

Program EVALPLOT  
(Version 2018-1)

by

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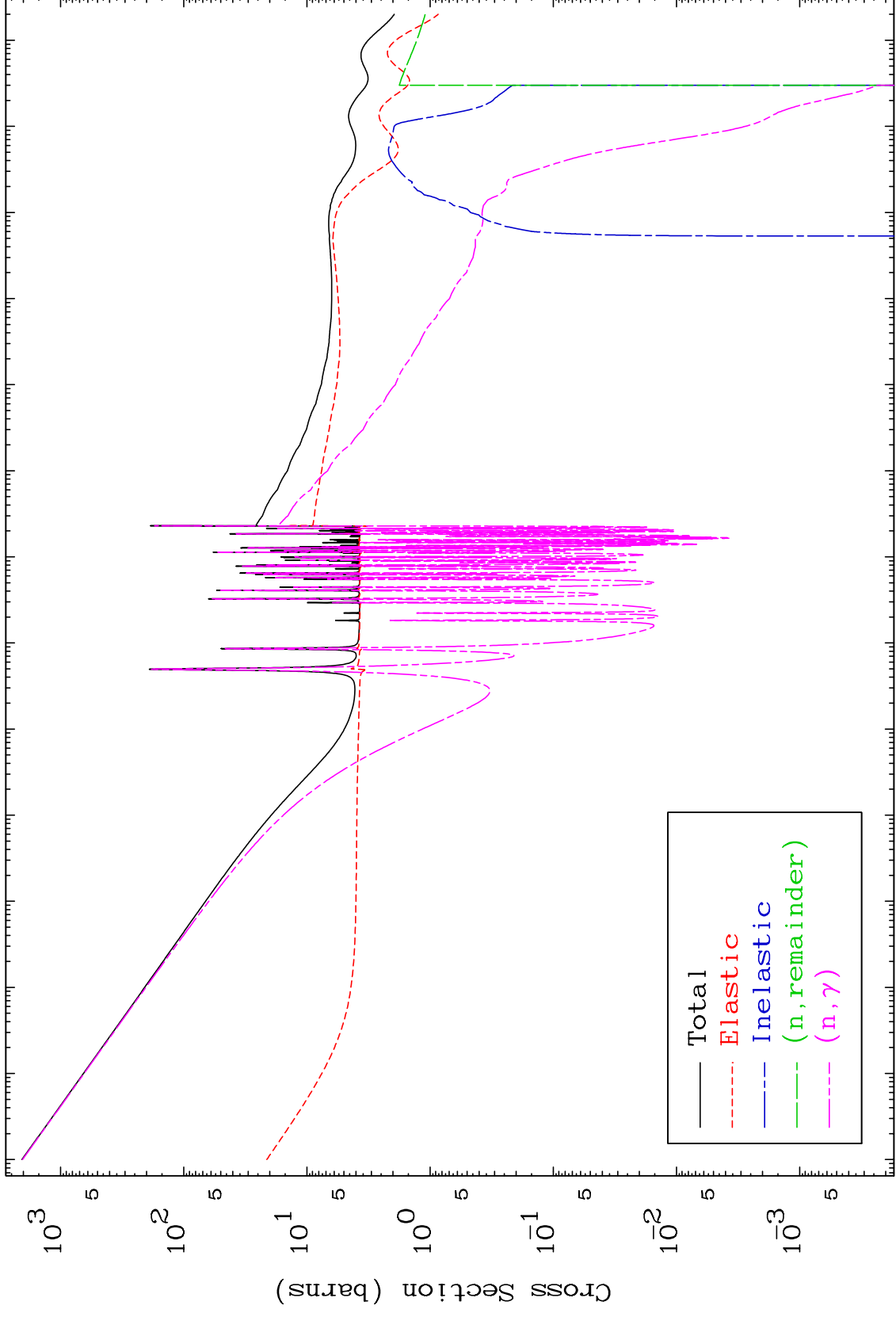
Press Mouse Button to Start

MAT 5113

Major

51-Sb-117

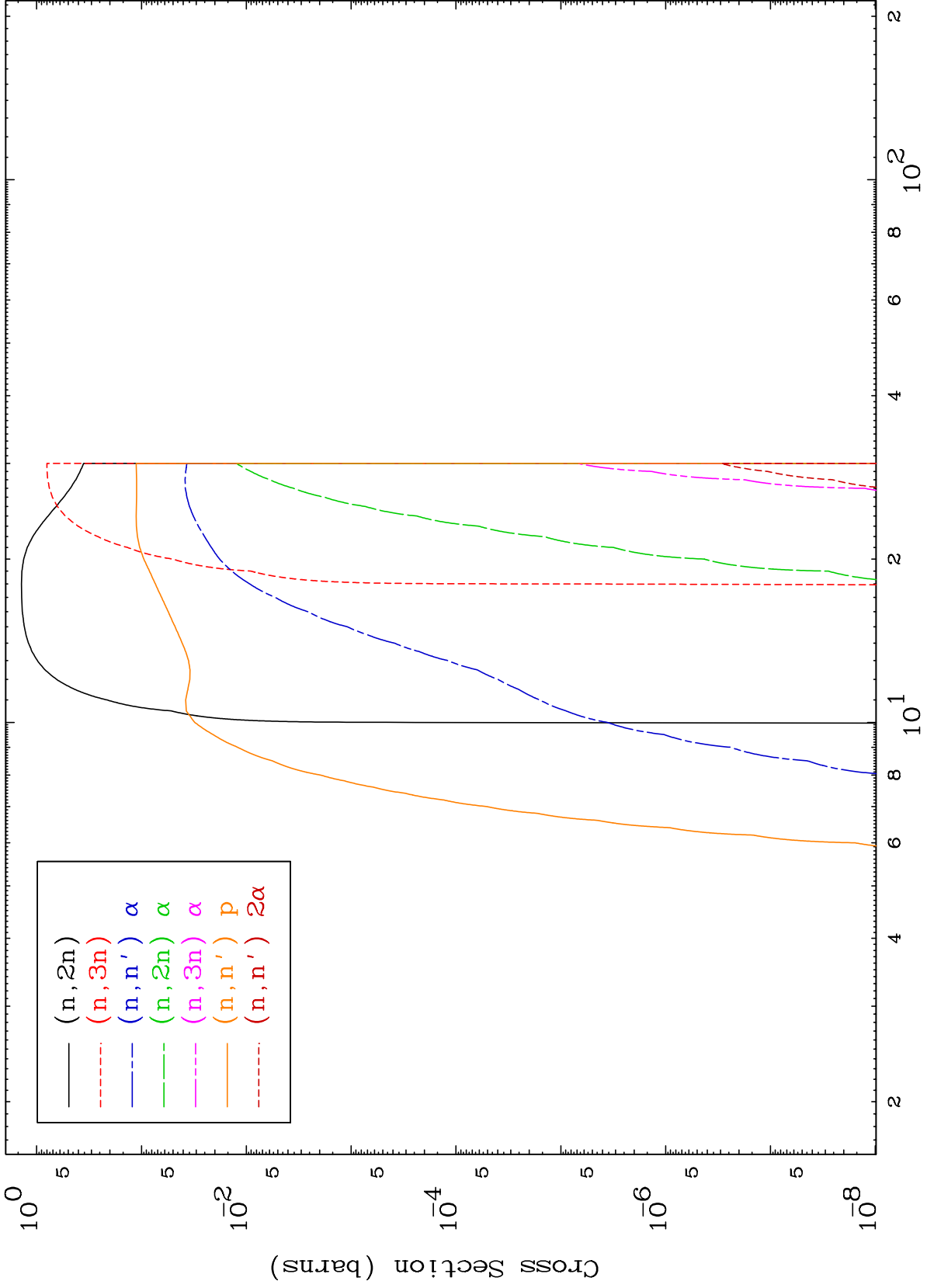
293 Kelvin Cross Sections



MAT 5113

Neutron Production  
293 Kelvin Cross Sections

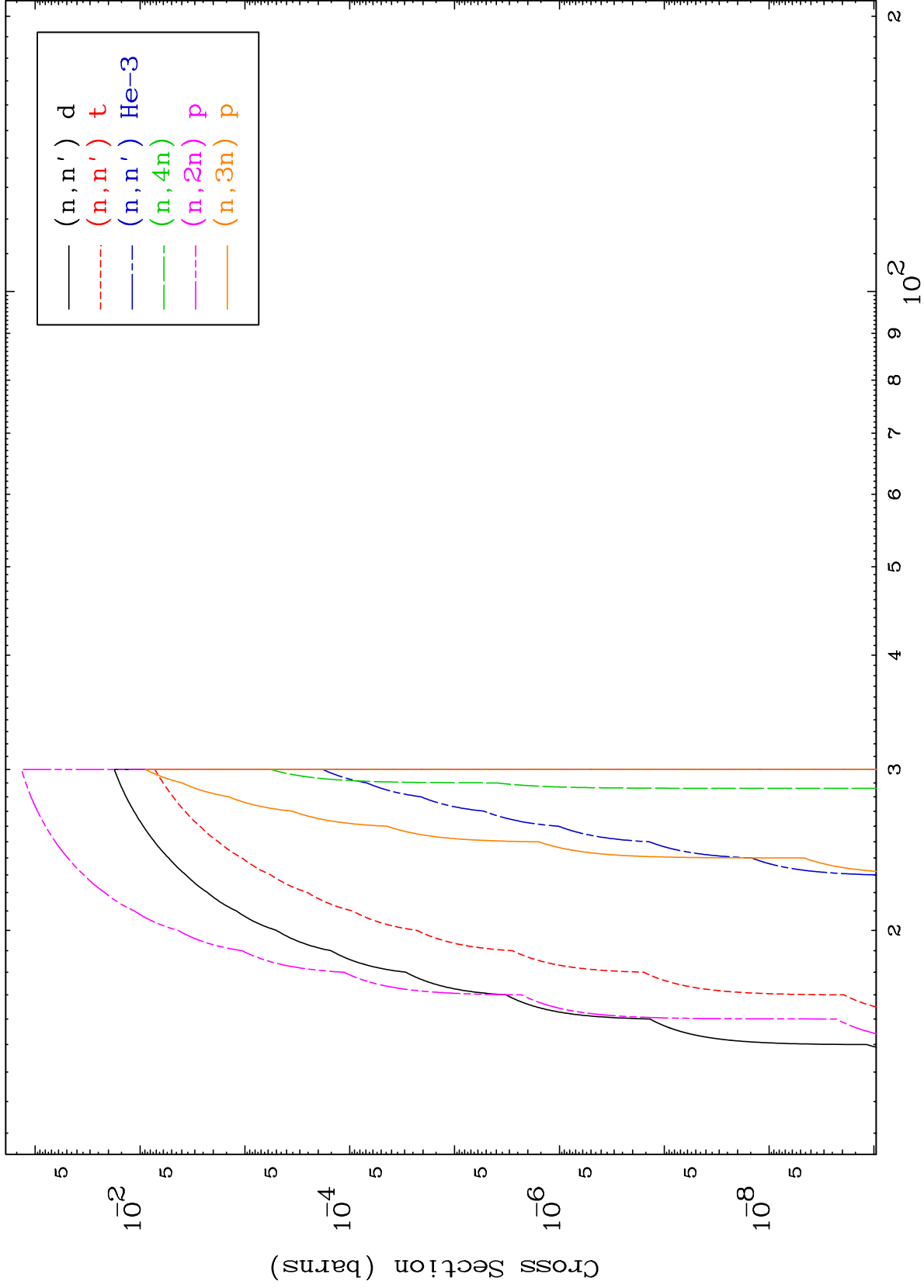
51-Sb-117

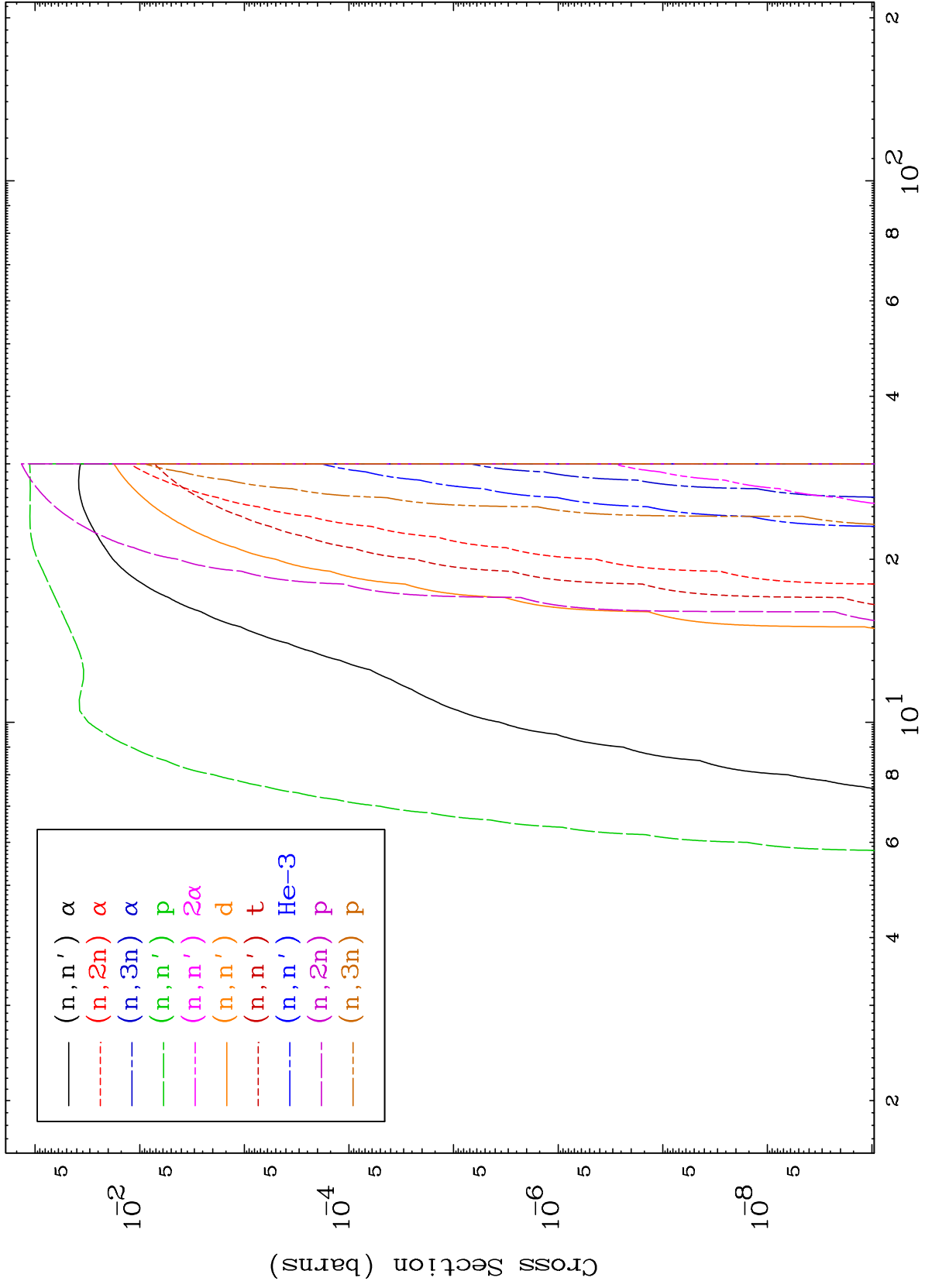


2

Incident Energy (MeV)

51-Sb-117

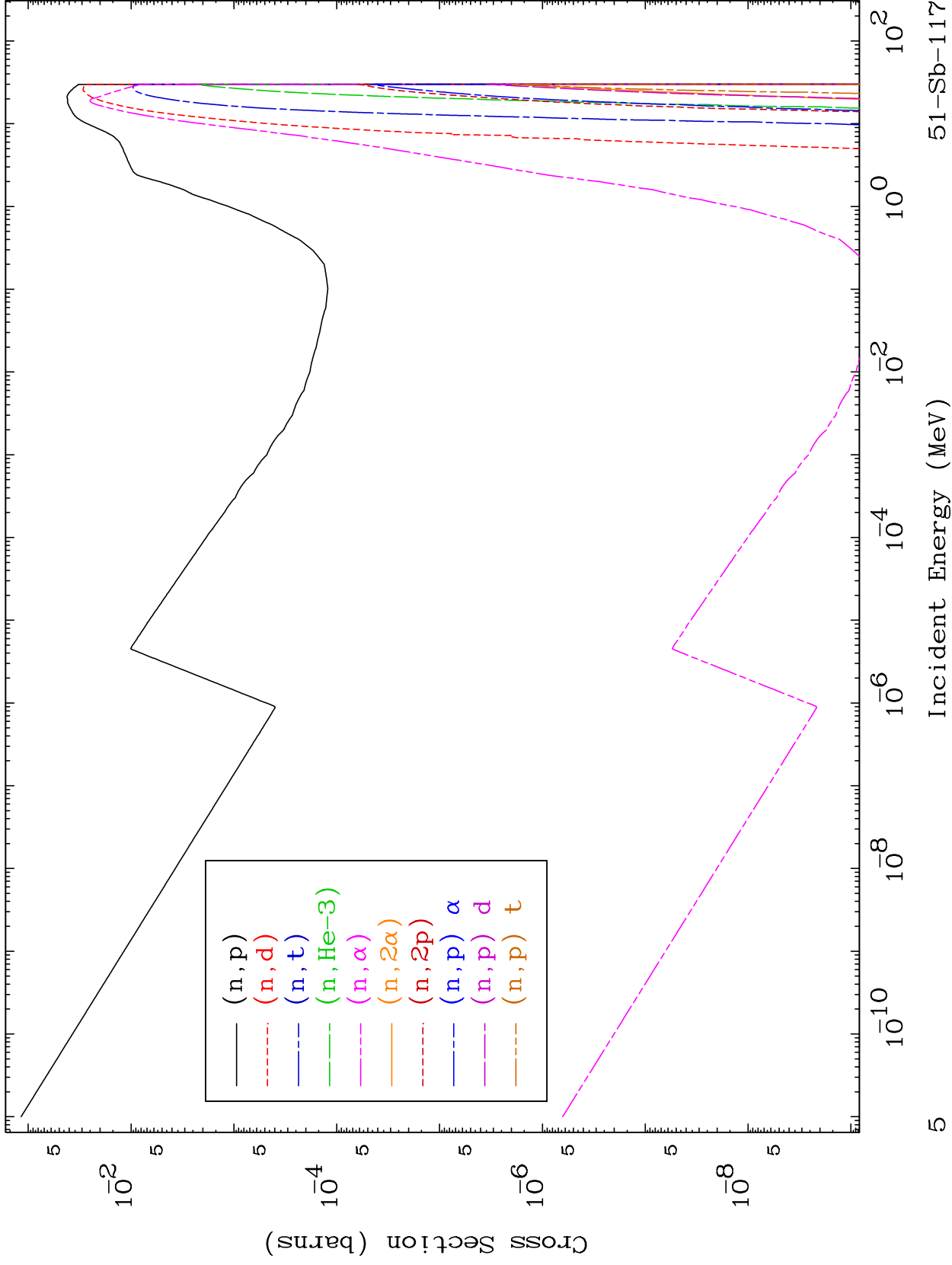




MAT 5113

Charged Particle  
293 Kelvin Cross Sections

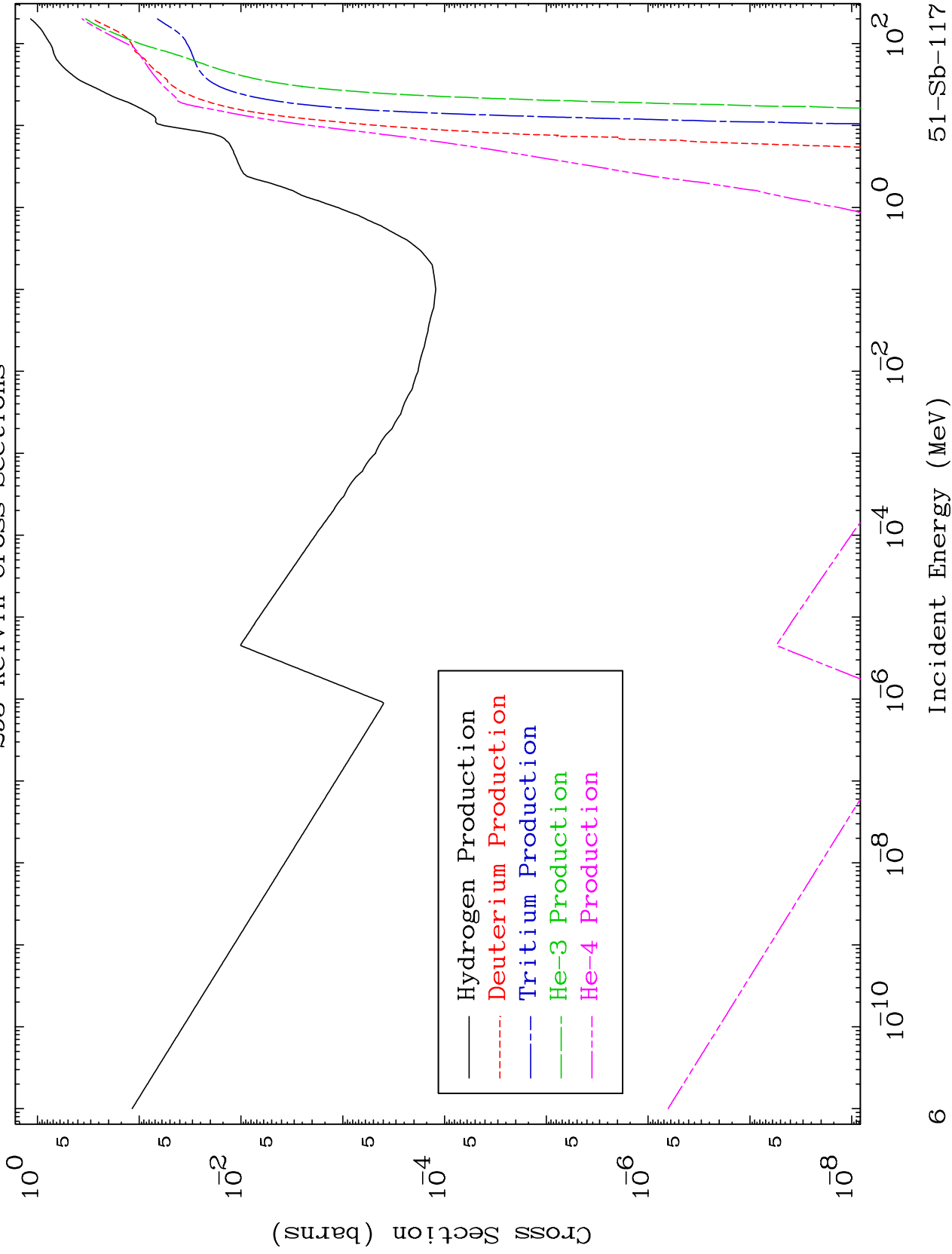
51-Sb-117



MAT 5113

Particle Production  
293 Kelvin Cross Sections

51-Sb-117

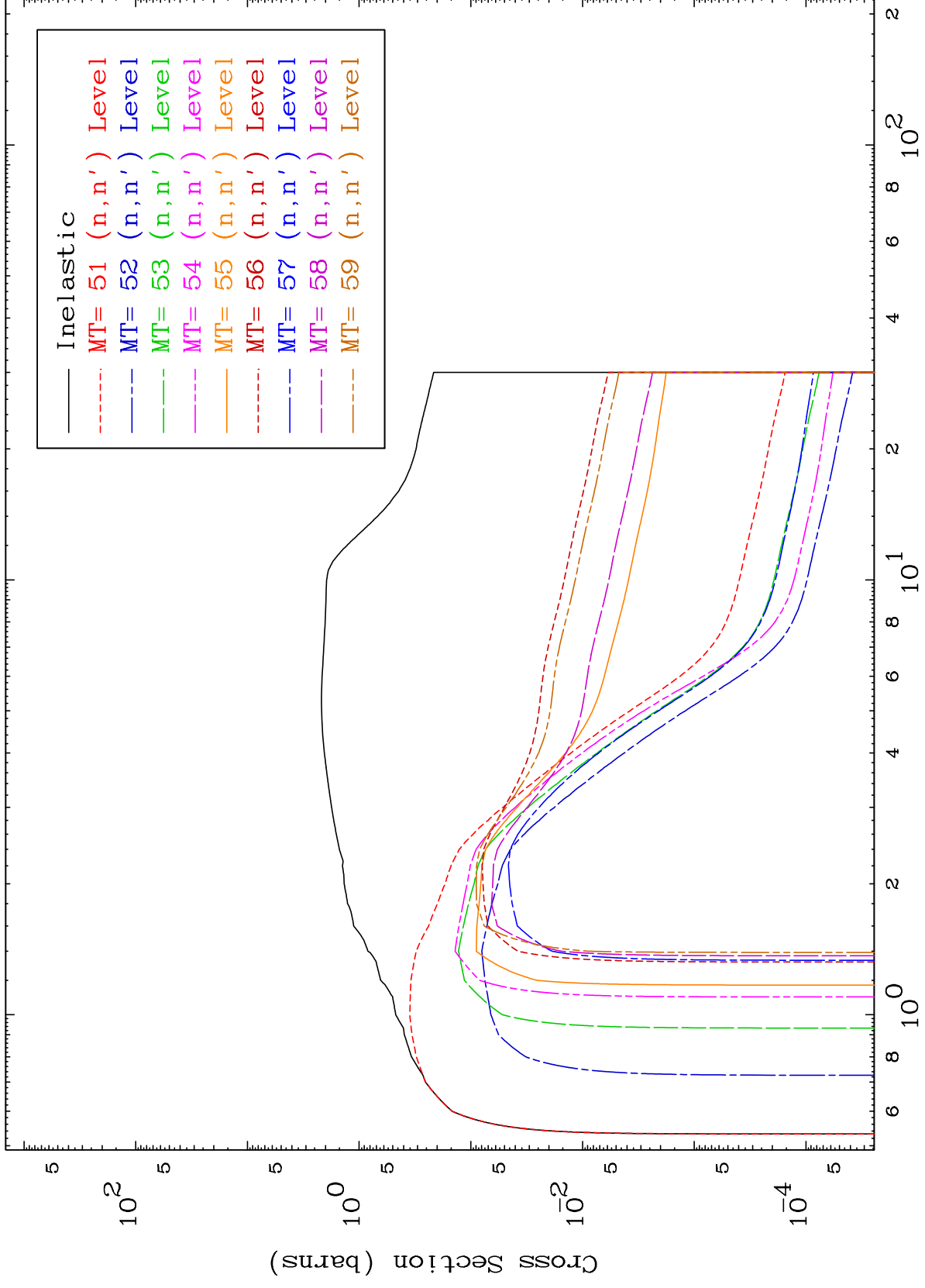


MAT 5113

(n,n') Level

51-Sb-117

293 Kelvin Cross Sections



7

Incident Energy (MeV)

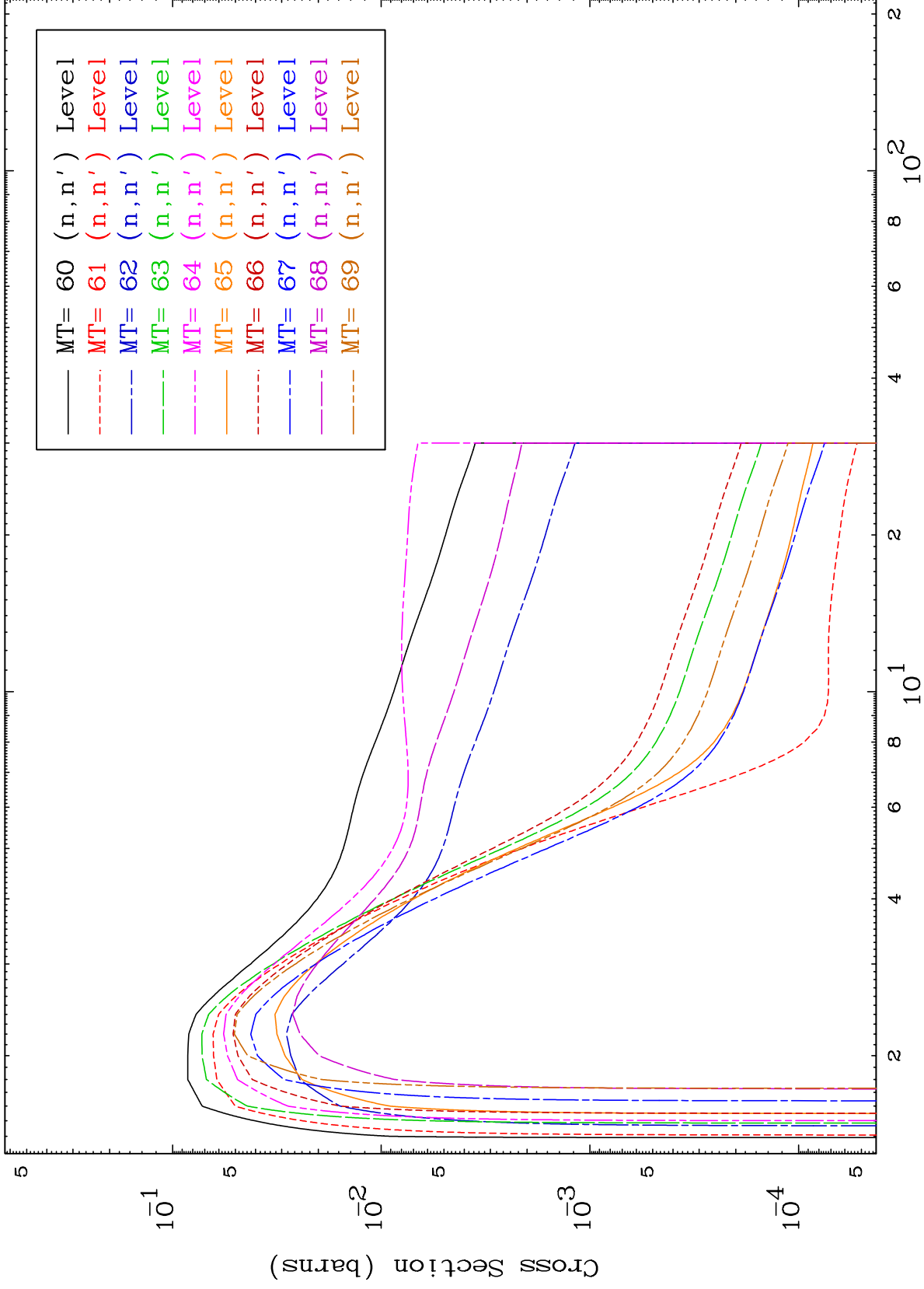
51-Sb-117

MAT 5113

(n,n') Level

51-Sb-117

293 Kelvin Cross Sections

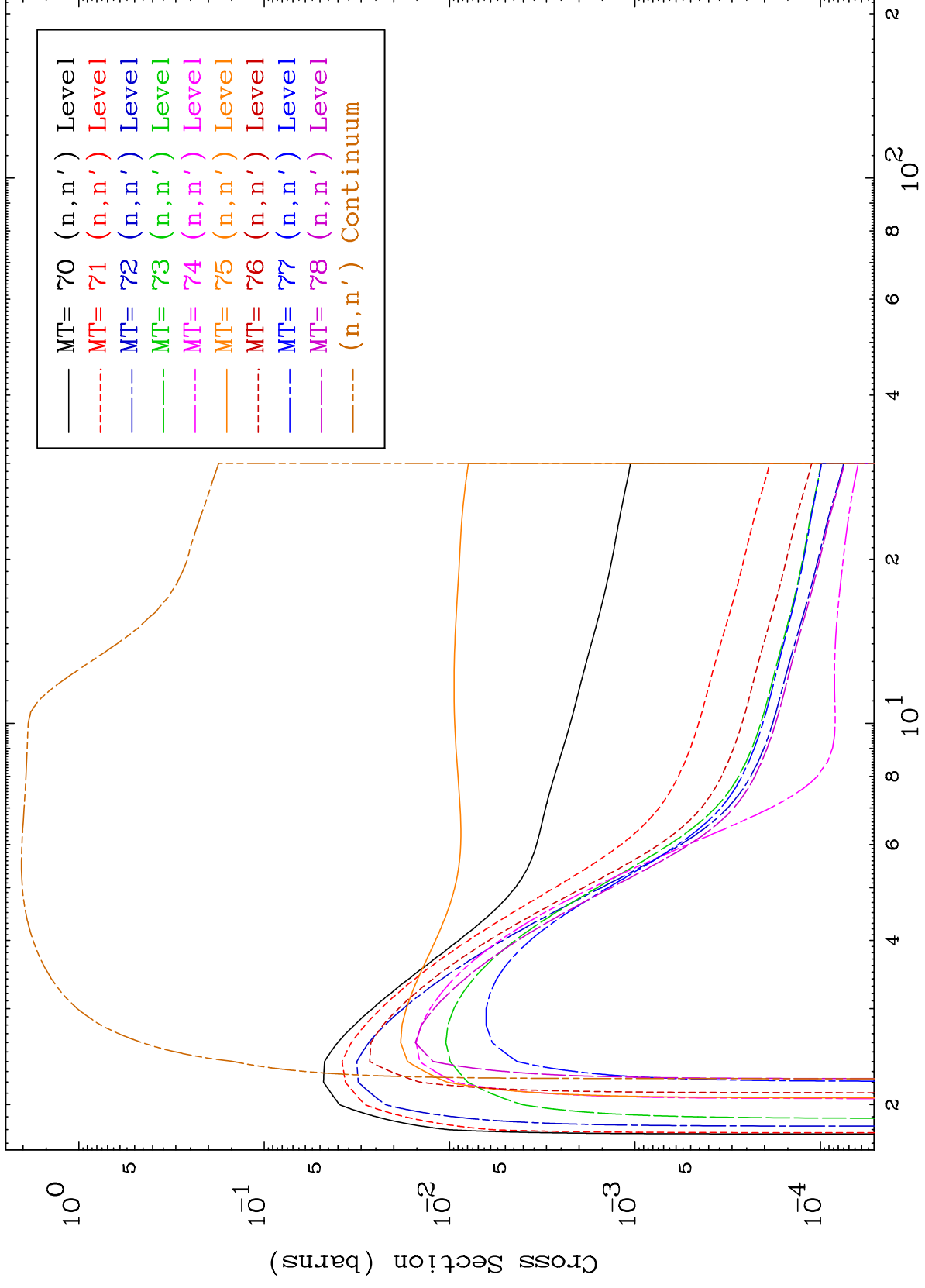


8

Incident Energy (MeV)

51-Sb-117

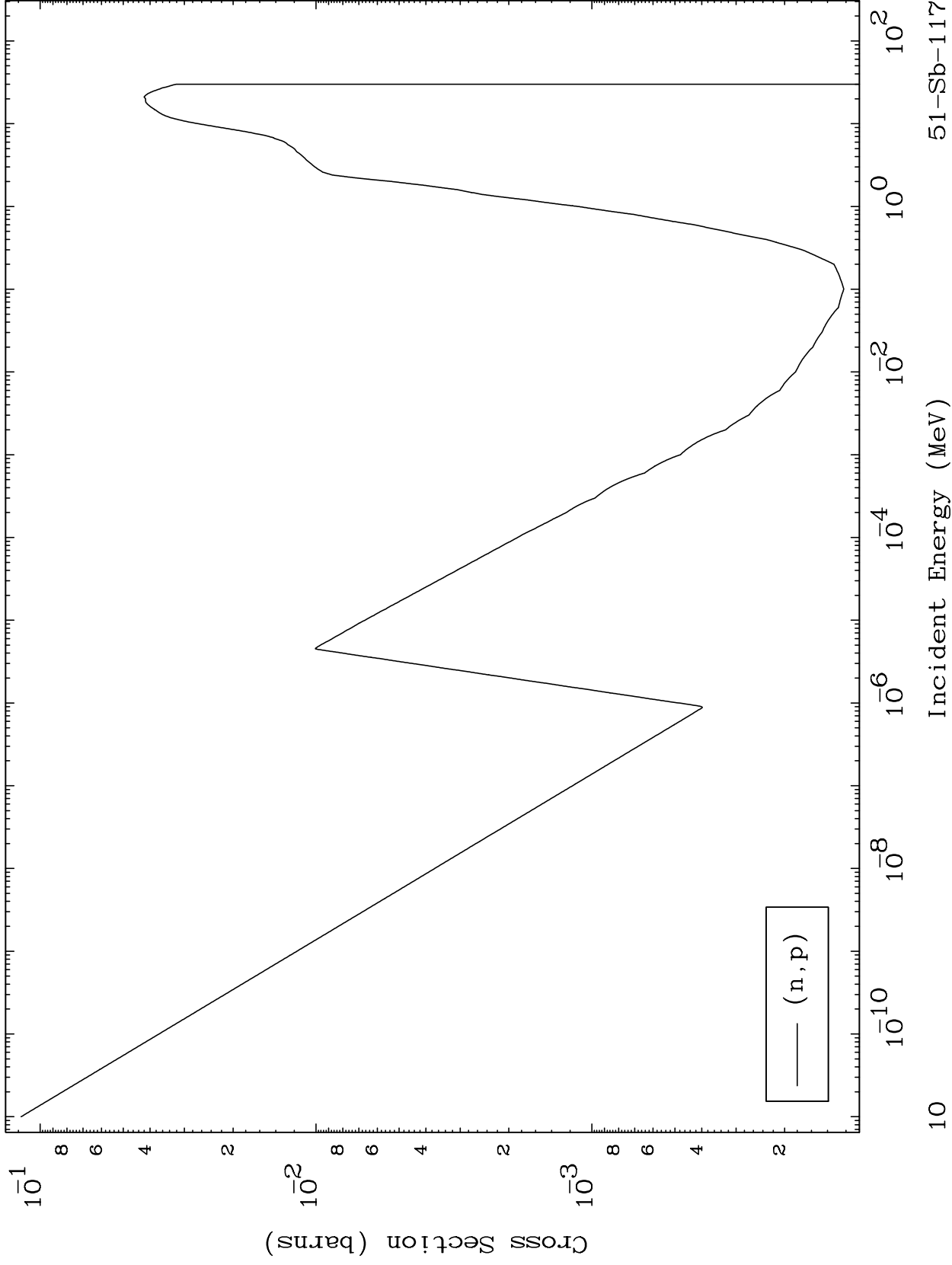
293 Kelvin Cross Sections



MAT 5113

(n,p) Levels  
293 Kelvin Cross Sections

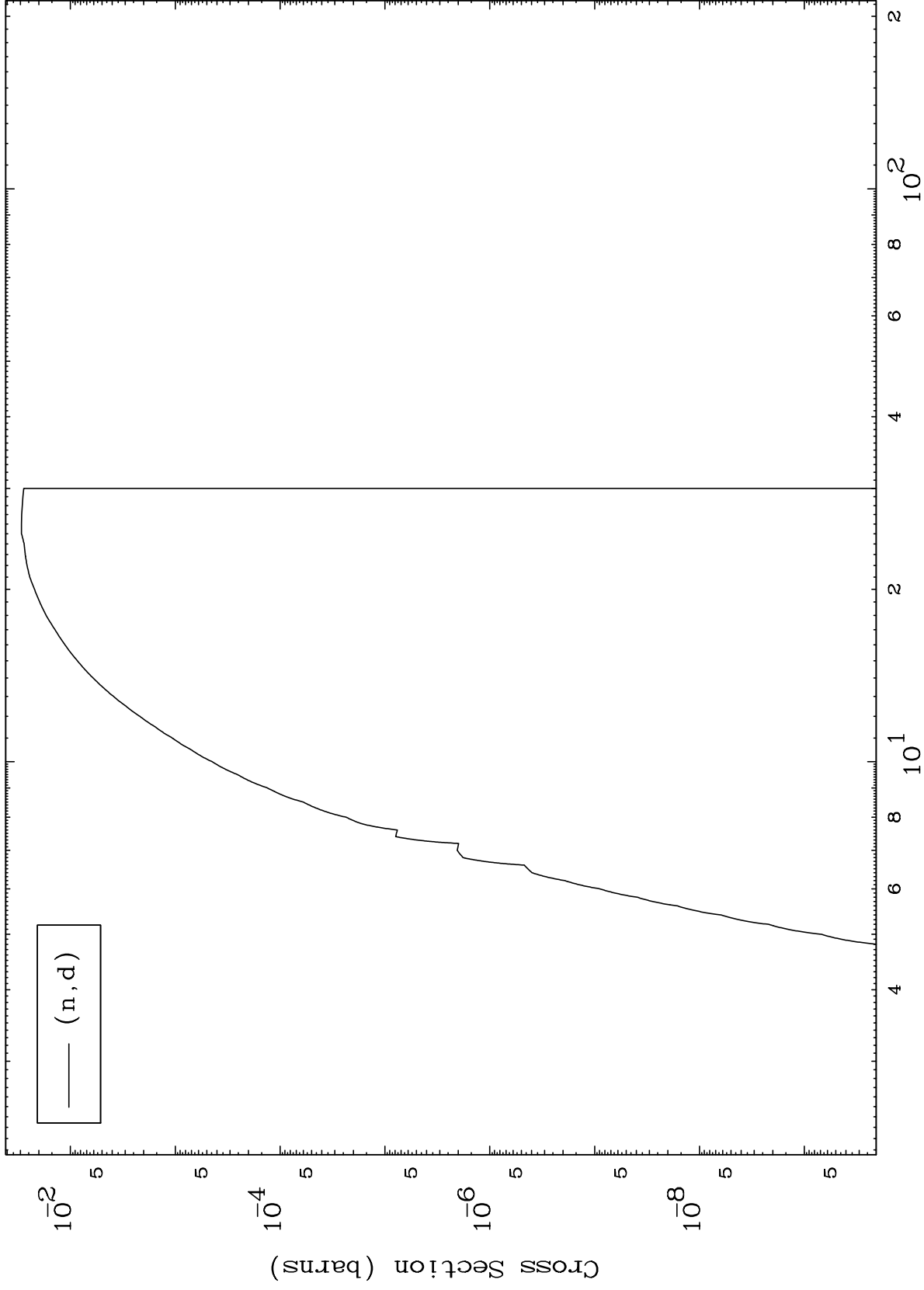
51-Sb-117



MAT 5113

(n,d) Levels  
293 Kelvin Cross Sections

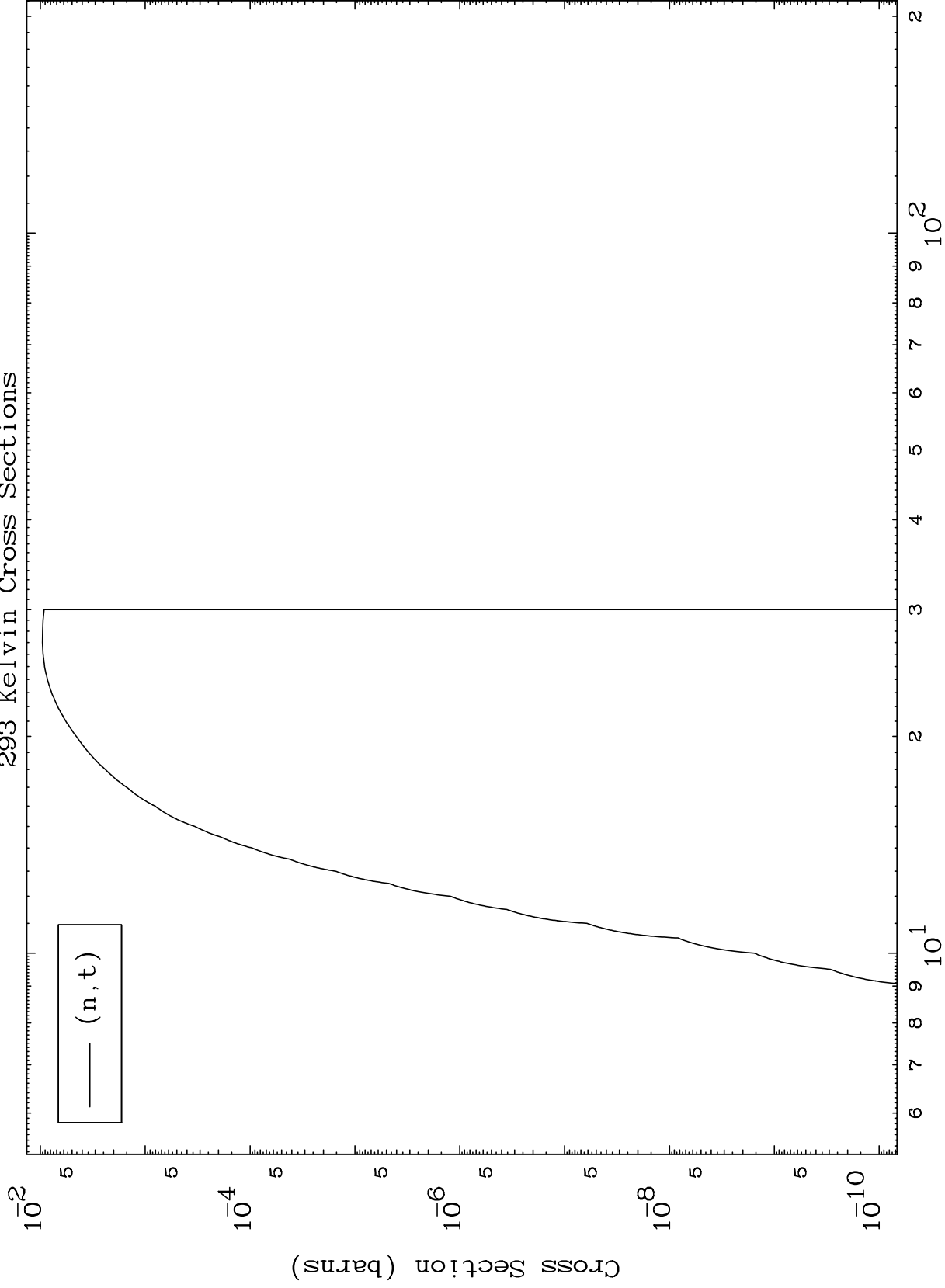
51-Sb-117



MAT 5113

(n,t) Levels  
293 Kelvin Cross Sections

51-Sb-117



12

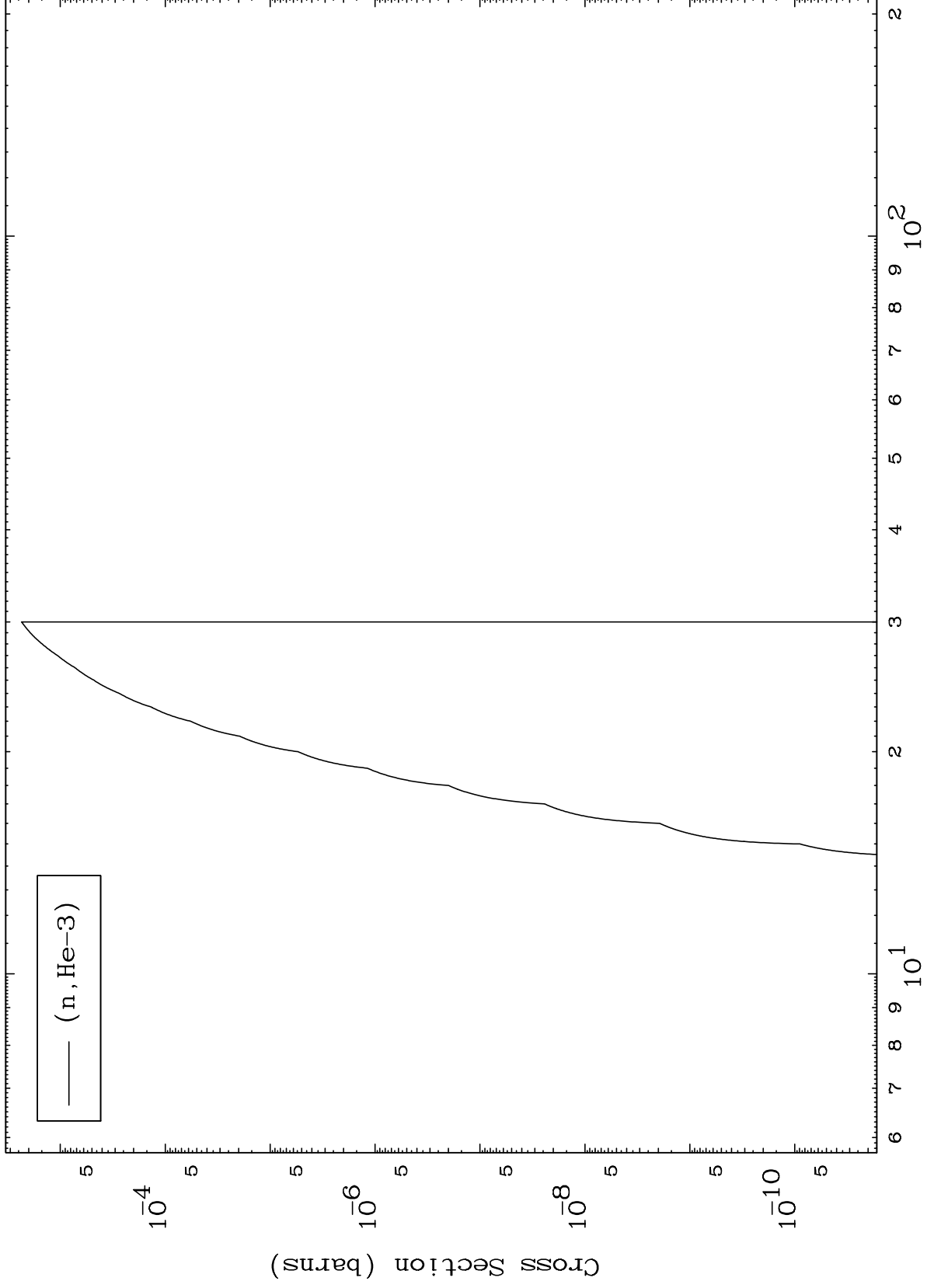
Incident Energy (MeV)

51-Sb-117

MAT 5113

(n,He3) Levels  
293 Kelvin Cross Sections

51-Sb-117



13

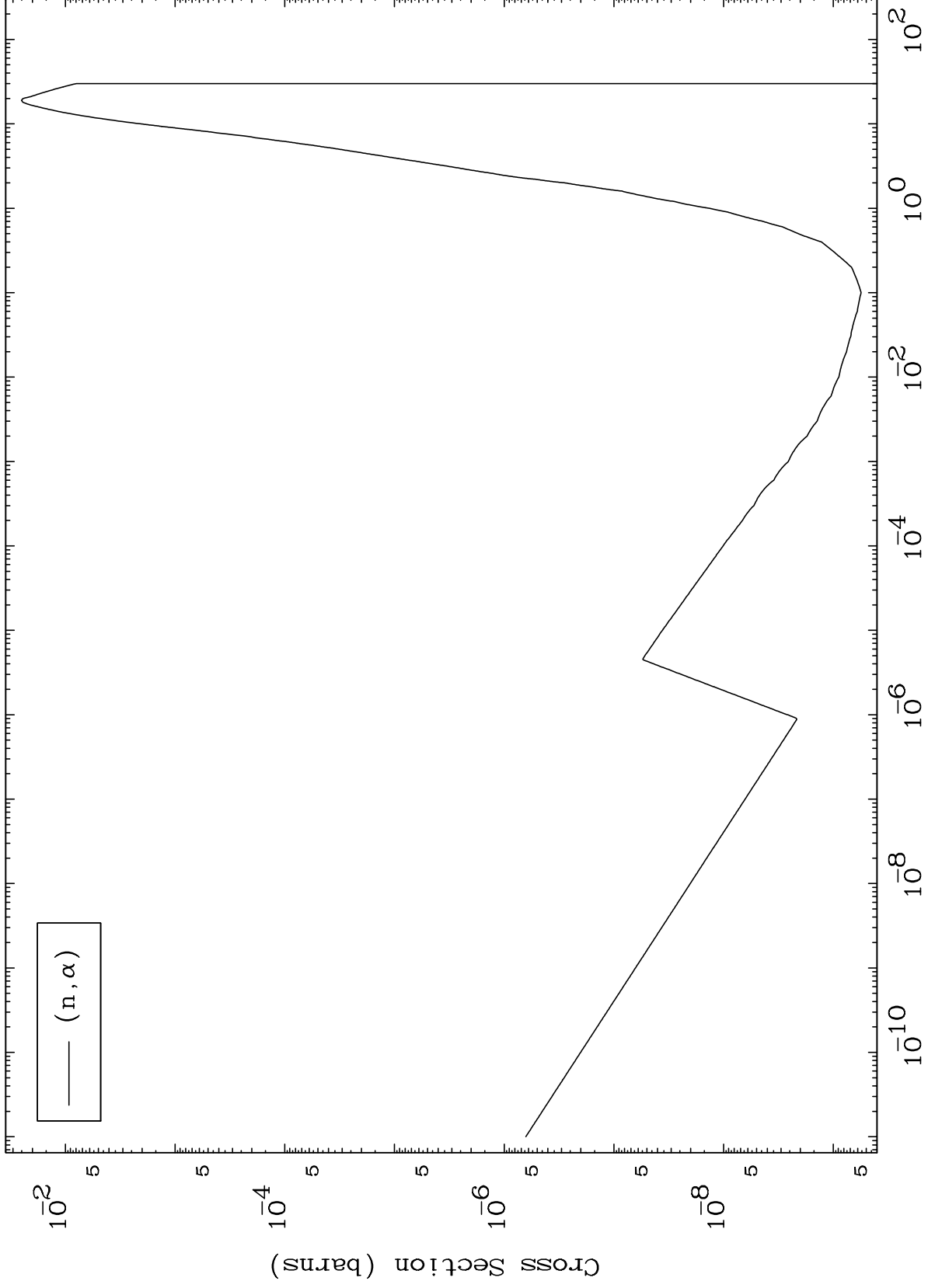
Incident Energy (MeV)

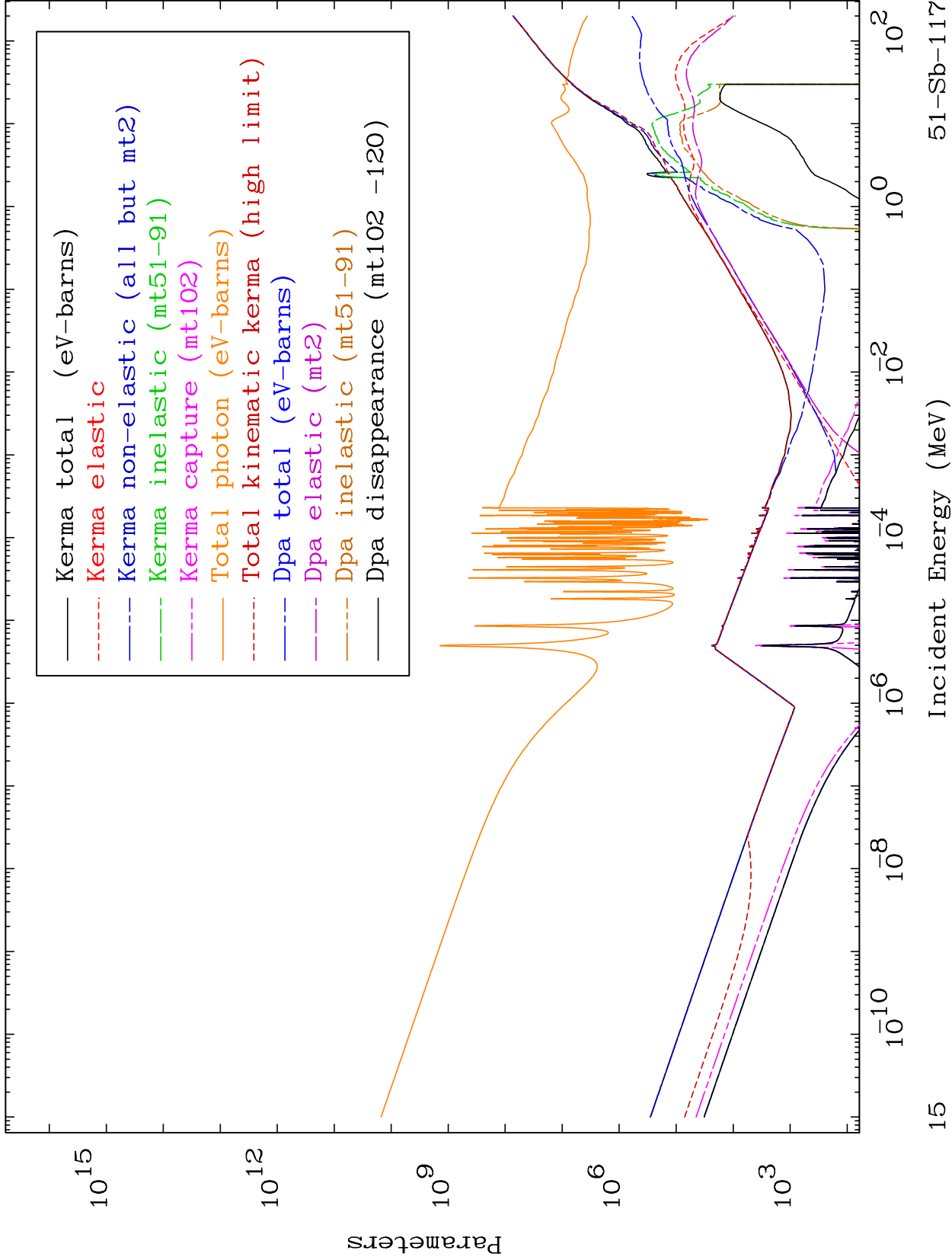
51-Sb-117

MAT 5113

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

51-Sb-117

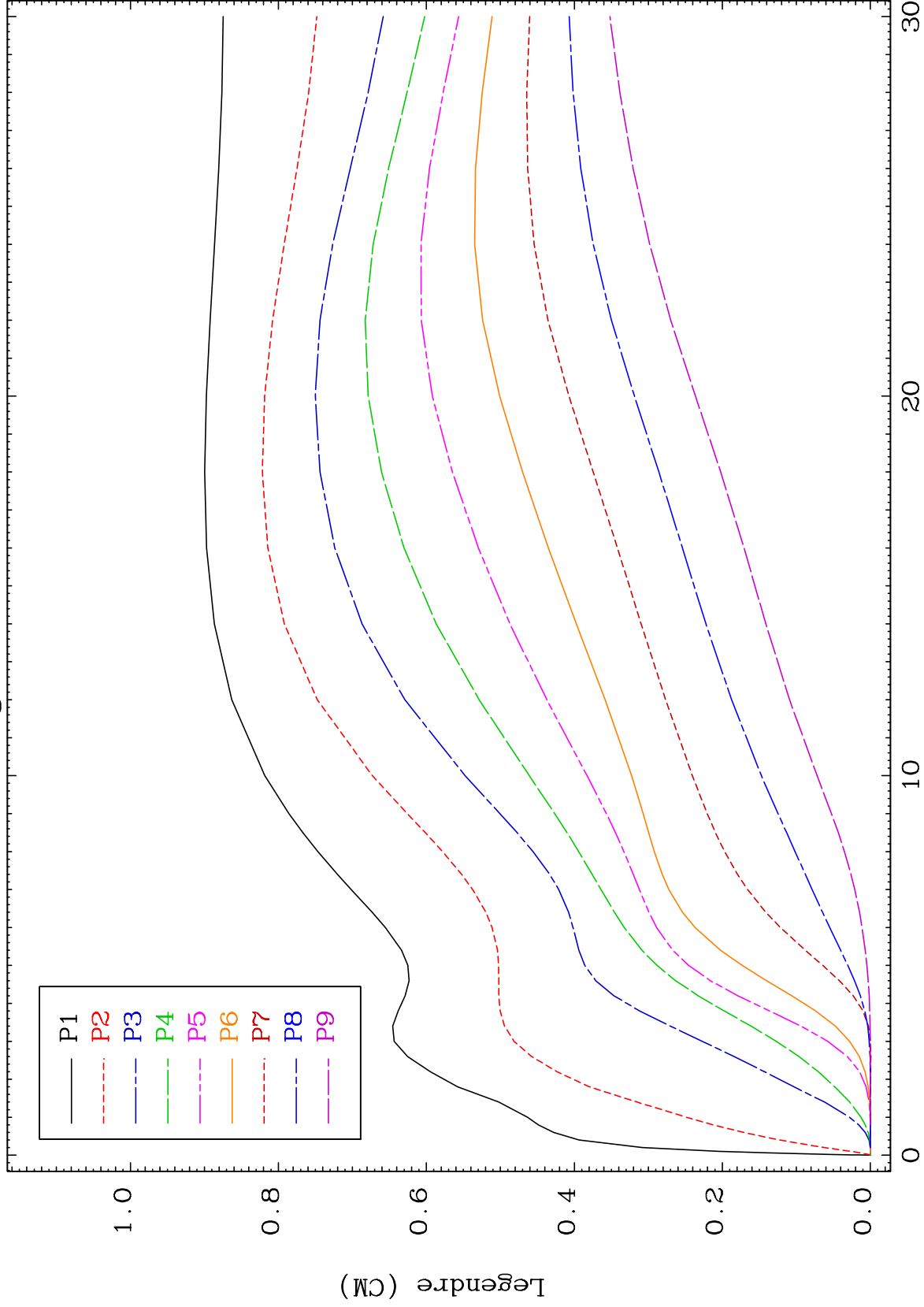




MAT 5113

Elastic Legendre Coefficients

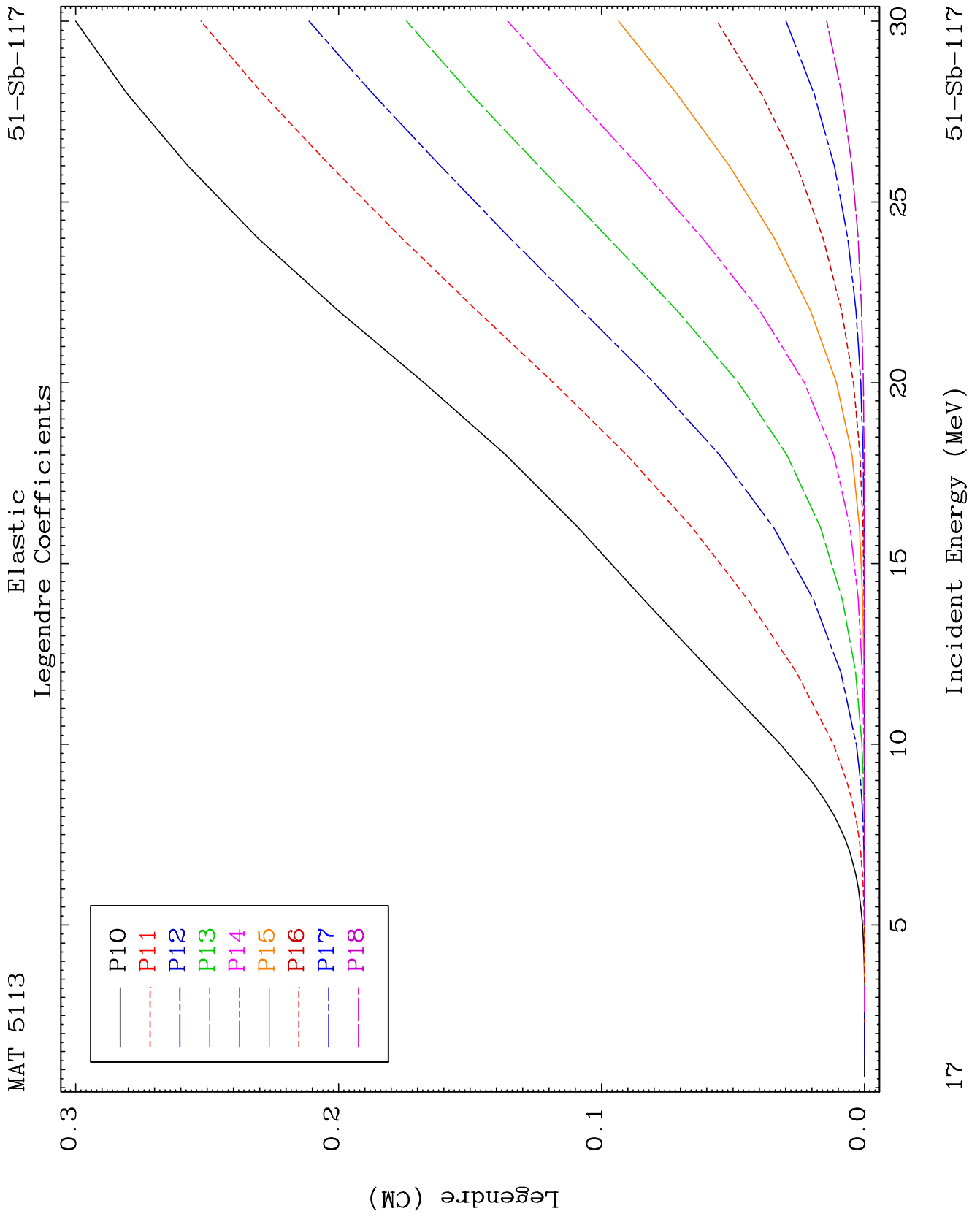
51-Sb-117



16

Incident Energy (MeV)

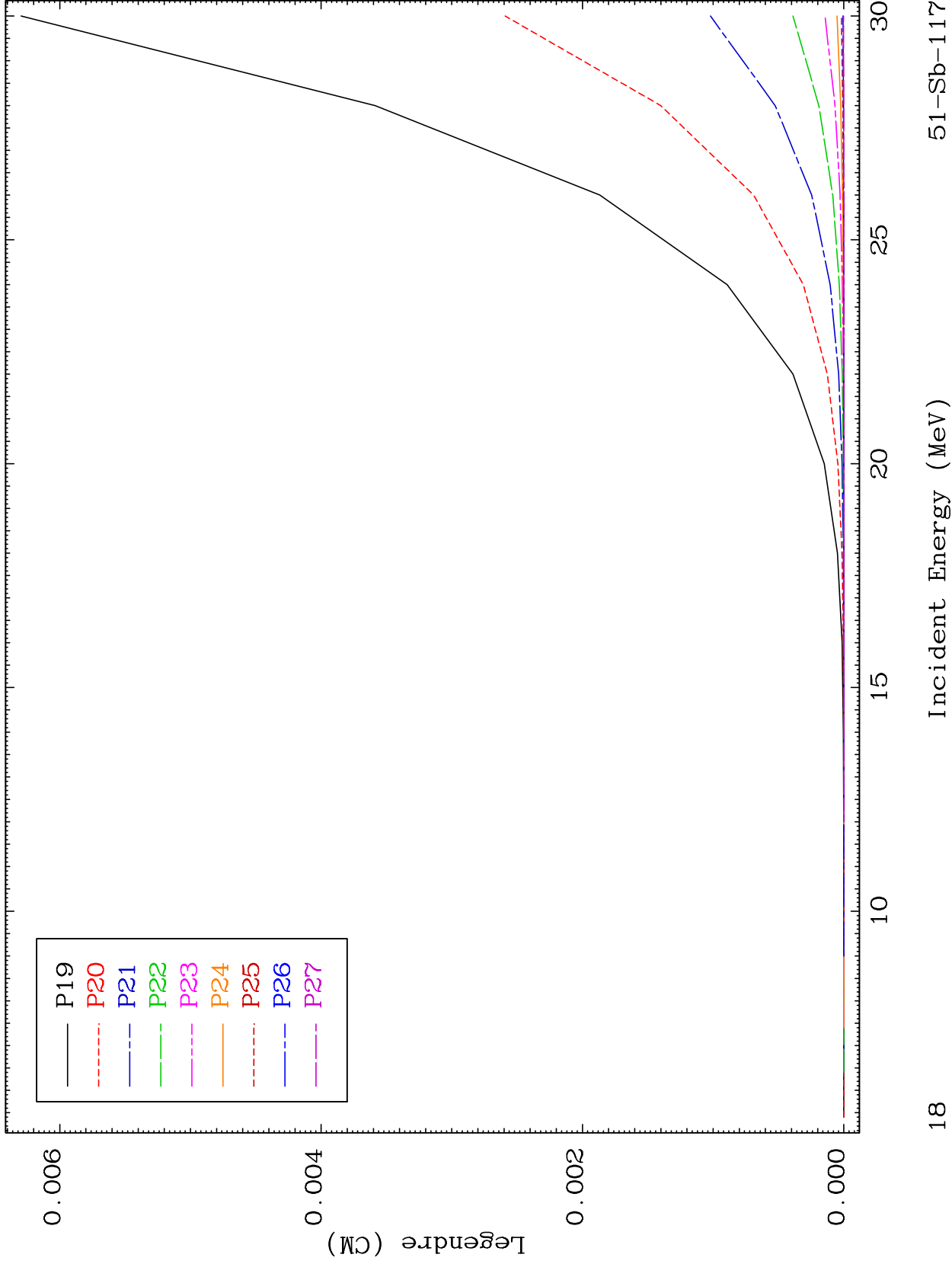
51-Sb-117



MAT 5113

Elastic Legendre Coefficients

51-Sb-117



18

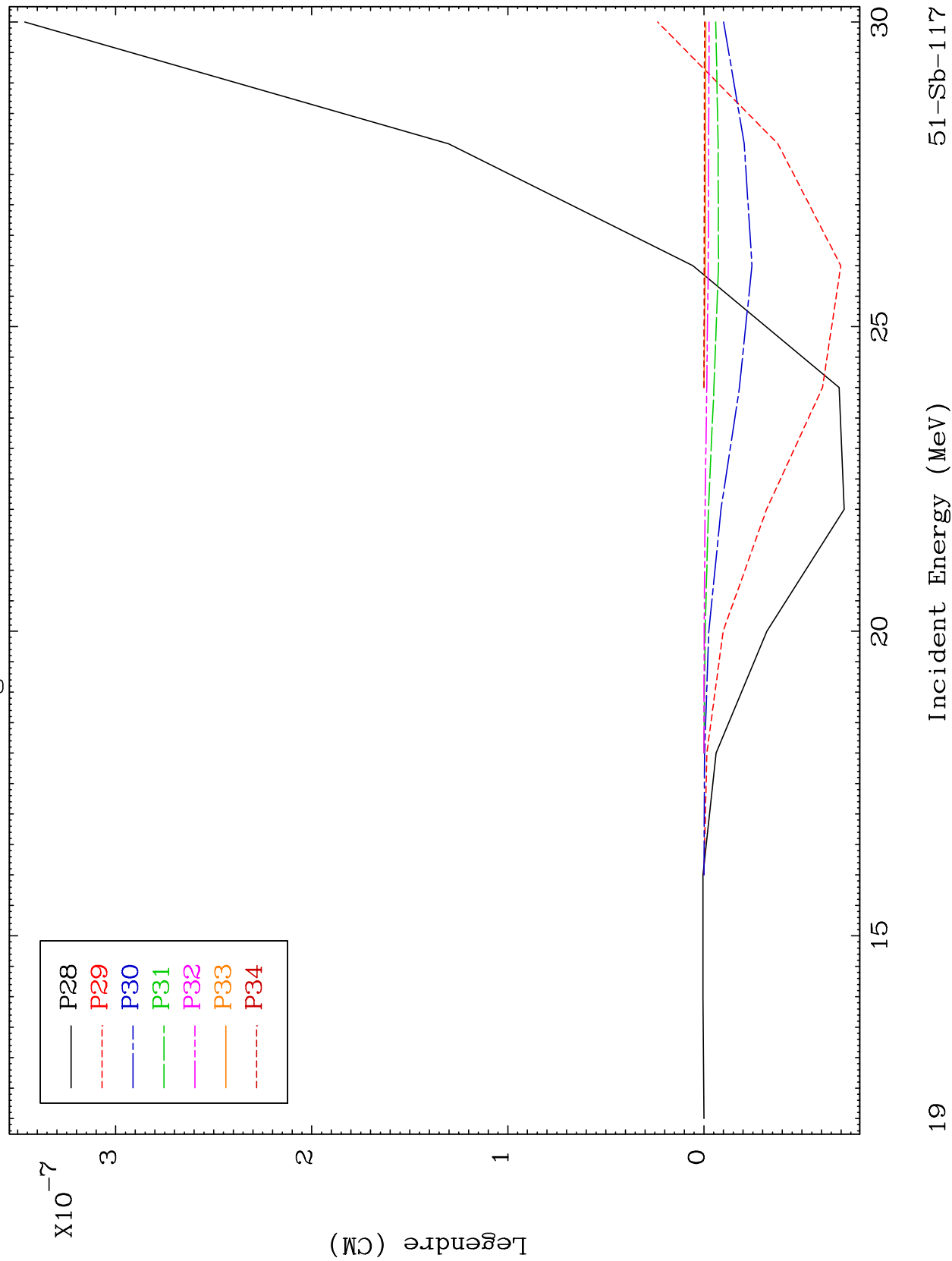
Incident Energy (MeV)

51-Sb-117

MAT 5113

Elastic Legendre Coefficients

51-Sb-117



19

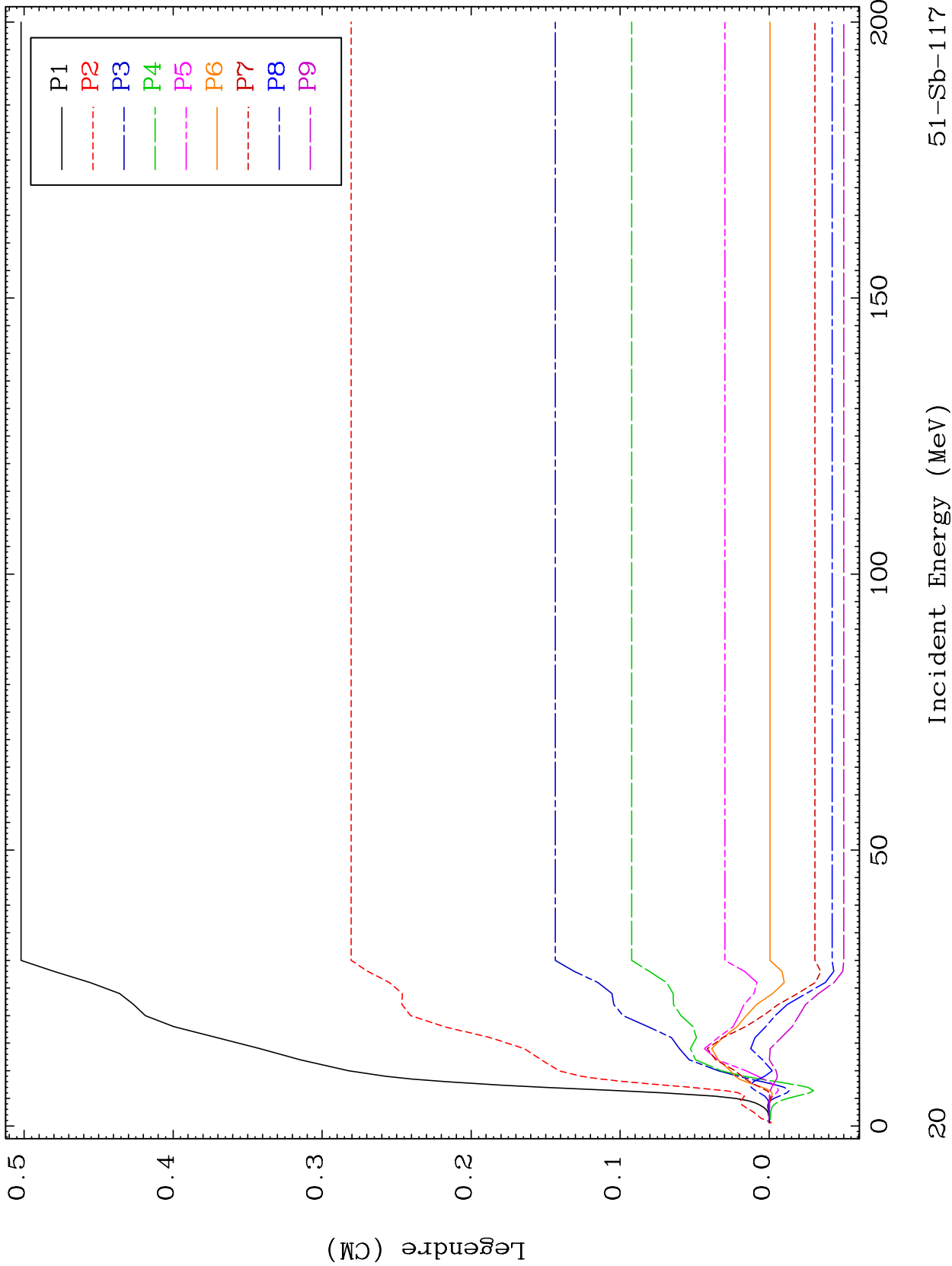
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



51-Sb-117

Incident Energy (MeV)

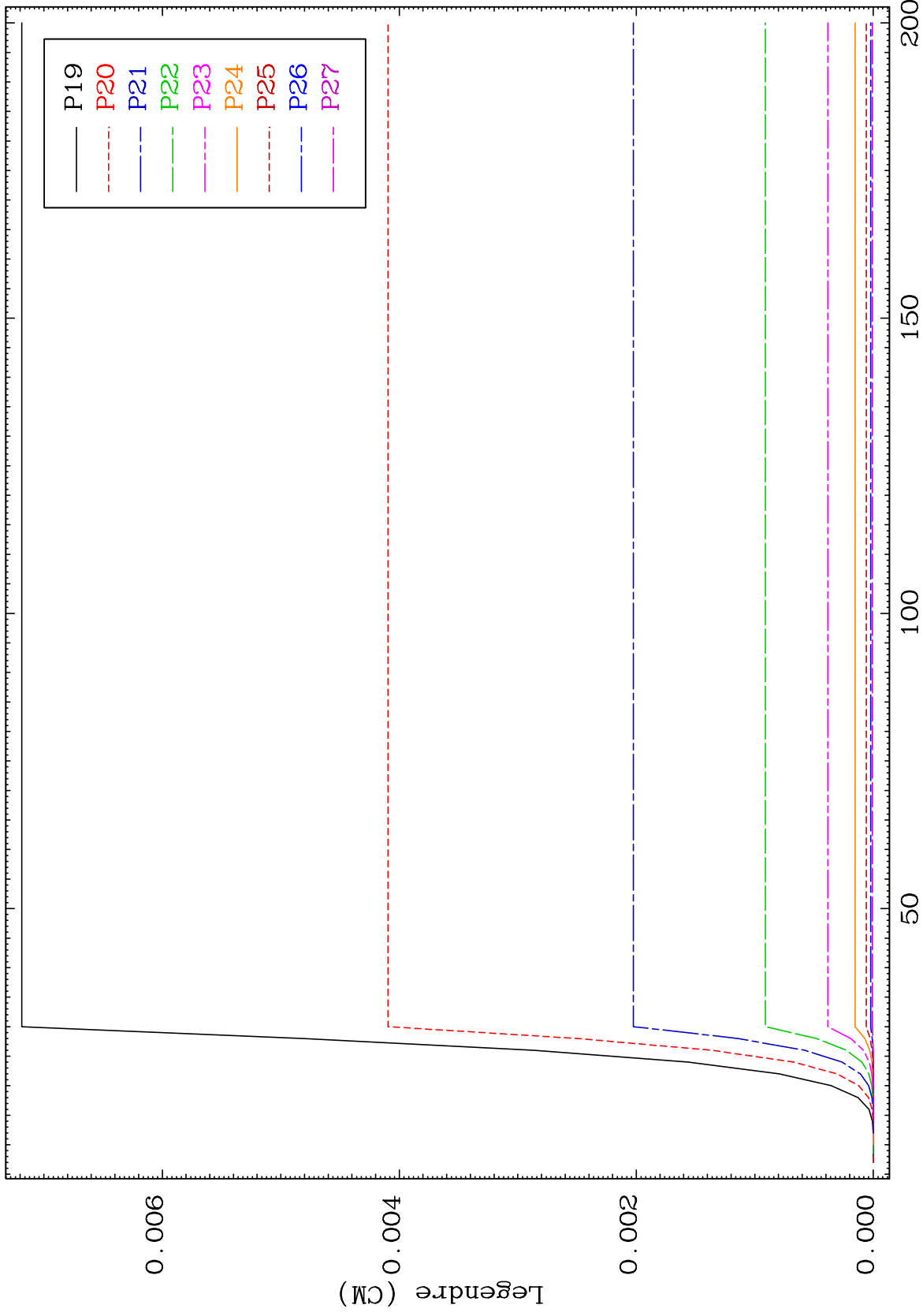
Legendre (CM)



MAT 5113

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

51-Sb-117



22

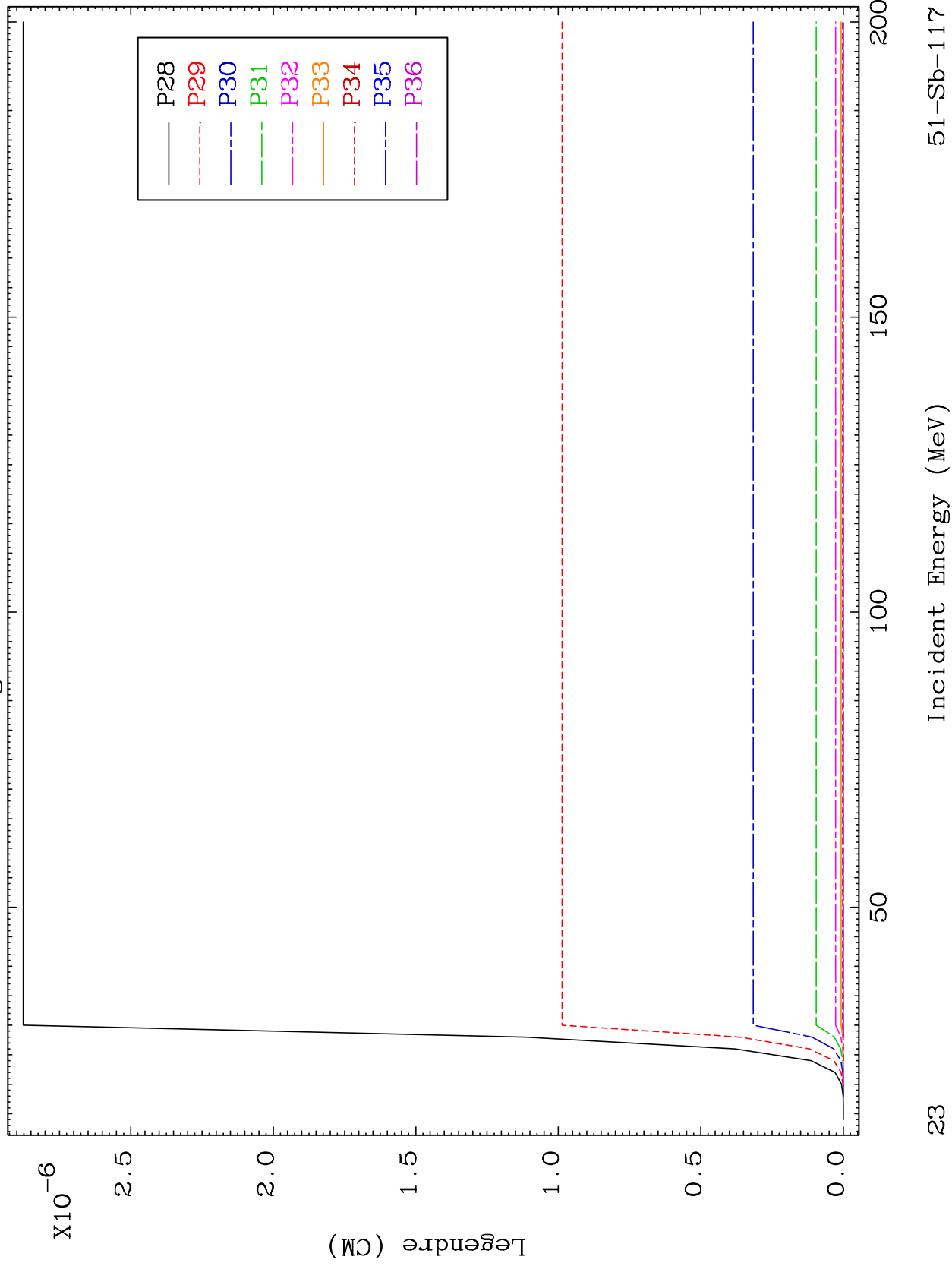
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



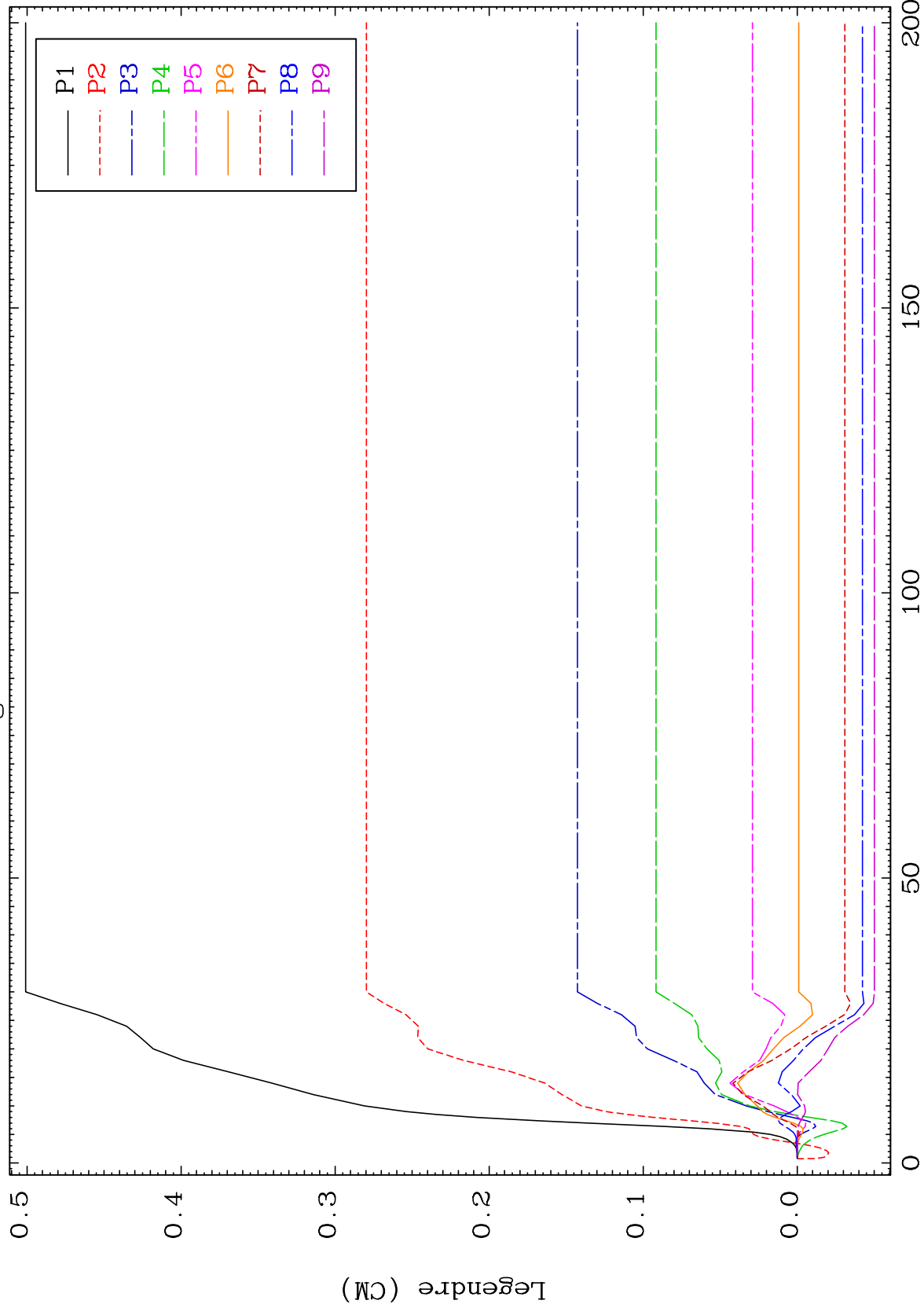
23

51-Sb-117

MAT 5113

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

51-Sb-117



24

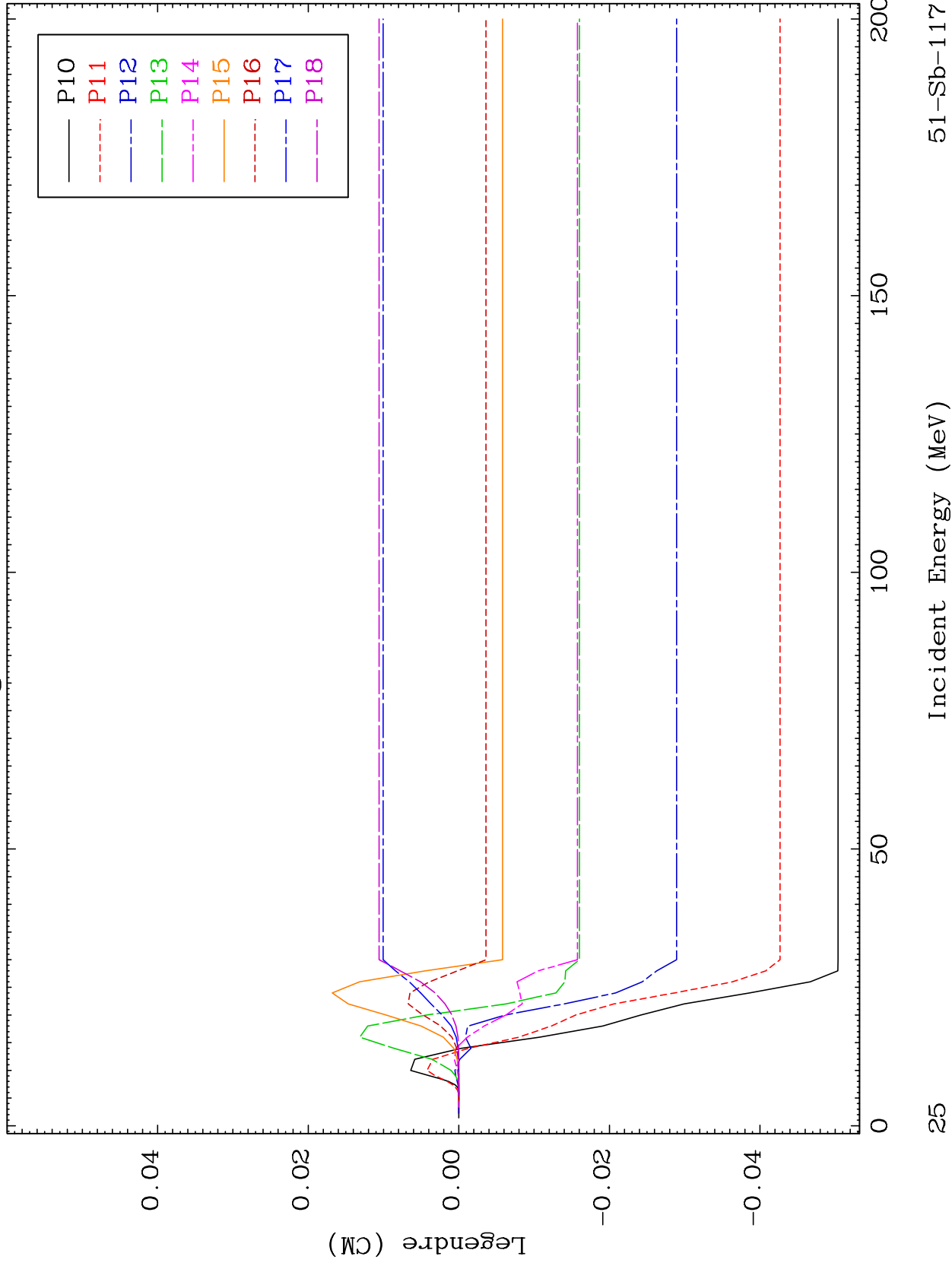
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



51-Sb-117

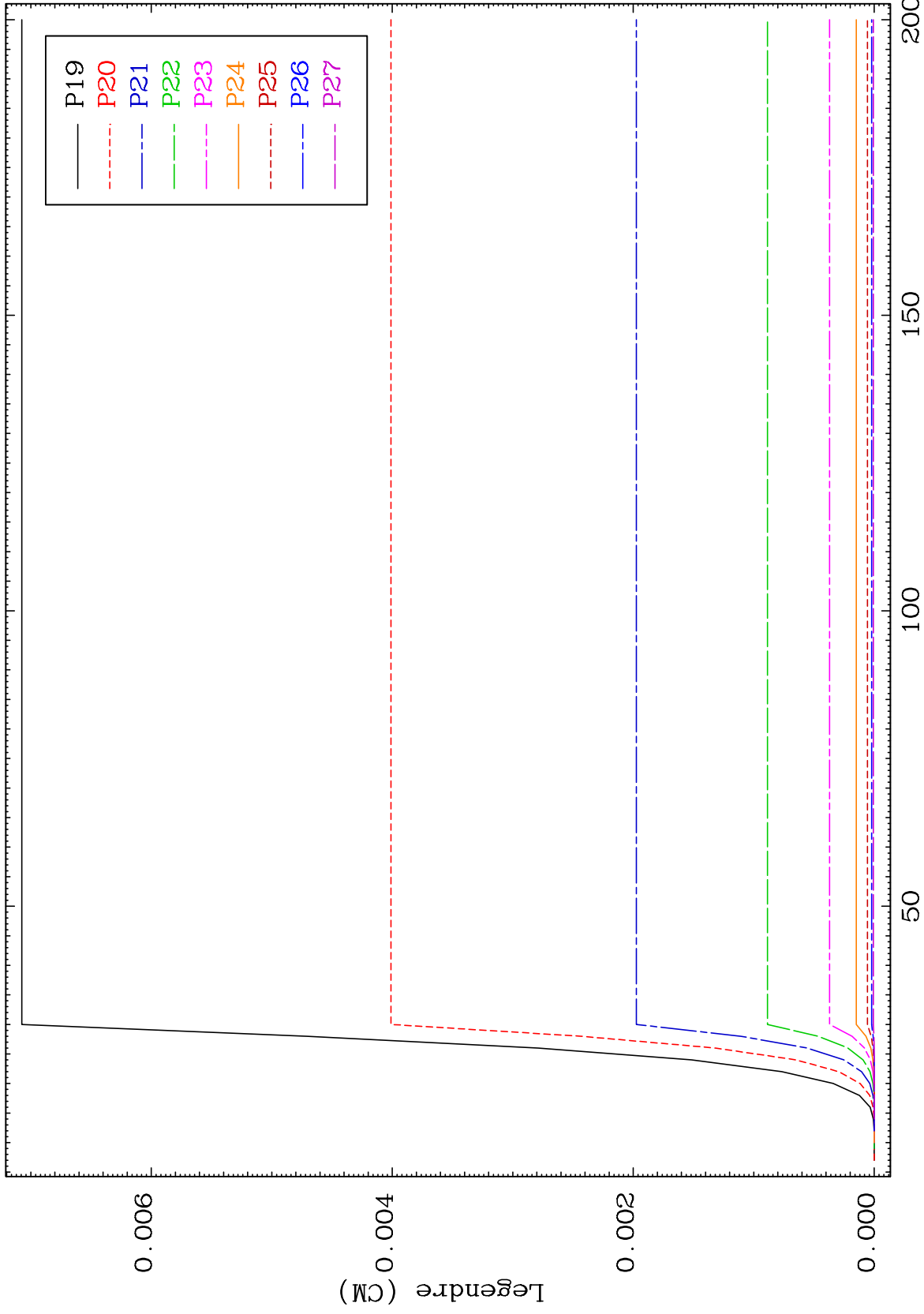
Incident Energy (MeV)

25

MAT 5113

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

51-Sb-117



26

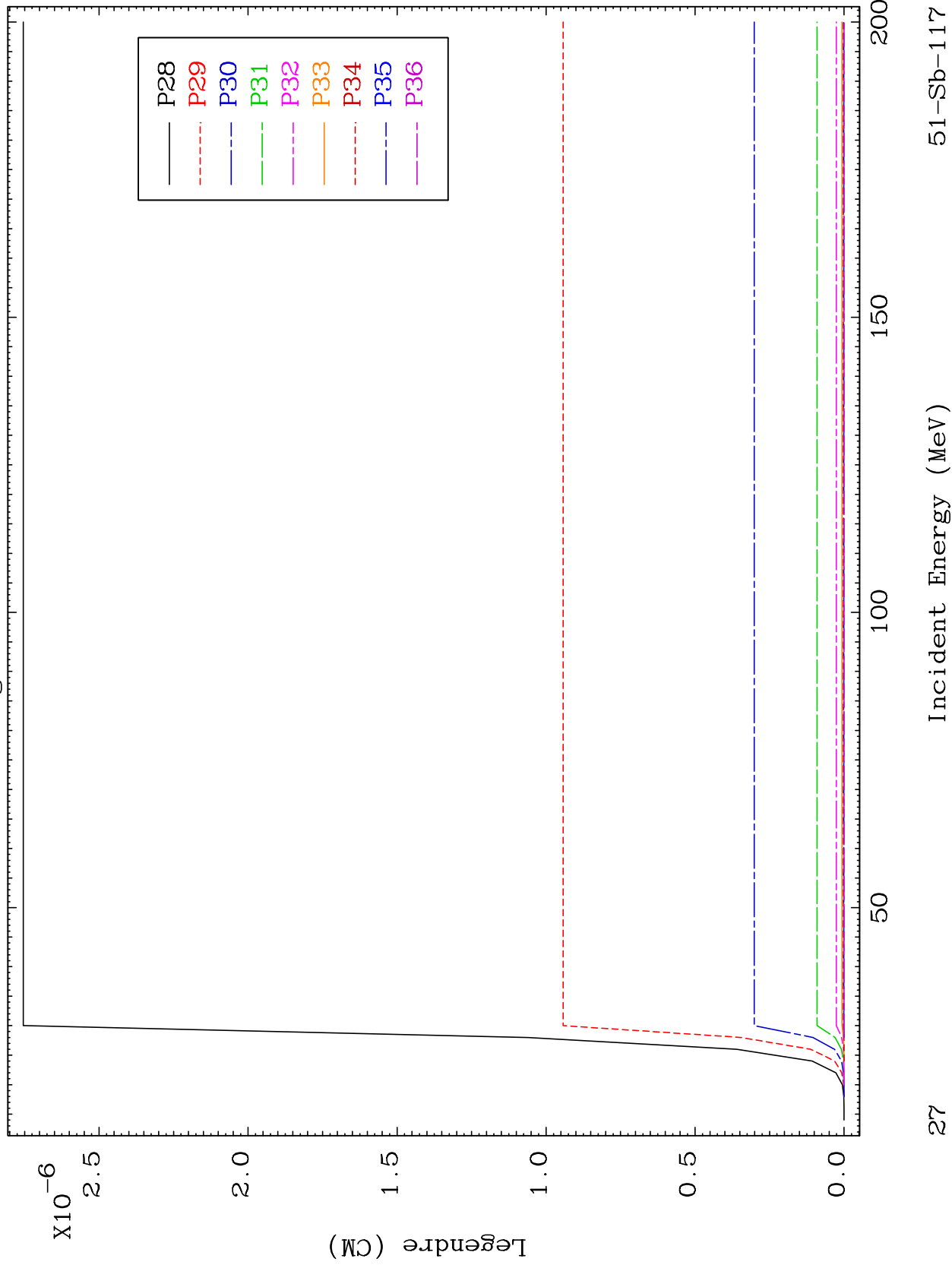
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117

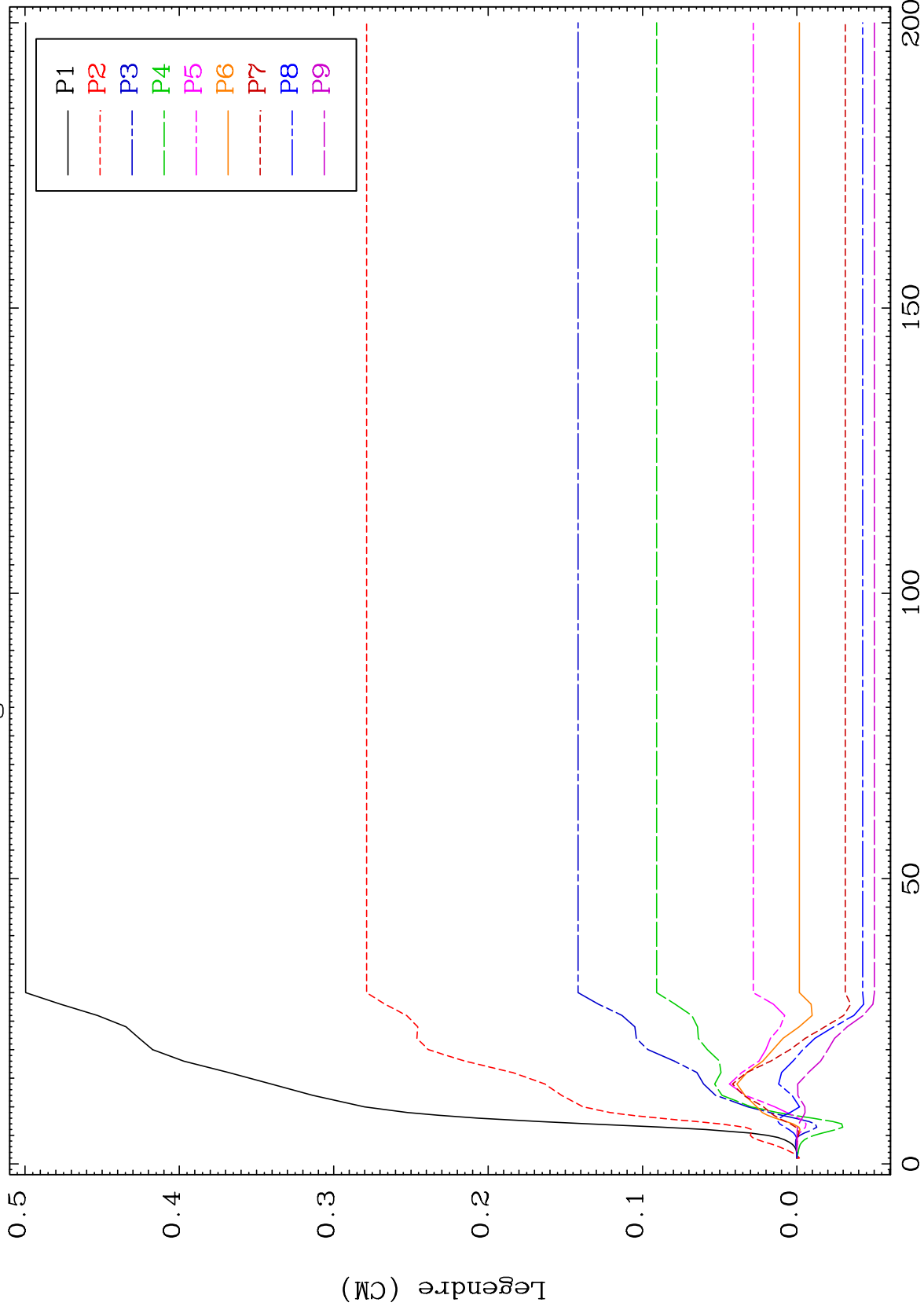


MAT 5113

MT= 53 (n,n') Level

51-Sb-117

Legendre Coefficients



28

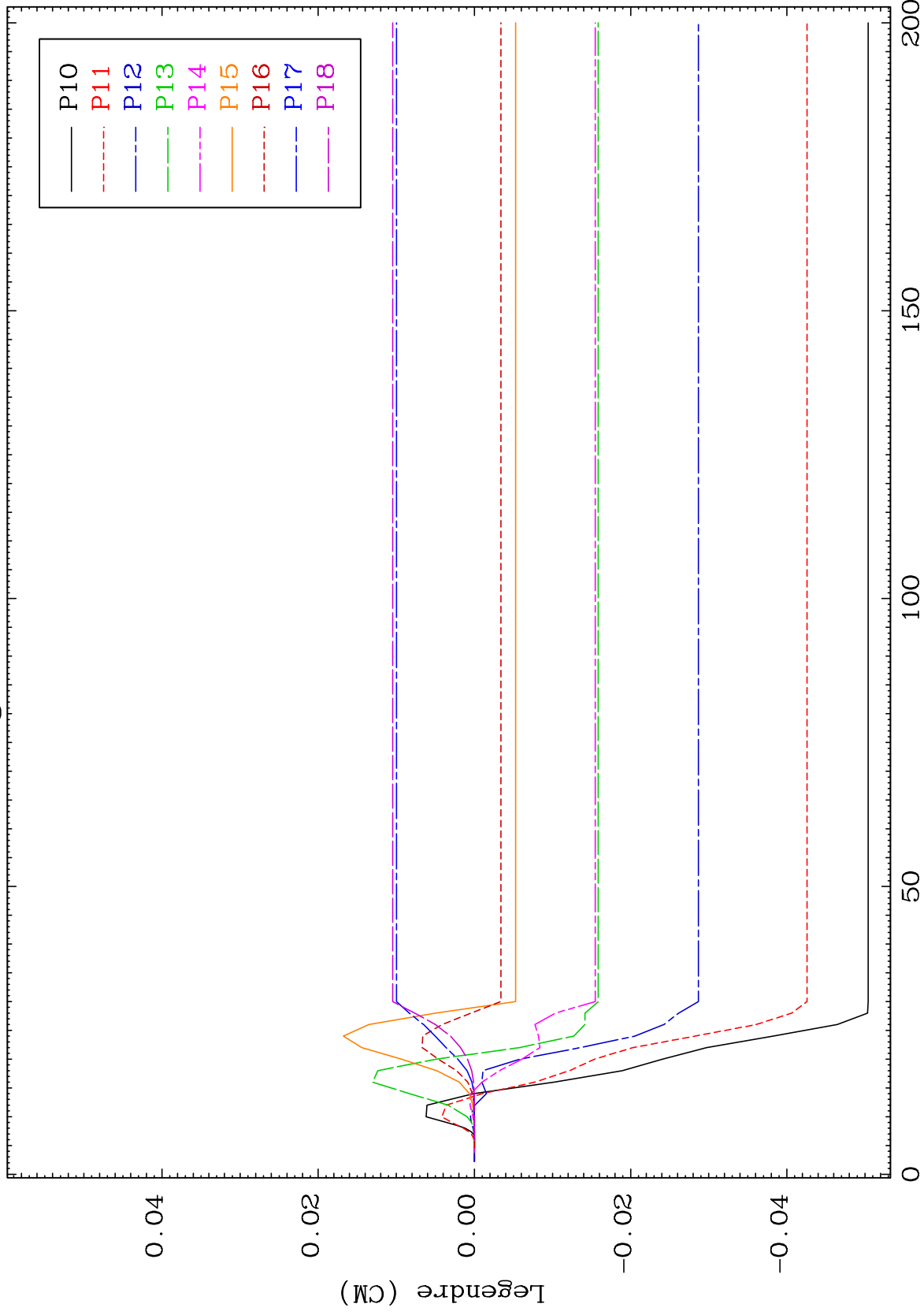
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



29

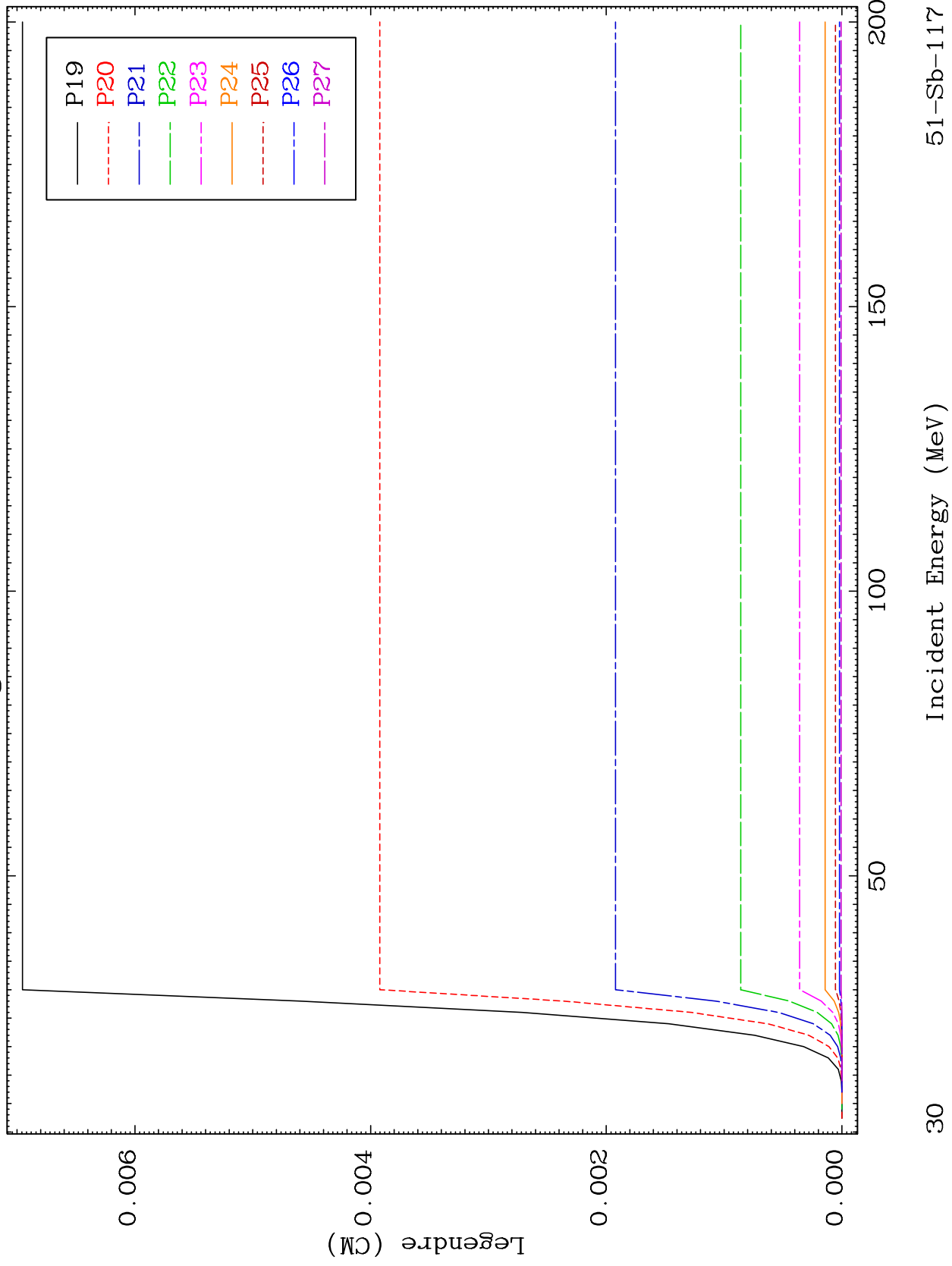
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



51-Sb-117

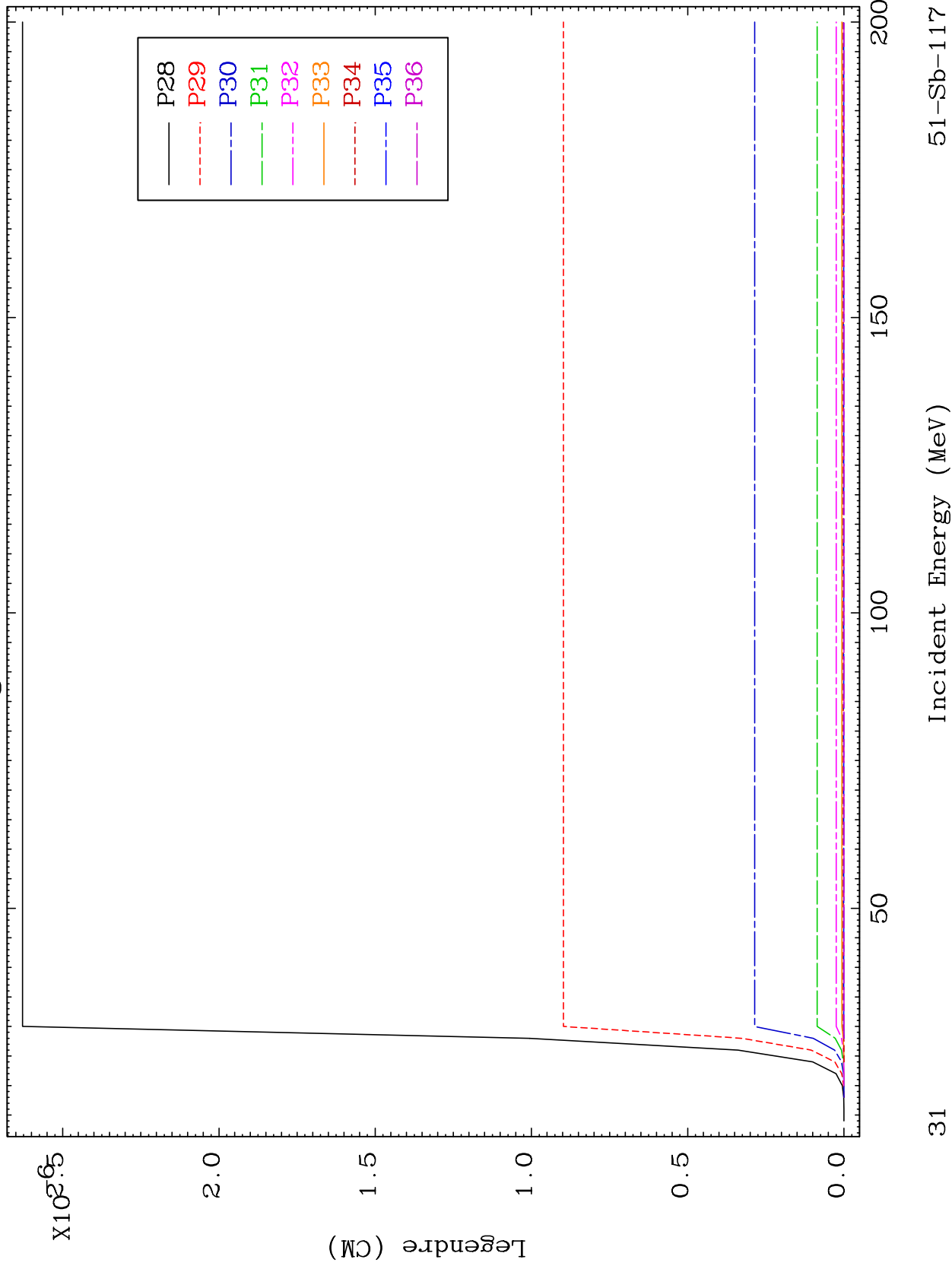
Incident Energy (MeV)

30

MAT 5113

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

51-Sb-117

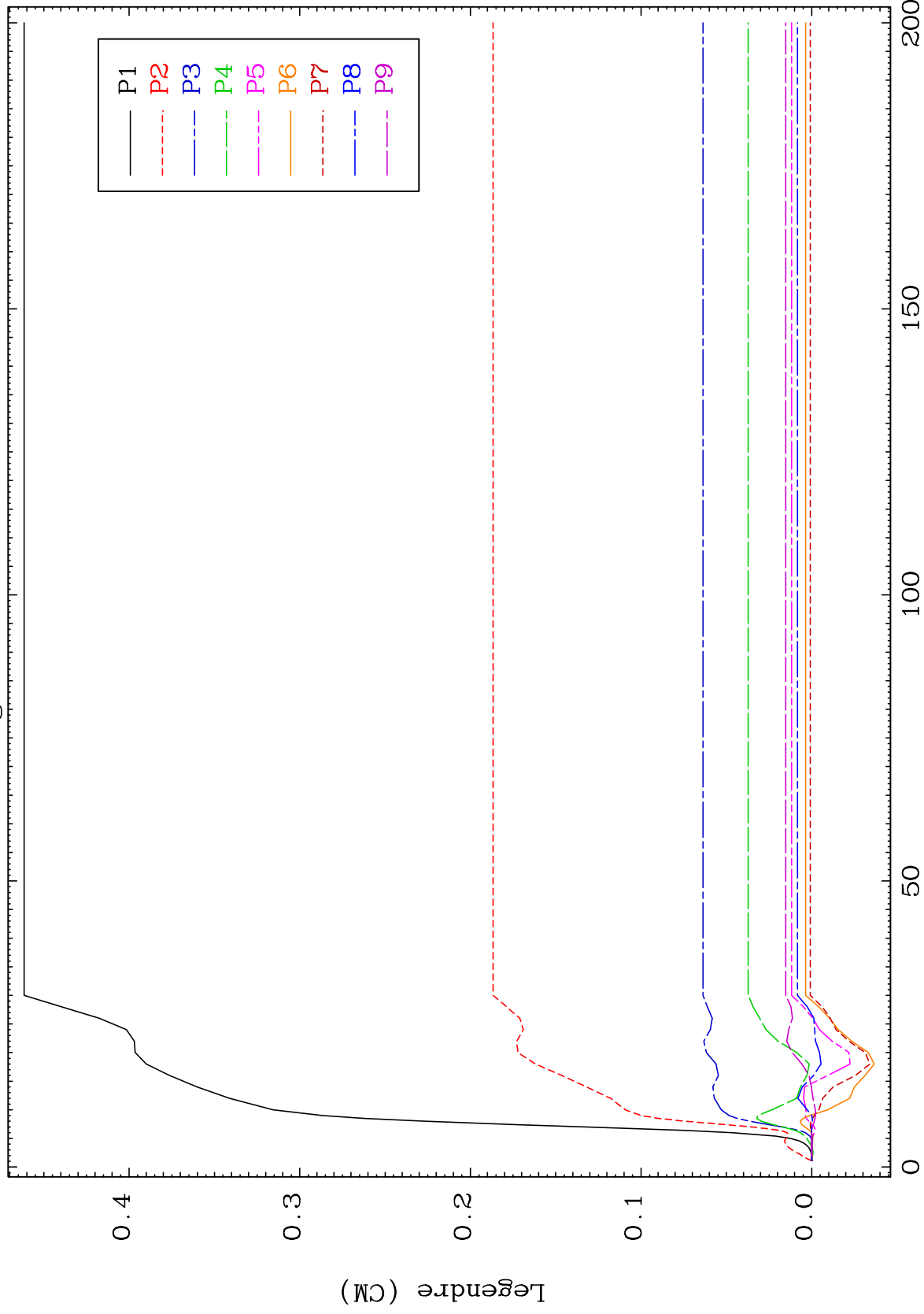


31

MAT 5113

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

51-Sb-117



32

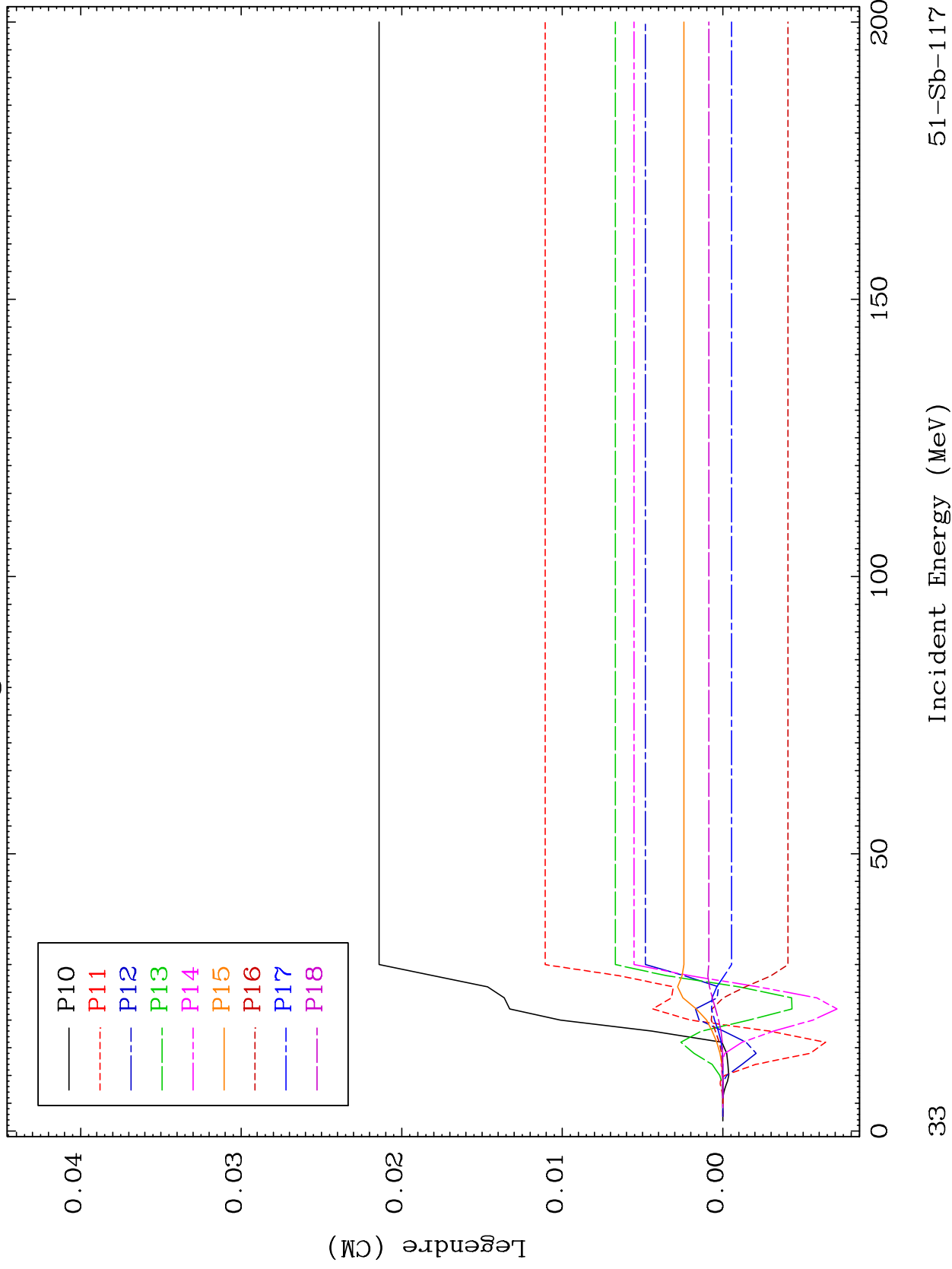
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

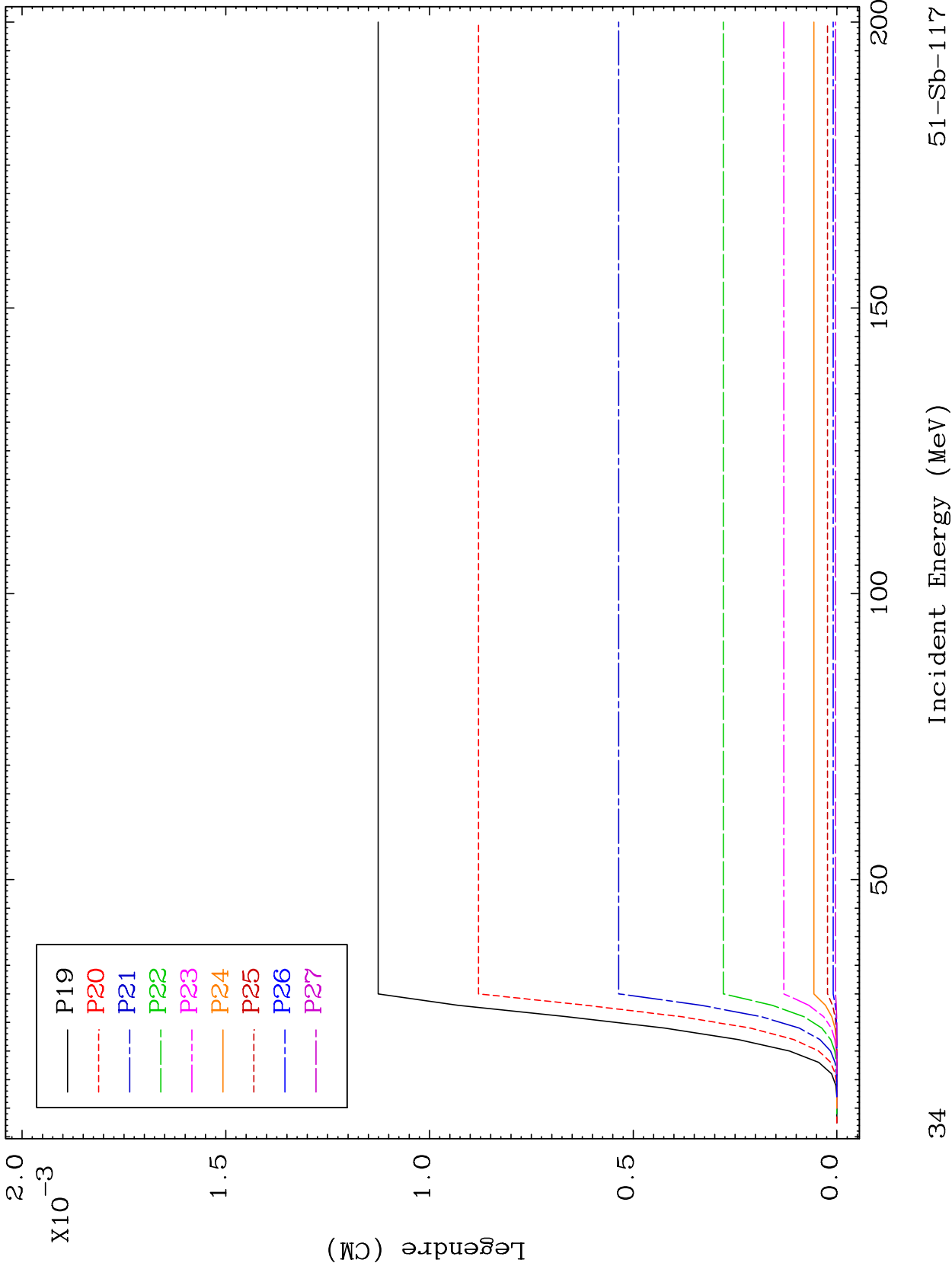
51-Sb-117



33

Incident Energy (MeV)

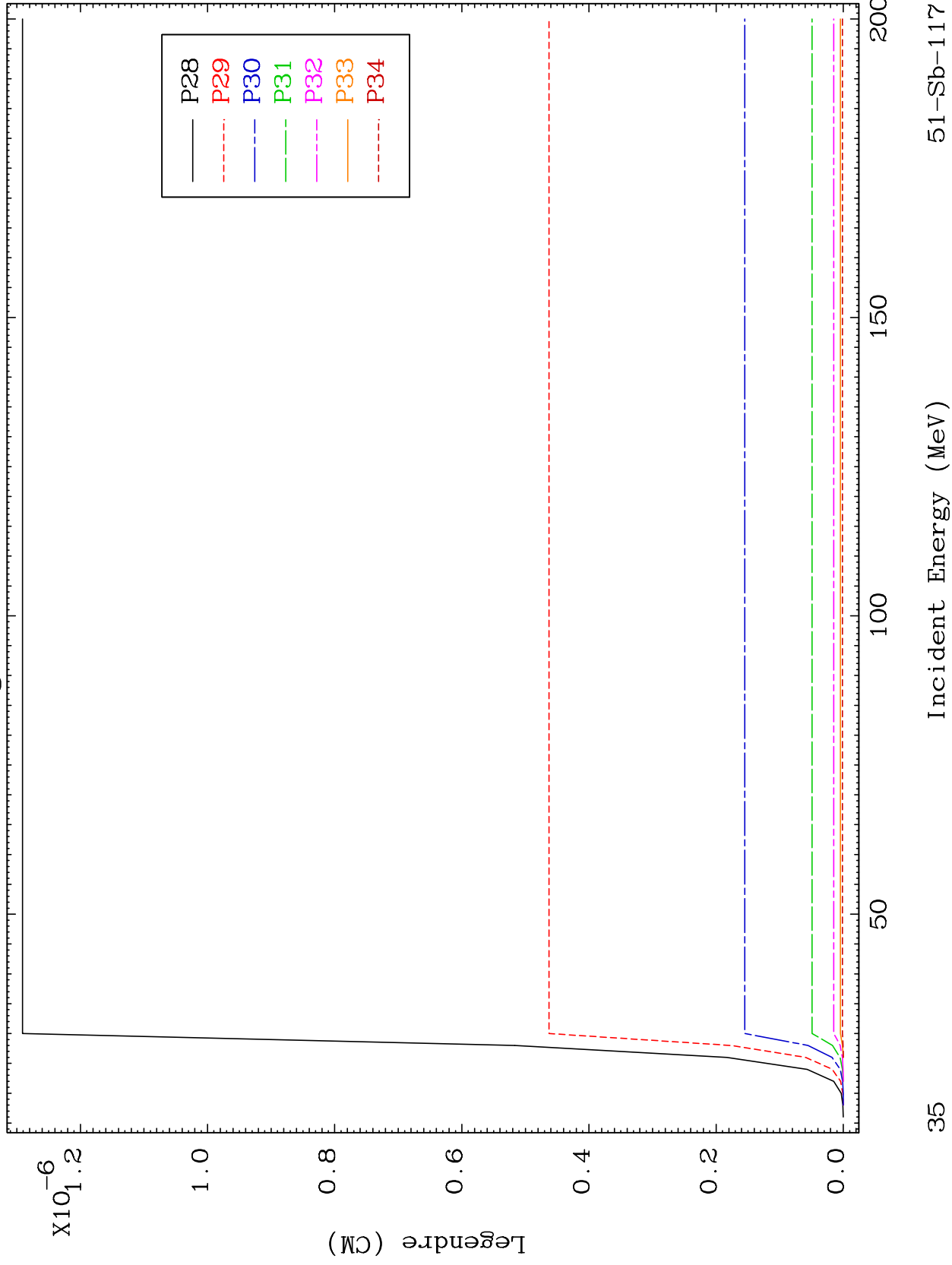
51-Sb-117



MAT 5113

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

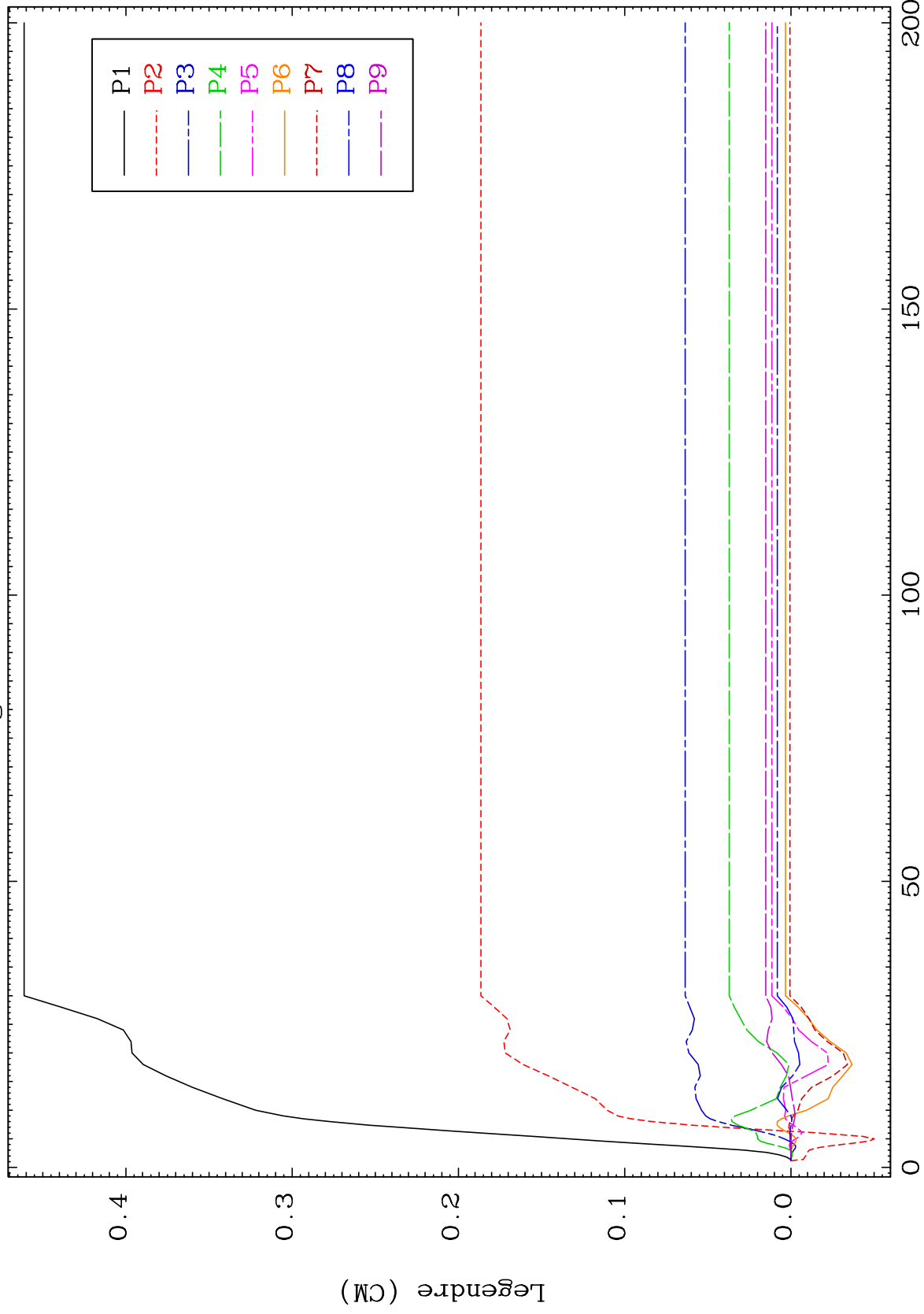
51-Sb-117



MAT 5113

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

51-Sb-117



51-Sb-117

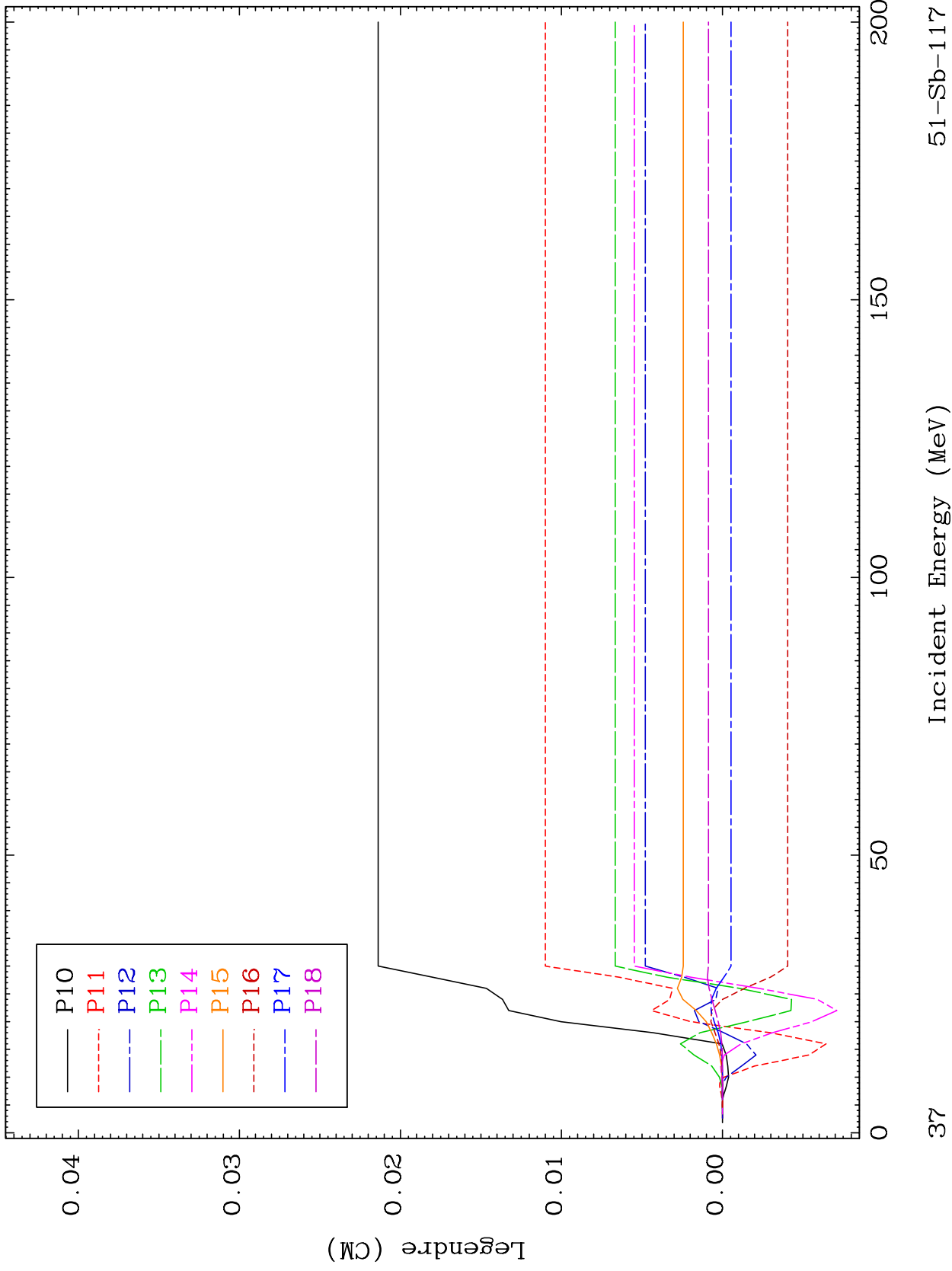
Incident Energy (MeV)

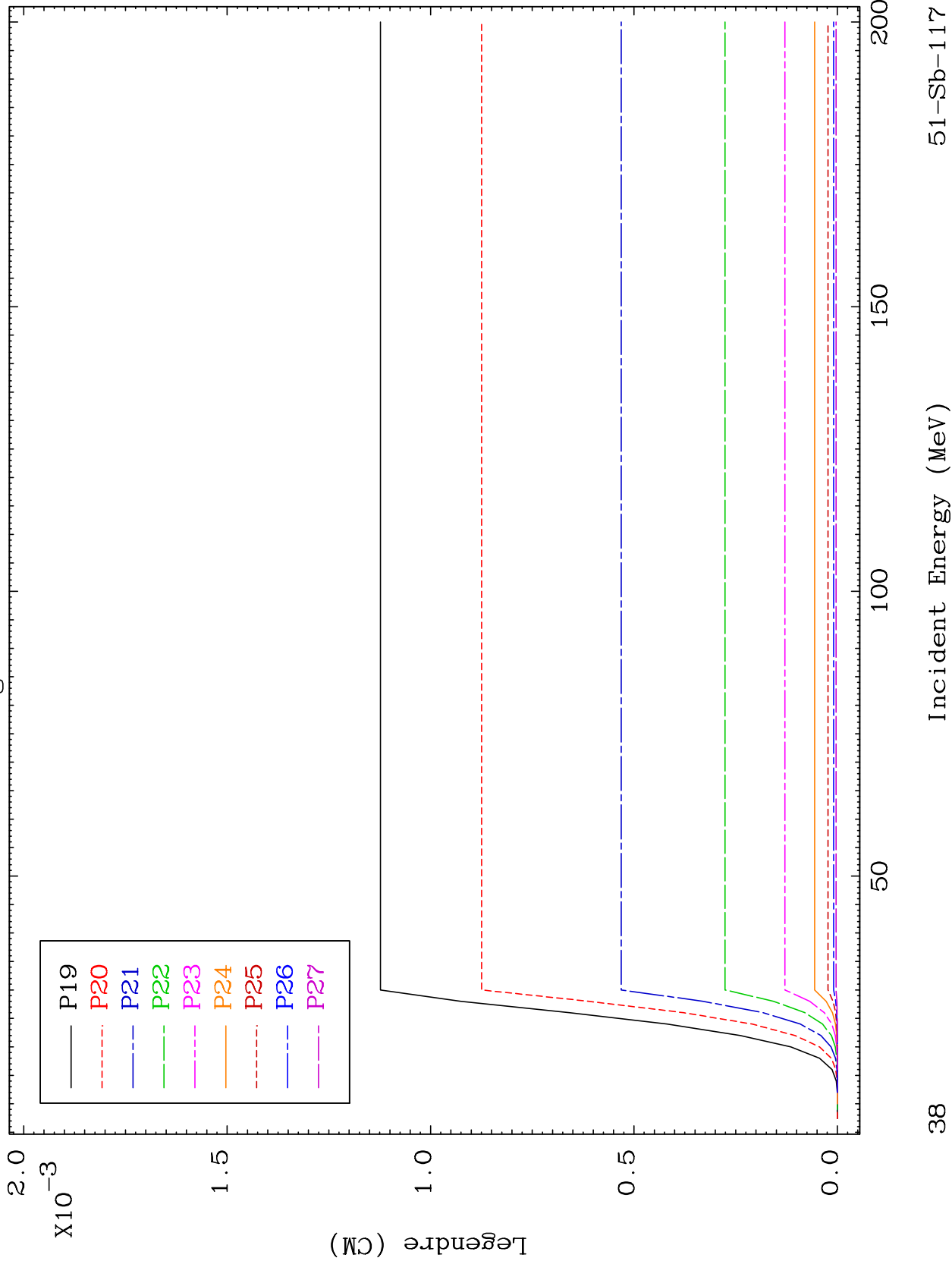
36

MAT 5113

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

51-Sb-117

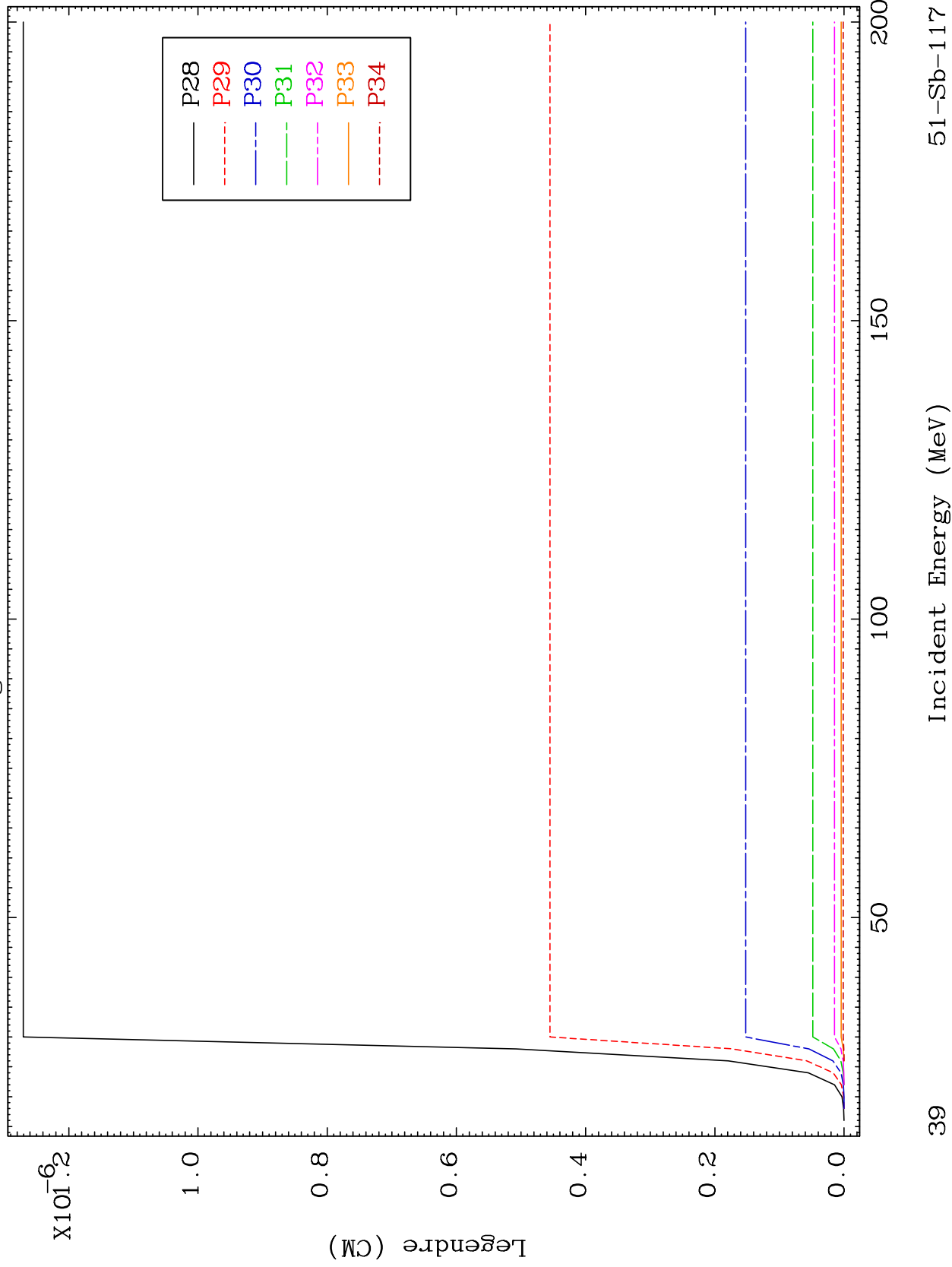




MAT 5113

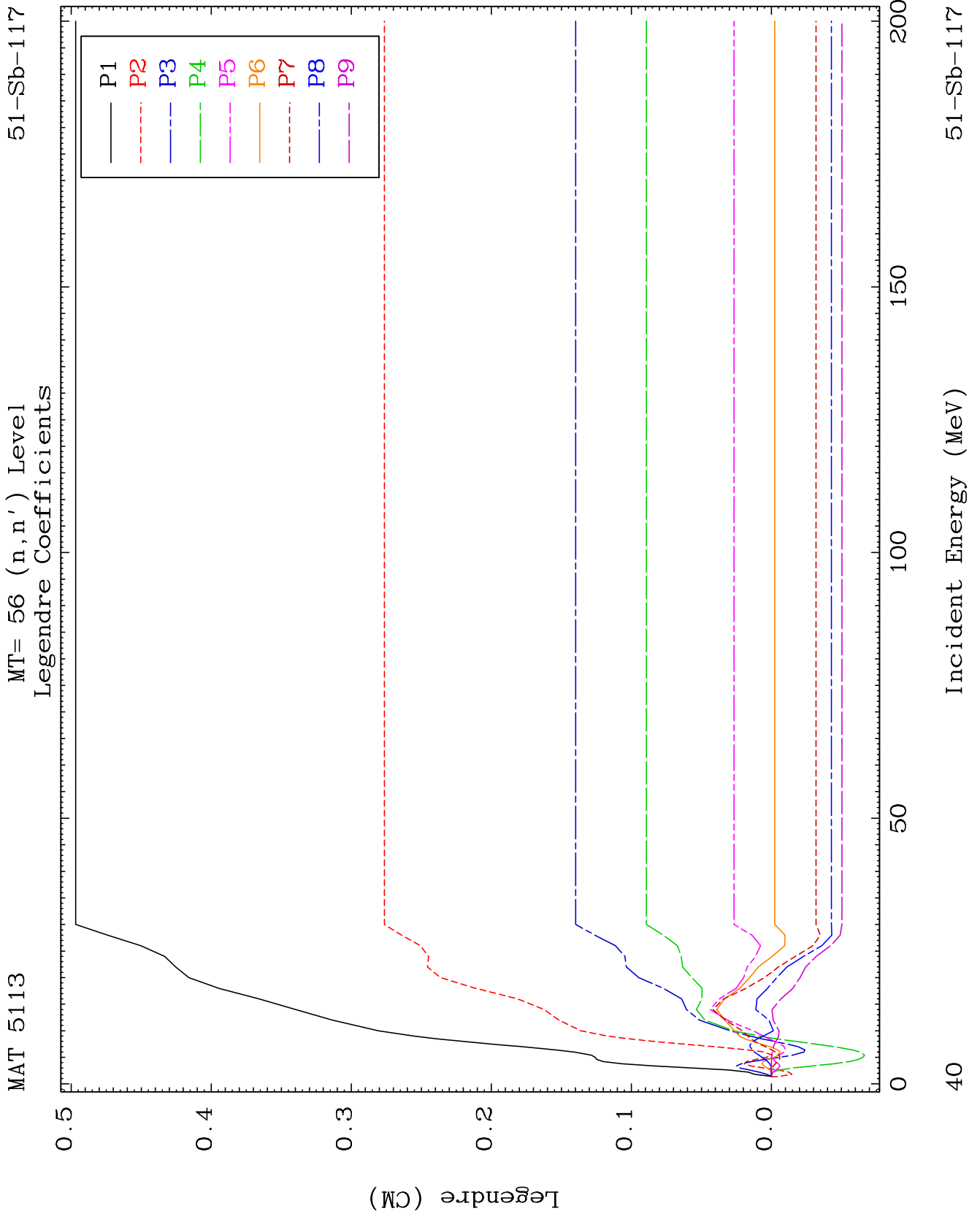
MT= 55 (n,n') Level  
Legendre Coefficients

51-Sb-117



39

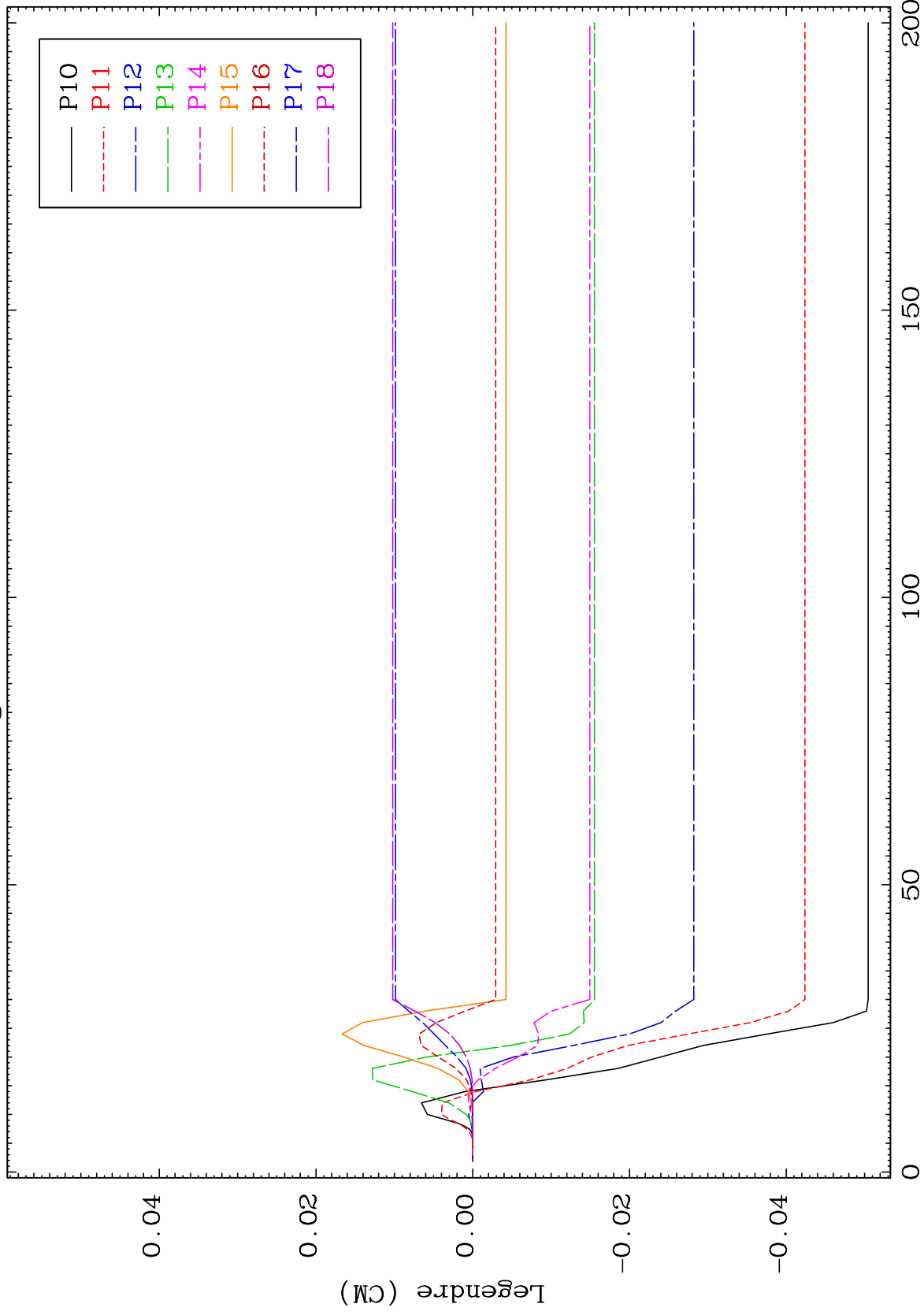
51-Sb-117



MAT 5113

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

51-Sb-117



41

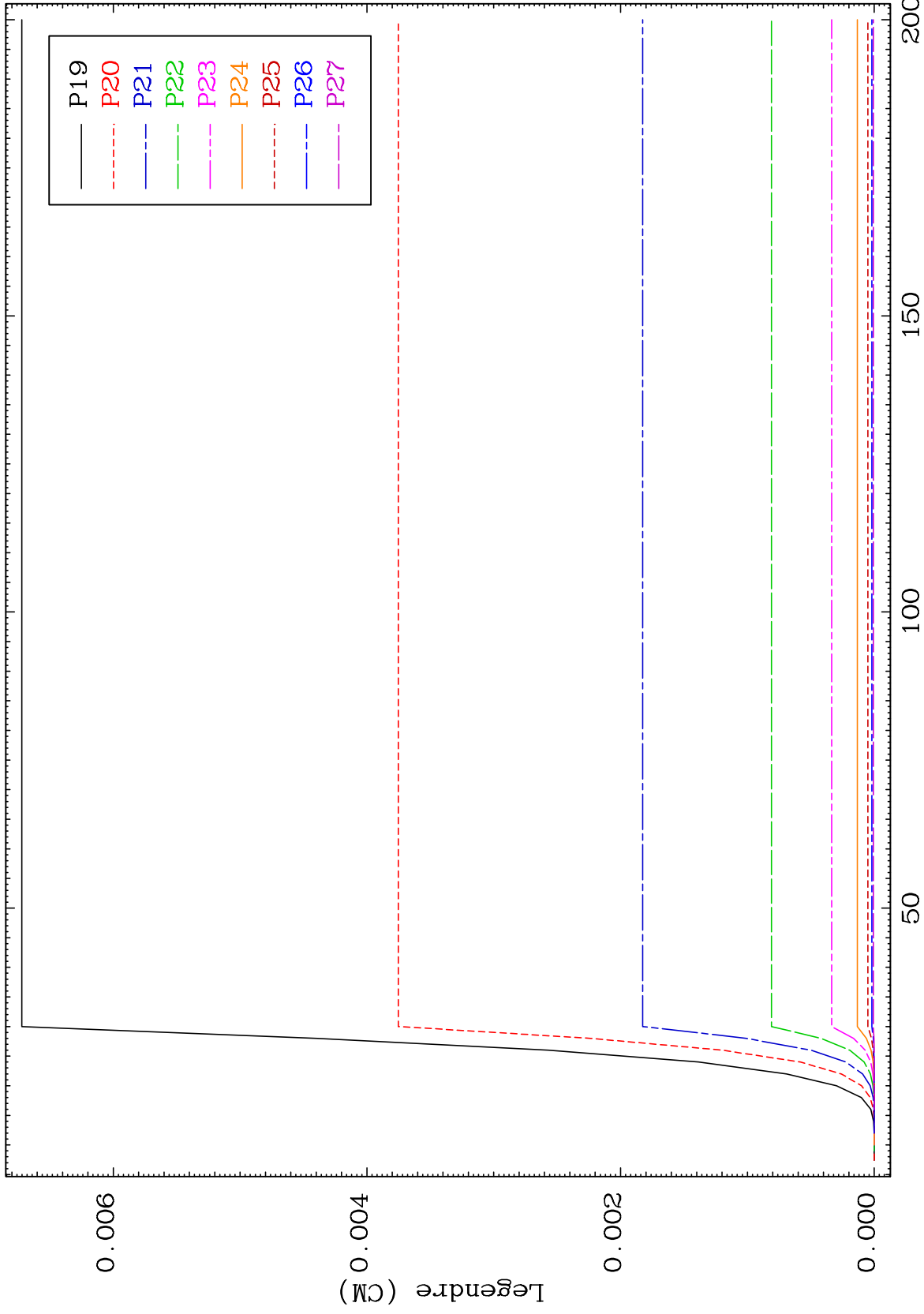
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



42

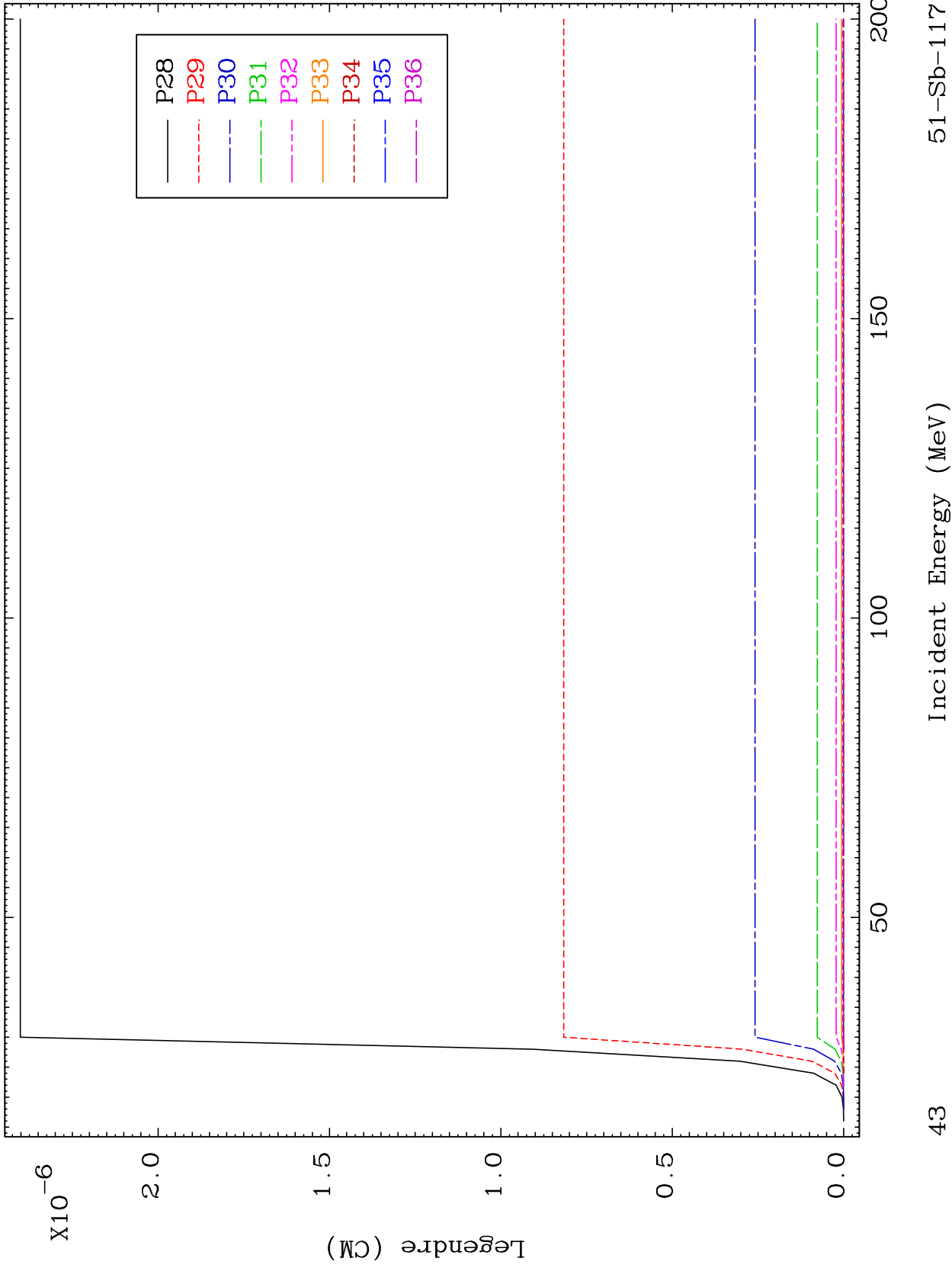
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117

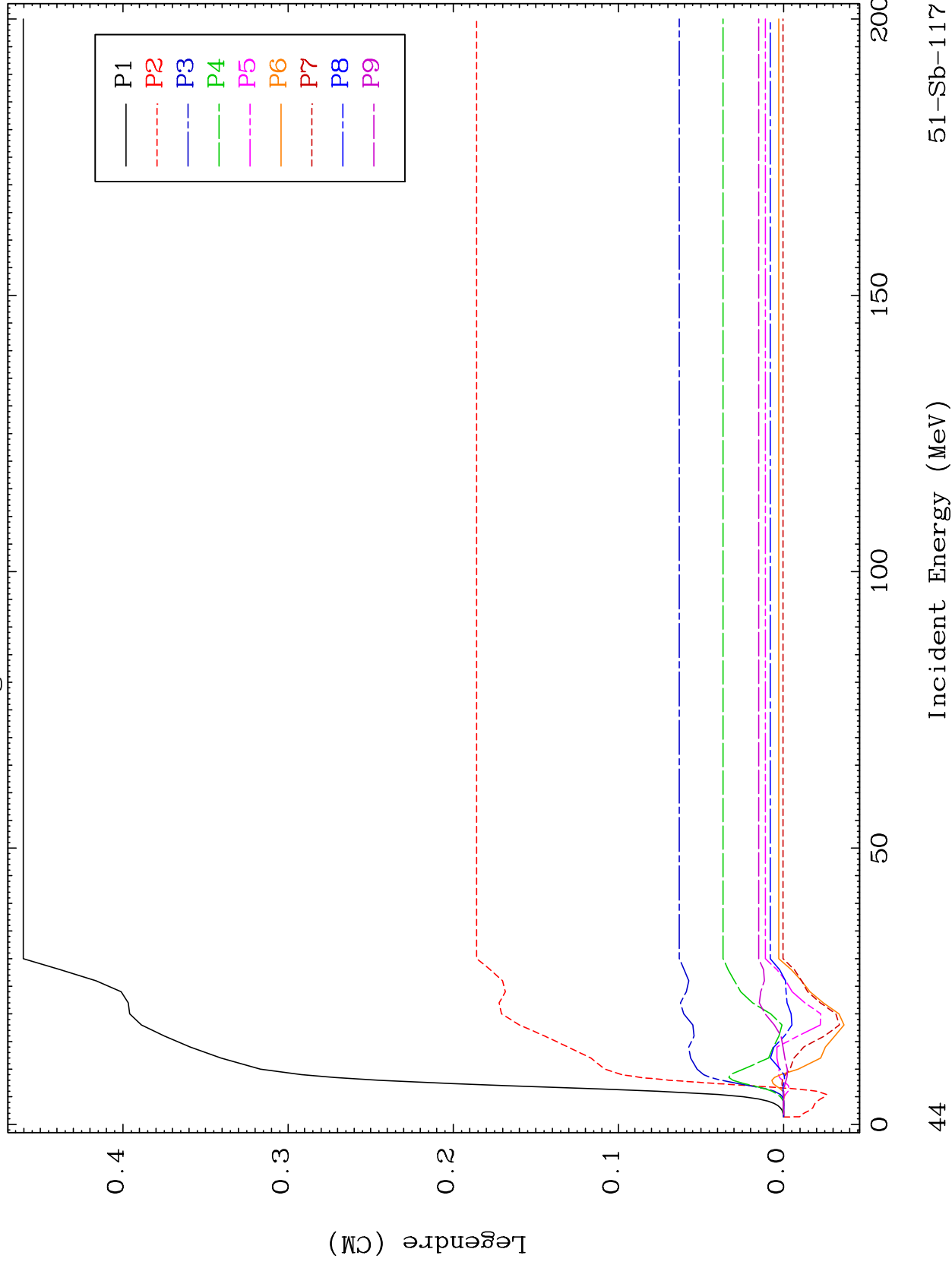


43

MAT 5113

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

51-Sb-117



51-Sb-117

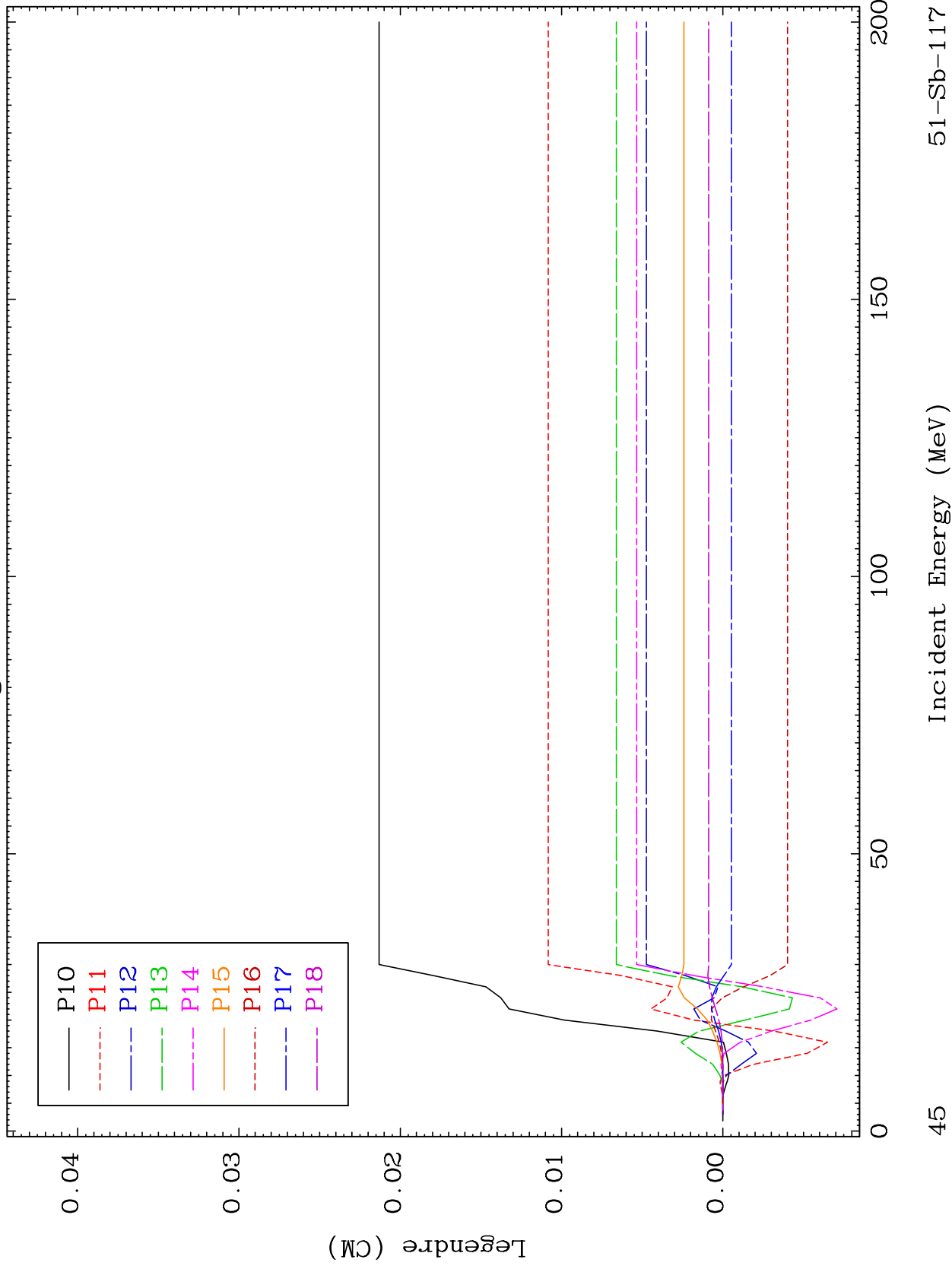
Incident Energy (MeV)

44

MAT 5113

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

51-Sb-117



51-Sb-117

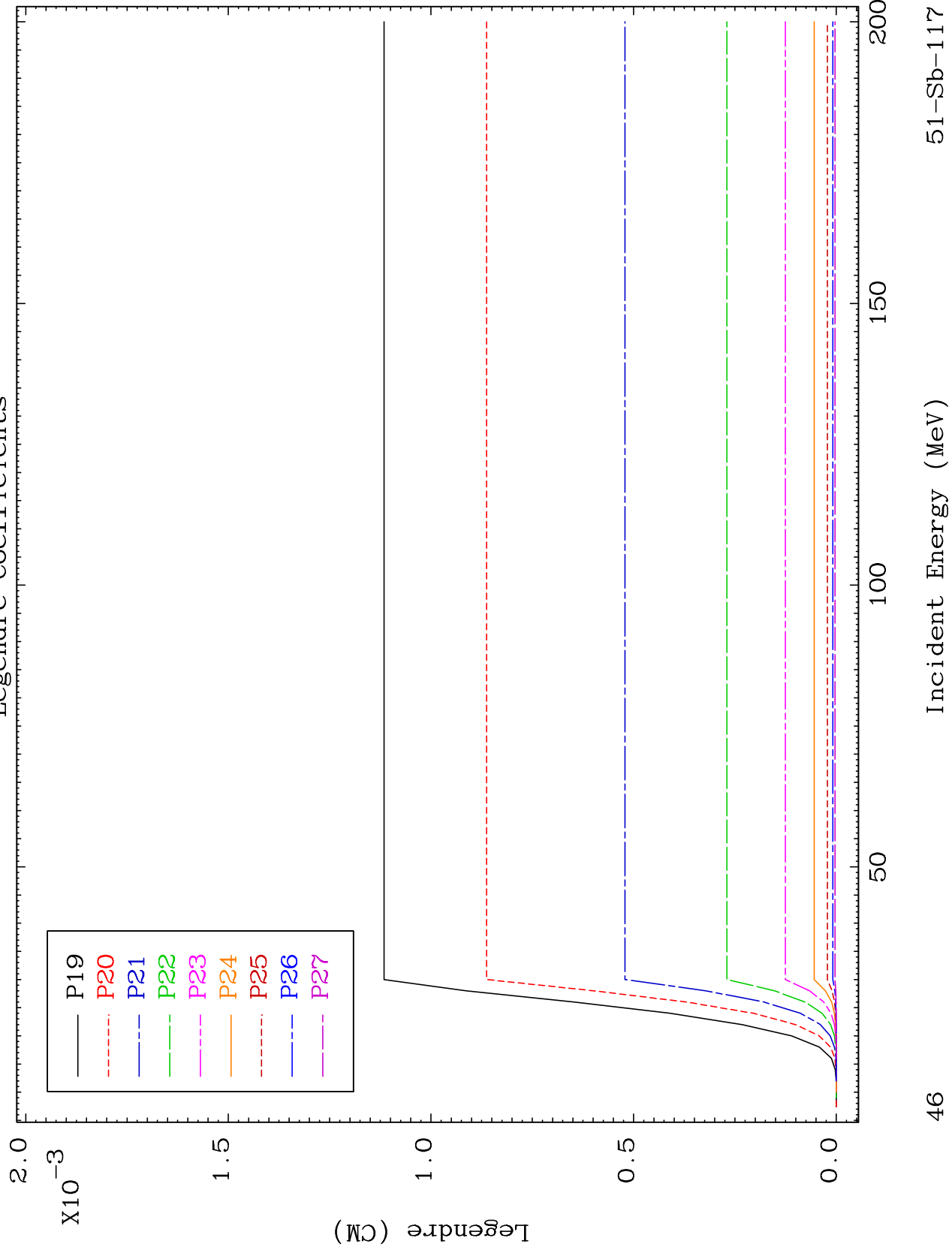
Incident Energy (MeV)

45

MAT 5113

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

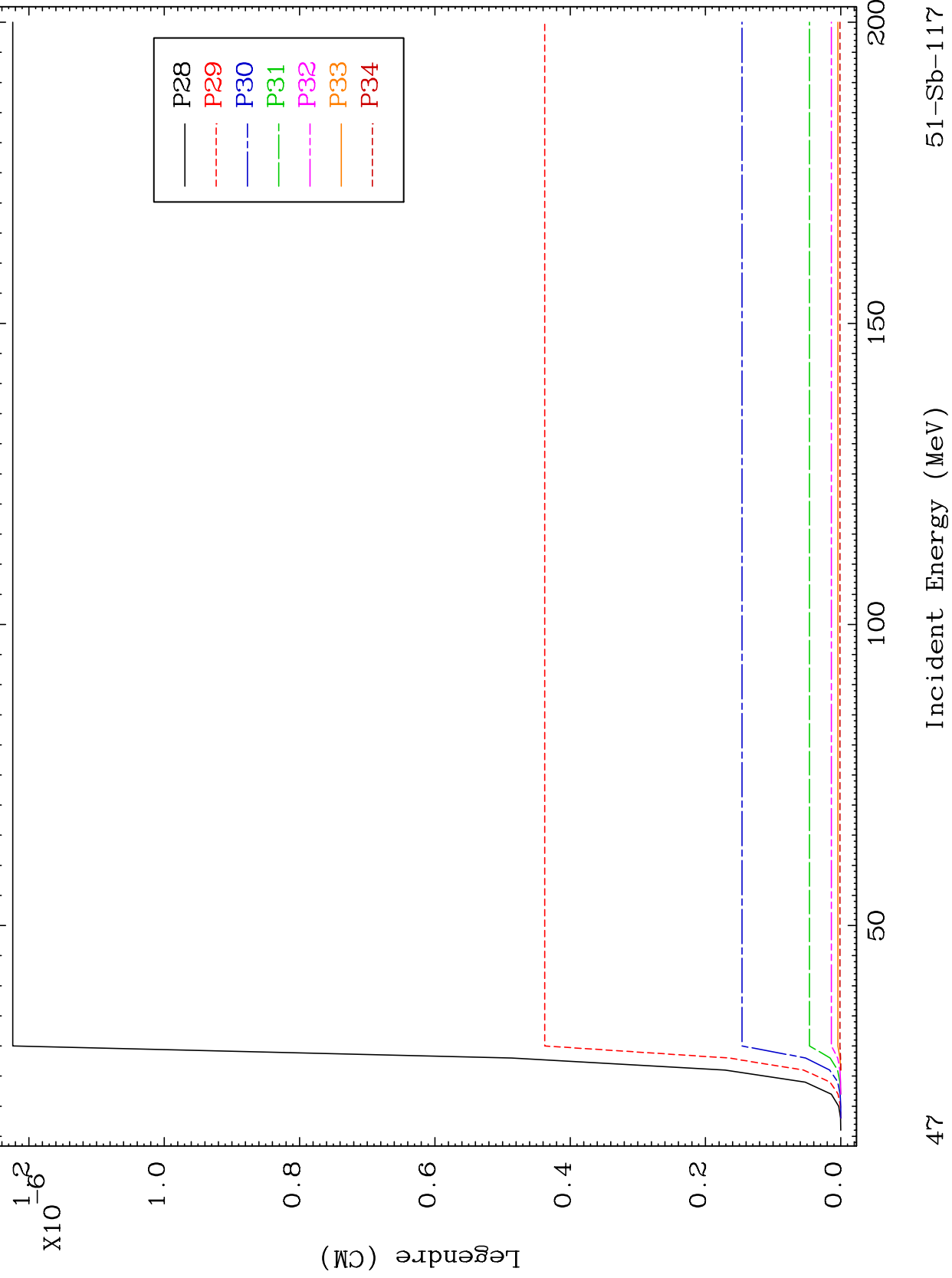
51-Sb-117

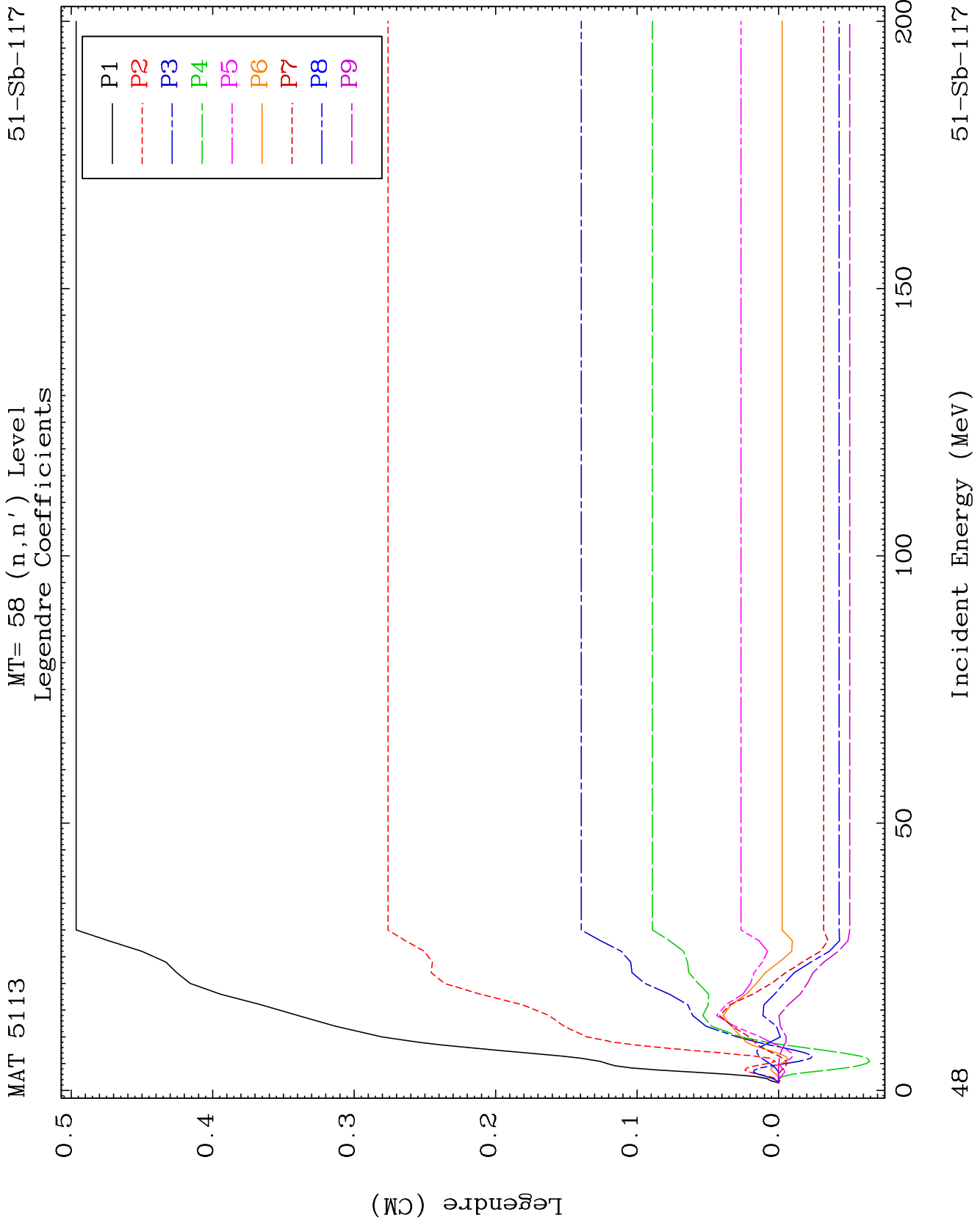


MAT 5113

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

51-Sb-117

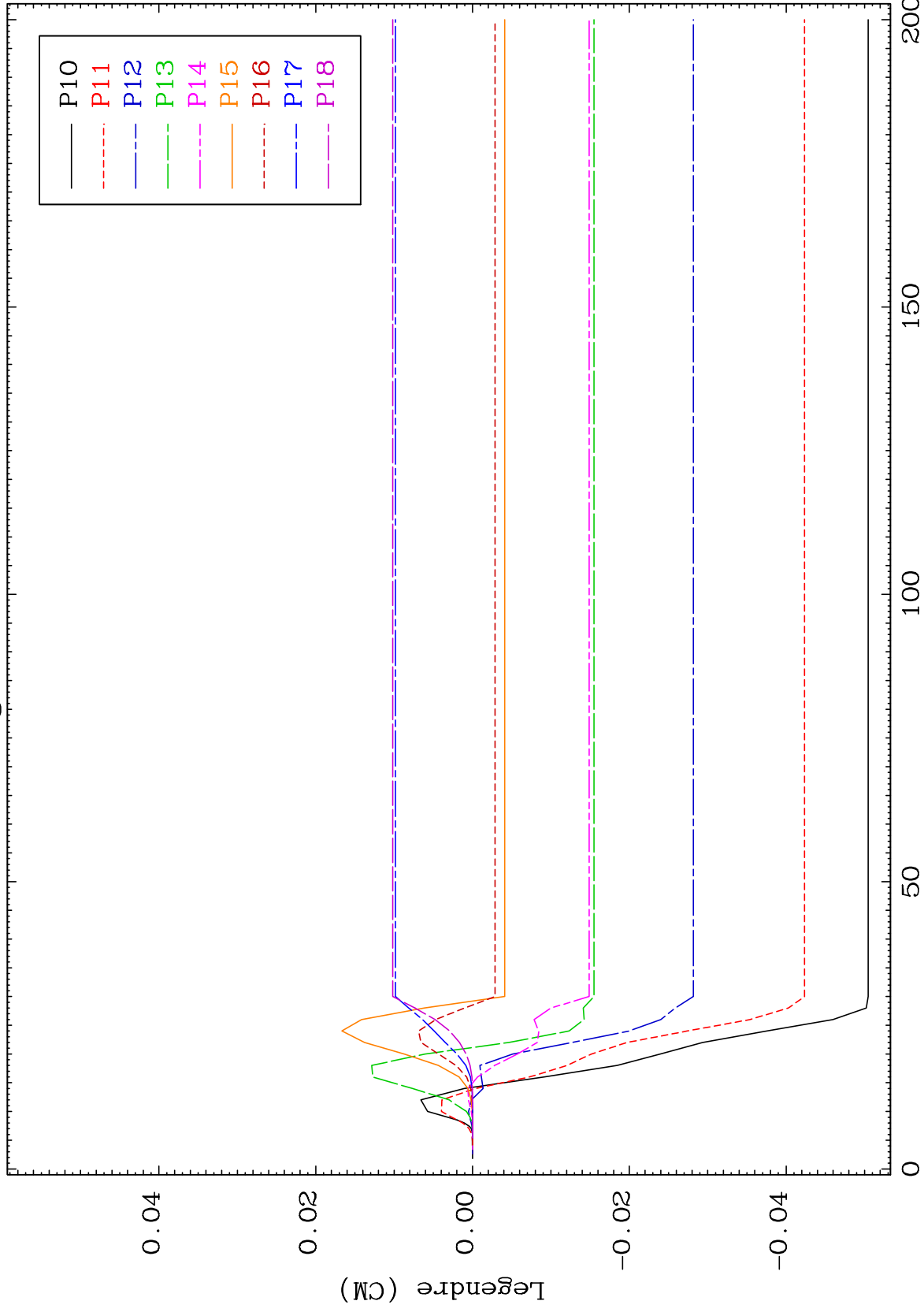




MAT 5113

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

51-Sb-117



49

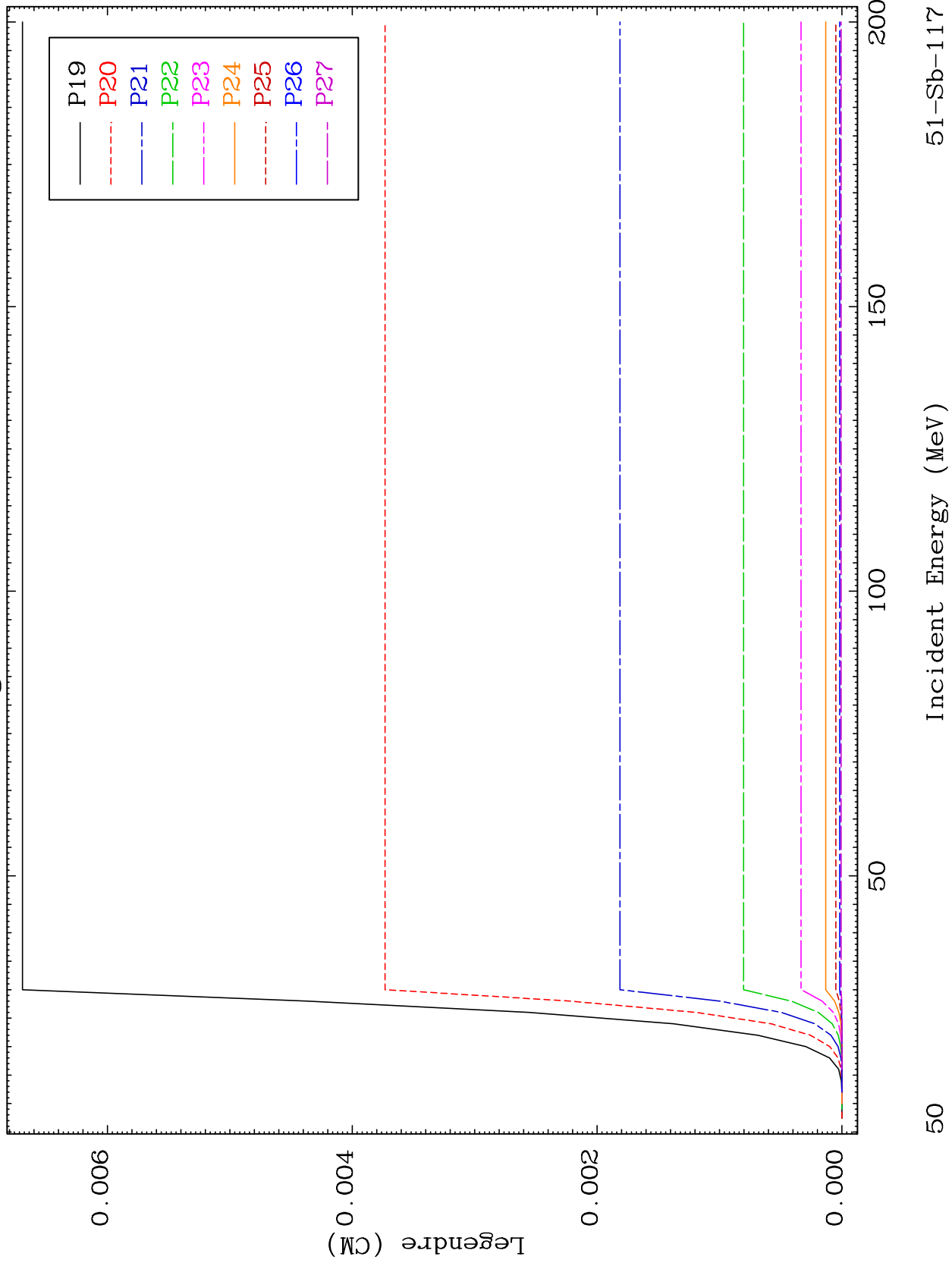
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



51-Sb-117

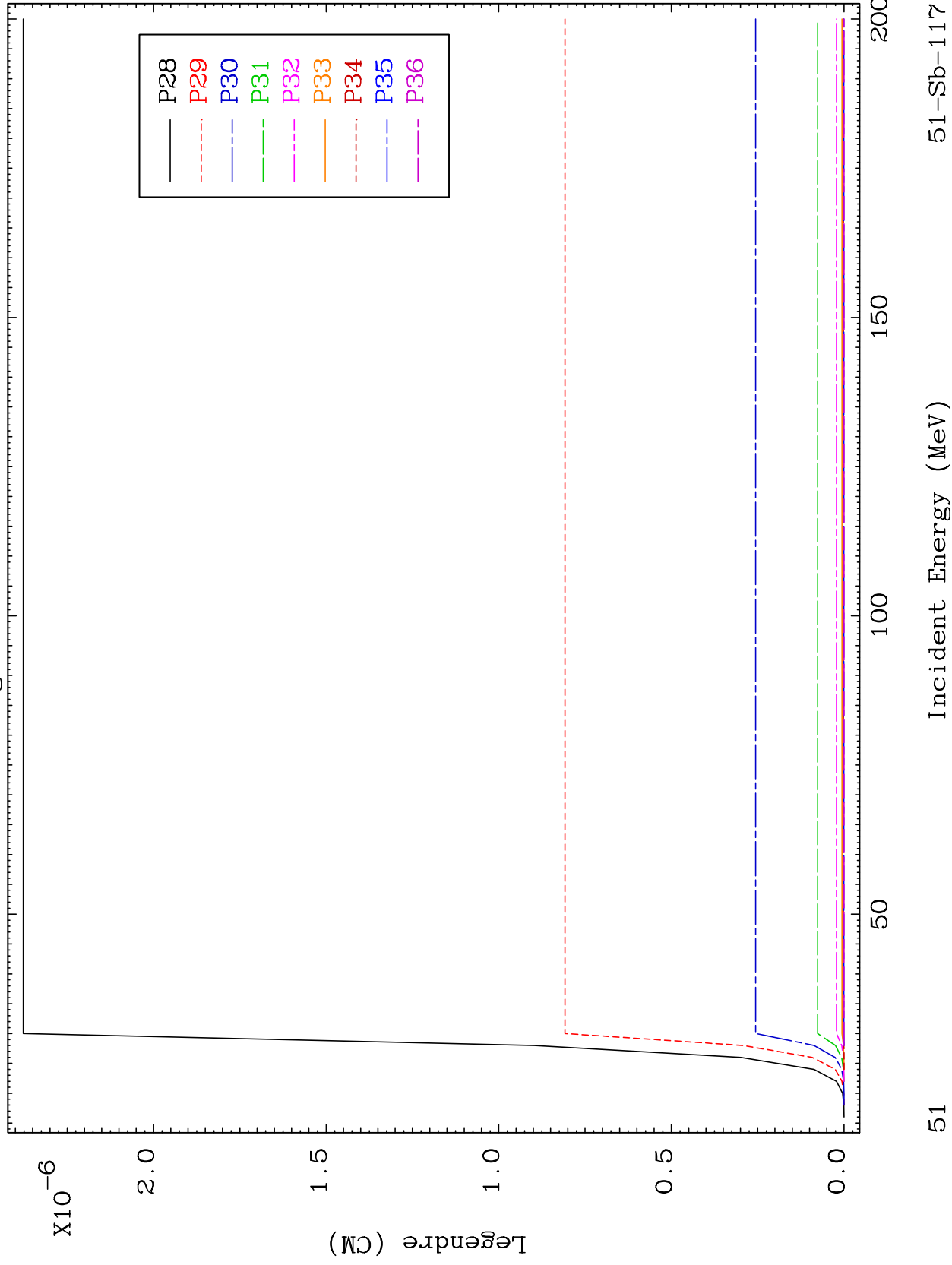
Incident Energy (MeV)

50

MAT 5113

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

51-Sb-117



51

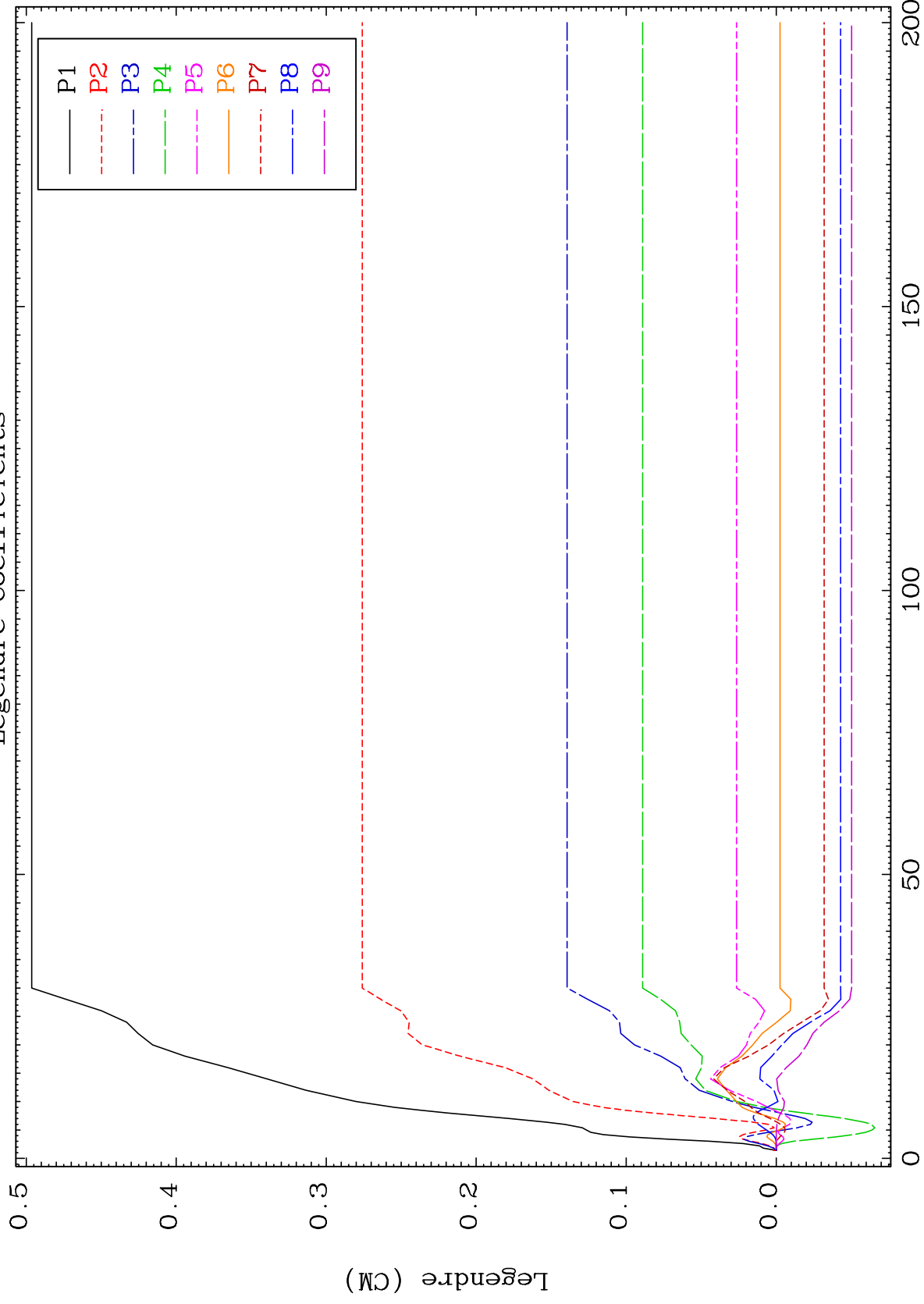
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



52

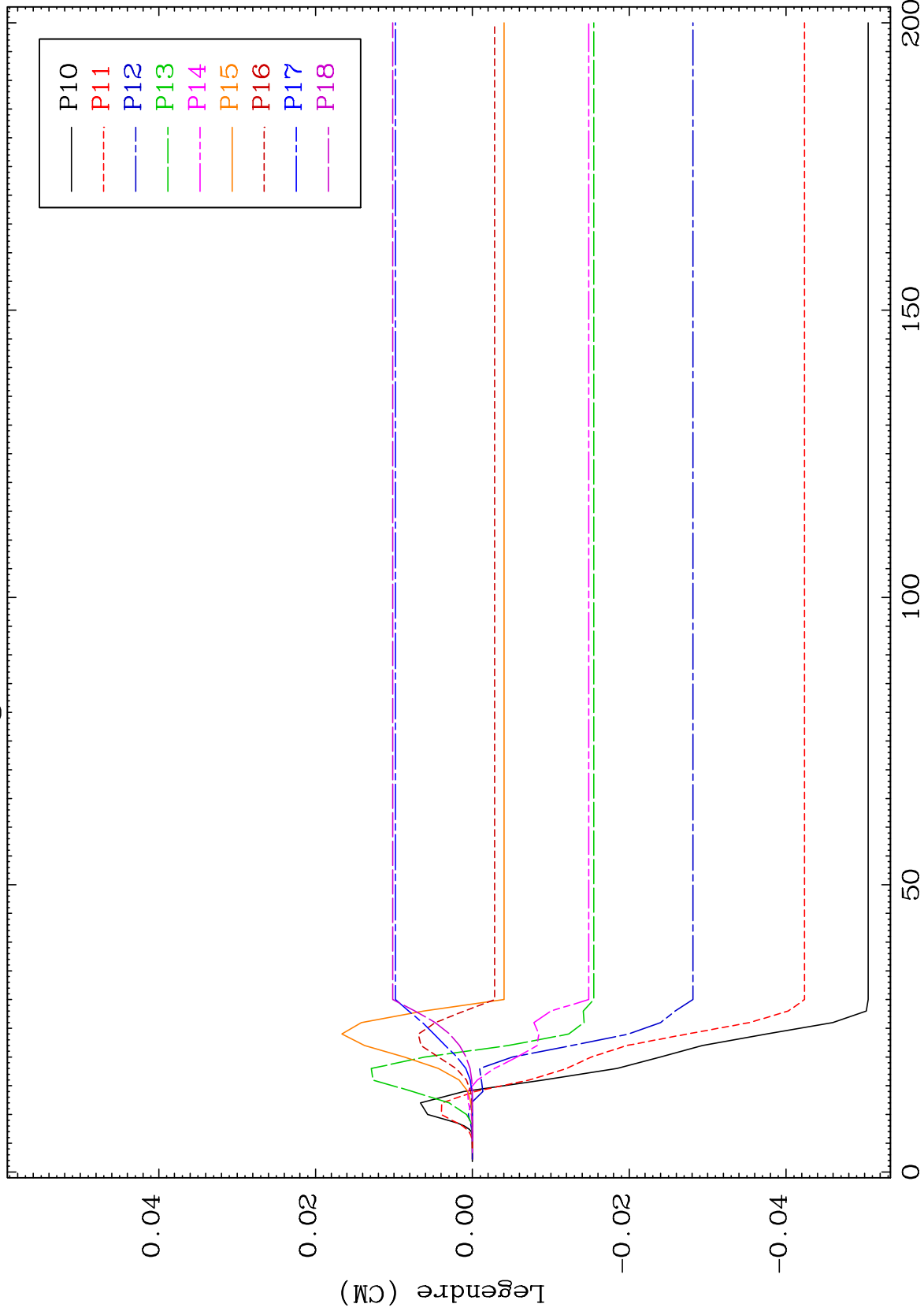
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



53

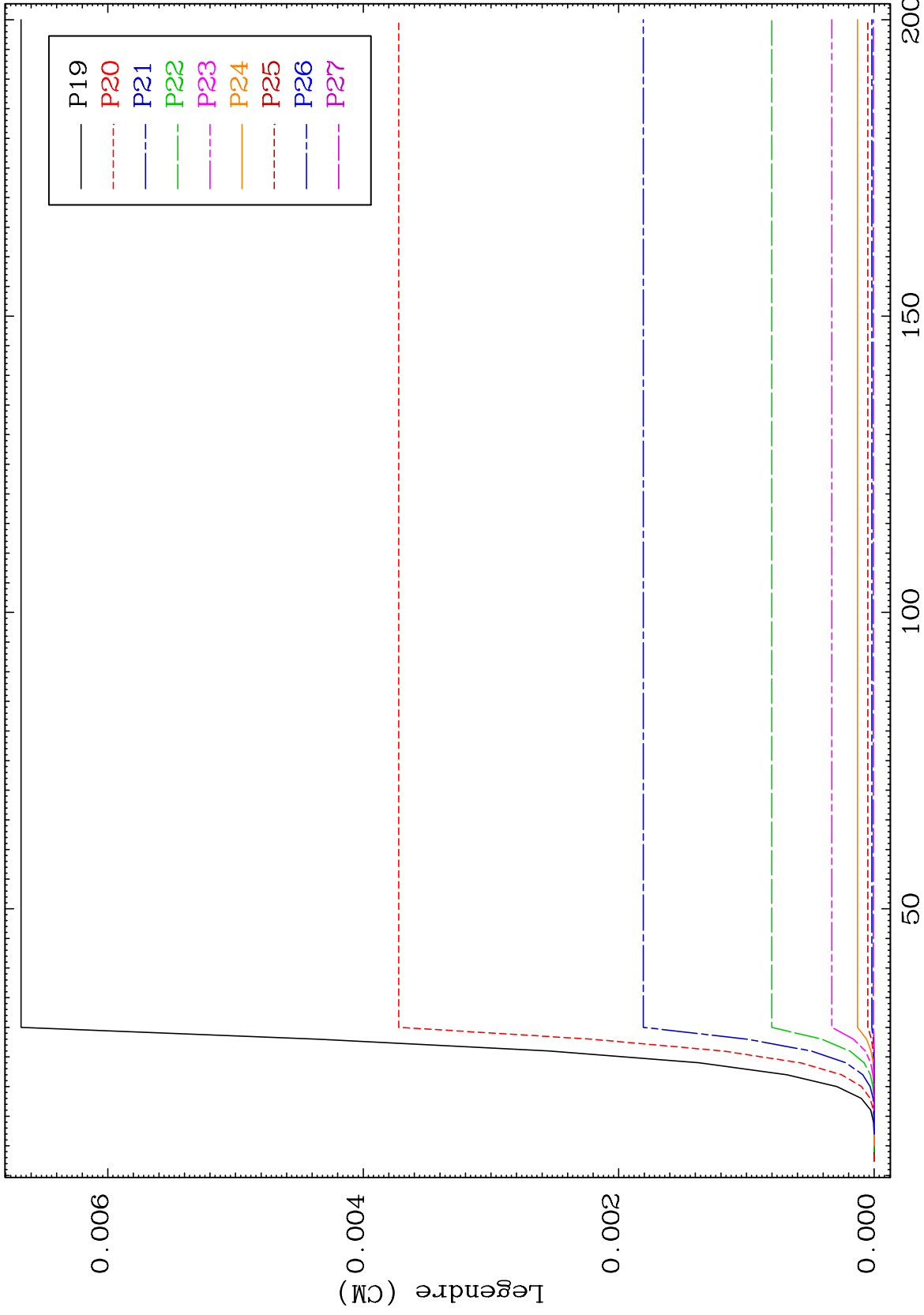
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



54

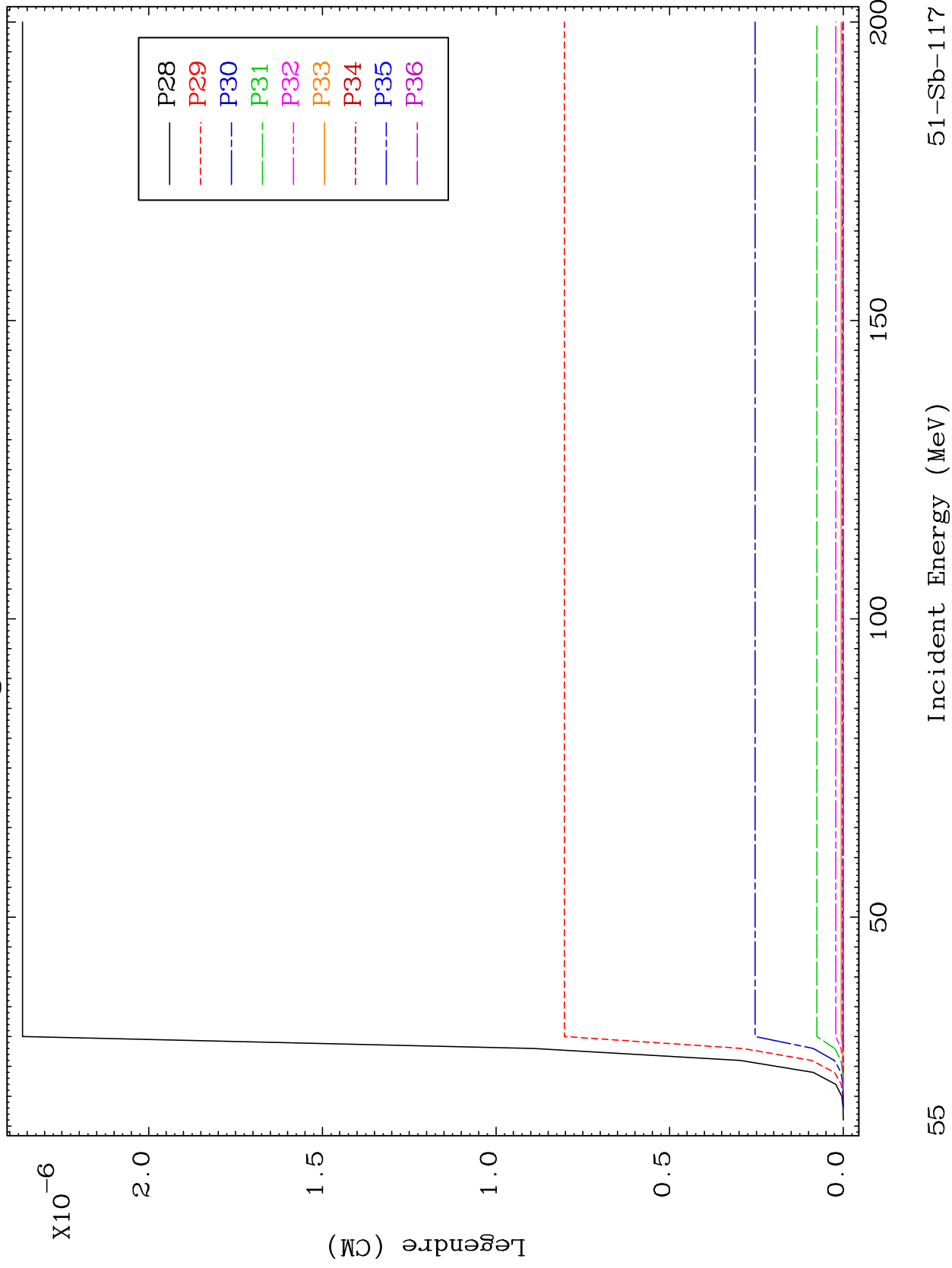
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



51-Sb-117

Incident Energy (MeV)

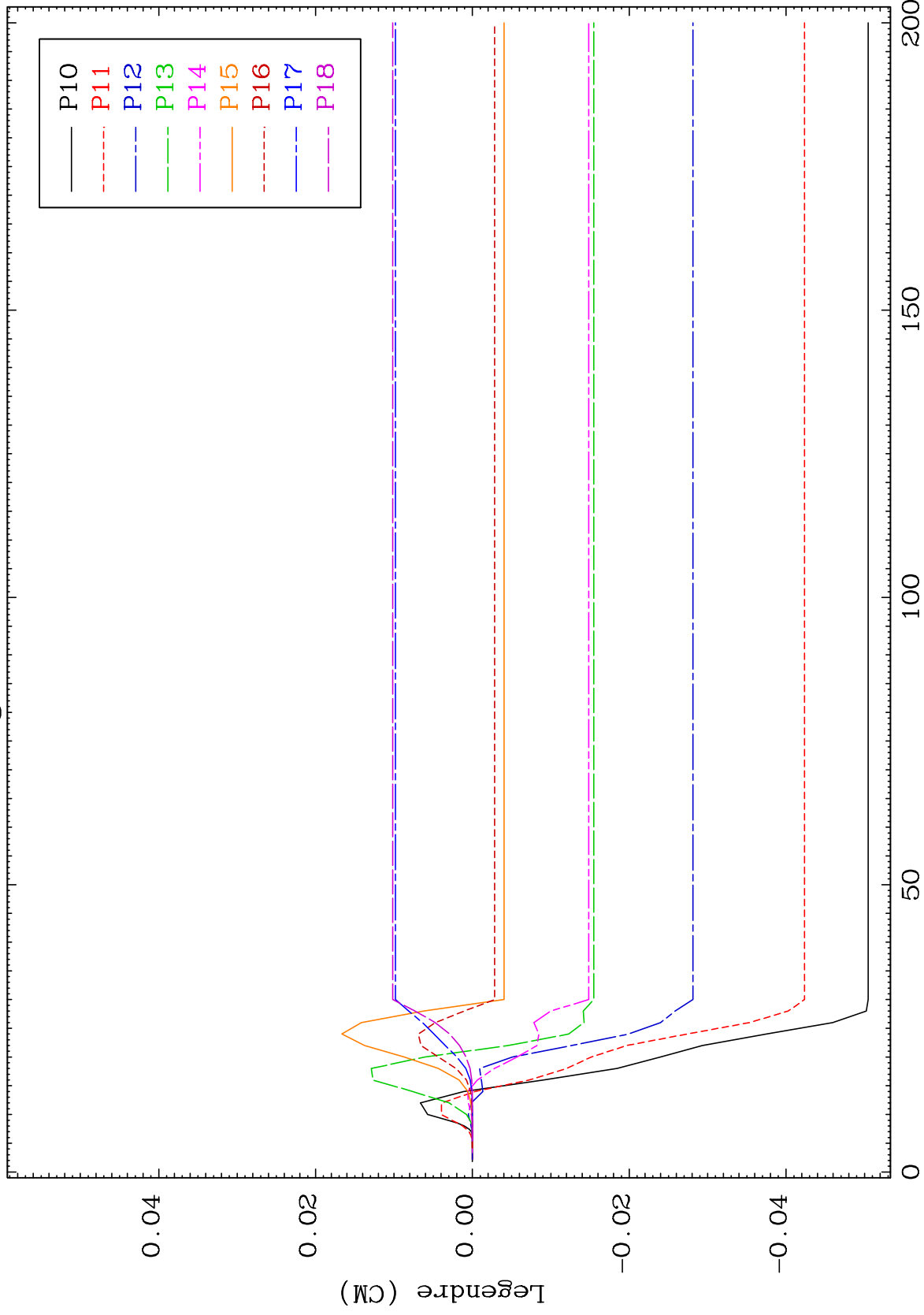
55



MAT 5113

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

51-Sb-117



57

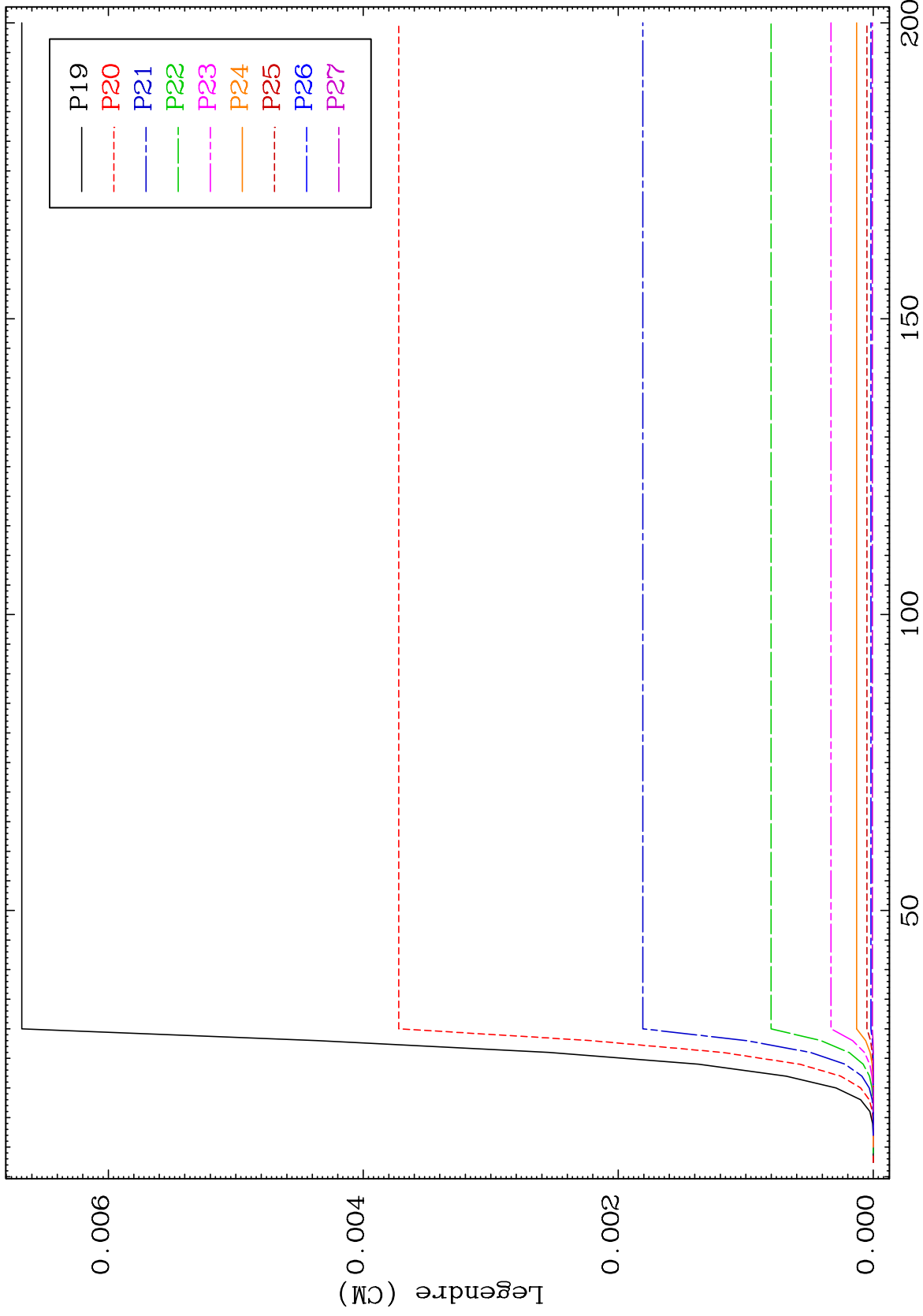
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



58

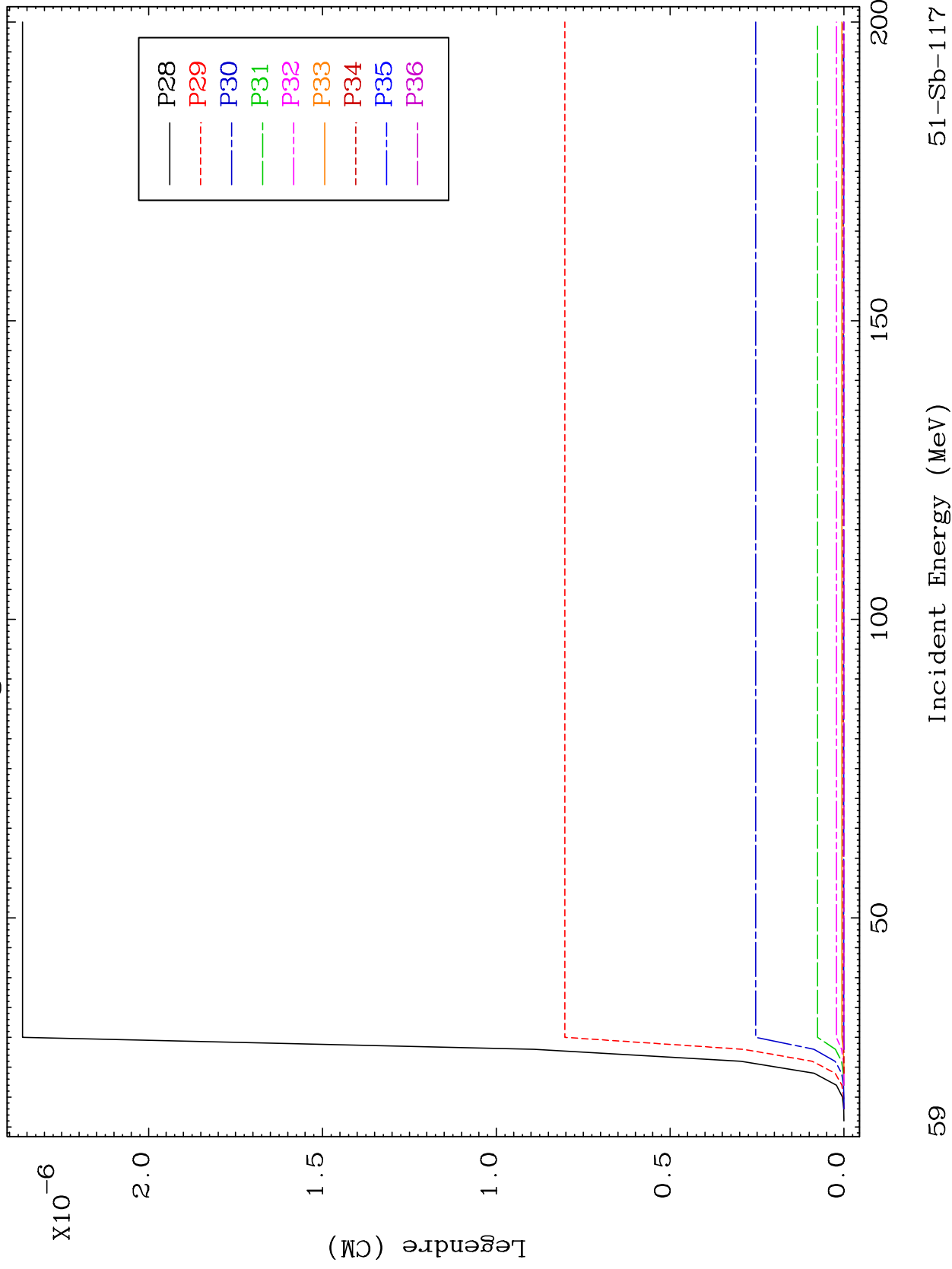
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



59

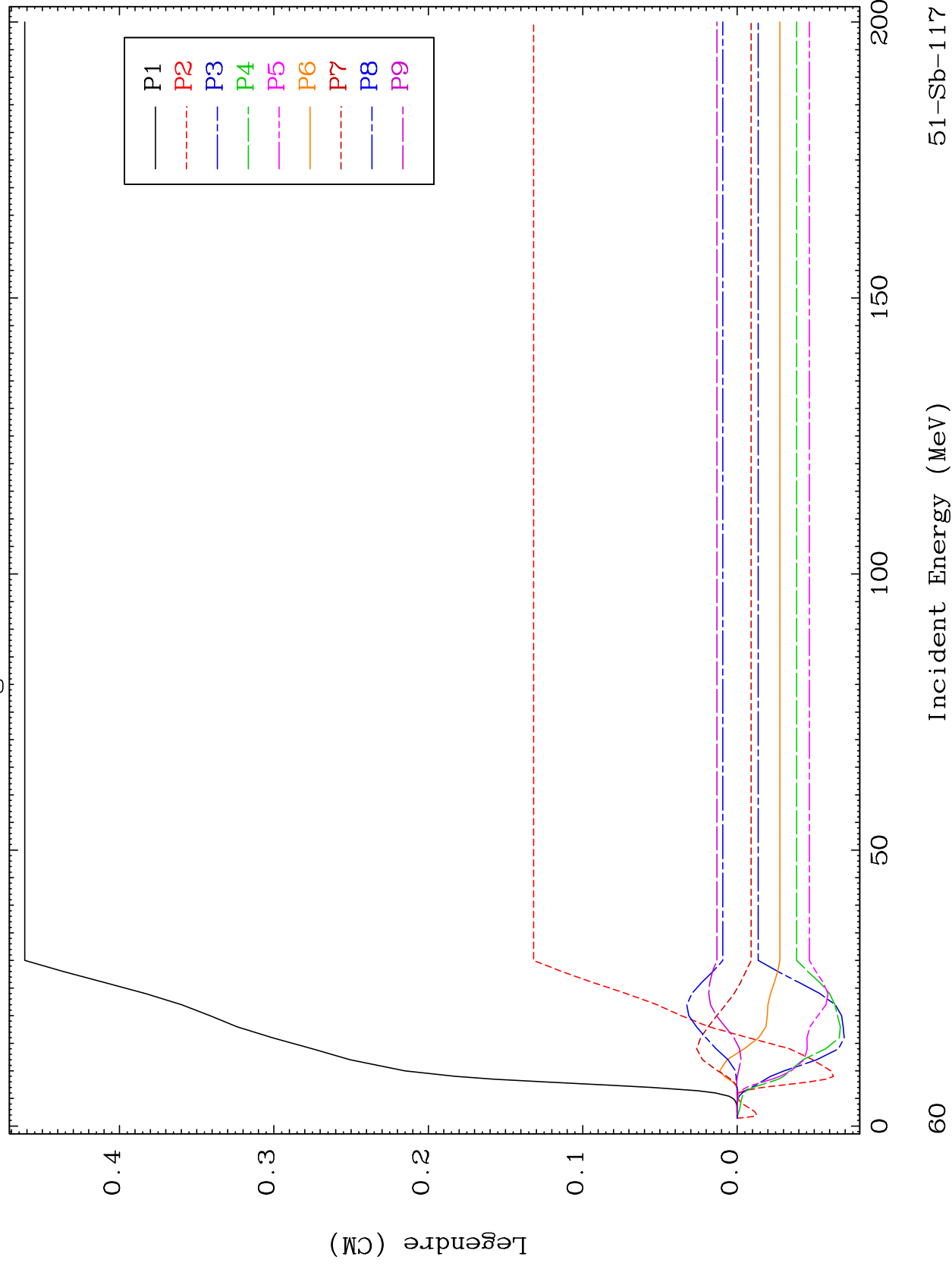
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



51-Sb-117

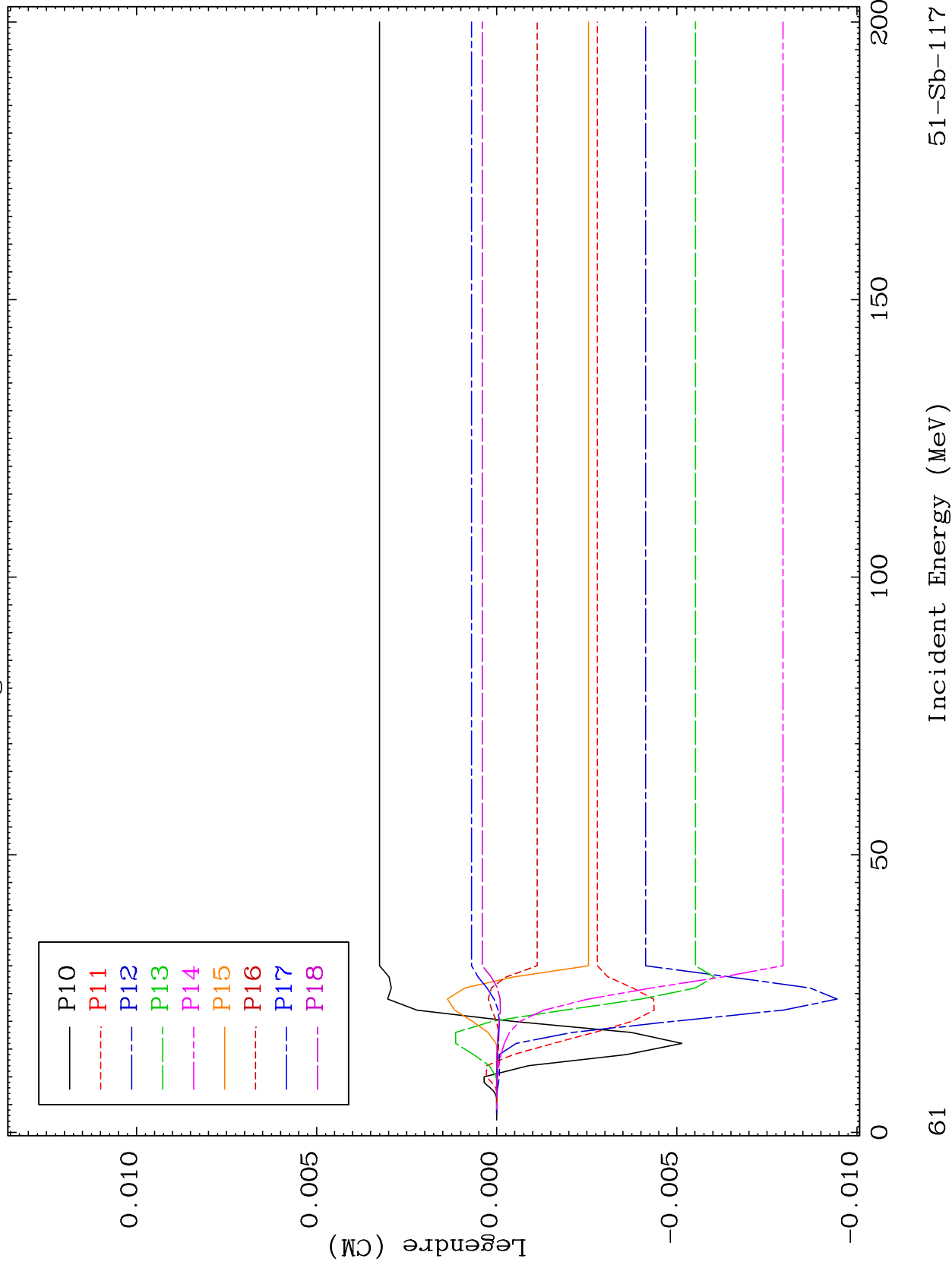
Incident Energy (MeV)

60

MAT 5113

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

51-Sb-117



61

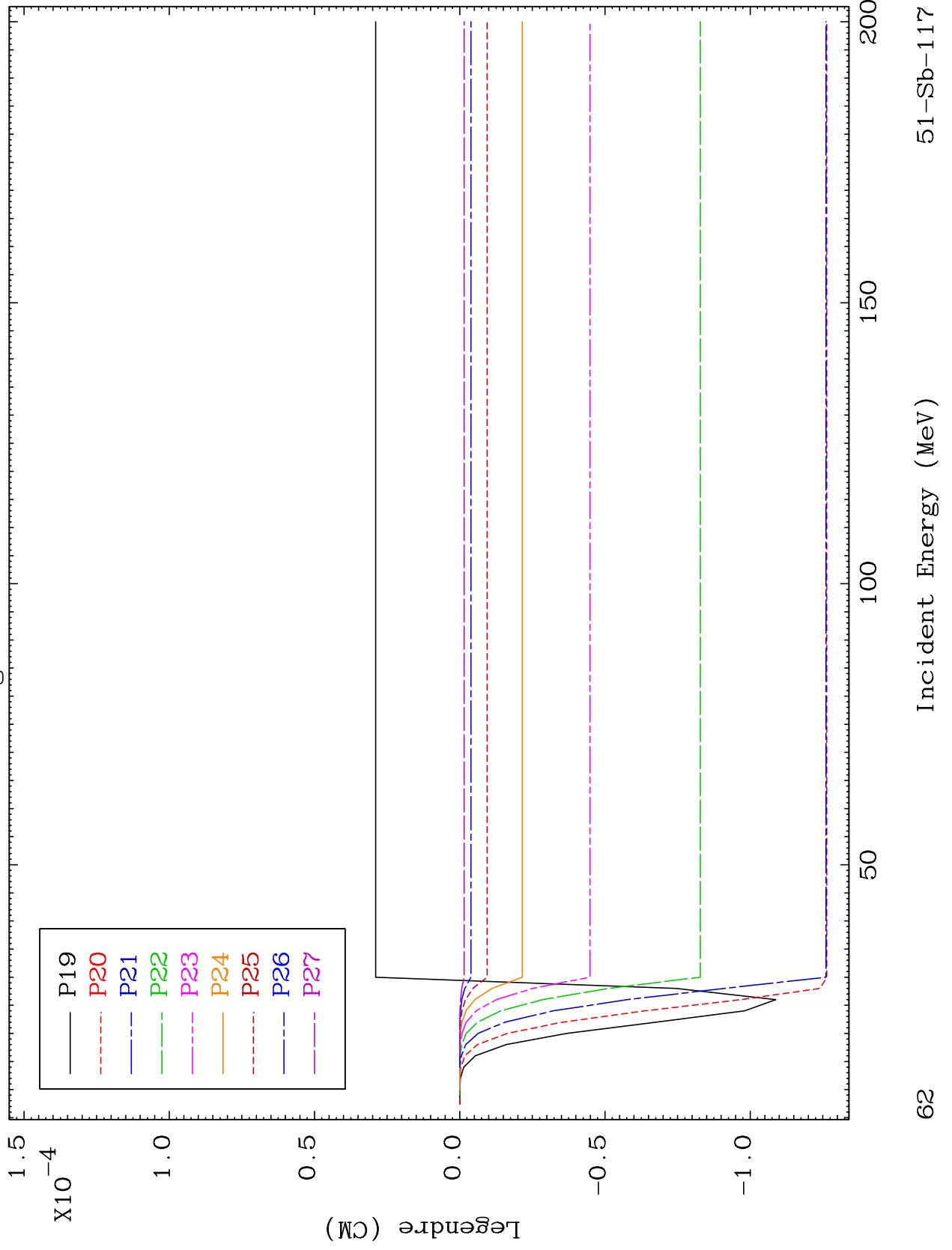
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



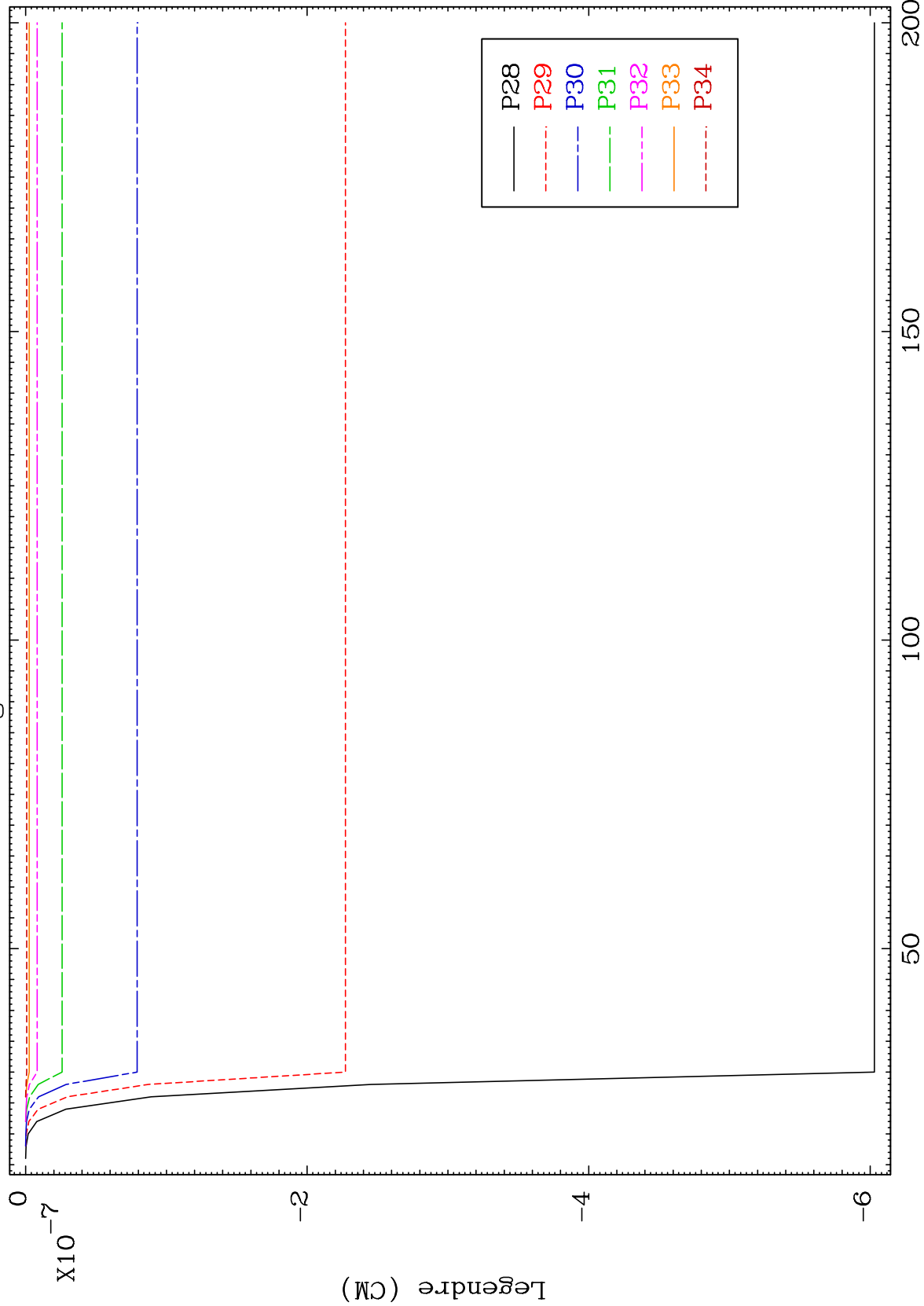
62

MAT 5113

MT= 61 (n,n') Level

51-Sb-117

Legendre Coefficients



63

Incident Energy (MeV)

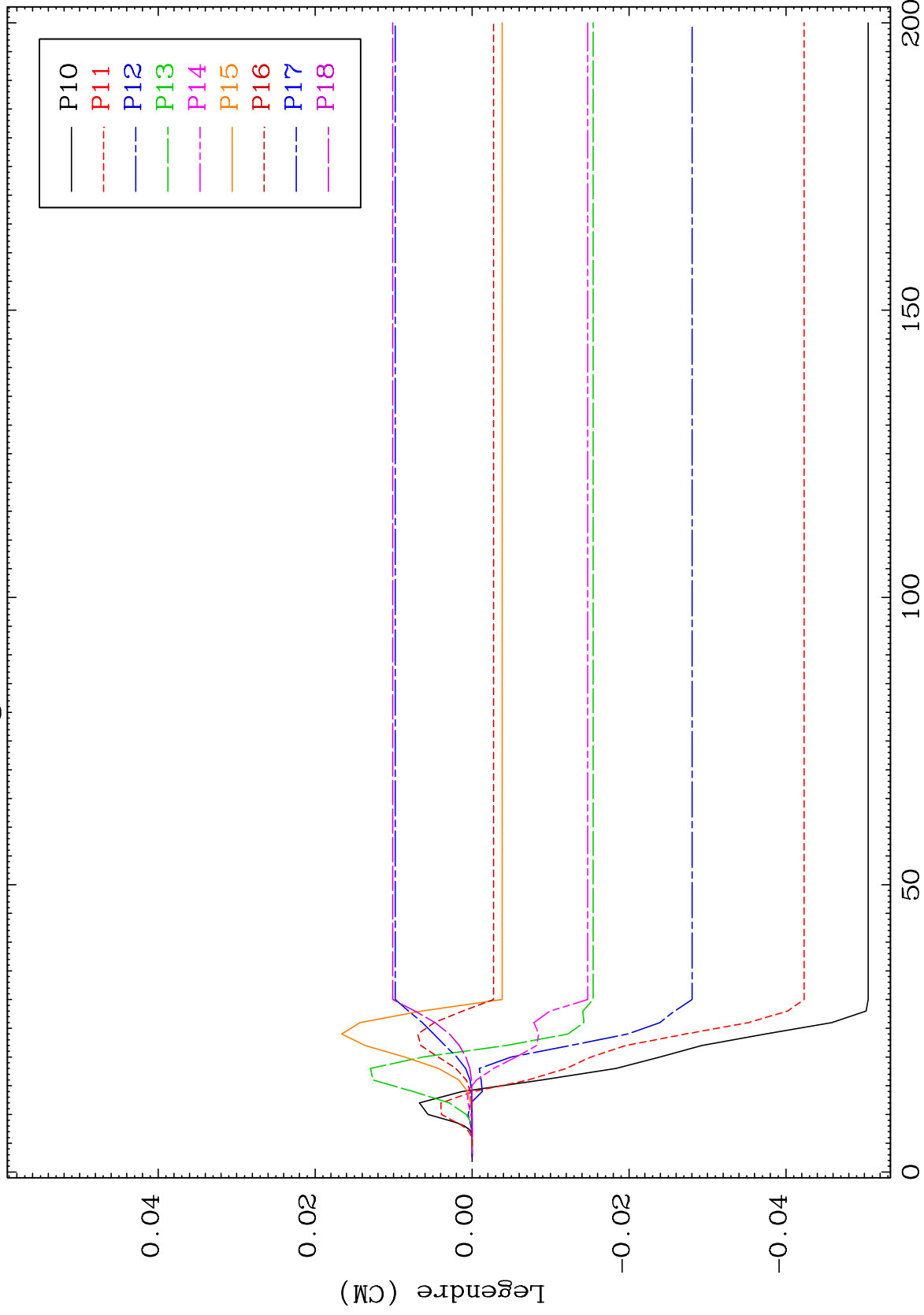
51-Sb-117



MAT 5113

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

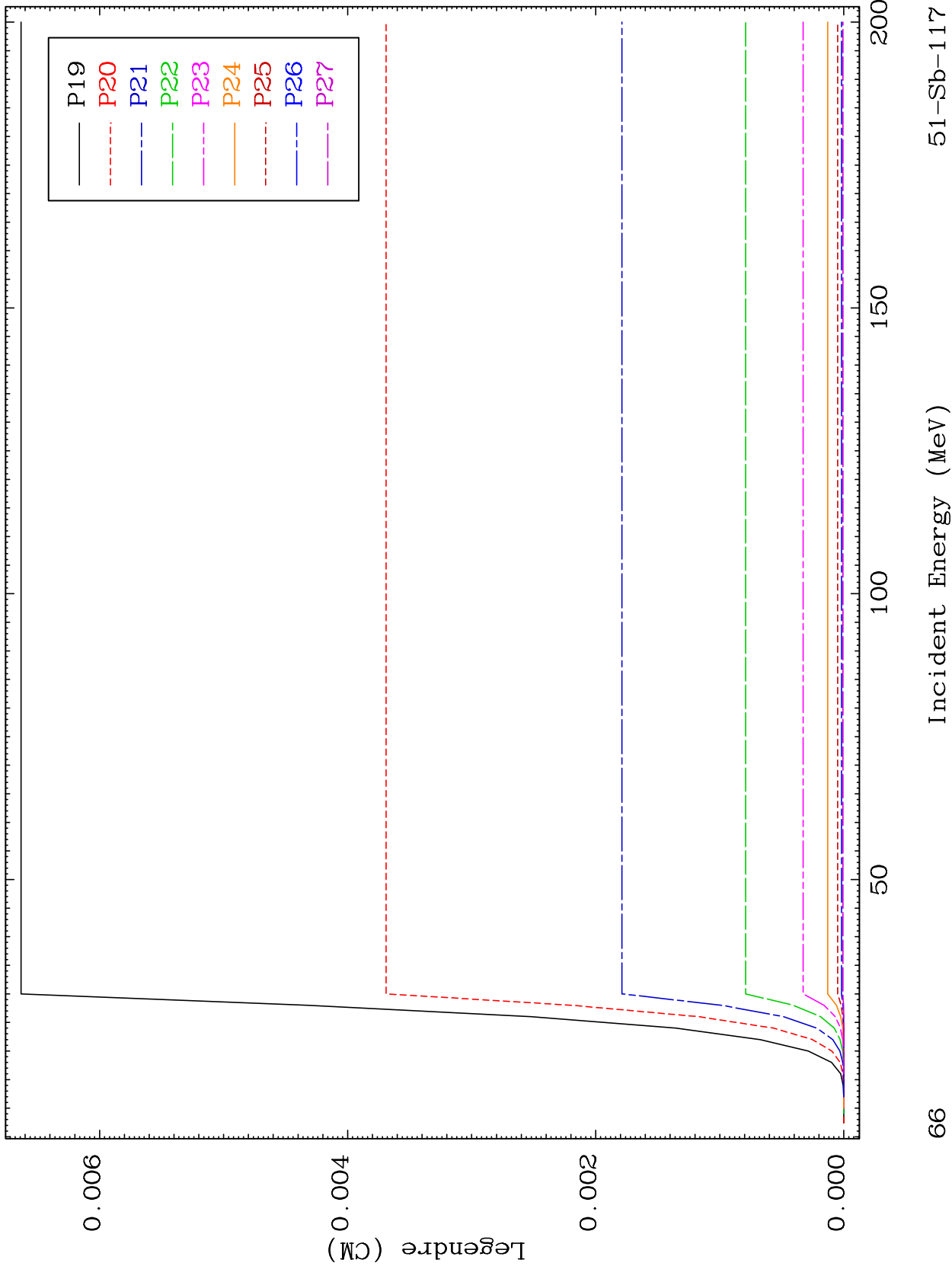
51-Sb-117



65

Incident Energy (MeV)

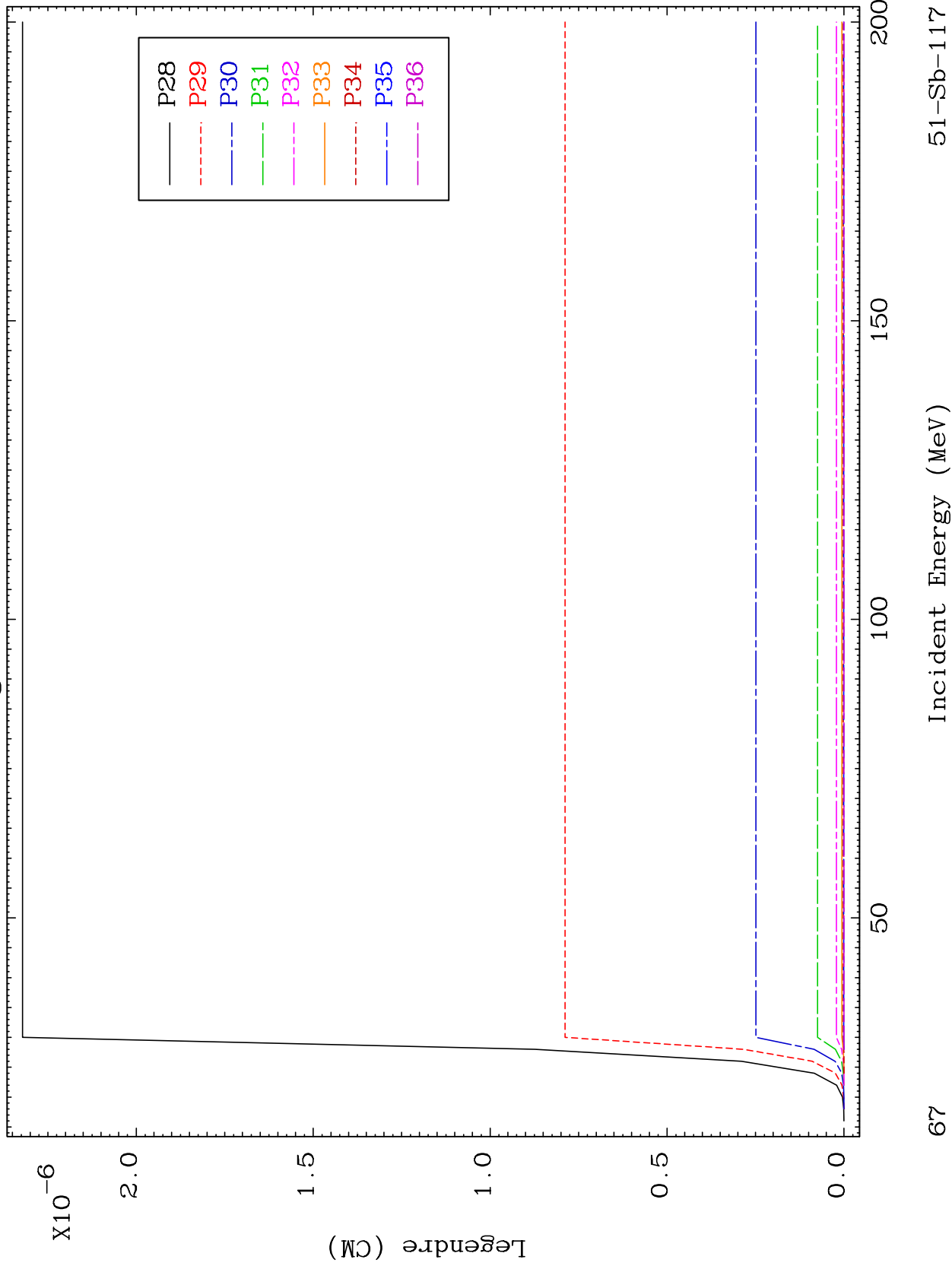
51-Sb-117

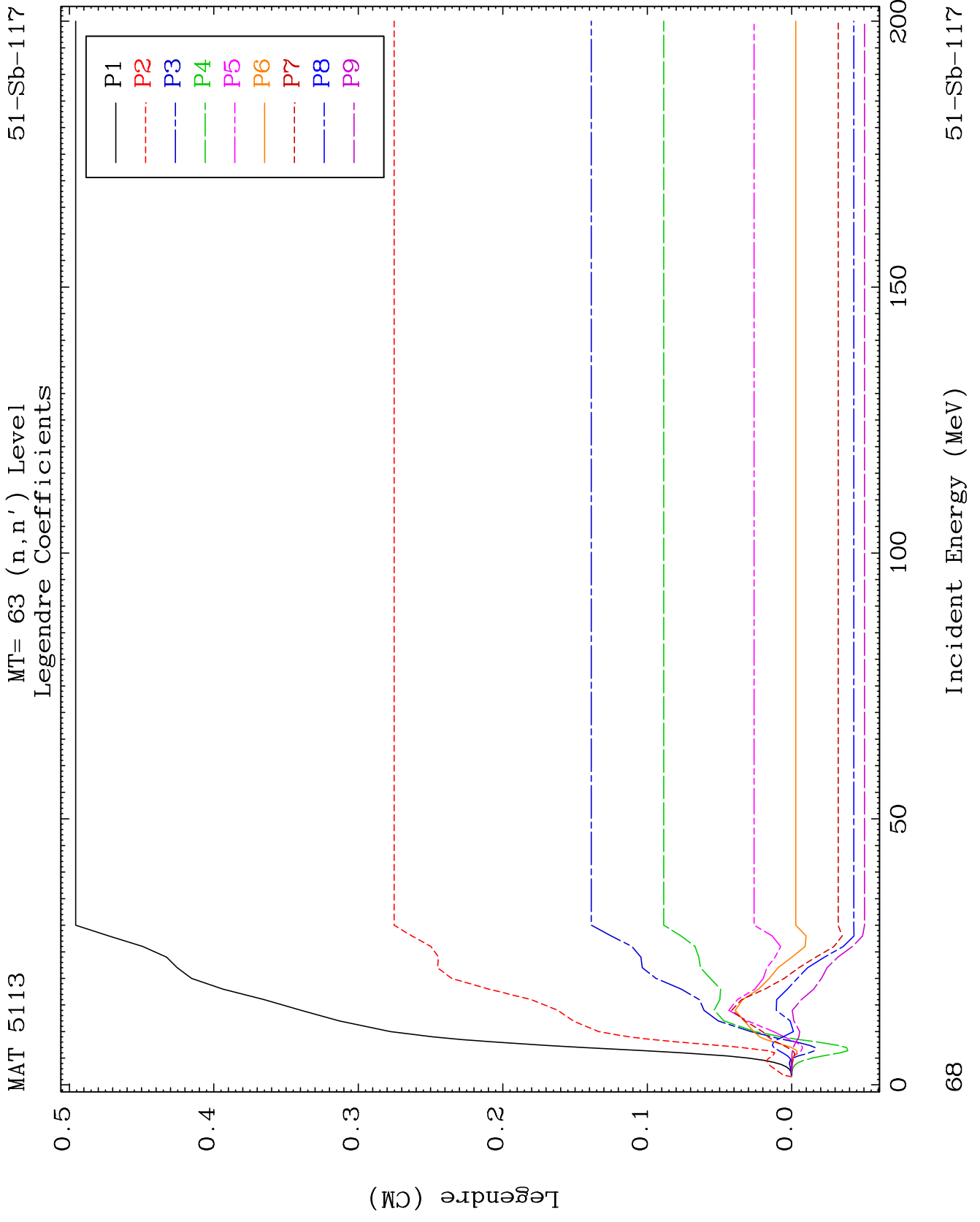


MAT 5113

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

51-Sb-117

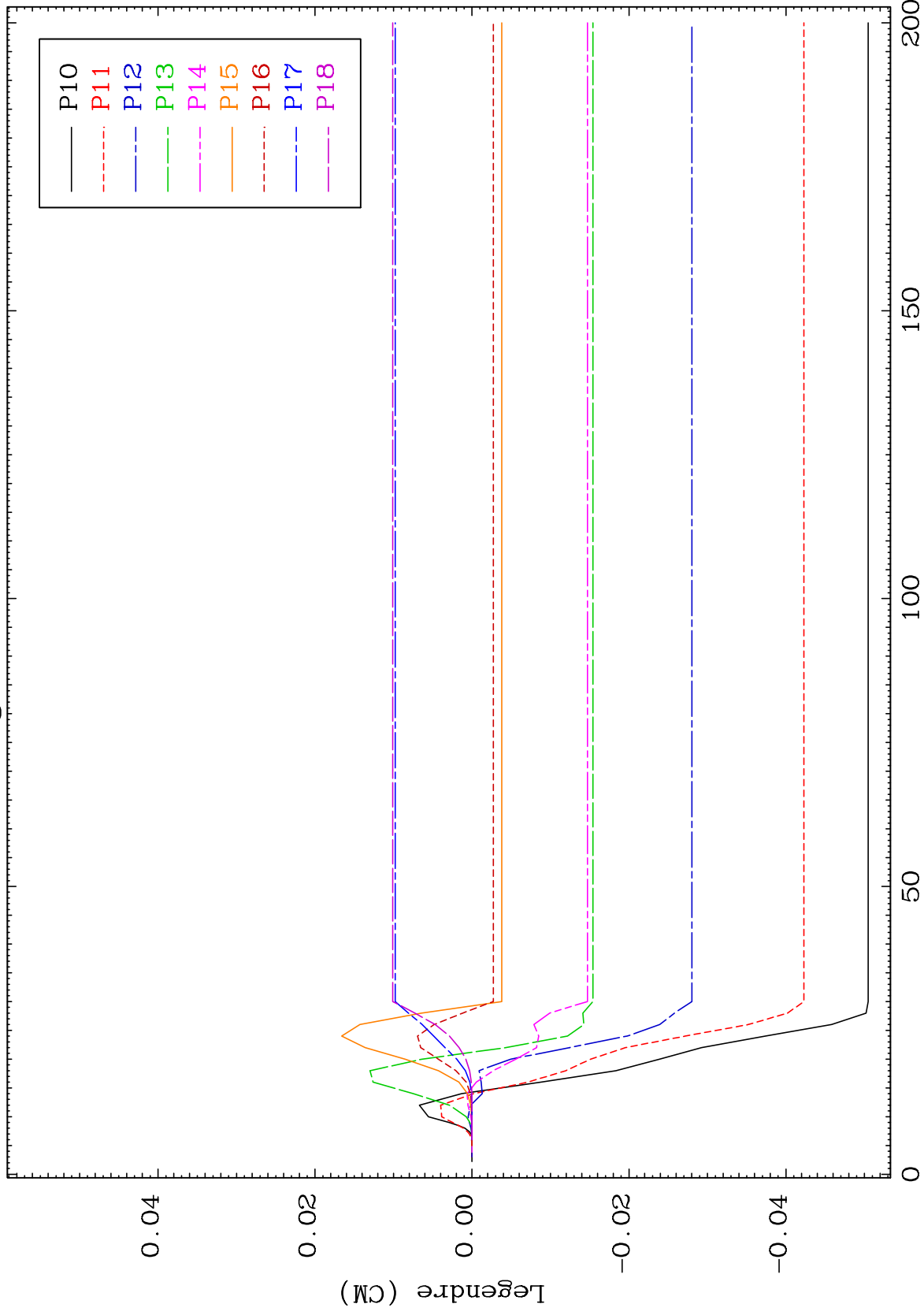




MAT 5113

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

51-Sb-117



69

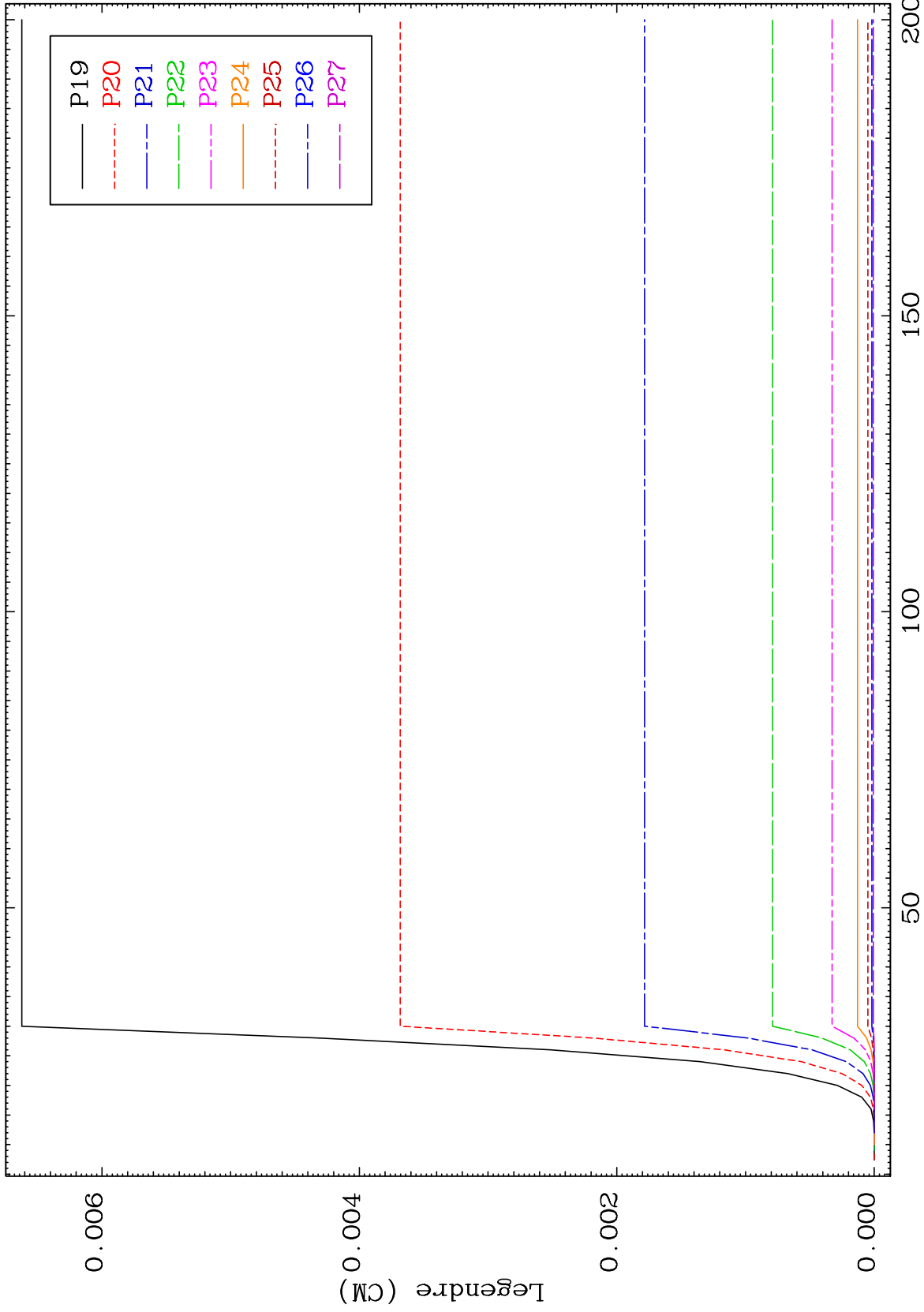
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



70

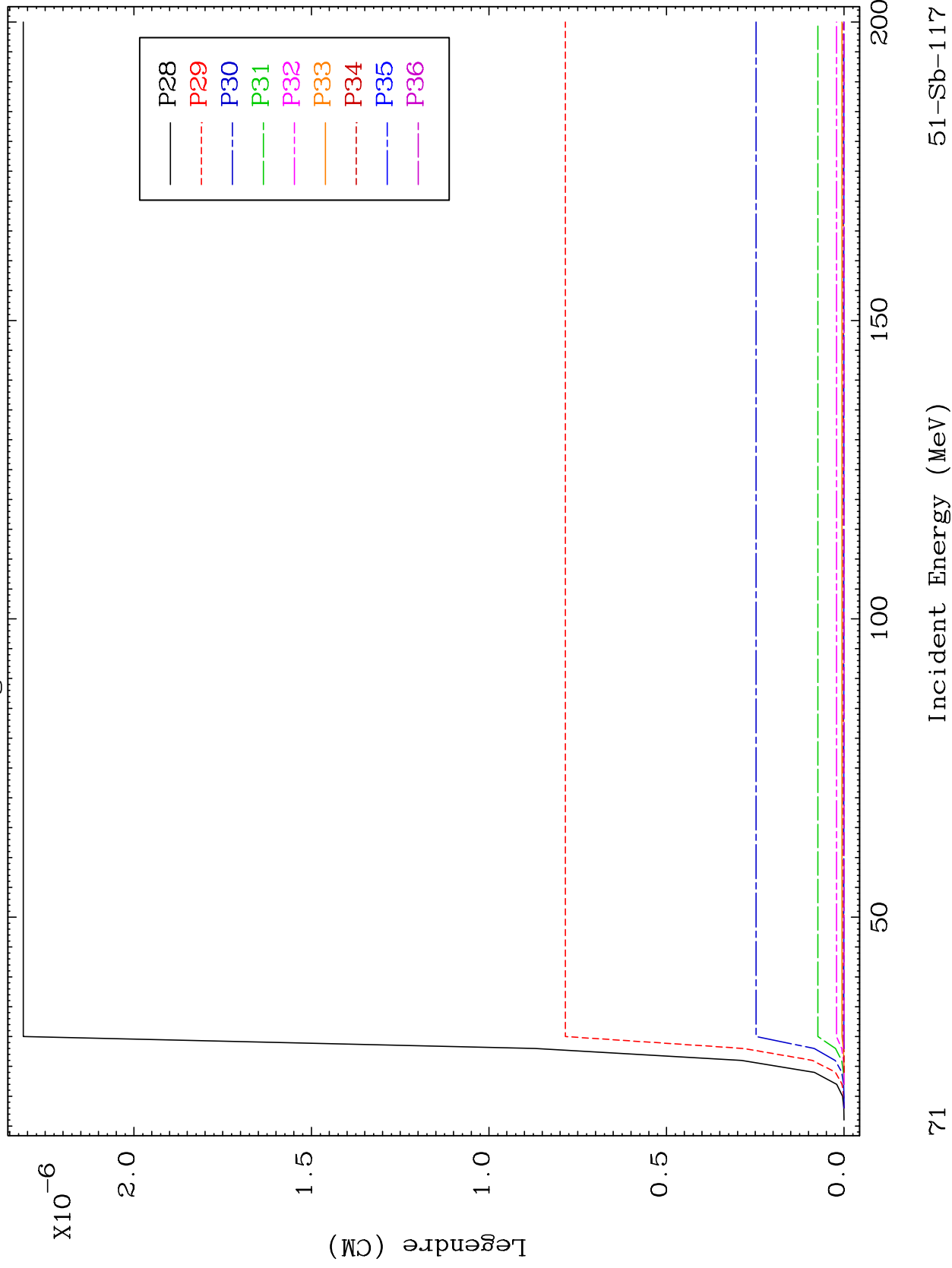
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

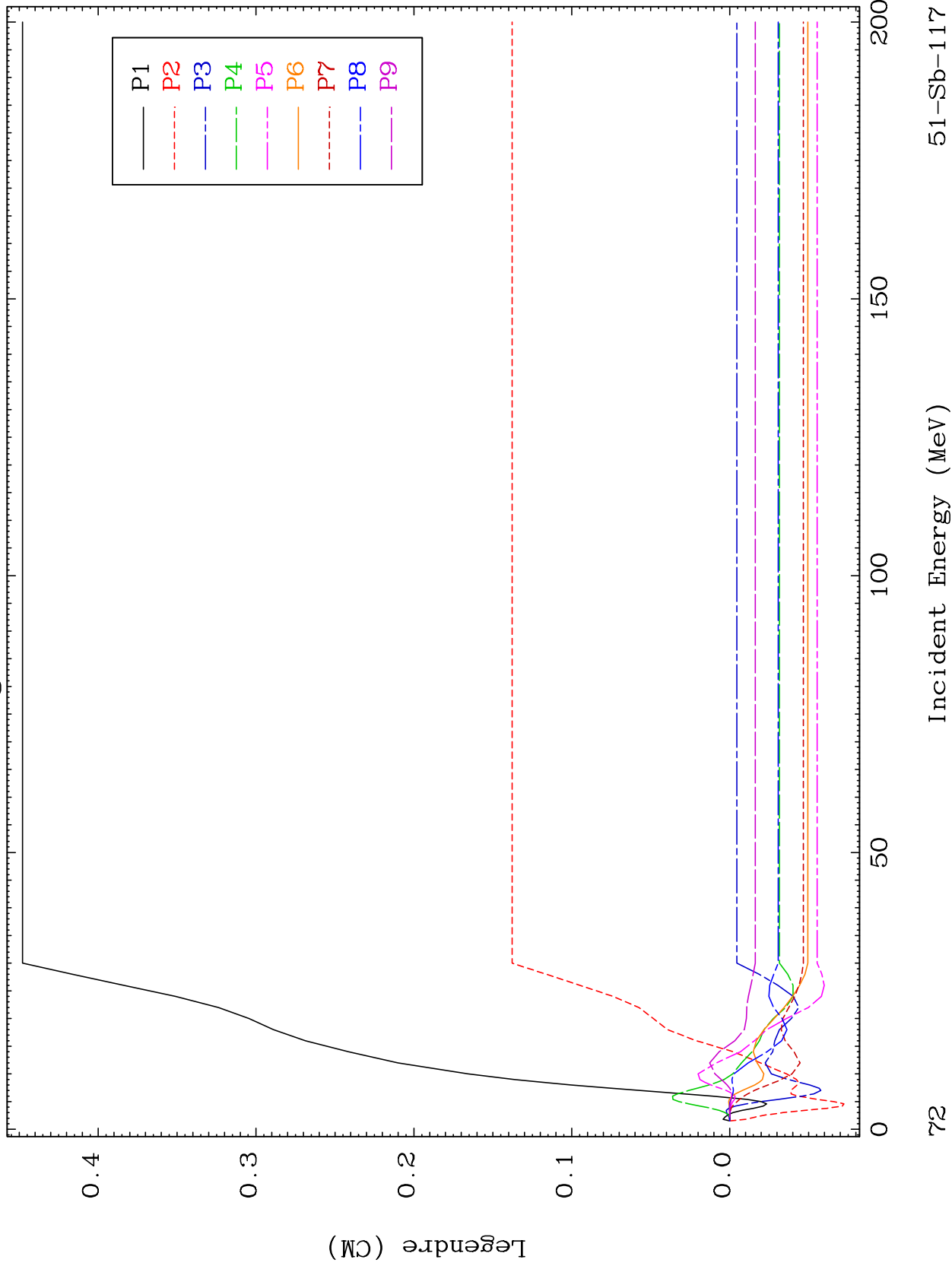
51-Sb-117



MAT 5113

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

51-Sb-117



51-Sb-117

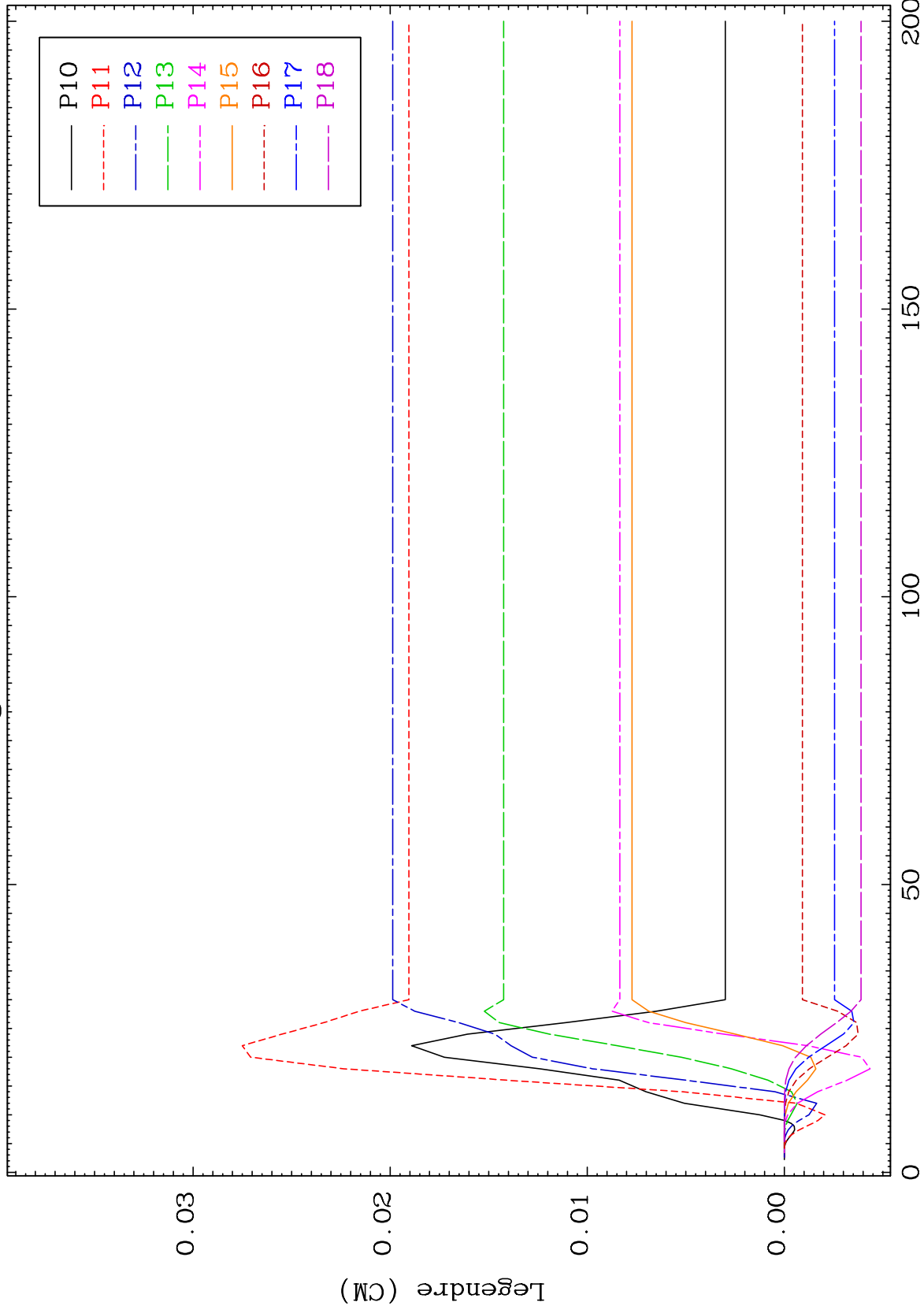
Incident Energy (MeV)

72

MAT 5113

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

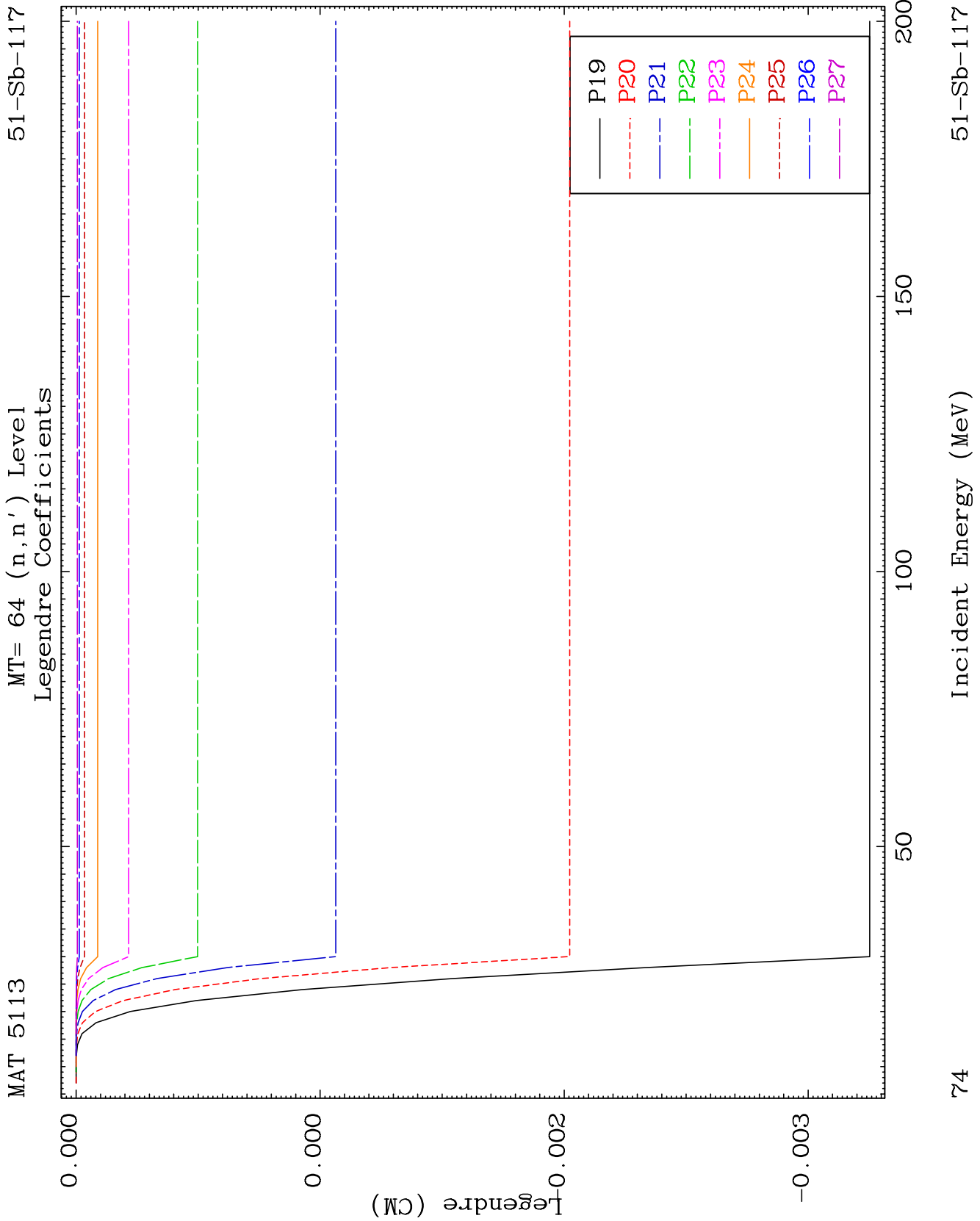
51-Sb-117



73

Incident Energy (MeV)

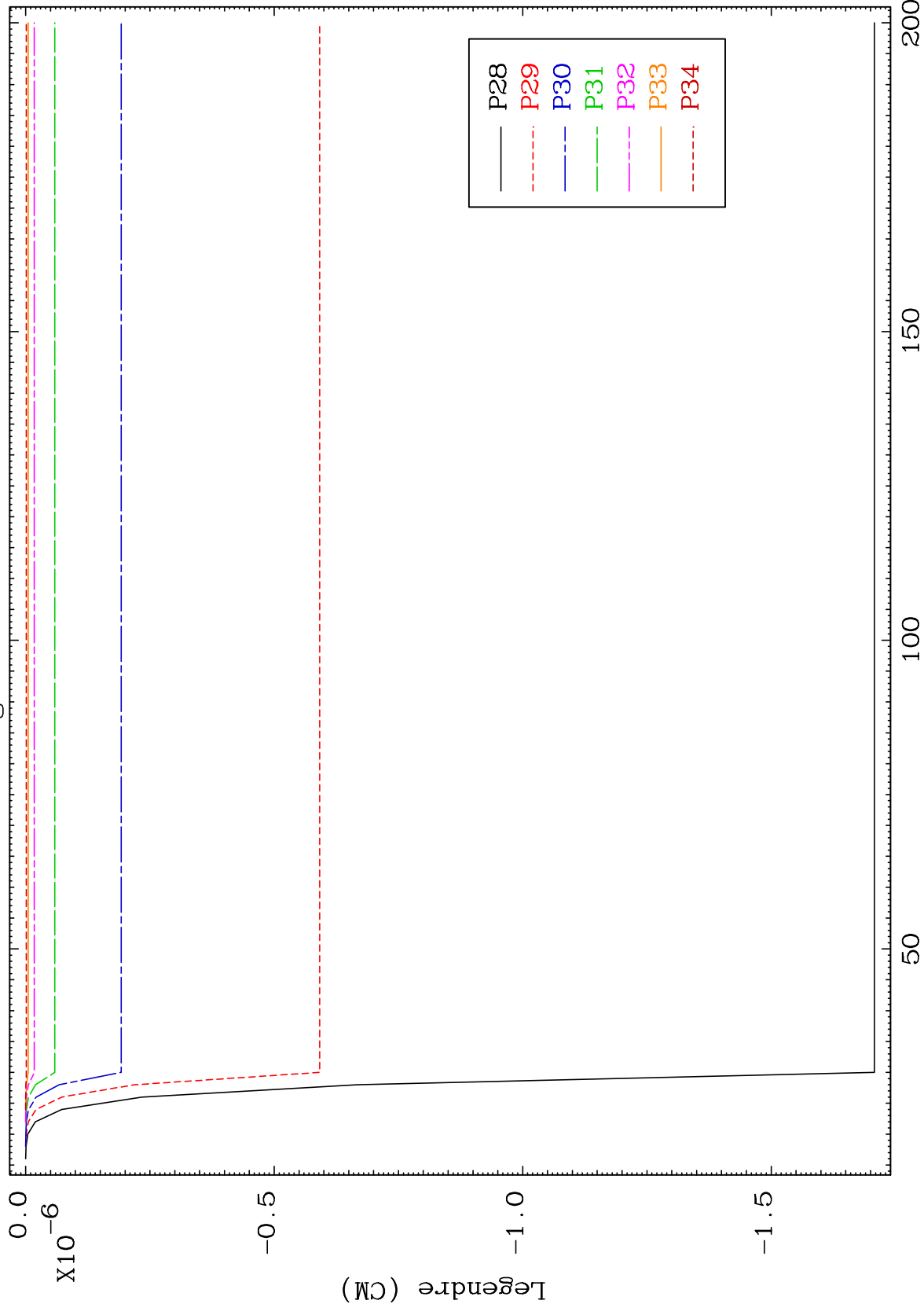
51-Sb-117



MAT 5113

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

51-Sb-117



75

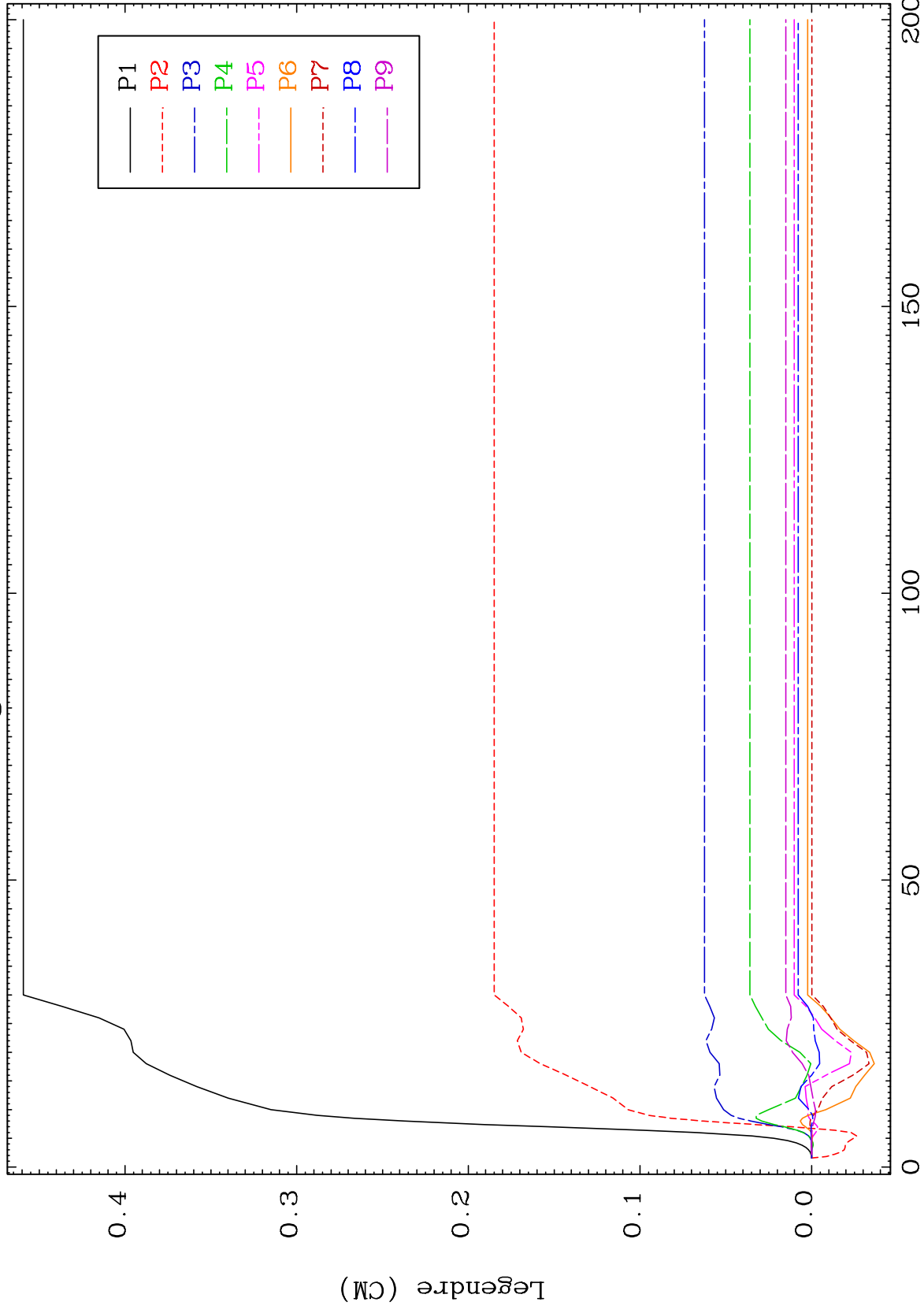
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

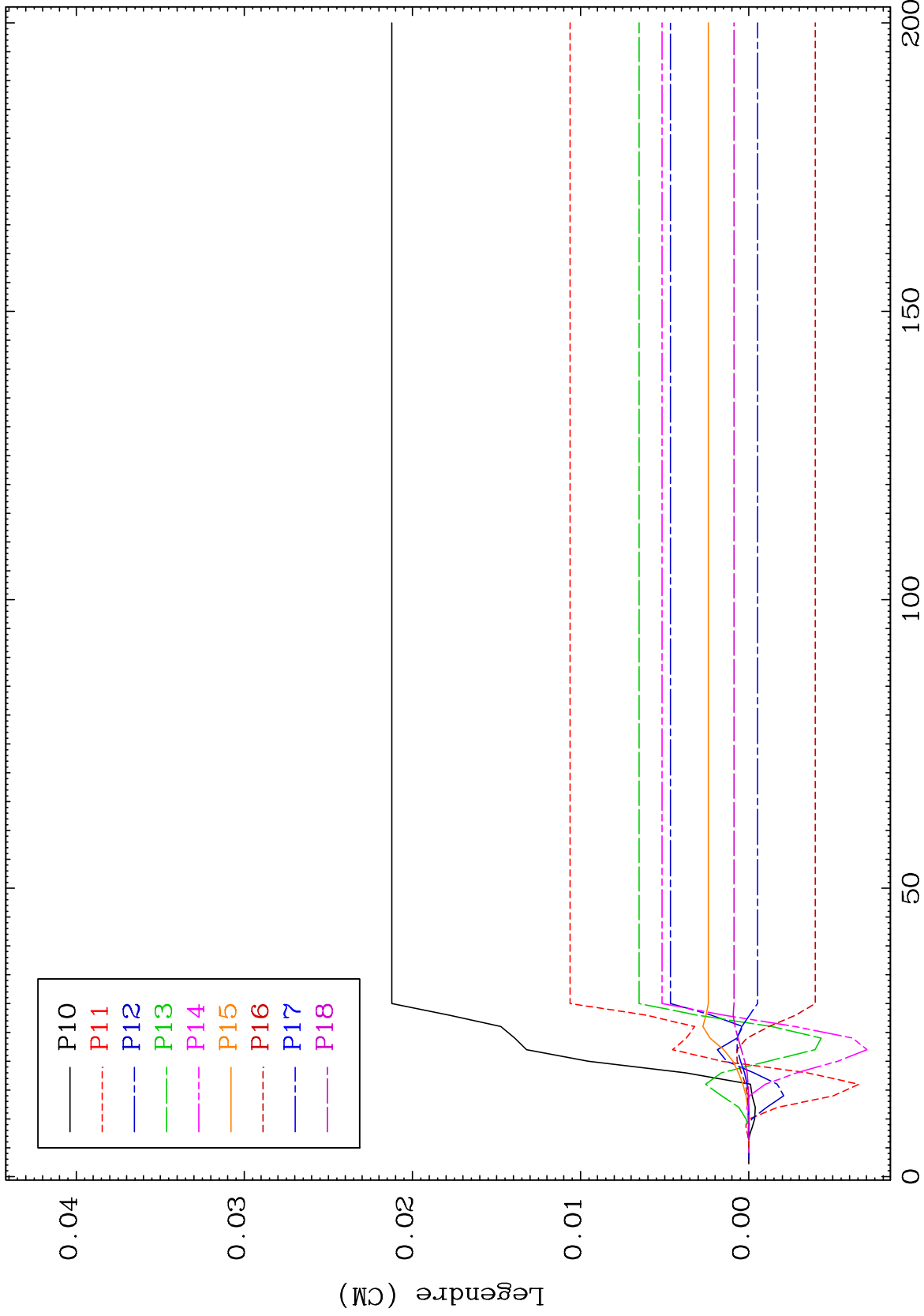
51-Sb-117



76

Incident Energy (MeV)

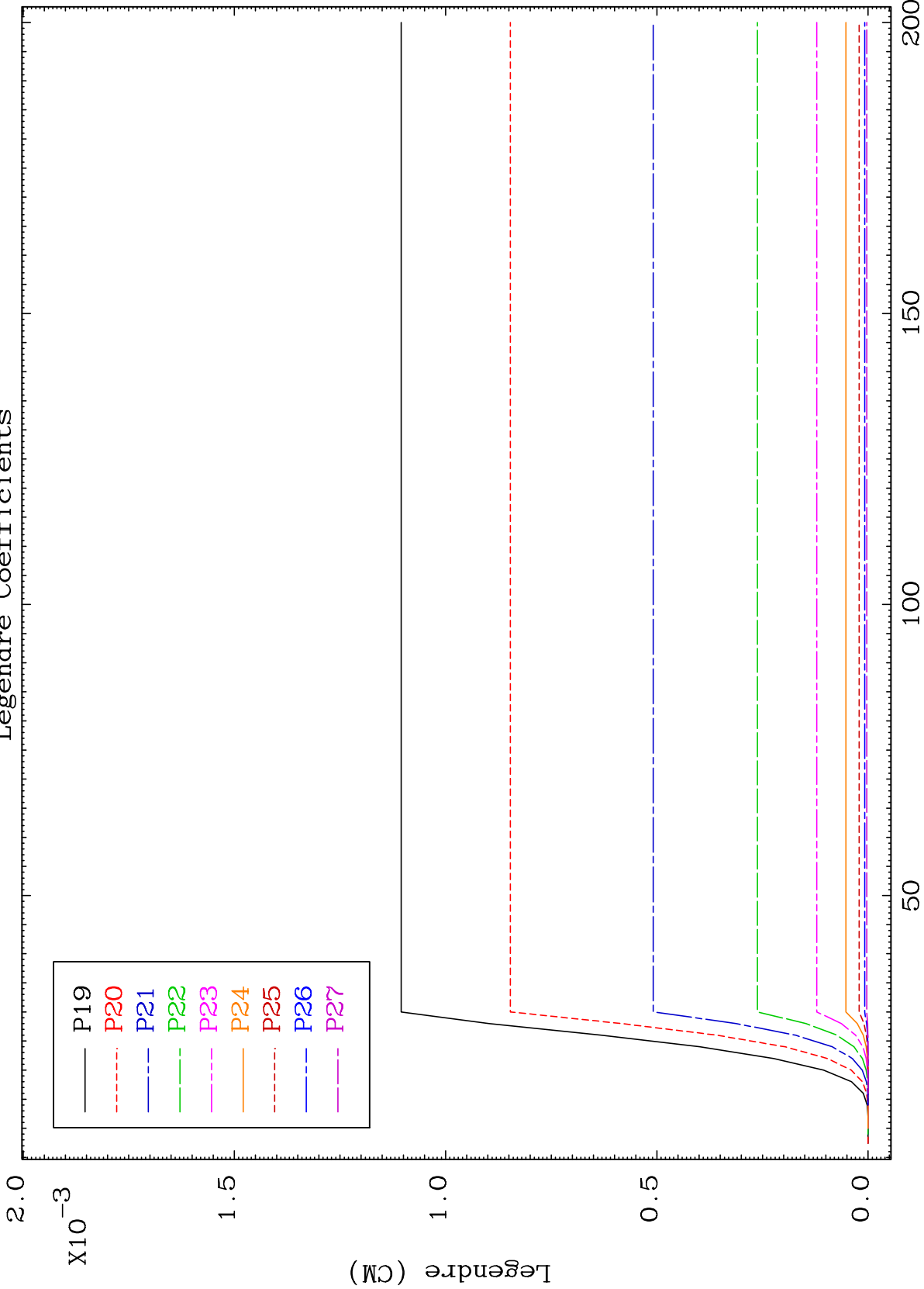
51-Sb-117



MAT 5113

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

51-Sb-117



78

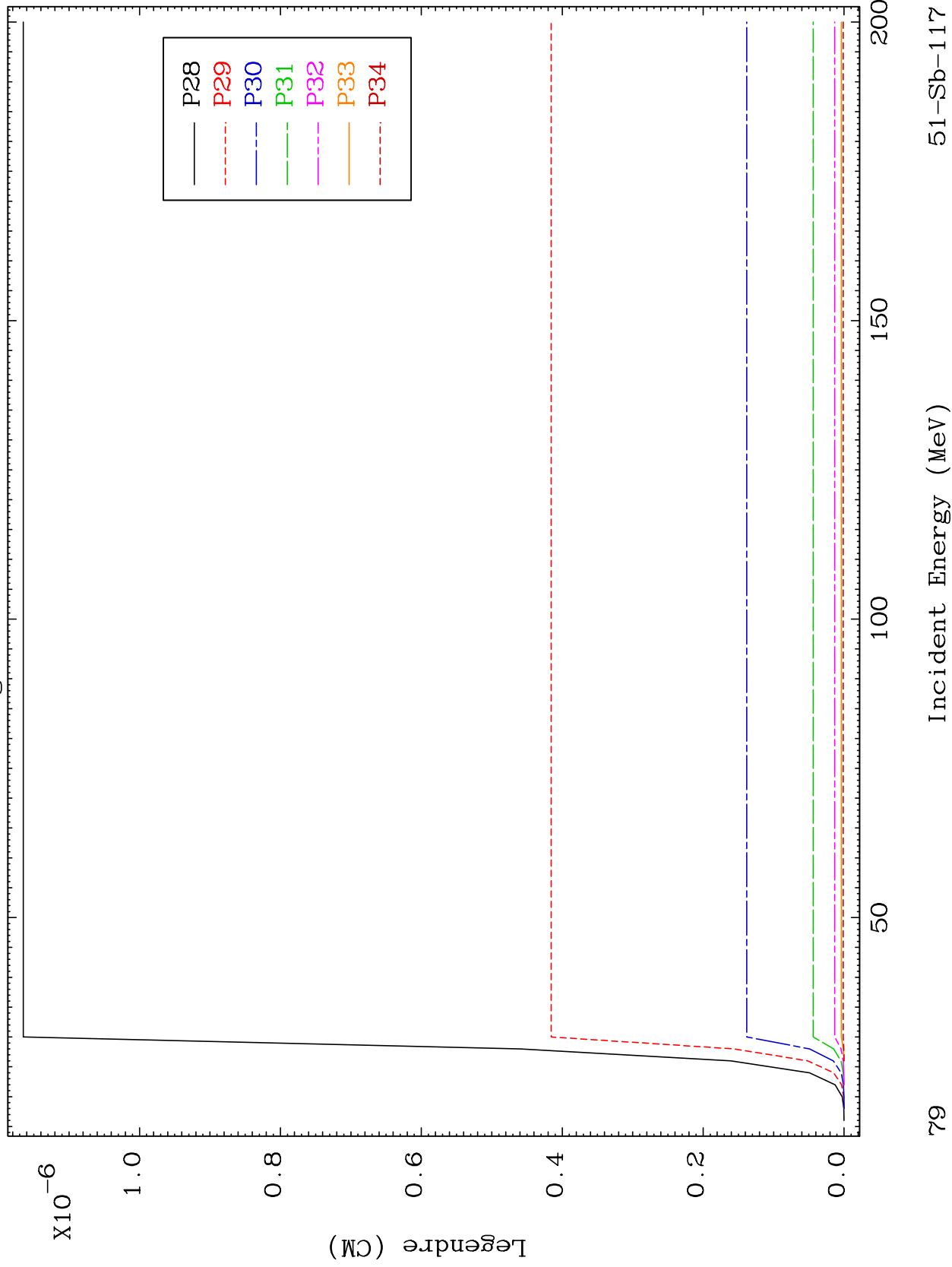
Incident Energy (MeV)

51-Sb-117

MAT 5113

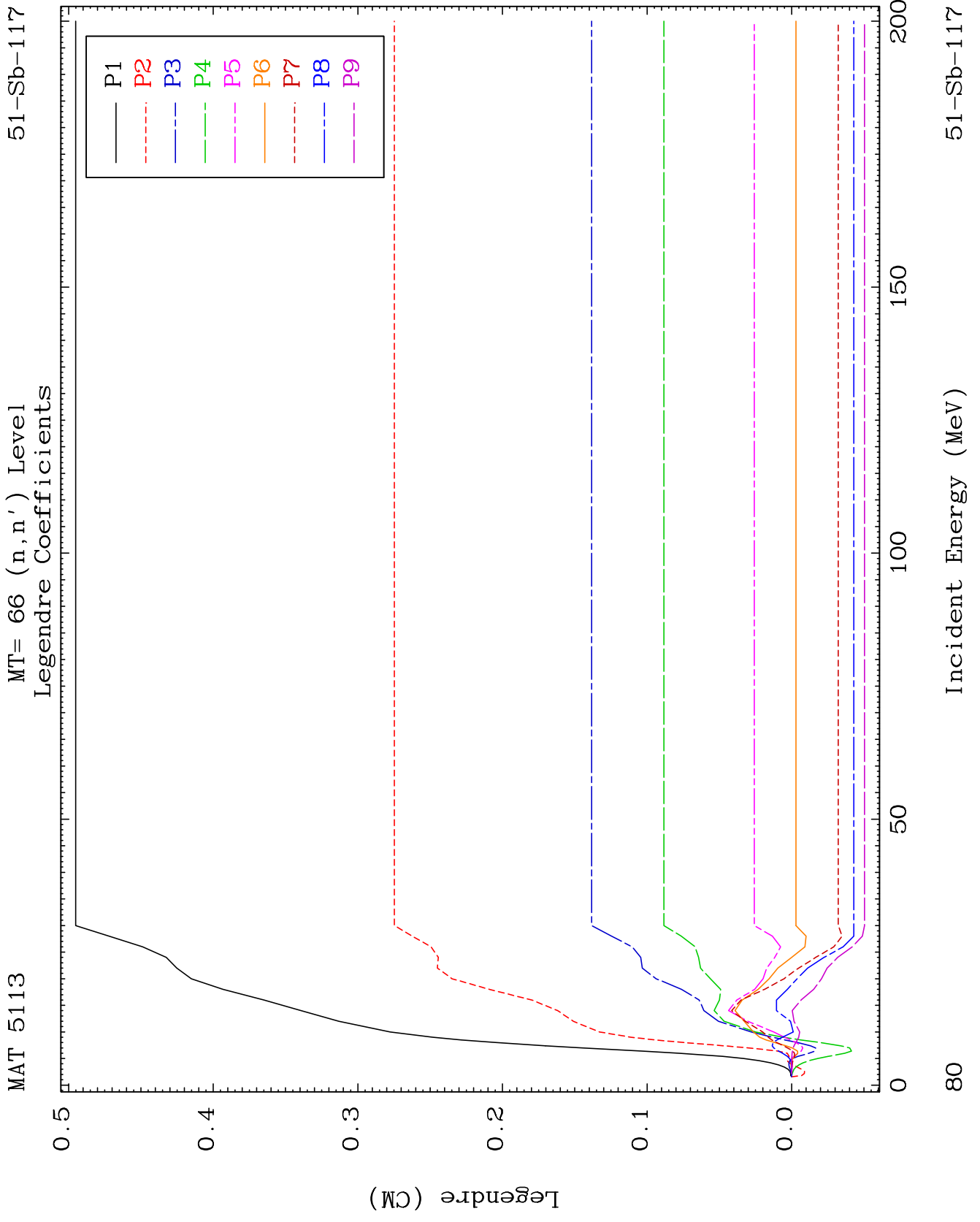
MT= 65 (n,n') Level  
Legendre Coefficients

51-Sb-117



79

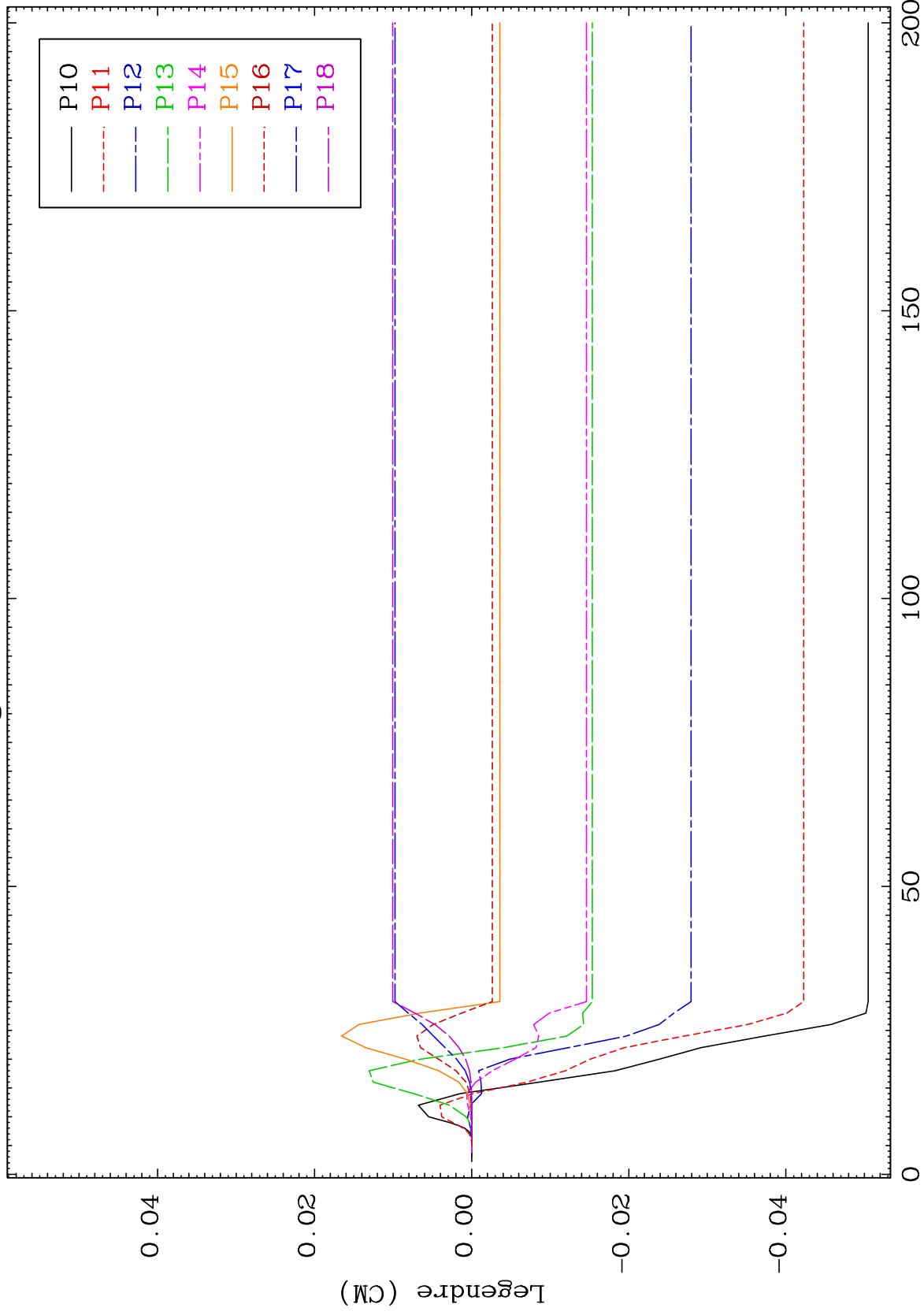
51-Sb-117



MAT 5113

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

51-Sb-117



81

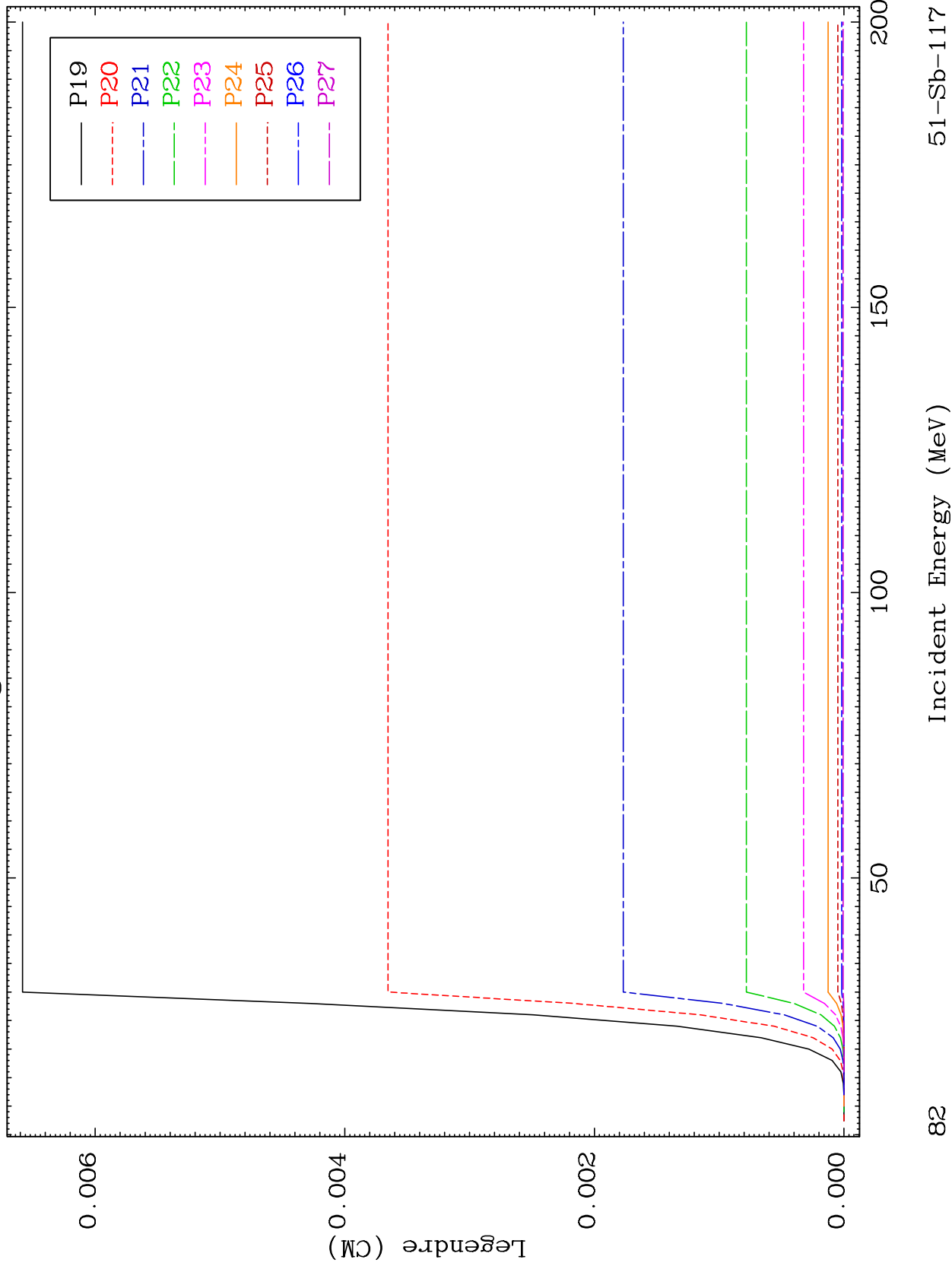
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



82

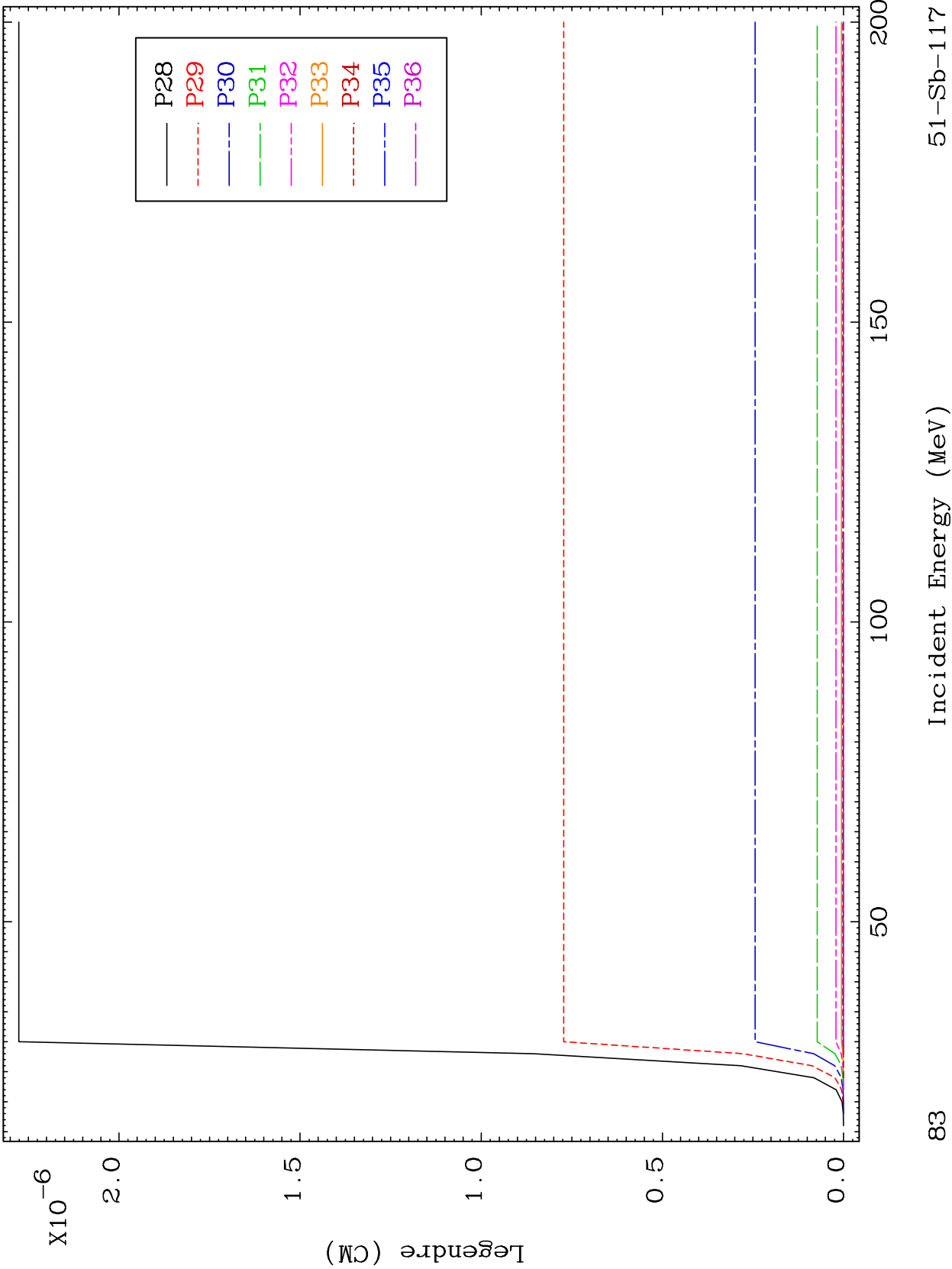
Incident Energy (MeV)

51-Sb-117

MAT 5113

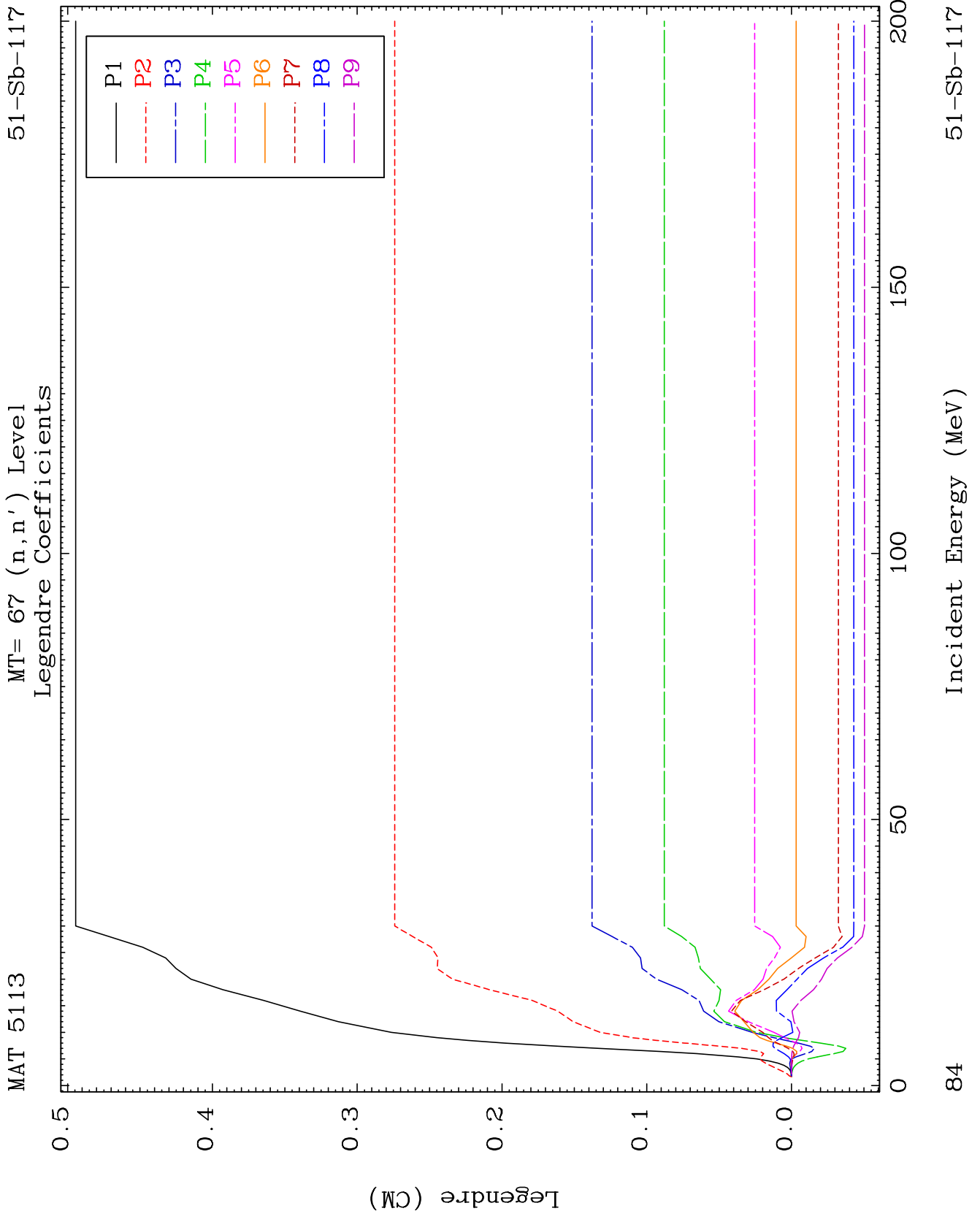
MT= 66 (n,n') Level  
Legendre Coefficients

51-Sb-117



83

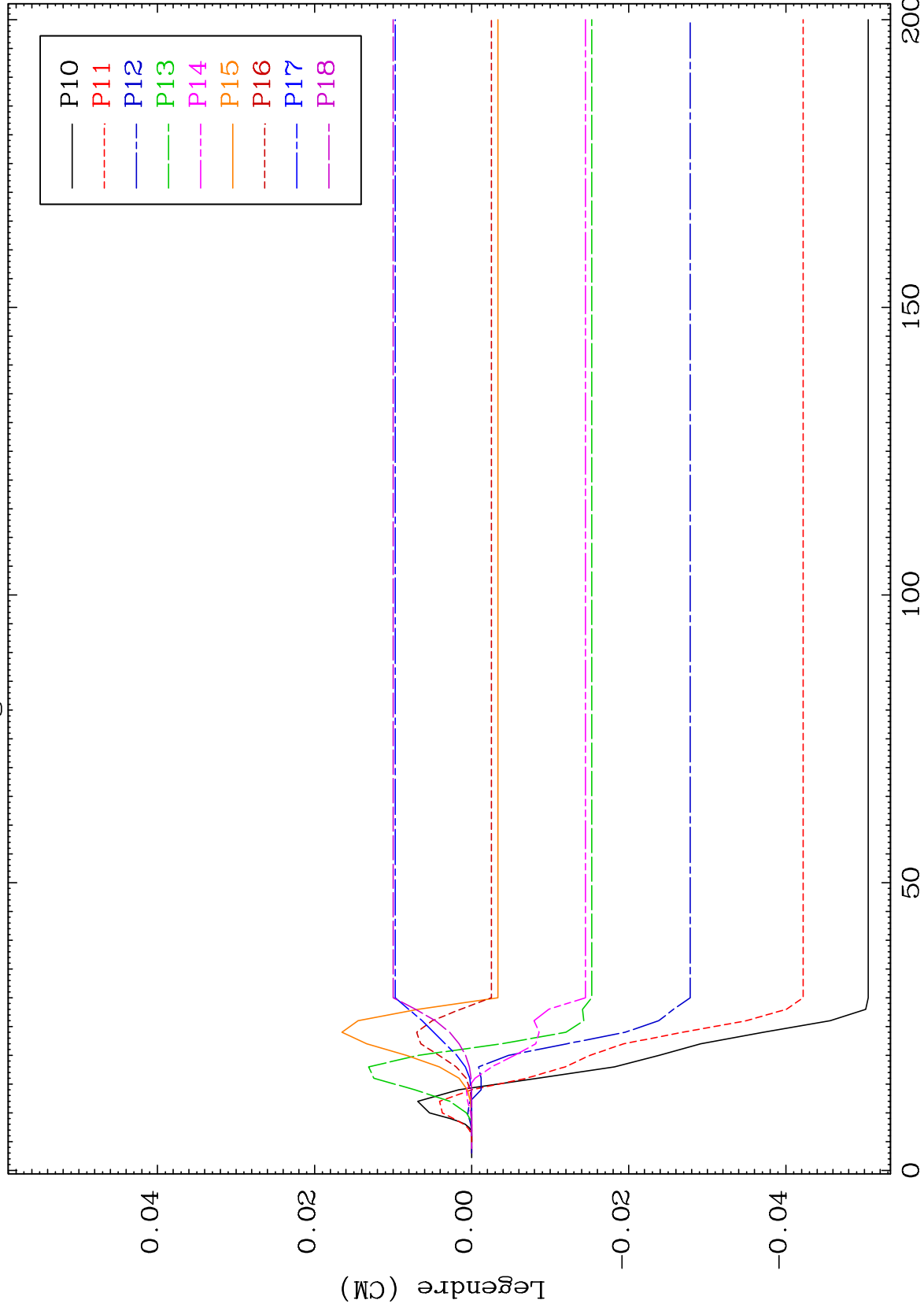
51-Sb-117



MAT 5113

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

51-Sb-117



85

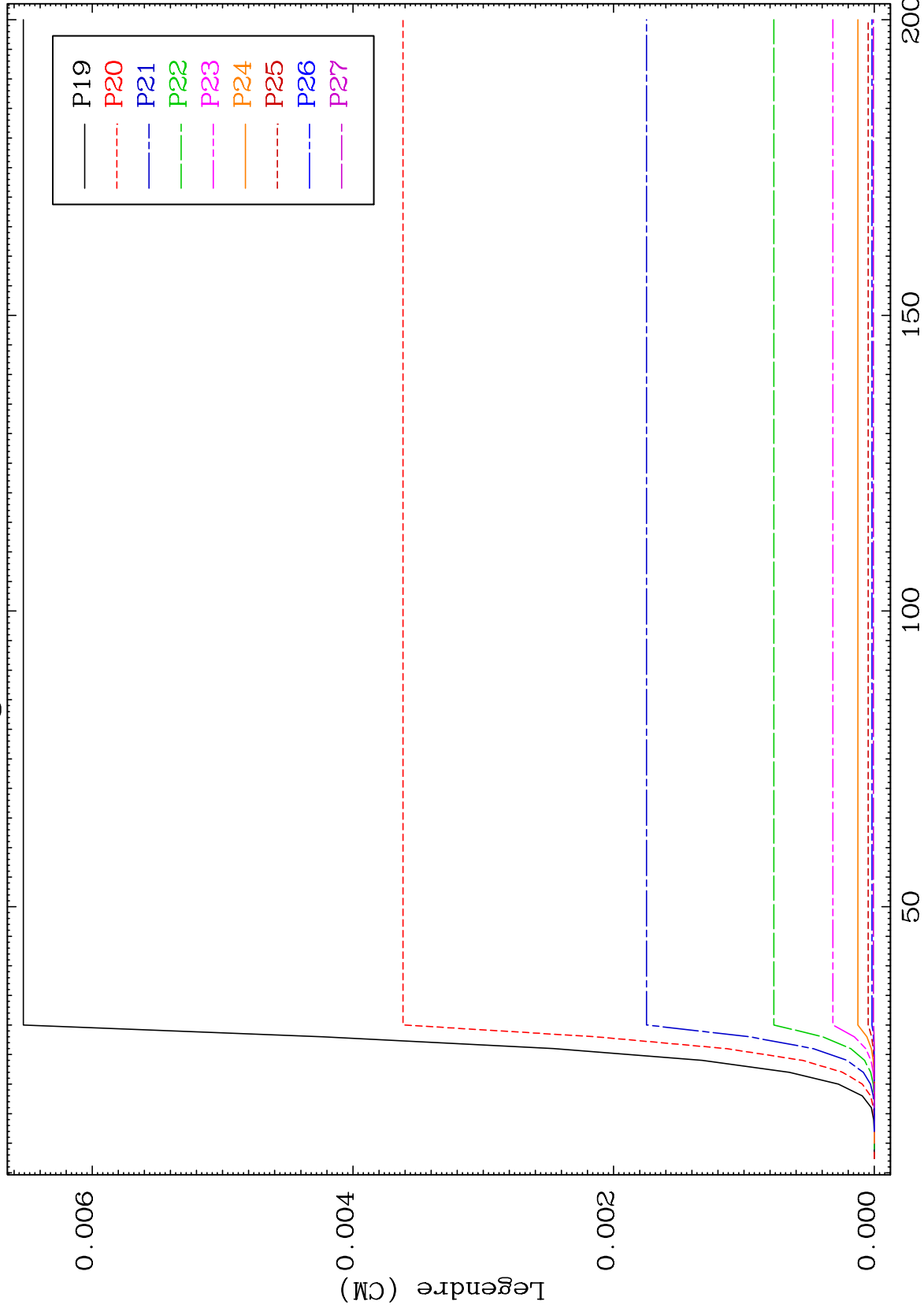
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



86

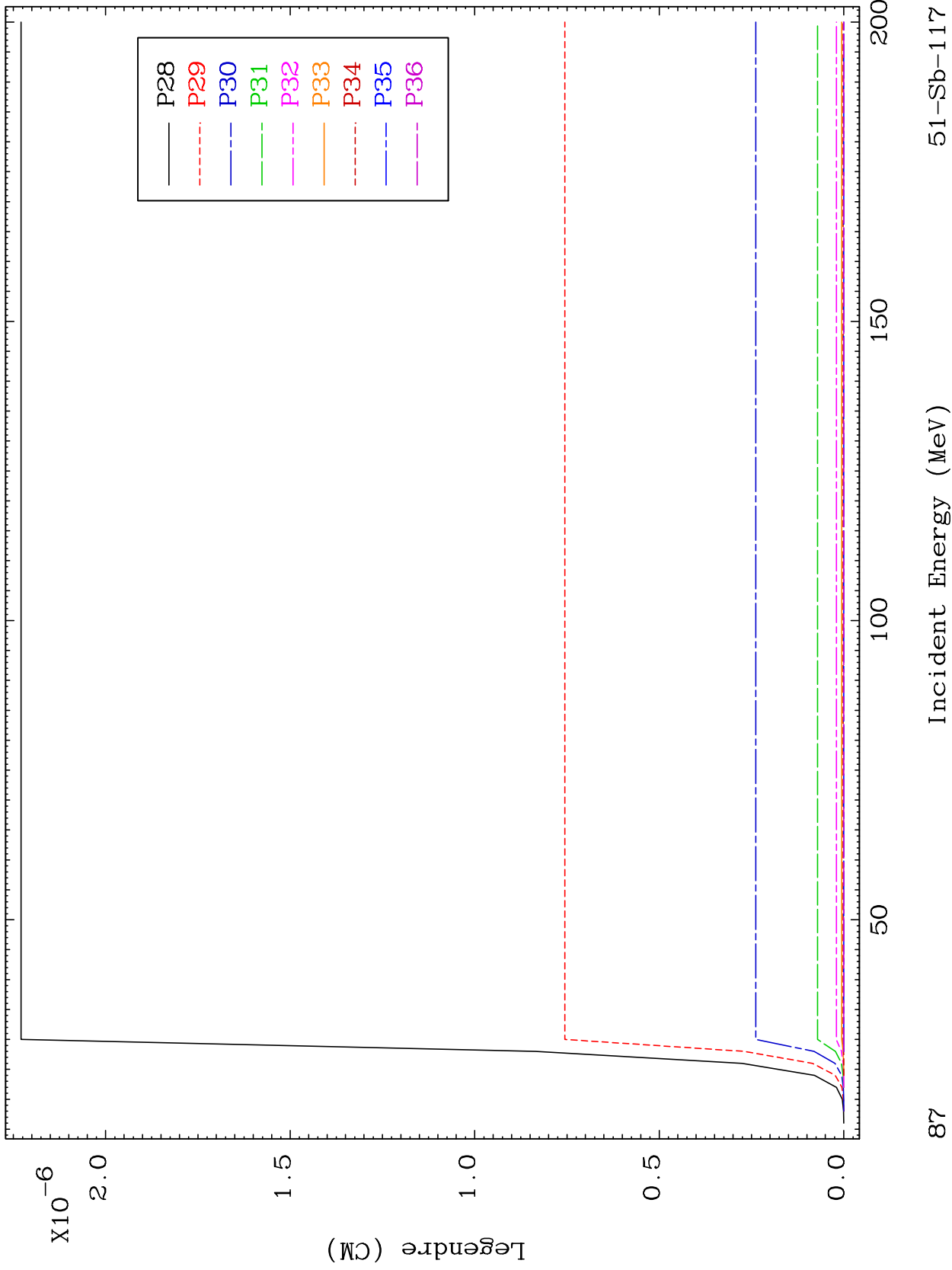
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

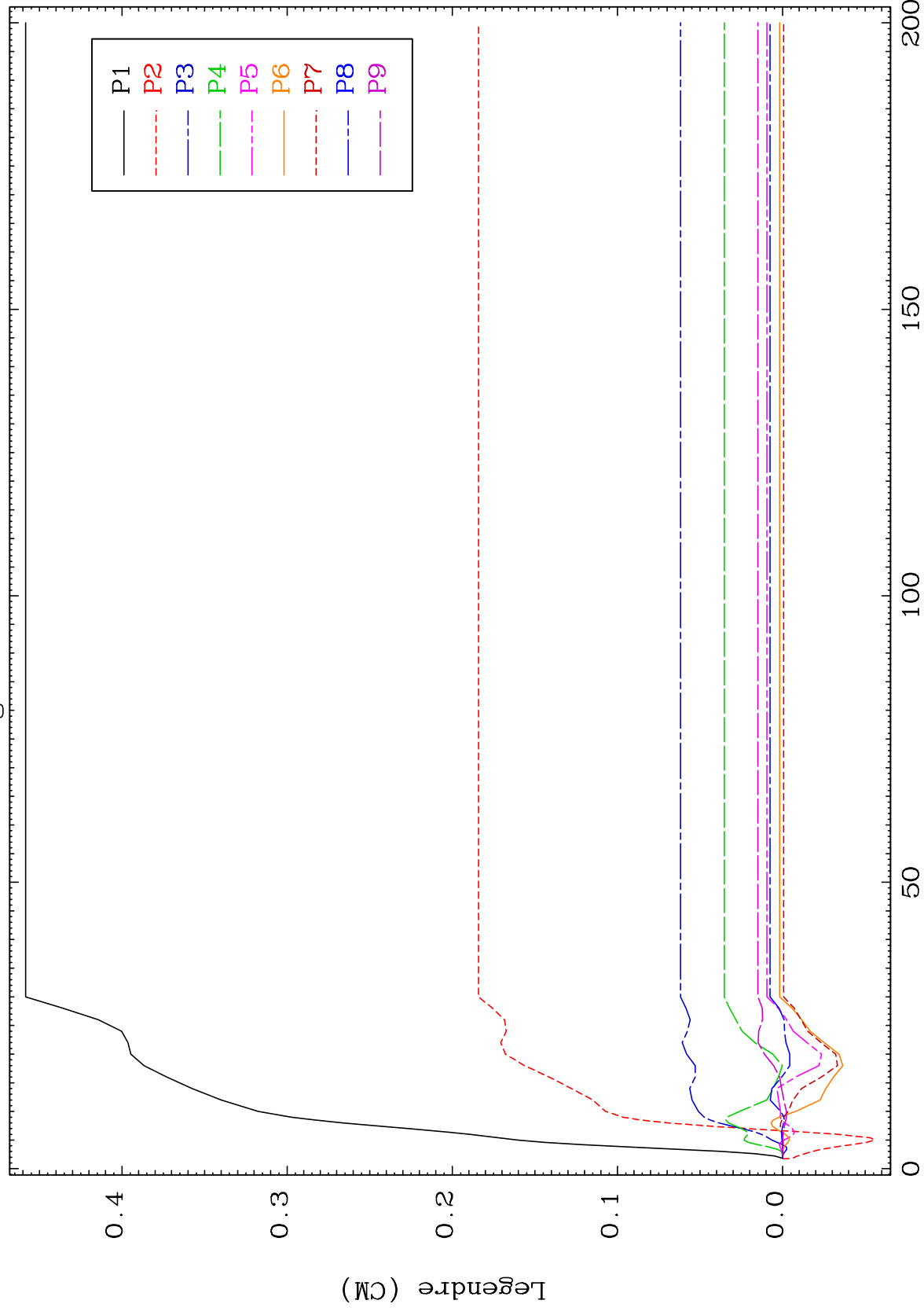
51-Sb-117



MAT 5113

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

51-Sb-117



88

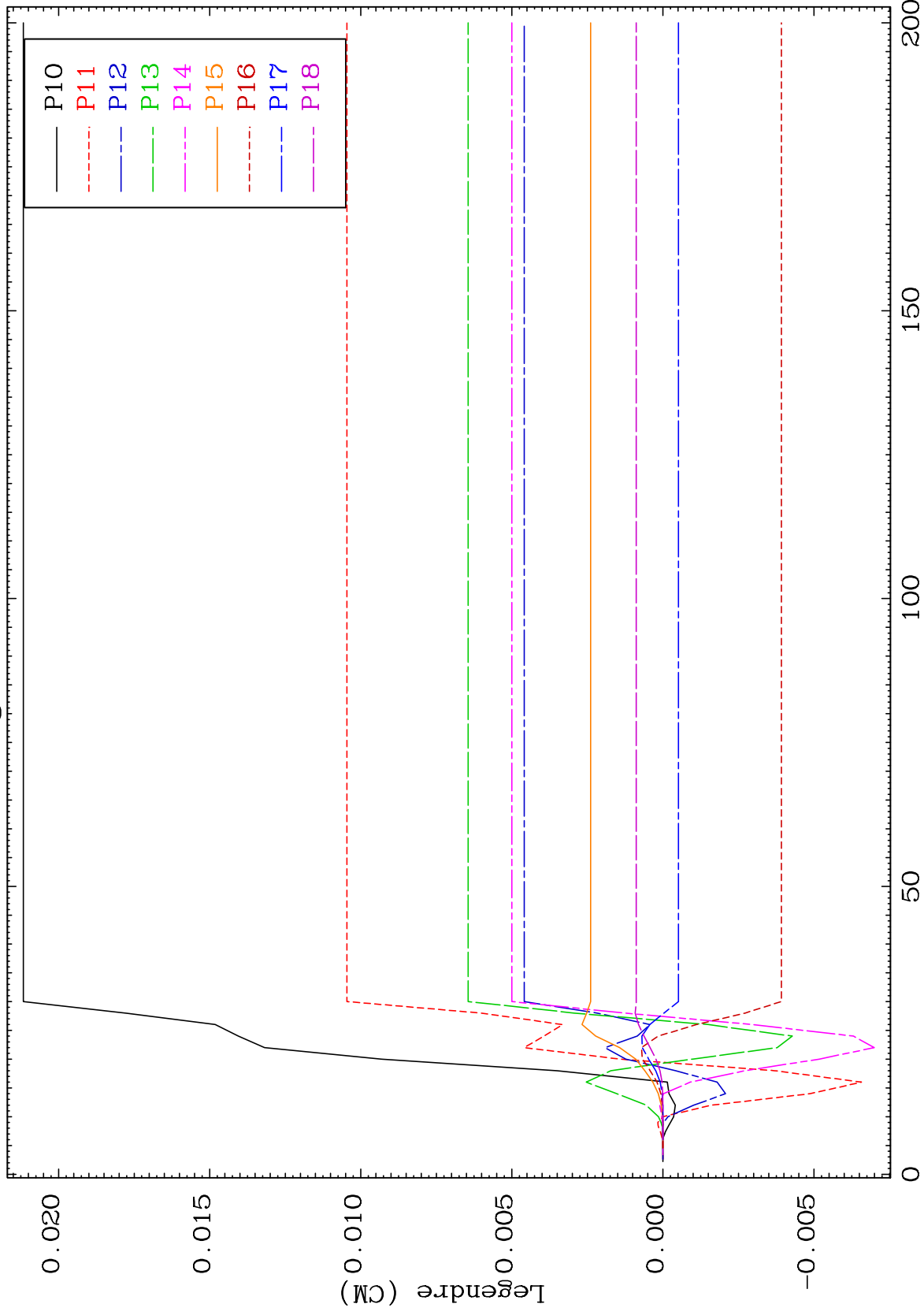
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



89

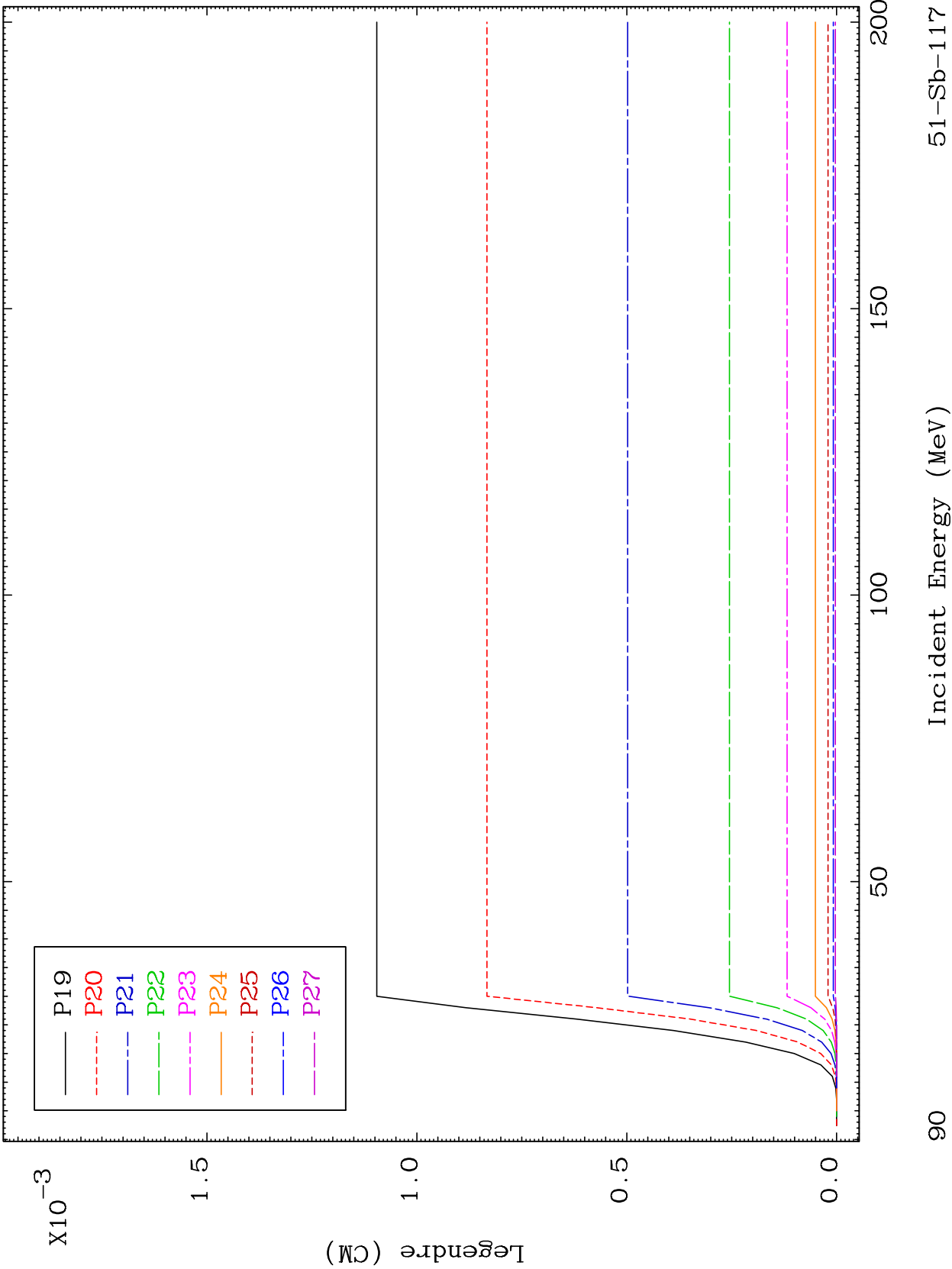
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



51-Sb-117

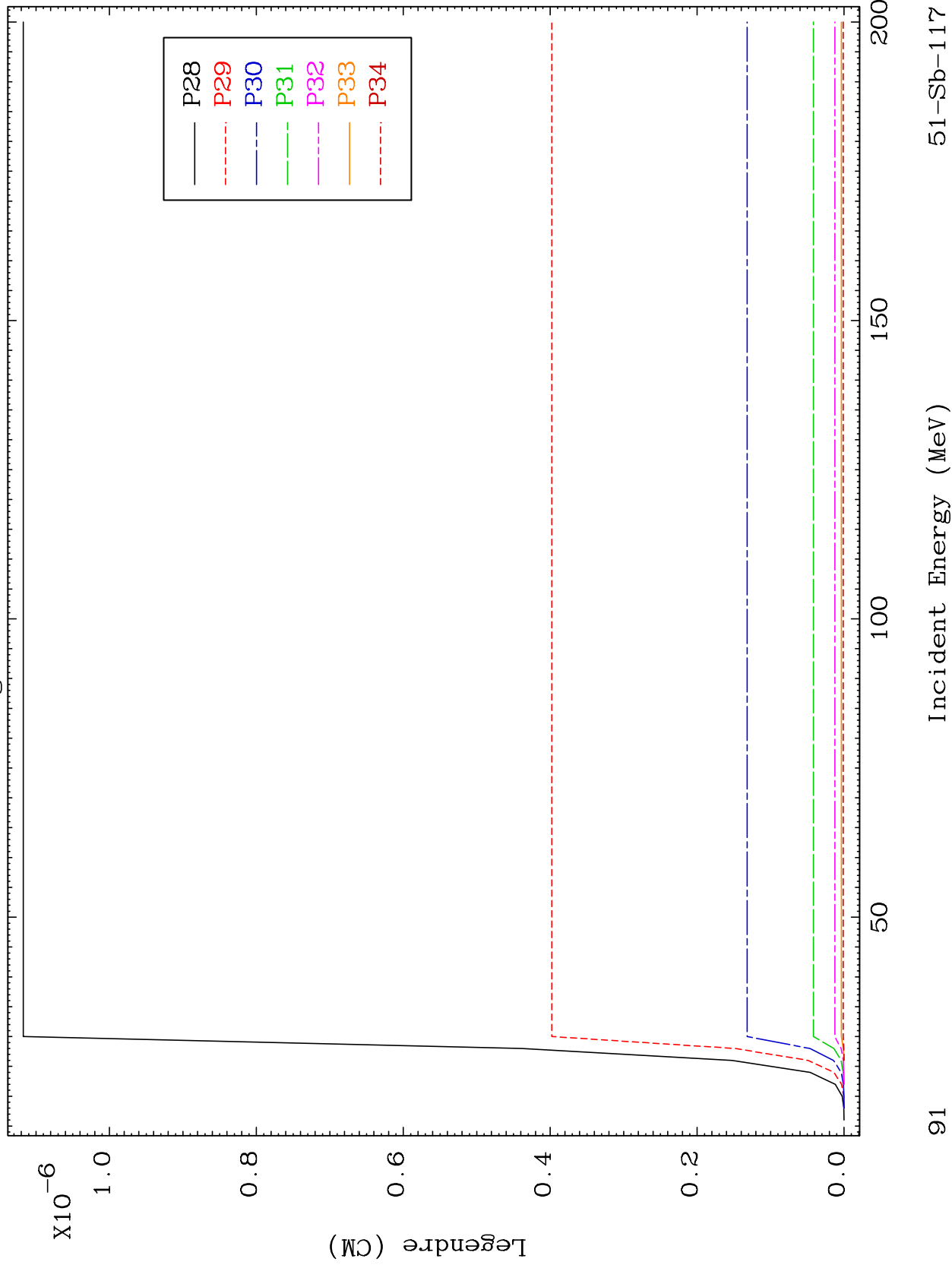
Incident Energy (MeV)

90

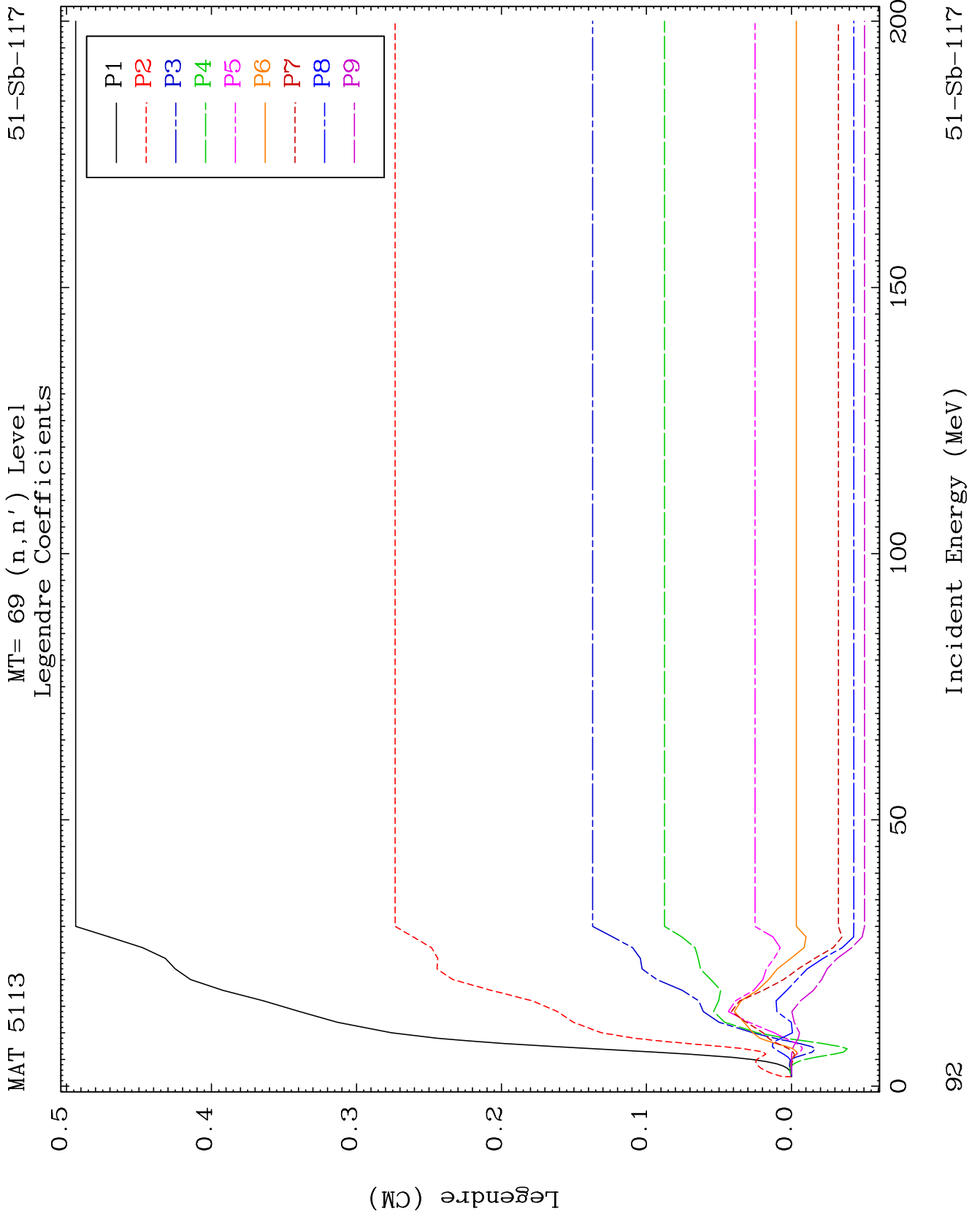
MAT 5113

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

51-Sb-117



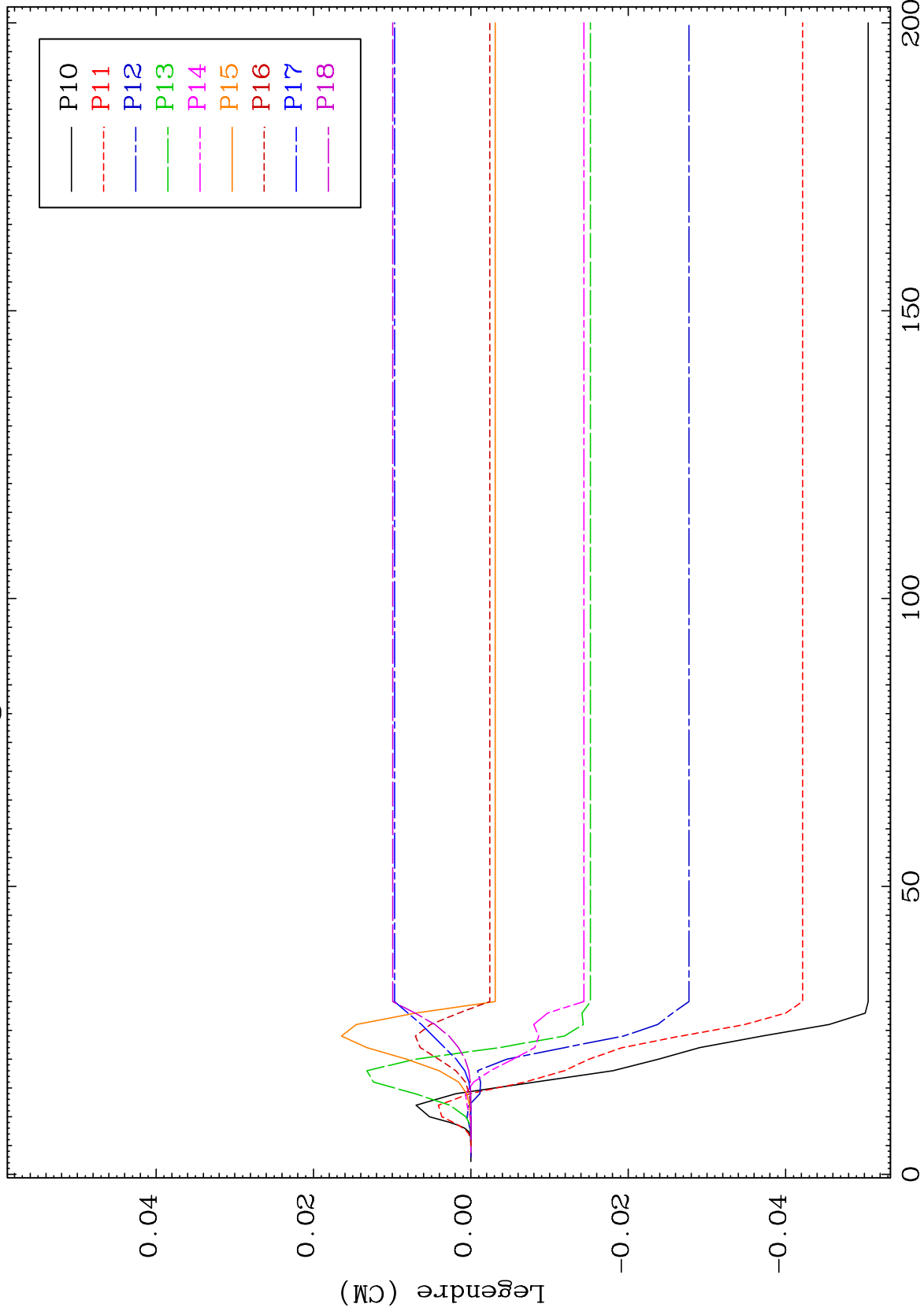
91



MAT 5113

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

51-Sb-117



93

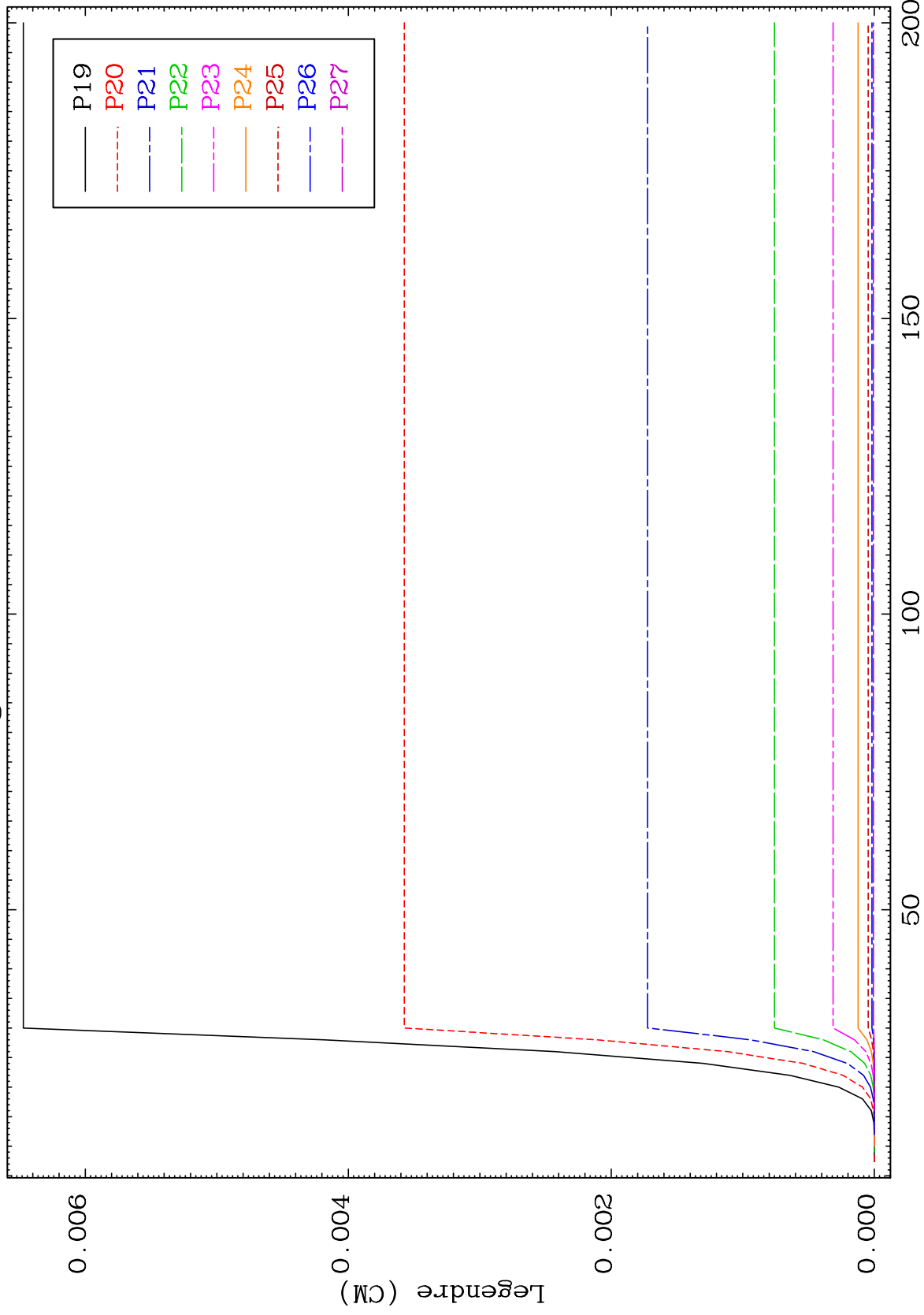
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



94

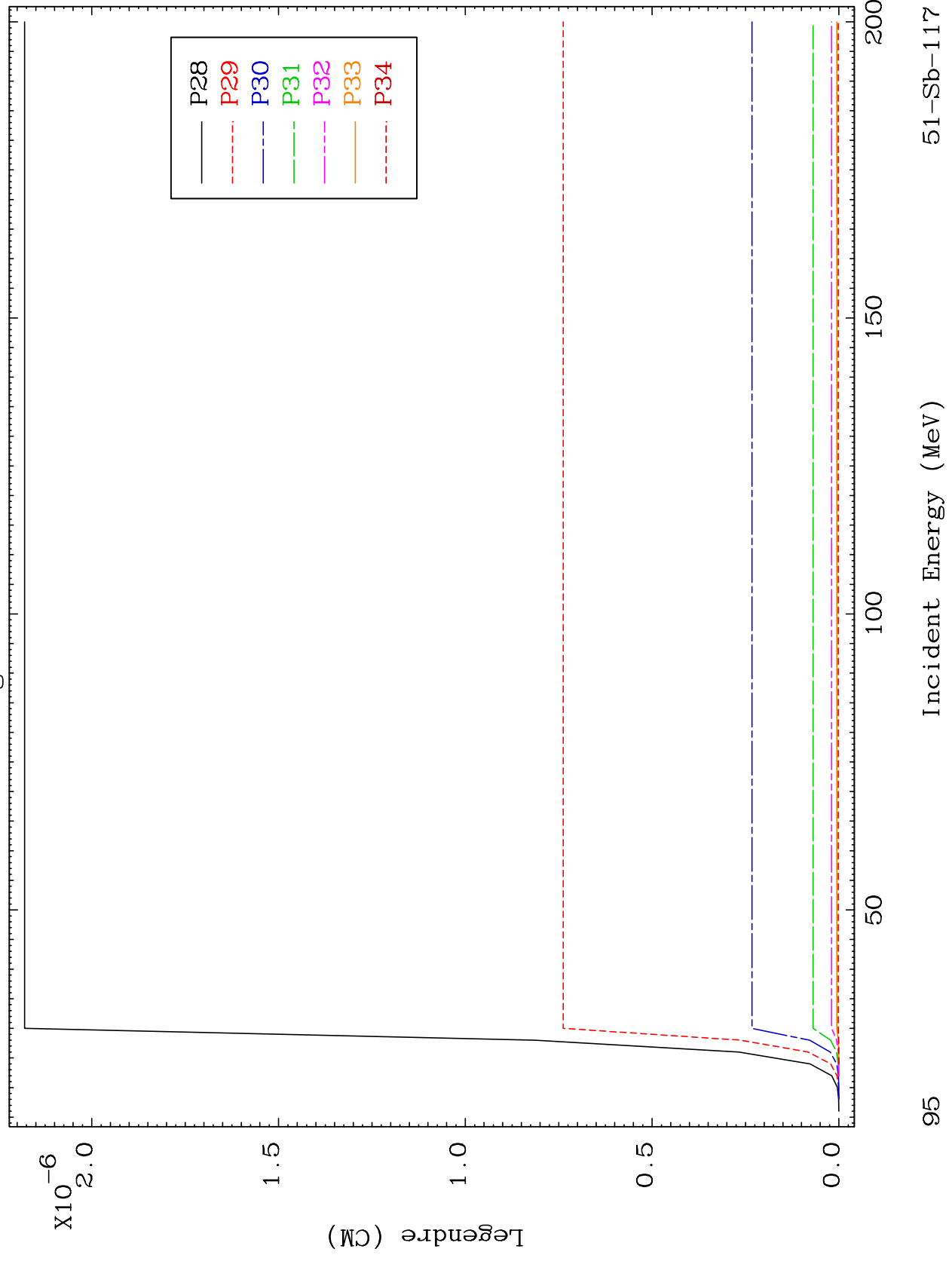
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



95

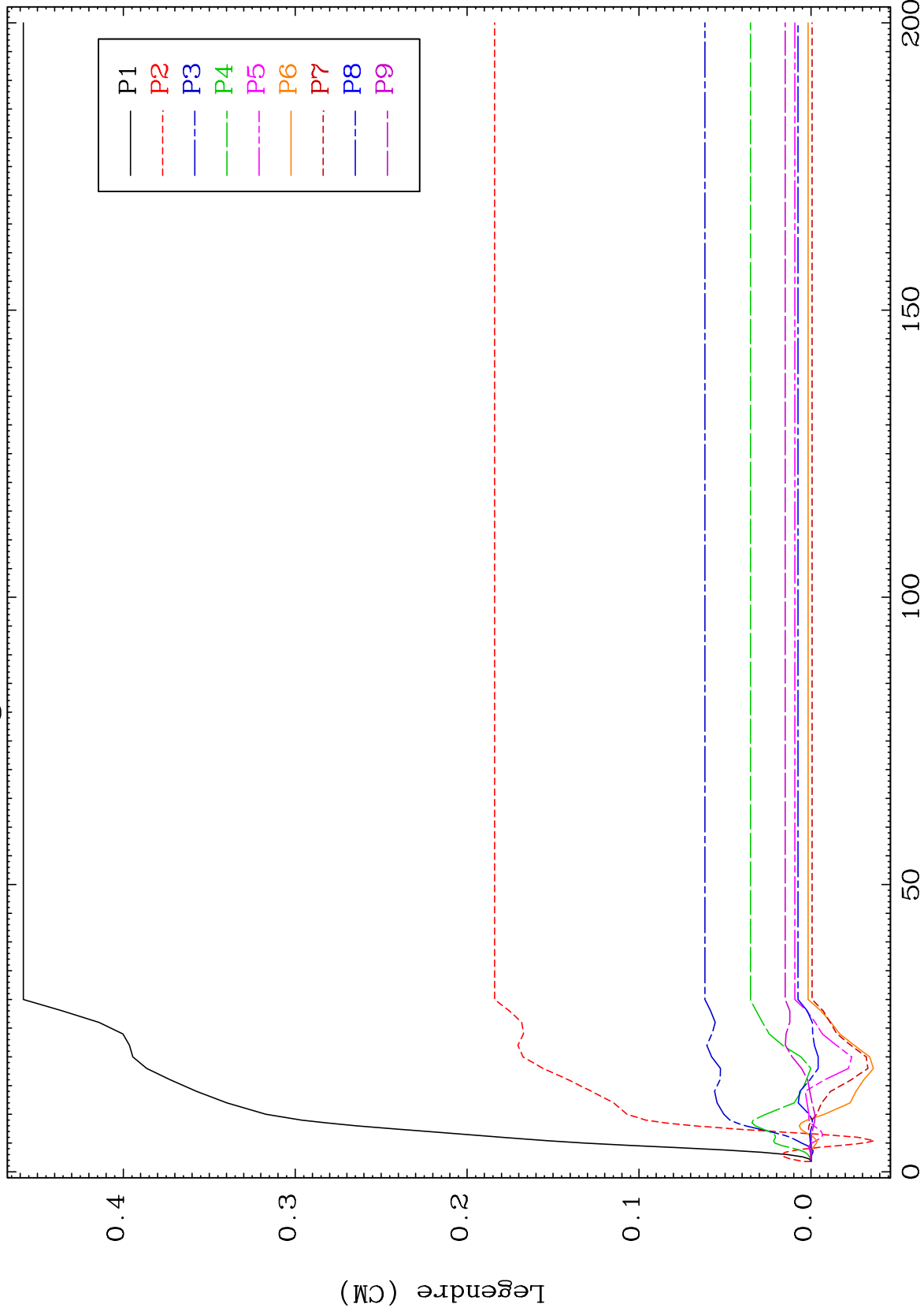
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



96

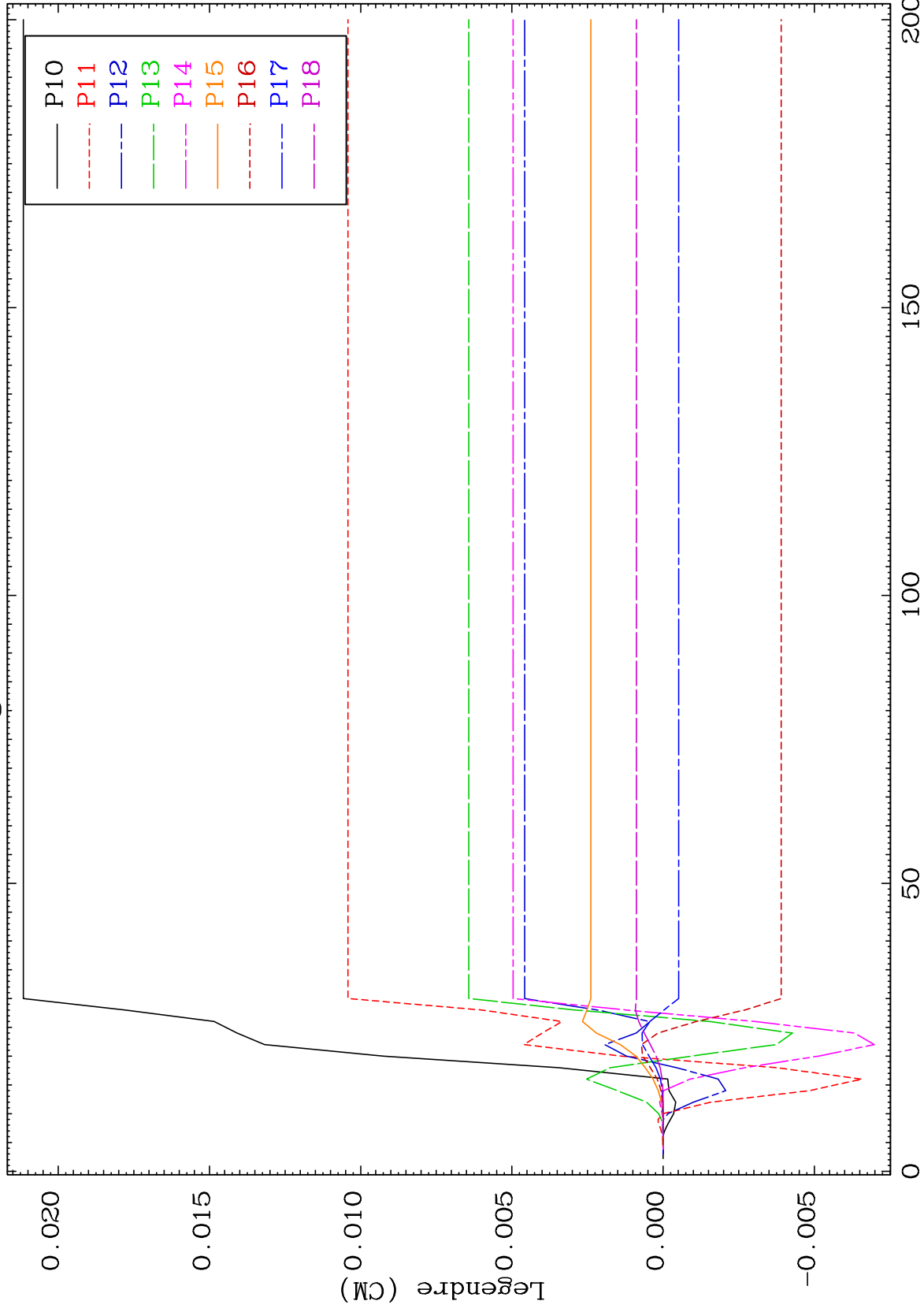
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

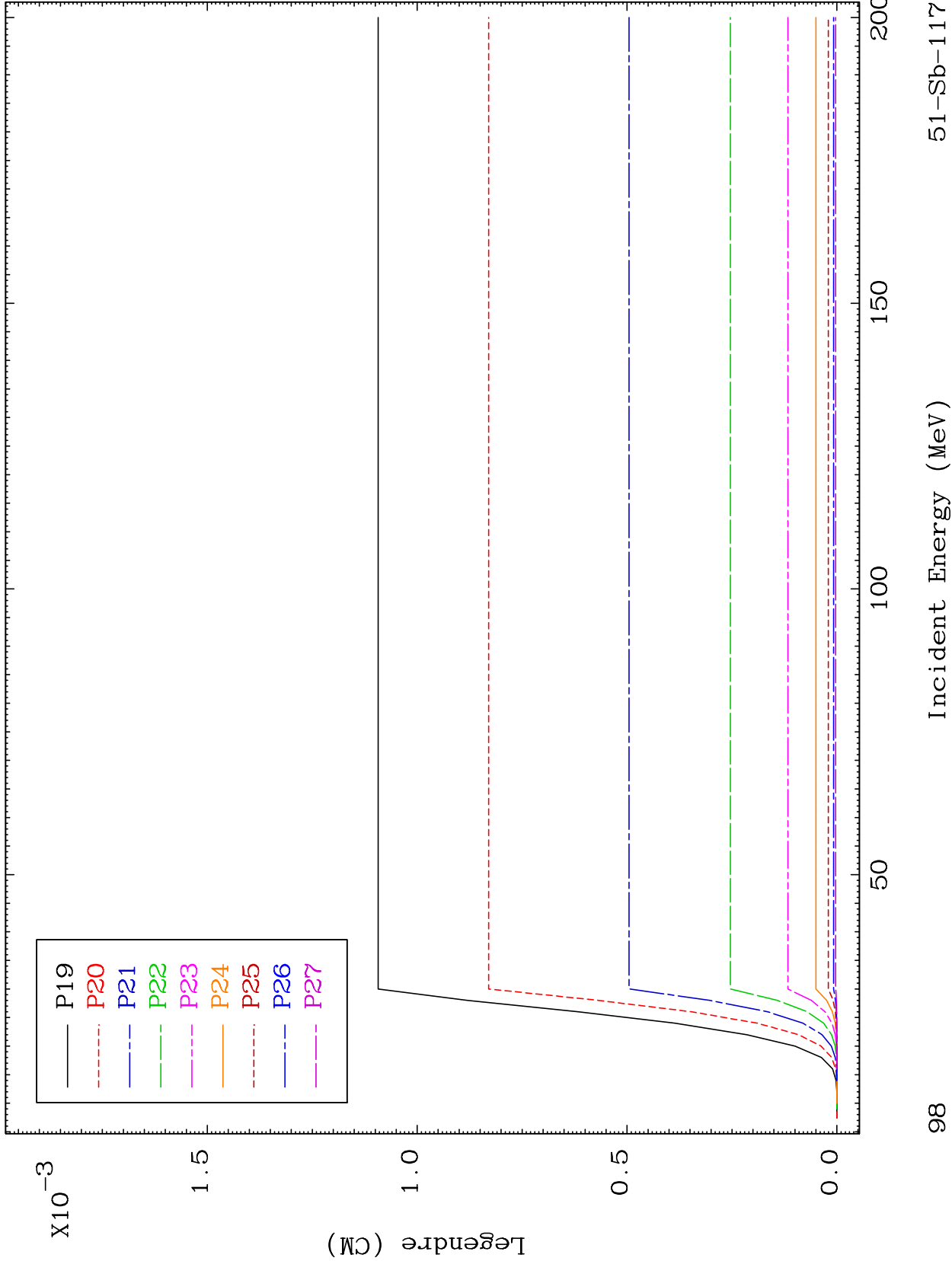
51-Sb-117



97

Incident Energy (MeV)

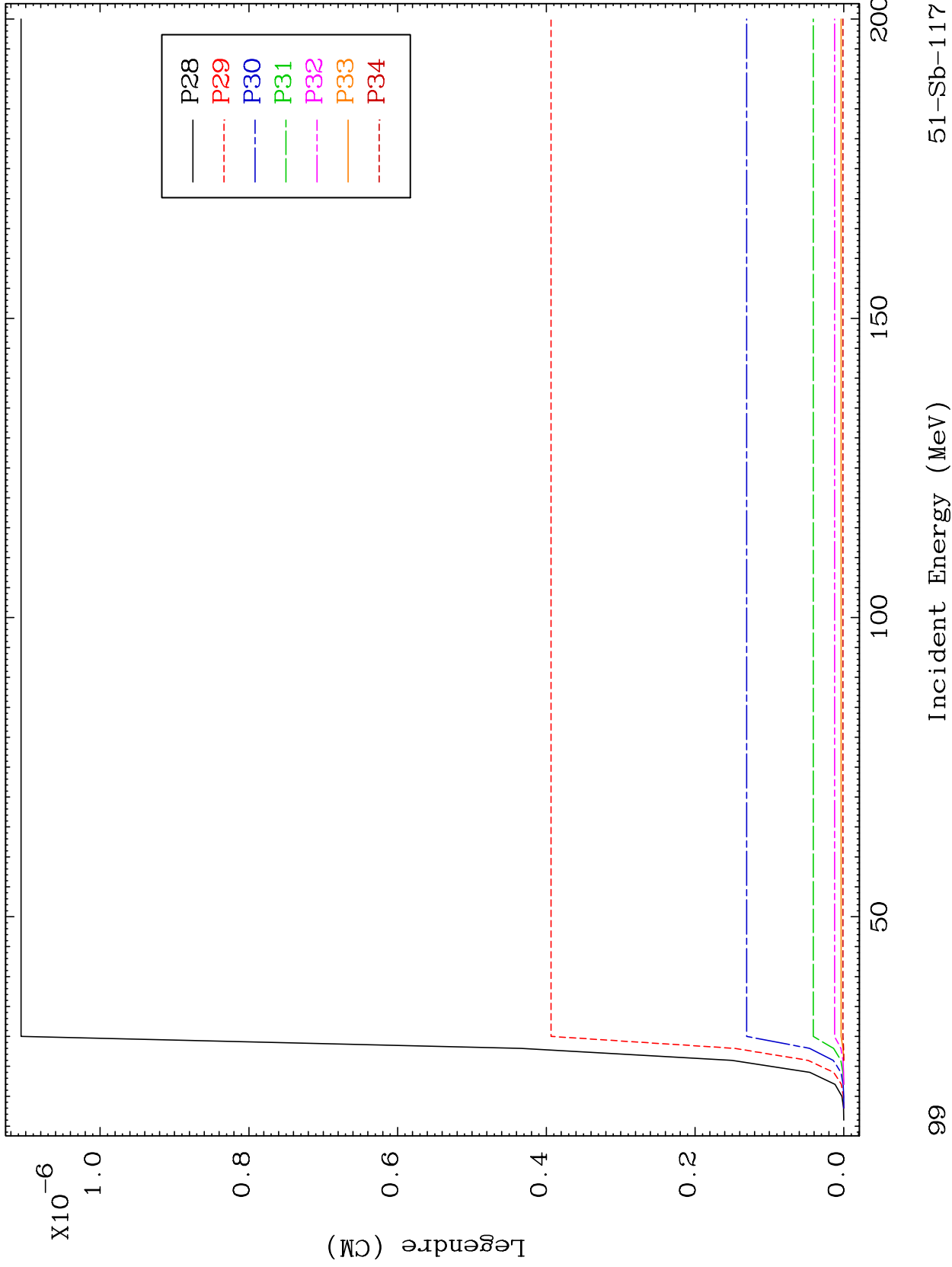
51-Sb-117

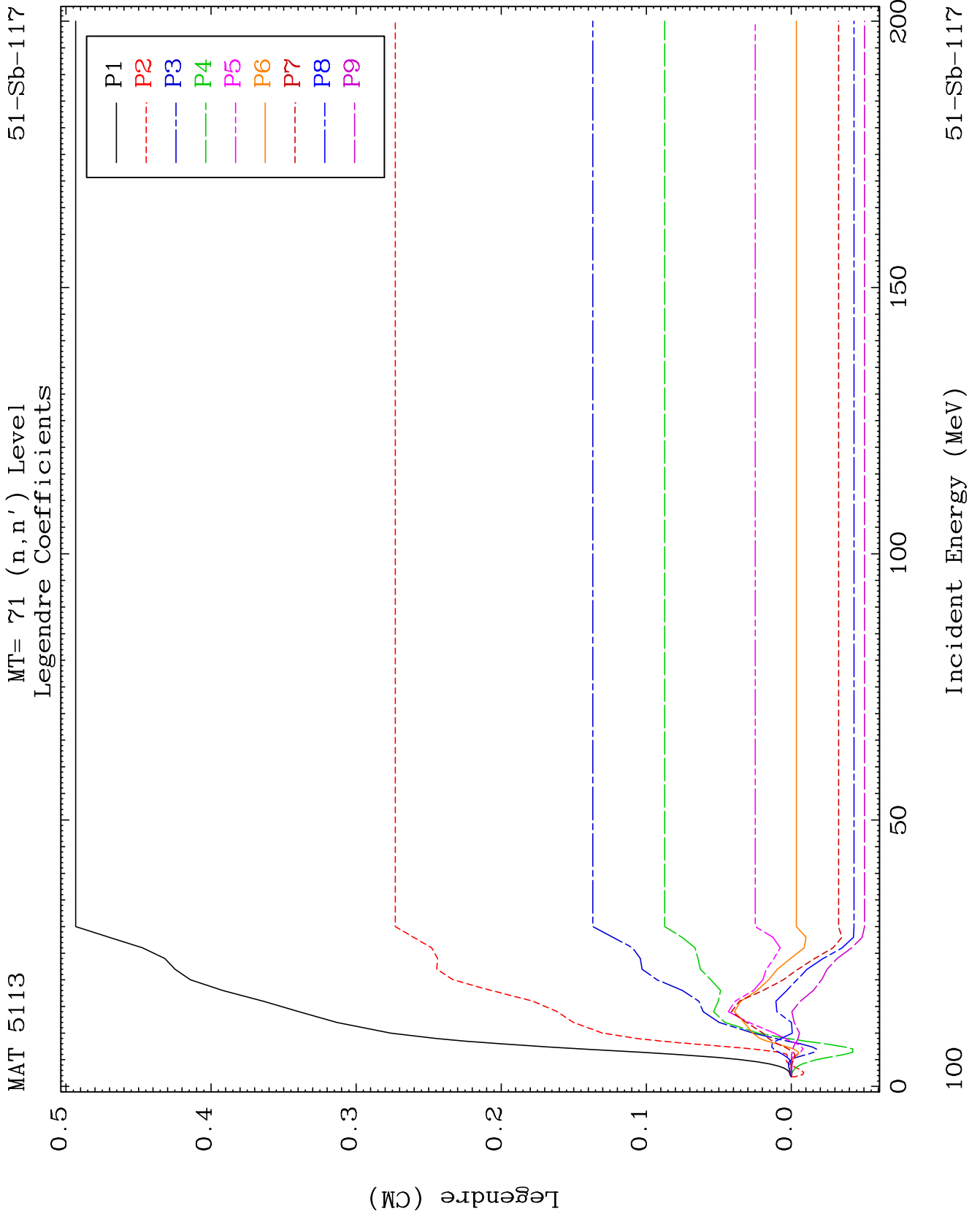


MAT 5113

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

51-Sb-117

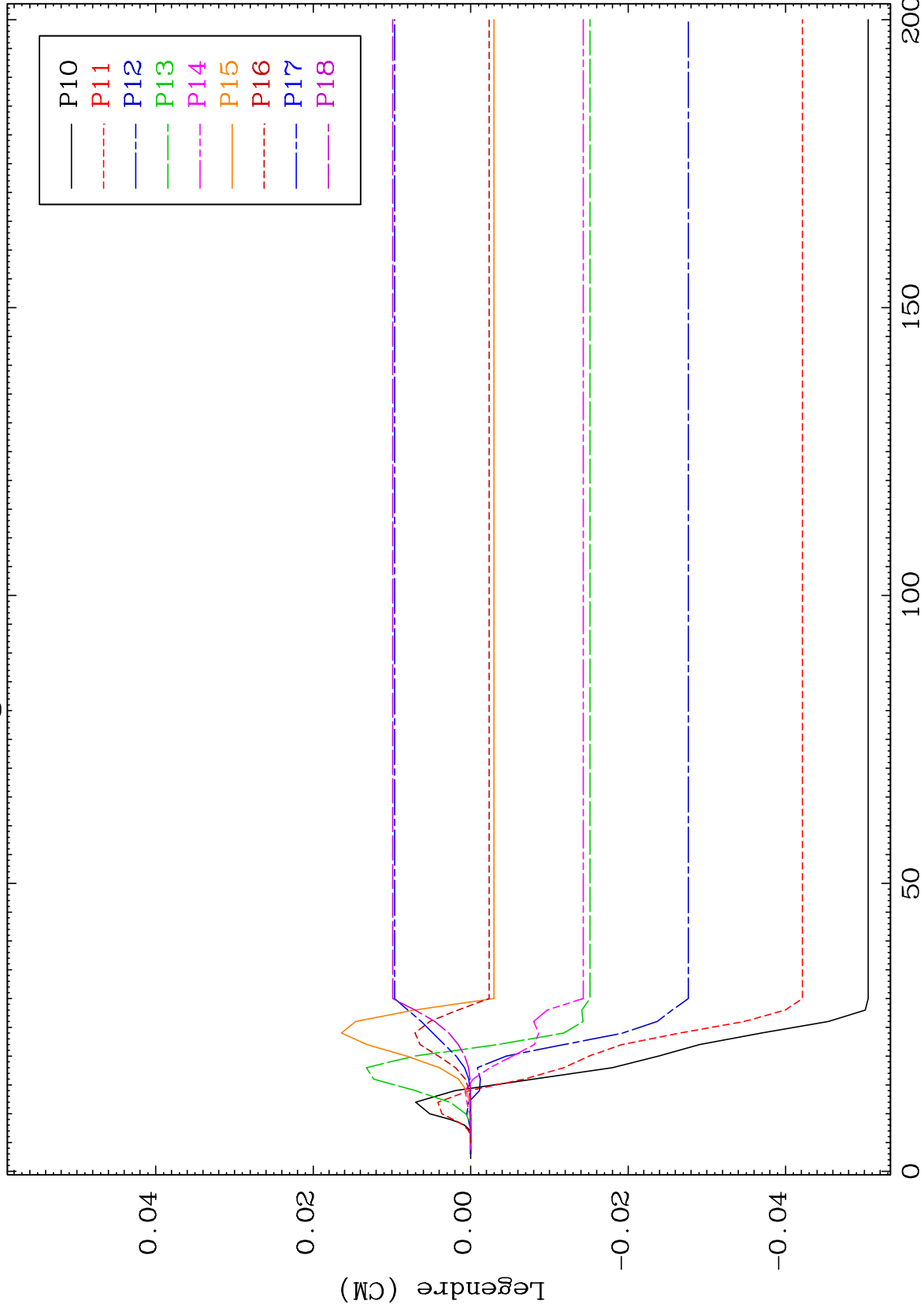




MAT 5113

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

51-Sb-117



101

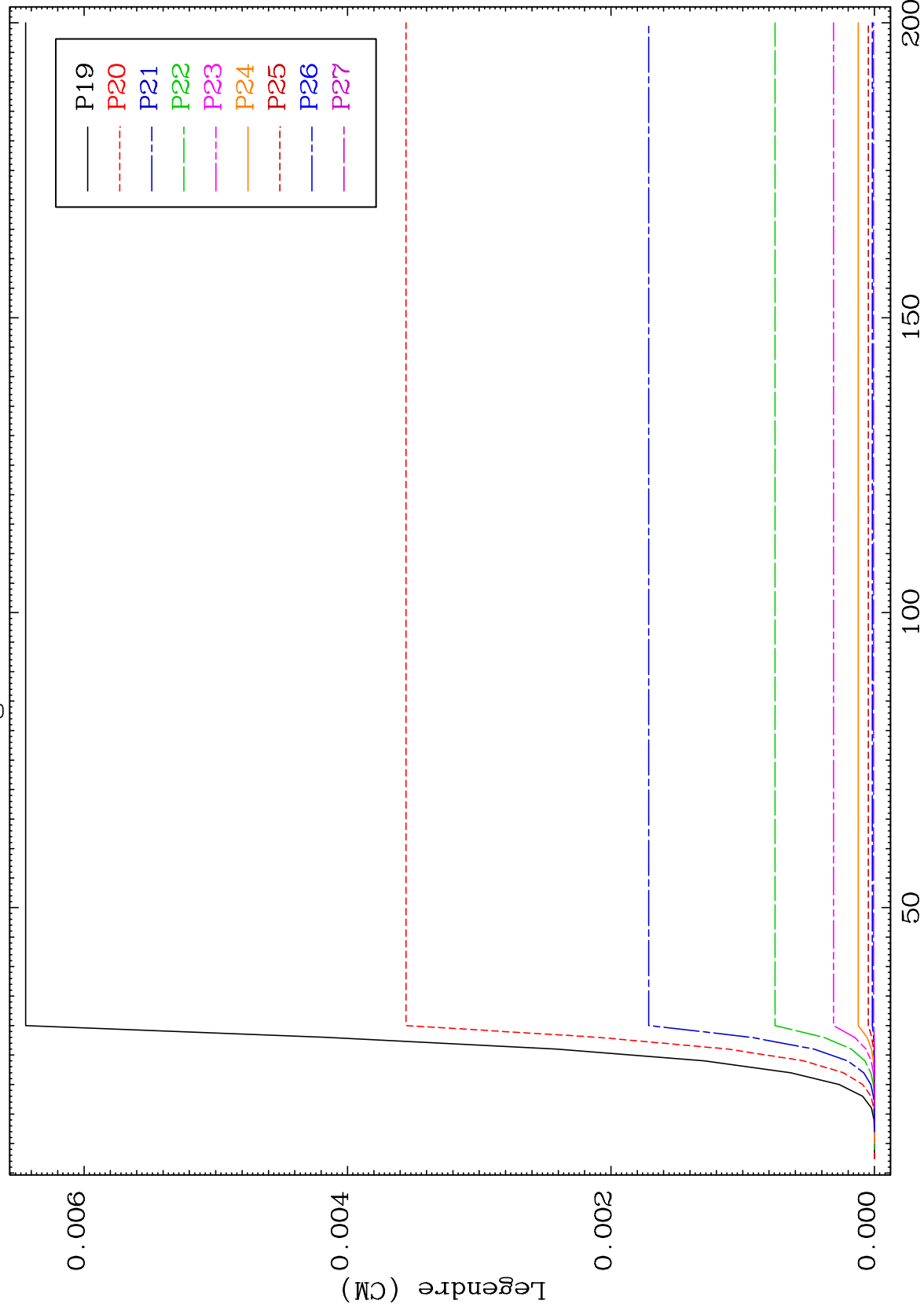
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



102

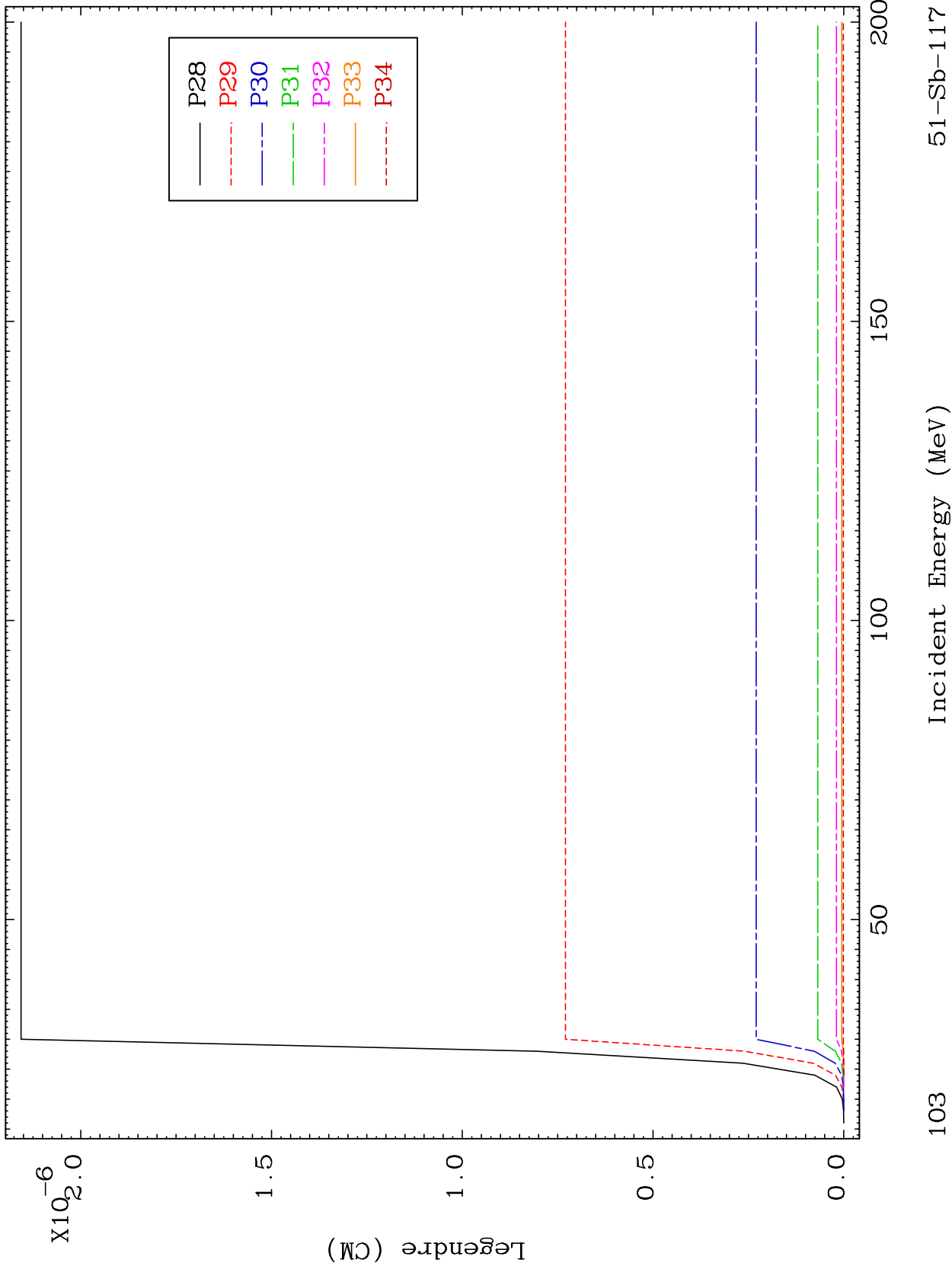
Incident Energy (MeV)

51-Sb-117

MAT 5113

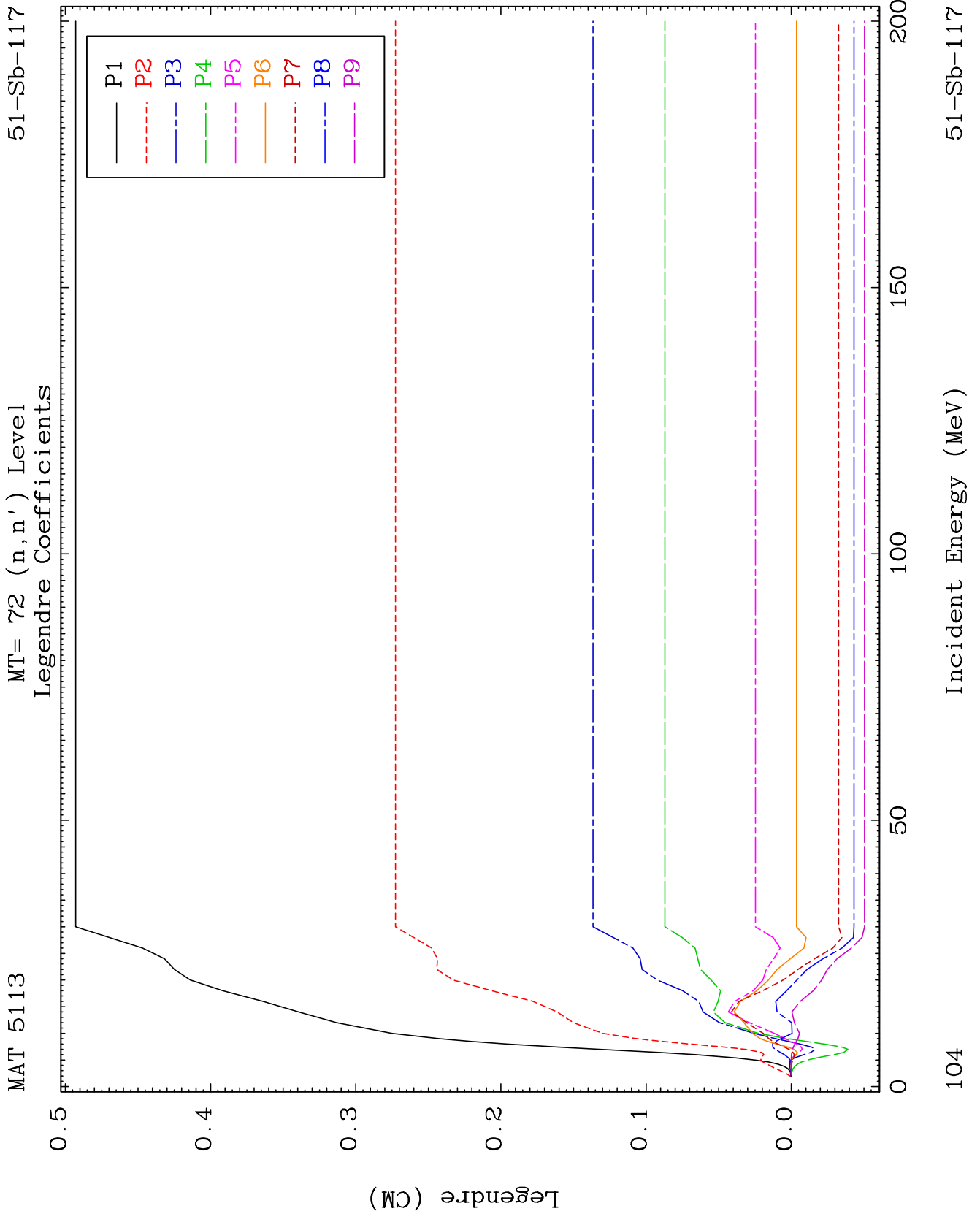
MT= 71 (n,n') Level  
Legendre Coefficients

51-Sb-117



103

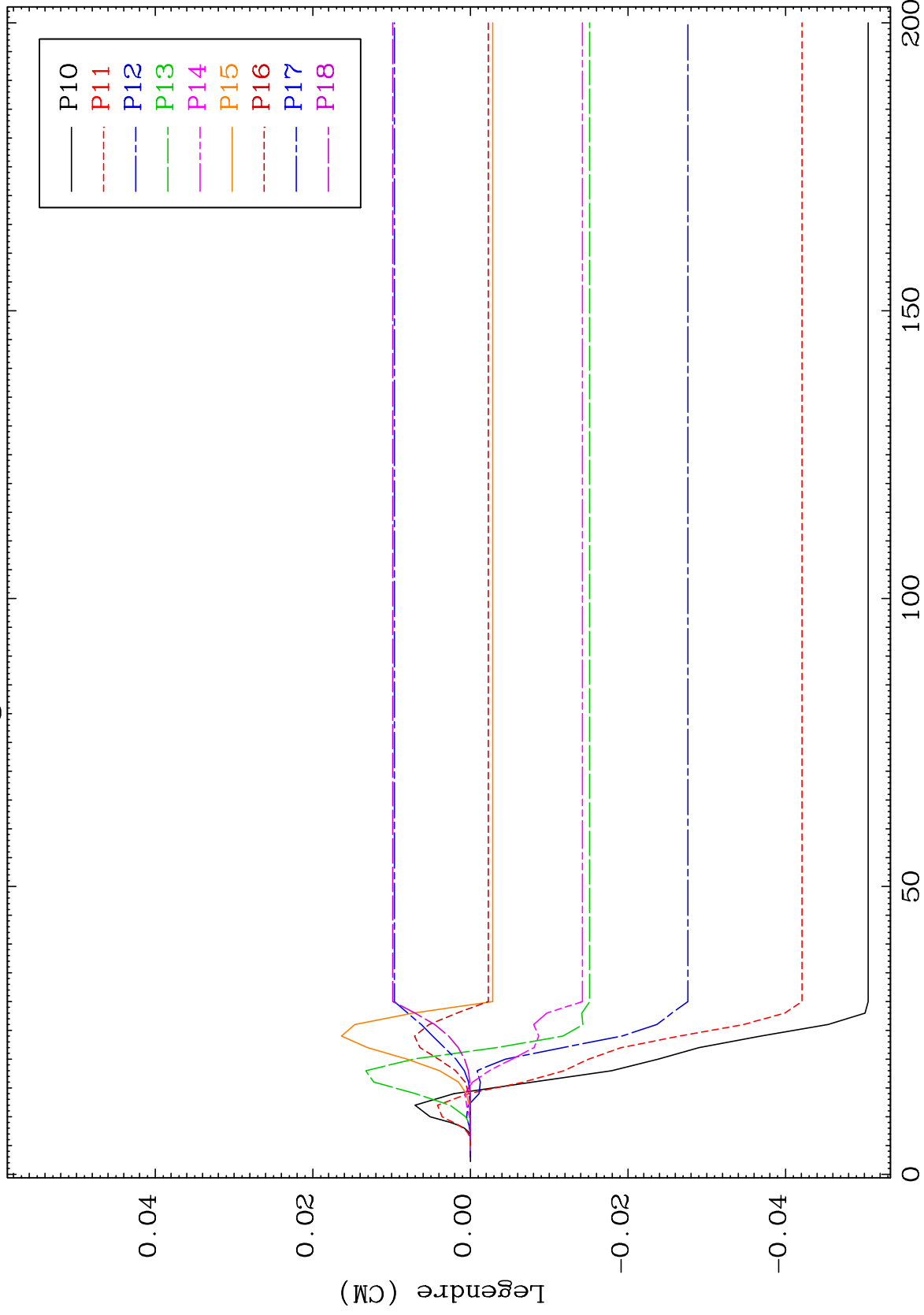
51-Sb-117



MAT 5113

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

51-Sb-117



105

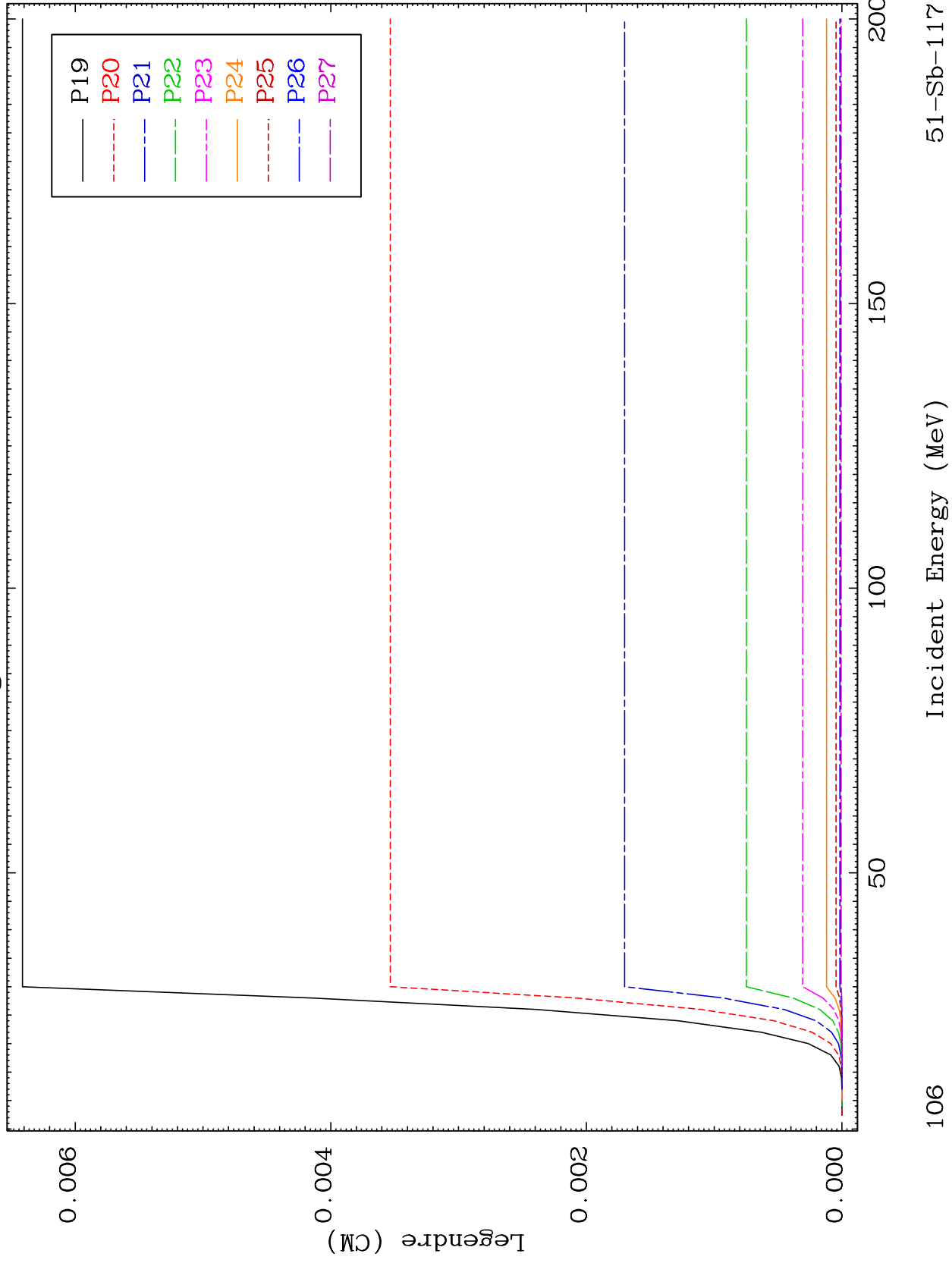
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



106

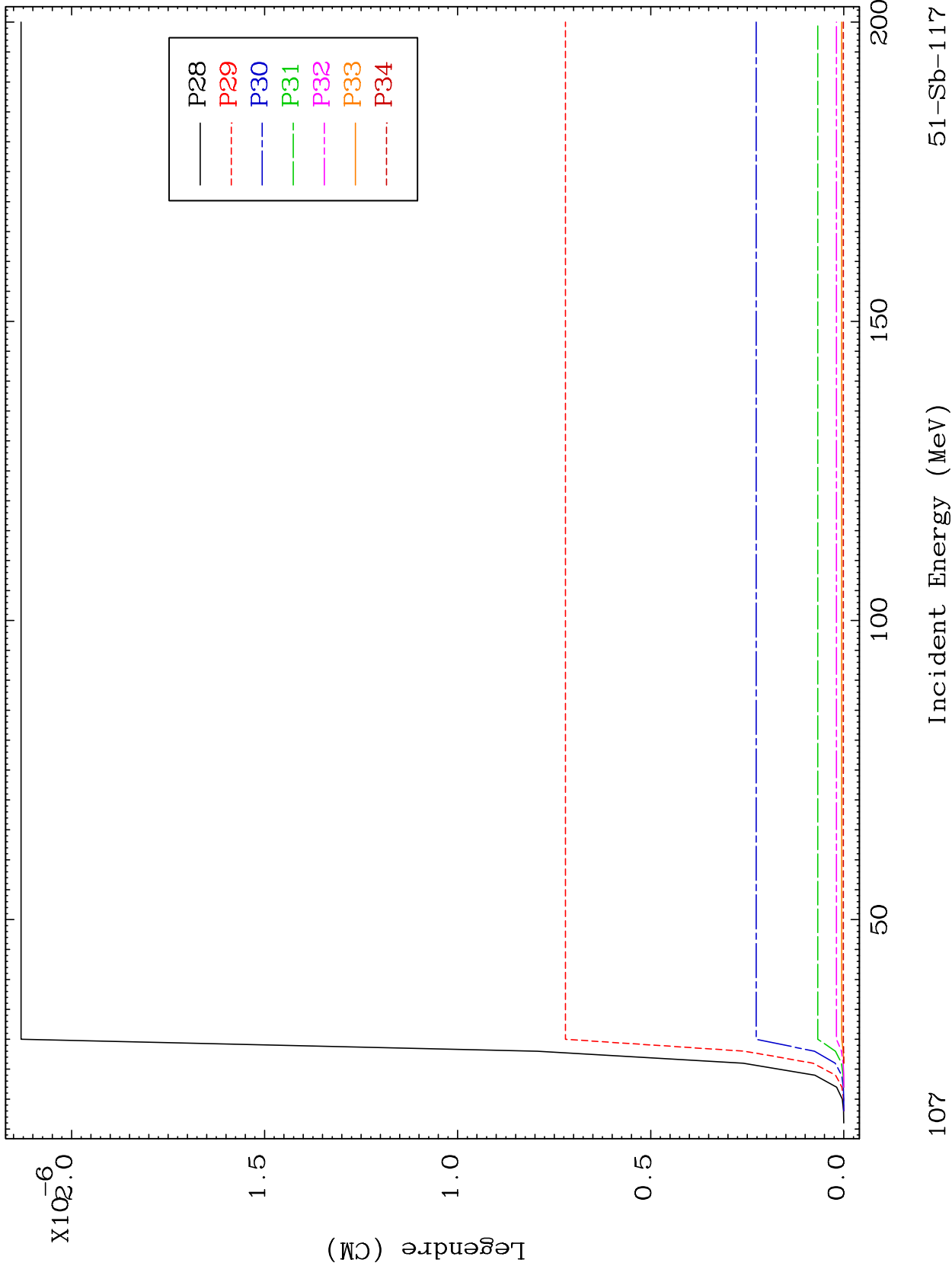
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



107

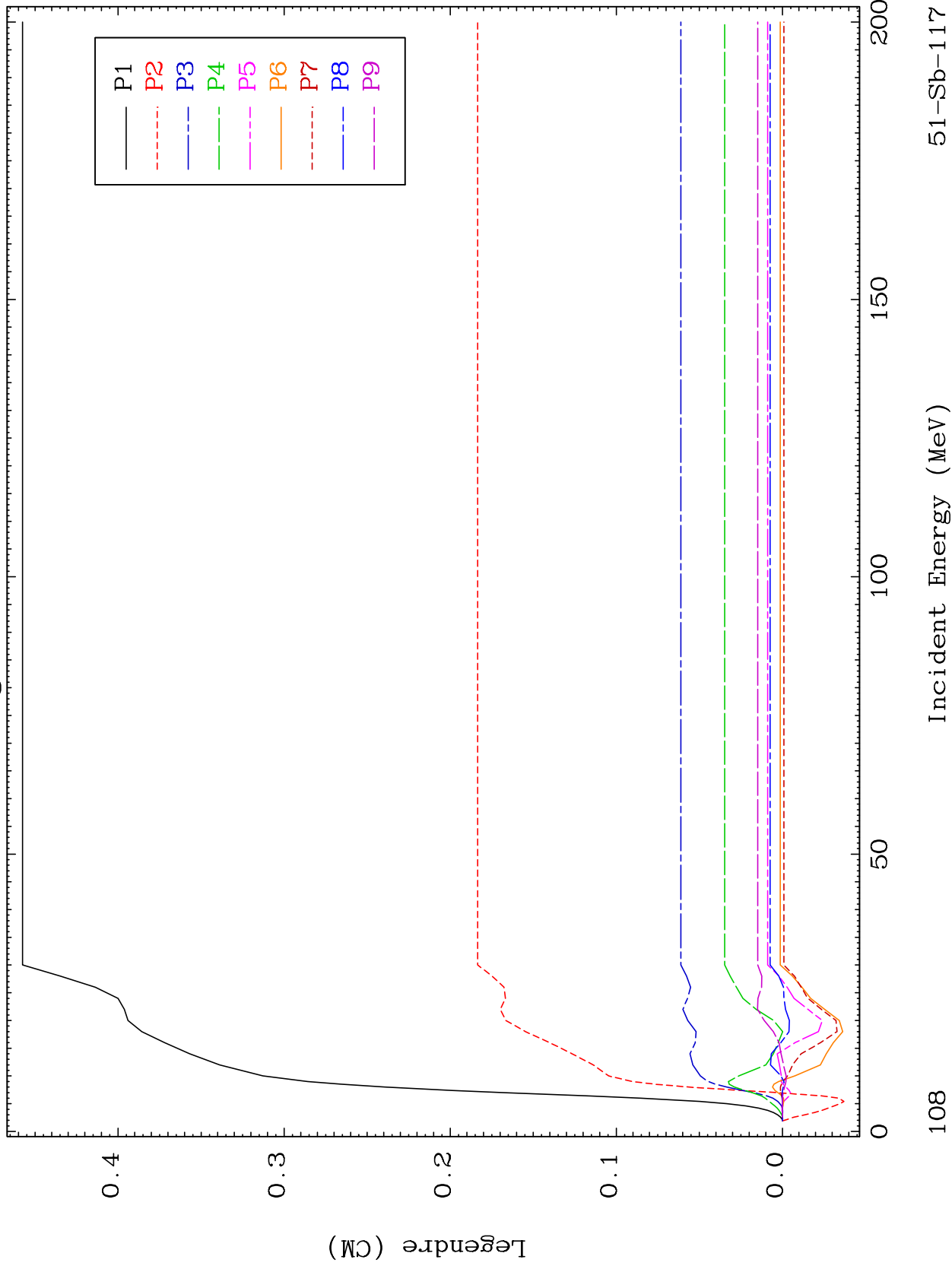
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



51-Sb-117

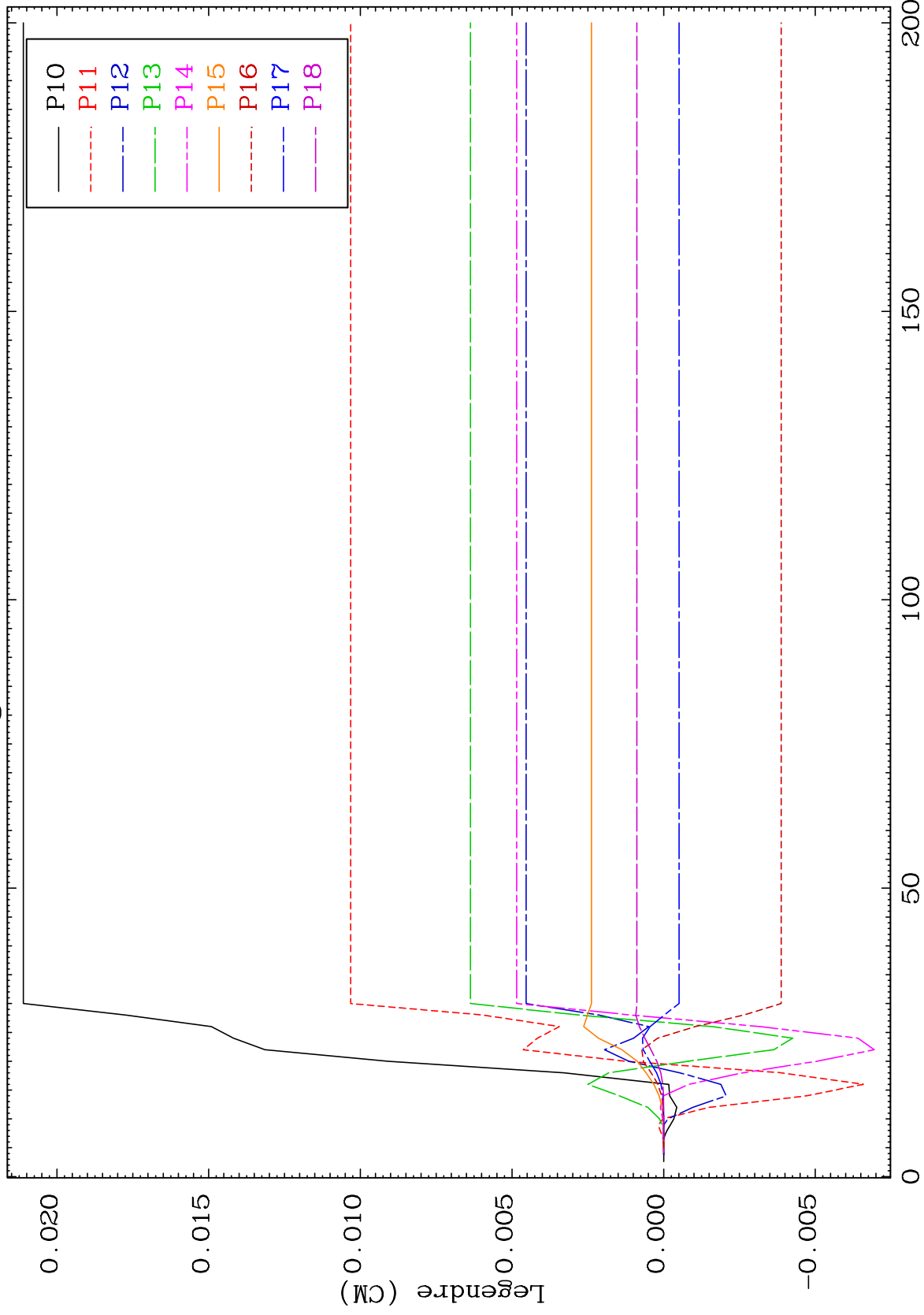
Incident Energy (MeV)

108

MAT 5113

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

51-Sb-117



109

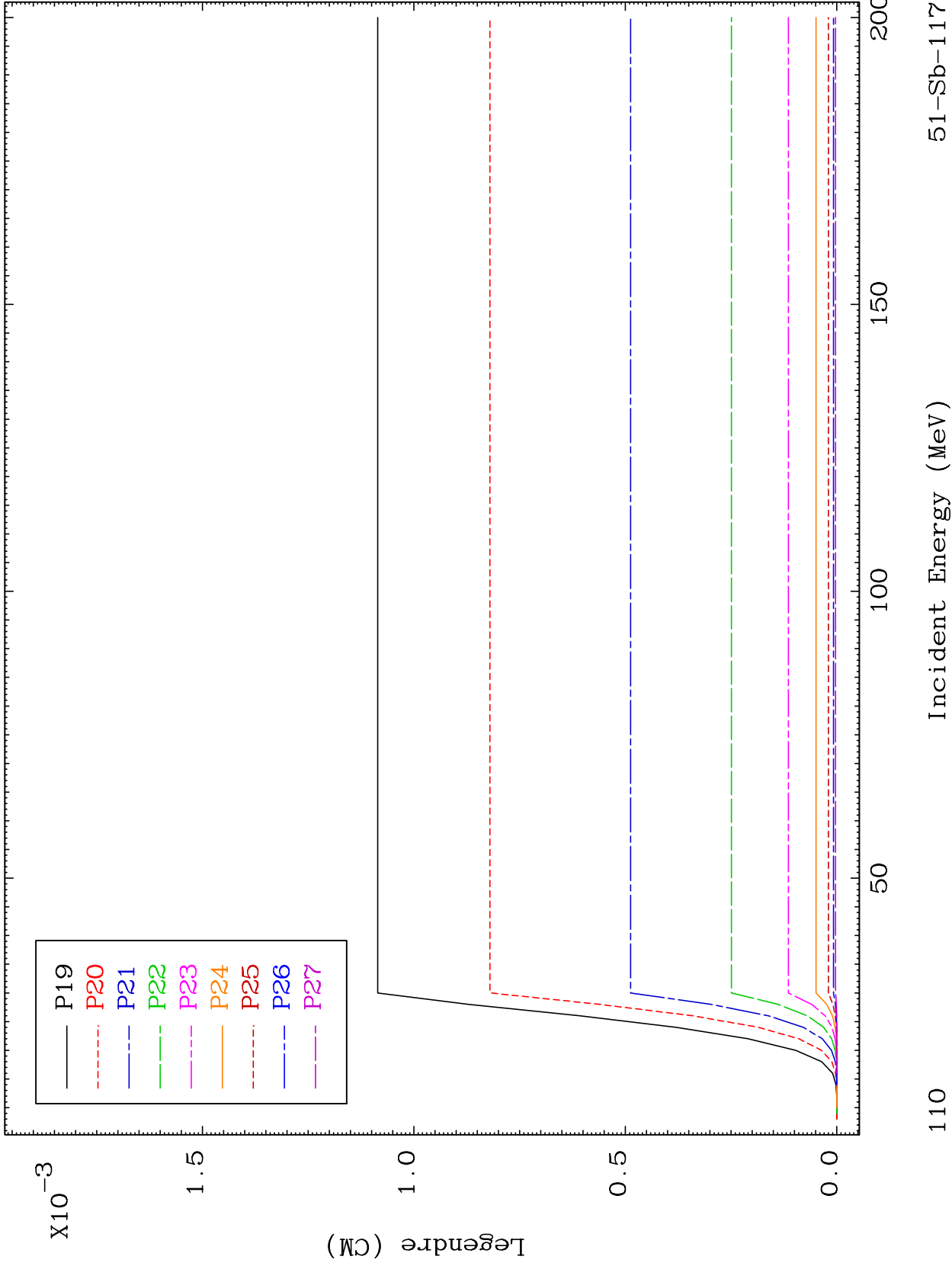
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

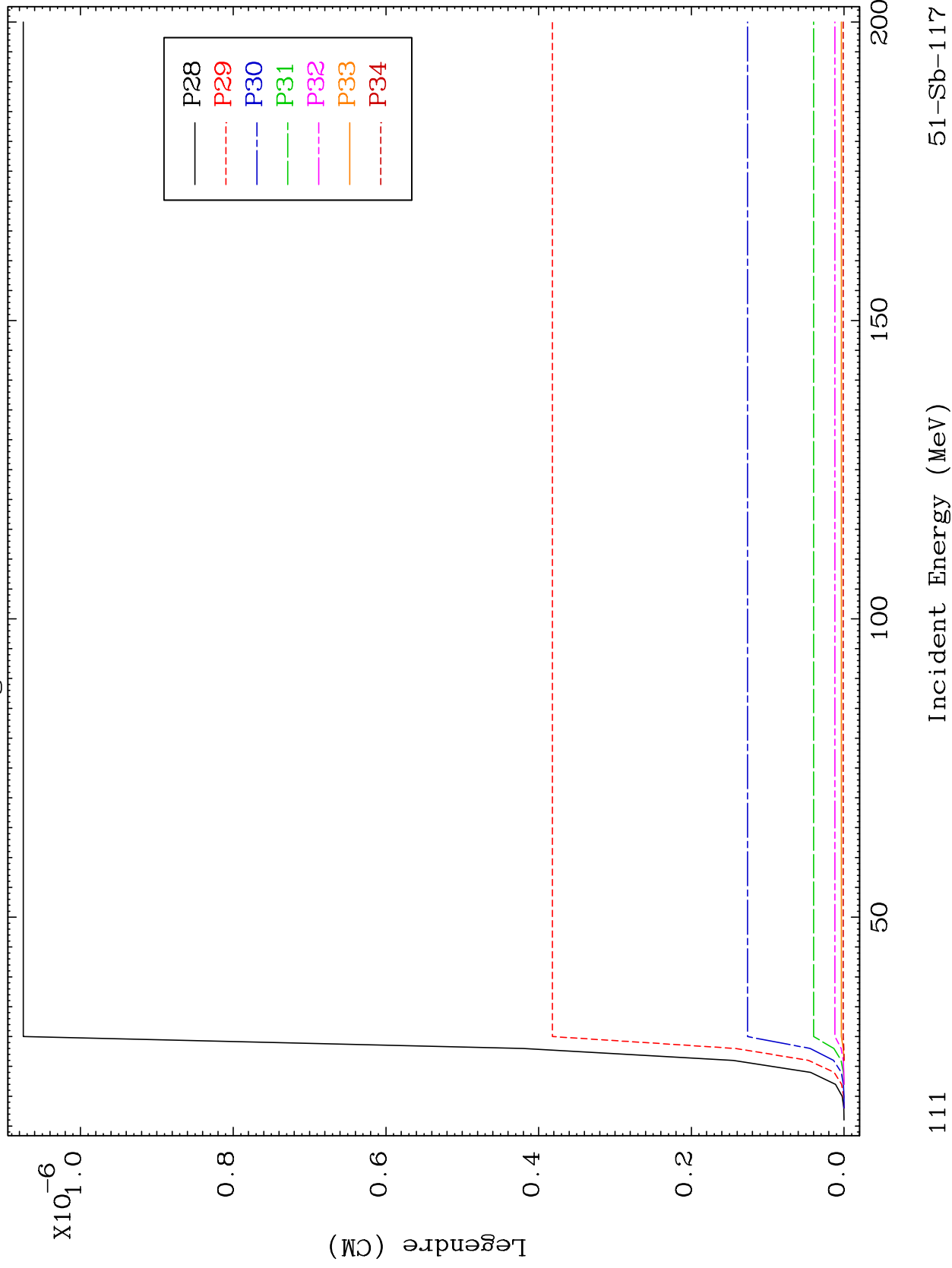
51-Sb-117



MAT 5113

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

51-Sb-117



111

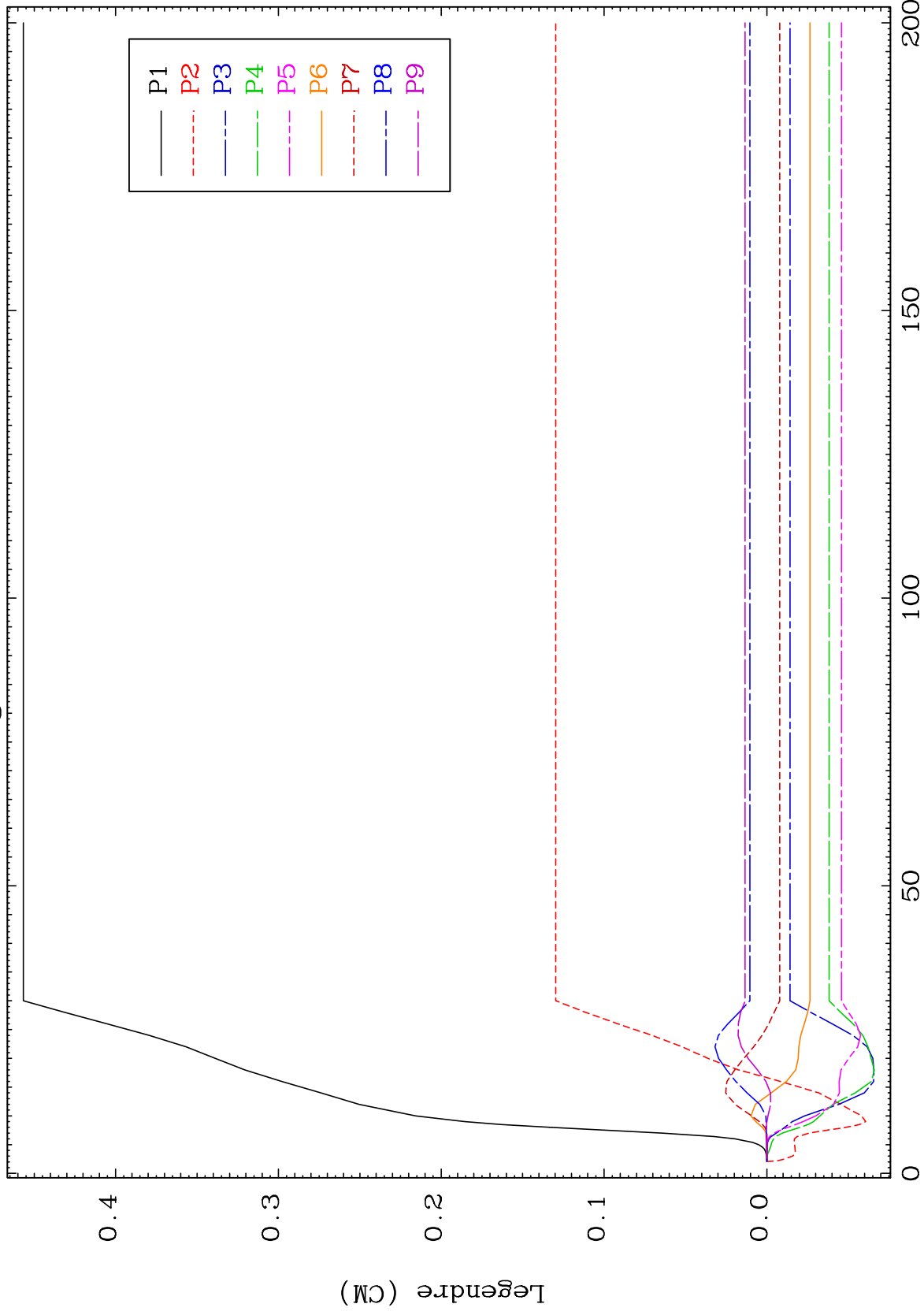
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



112

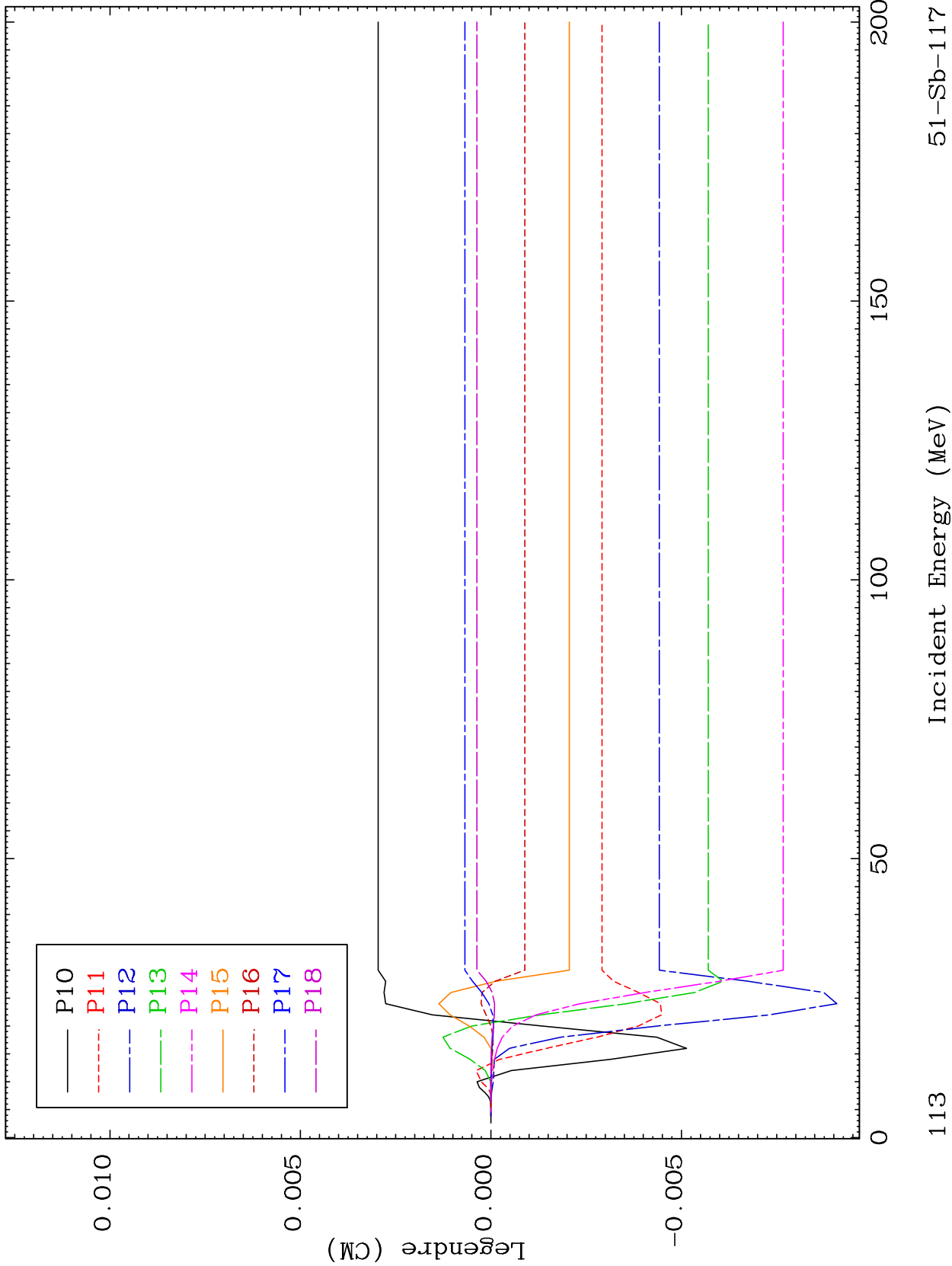
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

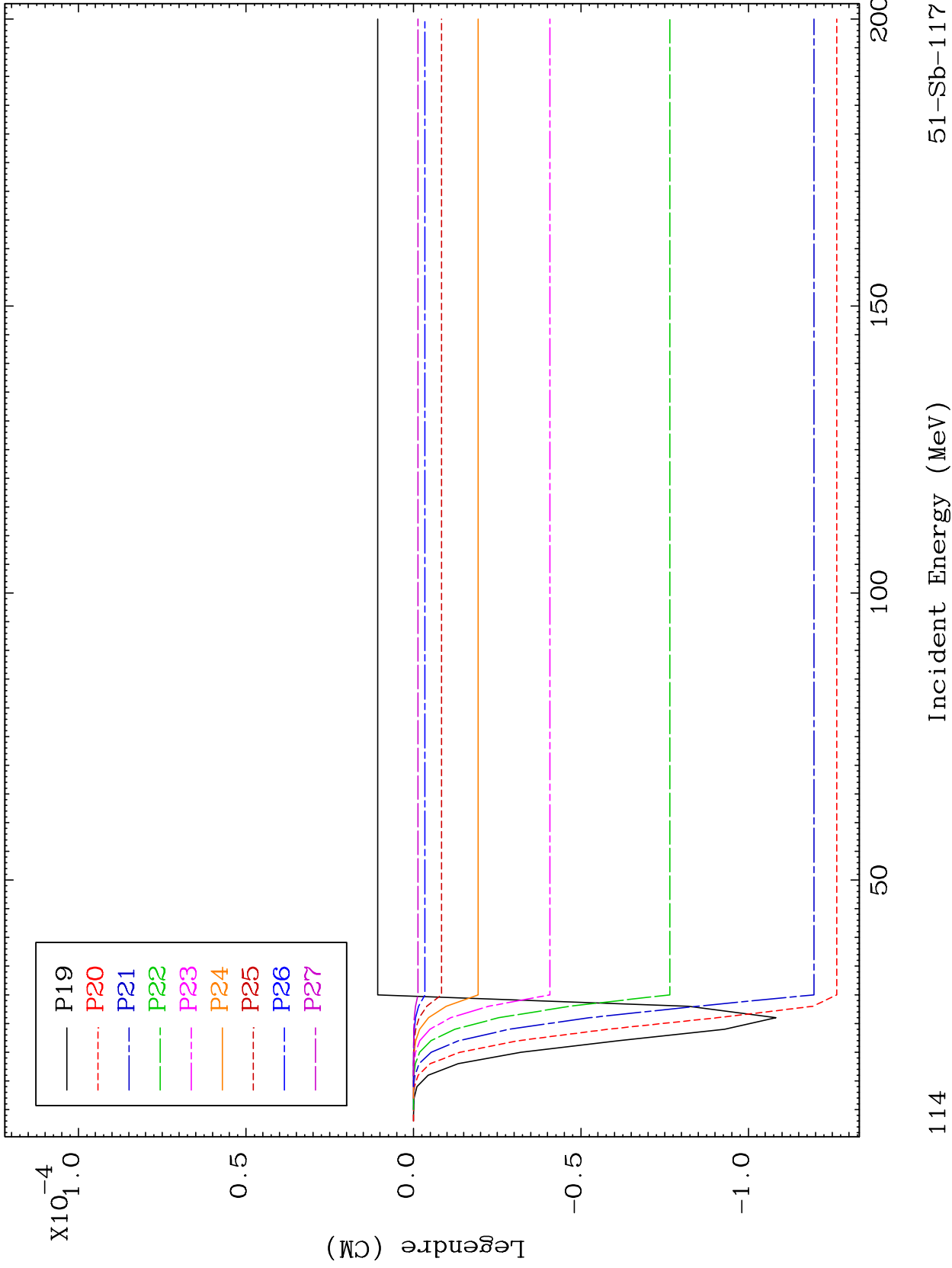
51-Sb-117



113

Incident Energy (MeV)

51-Sb-117

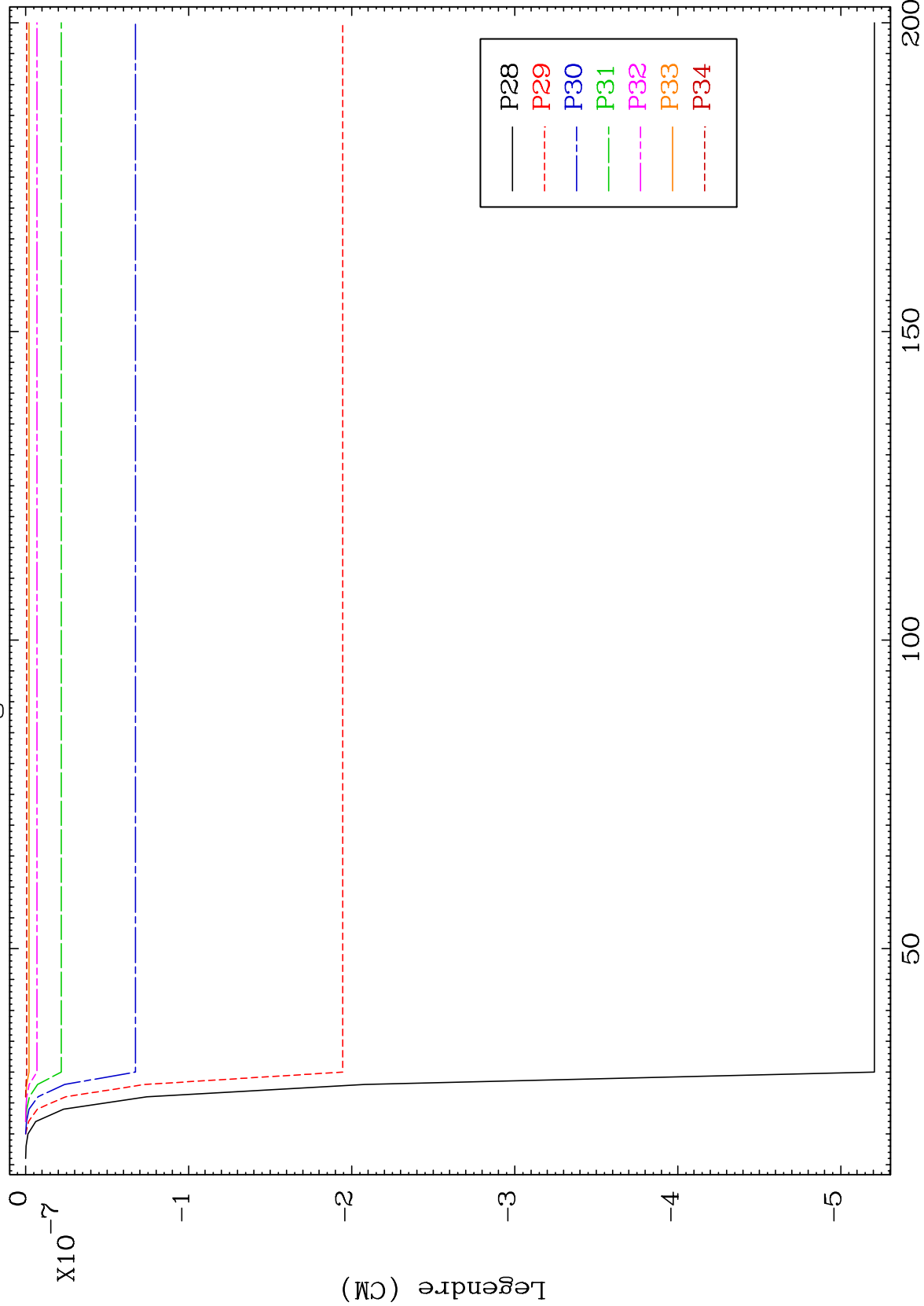


MAT 5113

MT= 74 (n,n') Level

51-Sb-117

Legendre Coefficients



115

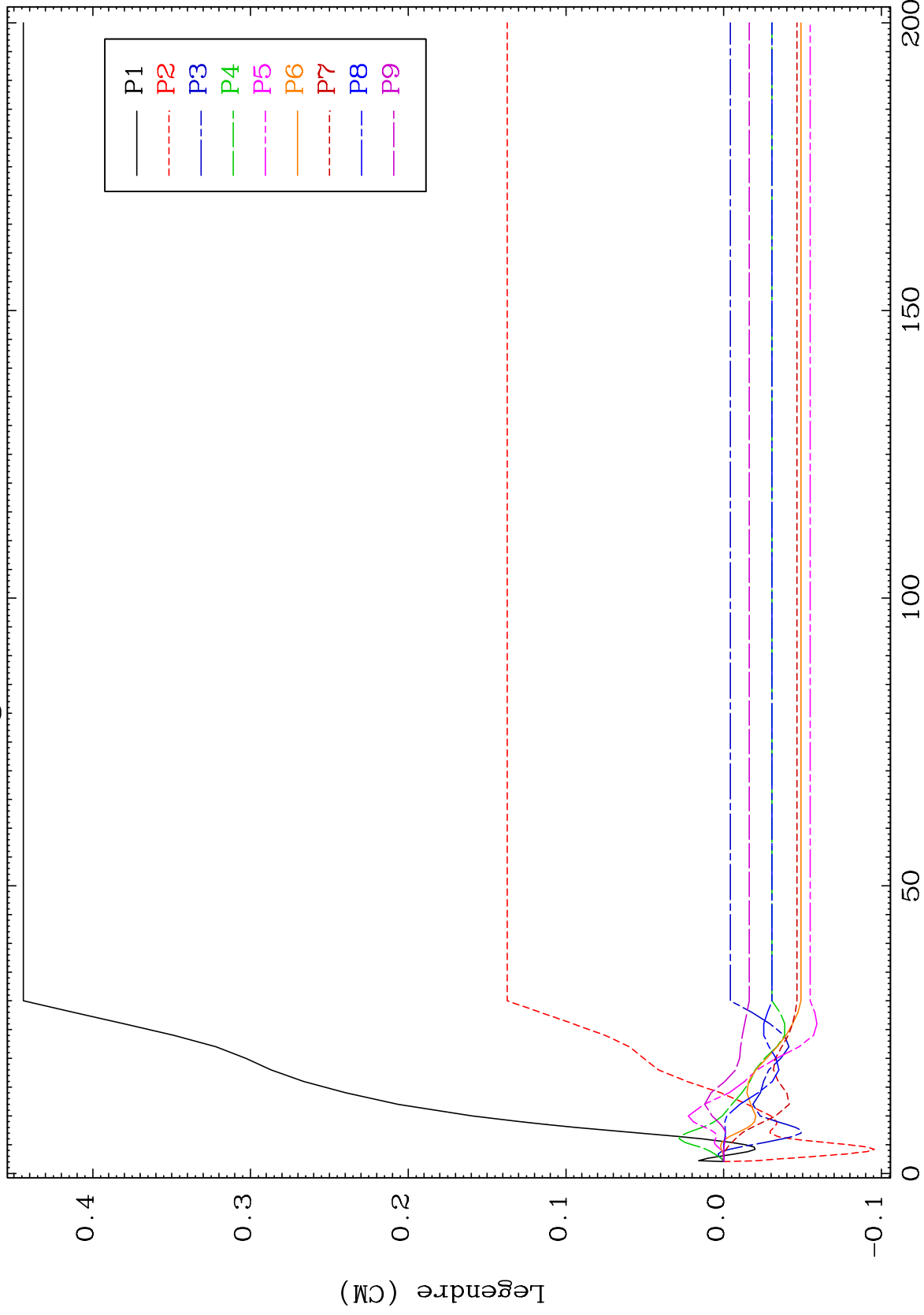
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

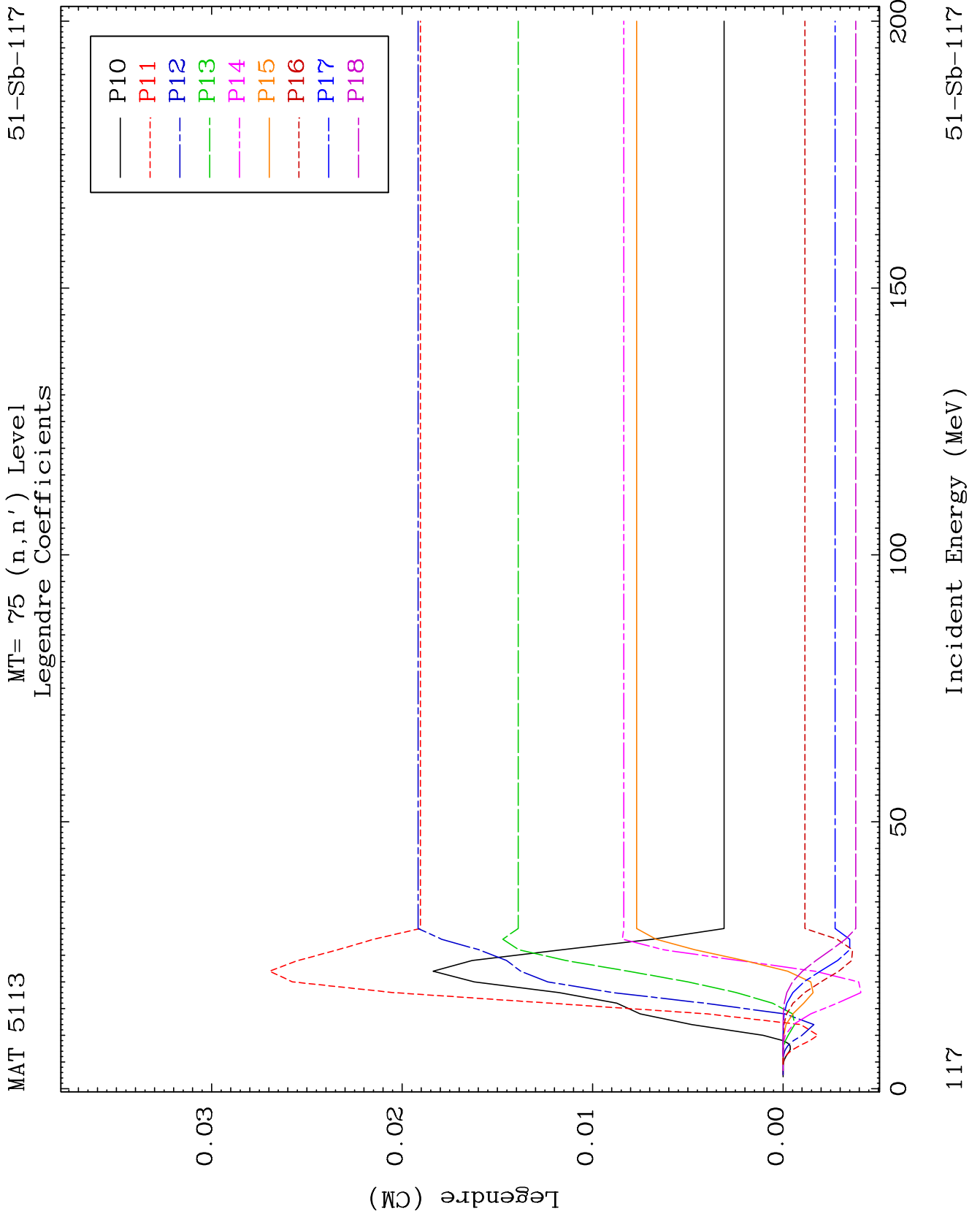
51-Sb-117



116

Incident Energy (MeV)

51-Sb-117

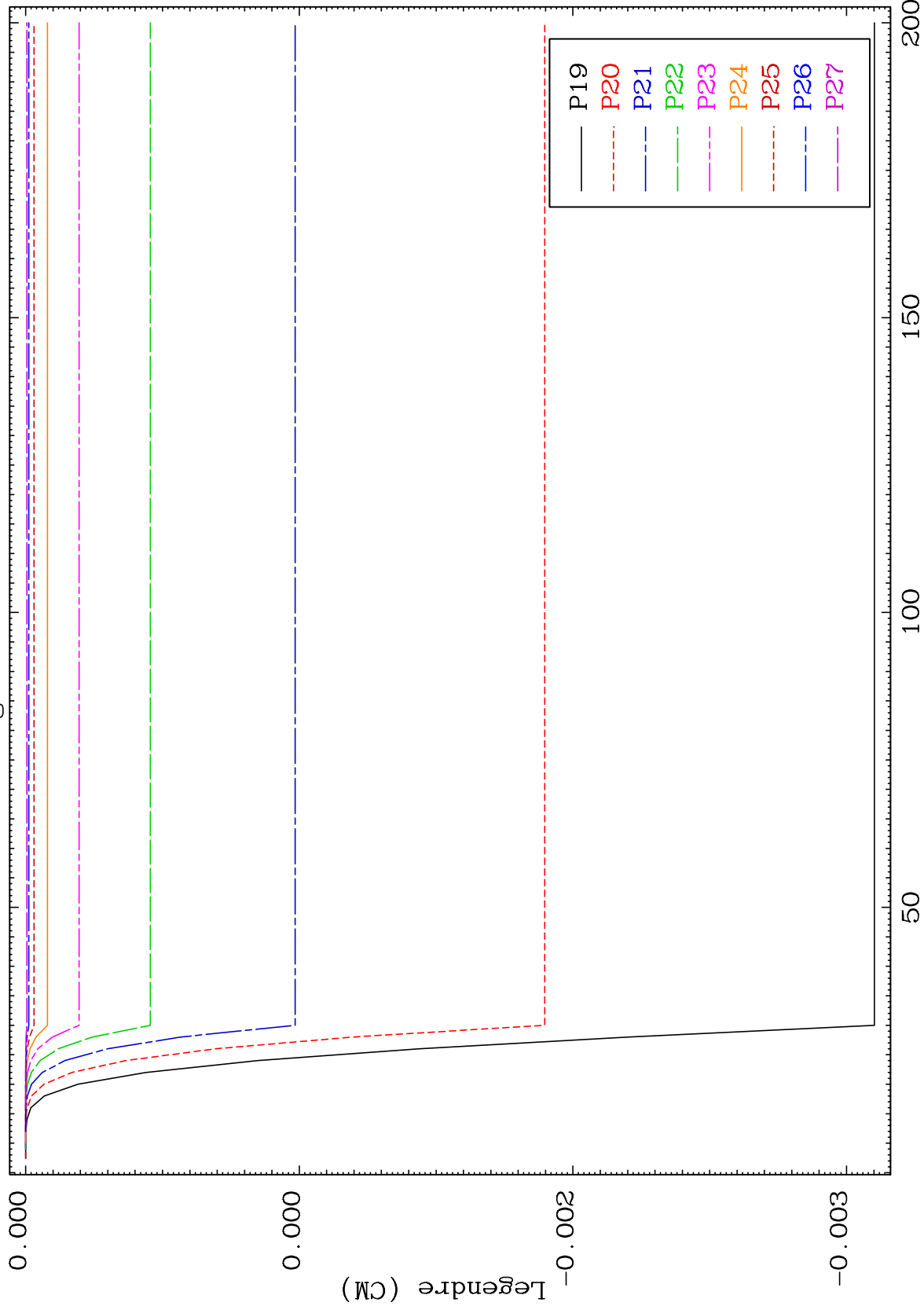


MAT 5113

MT= 75 (n,n') Level

51-Sb-117

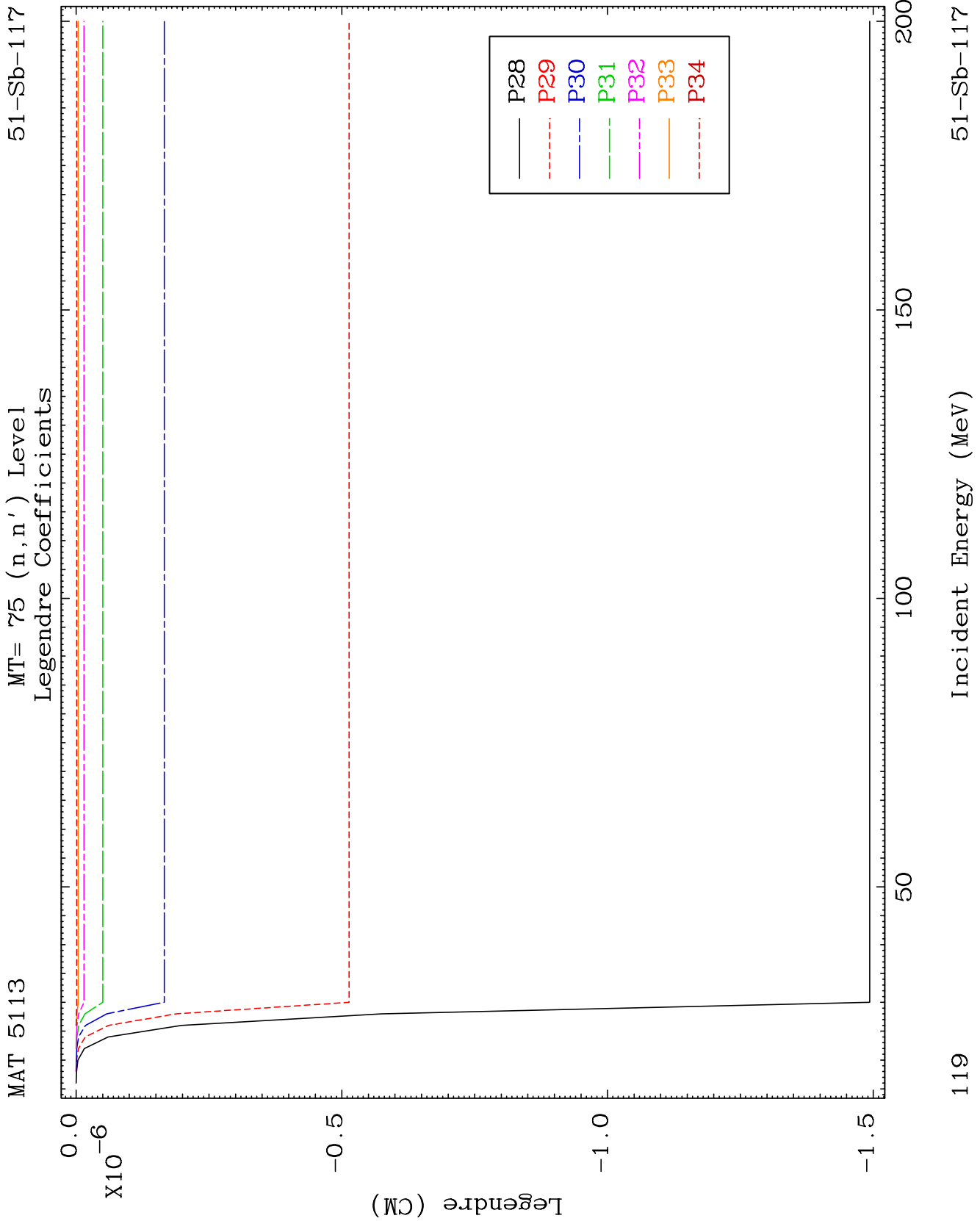
Legendre Coefficients

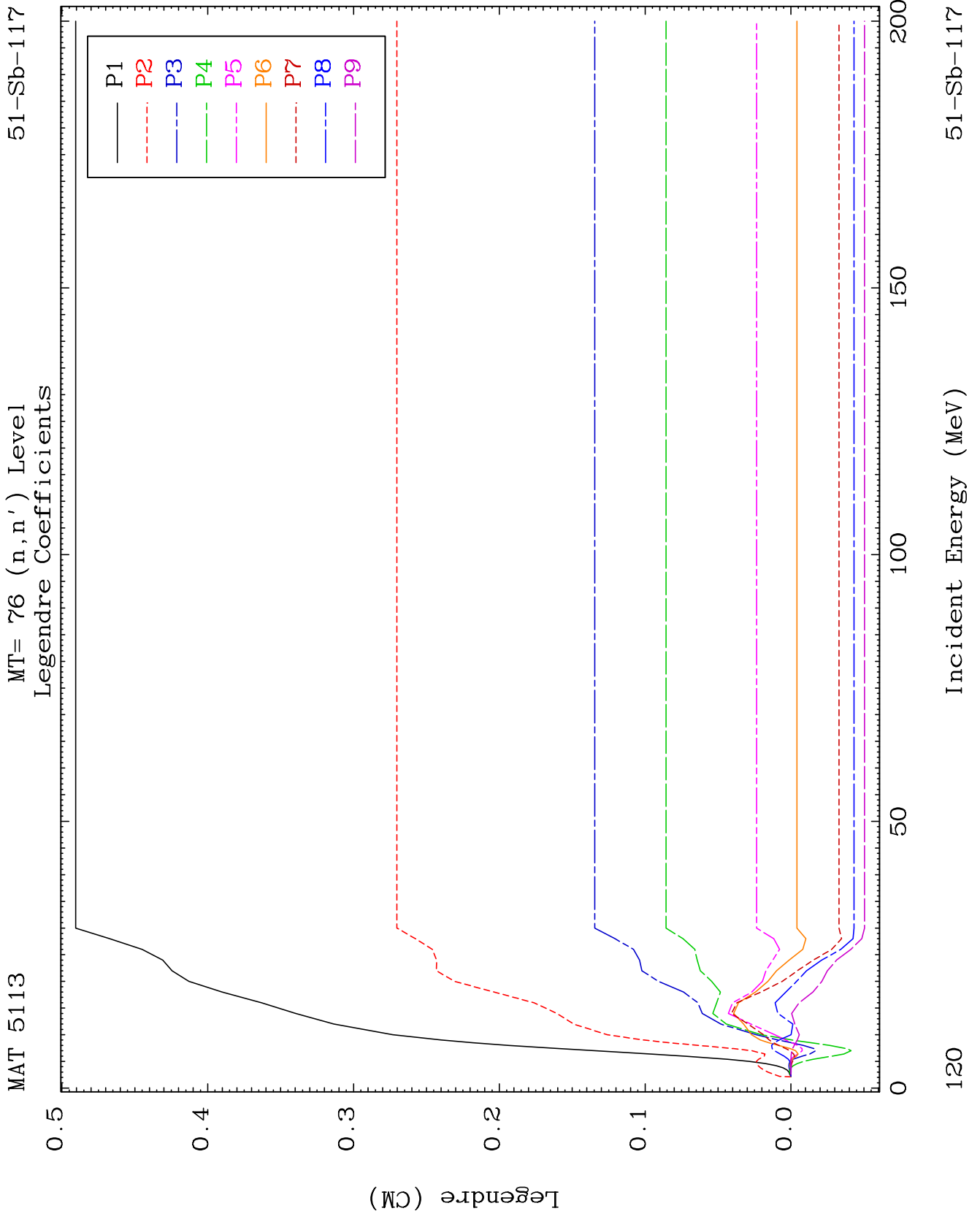


118

Incident Energy (MeV)

51-Sb-117

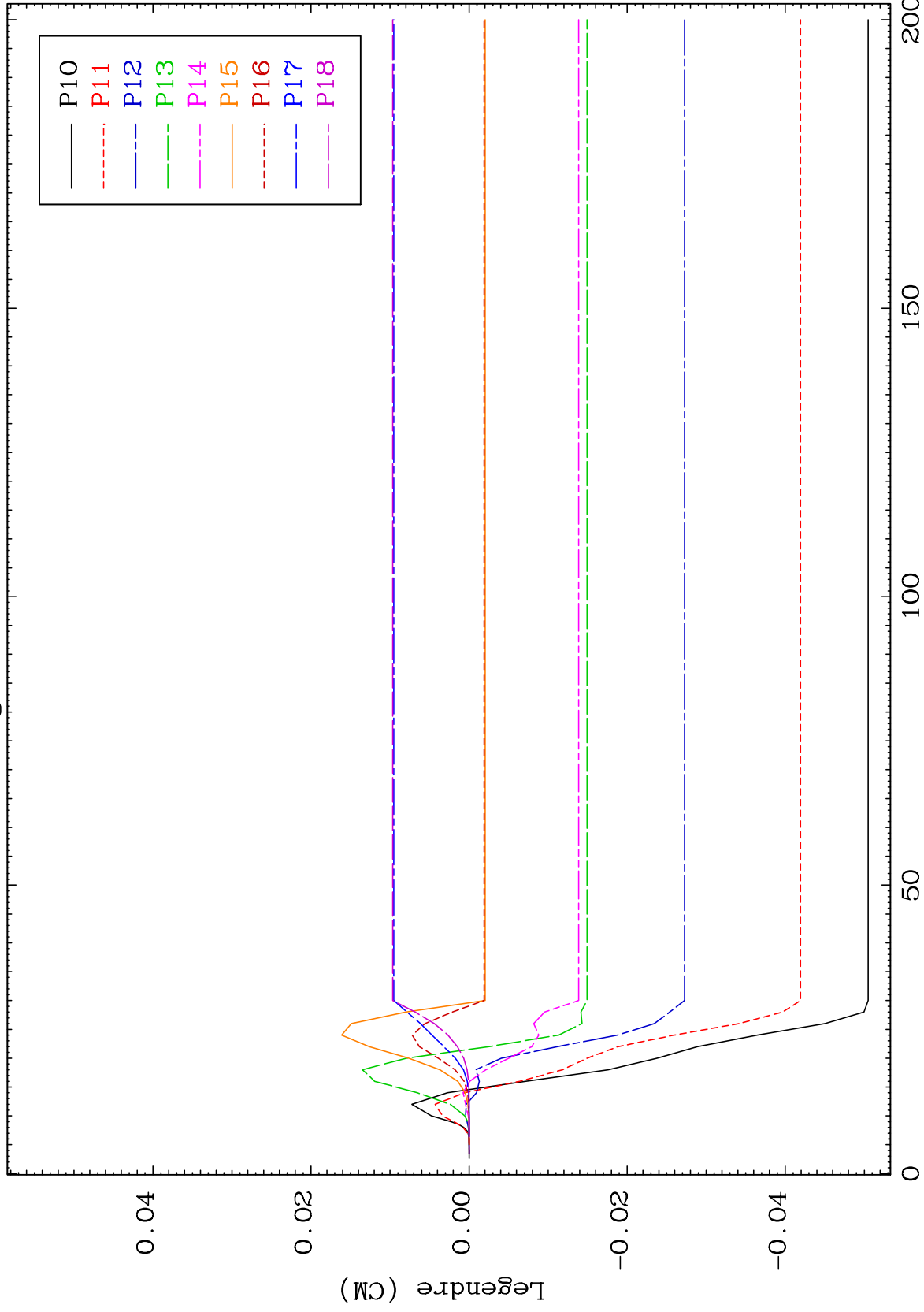




MAT 5113

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

51-Sb-117



121

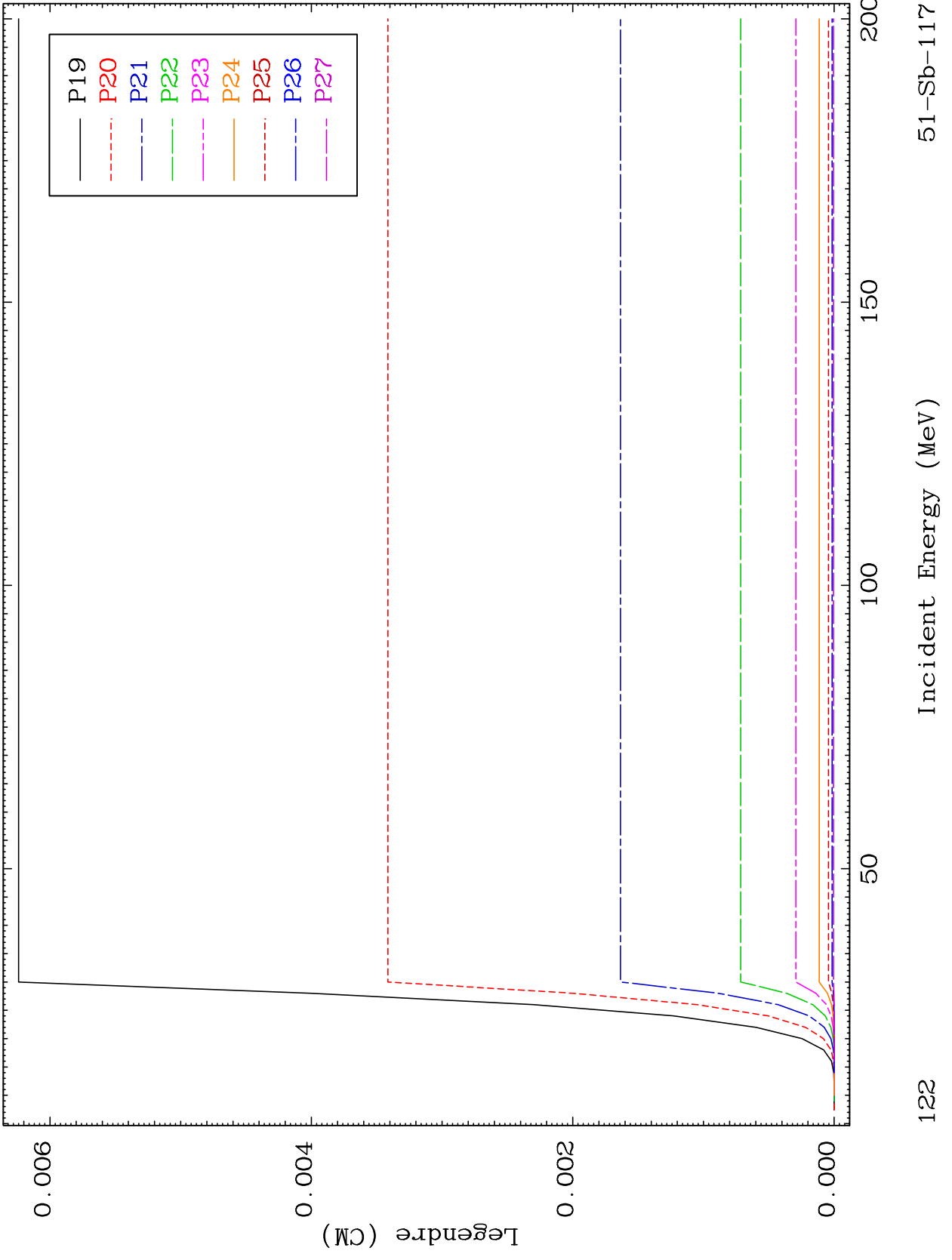
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



122

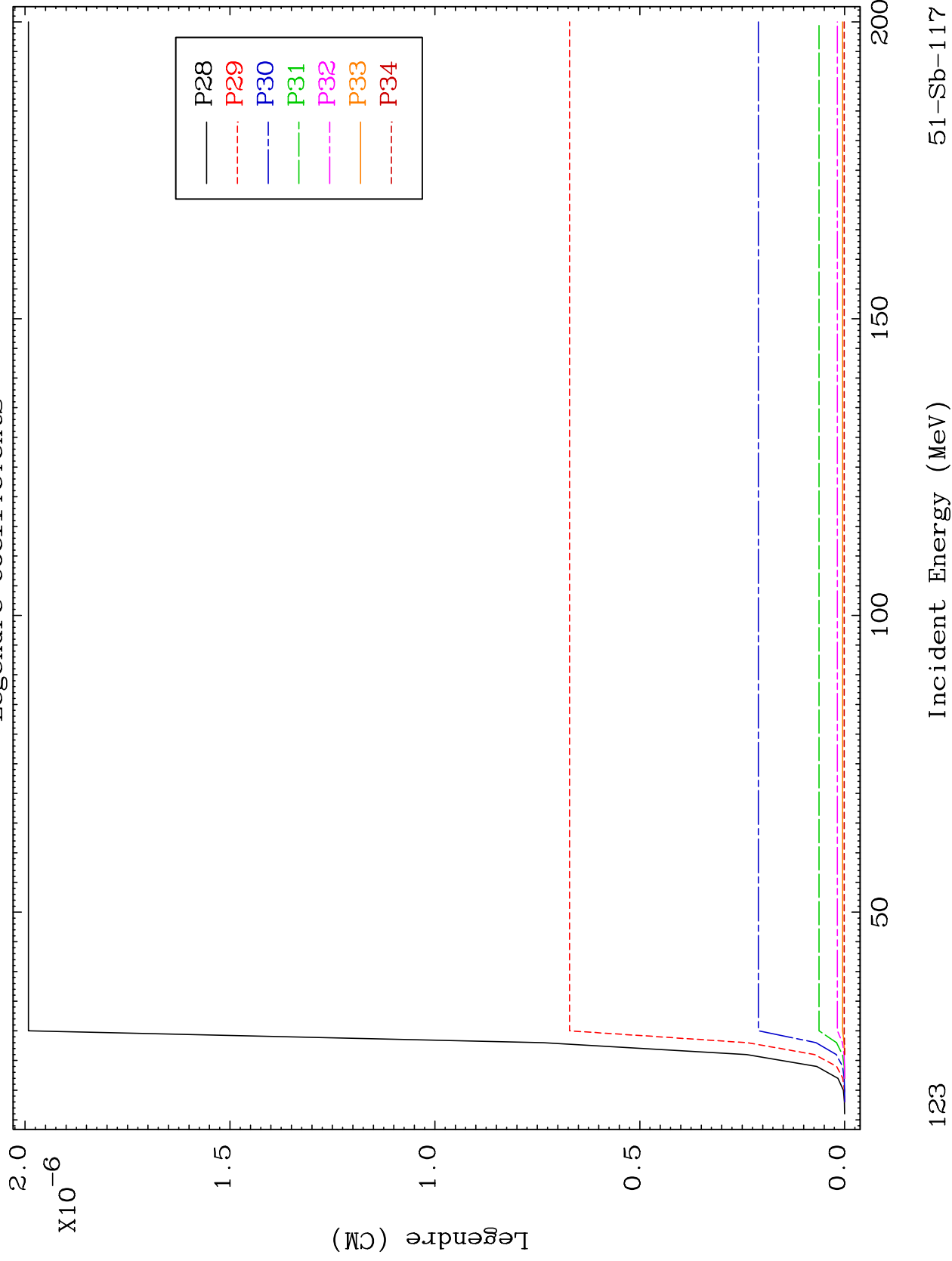
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



123

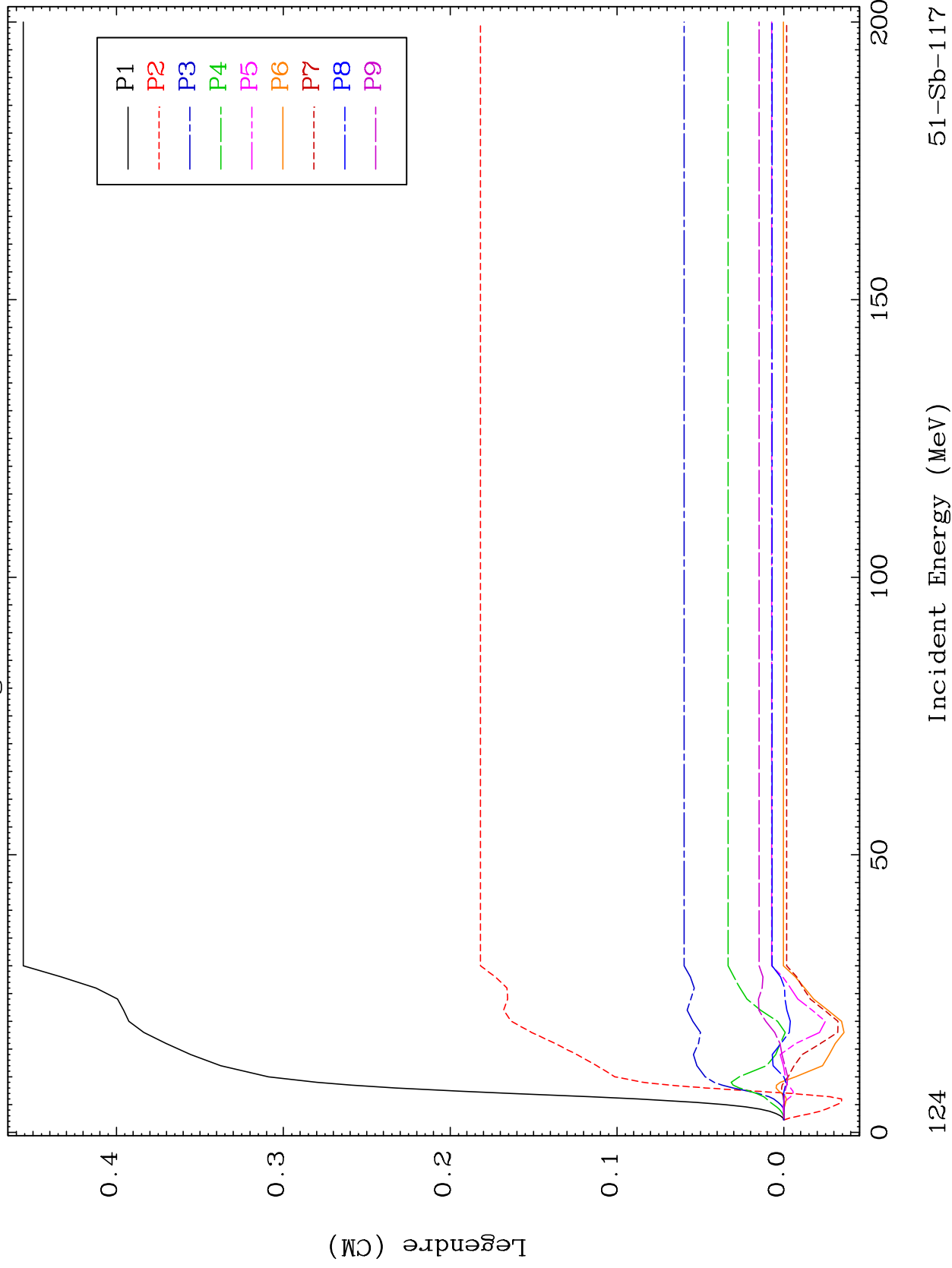
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



51-Sb-117

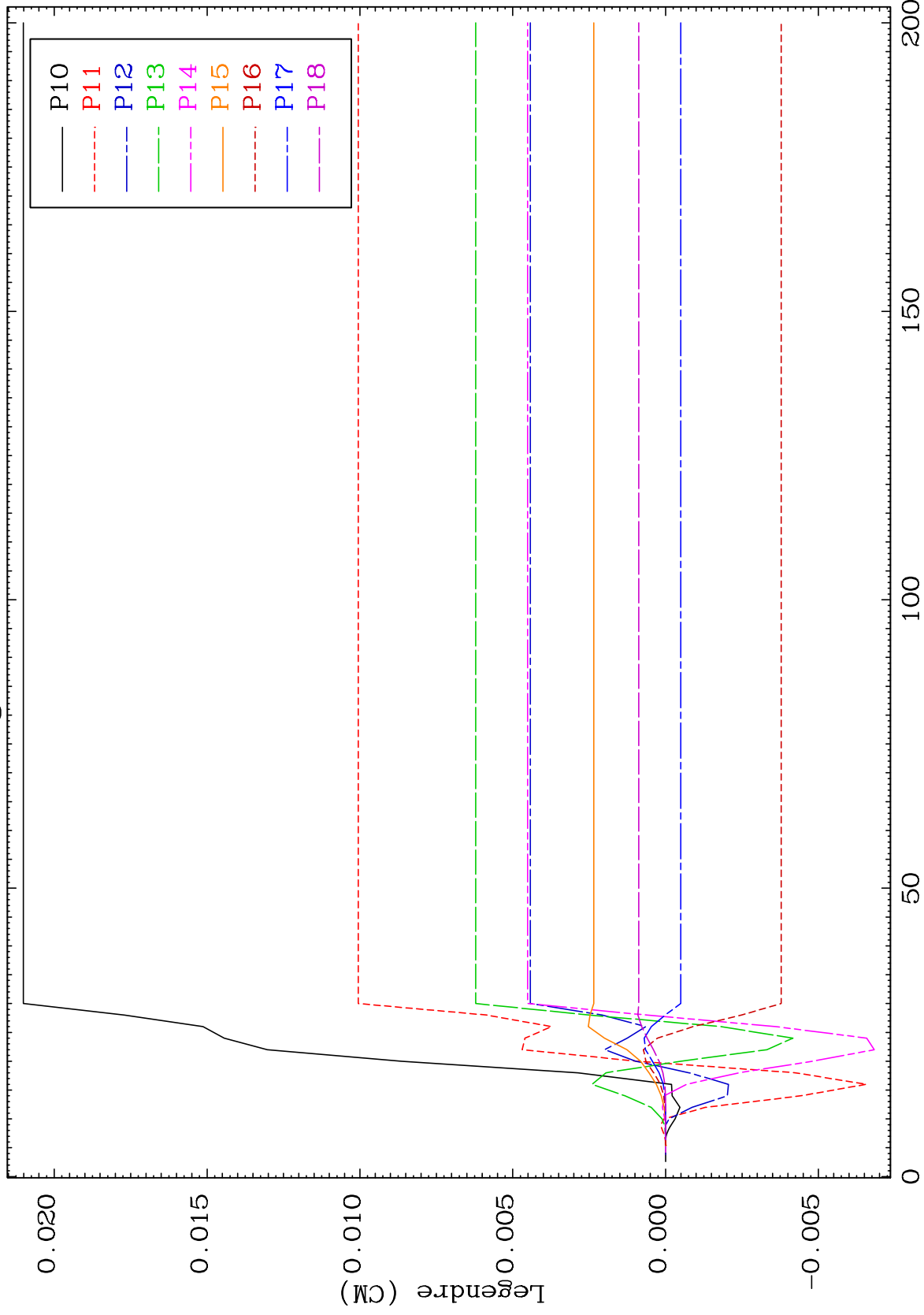
Incident Energy (MeV)

124

MAT 5113

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

51-Sb-117



51-Sb-117

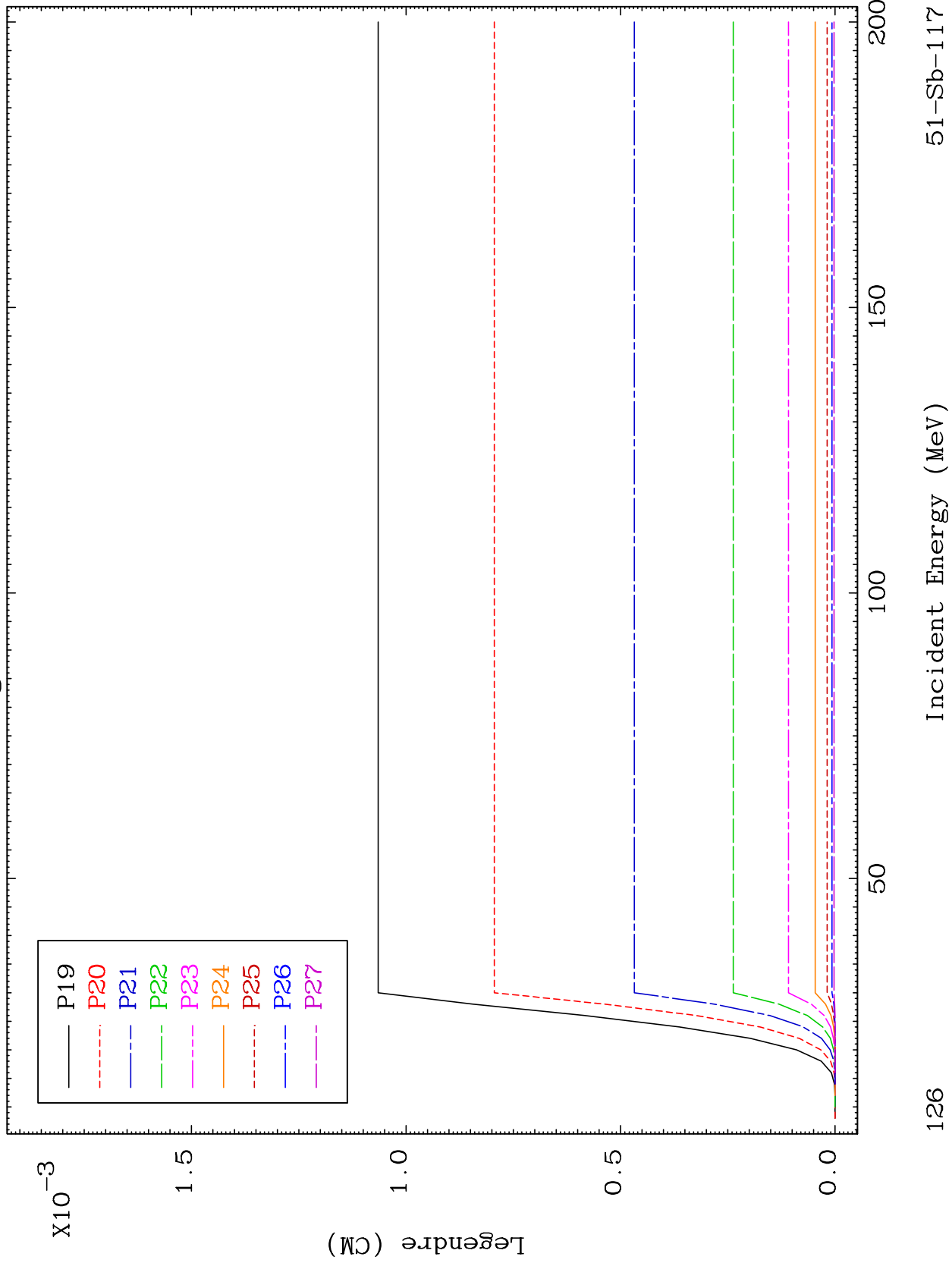
Incident Energy (MeV)

125

MAT 5113

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

51-Sb-117



126

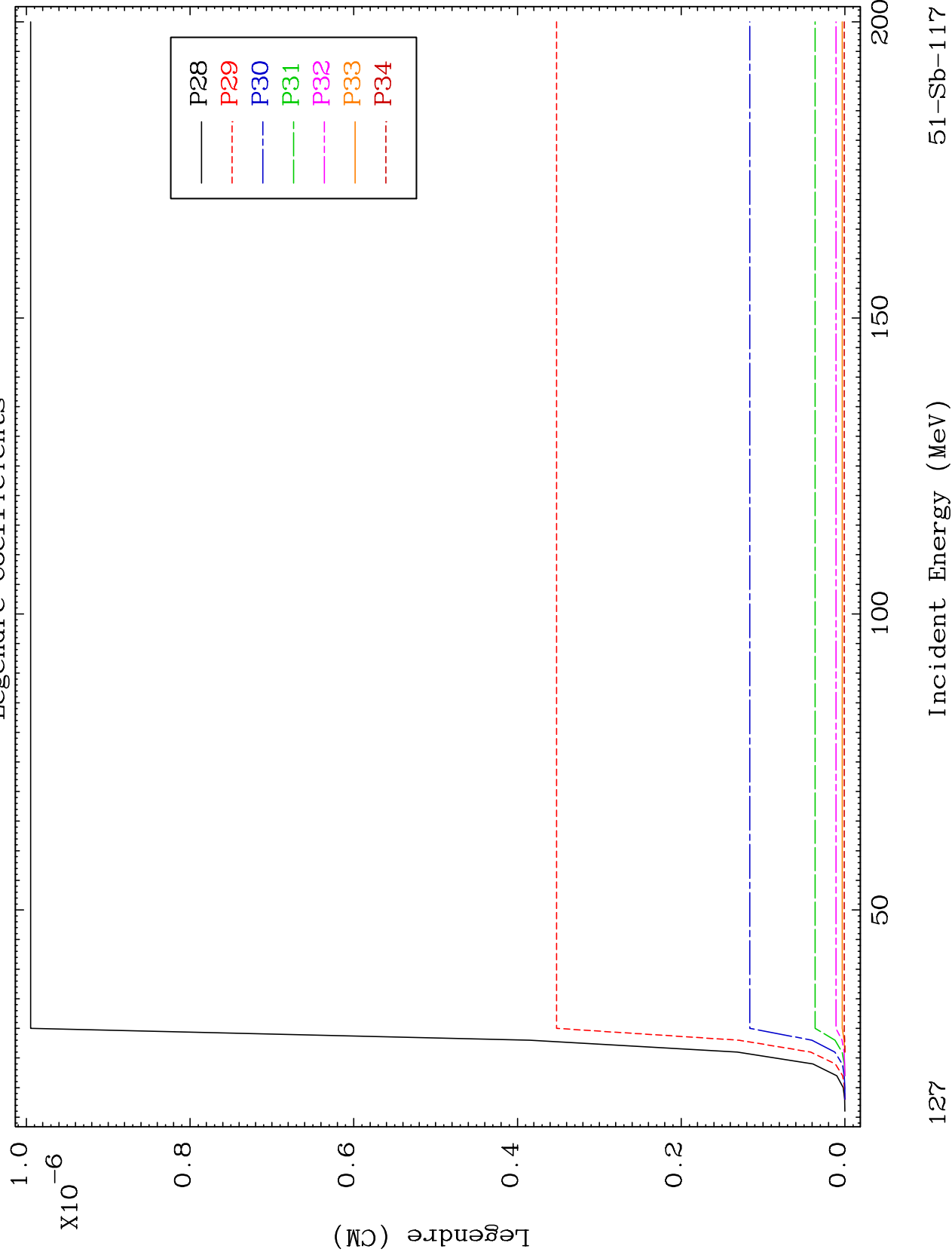
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117

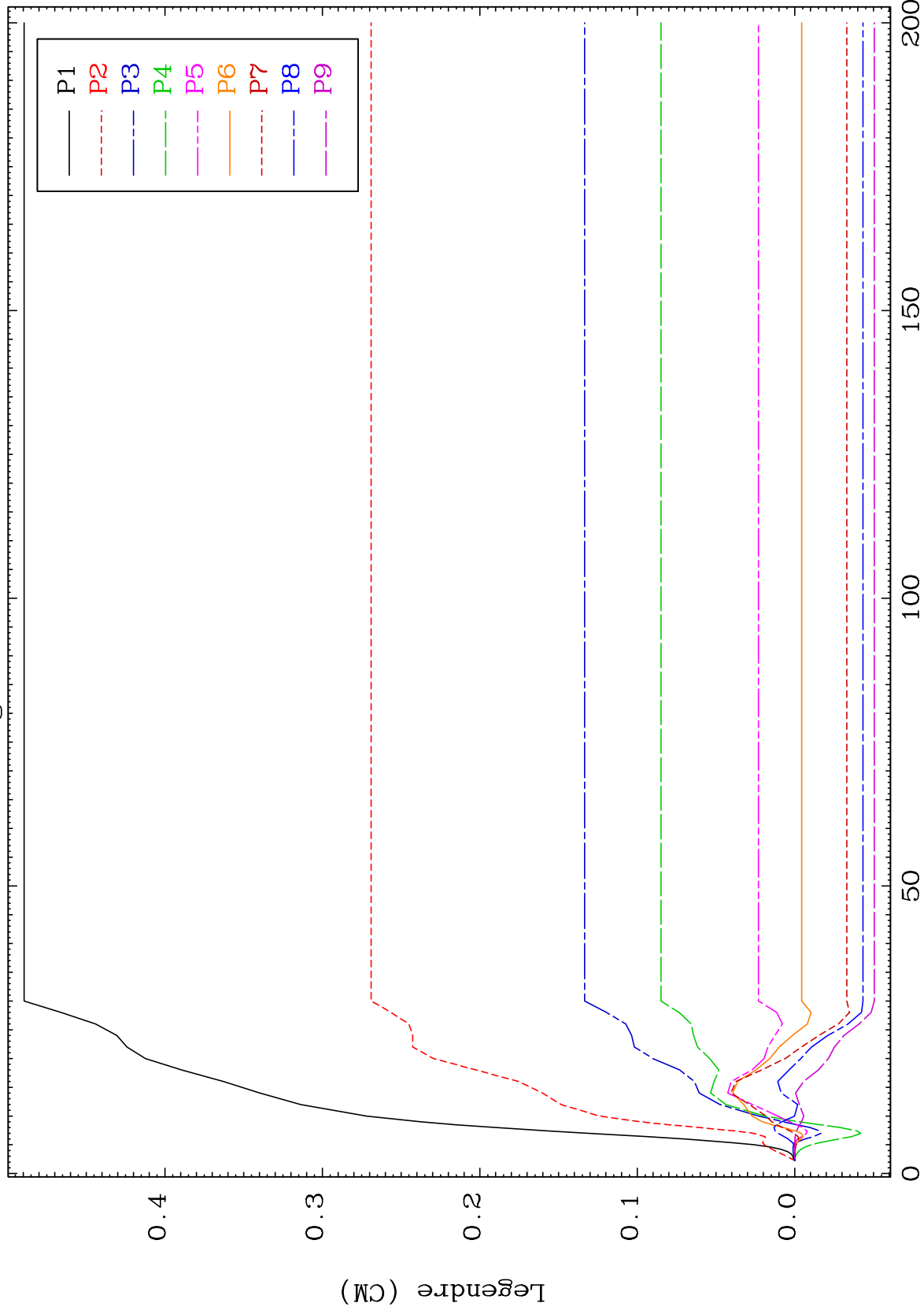


127

MAT 5113

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

51-Sb-117



51-Sb-117

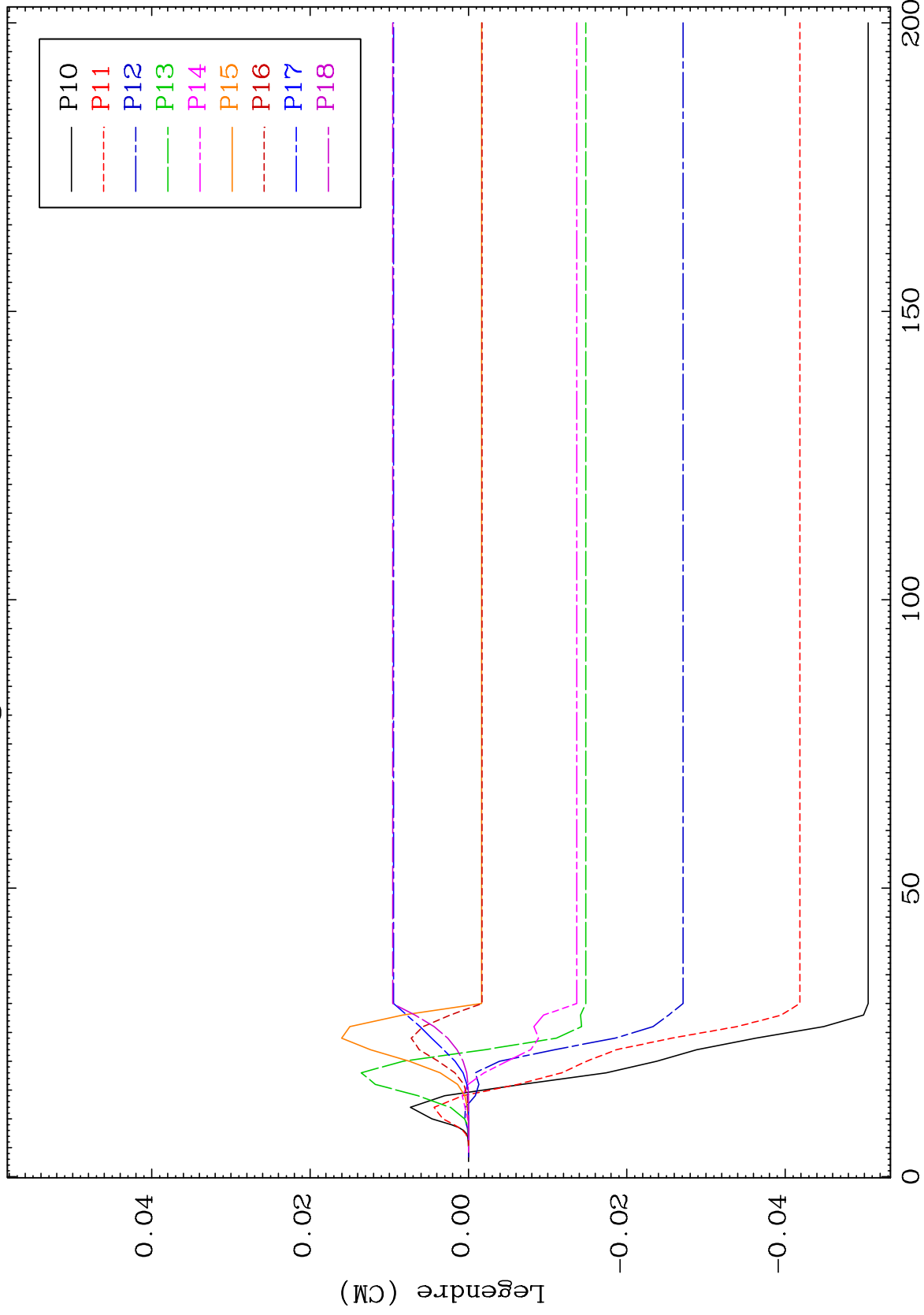
Incident Energy (MeV)

128

MAT 5113

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

51-Sb-117



129

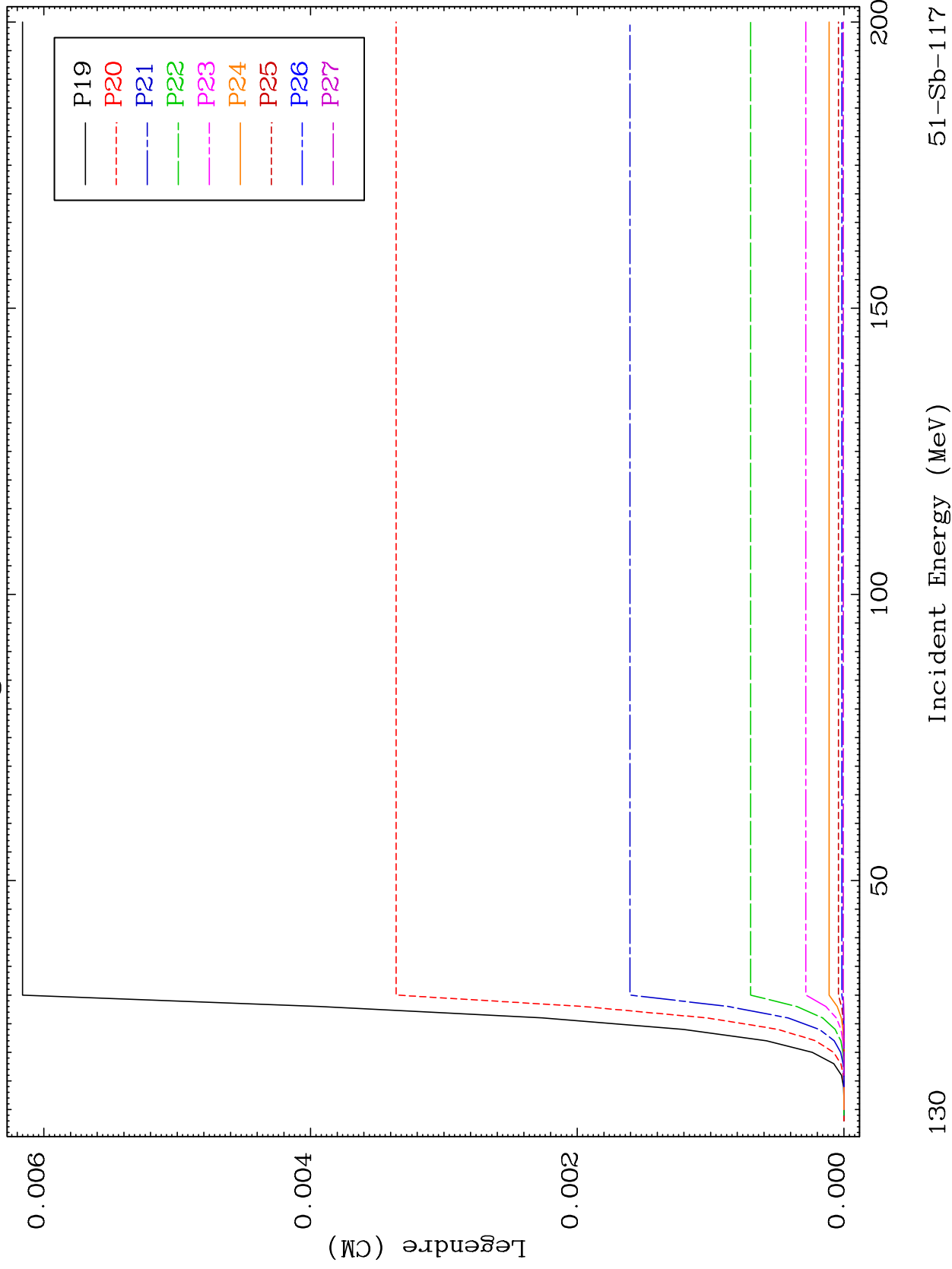
Incident Energy (MeV)

51-Sb-117

MAT 5113

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

51-Sb-117



51-Sb-117

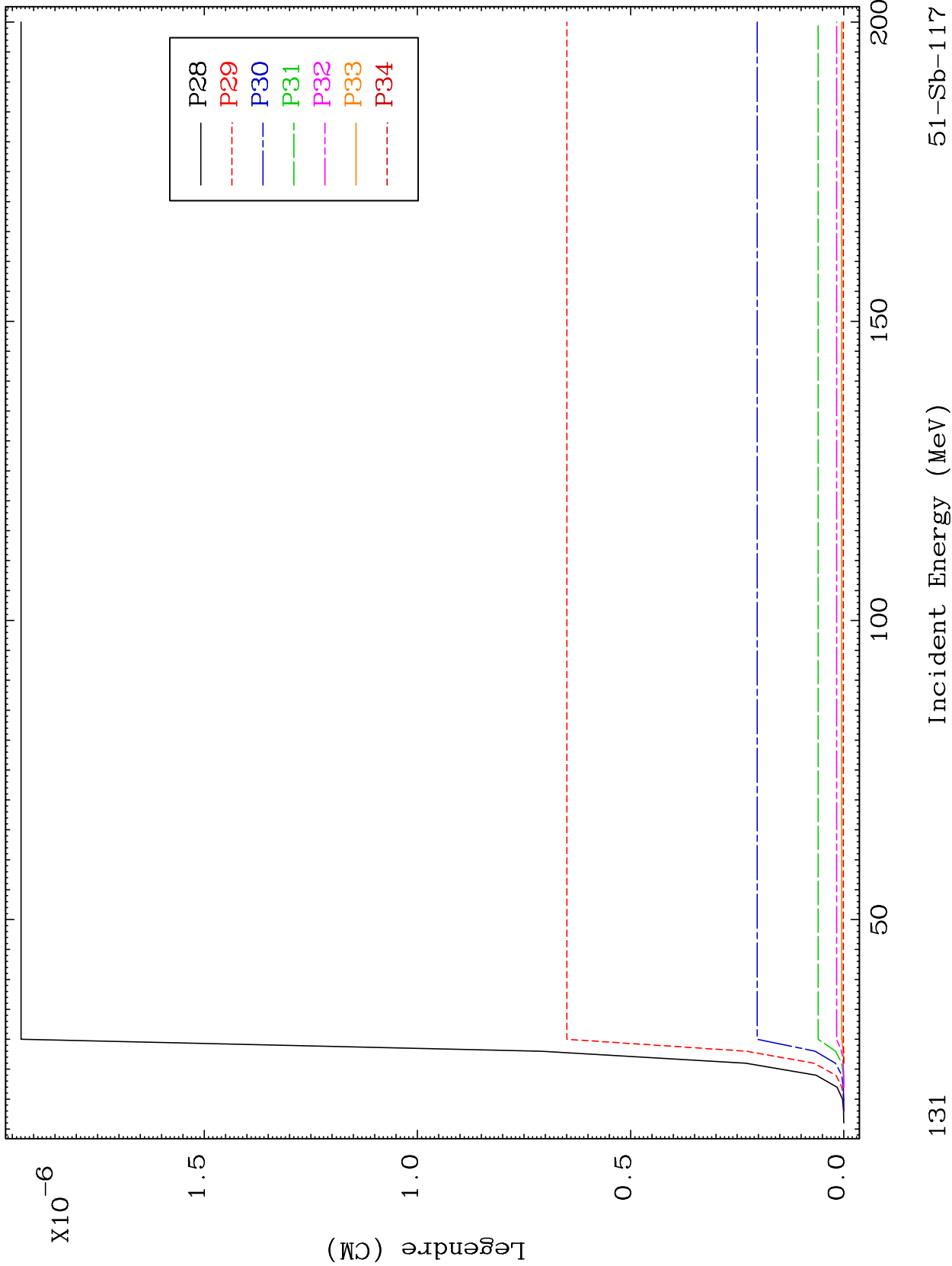
Incident Energy (MeV)

130

MAT 5113

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

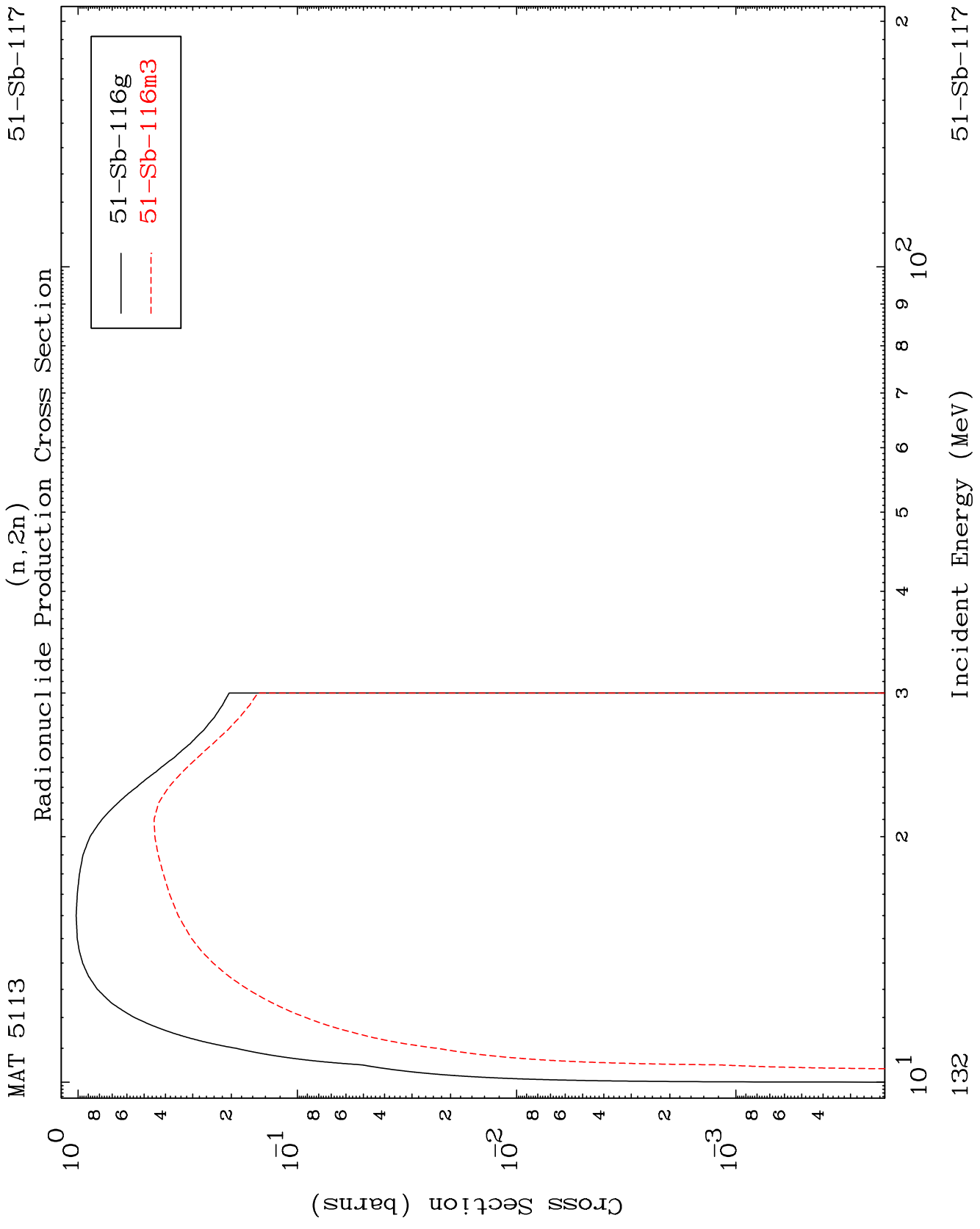
51-Sb-117



131

Incident Energy (MeV)

51-Sb-117

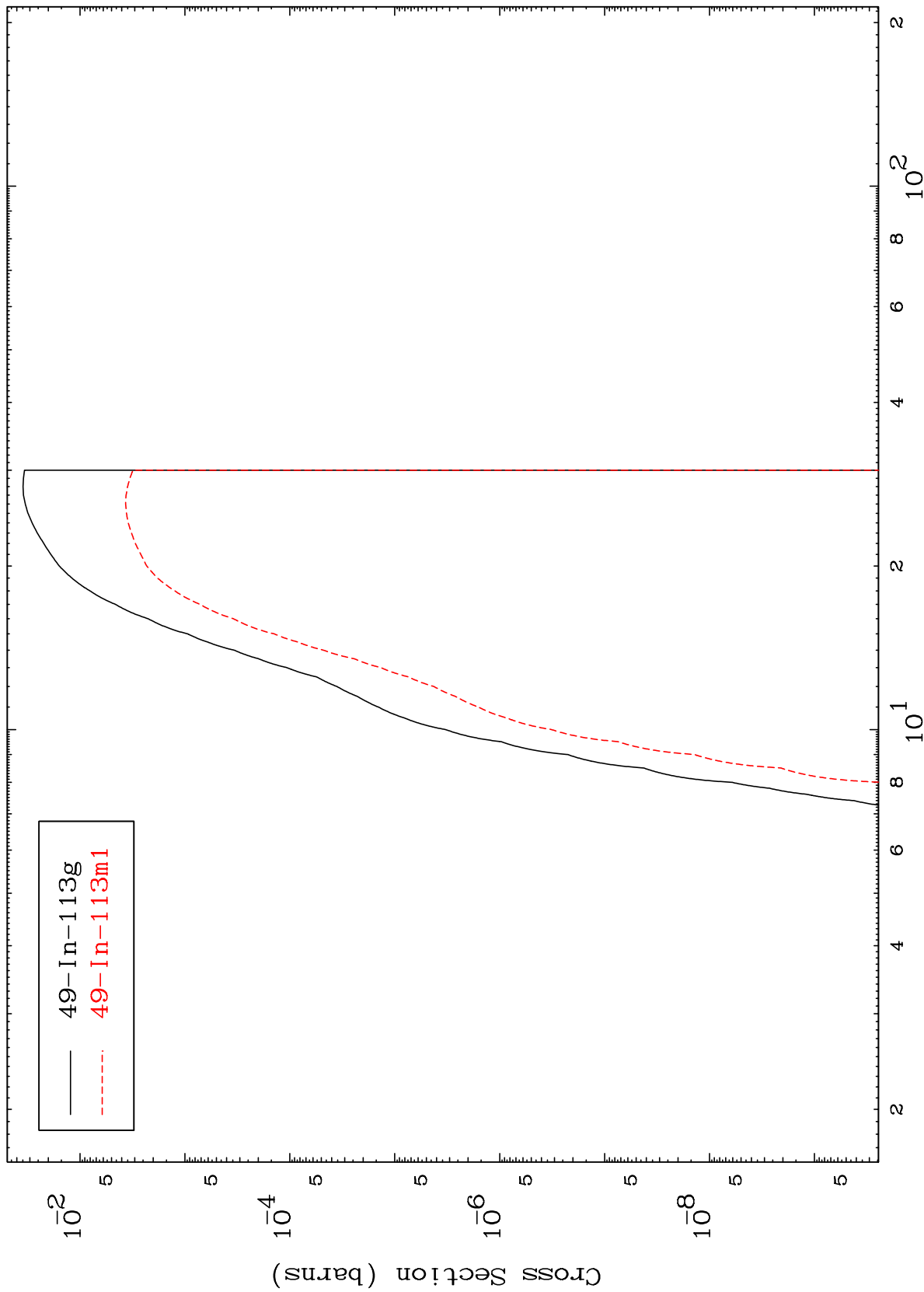


MAT 5113

(n,n')  $\alpha$

51-Sb-117

Radionuclide Production Cross Section



133

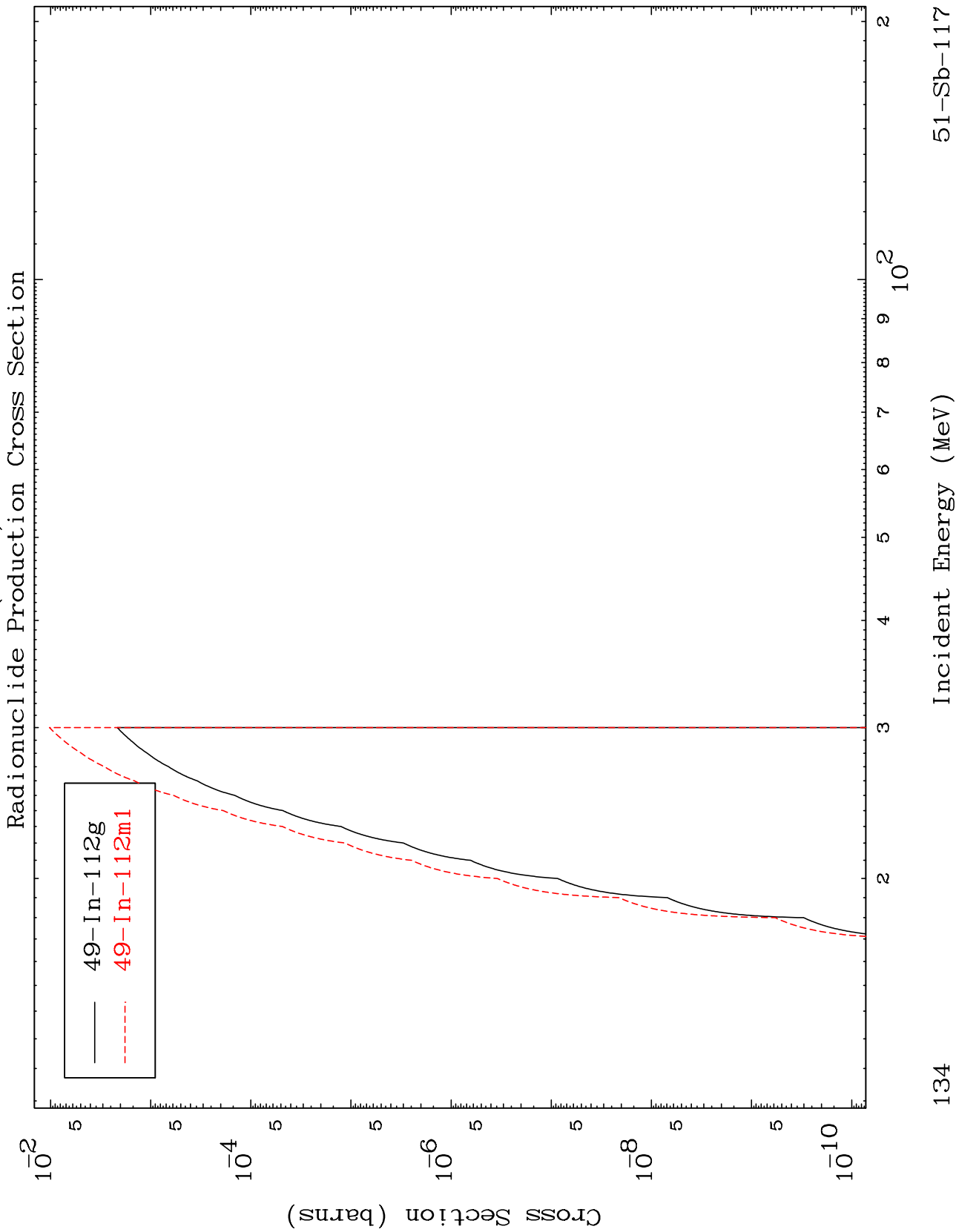
Incident Energy (MeV)

51-Sb-117

MAT 5113

(n,2n)  $\alpha$

51-Sb-117



134

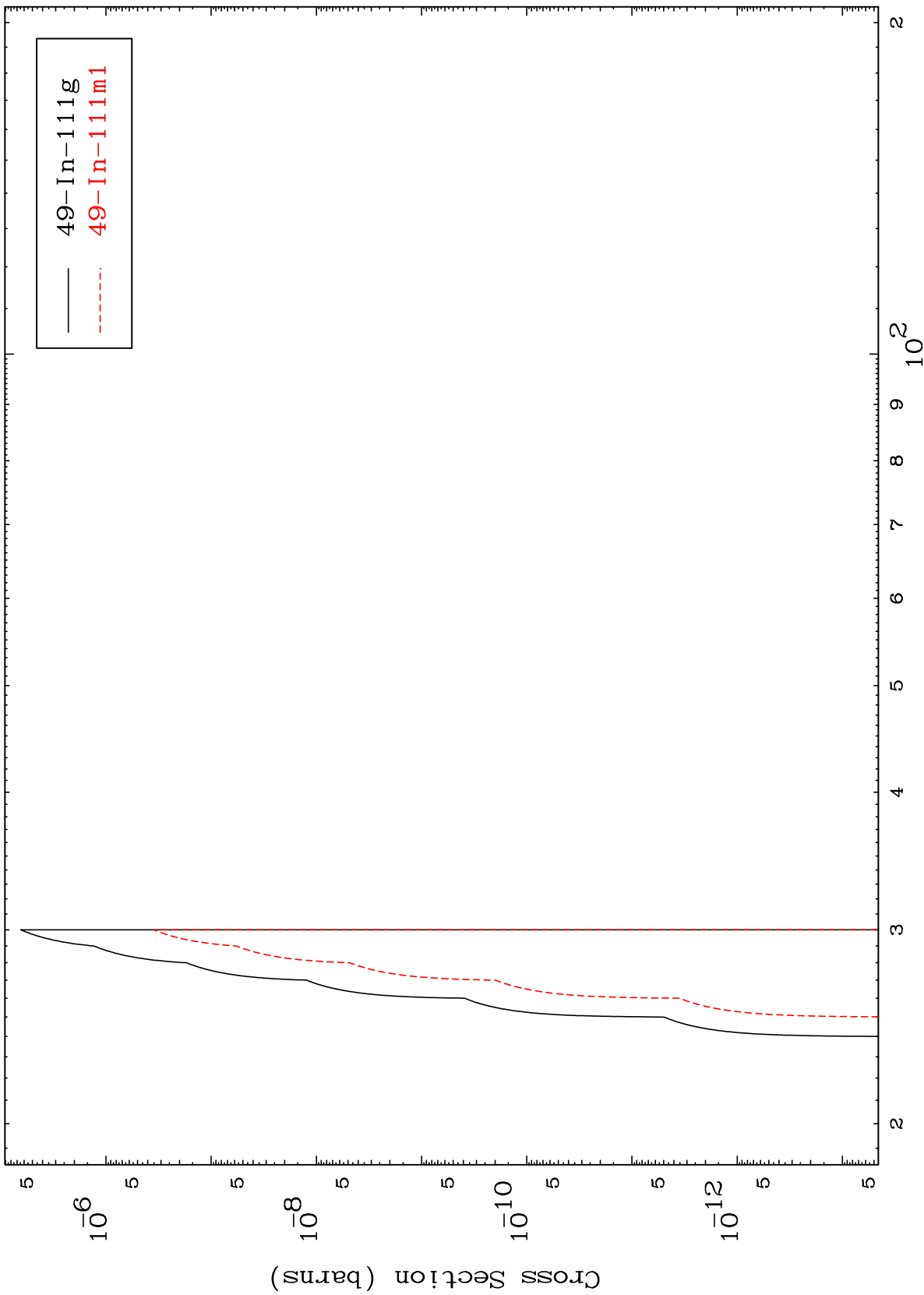
51-Sb-117

MAT 5113

(n,3n)  $\alpha$

51-Sb-117

Radionuclide Production Cross Section



135

Incident Energy (MeV)

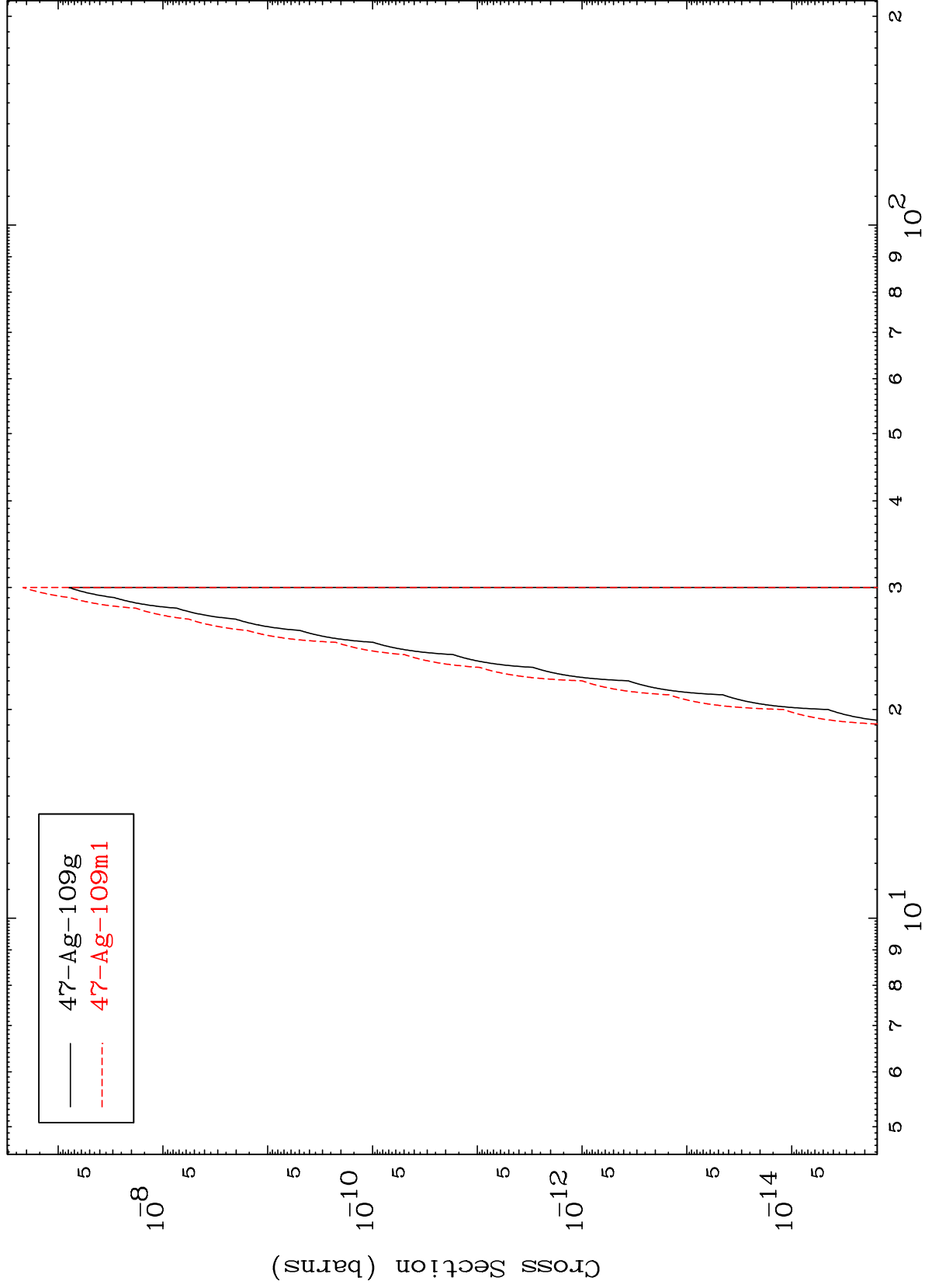
51-Sb-117

MAT 5113

(n,n') 2α

51-Sb-117

Radionuclide Production Cross Section



136

Incident Energy (MeV)

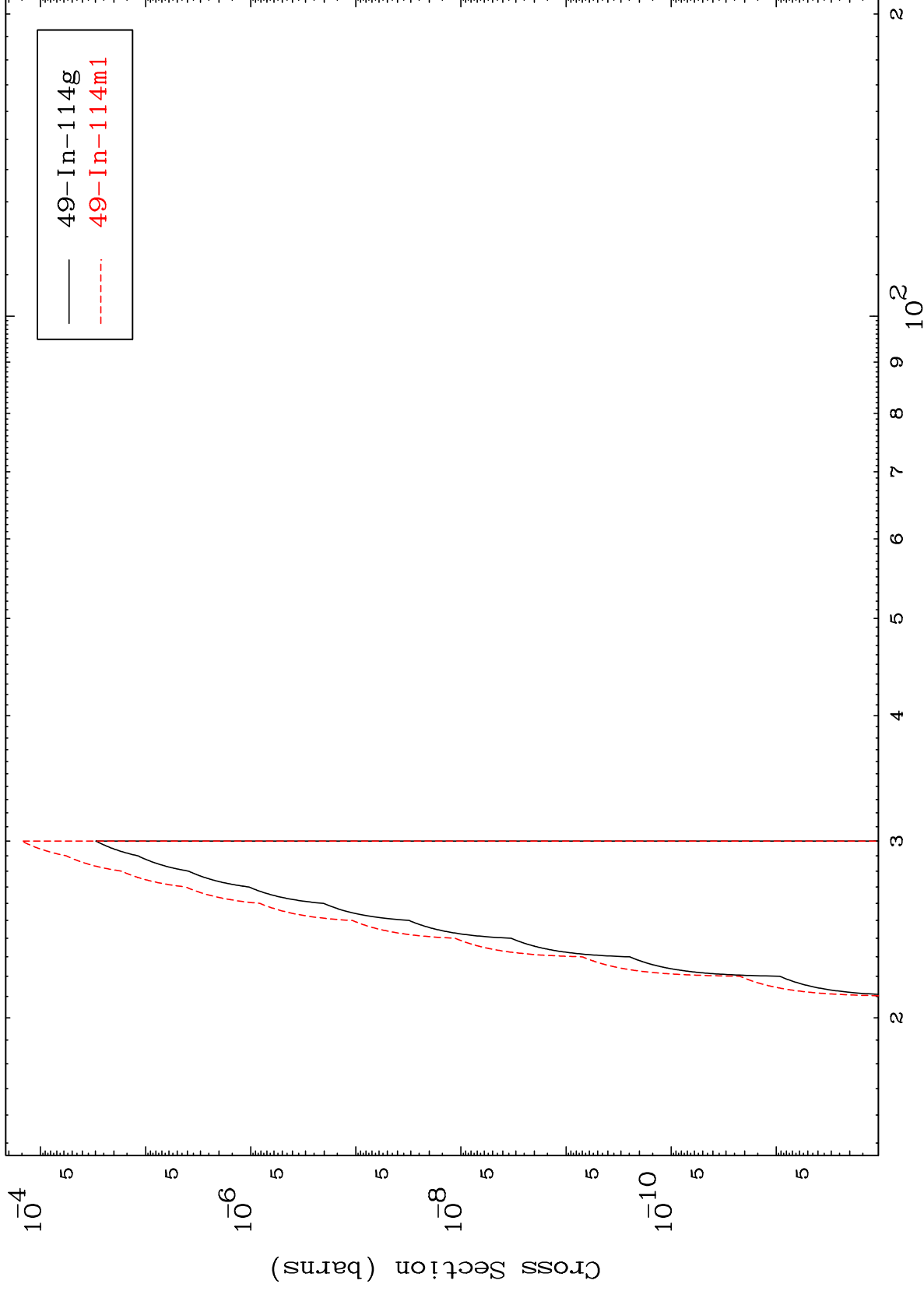
51-Sb-117

MAT 5113

(n,n') He-3

51-Sb-117

Radionuclide Production Cross Section



137

Incident Energy (MeV)

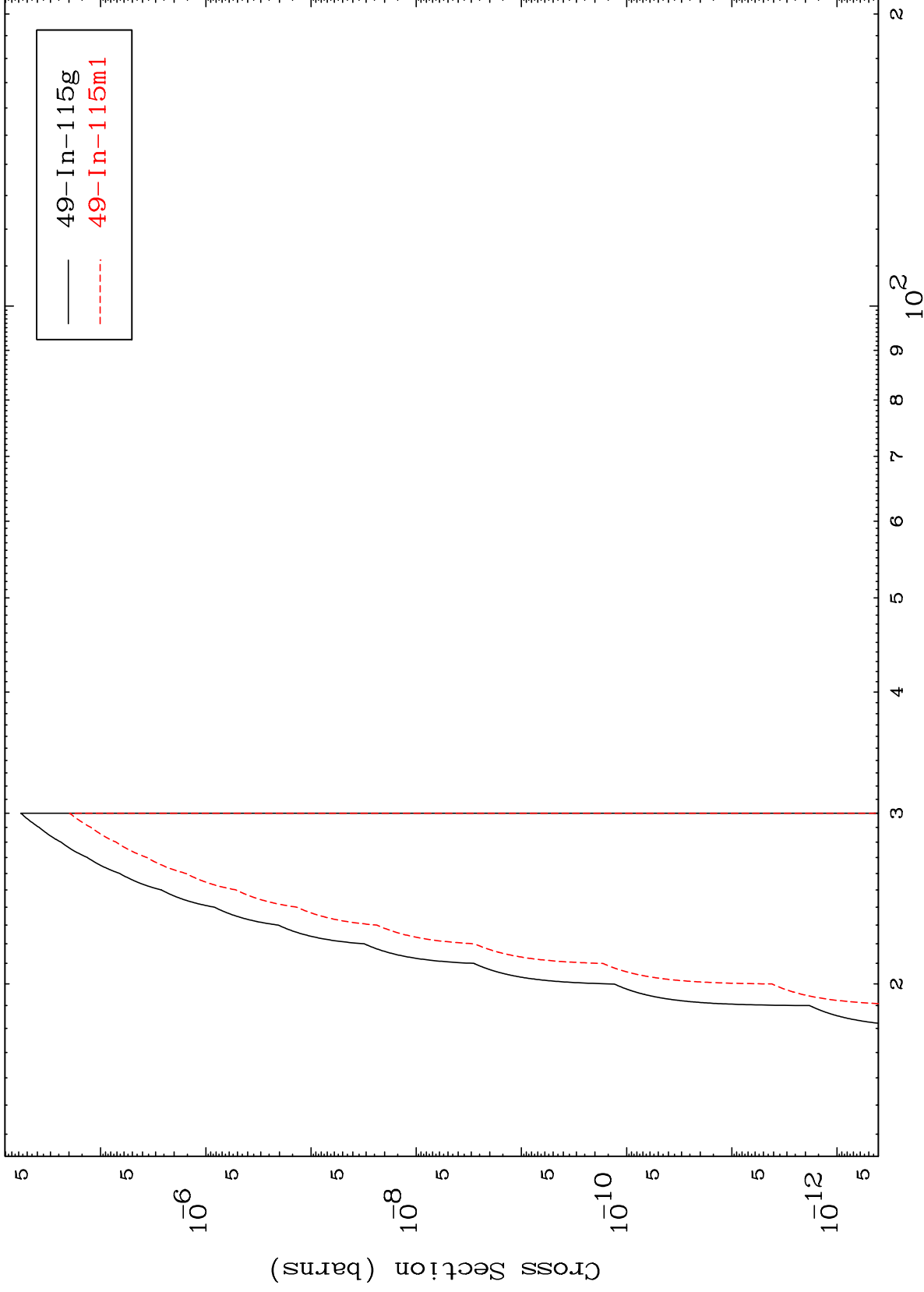
51-Sb-117

MAT 5113

(n,2n) p

51-Sb-117

Radionuclide Production Cross Section



138

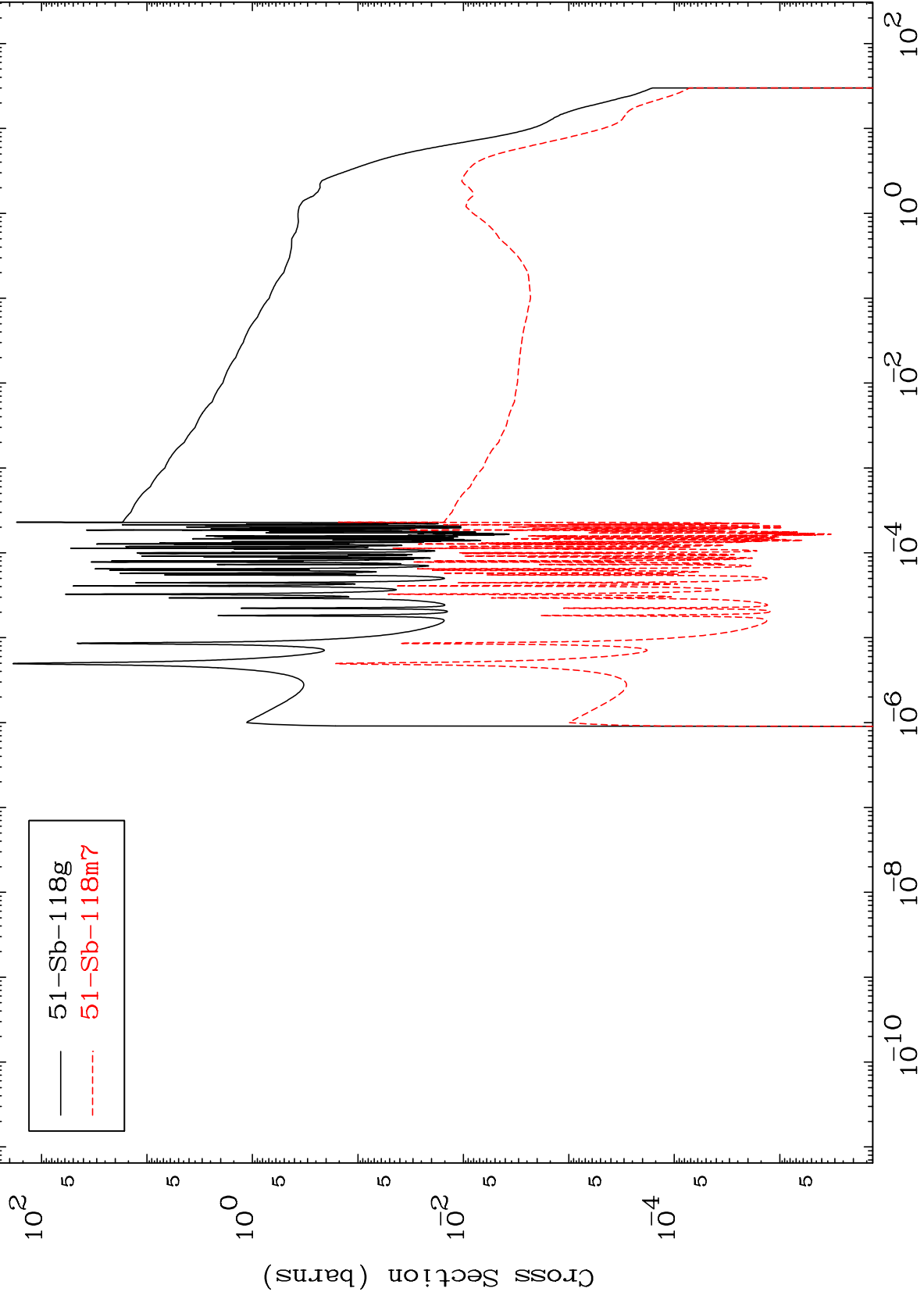
Incident Energy (MeV)

51-Sb-117

MAT 5113

51-Sb-117

(n,  $\gamma$ )  
Radionuclide Production Cross Section



51-Sb-117

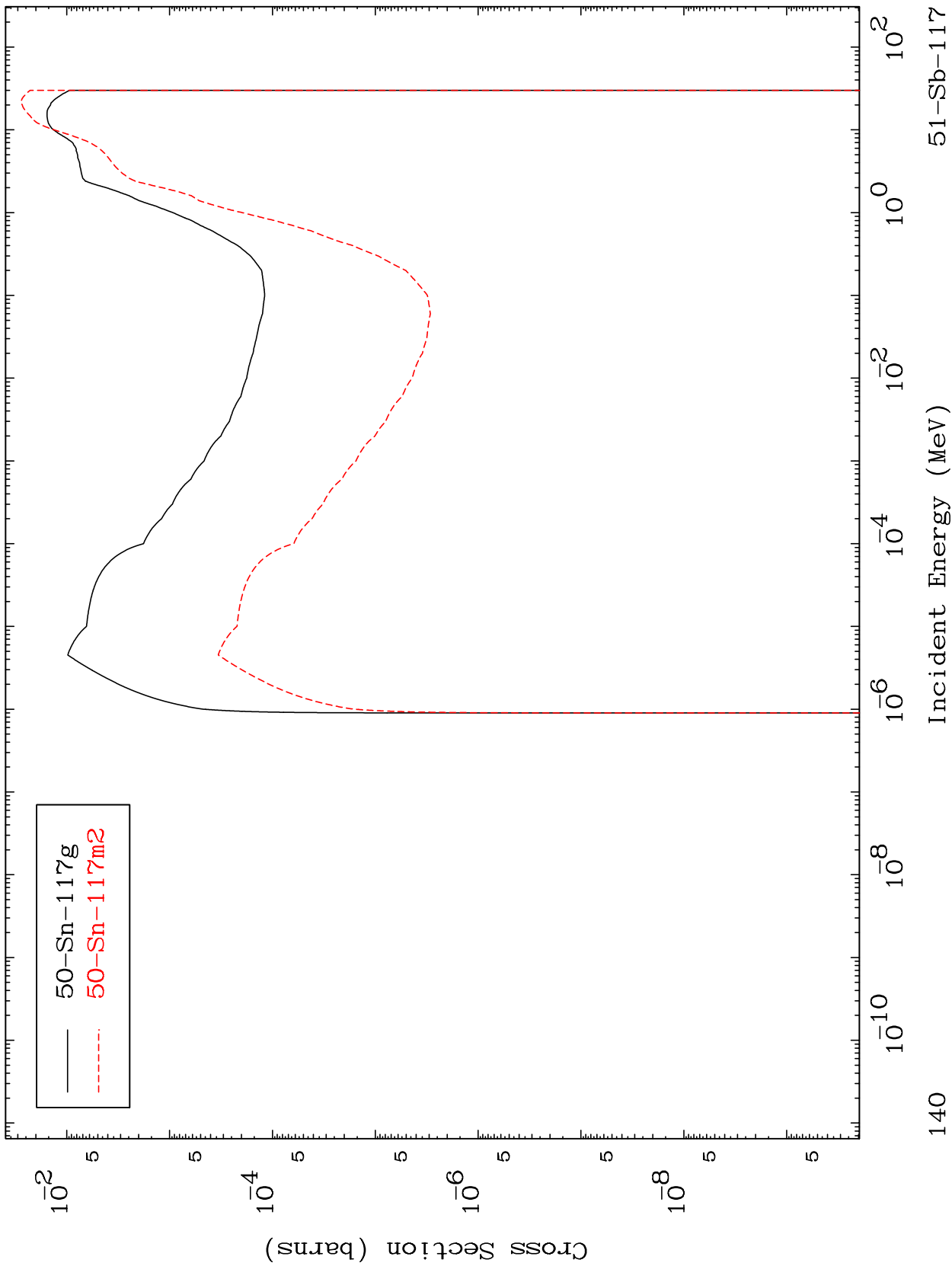
Incident Energy (MeV)

139

MAT 5113

51-Sb-117

(n,p)  
Radionuclide Production Cross Section



140

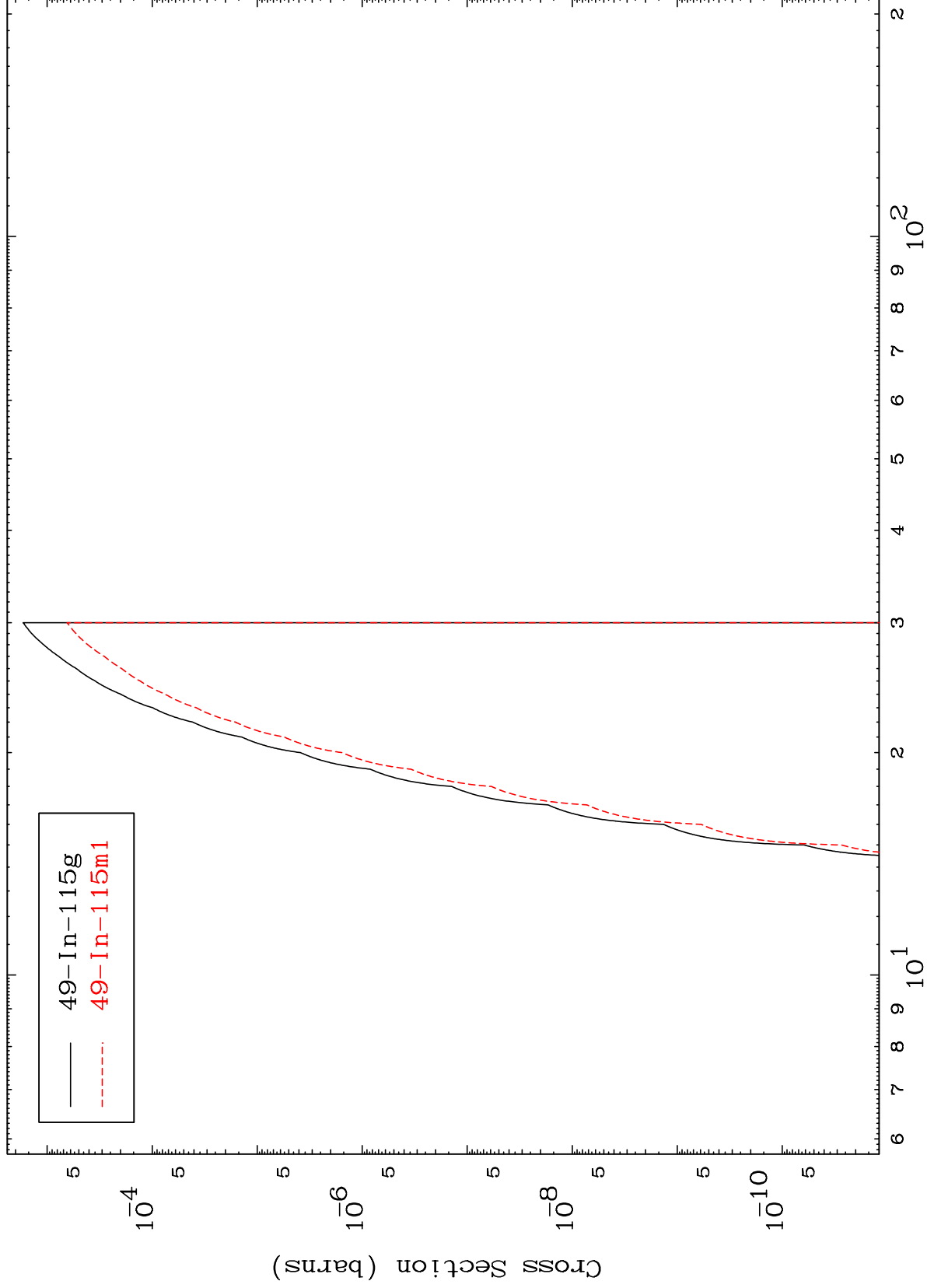
51-Sb-117

MAT 5113

(n,He-3)

51-Sb-117

Radionuclide Production Cross Section



141

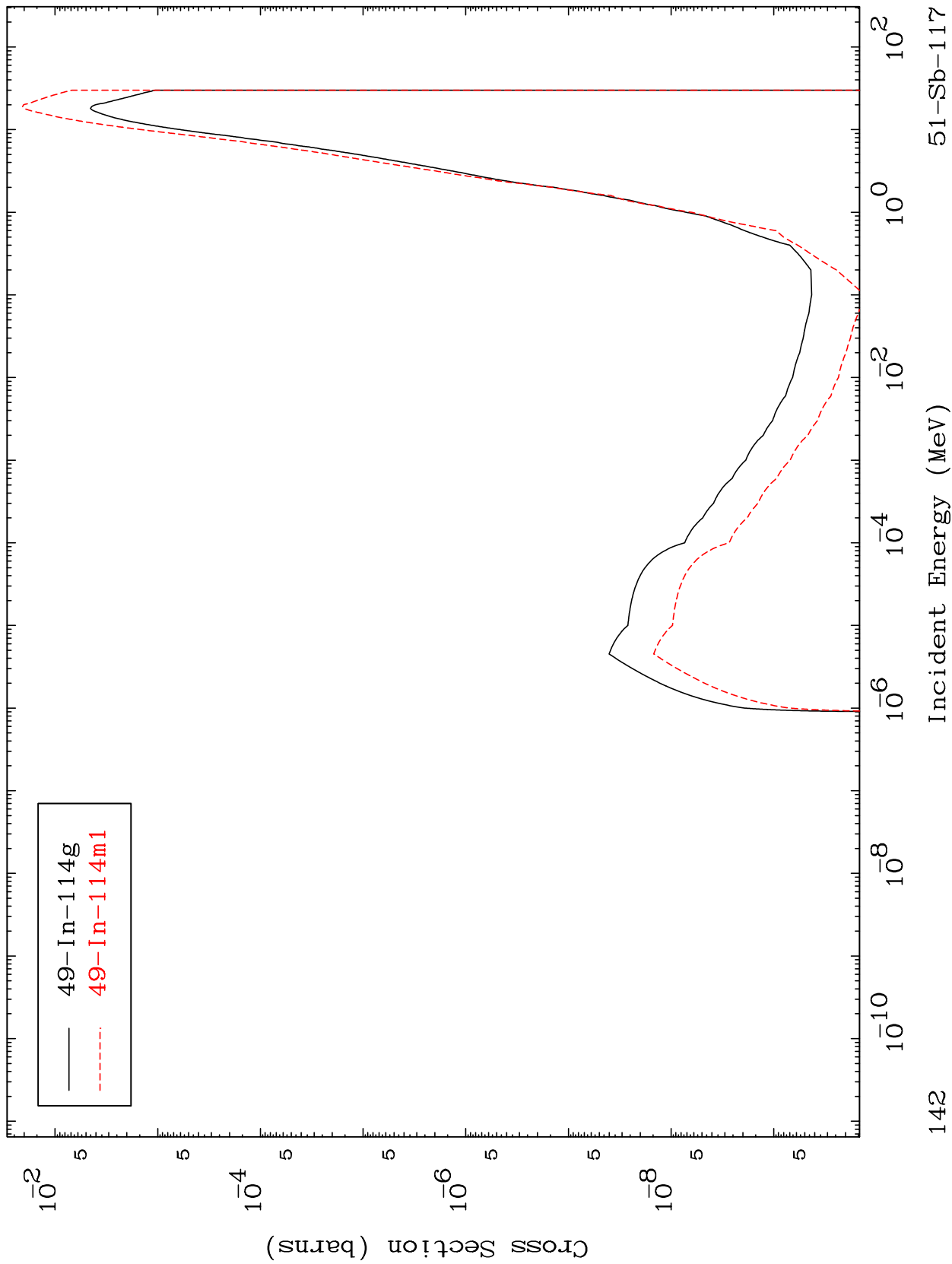
Incident Energy (MeV)

51-Sb-117

MAT 5113

51-Sb-117

Radionuclide Production Cross Section



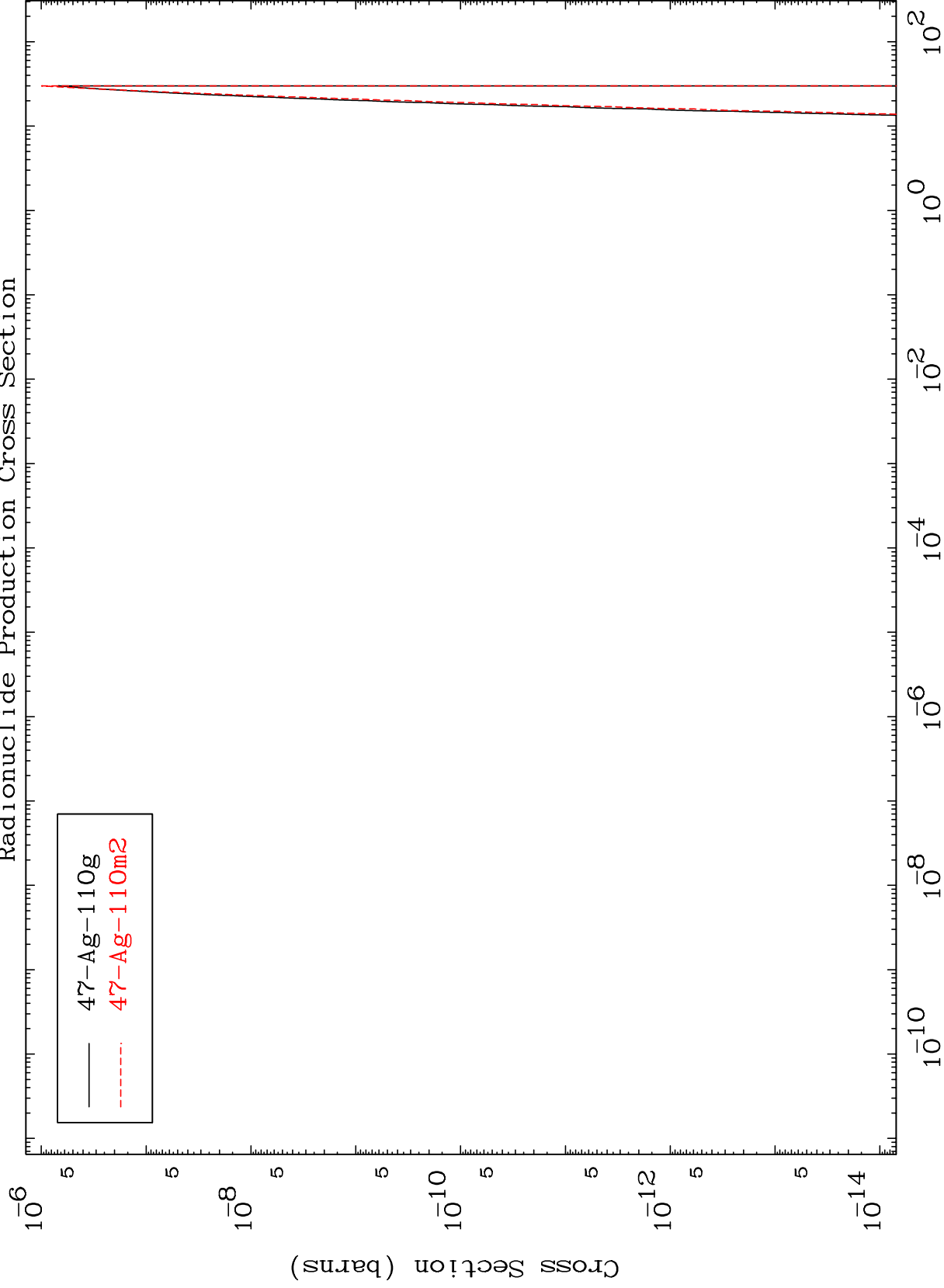
142

MAT 5113

(n,2α)

51-Sb-117

Radionuclide Production Cross Section



143

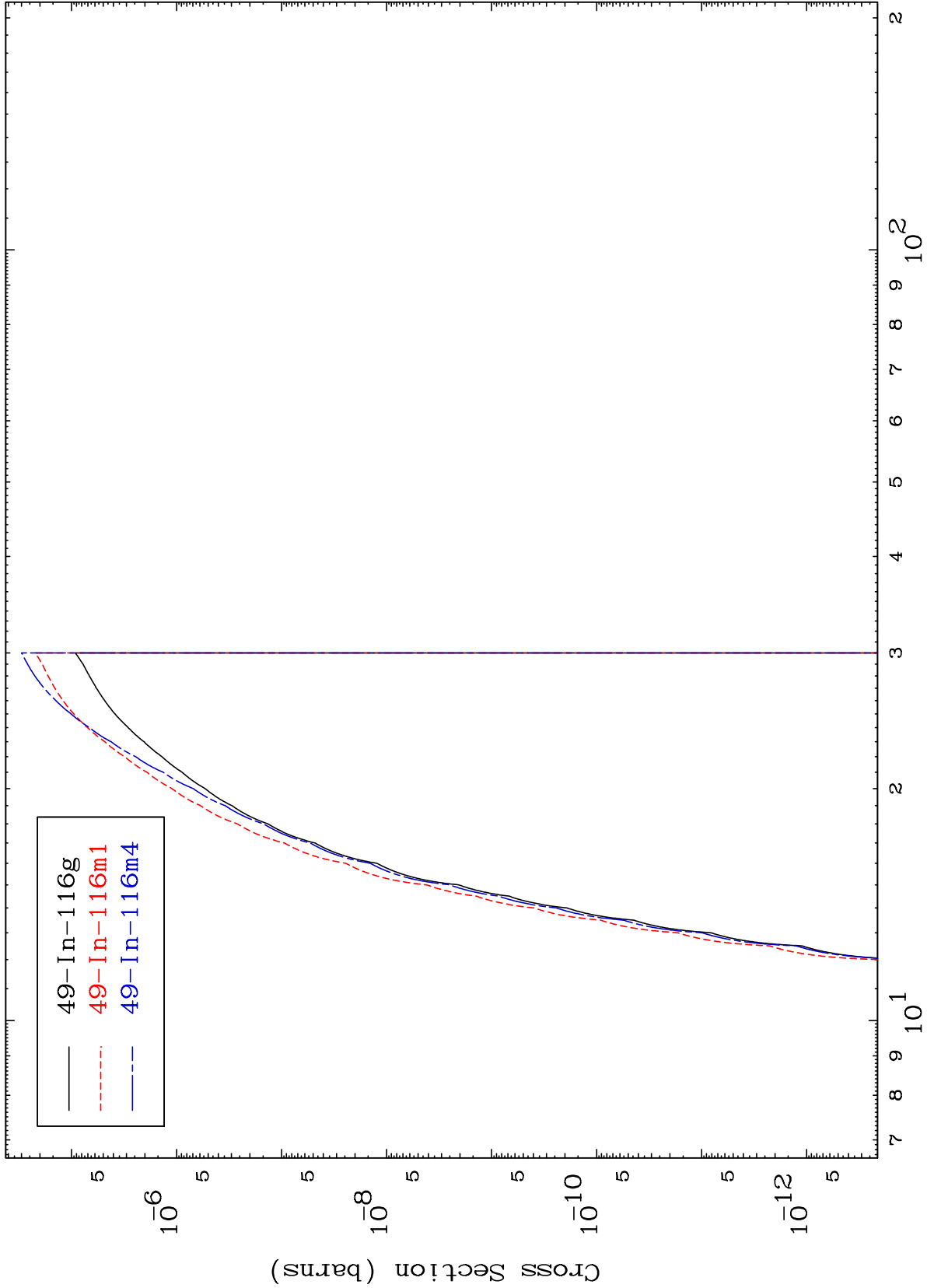
Incident Energy (MeV)

51-Sb-117

MAT 5113

51-Sb-117

(n,2p)  
Radionuclide Production Cross Section



51-Sb-117

Incident Energy (MeV)

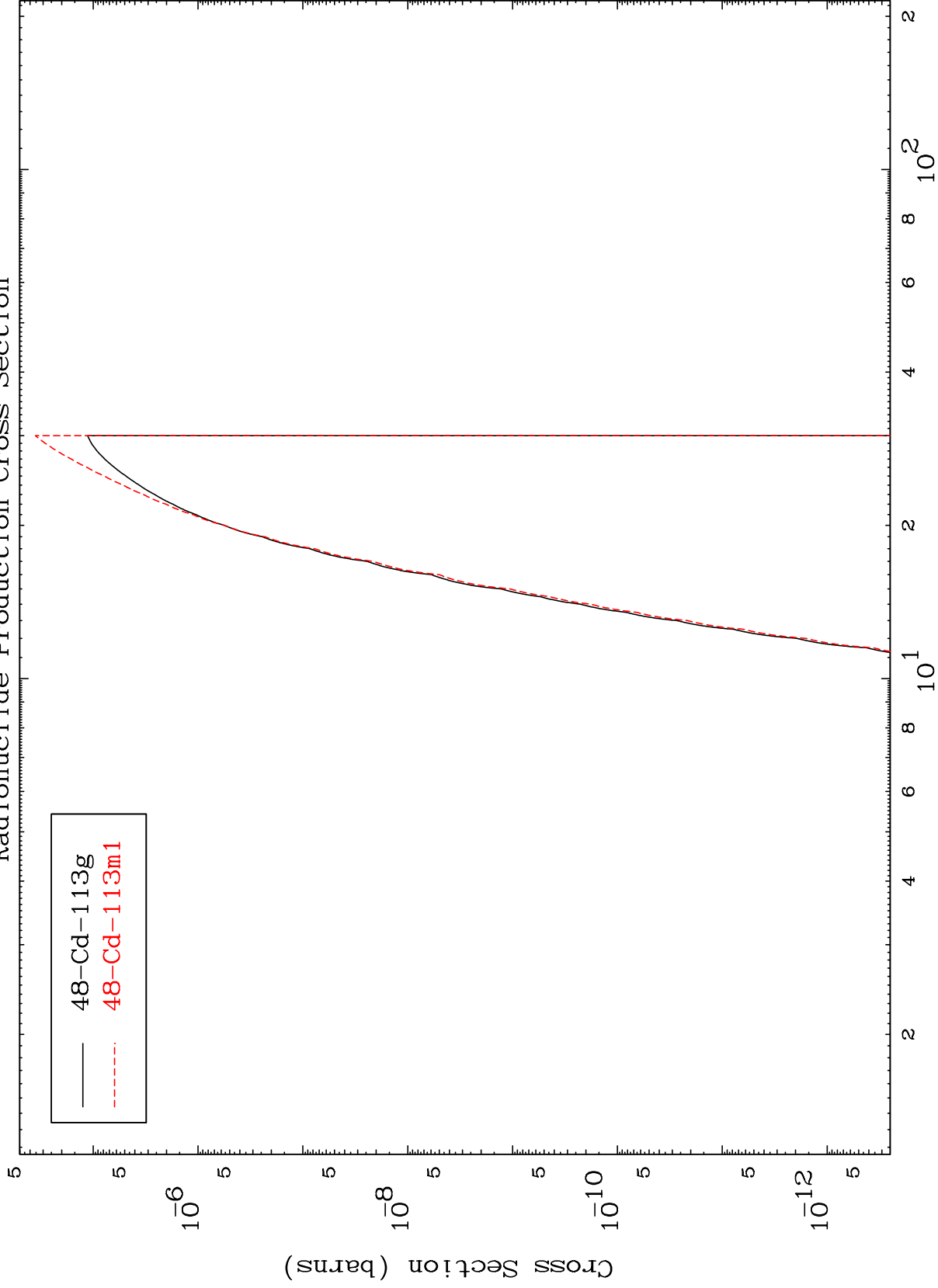
144

MAT 5113

(n,p)  $\alpha$

51-Sb-117

Radionuclide Production Cross Section



145

Incident Energy (MeV)

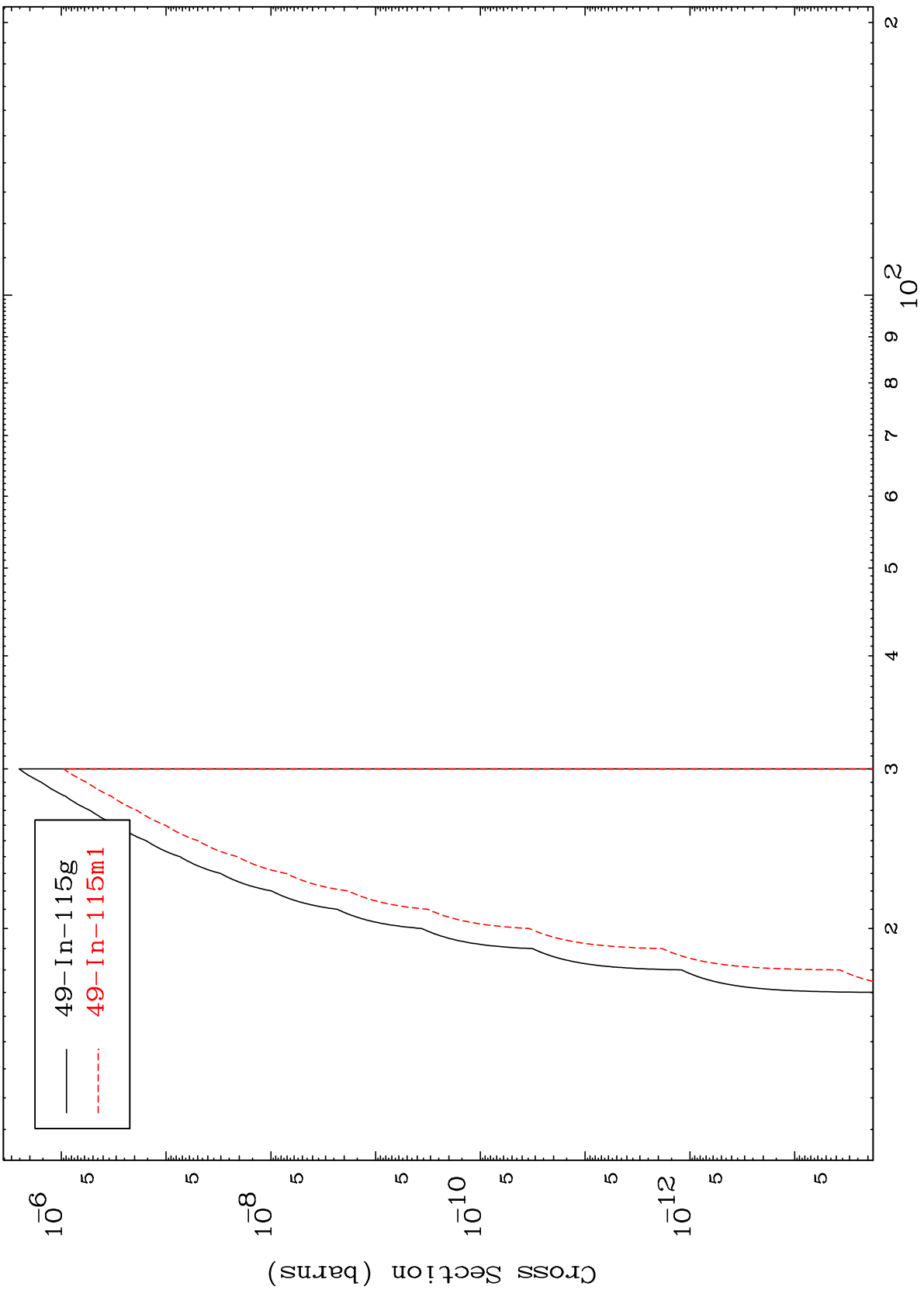
51-Sb-117

MAT 5113

(n,p) d

51-Sb-117

Radionuclide Production Cross Section



146

Incident Energy (MeV)

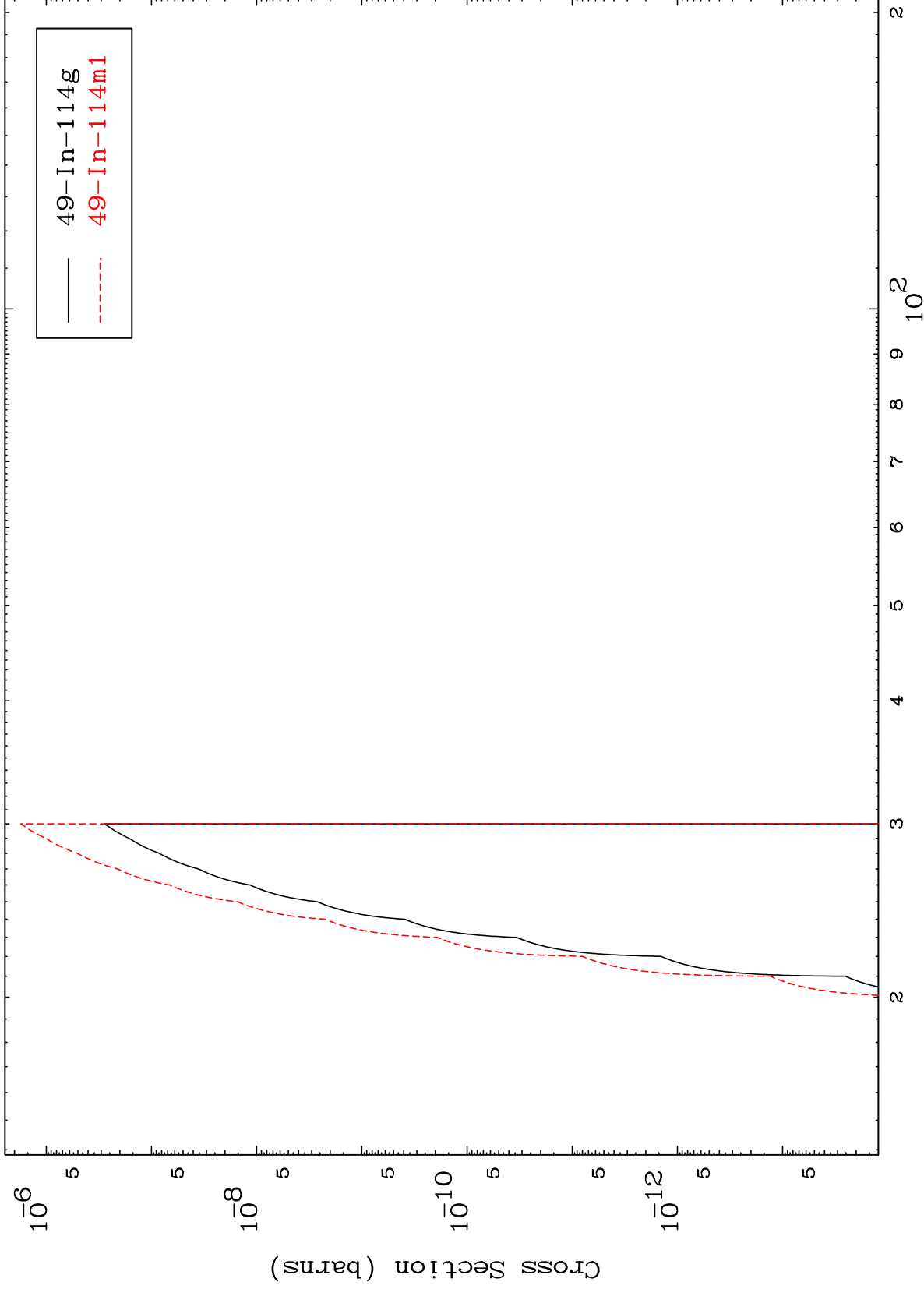
51-Sb-117

MAT 5113

(n,p) t

51-Sb-117

Radionuclide Production Cross Section



147

Incident Energy (MeV)

51-Sb-117