

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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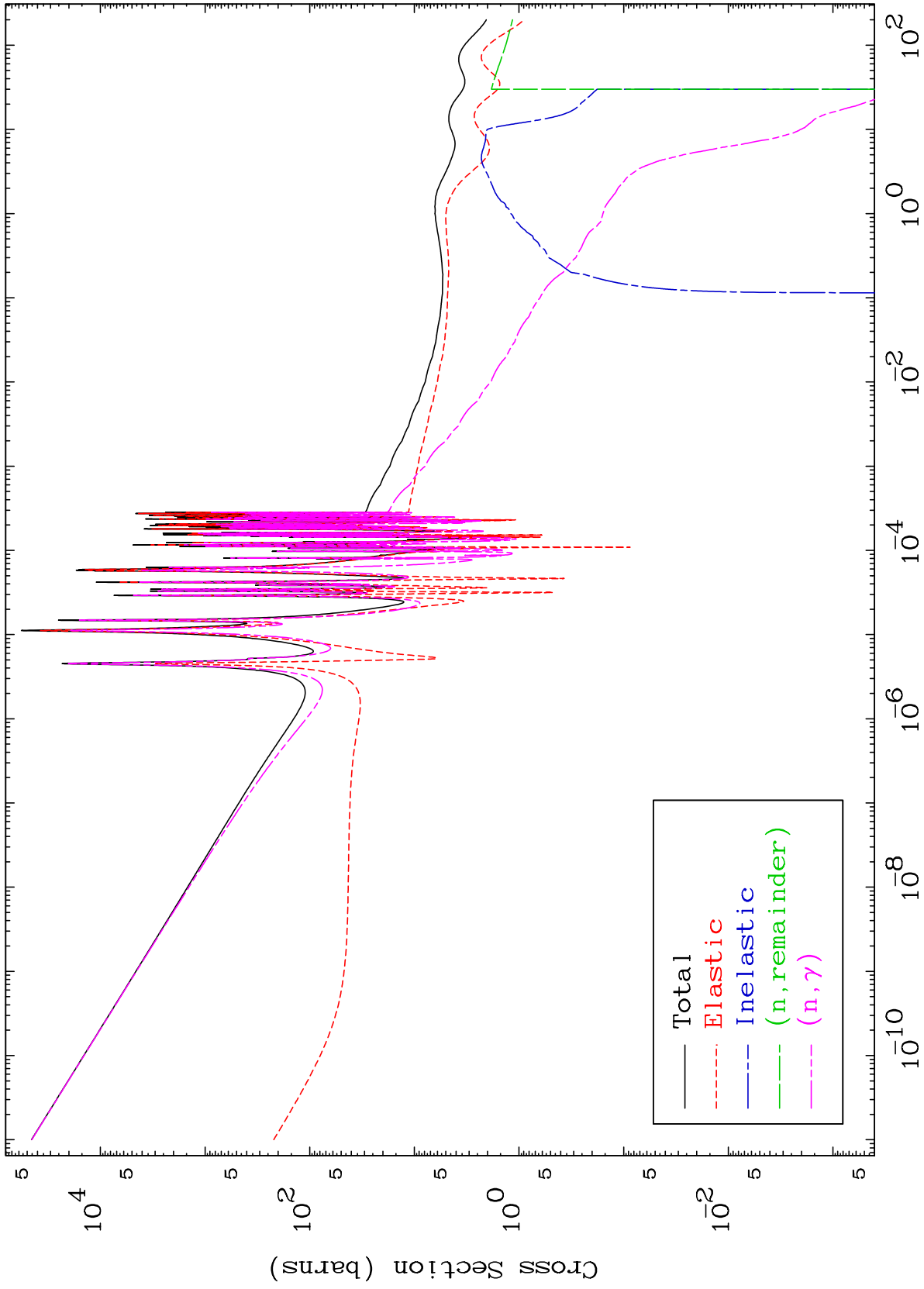
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

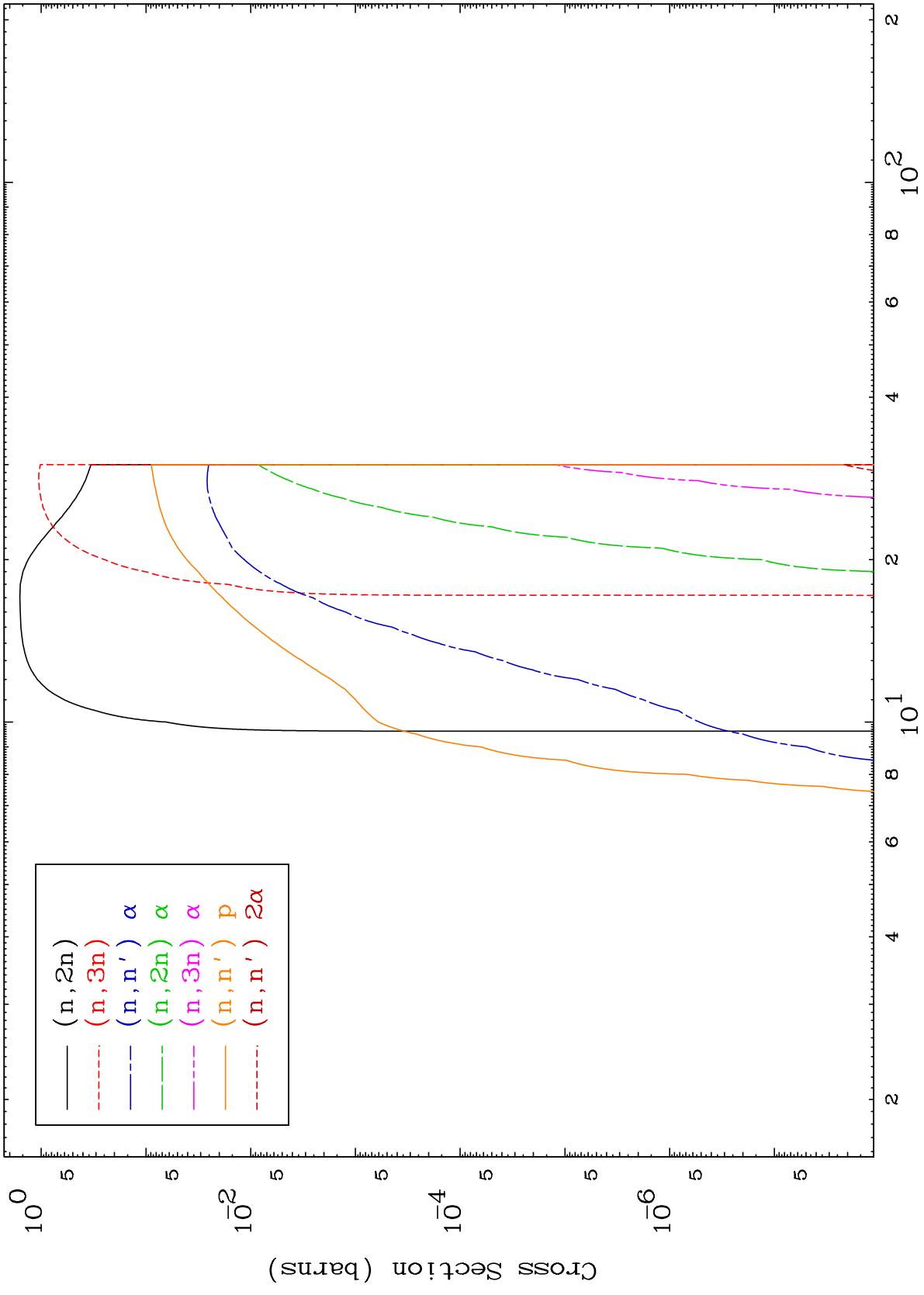
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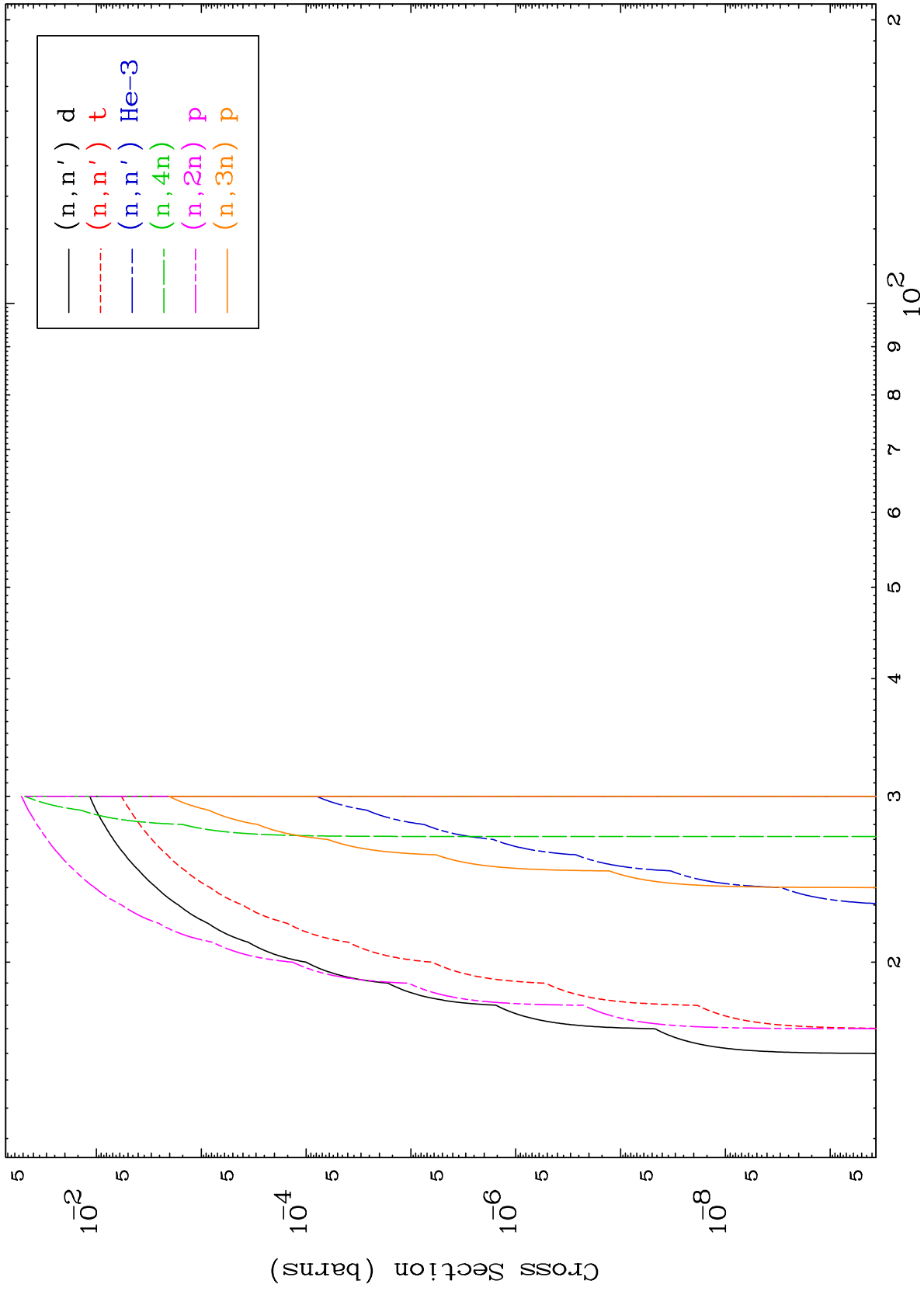
MAT 5319

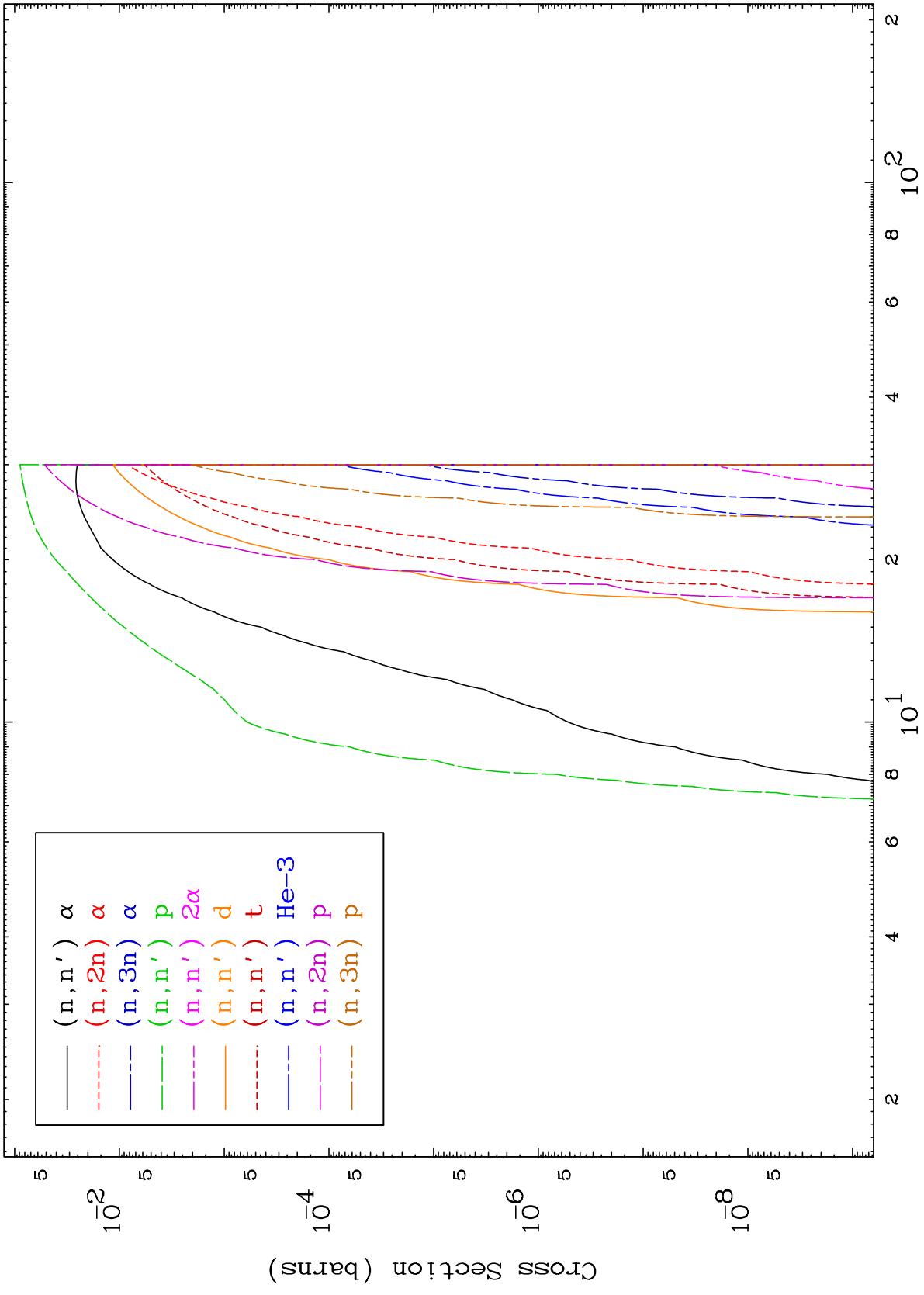
Major  
293 Kelvin Cross Sections

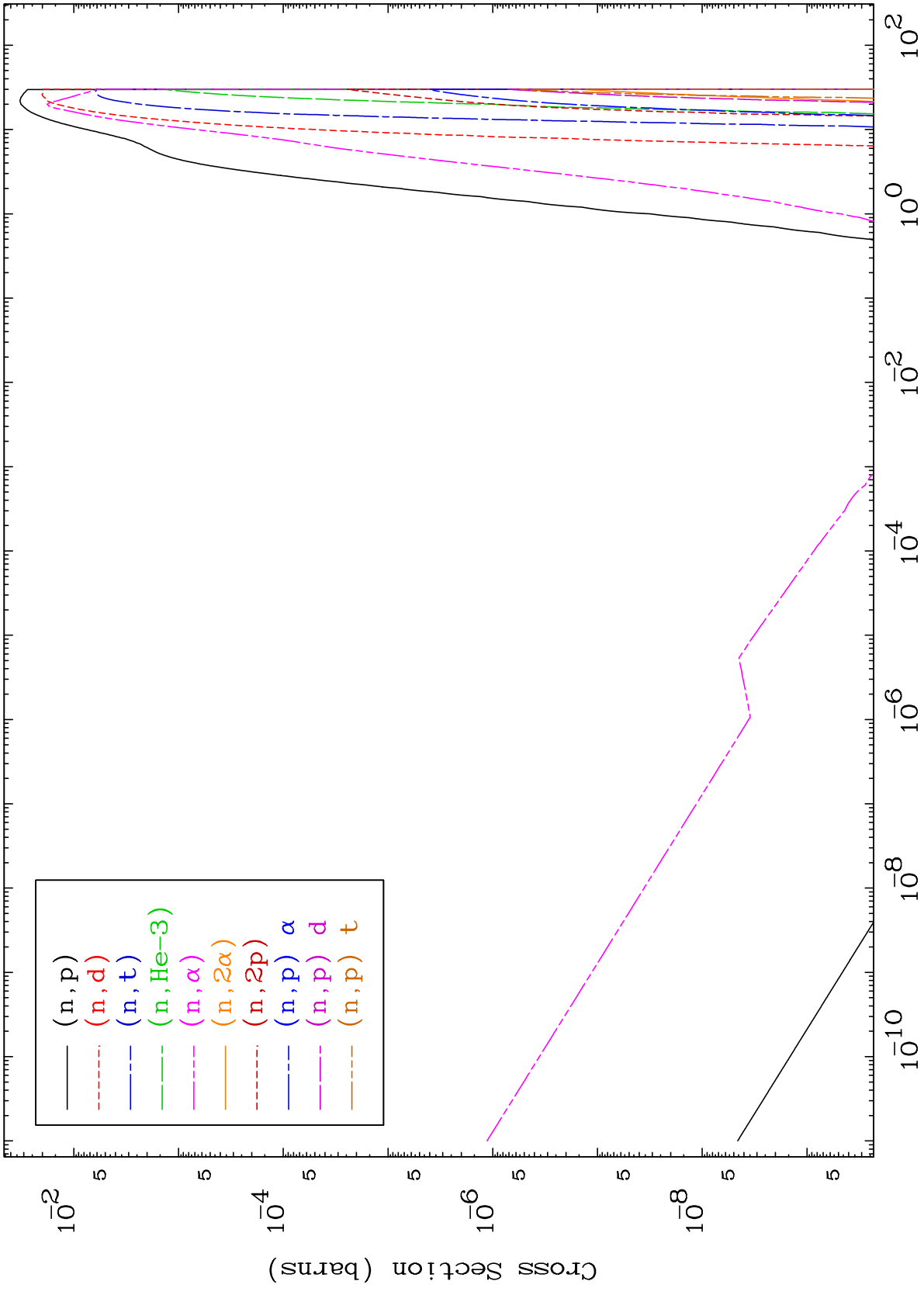
53-I -125

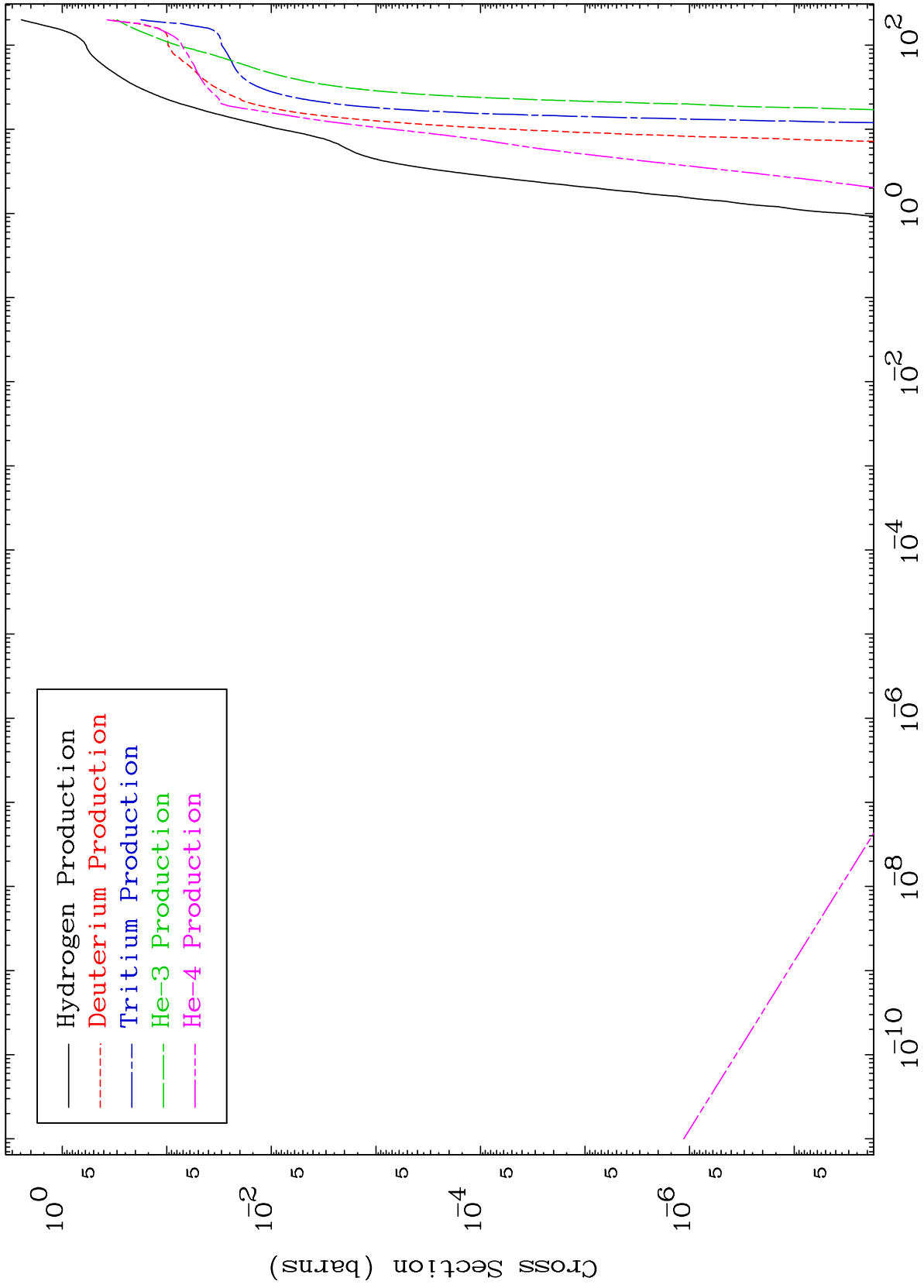


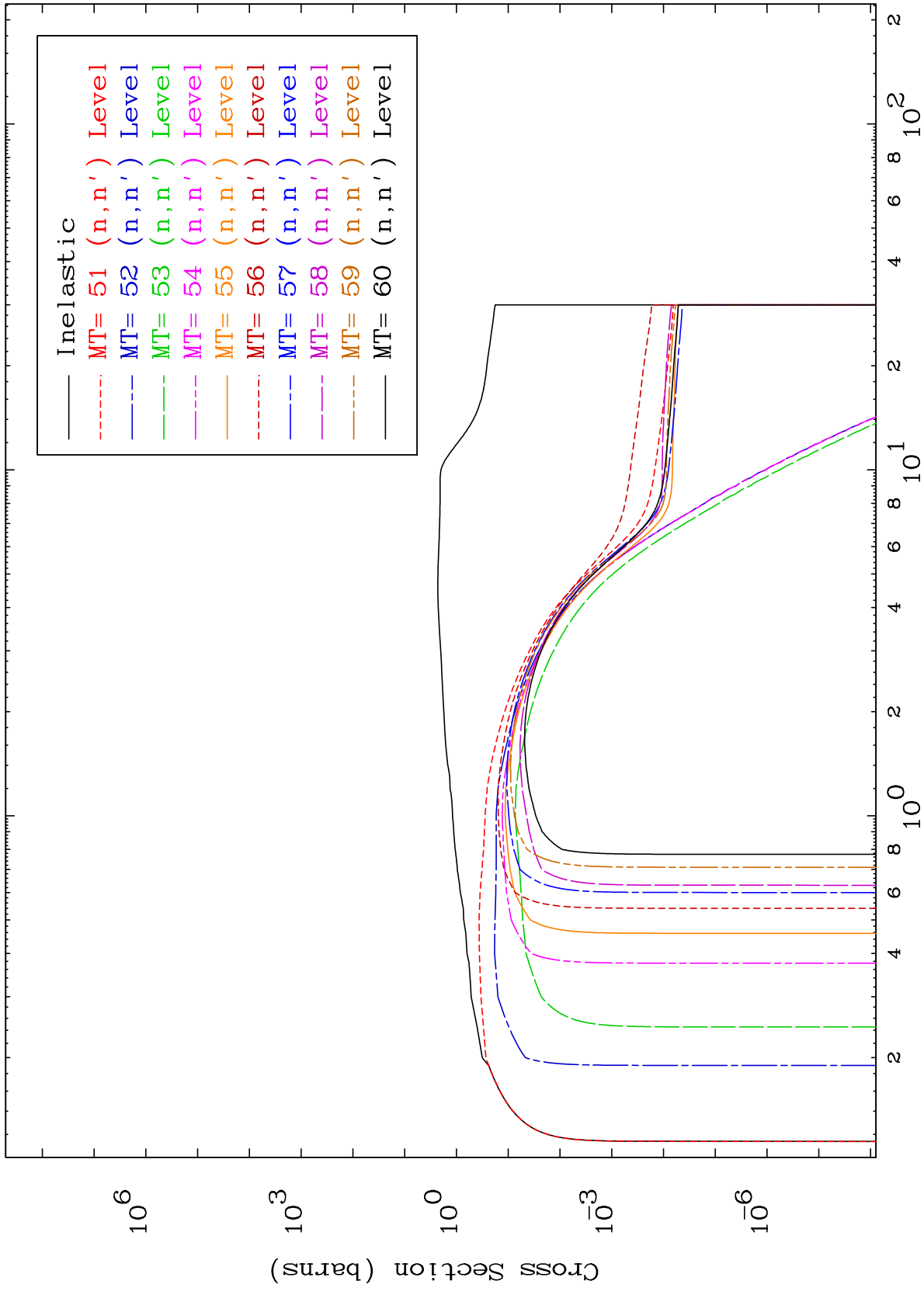










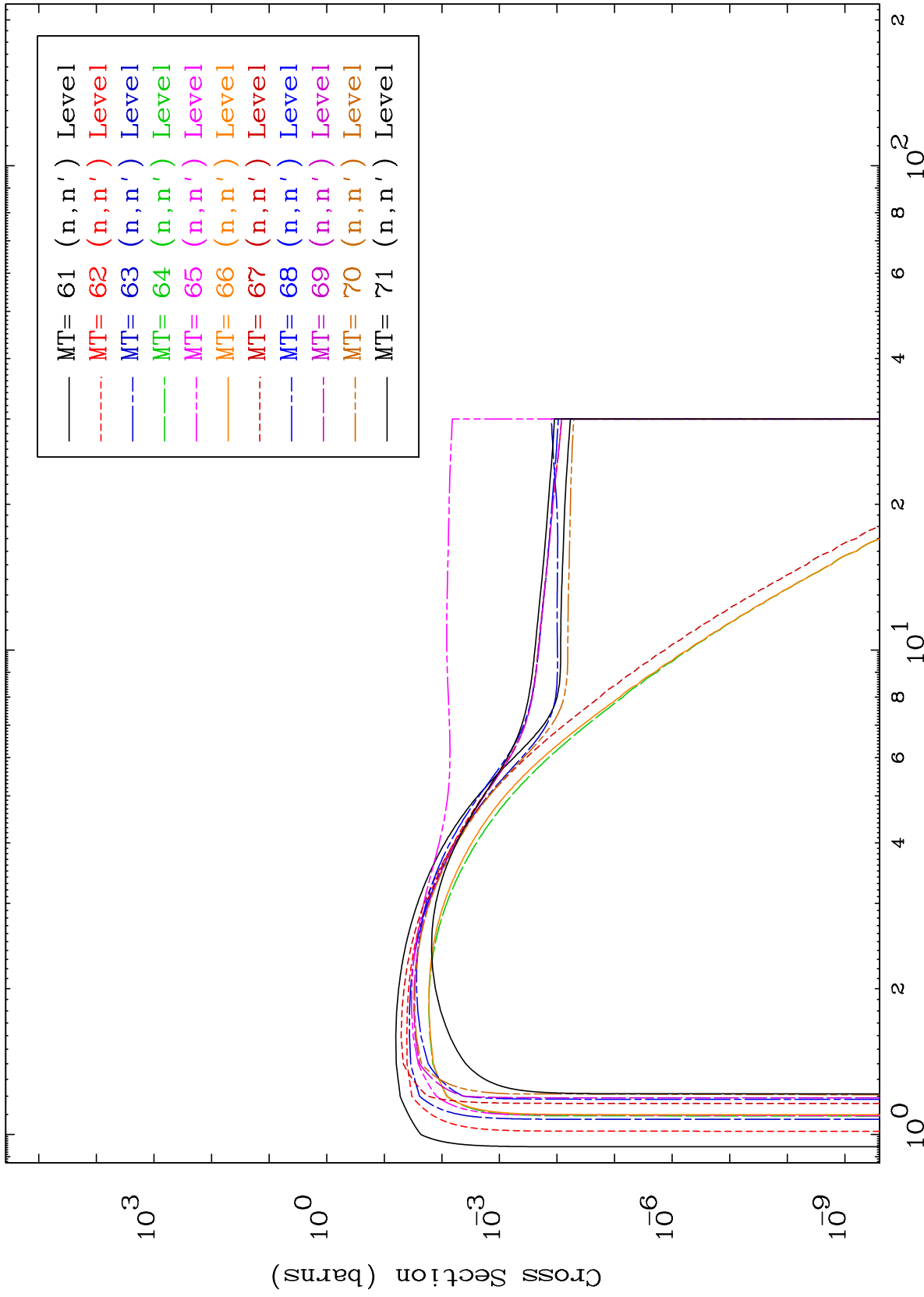




MAT 5319

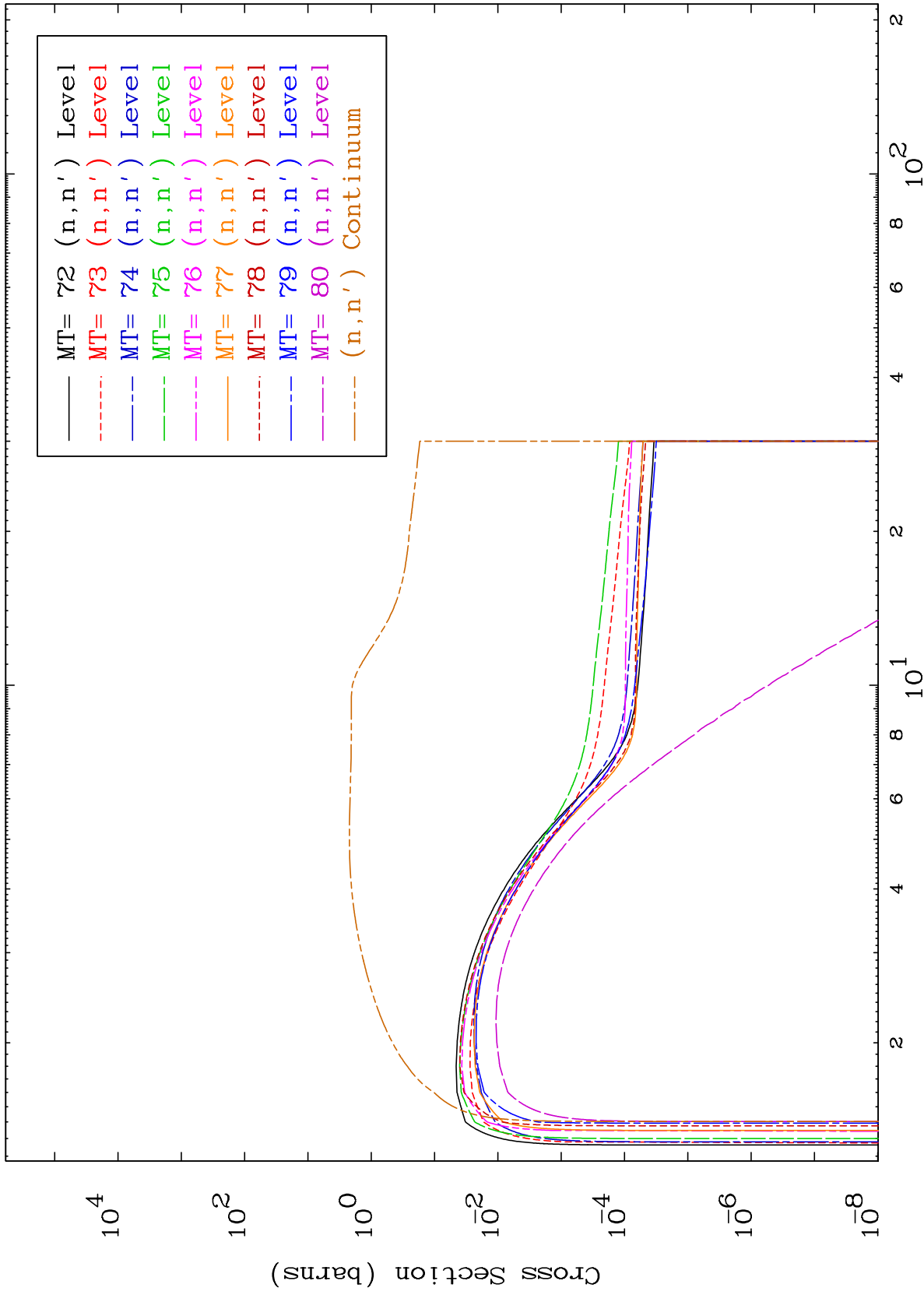
(n,n') Level  
293 Kelvin Cross Sections

53-I -125



Incident Energy (MeV)

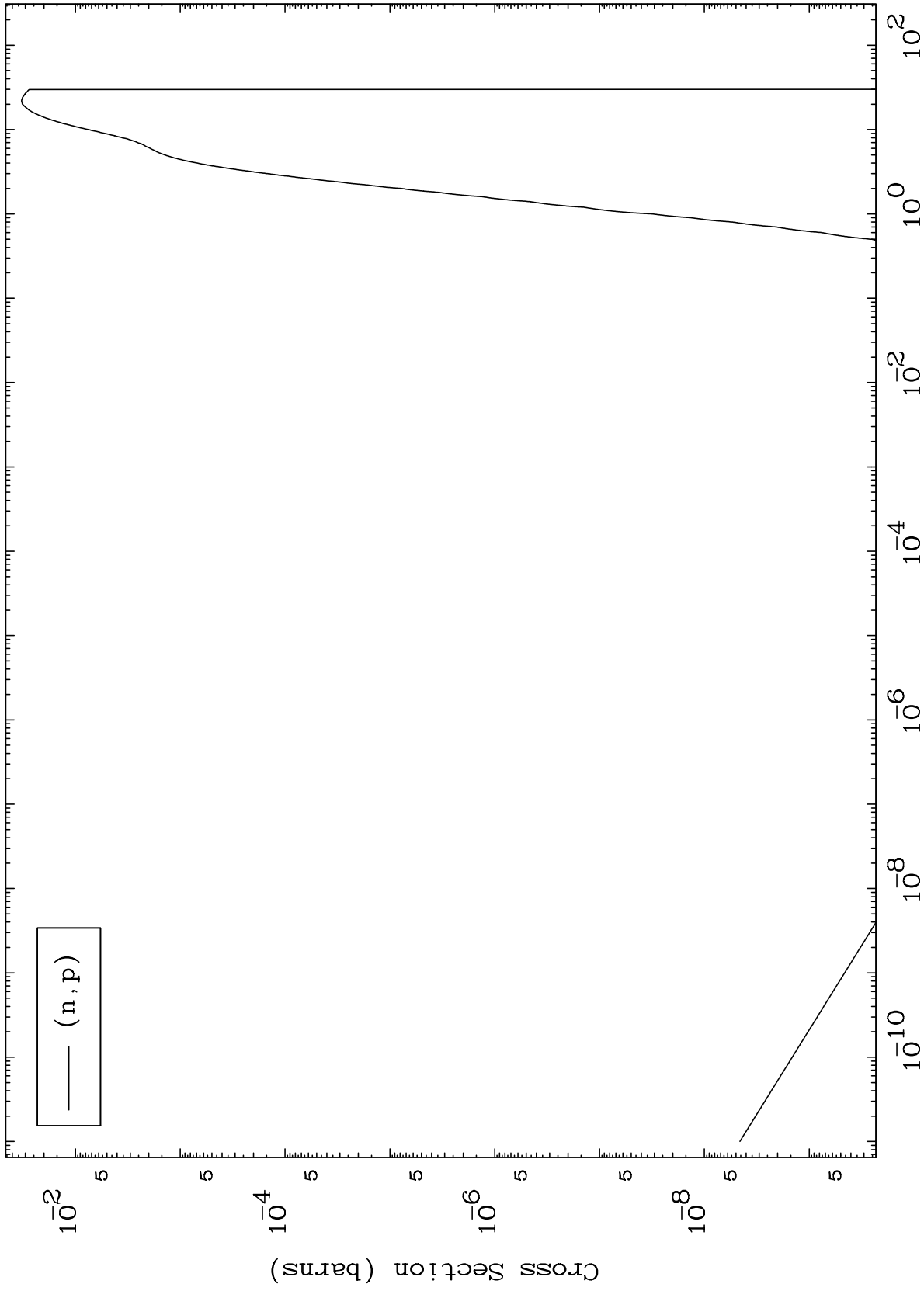
53-I -125



MAT 5319

(n,p) Levels  
293 Kelvin Cross Sections

53-I -125



10

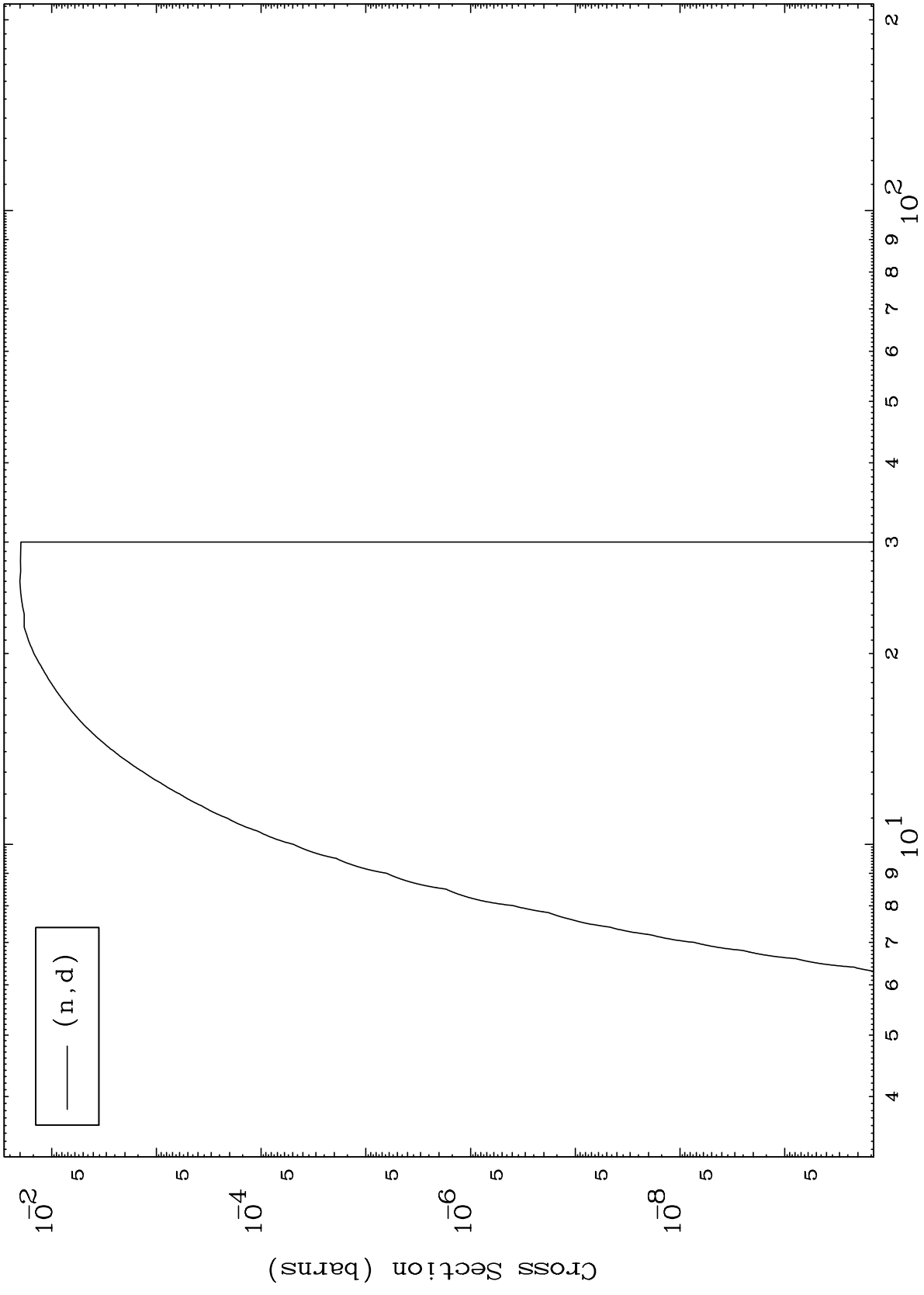
Incident Energy (MeV)

53-I -125

MAT 5319

(n,d) Levels  
293 Kelvin Cross Sections

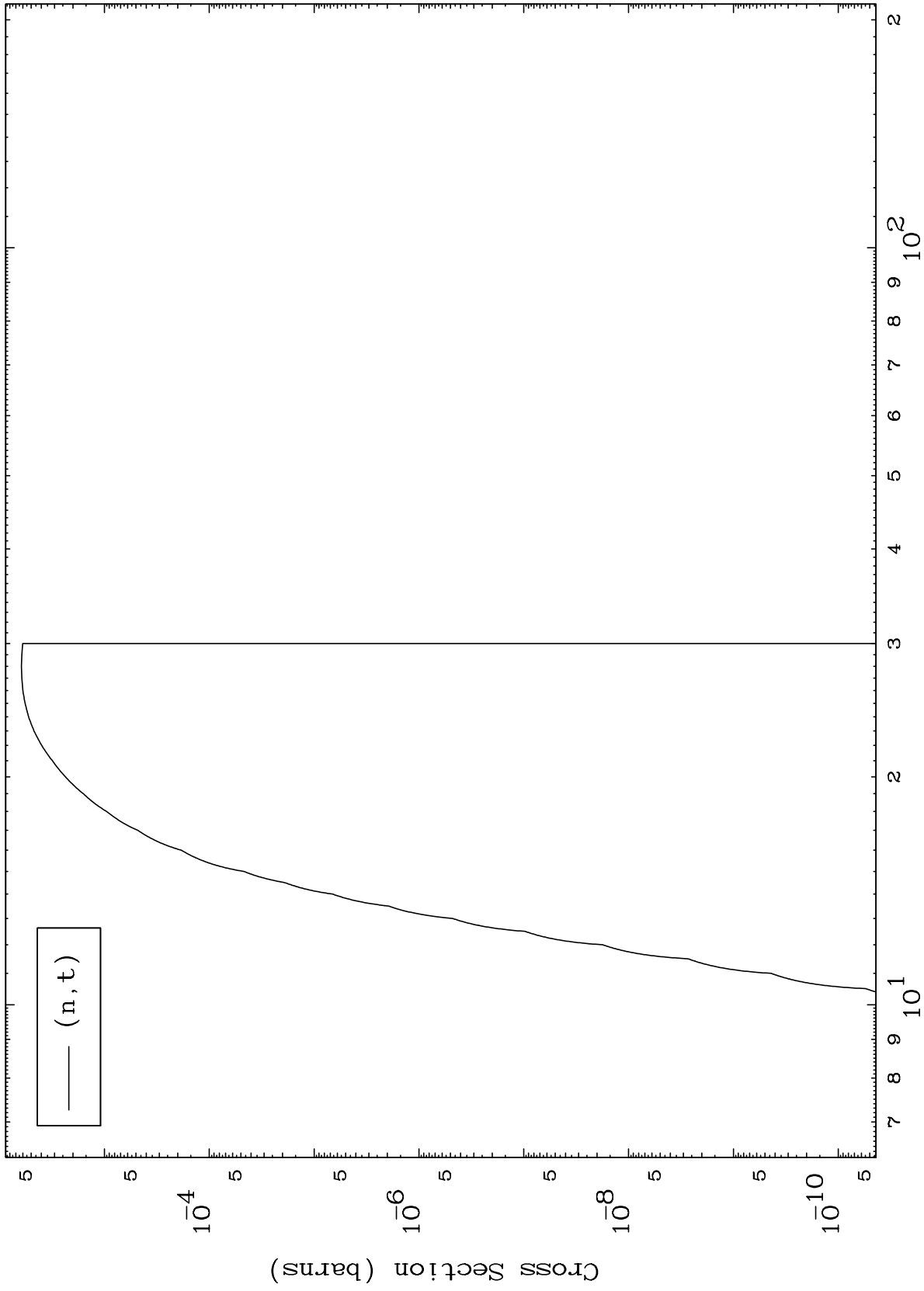
53-I -125



MAT 5319

(n,t) Levels  
293 Kelvin Cross Sections

53-I -125



12

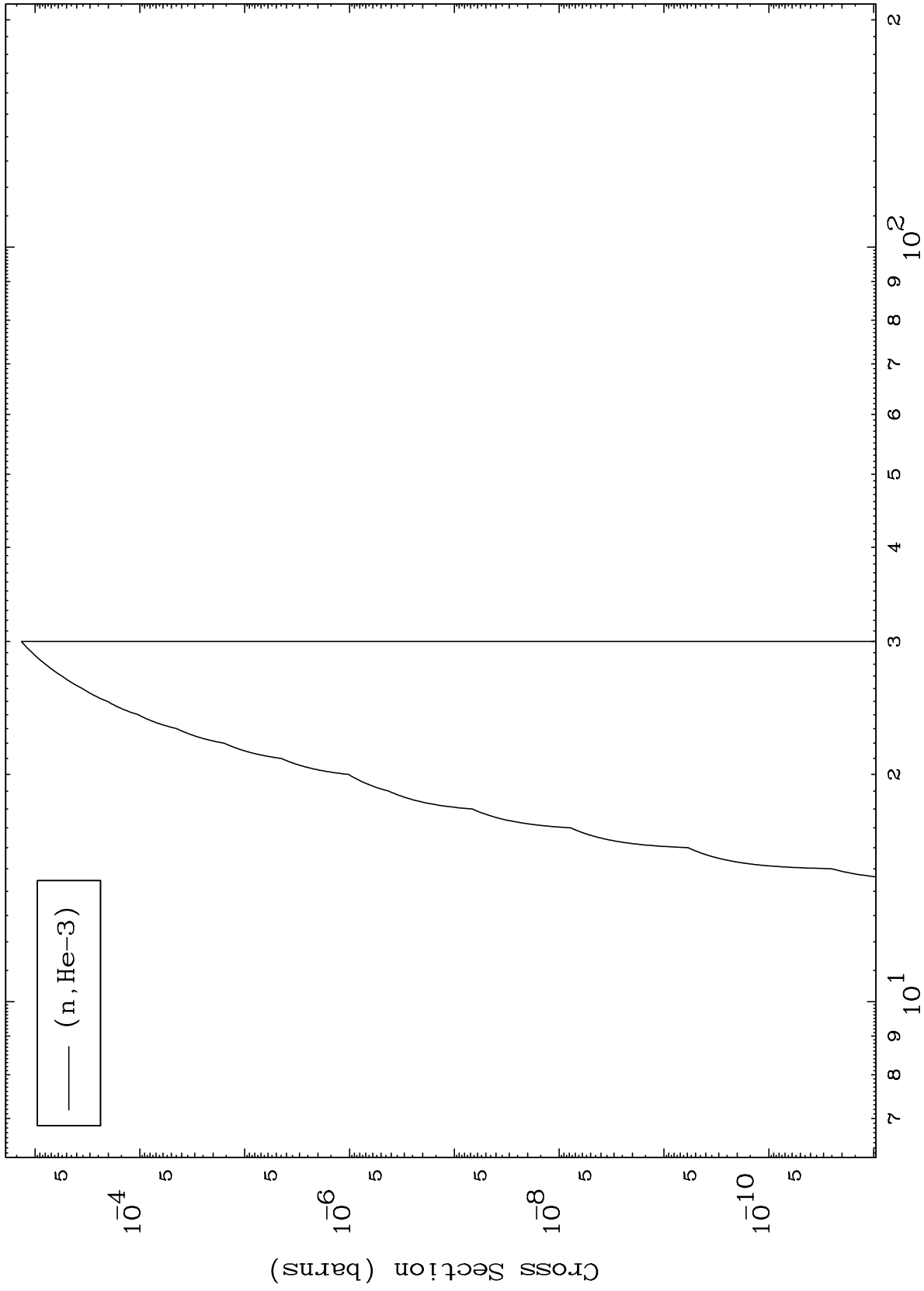
Incident Energy (MeV)

53-I -125

MAT 5319

(n,He3) Levels  
293 Kelvin Cross Sections

53-I -125



13

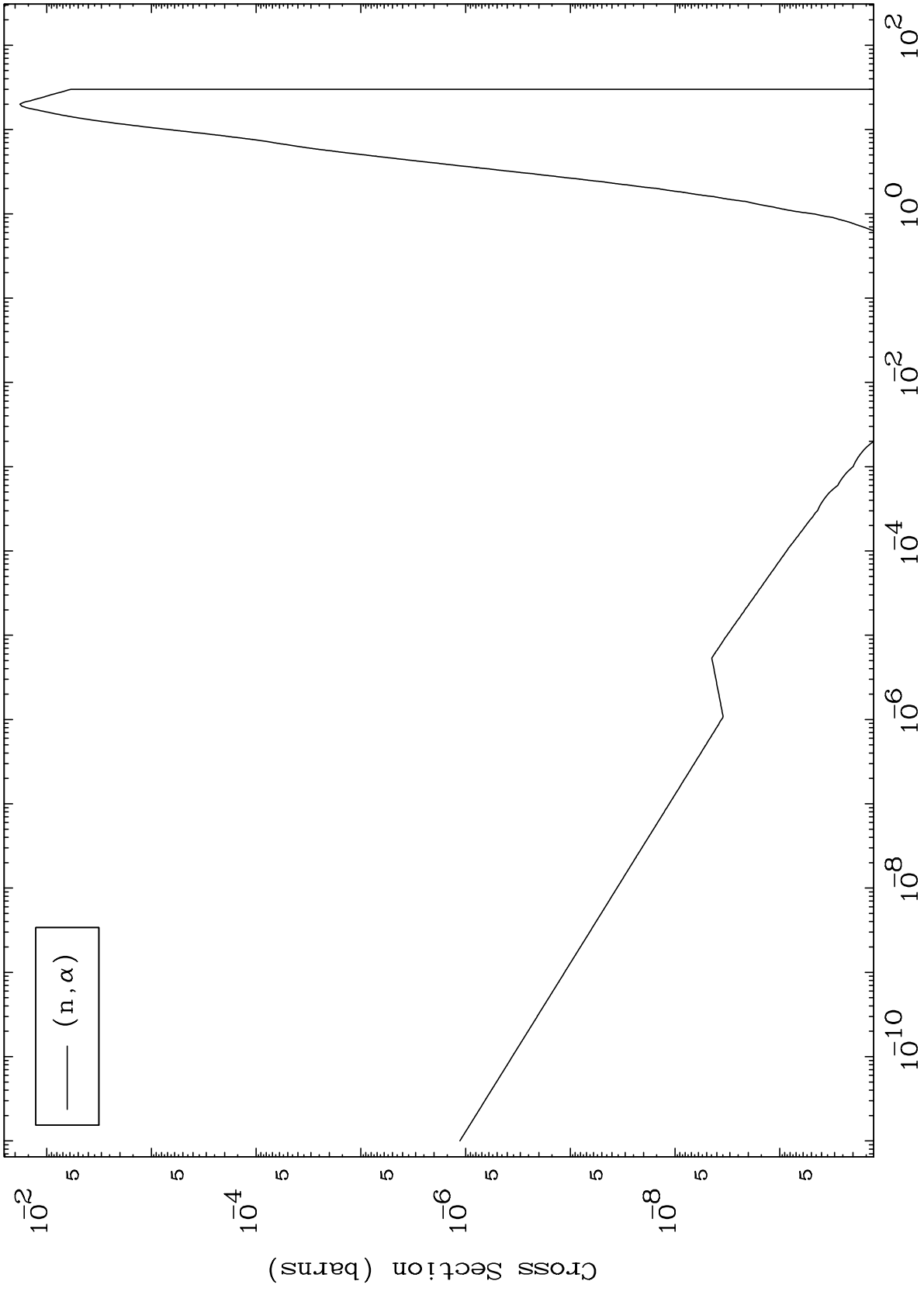
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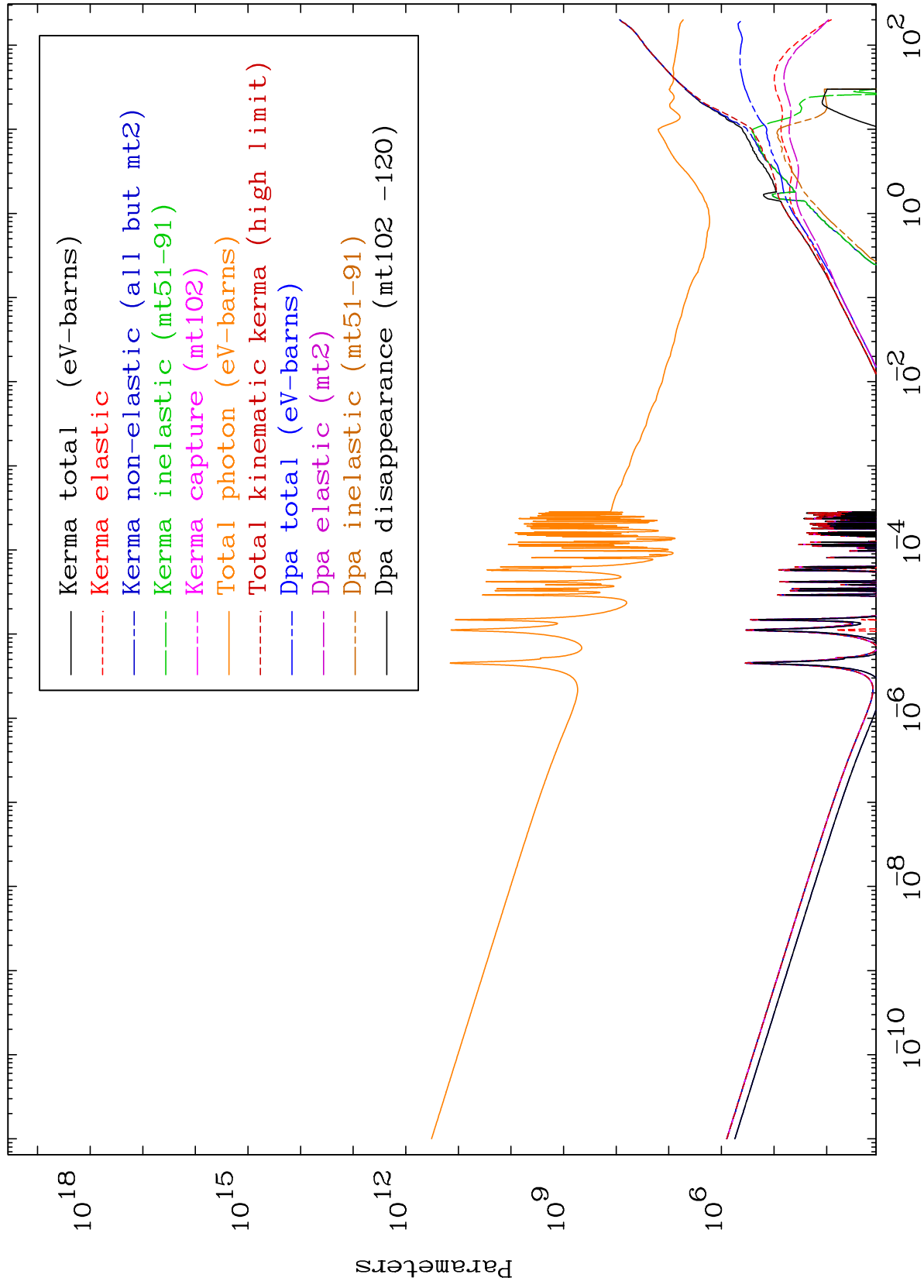
53-I -125

MAT 5319

(n,α) Levels  
293 Kelvin Cross Sections

53-I -125



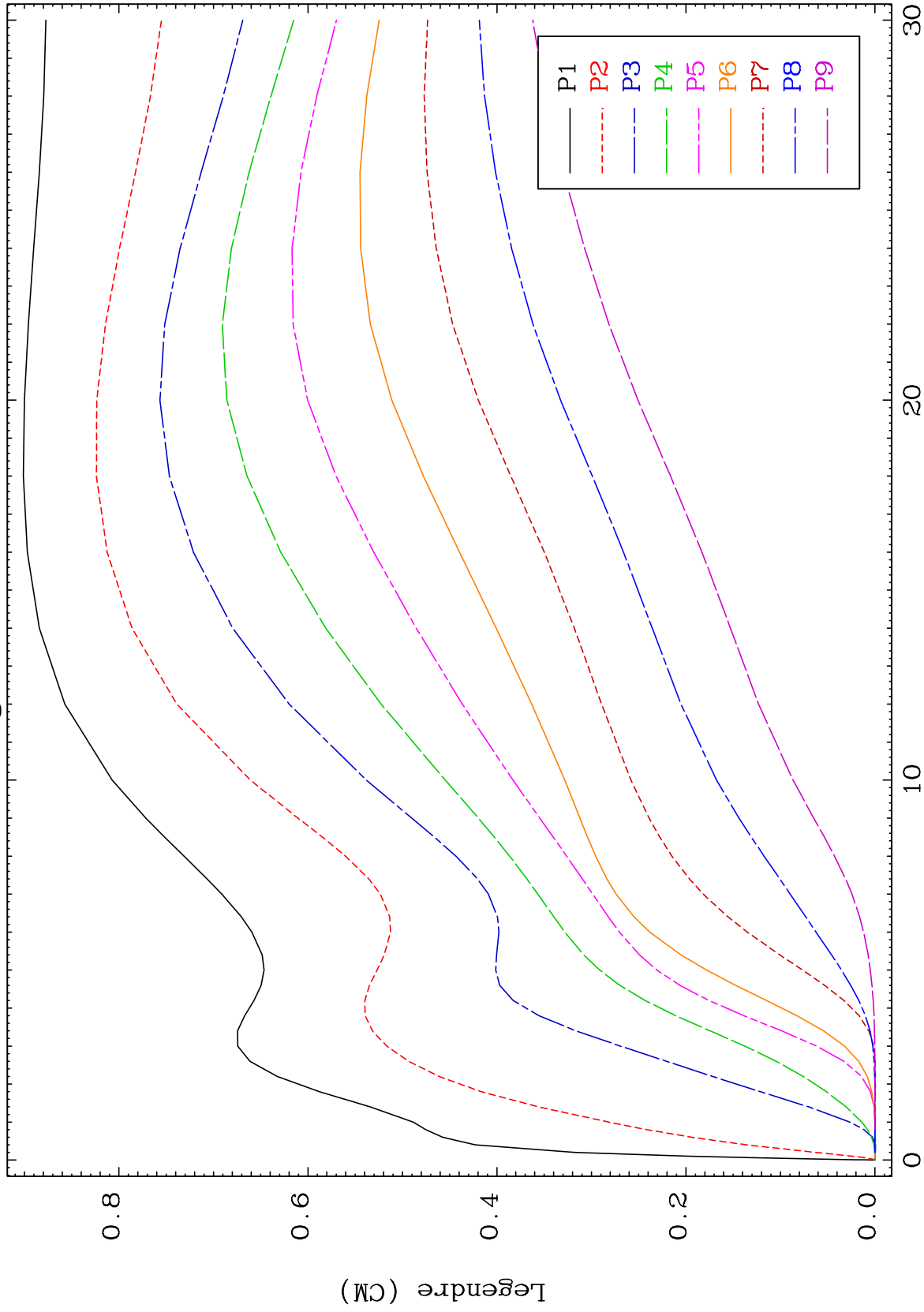




MAT 5319

Elastic Legendre Coefficients

53-I -125



16

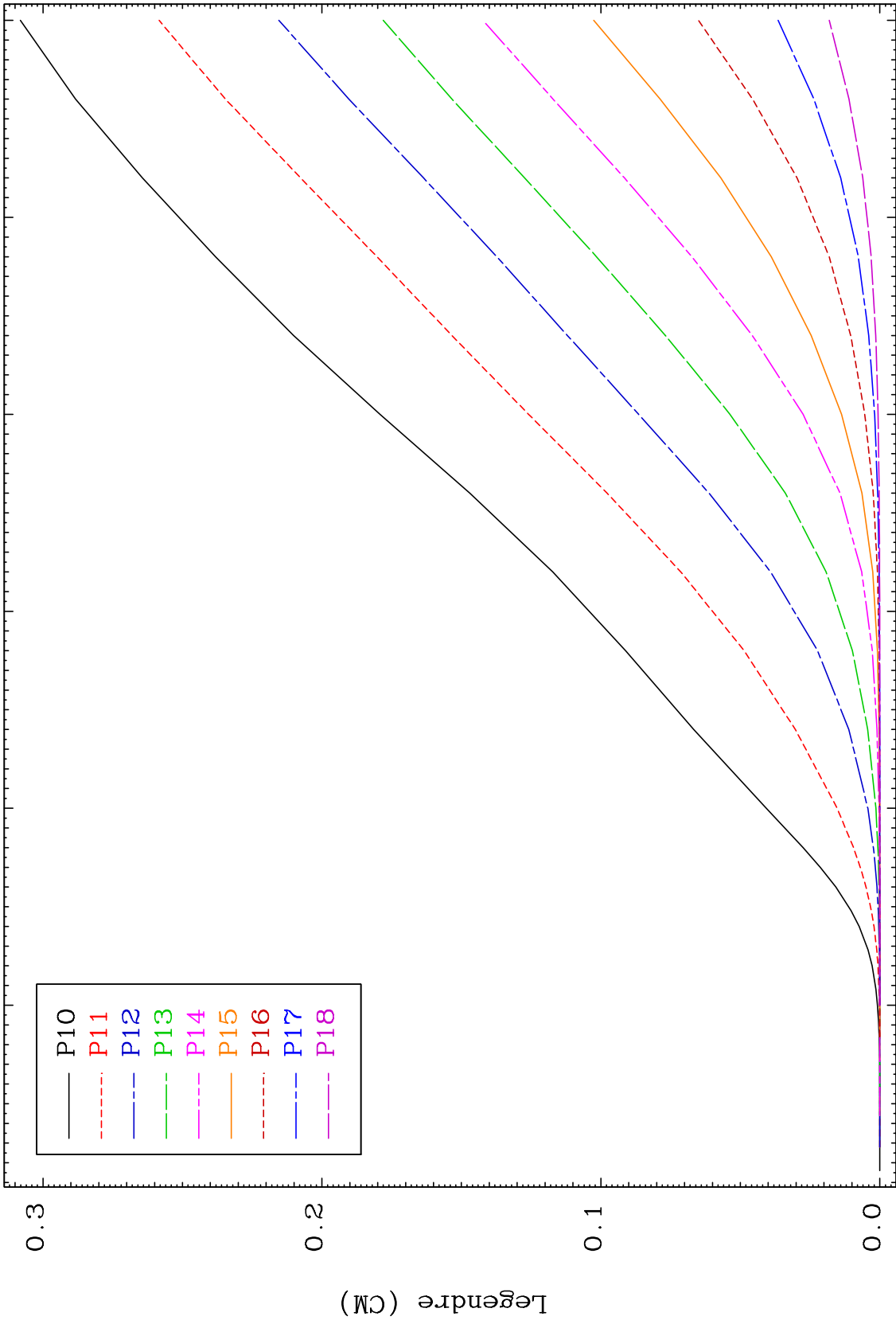
Incident Energy (MeV)

53-I -125

MAT 5319

Elastic Legendre Coefficients

53-I -125



17

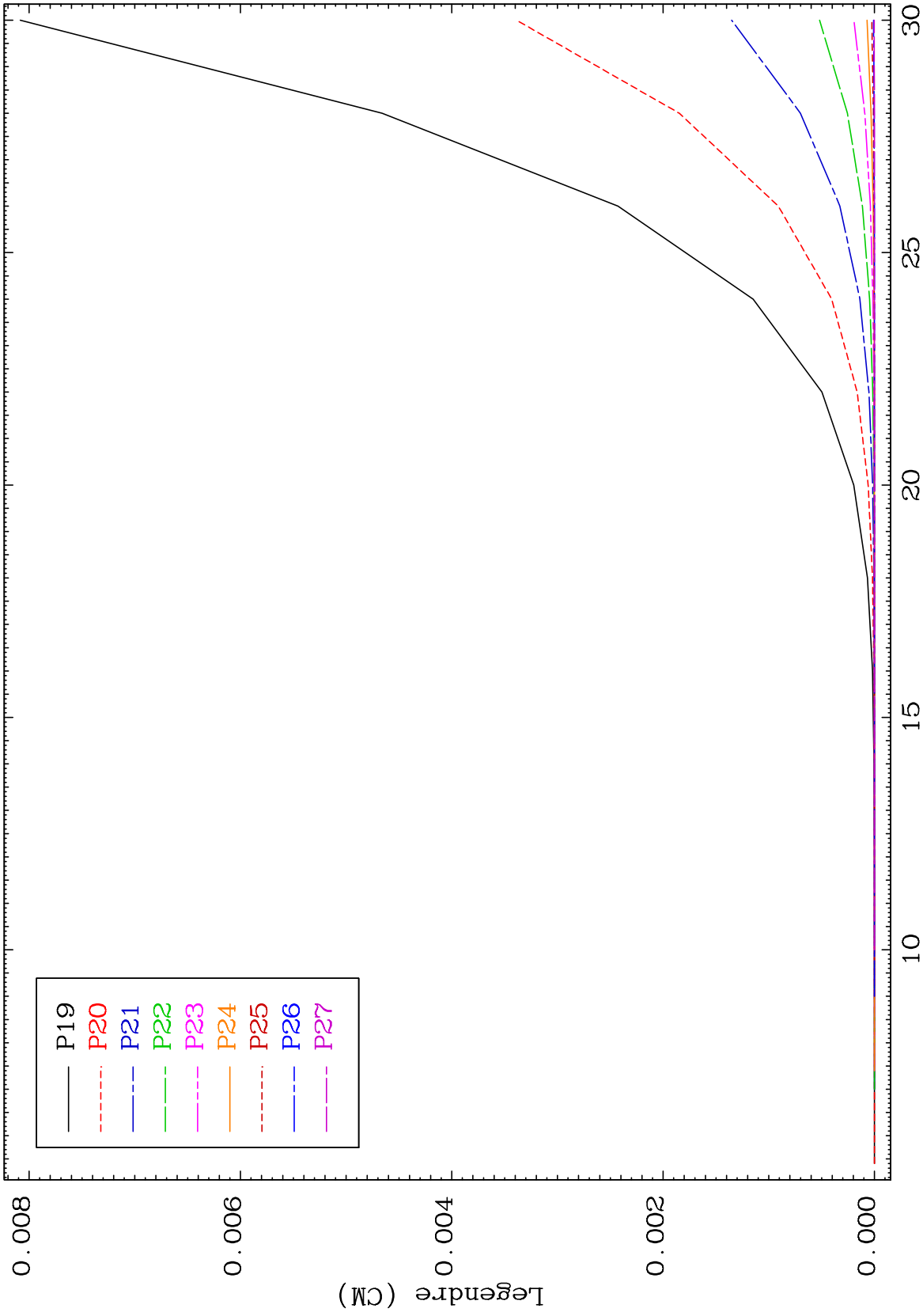
Incident Energy (MeV)

53-I -125

MAT 5319

### Elastic Legendre Coefficients

53-I -125



18

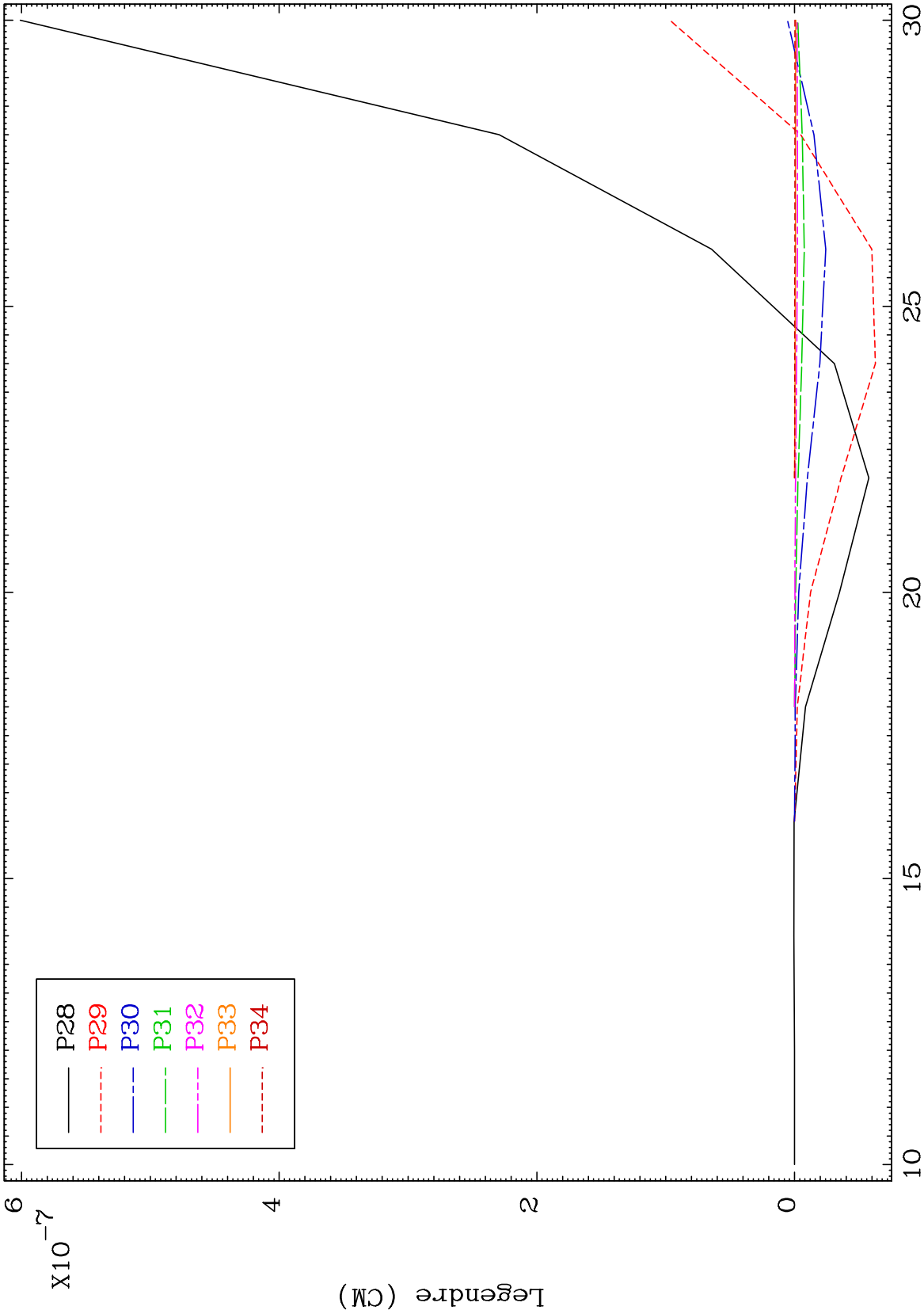
Incident Energy (MeV)

53-I -125

MAT 5319

Elastic Legendre Coefficients

53-I -125



19

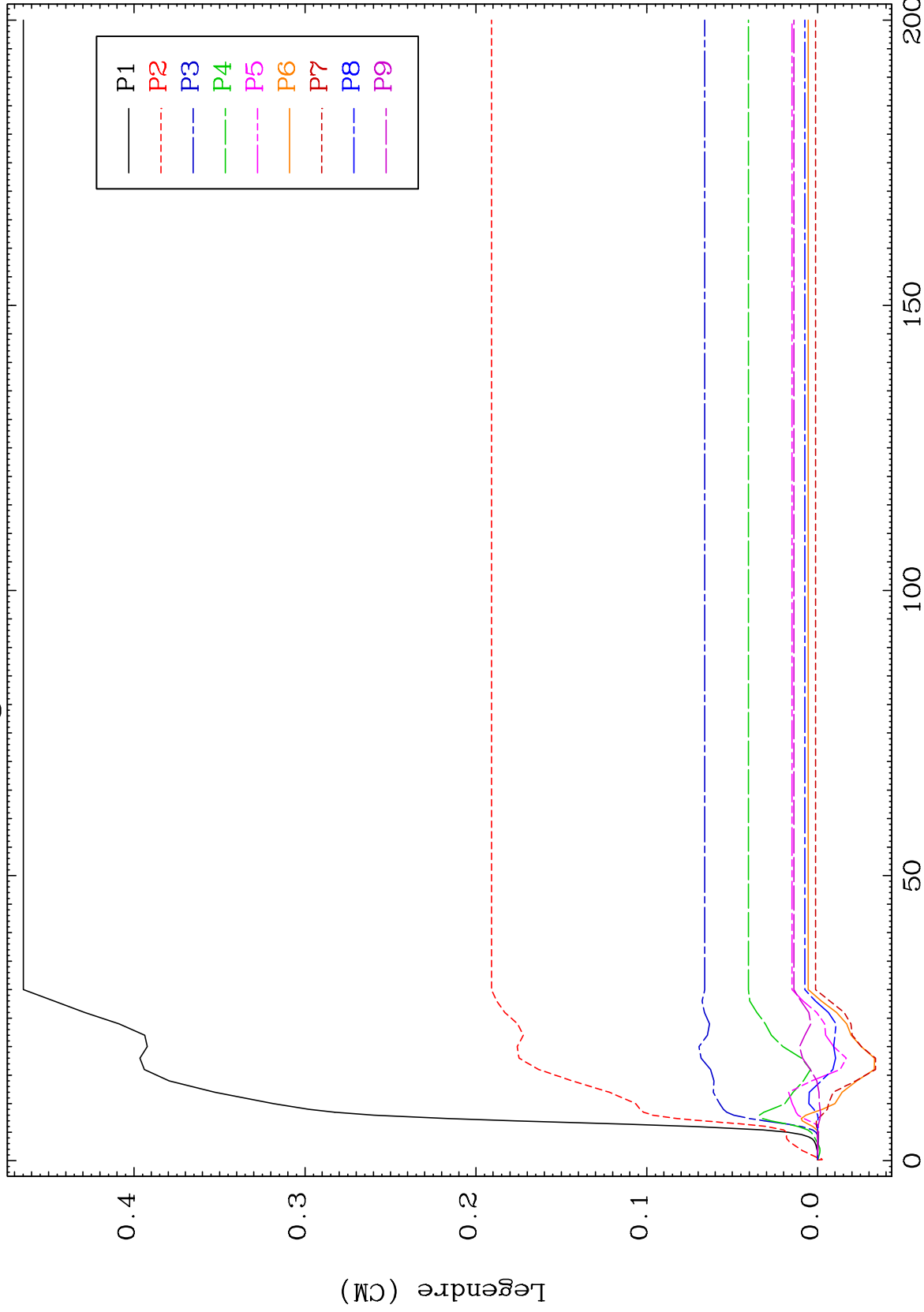
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



53-I -125

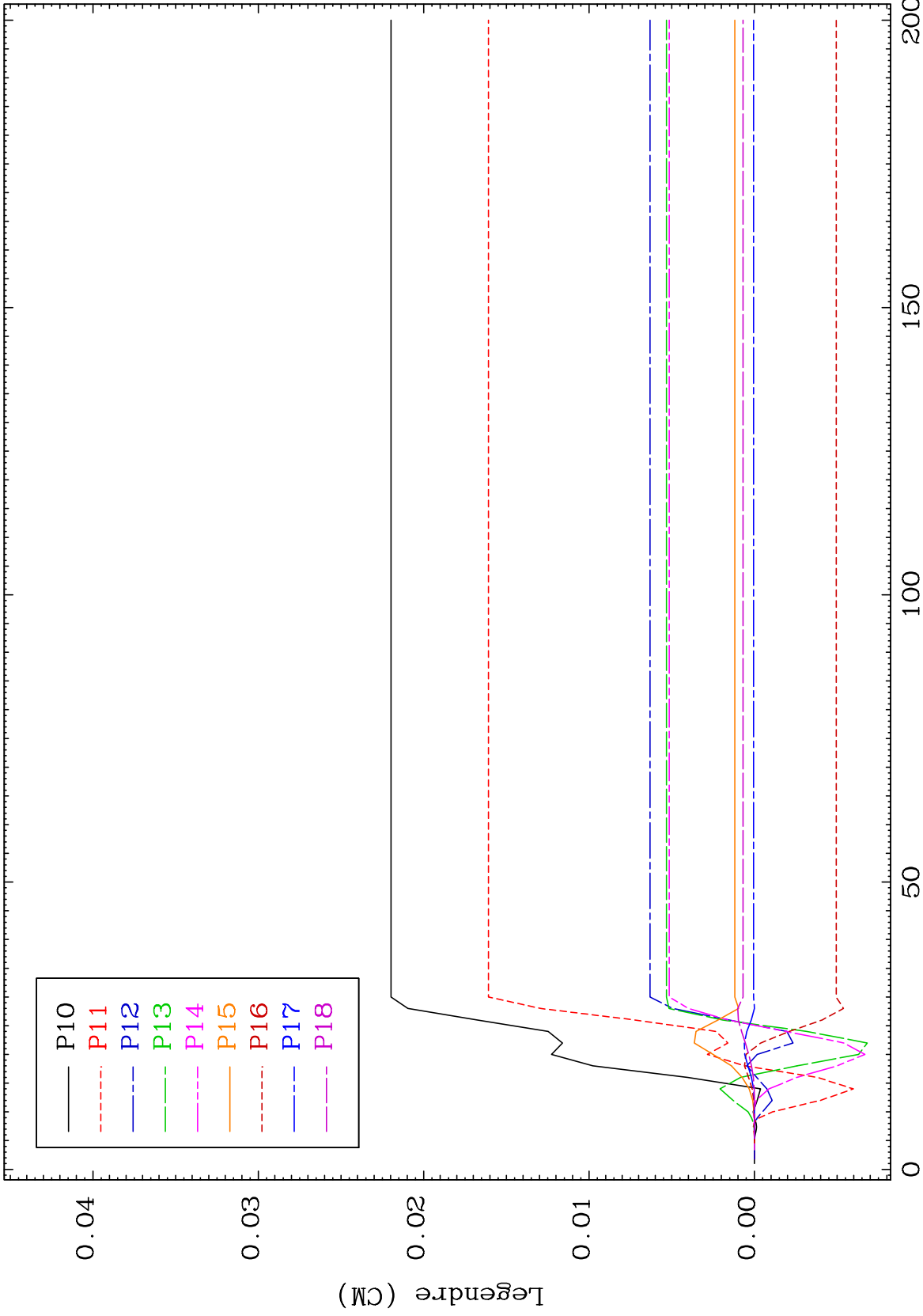
Incident Energy (MeV)

20

MAT 5319

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

53-I -125



21

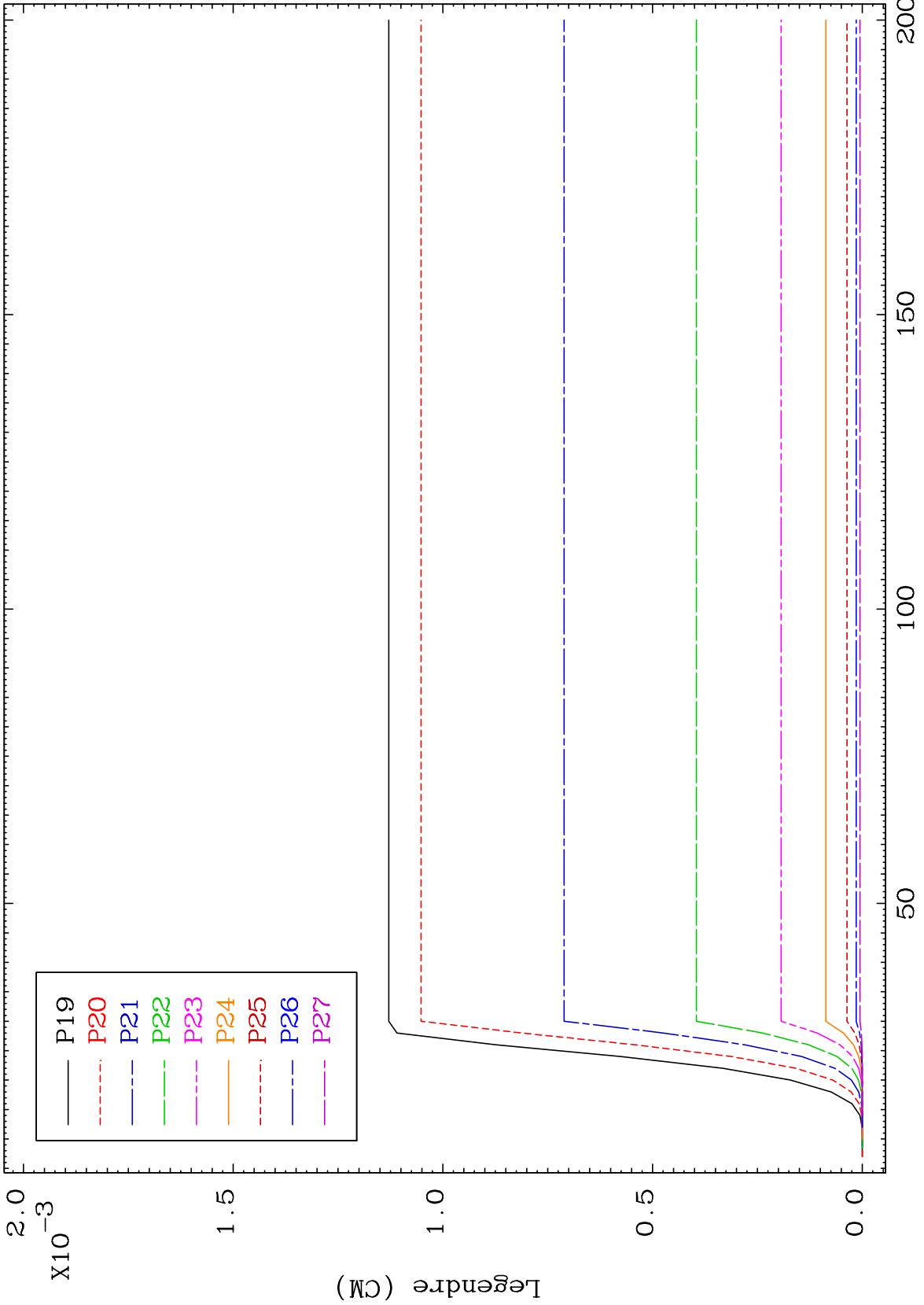
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



22

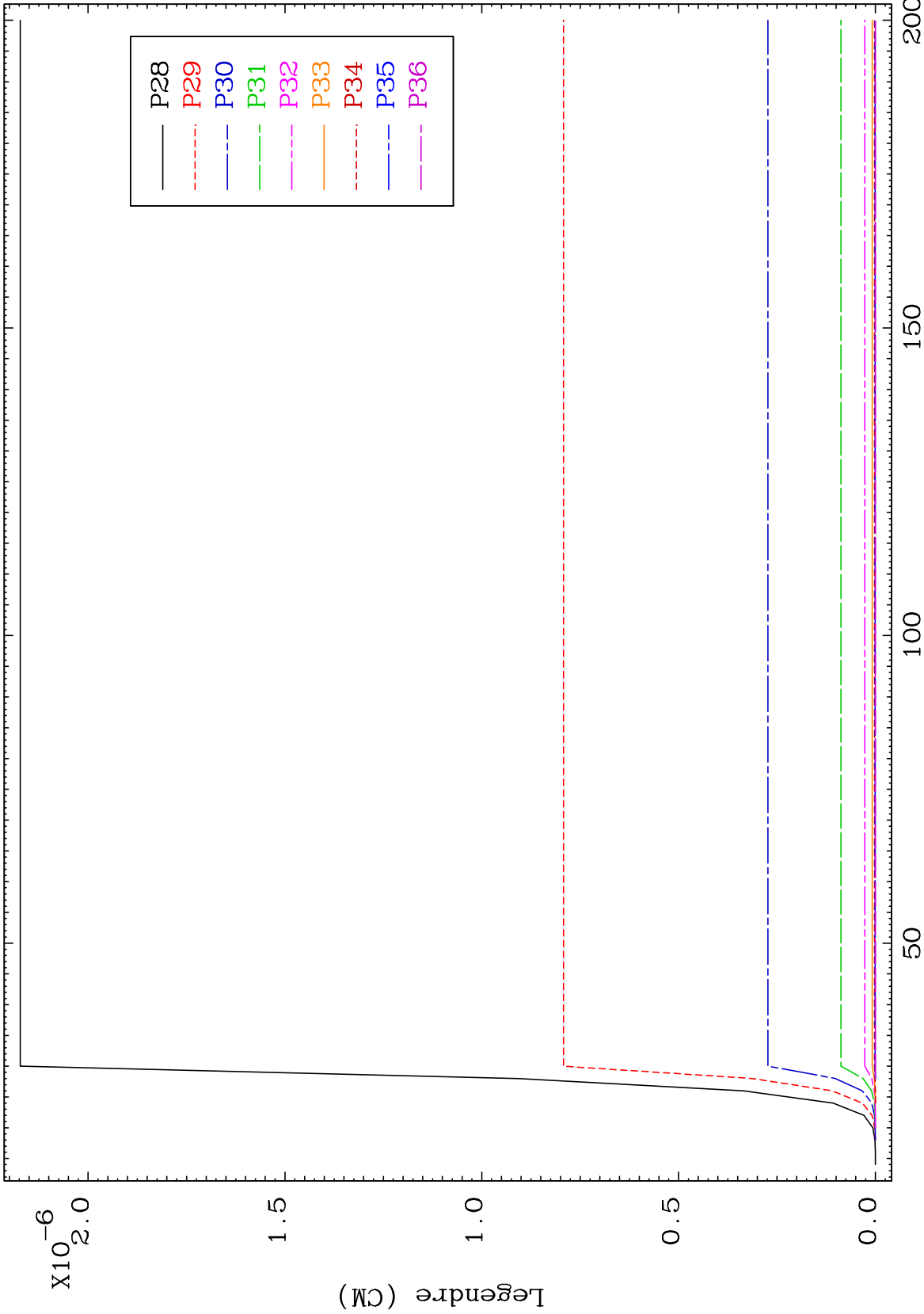
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



23

Incident Energy (MeV)

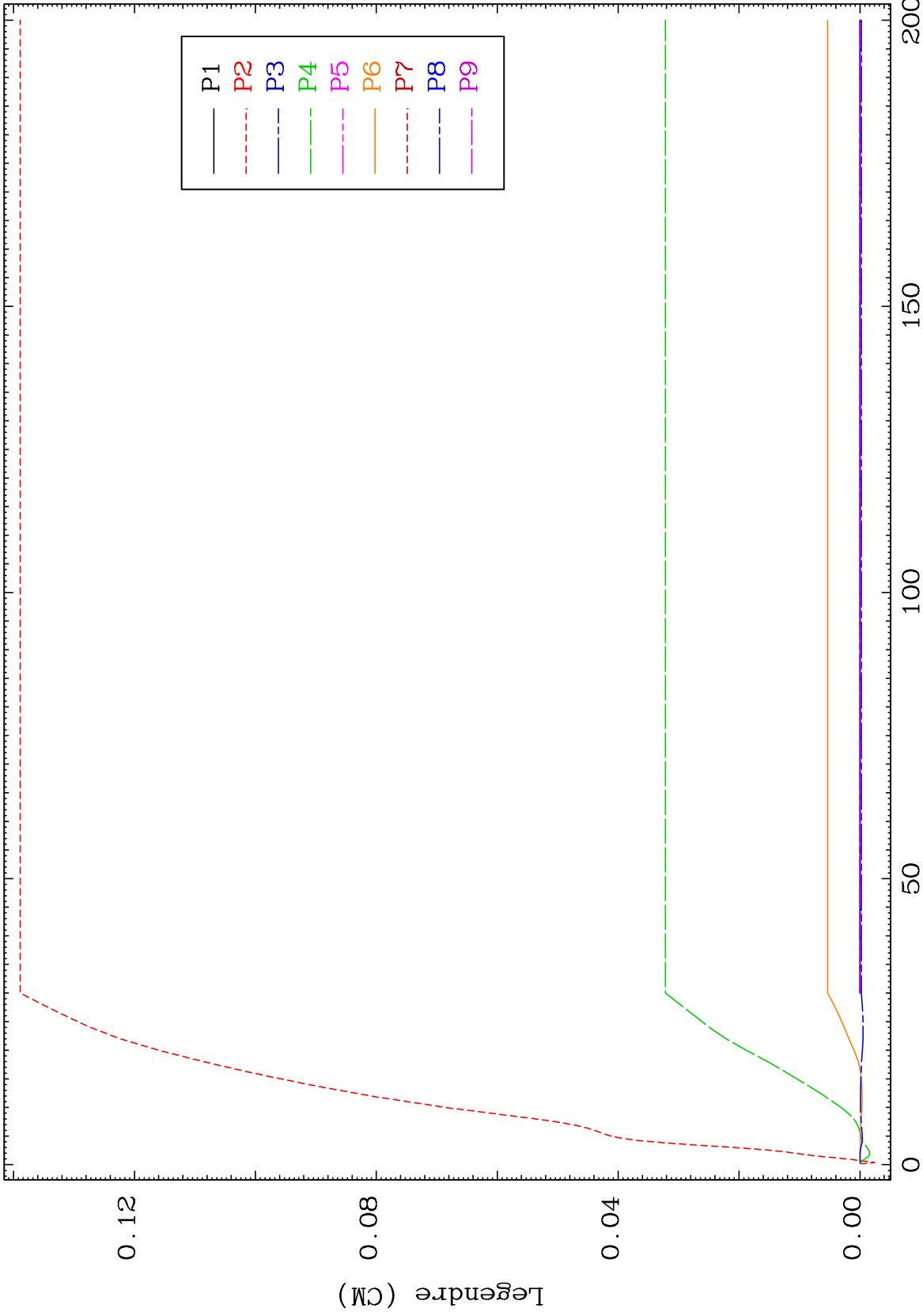
53-I -125



MAT 5319

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

53-I -125



24

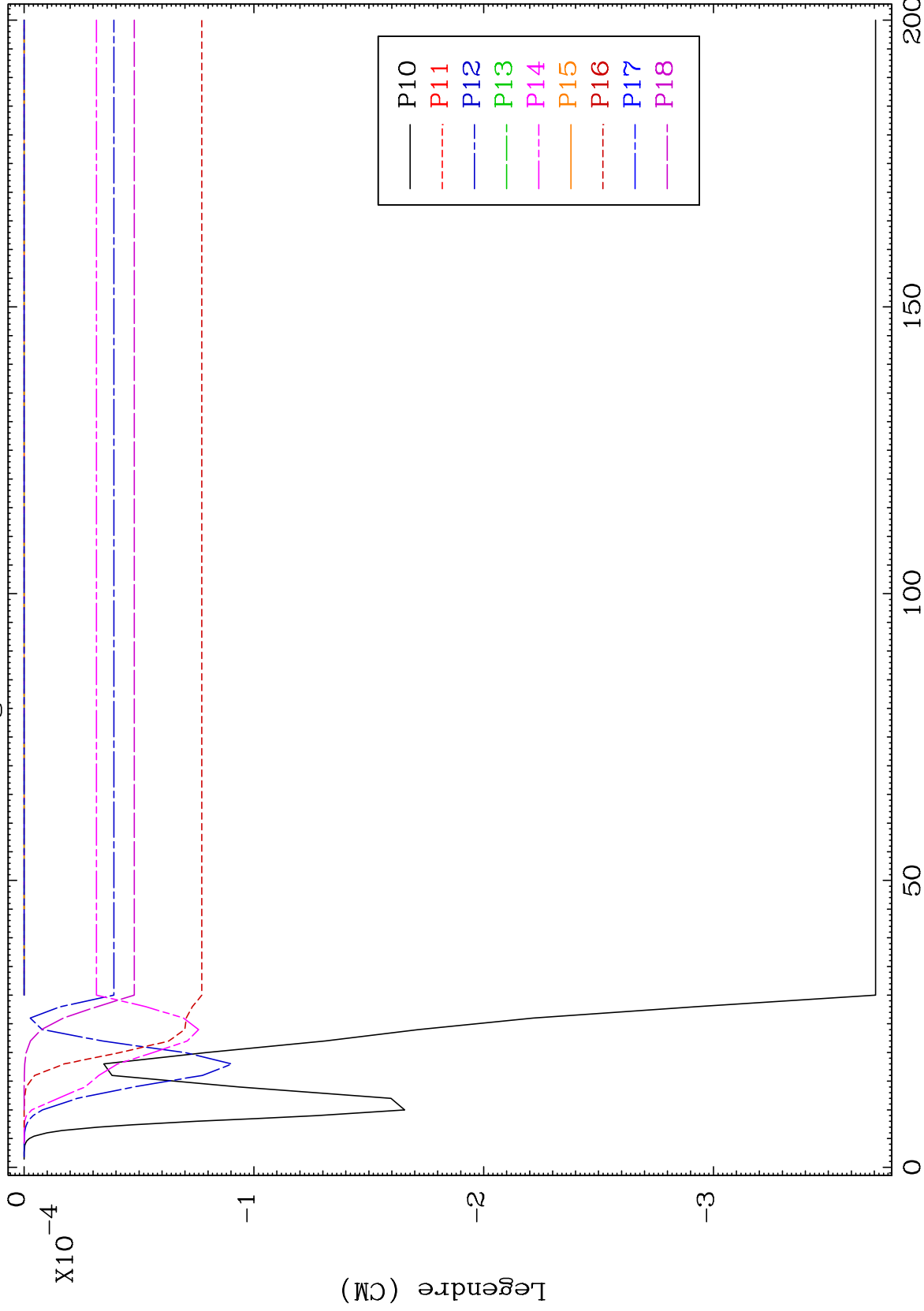
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



25

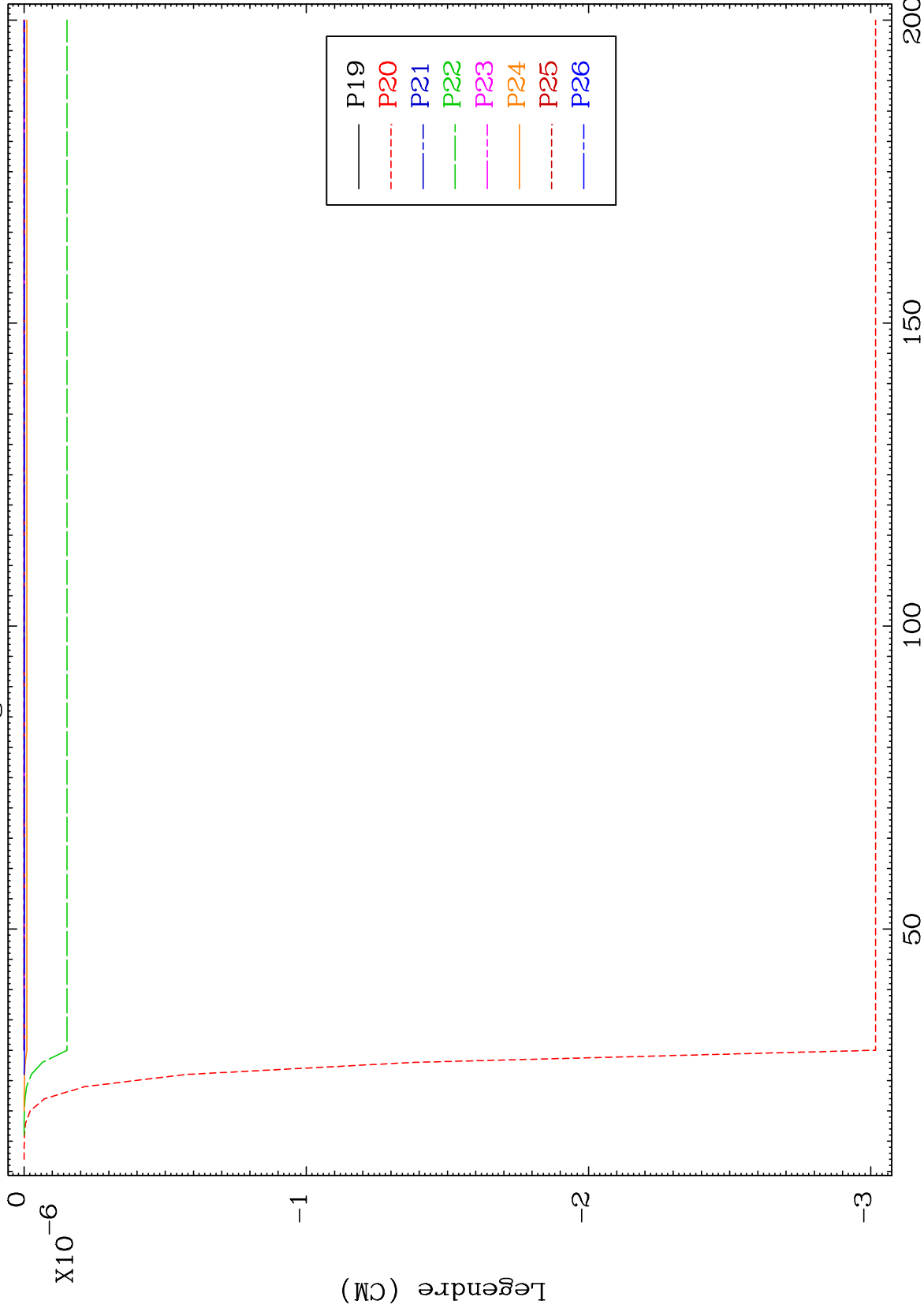
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125

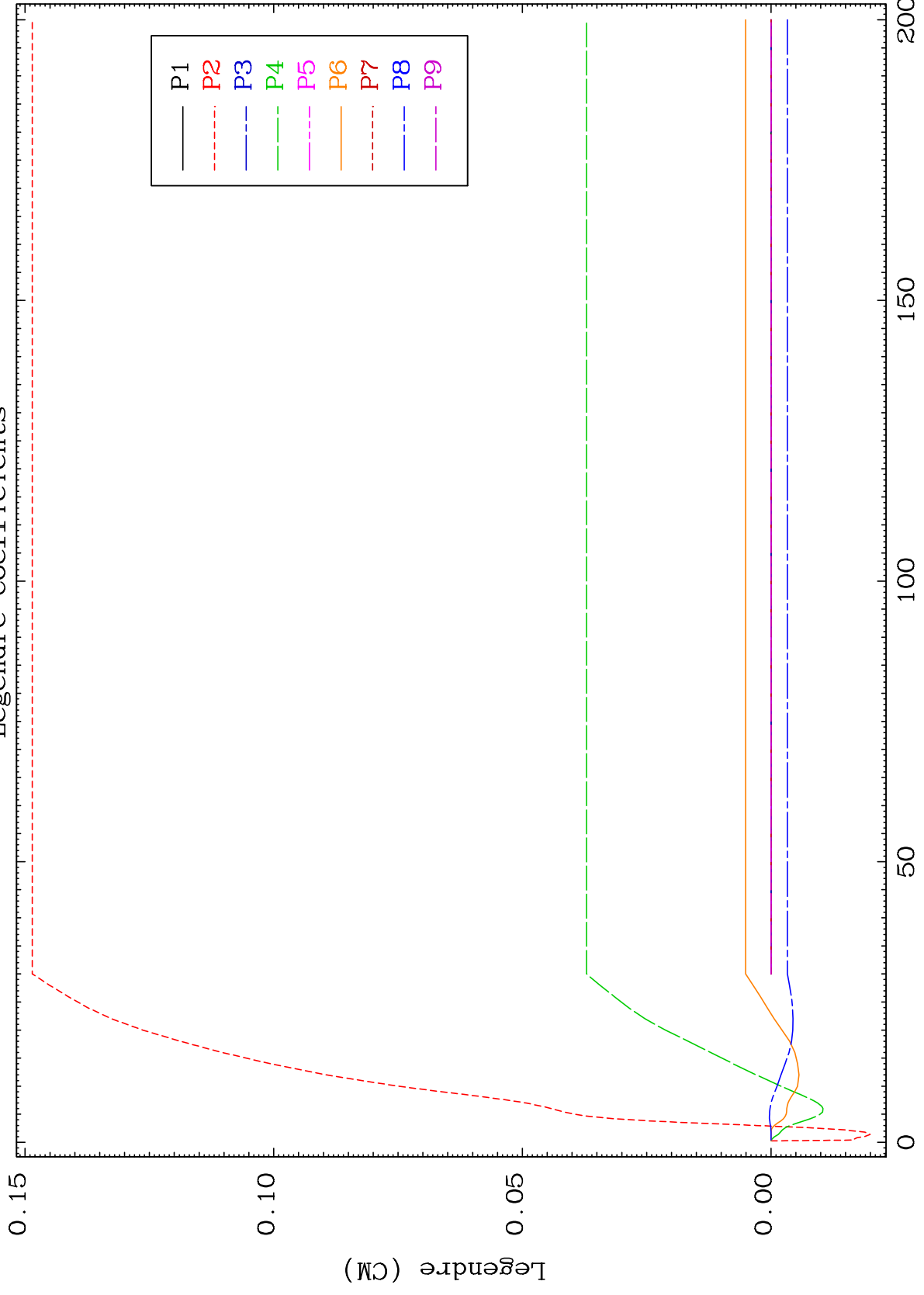


26

Incident Energy (MeV)

53-I -125

MAT 5319 MT= 53 (n,n') Level Legendre Coefficients 53-I -125

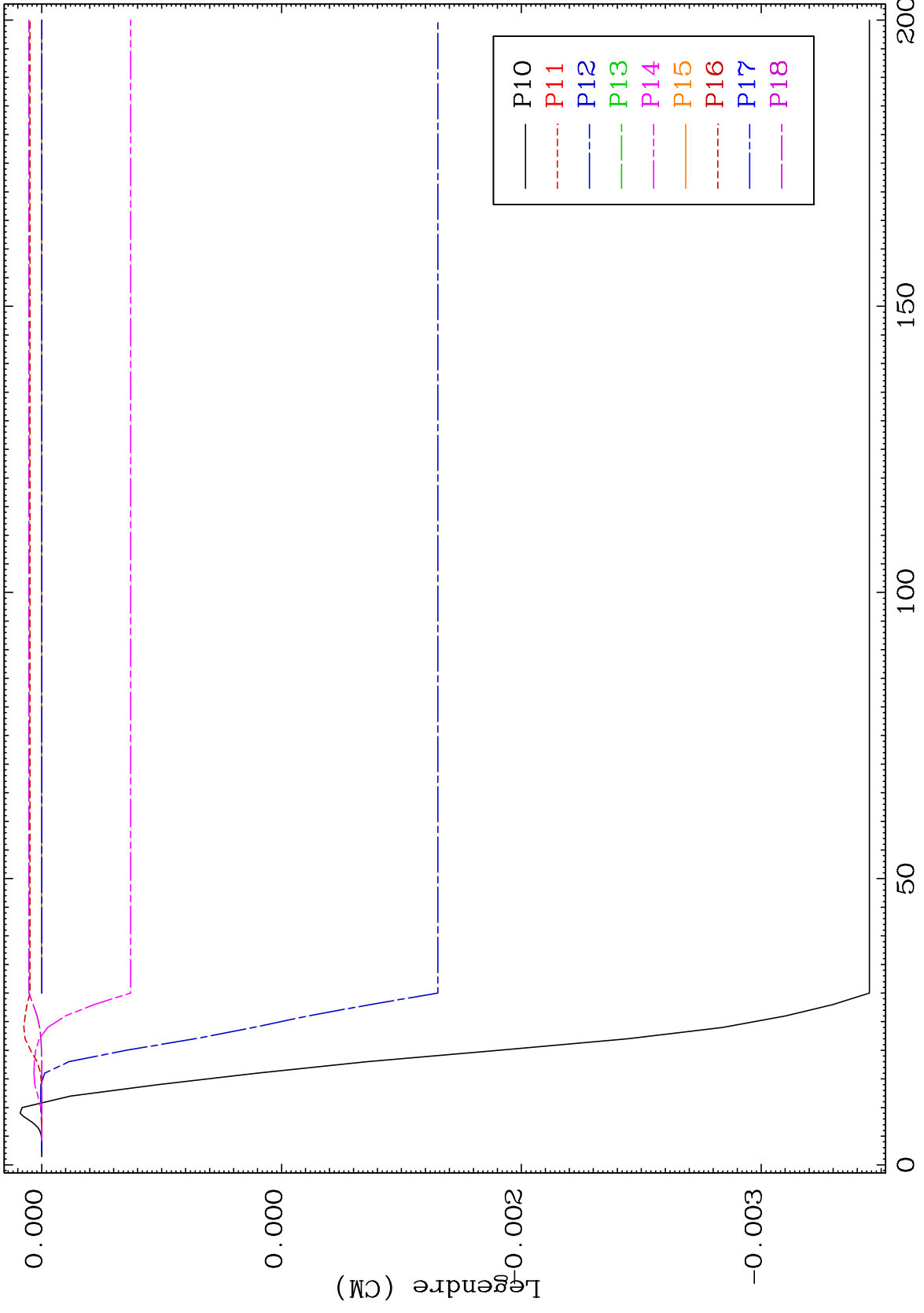


27 Incident Energy (MeV) 53-I -125

MAT 5319

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

53-I -125



28

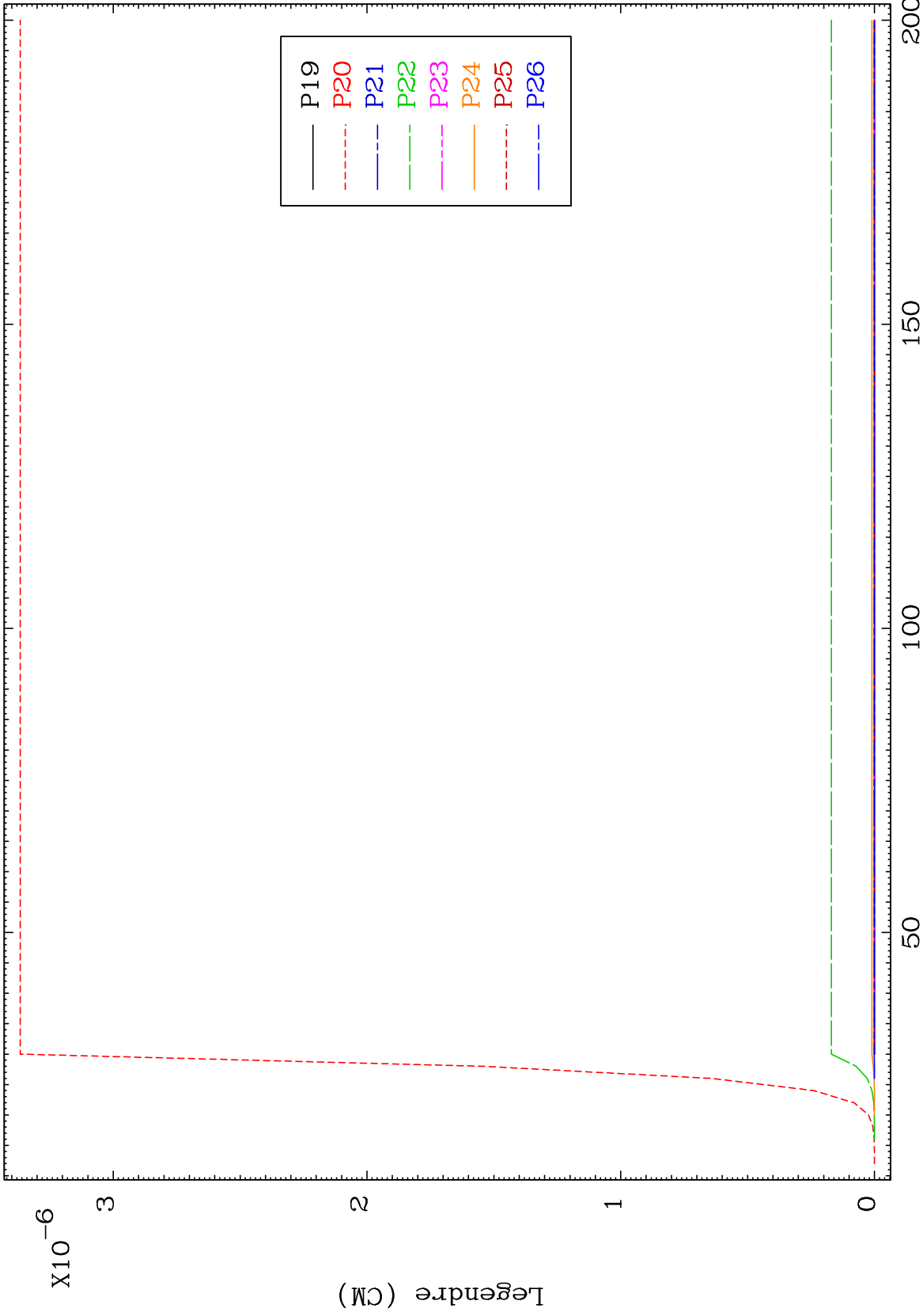
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



29

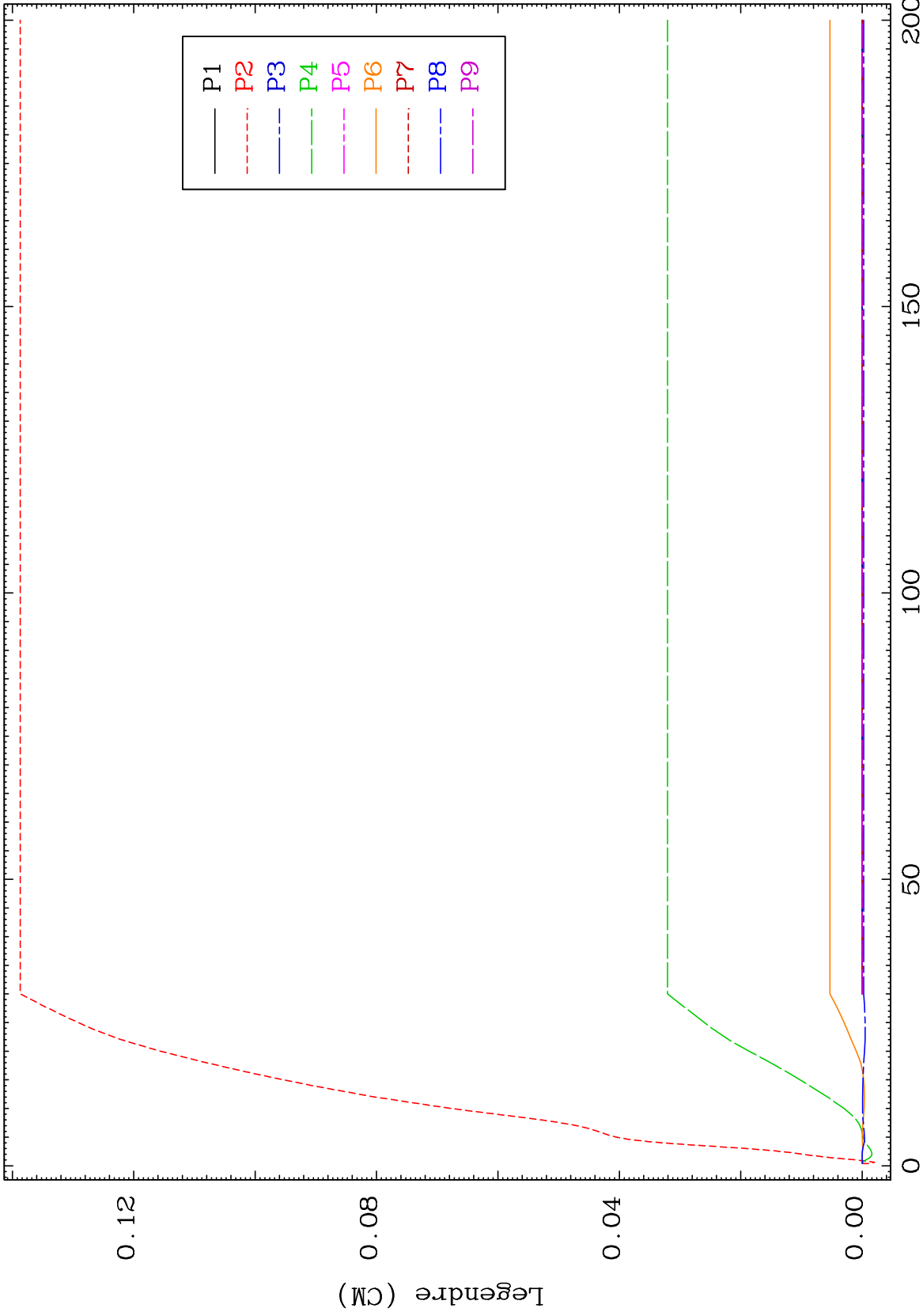
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



30

50

100

150

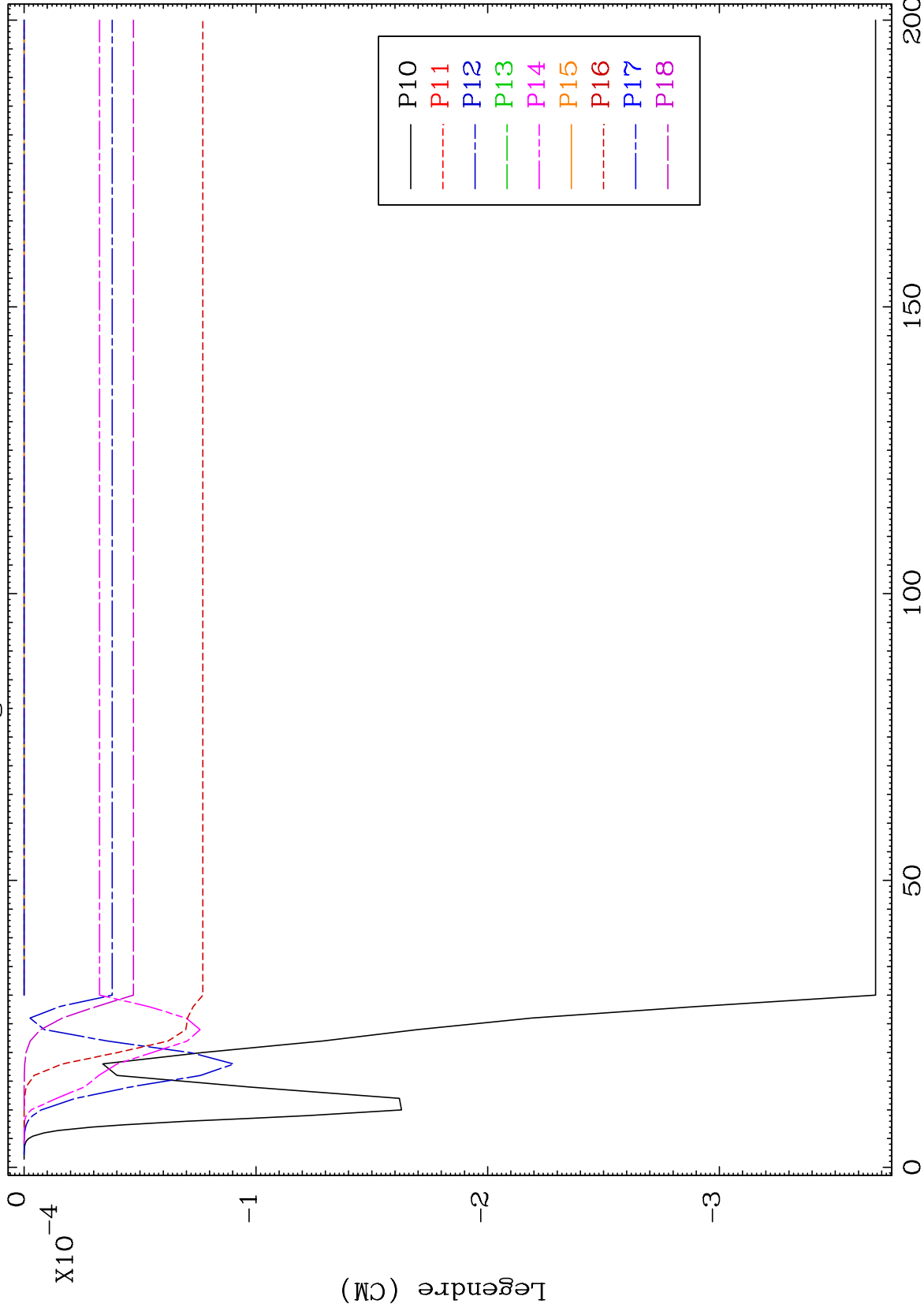
200

53-I -125

MAT 5319

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

53-I -125



31

Incident Energy (MeV)

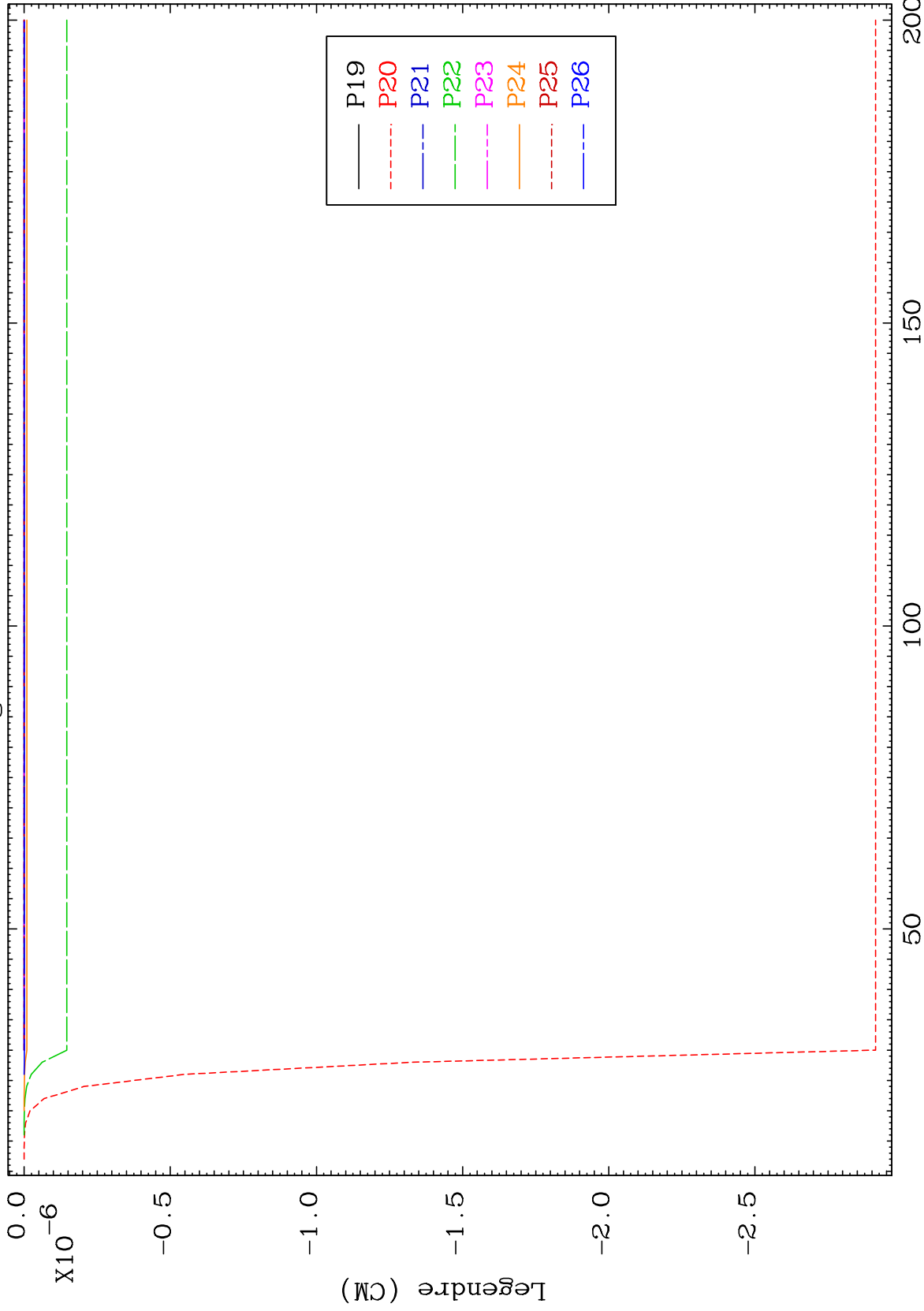
53-I -125



MAT 5319

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

53-I -125



32

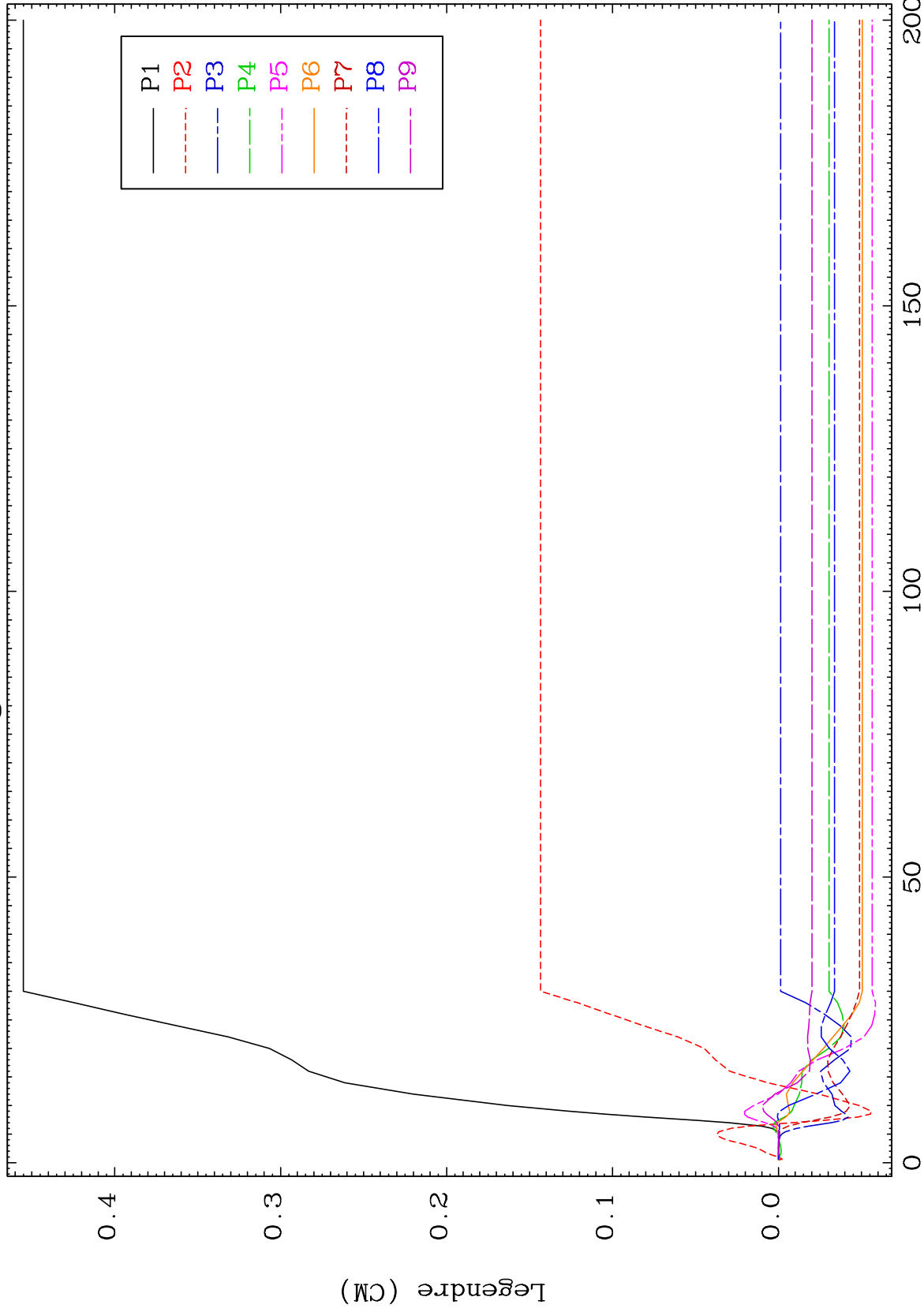
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



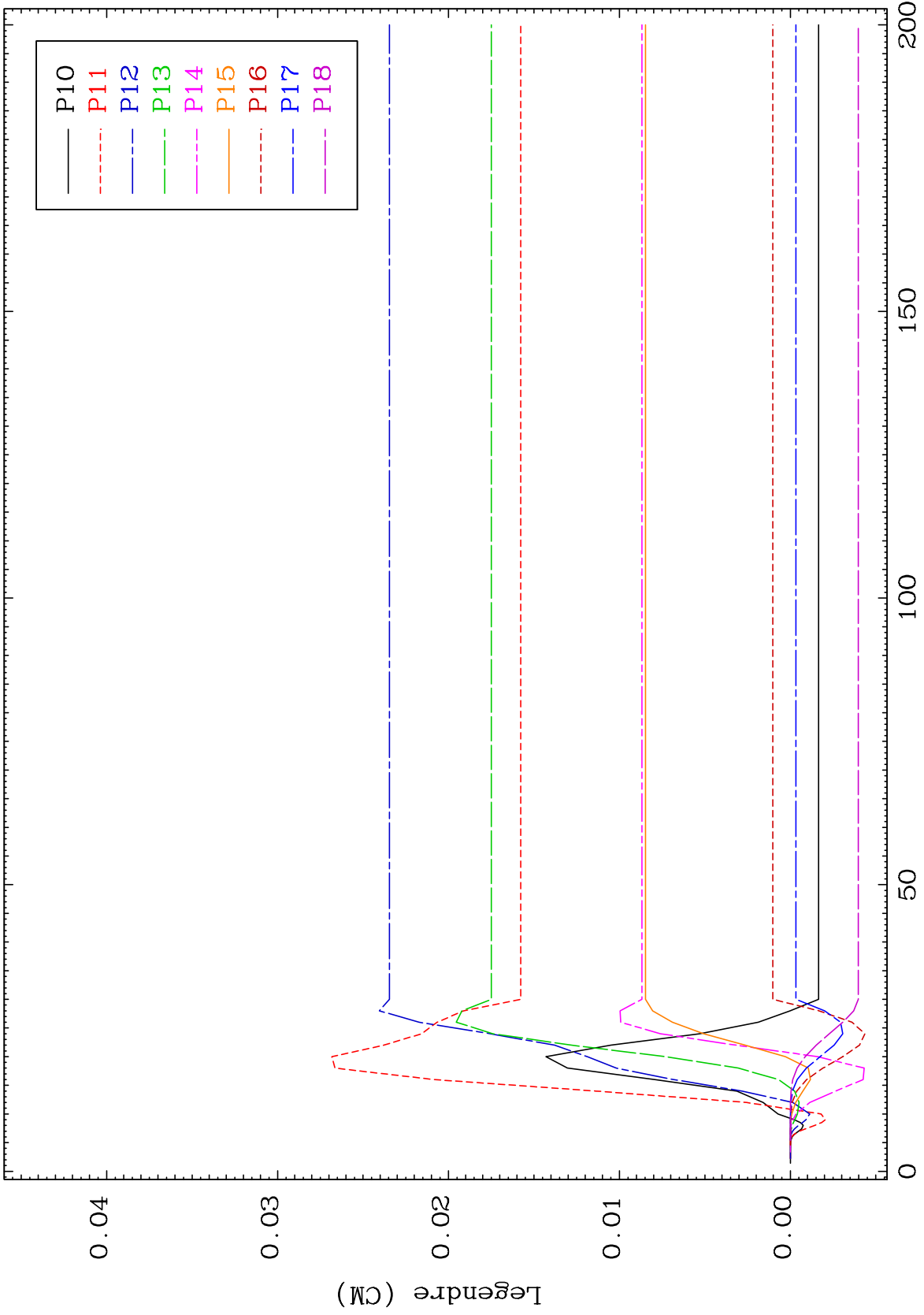
33

53-I -125

MAT 5319

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

53-I -125



34

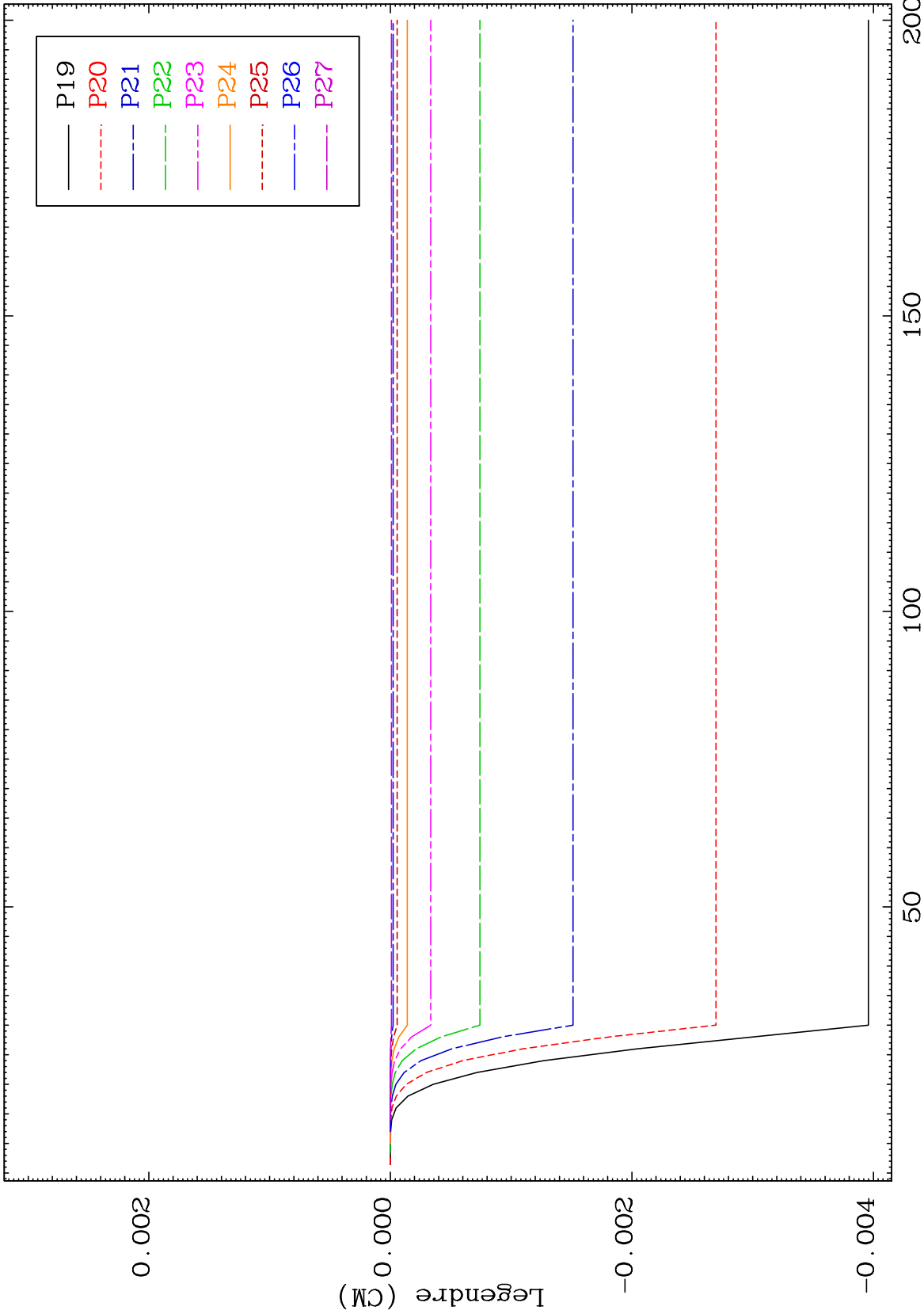
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125

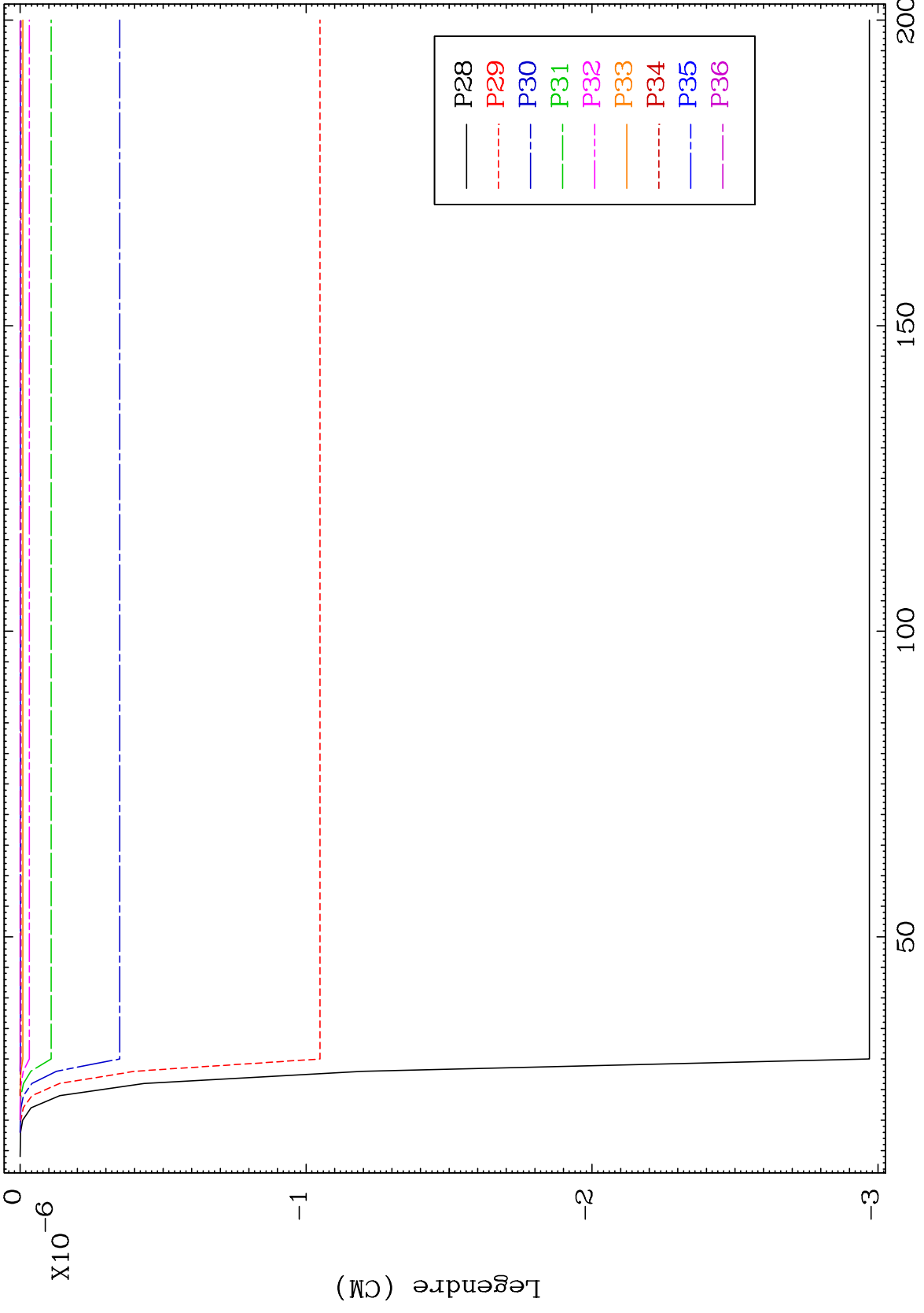


35

Incident Energy (MeV)

53-I -125

MAT 5319 MT= 55 (n,n') Level Legendre Coefficients 53-I -125

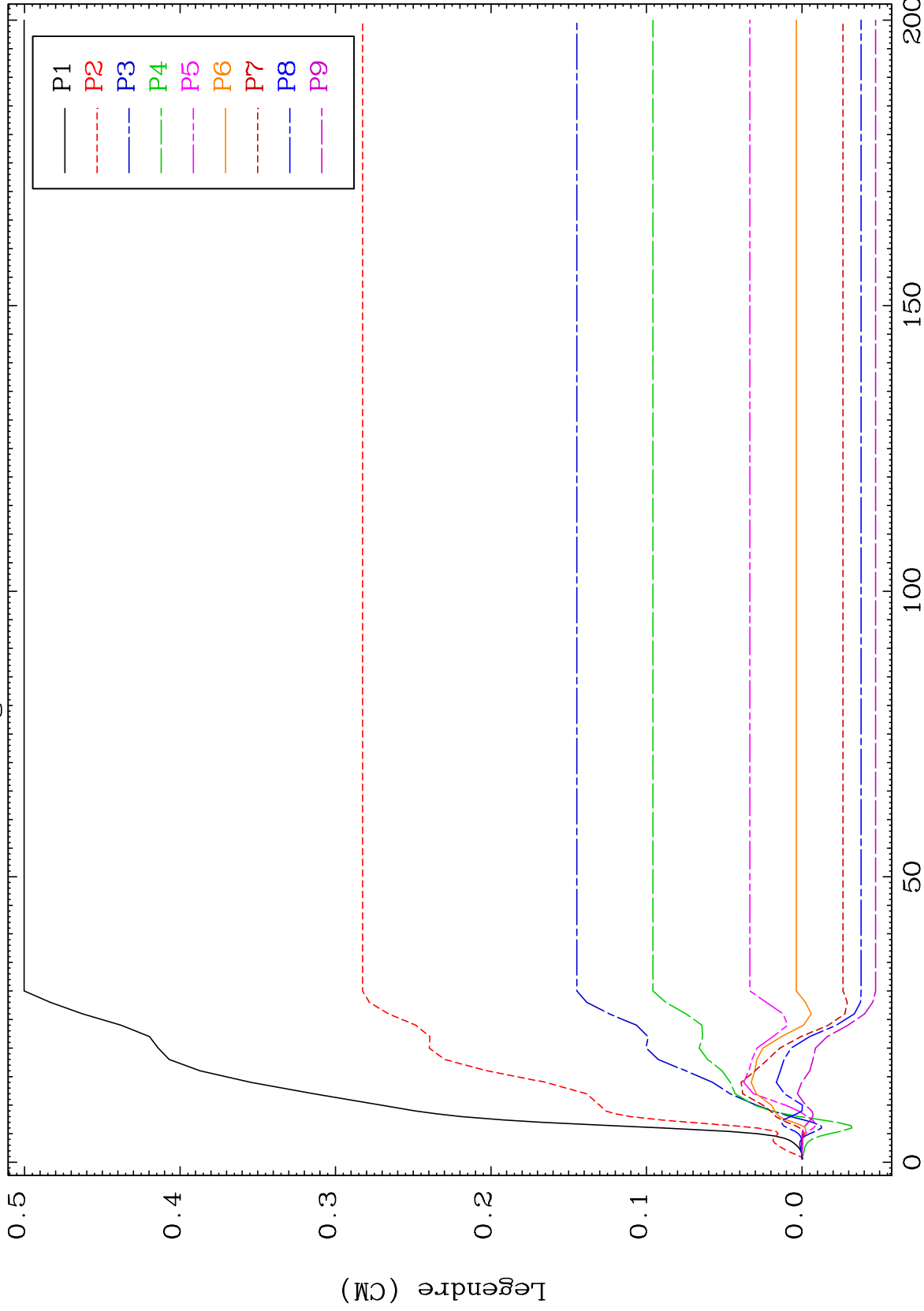


36 53-I -125

MAT 5319

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

53-I -125



37

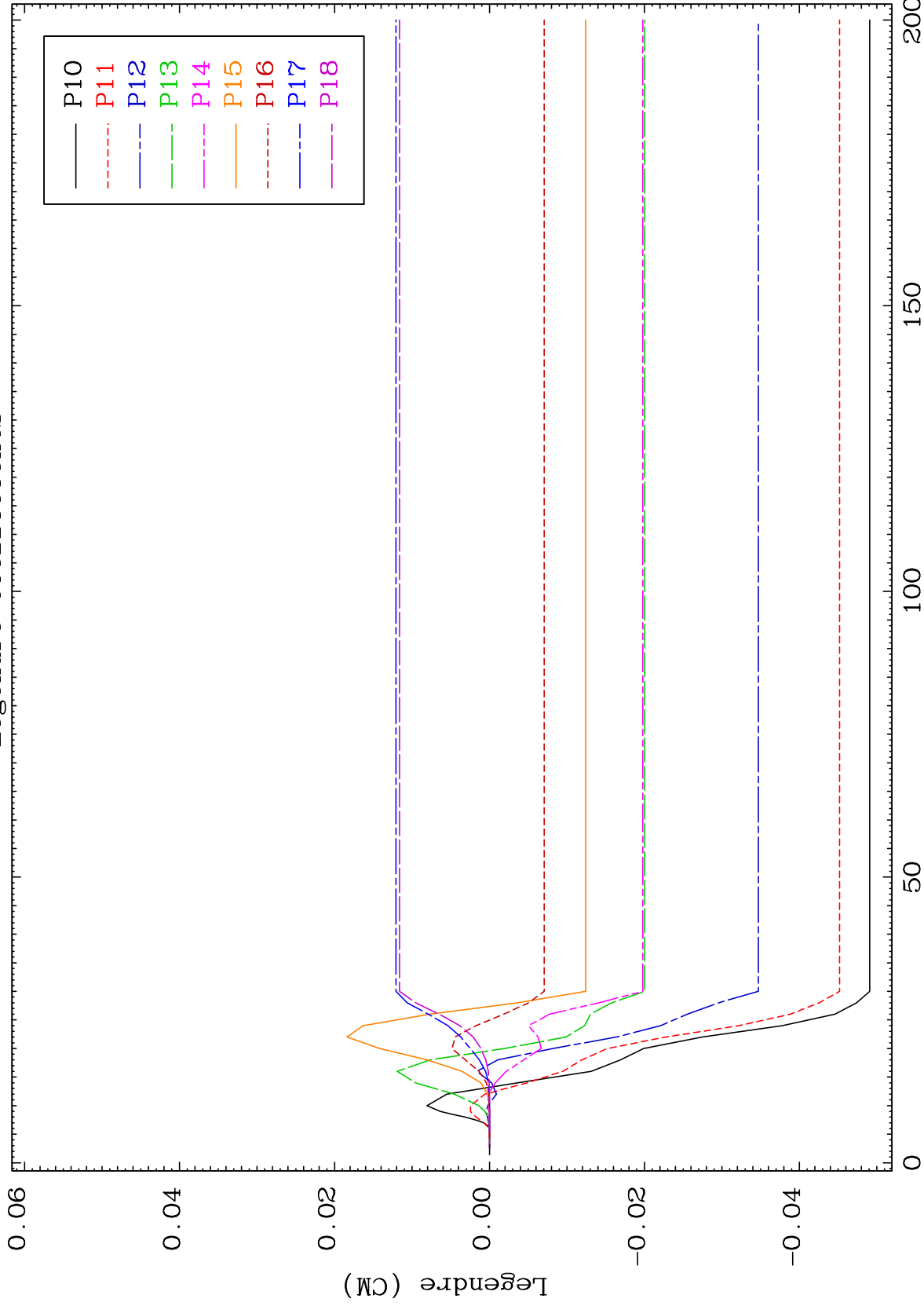
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



38

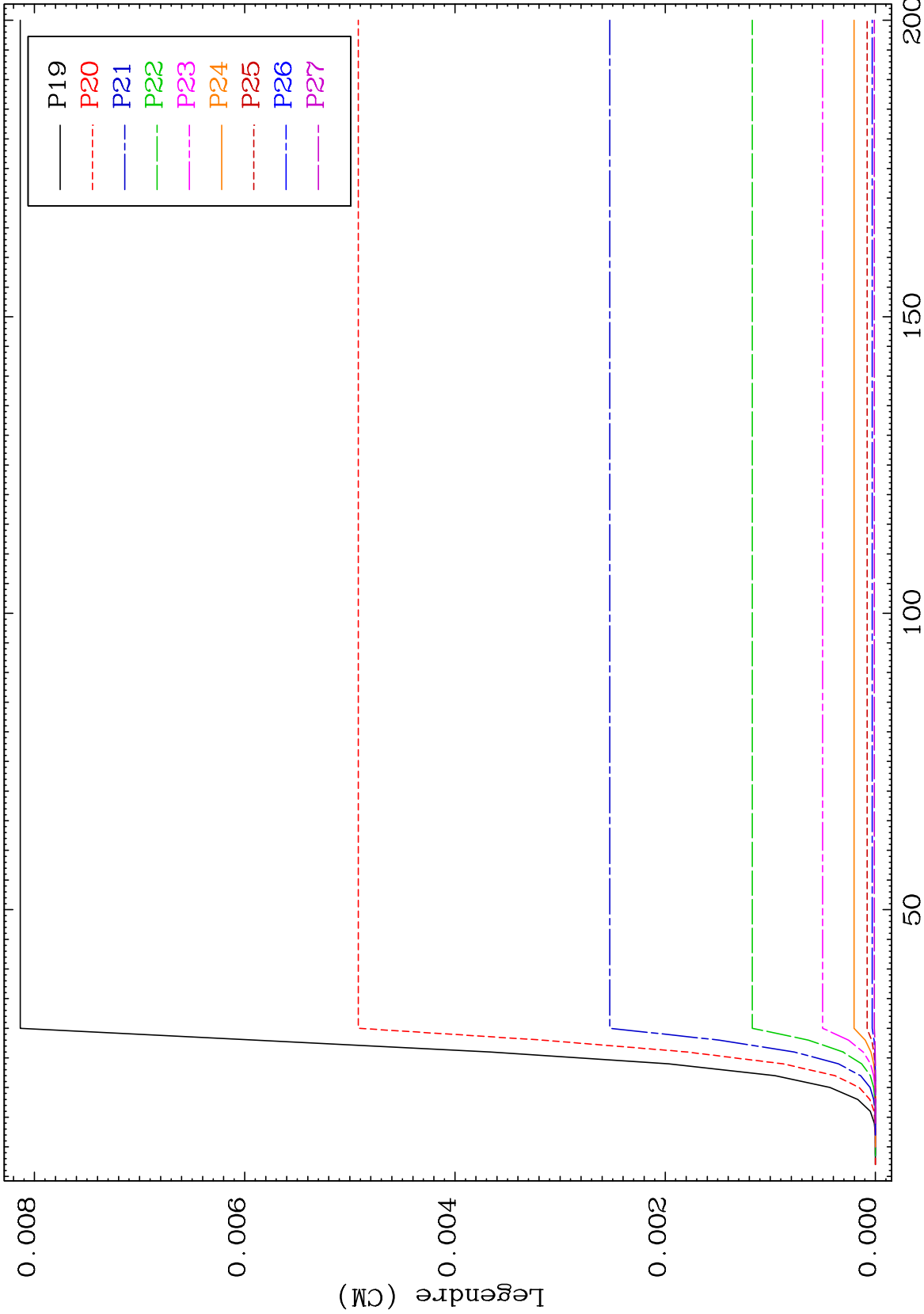
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



39

Incident Energy (MeV)

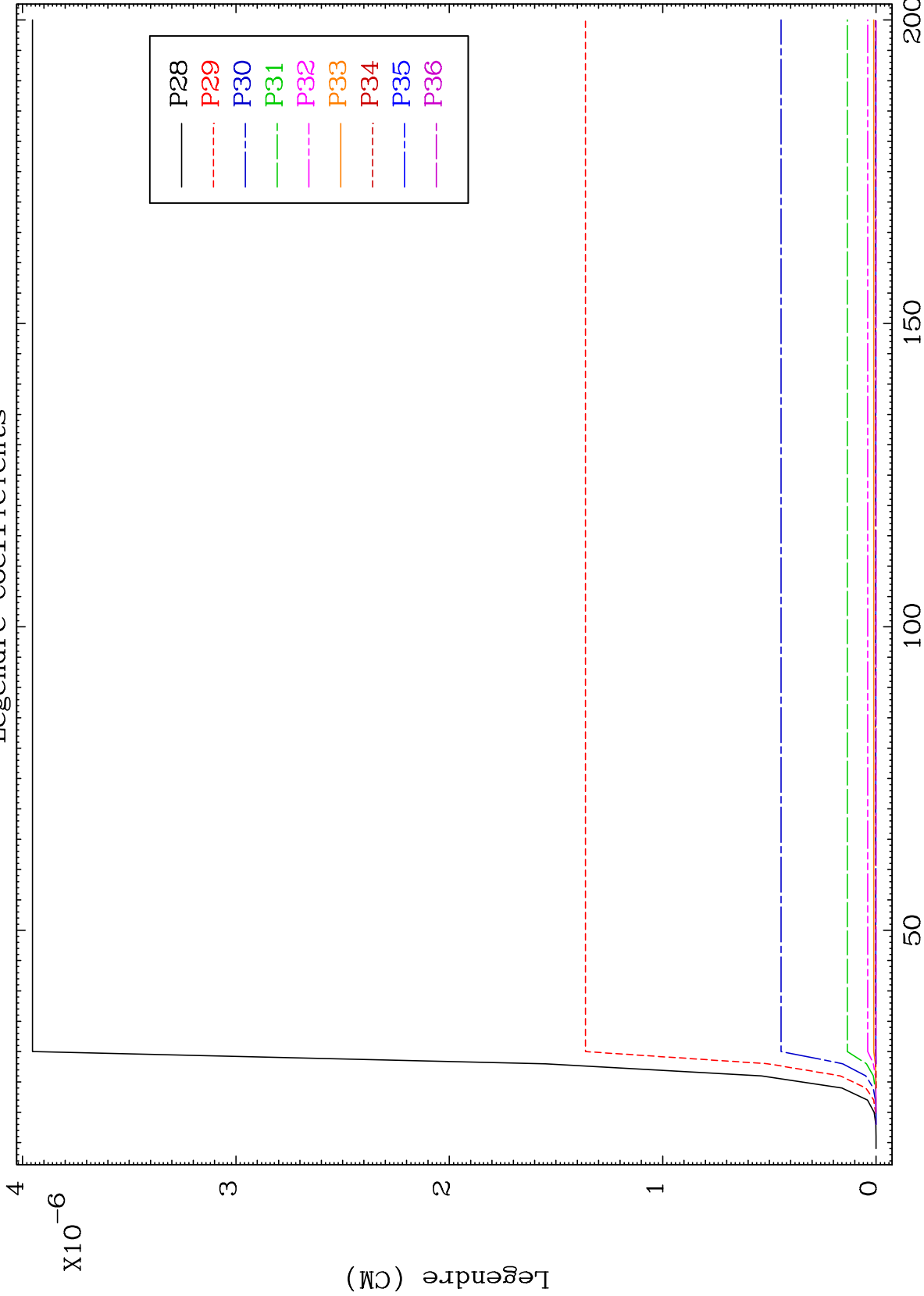
53-I -125



MAT 5319

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

53-I -125



40

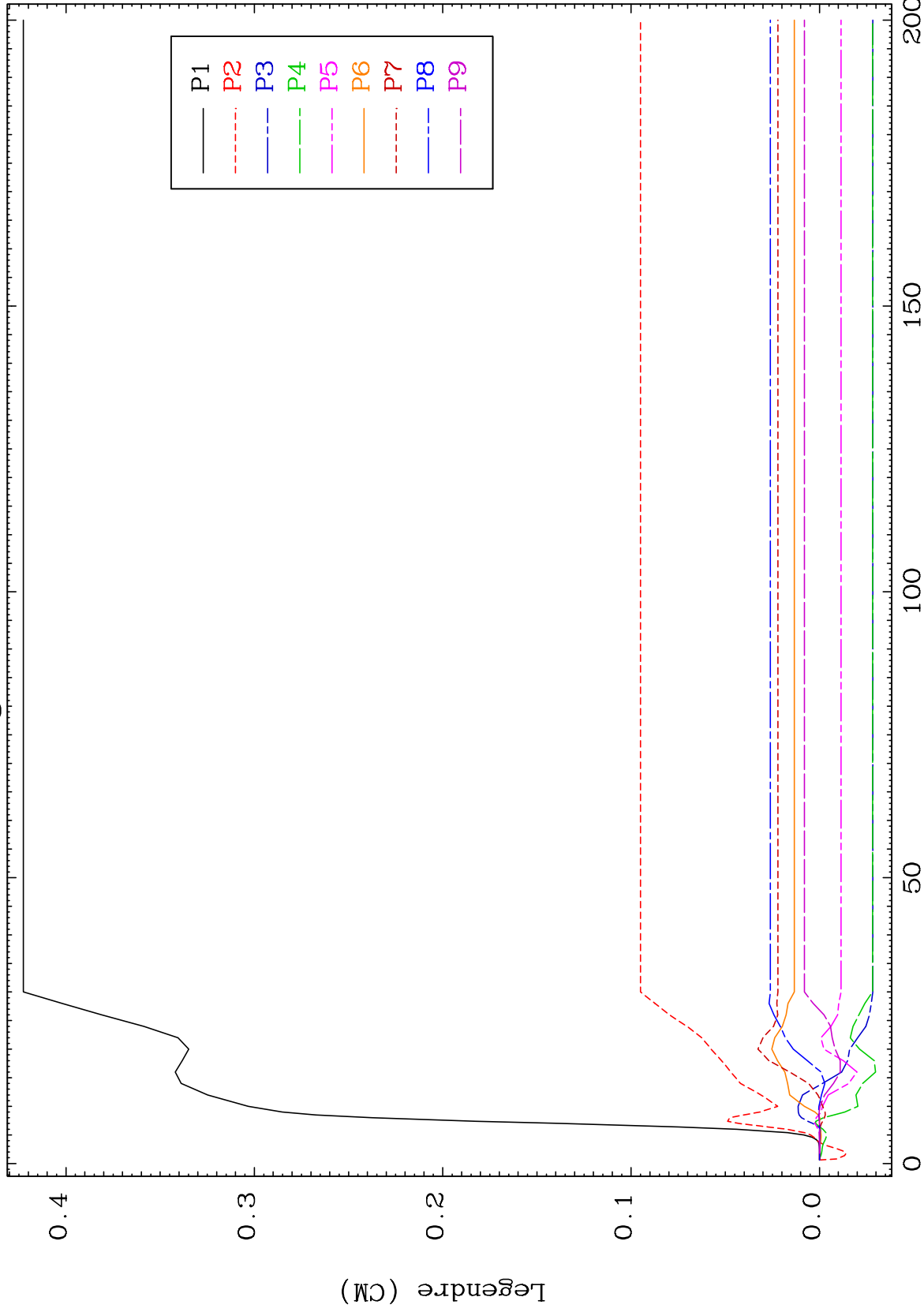
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



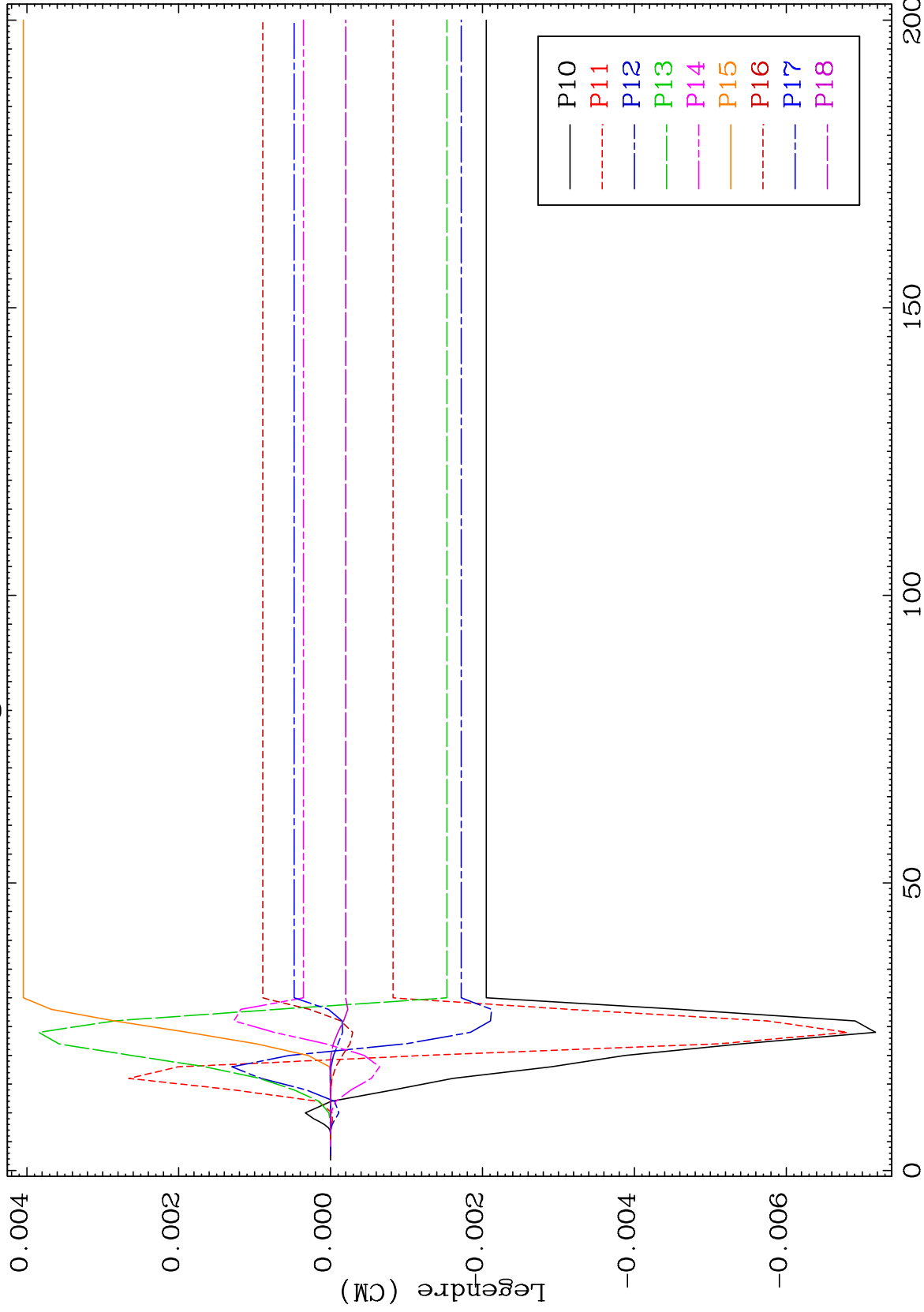
41

53-I -125

MAT 5319

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

53-I -125



42

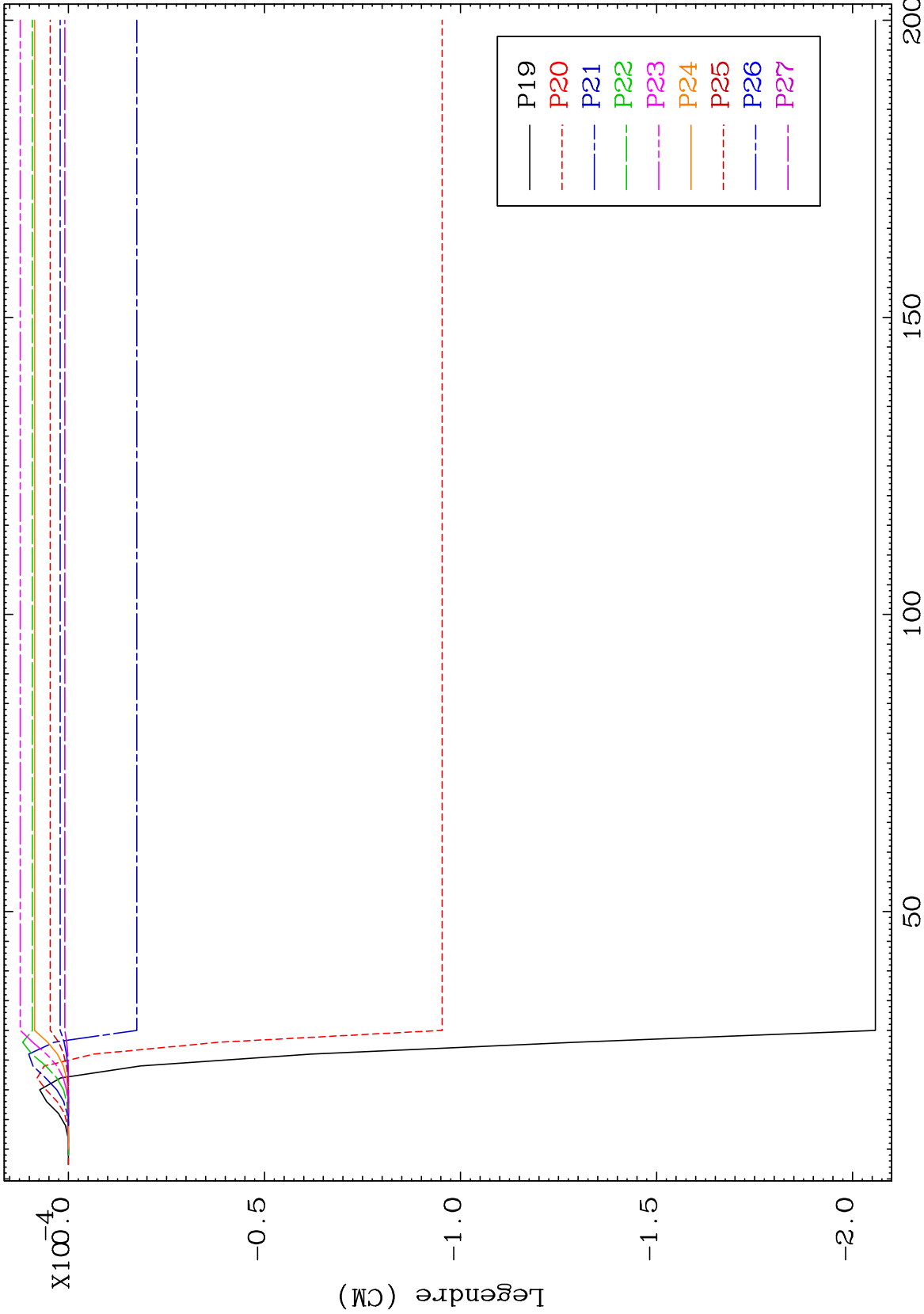
Incident Energy (MeV)

53-I -125

MAT 5319

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

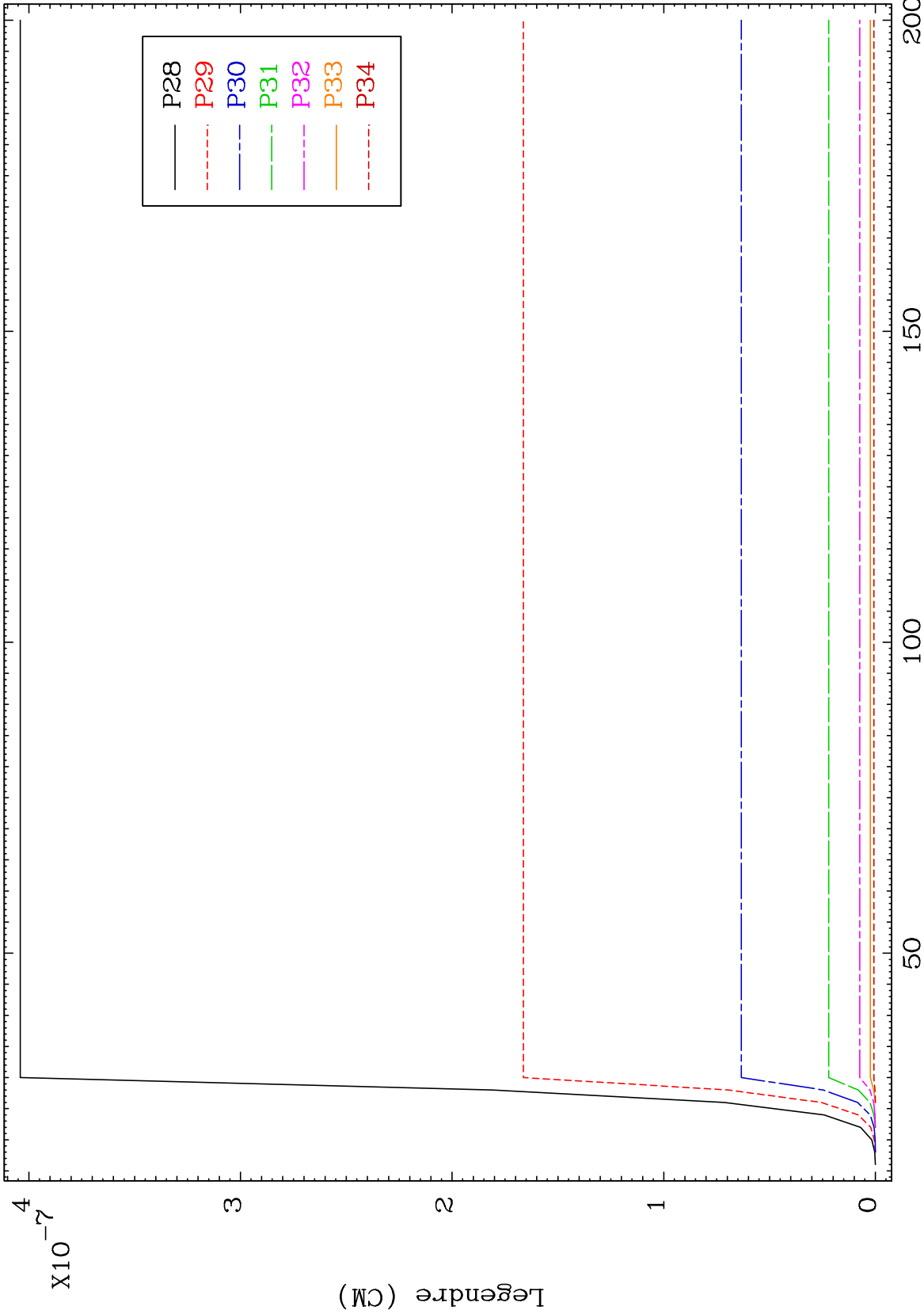
53-I -125



43

Incident Energy (MeV)

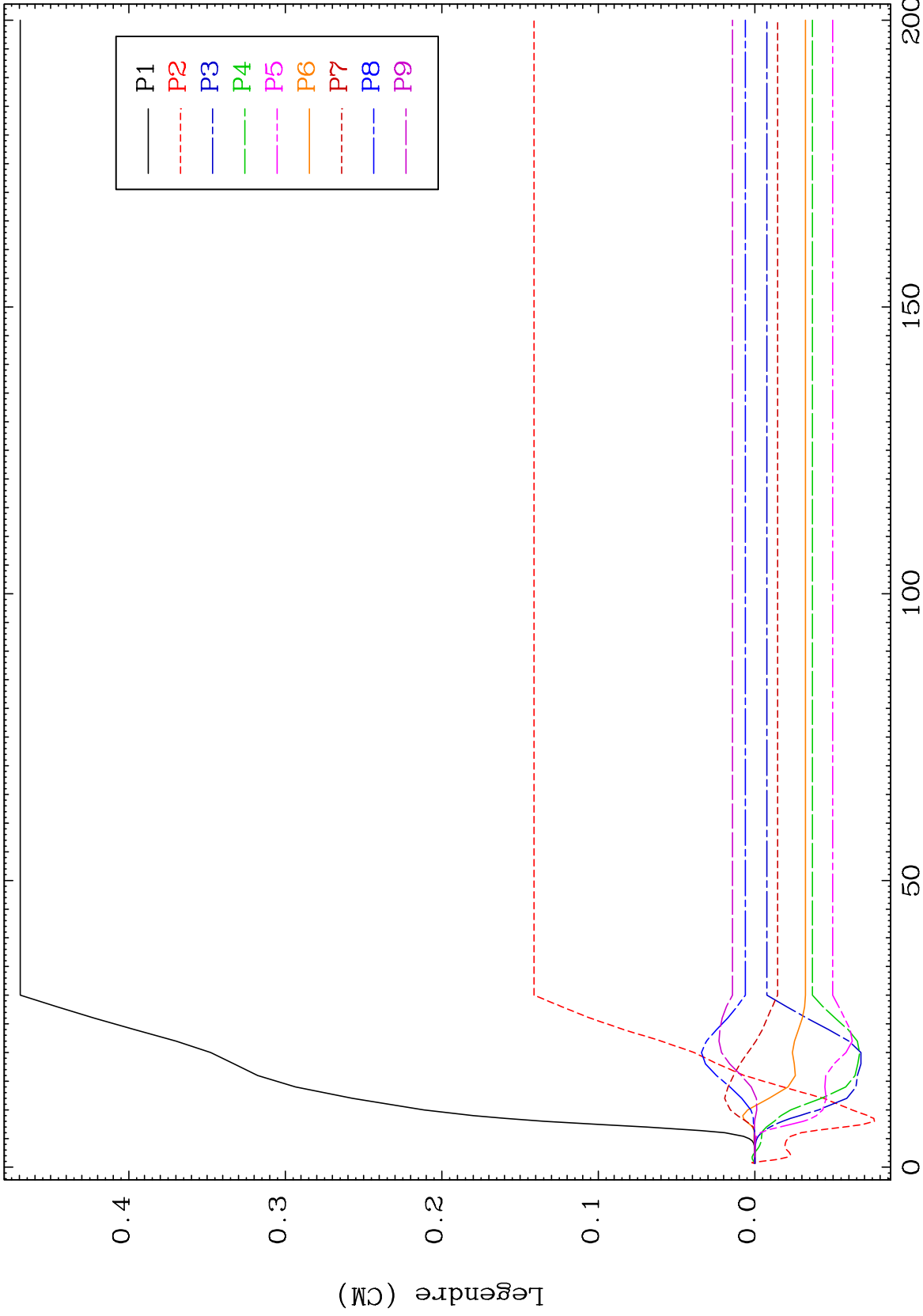
53-I -125



MAT 5319

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

53-I -125



45

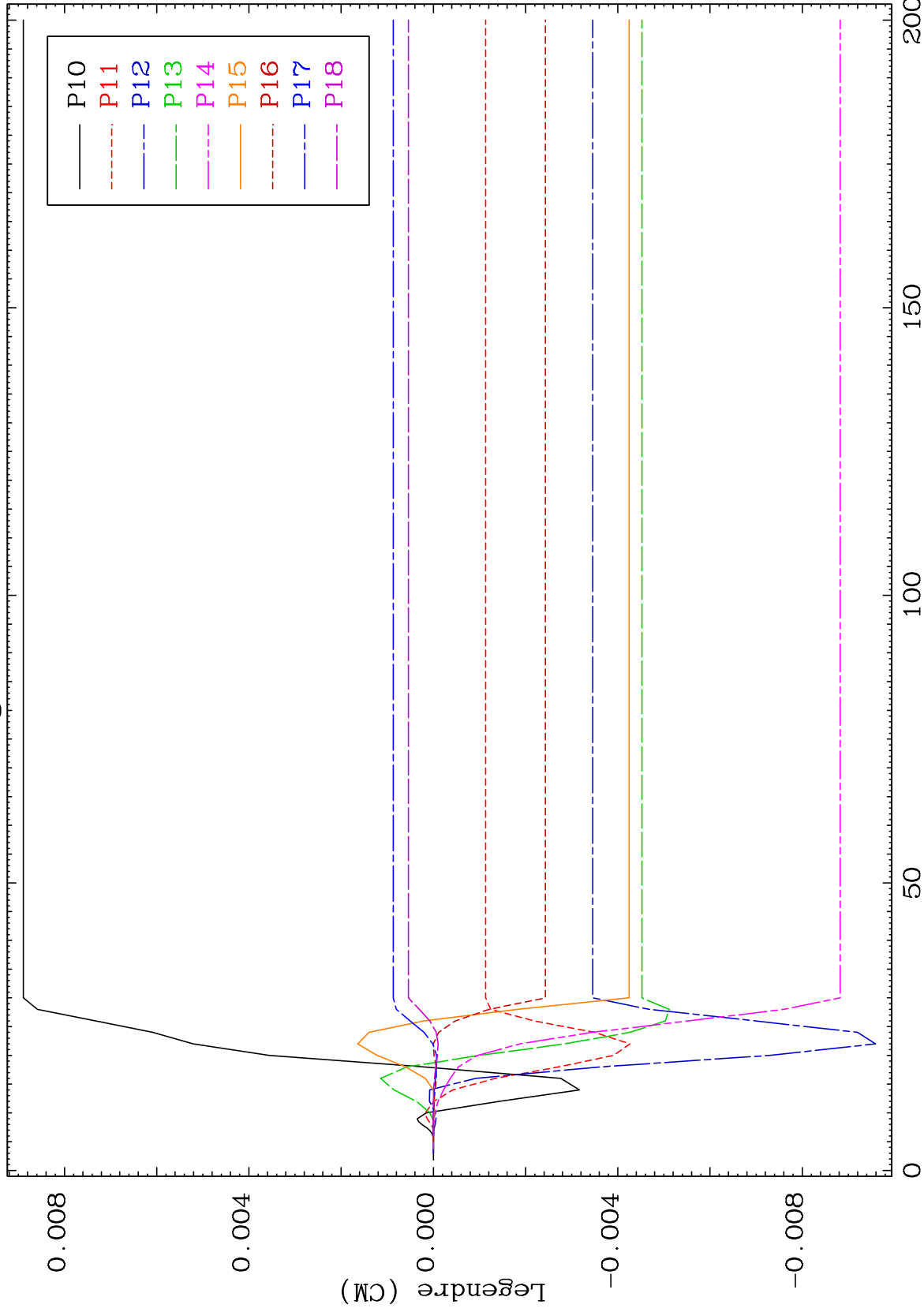
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



46

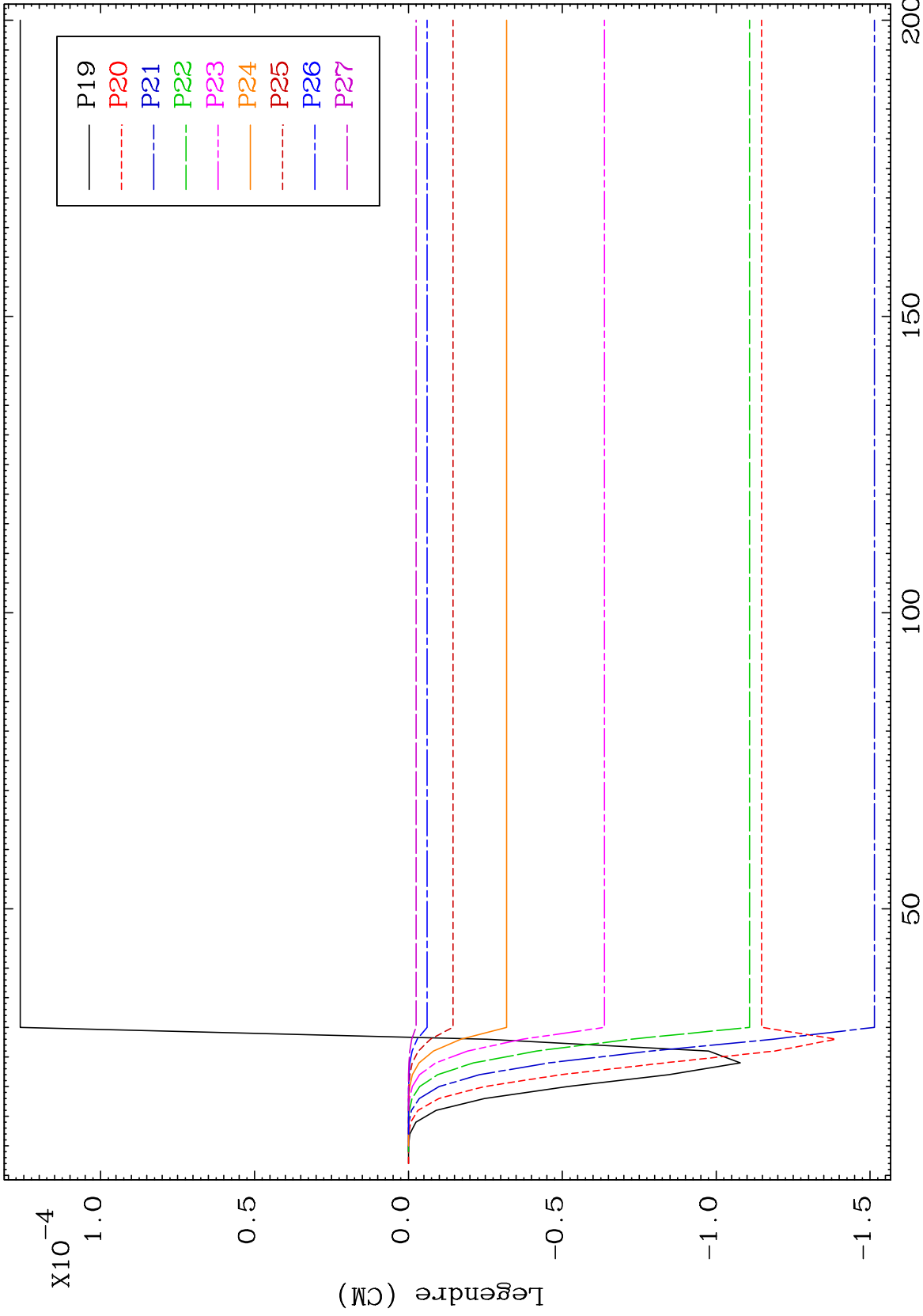
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



47

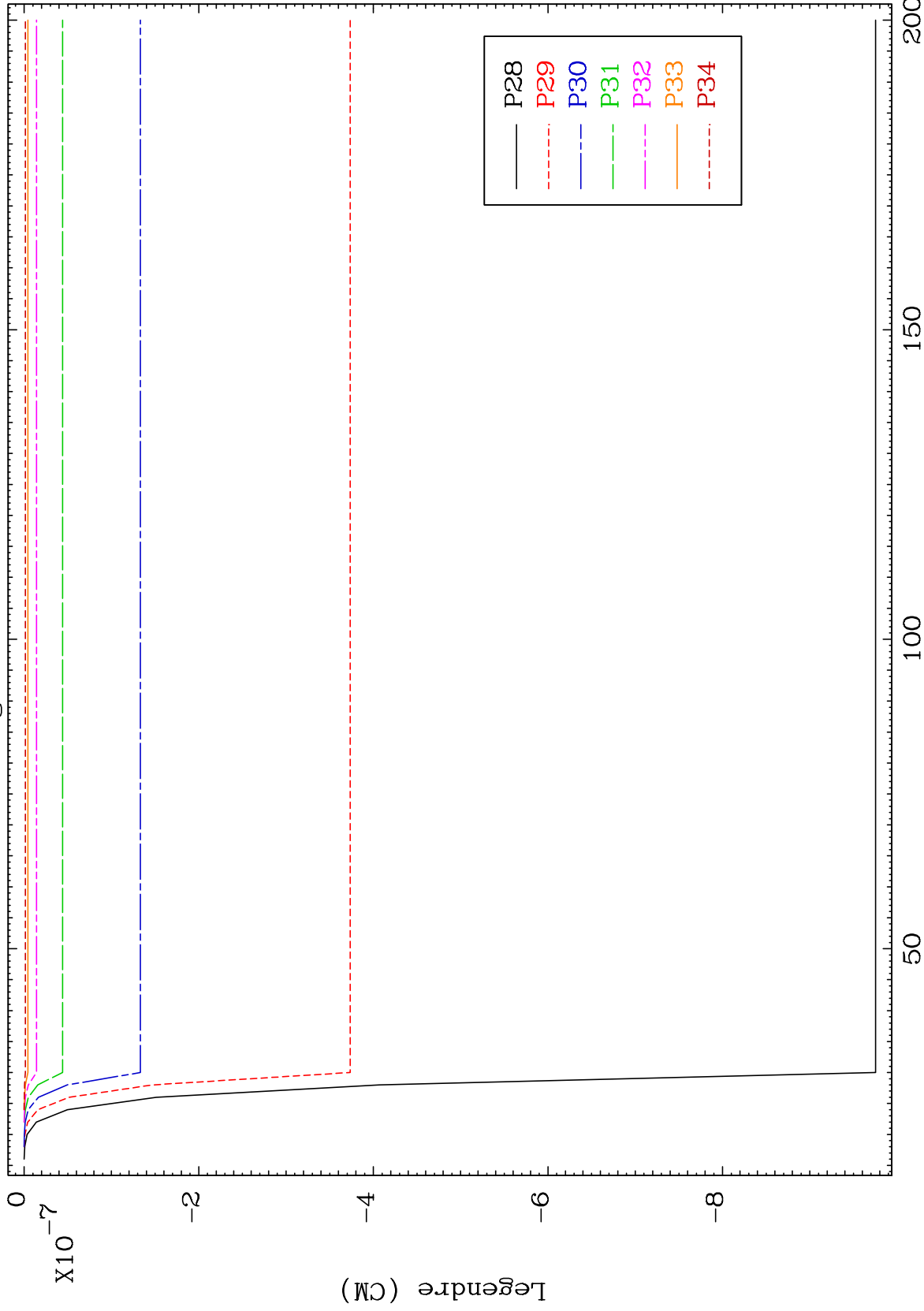
53-I -125



MAT 5319

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

53-I -125



48

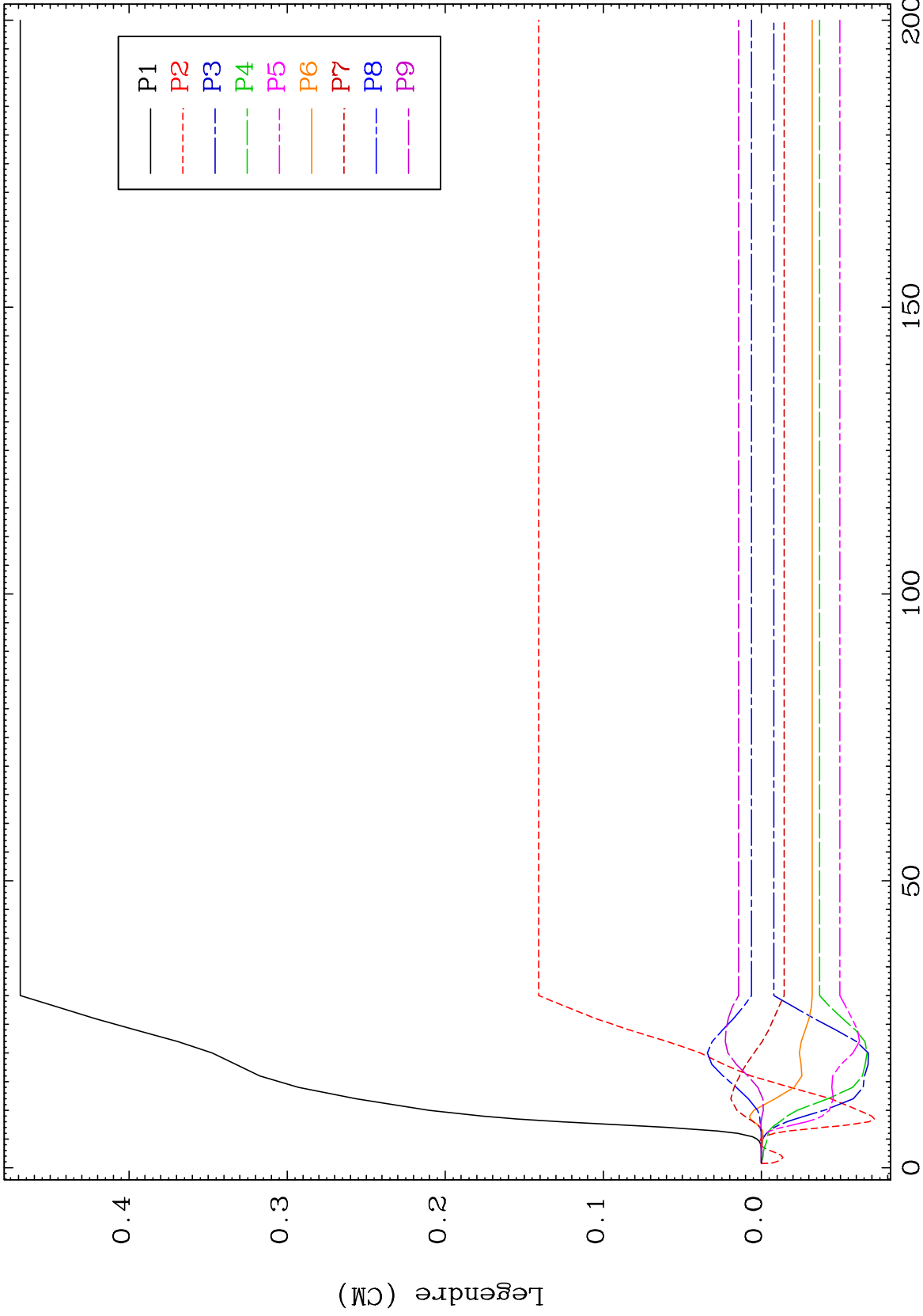
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



49

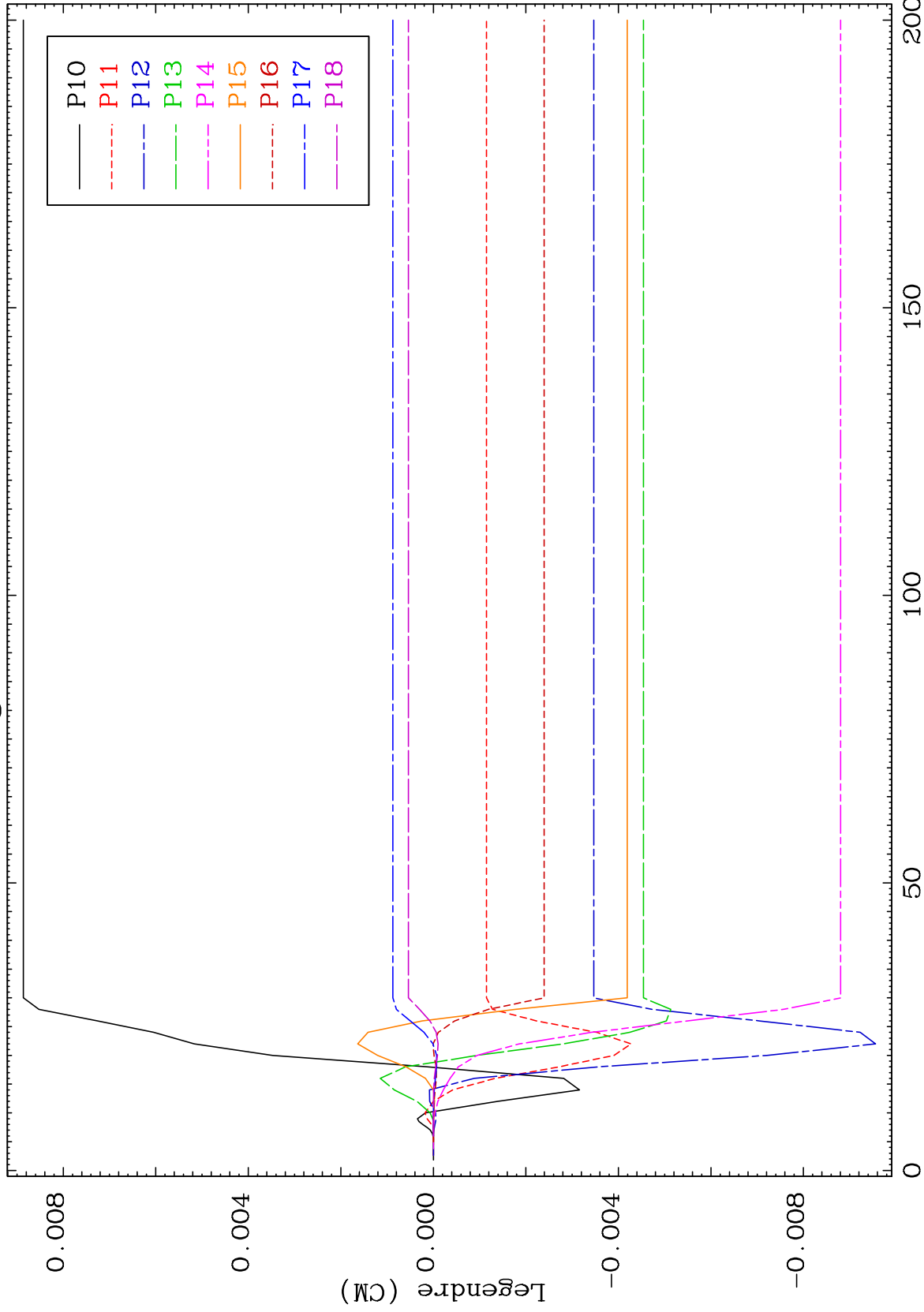
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



0

50

100

150

200

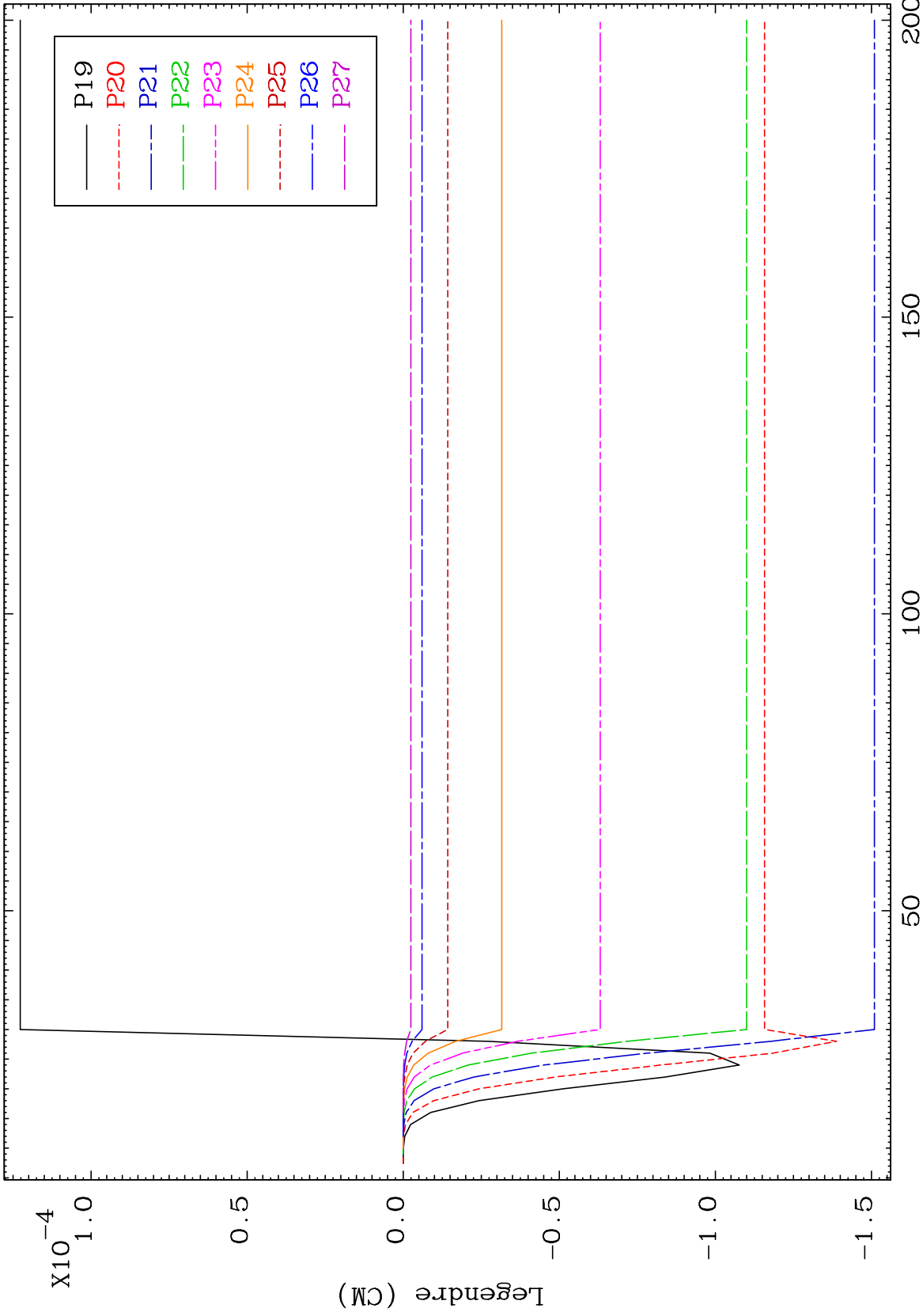
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



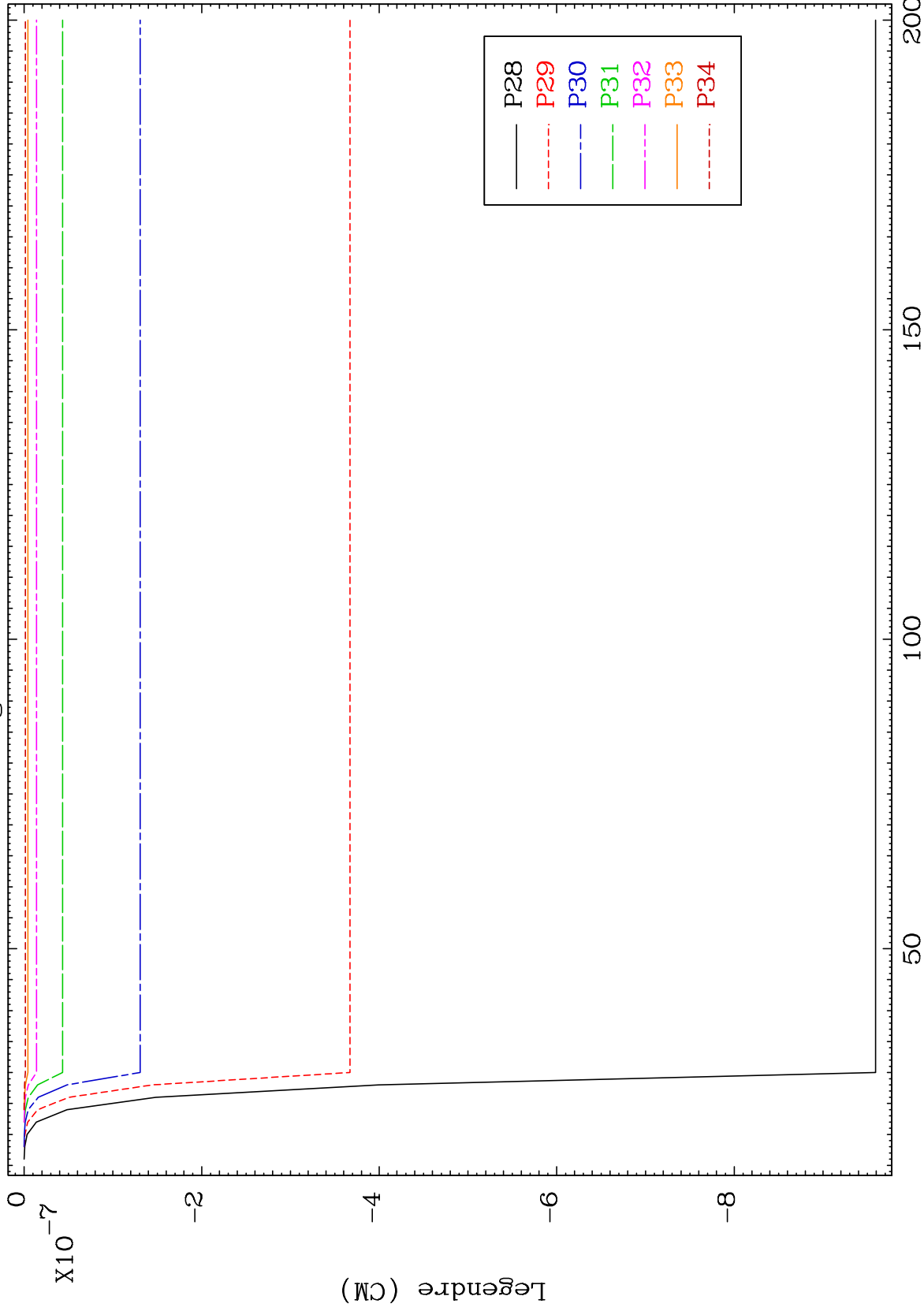
51

53-I -125

MAT 5319

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

53-I -125



52

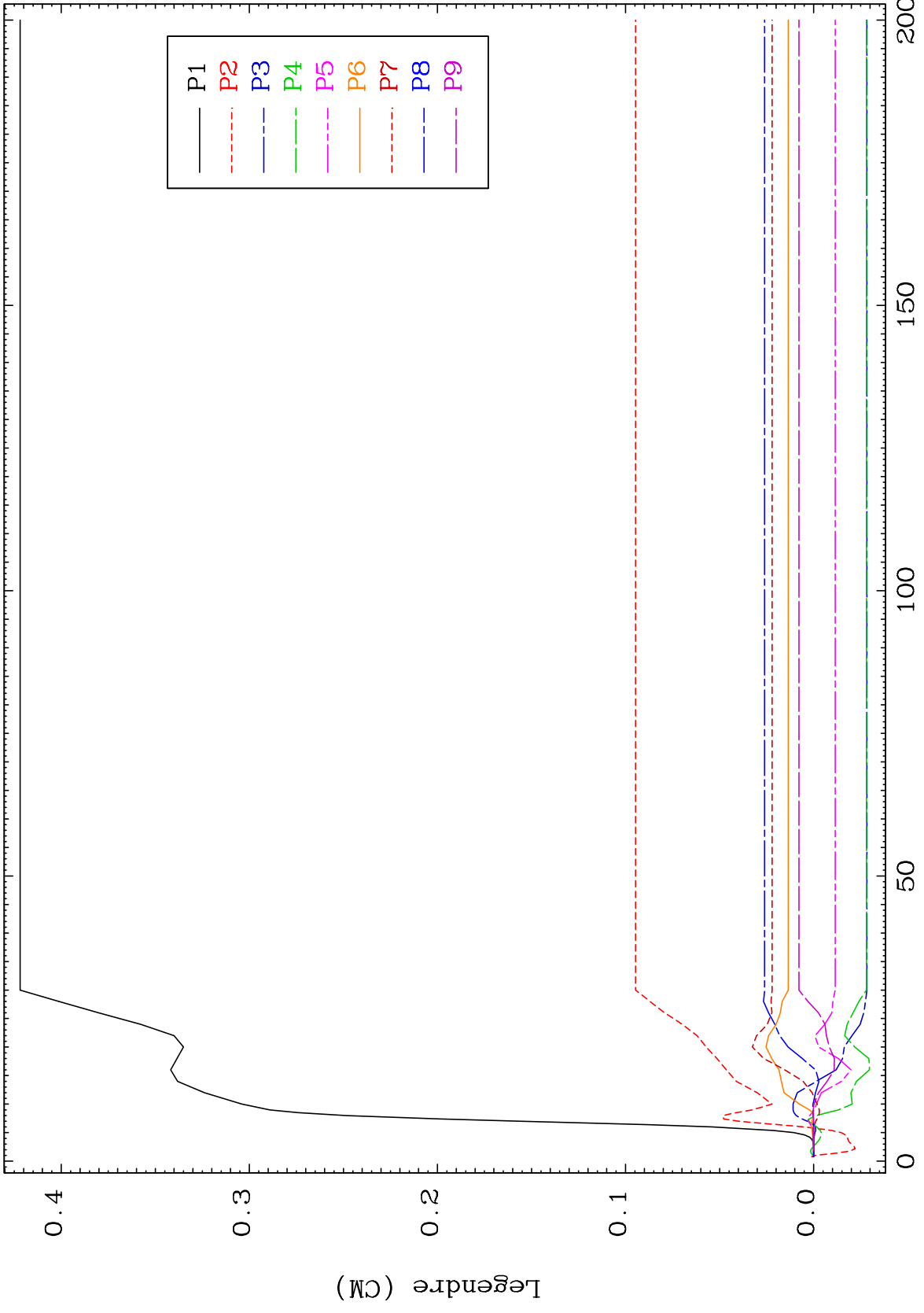
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125

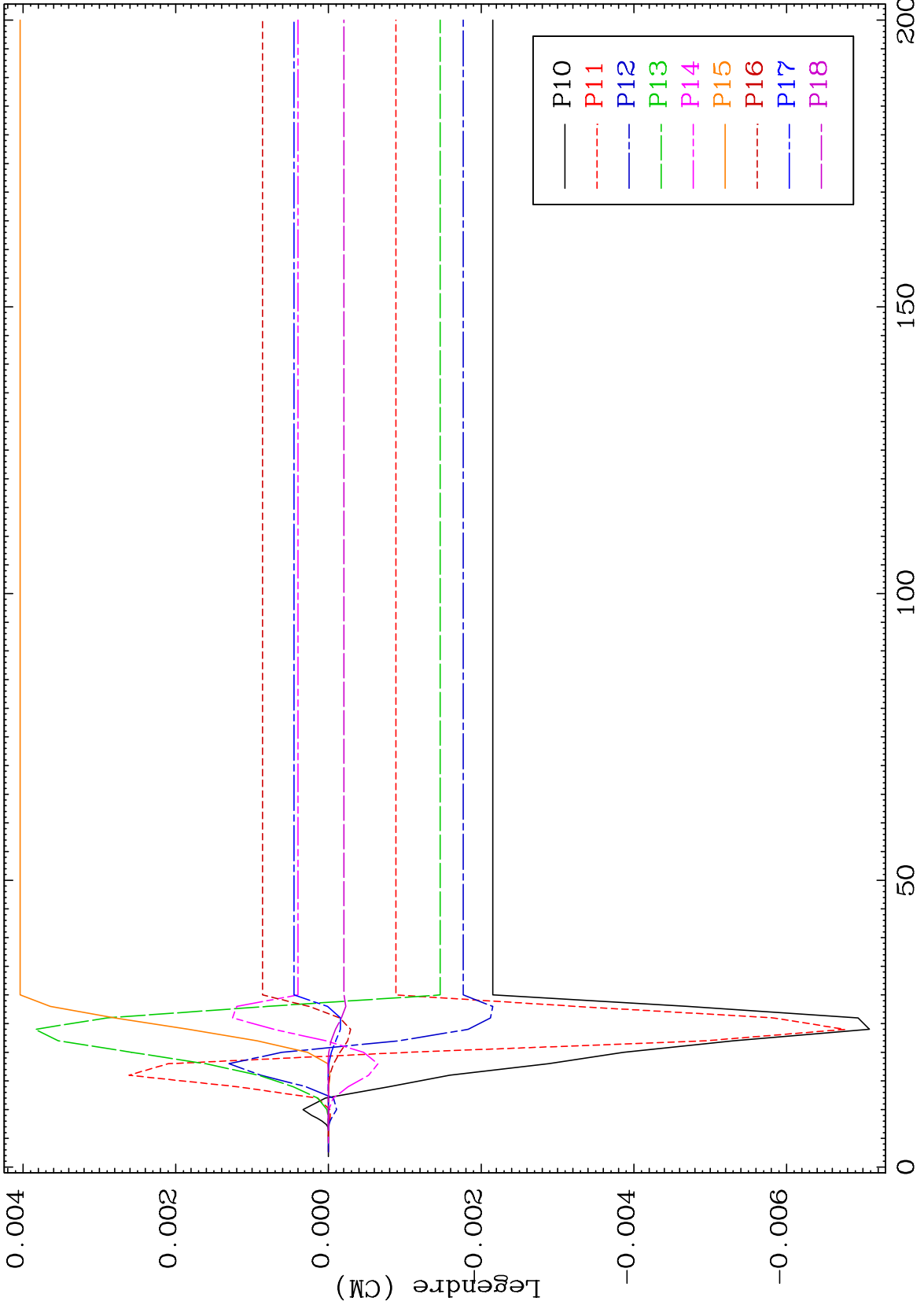


53

Incident Energy (MeV)

53-I -125

MAT 5319 MT= 60 (n,n') Level Legendre Coefficients 53-I -125

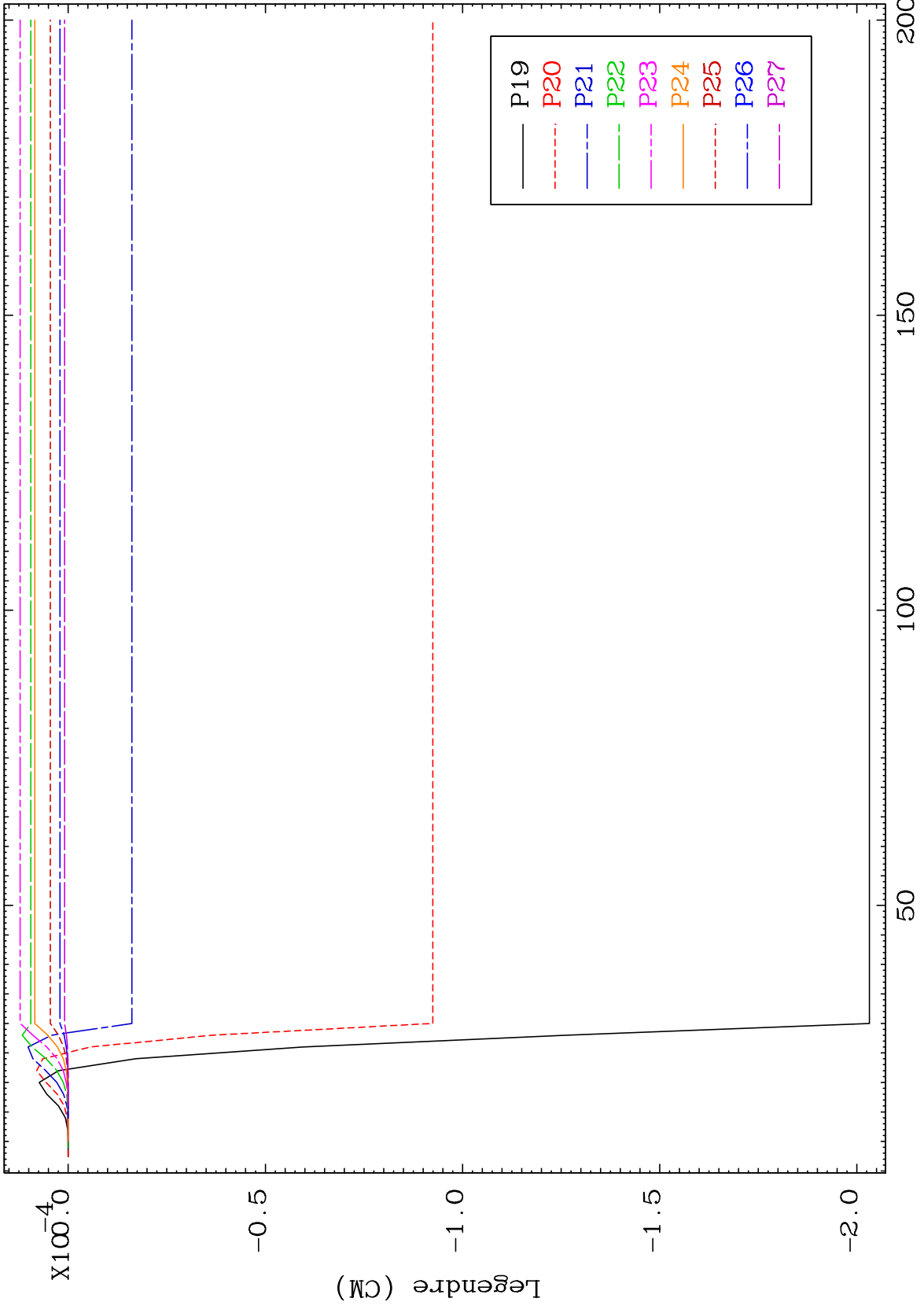


53-I -125

Incident Energy (MeV)

54

MAT 5319 MT= 60 (n,n') Level Legendre Coefficients 53-I -125



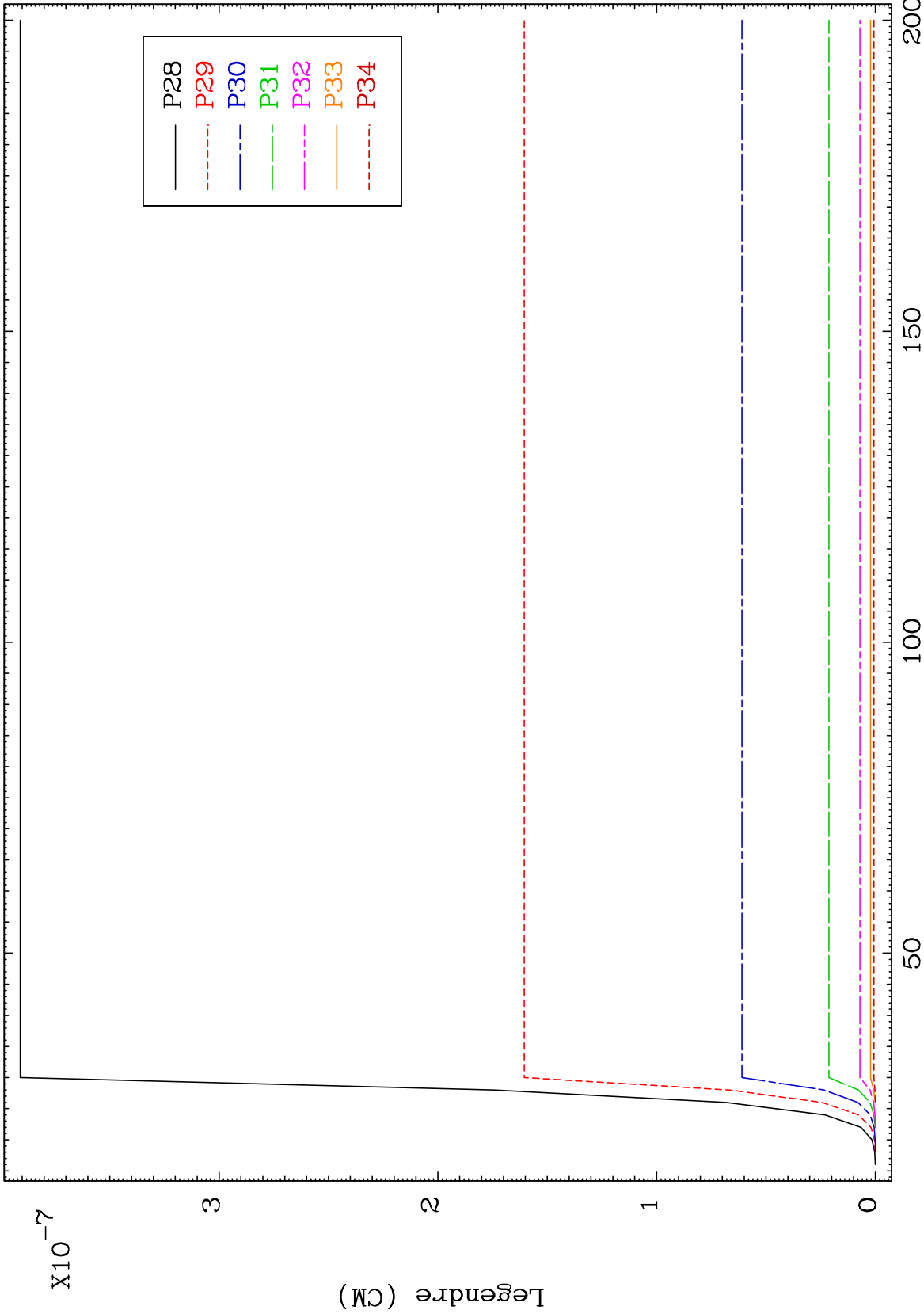
55 Incident Energy (MeV) 53-I -125



MAT 5319

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

53-I -125



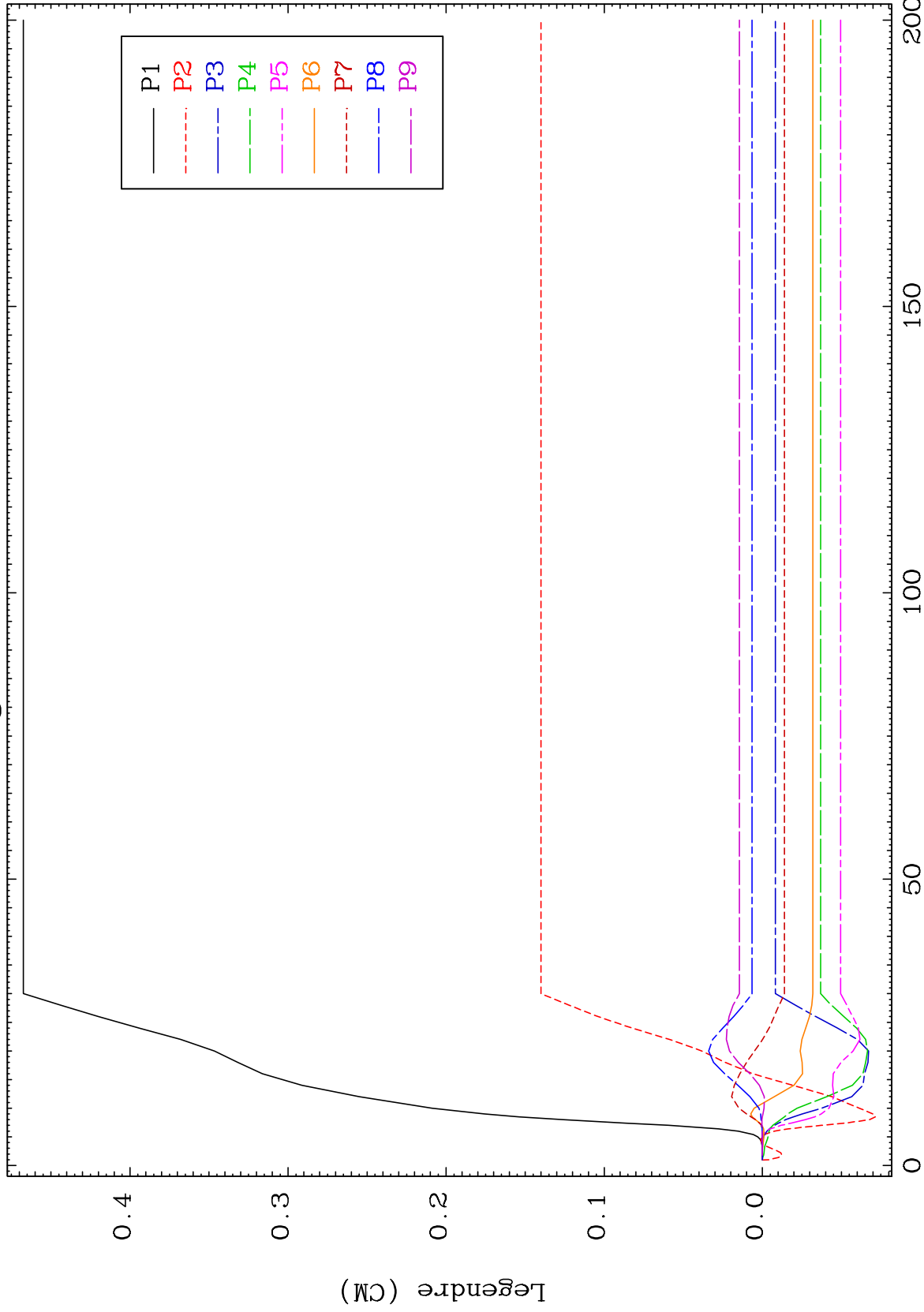
56

53-I -125

MAT 5319

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

53-I -125



57

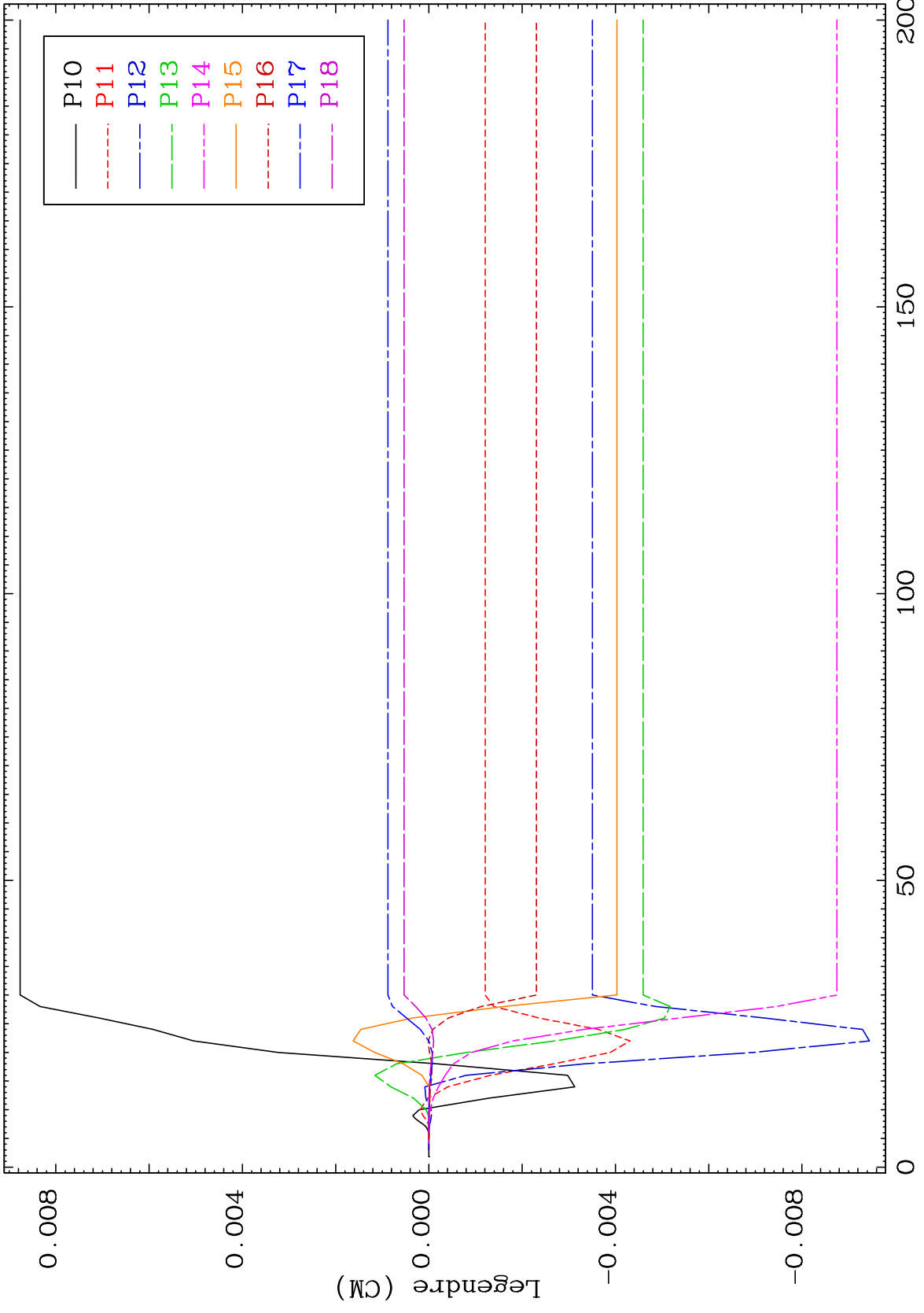
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



58

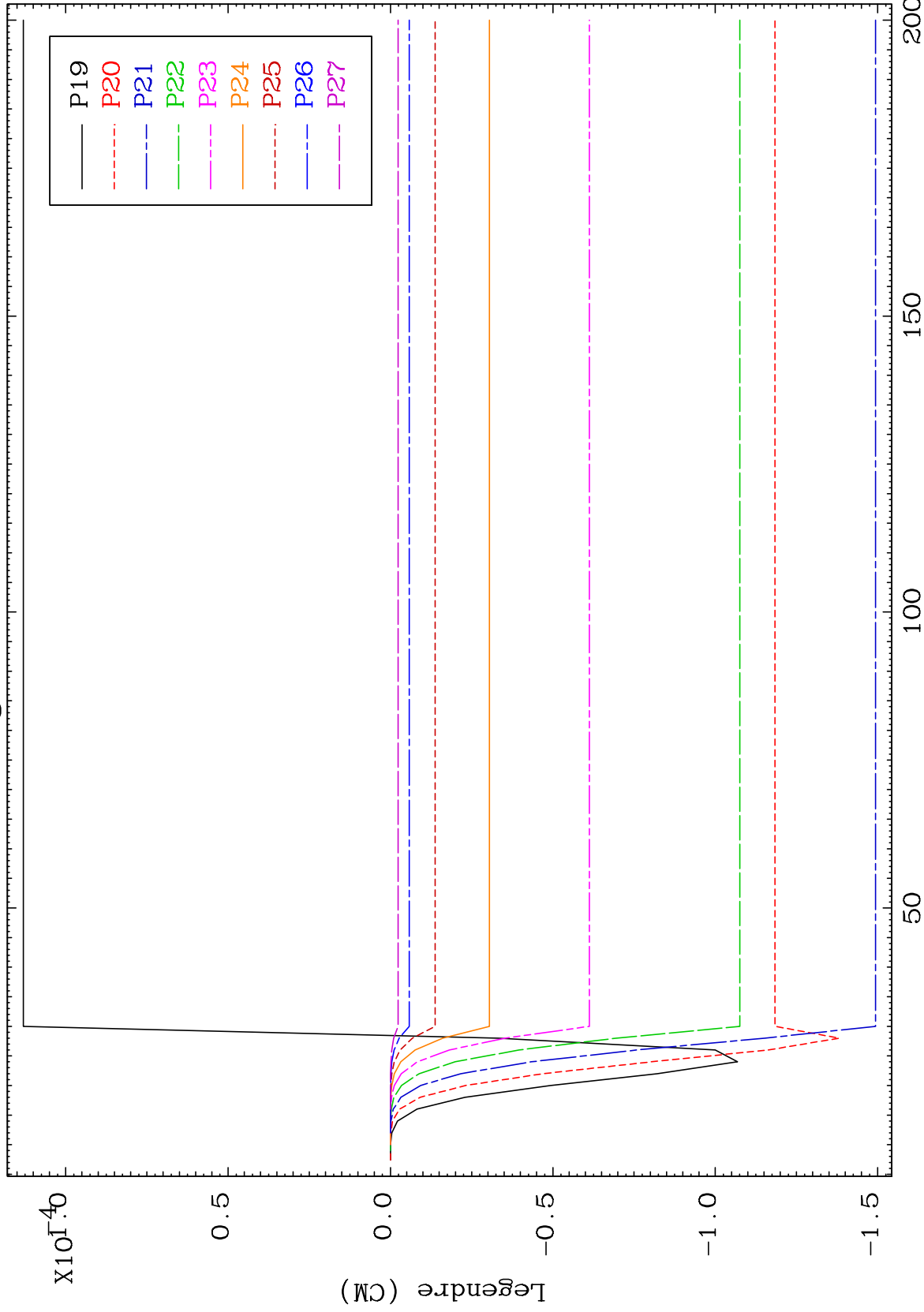
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



59

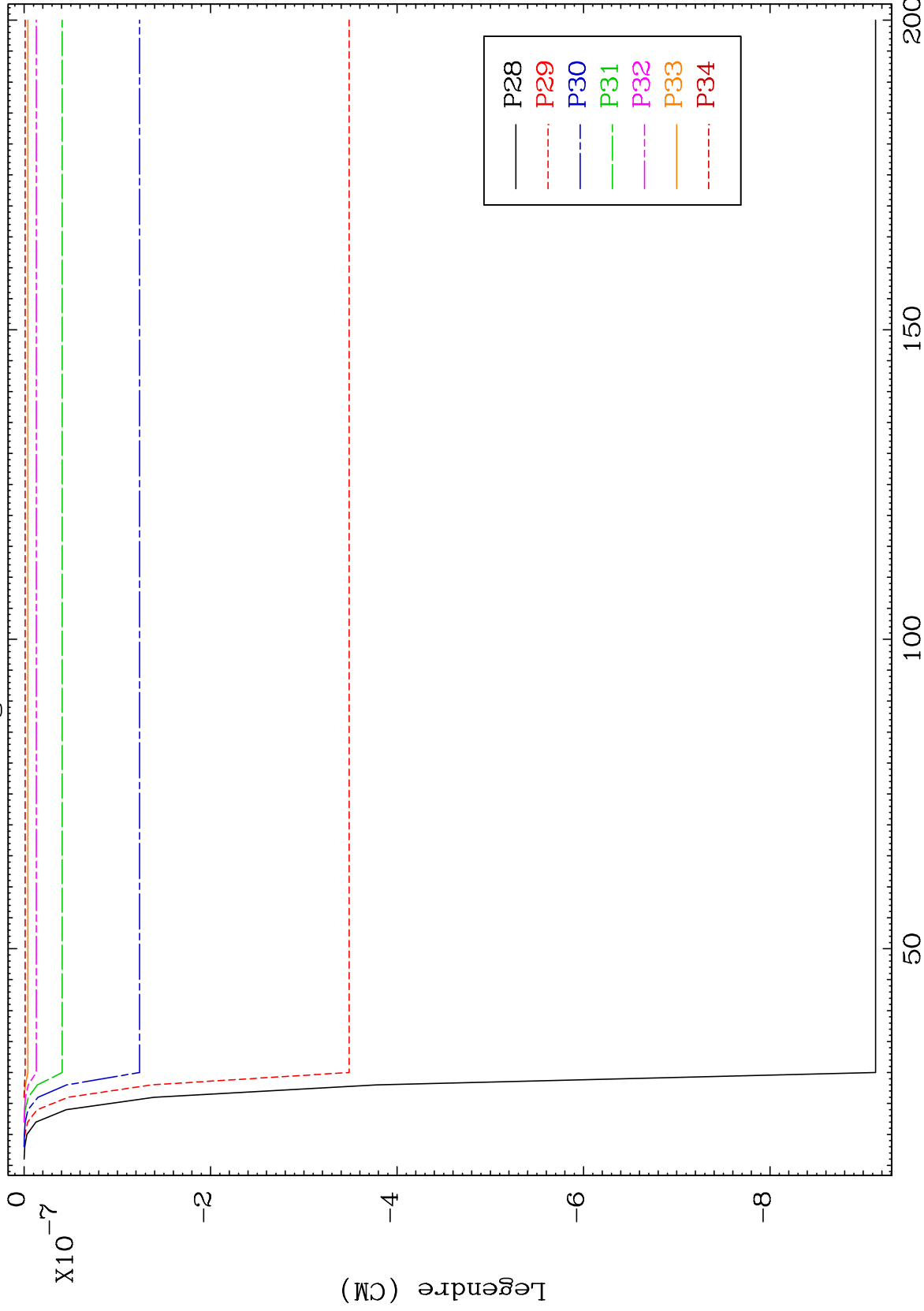
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



60

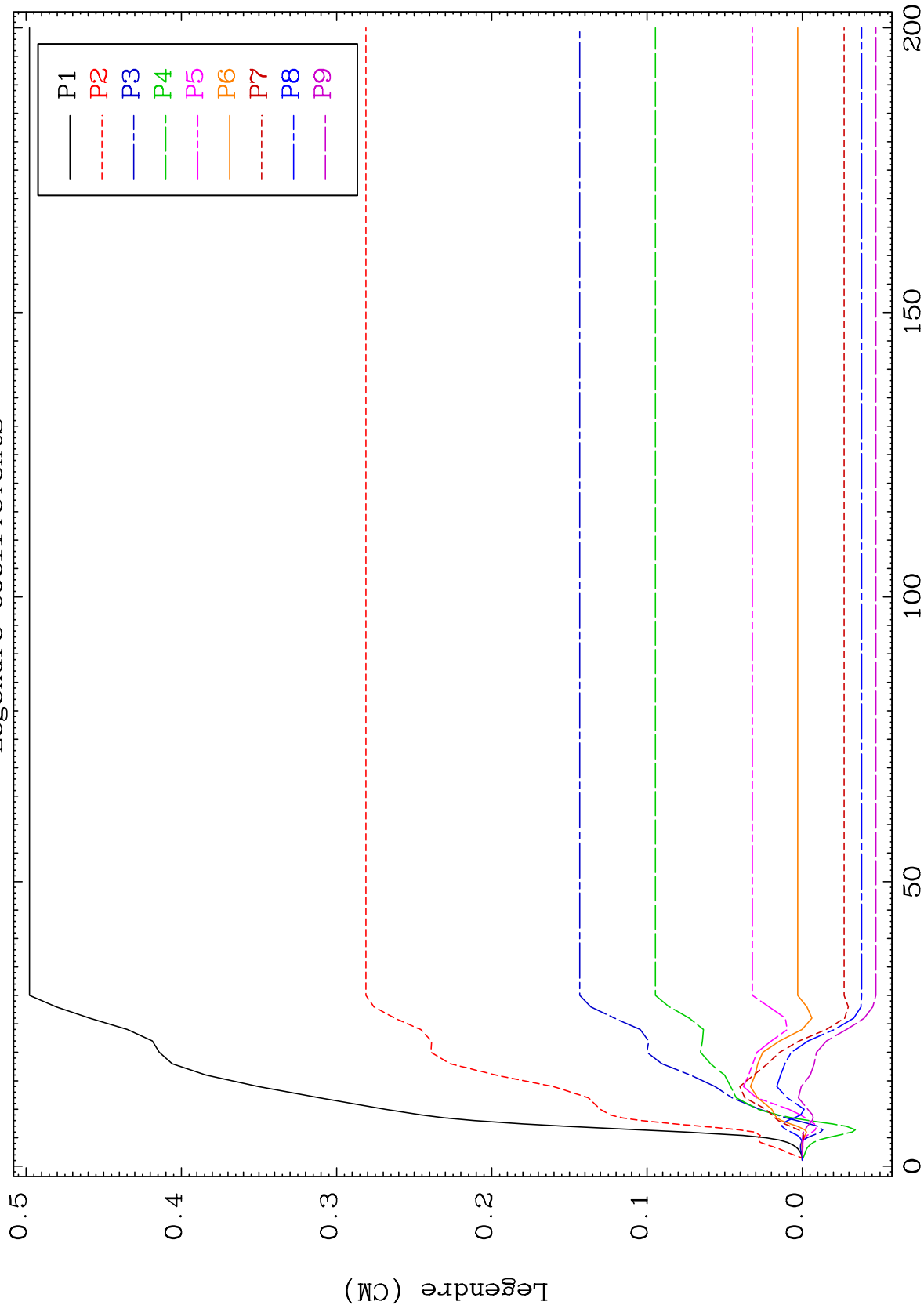
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



61

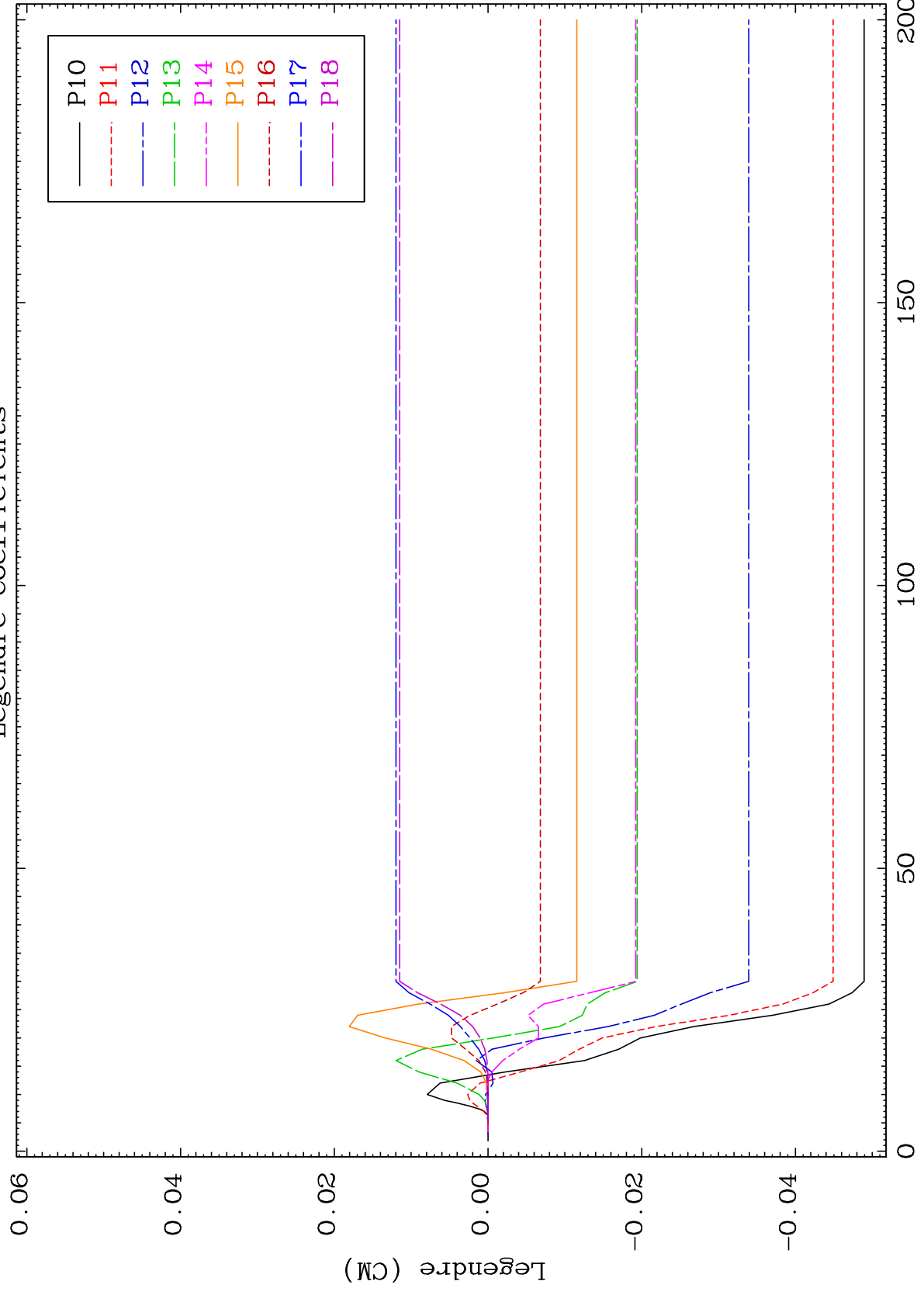
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



62

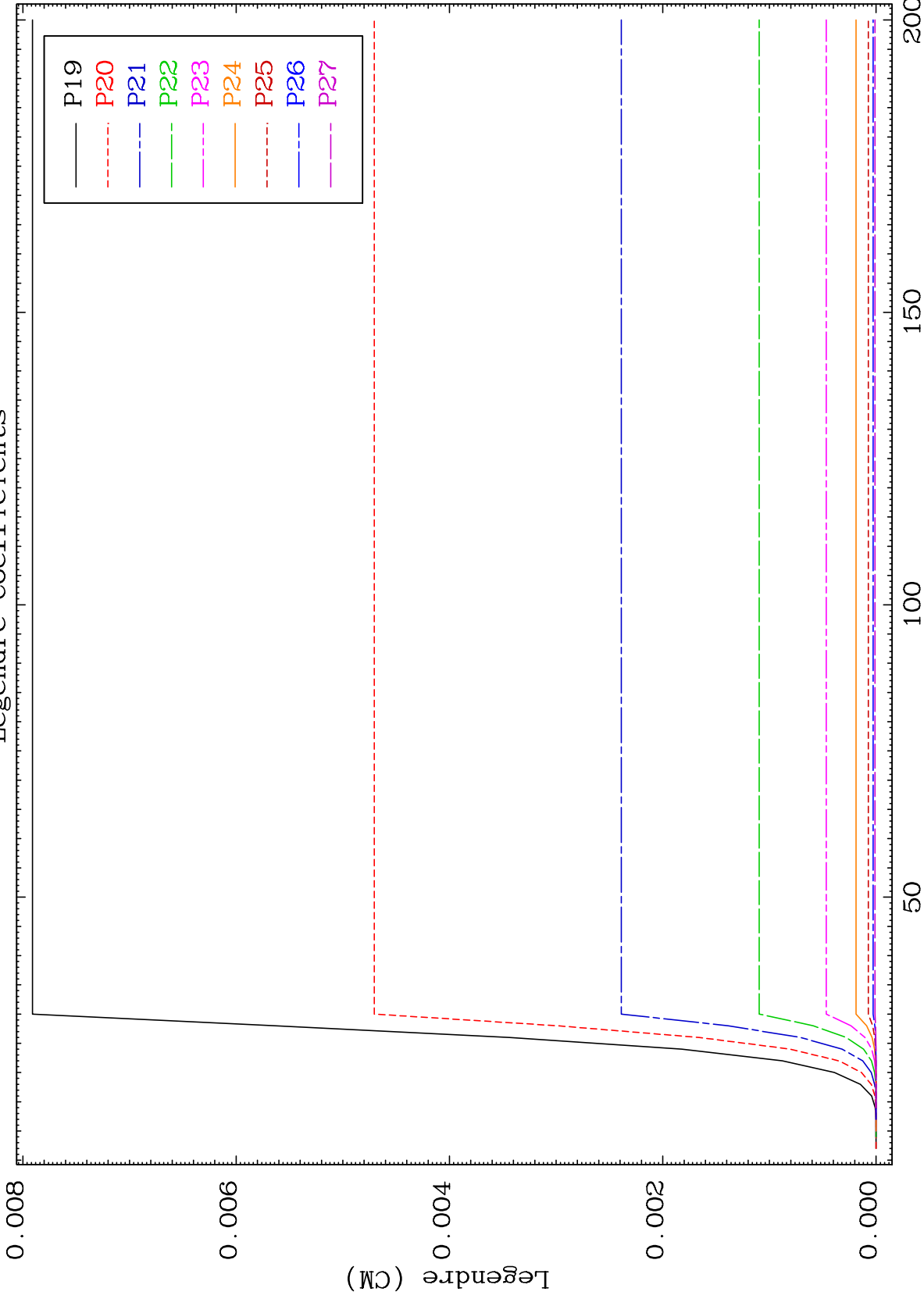
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



63

Incident Energy (MeV)

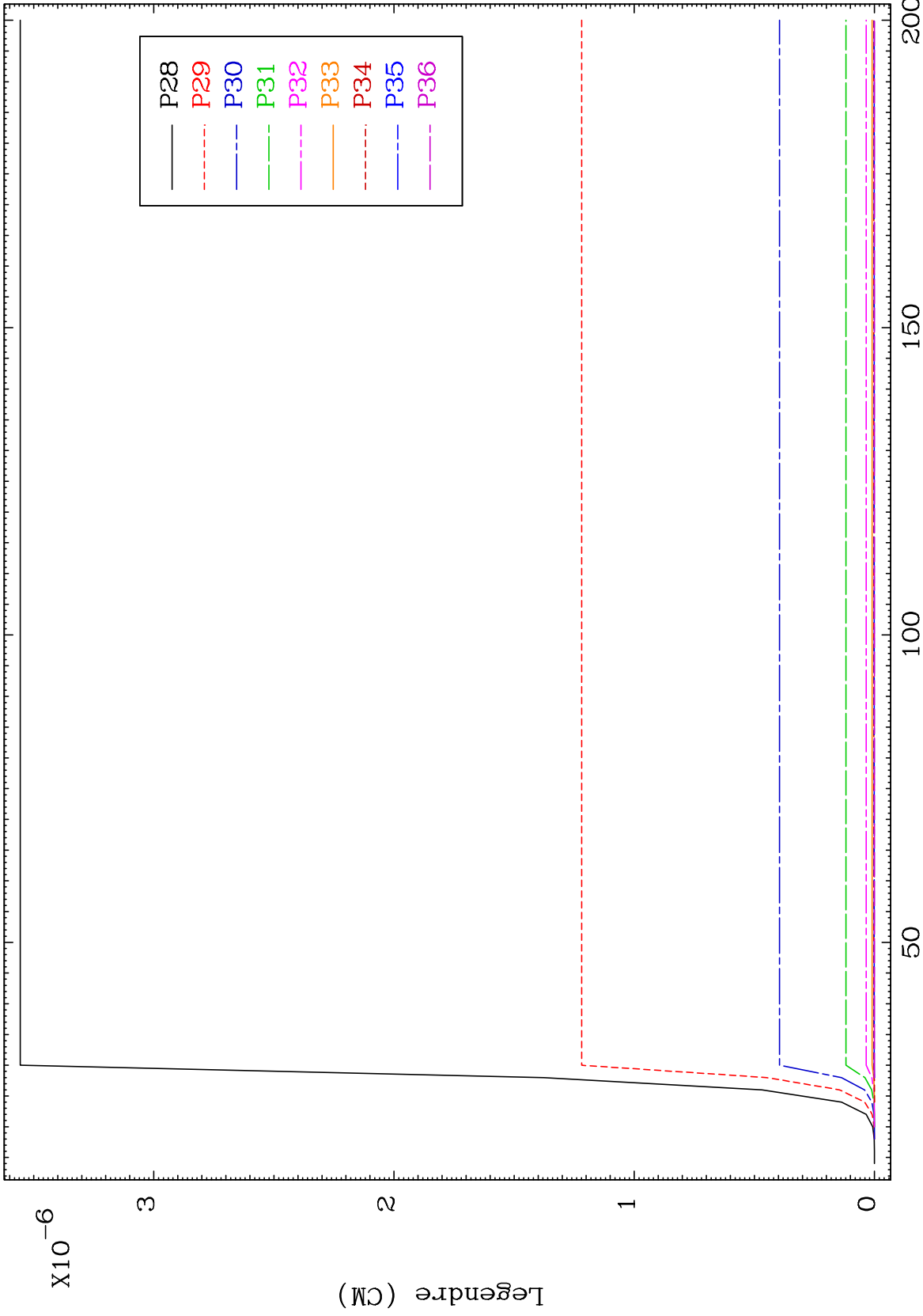
53-I -125



MAT 5319

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

53-I -125



64

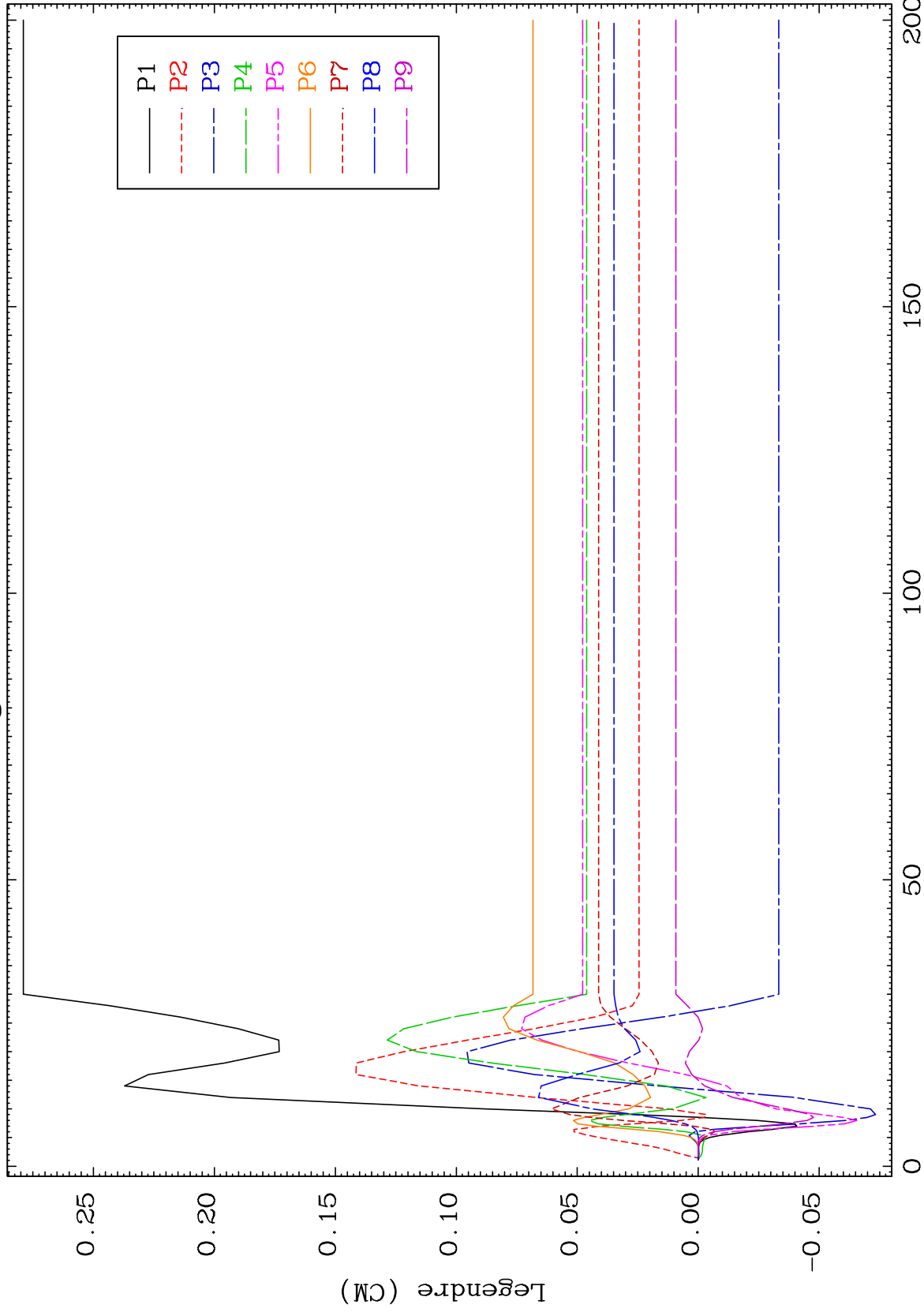
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



65

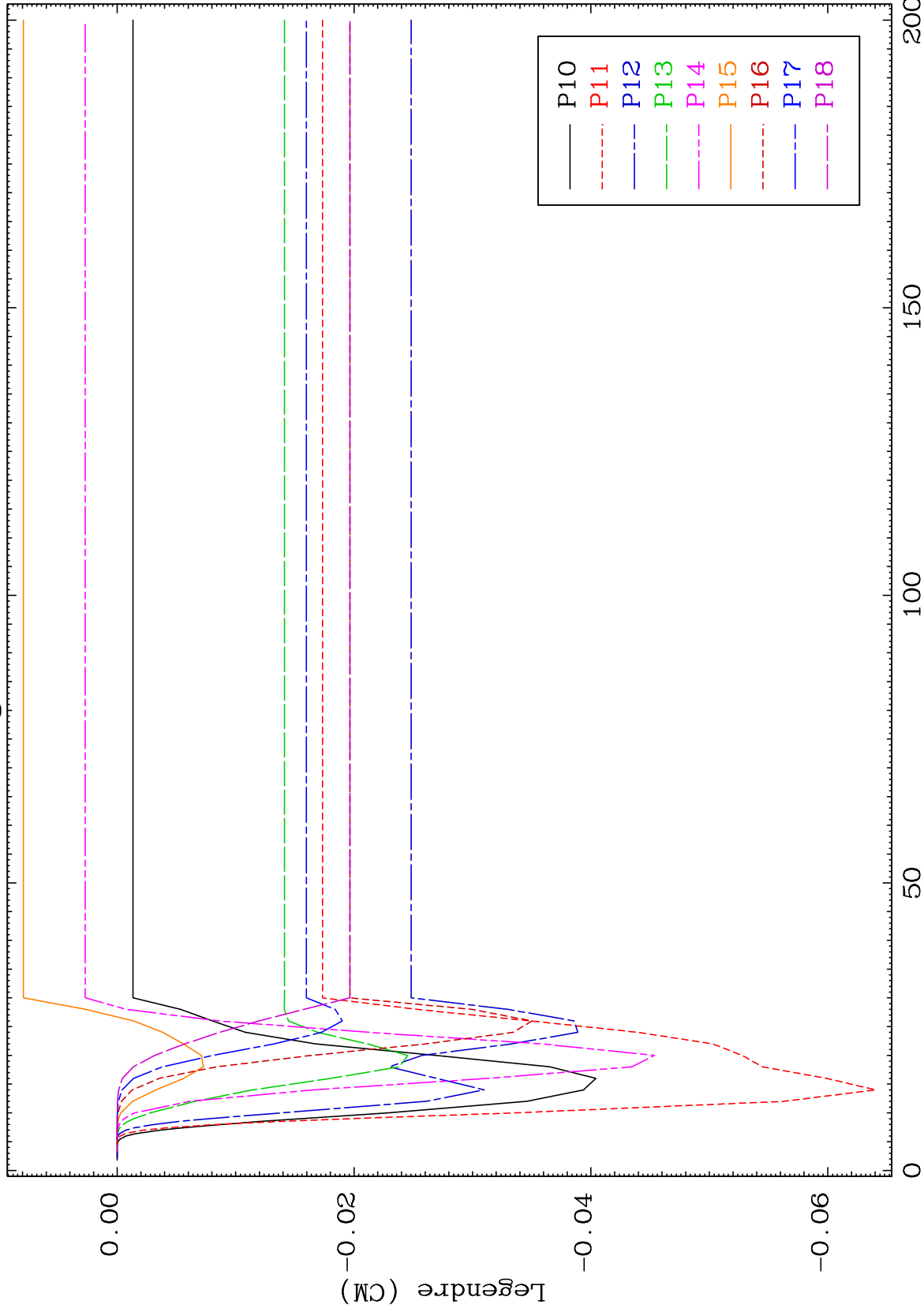
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125

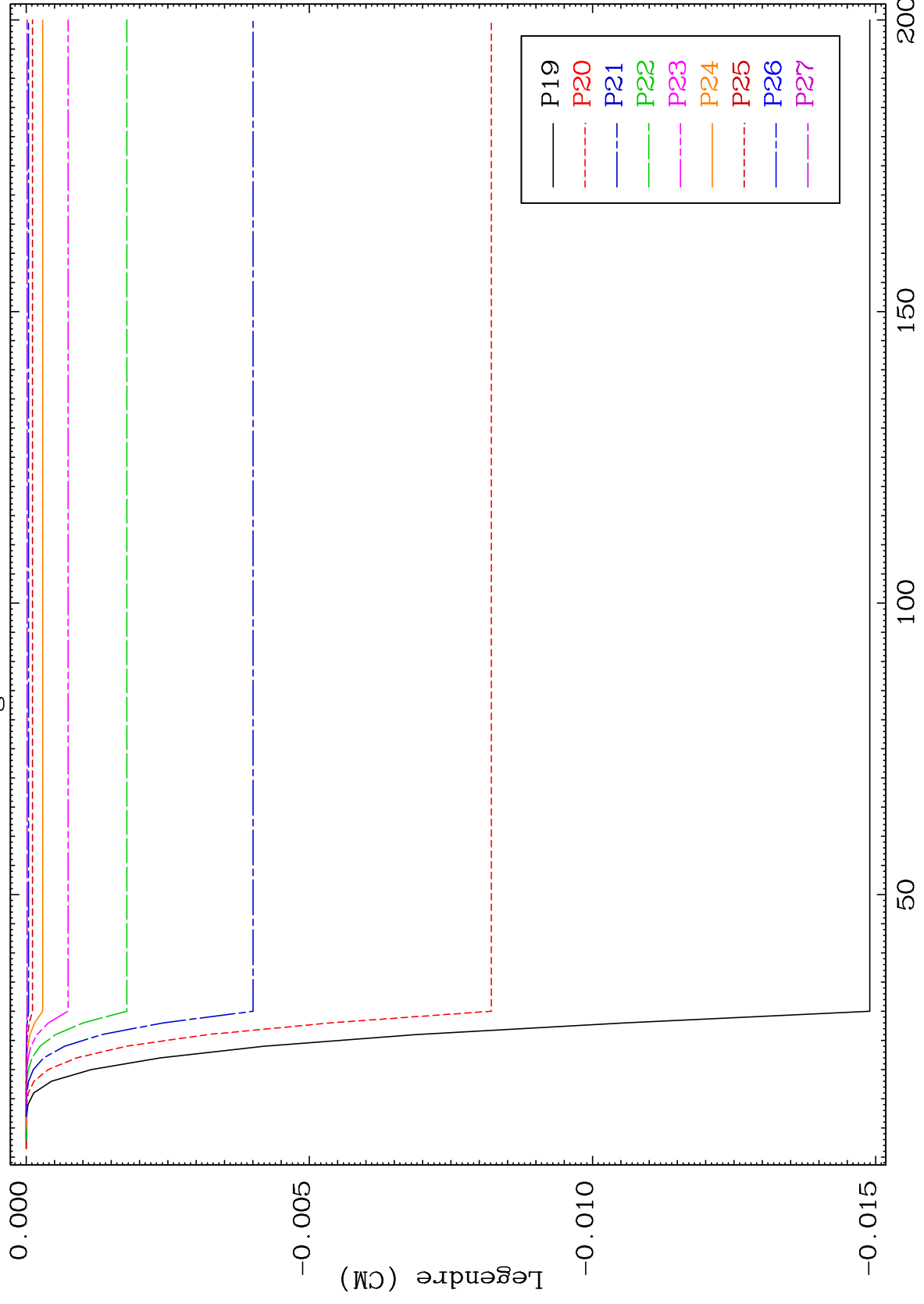


66

Incident Energy (MeV)

53-I -125

MAT 5319 MT= 63 (n,n') Level Legendre Coefficients 53-I -125

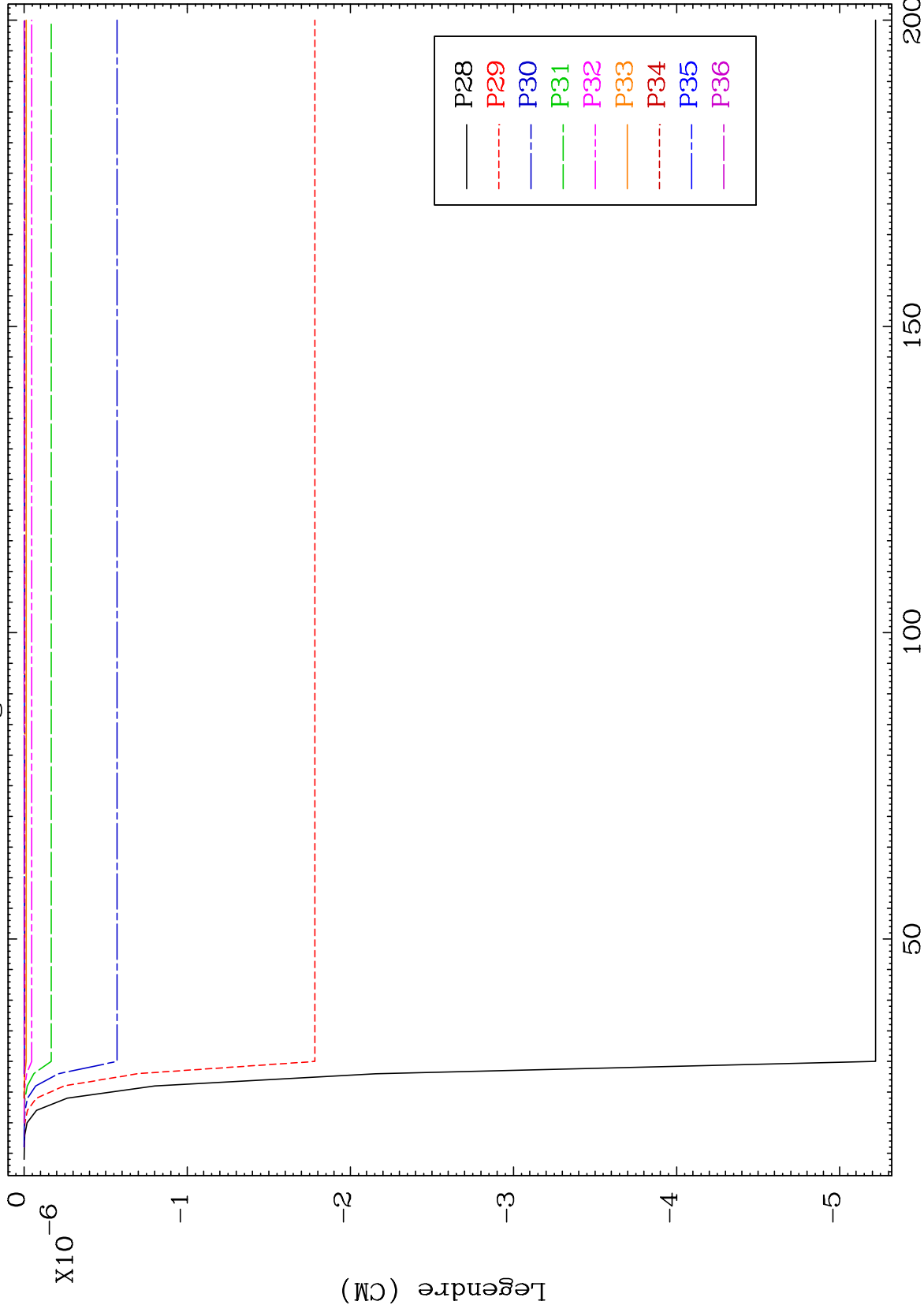


67 53-I -125

MAT 5319

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

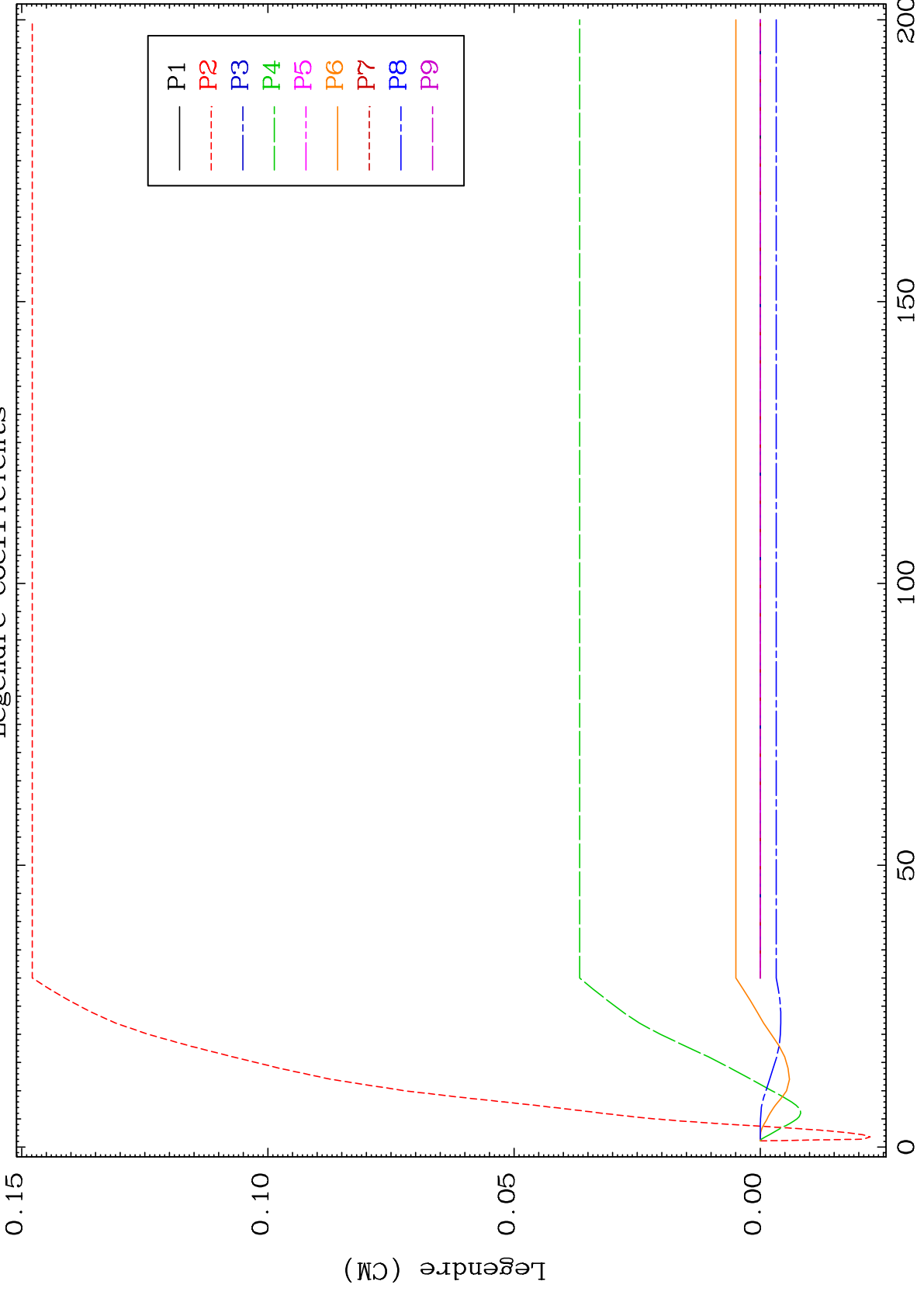
53-I -125



68

53-I -125

MAT 5319 MT= 64 (n,n') Level Legendre Coefficients 53-I -125

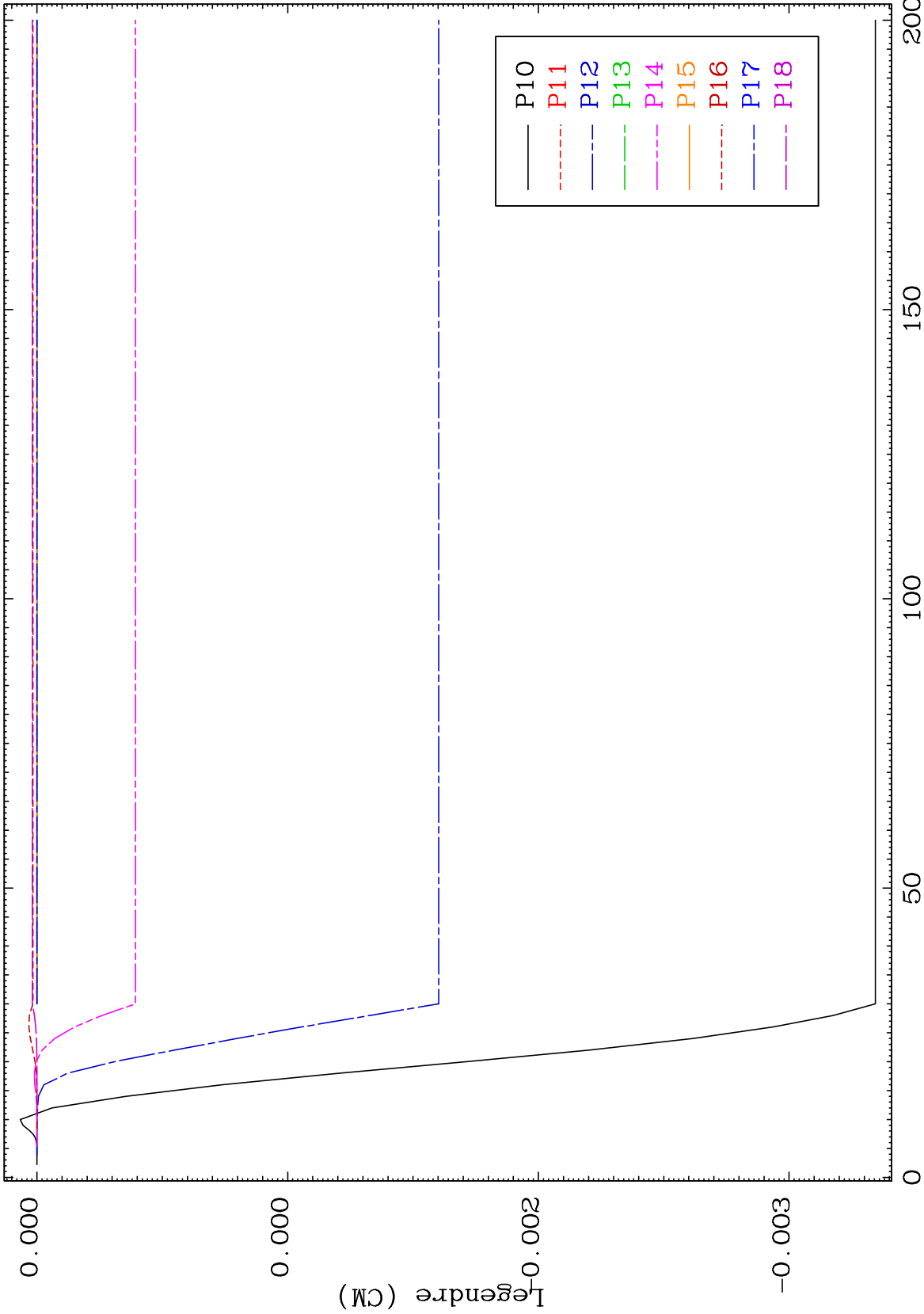


69 53-I -125

MAT 5319

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

53-I -125



70

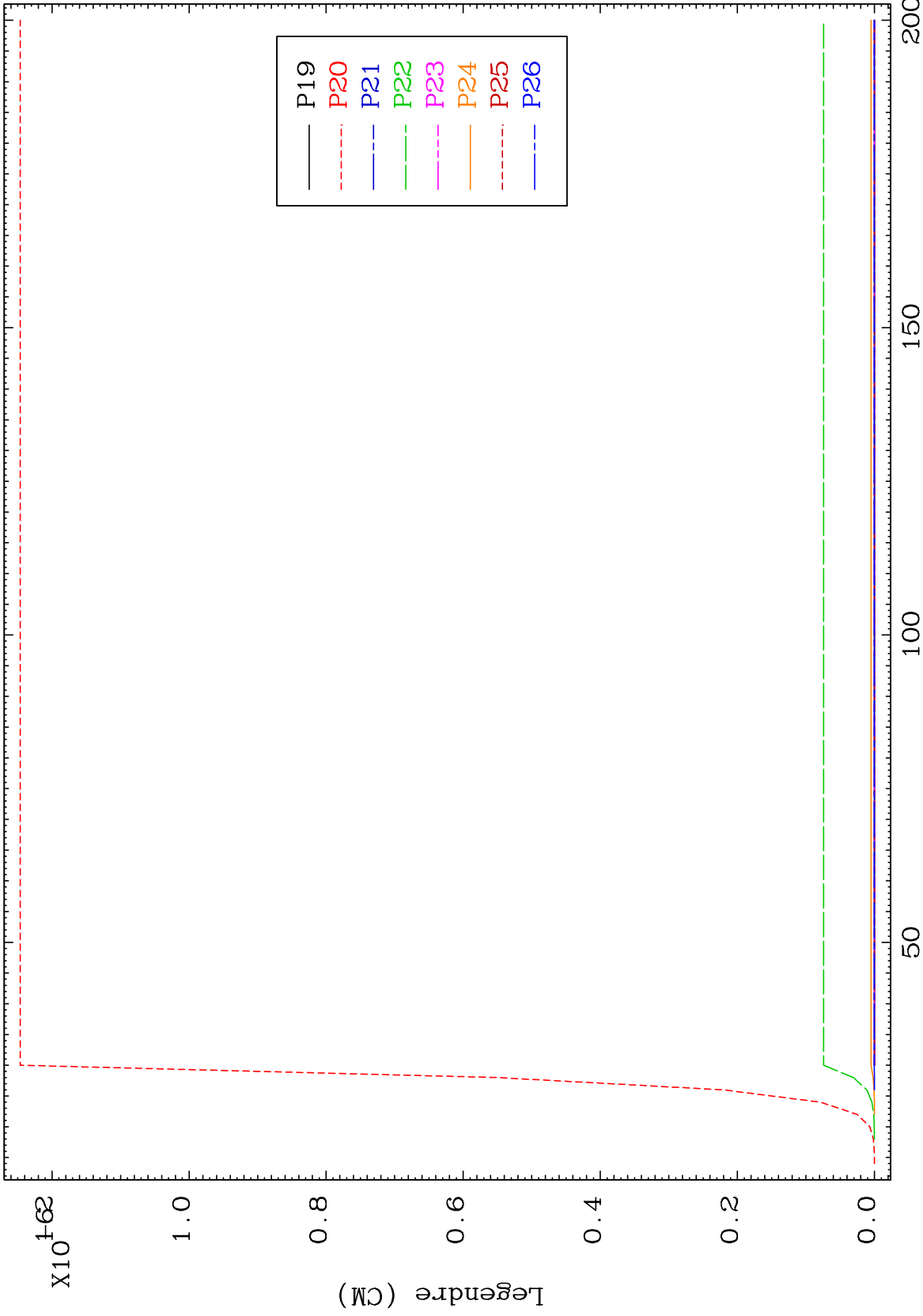
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



71

Incident Energy (MeV)

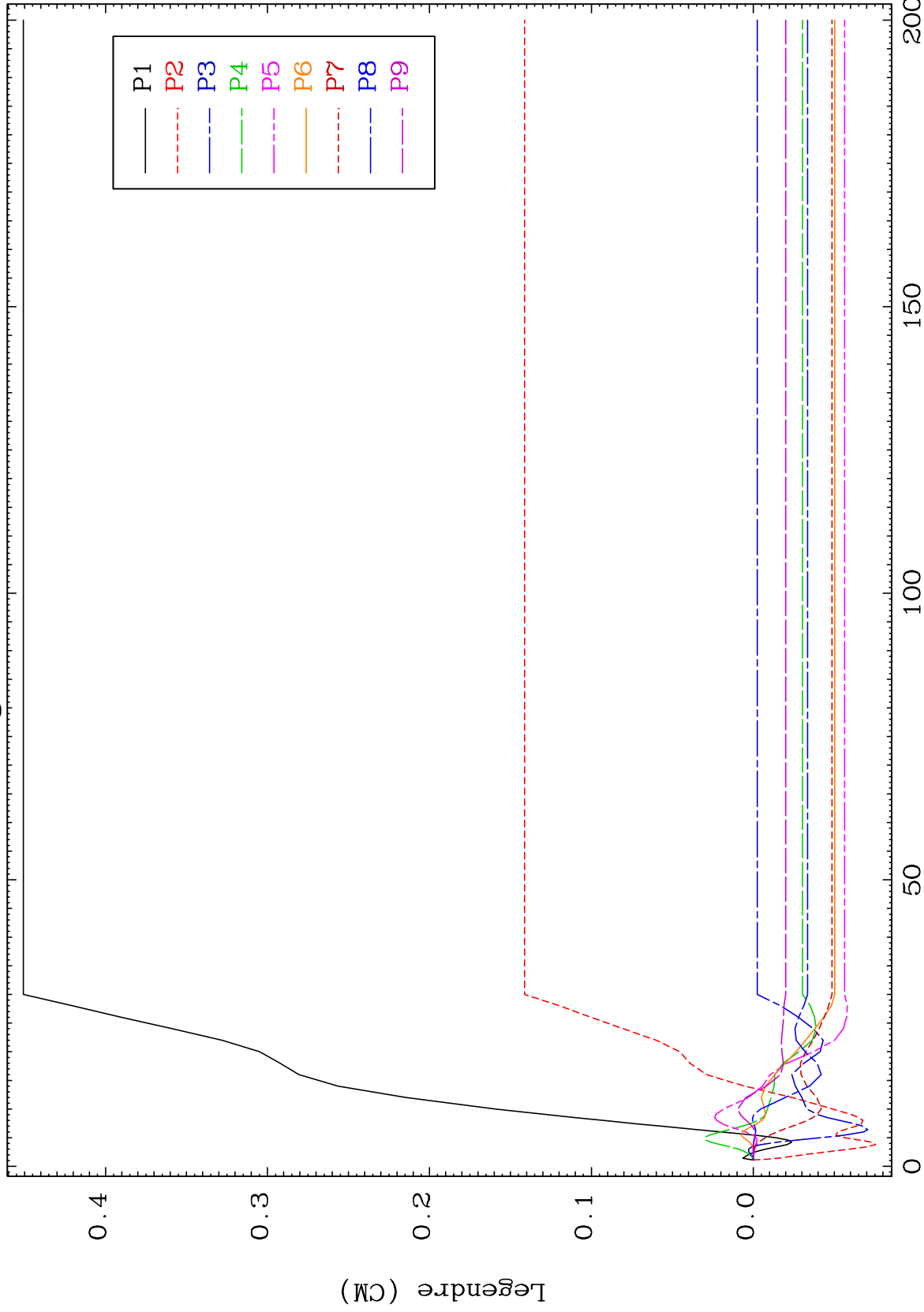
53-I -125



MAT 5319

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

53-I -125



72

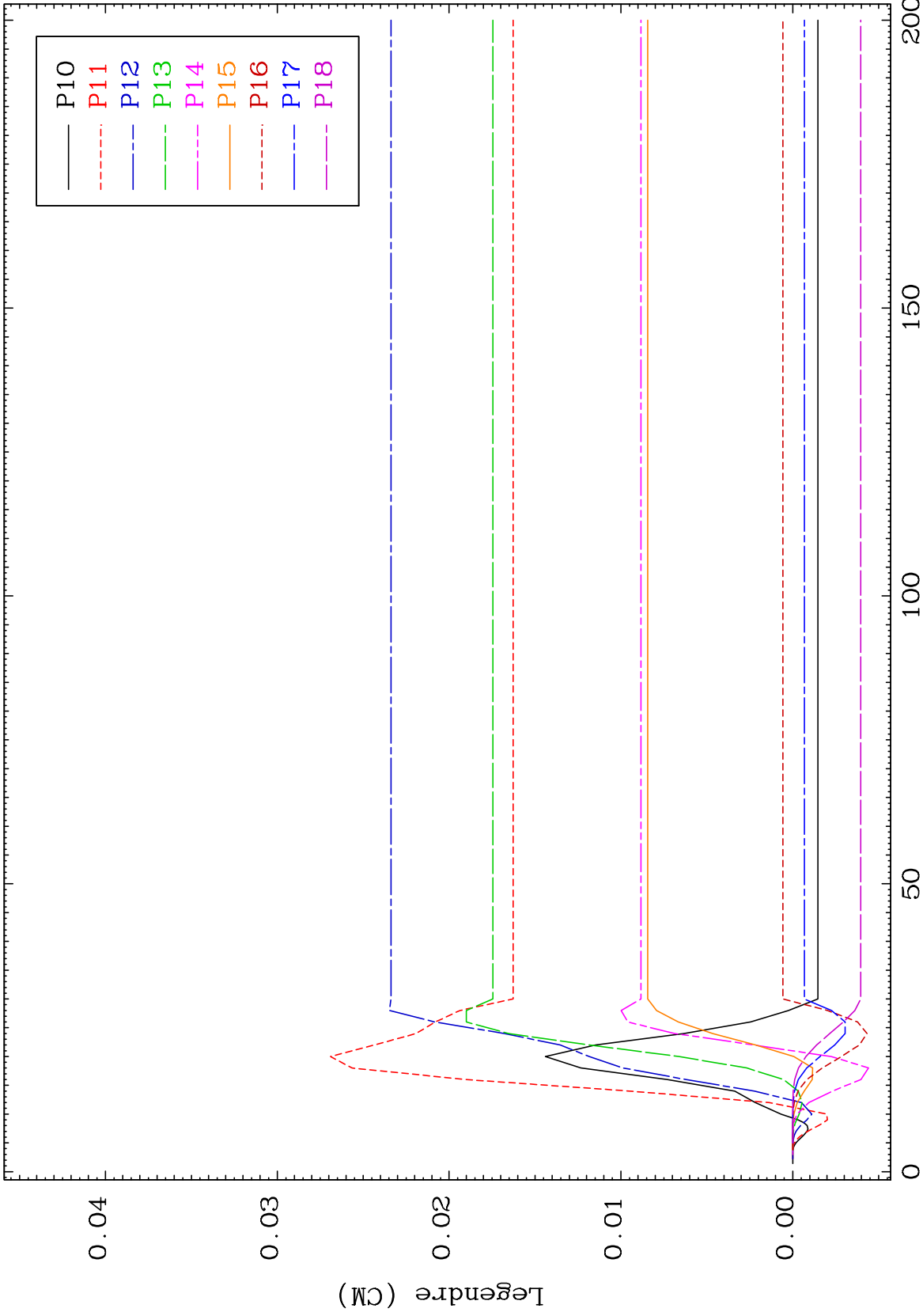
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



73

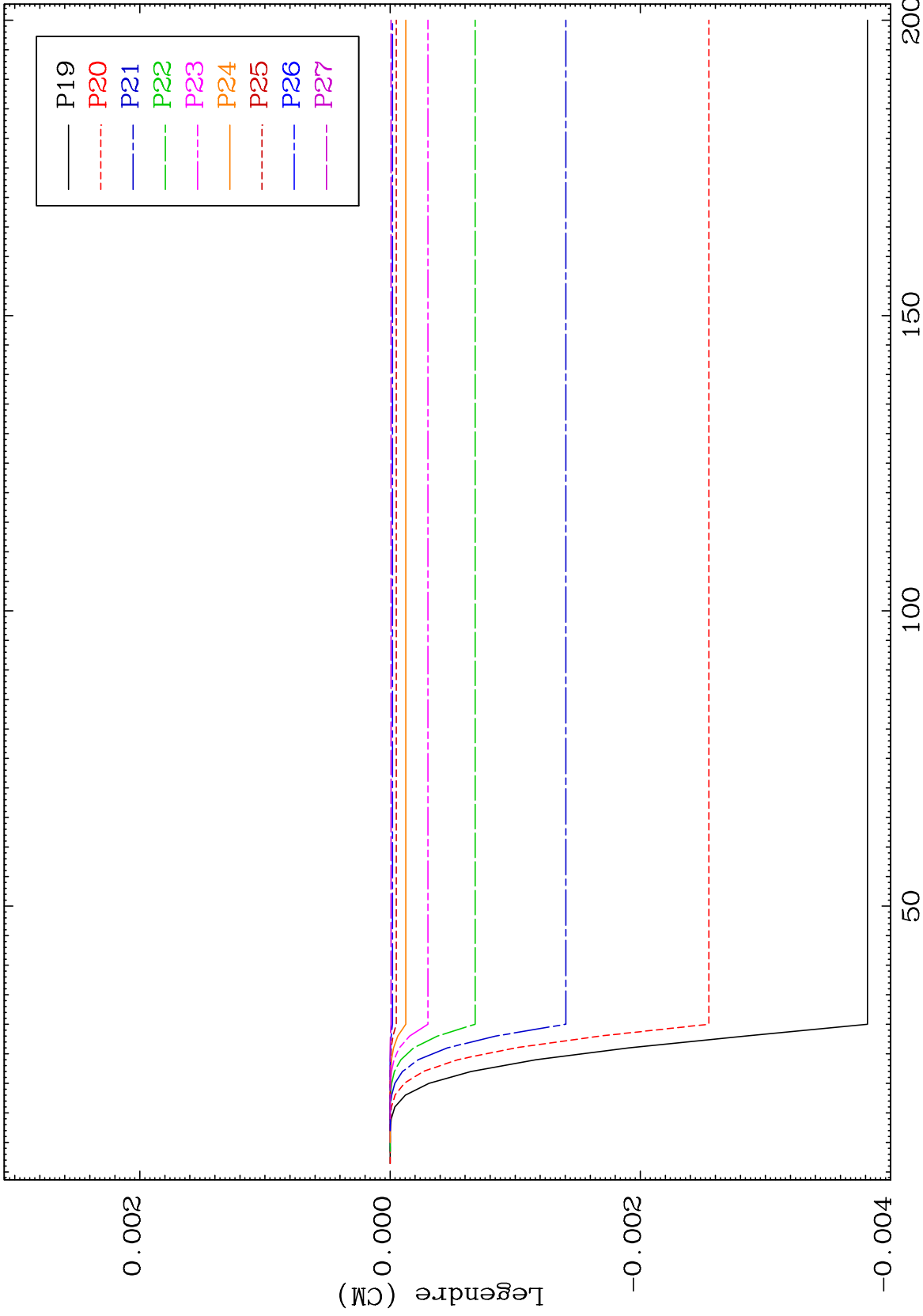
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



74

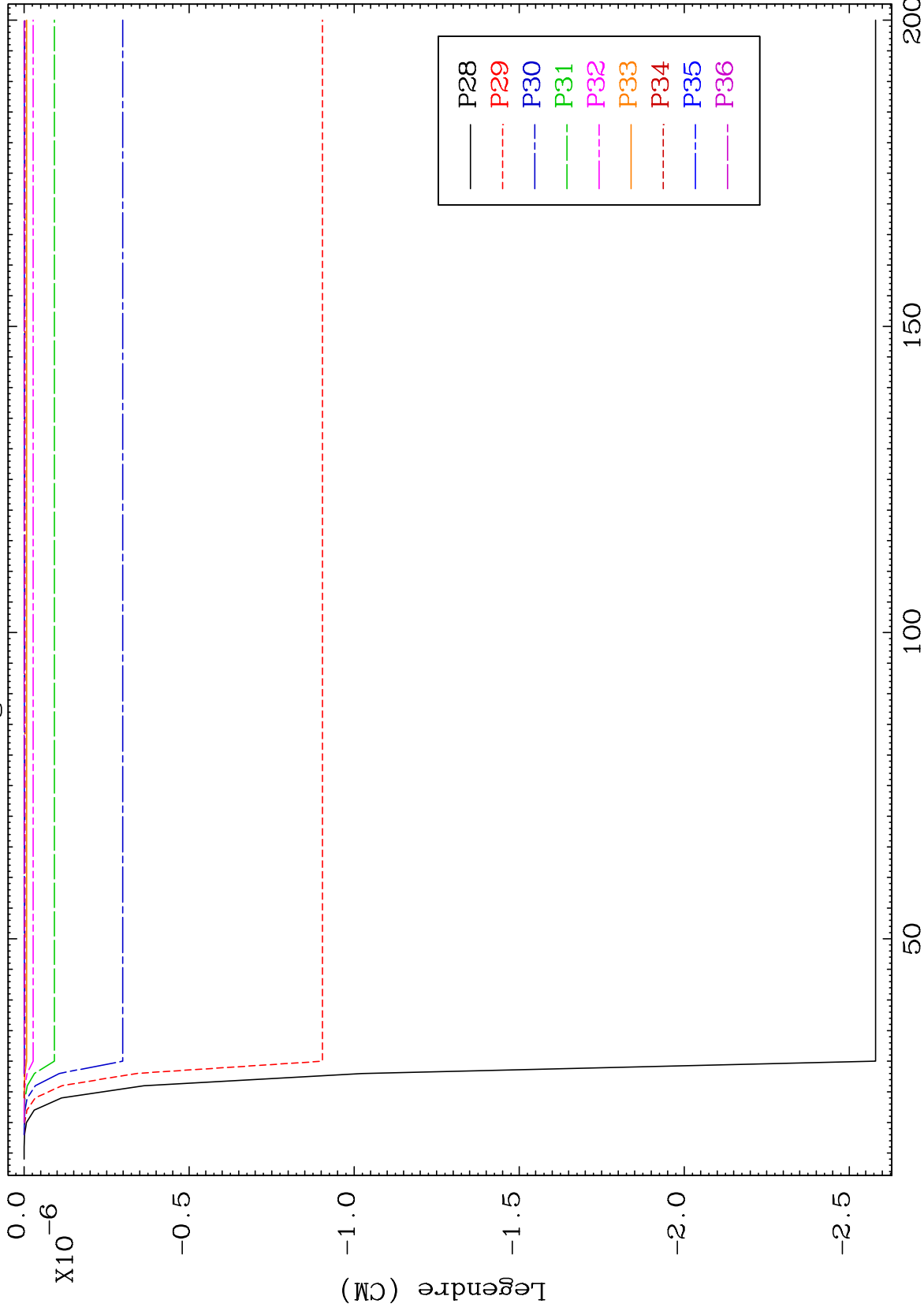
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125

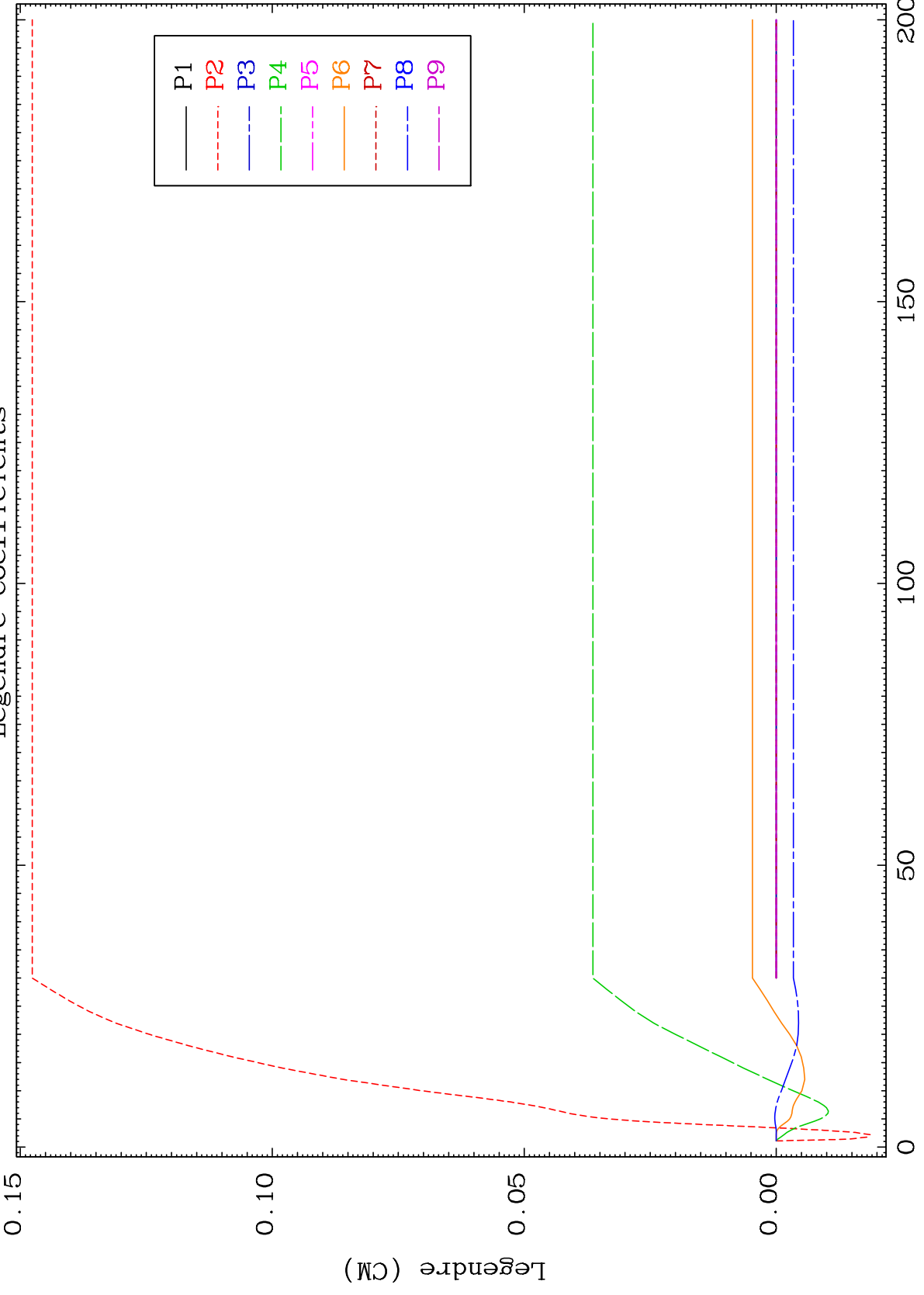


75

Incident Energy (MeV)

53-I -125

MAT 5319 MT= 66 (n,n') Level Legendre Coefficients 53-I -125

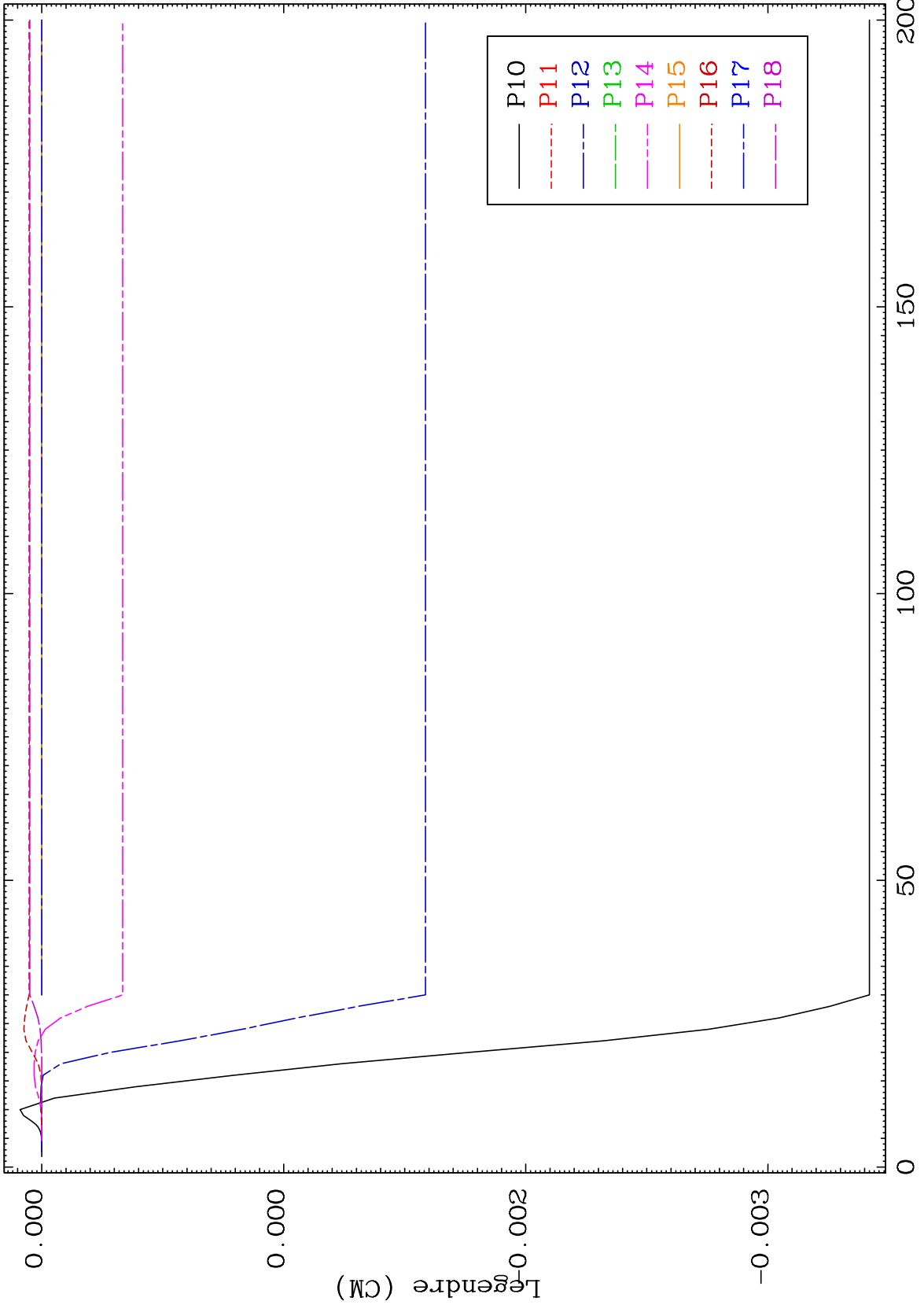


76 53-I -125

MAT 5319

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

53-I -125



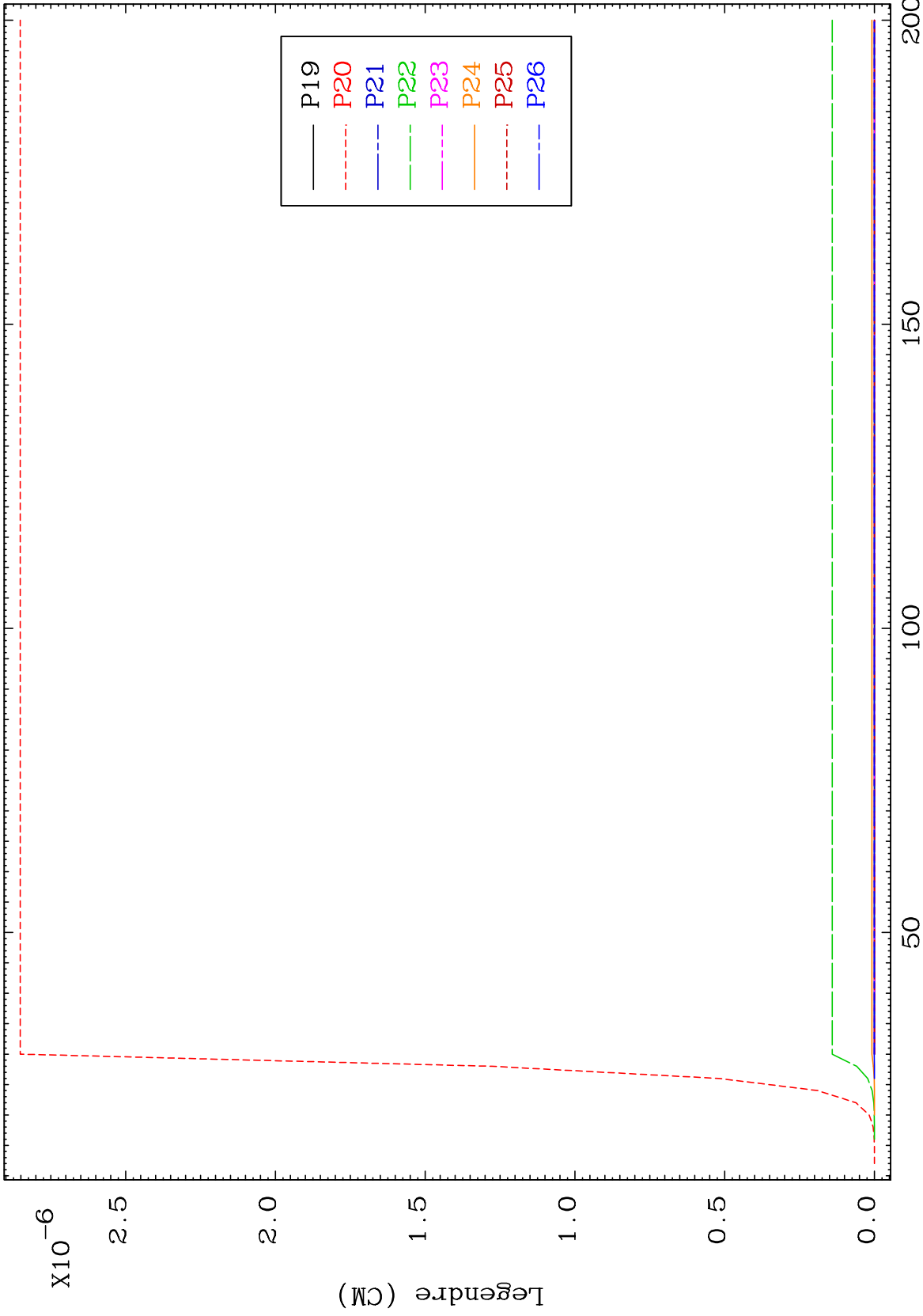
77

53-I -125

MAT 5319

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

53-I -125



78

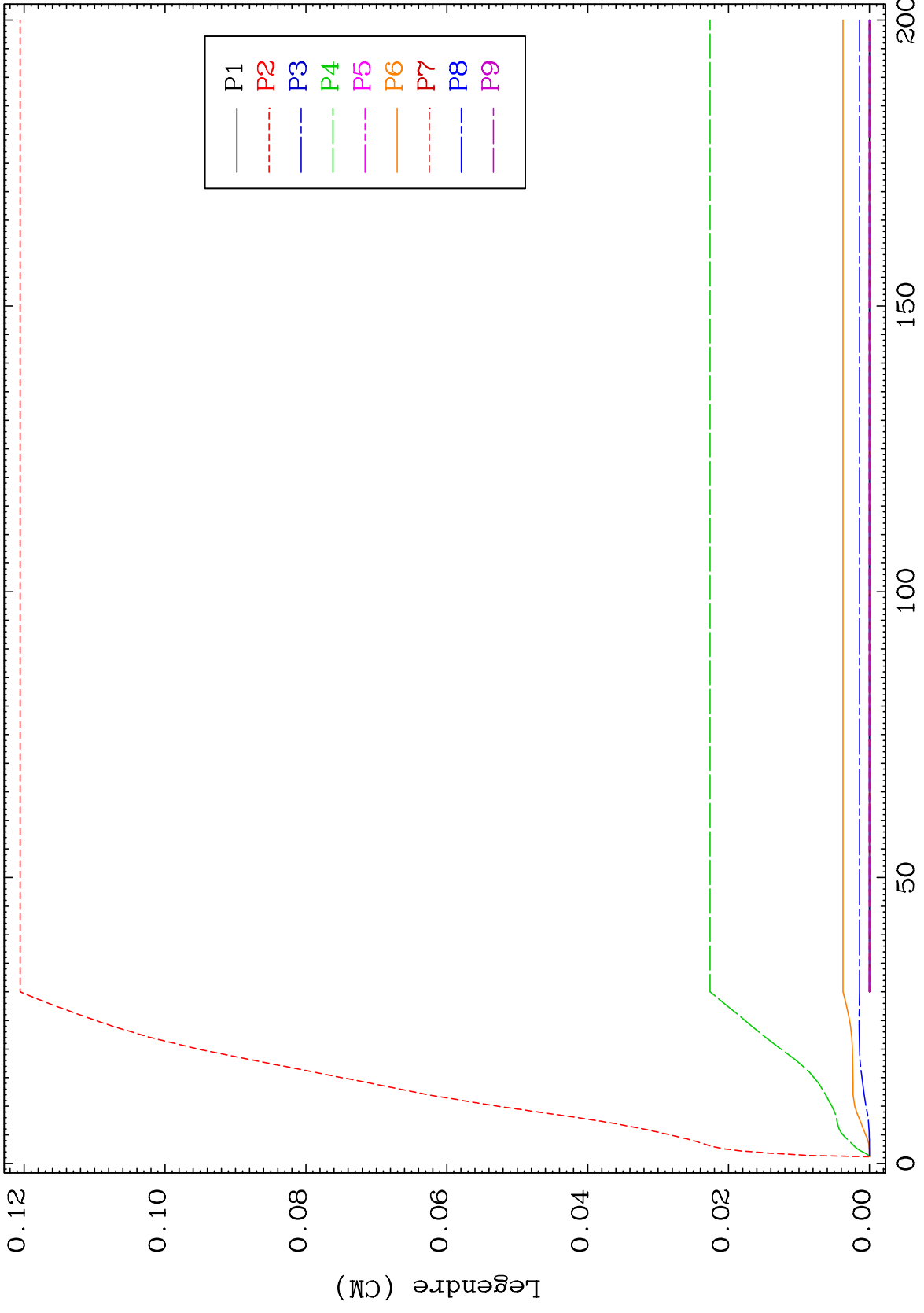
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



79

Incident Energy (MeV)

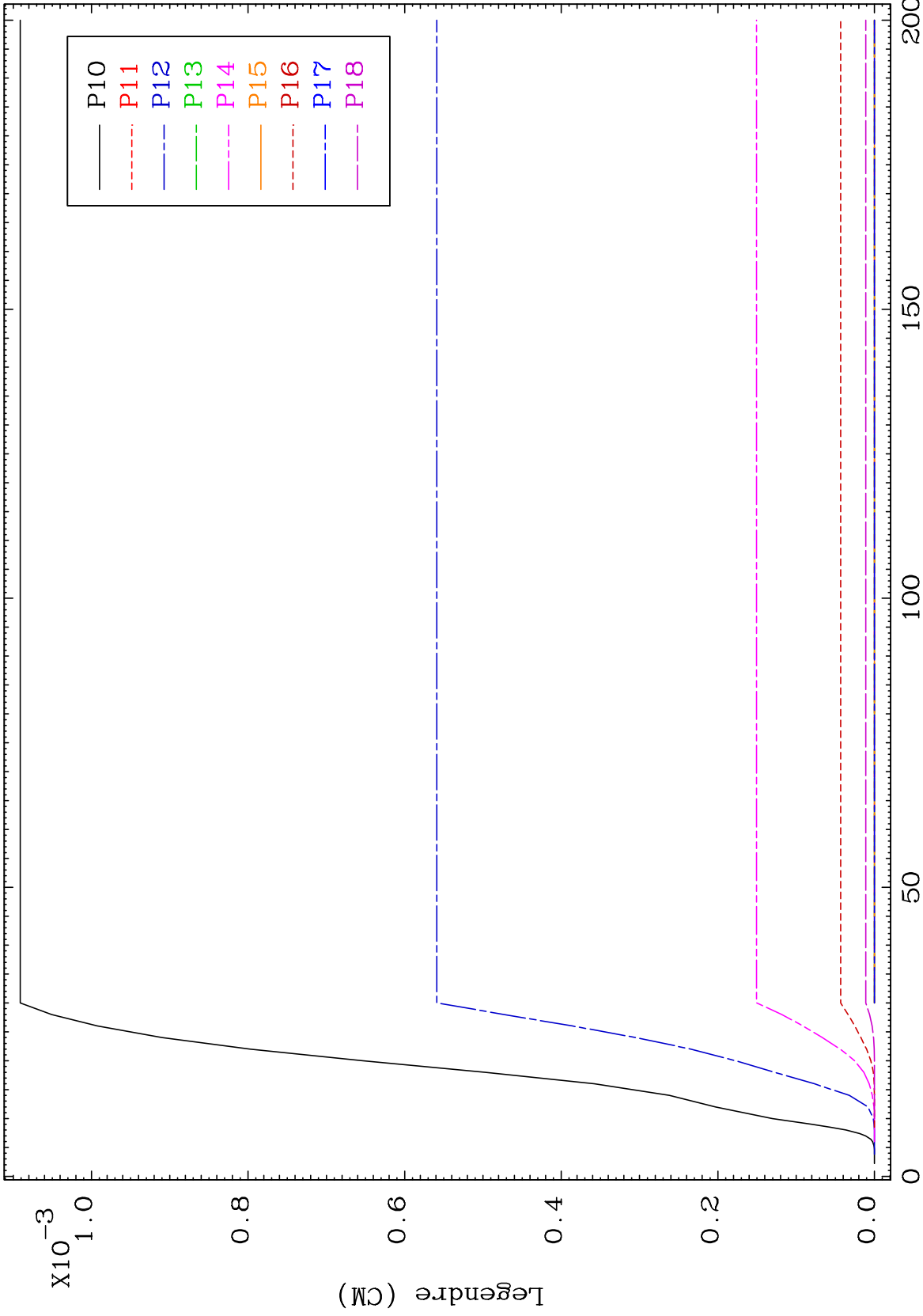
53-I -125



MAT 5319

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

53-I -125



80

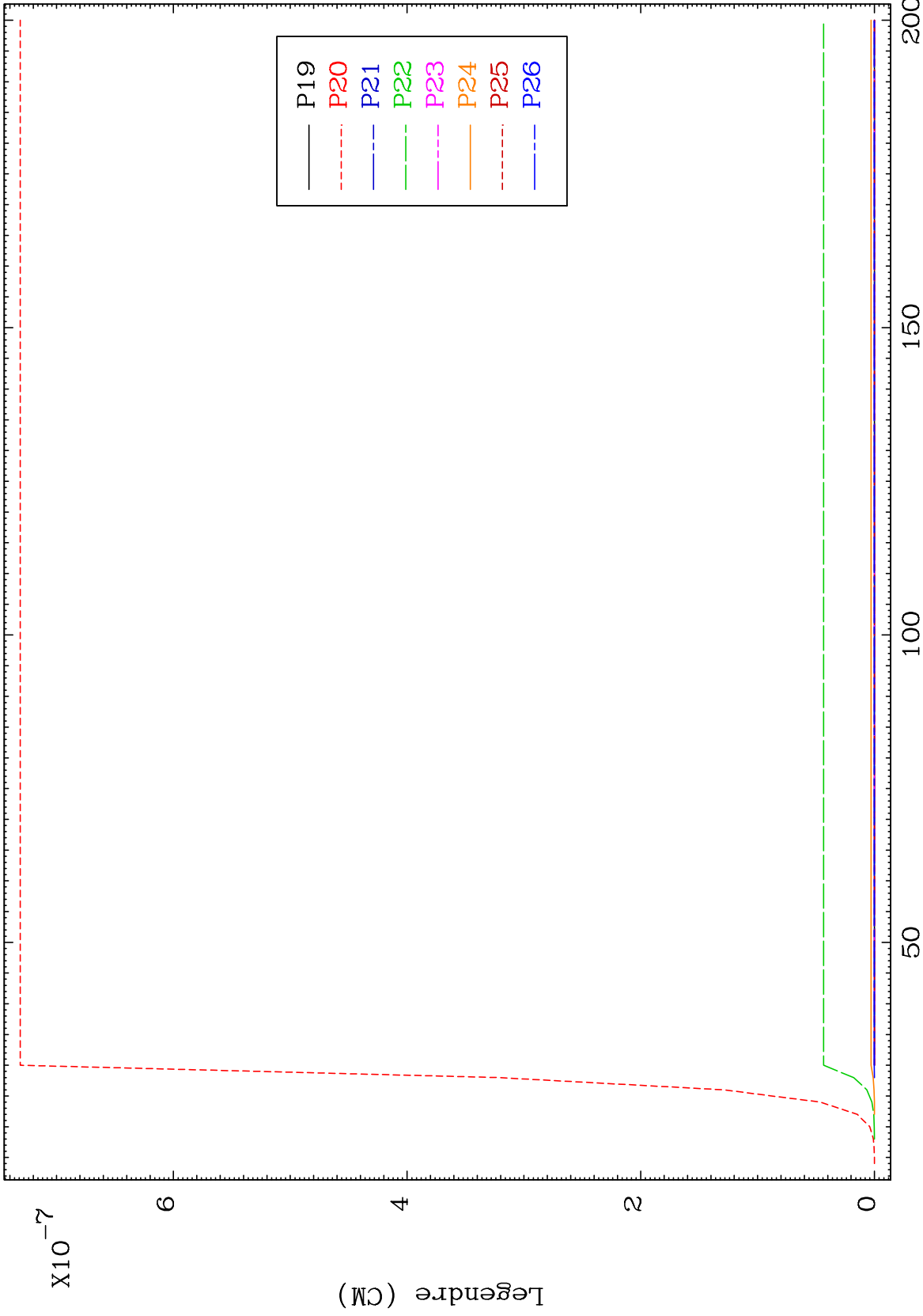
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



81

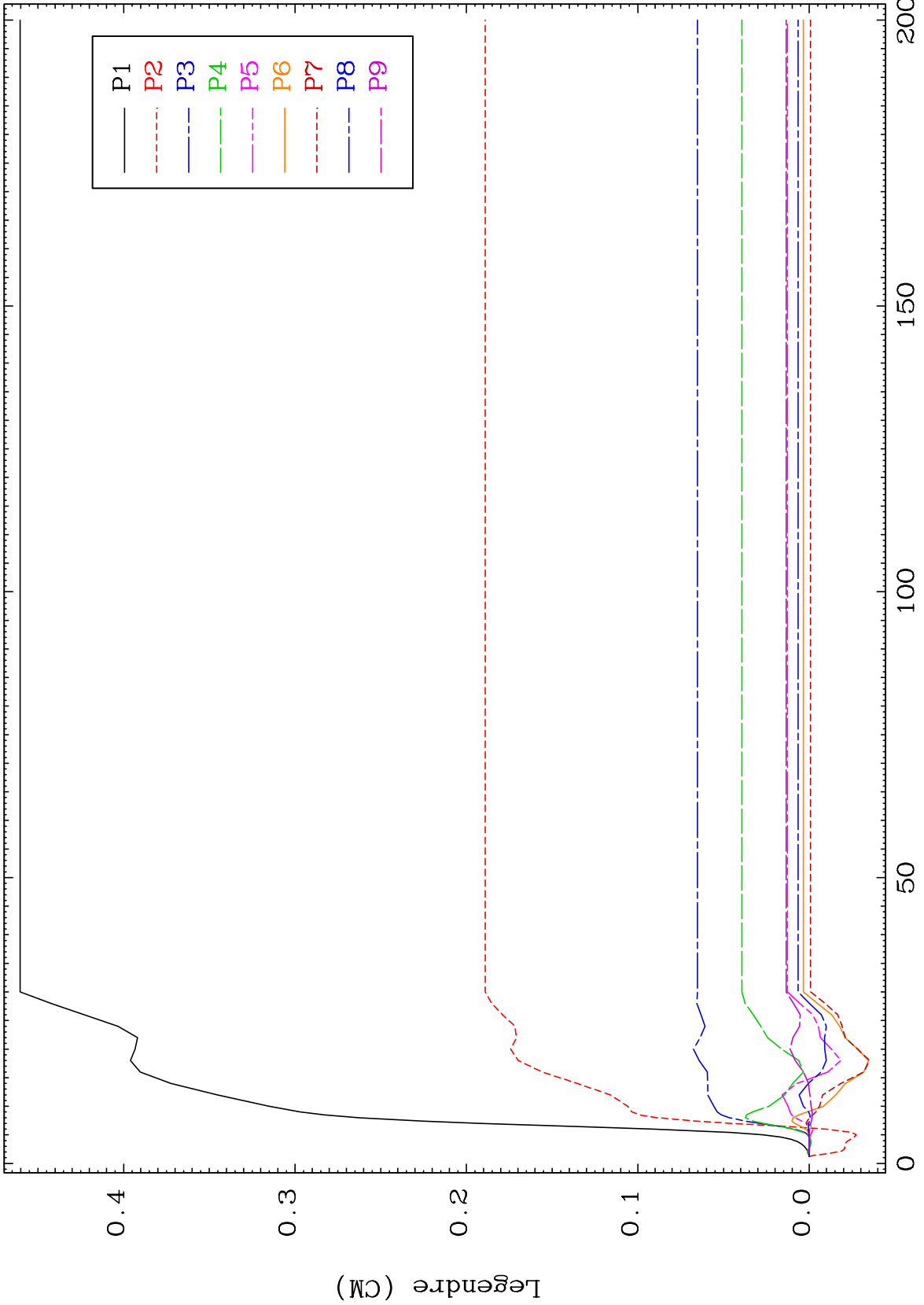
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



82

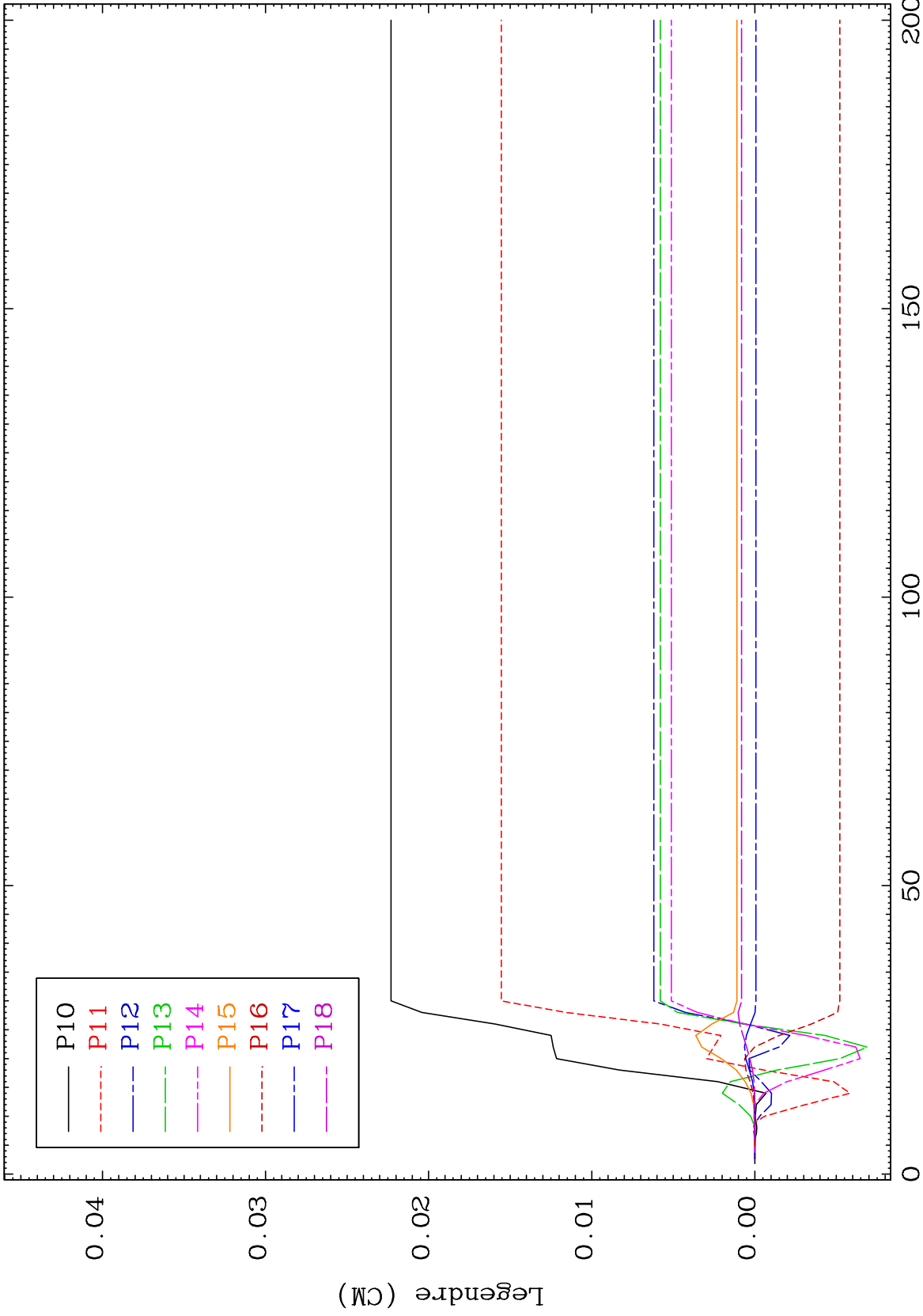
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



83

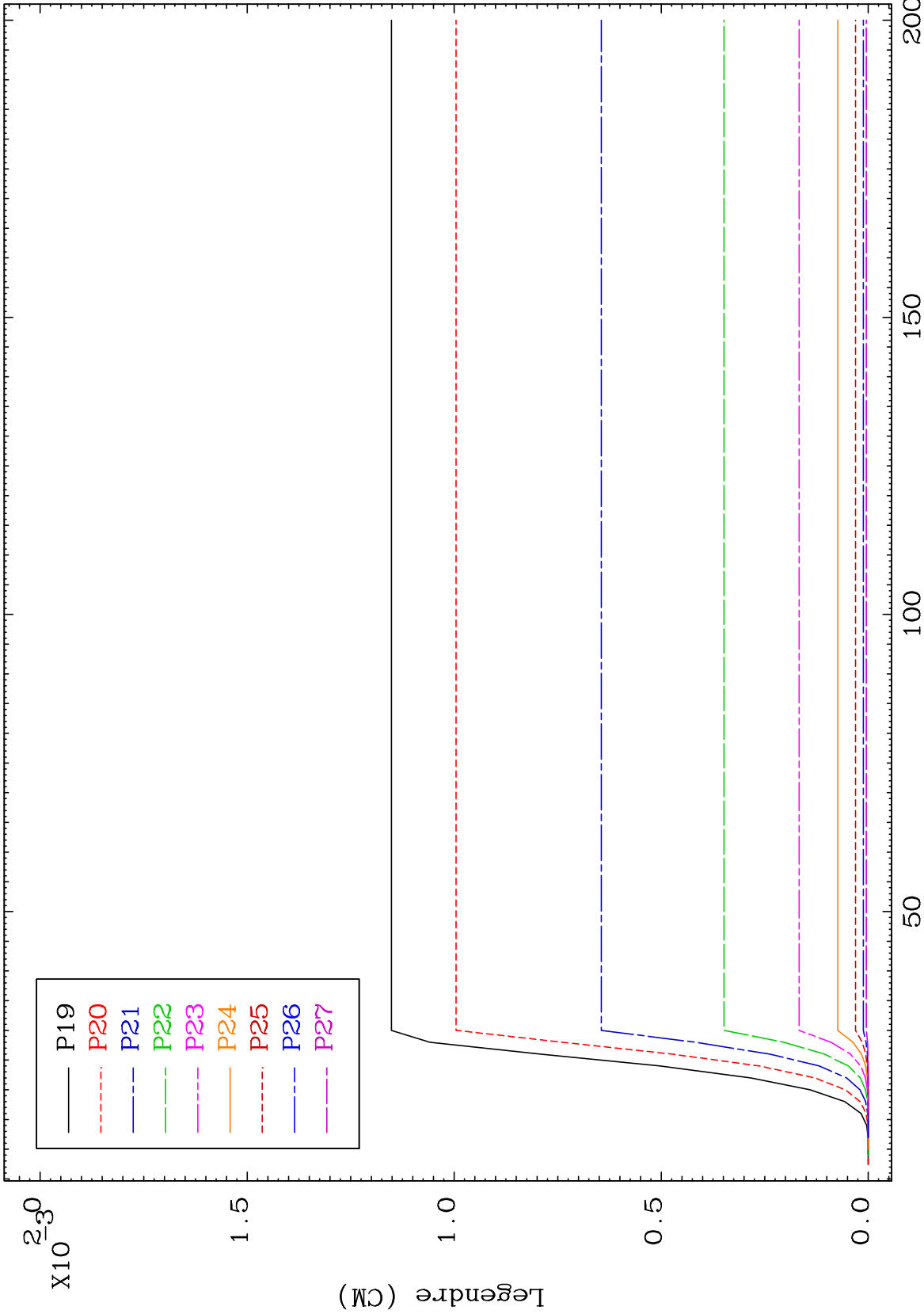
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



84

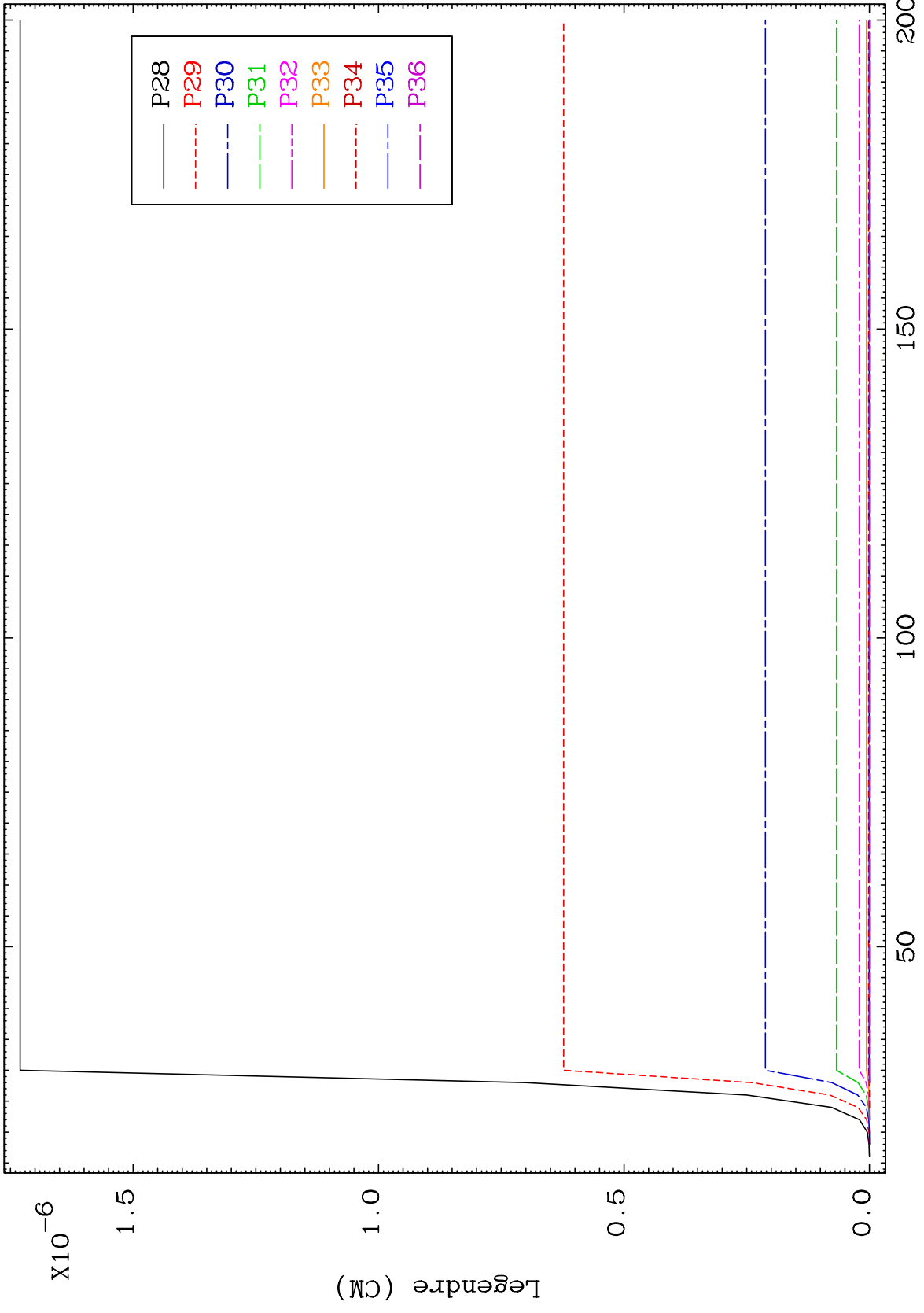
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



85

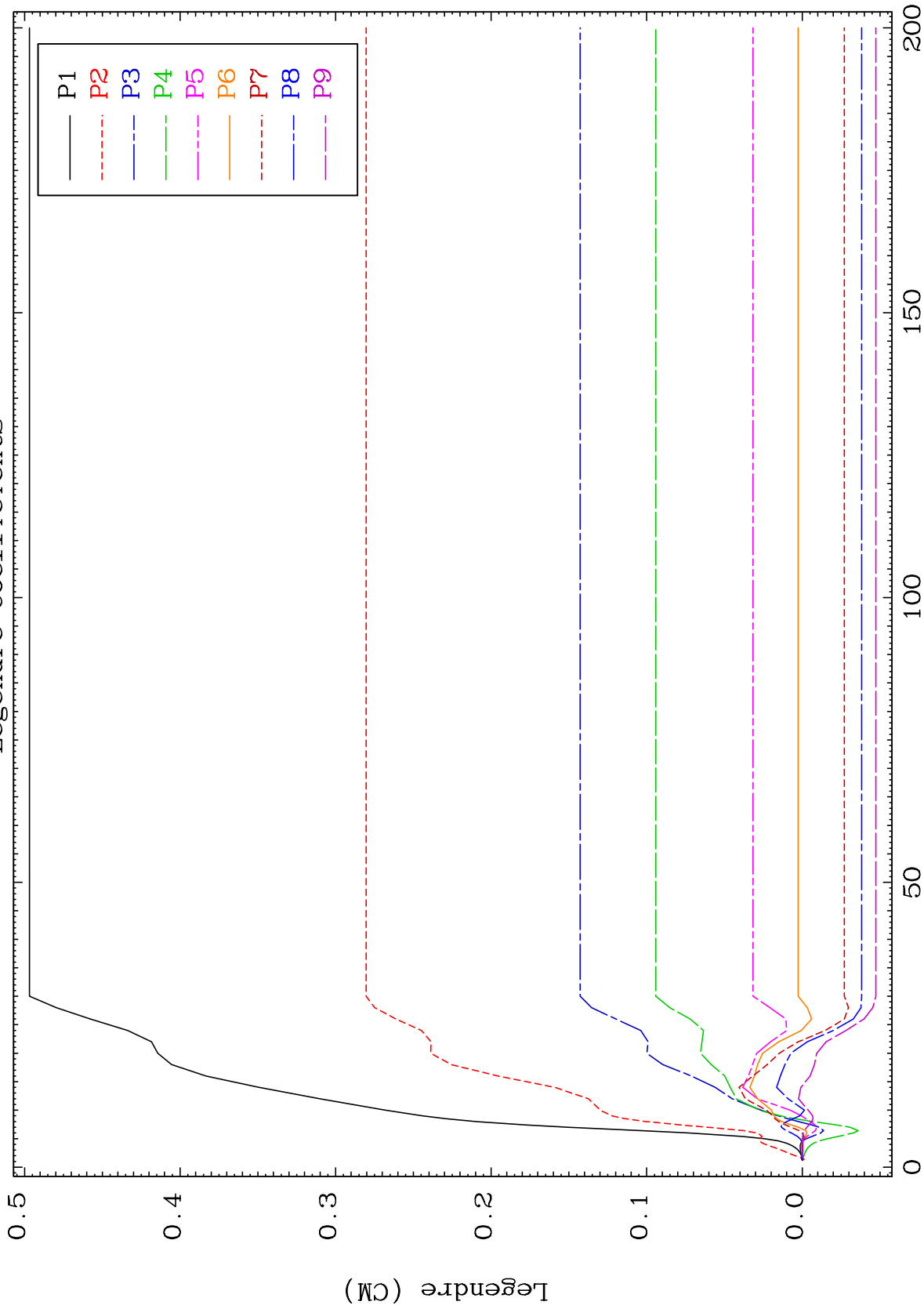
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



86

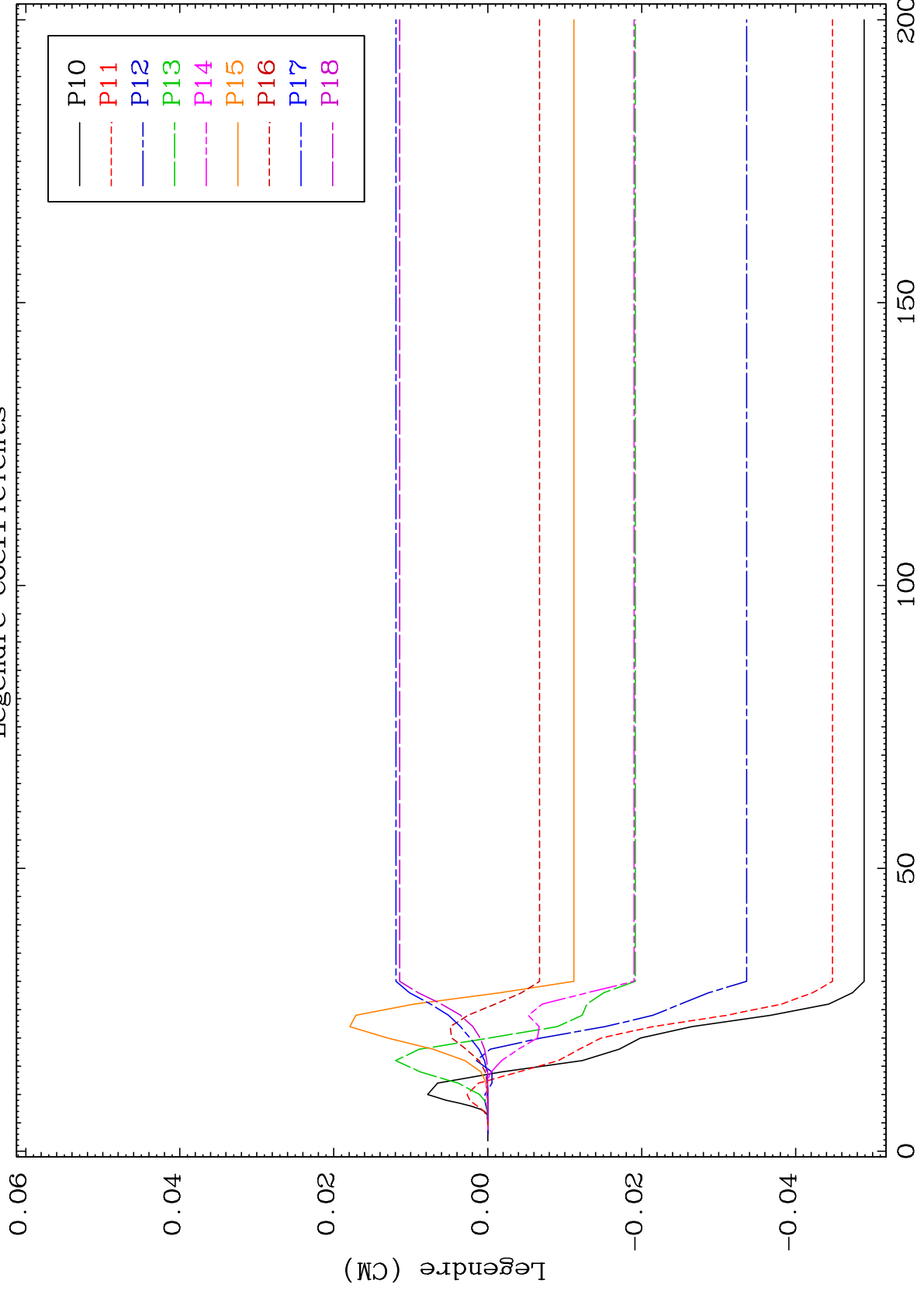
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125

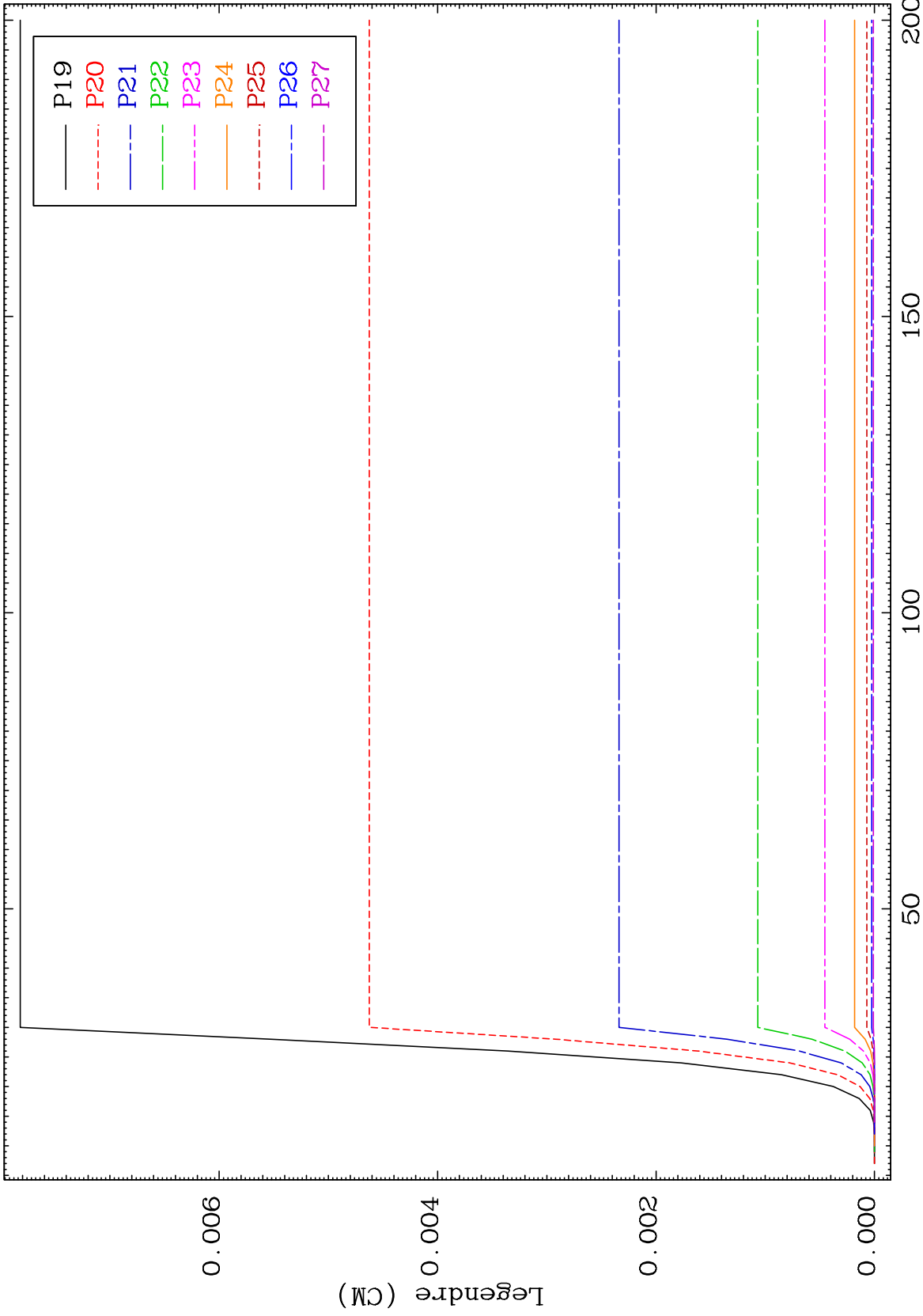


87

Incident Energy (MeV)

53-I -125

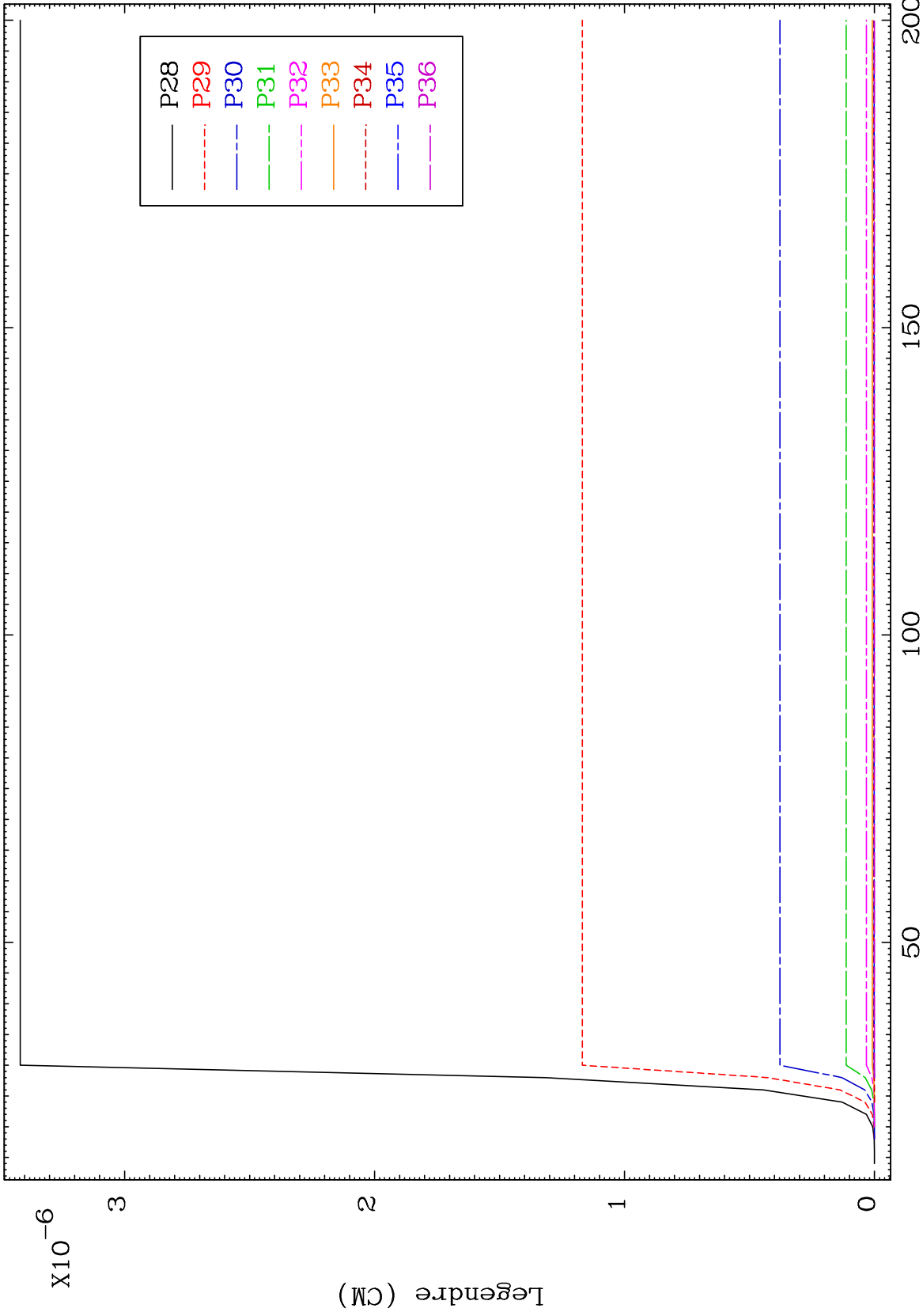




MAT 5319

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

53-I -125



89

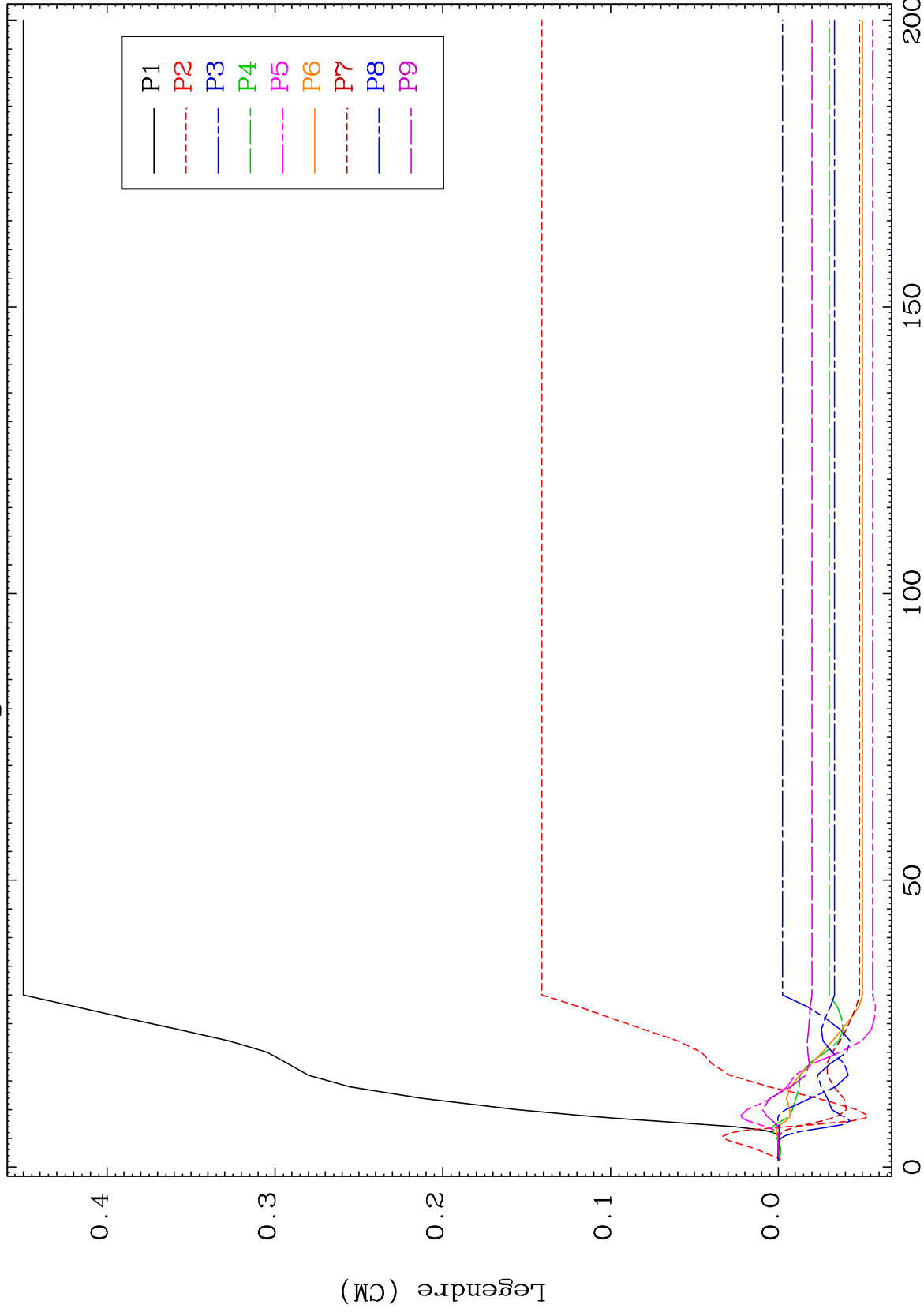
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



90

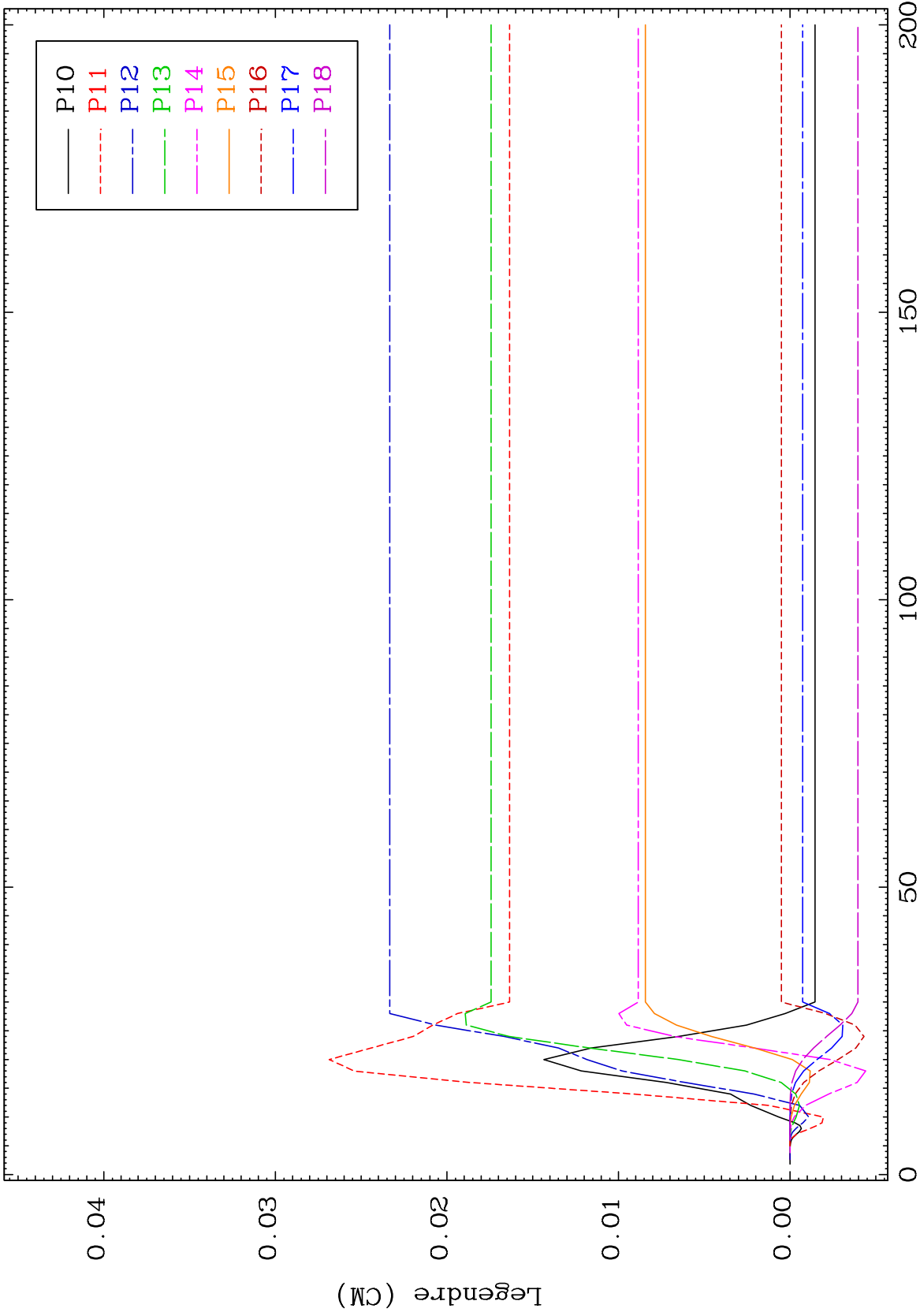
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



91

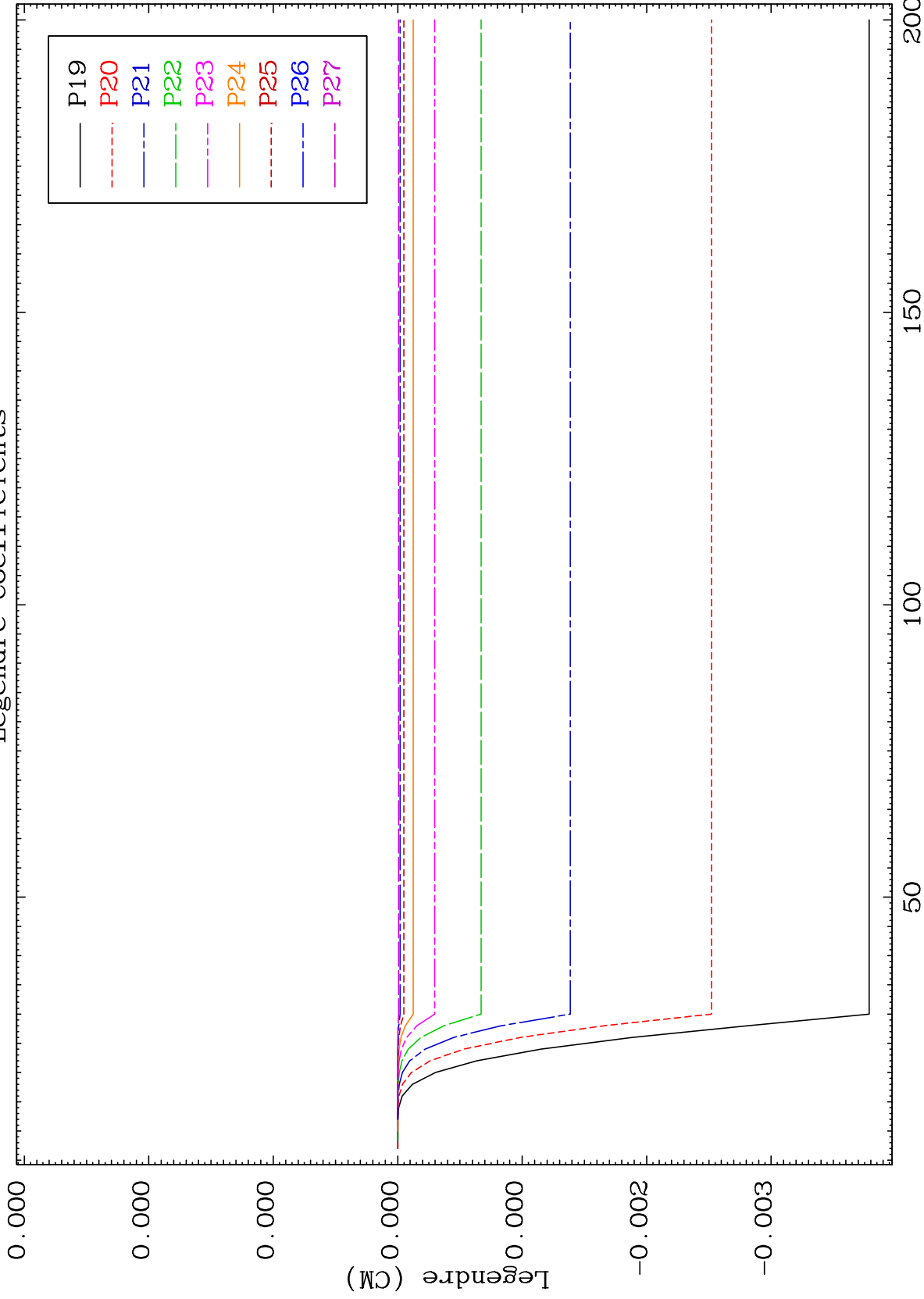
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



92

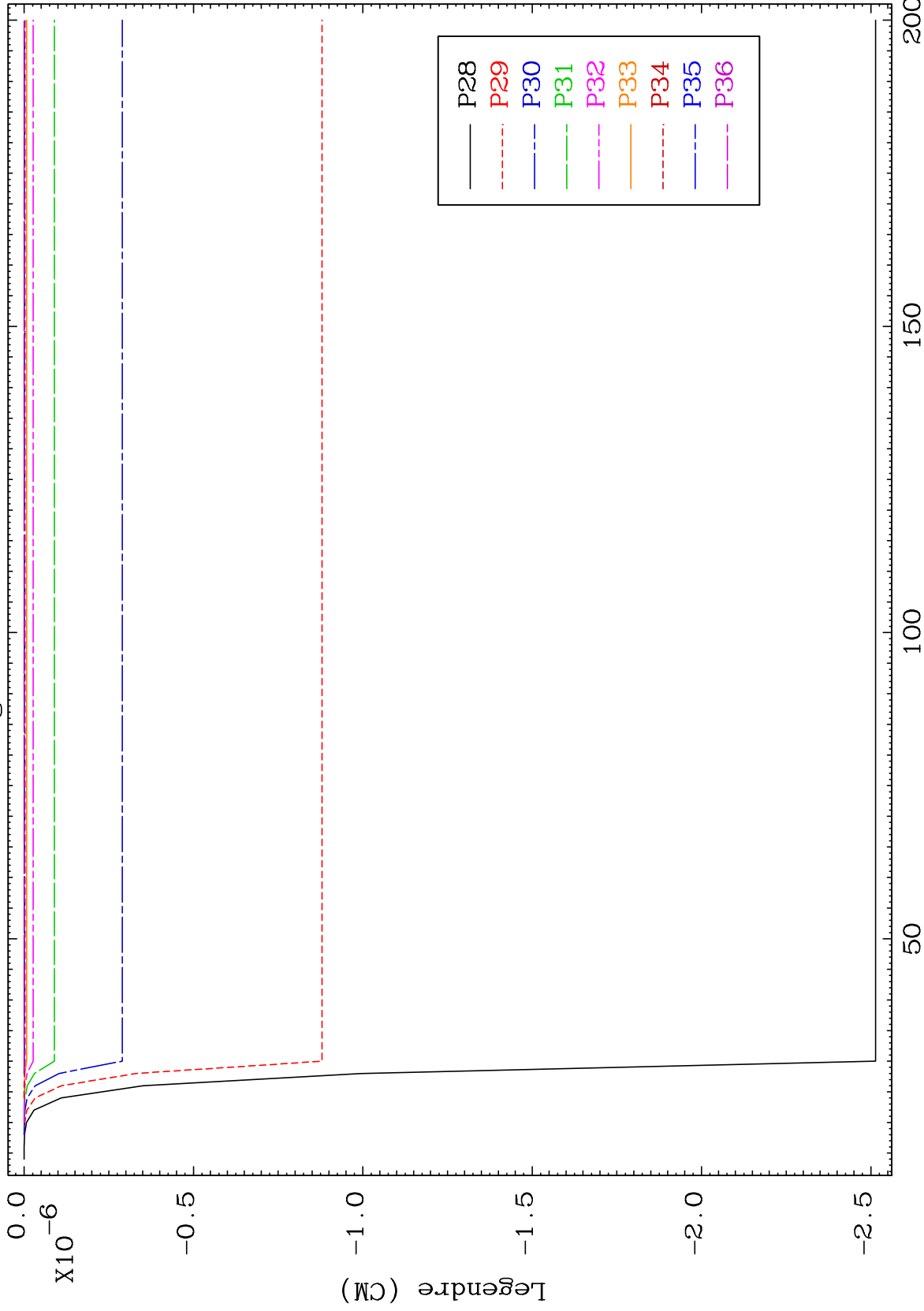
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



93

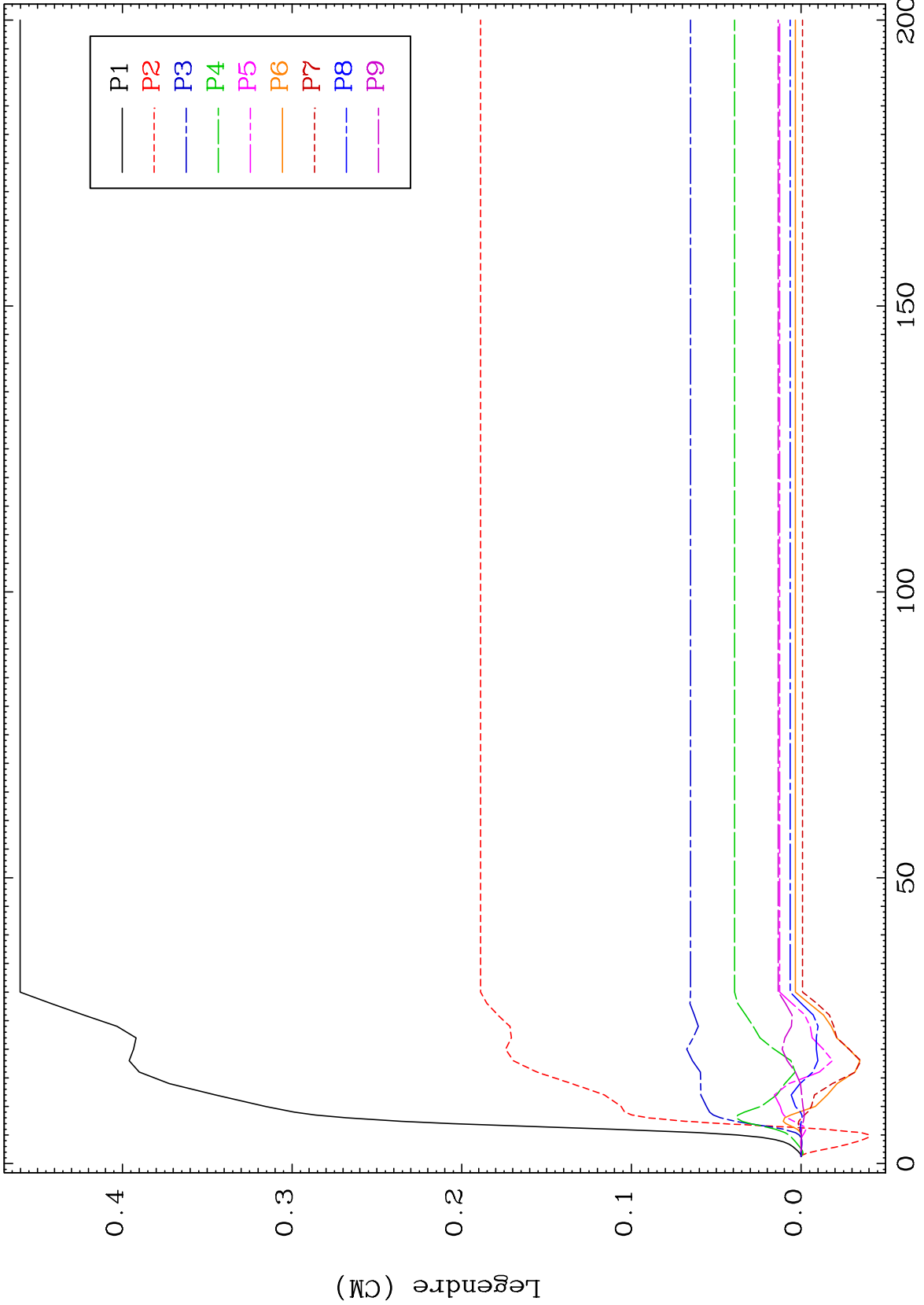
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



94

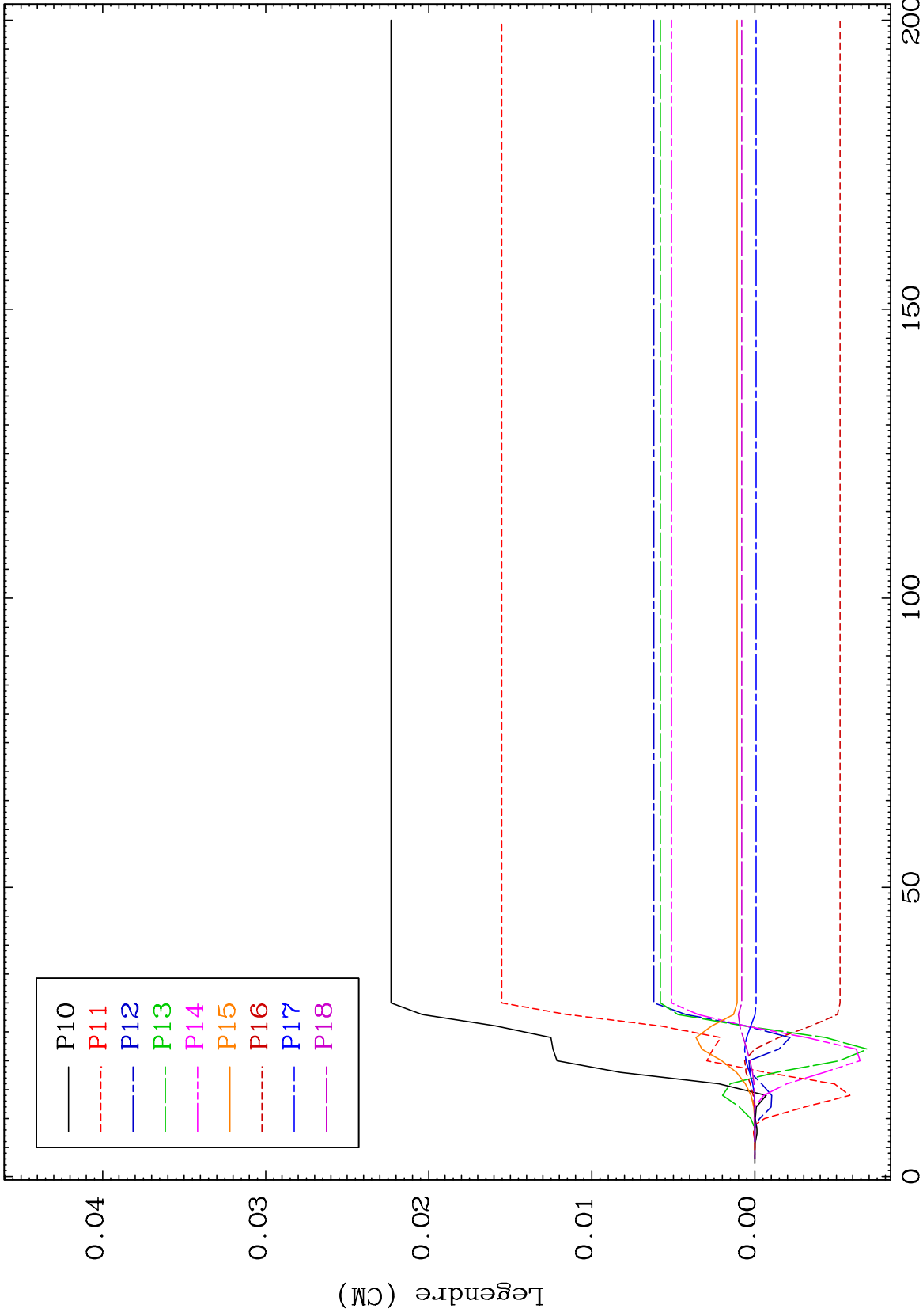
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



95

Incident Energy (MeV)

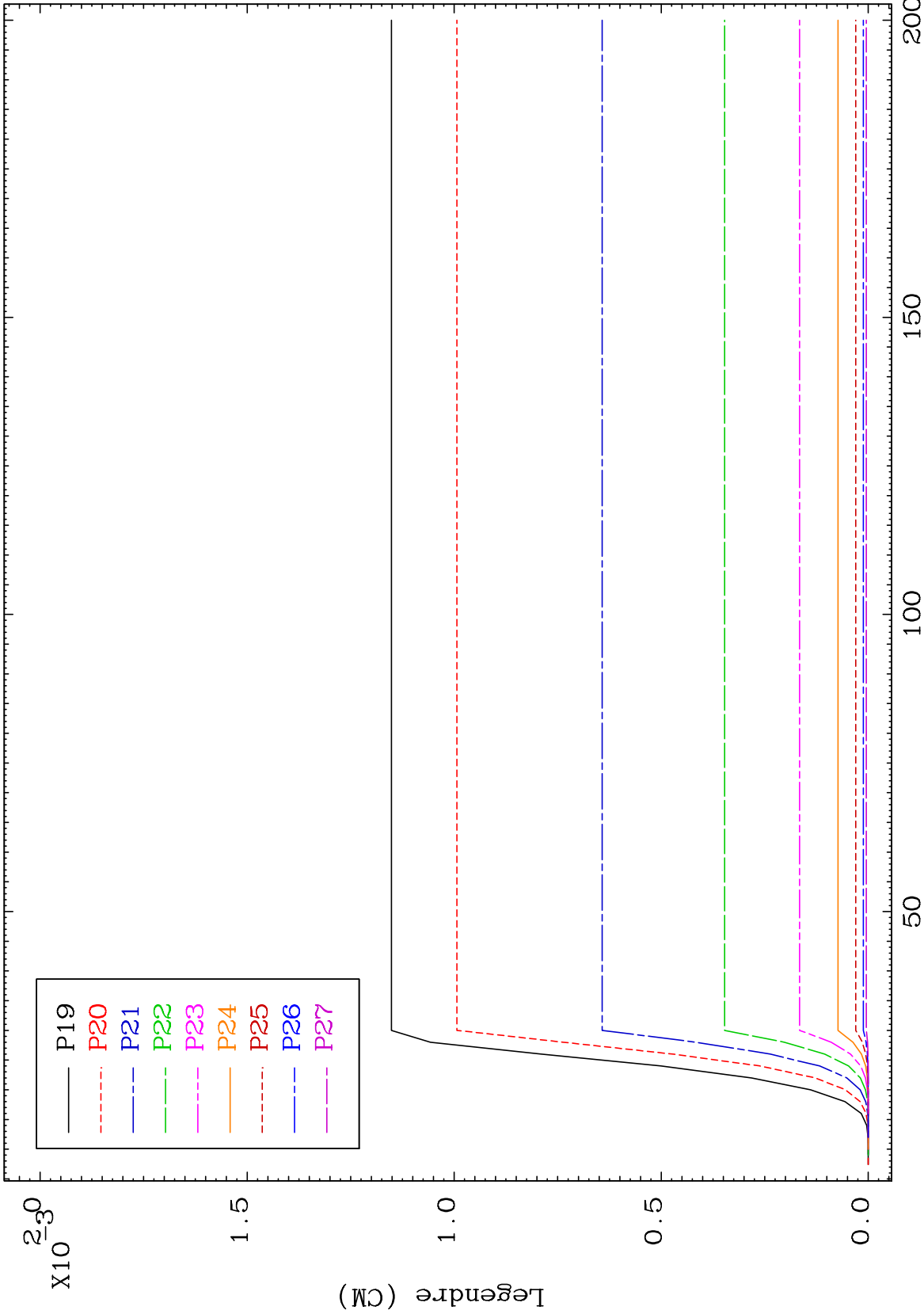
53-I -125



MAT 5319

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

53-I -125



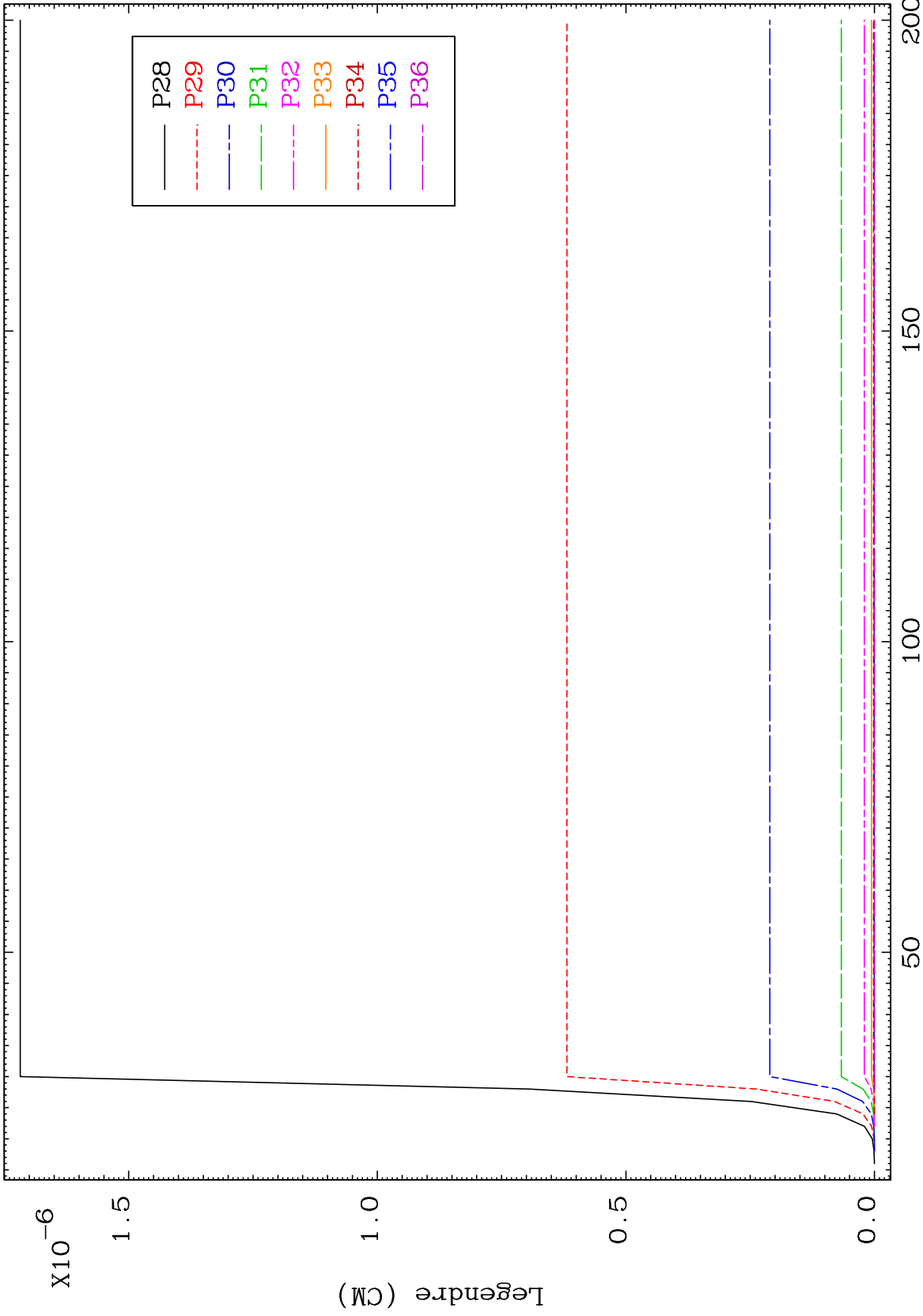
96

53-I -125

MAT 5319

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

53-I -125



97

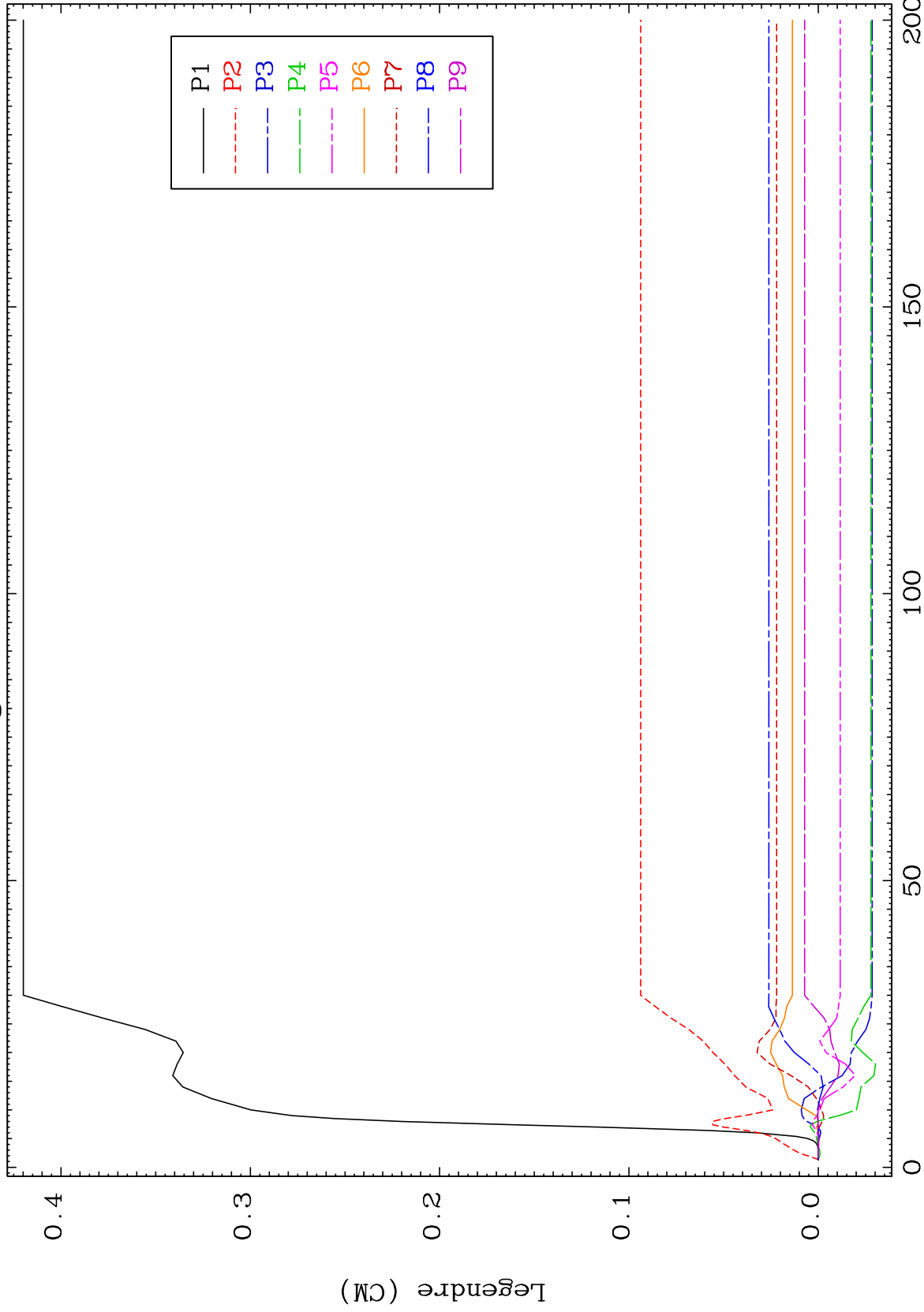
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



98

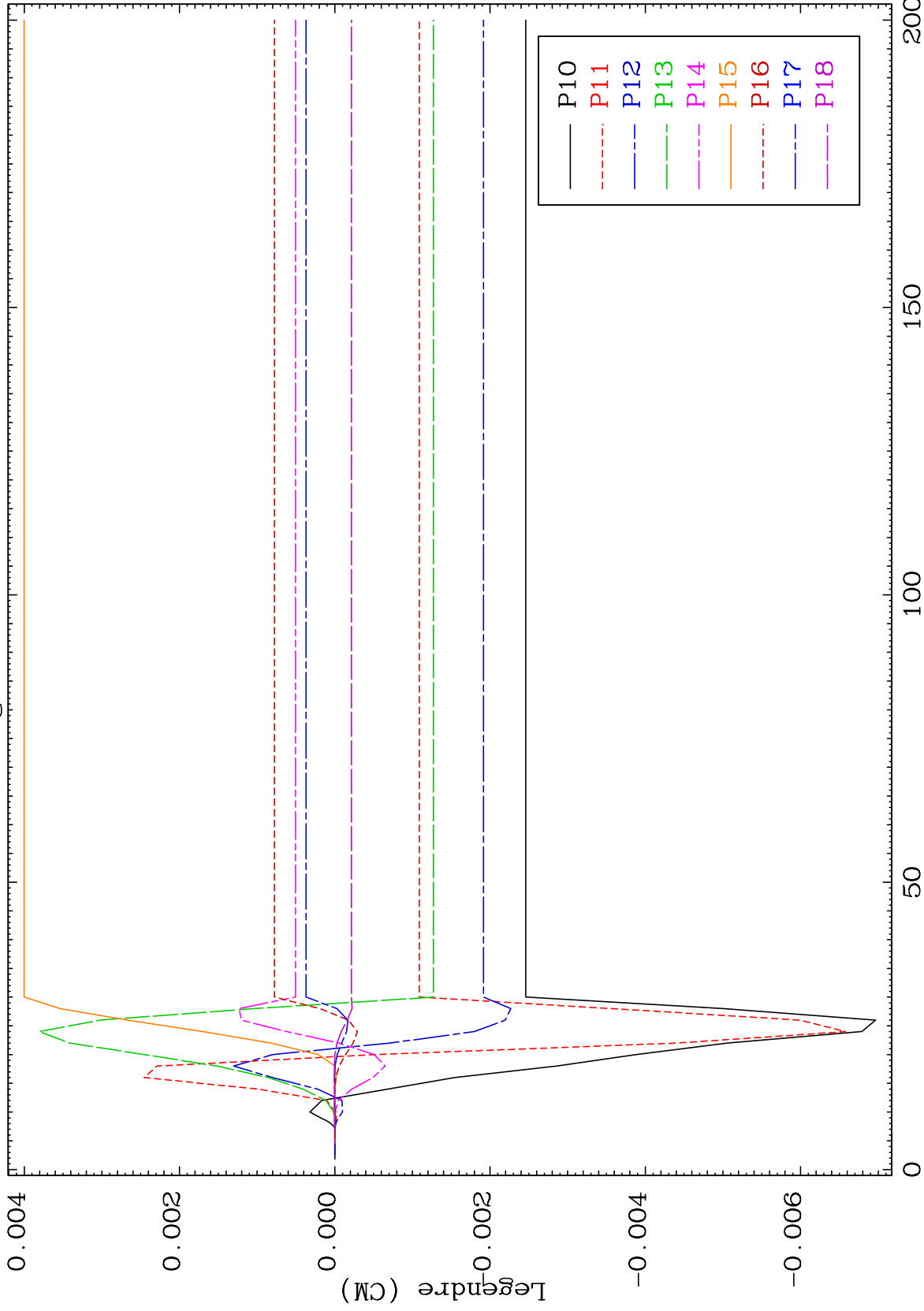
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125

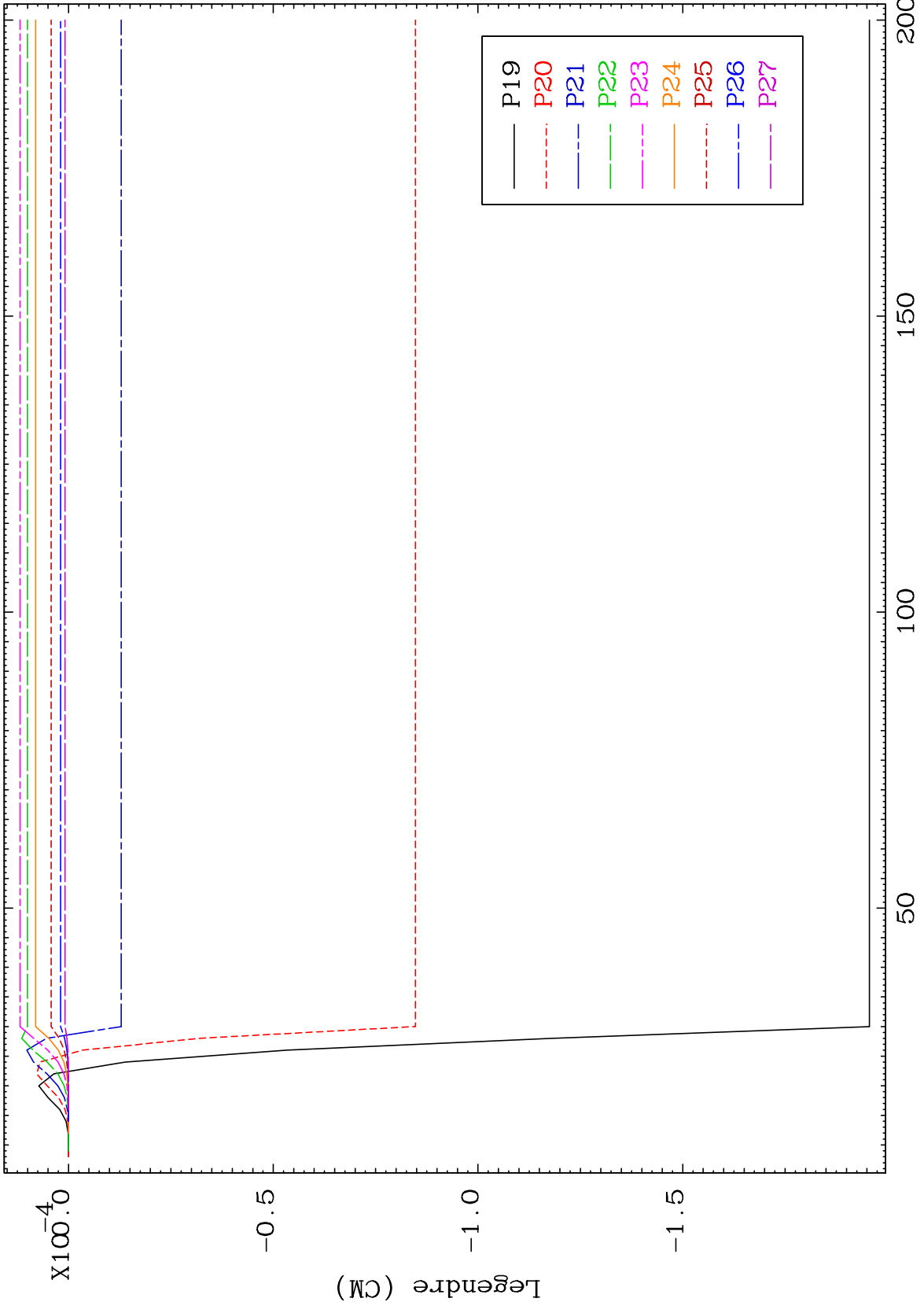


99

Incident Energy (MeV)

53-I -125

MAT 5319 MT= 72 (n,n') Level Legendre Coefficients 53-I -125

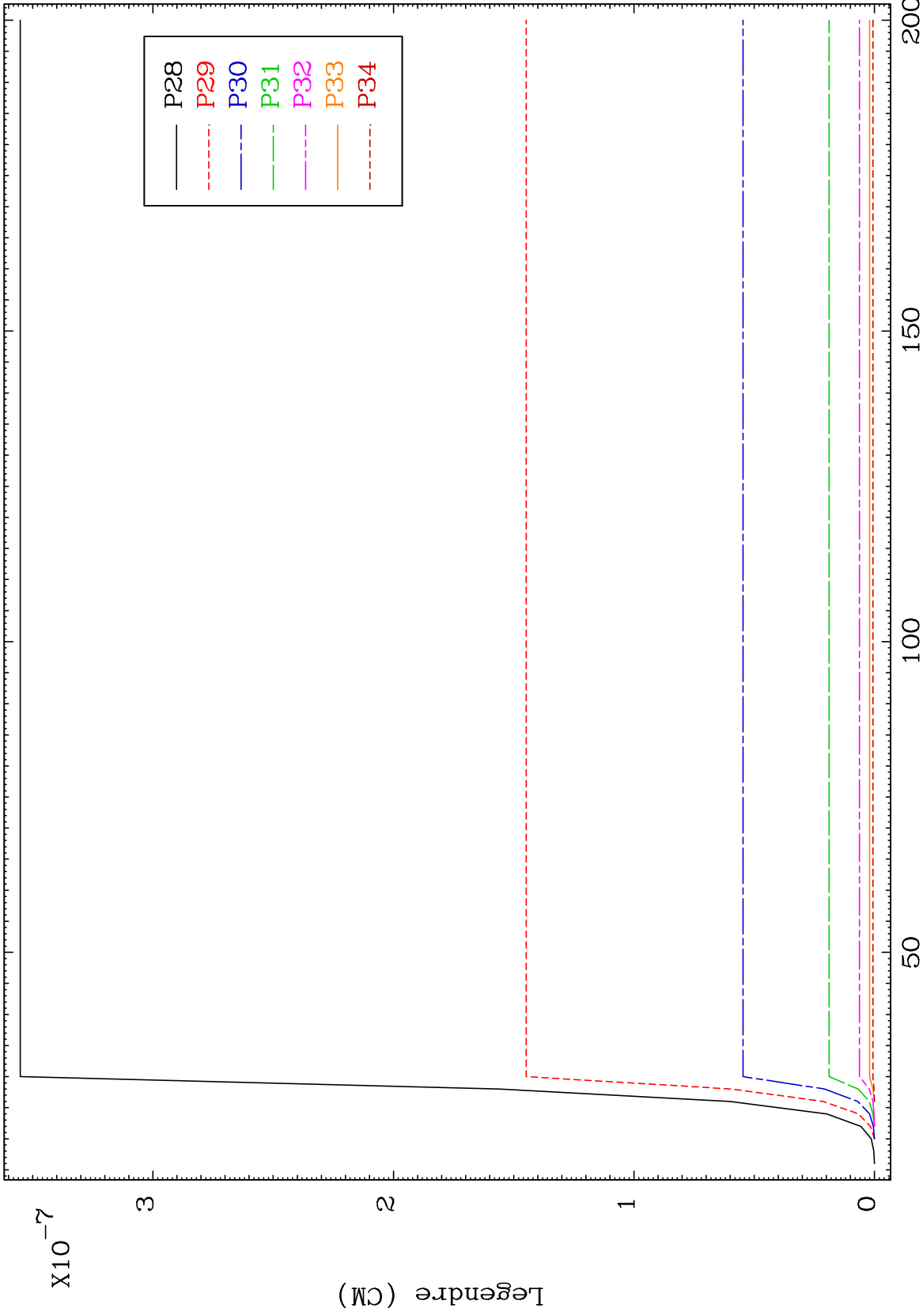


100 Incident Energy (MeV) 53-I -125

MAT 5319

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

53-I -125



101

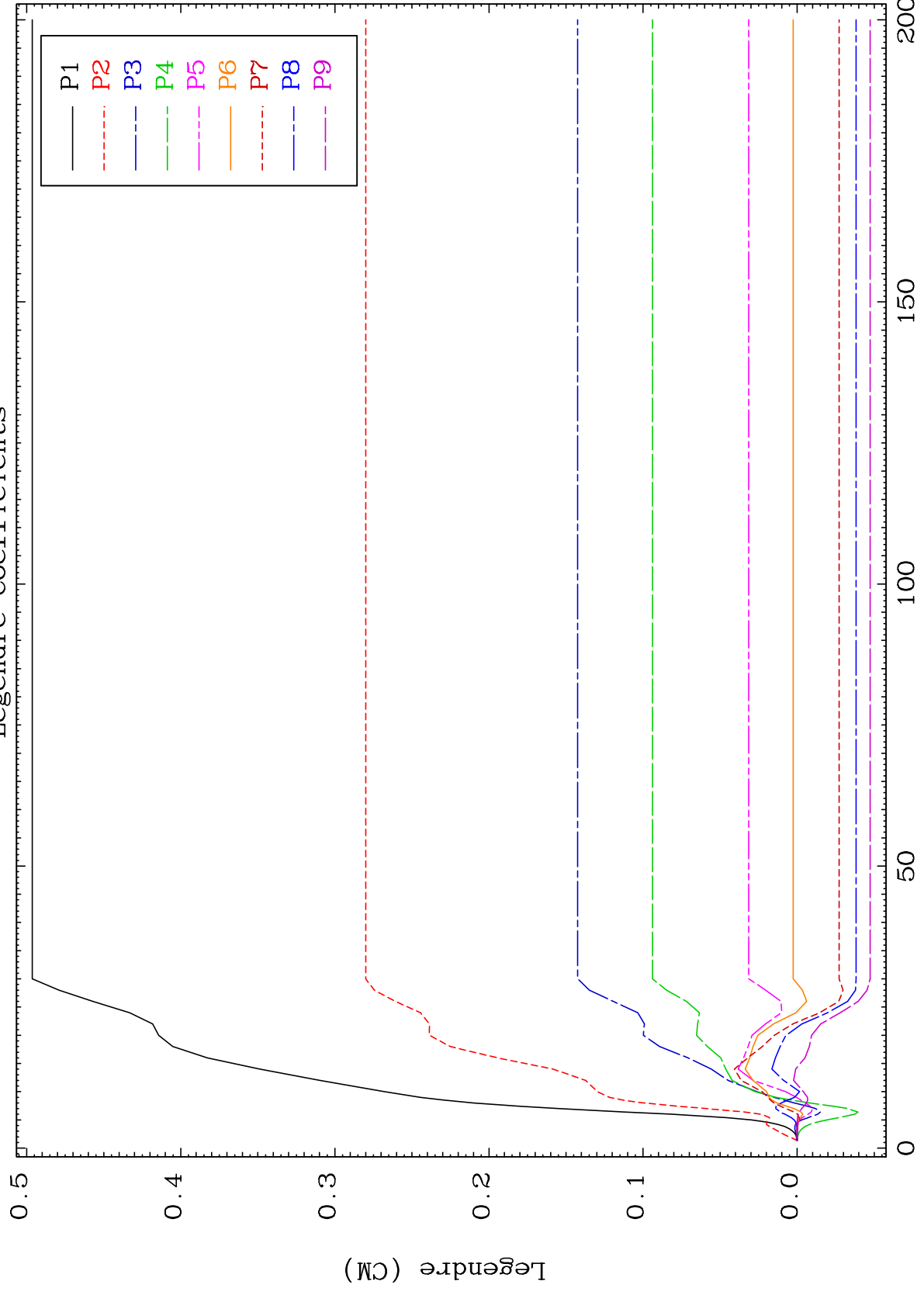
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



102

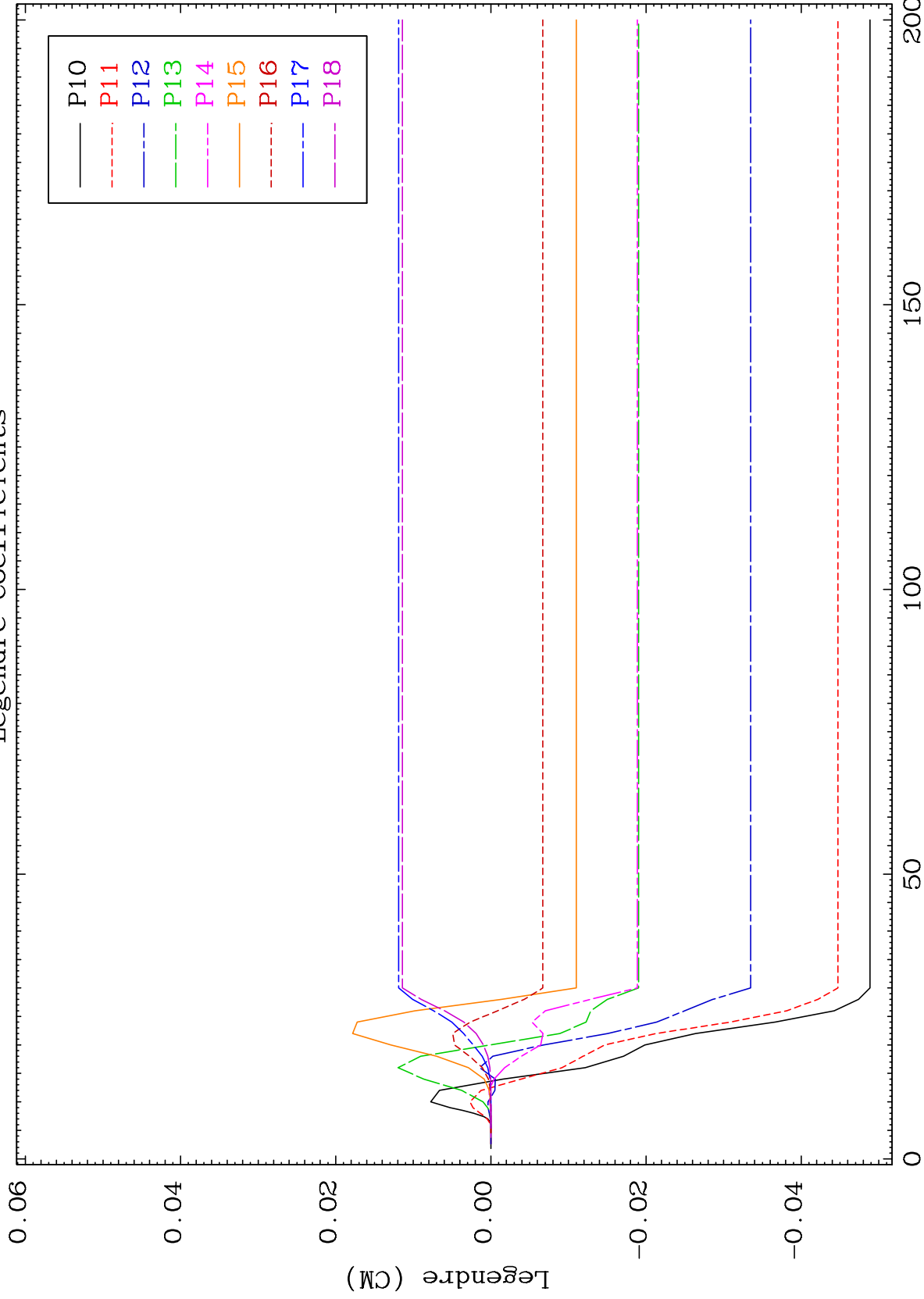
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



103

Incident Energy (MeV)

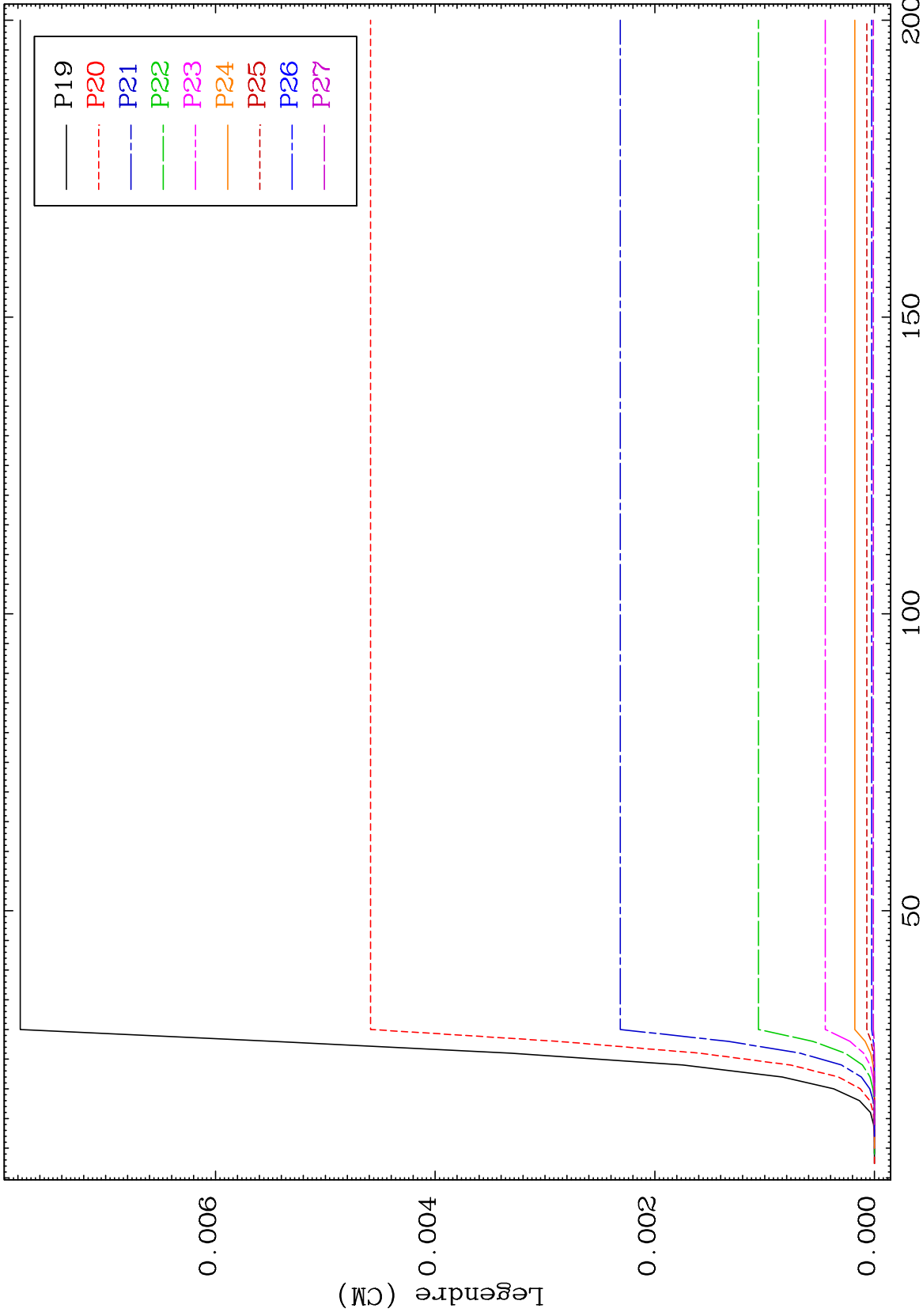
53-I -125



MAT 5319

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

53-I -125



104

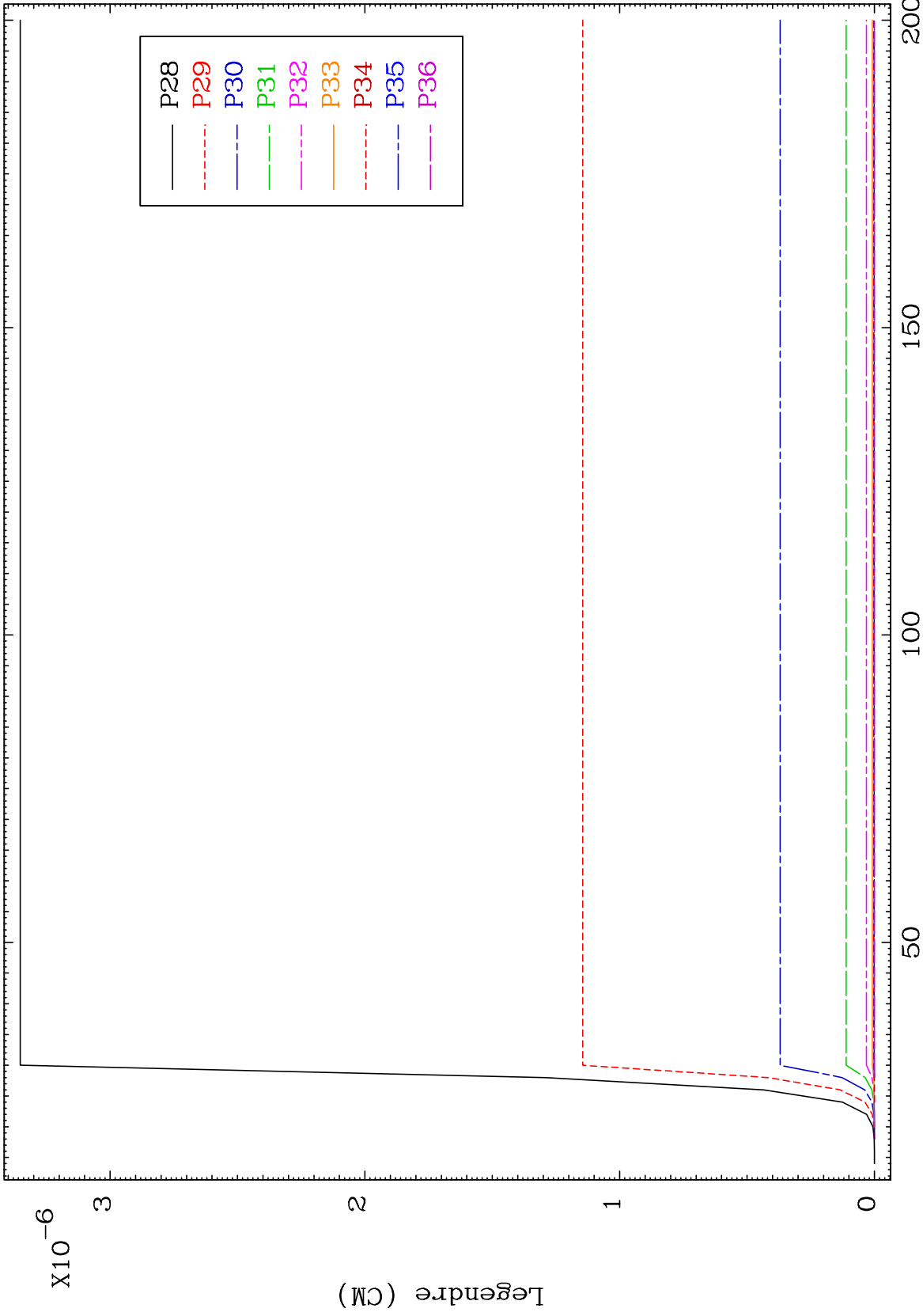
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



105

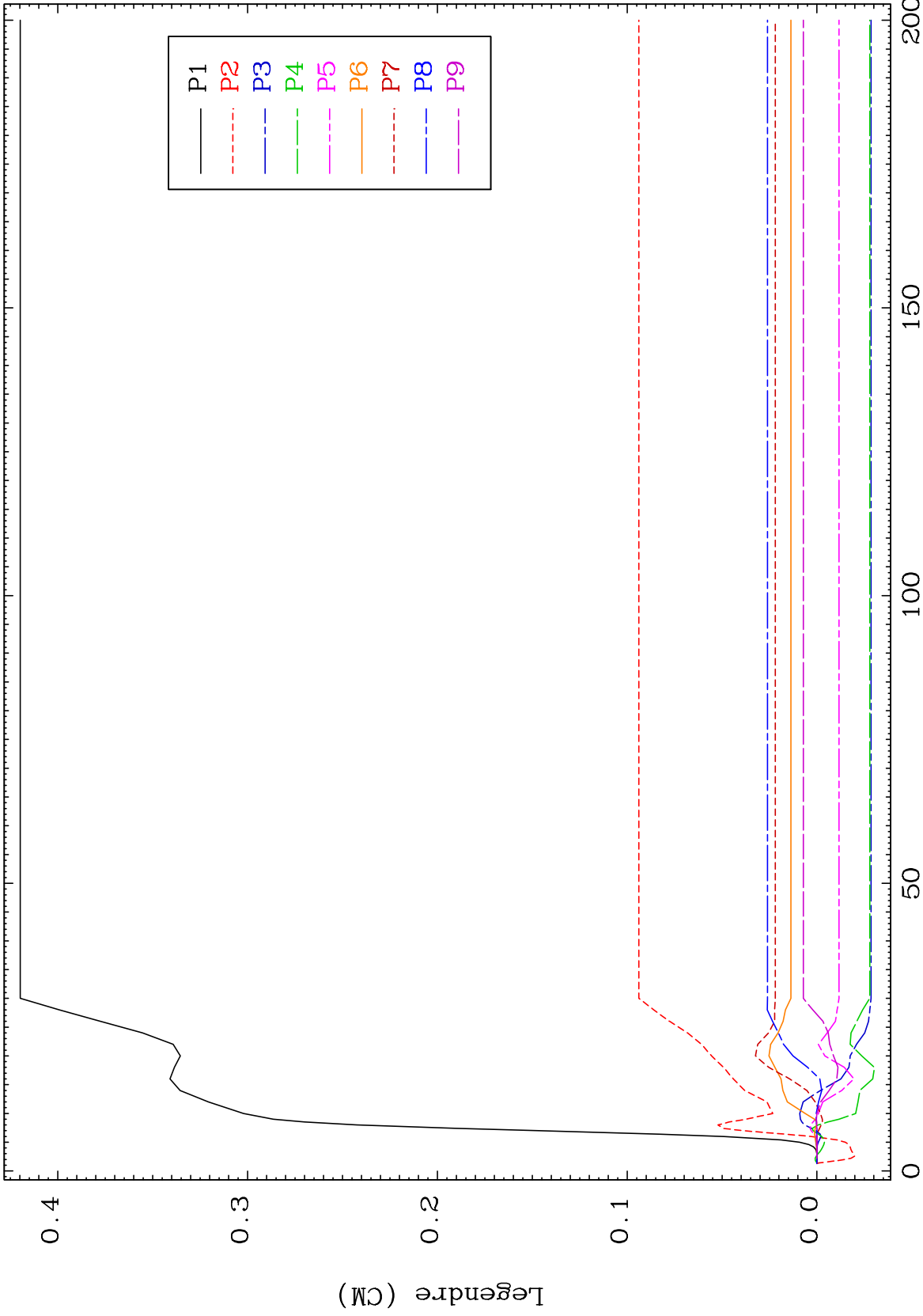
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



106

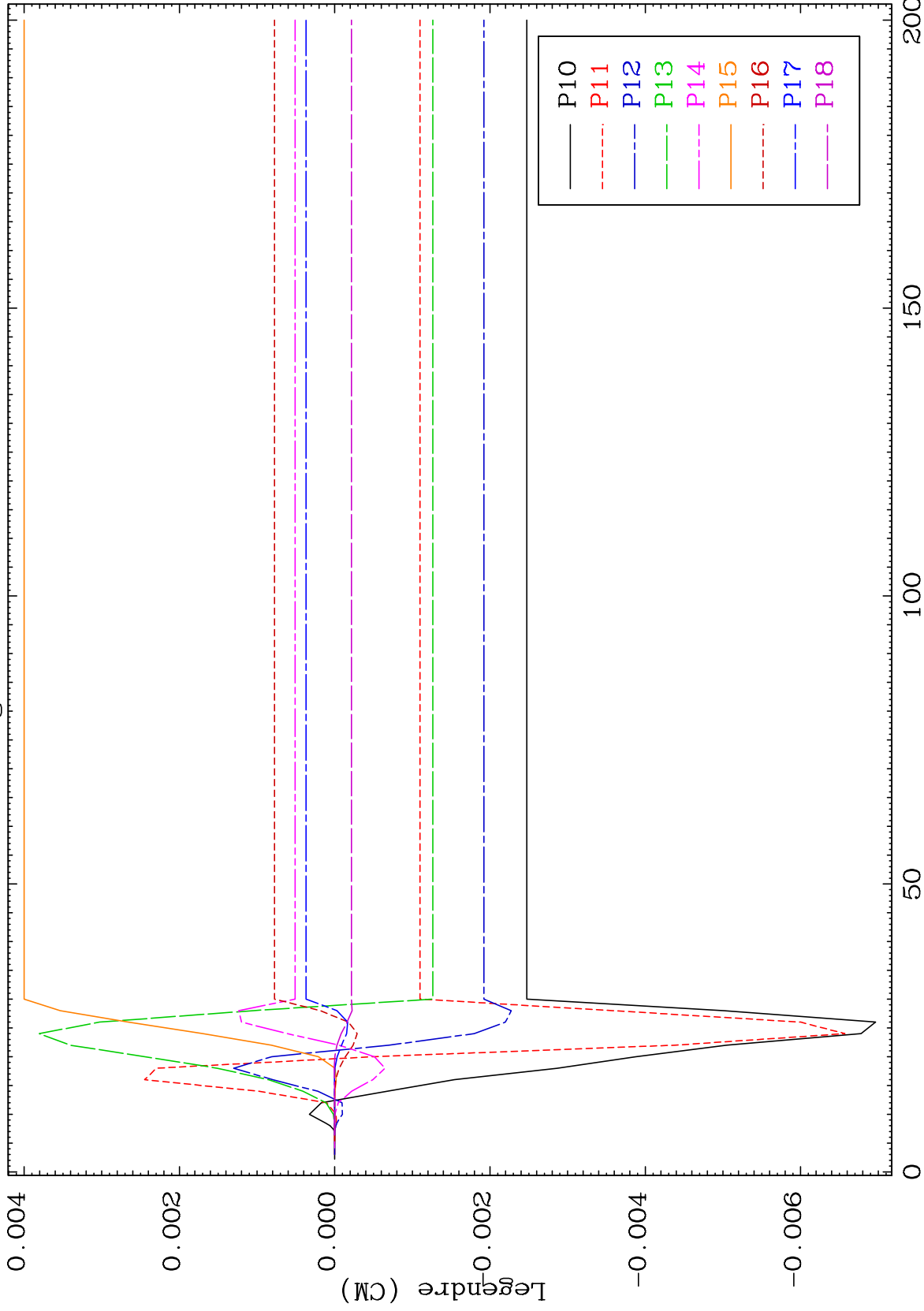
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



107

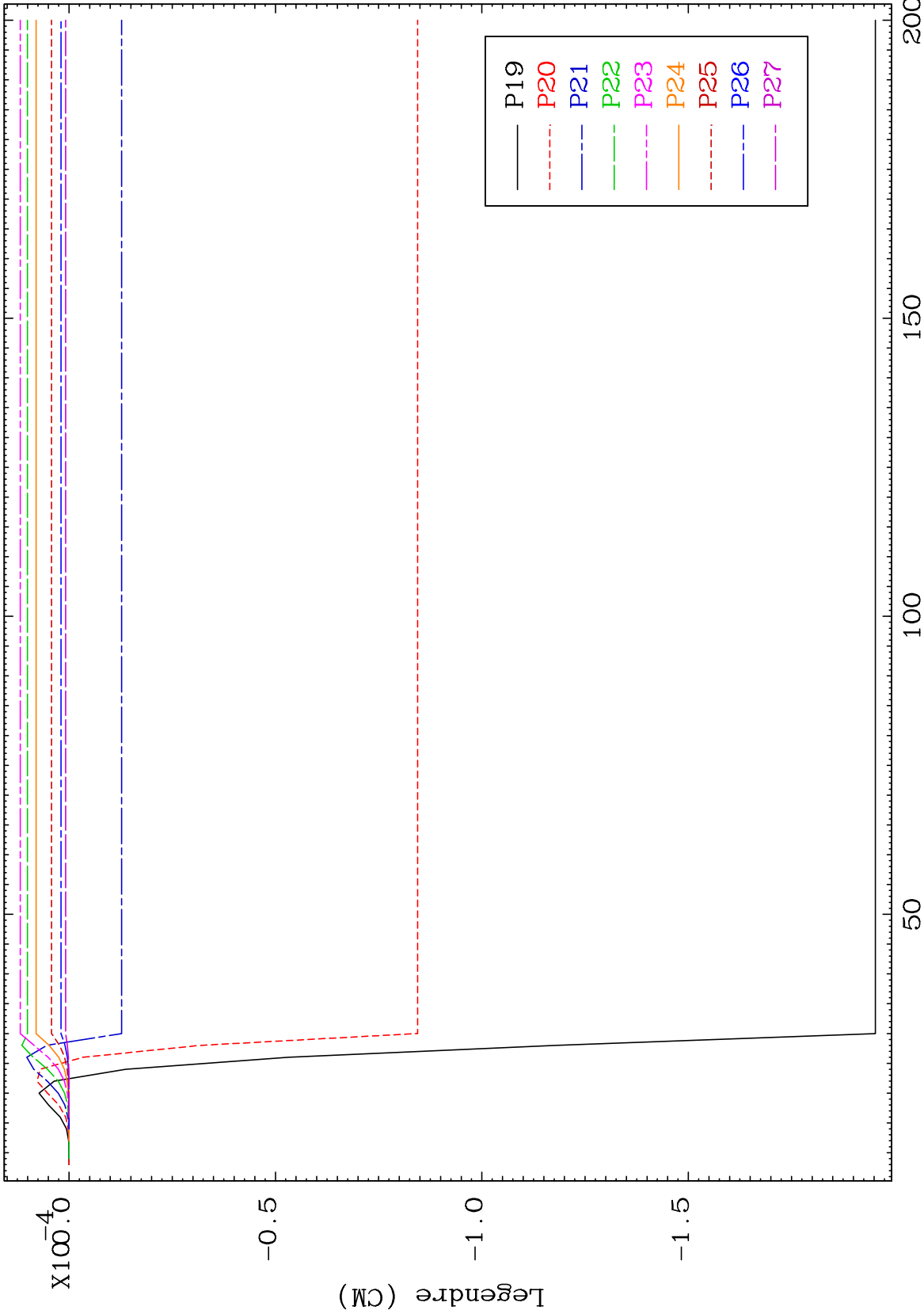
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



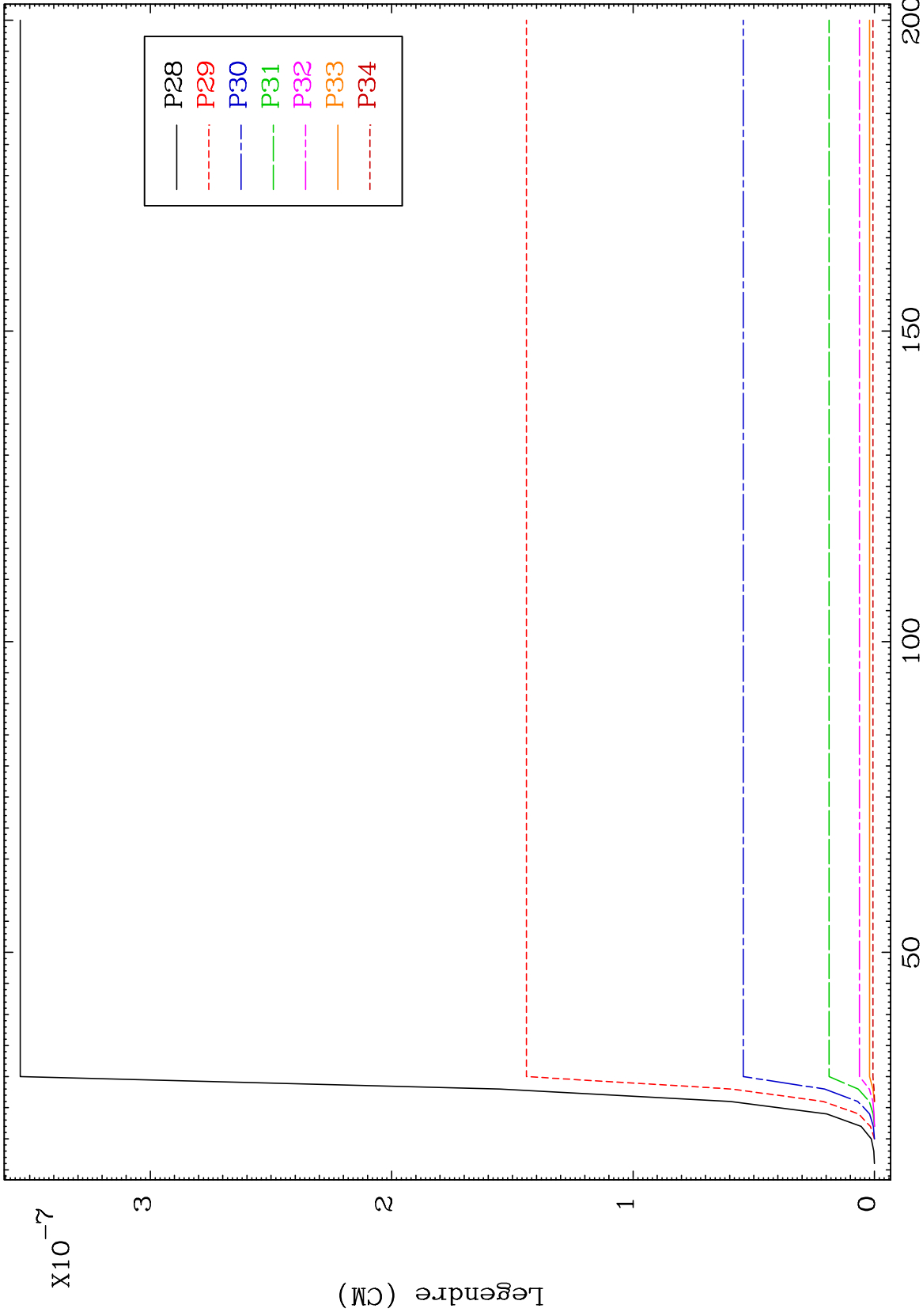
108

53-I -125

MAT 5319

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

53-I -125



109

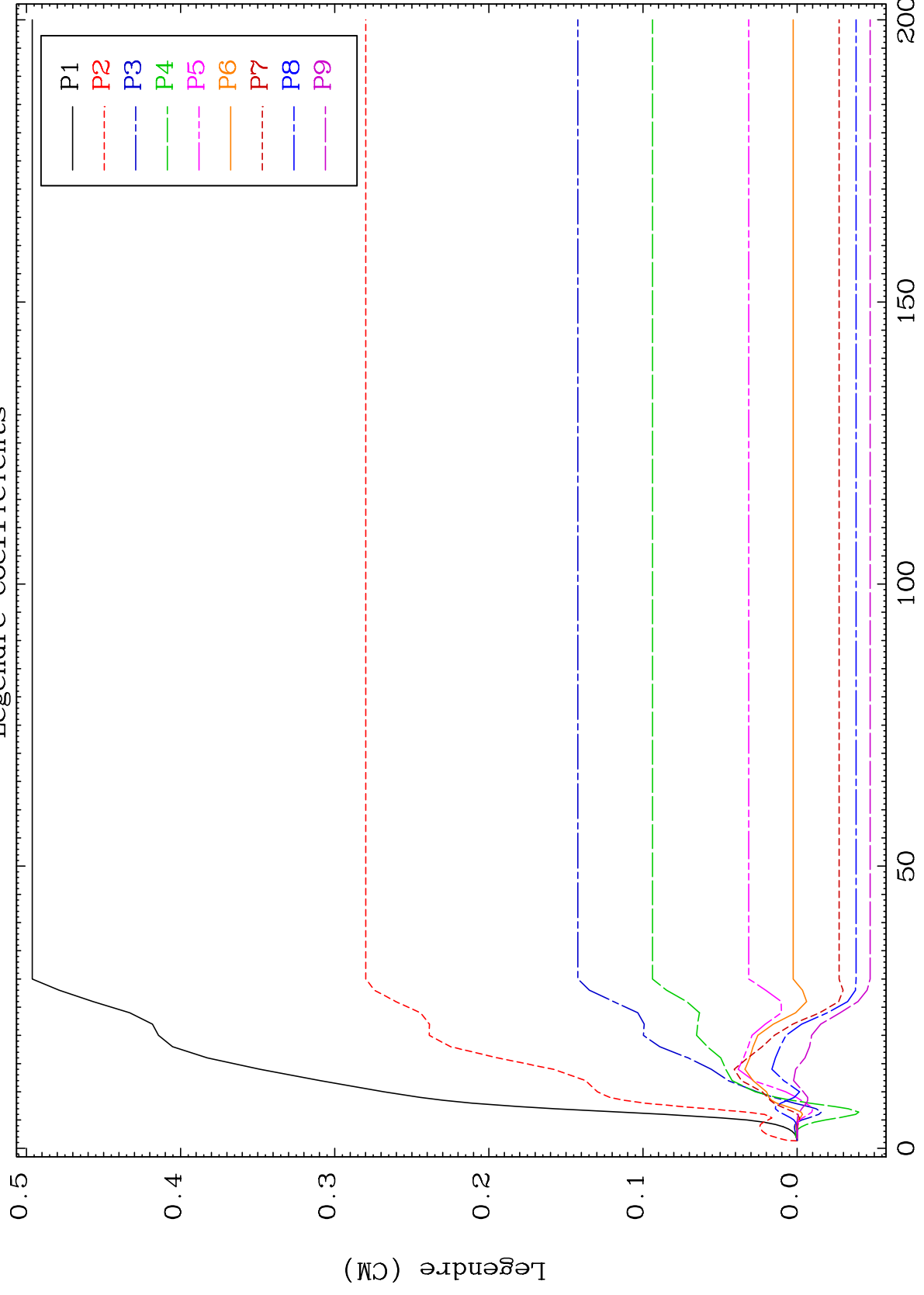
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



110

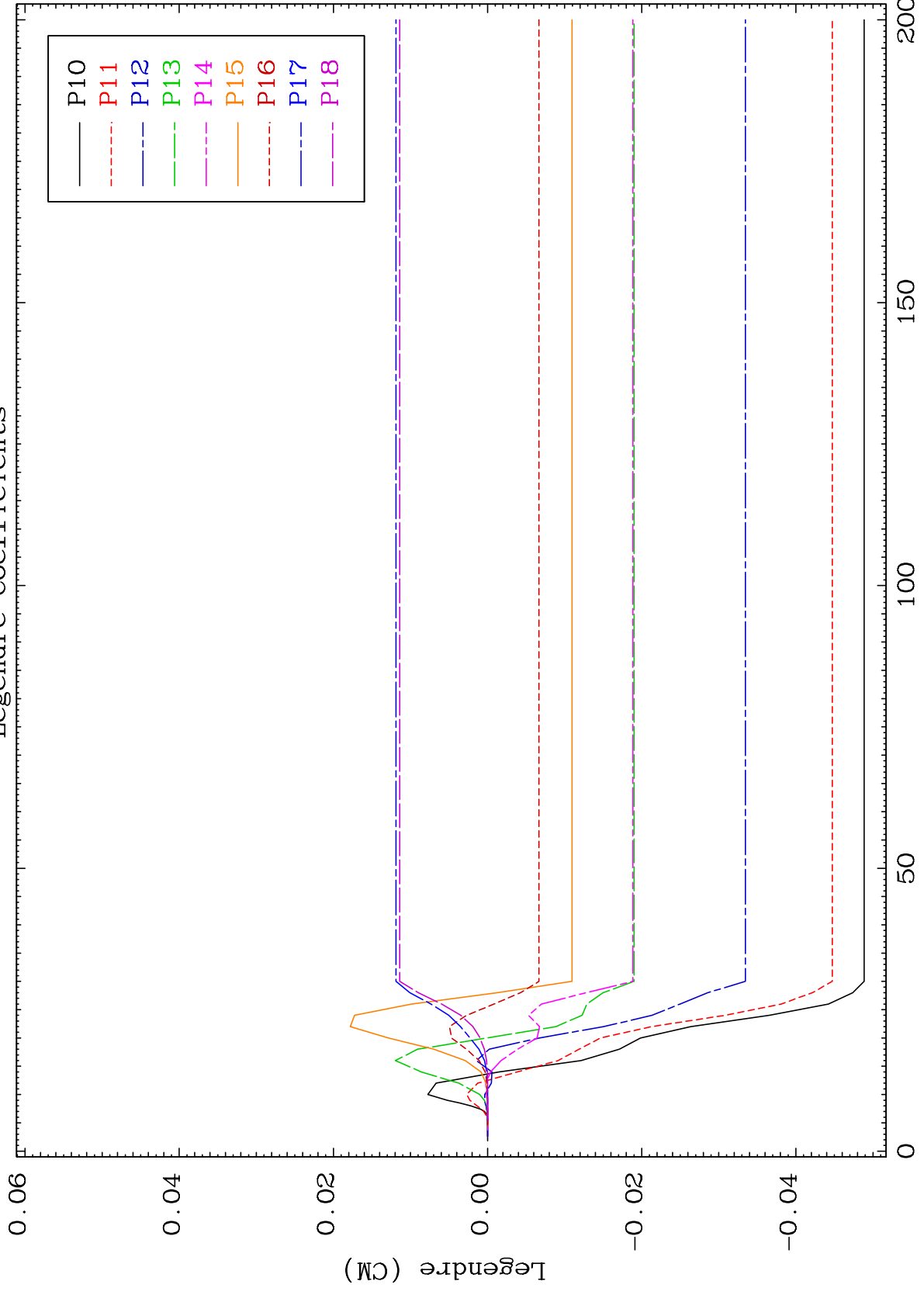
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



111

Incident Energy (MeV)

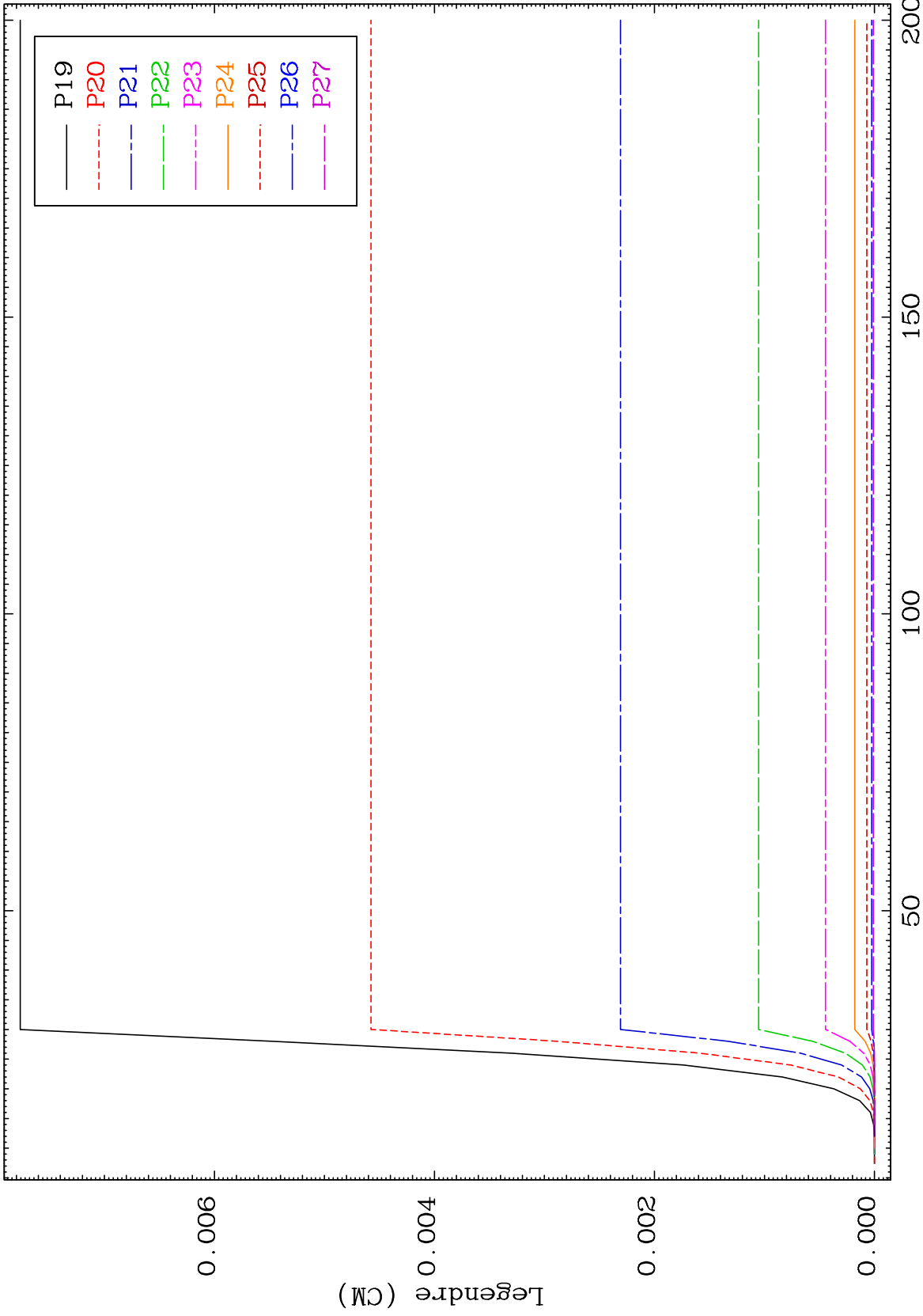
53-I -125



MAT 5319

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

53-I -125



112

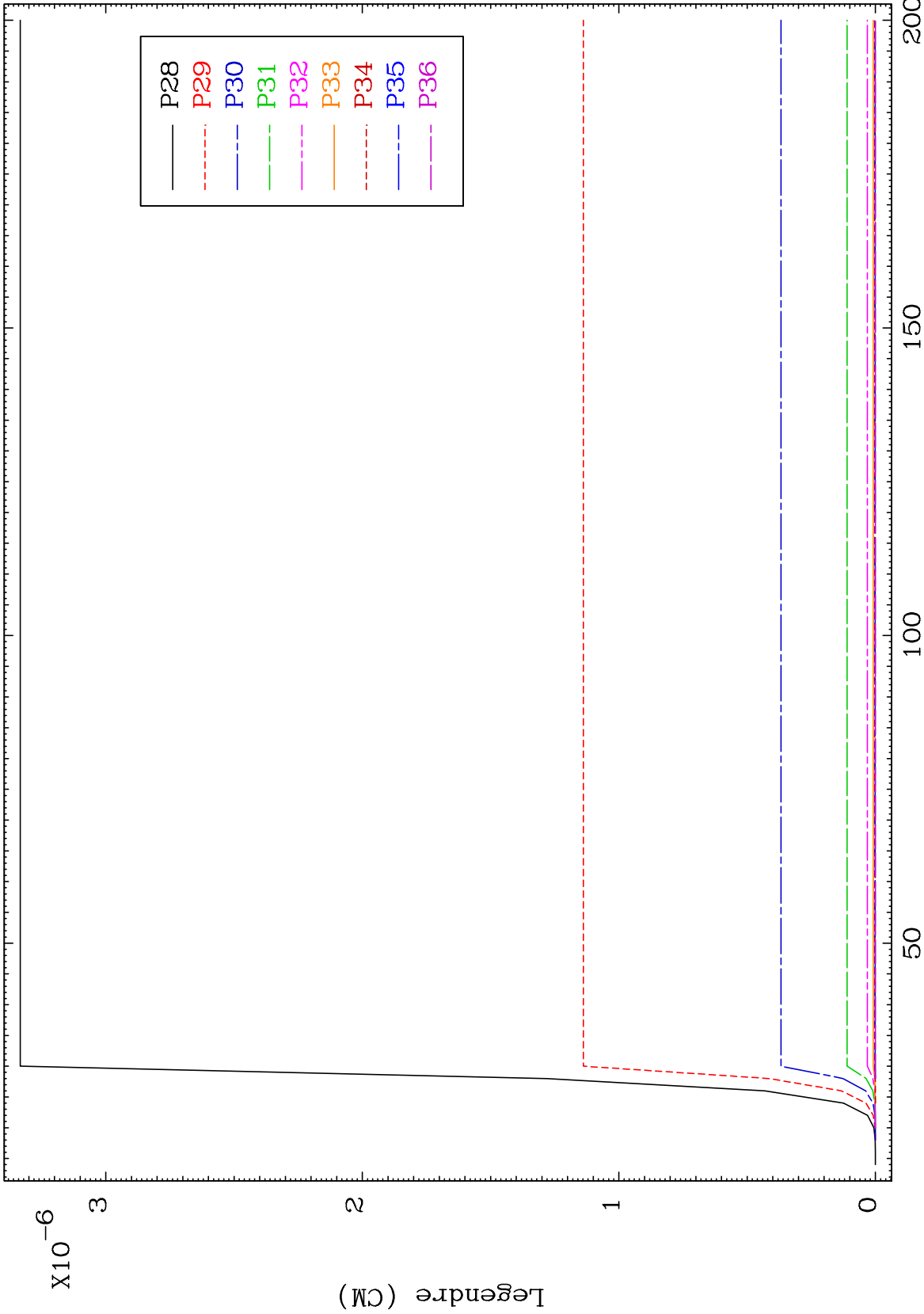
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



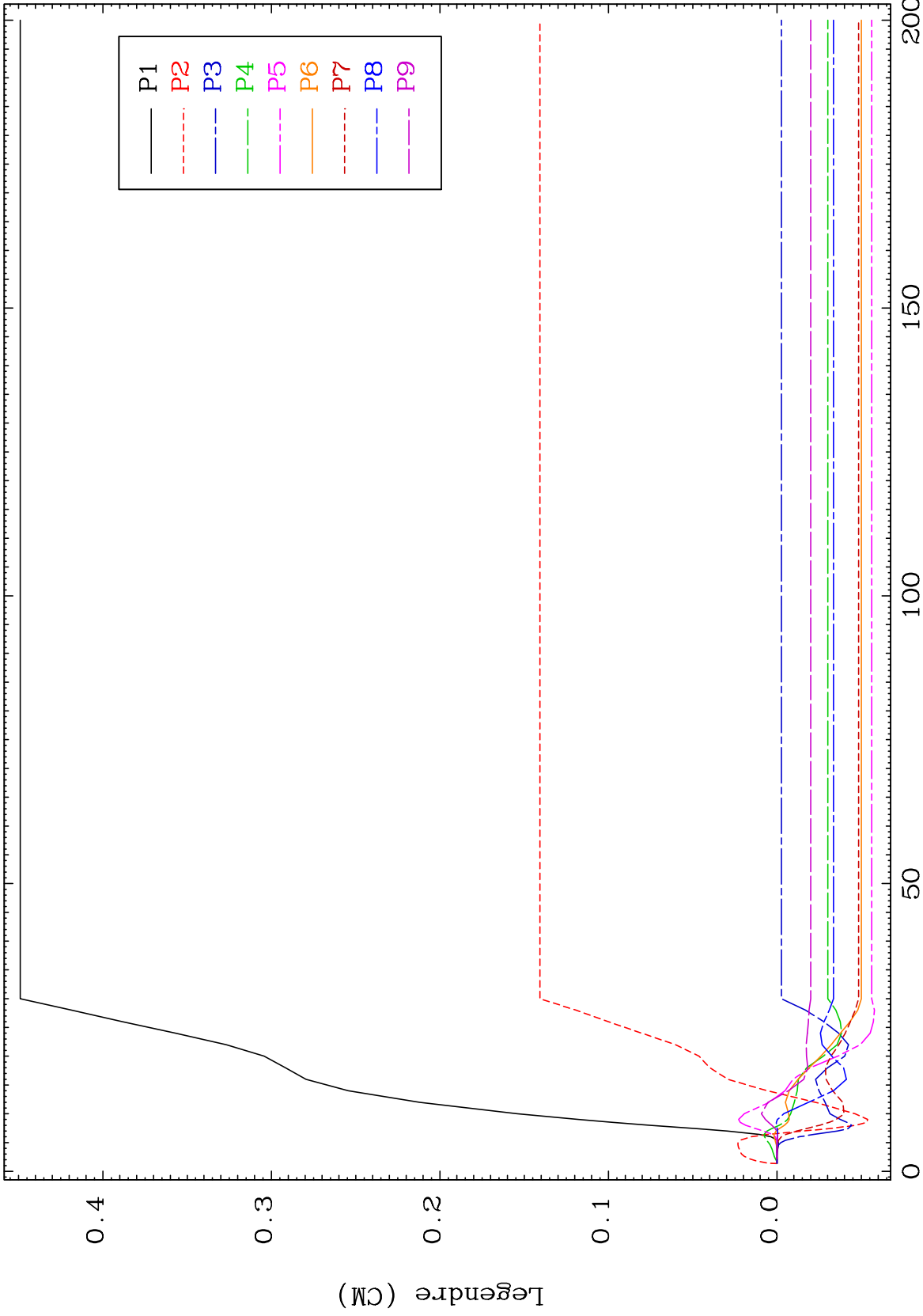
113

53-I -125

MAT 5319

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

53-I -125



114

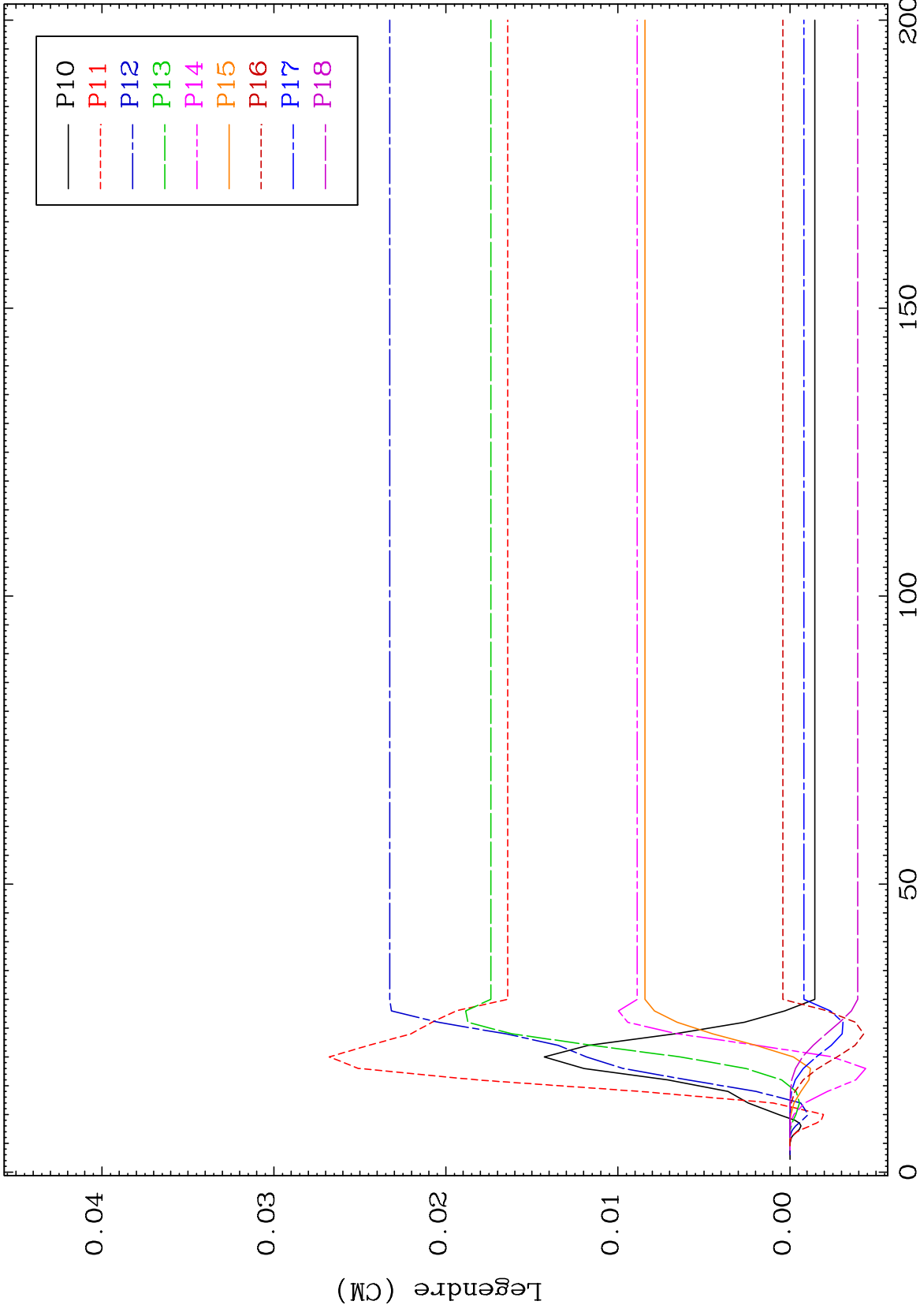
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



115

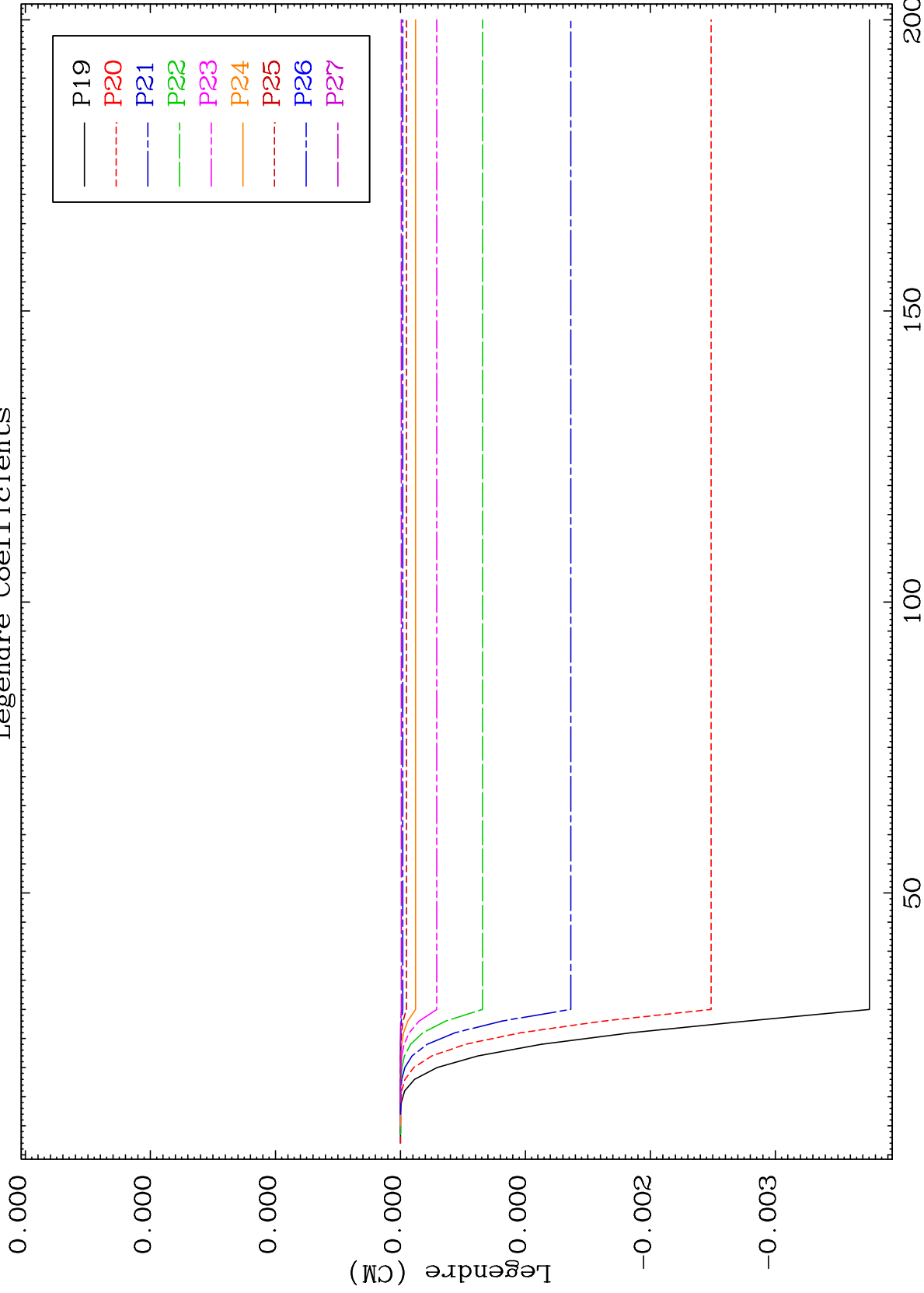
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



116

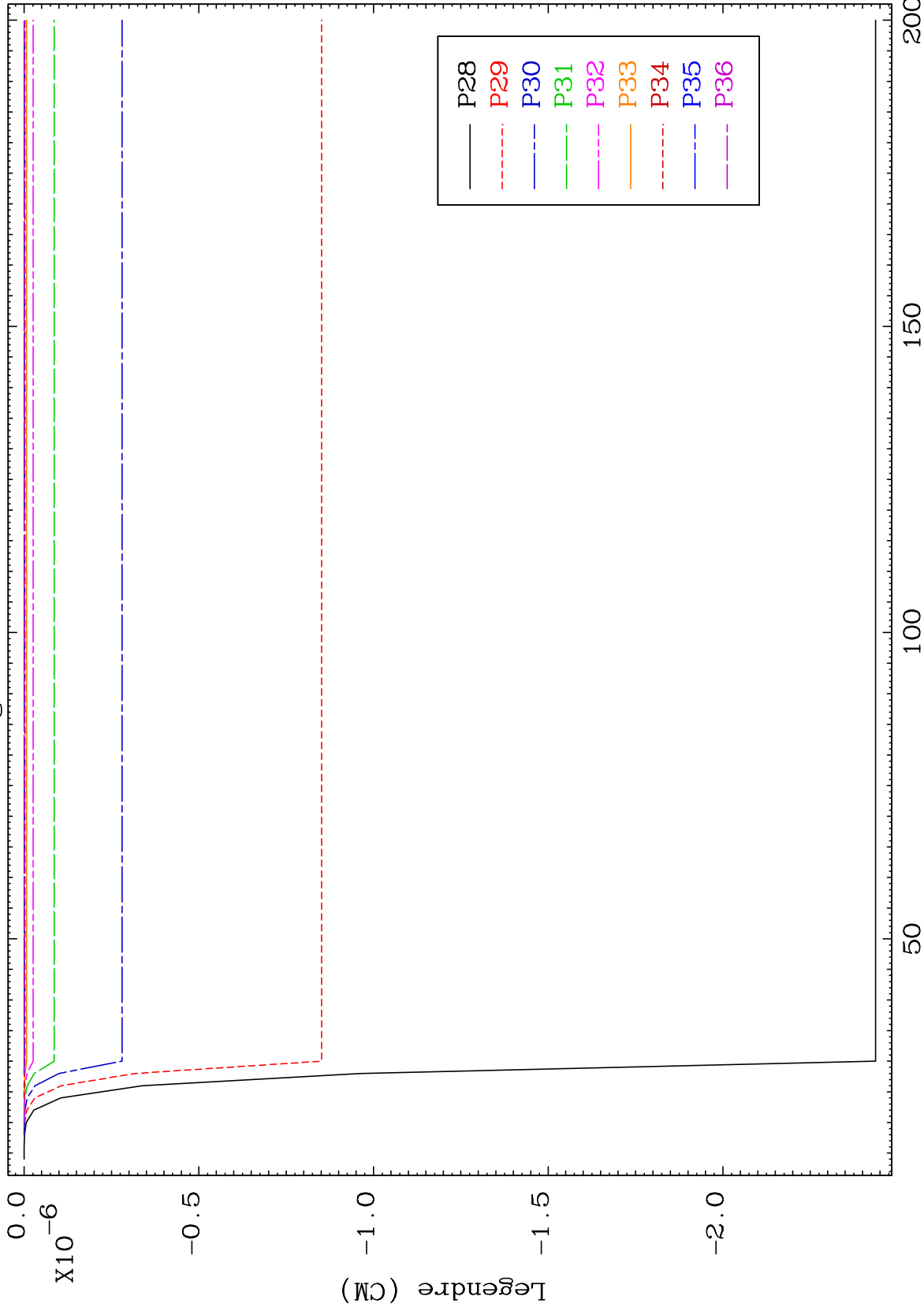
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



117

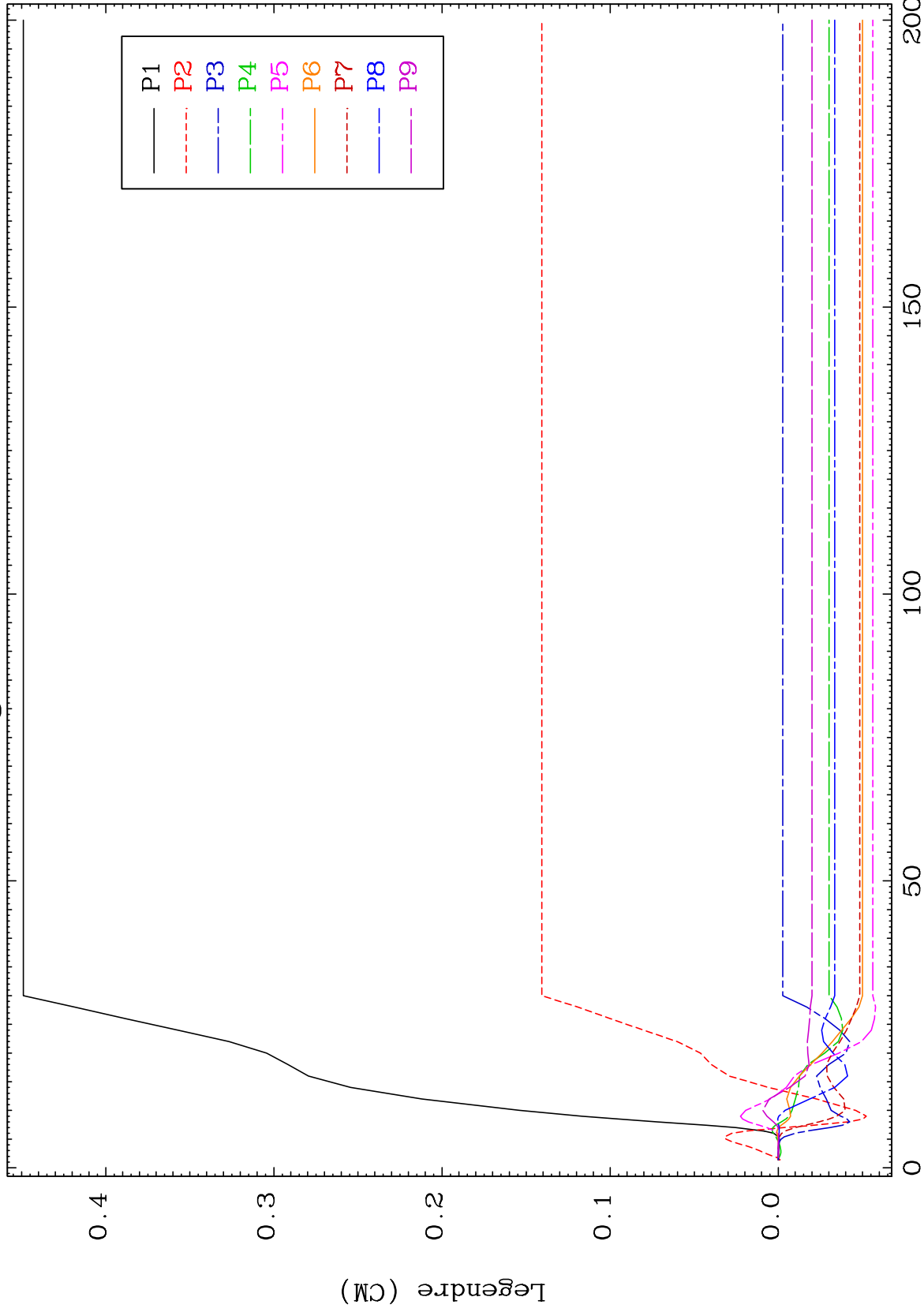
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



118

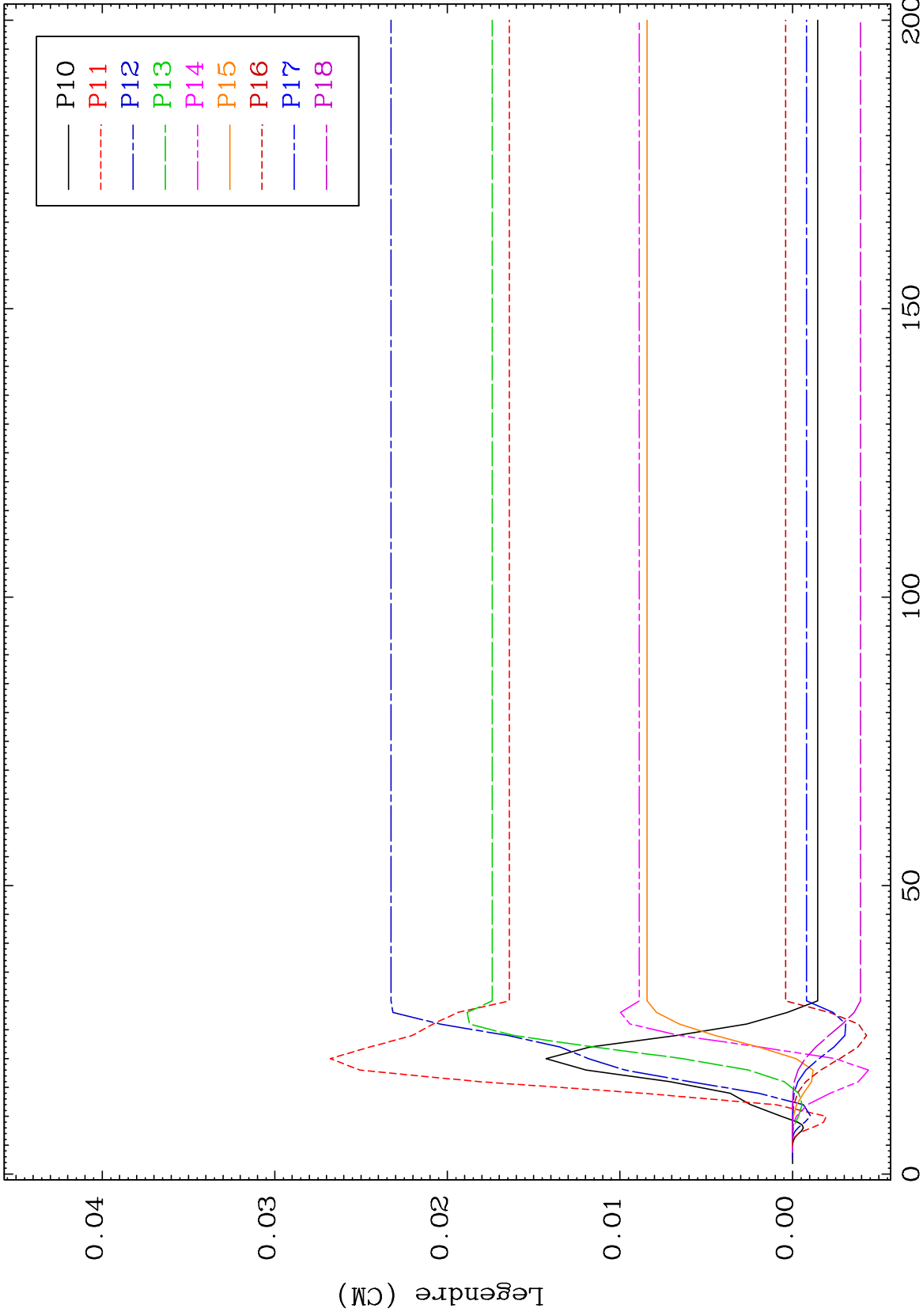
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



119

Incident Energy (MeV)

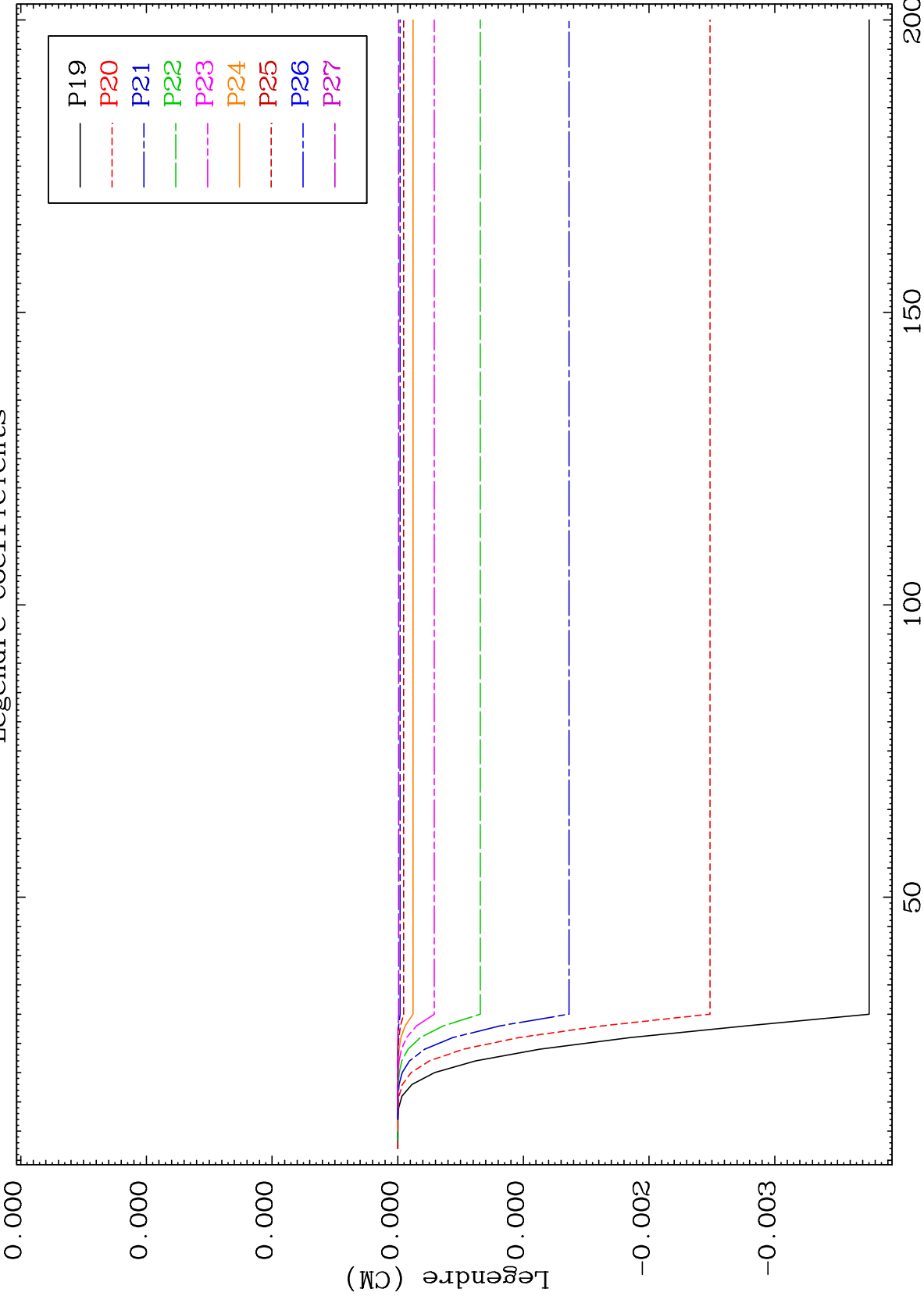
53-I -125



MAT 5319

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

53-I -125



120

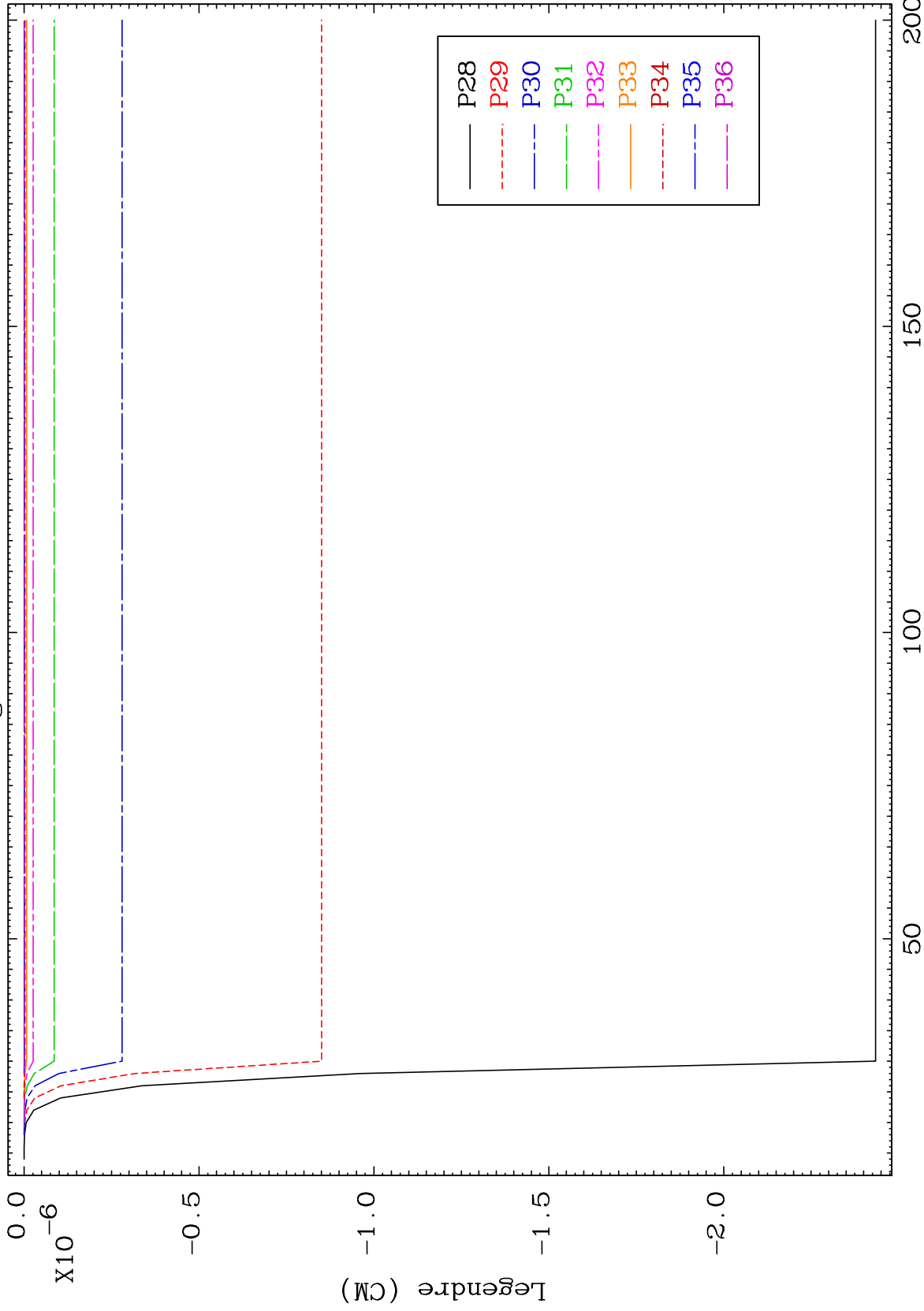
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



121

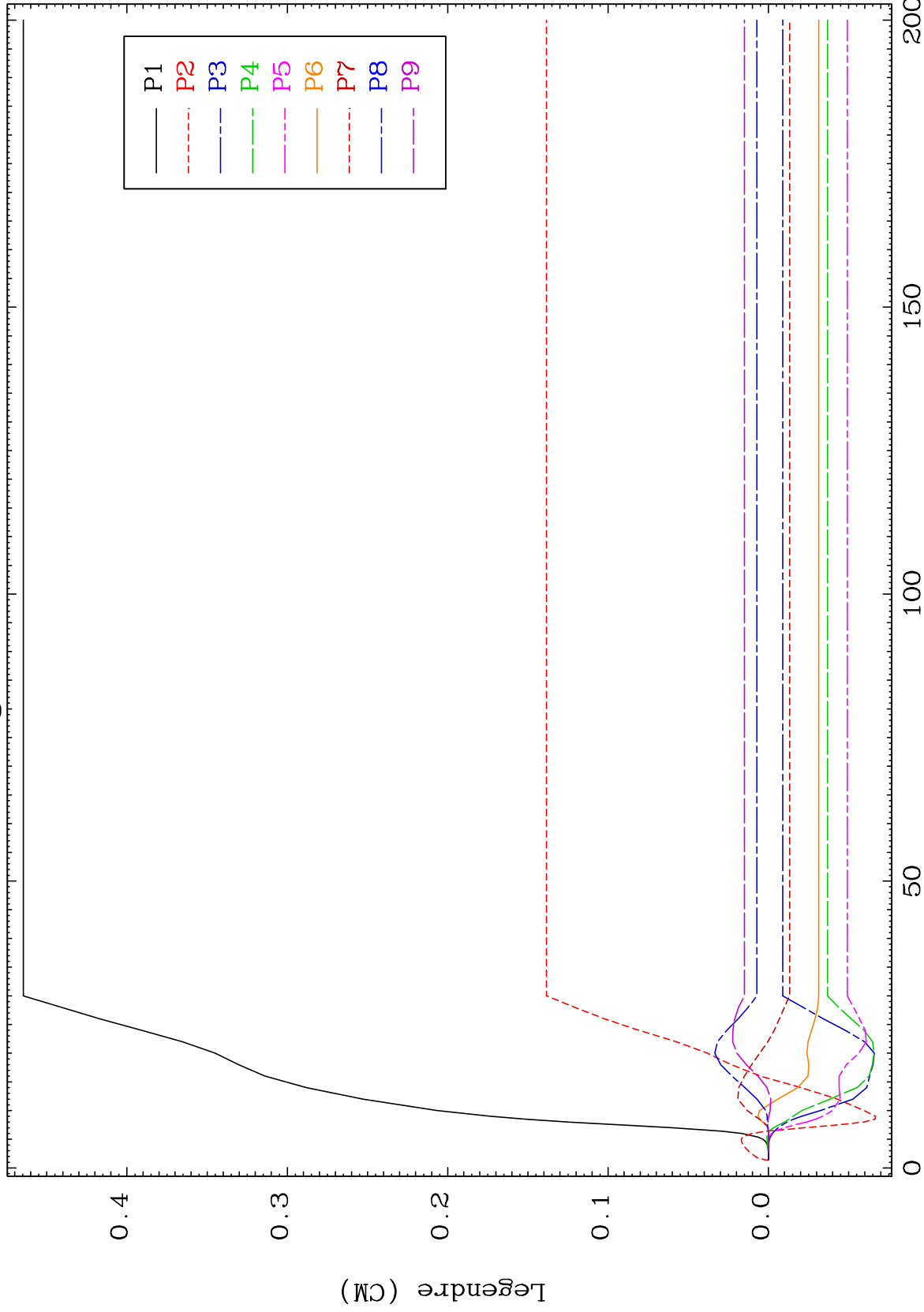
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



122

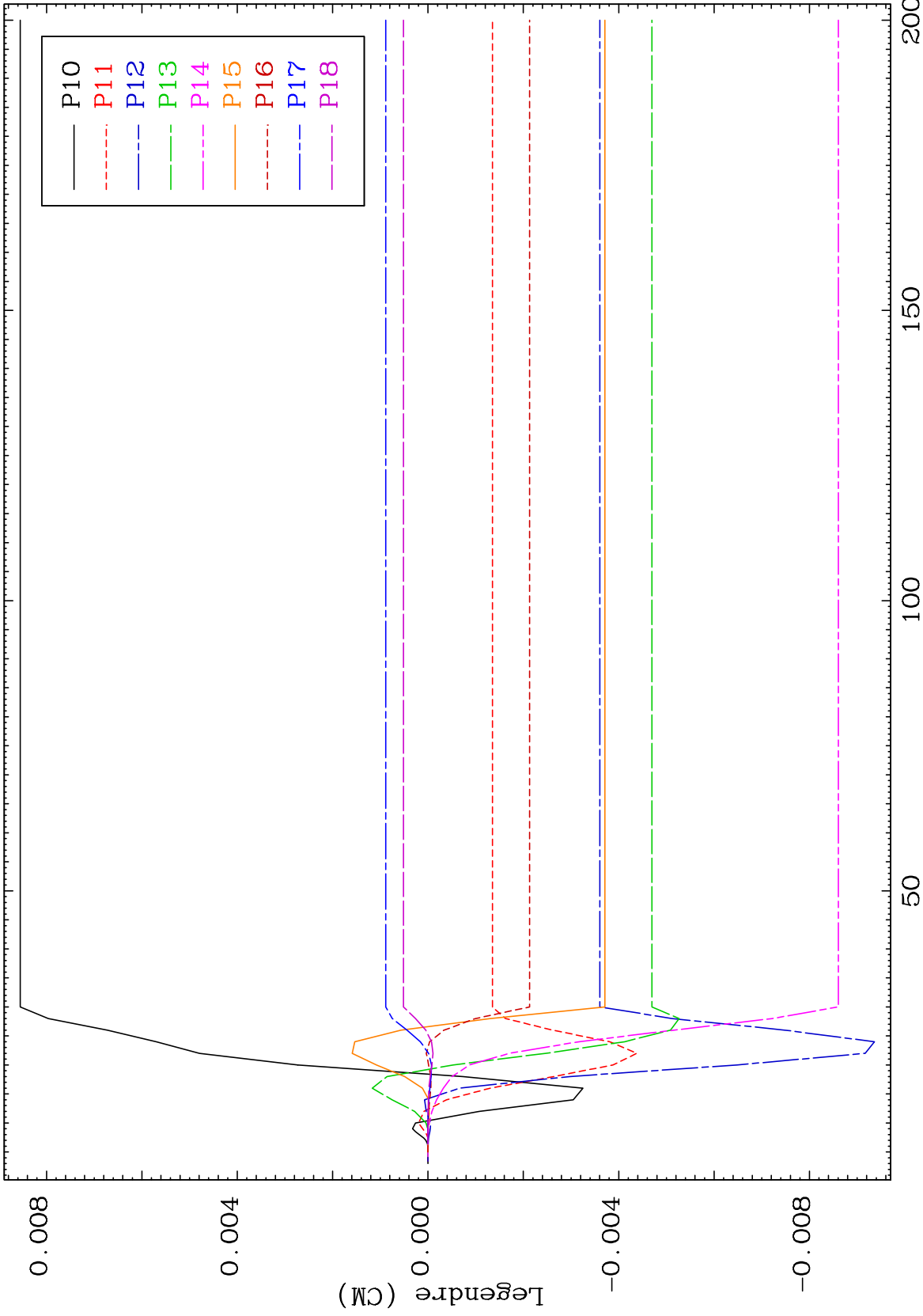
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



123

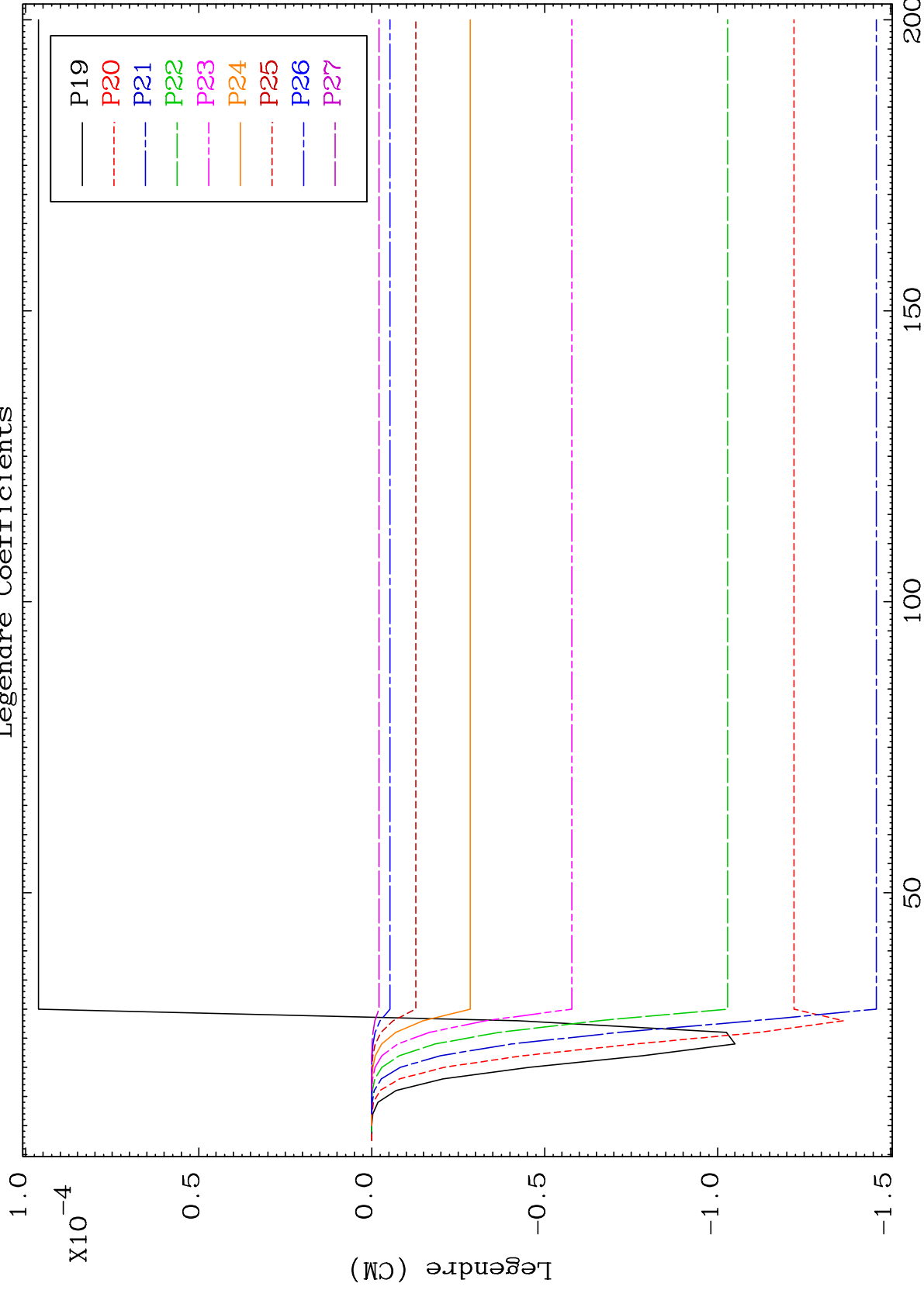
Incident Energy (MeV)

53-I -125

MAT 5319

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

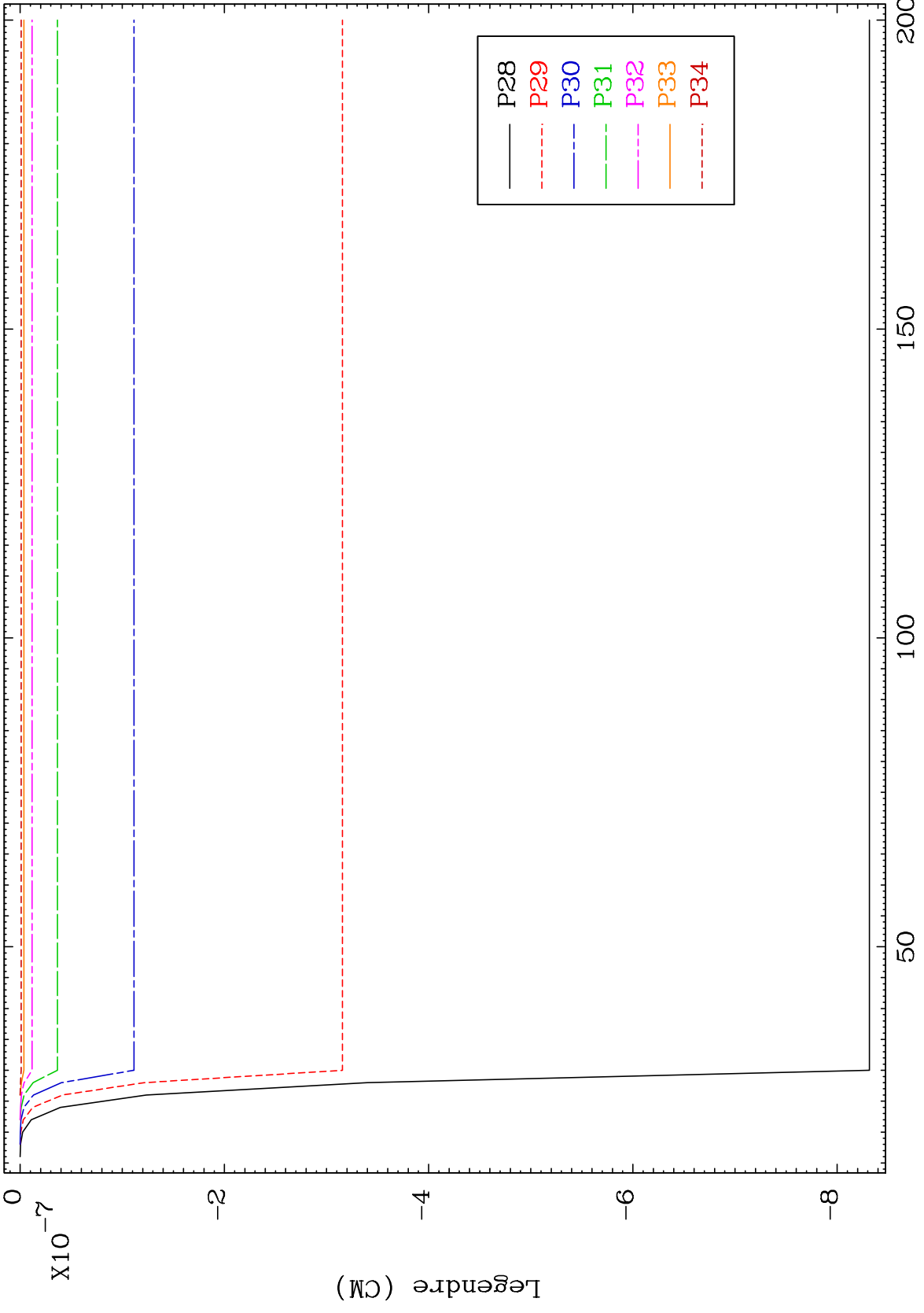
53-I -125



124

53-I -125

MAT 5319 MT= 78 (n,n') Level Legendre Coefficients 53-I -125

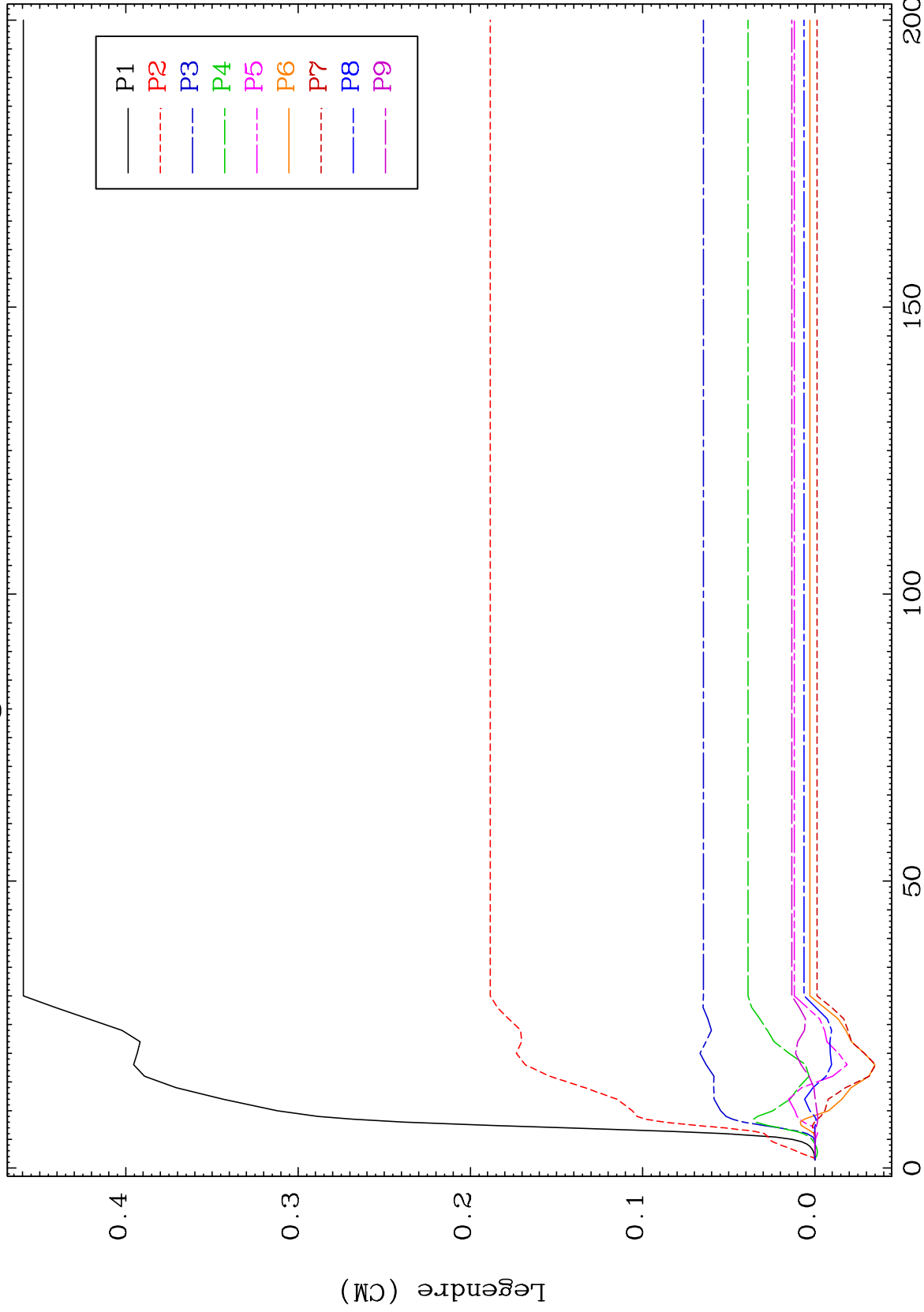


125 53-I -125

MAT 5319

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

53-I -125



126

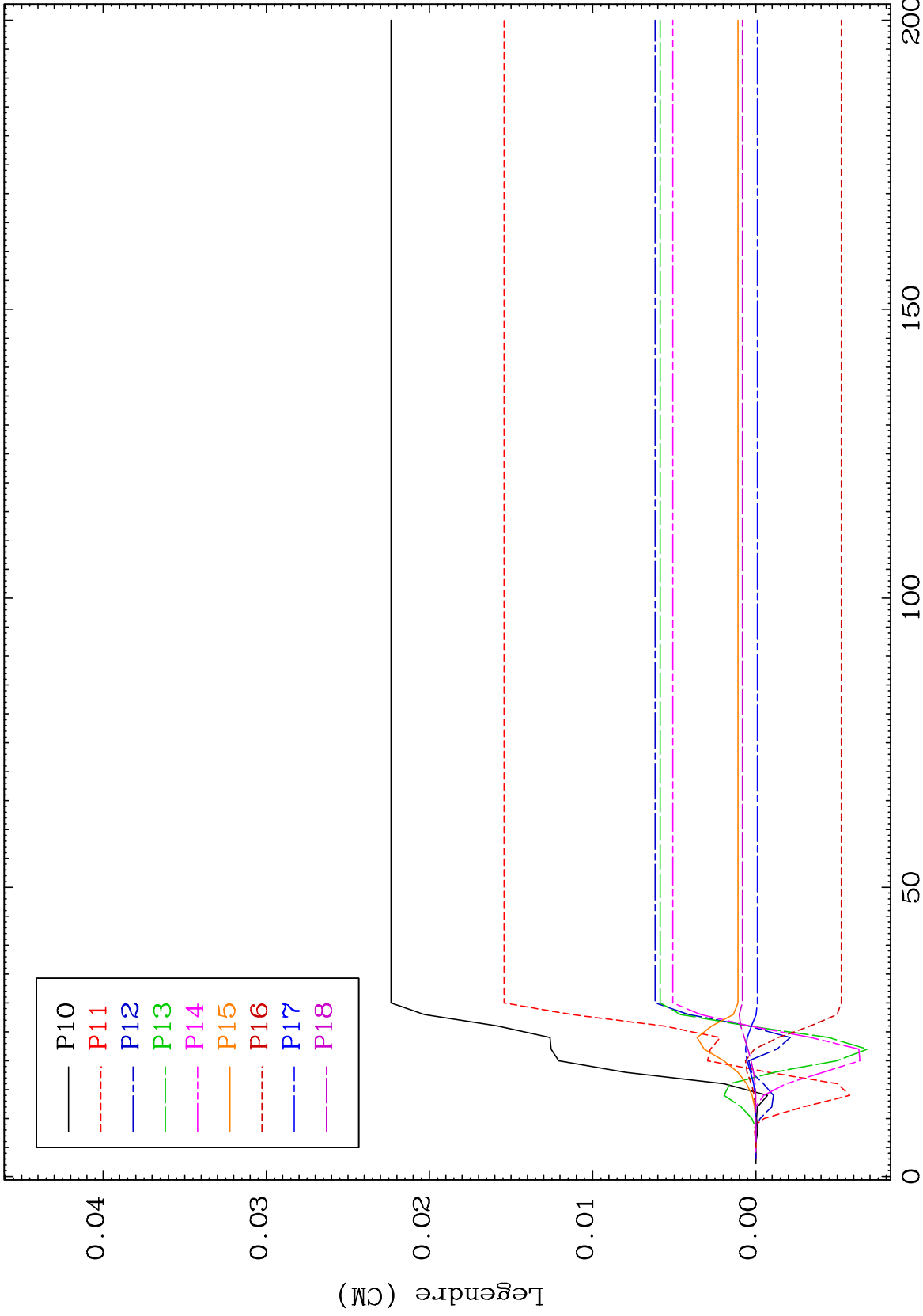
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



127

Incident Energy (MeV)

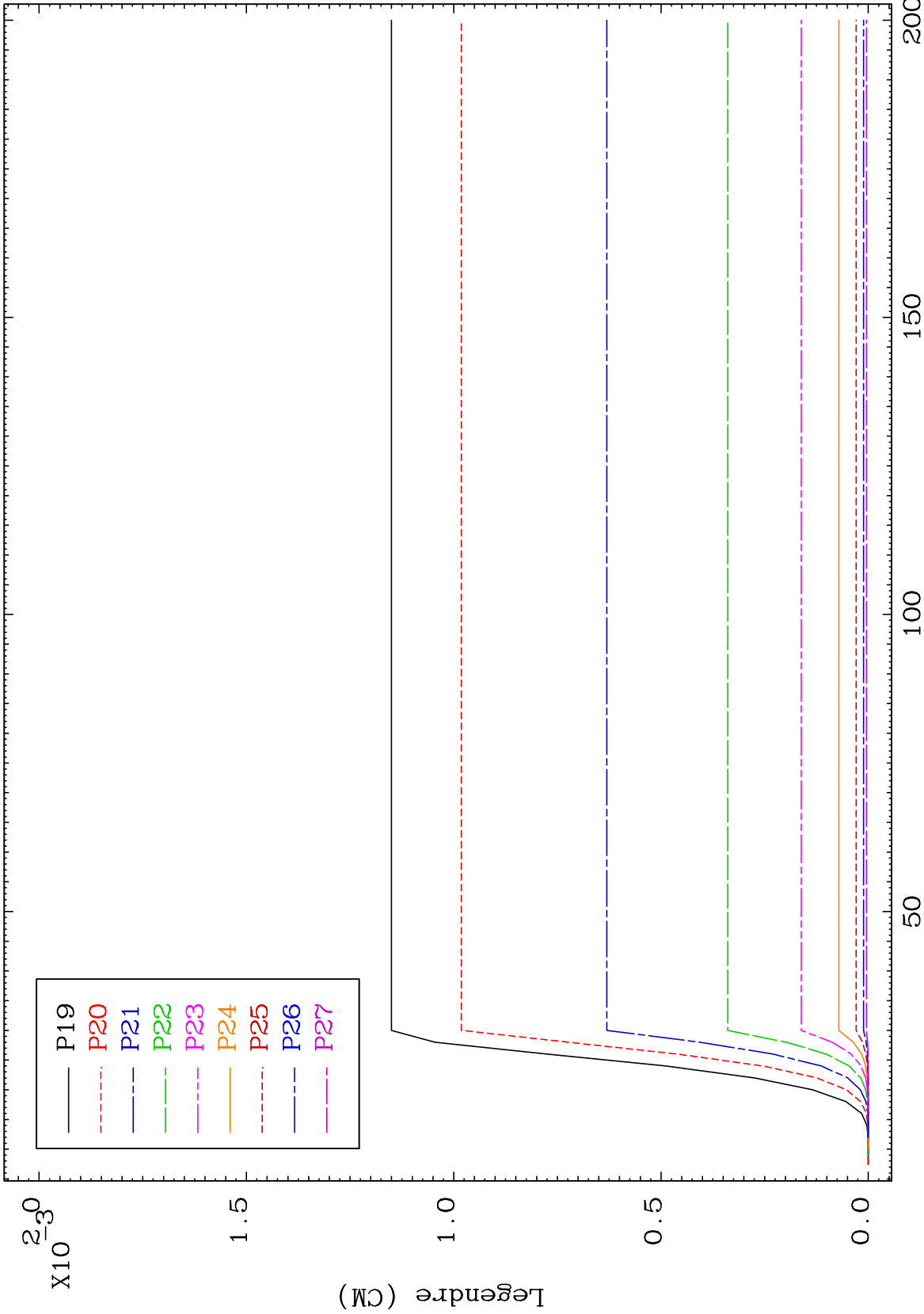
53-I -125



MAT 5319

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

53-I -125



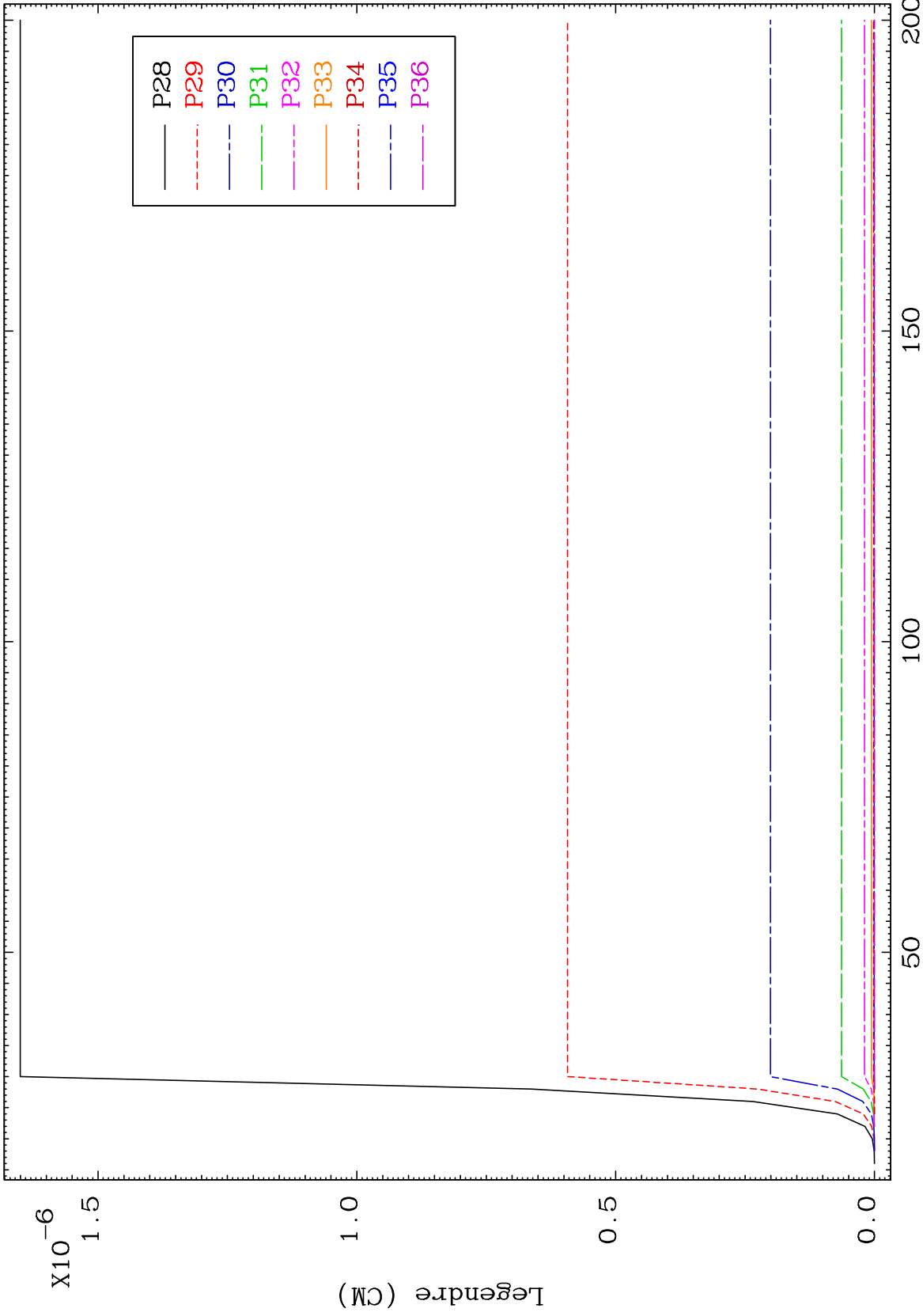
128

53-I -125

MAT 5319

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

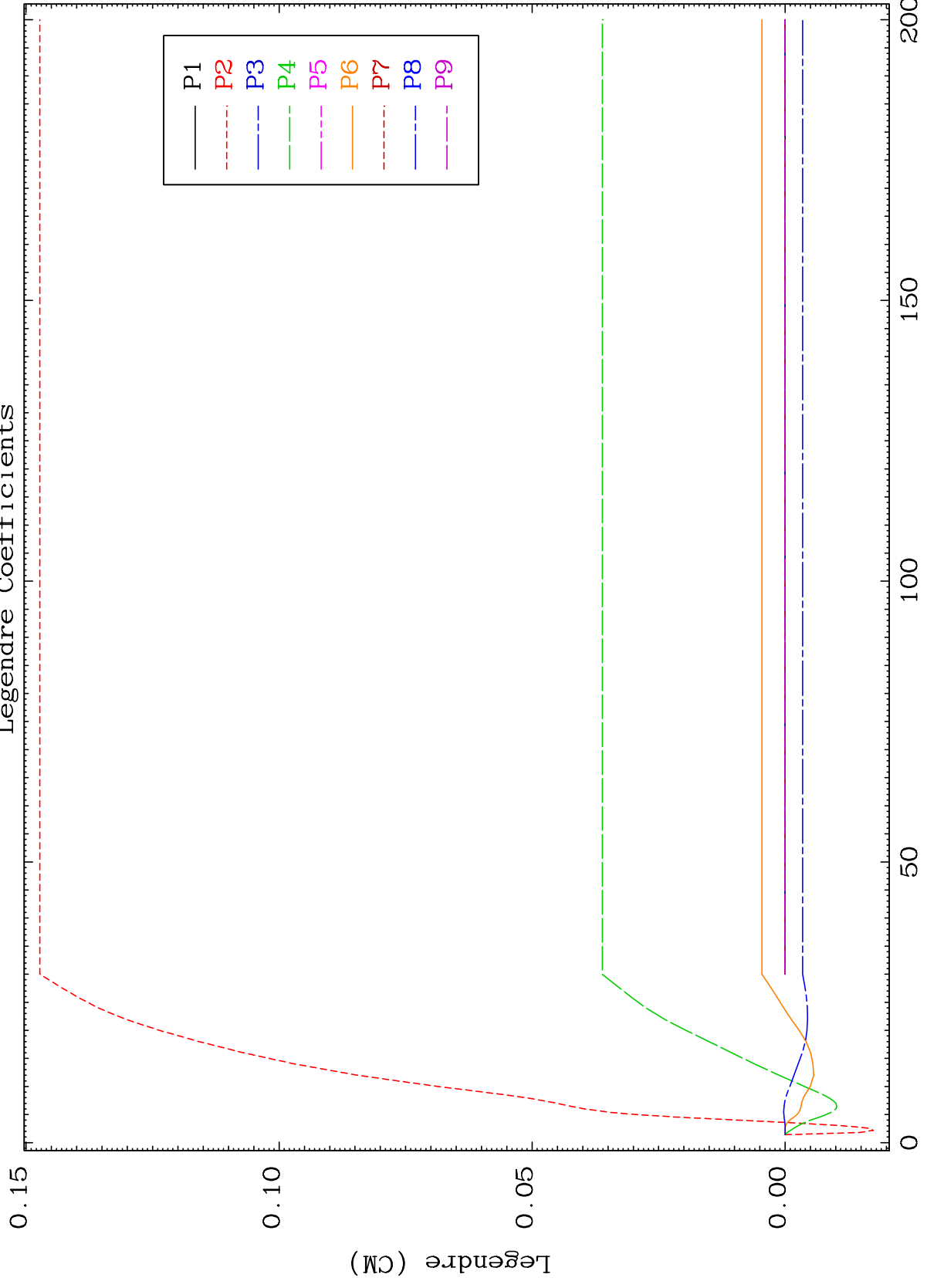
53-I -125



129

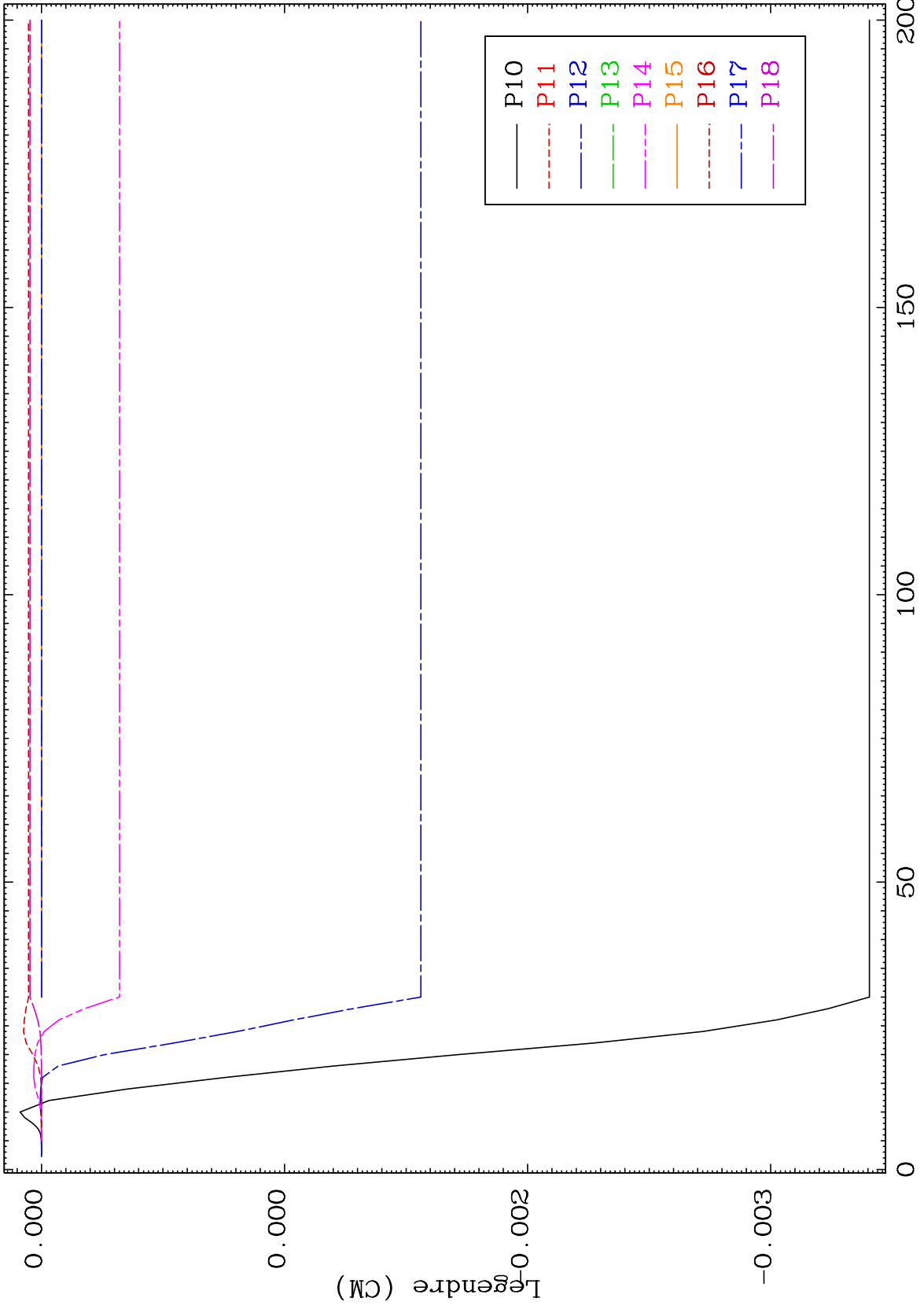
53-I -125

MAT 5319 MT= 80 (n,n') Level Legendre Coefficients 53-I -125



130 Incident Energy (MeV) 53-I -125

MAT 5319 MT= 80 (n,n') Level Legendre Coefficients 53-I -125

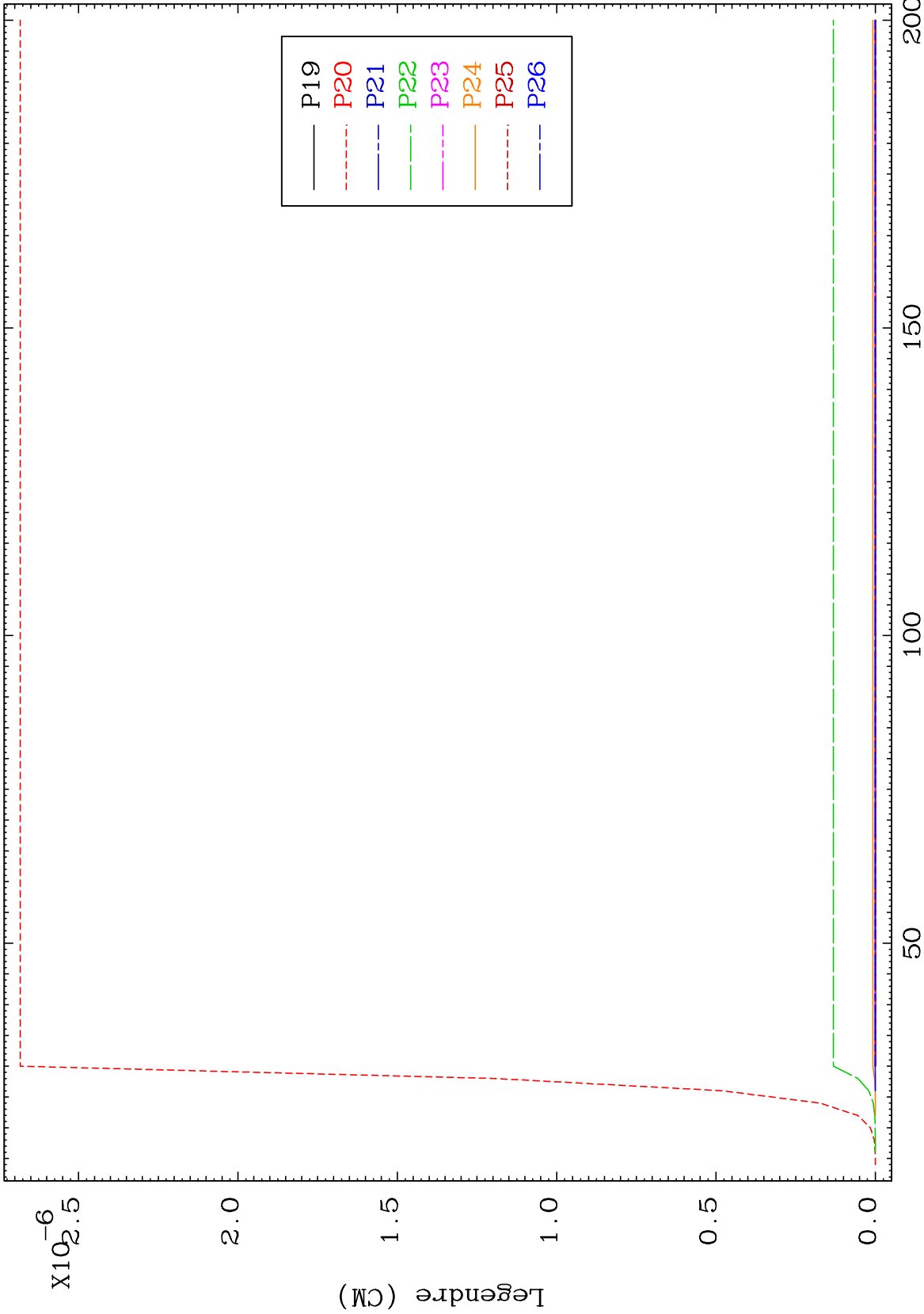


131 53-I -125

MAT 5319

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

53-I -125



132

Incident Energy (MeV)

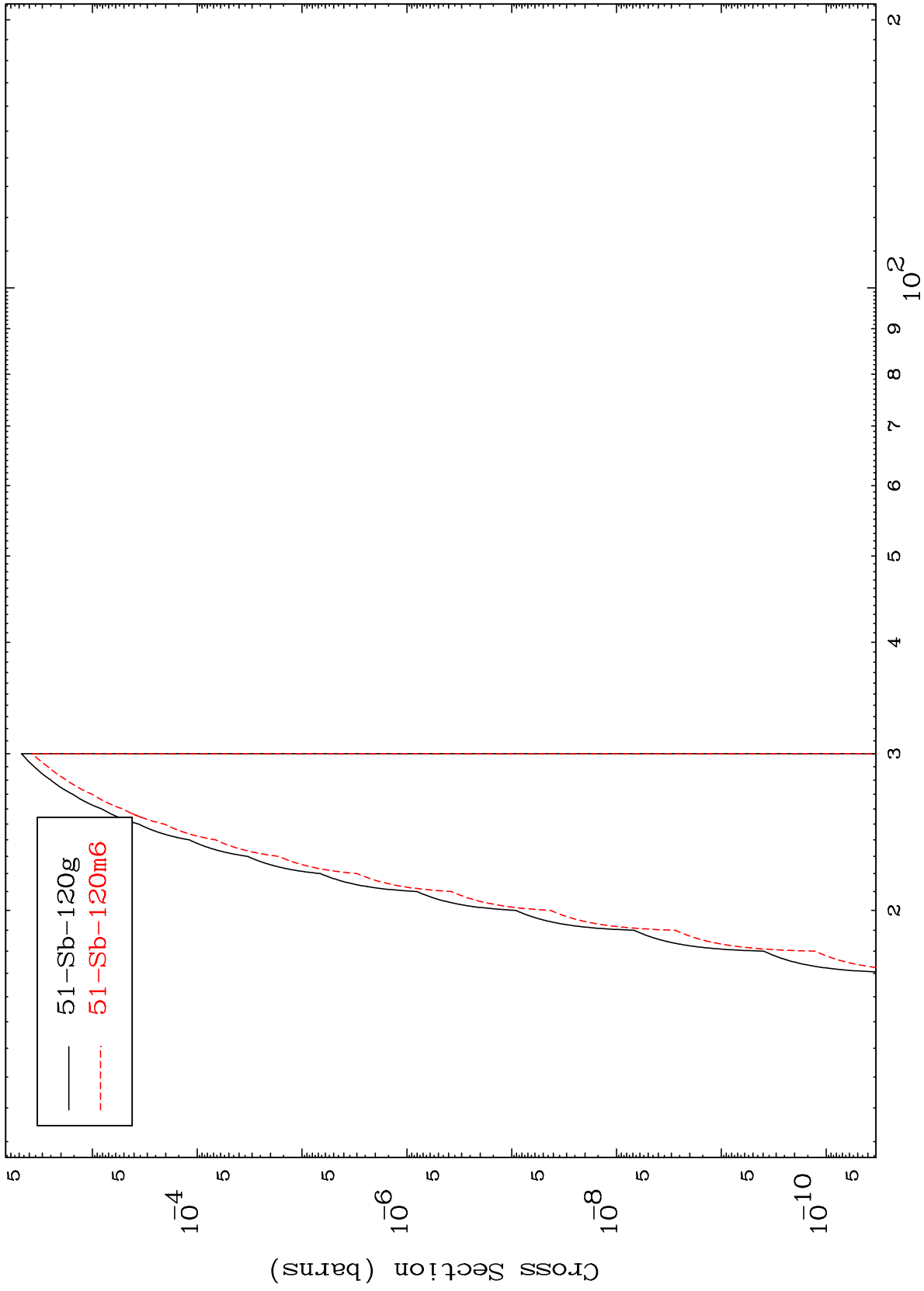
53-I -125

MAT 5319

(n,2n)  $\alpha$

53-I -125

Radionuclide Production Cross Section



133

Incident Energy (MeV)

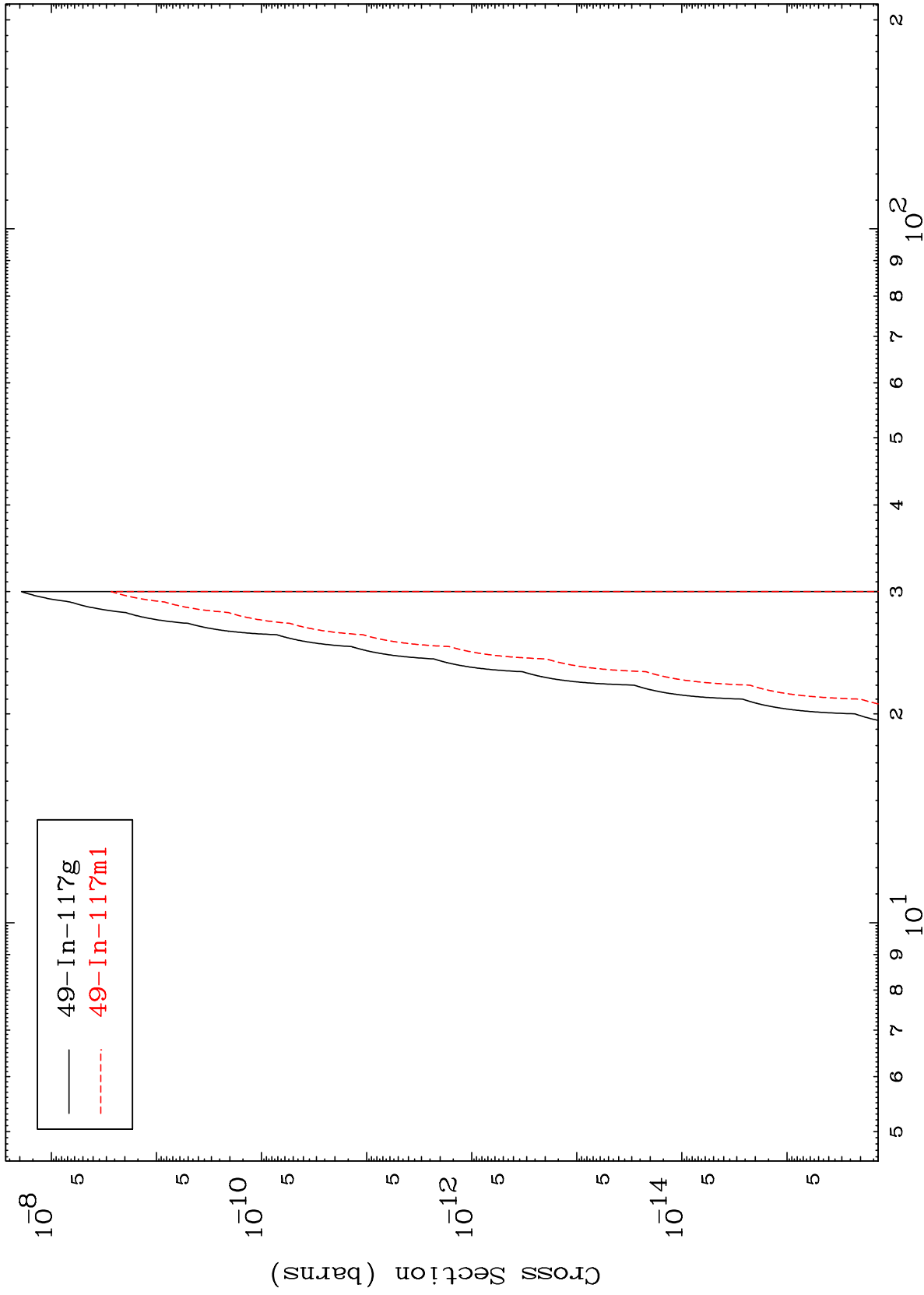
53-I -125

MAT 5319

(n,n') 2 $\alpha$

53-I -125

Radionuclide Production Cross Section



134

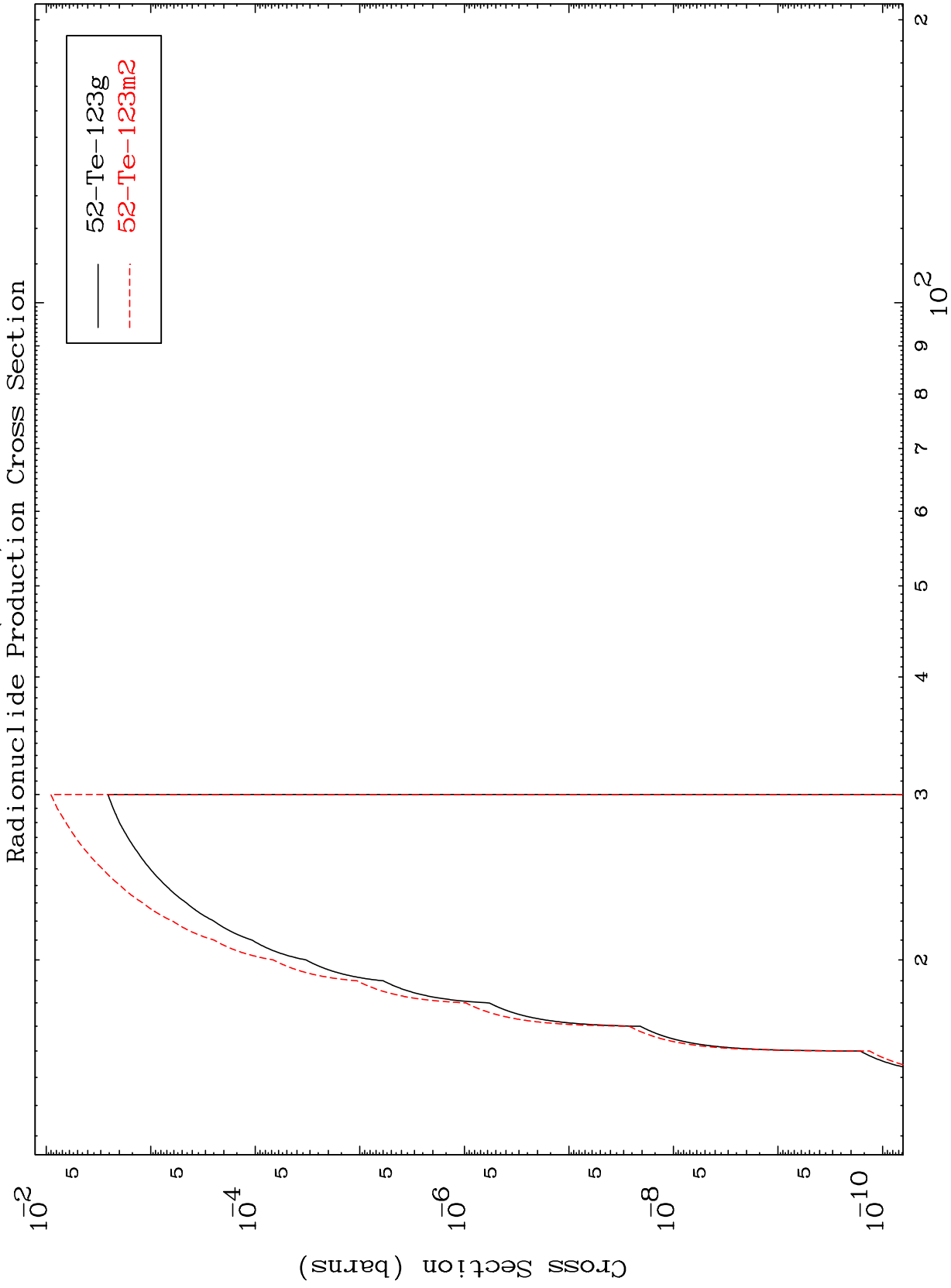
Incident Energy (MeV)

53-I -125

MAT 5319

(n,n') d

53-I -125



135

Incident Energy (MeV)

53-I -125

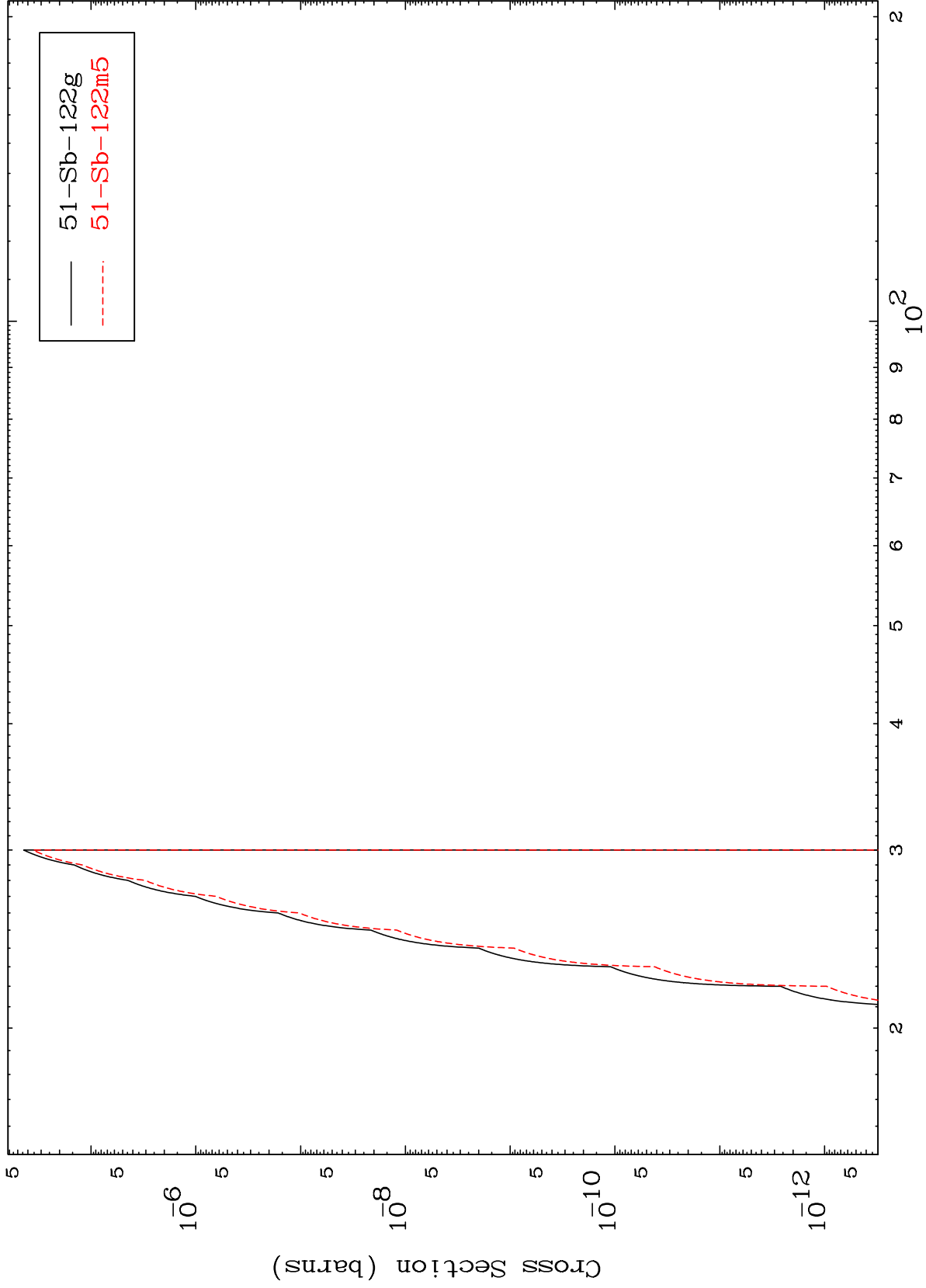


MAT 5319

(n, n') He-3

53-I -125

Radionuclide Production Cross Section



136

Incident Energy (MeV)

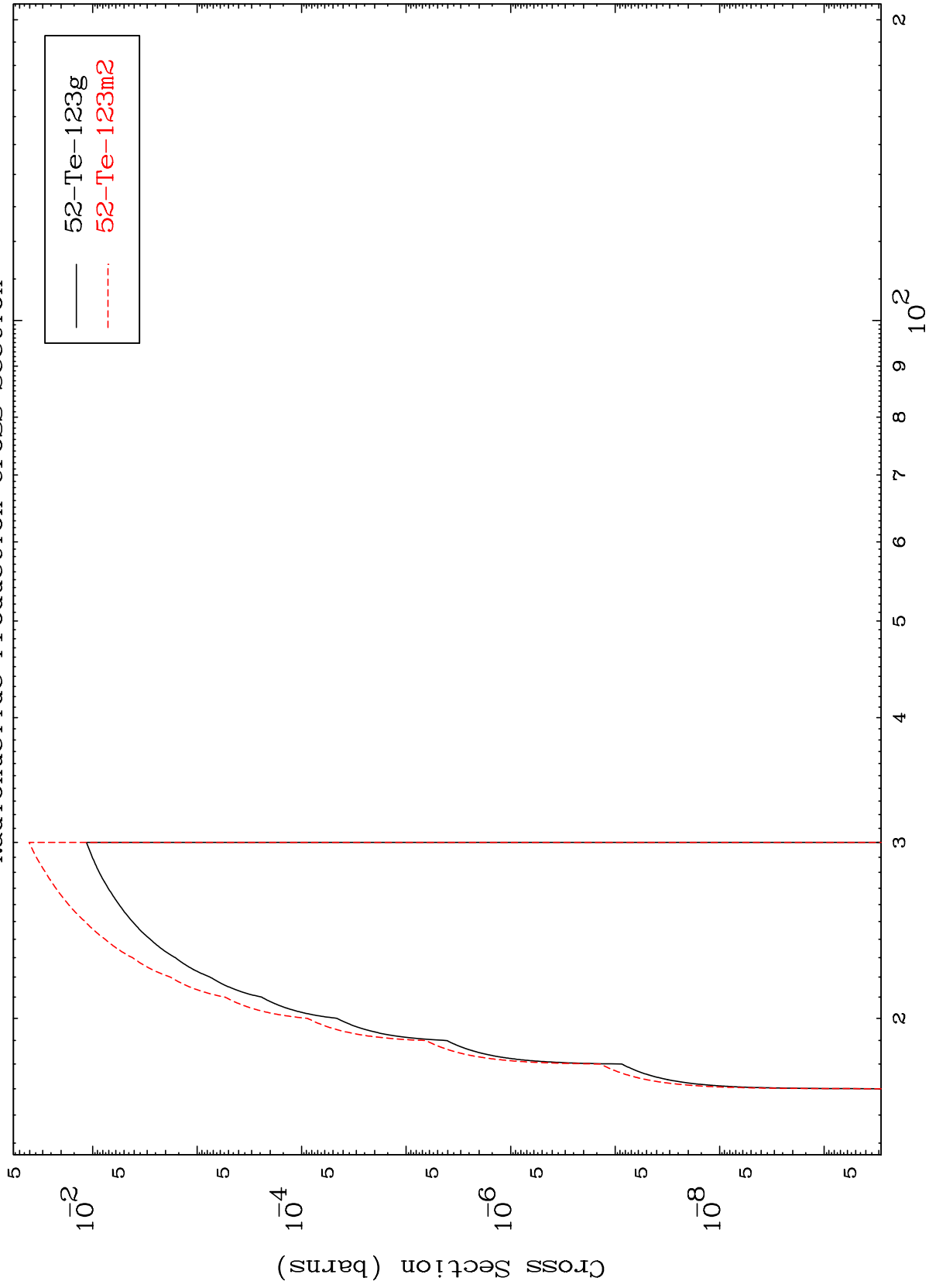
53-I -125

MAT 5319

(n,2n) p

53-I -125

Radionuclide Production Cross Section



137

Incident Energy (MeV)

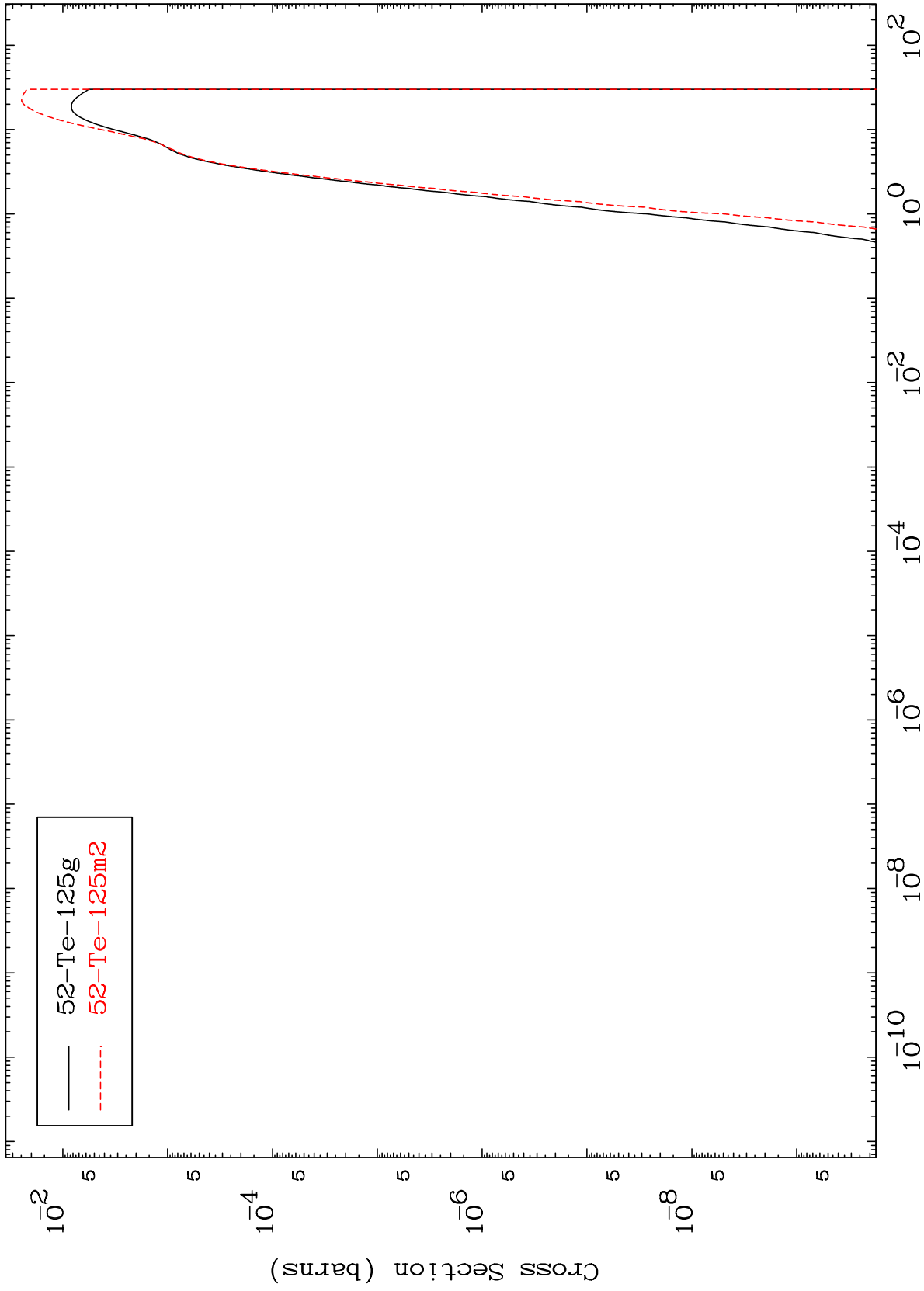
53-I -125

MAT 5319

(n,p)

53-I -125

Radionuclide Production Cross Section



138

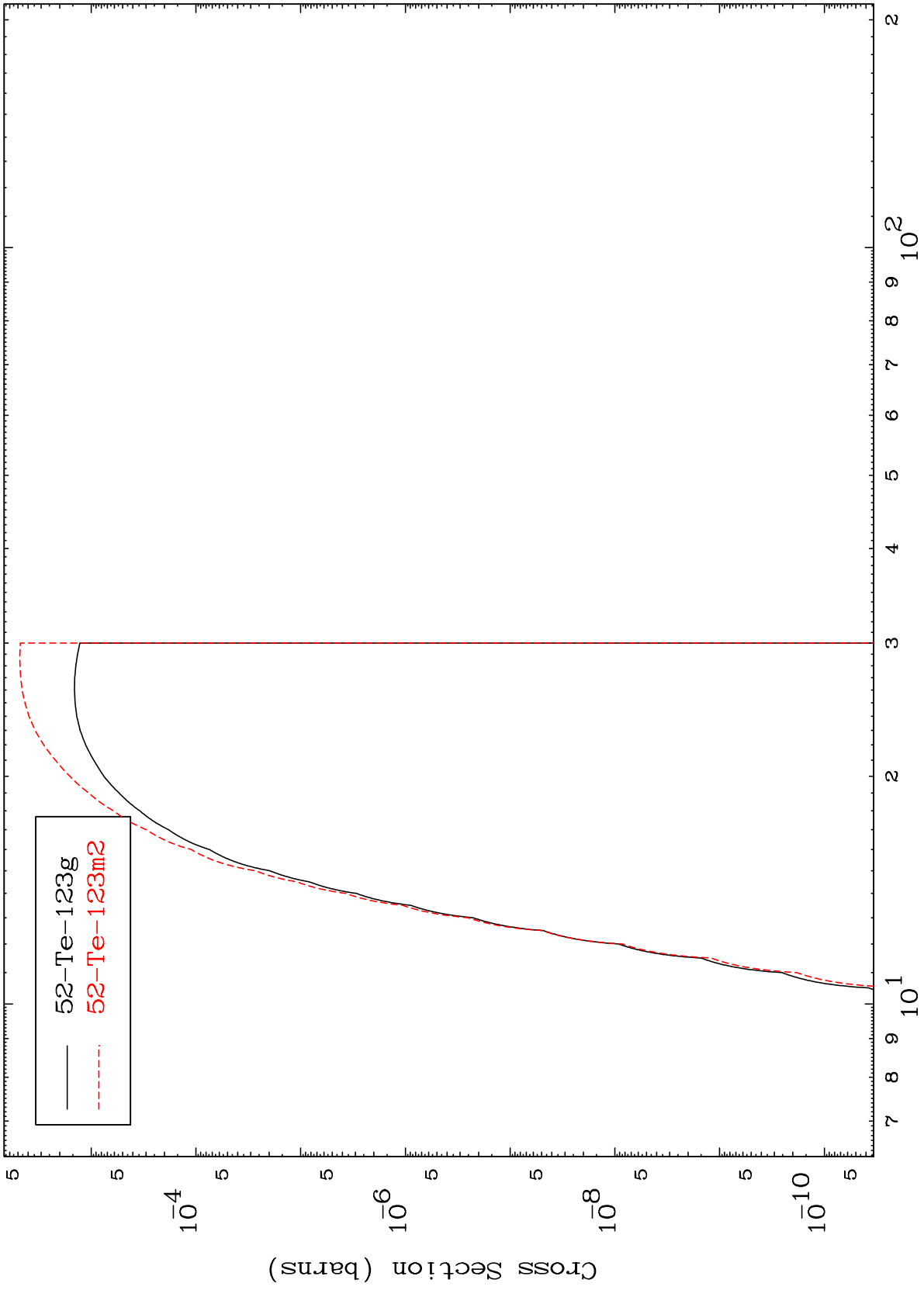
Incident Energy (MeV)

53-I -125

MAT 5319

53-I -125

(n,t)  
Radionuclide Production Cross Section



139

Incident Energy (MeV)

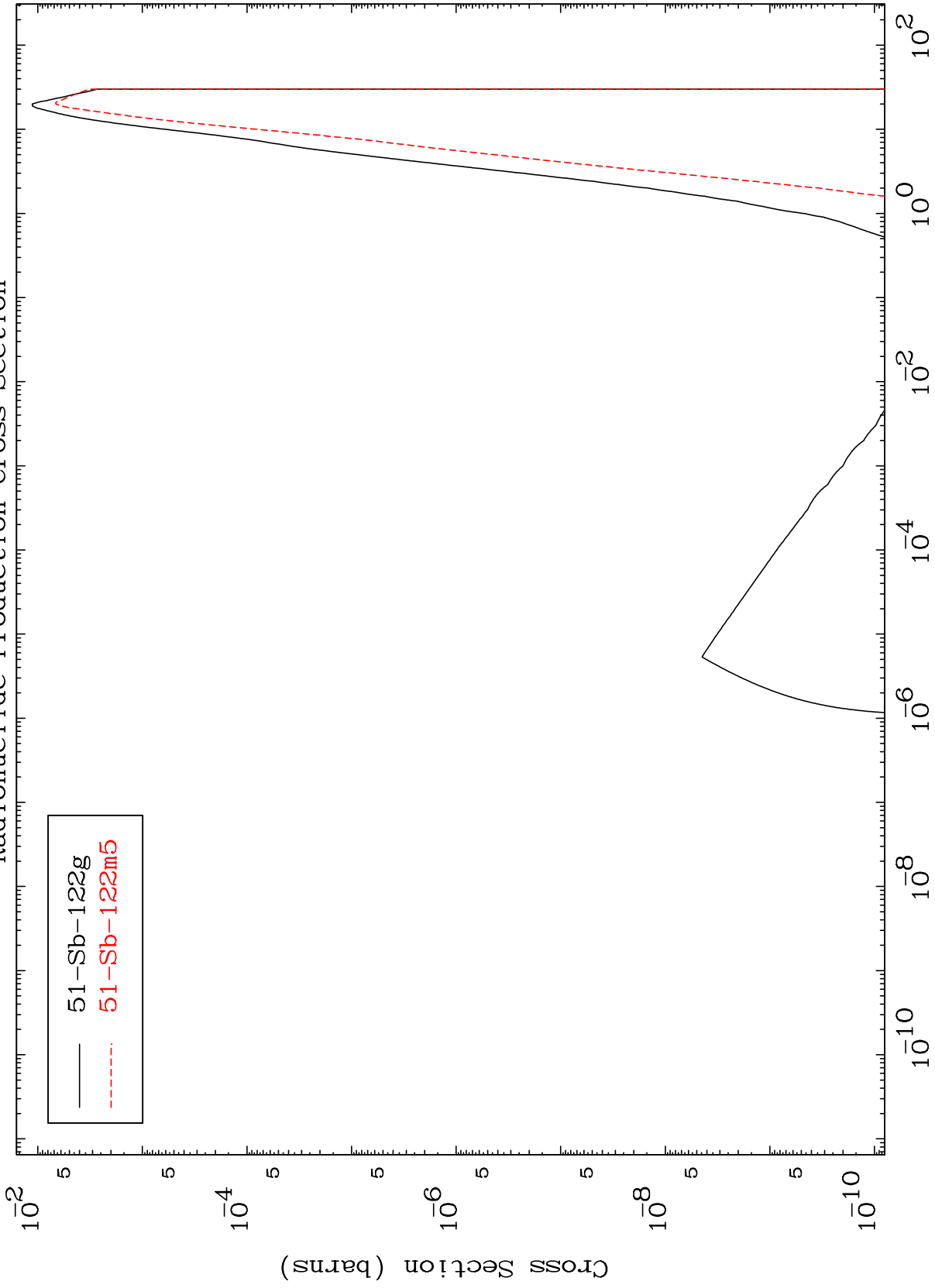
53-I -125

MAT 5319

(n,  $\alpha$ )

53-I -125

Radionuclide Production Cross Section



— 51-Sb-122g  
- - - 51-Sb-122m5

140

Incident Energy (MeV)

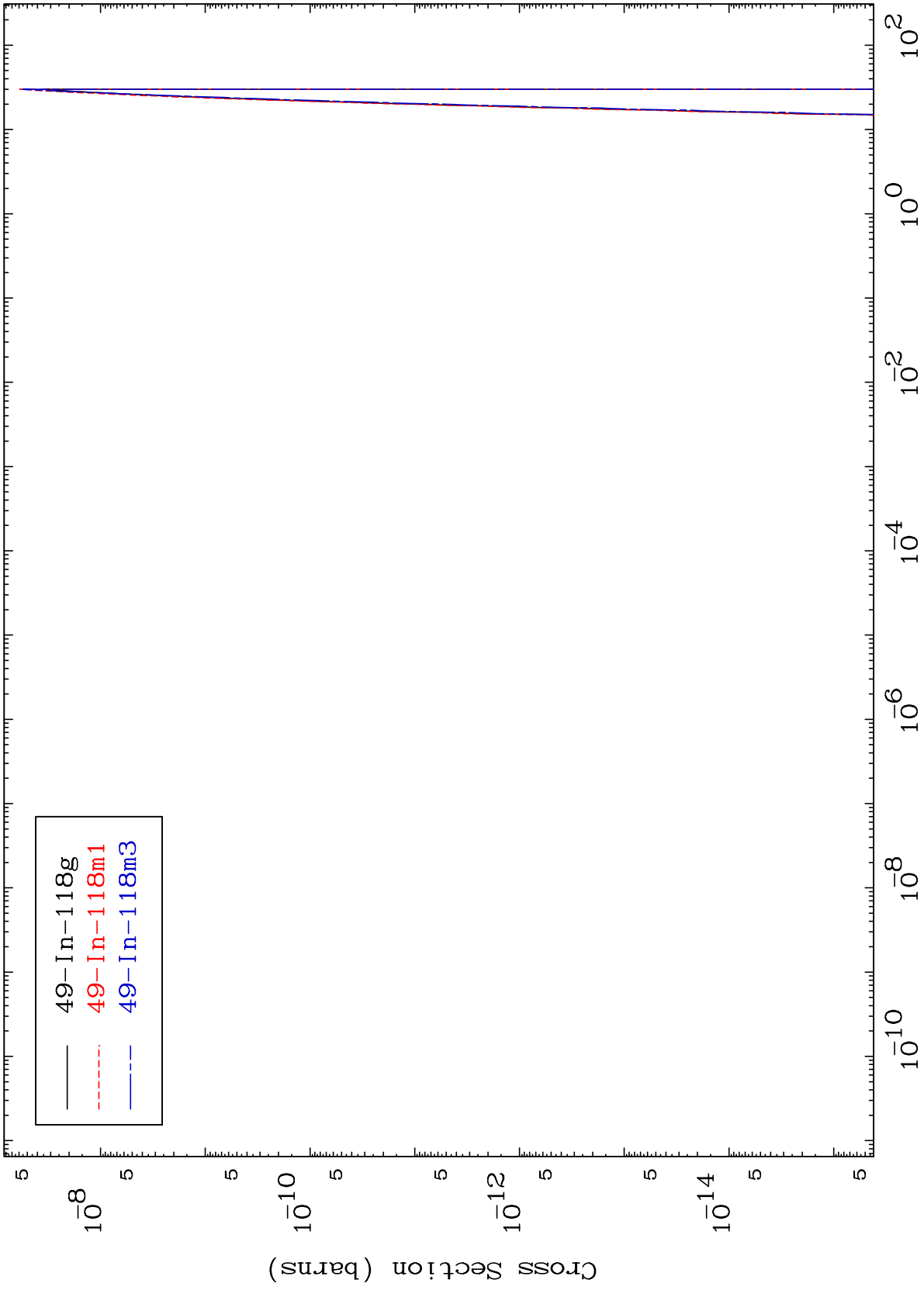
53-I -125

MAT 5319

(n,2α)

53-I -125

Radionuclide Production Cross Section



141

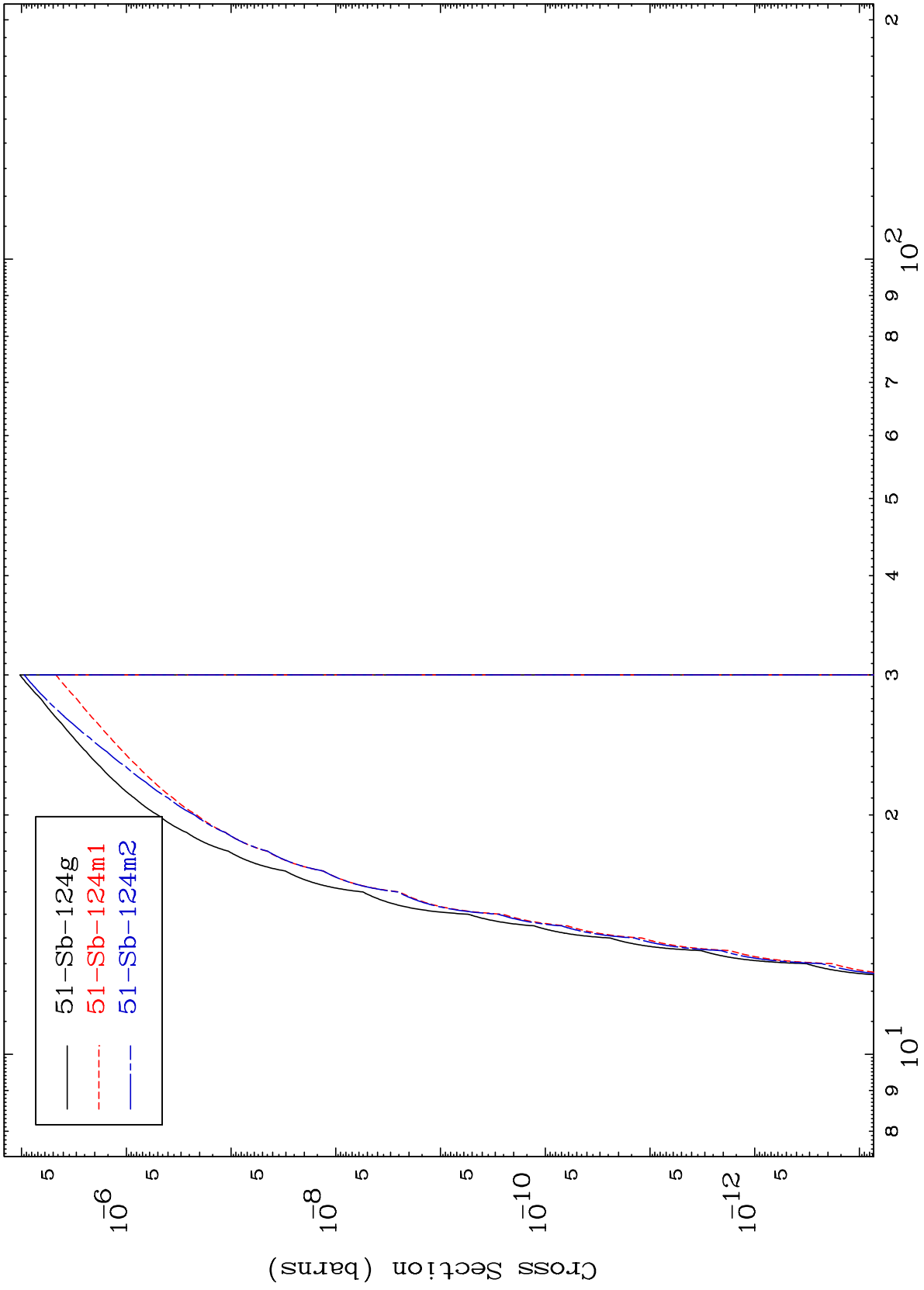
Incident Energy (MeV)

53-I -125

MAT 5319

53-I -125

Radionuclide Production Cross Section (n,2p)



142

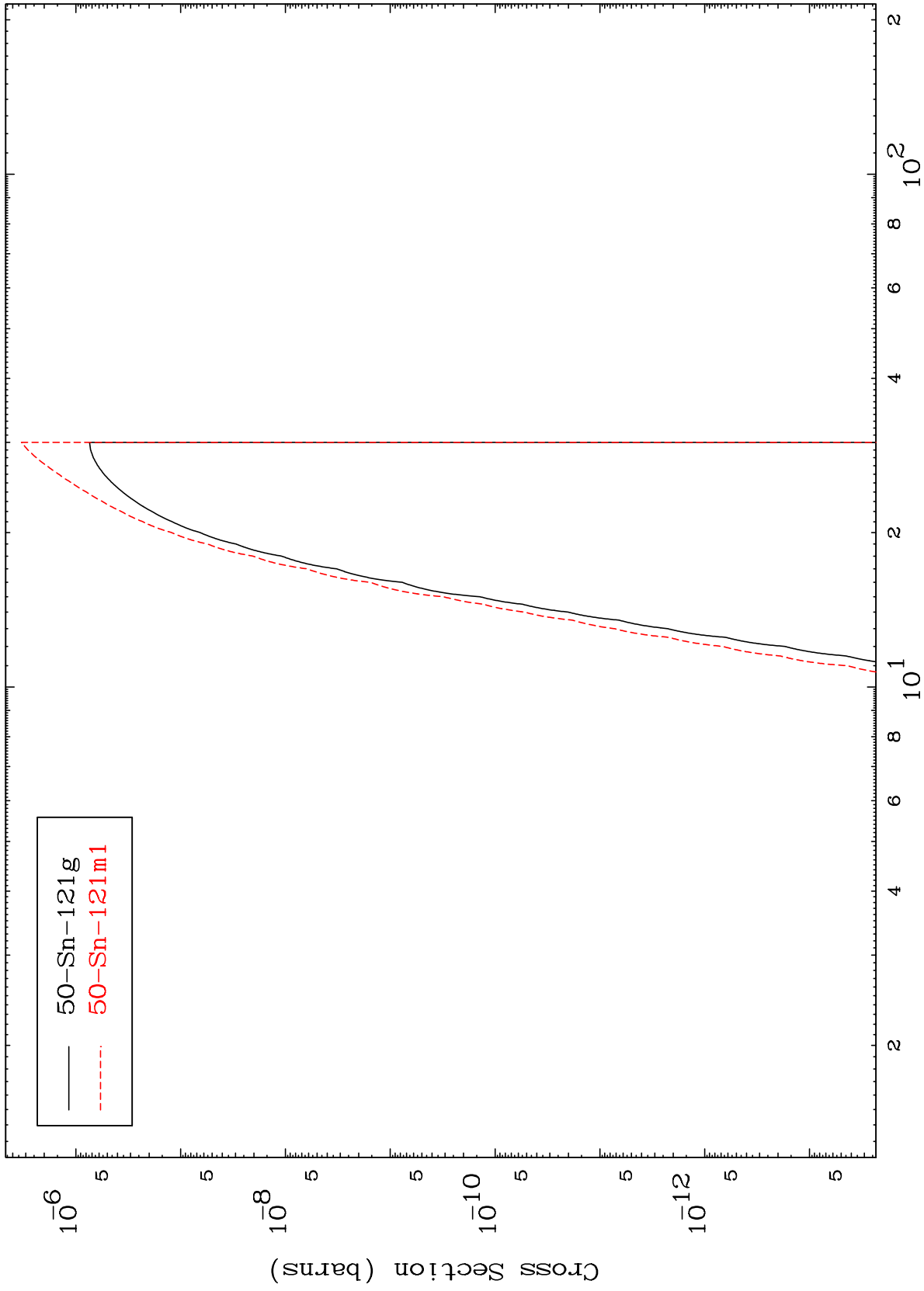
53-I -125

MAT 5319

(n,p)  $\alpha$

53-I -125

Radionuclide Production Cross Section



143

Incident Energy (MeV)

53-I -125



Radionuclide Production Cross Section

