

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

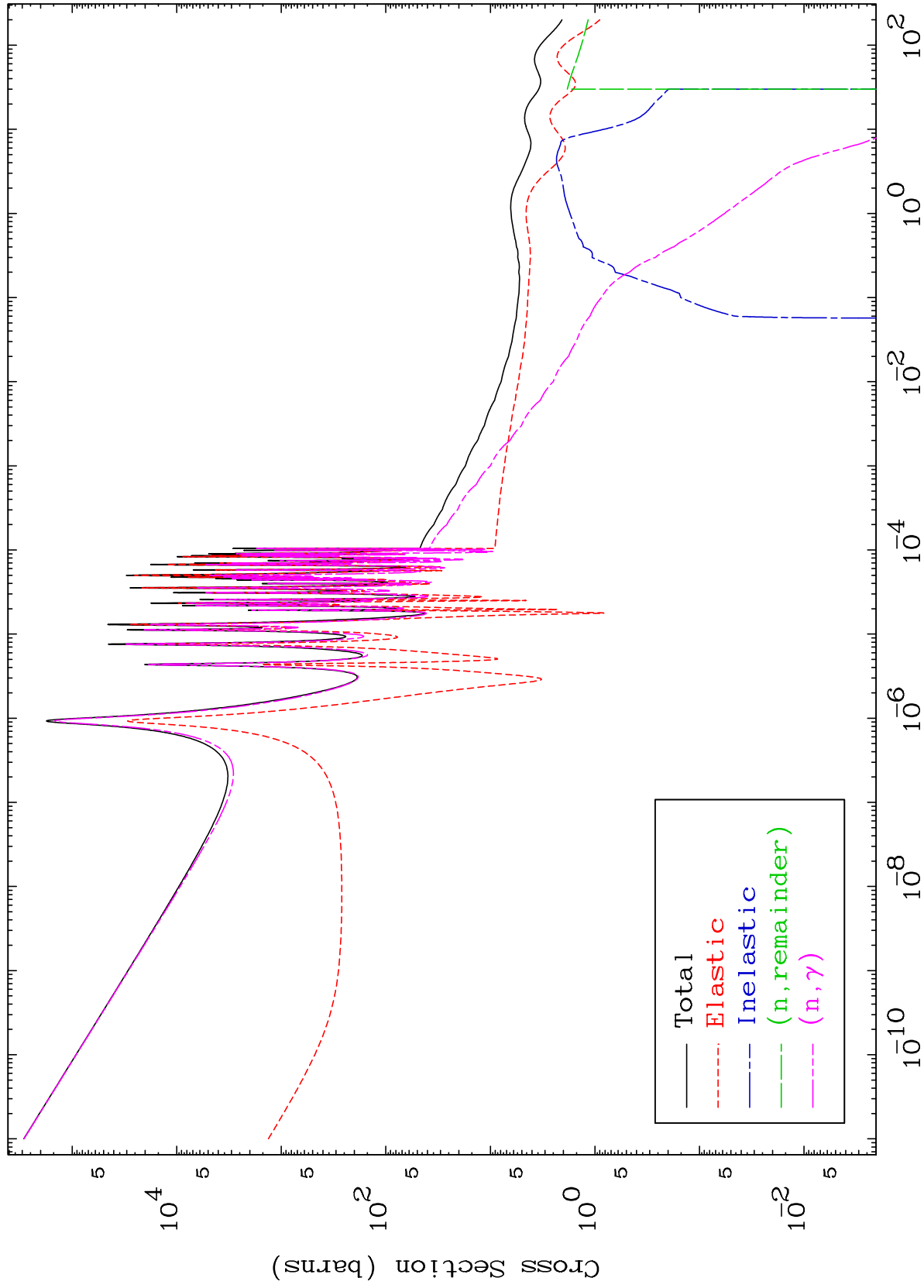
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

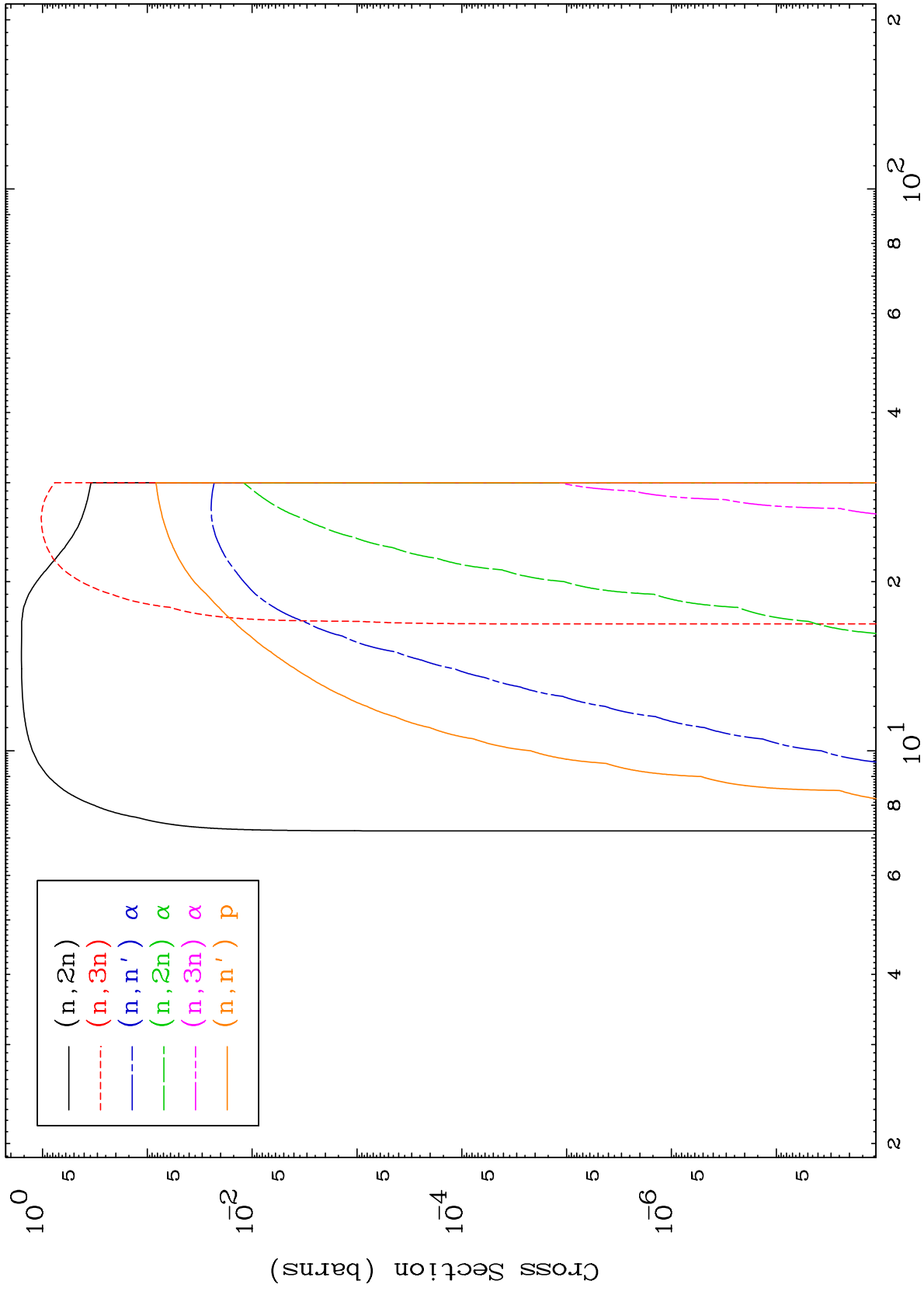
U.S.A.

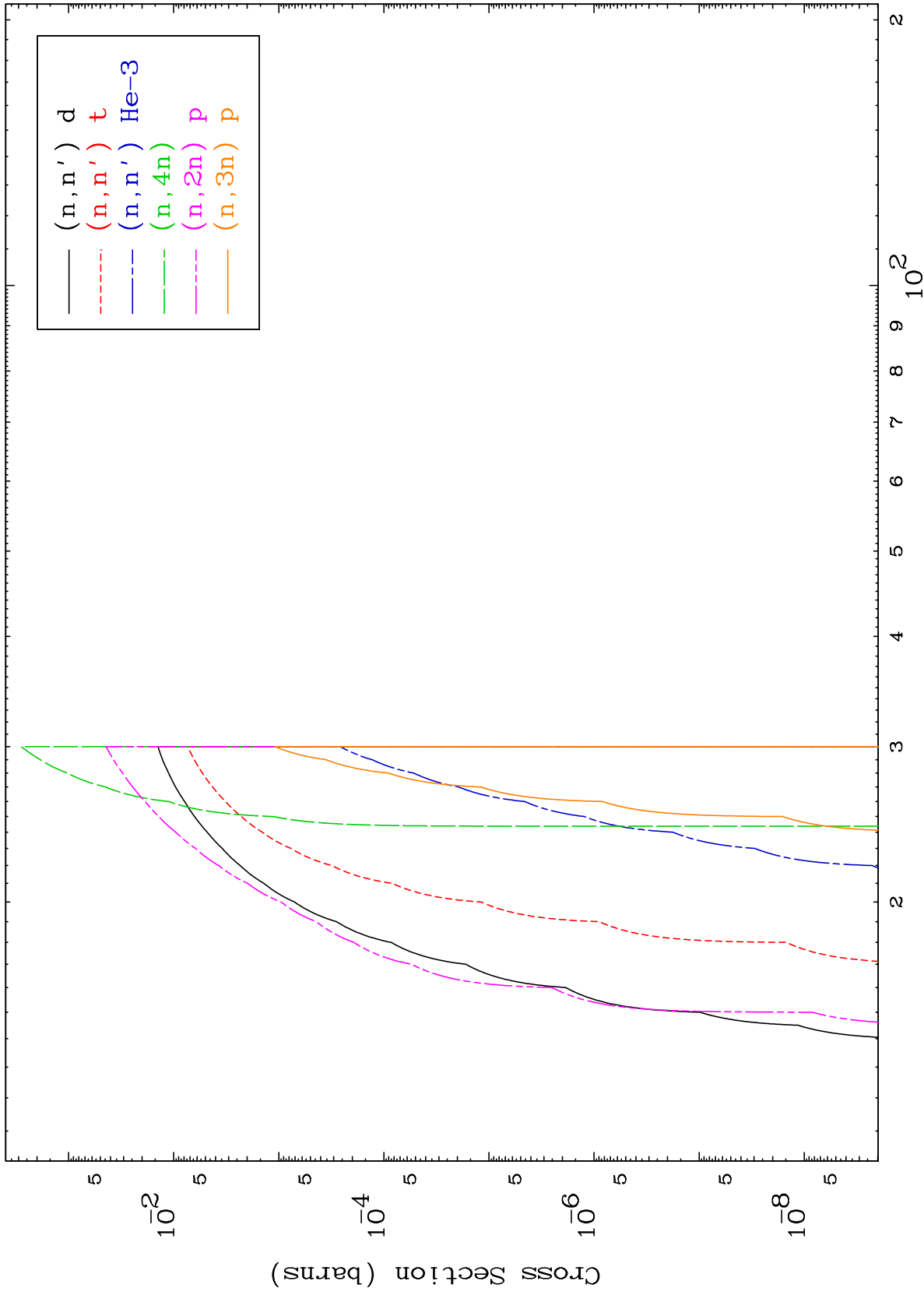
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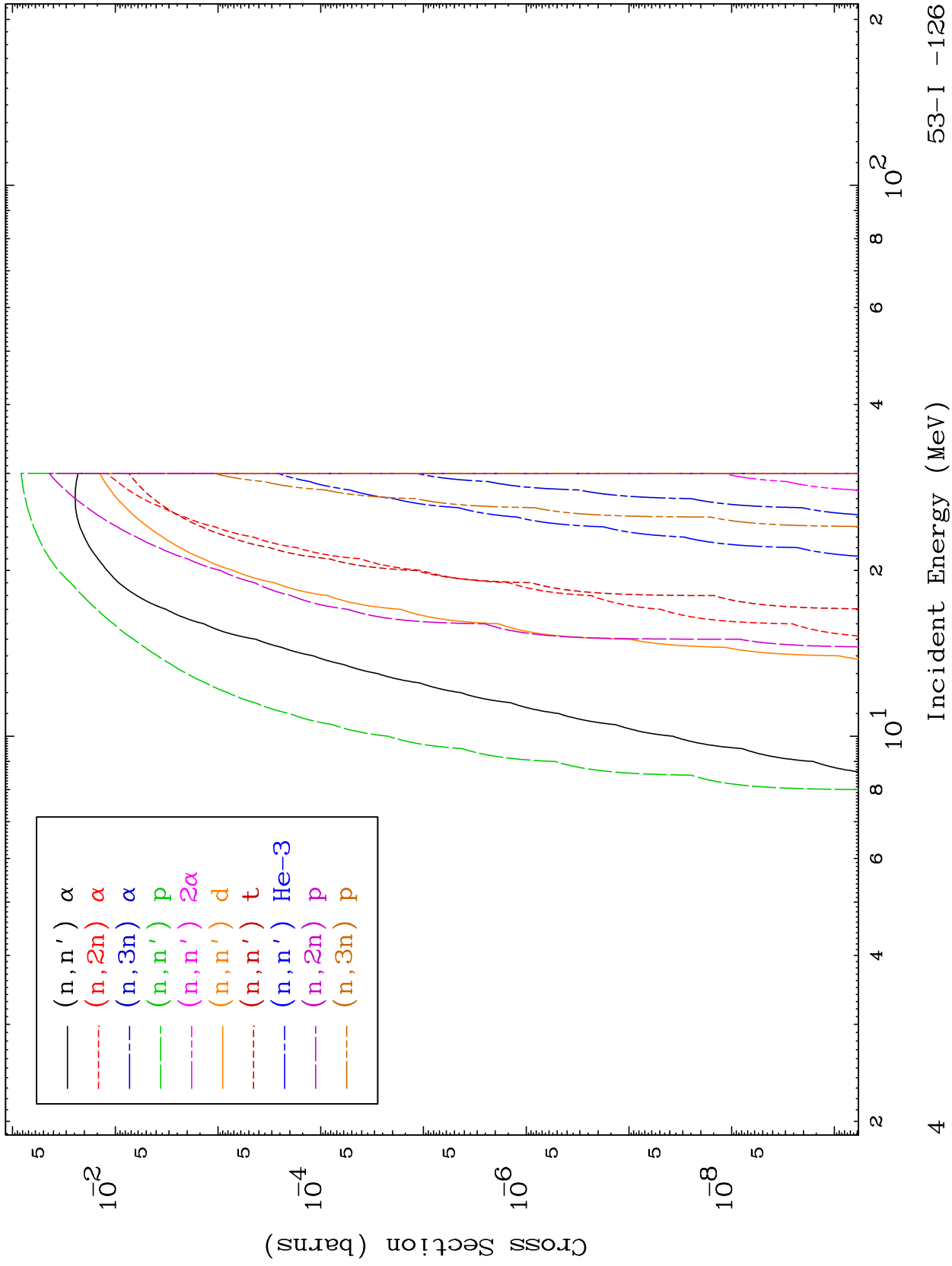
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Web:redcullen1.net/HOMEPAGE.NEW

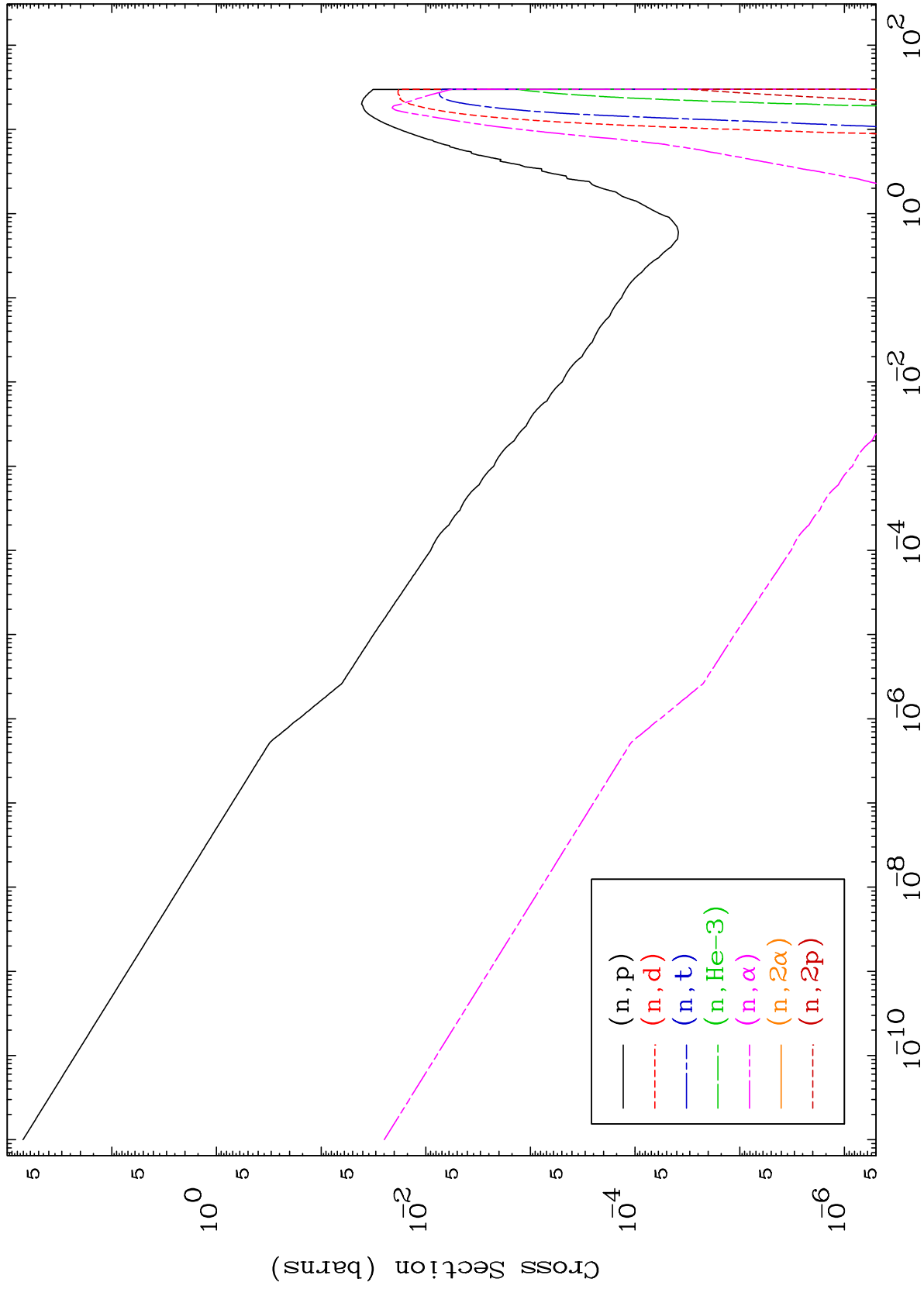
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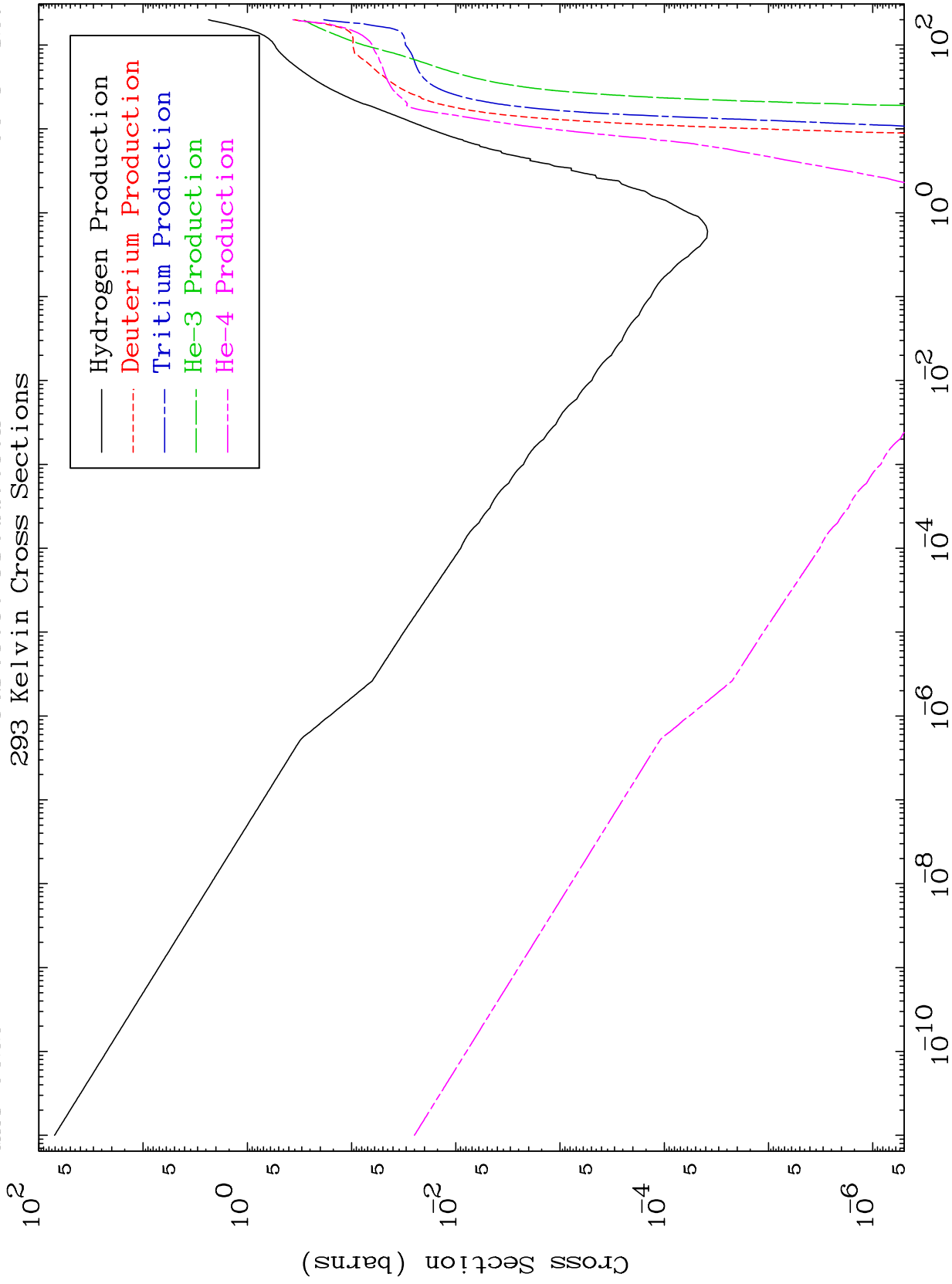


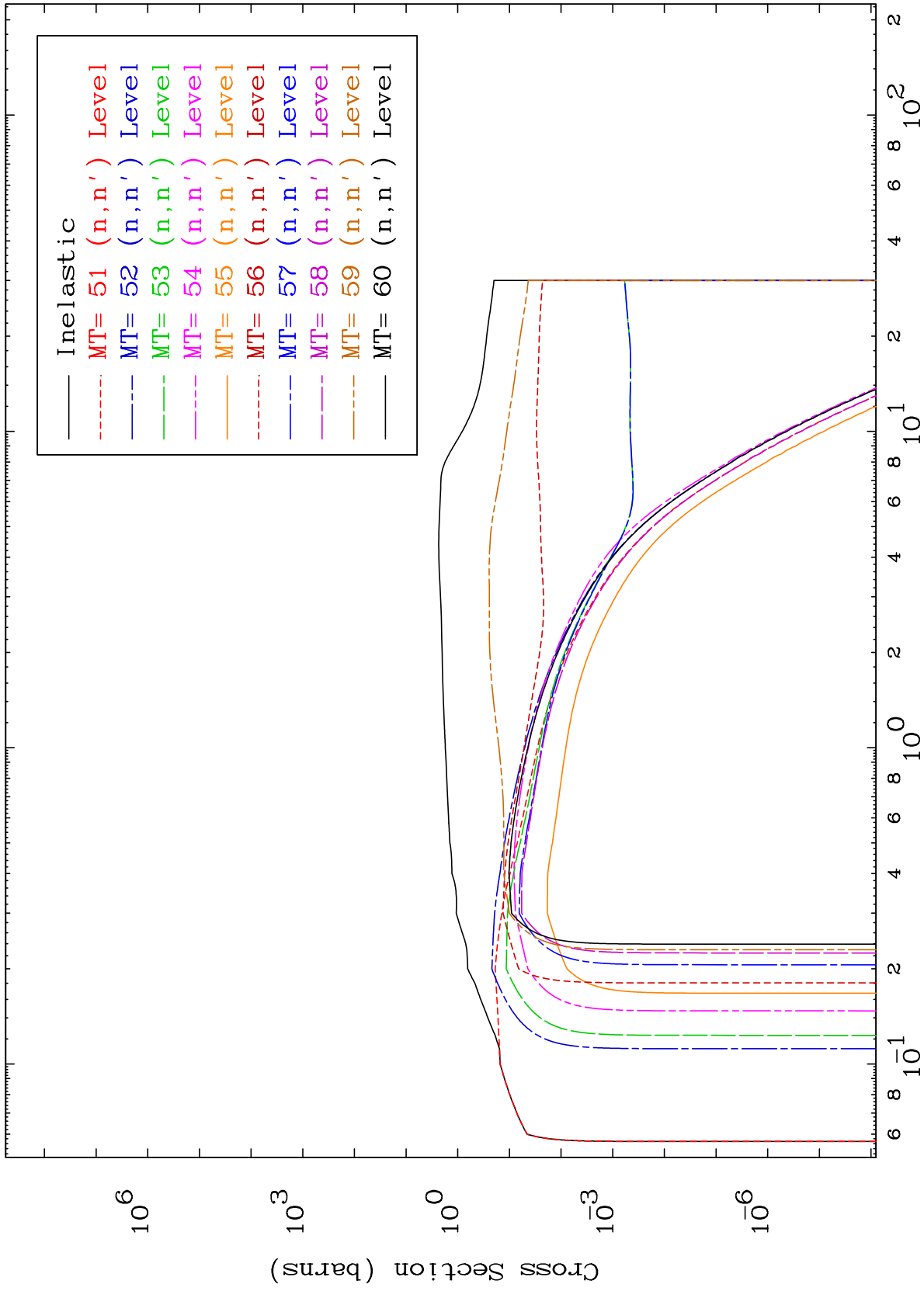


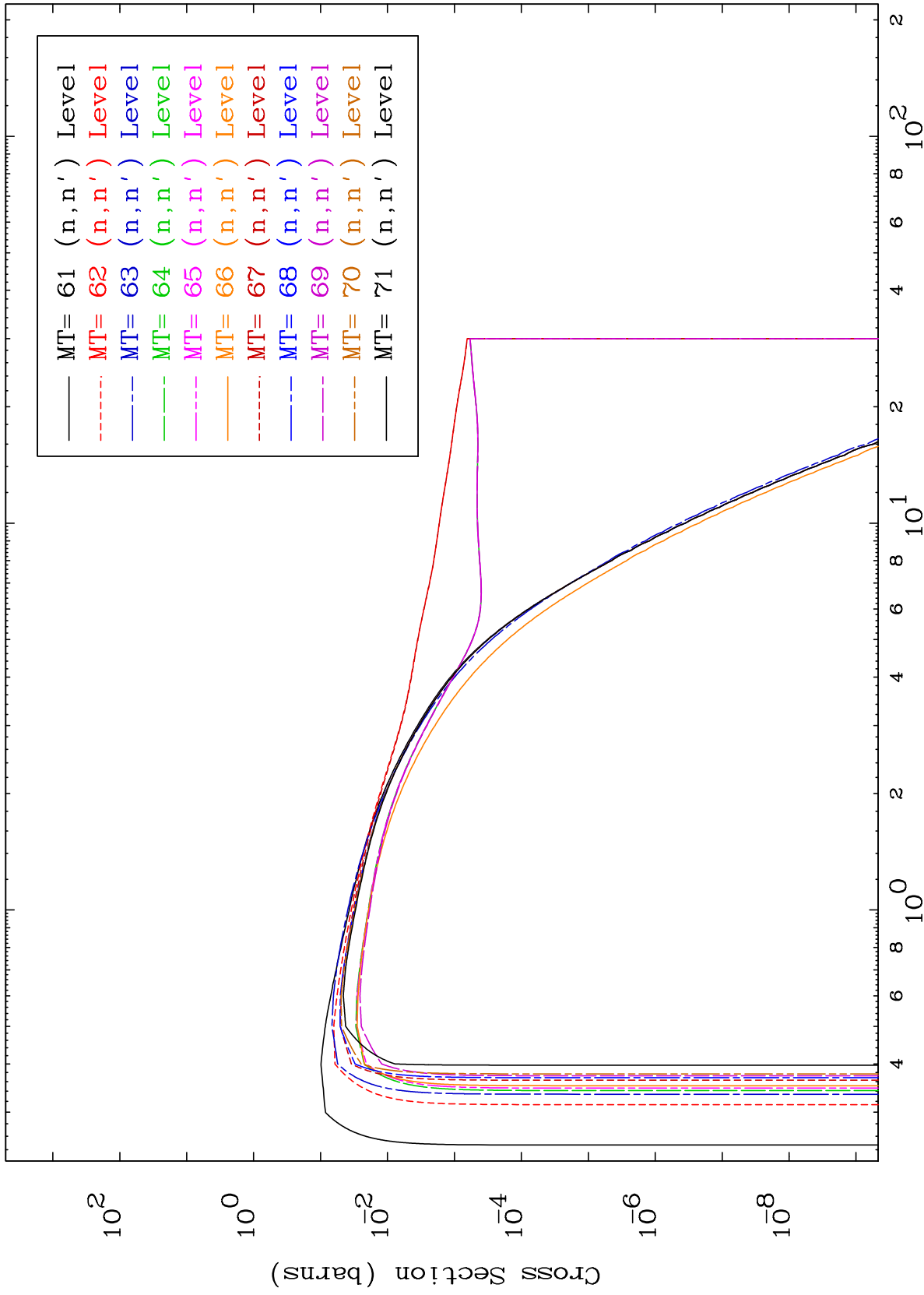


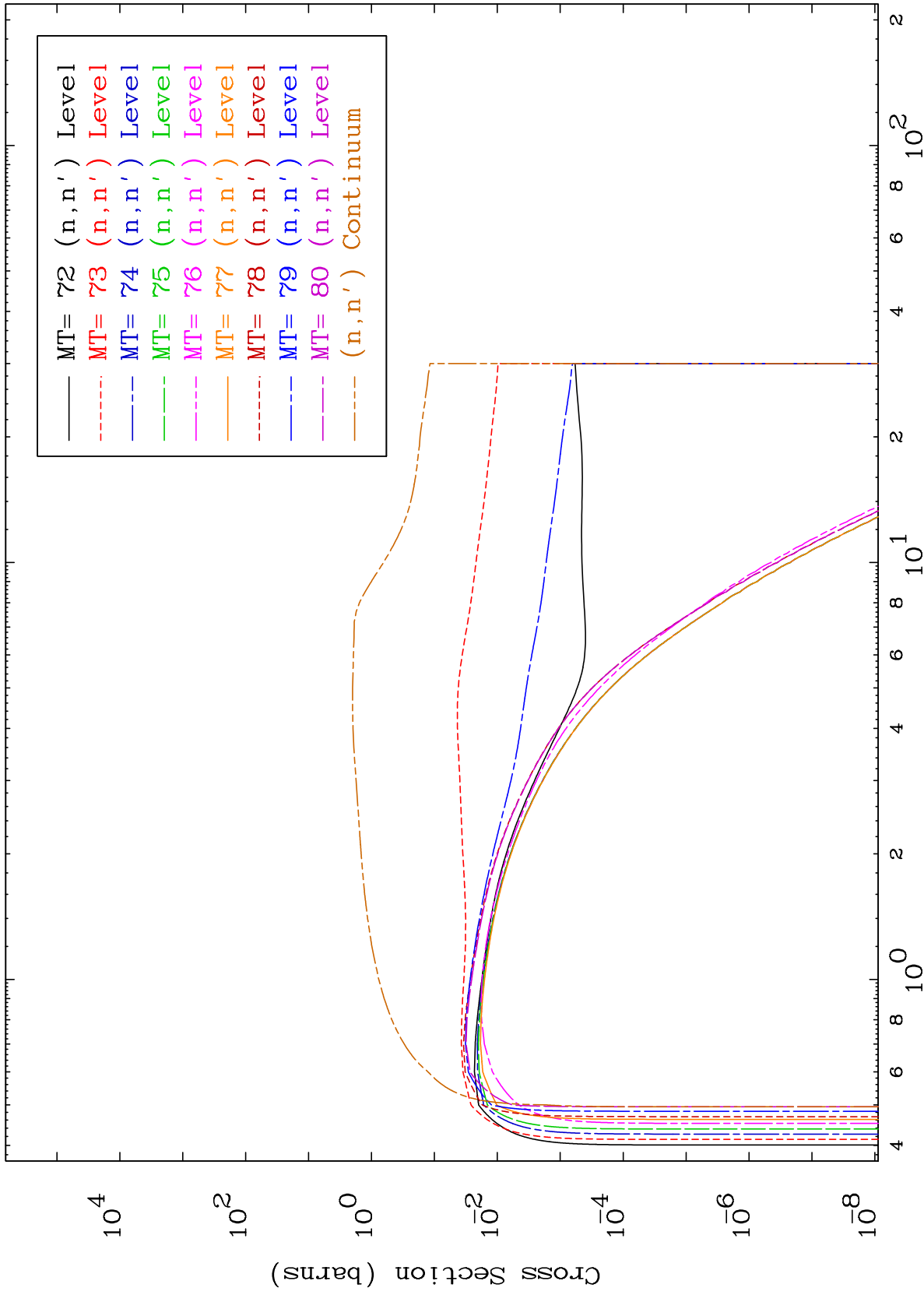








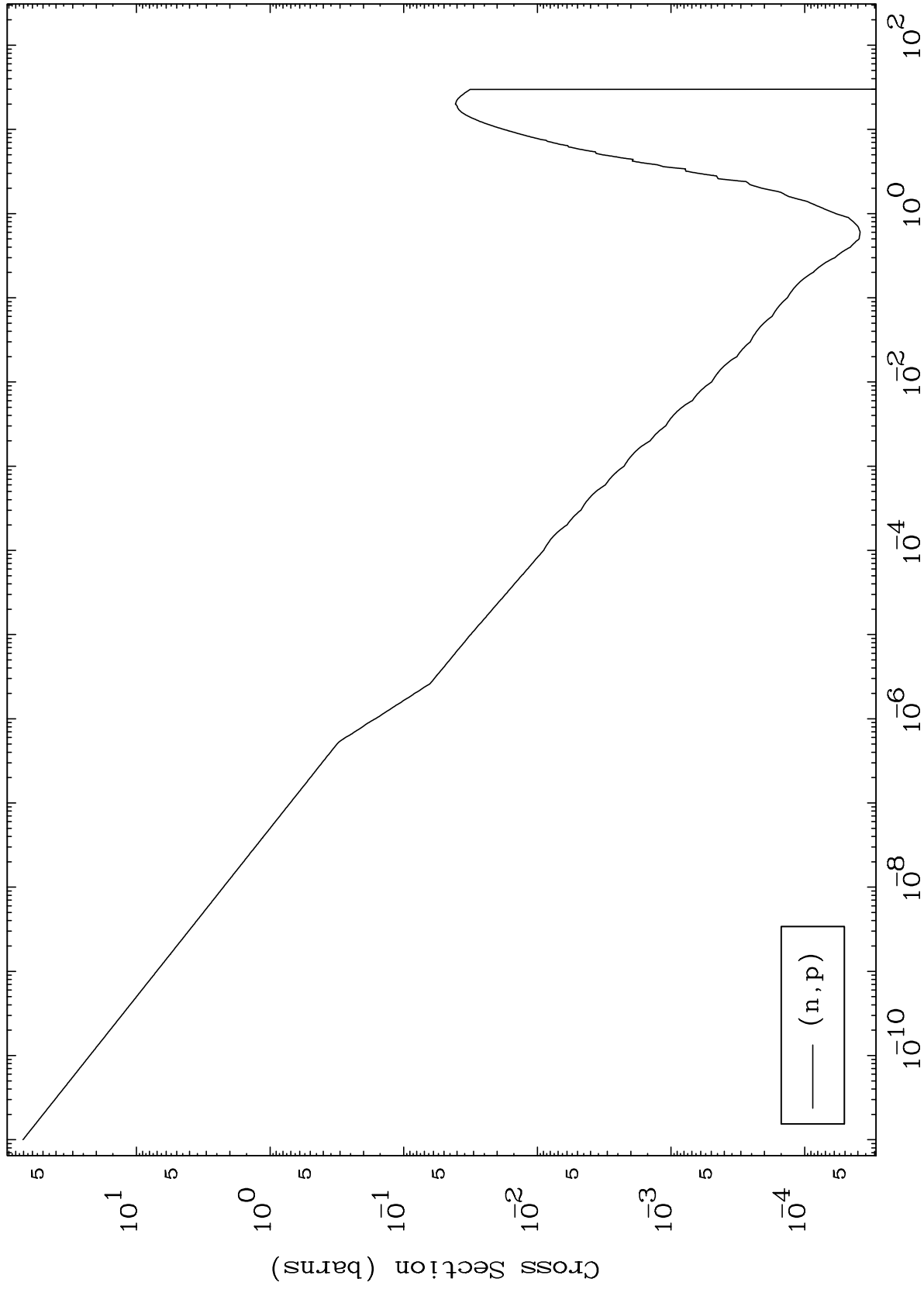




MAT 5322

(n,p) Levels
293 Kelvin Cross Sections

53-I -126

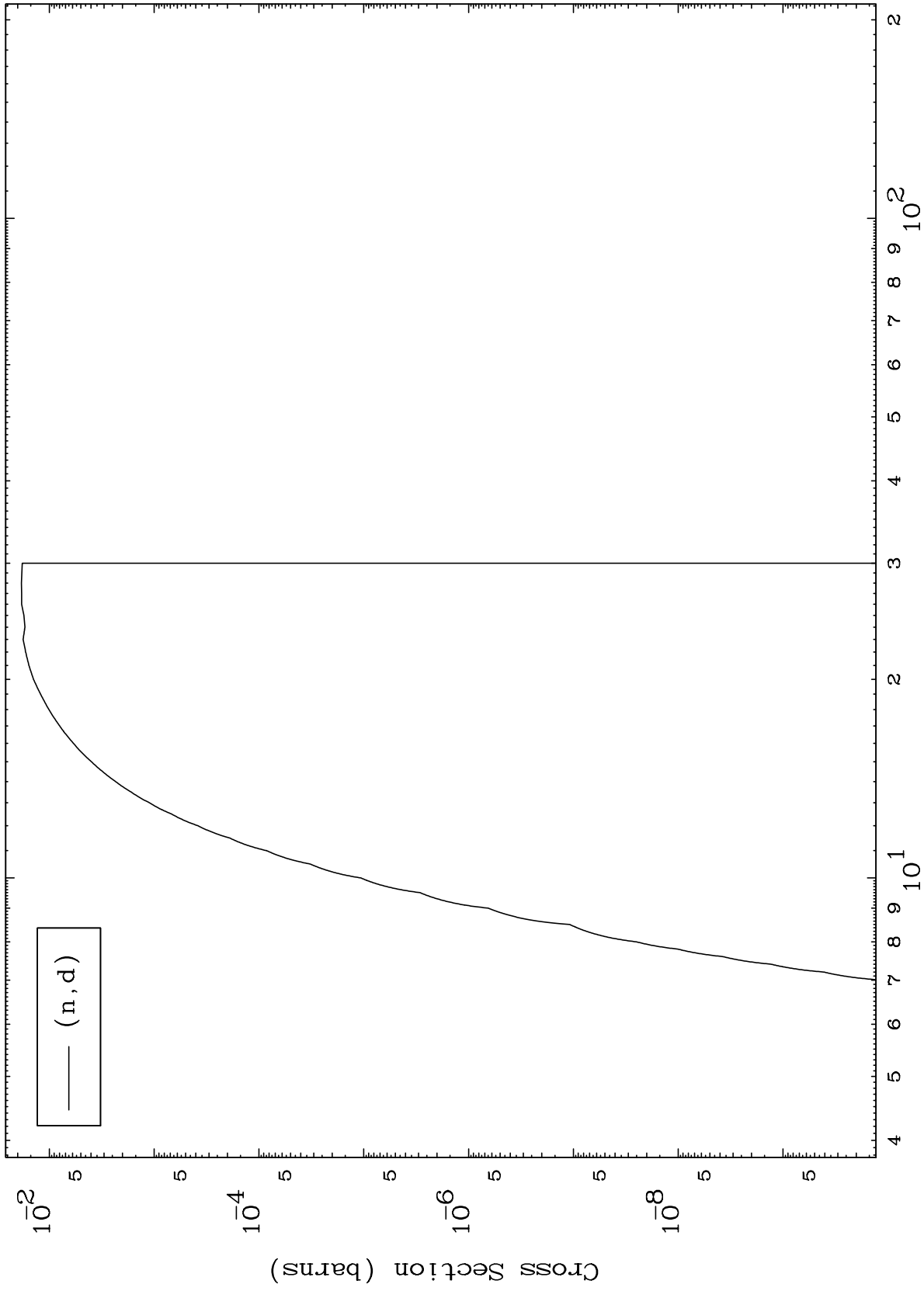


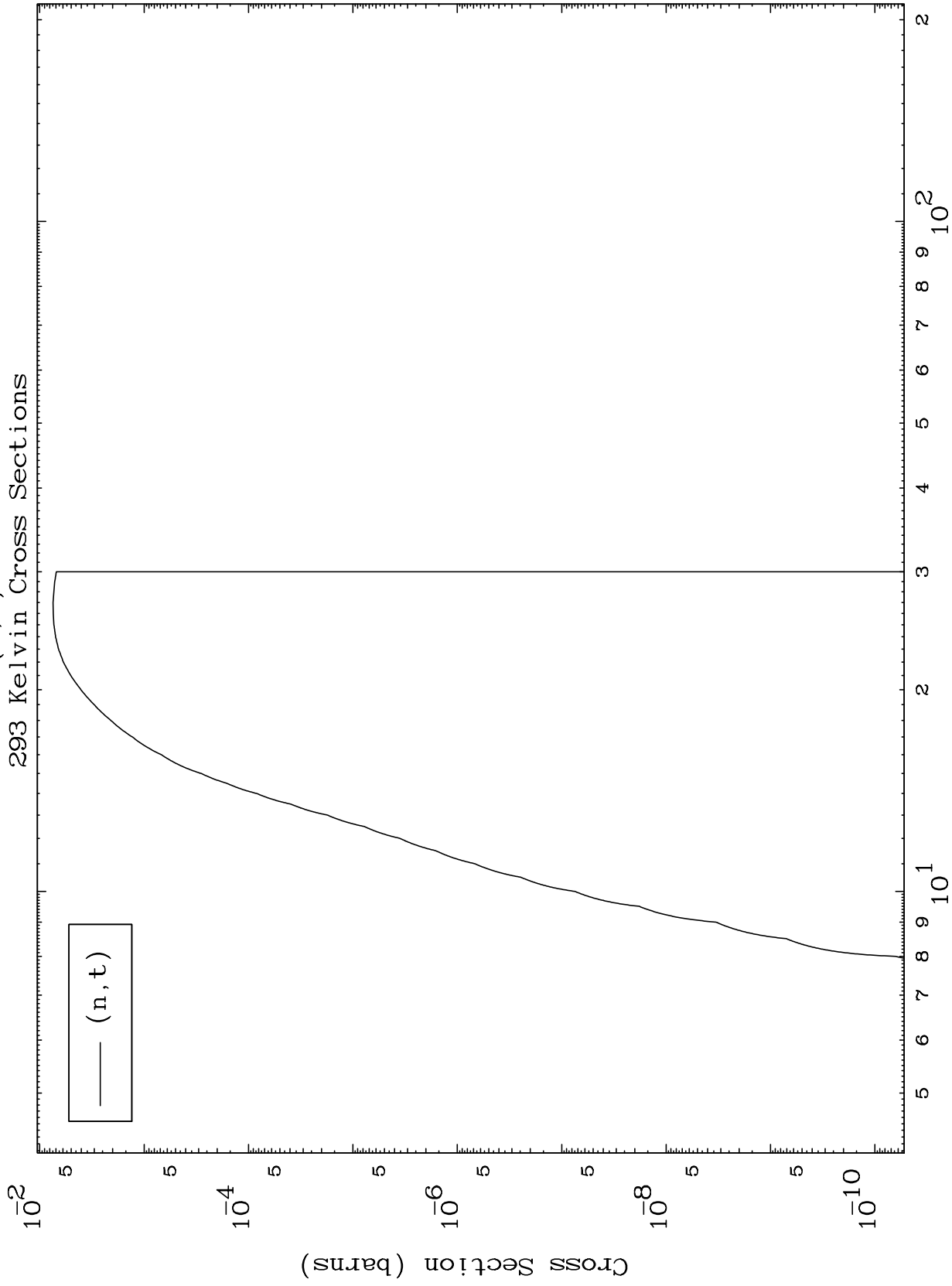
10

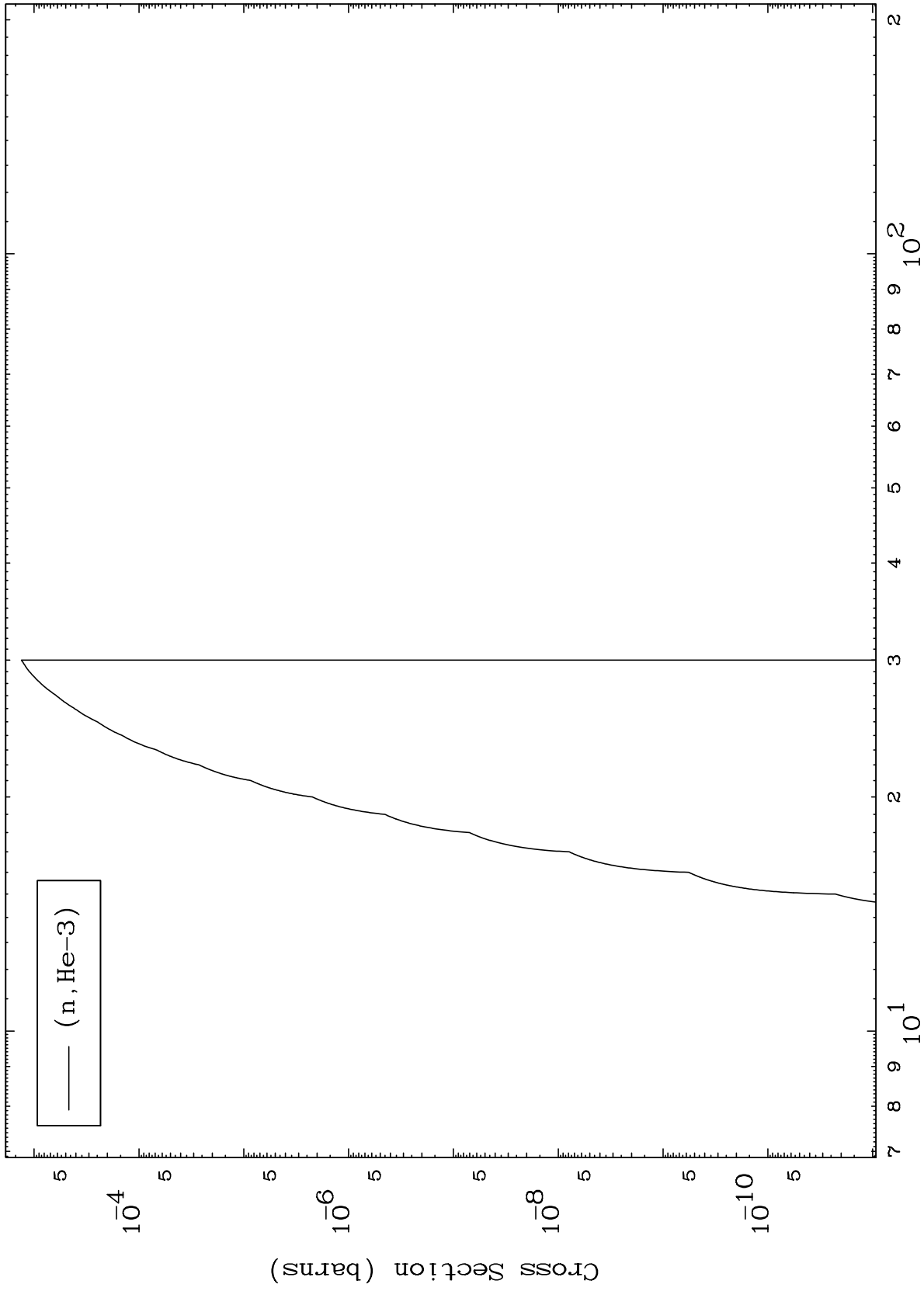
Incident Energy (MeV)

53-I -126

— (n,p)



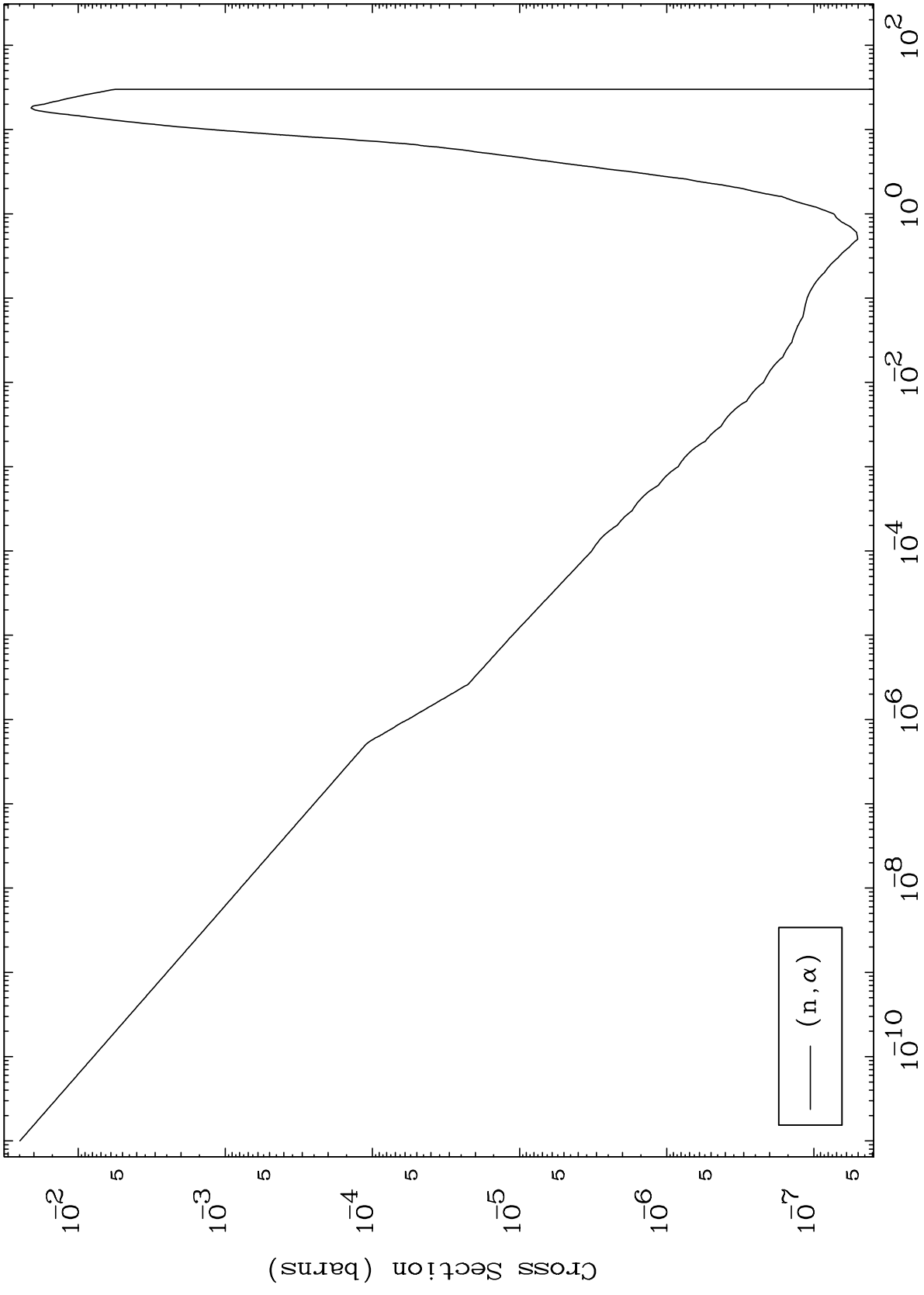




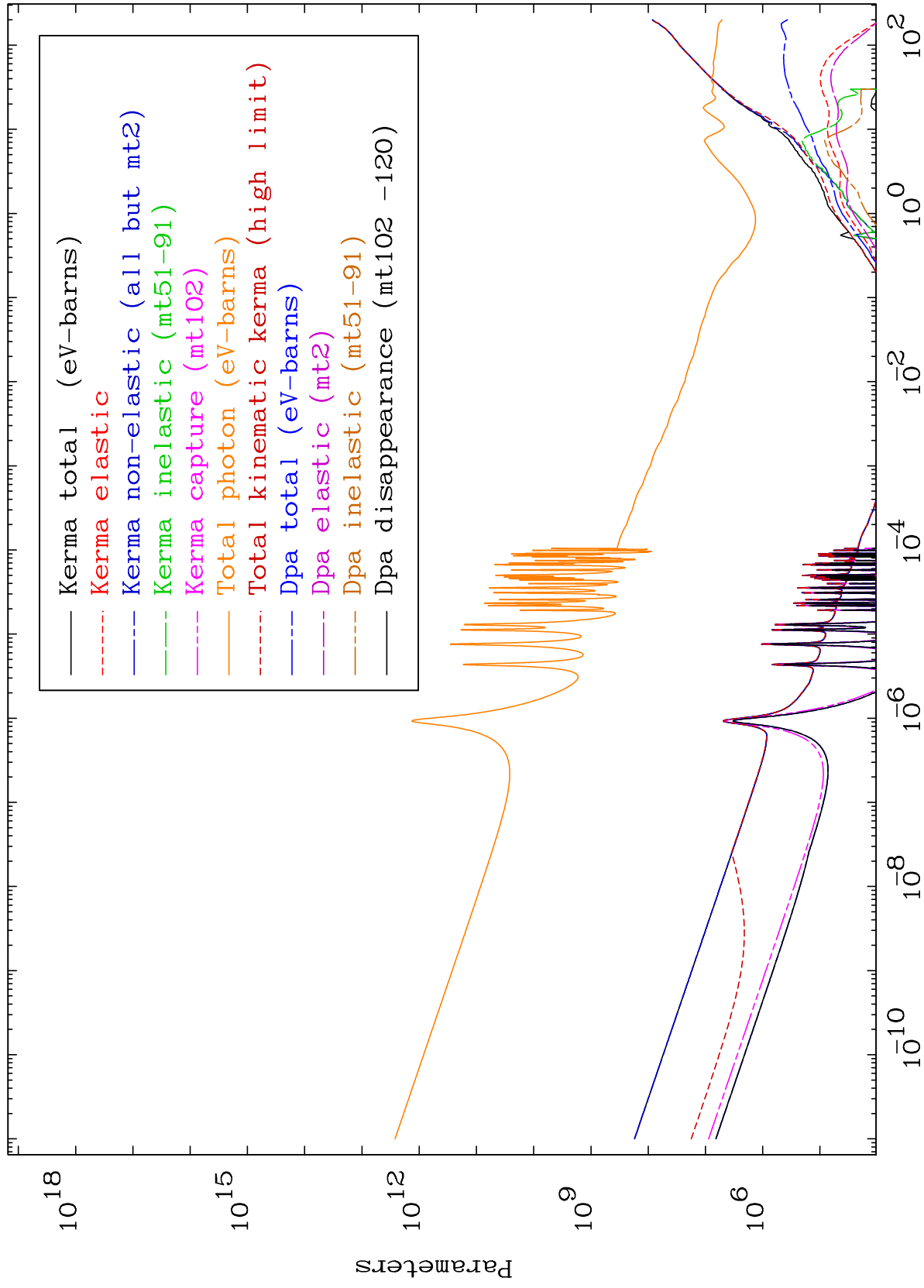
MAT 5322

(n, α) Levels
293 Kelvin Cross Sections

53-I -126



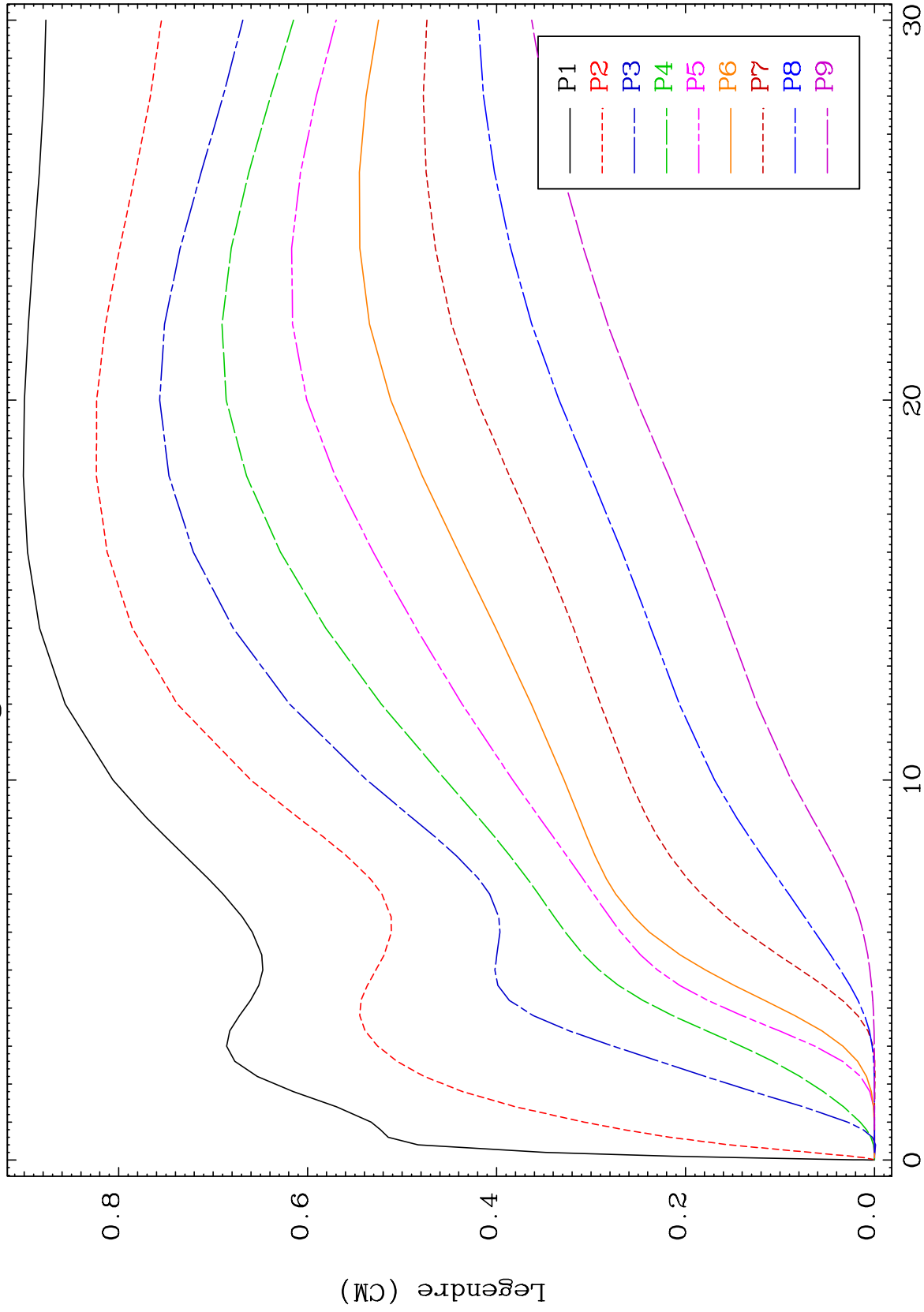
53-I -126



MAT 5322

Elastic Legendre Coefficients

53-I -126



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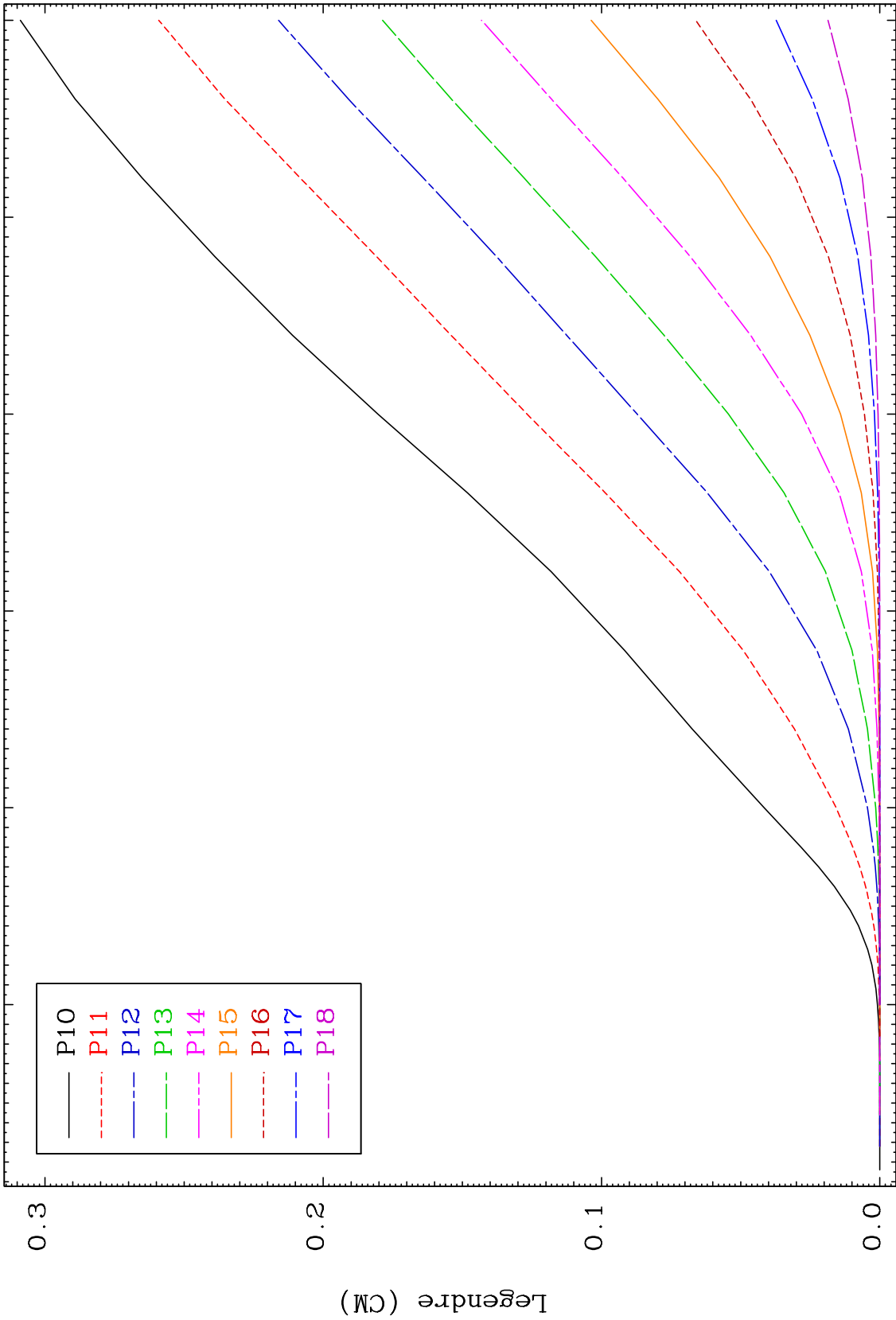
Incident Energy (MeV)

53-I -126

MAT 5322

Elastic Legendre Coefficients

53-I -126



17

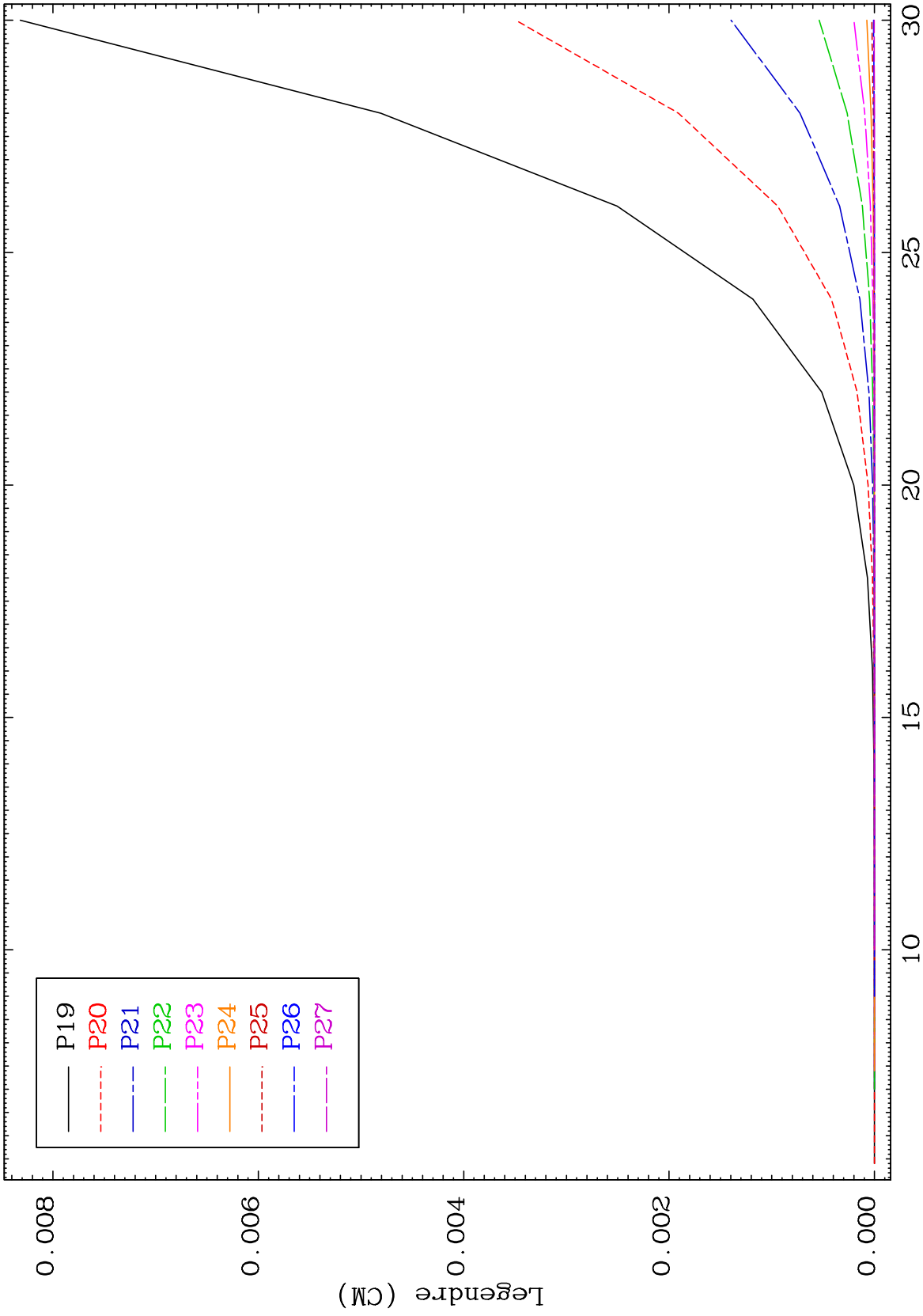
Incident Energy (MeV)

53-I -126

MAT 5322

Elastic Legendre Coefficients

53-I -126



18

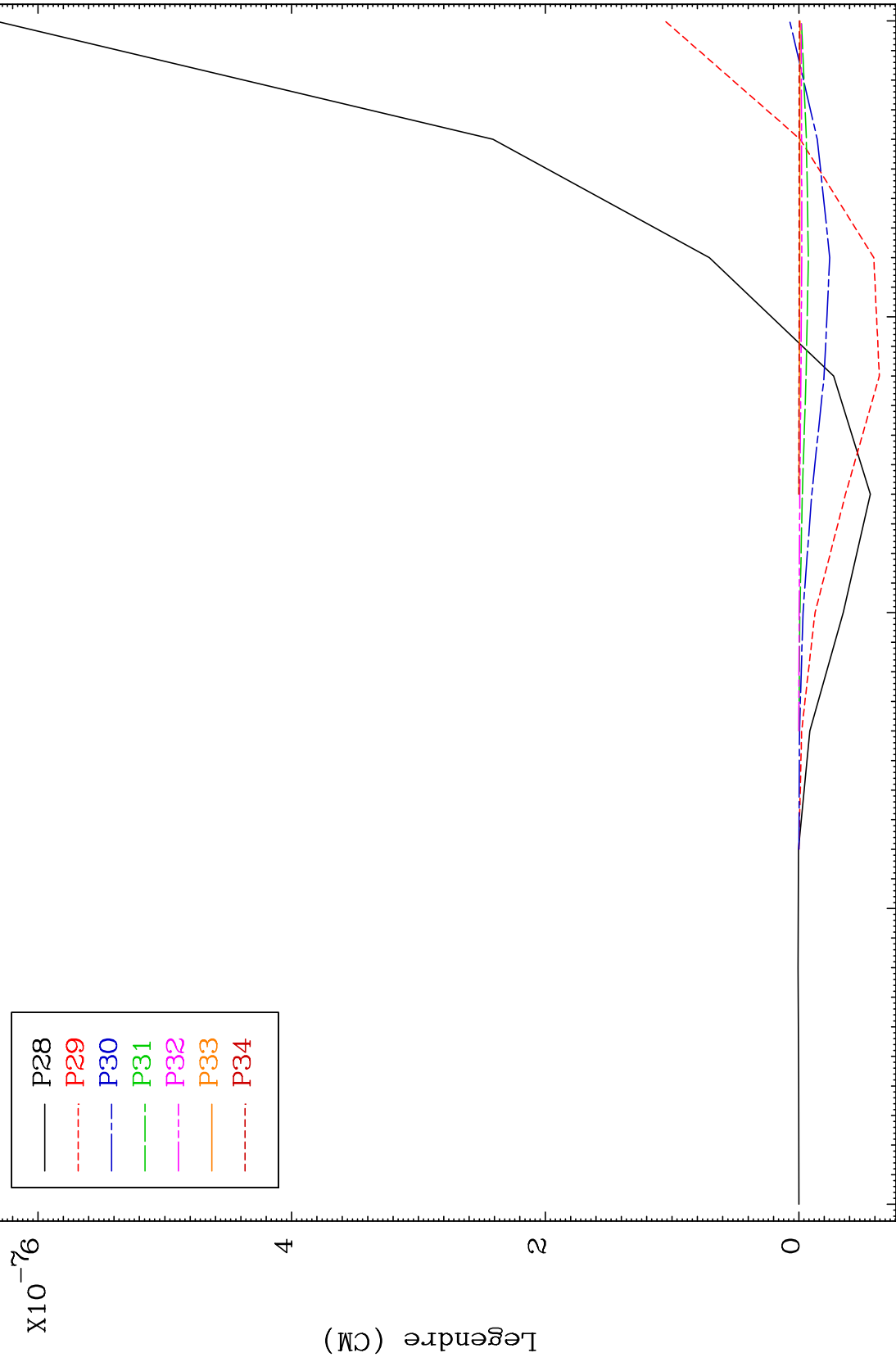
Incident Energy (MeV)

53-I -126

MAT 5322

Elastic Legendre Coefficients

53-I -126



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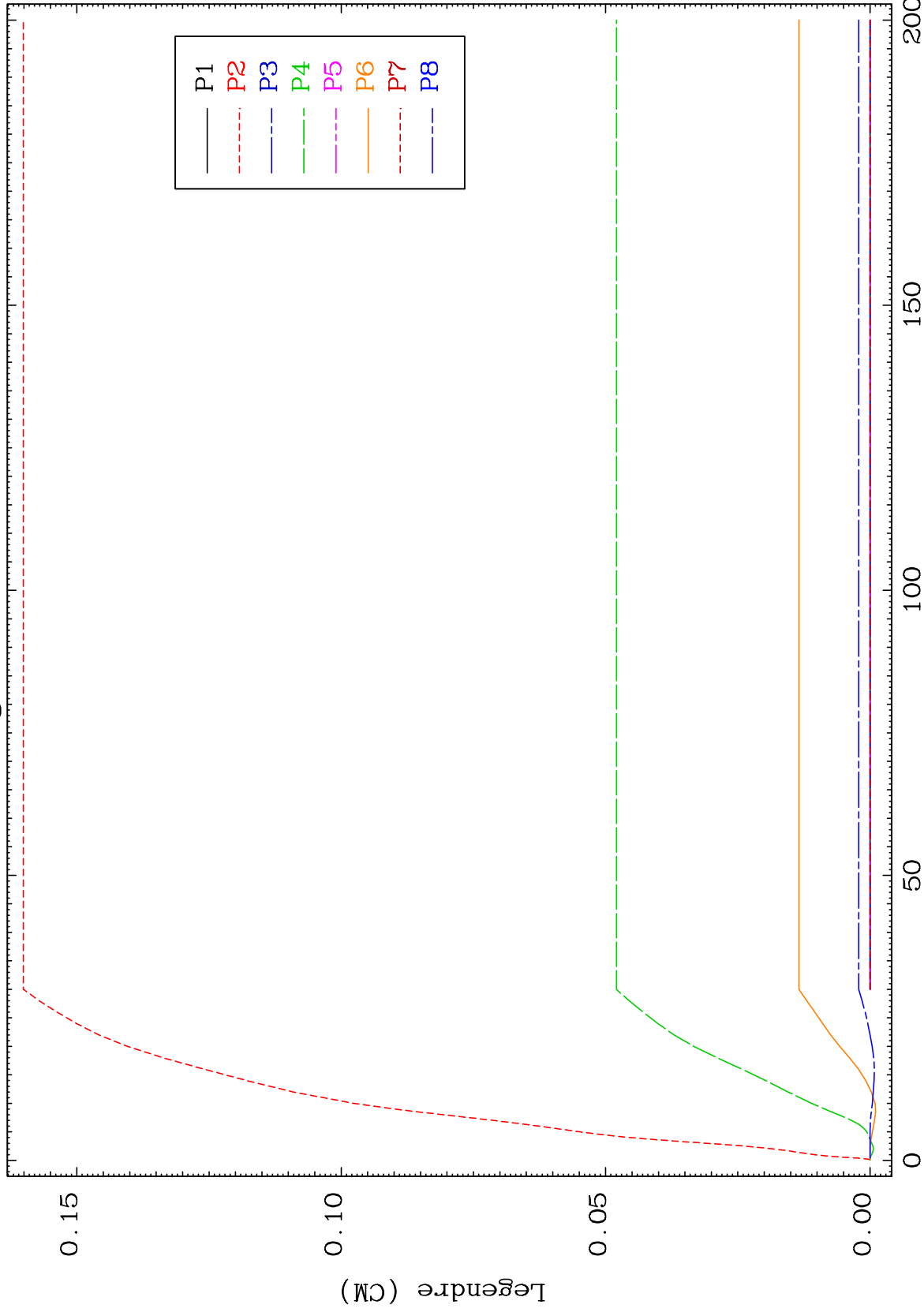
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



53-I -126

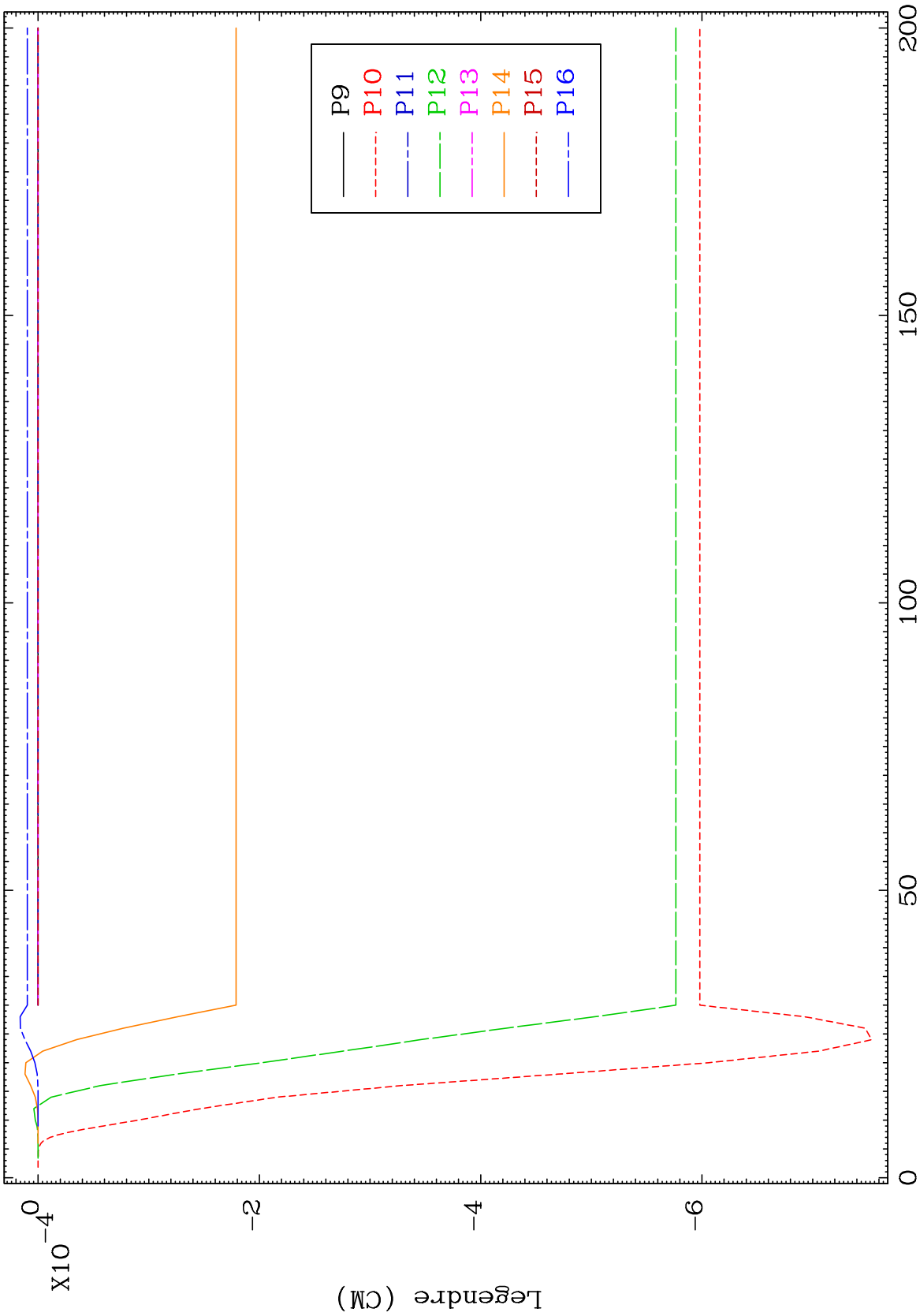
Incident Energy (MeV)

20

MAT 5322

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

53-I -126



21

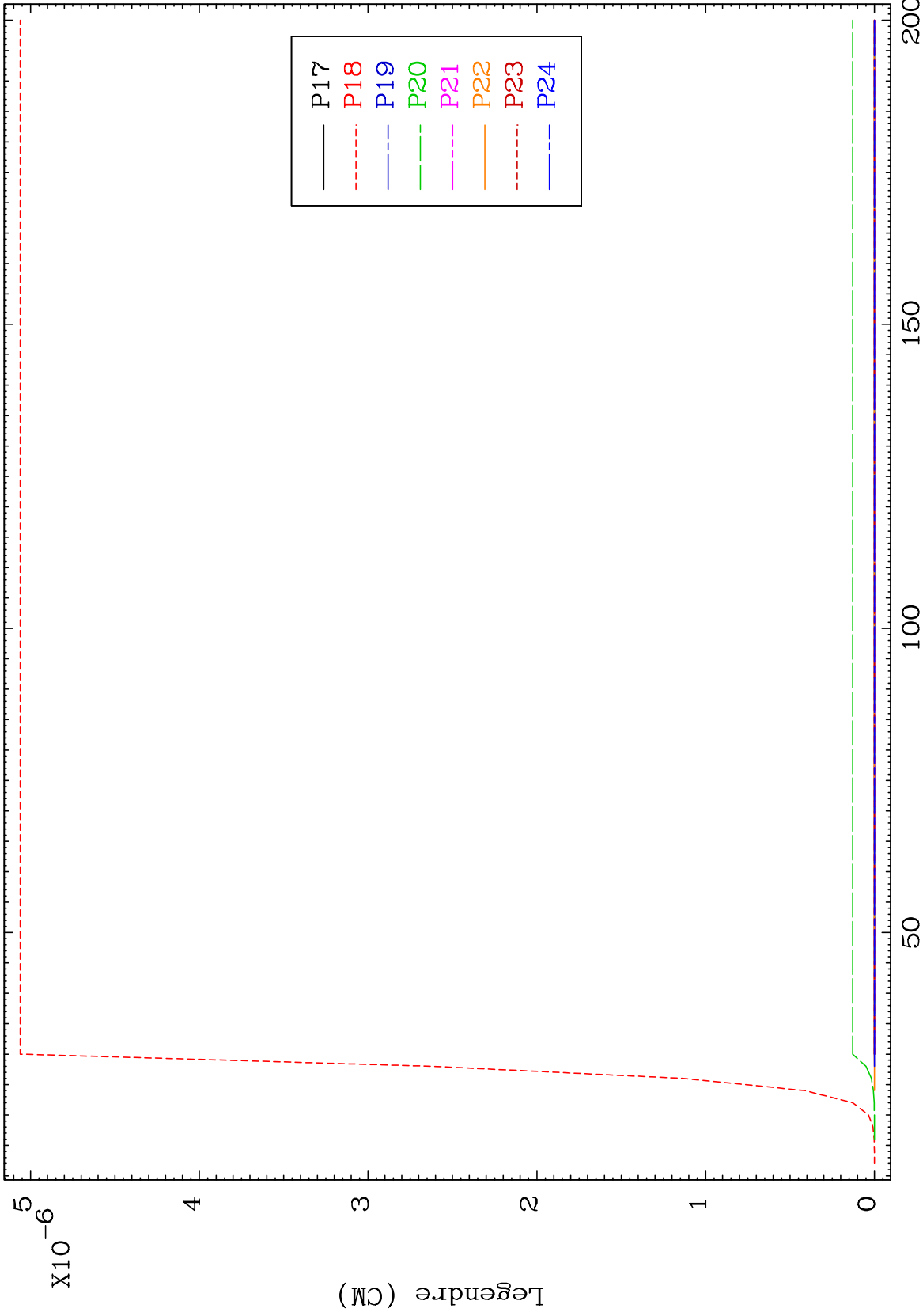
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



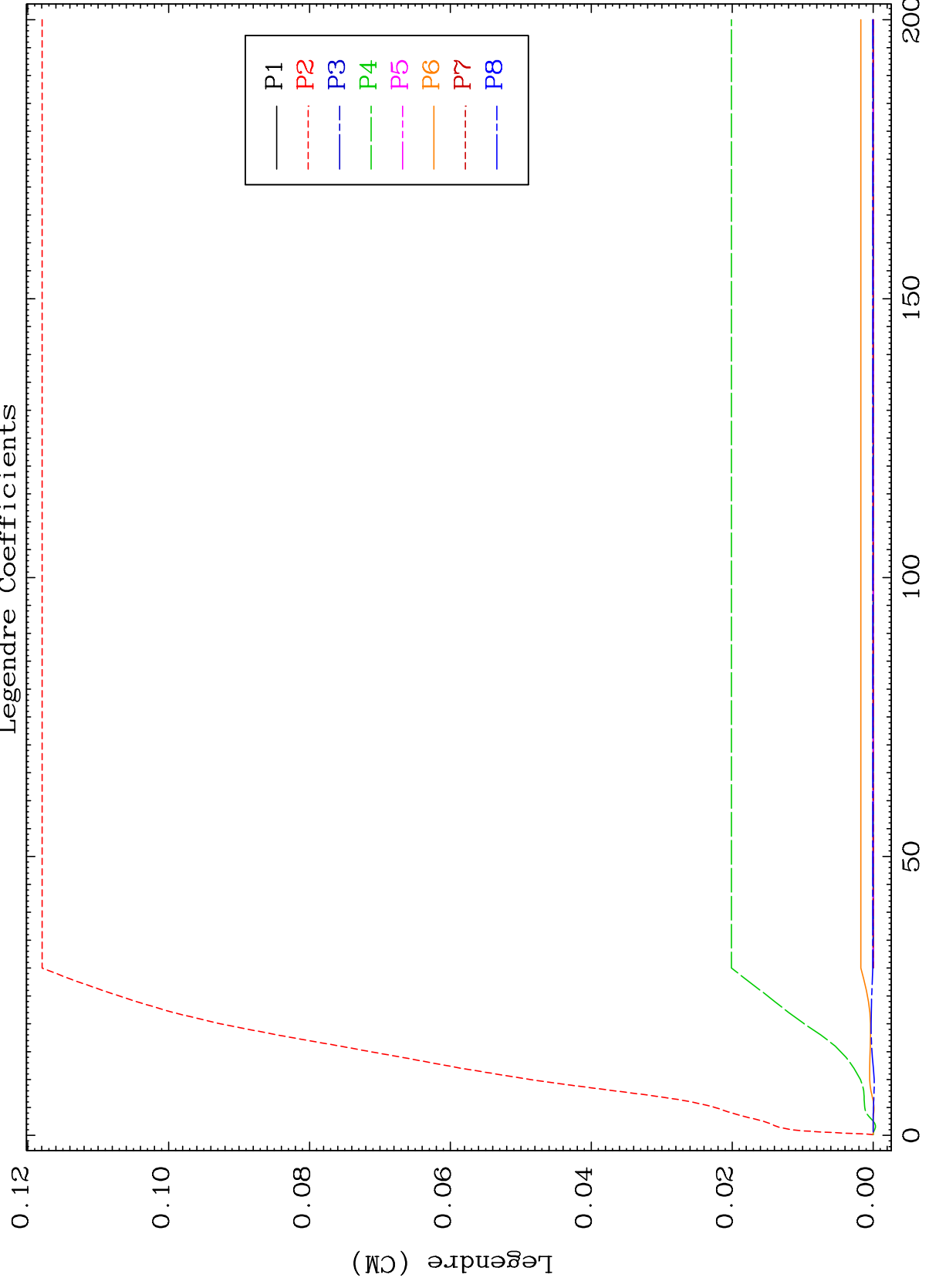
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53-I -126

MAT 5322

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

53-I -126



23

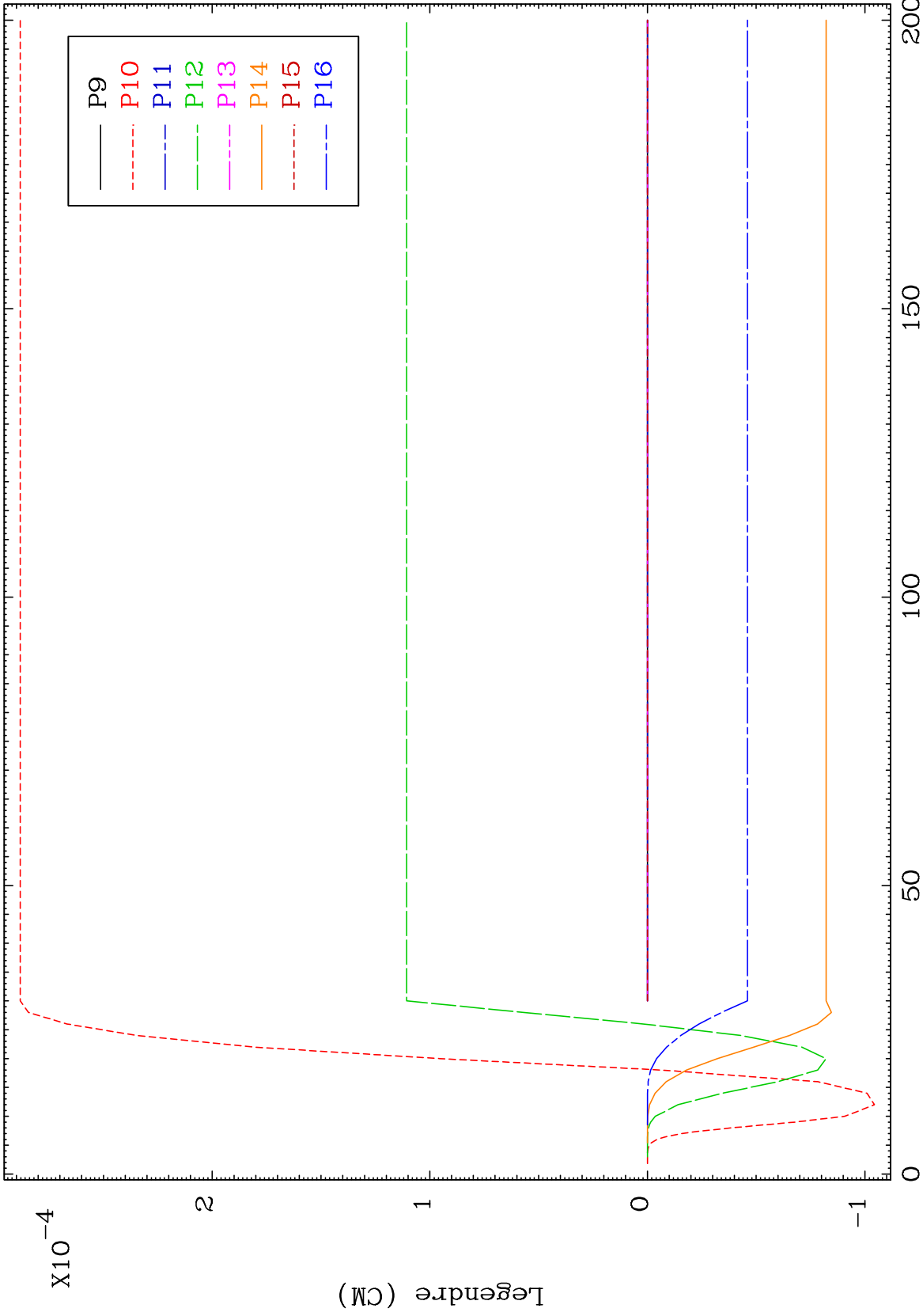
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



24

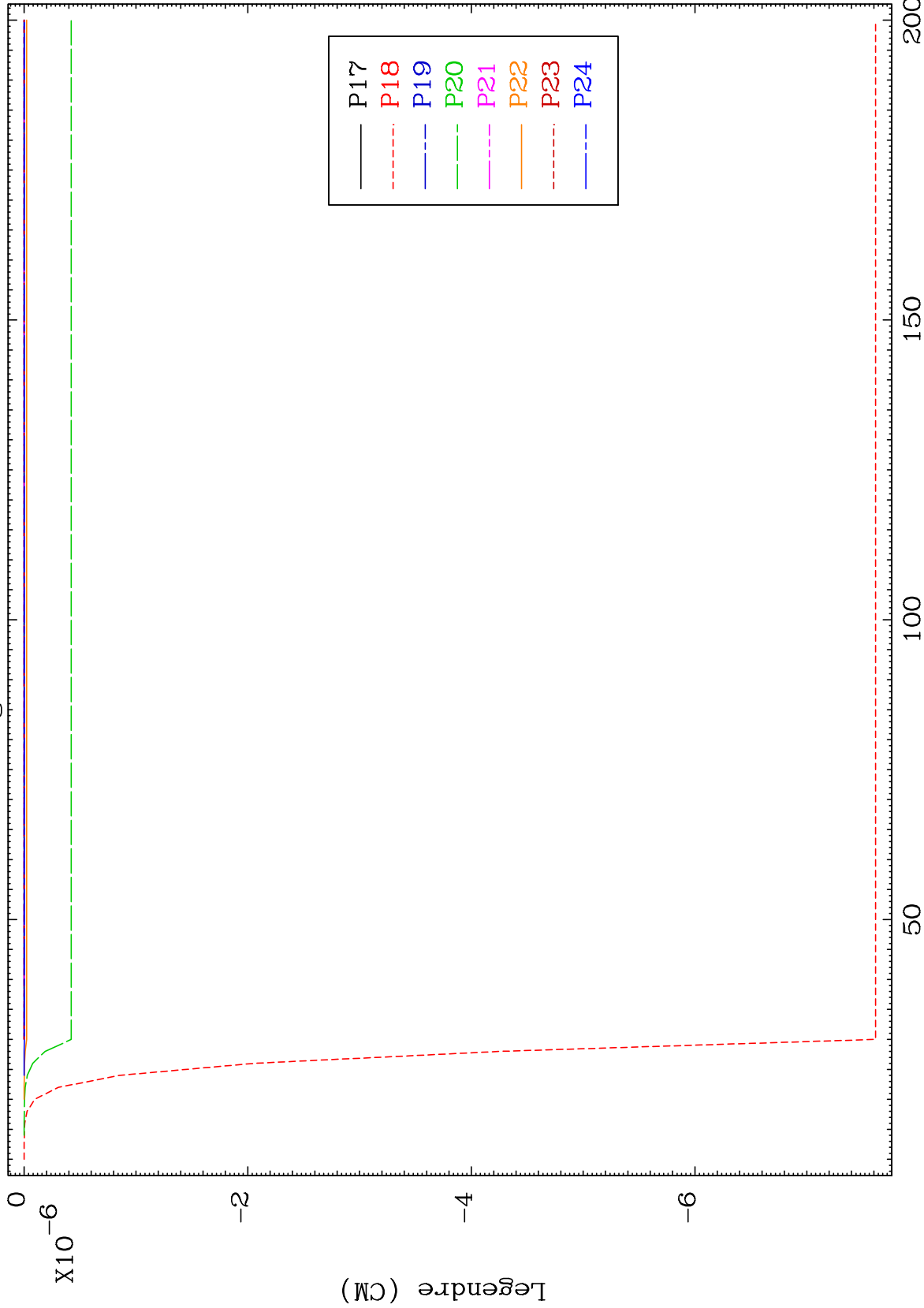
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



25

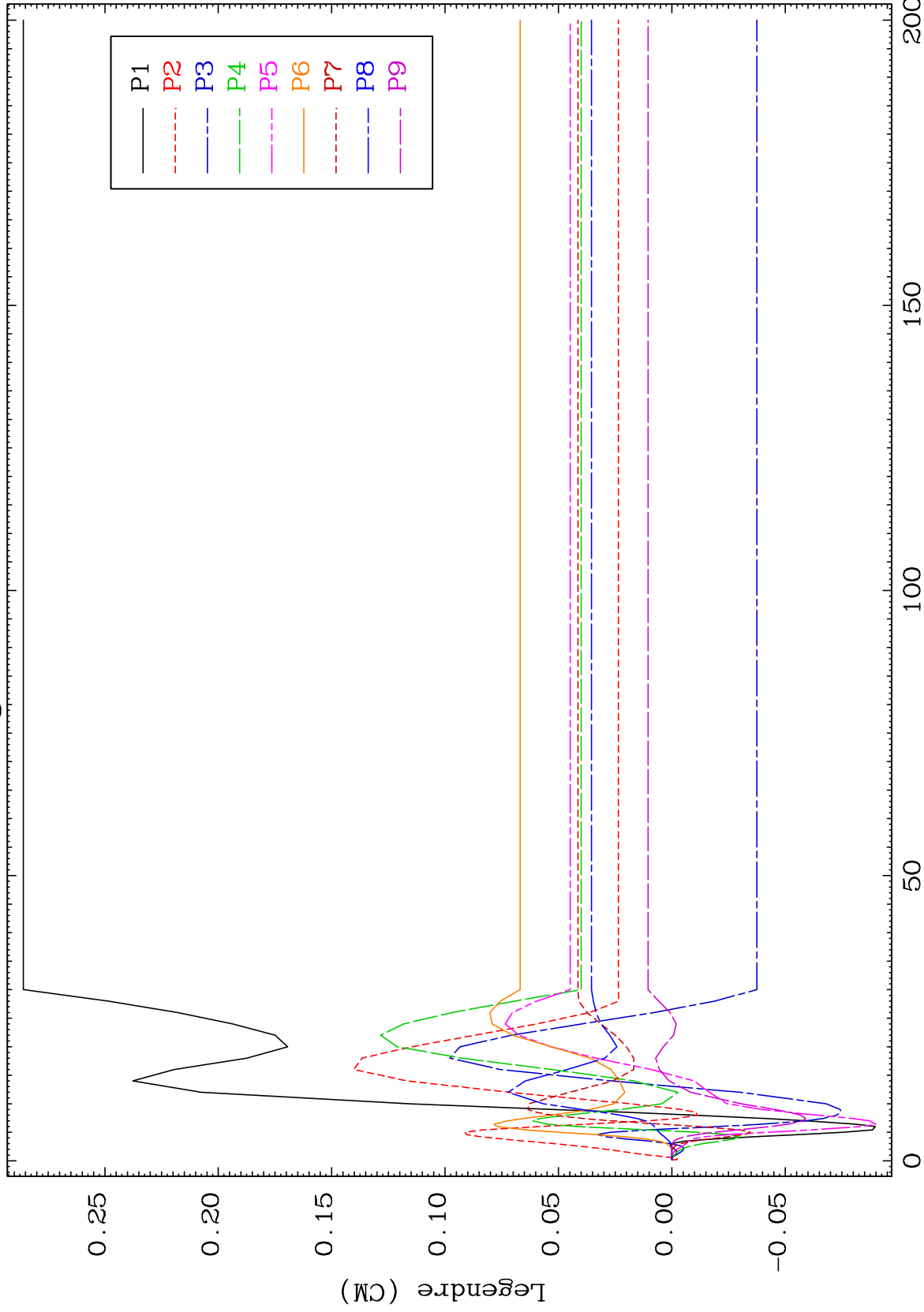
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



26

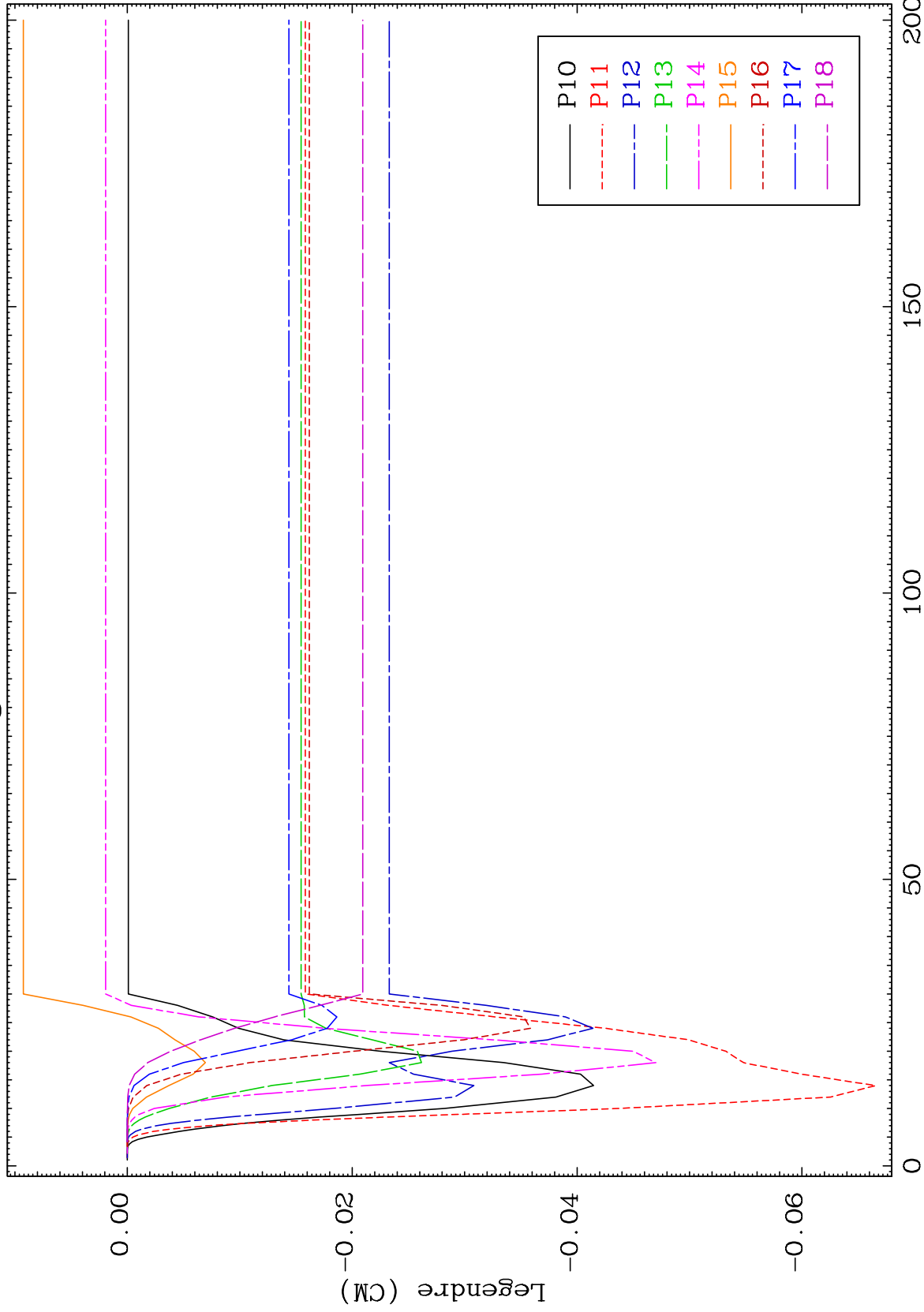
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



27

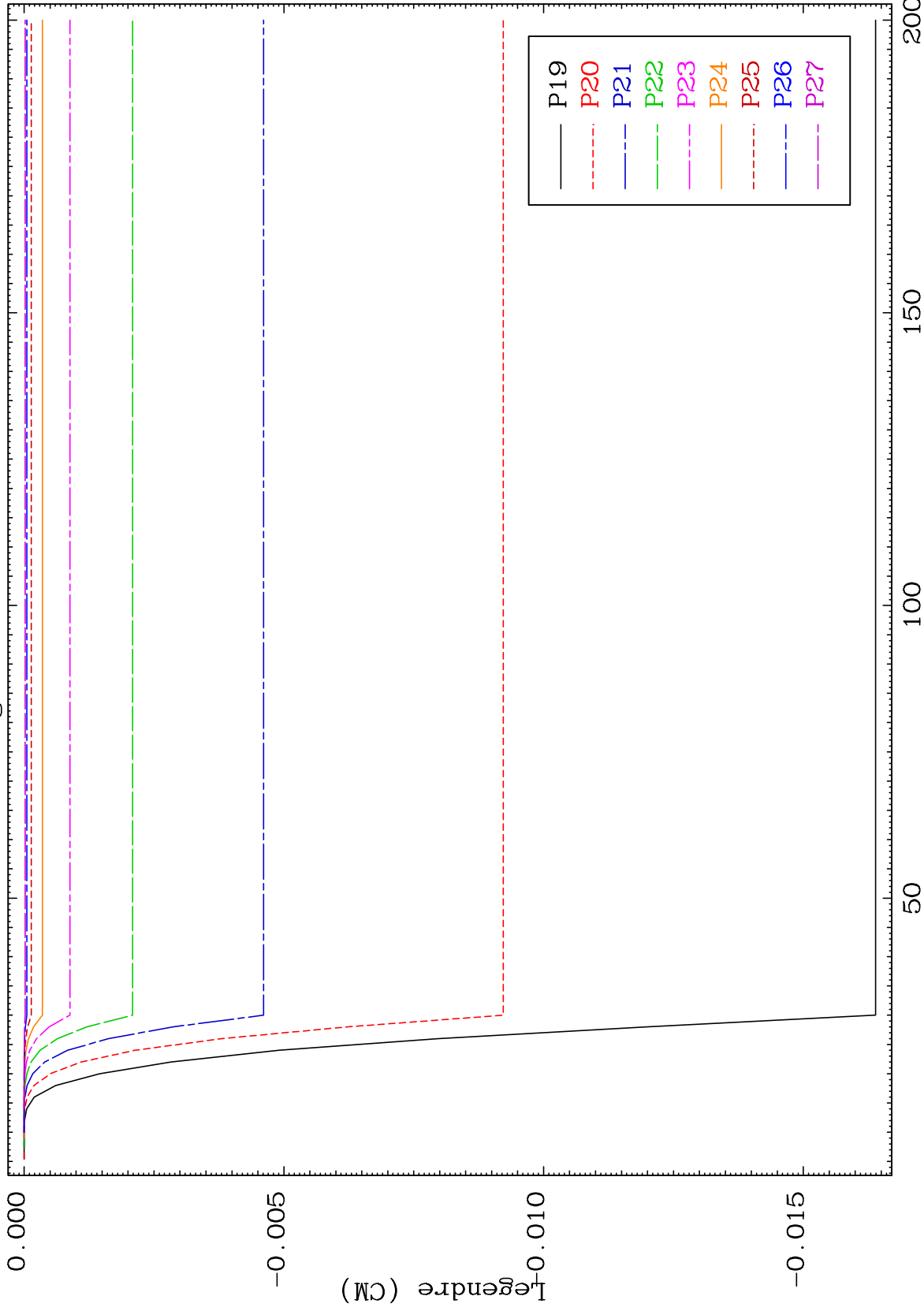
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



28

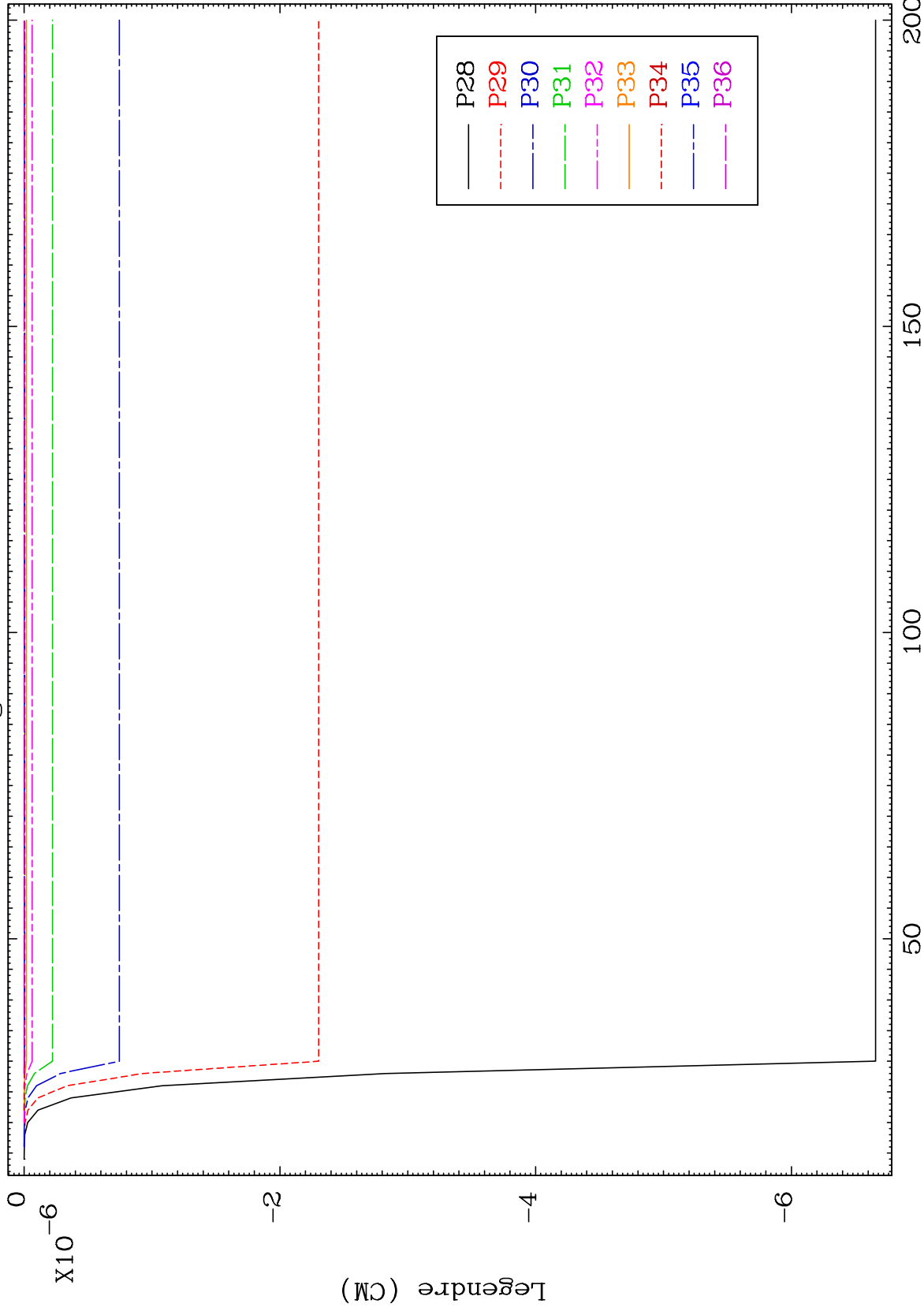
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



29

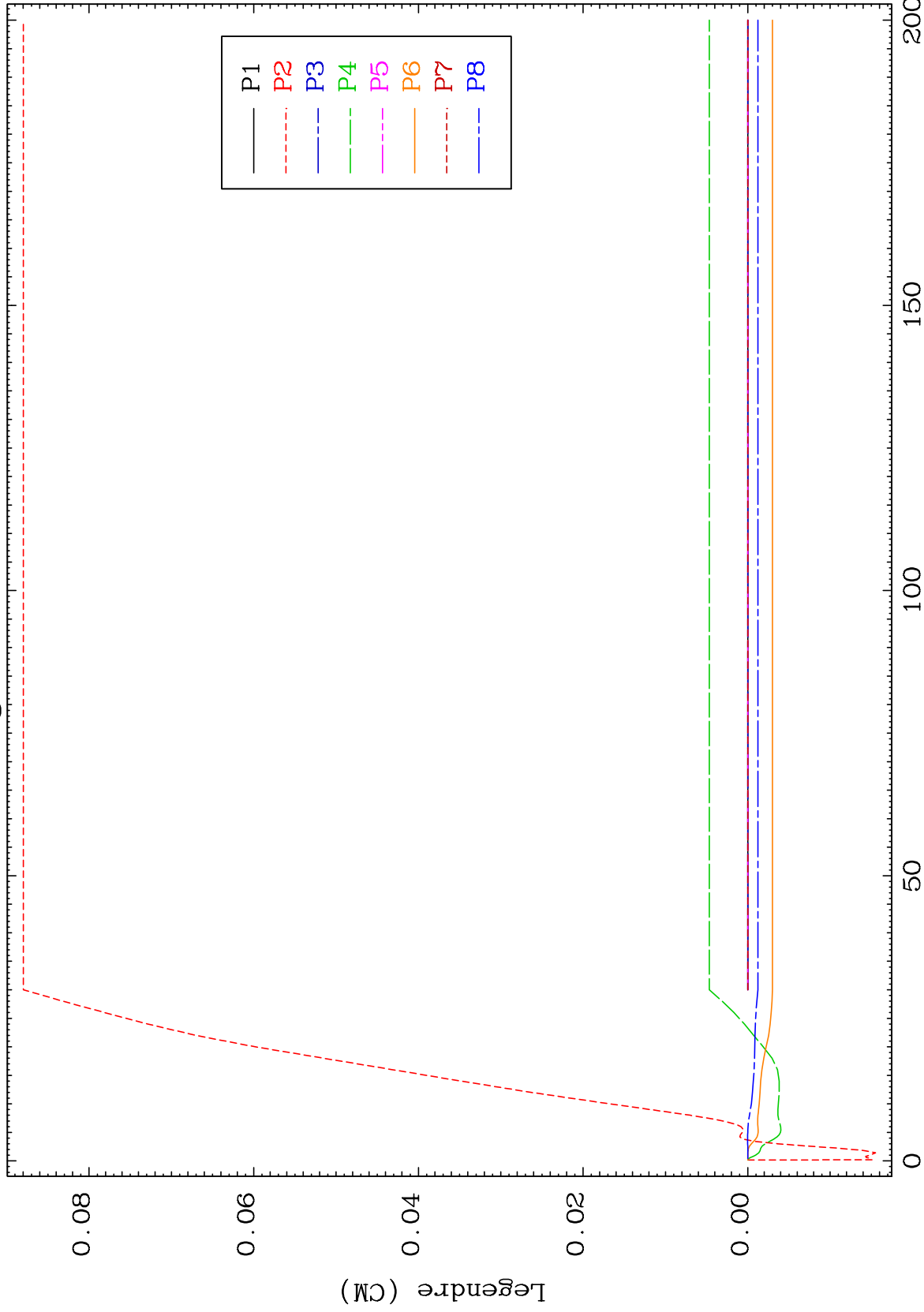
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126

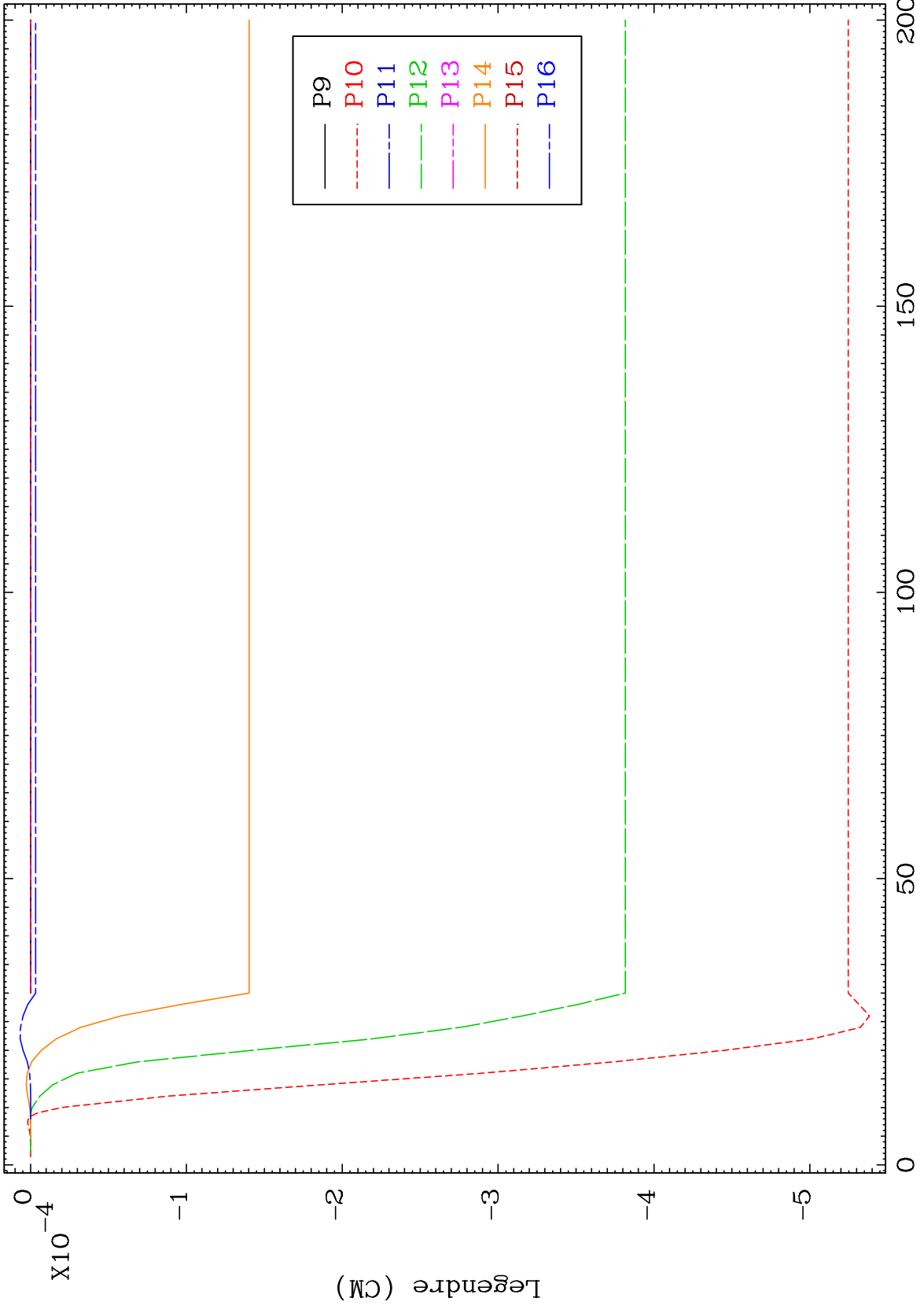


53-I -126

MAT 5322

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

53-I -126



31

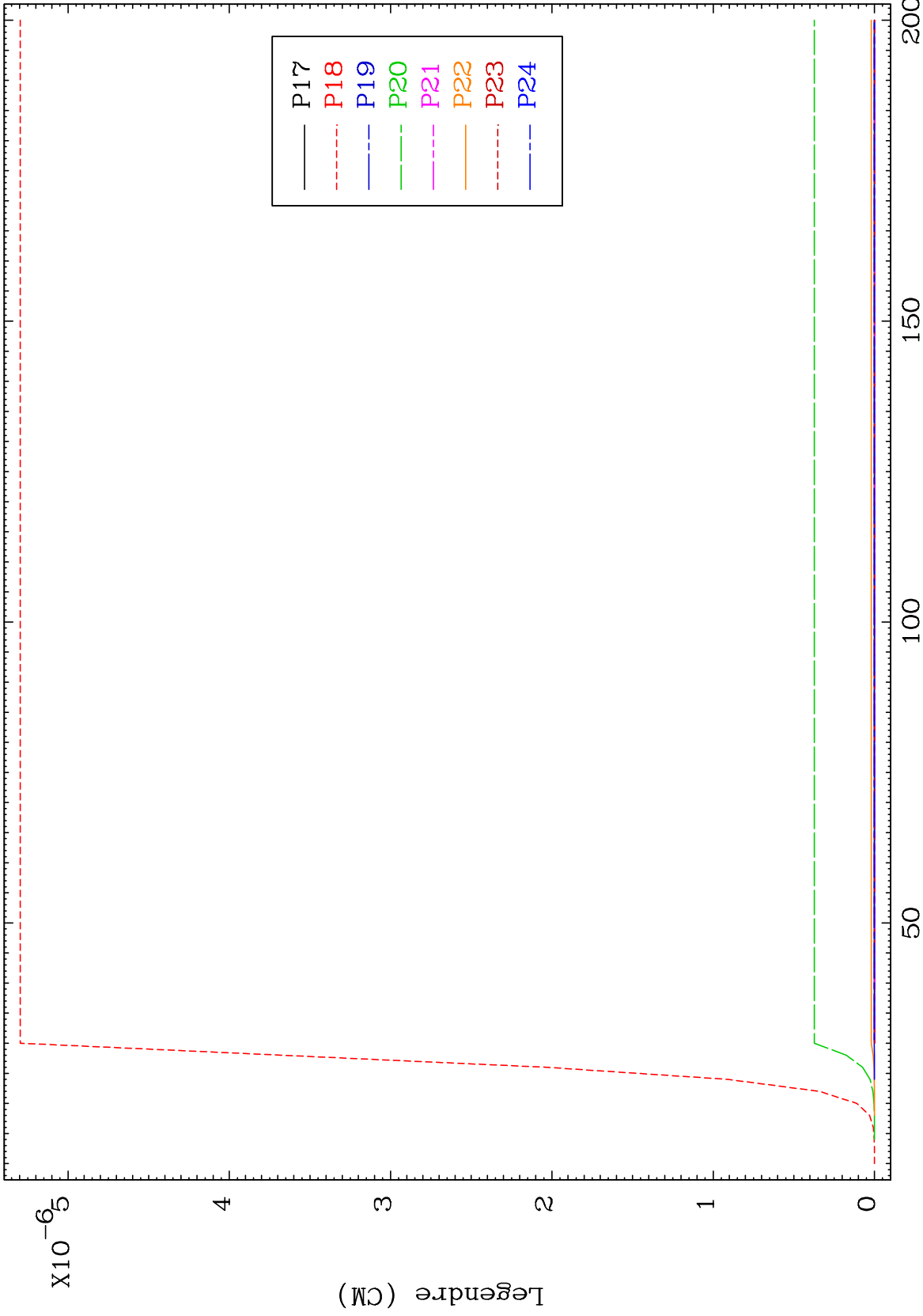
Incident Energy (MeV)

53-I -126

MAT 5322

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

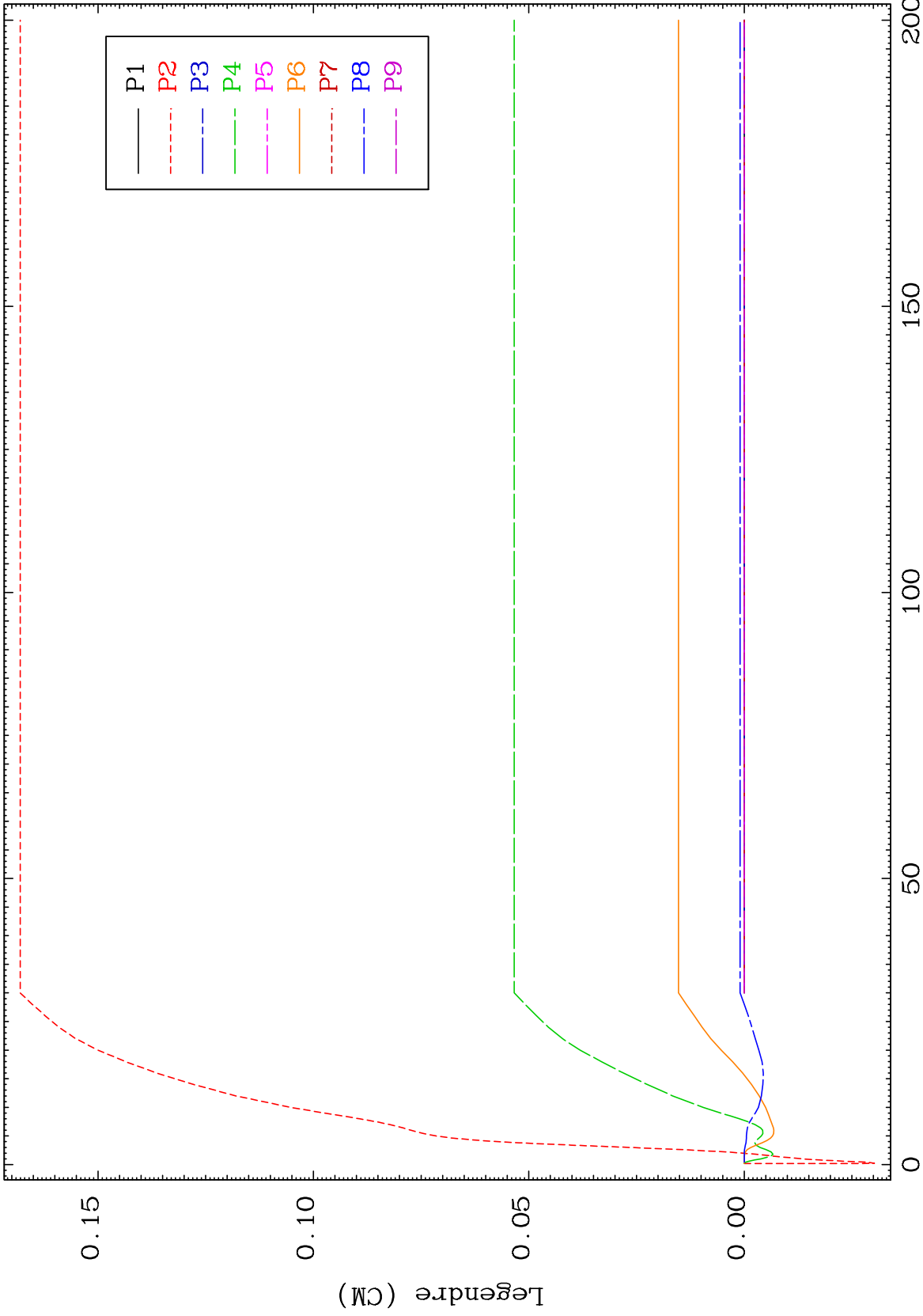
53-I -126



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Incident Energy (MeV)

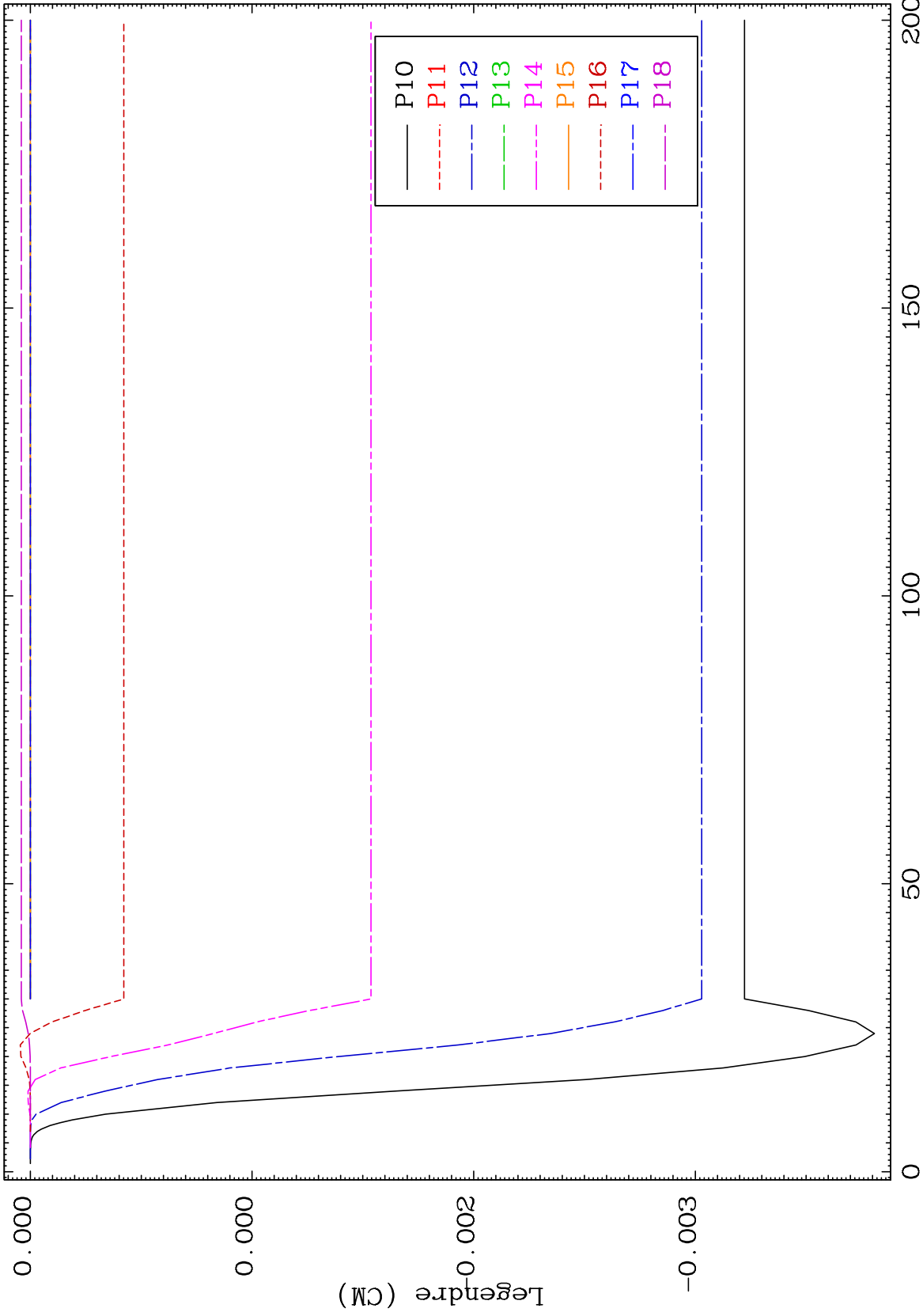
53-I -126



MAT 5322

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

53-I -126



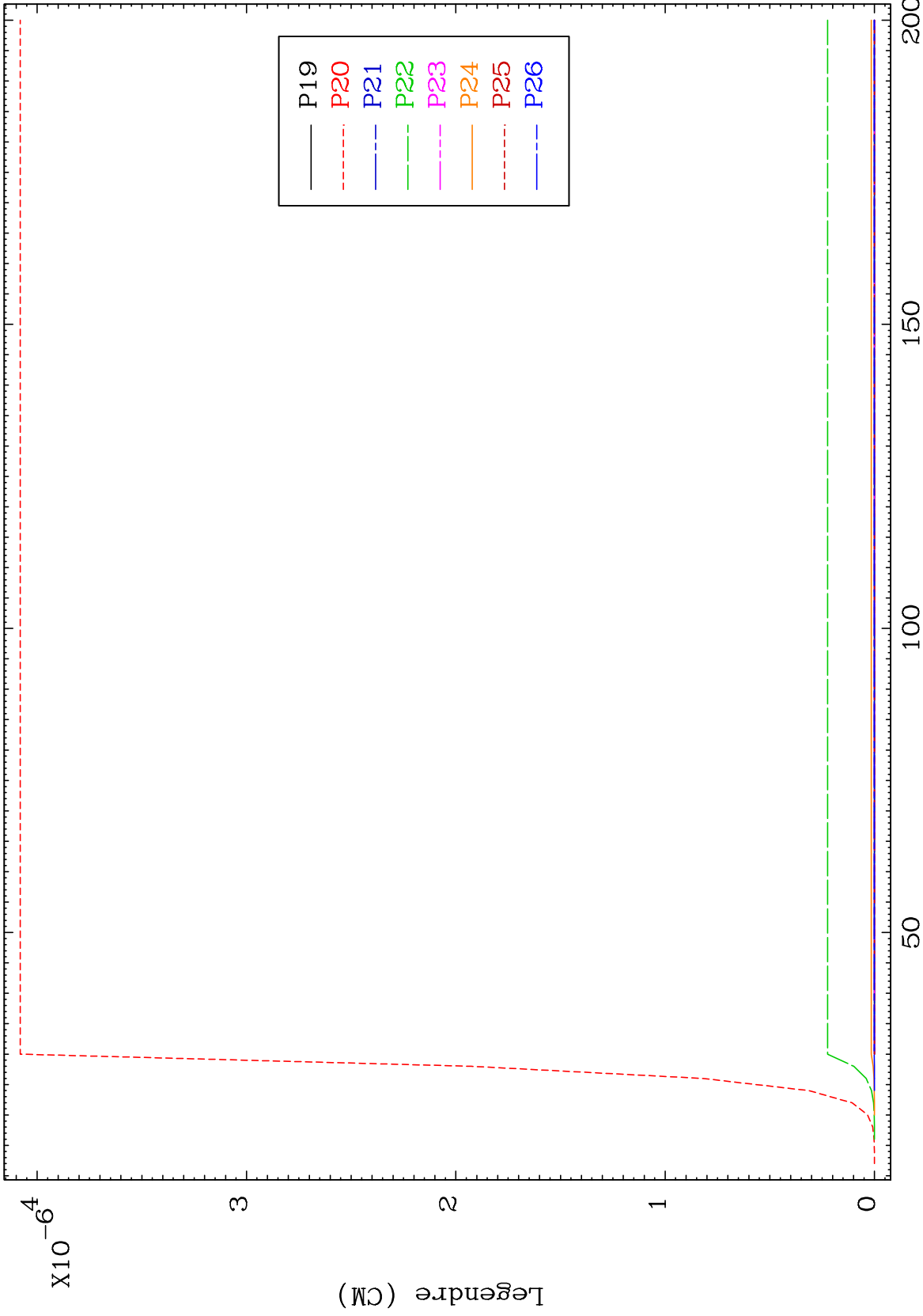
34

53-I -126

MAT 5322

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

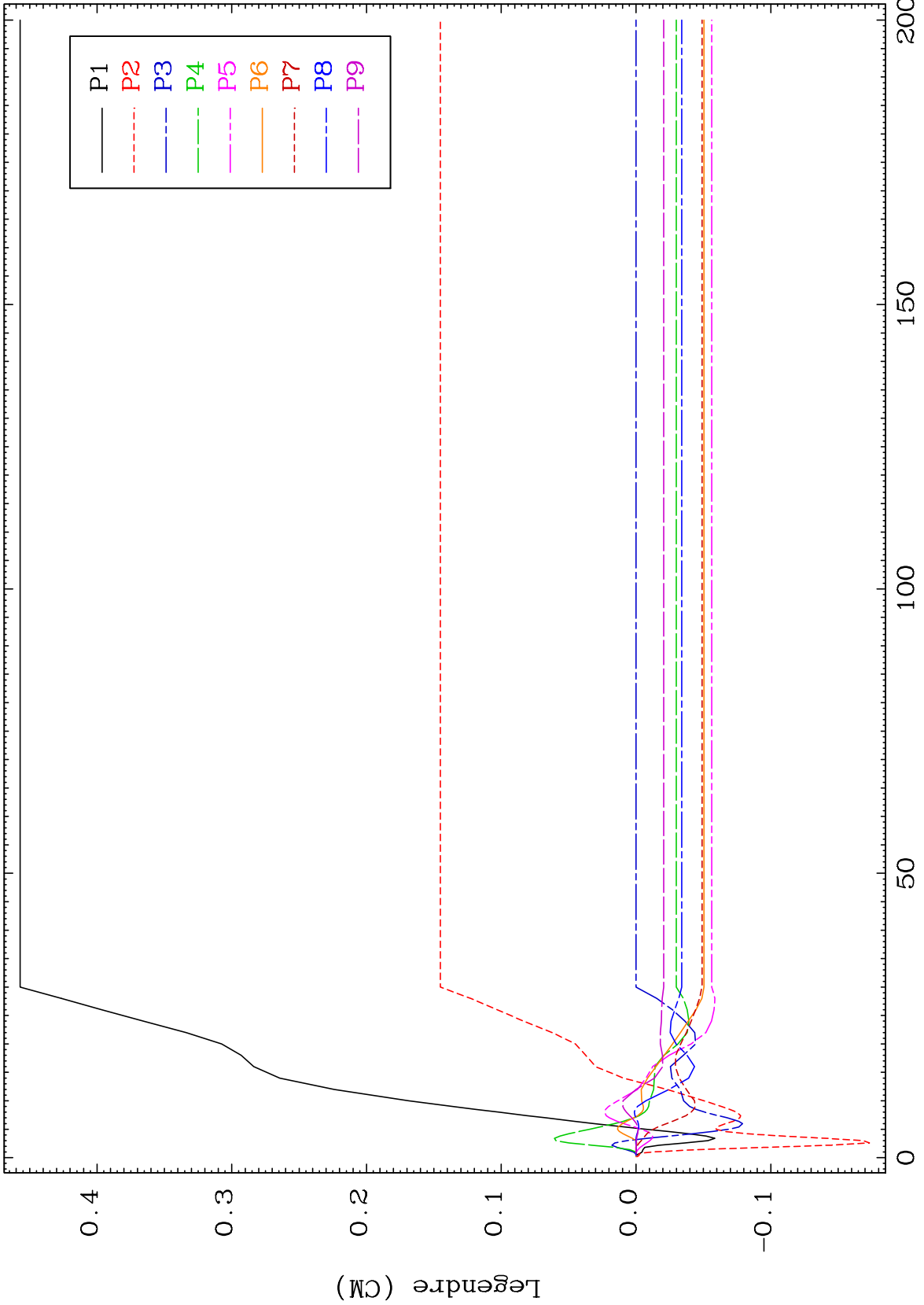
53-I -126



35

Incident Energy (MeV)

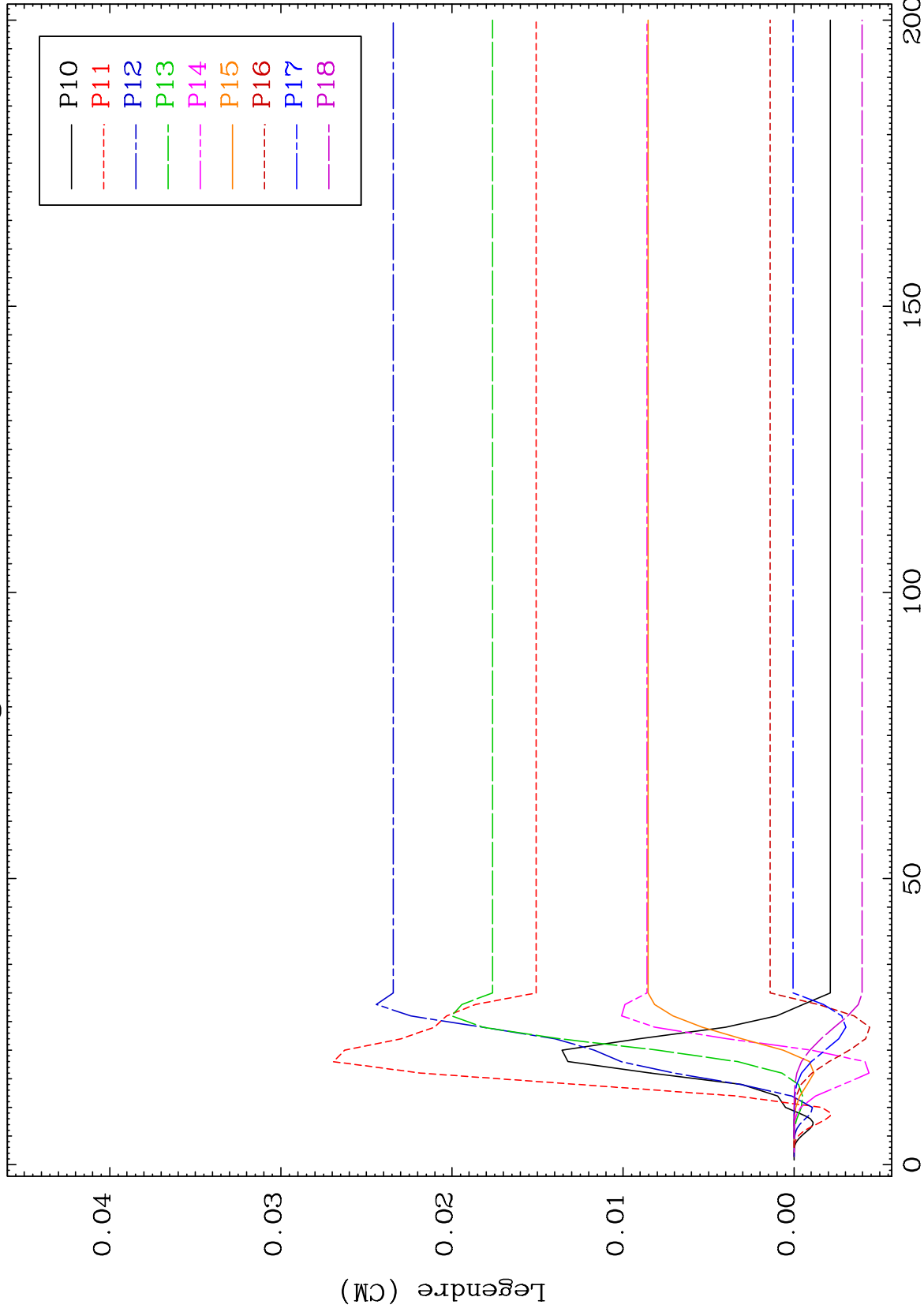
53-I -126



MAT 5322

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

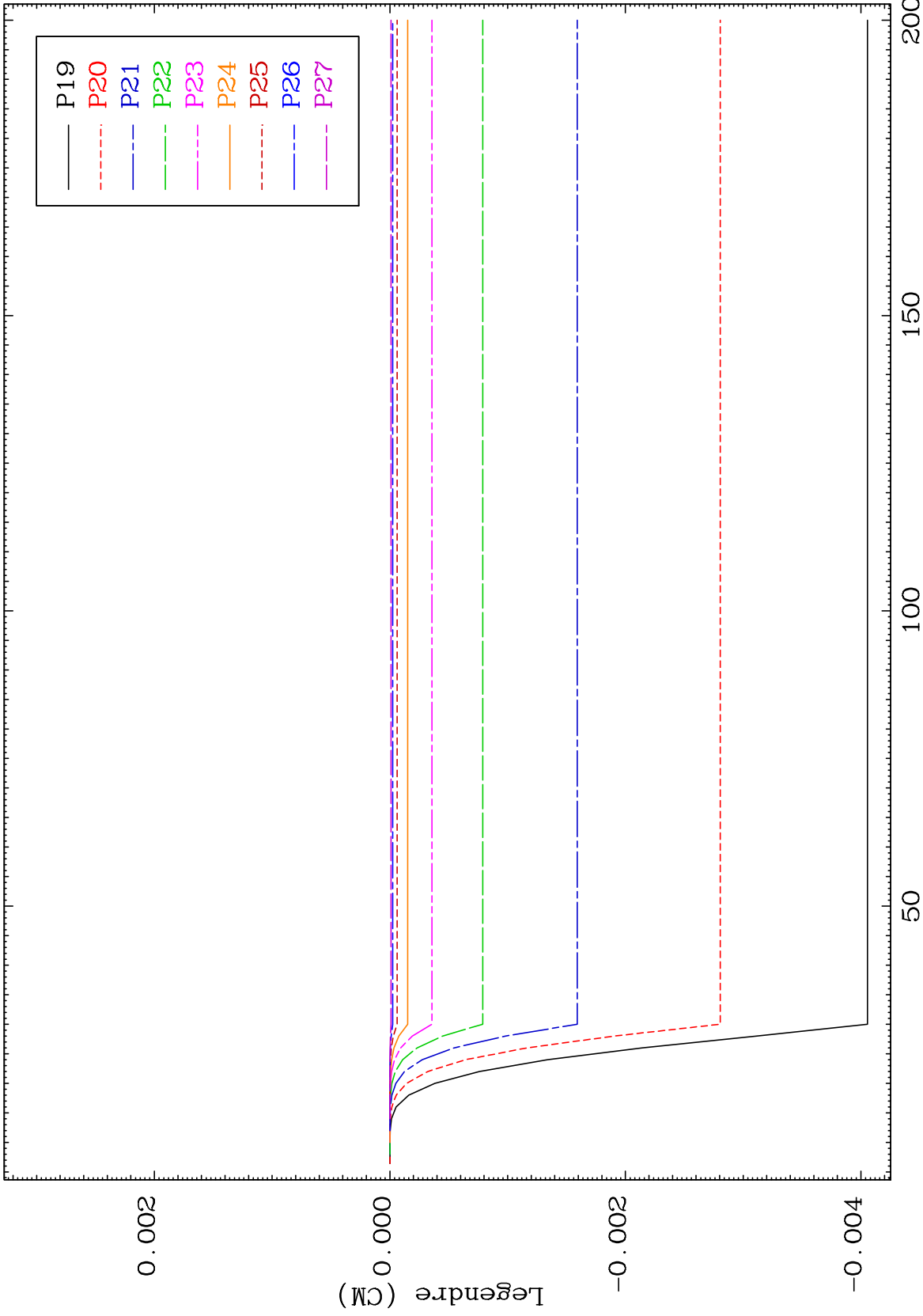
53-I -126



37

Incident Energy (MeV)

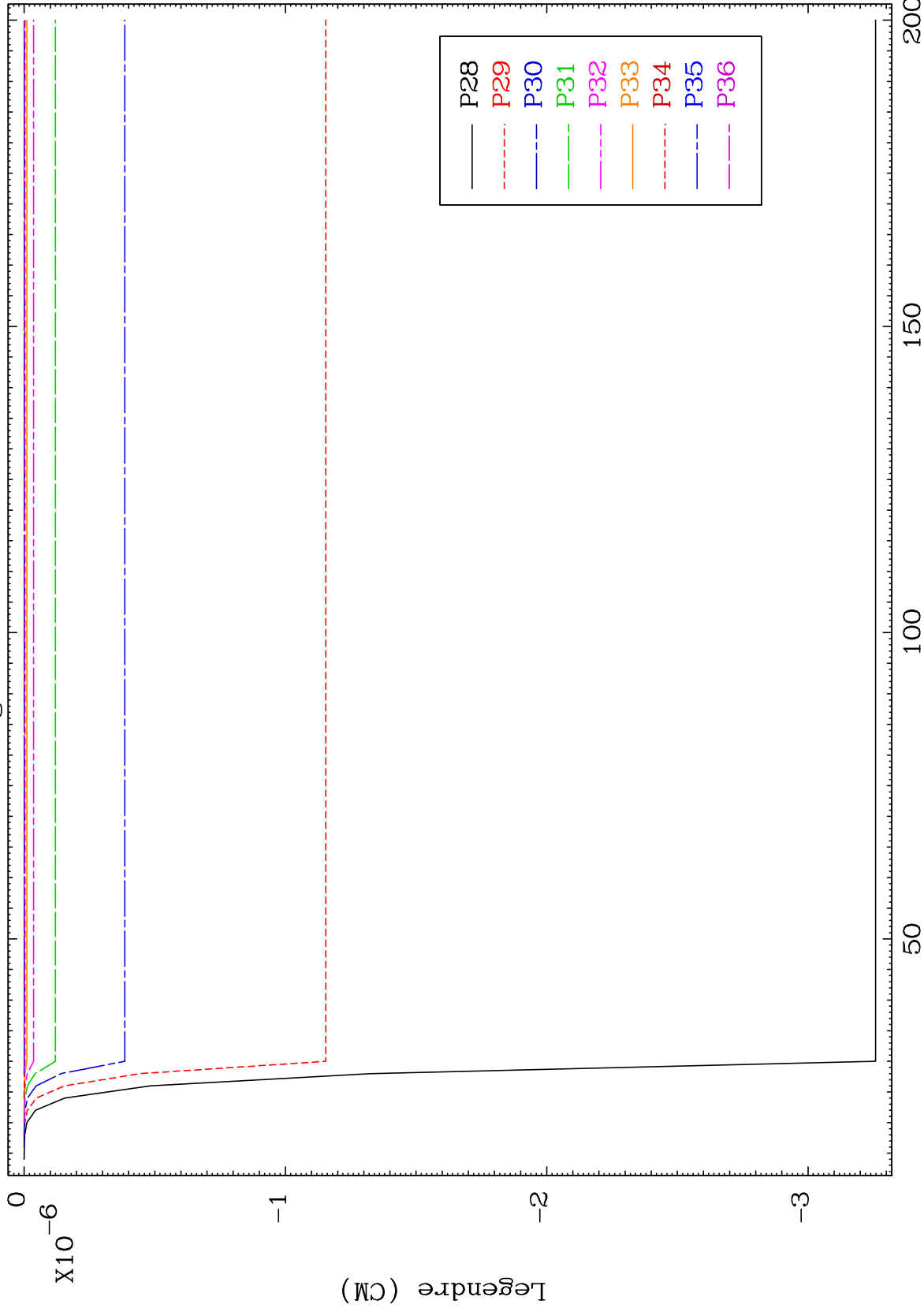
53-I -126



MAT 5322

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

53-I -126



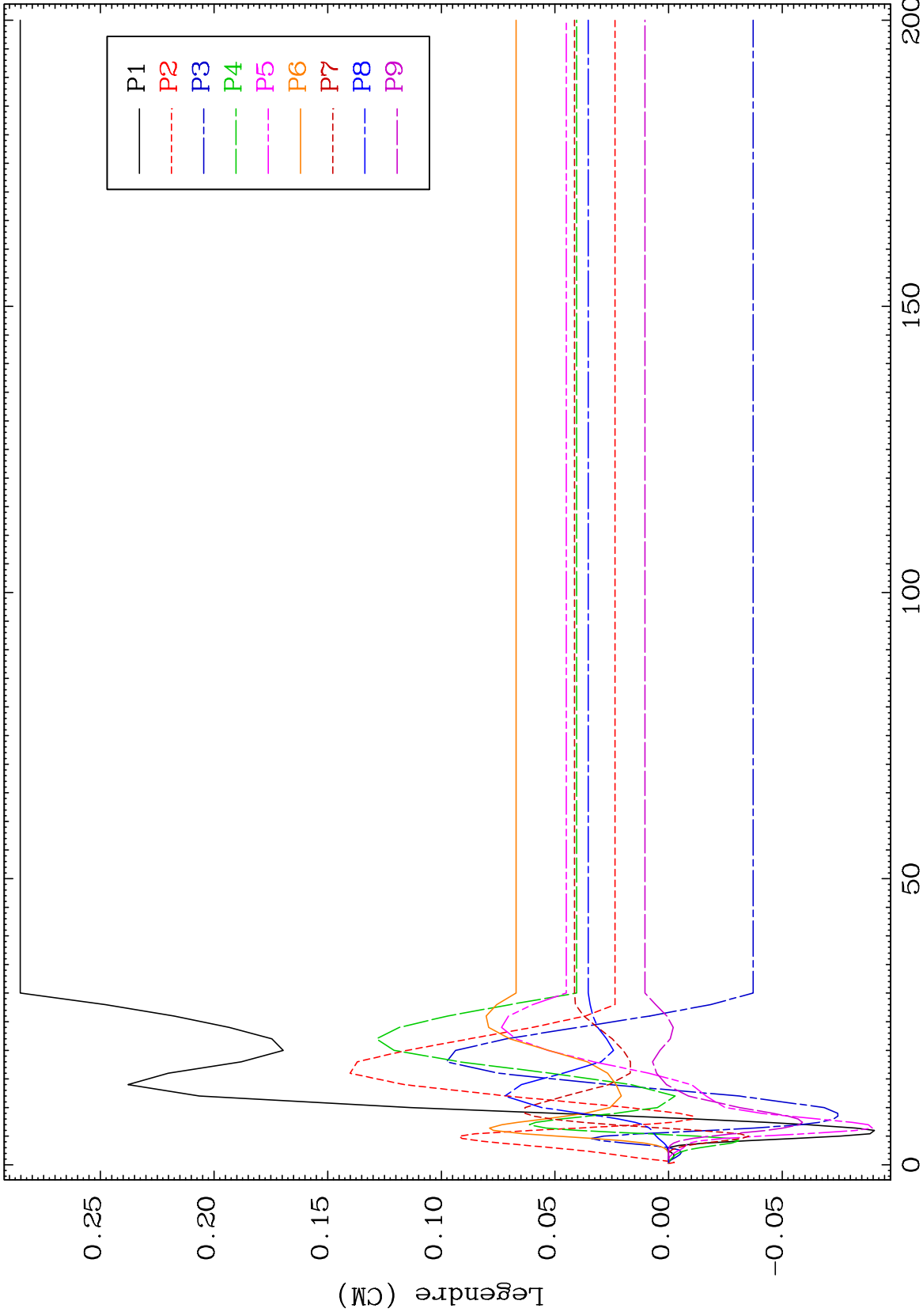
39

53-I -126

MAT 5322

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

53-I -126



40

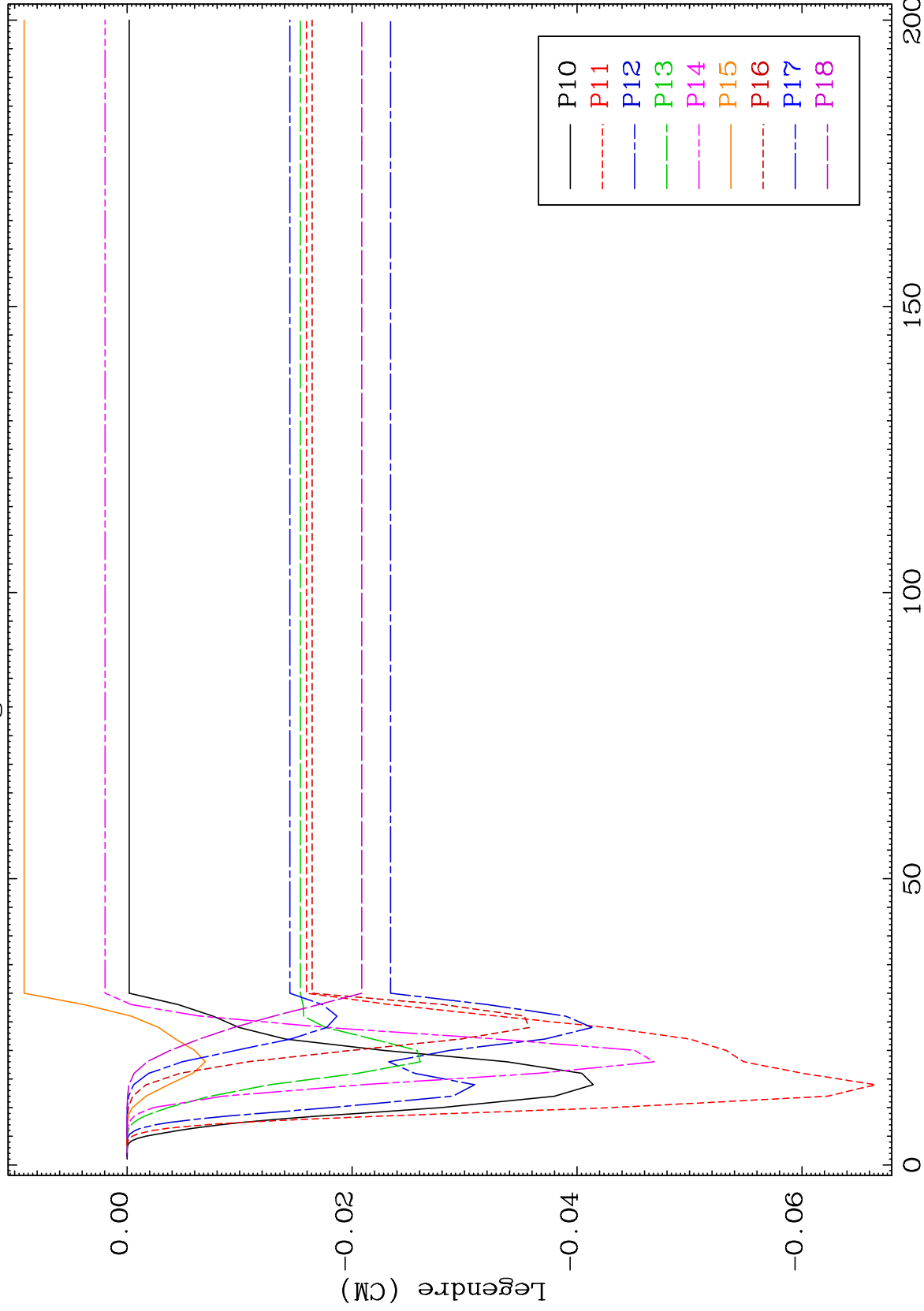
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



41

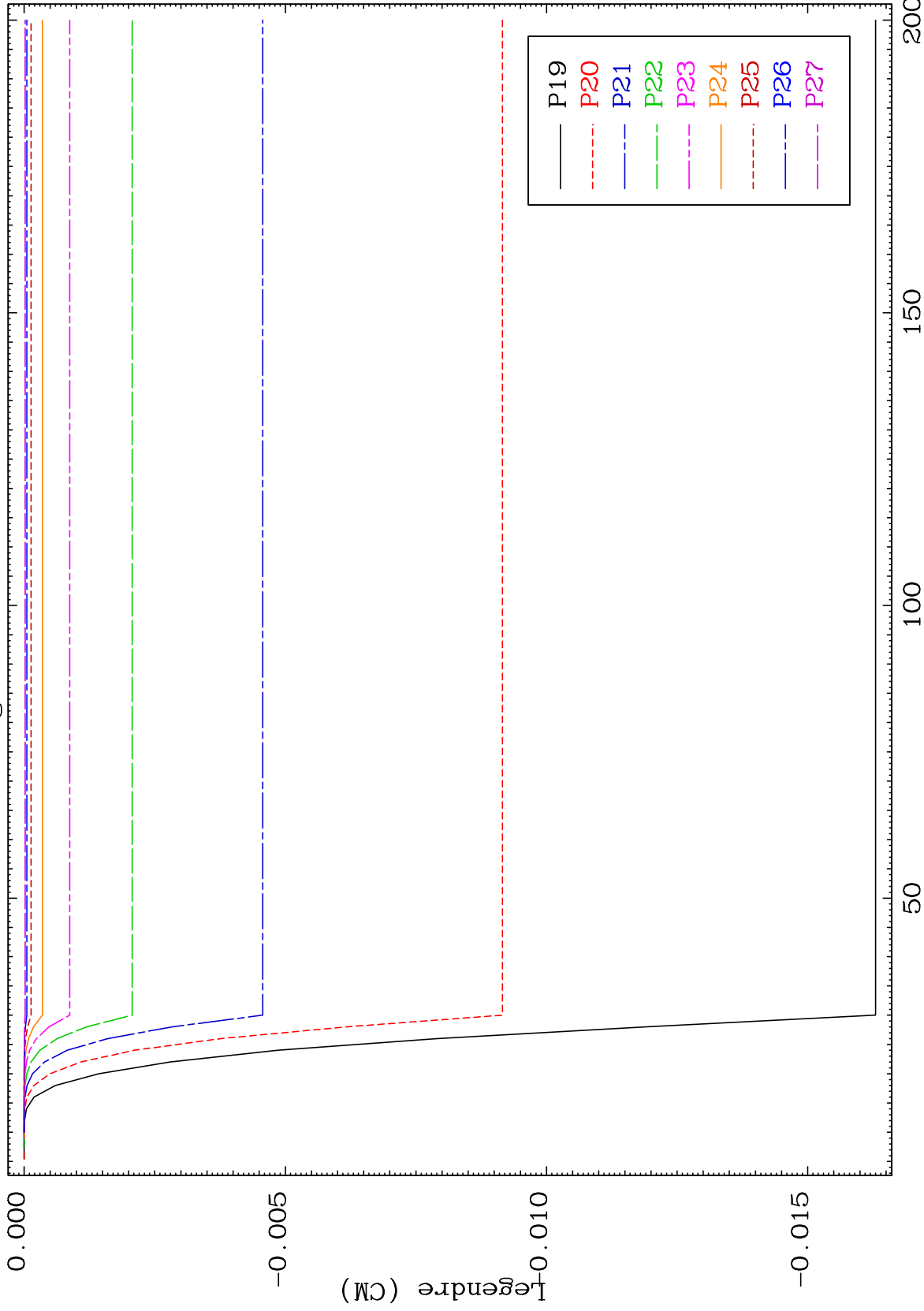
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



42

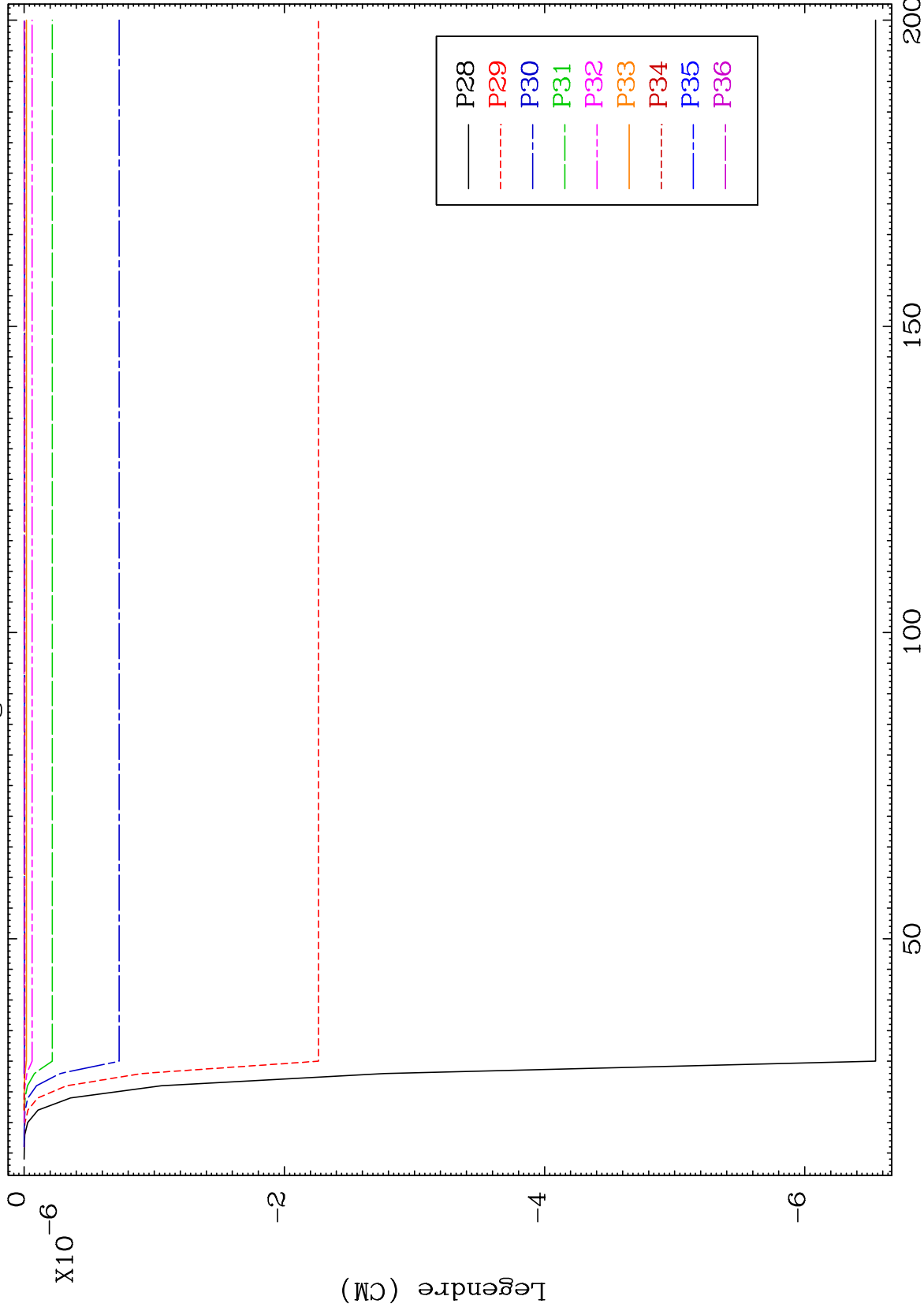
Incident Energy (MeV)

53-I -126

MAT 5322

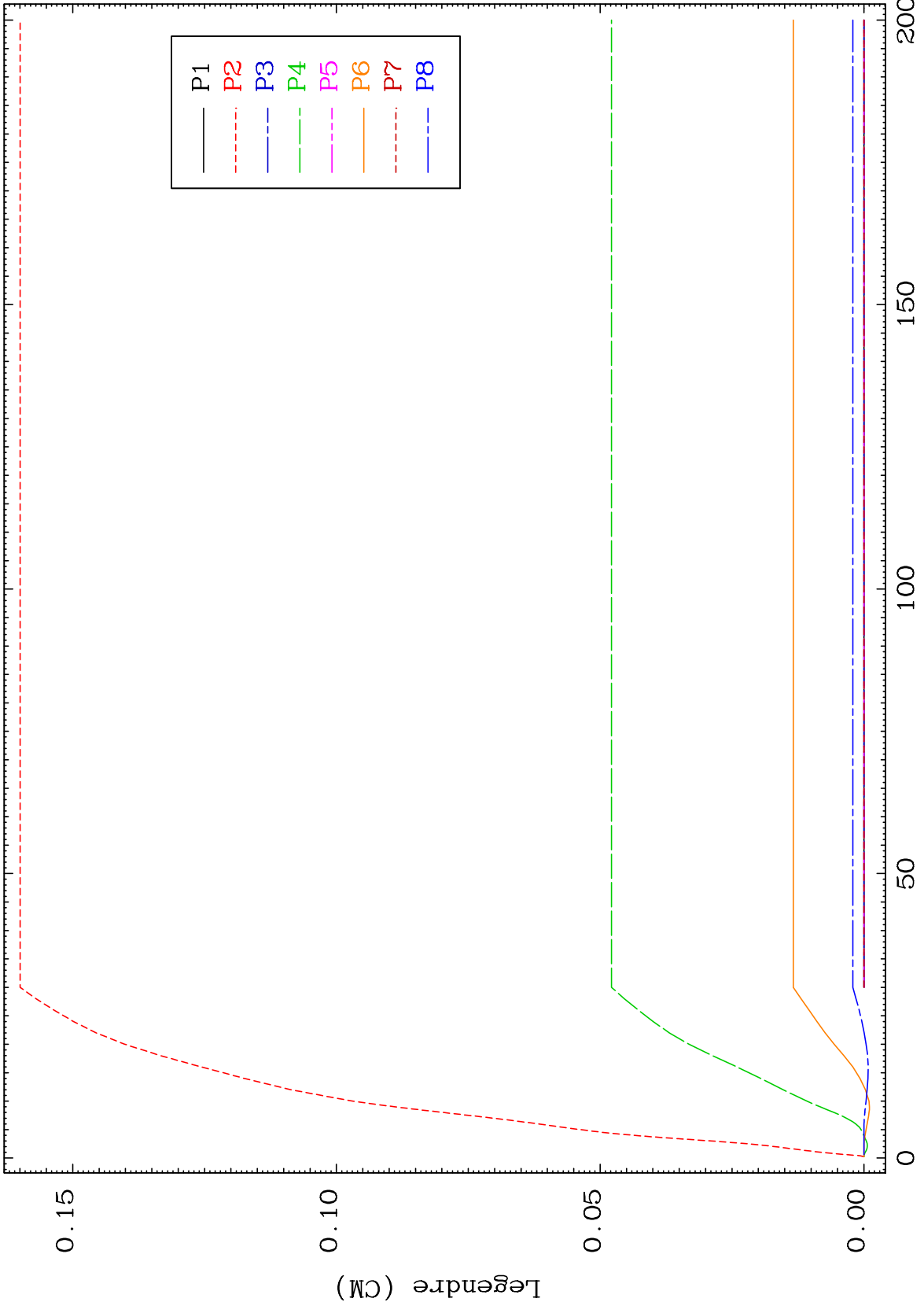
MT= 57 (n,n') Level
Legendre Coefficients

53-I -126



43

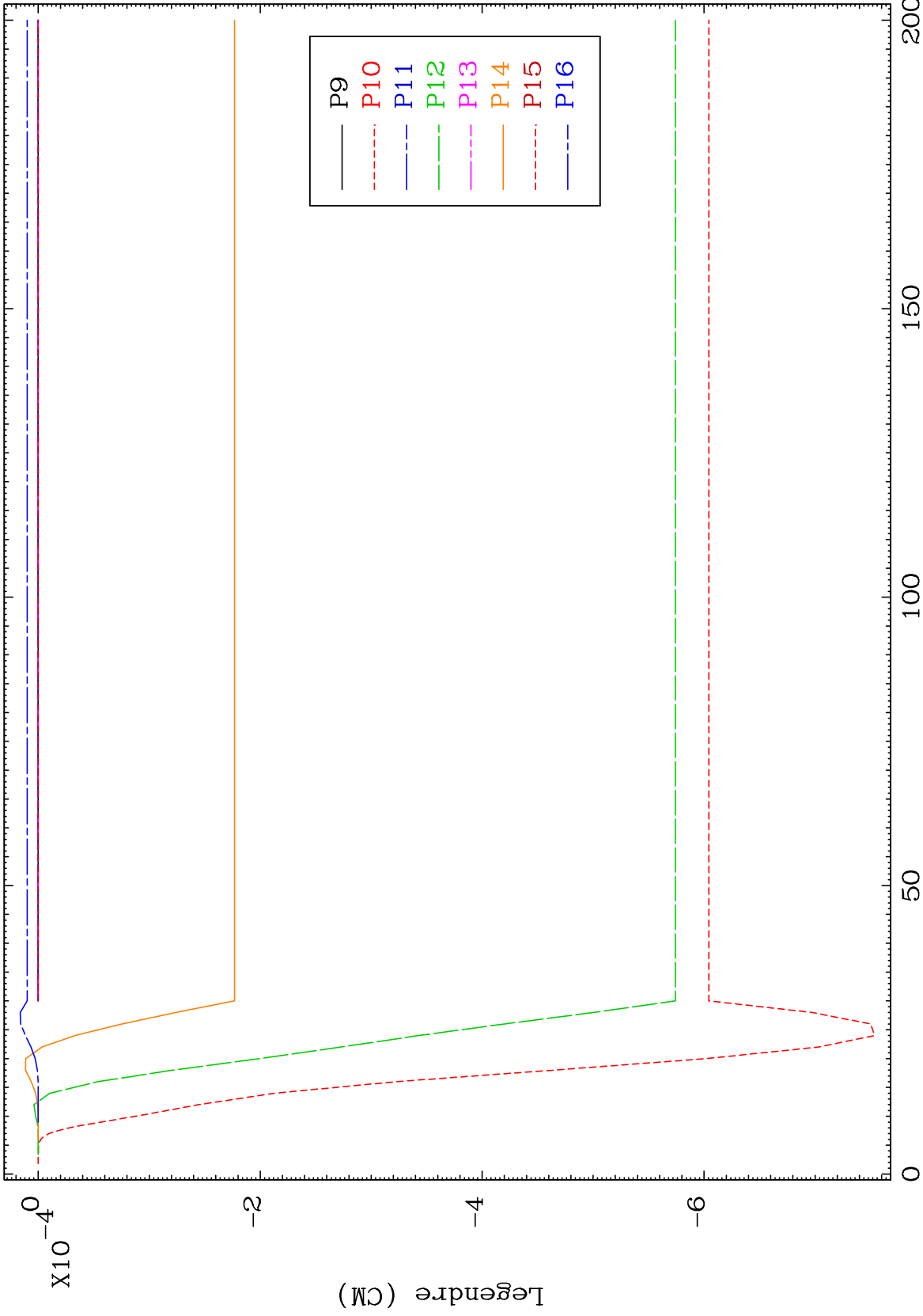
53-I -126



MAT 5322

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

53-I -126



45

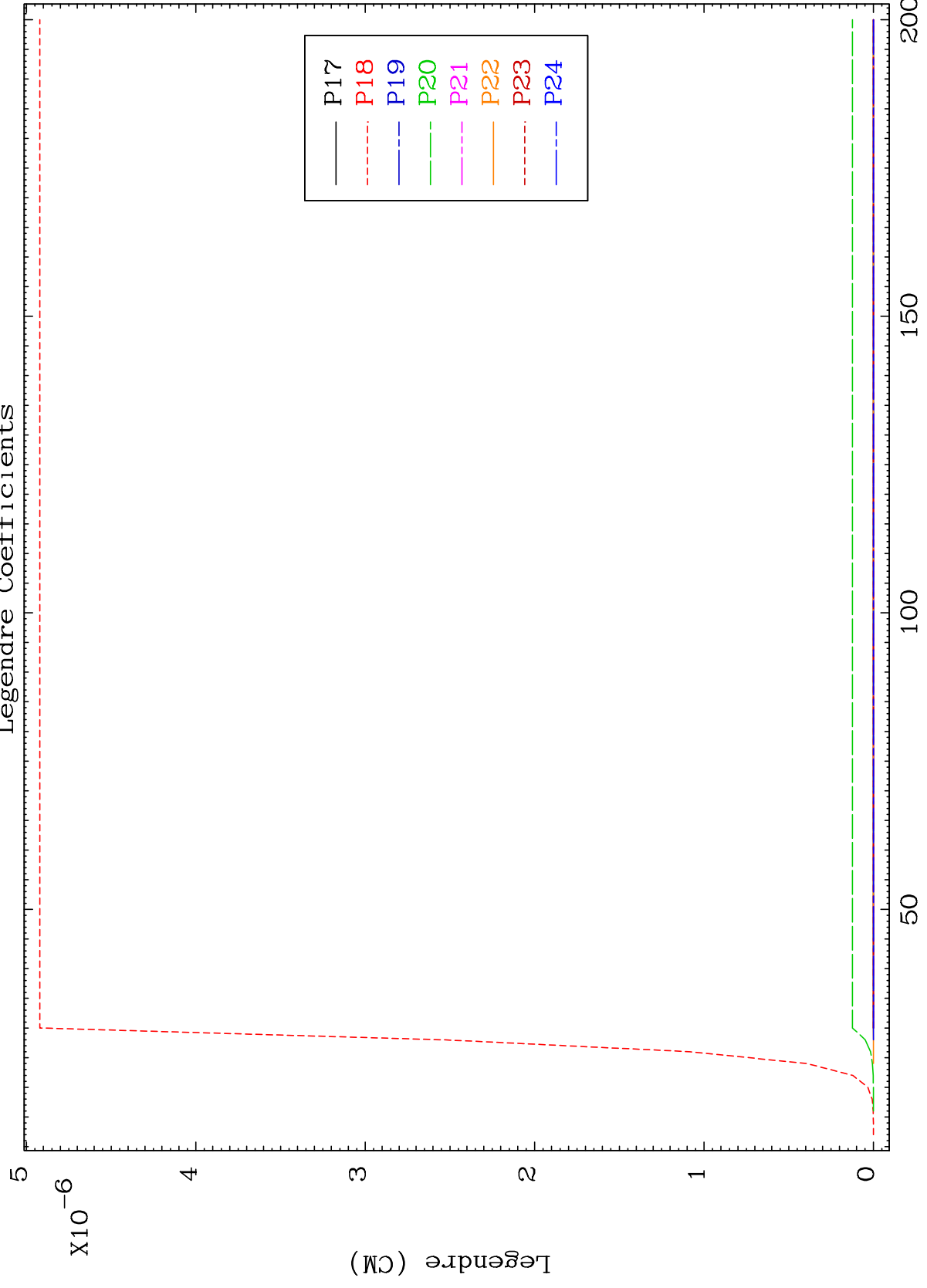
Incident Energy (MeV)

53-I -126

MAT 5322

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

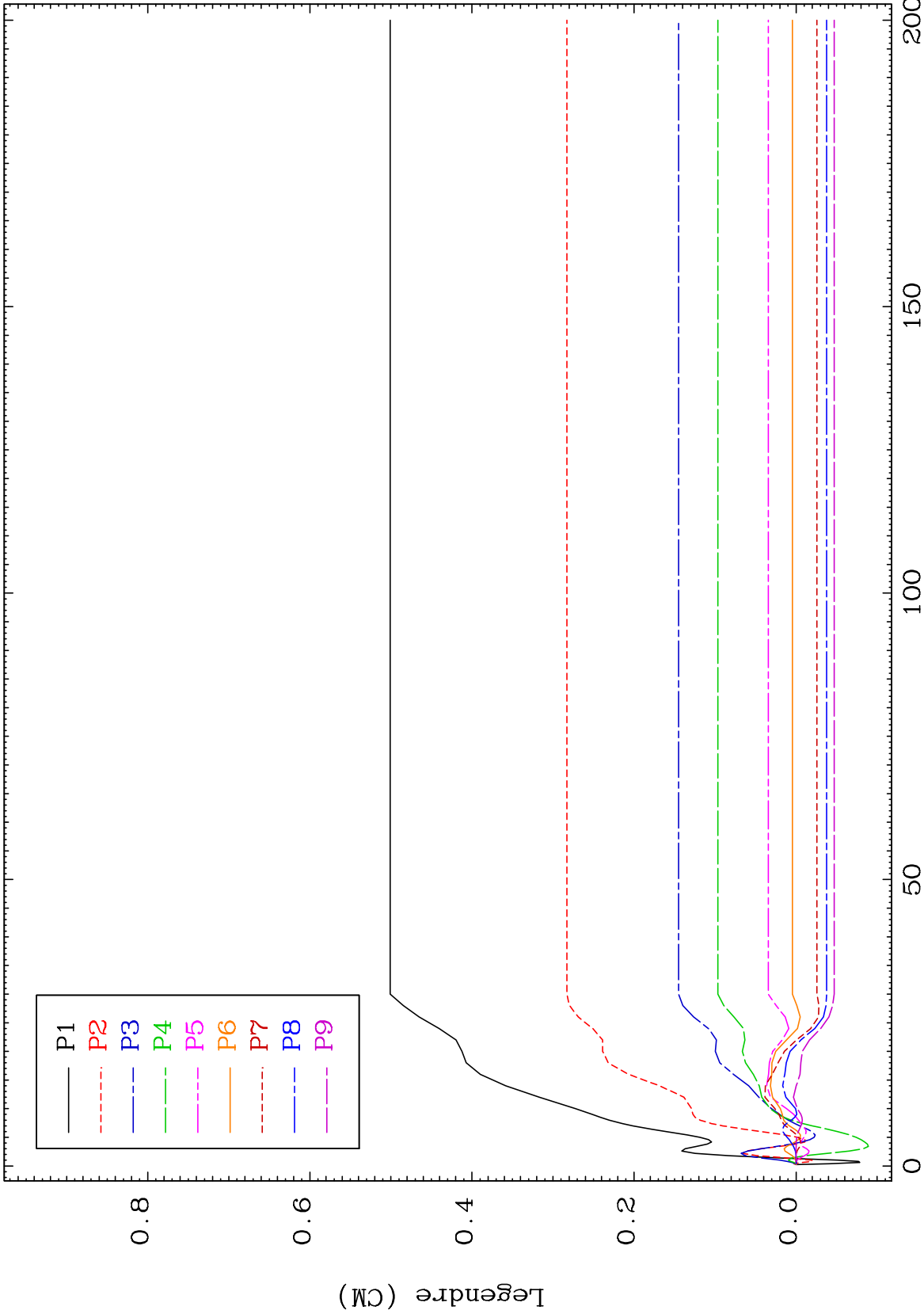
53-I -126



46

Incident Energy (MeV)

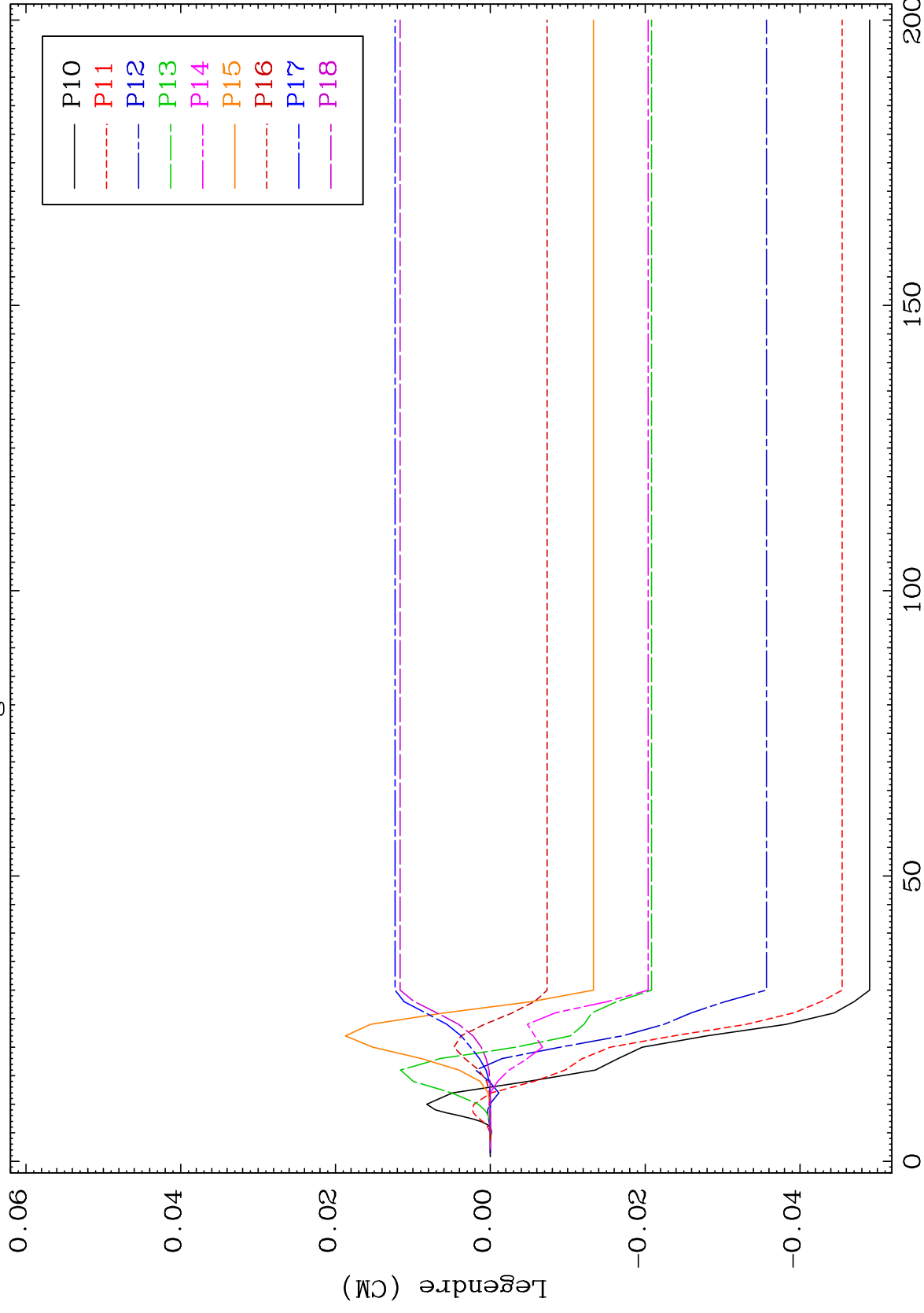
53-I -126



MAT 5322

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

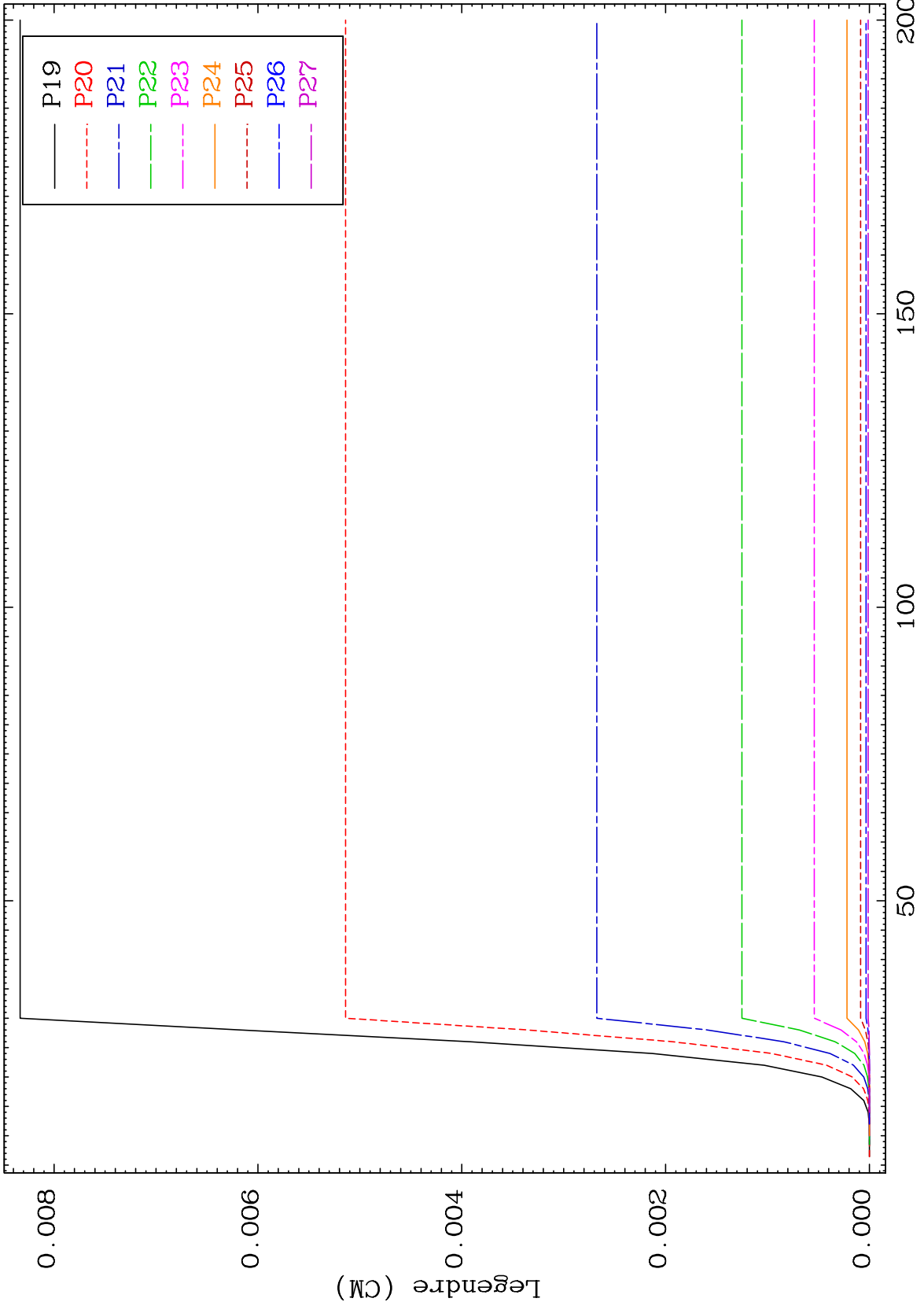
53-I -126



48

Incident Energy (MeV)

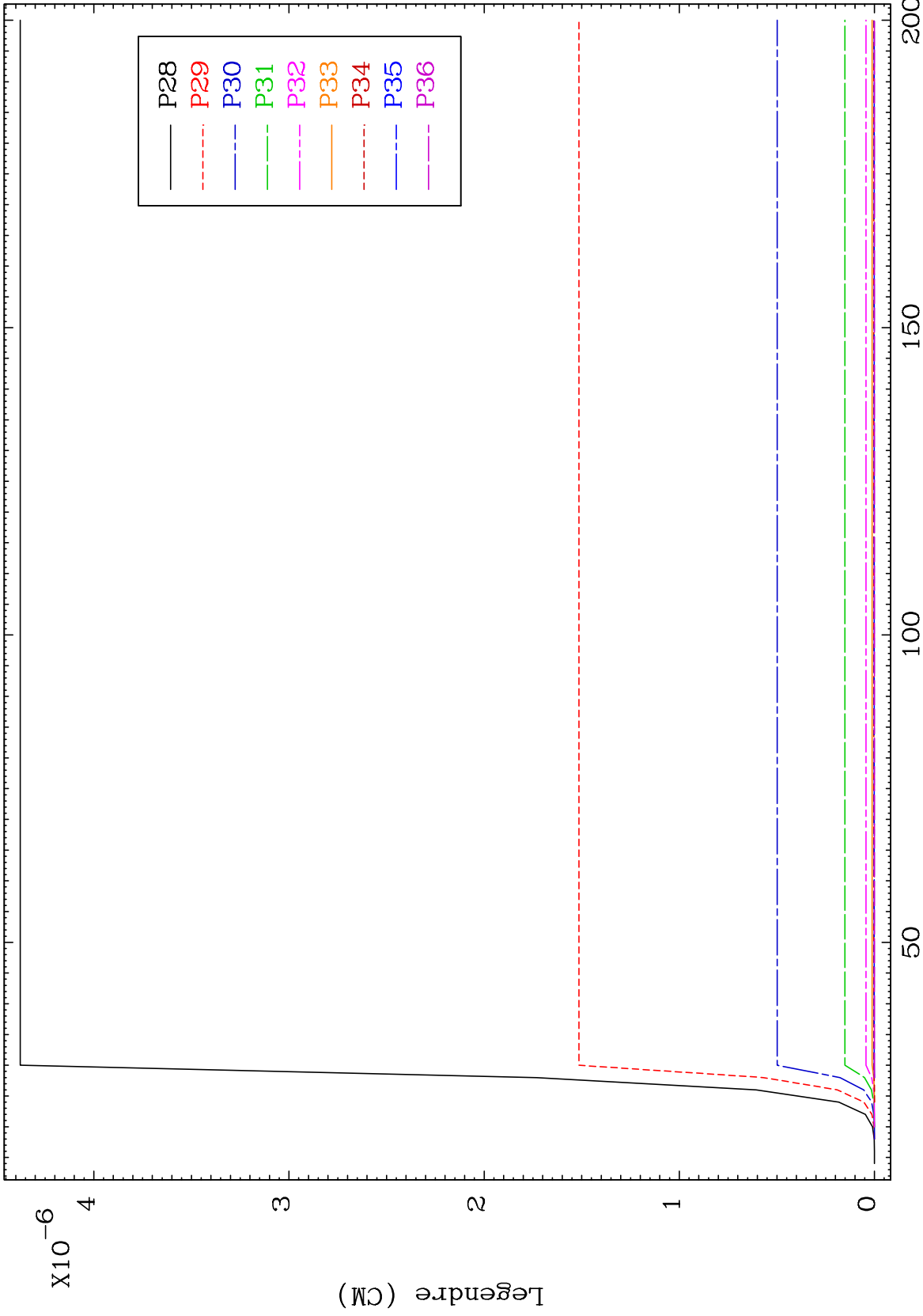
53-I -126



MAT 5322

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

53-I -126



50

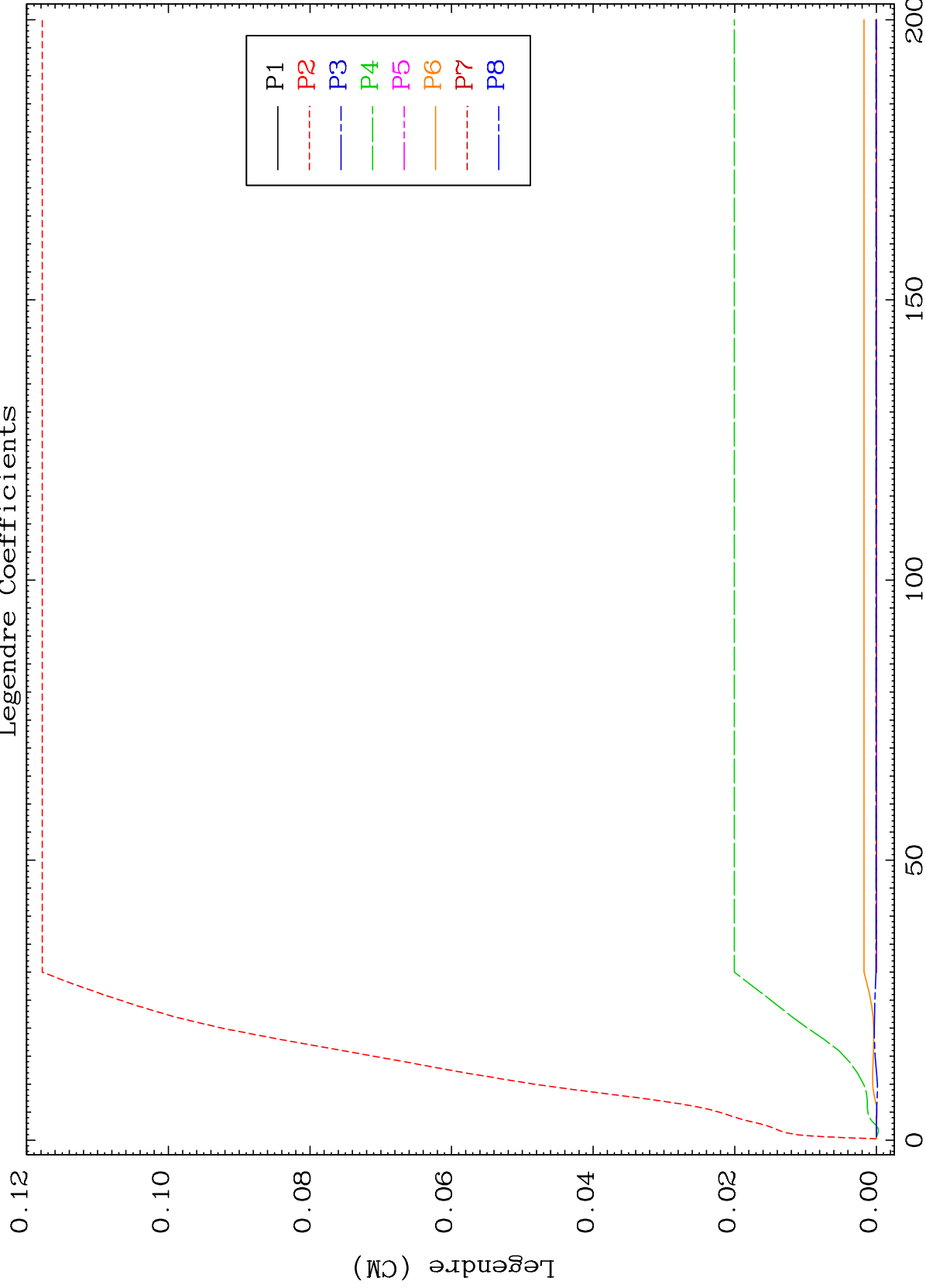
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



51

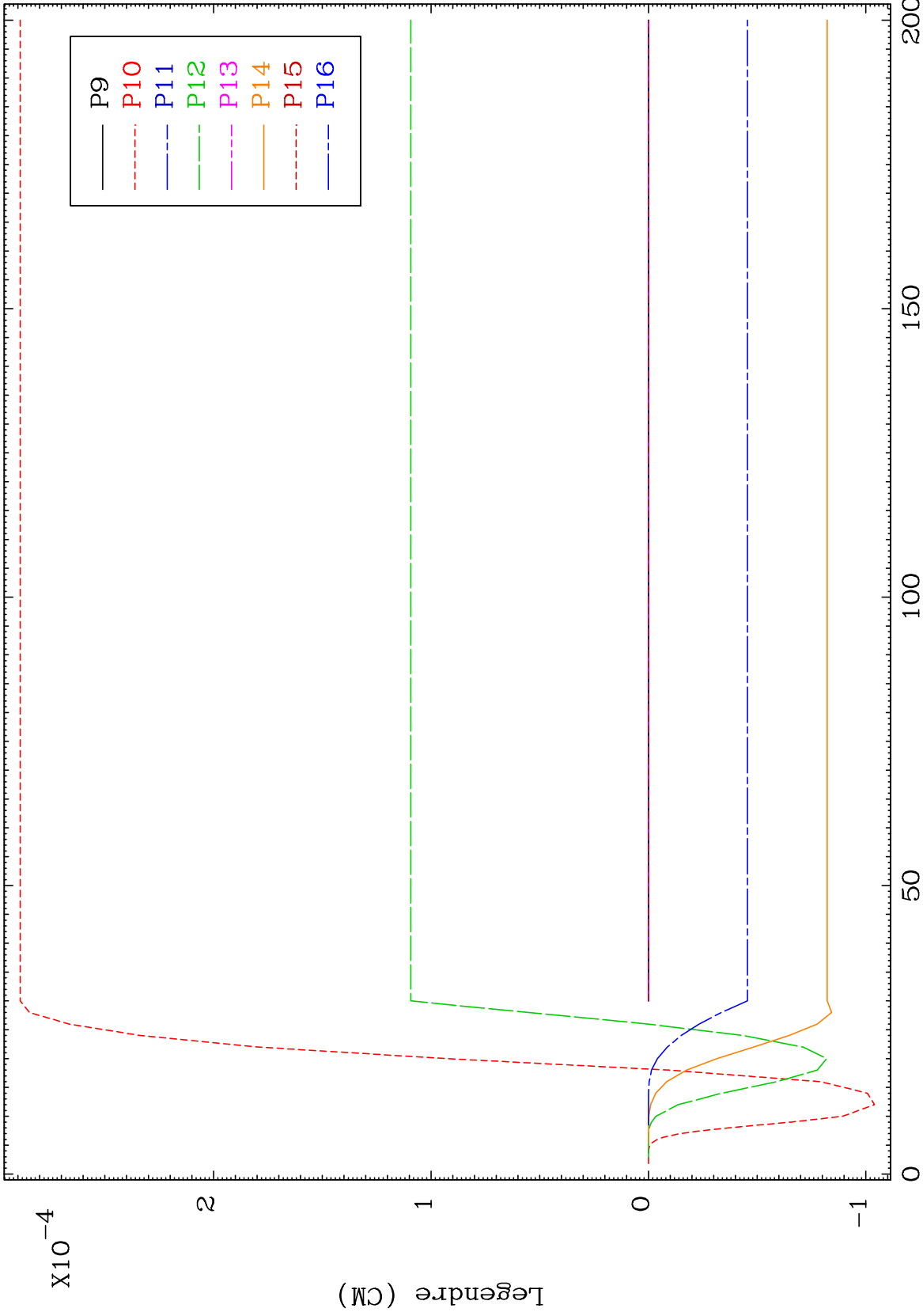
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



52

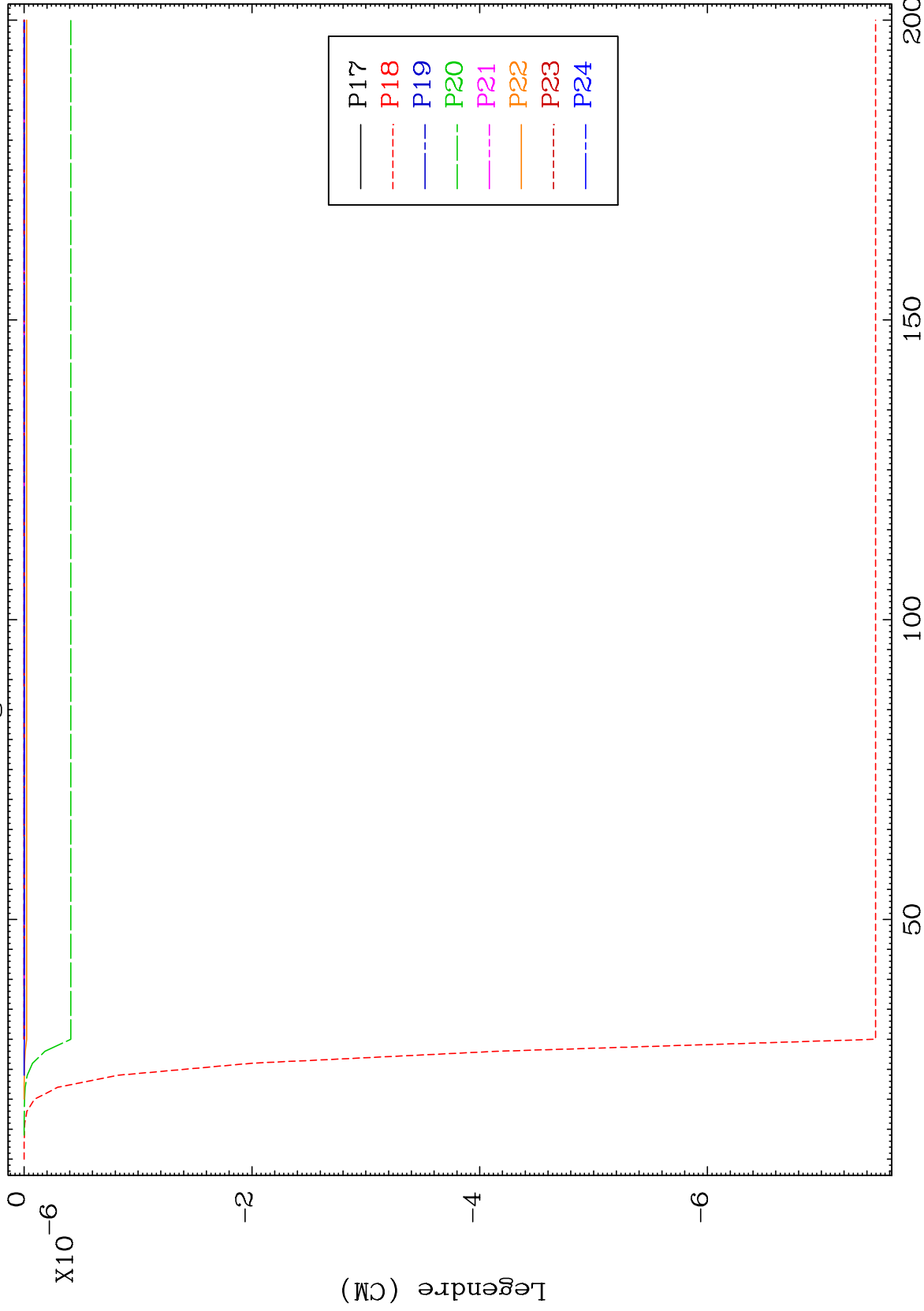
Incident Energy (MeV)

53-I -126

MAT 5322

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

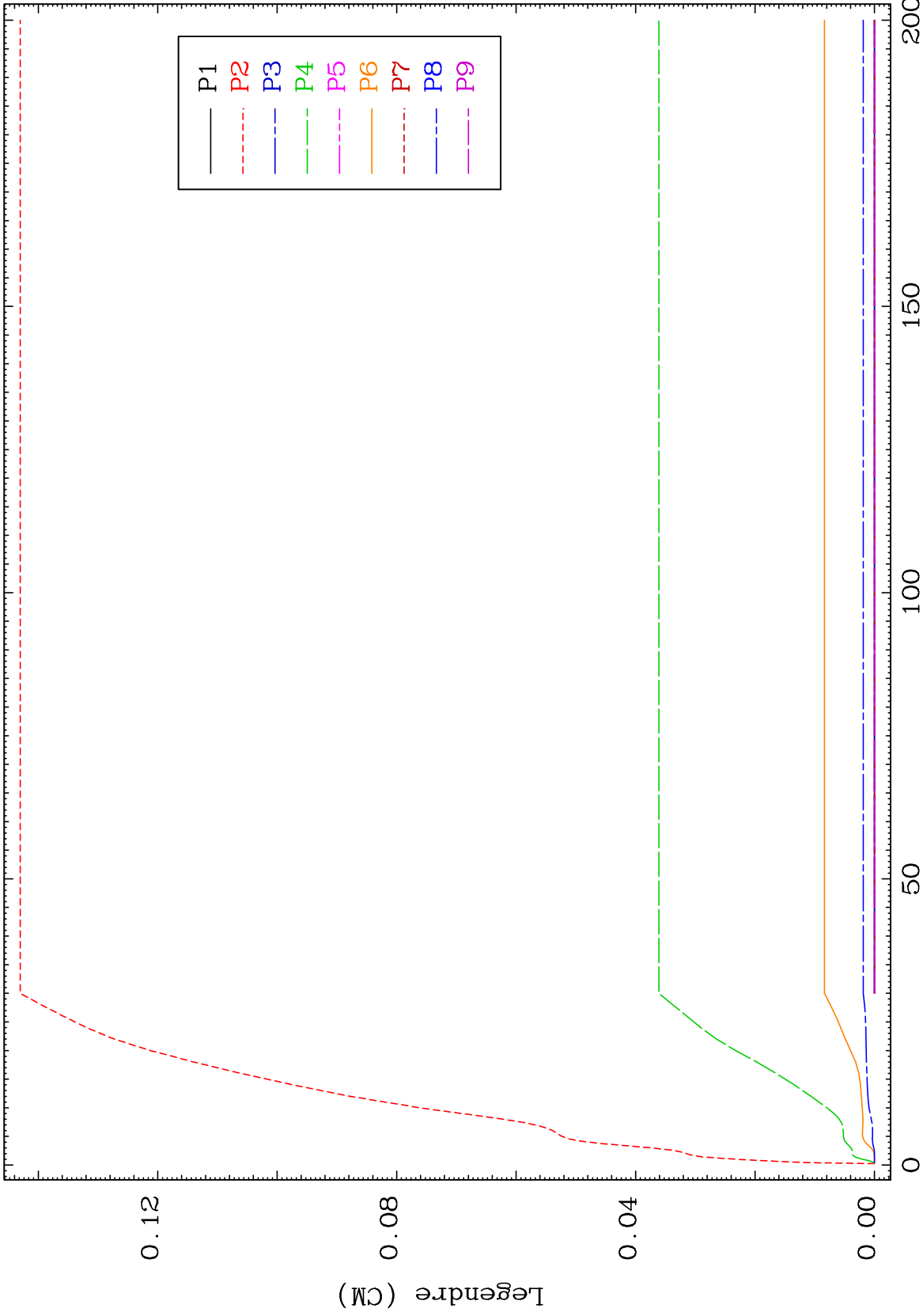
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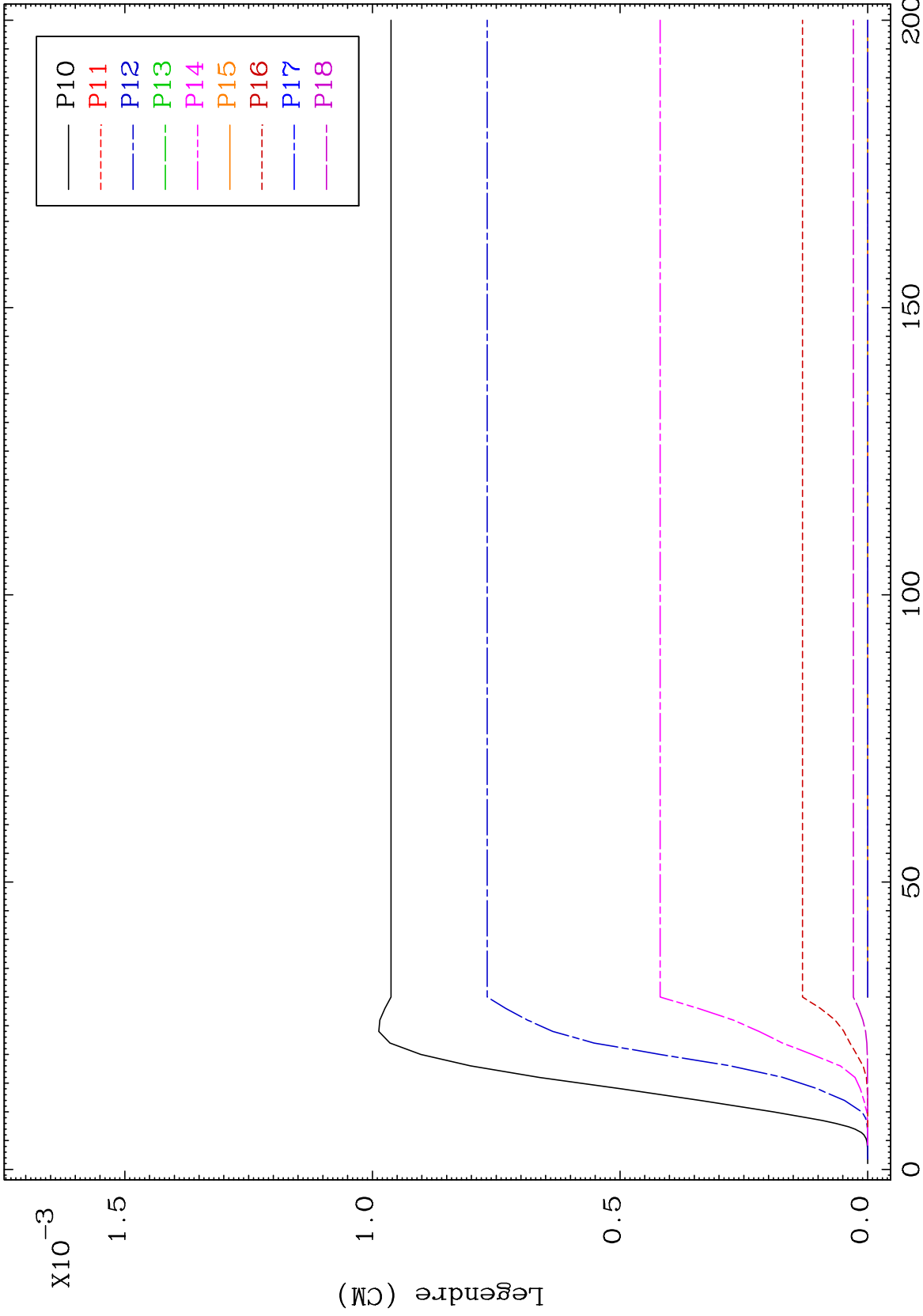


53

Incident Energy (MeV)

53-I -126

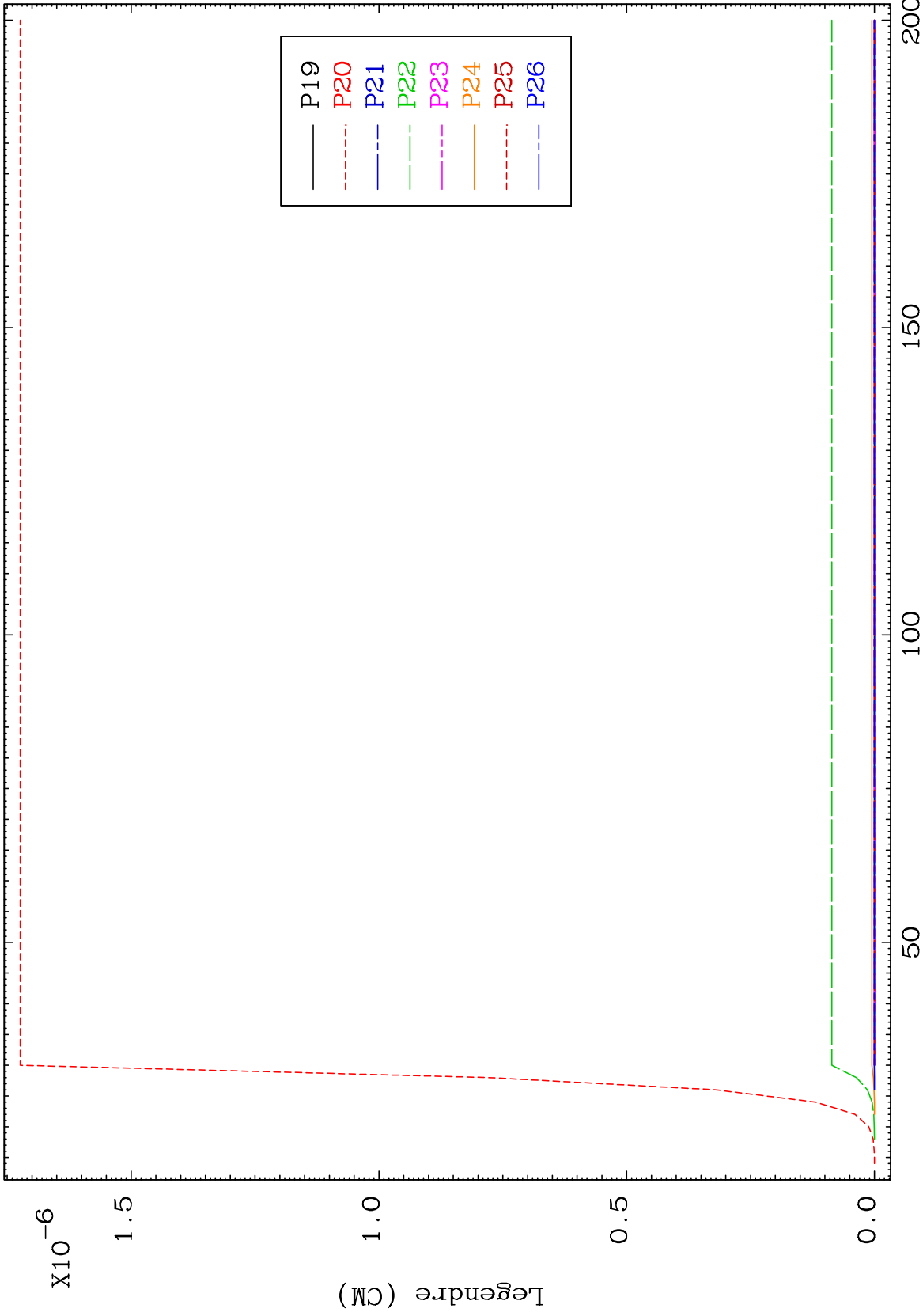




MAT 5322

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

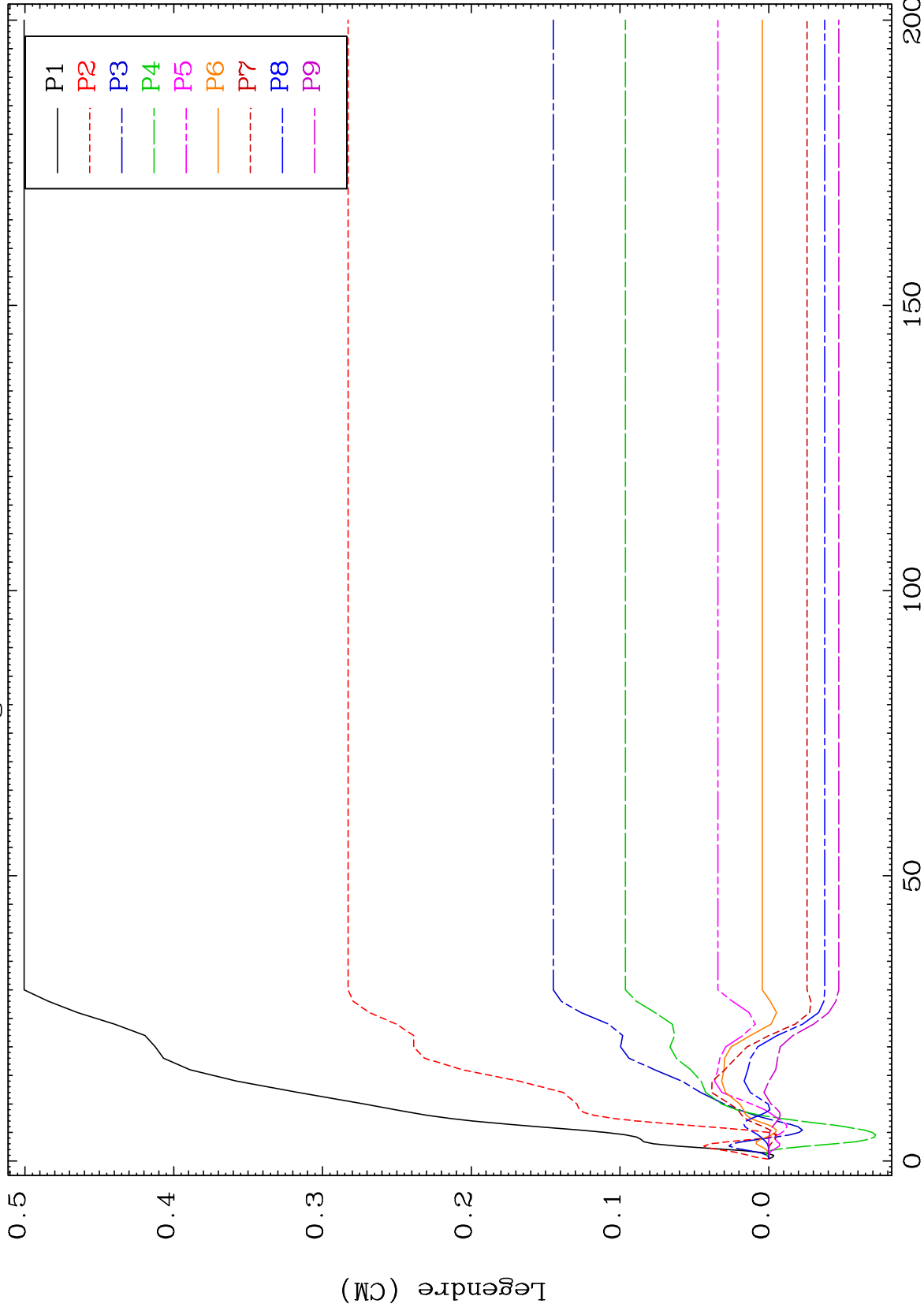
53-I -126



56

Incident Energy (MeV)

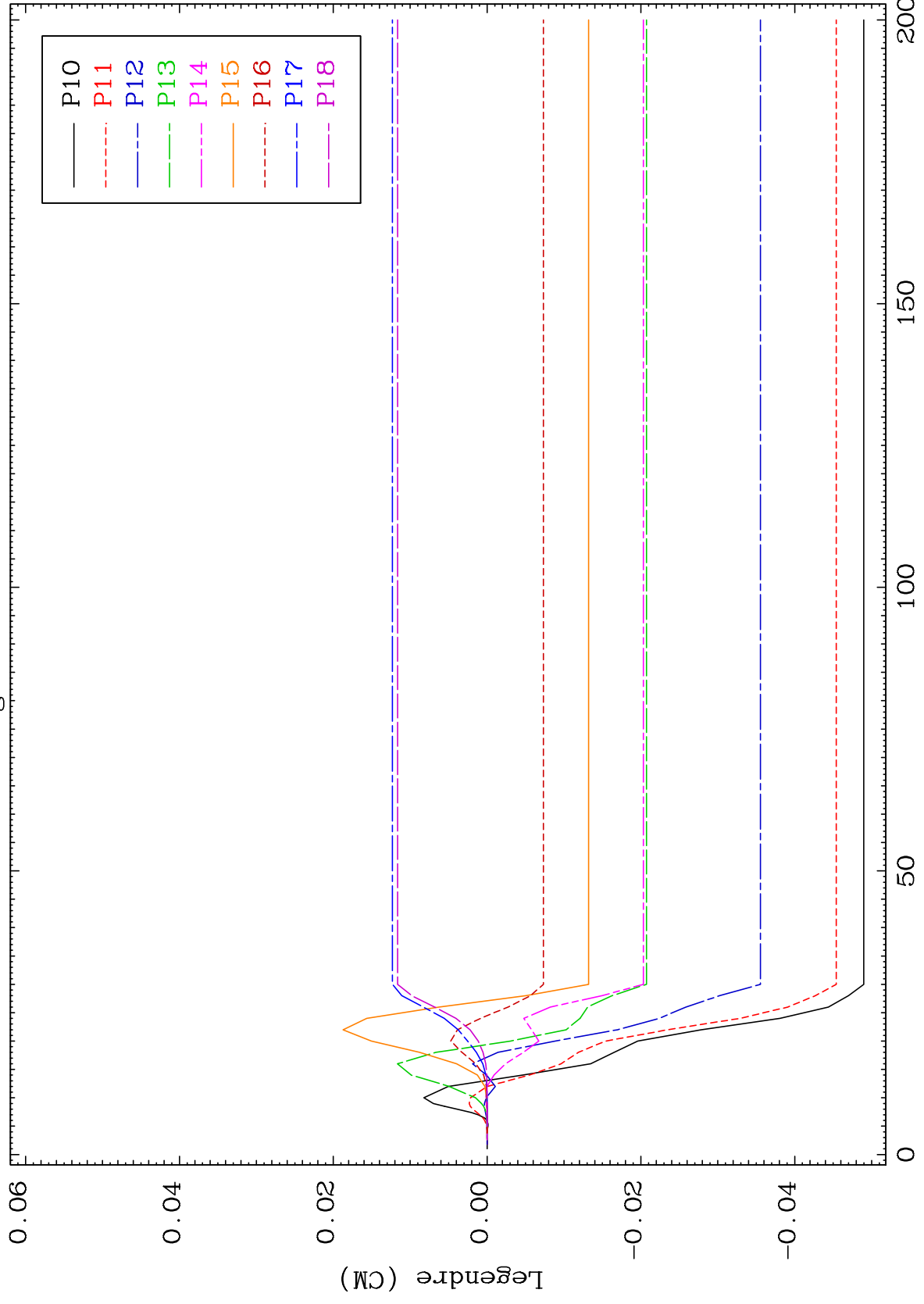
53-I -126



MAT 5322

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

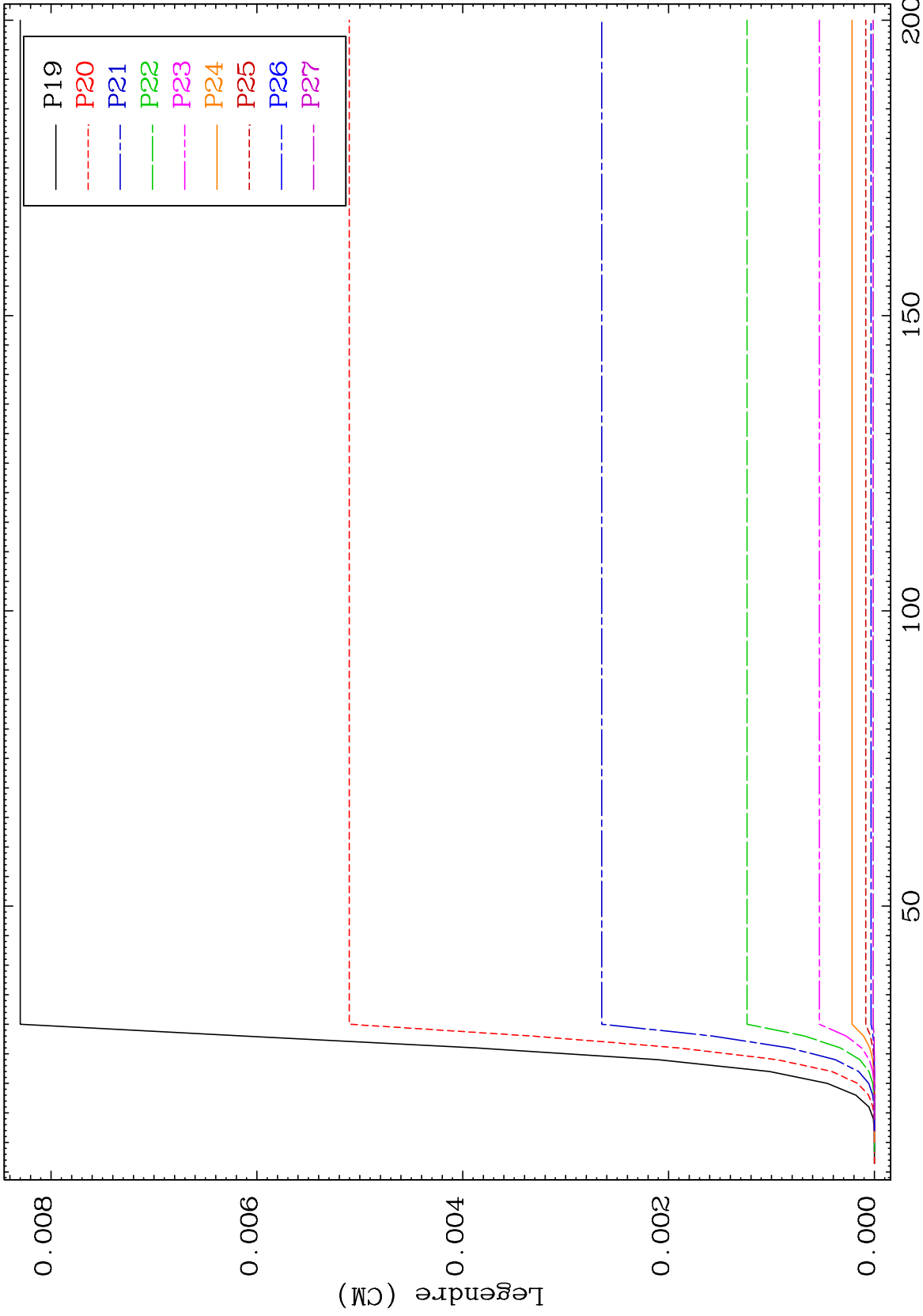
53-I -126



58

Incident Energy (MeV)

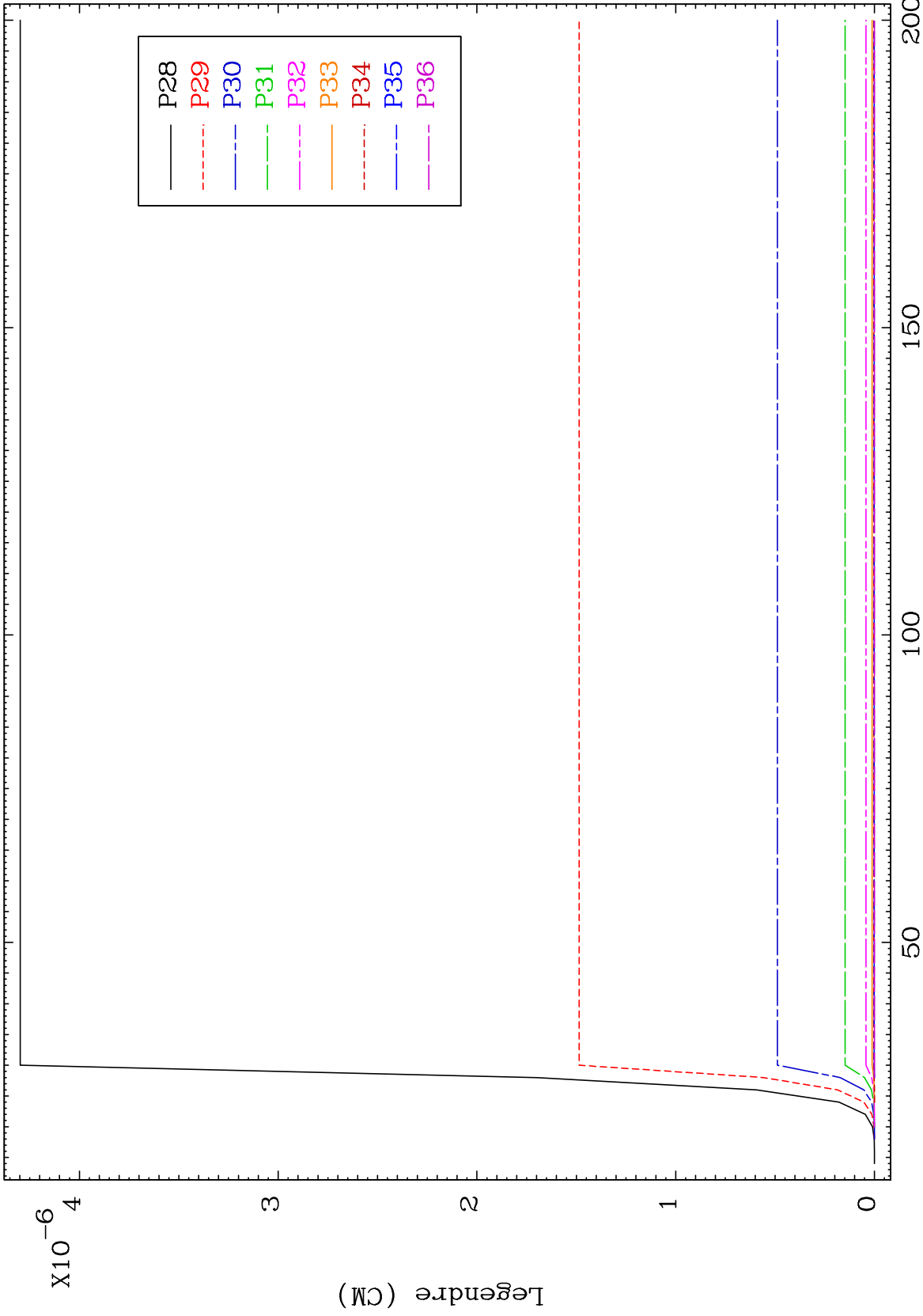
53-I -126



MAT 5322

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

53-I -126



60

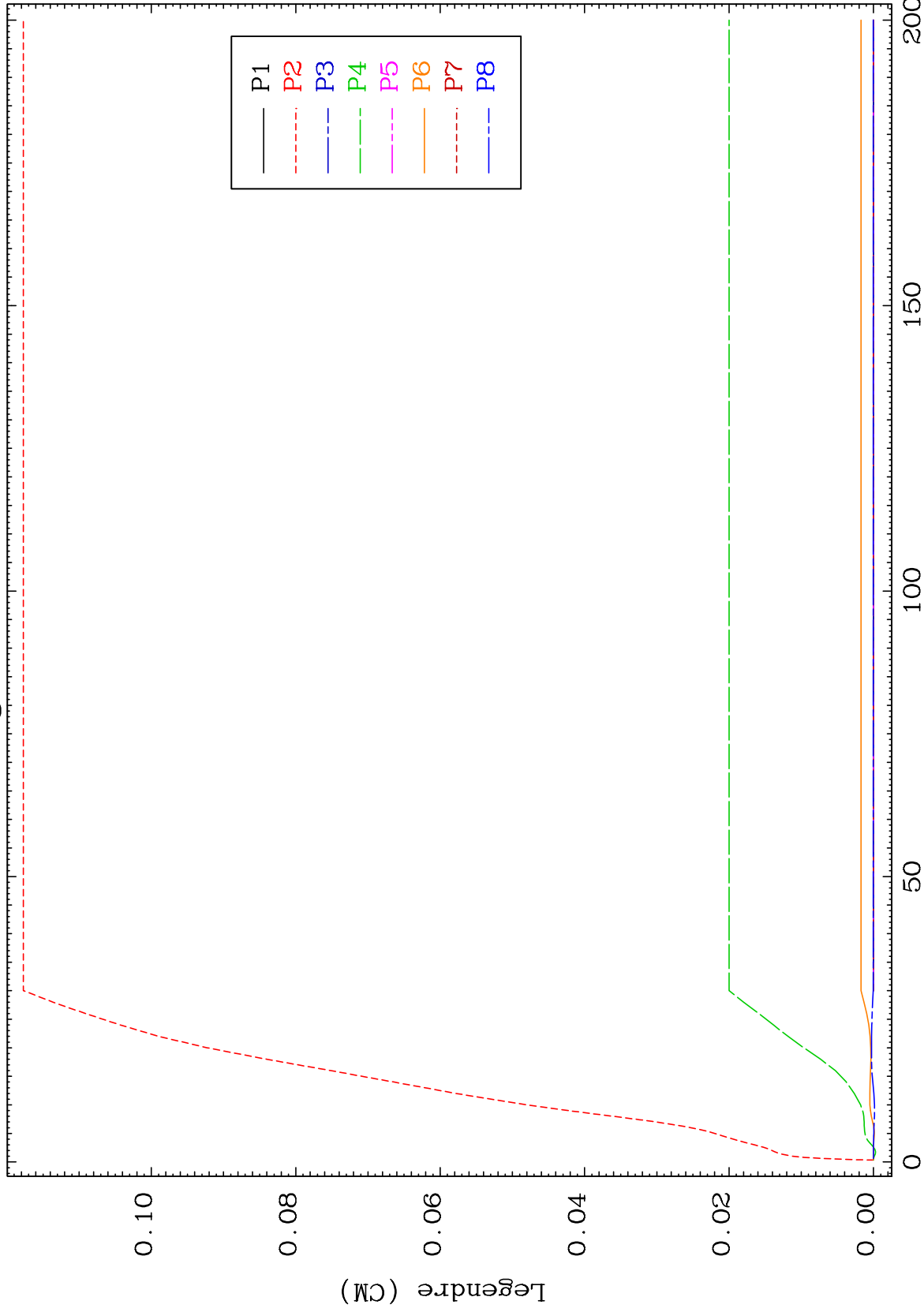
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



61

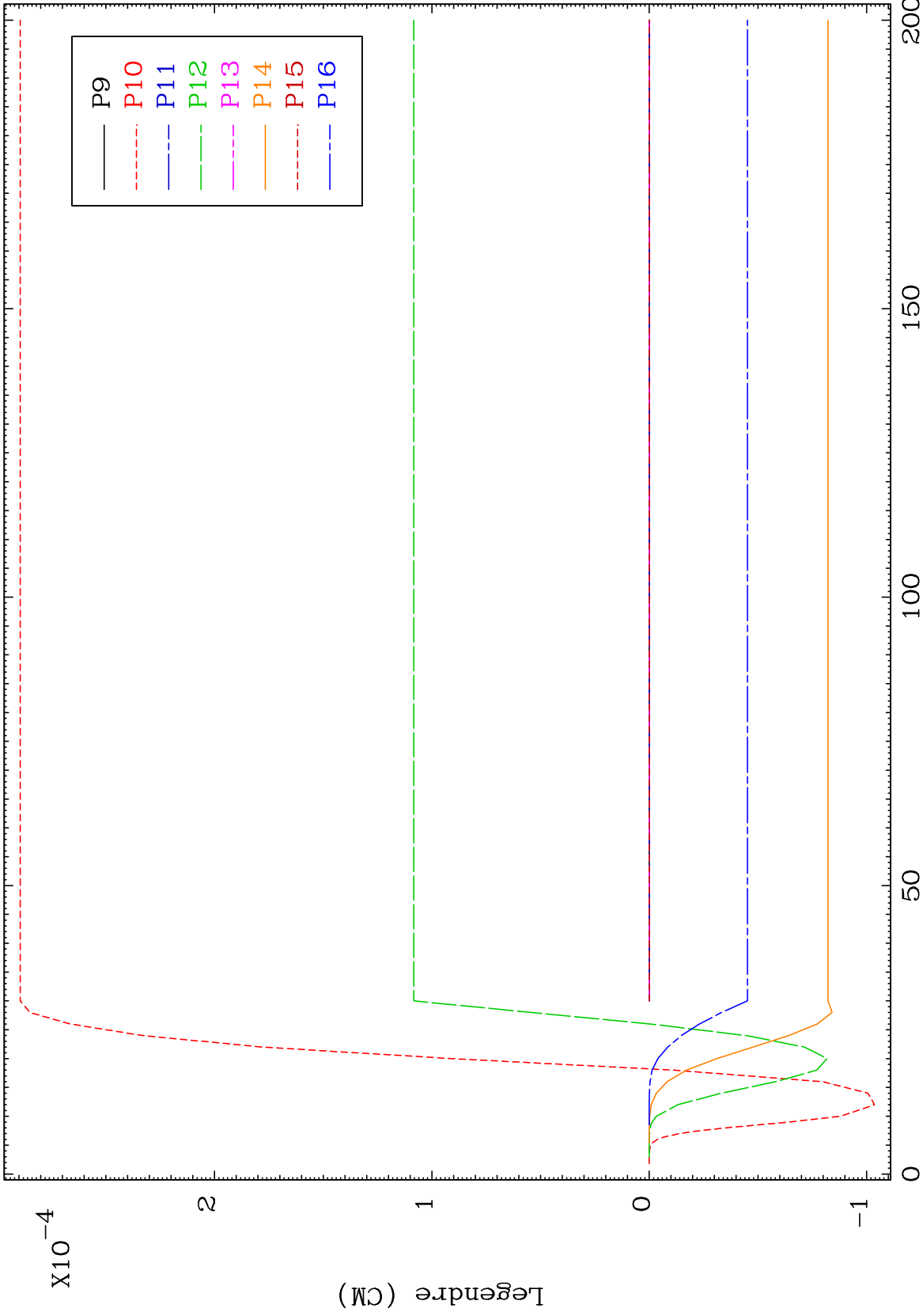
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



62

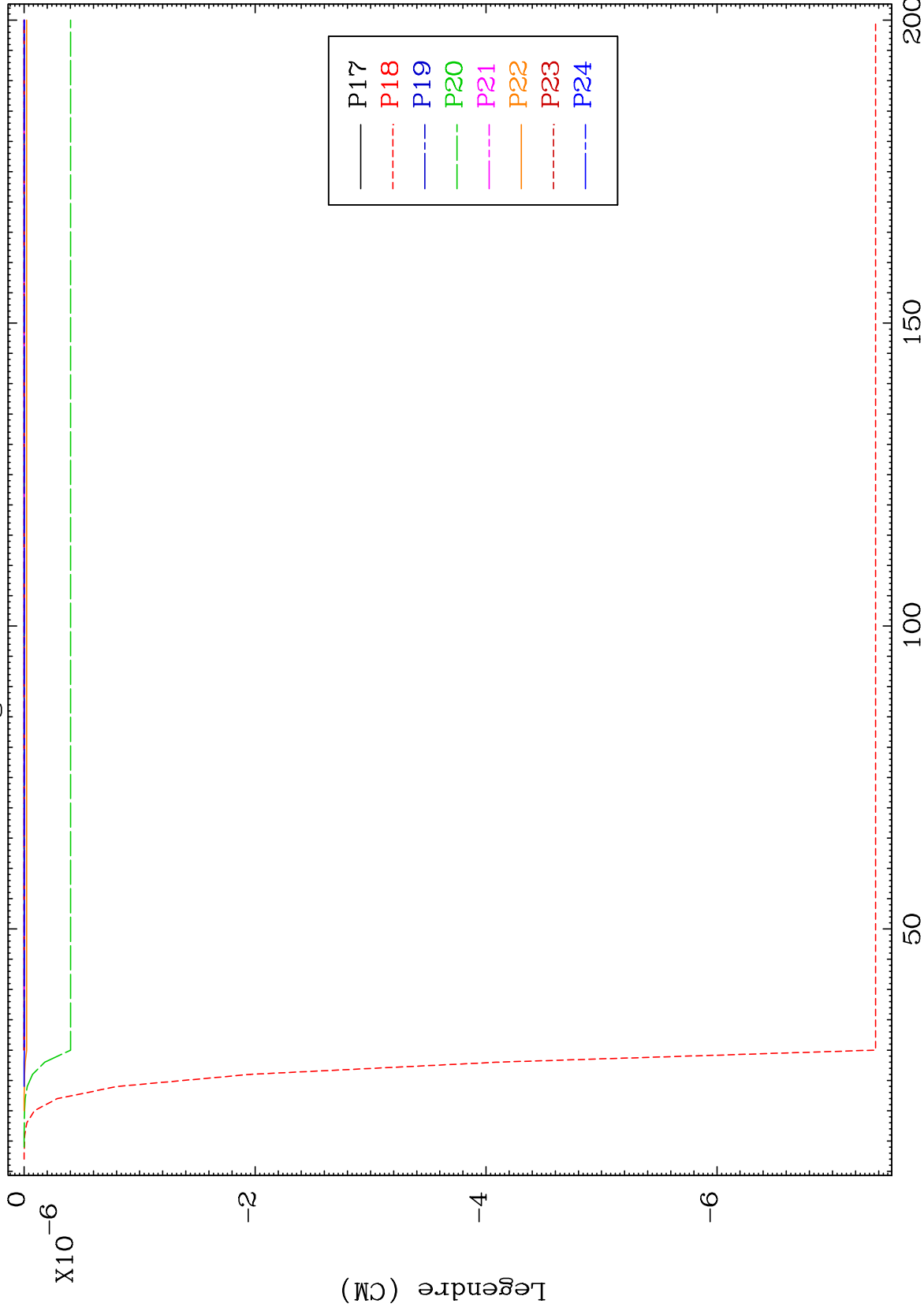
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



63

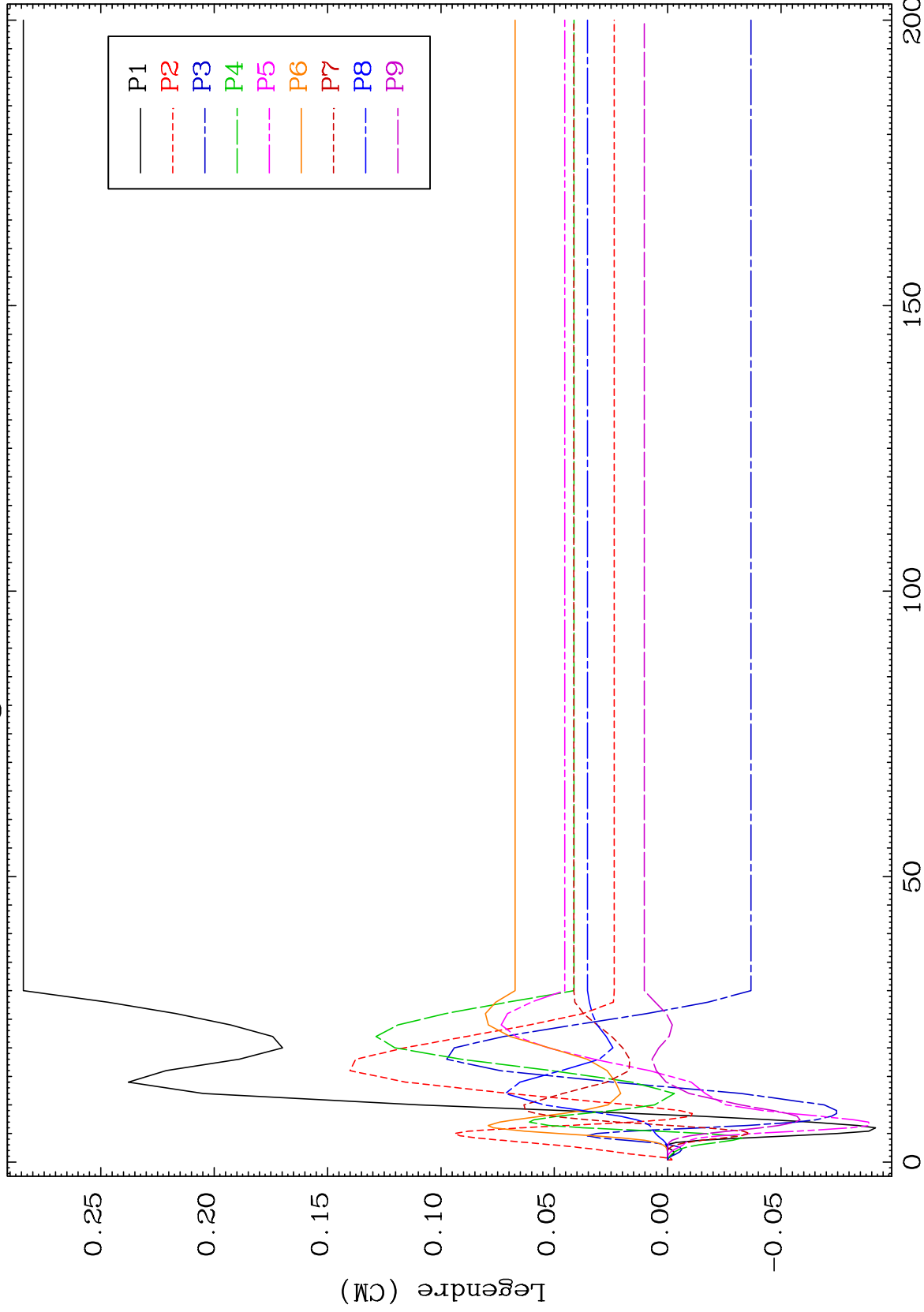
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



64

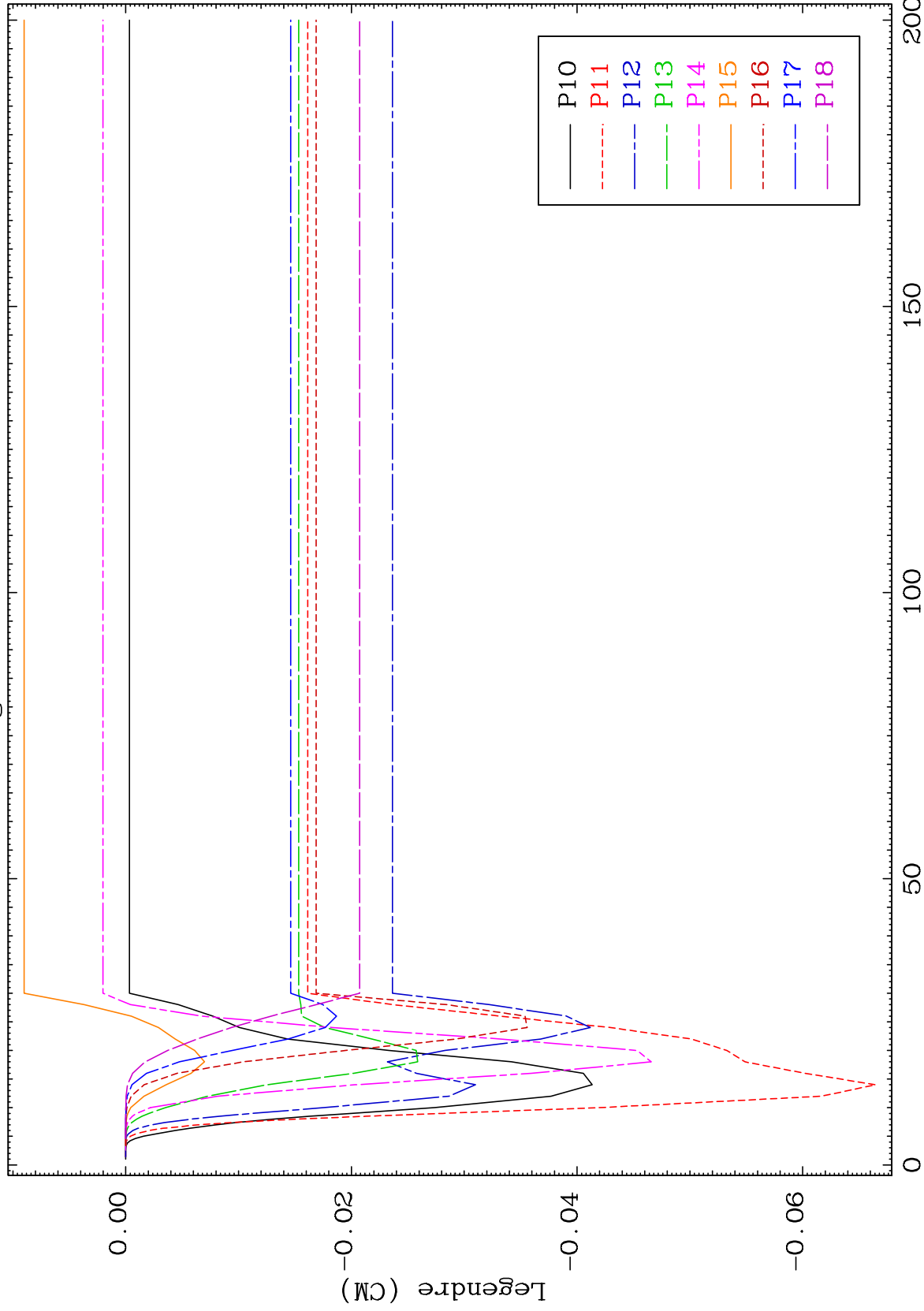
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



65

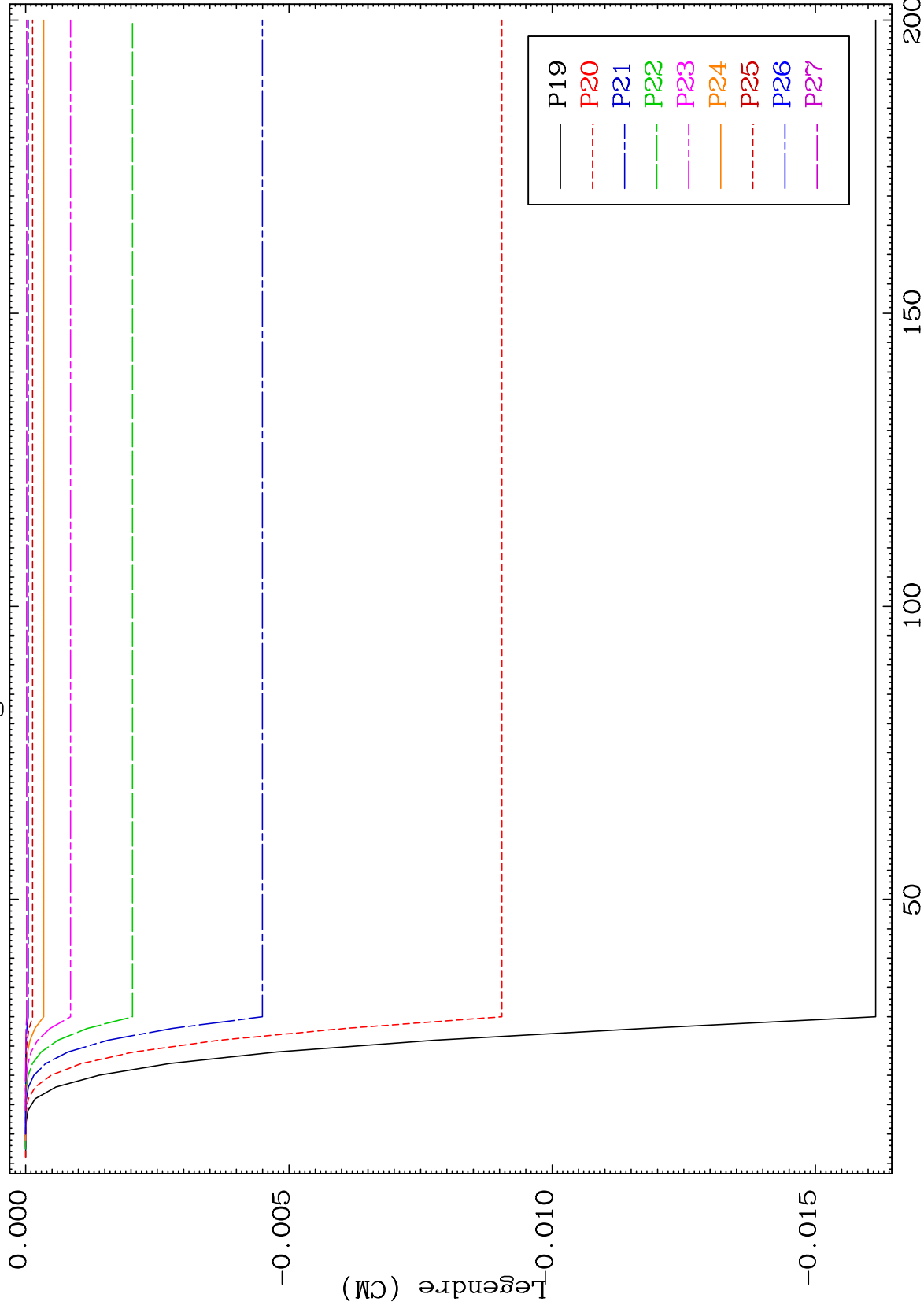
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



66

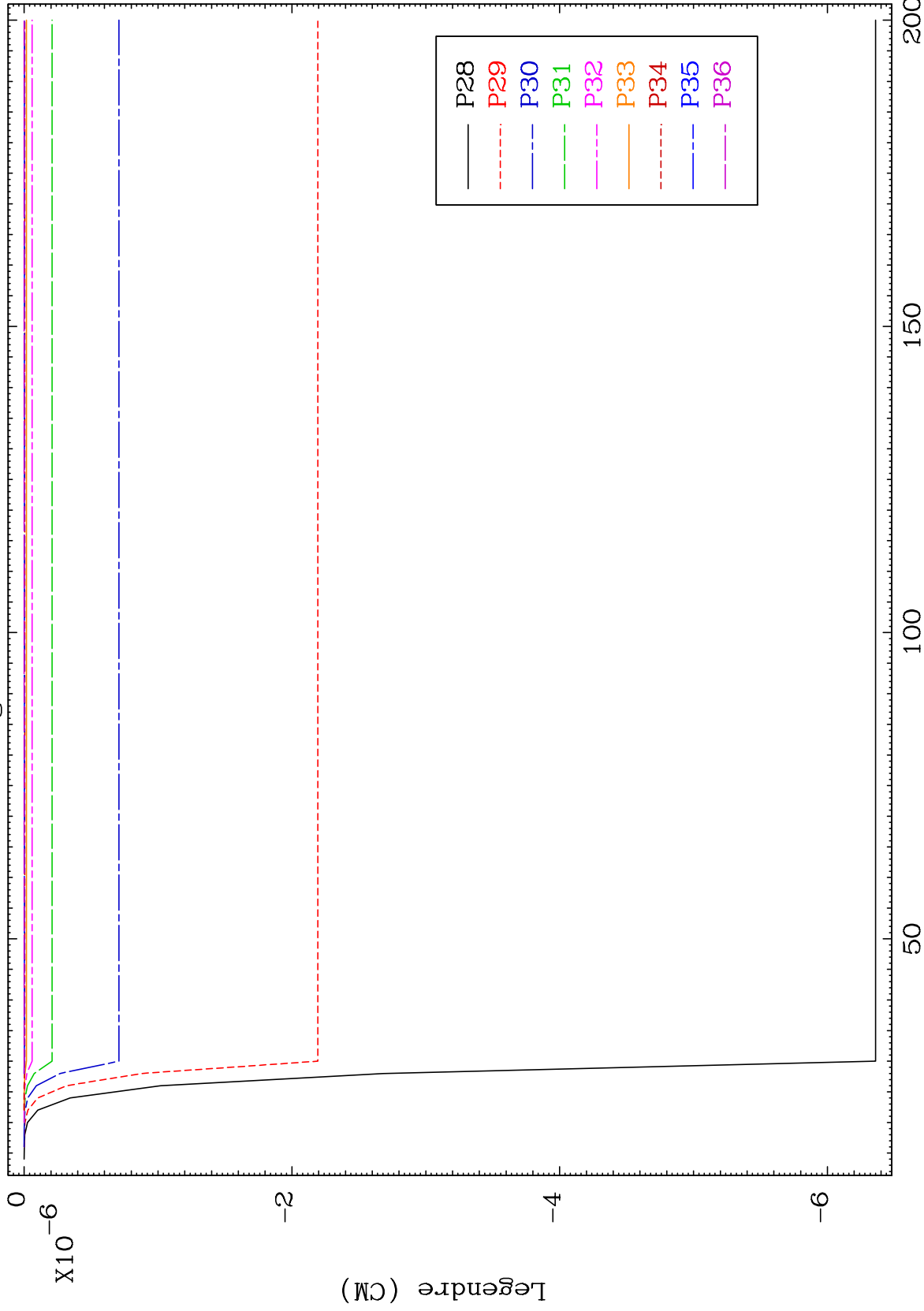
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



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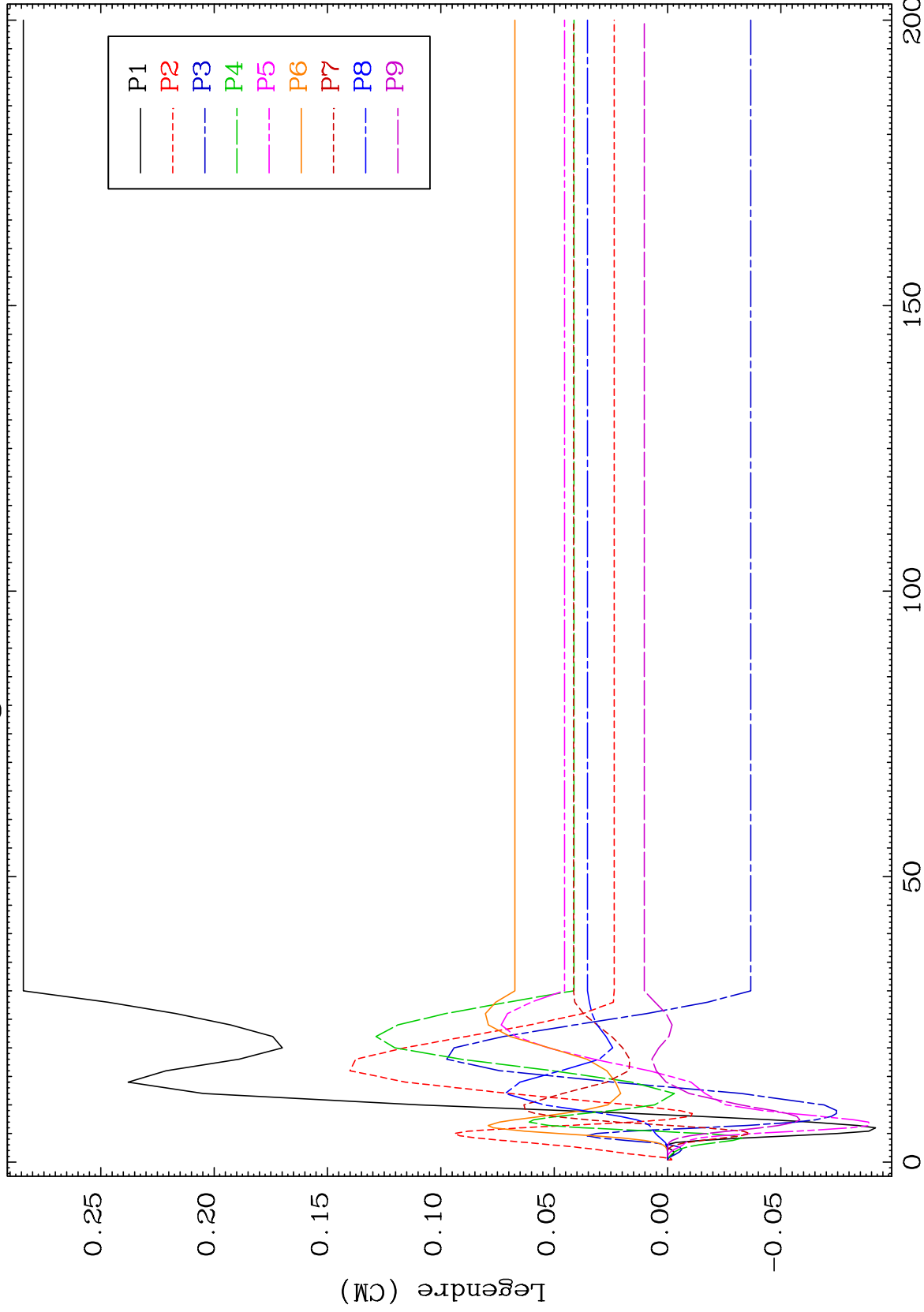
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



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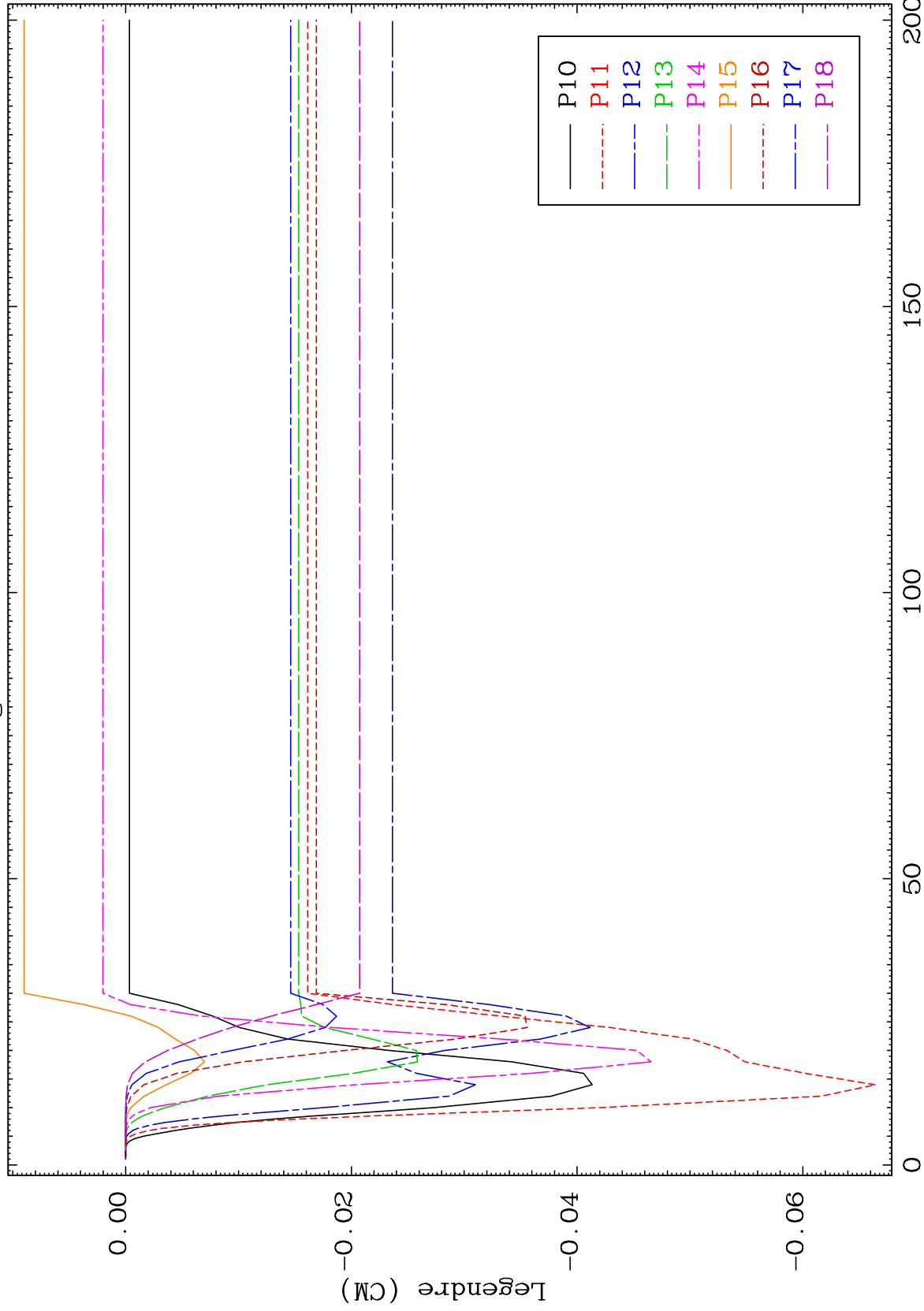
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126

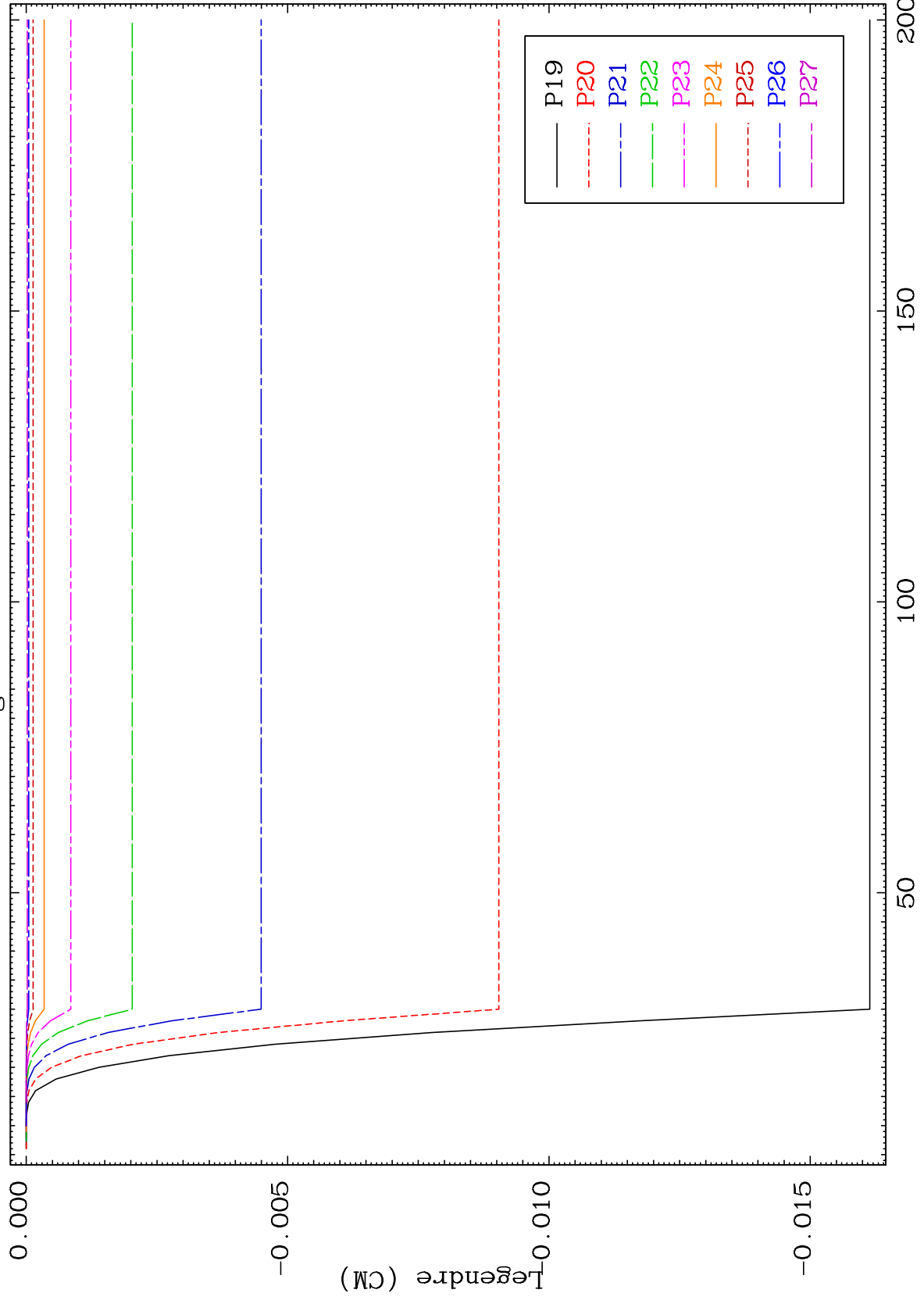


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Incident Energy (MeV)

53-I -126

MAT 5322 MT= 65 (n,n') Level Legendre Coefficients 53-I -126

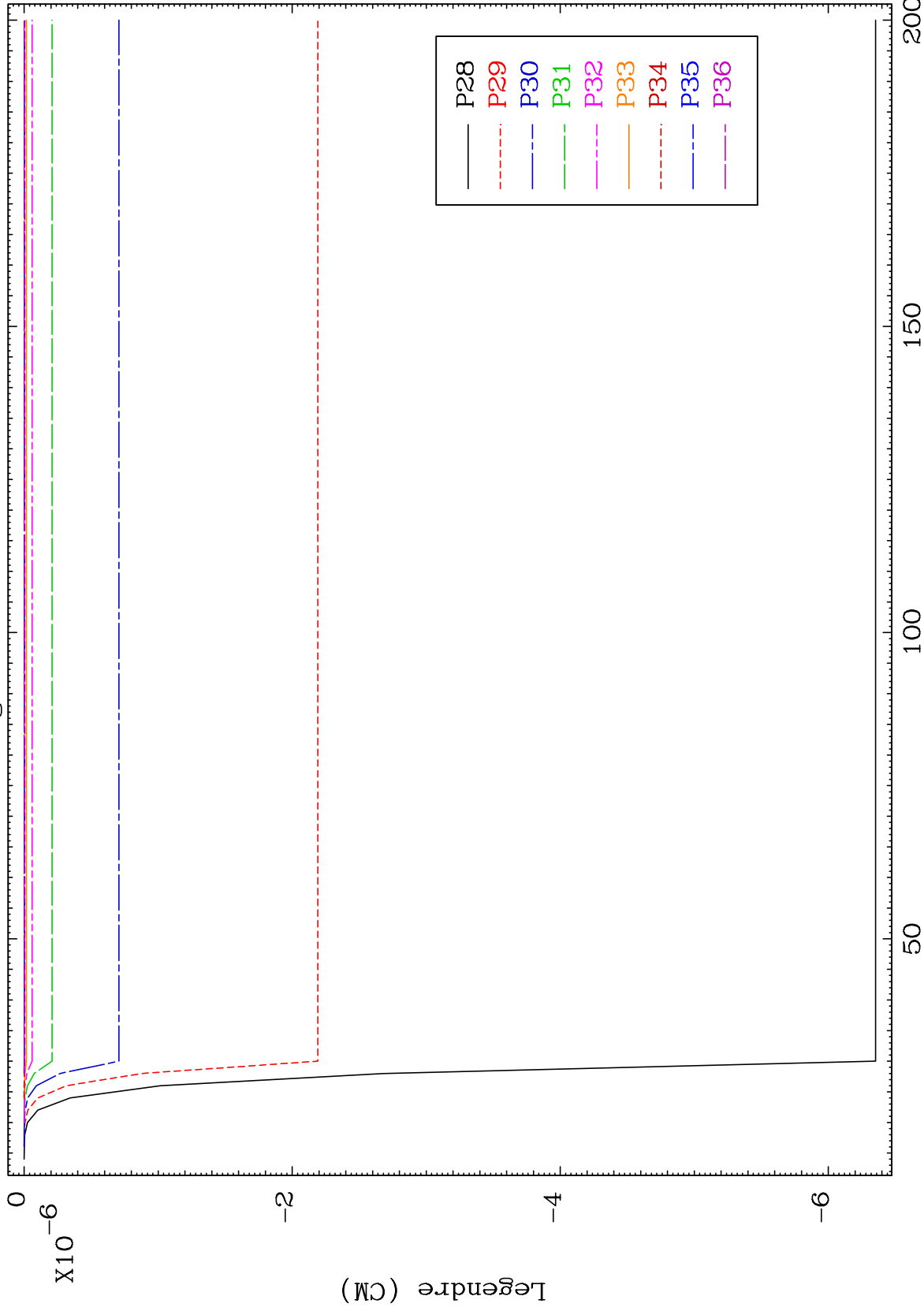


70 Incident Energy (MeV) 53-I -126

MAT 5322

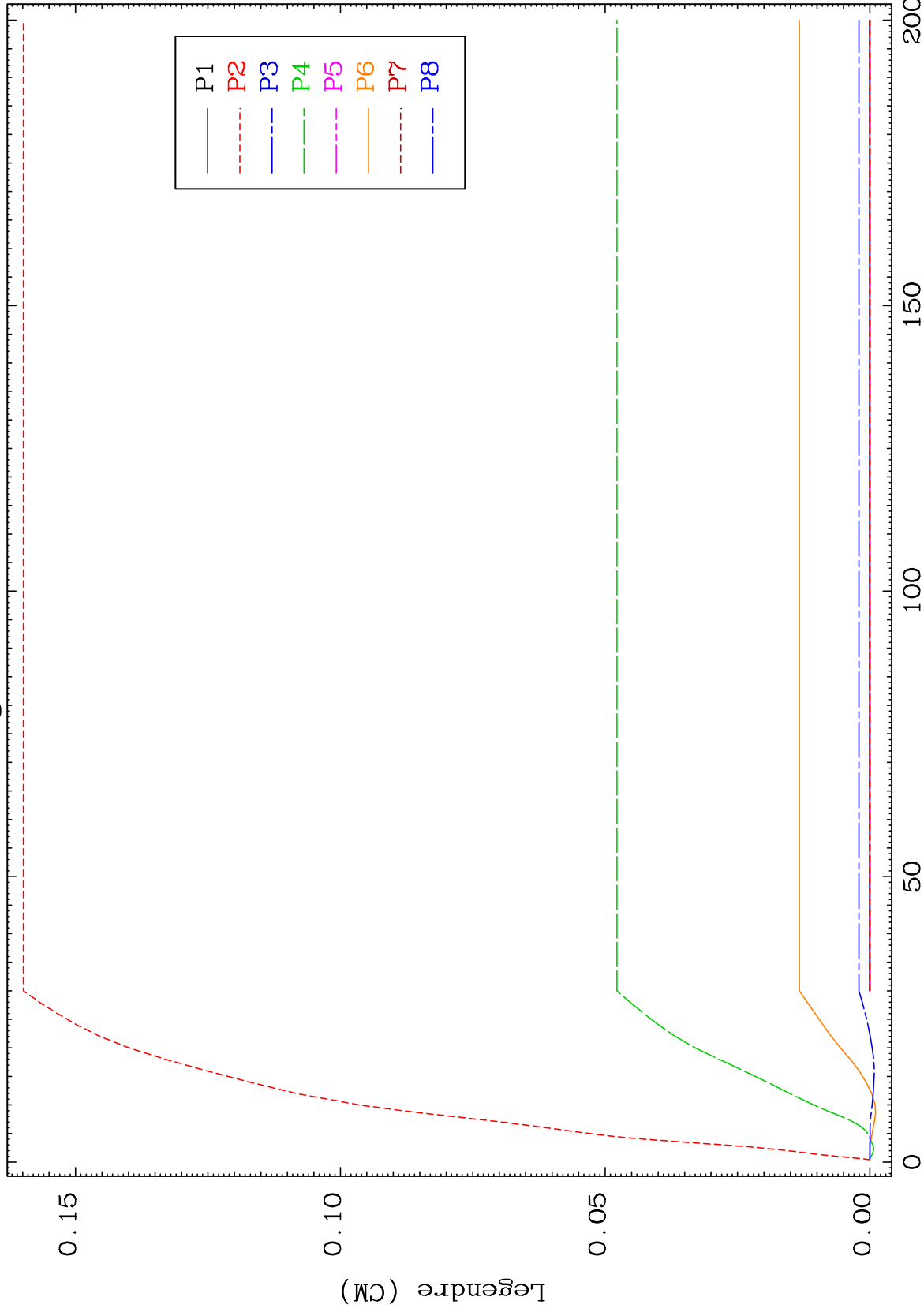
MT= 65 (n,n') Level
Legendre Coefficients

53-I -126



71

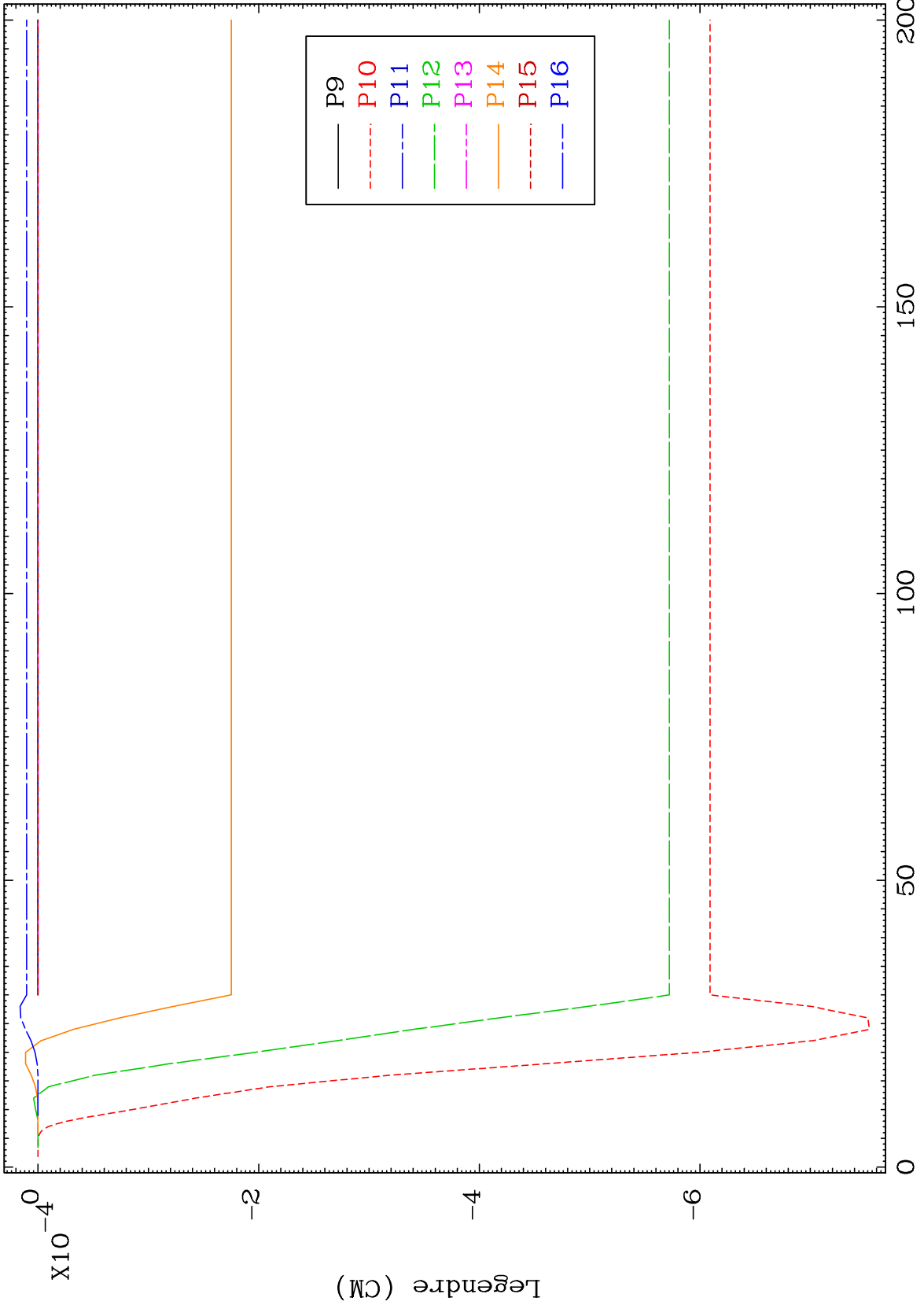
53-I -126



MAT 5322

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

53-I -126



73

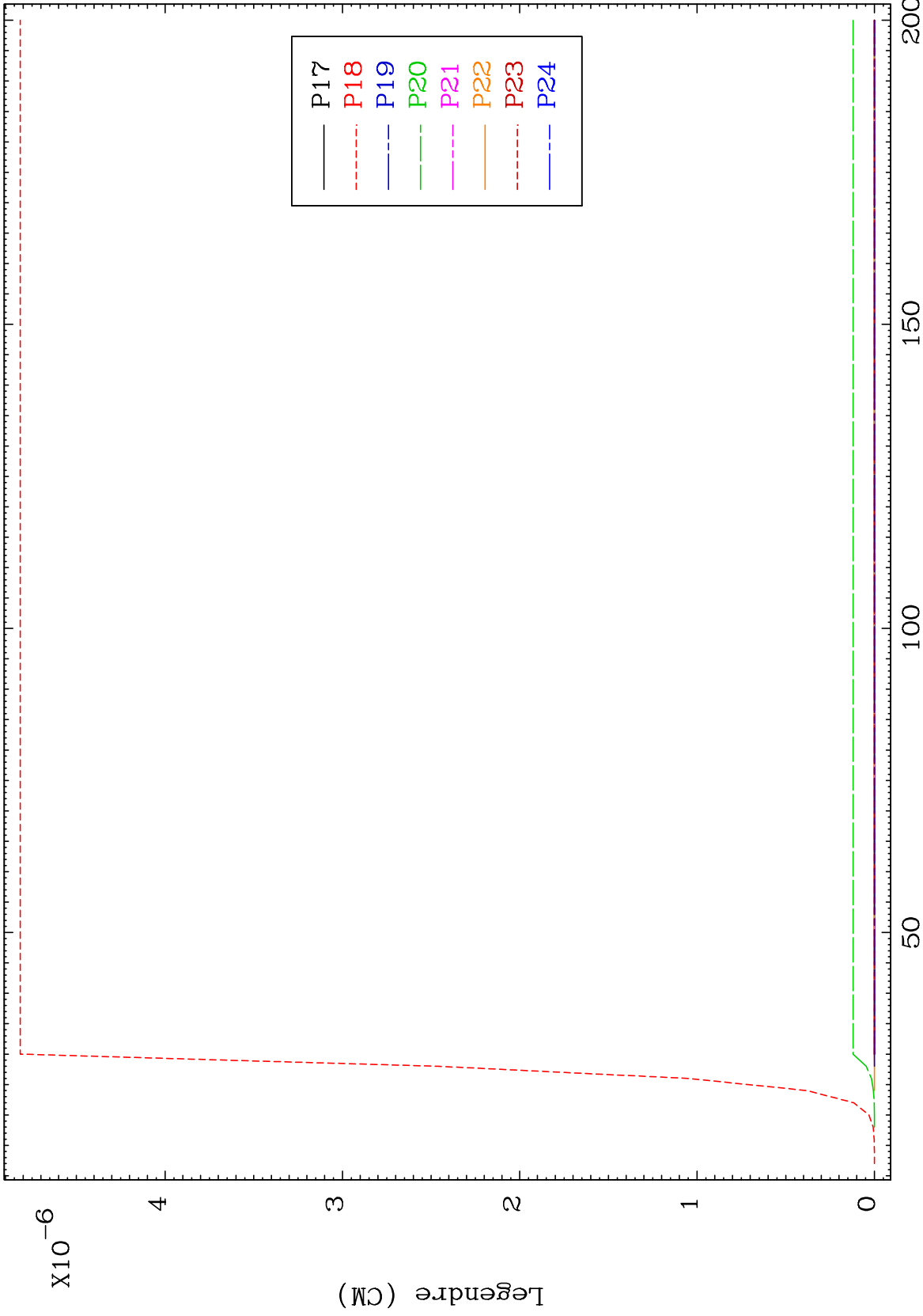
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



74

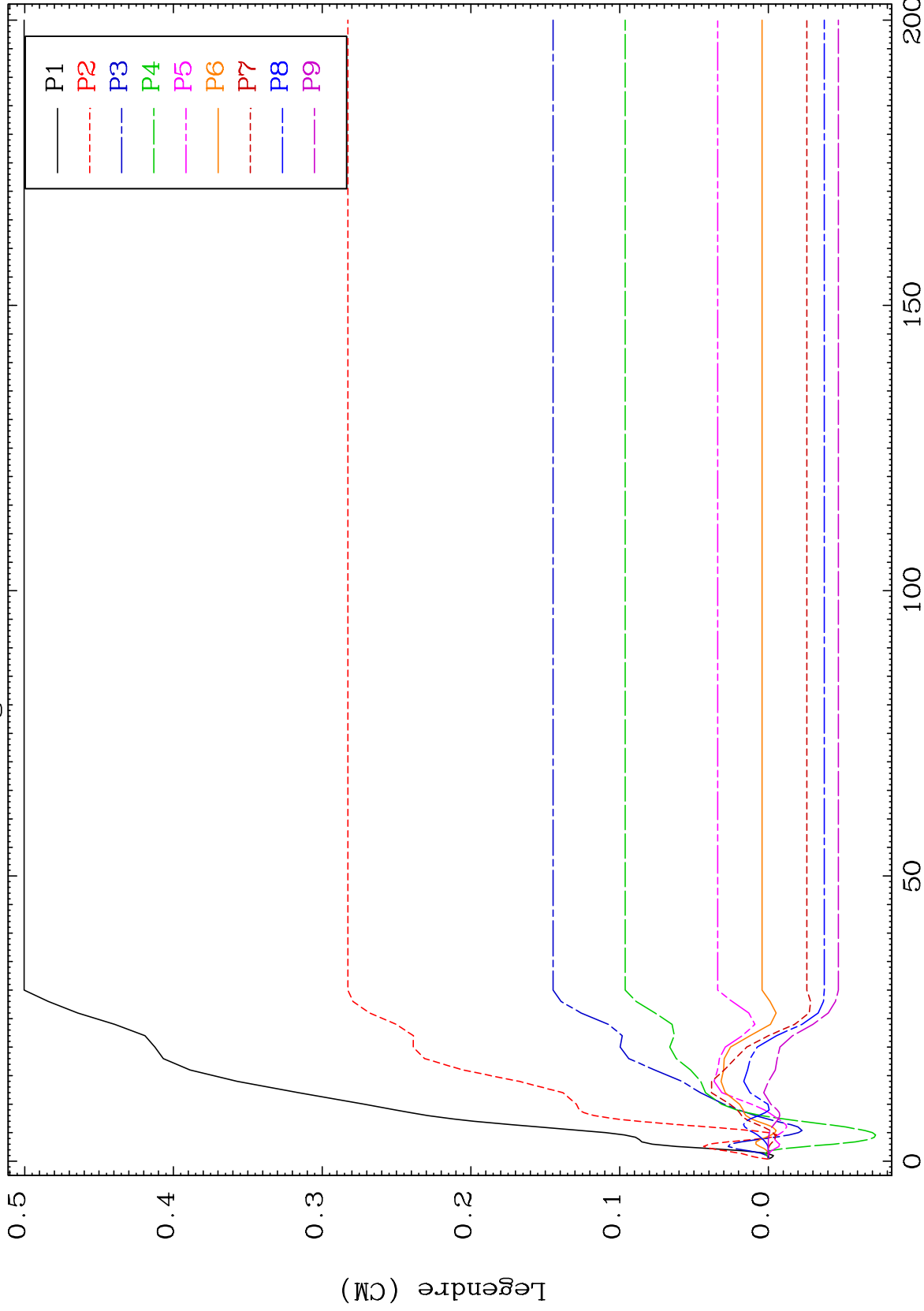
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



75

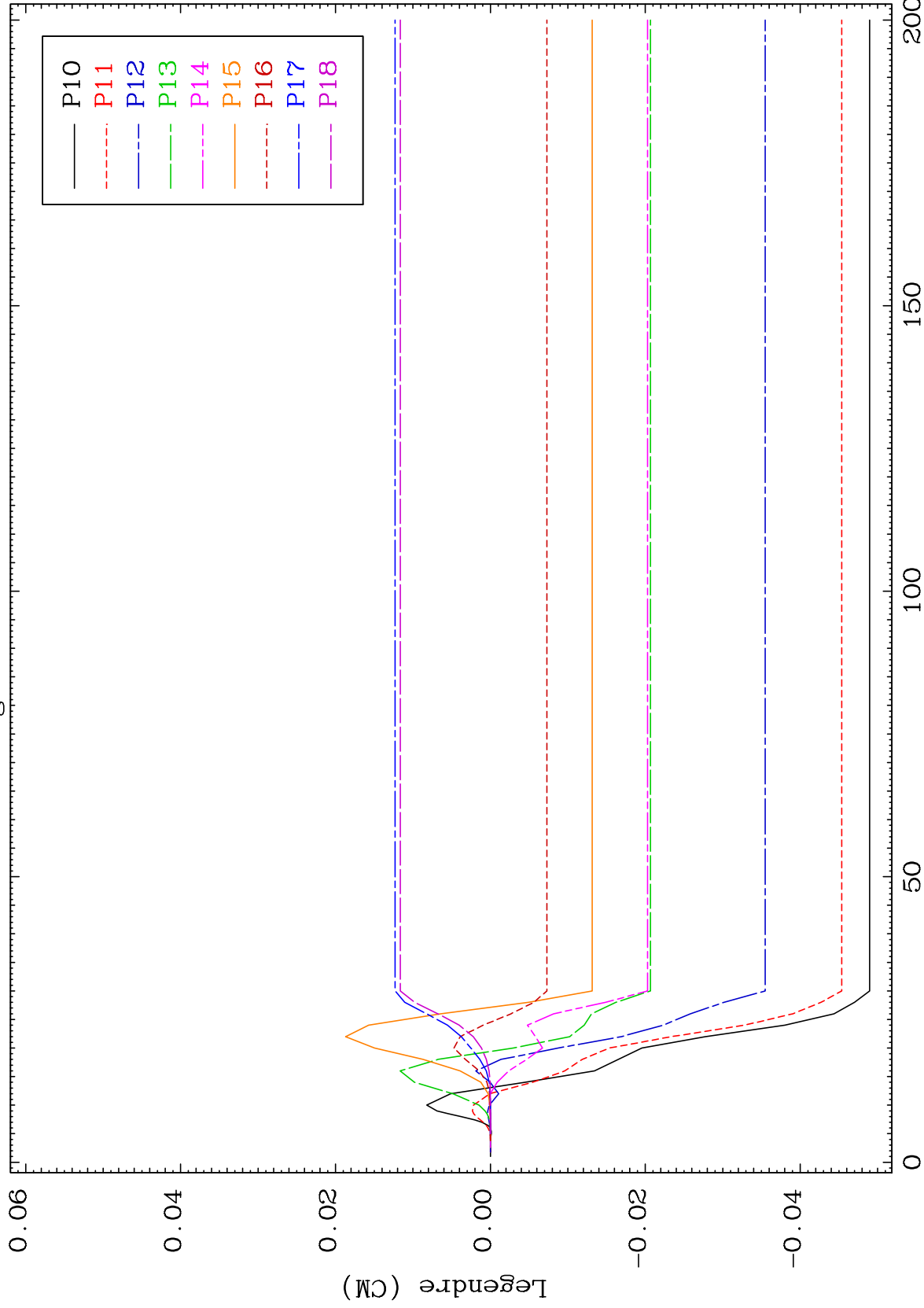
Incident Energy (MeV)

53-I -126

MAT 5322

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

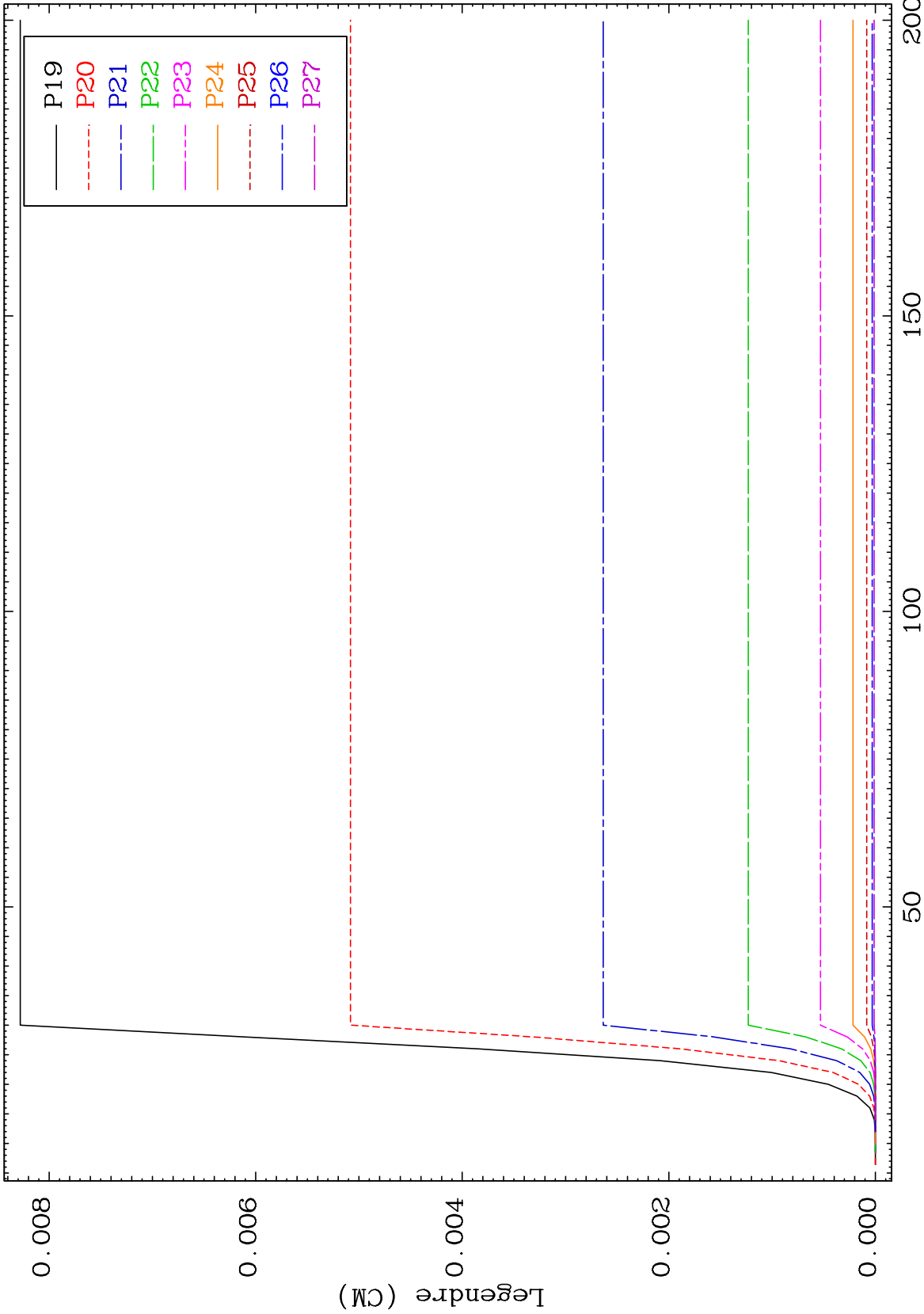
53-I -126



76

Incident Energy (MeV)

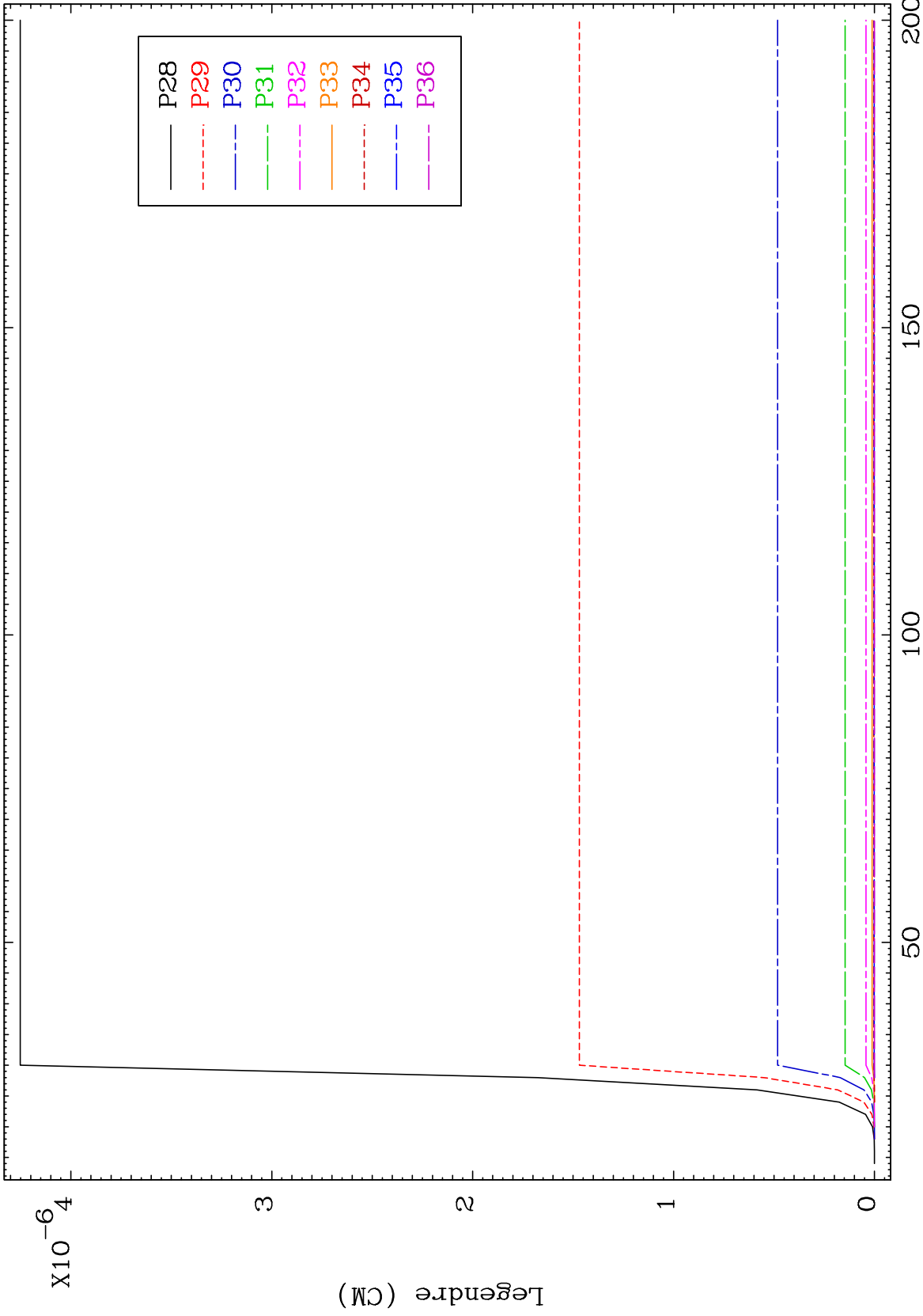
53-I -126



MAT 5322

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

53-I -126



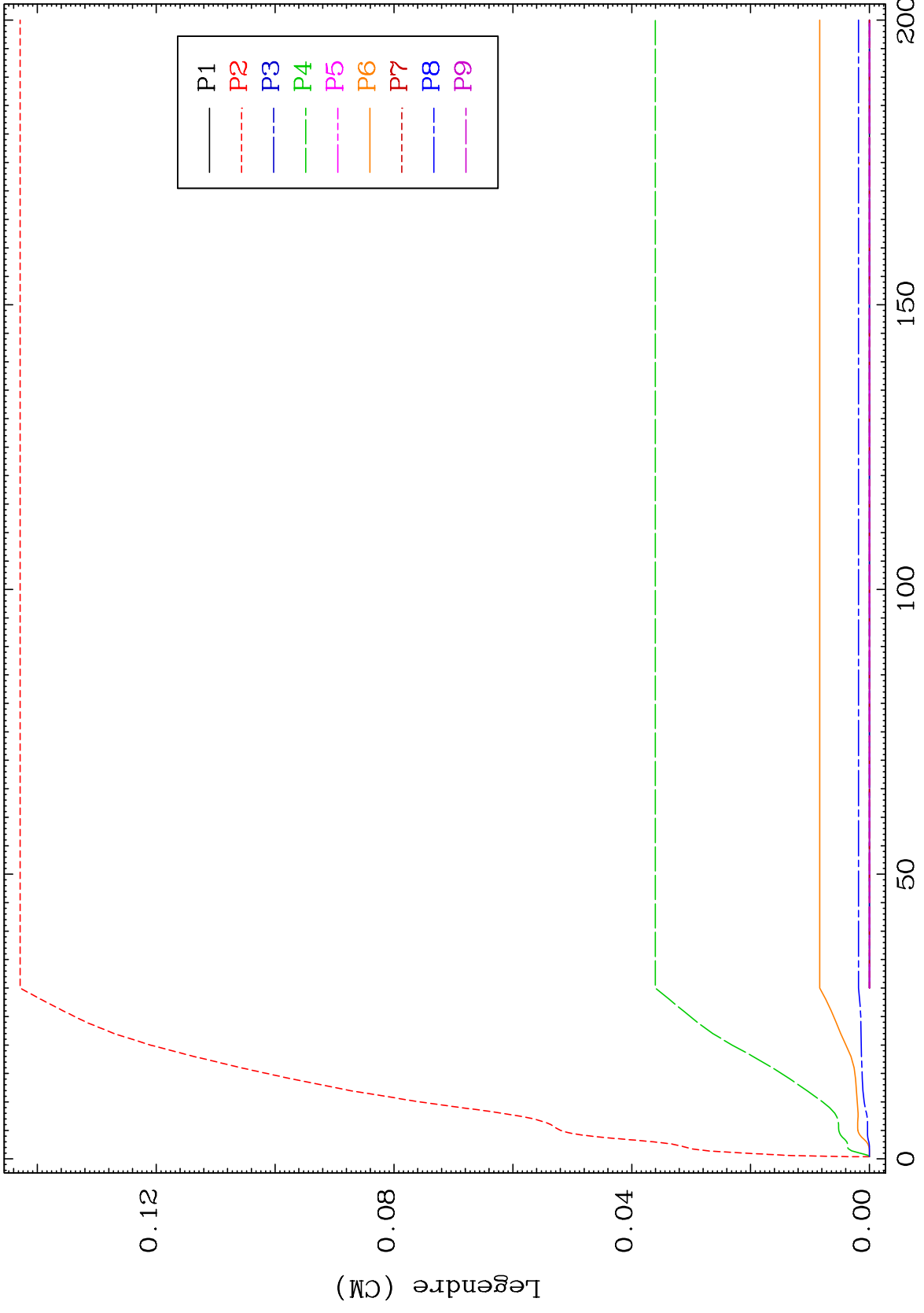
78

53-I -126

MAT 5322

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

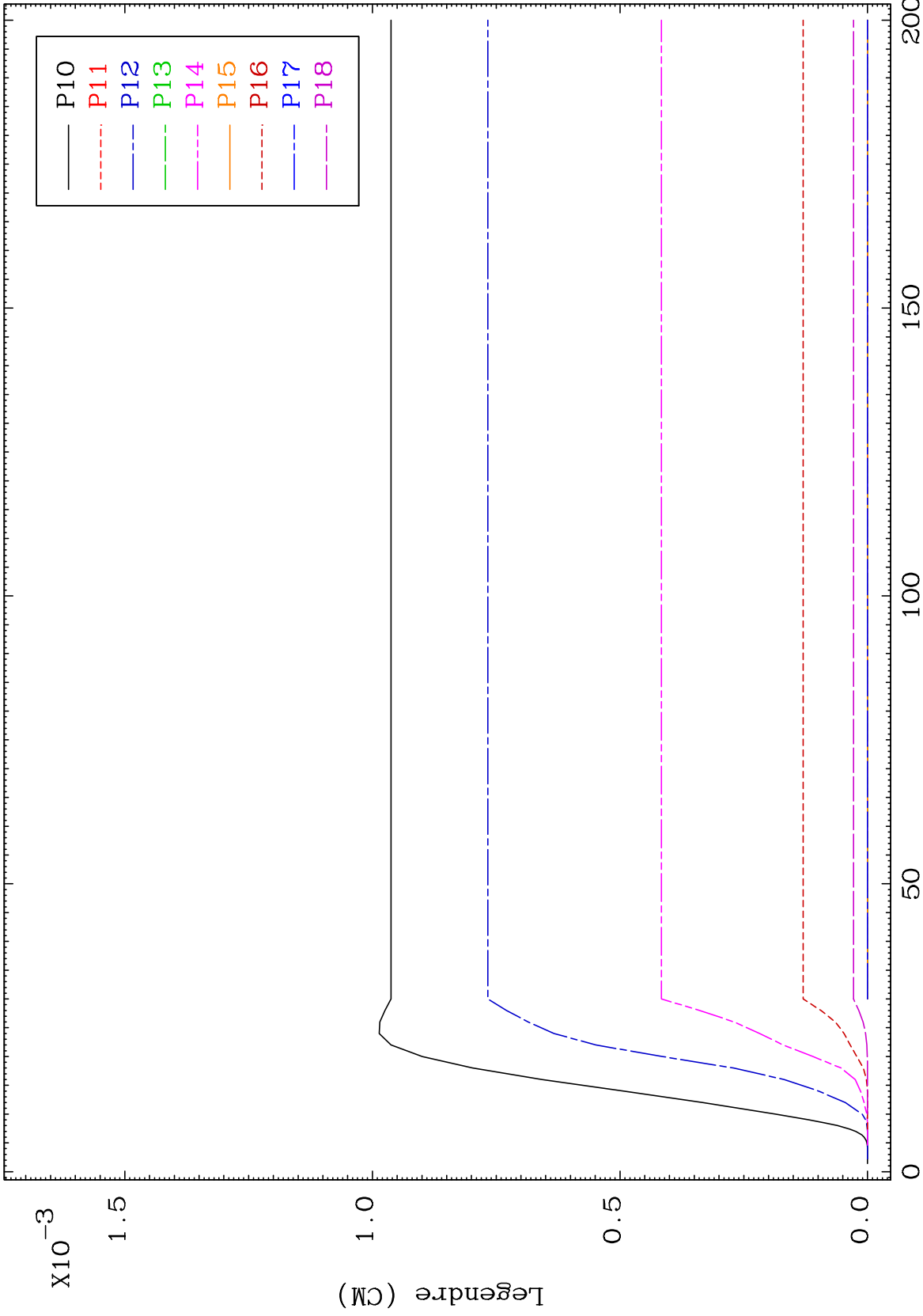
53-I -126



79

Incident Energy (MeV)

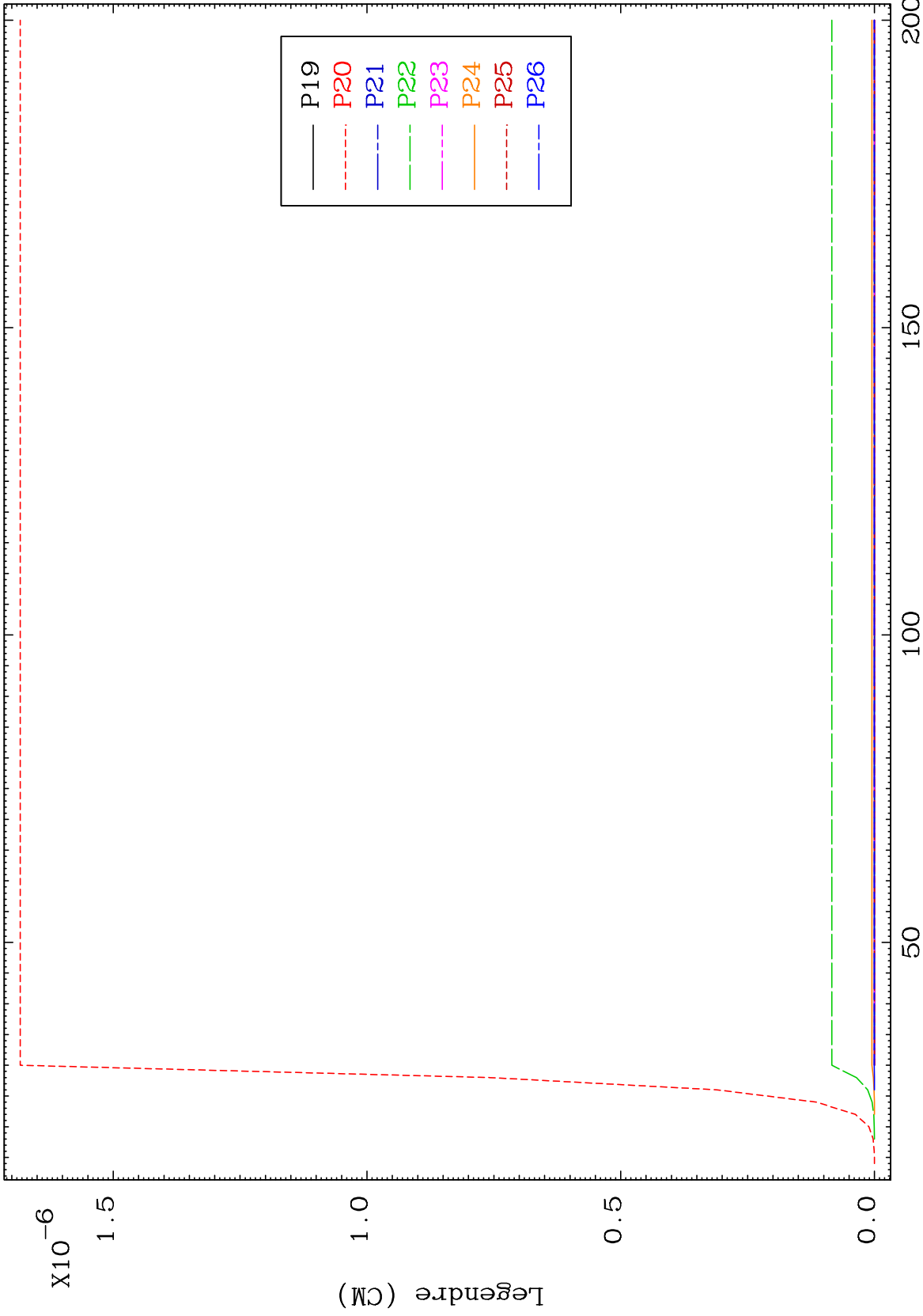
53-I -126



MAT 5322

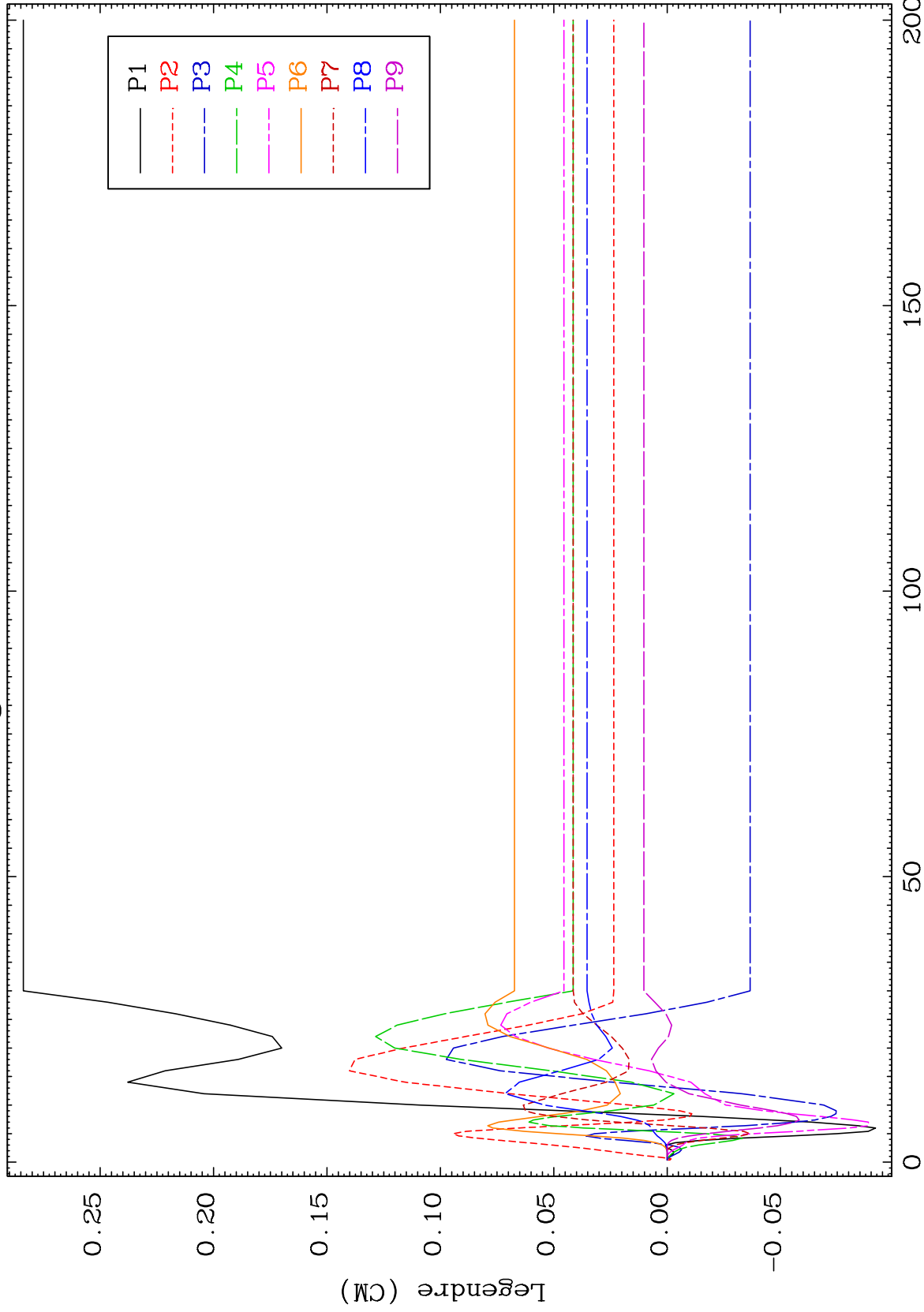
MT= 68 (n,n') Level
Legendre Coefficients

53-I -126



81

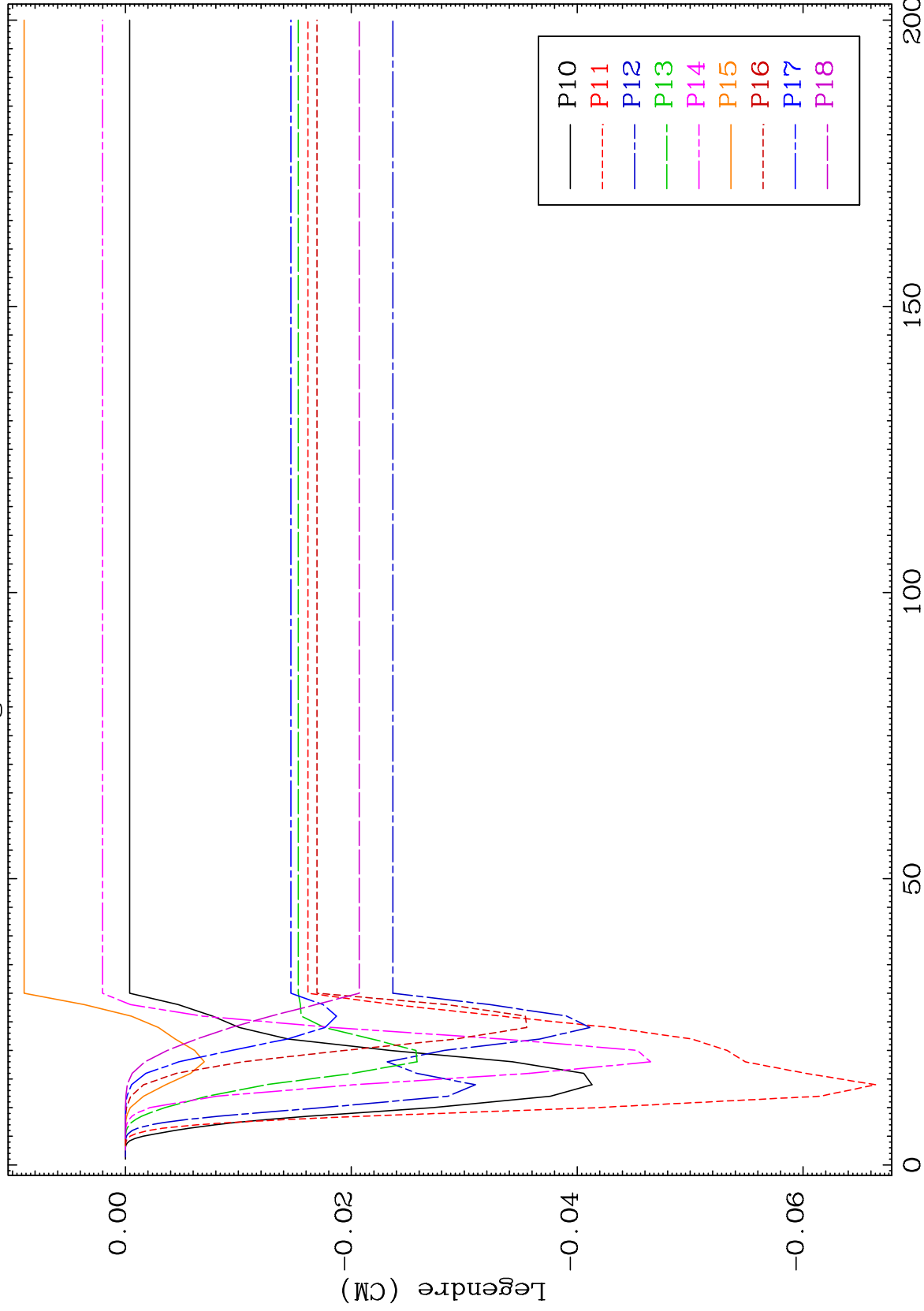
53-I -126



MAT 5322

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

53-I -126

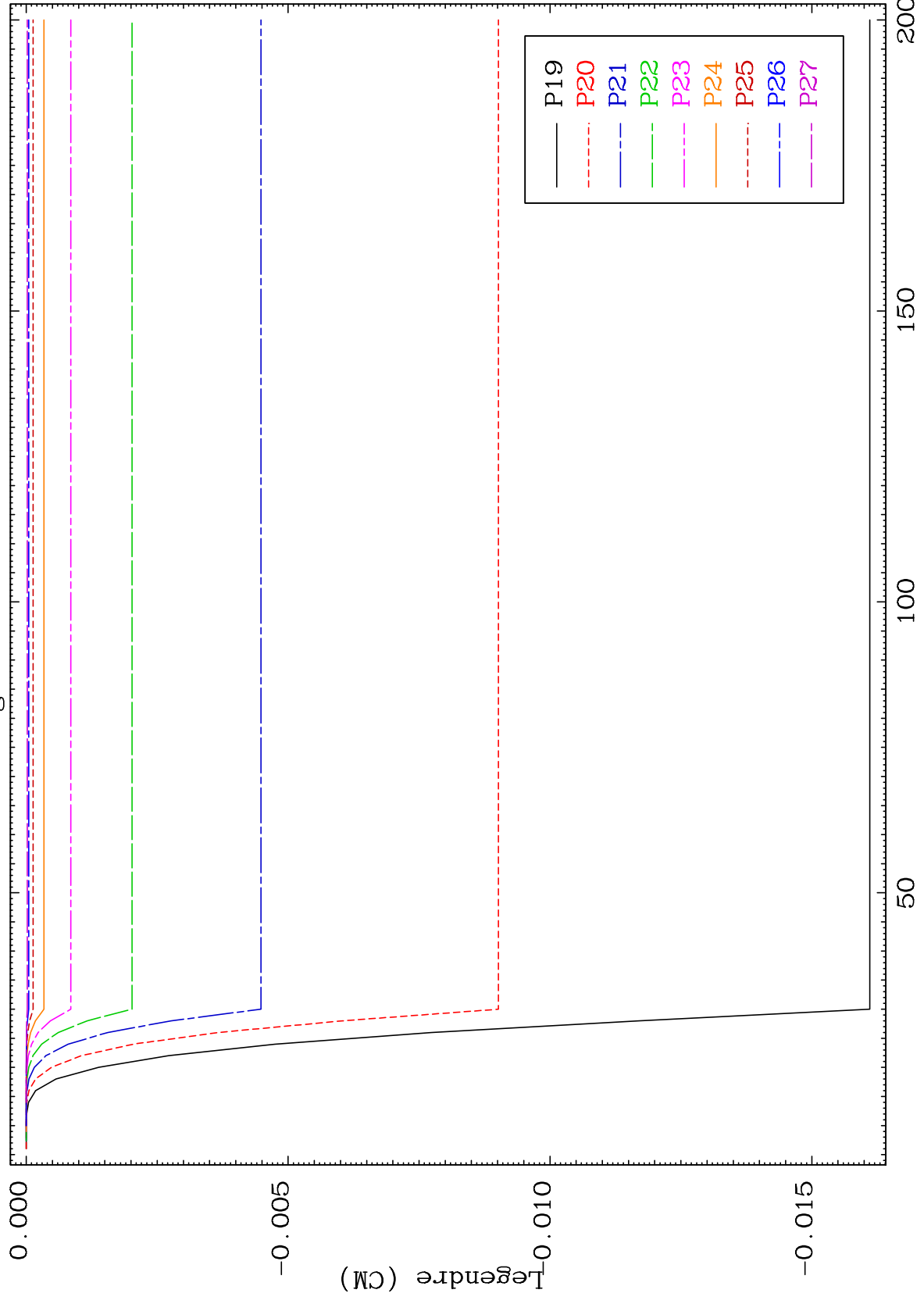


83

Incident Energy (MeV)

53-I -126

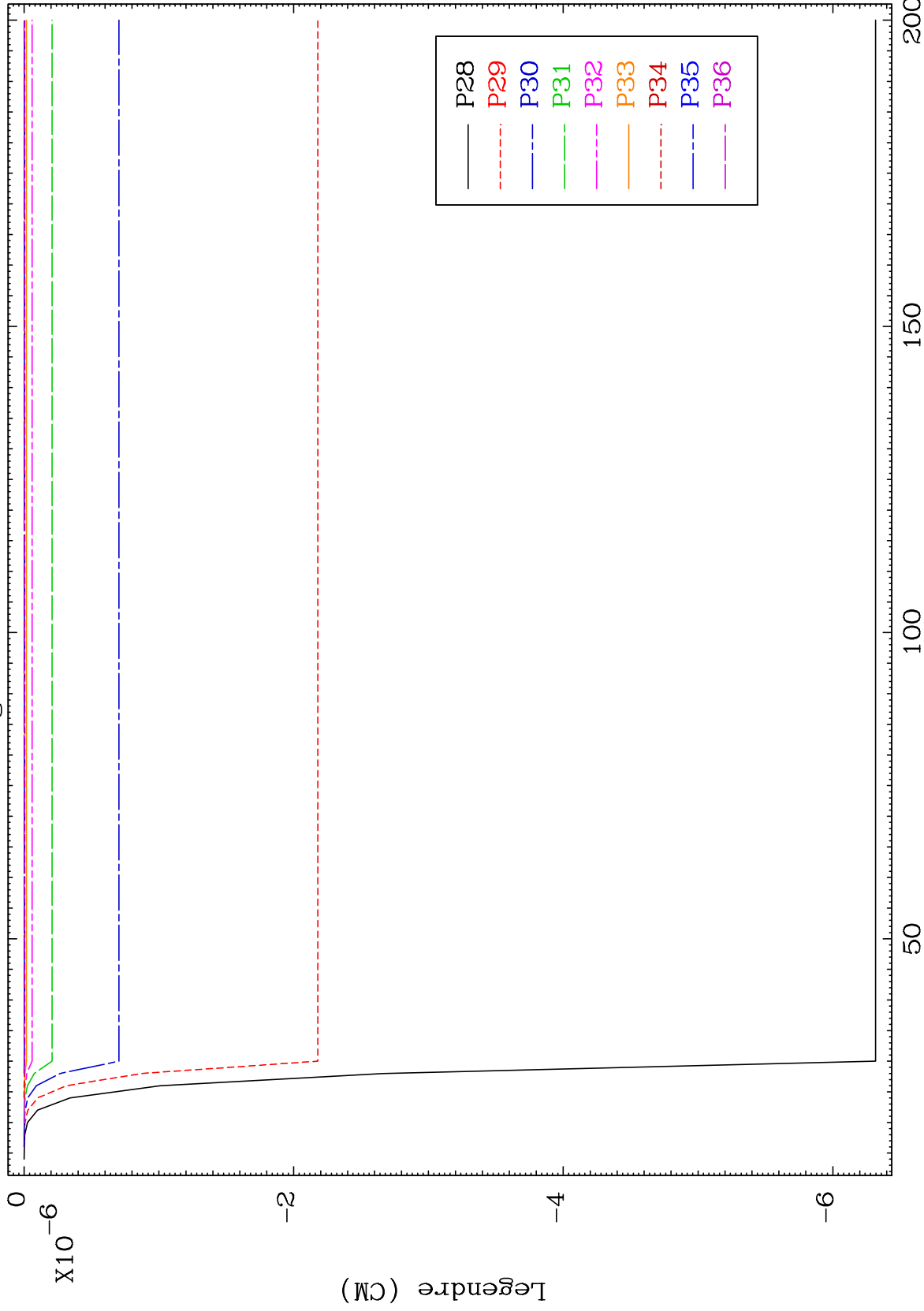
MAT 5322 MT= 69 (n,n') Level Legendre Coefficients 53-I -126



MAT 5322

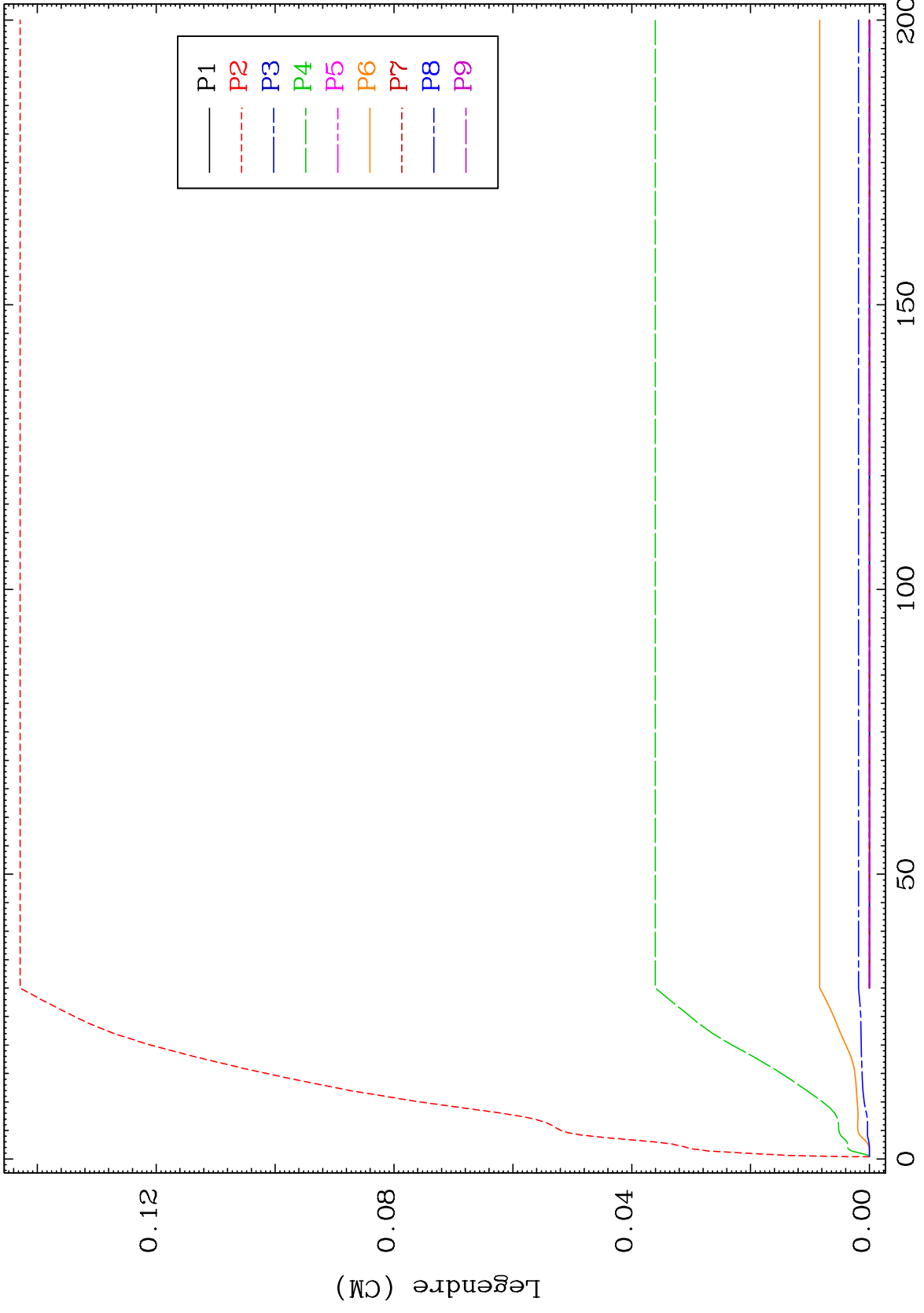
MT= 69 (n,n') Level
Legendre Coefficients

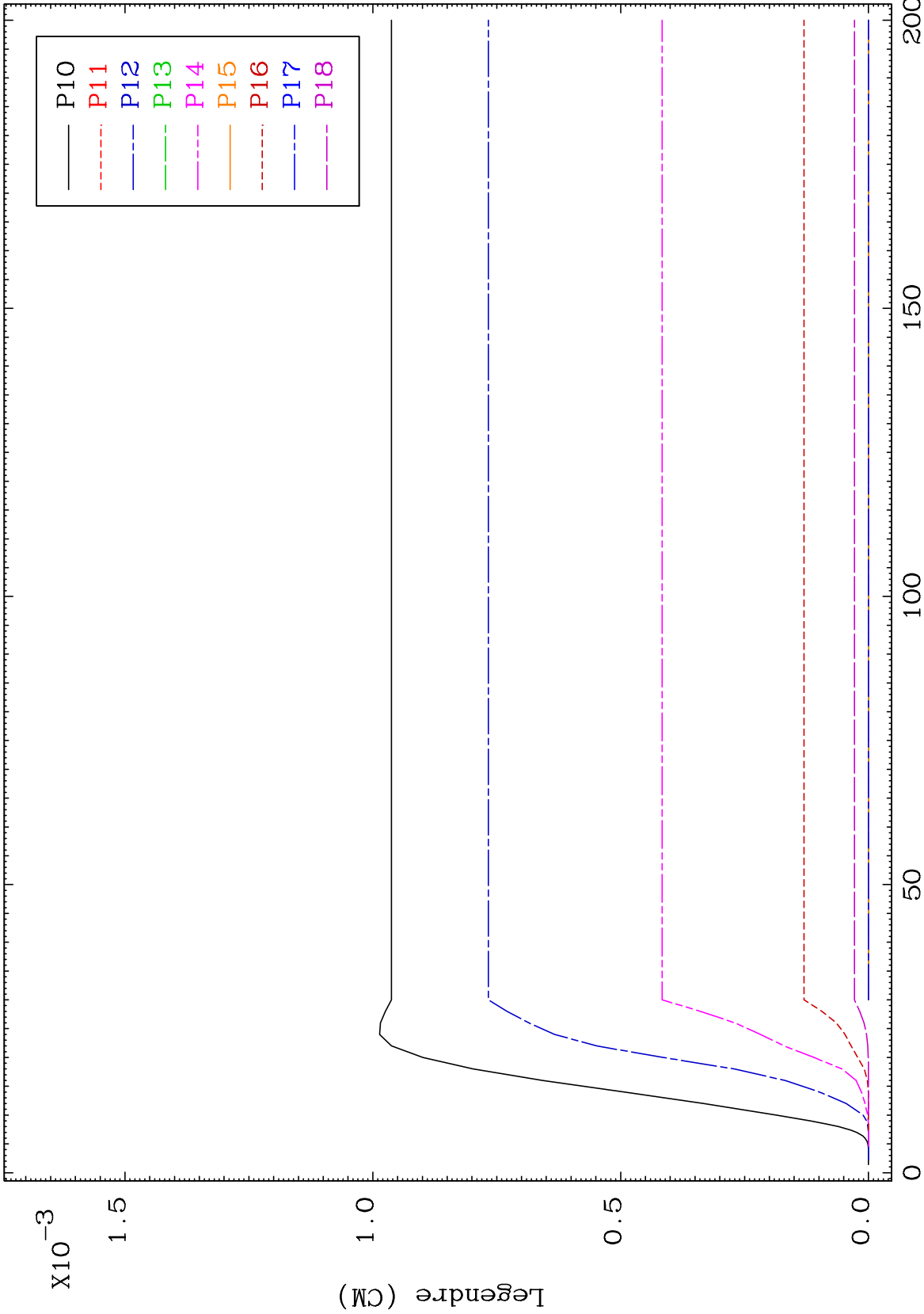
53-I -126



85

53-I -126

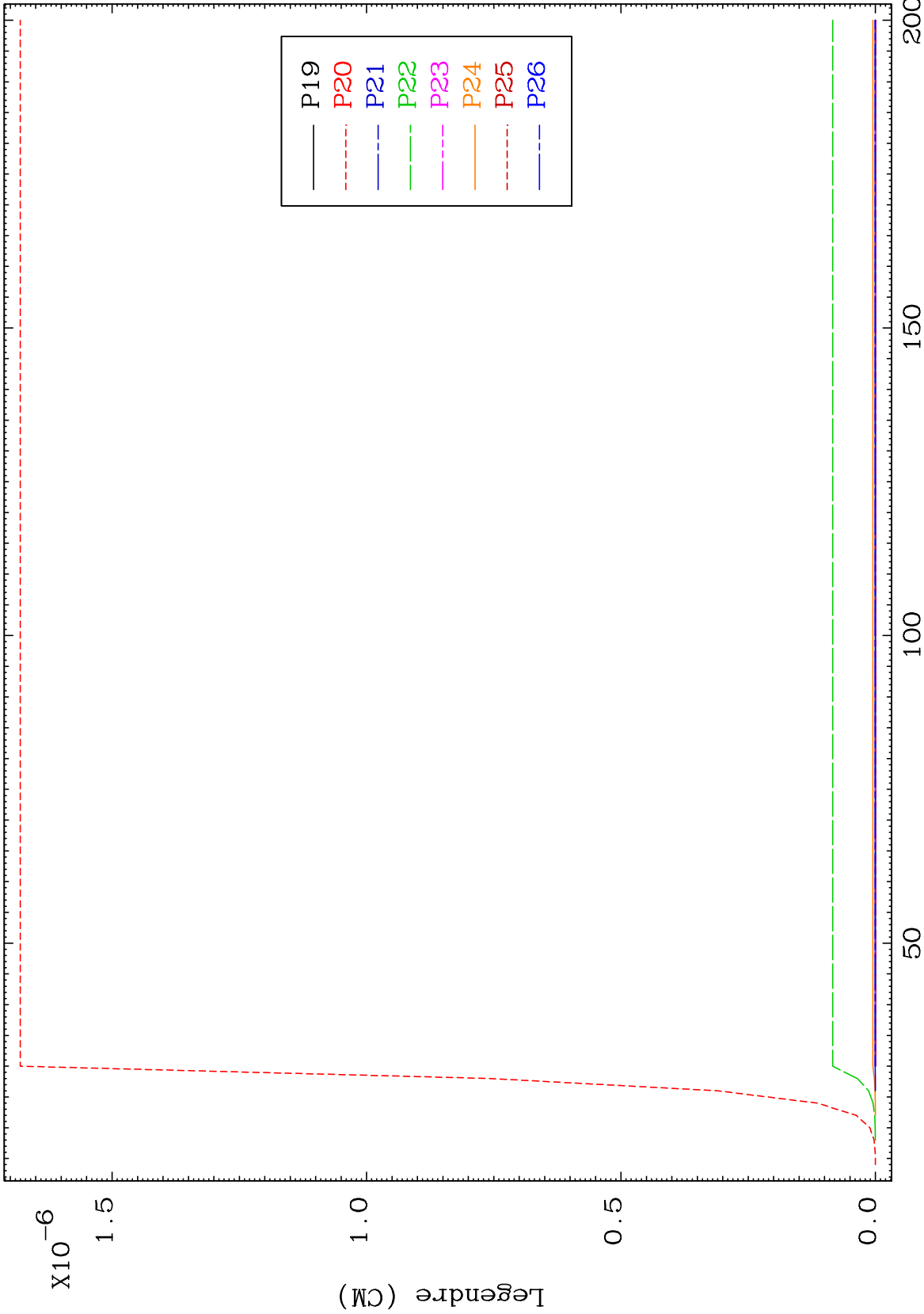




MAT 5322

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

53-I -126



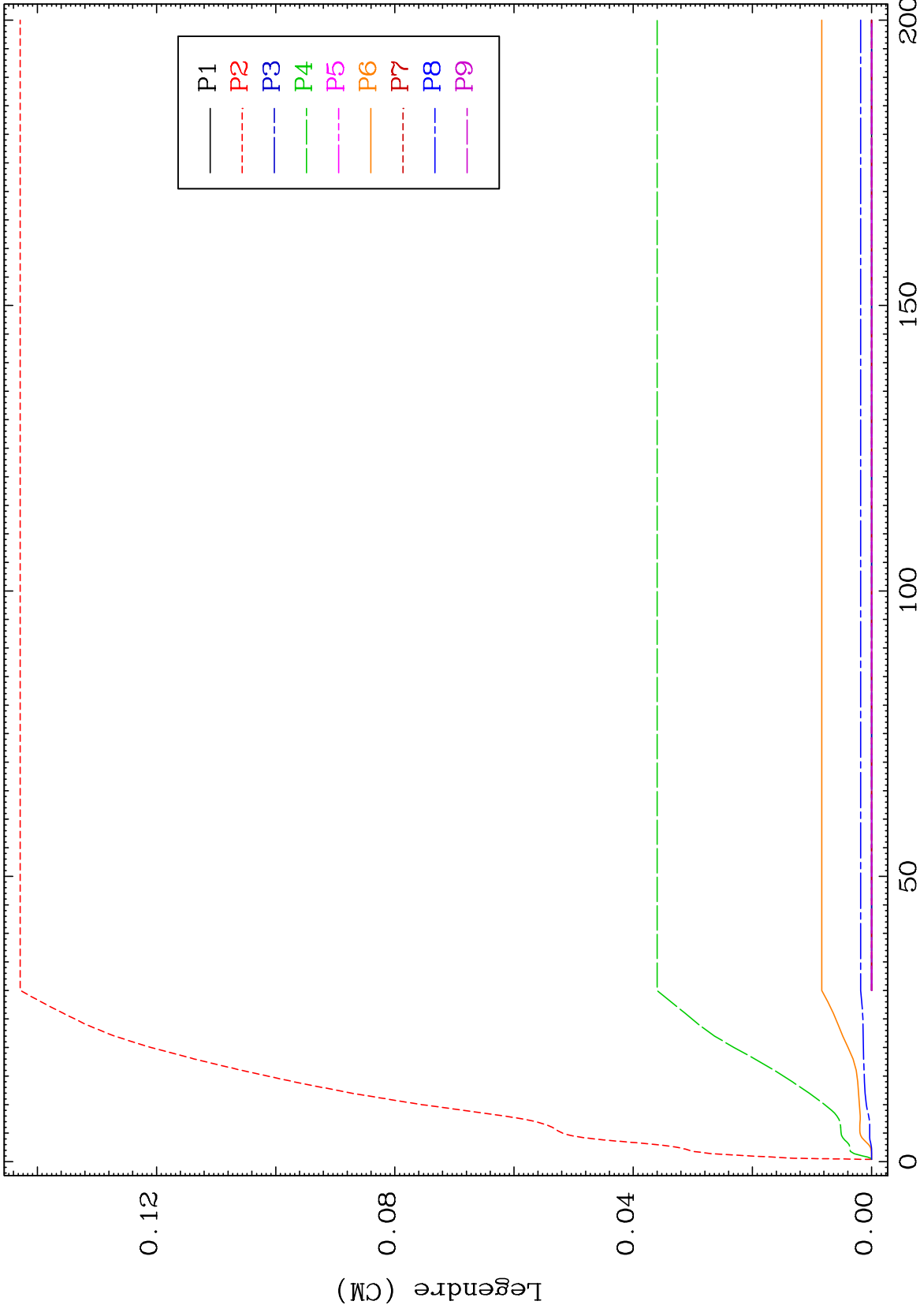
88

53-I -126

MAT 5322

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

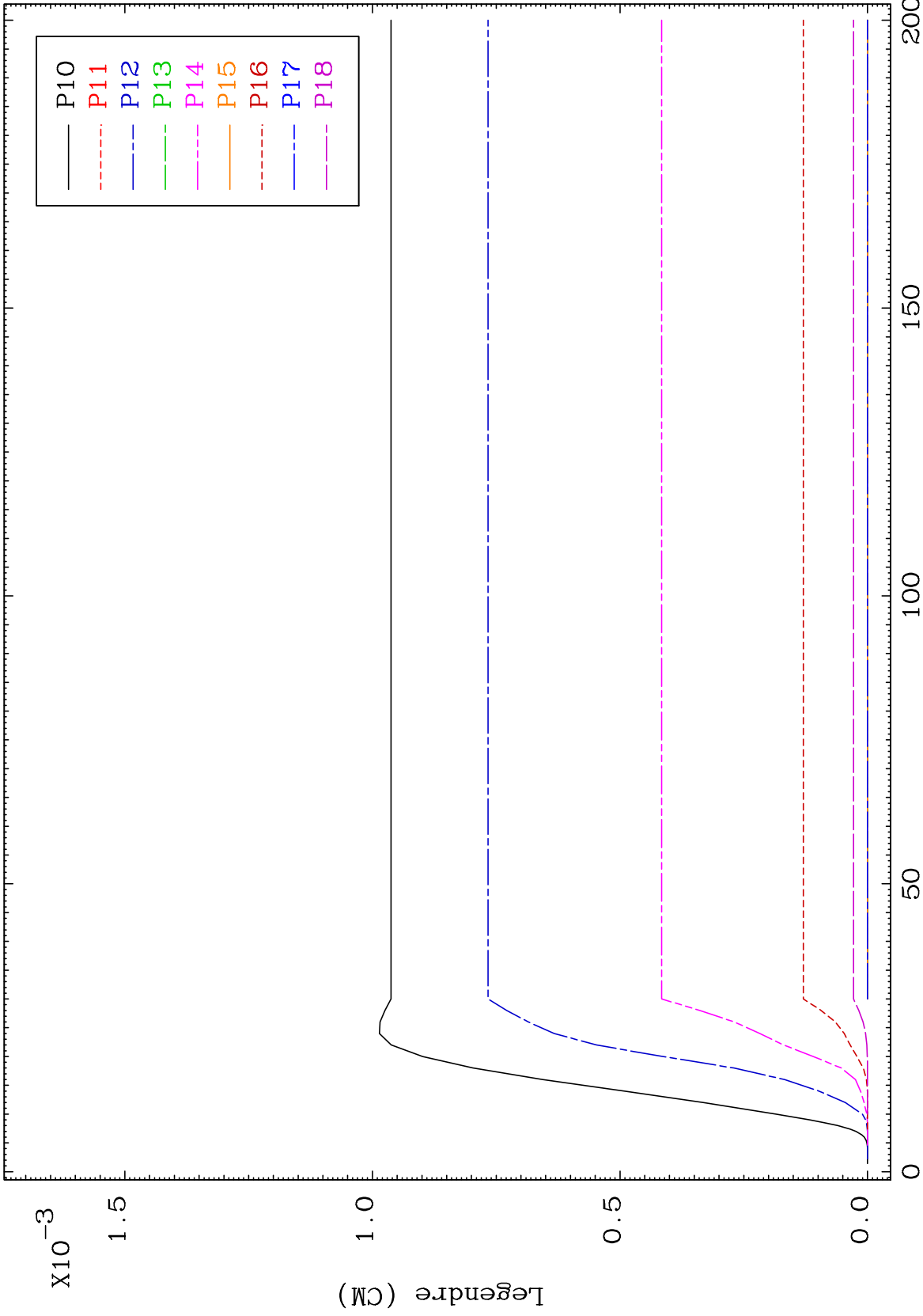
53-I -126



89

Incident Energy (MeV)

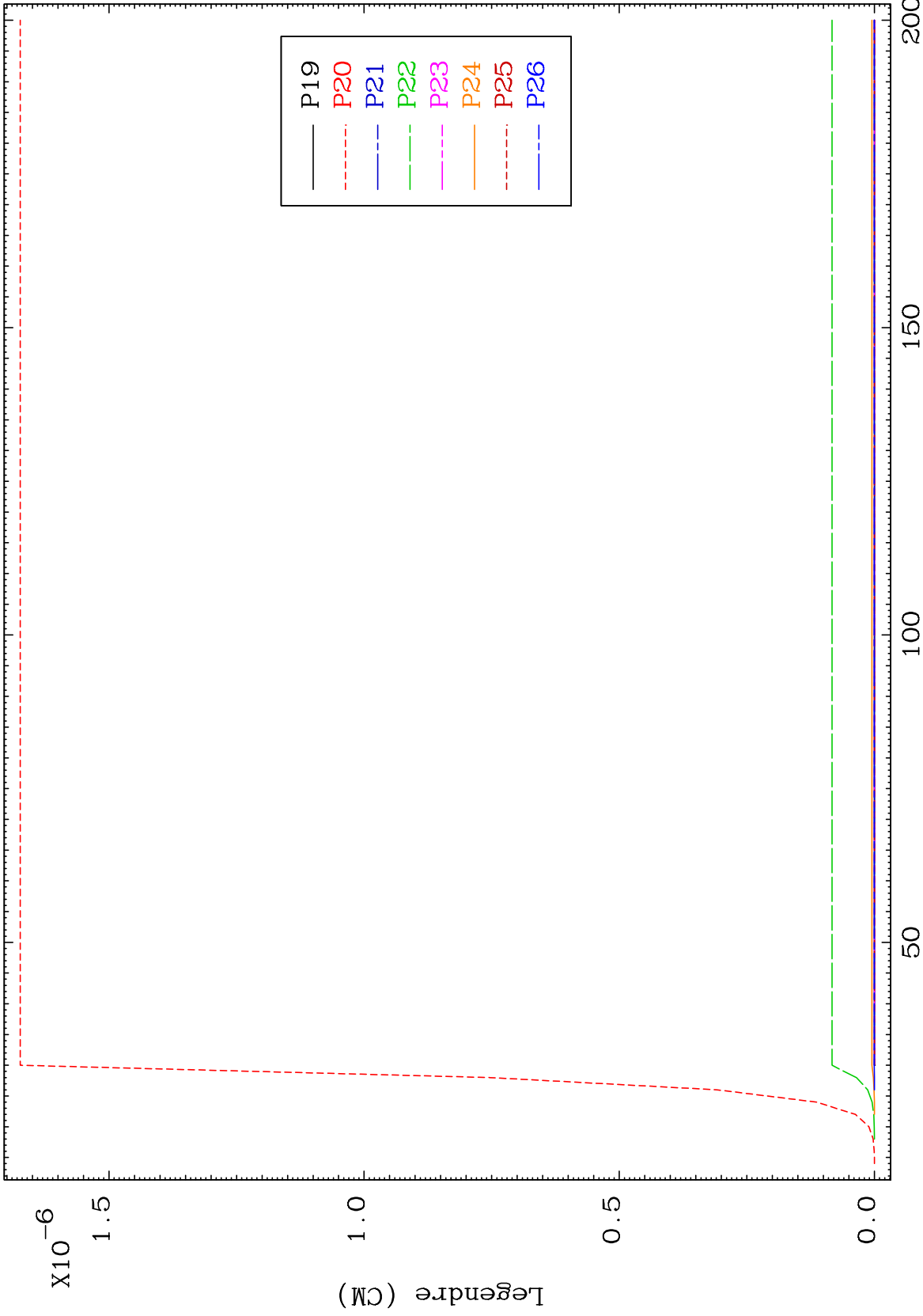
53-I -126



MAT 5322

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

53-I -126



91

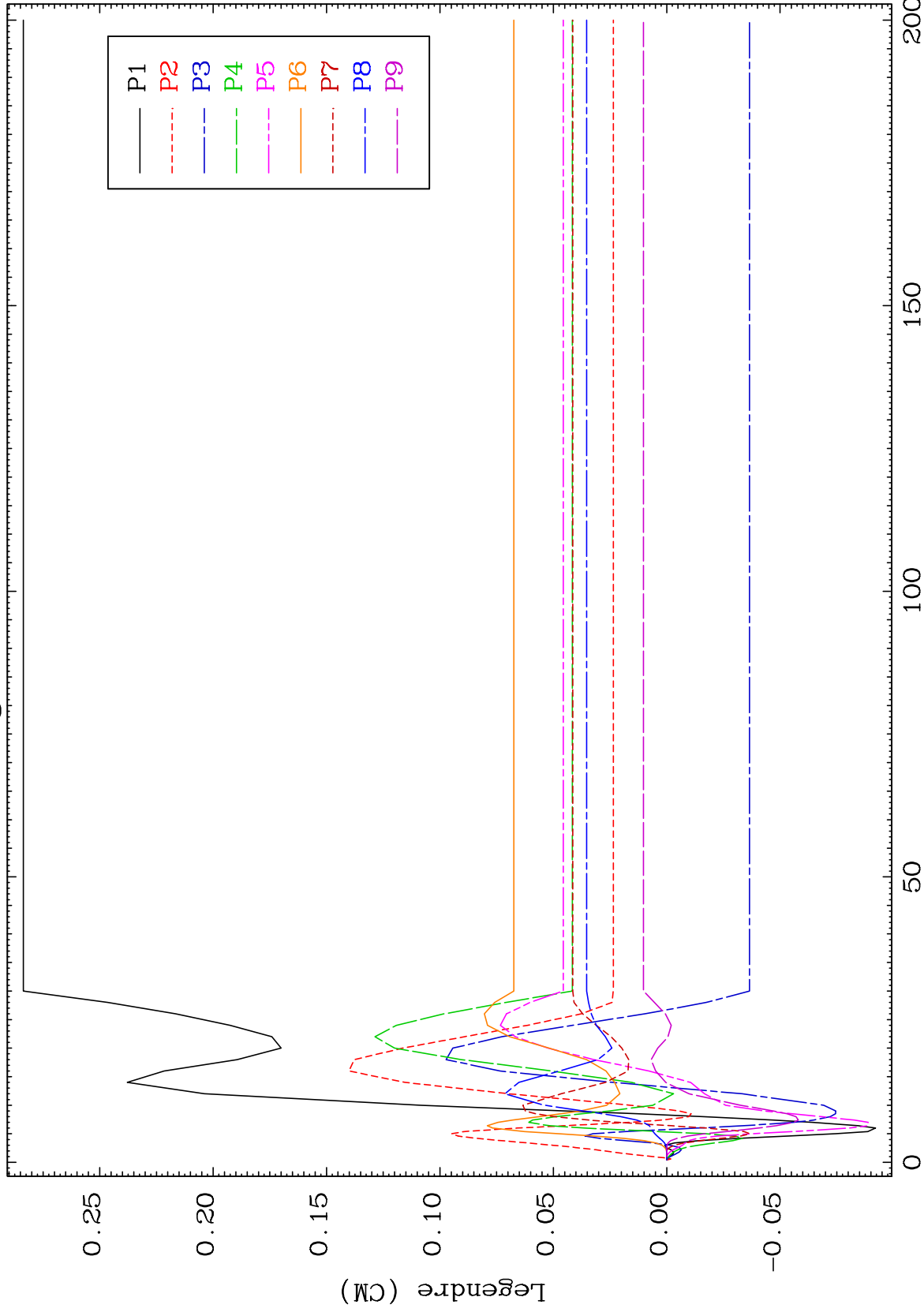
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



92

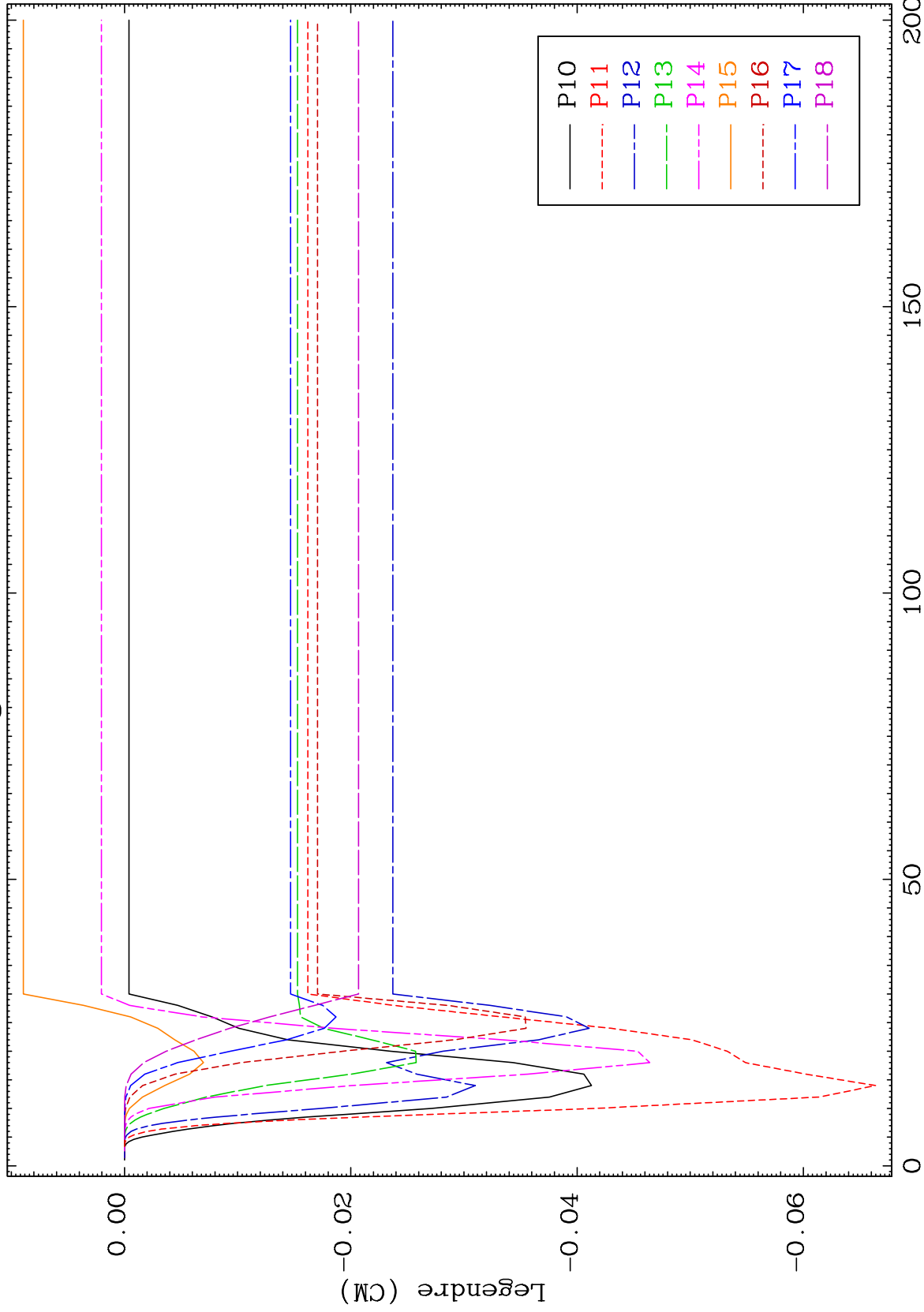
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126

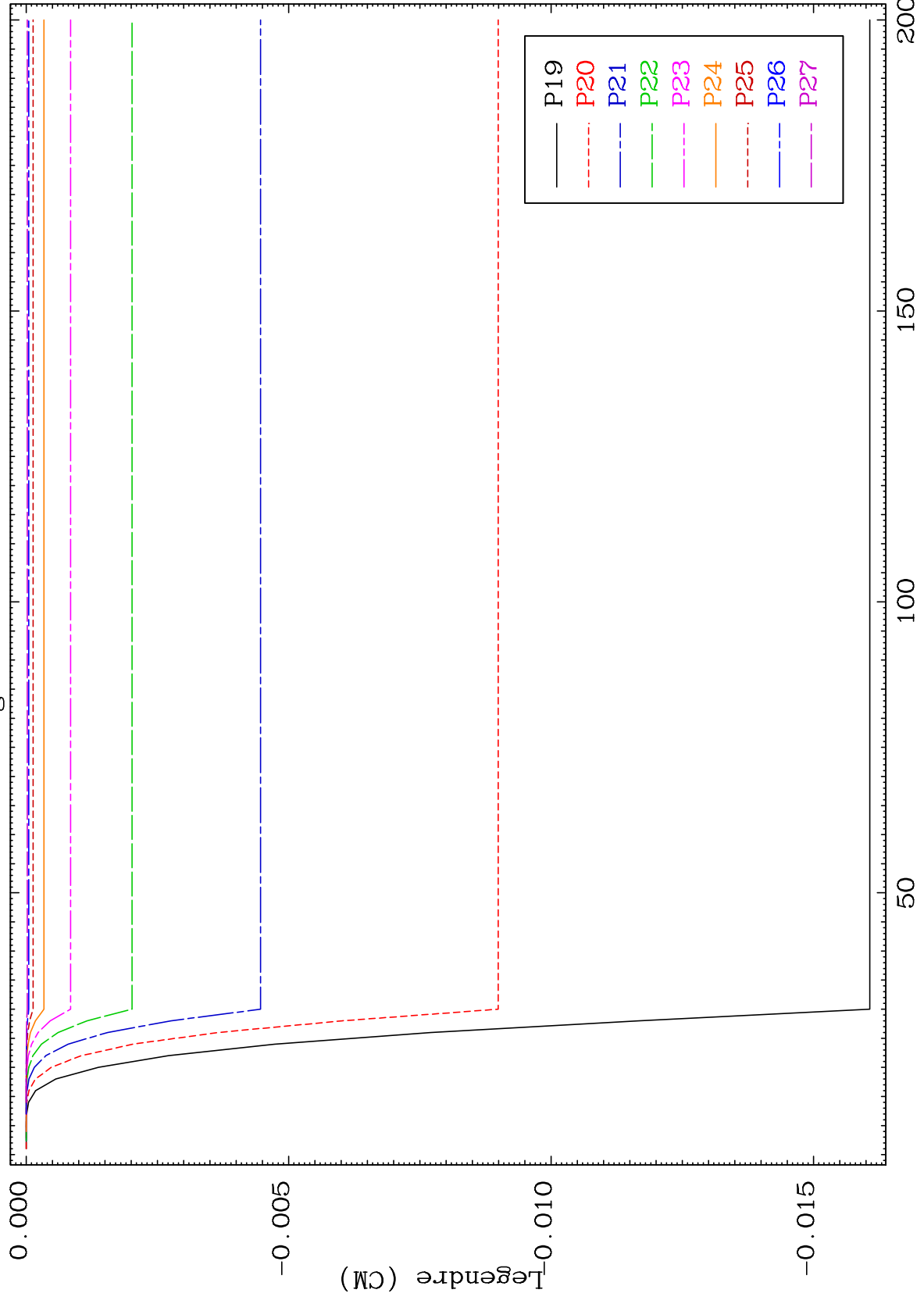


93

Incident Energy (MeV)

53-I -126

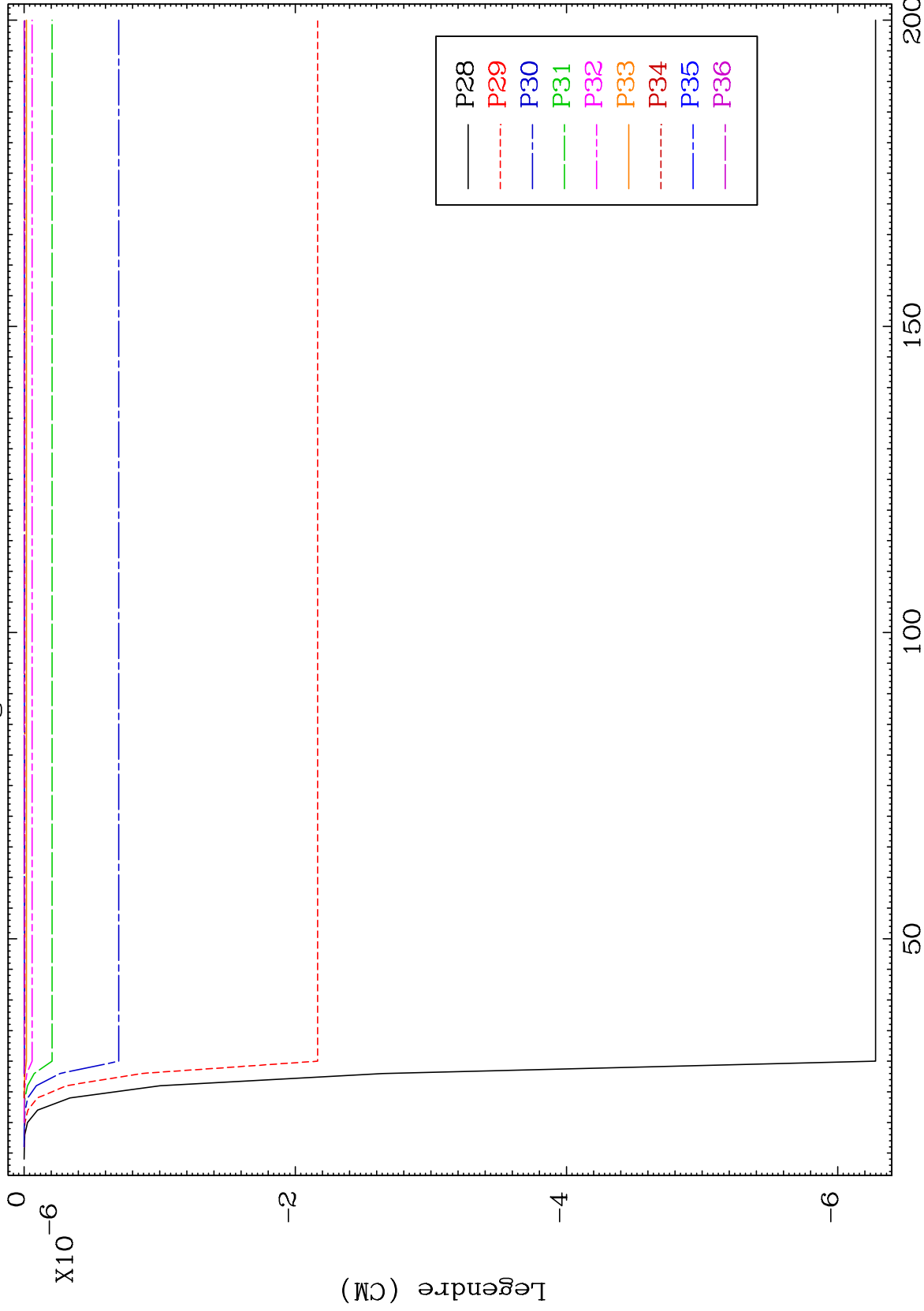
MAT 5322 MT= 72 (n,n') Level Legendre Coefficients 53-I -126



MAT 5322

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

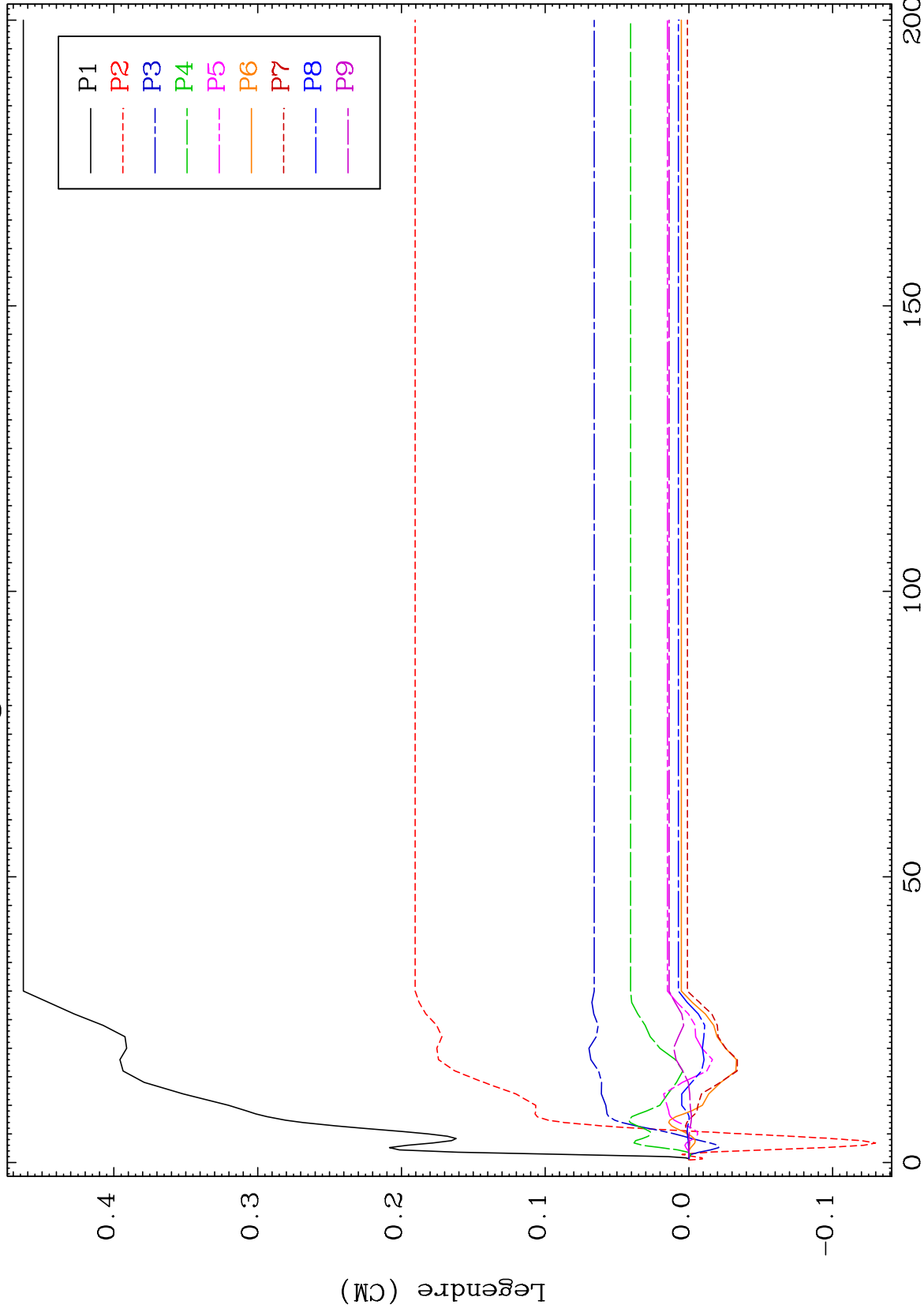
53-I -126

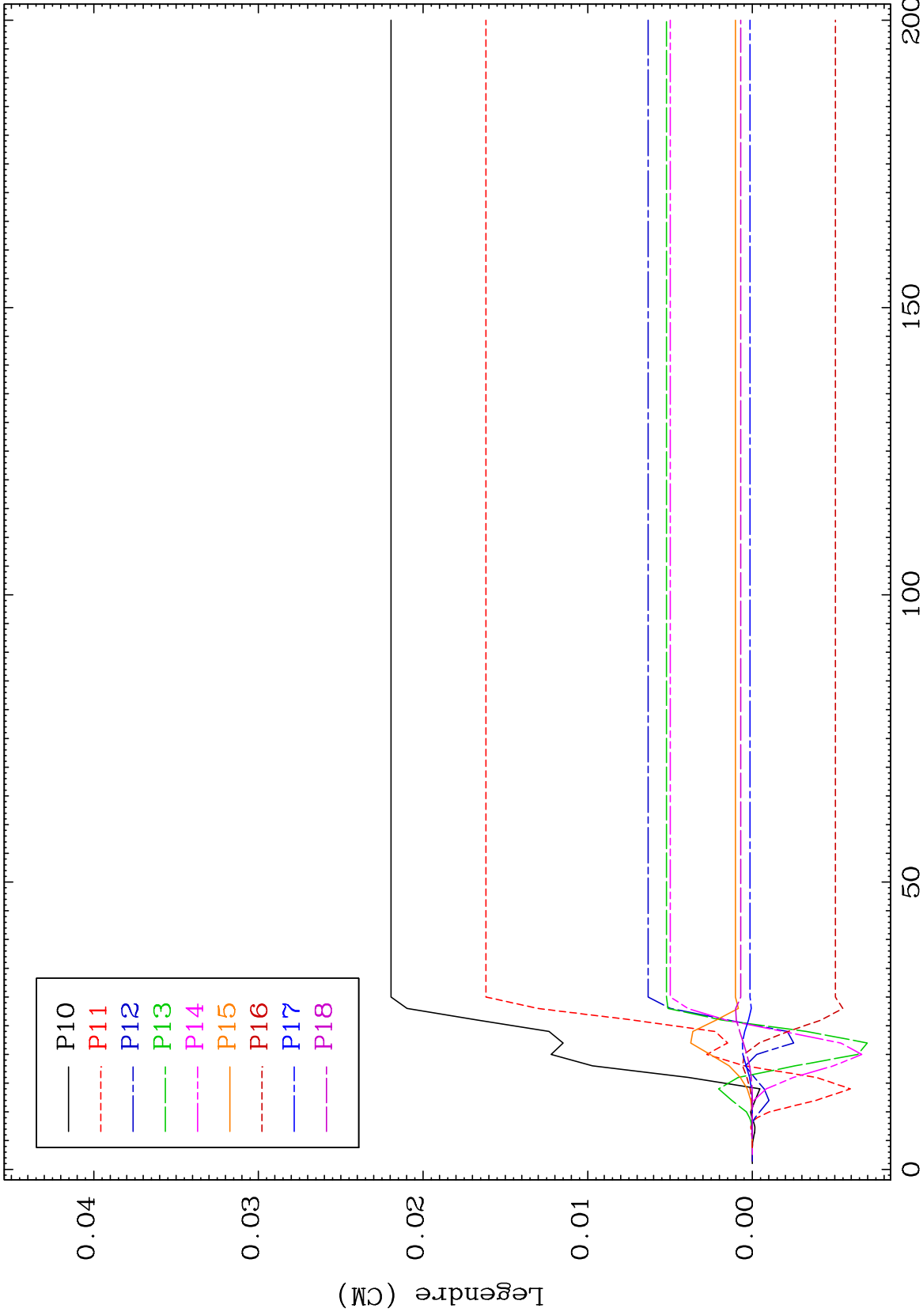


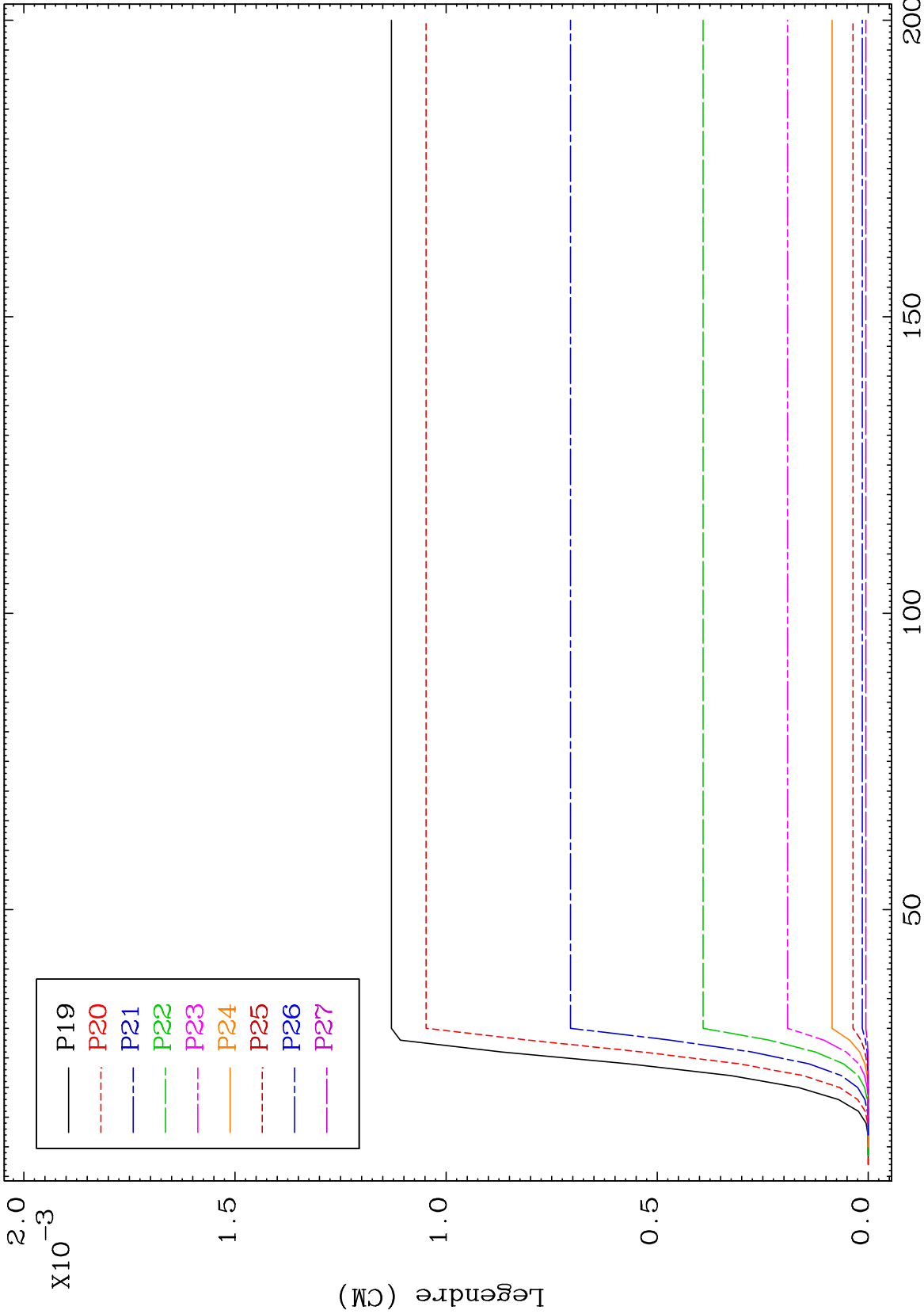
95

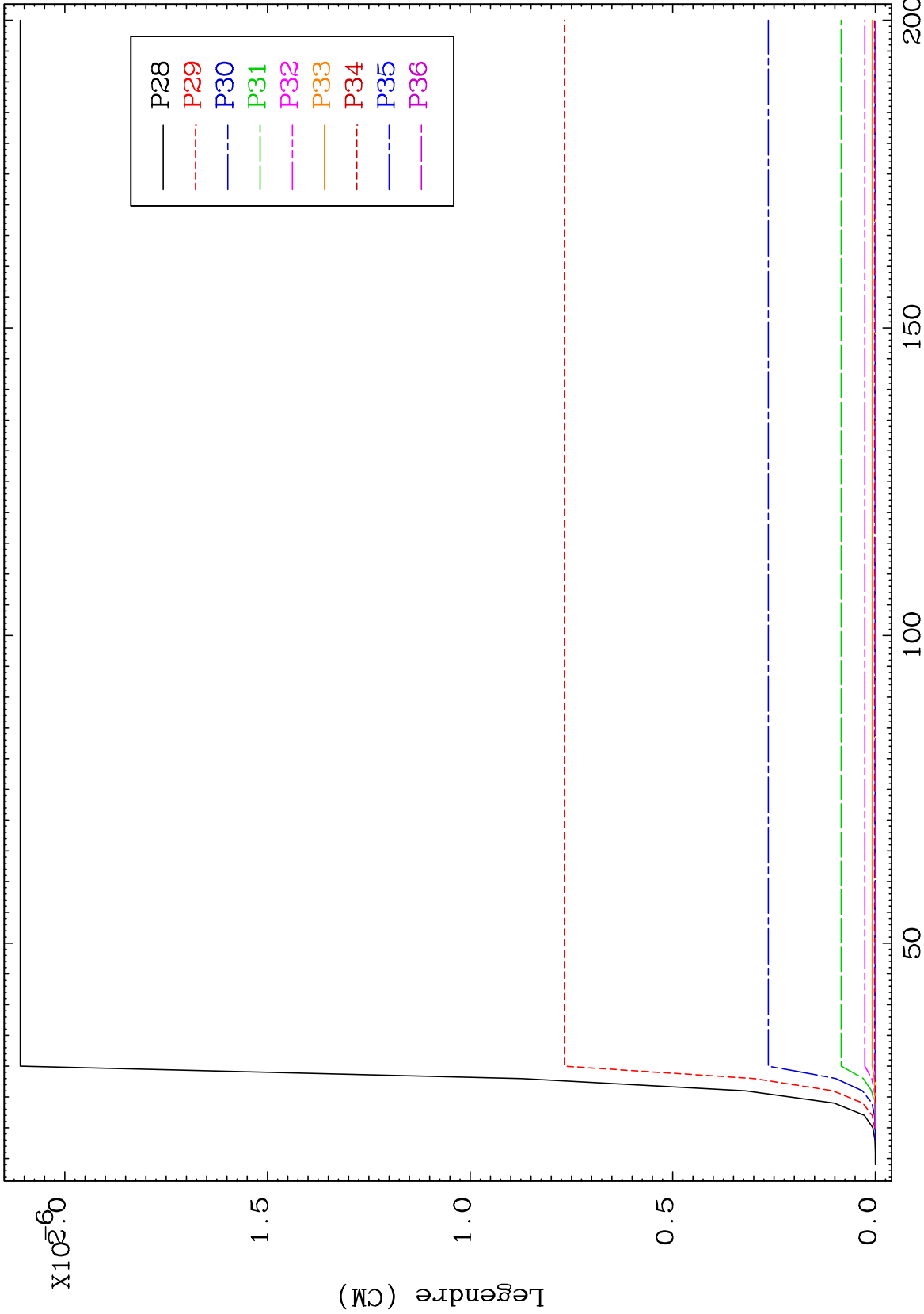
Incident Energy (MeV)

53-I -126





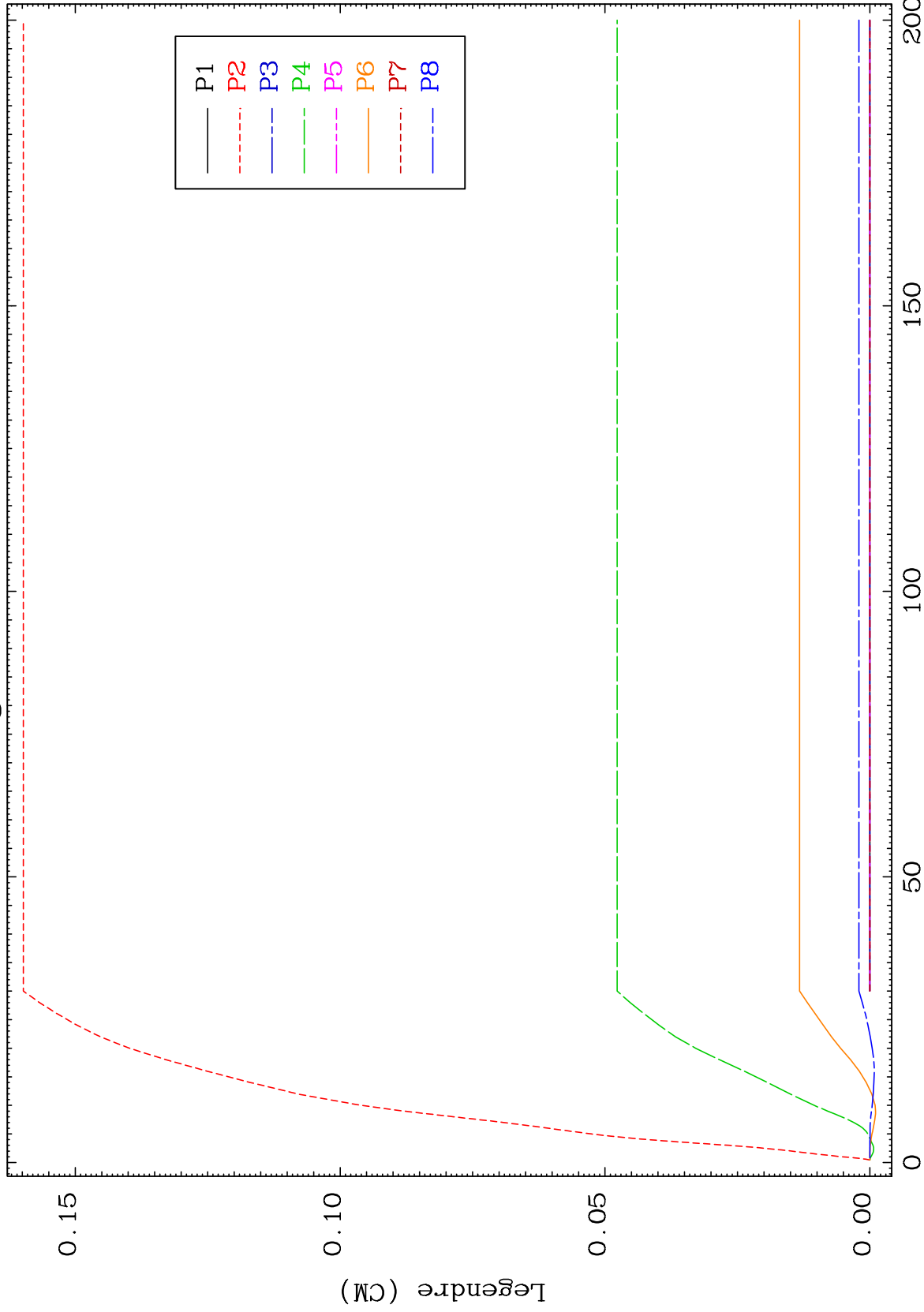




MAT 5322

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

53-I -126



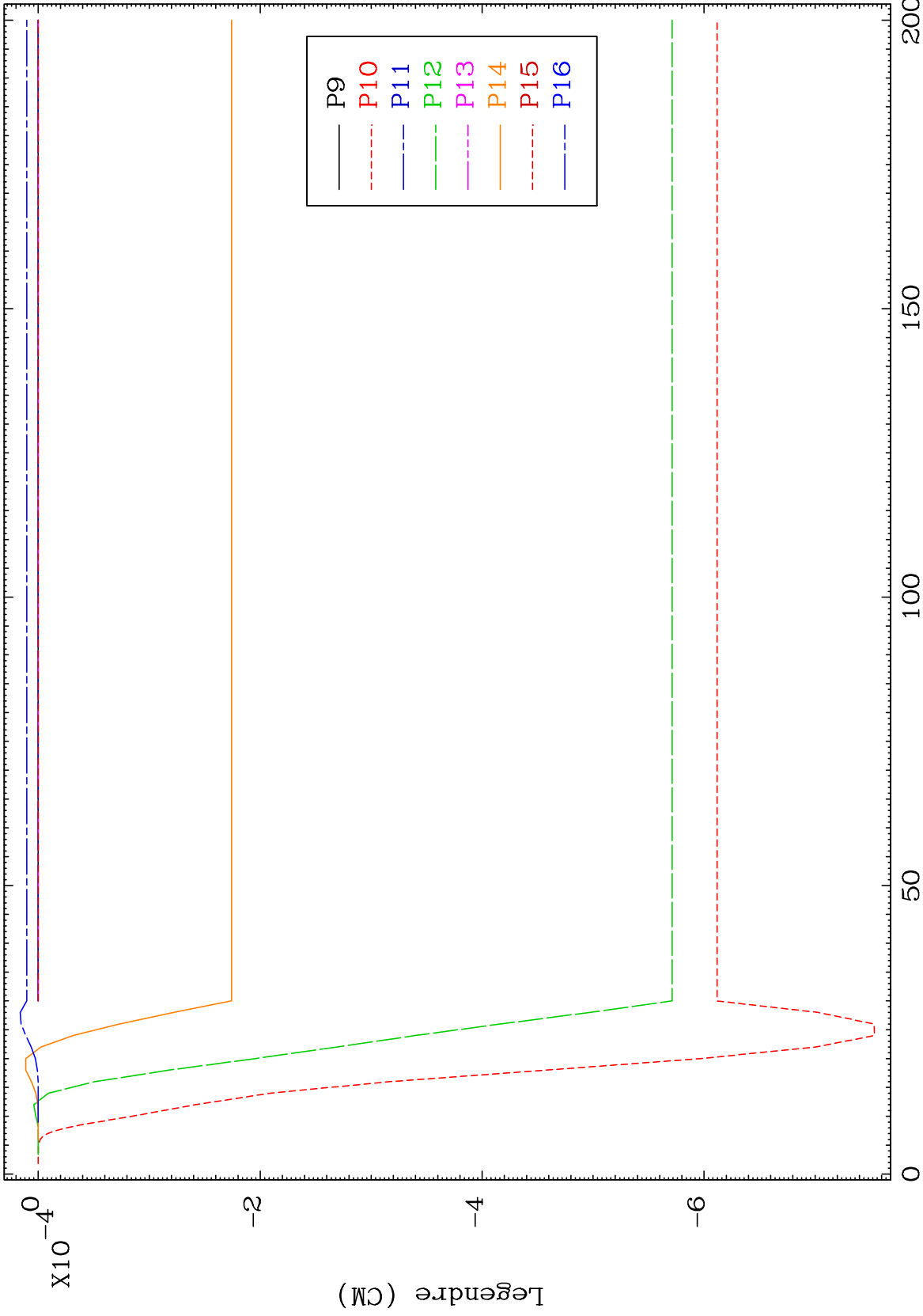
53-I -126

Incident Energy (MeV)

MAT 5322

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

53-I -126



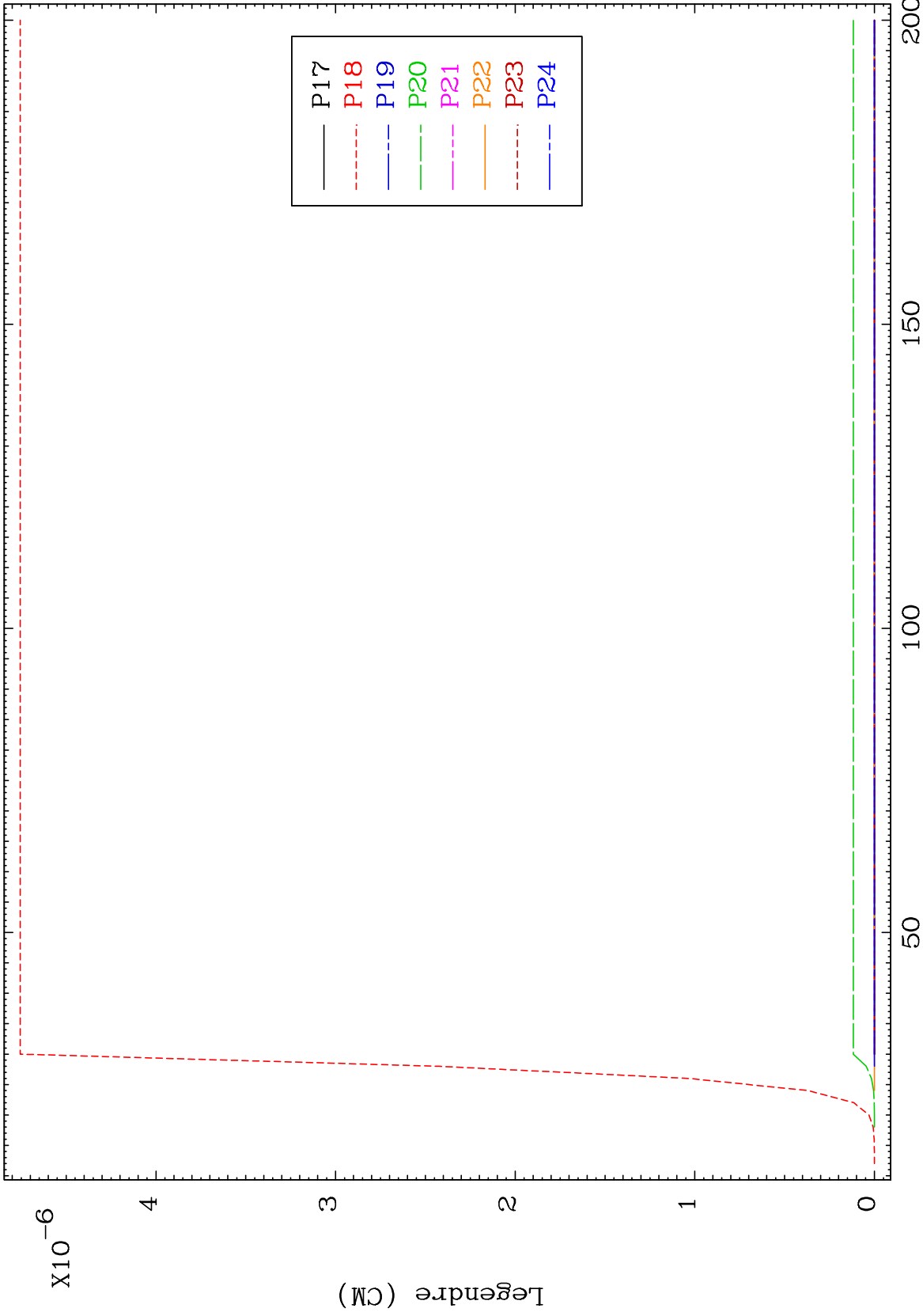
101

53-I -126

MAT 5322

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

53-I -126



102

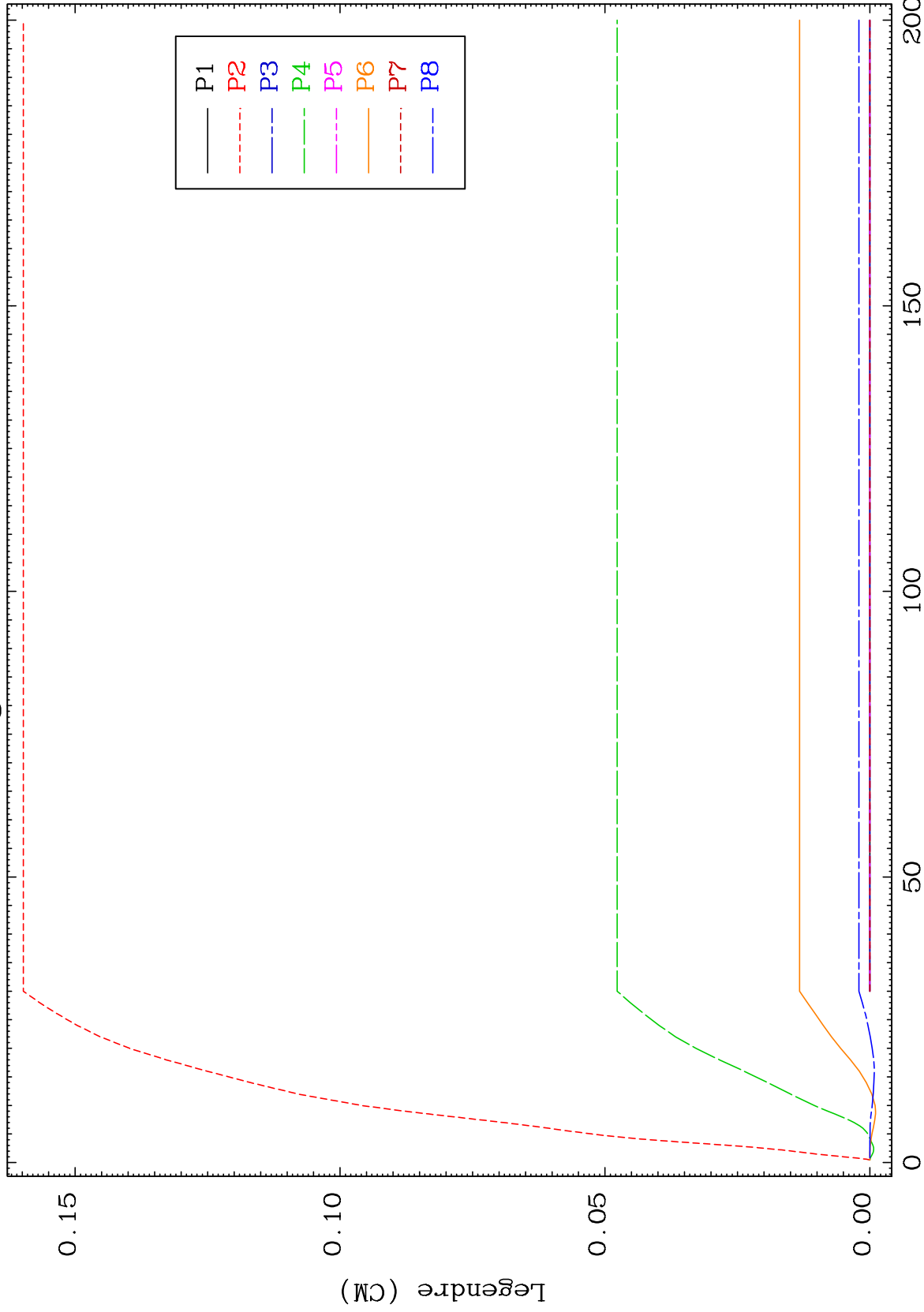
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



103

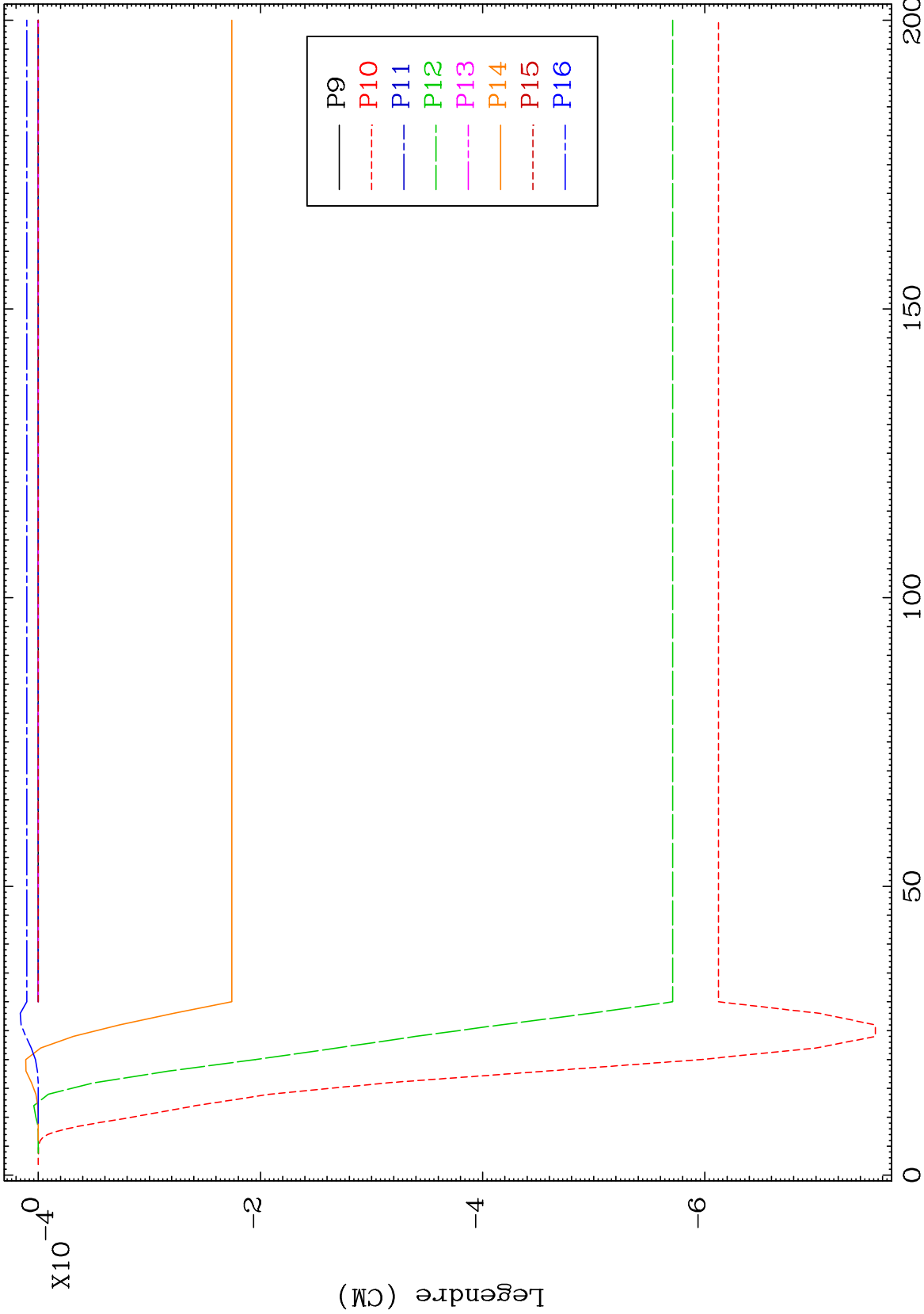
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



104

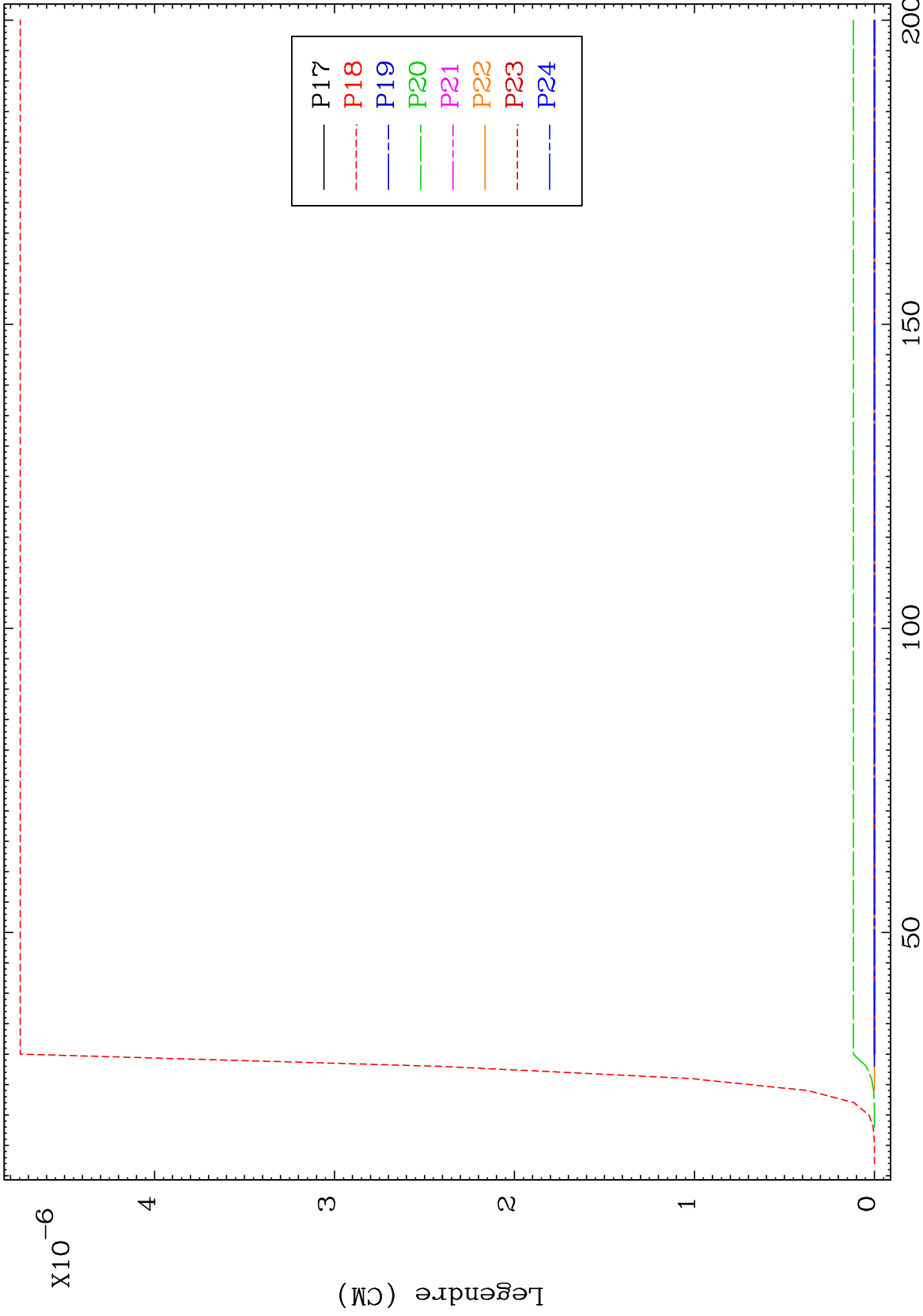
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



105

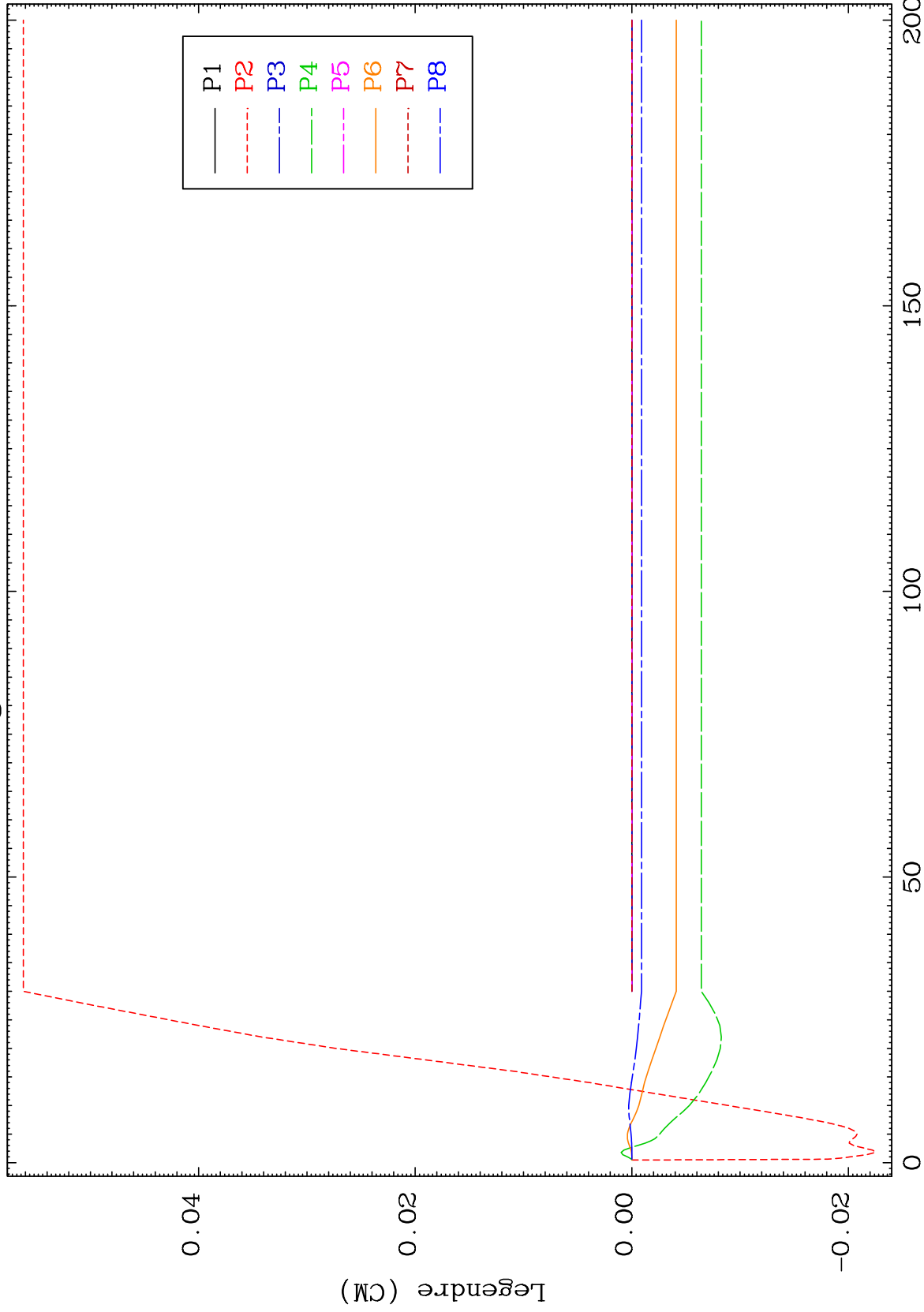
Incident Energy (MeV)

53-I -126

MAT 5322

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

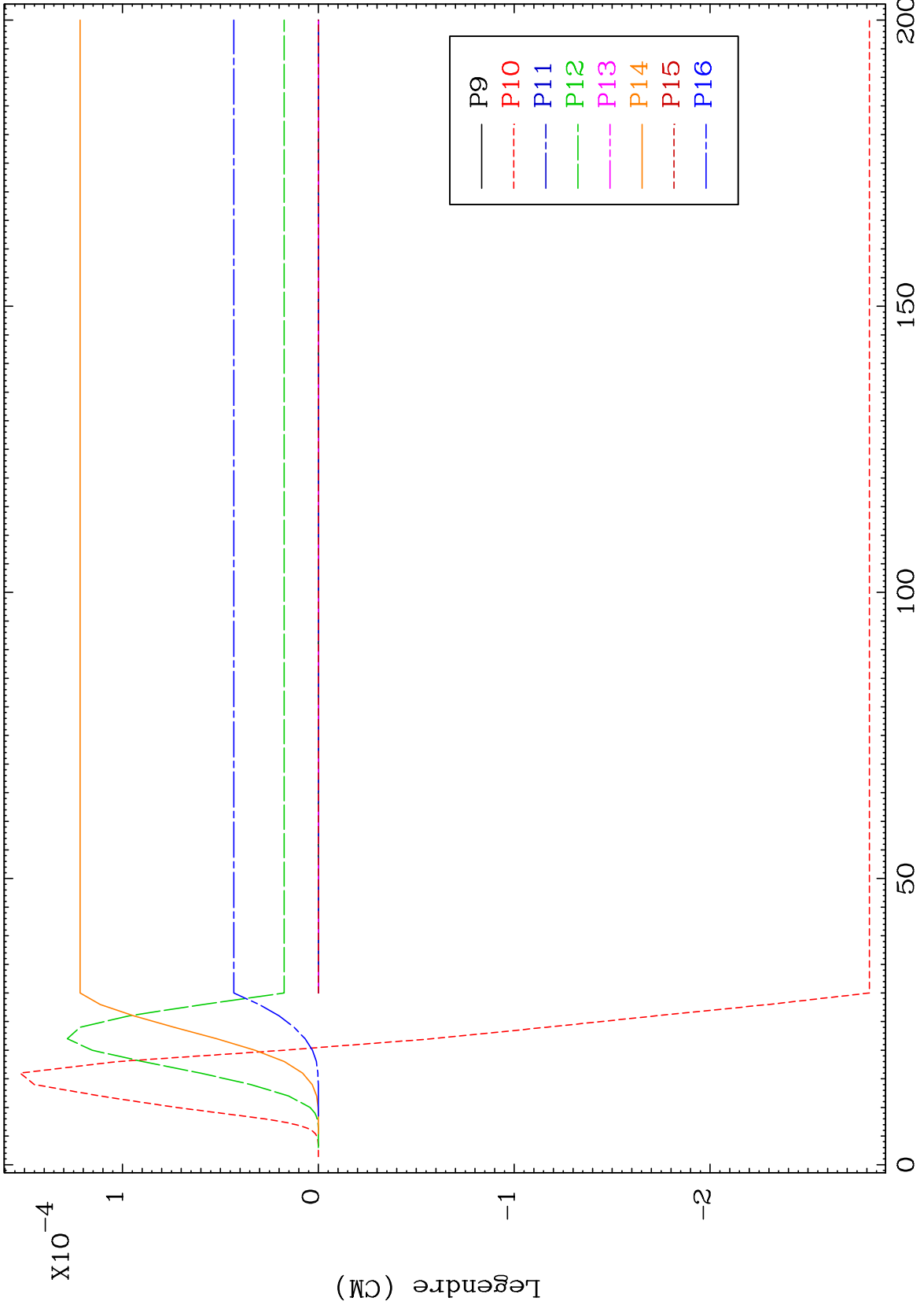
53-I -126



106

Incident Energy (MeV)

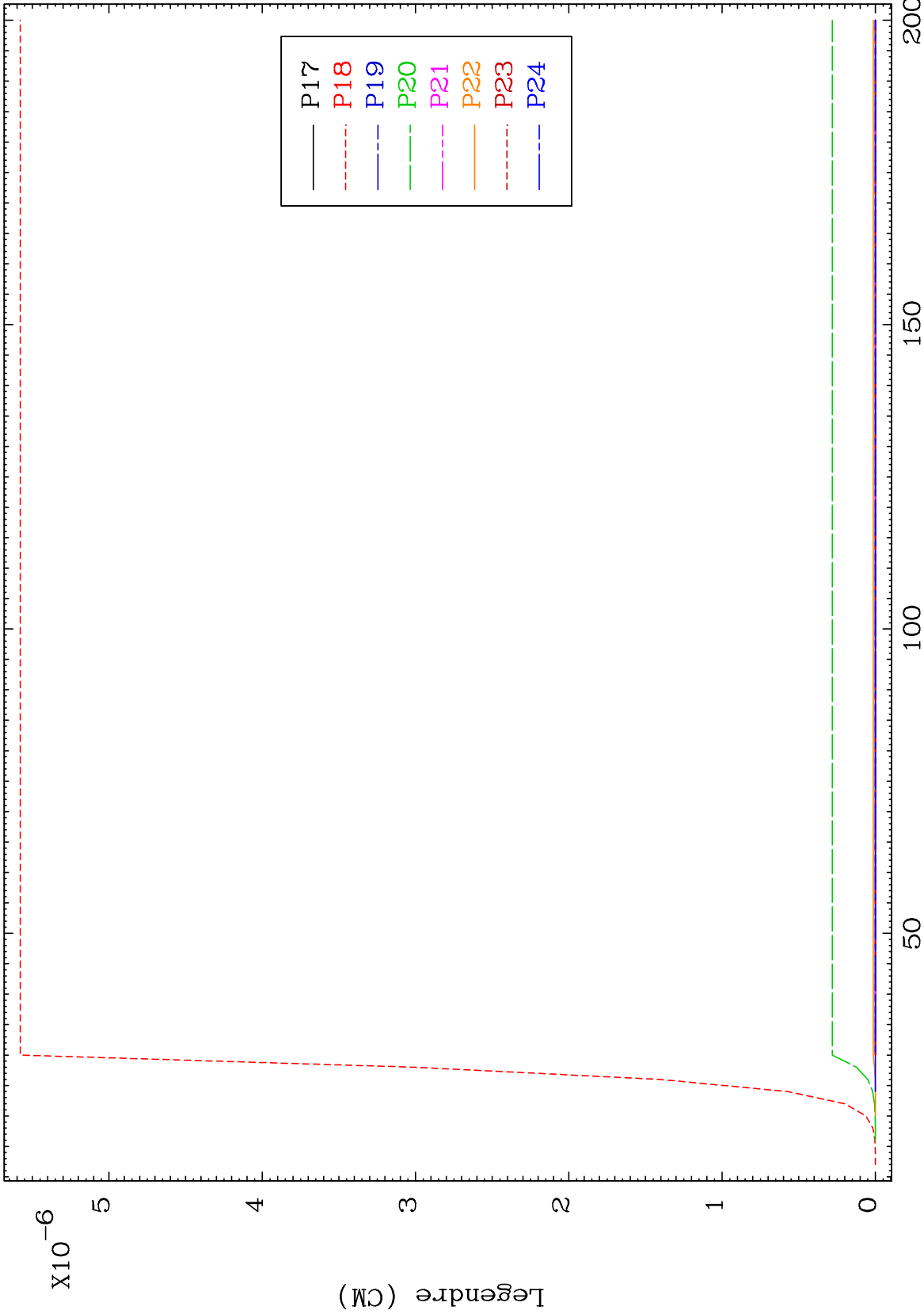
53-I -126



MAT 5322

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

53-I -126



108

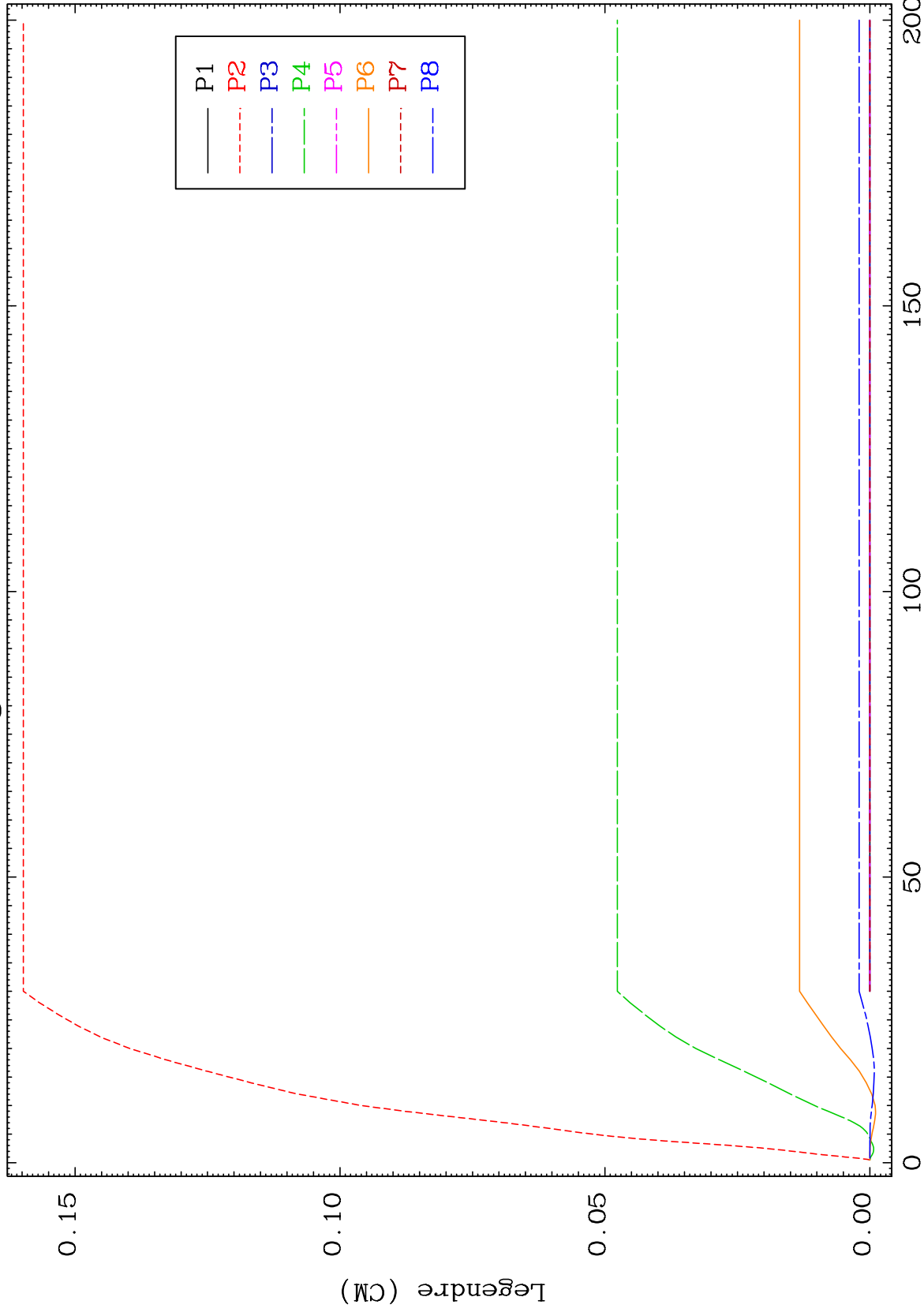
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



109

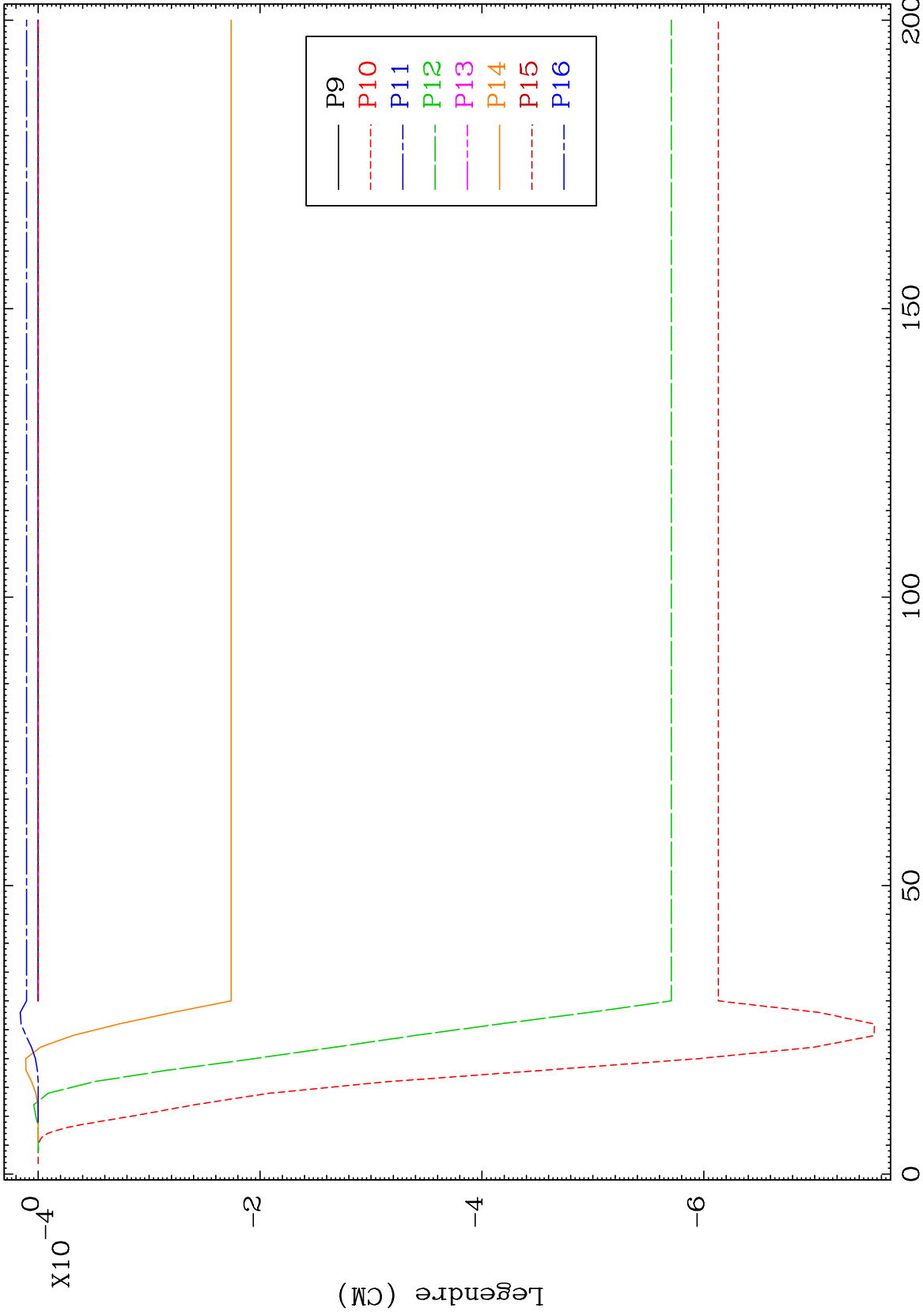
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



110

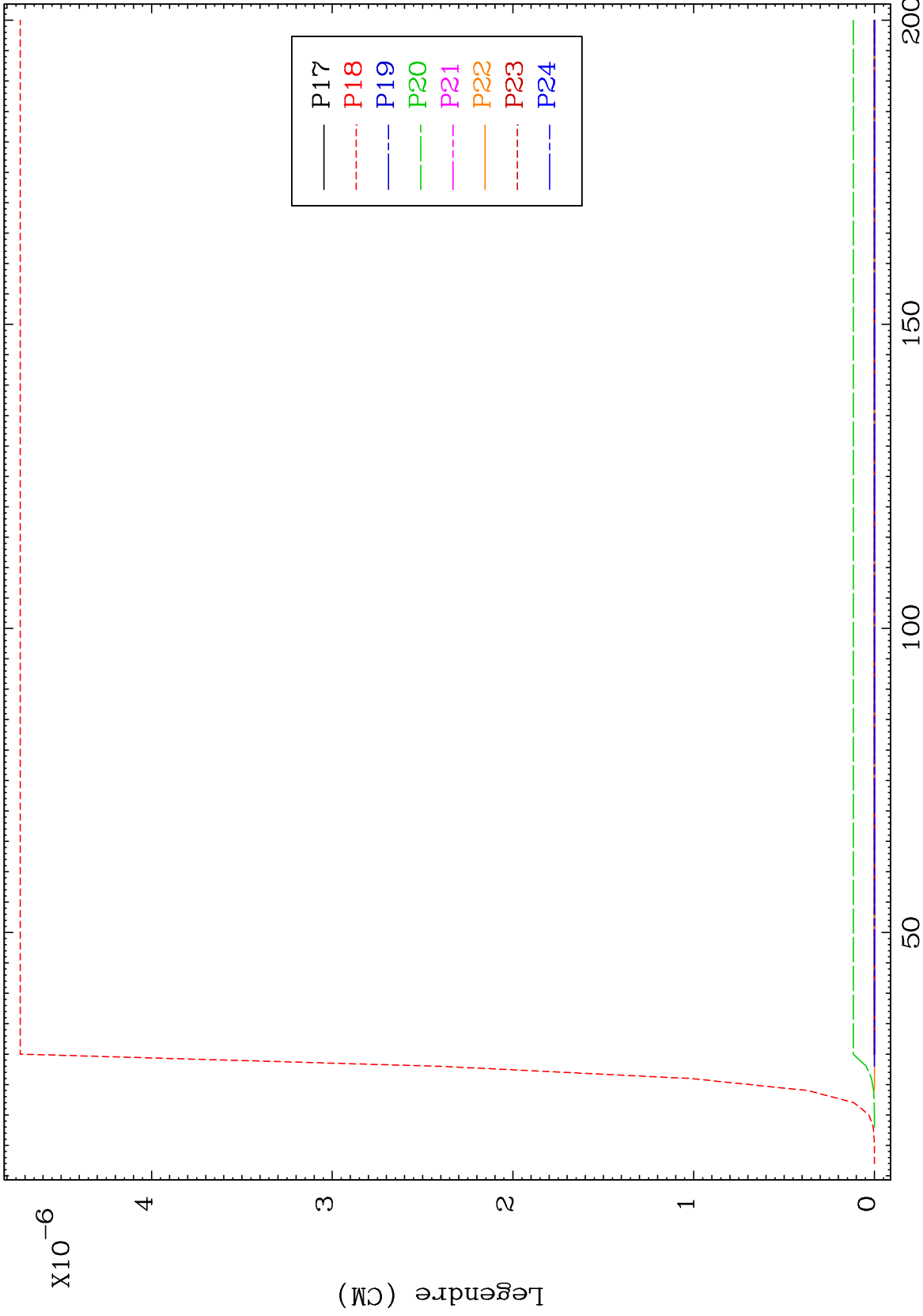
Incident Energy (MeV)

53-I -126

MAT 5322

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

53-I -126



111

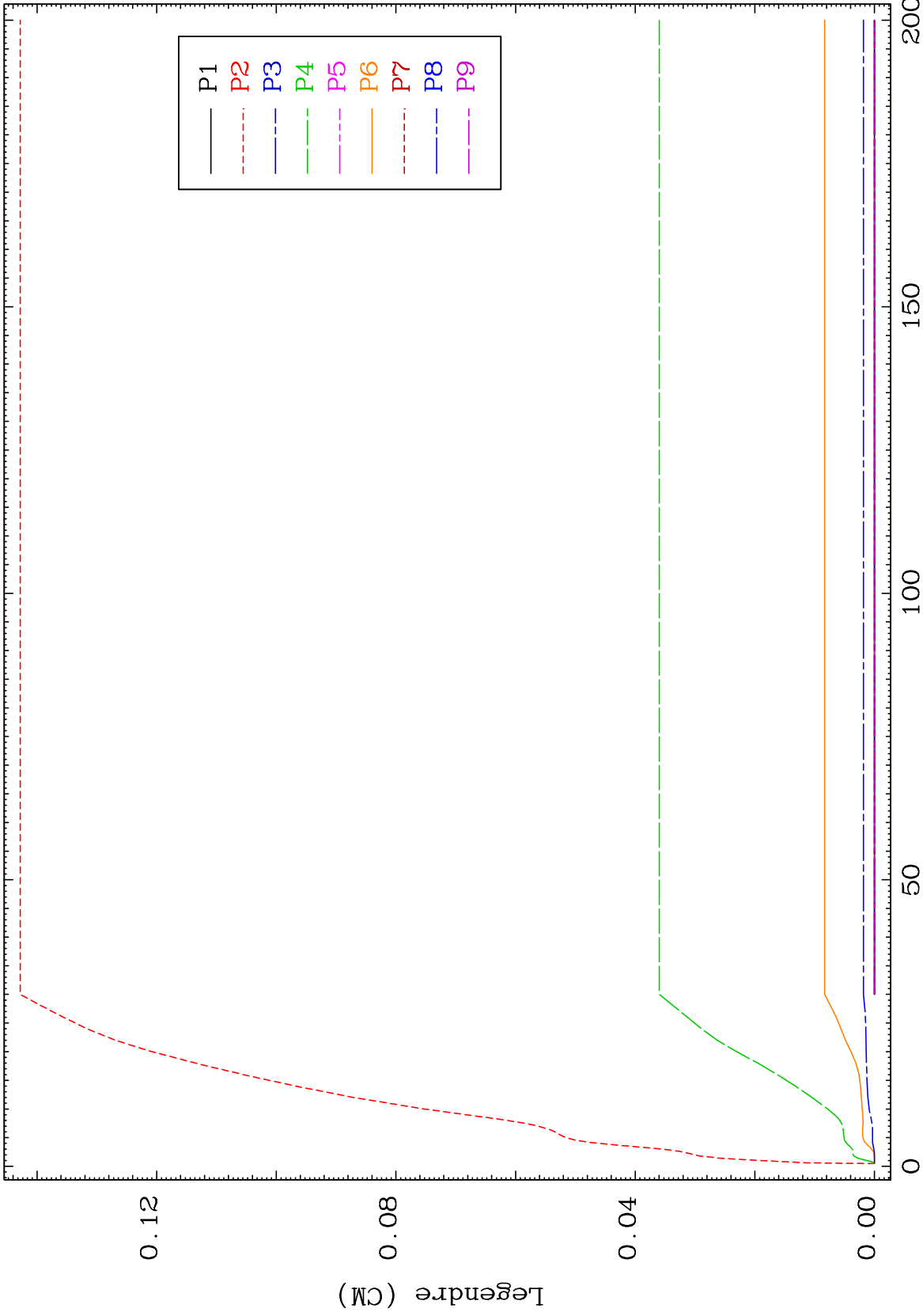
Incident Energy (MeV)

53-I -126

MAT 5322

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

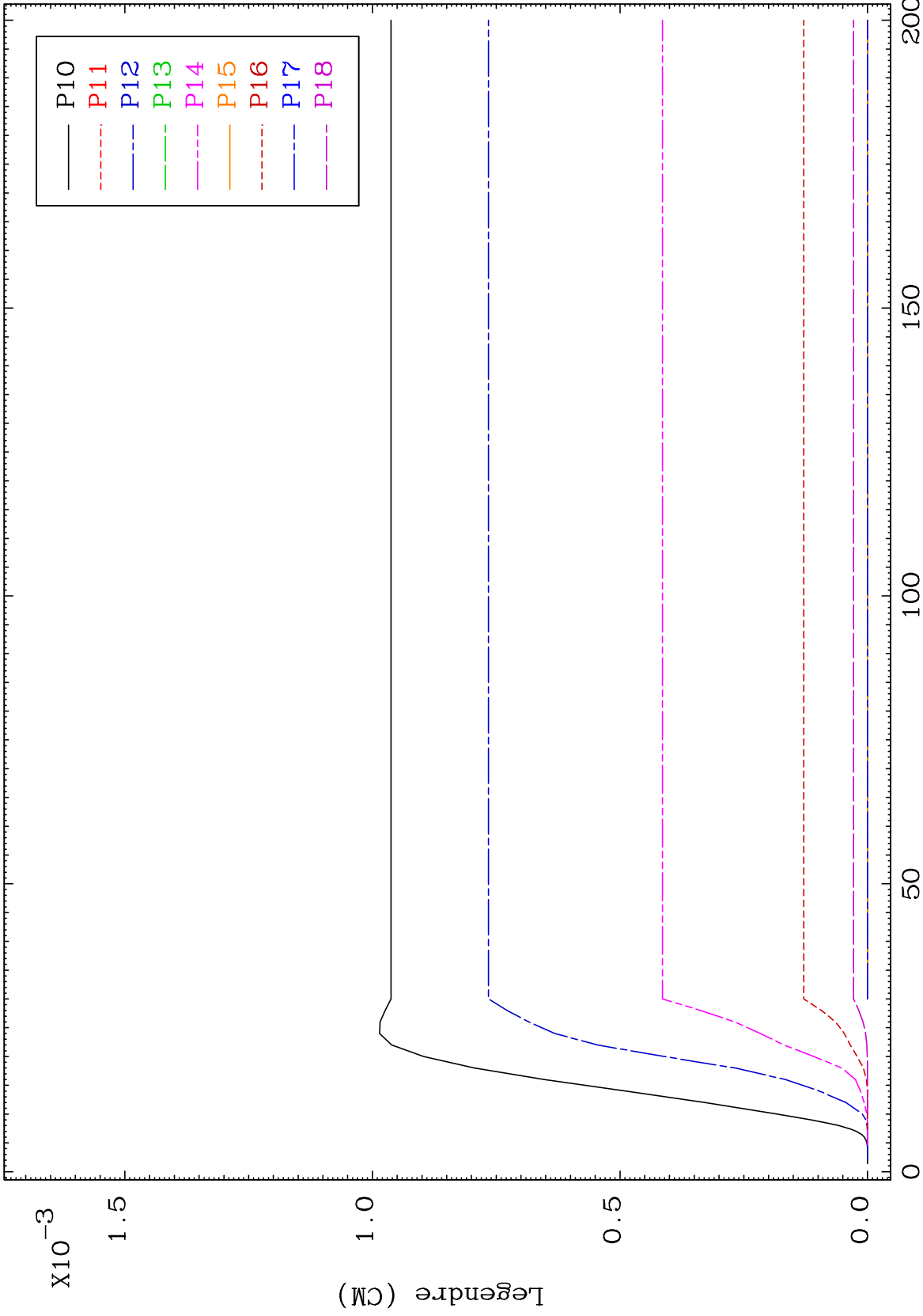
53-I -126



112

Incident Energy (MeV)

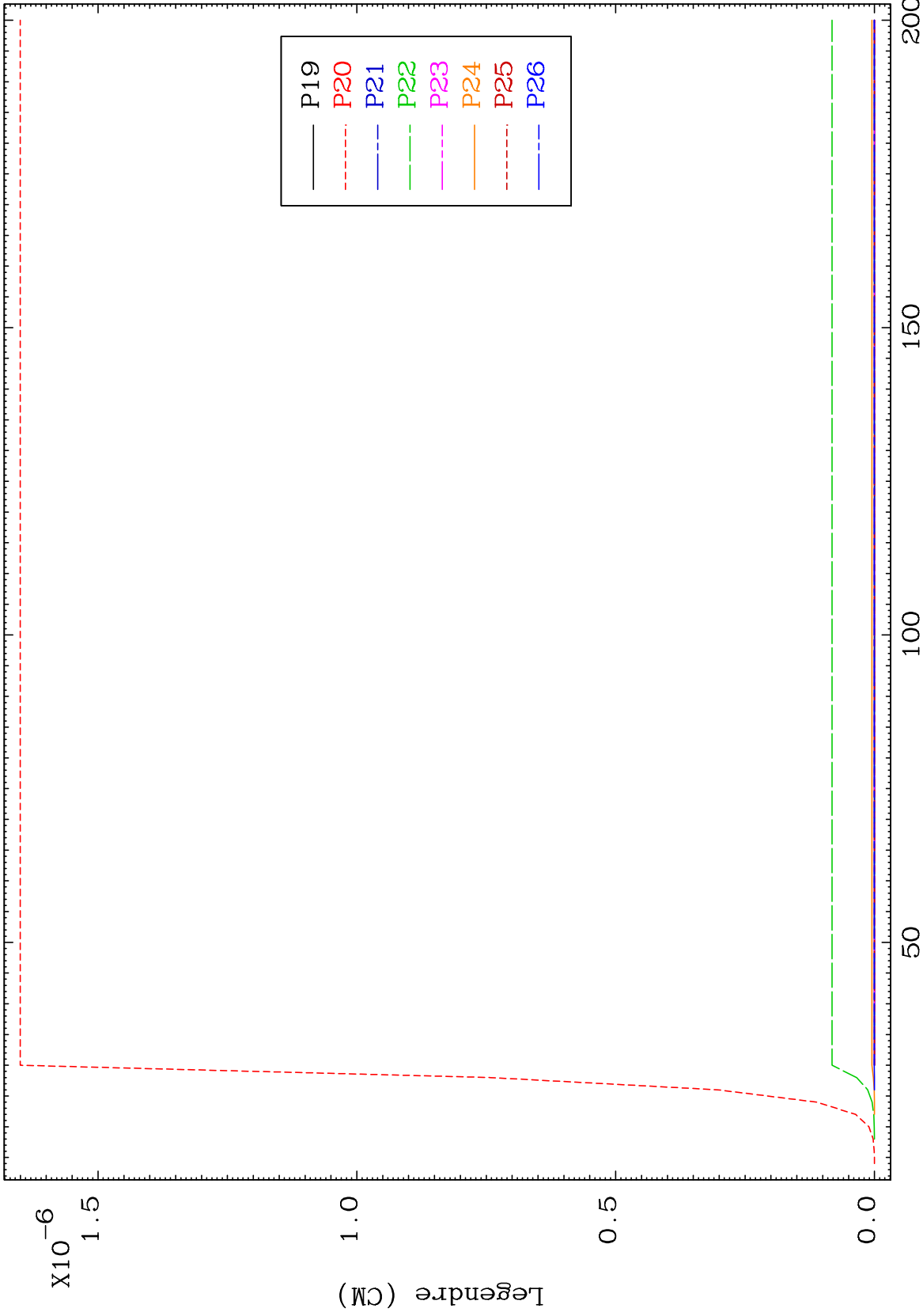
53-I -126



MAT 5322

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

53-I -126



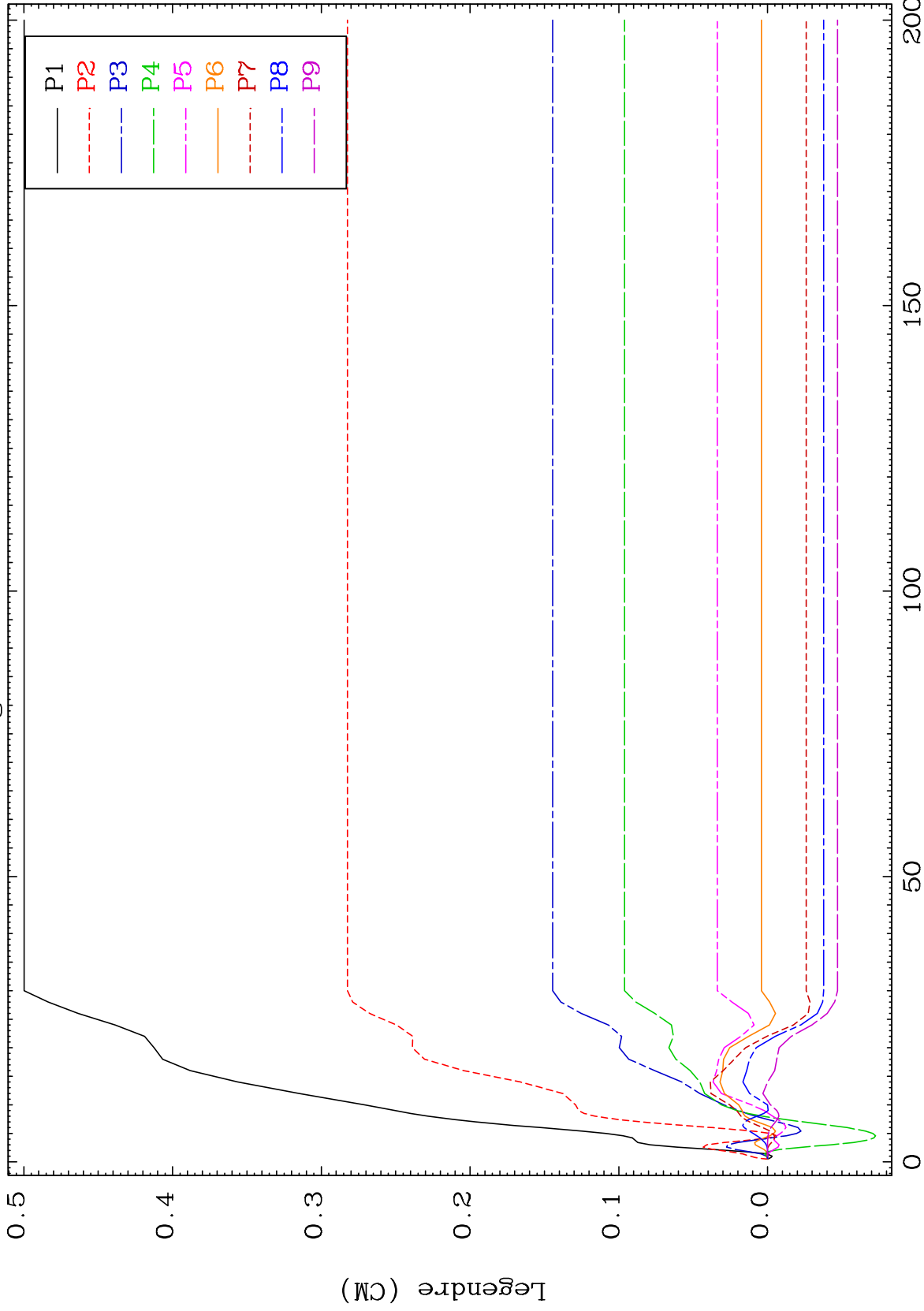
114

53-I -126

MAT 5322

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

53-I -126



115

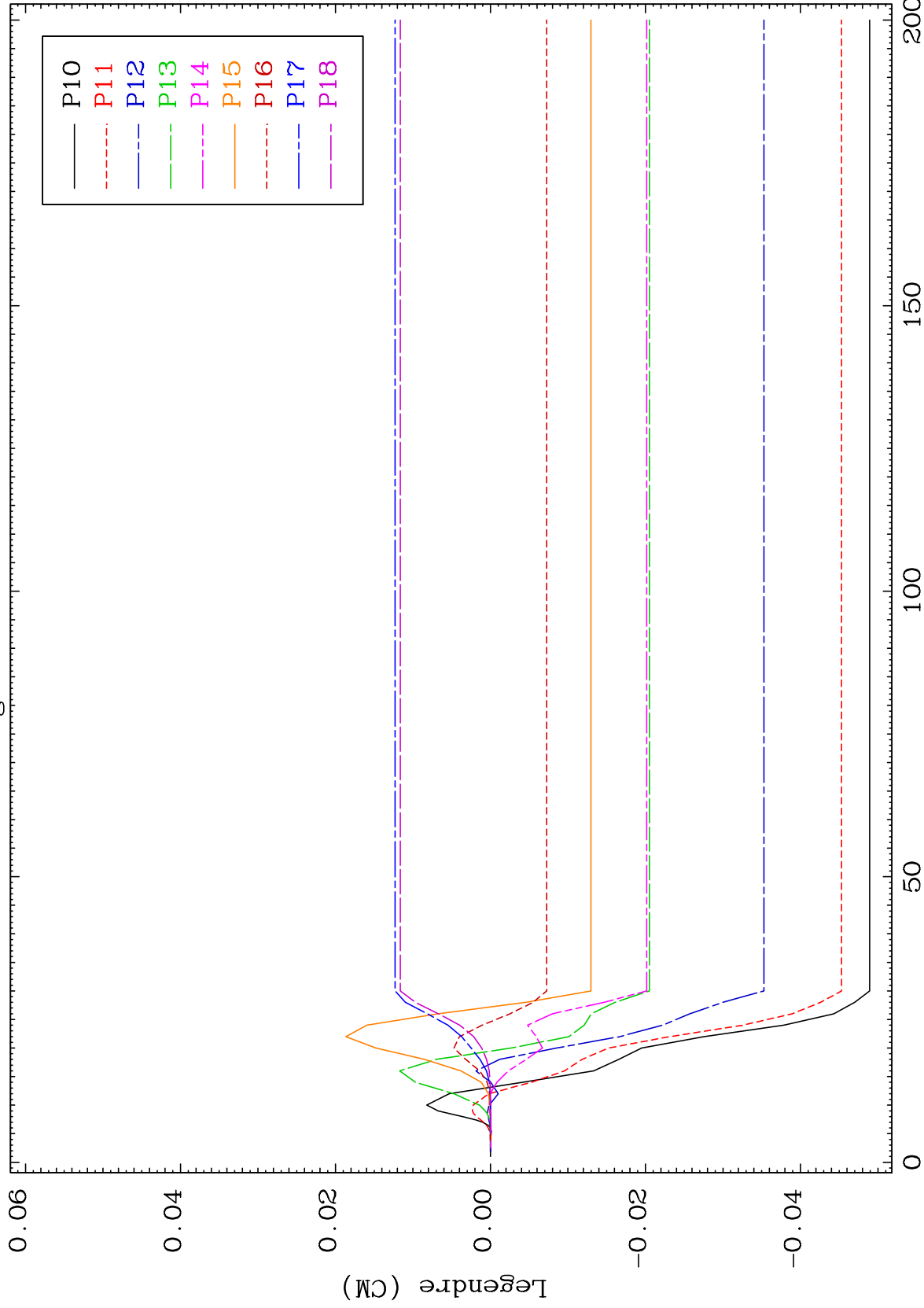
Incident Energy (MeV)

53-I -126

MAT 5322

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

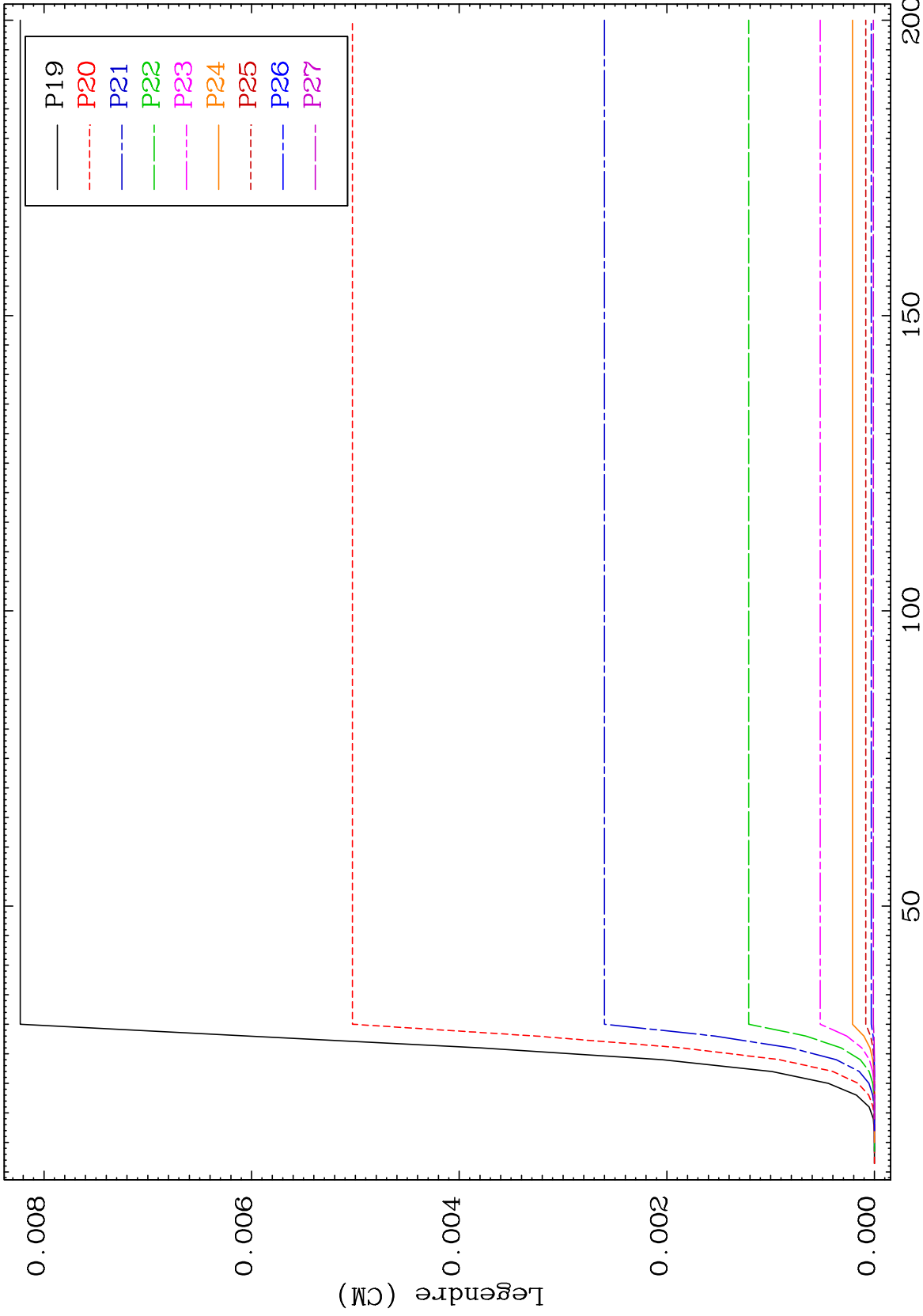
53-I -126

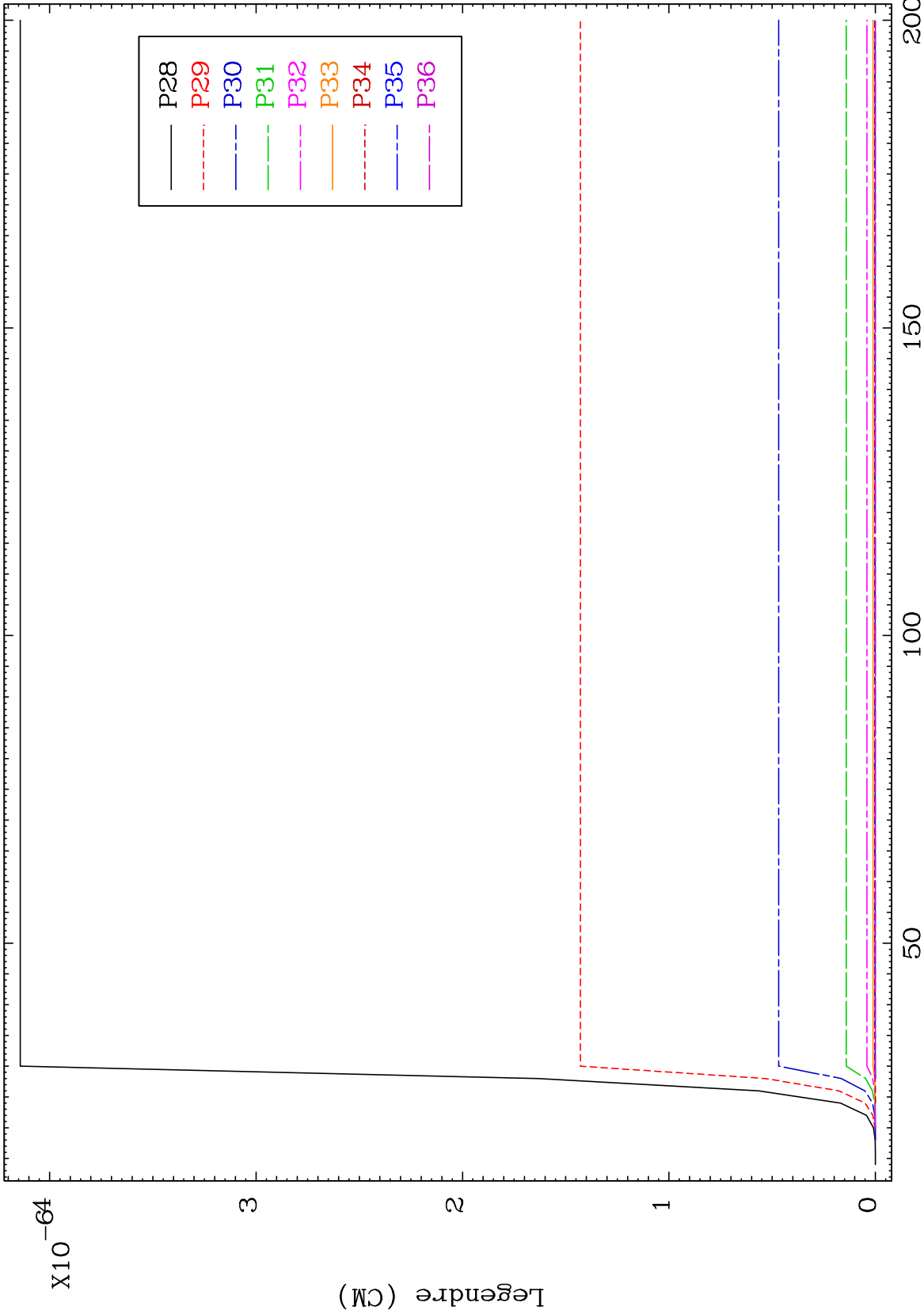


116

Incident Energy (MeV)

53-I -126

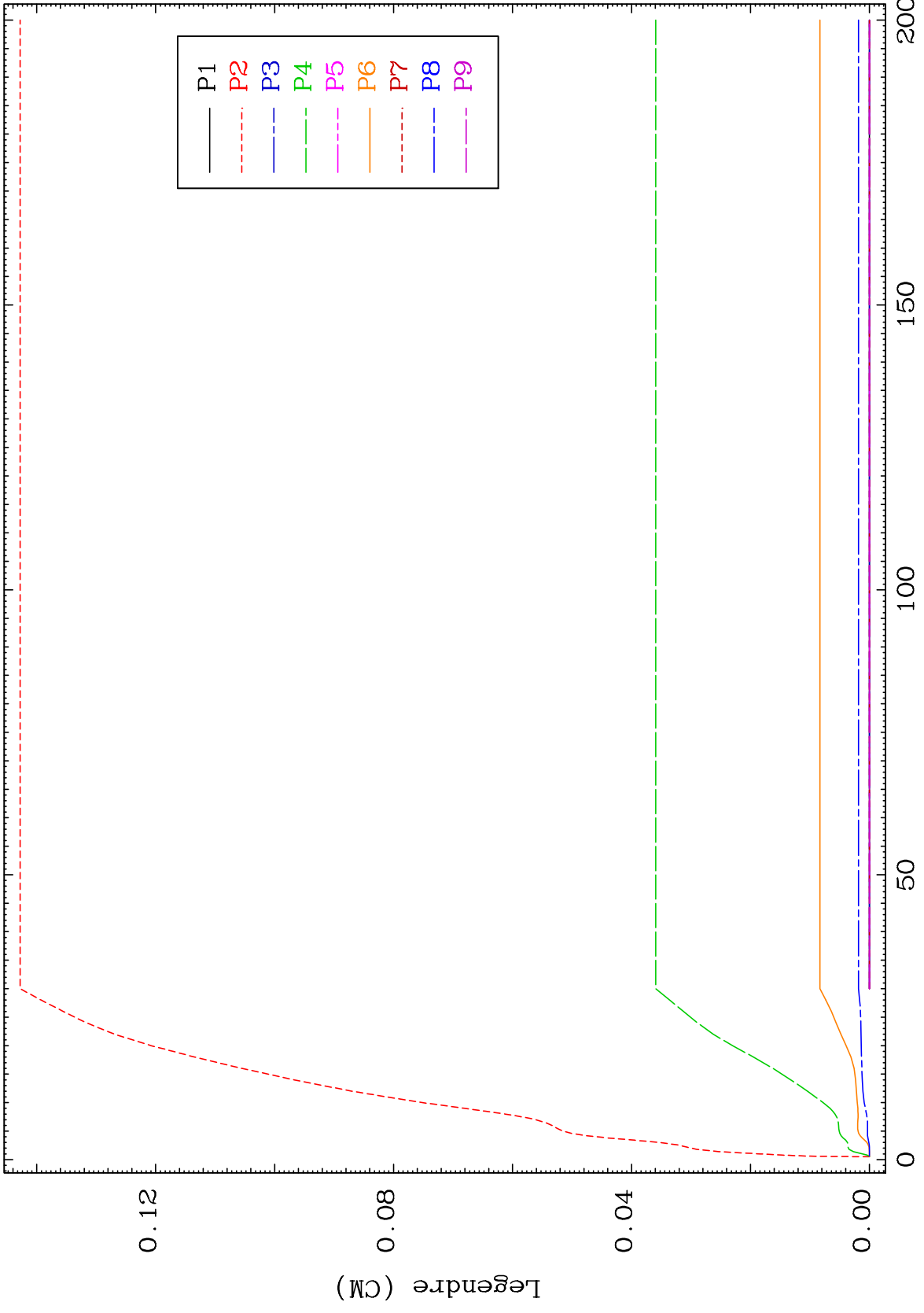




MAT 5322

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

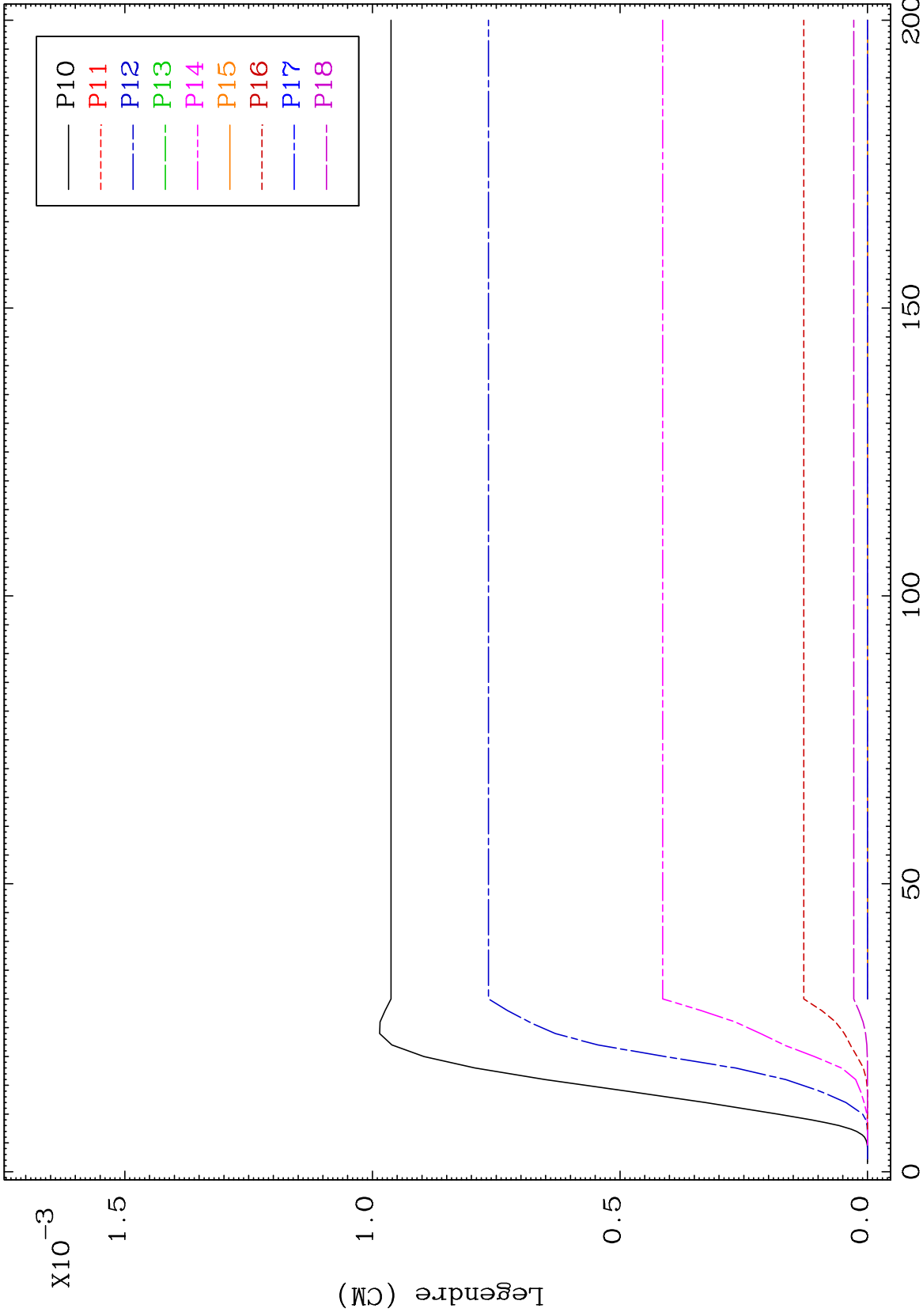
53-I -126



119

Incident Energy (MeV)

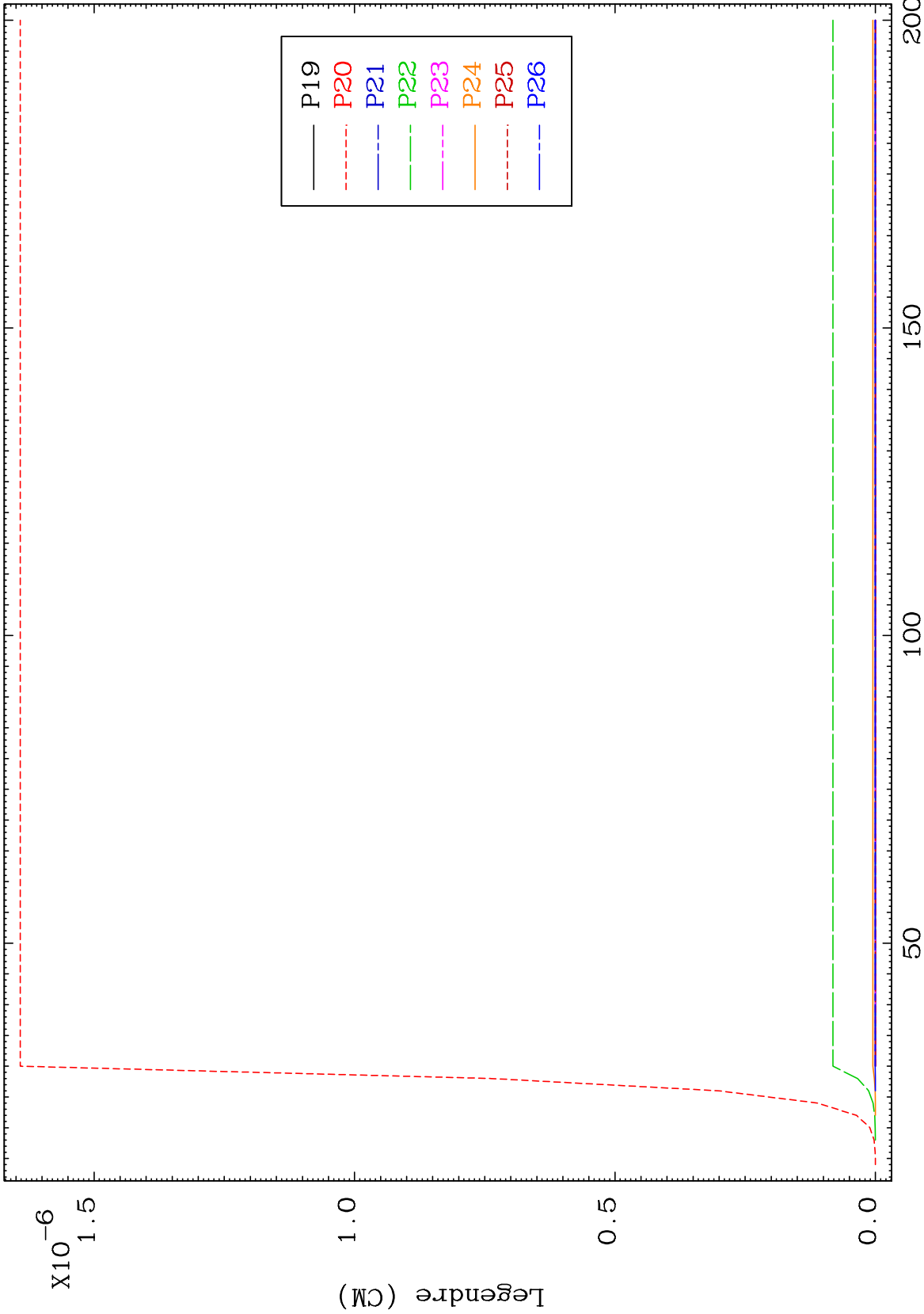
53-I -126



MAT 5322

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

53-I -126



121

Incident Energy (MeV)

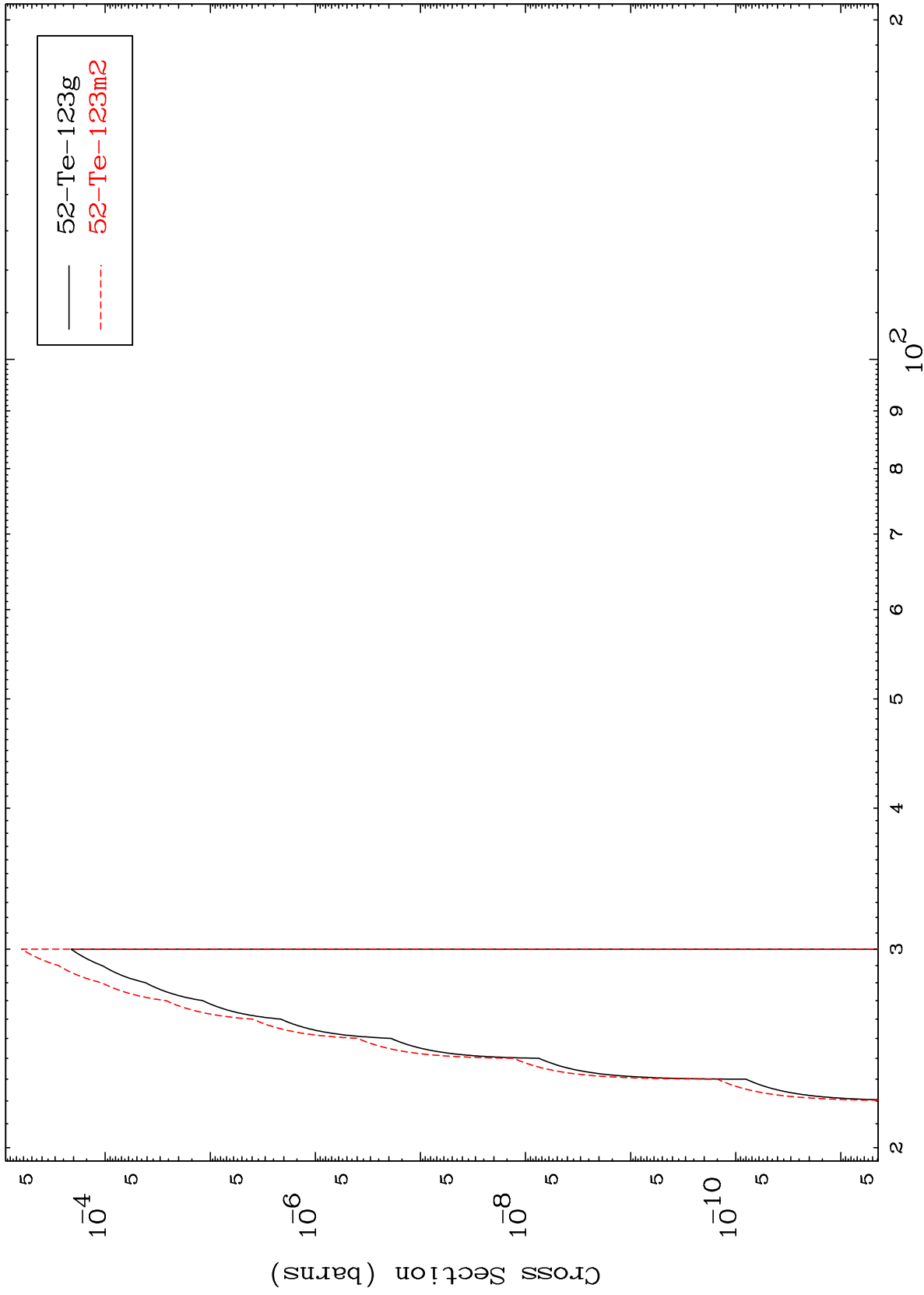
53-I -126

MAT 5322

(n,2n) d

53-I -126

Radionuclide Production Cross Section



122

Incident Energy (MeV)

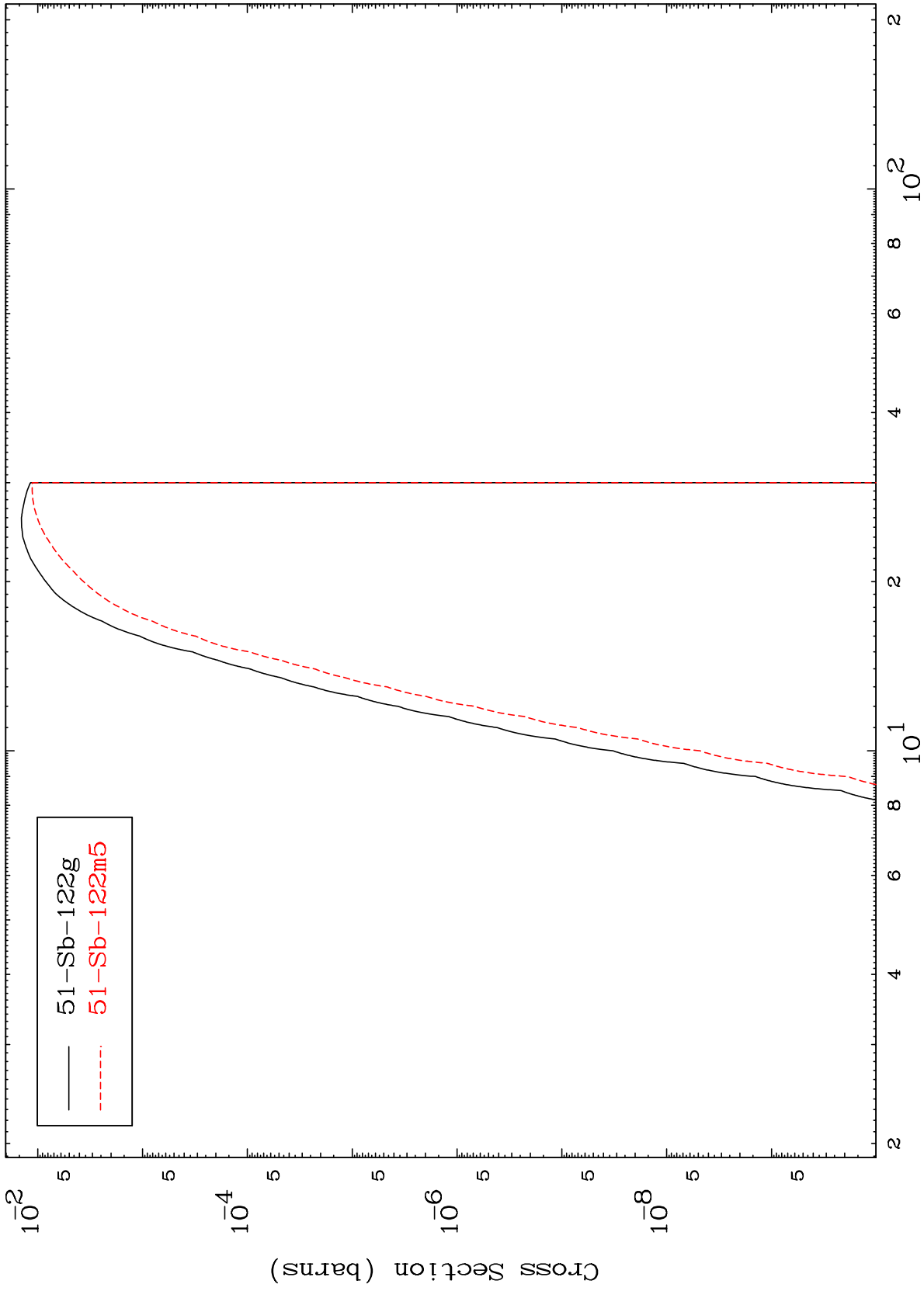
53-I -126

MAT 5322

(n,n') α

53-I -126

Radionuclide Production Cross Section



51-Sb-122g
51-Sb-122m5

123

Incident Energy (MeV)

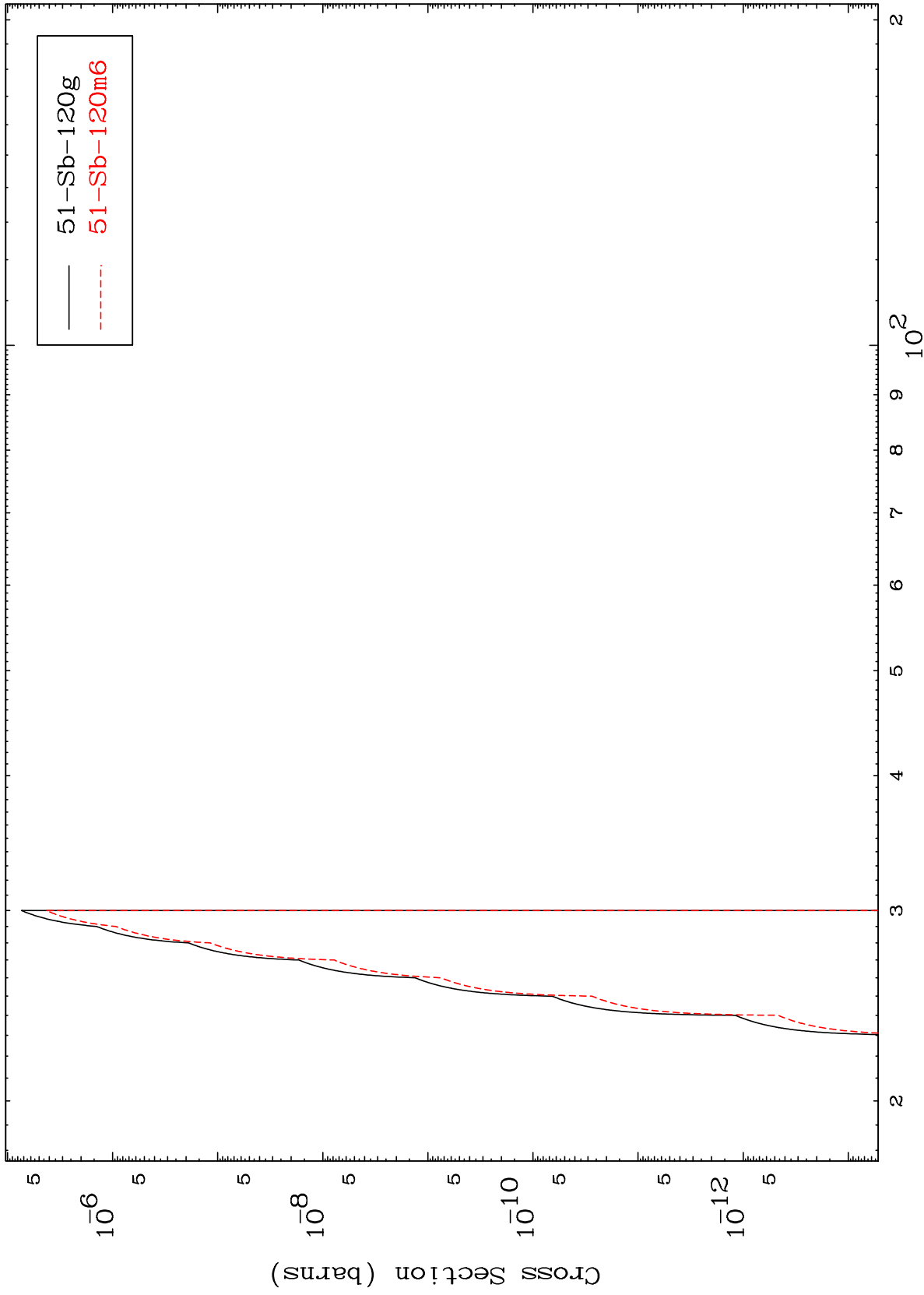
53-I -126

MAT 5322

(n,3n) α

53-I -126

Radionuclide Production Cross Section



124

Incident Energy (MeV)

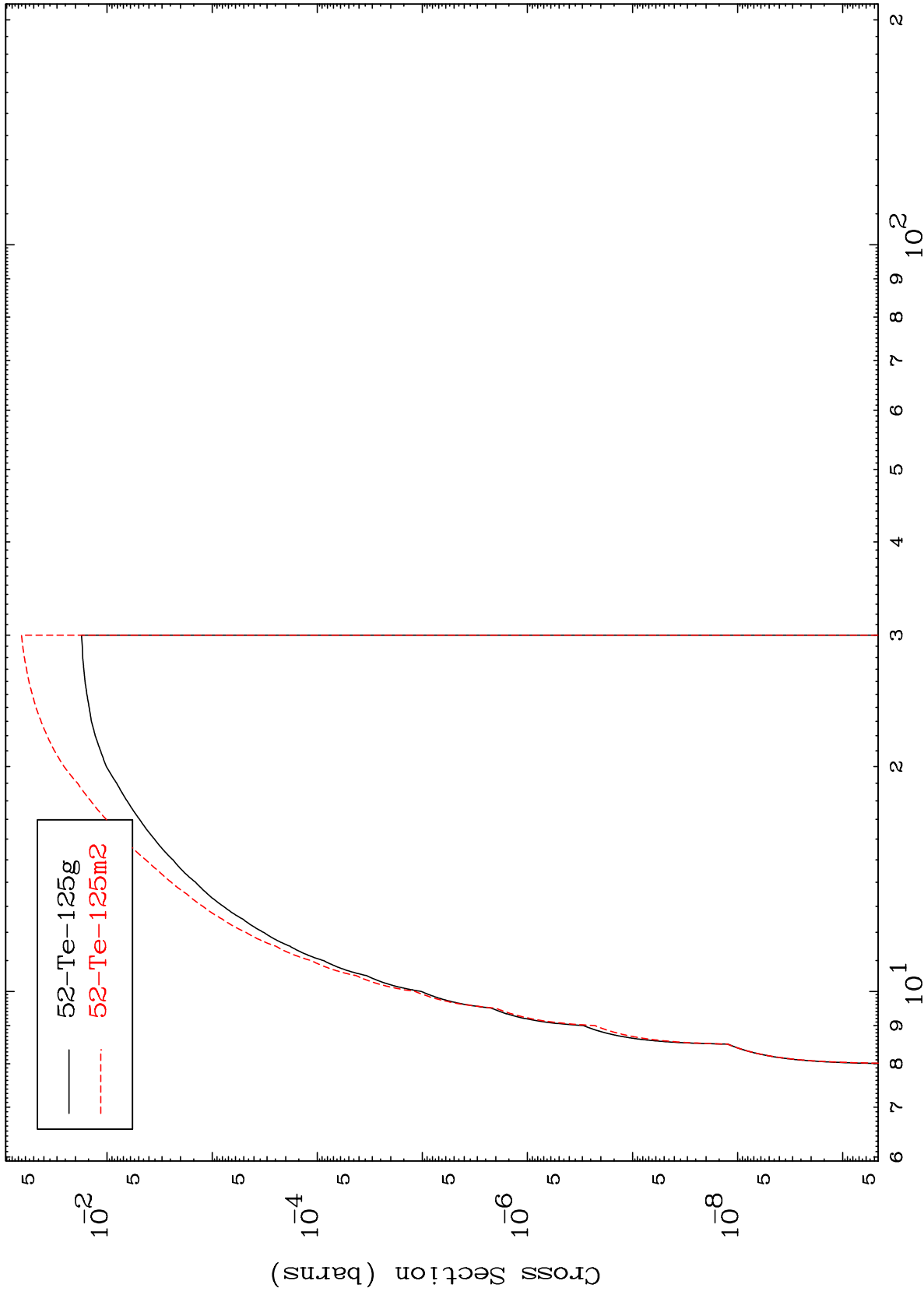
53-I -126

MAT 5322

(n,n') p

53-I -126

Radionuclide Production Cross Section

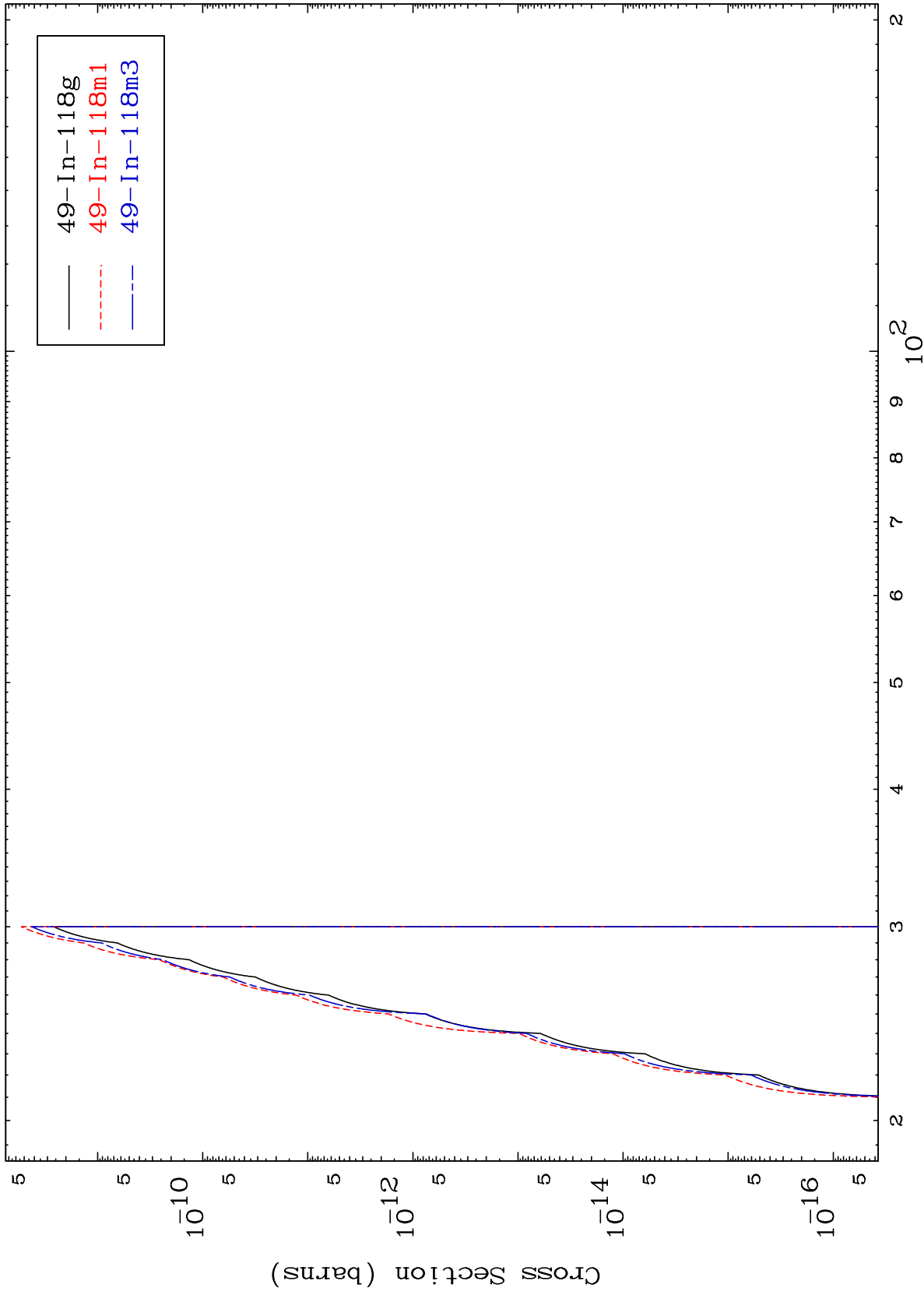


125

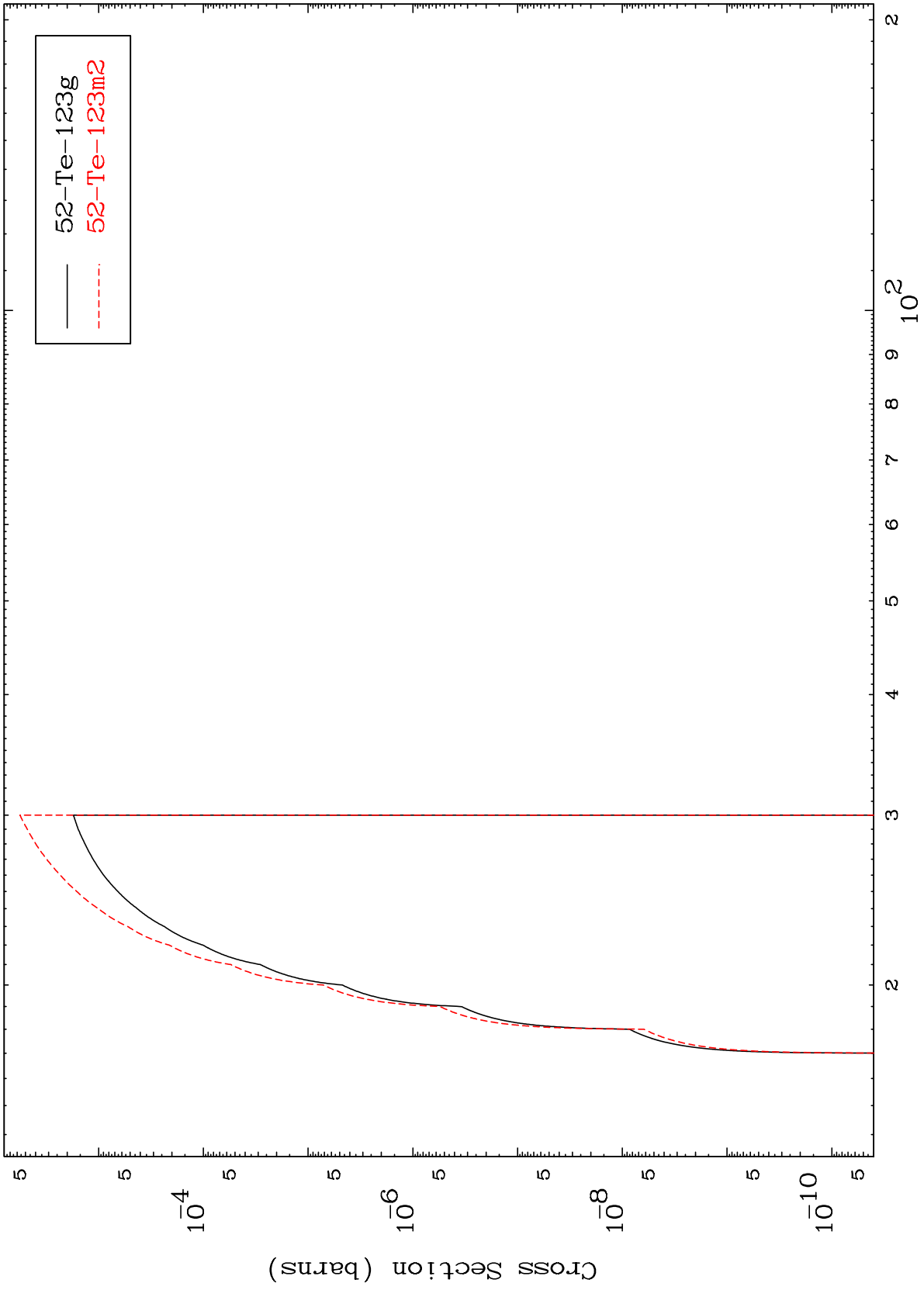
Incident Energy (MeV)

53-I -126

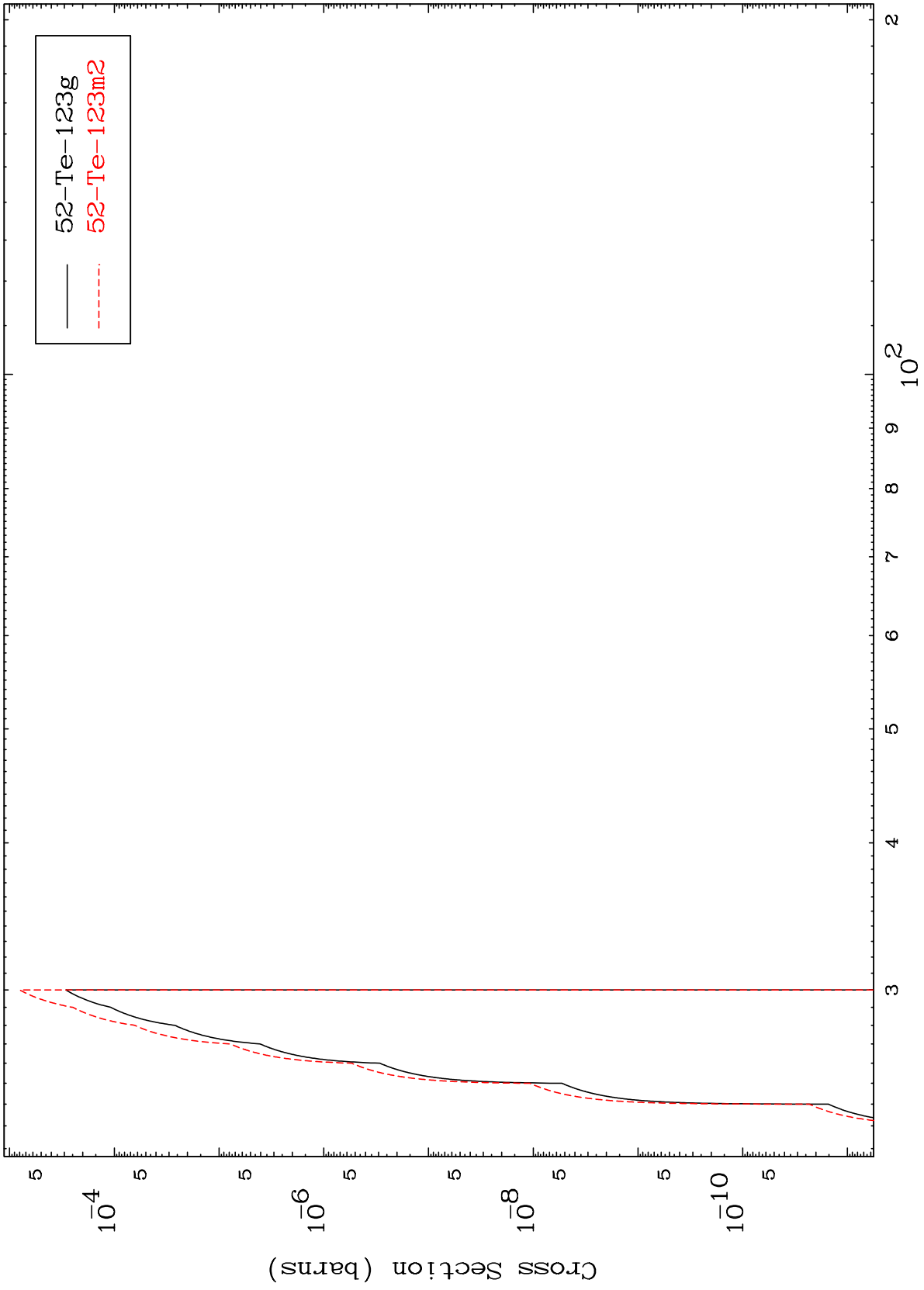
Radionuclide Production Cross Section



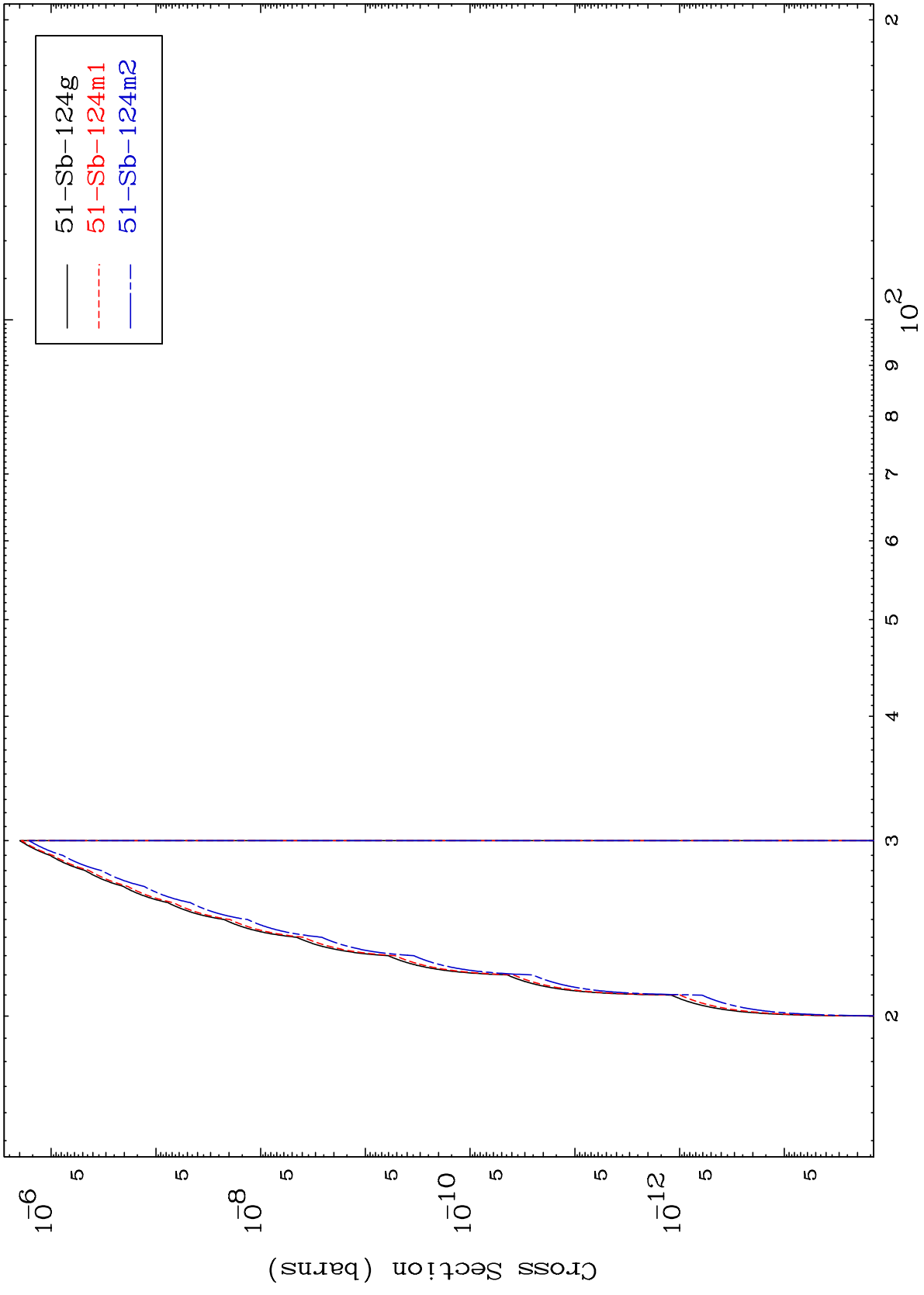
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

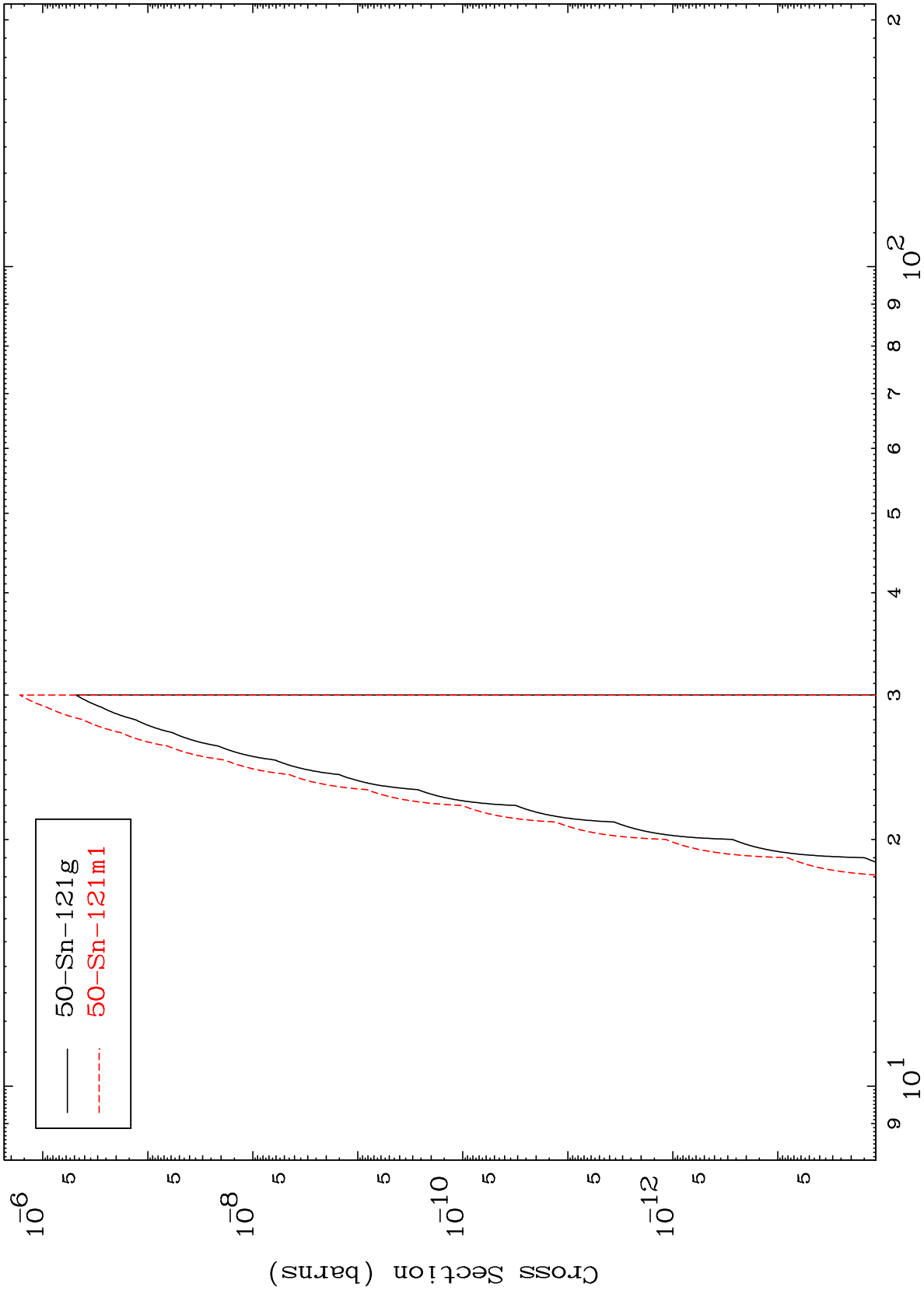


MAT 5322

(n,n') p α

53-I -126

Radionuclide Production Cross Section



130

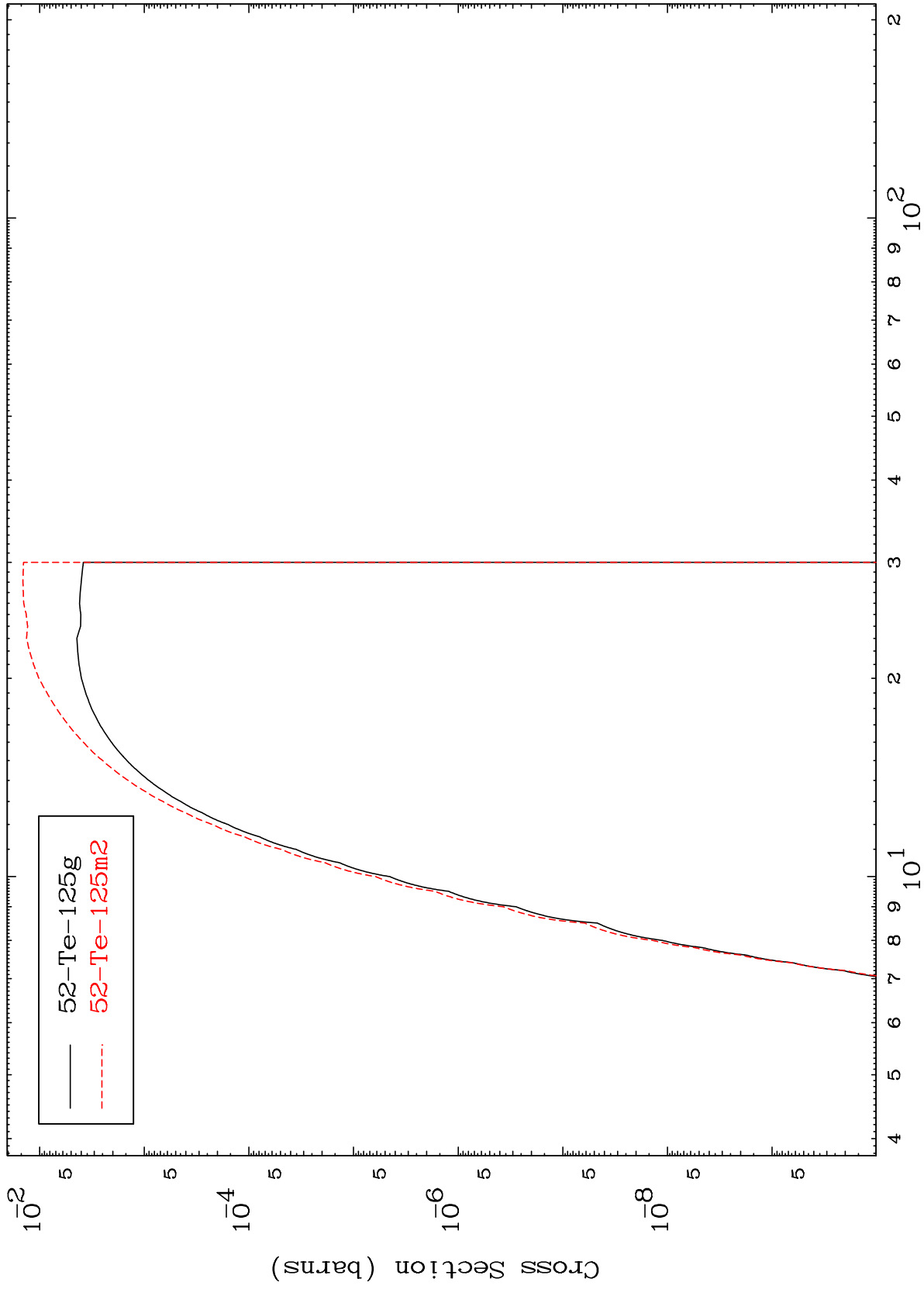
Incident Energy (MeV)

53-I -126

MAT 5322

53-I -126

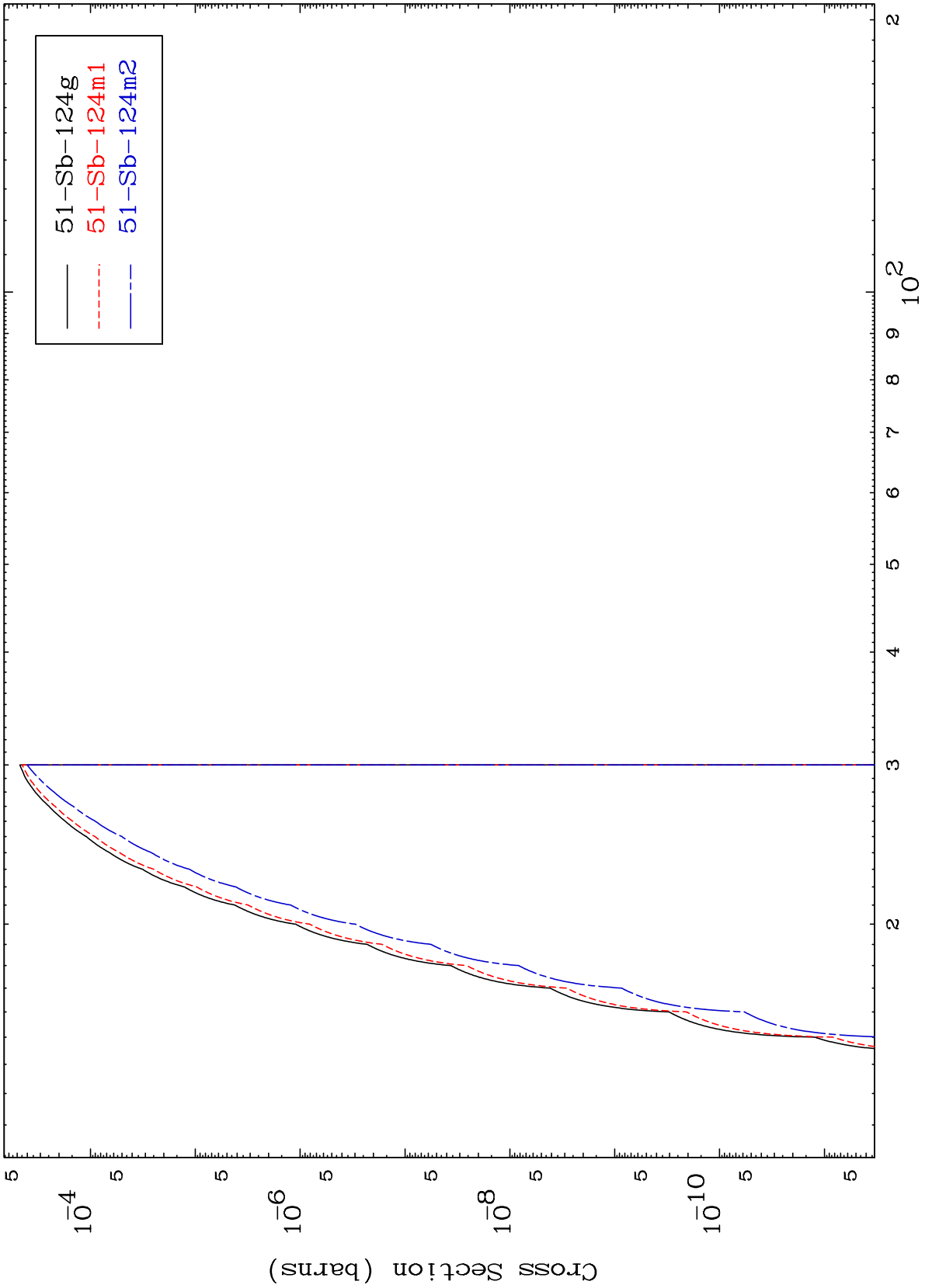
(n,d)
Radionuclide Production Cross Section



131

53-I -126

Radionuclide Production Cross Section

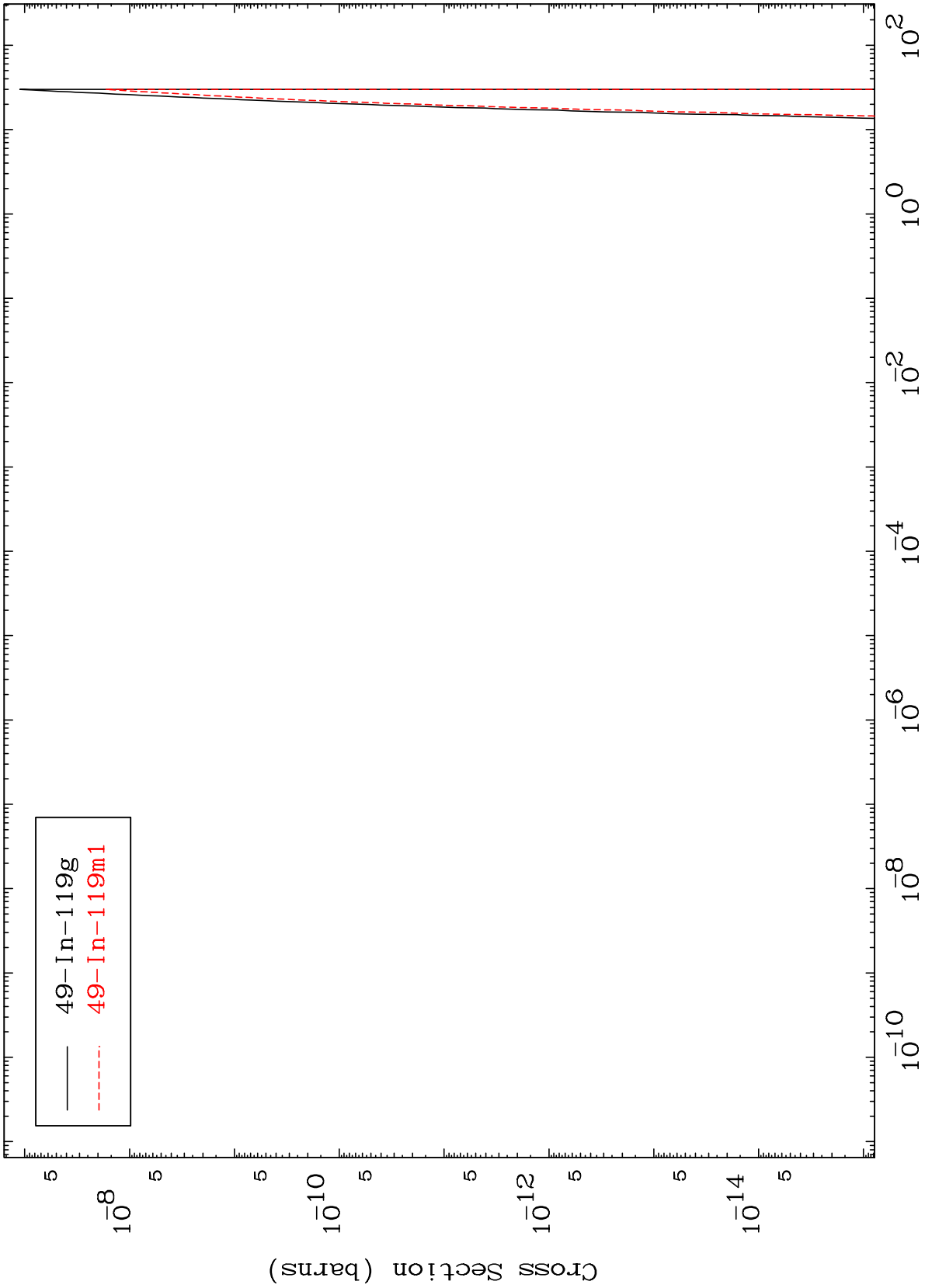


MAT 5322

(n,2α)

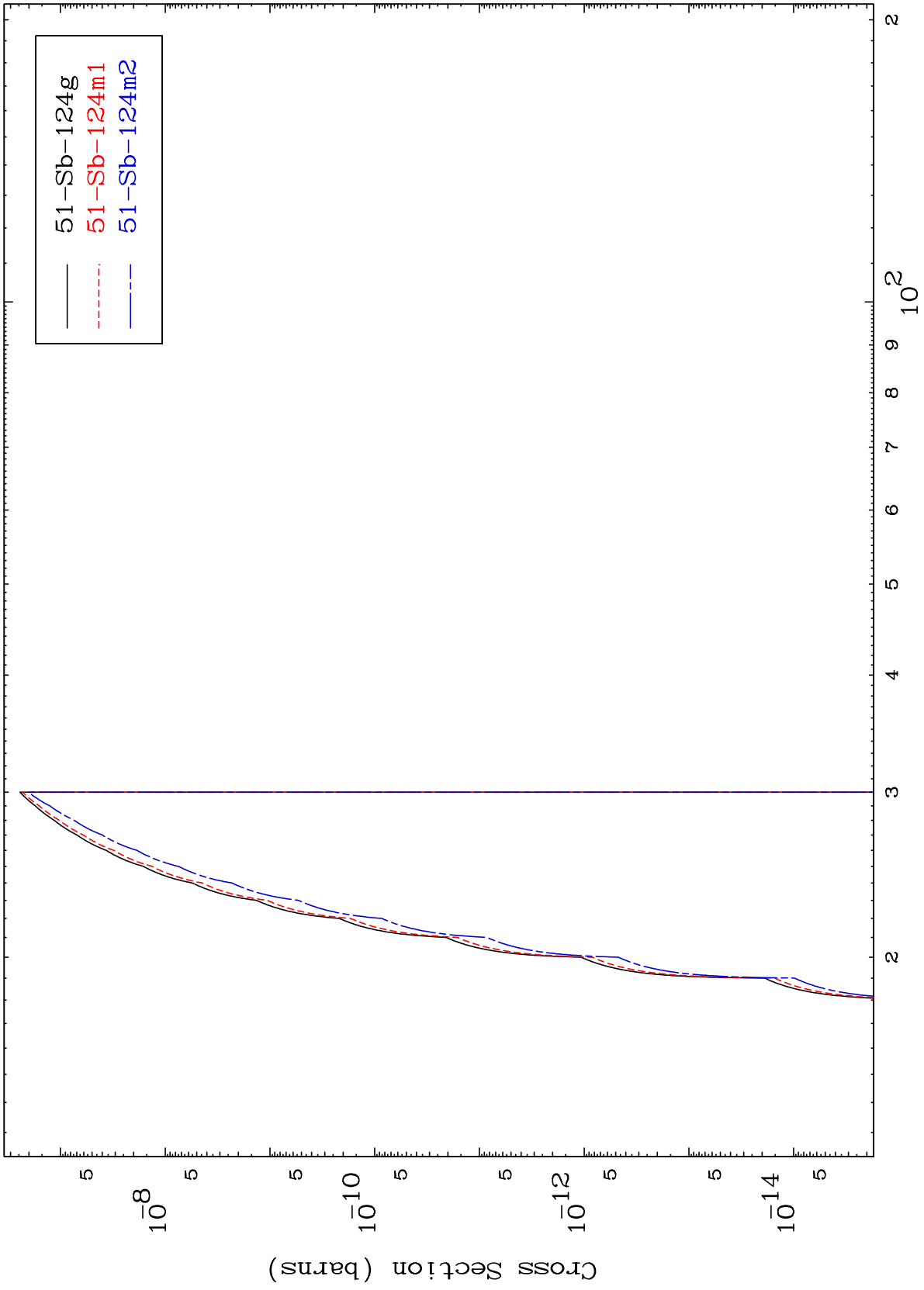
53-I -126

Radionuclide Production Cross Section



— 49-In-119g
- - - 49-In-119m1

Radionuclide Production Cross Section

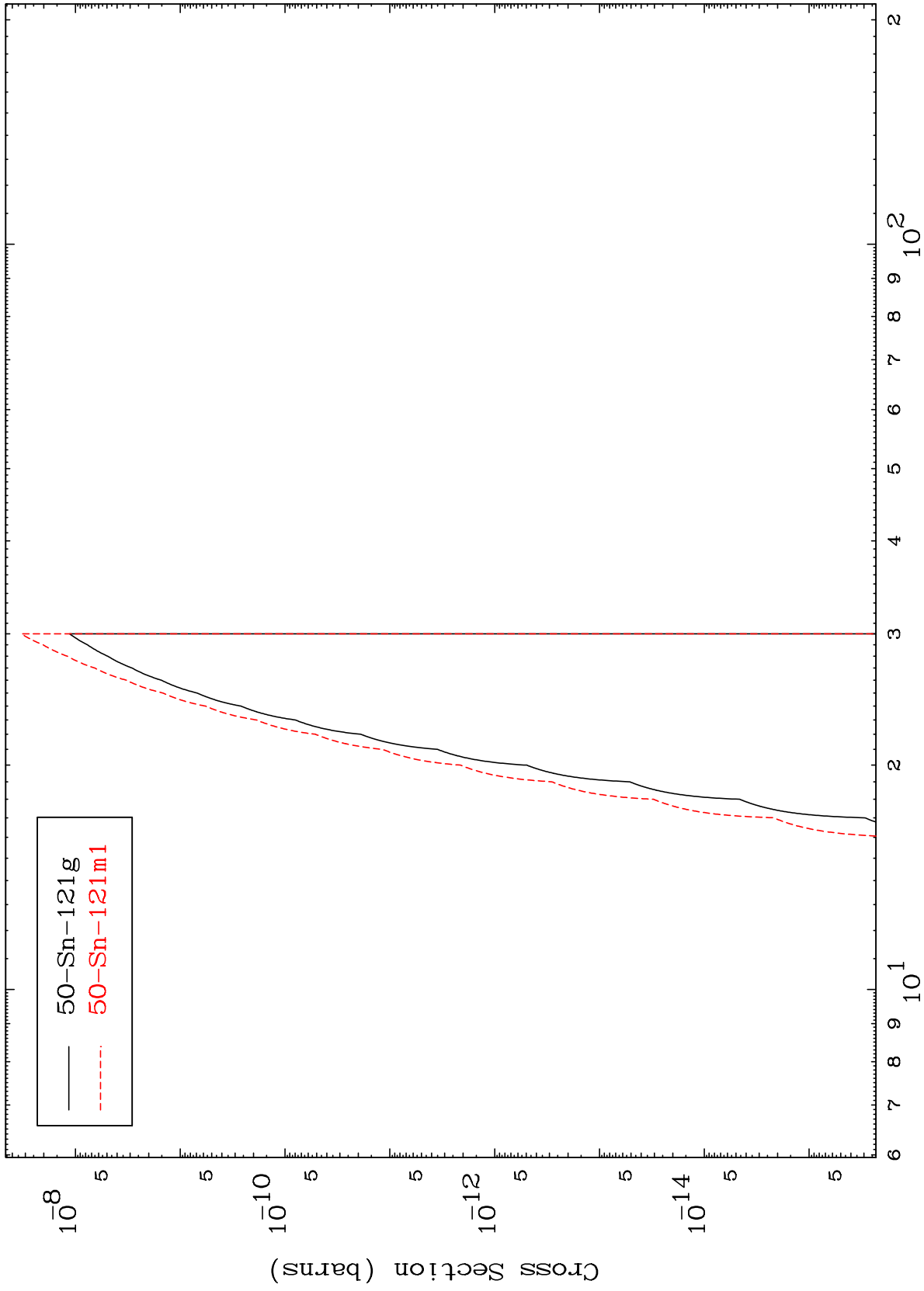


MAT 5322

(n,d) α

53-I -126

Radionuclide Production Cross Section



135

Incident Energy (MeV)

53-I -126