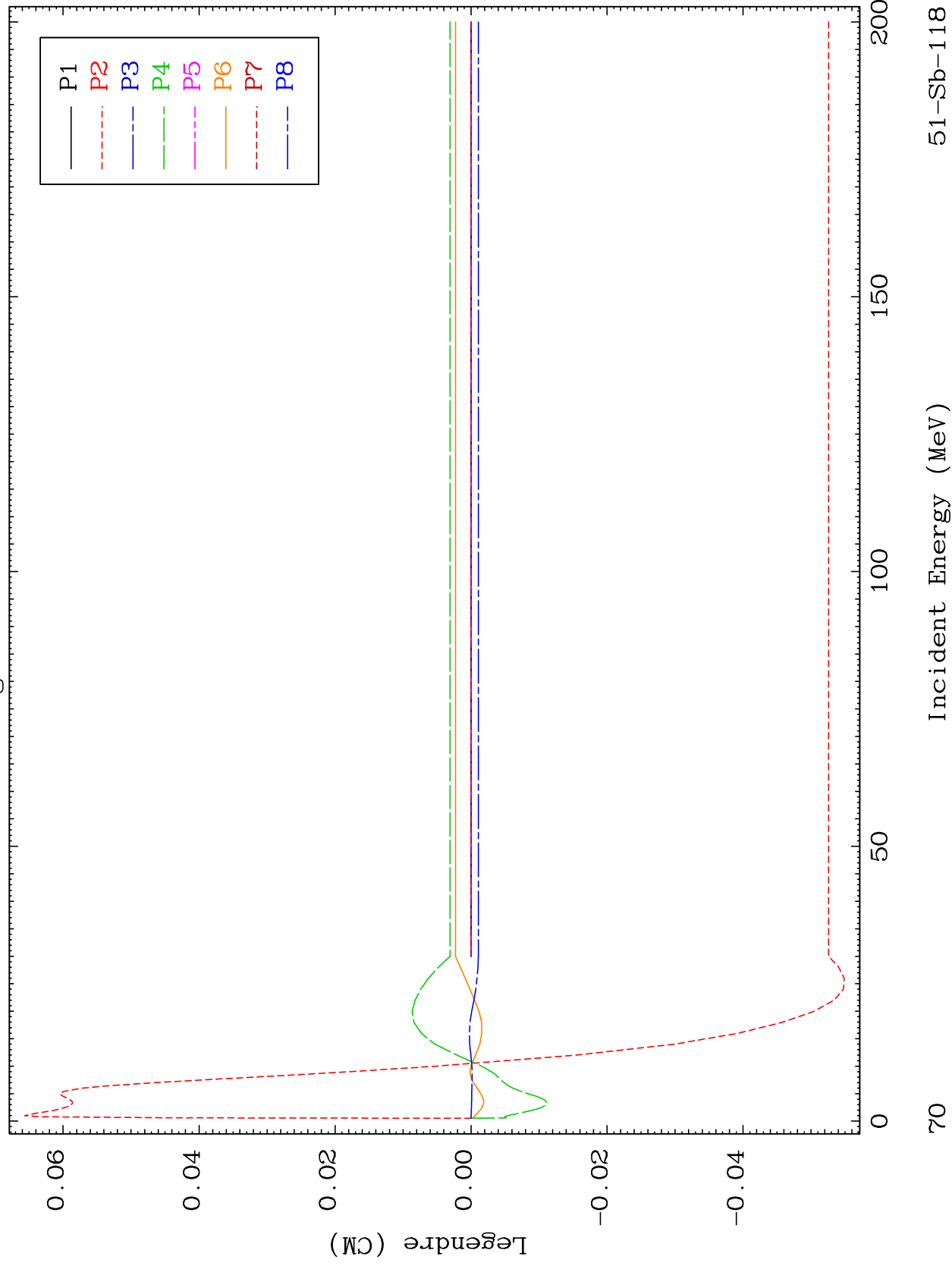
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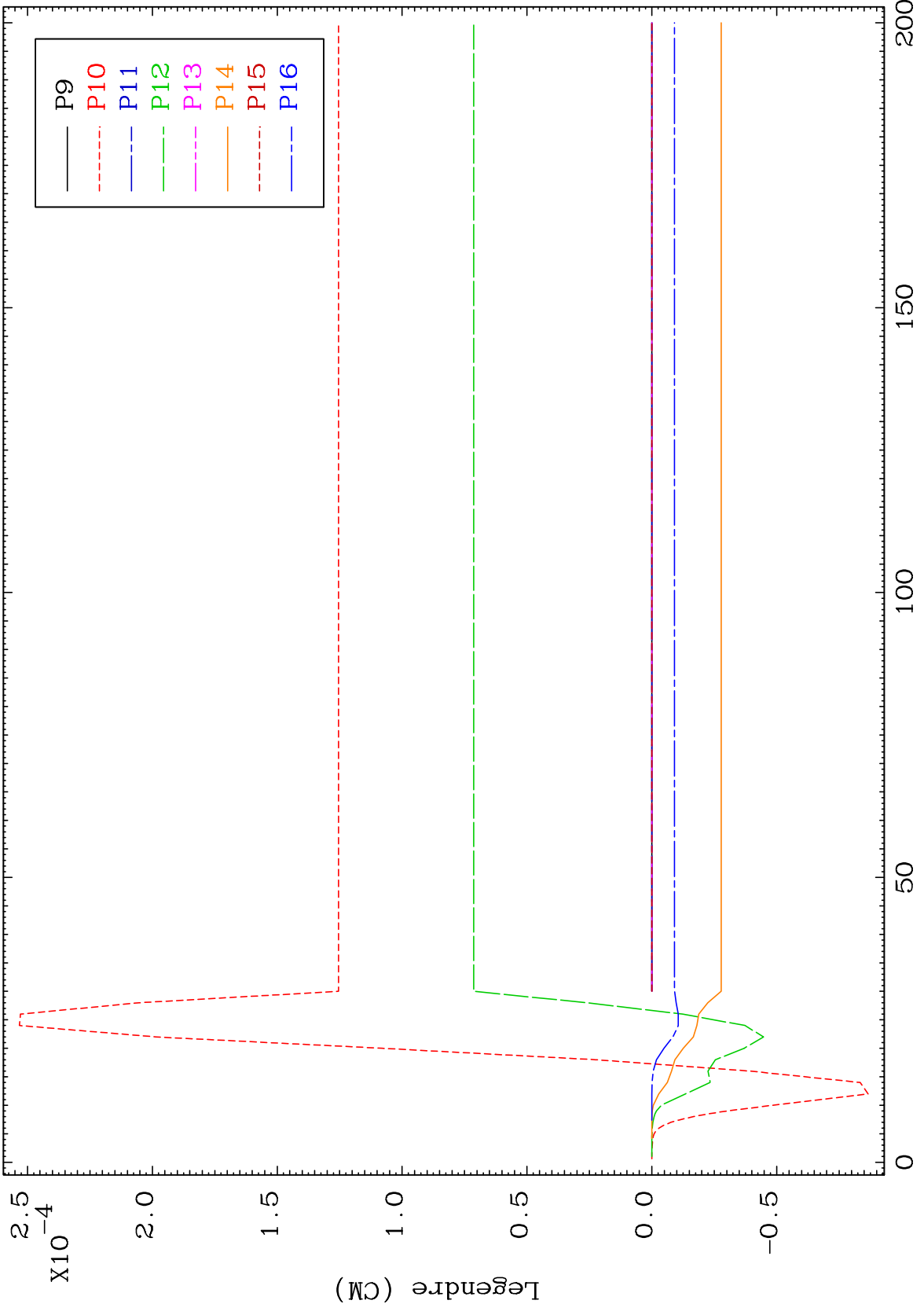


MAT 51116

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

51-Sb-118

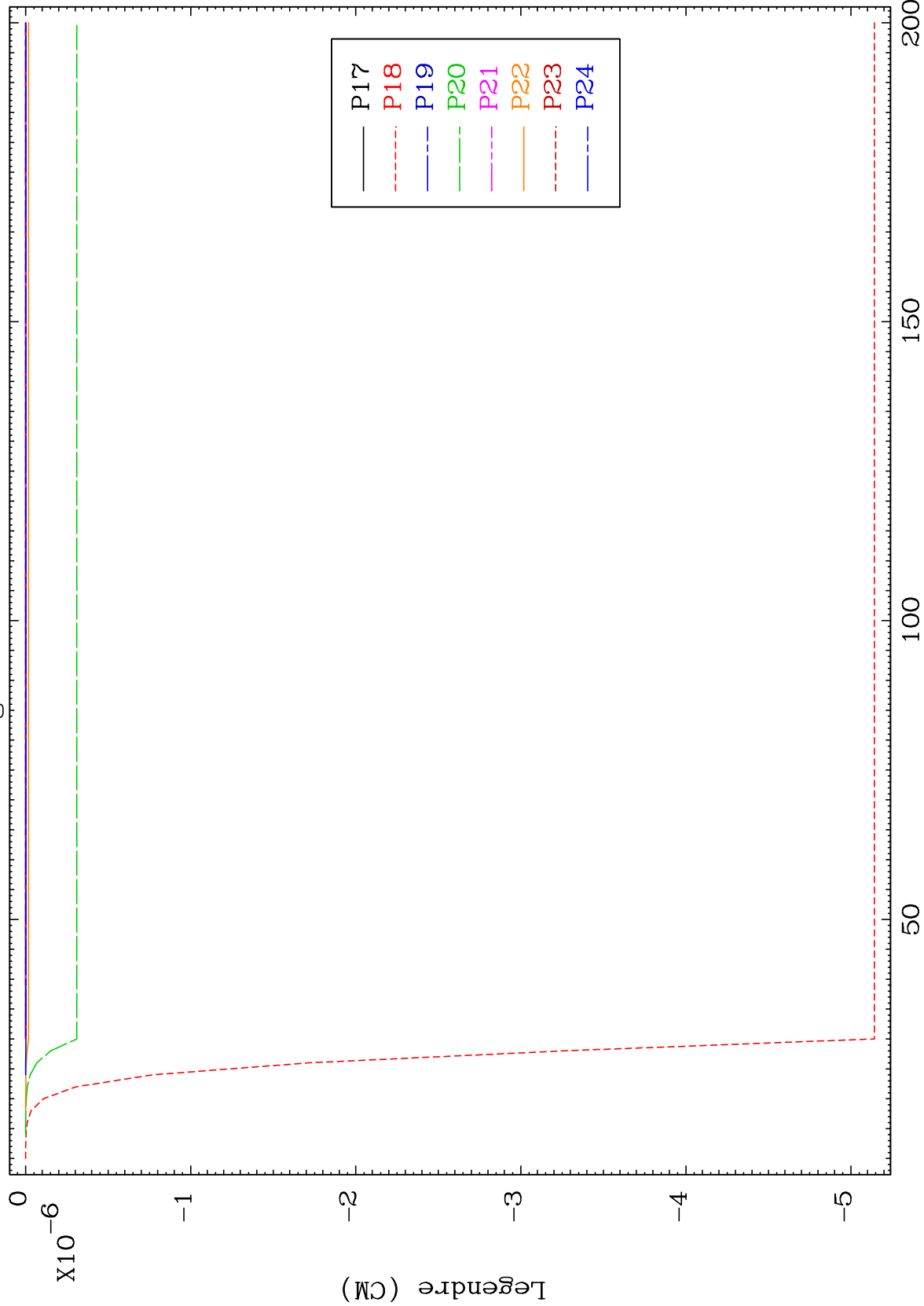




MAT 5116

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

51-Sb-118

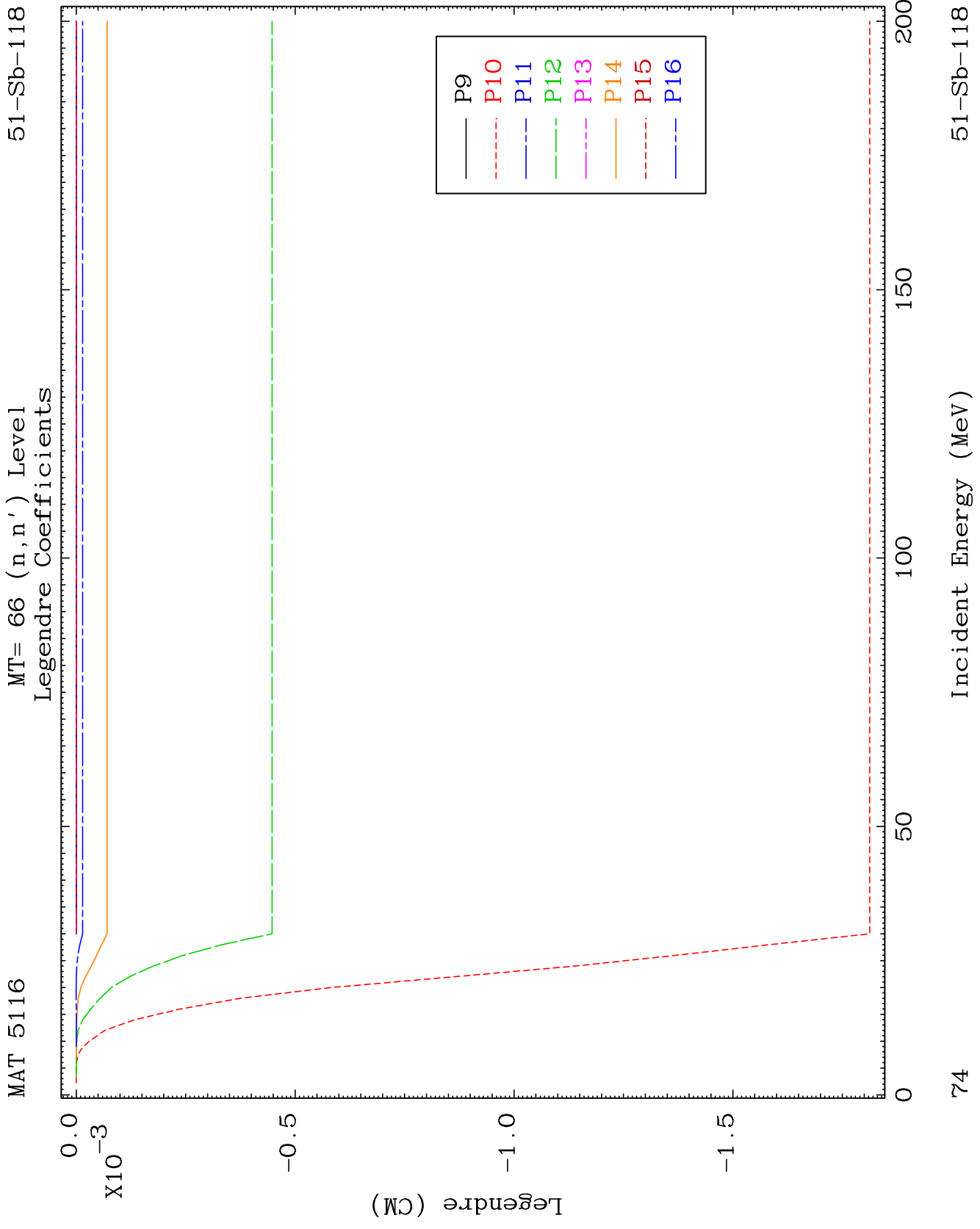


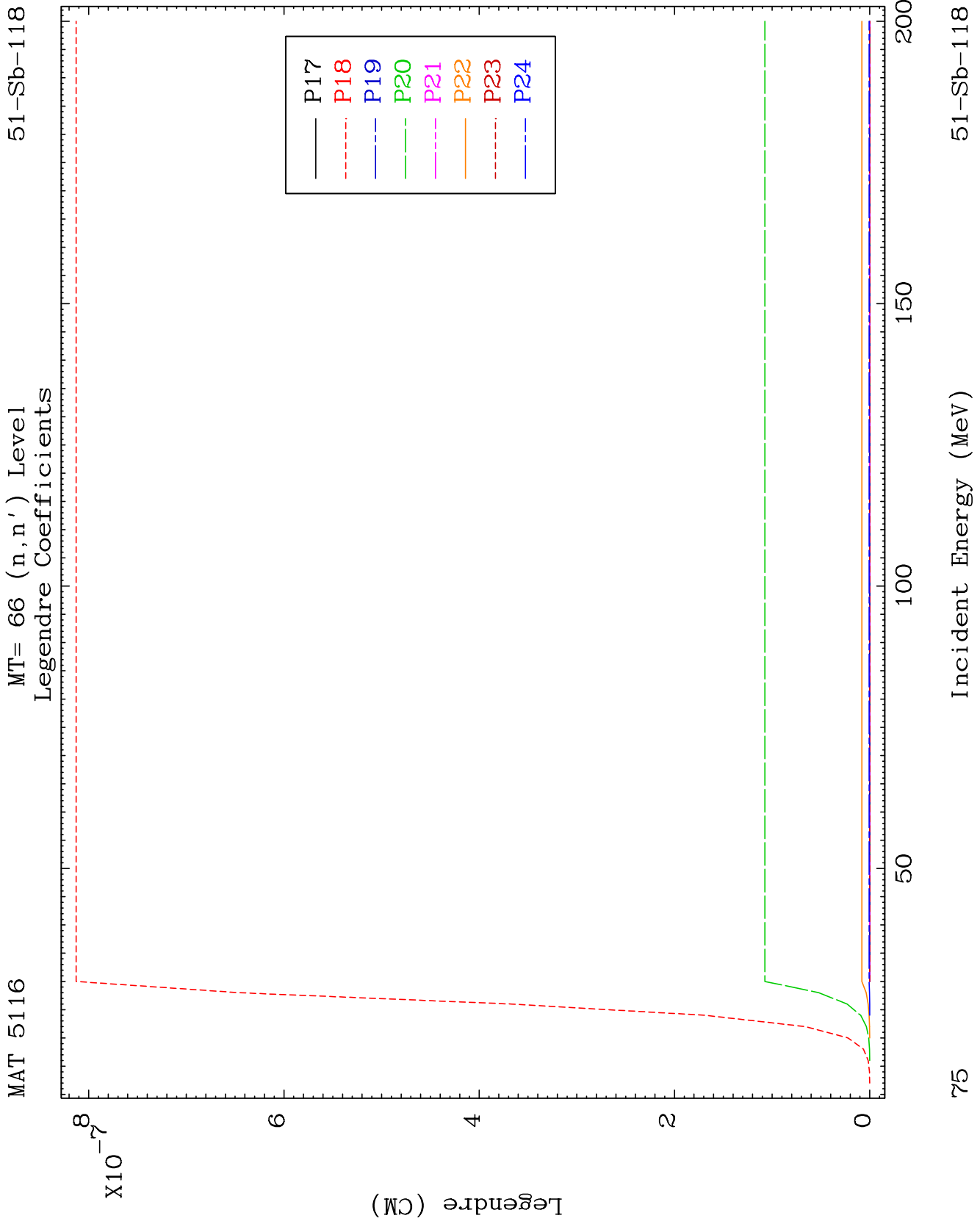
51-Sb-118

Incident Energy (MeV)

72





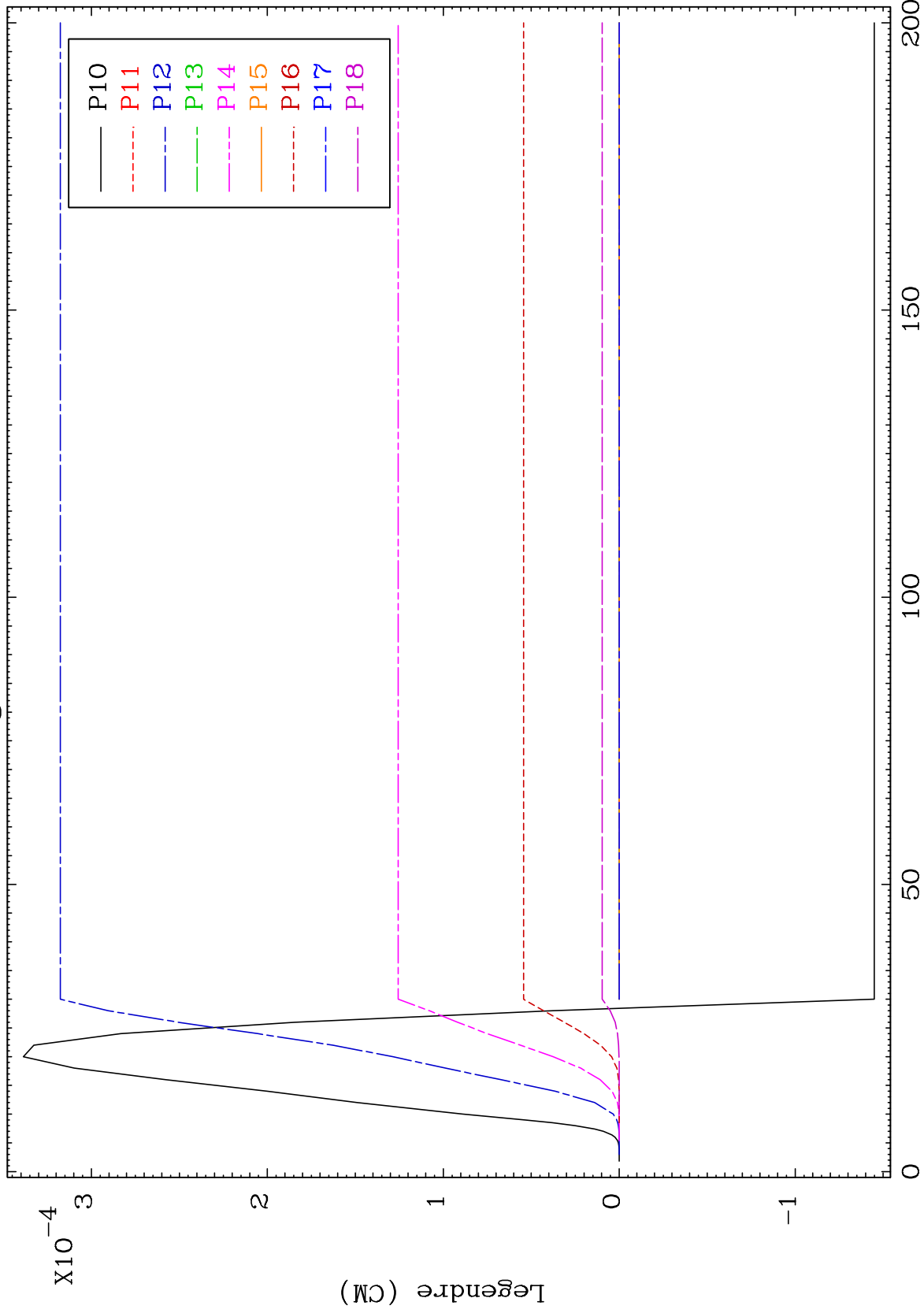




MAT 5116

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

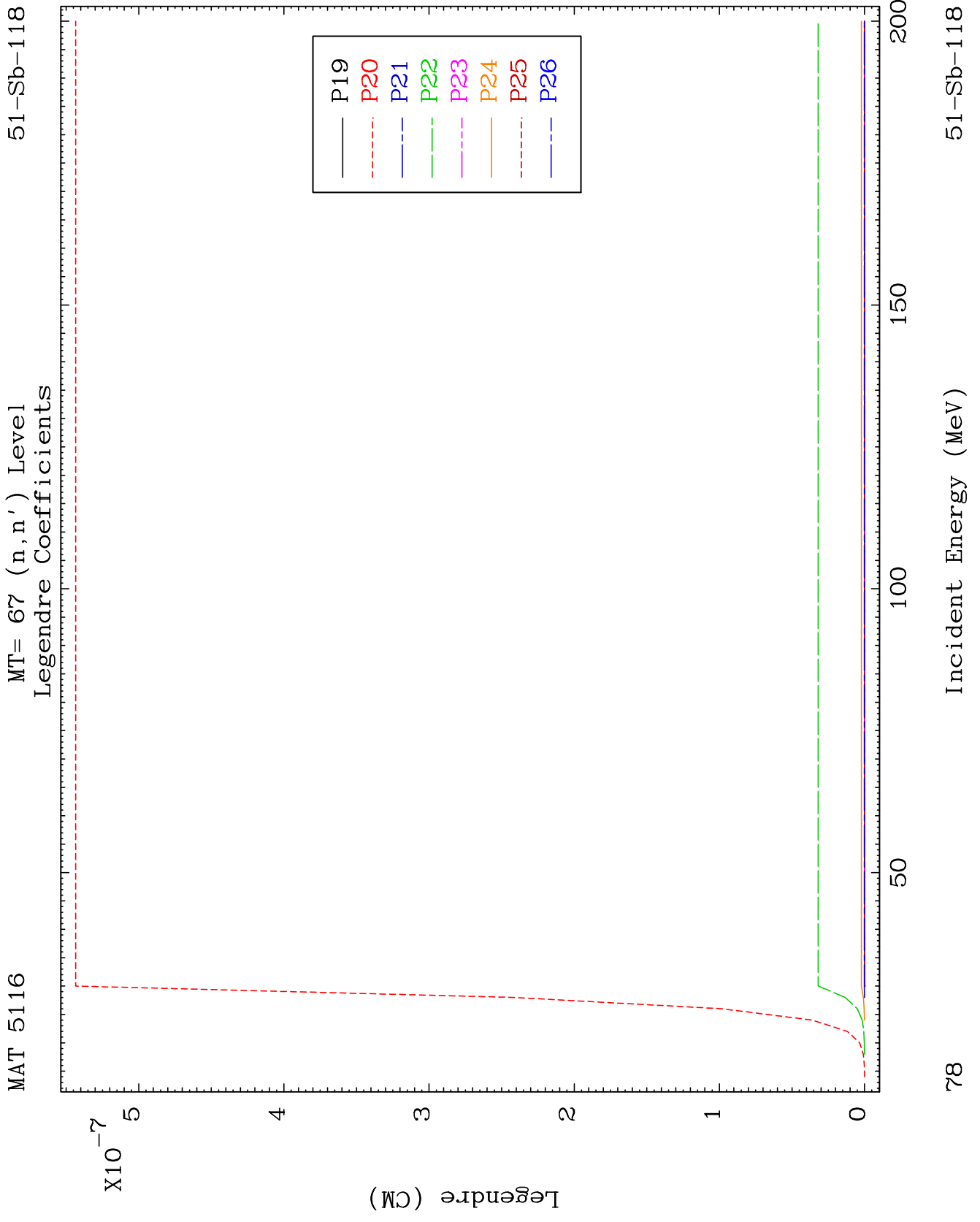
51-Sb-118



77

Incident Energy (MeV)

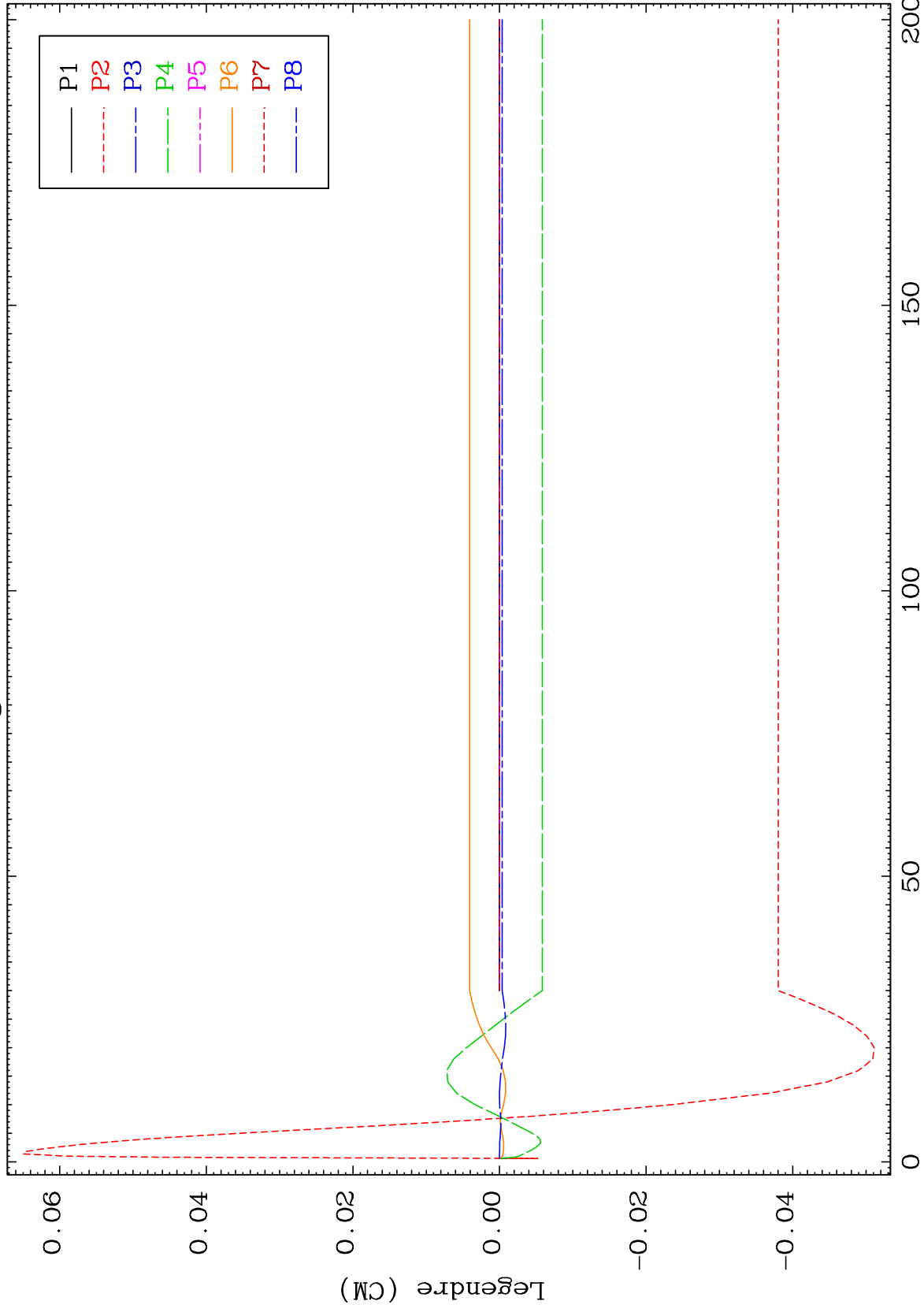
51-Sb-118



MAT 5116

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

51-Sb-118



79

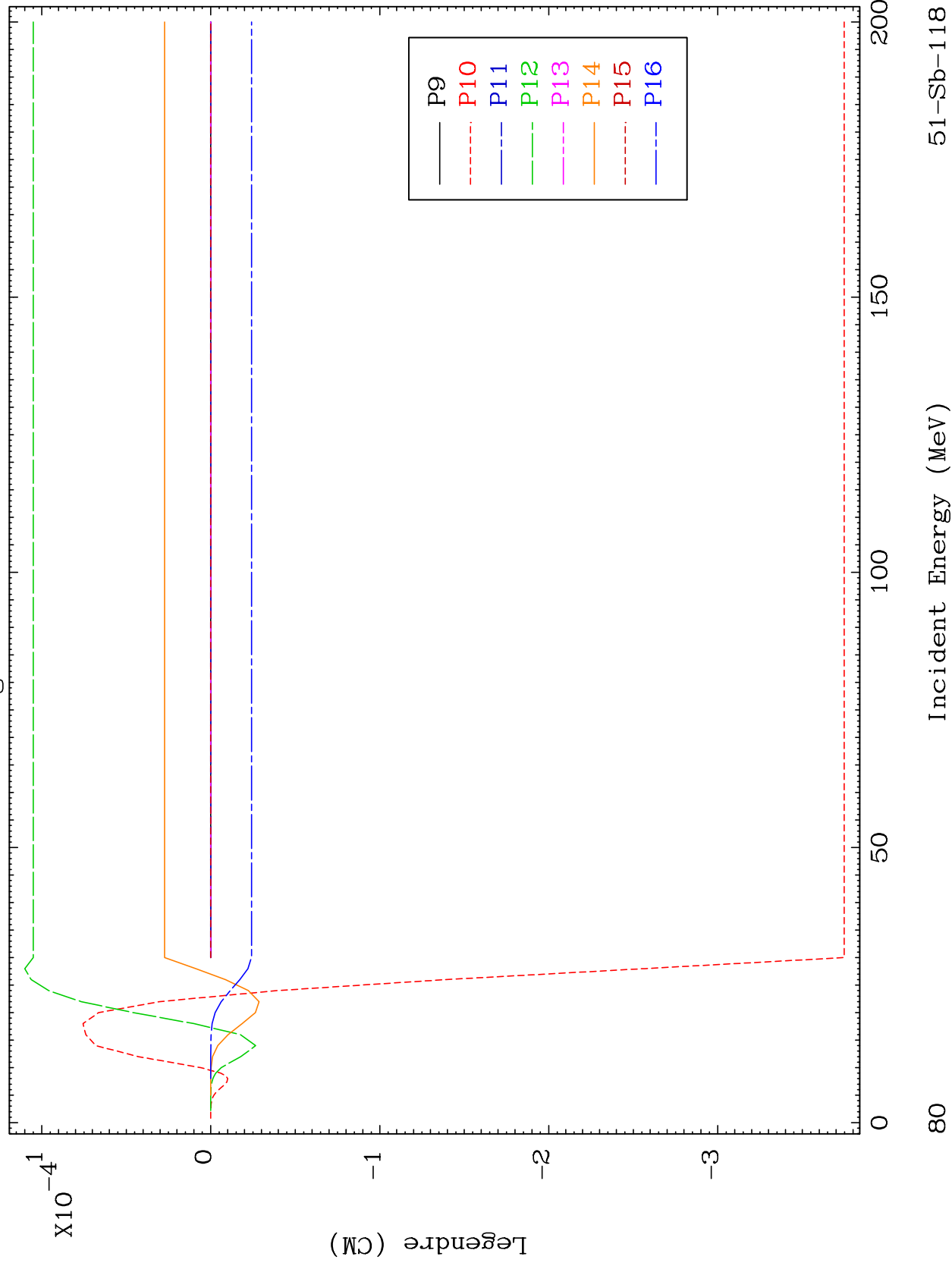
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

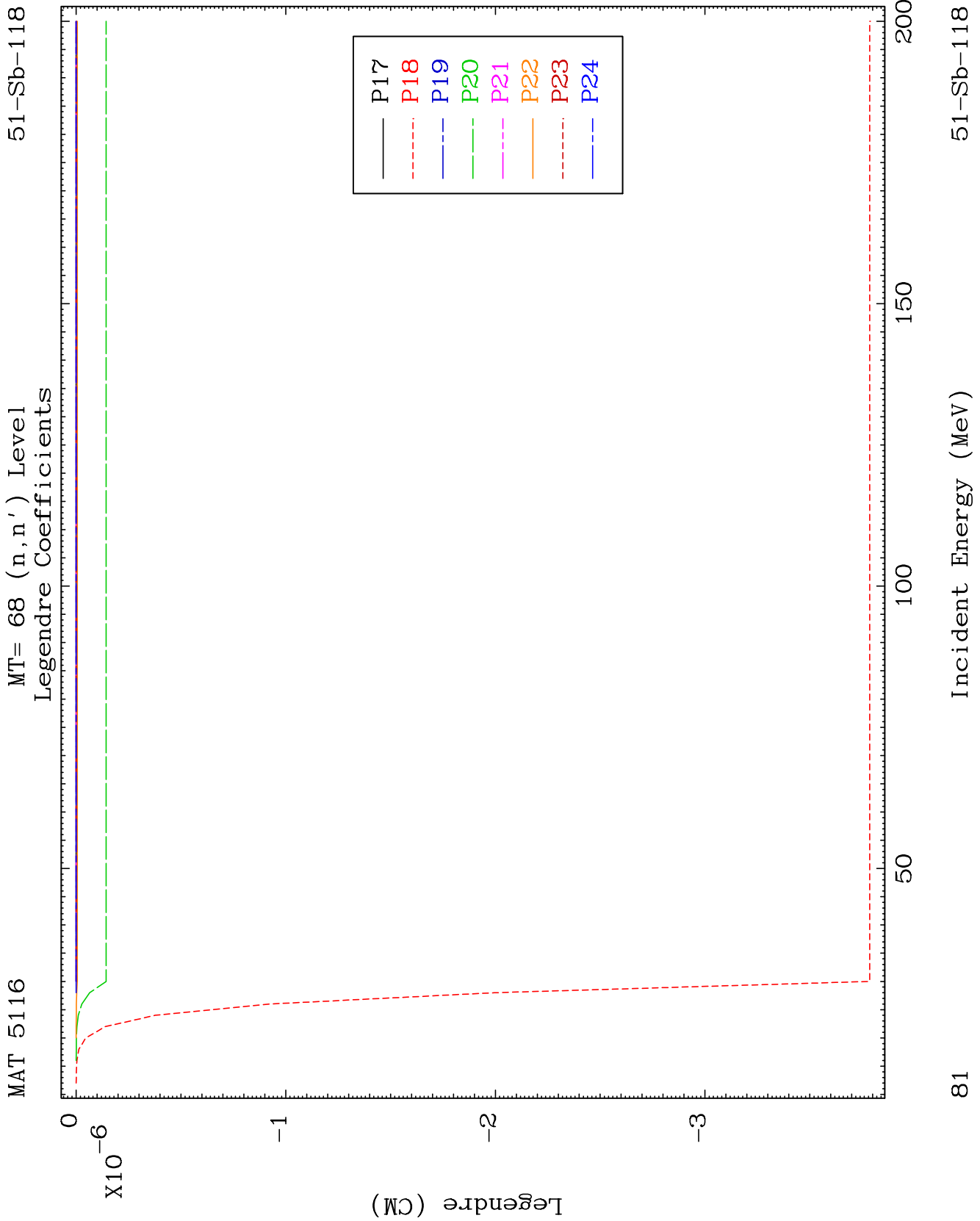
51-Sb-118



51-Sb-118

Incident Energy (MeV)

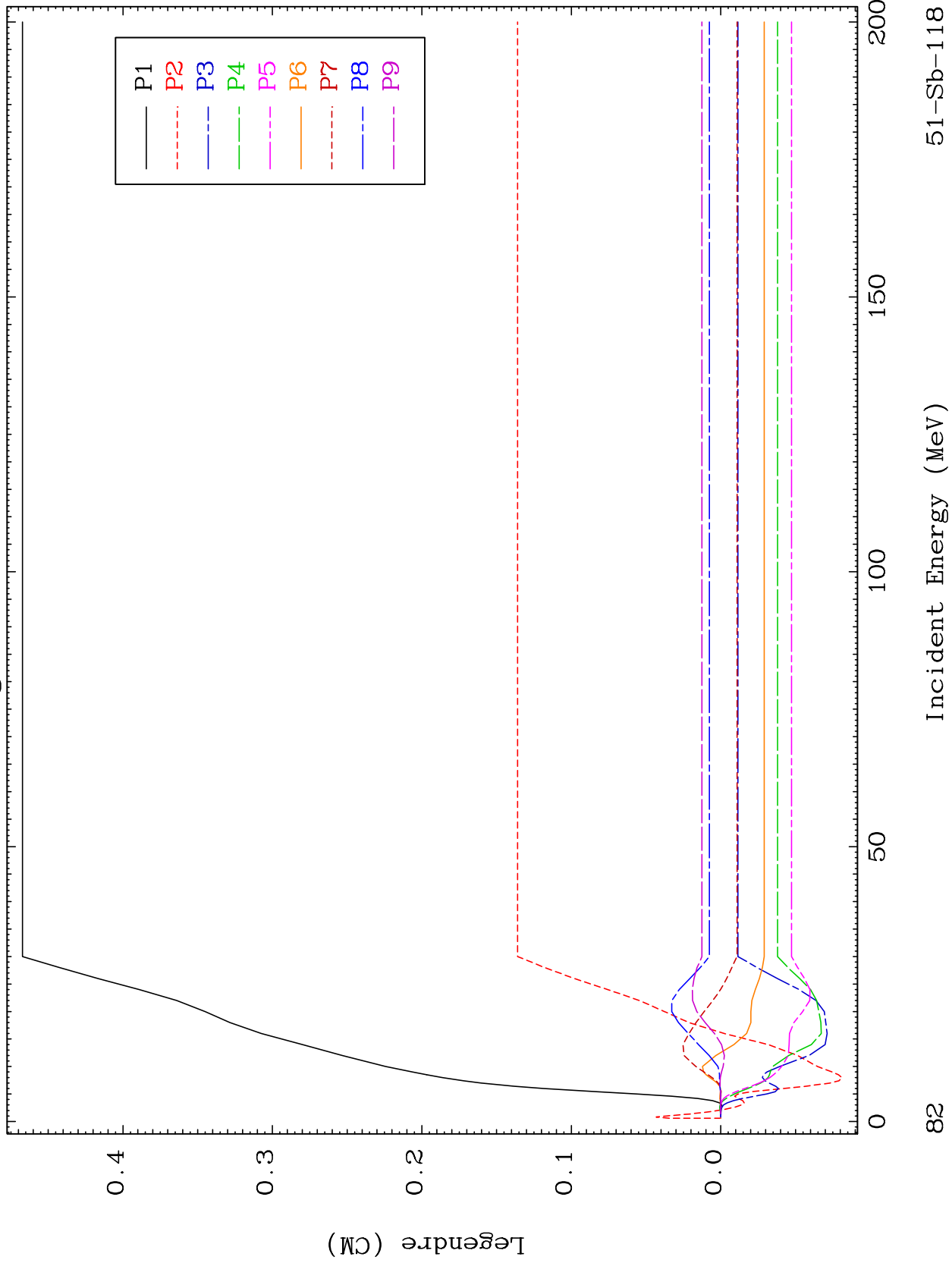
80

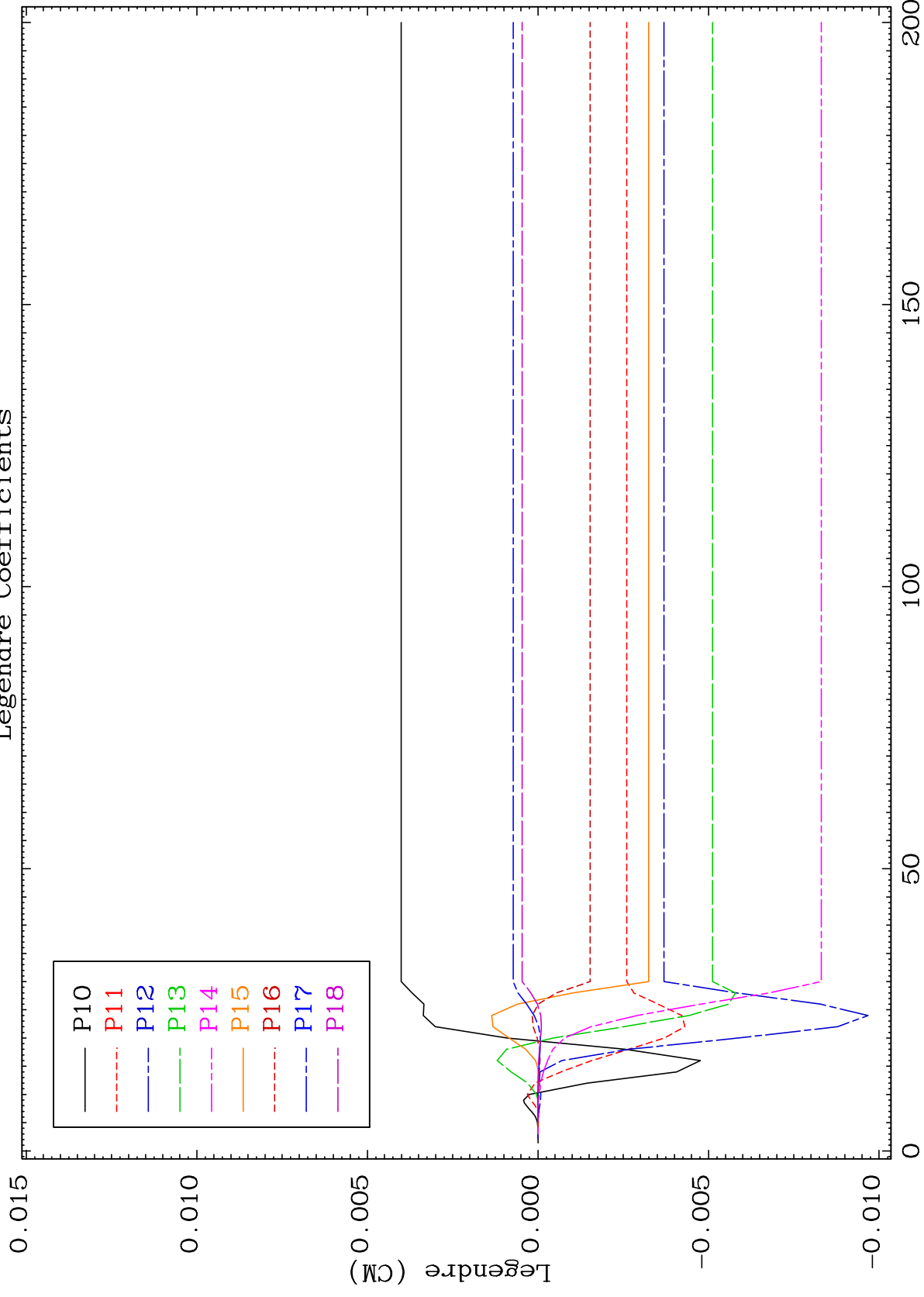


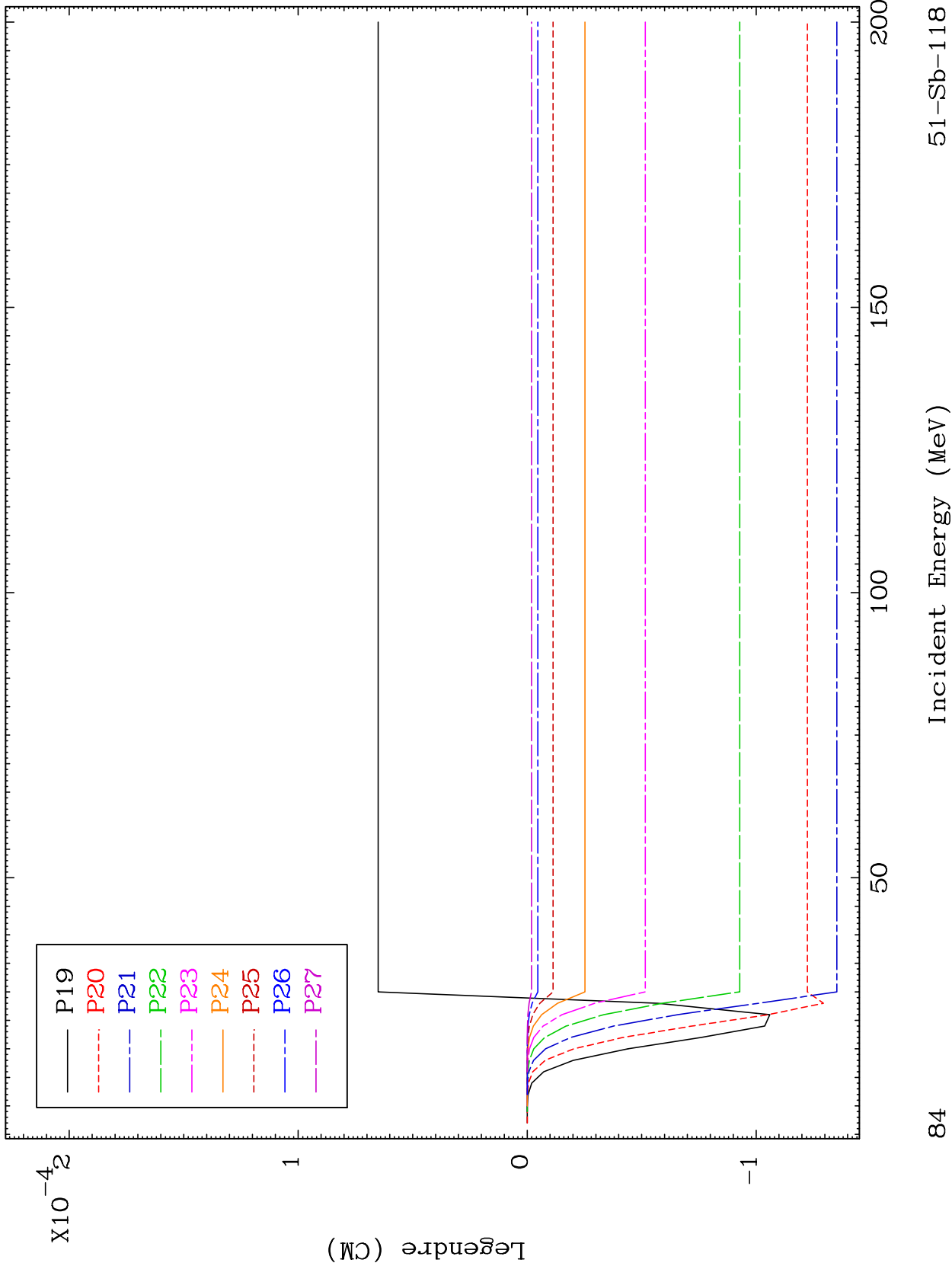
MAT 5116

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

51-Sb-118





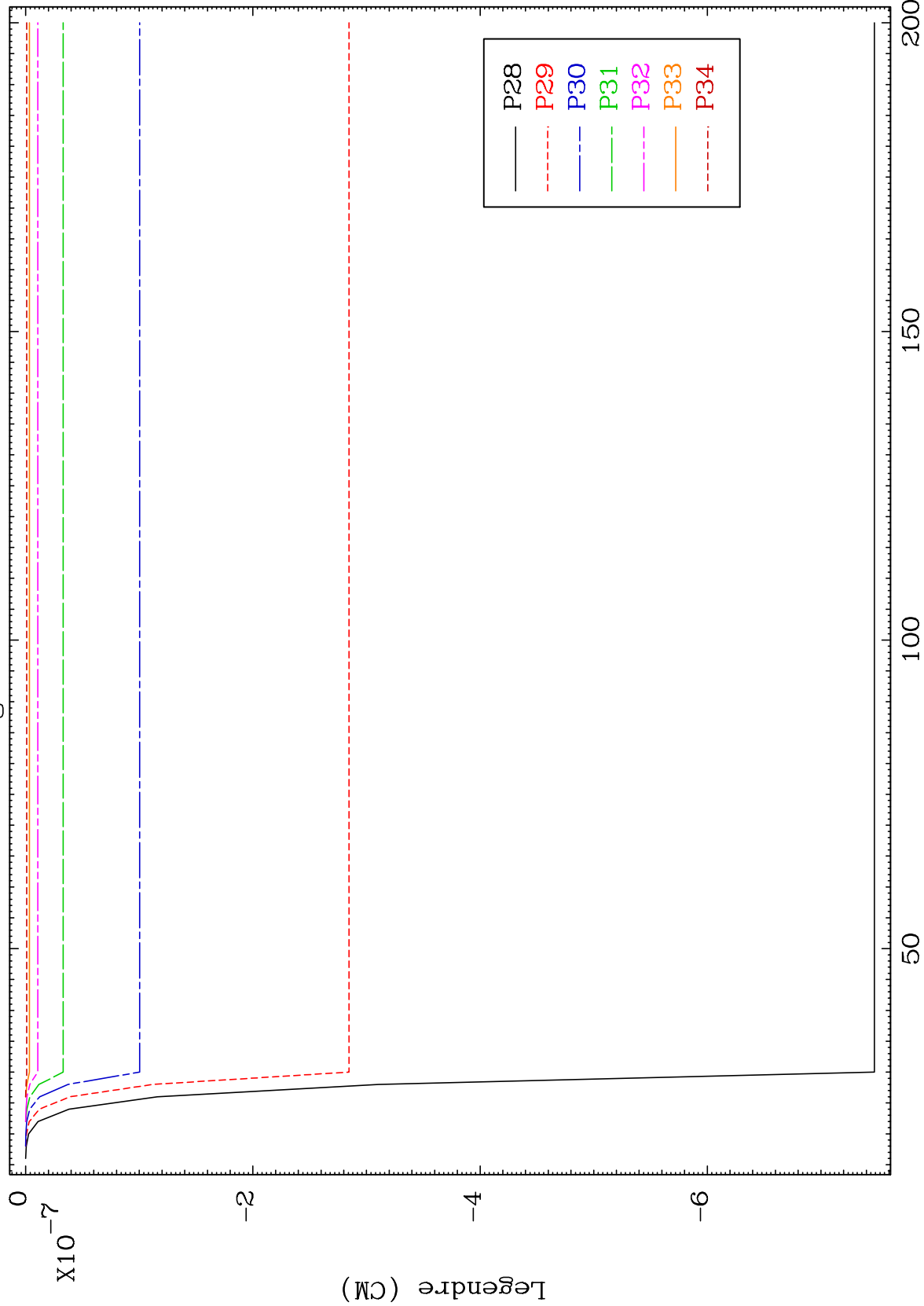


MAT 5116

MT= 69 (n,n') Level

51-Sb-118

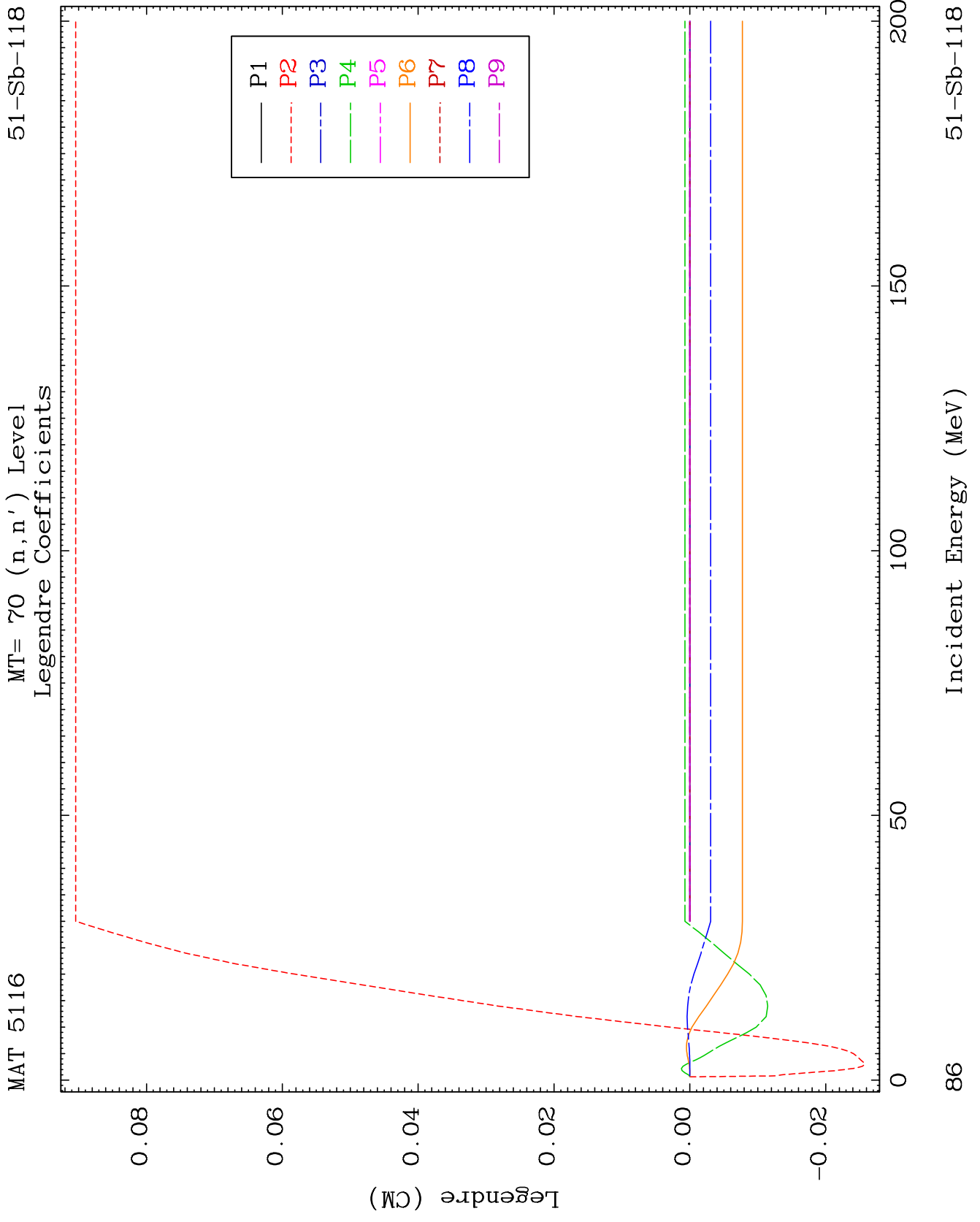
Legendre Coefficients



85

Incident Energy (MeV)

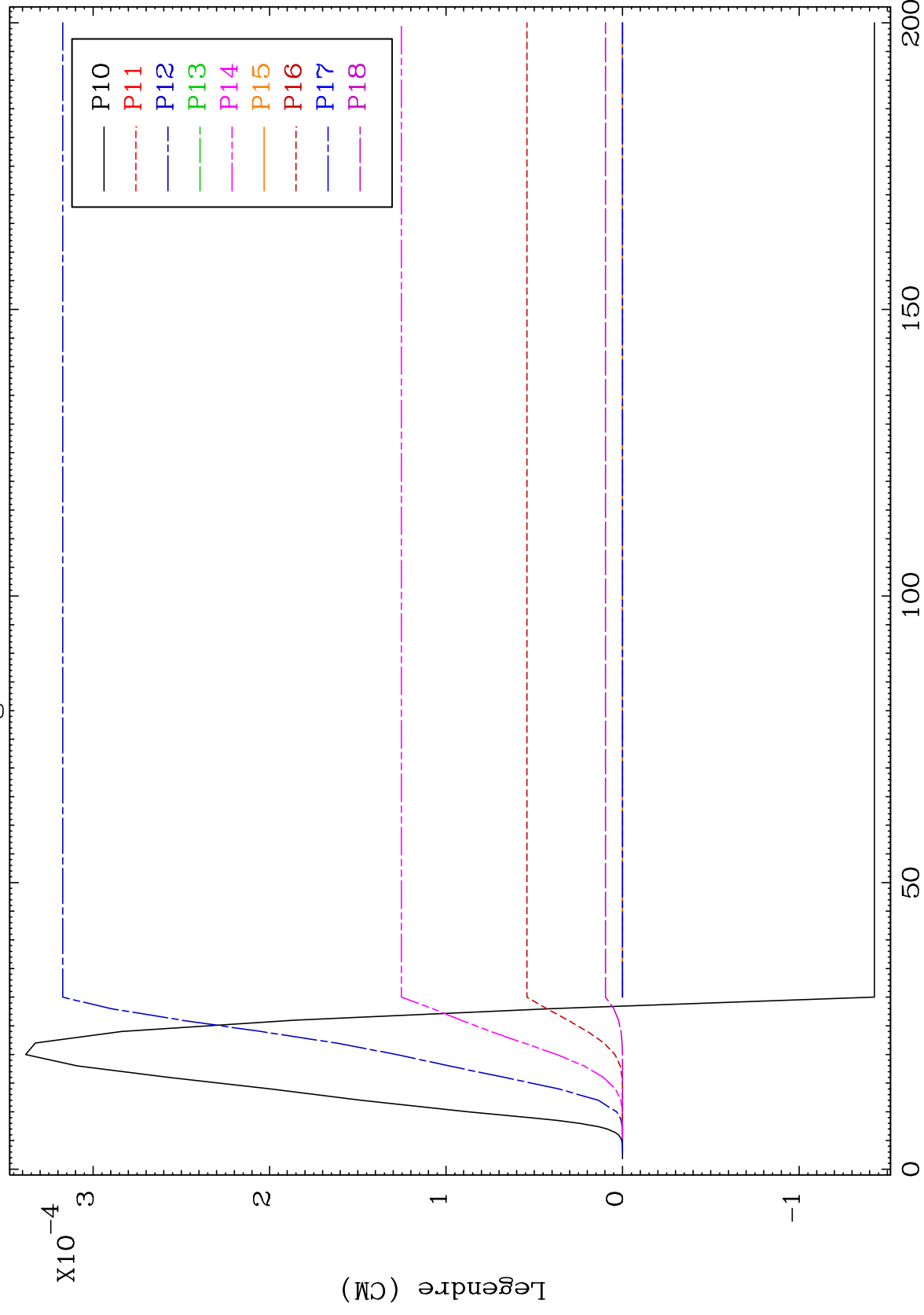
51-Sb-118



MAT 5116

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

51-Sb-118



87

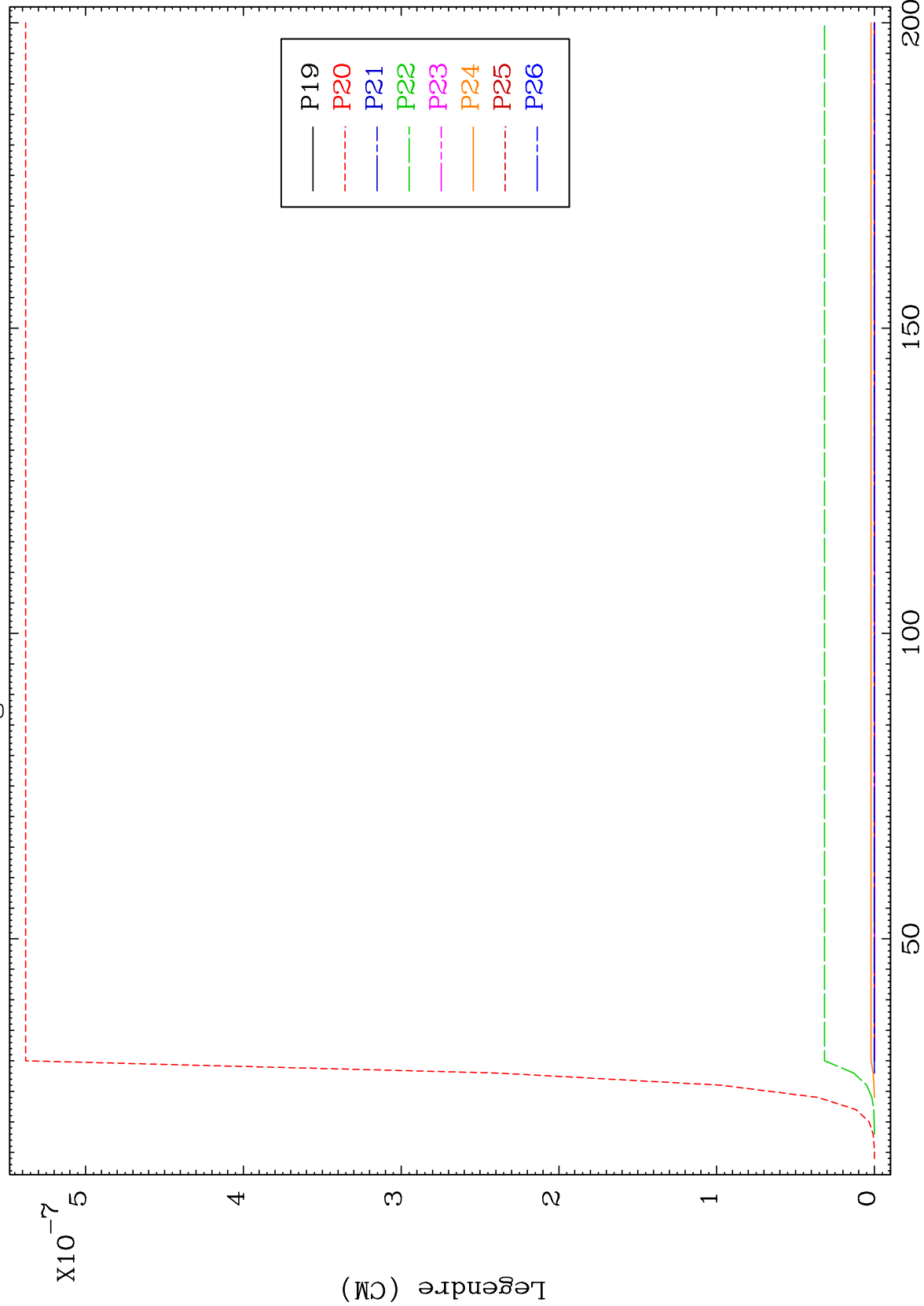
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118

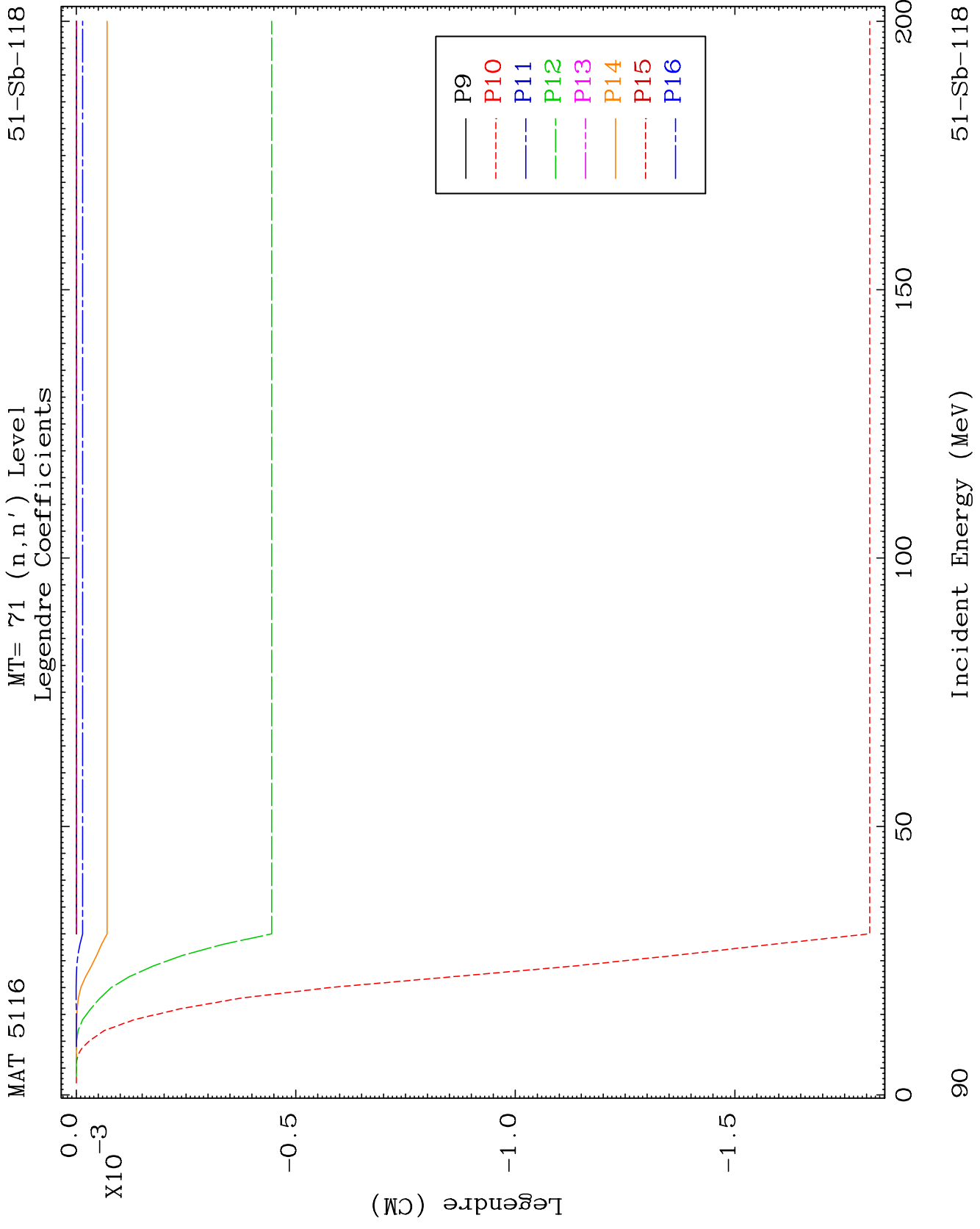


51-Sb-118

Incident Energy (MeV)

88

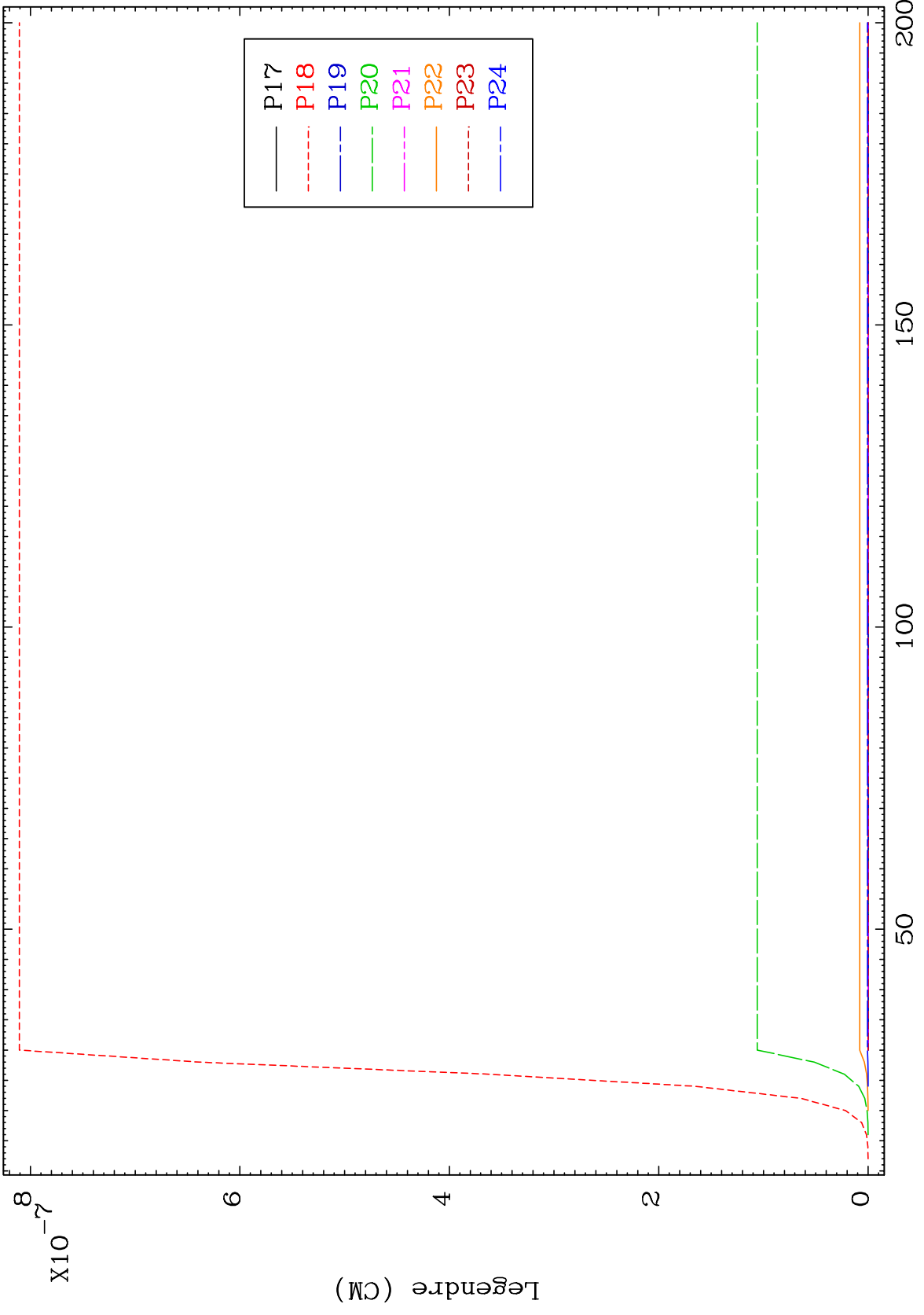




MAT 5116

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

51-Sb-118



51-Sb-118

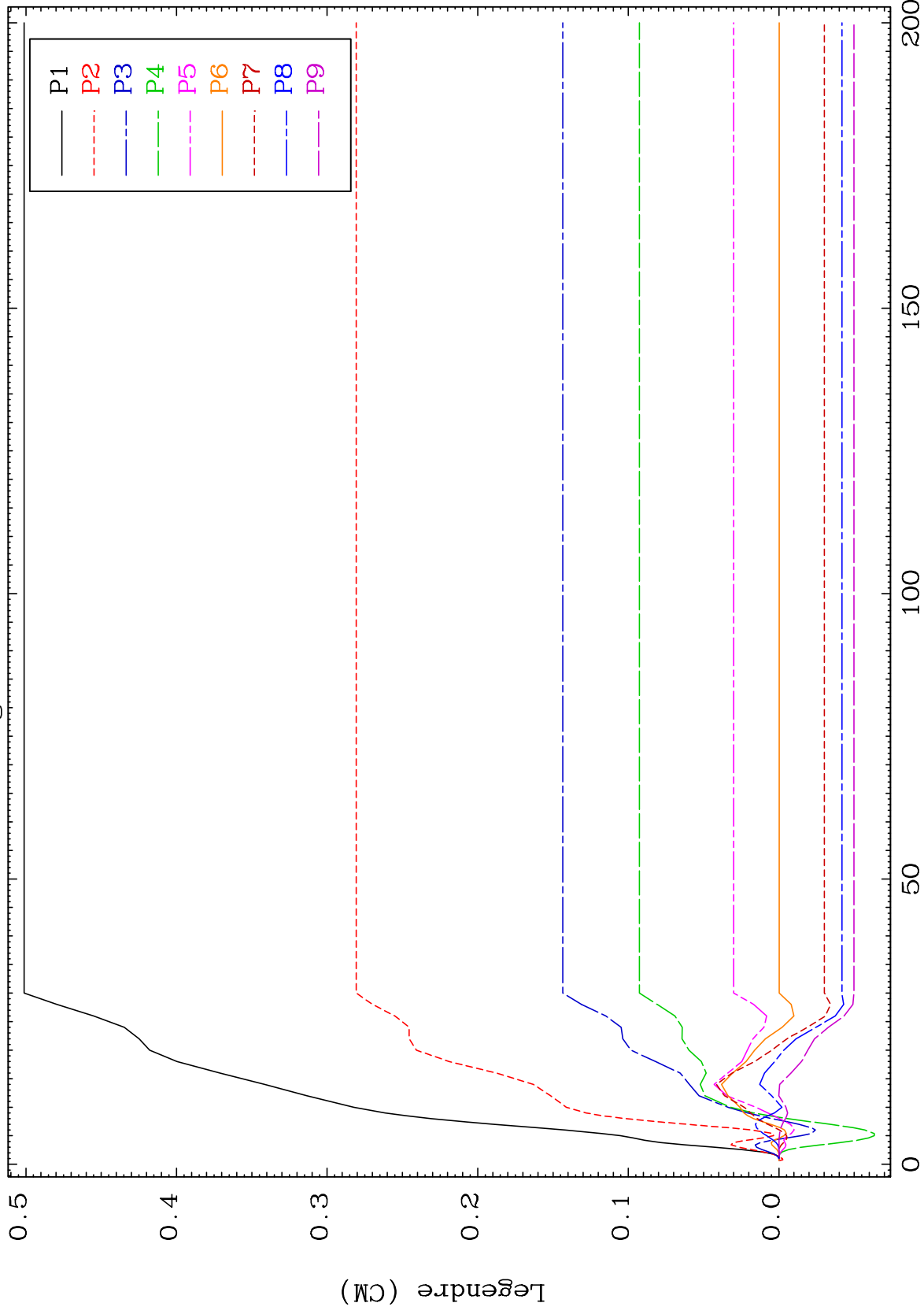
Incident Energy (MeV)

91

MAT 5116

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

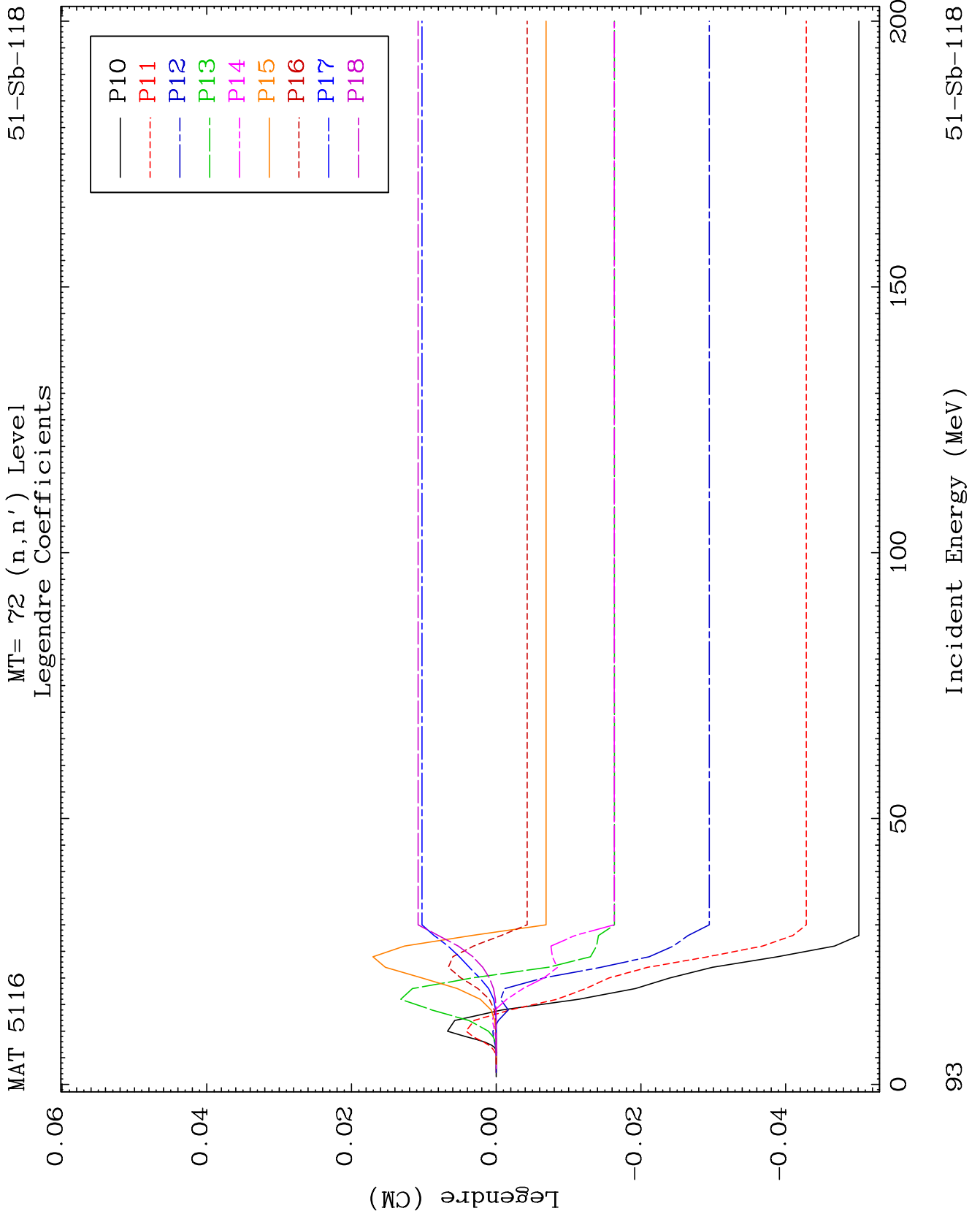
51-Sb-118



92

Incident Energy (MeV)

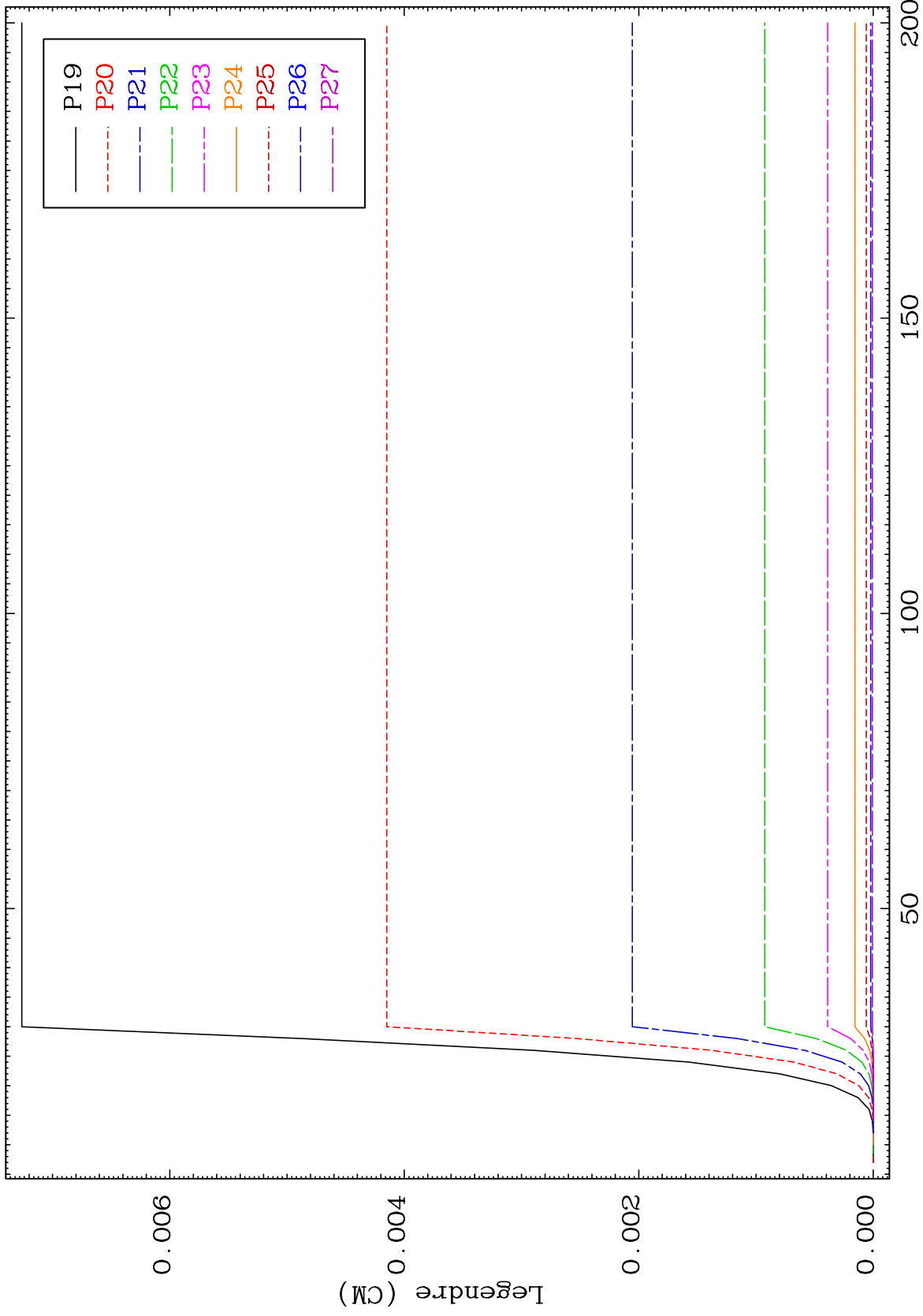
51-Sb-118



MAT 5116

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

51-Sb-118



94

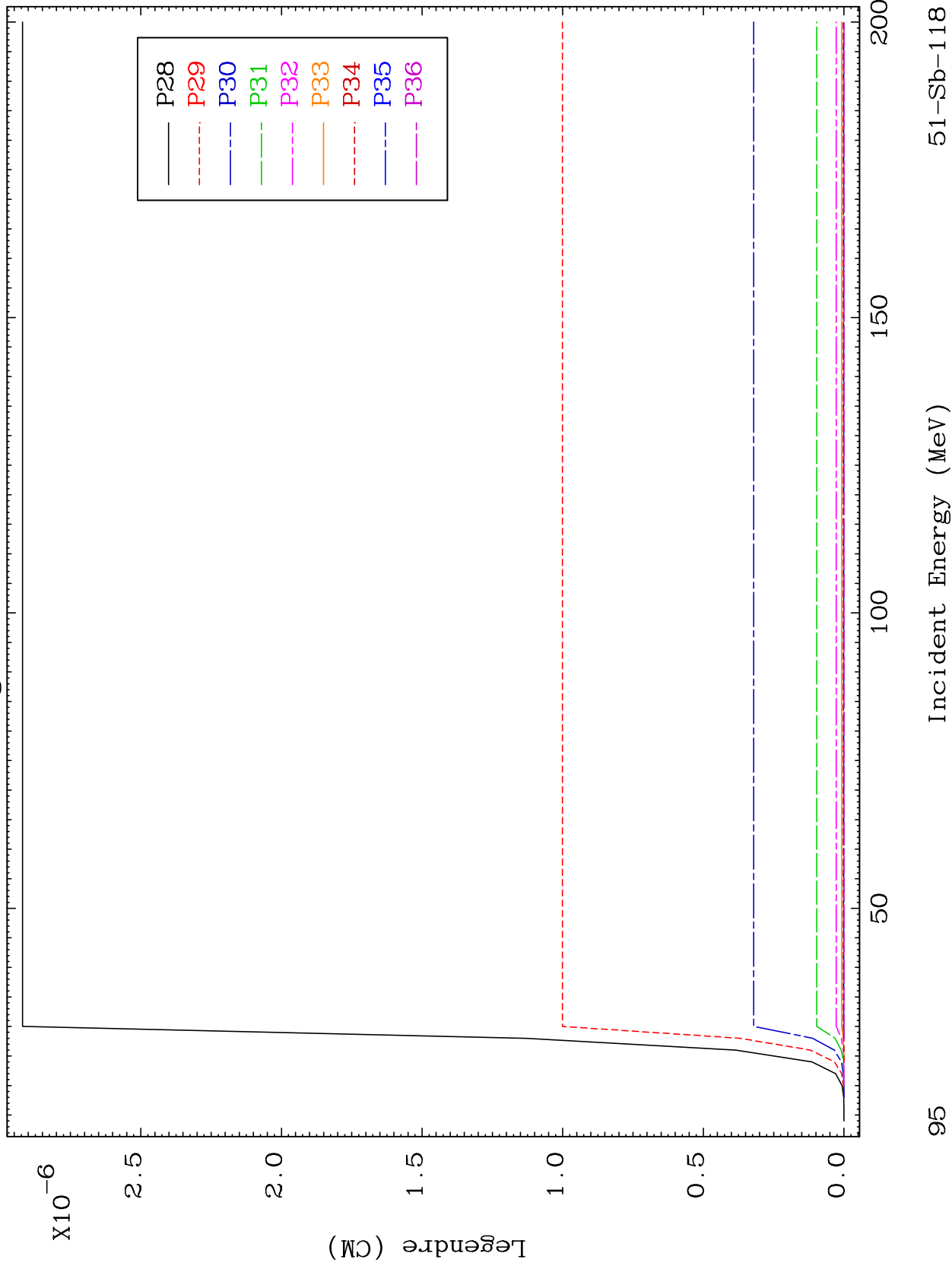
Incident Energy (MeV)

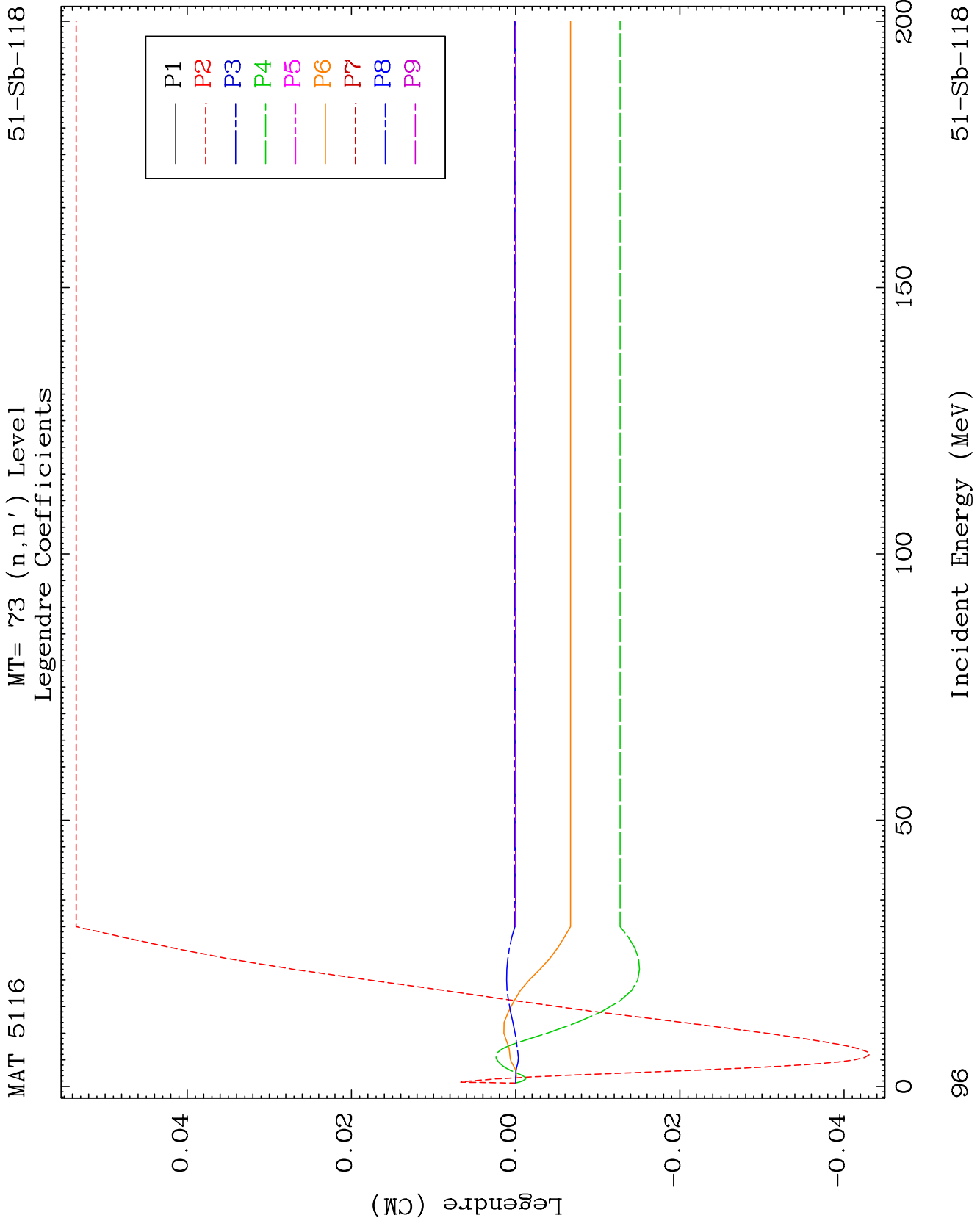
51-Sb-118

MAT 5116

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

51-Sb-118

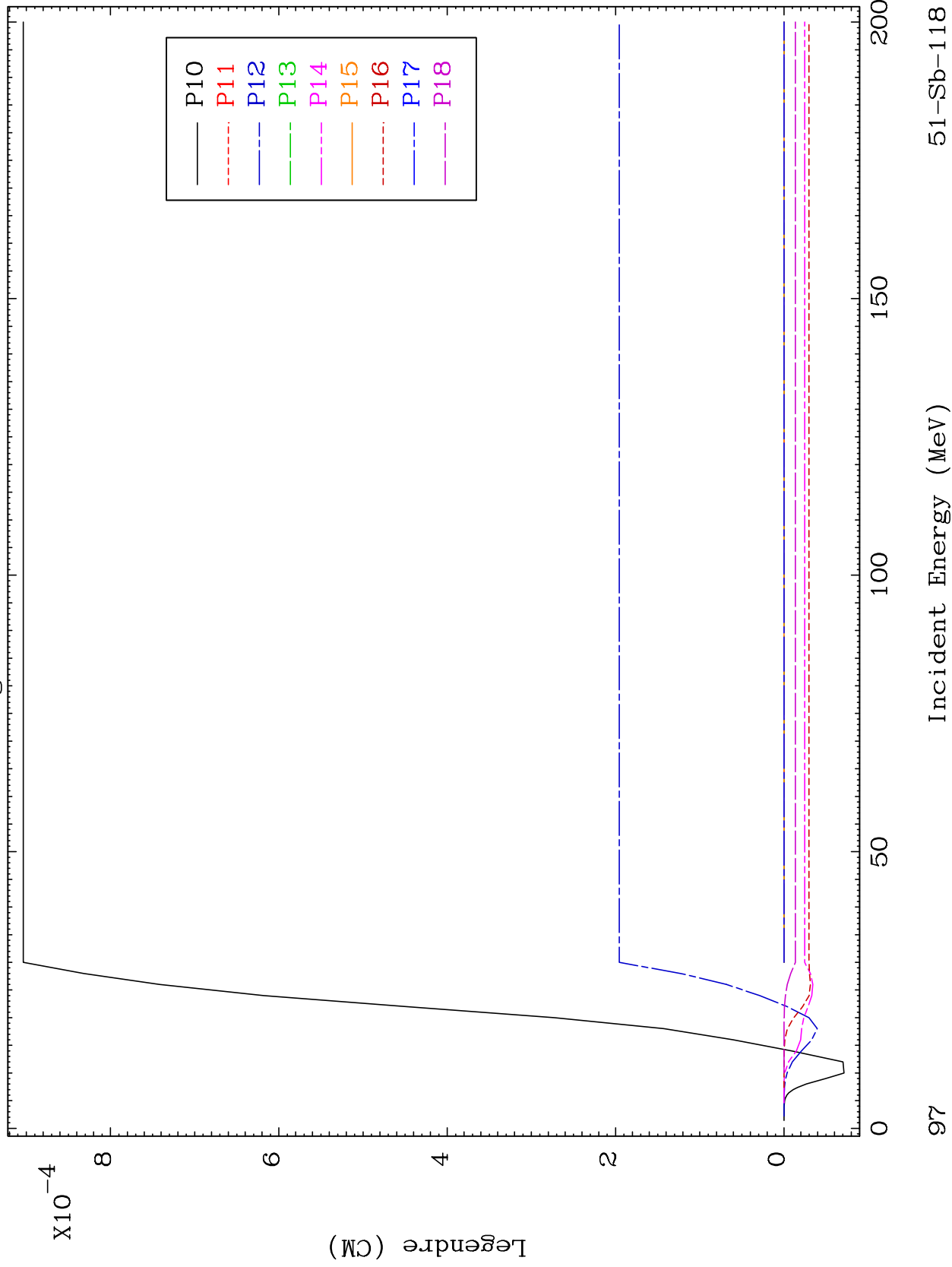




MAT 51116

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

51-Sb-118



51-Sb-118

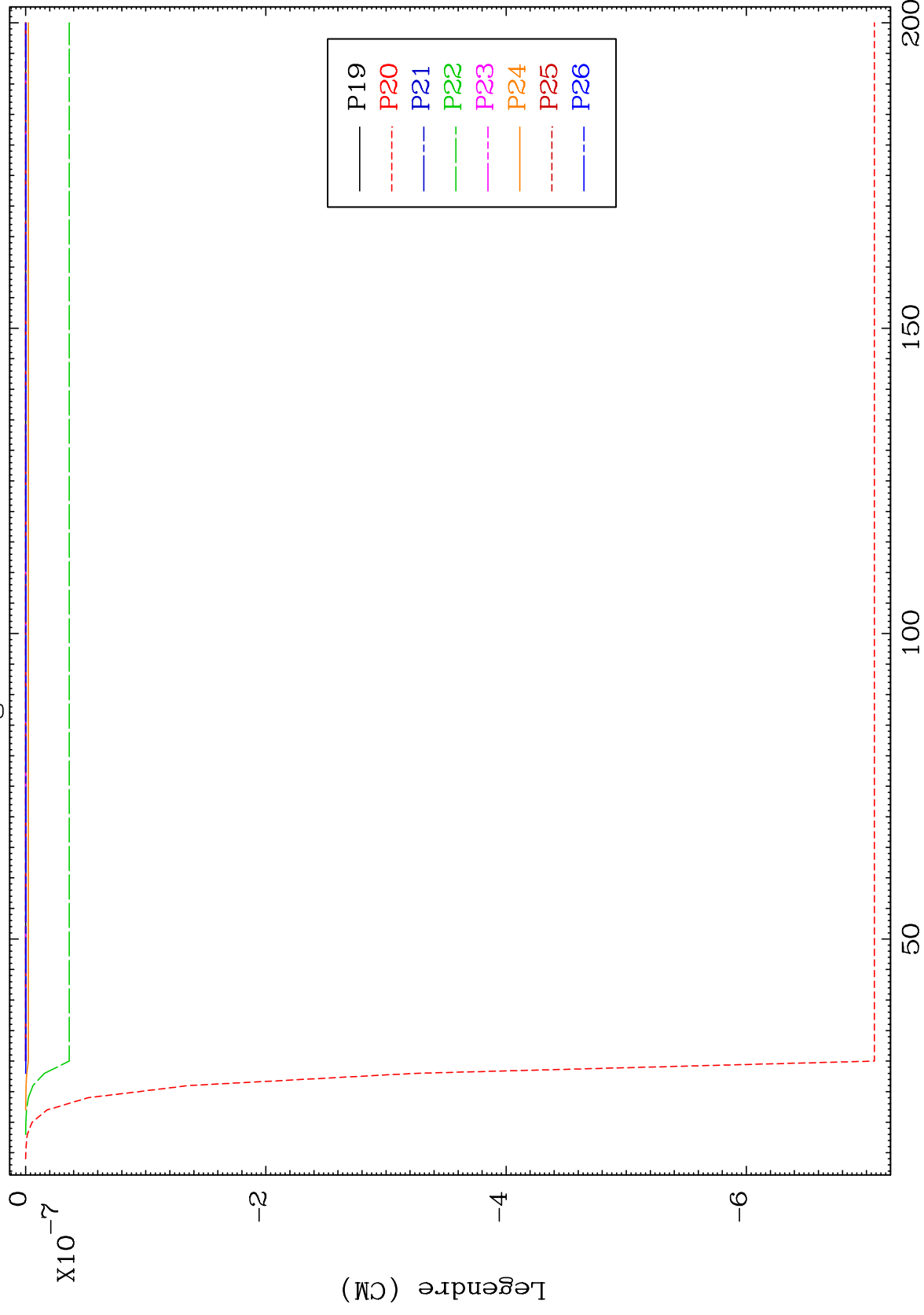
Incident Energy (MeV)

97

MAT 5116

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

51-Sb-118

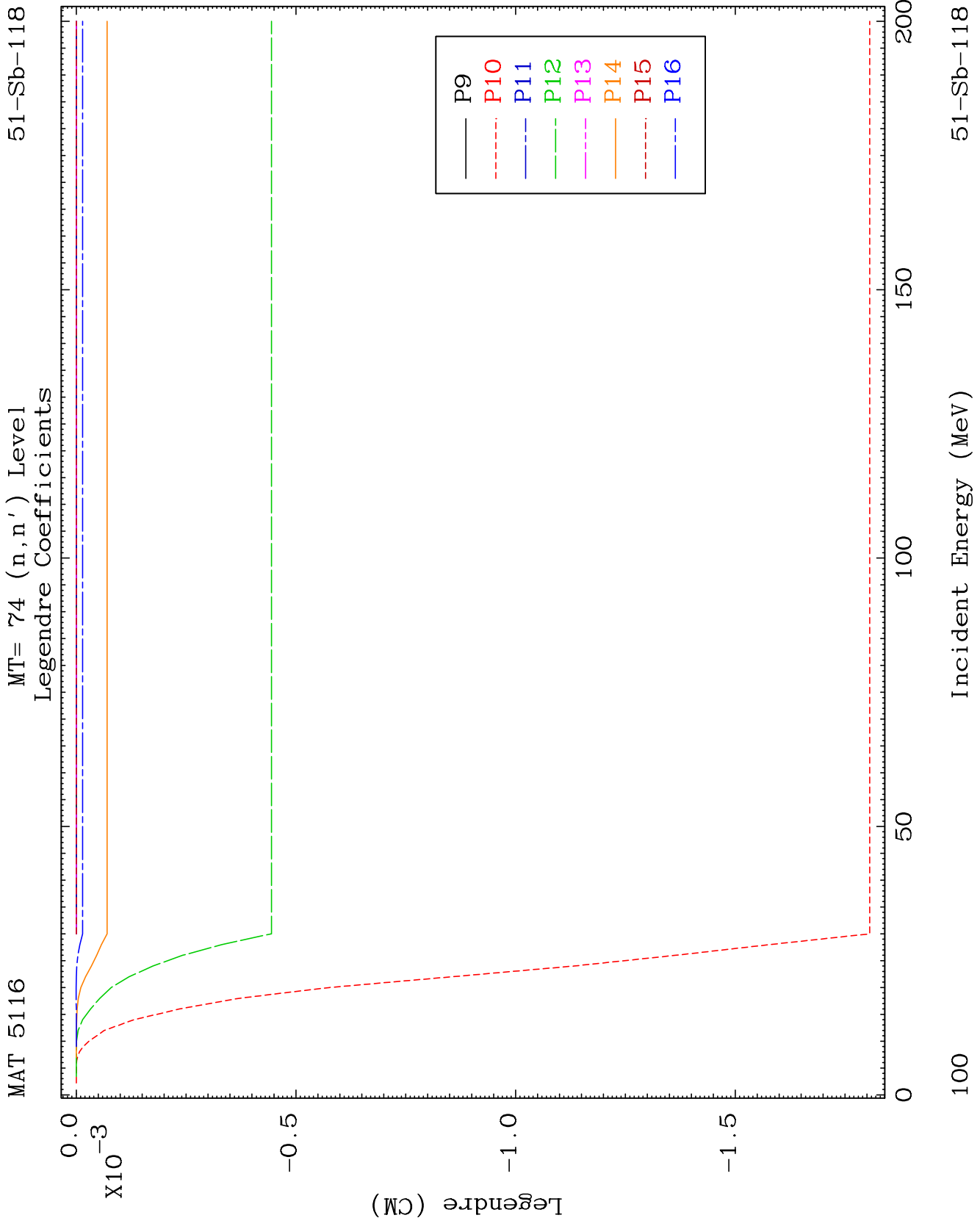


98

Incident Energy (MeV)

51-Sb-118

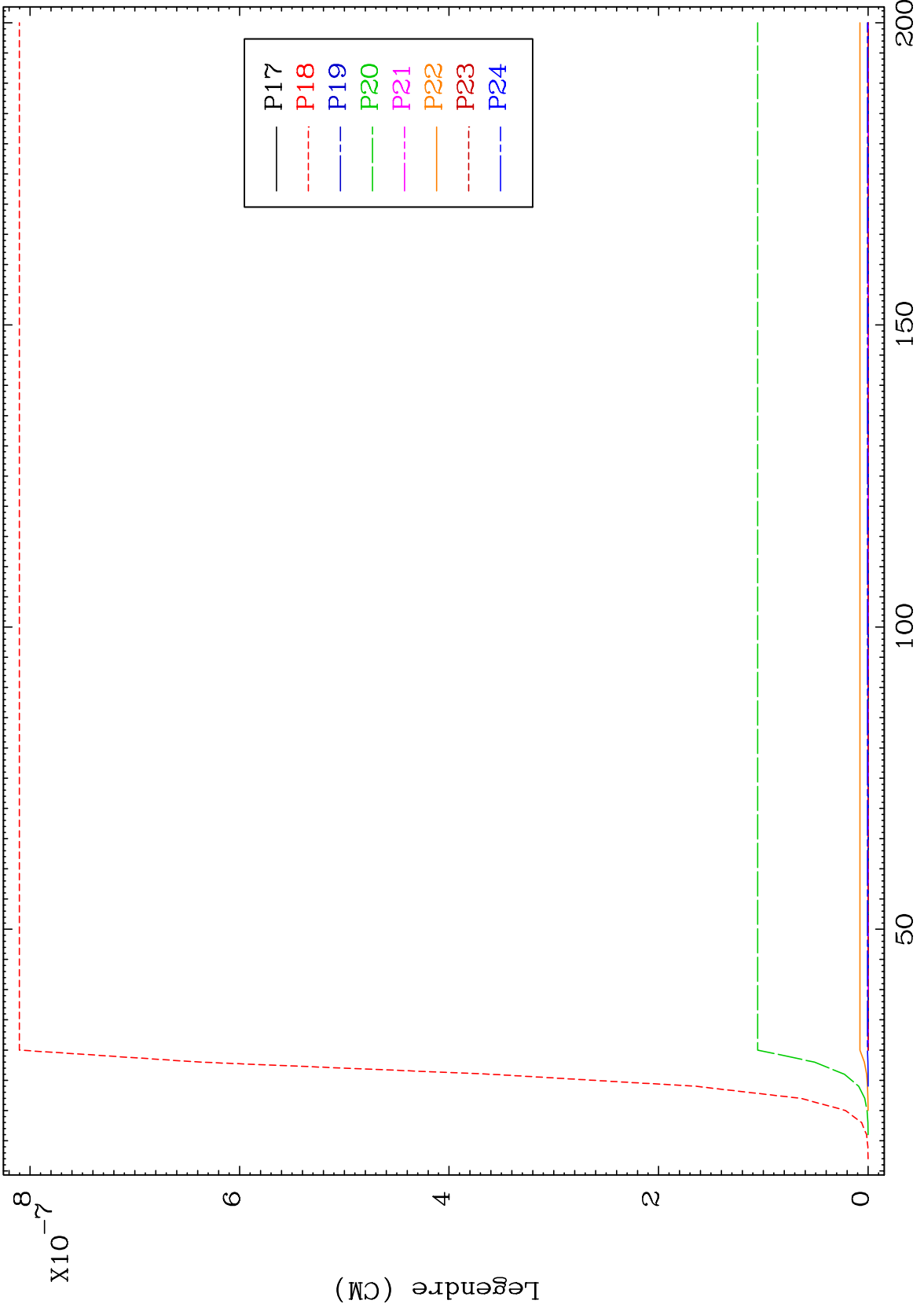




MAT 5116

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

51-Sb-118



51-Sb-118

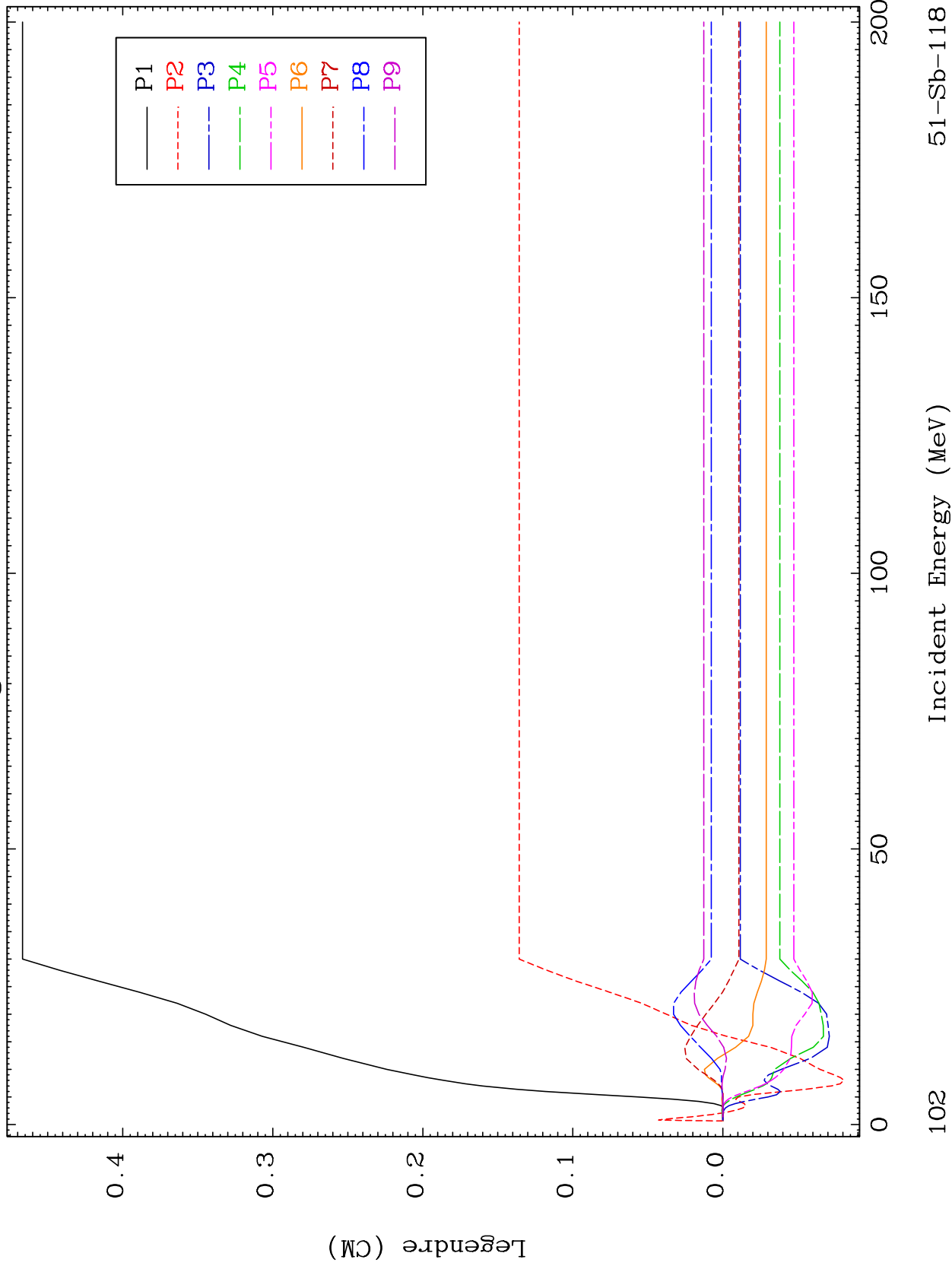
Incident Energy (MeV)

101

MAT 5116

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

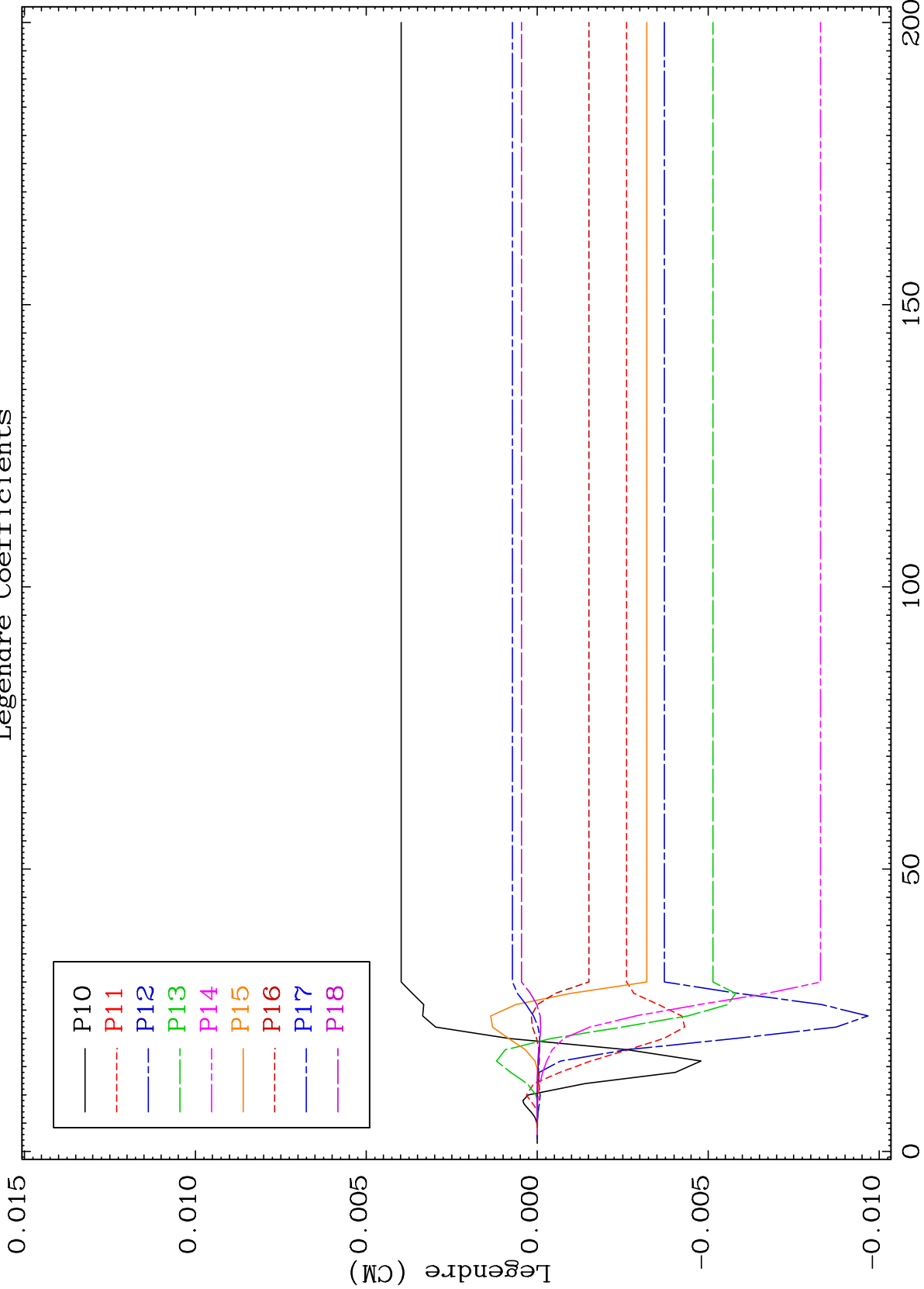
51-Sb-118



MAT 5116

51-Sb-118

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



51-Sb-118

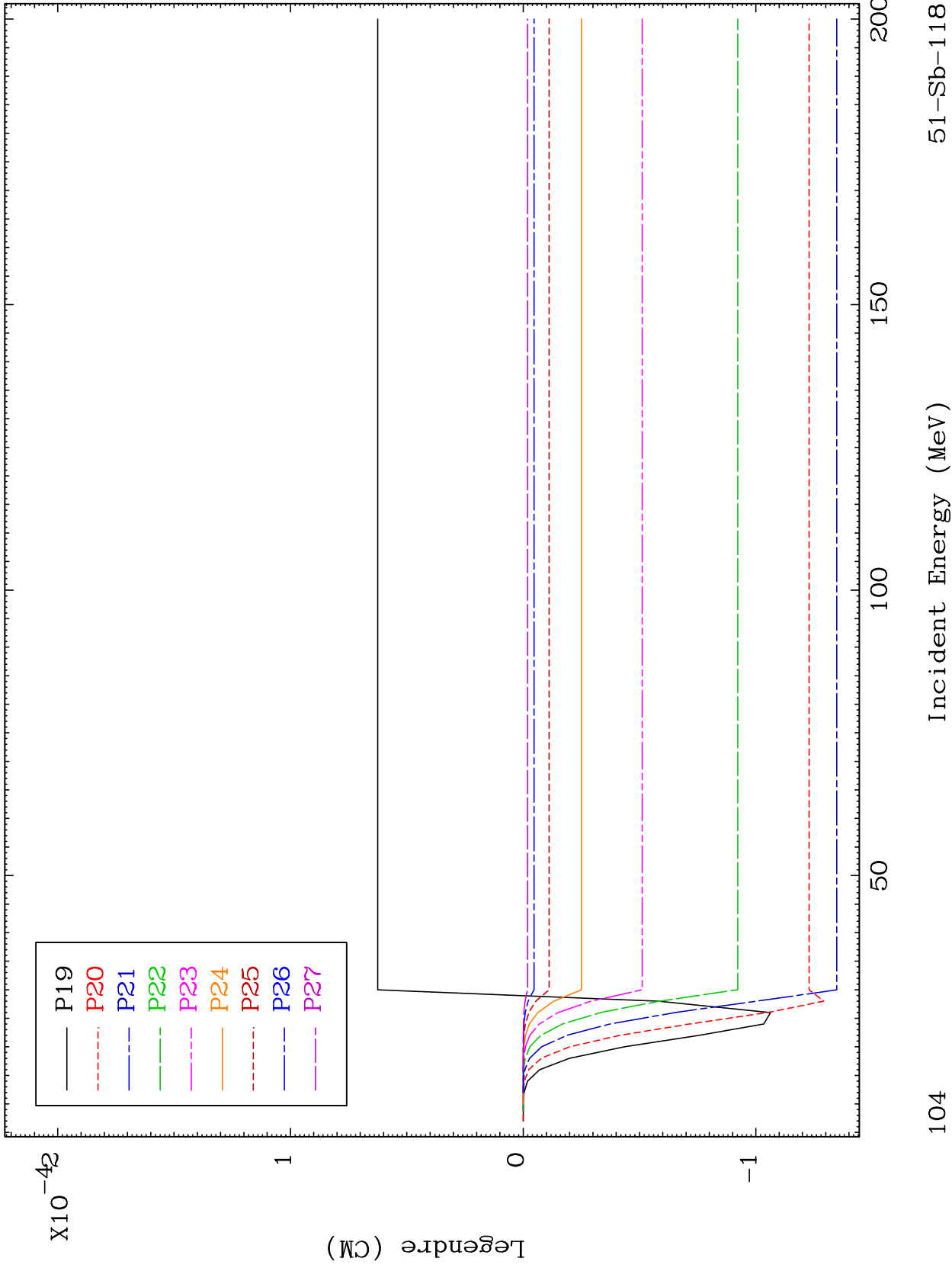
Incident Energy (MeV)

103

MAT 5116

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

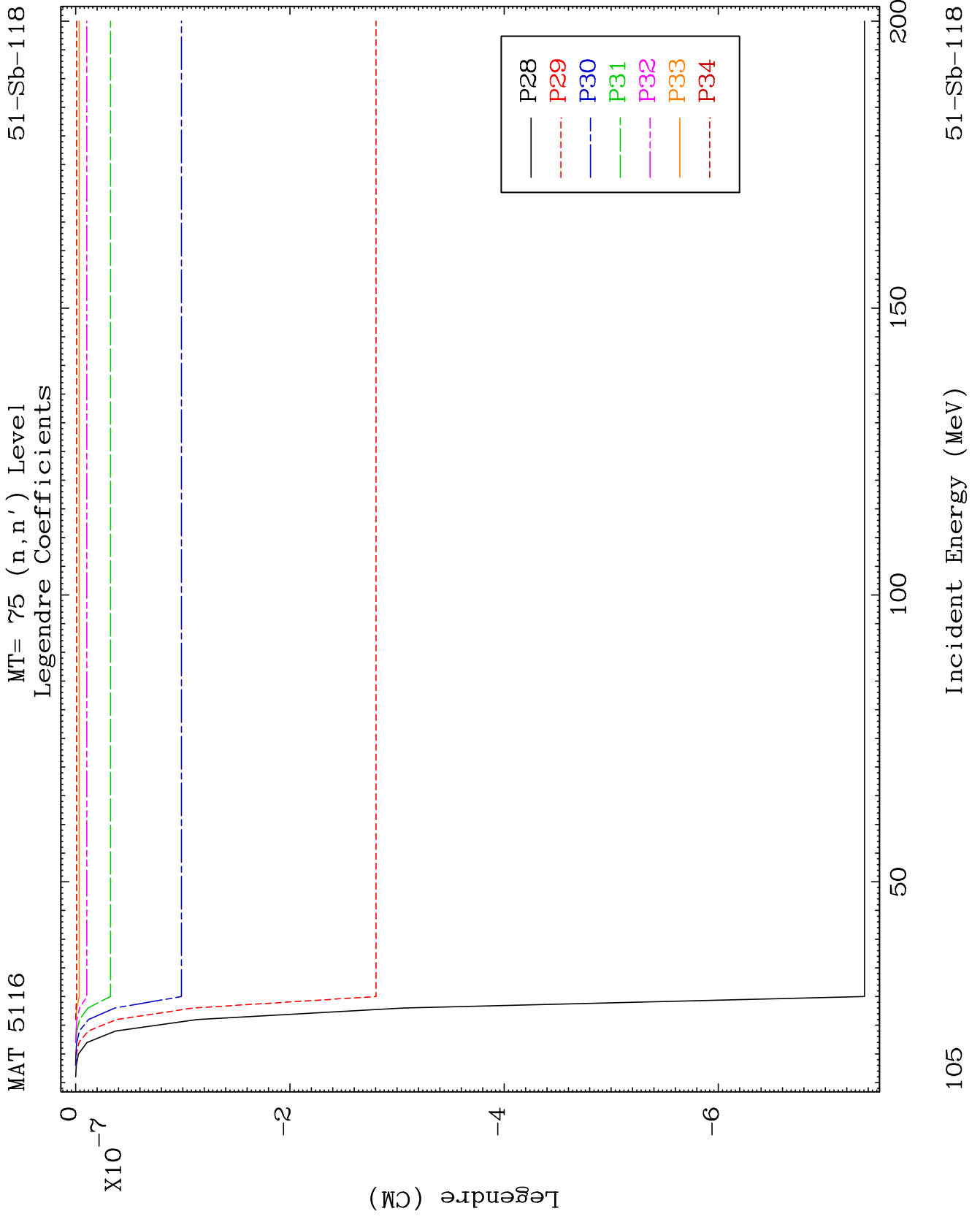
51-Sb-118



104

Incident Energy (MeV)

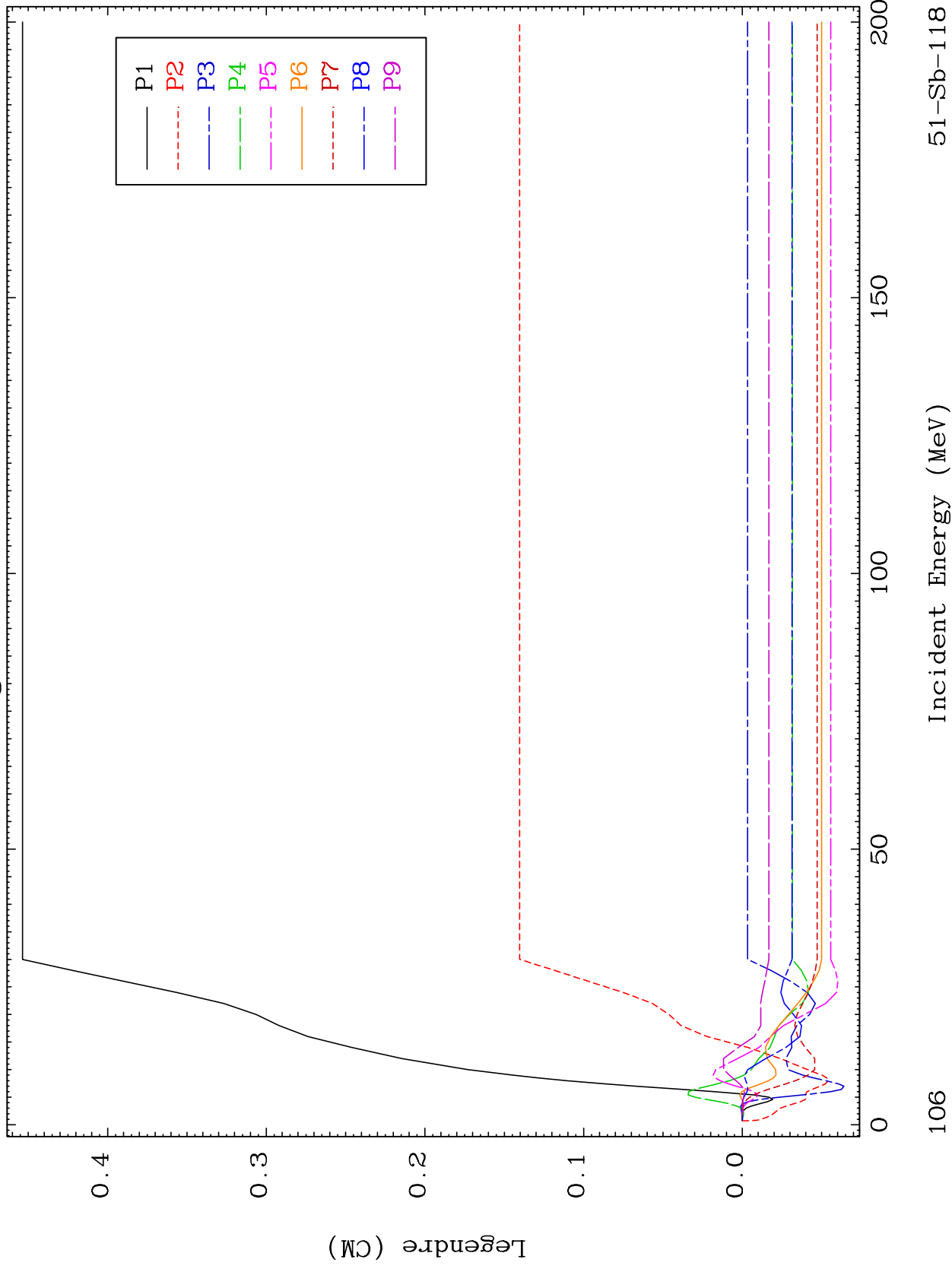
51-Sb-118

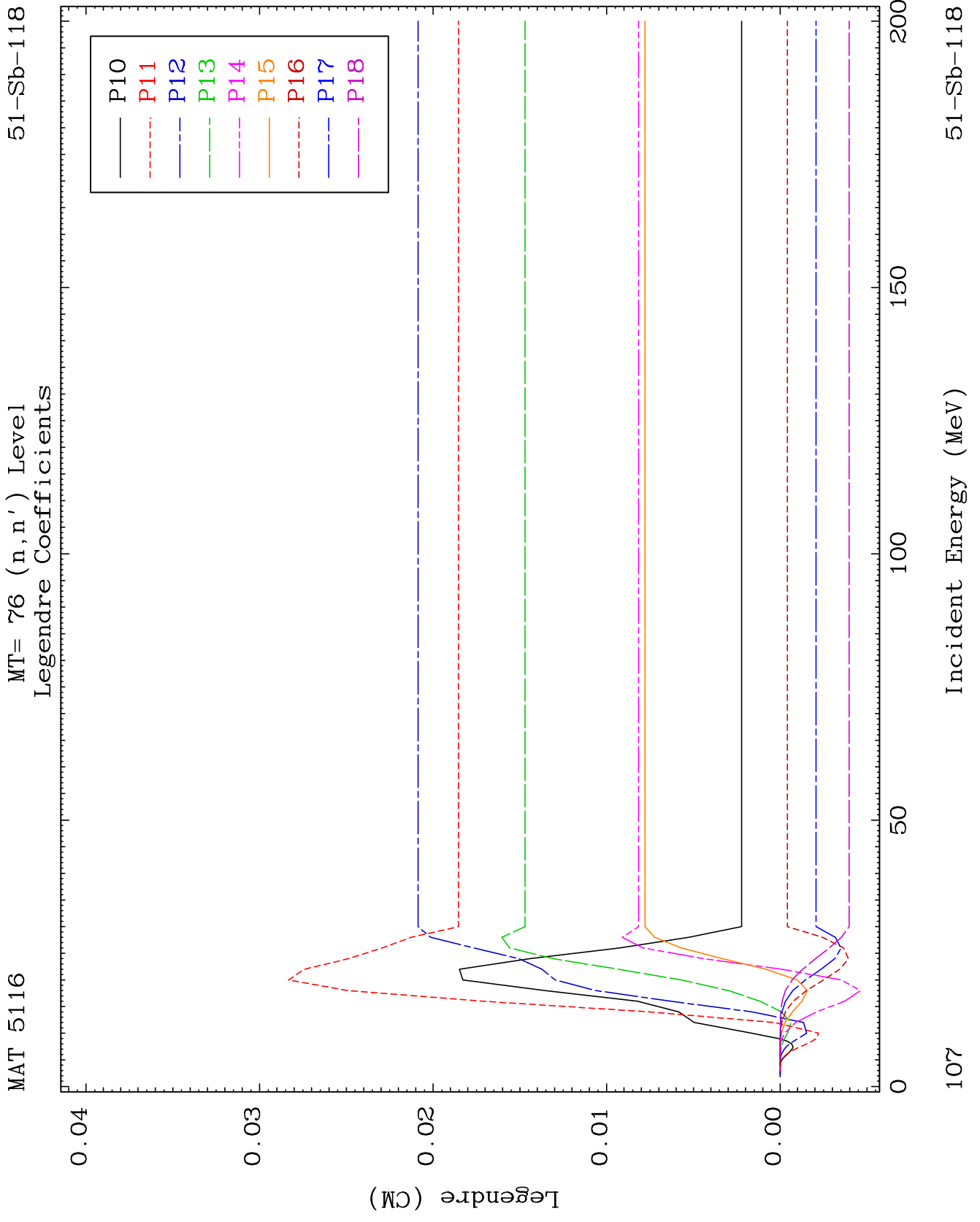


MAT 5116

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

51-Sb-118

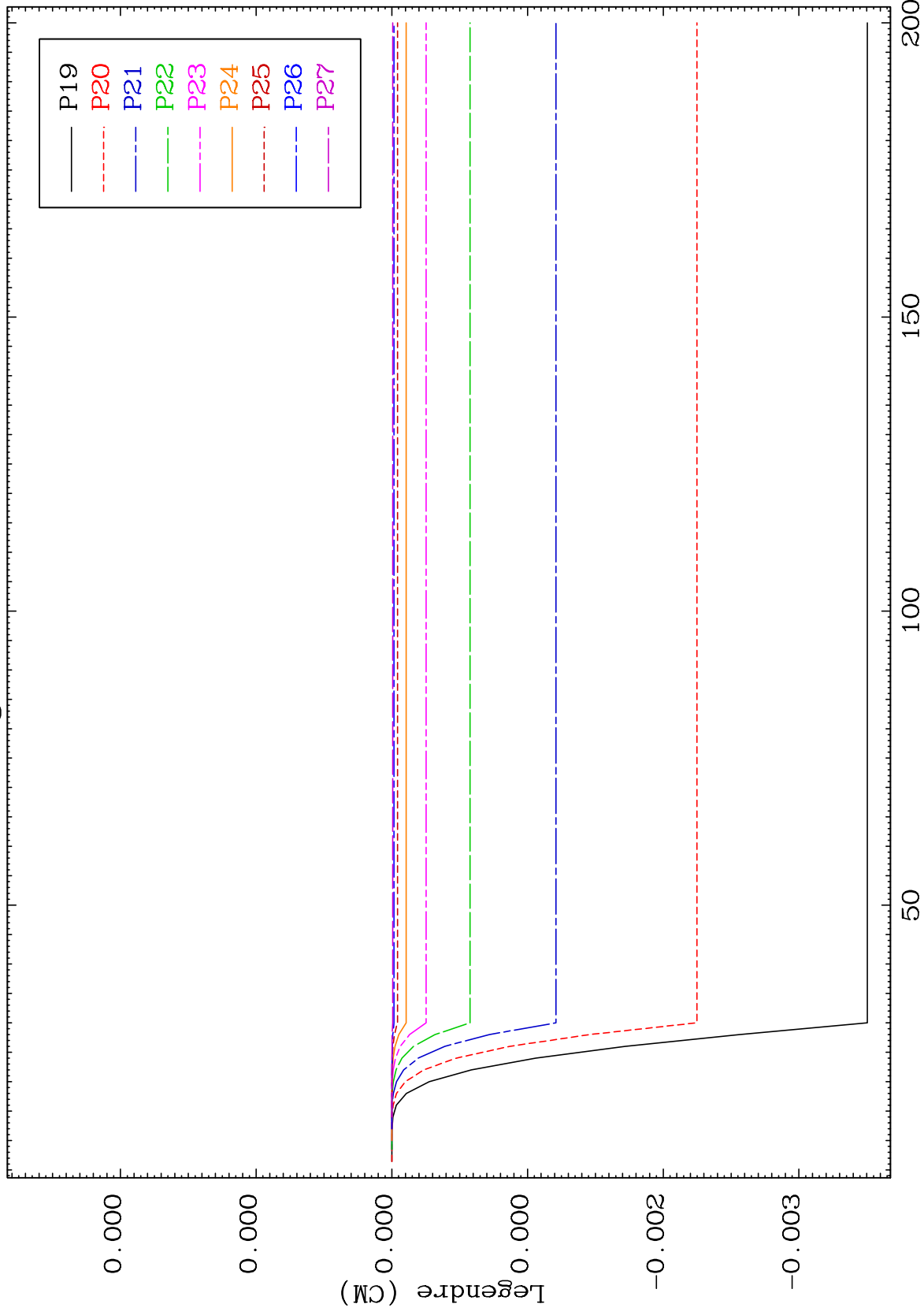




MAT 5116

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

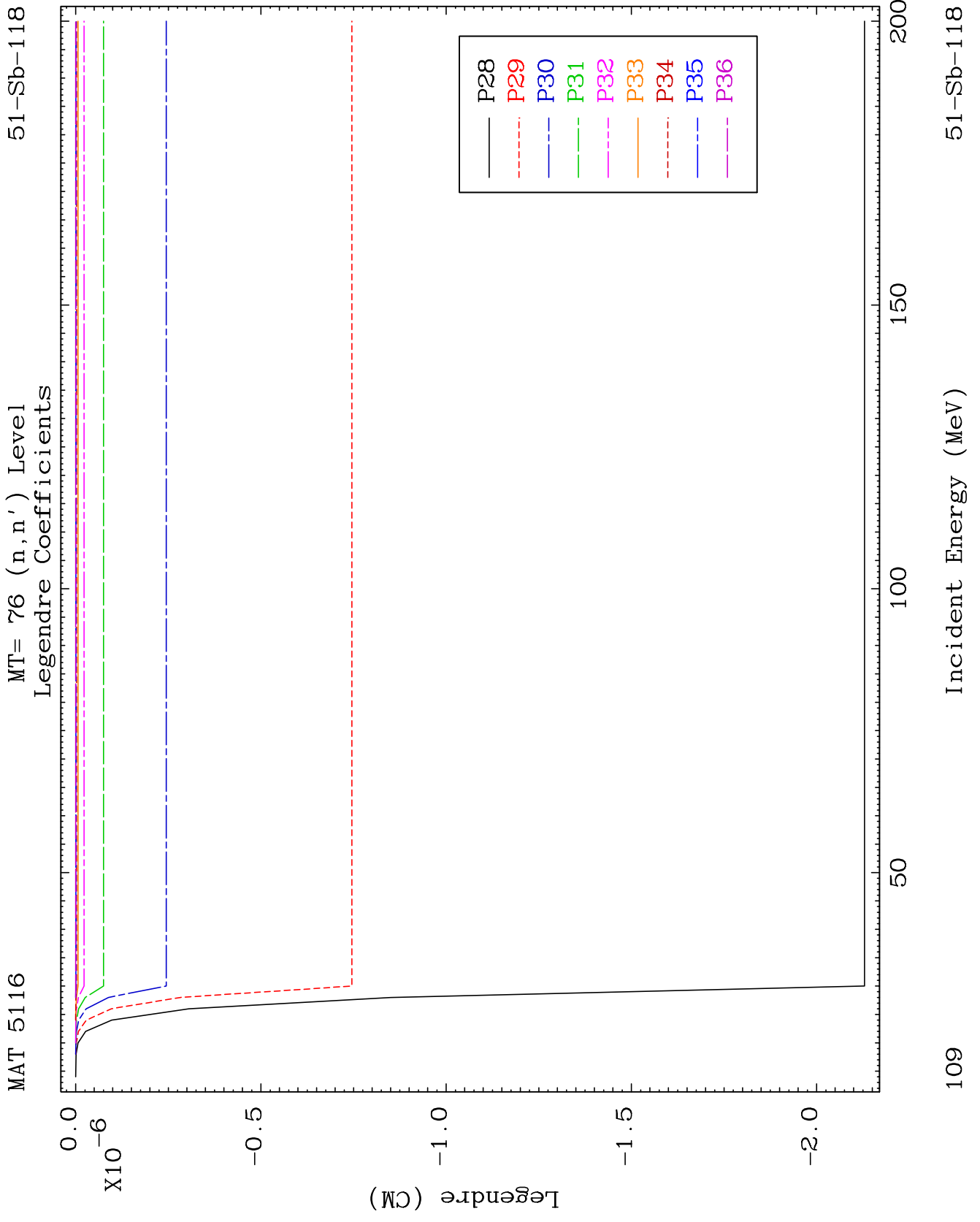
51-Sb-118



108

Incident Energy (MeV)

51-Sb-118



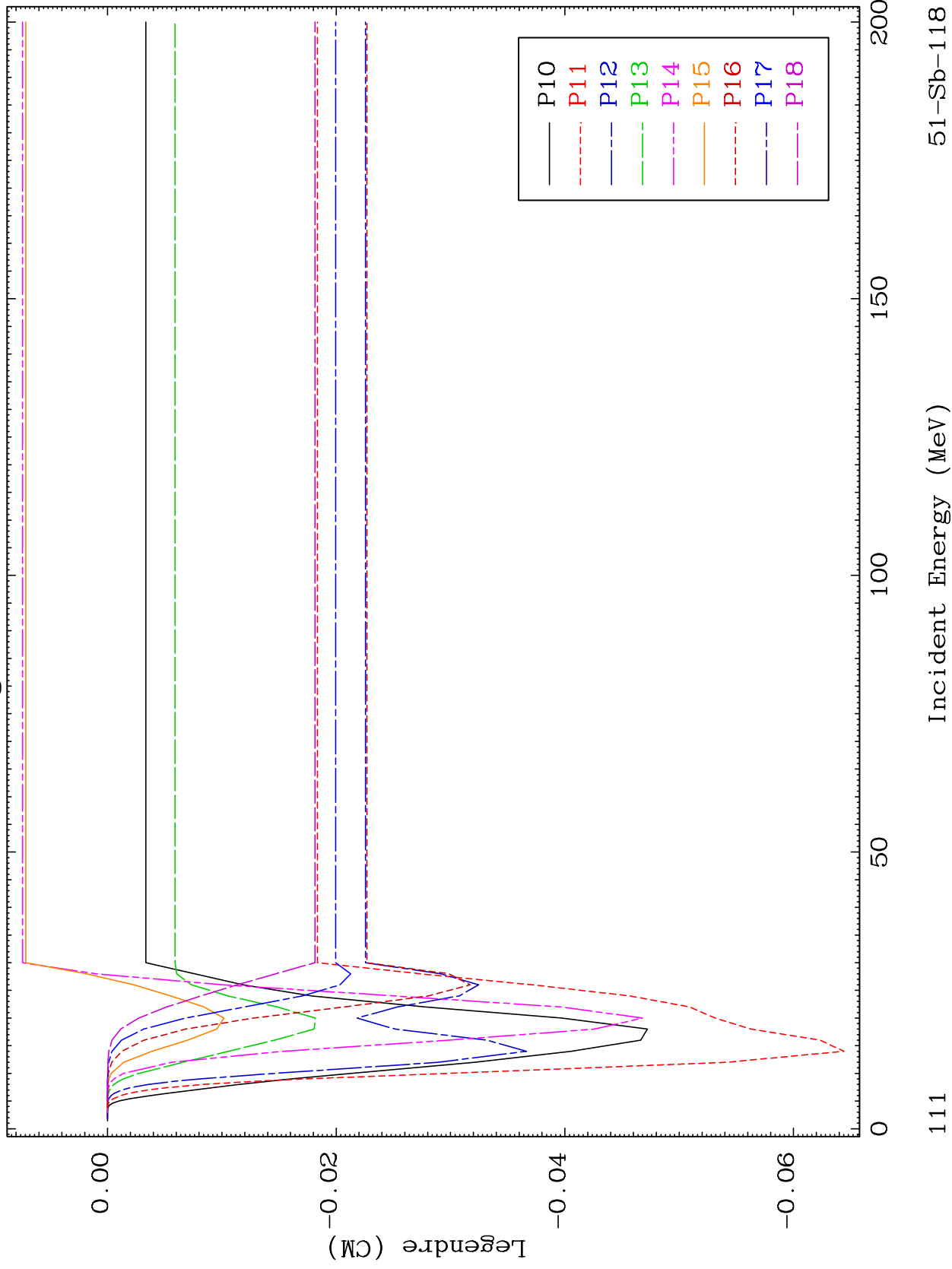


MAT 5116

MT= 77 (n,n') Level

51-Sb-118

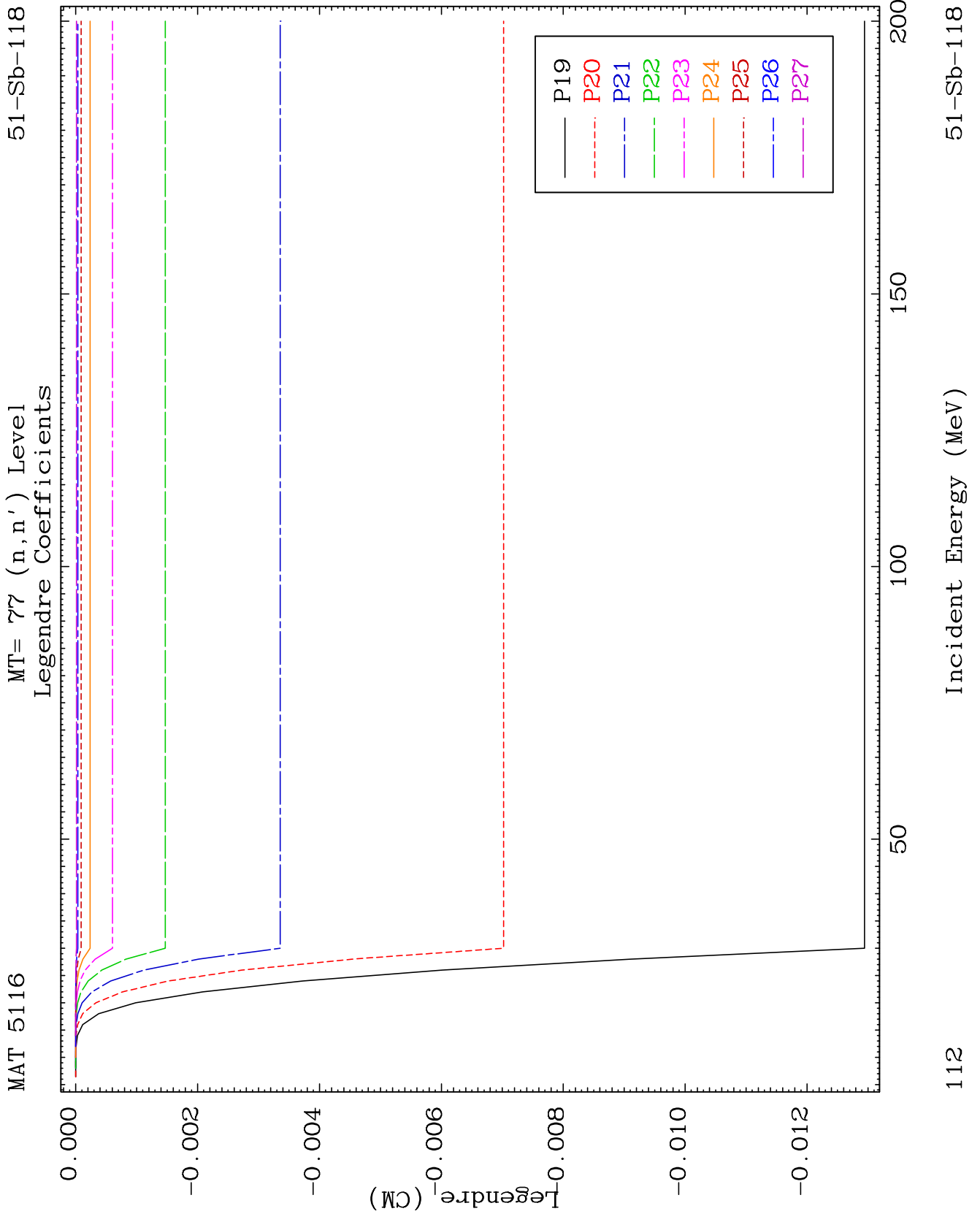
Legendre Coefficients

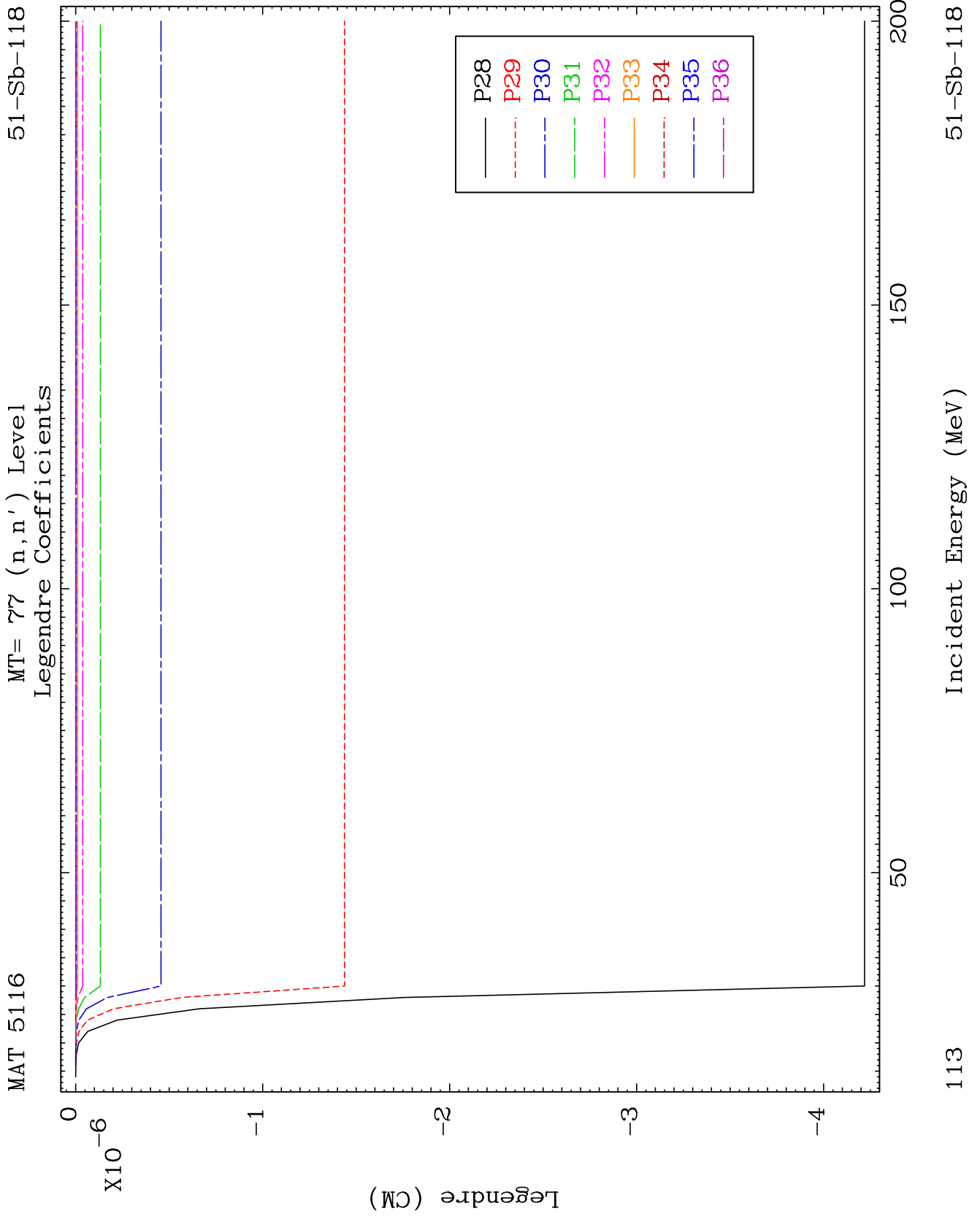


111

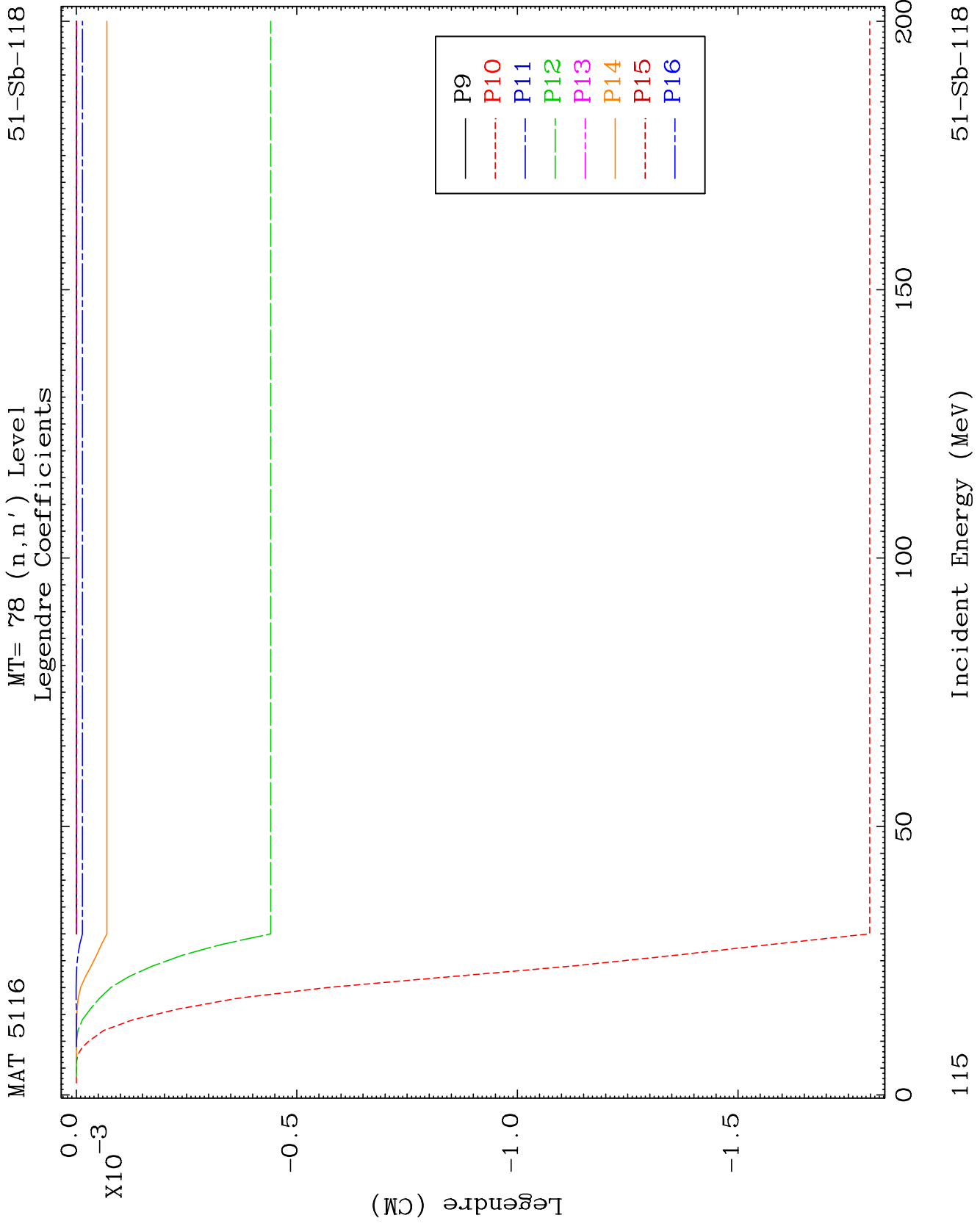
Incident Energy (MeV)

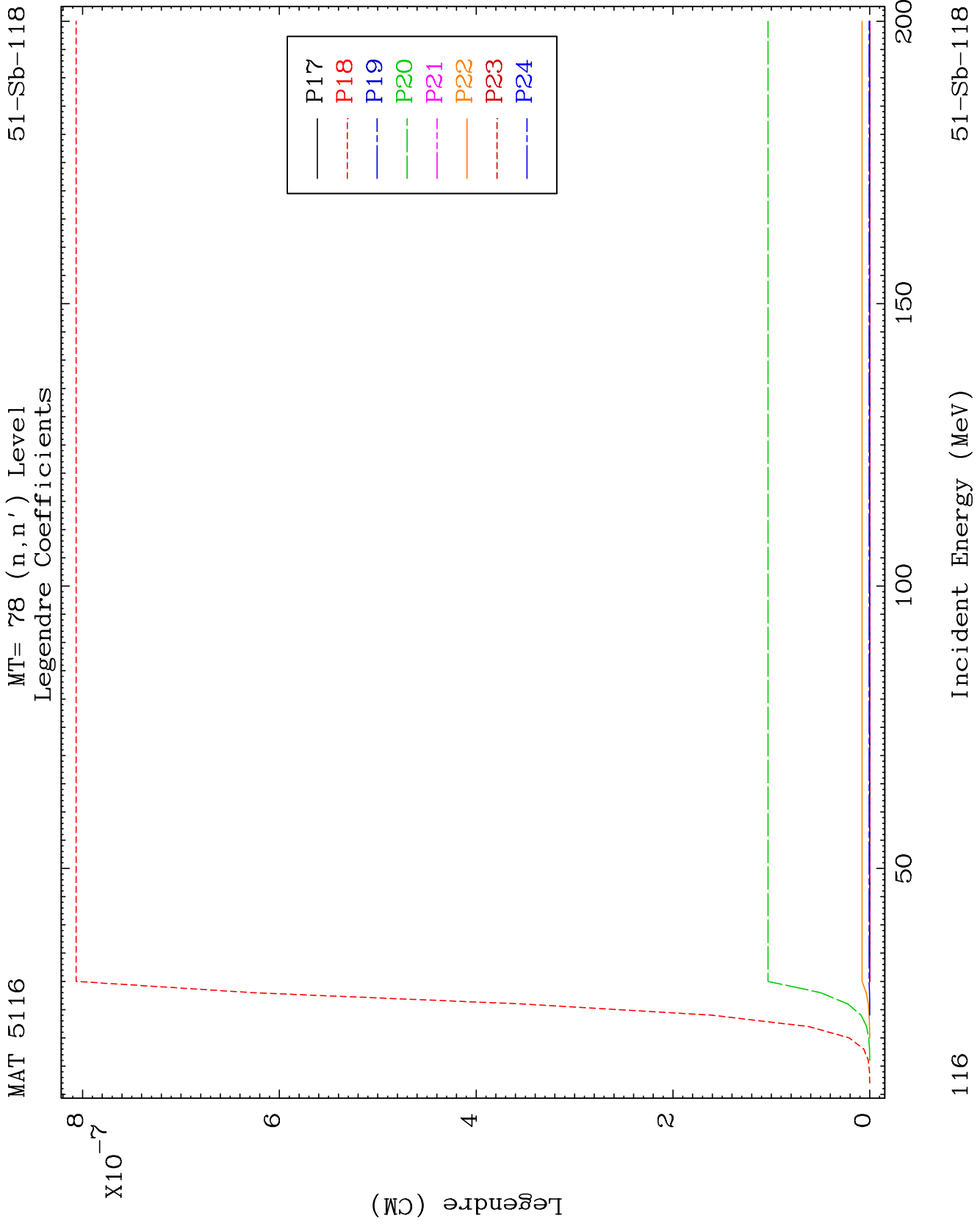
51-Sb-118









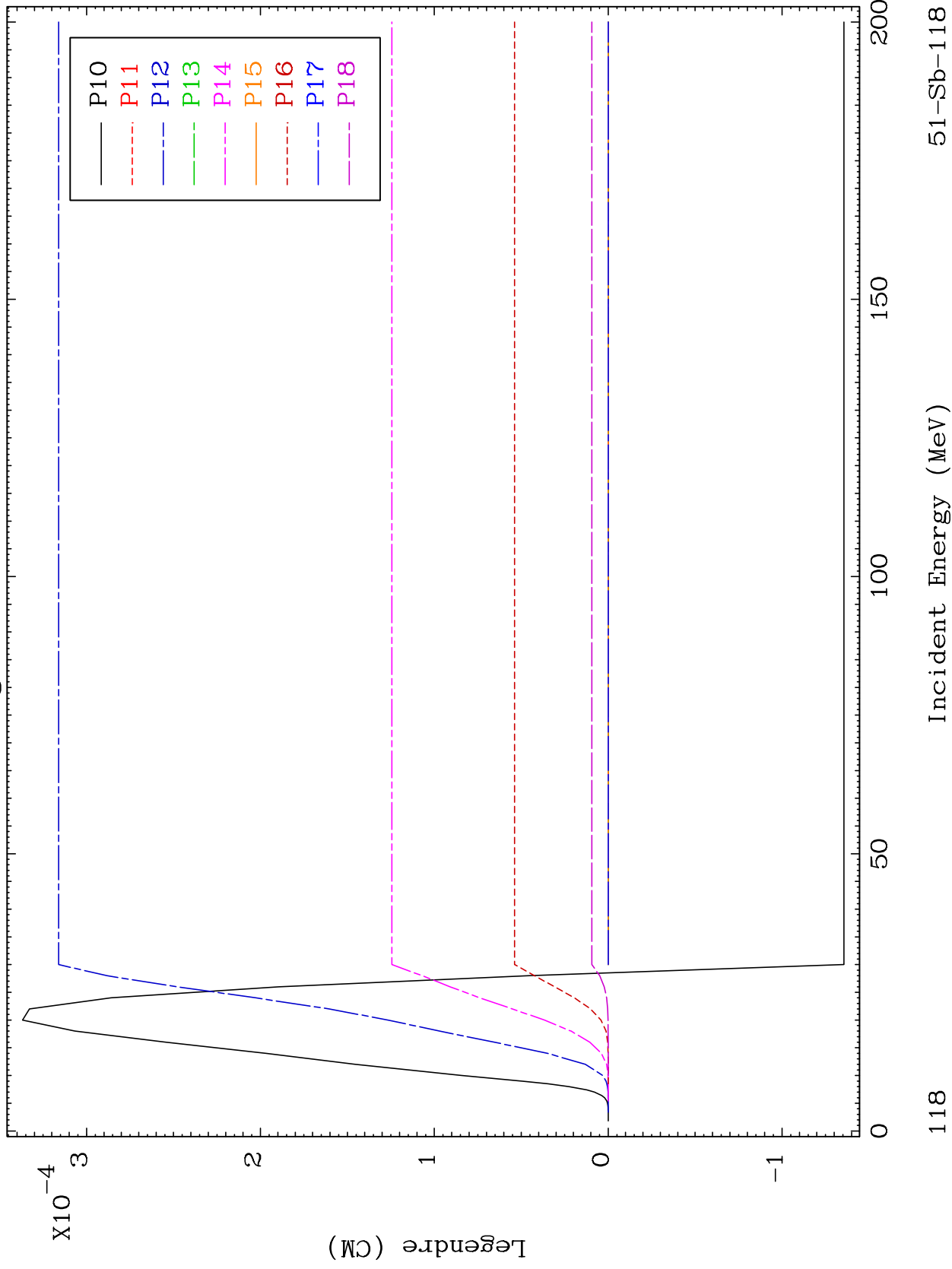




MAT 5116

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

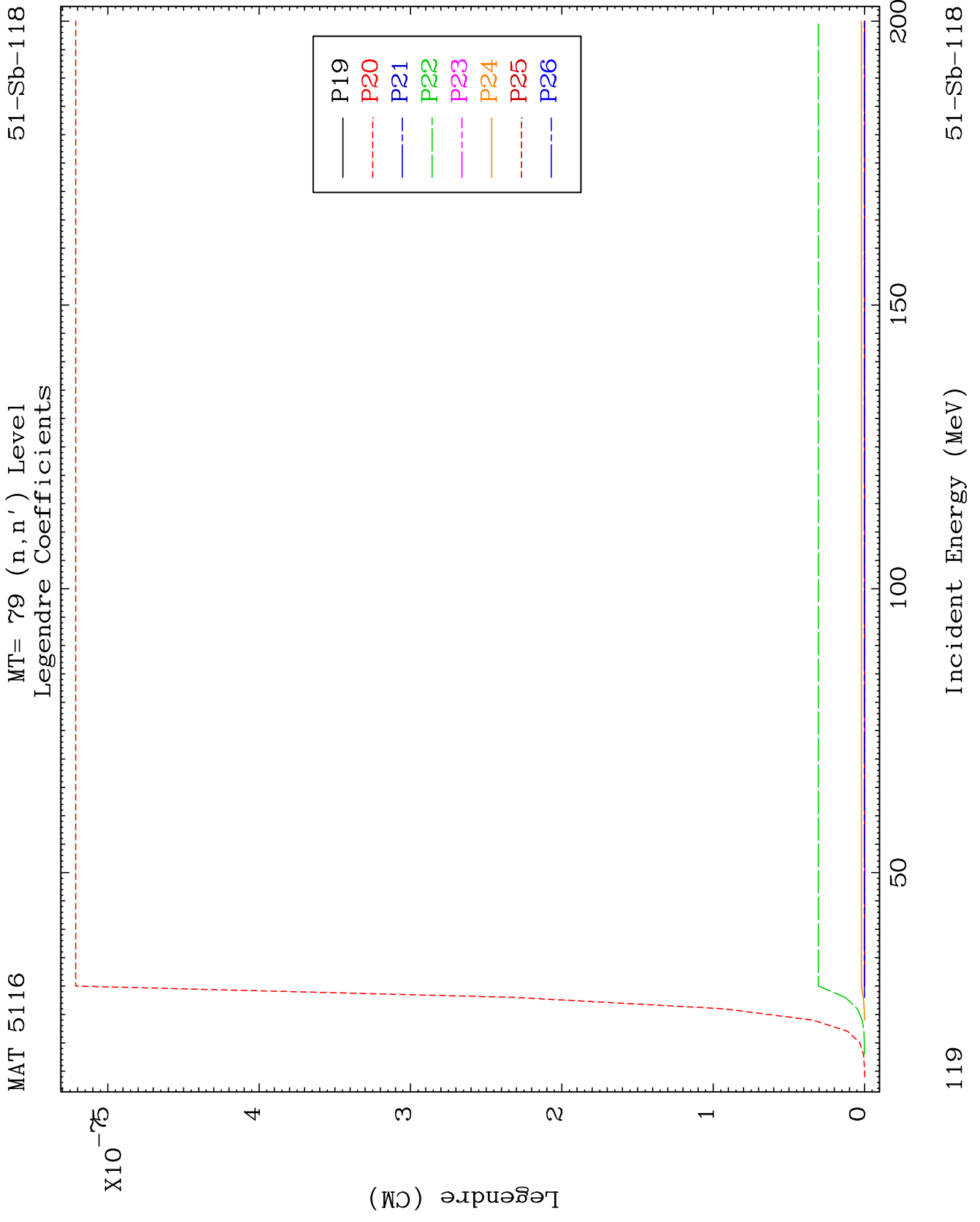
51-Sb-118



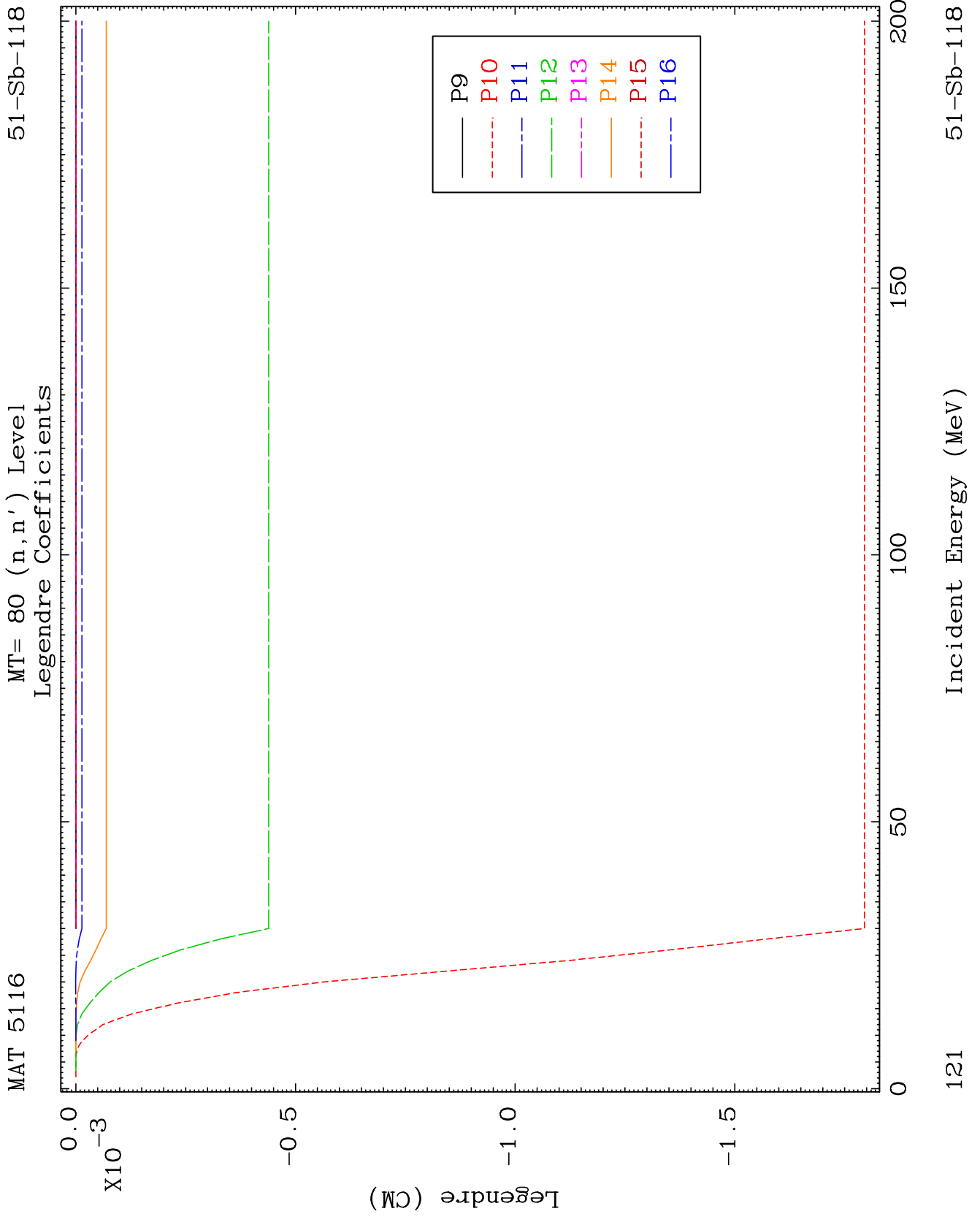
118

Incident Energy (MeV)

51-Sb-118



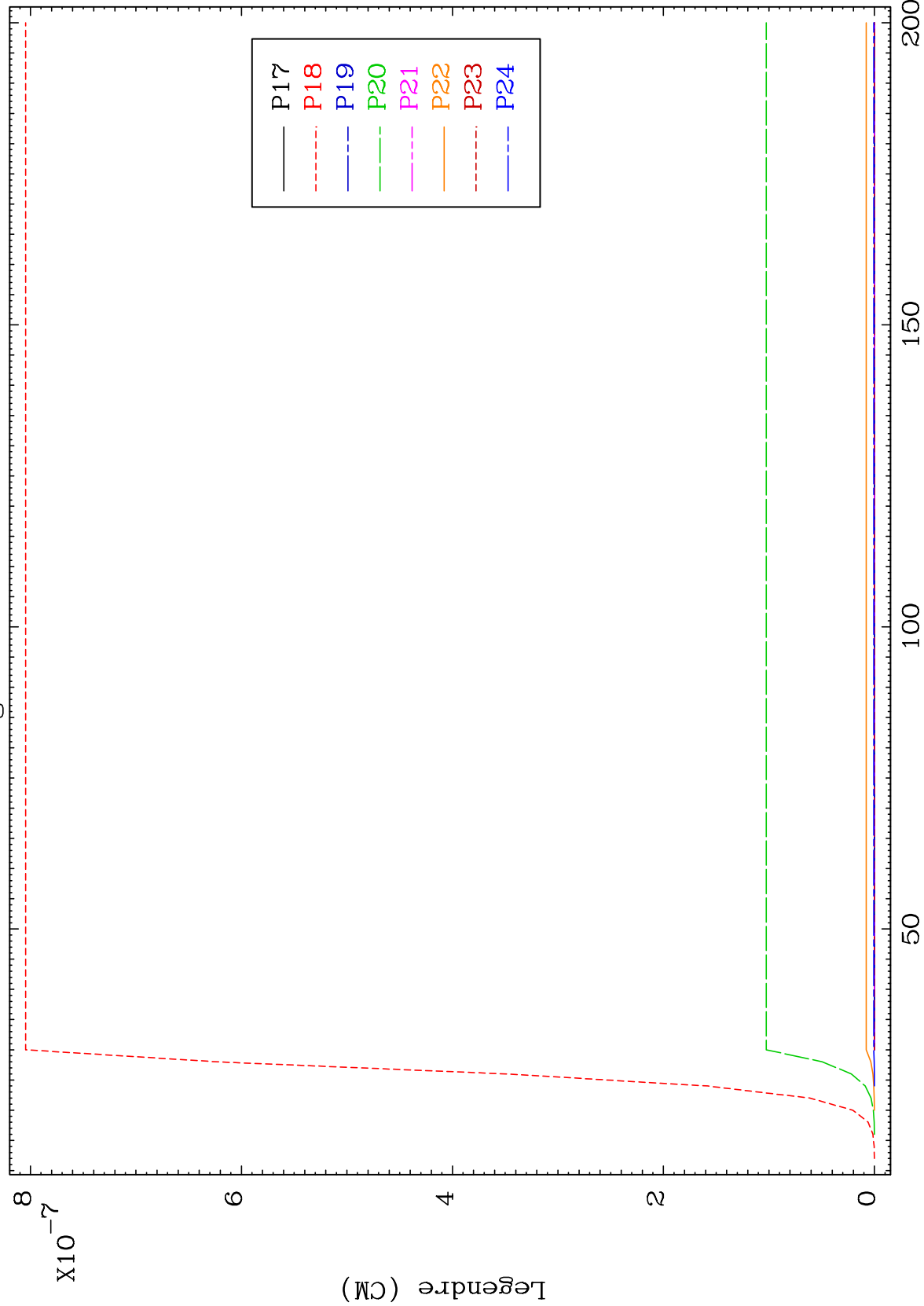




MAT 5116

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

51-Sb-118



51-Sb-118

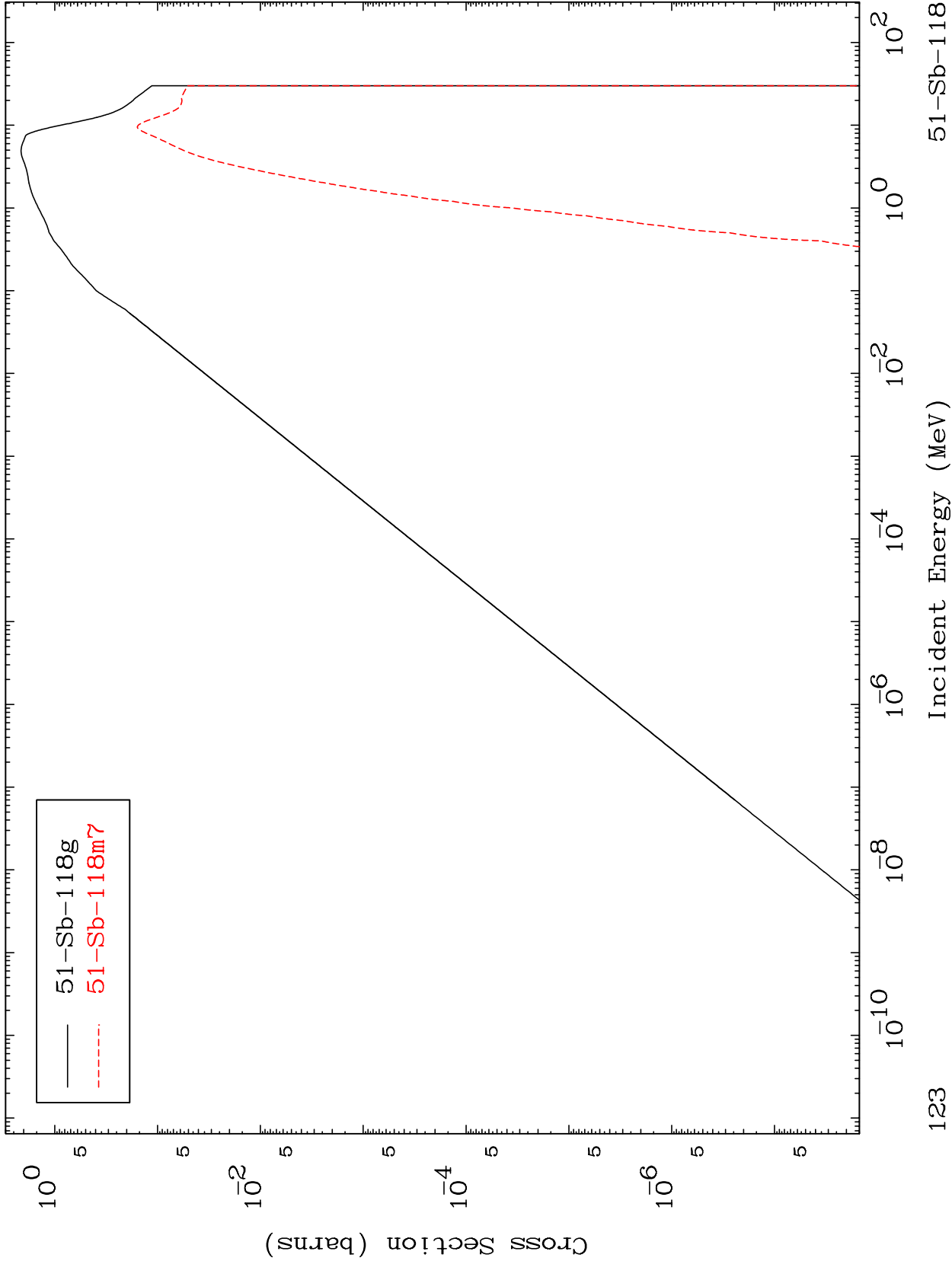
Incident Energy (MeV)

122

MAT 5116

Inelastic  
Radionuclide Production Cross Section

51-Sb-118

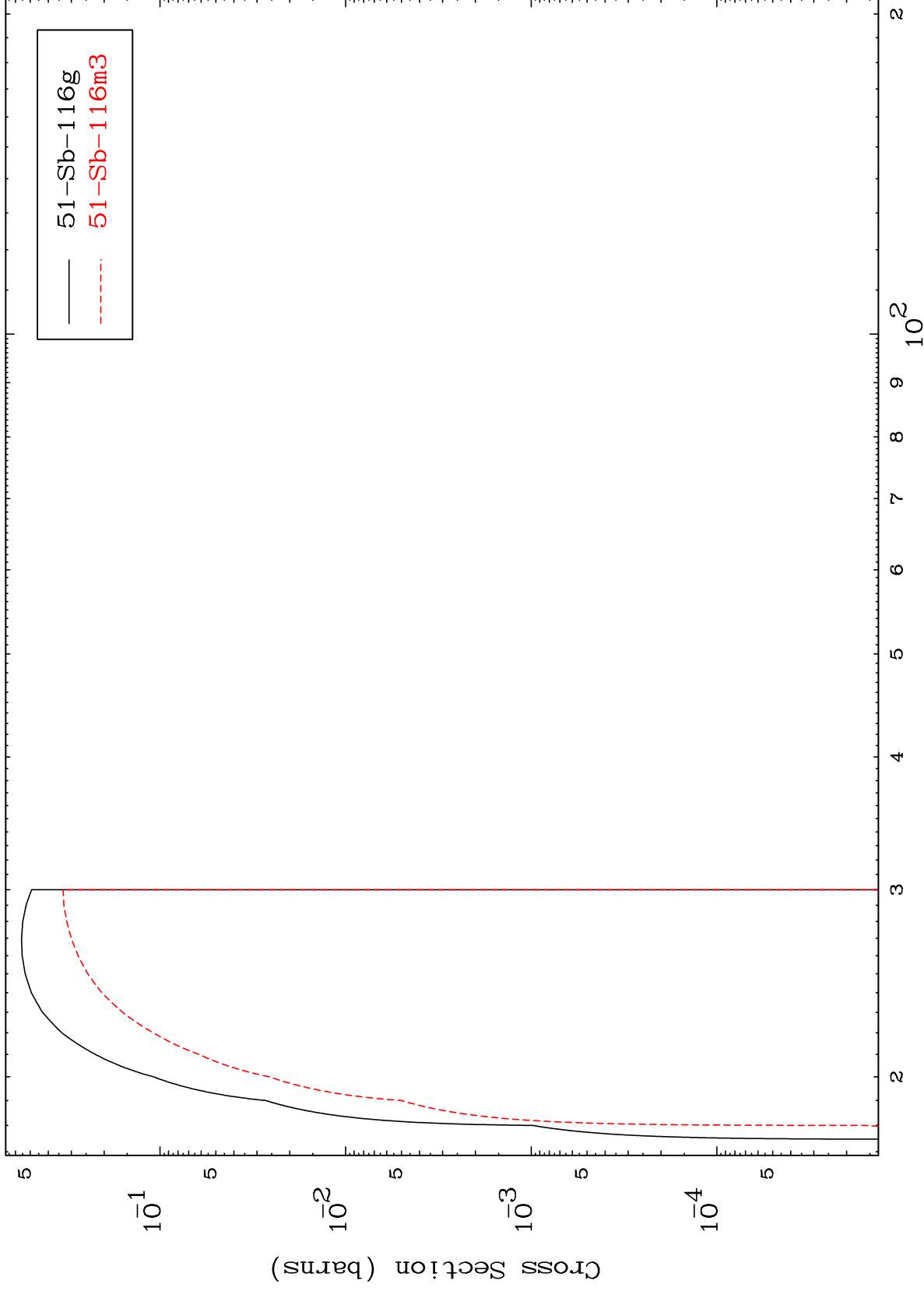


MAT 5116

(n,3n)

51-Sb-118

Radionuclide Production Cross Section



51-Sb-116g  
51-Sb-116m3

124

Incident Energy (MeV)

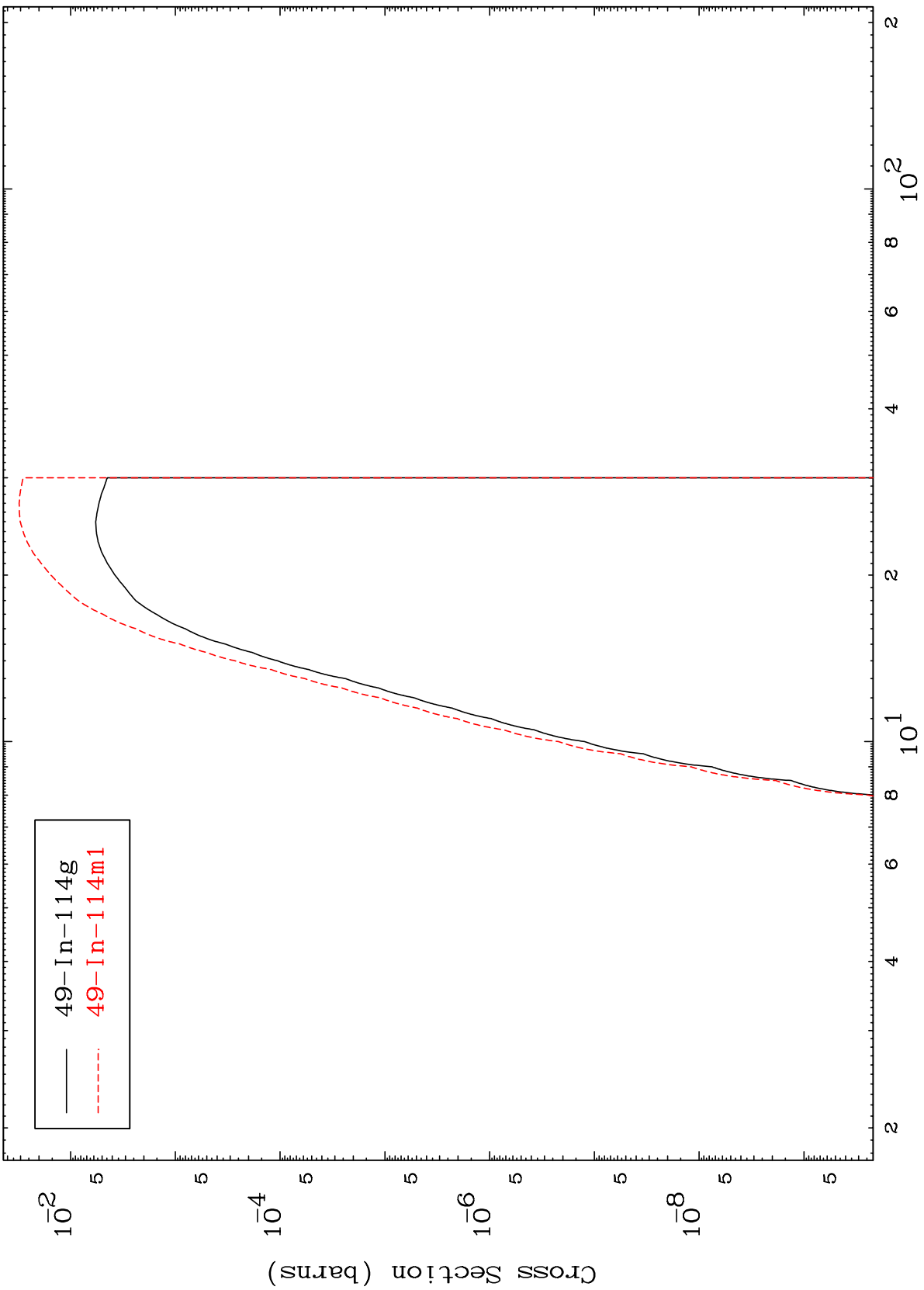
51-Sb-118

MAT 5116

51-Sb-118

(n,n')  $\alpha$

Radionuclide Production Cross Section



125

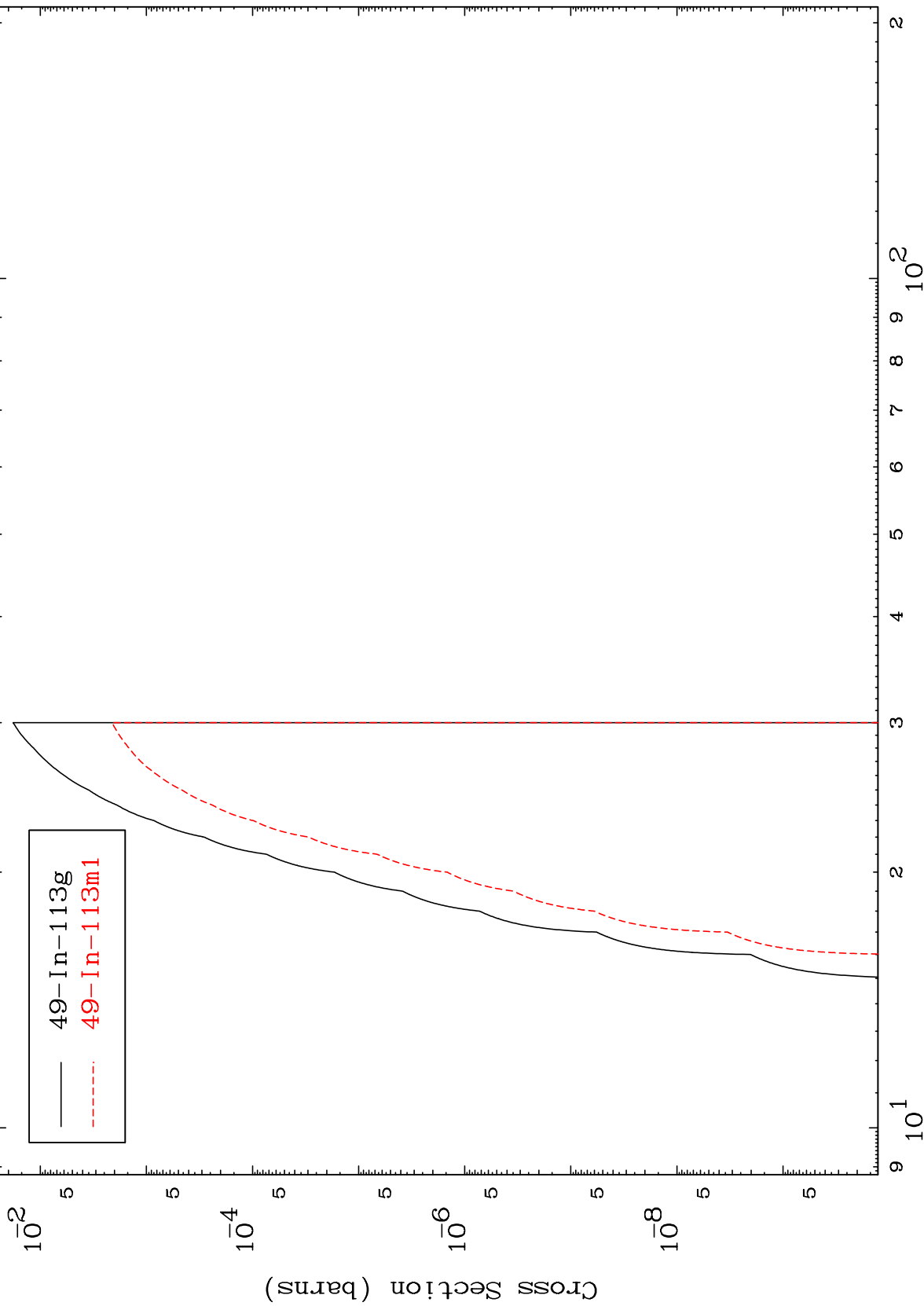
51-Sb-118

MAT 5116

(n,2n)  $\alpha$

51-Sb-118

Radionuclide Production Cross Section



126

Incident Energy (MeV)

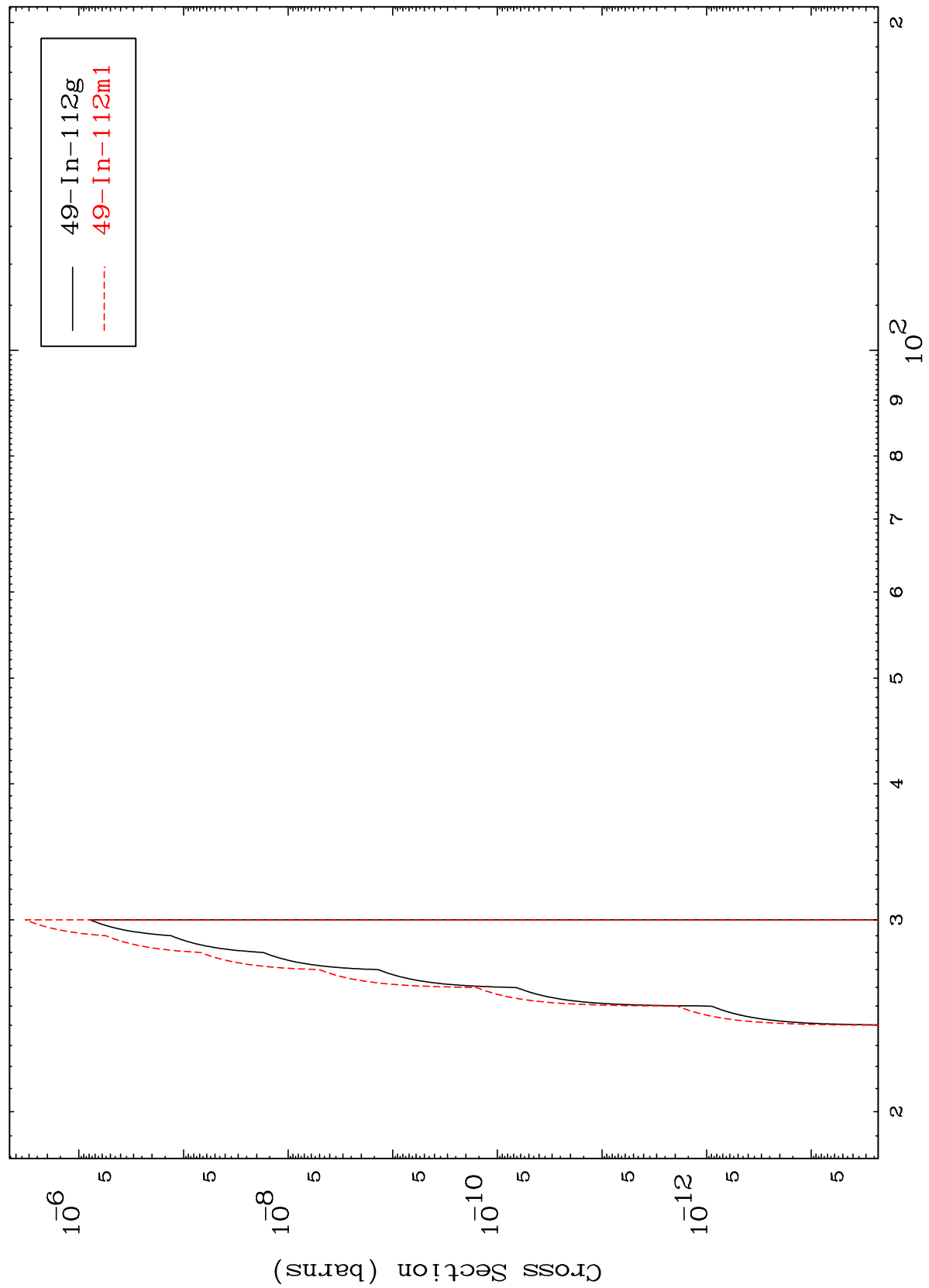
51-Sb-118

MAT 51116

(n,3n)  $\alpha$

51-Sb-118

Radionuclide Production Cross Section



127

Incident Energy (MeV)

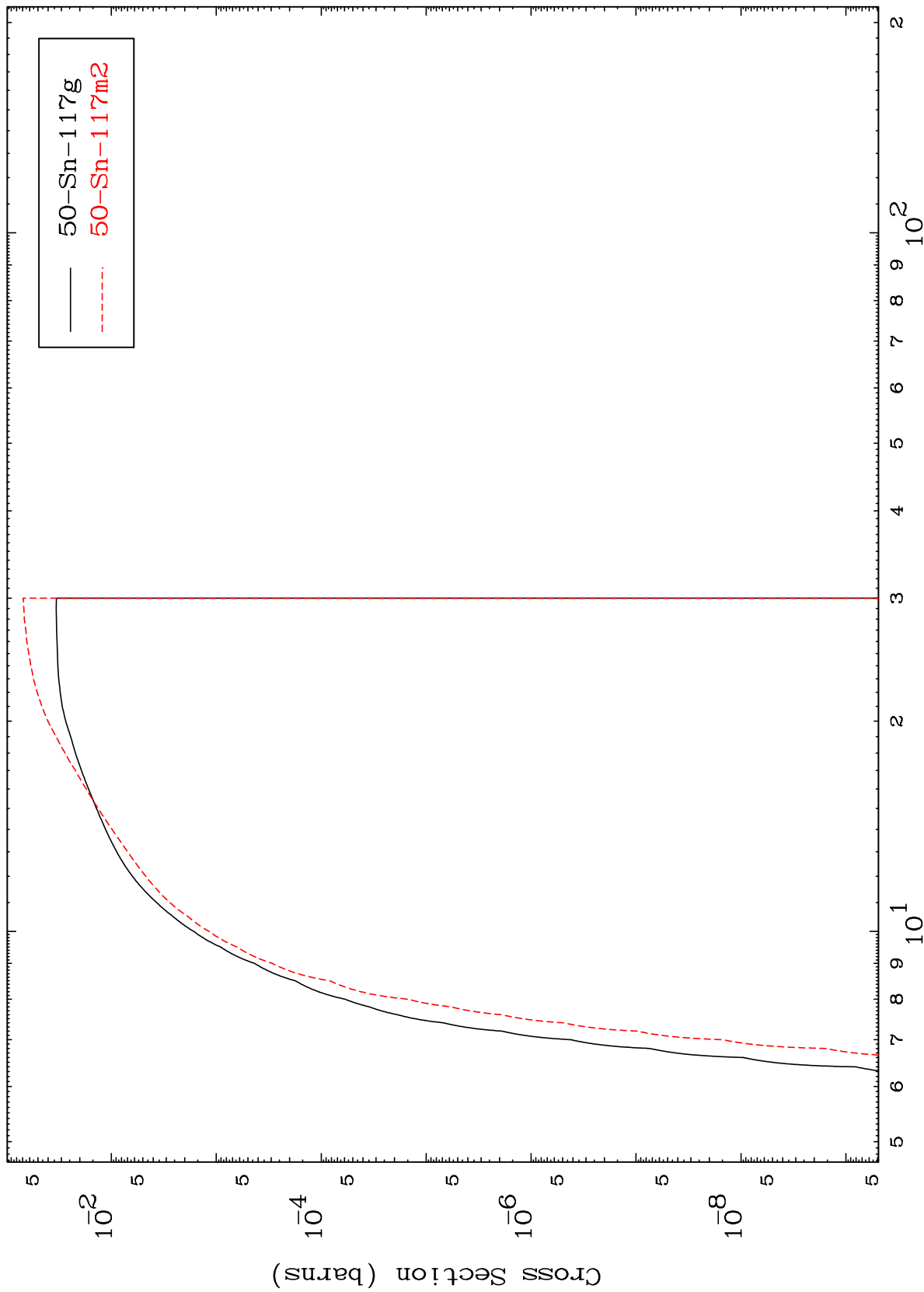
51-Sb-118

MAT 5116

(n,n') p

51-Sb-118

Radionuclide Production Cross Section



128

Incident Energy (MeV)

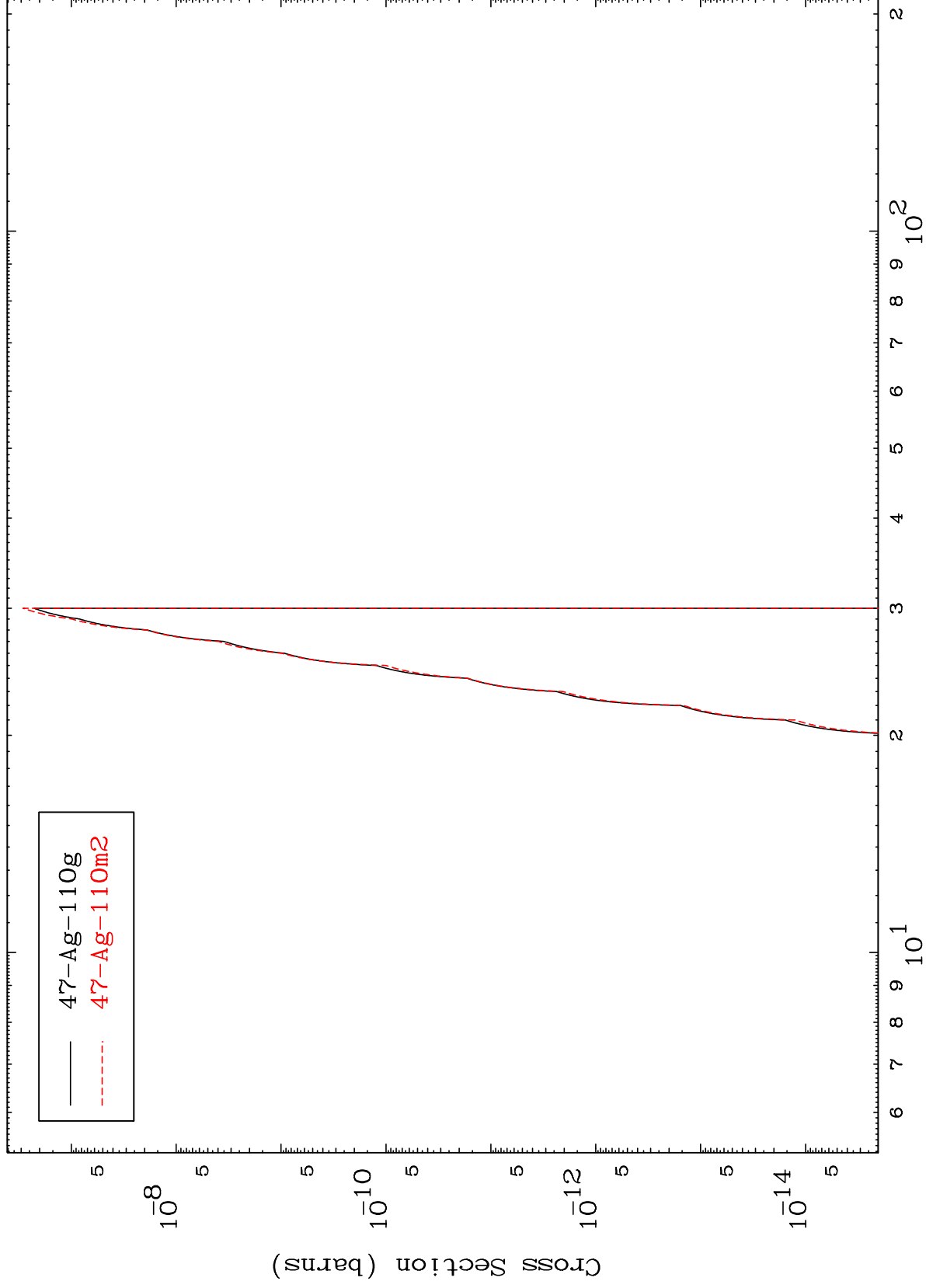
51-Sb-118

MAT 5116

(n,n') 2α

51-Sb-118

Radionuclide Production Cross Section



129

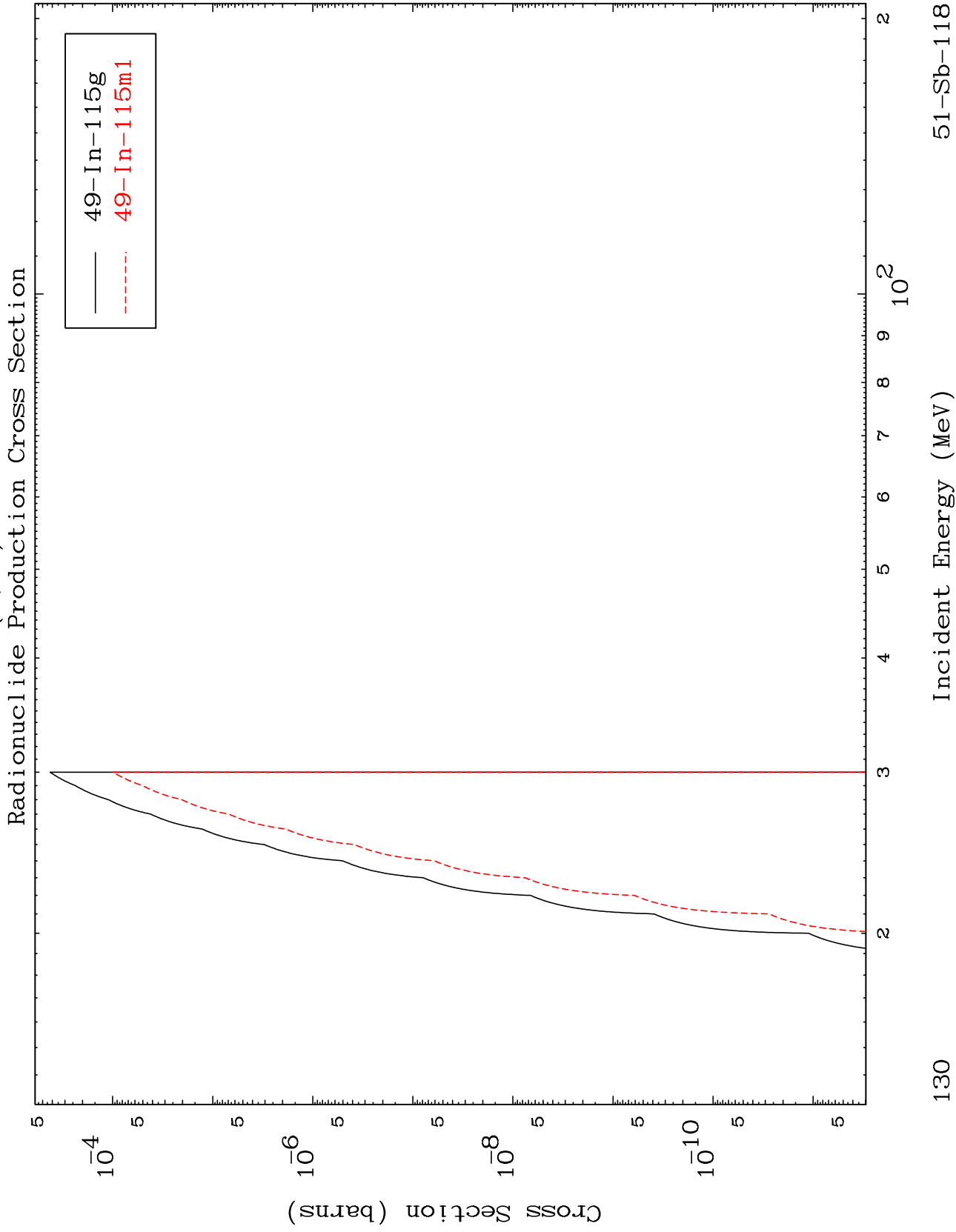
Incident Energy (MeV)

51-Sb-118

MAT 51116

(n,n') He-3

51-Sb-118



130

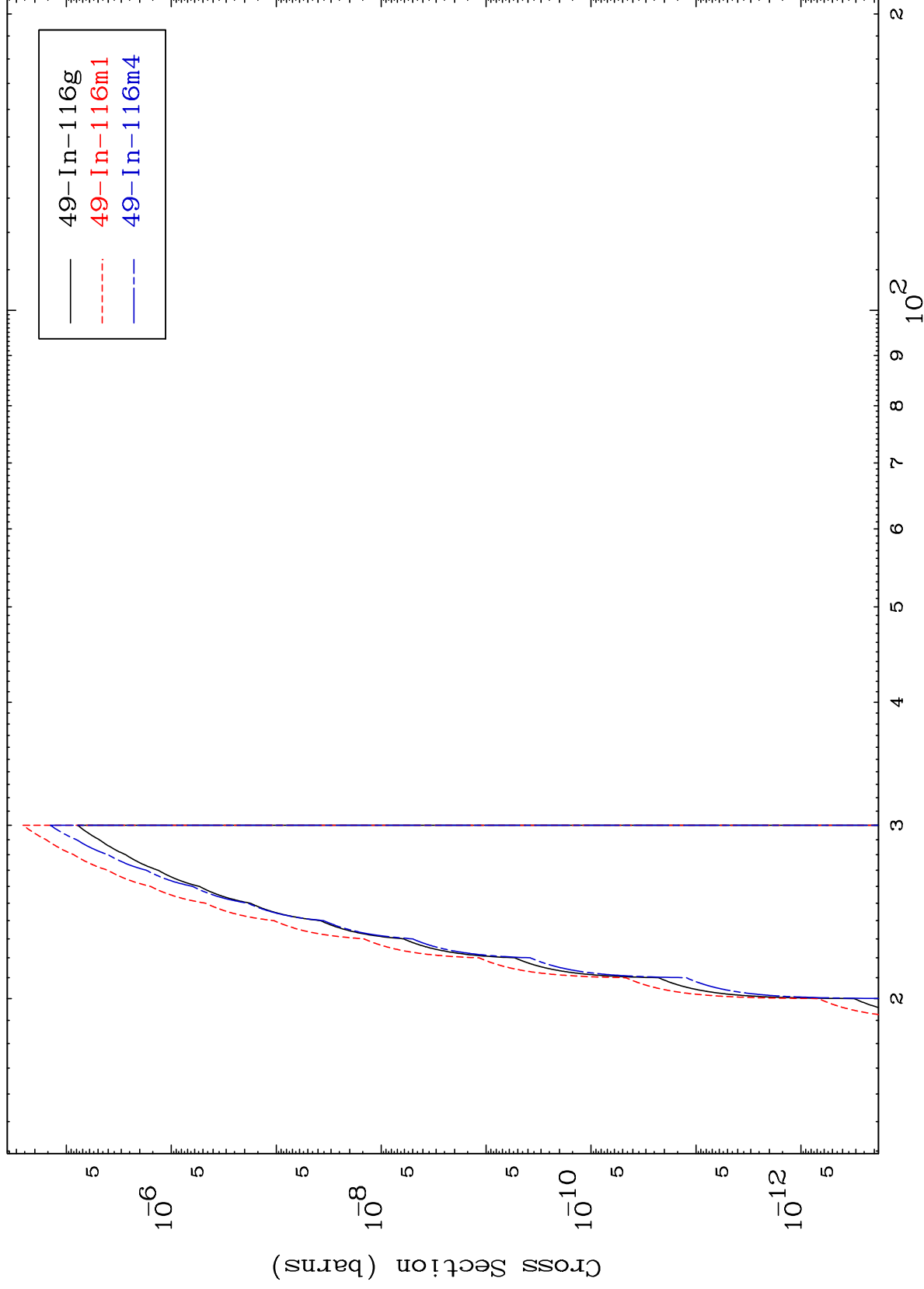
51-Sb-118

MAT 51116

(n,2n) p

51-Sb-118

Radionuclide Production Cross Section



131

Incident Energy (MeV)

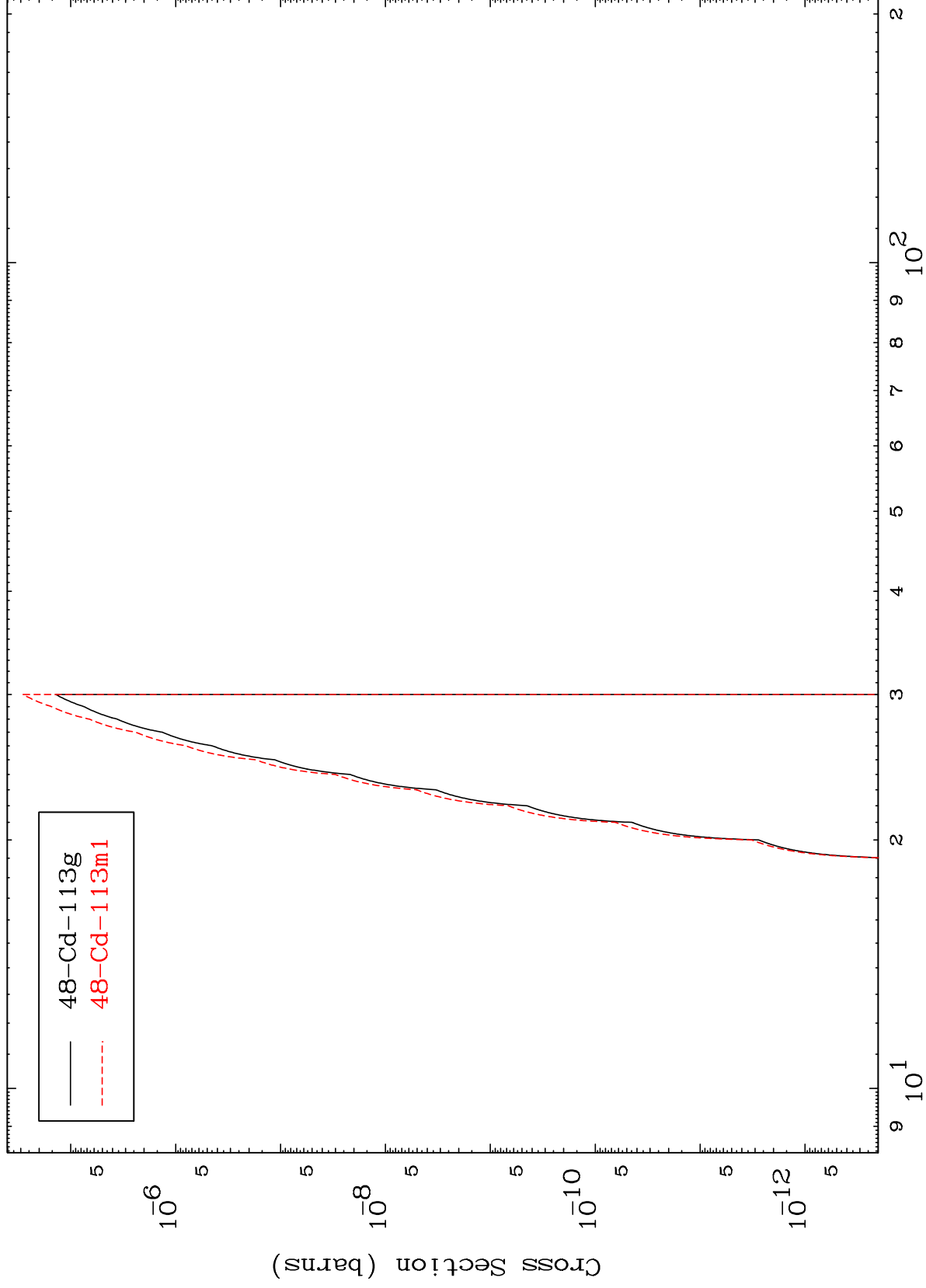
51-Sb-118

MAT 5116

(n,n') p  $\alpha$

51-Sb-118

Radionuclide Production Cross Section



132

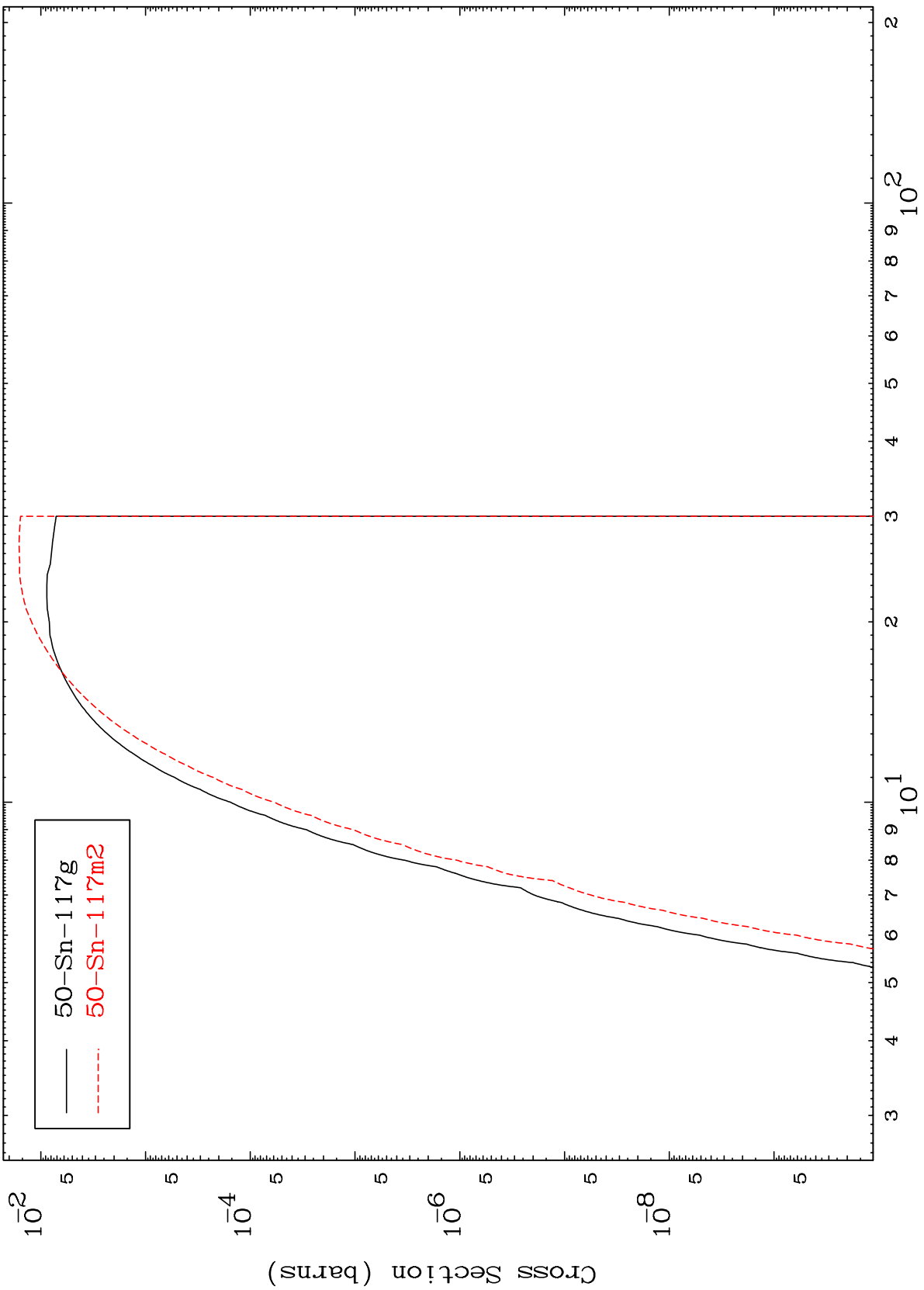
Incident Energy (MeV)

51-Sb-118

MAT 5116

51-Sb-118

(n,d)  
Radionuclide Production Cross Section



— 50-Sn-117g  
- - - 50-Sn-117m2

51-Sb-118

Incident Energy (MeV)

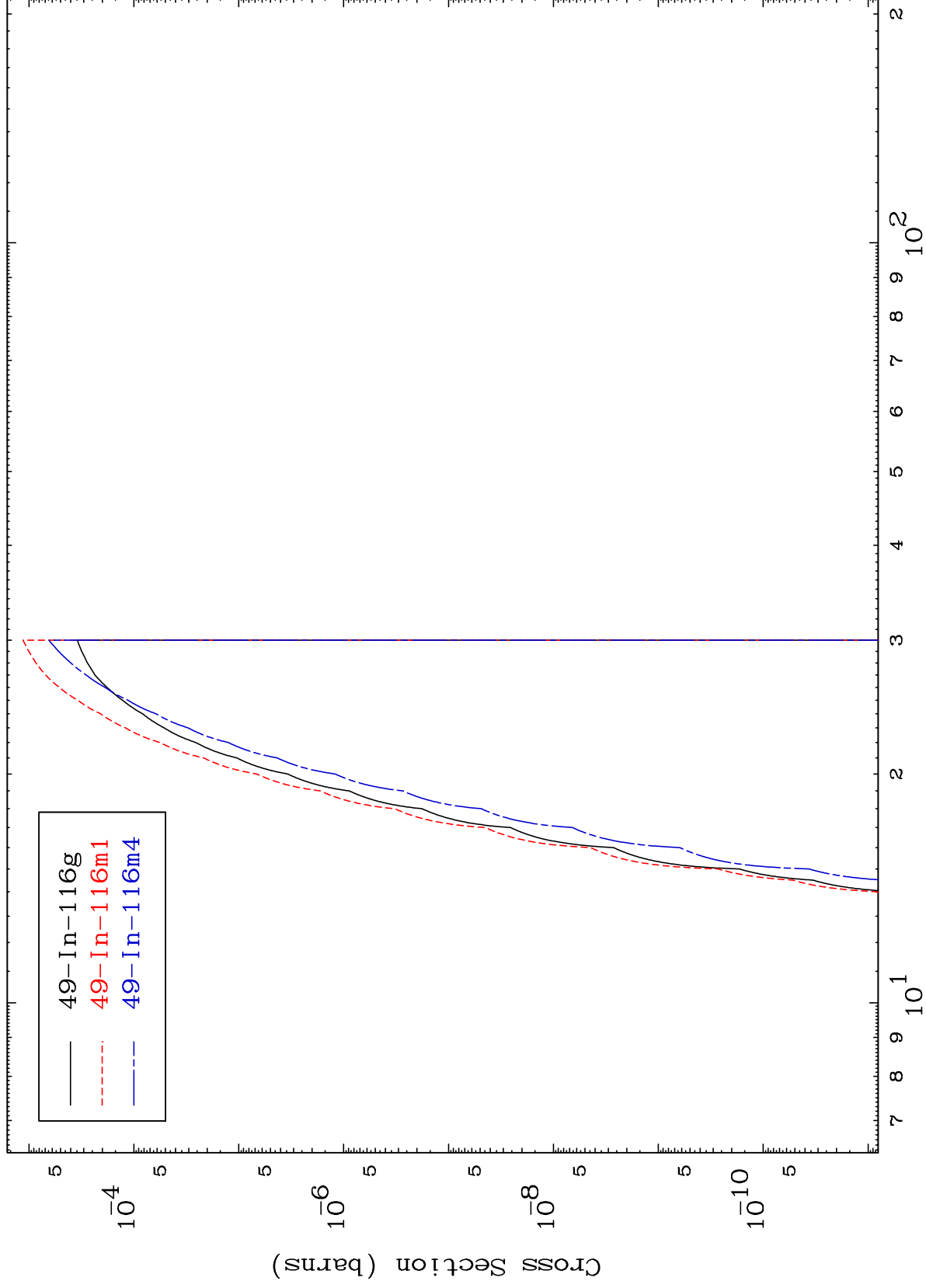
133

MAT 5116

(n,He-3)

51-Sb-118

Radionuclide Production Cross Section



134

Incident Energy (MeV)

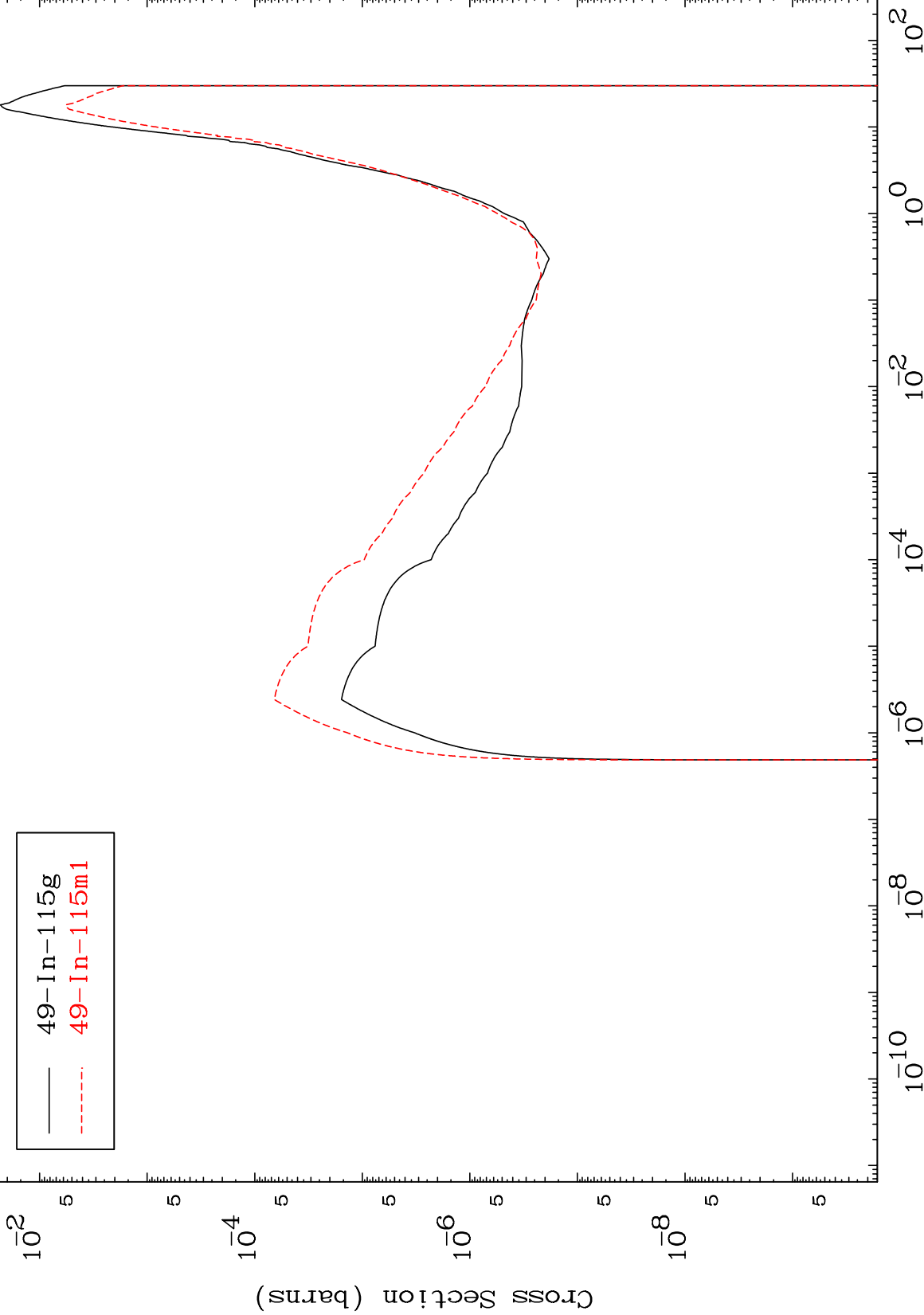
51-Sb-118

MAT 5116

(n,  $\alpha$ )

51-Sb-118

Radionuclide Production Cross Section



135

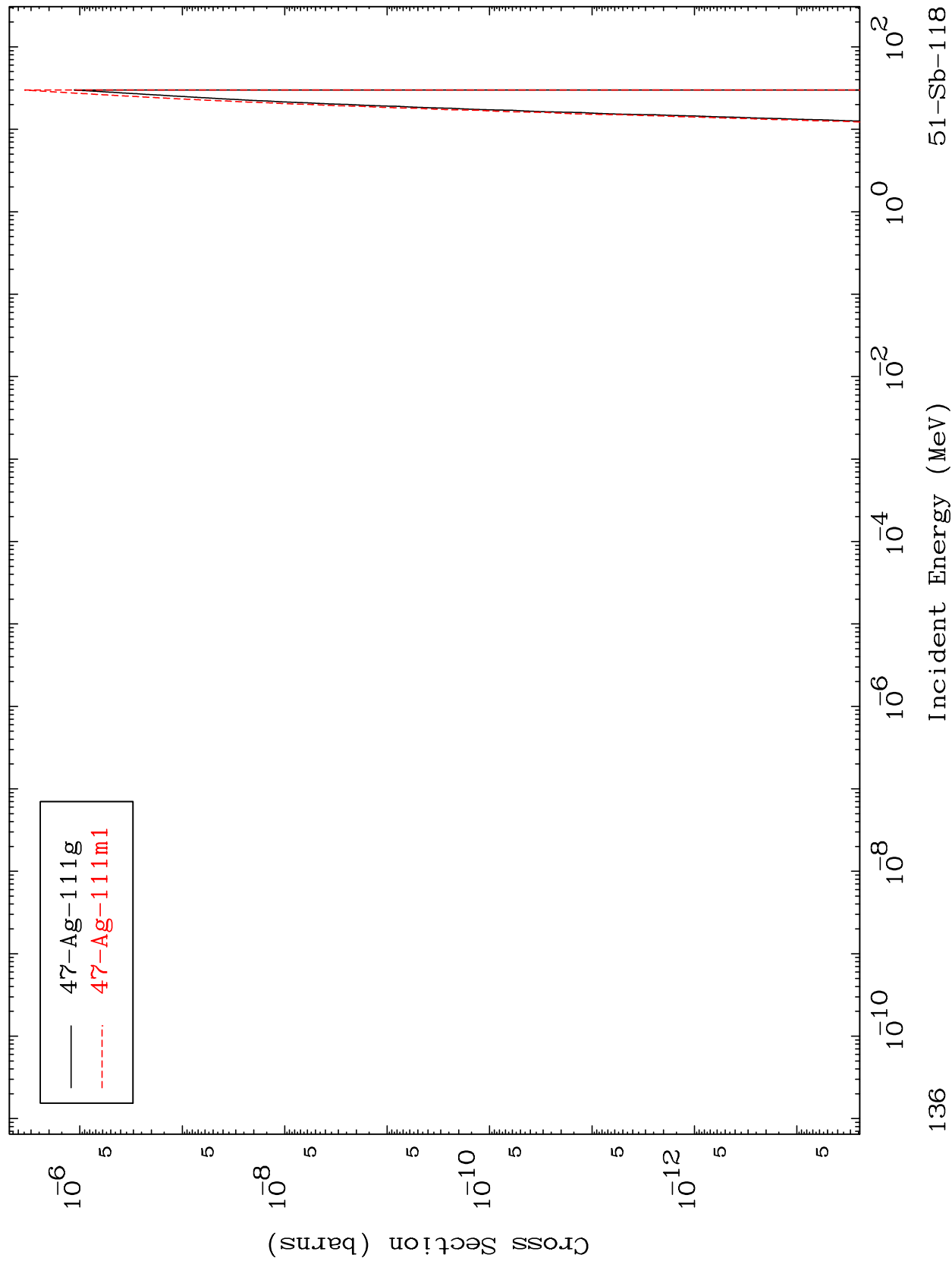
Incident Energy (MeV)

51-Sb-118

MAT 5116

51-Sb-118

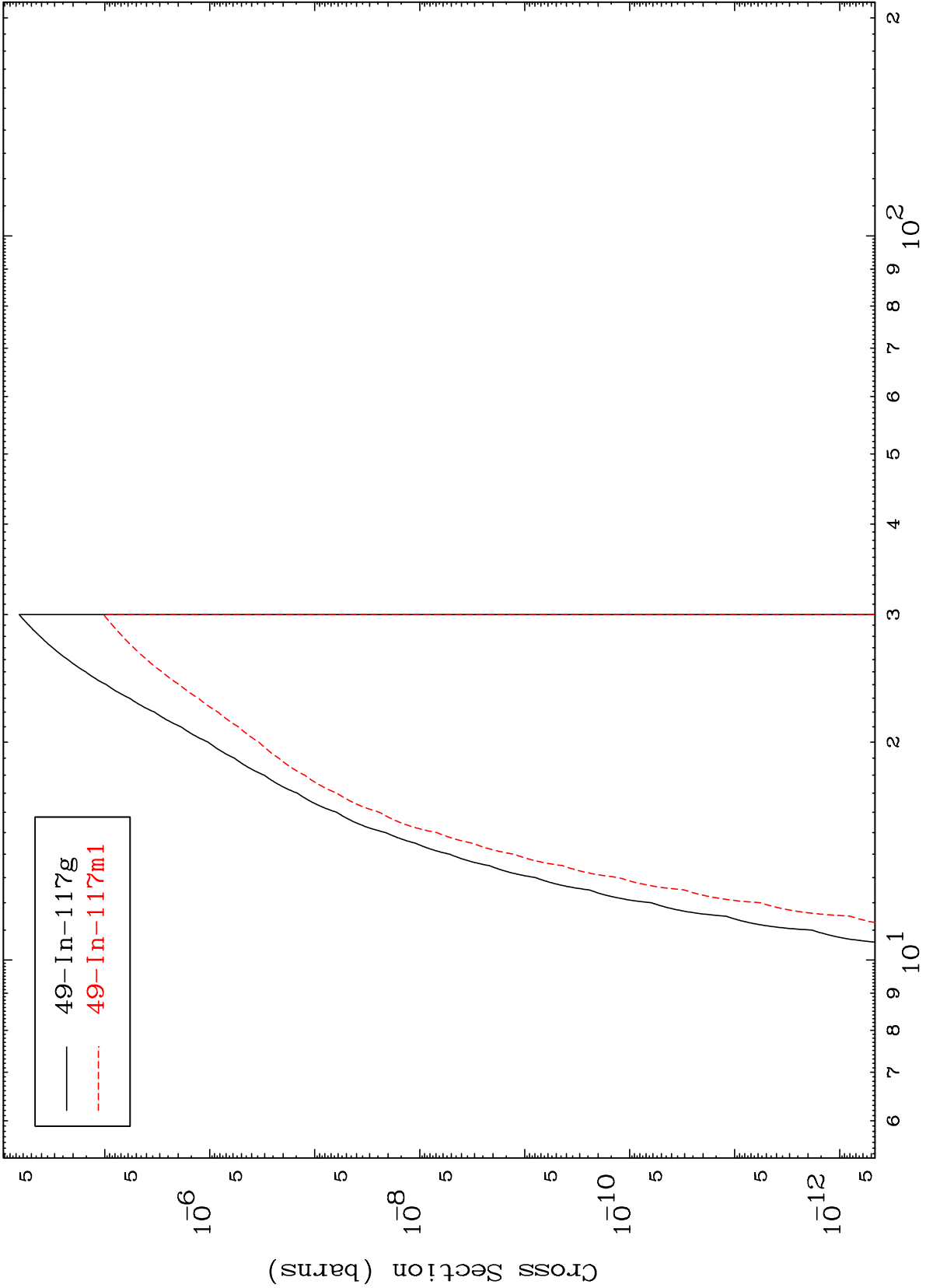
(n,2α)  
Radionuclide Production Cross Section



MAT 5116

51-Sb-118

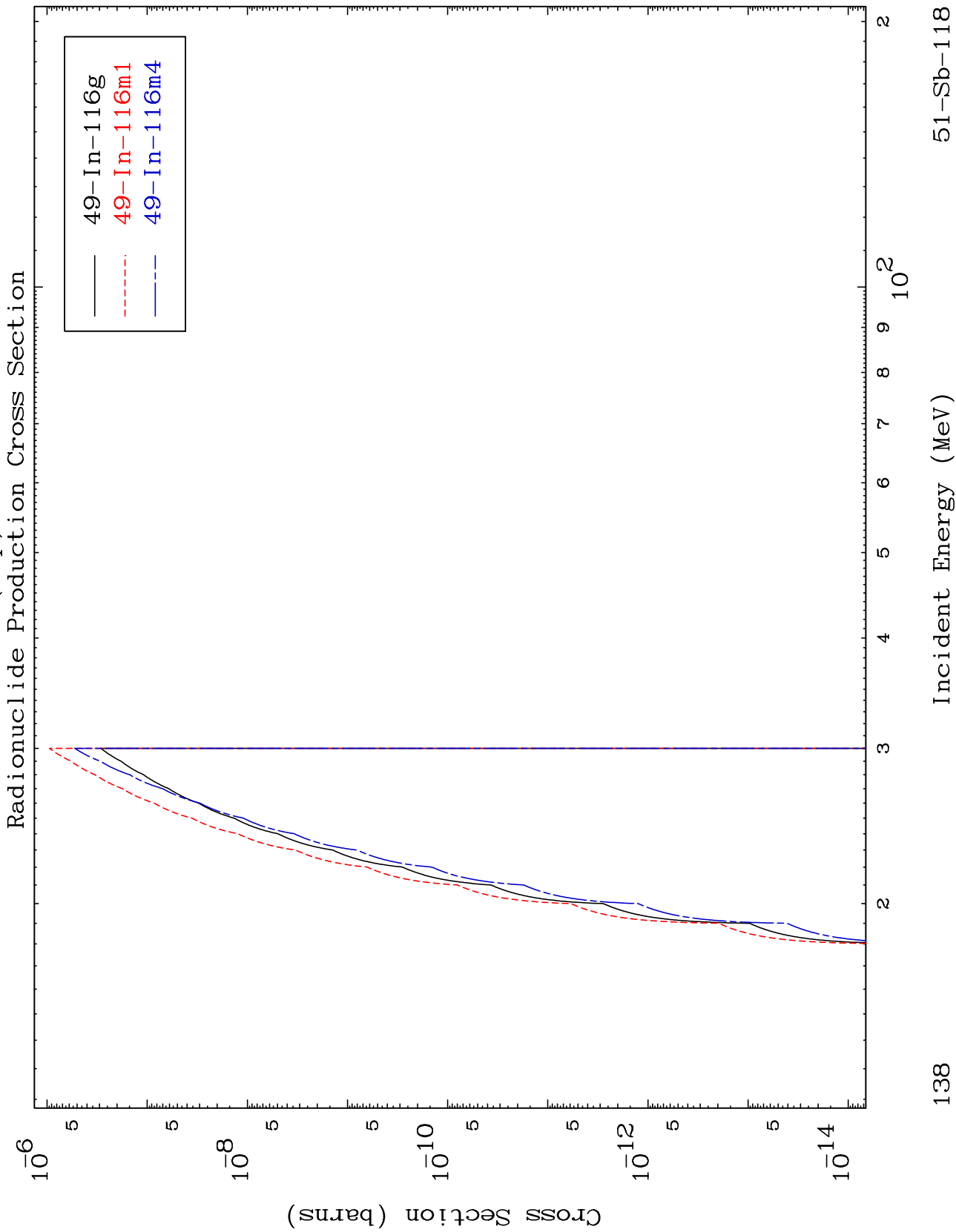
(n,2p)  
Radionuclide Production Cross Section



137

Incident Energy (MeV)

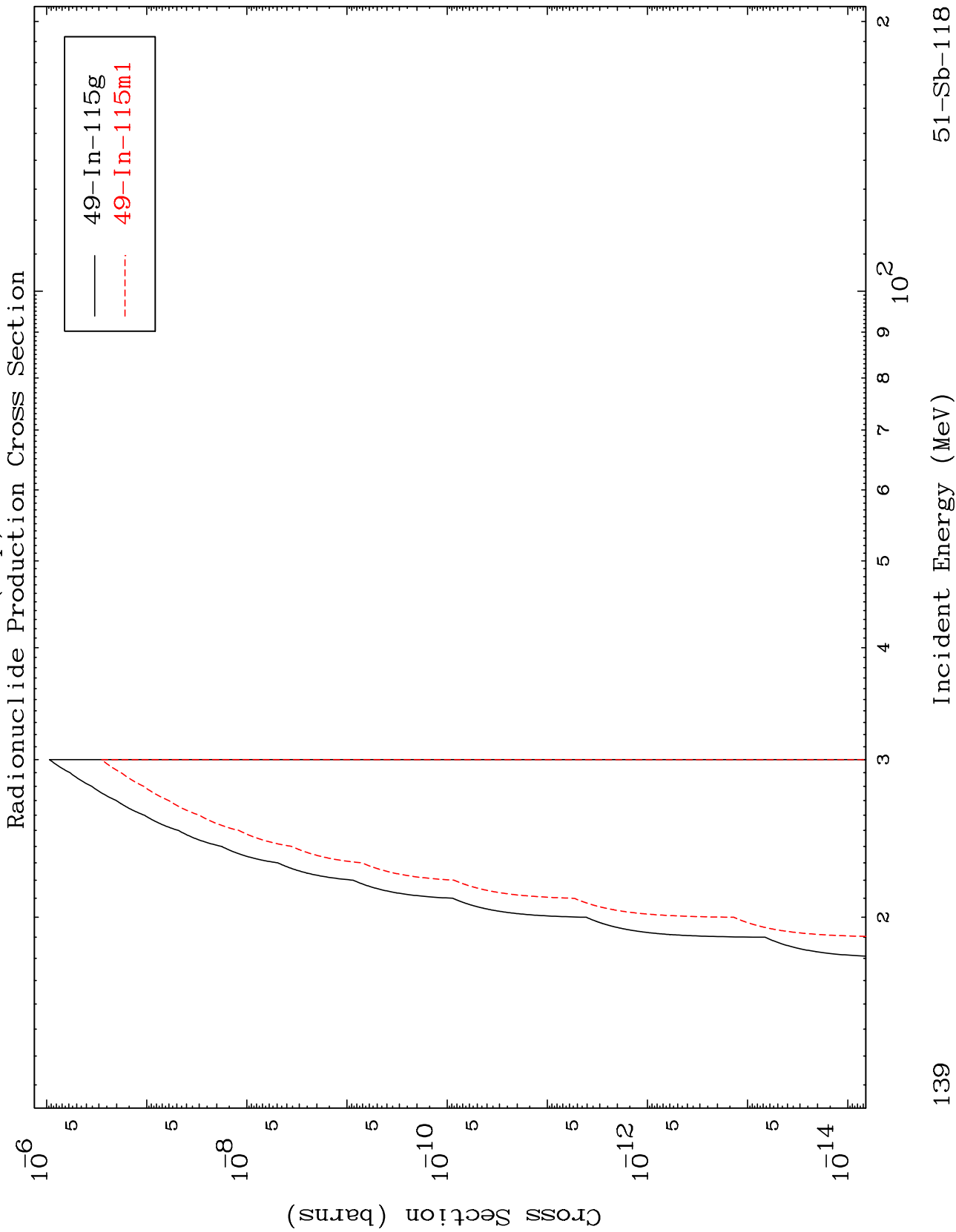
51-Sb-118



MAT 5116

(n,p) t

51-Sb-118



139

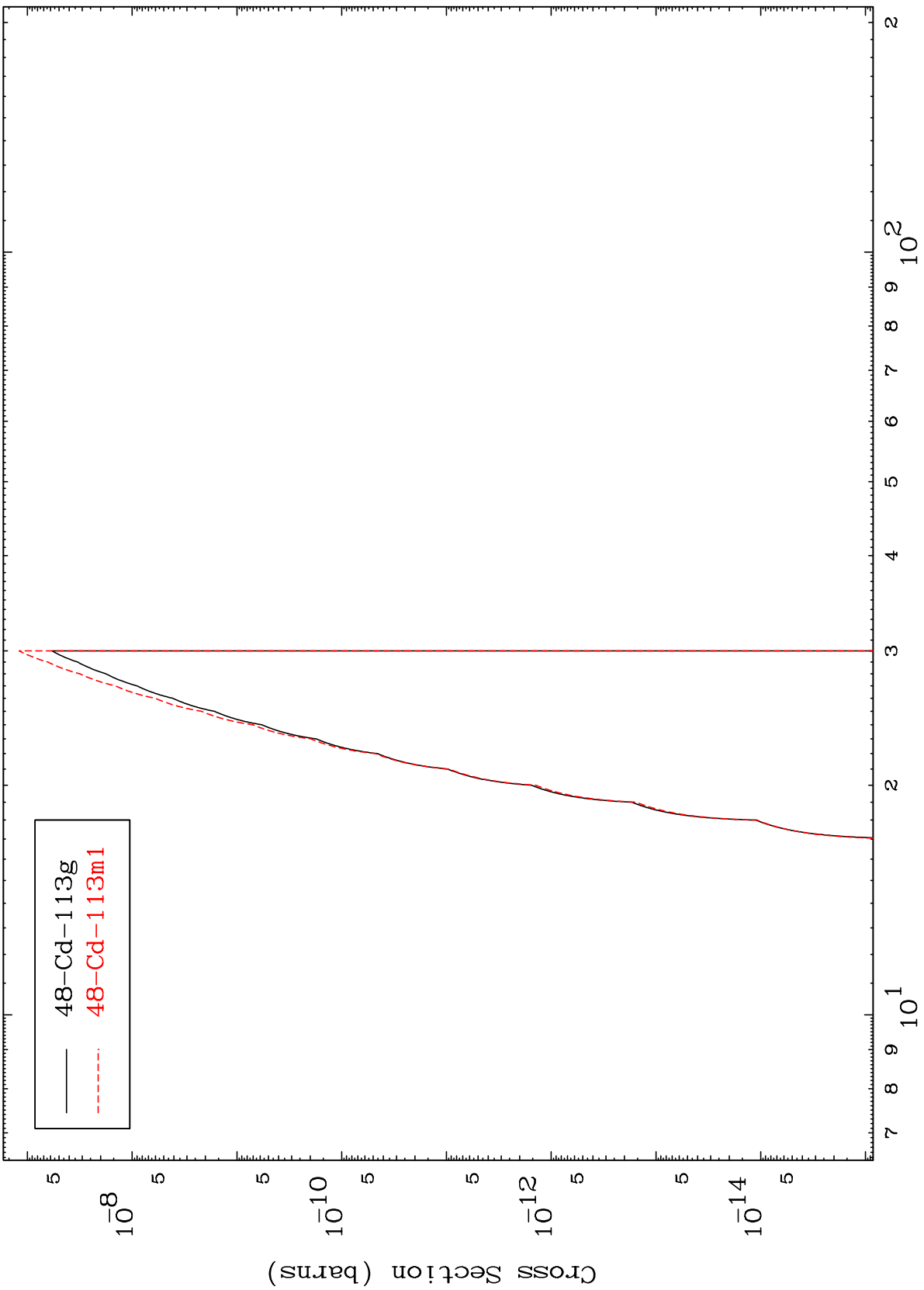
51-Sb-118

MAT 5116

(n,d)  $\alpha$

51-Sb-118

Radionuclide Production Cross Section



48-Cd-113g  
48-Cd-113m1

140

Incident Energy (MeV)

51-Sb-118