

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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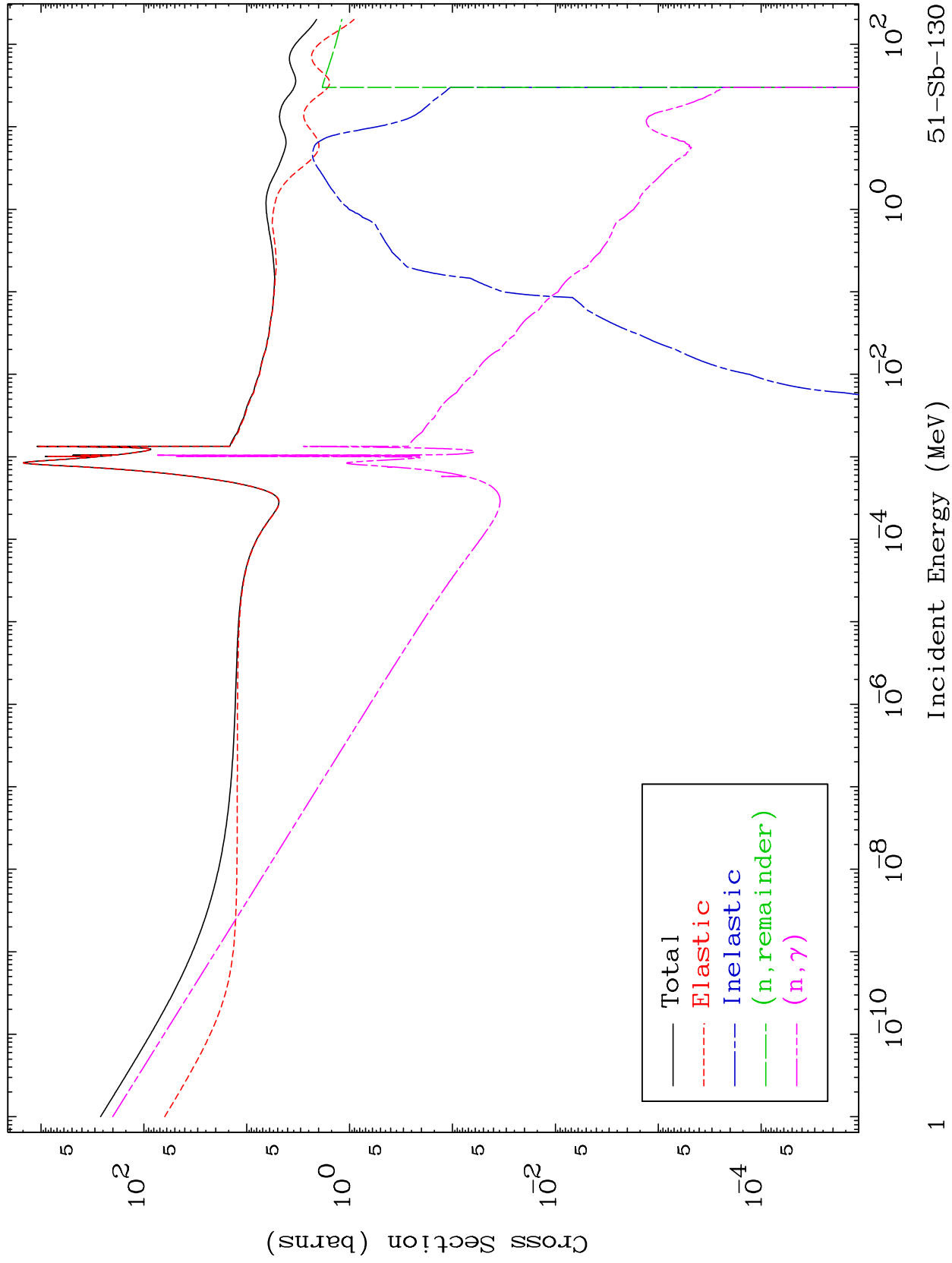
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

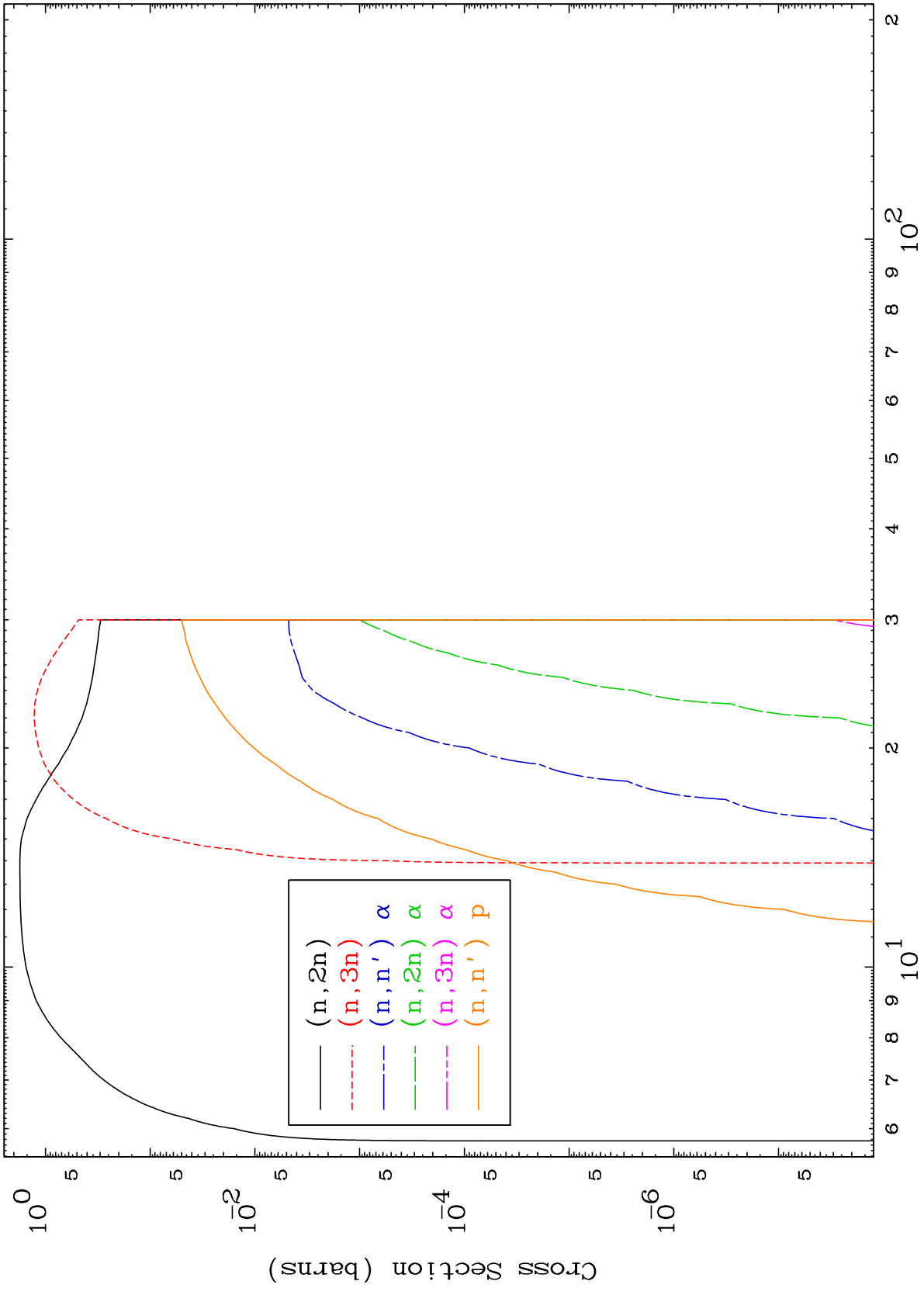
Press Mouse Button to Start

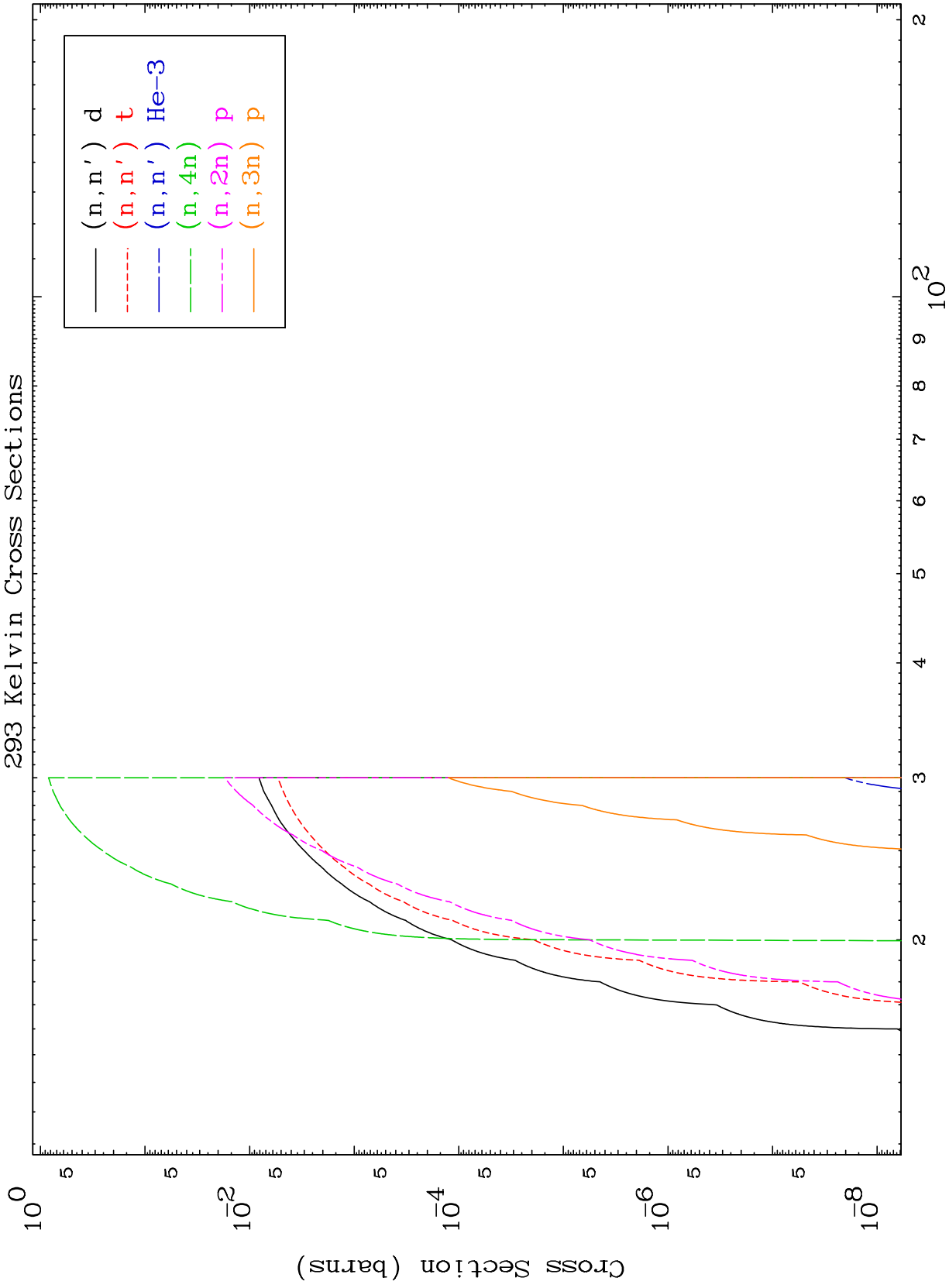
MAT 5152

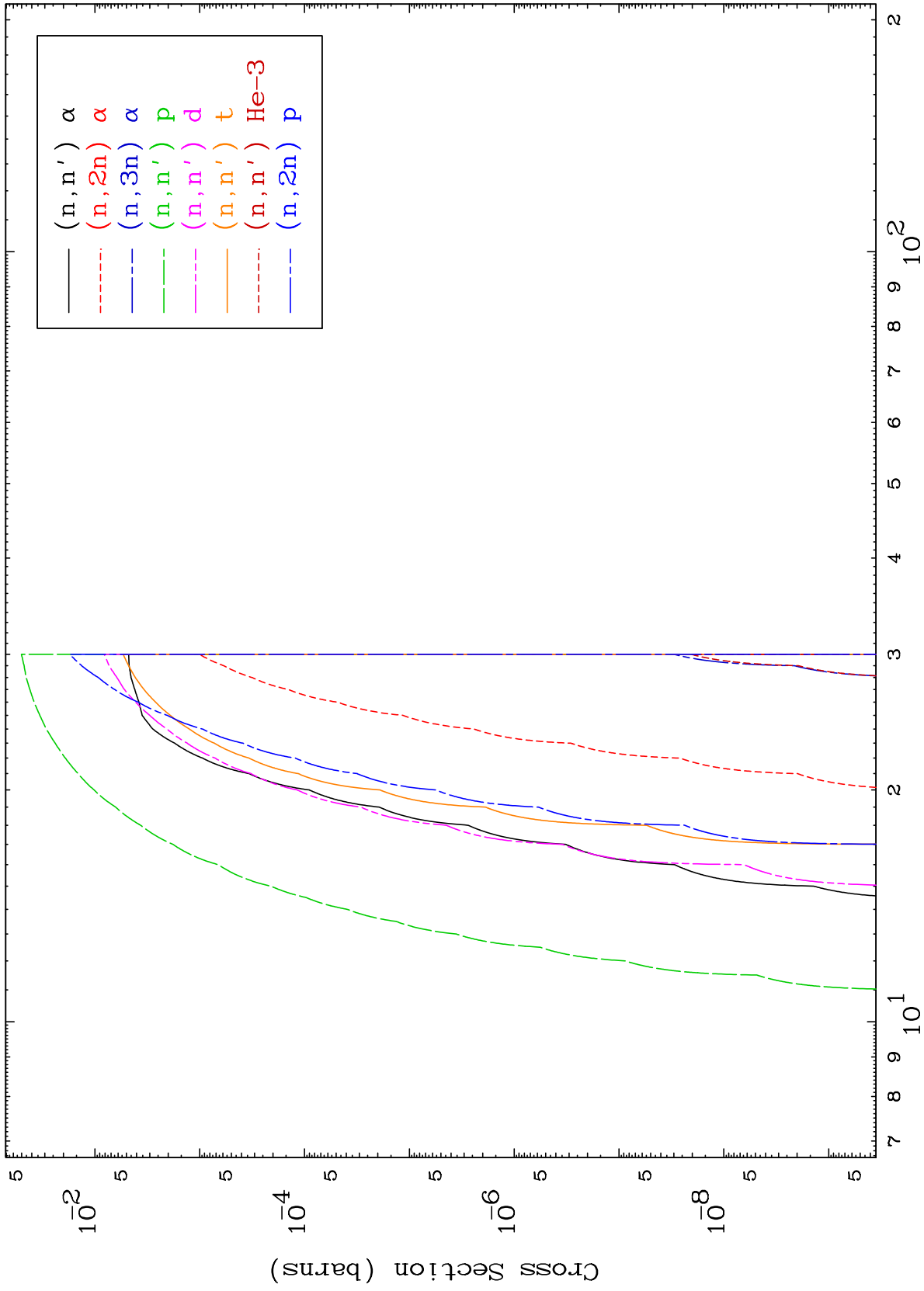
Major  
293 Kelvin Cross Sections

51-Sb-130





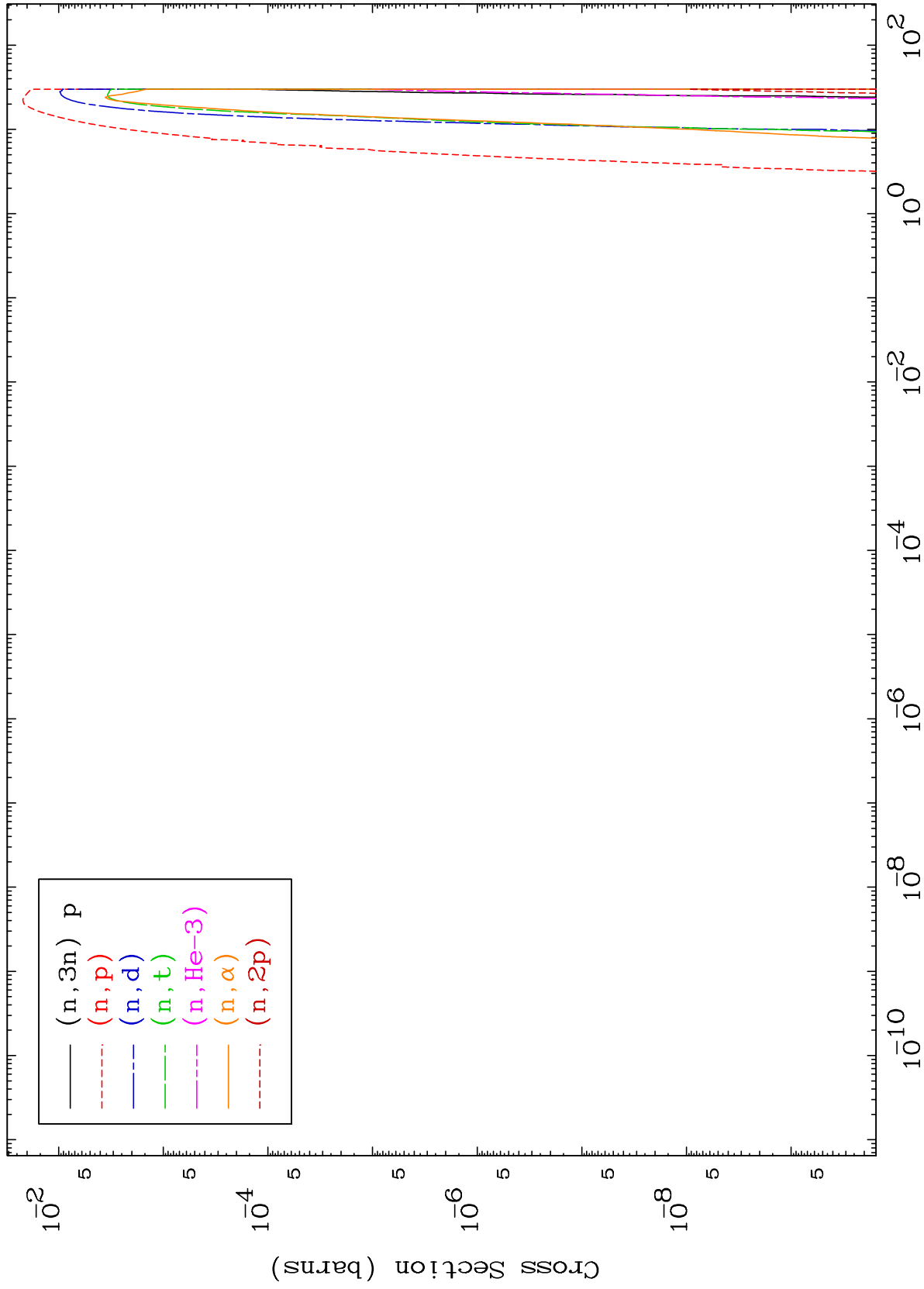




MAT 5152

Charged Particle  
293 Kelvin Cross Sections

51-Sb-130



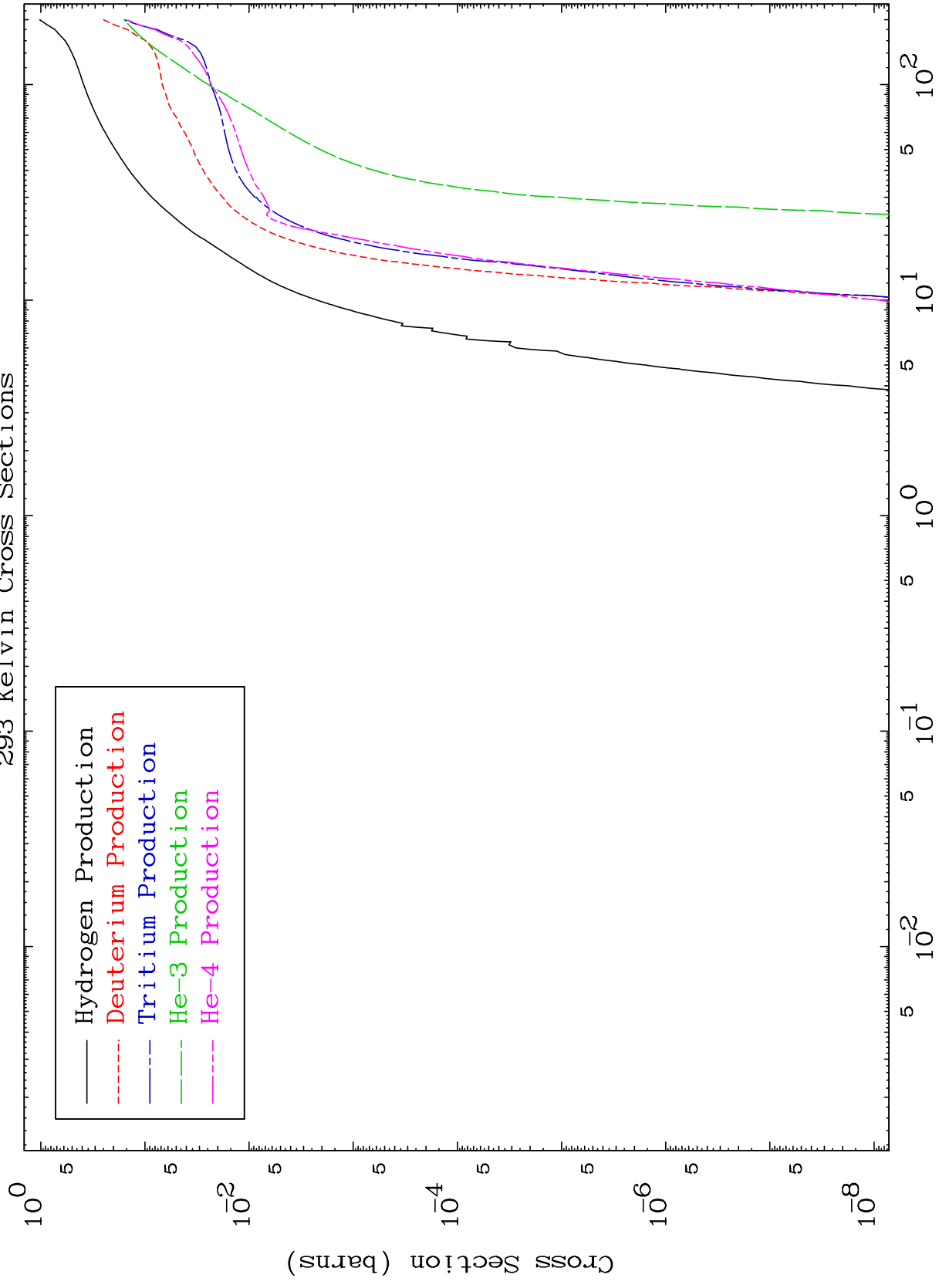
5

51-Sb-130

MAT 5152

Particle Production  
293 Kelvin Cross Sections

51-Sb-130



6

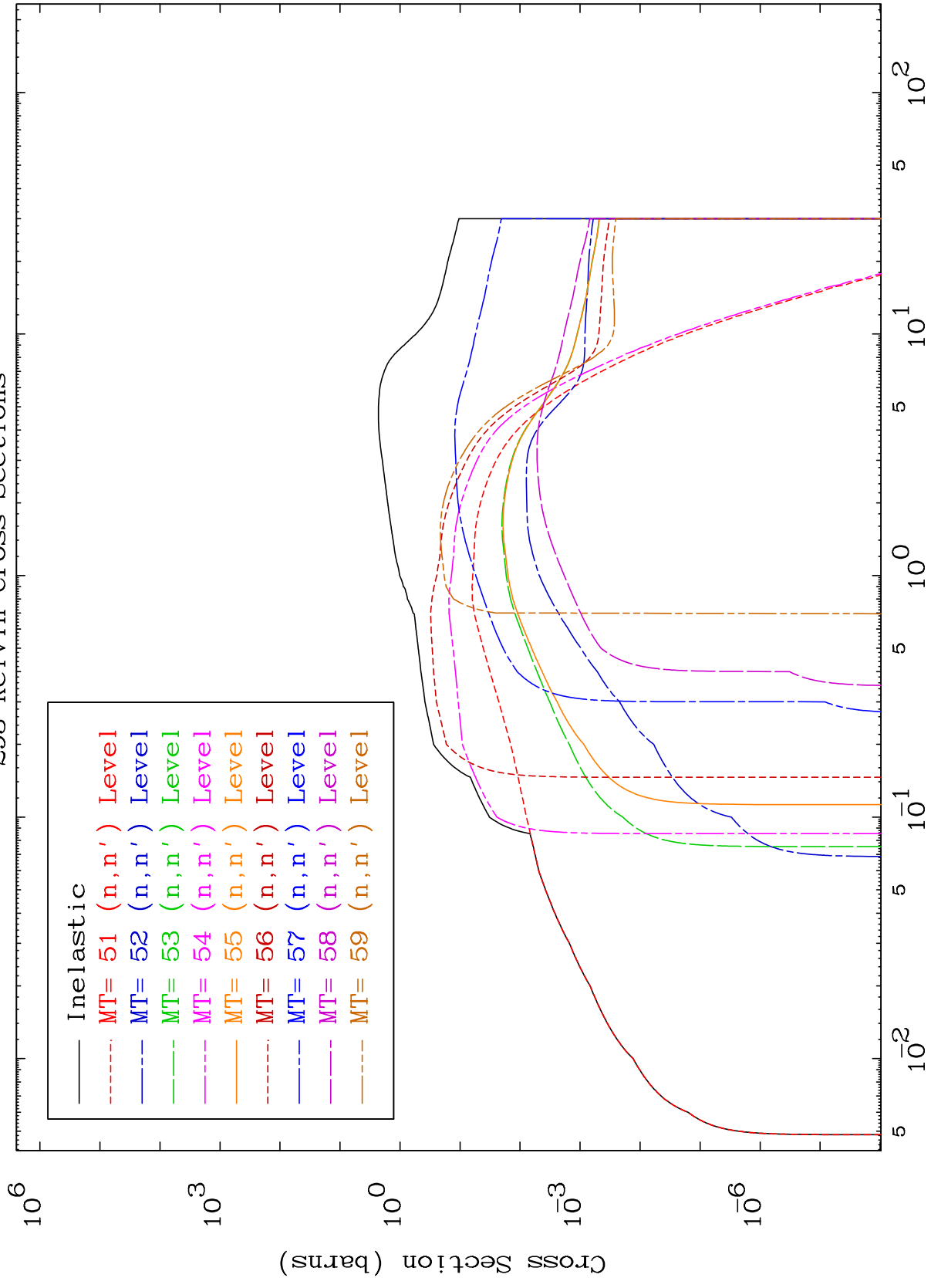
Incident Energy (MeV)

51-Sb-130

MAT 5152

(n,n') Level  
293 Kelvin Cross Sections

51-Sb-130



7

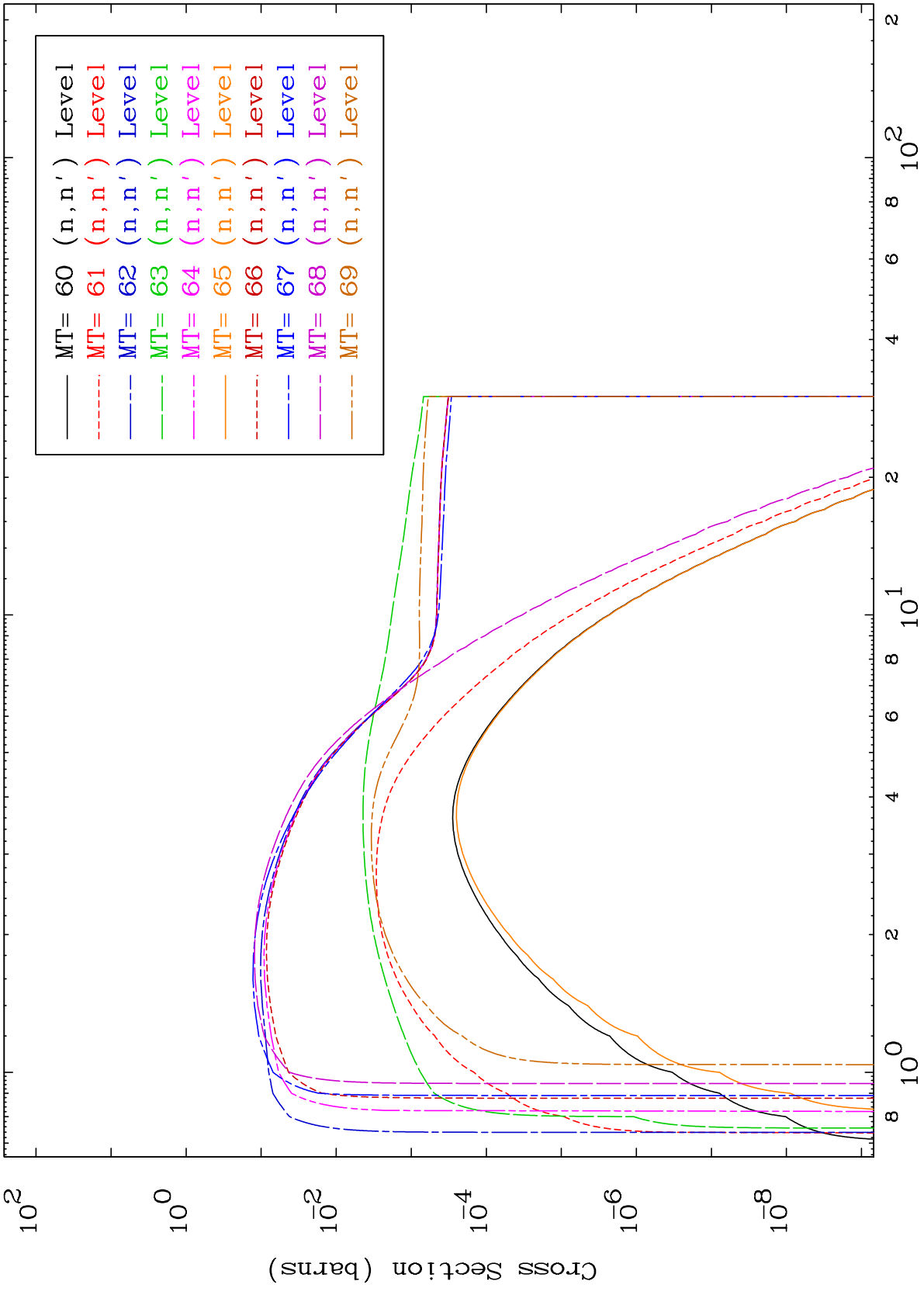
51-Sb-130

MAT 5152

(n,n') Level

51-Sb-130

293 Kelvin Cross Sections



8

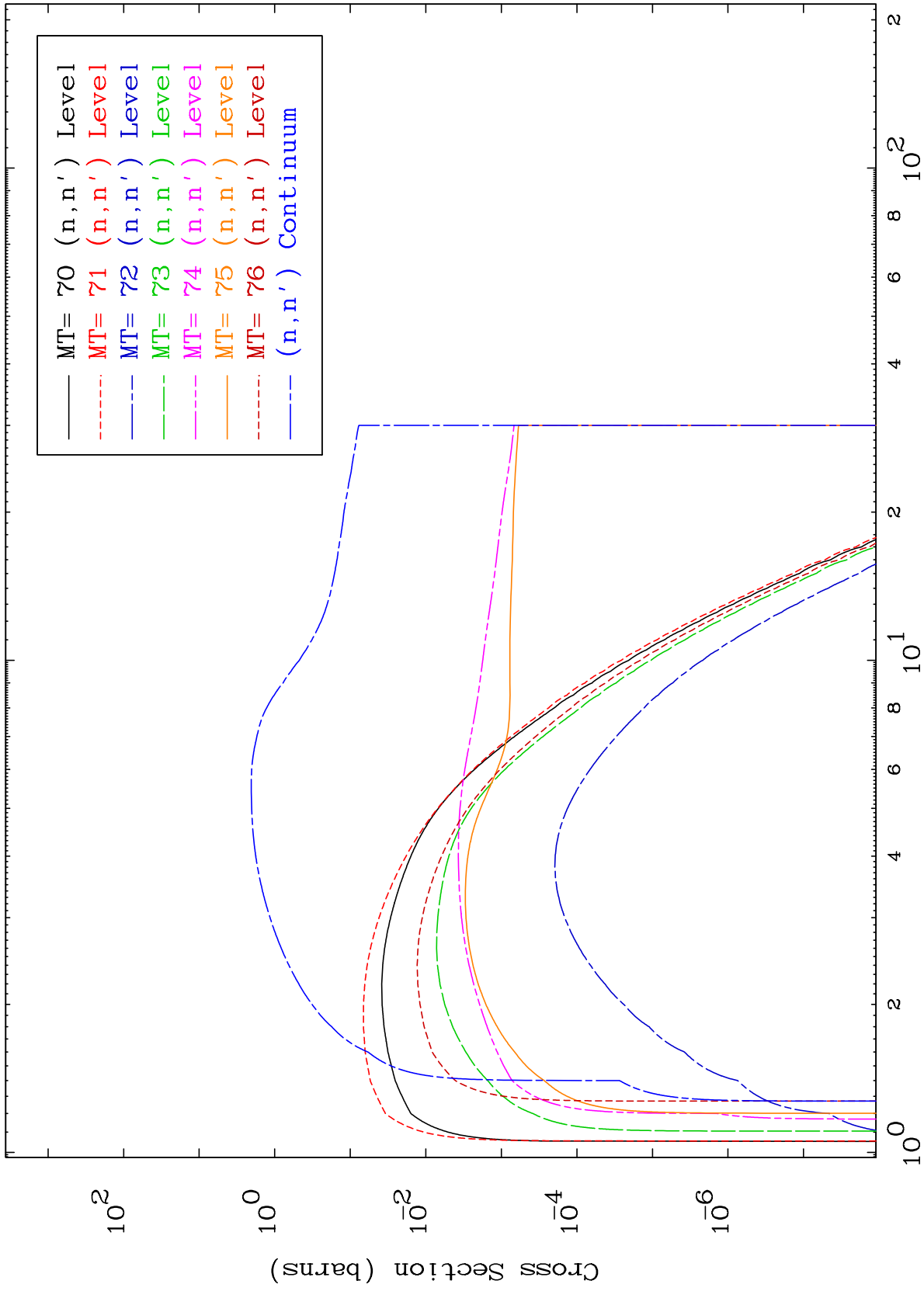
Incident Energy (MeV)

51-Sb-130

MAT 5152

(n,n') Level  
293 Kelvin Cross Sections

51-Sb-130



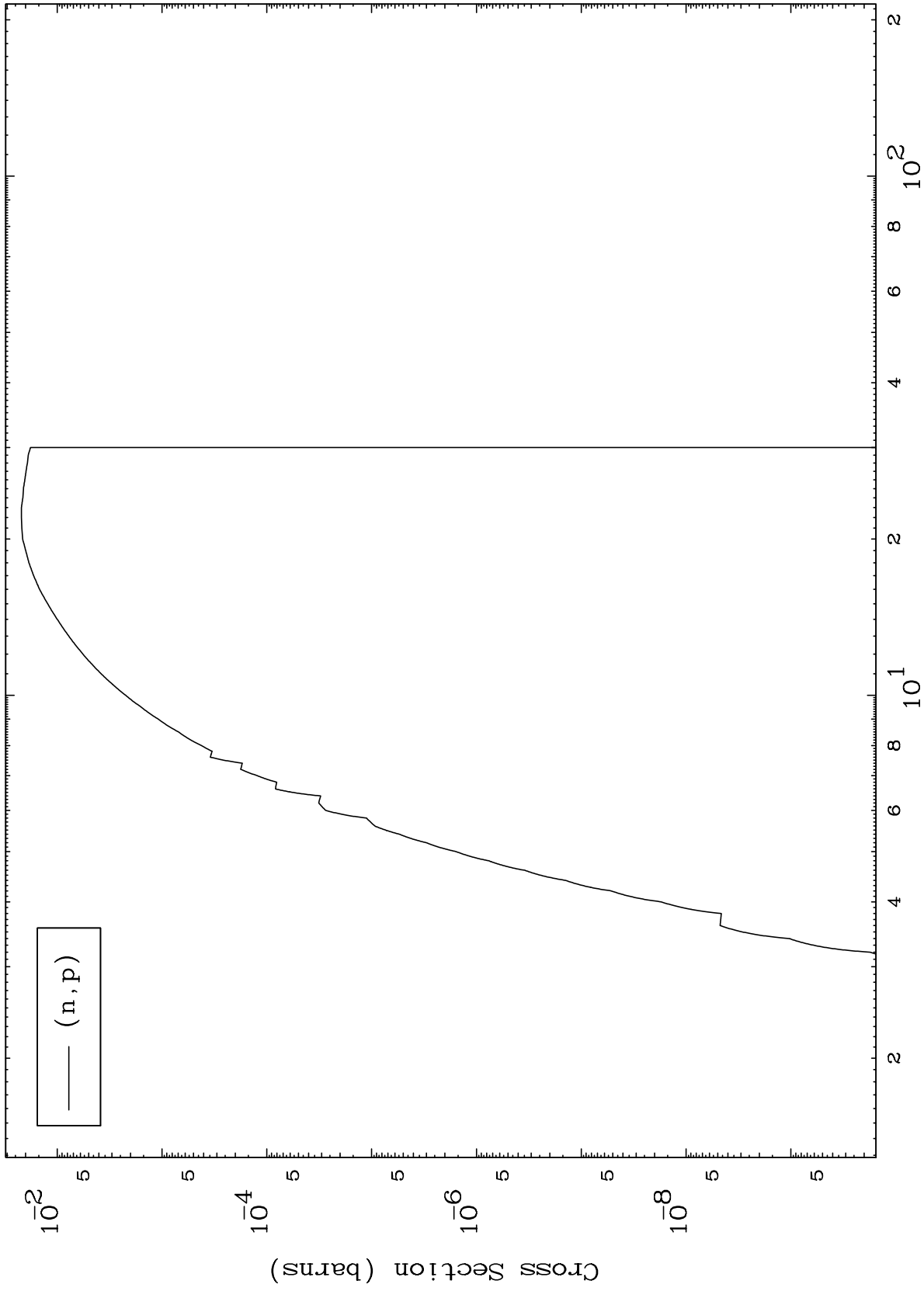
Incident Energy (MeV)

51-Sb-130

MAT 5152

(n,p) Levels  
293 Kelvin Cross Sections

51-Sb-130



10

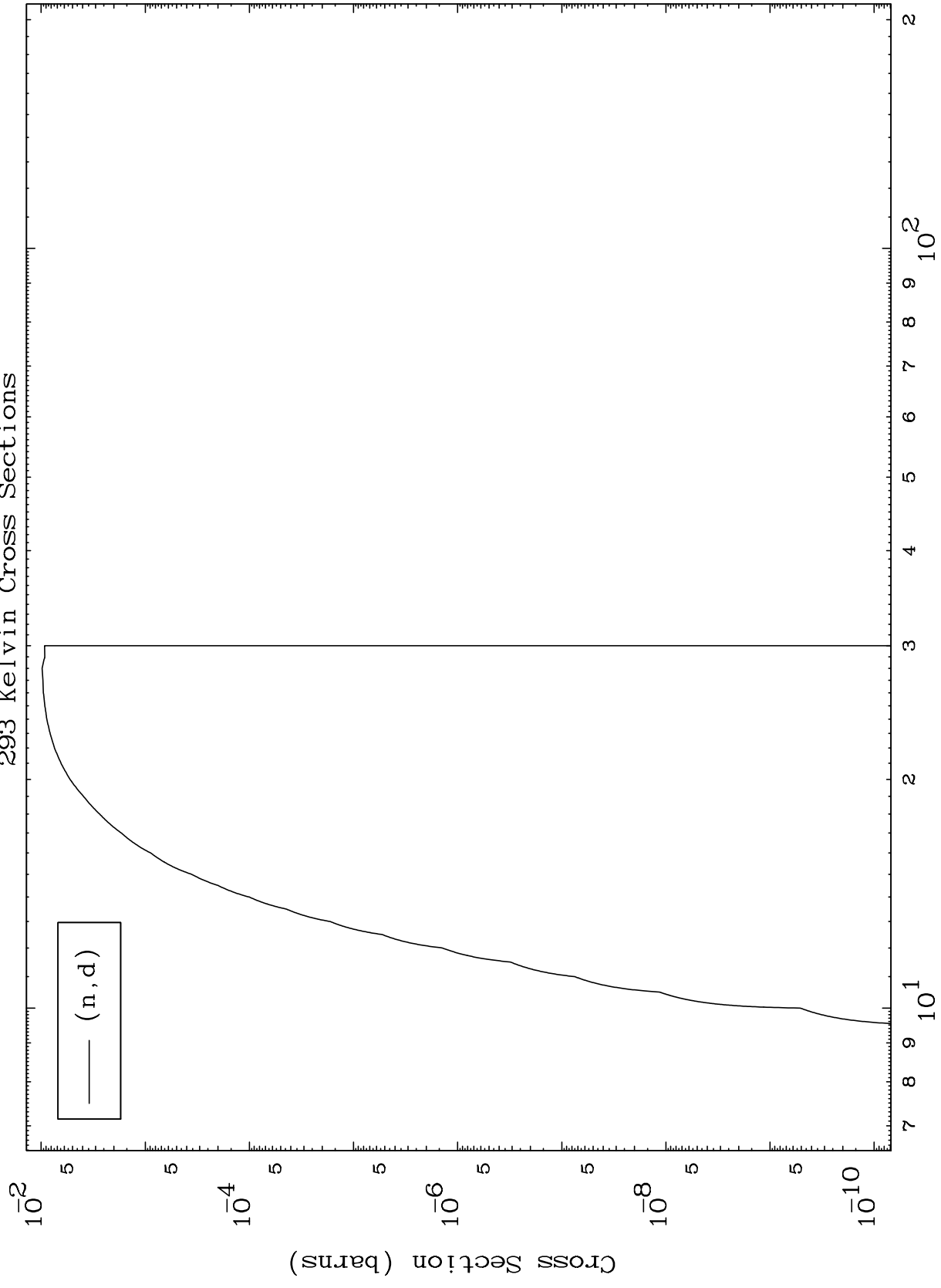
Incident Energy (MeV)

51-Sb-130

MAT 5152

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-130



11

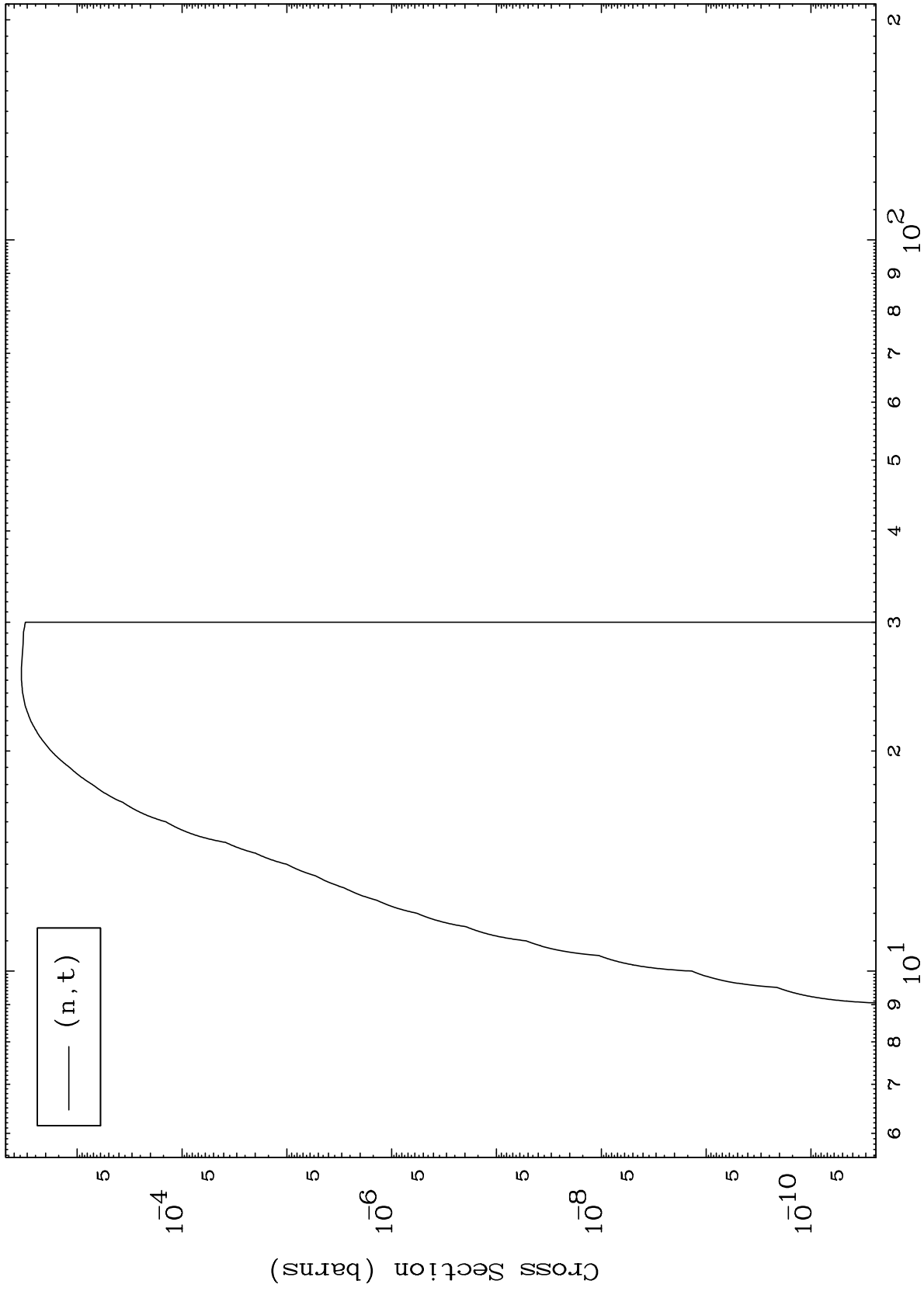
Incident Energy (MeV)

51-Sb-130

MAT 5152

(n,t) Levels  
293 Kelvin Cross Sections

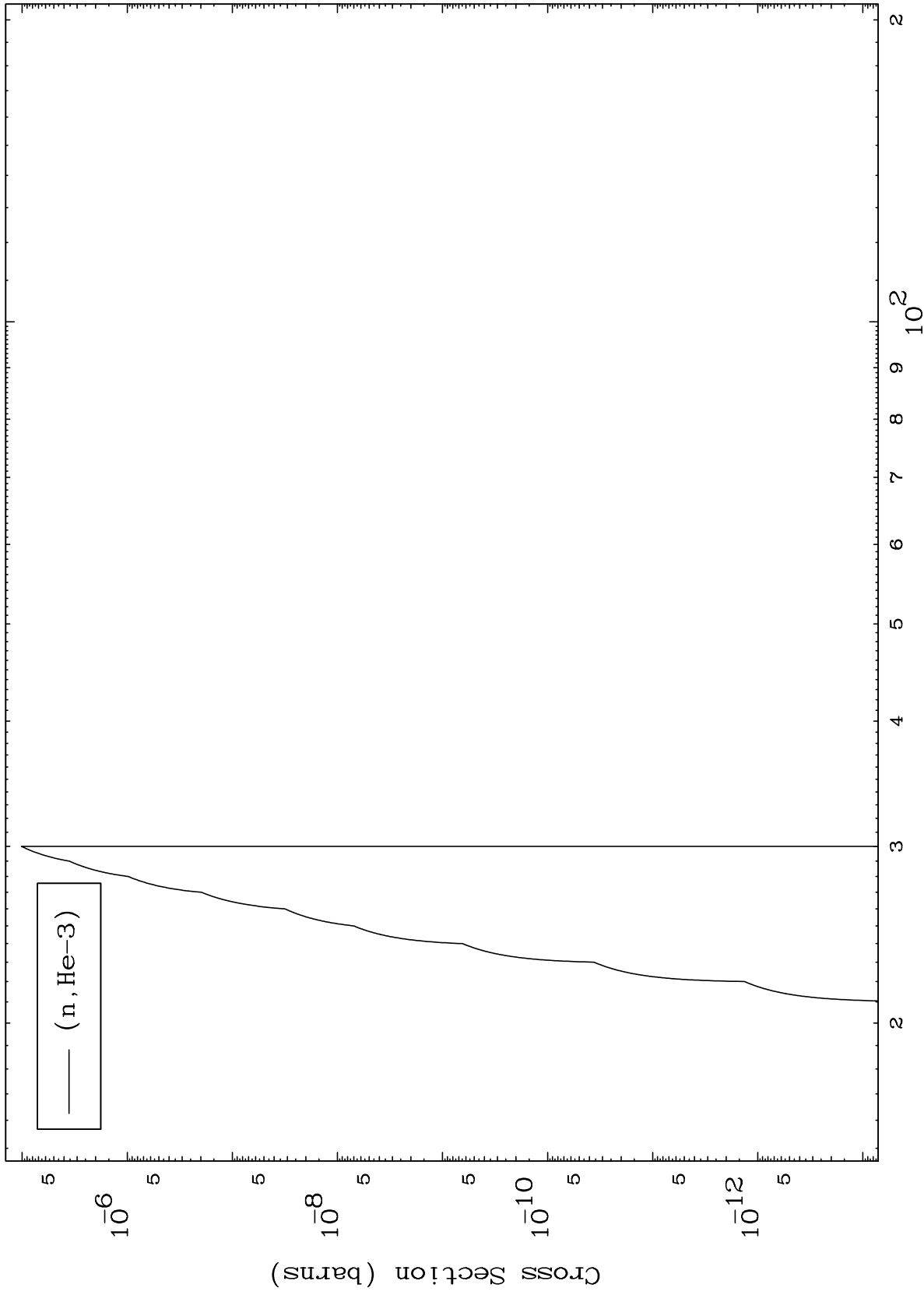
51-Sb-130



12

Incident Energy (MeV)

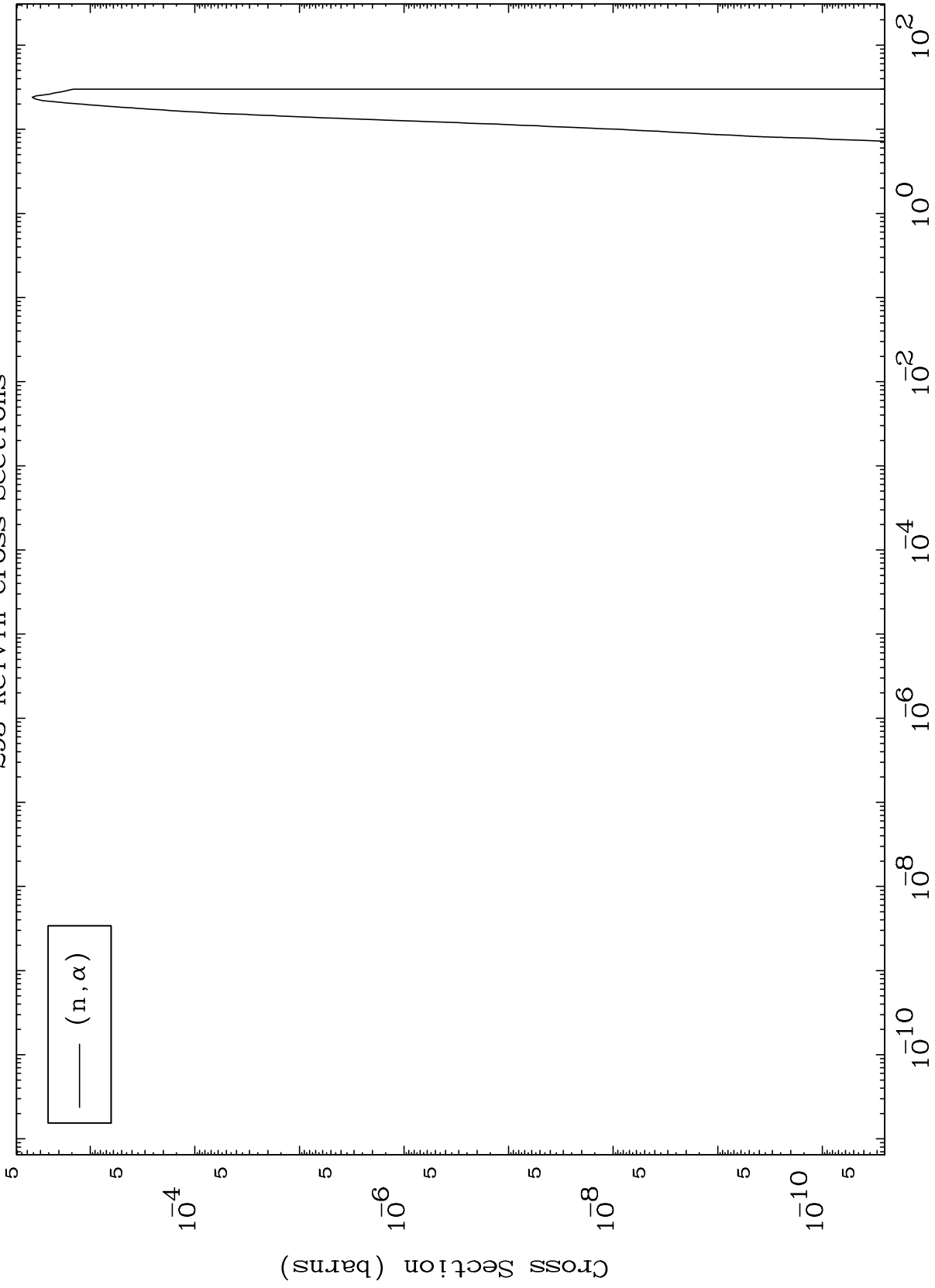
51-Sb-130

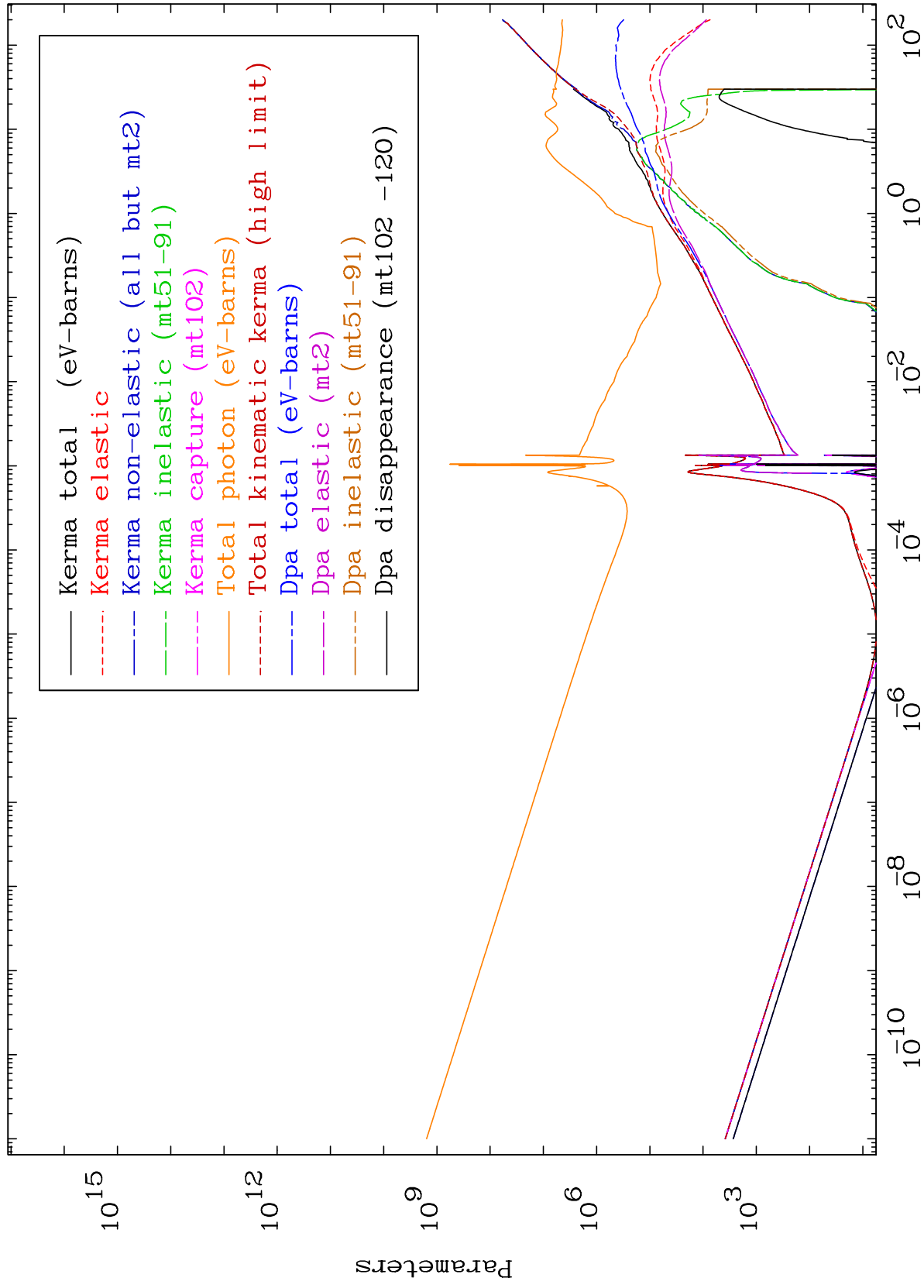


MAT 5152

(n,α) Levels  
293 Kelvin Cross Sections

51-Sb-130





MAT 5152

Elastic Legendre Coefficients

51-Sb-130



16

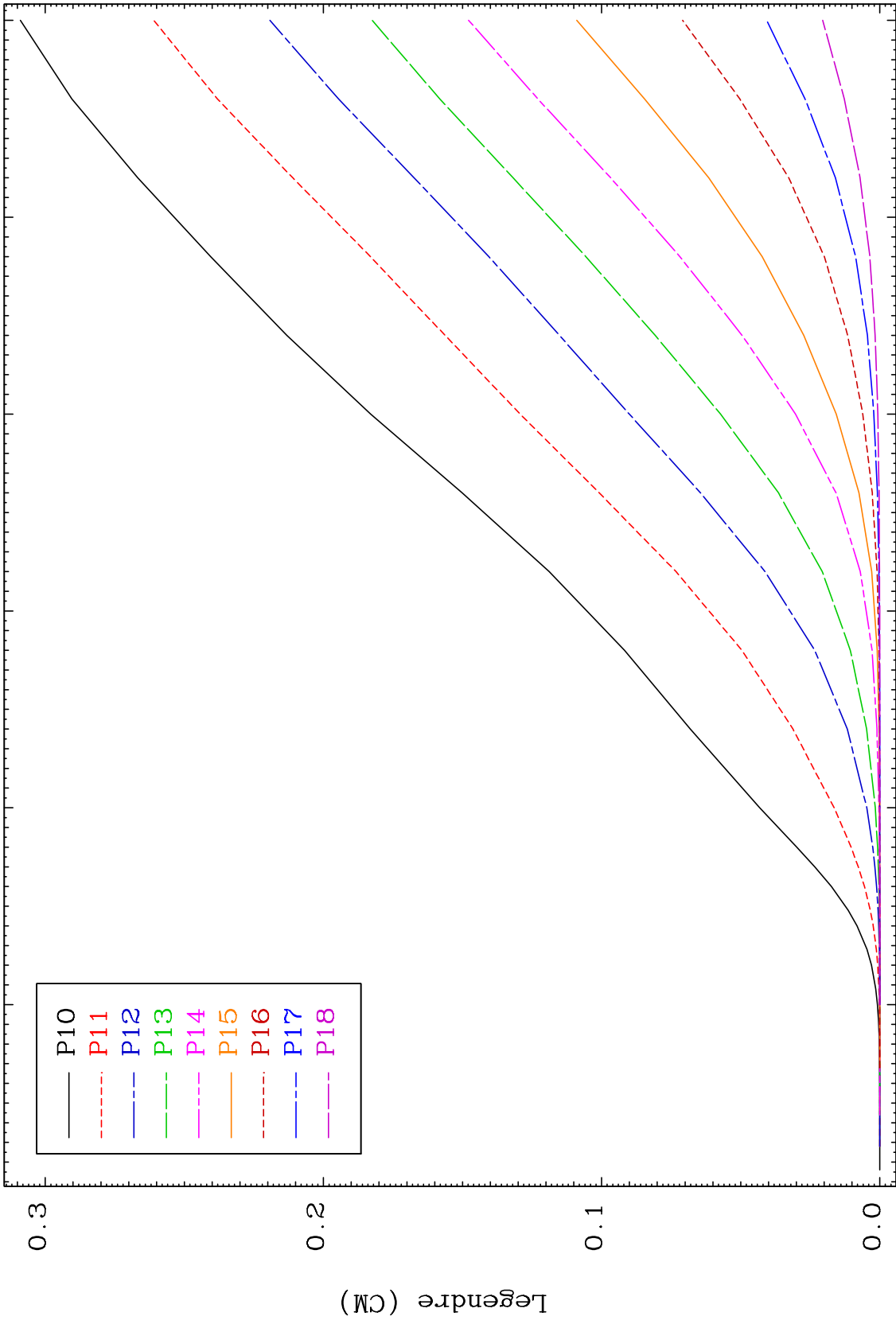
Incident Energy (MeV)

51-Sb-130

MAT 5152

Elastic Legendre Coefficients

51-Sb-130



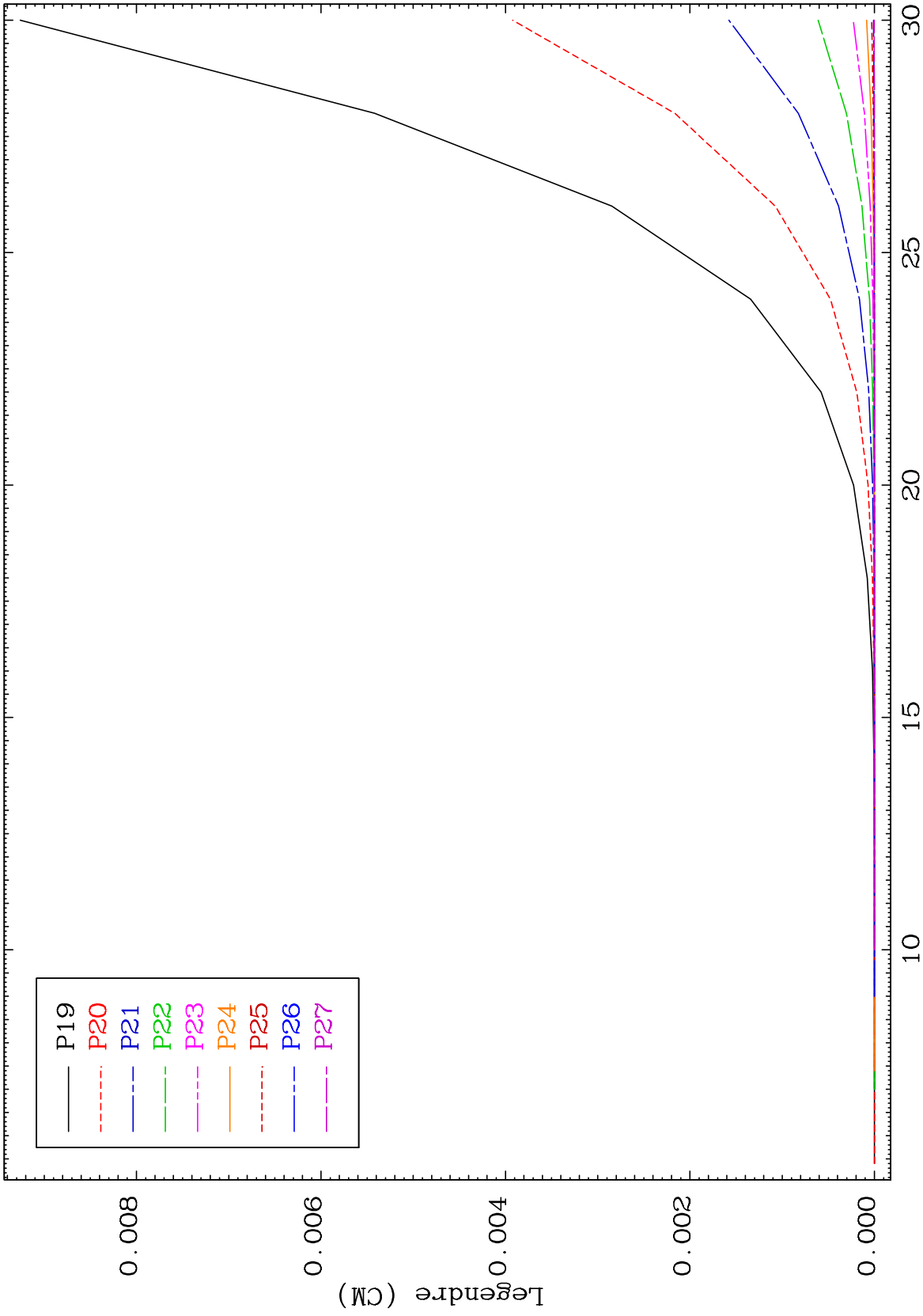
17

51-Sb-130

MAT 5152

### Elastic Legendre Coefficients

51-Sb-130



18

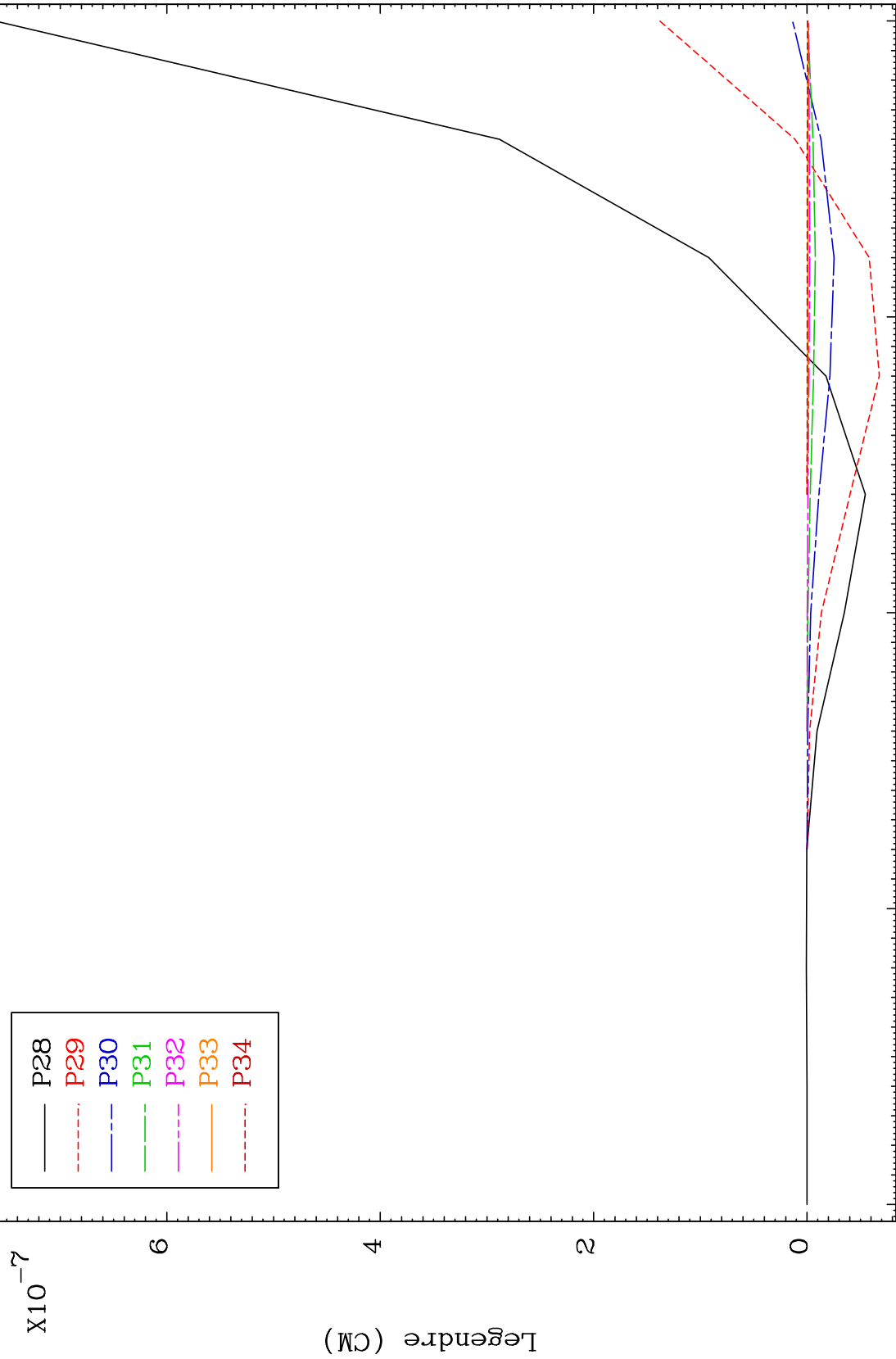
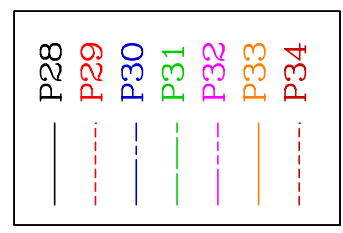
Incident Energy (MeV)

51-Sb-130

MAT 5152

Elastic Legendre Coefficients

51-Sb-130



19

Incident Energy (MeV)

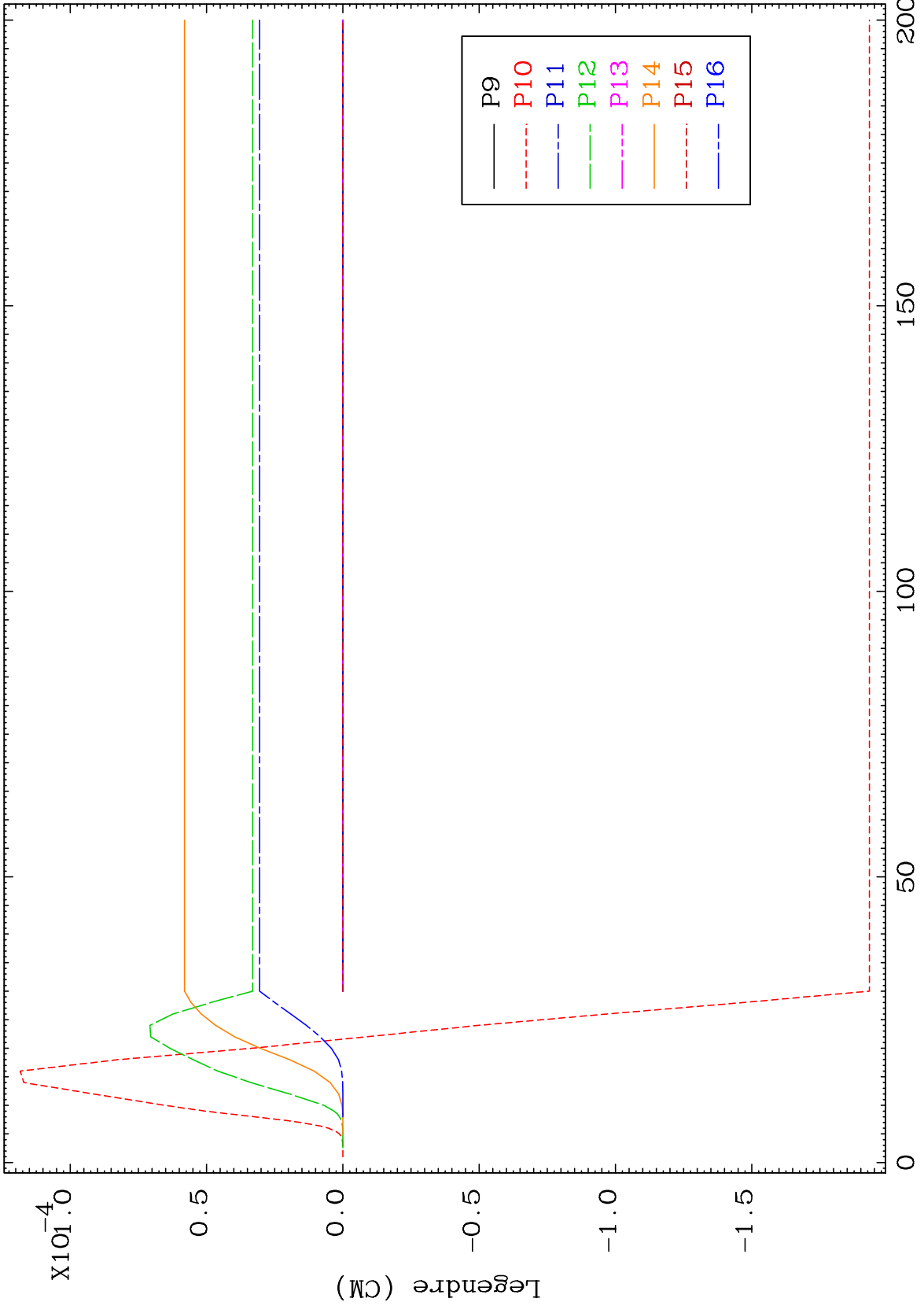
51-Sb-130



MAT 5152

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

51-Sb-130



21

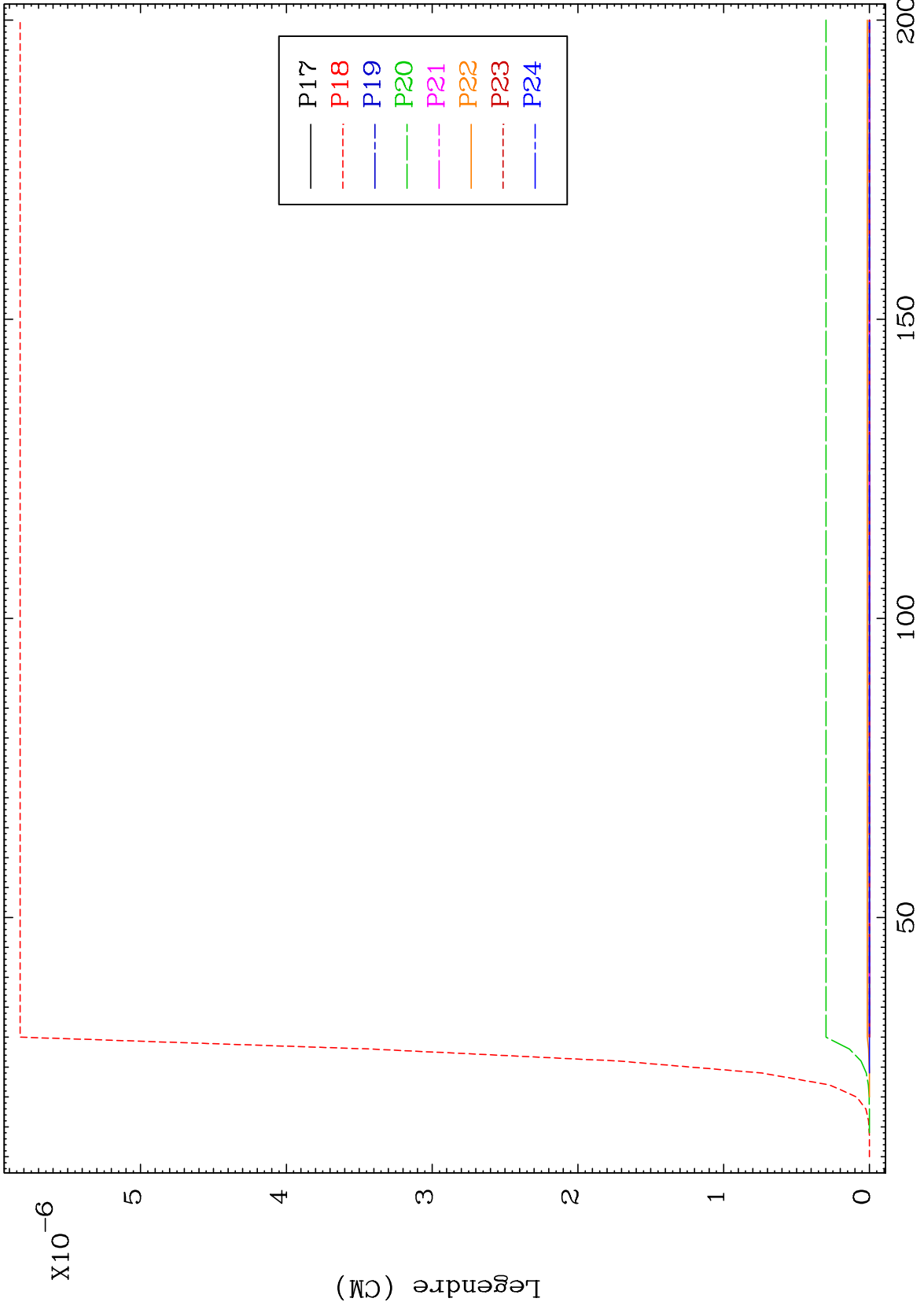
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



22

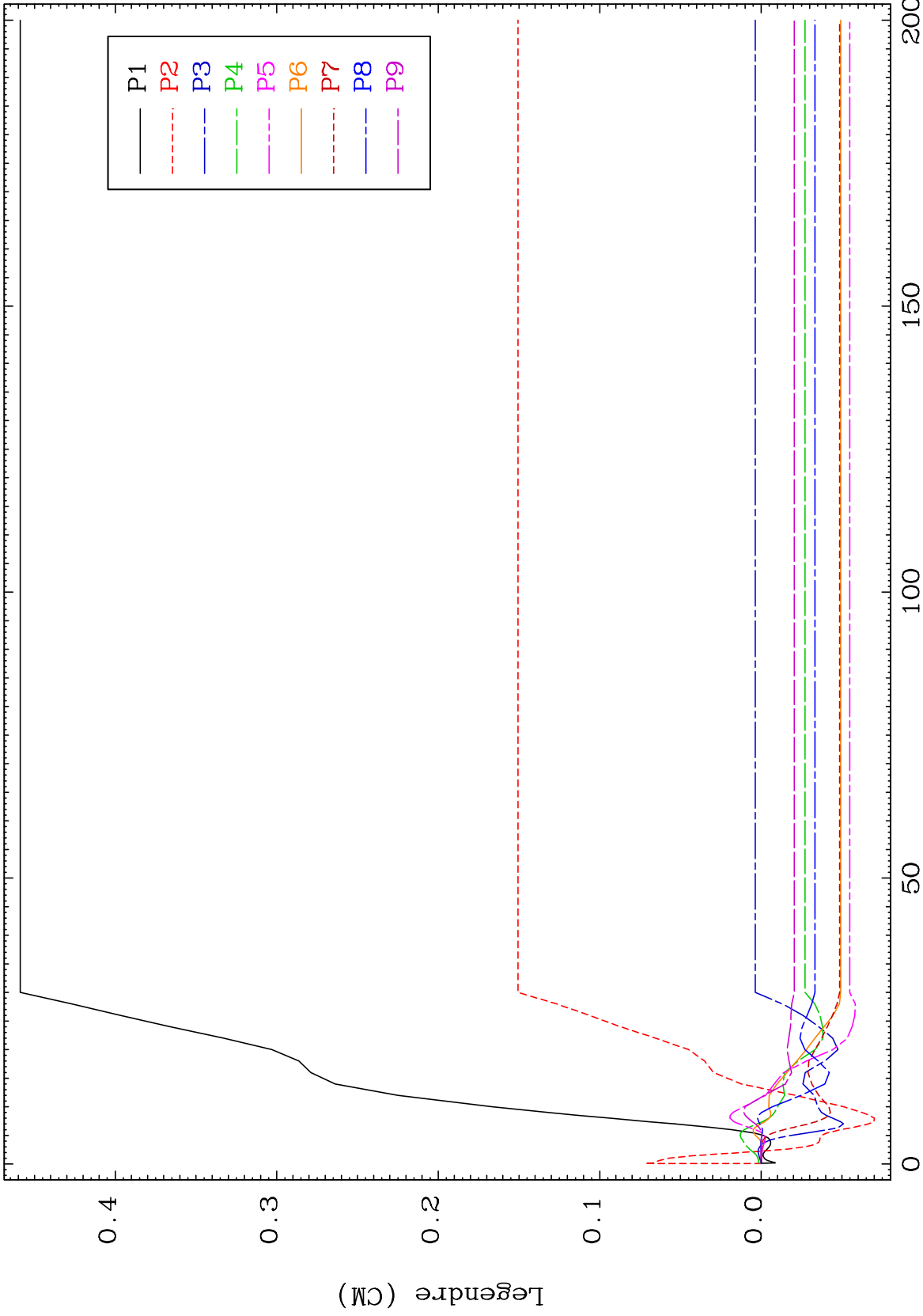
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



23

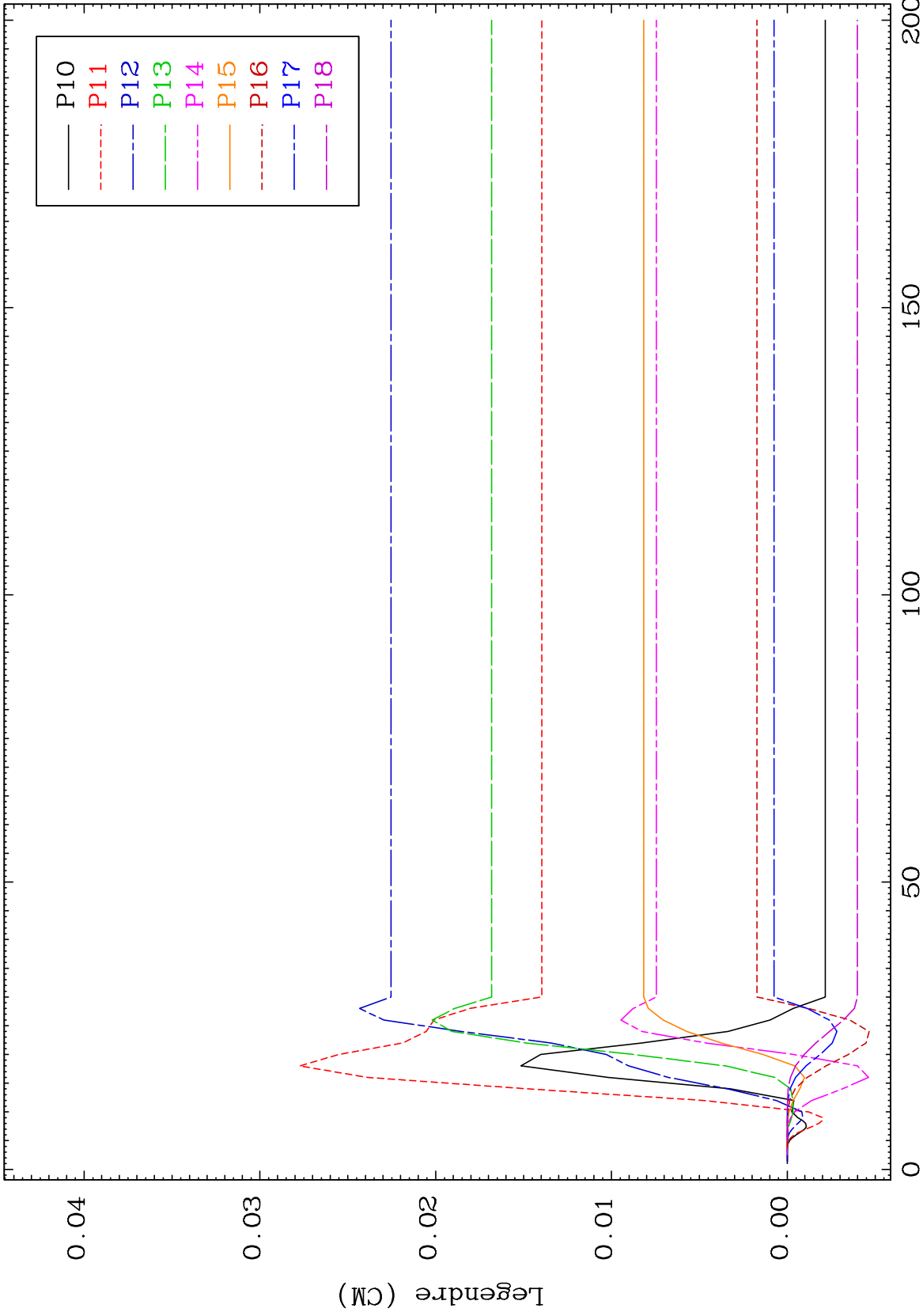
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



24

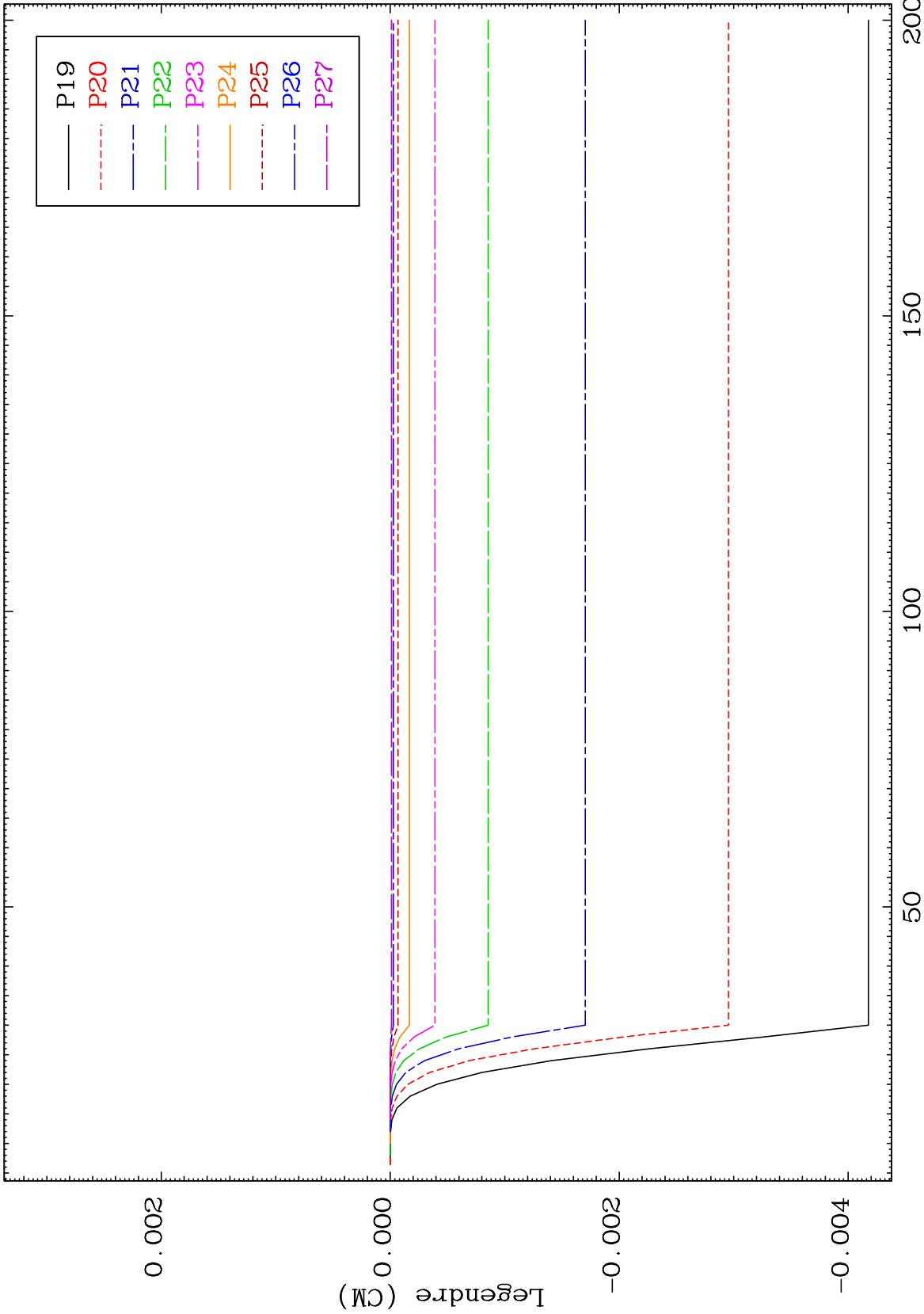
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130

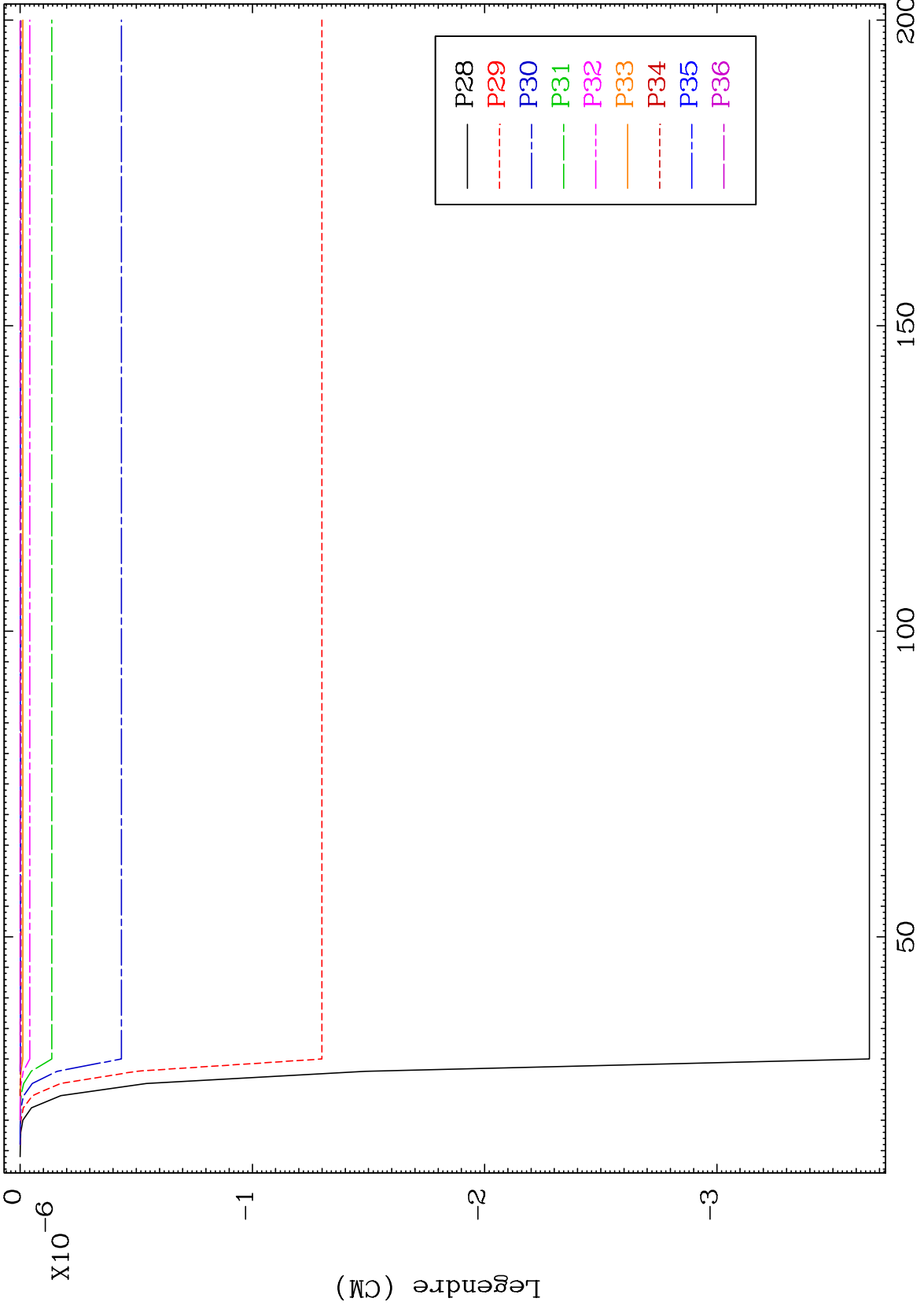


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Incident Energy (MeV)

51-Sb-130

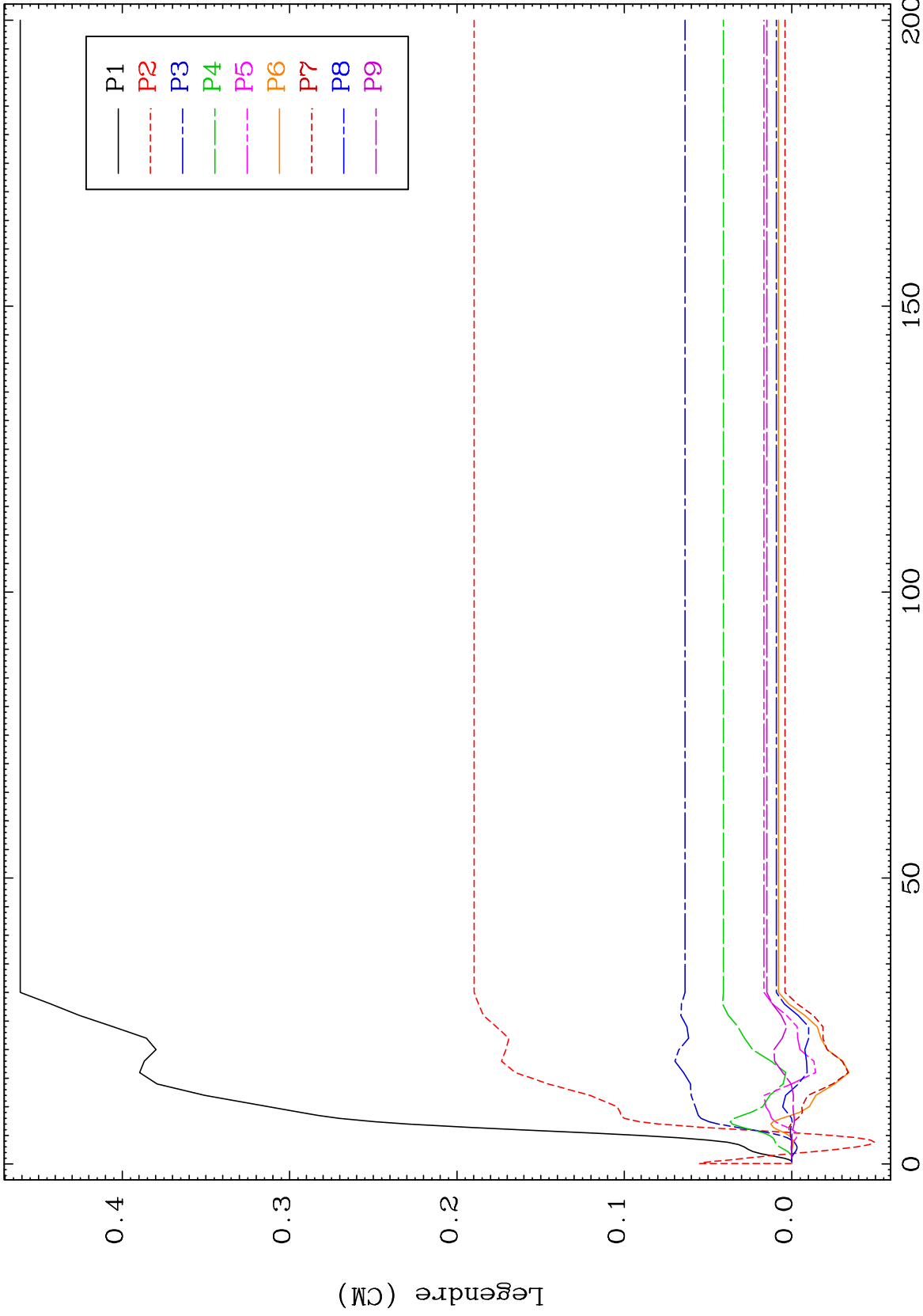
MAT 5152 MT= 52 (n,n') Level Legendre Coefficients 51-Sb-130



MAT 5152

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

51-Sb-130



27

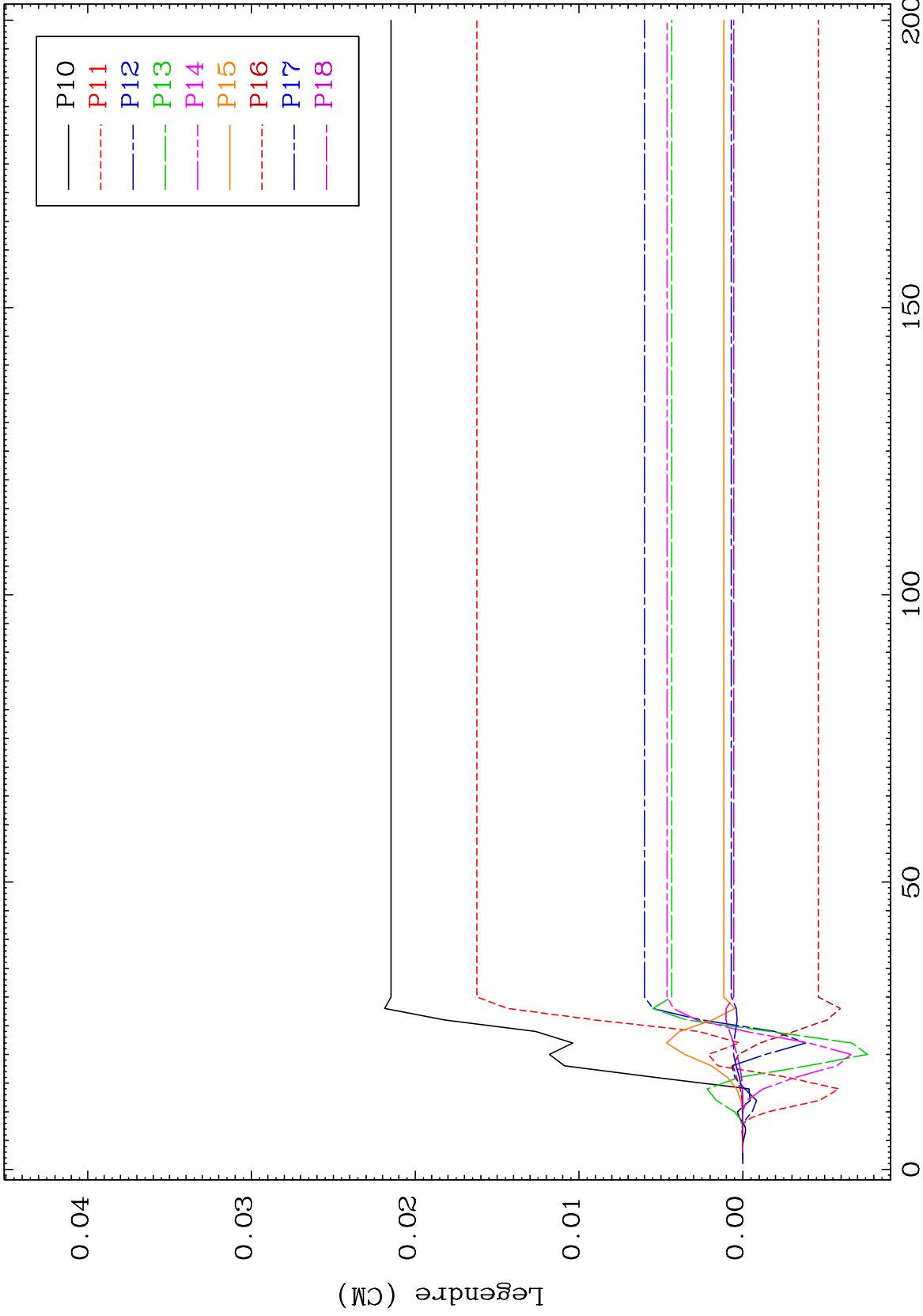
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



28

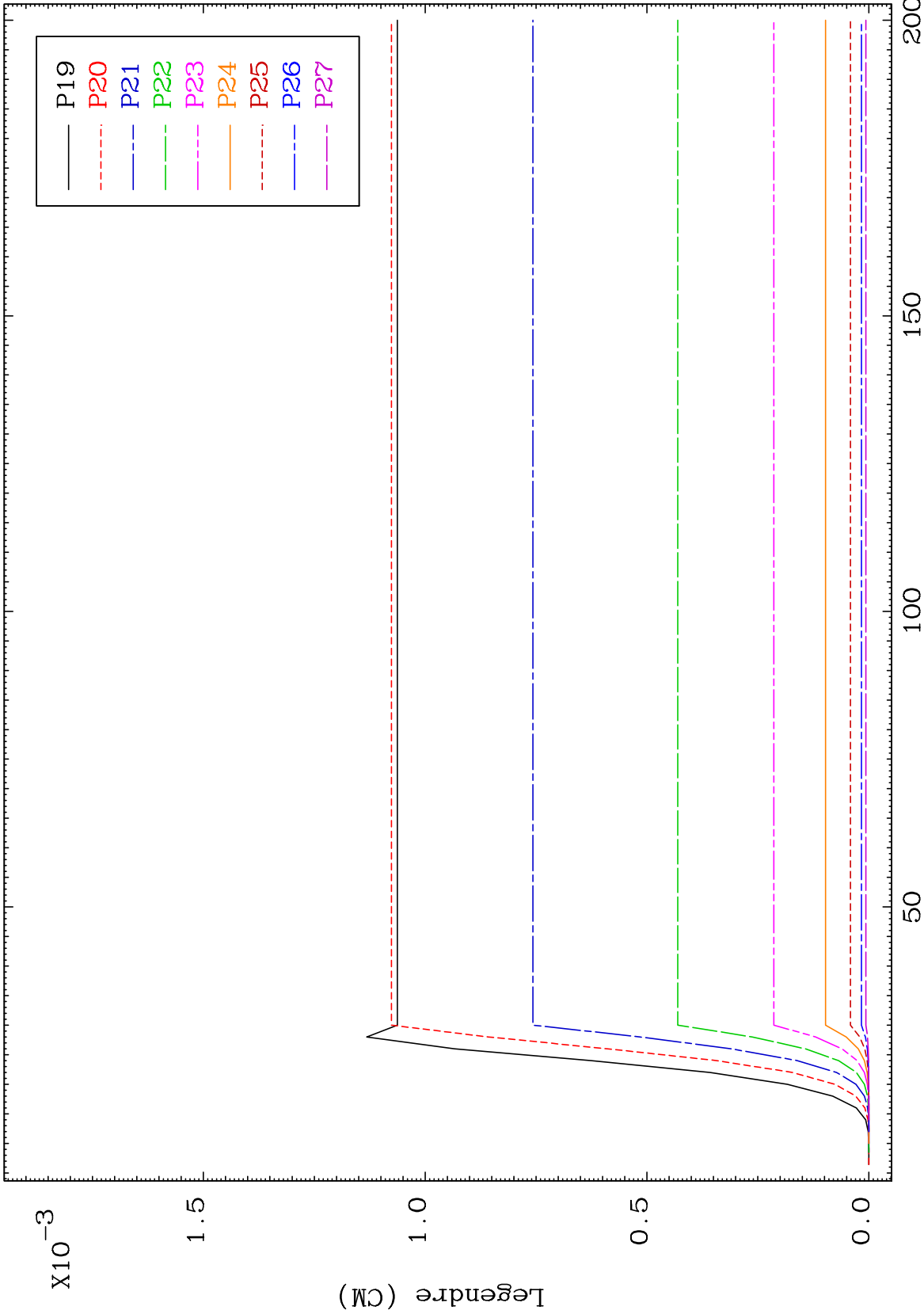
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130

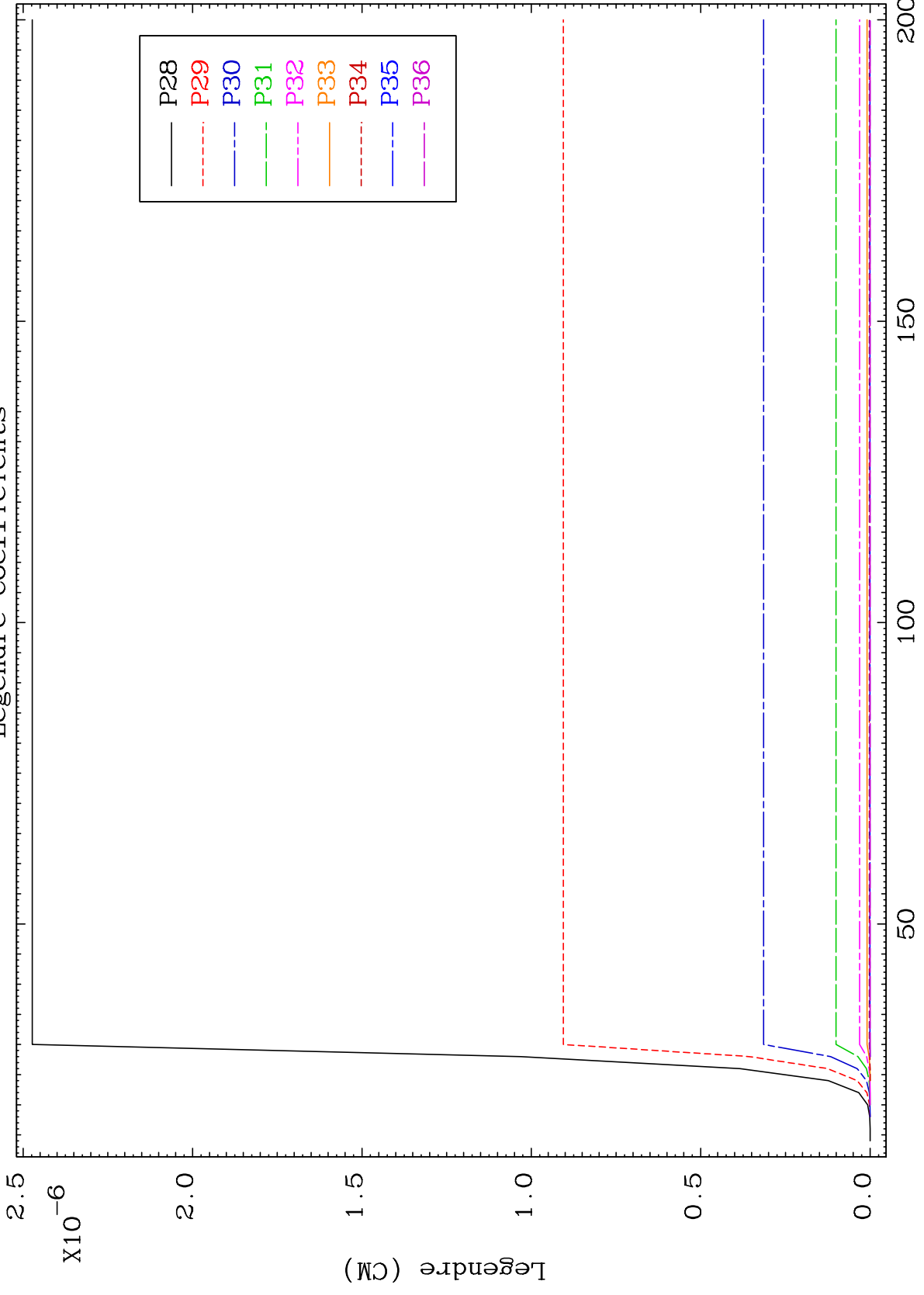


29

Incident Energy (MeV)

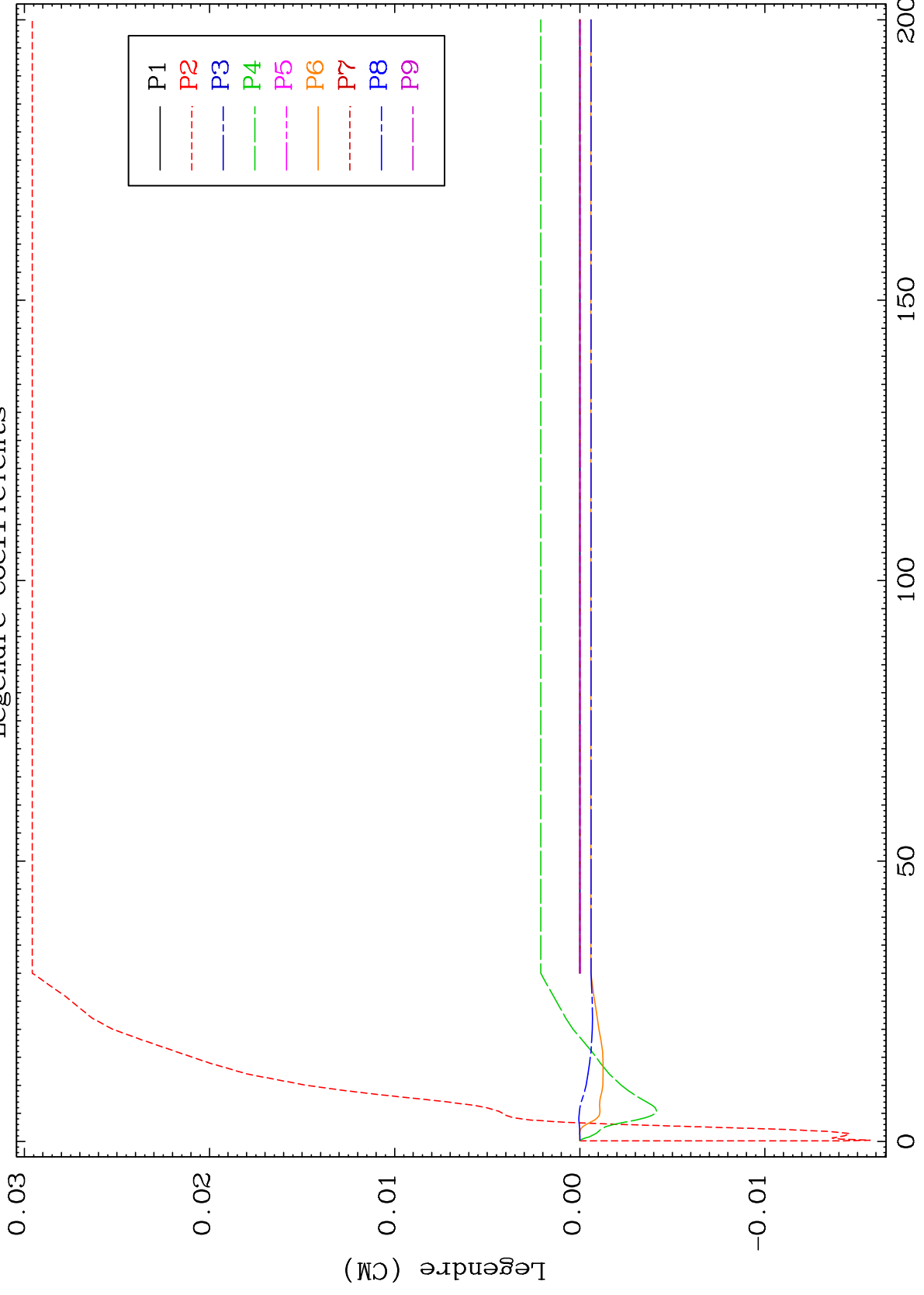
51-Sb-130

MAT 5152 MT= 53 (n,n') Level Legendre Coefficients 51-Sb-130



30 50 100 150 200 51-Sb-130

MAT 5152 MT= 54 (n,n') Level Legendre Coefficients 51-Sb-130

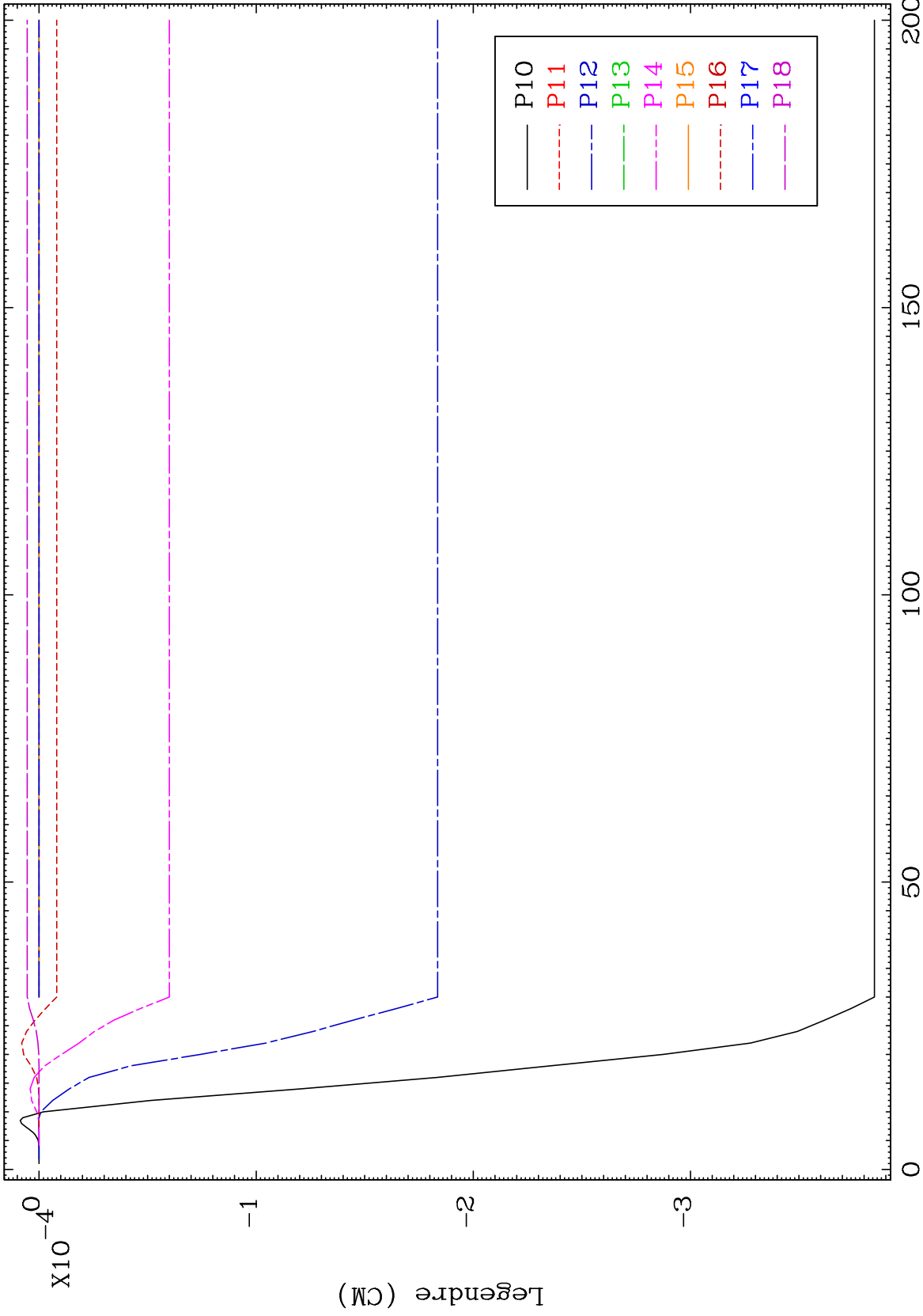


31 51-Sb-130

MAT 5152

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

51-Sb-130



32

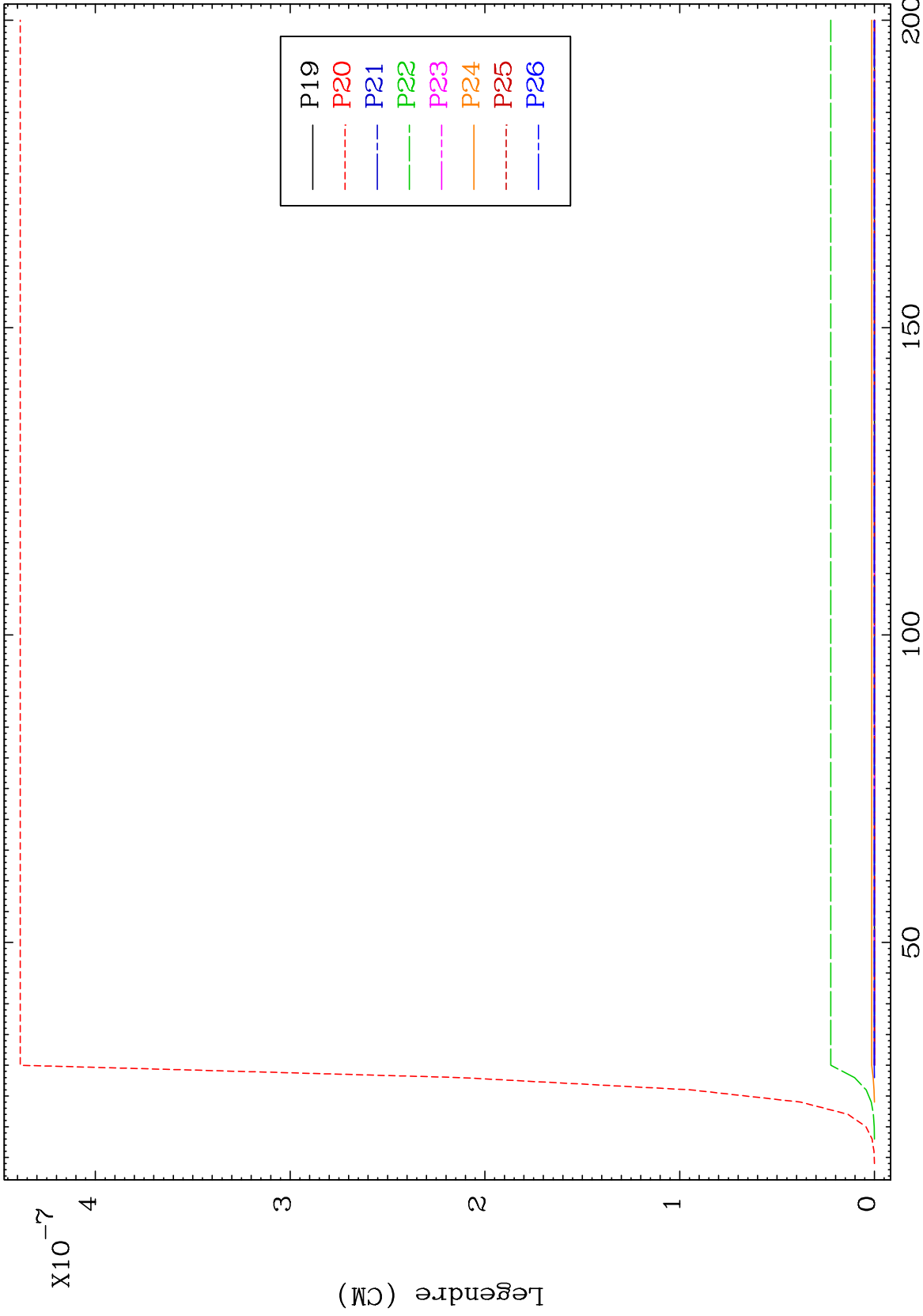
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



33

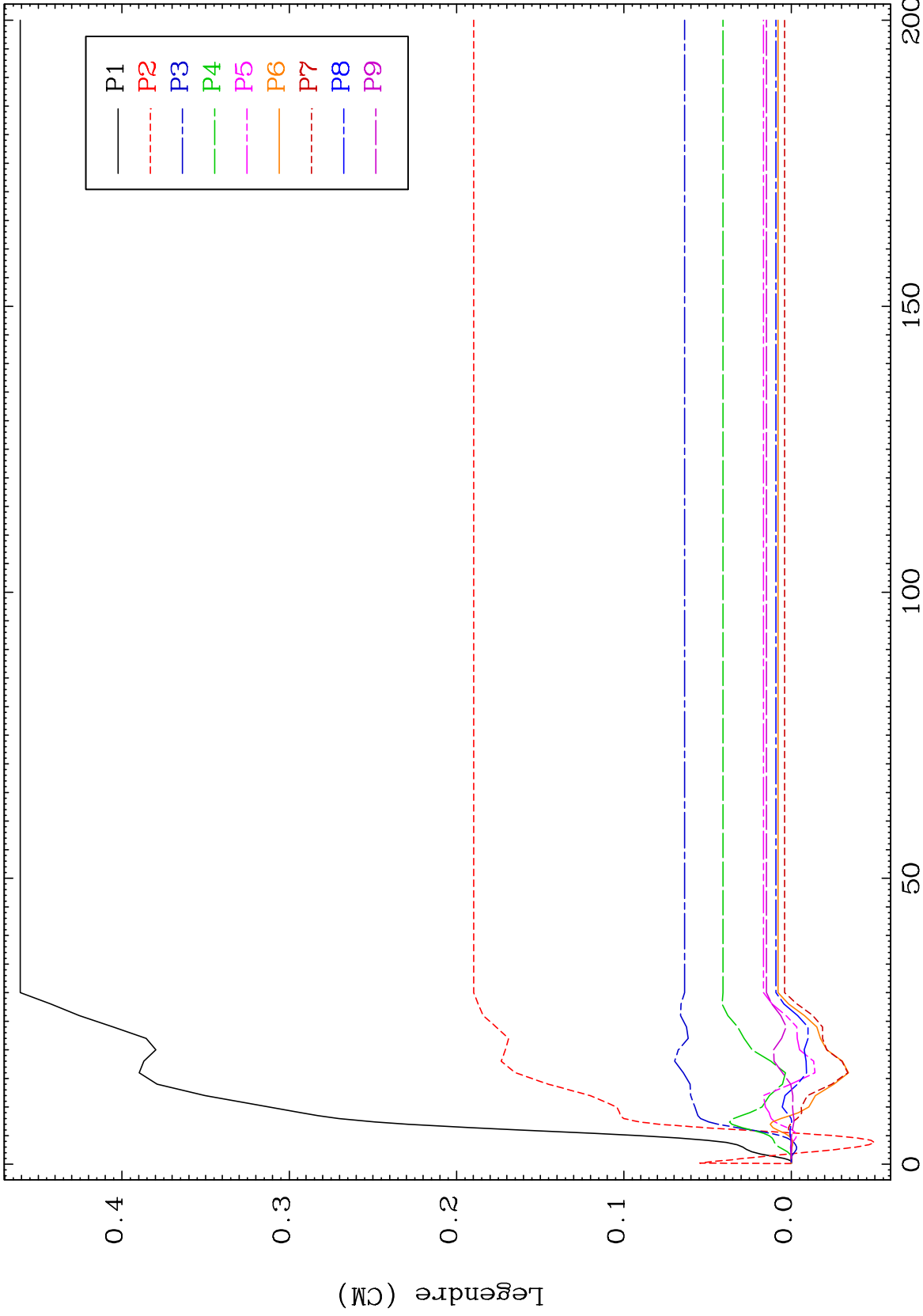
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



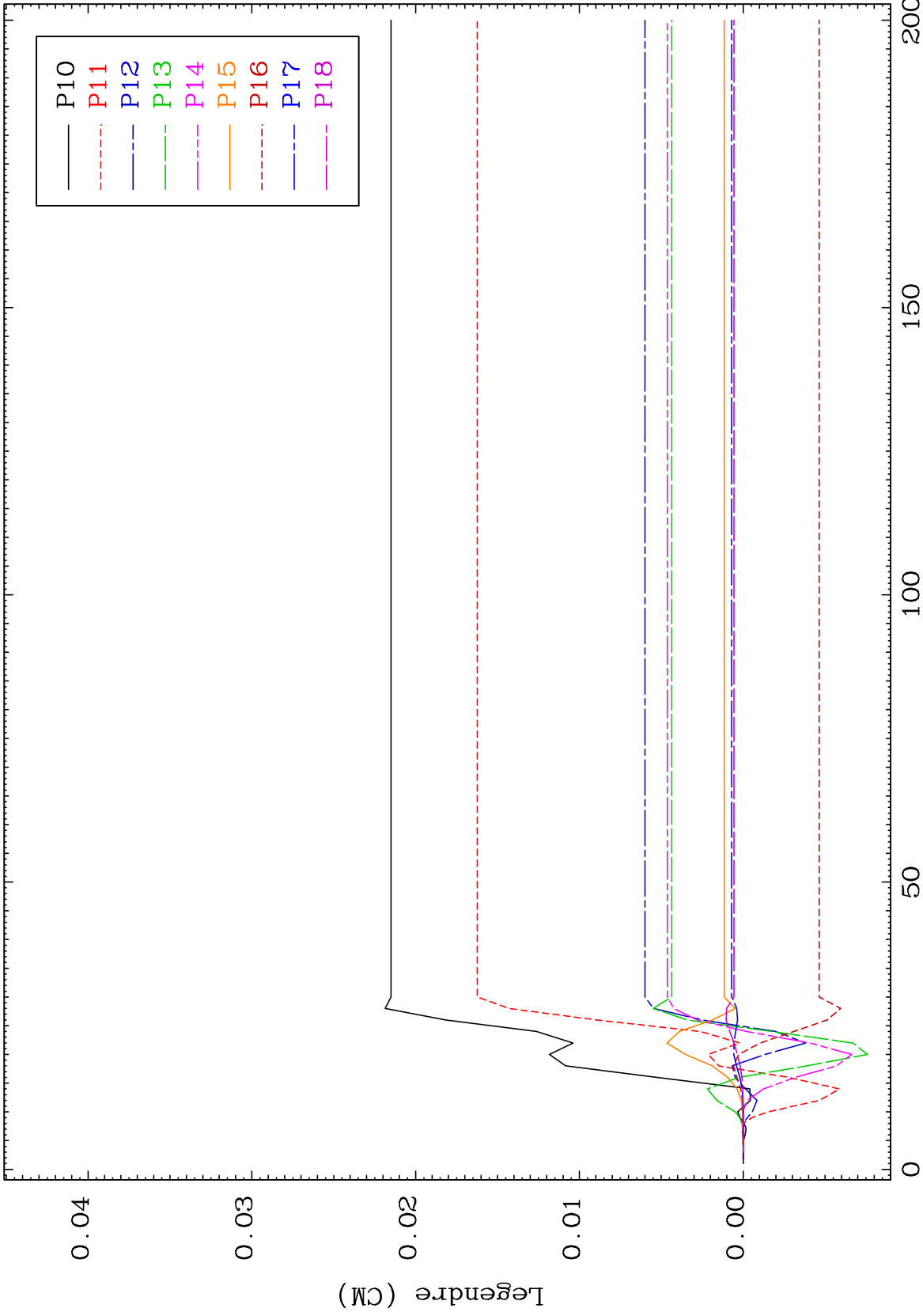
34

51-Sb-130

MAT 5152

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

51-Sb-130



35

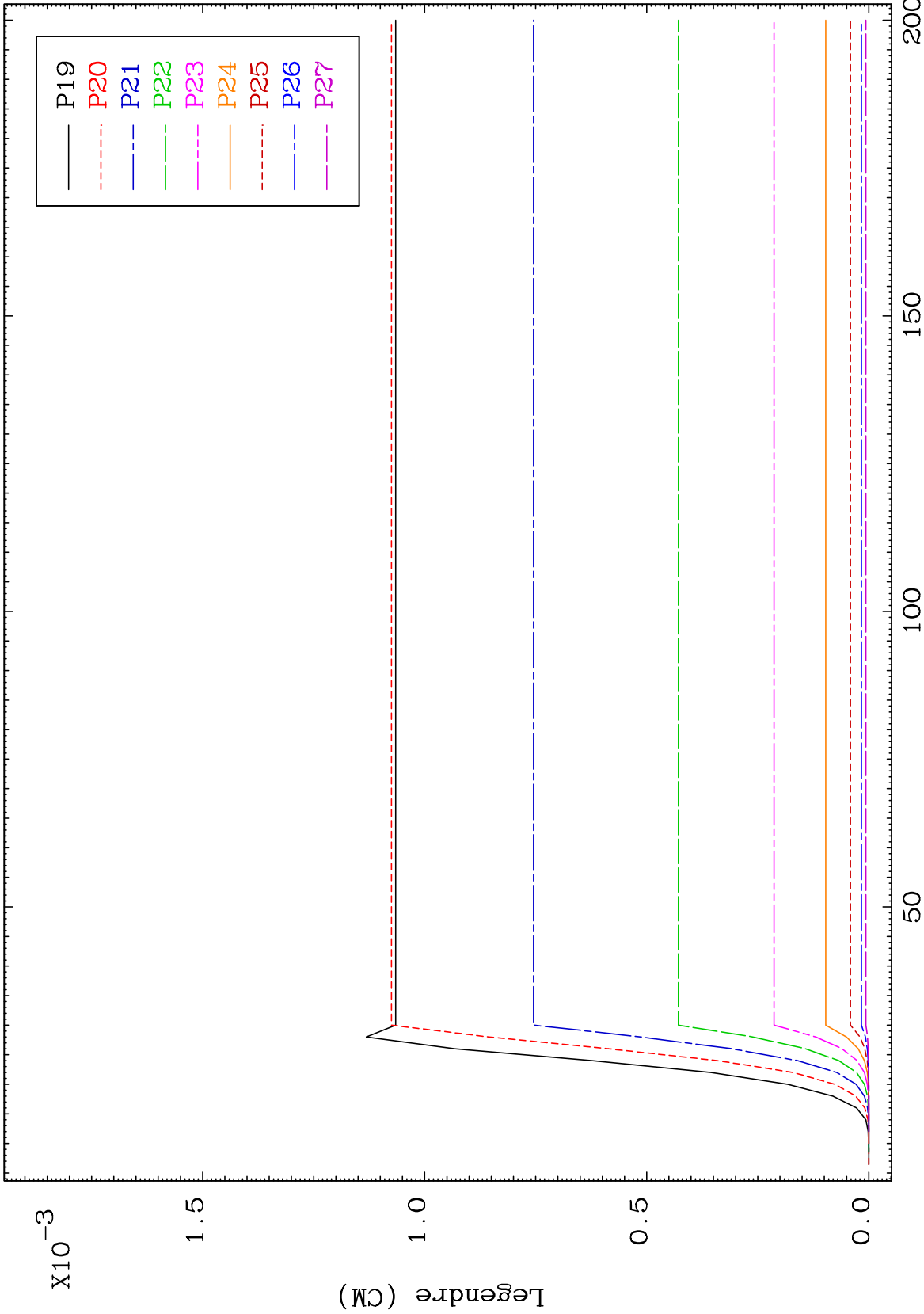
Incident Energy (MeV)

51-Sb-130

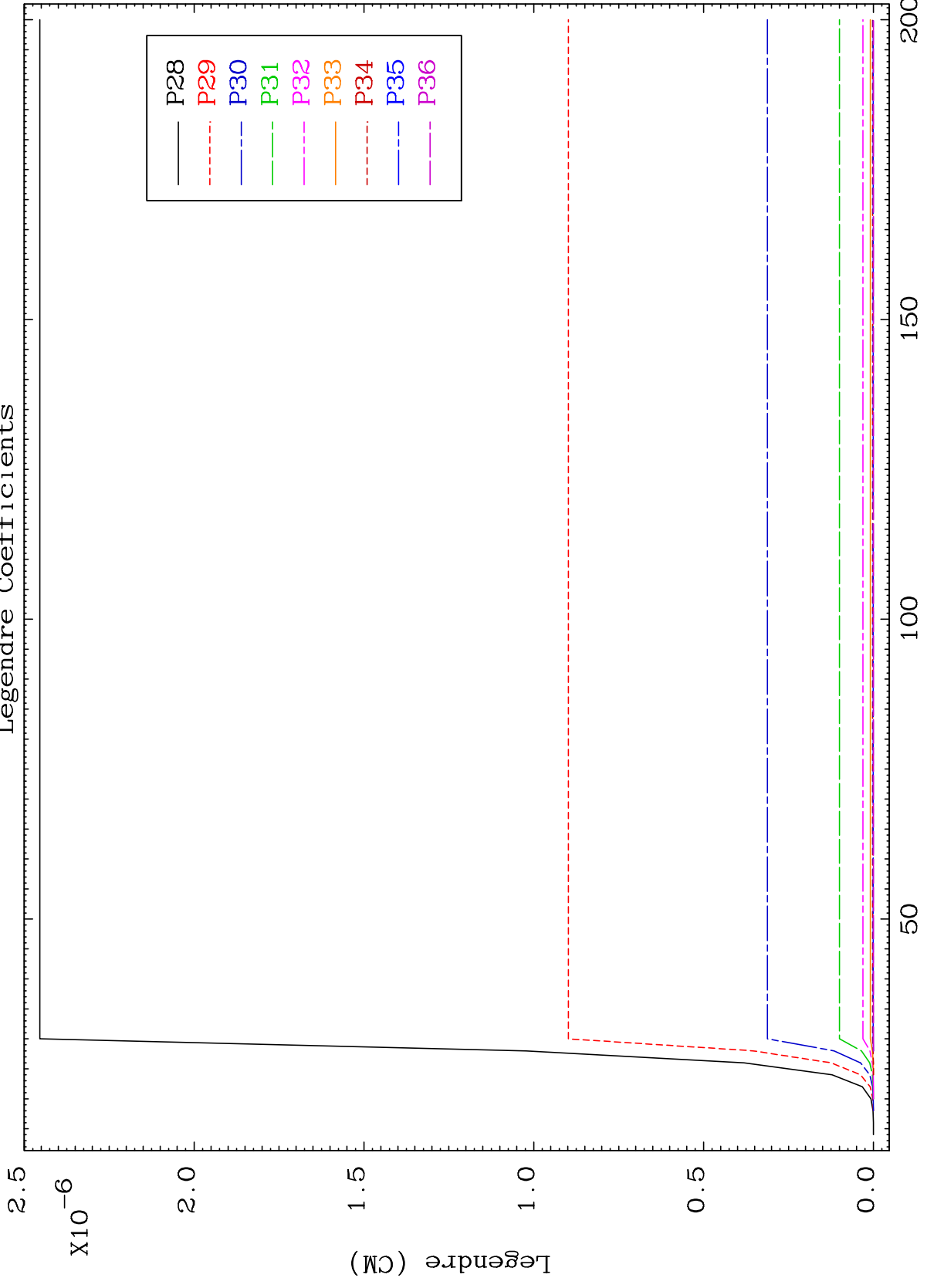
MAT 5152

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

51-Sb-130



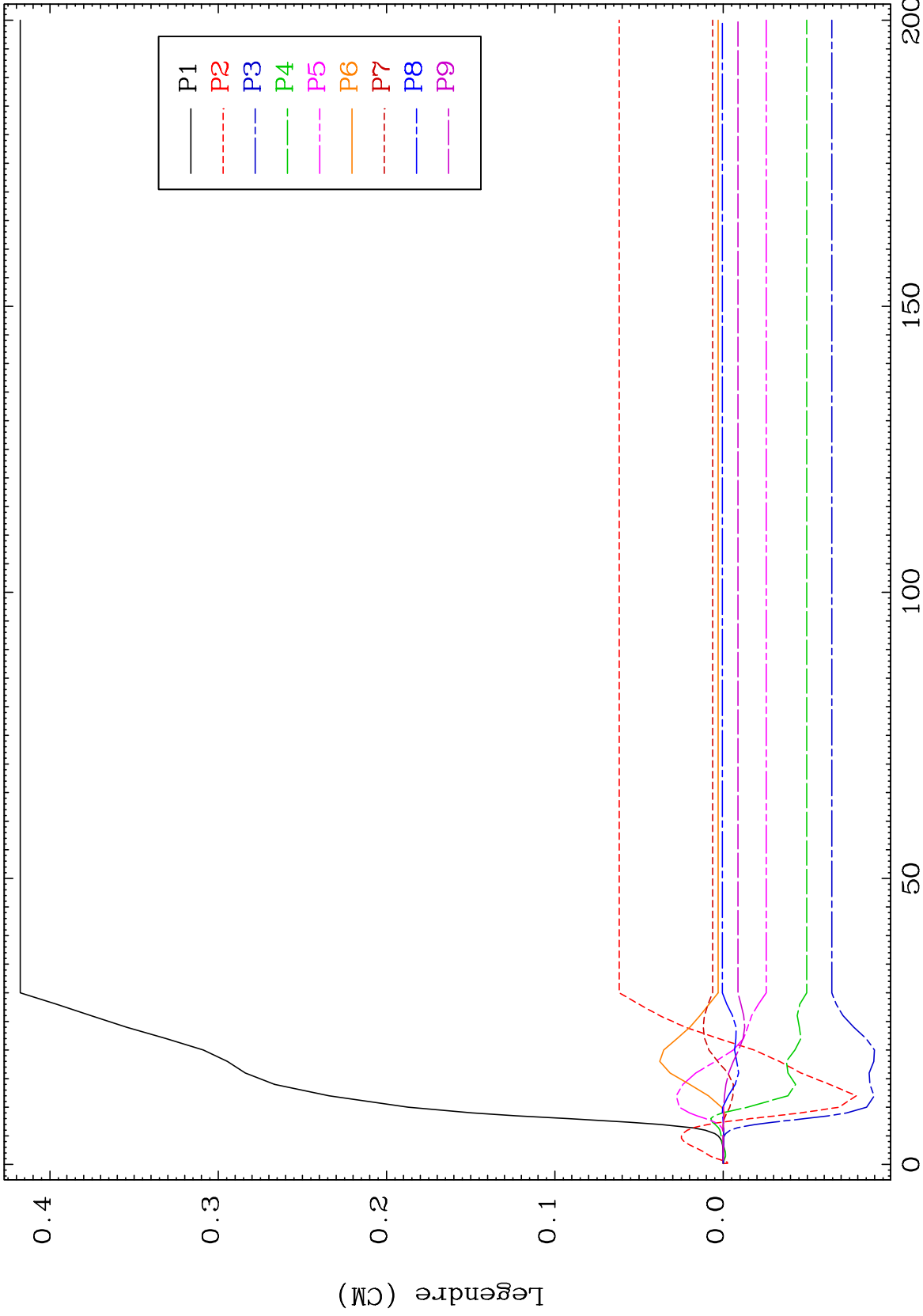
36



MAT 5152

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

51-Sb-130



38

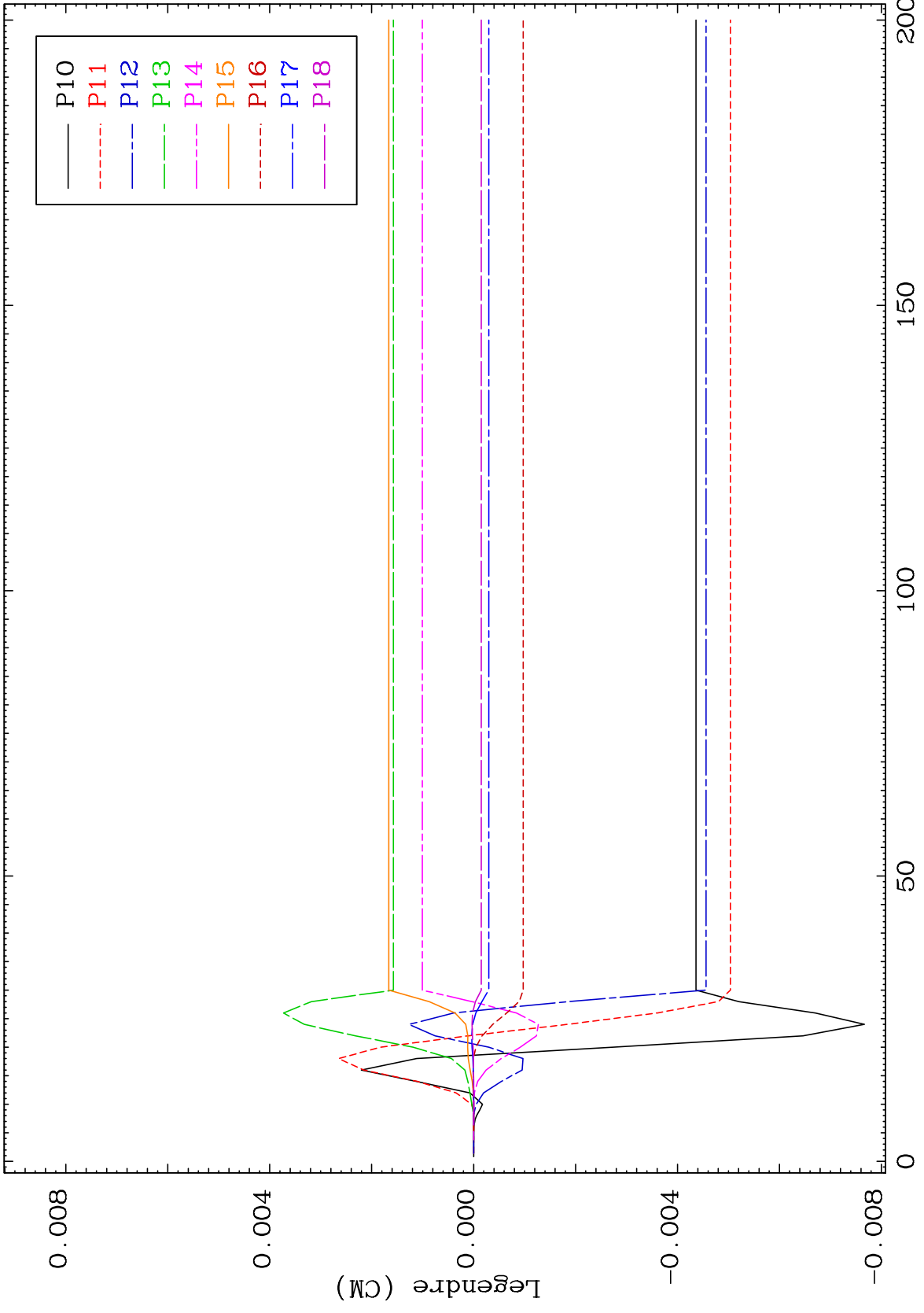
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



39

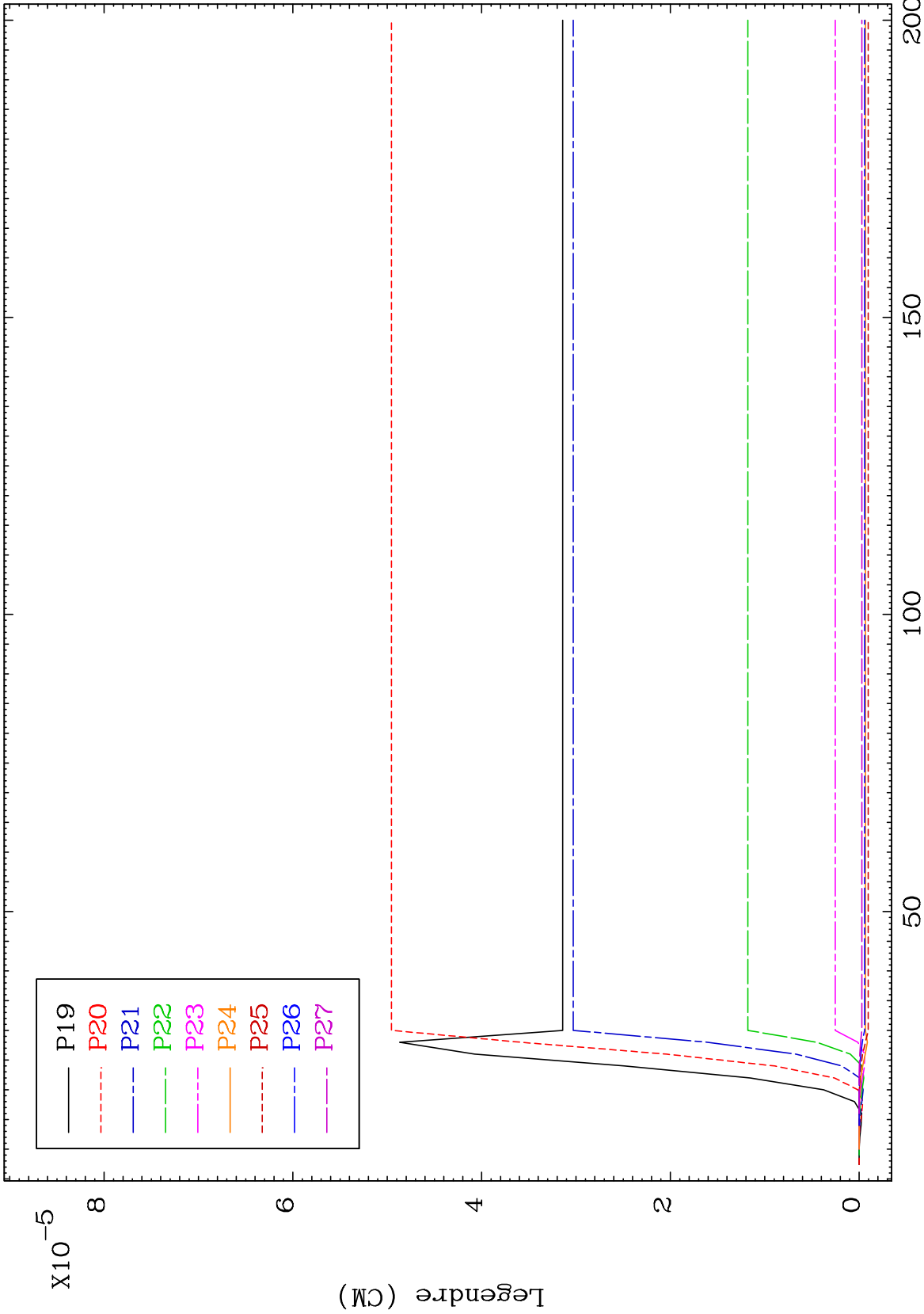
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130

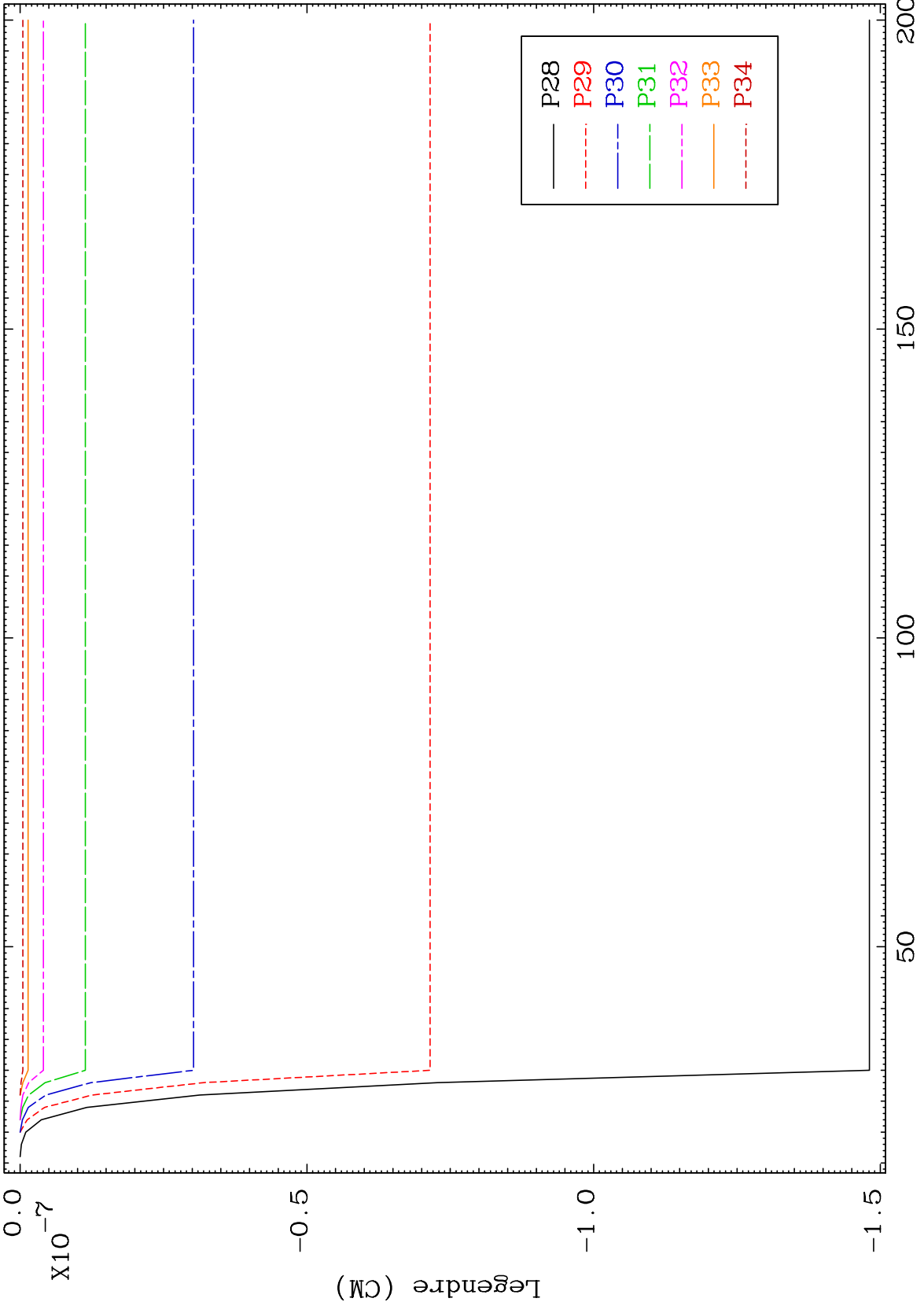


40

Incident Energy (MeV)

51-Sb-130

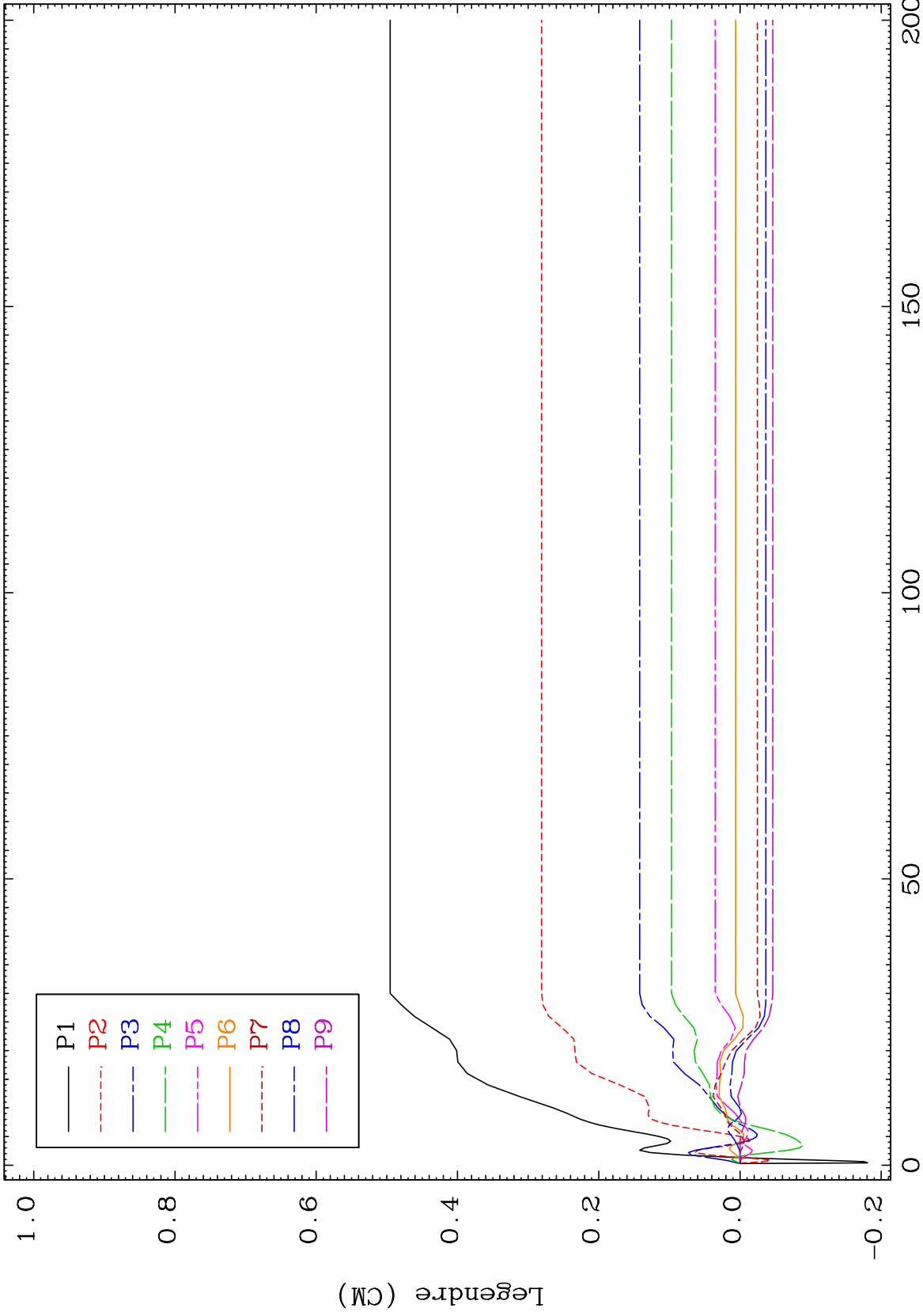
MAT 5152 MT= 56 (n,n') Level Legendre Coefficients 51-Sb-130



MAT 5152

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

51-Sb-130



42

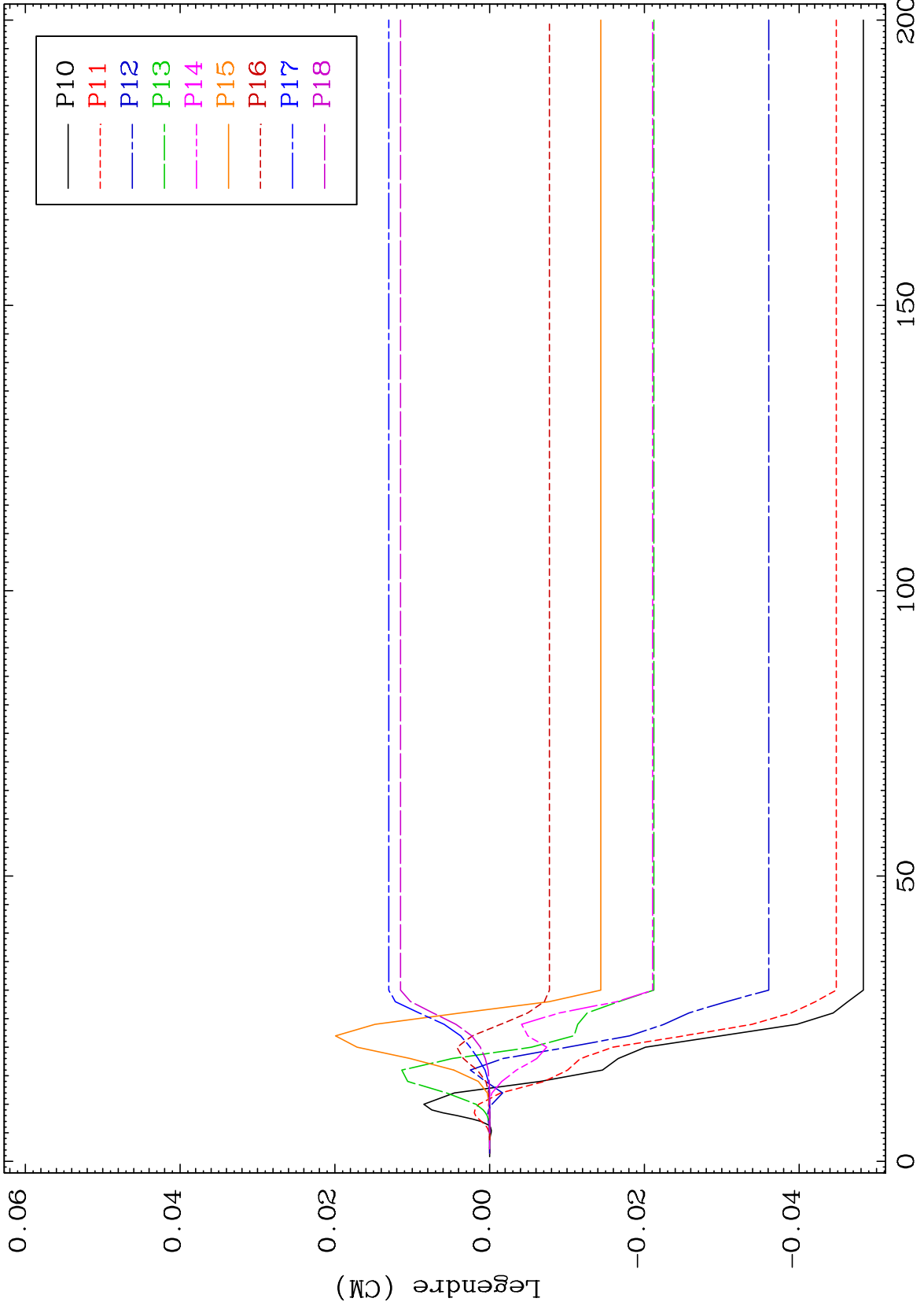
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



43

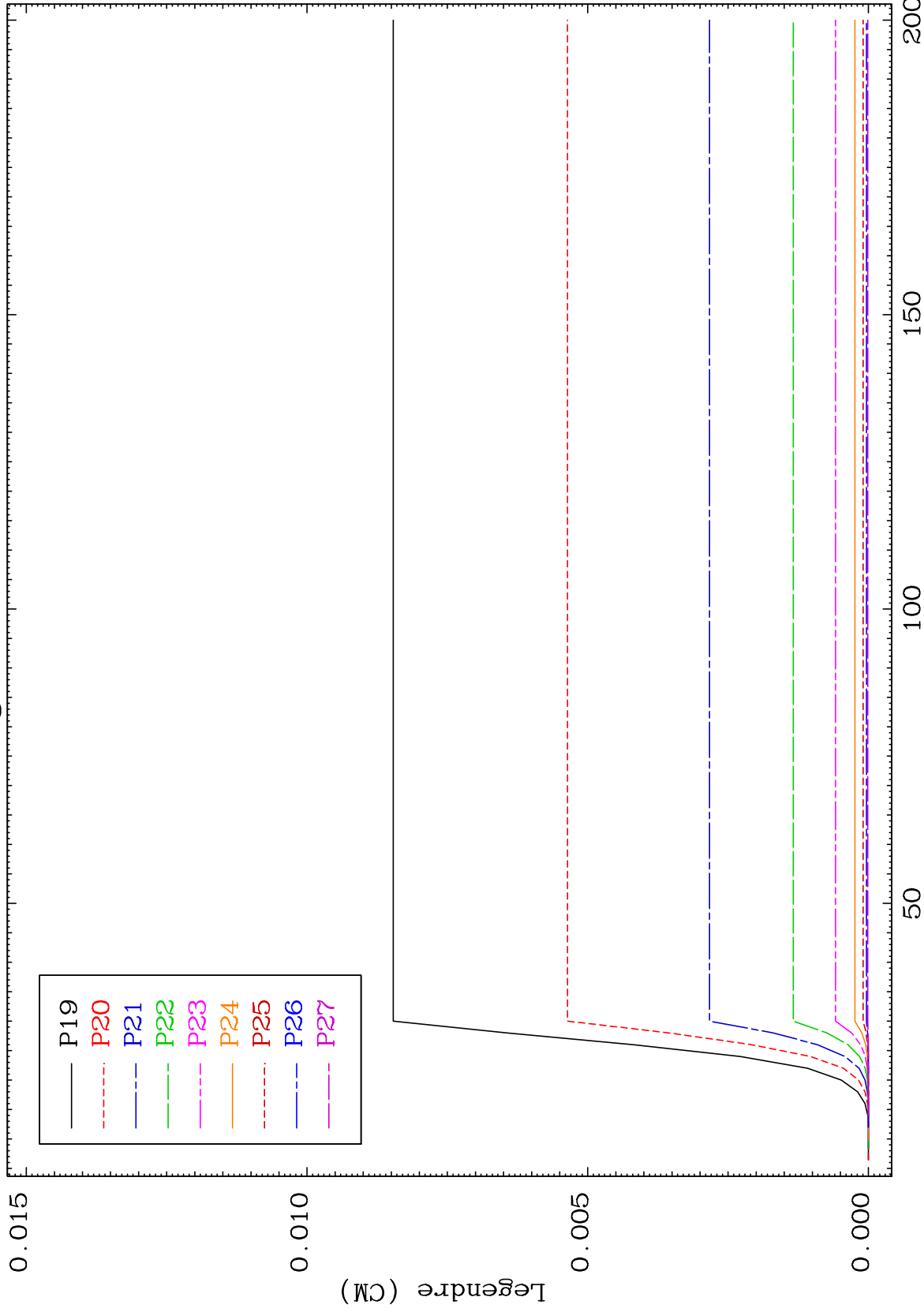
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



44

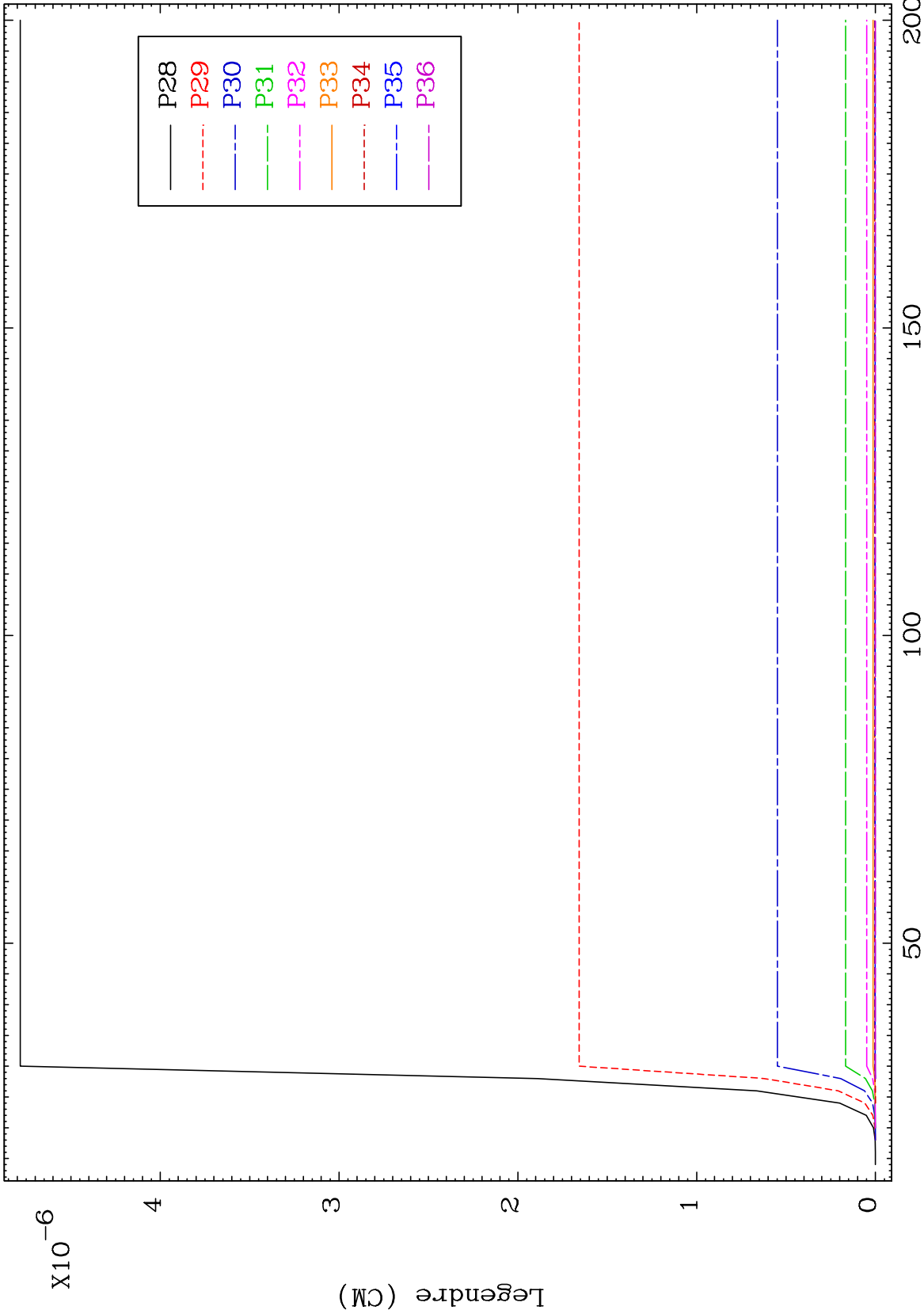
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



45

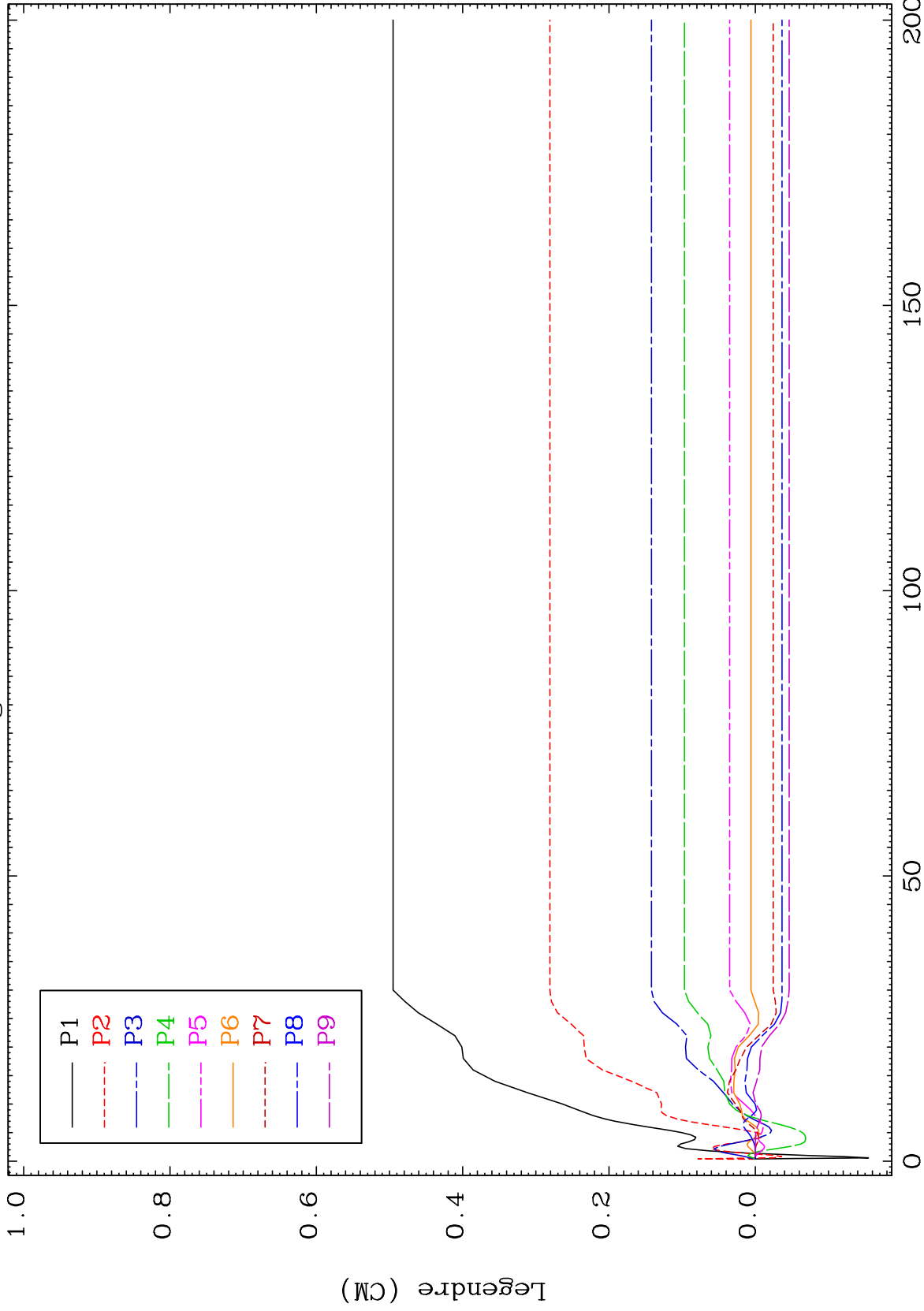
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



46

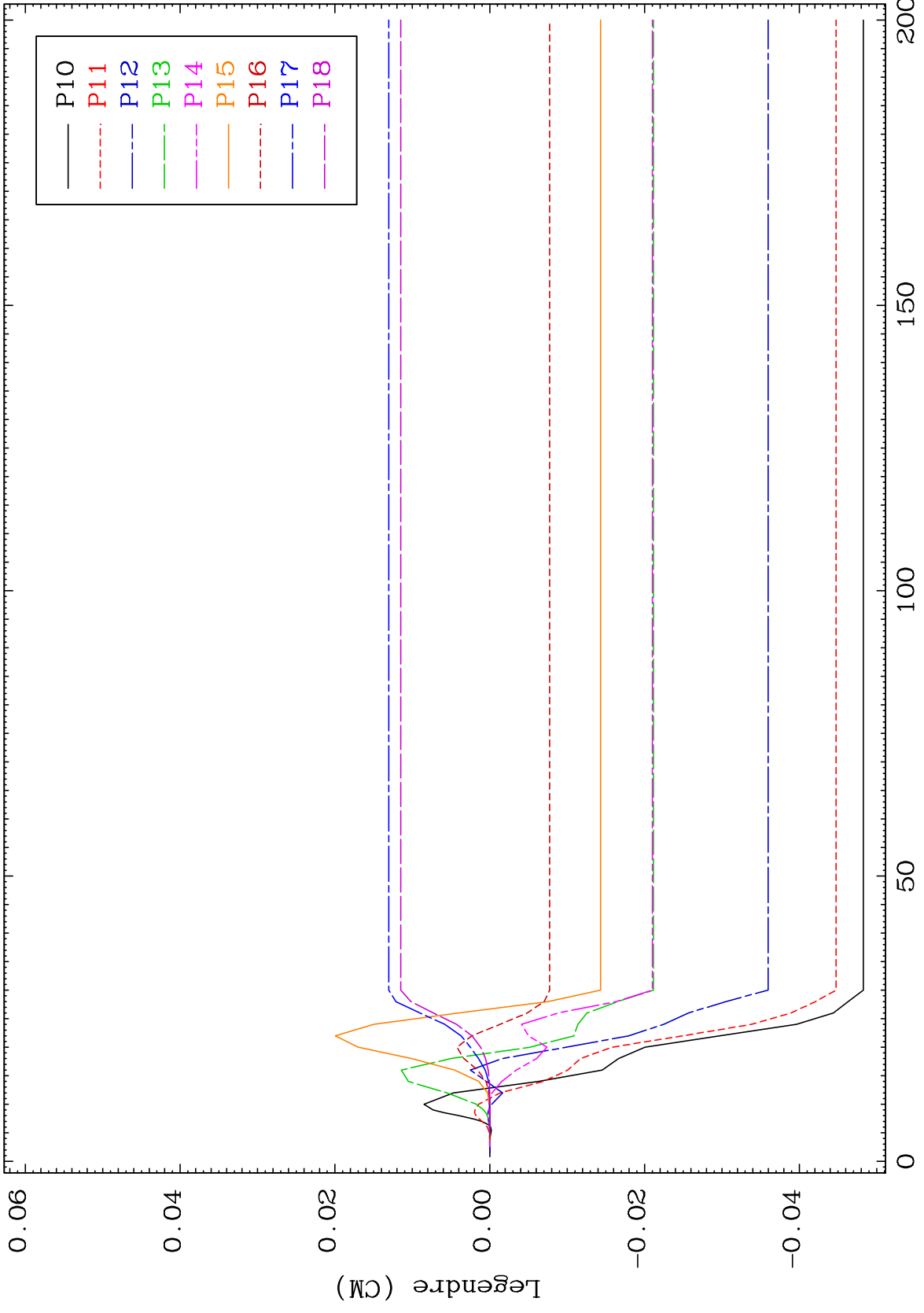
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



47

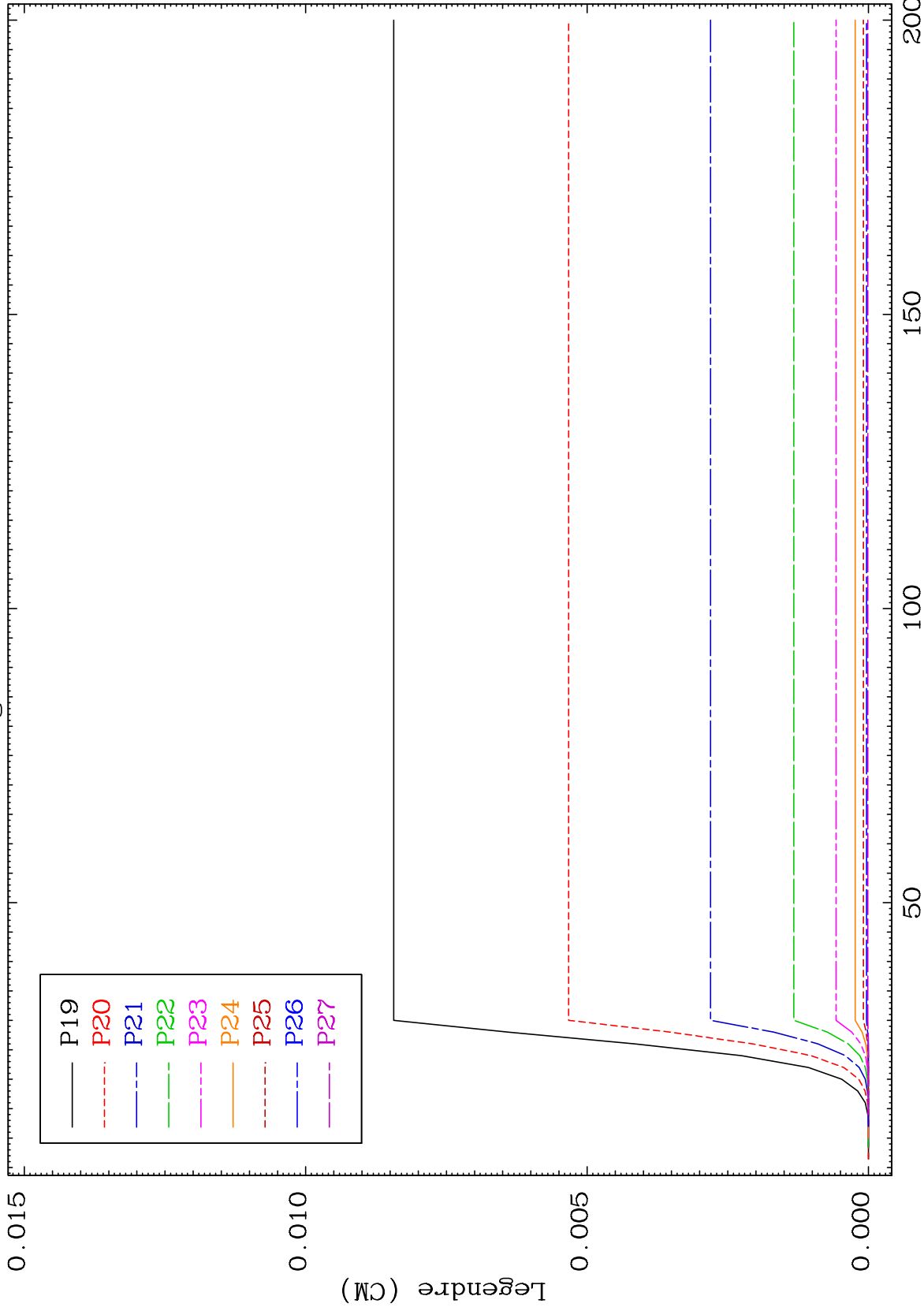
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



48

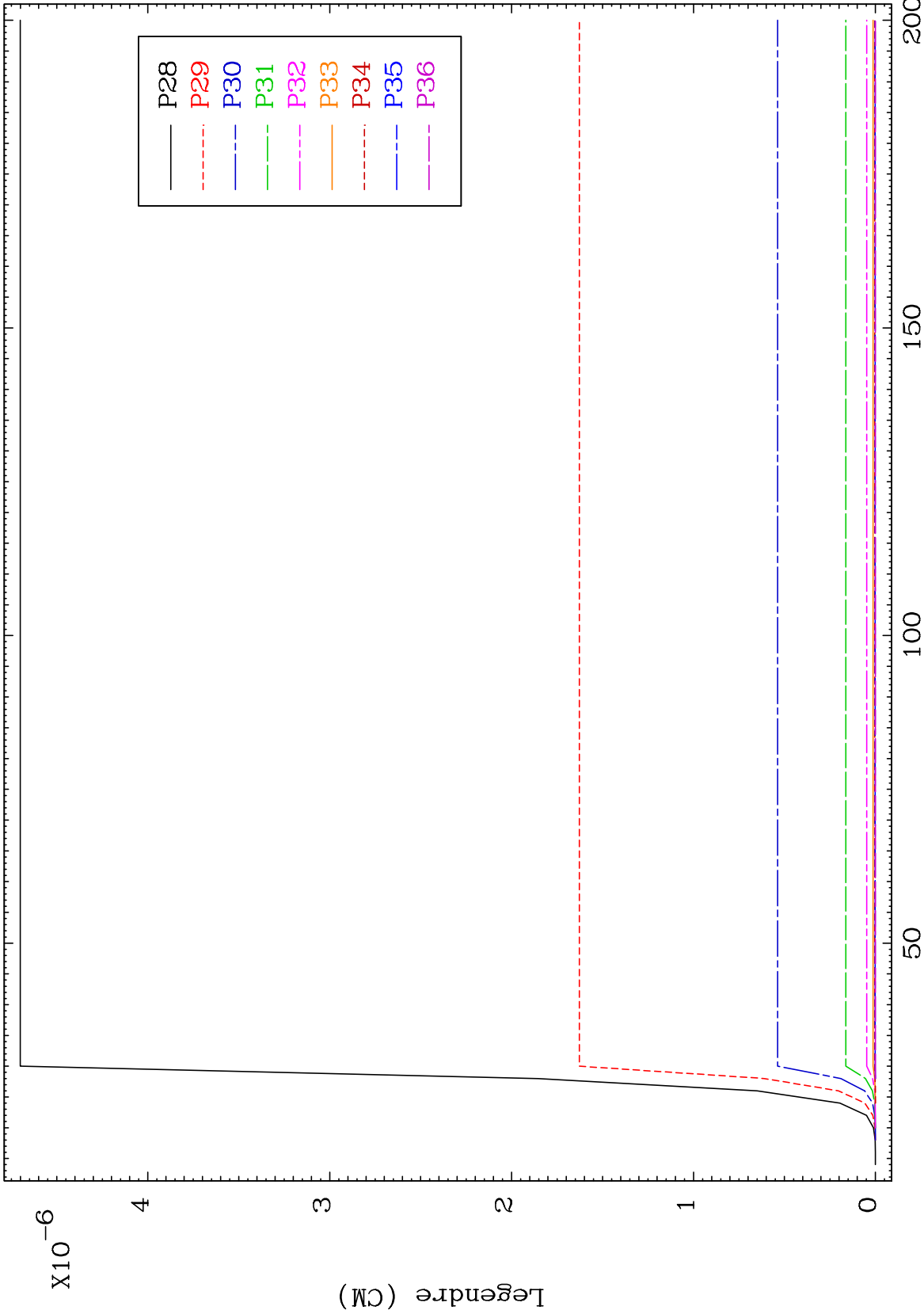
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



49

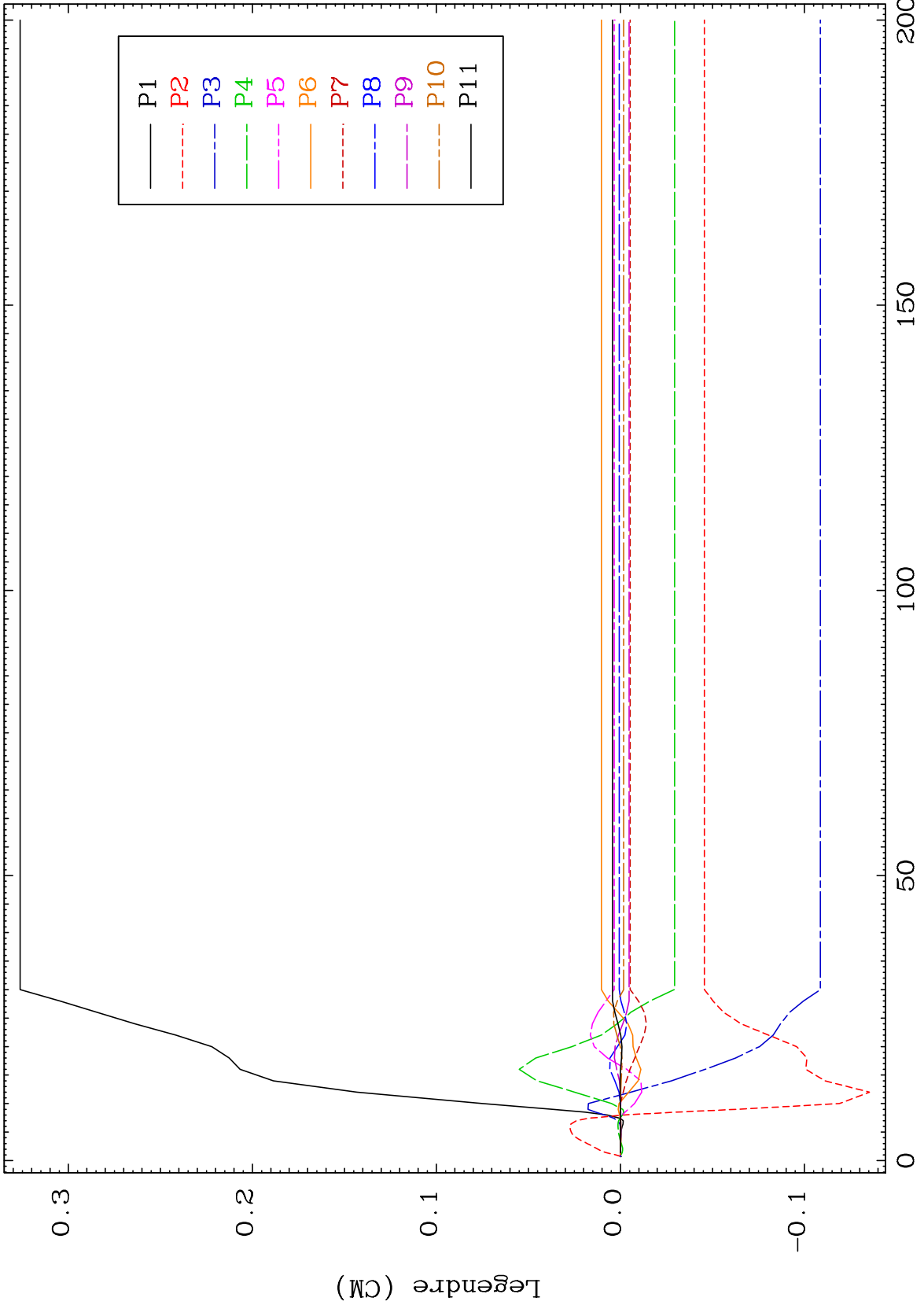
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



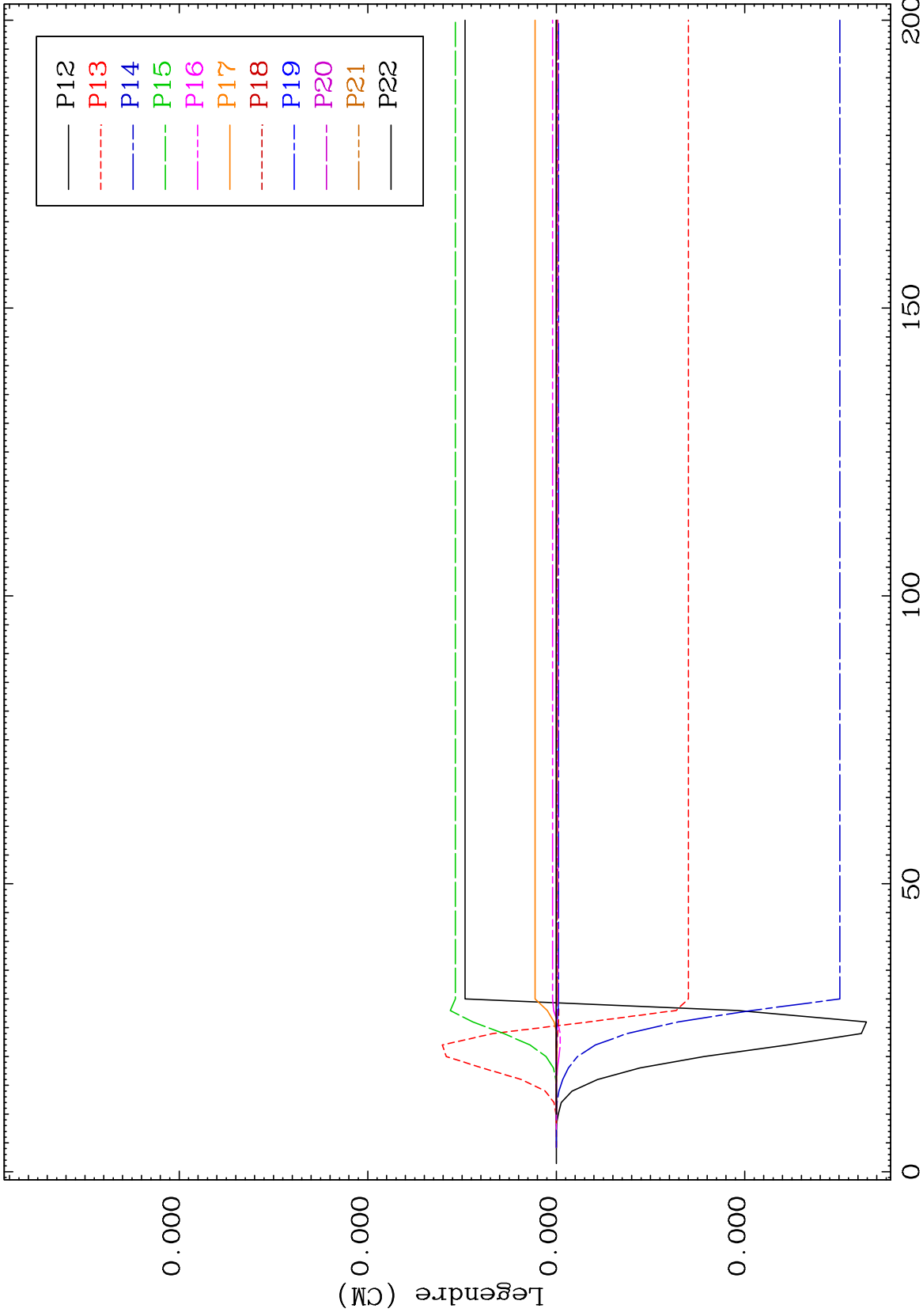
51-Sb-130

Incident Energy (MeV)

MAT 5152

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

51-Sb-130



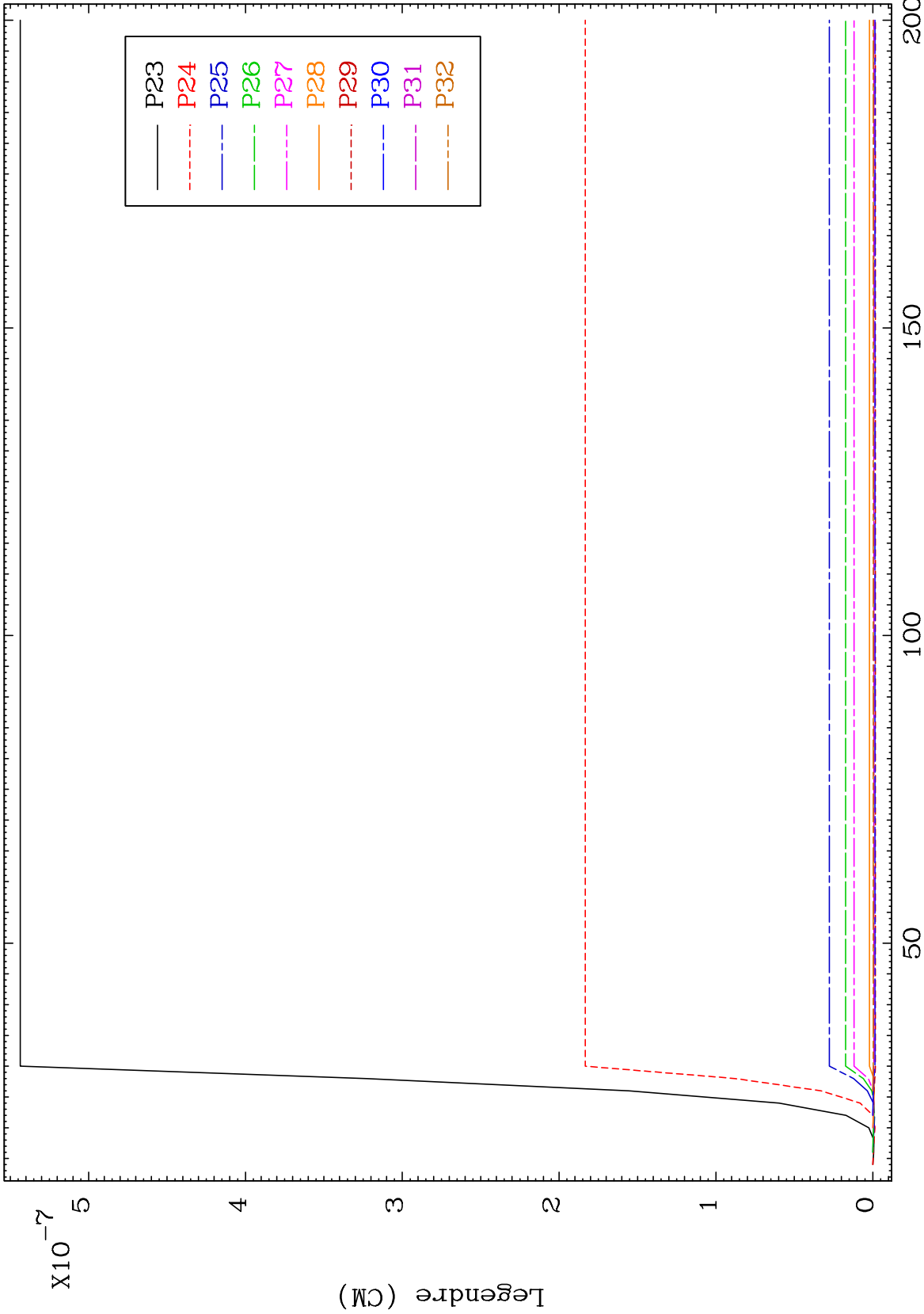
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51-Sb-130

MAT 5152

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

51-Sb-130



52

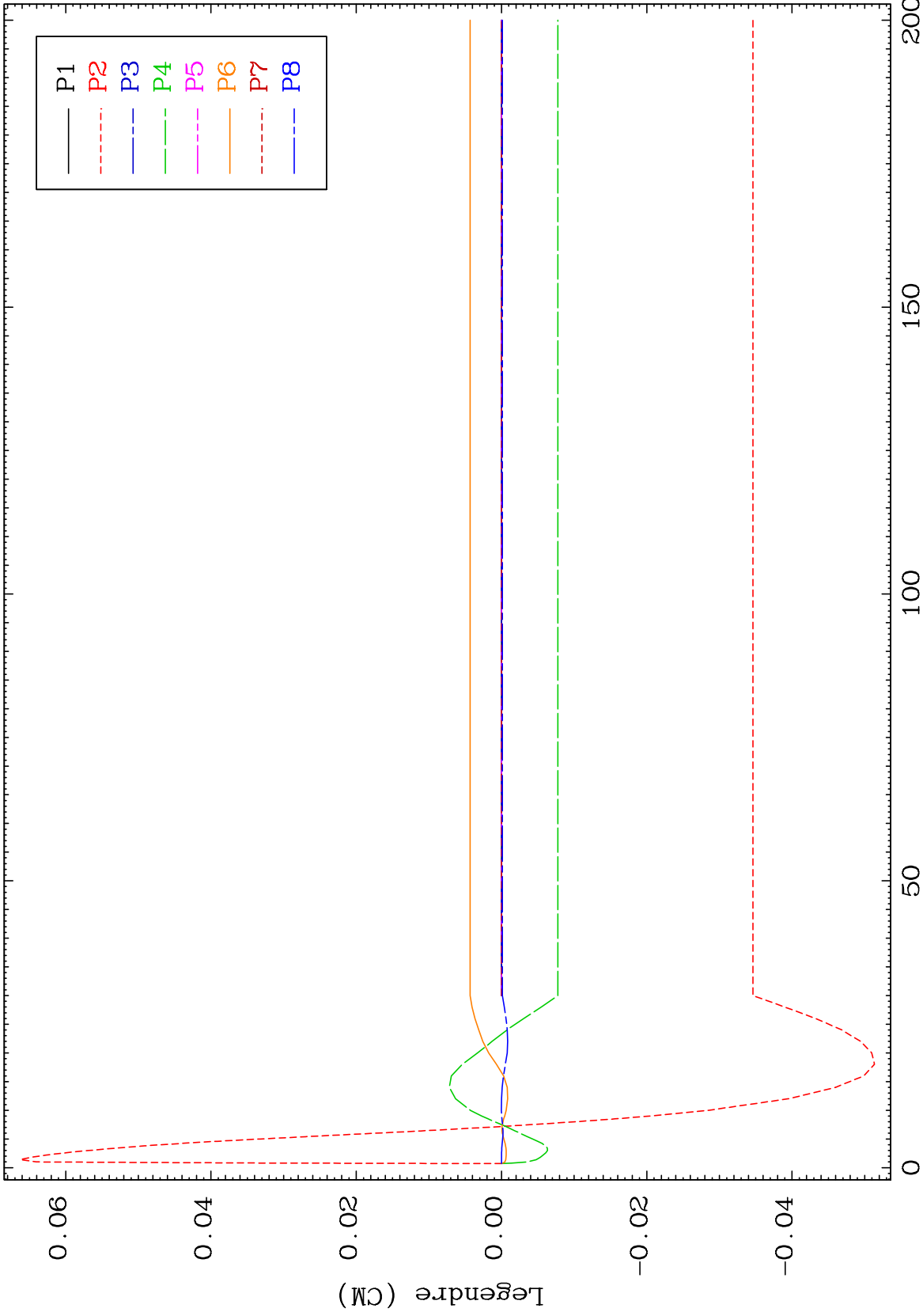
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



53

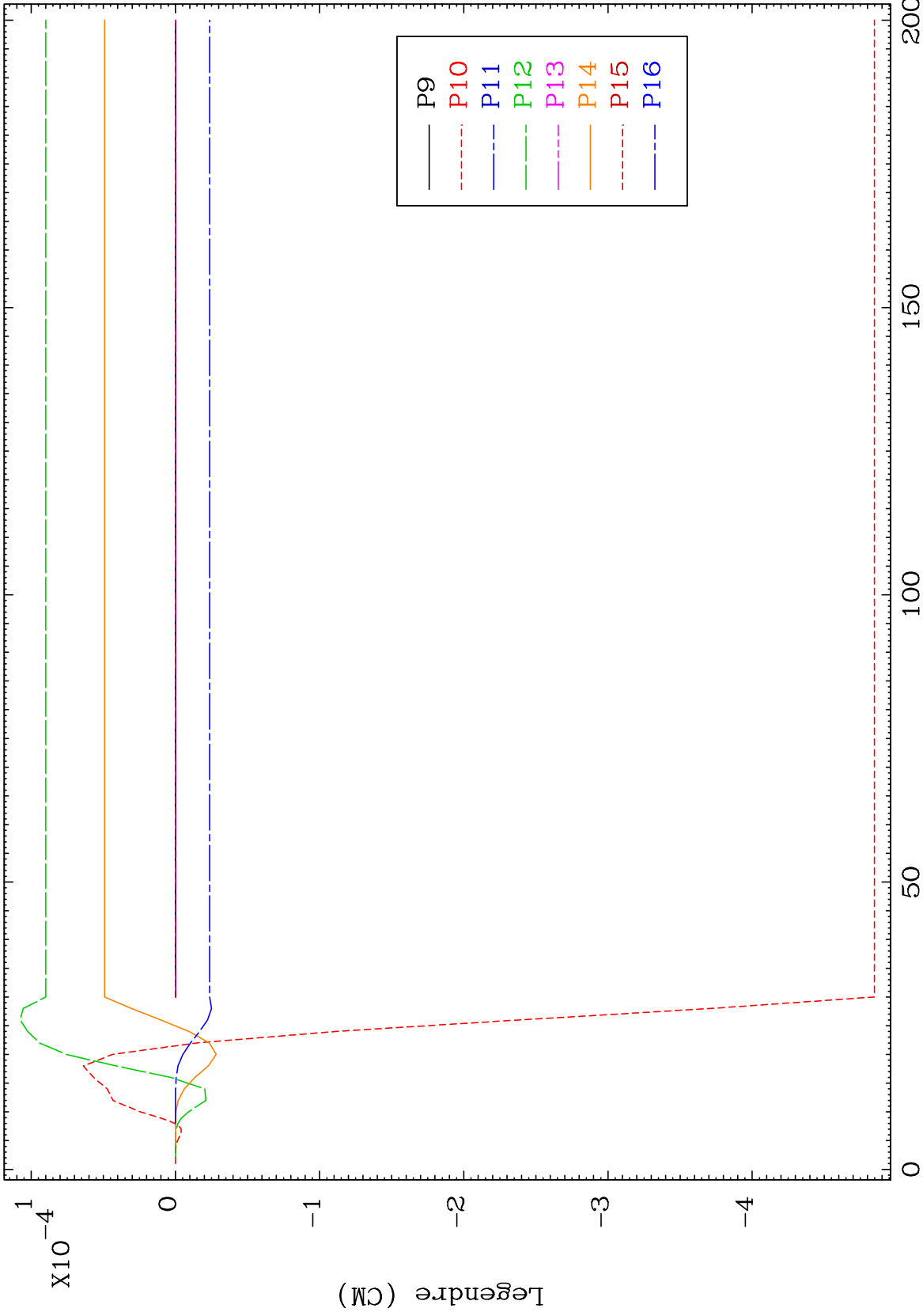
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130

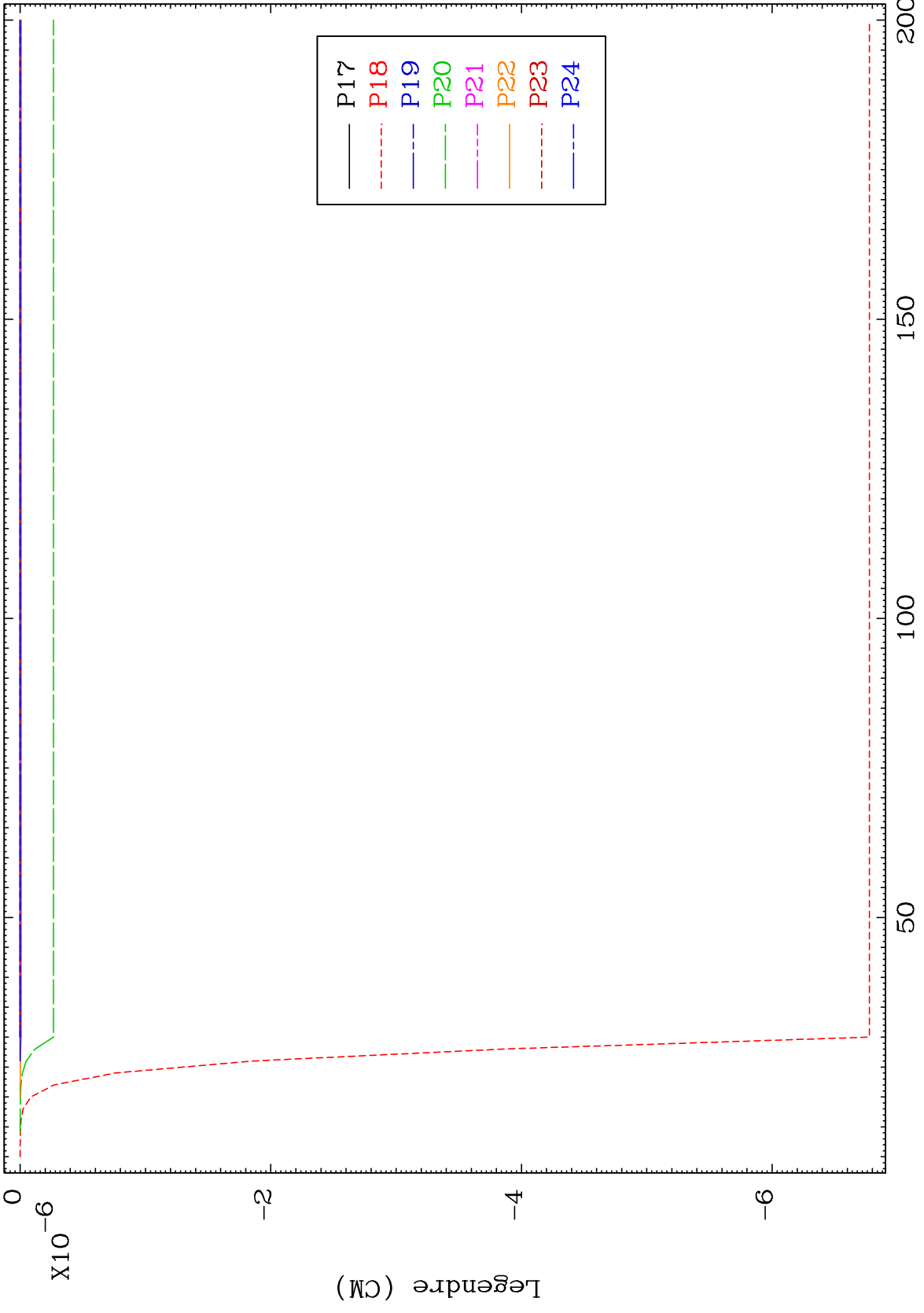


54

Incident Energy (MeV)

51-Sb-130

MAT 5152 MT= 60 (n,n') Level Legendre Coefficients 51-Sb-130

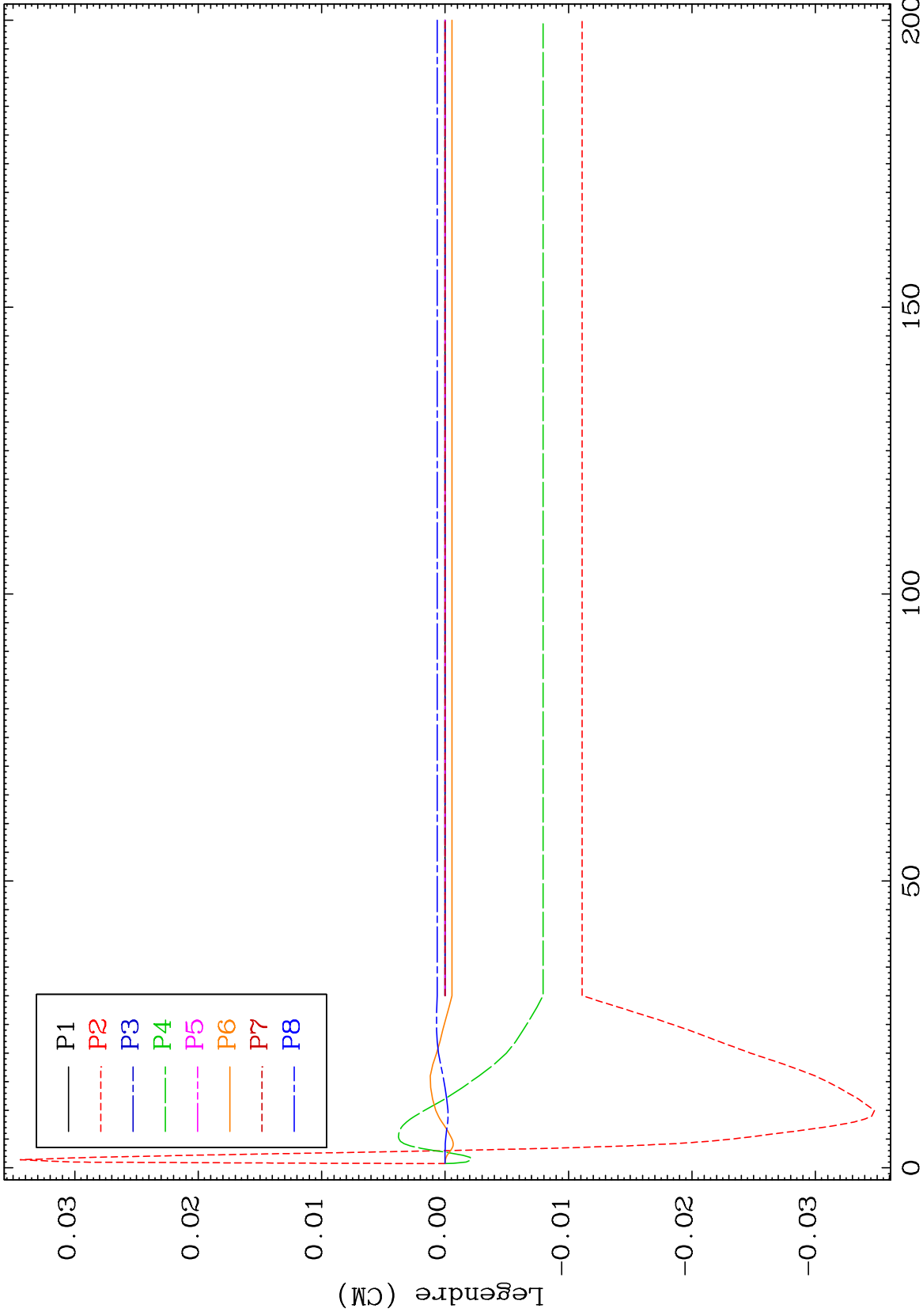


55 51-Sb-130

MAT 5152

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

51-Sb-130

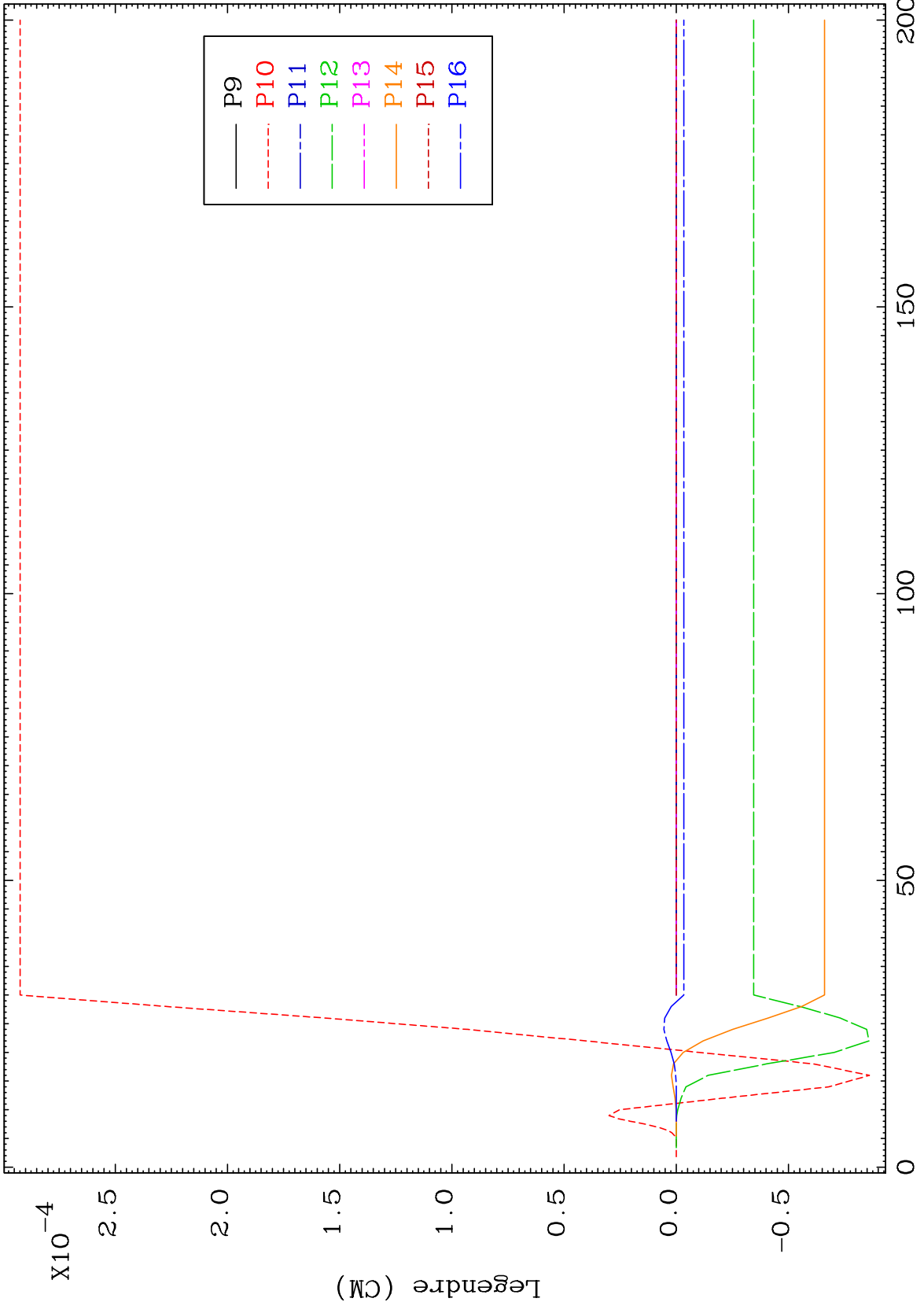


56

Incident Energy (MeV)

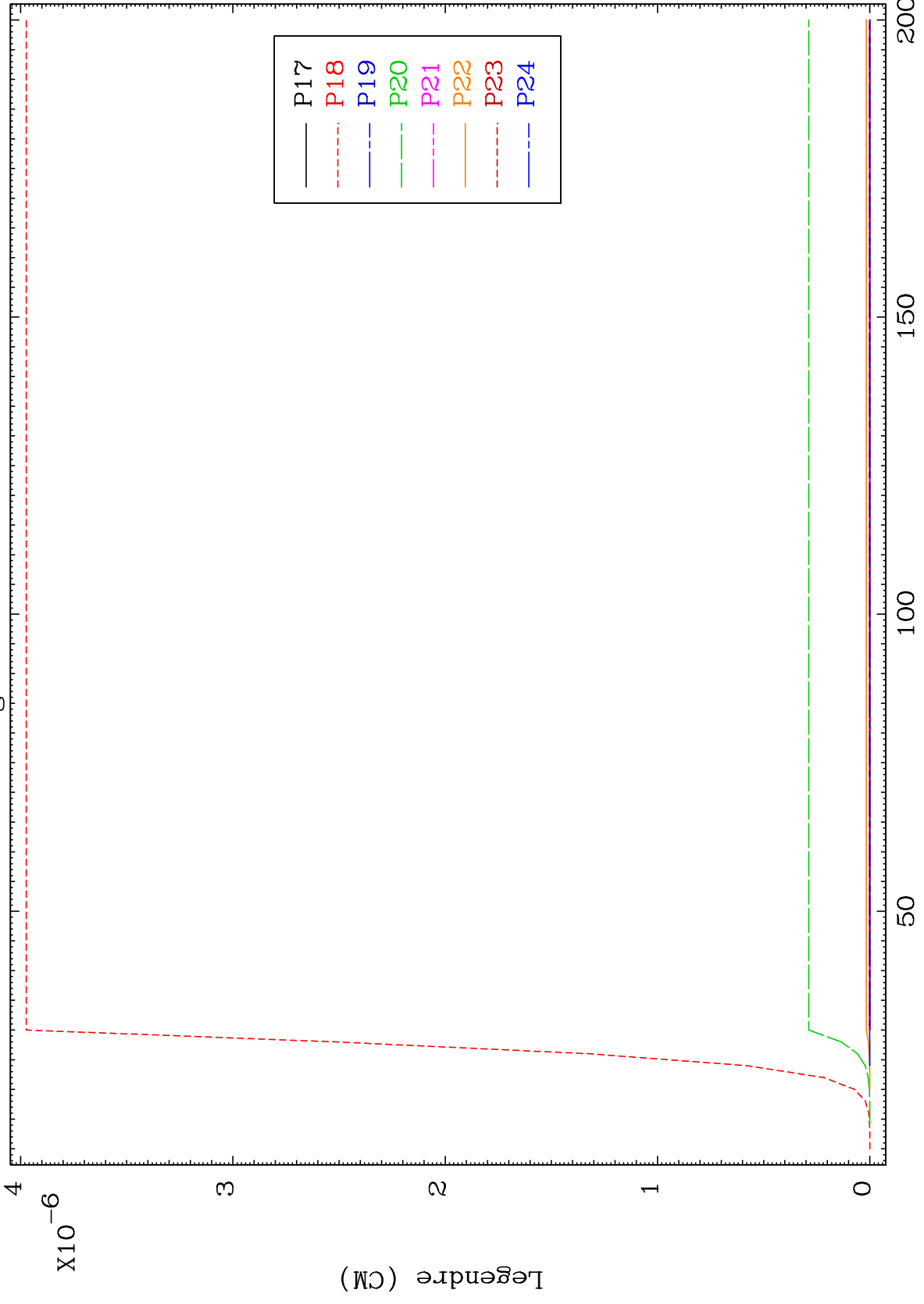
51-Sb-130

MAT 5152 MT= 61 (n,n') Level Legendre Coefficients 51-Sb-130



57 51-Sb-130

MAT 5152 MT= 61 (n,n') Level Legendre Coefficients 51-Sb-130

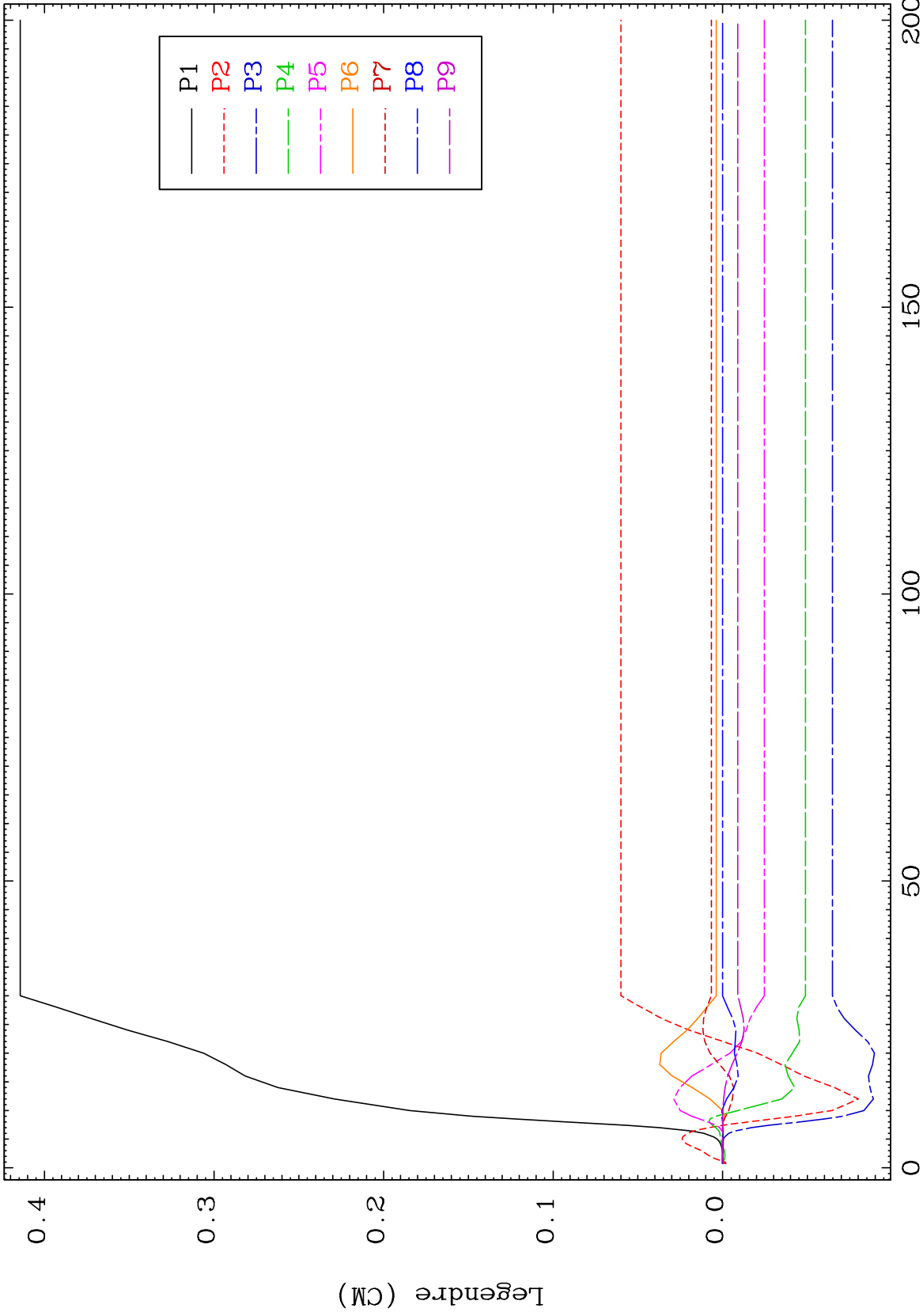


58 51-Sb-130

MAT 5152

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

51-Sb-130



59

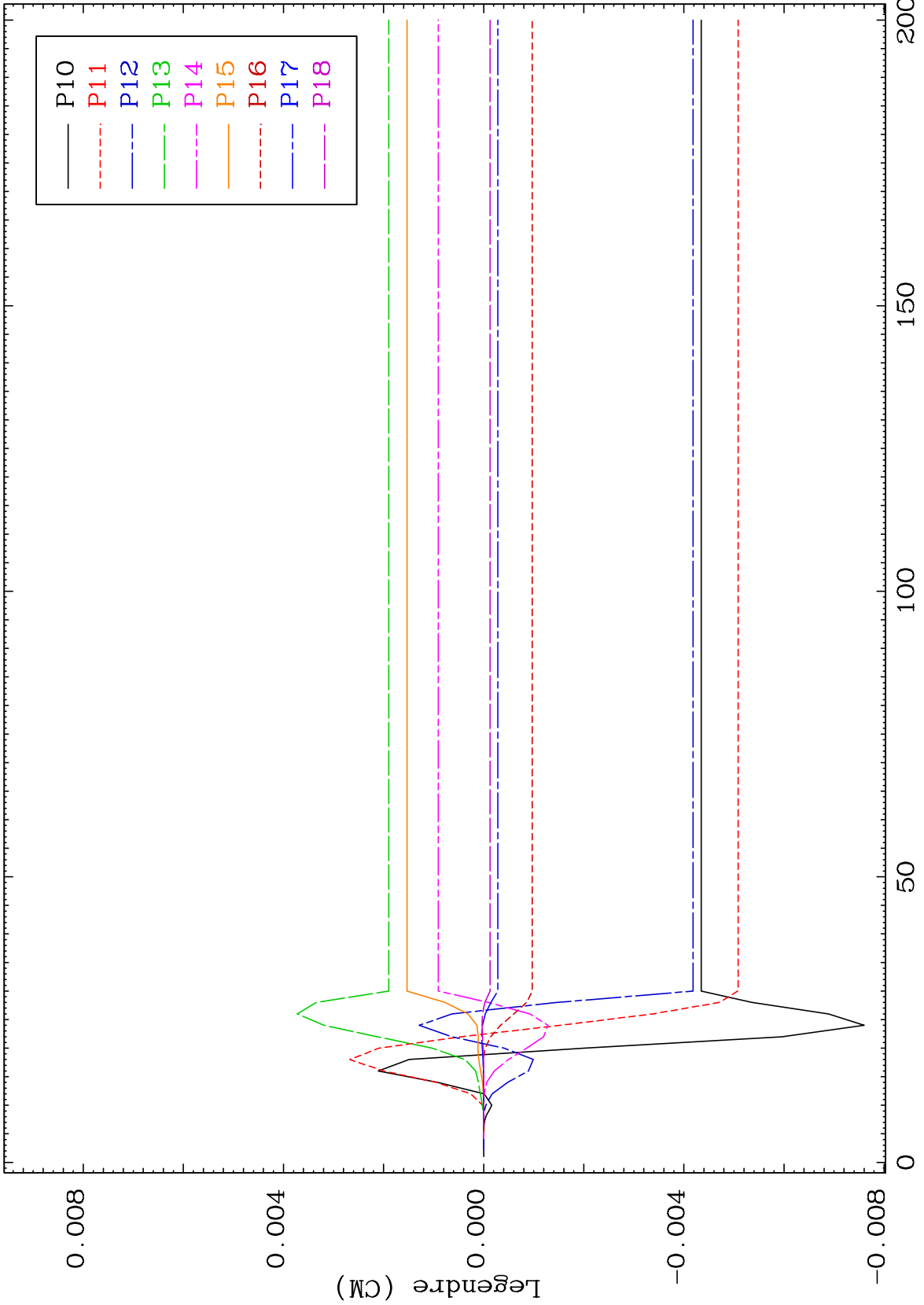
51-Sb-130

51-Sb-130

MAT 5152

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

51-Sb-130



60

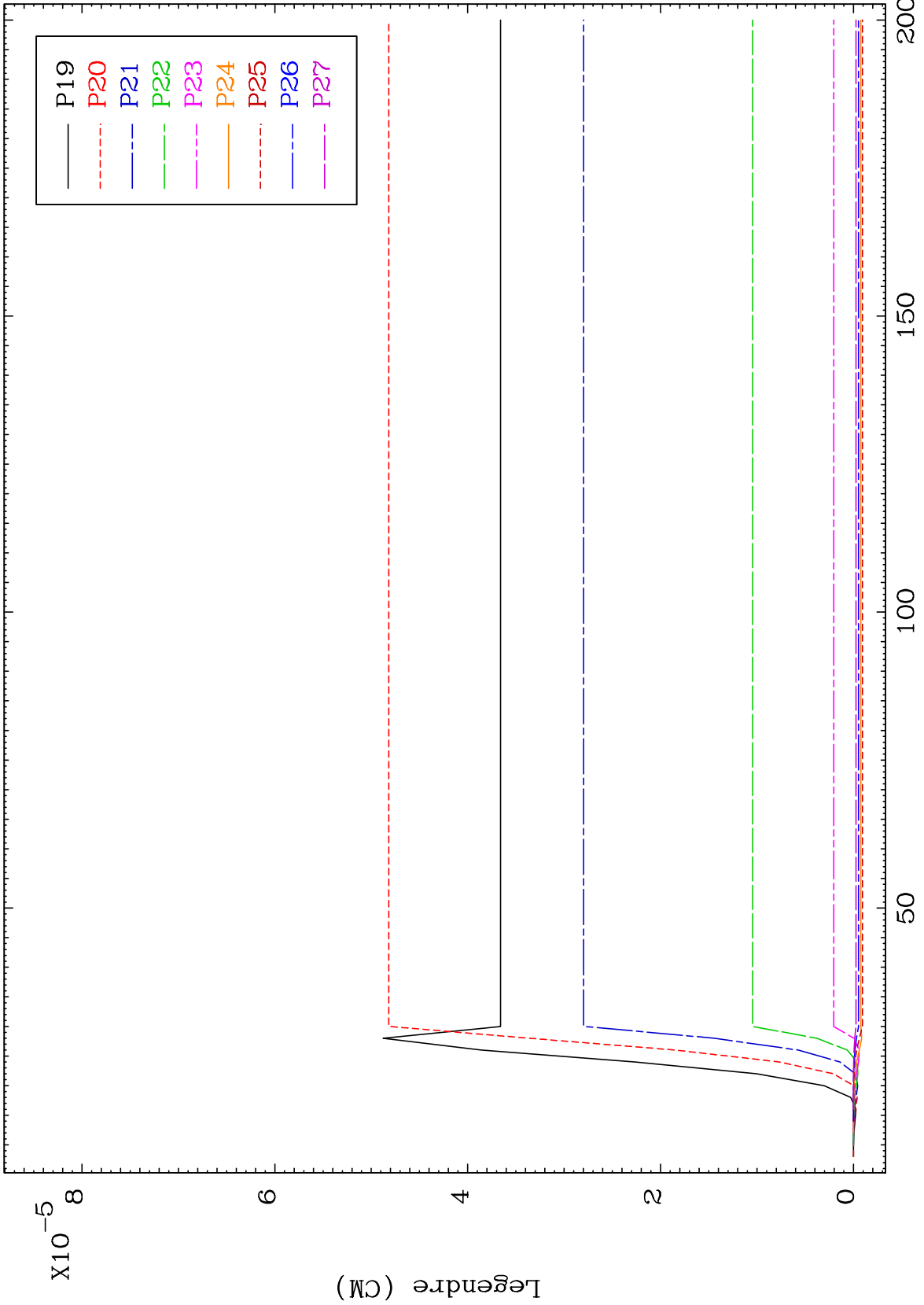
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

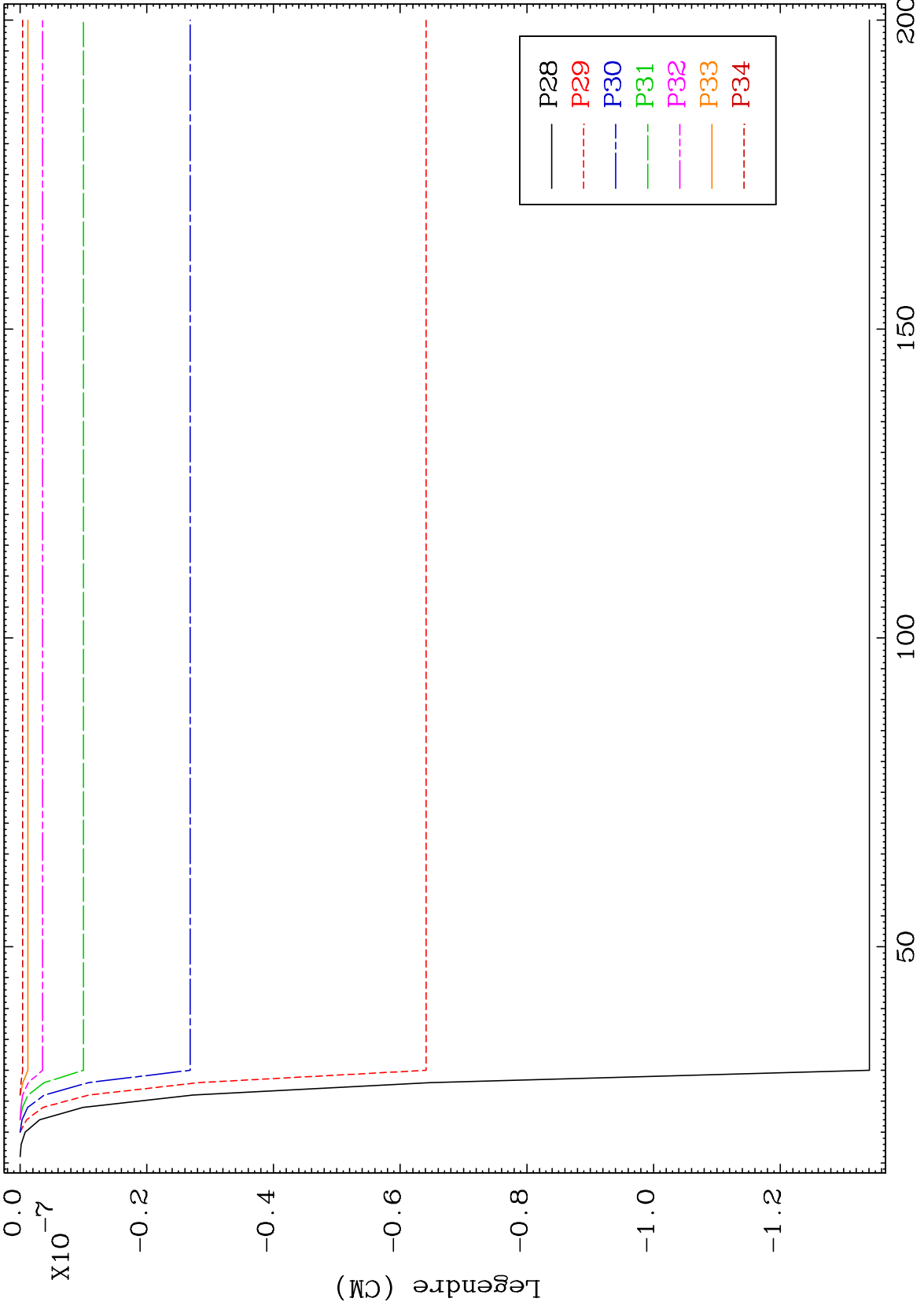
51-Sb-130



61

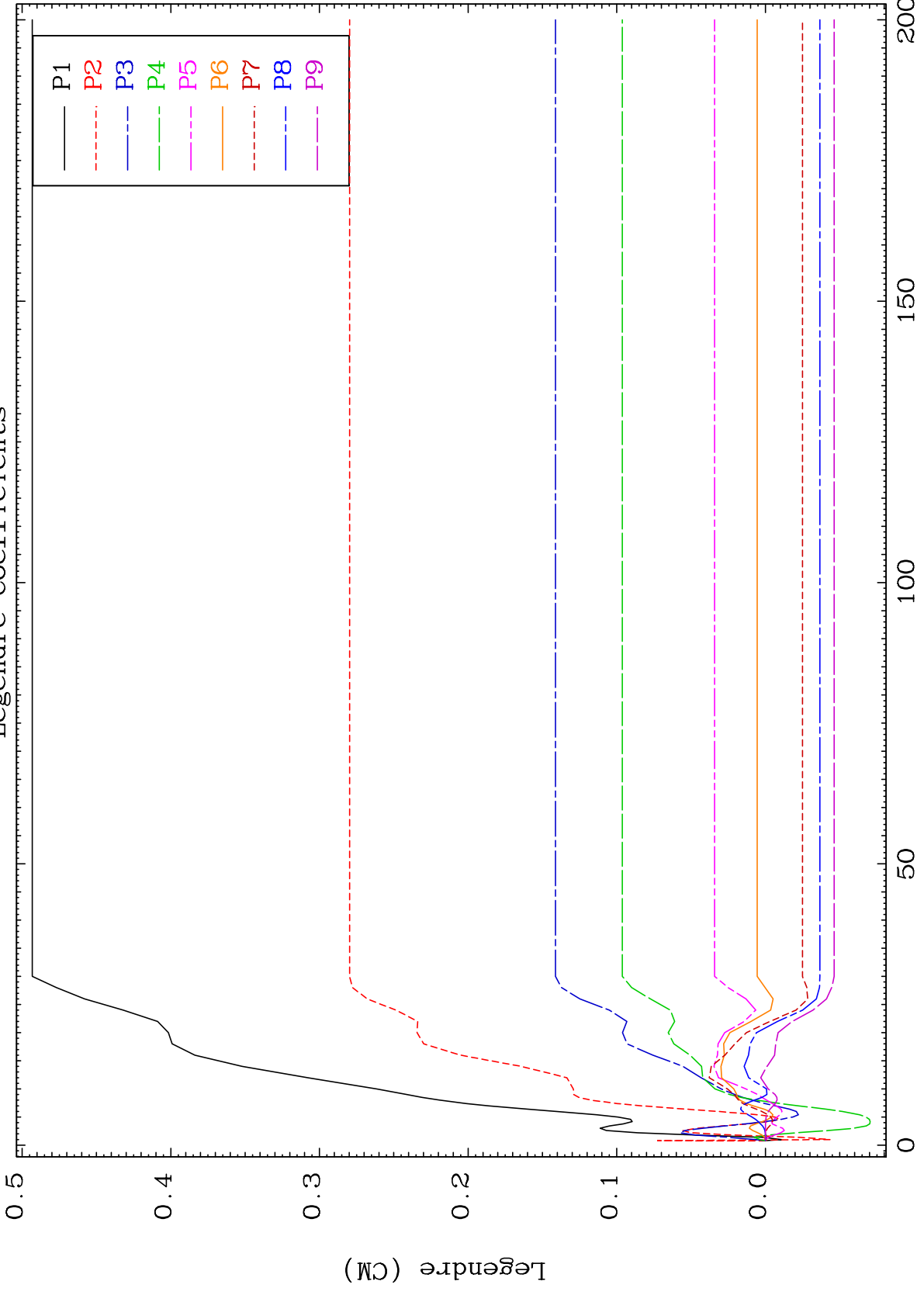
51-Sb-130

MAT 5152 MT= 62 (n,n') Level Legendre Coefficients 51-Sb-130



62 51-Sb-130

MAT 5152 MT= 63 (n,n') Level Legendre Coefficients 51-Sb-130

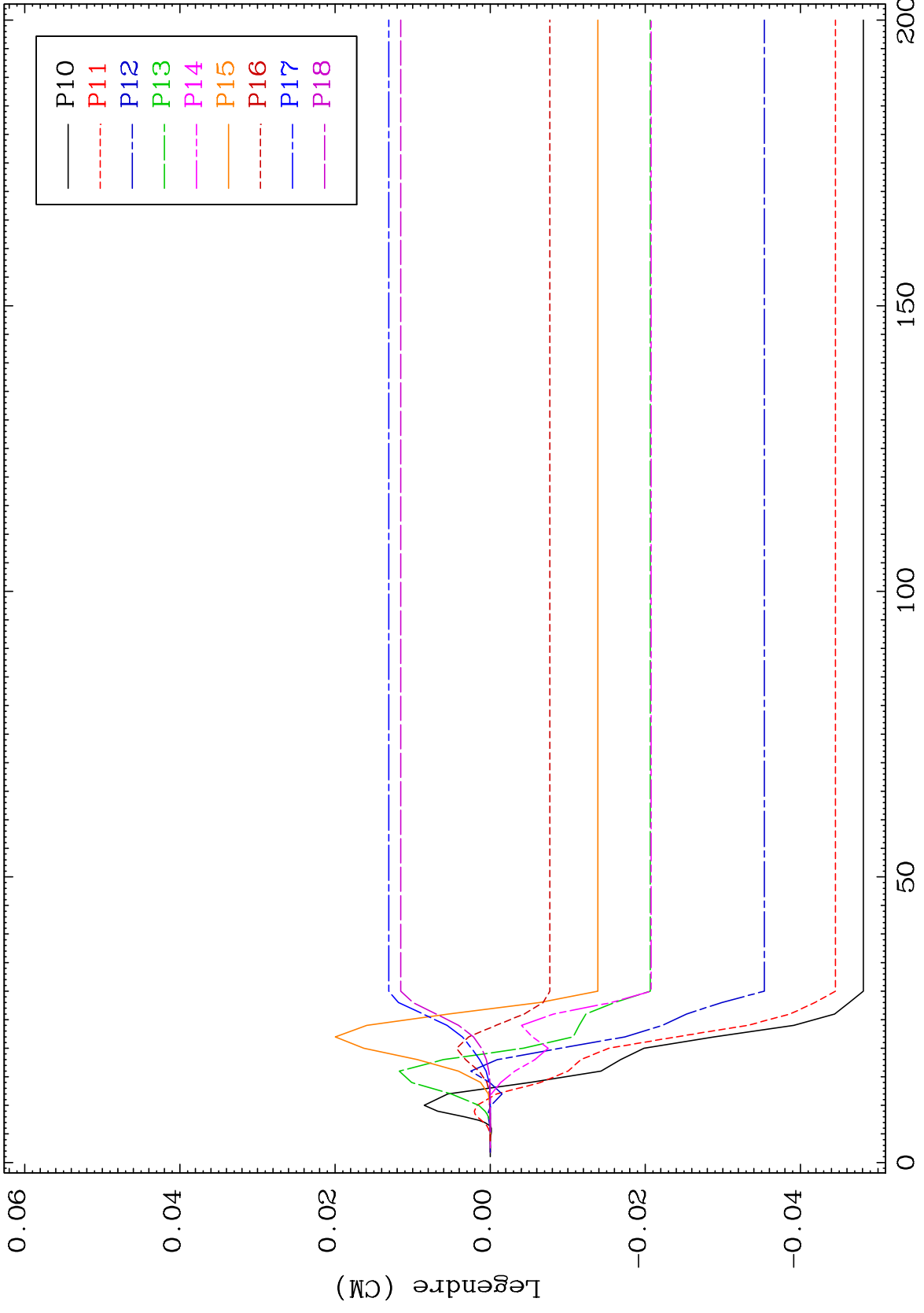


63 51-Sb-130

MAT 5152

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

51-Sb-130



64

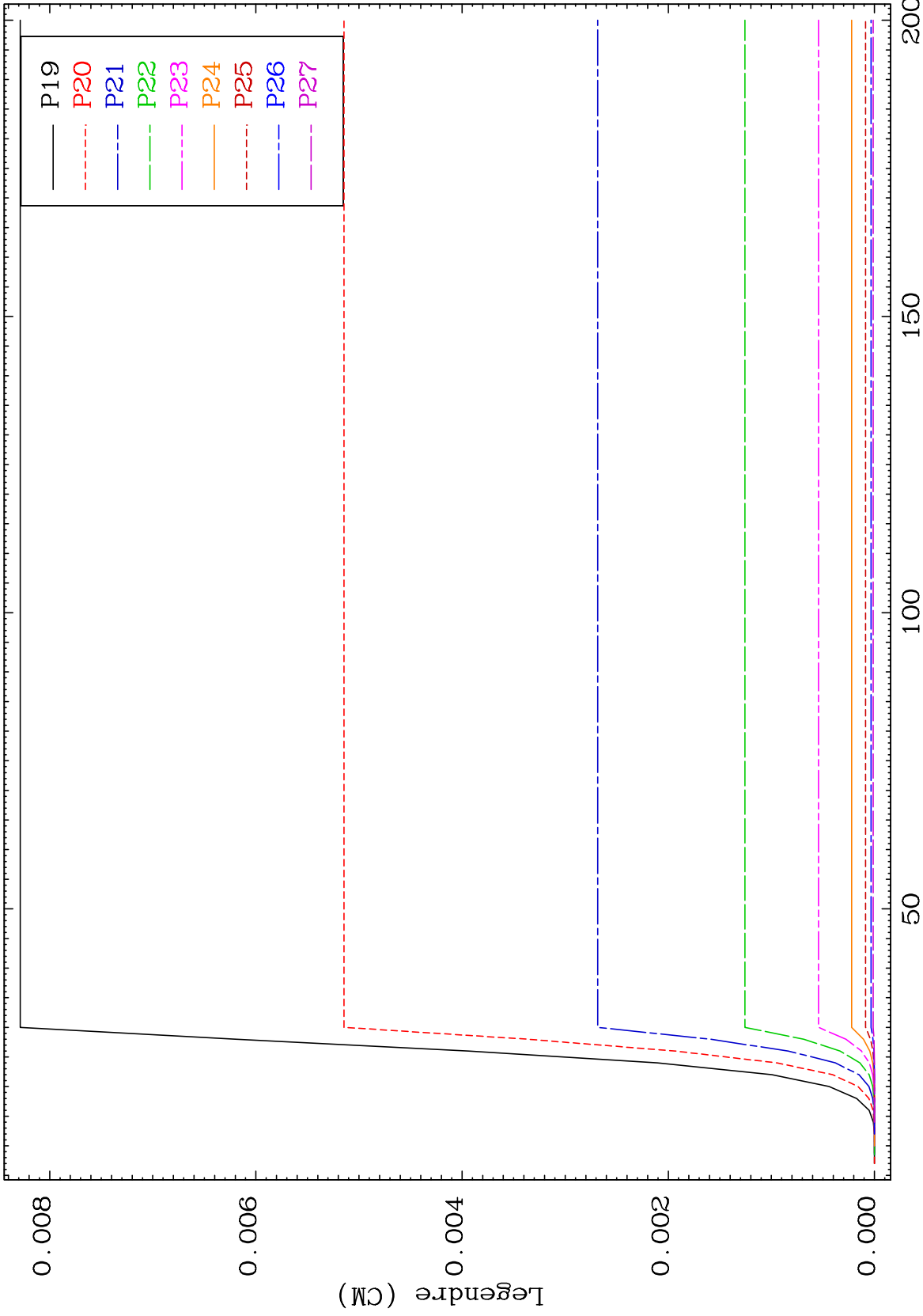
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



65

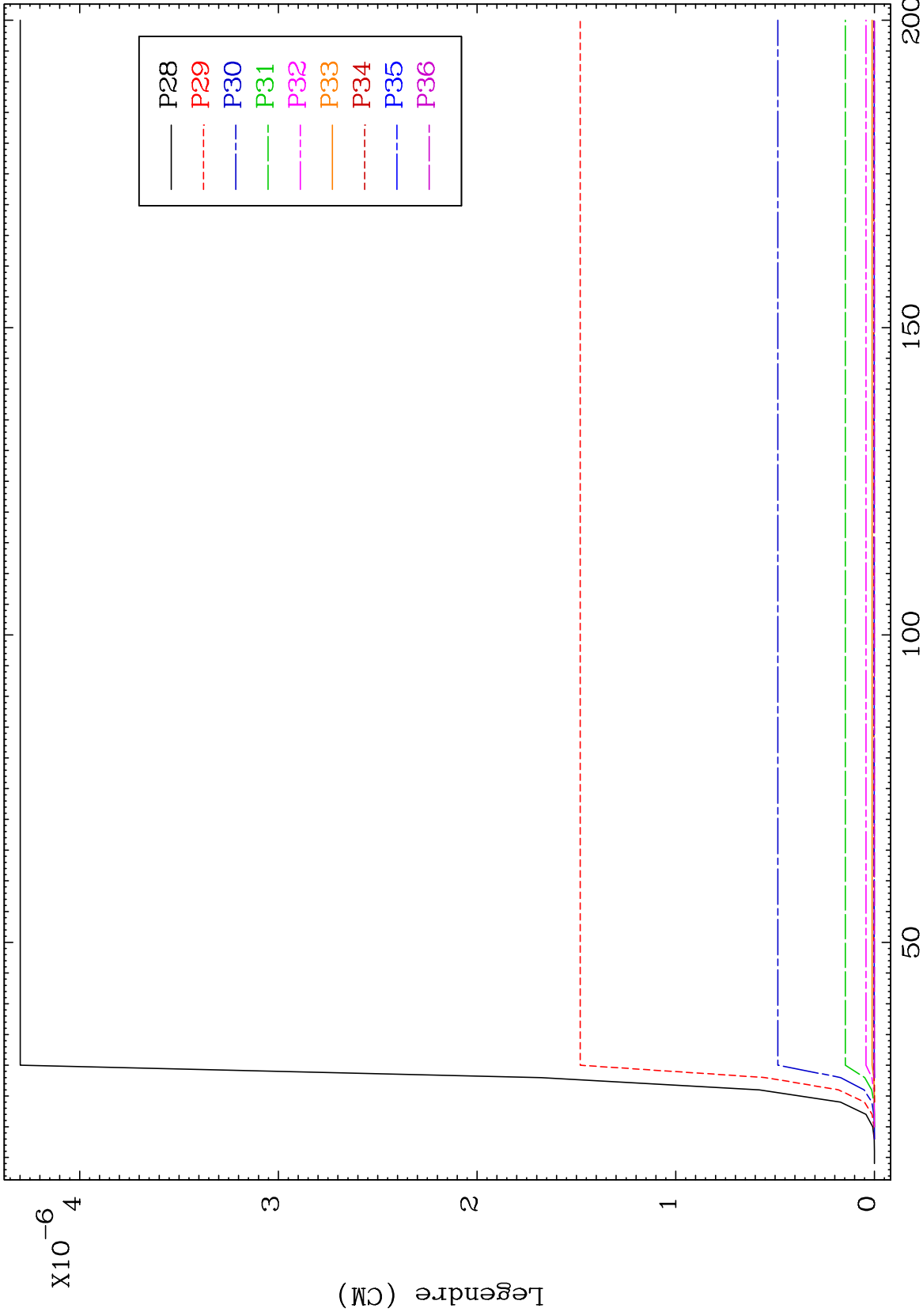
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



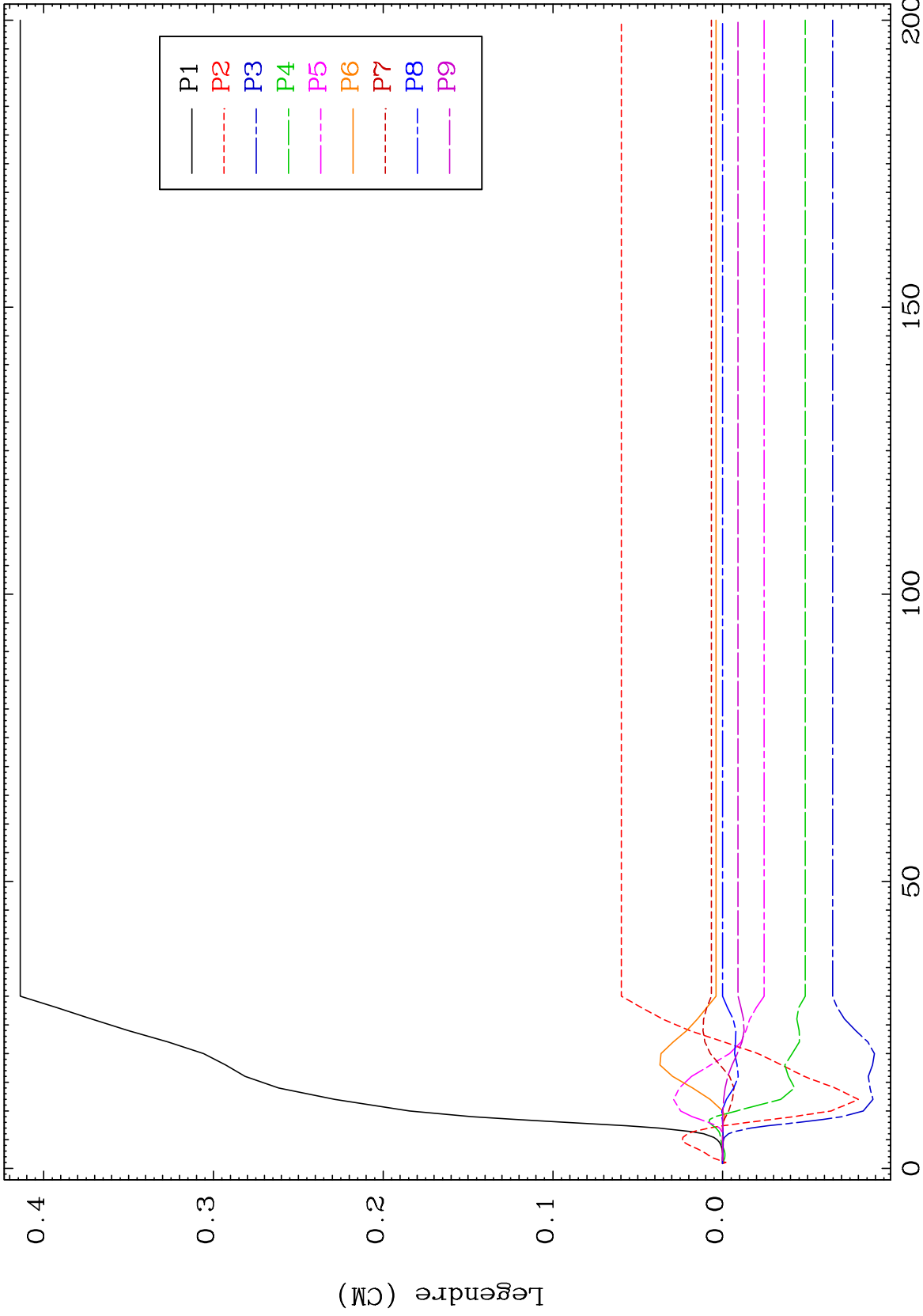
66

51-Sb-130

MAT 5152

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

51-Sb-130



67

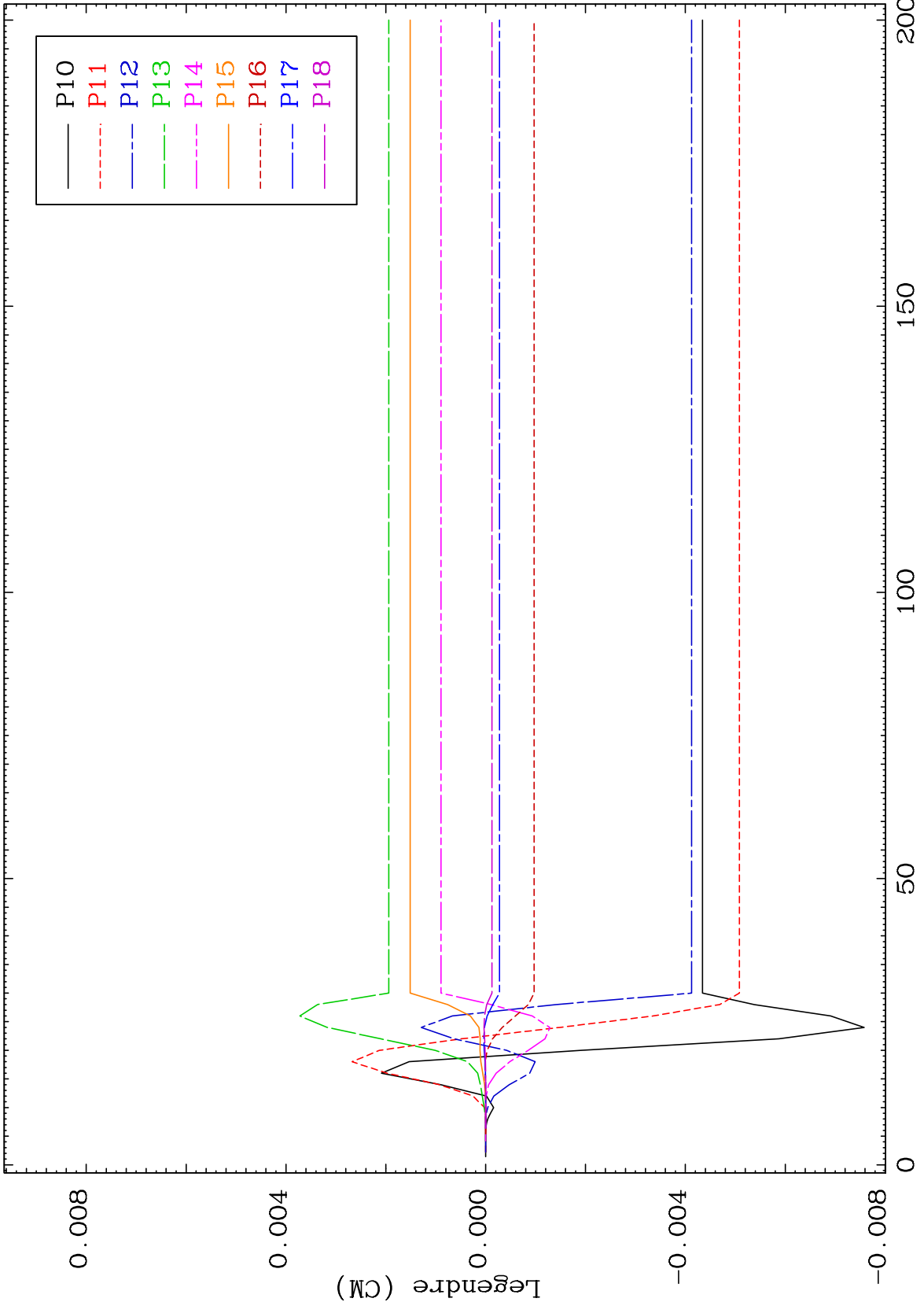
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



68

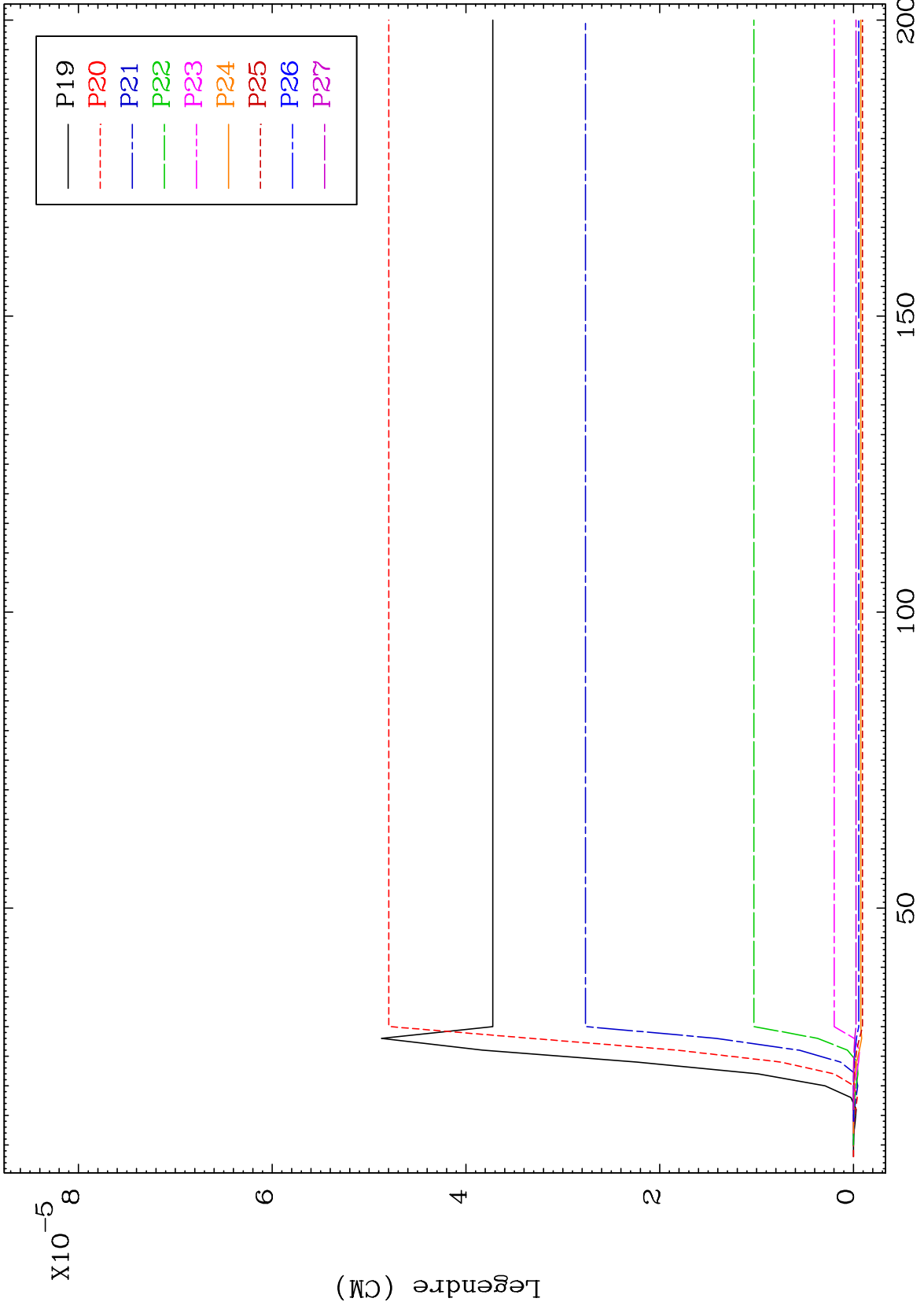
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



69

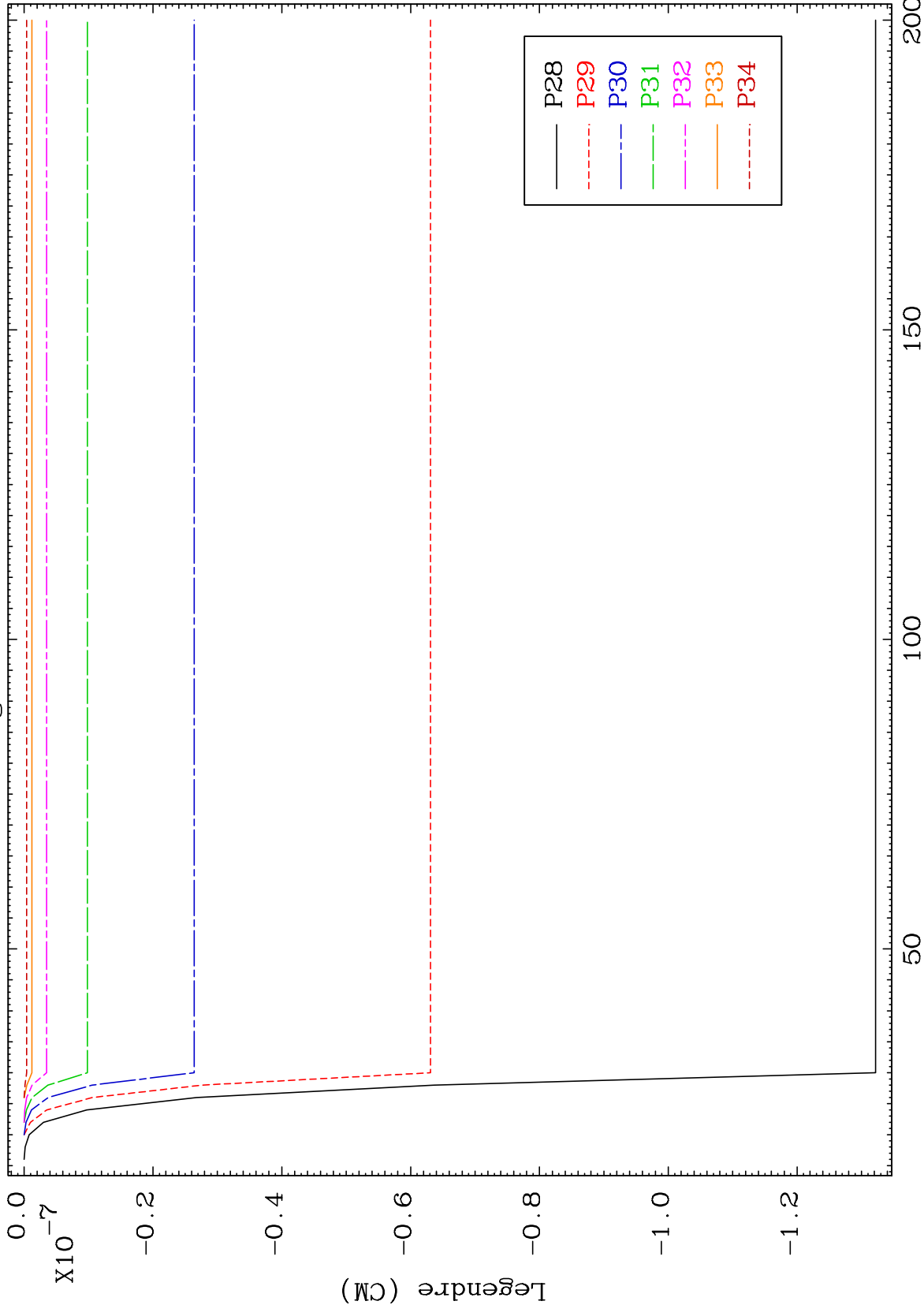
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



51-Sb-130

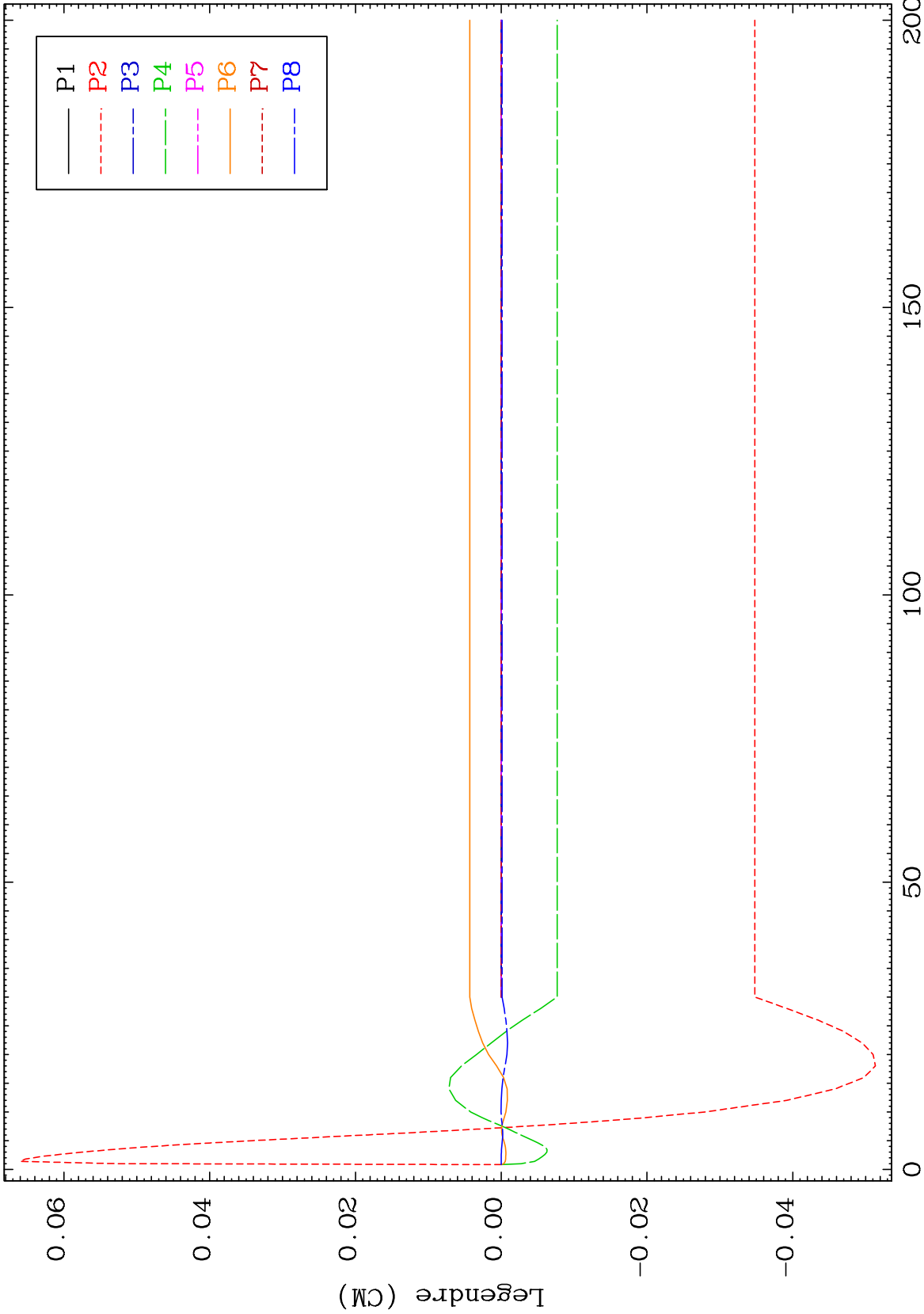
Incident Energy (MeV)

70

MAT 5152

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

51-Sb-130



71

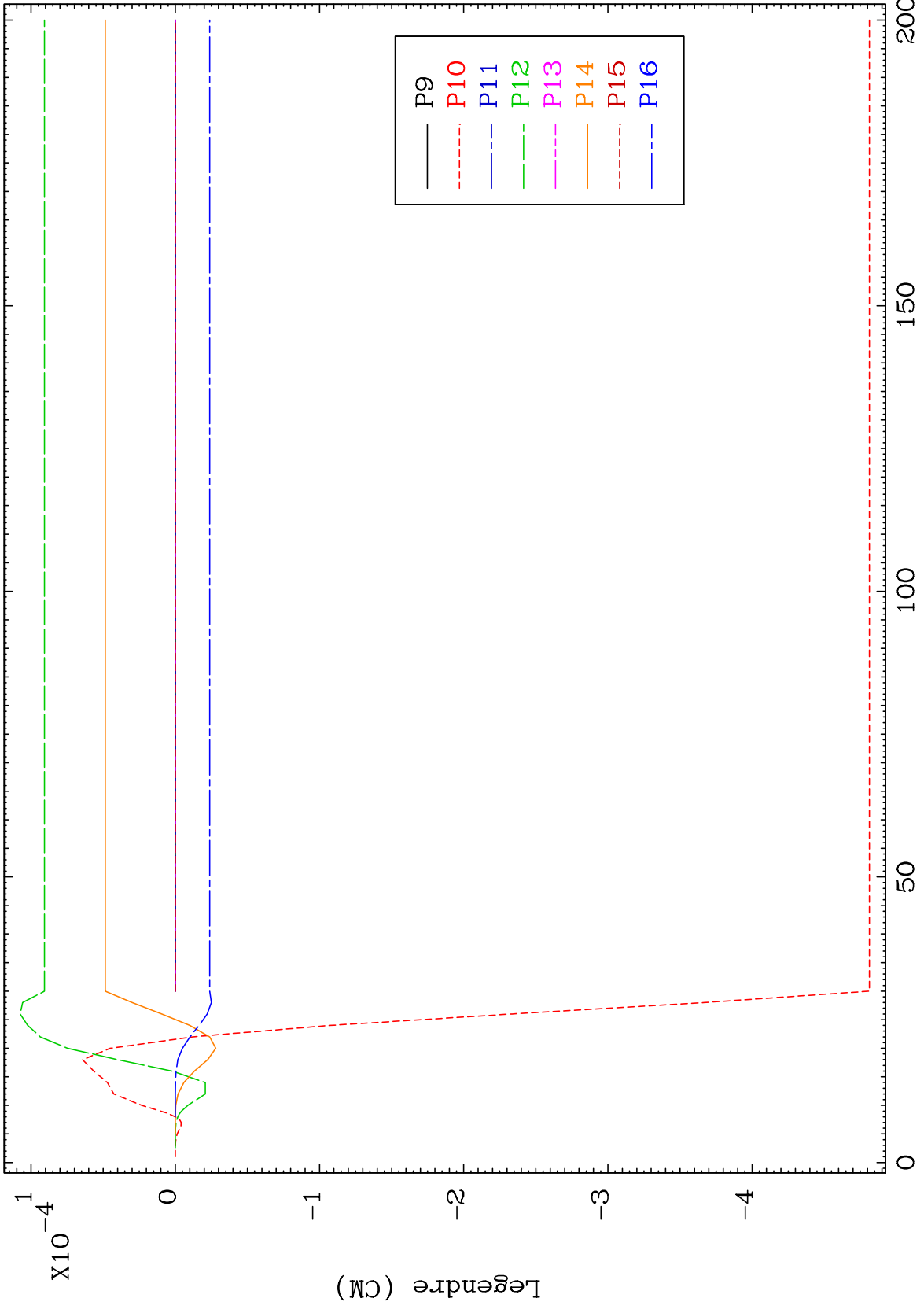
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



72

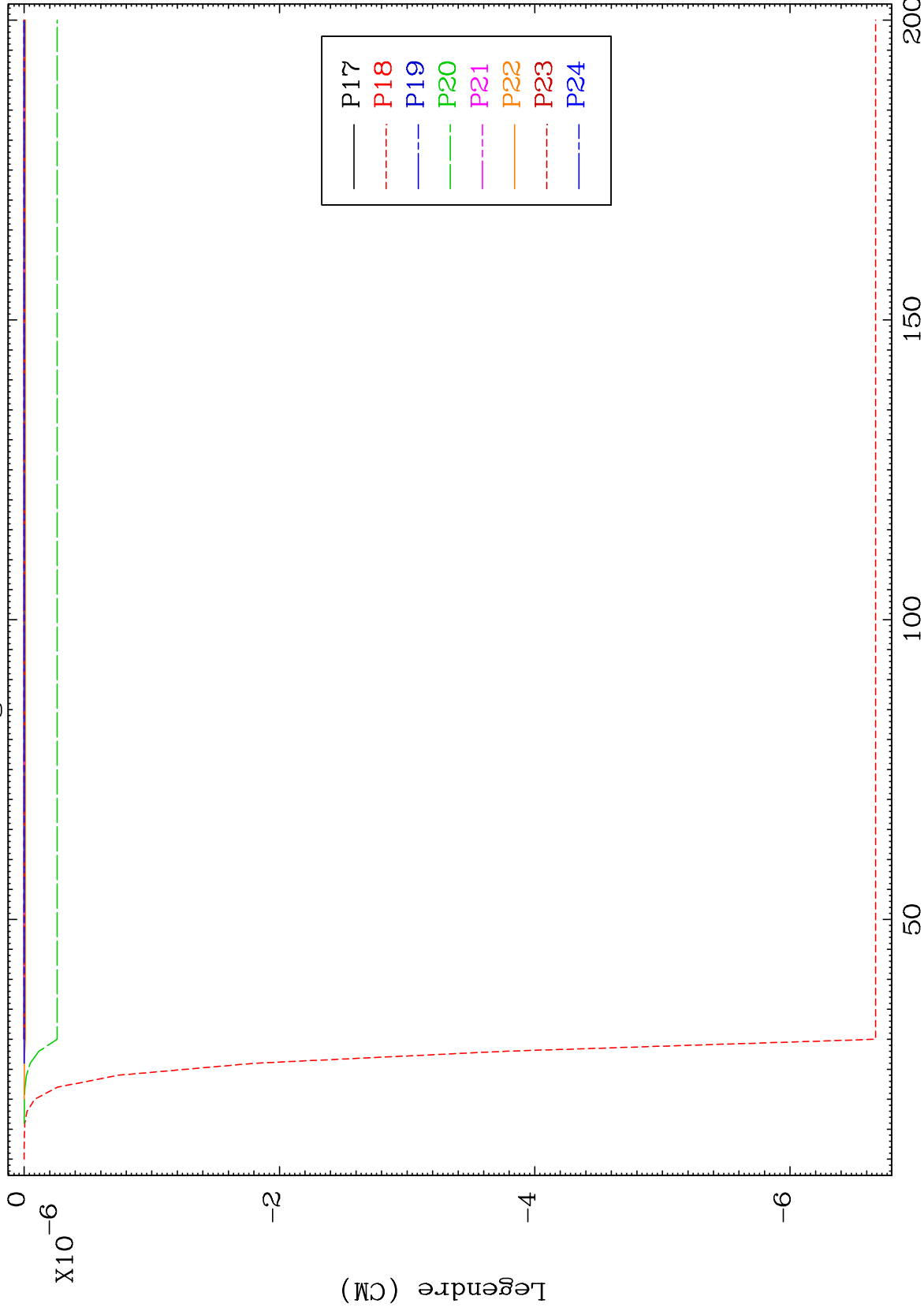
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

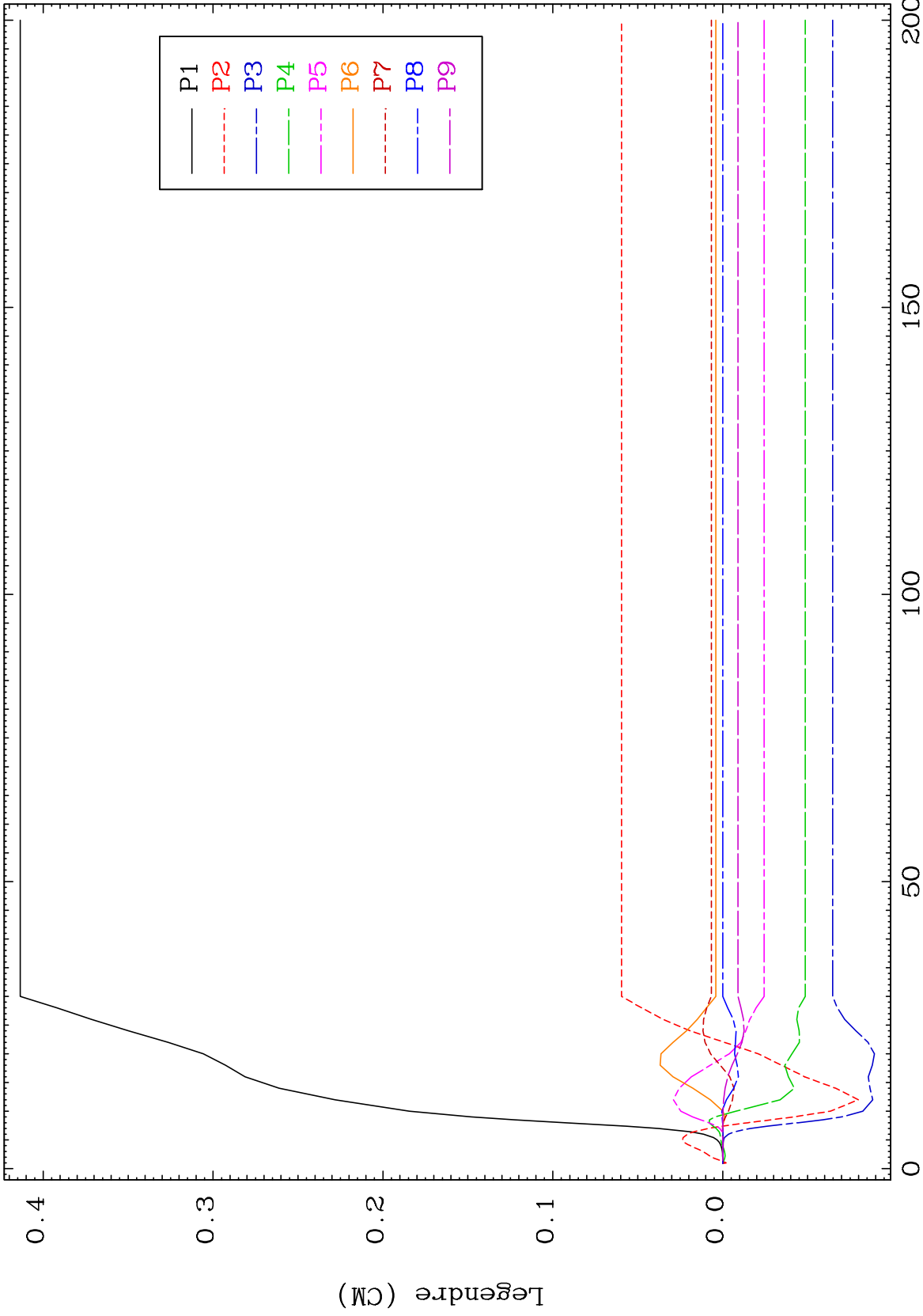
51-Sb-130



MAT 5152

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

51-Sb-130



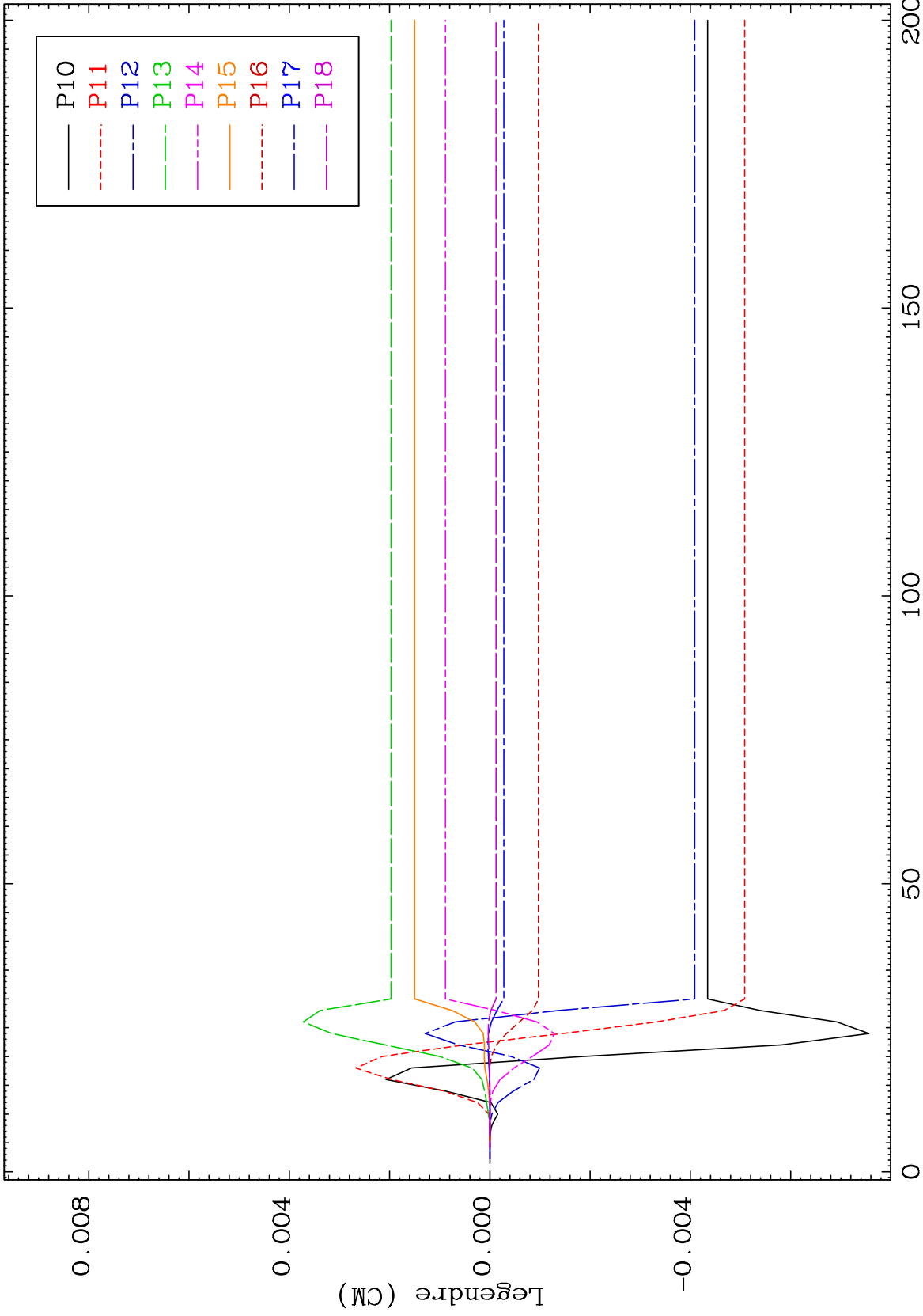
74

51-Sb-130

MAT 5152

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

51-Sb-130



75

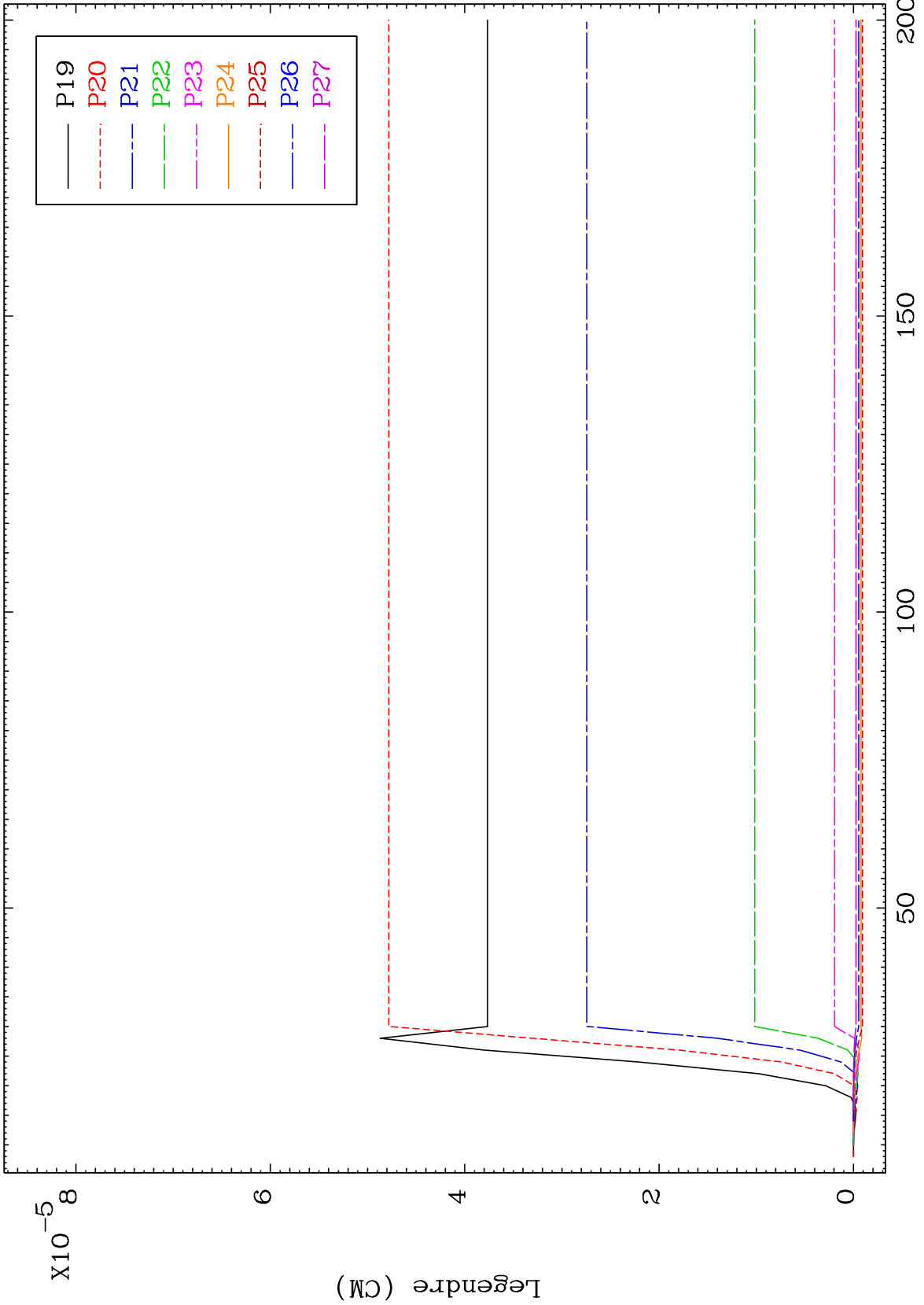
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



76

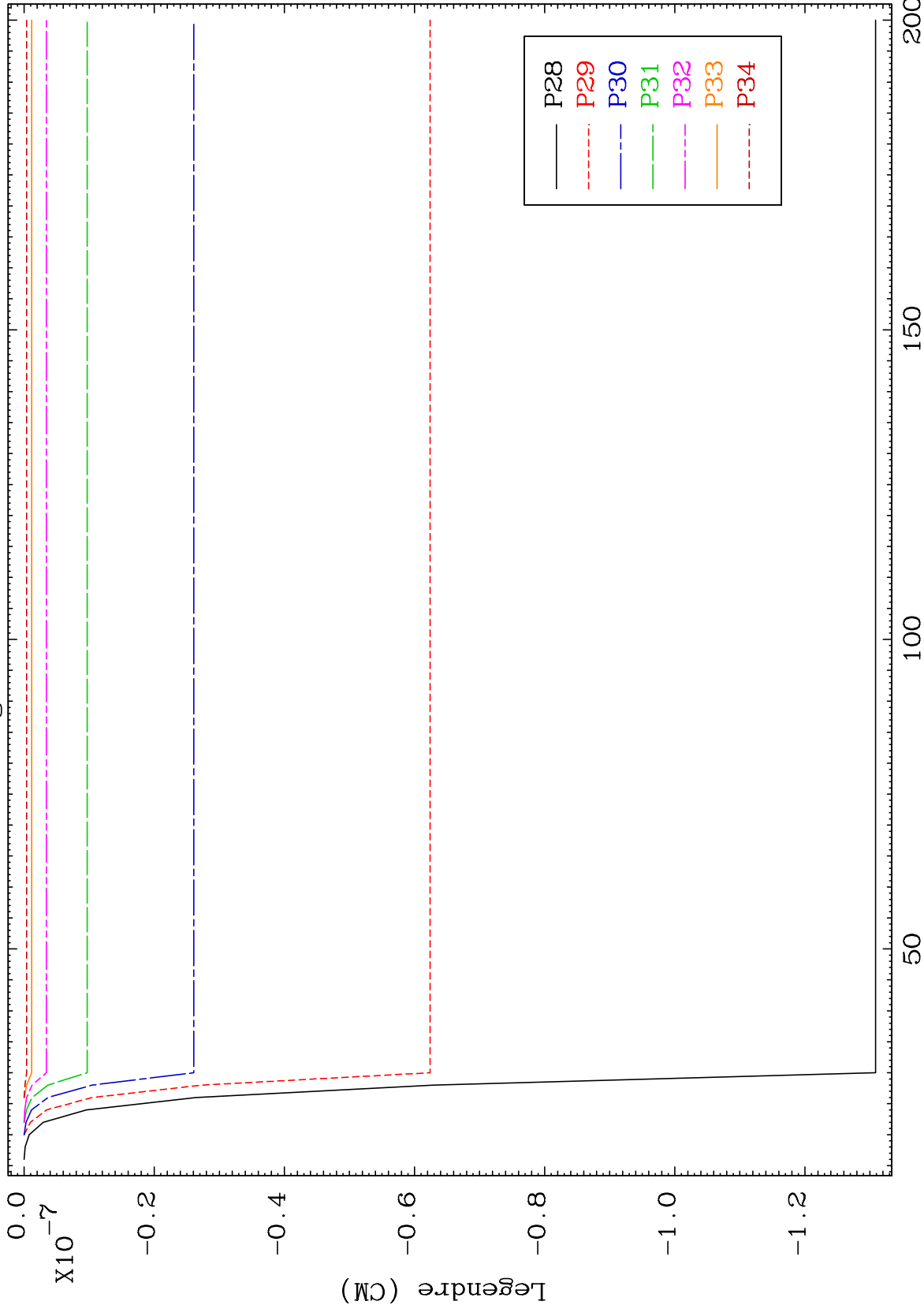
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



51-Sb-130

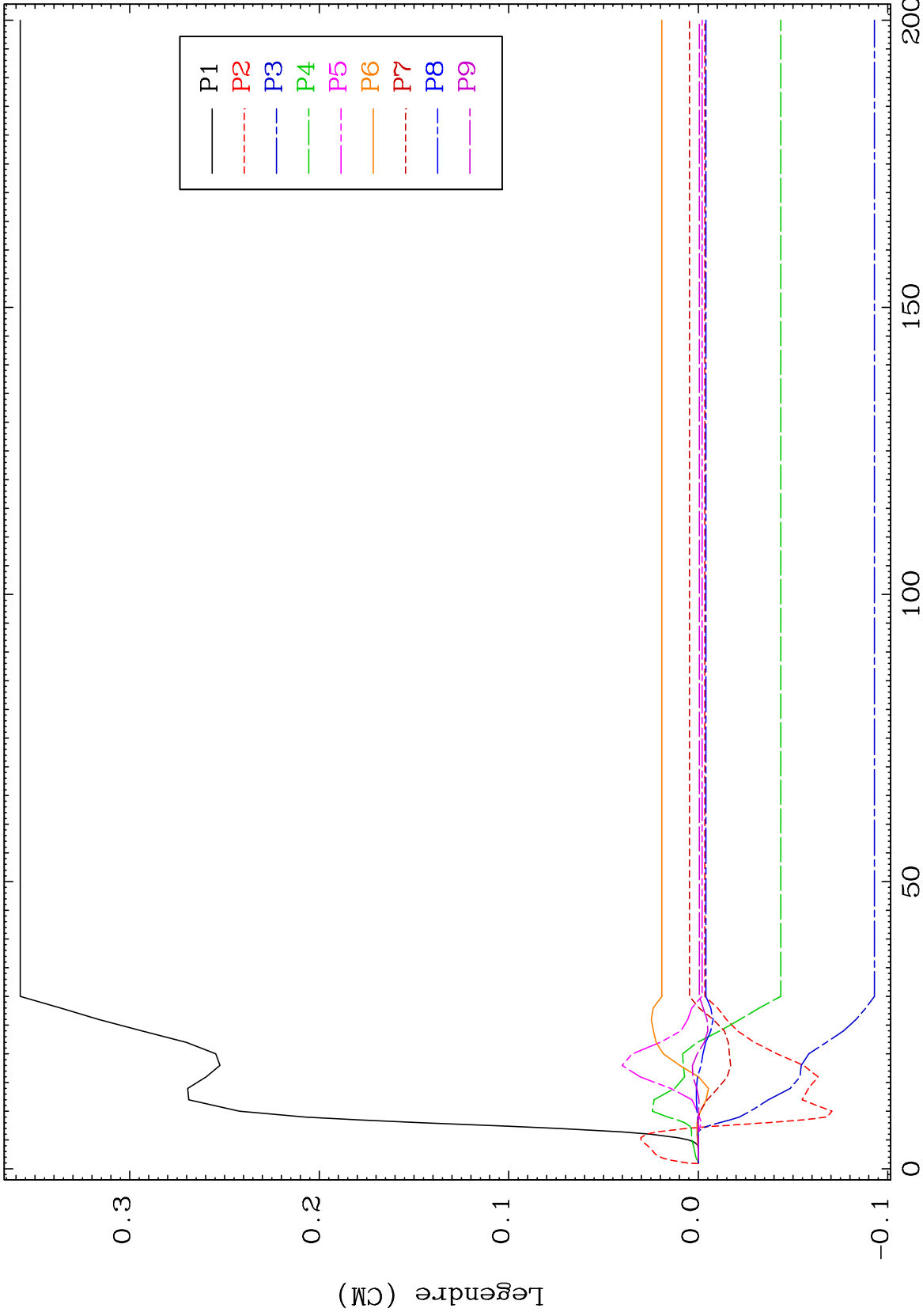
Incident Energy (MeV)

77

MAT 5152

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

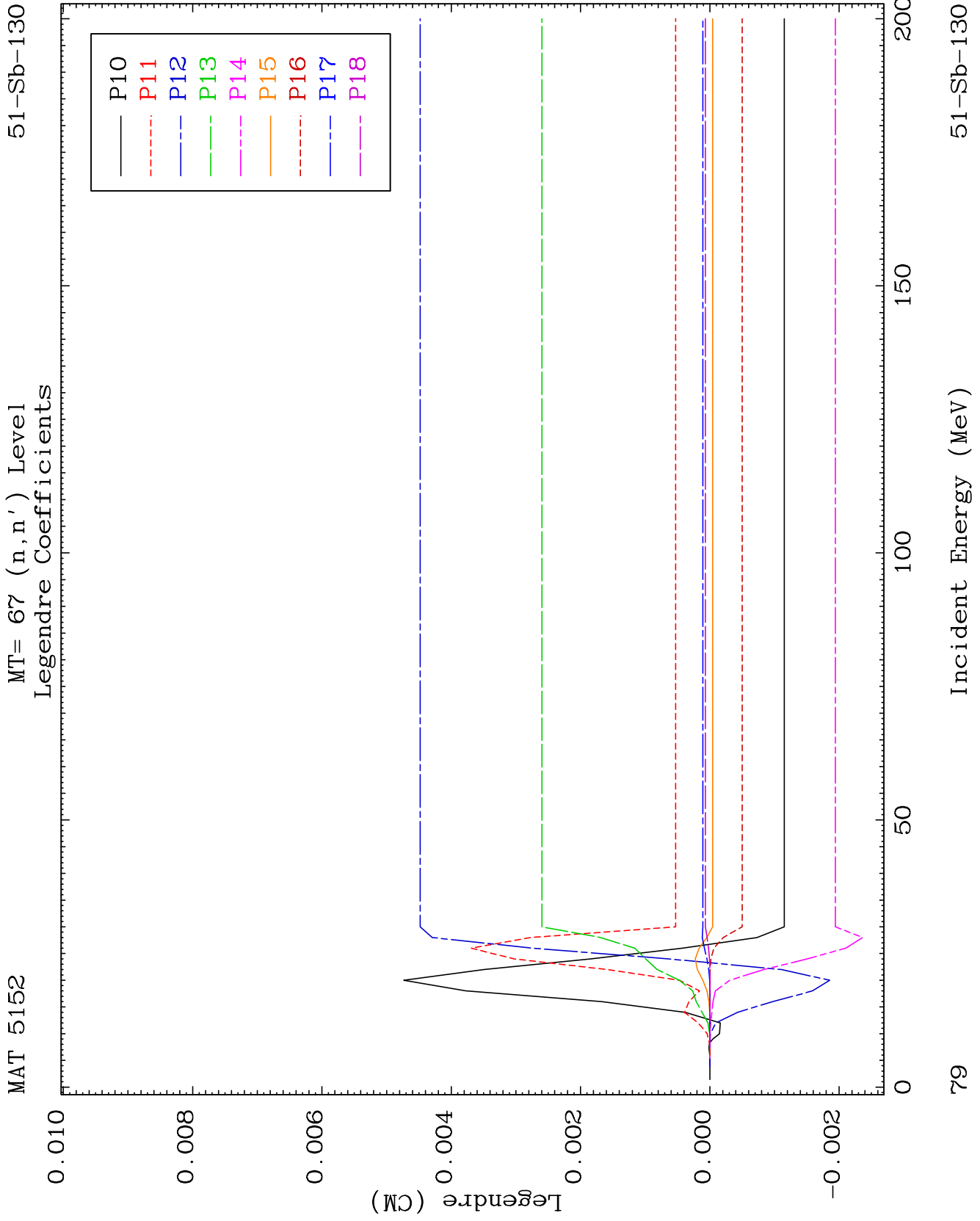
51-Sb-130



78

Incident Energy (MeV)

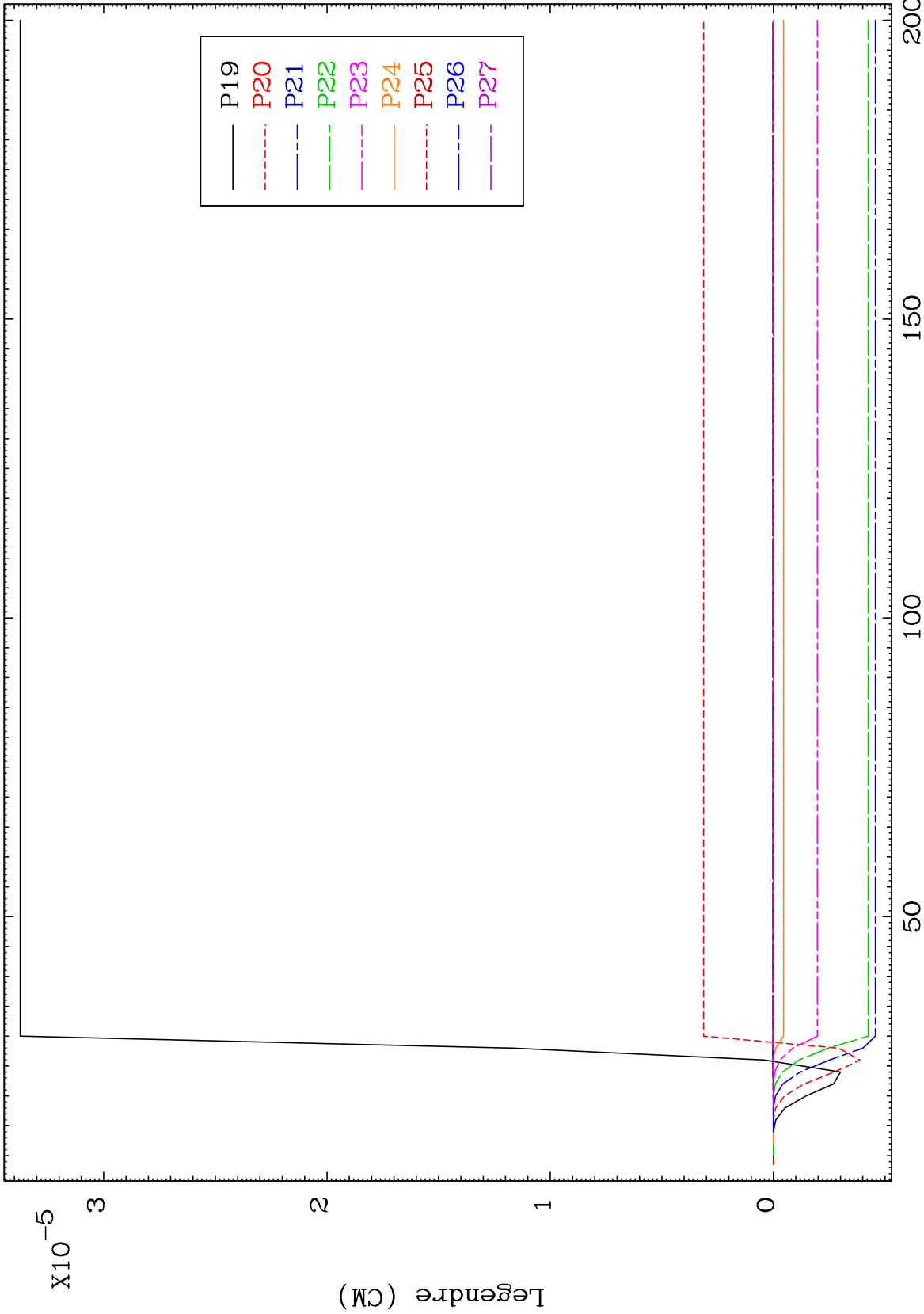
51-Sb-130



MAT 5152

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

51-Sb-130



80

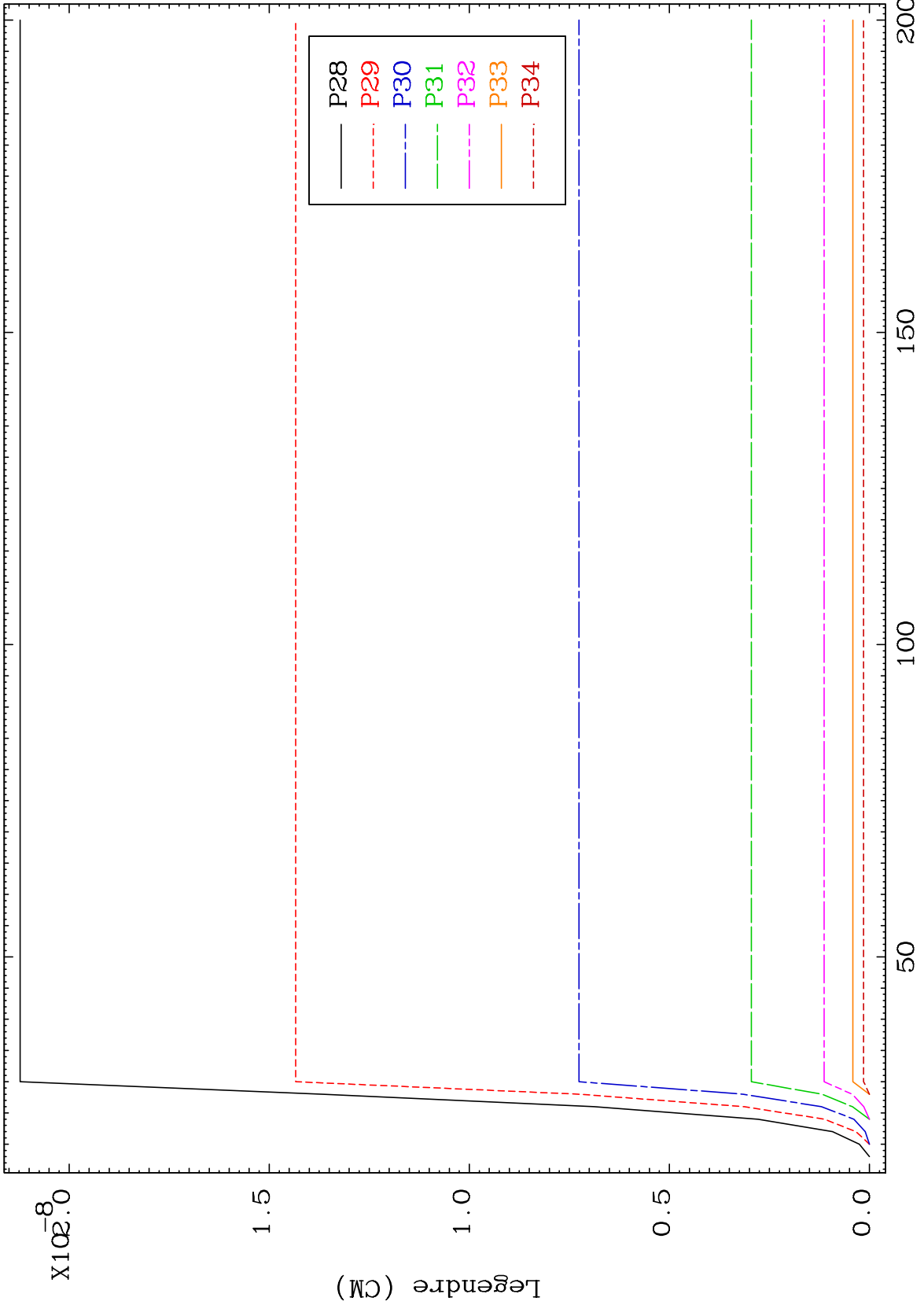
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



81

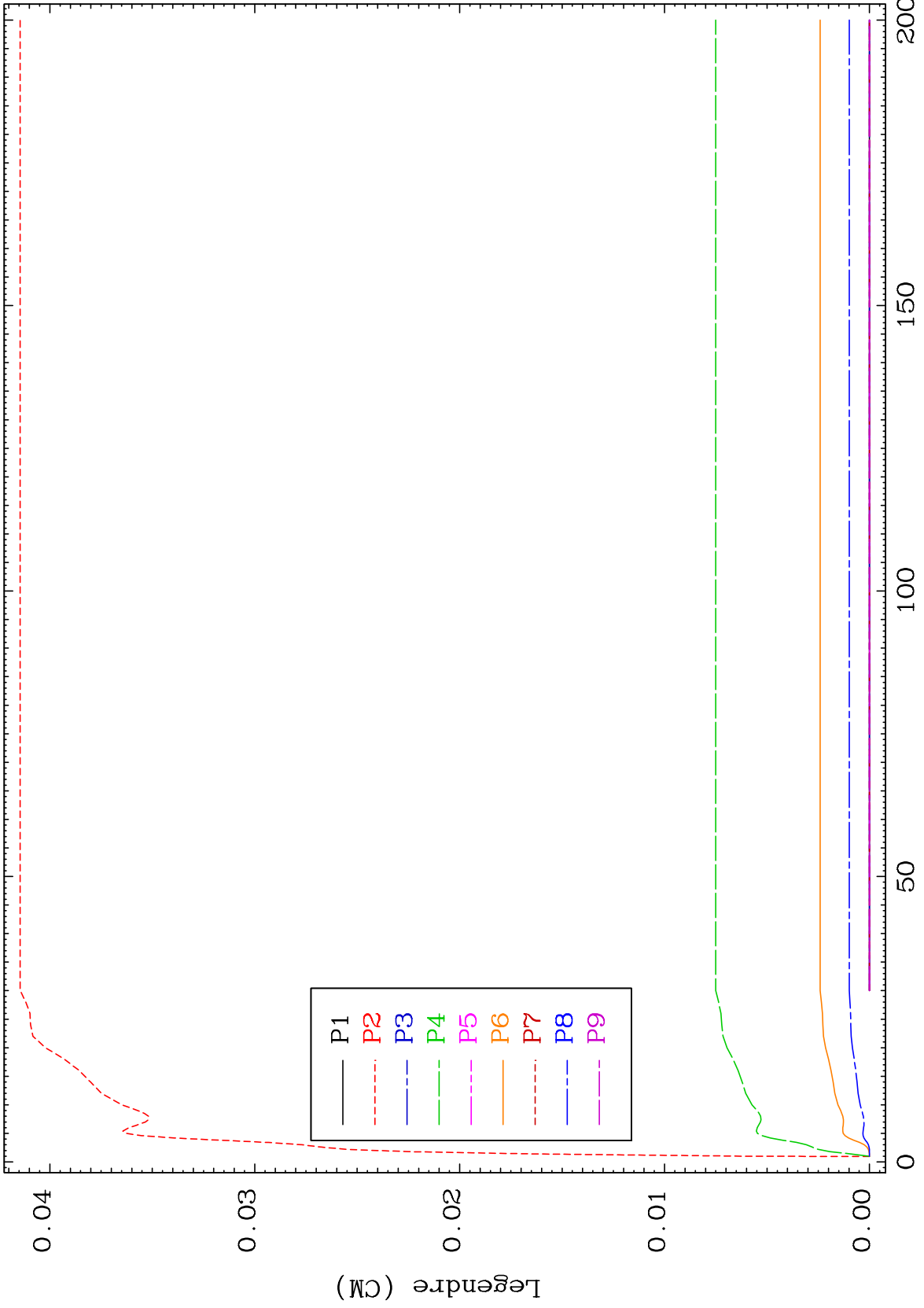
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



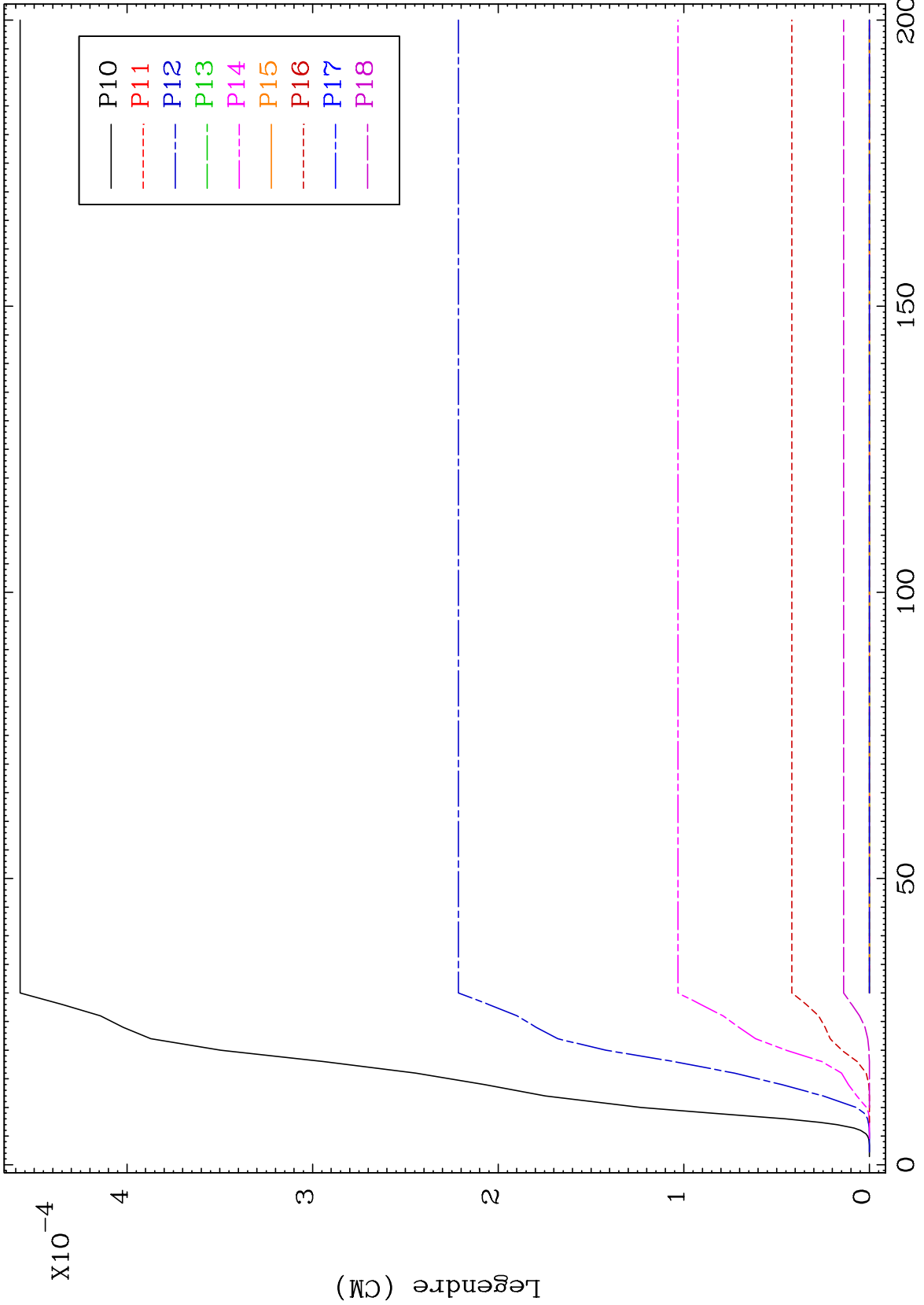
82

51-Sb-130

MAT 5152

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

51-Sb-130

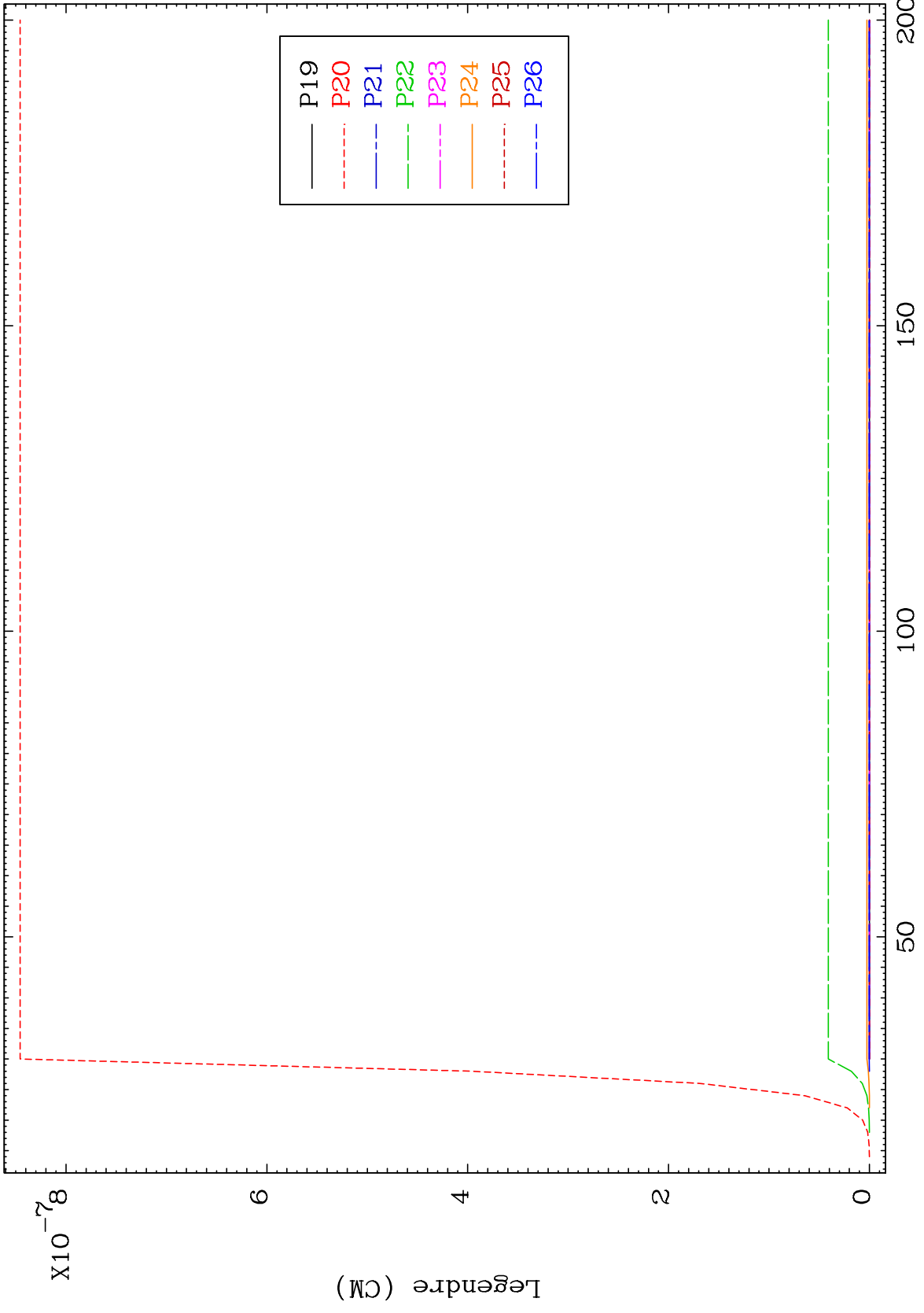


83

Incident Energy (MeV)

51-Sb-130

MAT 5152 MT= 68 (n,n') Level Legendre Coefficients 51-Sb-130

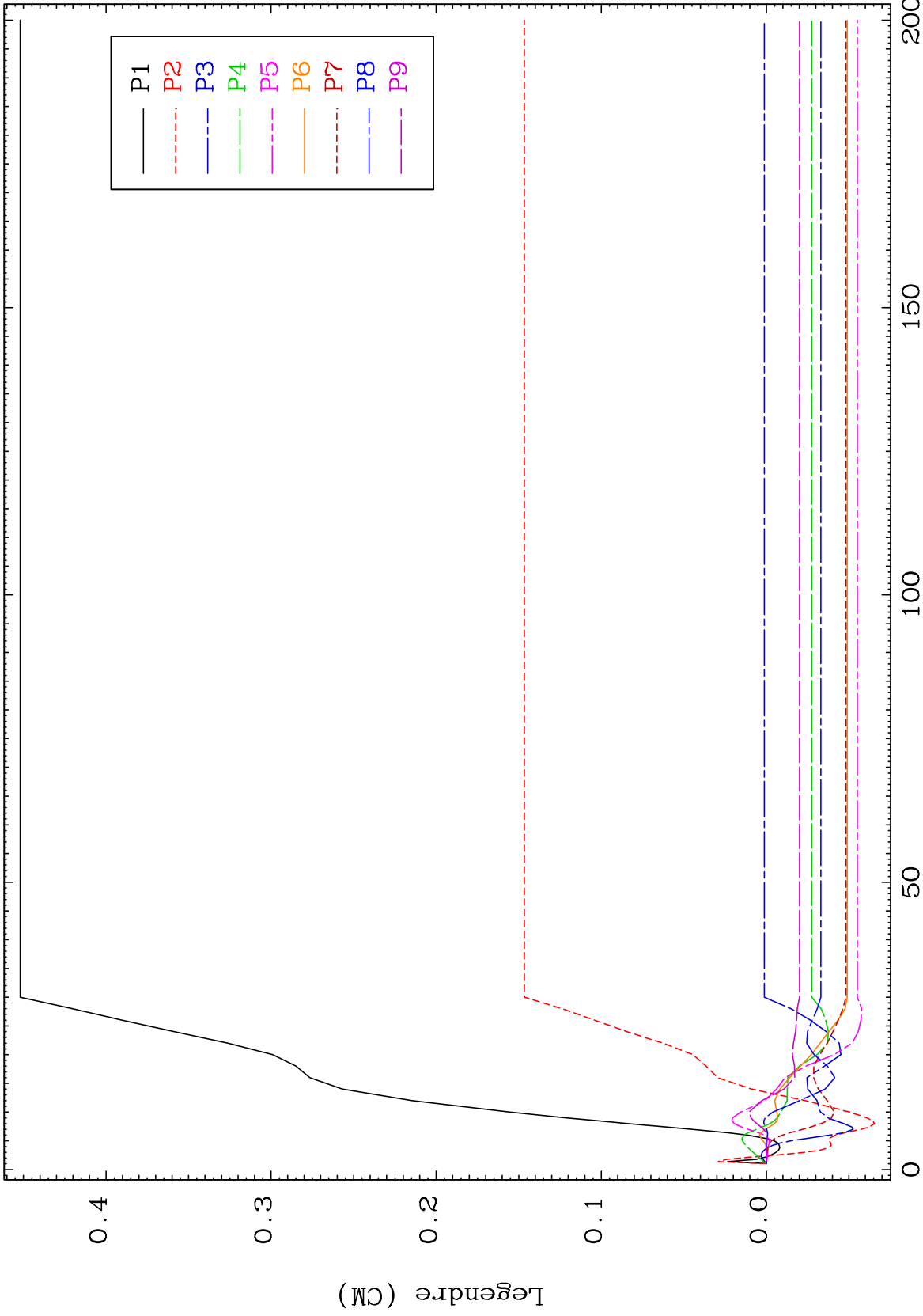


84 51-Sb-130

MAT 5152

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

51-Sb-130



85

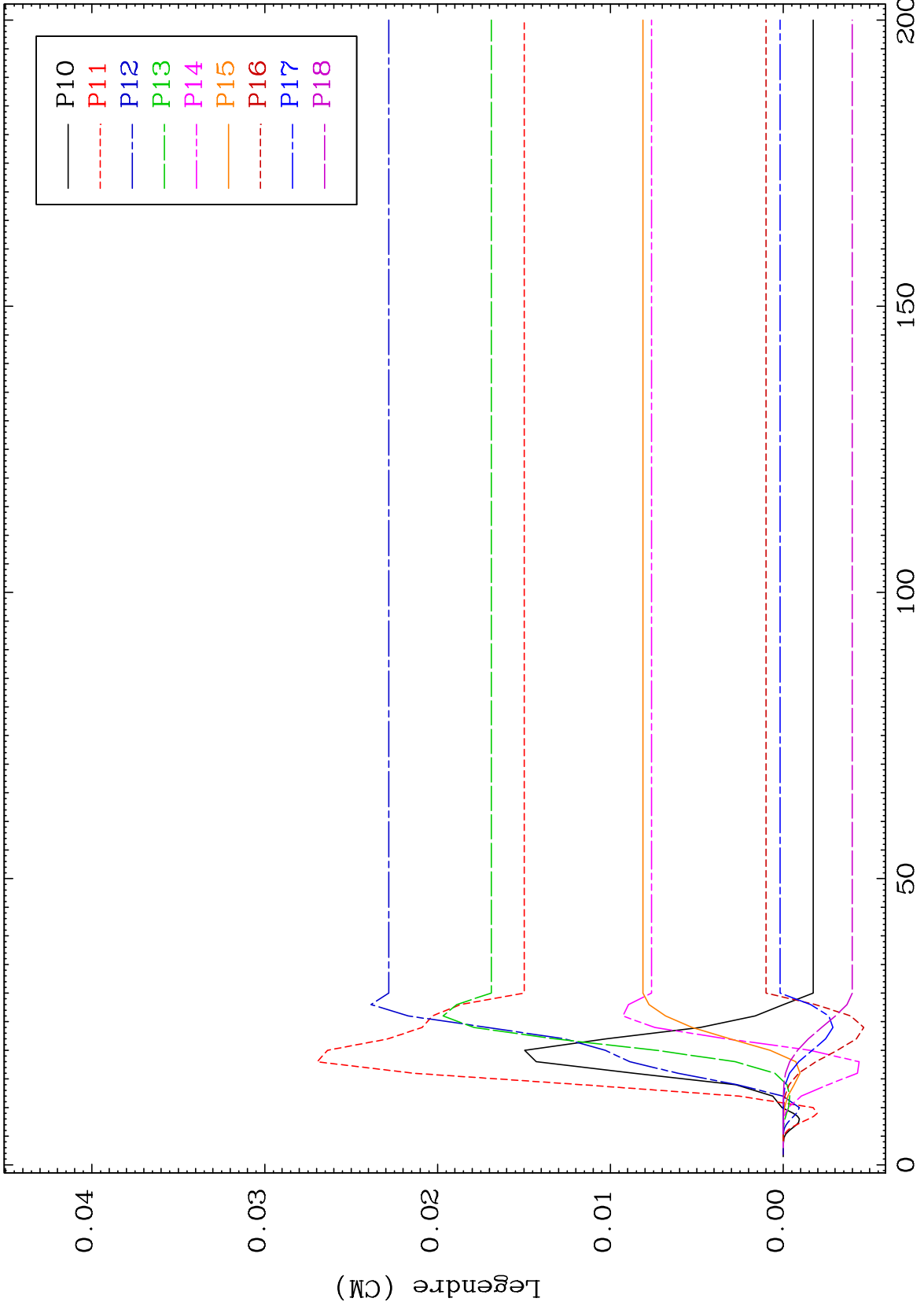
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



86

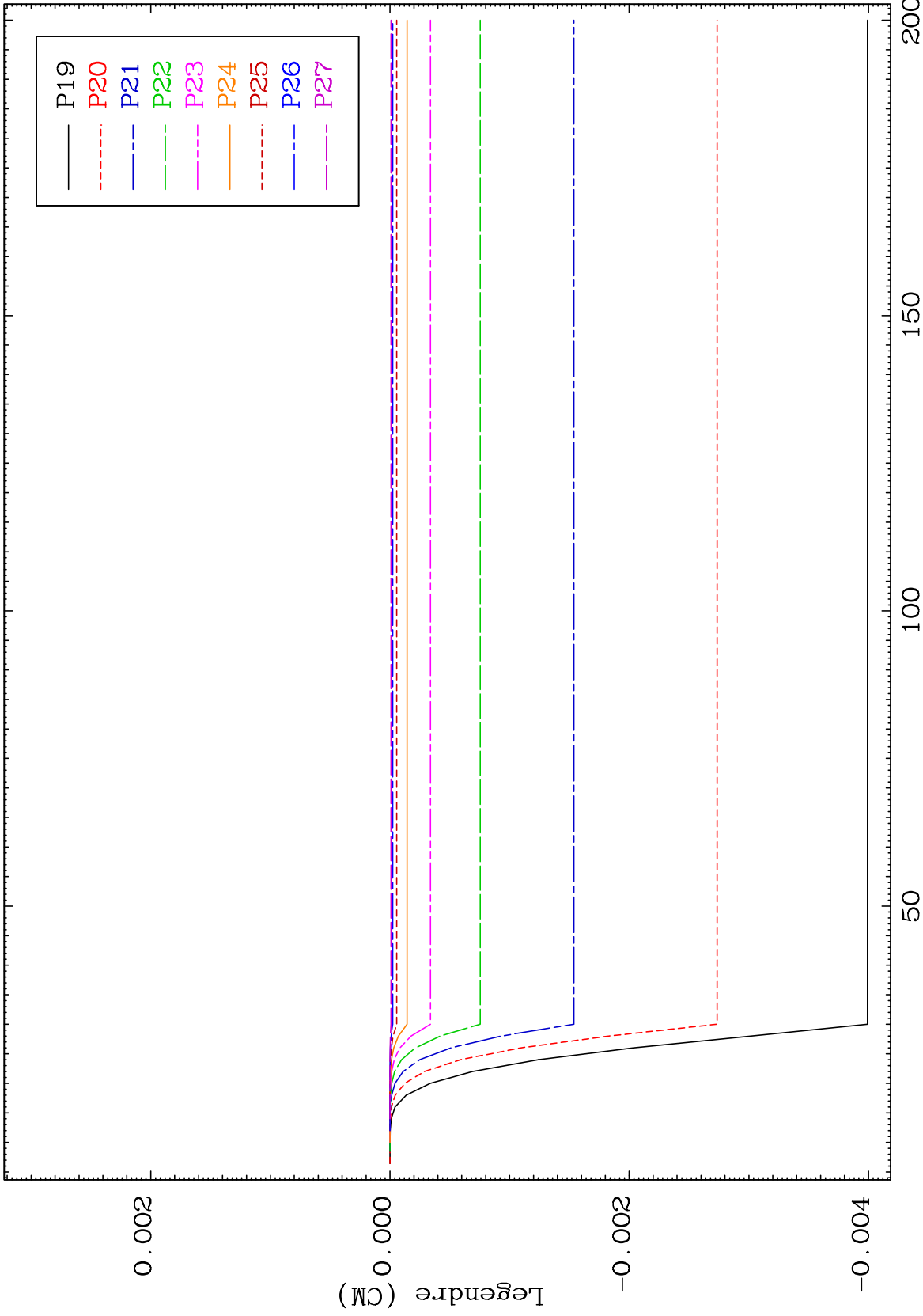
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130

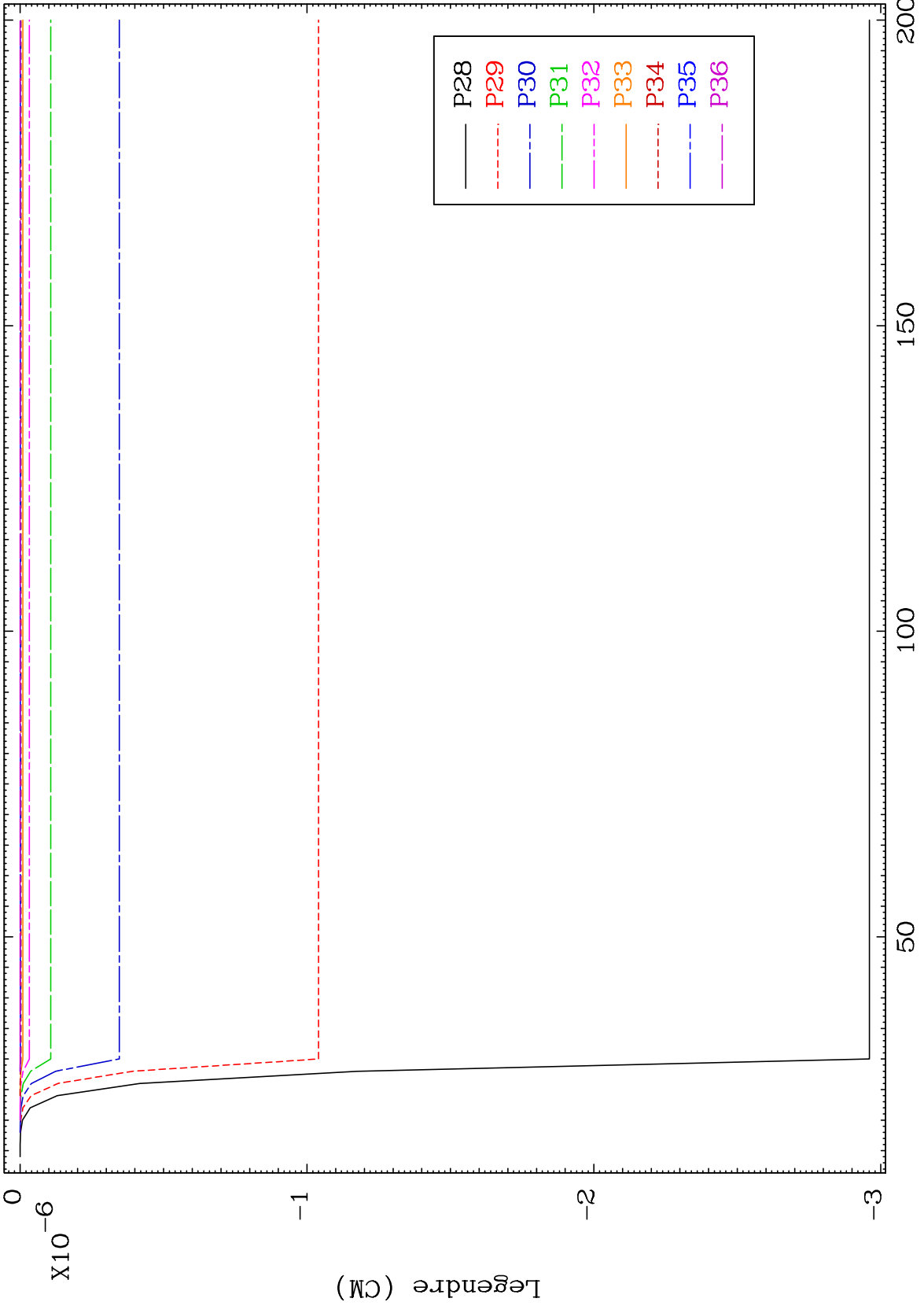


87

Incident Energy (MeV)

51-Sb-130

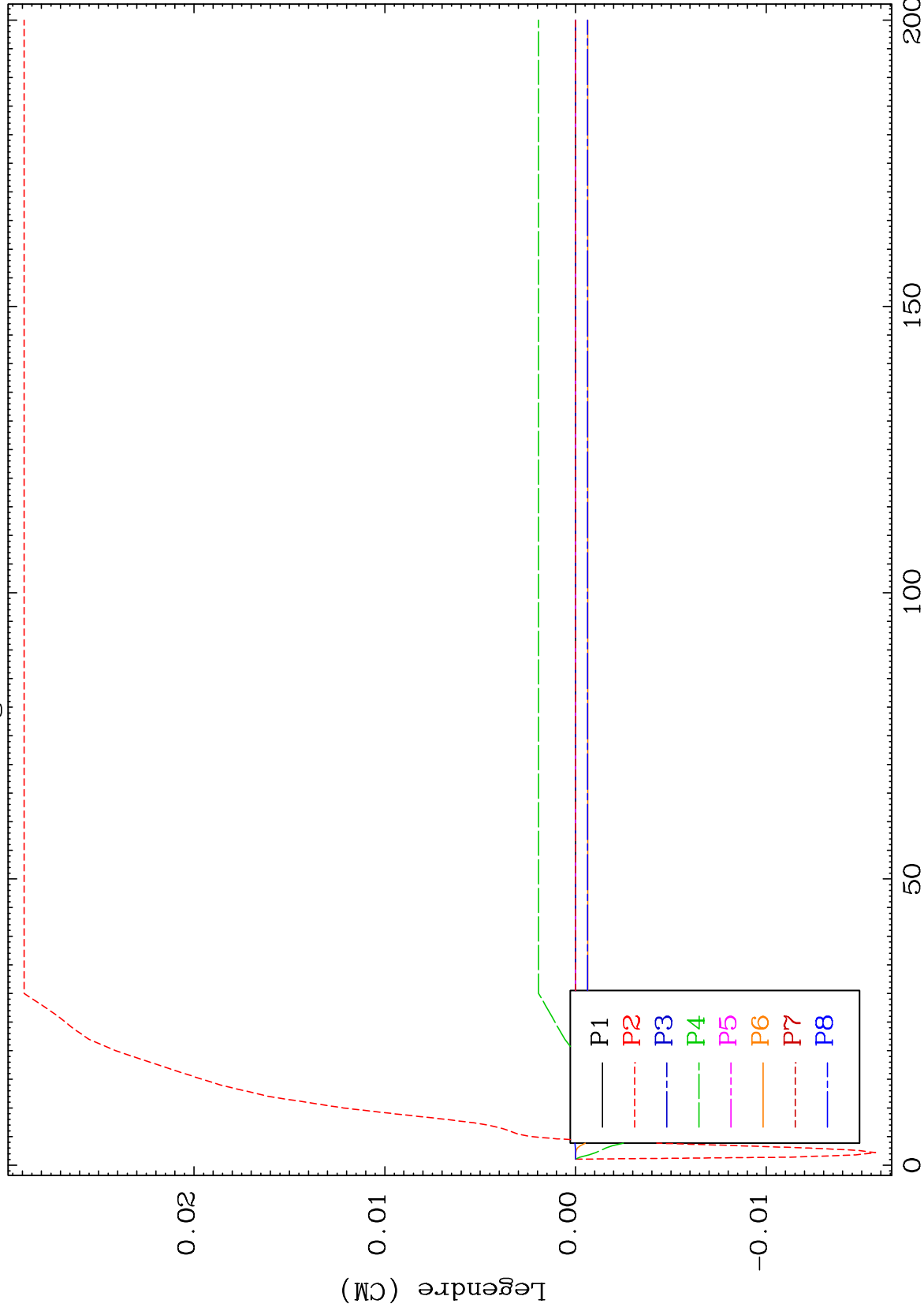
MAT 5152 MT= 69 (n,n') Level Legendre Coefficients 51-Sb-130



MAT 5152

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

51-Sb-130



89

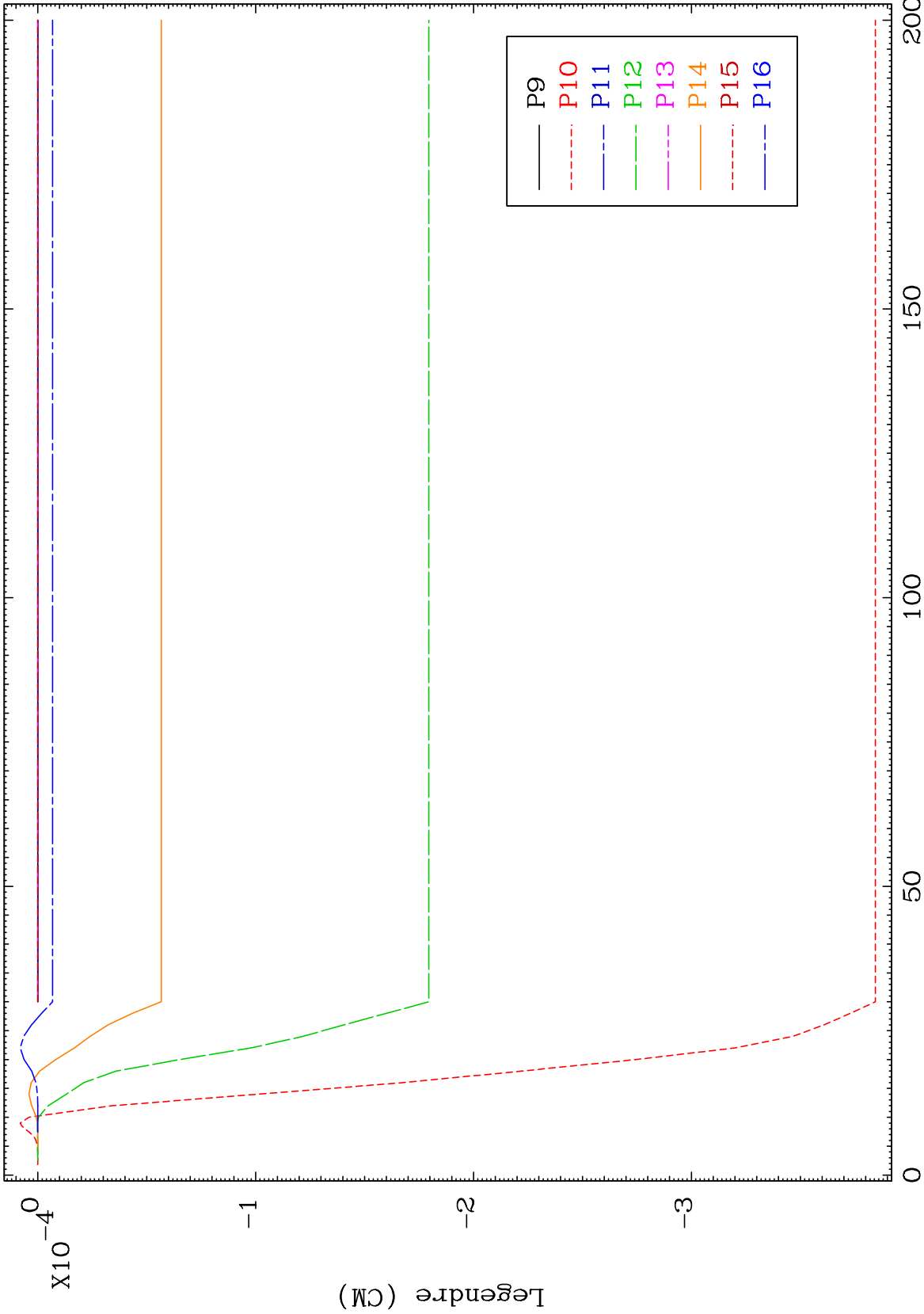
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130

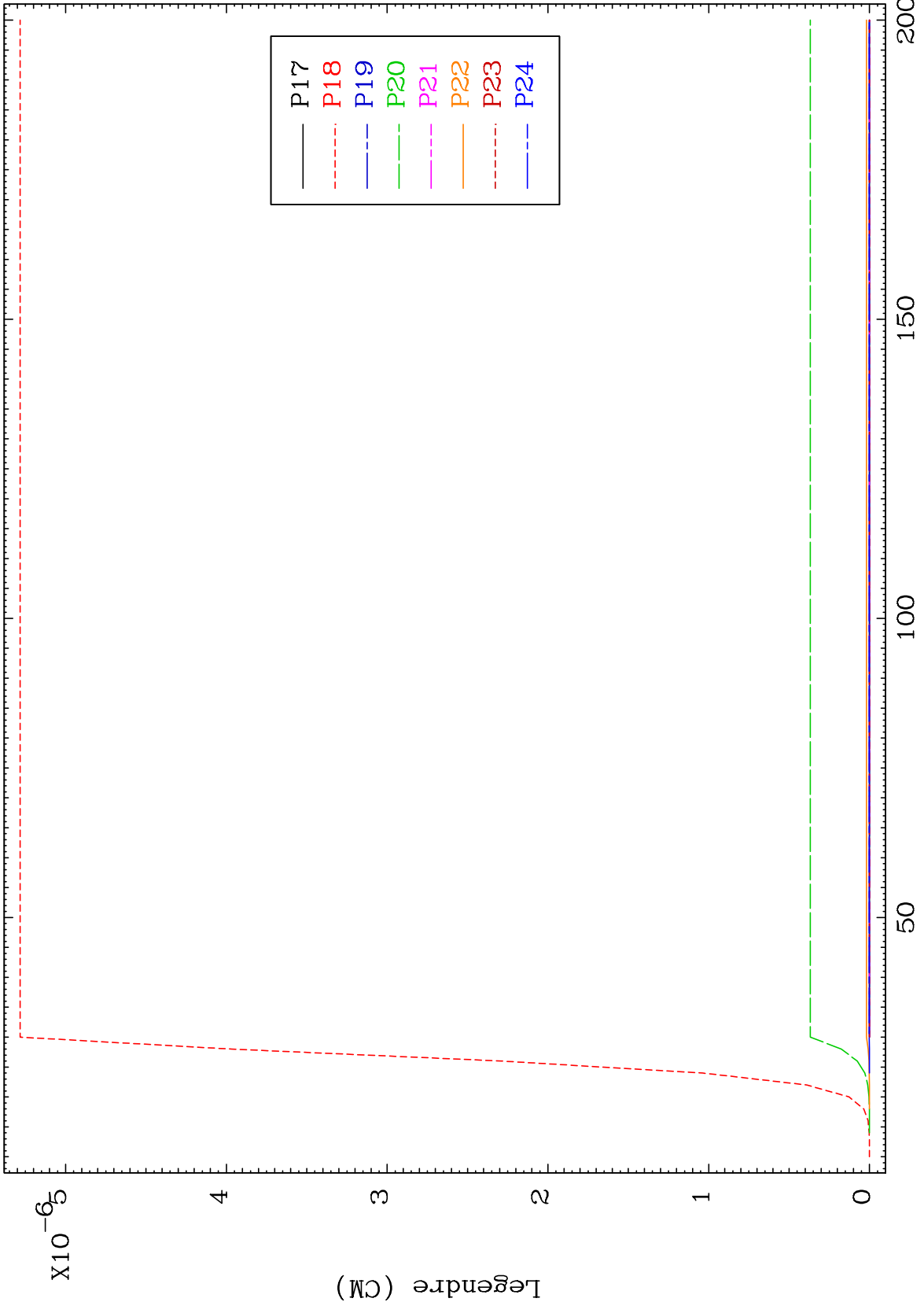


90

Incident Energy (MeV)

51-Sb-130

MAT 5152 MT= 70 (n,n') Level Legendre Coefficients 51-Sb-130

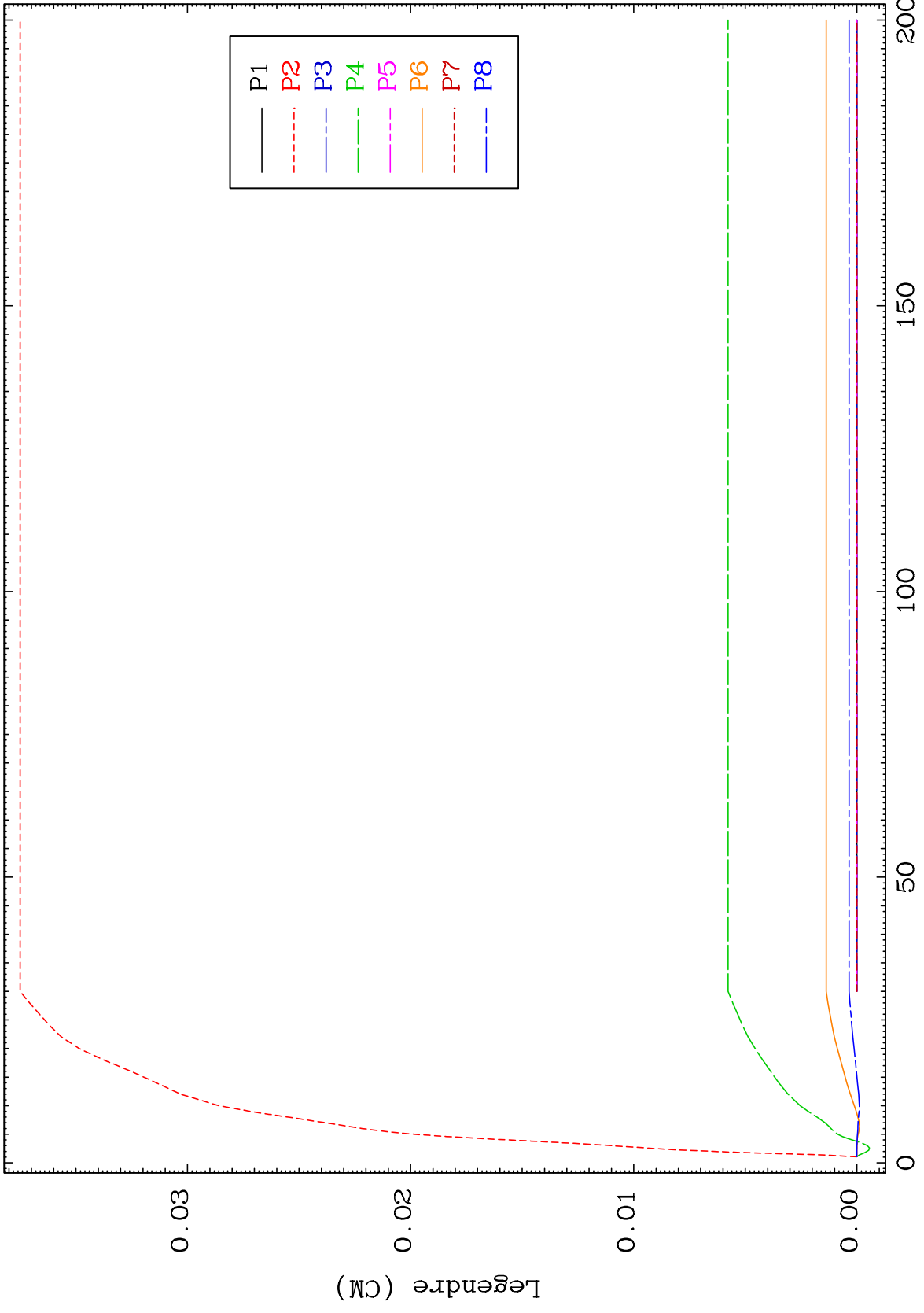


91 51-Sb-130

MAT 5152

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

51-Sb-130



92

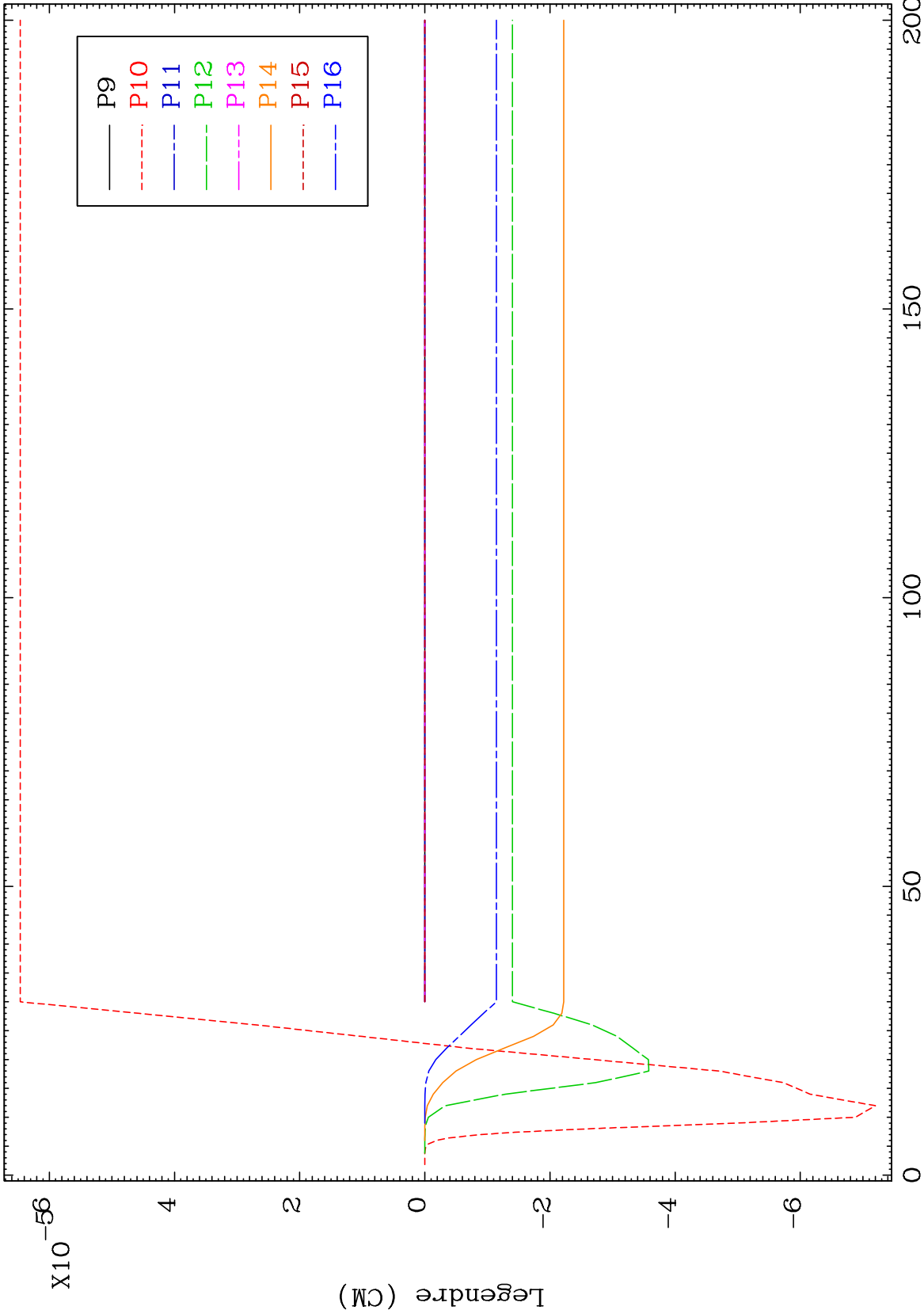
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

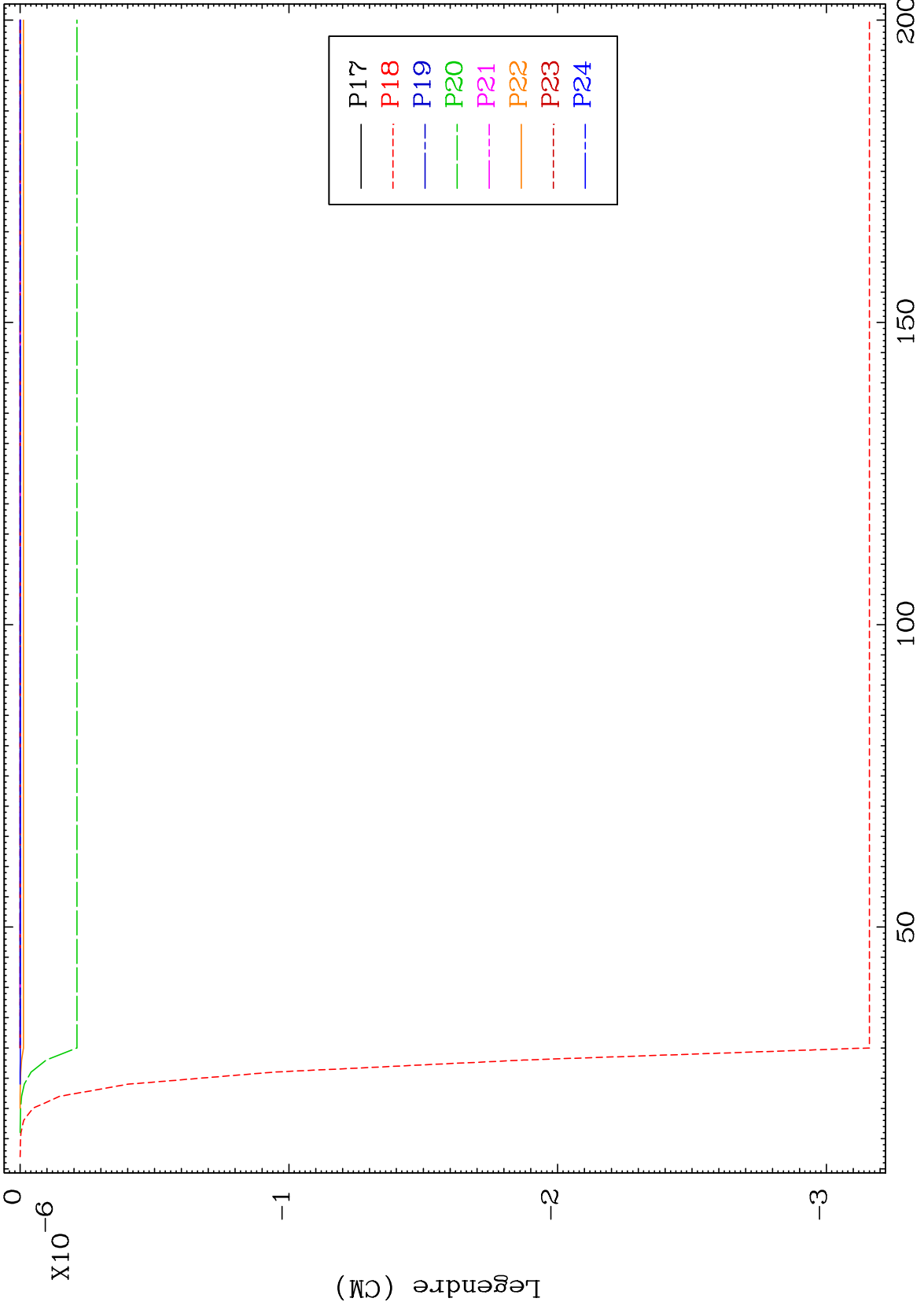
51-Sb-130



93

51-Sb-130

MAT 5152 MT= 71 (n,n') Level Legendre Coefficients 51-Sb-130

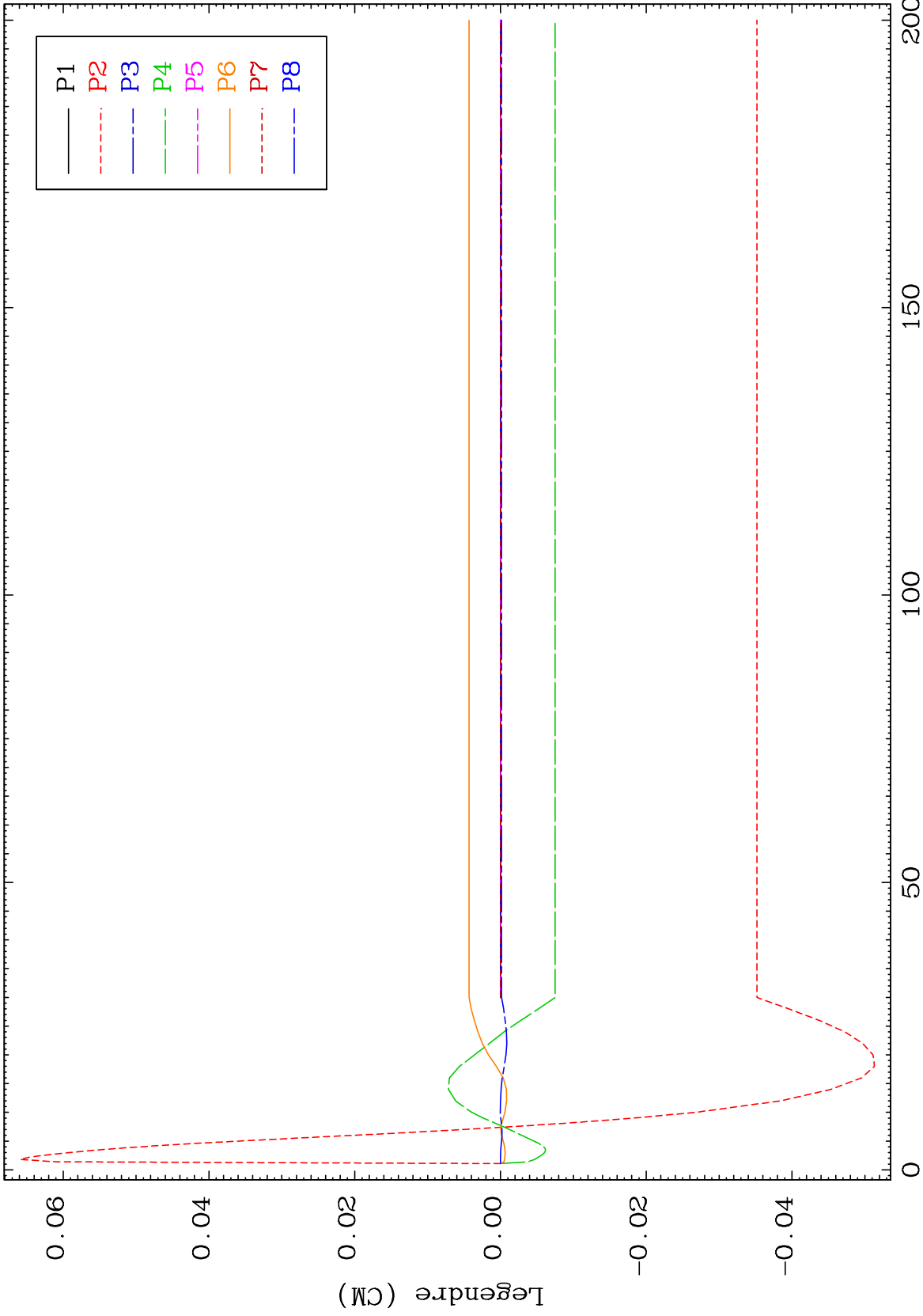


94 51-Sb-130

MAT 5152

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

51-Sb-130



95

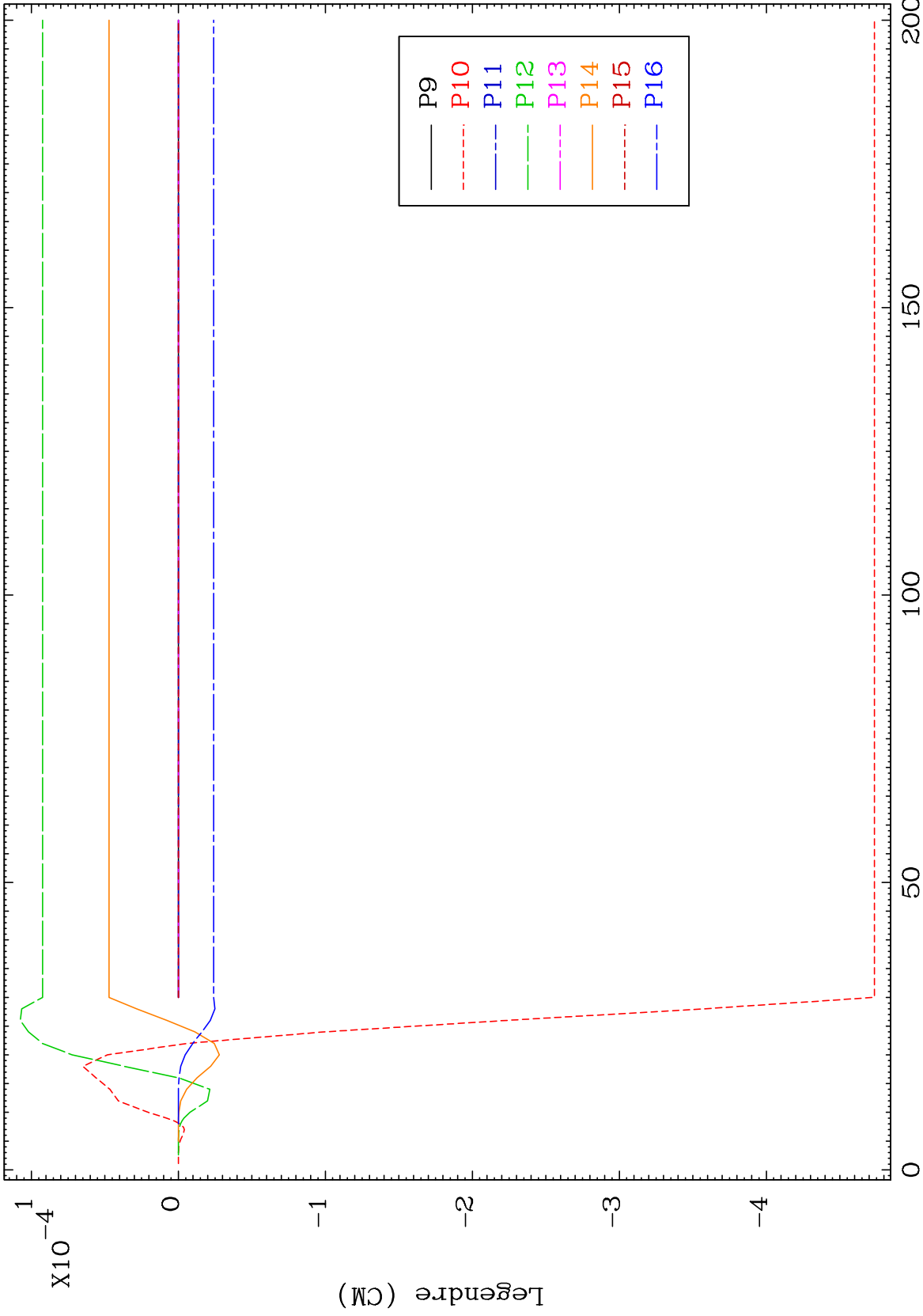
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



96

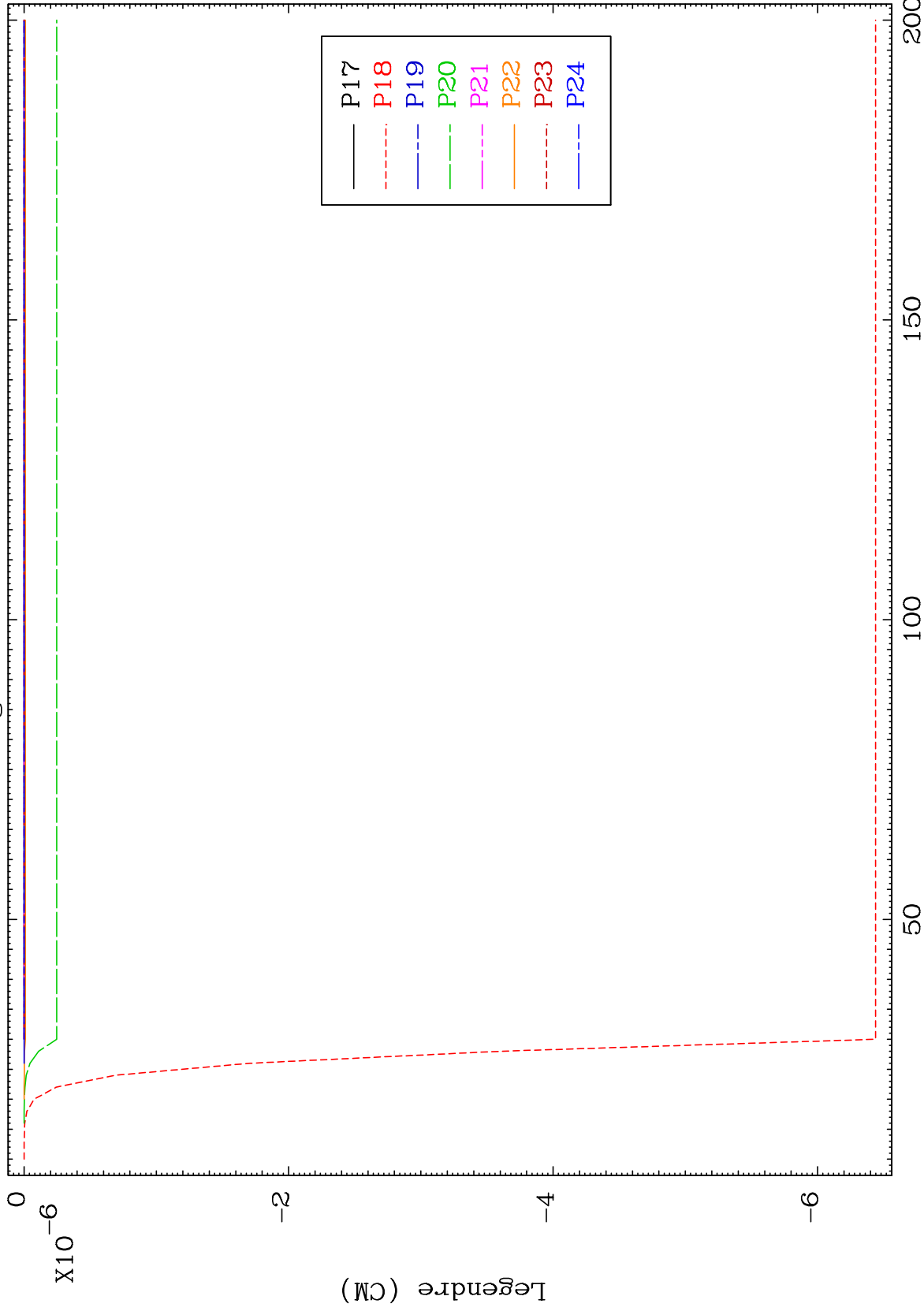
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



97

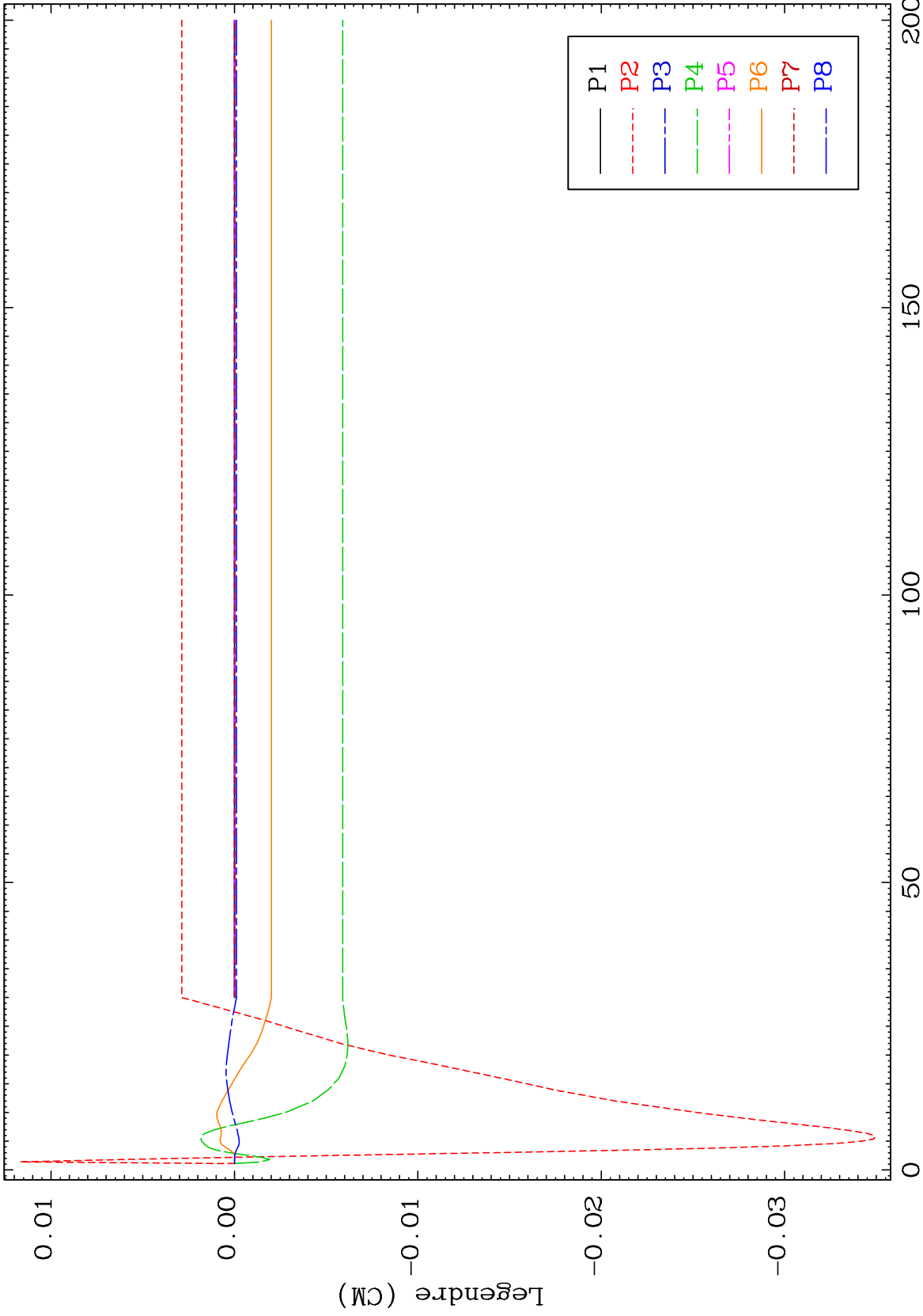
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



98

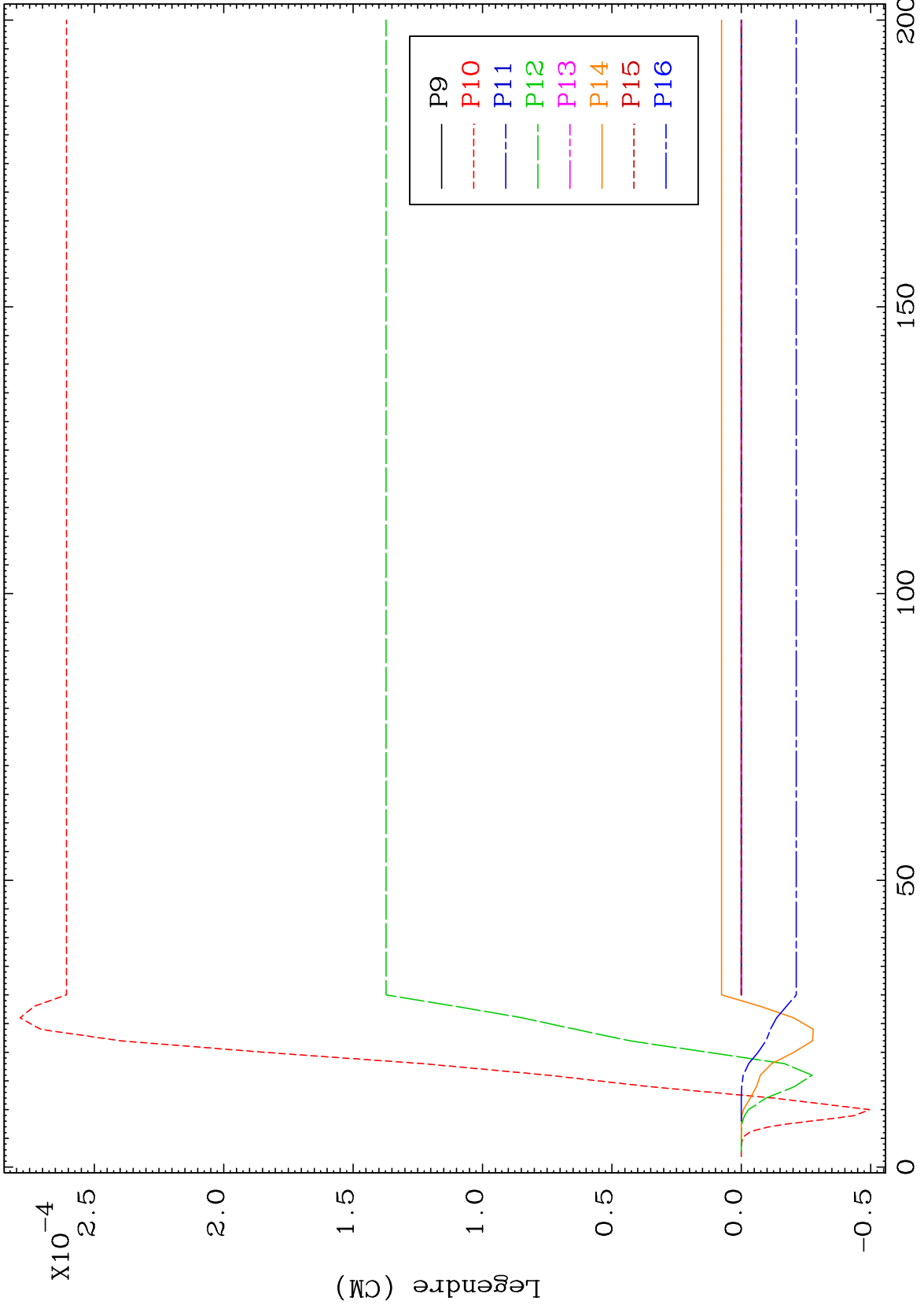
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130

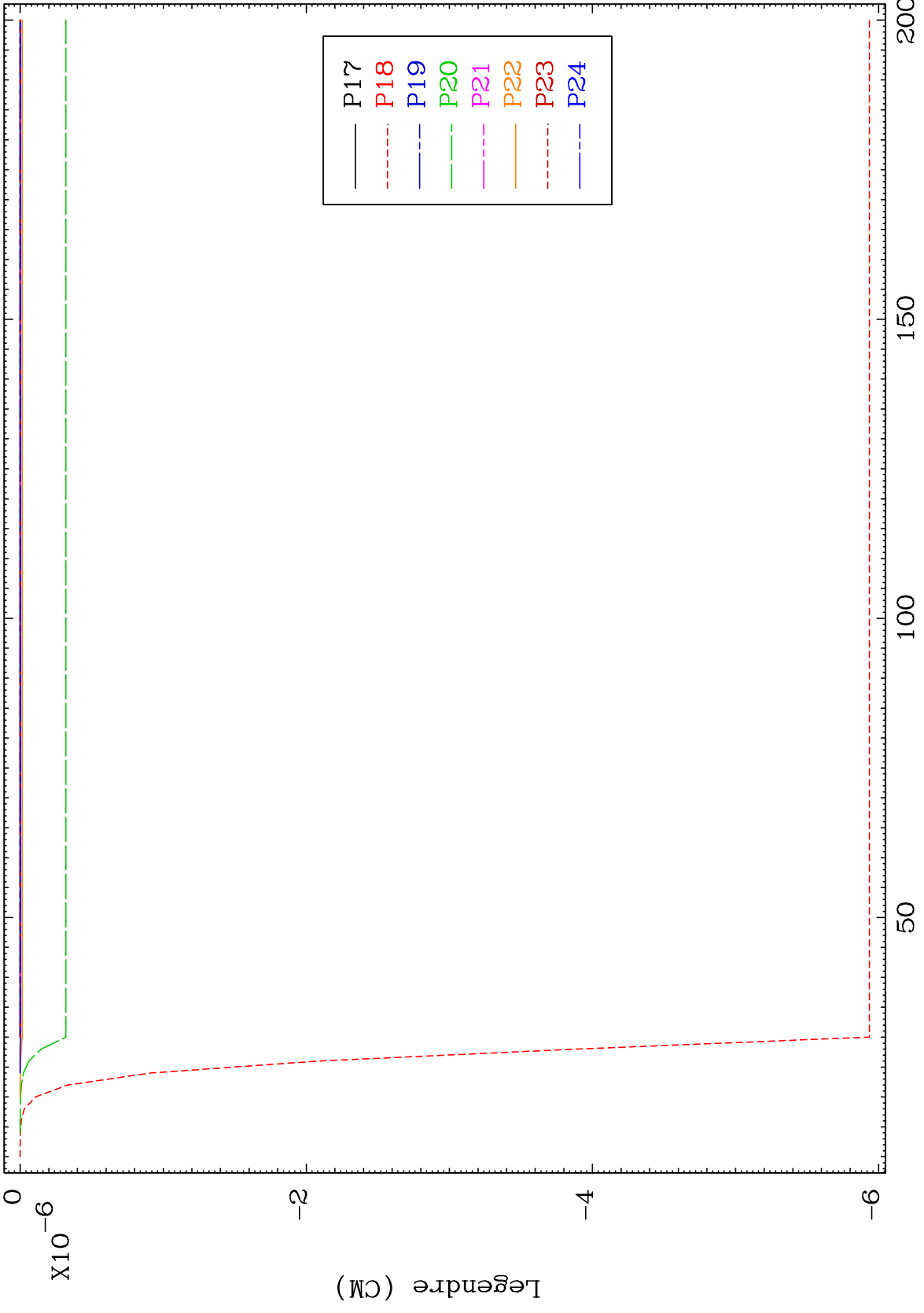


99

Incident Energy (MeV)

51-Sb-130

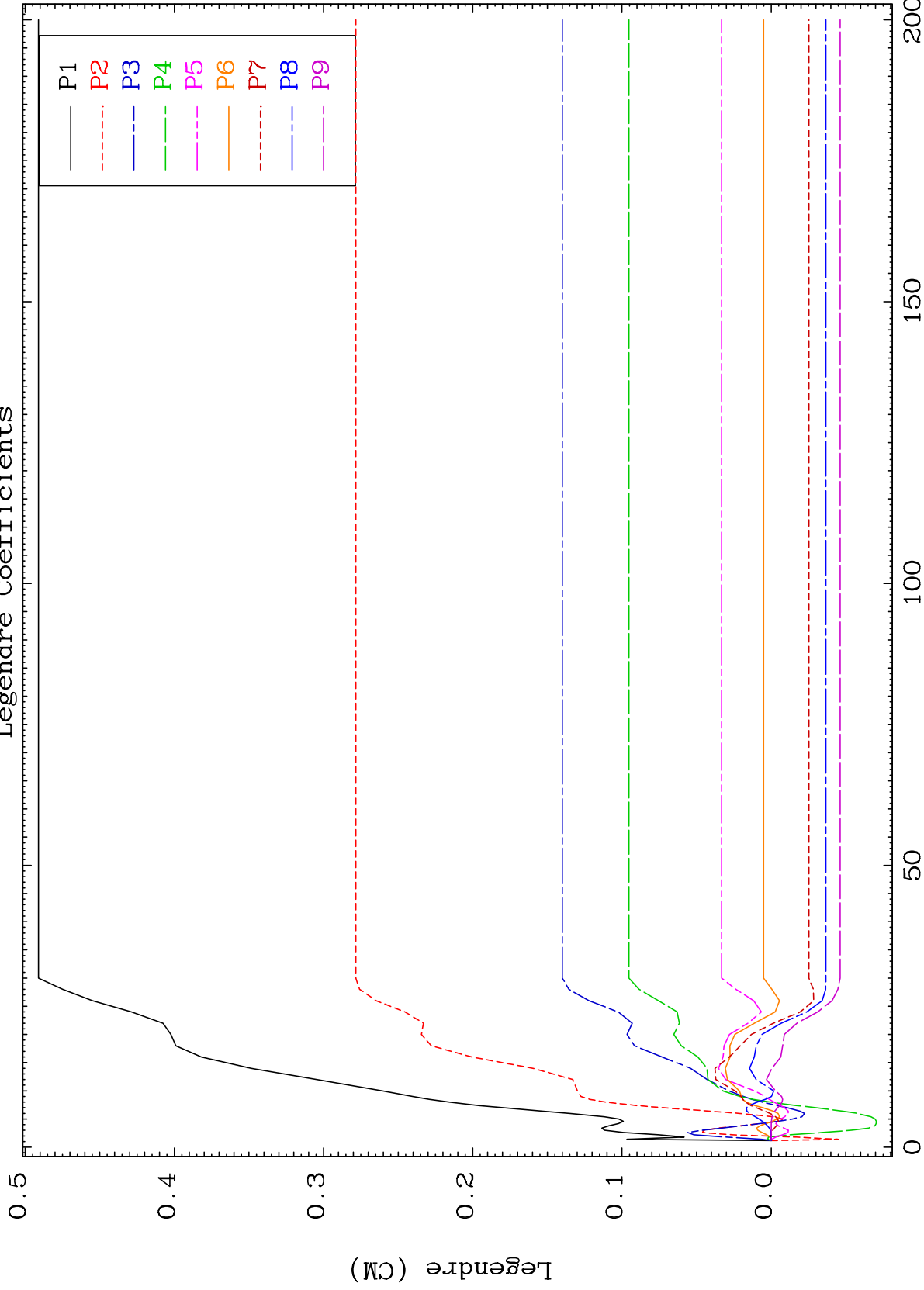
MAT 5152 MT= 73 (n,n') Level Legendre Coefficients 51-Sb-130



MAT 5152

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

51-Sb-130



51-Sb-130

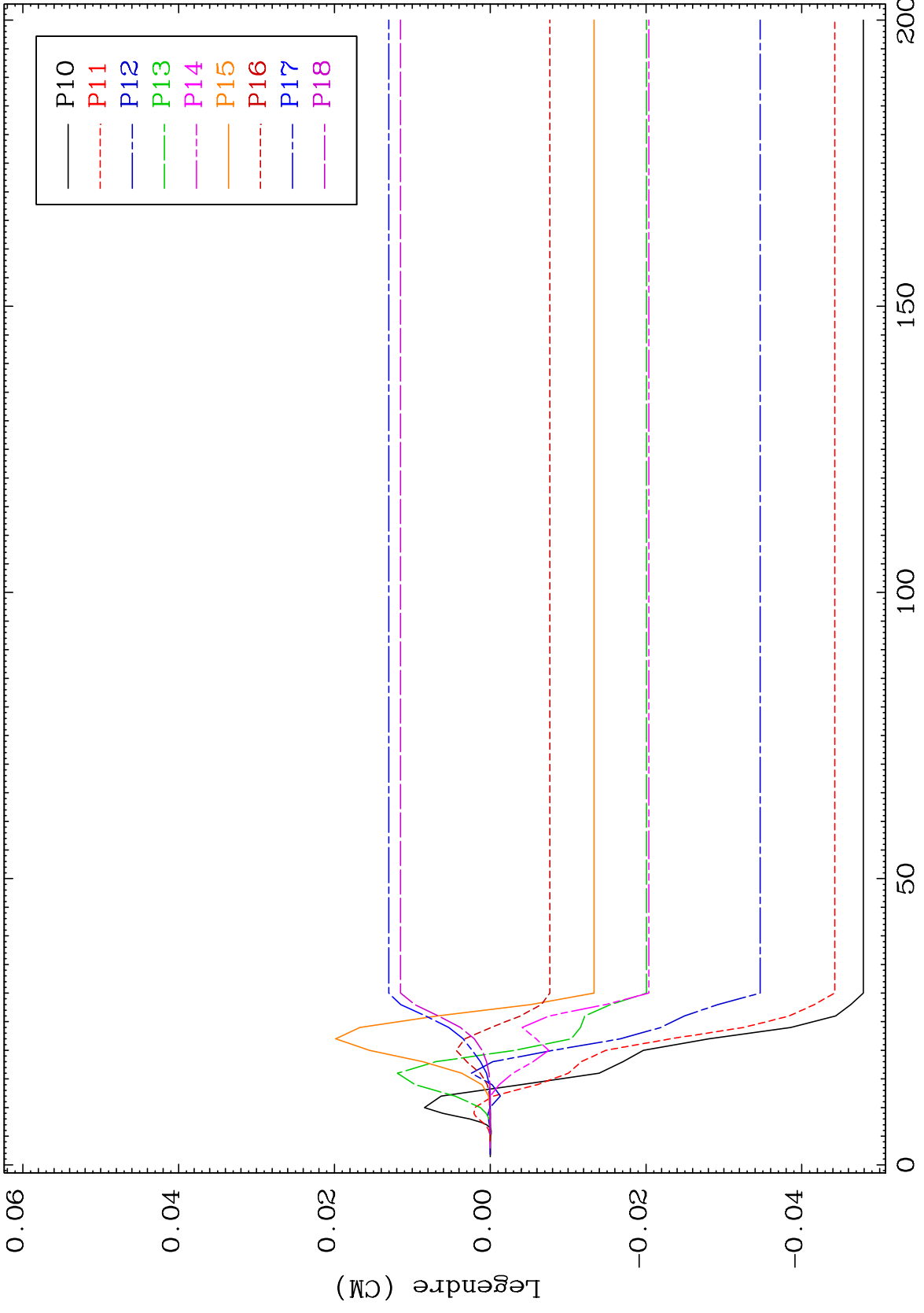
Incident Energy (MeV)

101

MAT 5152

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

51-Sb-130



102

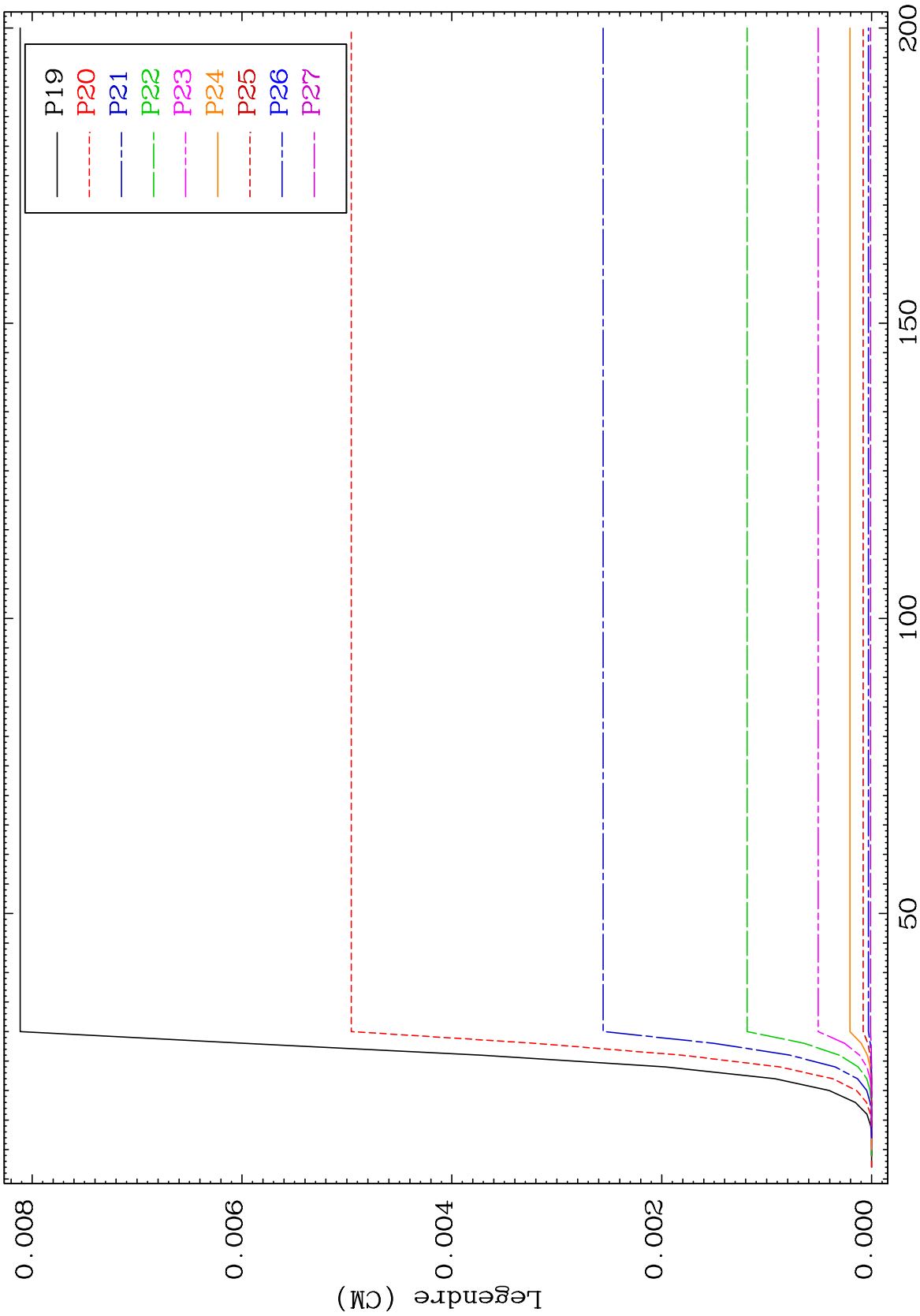
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



103

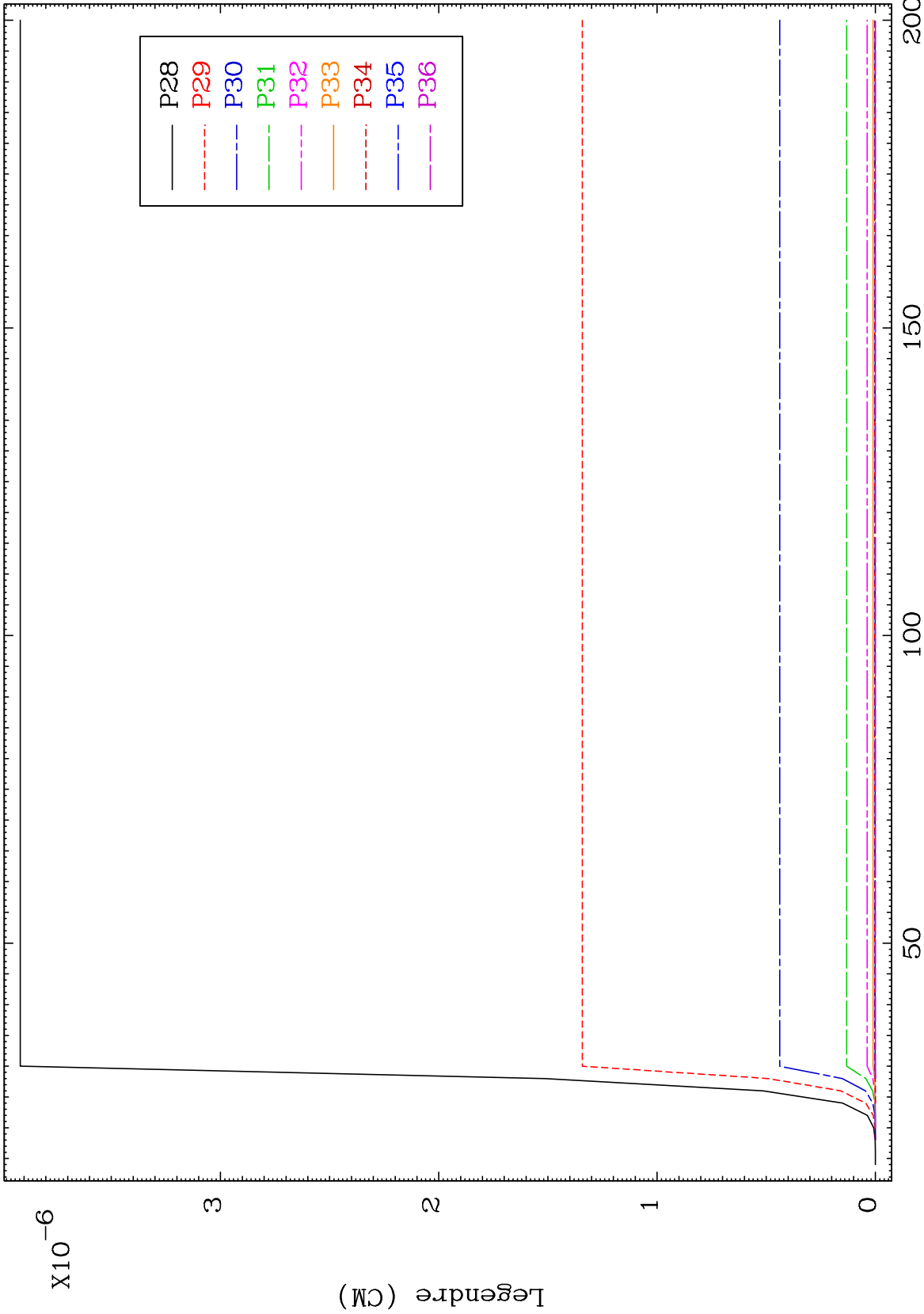
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



104

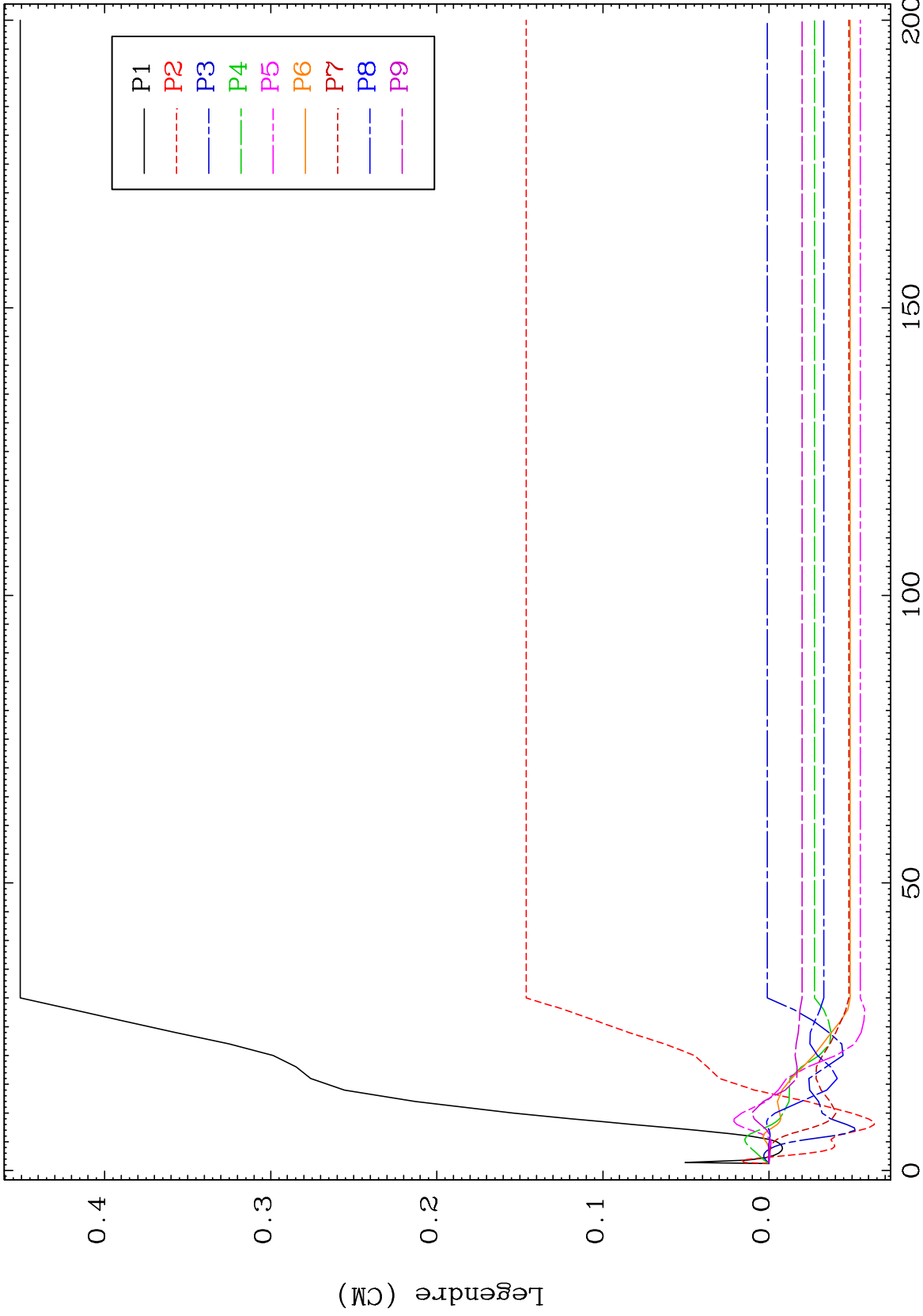
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



51-Sb-130

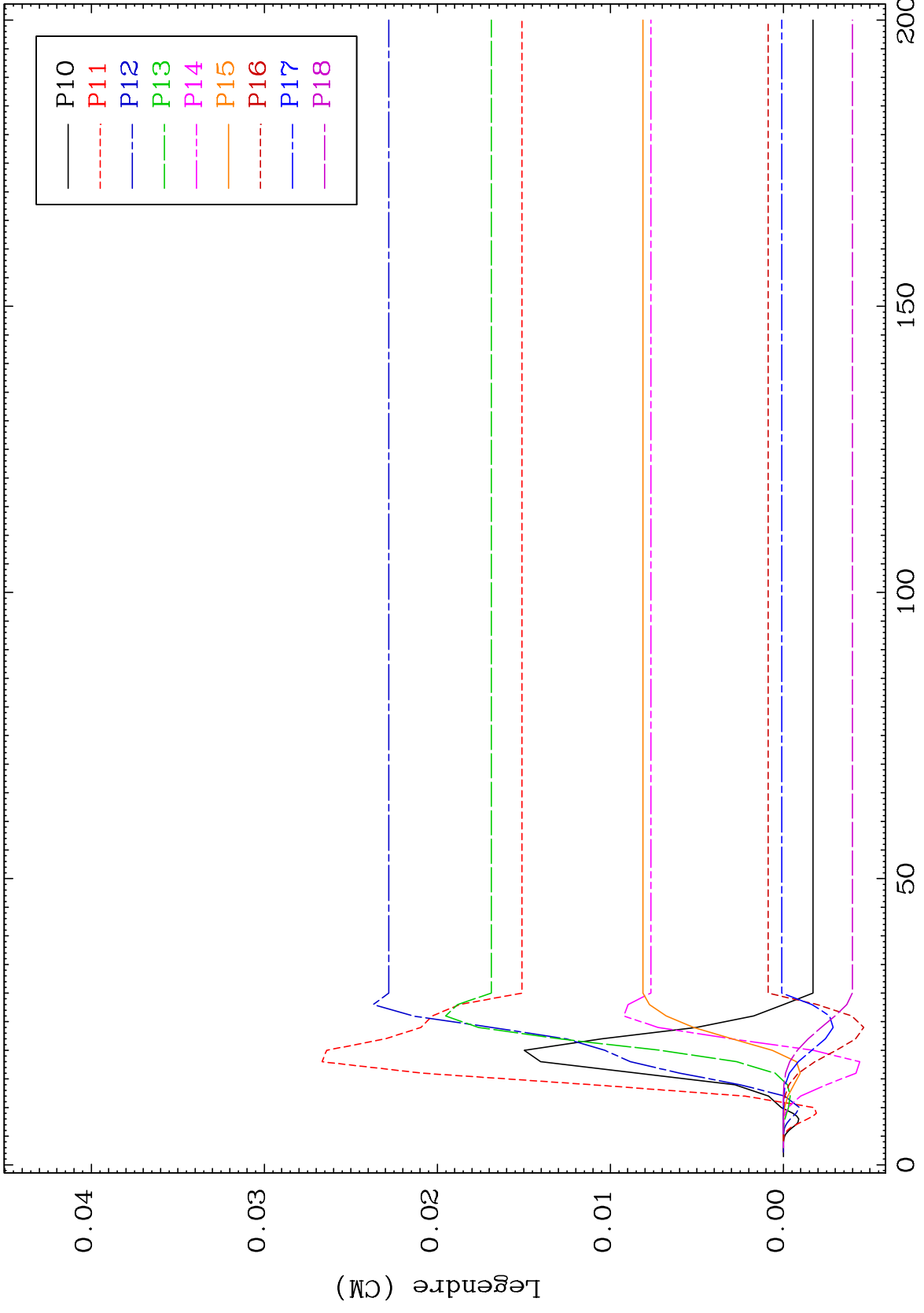
Incident Energy (MeV)

105

MAT 5152

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

51-Sb-130



106

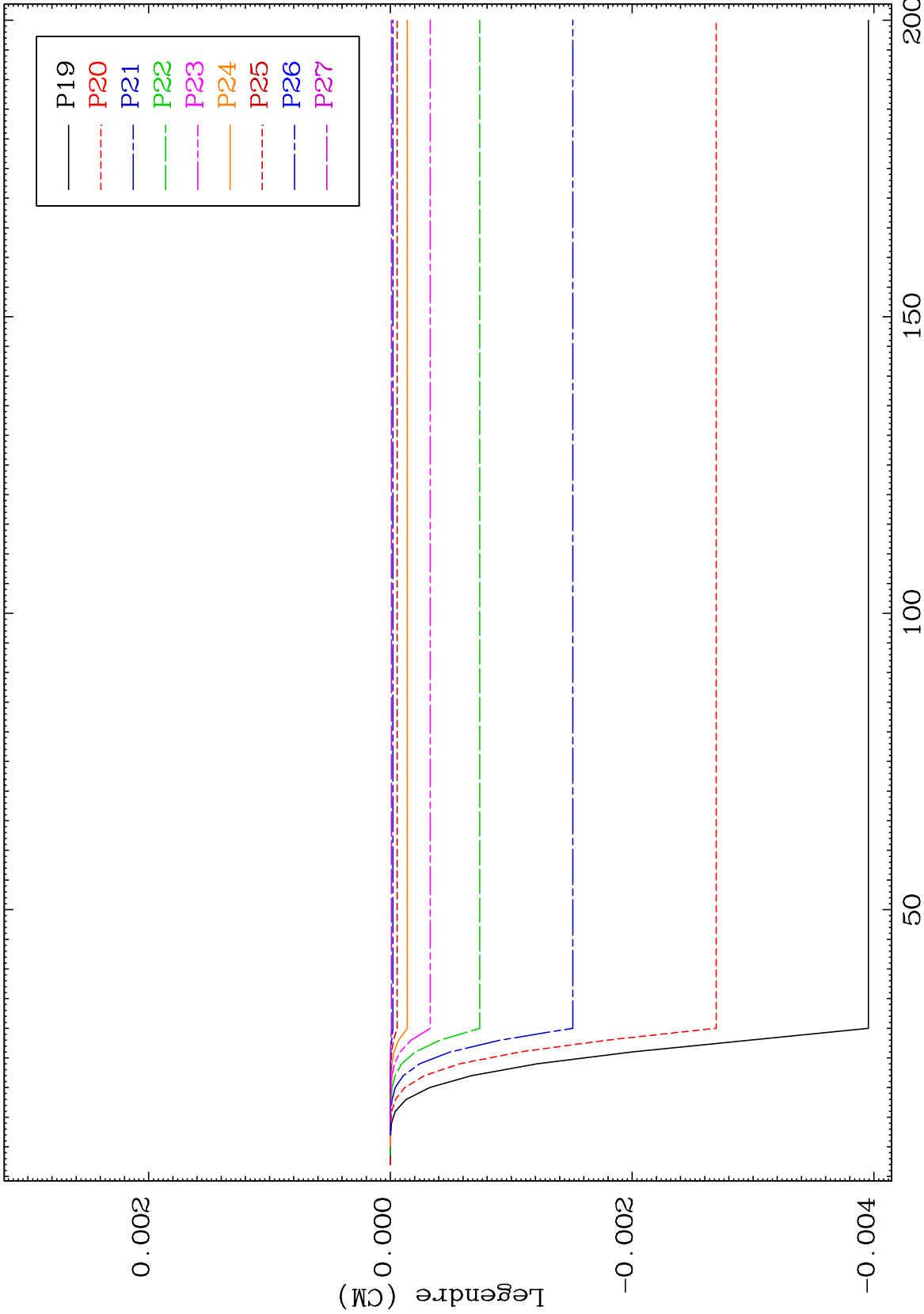
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130

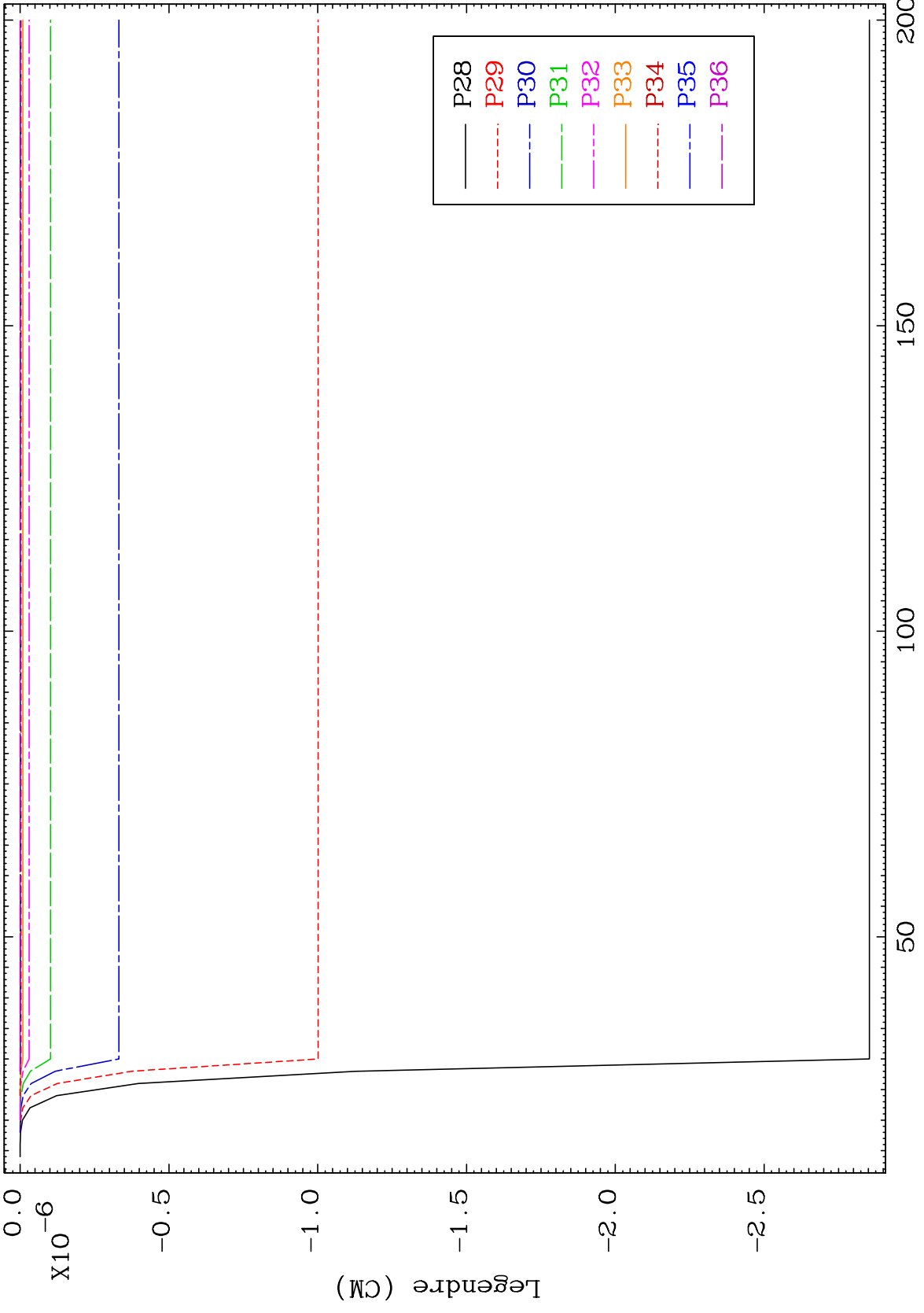


107

Incident Energy (MeV)

51-Sb-130

MAT 5152 MT= 75 (n,n') Level Legendre Coefficients 51-Sb-130

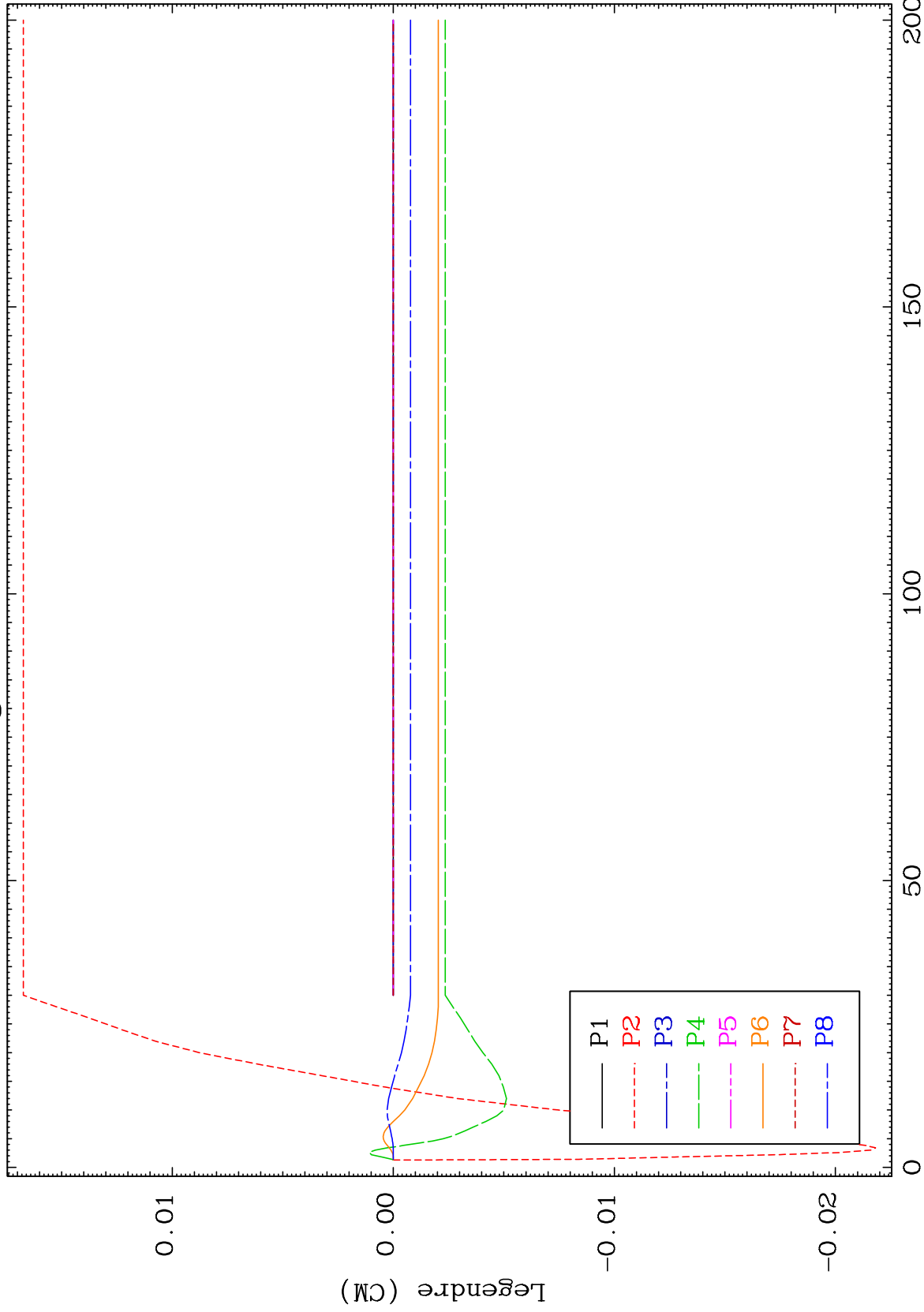


108 51-Sb-130

MAT 5152

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

51-Sb-130



109

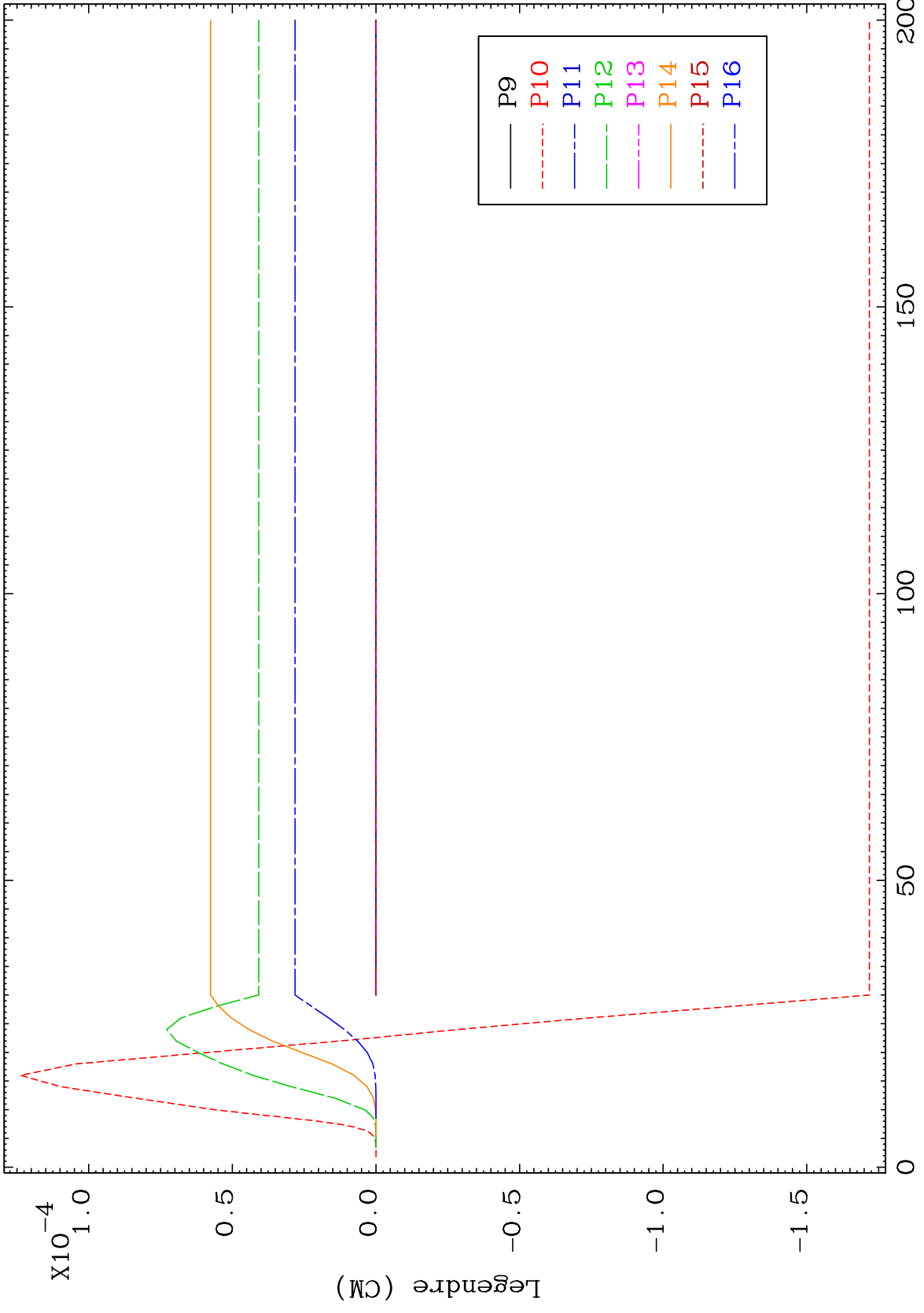
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130

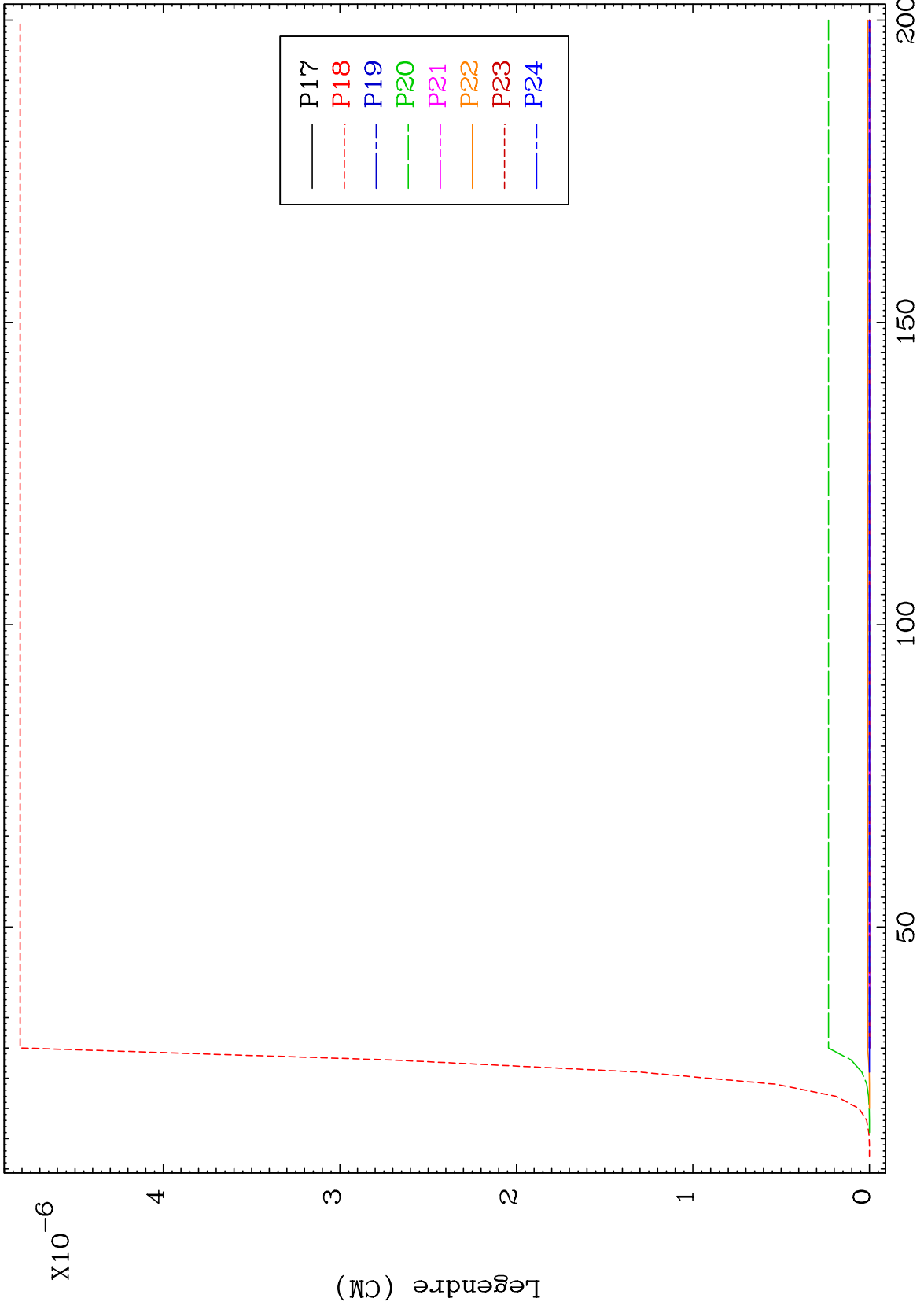


110

Incident Energy (MeV)

51-Sb-130

MAT 5152 MT= 76 (n,n') Level Legendre Coefficients 51-Sb-130

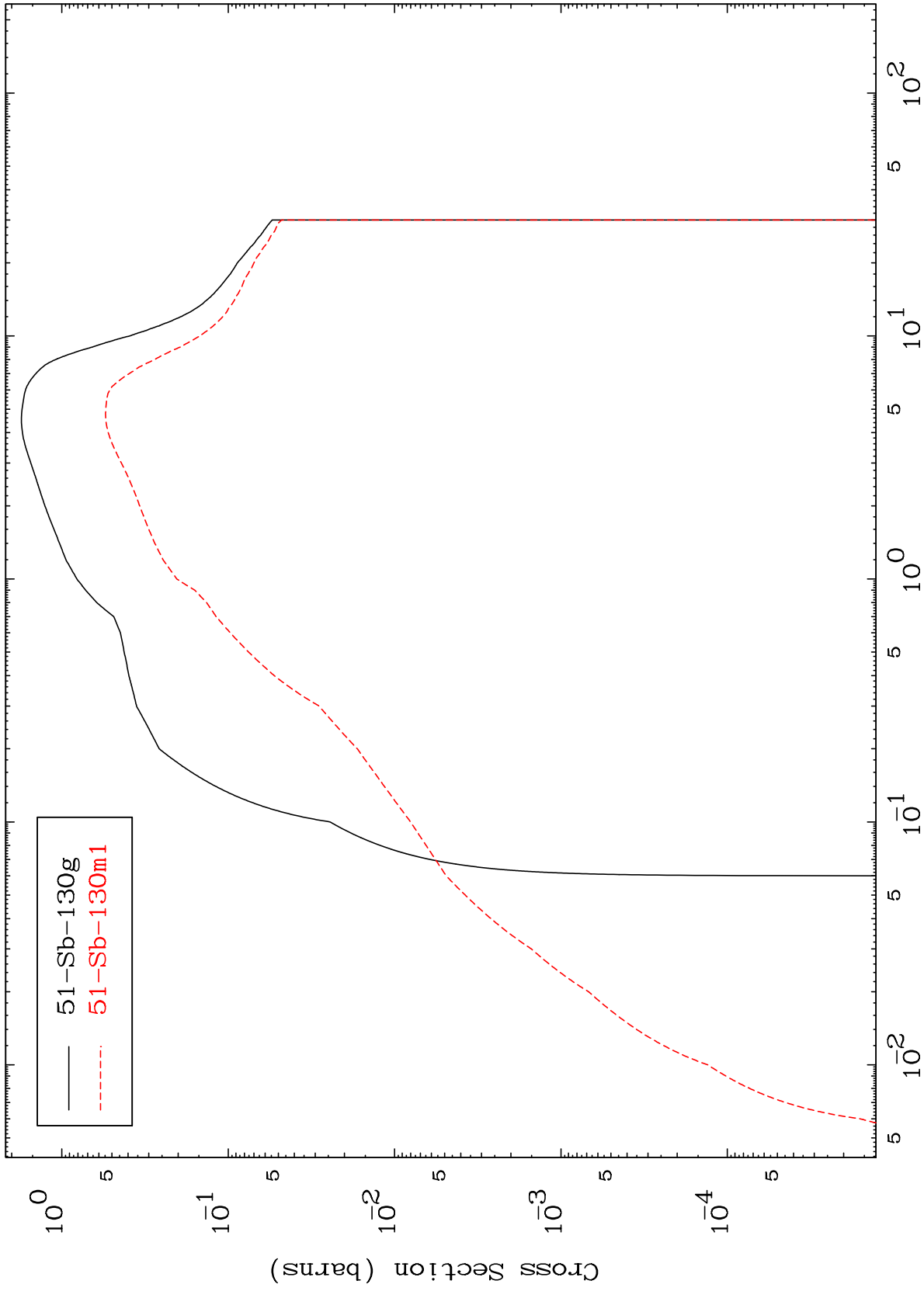


111 51-Sb-130

MAT 5152

51-Sb-130

Inelastic  
Radionuclide Production Cross Section



112

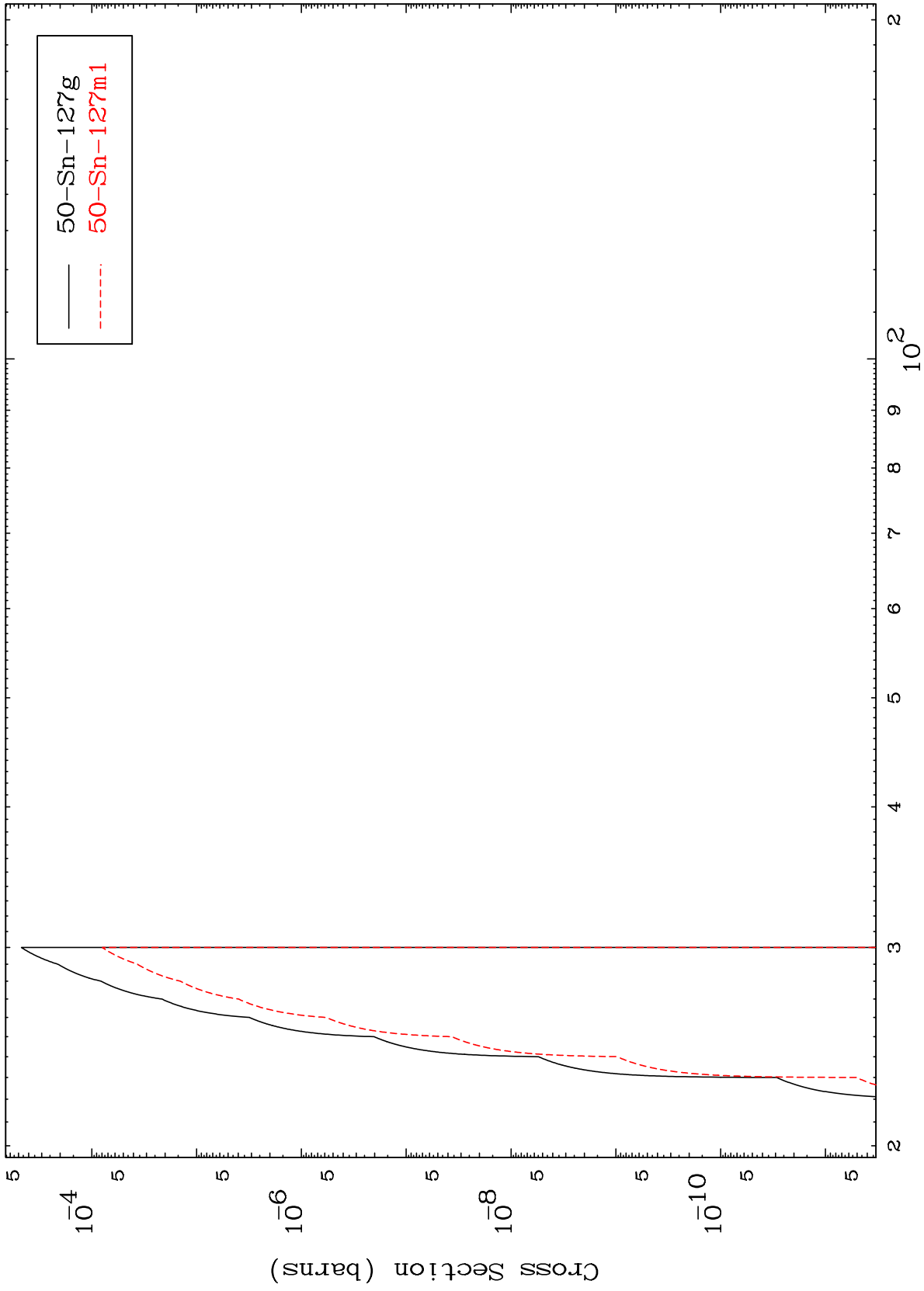
51-Sb-130

MAT 5152

(n,2n) d

51-Sb-130

Radionuclide Production Cross Section



113

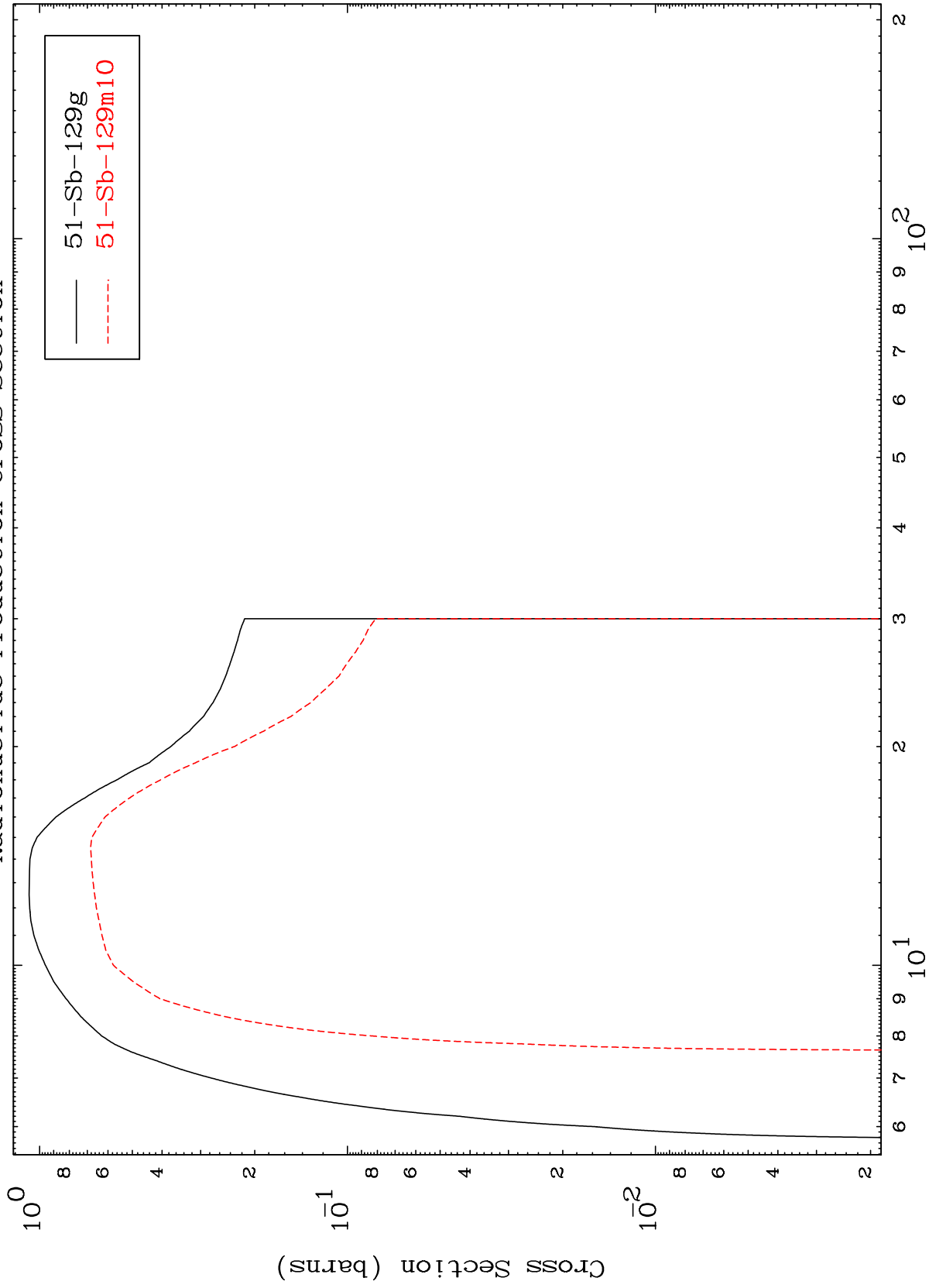
Incident Energy (MeV)

51-Sb-130

MAT 5152

51-Sb-130

(n,2n)  
Radionuclide Production Cross Section



114

51-Sb-130

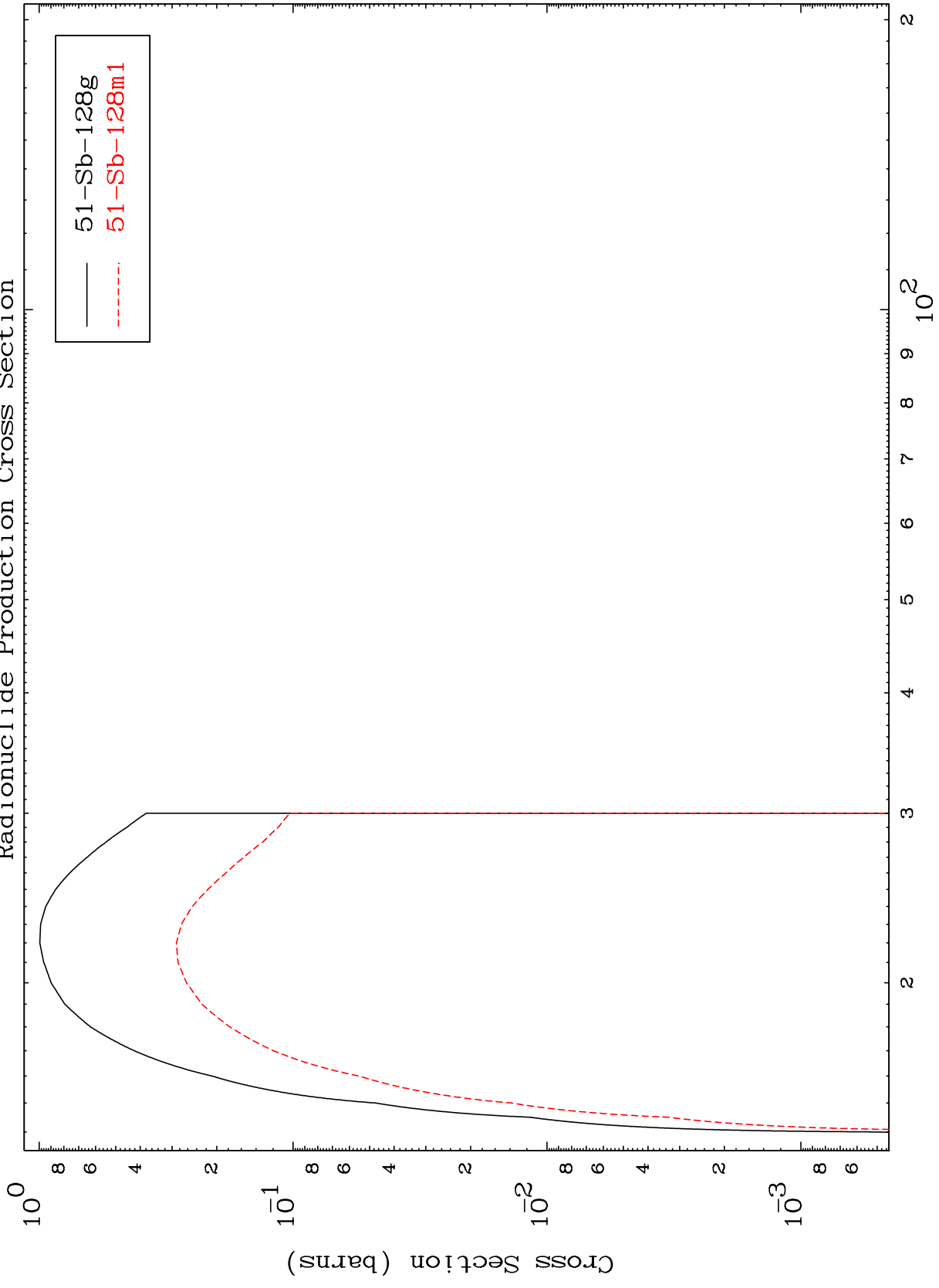
Incident Energy (MeV)

MAT 5152

(n,3n)

51-Sb-130

Radionuclide Production Cross Section



115

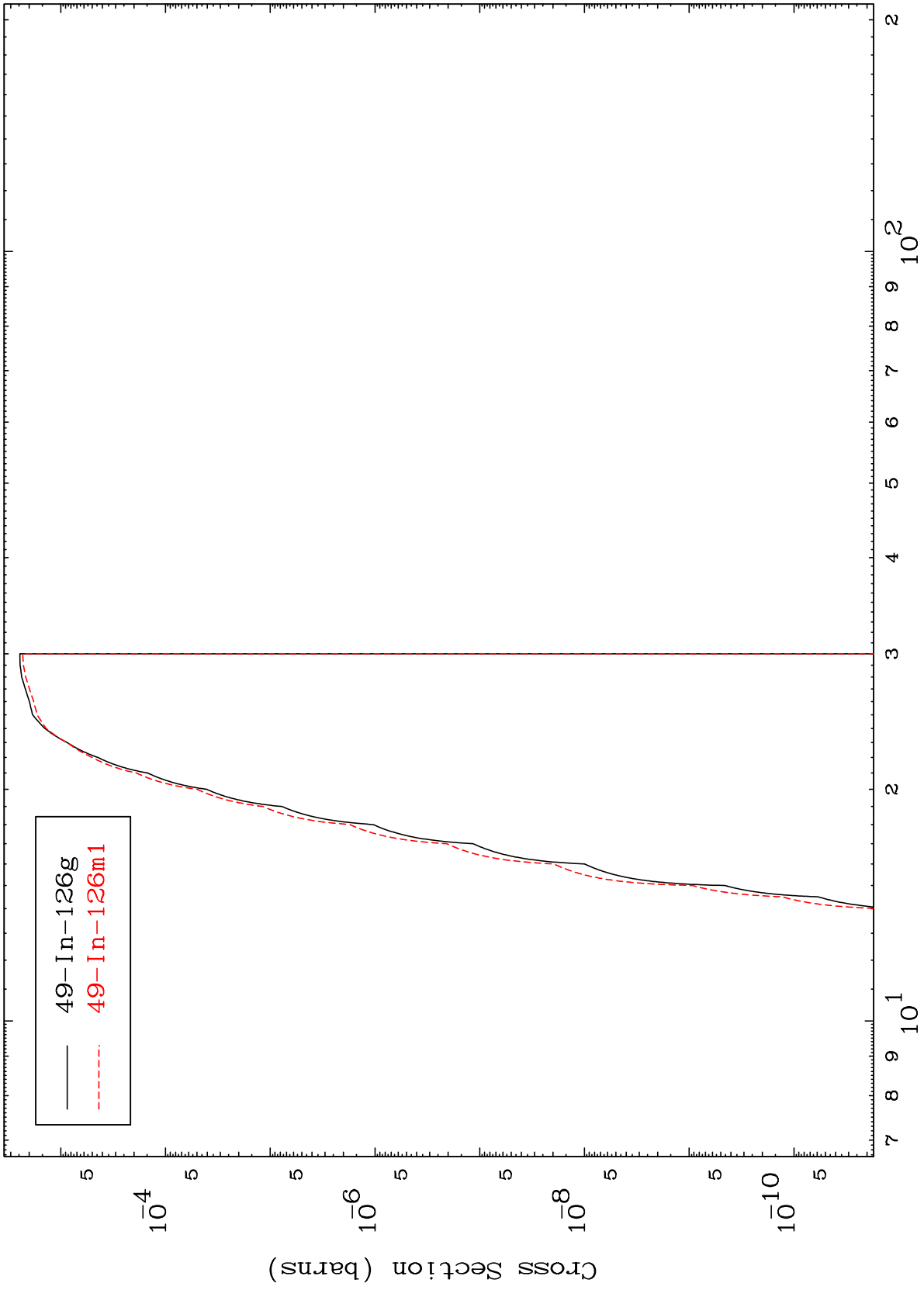
Incident Energy (MeV)

51-Sb-130

MAT 5152

51-Sb-130

(n,n')  $\alpha$   
Radionuclide Production Cross Section



116

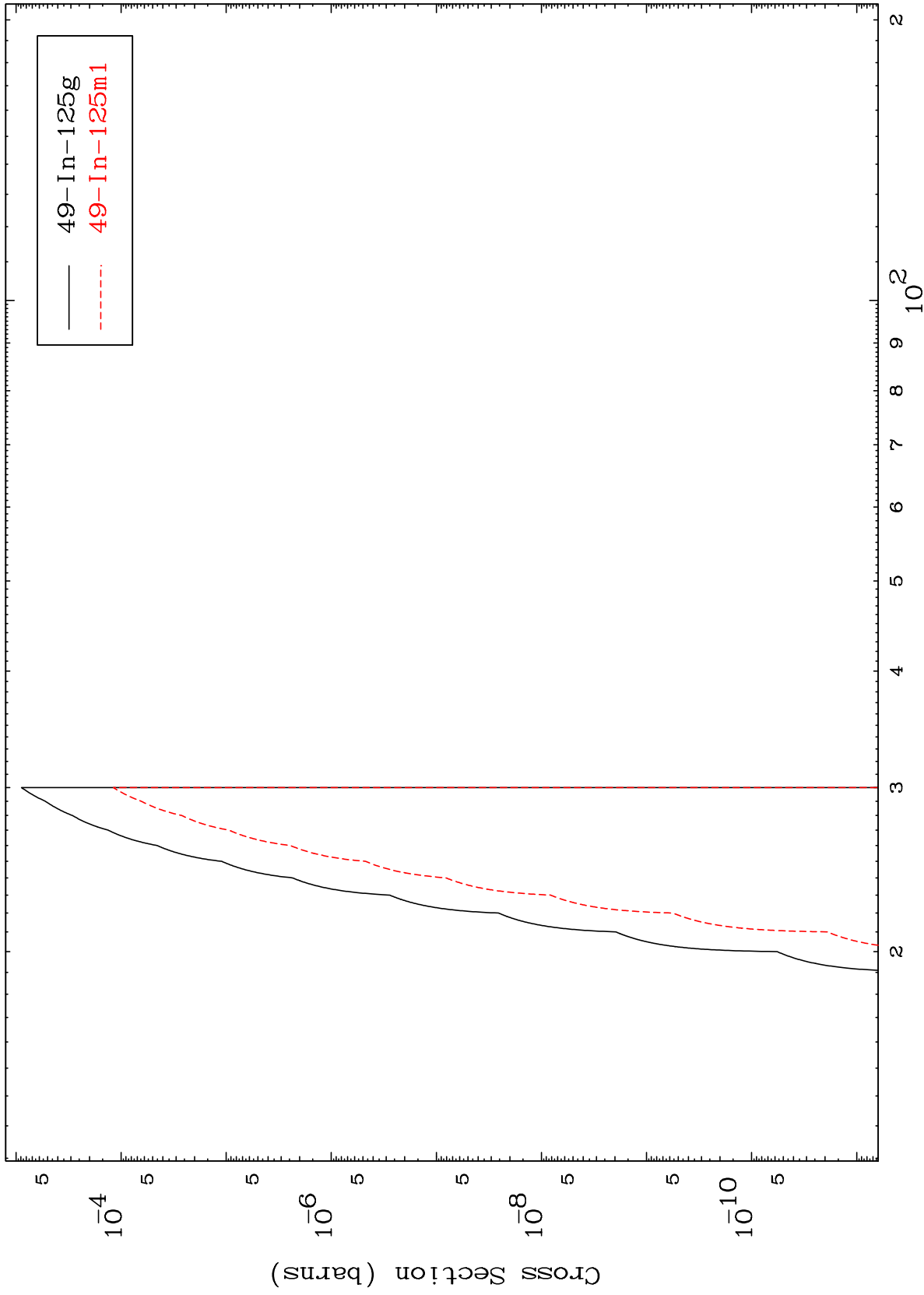
51-Sb-130

MAT 5152

(n,2n)  $\alpha$

51-Sb-130

Radionuclide Production Cross Section



117

Incident Energy (MeV)

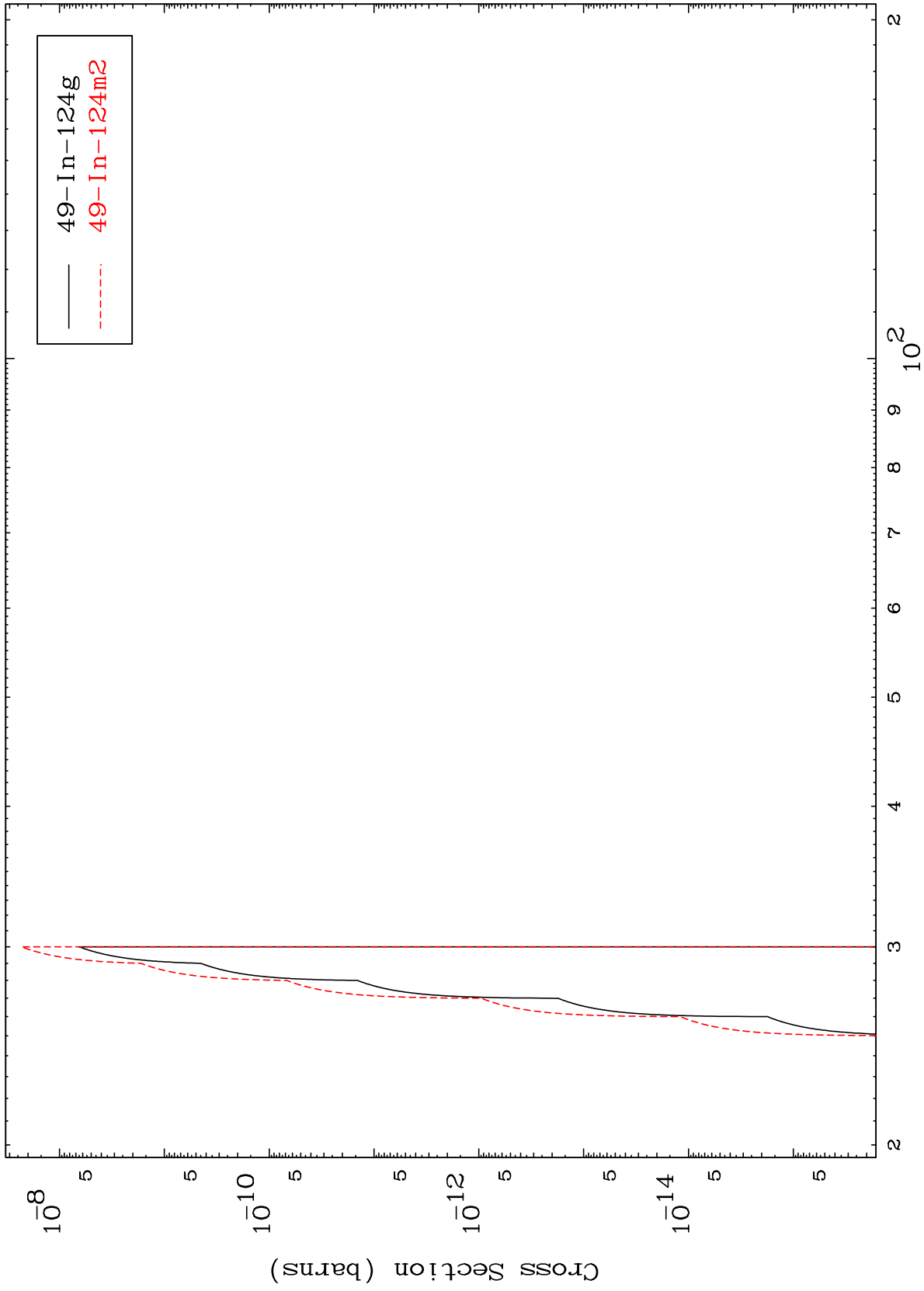
51-Sb-130

MAT 5152

(n,3n)  $\alpha$

51-Sb-130

Radionuclide Production Cross Section



118

Incident Energy (MeV)

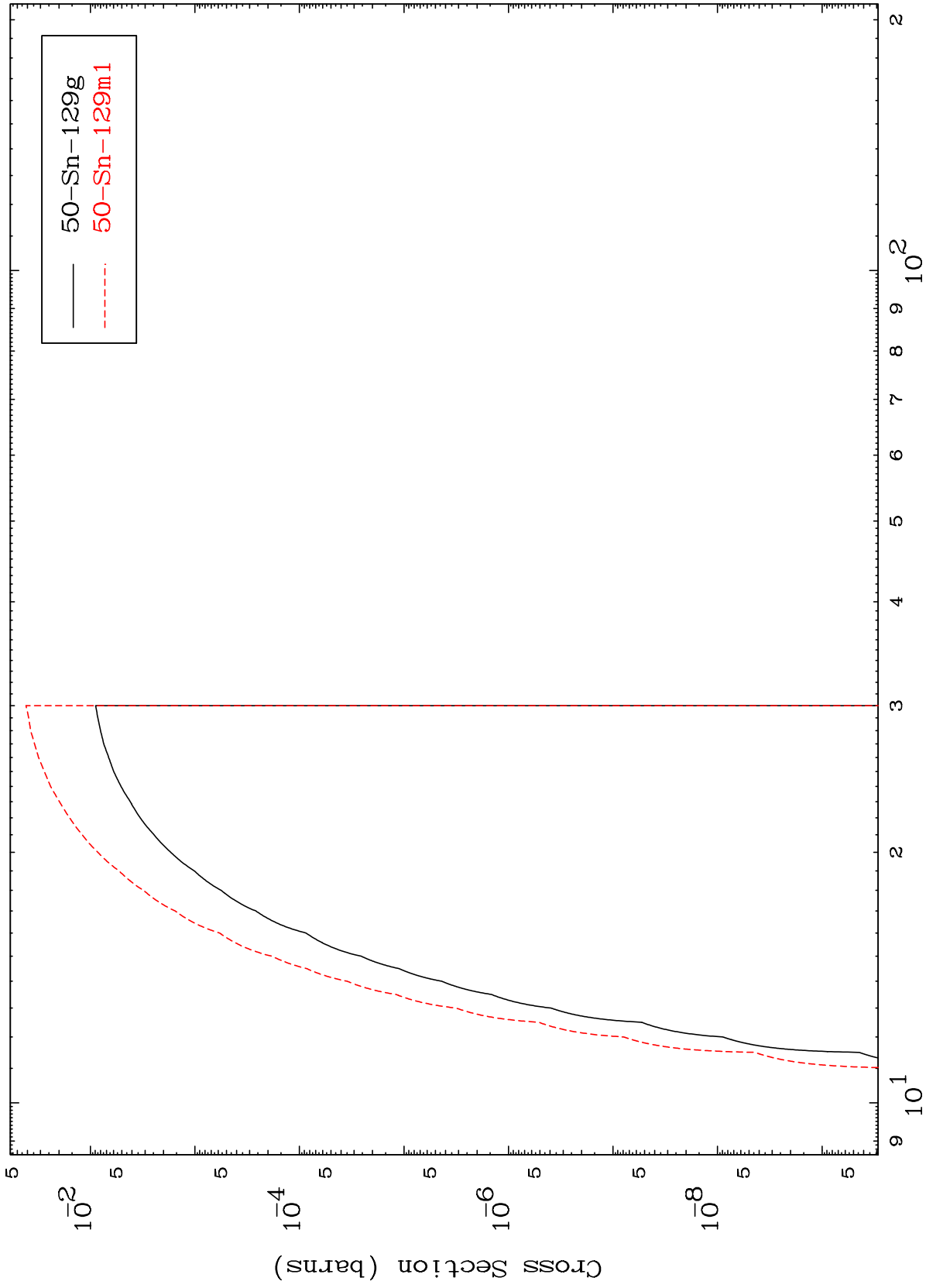
51-Sb-130

MAT 5152

(n,n') p

51-Sb-130

Radionuclide Production Cross Section



119

Incident Energy (MeV)

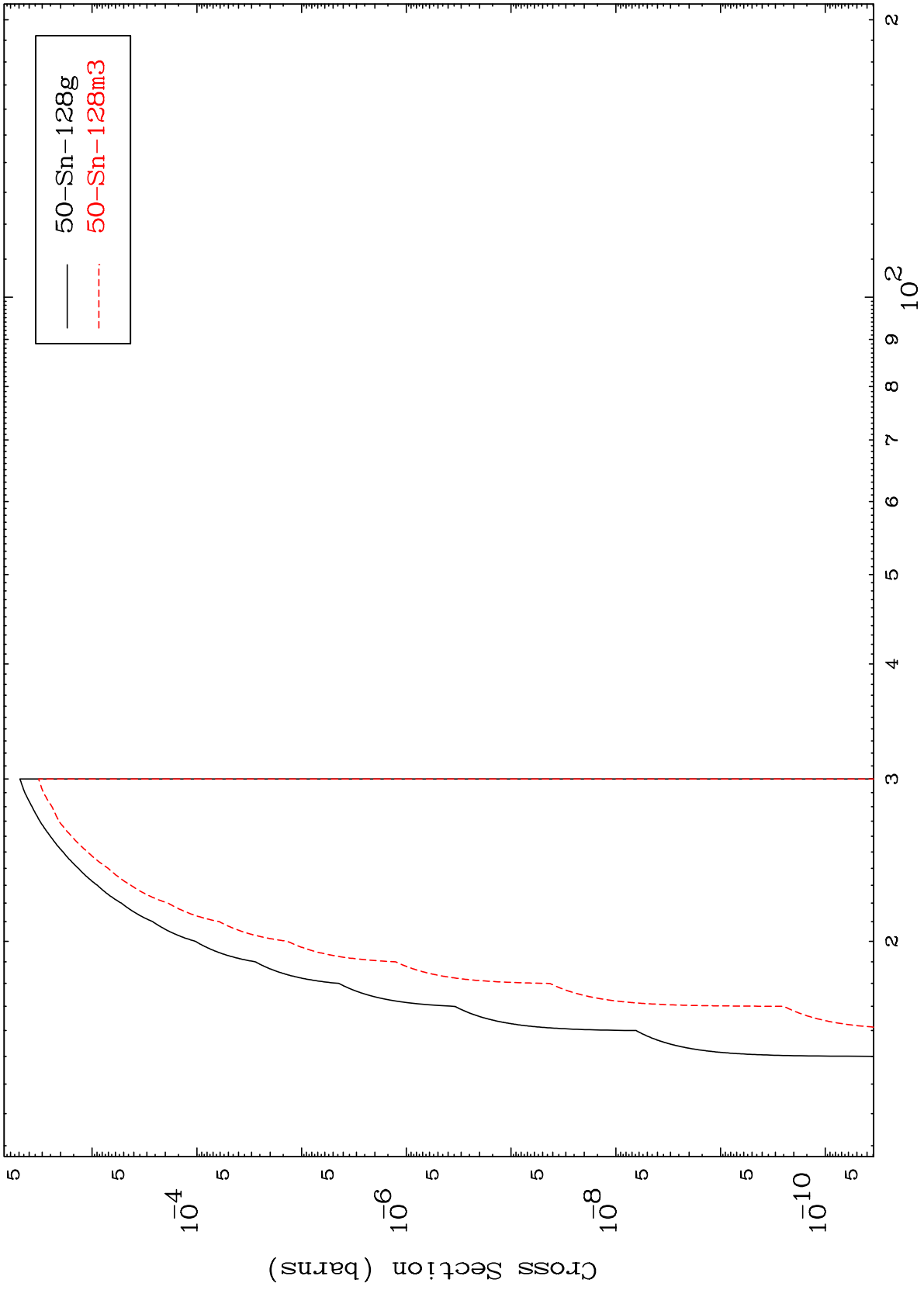
51-Sb-130

MAT 5152

(n,n') d

51-Sb-130

Radionuclide Production Cross Section



120

Incident Energy (MeV)

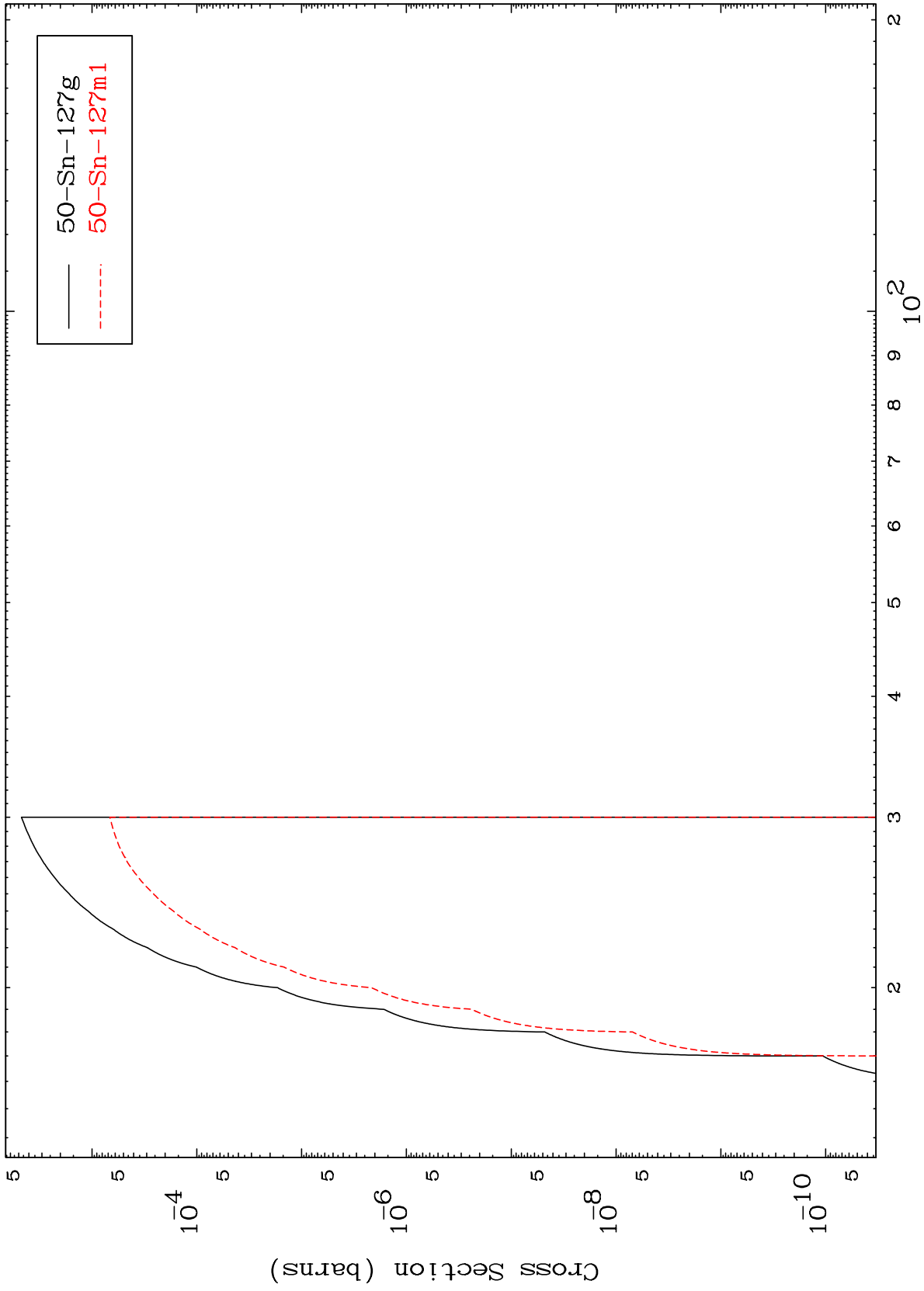
51-Sb-130

MAT 5152

(n,n') t

51-Sb-130

Radionuclide Production Cross Section

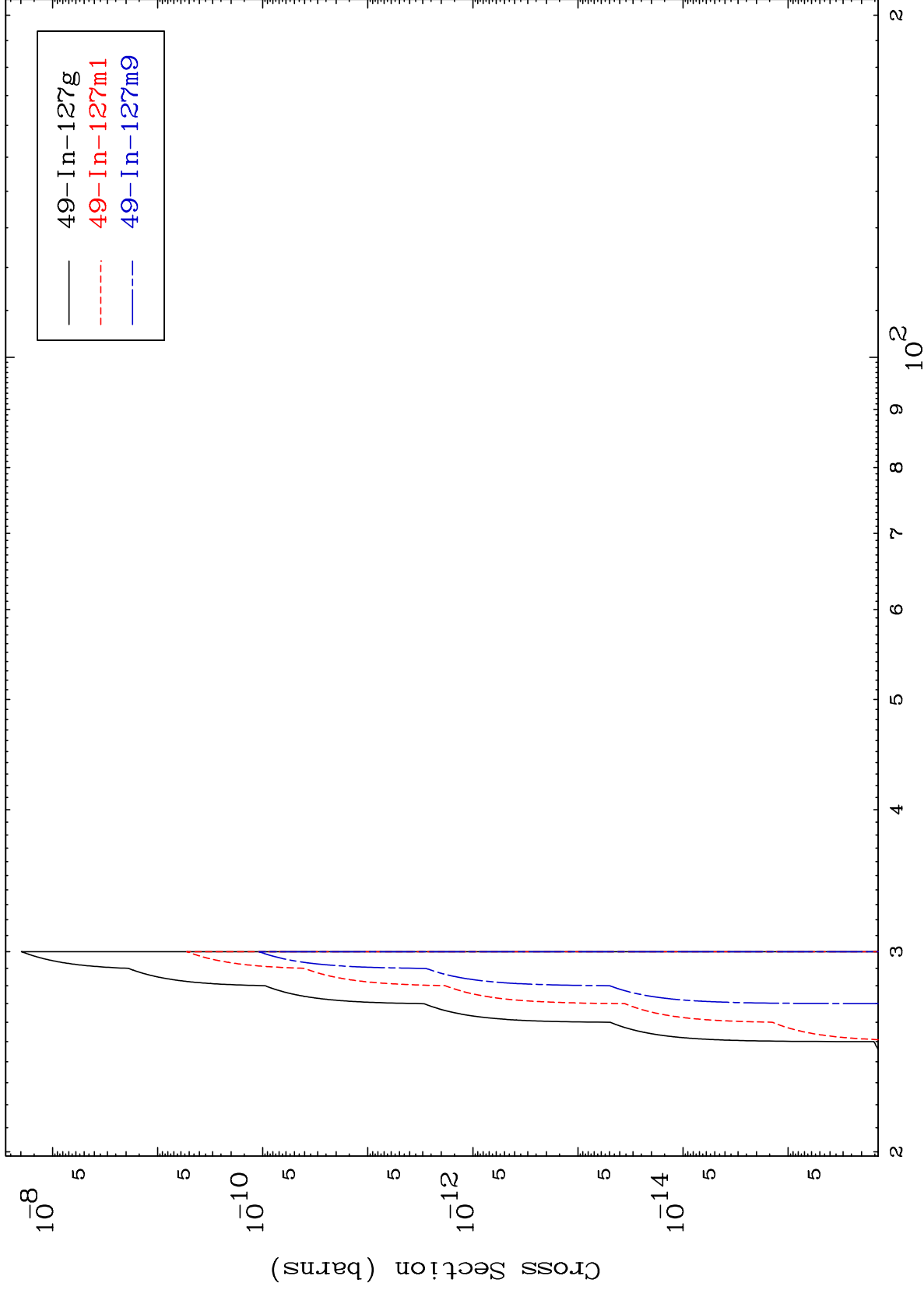


121

Incident Energy (MeV)

51-Sb-130

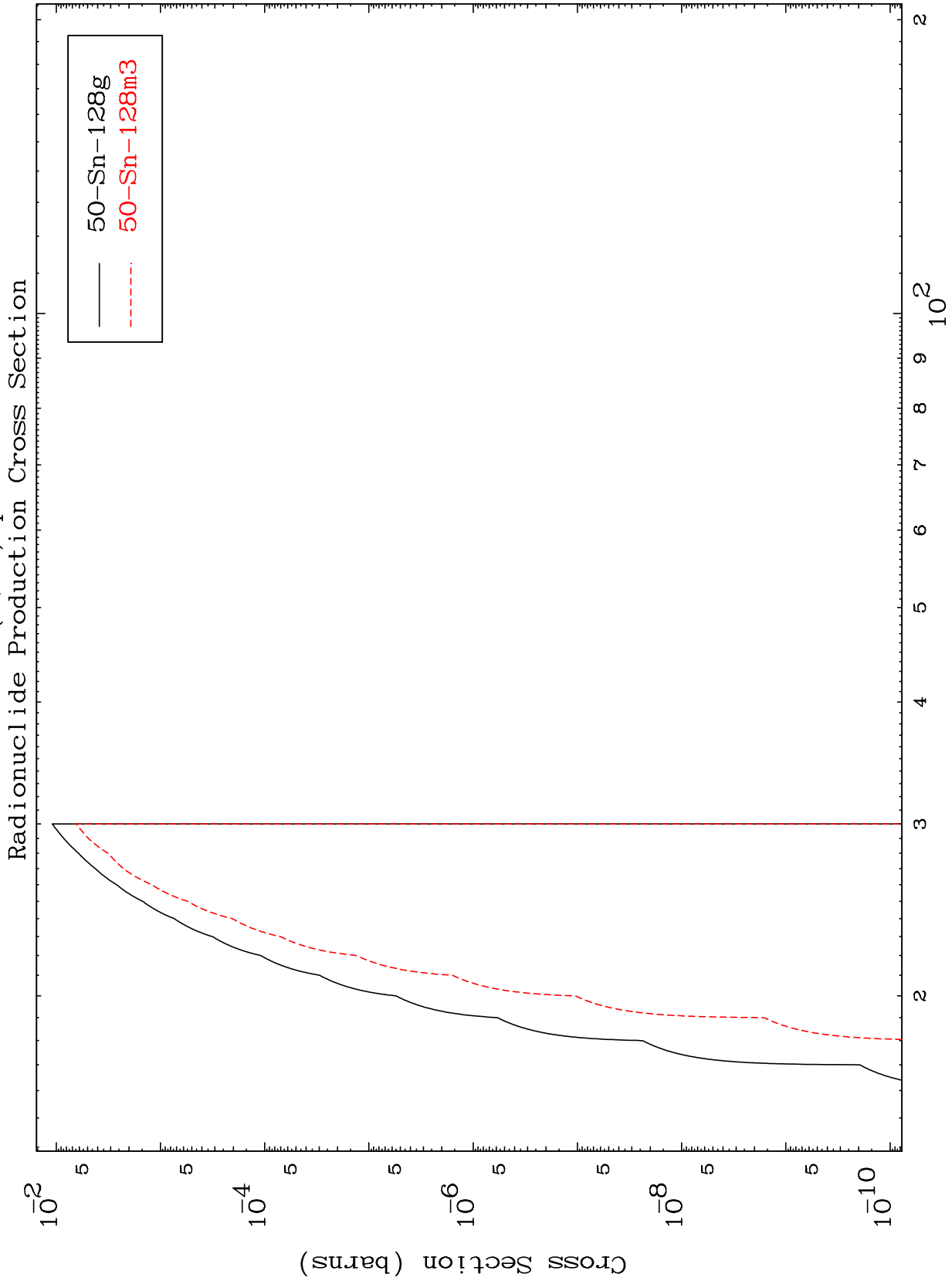
Radionuclide Production Cross Section



MAT 5152

(n,2n) p

51-Sb-130



123

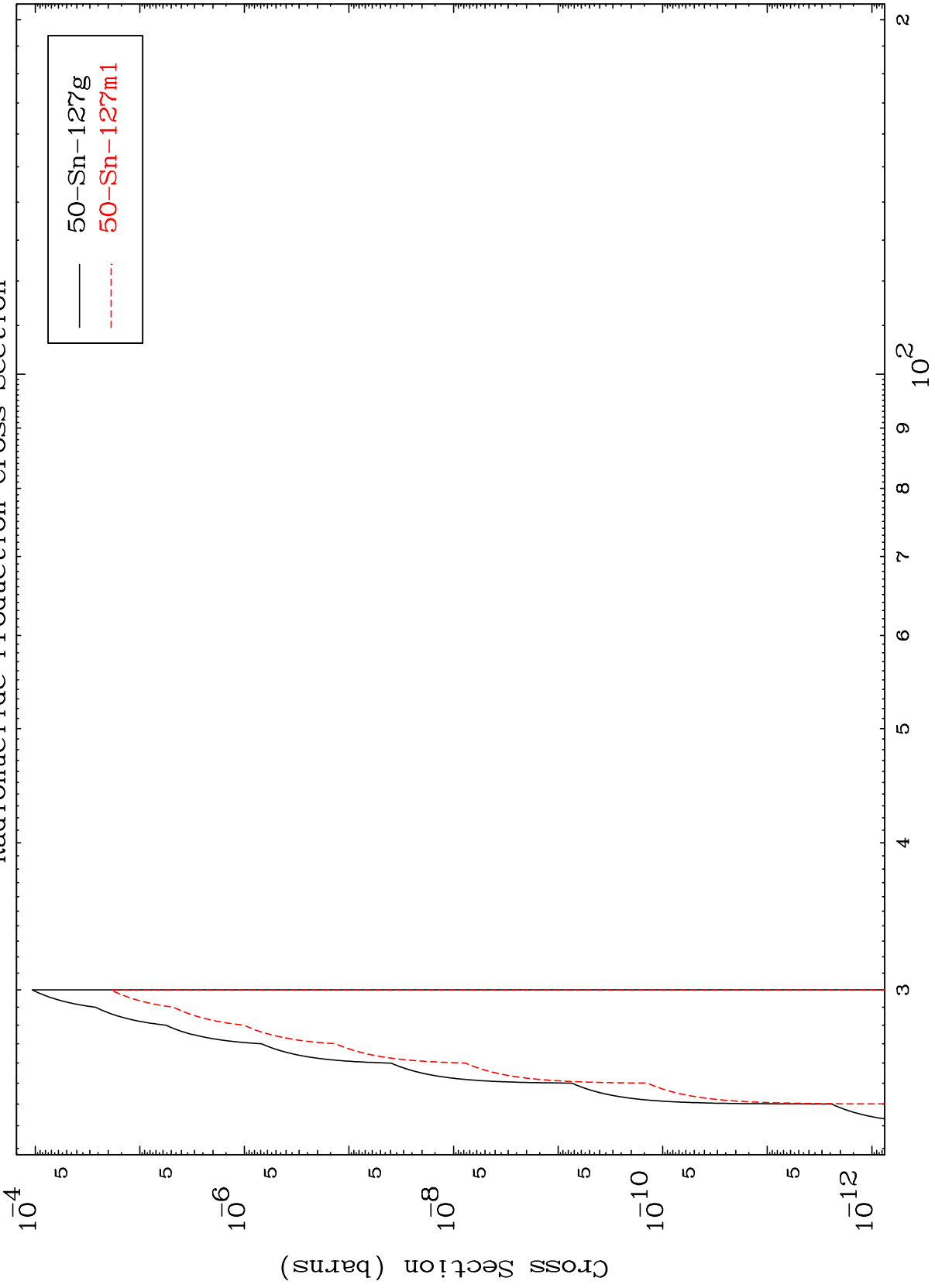
51-Sb-130

MAT 5152

(n,3n) p

51-Sb-130

Radionuclide Production Cross Section



124

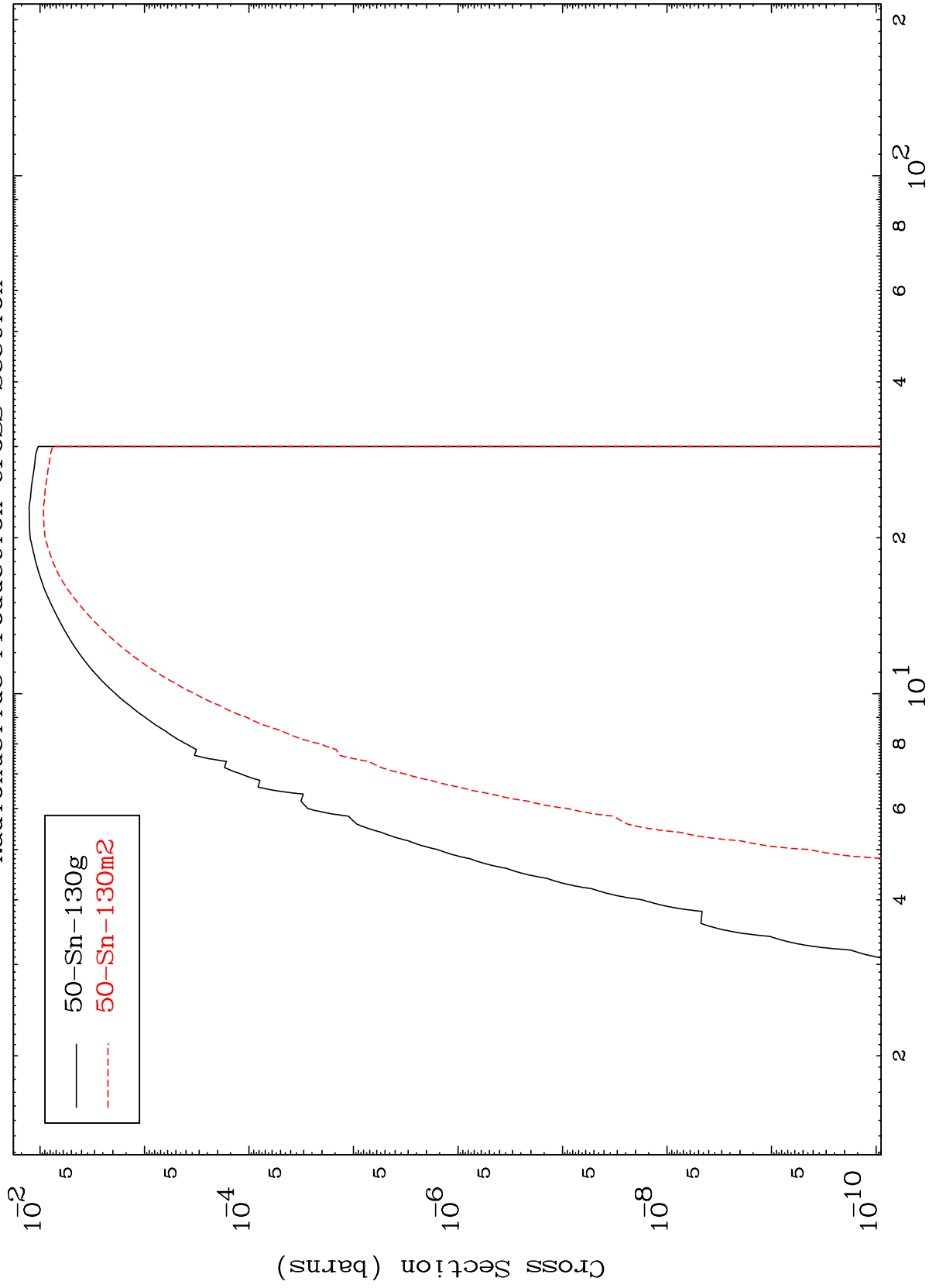
Incident Energy (MeV)

51-Sb-130

MAT 5152

51-Sb-130

Radionuclide Production Cross Section (n,p)



125

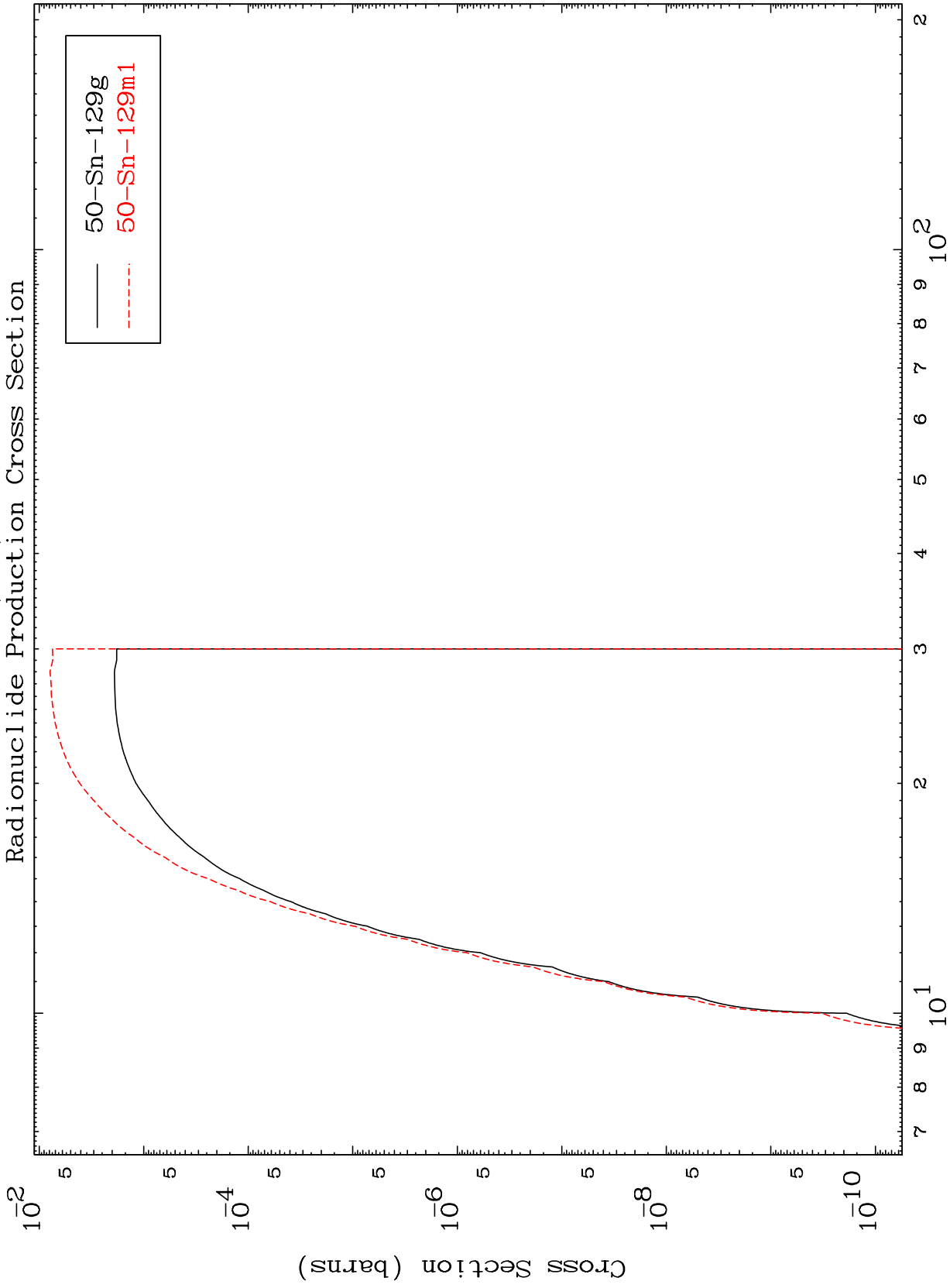
Incident Energy (MeV)

51-Sb-130

MAT 5152

51-Sb-130

(n,d)  
Radionuclide Production Cross Section



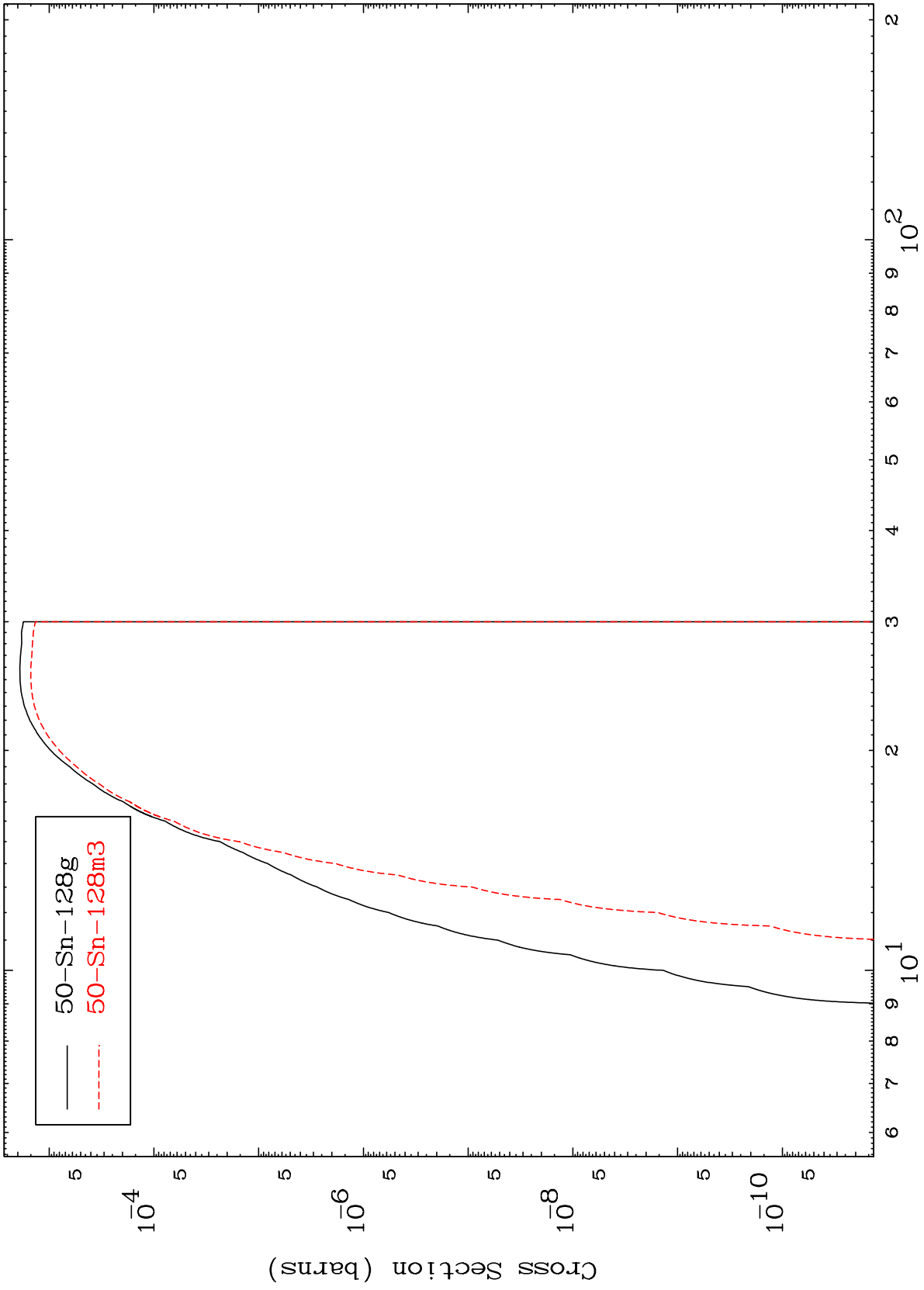
126

51-Sb-130

MAT 5152

51-Sb-130

Radionuclide Production Cross Section  
(n, t)



127

Incident Energy (MeV)

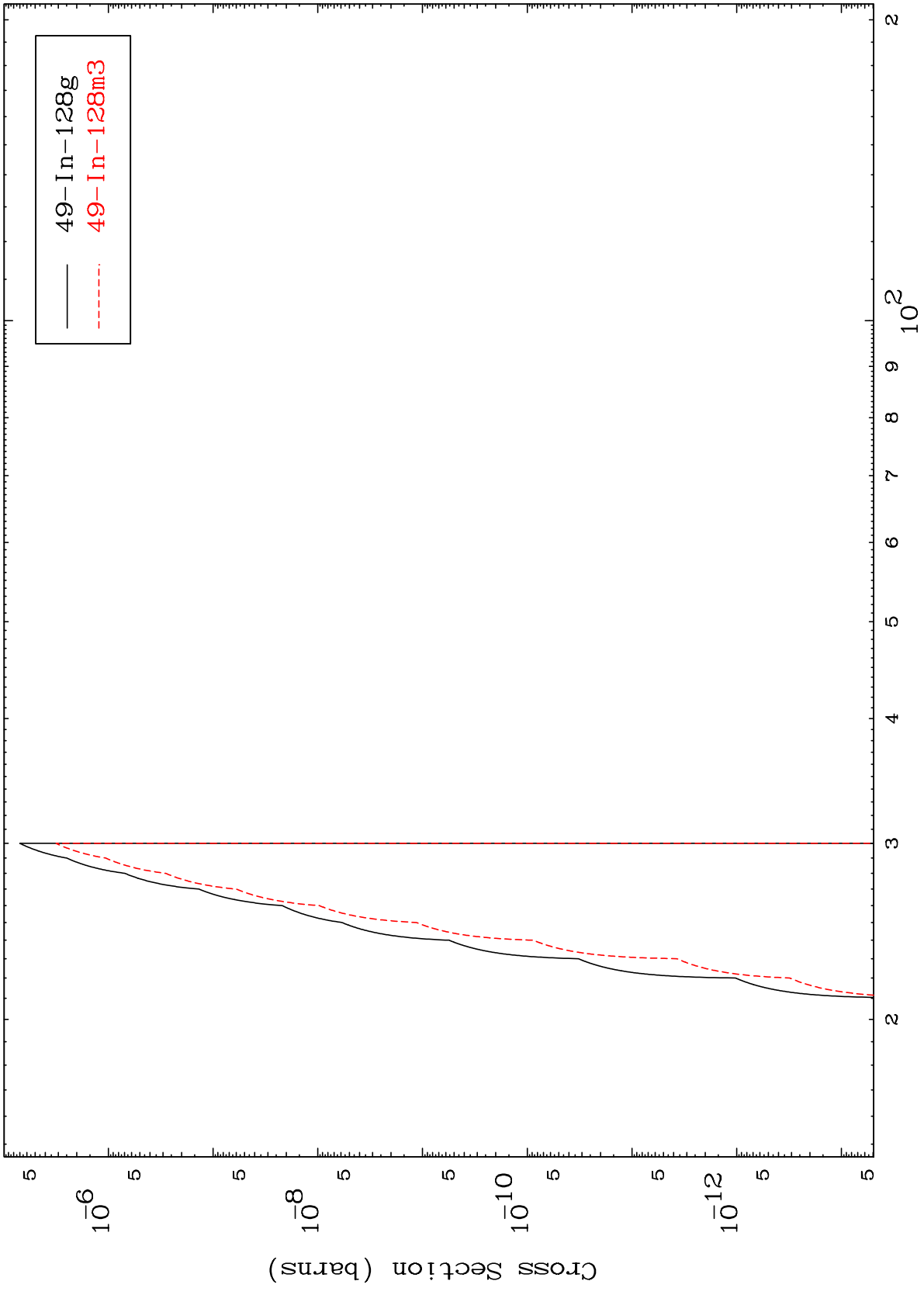
51-Sb-130

MAT 5152

(n, He-3)

51-Sb-130

Radionuclide Production Cross Section



128

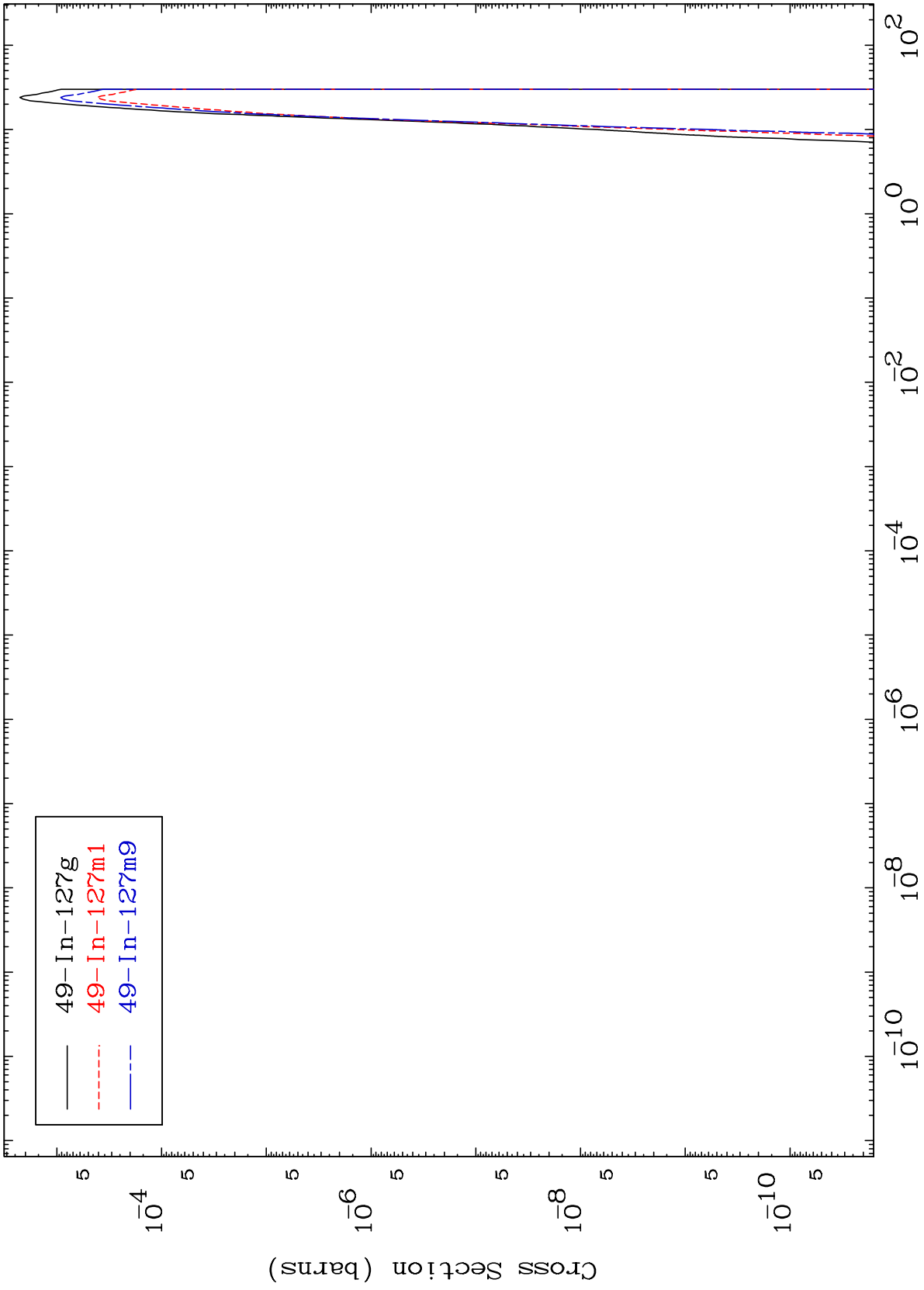
Incident Energy (MeV)

51-Sb-130

MAT 5152

(n,α)  
Radionuclide Production Cross Section

51-Sb-130



129

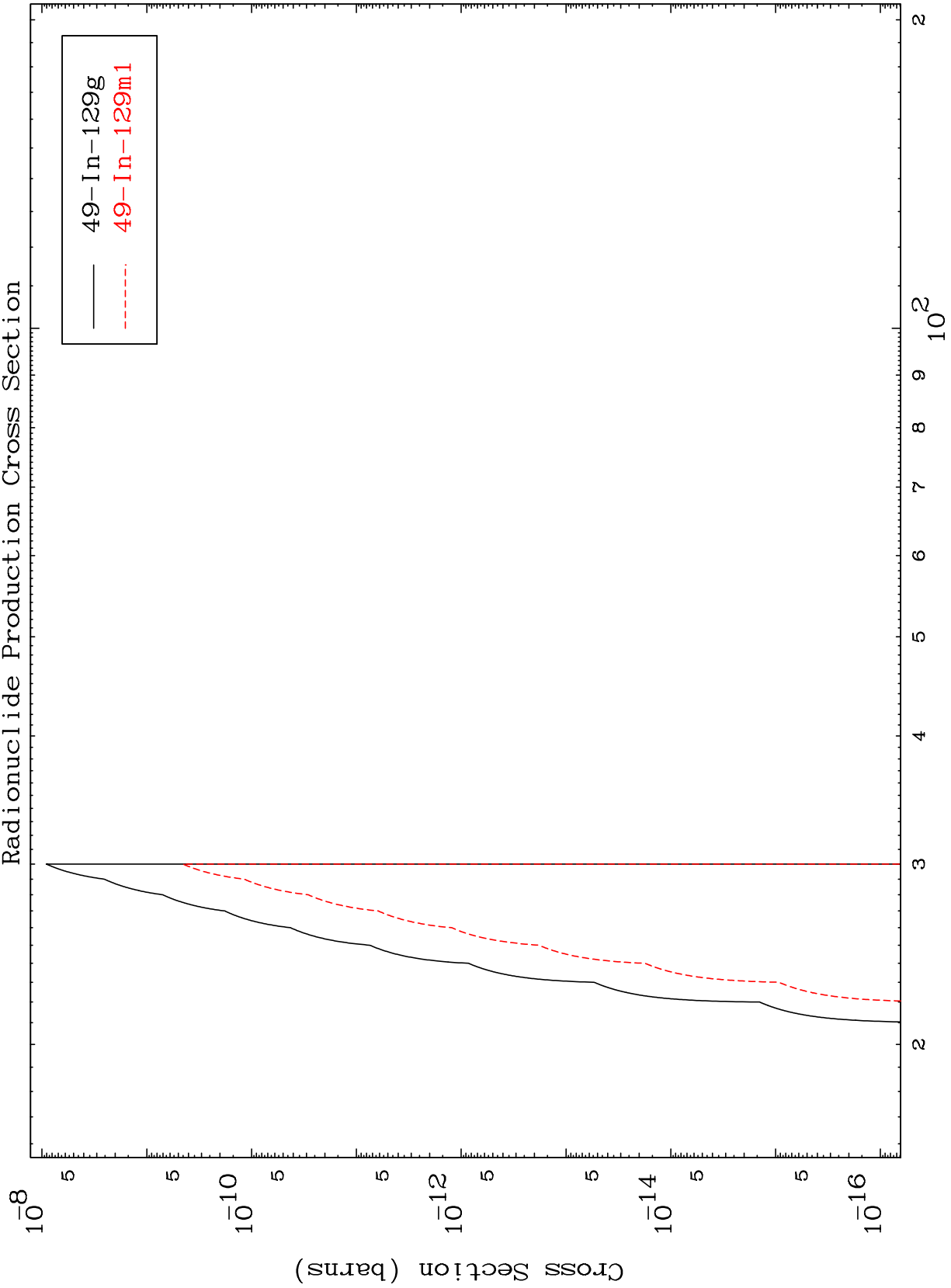
Incident Energy (MeV)

51-Sb-130

MAT 5152

51-Sb-130

(n,2p)  
Radionuclide Production Cross Section



130

Incident Energy (MeV)

51-Sb-130