

Program EVALPLOT  
(Version 2018-1)

by

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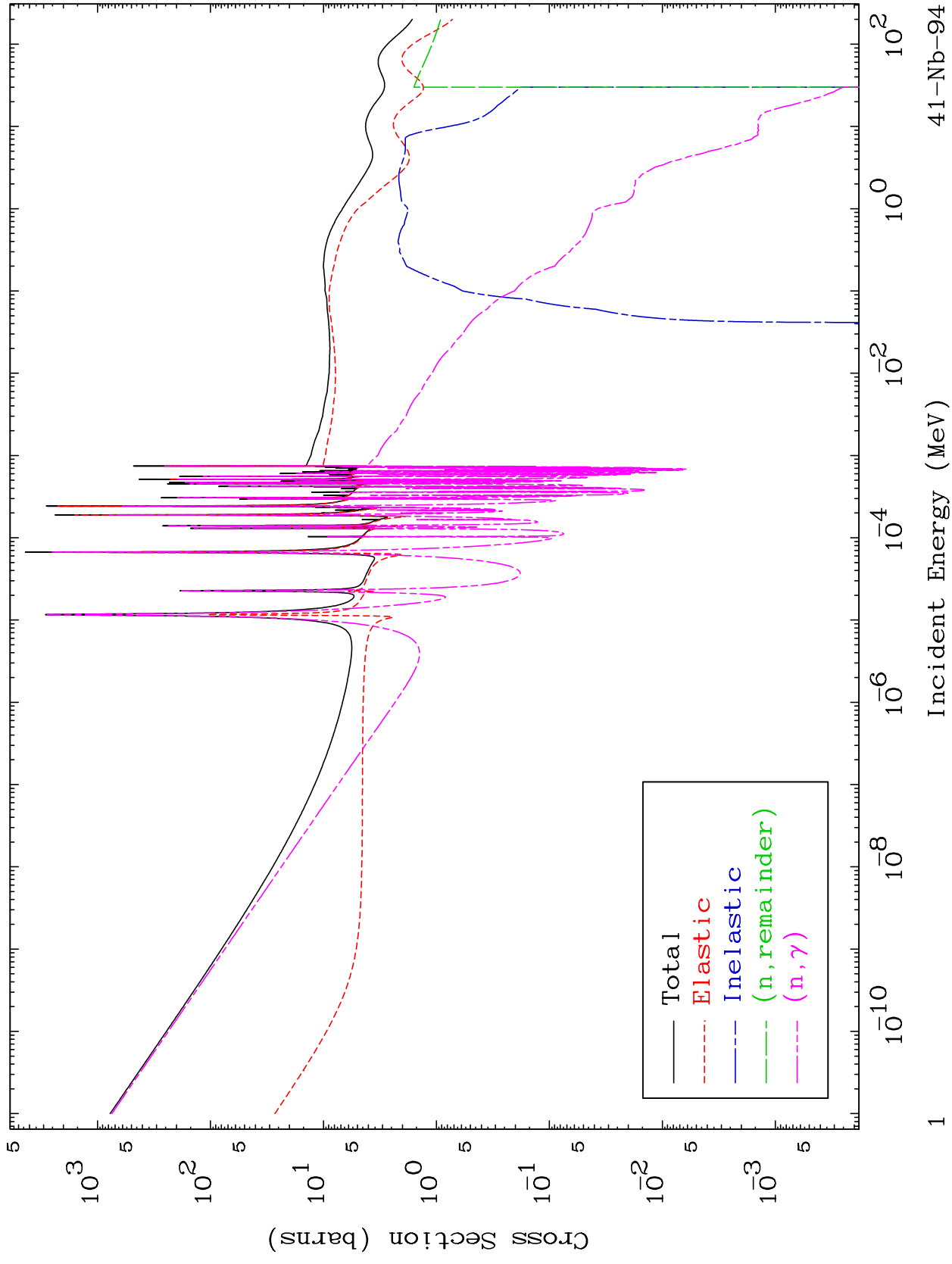
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Web:redcullen1.net/HOMEPAGE.NEW

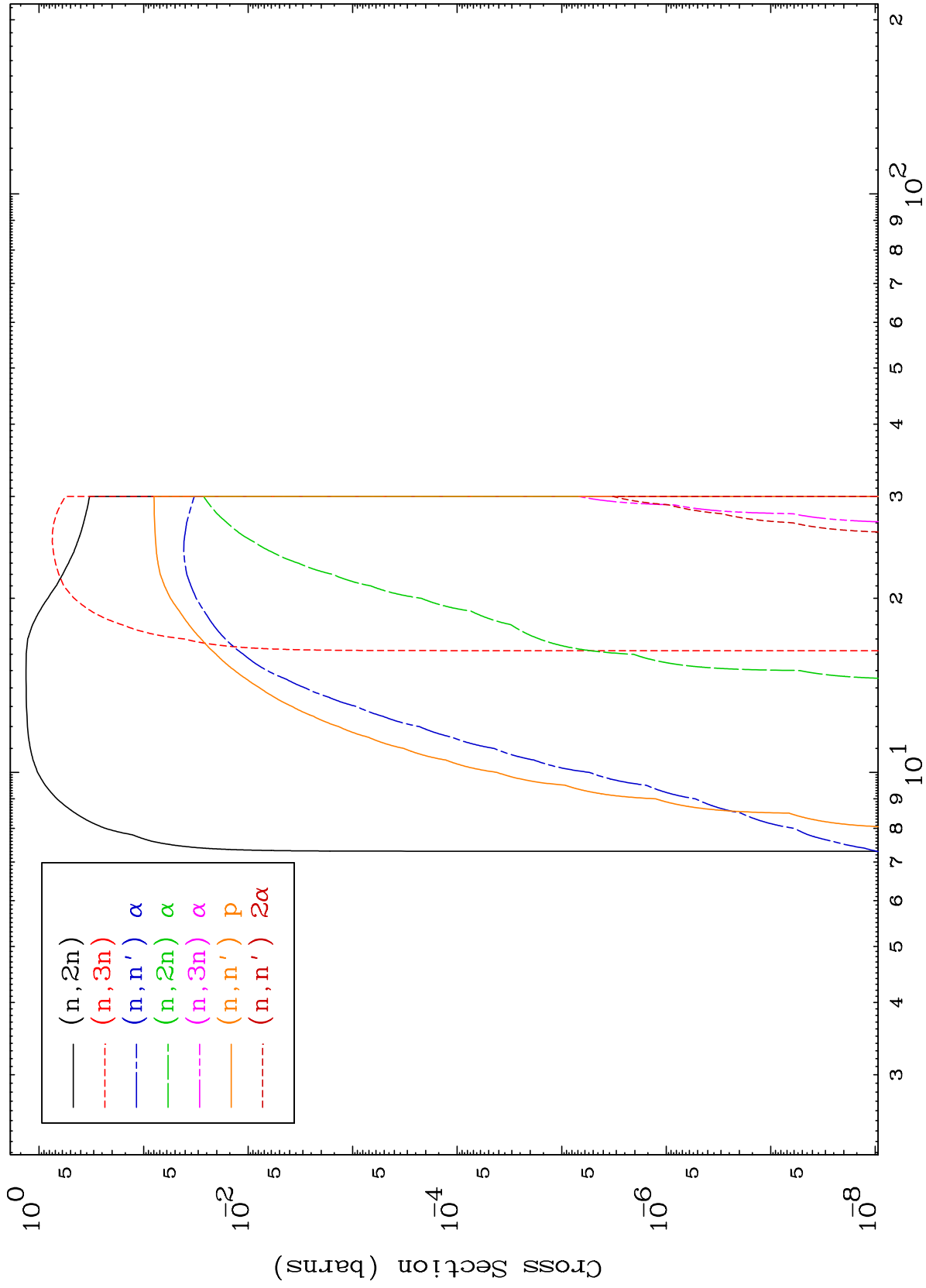
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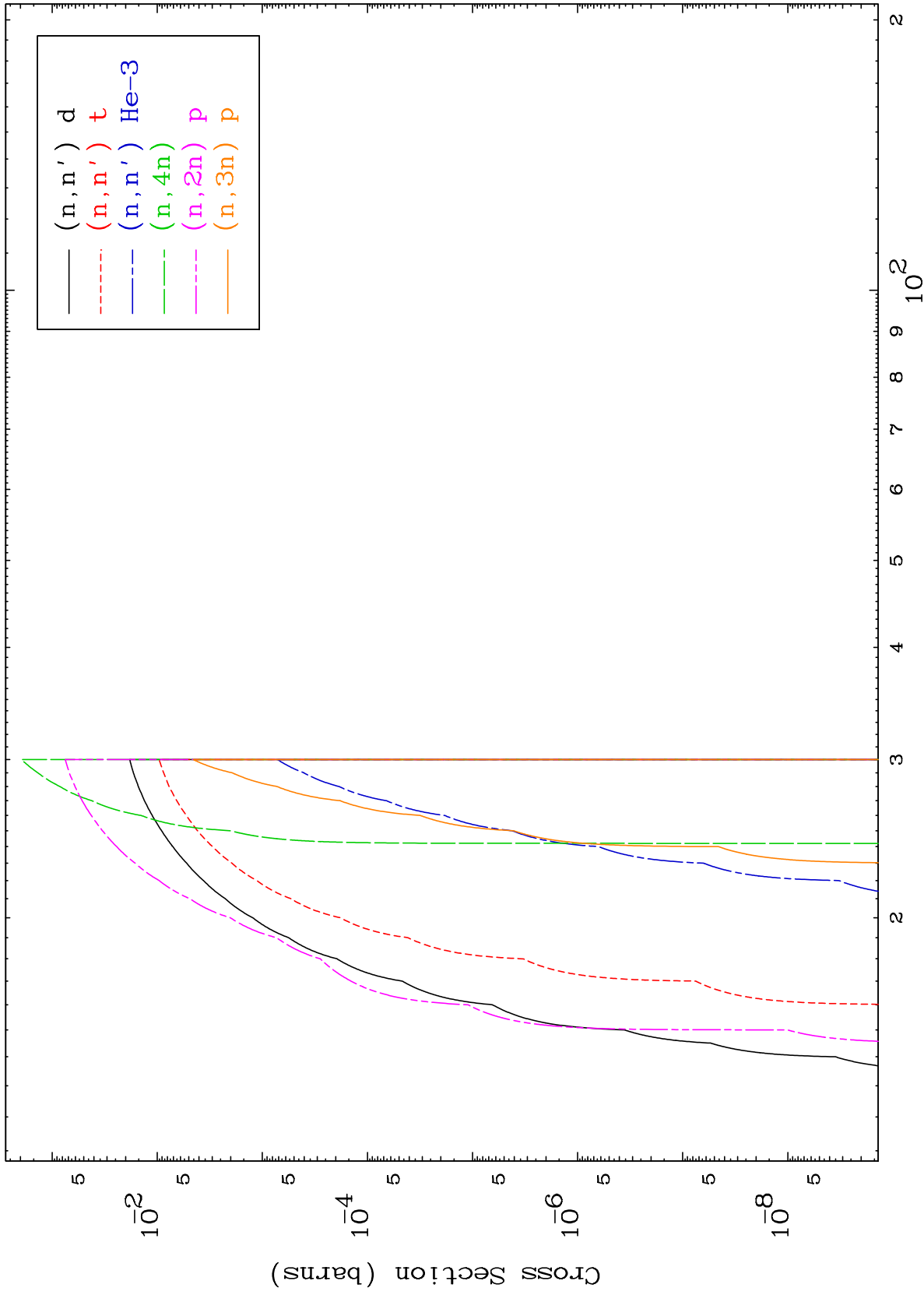
MAT 4128

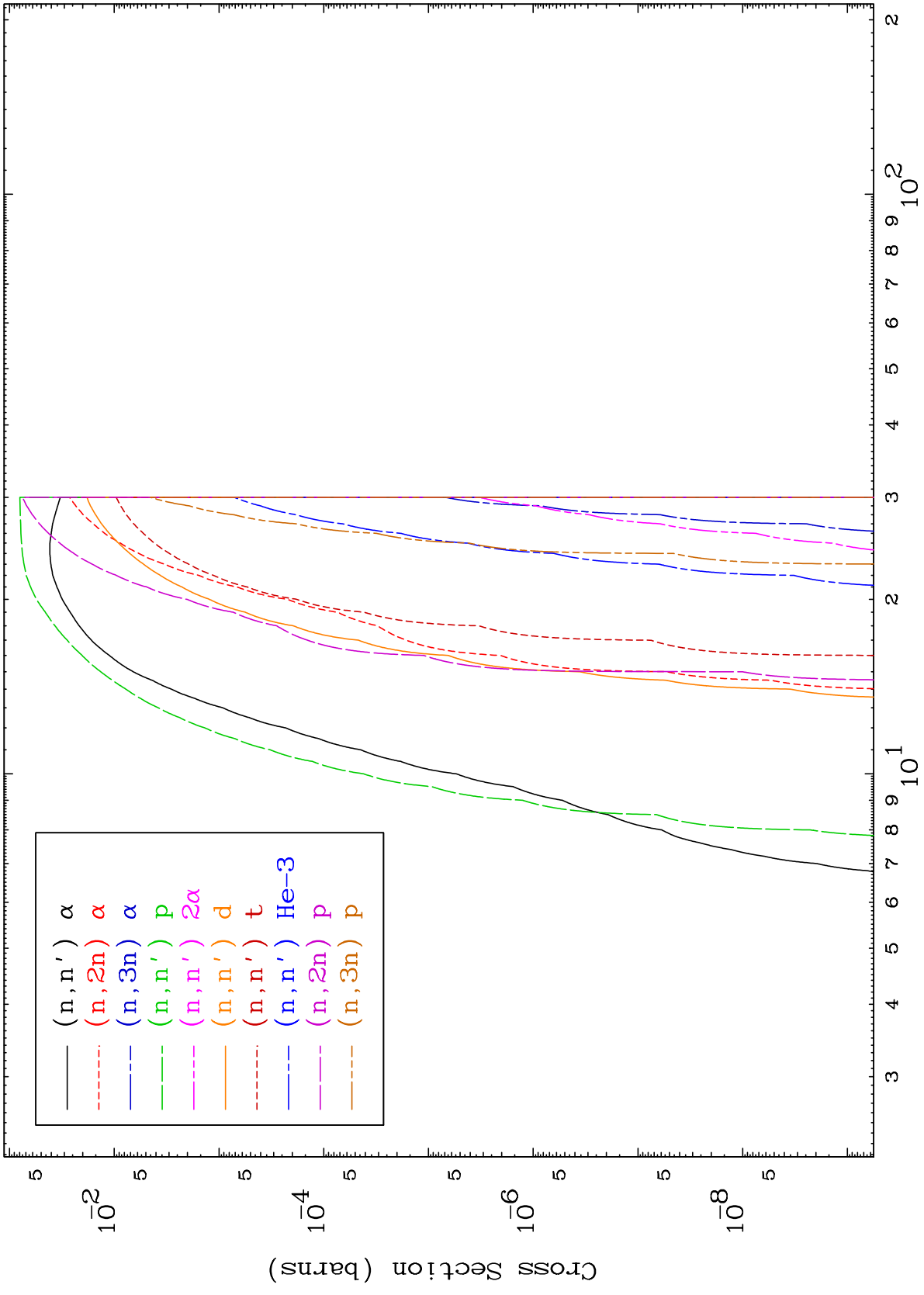
Major  
293 Kelvin Cross Sections

41-Nb-94





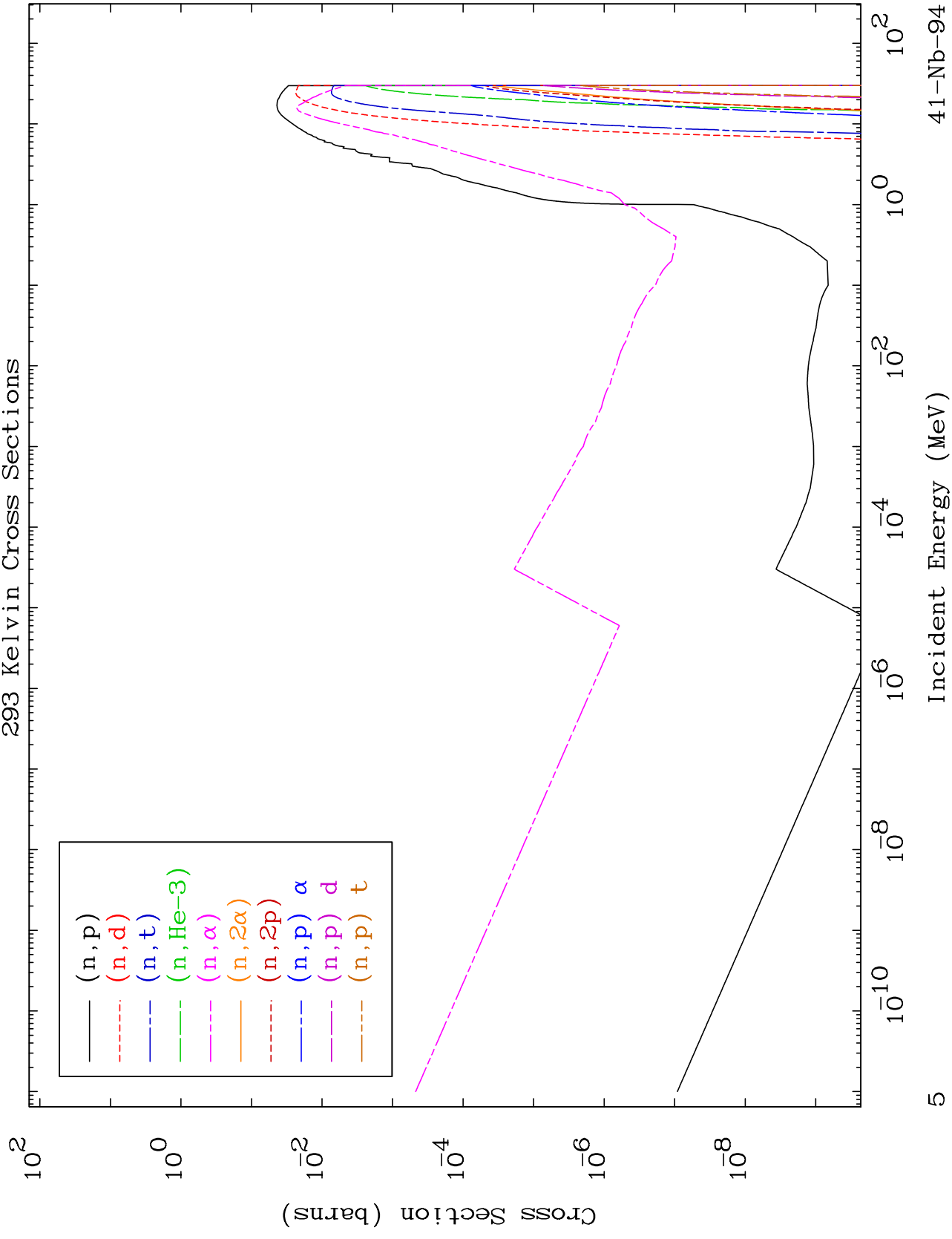




MAT 4128

Charged Particle  
293 Kelvin Cross Sections

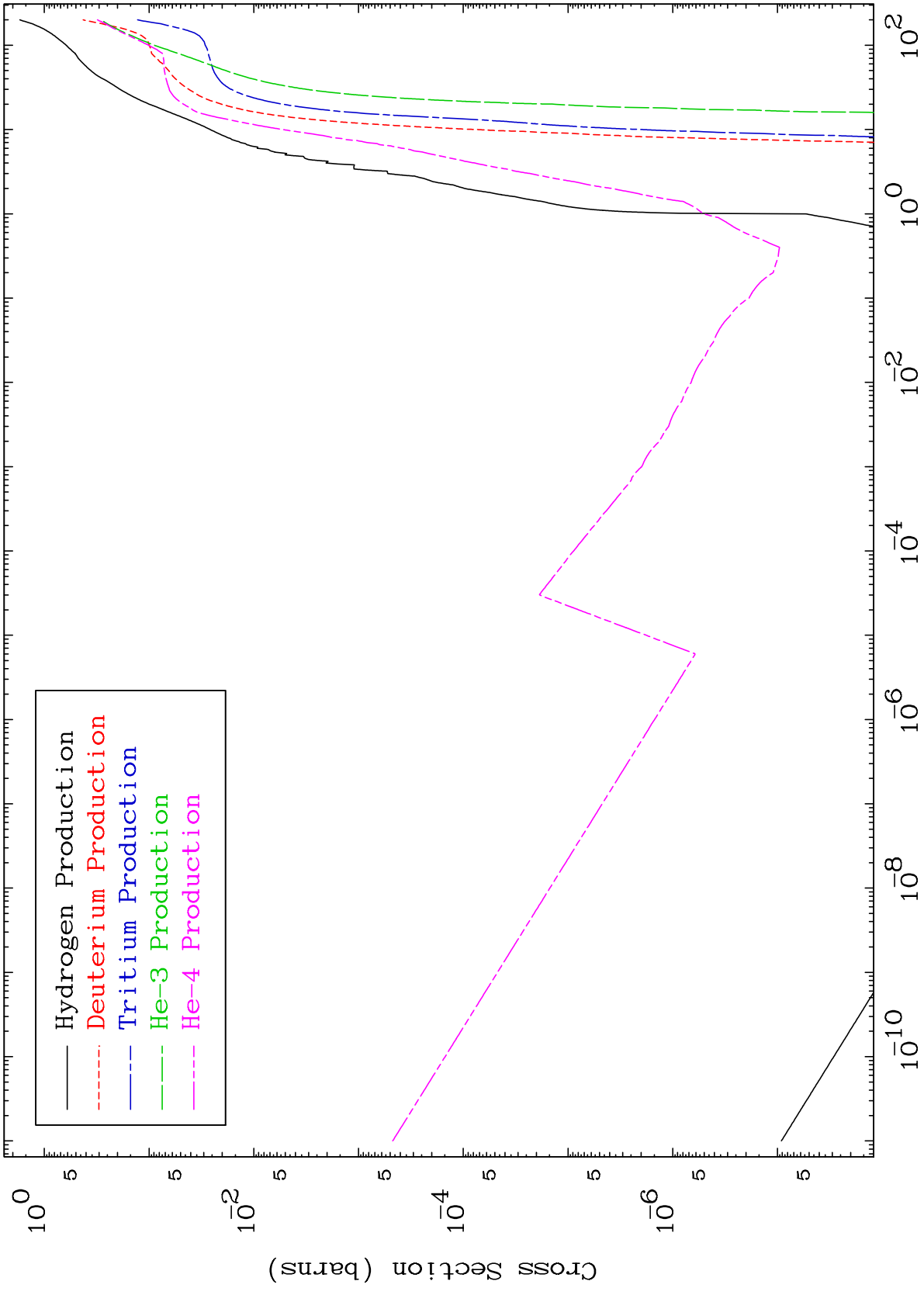
41-Nb-94



MAT 4128

Particle Production  
293 Kelvin Cross Sections

41-Nb-94



6

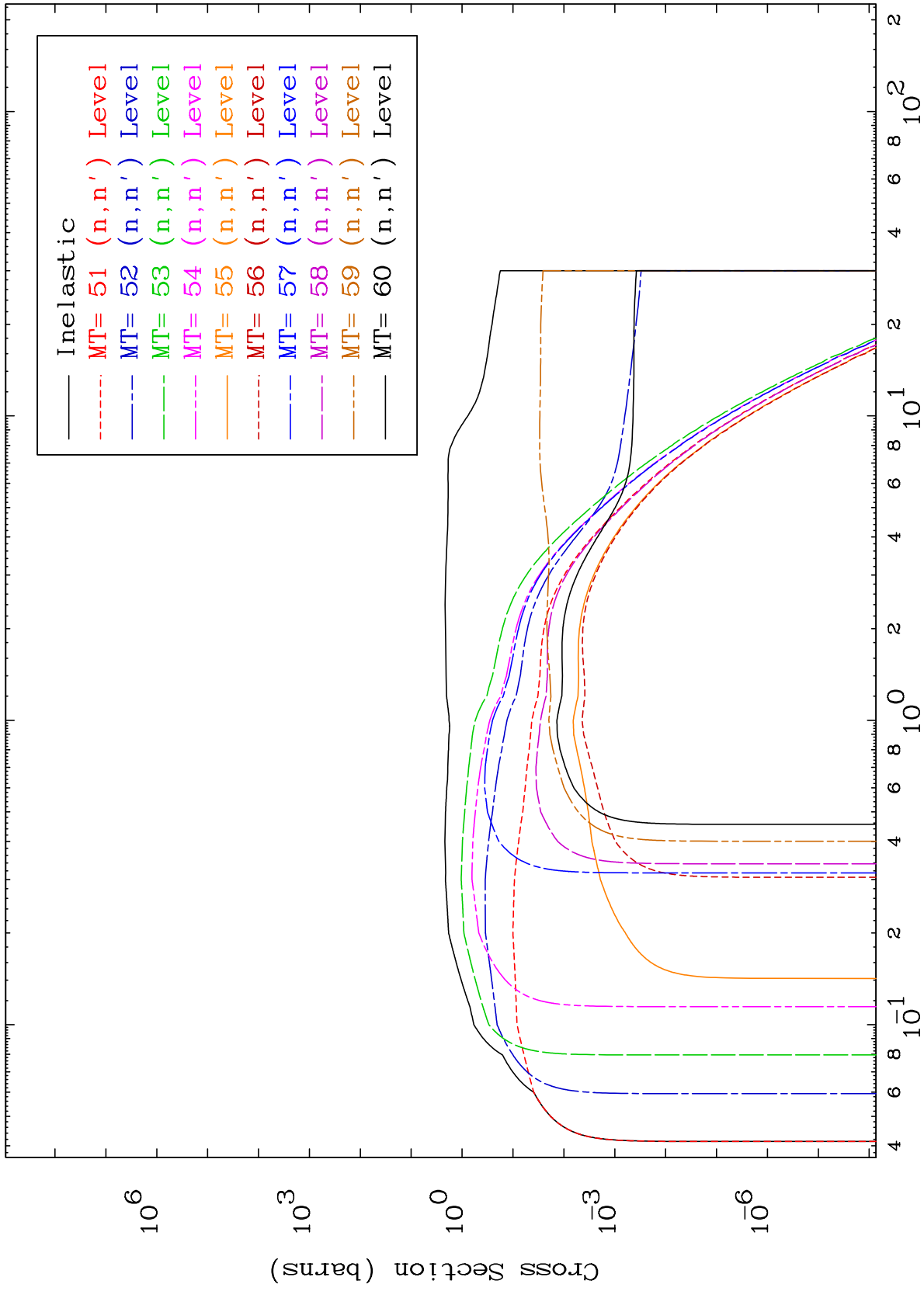
41-Nb-94

MAT 4128

(n,n') Level

41-Nb-94

293 Kelvin Cross Sections



7

Incident Energy (MeV)

41-Nb-94

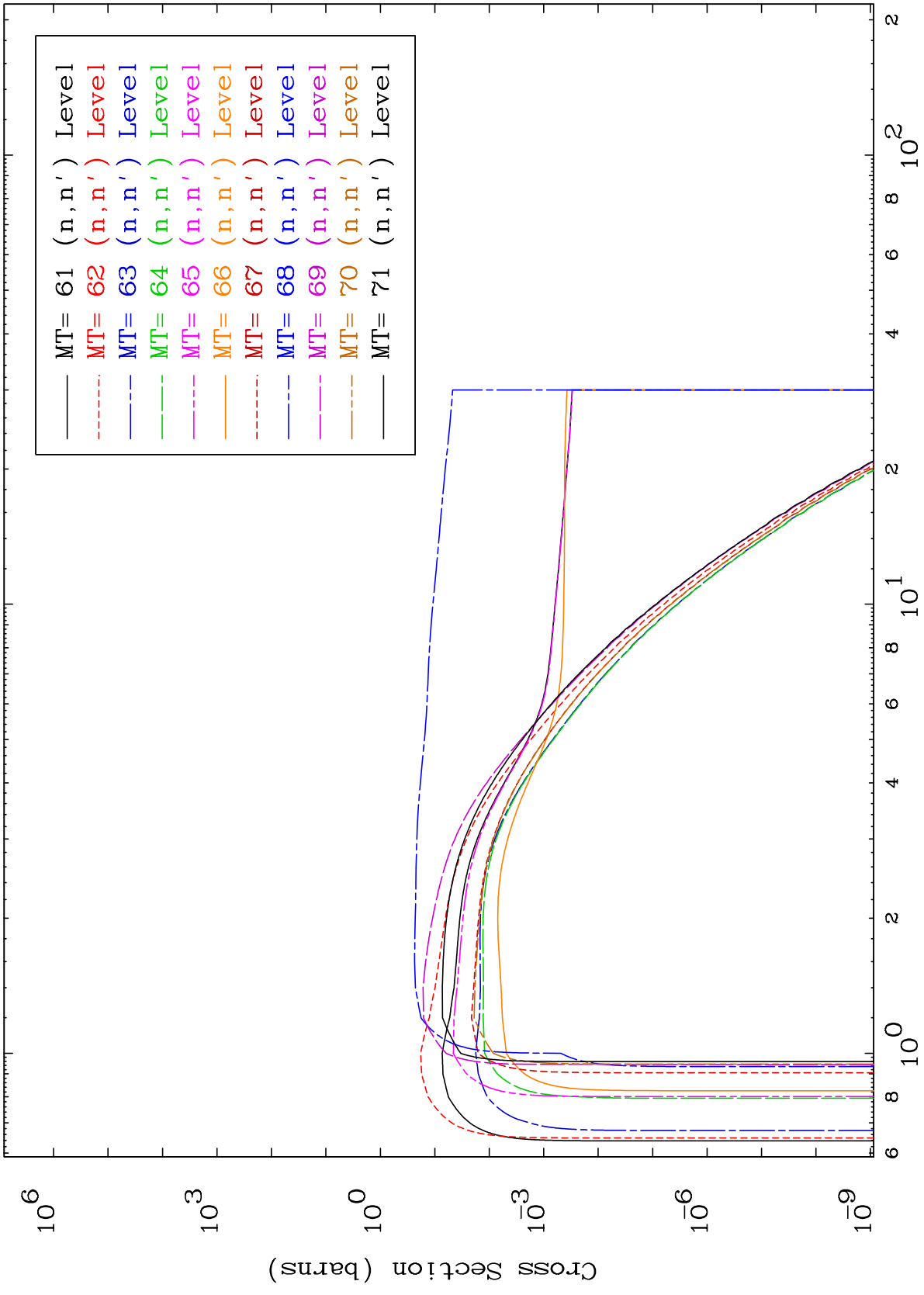


MAT 4128

(n,n') Level

41-Nb-94

293 Kelvin Cross Sections



8

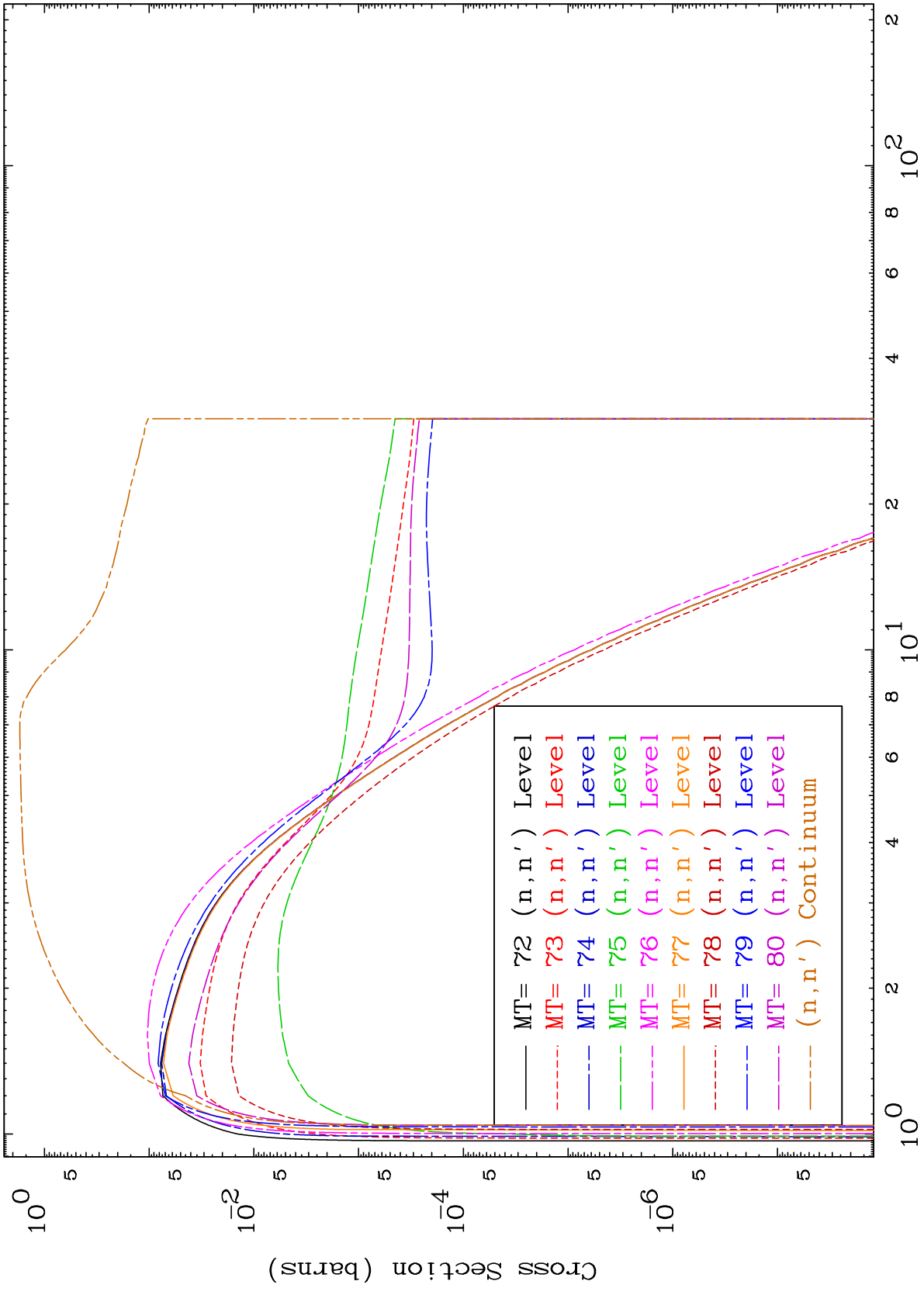
Incident Energy (MeV)

41-Nb-94

MAT 4128

(n,n') Level  
293 Kelvin Cross Sections

41-Nb-94



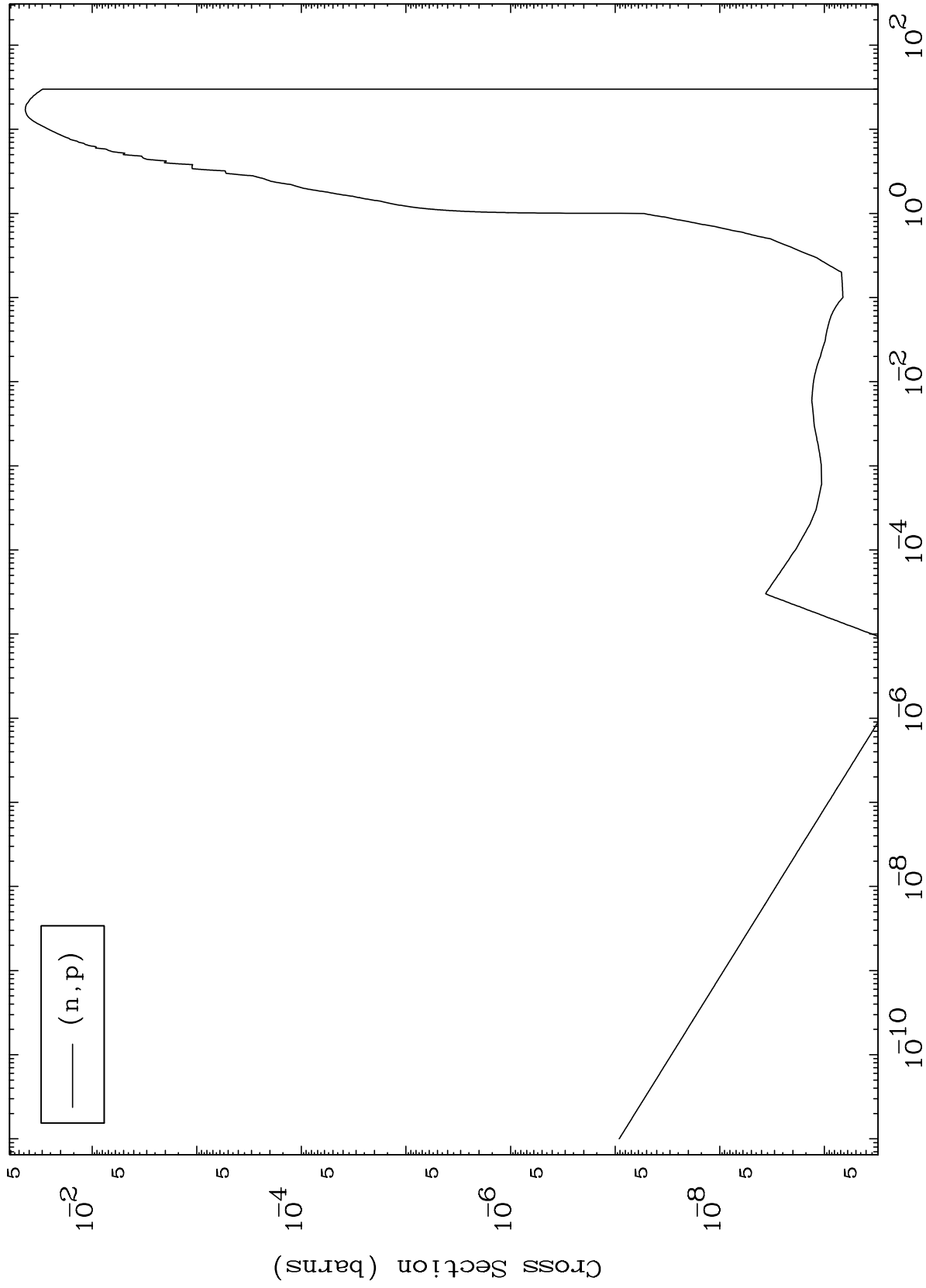
Incident Energy (MeV)

41-Nb-94

MAT 4128

(n,p) Levels  
293 Kelvin Cross Sections

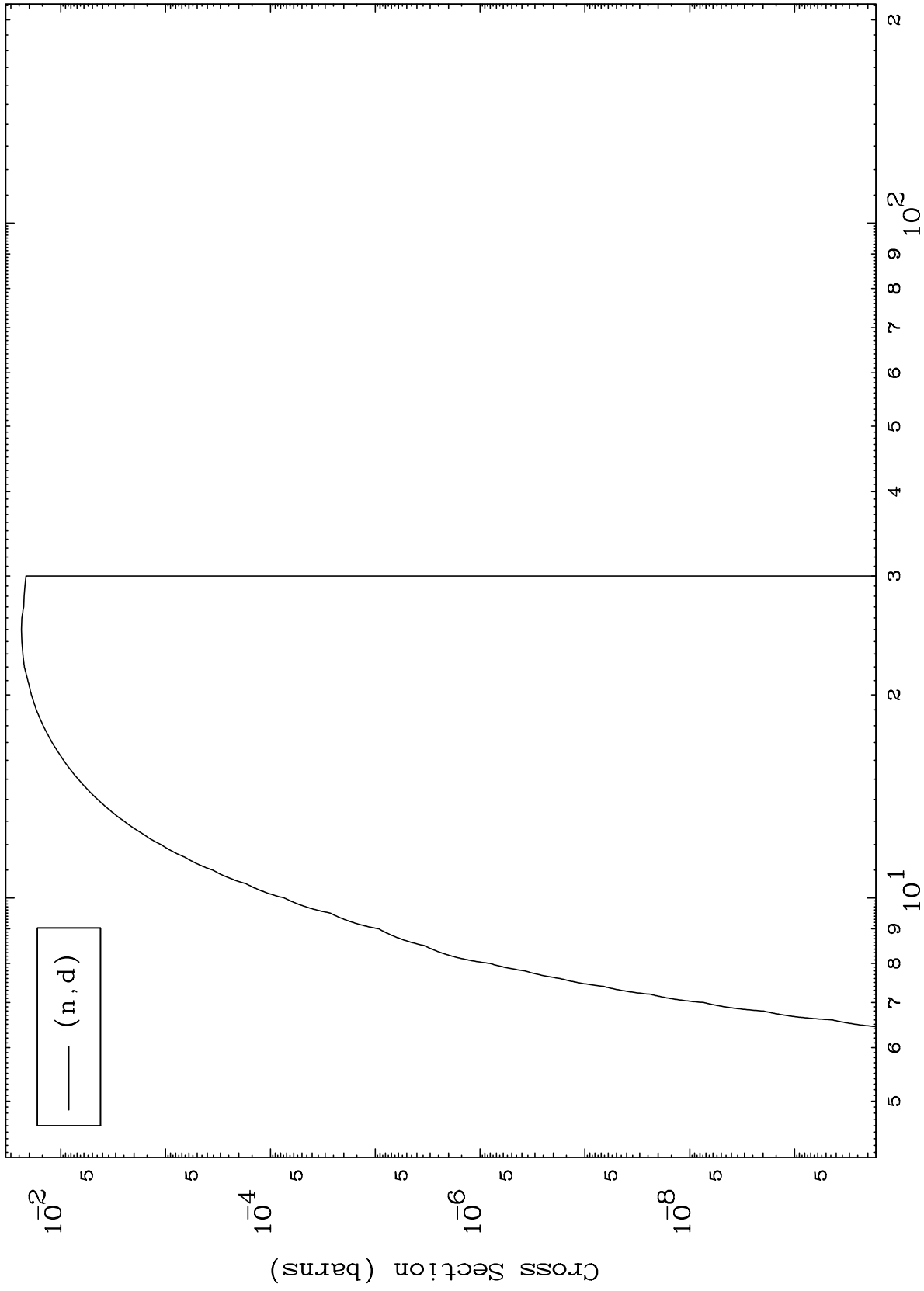
41-Nb-94



10

Incident Energy (MeV)

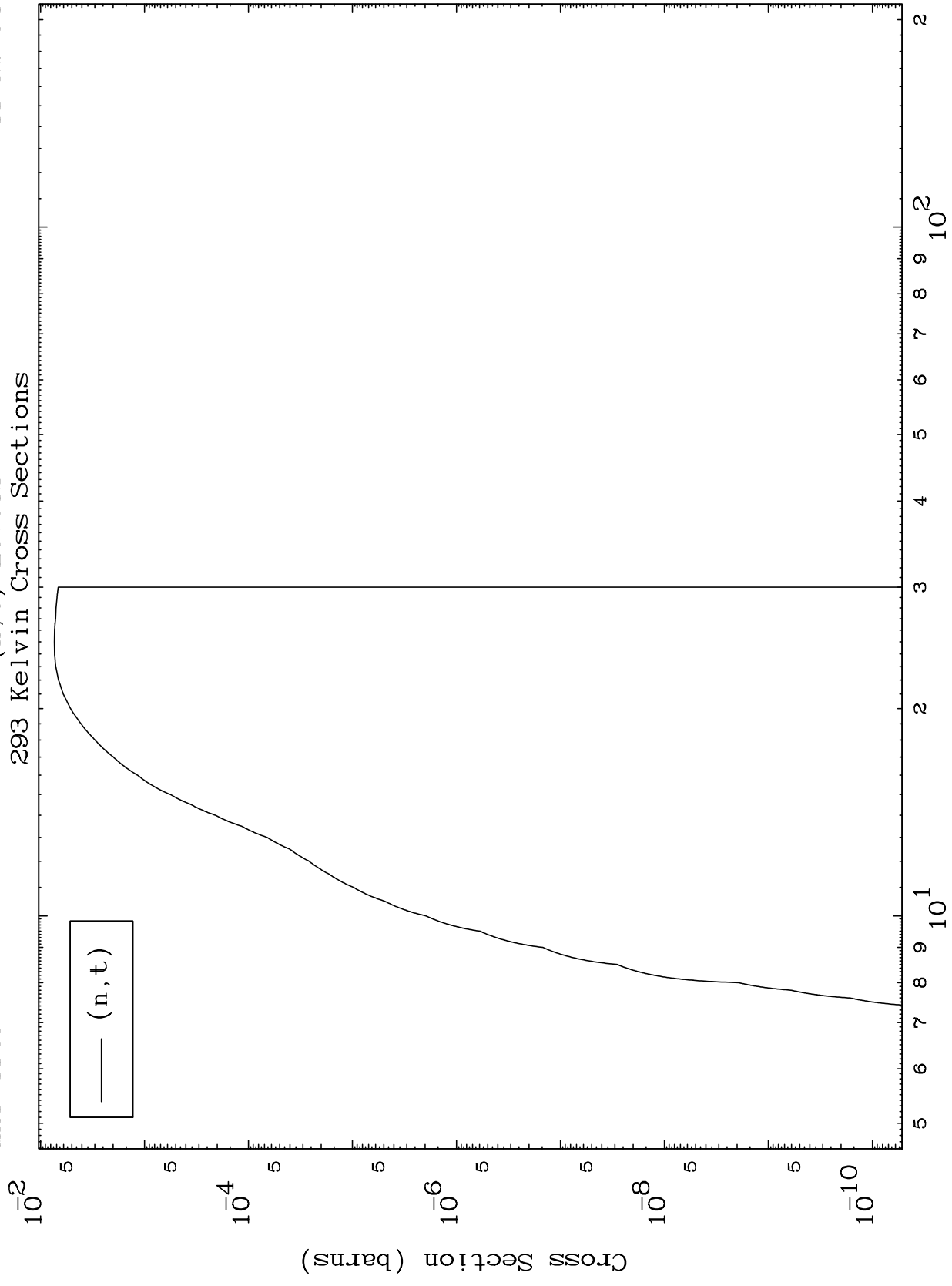
41-Nb-94



MAT 4128

(n,t) Levels  
293 Kelvin Cross Sections

41-Nb-94



(n,t)

12

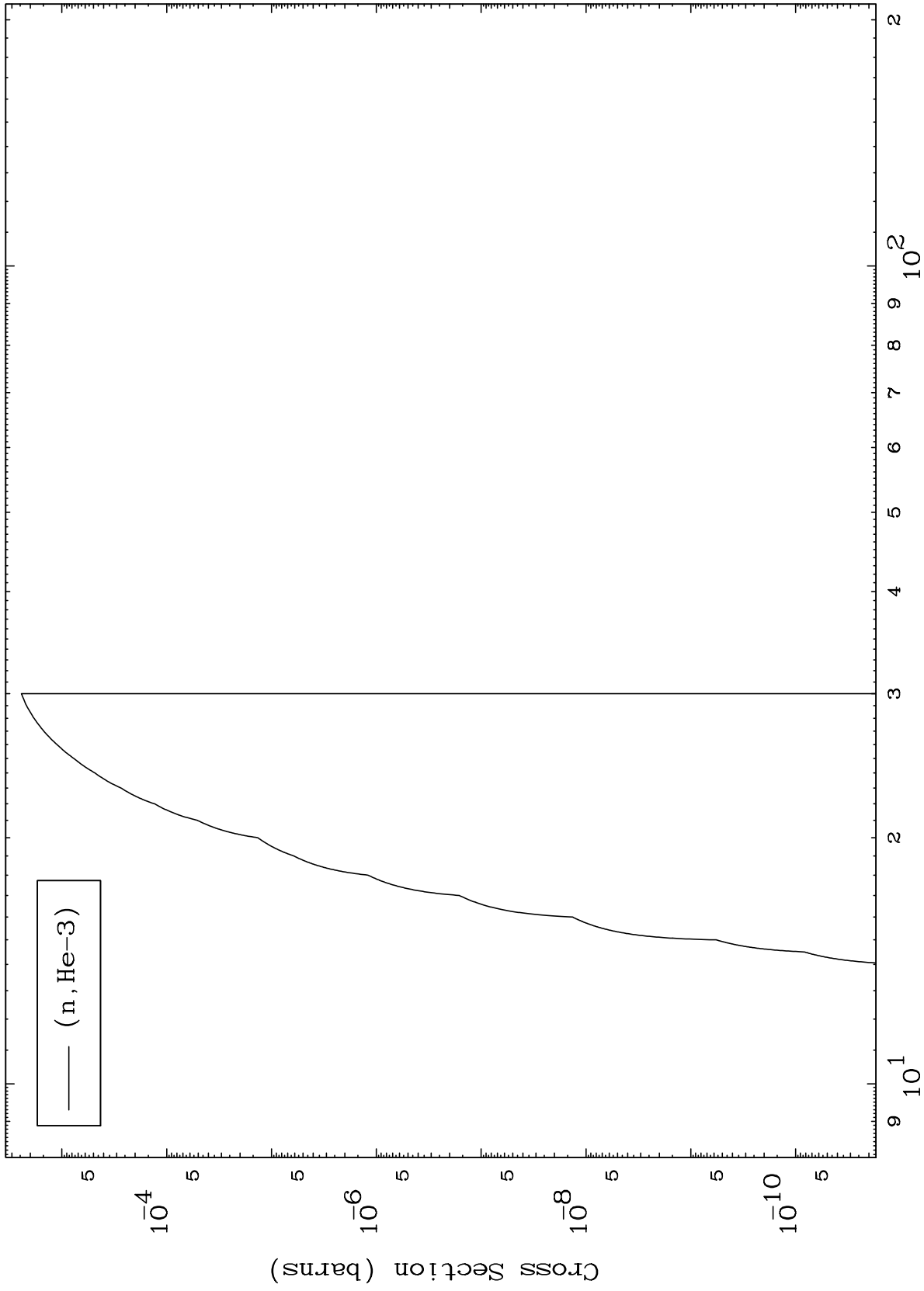
Incident Energy (MeV)

41-Nb-94

MAT 4128

(n,He3) Levels  
293 Kelvin Cross Sections

41-Nb-94



13

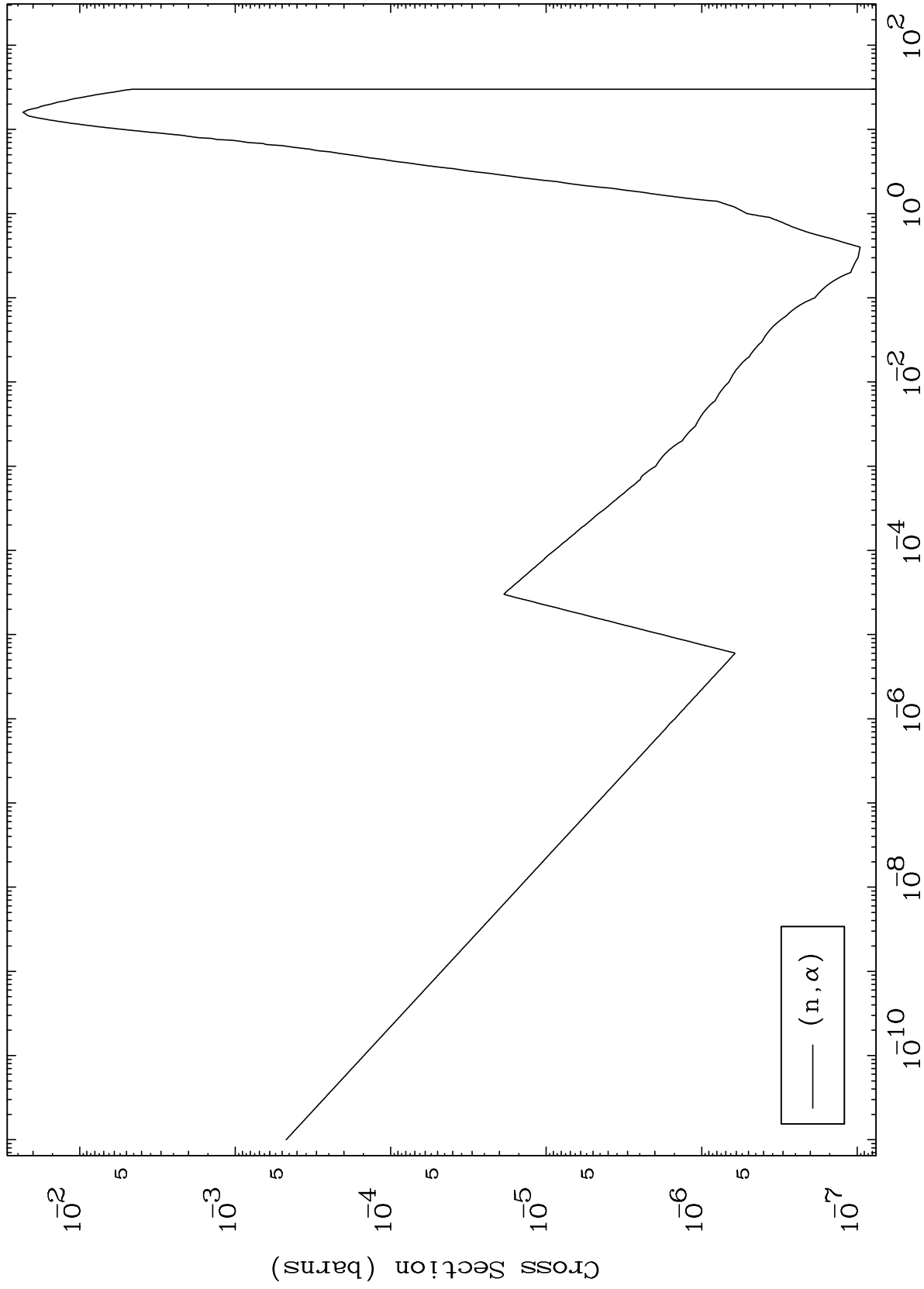
Incident Energy (MeV)

41-Nb-94

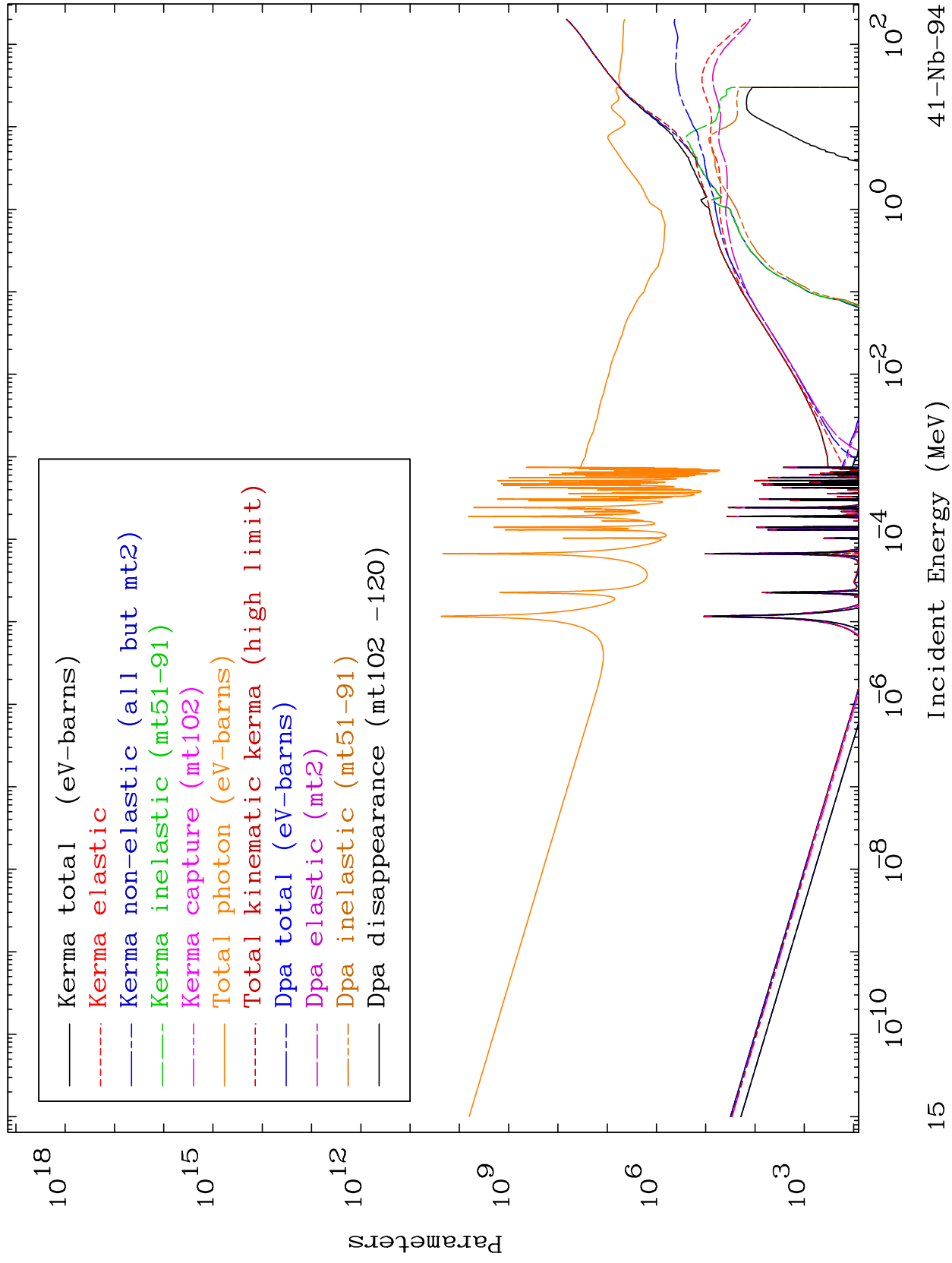
MAT 4128

(n,α) Levels  
293 Kelvin Cross Sections

41-Nb-94



— (n,α)

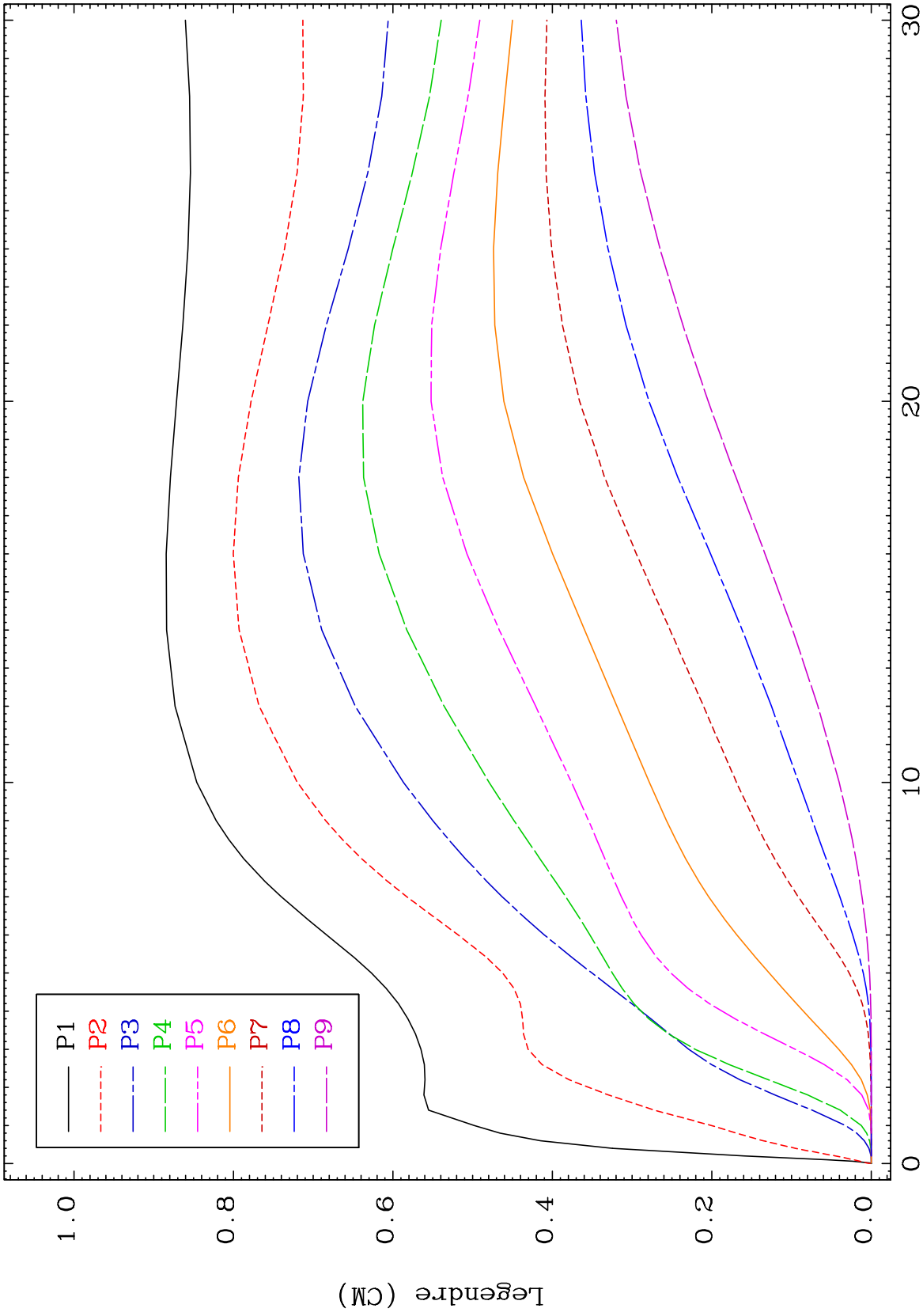




MAT 4128

Elastic Legendre Coefficients

41-Nb-94



16

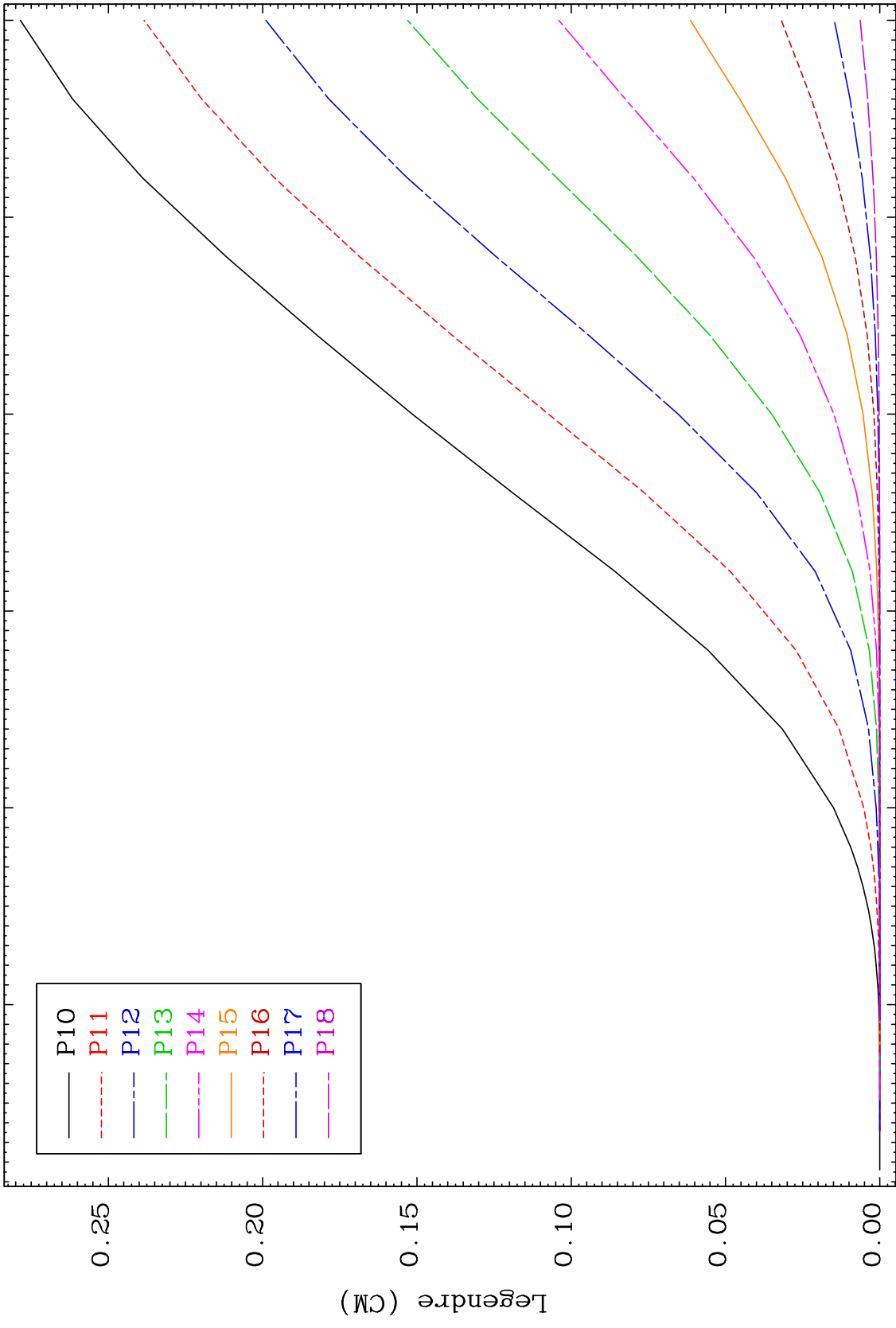
Incident Energy (MeV)

41-Nb-94

MAT 4128

Elastic Legendre Coefficients

41-Nb-94



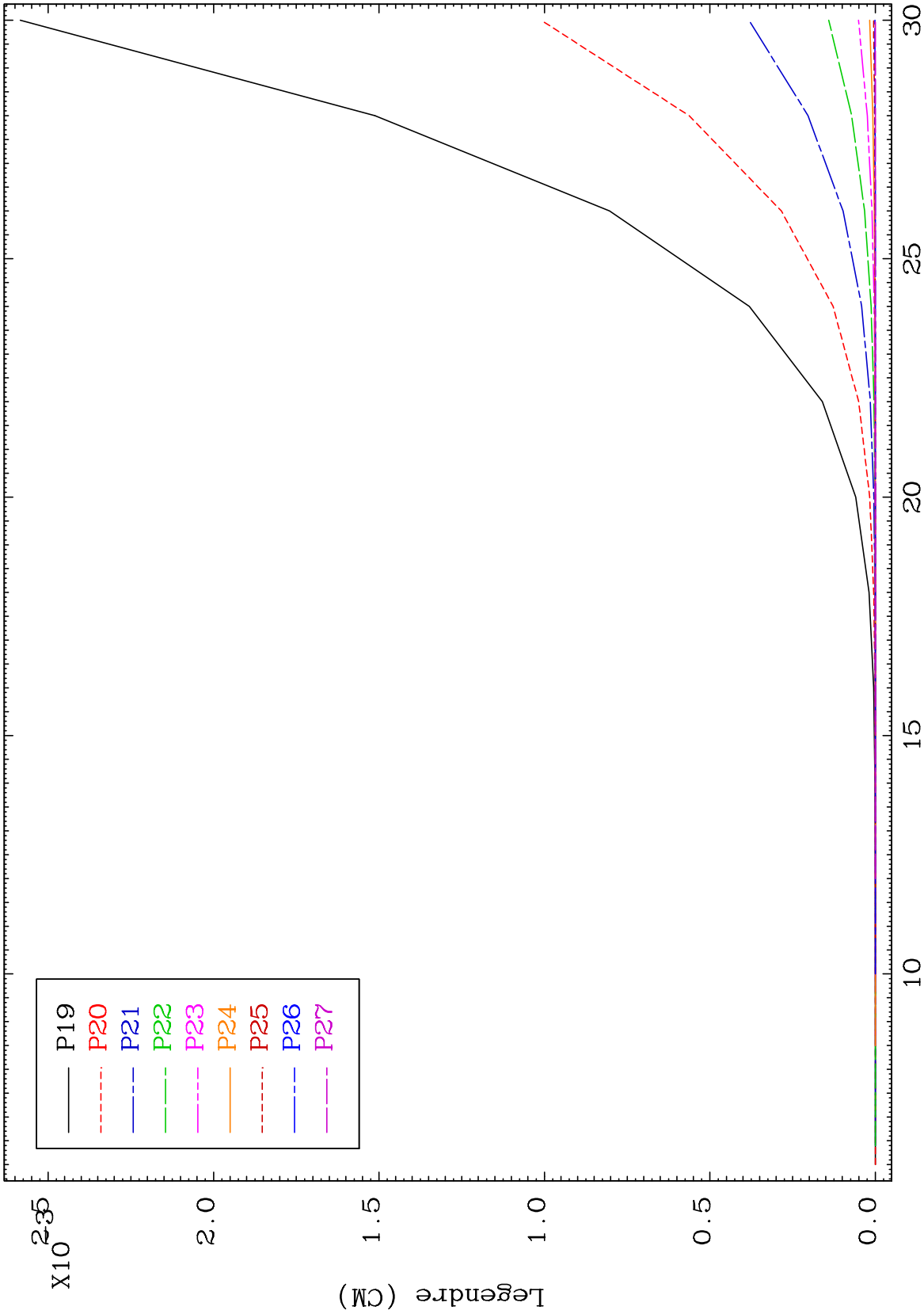
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41-Nb-94

MAT 4128

### Elastic Legendre Coefficients

41-Nb-94



18

41-Nb-94

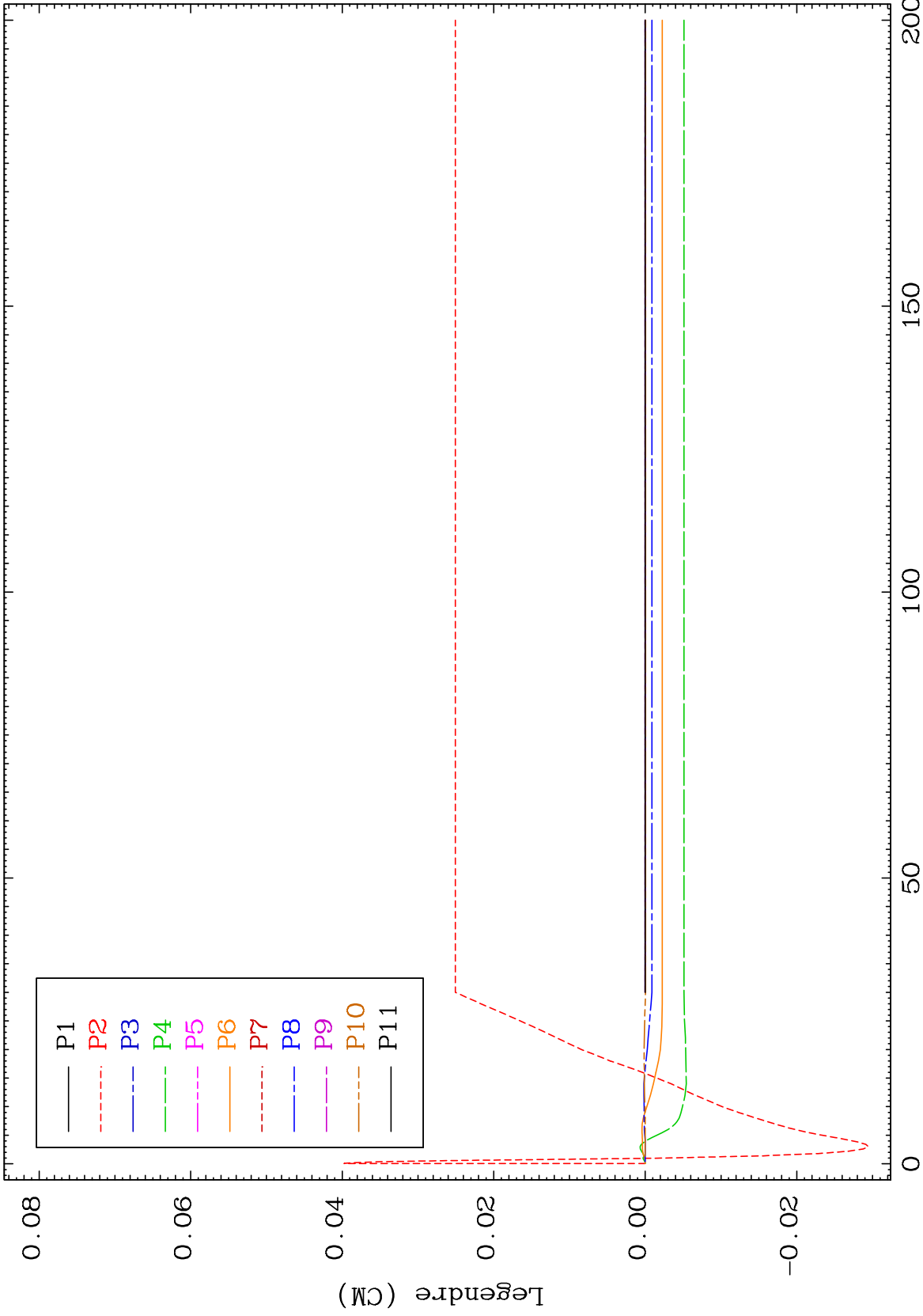
Elastic Legendre Coefficients



MAT 4128

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

41-Nb-94



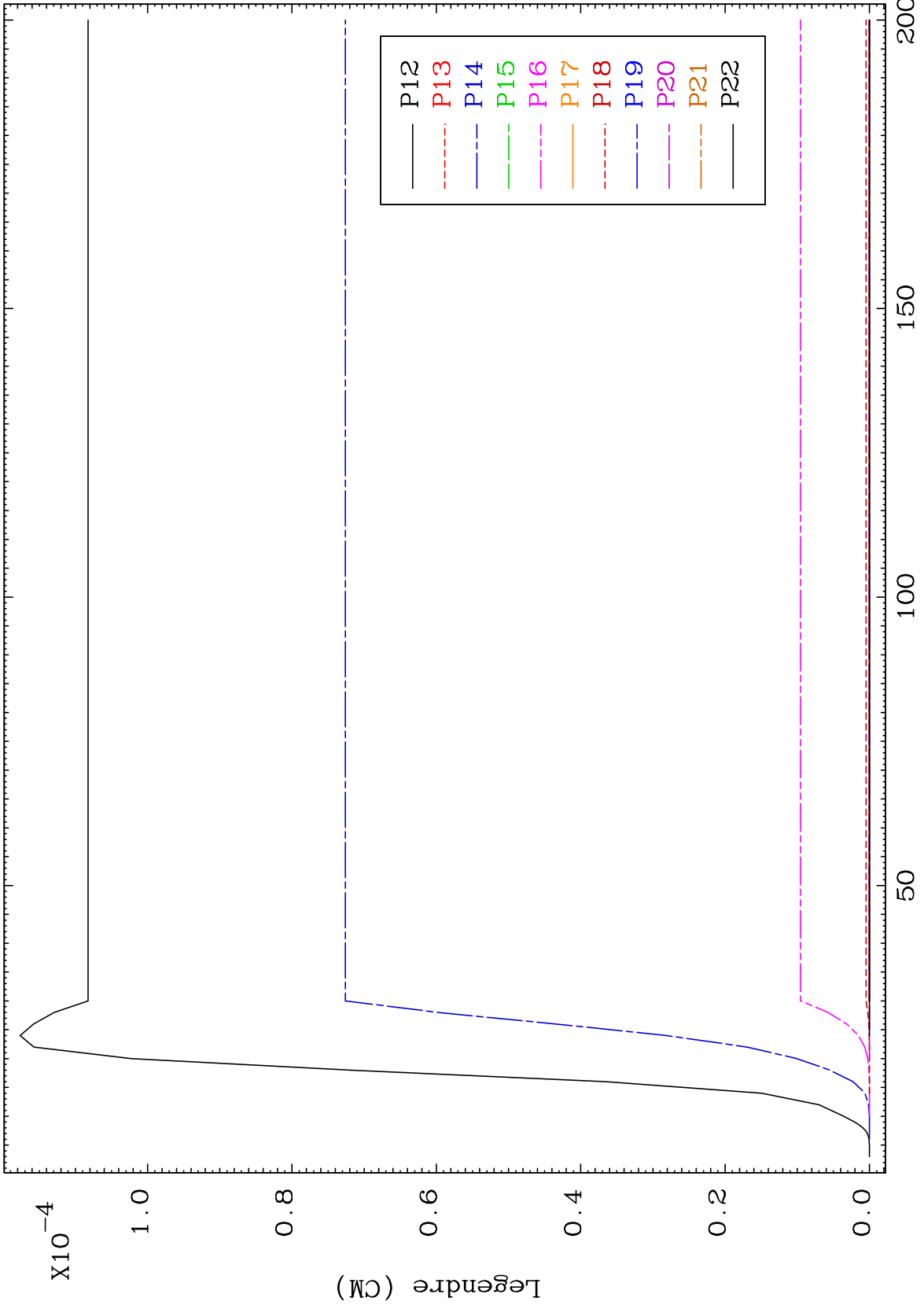
41-Nb-94

Incident Energy (MeV)

MAT 4128

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

41-Nb-94



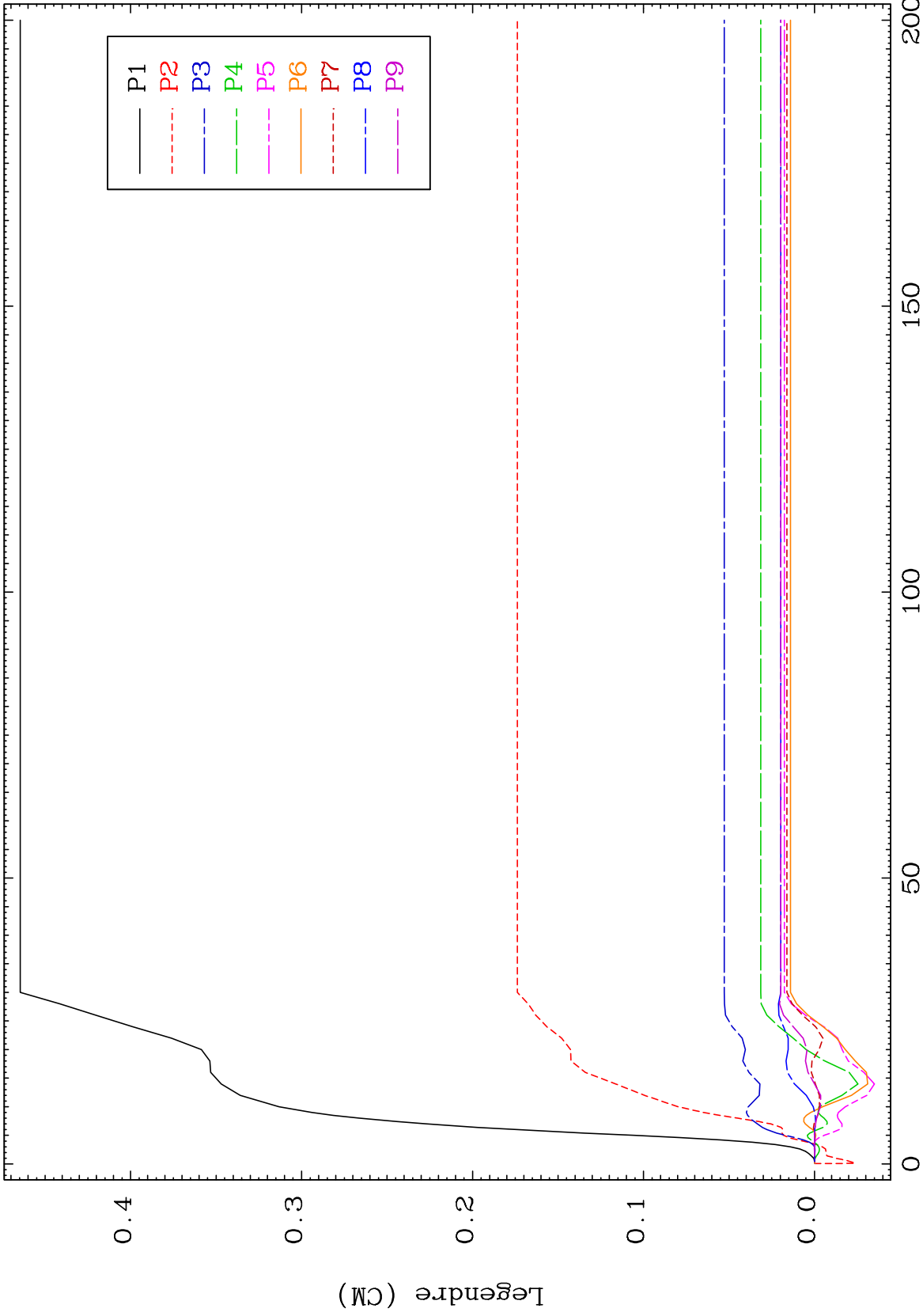
21

41-Nb-94

MAT 4128

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

41-Nb-94



22

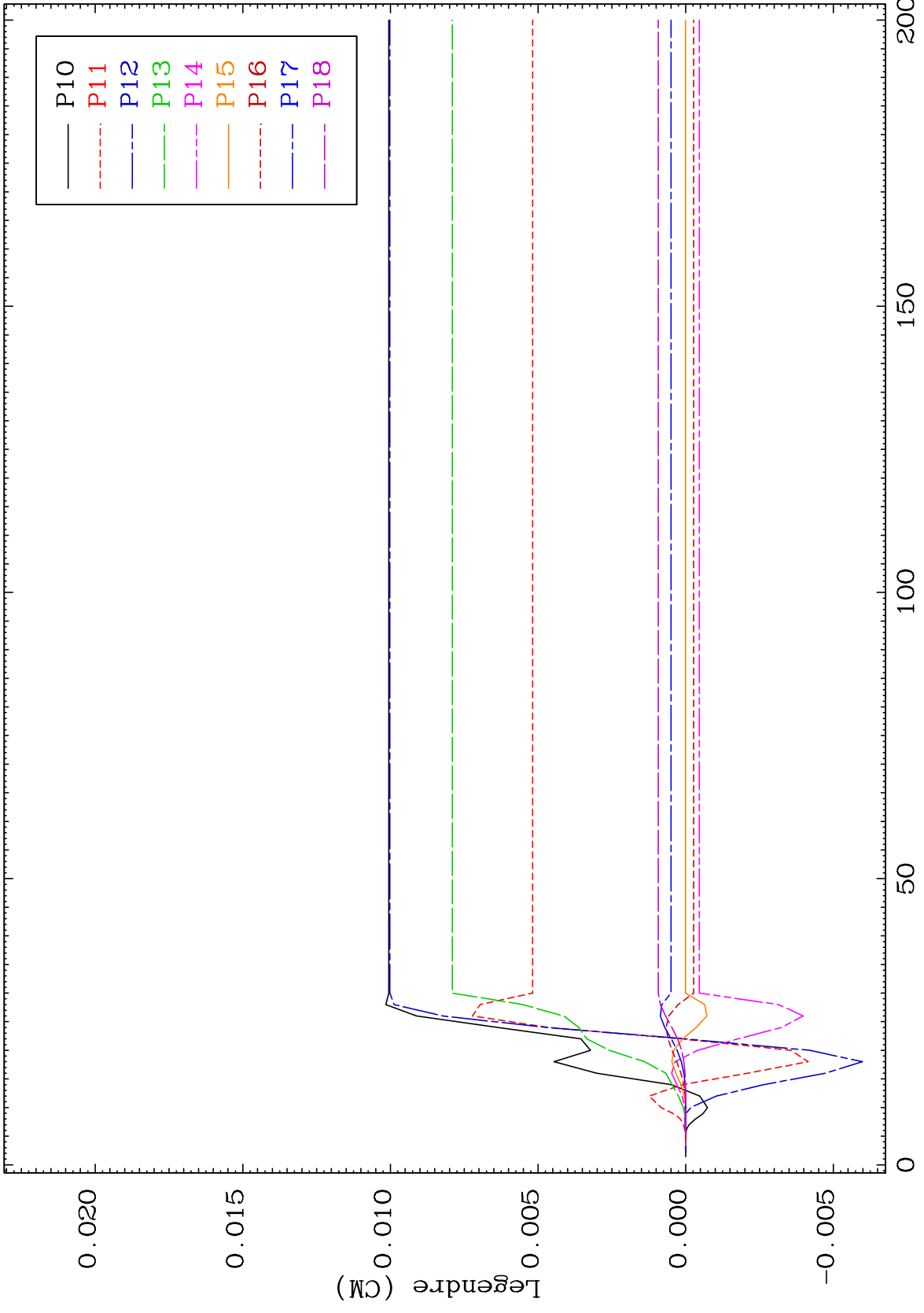
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



23

Incident Energy (MeV)

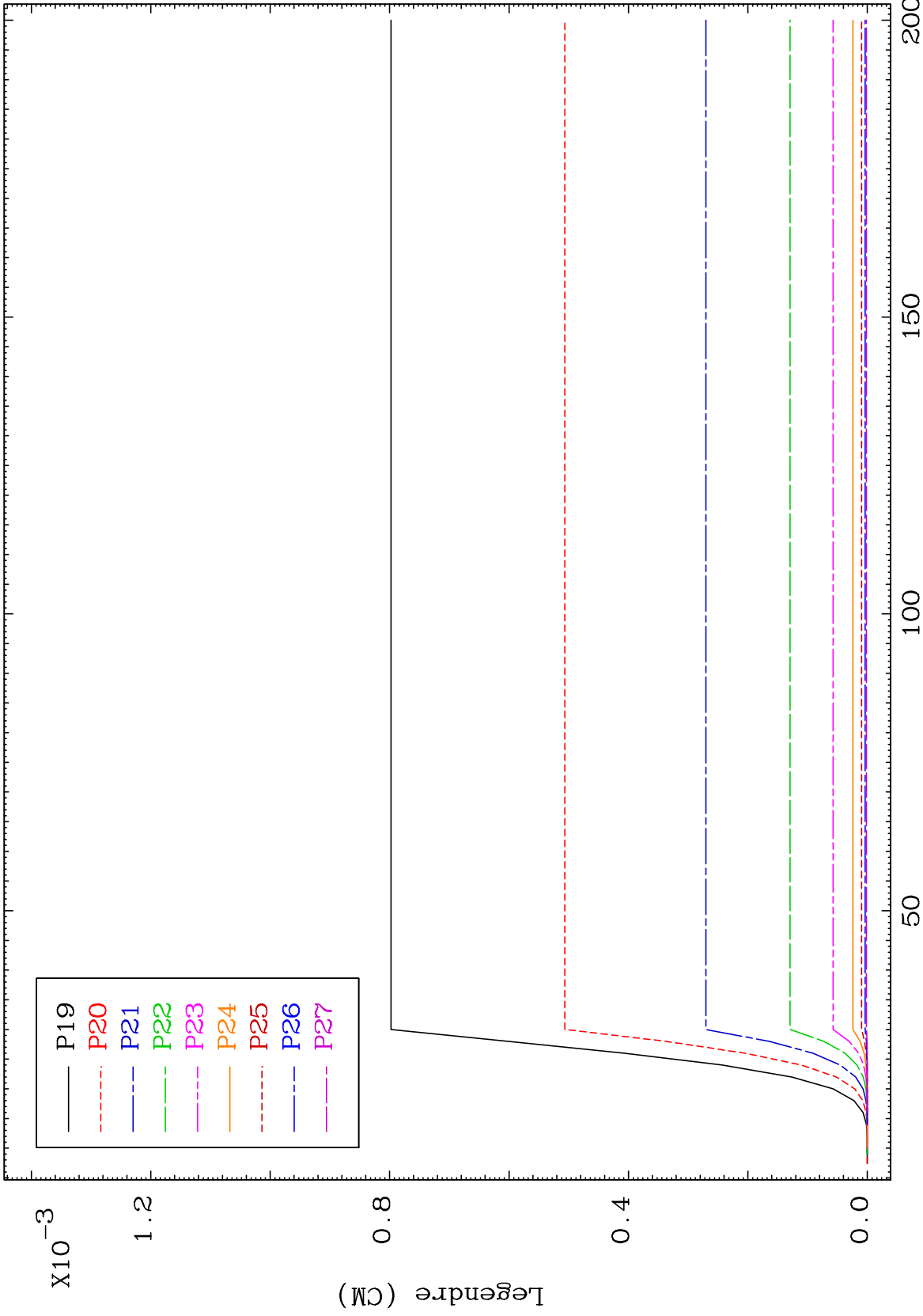
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MAT 4128

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

41-Nb-94



24

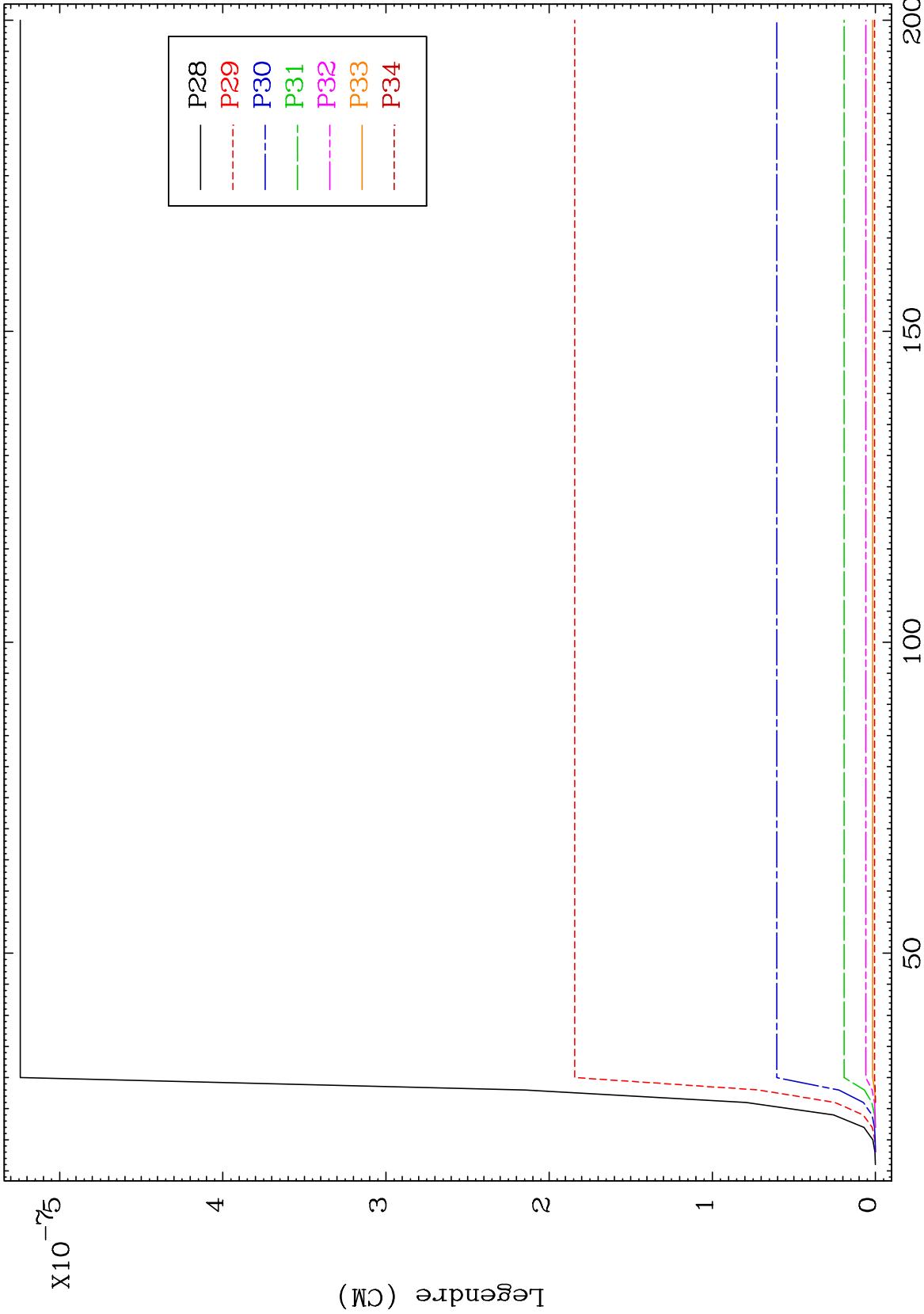
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



25

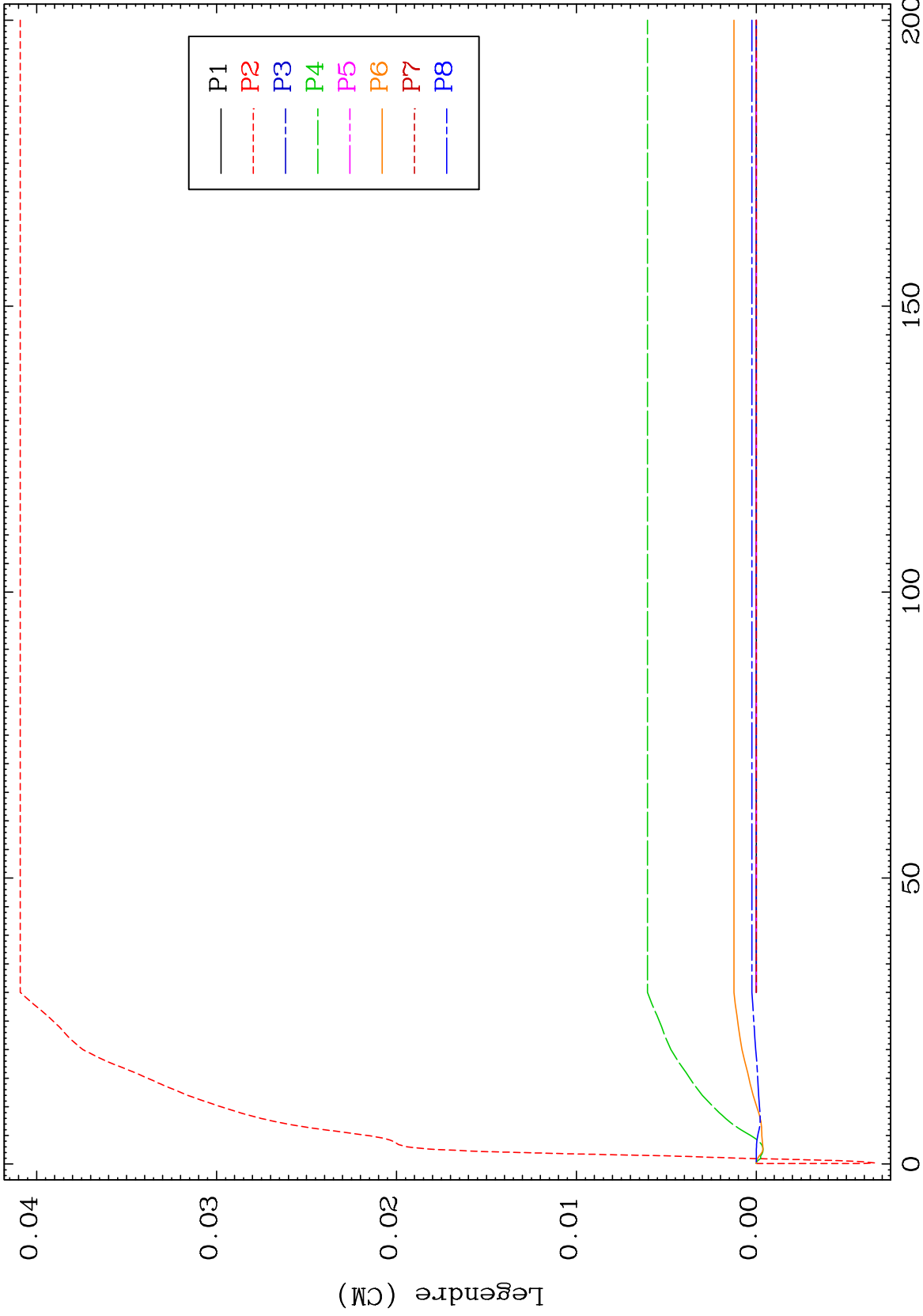
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



26

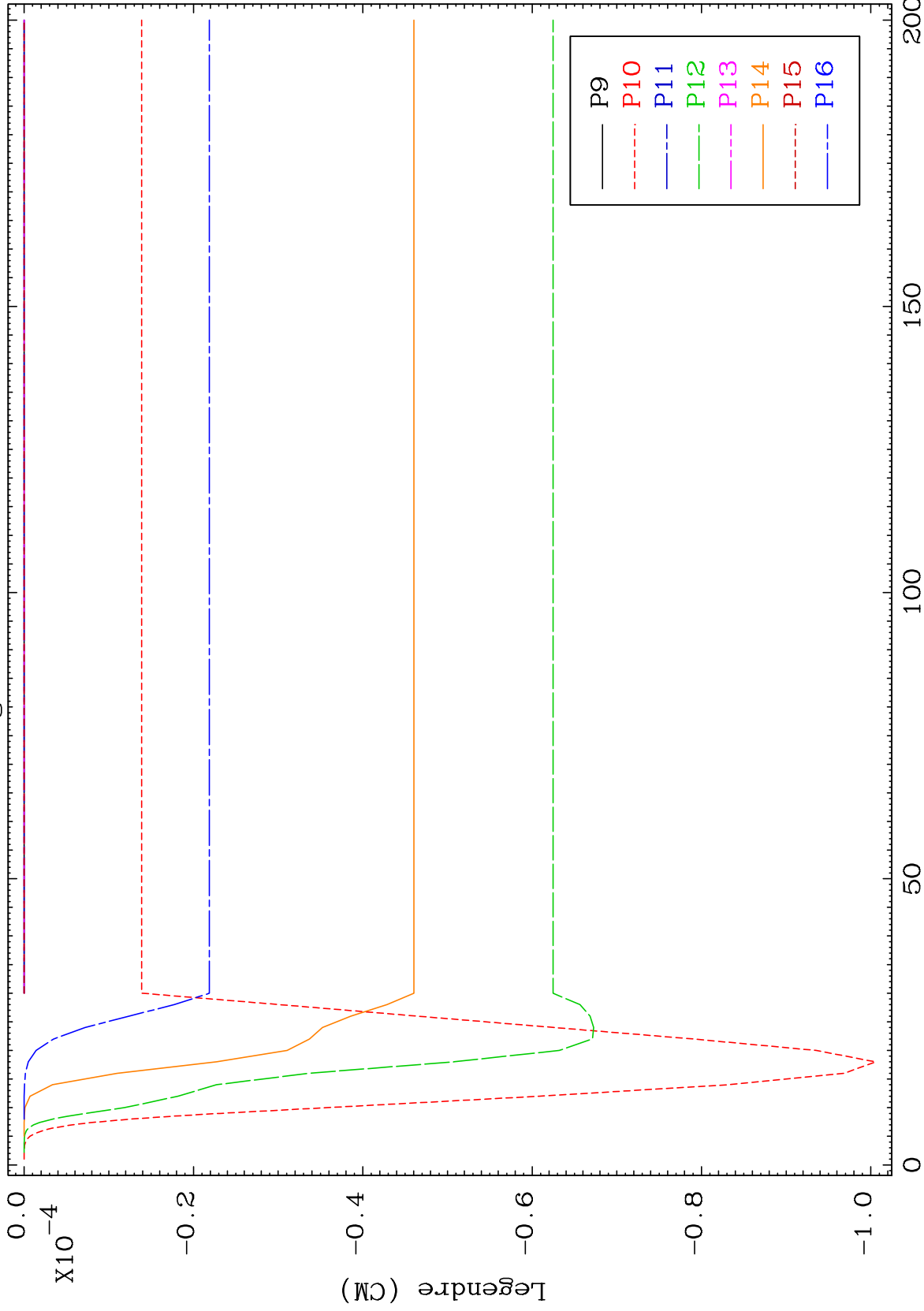
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



27

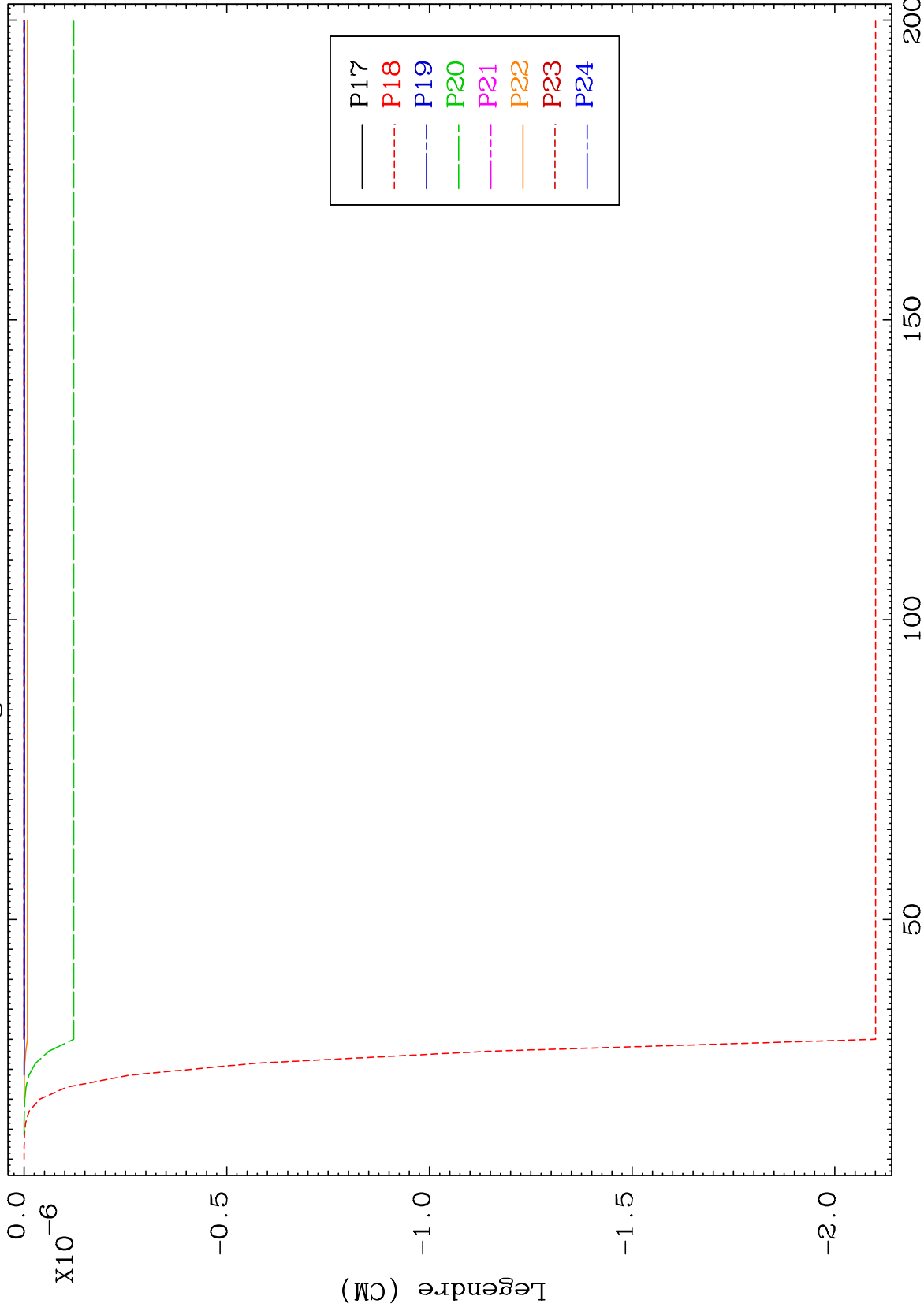
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94

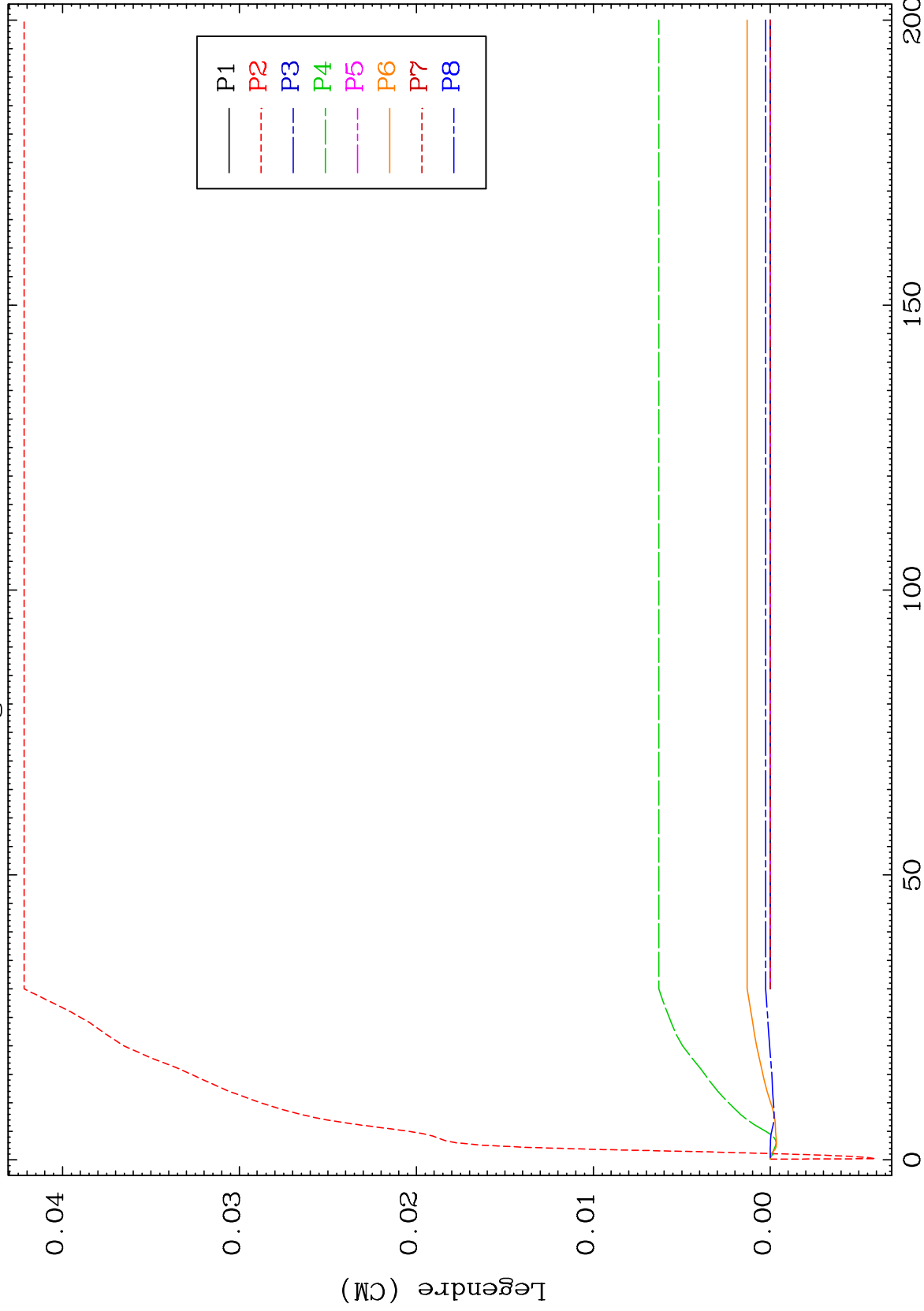


28

MAT 4128

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

41-Nb-94



29

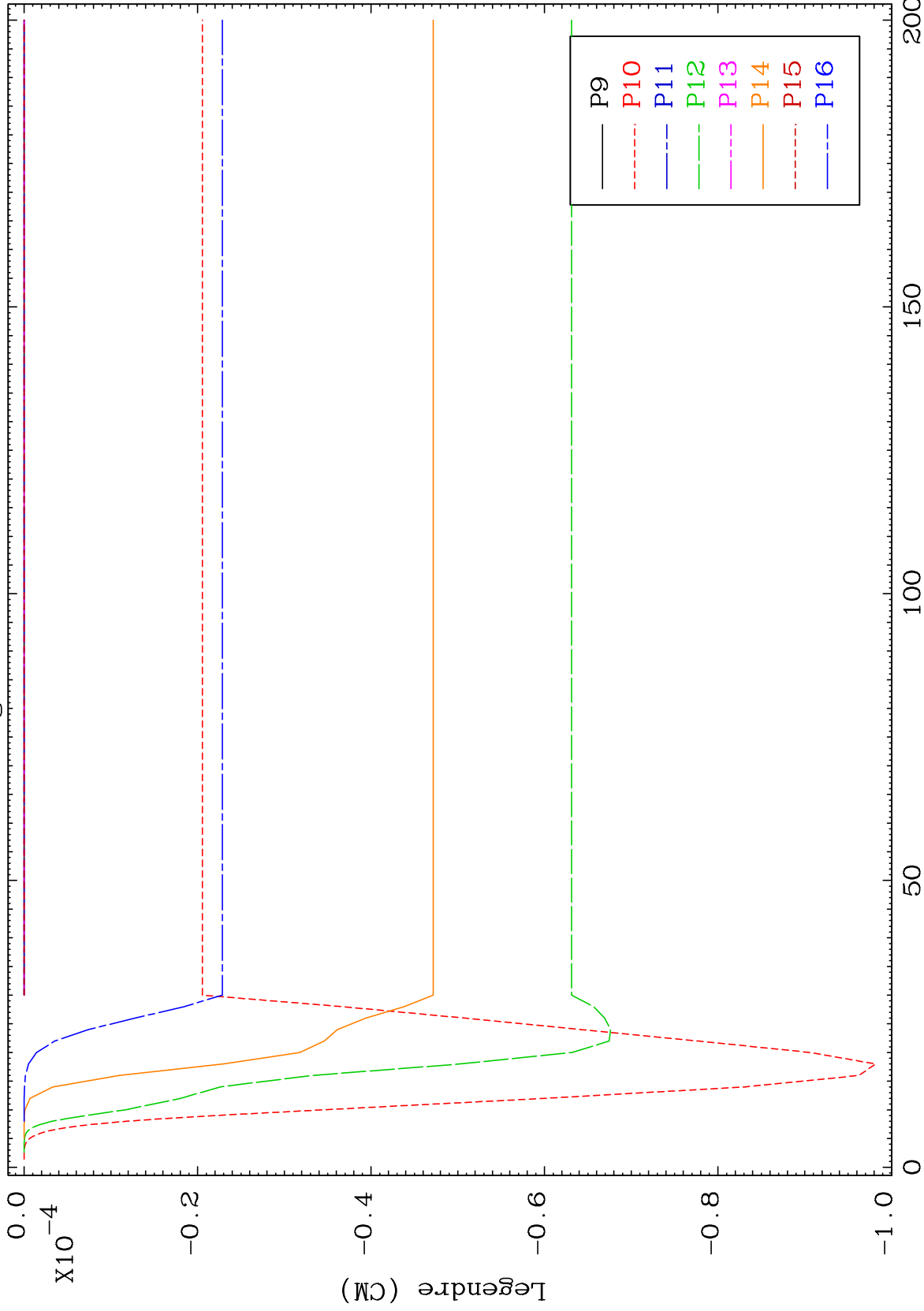
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



30

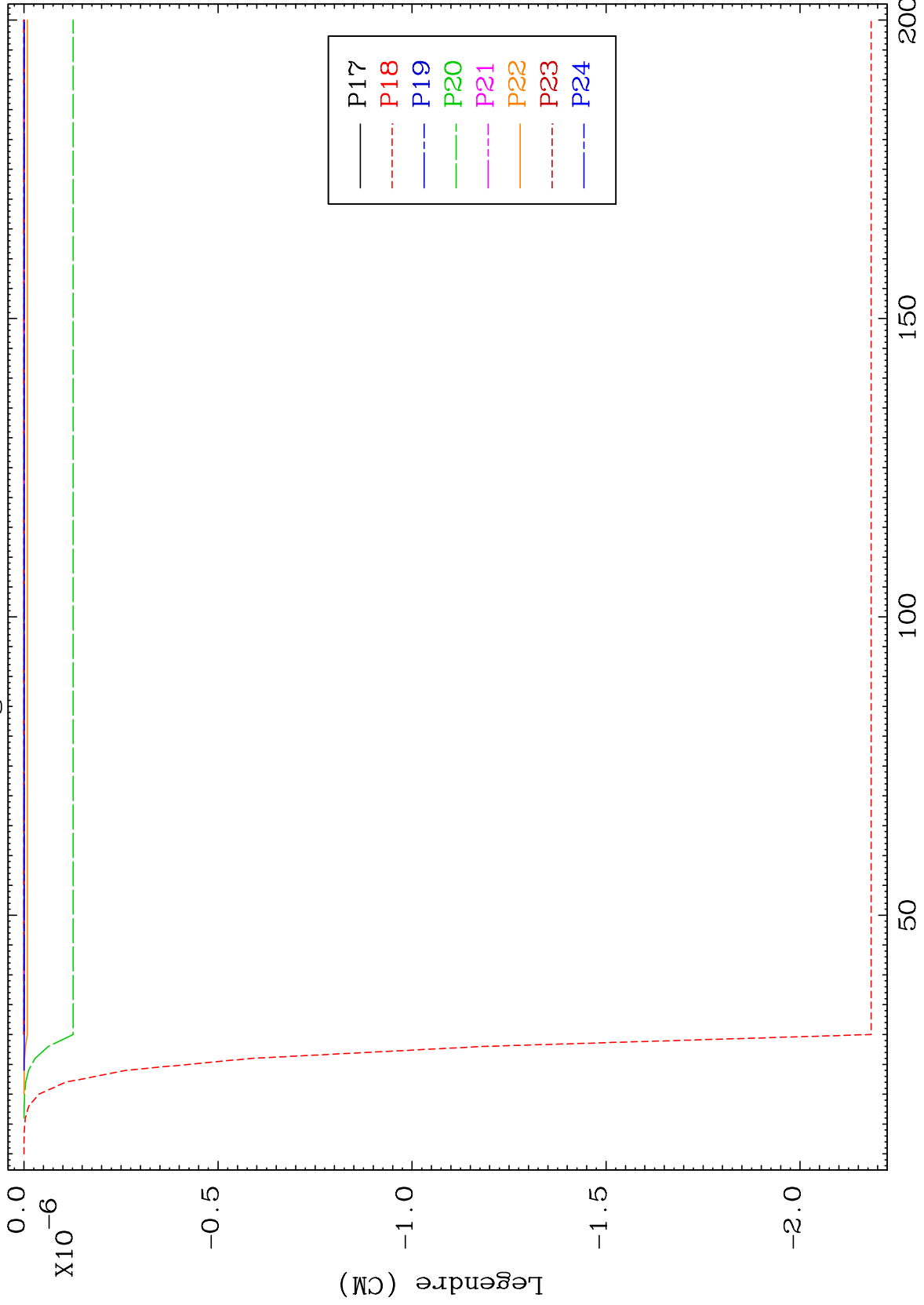
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



41-Nb-94

Incident Energy (MeV)

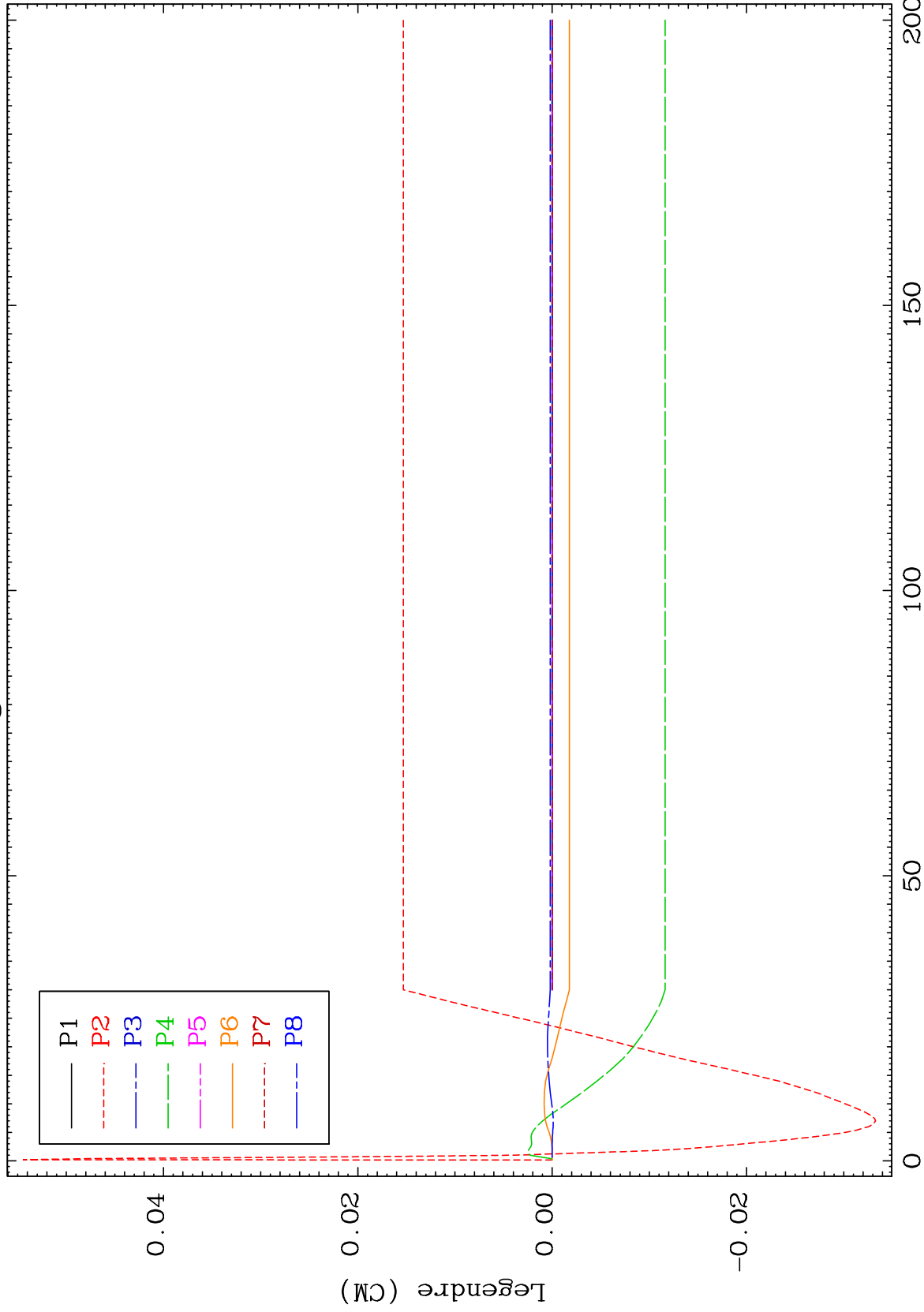
31



MAT 4128

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

41-Nb-94



32

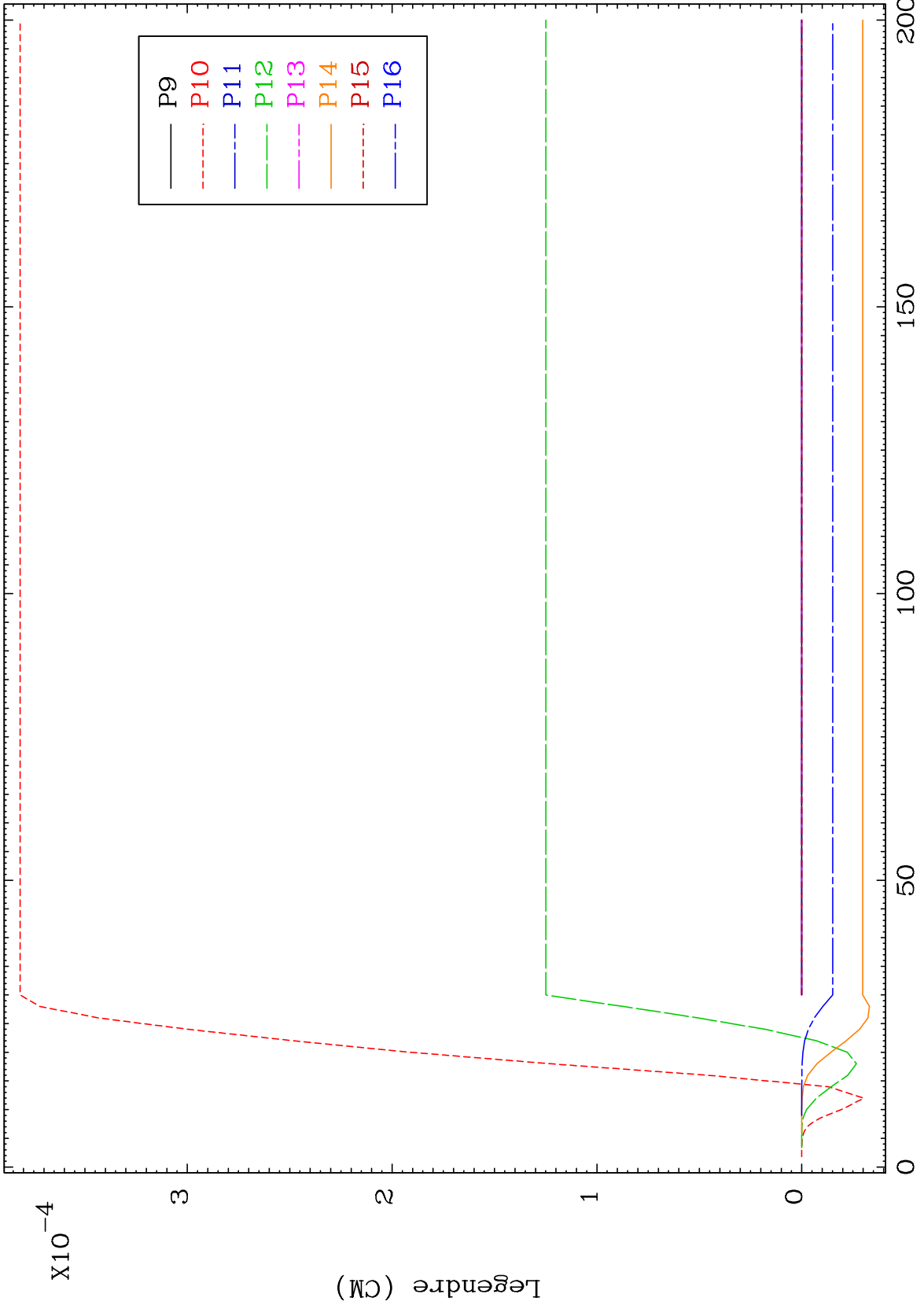
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94

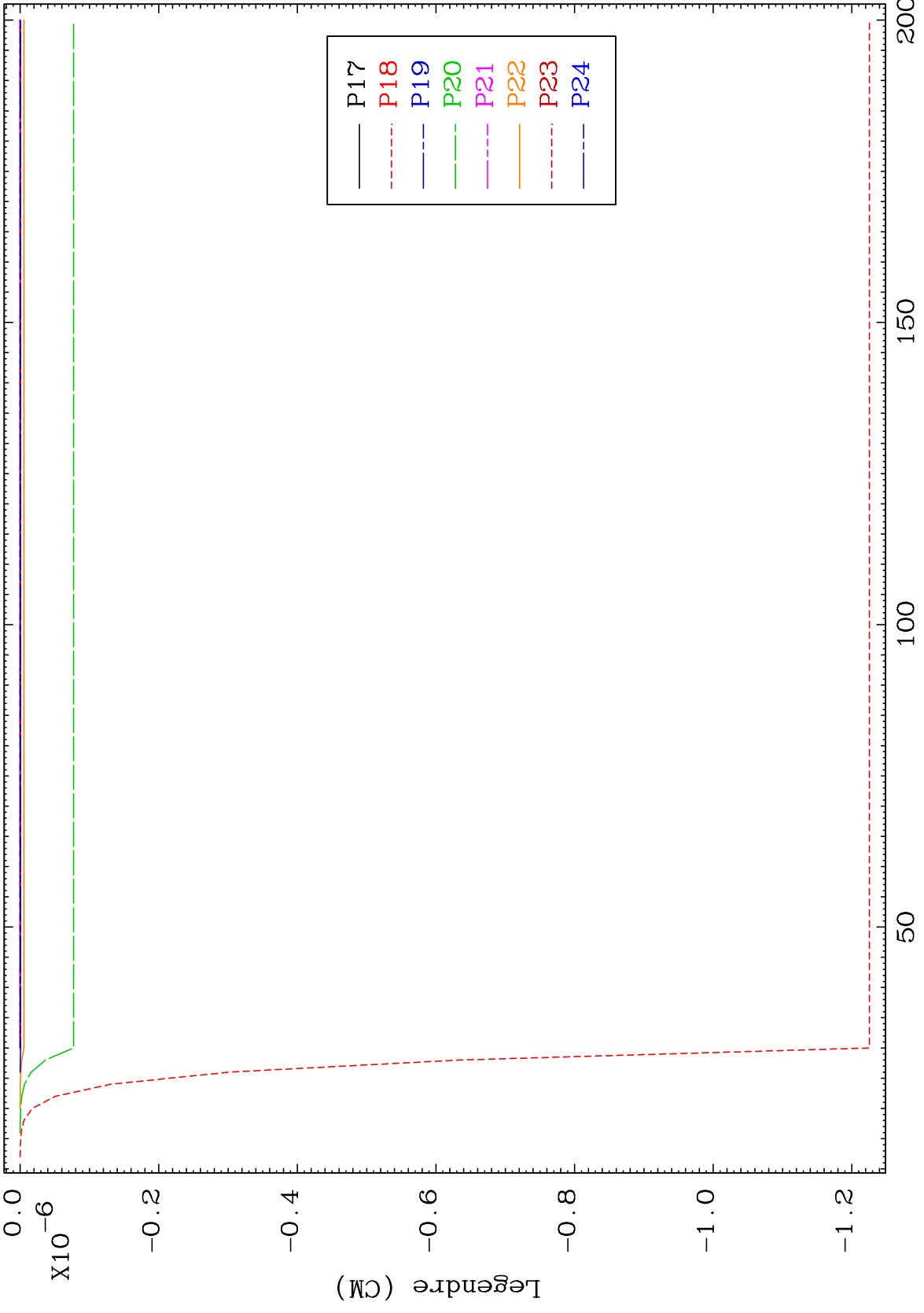


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Incident Energy (MeV)

41-Nb-94

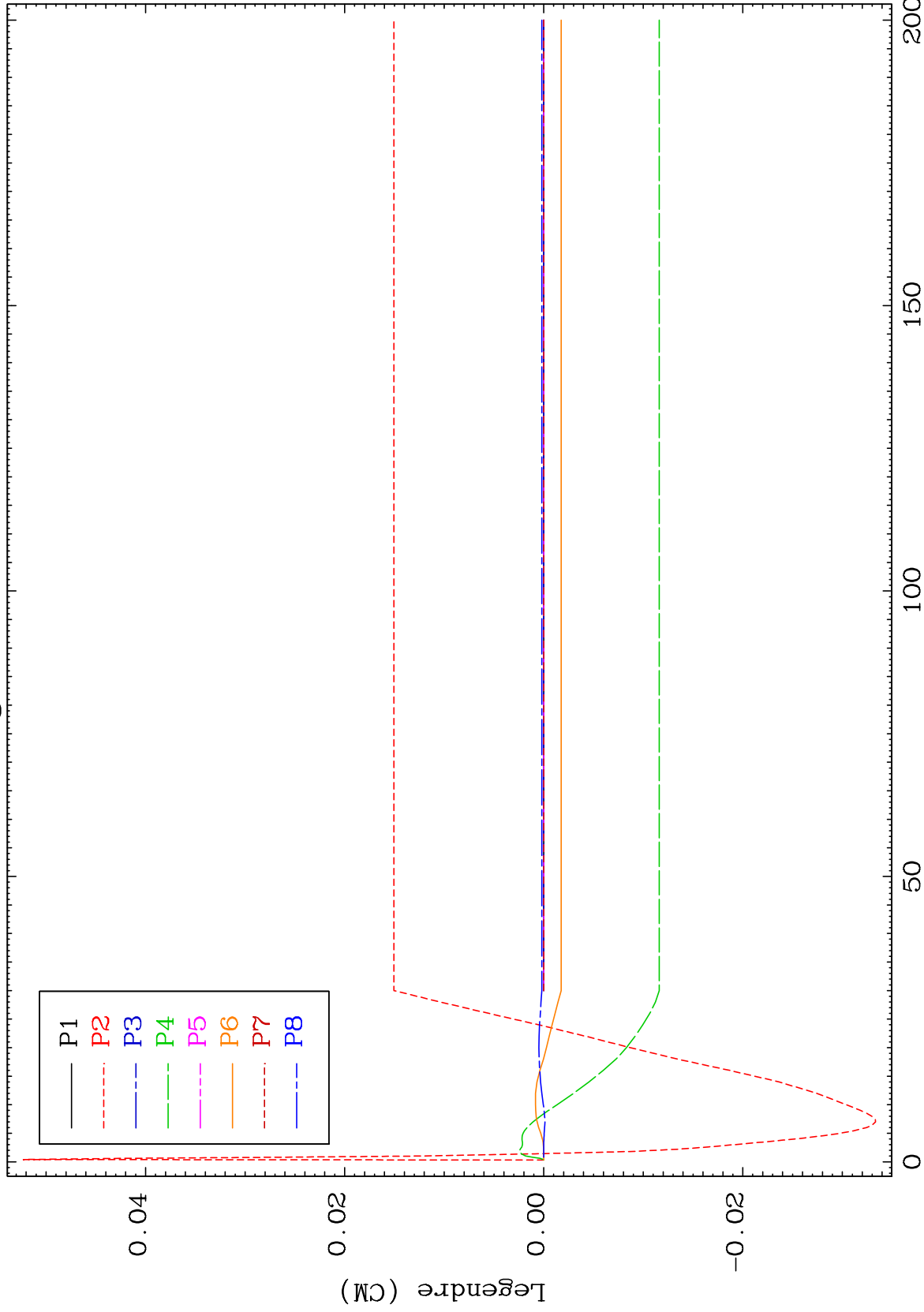
MAT 4128 MT= 55 (n,n') Level Legendre Coefficients 41-Nb-94



MAT 4128

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

41-Nb-94



35

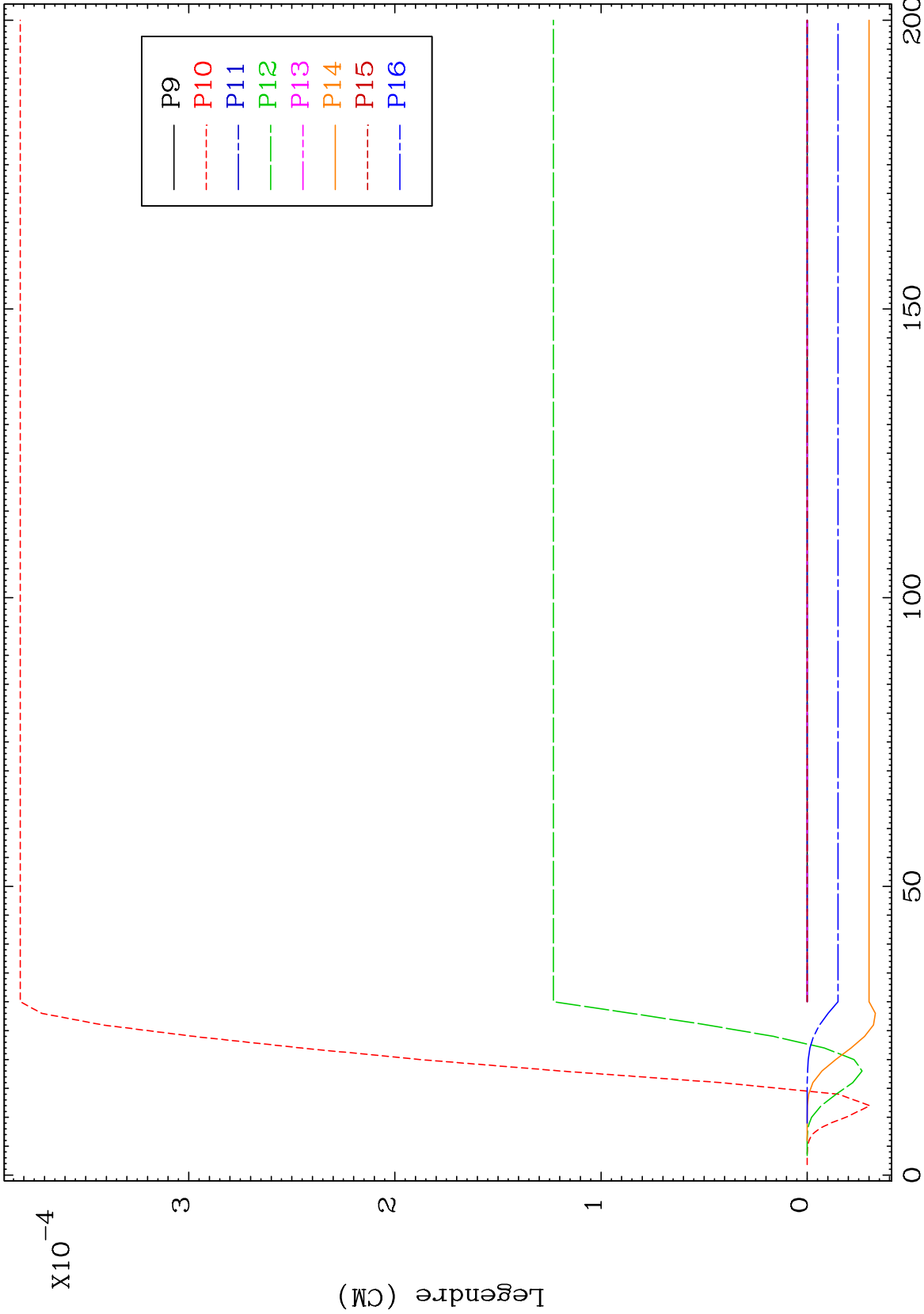
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94

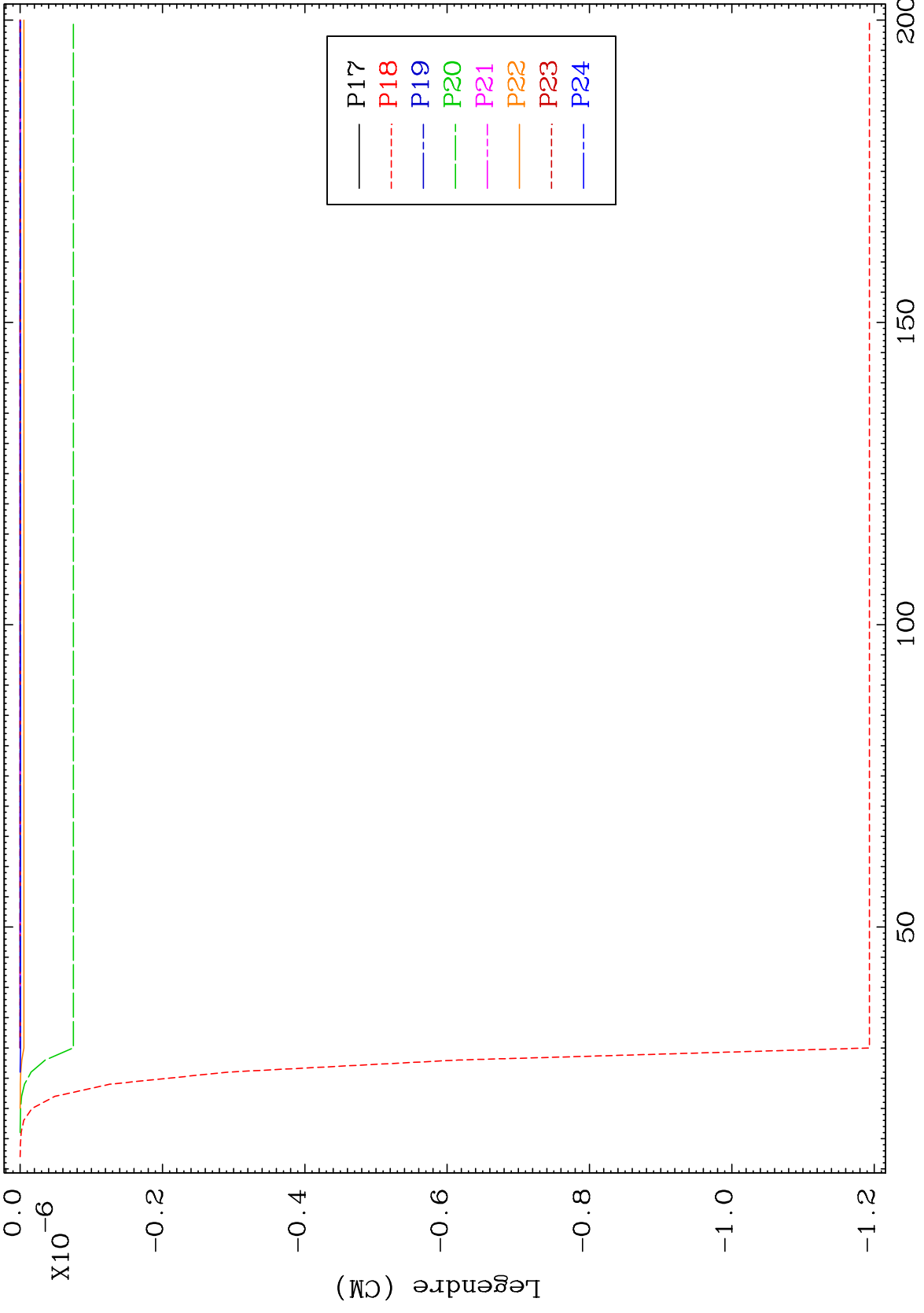


36

Incident Energy (MeV)

41-Nb-94

MAT 4128 MT= 56 (n,n') Level Legendre Coefficients 41-Nb-94

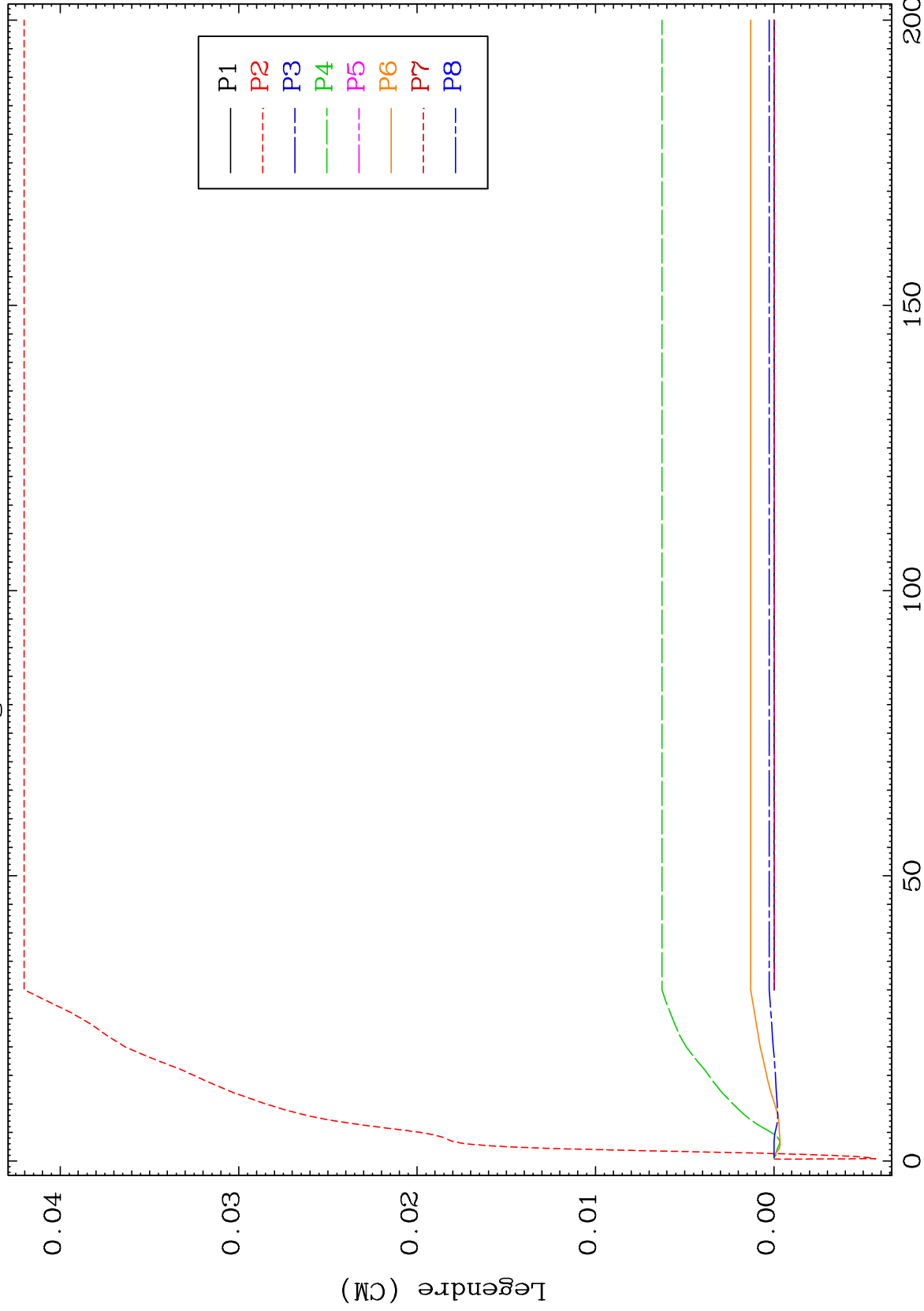


37 41-Nb-94

MAT 4128

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

41-Nb-94



38

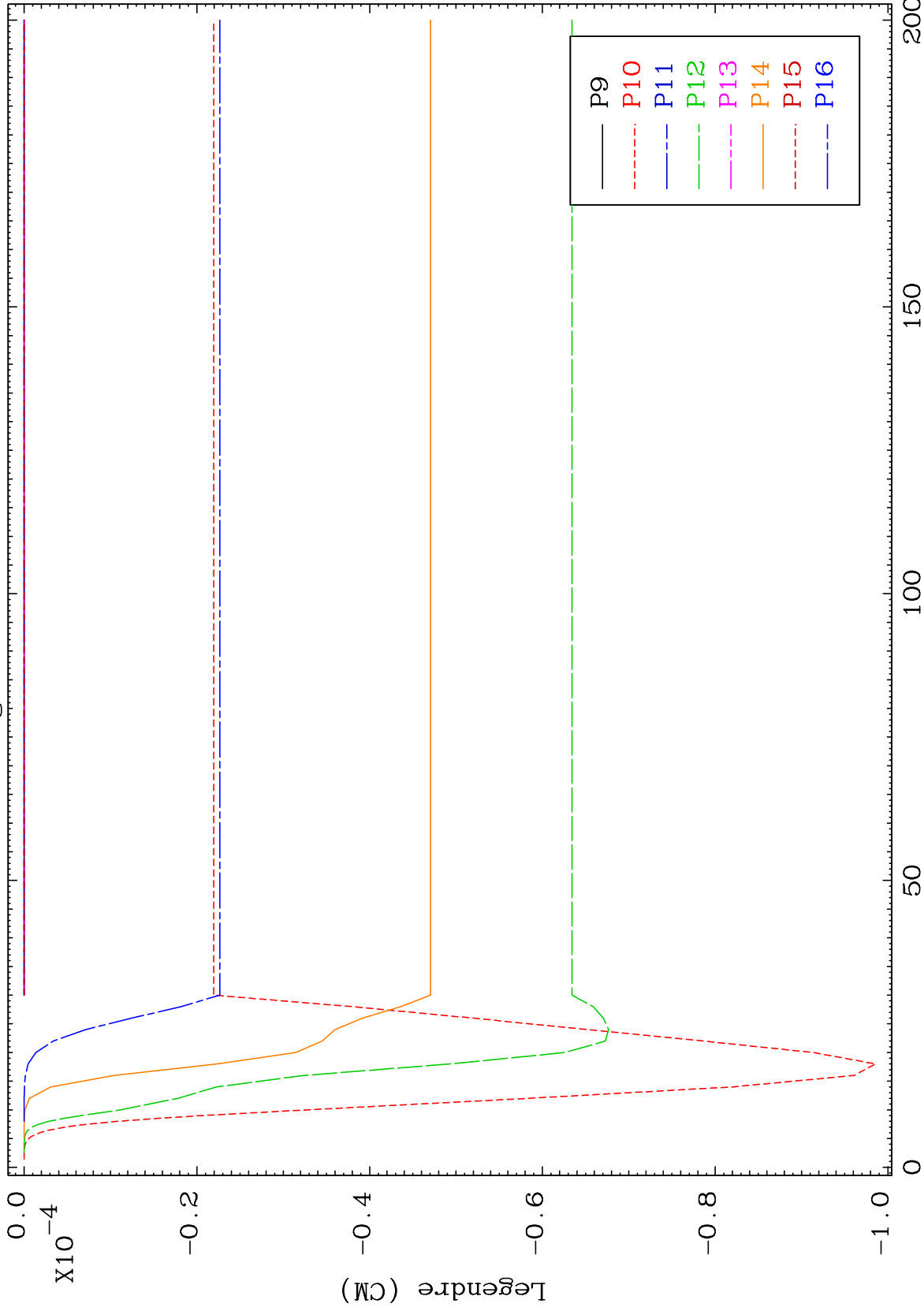
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



39

41-Nb-94

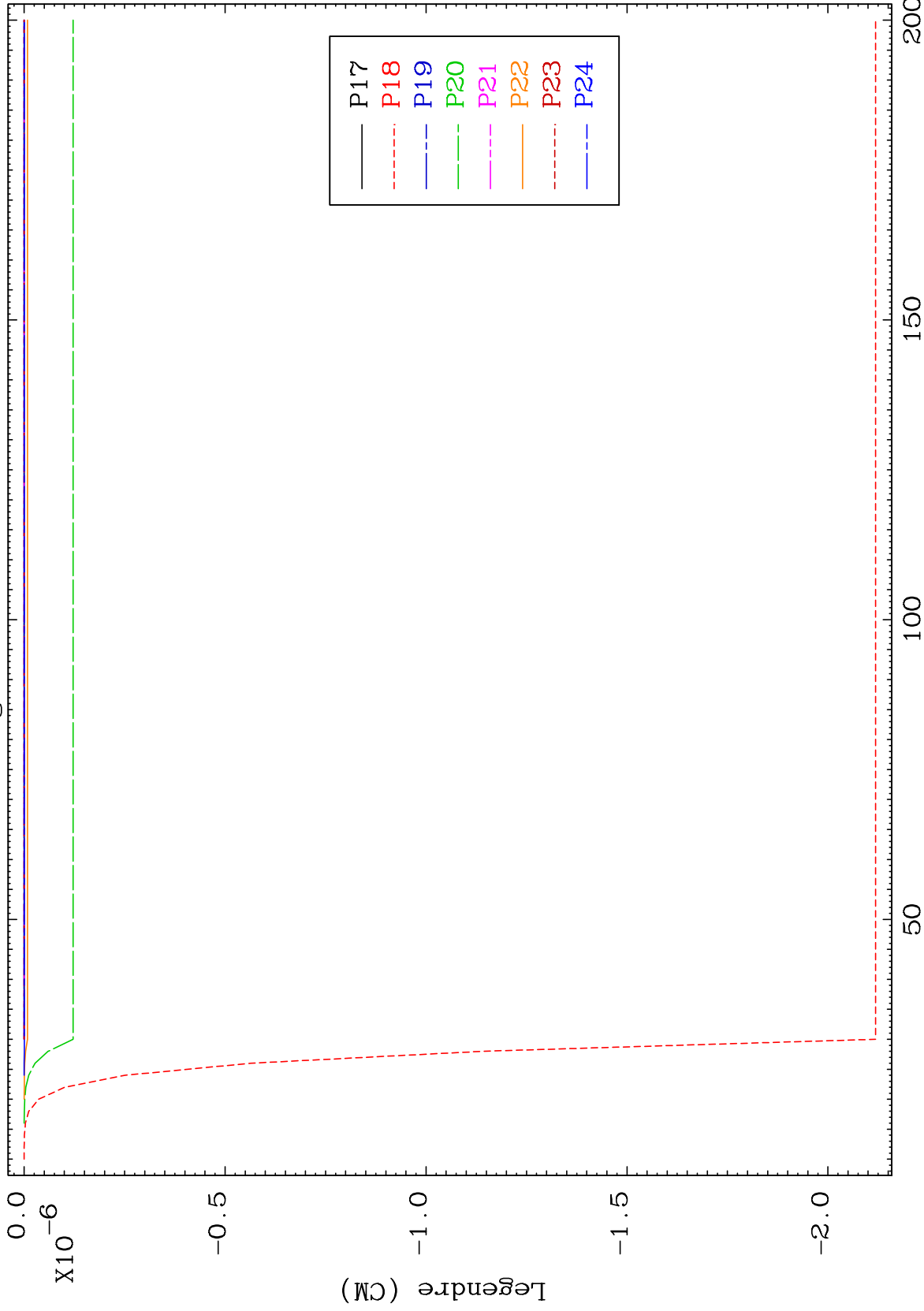


MAT 4128

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

41-Nb-94

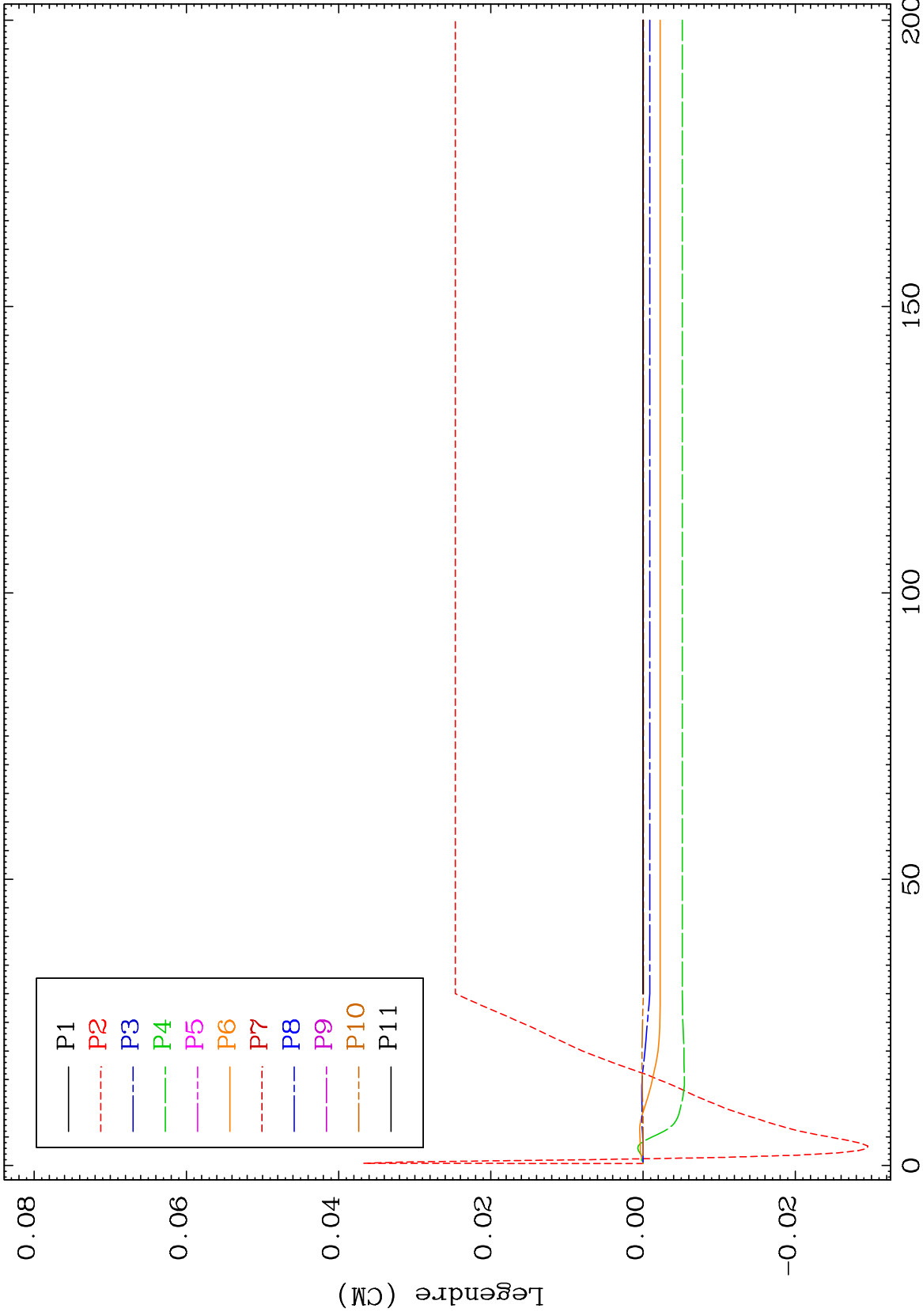
Incident Energy (MeV)



MAT 4128

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

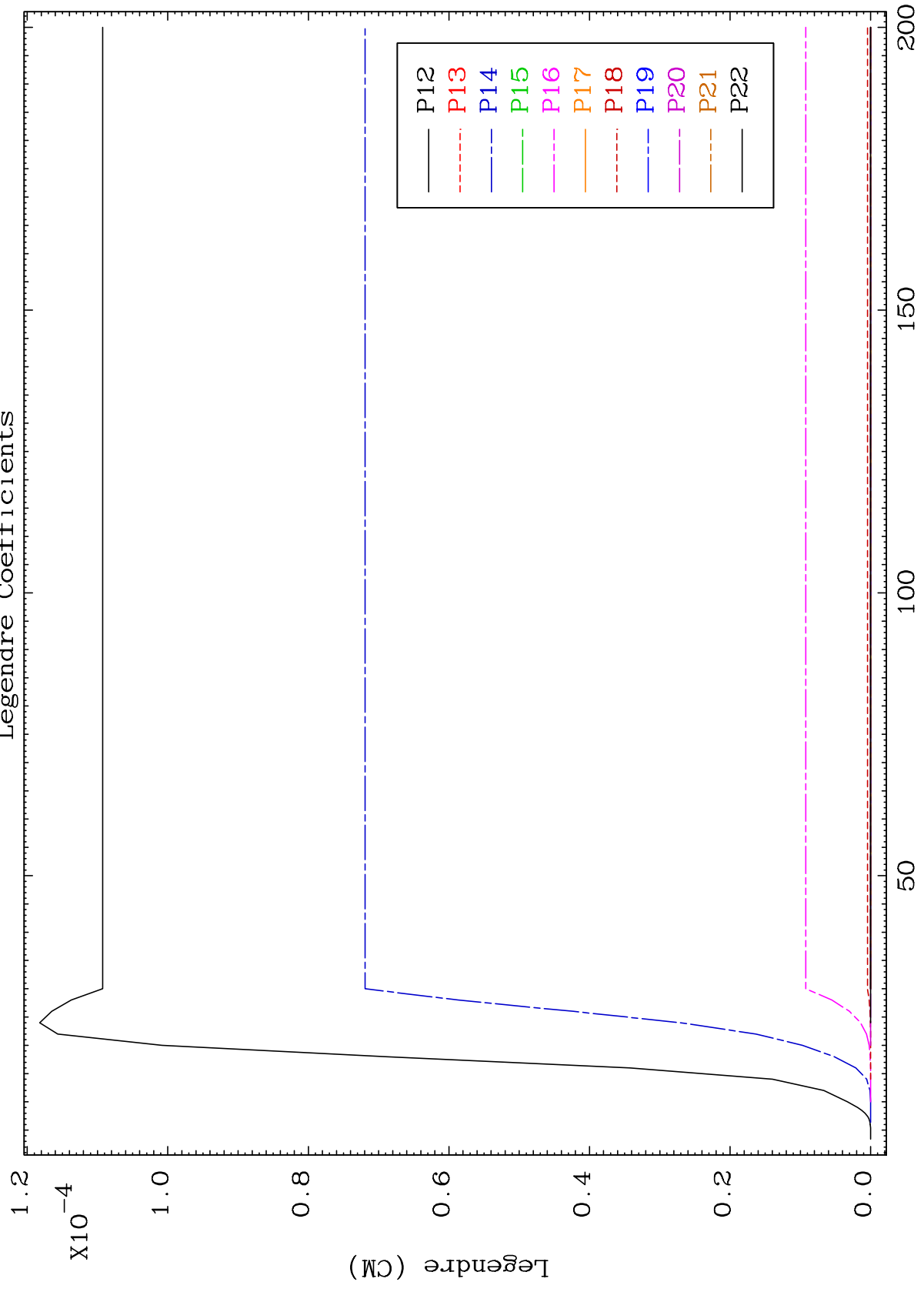
41-Nb-94



41

Incident Energy (MeV)

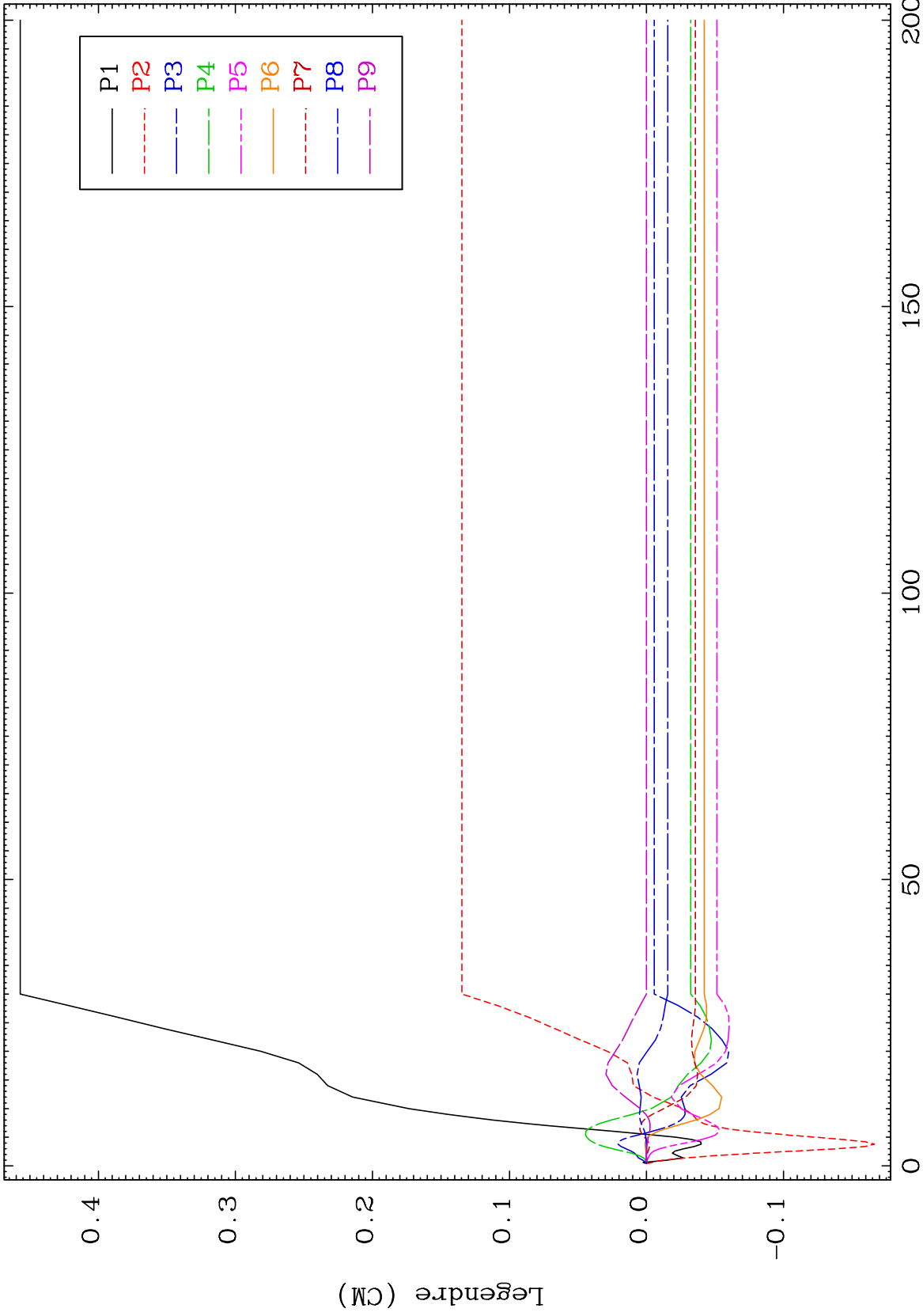
41-Nb-94



MAT 4128

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

41-Nb-94



43

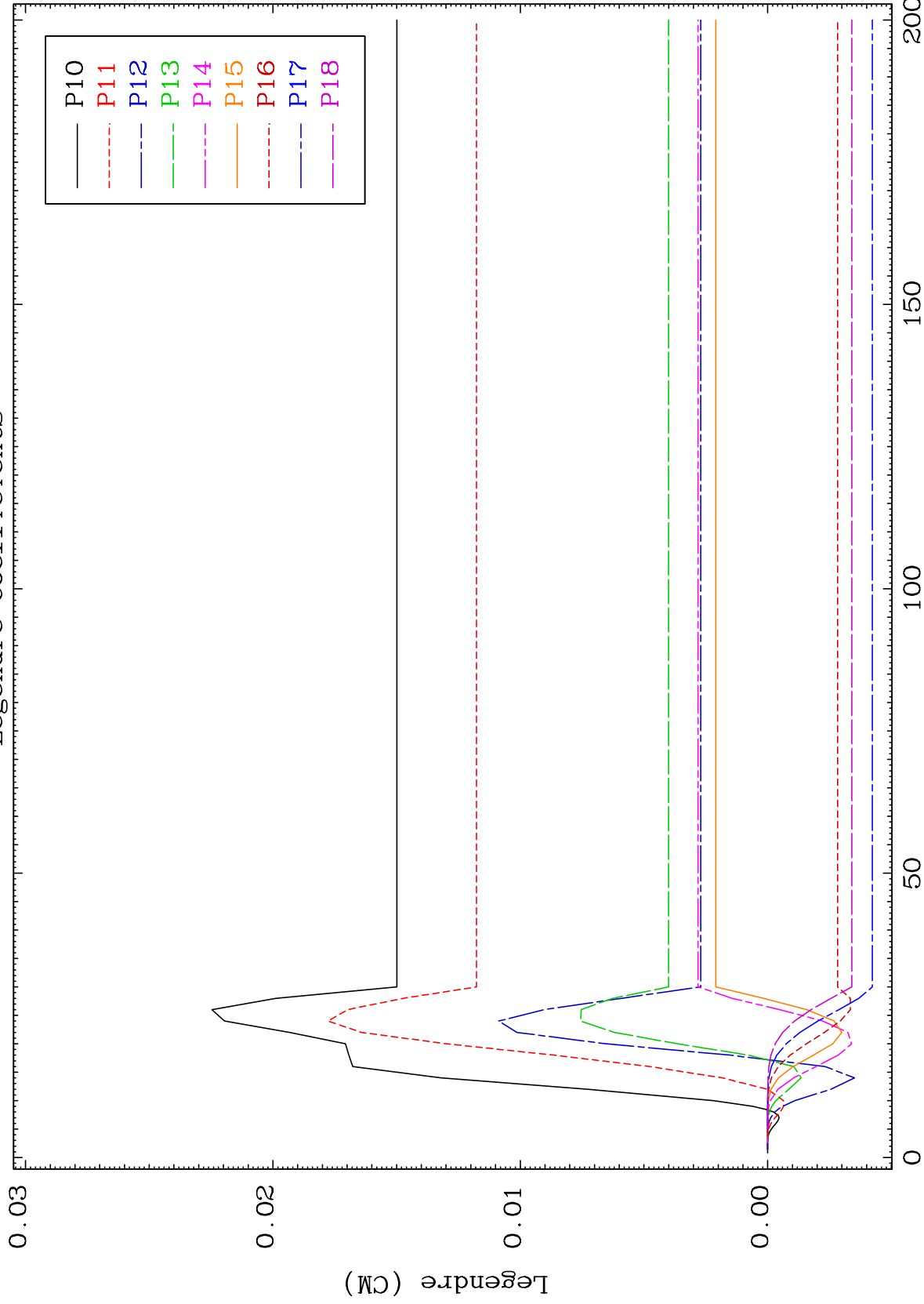
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



44

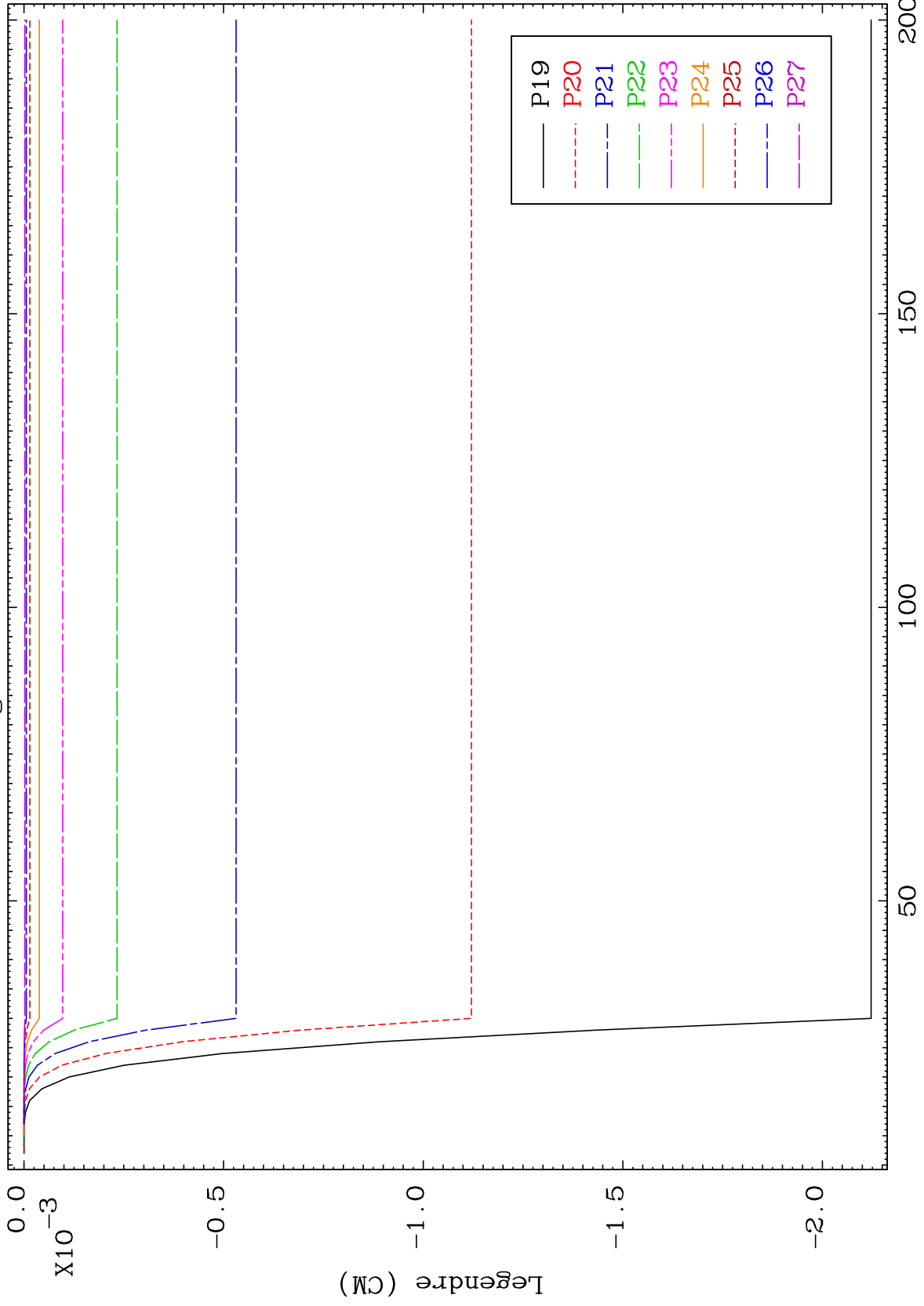
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



45

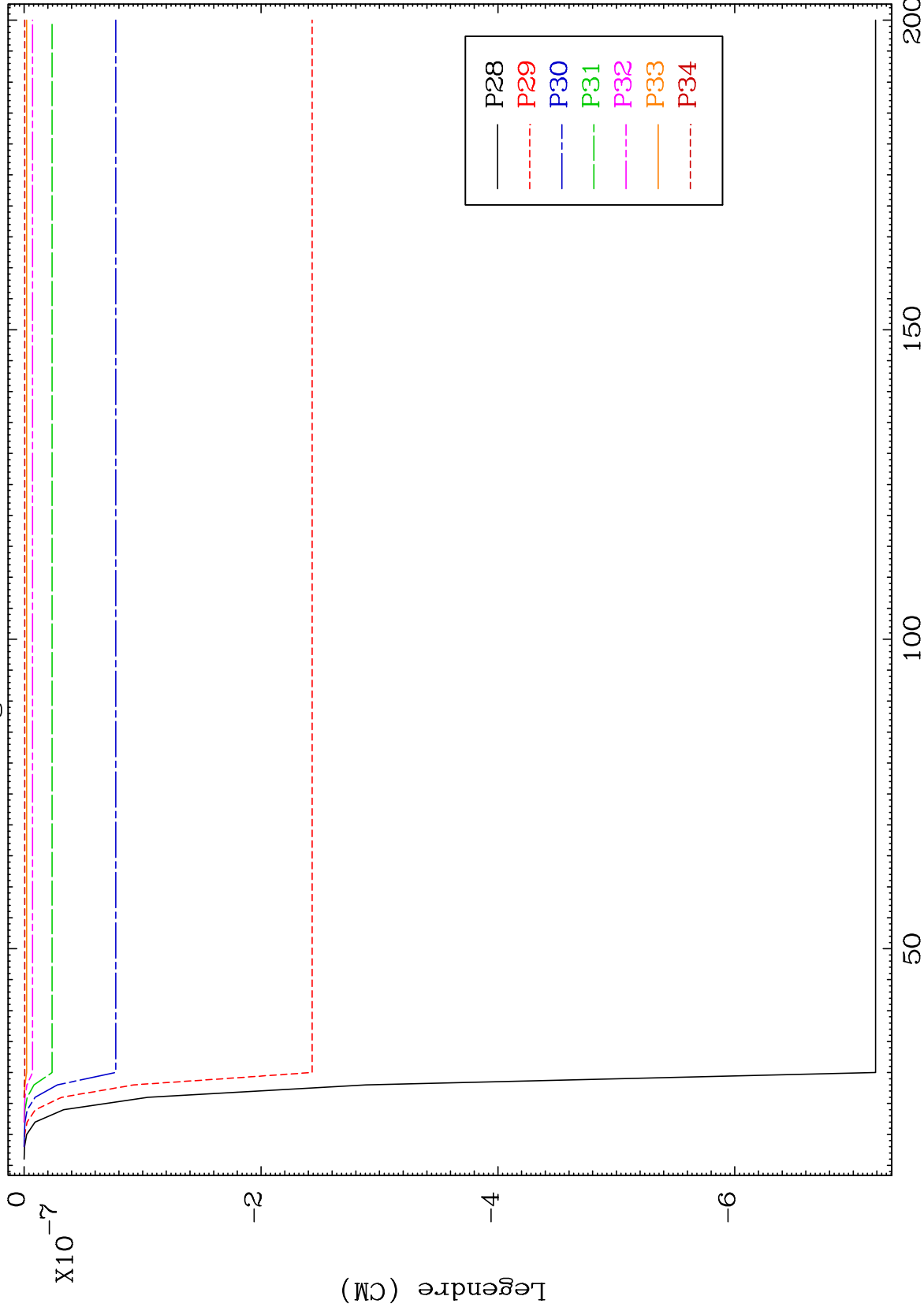
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



41-Nb-94

Incident Energy (MeV)

46

MAT 4128

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

41-Nb-94



47

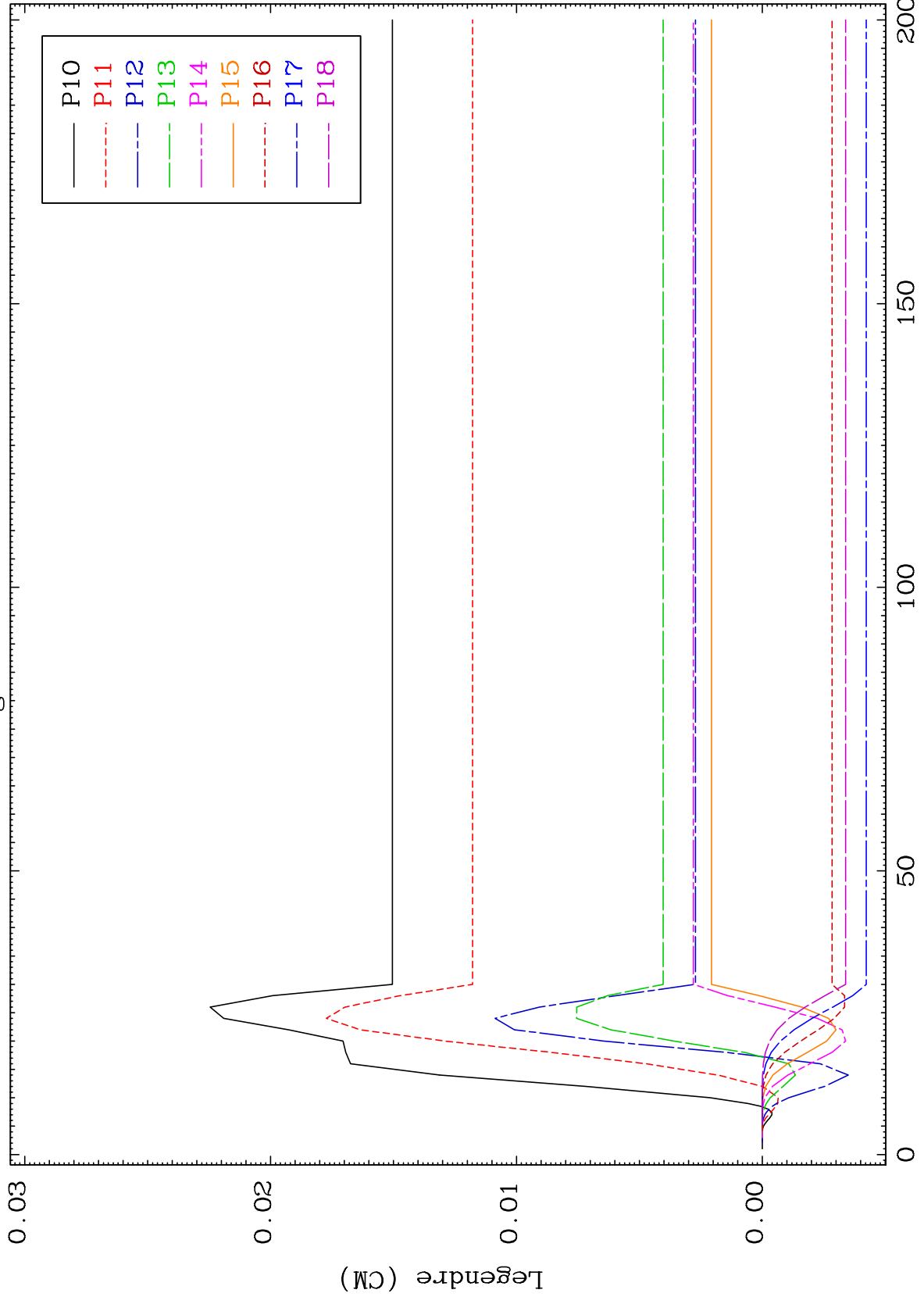
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MAT 4128

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

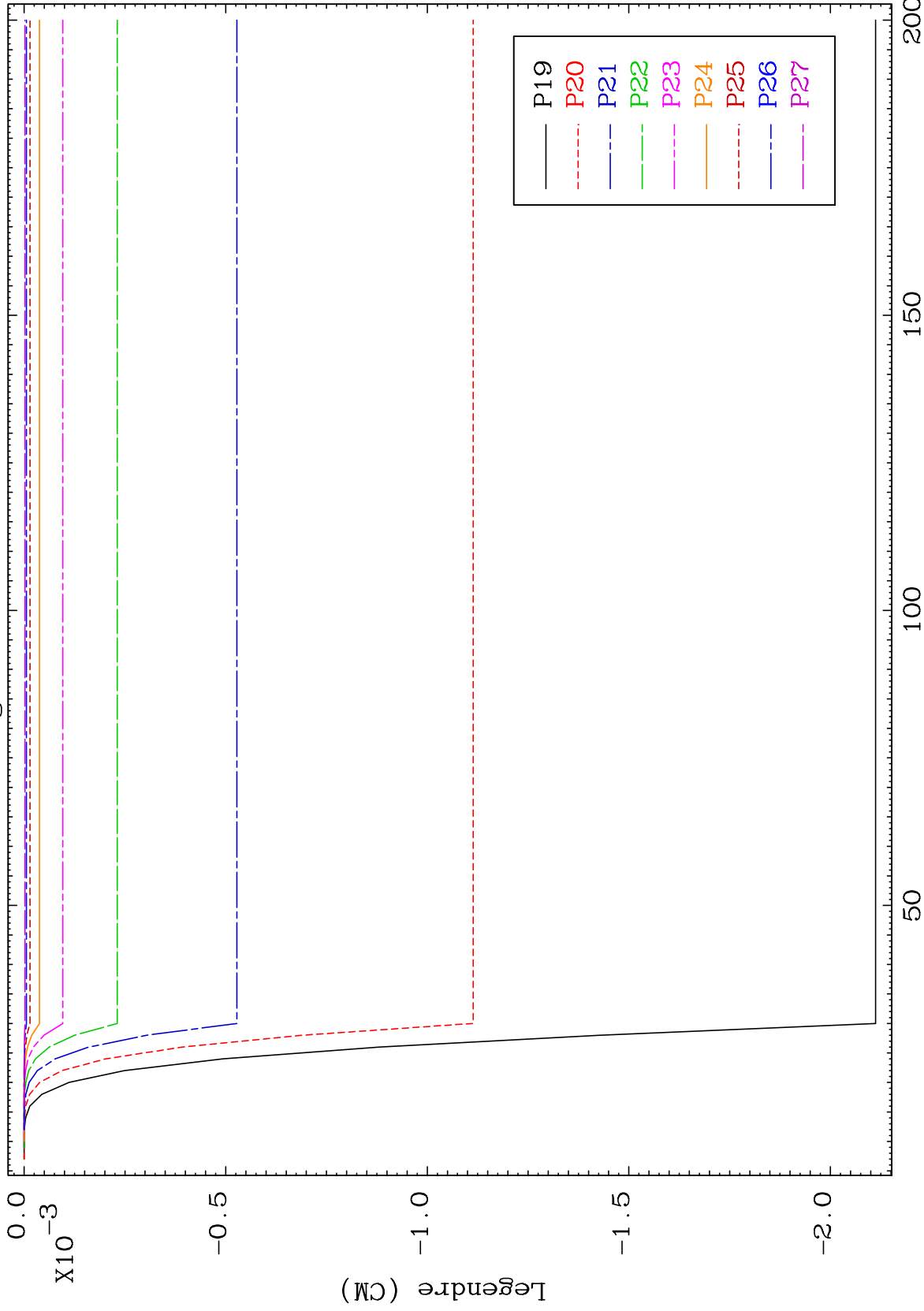
41-Nb-94



48

Incident Energy (MeV)

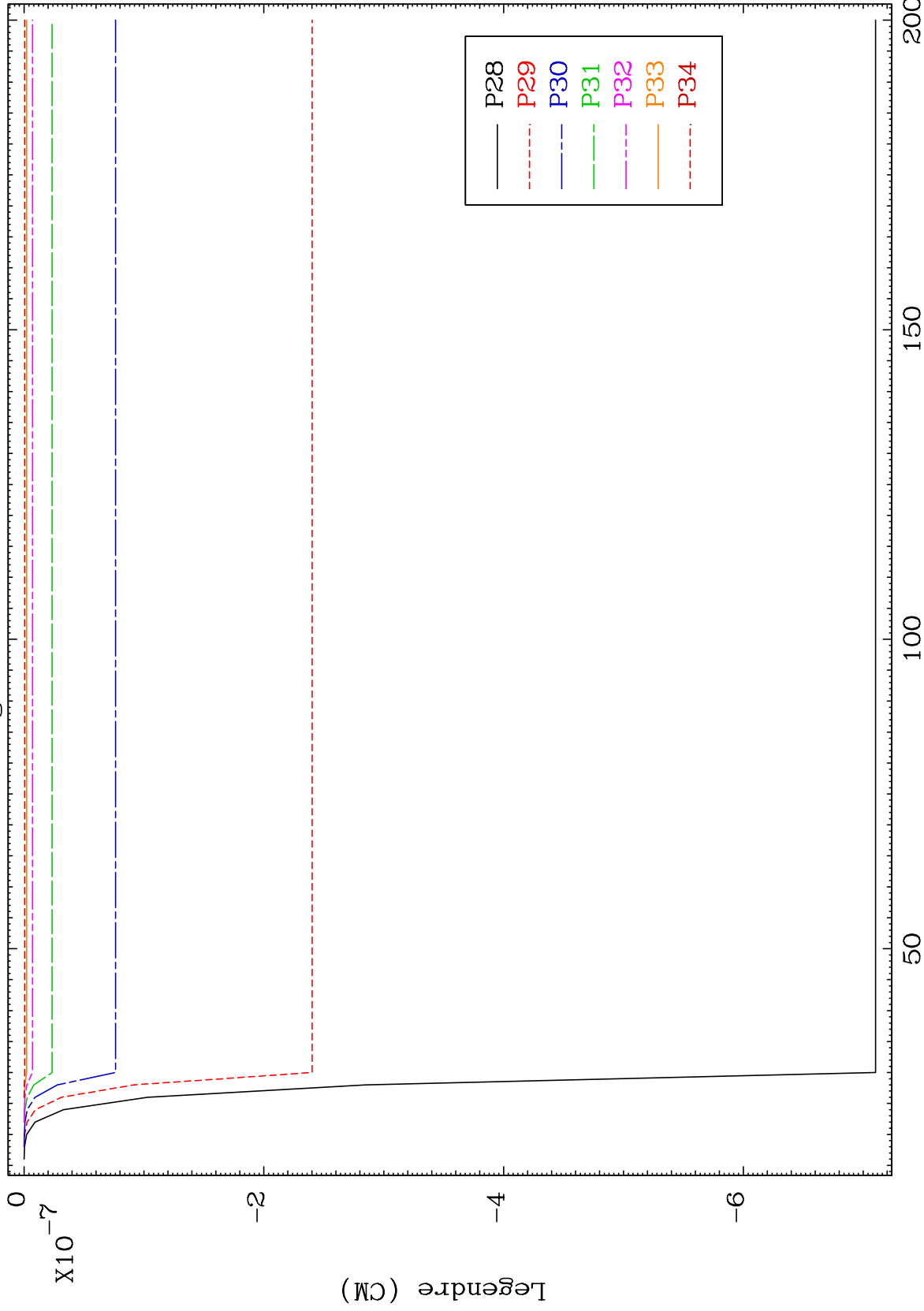
41-Nb-94



MAT 4128

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

41-Nb-94



41-Nb-94

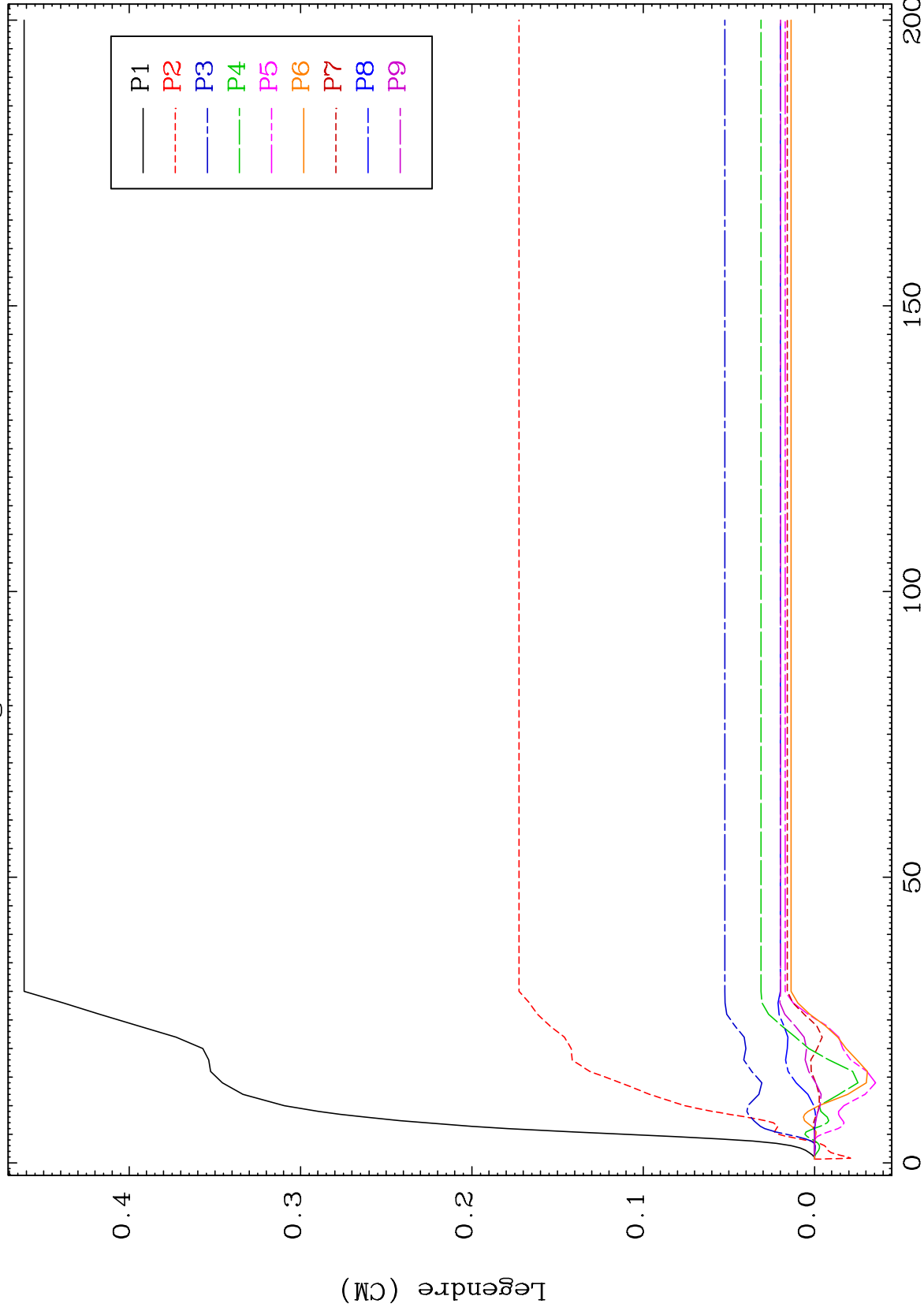
Incident Energy (MeV)

50

MAT 4128

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

41-Nb-94



51

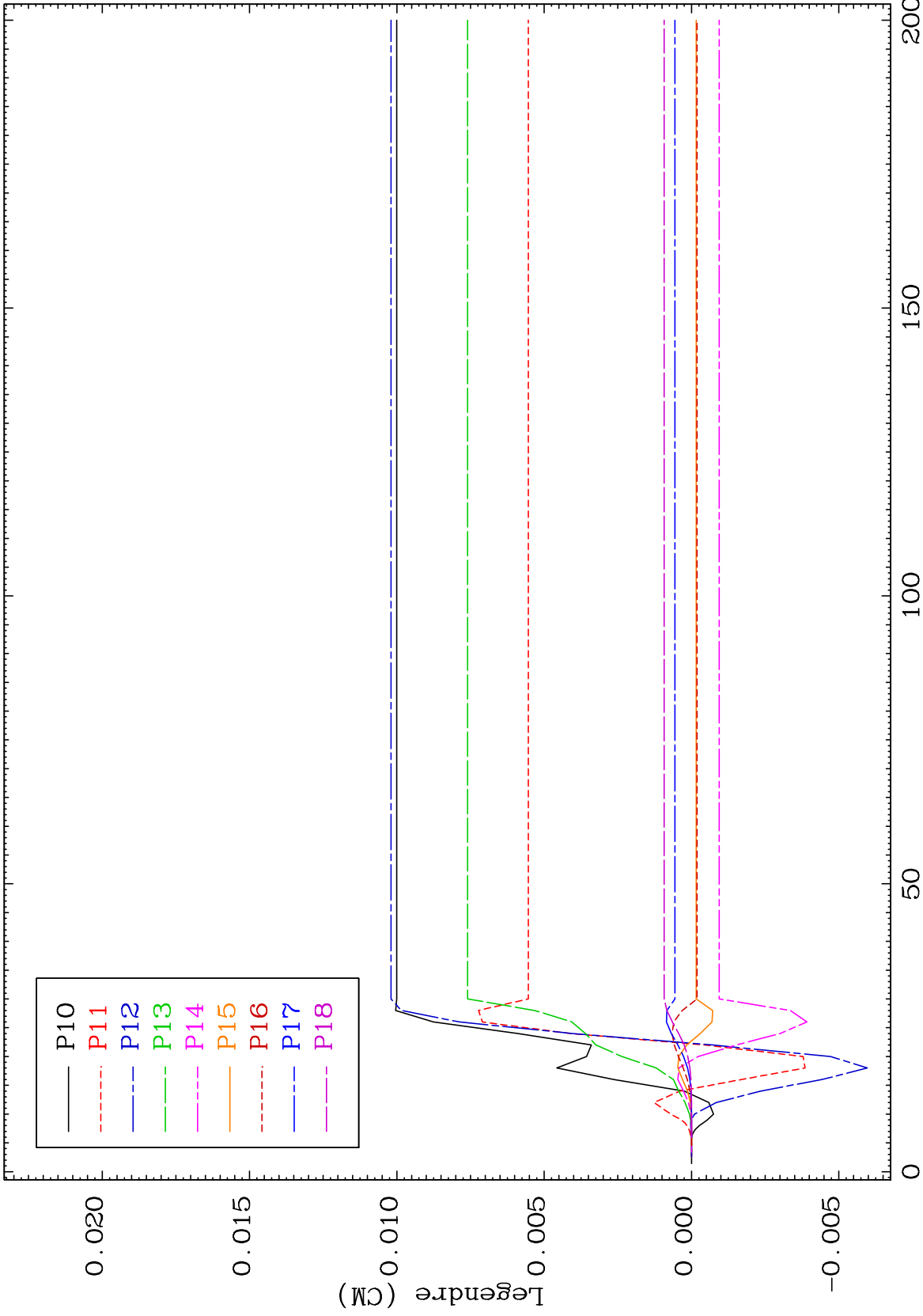
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

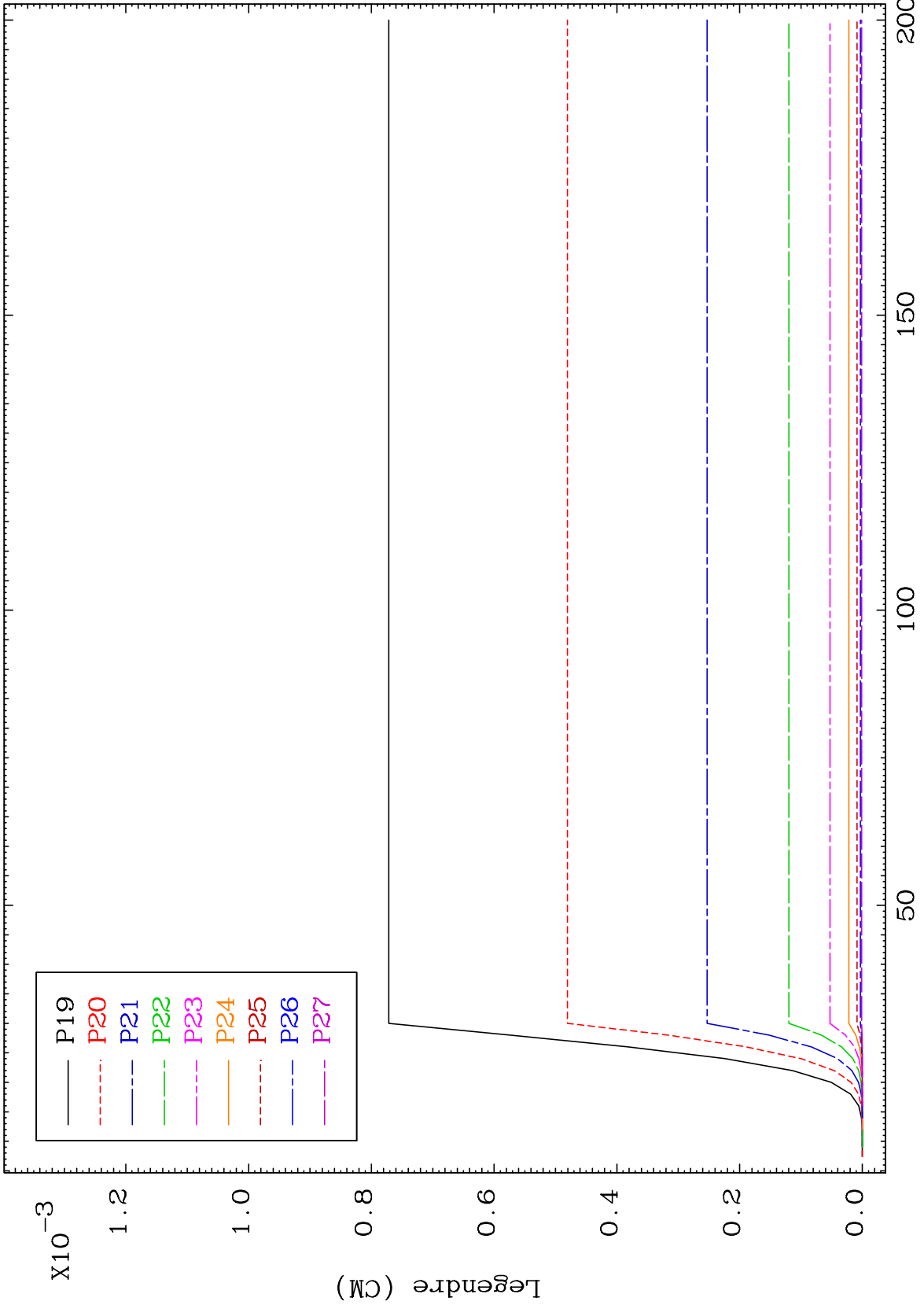
41-Nb-94



52

Incident Energy (MeV)

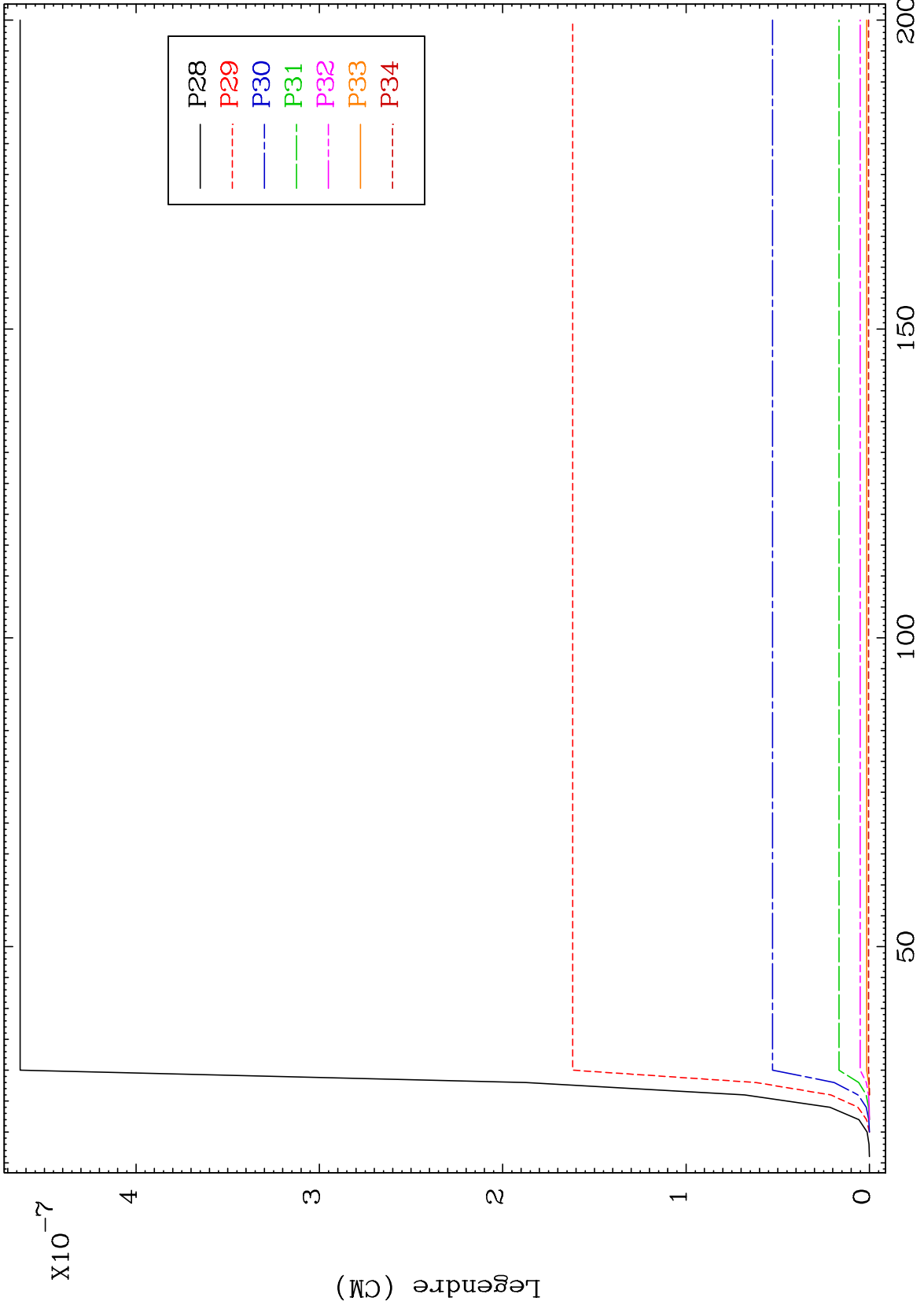
41-Nb-94



MAT 4128

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

41-Nb-94

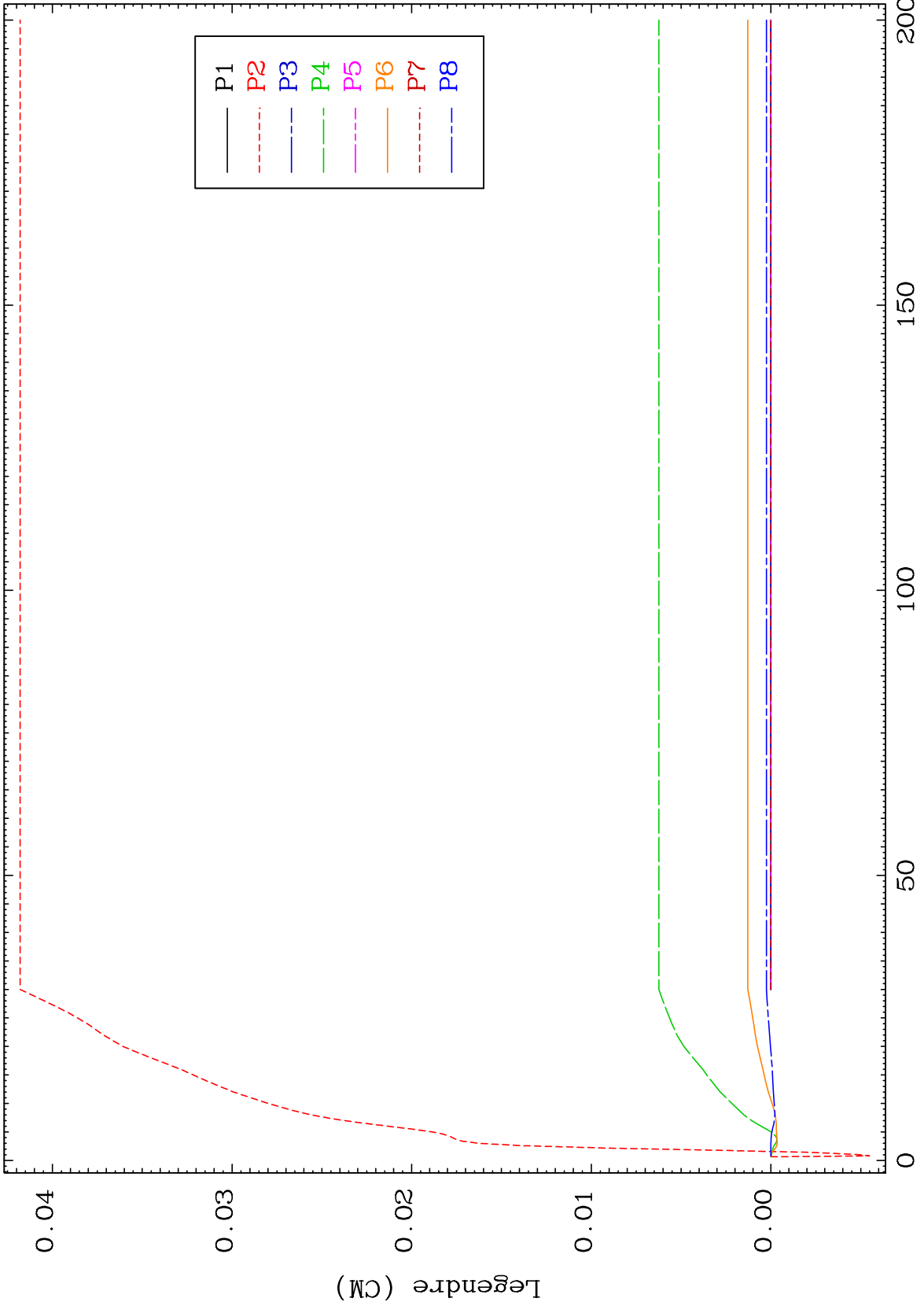


54

Incident Energy (MeV)

41-Nb-94

MAT 4128 MT= 62 (n,n') Level Legendre Coefficients 41-Nb-94



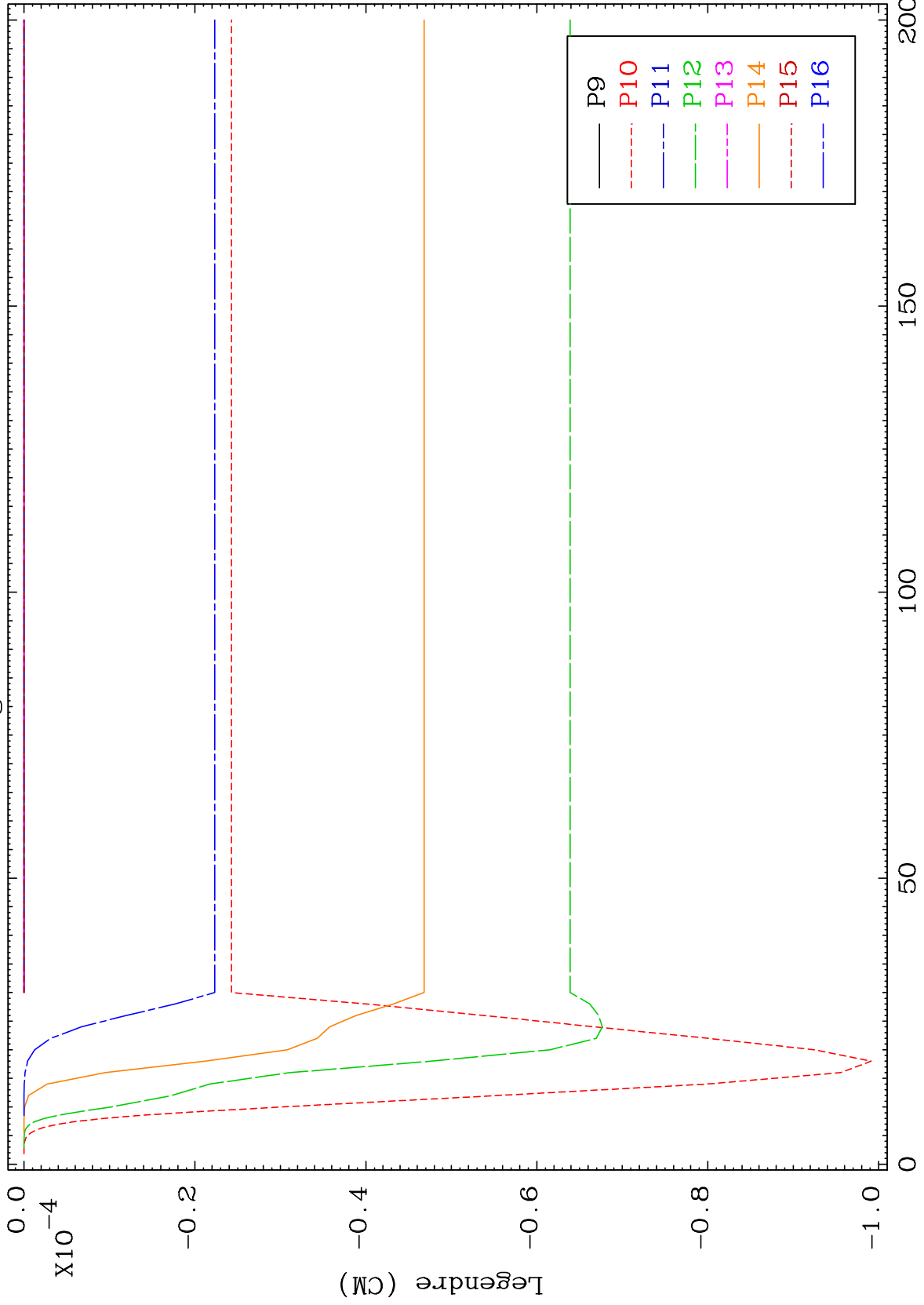
55 41-Nb-94



MAT 4128

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

41-Nb-94



56

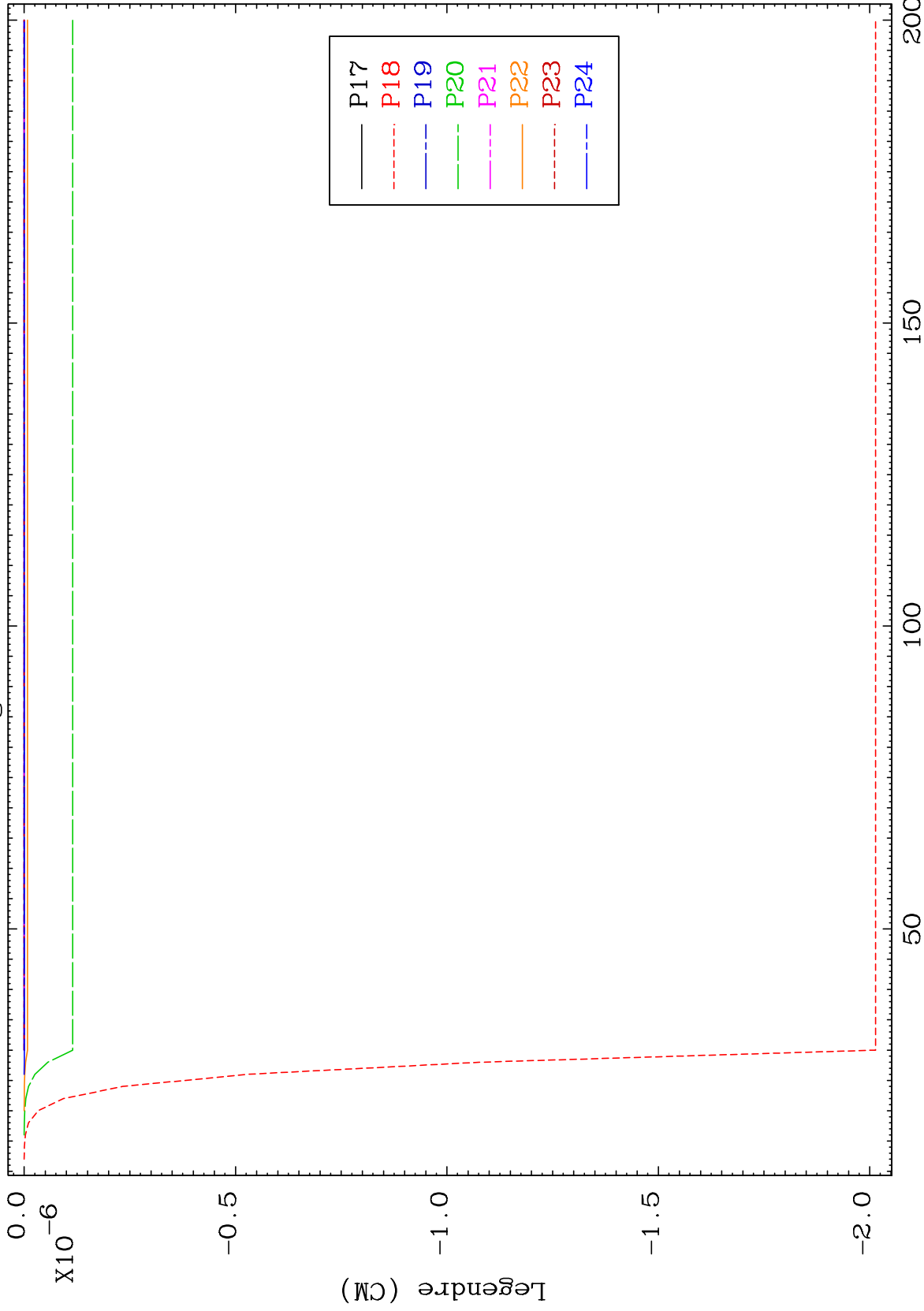
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94

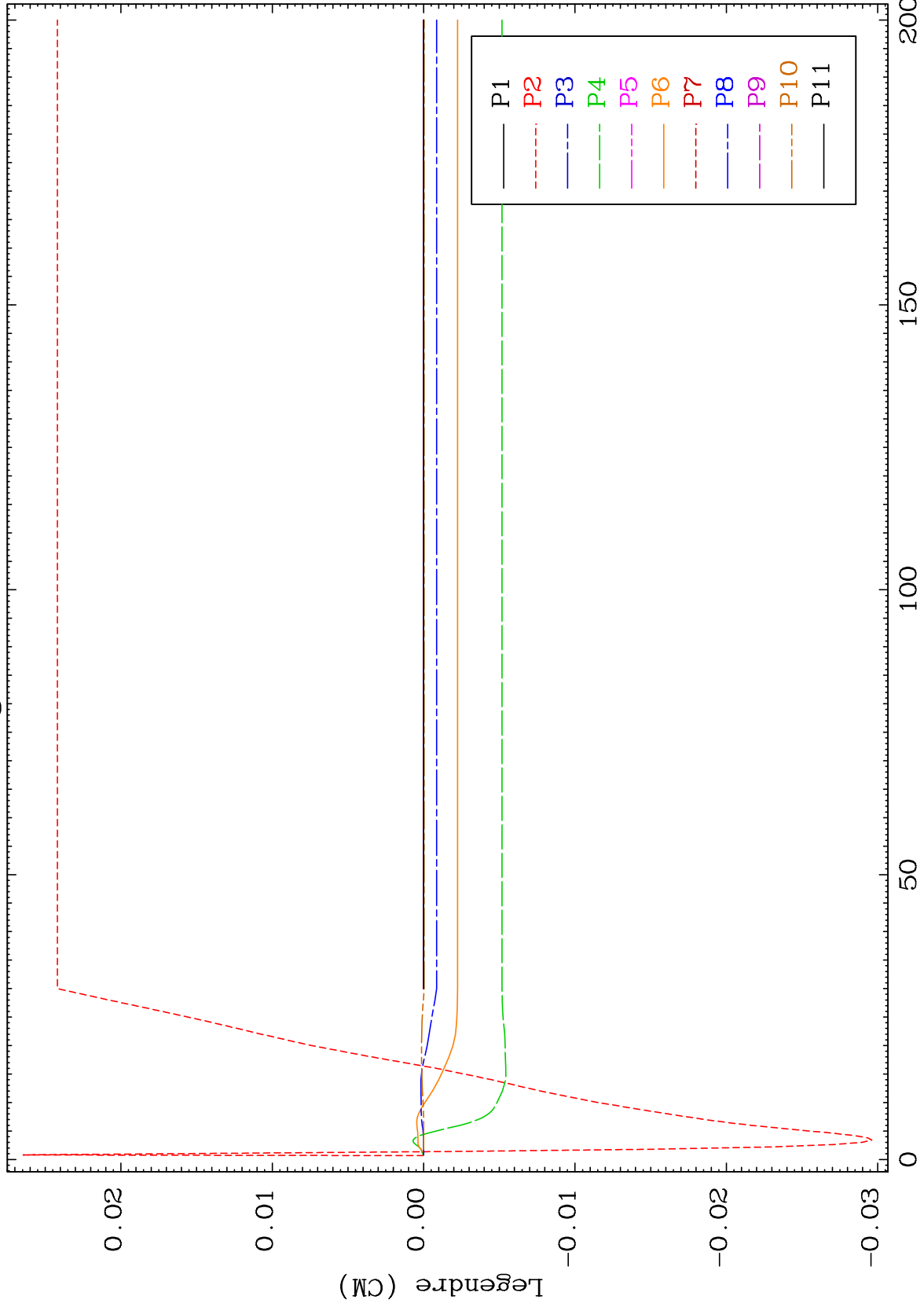


57

MAT 4128

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

41-Nb-94



58

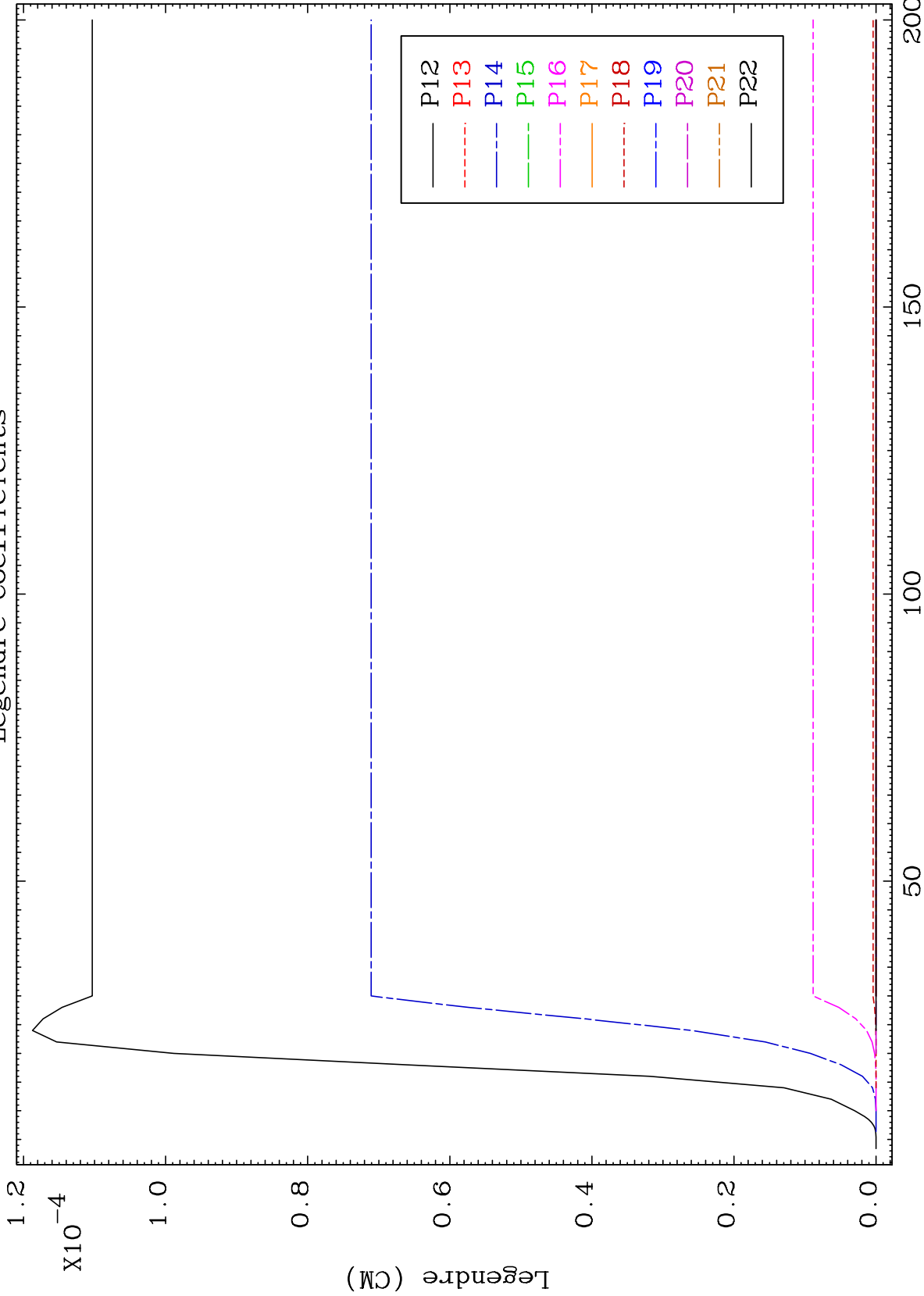
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



59

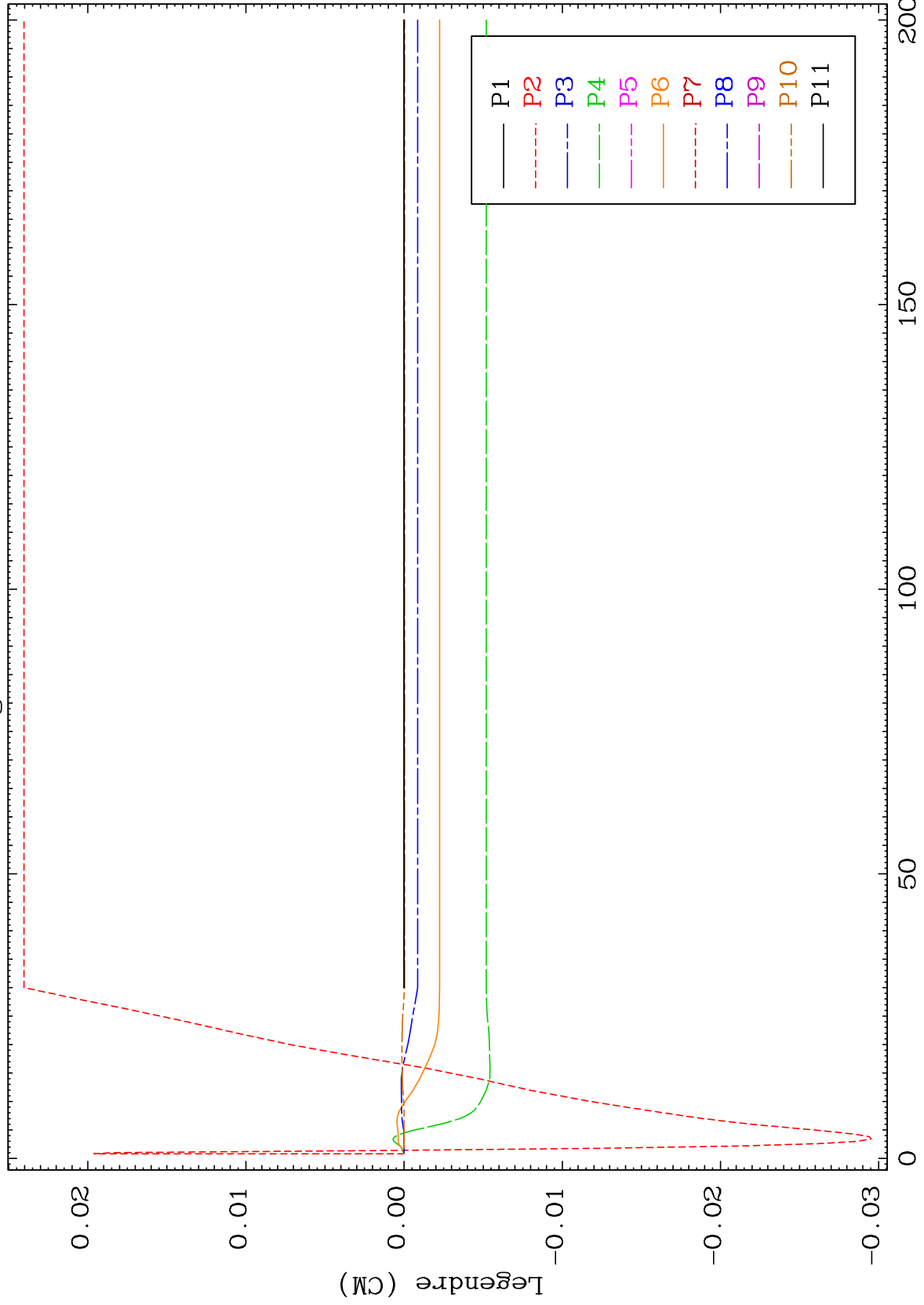
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



60

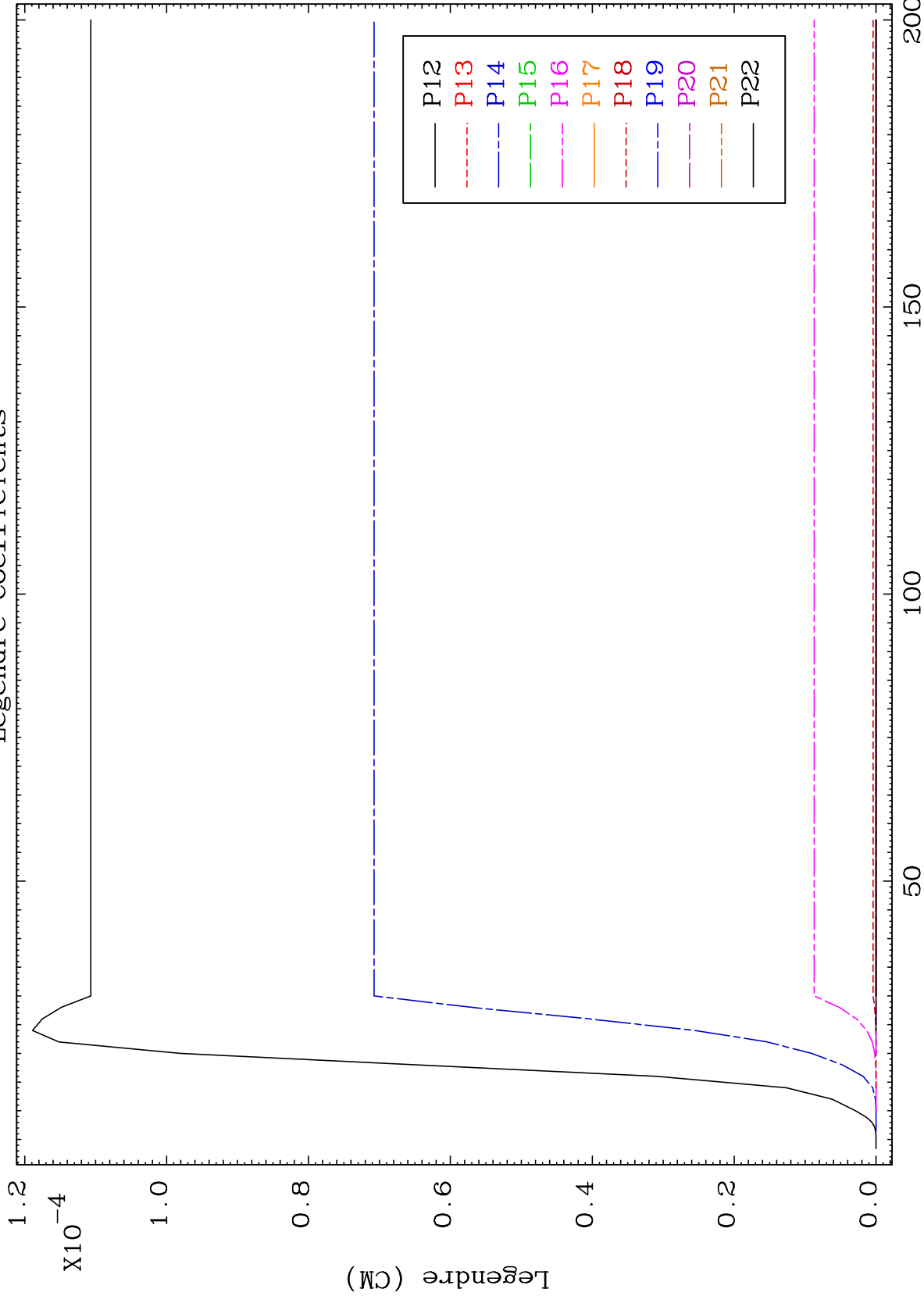
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



61

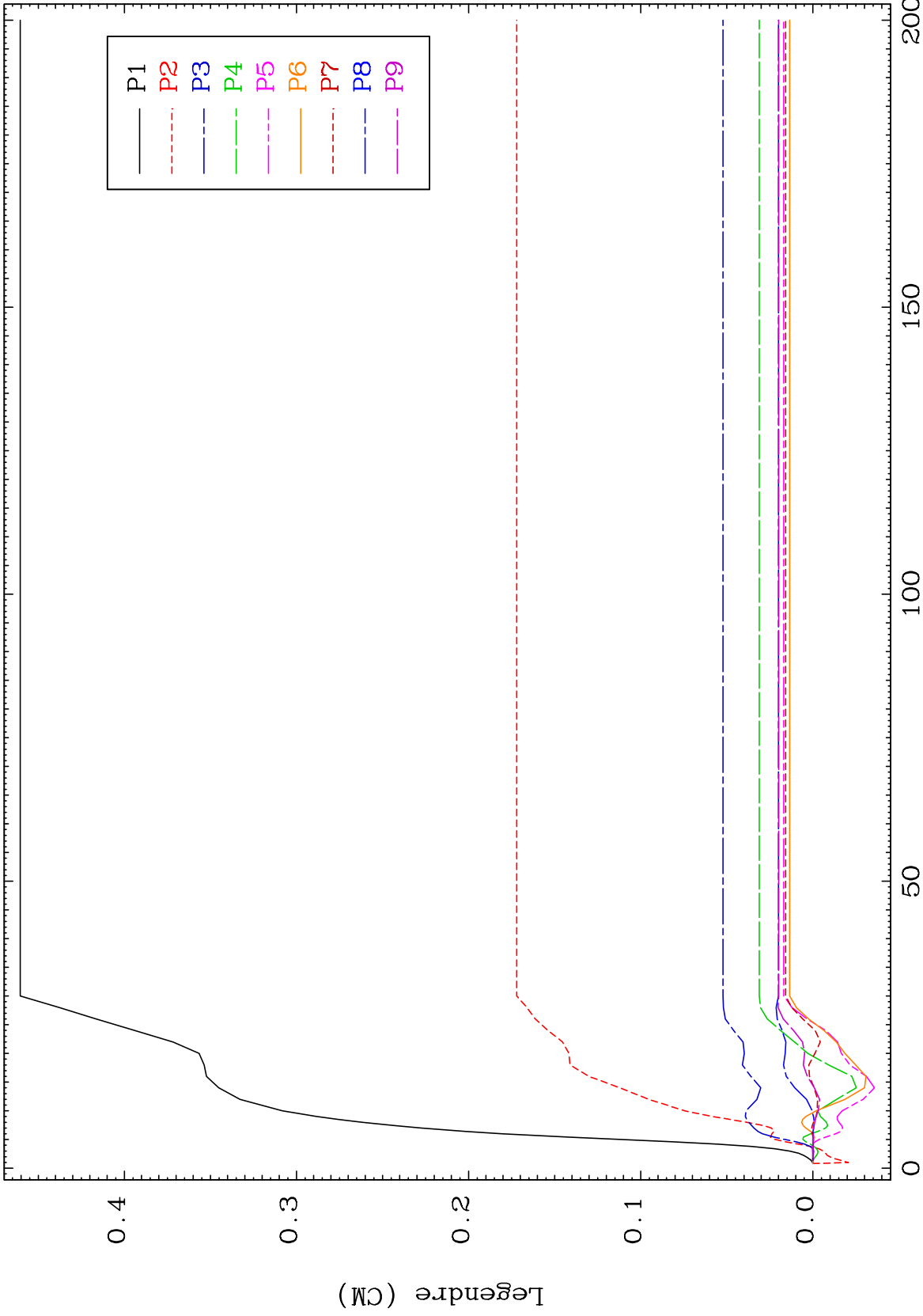
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



62

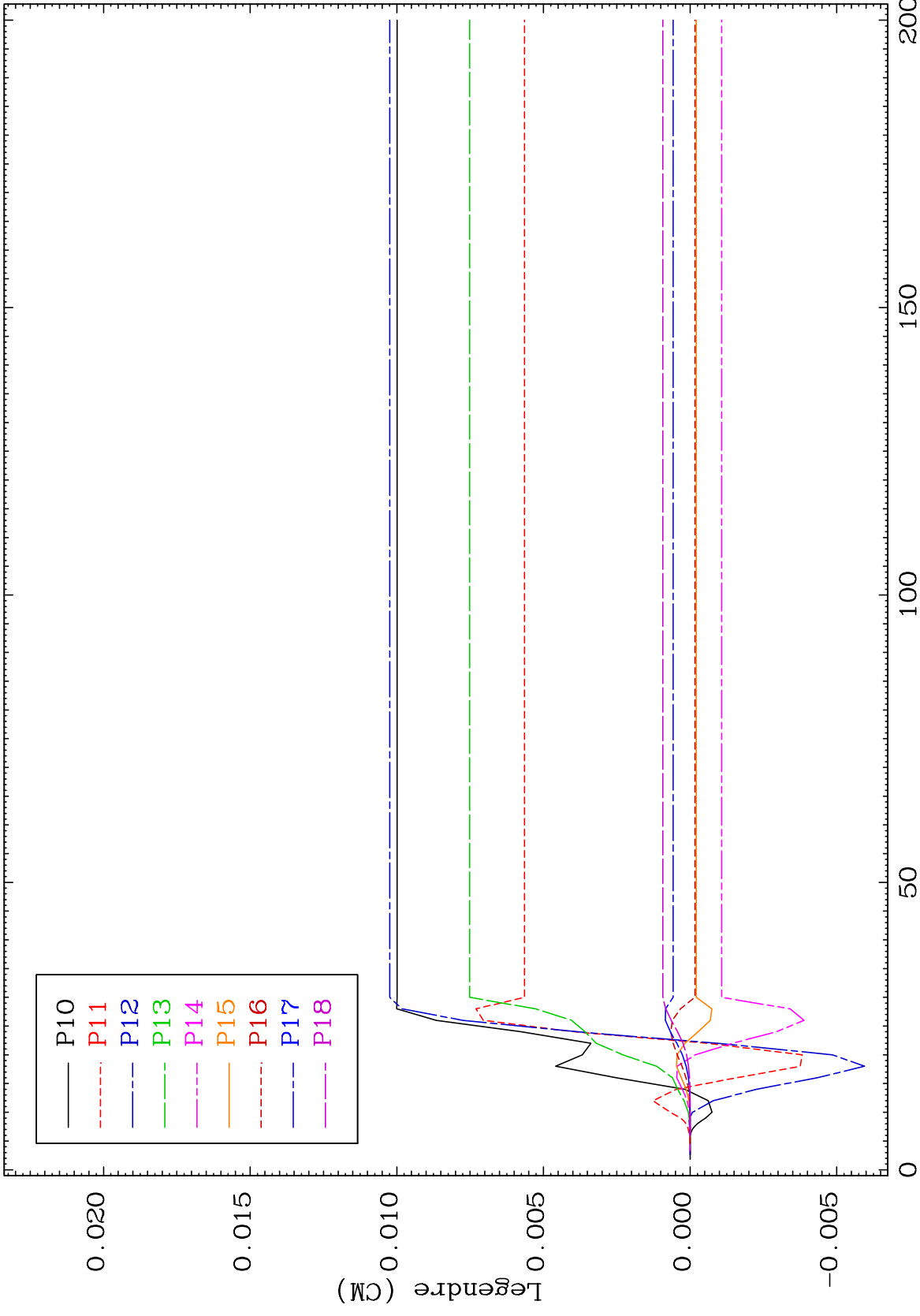
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



63

Incident Energy (MeV)

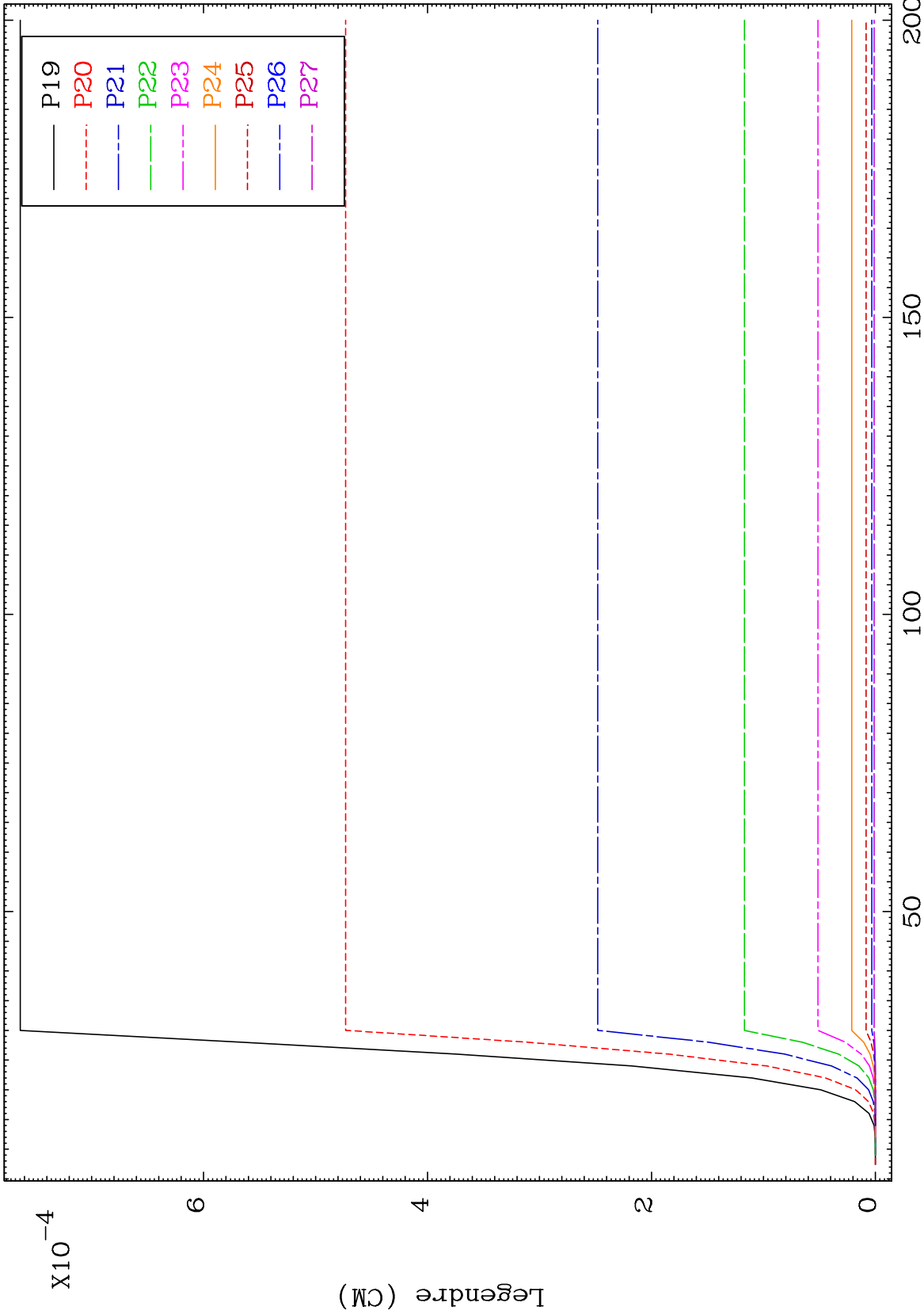
41-Nb-94



MAT 4128

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

41-Nb-94



64

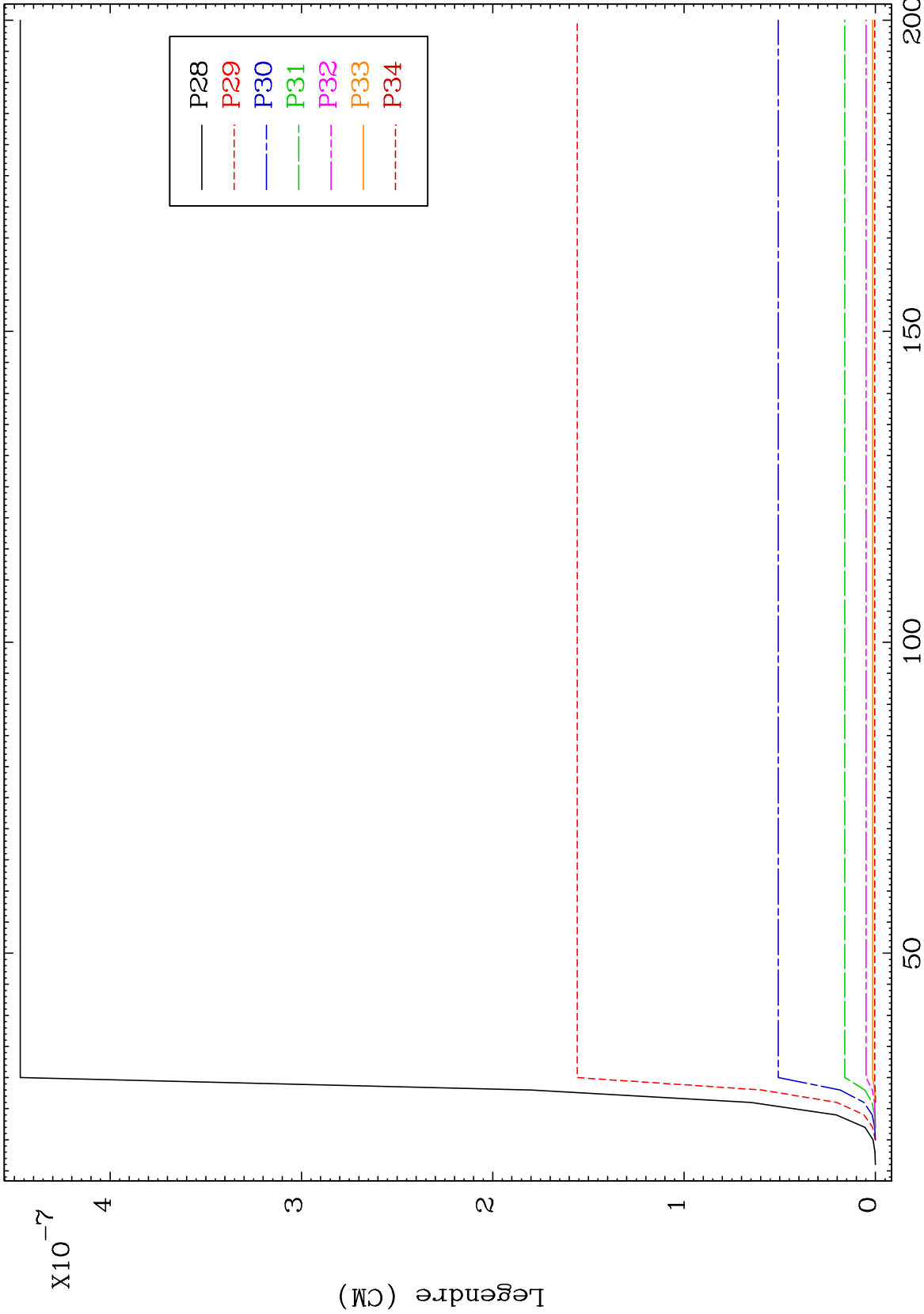
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



65

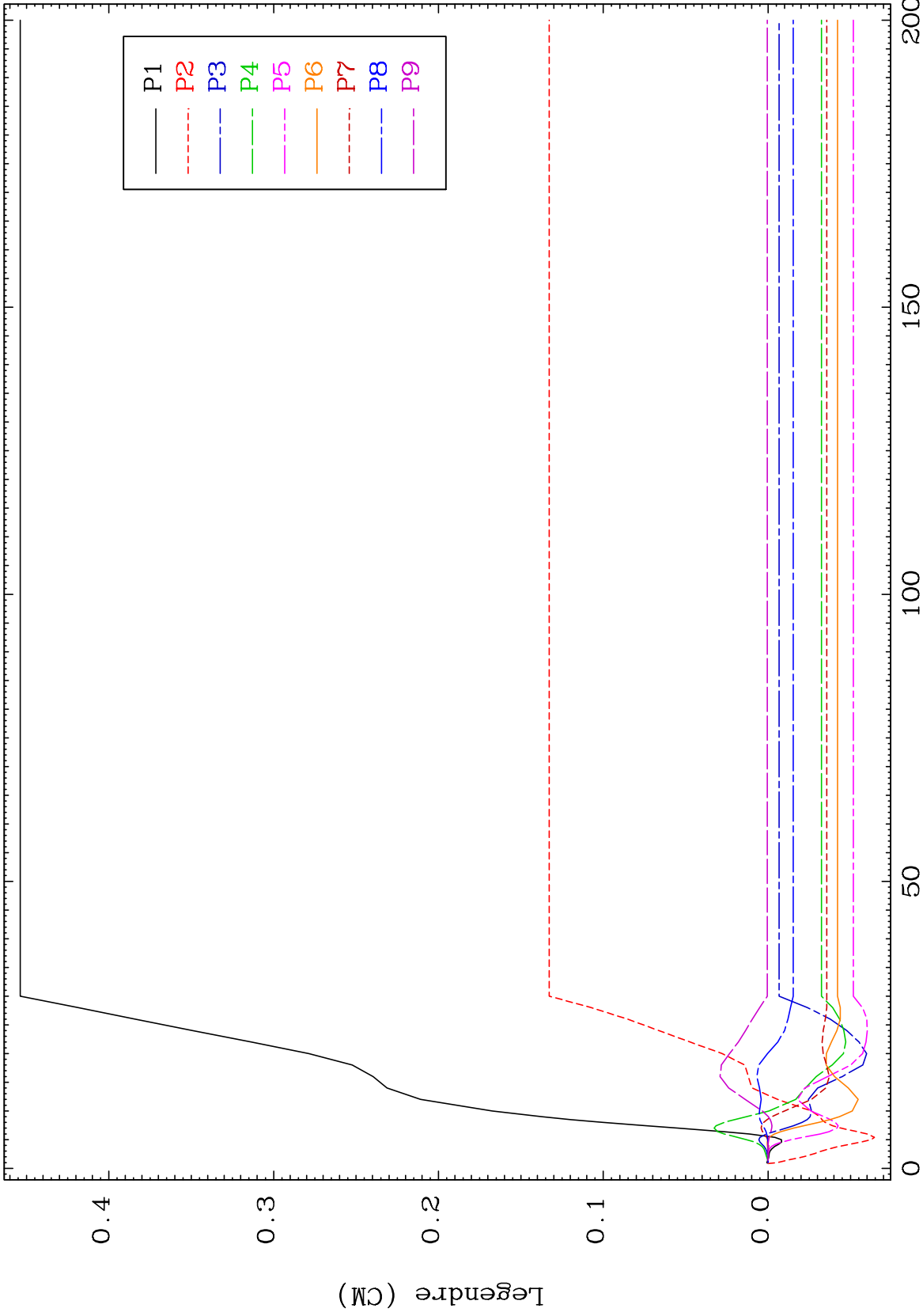
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



66

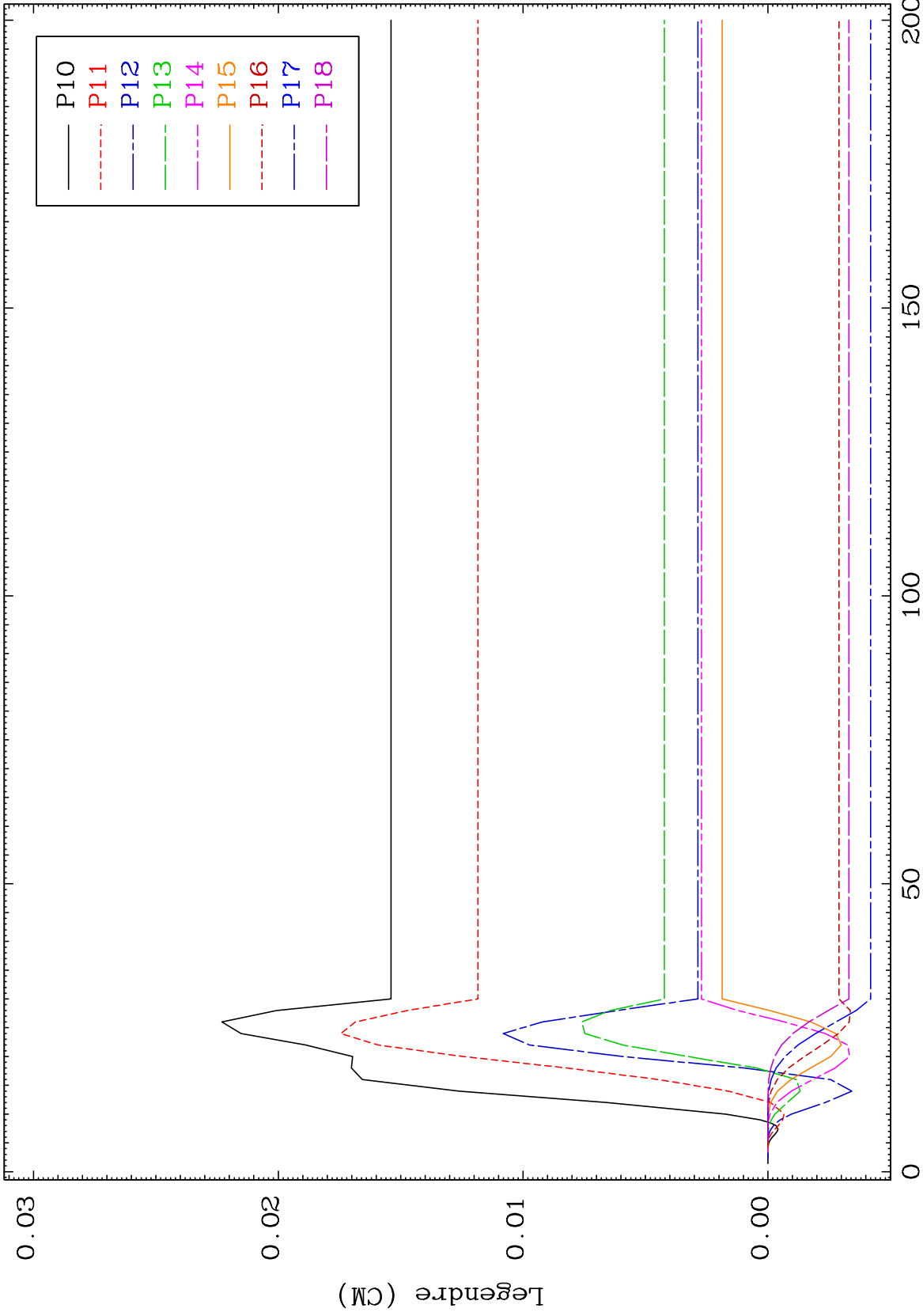
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



67

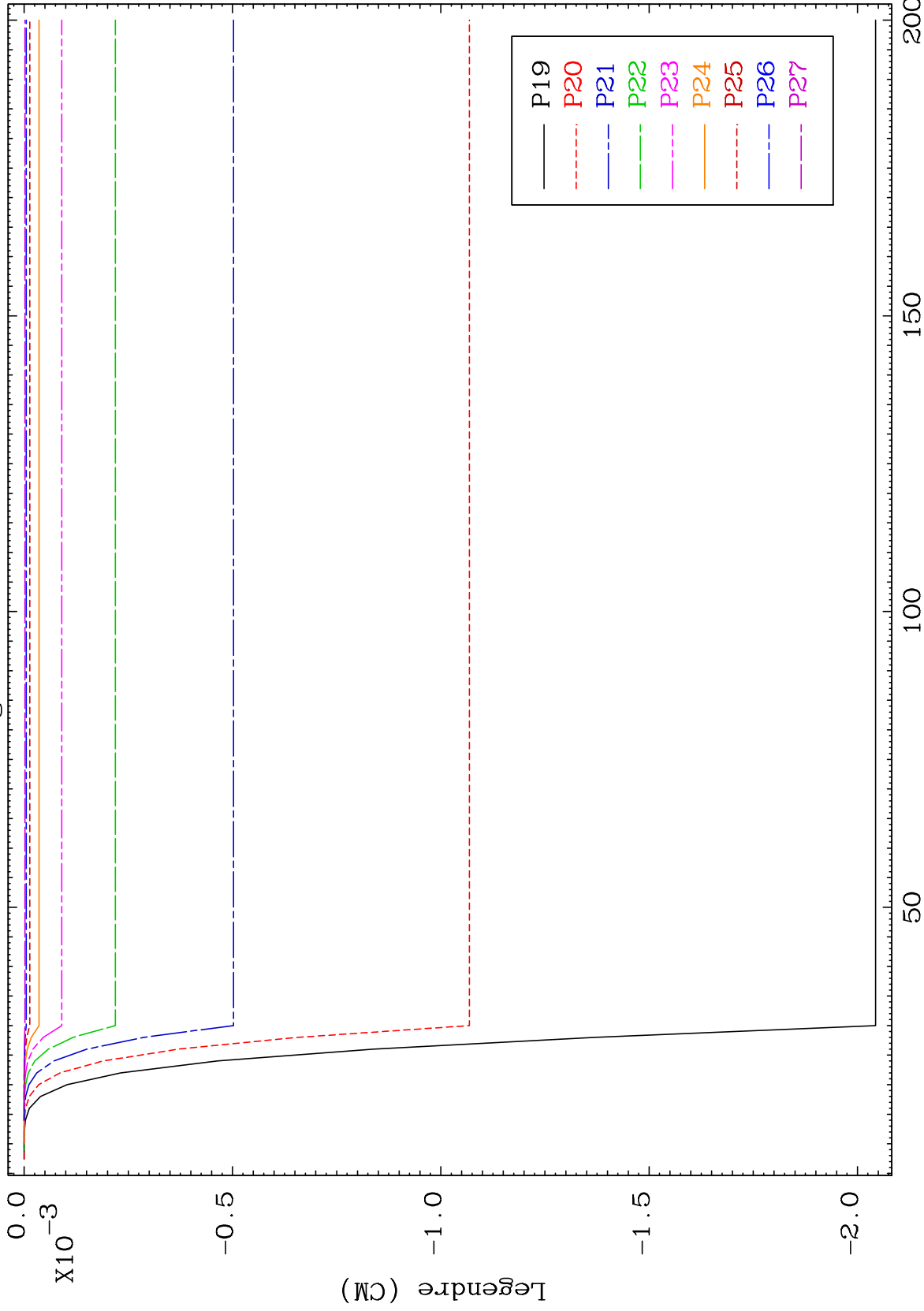
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



68

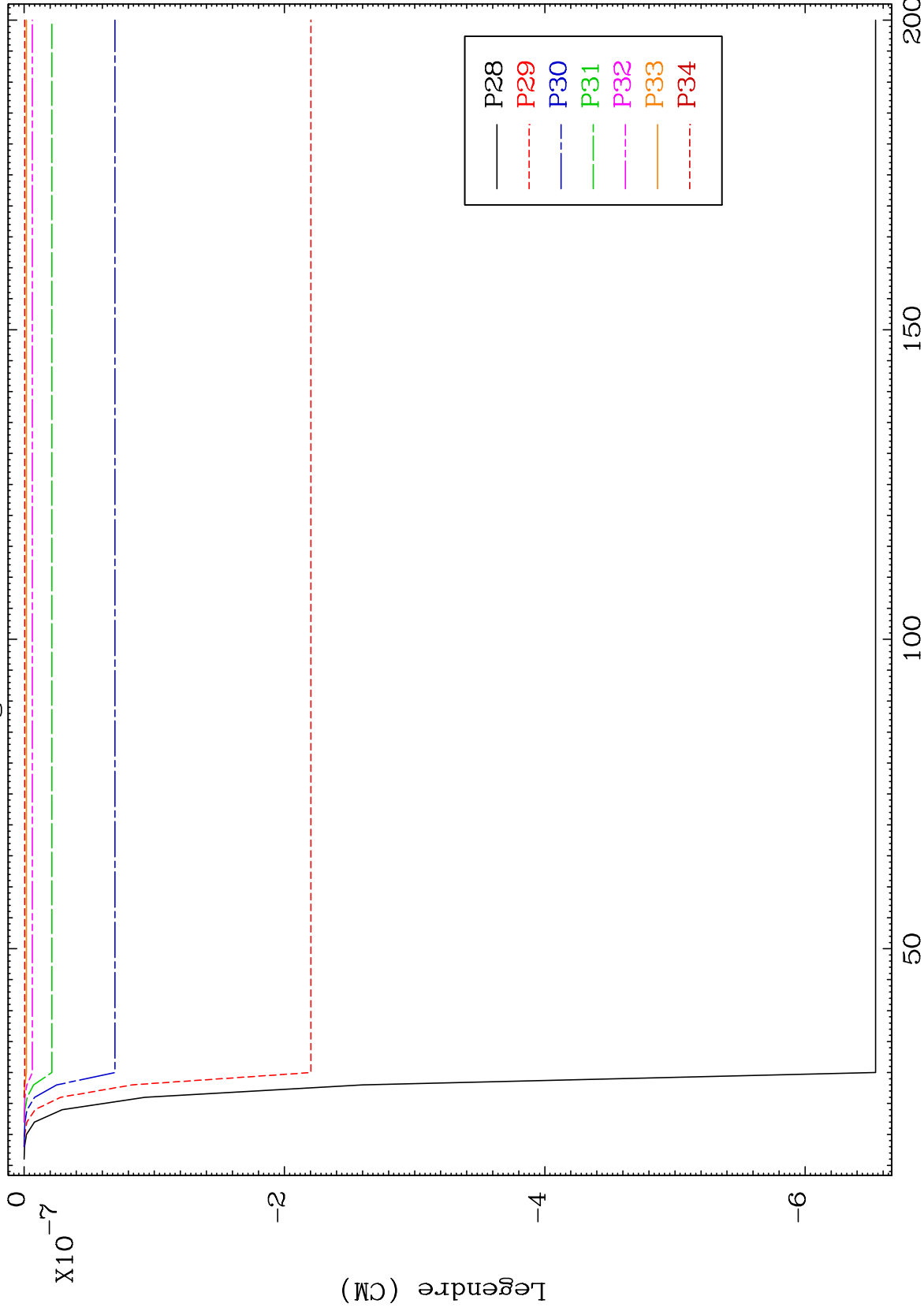
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



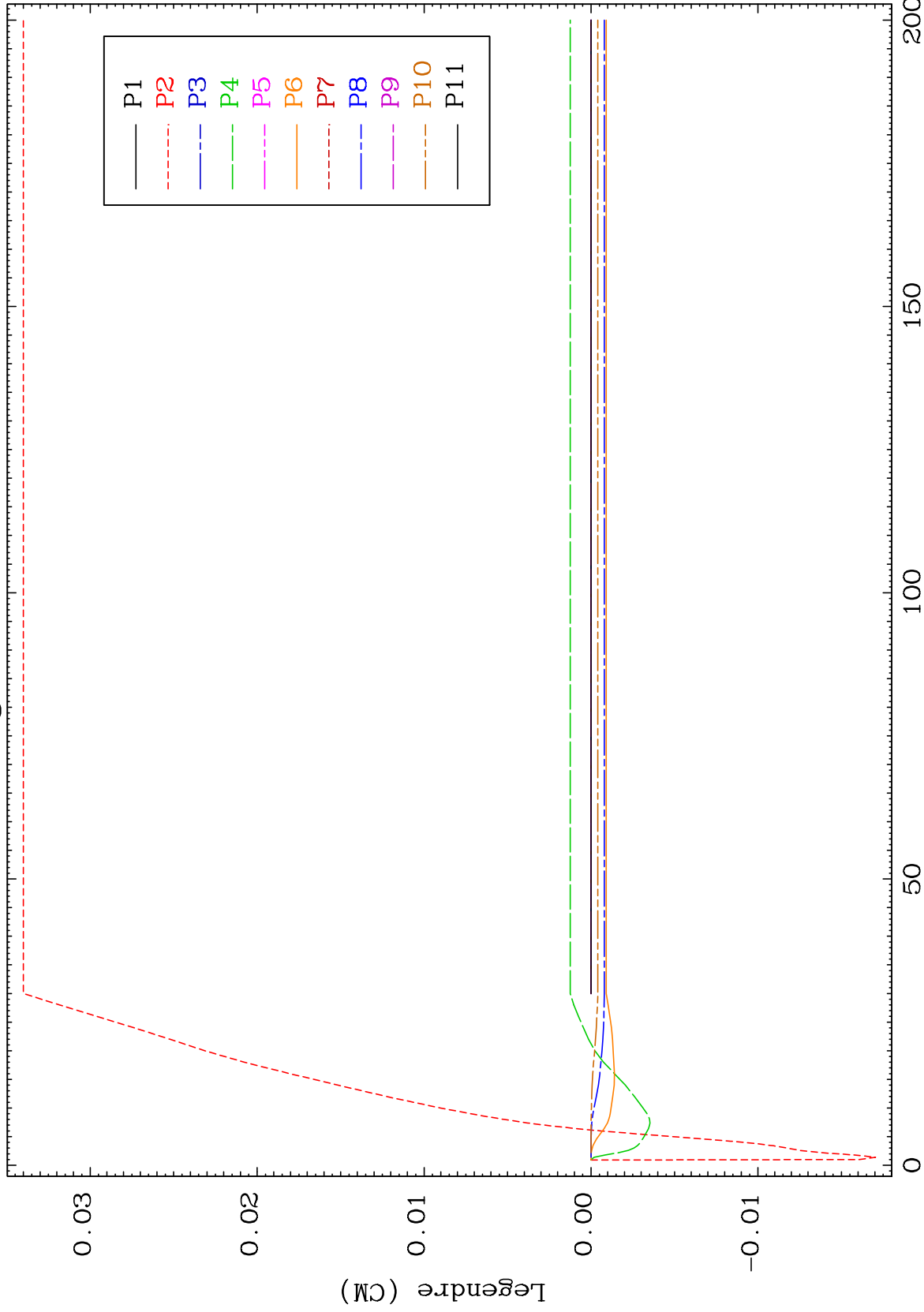
69

41-Nb-94

MAT 4128

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

41-Nb-94



70

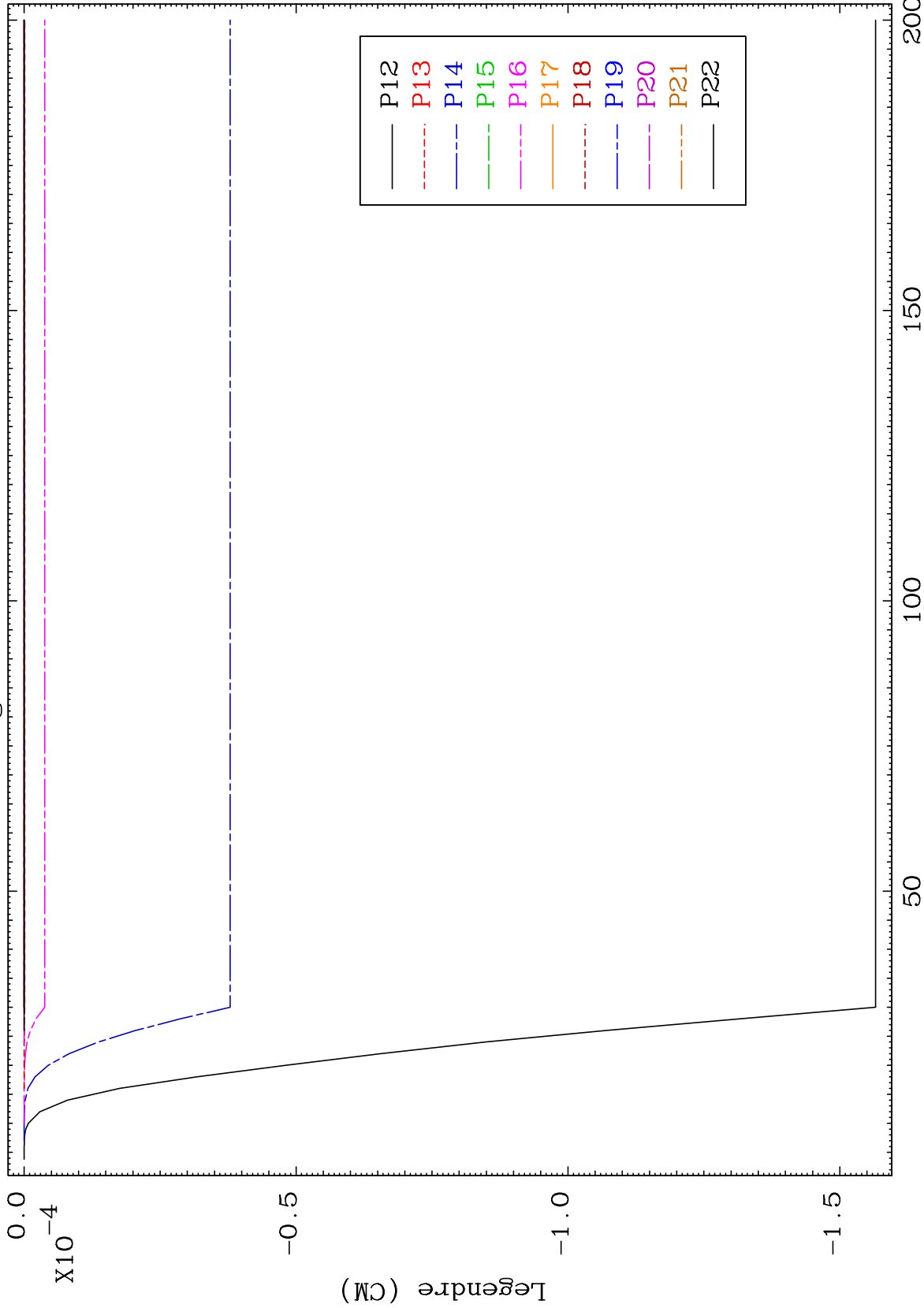
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



71

Incident Energy (MeV)

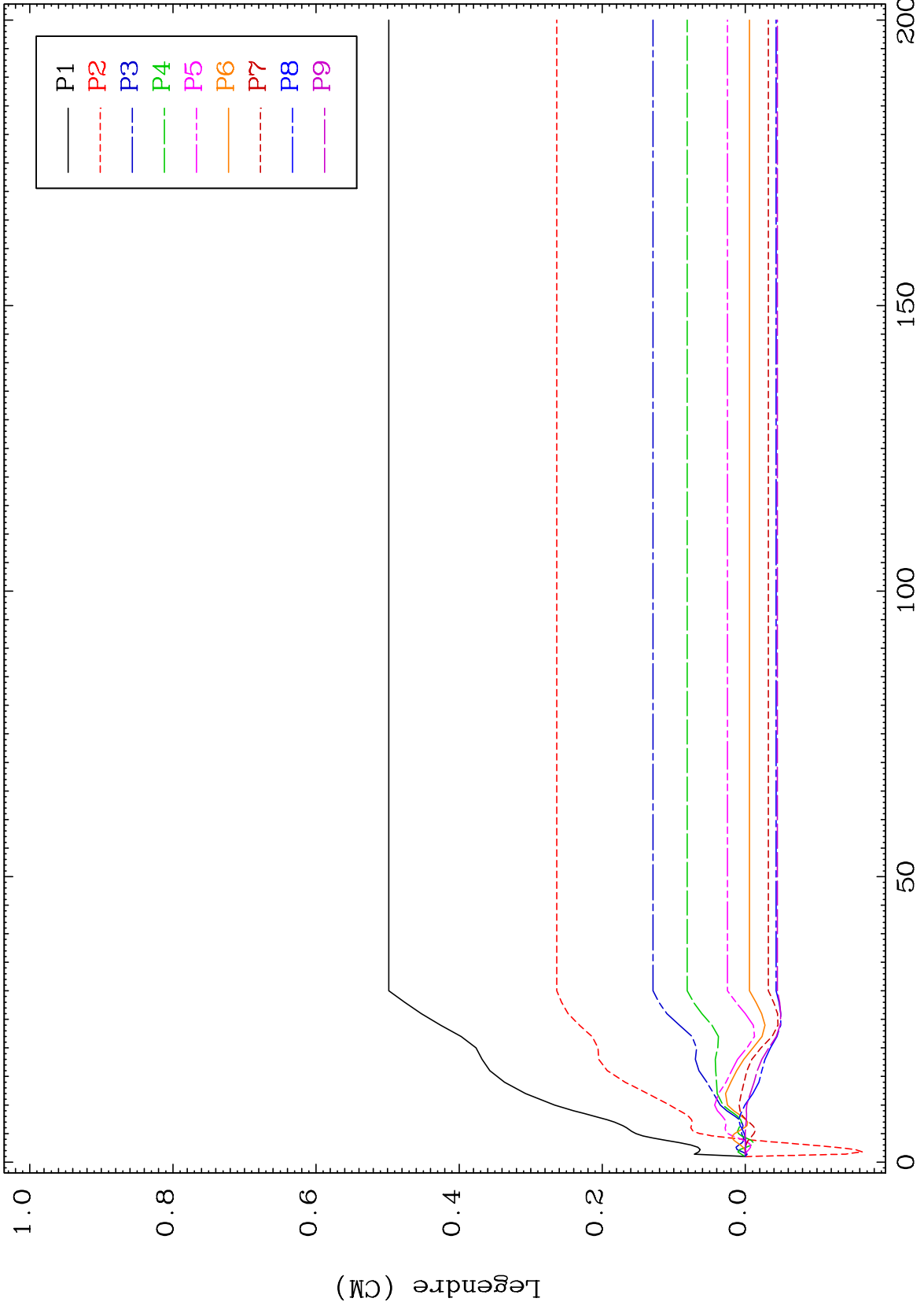
41-Nb-94



MAT 4128

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

41-Nb-94



72

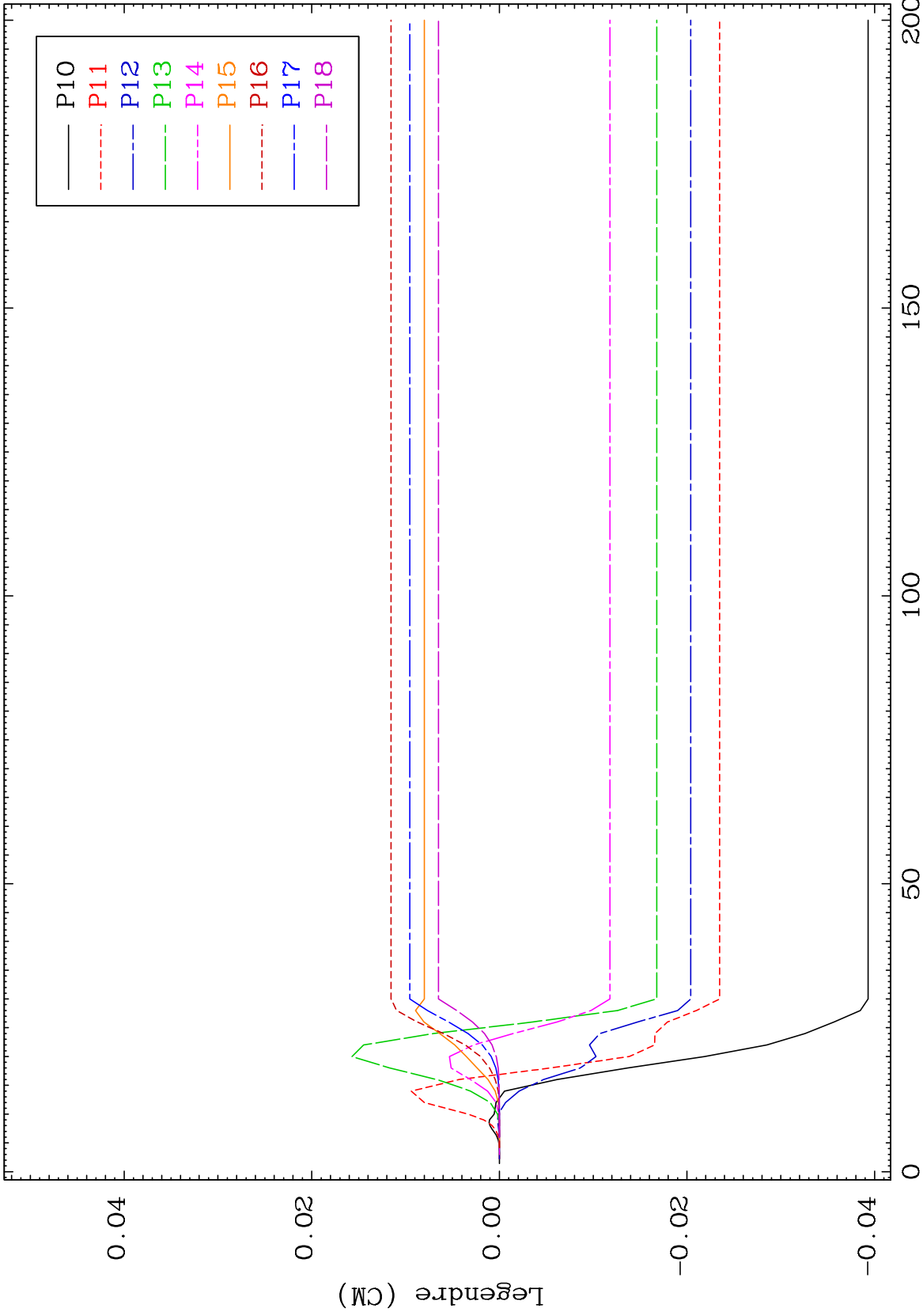
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



73

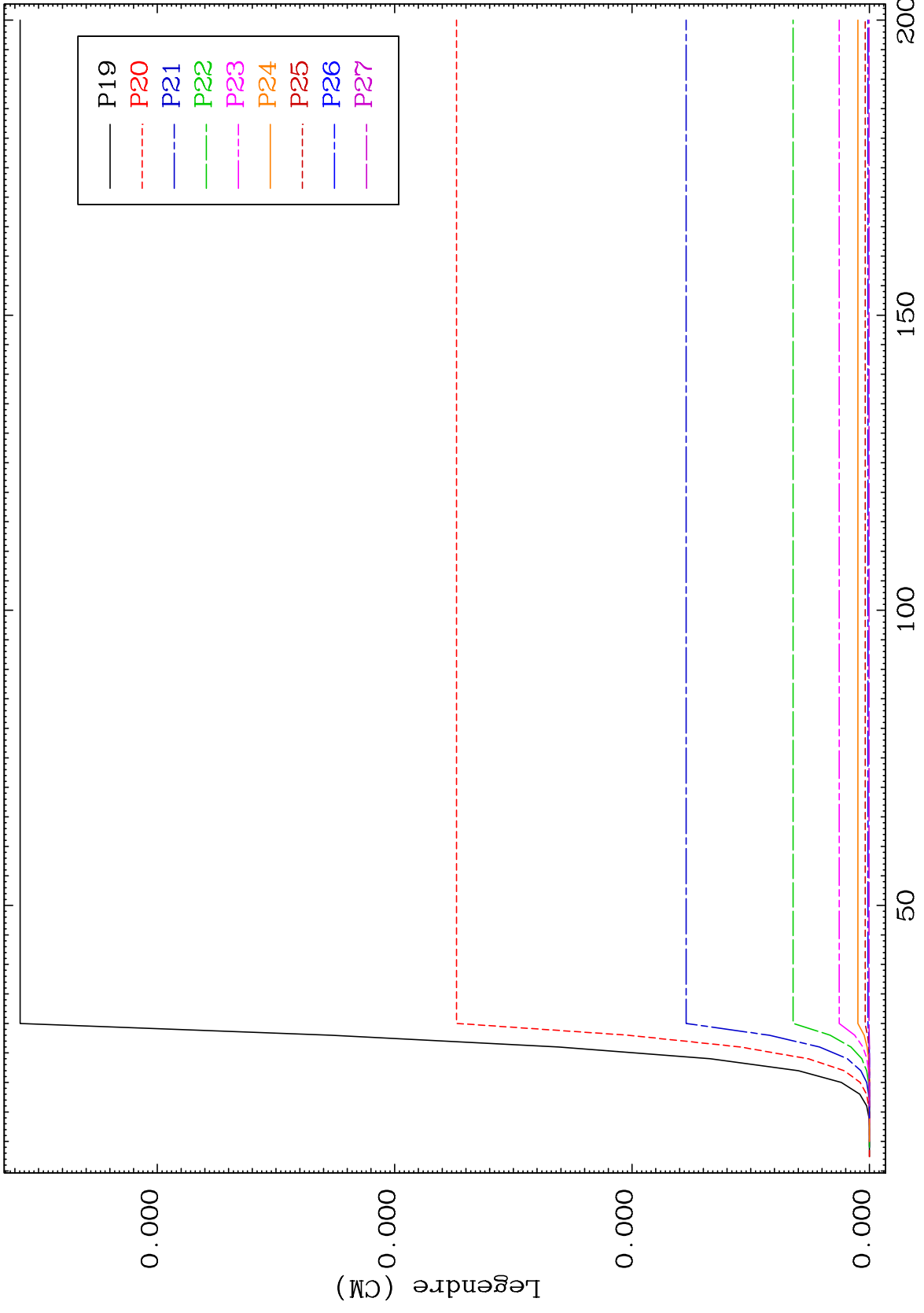
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



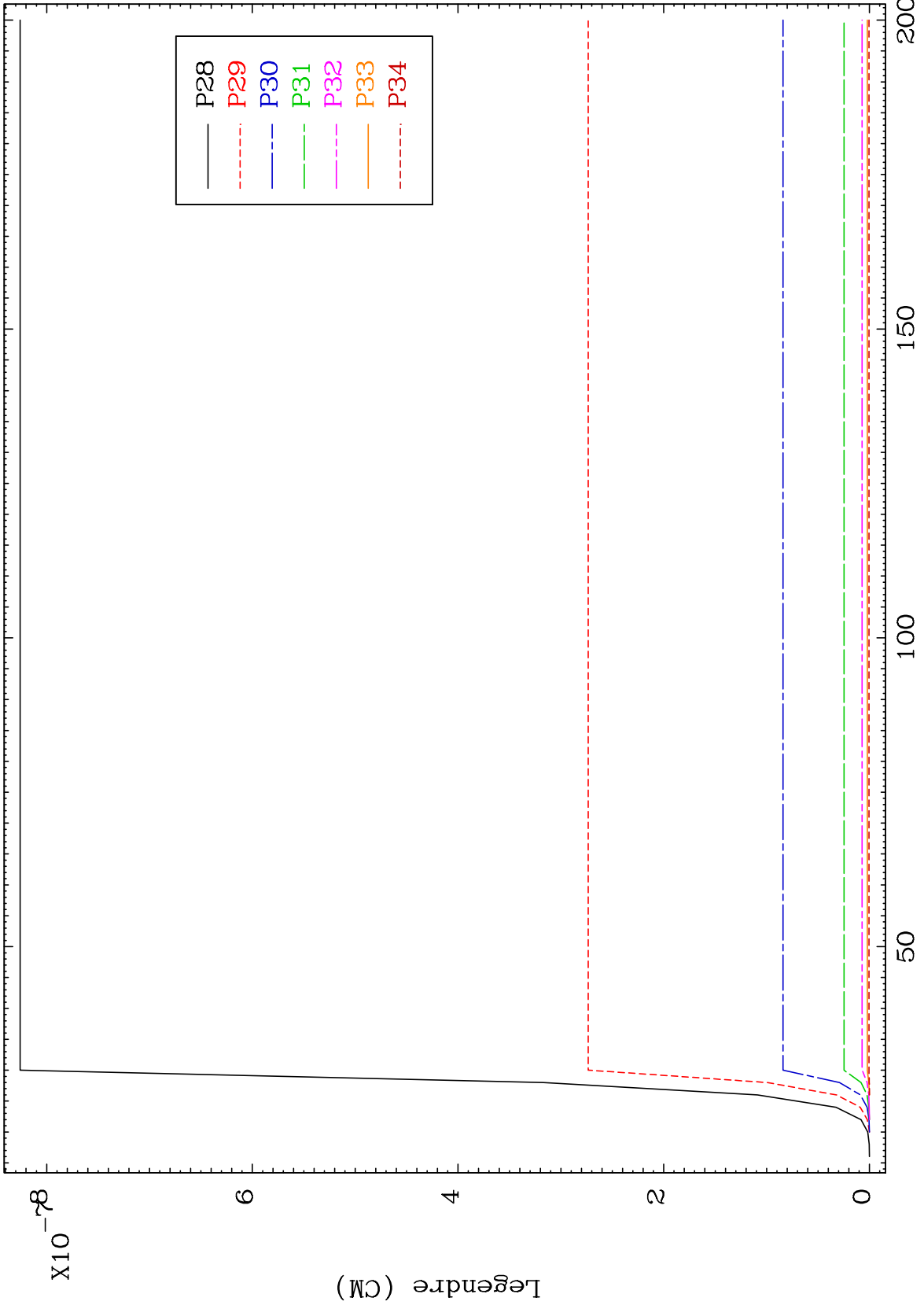
74

41-Nb-94

MAT 4128

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

41-Nb-94

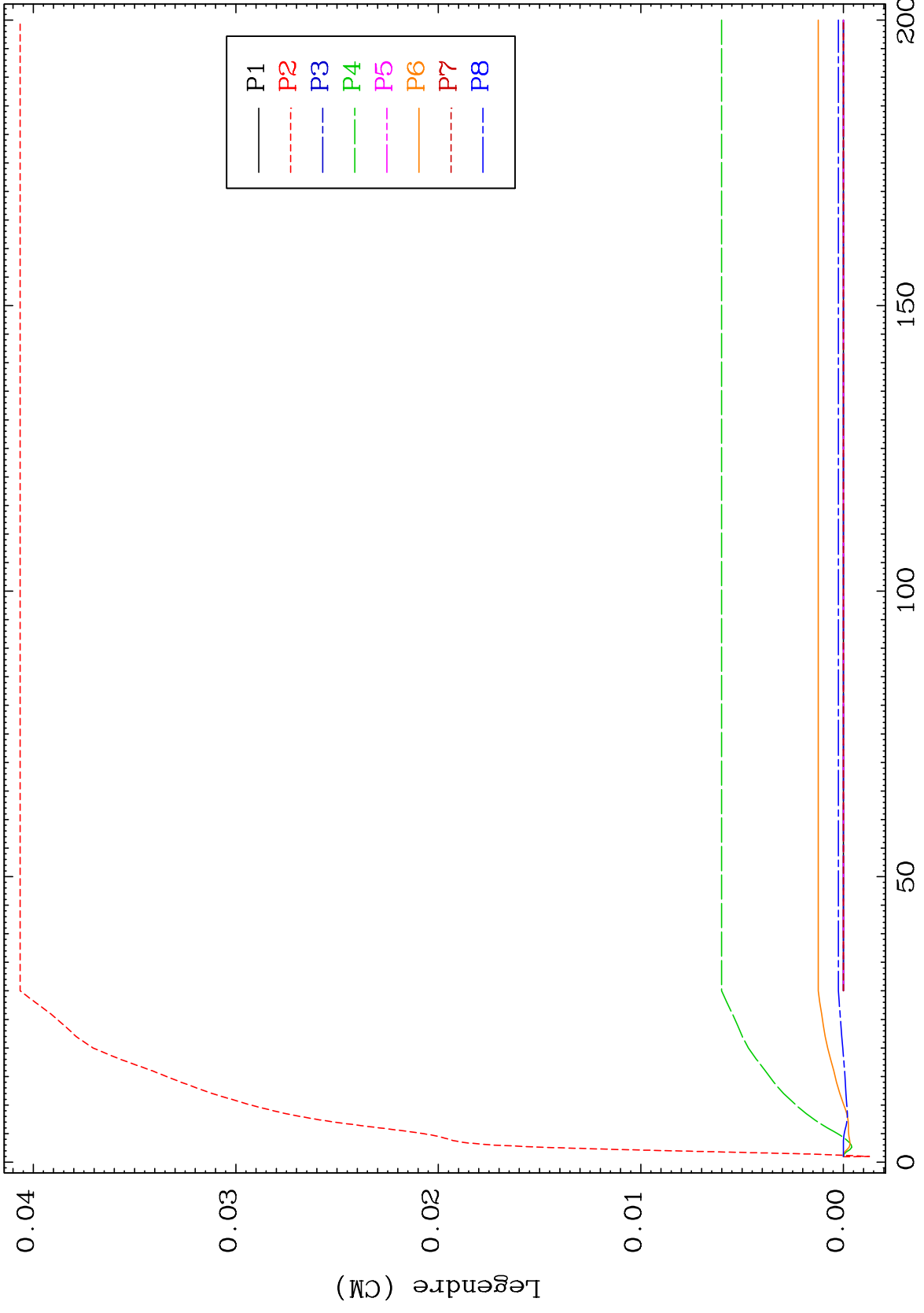


75

Incident Energy (MeV)

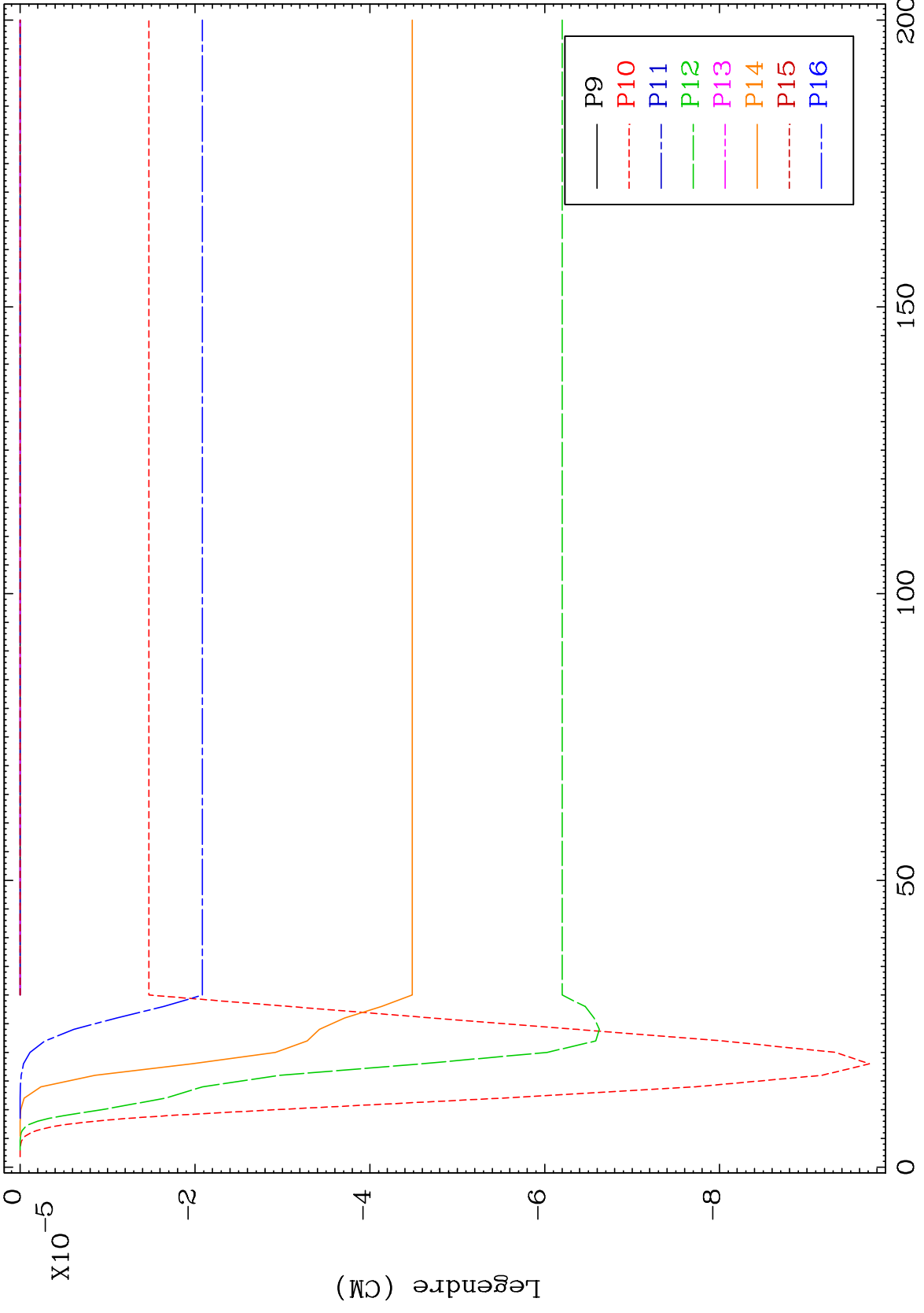
41-Nb-94

MAT 4128 MT= 69 (n,n') Level Legendre Coefficients 41-Nb-94



76 41-Nb-94

MAT 4128 MT= 69 (n,n') Level Legendre Coefficients 41-Nb-94

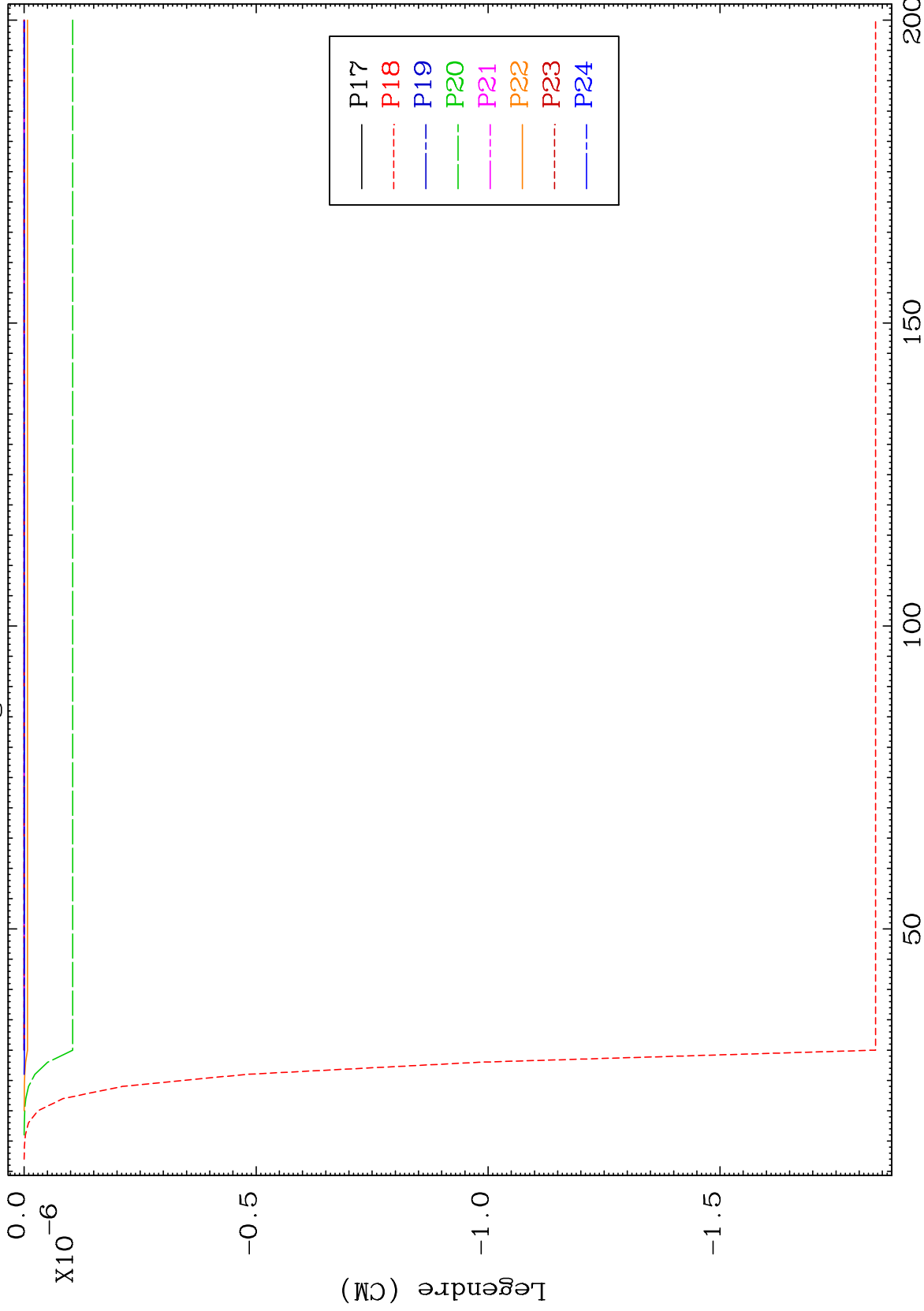


77 41-Nb-94

MAT 4128

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

41-Nb-94



41-Nb-94

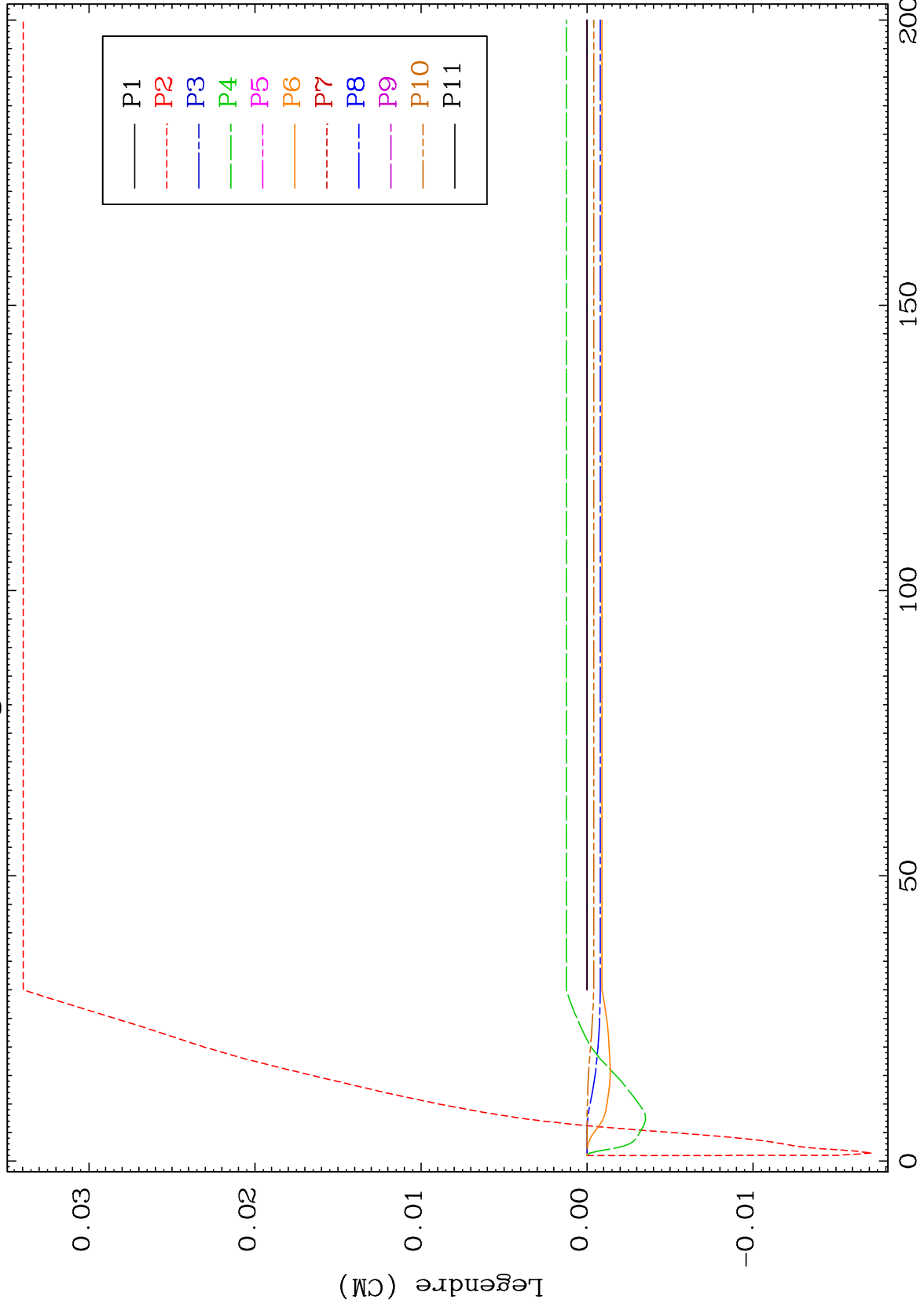
Incident Energy (MeV)

78

MAT 4128

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

41-Nb-94



79

Incident Energy (MeV)

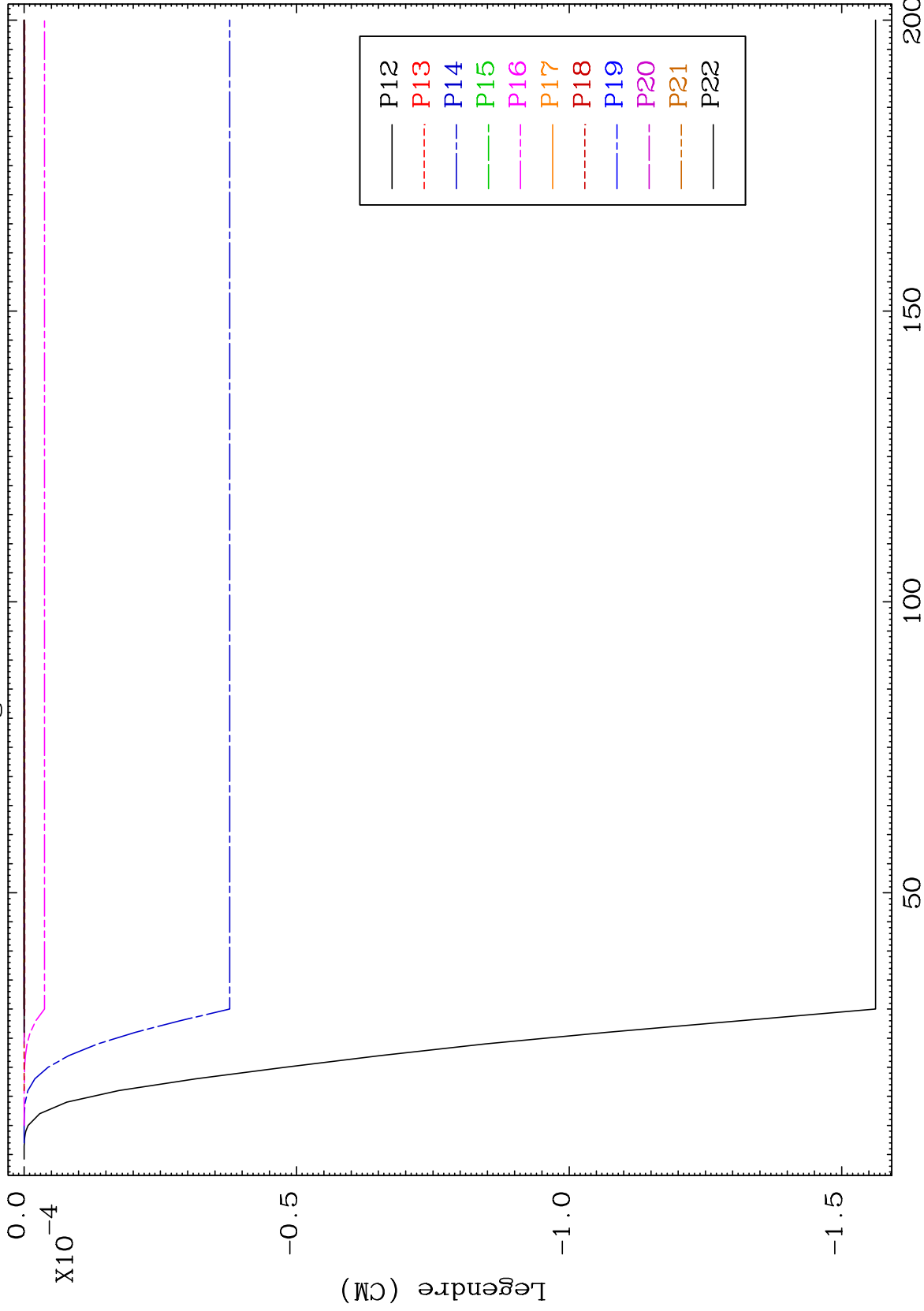
41-Nb-94



MAT 4128

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

41-Nb-94



80

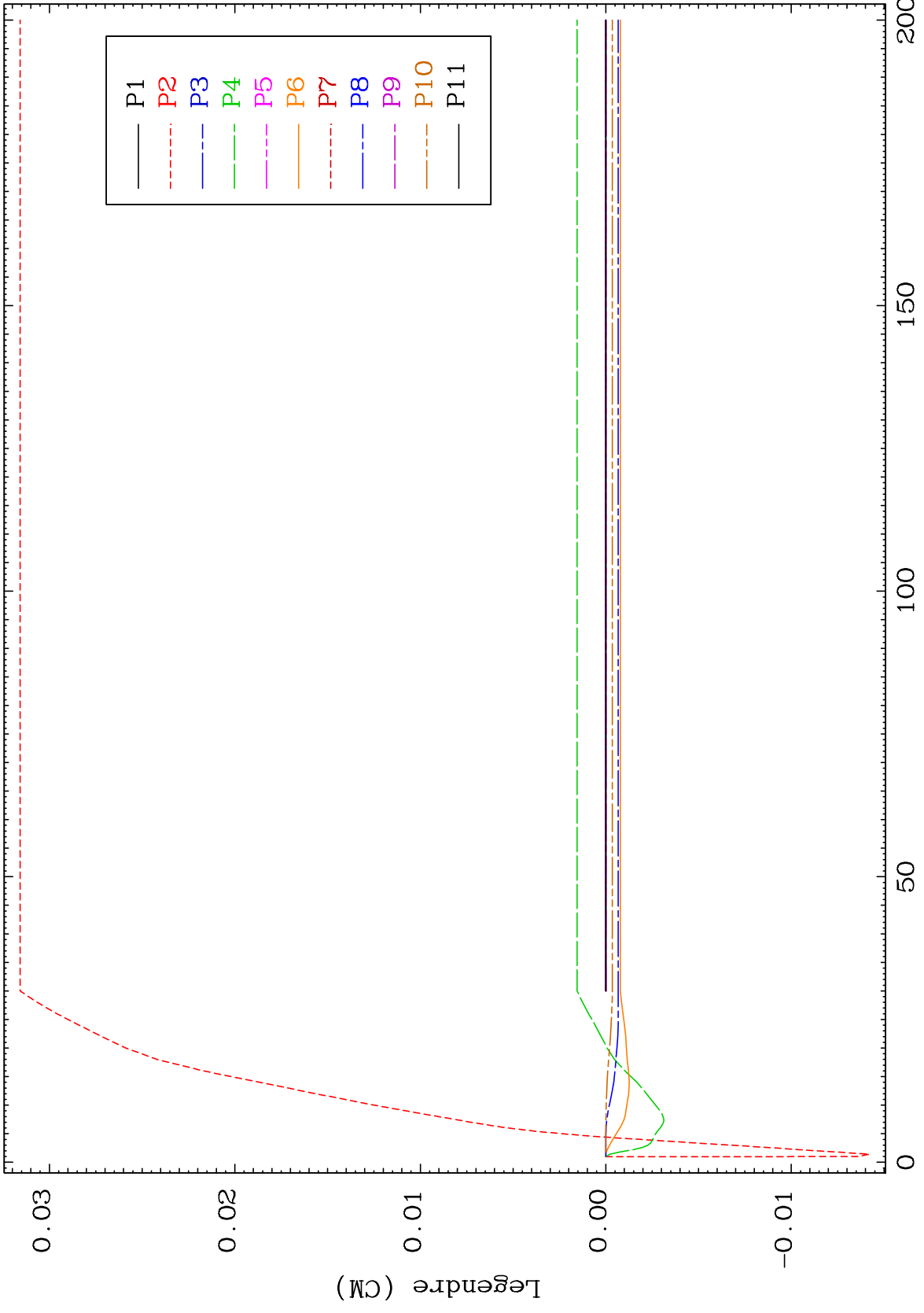
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



81

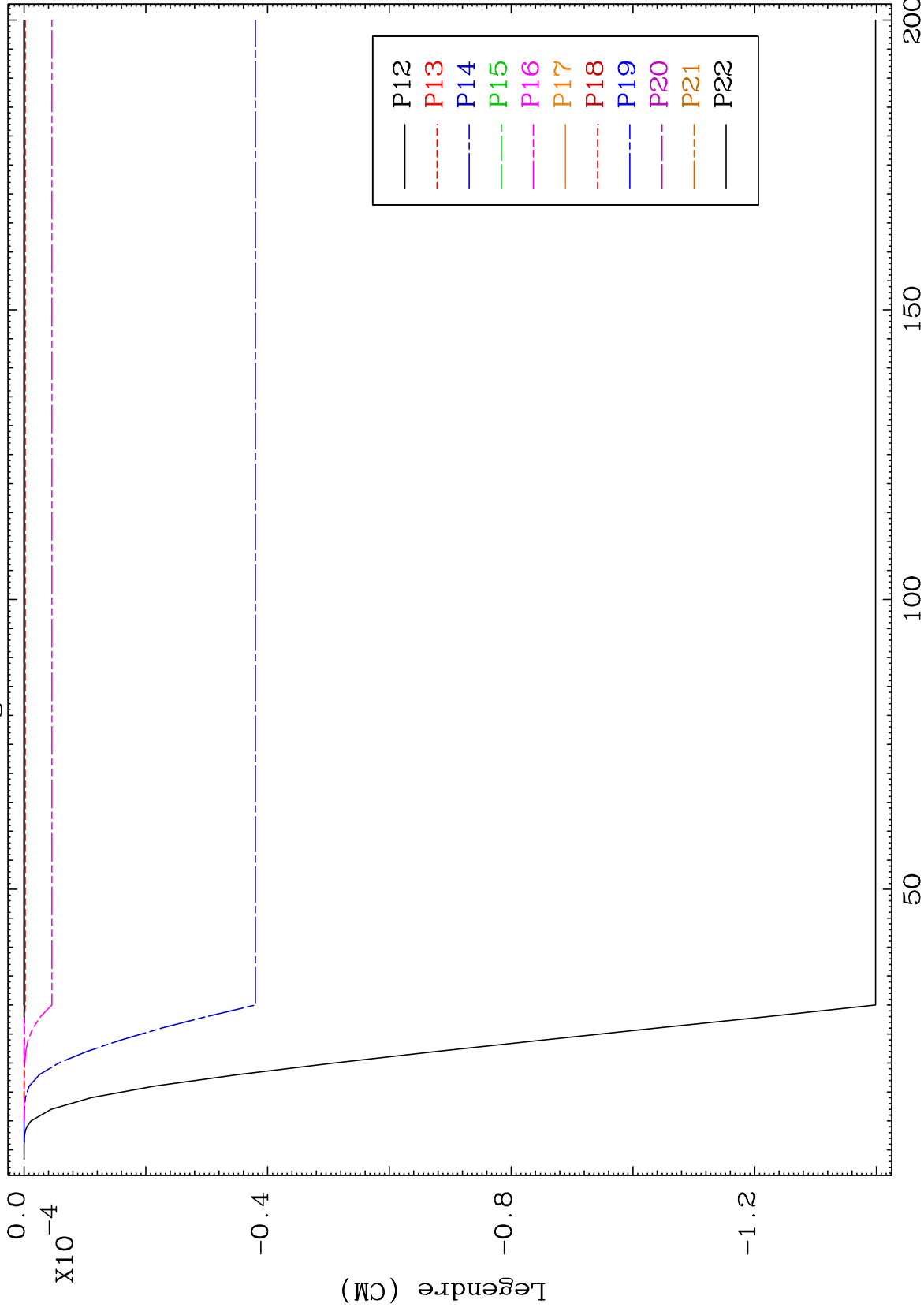
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

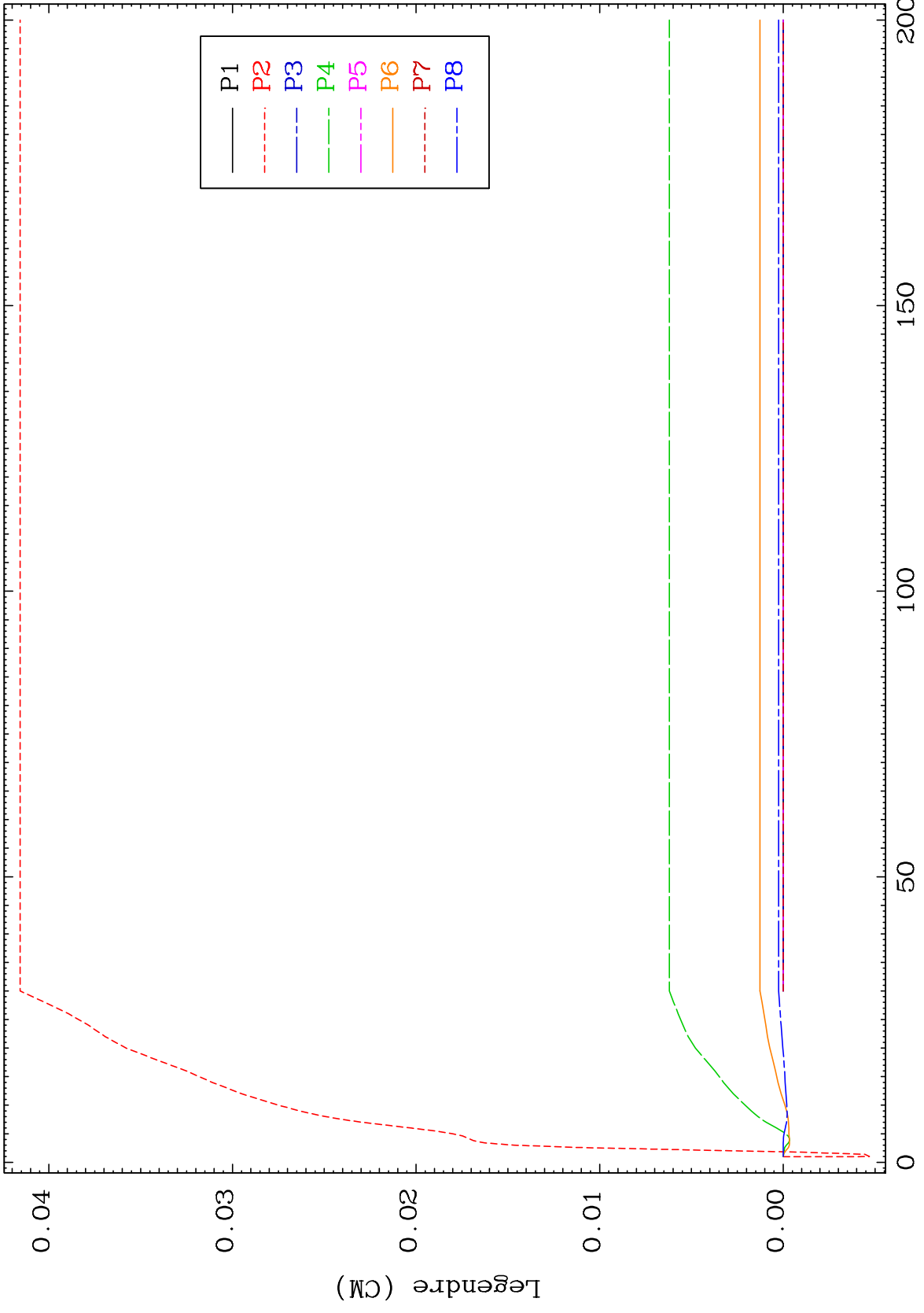
41-Nb-94



82

41-Nb-94

MAT 4128 MT= 72 (n,n') Level Legendre Coefficients 41-Nb-94

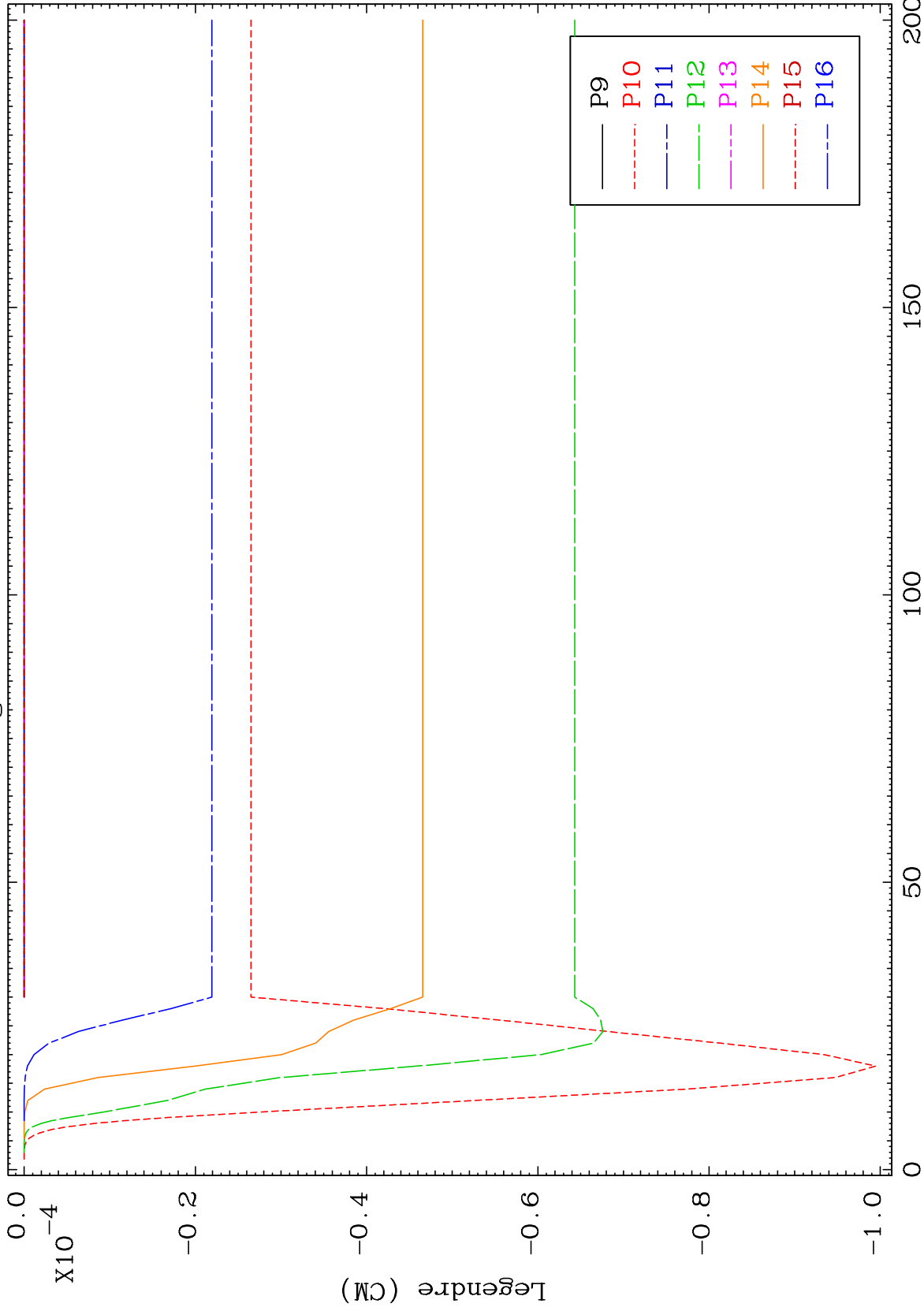


83 41-Nb-94

MAT 4128

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

41-Nb-94



84

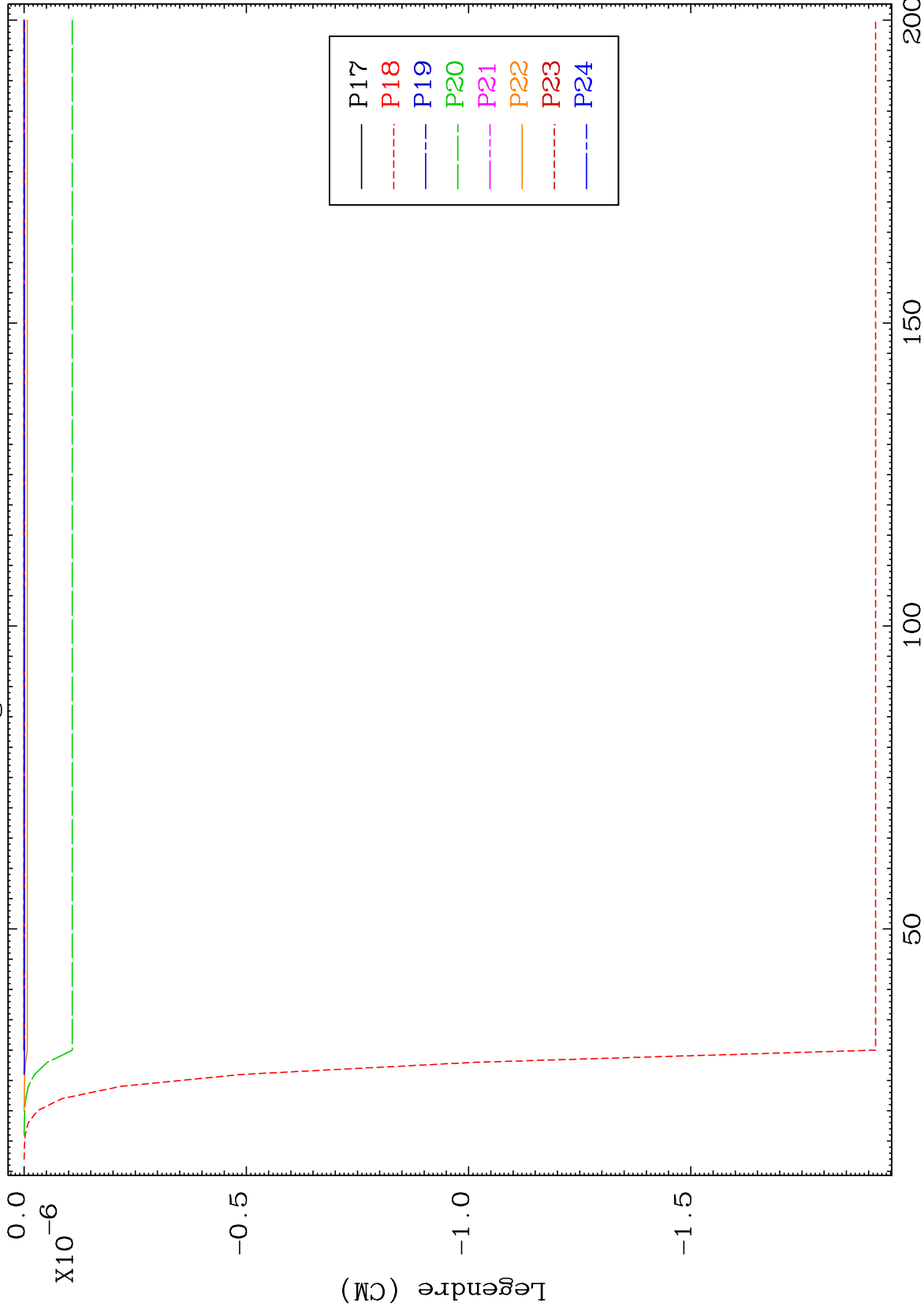
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



41-Nb-94

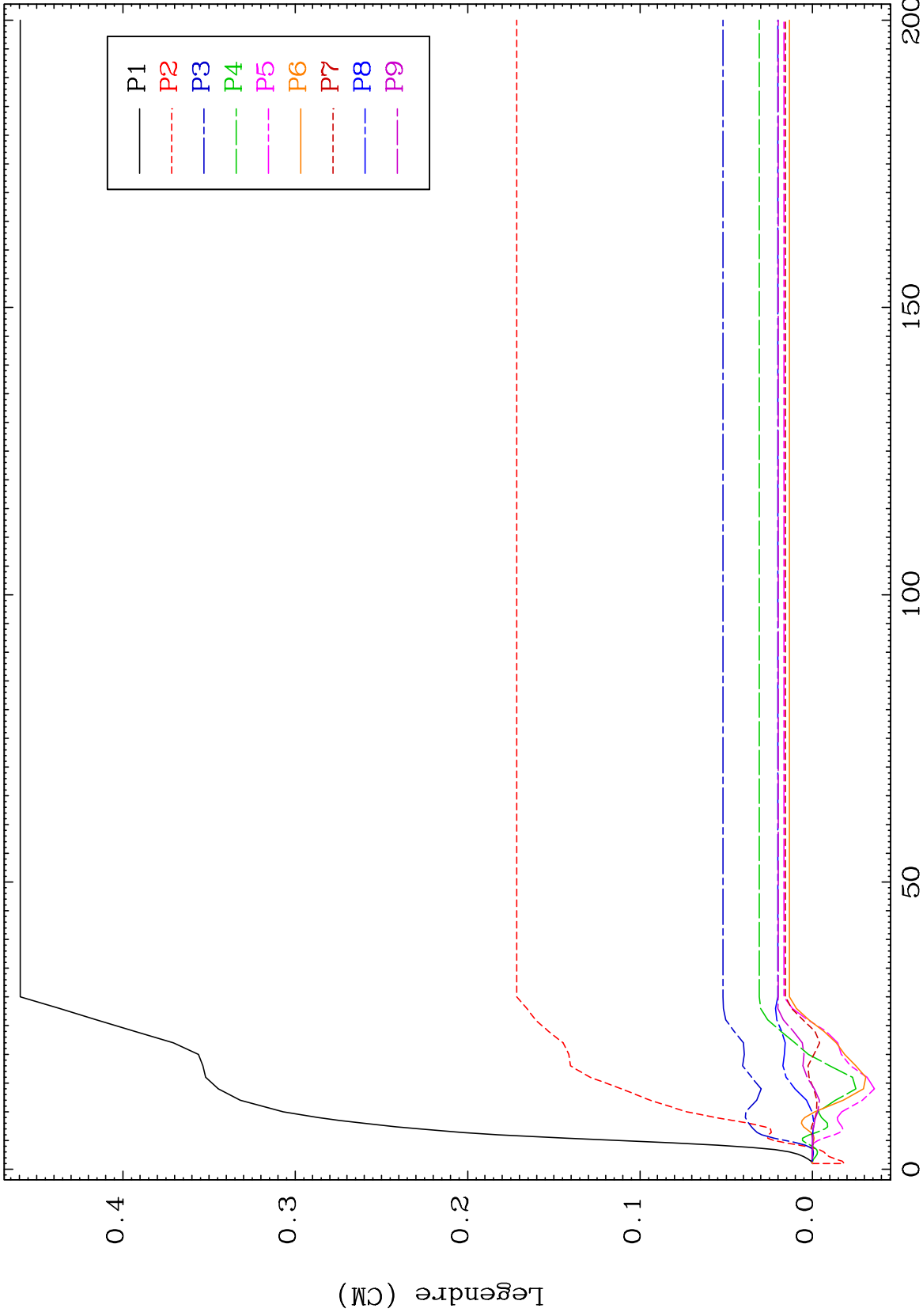
Incident Energy (MeV)

85

MAT 4128

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

41-Nb-94



86

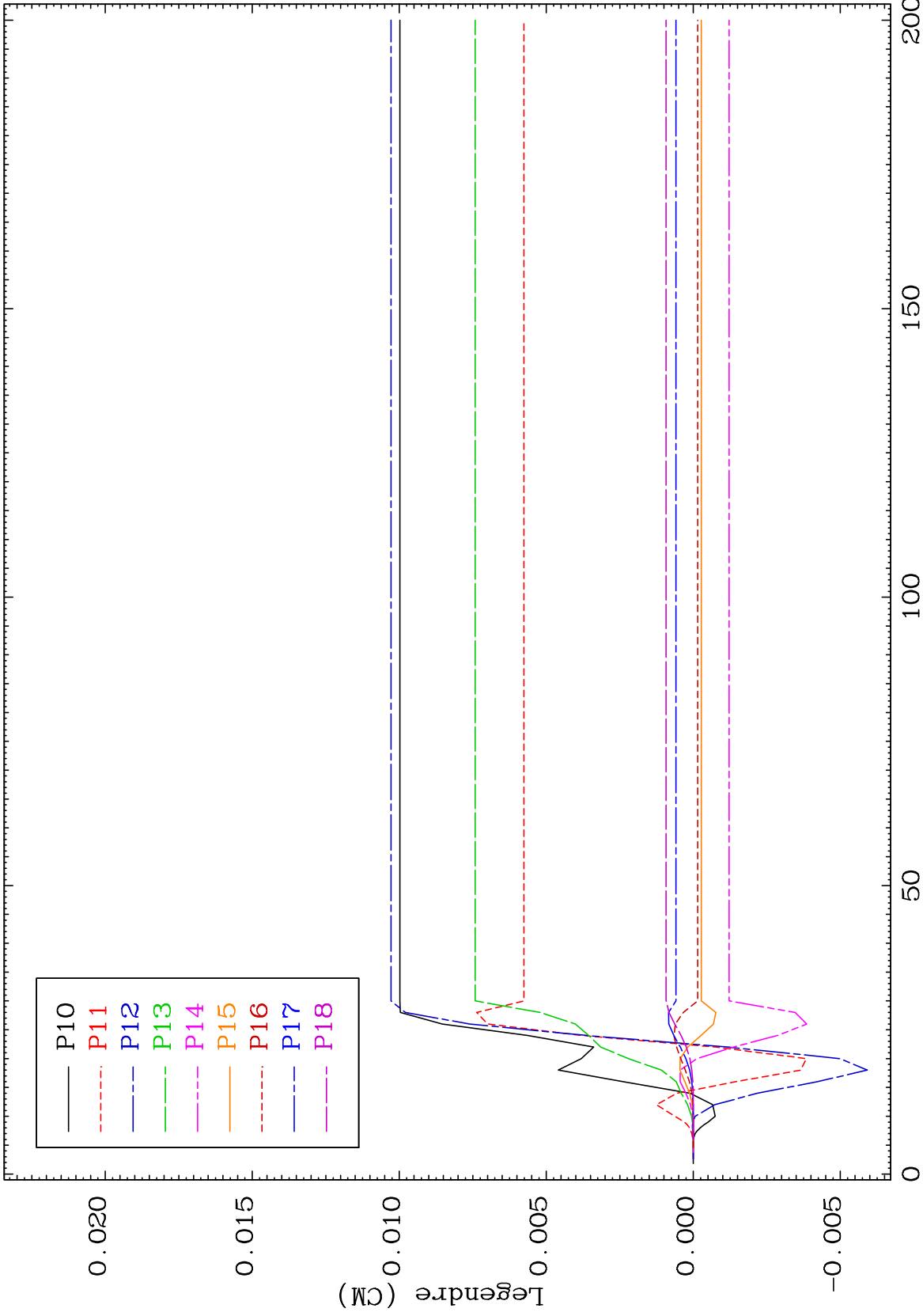
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



87

Incident Energy (MeV)

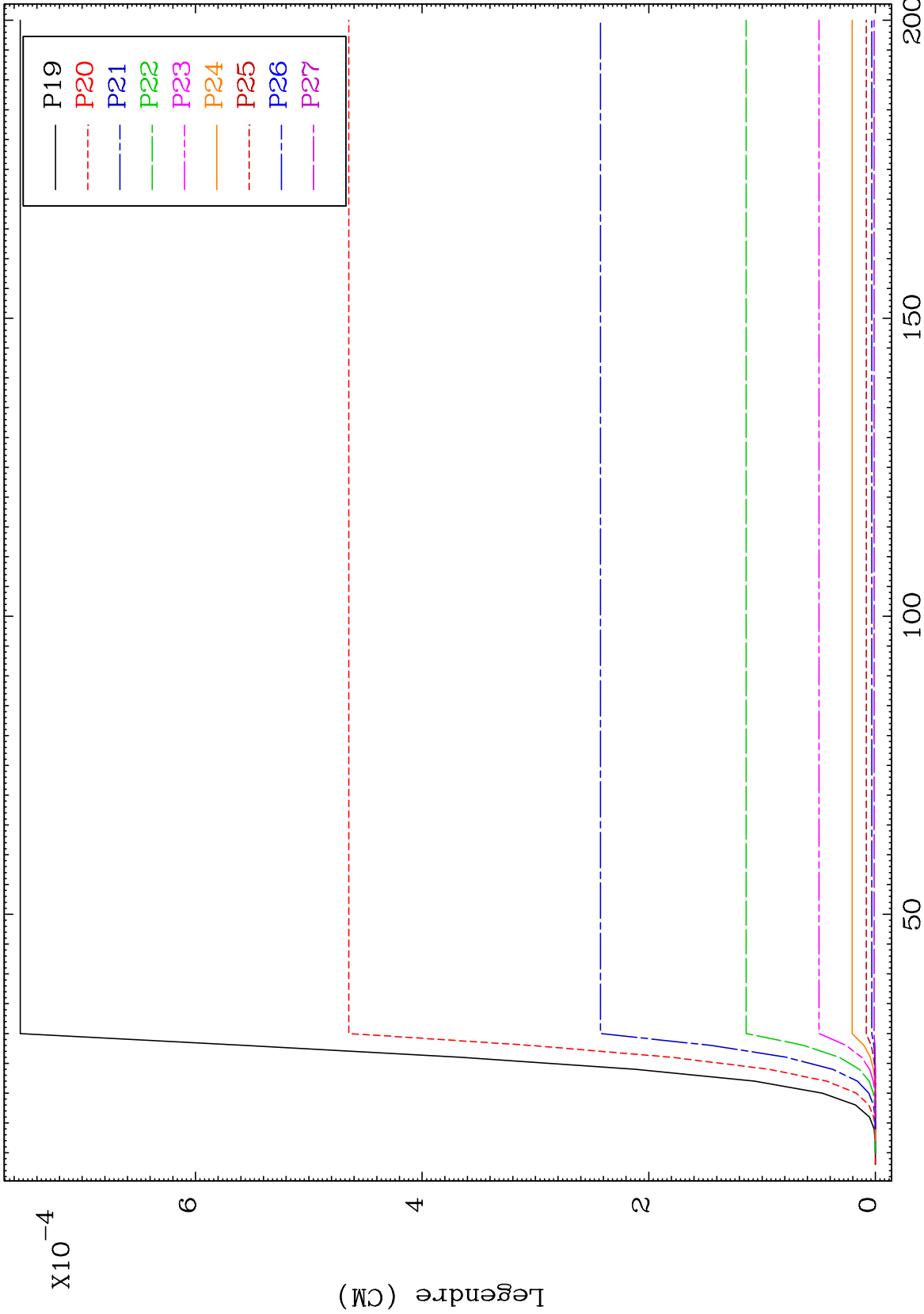
41-Nb-94



MAT 4128

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

41-Nb-94



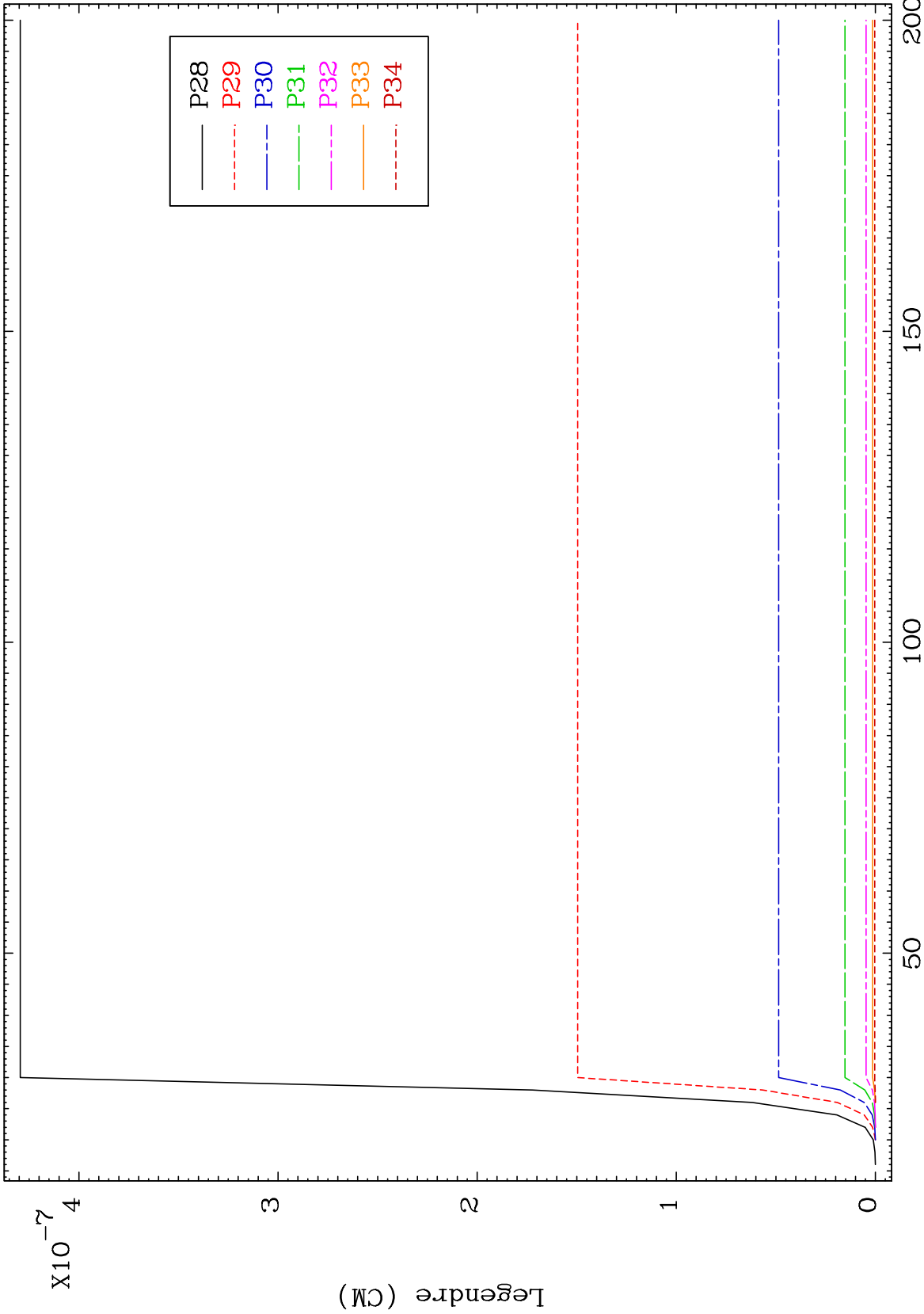
88

41-Nb-94

MAT 4128

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

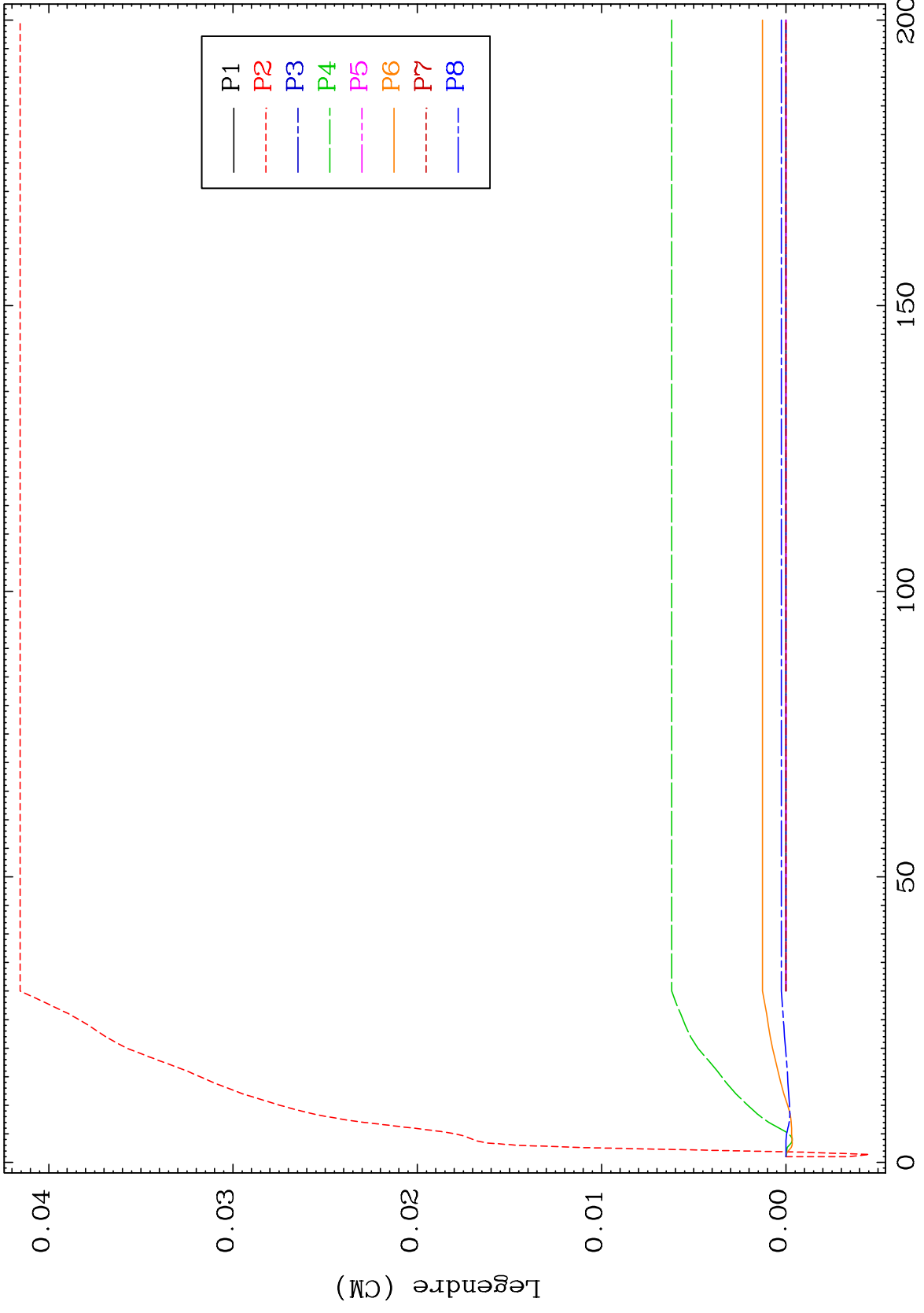
41-Nb-94



89

41-Nb-94

MAT 4128 MT= 74 (n,n') Level Legendre Coefficients 41-Nb-94

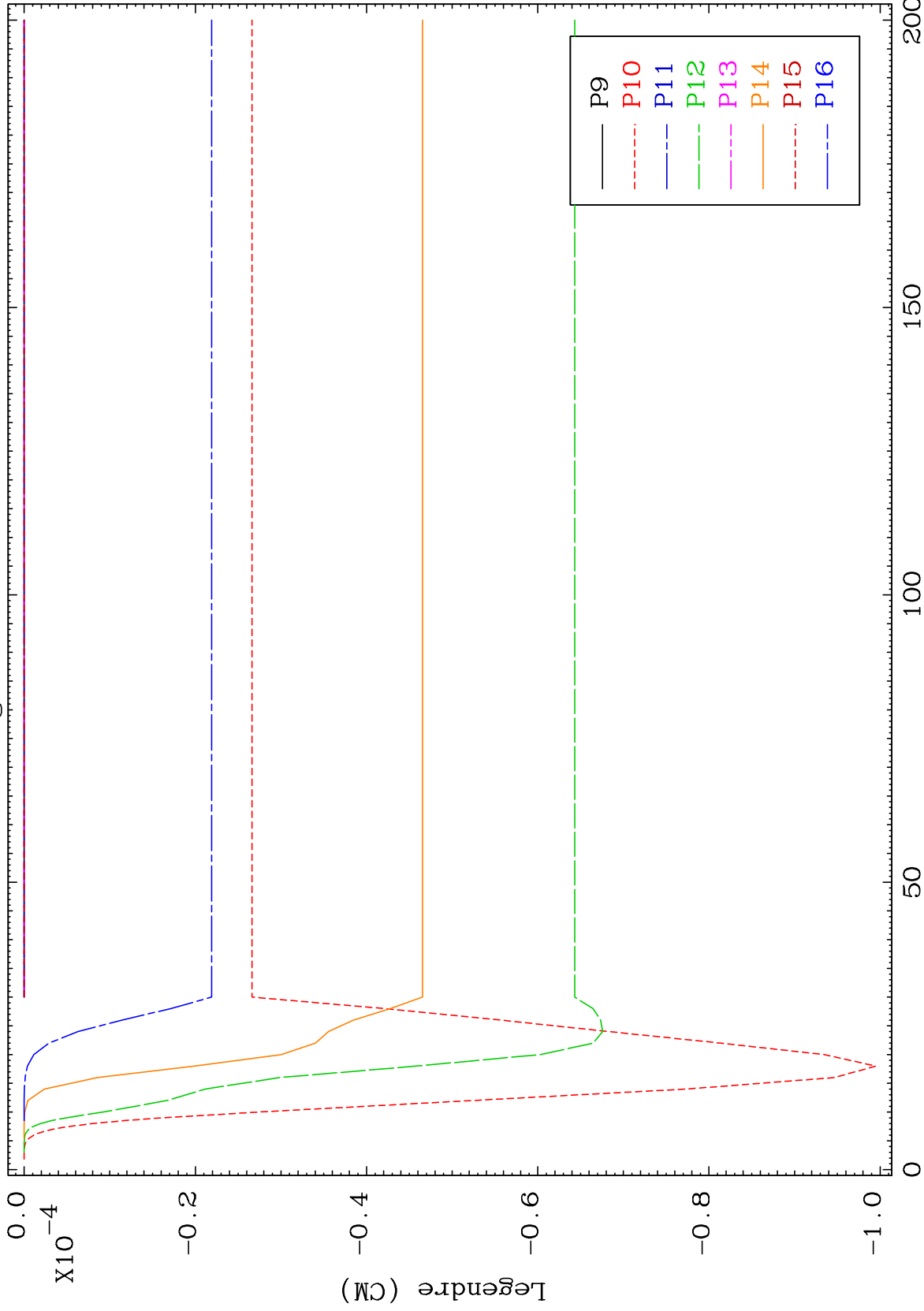


41-Nb-94

MAT 4128

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

41-Nb-94



91

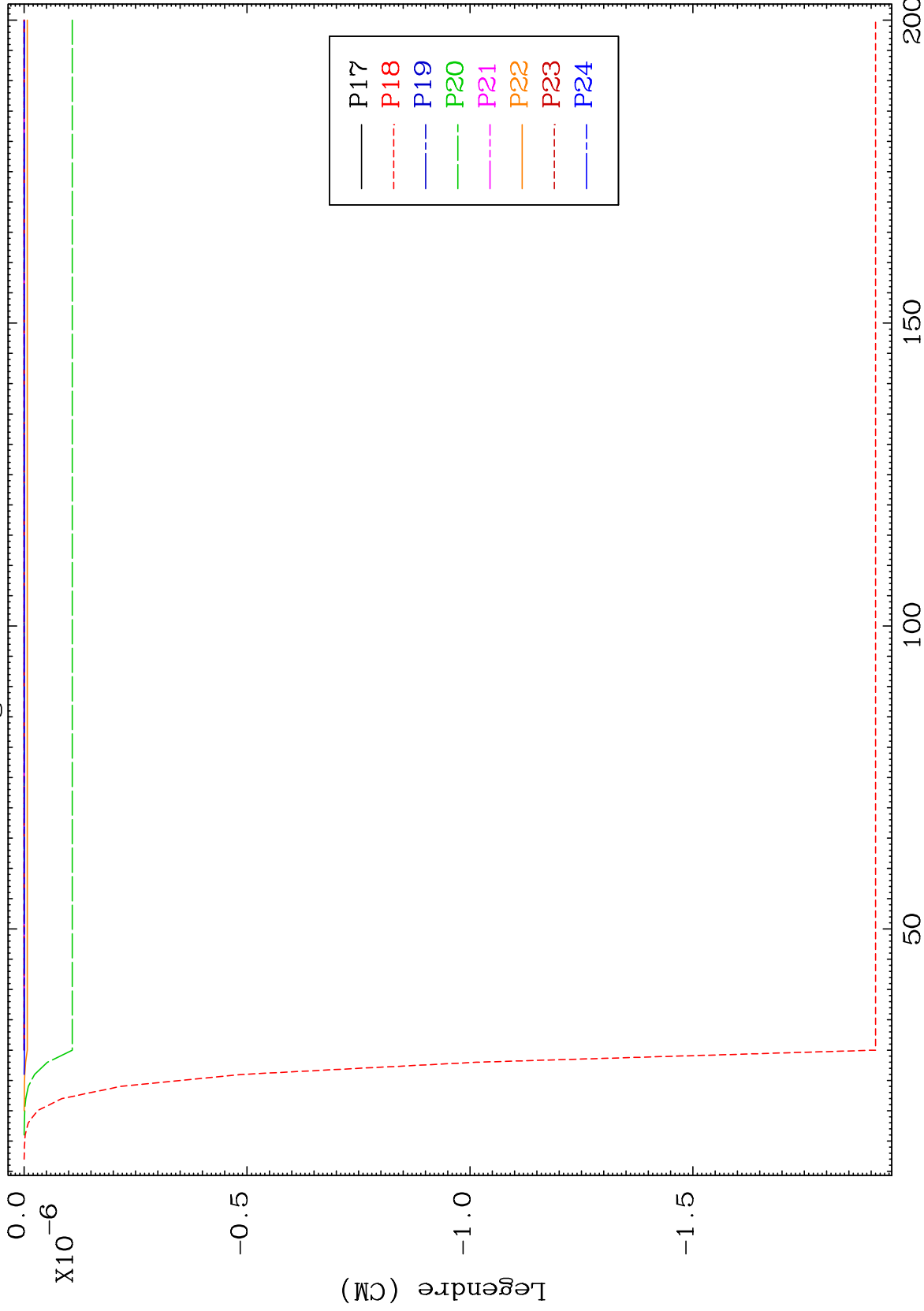
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94

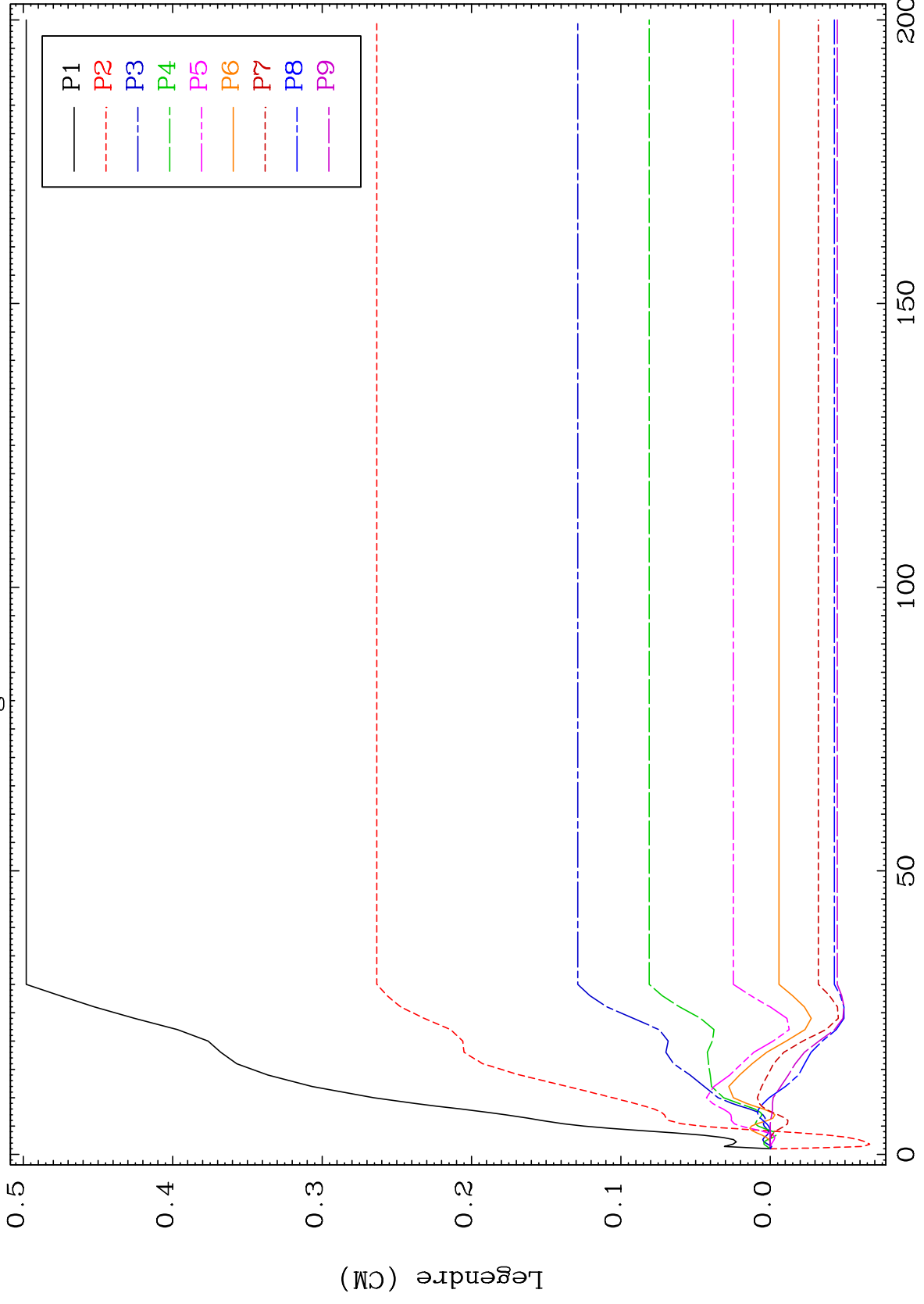


92

MAT 4128

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

41-Nb-94



93

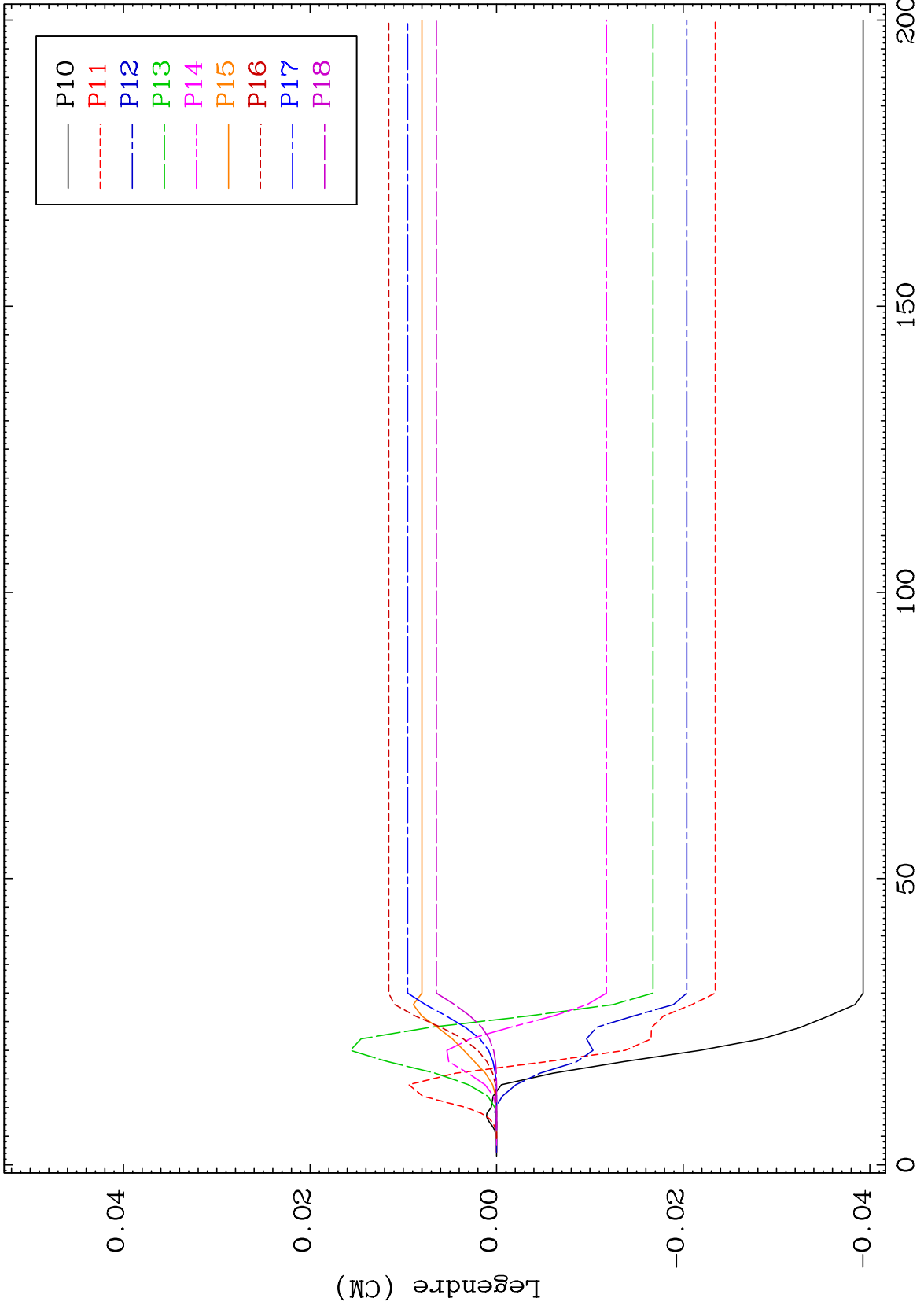
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



94

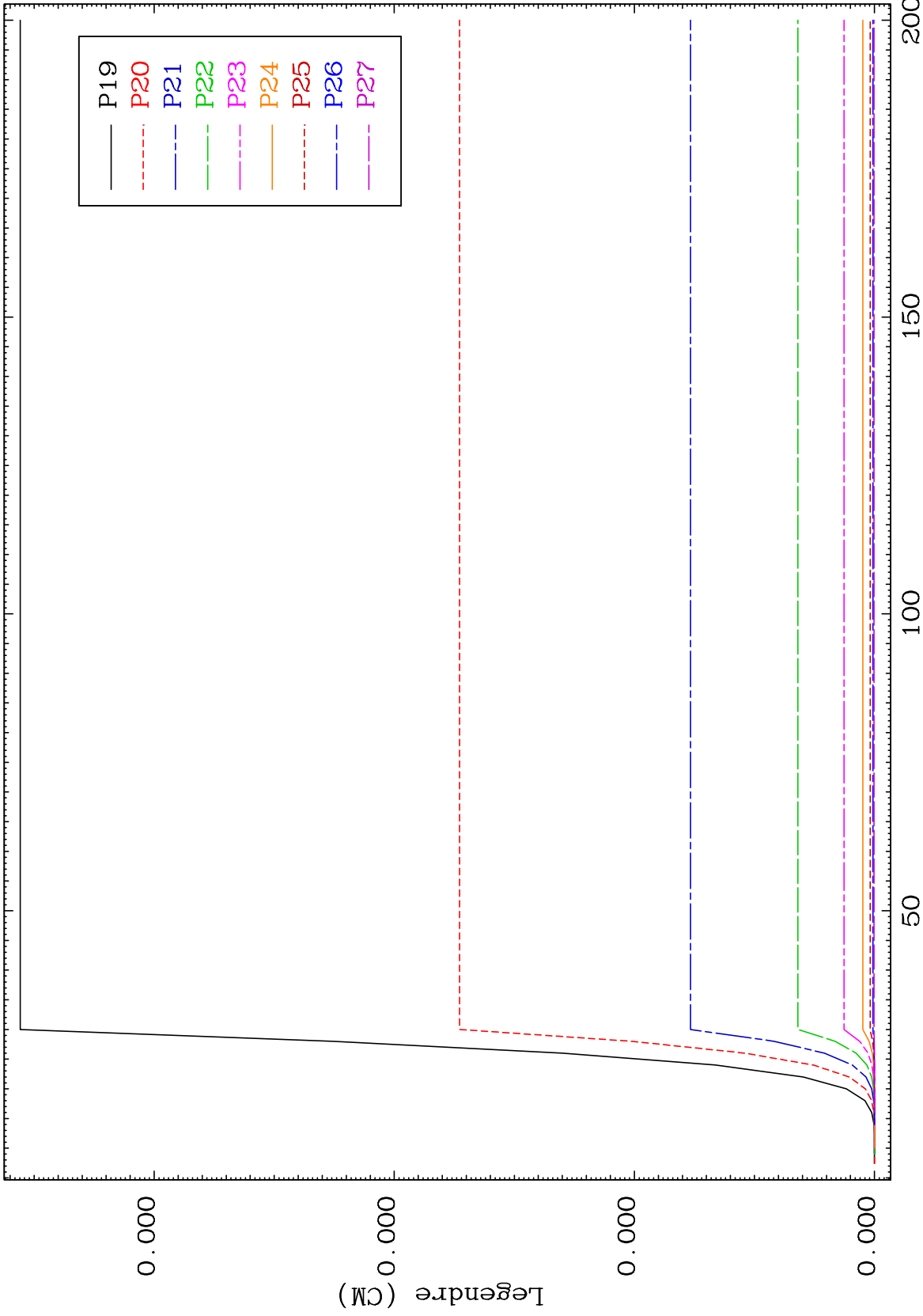
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



95

Incident Energy (MeV)

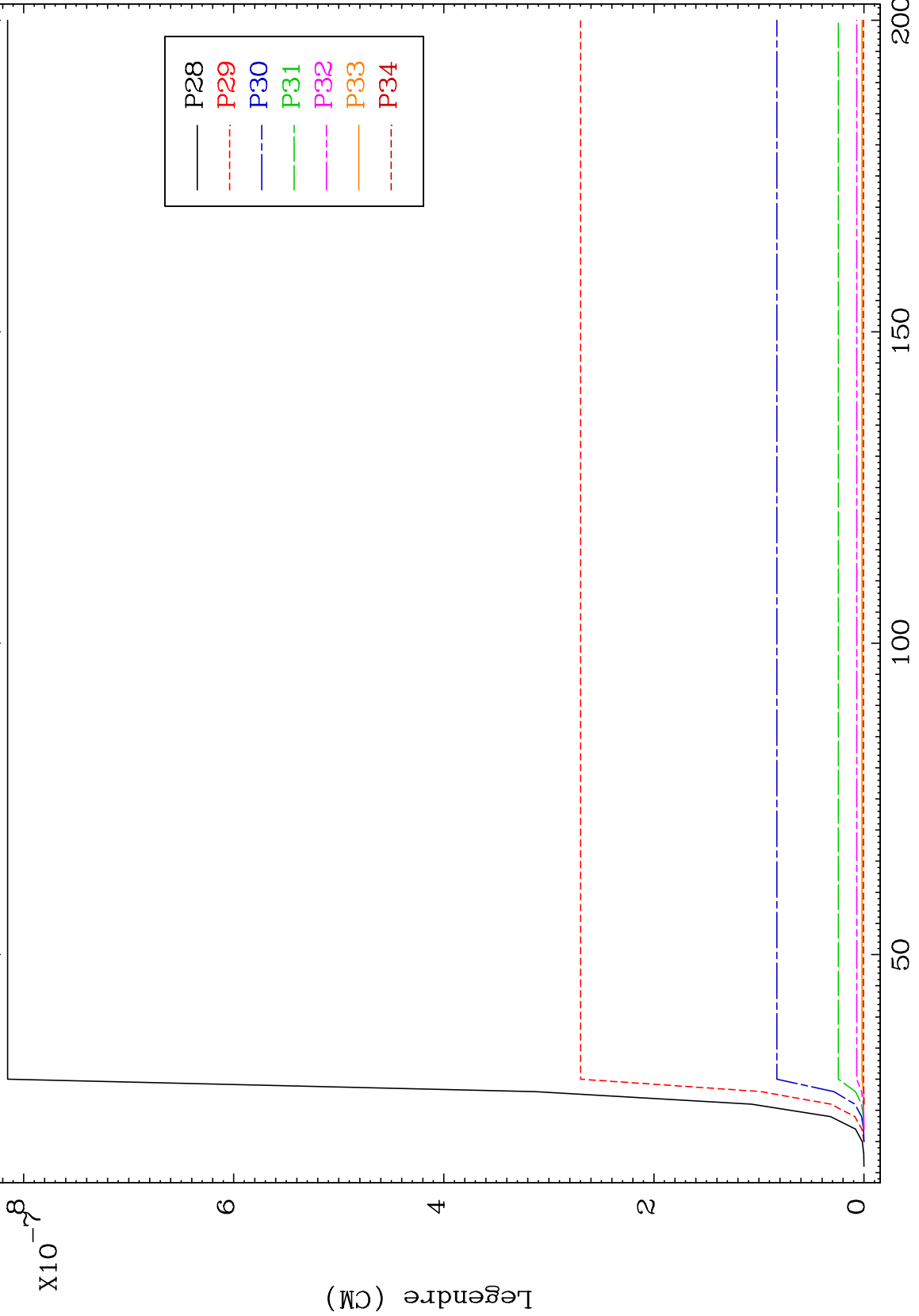
41-Nb-94



MAT 4128

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

41-Nb-94



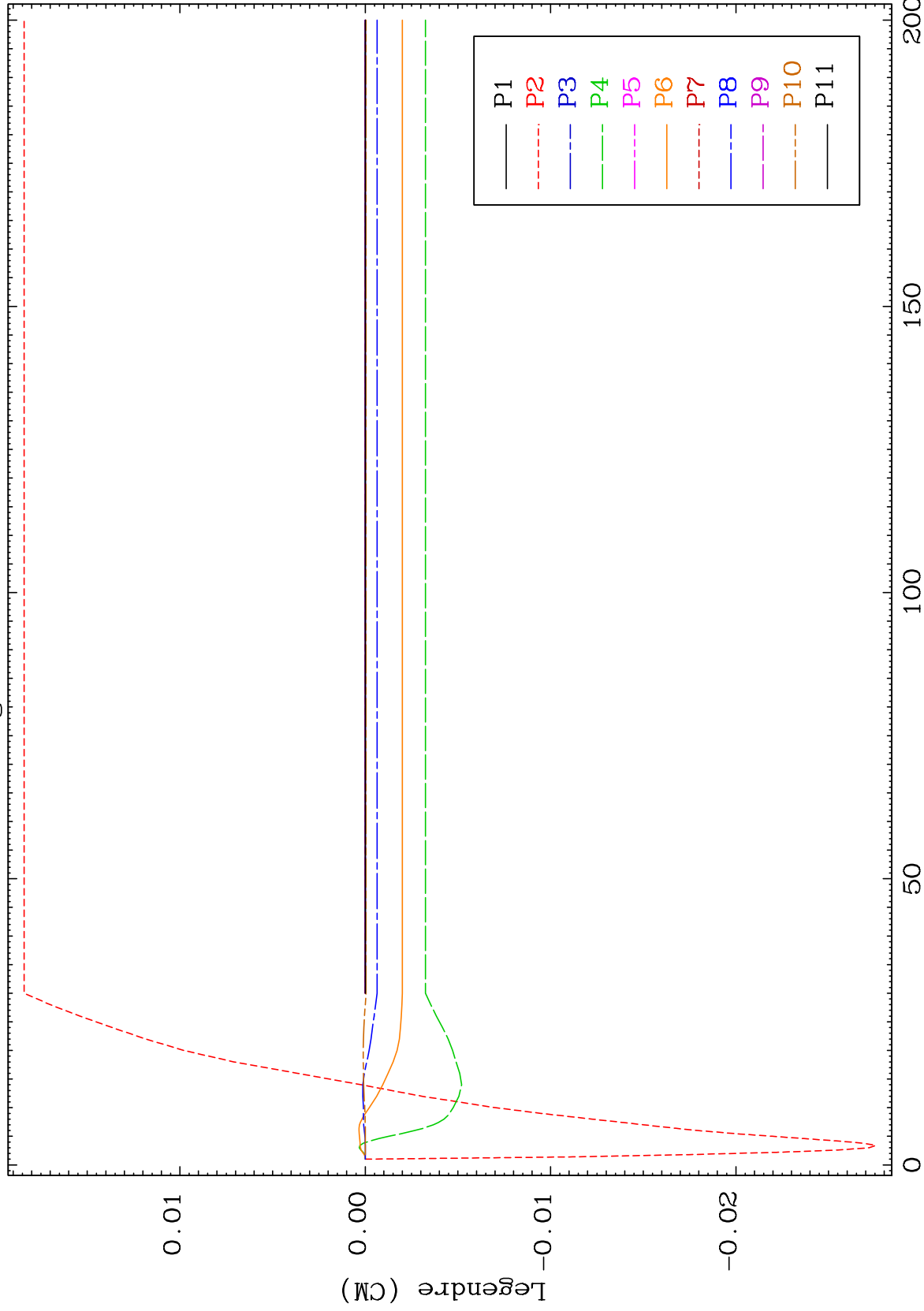
96

41-Nb-94

MAT 4128

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

41-Nb-94



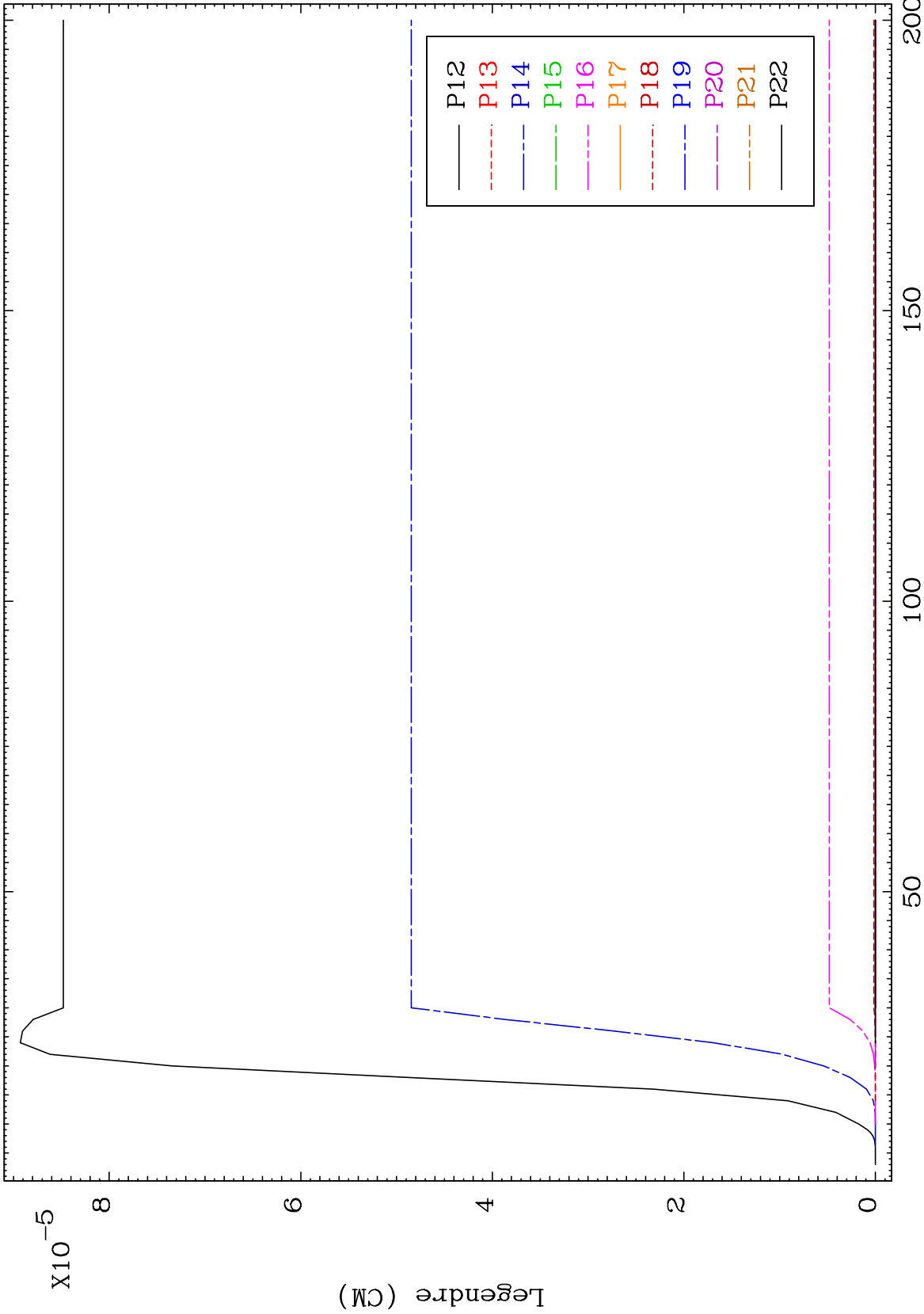
97

41-Nb-94

MAT 4128

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

41-Nb-94



98

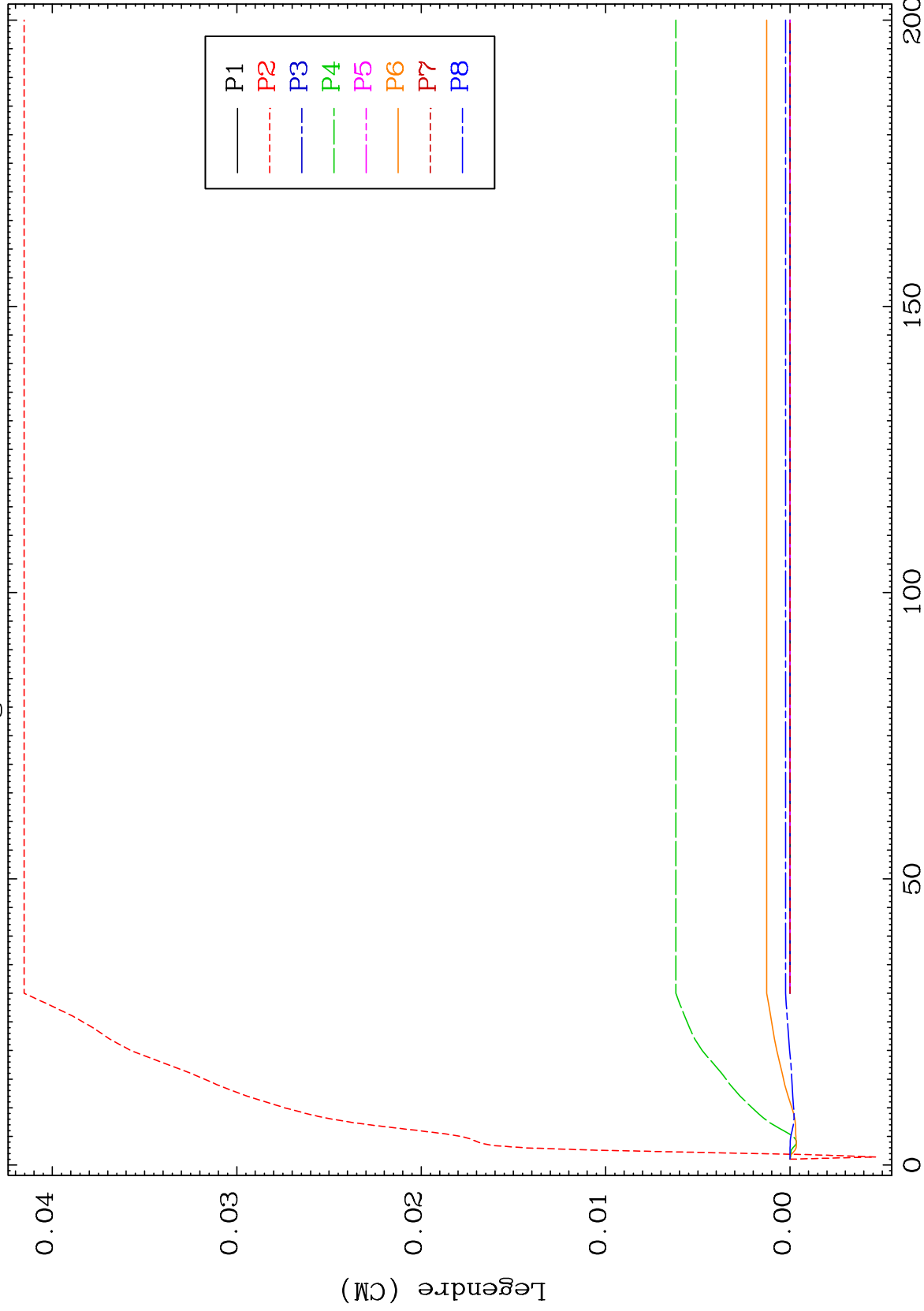
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



99

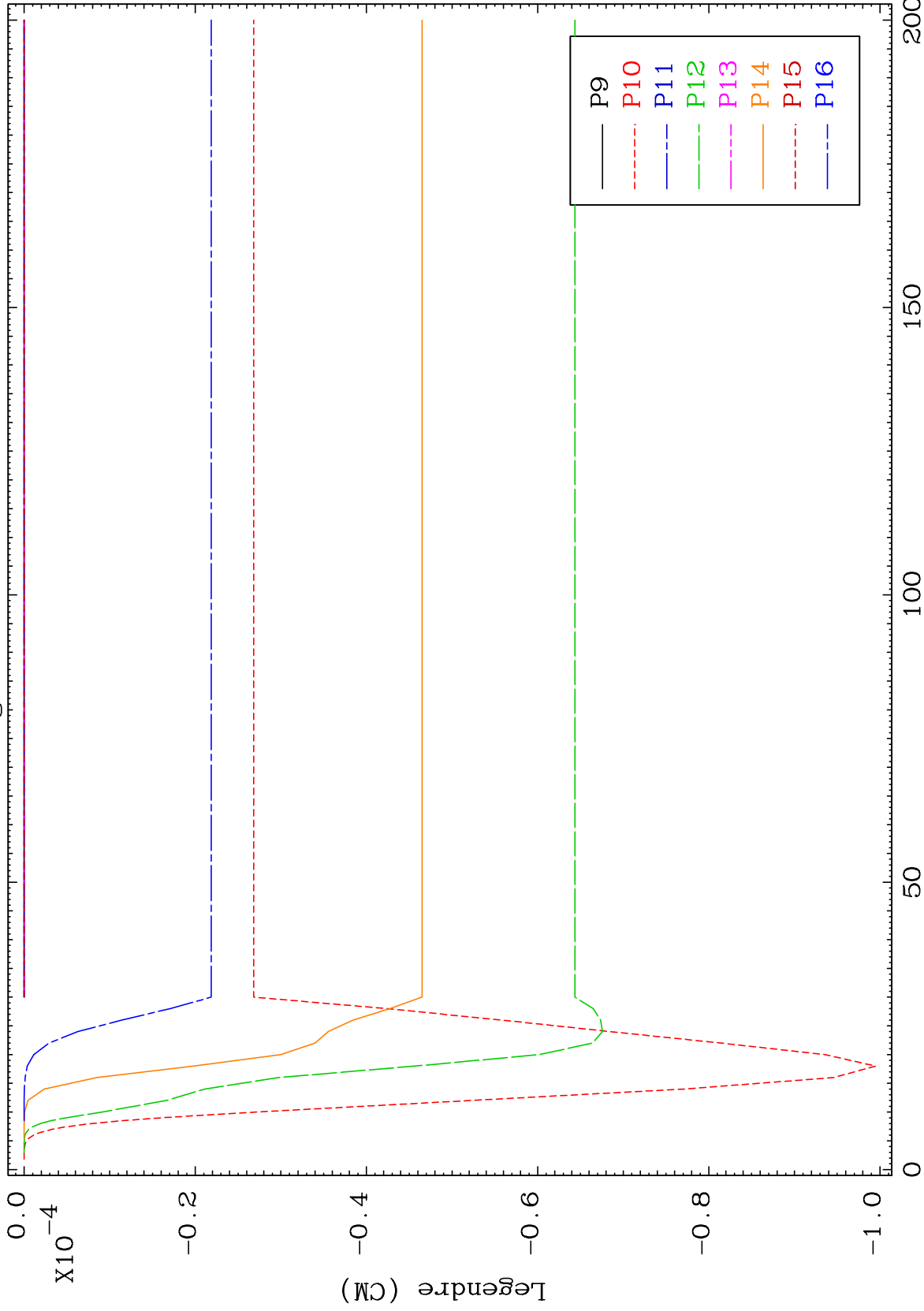
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



100

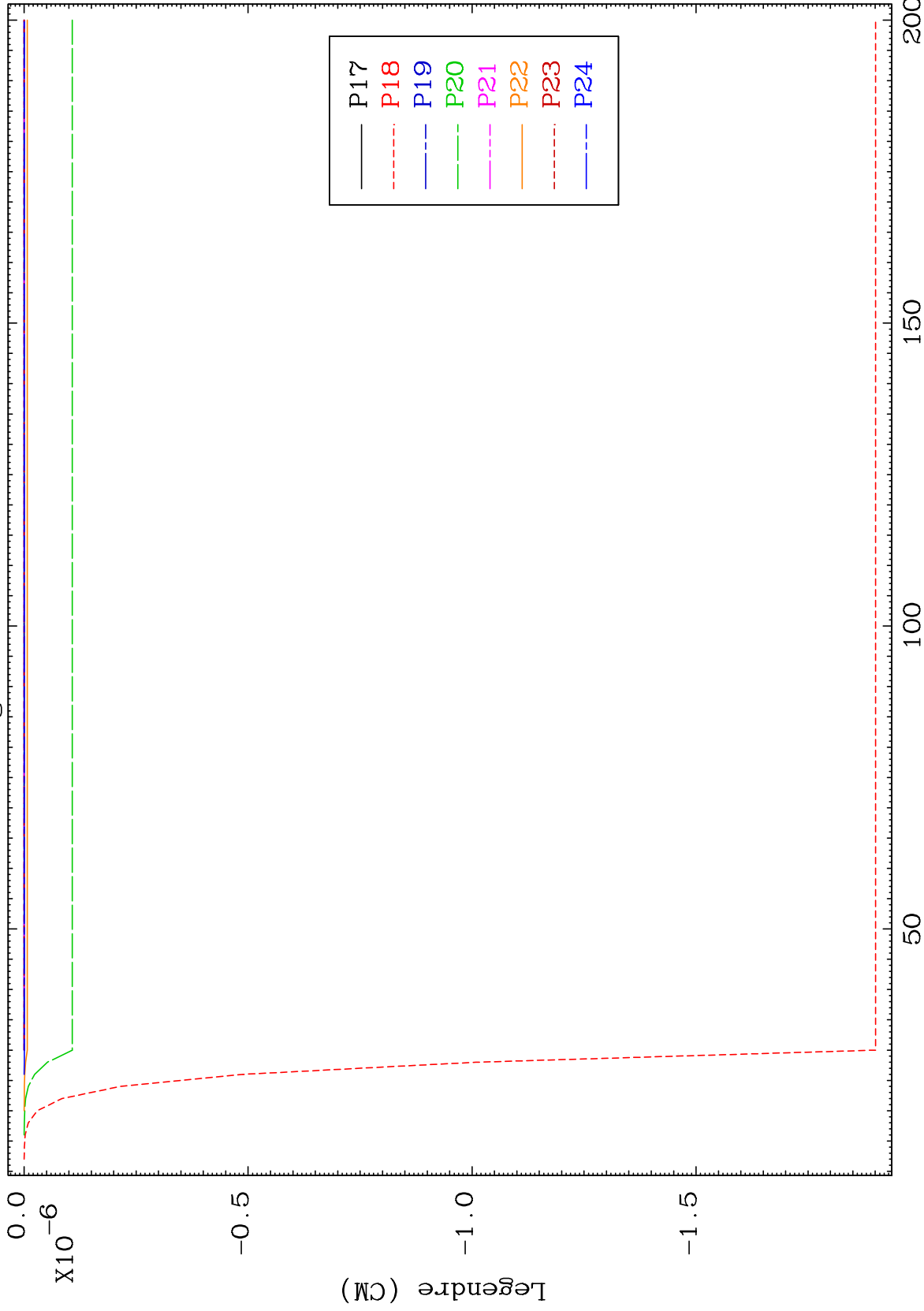
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94

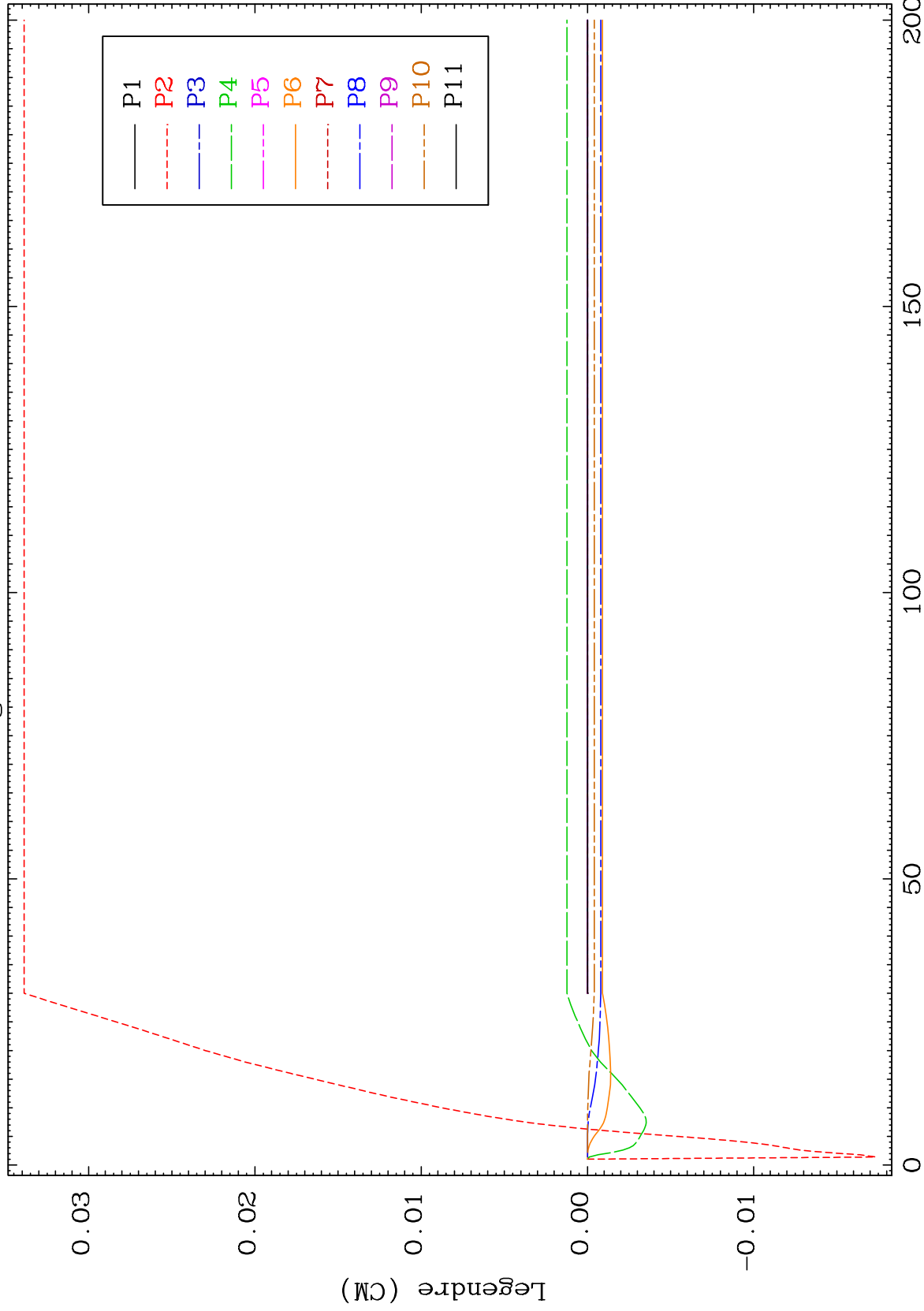


101

MAT 4128

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

41-Nb-94



41-Nb-94

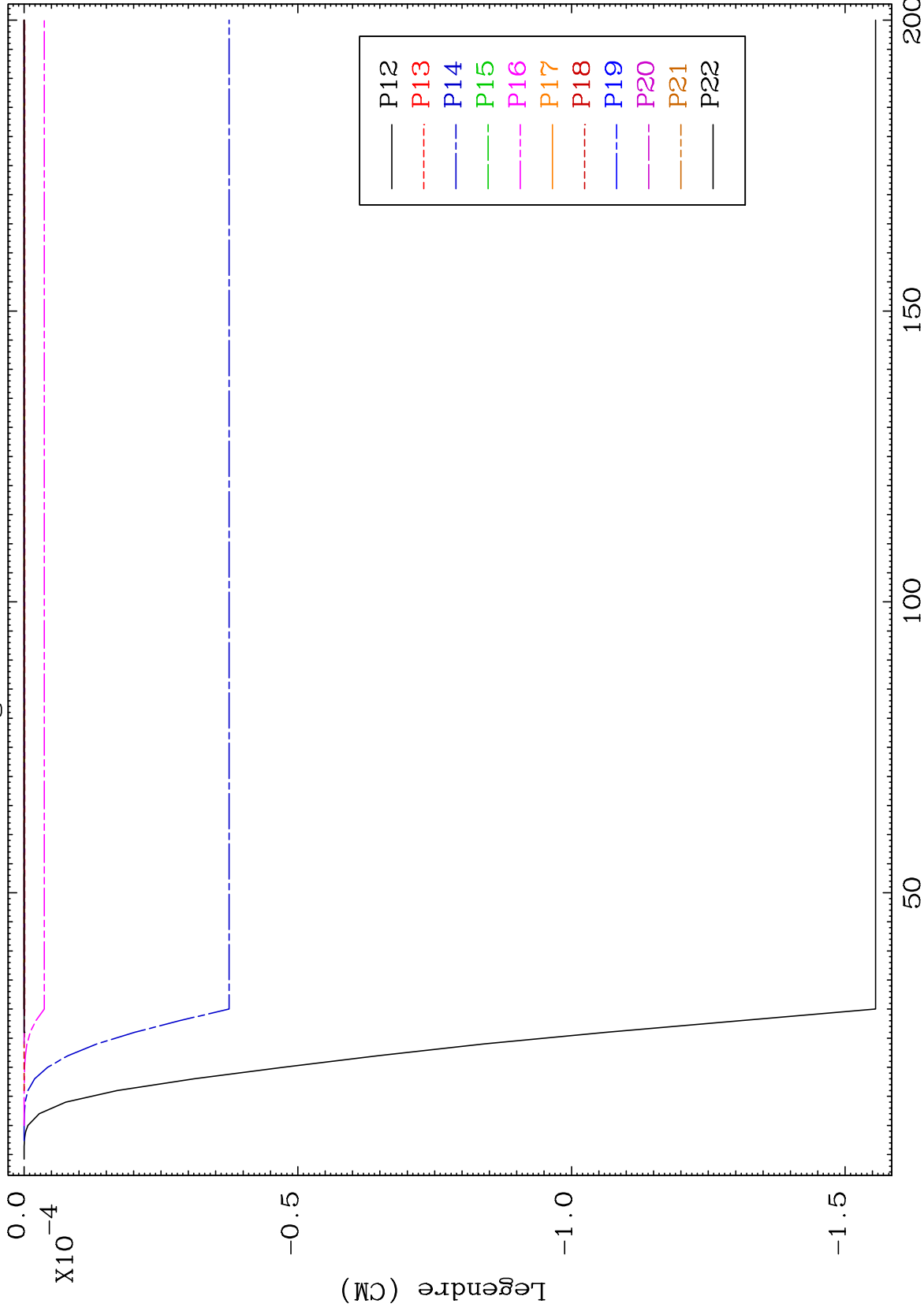
Incident Energy (MeV)

102

MAT 4128

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

41-Nb-94



103

Incident Energy (MeV)

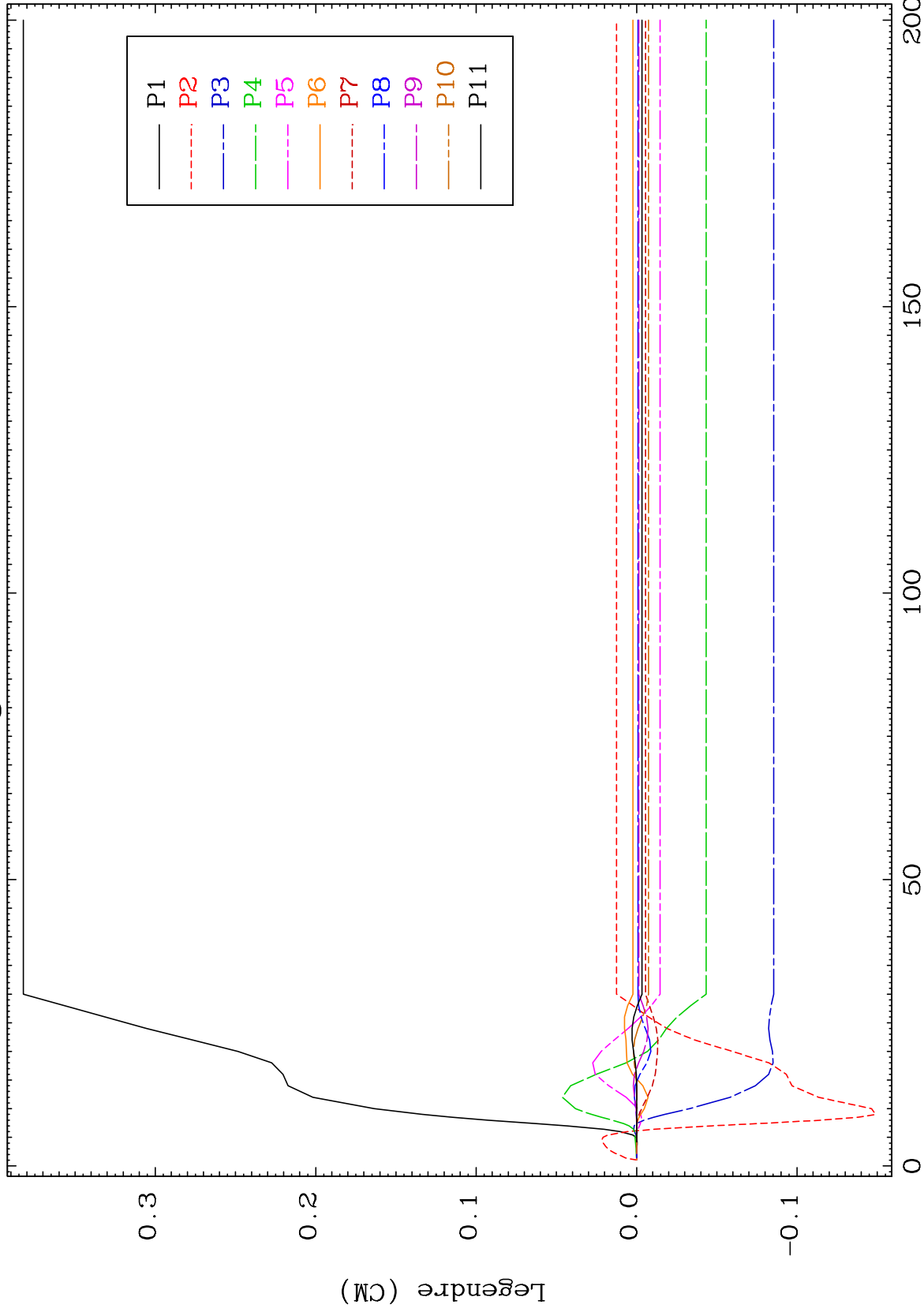
41-Nb-94



MAT 4128

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

41-Nb-94



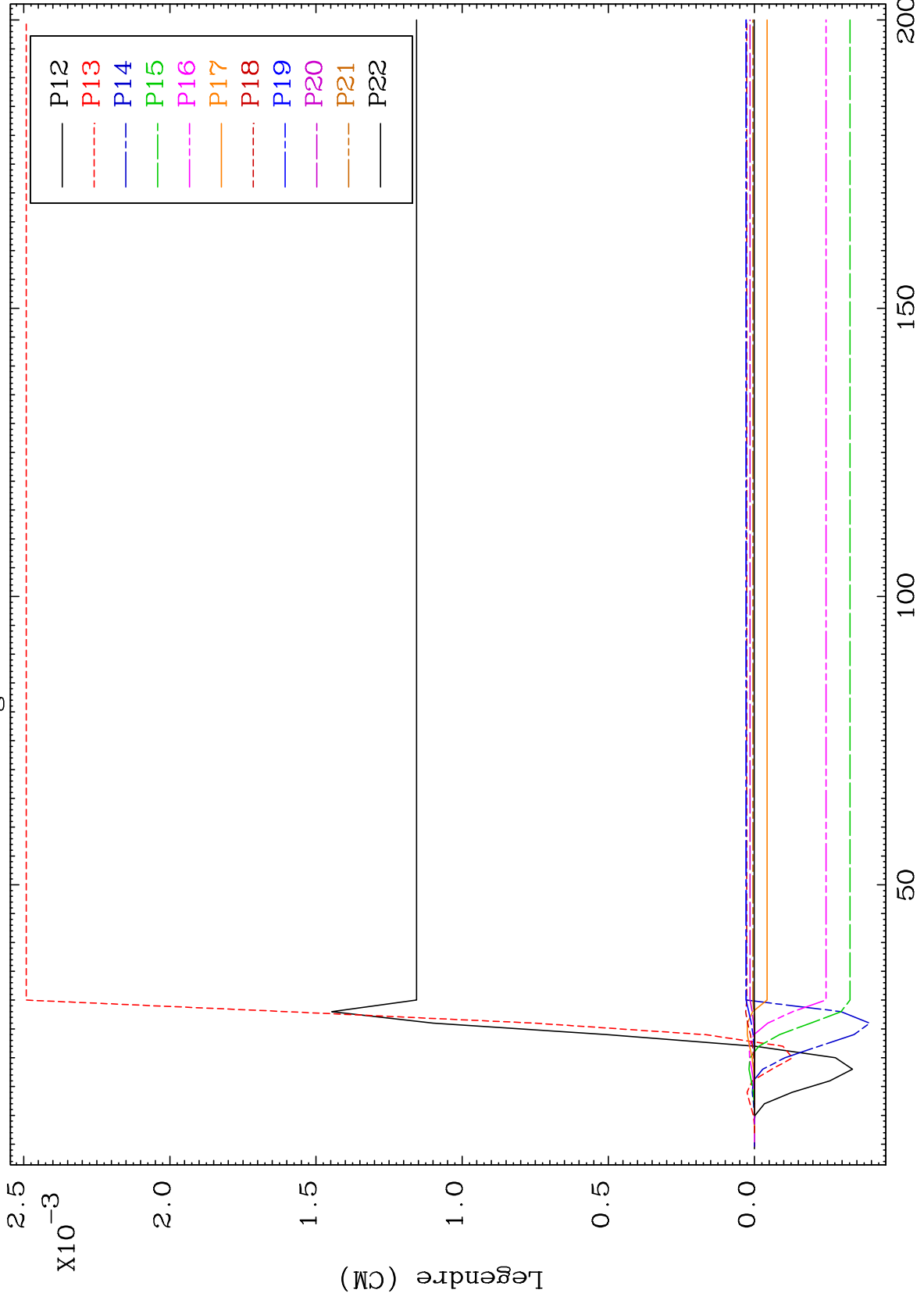
104

41-Nb-94

MAT 4128

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

41-Nb-94



105

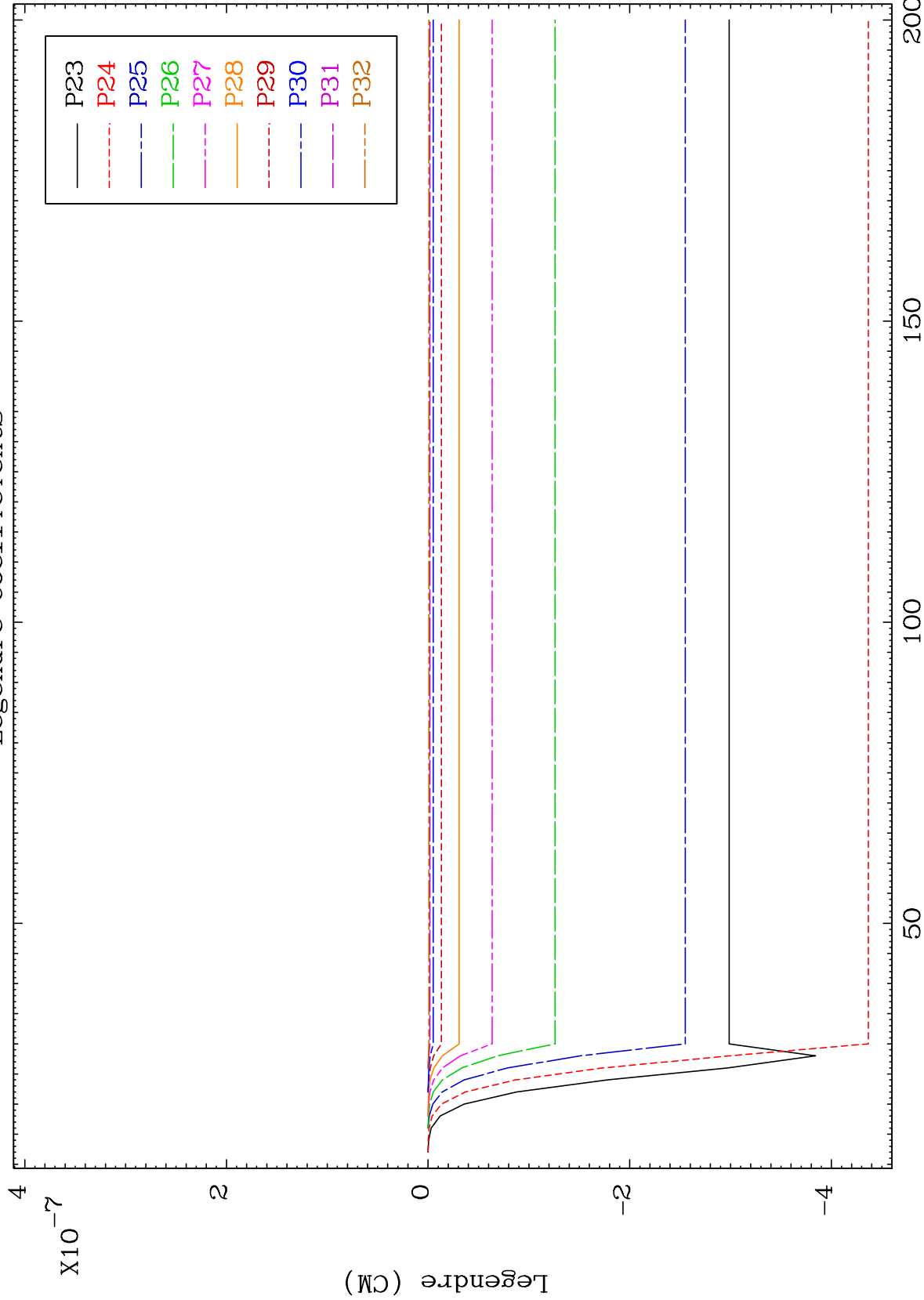
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



106

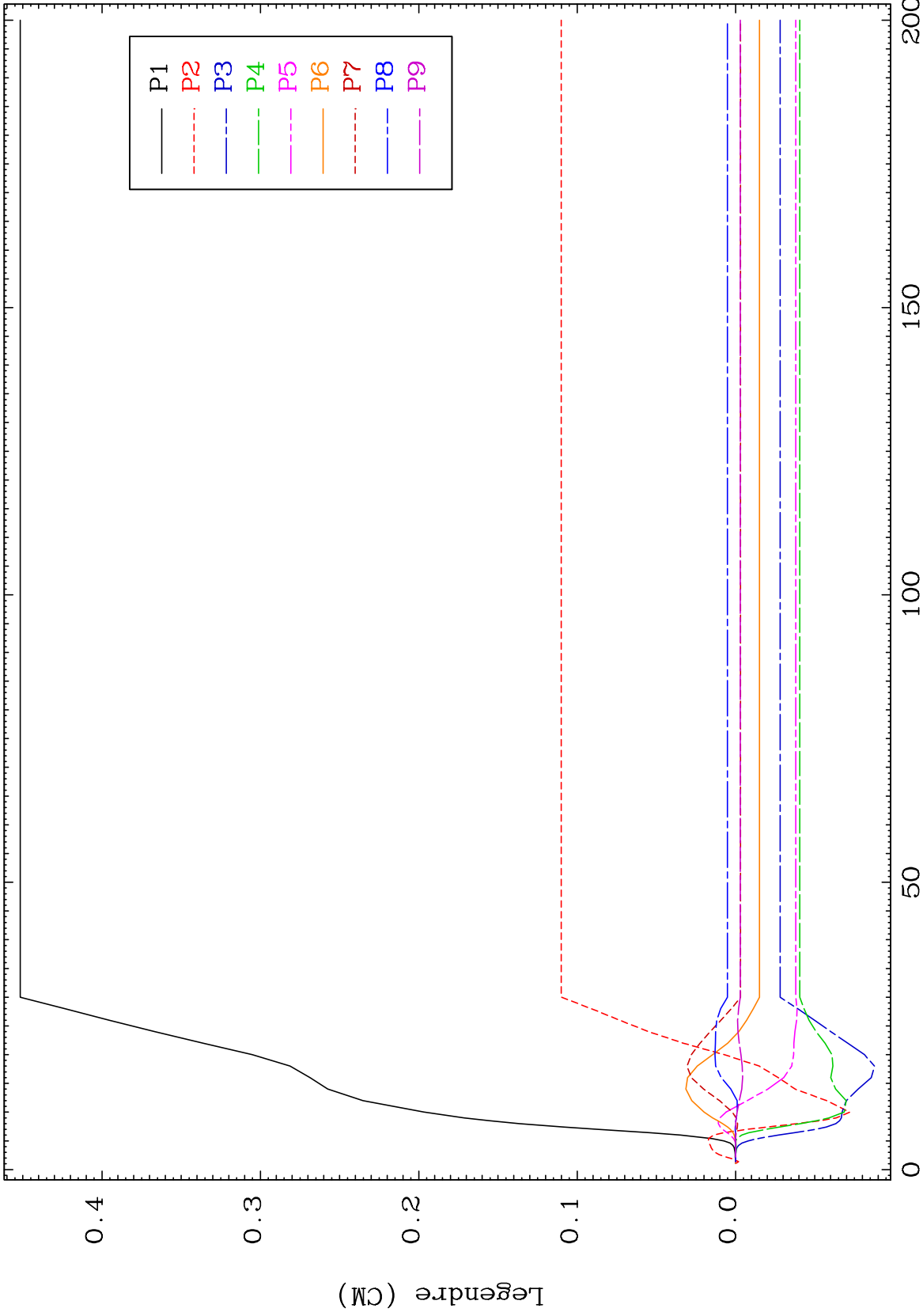
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



107

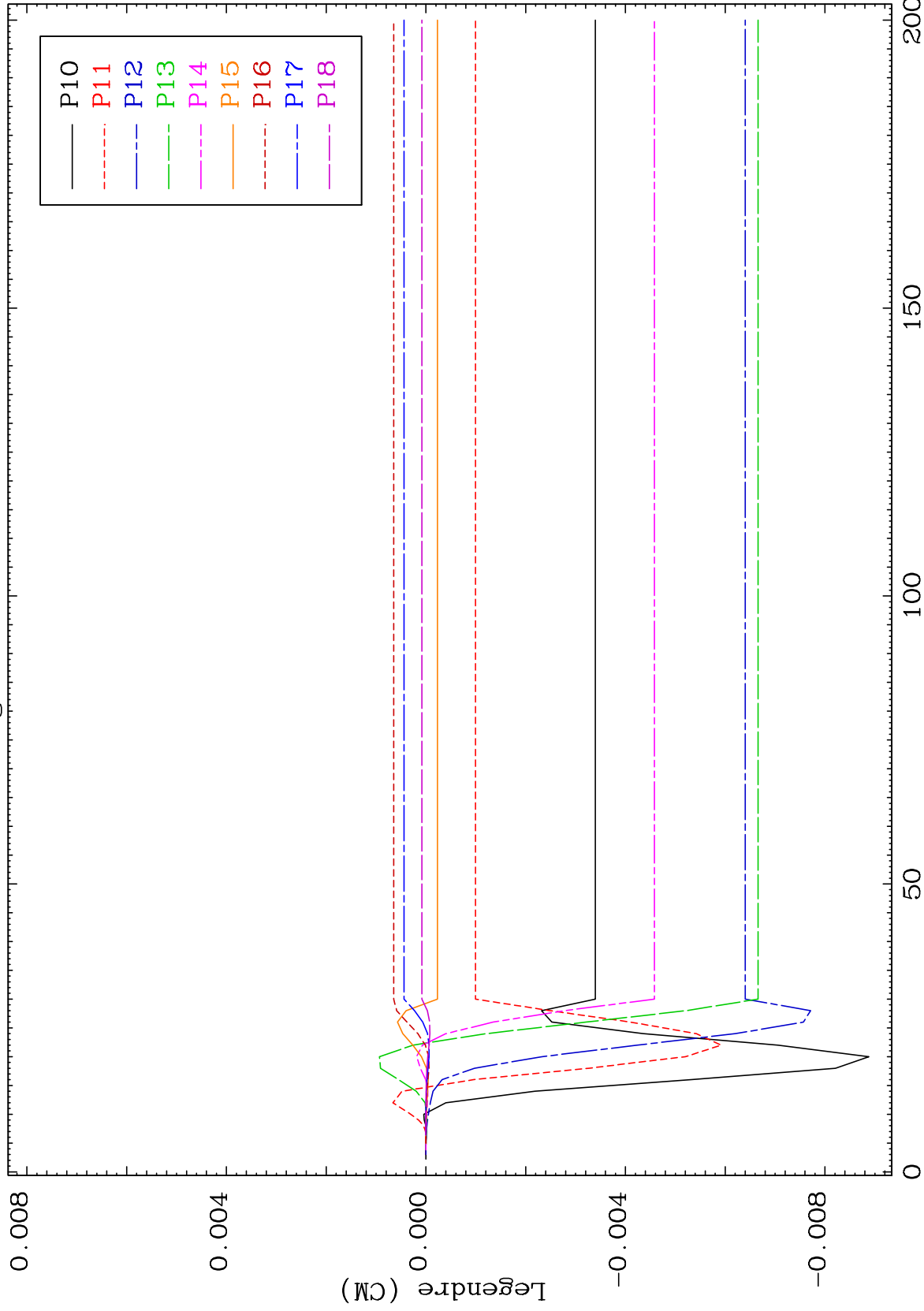
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



108

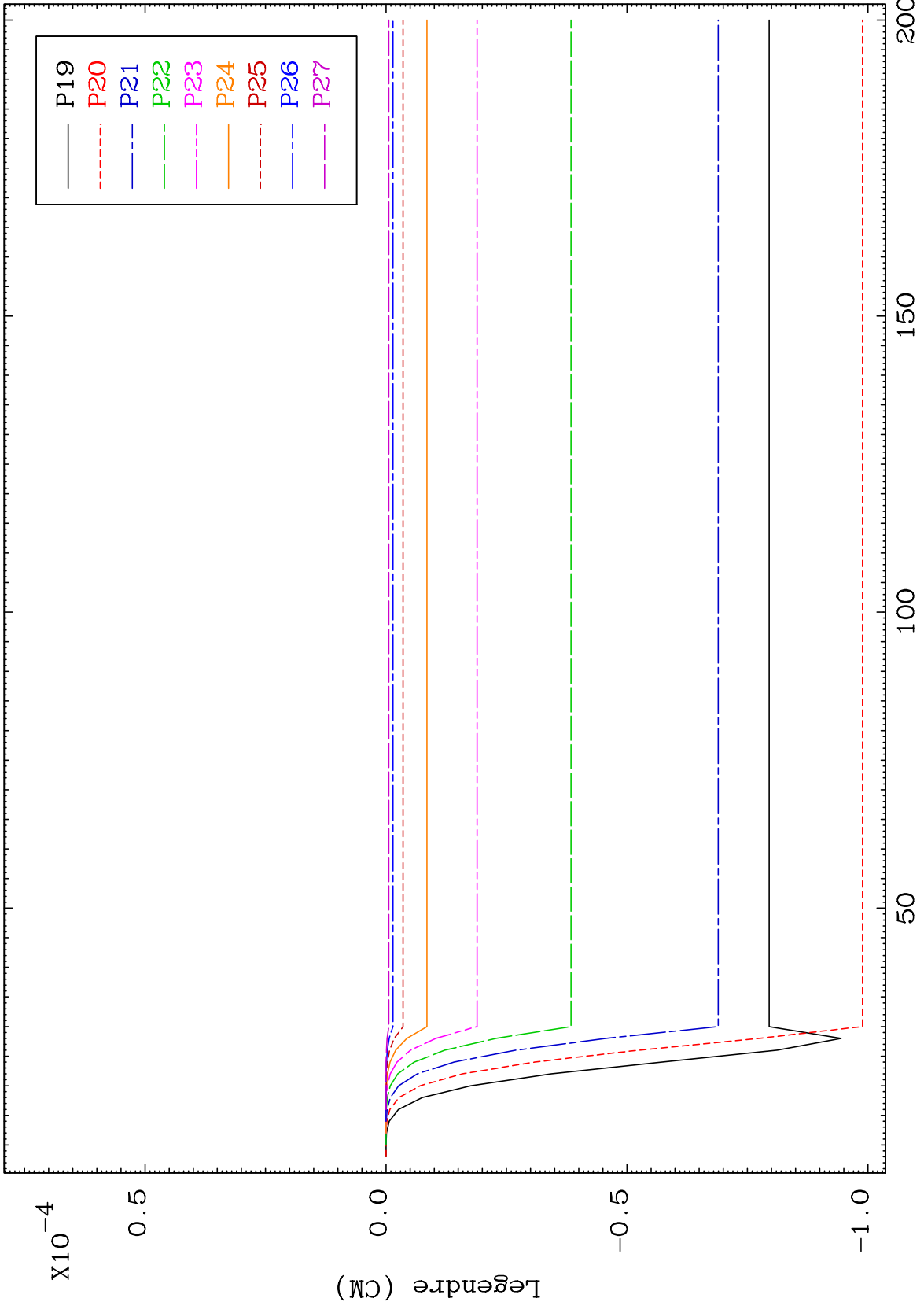
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



109

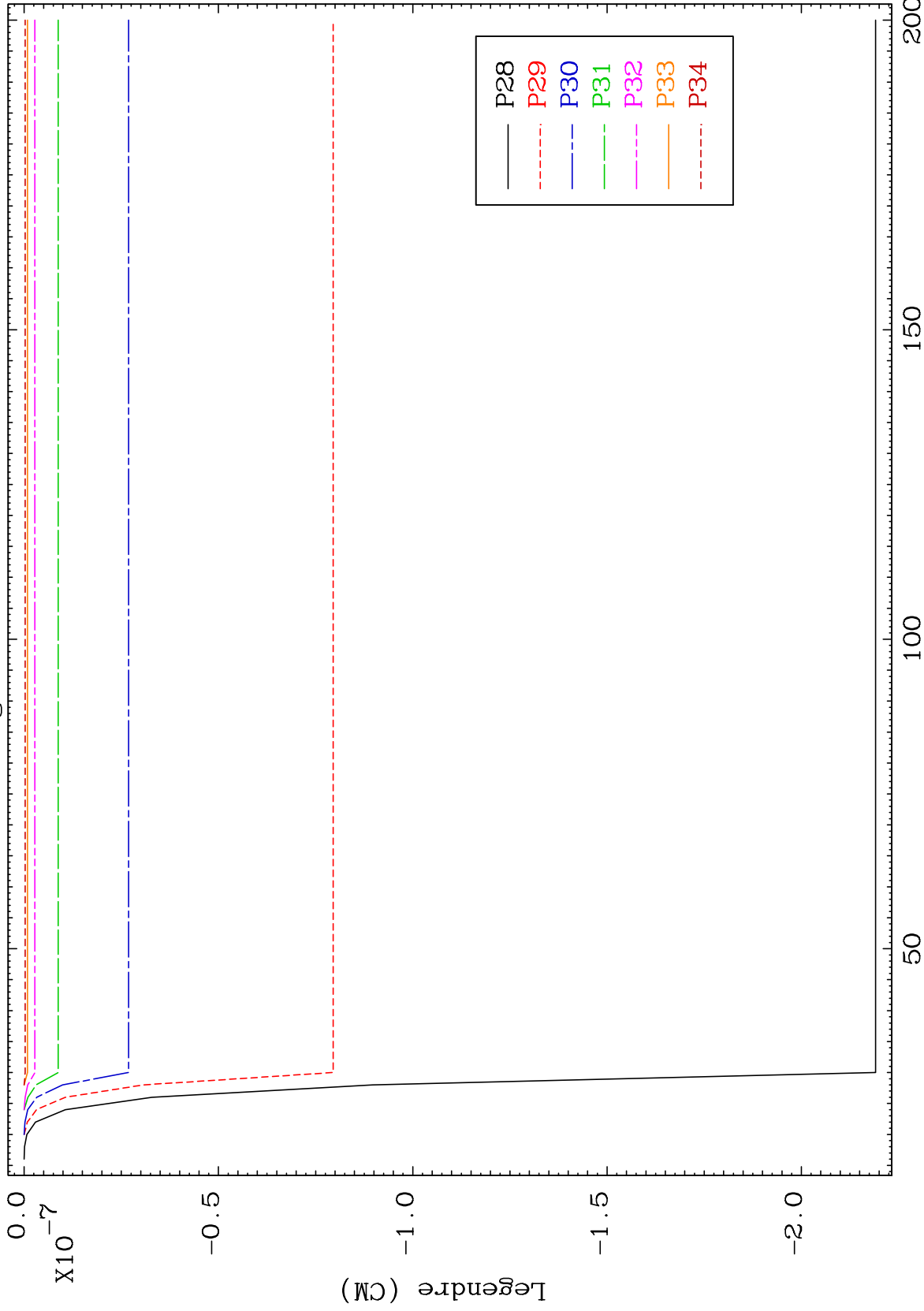
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



41-Nb-94

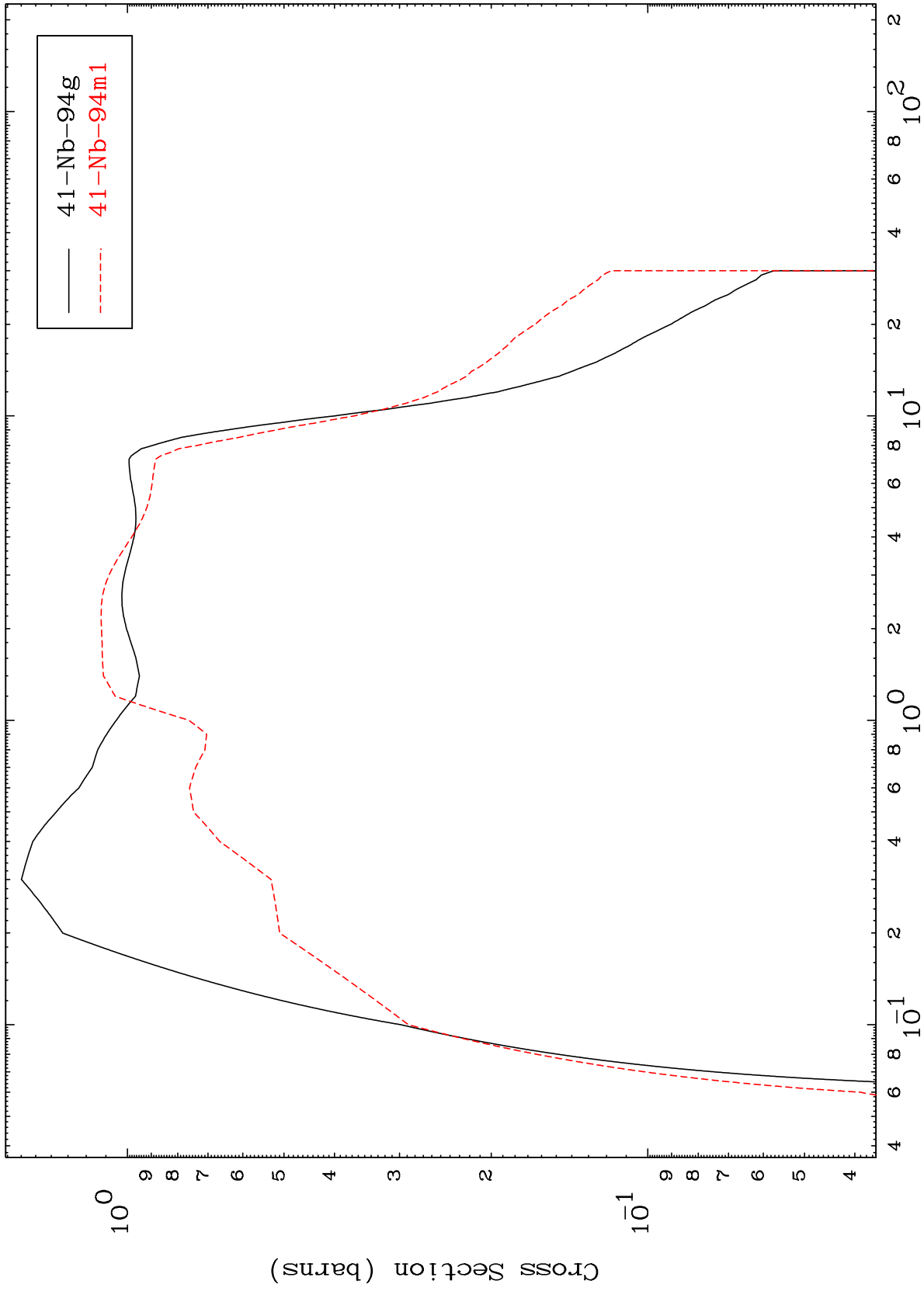
Incident Energy (MeV)

110

MAT 4128

41-Nb-94

Inelastic  
Radionuclide Production Cross Section



111

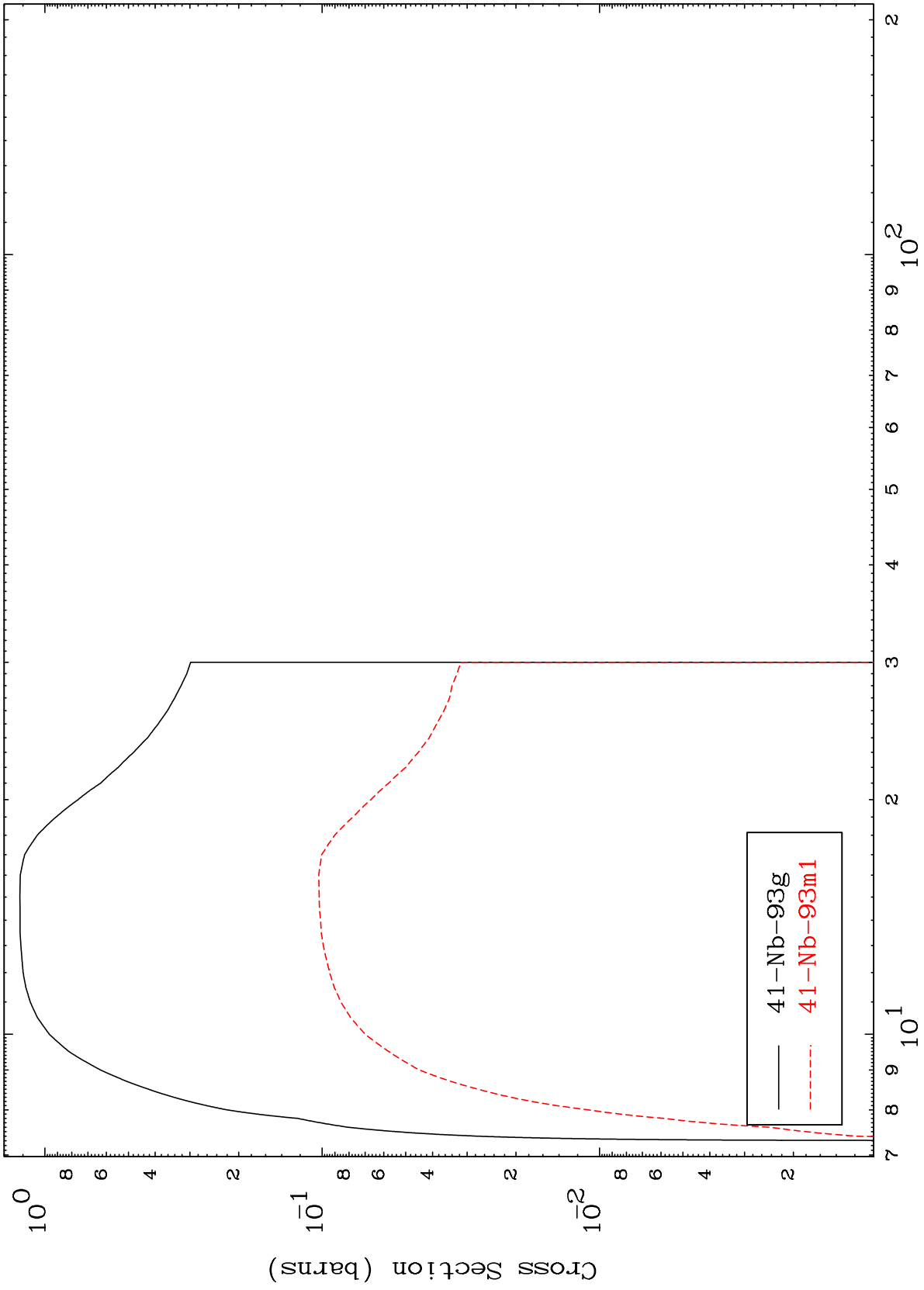
41-Nb-94



MAT 4128

41-Nb-94

(n,2n)  
Radionuclide Production Cross Section



112

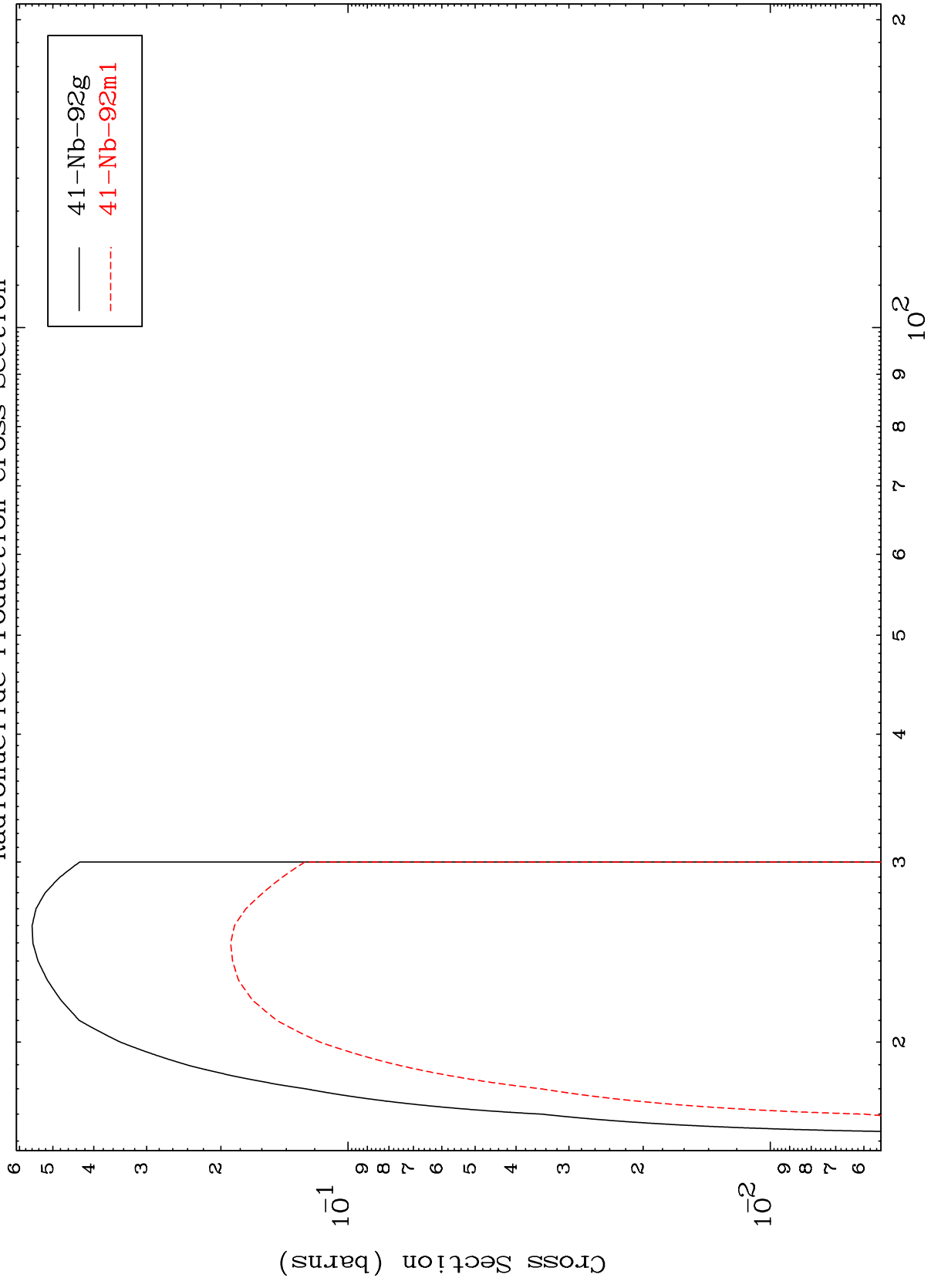
41-Nb-94

MAT 4128

(n,3n)

41-Nb-94

Radionuclide Production Cross Section



113

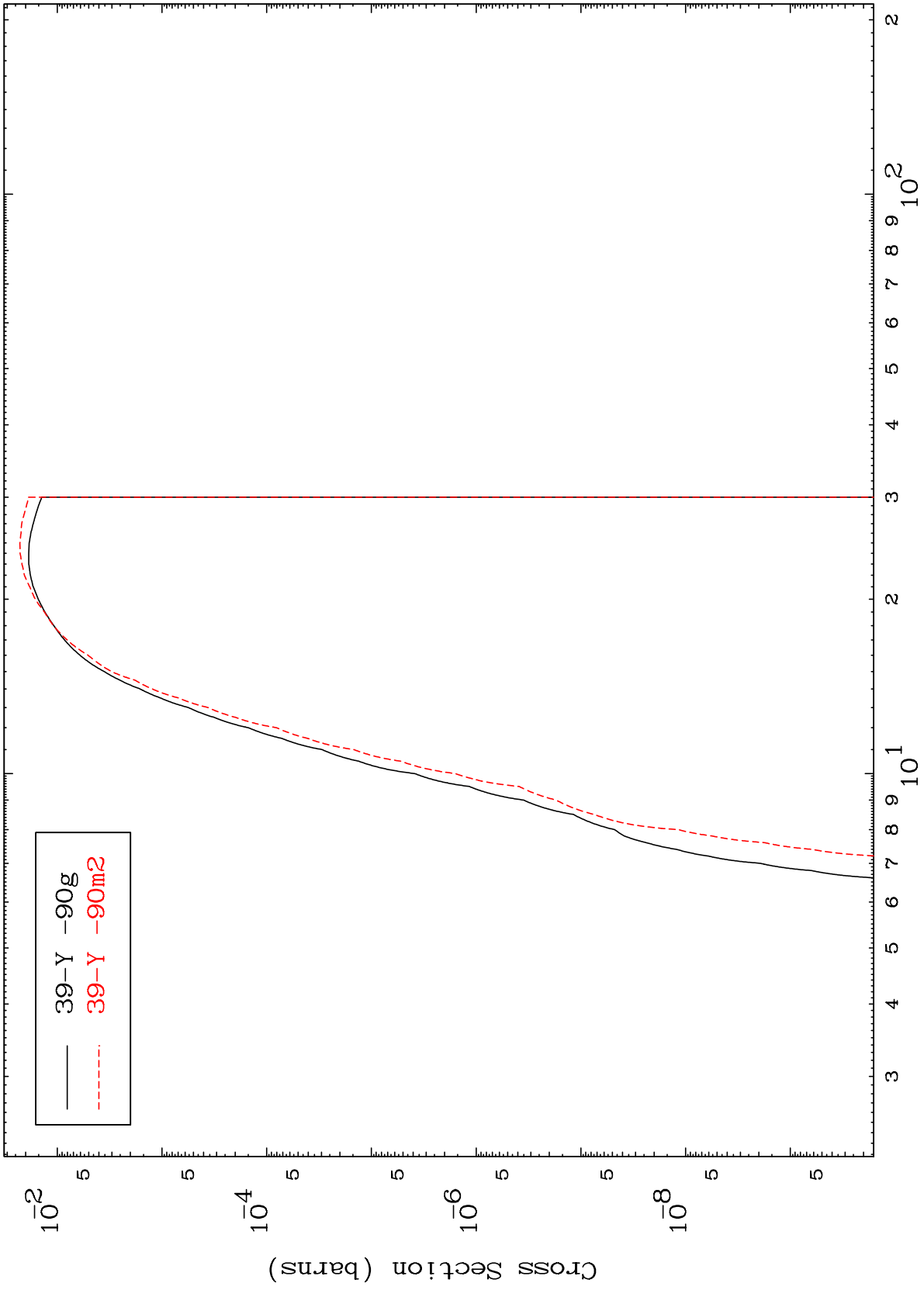
Incident Energy (MeV)

41-Nb-94

MAT 4128

41-Nb-94

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



114

Incident Energy (MeV)

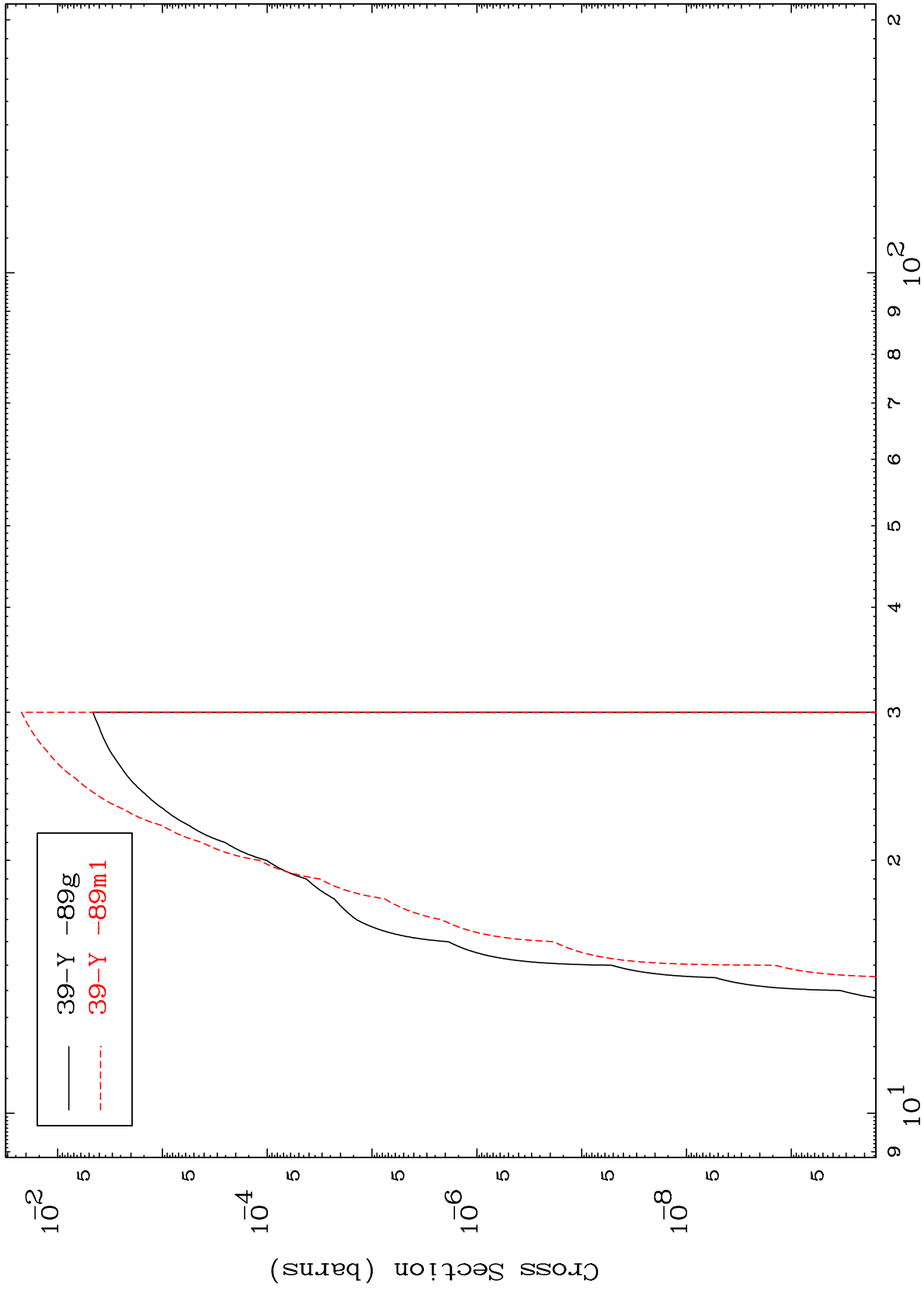
41-Nb-94

MAT 4128

(n,2n)  $\alpha$

41-Nb-94

Radionuclide Production Cross Section



115

Incident Energy (MeV)

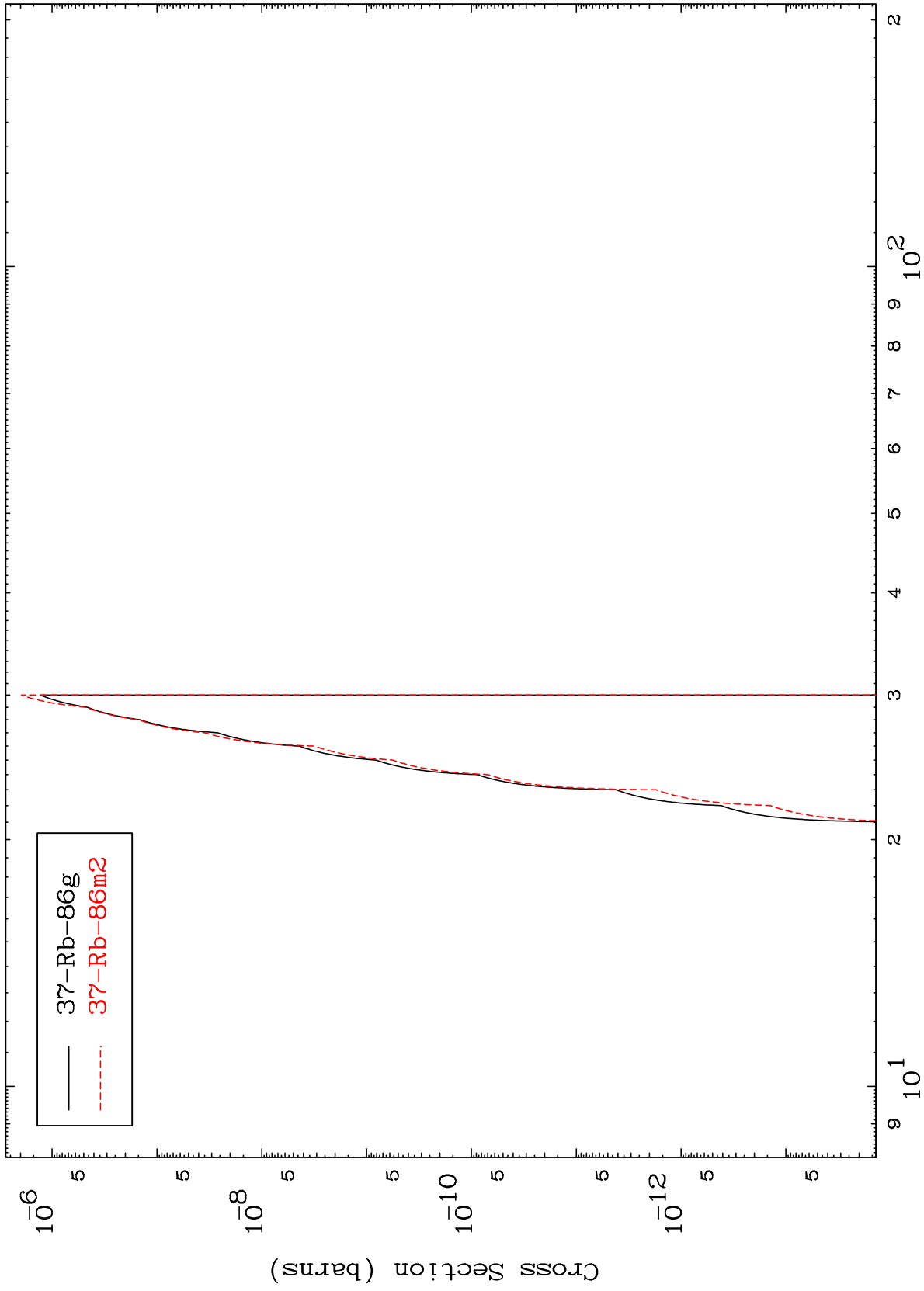
41-Nb-94

MAT 4128

(n,n') 2 $\alpha$

41-Nb-94

Radionuclide Production Cross Section



116

Incident Energy (MeV)

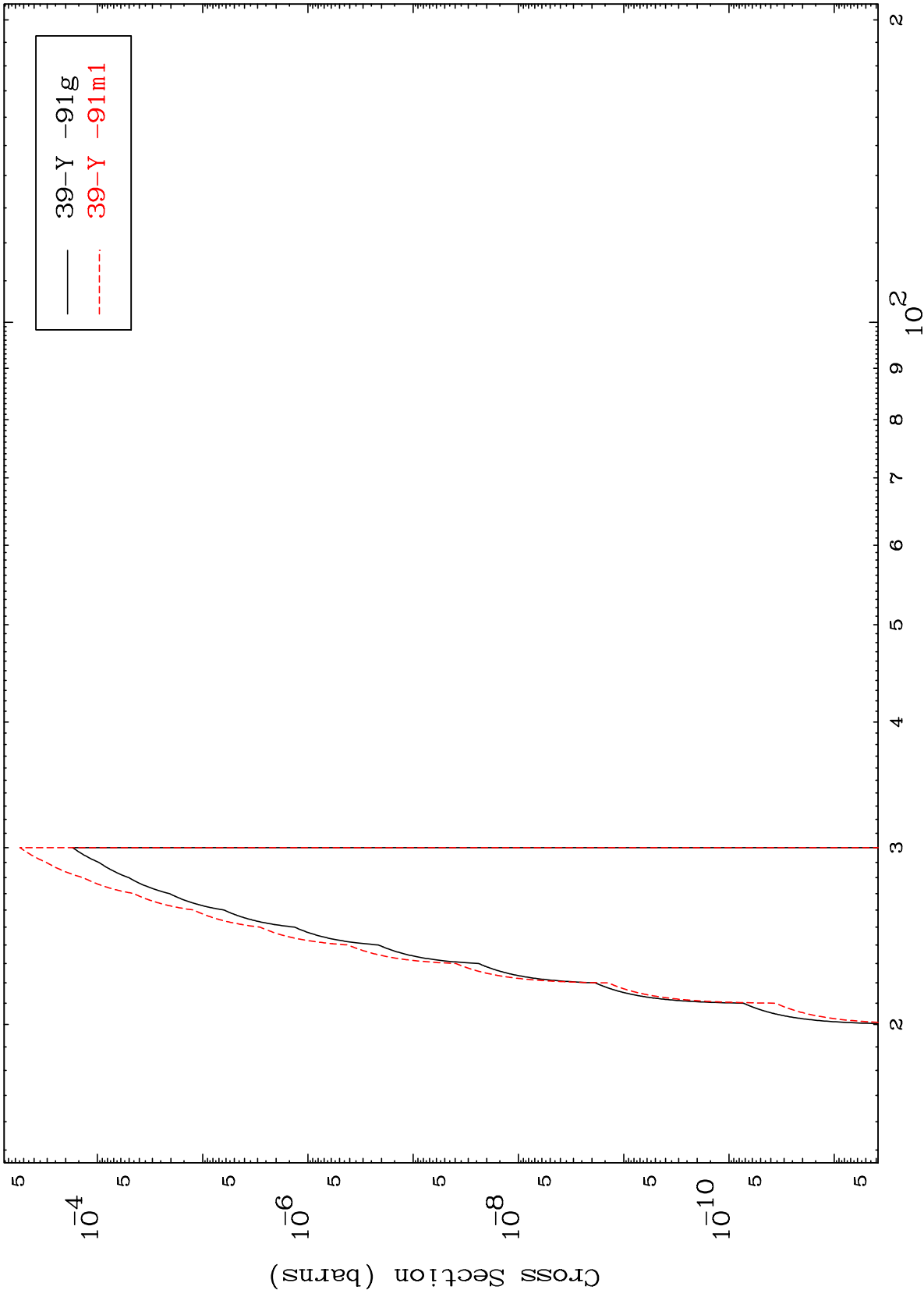
41-Nb-94

MAT 4128

(n, n') He-3

41-Nb-94

Radionuclide Production Cross Section



117

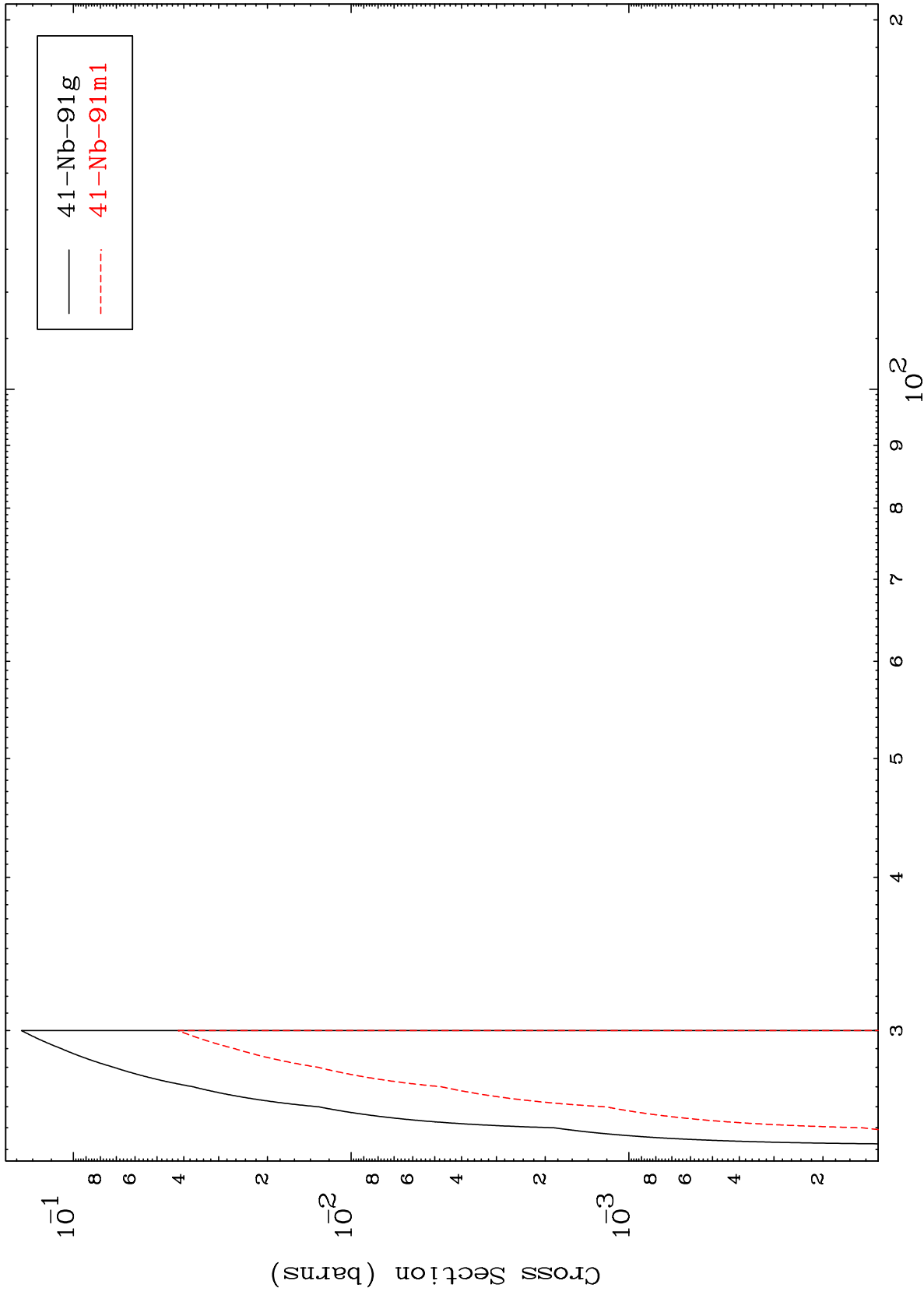
Incident Energy (MeV)

41-Nb-94

MAT 4128

41-Nb-94

(n,4n)  
Radionuclide Production Cross Section



118

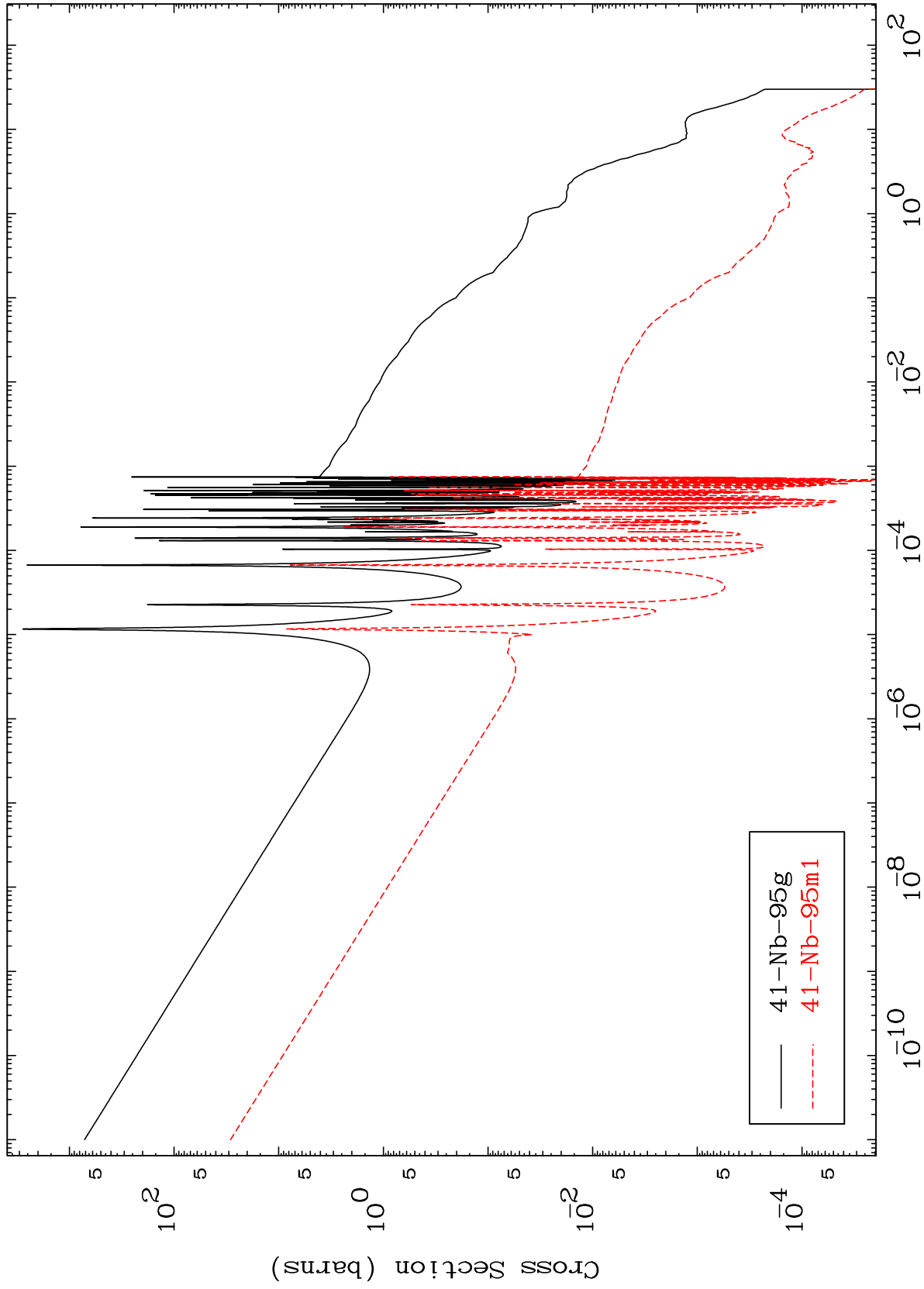
41-Nb-94

MAT 4128

41-Nb-94

Radionuclide Production Cross Section

(n,  $\gamma$ )



119

Incident Energy (MeV)

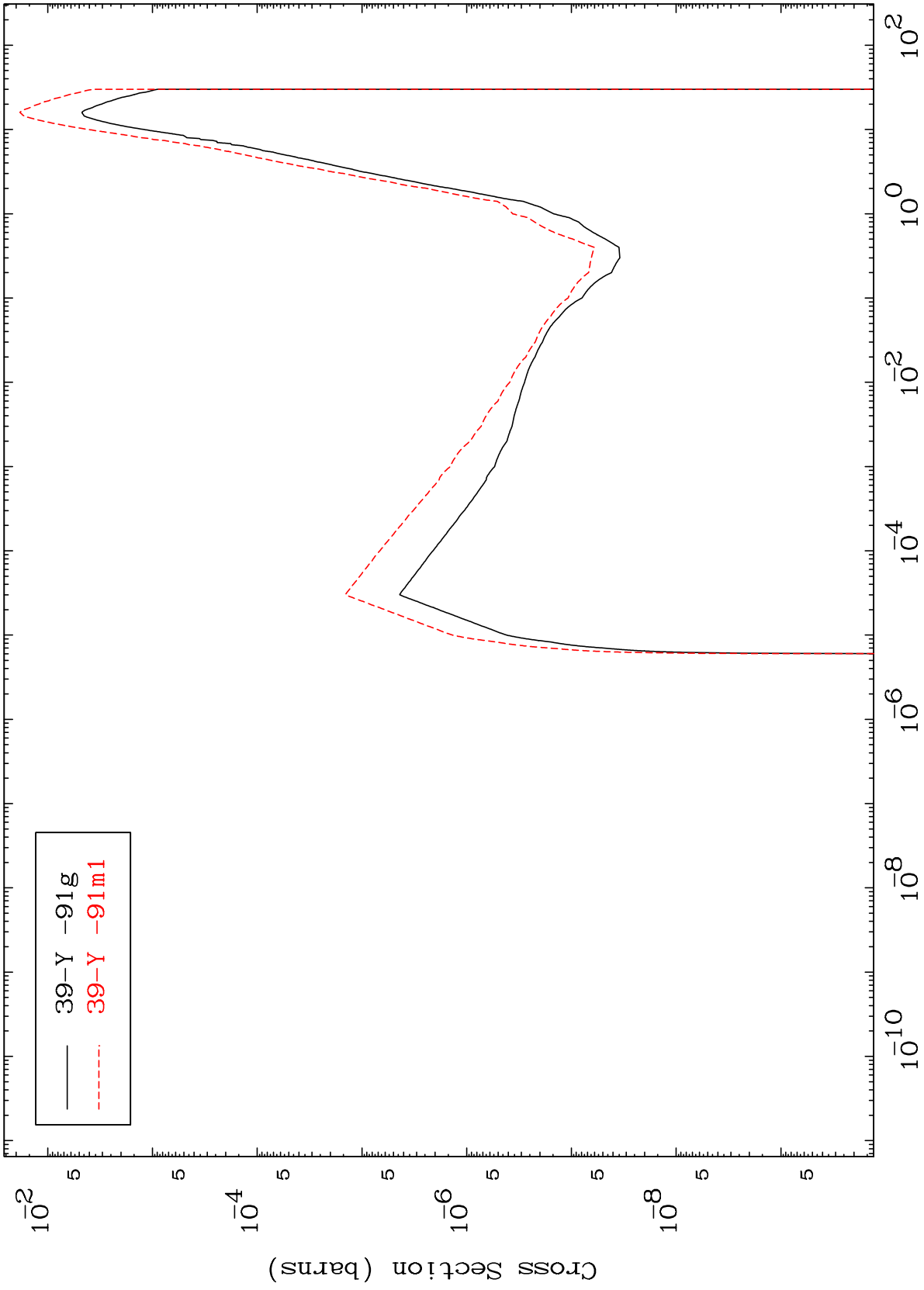
41-Nb-94



MAT 4128

(n,α)  
Radionuclide Production Cross Section

41-Nb-94



120

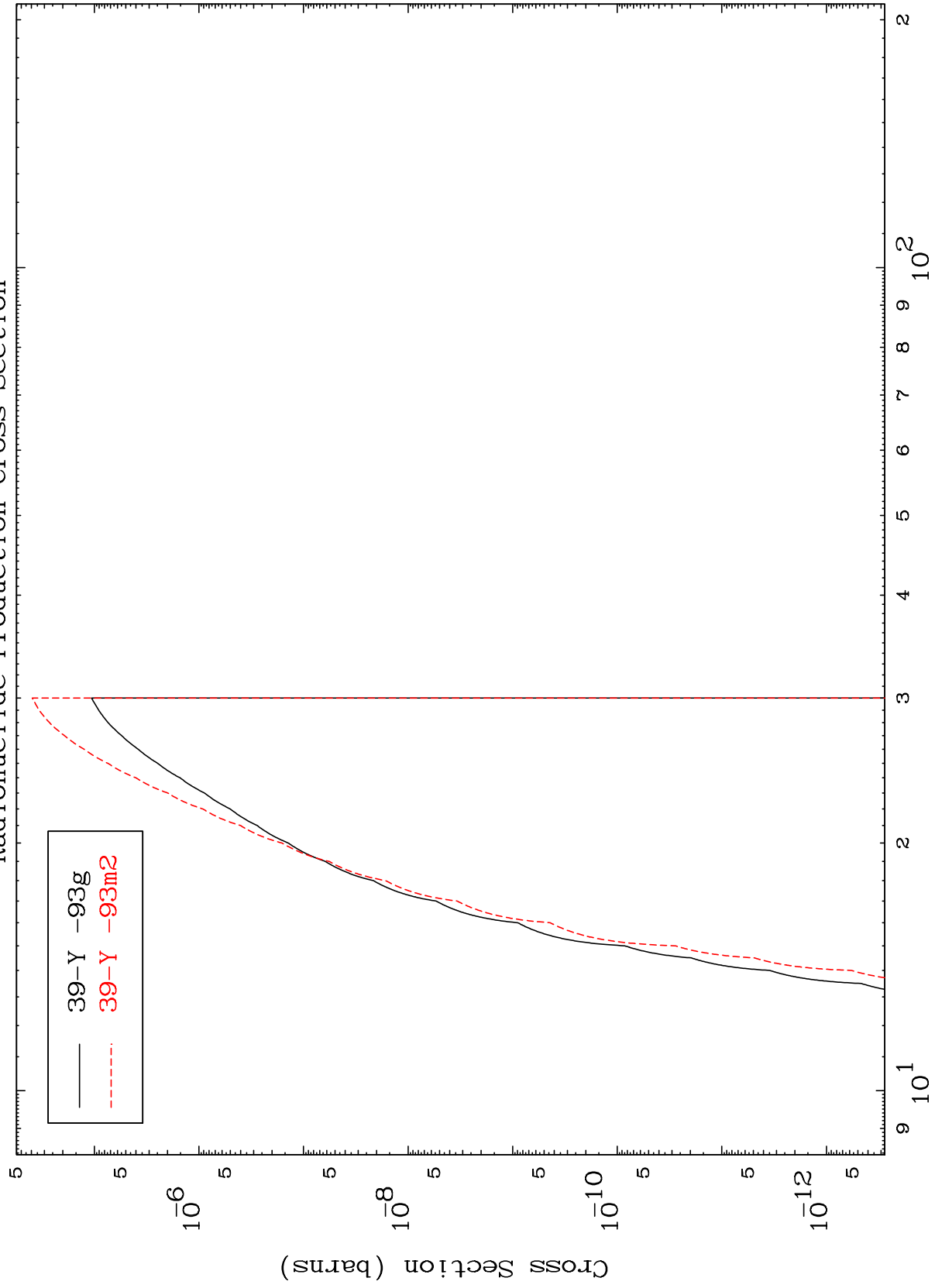
Incident Energy (MeV)

41-Nb-94

MAT 4128

41-Nb-94

Radionuclide Production Cross Section  
(n,2p)



121

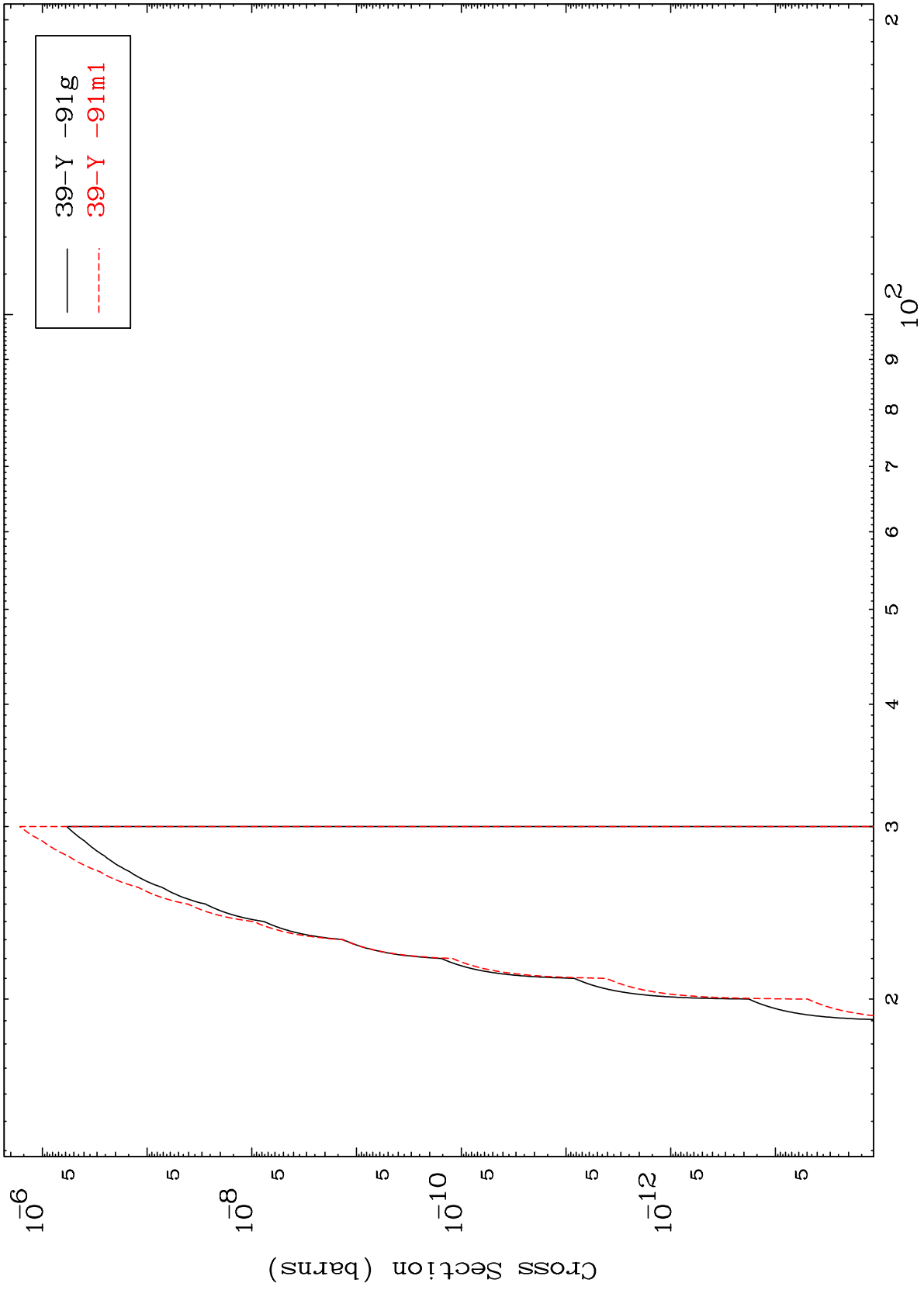
41-Nb-94

MAT 4128

(n,p) t

41-Nb-94

Radionuclide Production Cross Section



122

Incident Energy (MeV)

41-Nb-94