

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

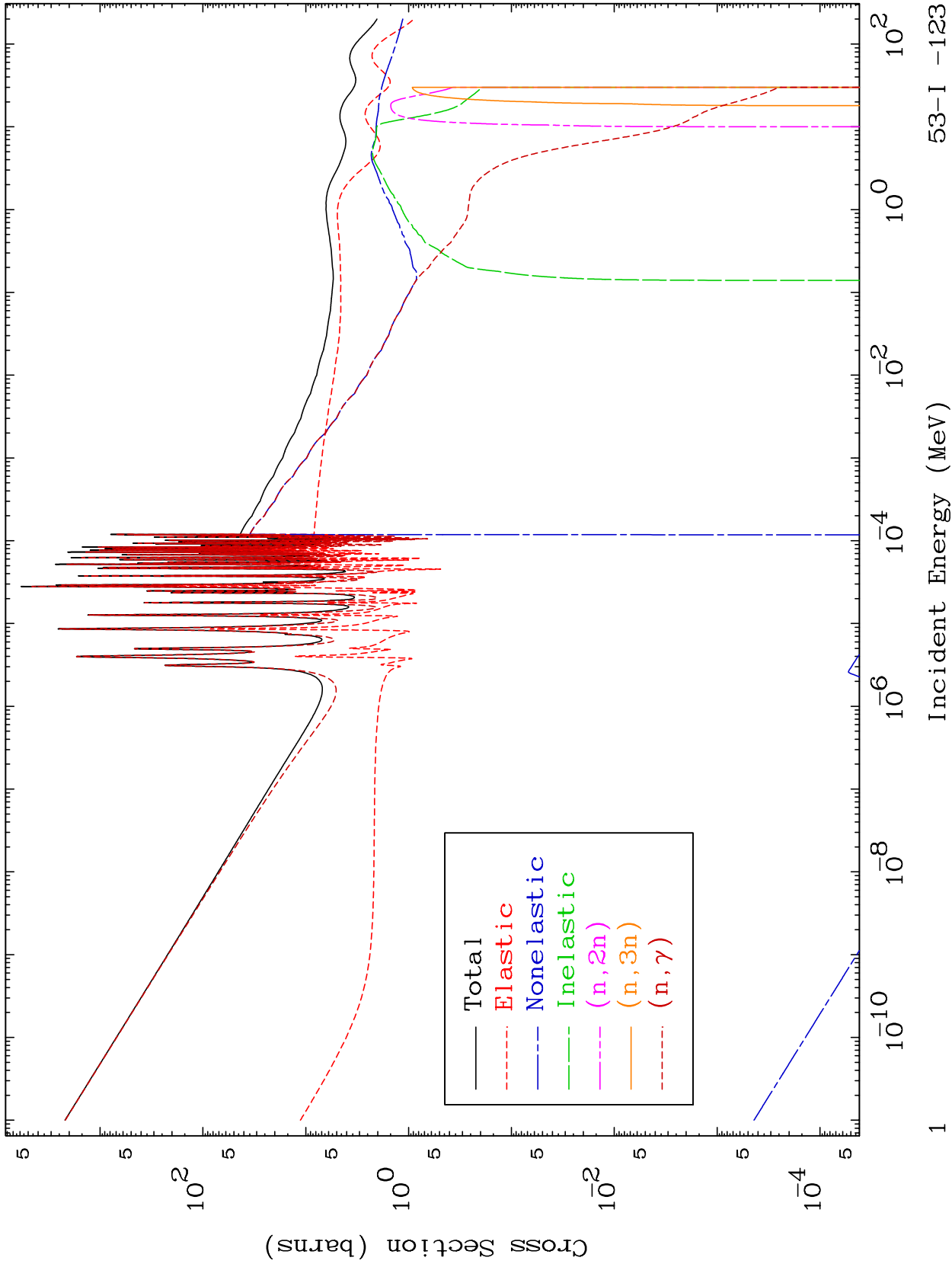
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

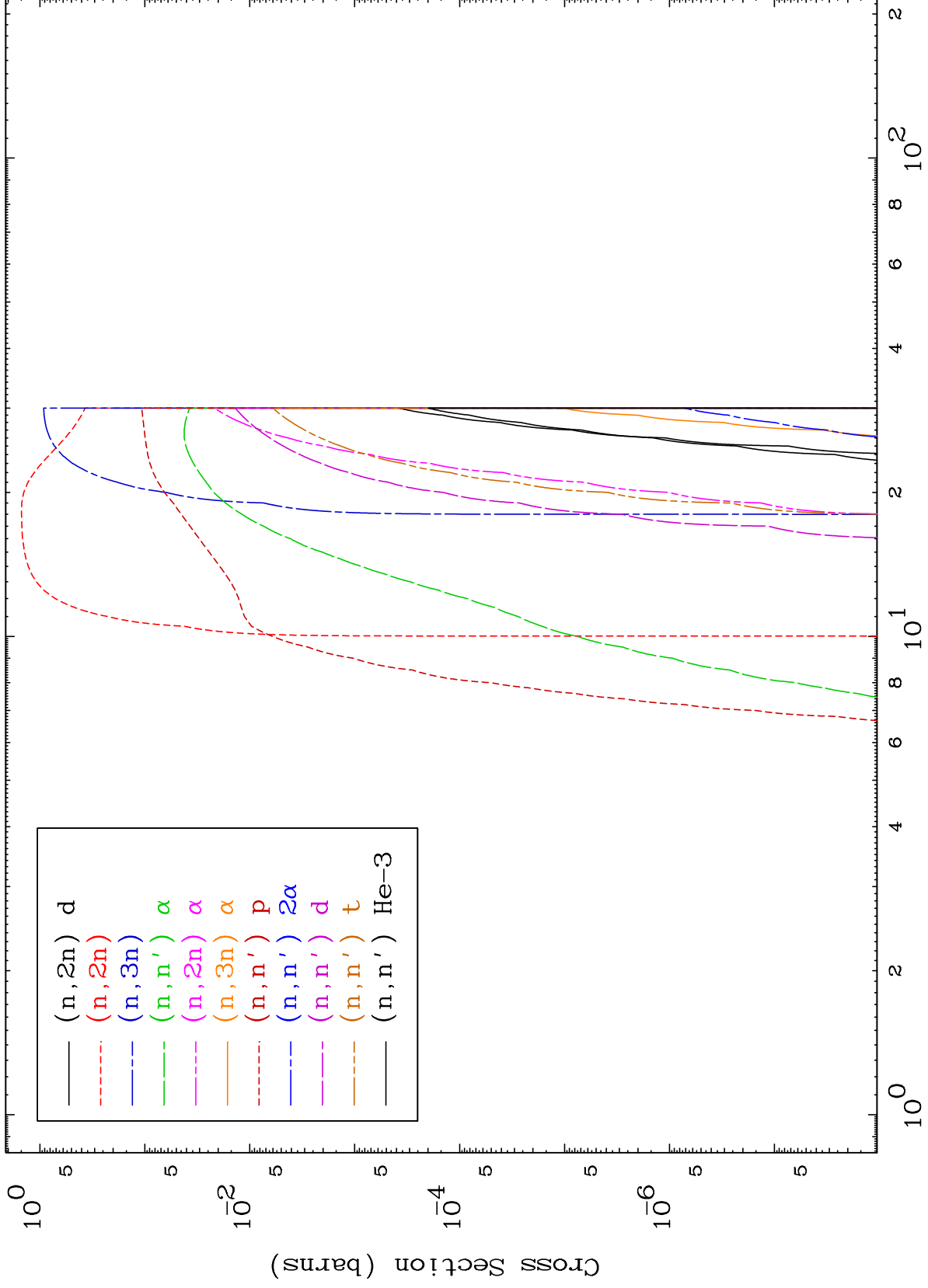
Tele: 925-443-1911

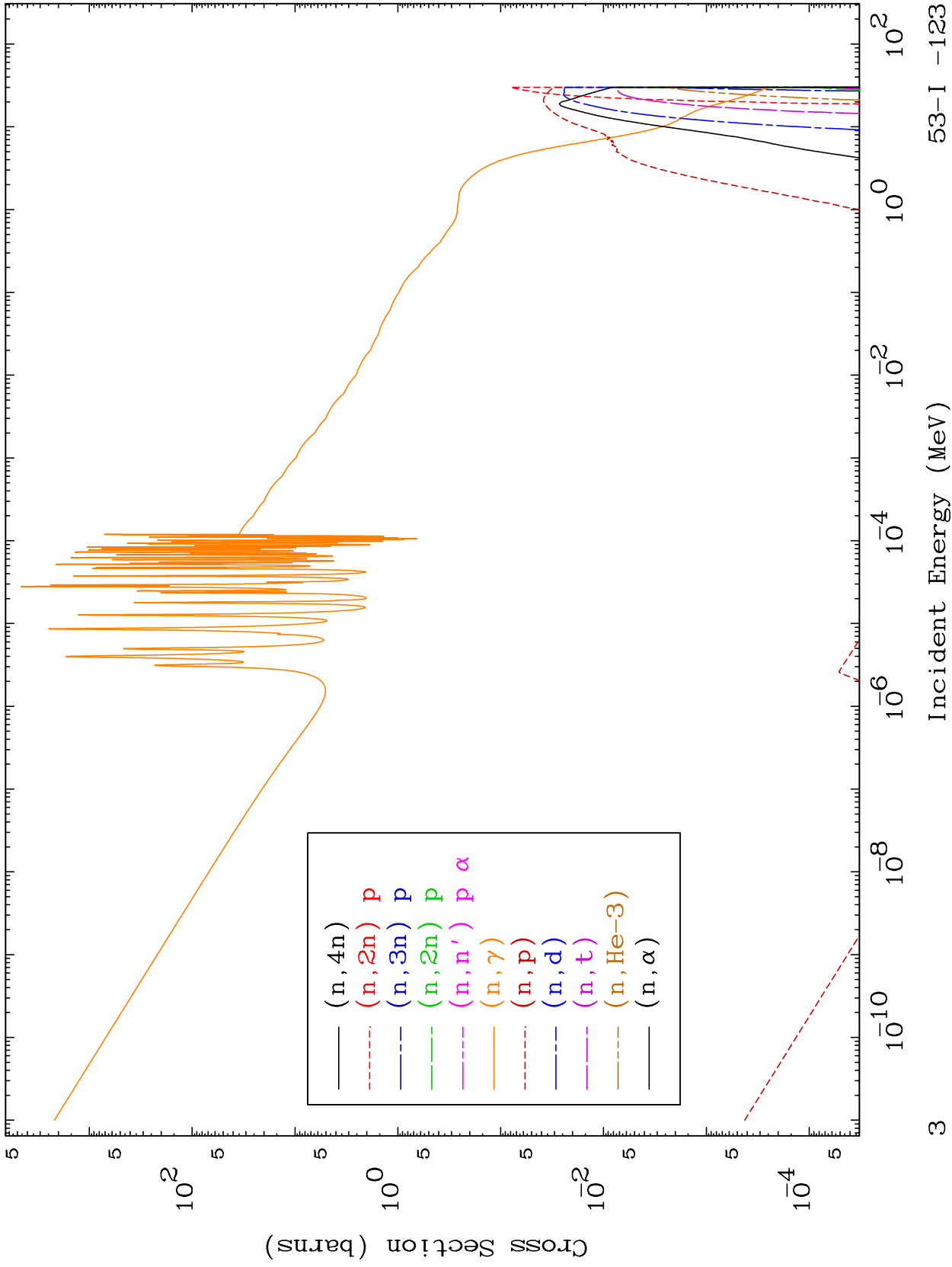
E.Mail:redcullen1@comcast.net

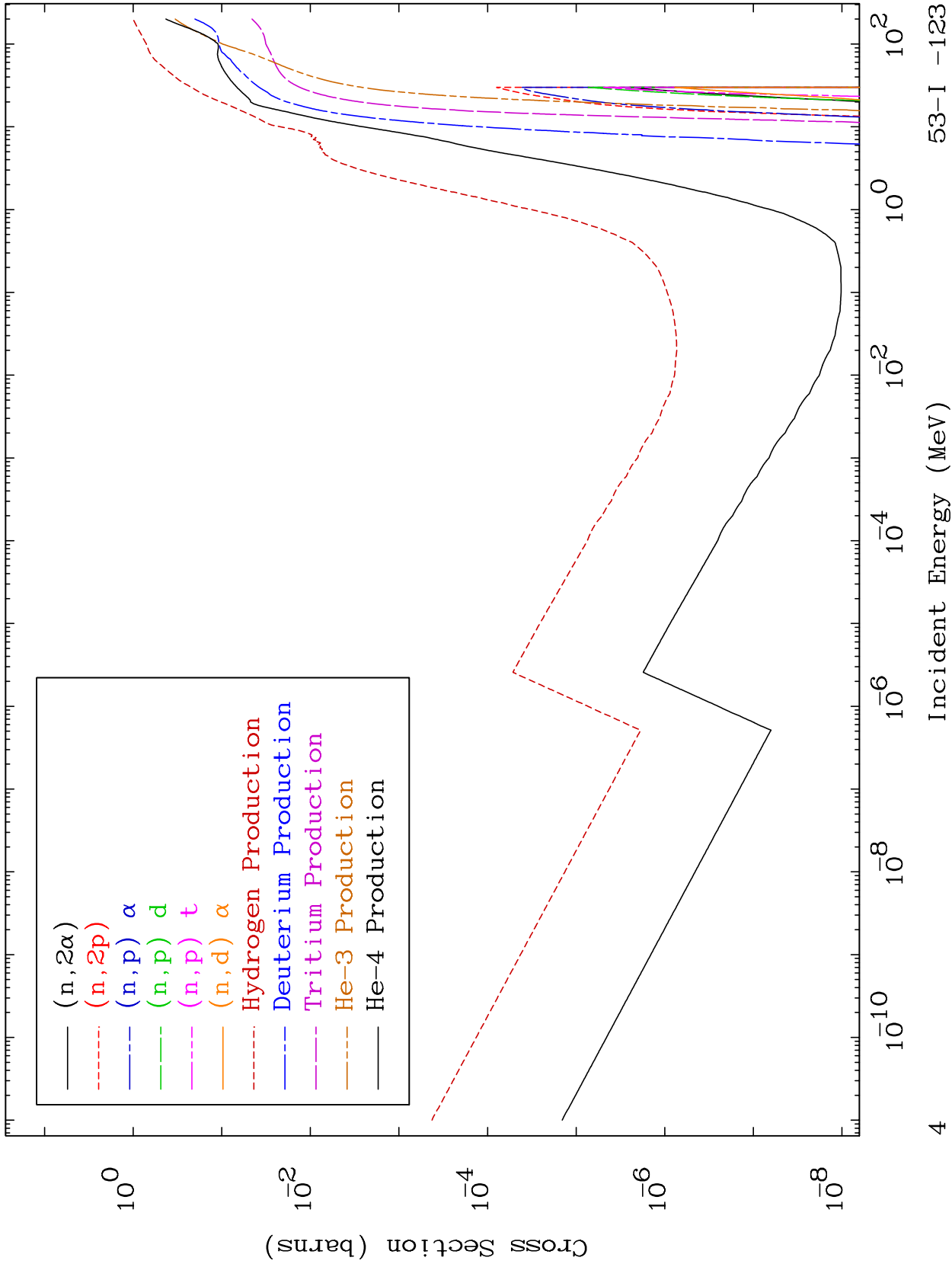
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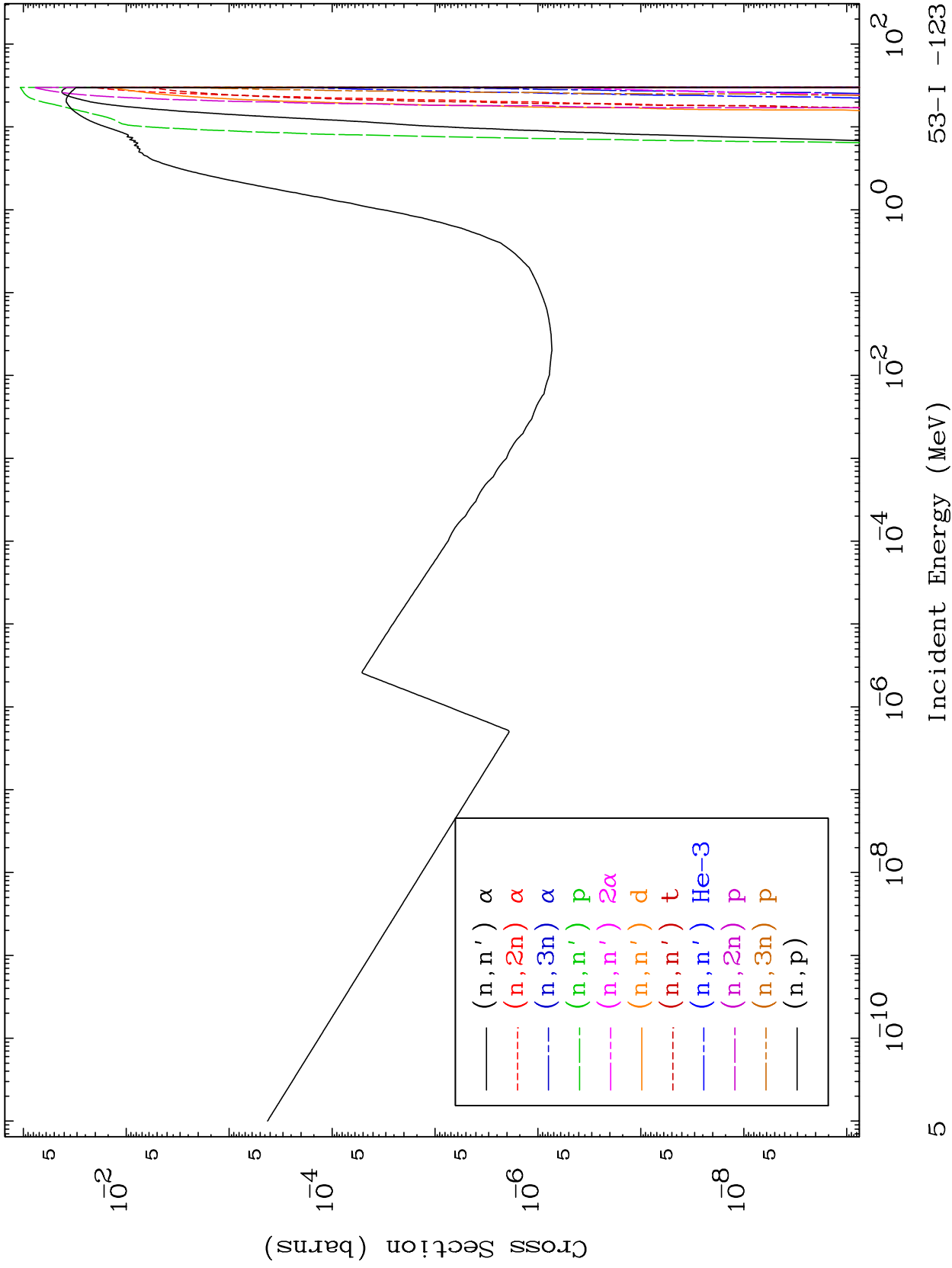
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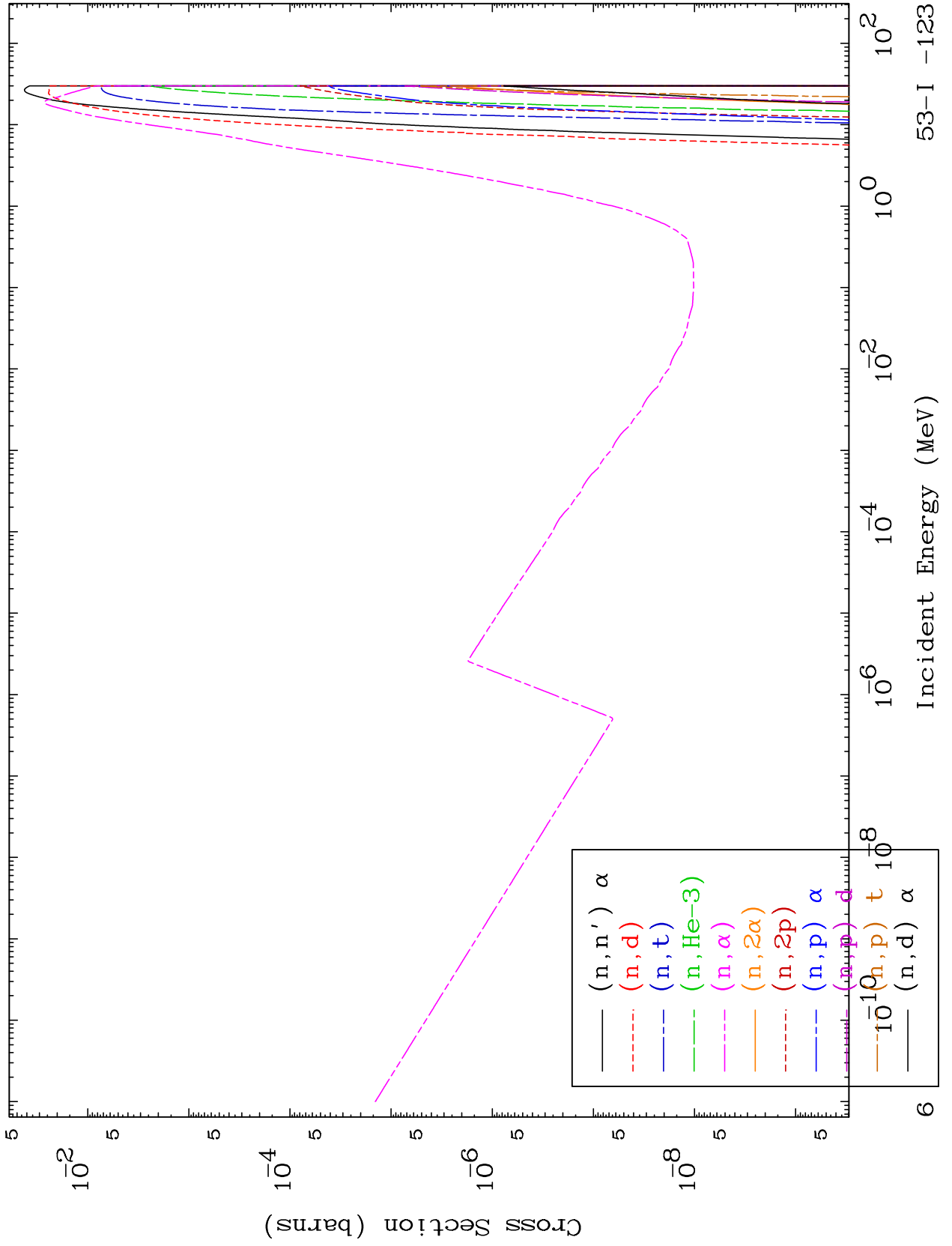


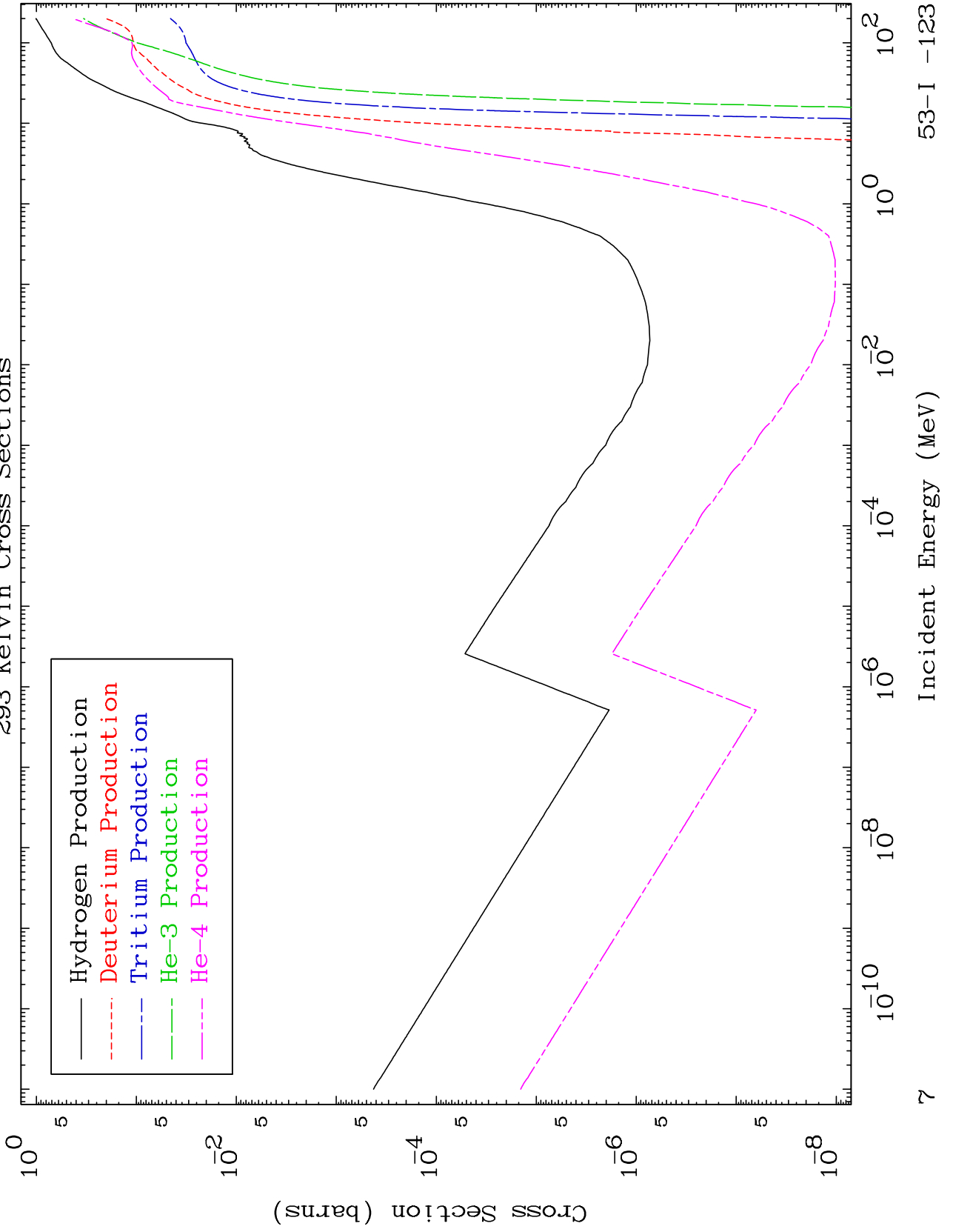


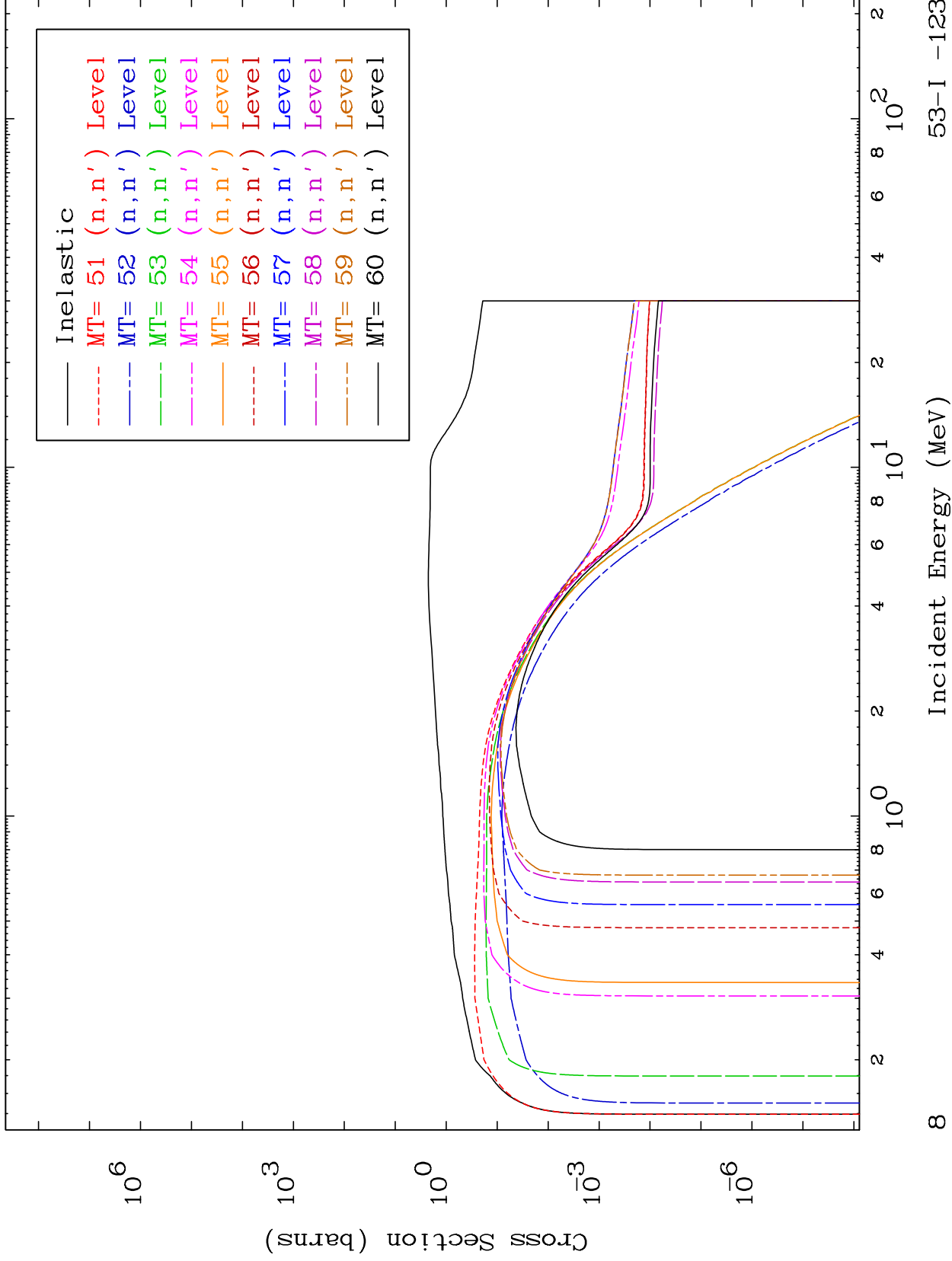


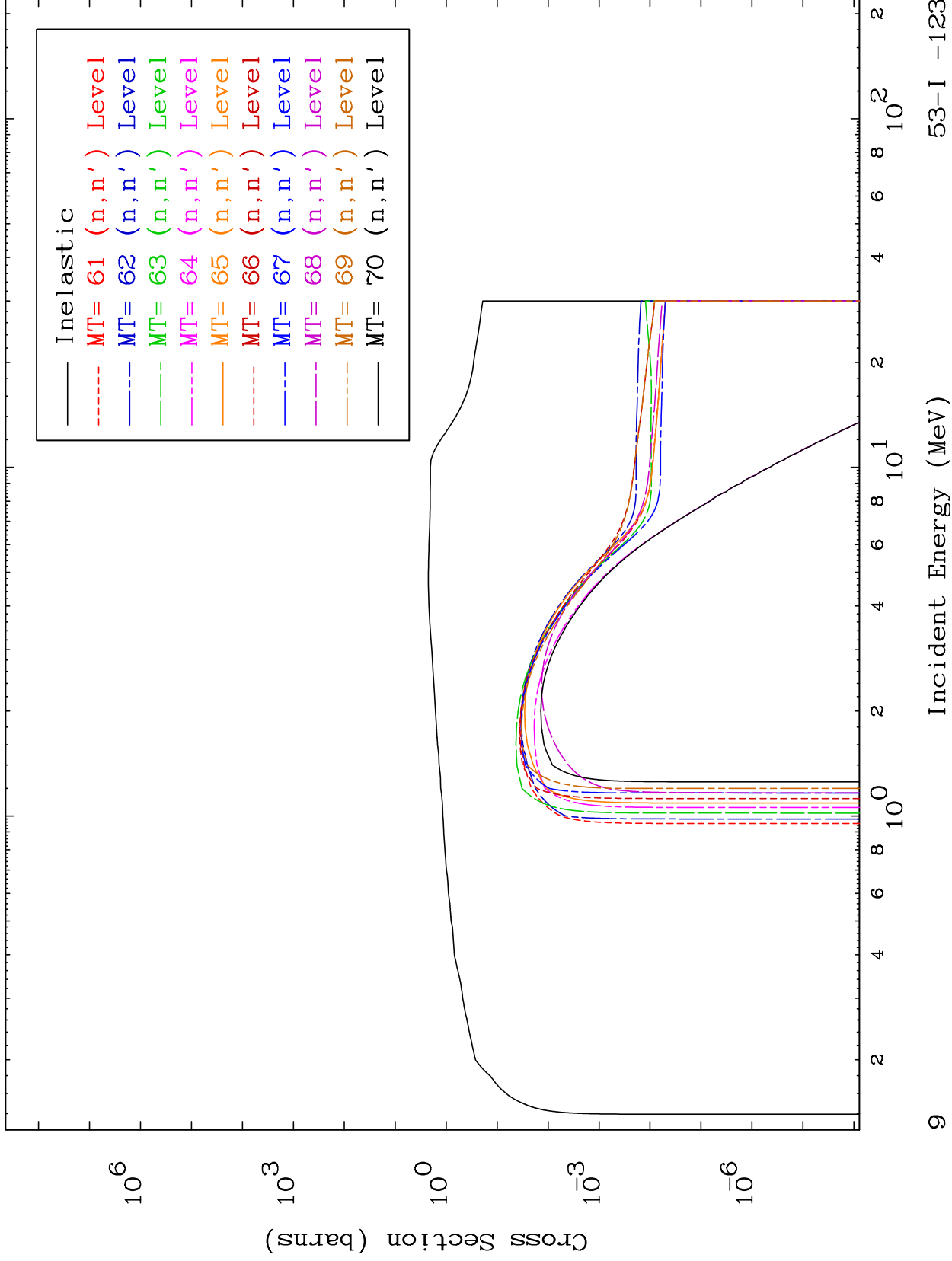


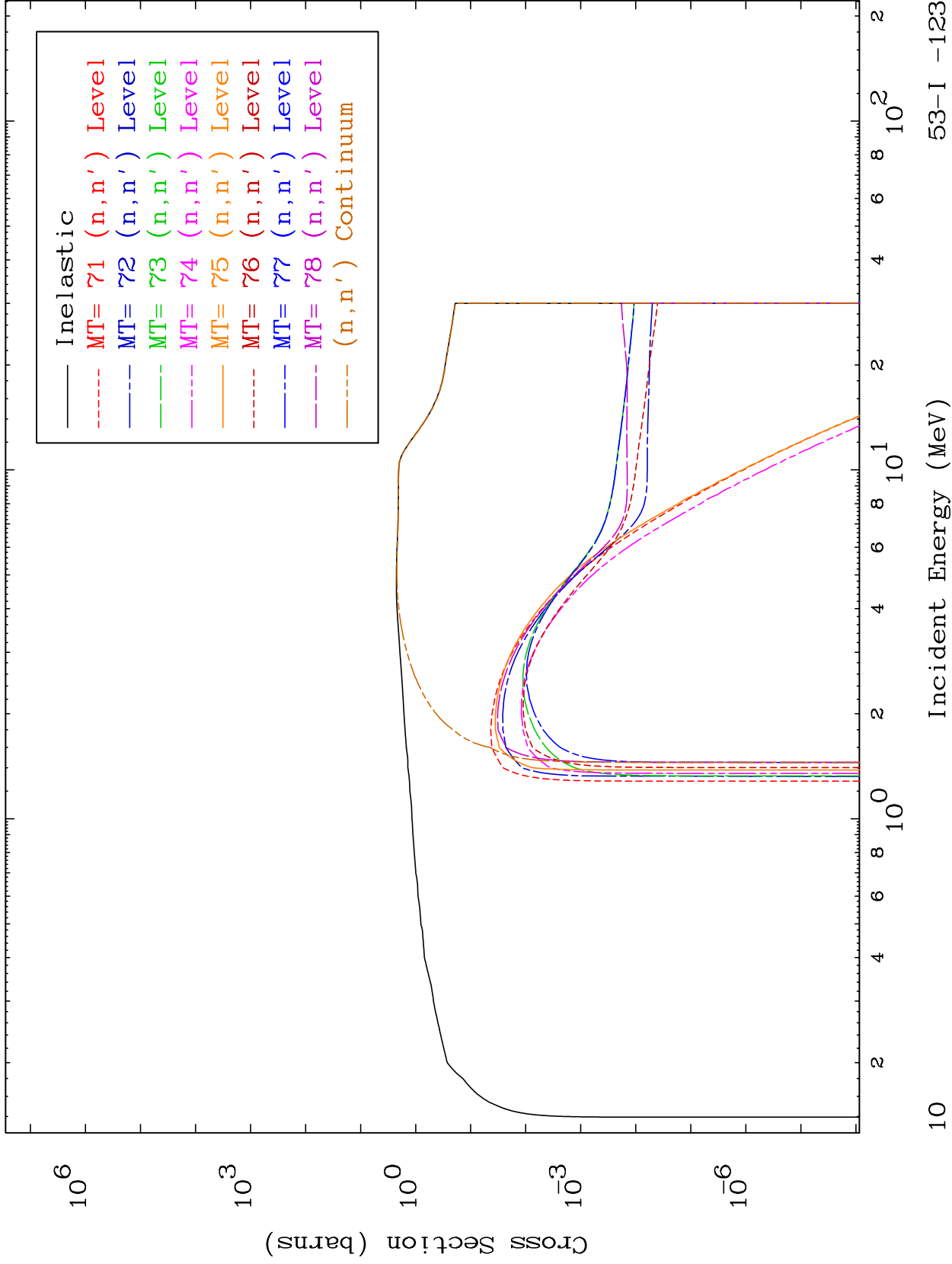








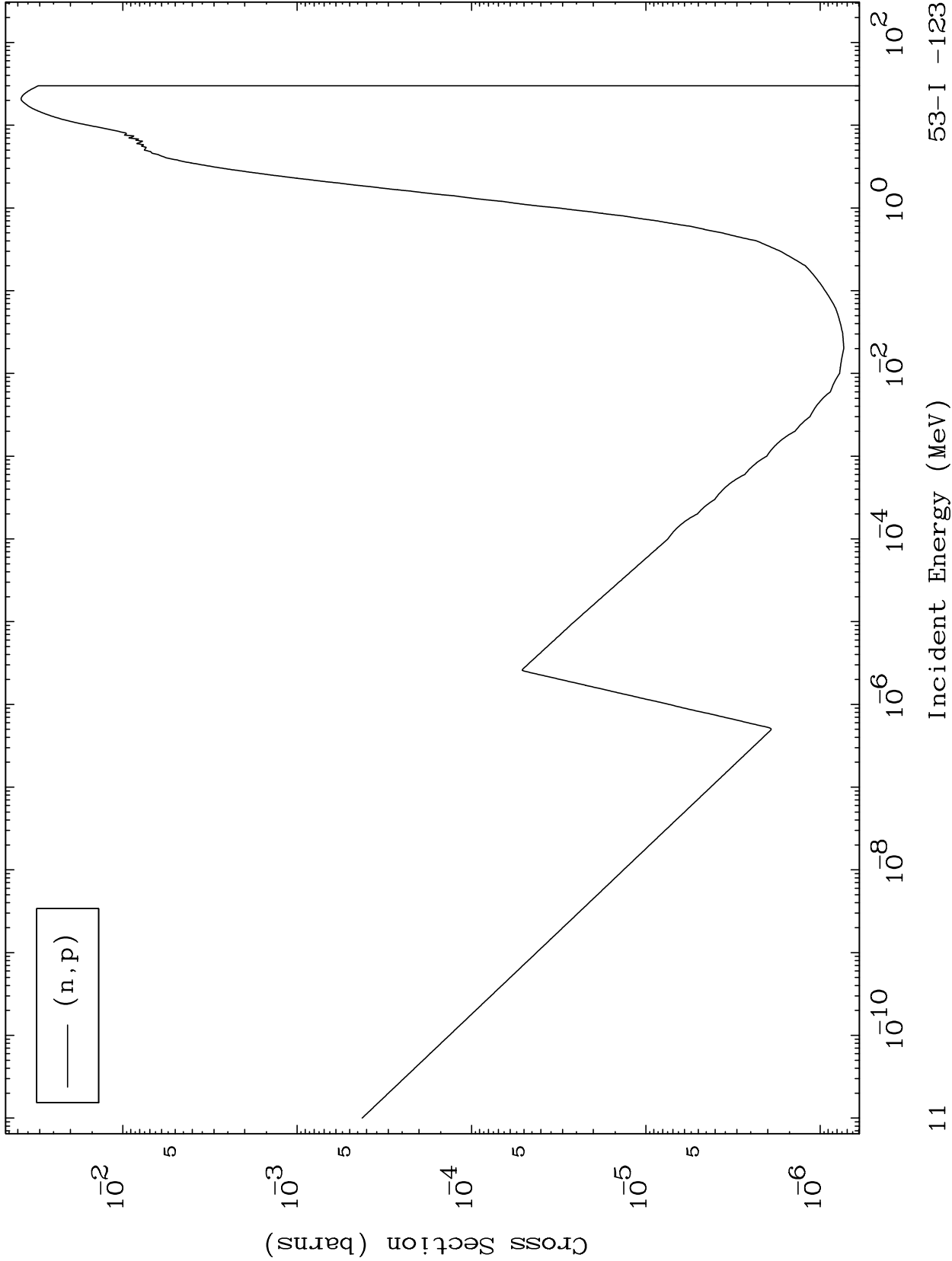


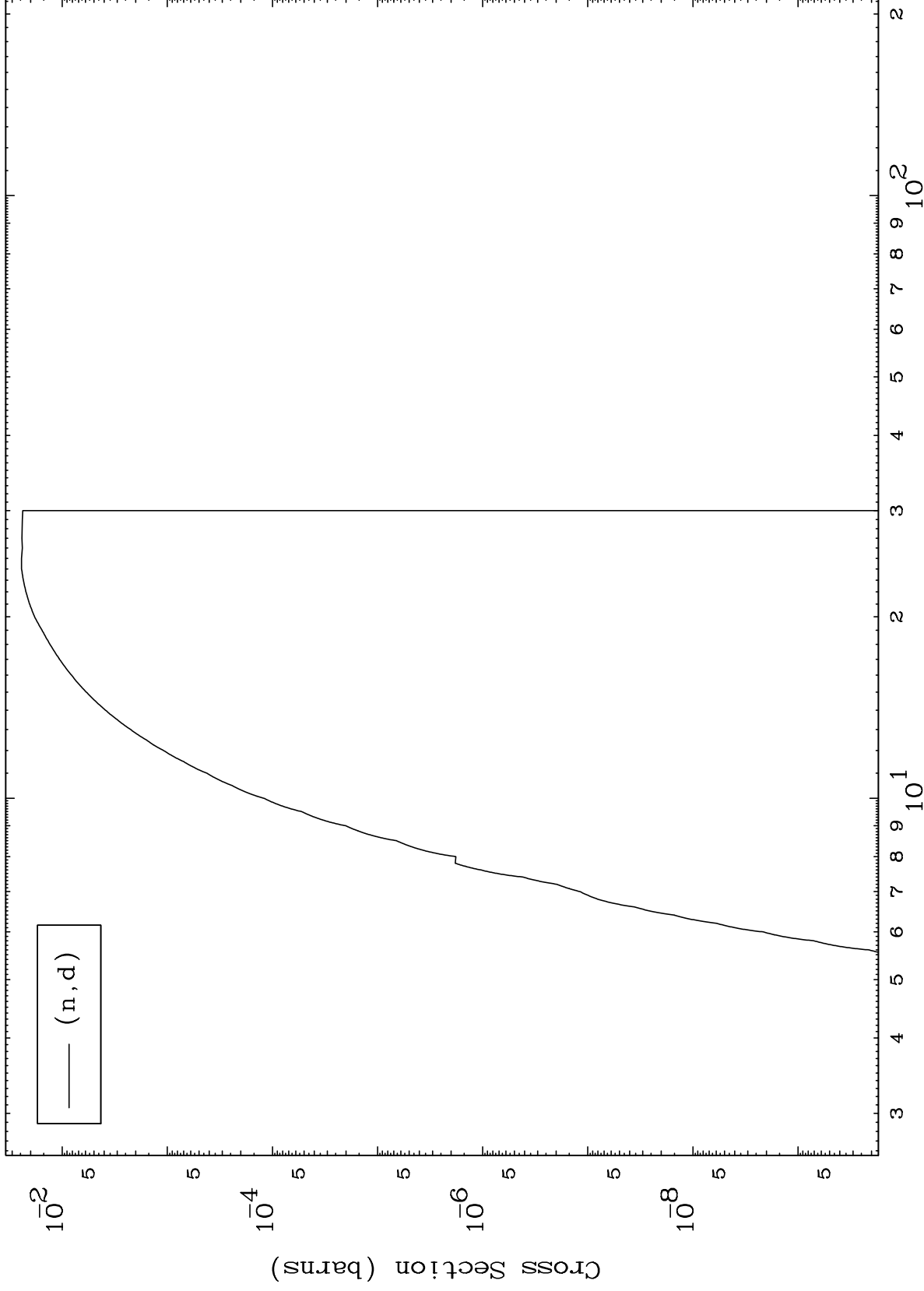


MAT 5313

(n,p) Levels
293 Kelvin Cross Sections

53-I -123

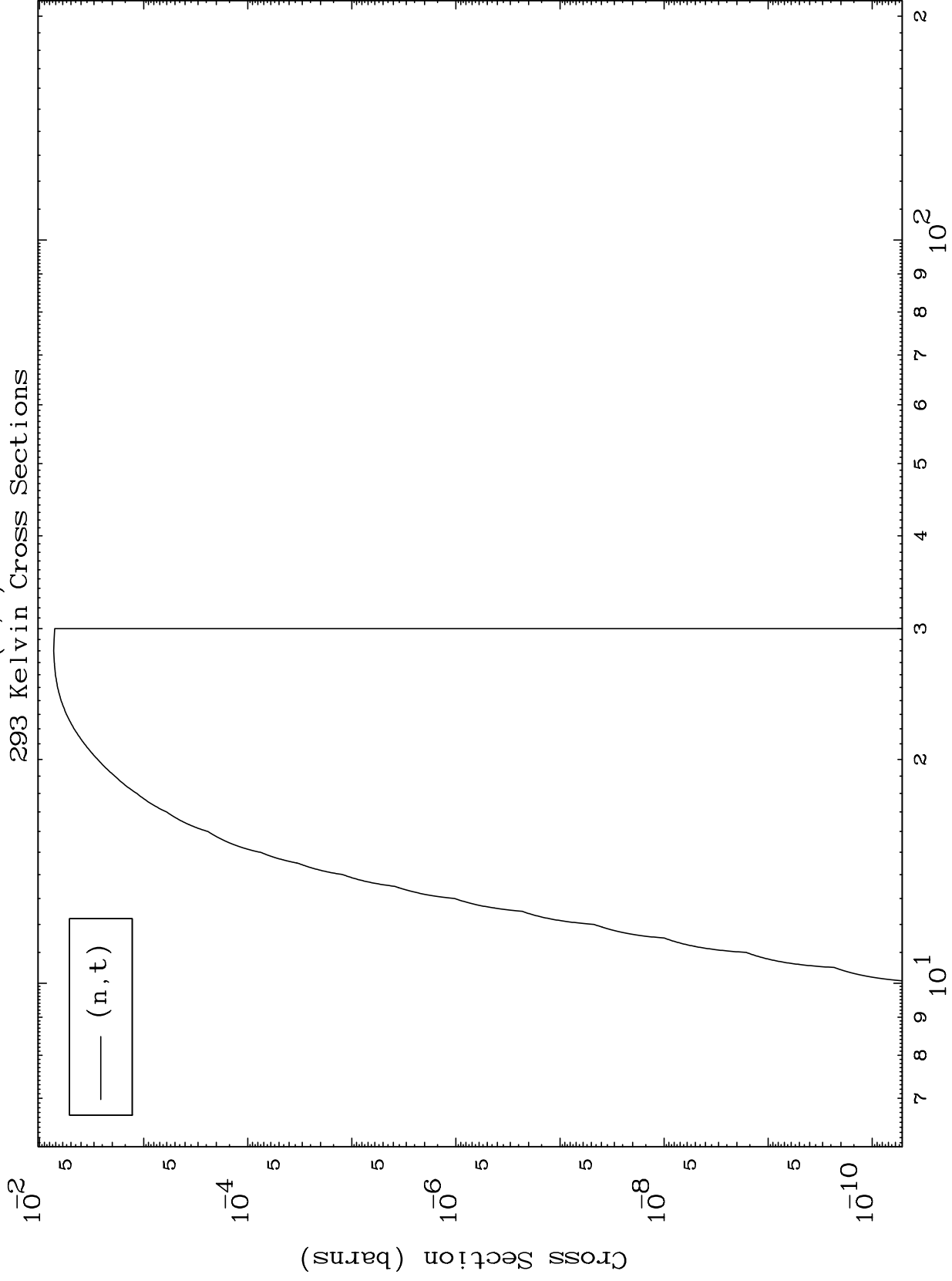




MAT 5313

(n,t) Levels
293 Kelvin Cross Sections

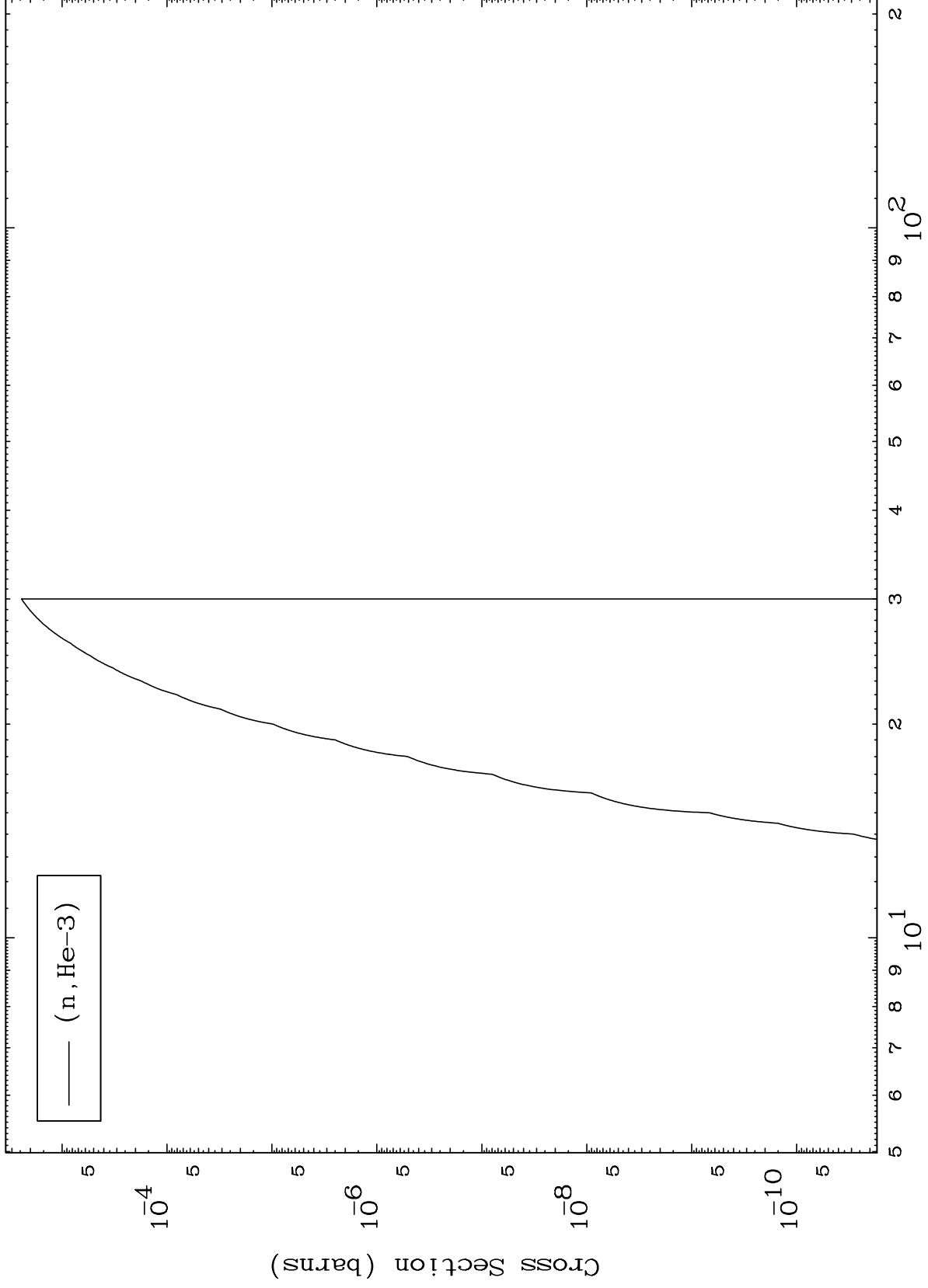
53-I -123



13

Incident Energy (MeV)

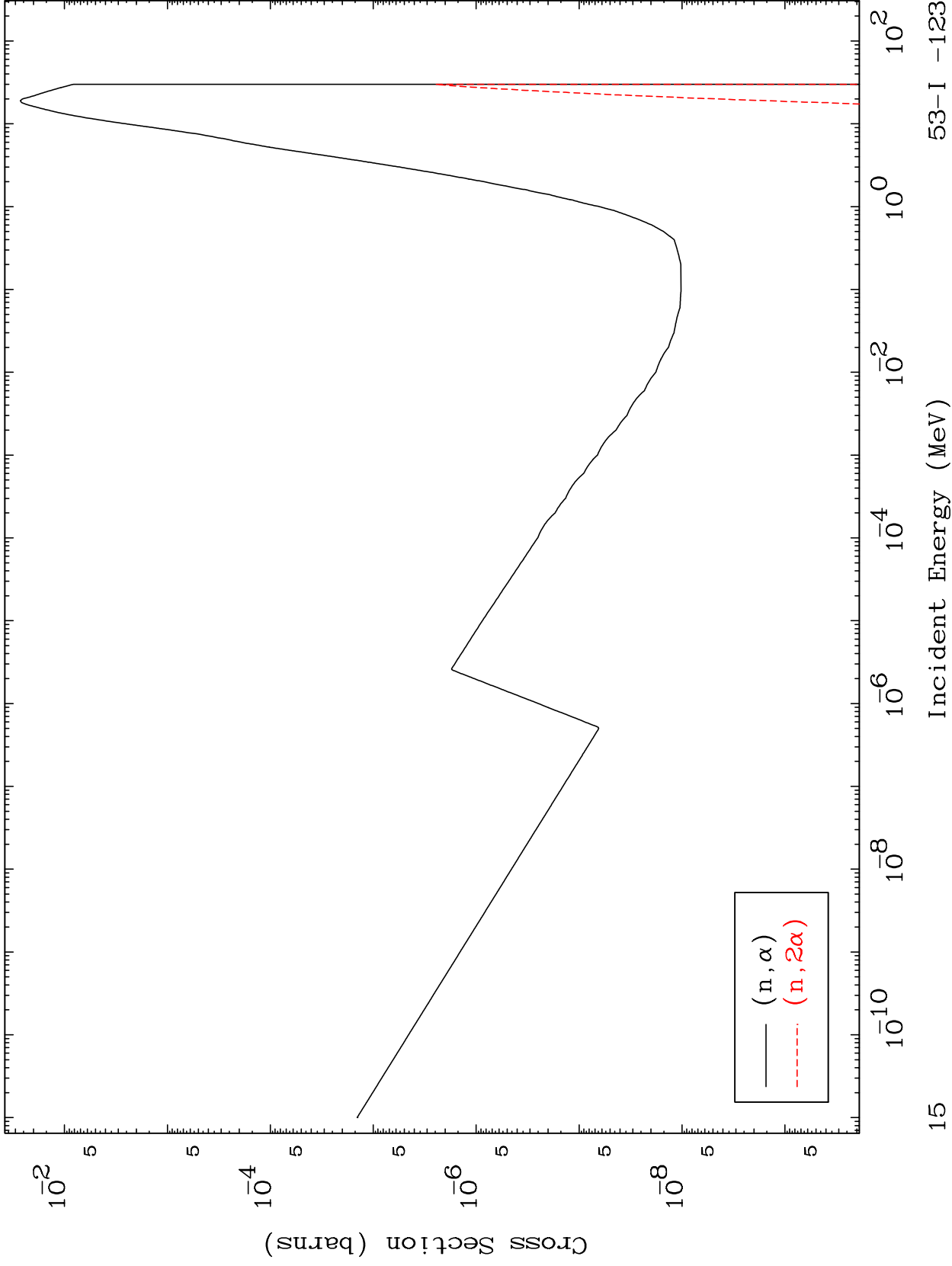
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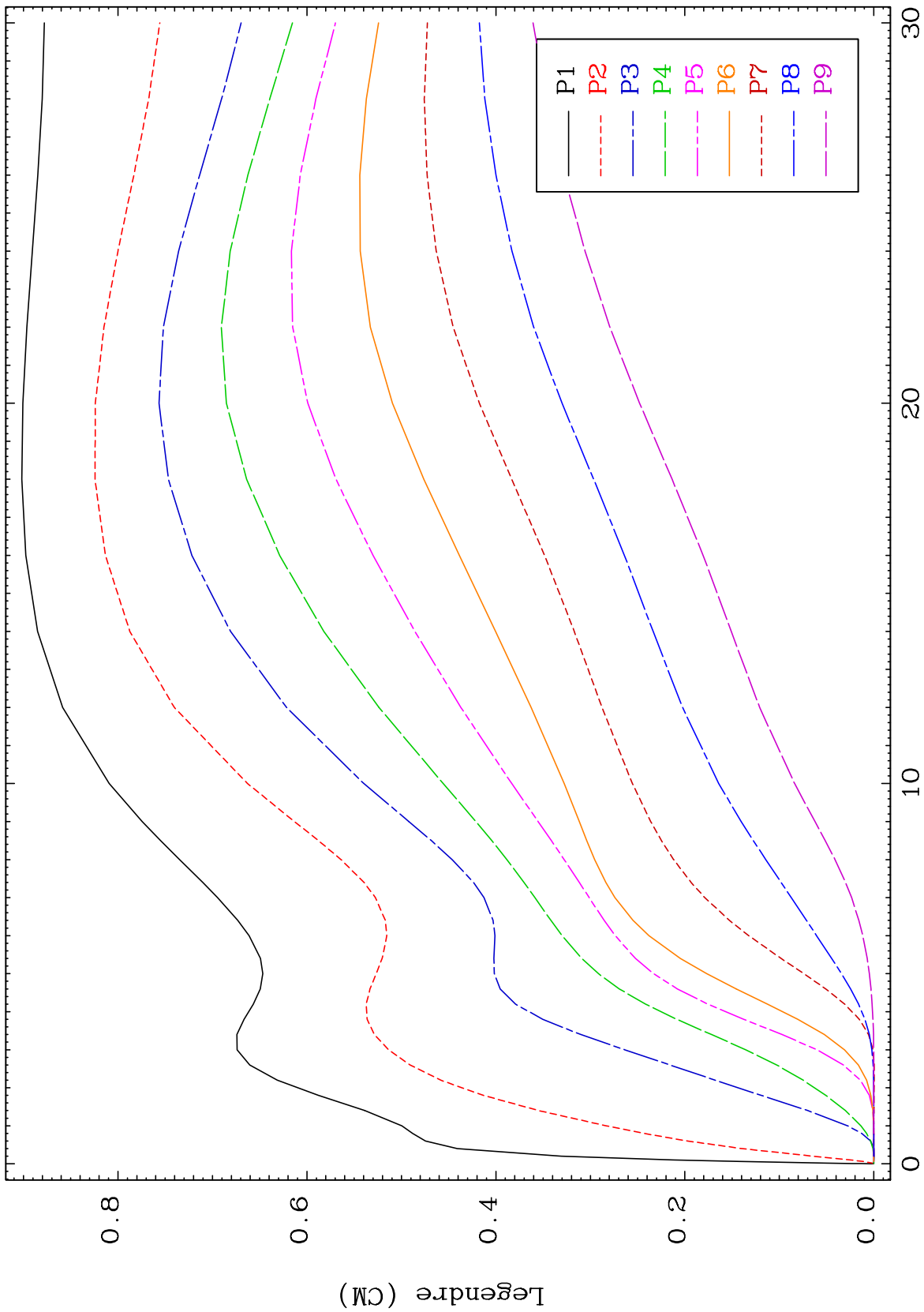


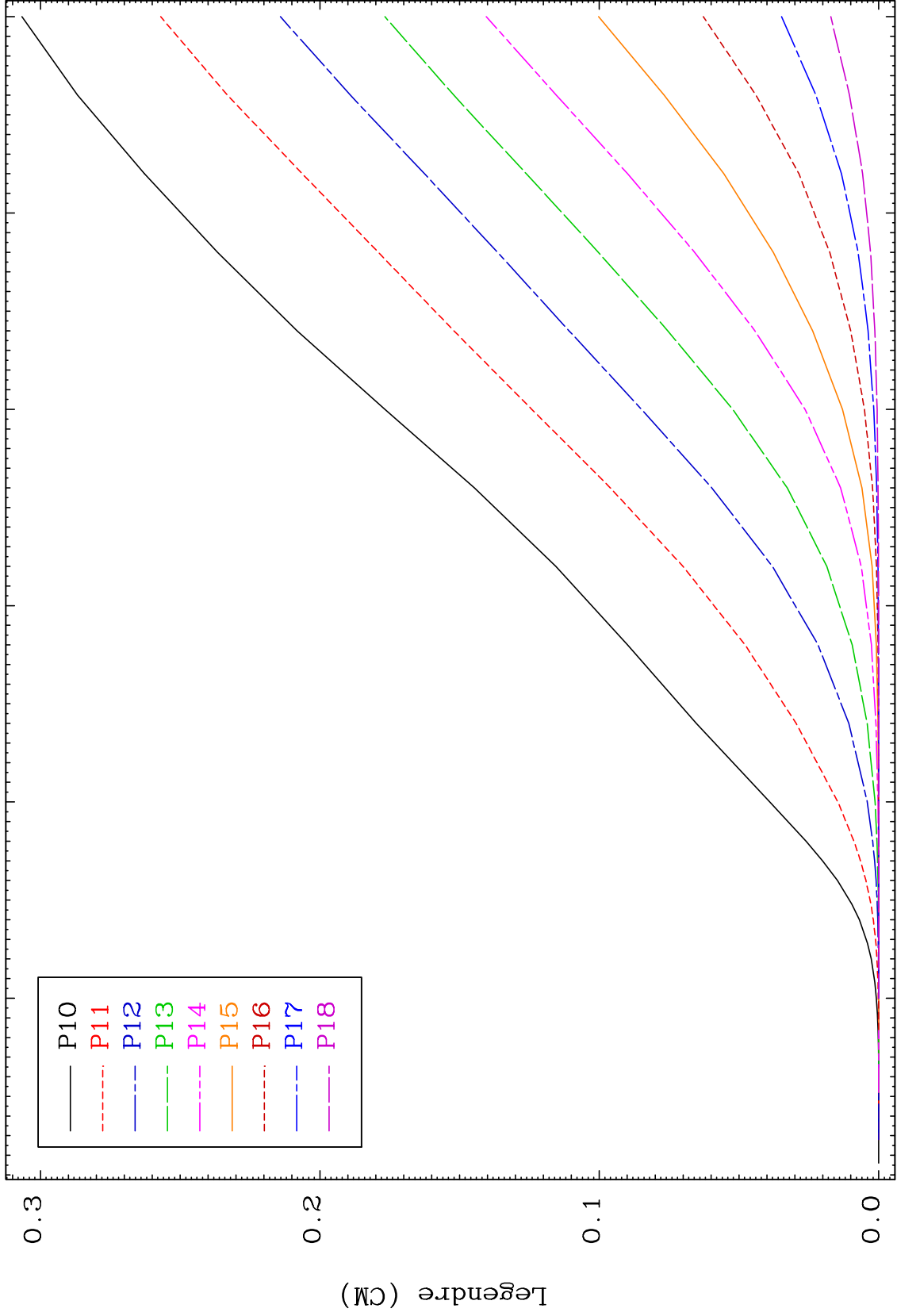
MAT 5313

(n, α) Levels
293 Kelvin Cross Sections

53-I -123



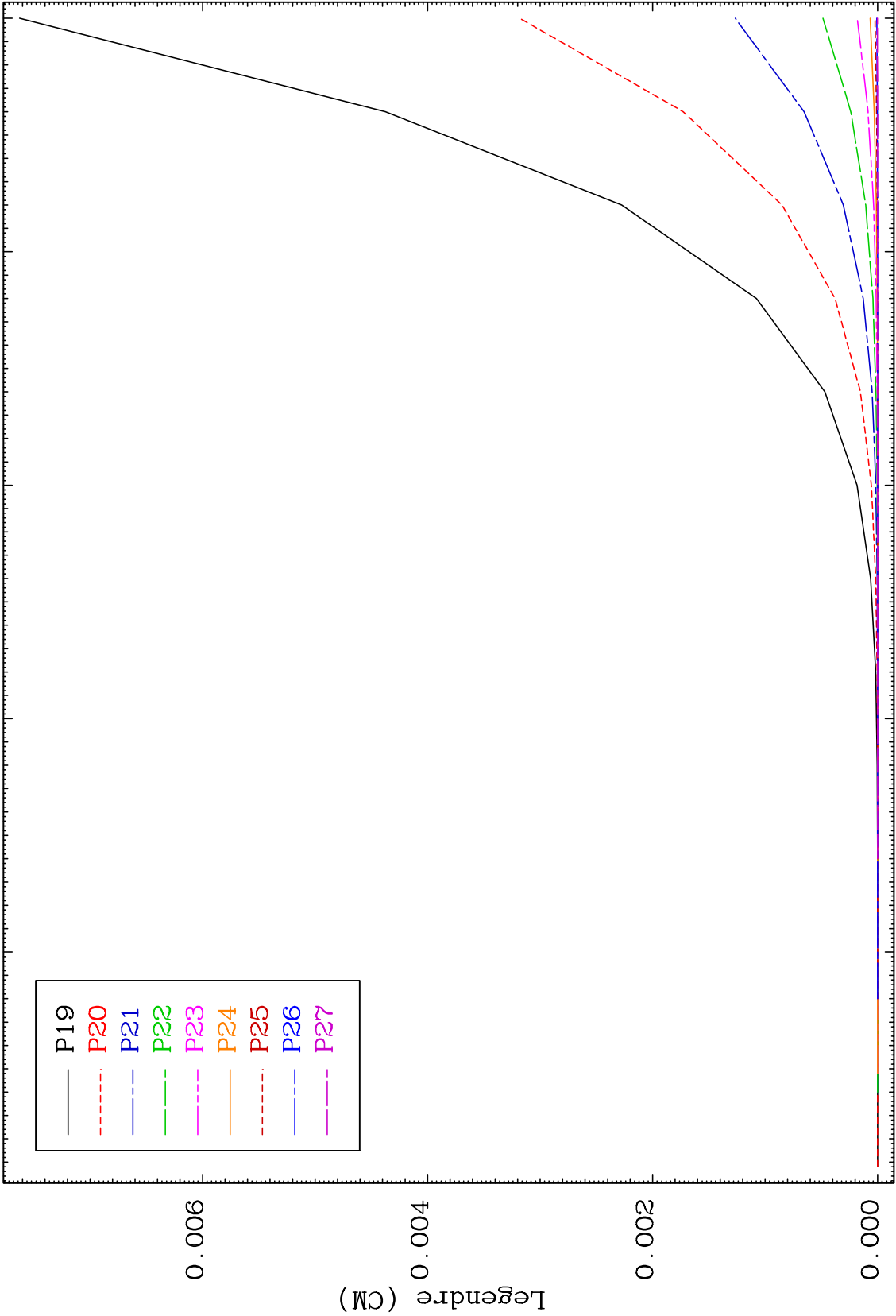




MAT 5313

Elastic Legendre Coefficients

53-I -123



18

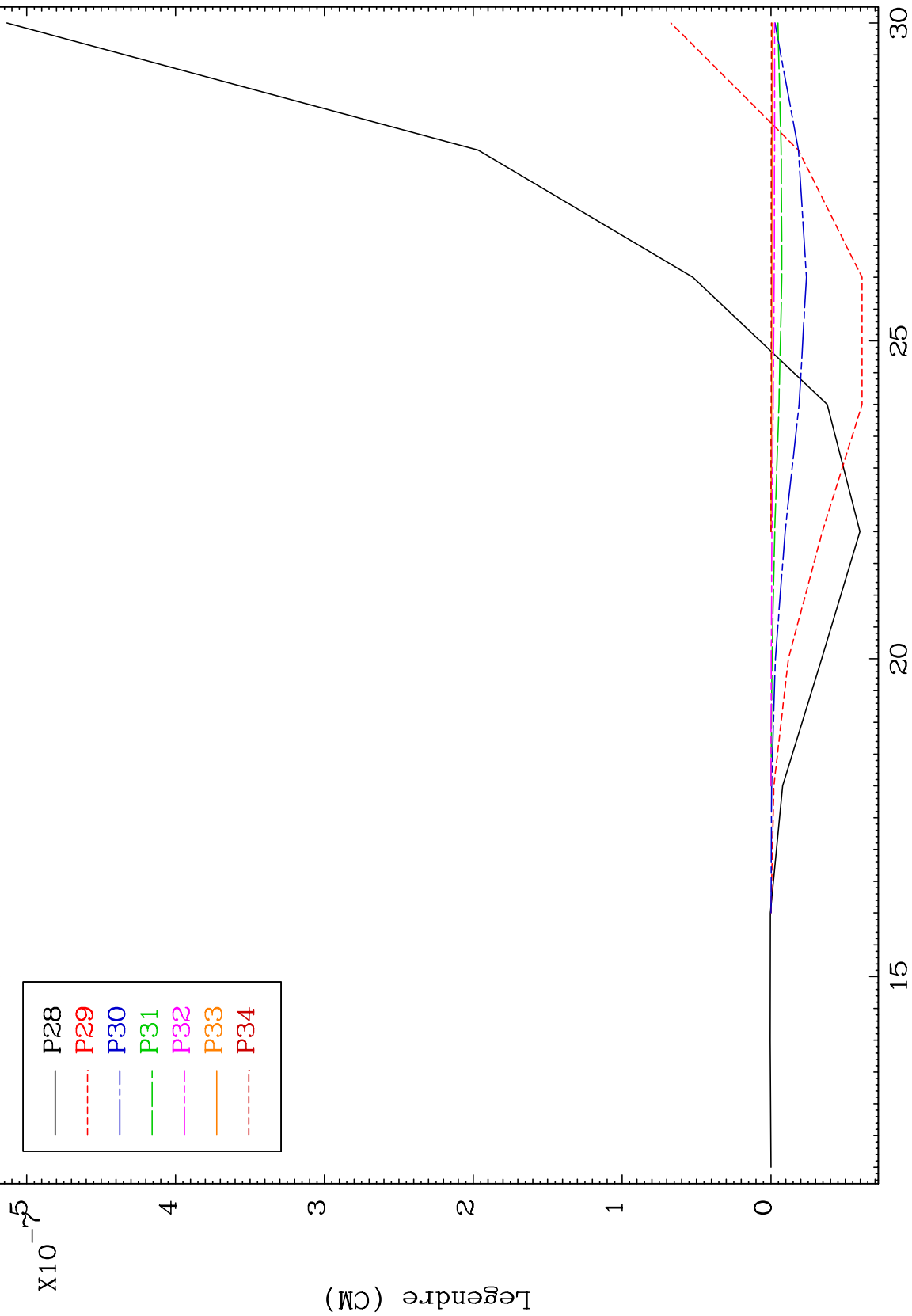
Incident Energy (MeV)

53-I -123

MAT 5313

Elastic Legendre Coefficients

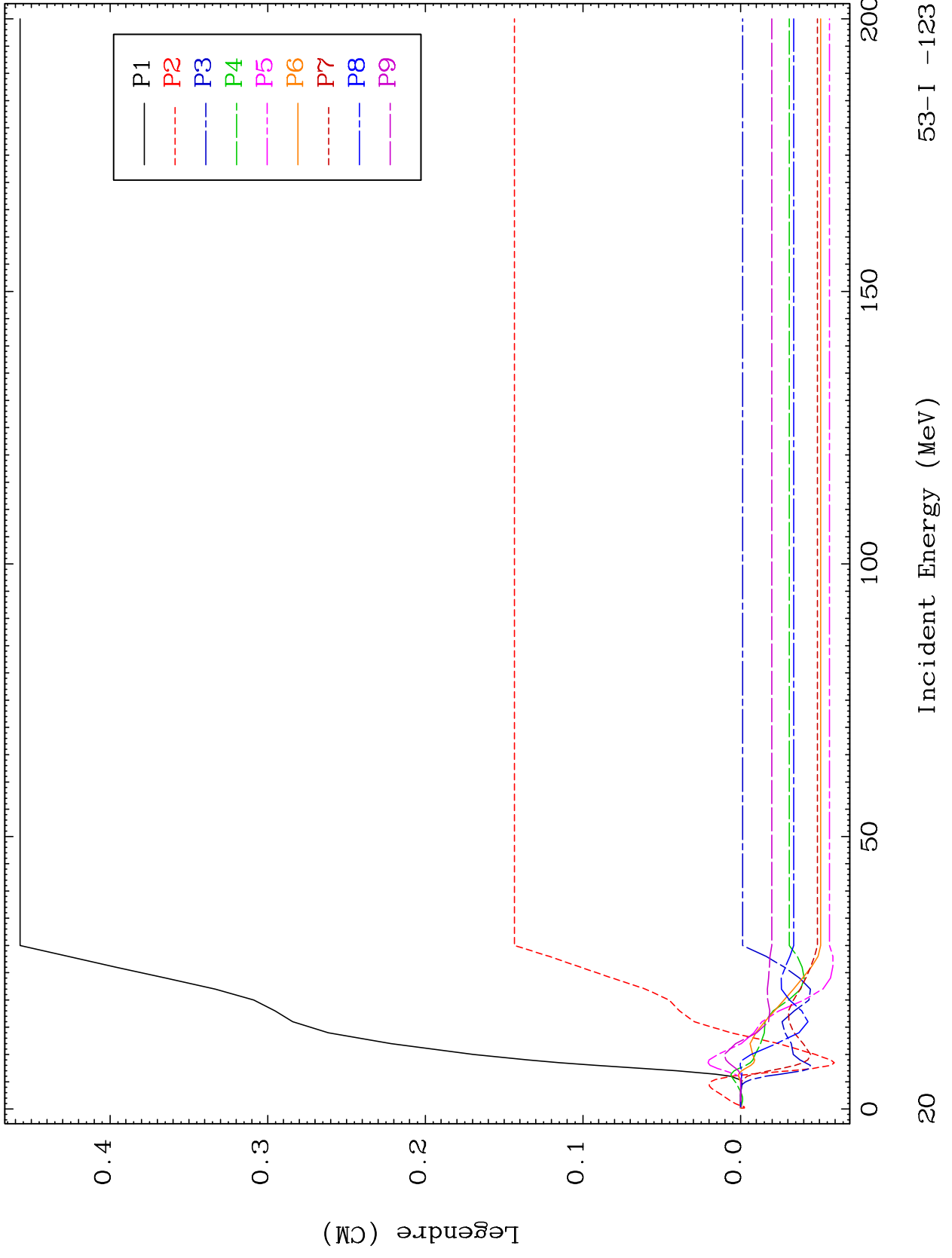
53-I -123



19

Incident Energy (MeV)

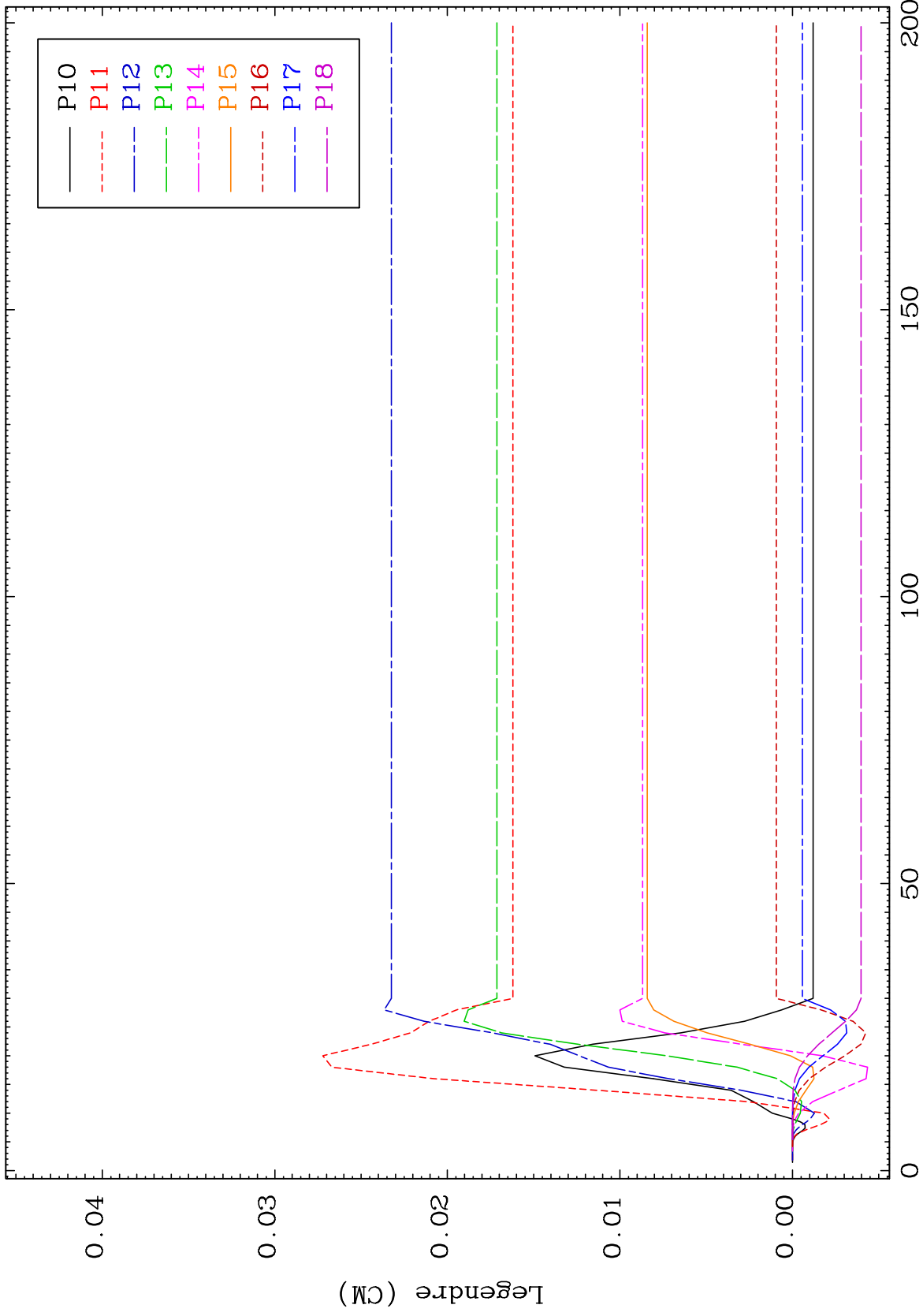
53-I -123



MAT 5313

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

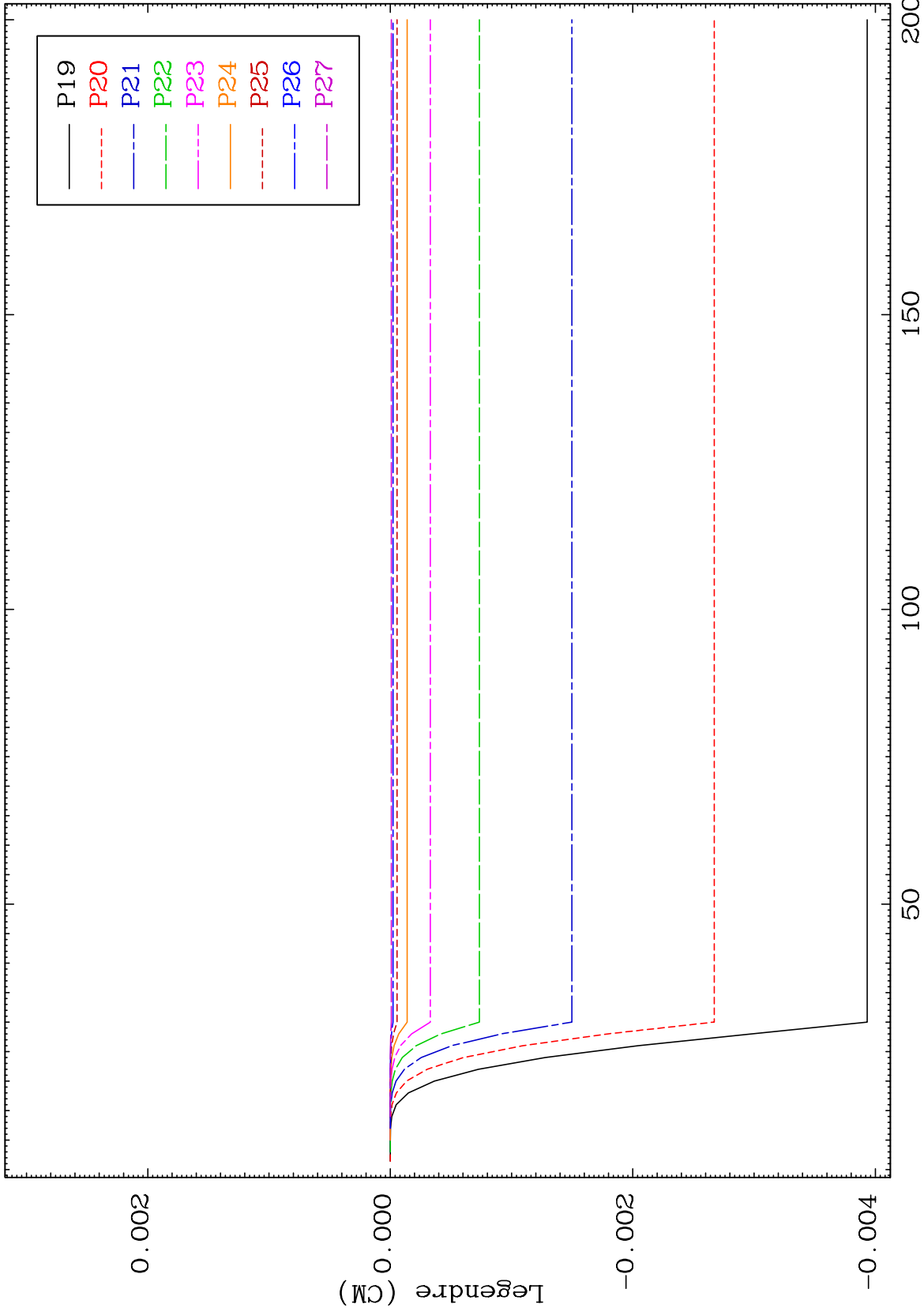
53-I -123

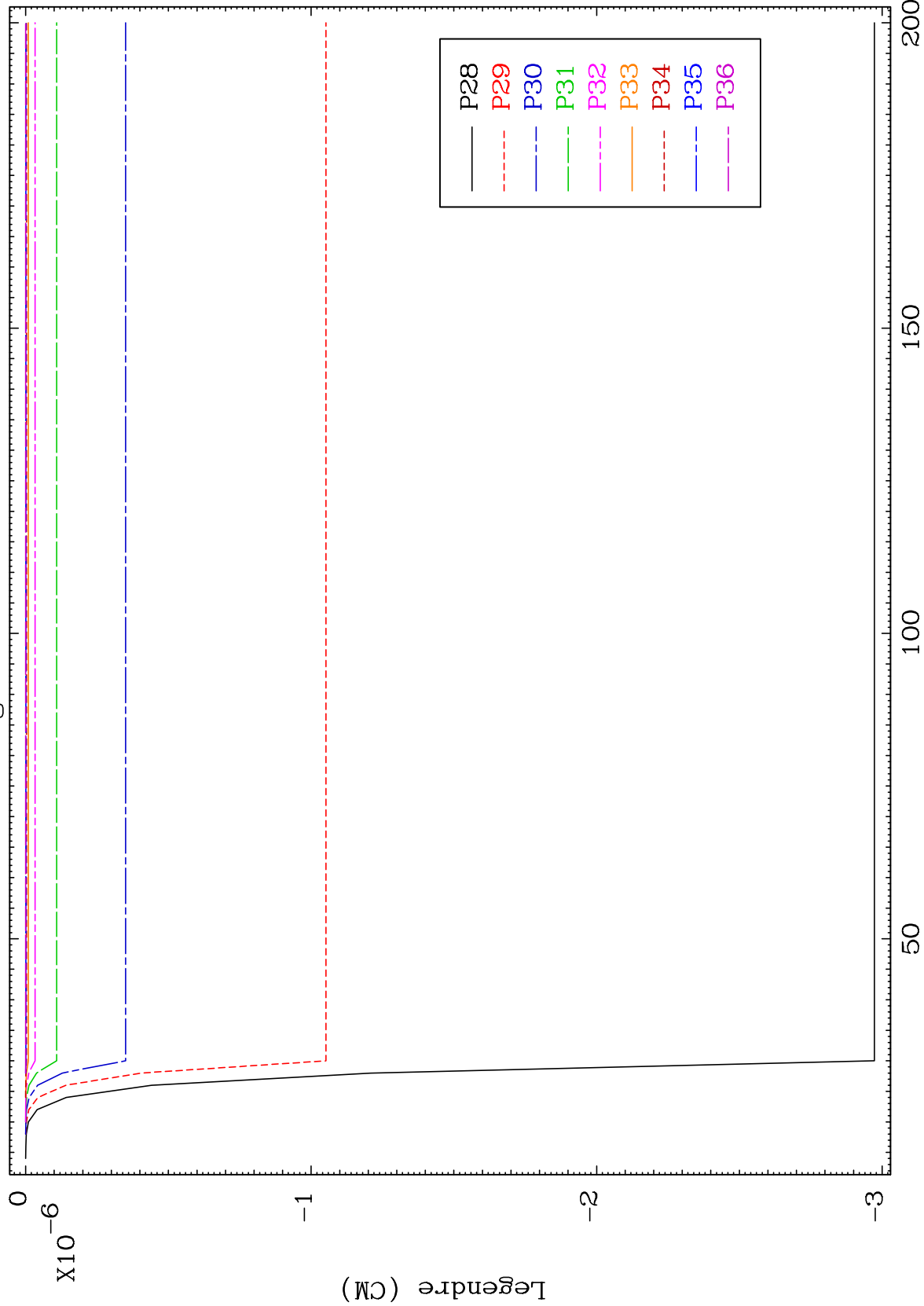


21

Incident Energy (MeV)

53-I -123

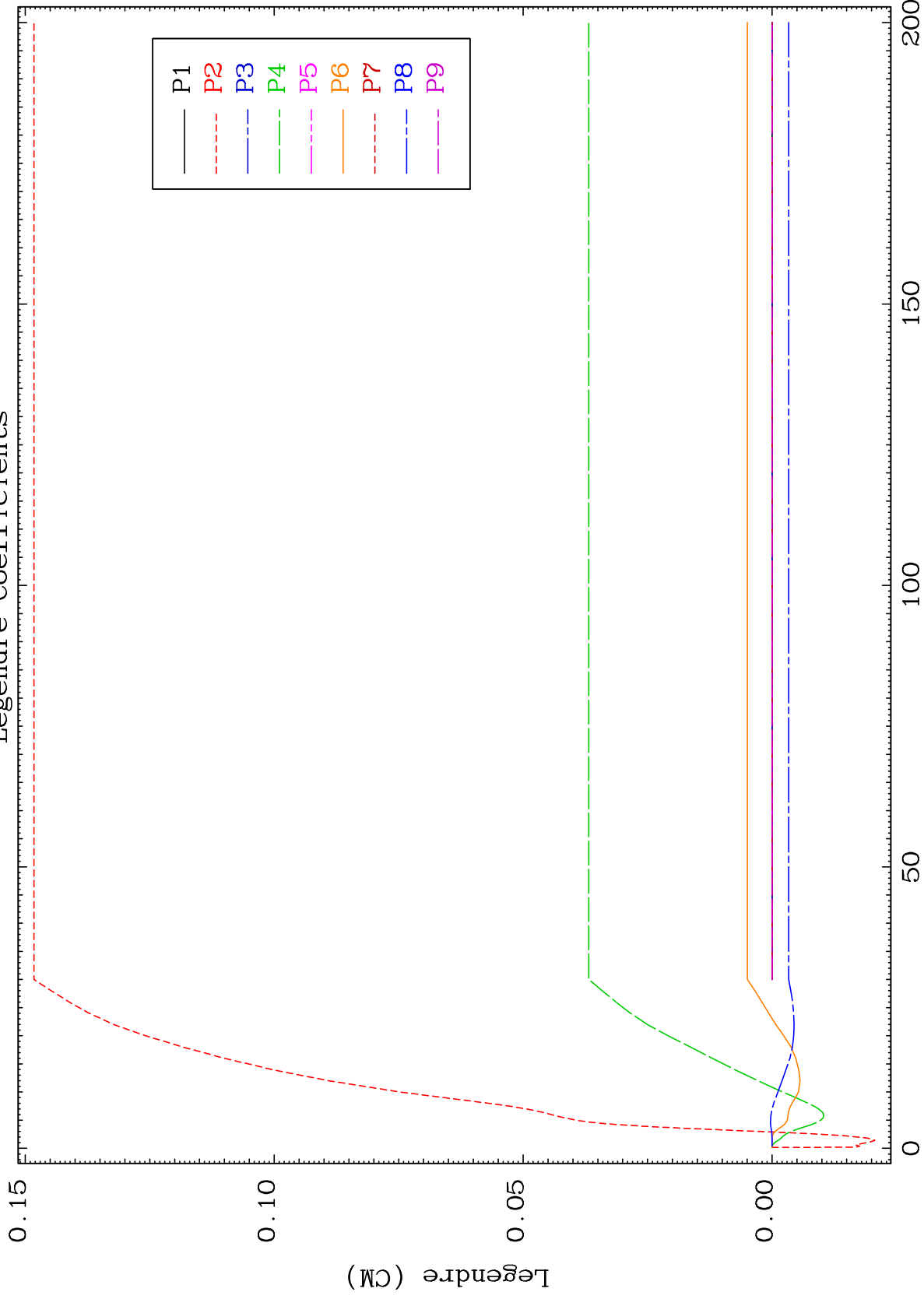




MAT 5313

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

53-I -123



24

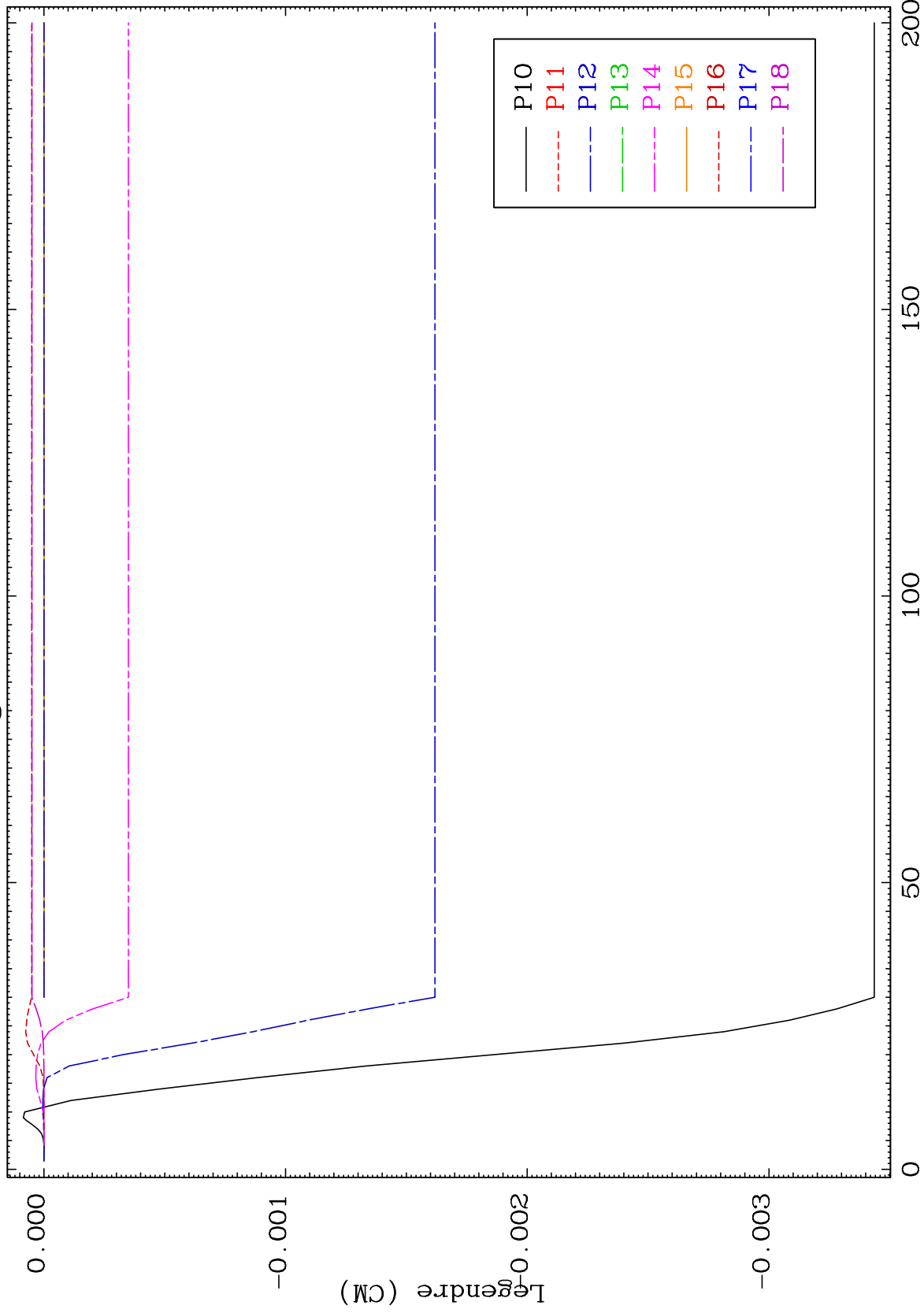
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



25

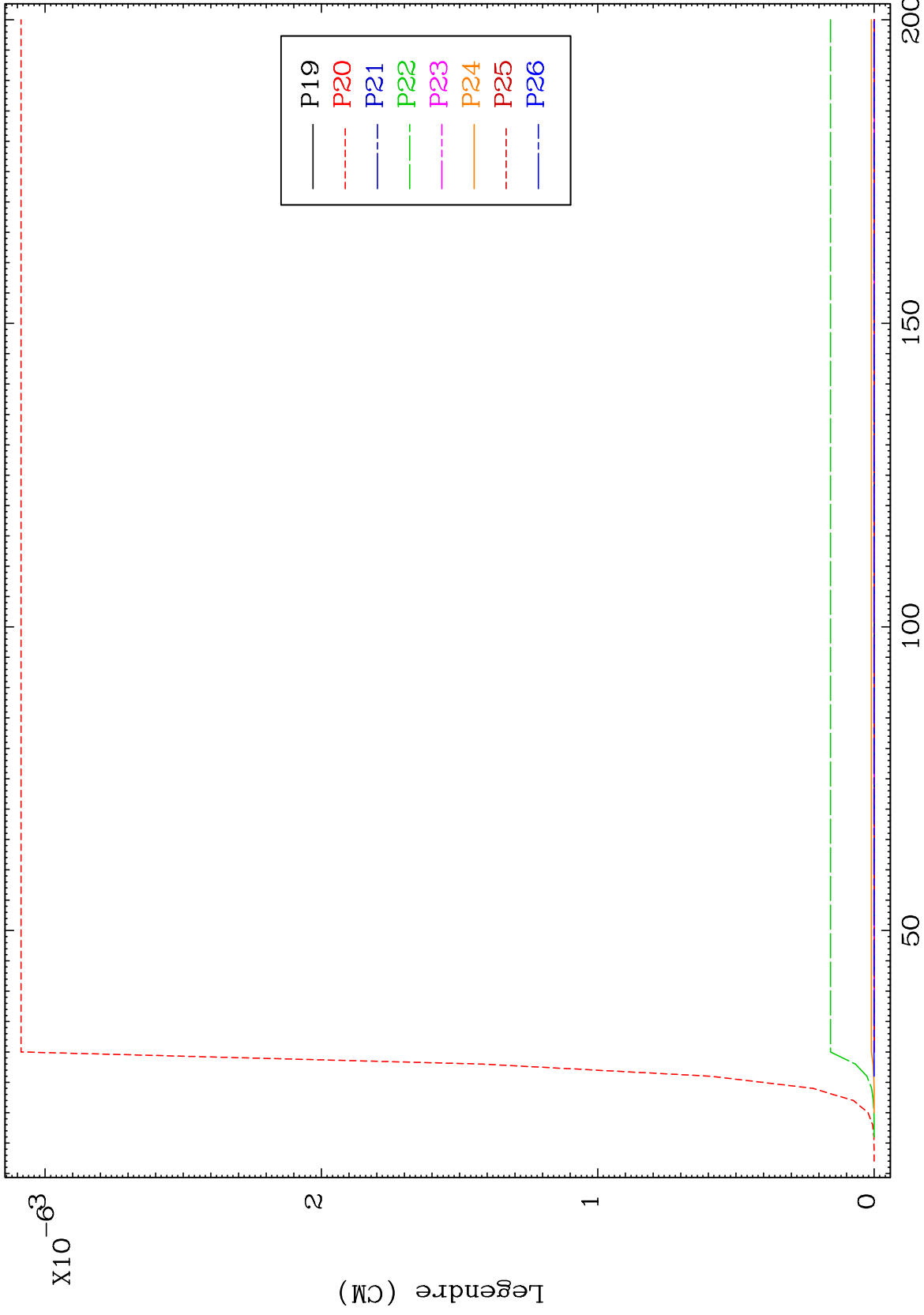
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



26

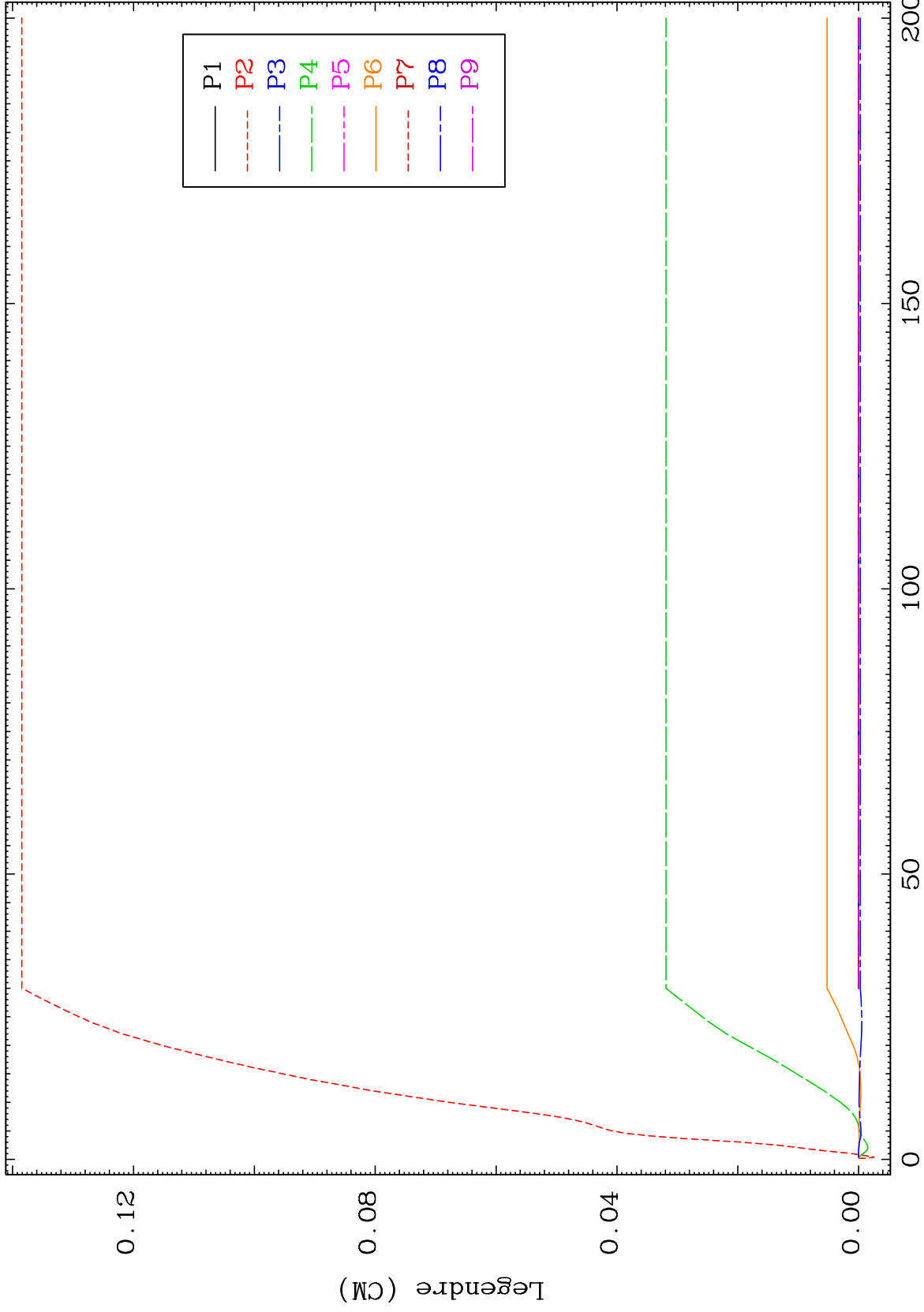
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



27

Incident Energy (MeV)

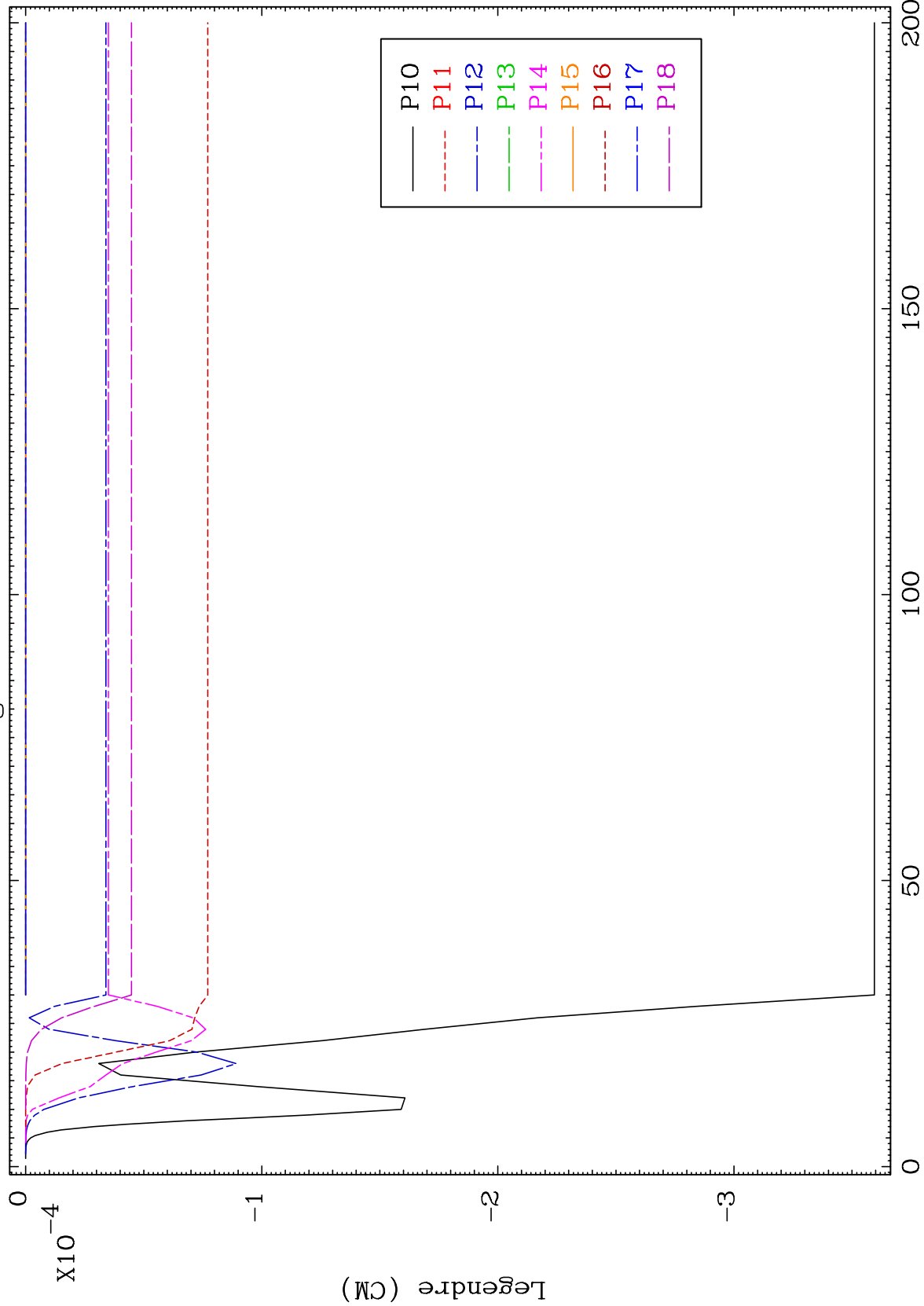
53-I -123

MAT 5313

MT= 53 (n,n') Level

53-I -123

Legendre Coefficients



28

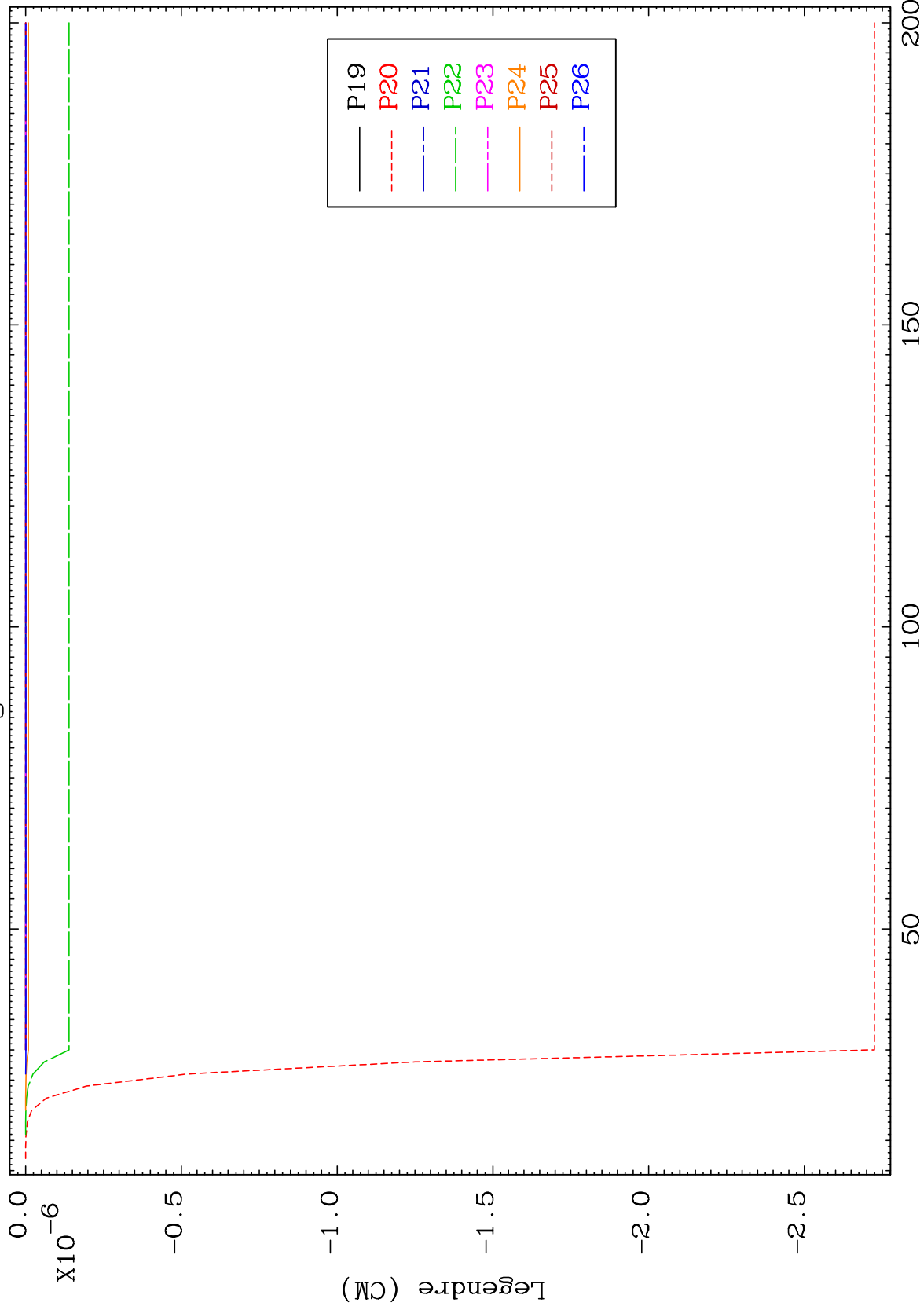
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123

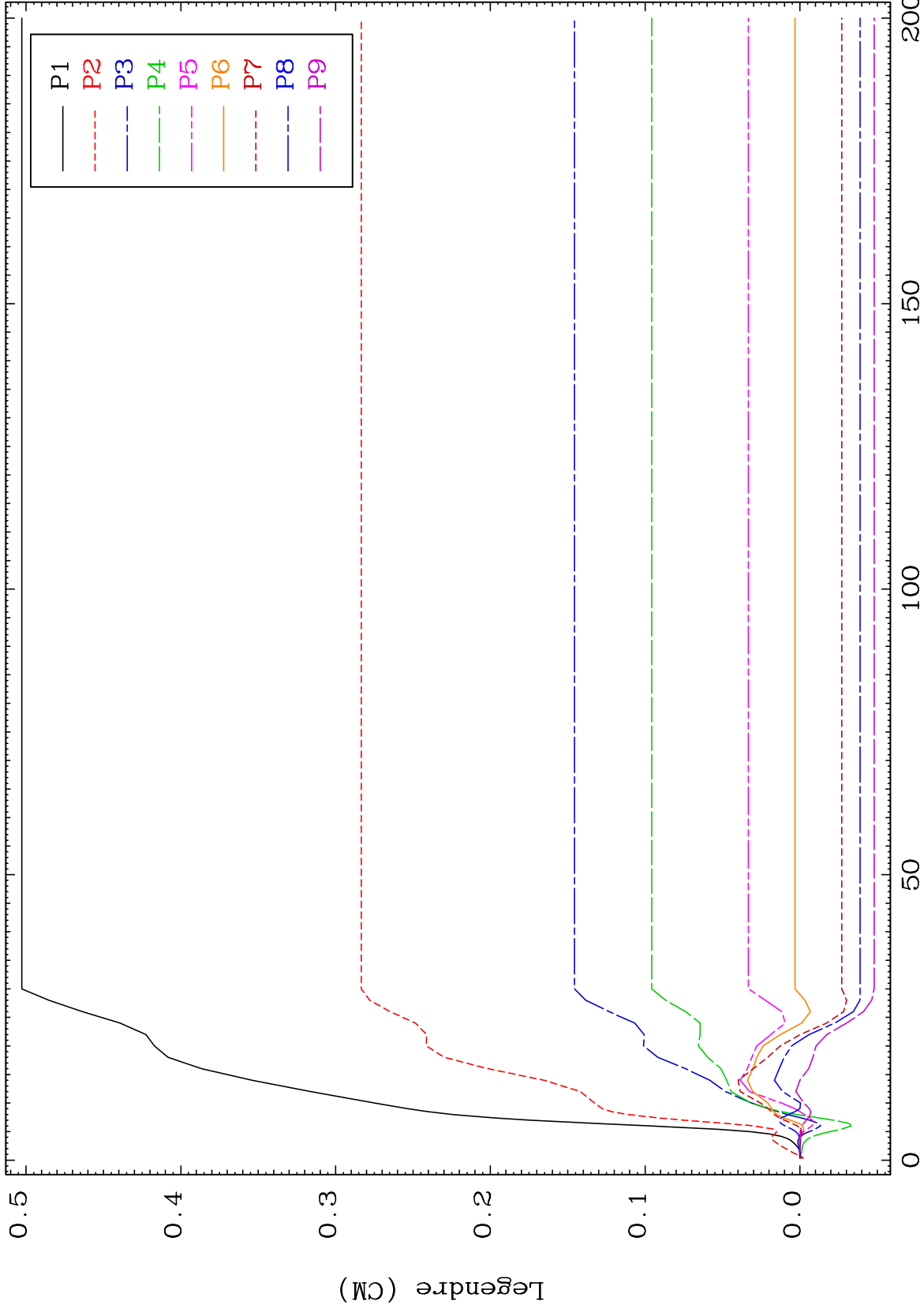


MAT 5313

MT= 54 (n,n') Level

53-I -123

Legendre Coefficients



53-I -123

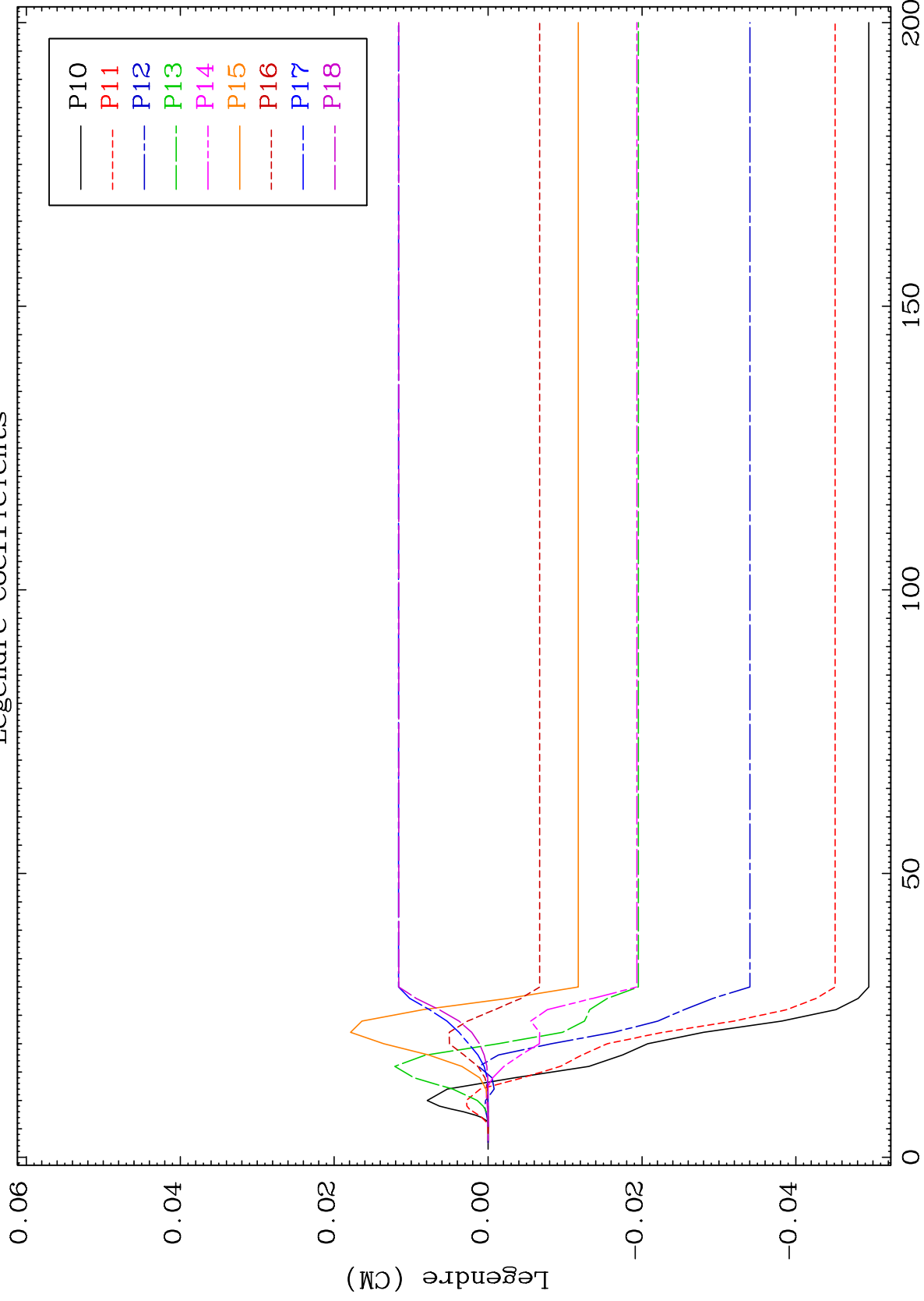
Incident Energy (MeV)

30

MAT 5313

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

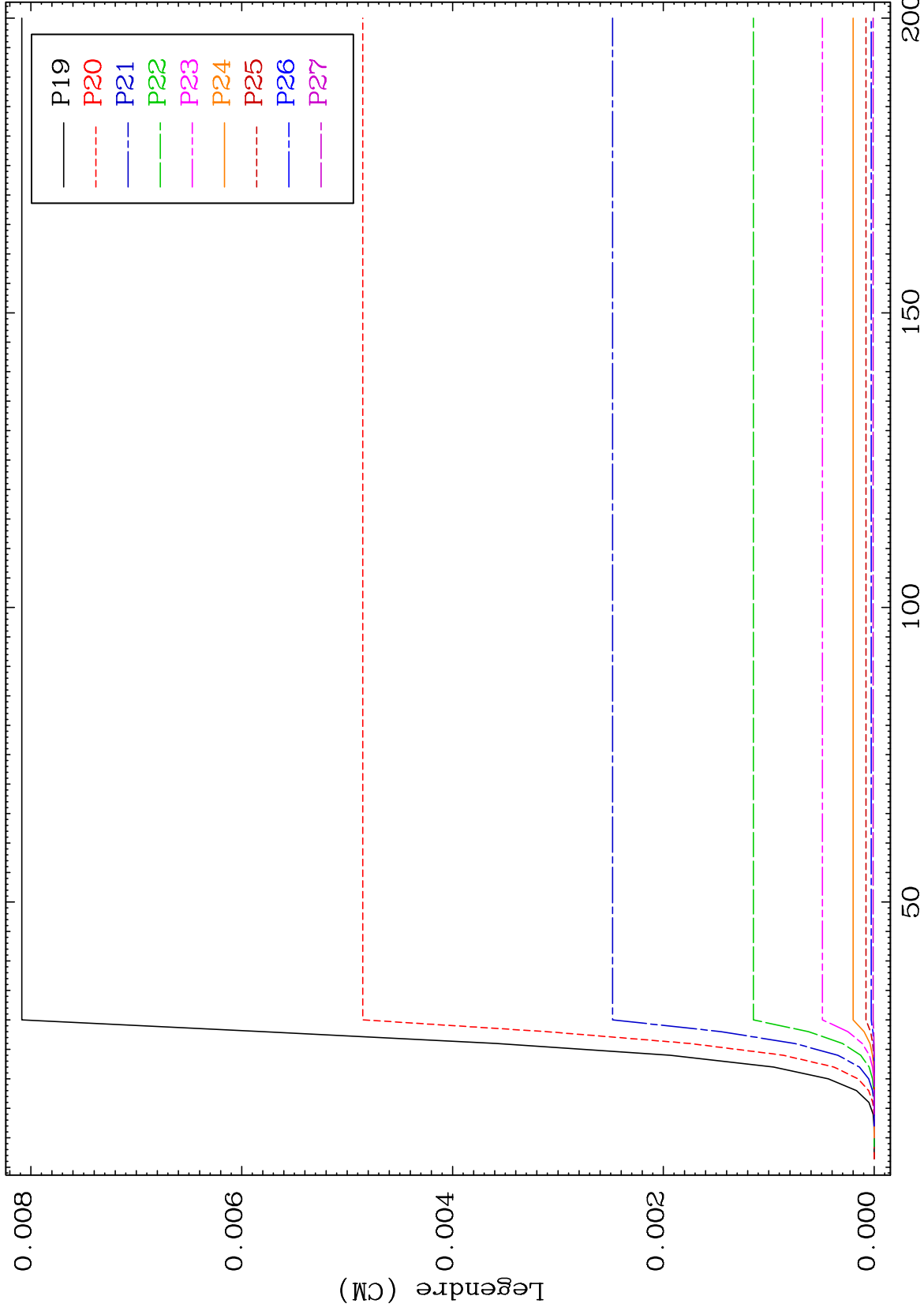
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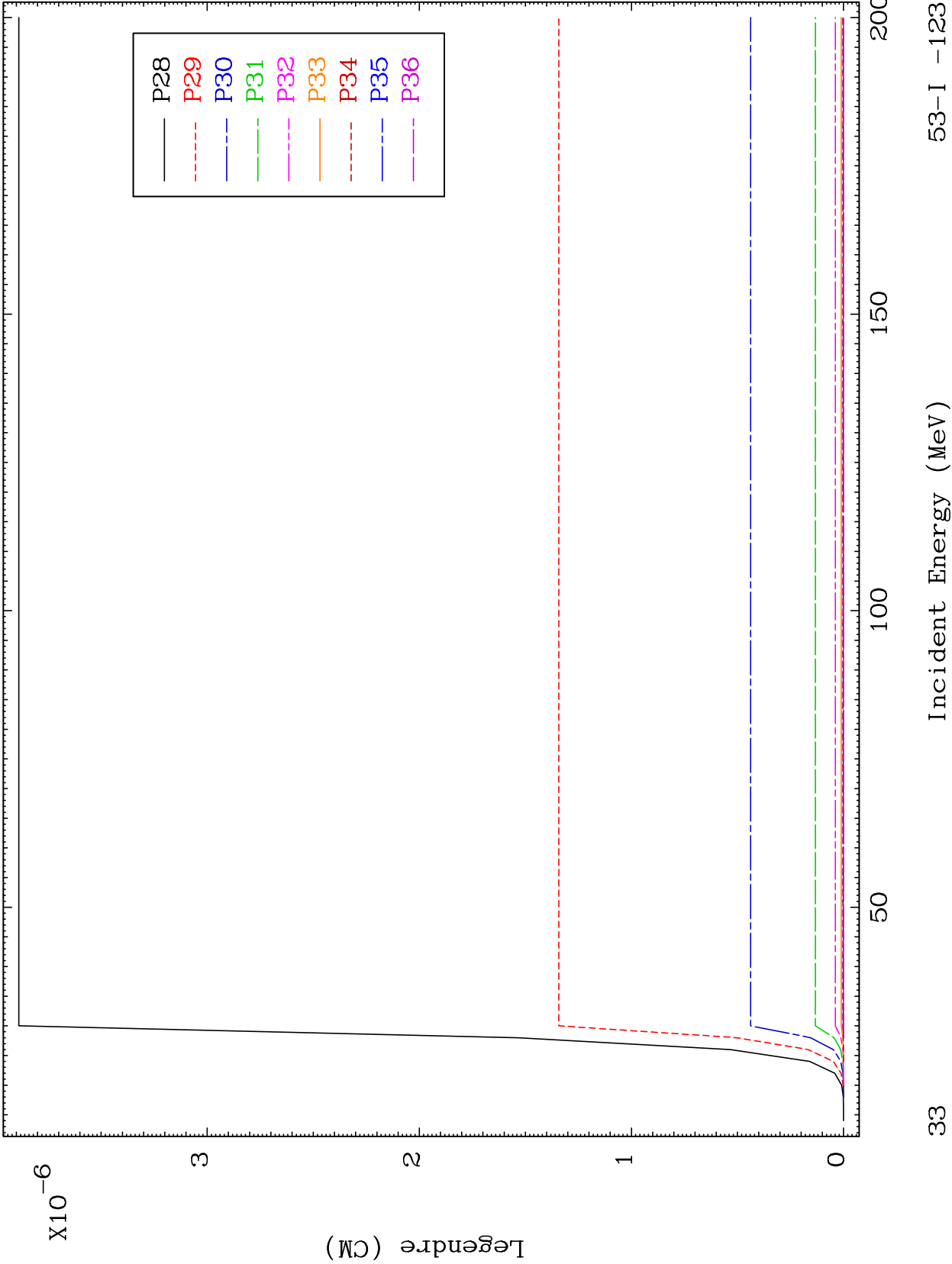


31

Incident Energy (MeV)

53-I -123

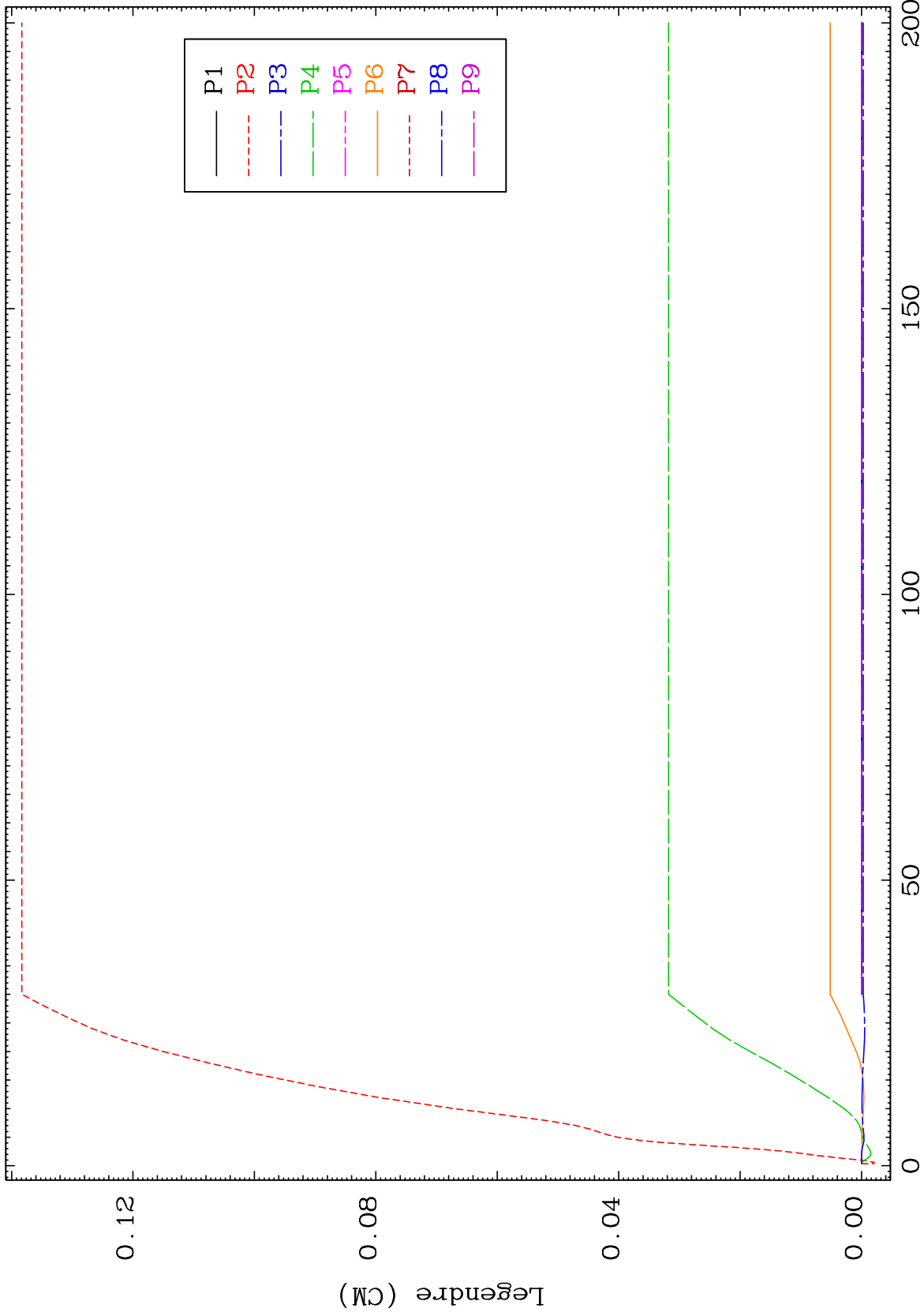




MAT 5313

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

53-I -123



34

Incident Energy (MeV)

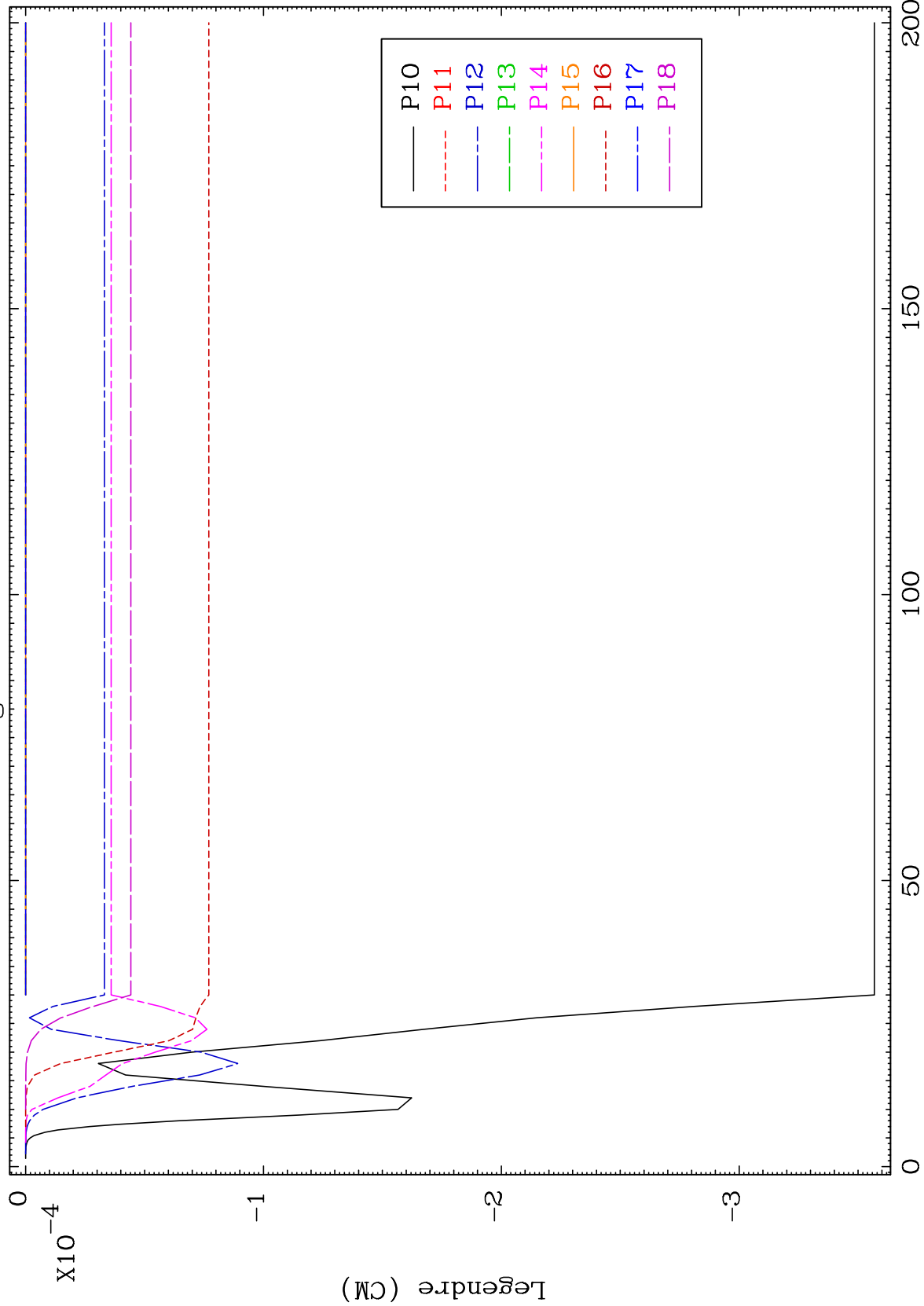
53-I -123

MAT 5313

MT= 55 (n,n') Level

53-I -123

Legendre Coefficients



35

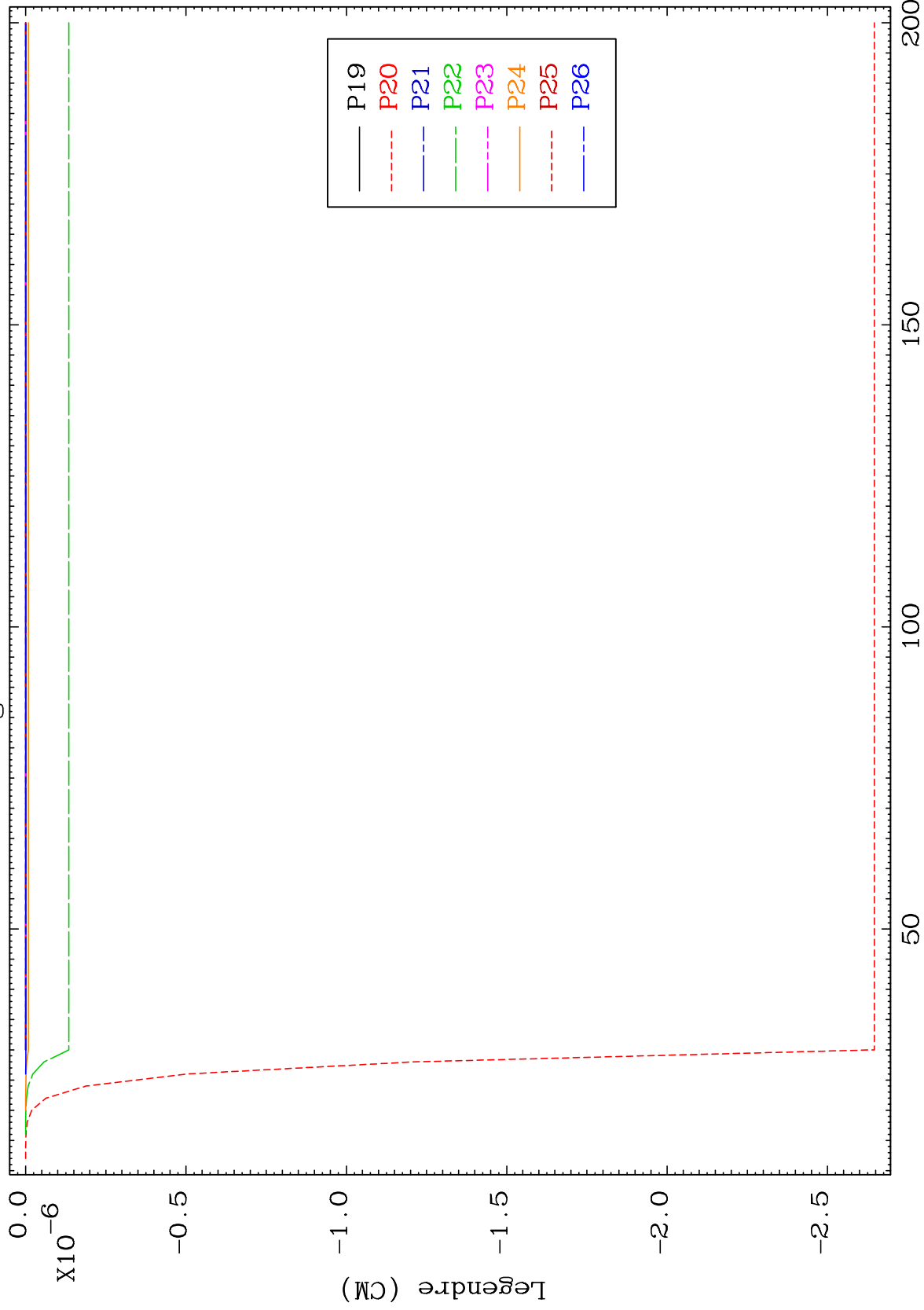
Incident Energy (MeV)

53-I -123

MAT 5313

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

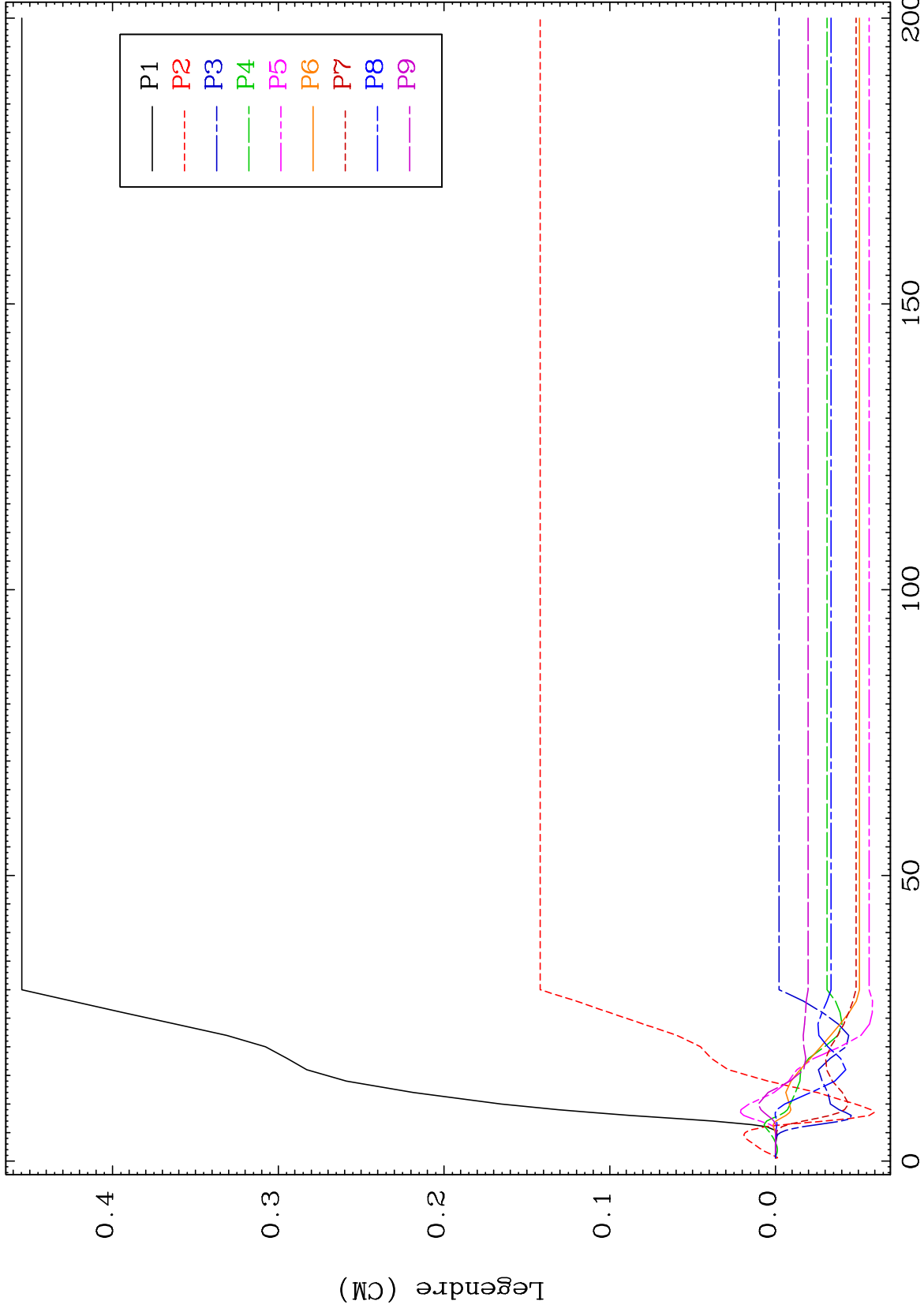
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36

Incident Energy (MeV)

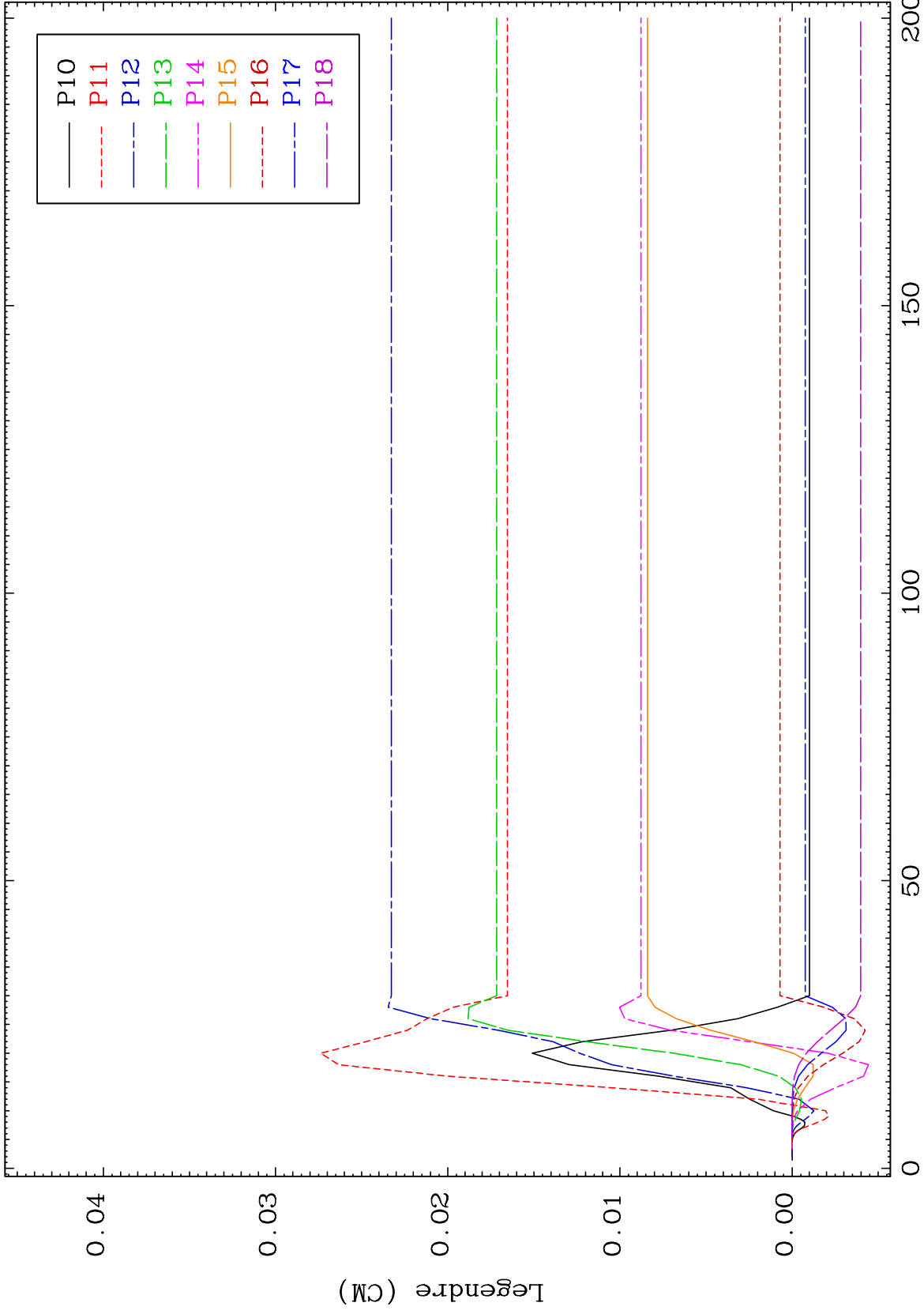
53-I -123



MAT 5313

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

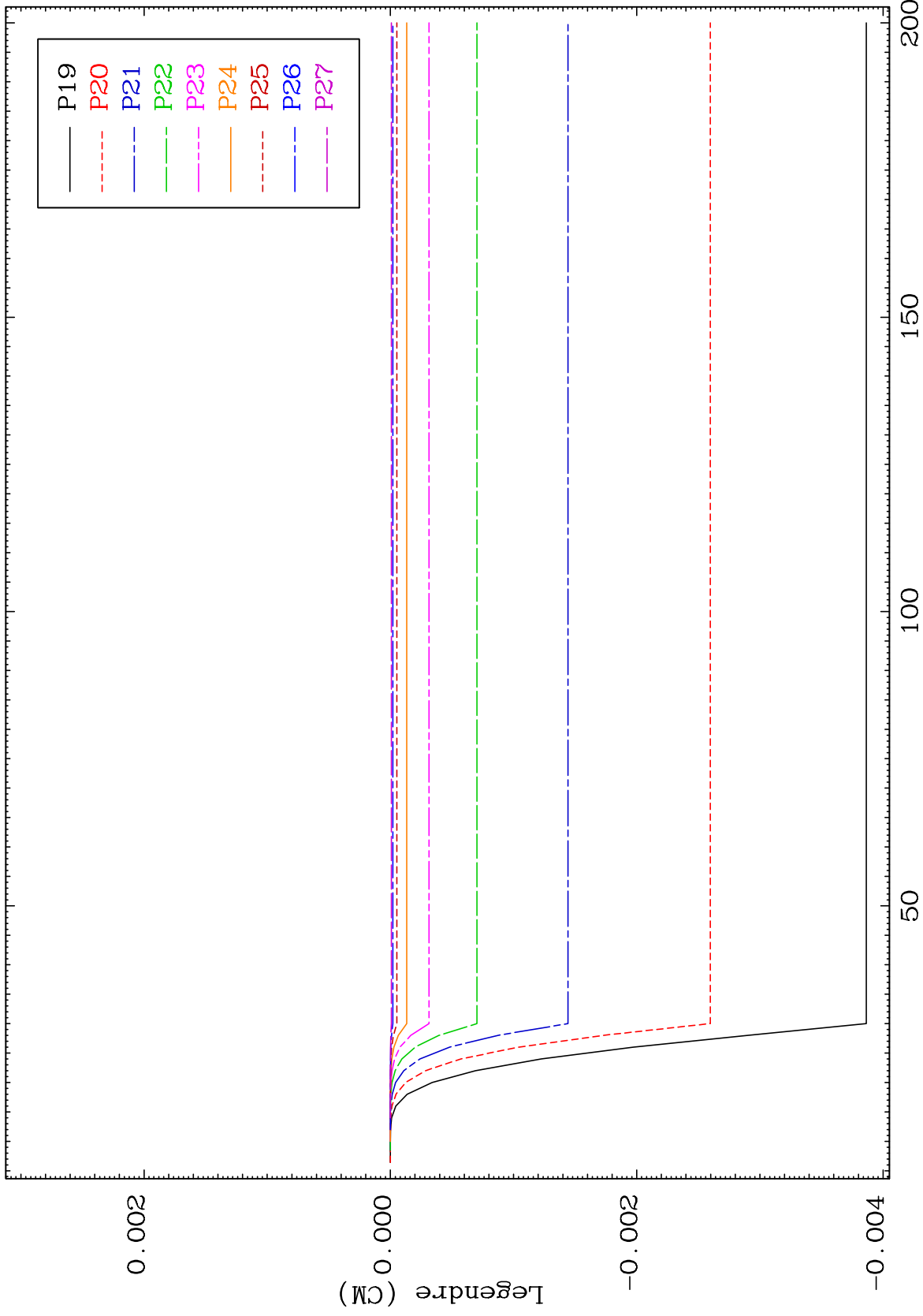
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38

Incident Energy (MeV)

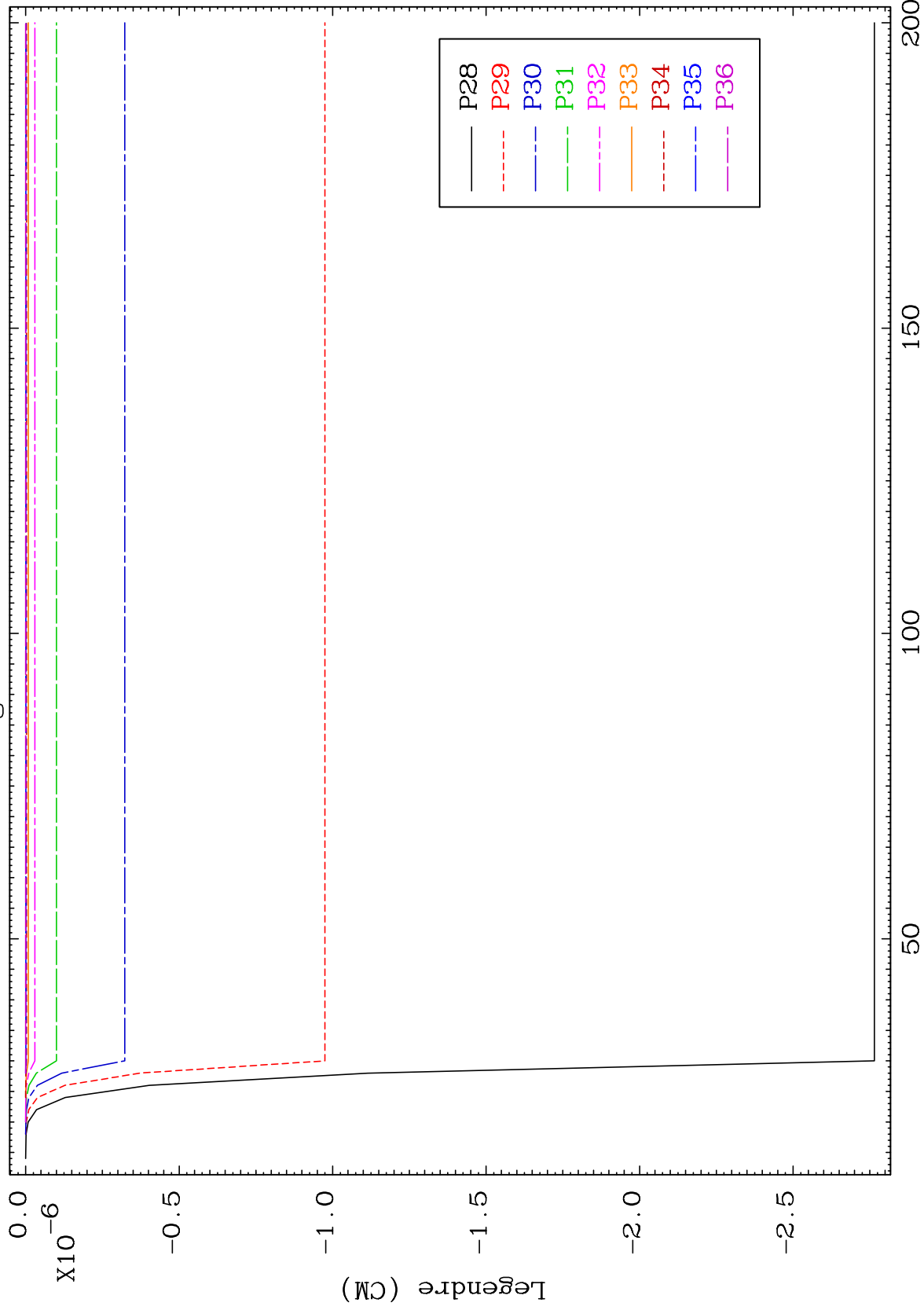
53-I -123



MAT 5313

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

53-I -123

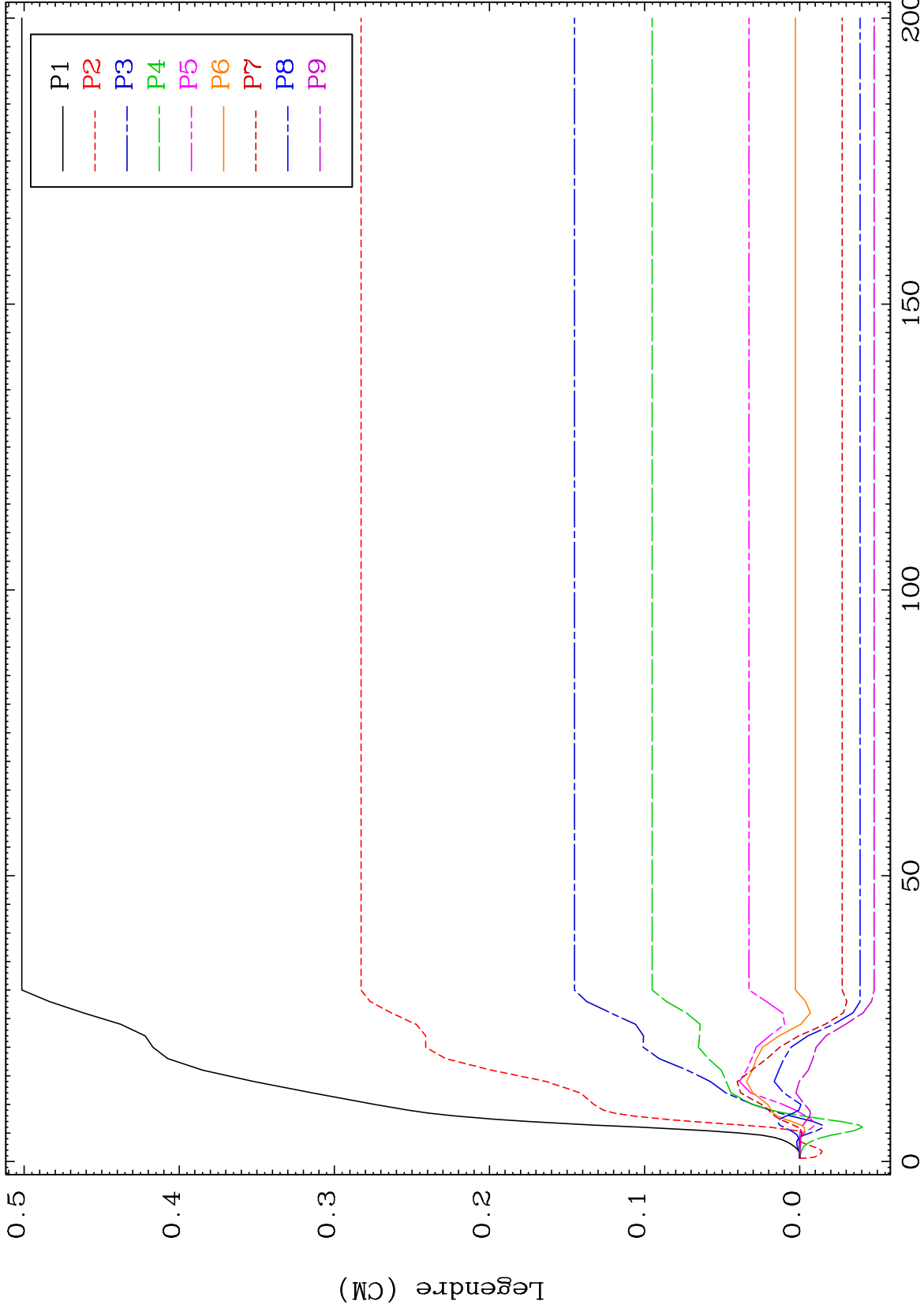


40

Incident Energy (MeV)

53-I -123

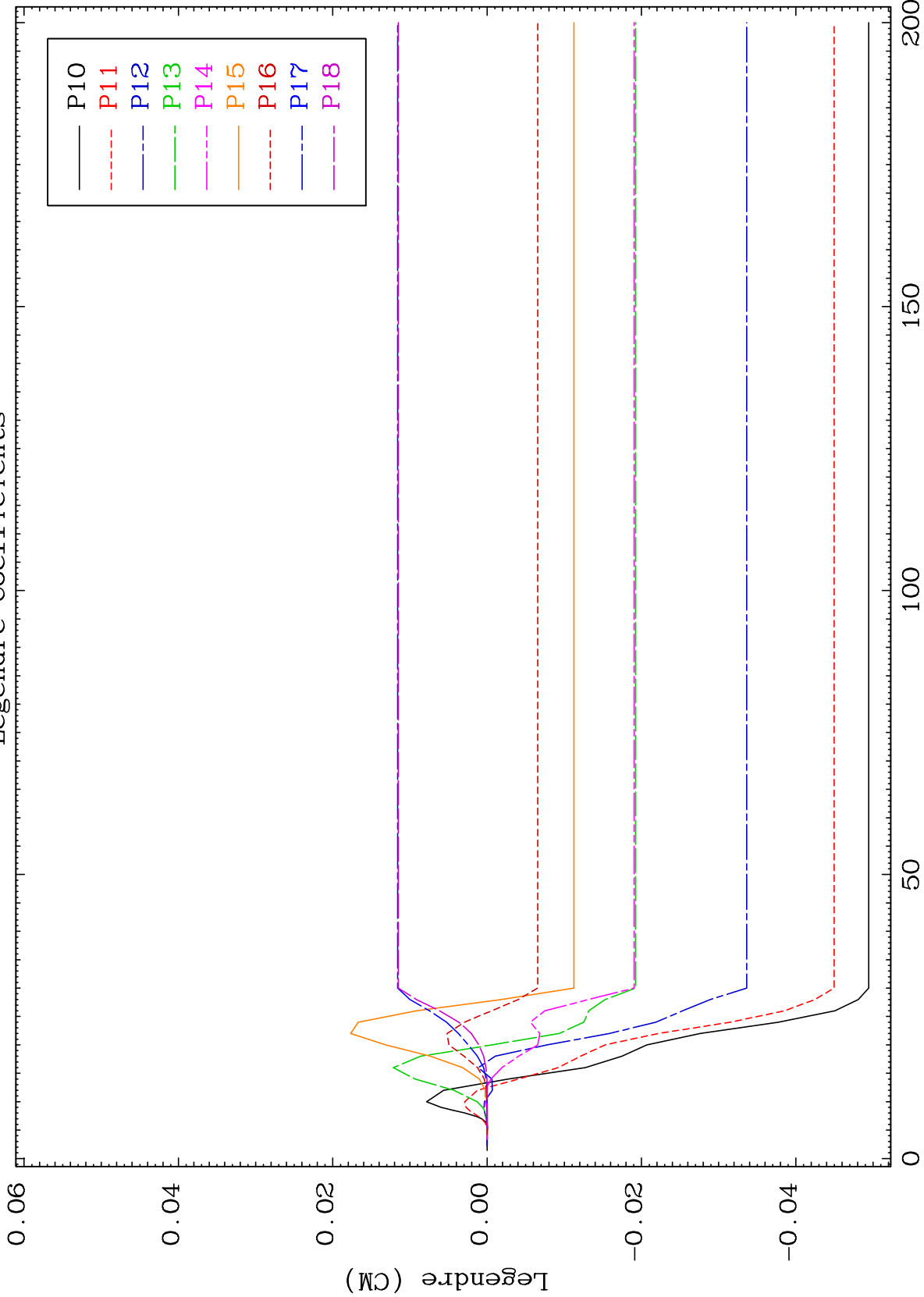
Legendre Coefficients



MAT 5313

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

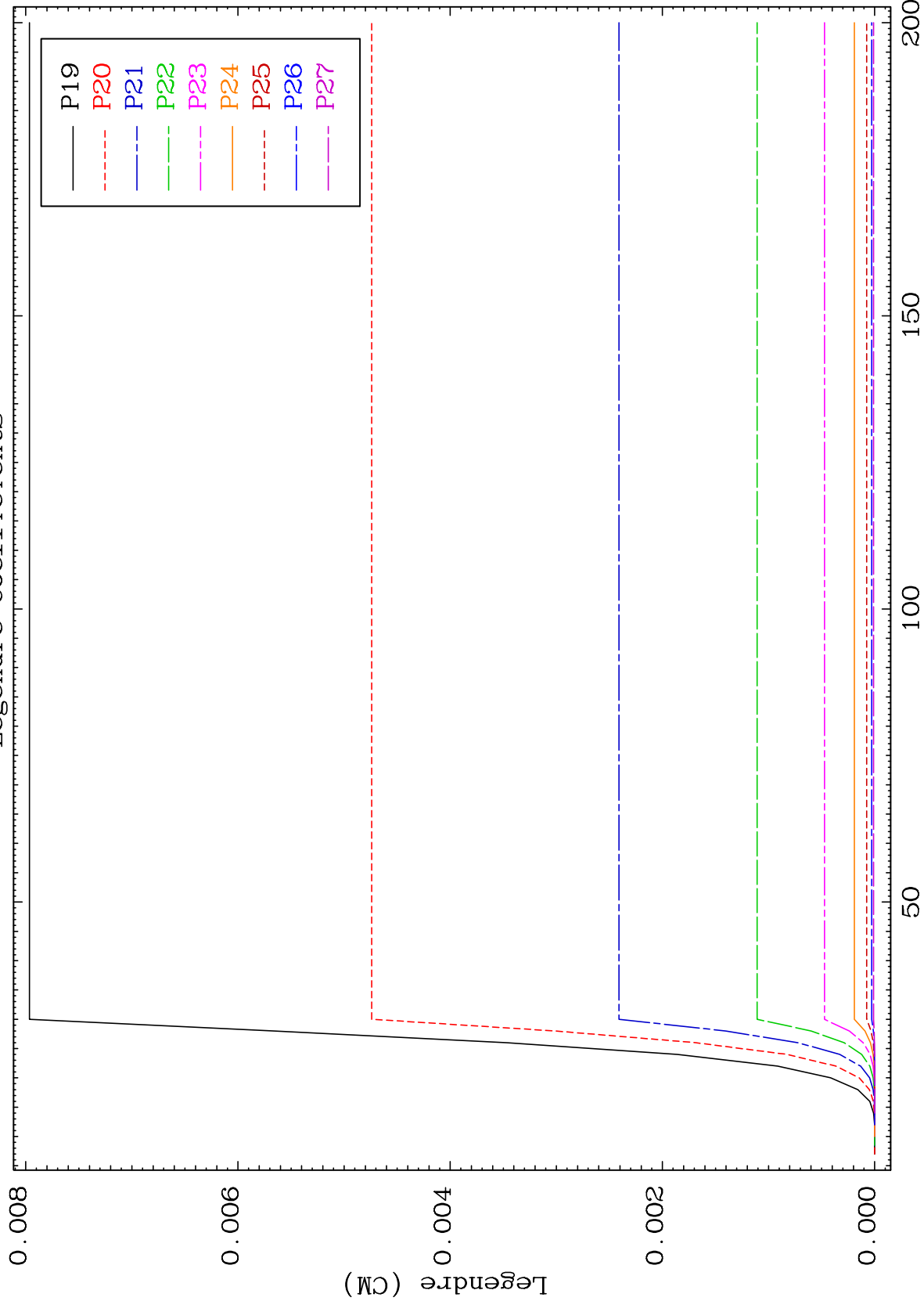
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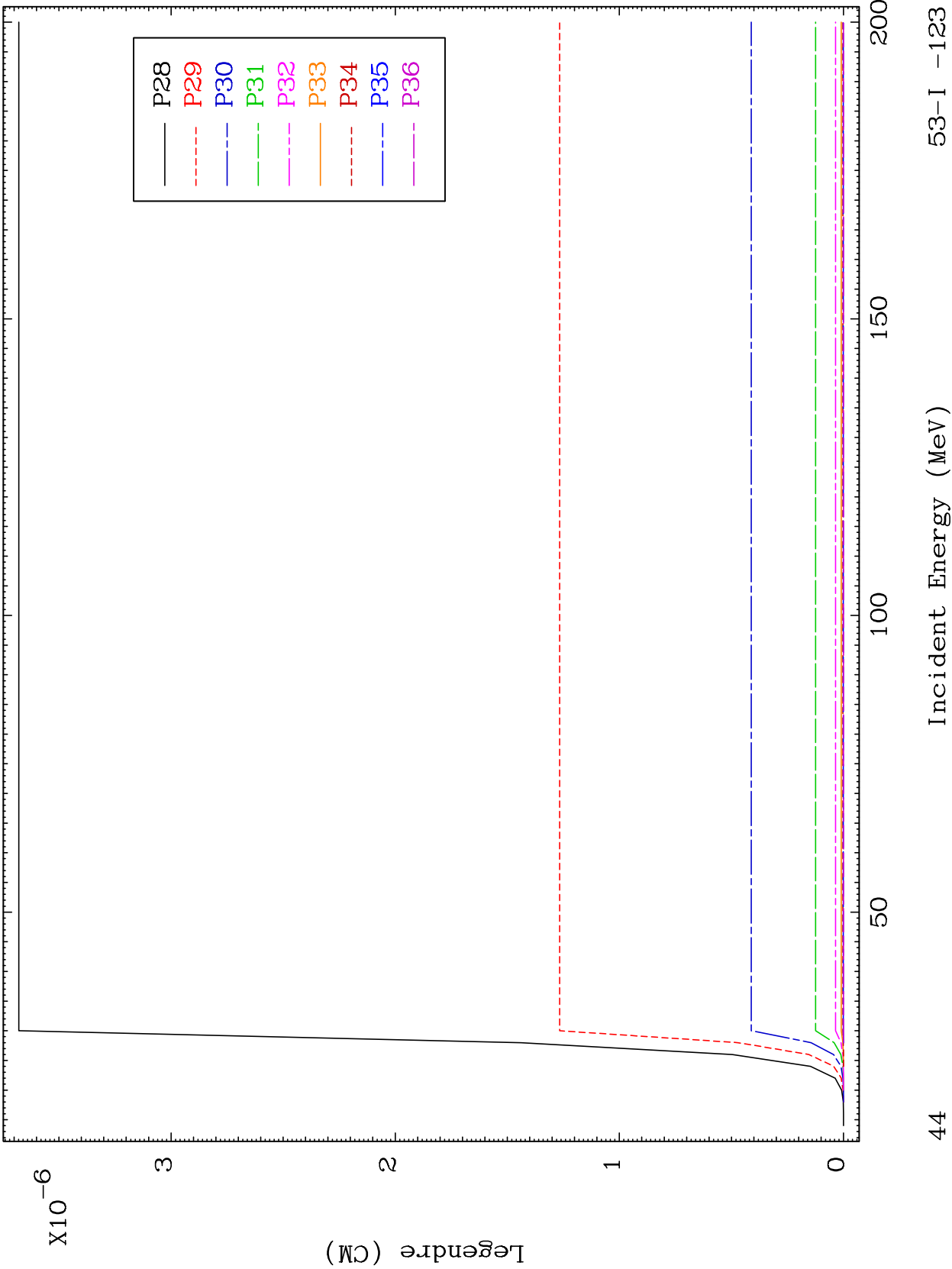


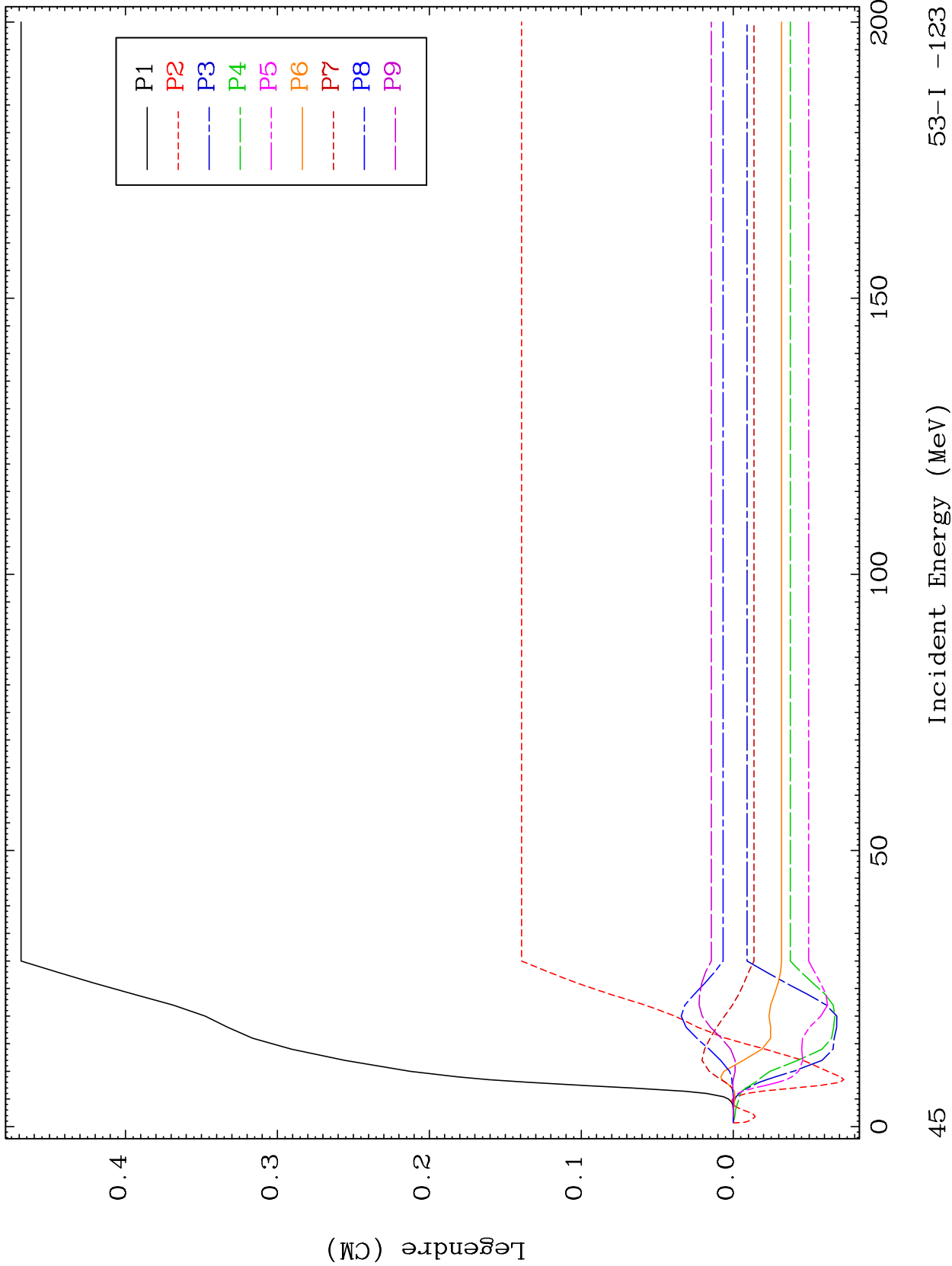
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Incident Energy (MeV)

53-I -123



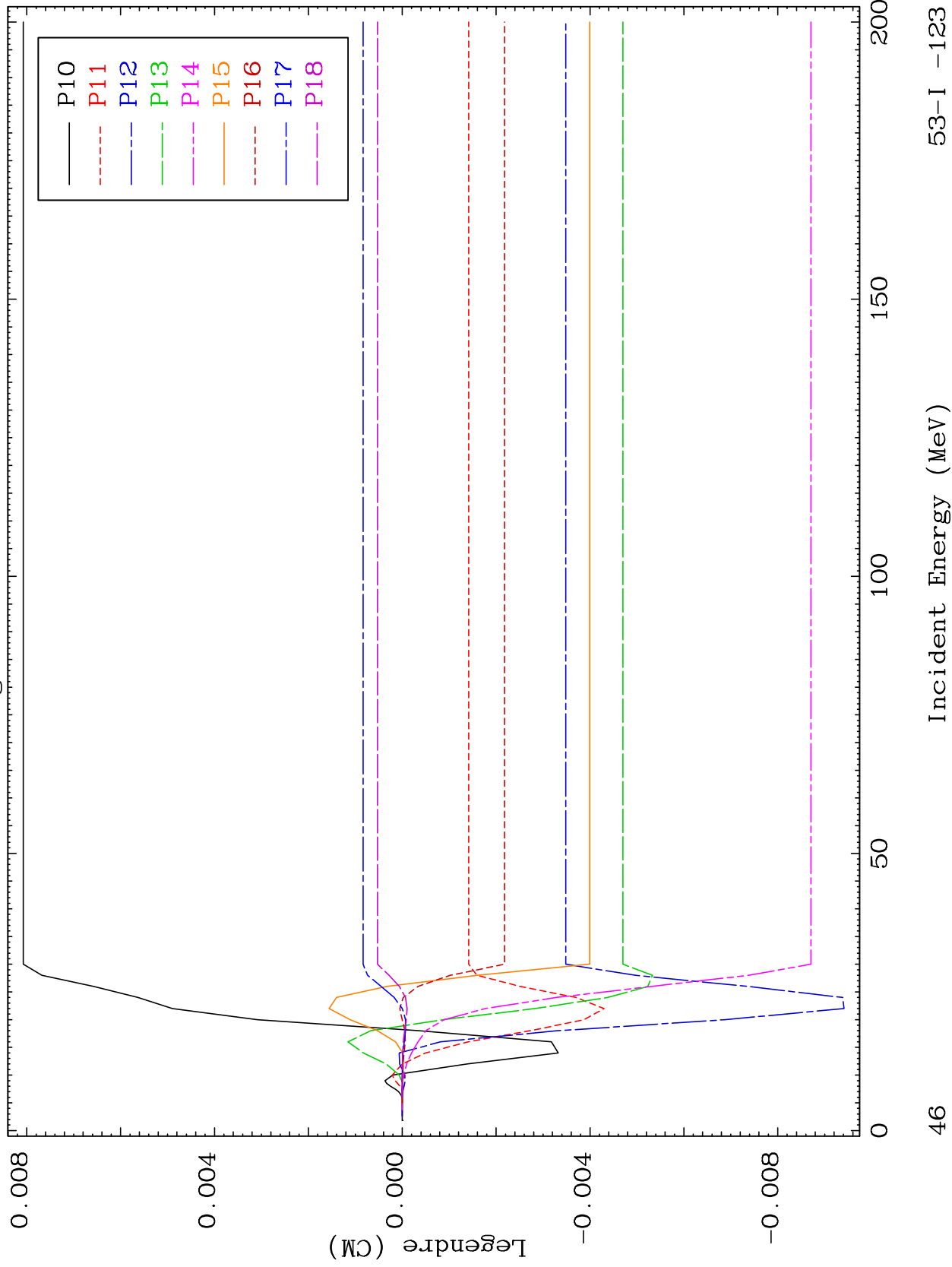




MAT 5313

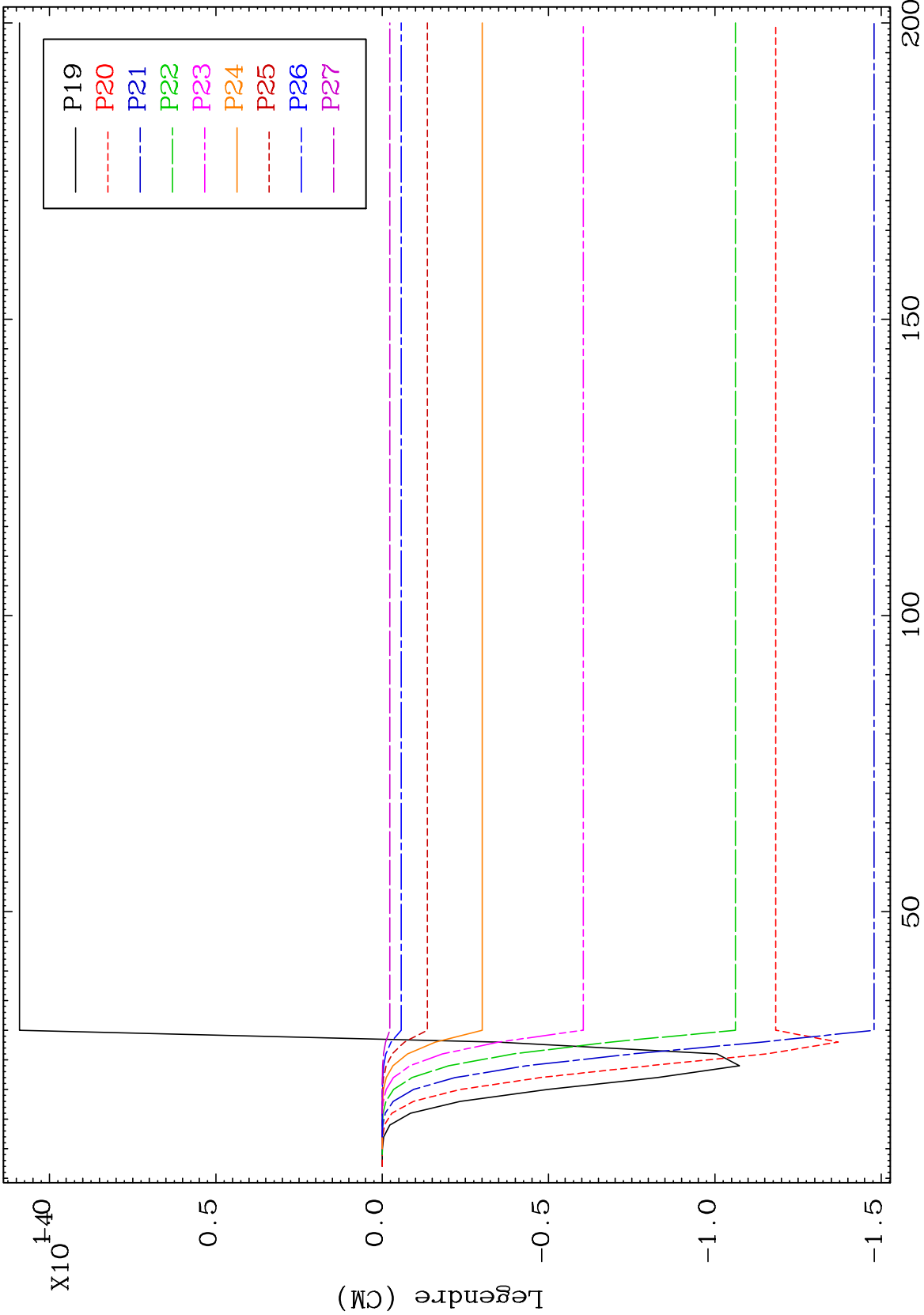
MT= 58 (n,n') Level
Legendre Coefficients

53-I -123



46

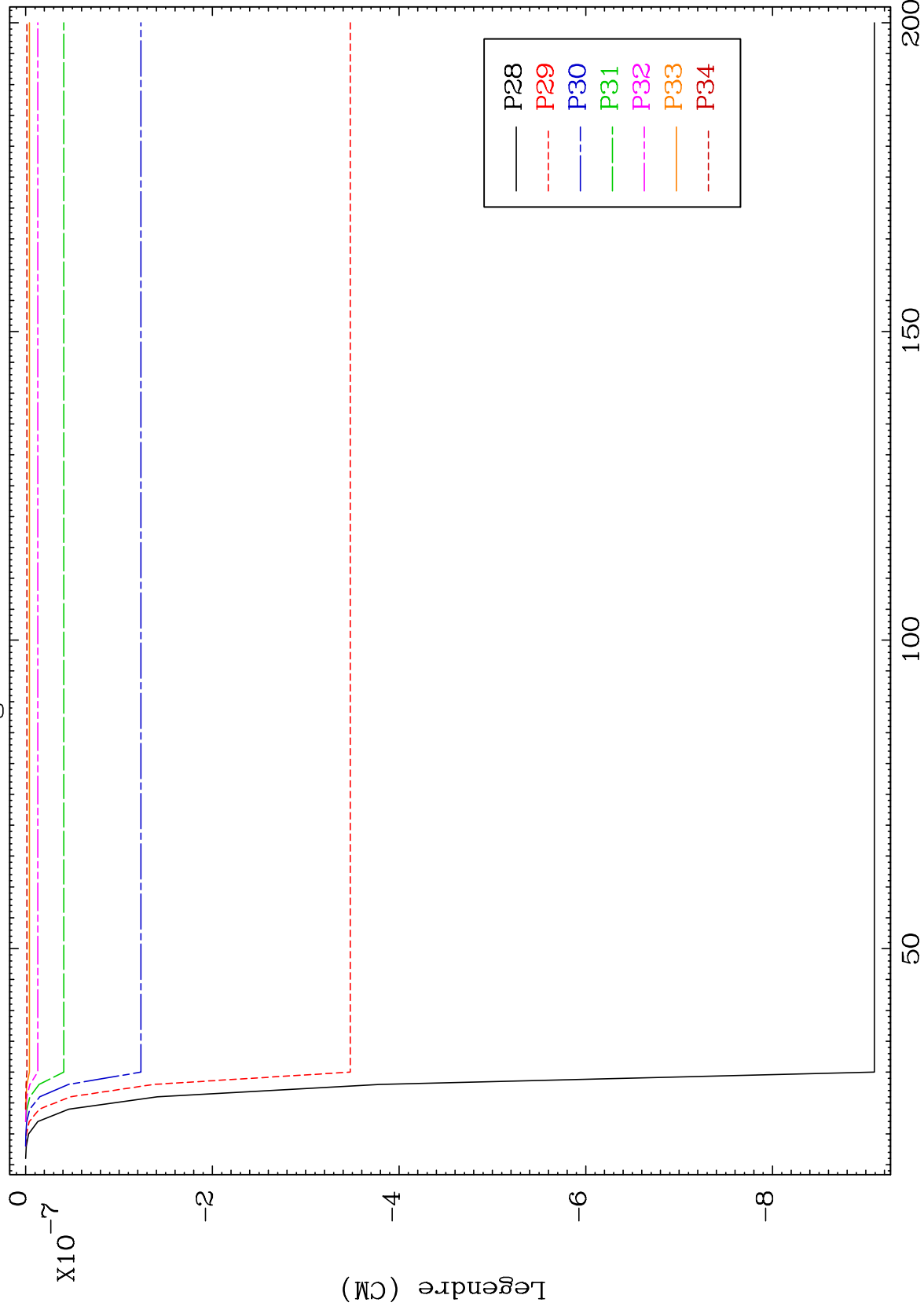
53-I -123



MAT 5313

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

53-I -123



48

Incident Energy (MeV)

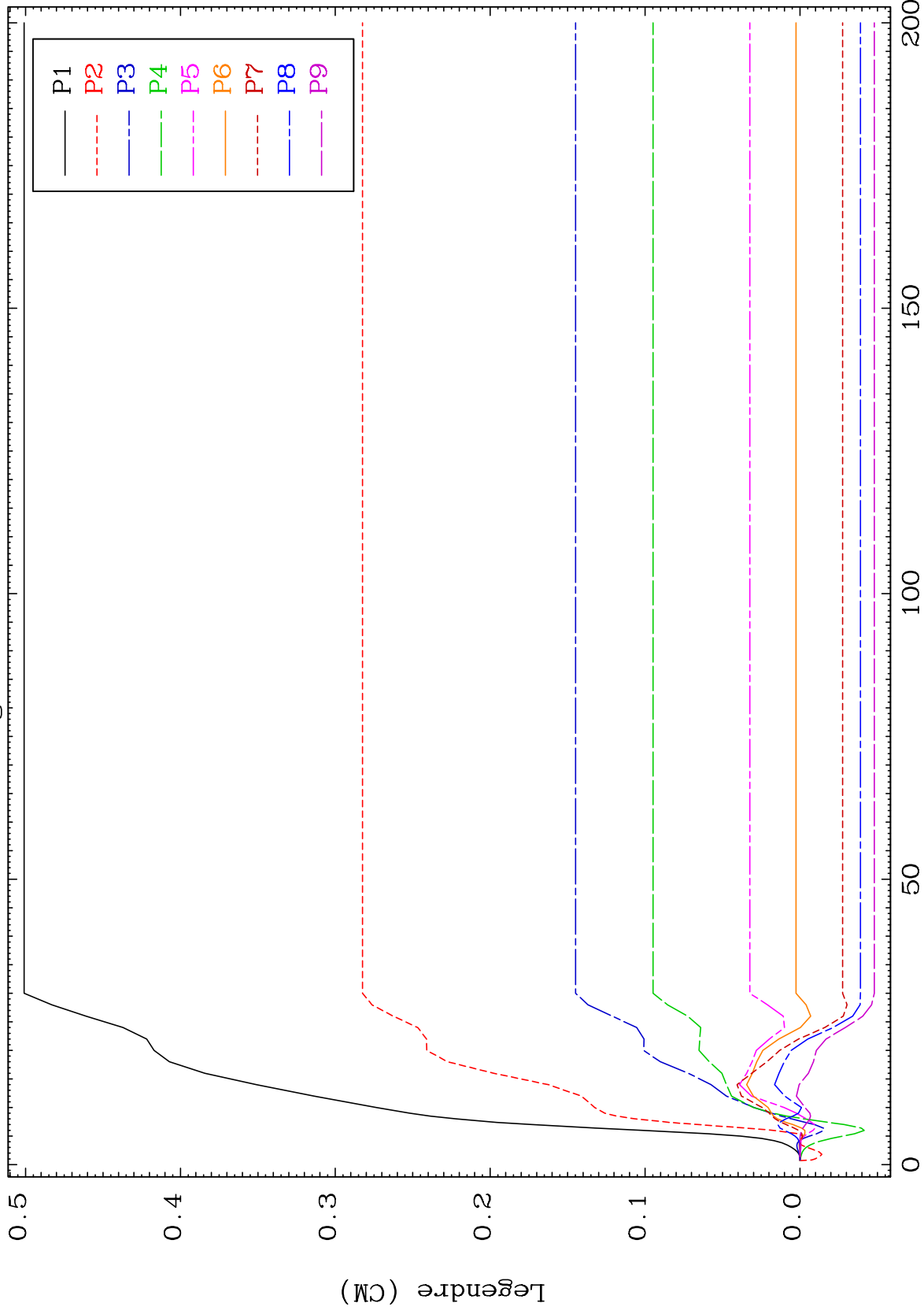
53-I -123

MAT 5313

MT= 59 (n,n') Level

53-I -123

Legendre Coefficients



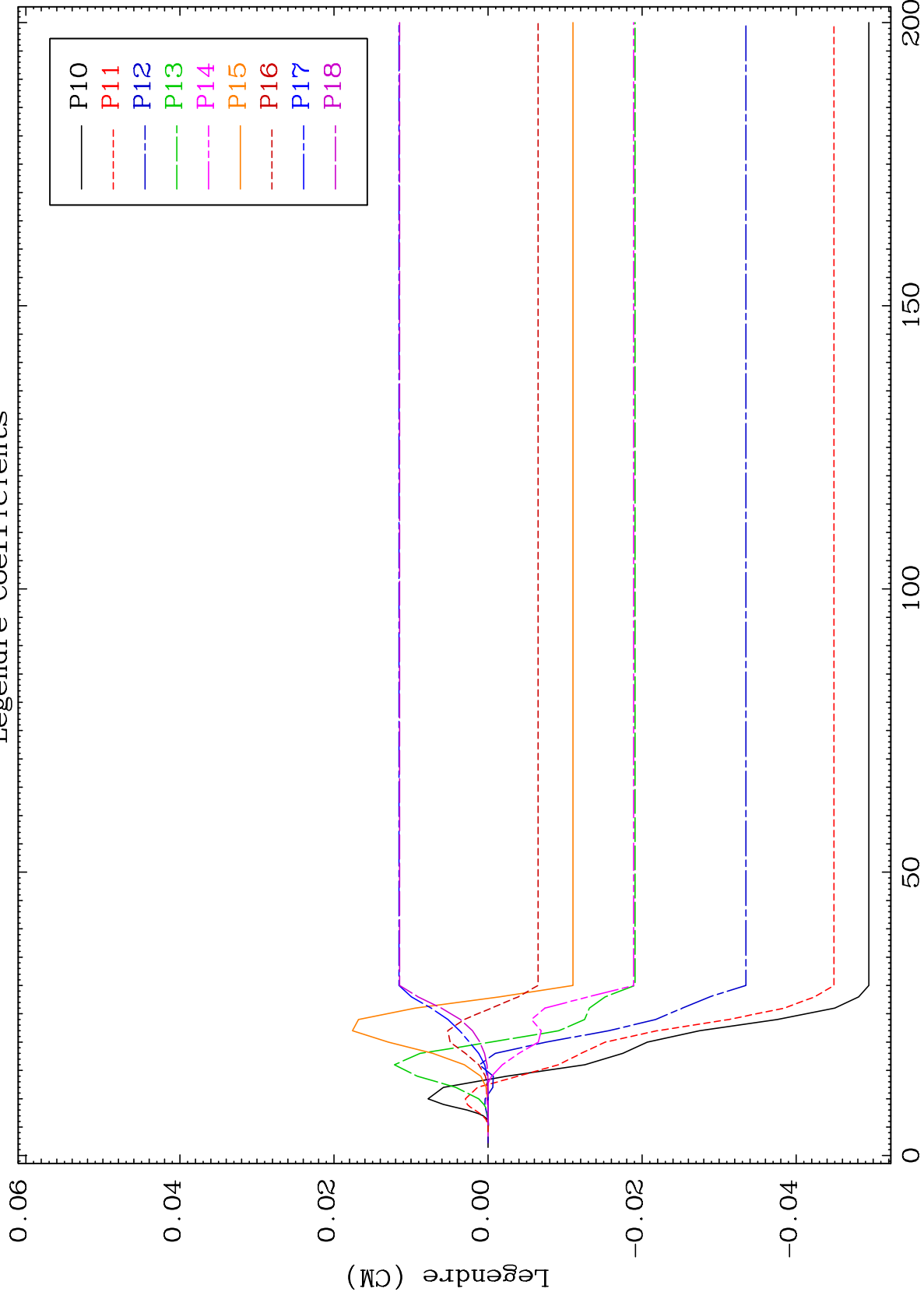
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53-I -123

MAT 5313

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

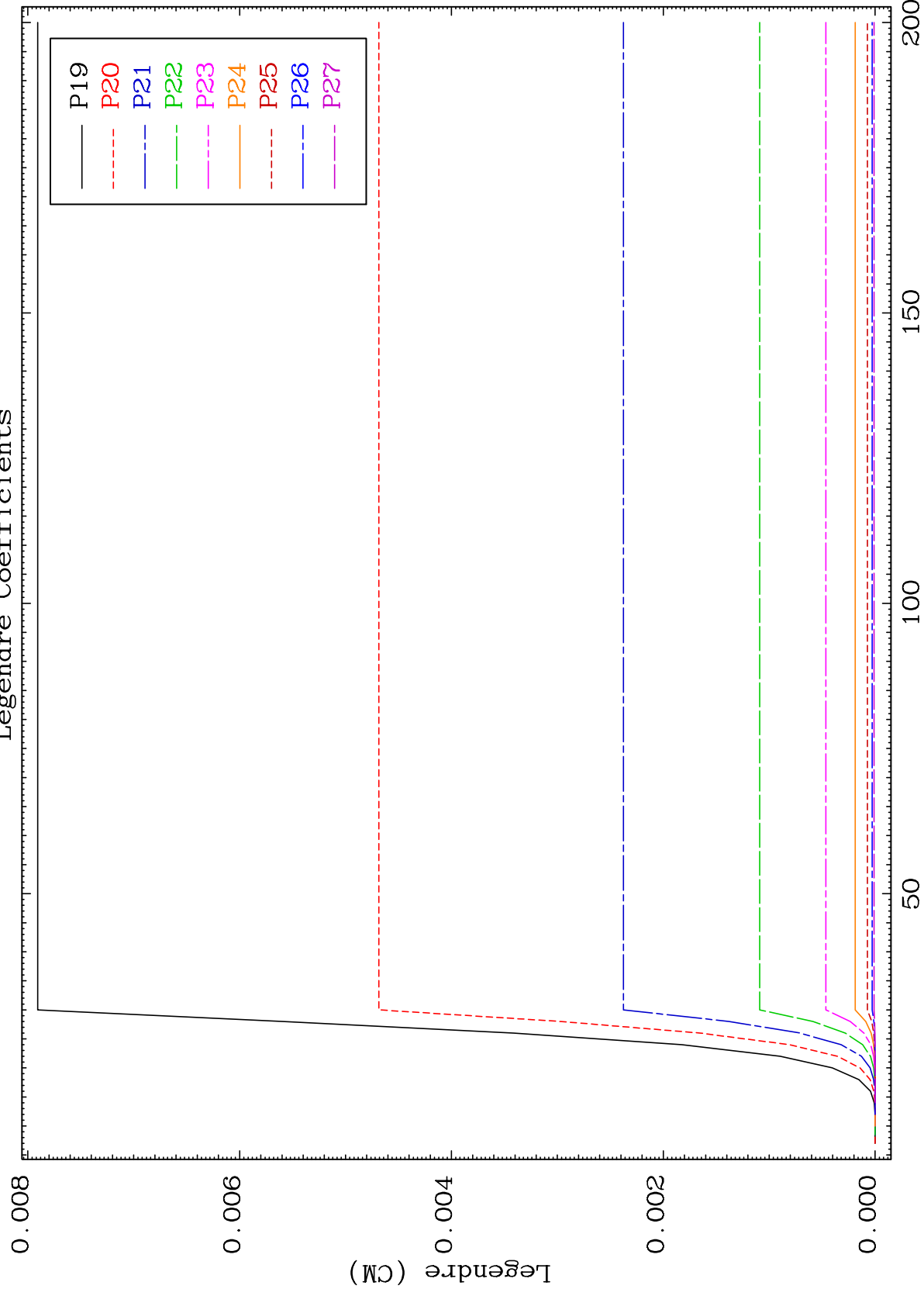
53-I -123



53-I -123

Incident Energy (MeV)

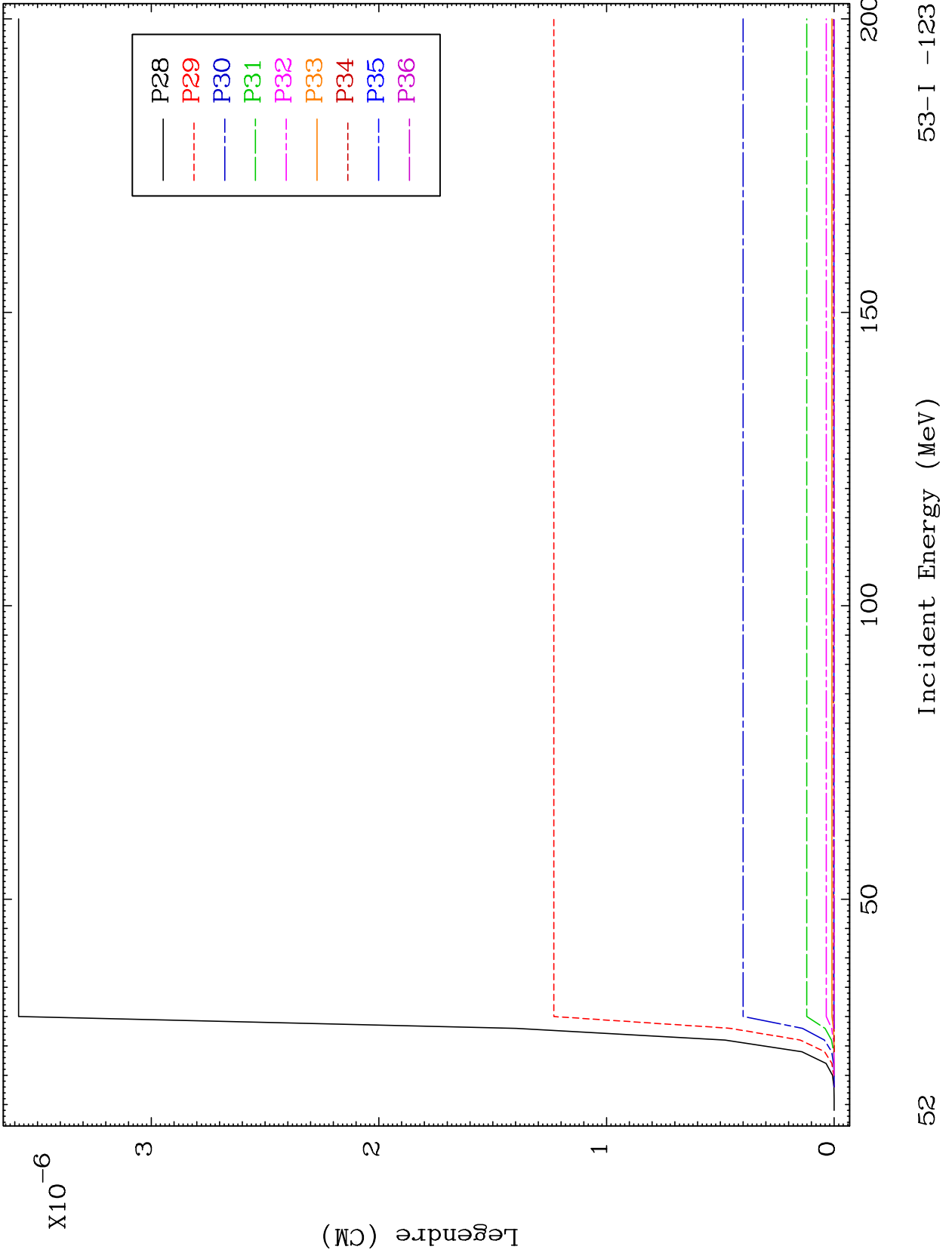
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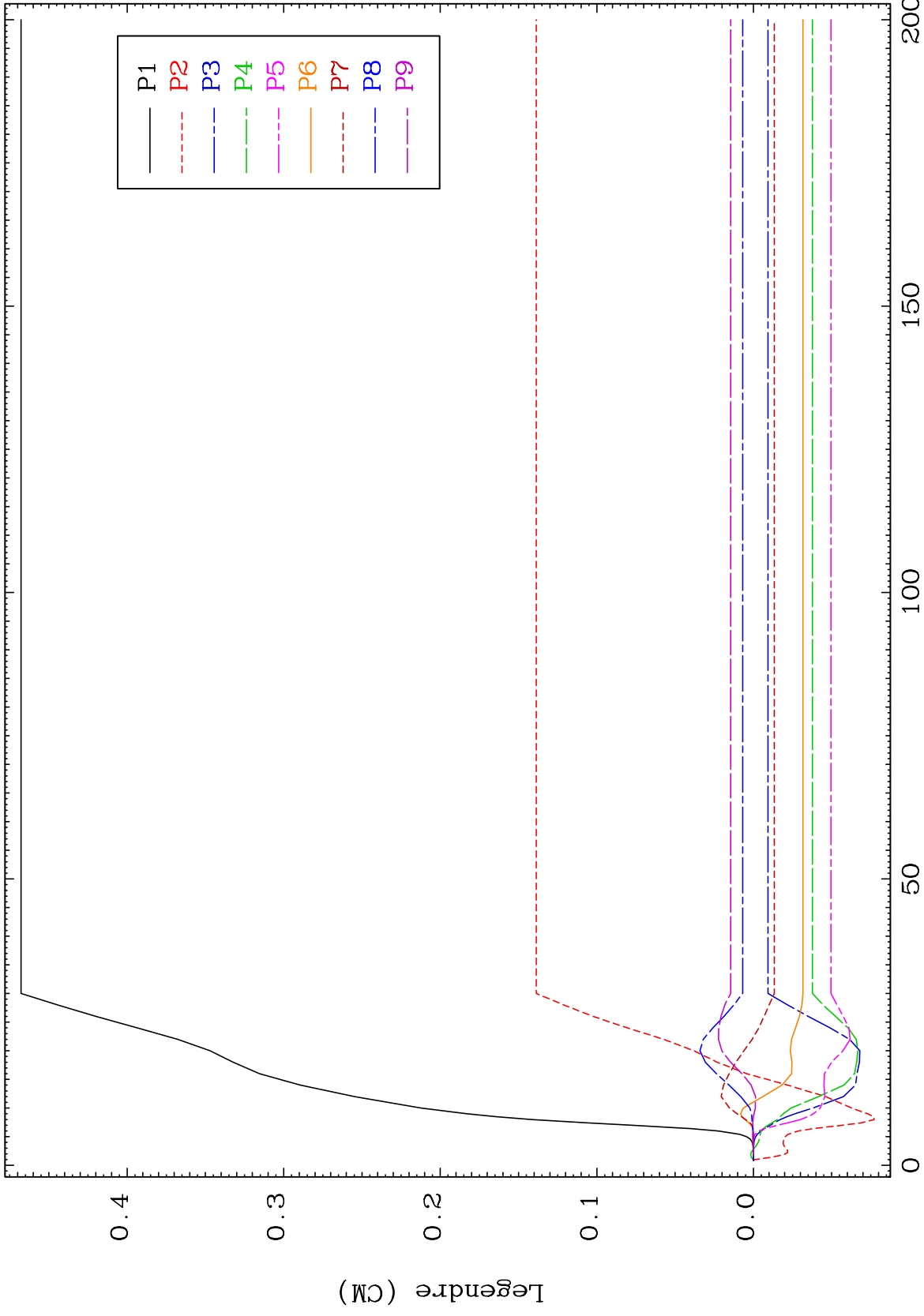


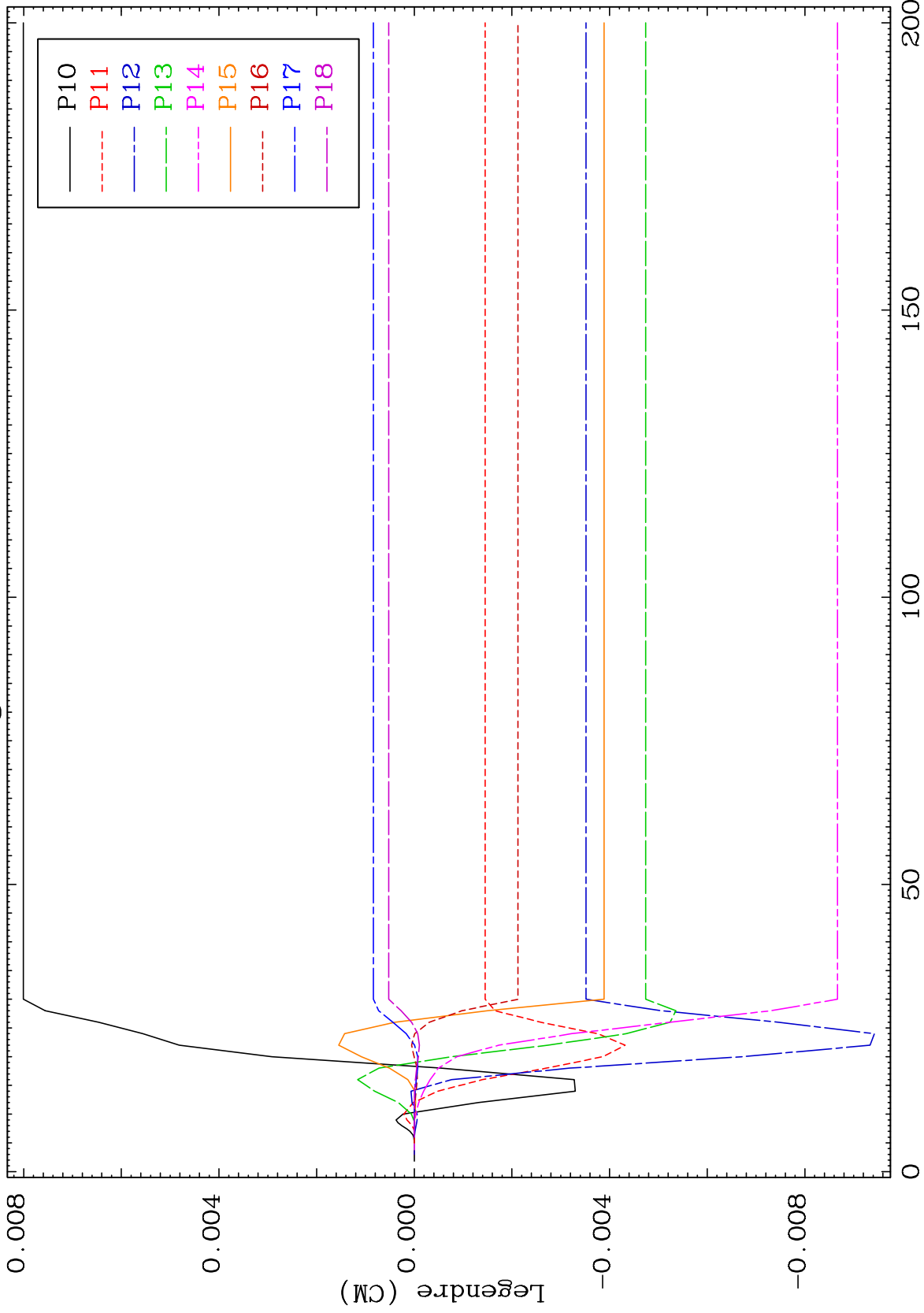
MAT 5313

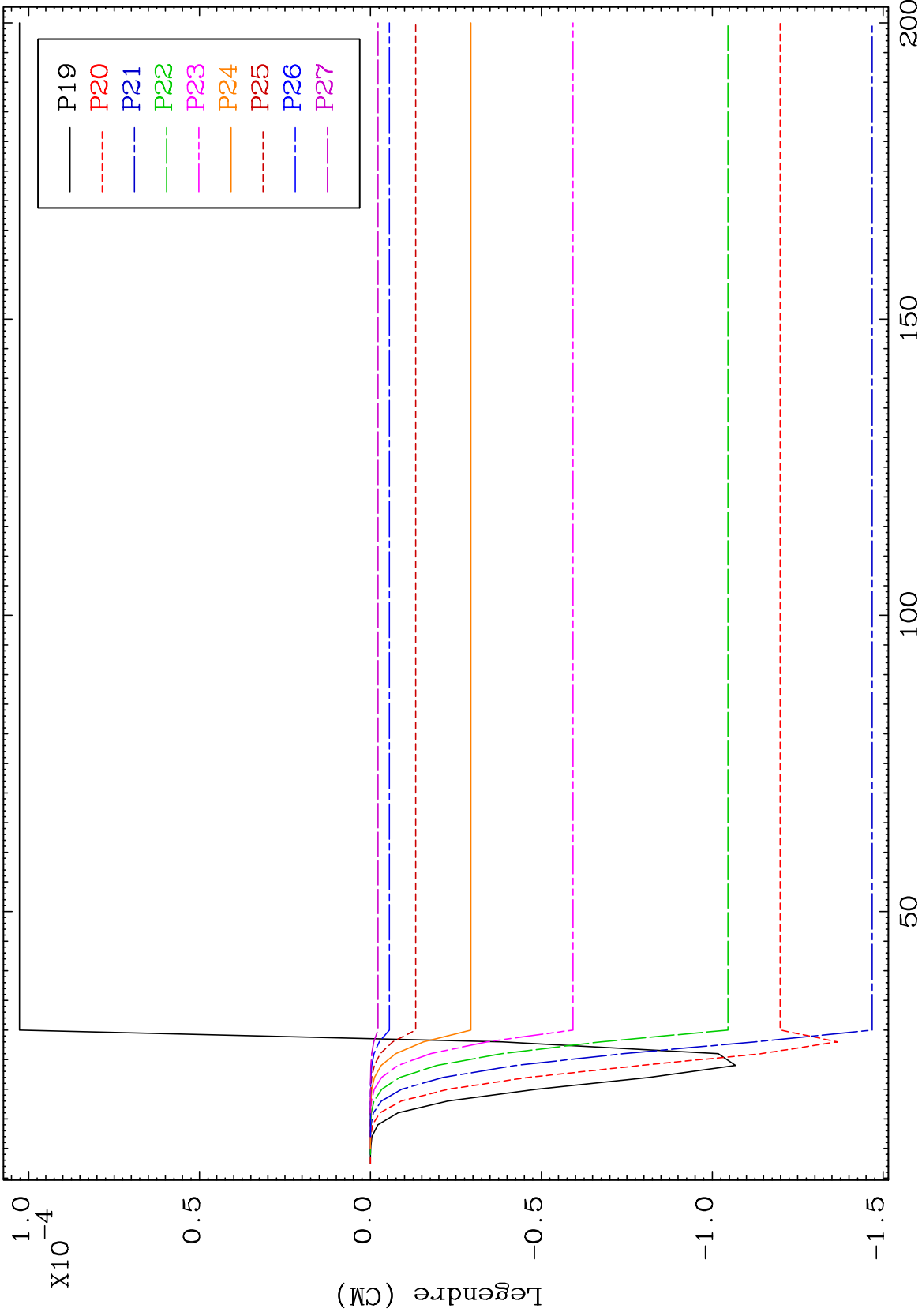
MT= 59 (n,n') Level
Legendre Coefficients

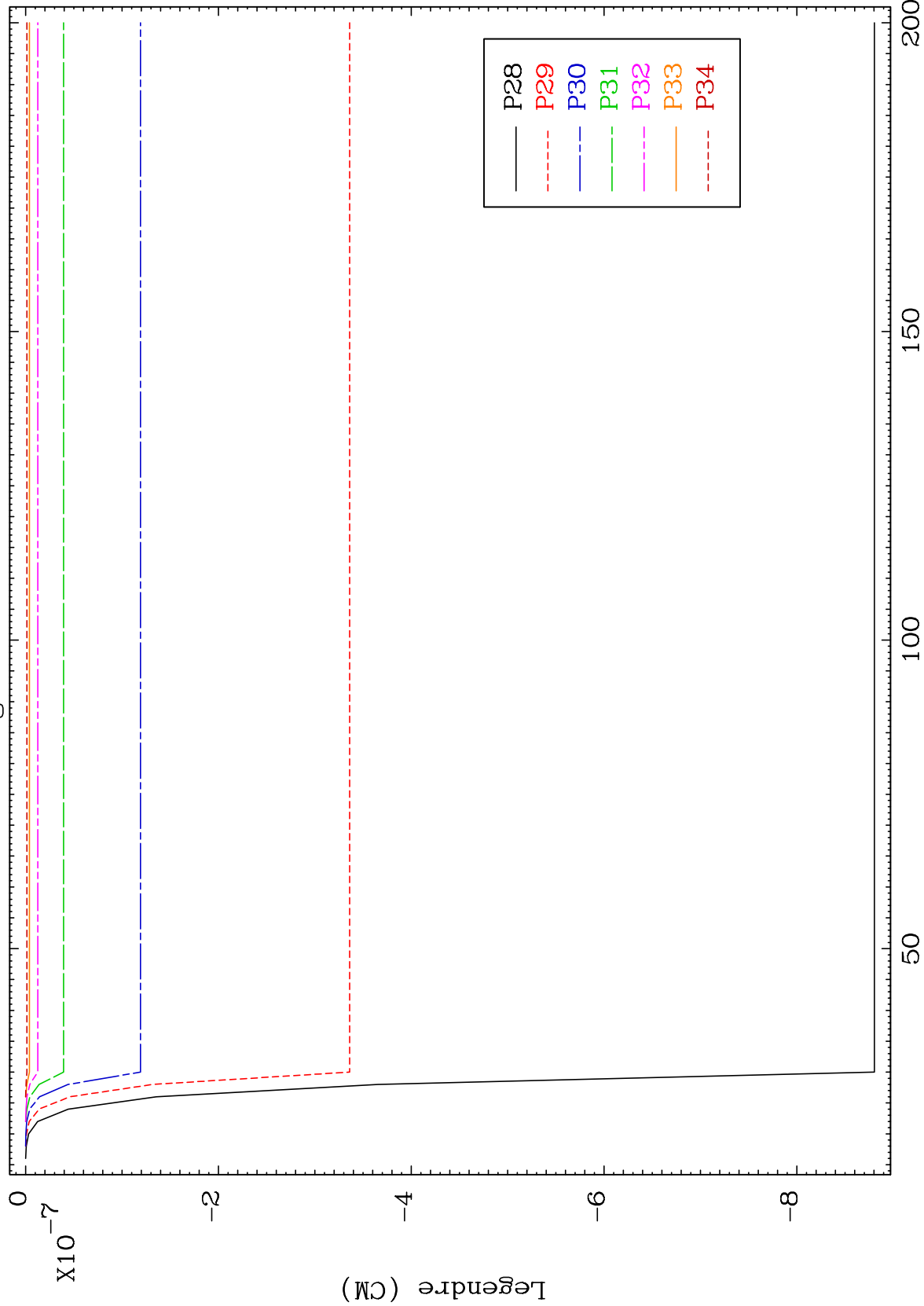
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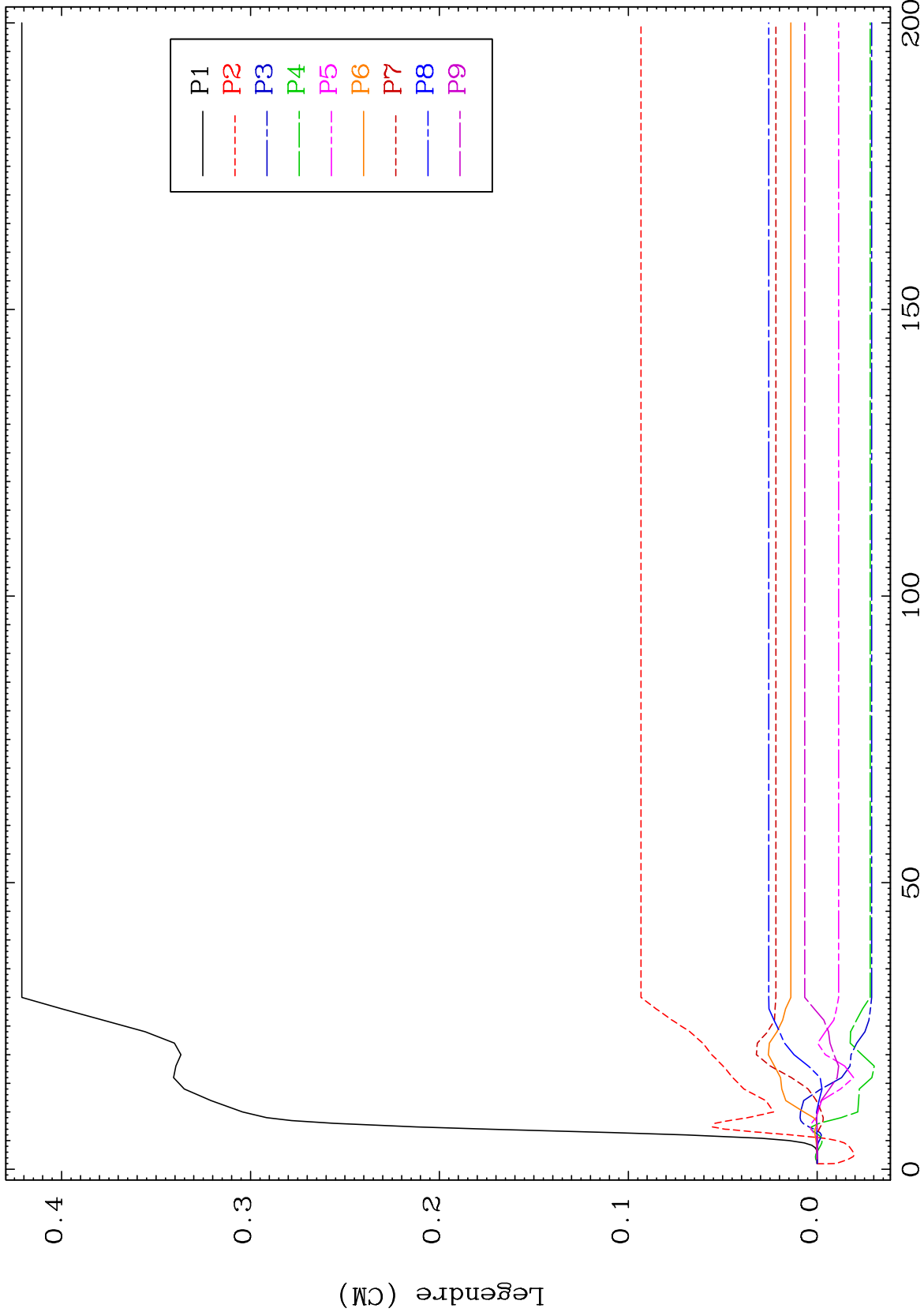








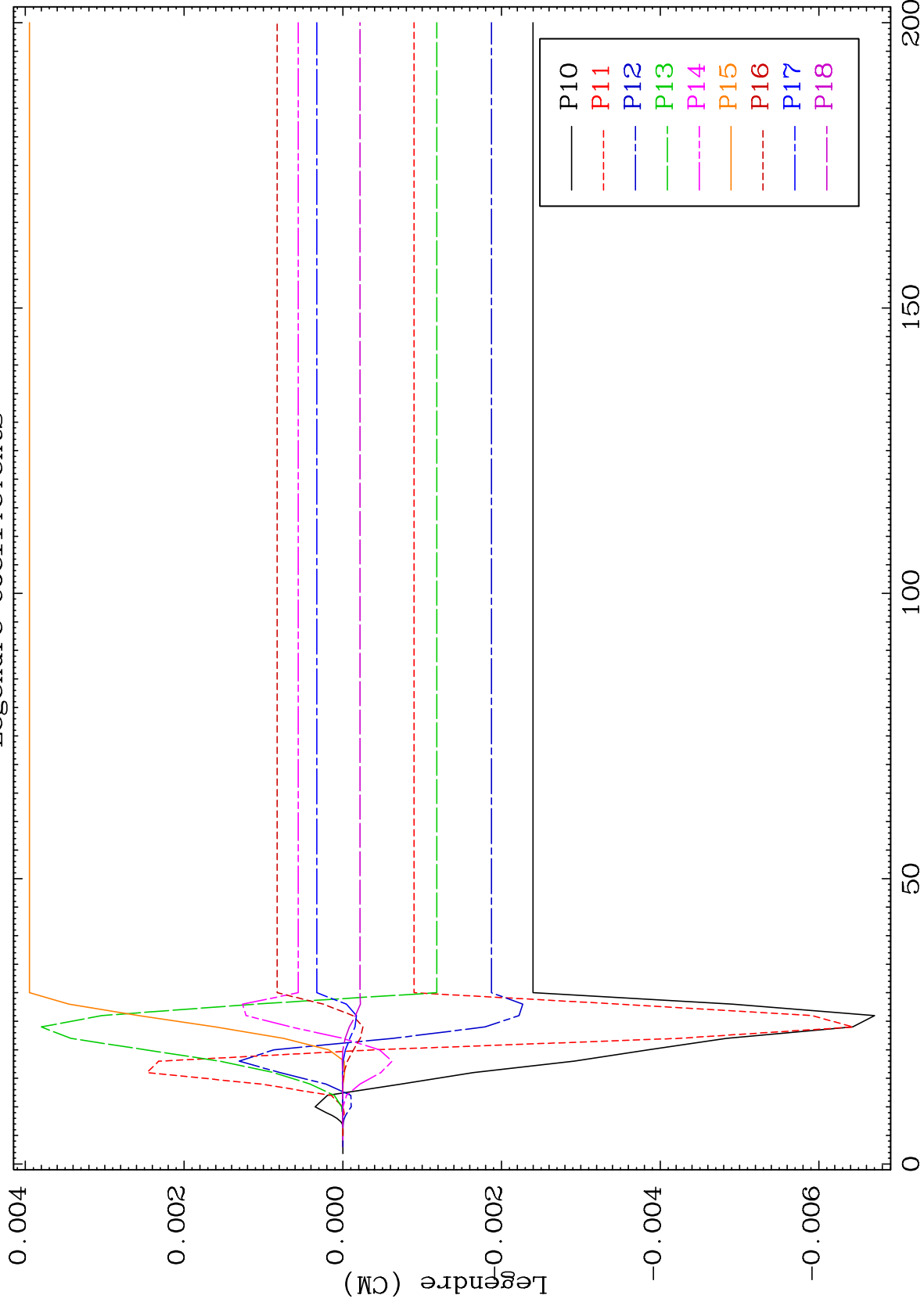




MAT 5313

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

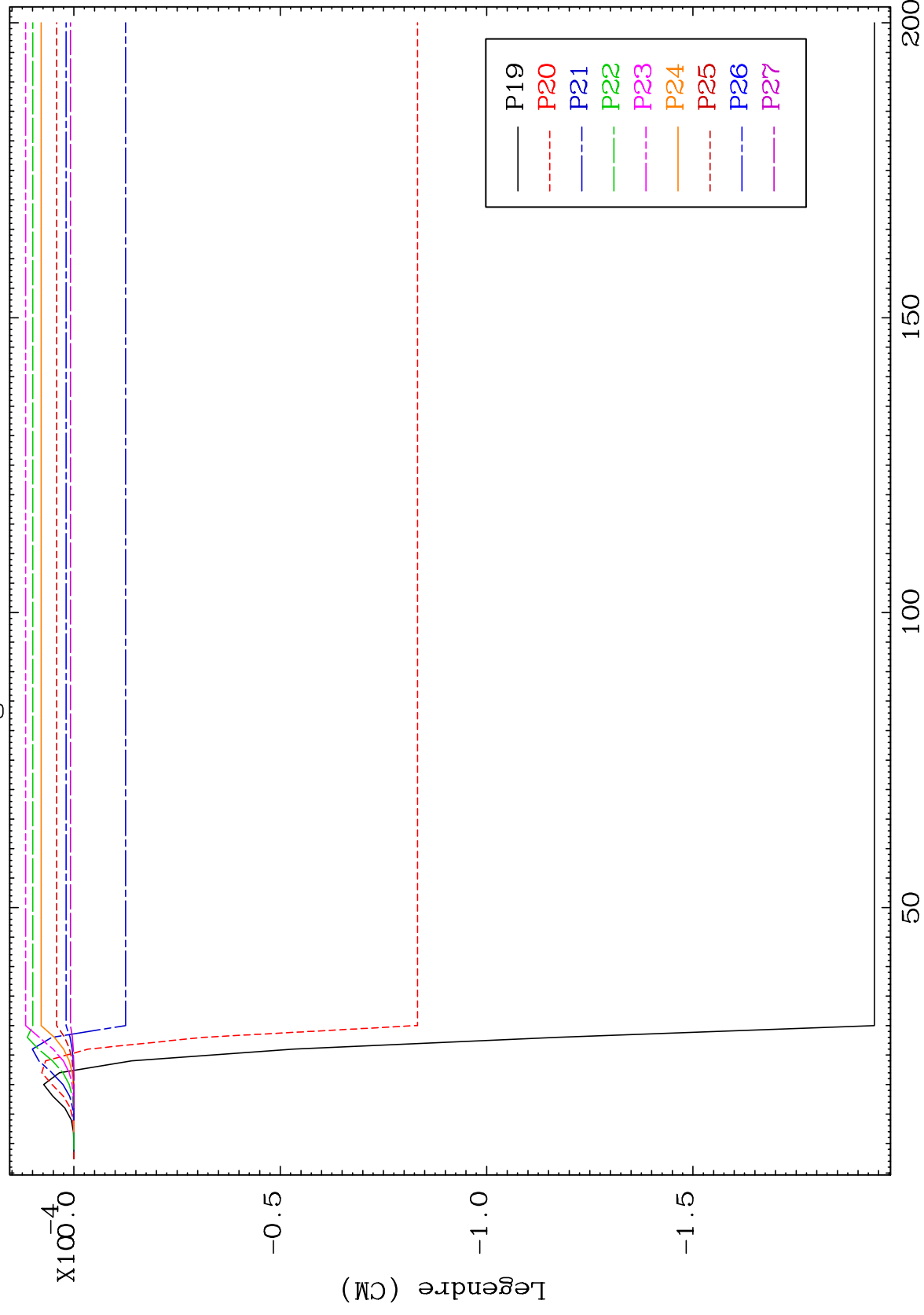
53-I -123



58

Incident Energy (MeV)

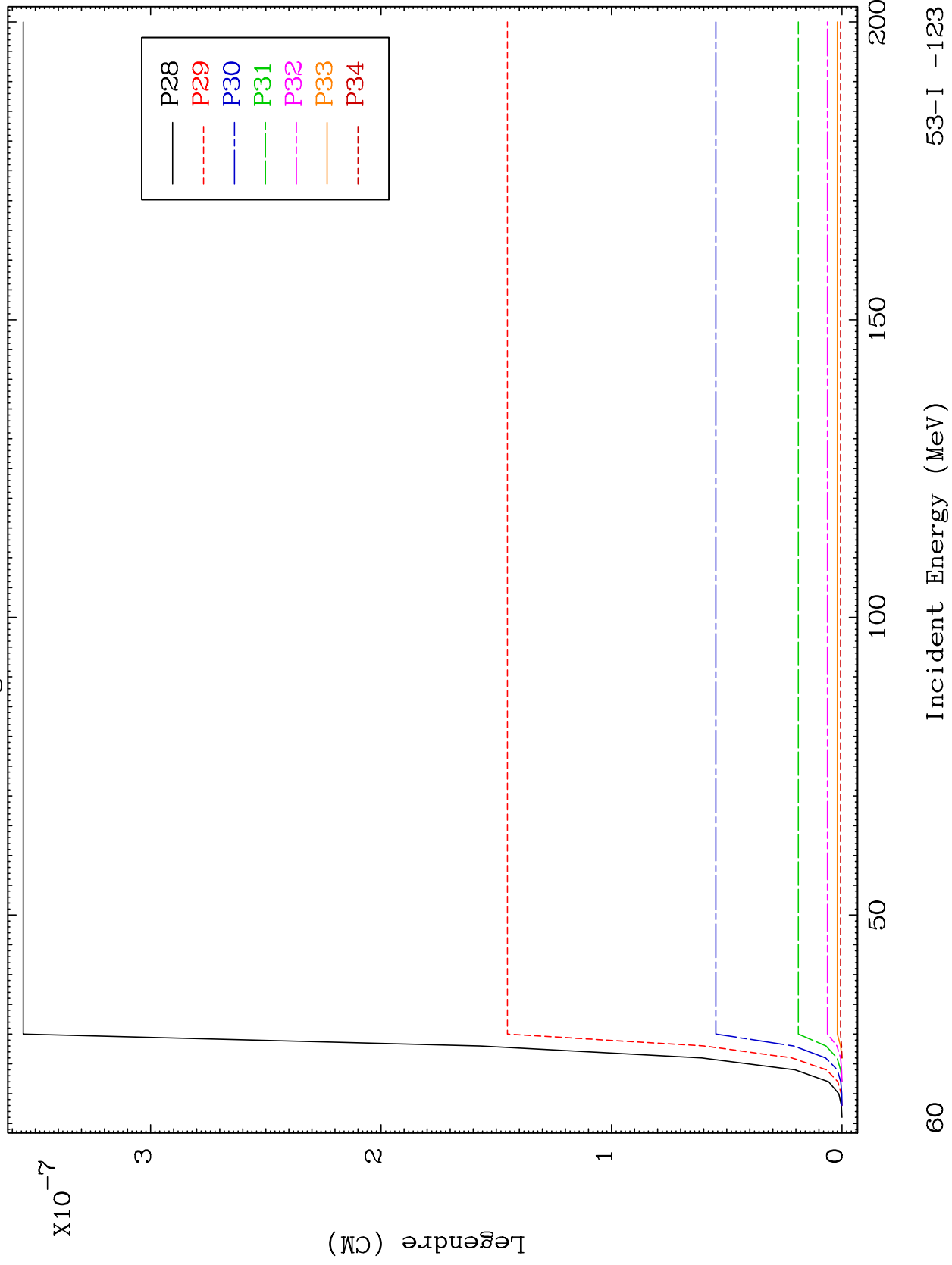
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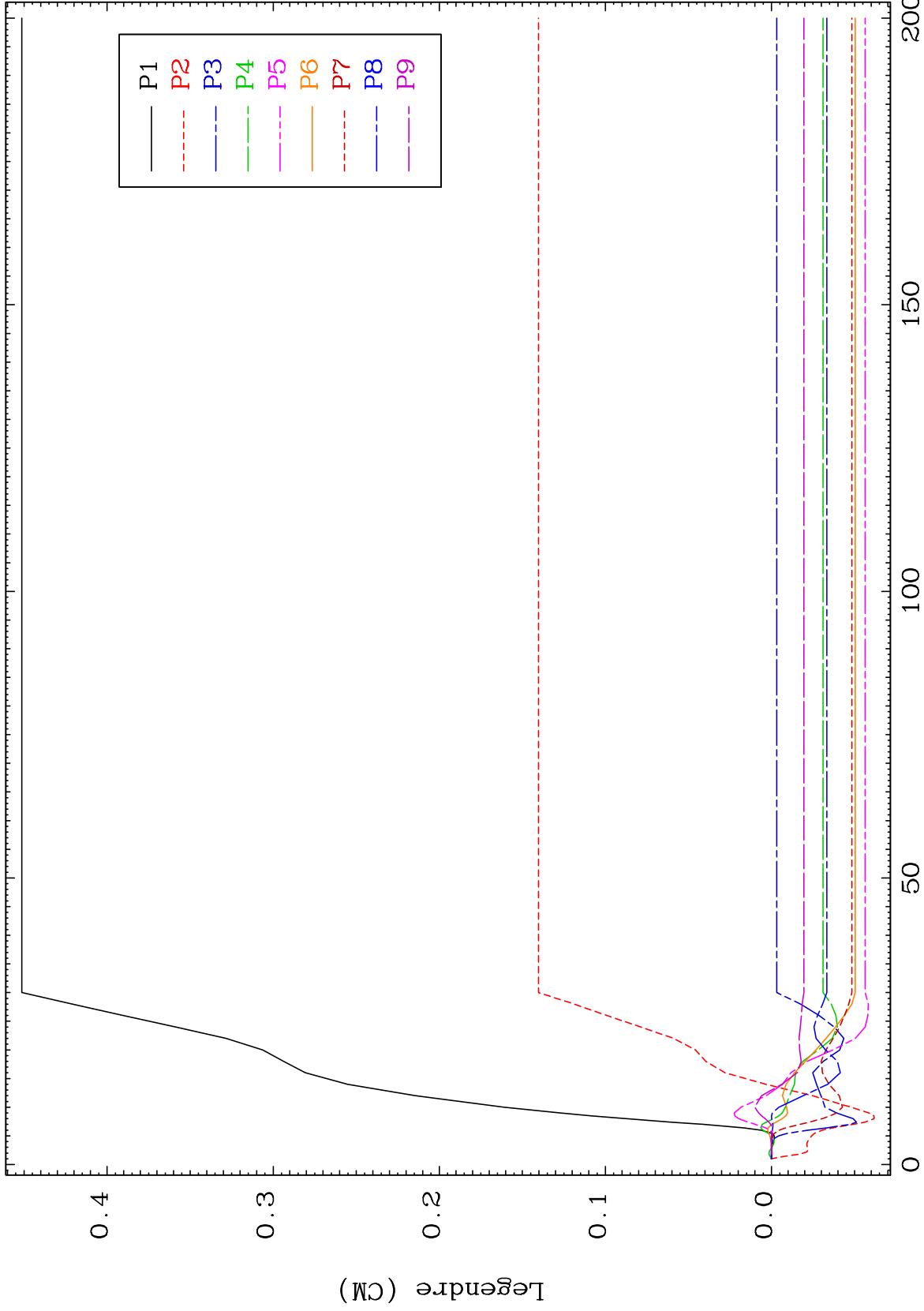


MAT 5313

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

53-I -123

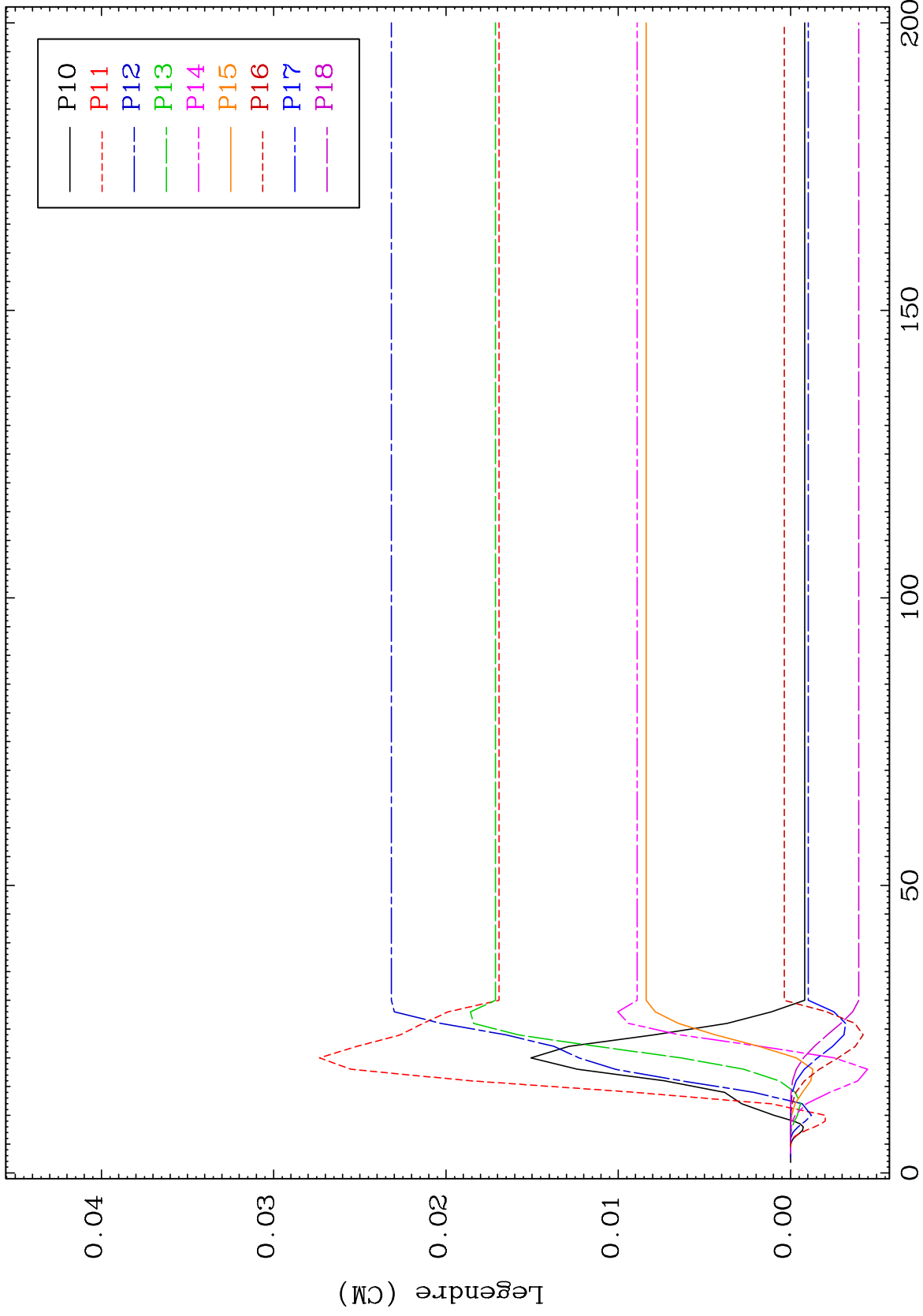




MAT 5313

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

53-I -123



62

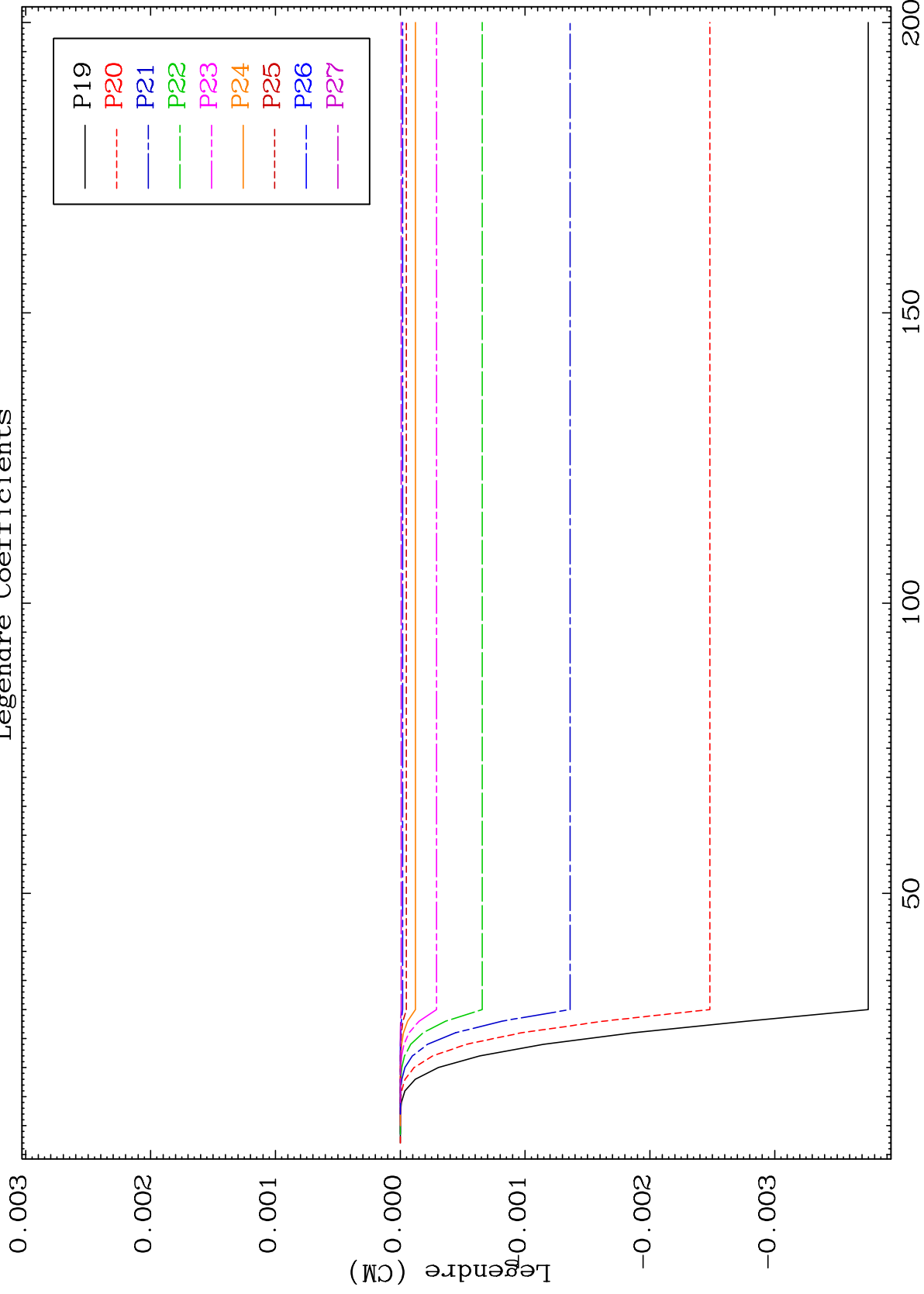
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



63

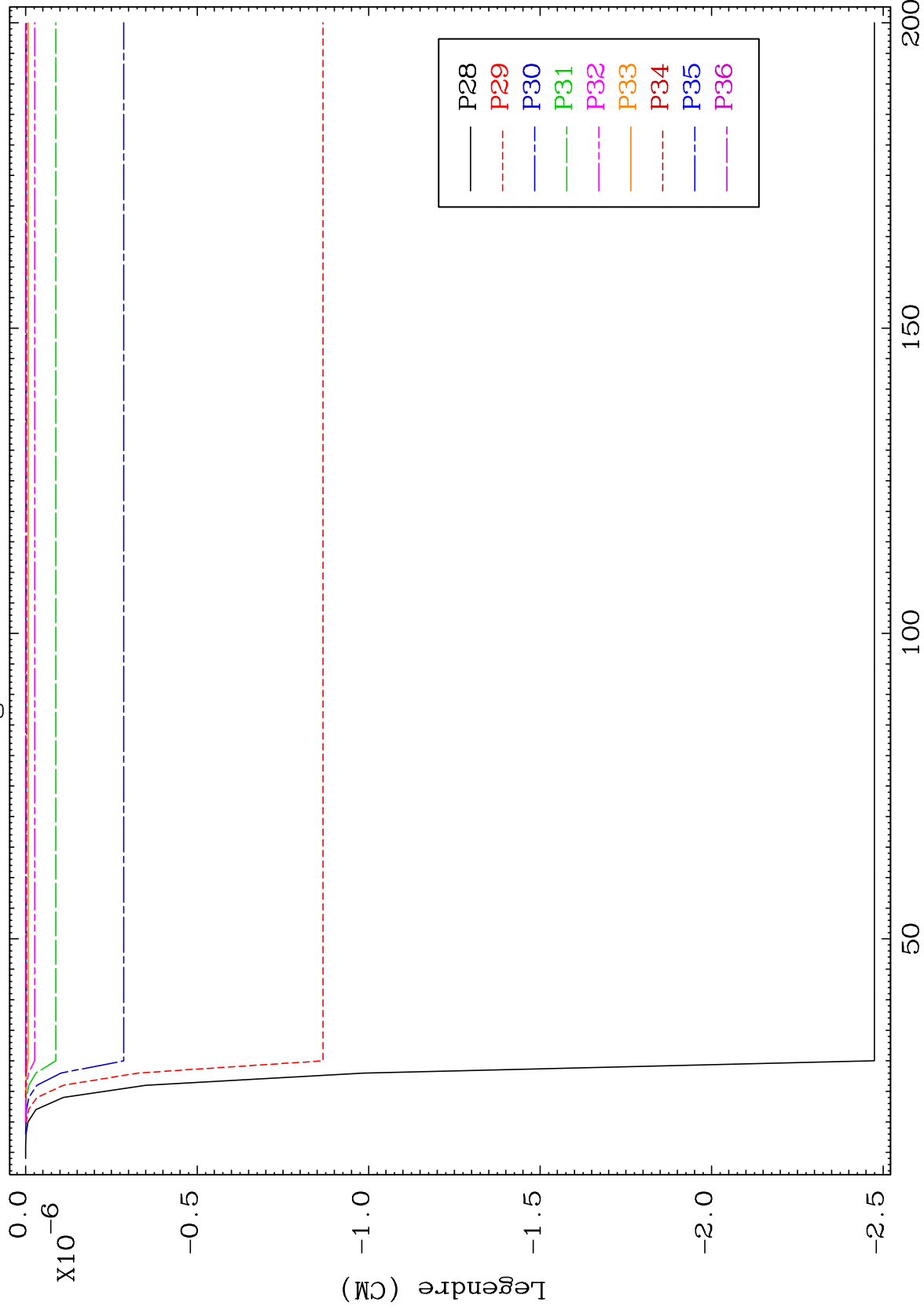
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



64

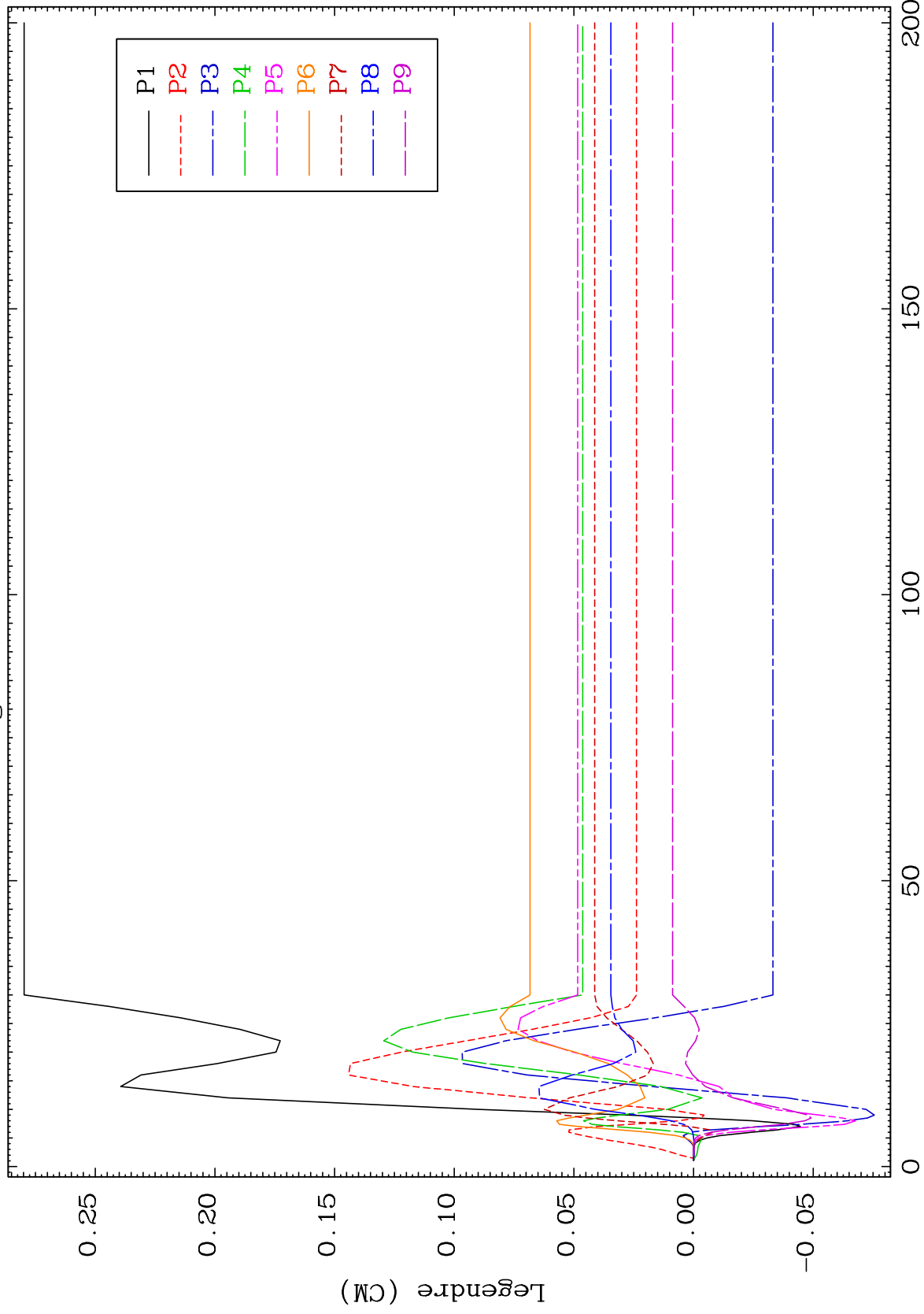
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



65

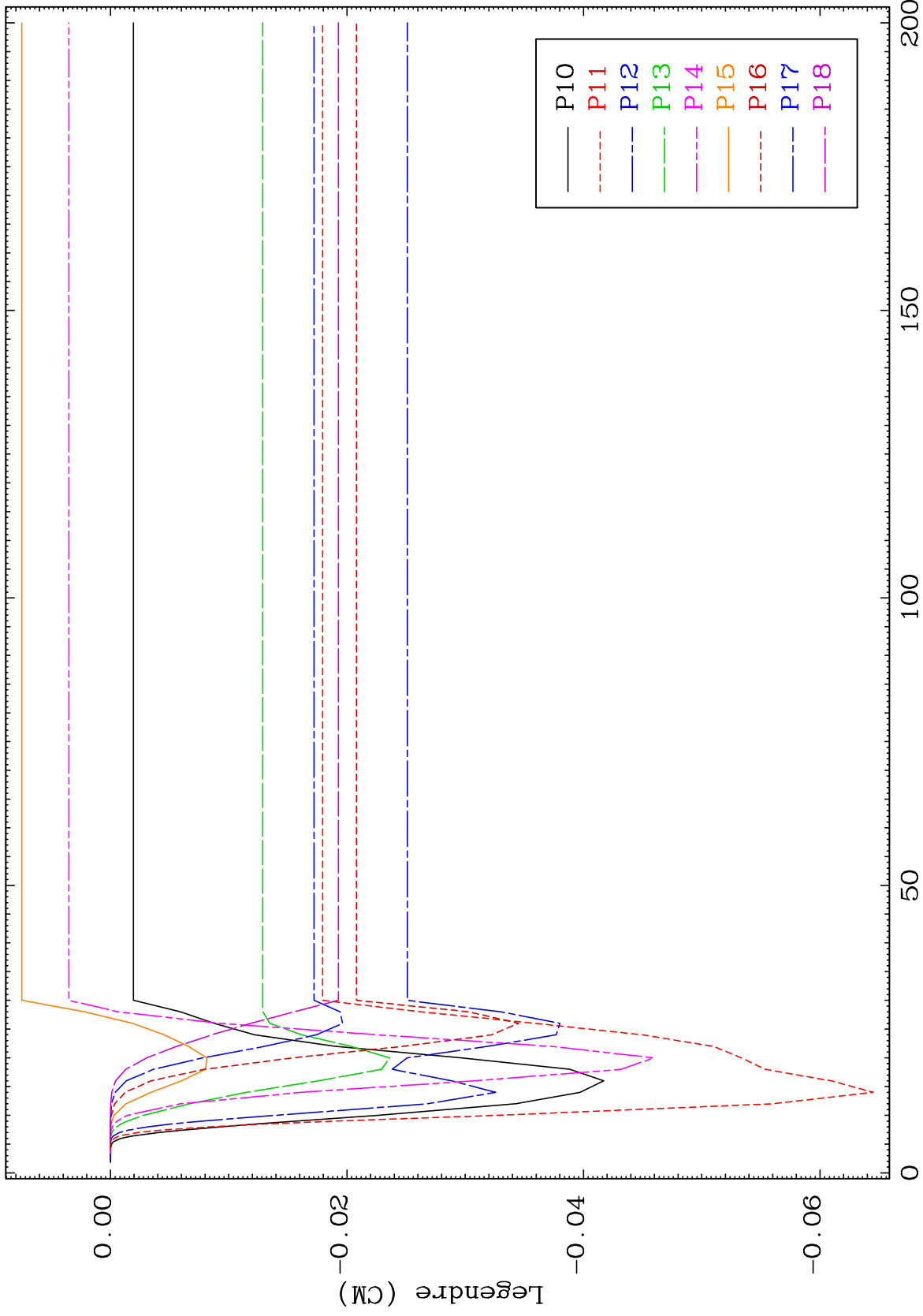
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



66

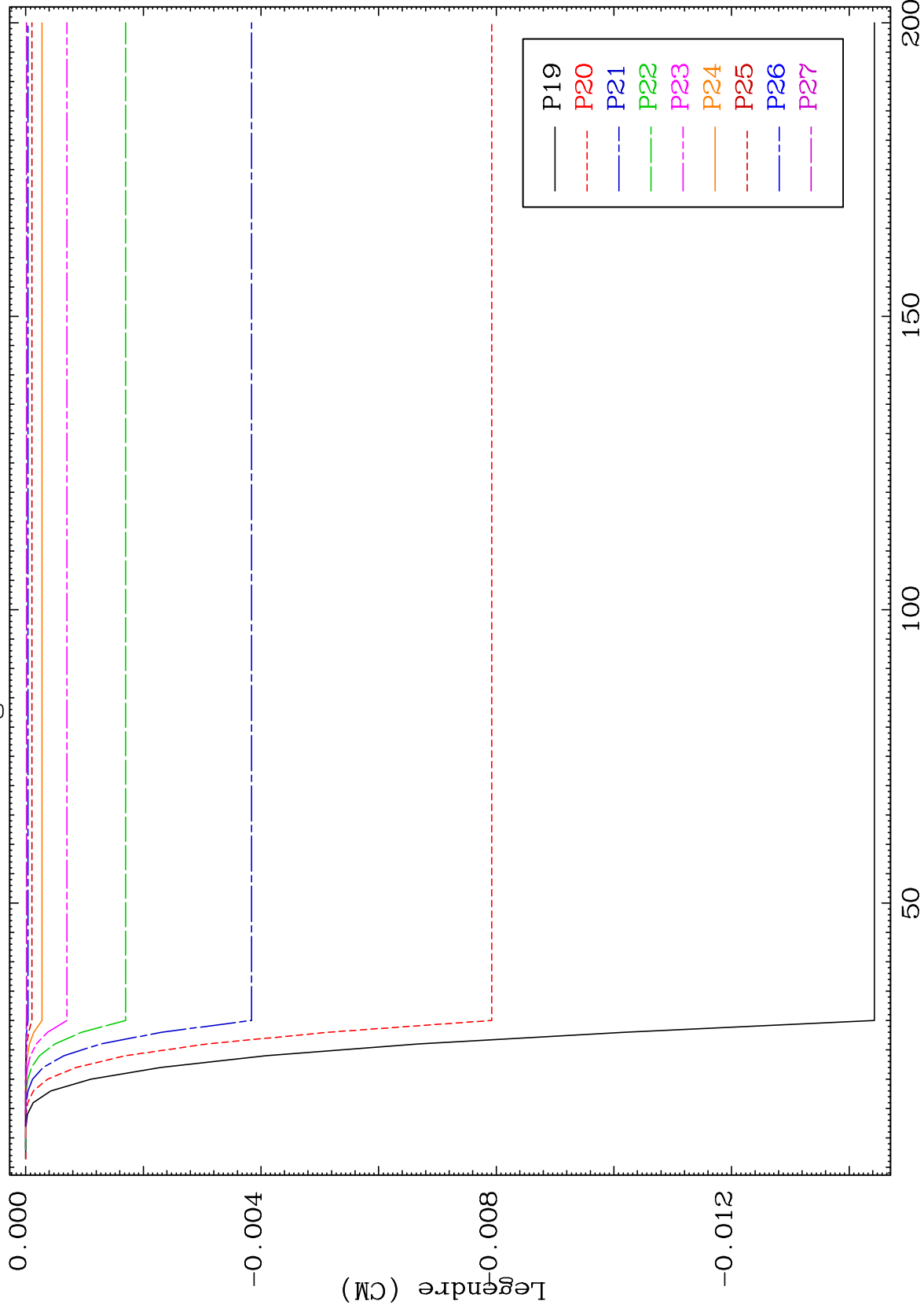
Incident Energy (MeV)

53-I -123

MAT 5313

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

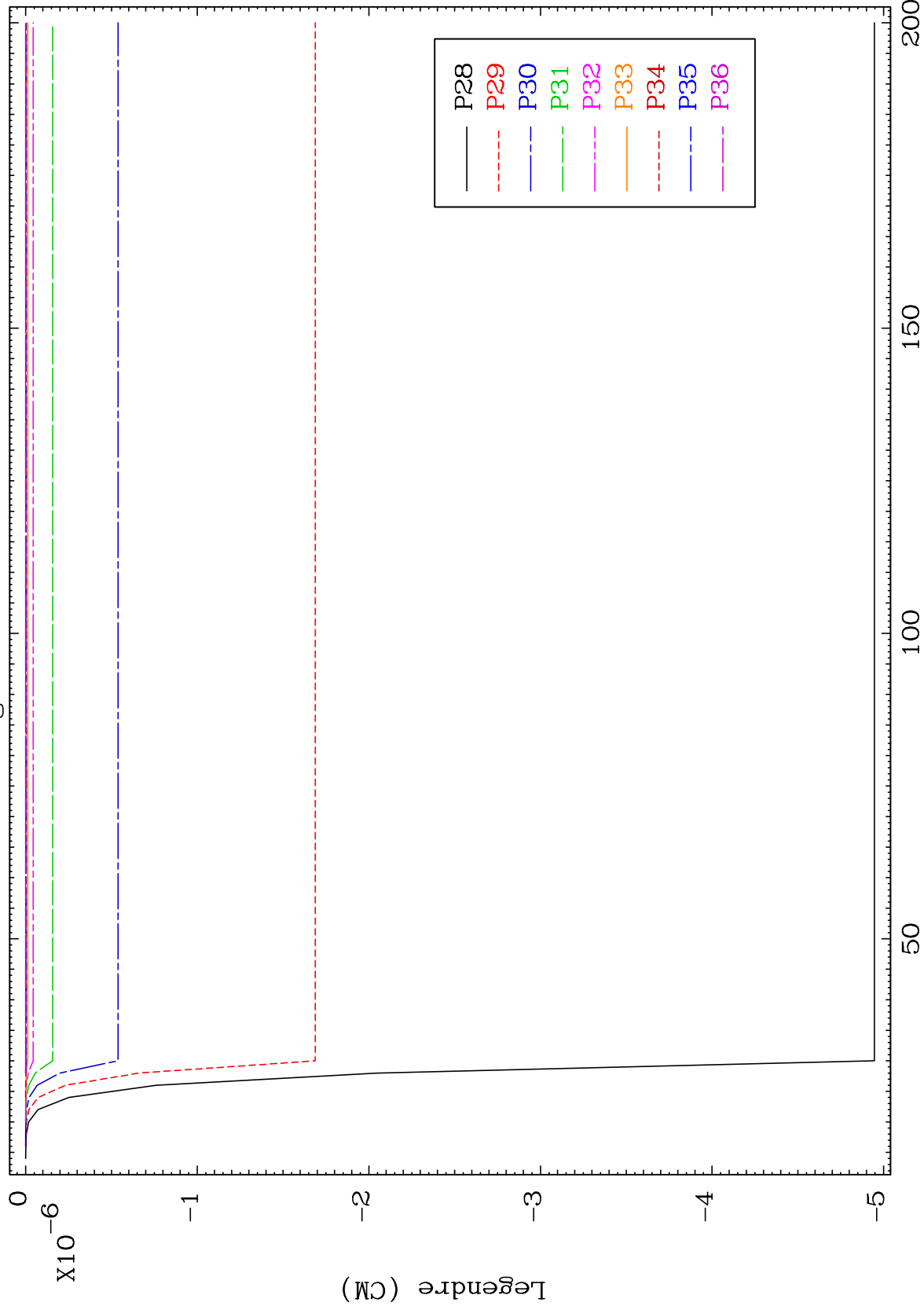
53-I -123



MAT 5313

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

53-I -123



68

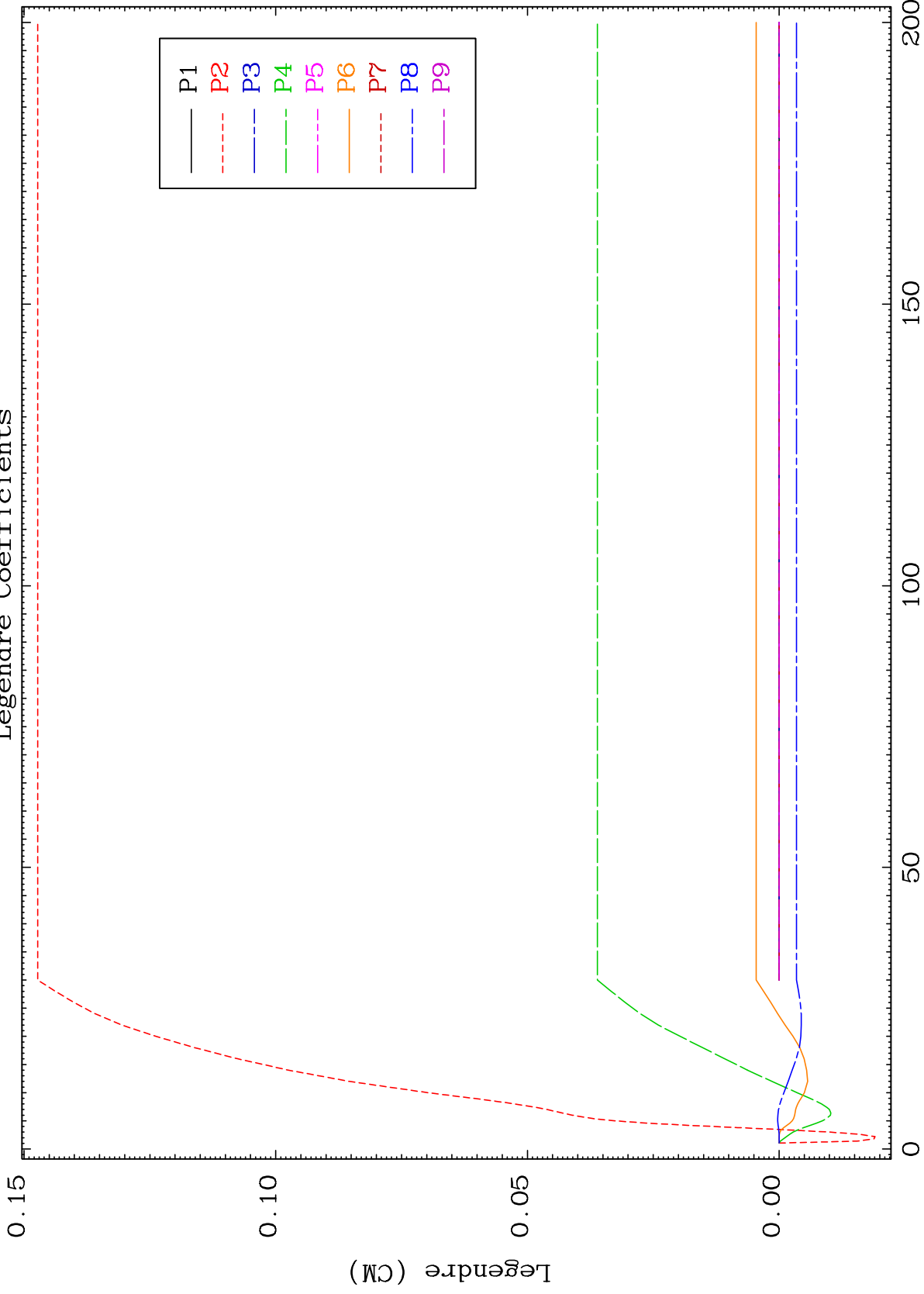
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



69

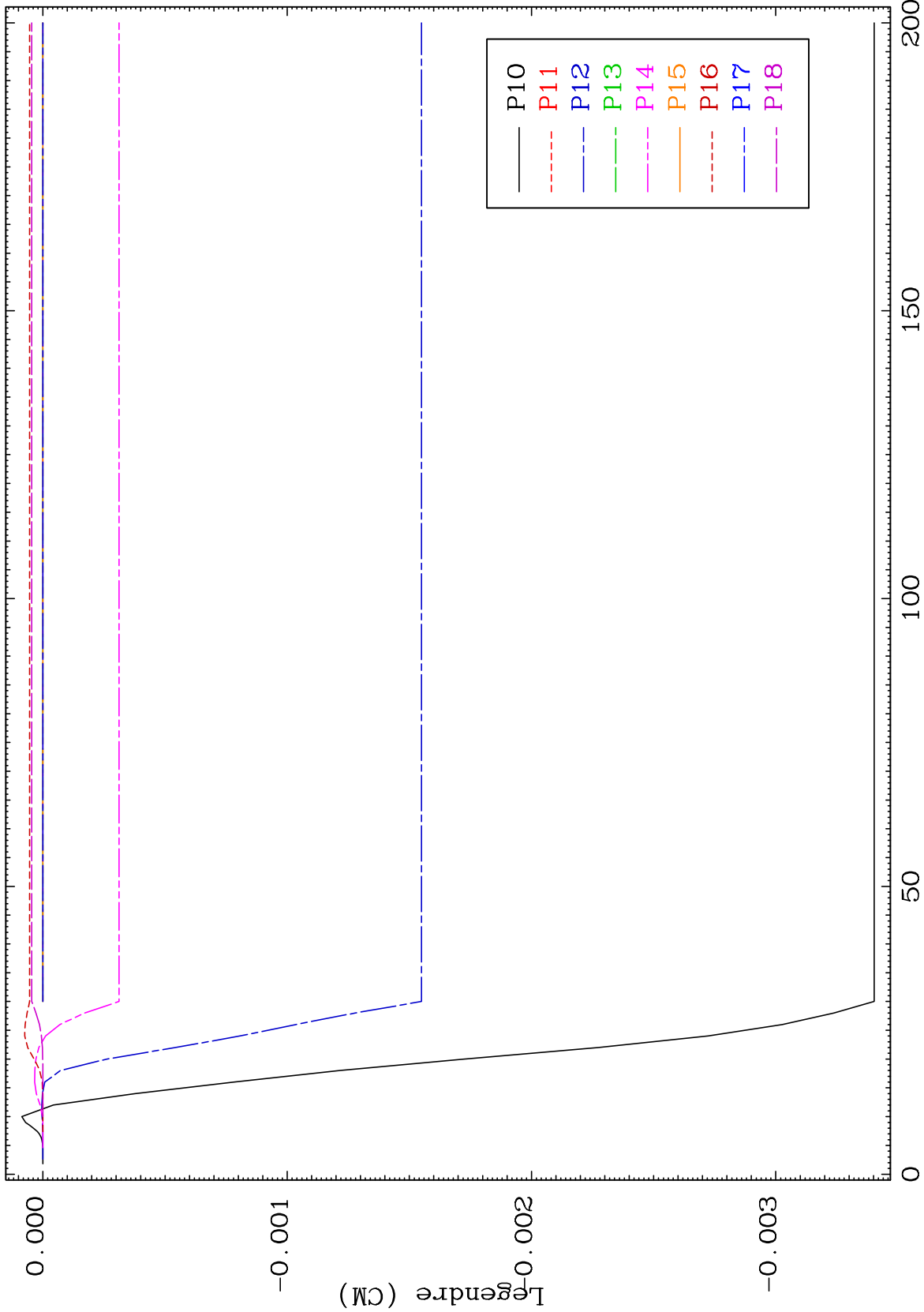
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



70

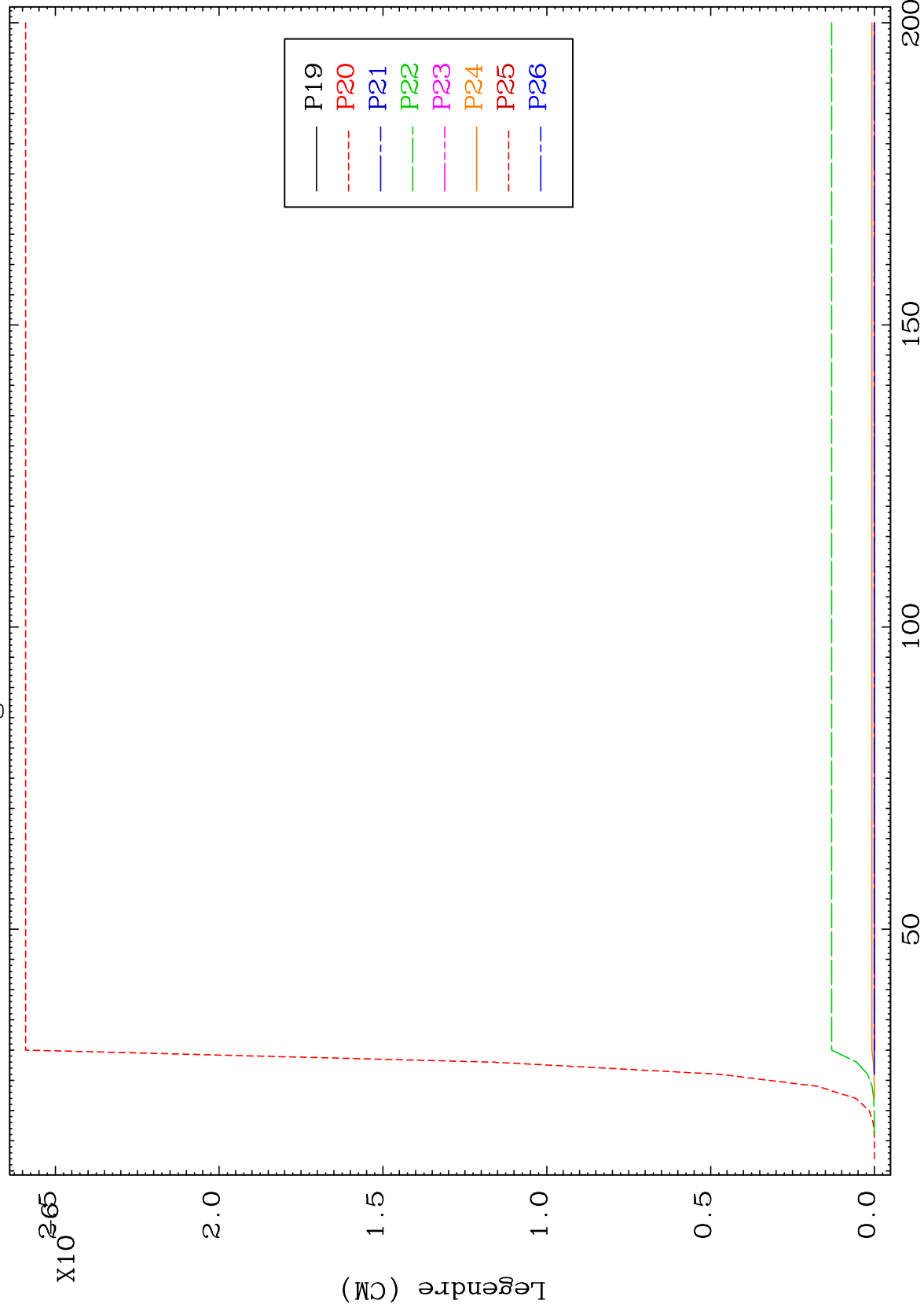
Incident Energy (MeV)

53-I -123

MAT 5313

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

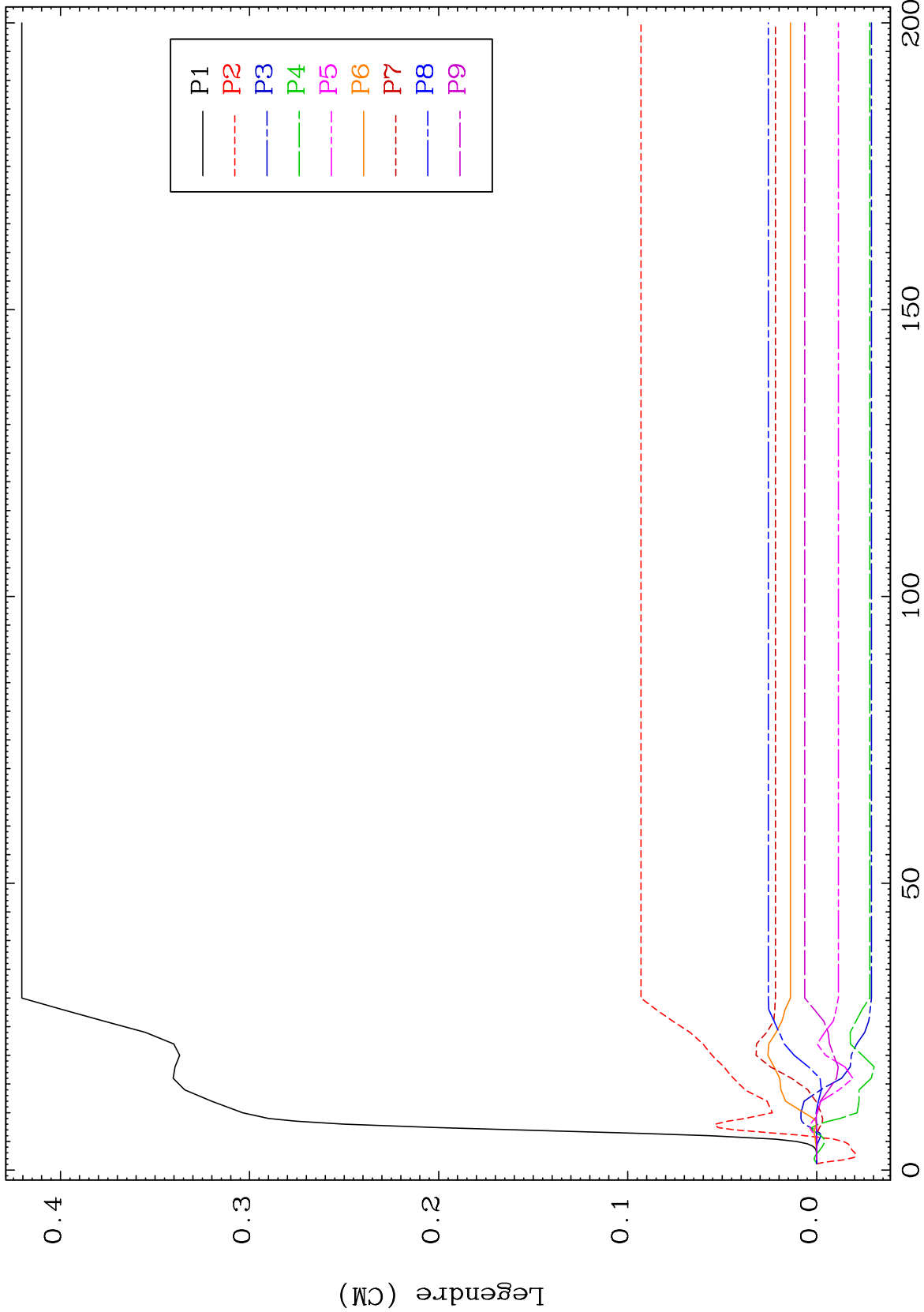
53-I -123

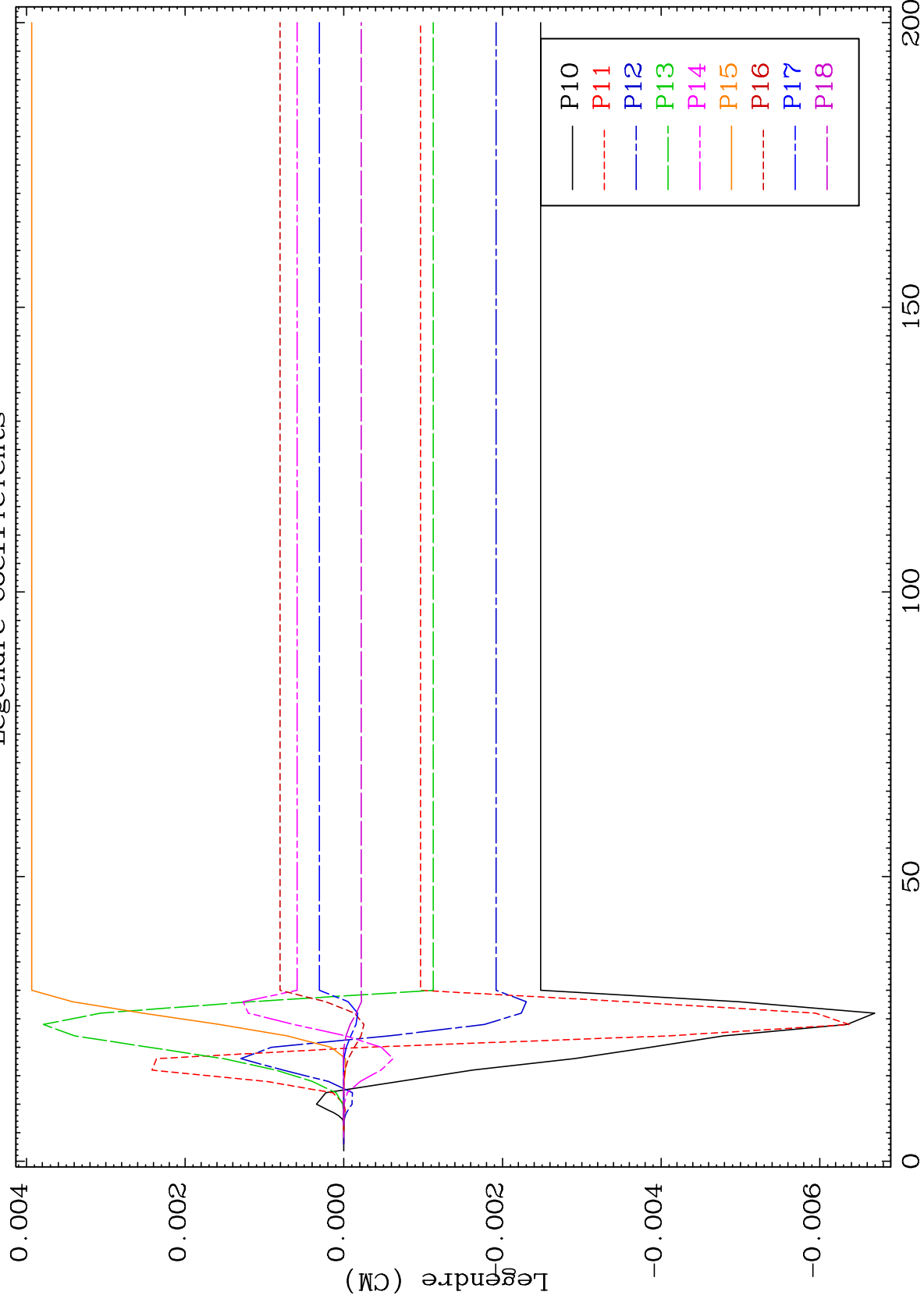


71

Incident Energy (MeV)

53-I -123

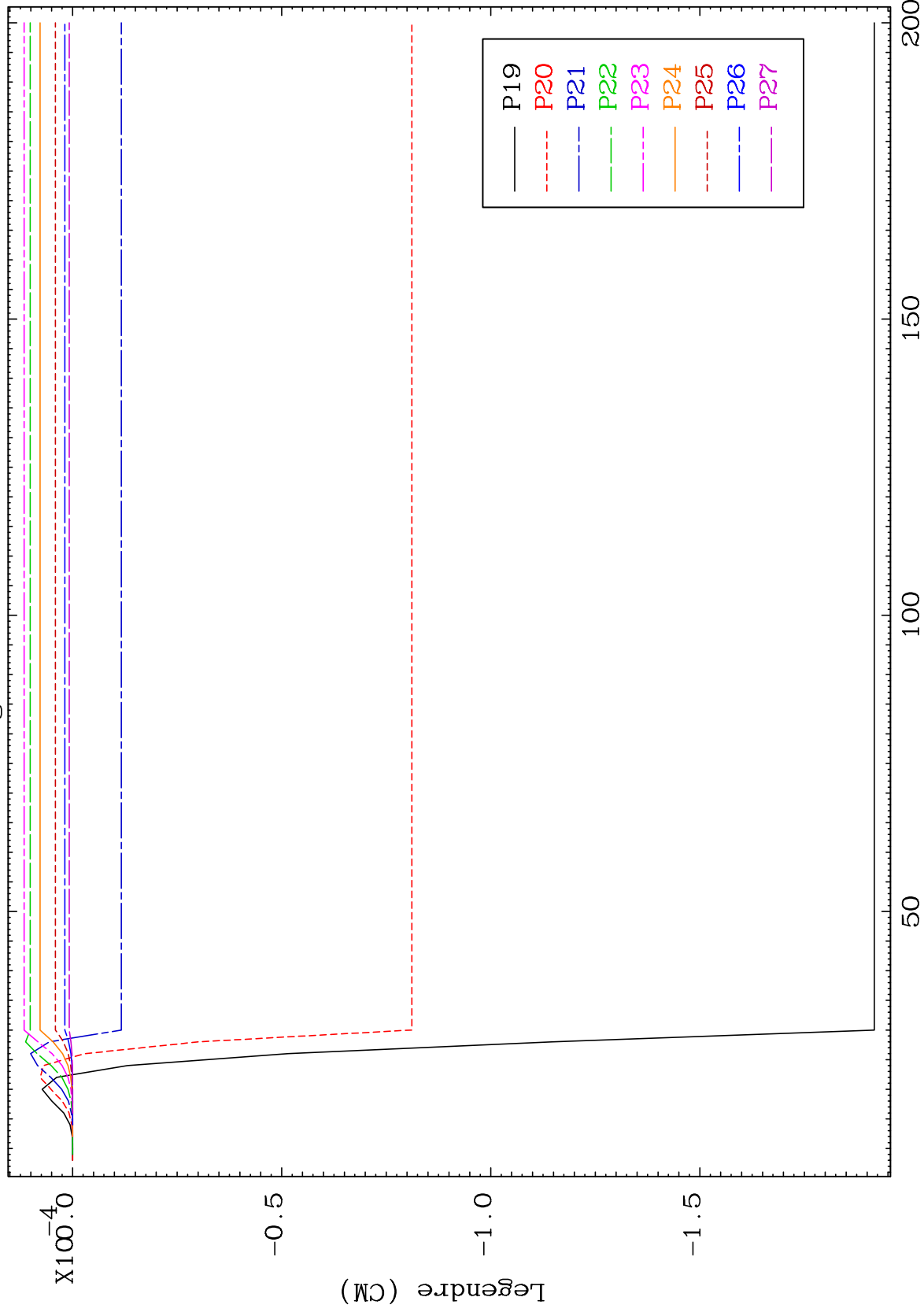




MAT 5313

53-I -123

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



74

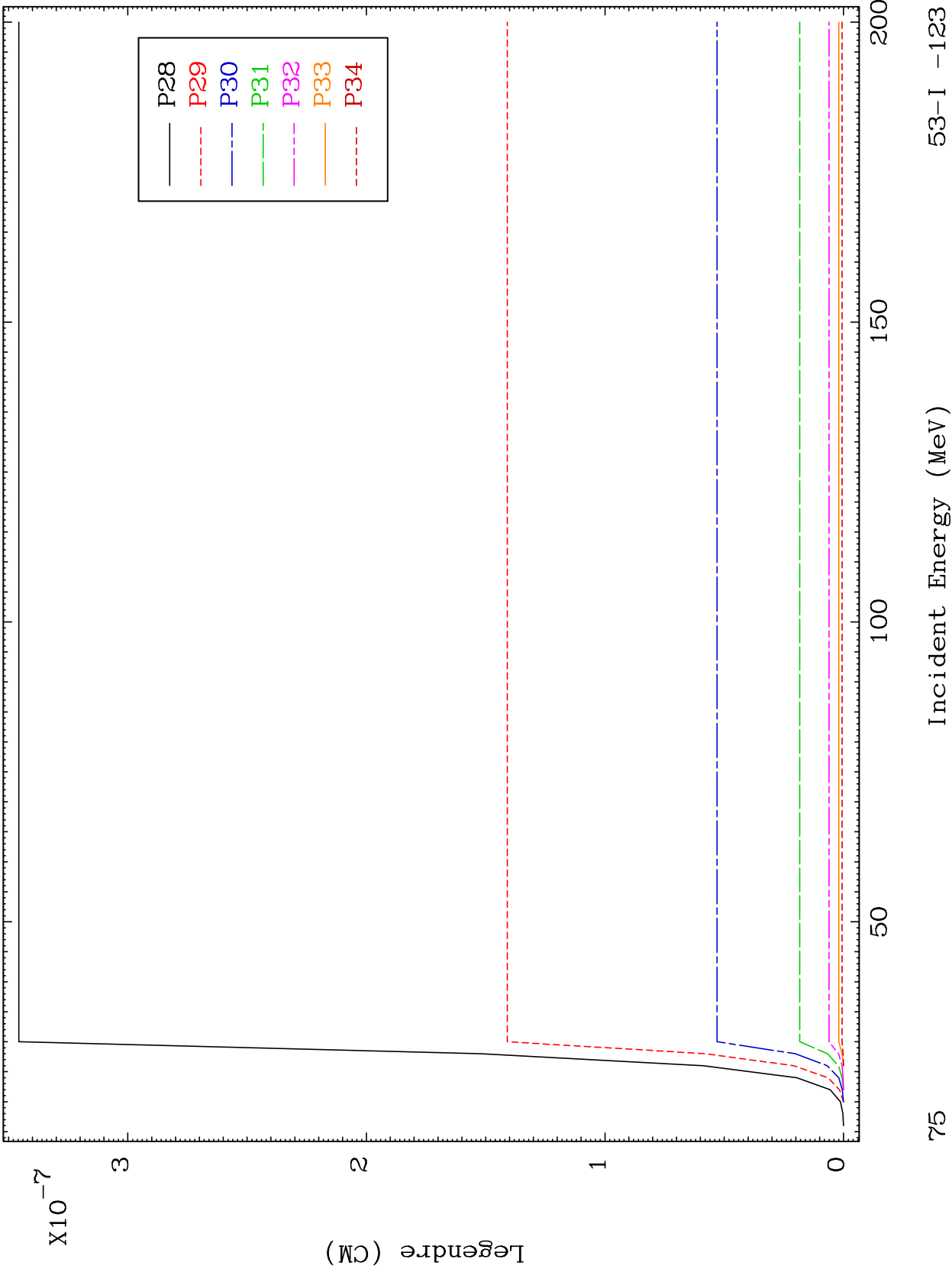
53-I -123

Incident Energy (MeV)

MAT 5313

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

53-I -123



75

Incident Energy (MeV)

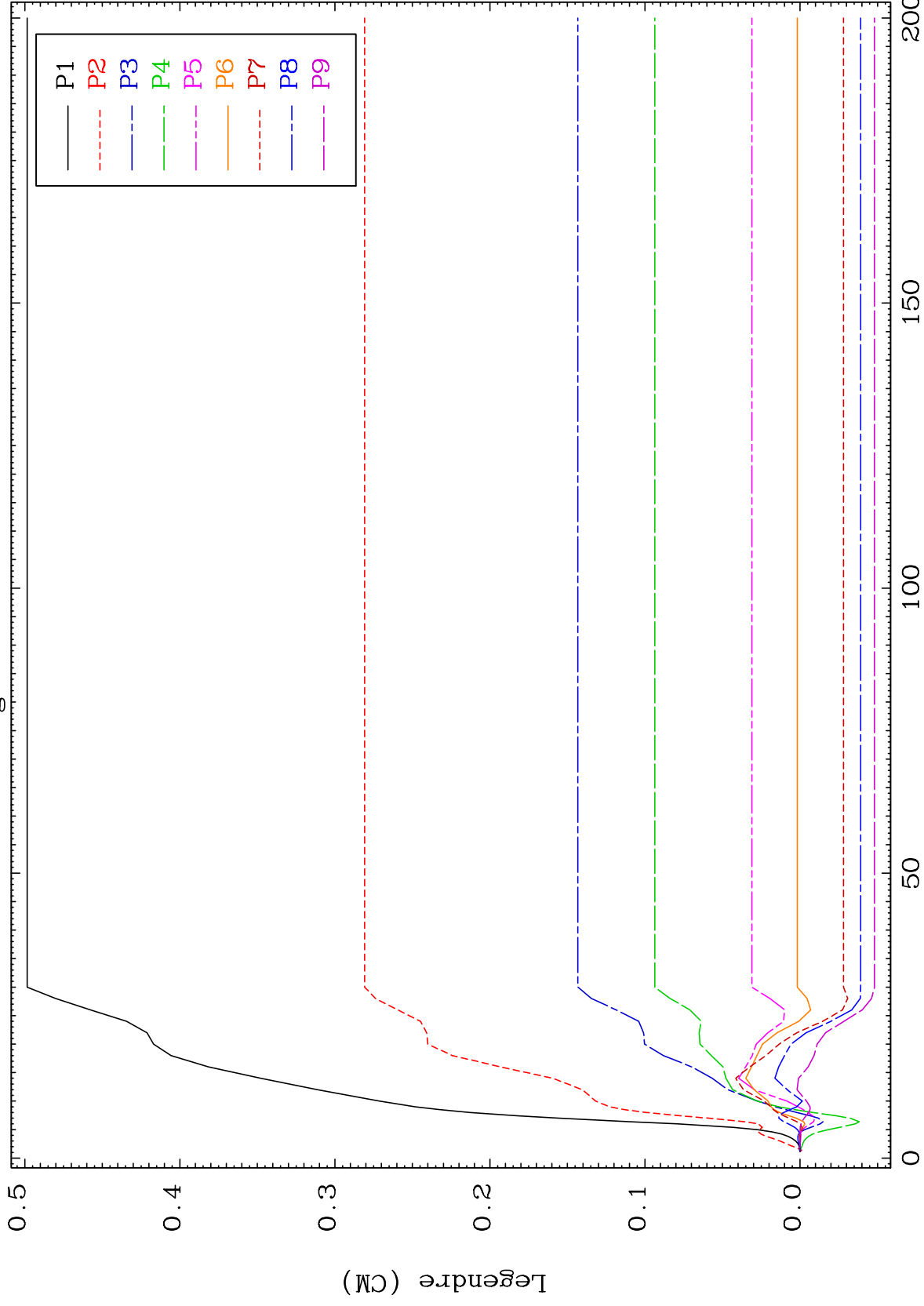
53-I -123

MAT 5313

MT= 66 (n,n') Level

53-I -123

Legendre Coefficients



76

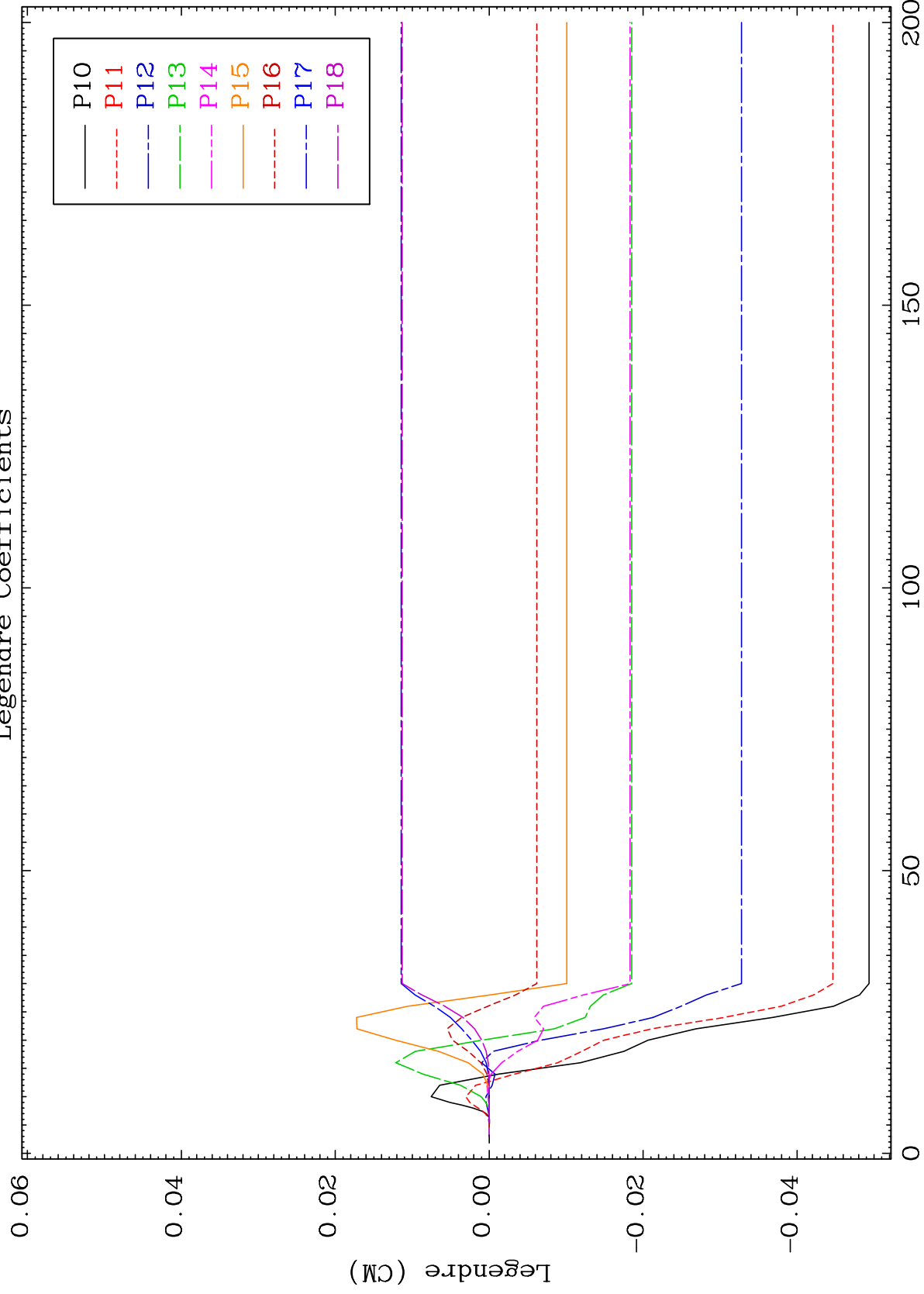
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



77

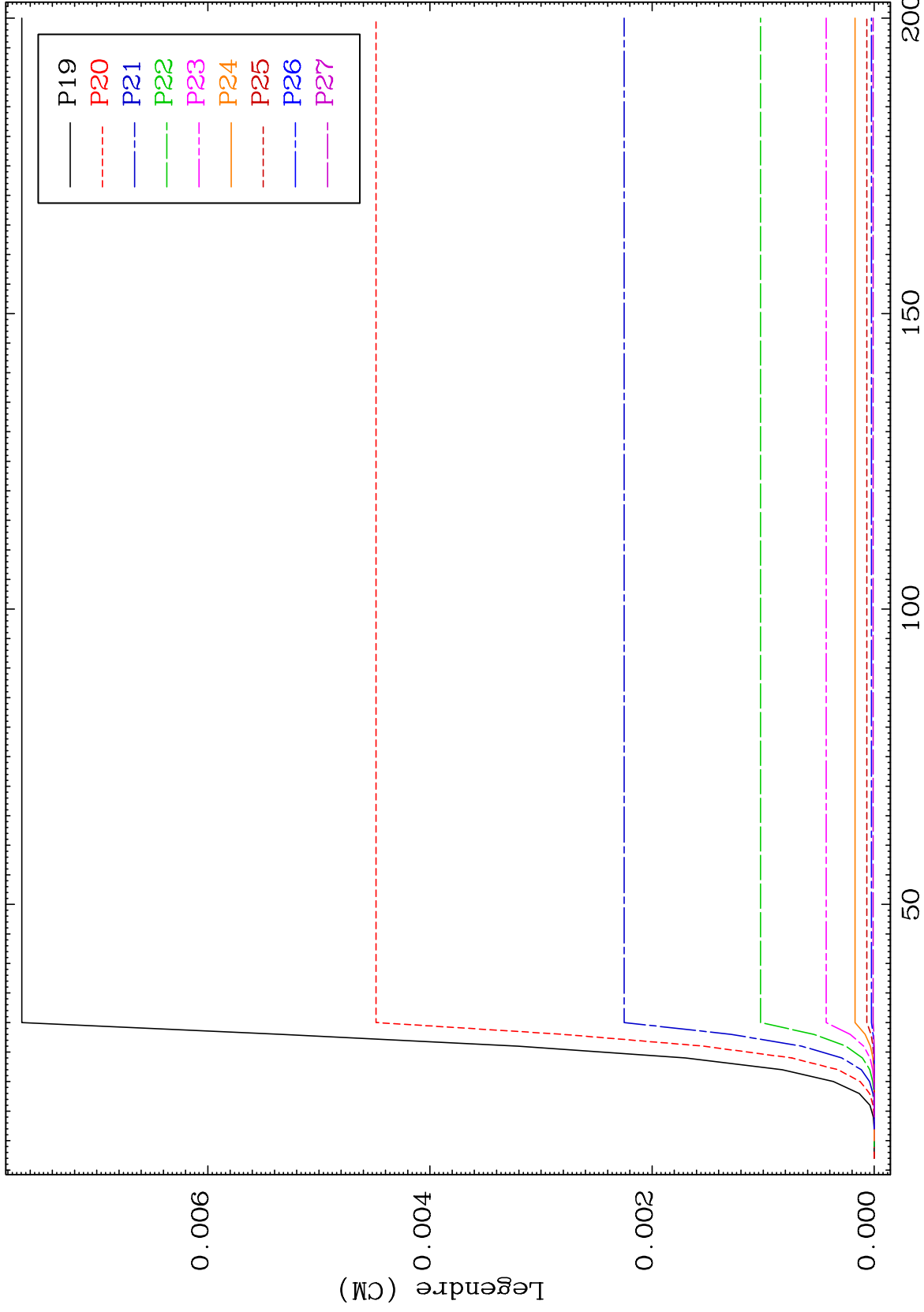
Incident Energy (MeV)

53-I -123

MAT 5313

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

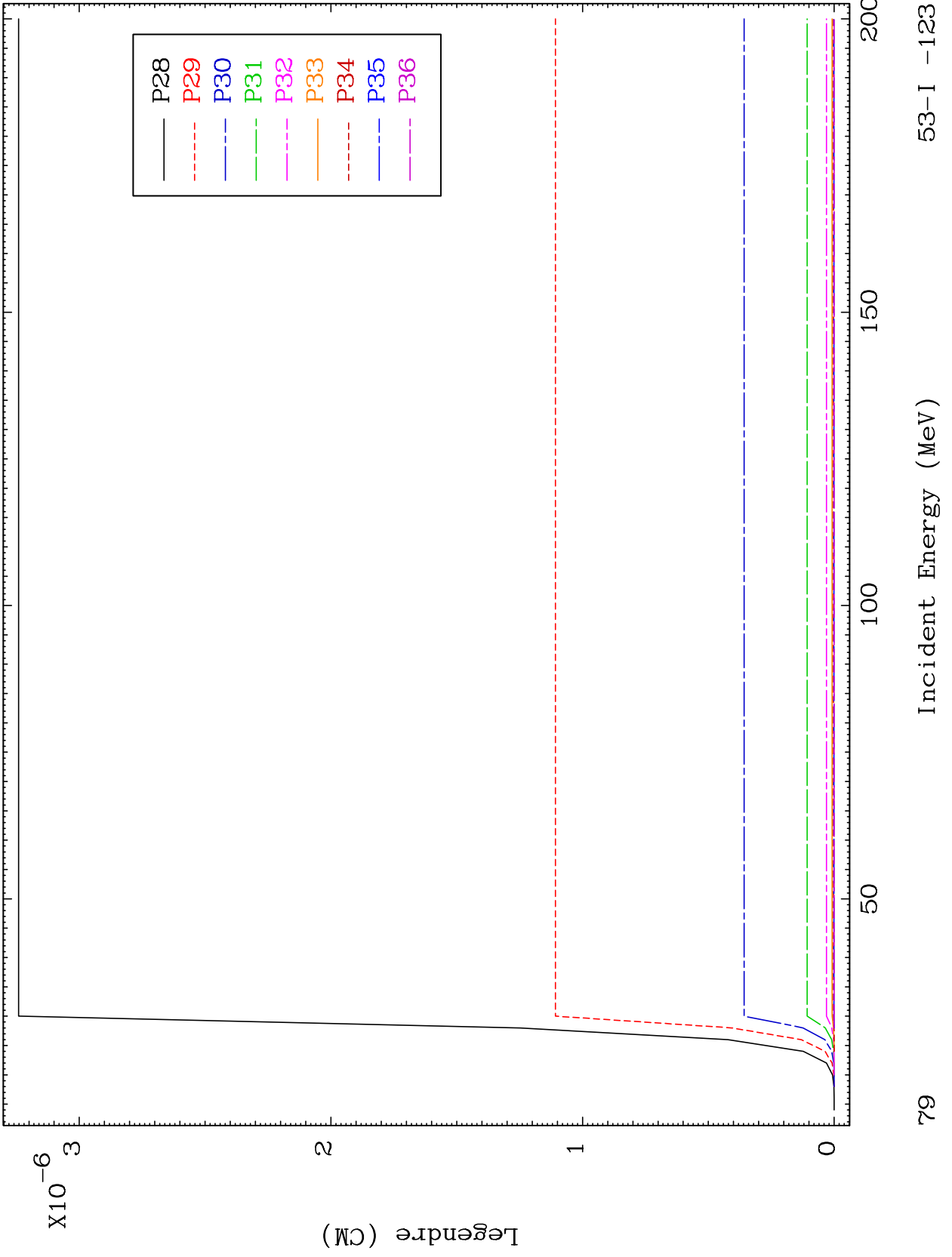
53-I -123

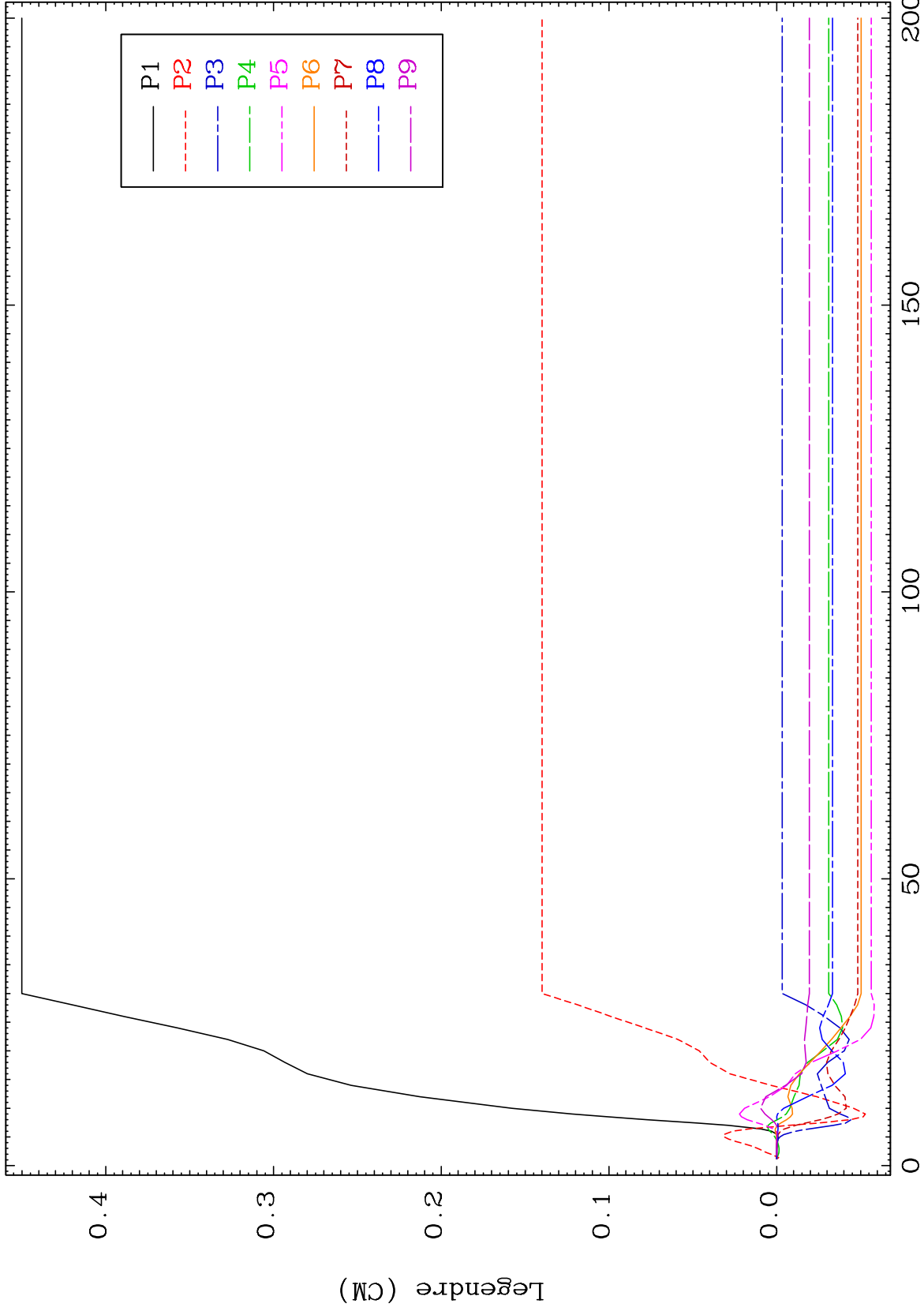


78

Incident Energy (MeV)

53-I -123

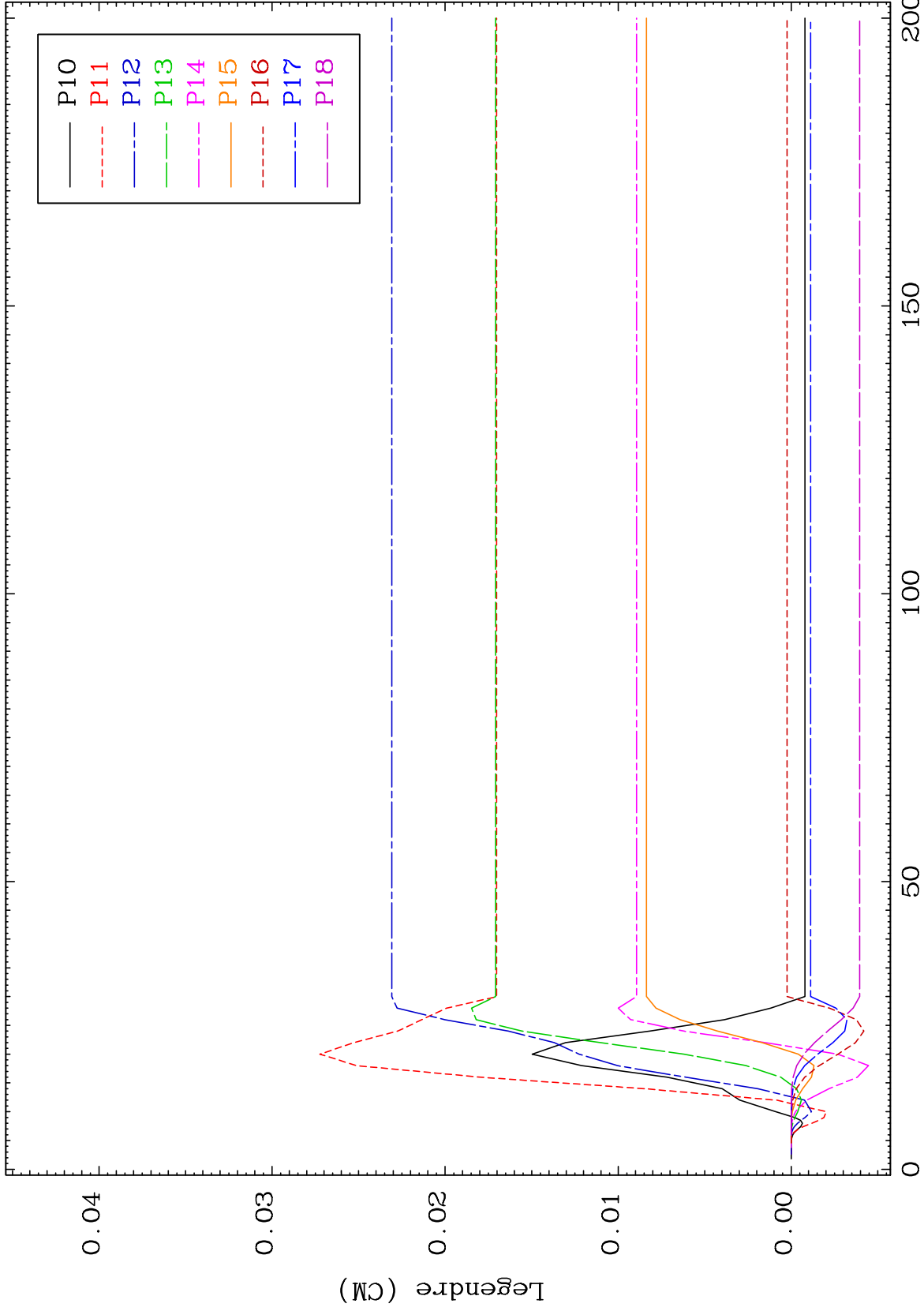




MAT 5313

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

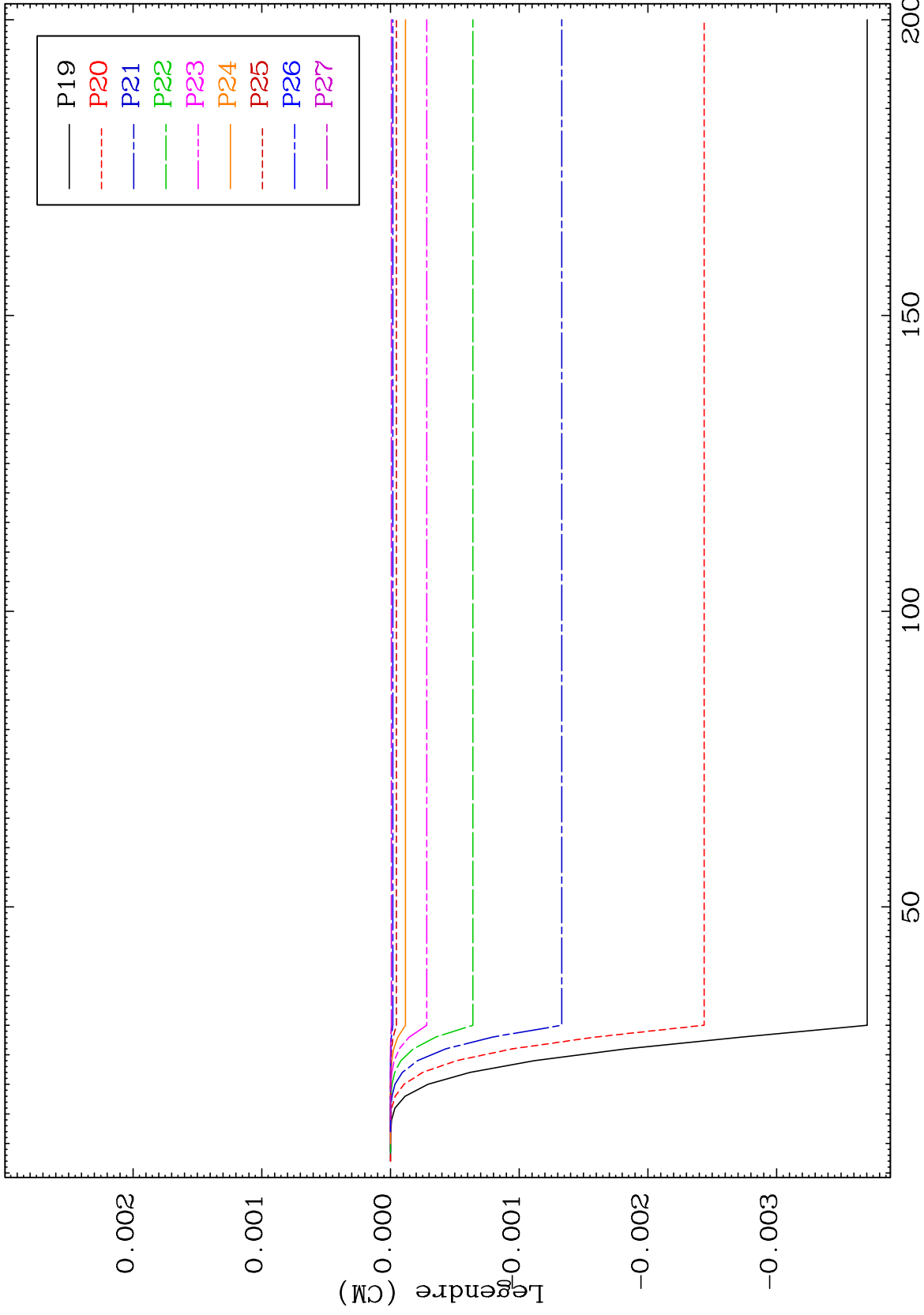
53-I -123

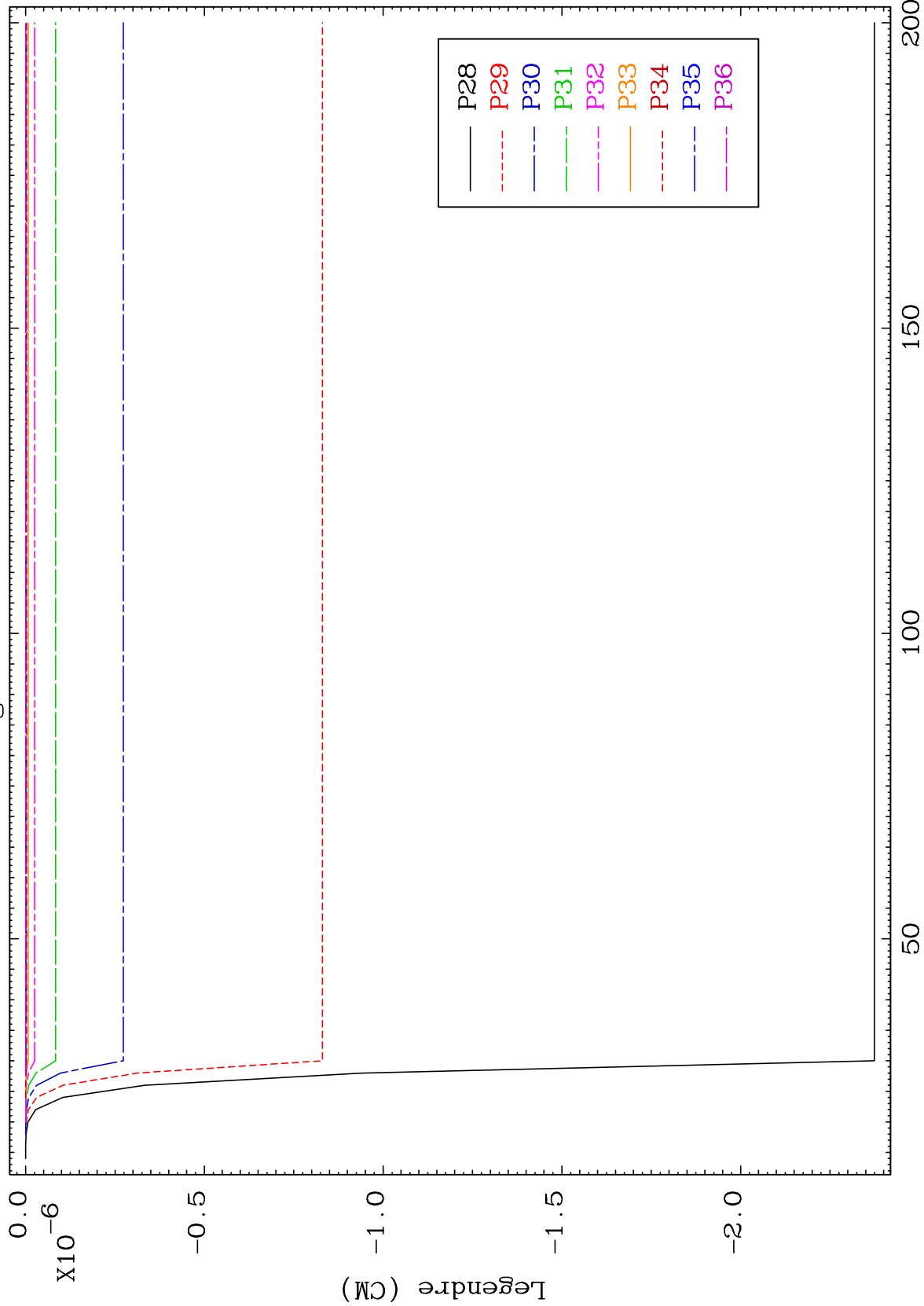


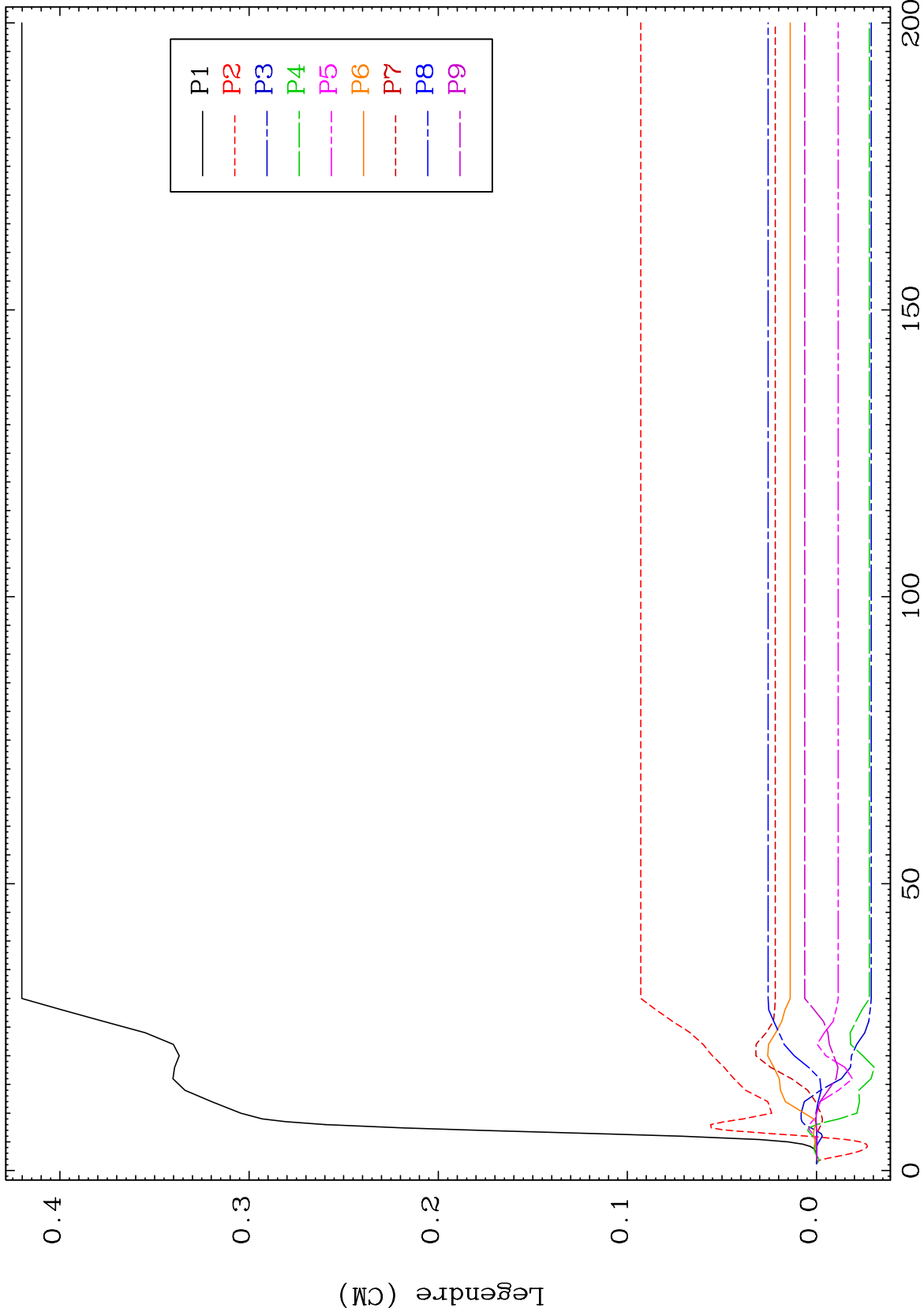
81

Incident Energy (MeV)

53-I -123





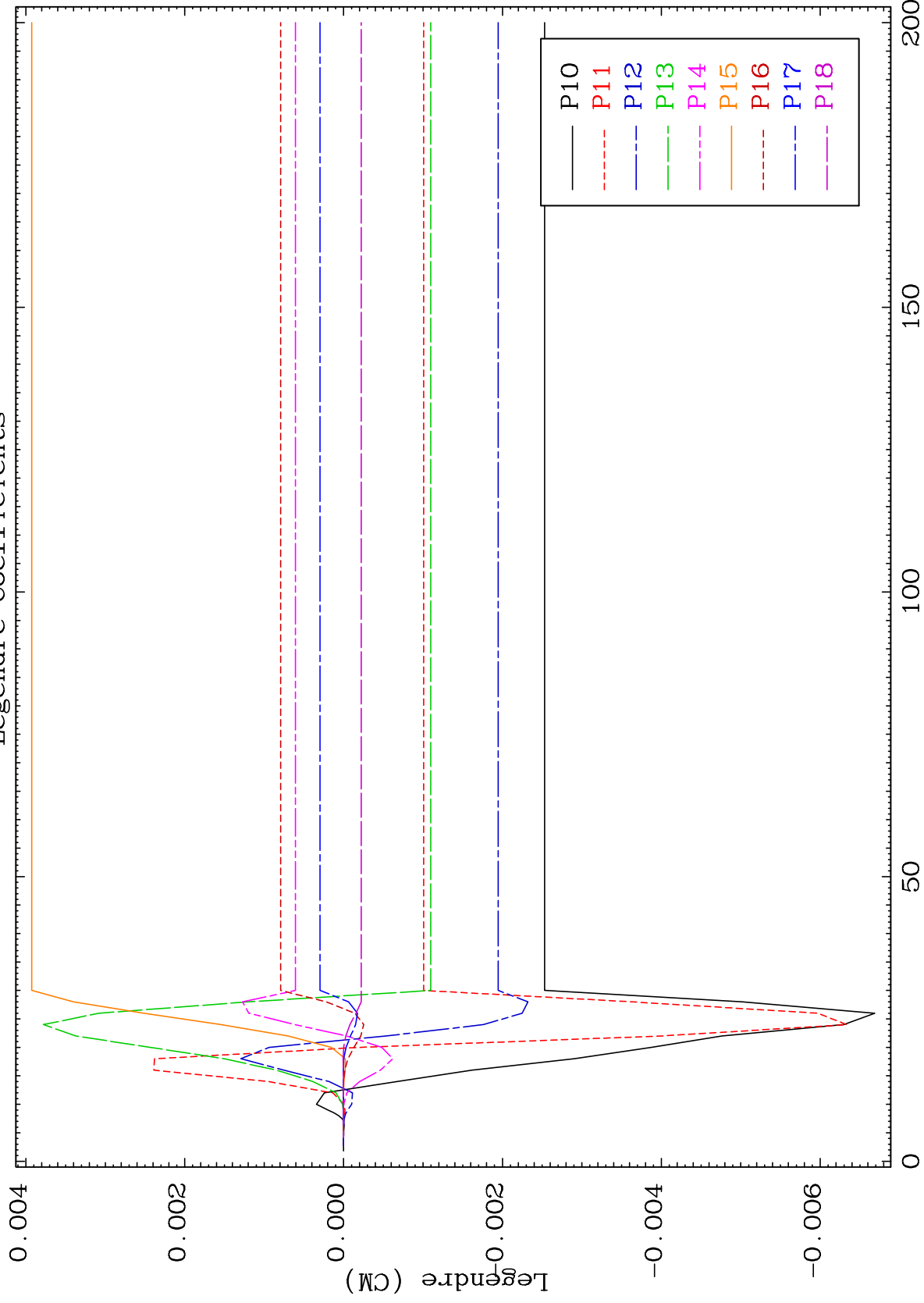


MAT 5313

MT= 68 (n,n') Level

53-I -123

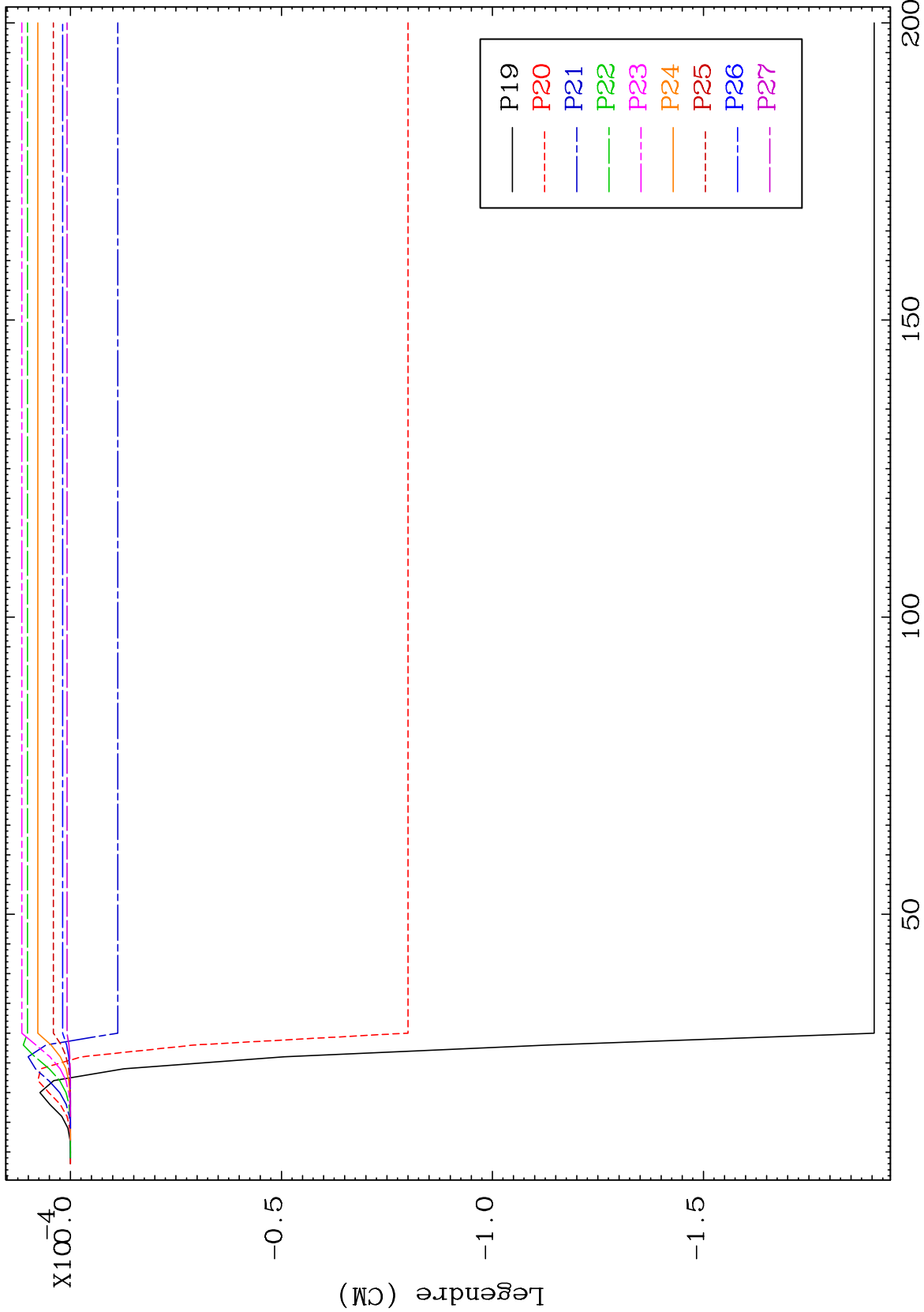
Legendre Coefficients

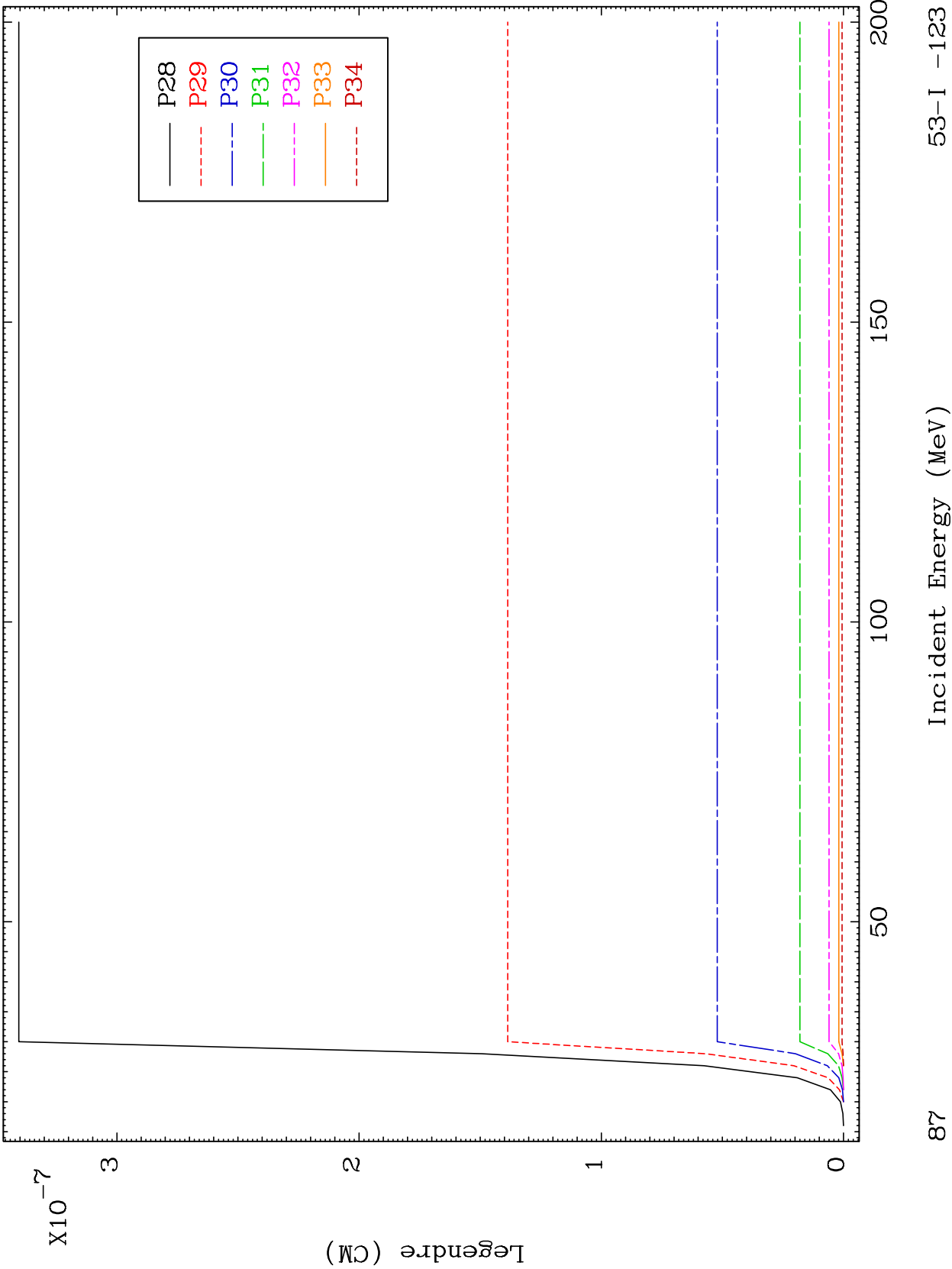


85

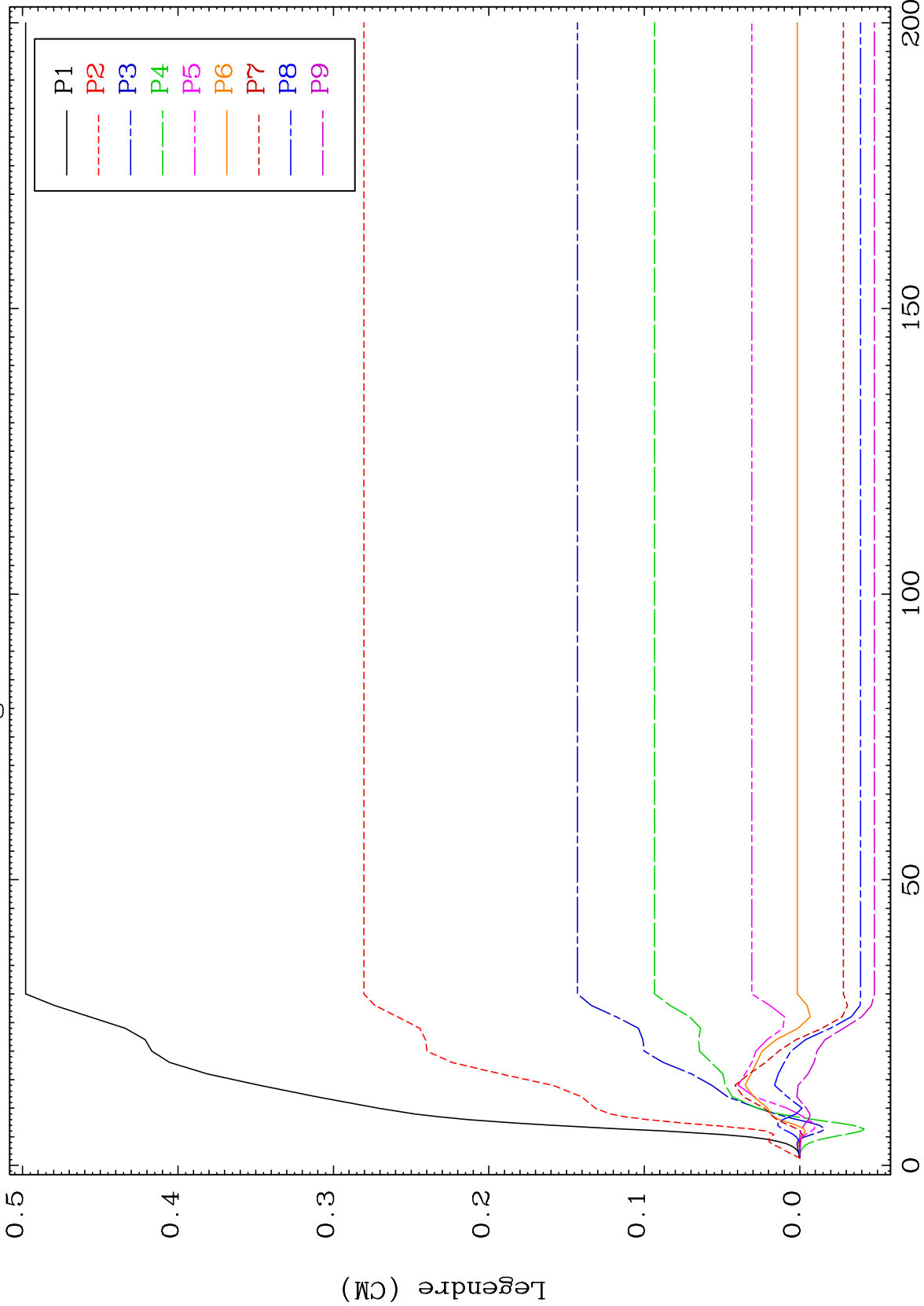
Incident Energy (MeV)

53-I -123





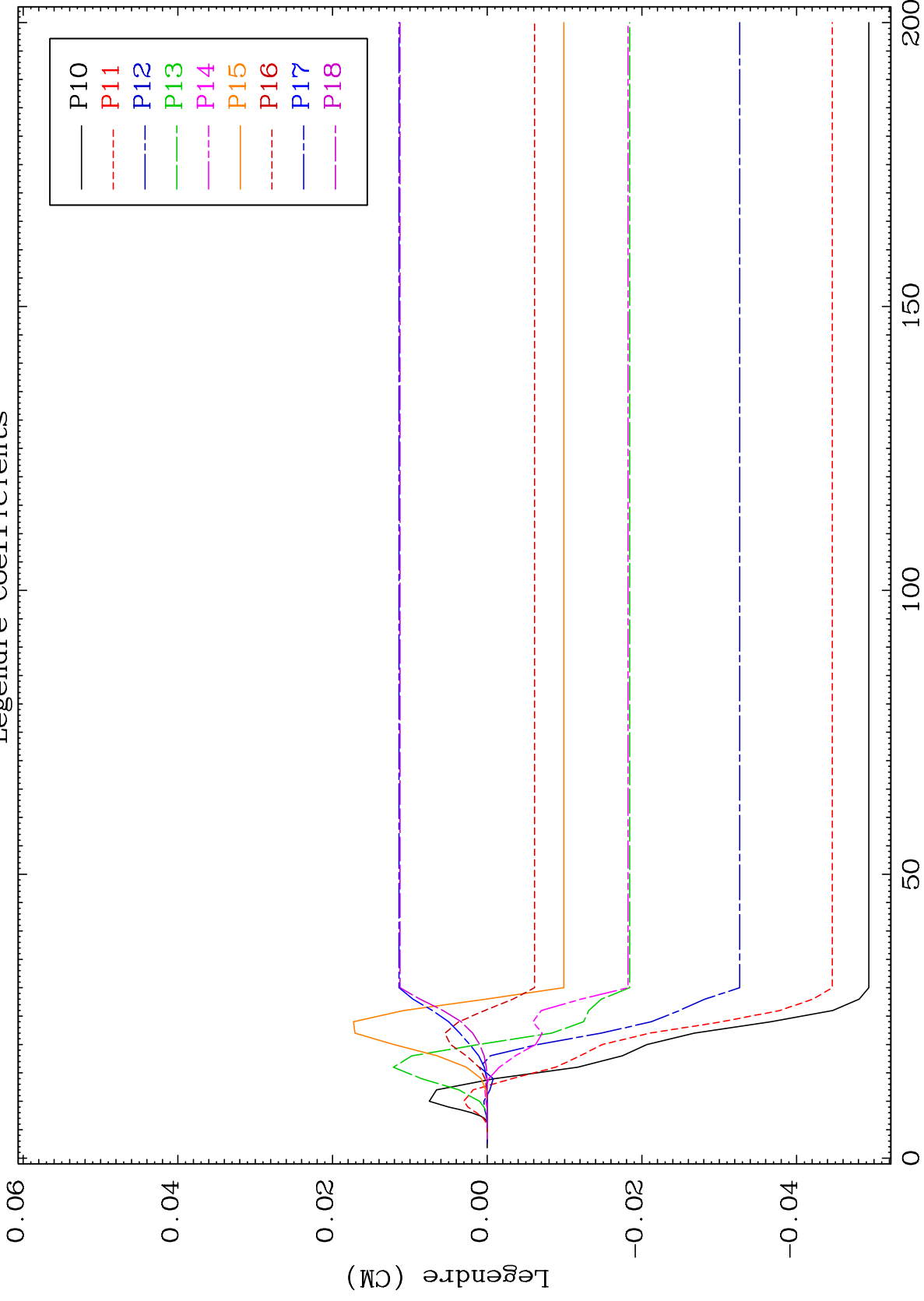
Legendre Coefficients



MAT 5313

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

53-I -123



89

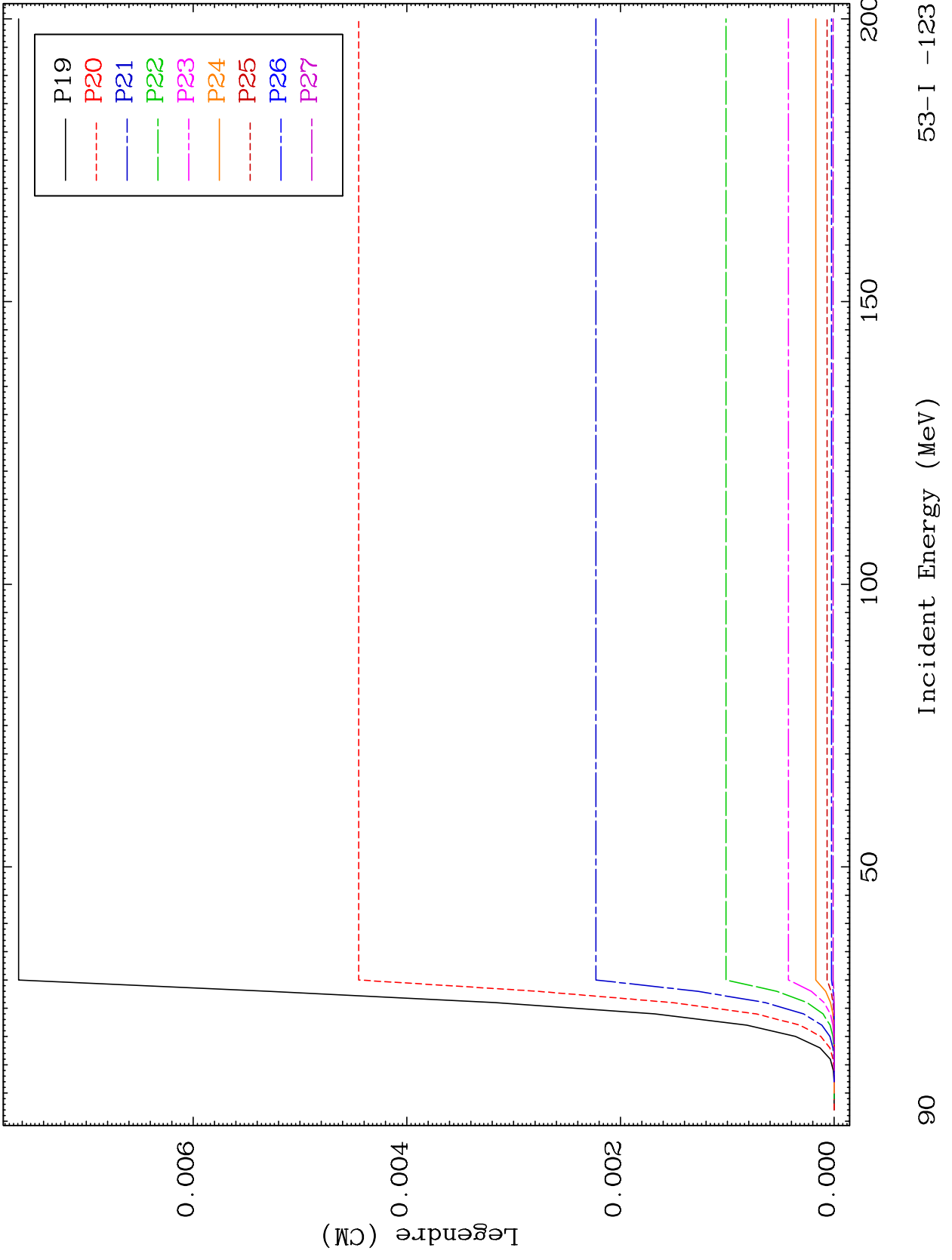
Incident Energy (MeV)

53-I -123

MAT 5313

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

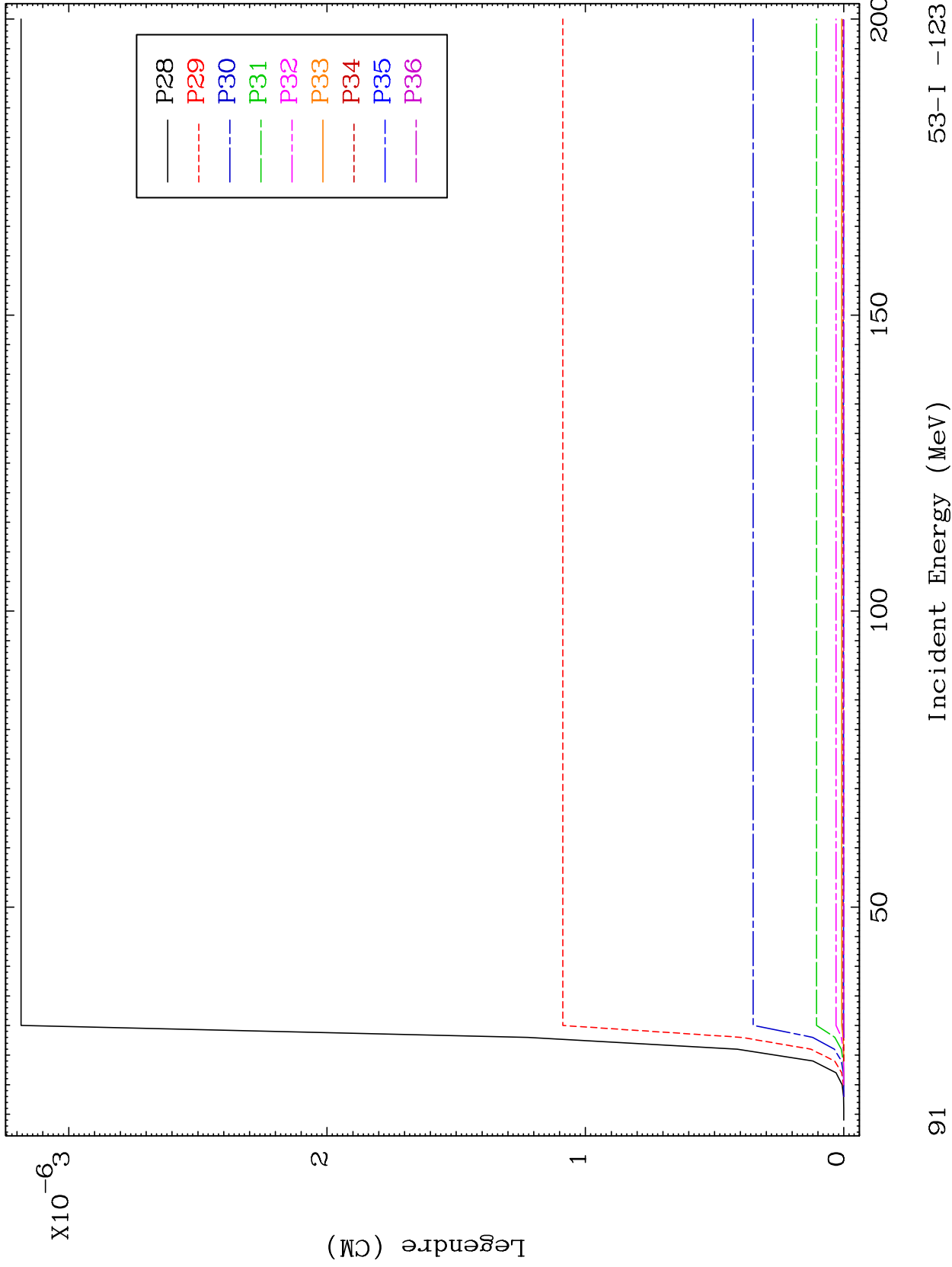
53-I -123



53-I -123

Incident Energy (MeV)

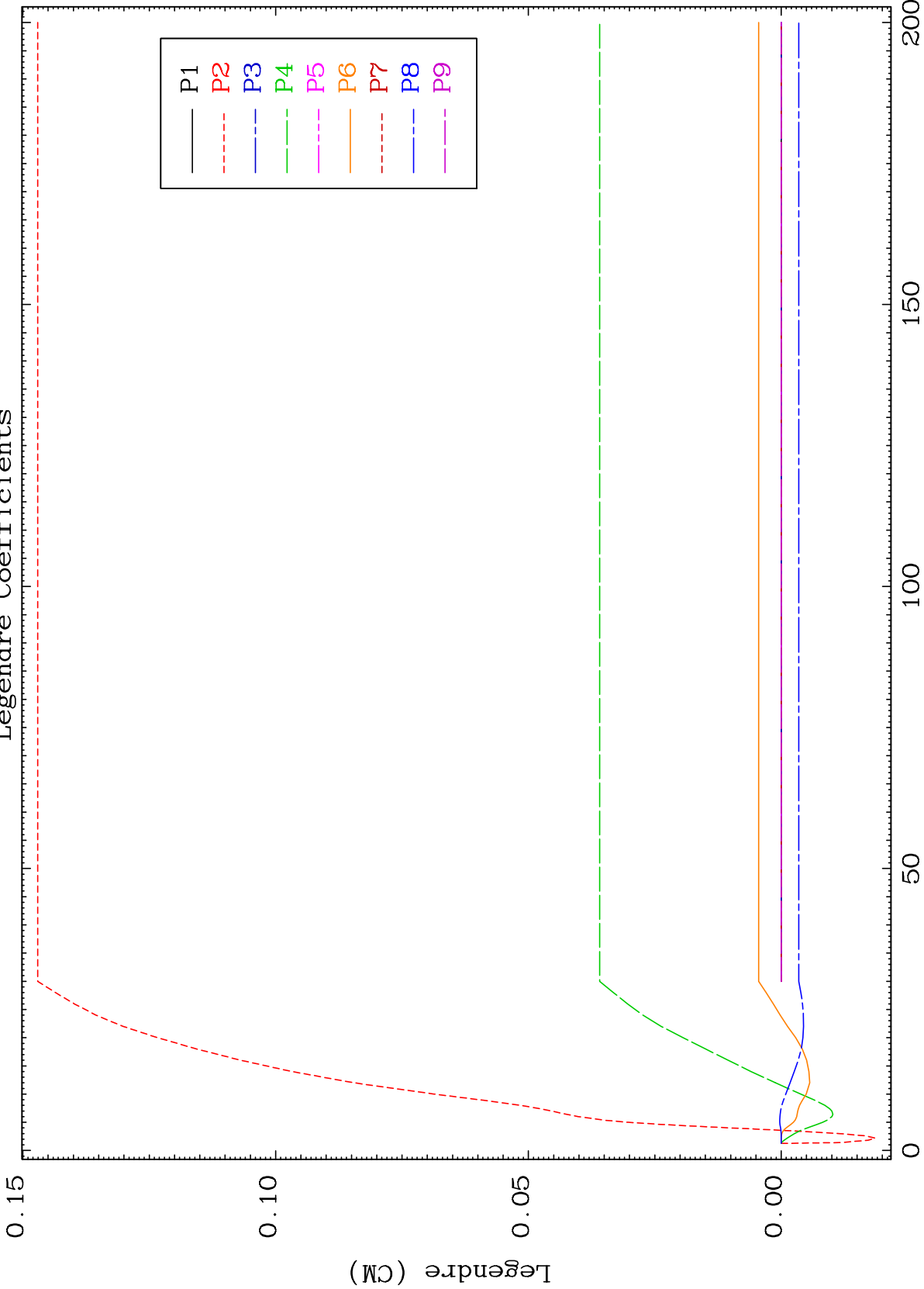
90



MAT 5313

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

53-I -123



92

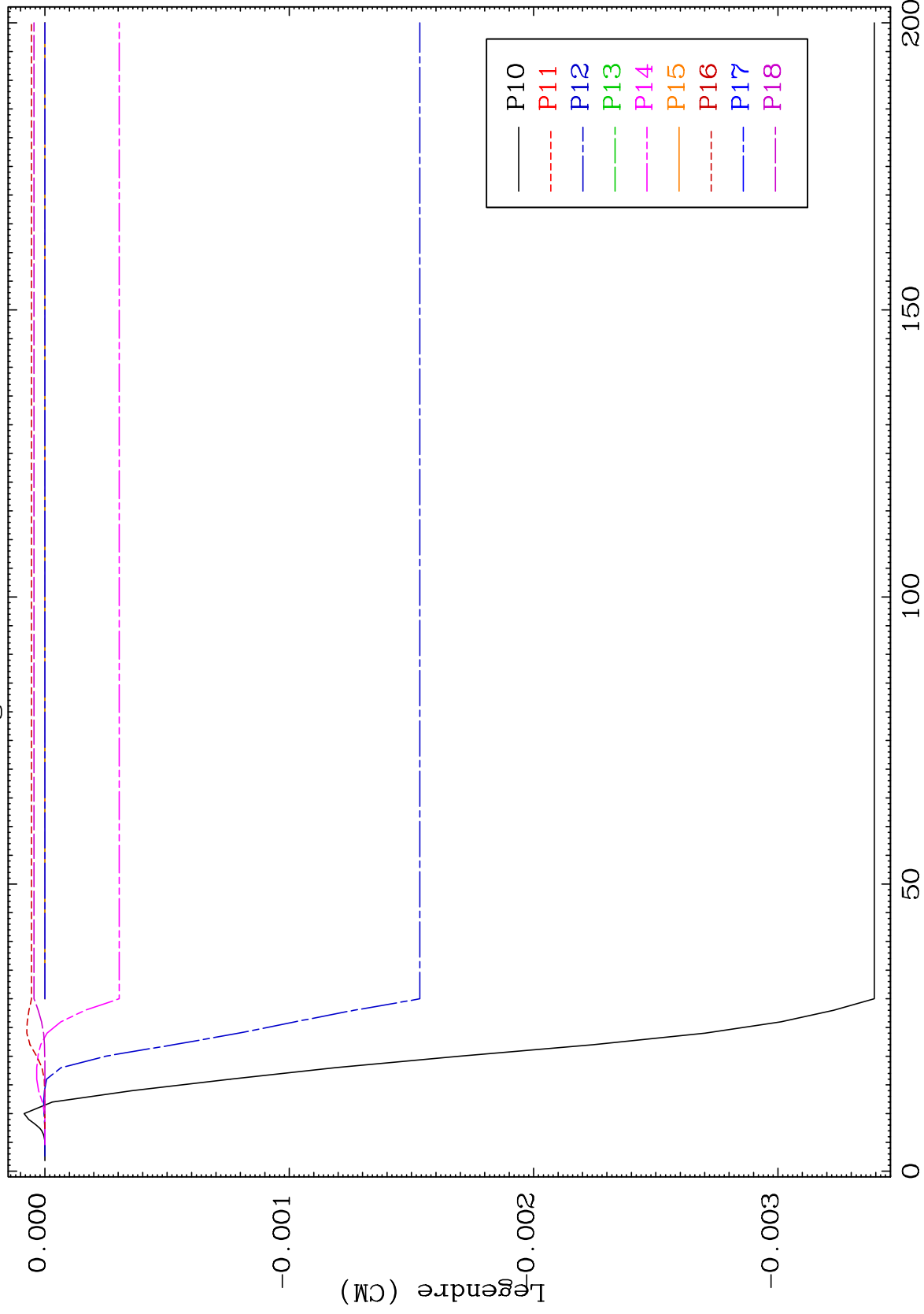
Incident Energy (MeV)

53-I -123

MAT 5313

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

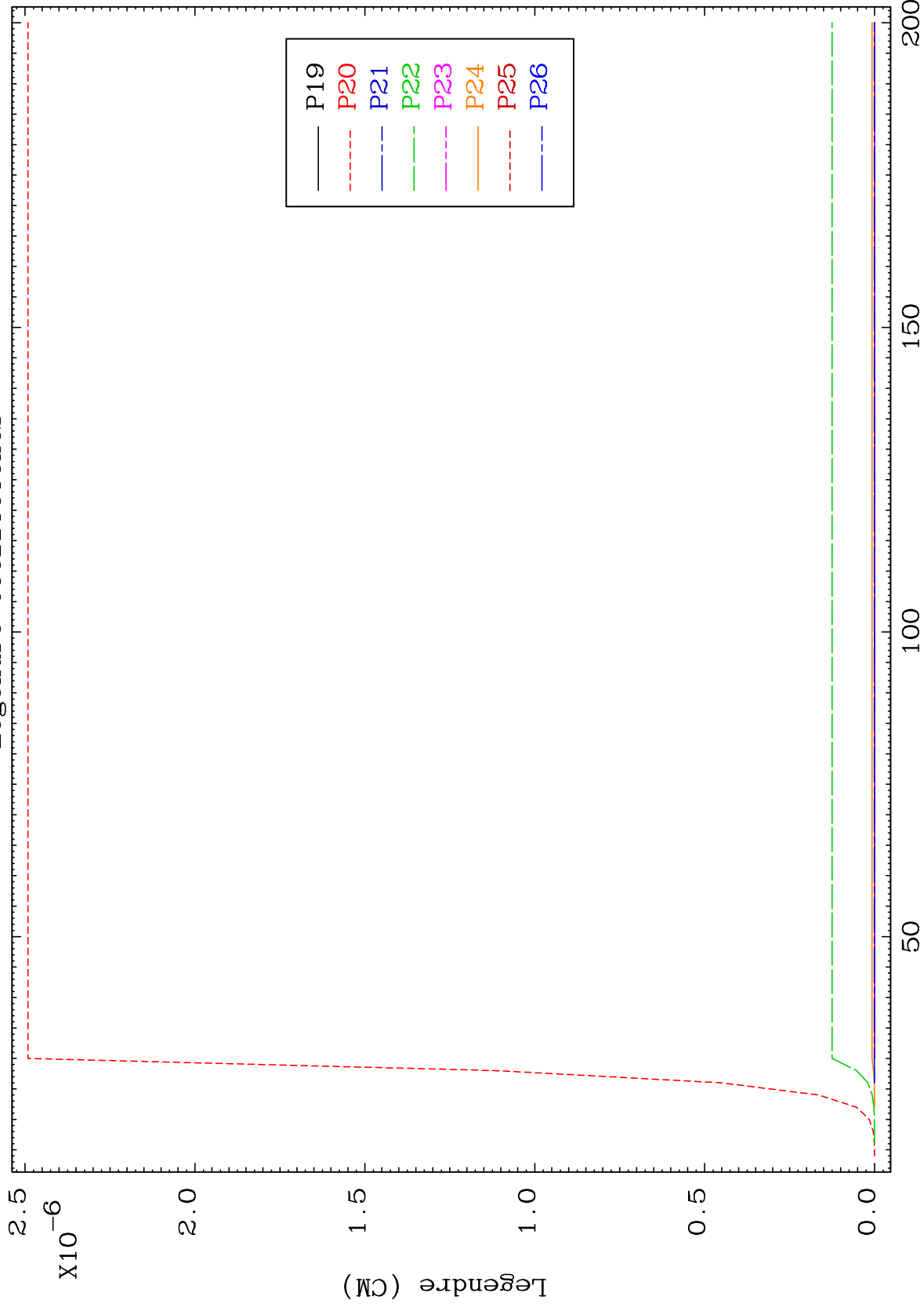
53-I -123



93

Incident Energy (MeV)

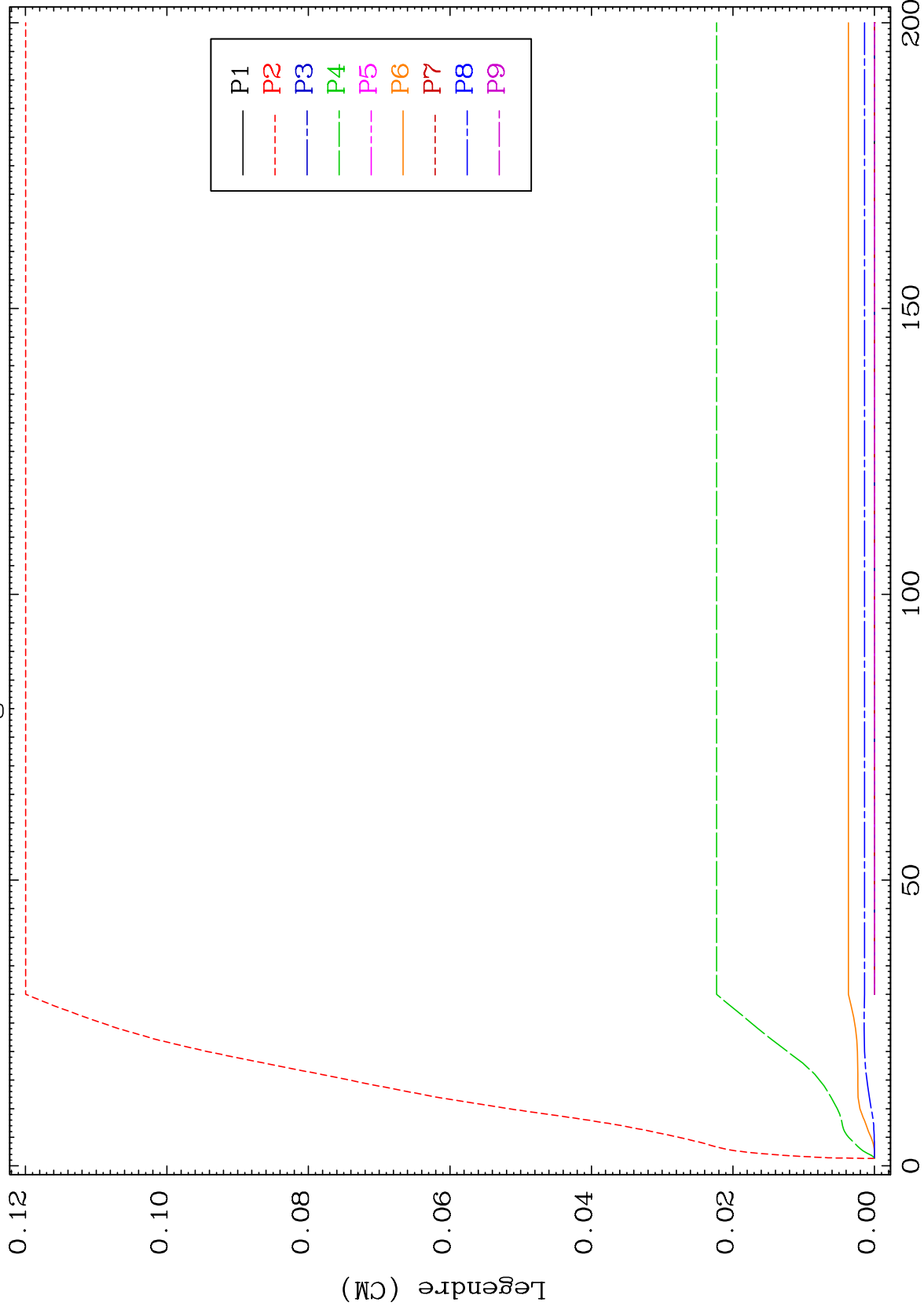
53-I -123



MAT 5313

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

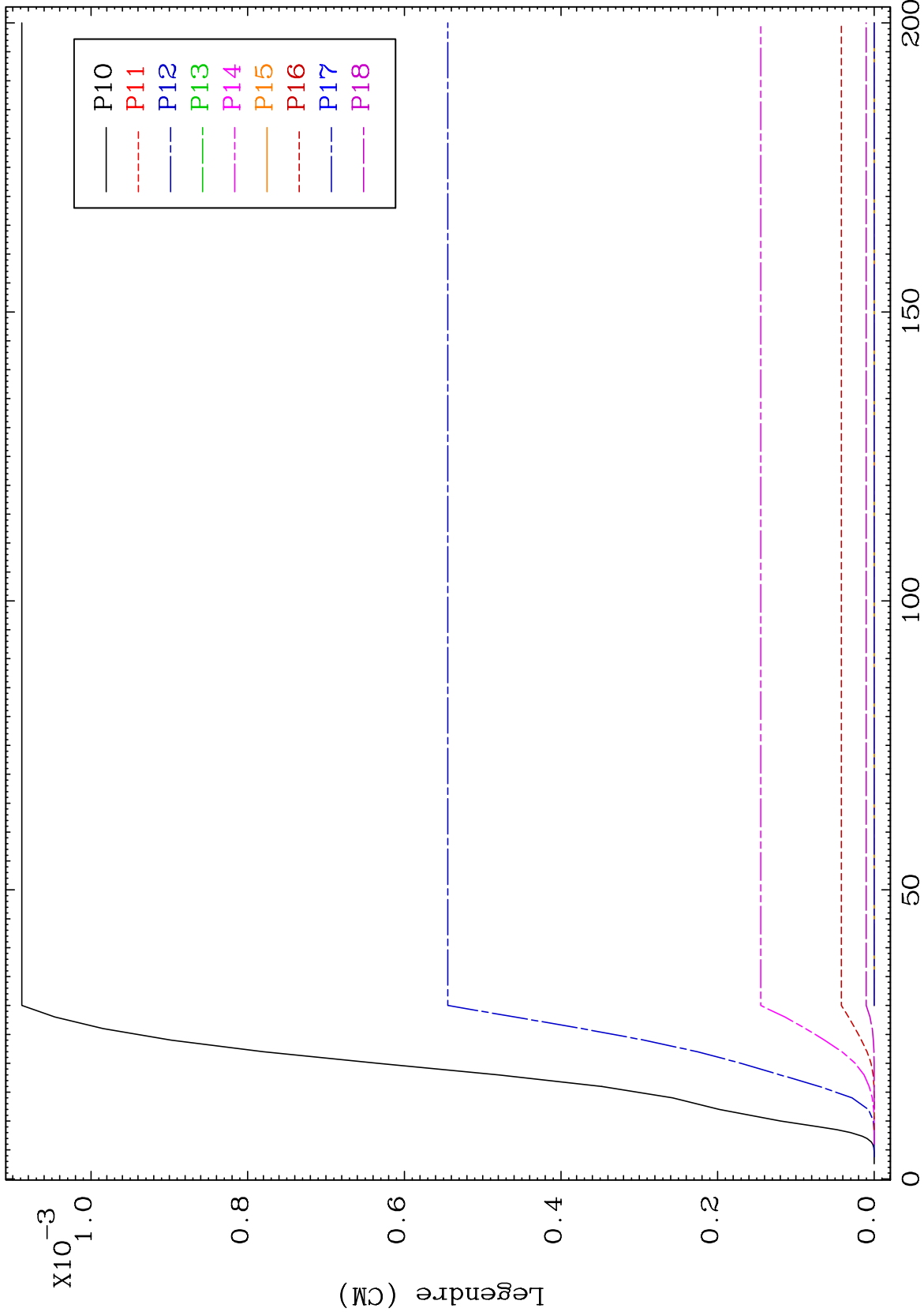
53-I -123



53-I -123

Incident Energy (MeV)

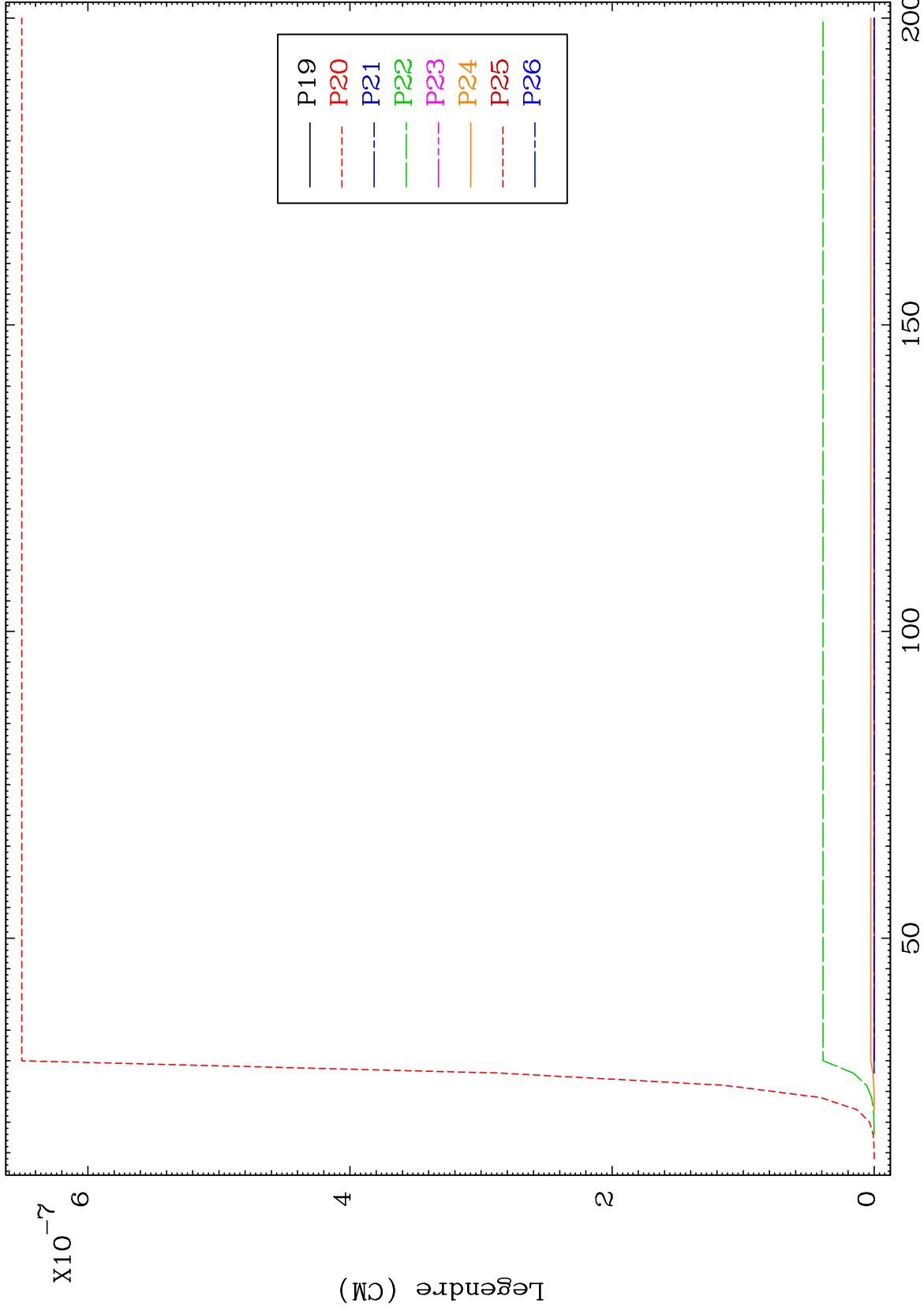
95



MAT 5313

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

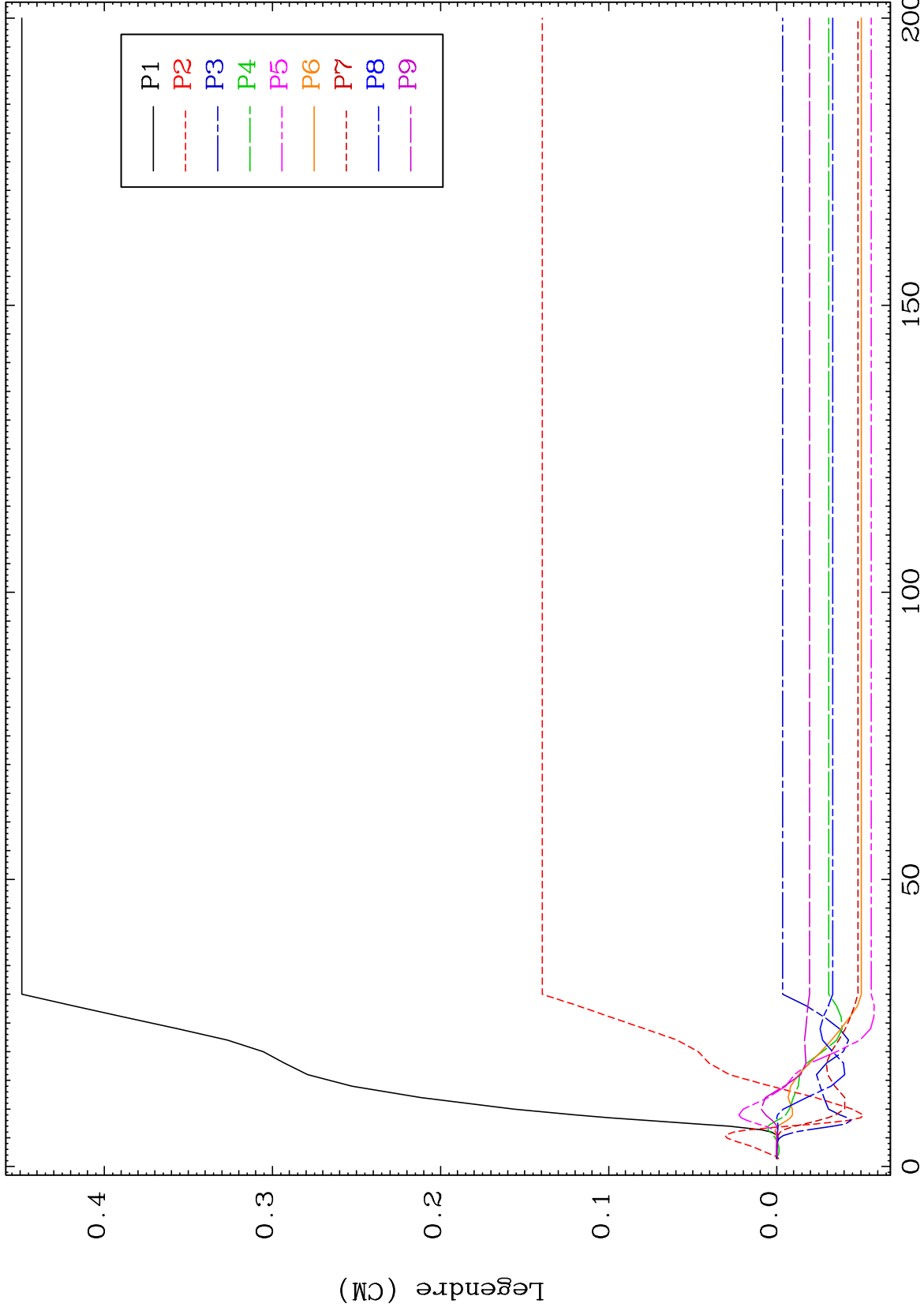
53-I -123



97

Incident Energy (MeV)

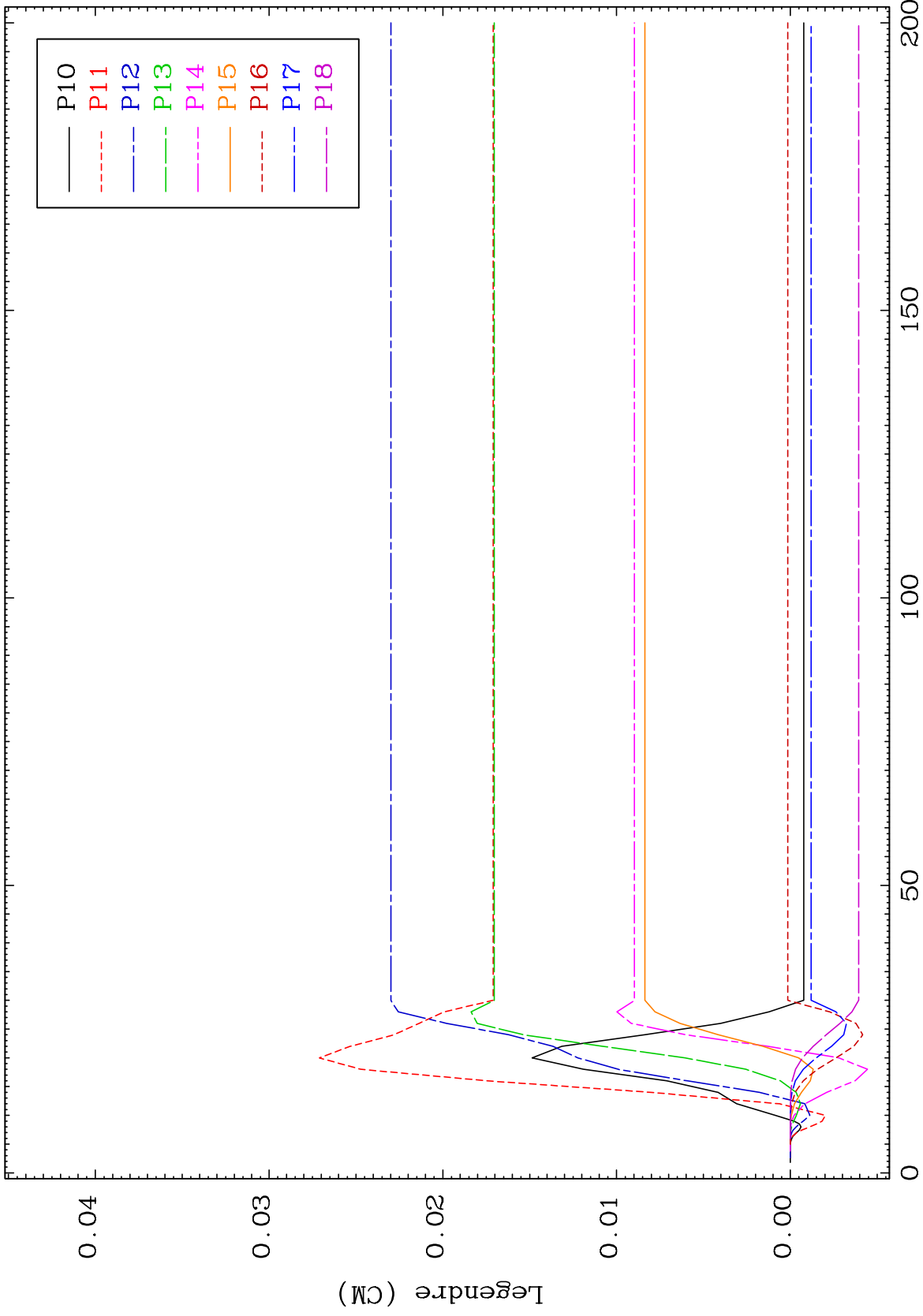
53-I -123



MAT 5313

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

53-I -123



99

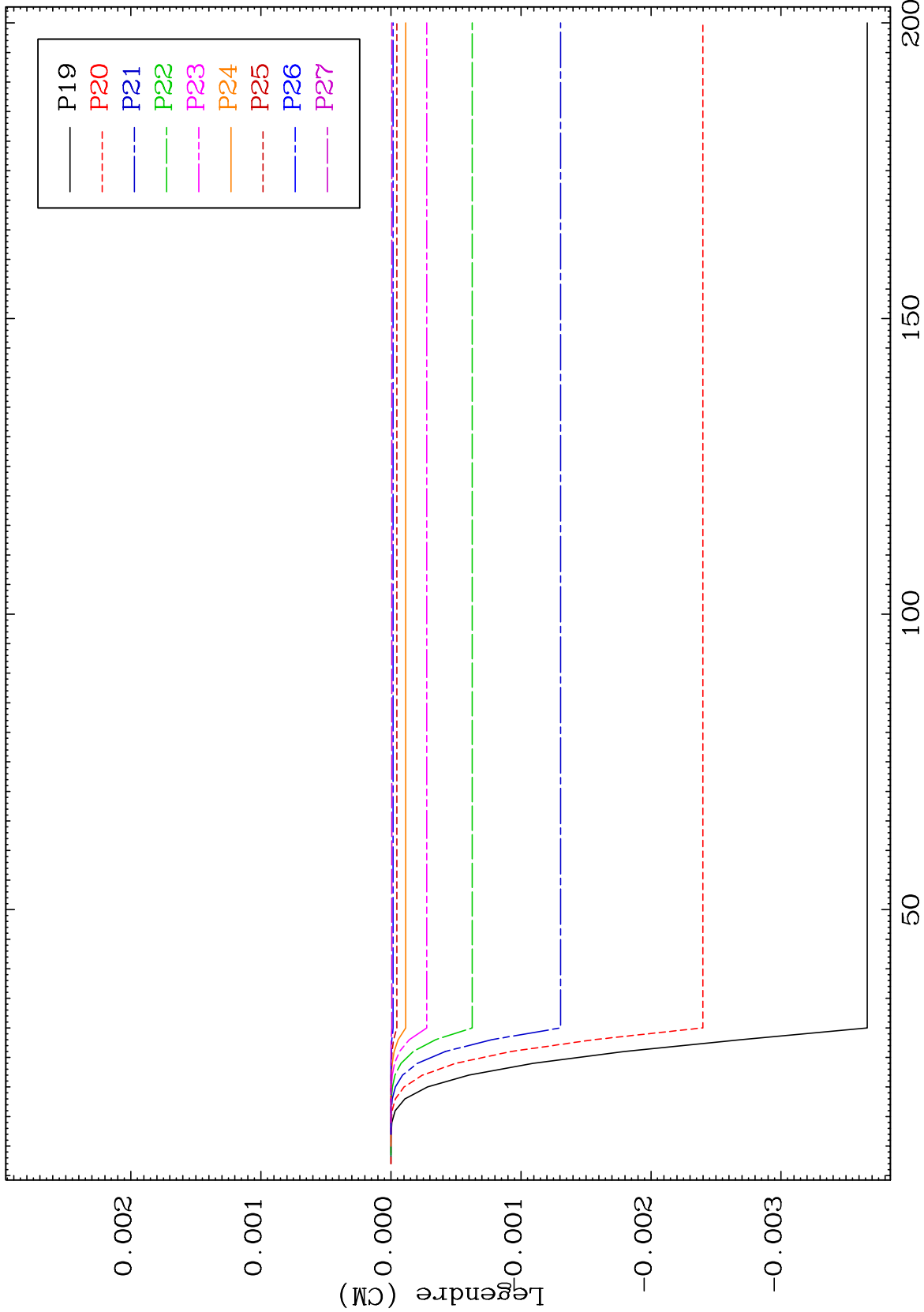
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



100

Incident Energy (MeV)

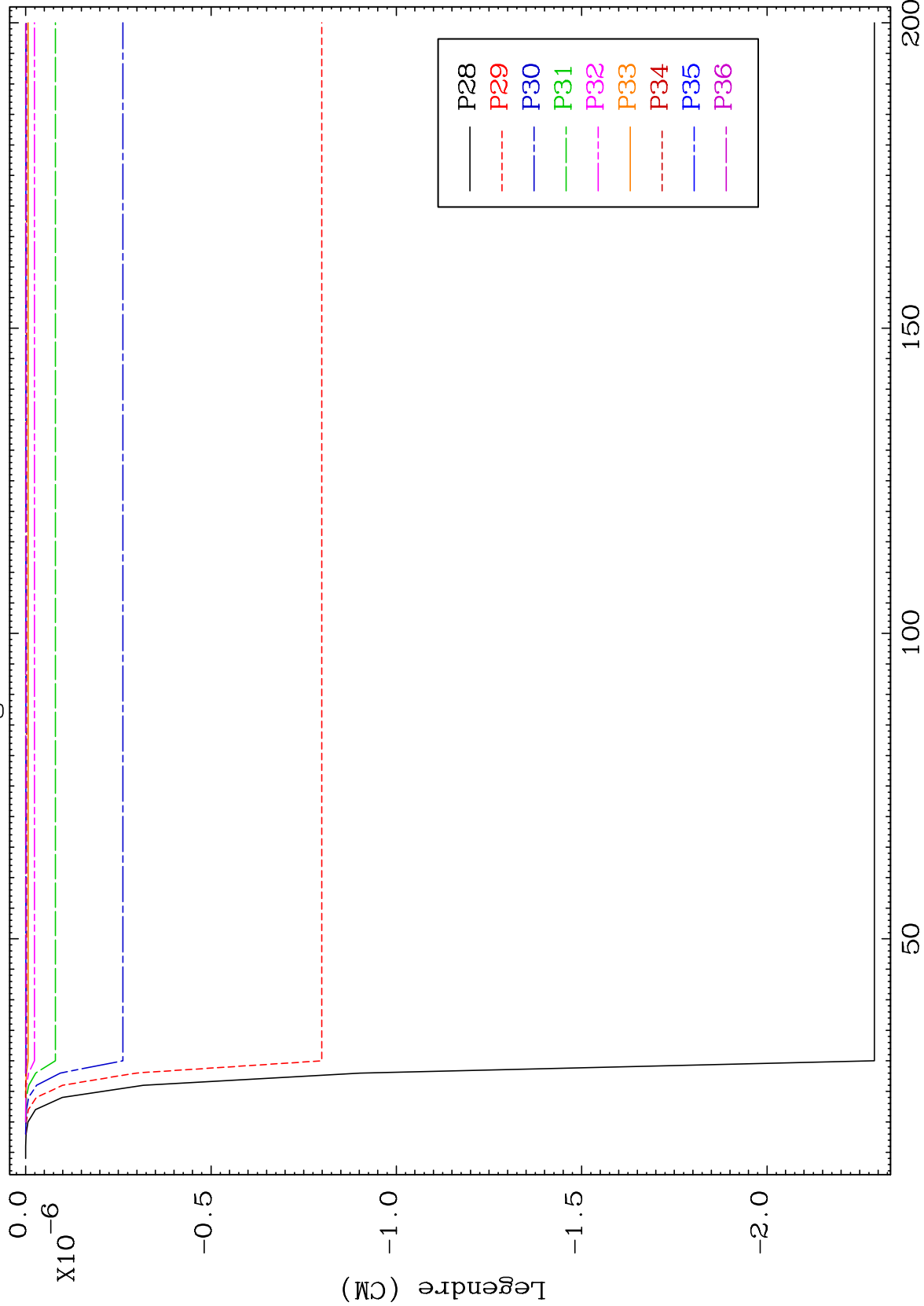
53-I -123

MAT 5313

MT= 72 (n,n') Level

53-I -123

Legendre Coefficients



101

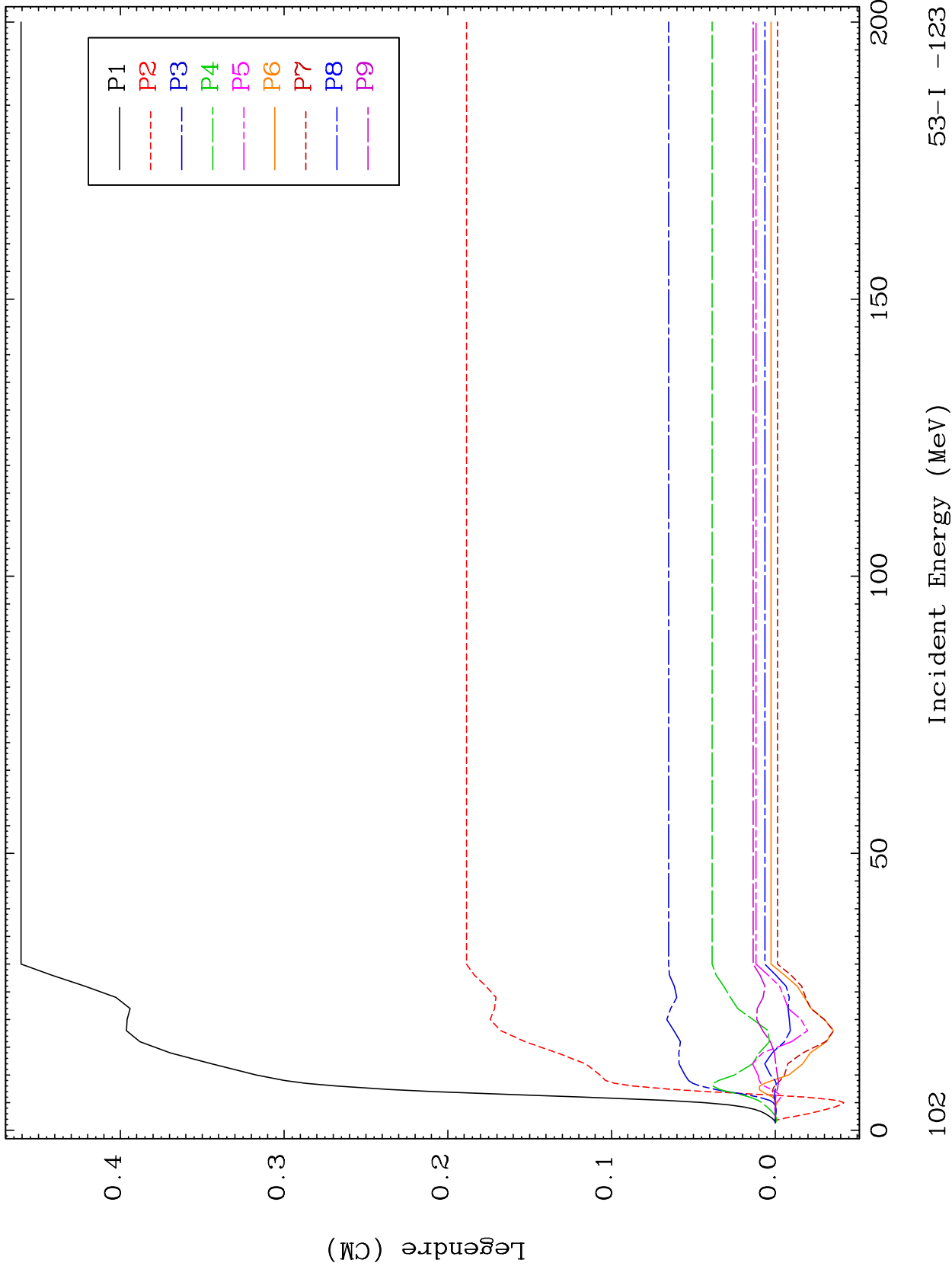
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



53-I -123

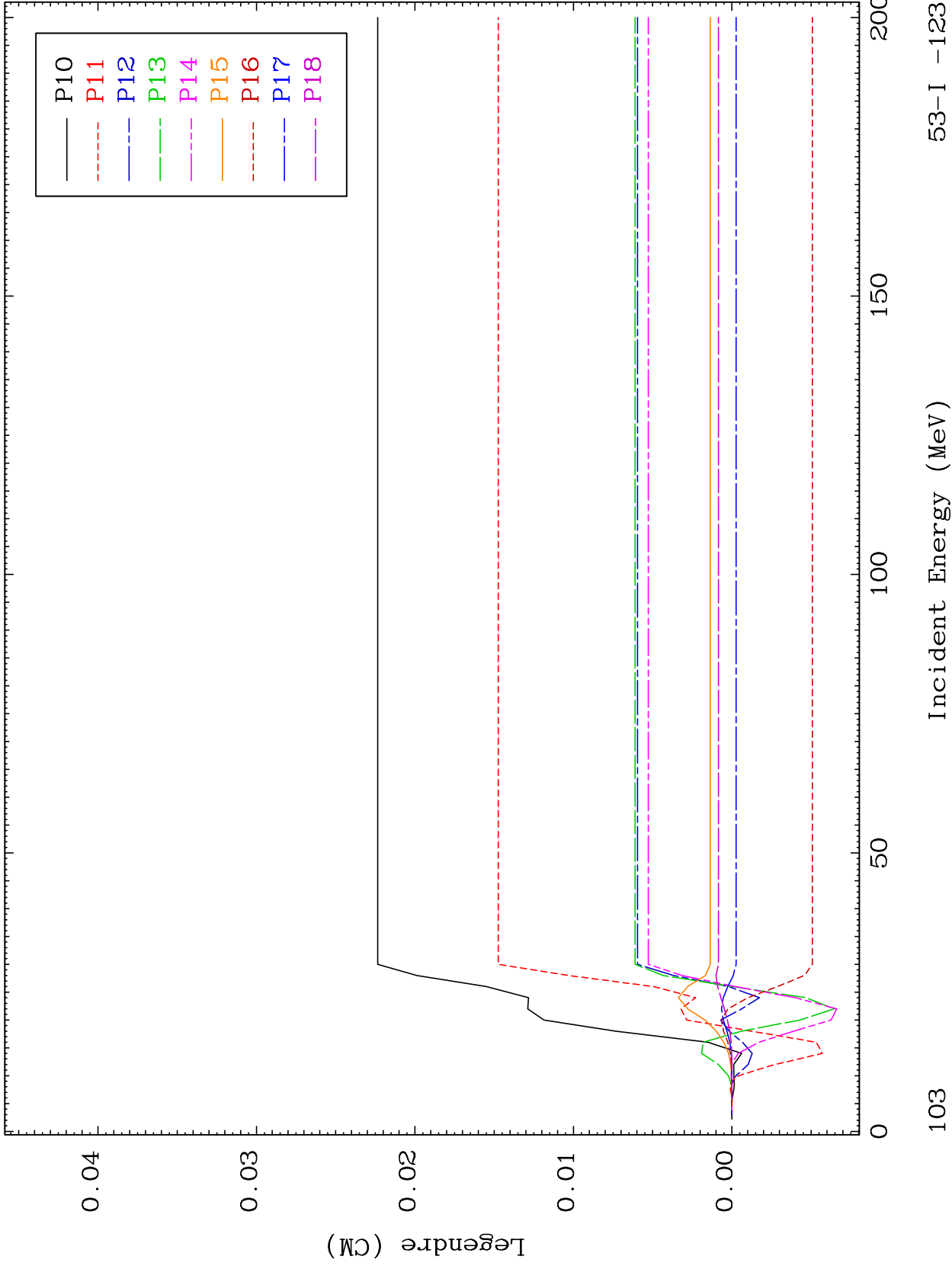
Incident Energy (MeV)

102

MAT 5313

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

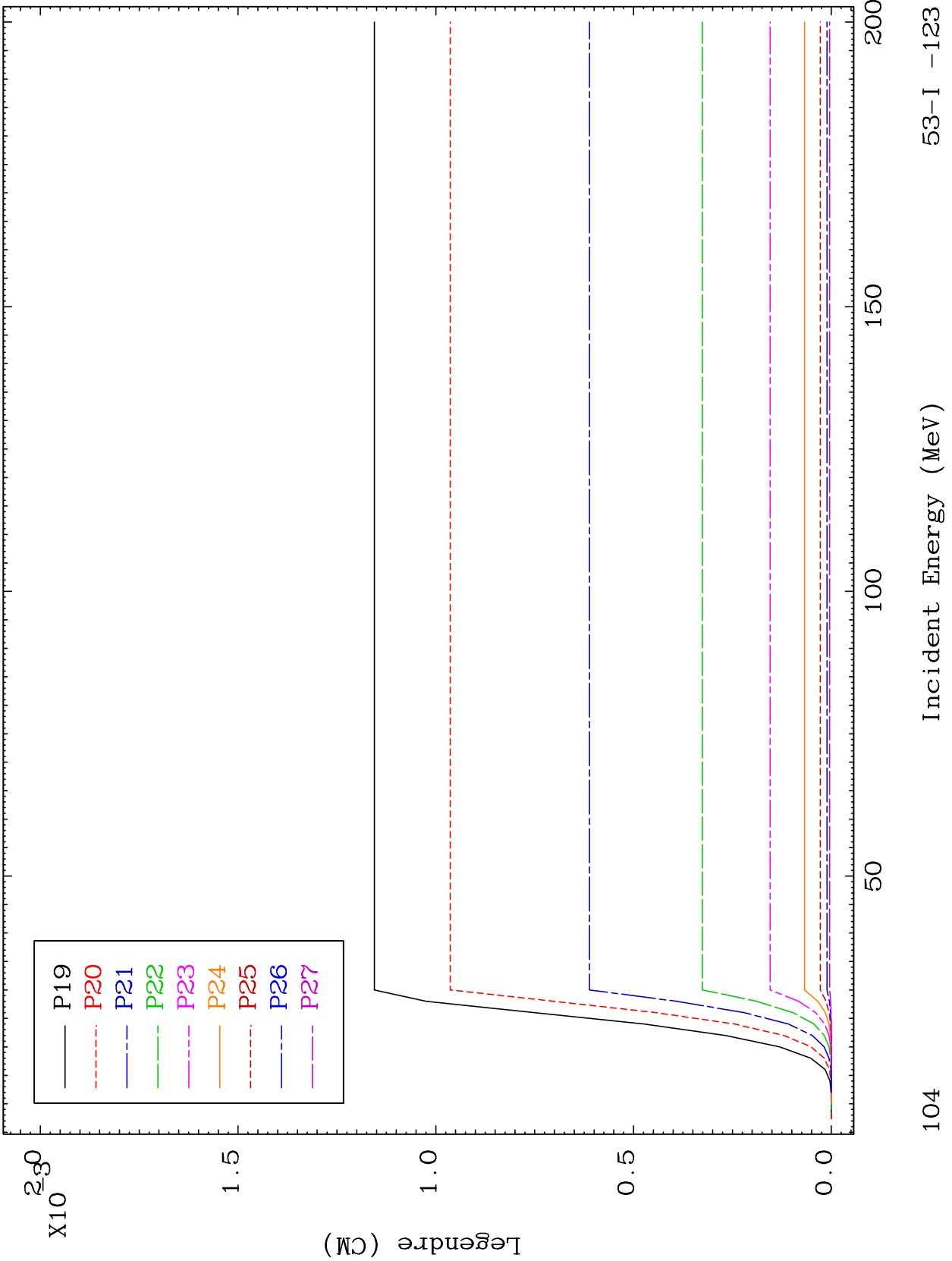
53-I -123



103

Incident Energy (MeV)

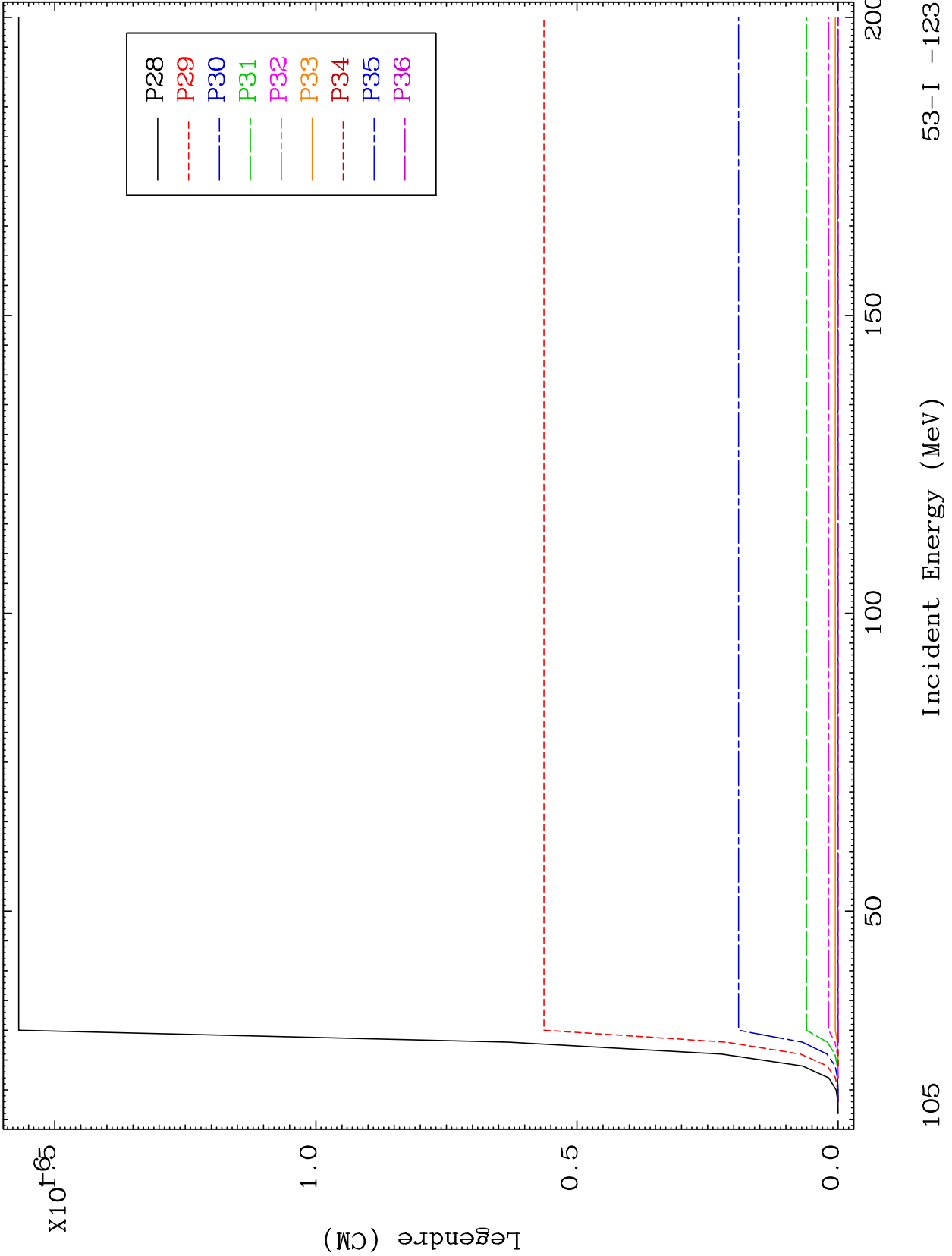
53-I -123



MAT 5313

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

53-I -123



105

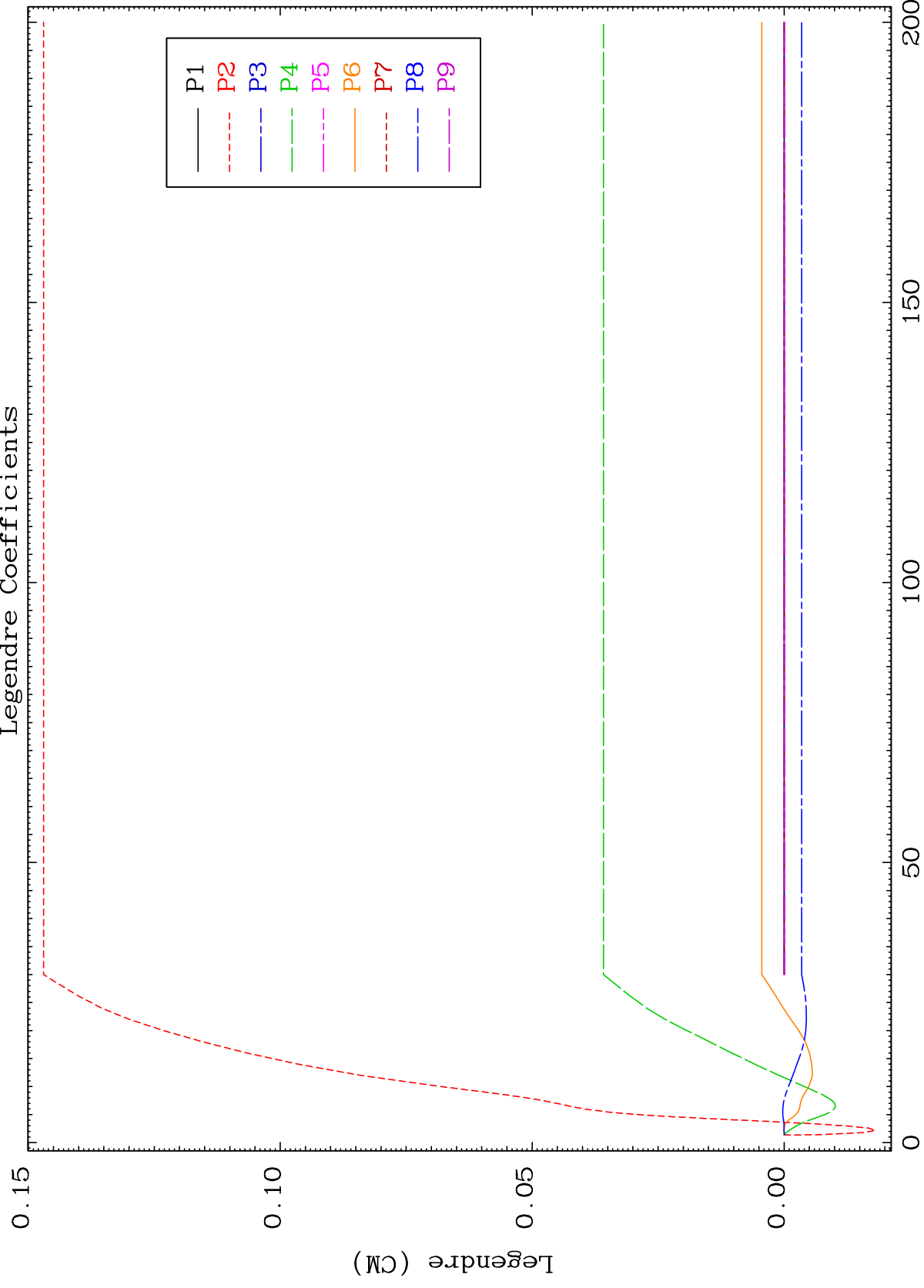
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



53-I -123

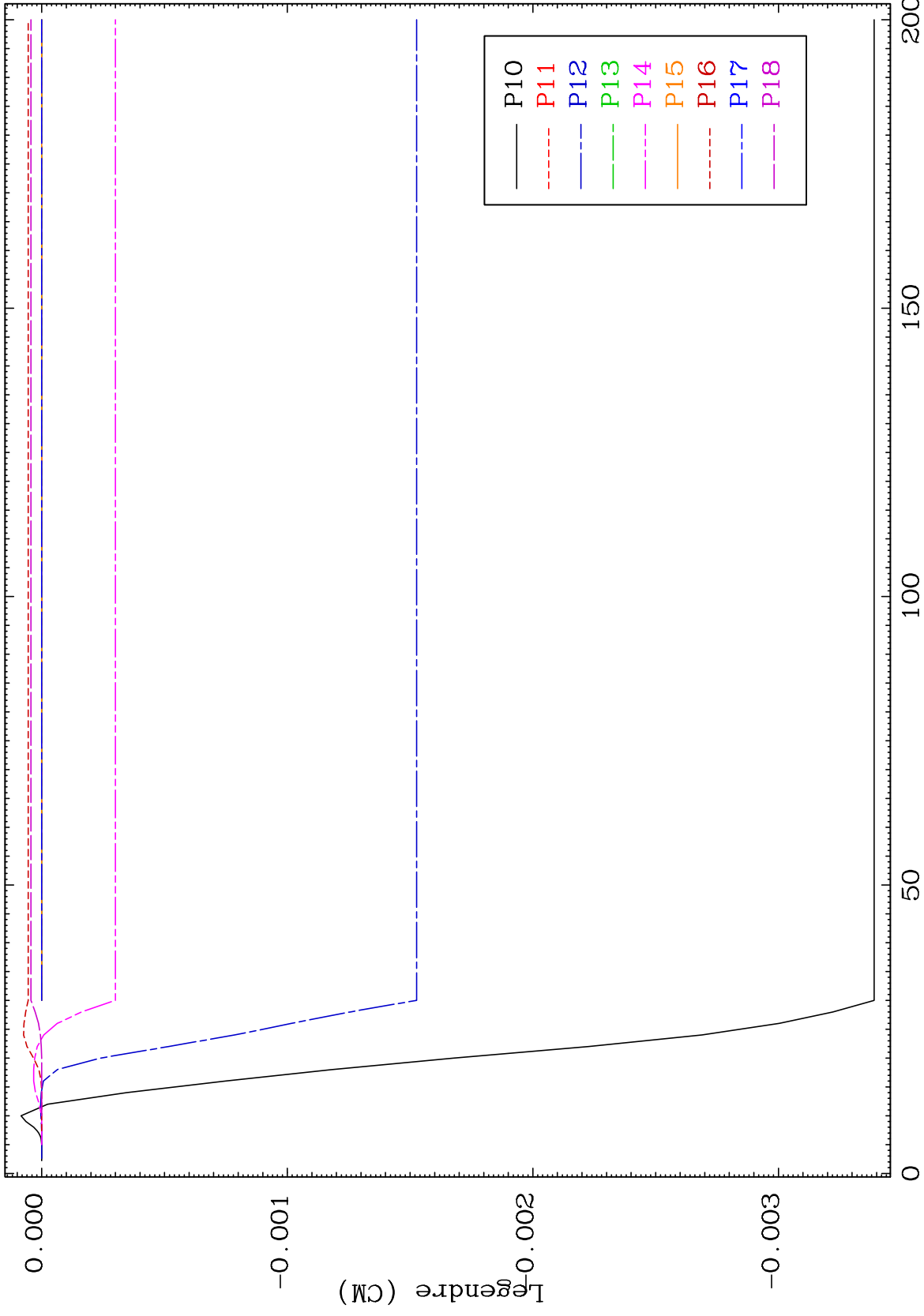
Incident Energy (MeV)

106

MAT 5313

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

53-I -123



107

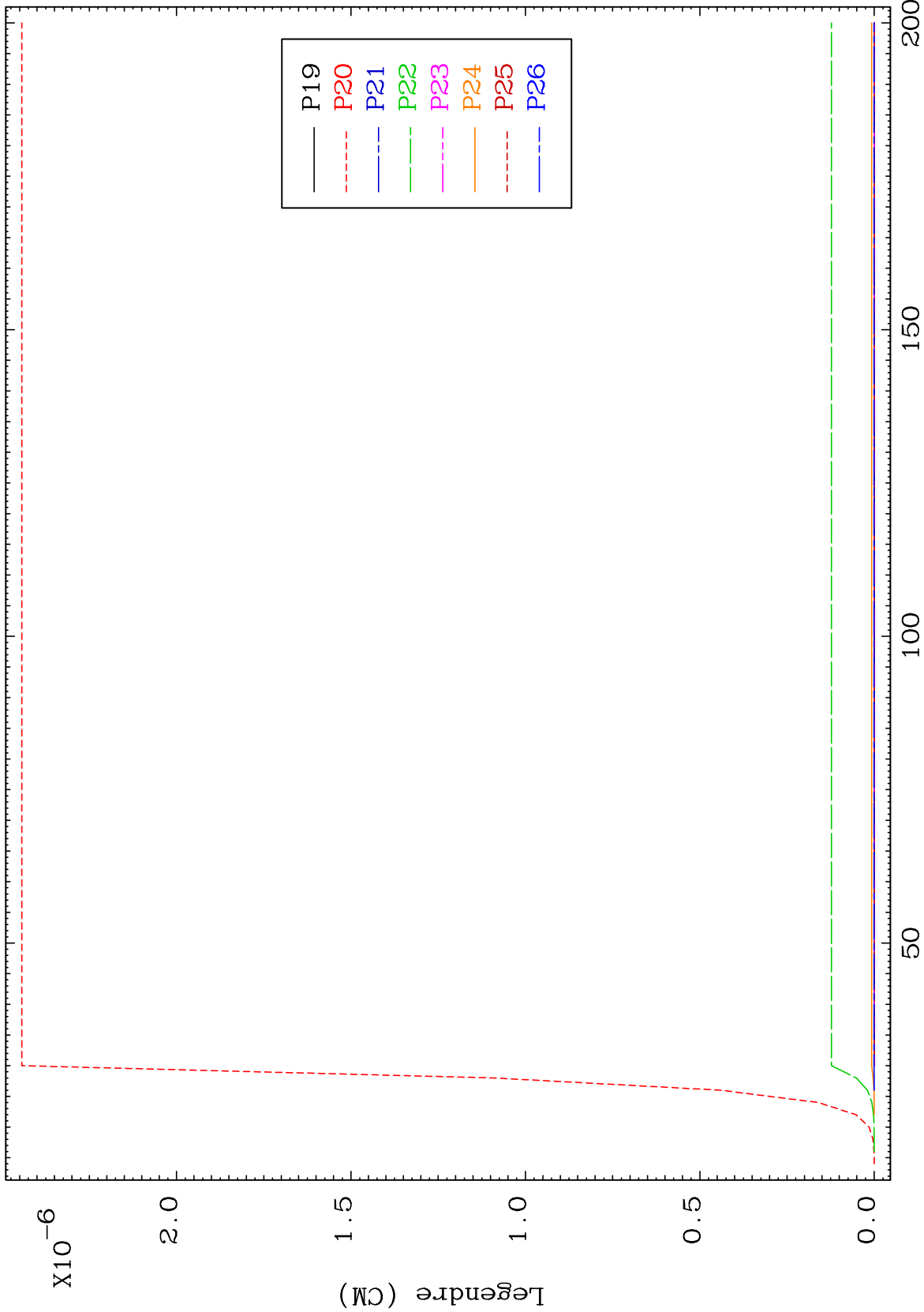
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



108

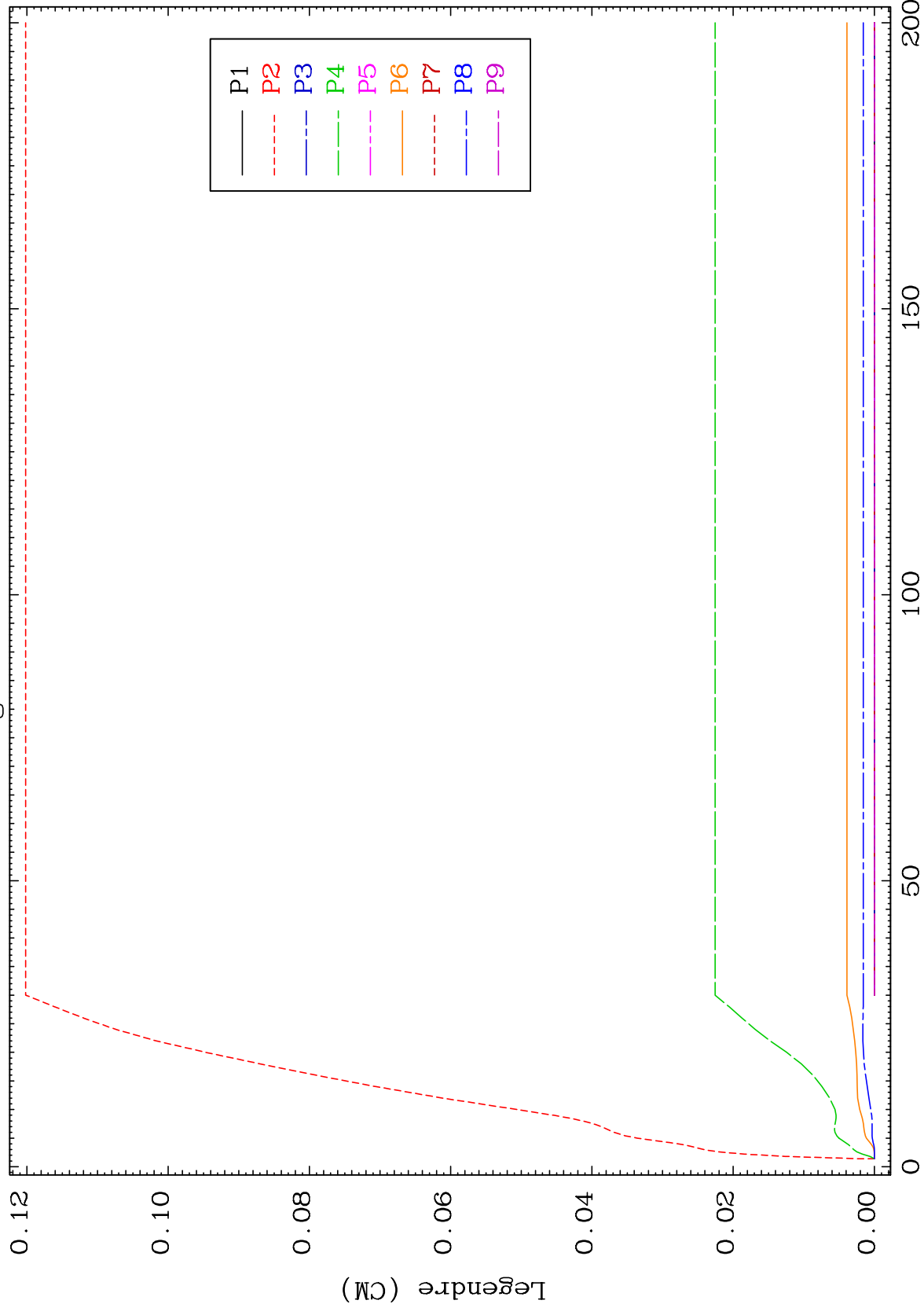
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



109

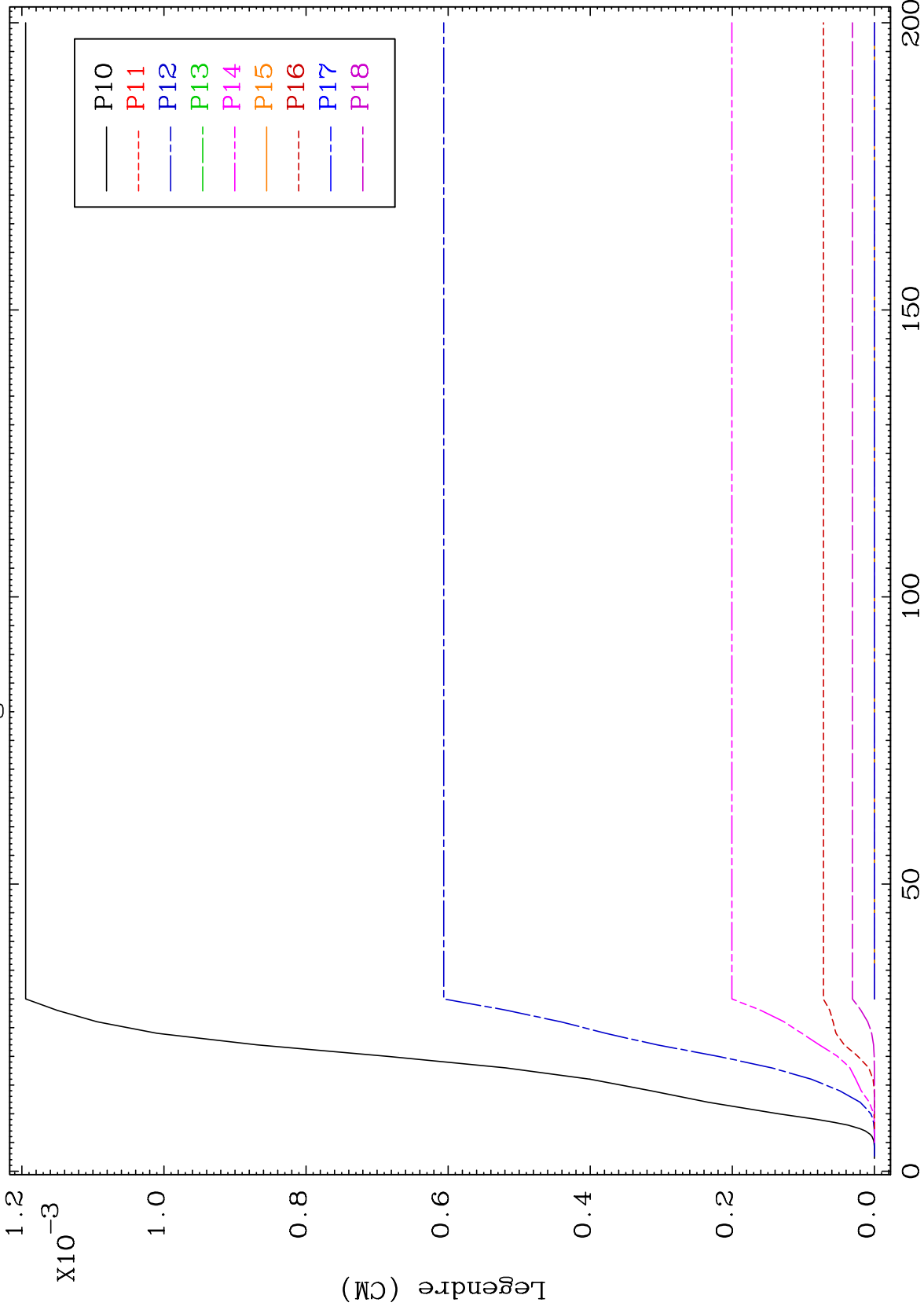
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



110

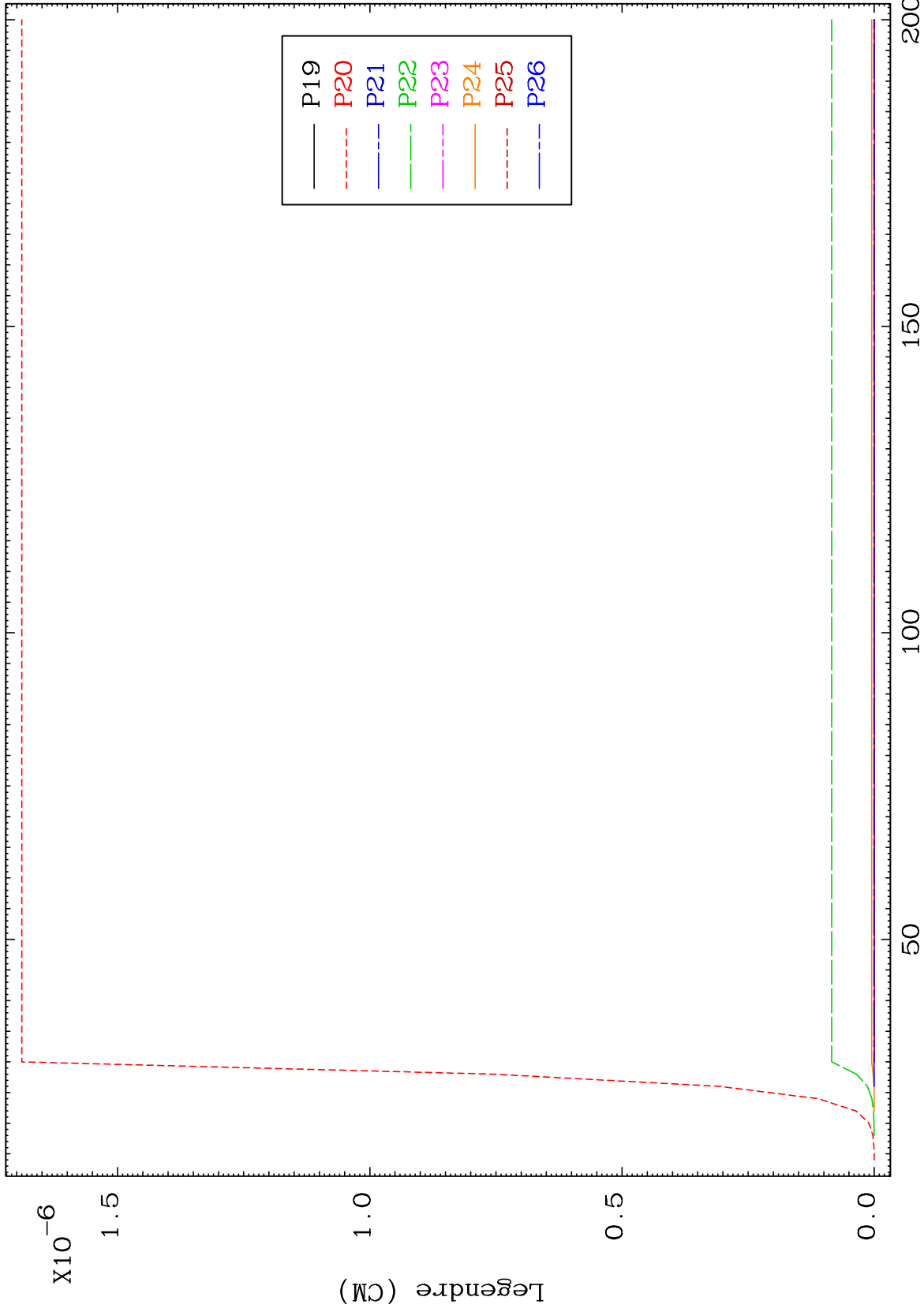
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



111

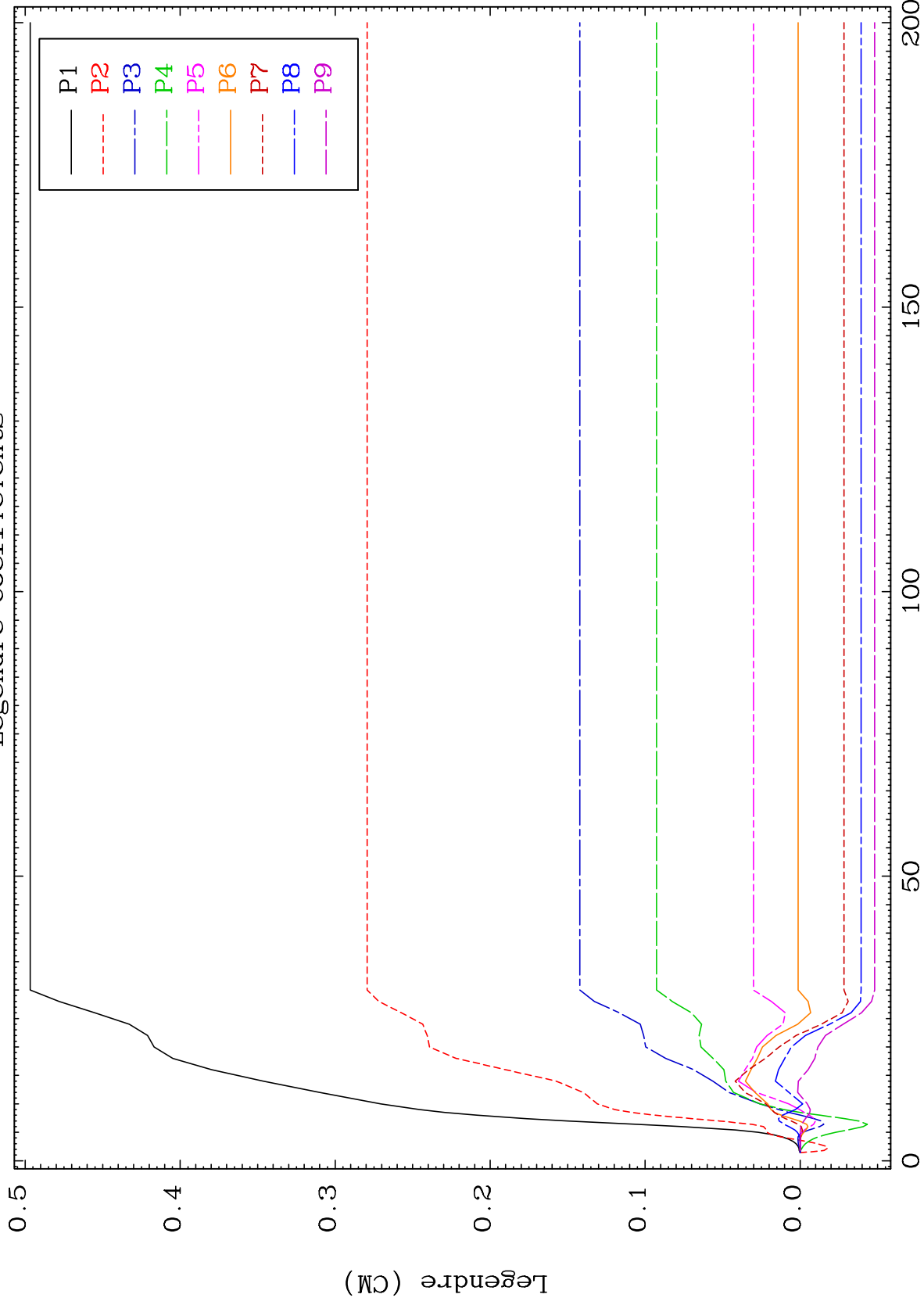
53-I -123

MAT 5313

MT= 76 (n,n') Level

53-I -123

Legendre Coefficients



112

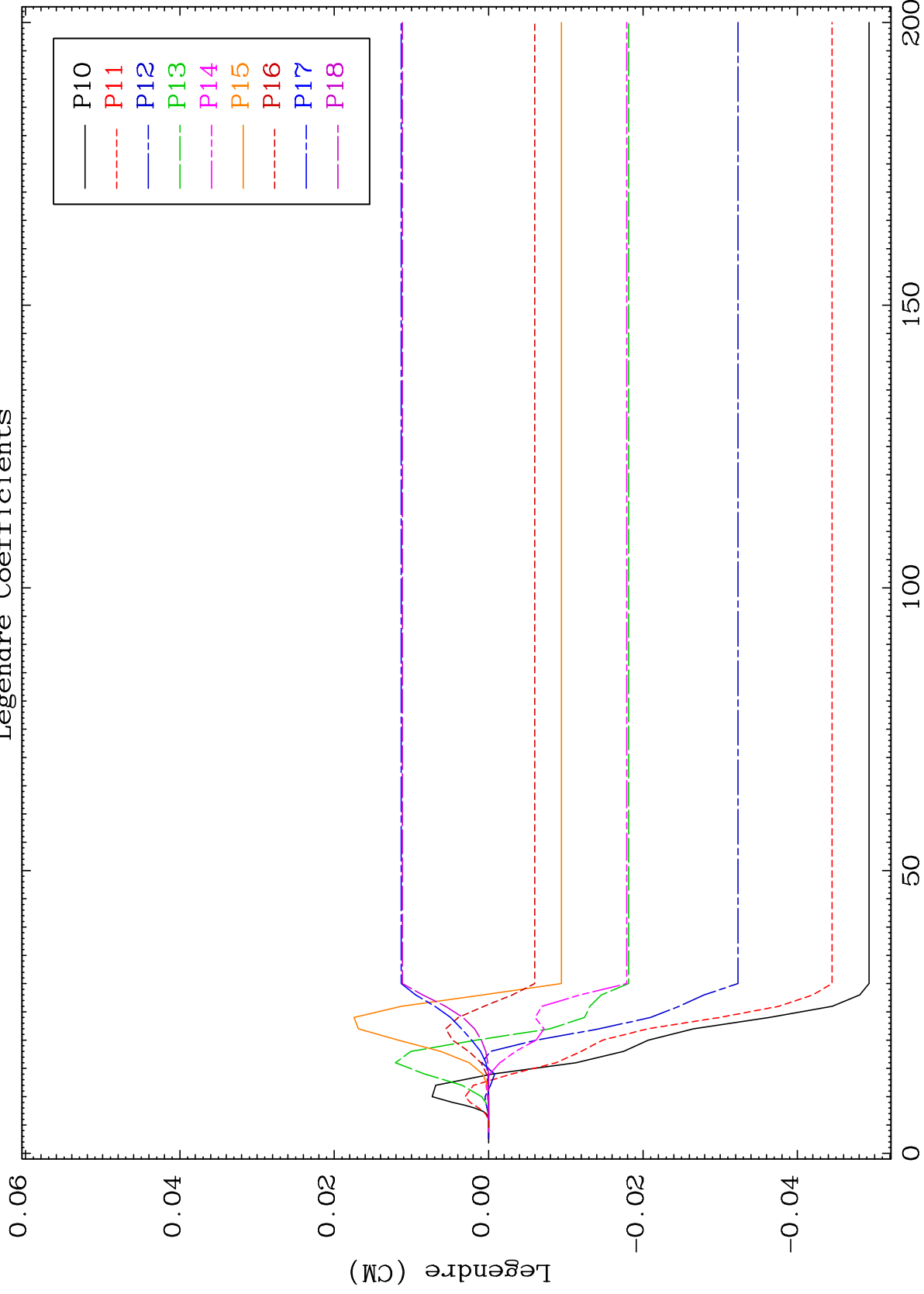
Incident Energy (MeV)

53-I -123

MAT 5313

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

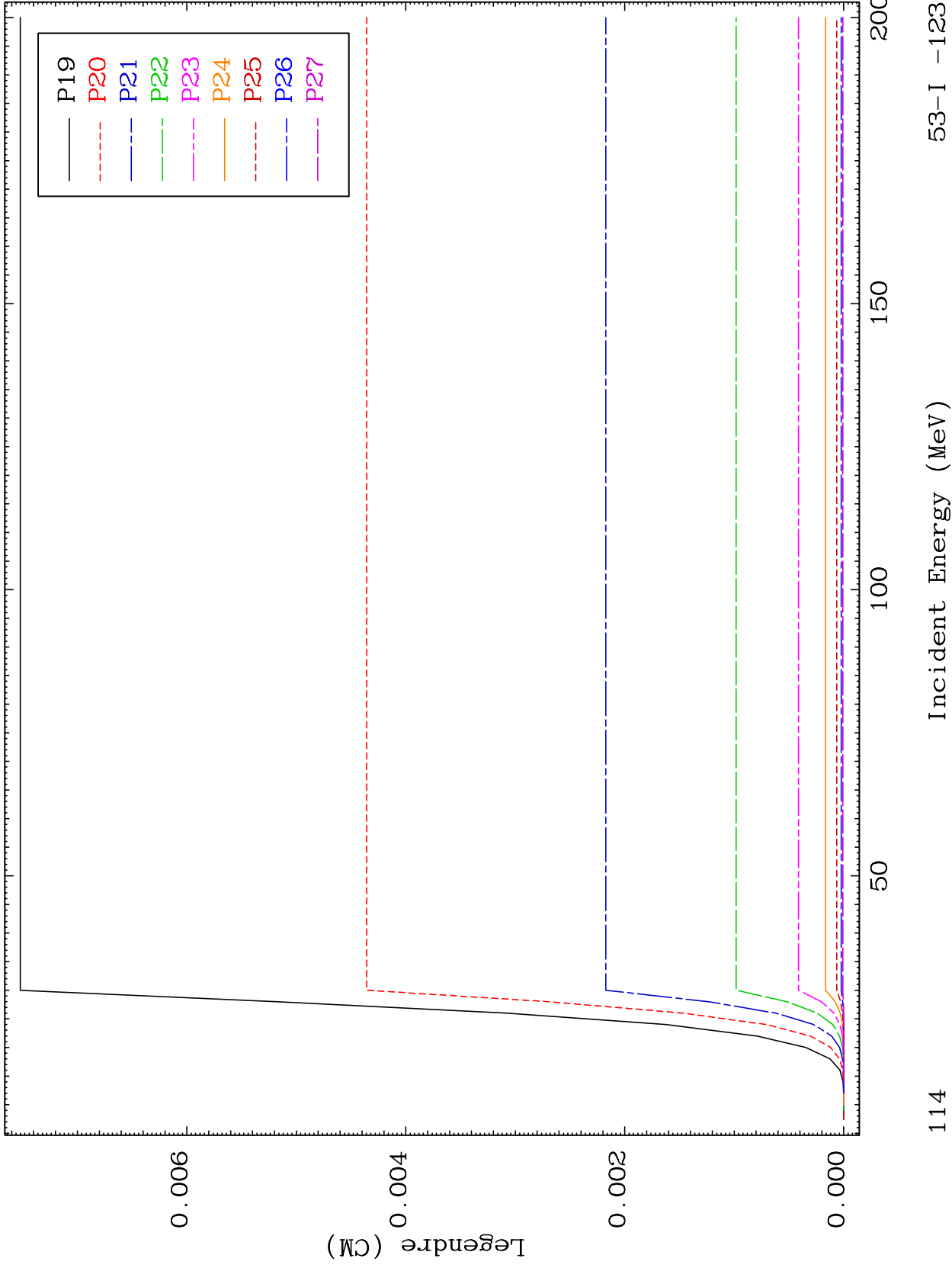
53-I -123



113

Incident Energy (MeV)

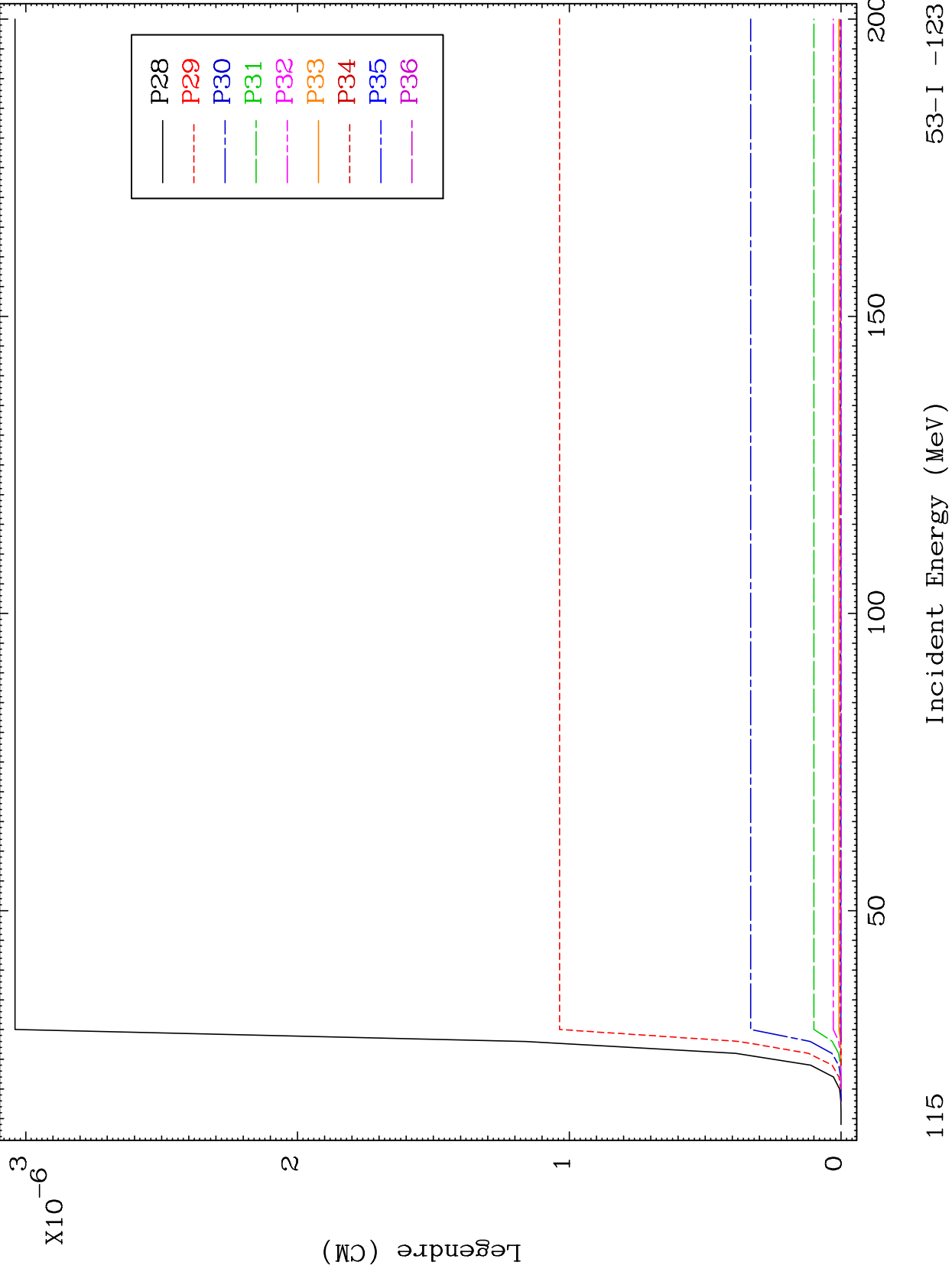
53-I -123



MAT 5313

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

53-I -123

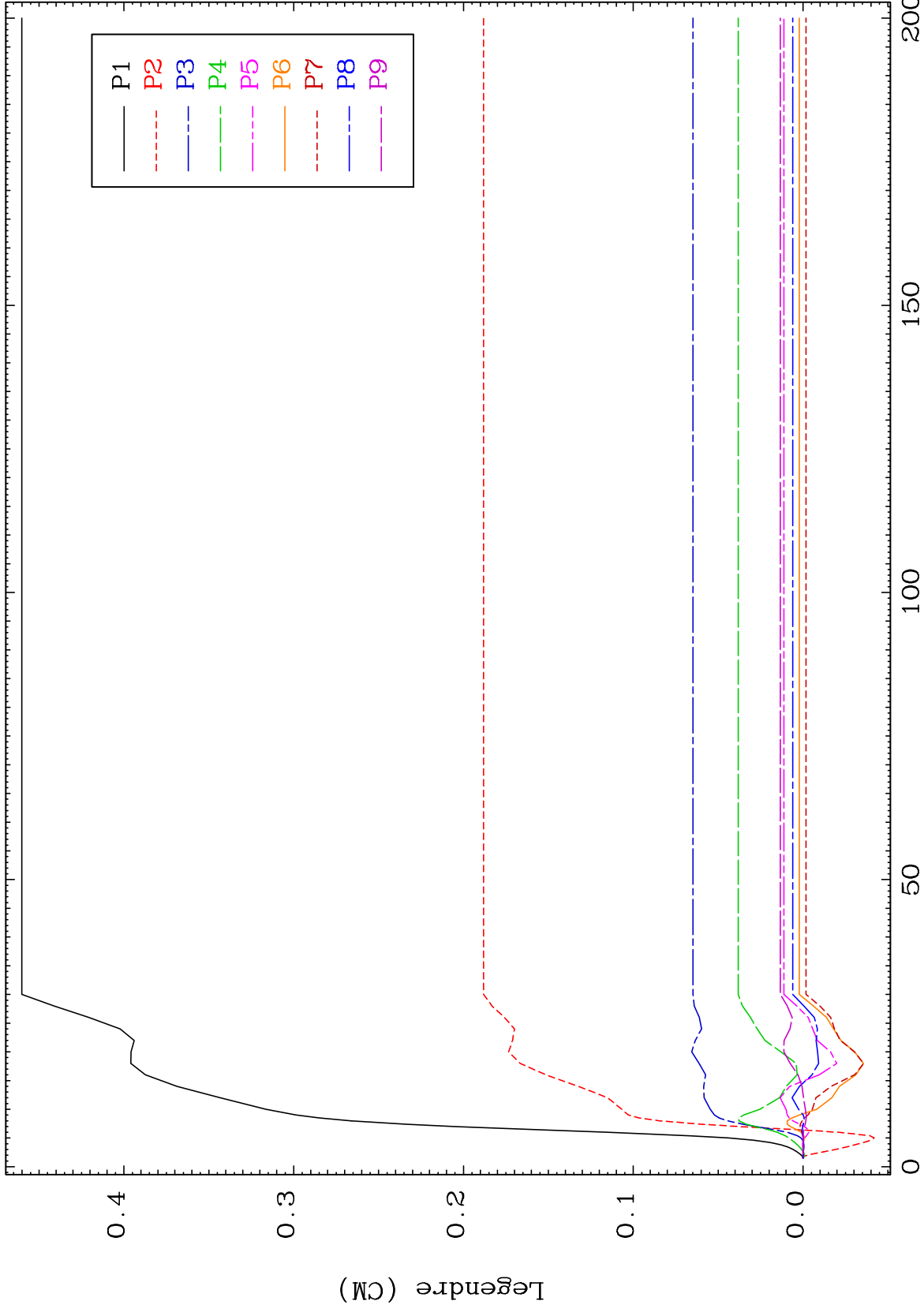


53-I -123

MAT 5313

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

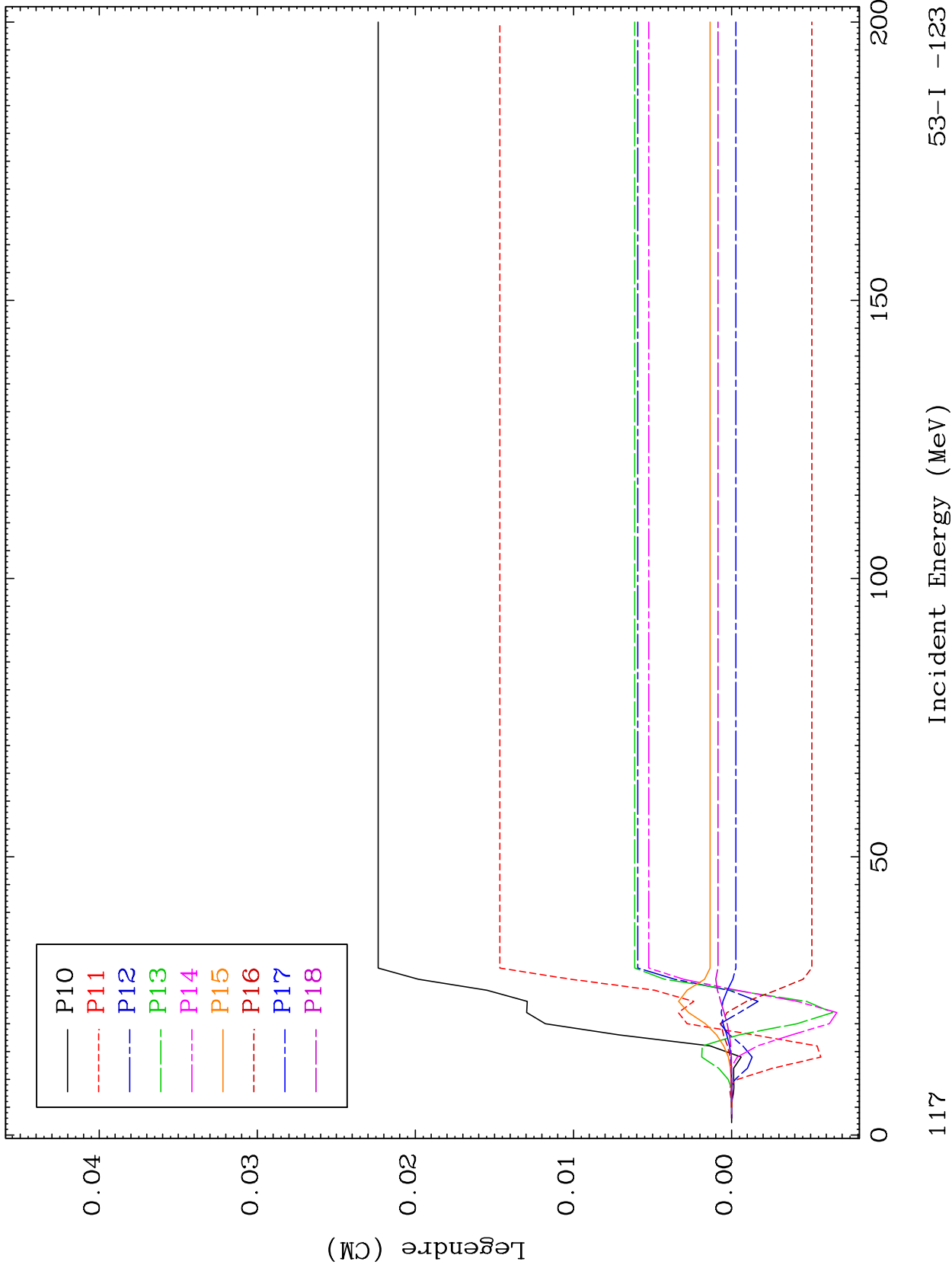
53-I -123

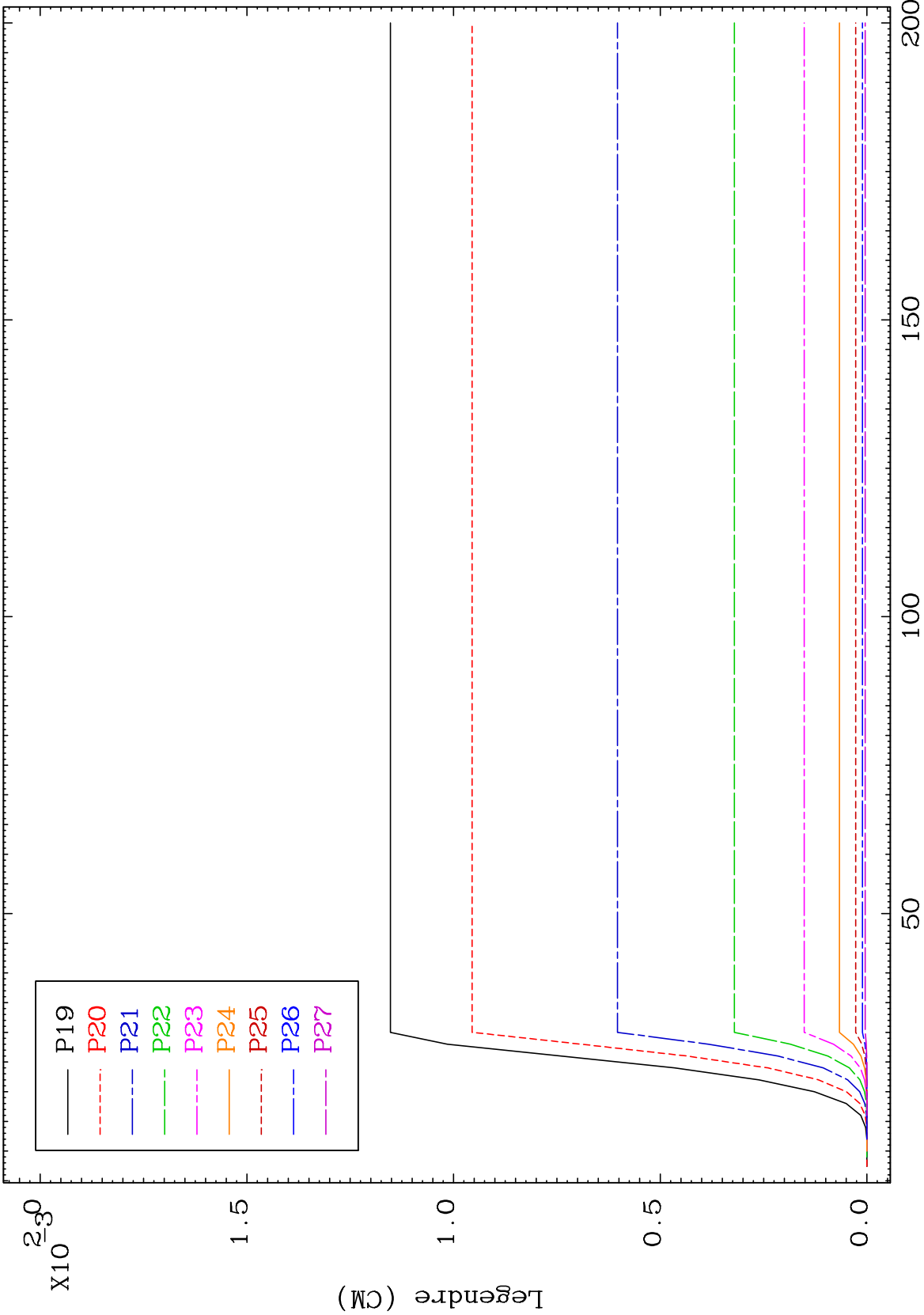


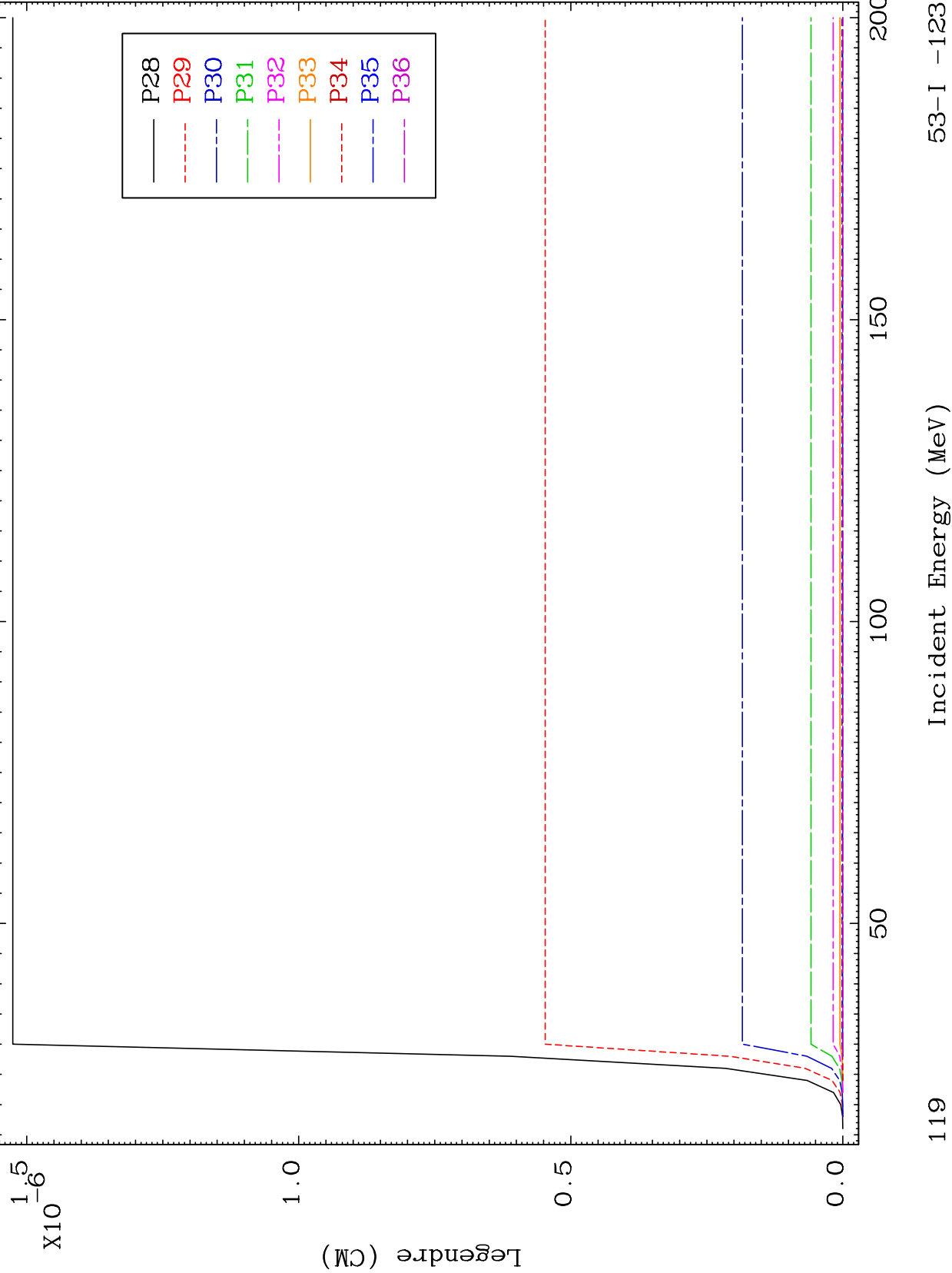
116

Incident Energy (MeV)

53-I -123



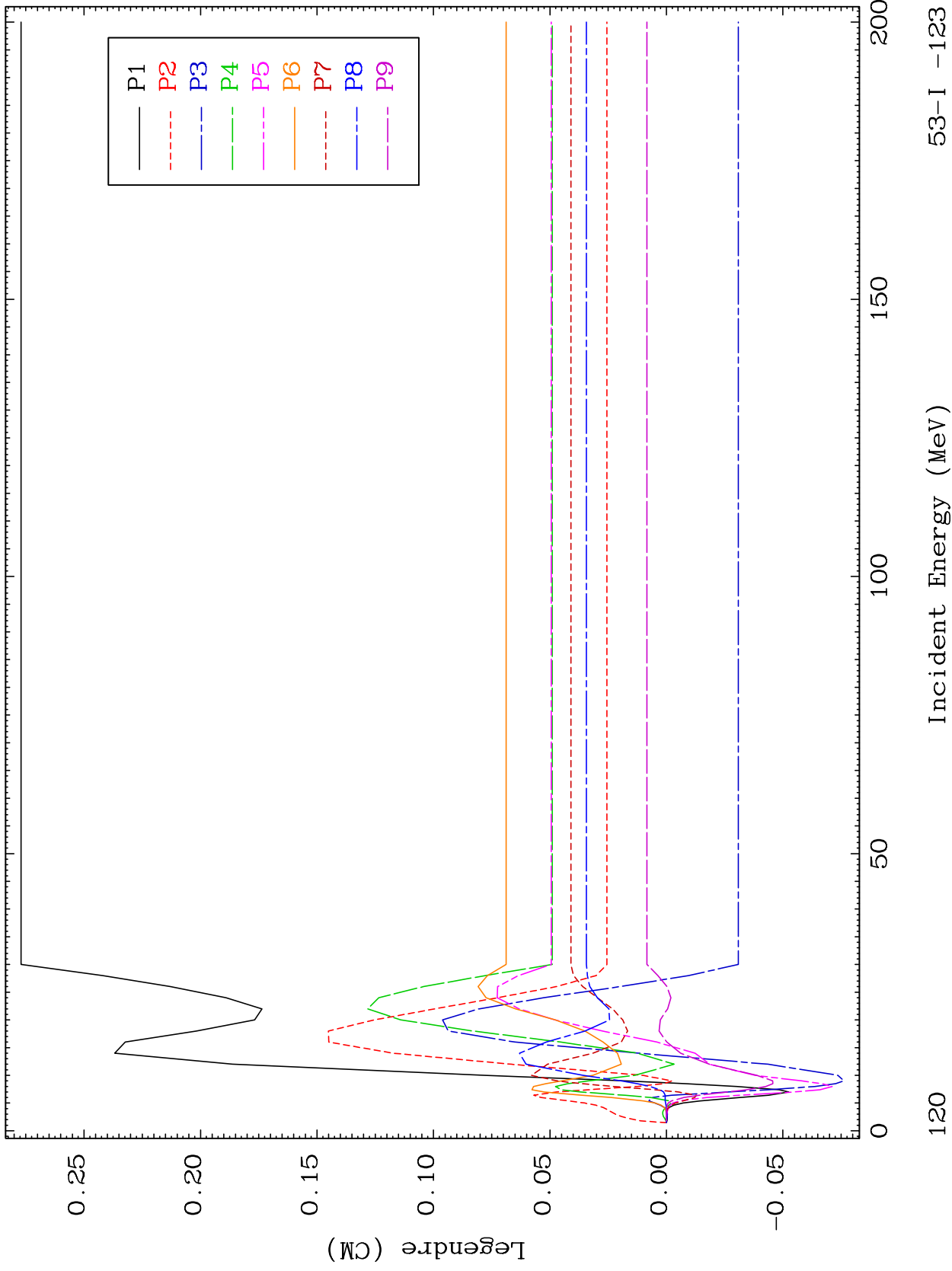




MAT 5313

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

53-I -123

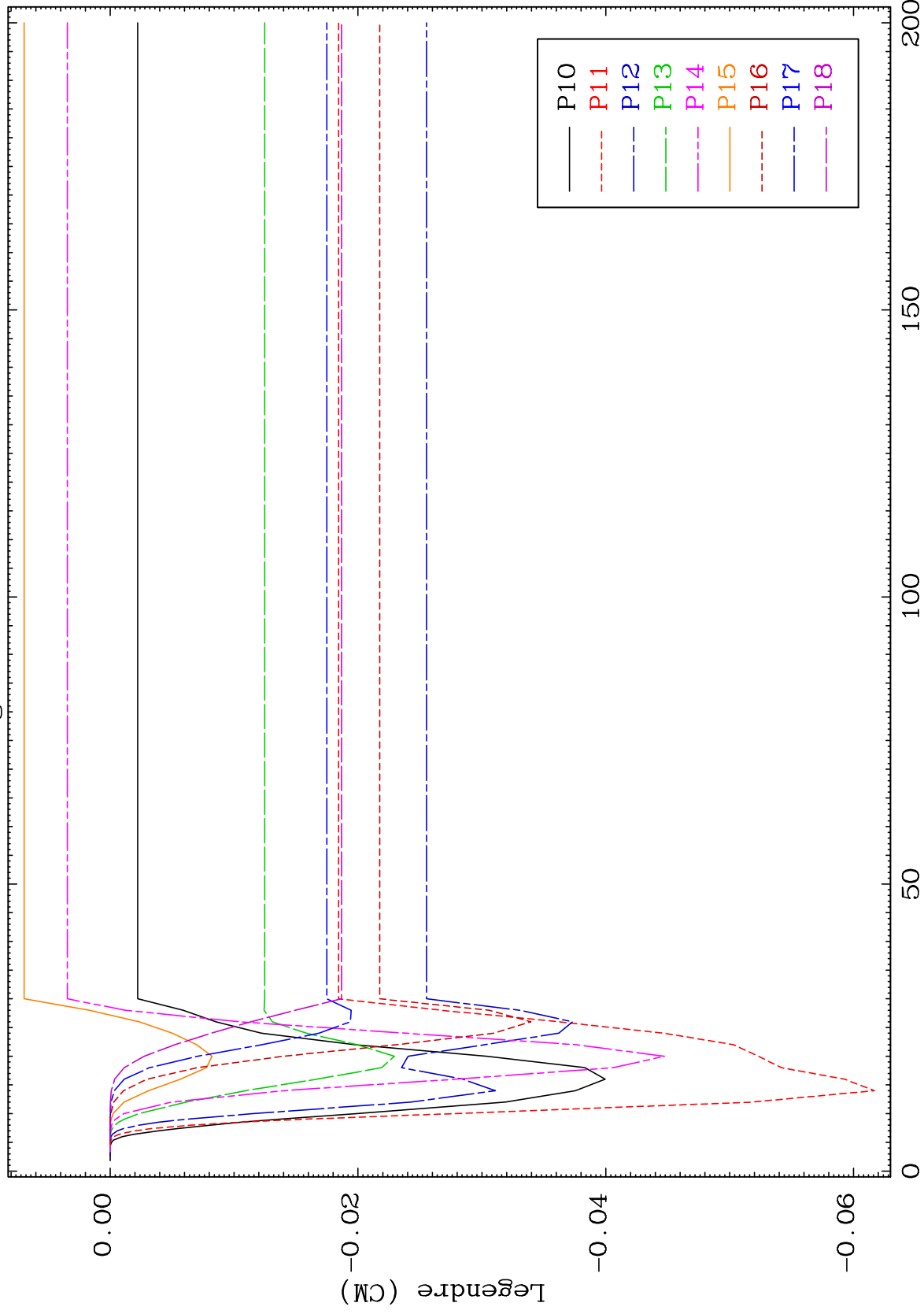


53-I -123

MAT 5313

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

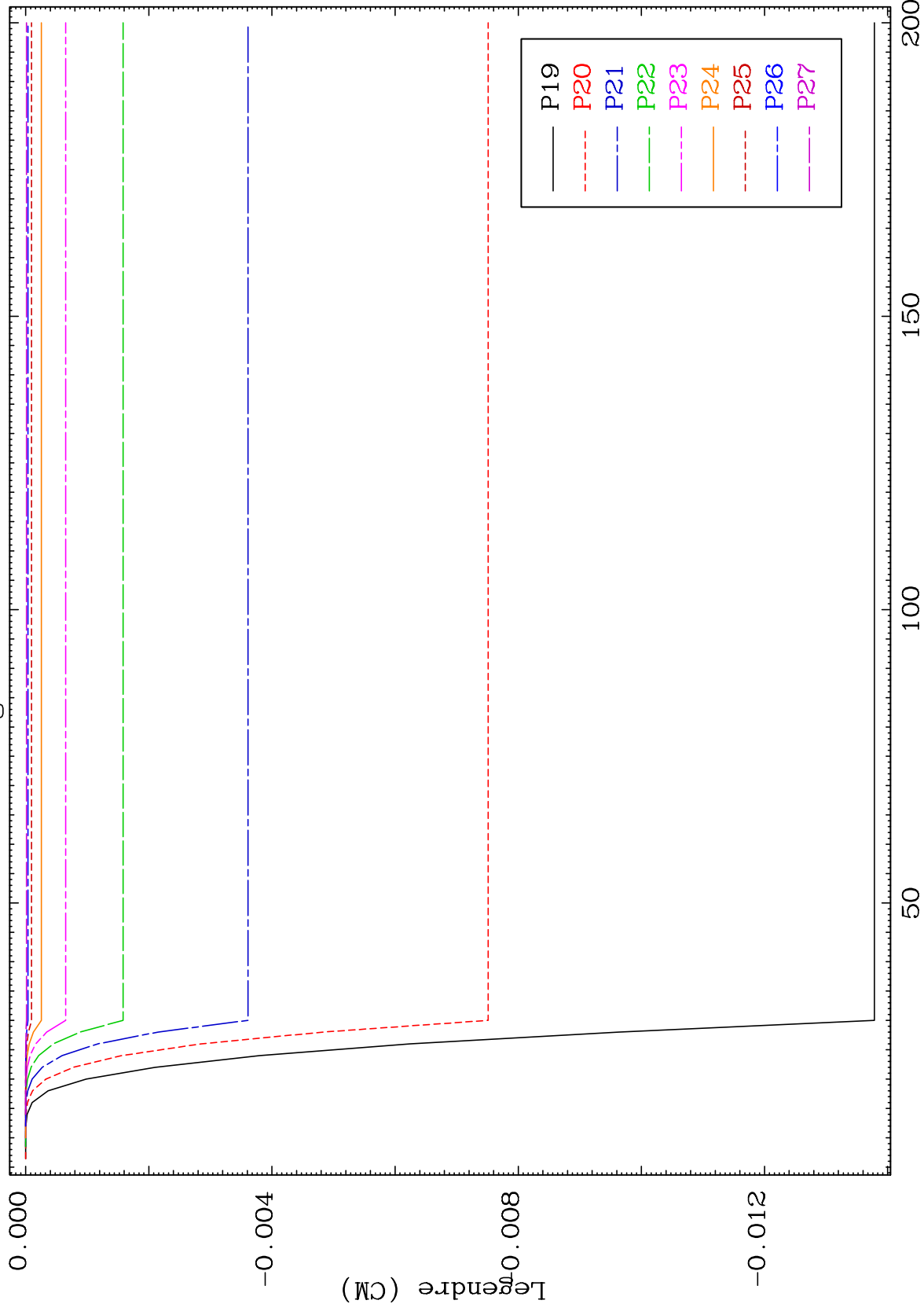
53-I -123



121

Incident Energy (MeV)

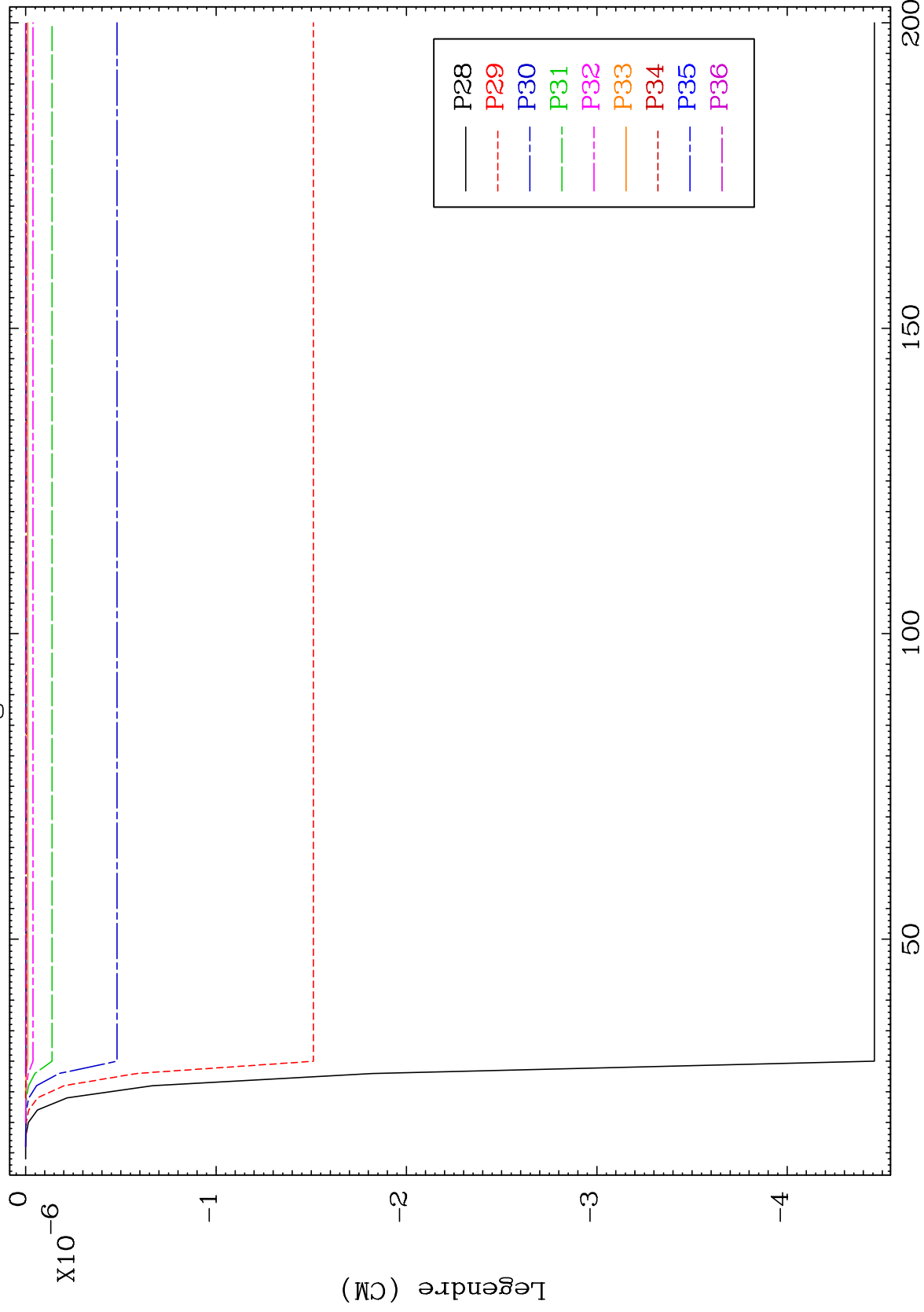
53-I -123



MAT 5313

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

53-I -123



123

Incident Energy (MeV)

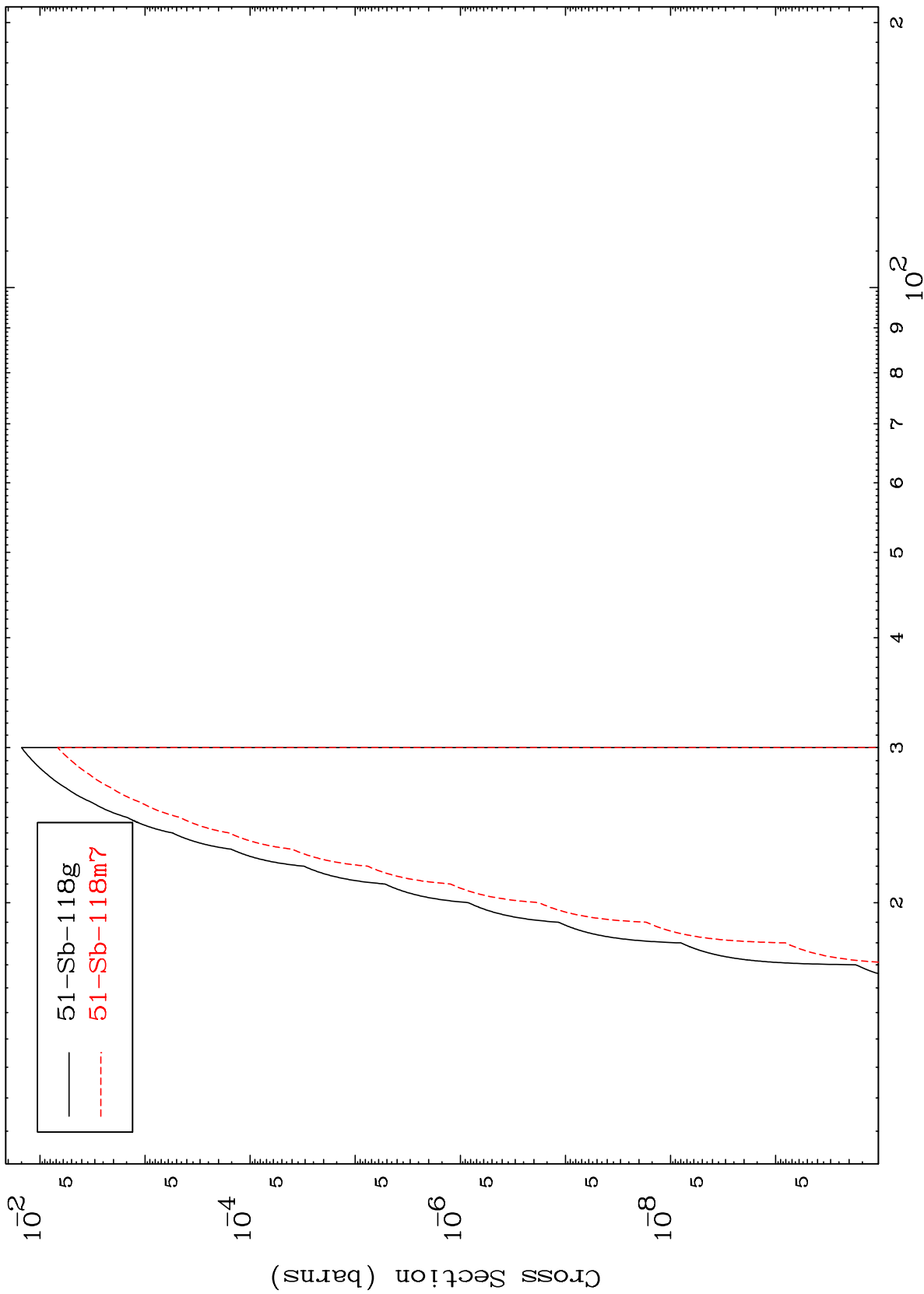
53-I -123

MAT 5313

(n,2n) α

53-I -123

Radionuclide Production Cross Section

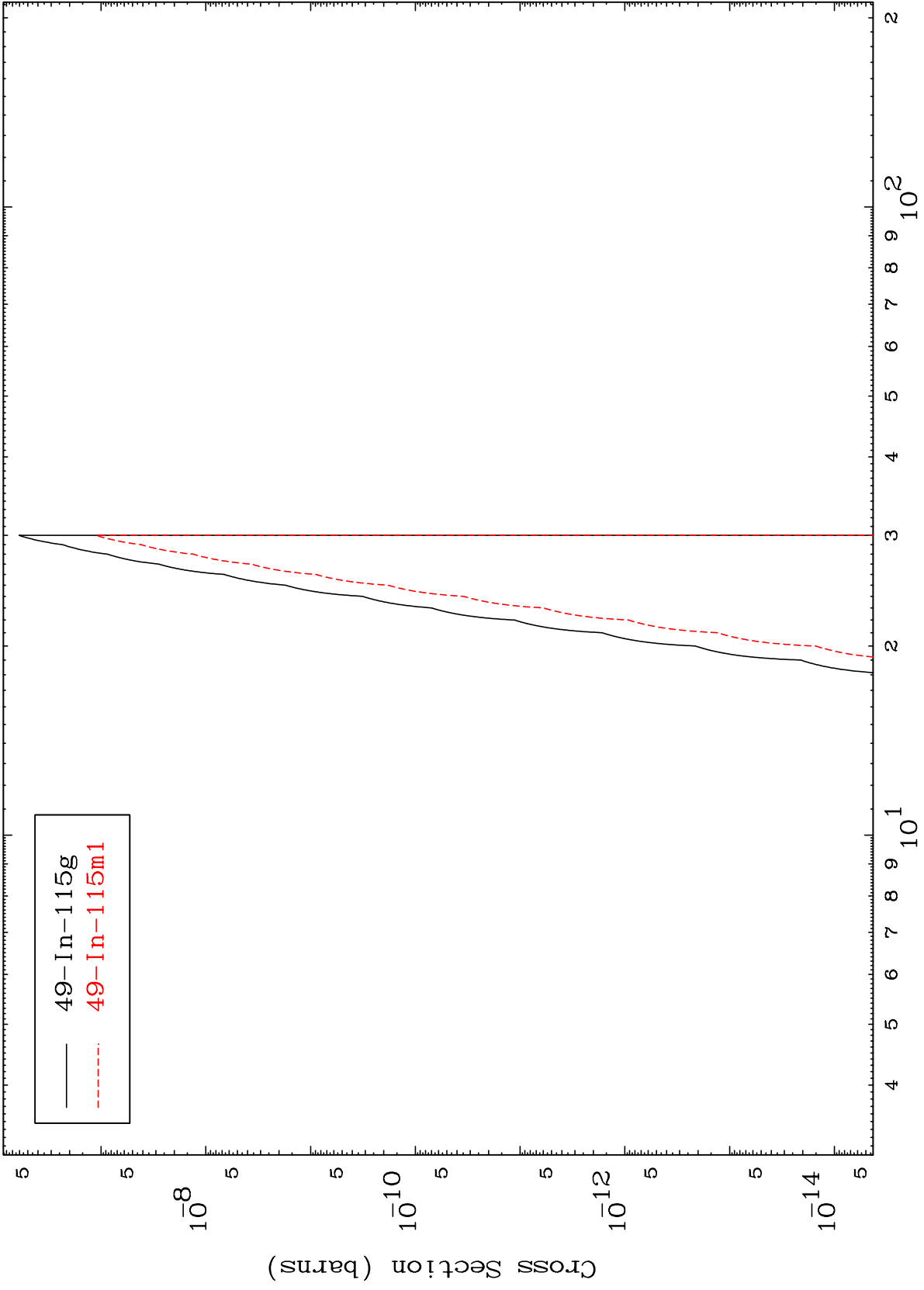


124

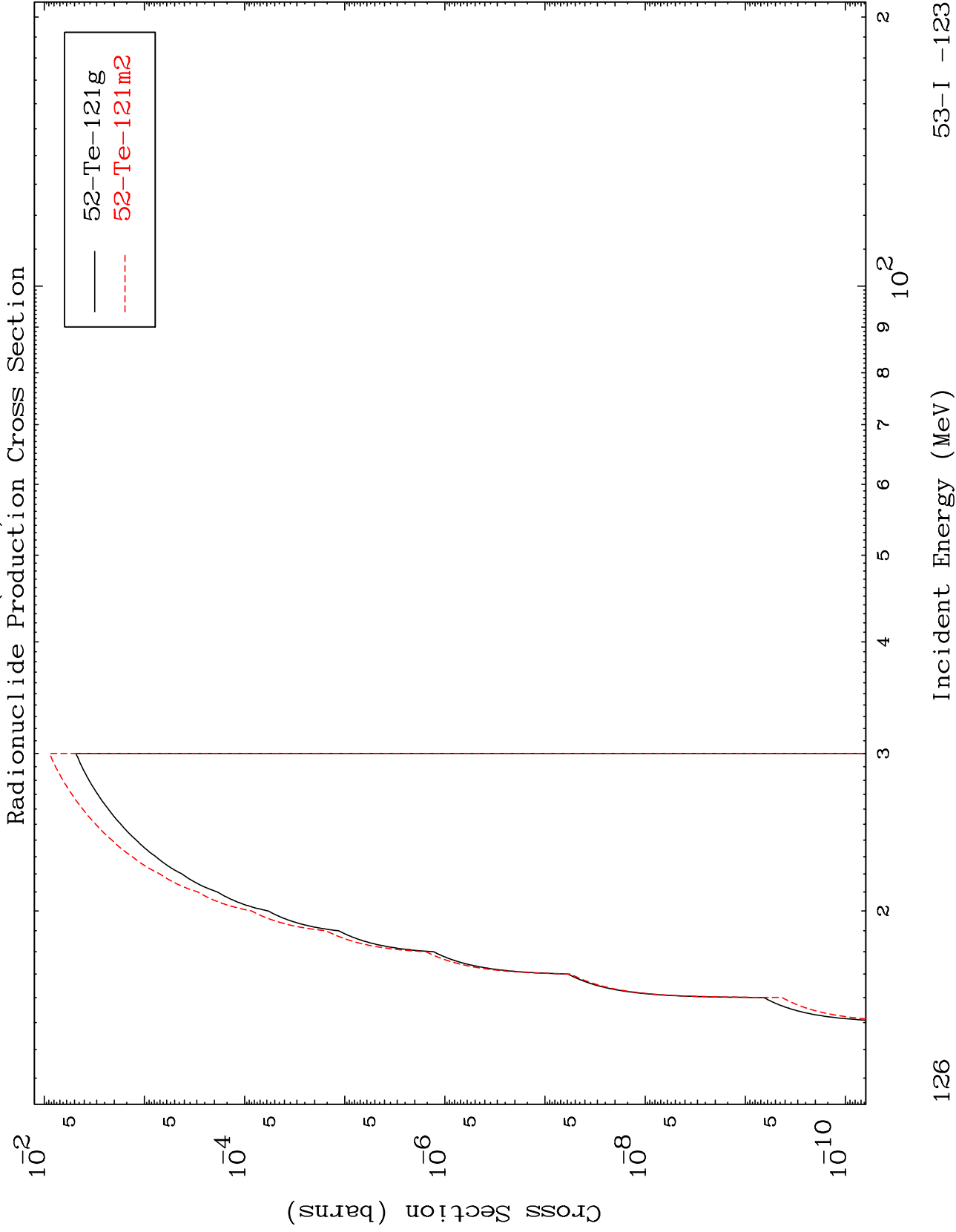
Incident Energy (MeV)

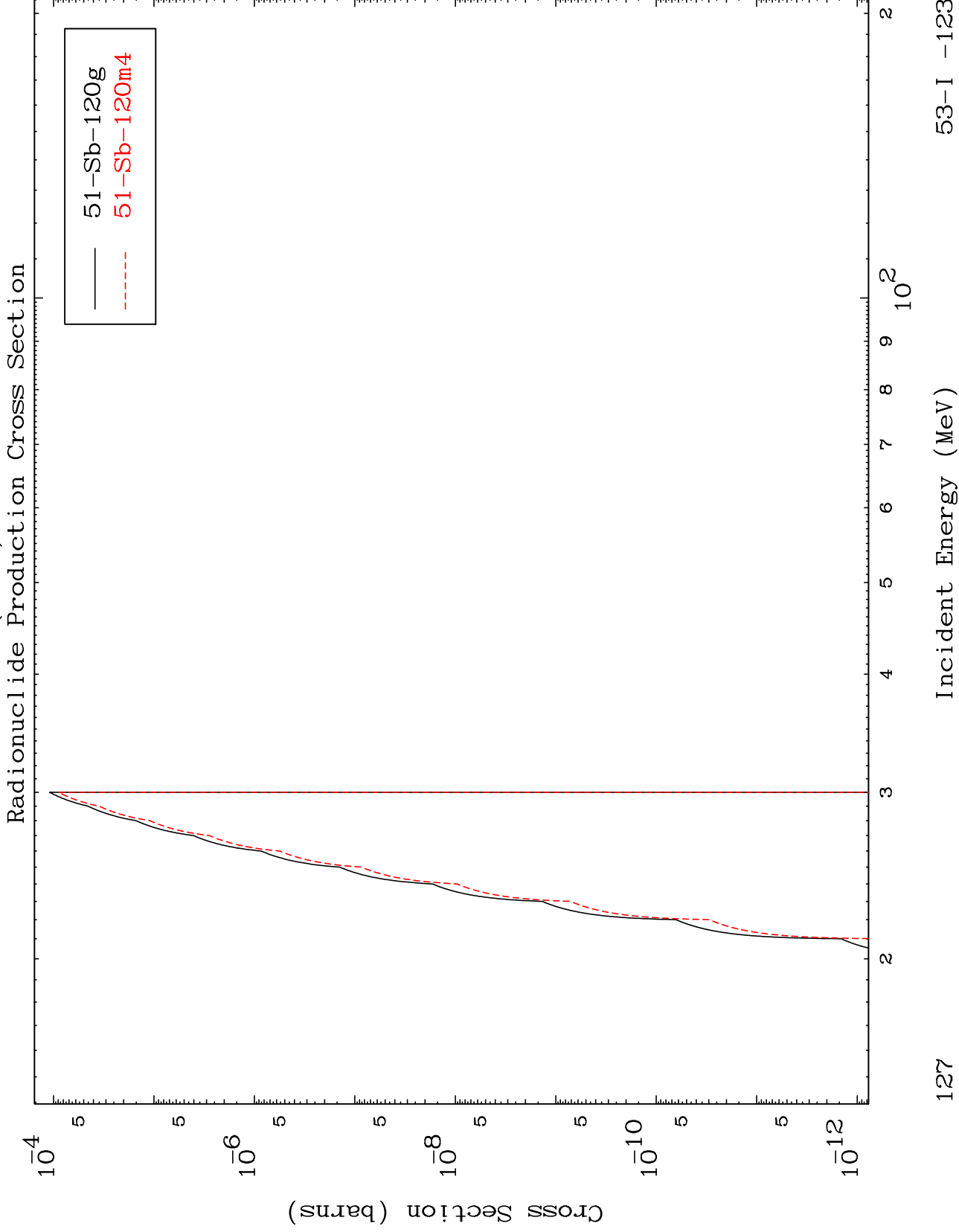
53-I -123

Radionuclide Production Cross Section

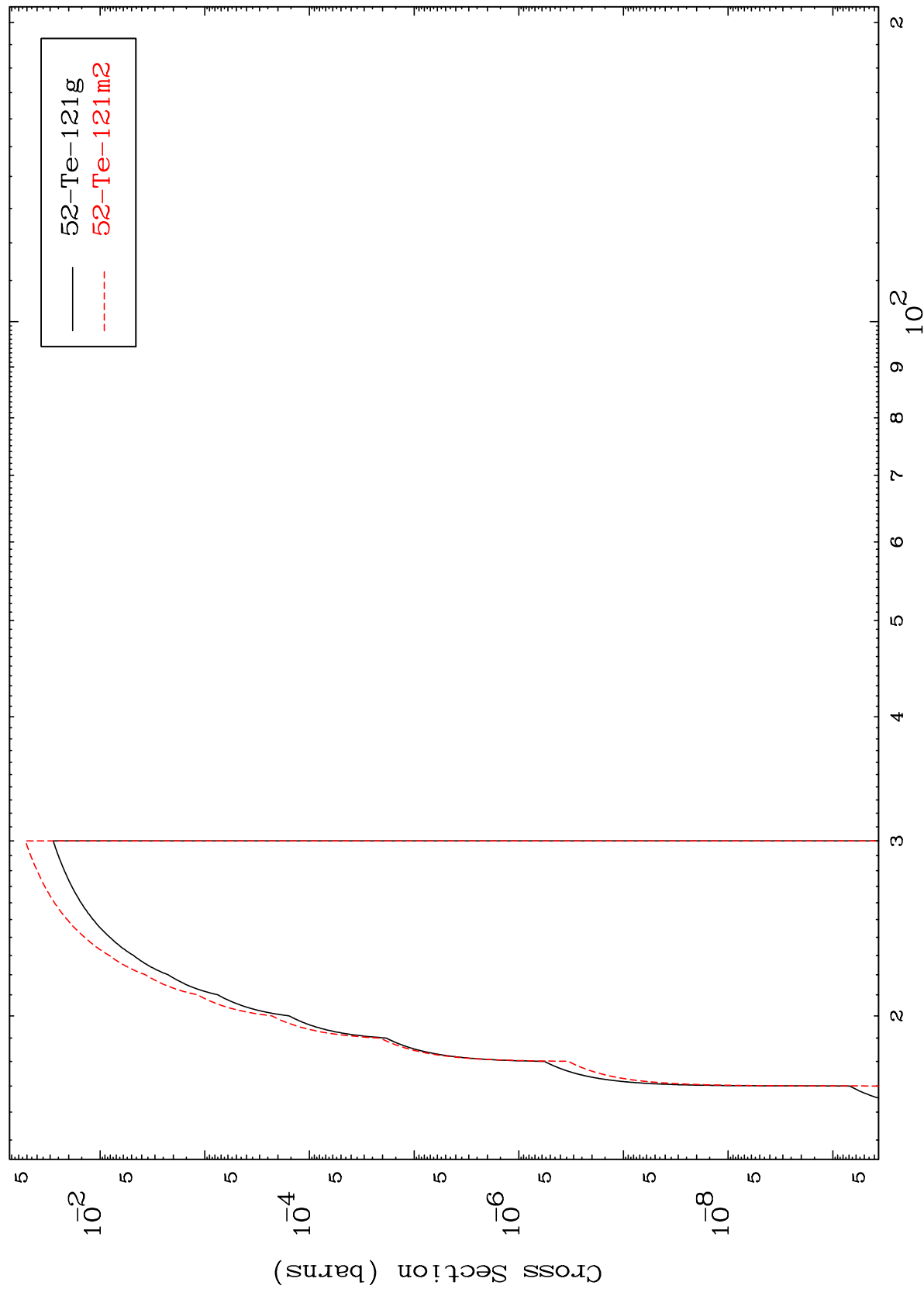


— 49-In-115g
- - - 49-In-115m1





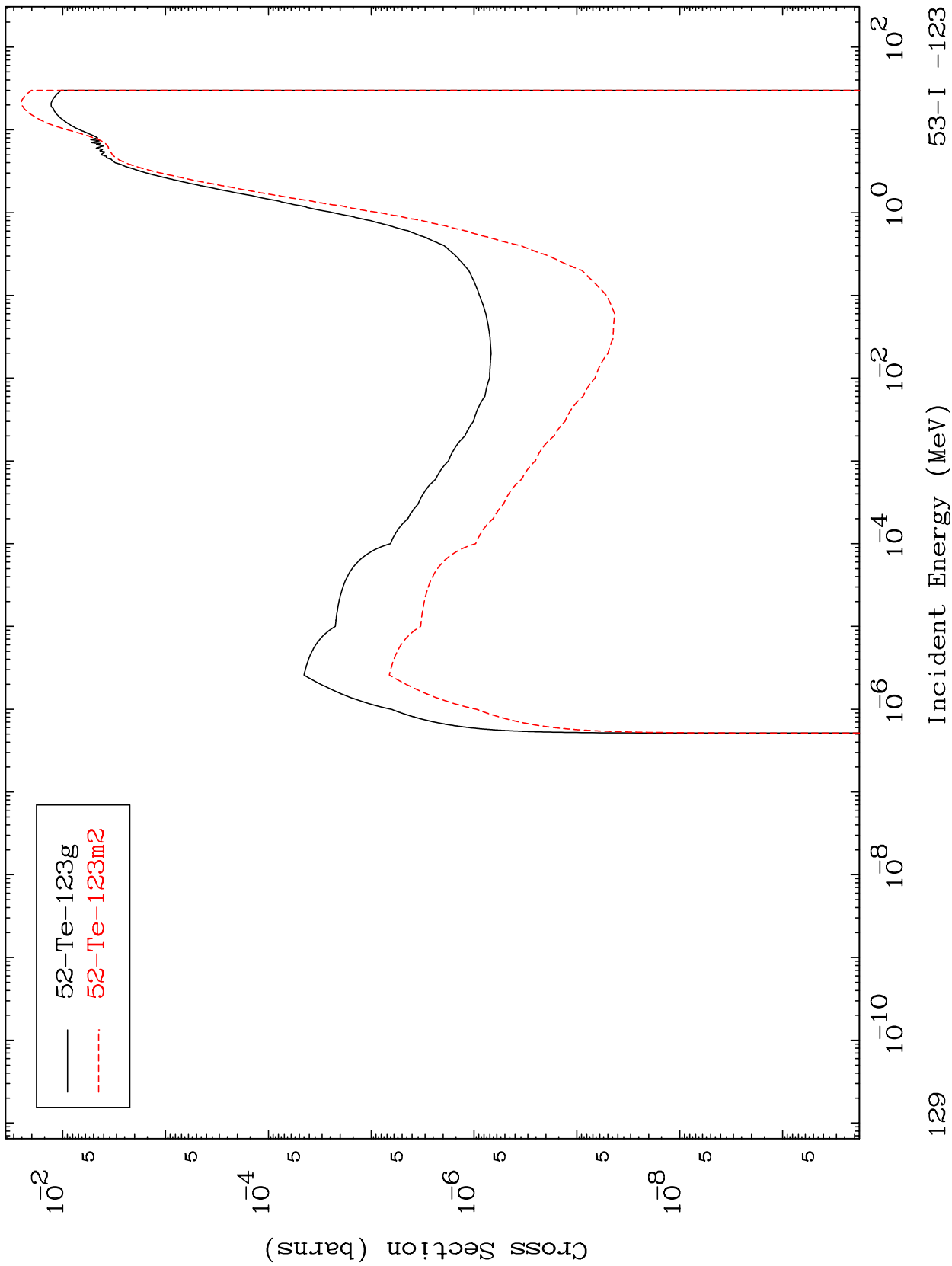
Radionuclide Production Cross Section



MAT 5313

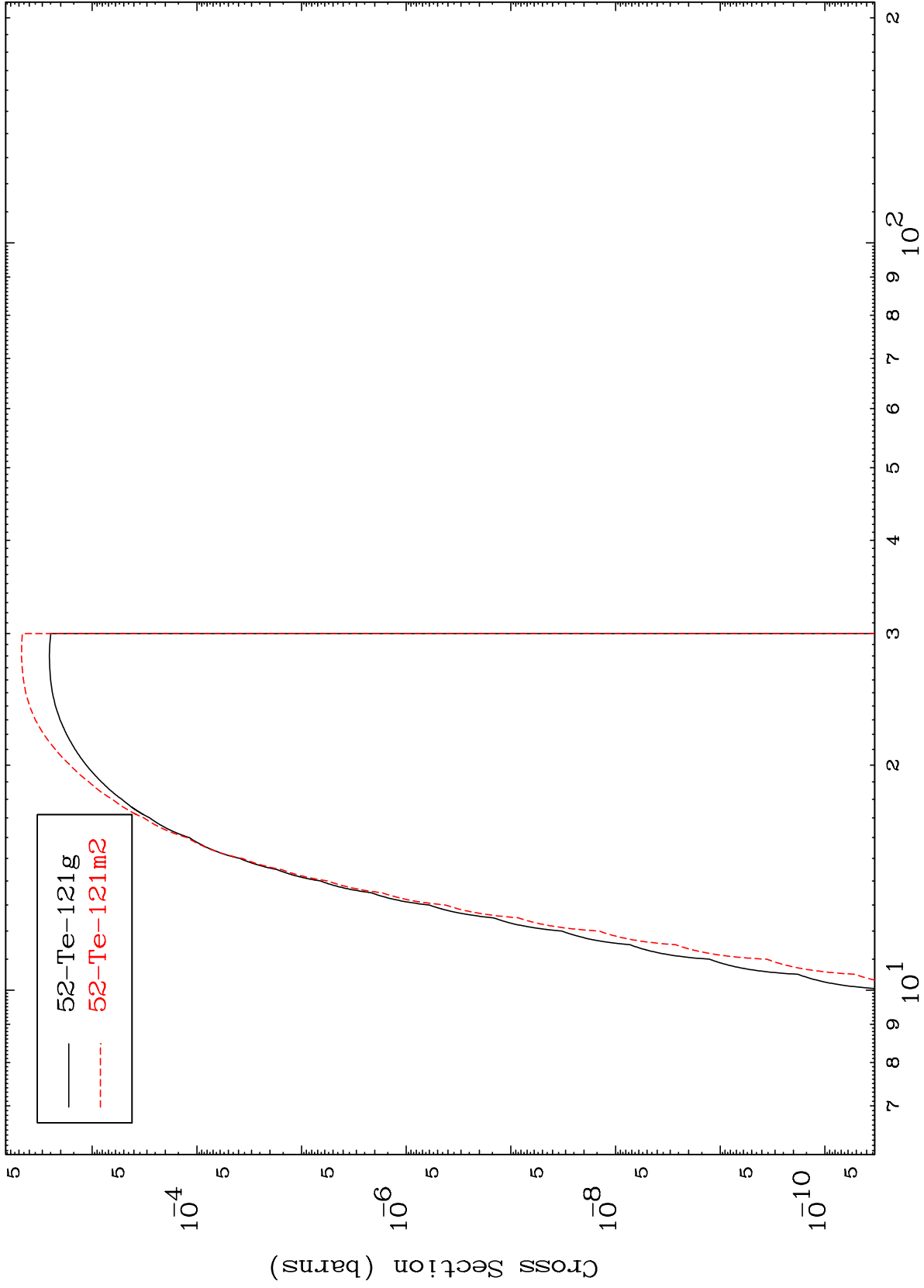
53-I -123

(n,p)
Radionuclide Production Cross Section



— 52-Te-123g
- - - 52-Te-123m2

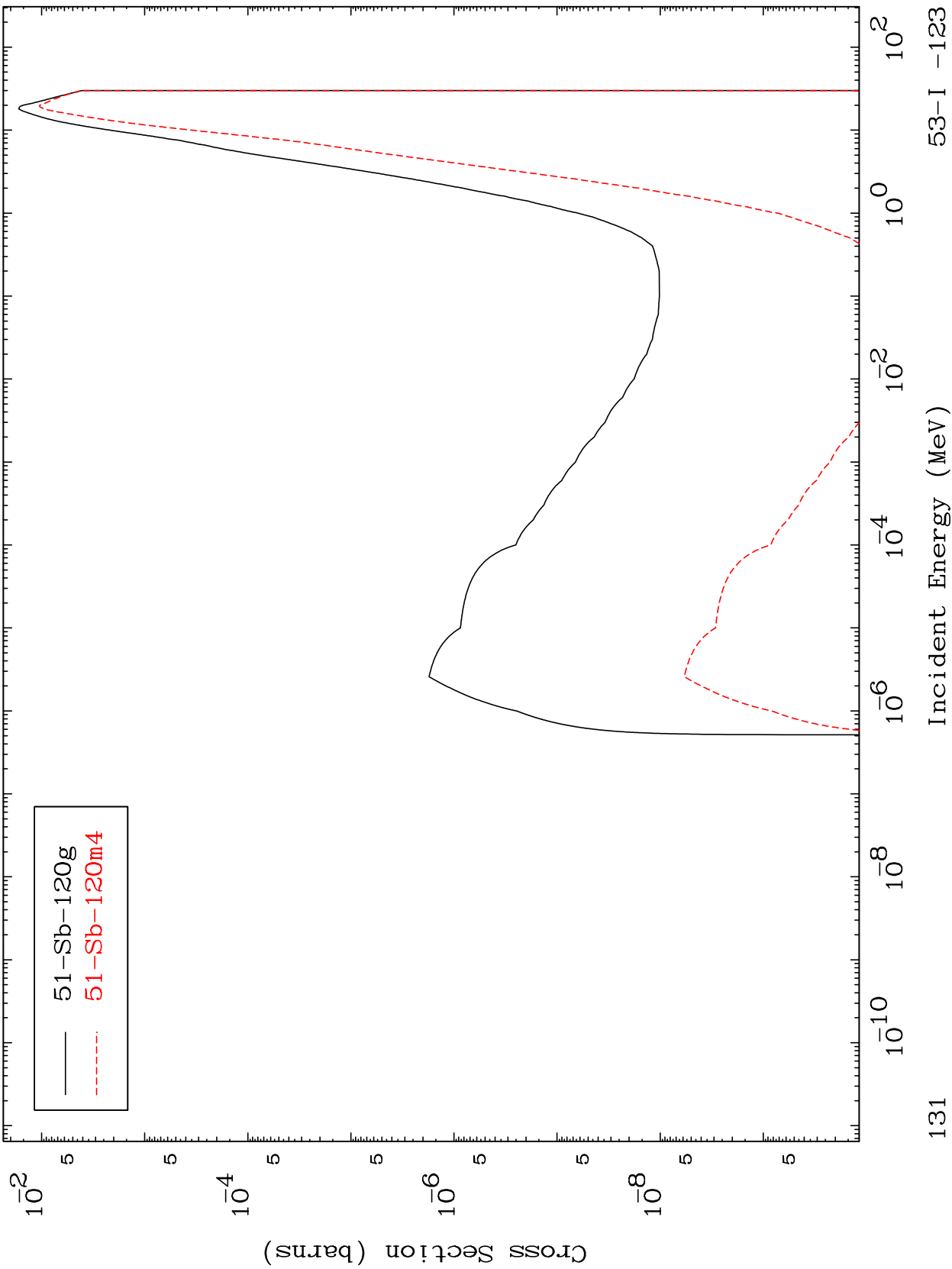
(n,t)
Radionuclide Production Cross Section



MAT 5313

53-I -123

Radionuclide Production Cross Section (n,α)

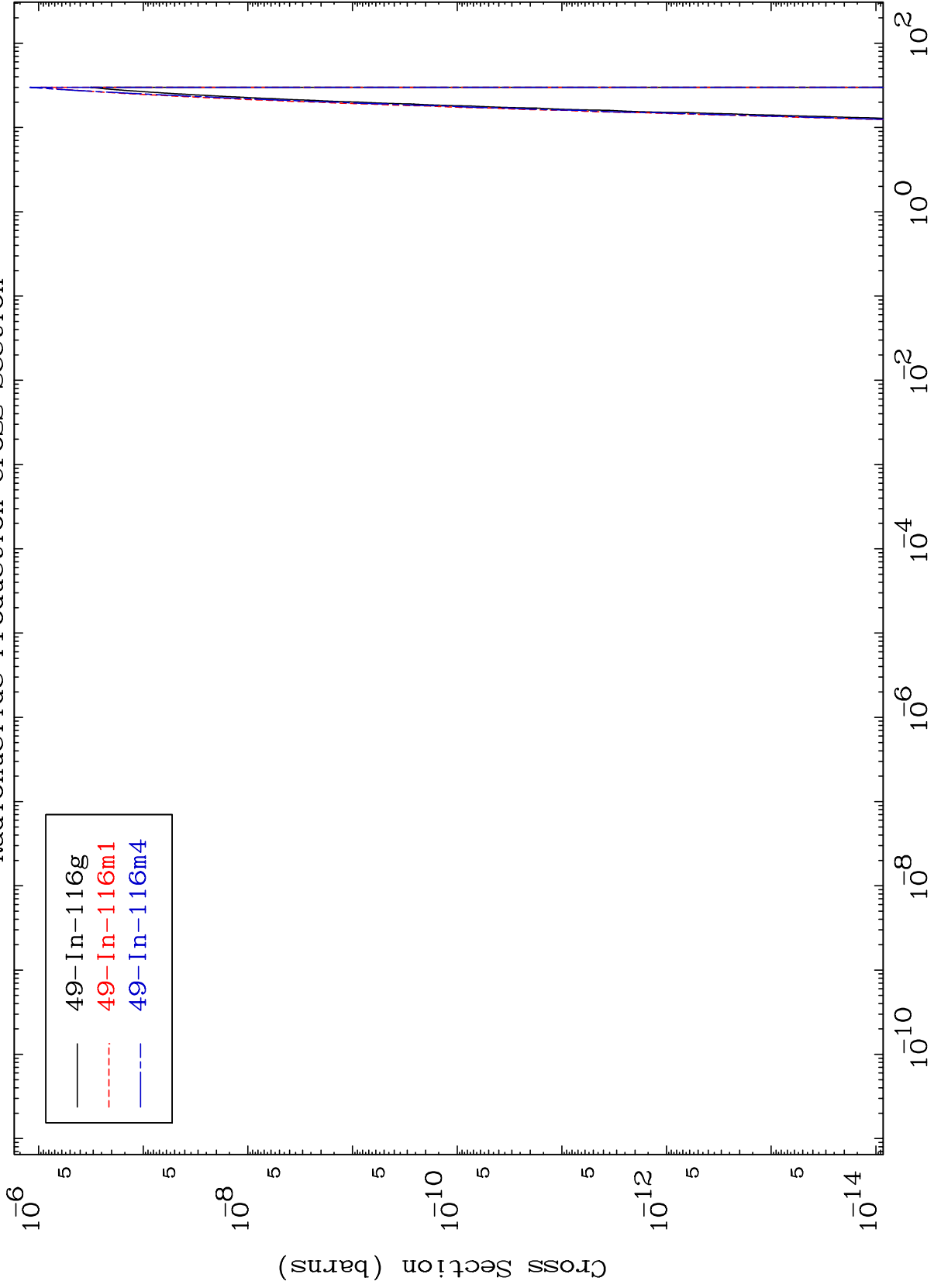


MAT 5313

(n,2α)

53-I -123

Radionuclide Production Cross Section



132

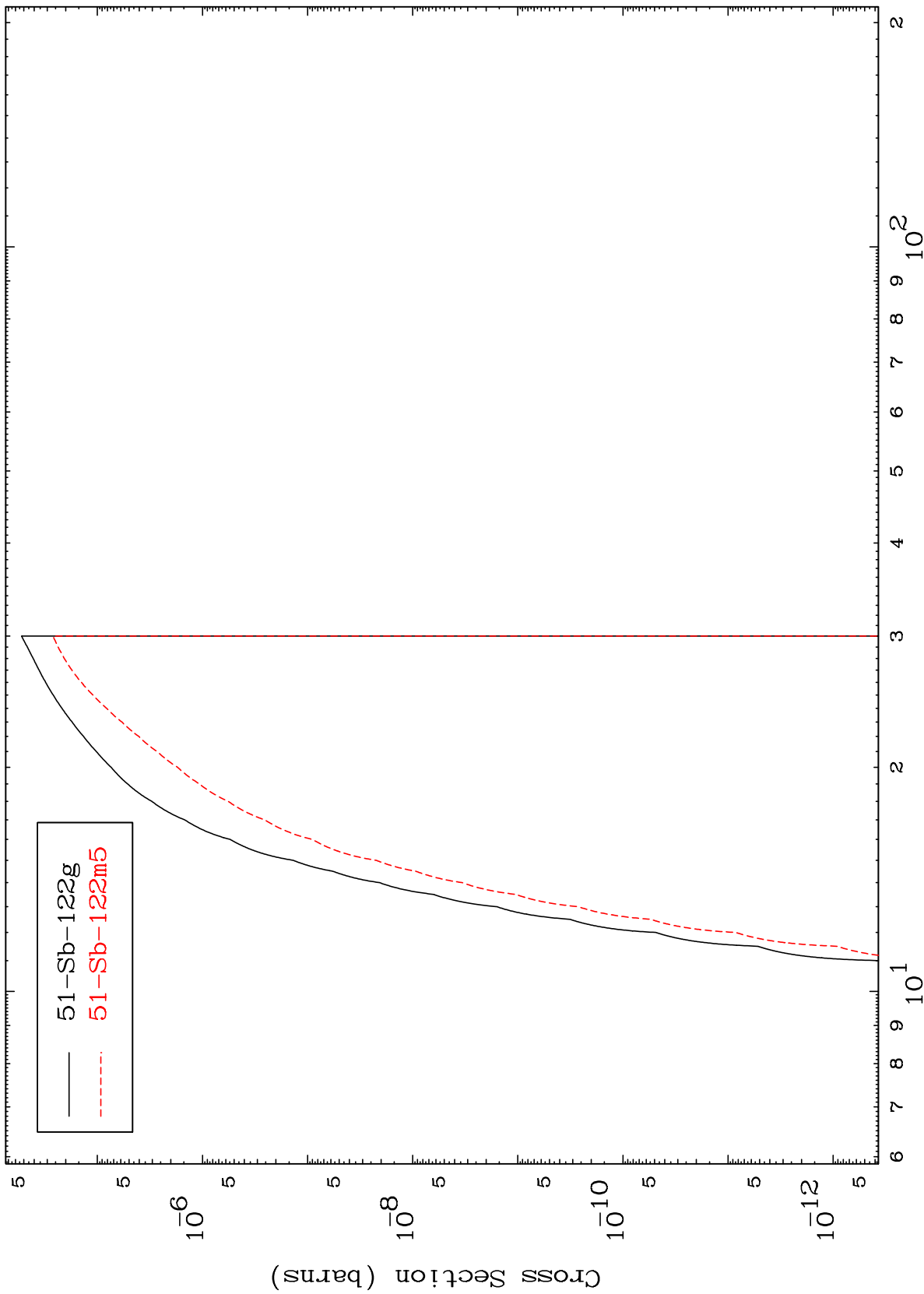
Incident Energy (MeV)

53-I -123

MAT 5313

53-I -123

(n,2p)
Radionuclide Production Cross Section



133

Incident Energy (MeV)

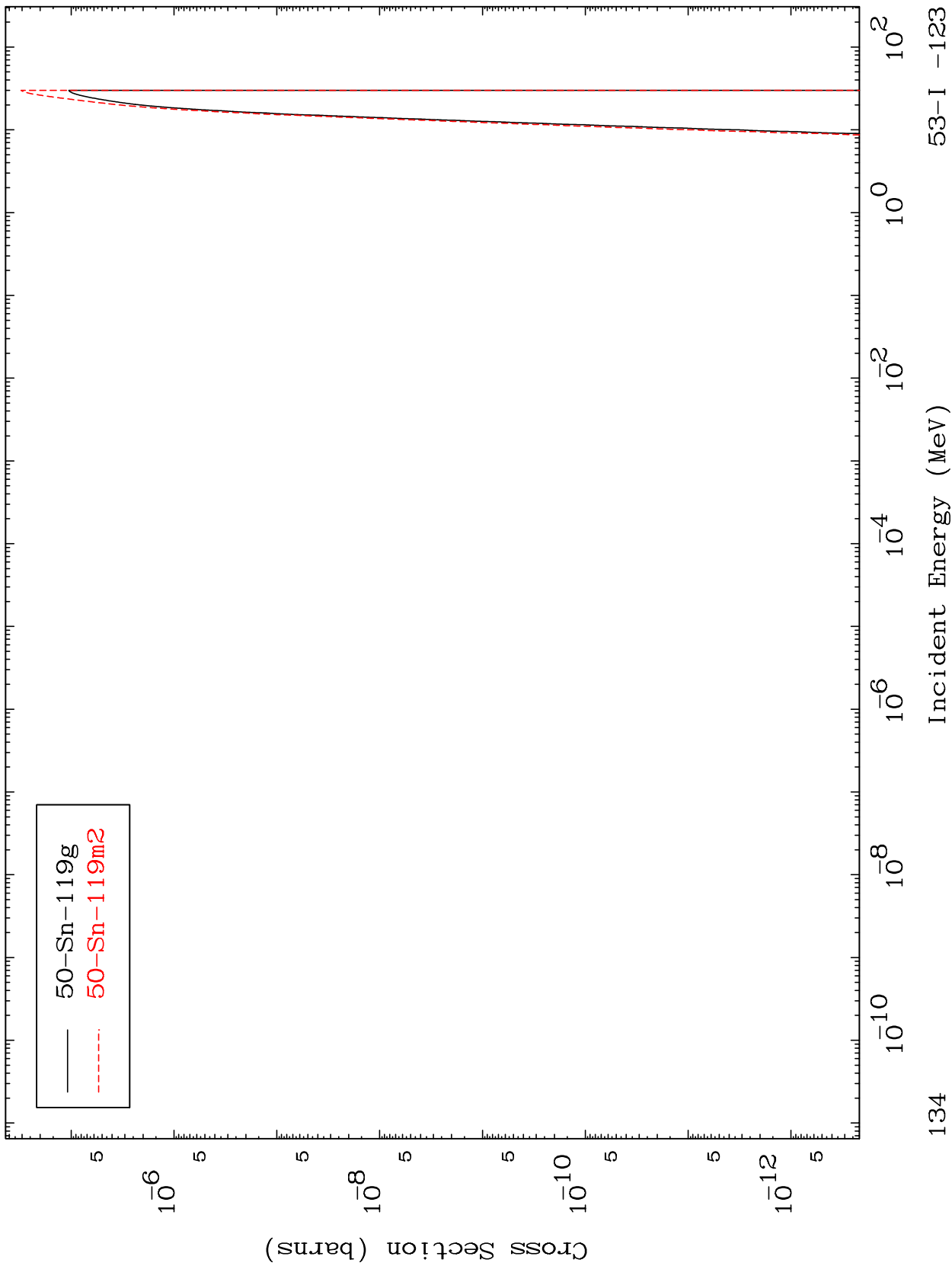
53-I -123

MAT 5313

(n,p) α

53-I -123

Radionuclide Production Cross Section



Radionuclide Production Cross Section

