

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

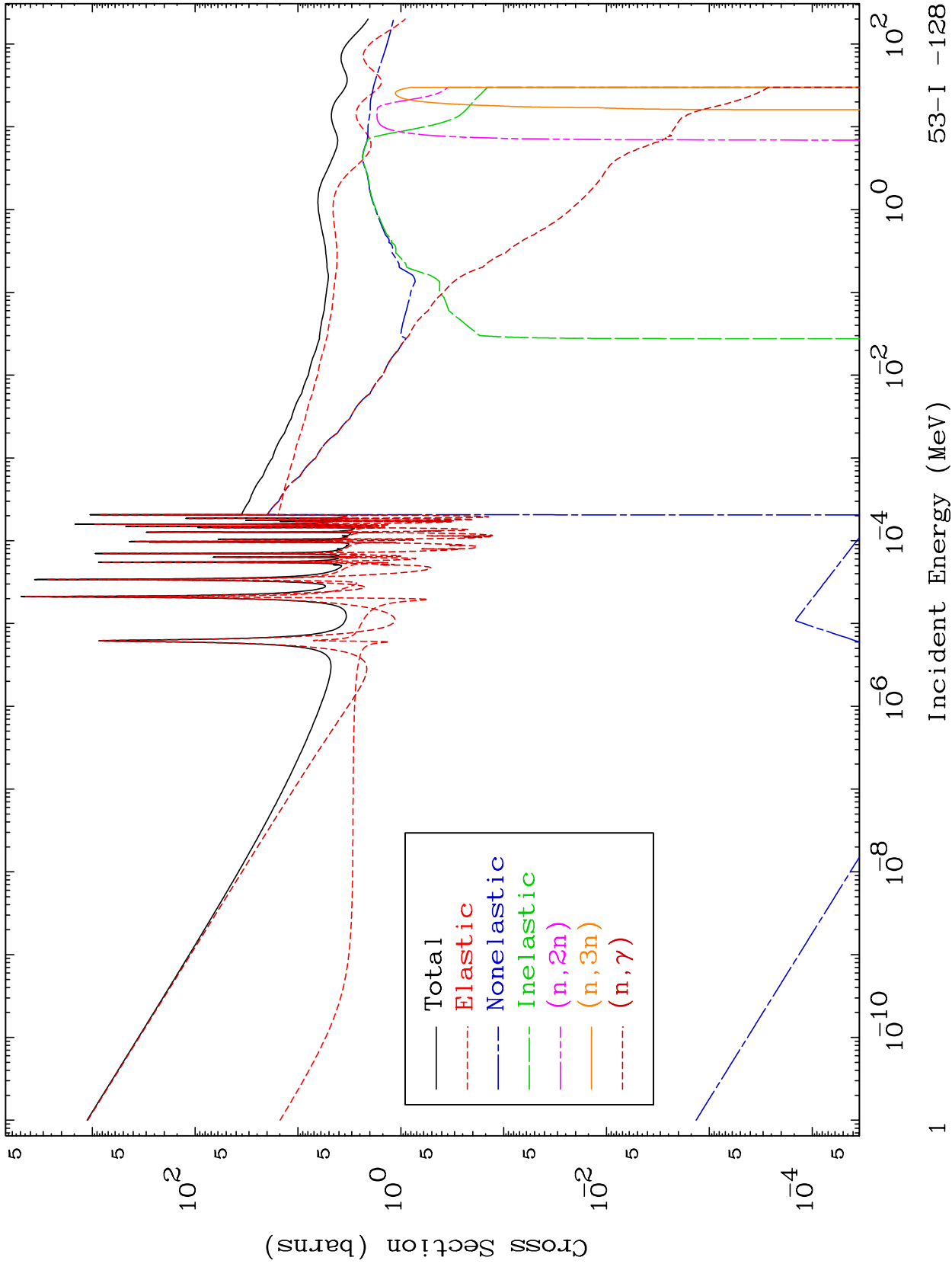
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

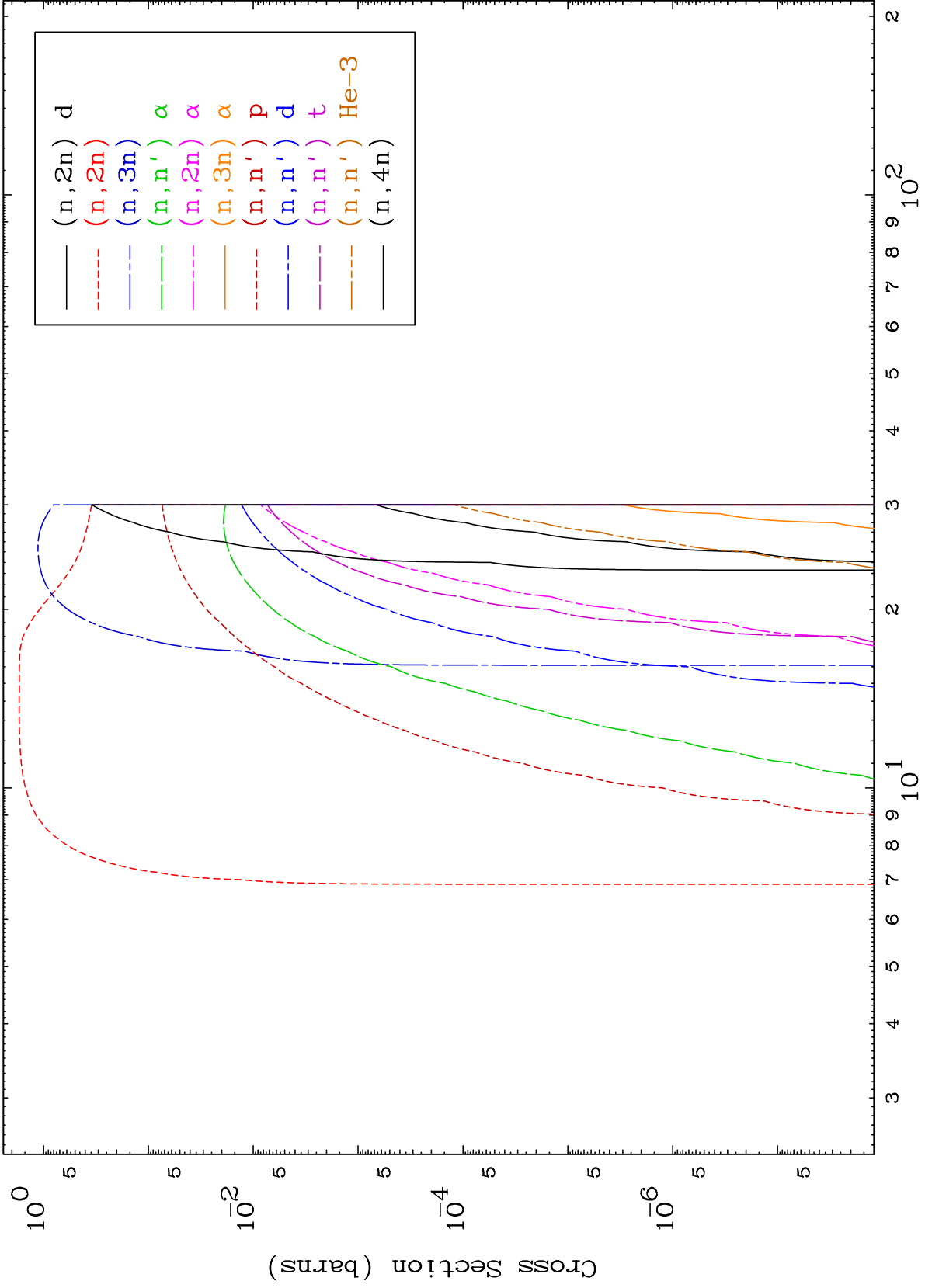
Tele: 925-443-1911

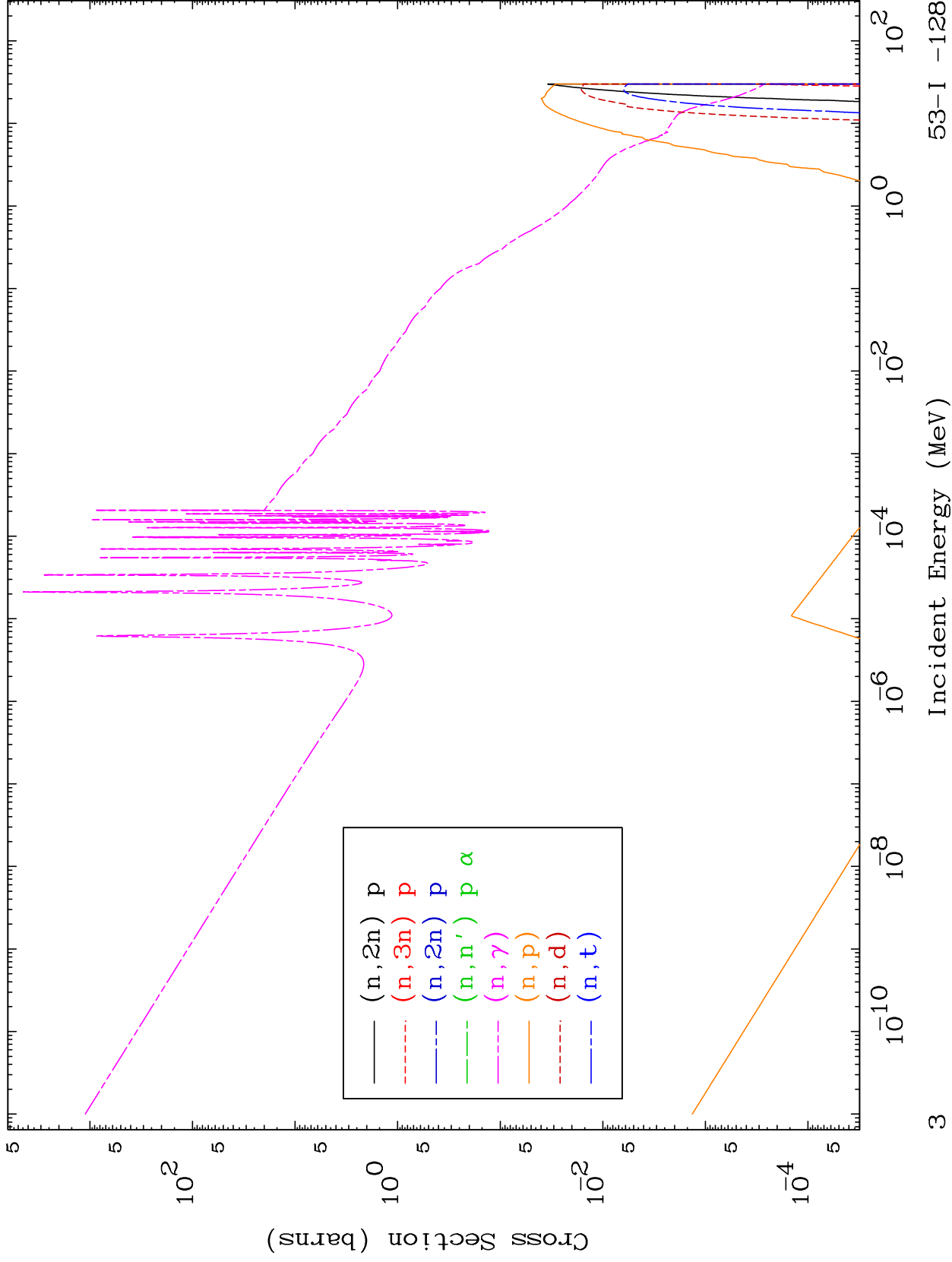
E.Mail:redcullen1@comcast.net

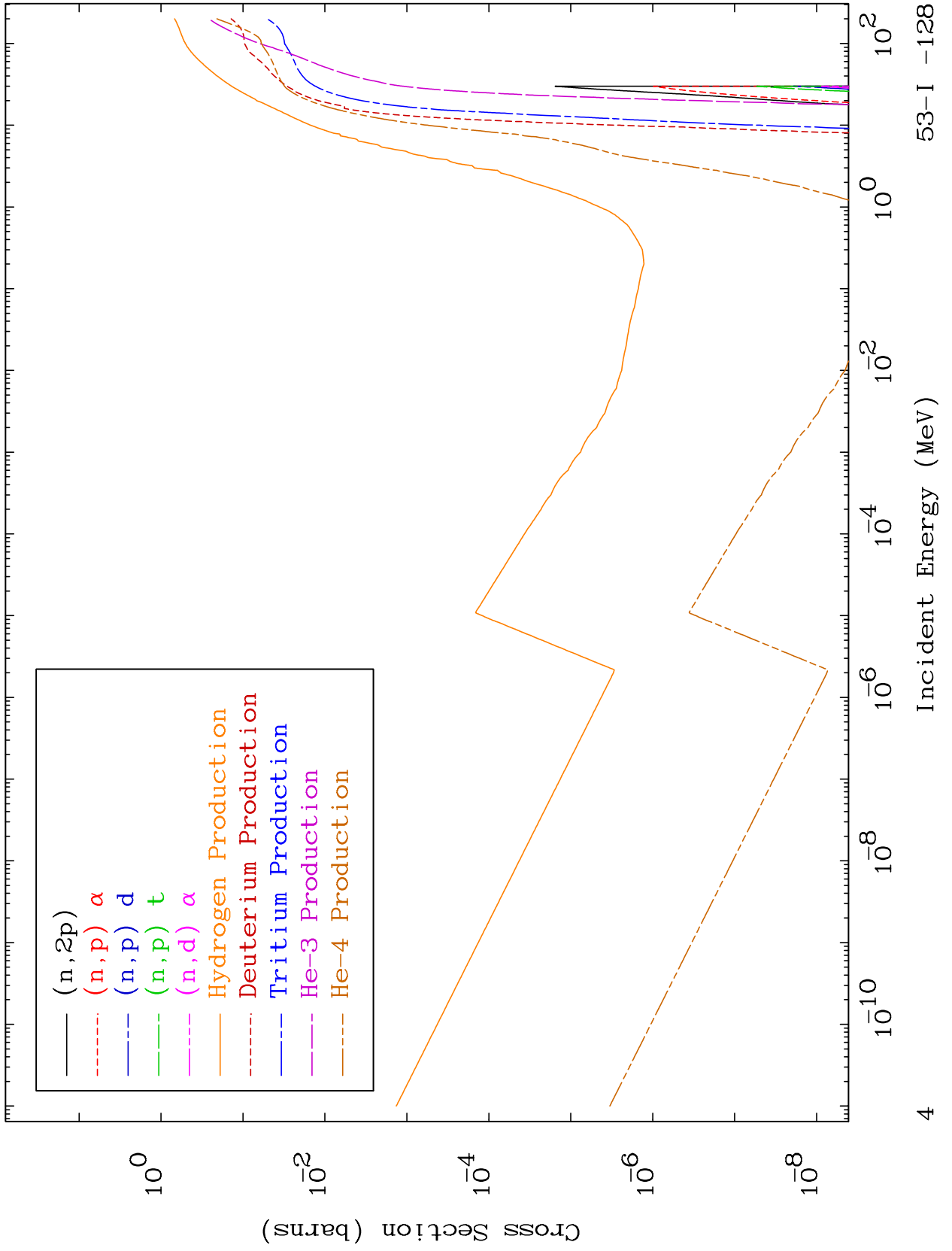
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start





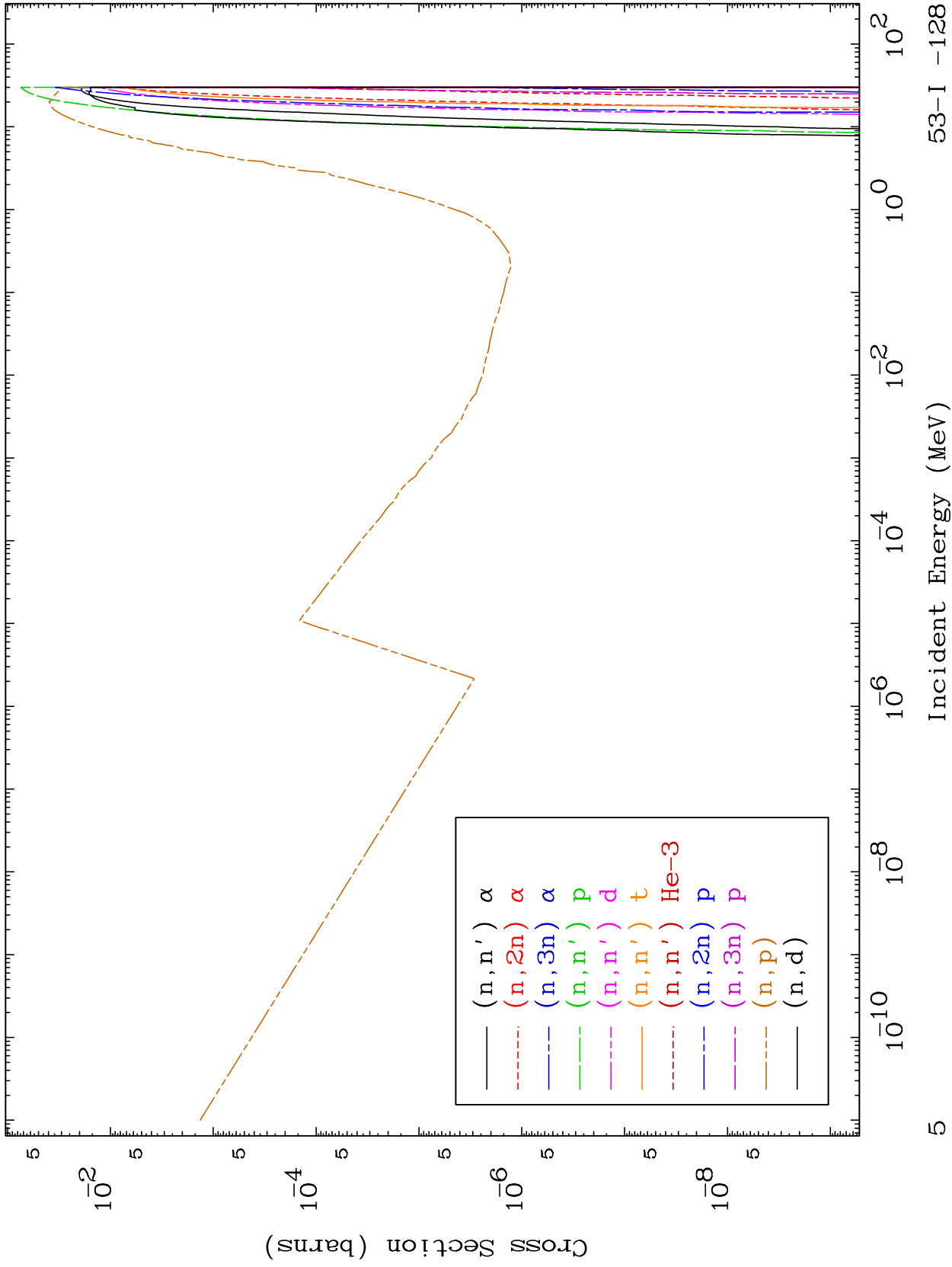


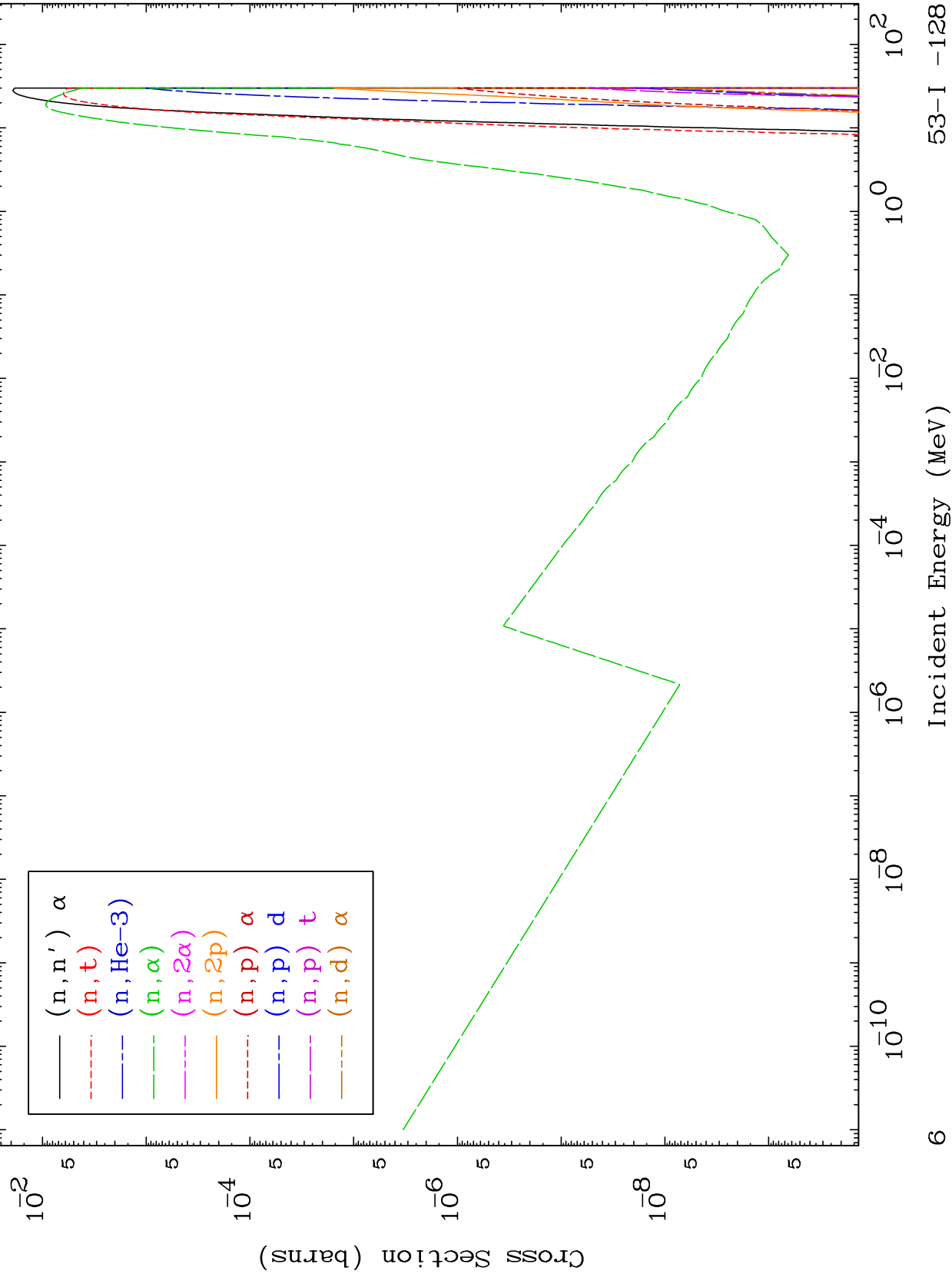


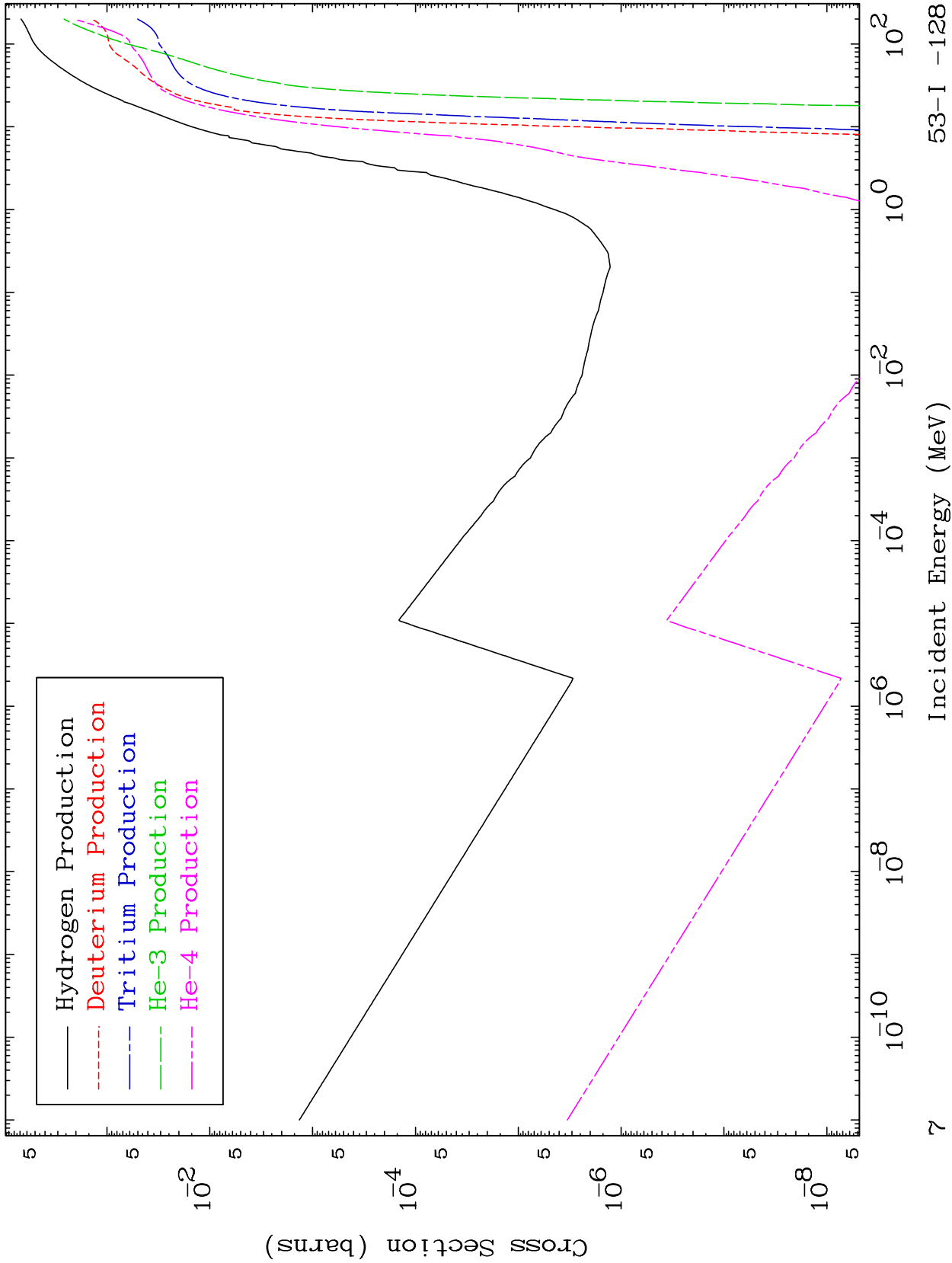
MAT 5328

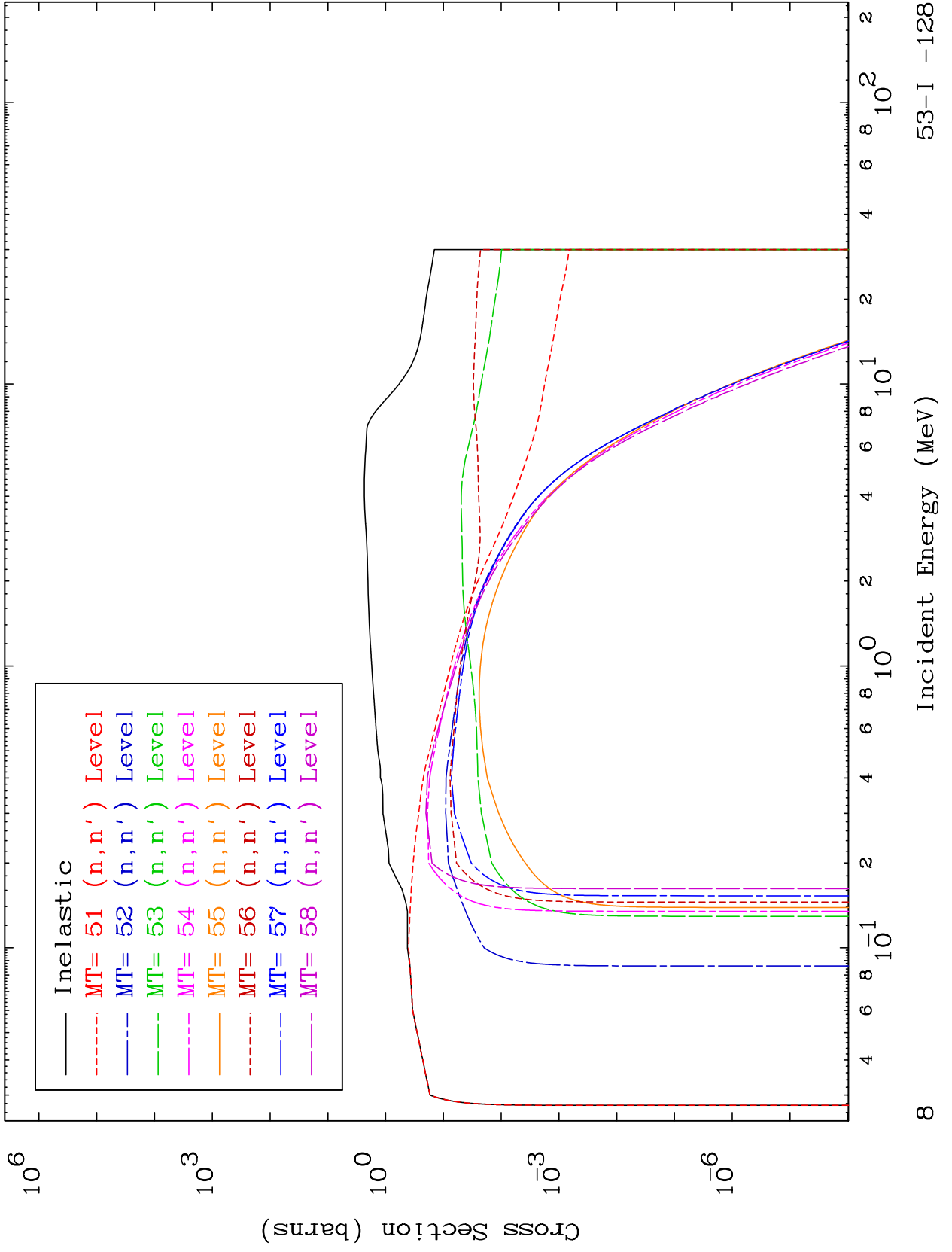
Charged Particle  
293 Kelvin Cross Sections

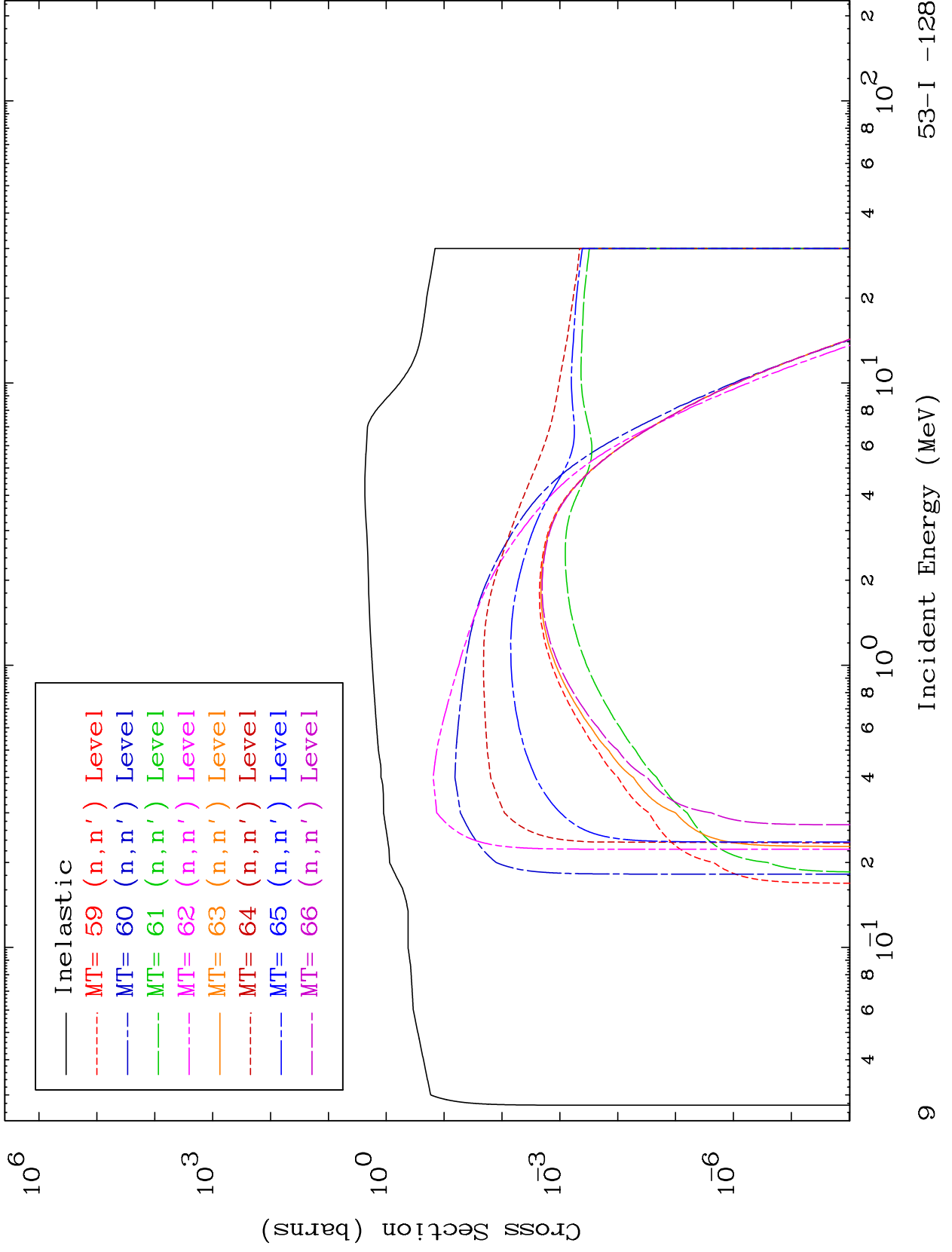
53-I -128

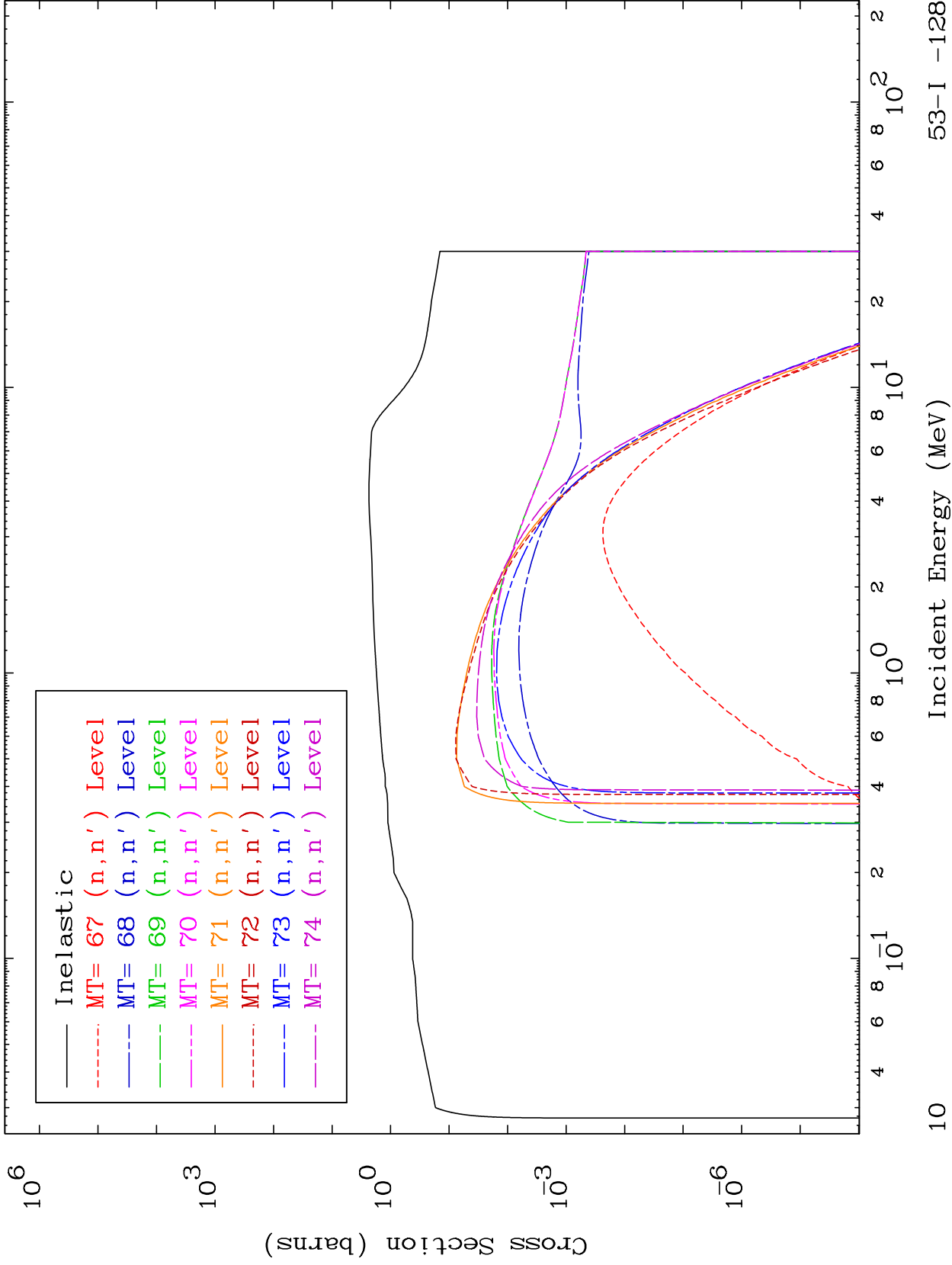


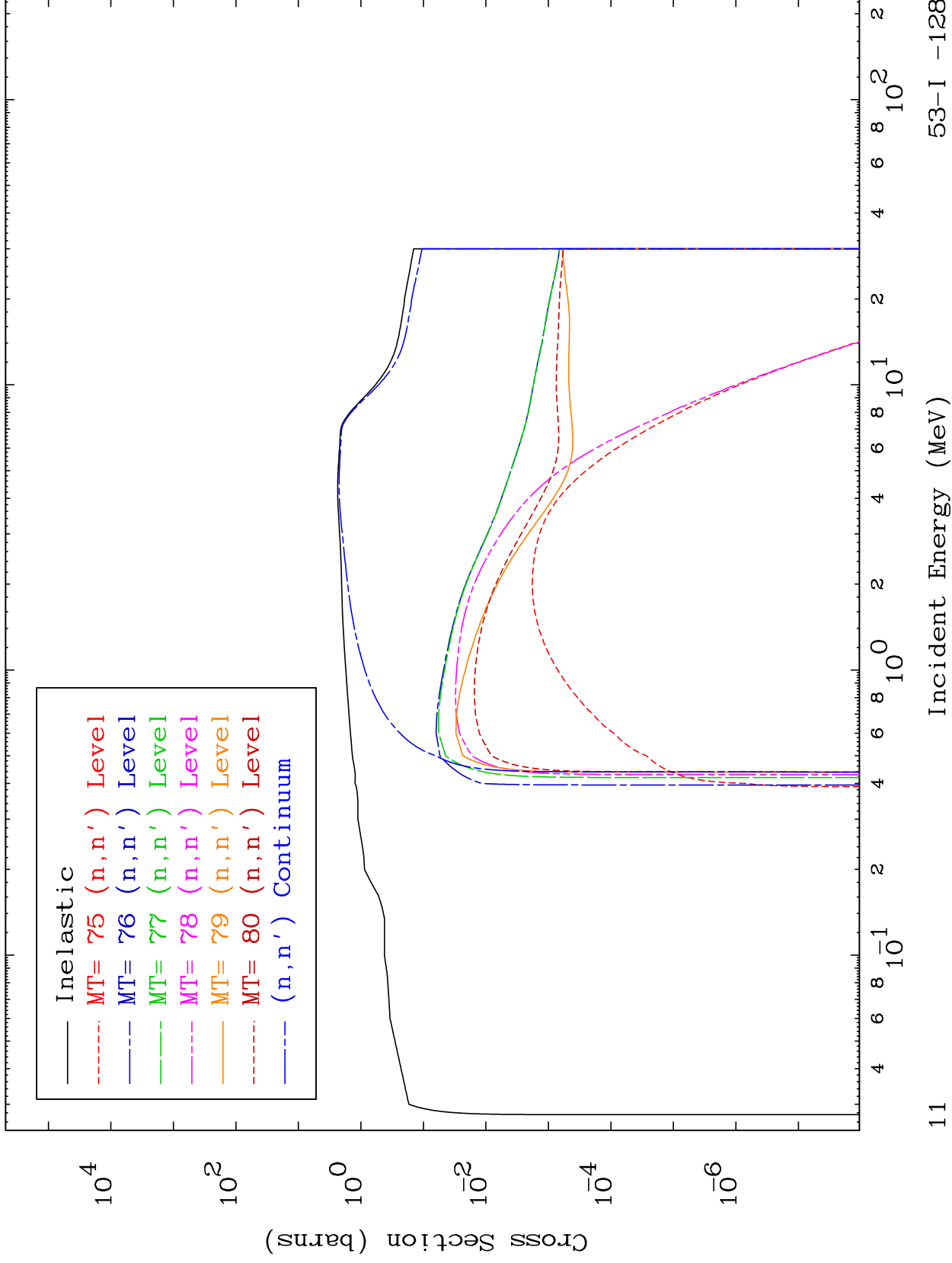








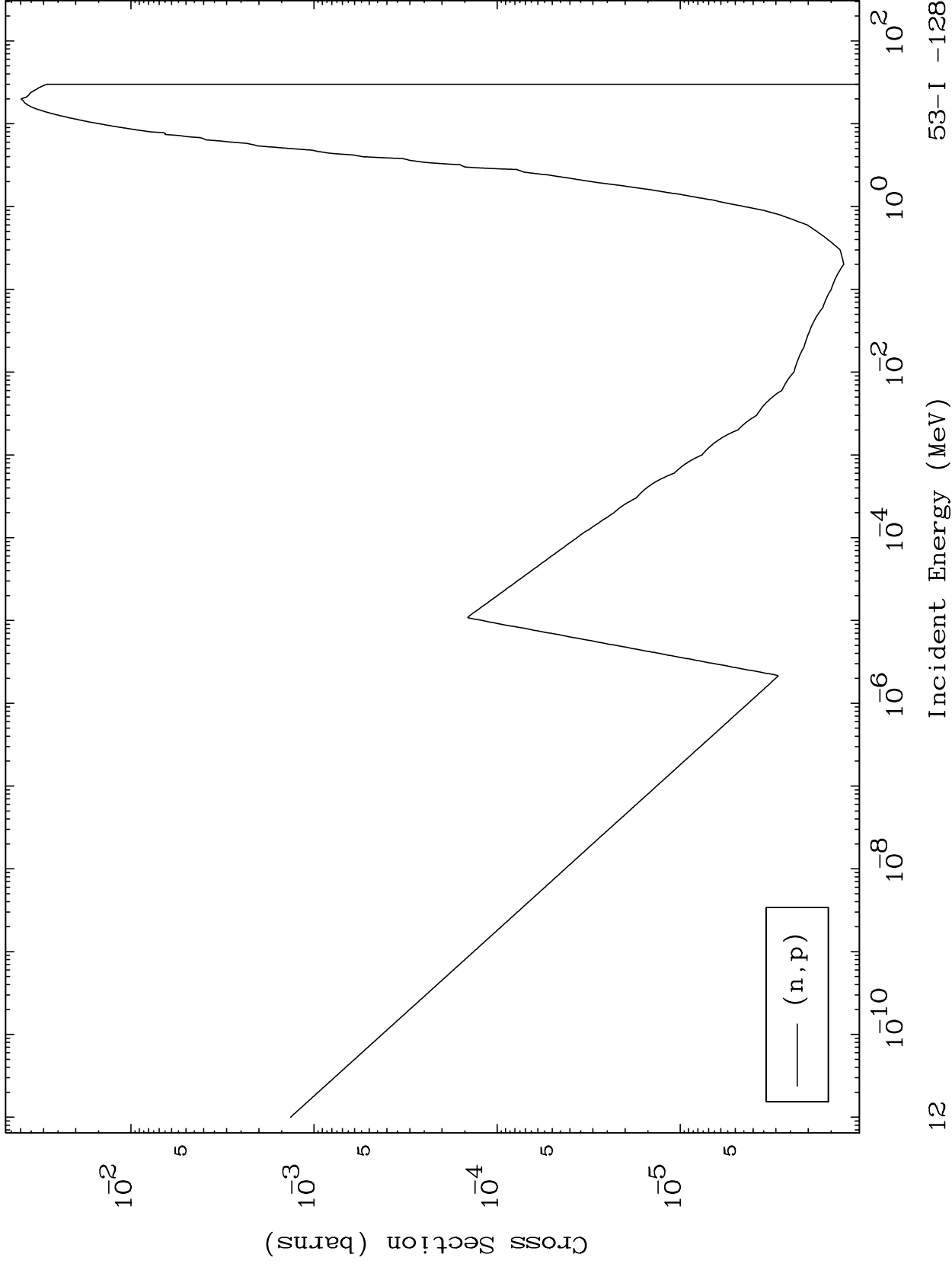




MAT 5328

(n,p) Levels  
293 Kelvin Cross Sections

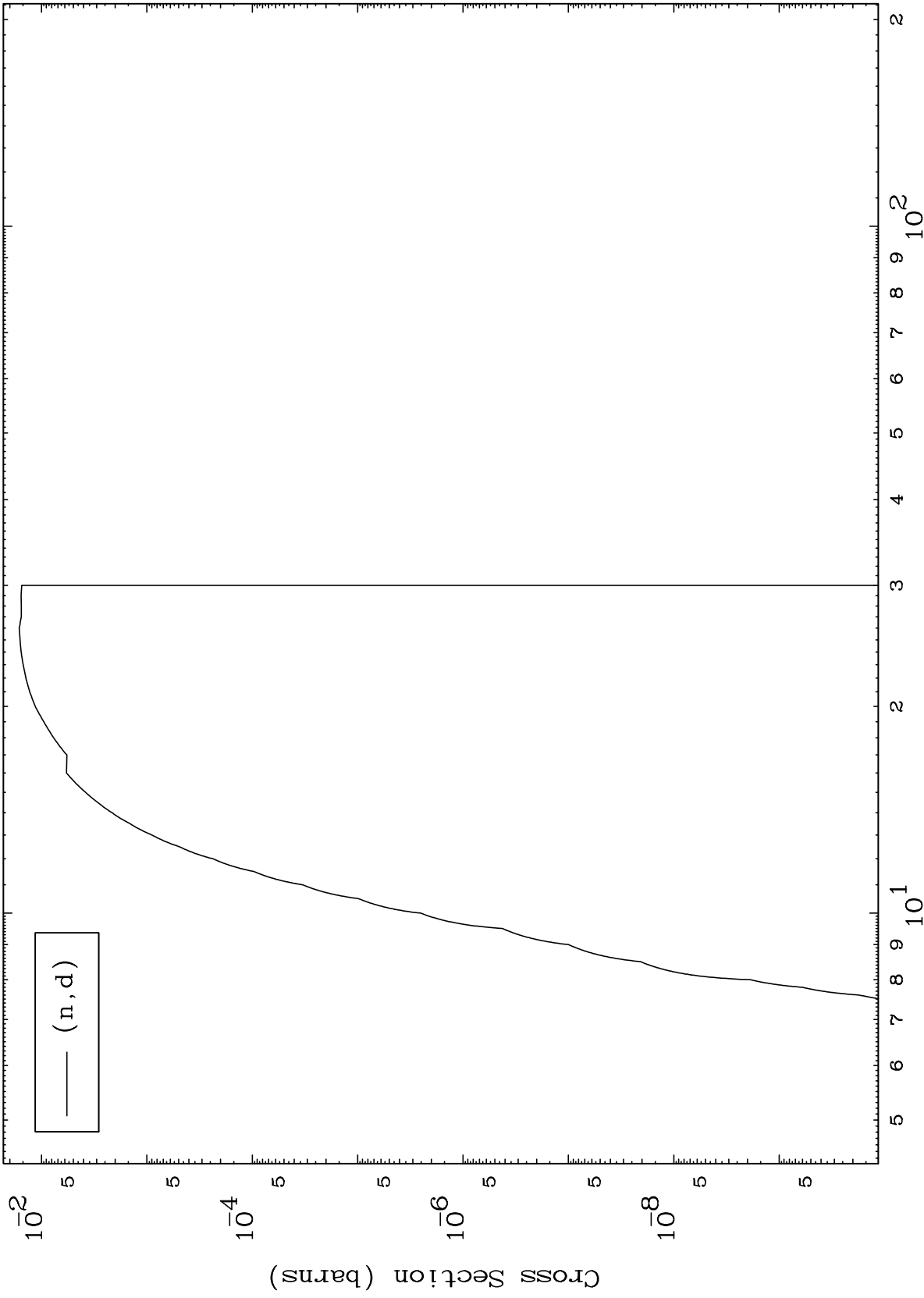
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MAT 5328

(n,d) Levels  
293 Kelvin Cross Sections

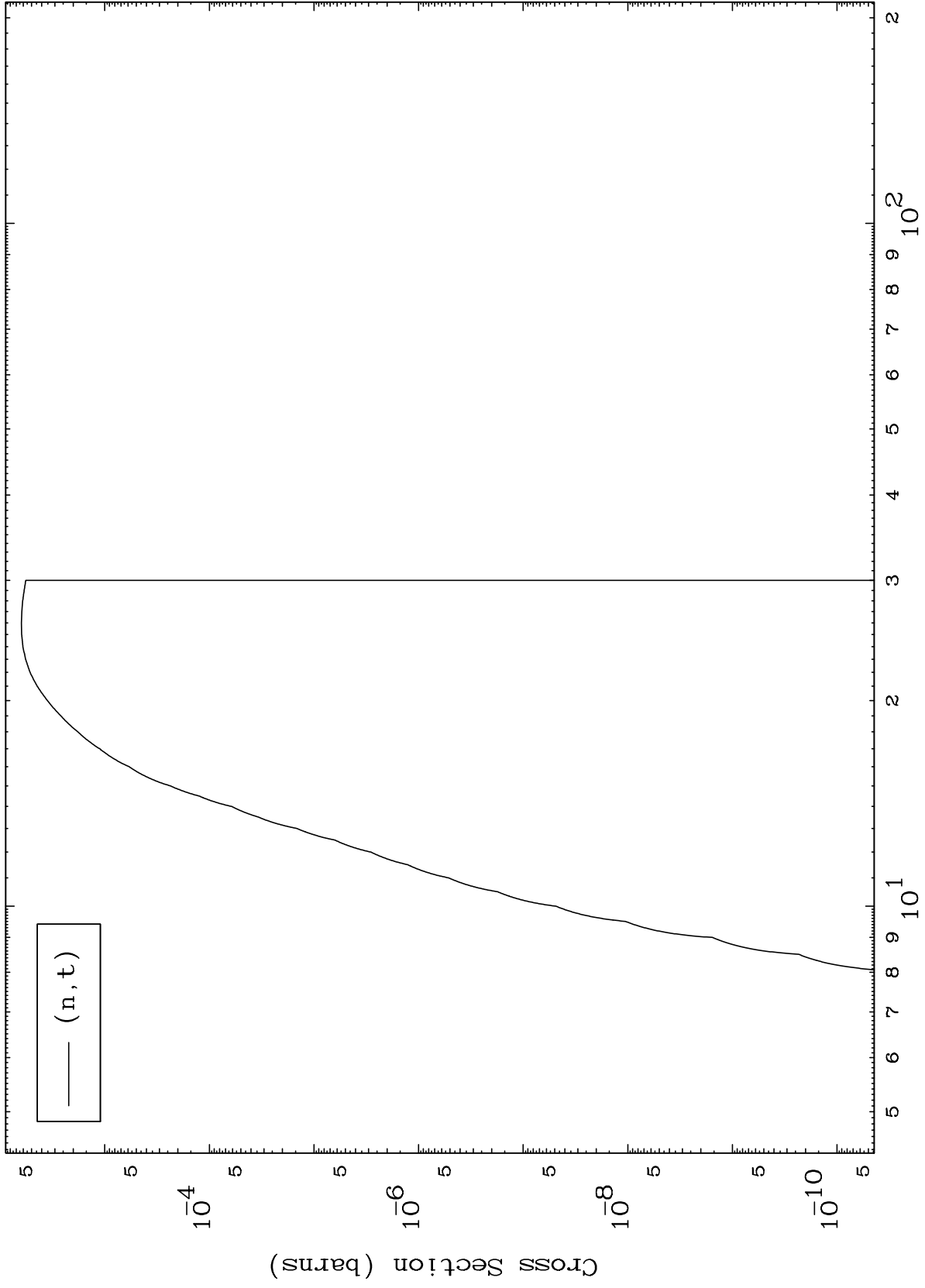
53-I -128



13

Incident Energy (MeV)

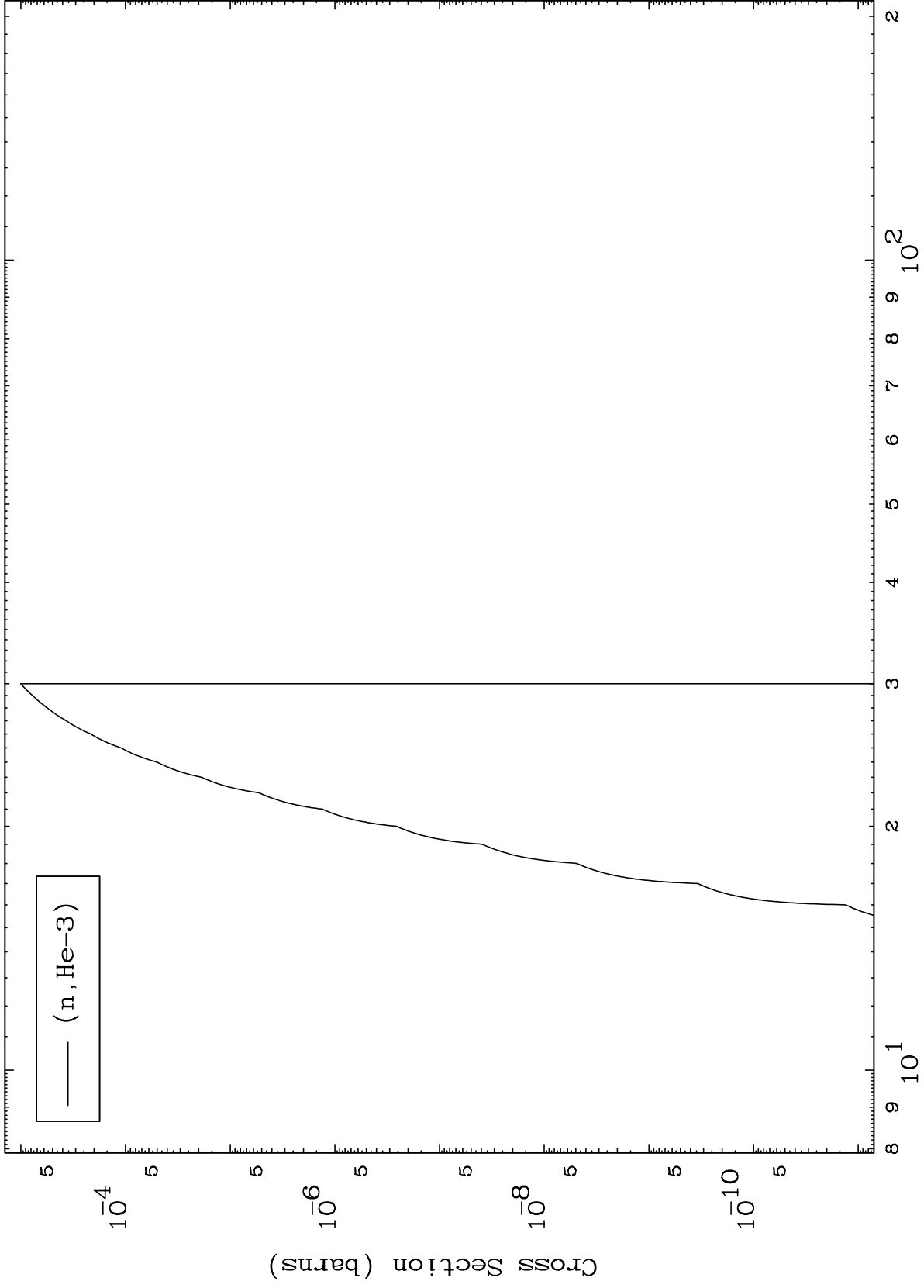
53-I -128



MAT 5328

(n,He3) Levels  
293 Kelvin Cross Sections

53-I -128



15

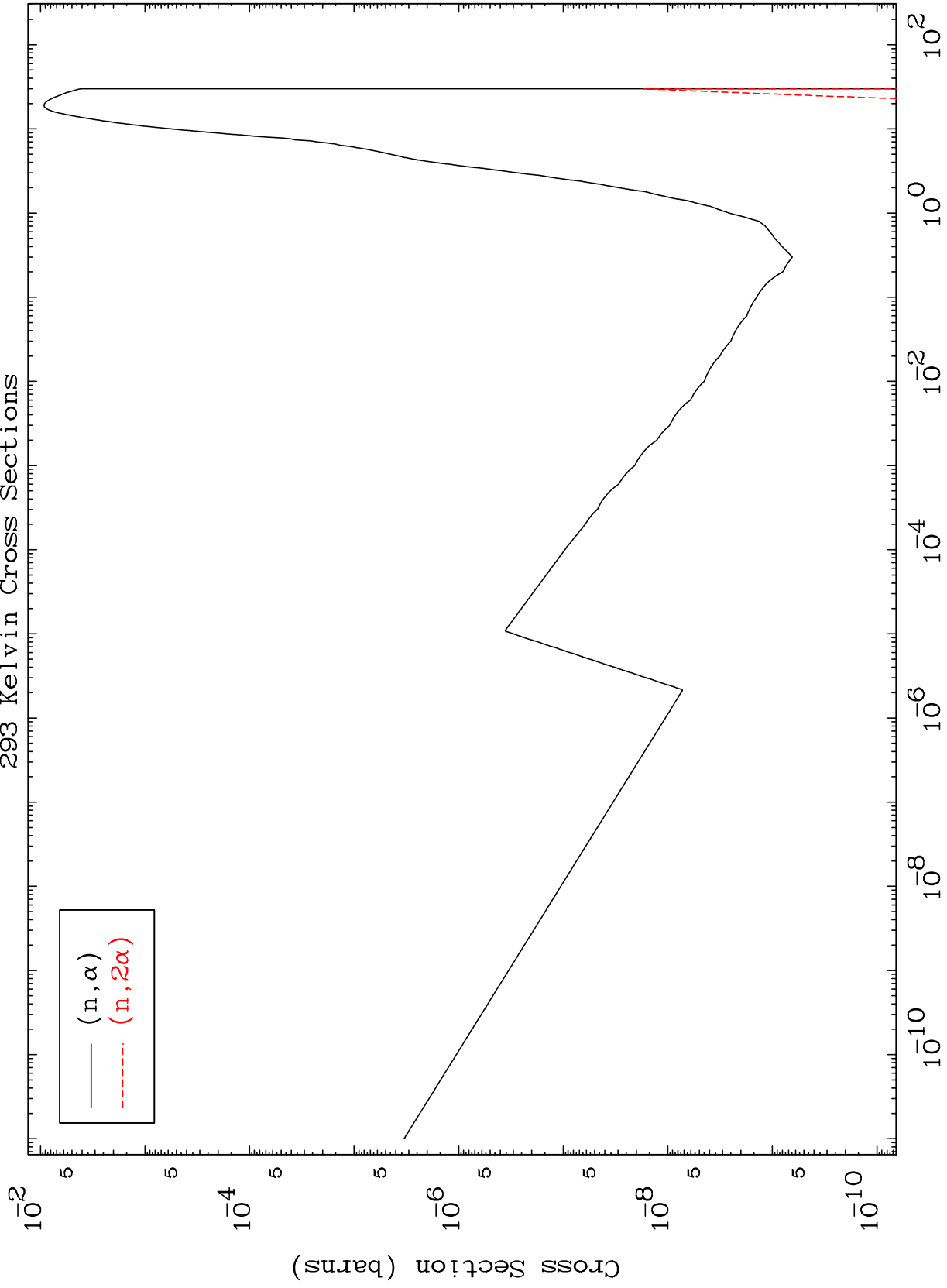
Incident Energy (MeV)

53-I -128

MAT 5328

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

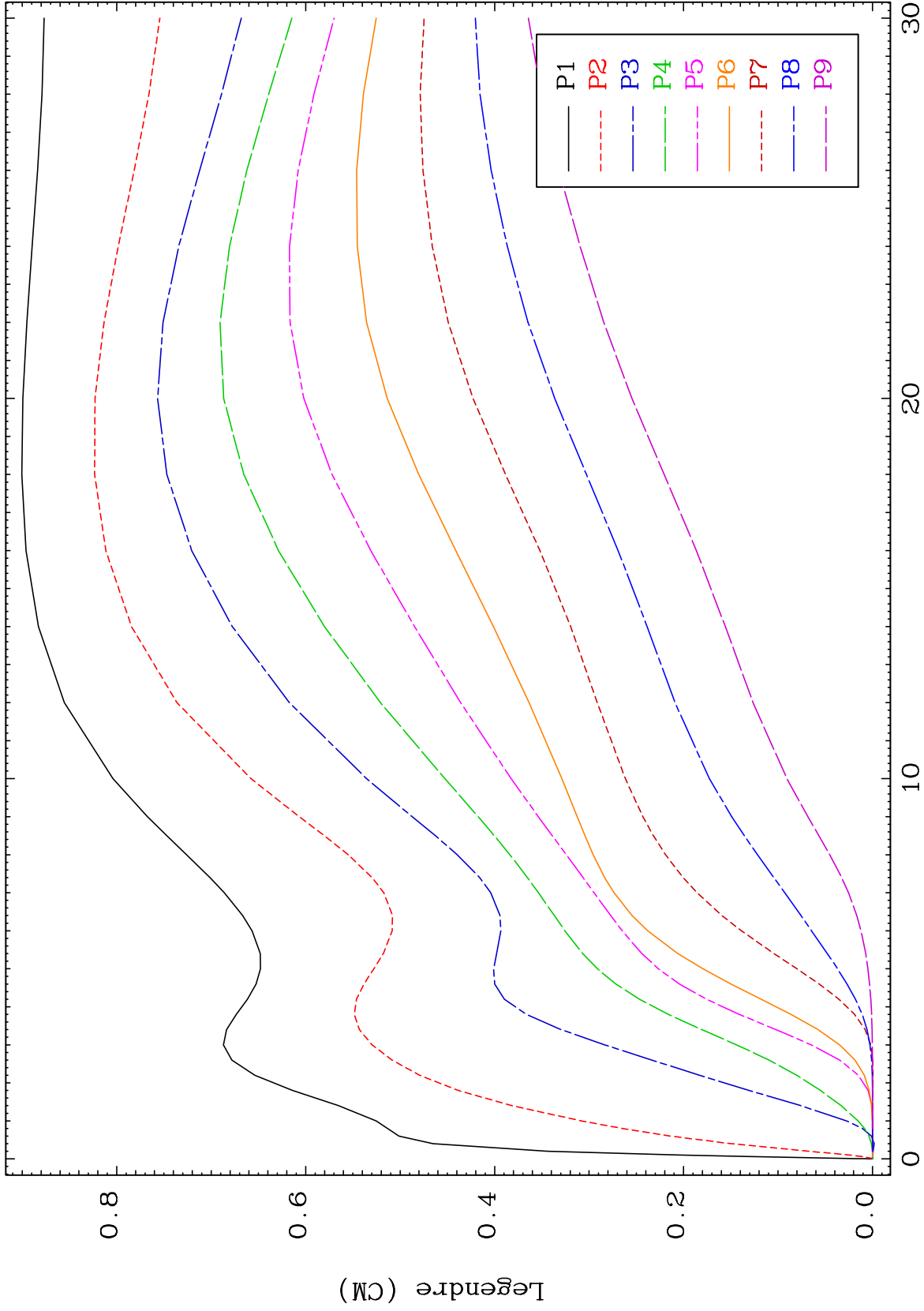
53-I -128



16

Incident Energy (MeV)

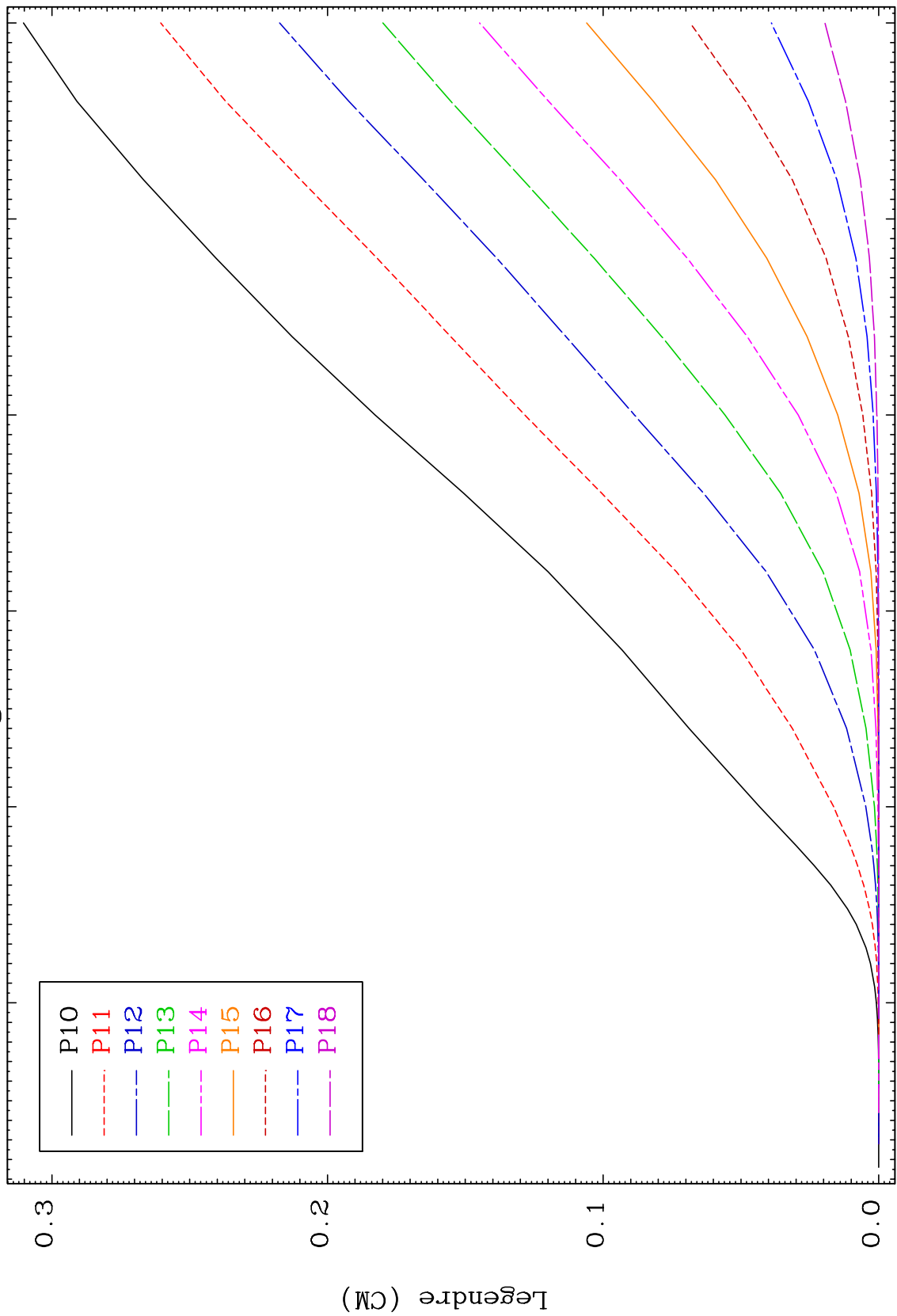
53-I -128



MAT 5328

### Elastic Legendre Coefficients

53-I -128



18

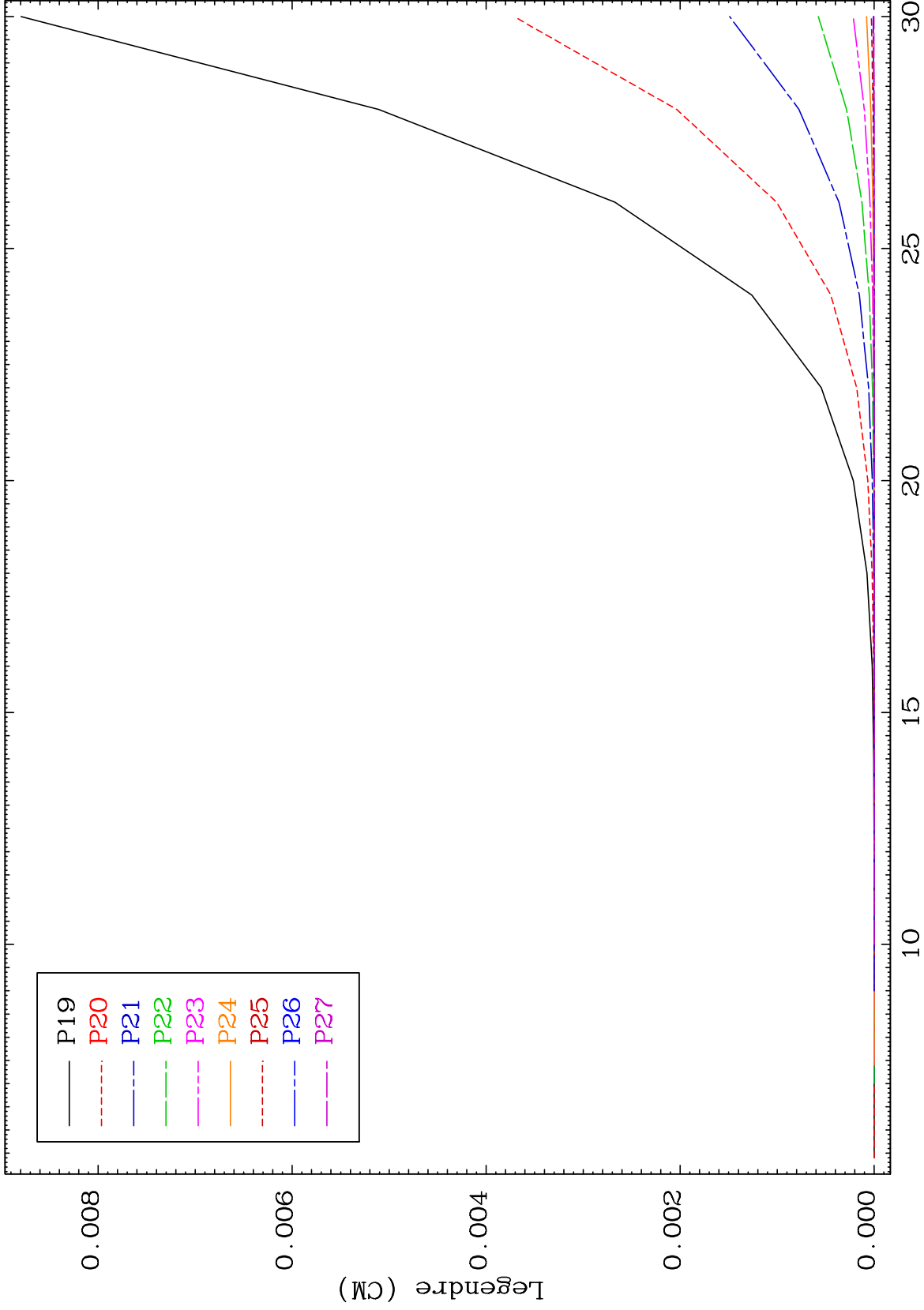
Incident Energy (MeV)

53-I -128

MAT 5328

Elastic Legendre Coefficients

53-I -128



19

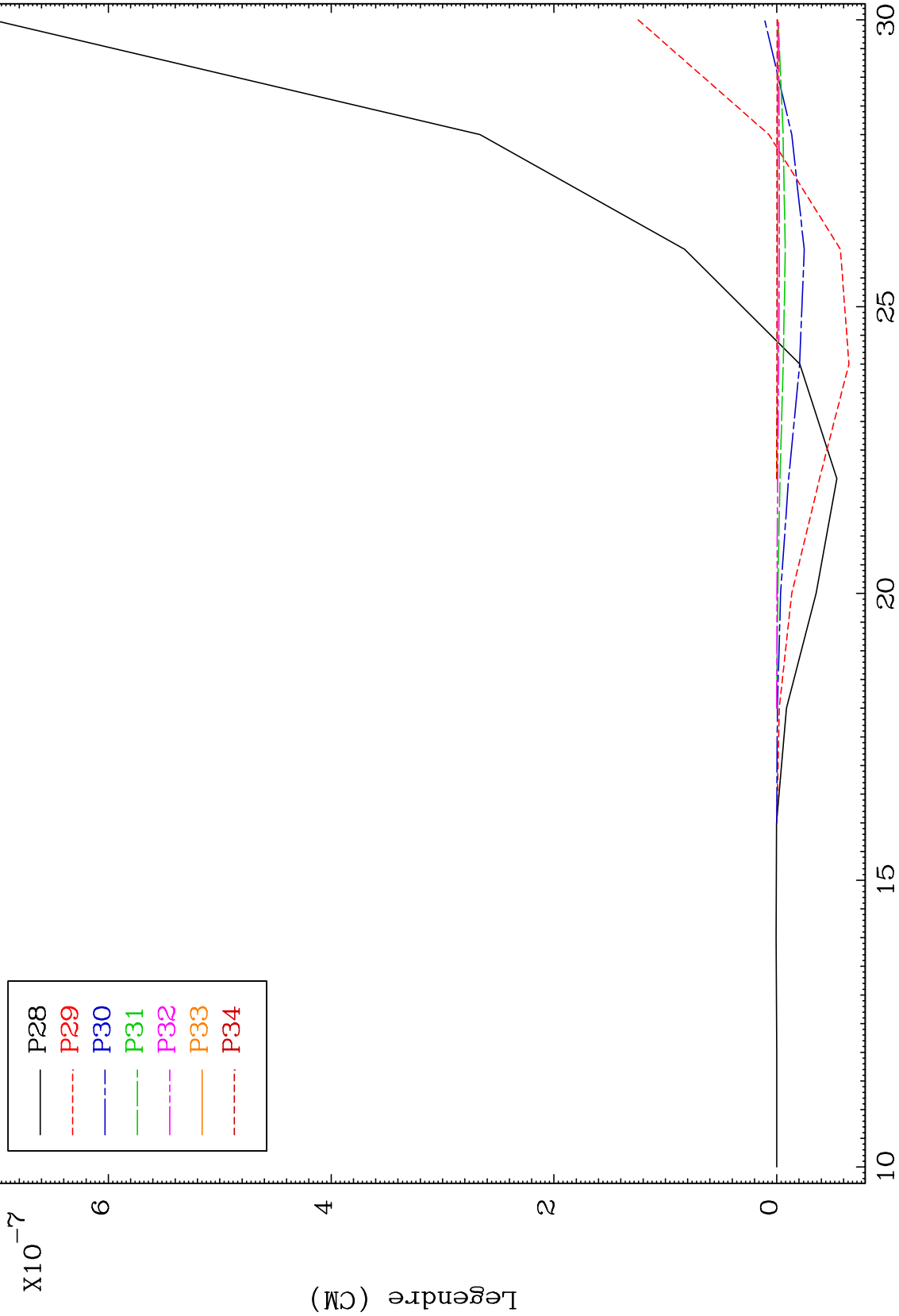
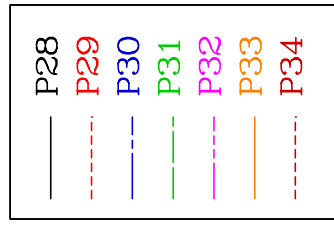
Incident Energy (MeV)

53-I -128

MAT 5328

Elastic Legendre Coefficients

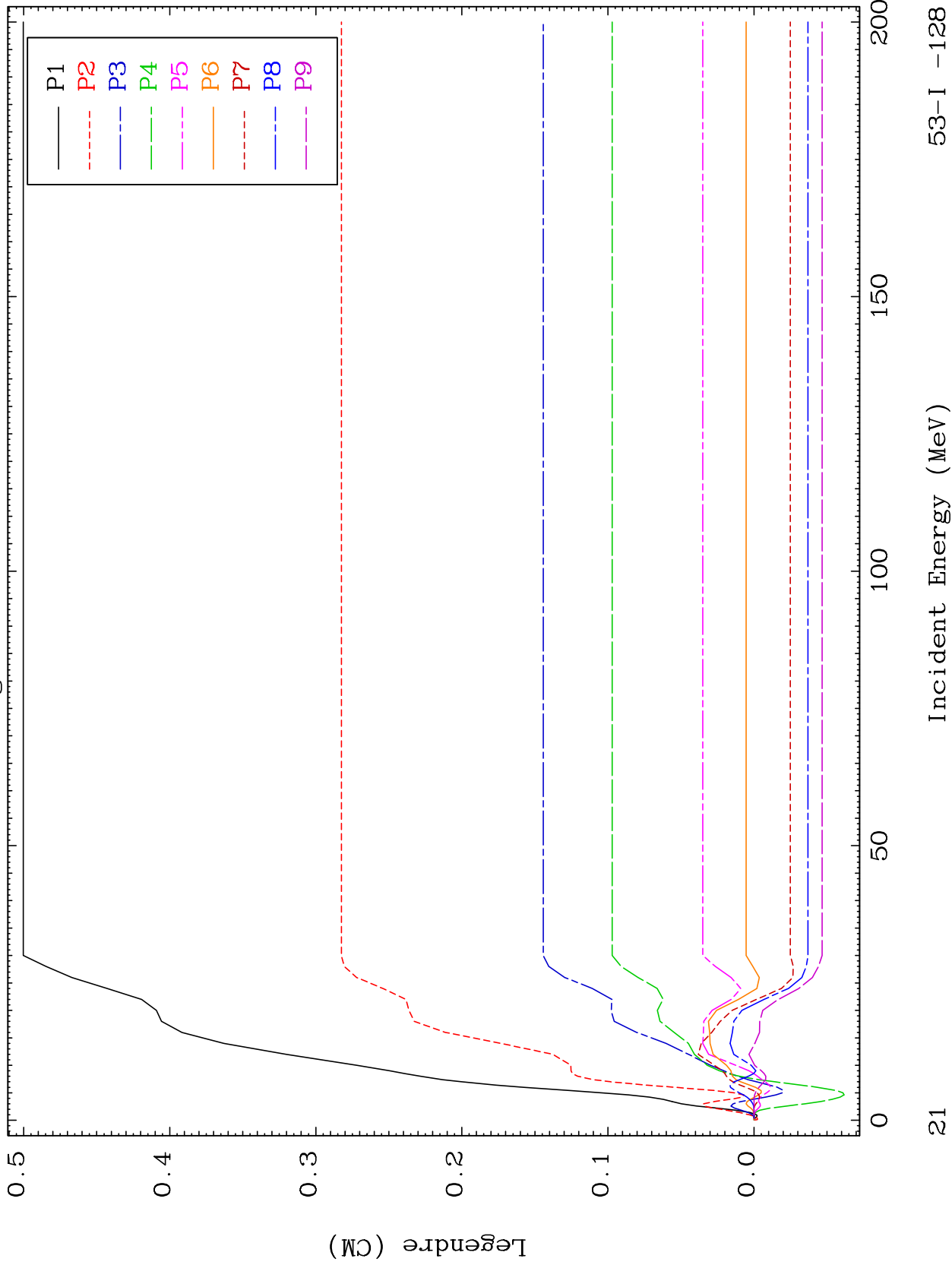
53-I -128



20

Incident Energy (MeV)

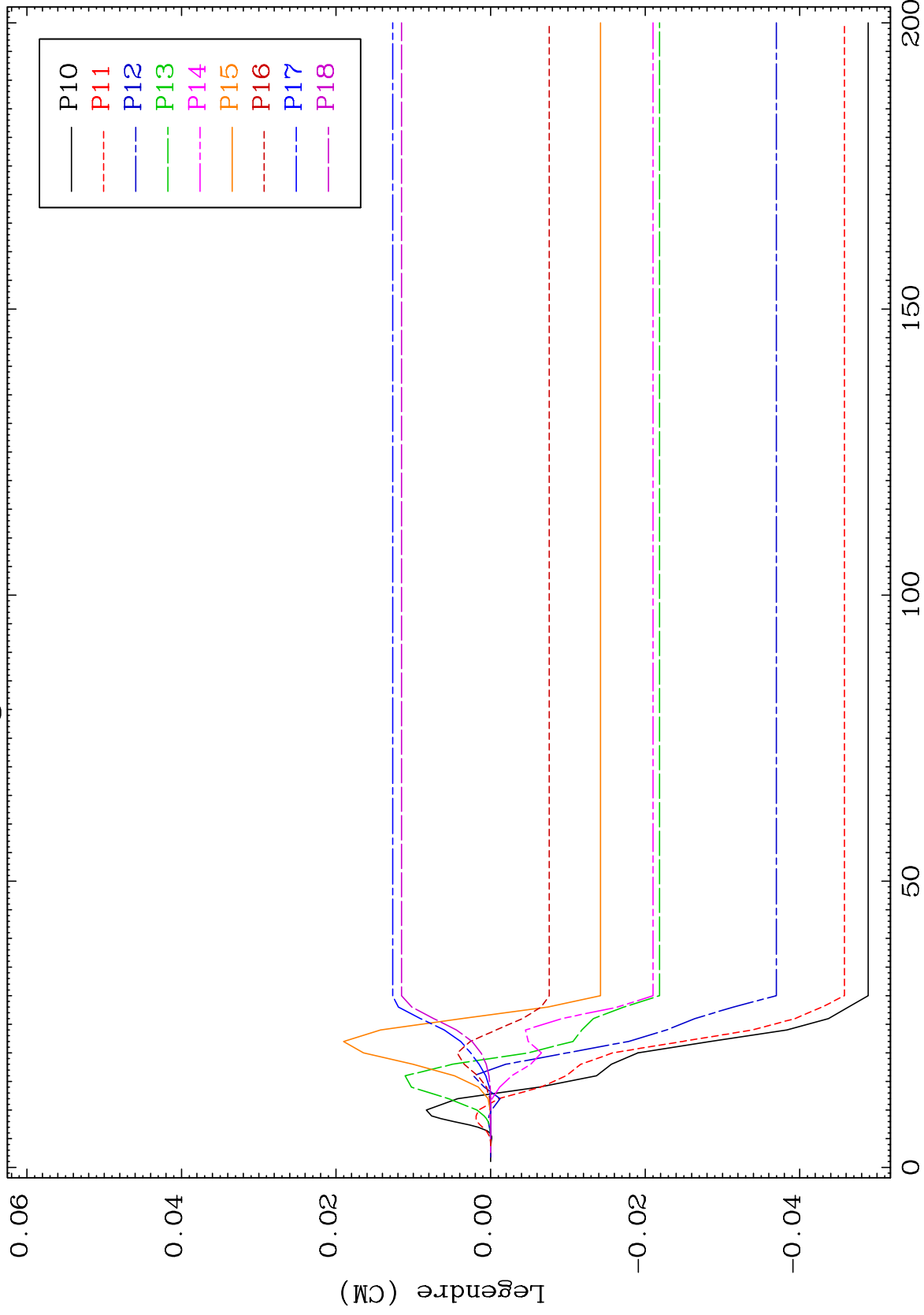
53-I -128



MAT 5328

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

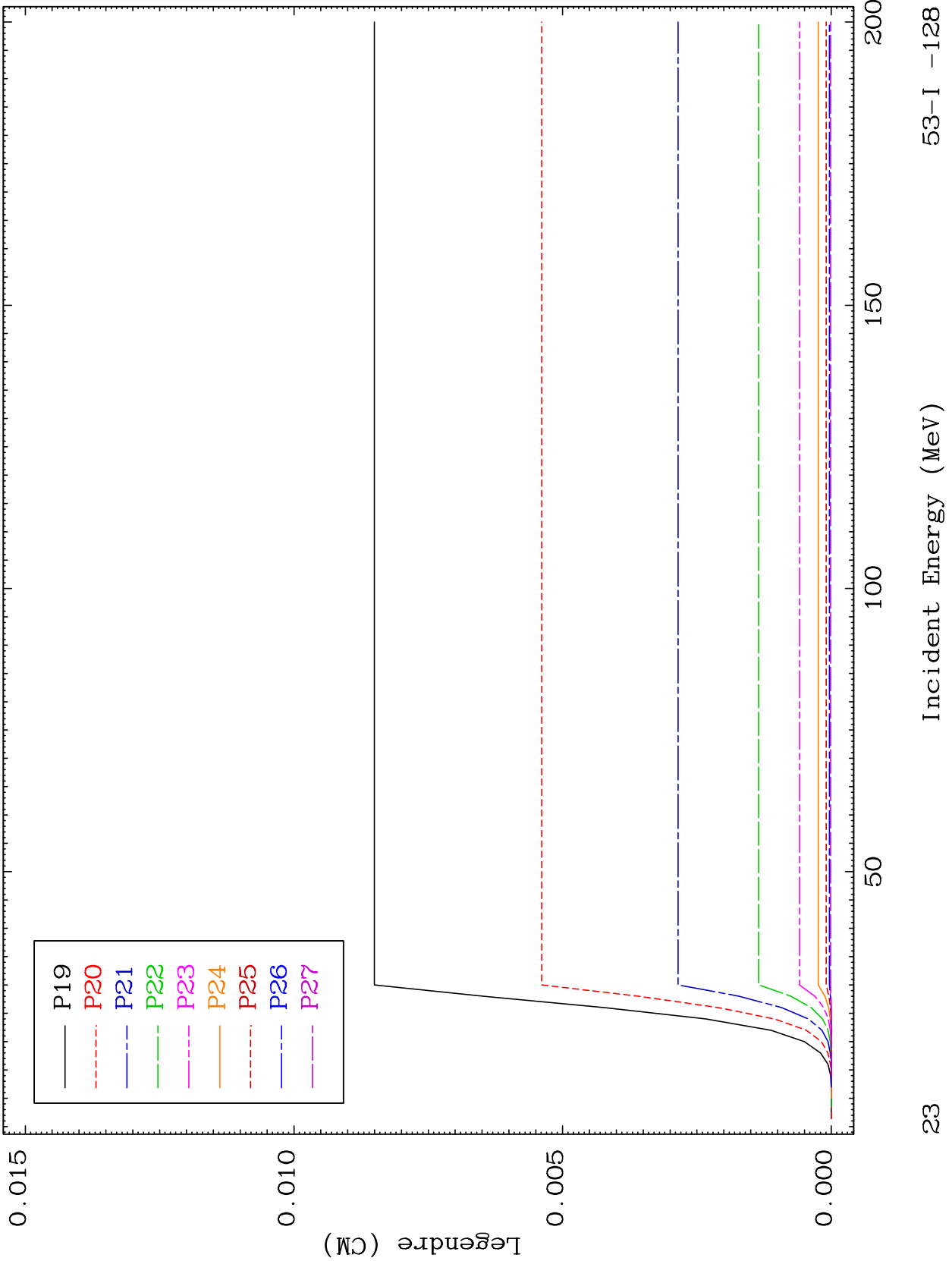
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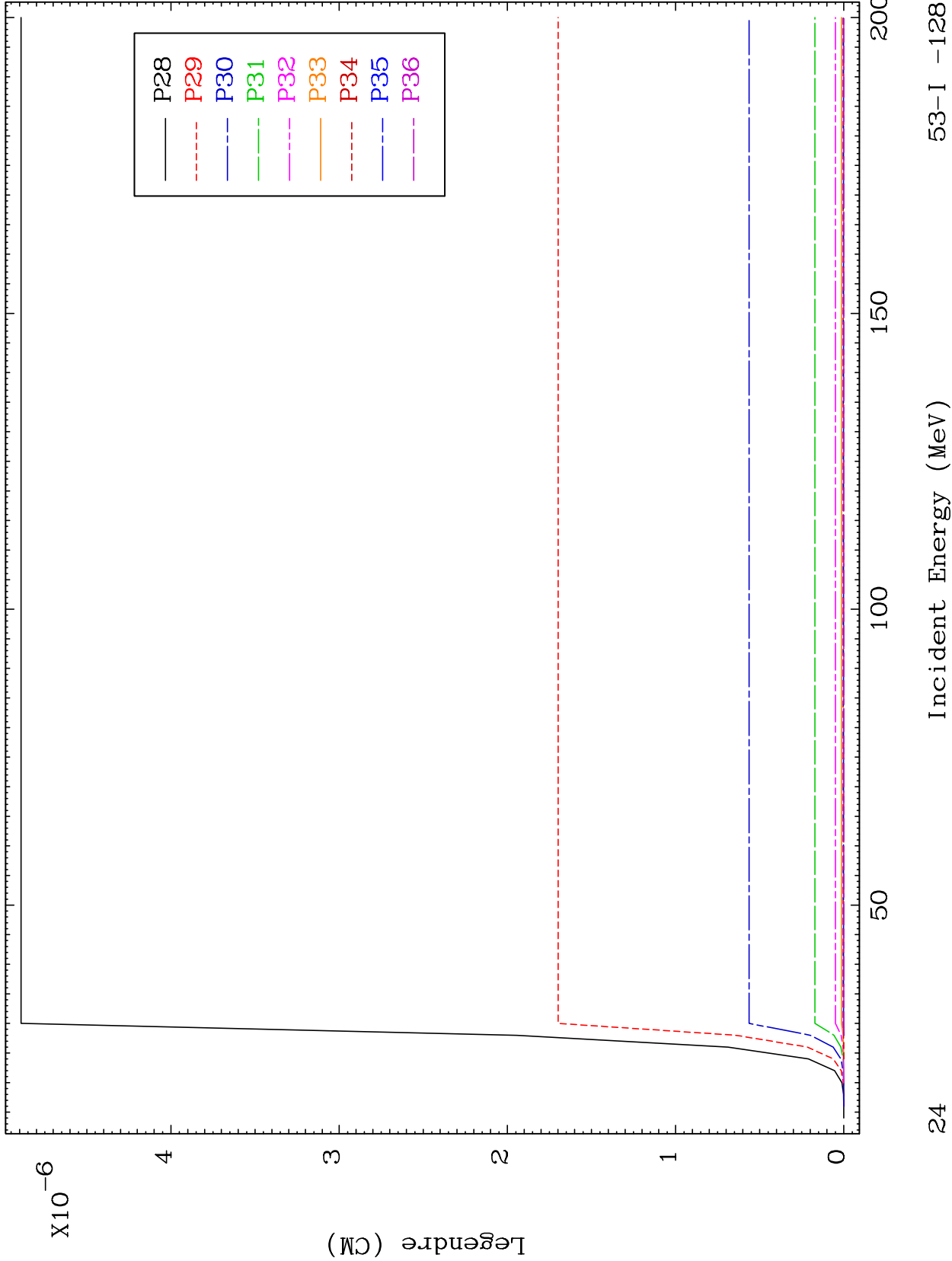


22

Incident Energy (MeV)

53-I -128

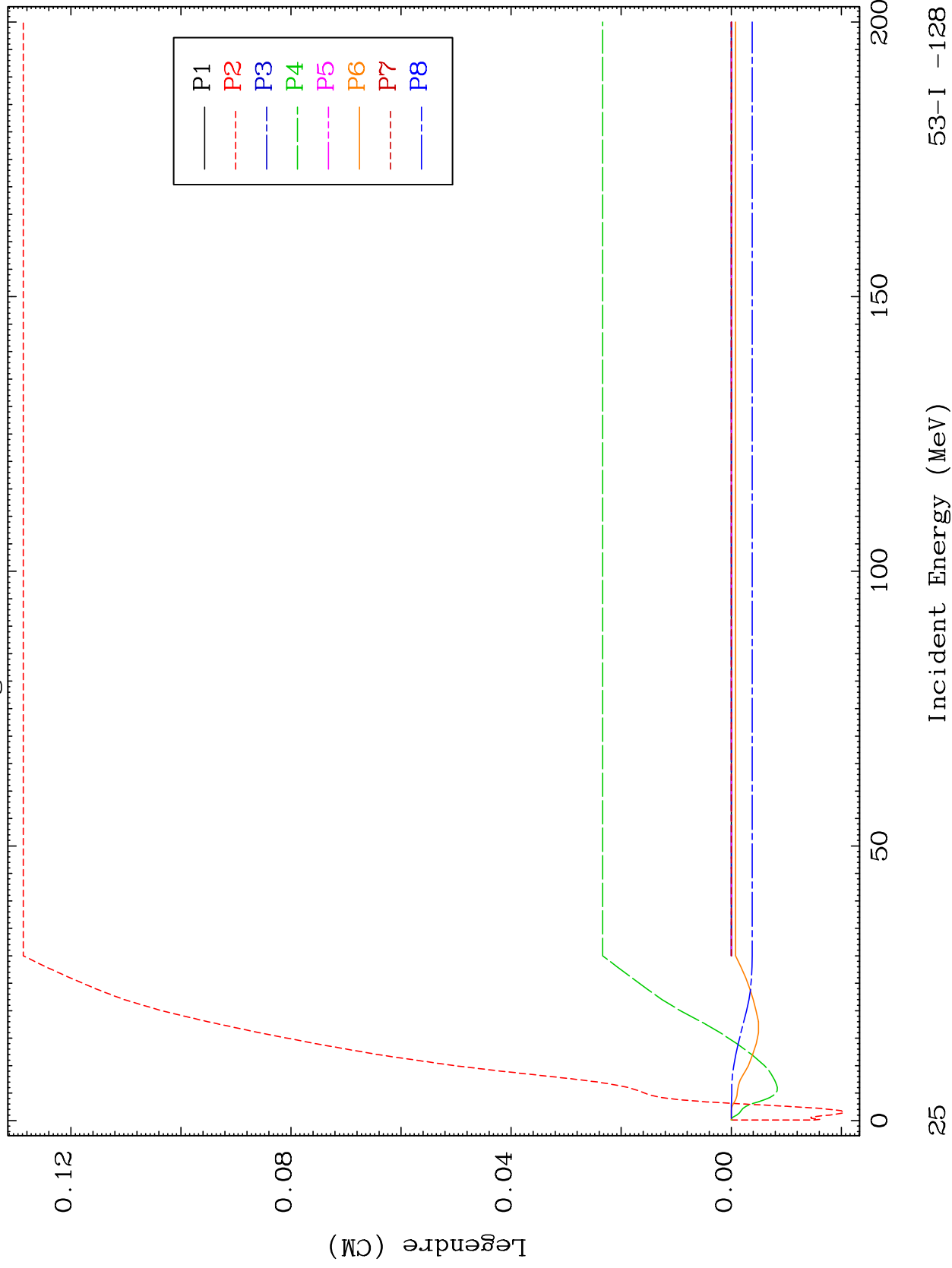




MAT 5328

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

53-I -128



53-I -128

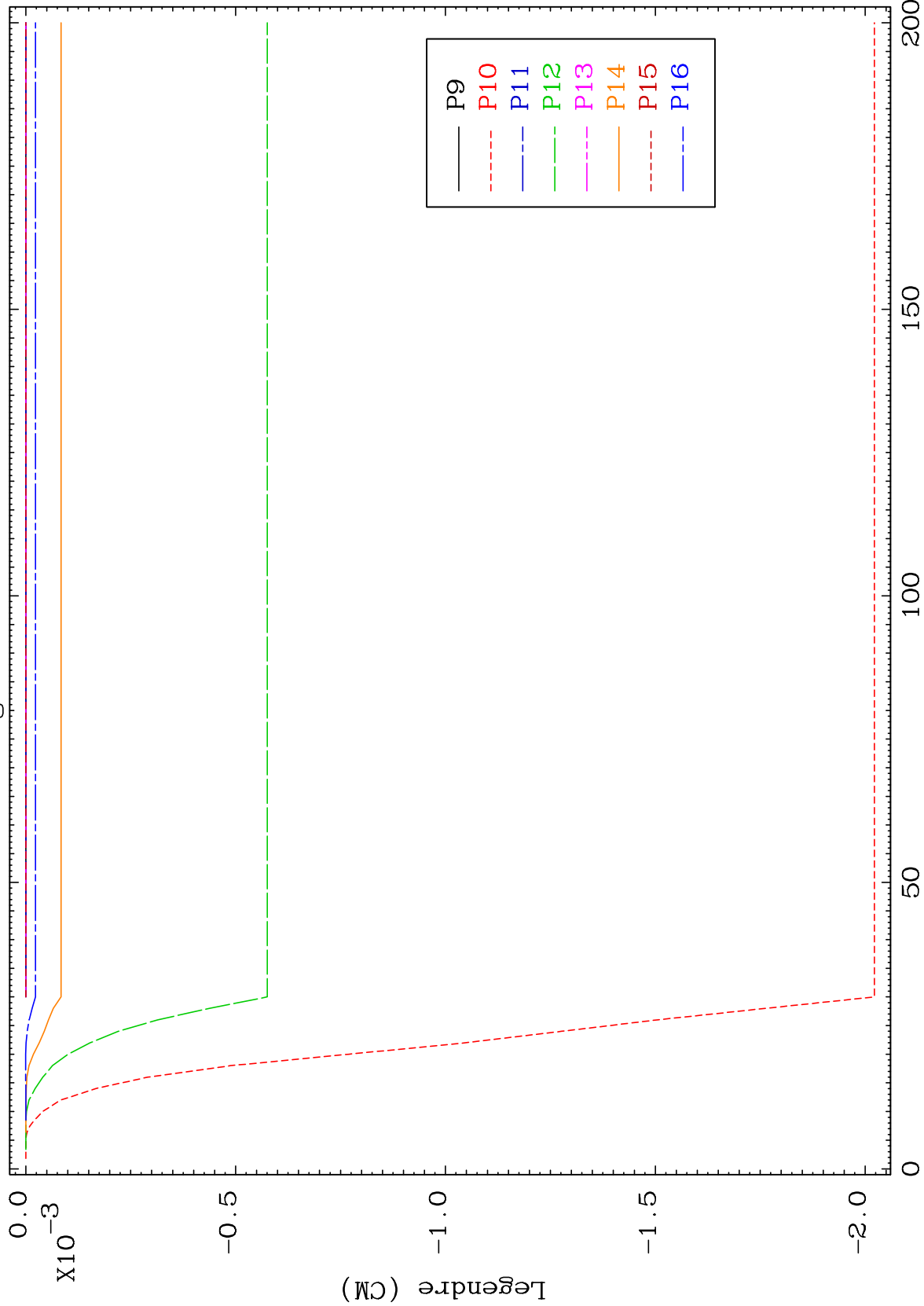
Incident Energy (MeV)

25

MAT 5328

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

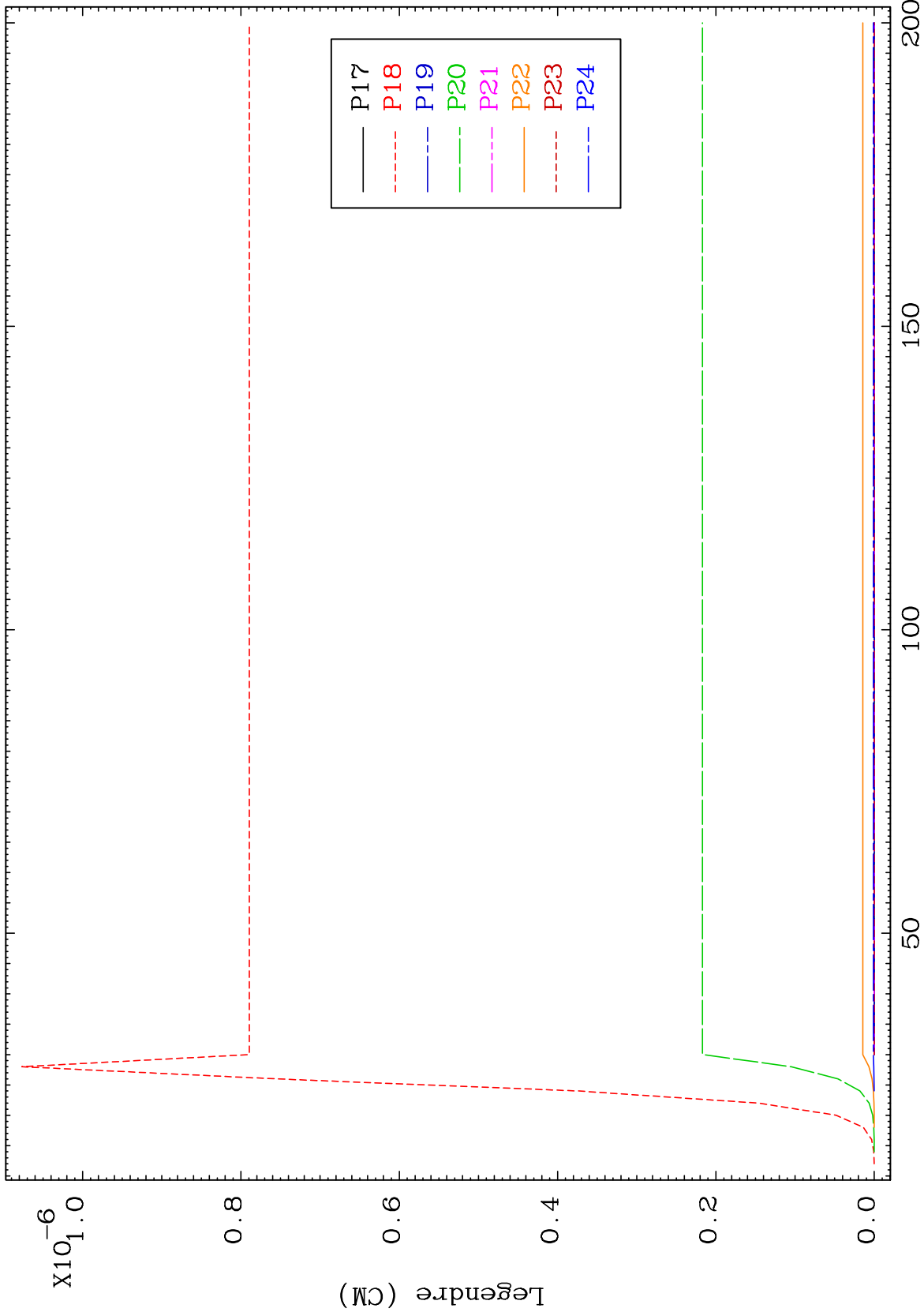
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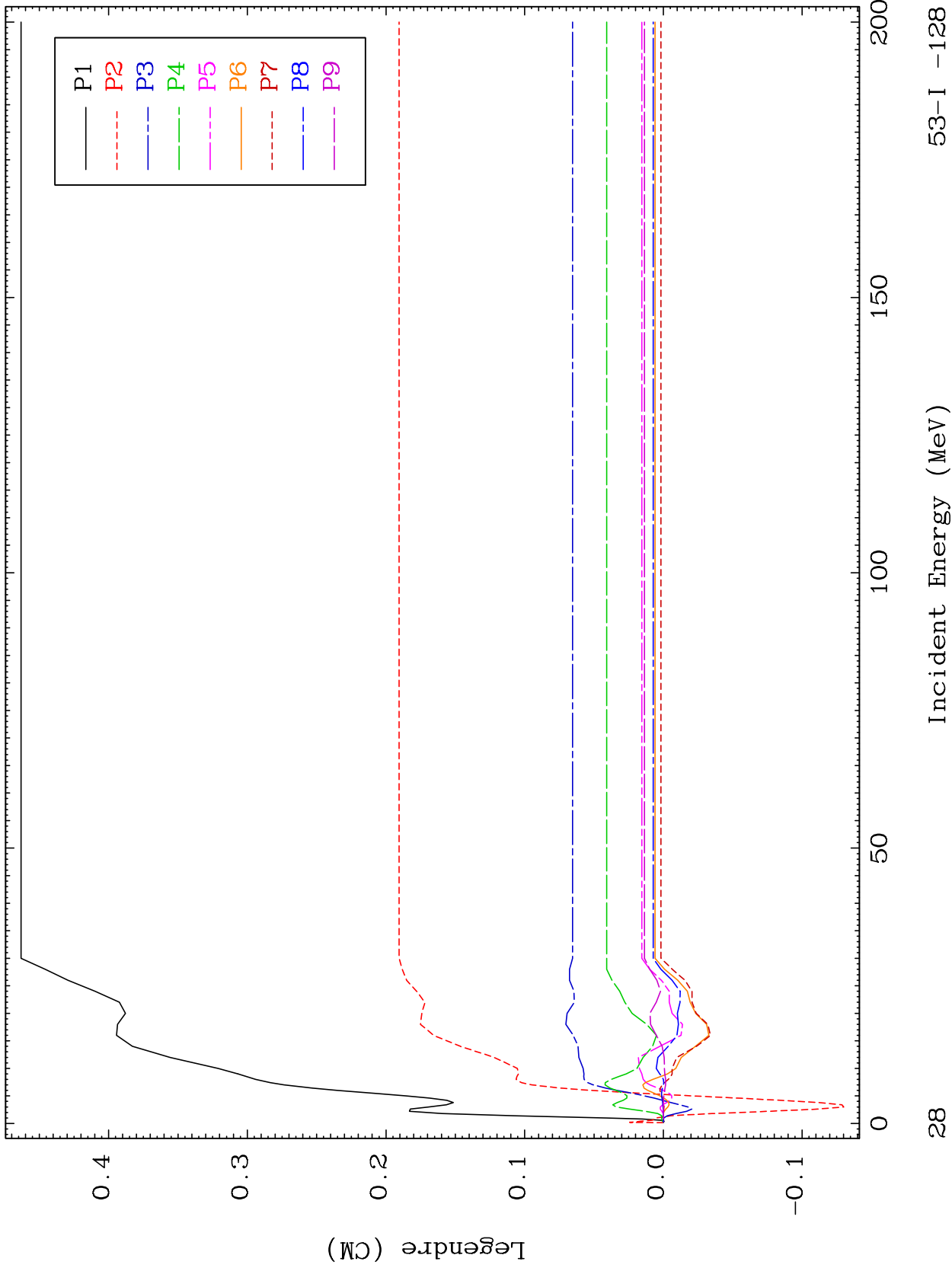


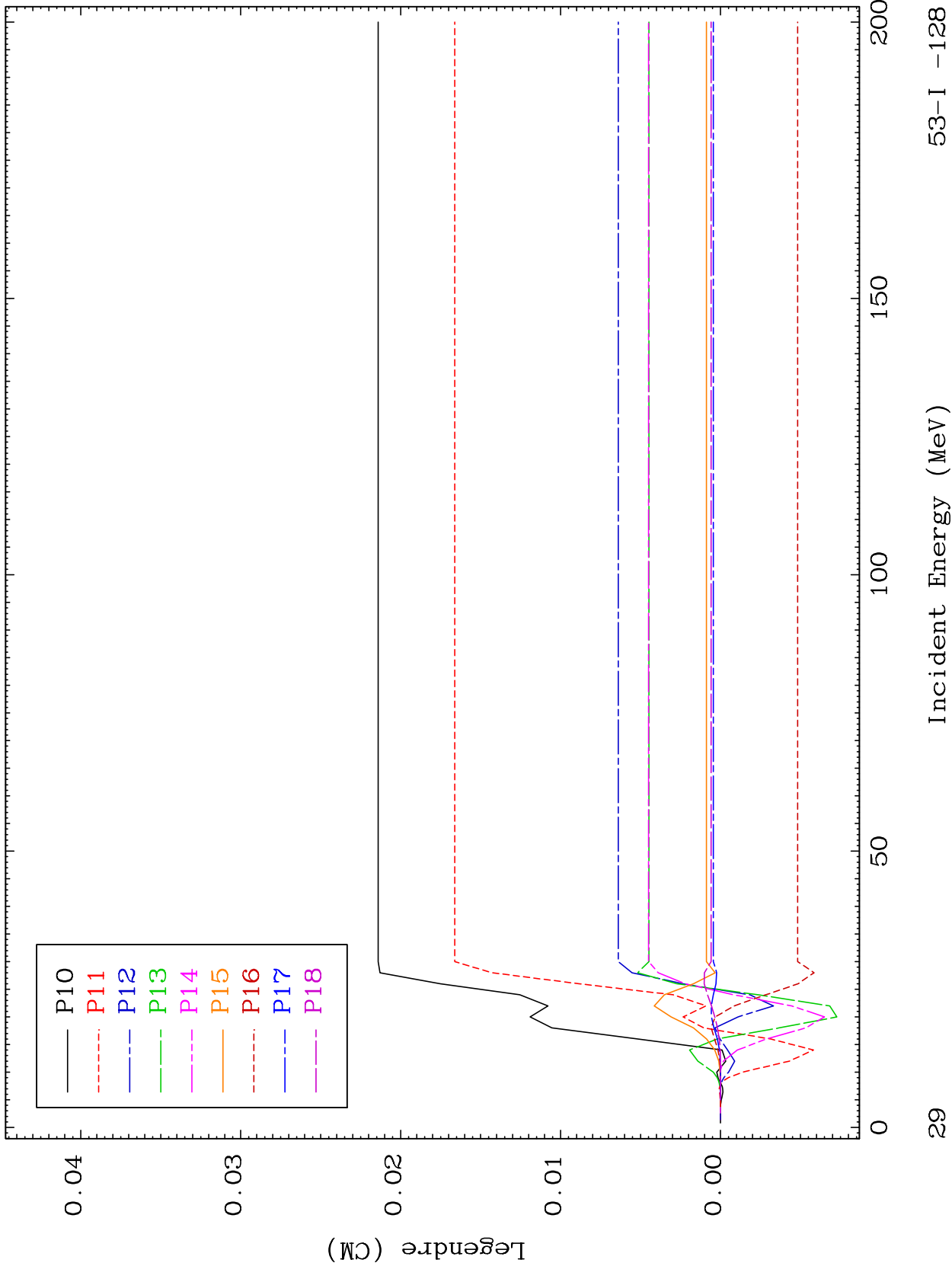
26

Incident Energy (MeV)

53-I -128



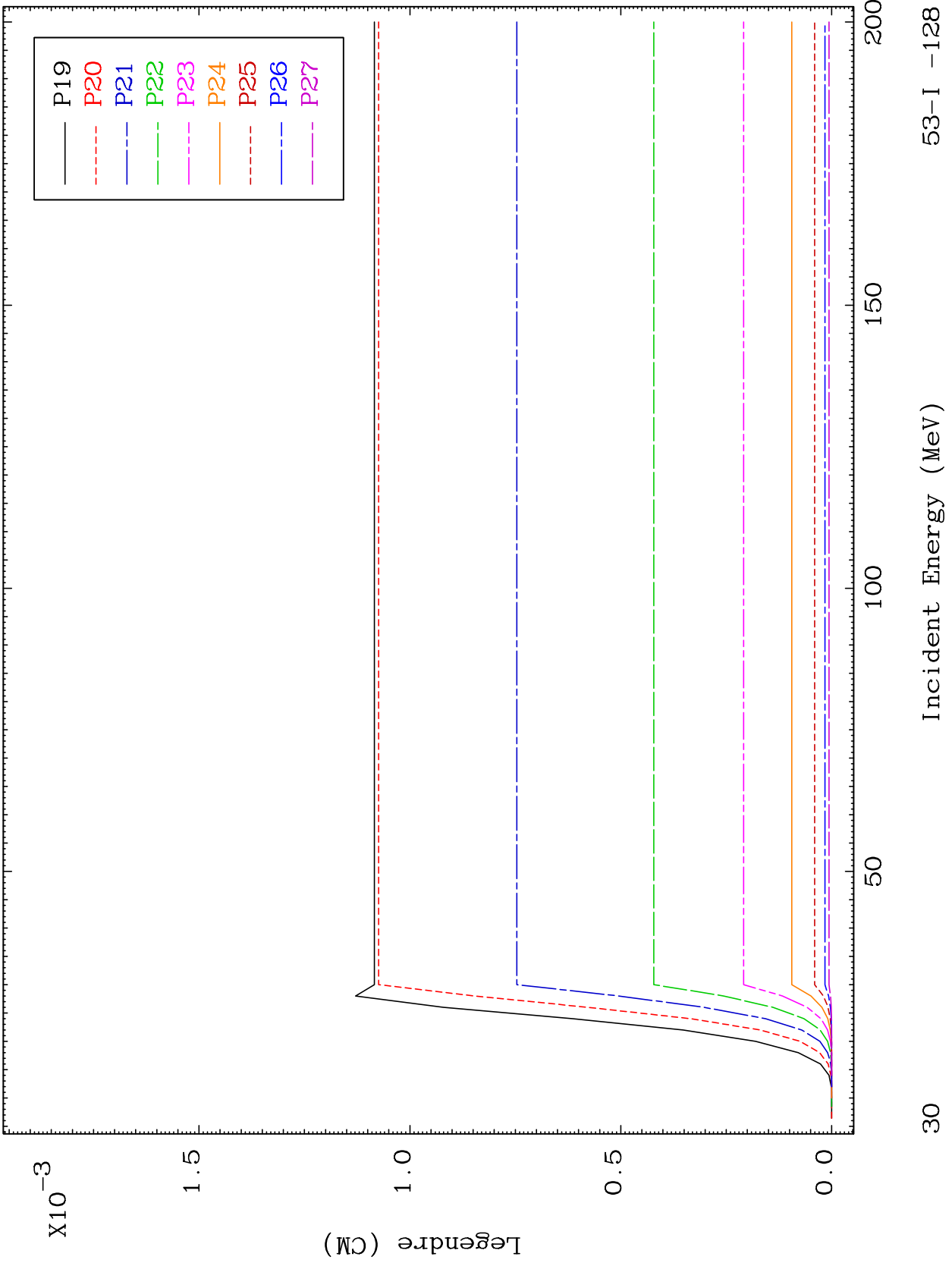




MAT 5328

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

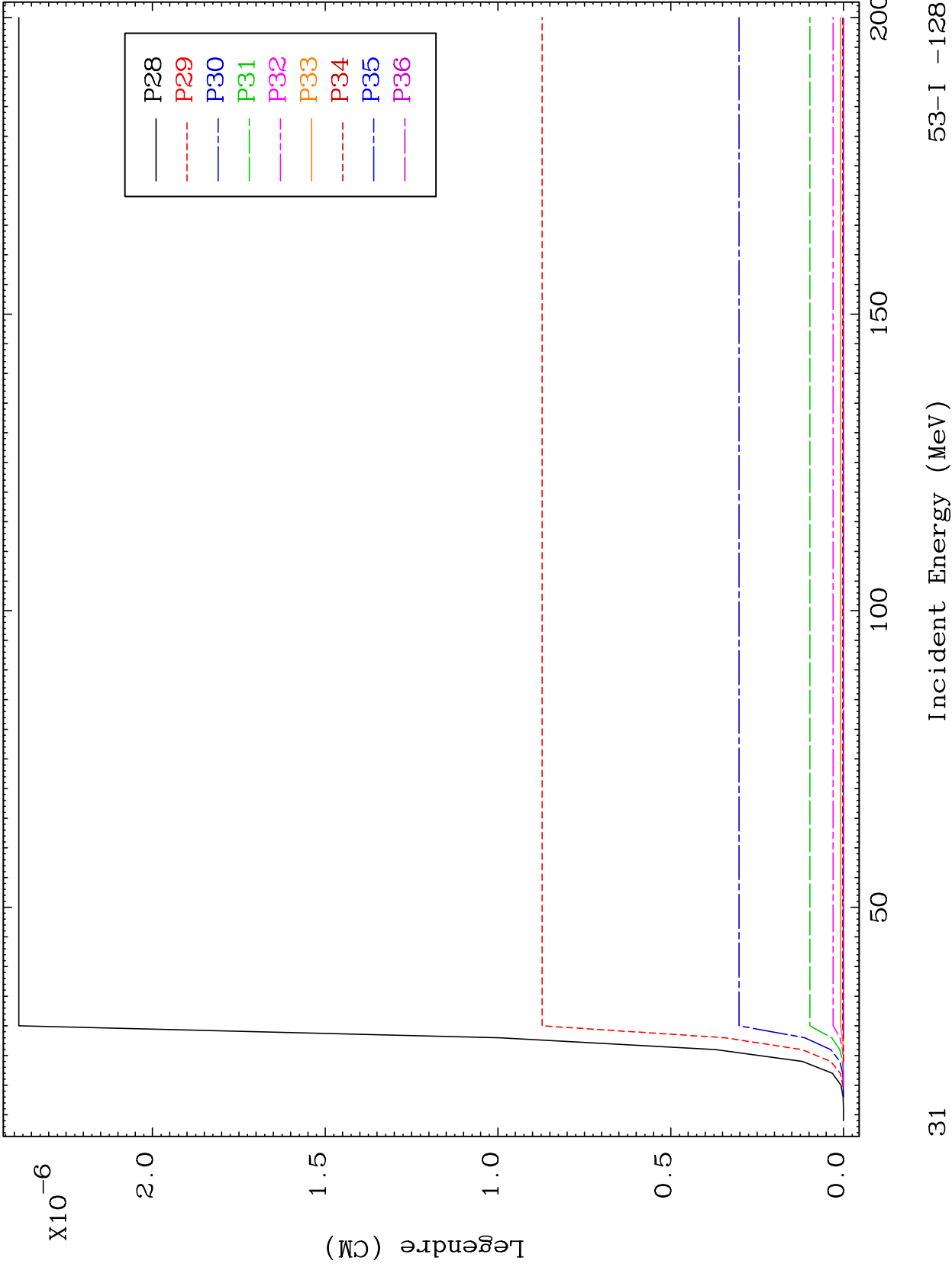
53-I -128



53-I -128

Incident Energy (MeV)

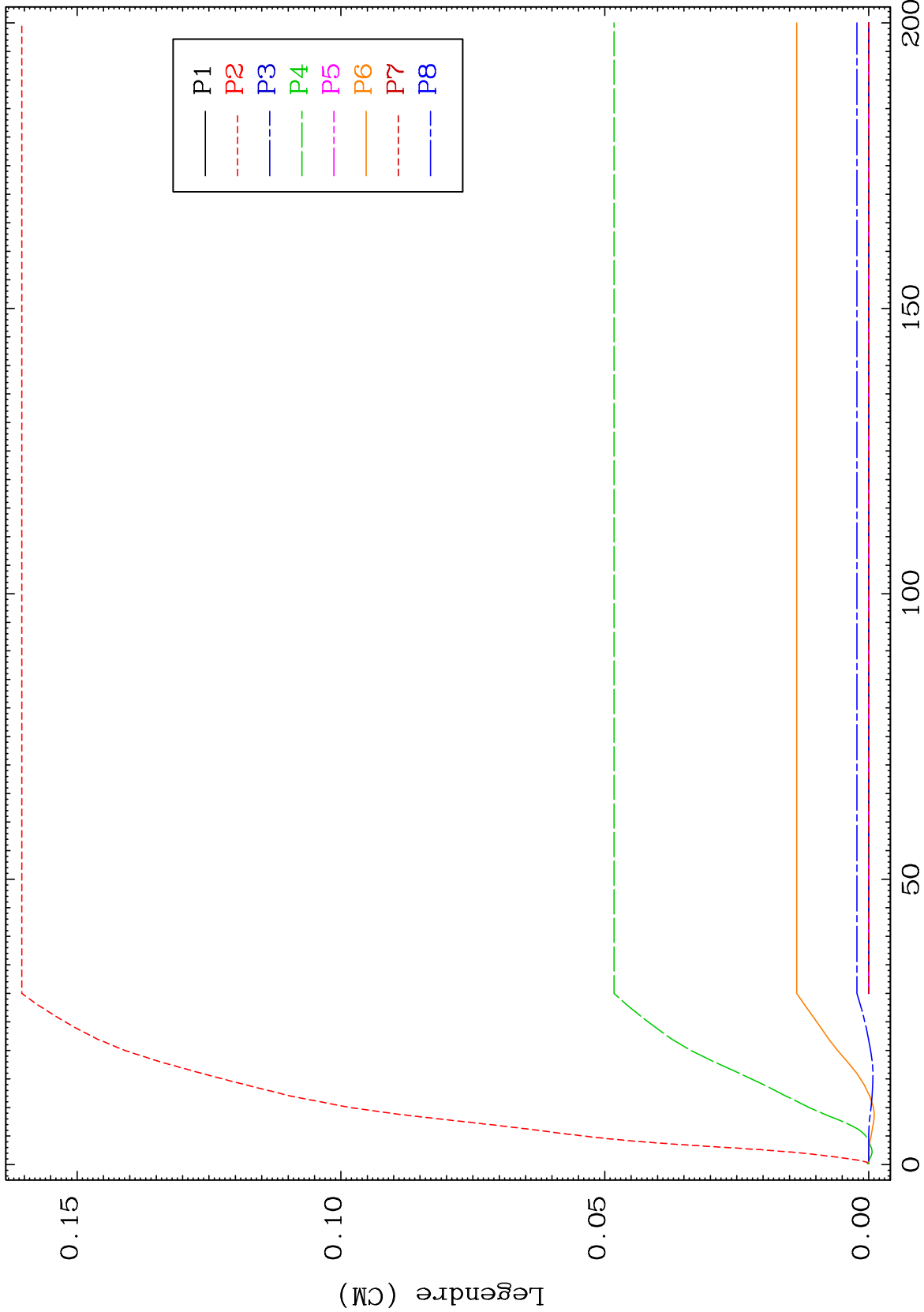
30



MAT 5328

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

53-I -128



32

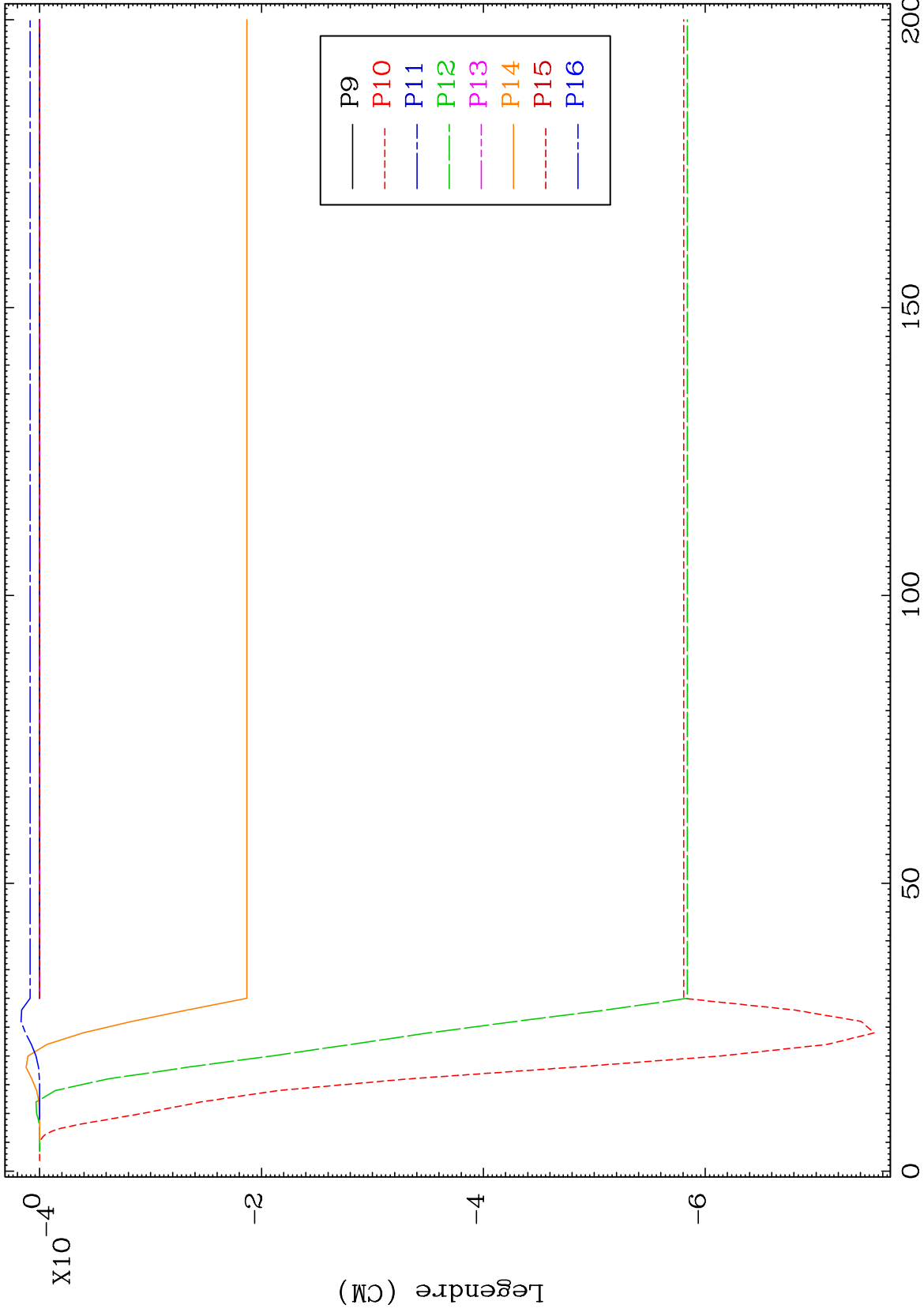
Incident Energy (MeV)

53-I -128

MAT 5328

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

53-I -128



33

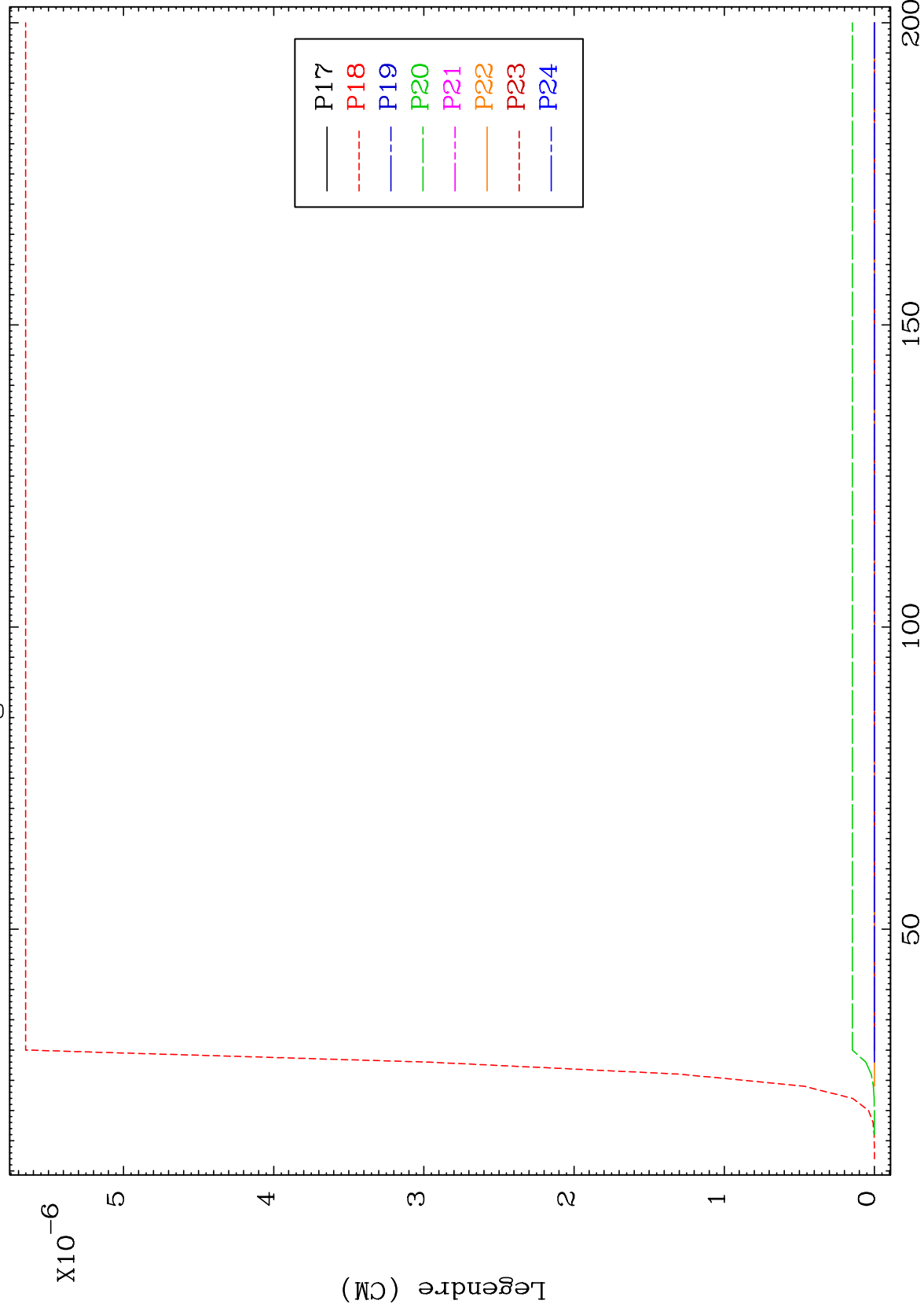
Incident Energy (MeV)

53-I -128

MAT 5328

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

53-I -128



34

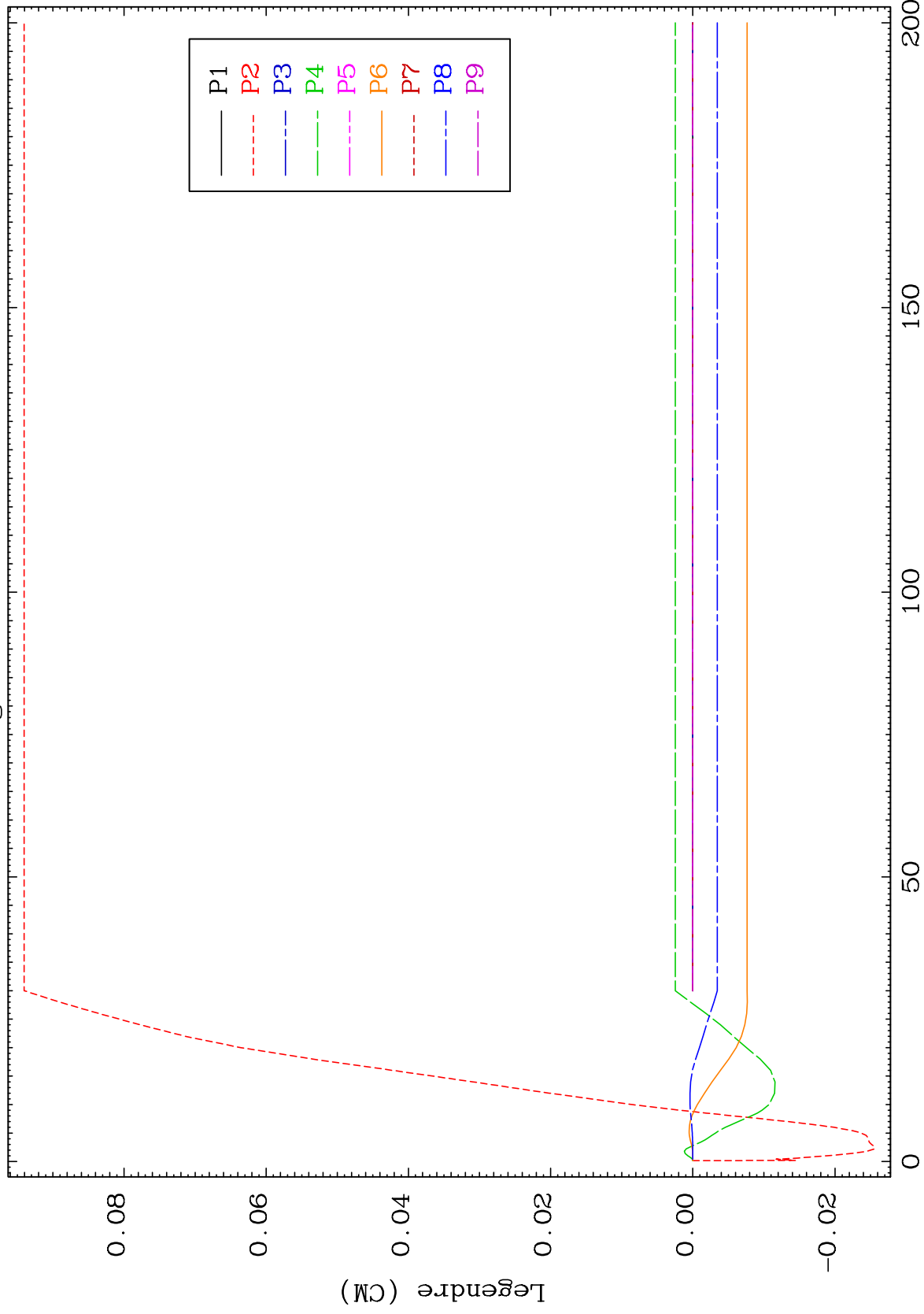
Incident Energy (MeV)

53-I -128

MAT 5328

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

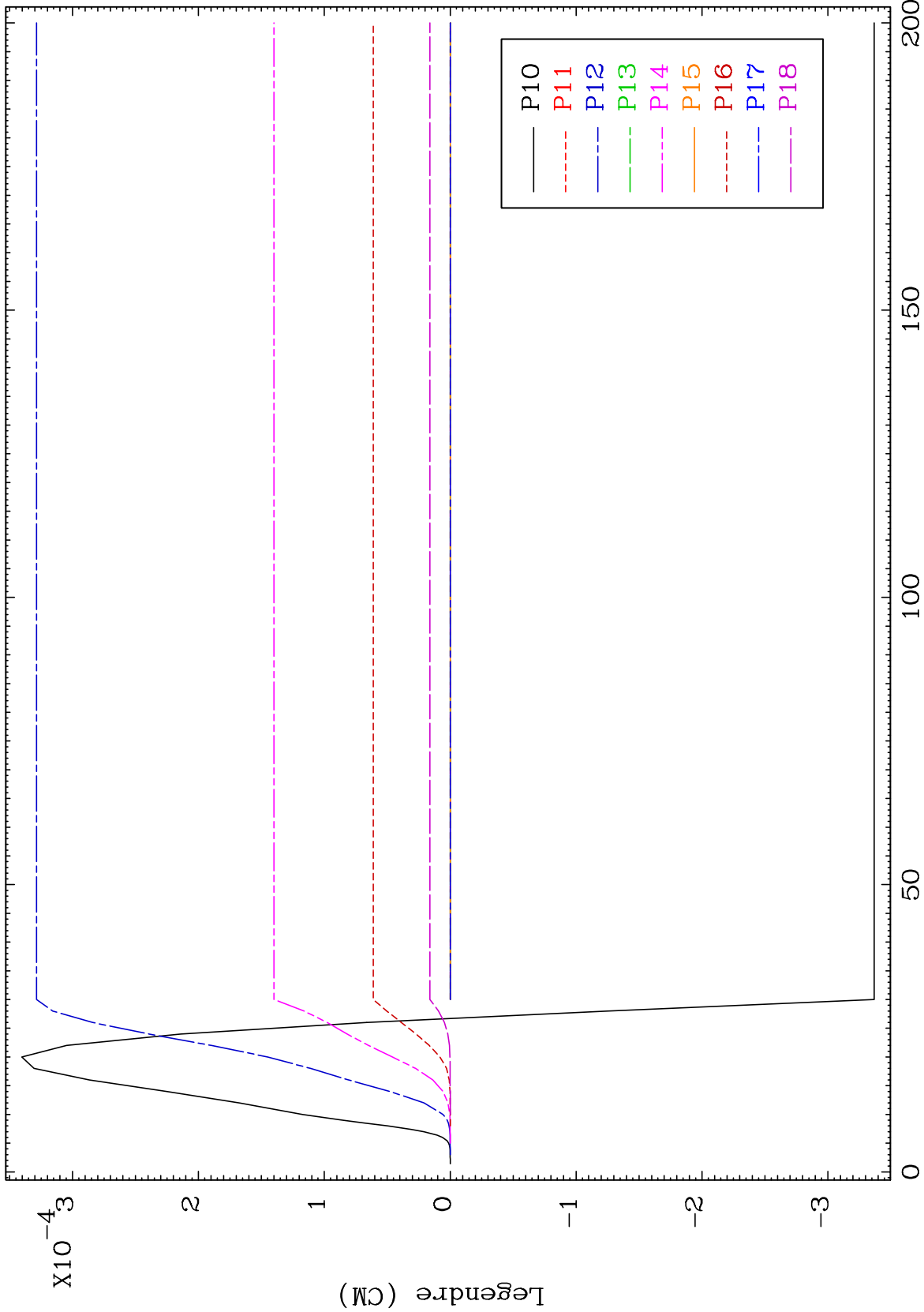
53-I -128



53-I -128

Incident Energy (MeV)

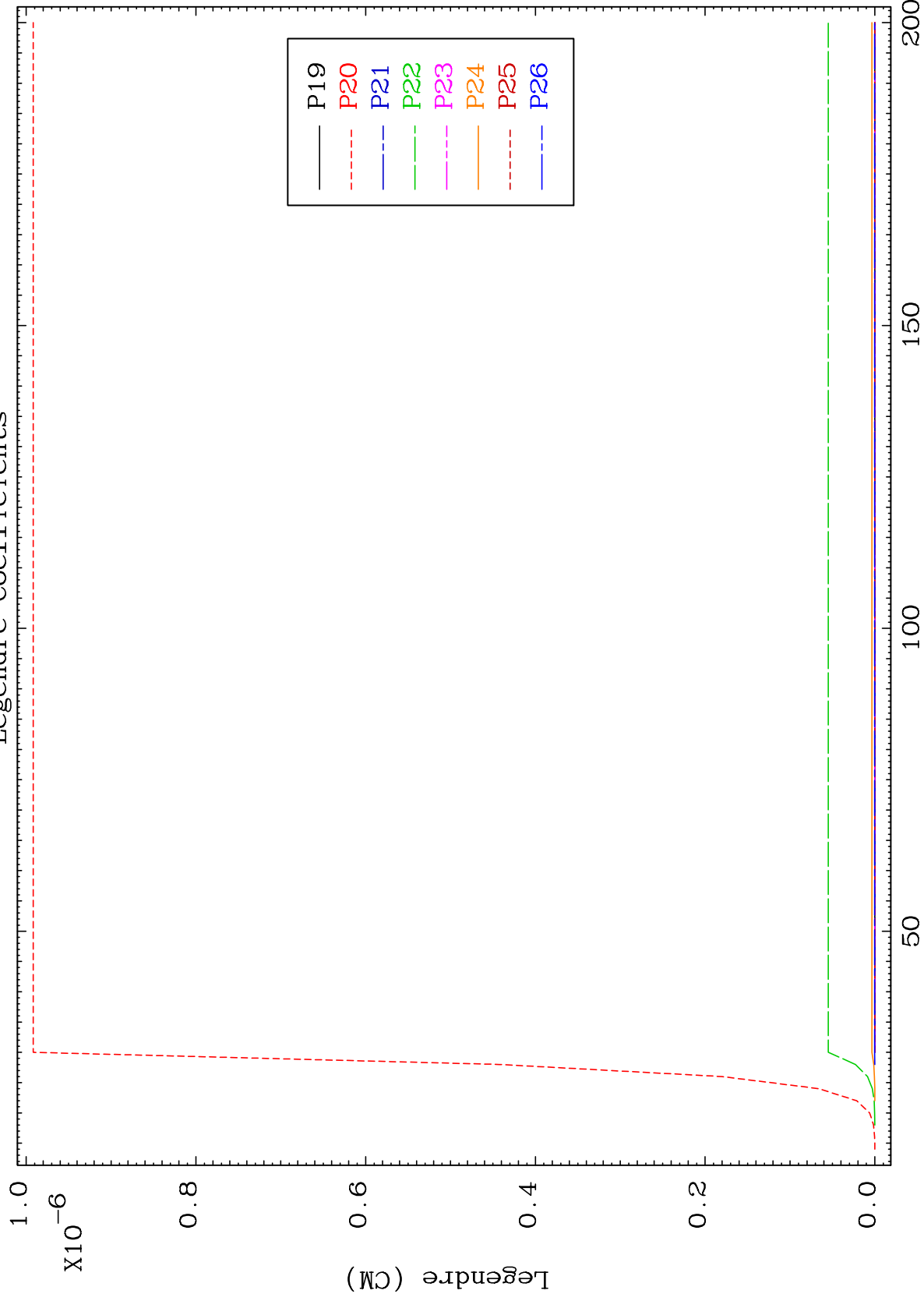
35



MAT 5328

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

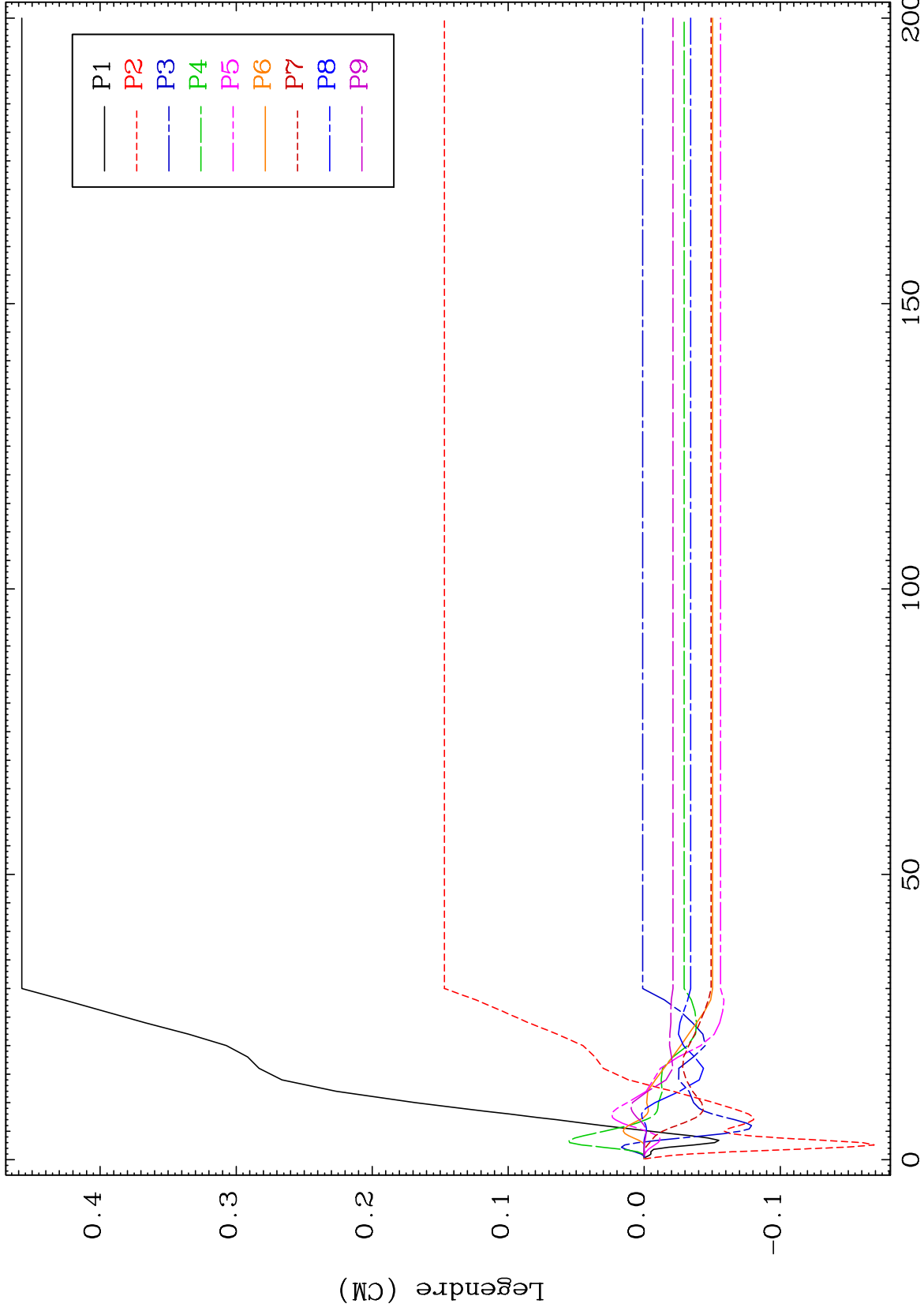
53-I -128



37

Incident Energy (MeV)

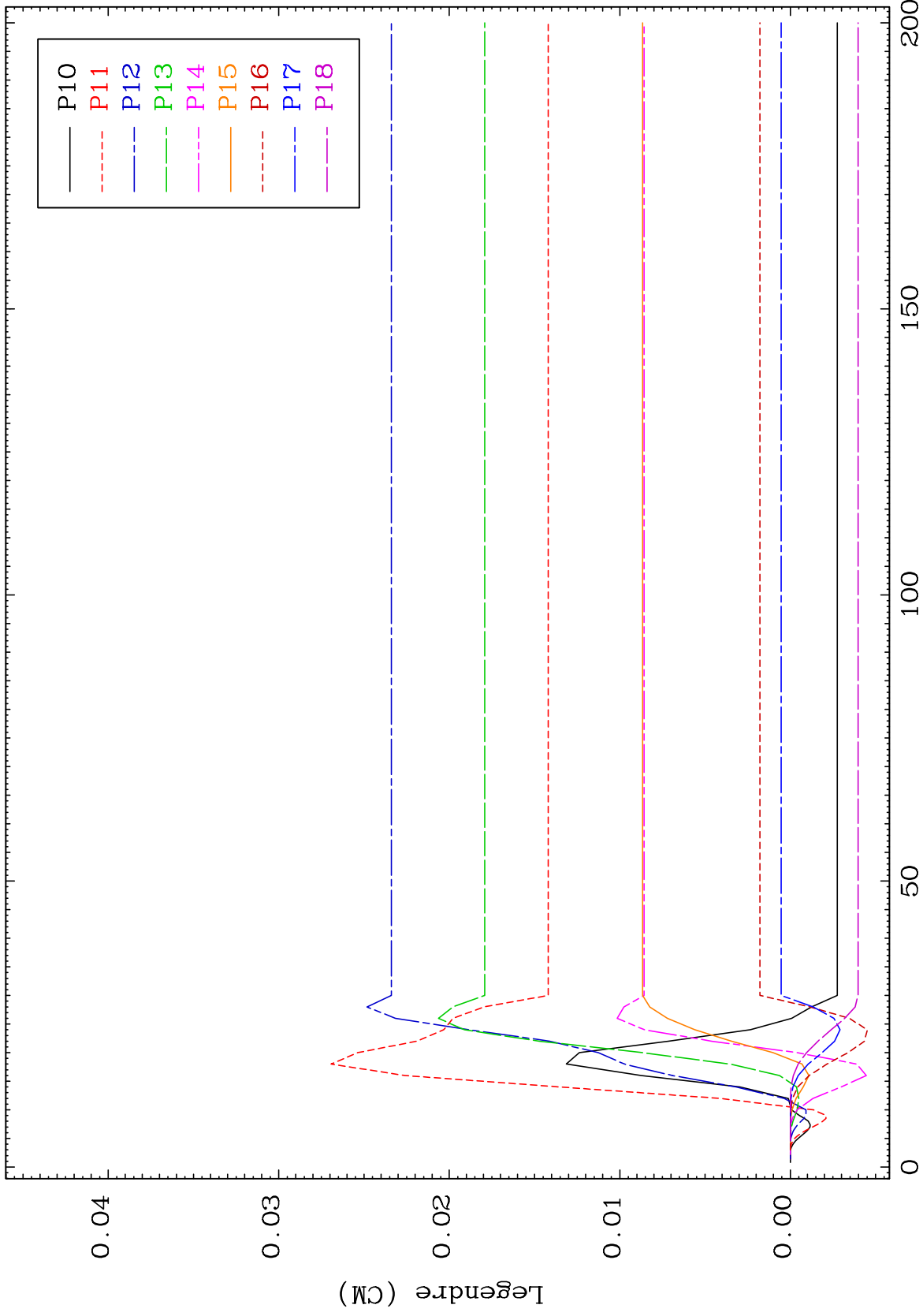
53-I -128



MAT 5328

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

53-I -128



39

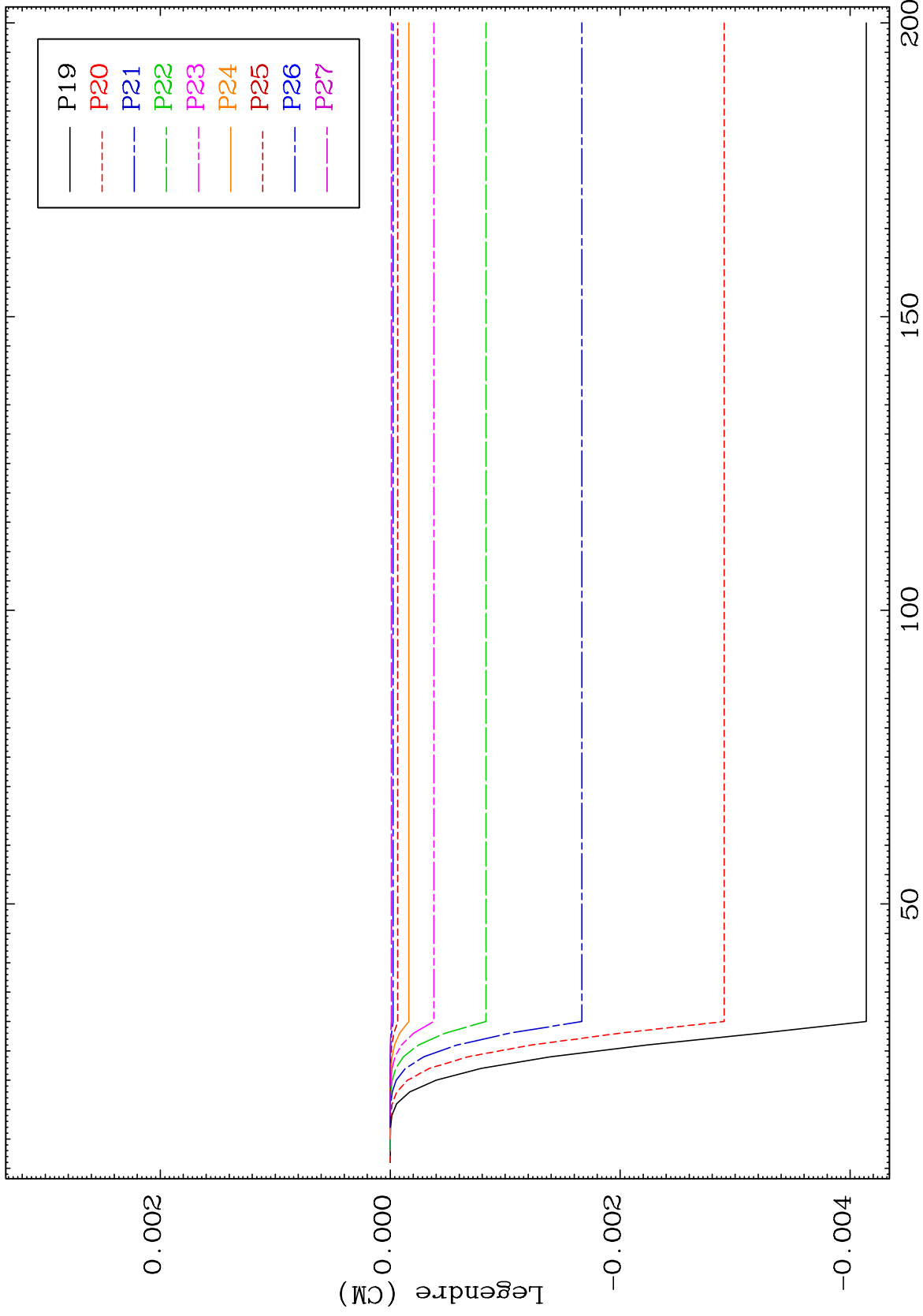
Incident Energy (MeV)

53-I -128

MAT 5328

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

53-I -128



40

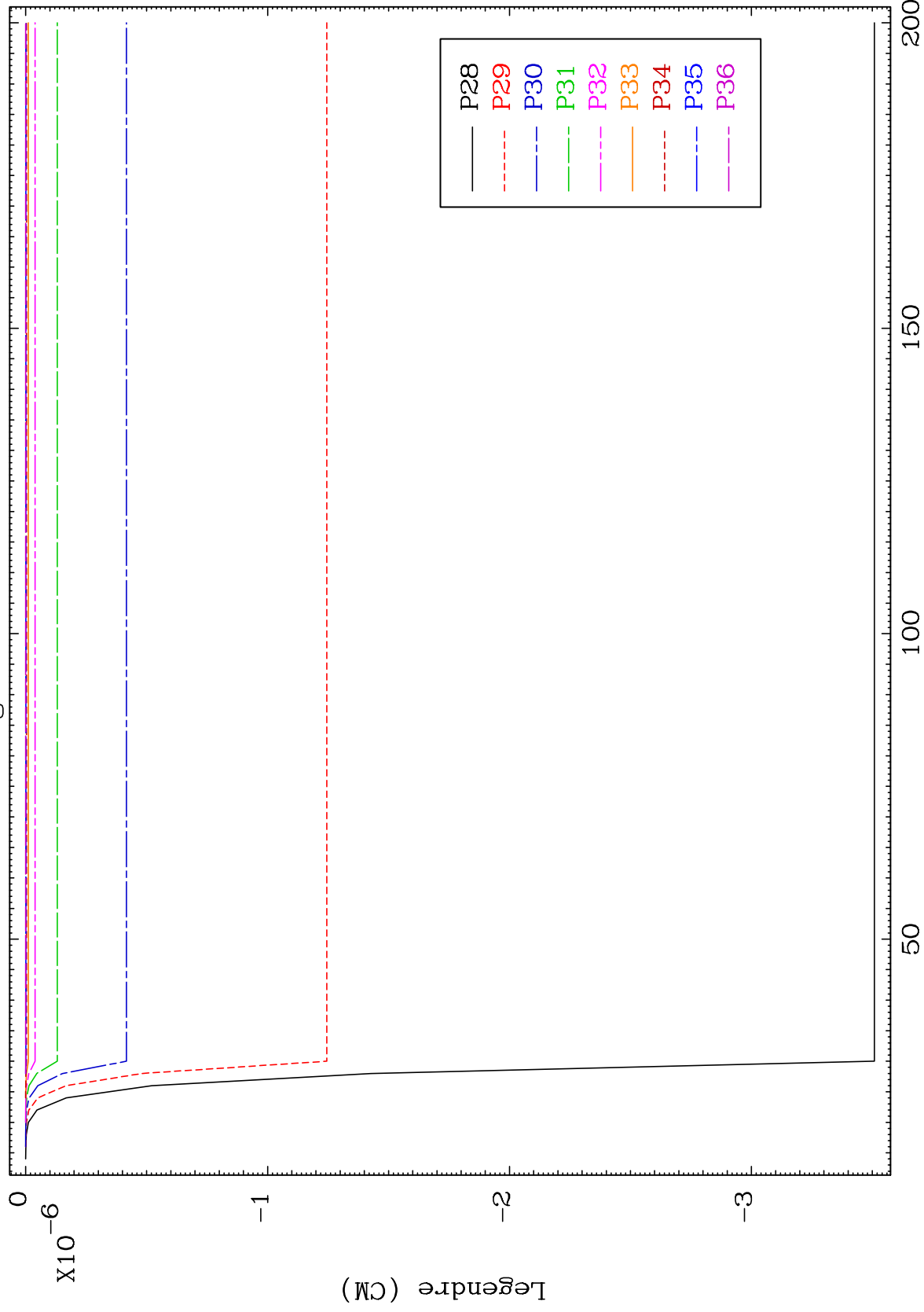
Incident Energy (MeV)

53-I -128

MAT 5328

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

53-I -128



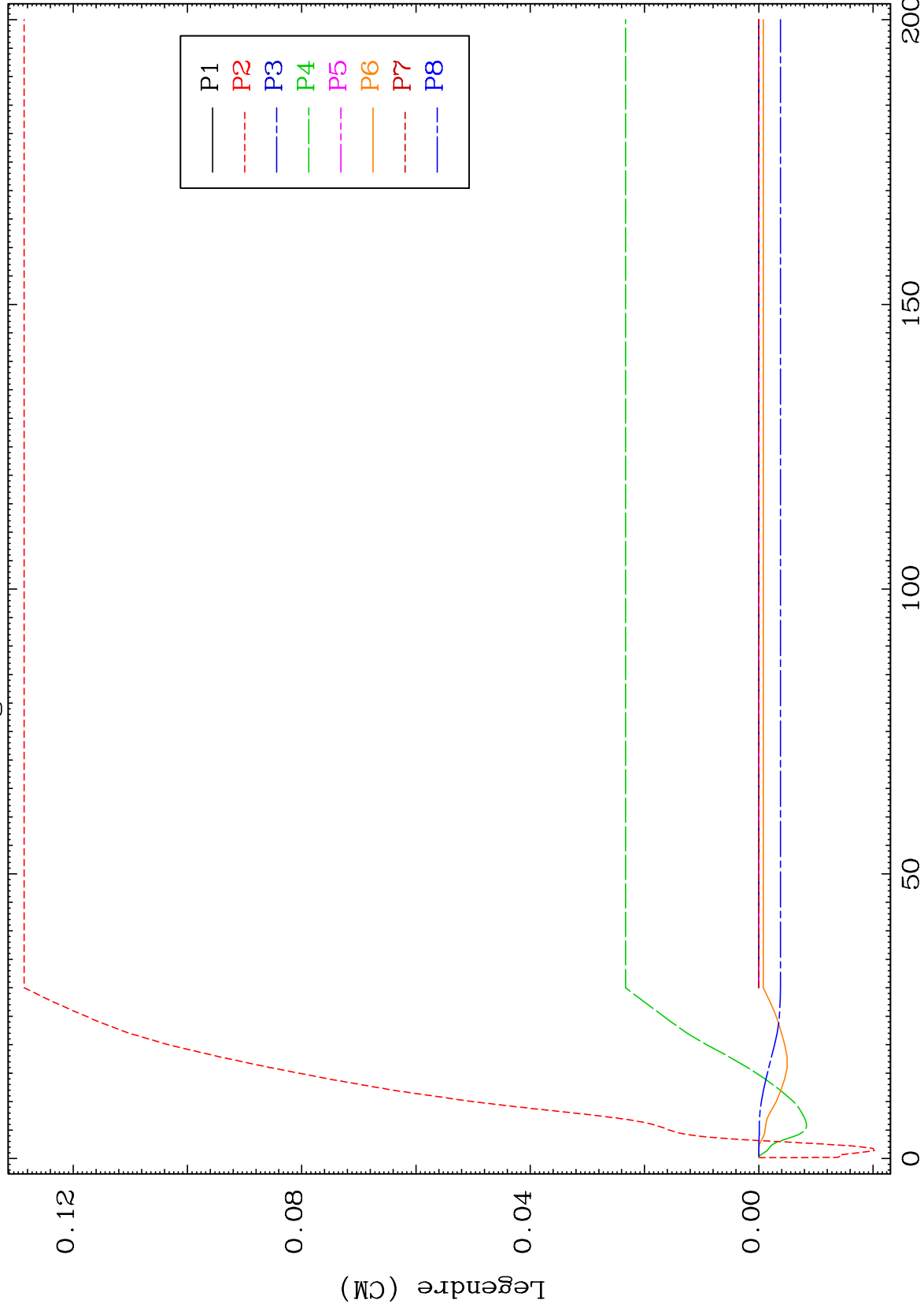
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53-I -128

MAT 5328

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

53-I -128



53-I -128

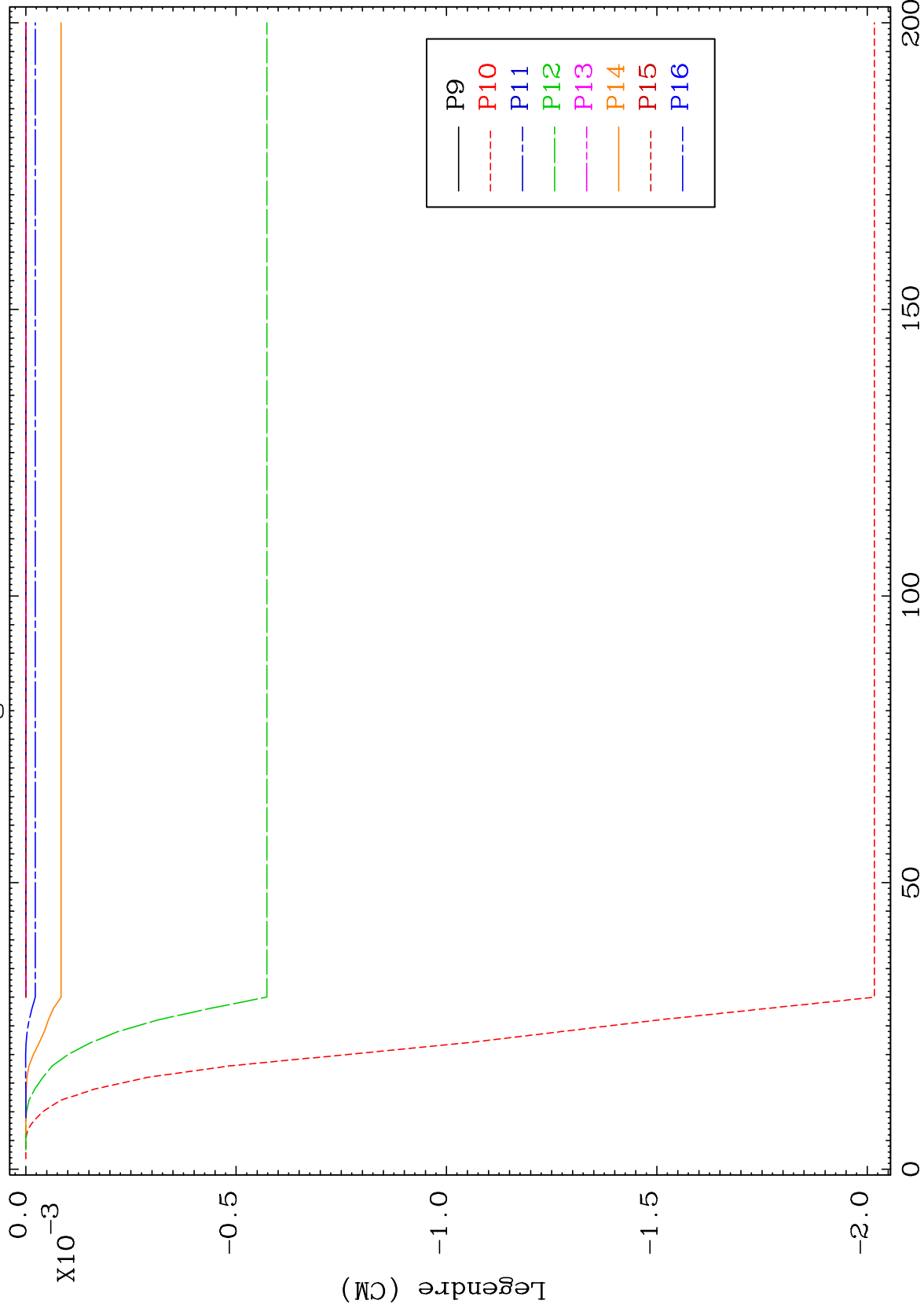
Incident Energy (MeV)

42

MAT 5328

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

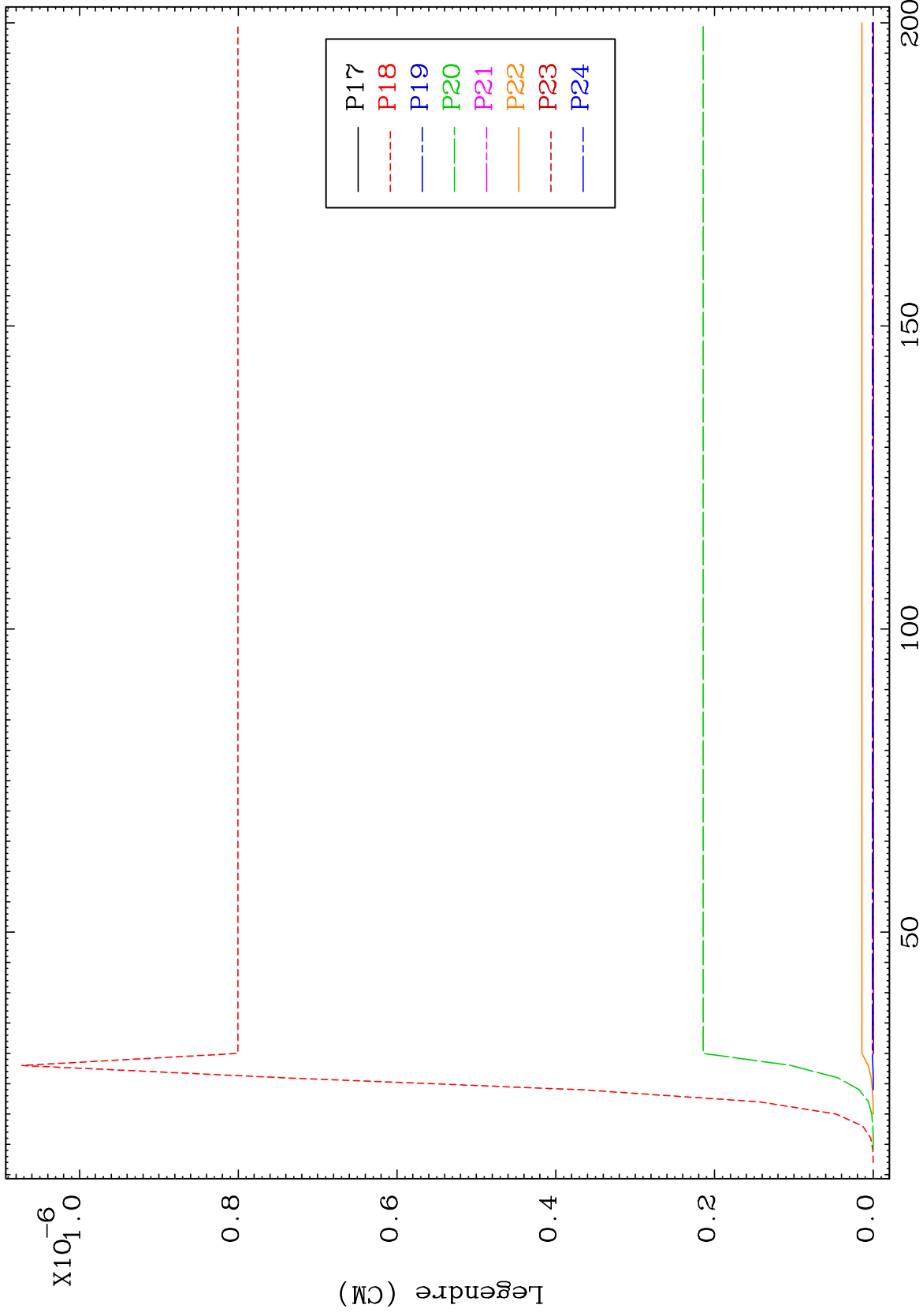
53-I -128



43

Incident Energy (MeV)

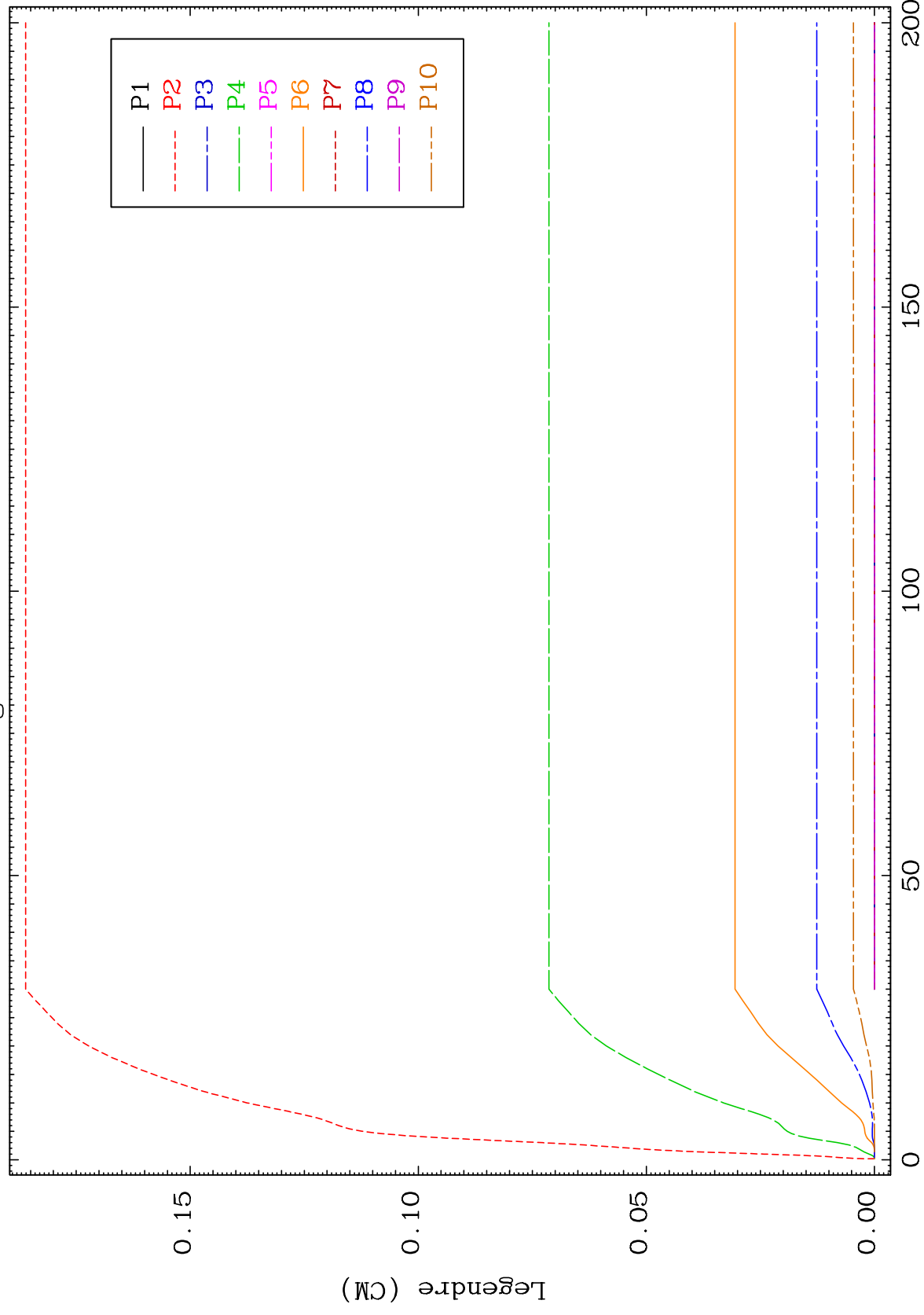
53-I -128



MAT 5328

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

53-I -128



53-I -128

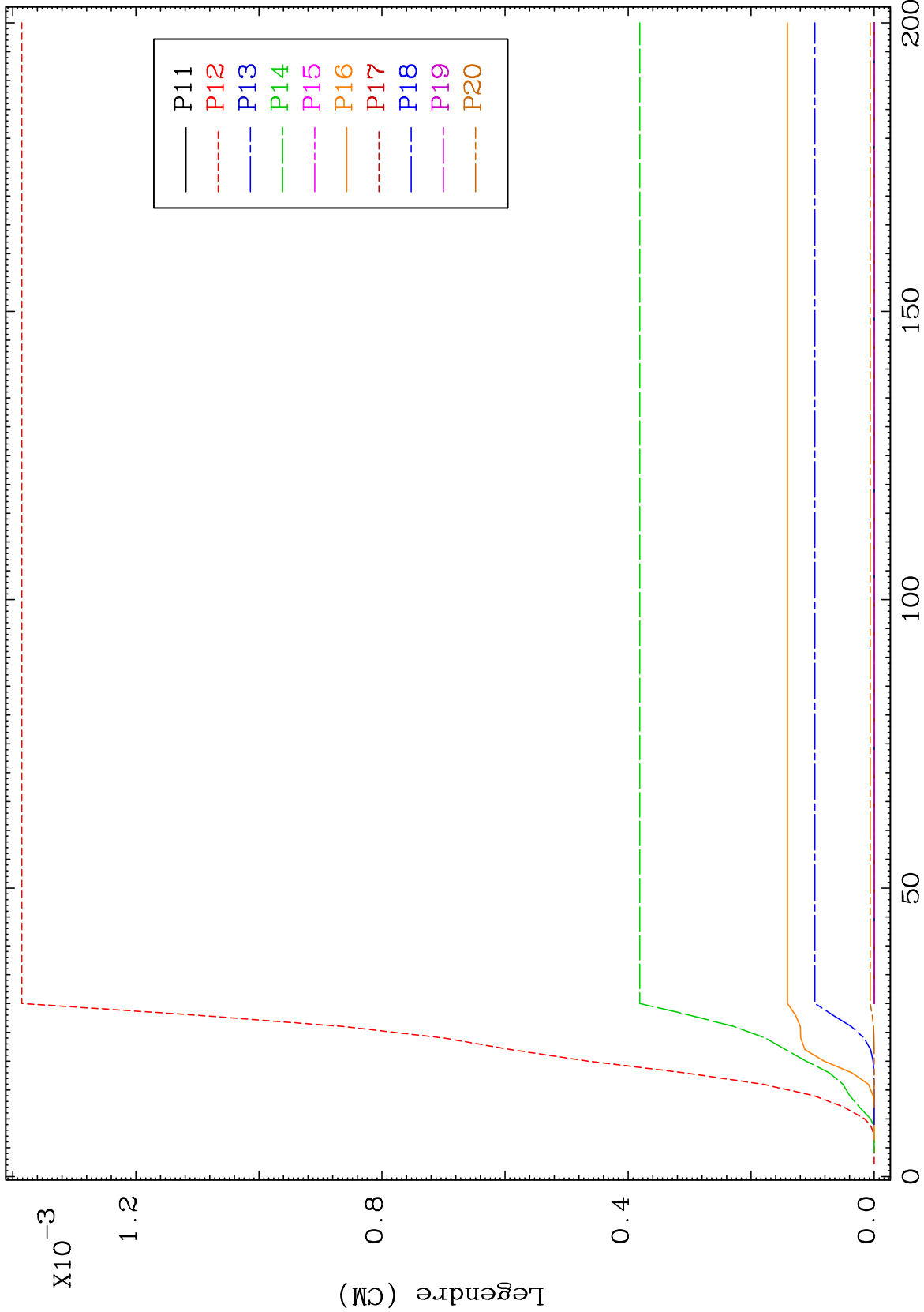
Incident Energy (MeV)

45

MAT 5328

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

53-I -128



46

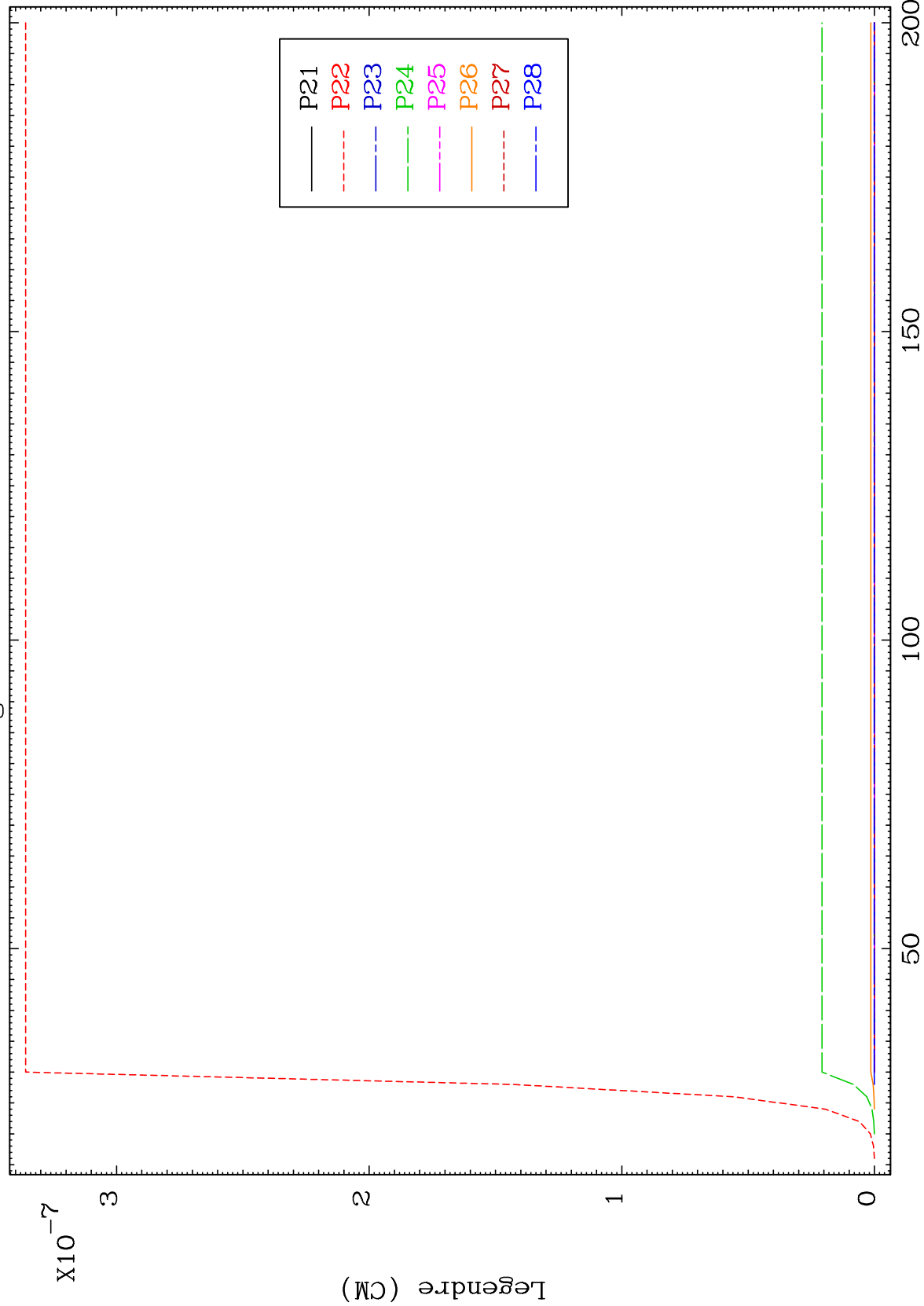
Incident Energy (MeV)

53-I -128

MAT 5328

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

53-I -128



47

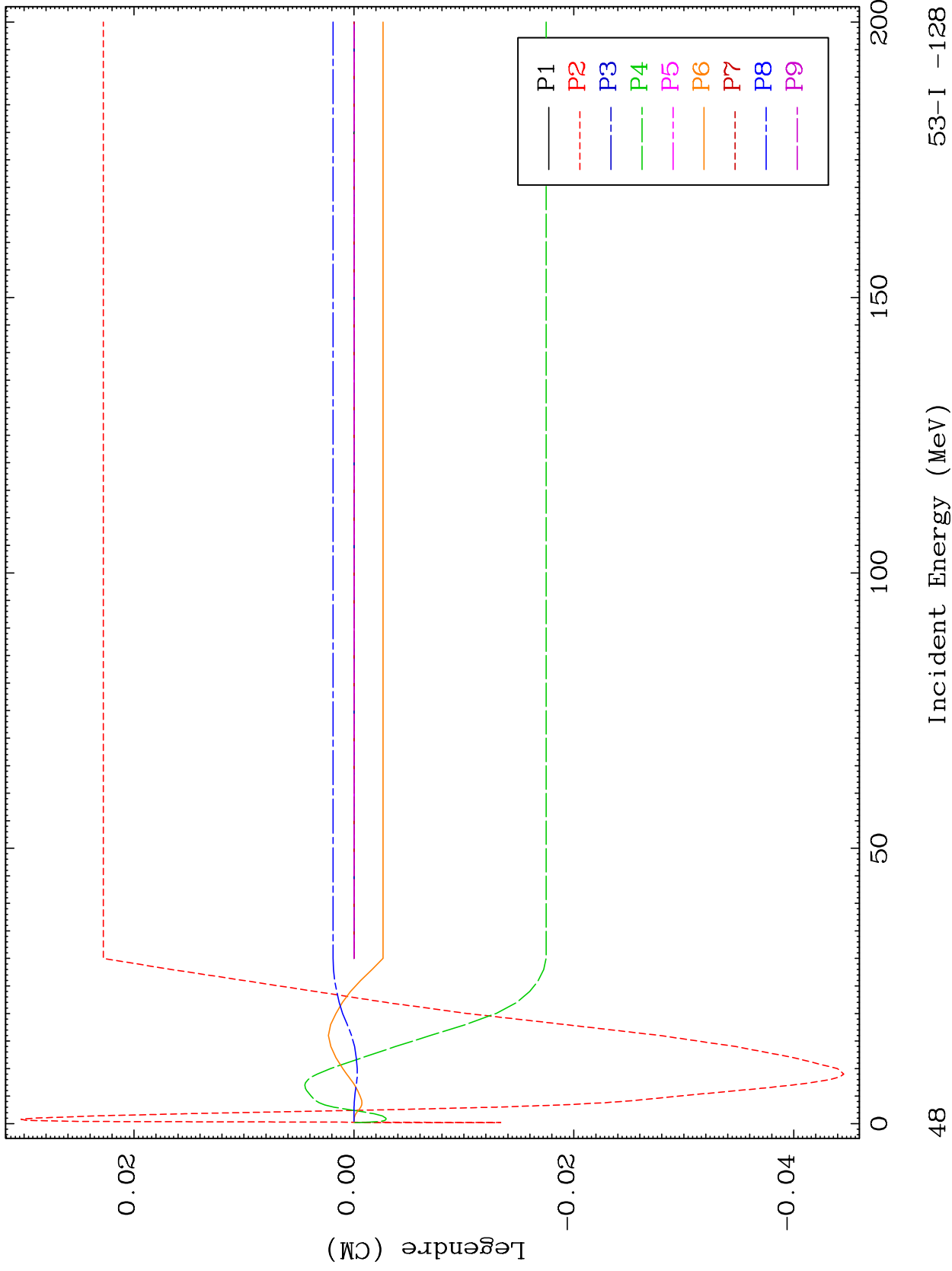
Incident Energy (MeV)

53-I -128

MAT 5328

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

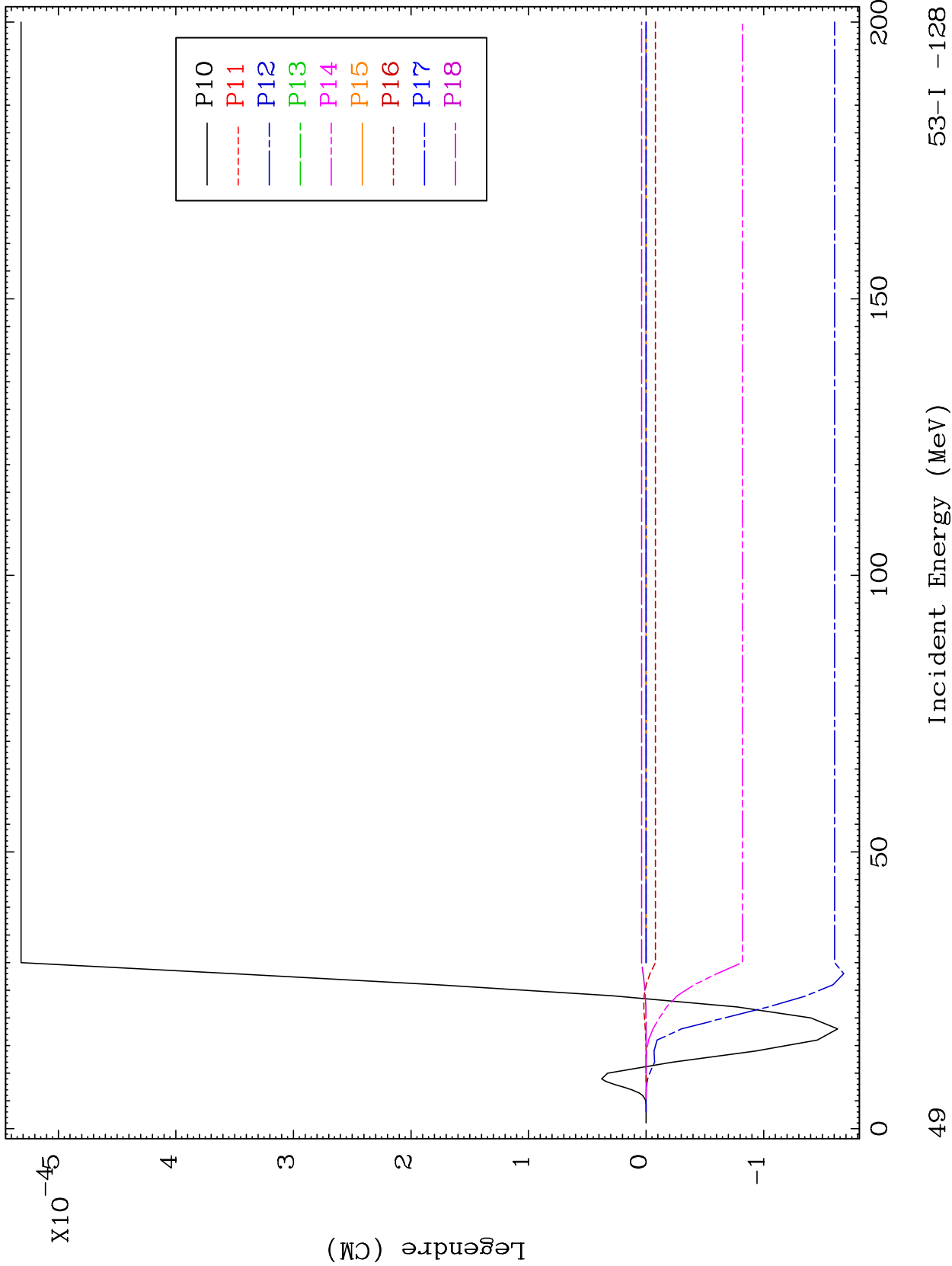
53-I -128



53-I -128

Incident Energy (MeV)

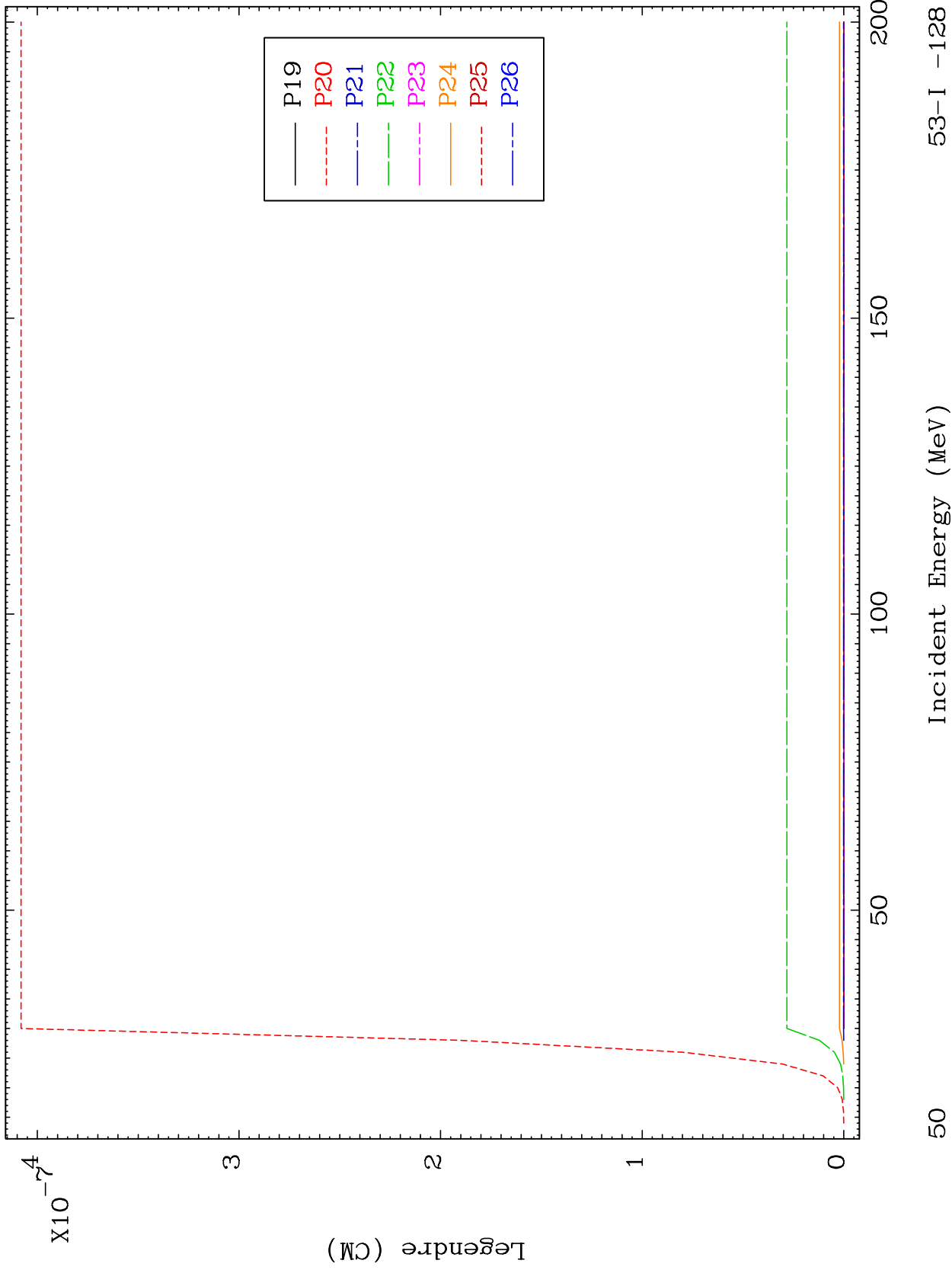
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MAT 5328

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

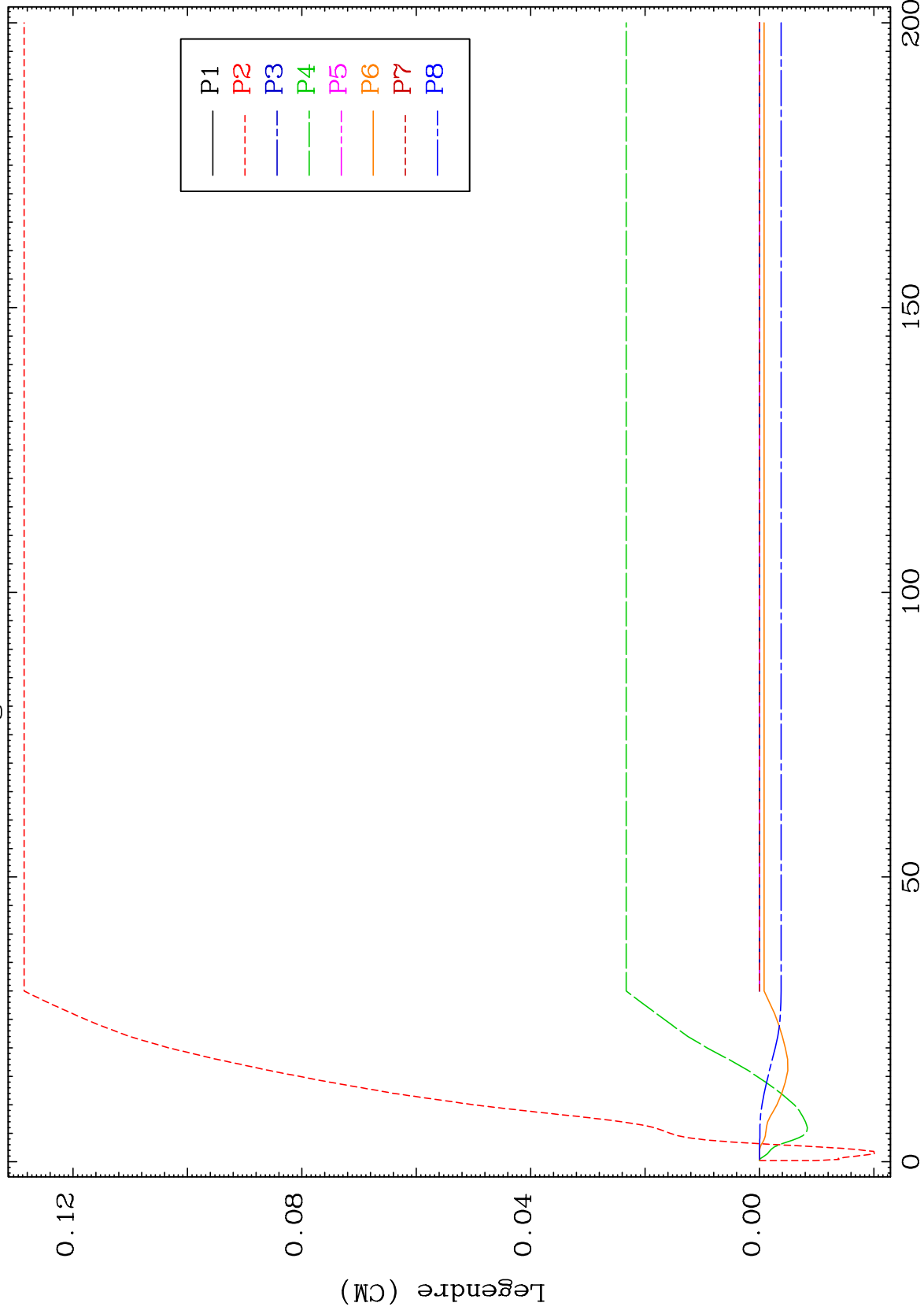
53-I -128



MAT 5328

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

53-I -128



51

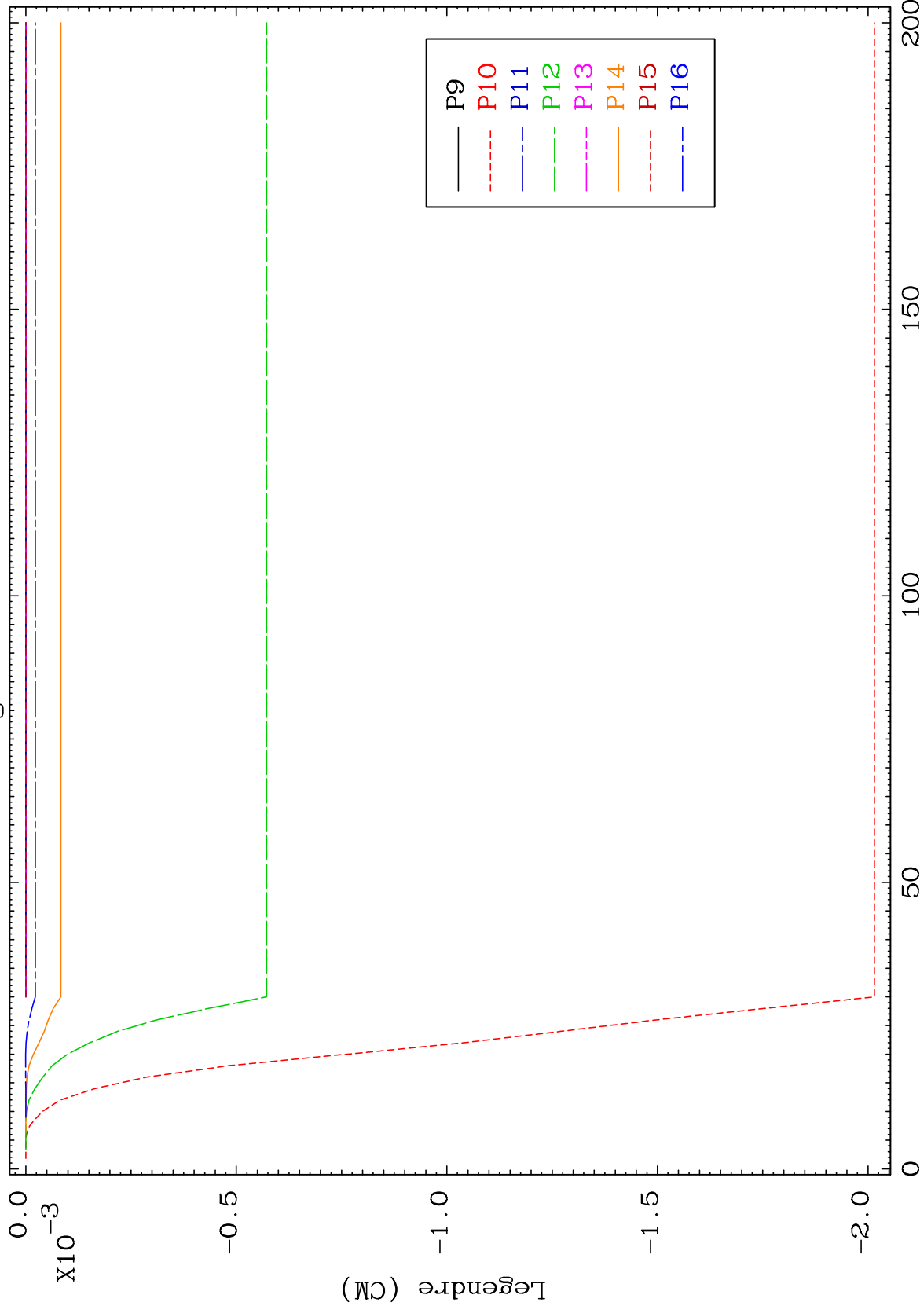
Incident Energy (MeV)

53-I -128

MAT 5328

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

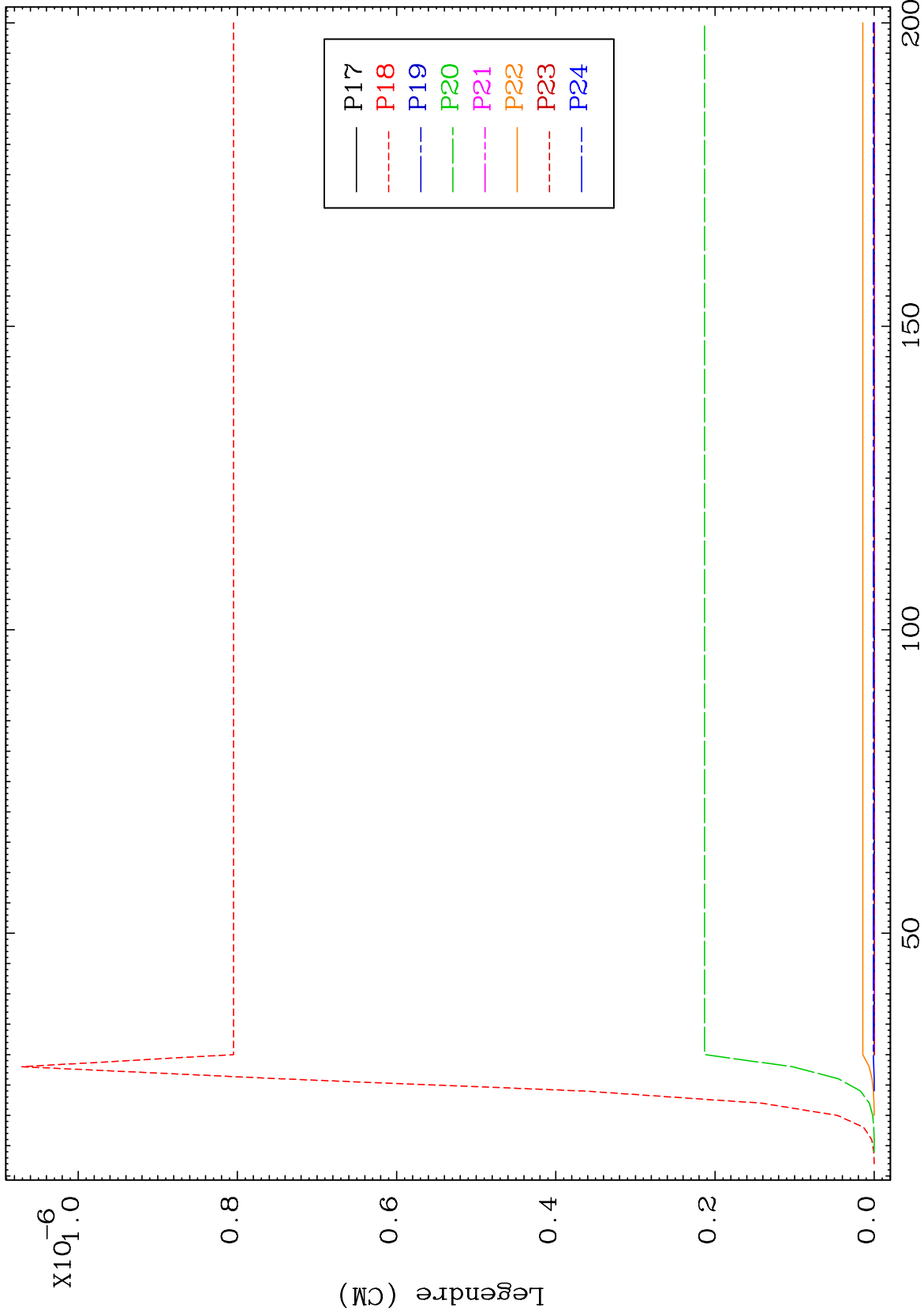
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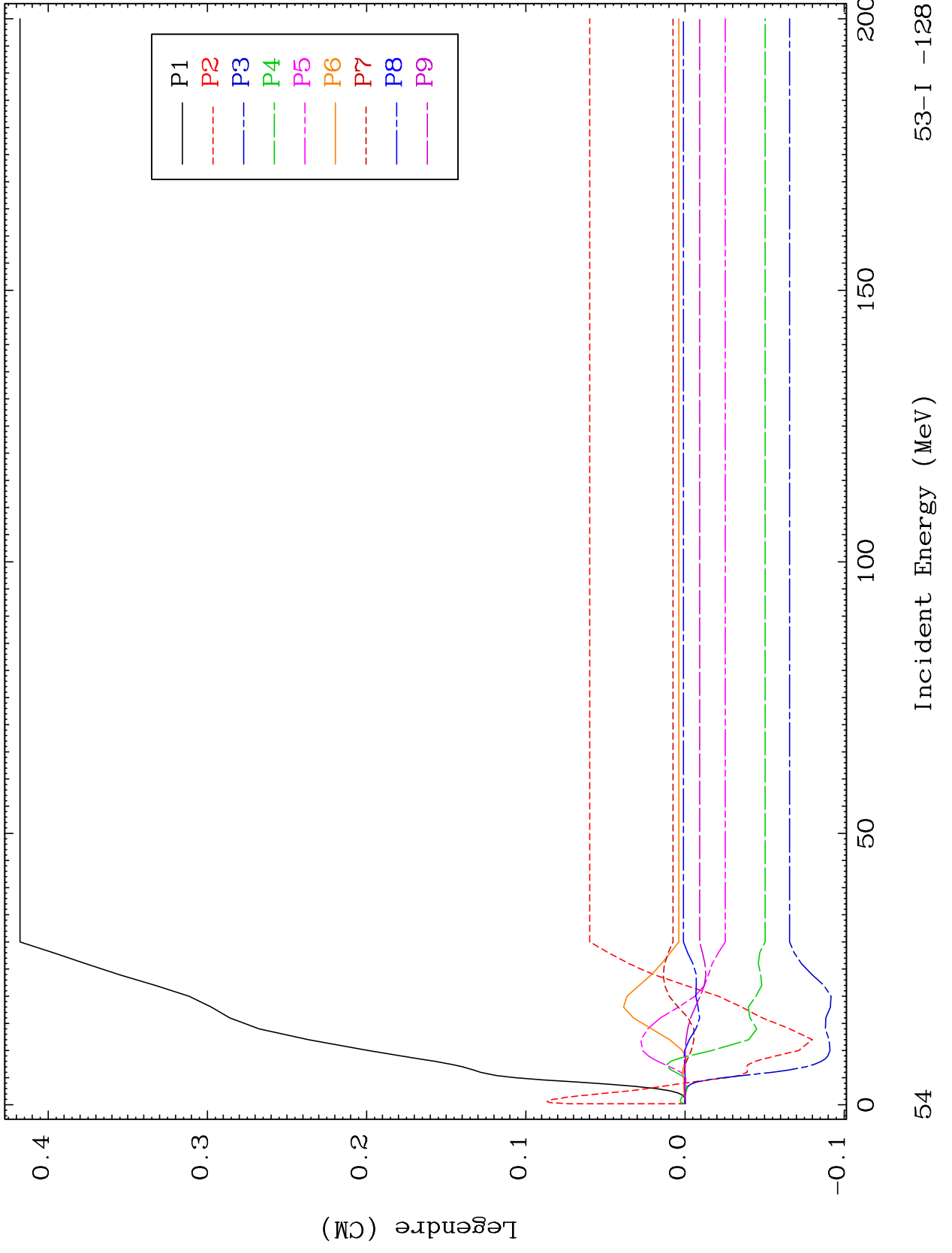


52

Incident Energy (MeV)

53-I -128

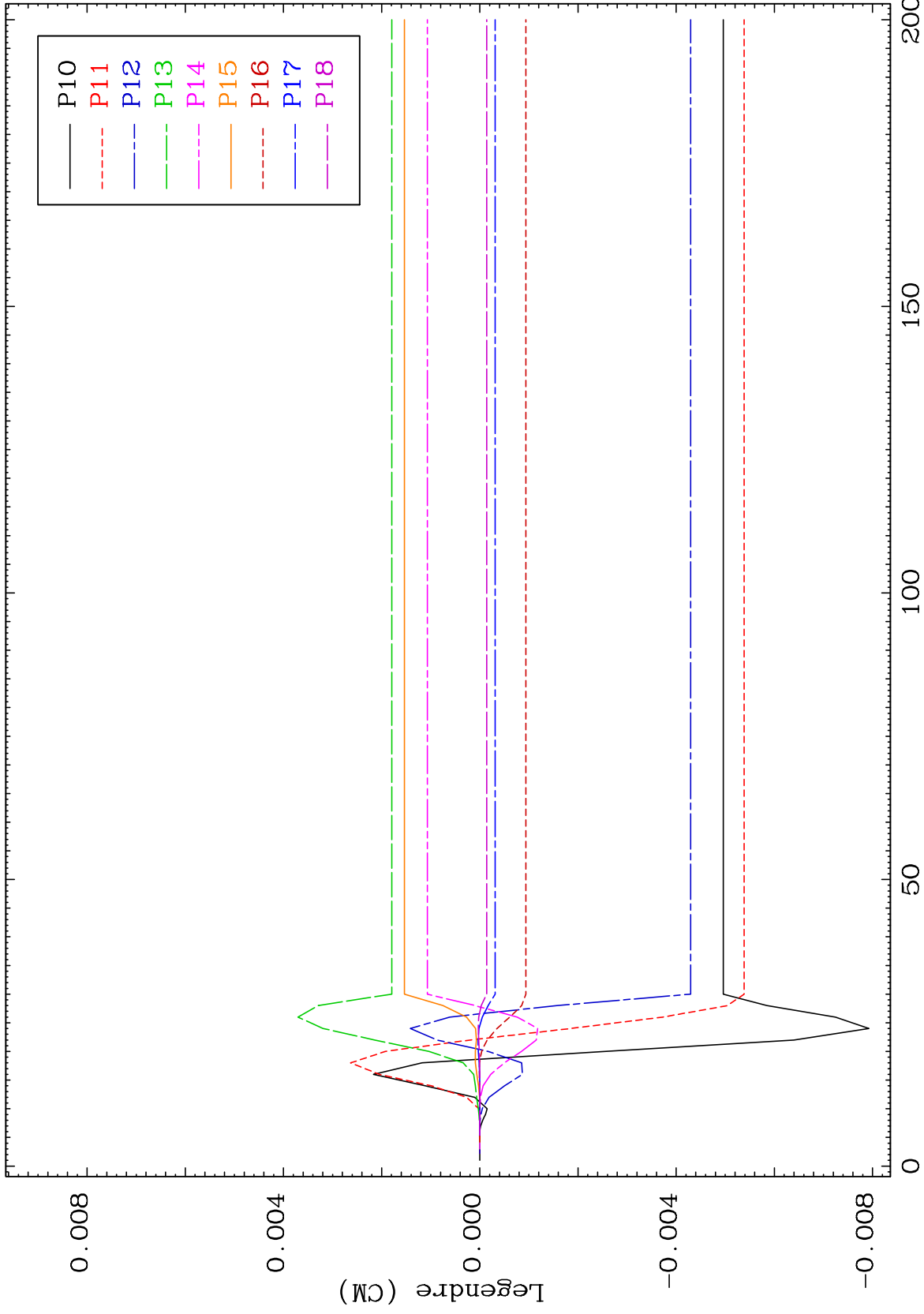




MAT 5328

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

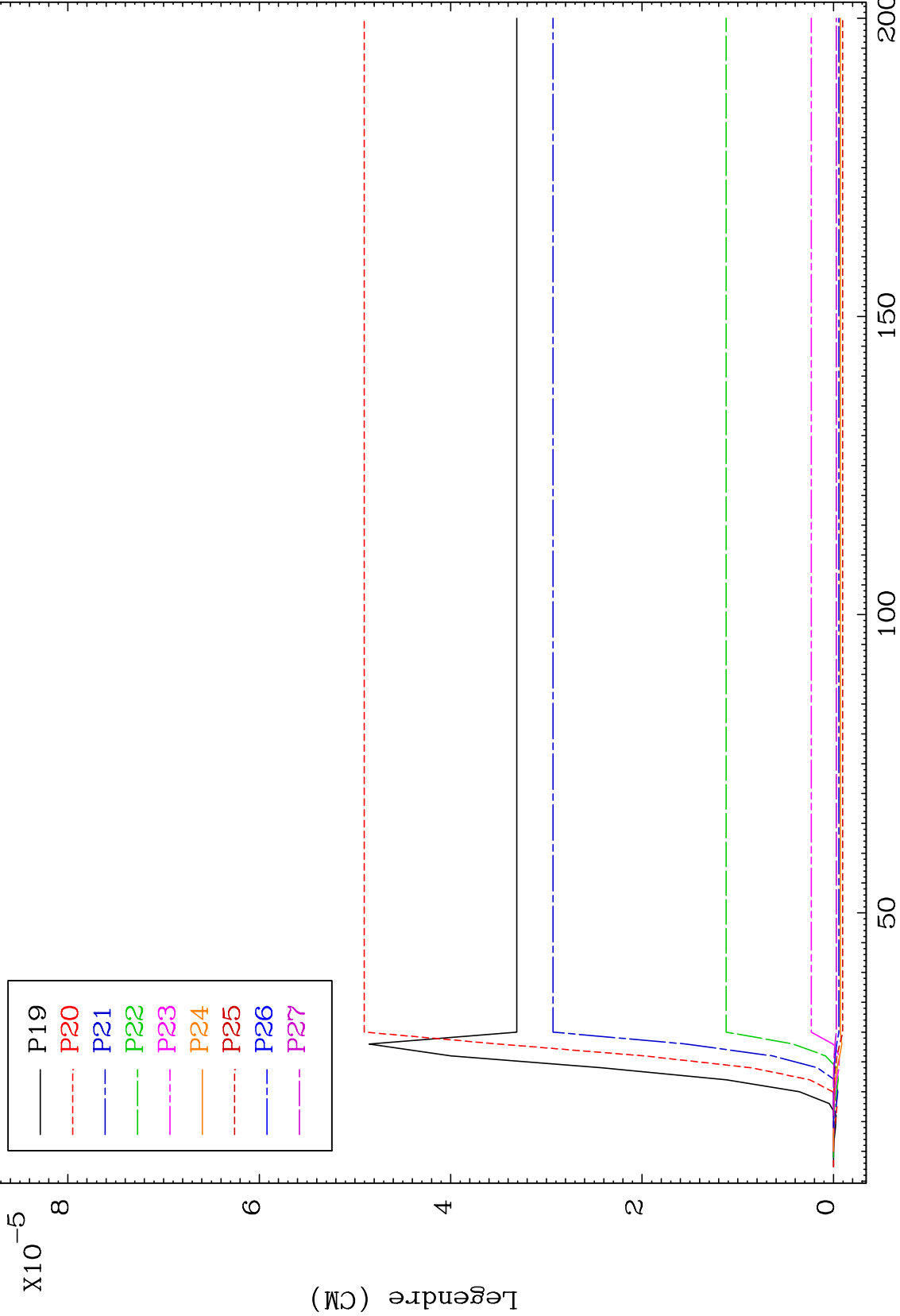
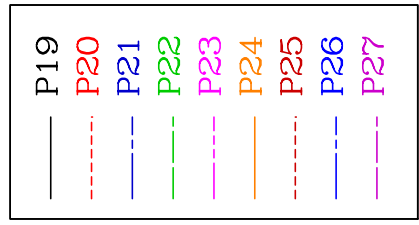
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55

Incident Energy (MeV)

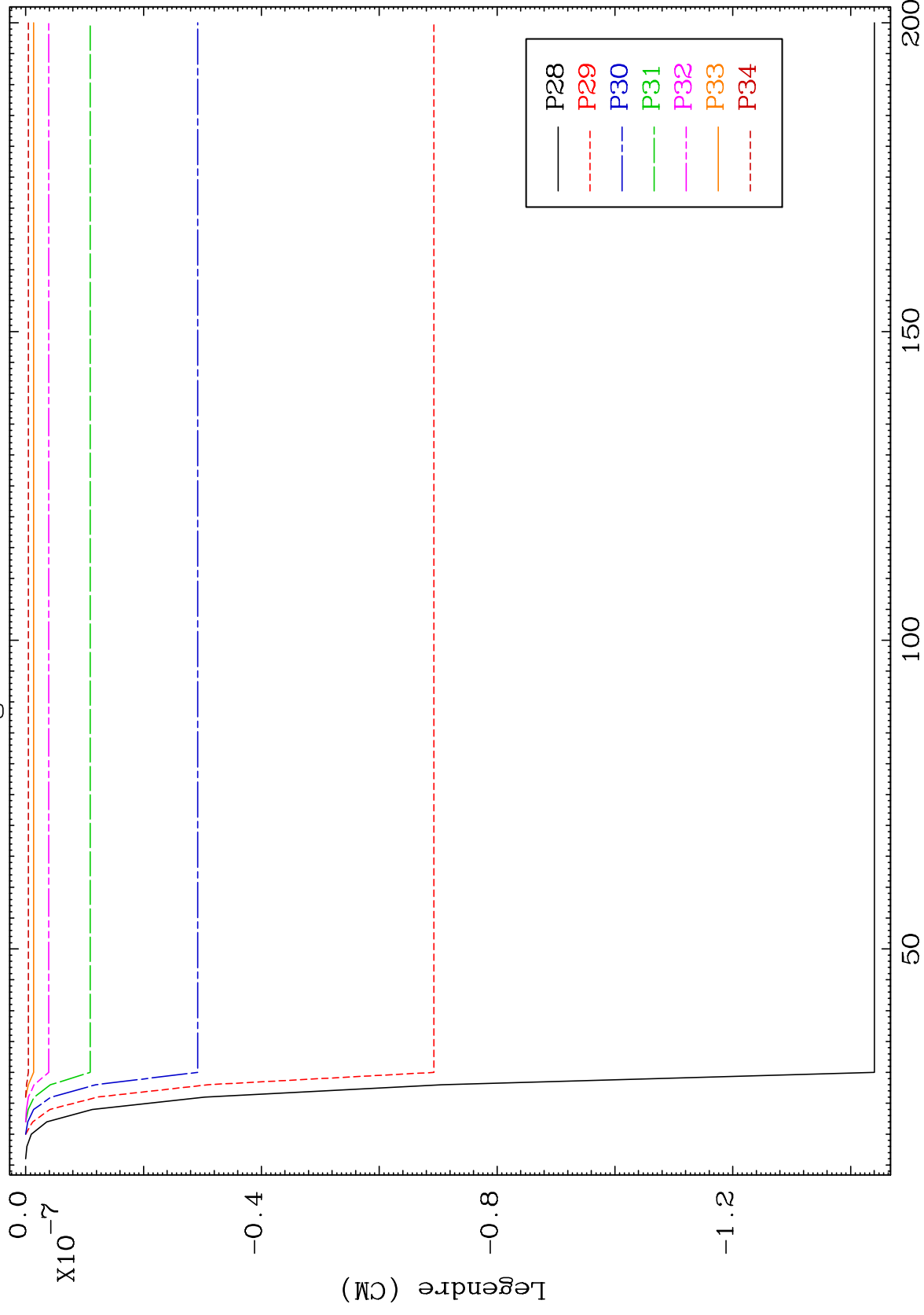
53-I -128



MAT 5328

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

53-I -128



57

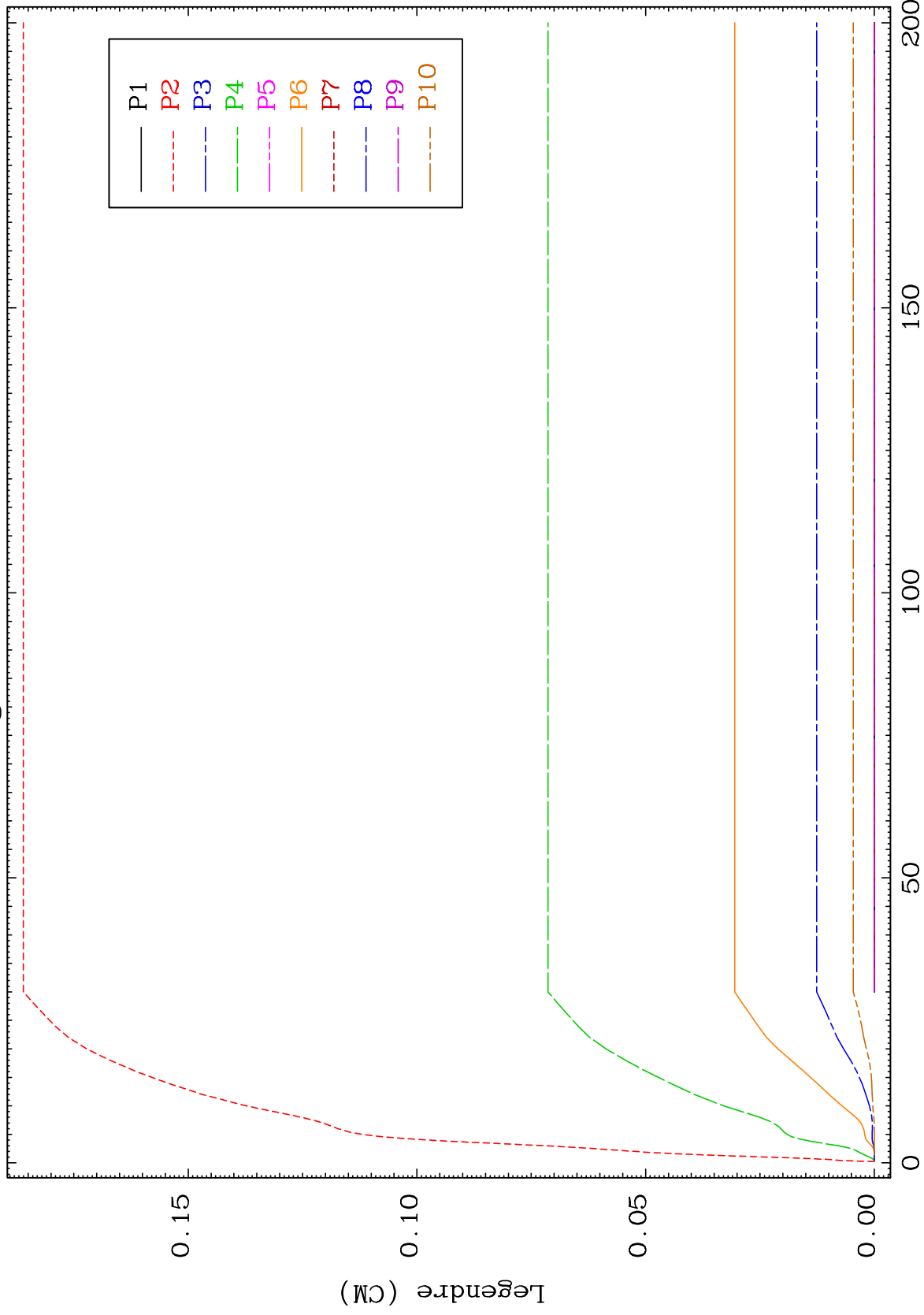
Incident Energy (MeV)

53-I -128

MAT 5328

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

53-I -128



58

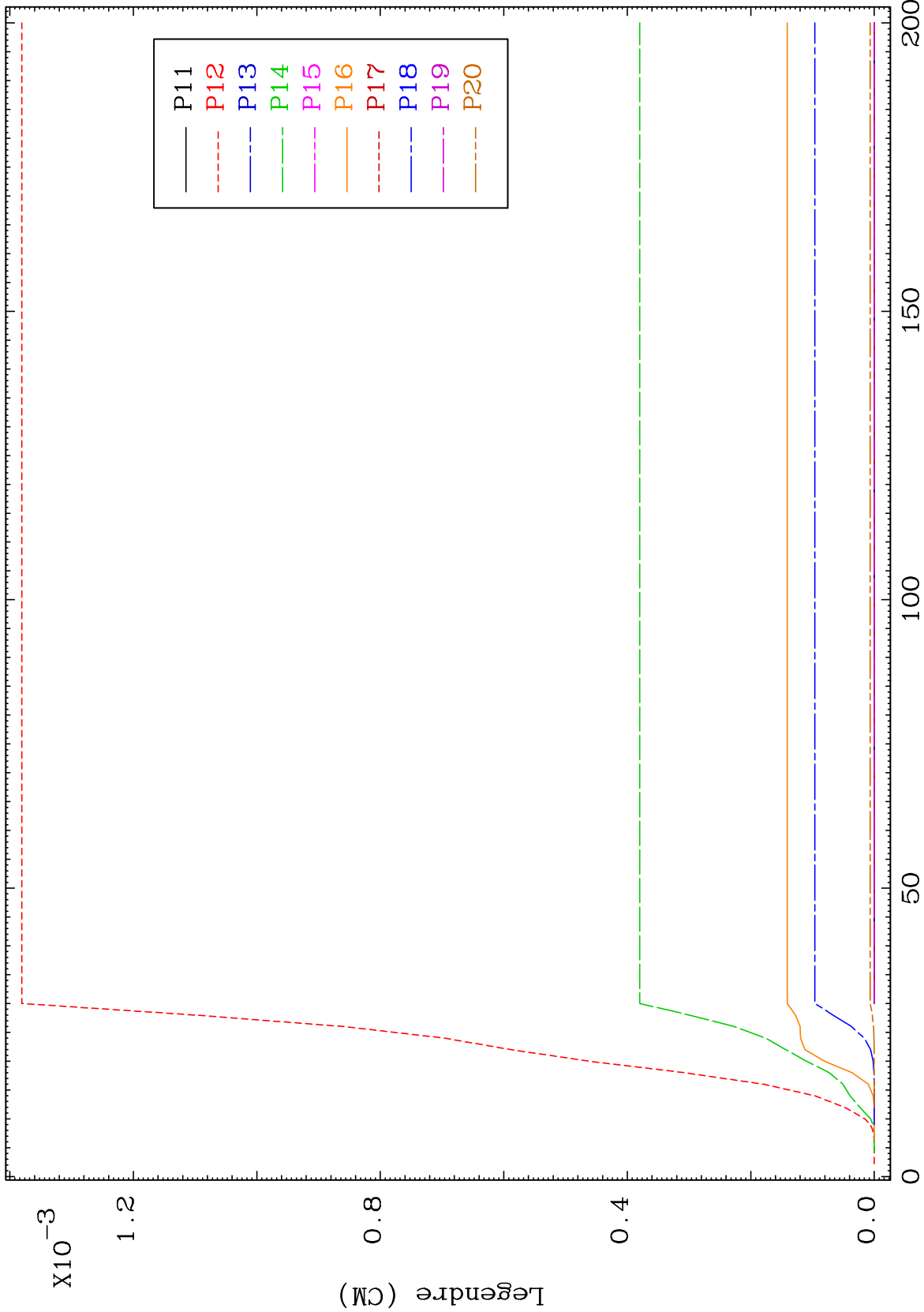
Incident Energy (MeV)

53-I -128

MAT 5328

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

53-I -128



59

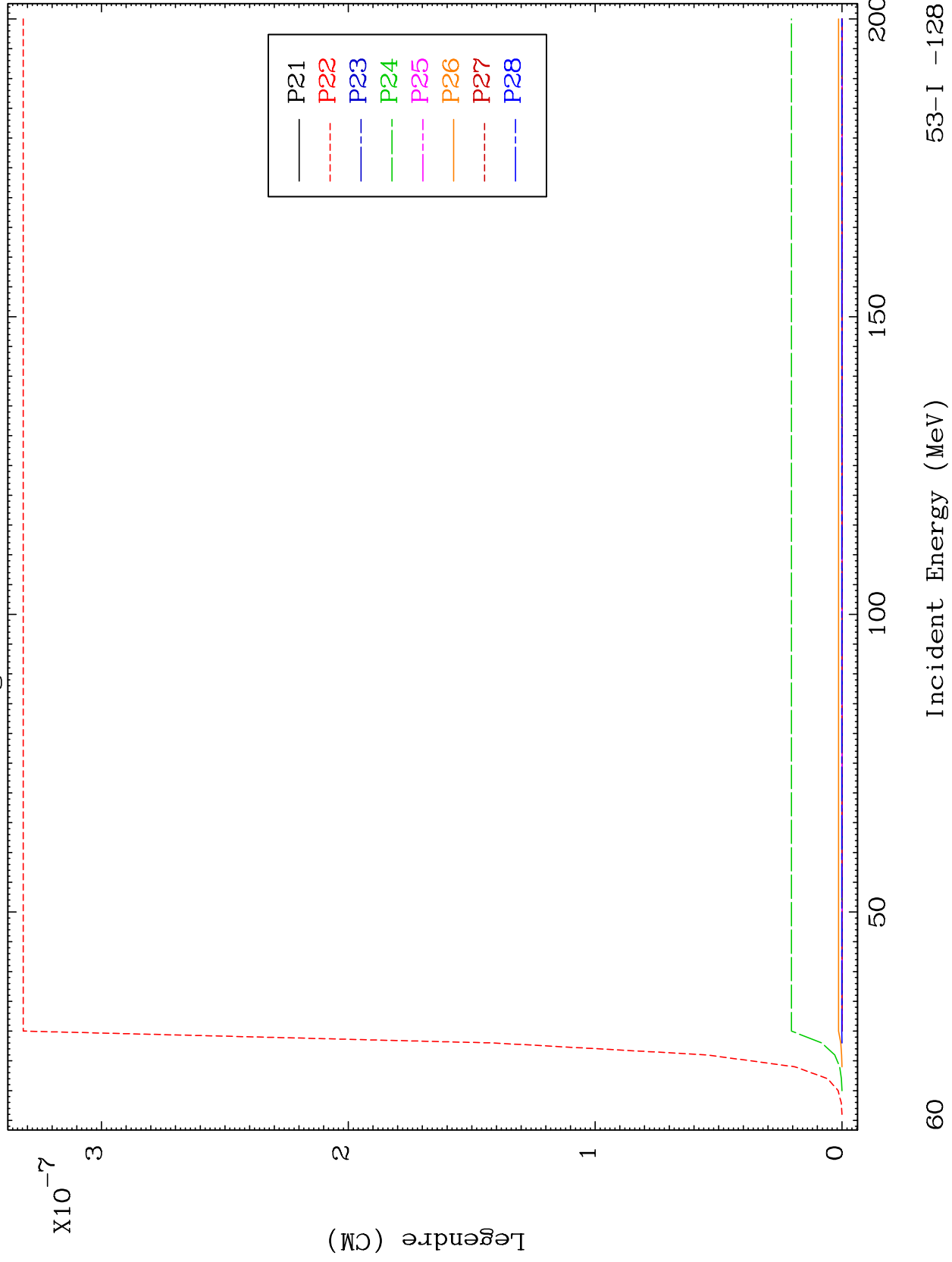
Incident Energy (MeV)

53-I -128

MAT 5328

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

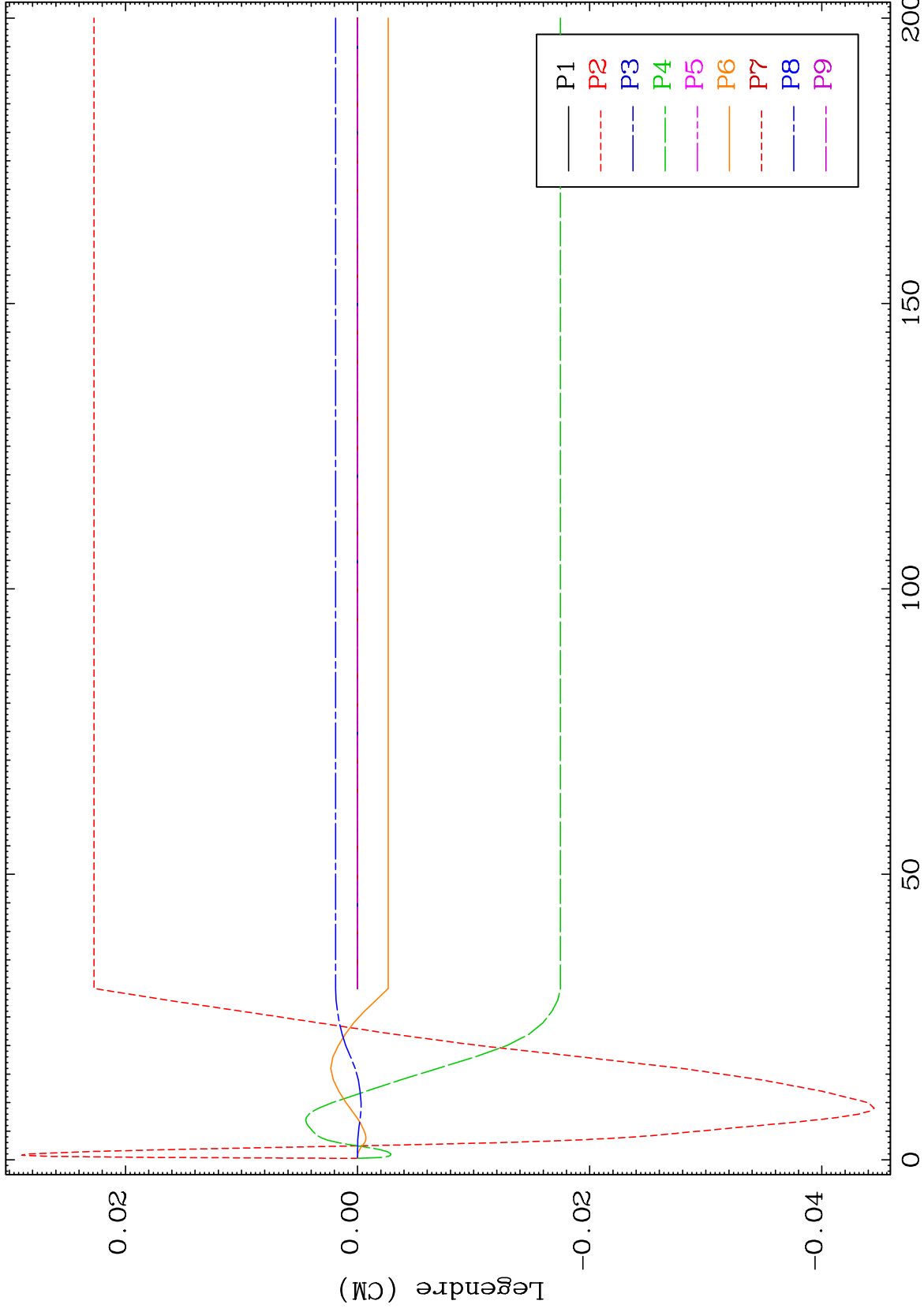
53-I -128



MAT 5328

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

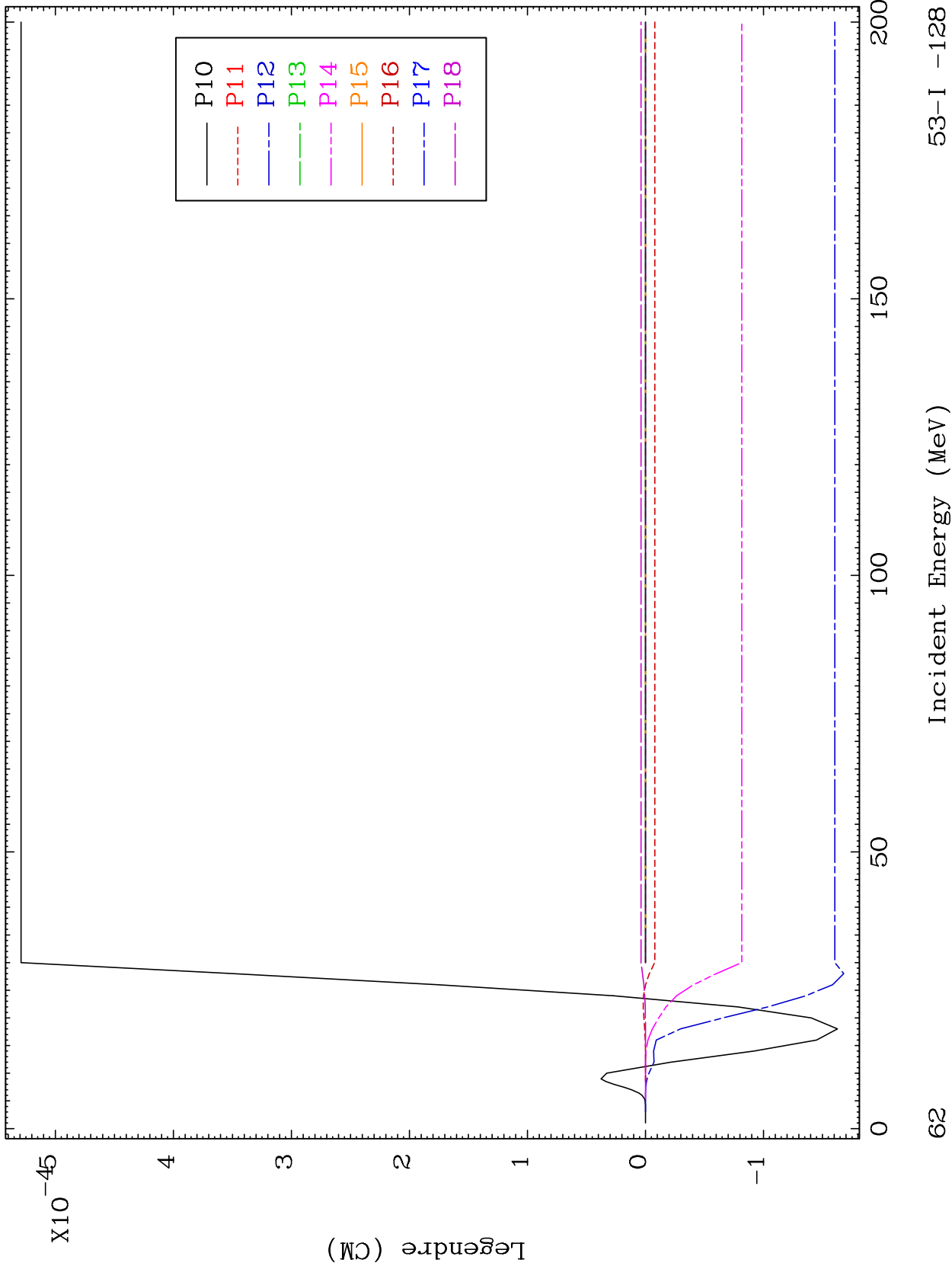
53-I -128



61

Incident Energy (MeV)

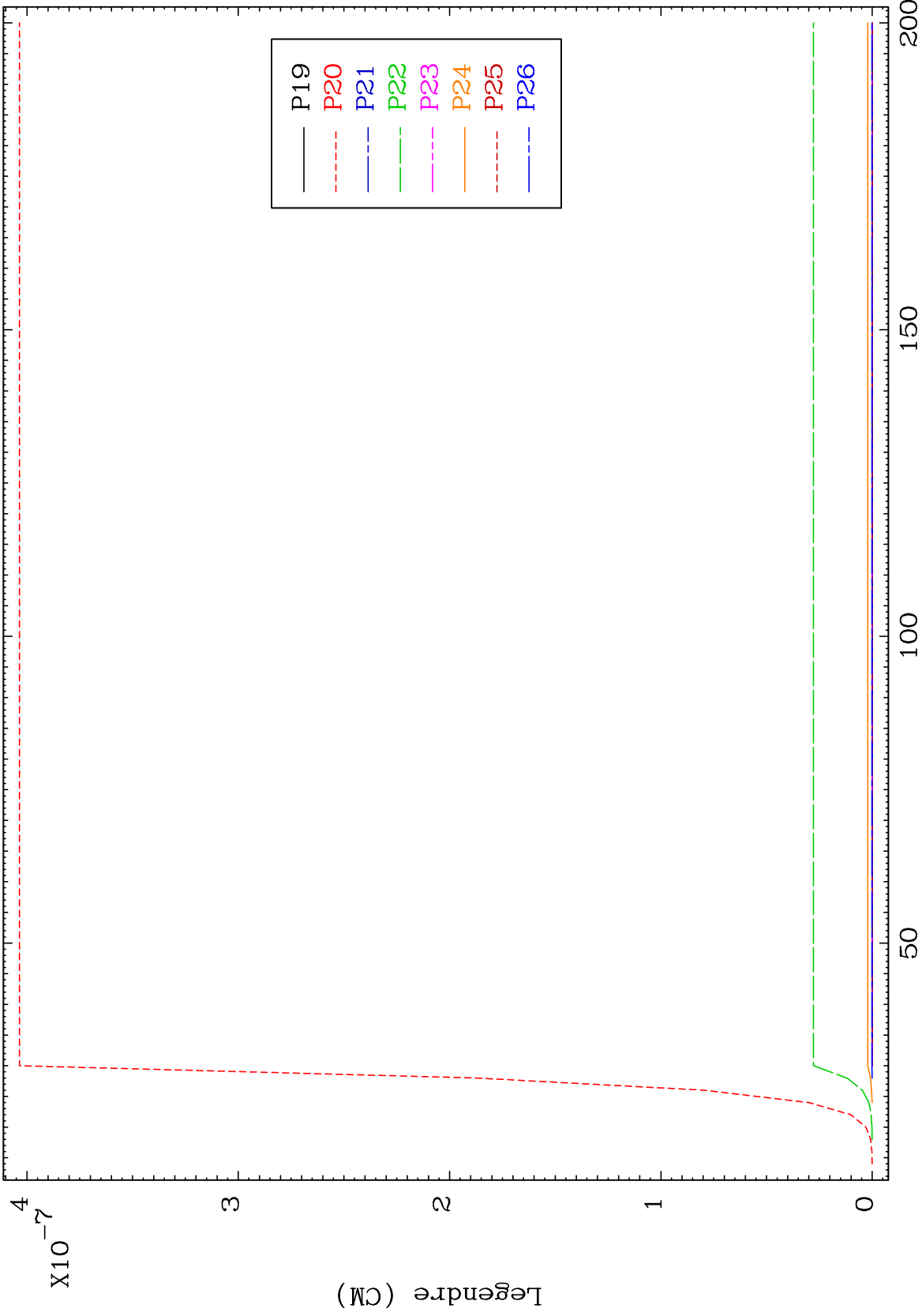
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MAT 5328

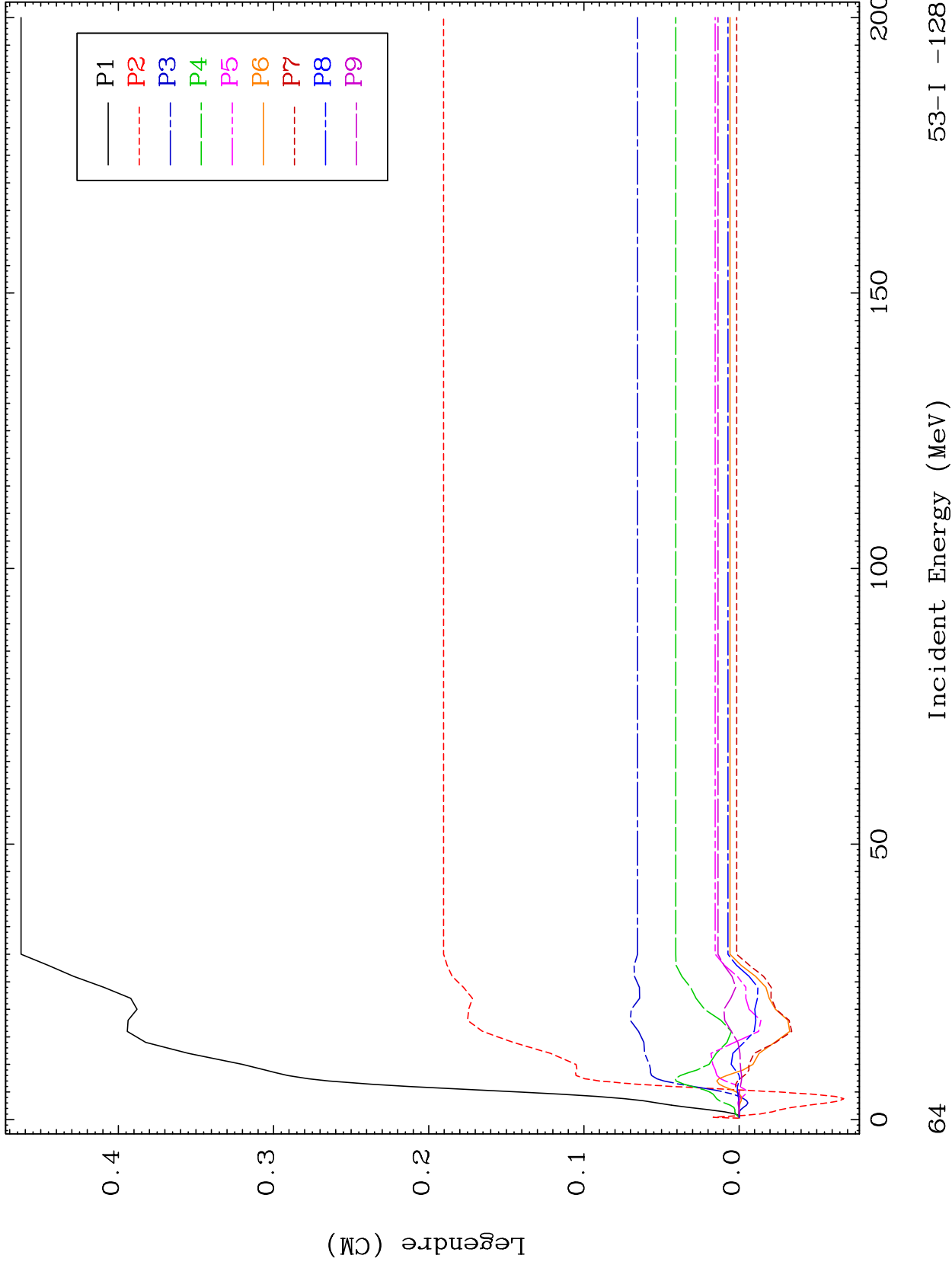
MT= 63 (n,n') Level  
Legendre Coefficients

53-I -128



63

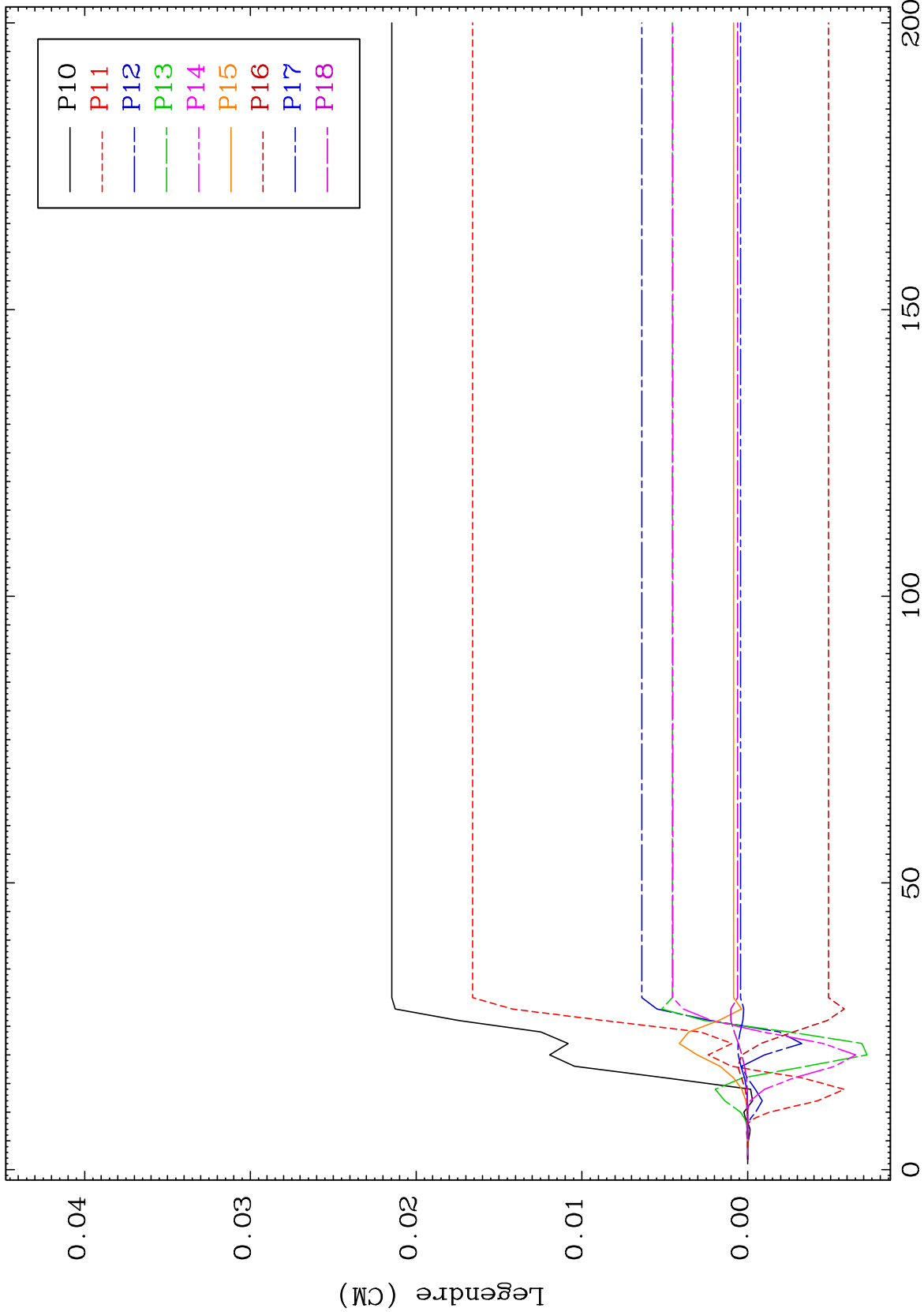
53-I -128



MAT 5328

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

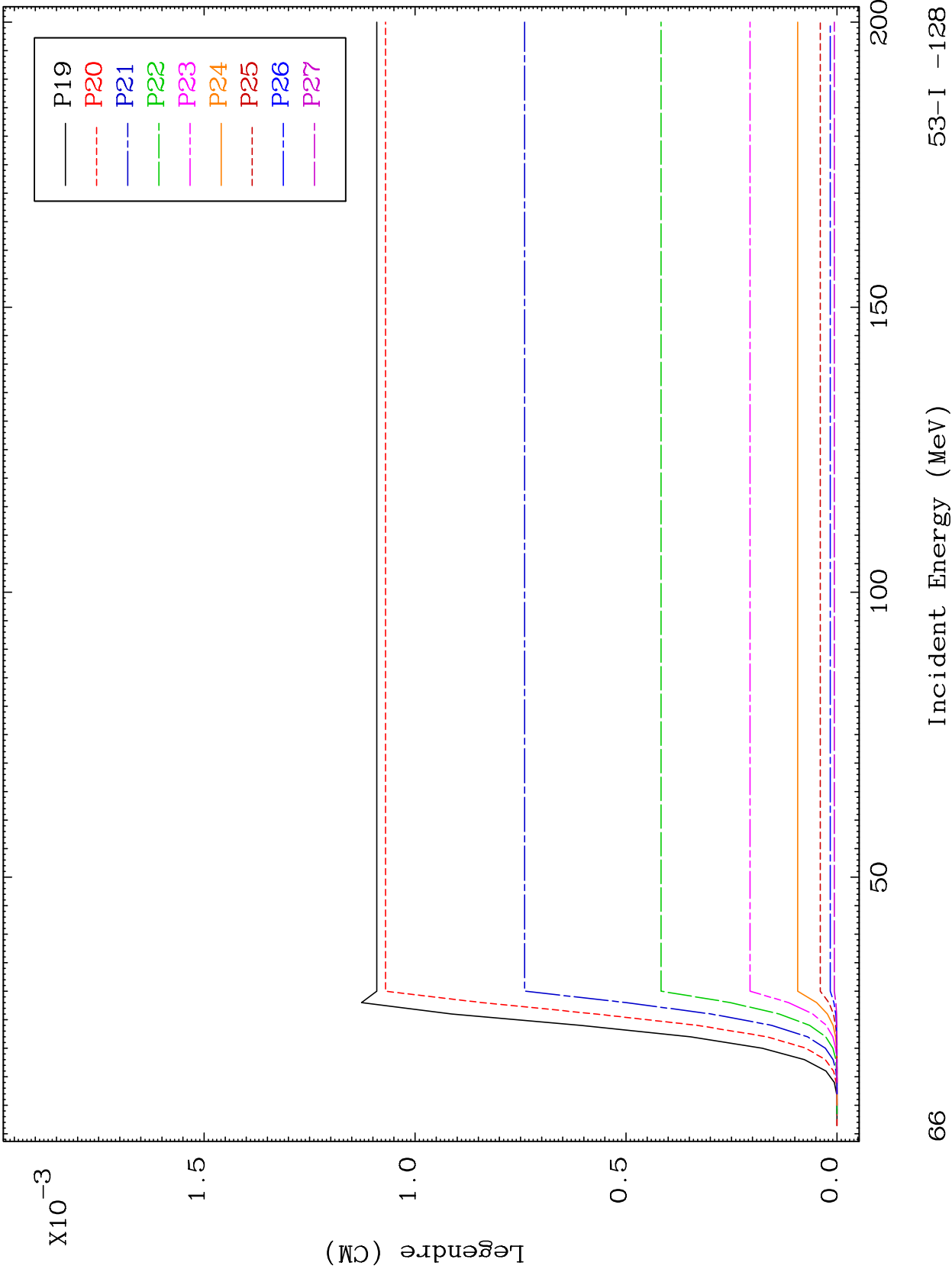
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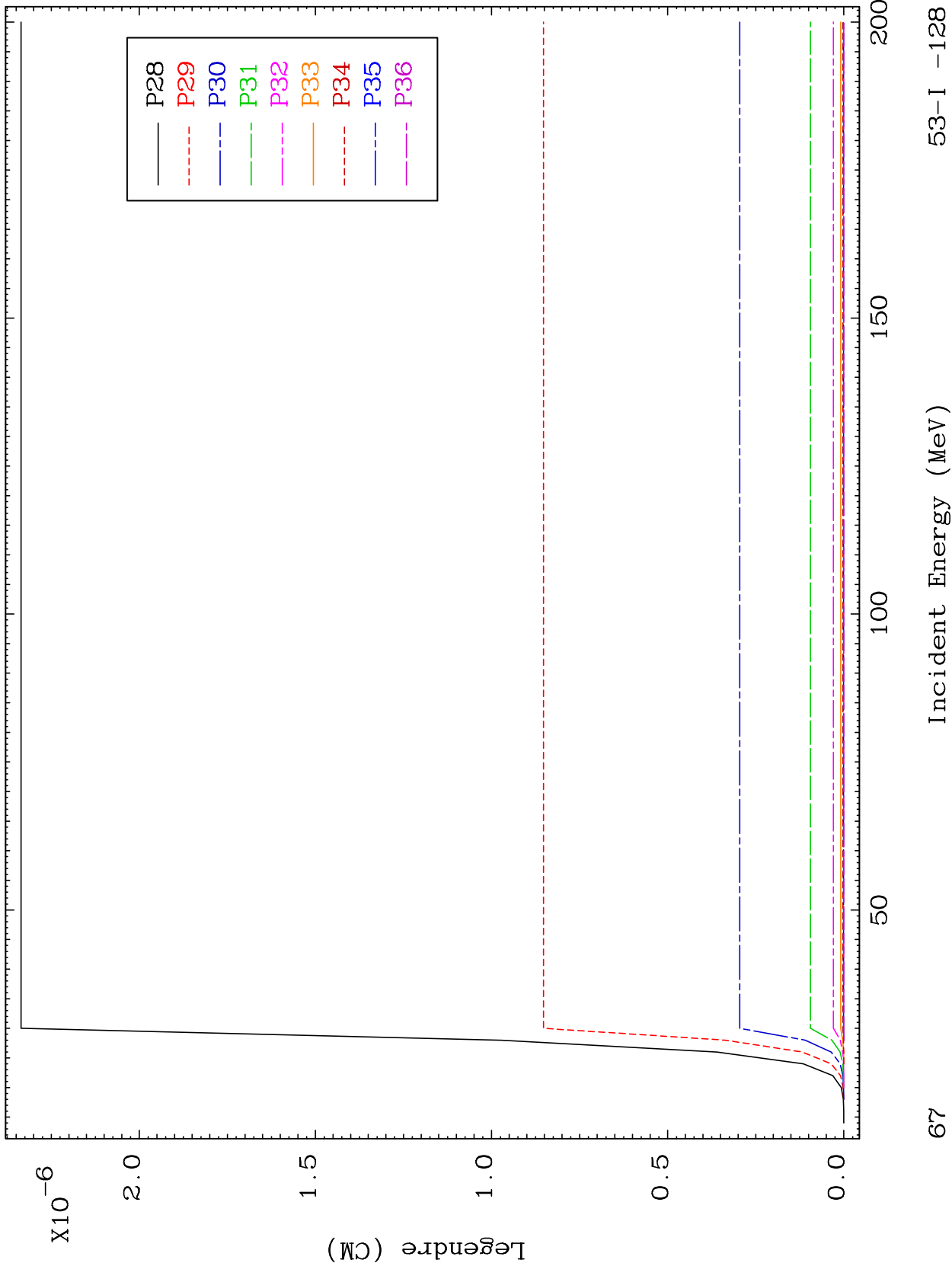


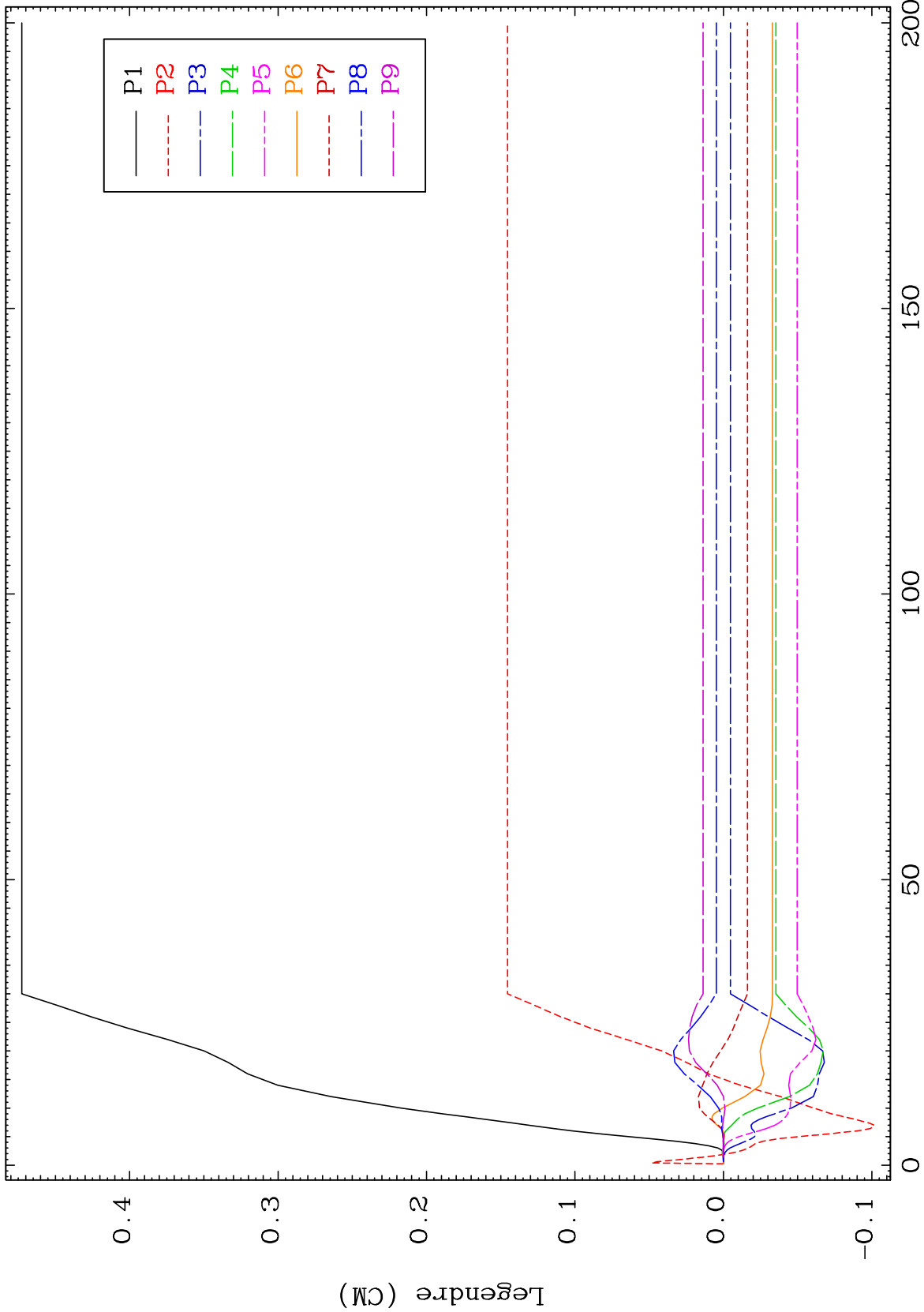
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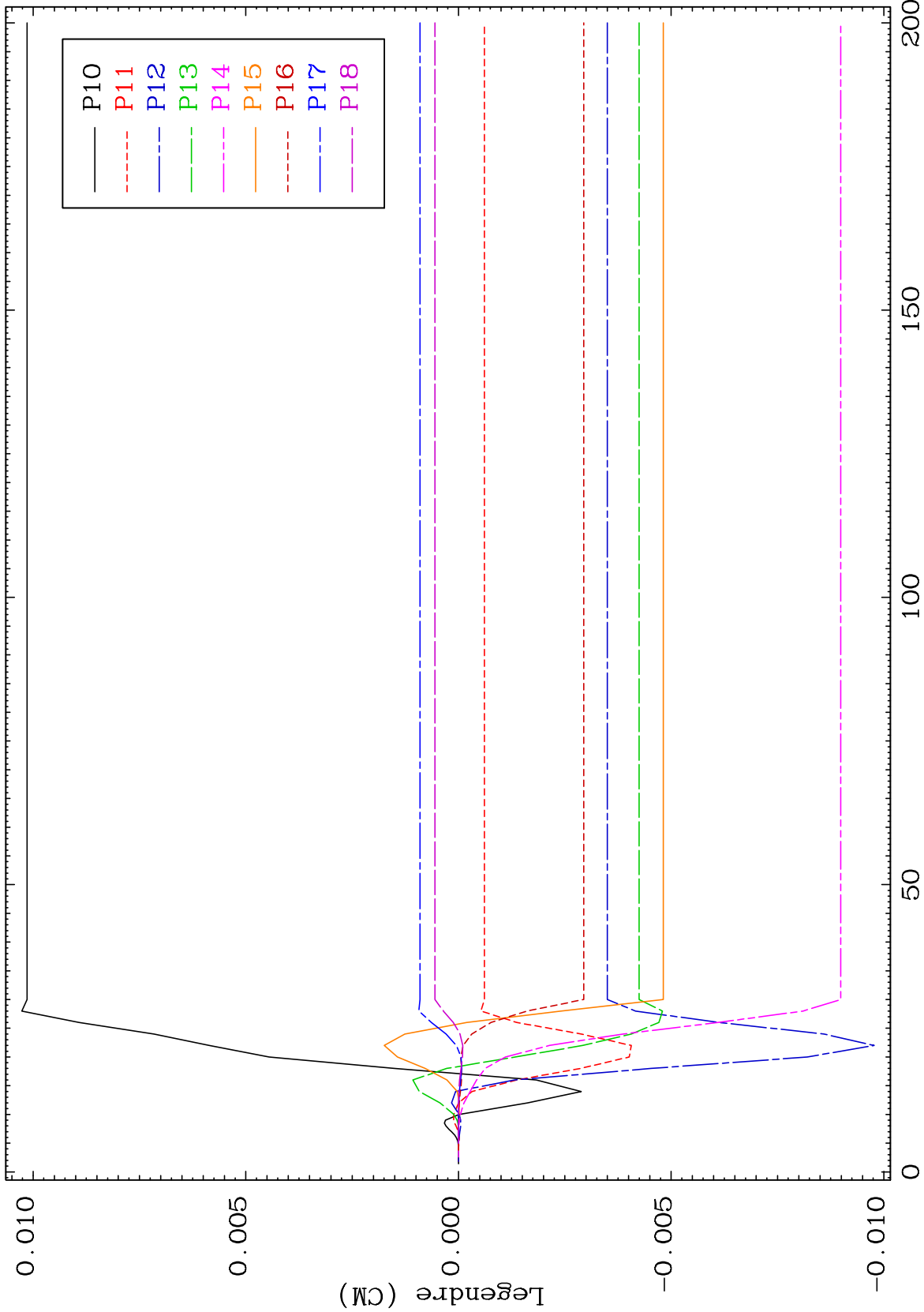
Incident Energy (MeV)

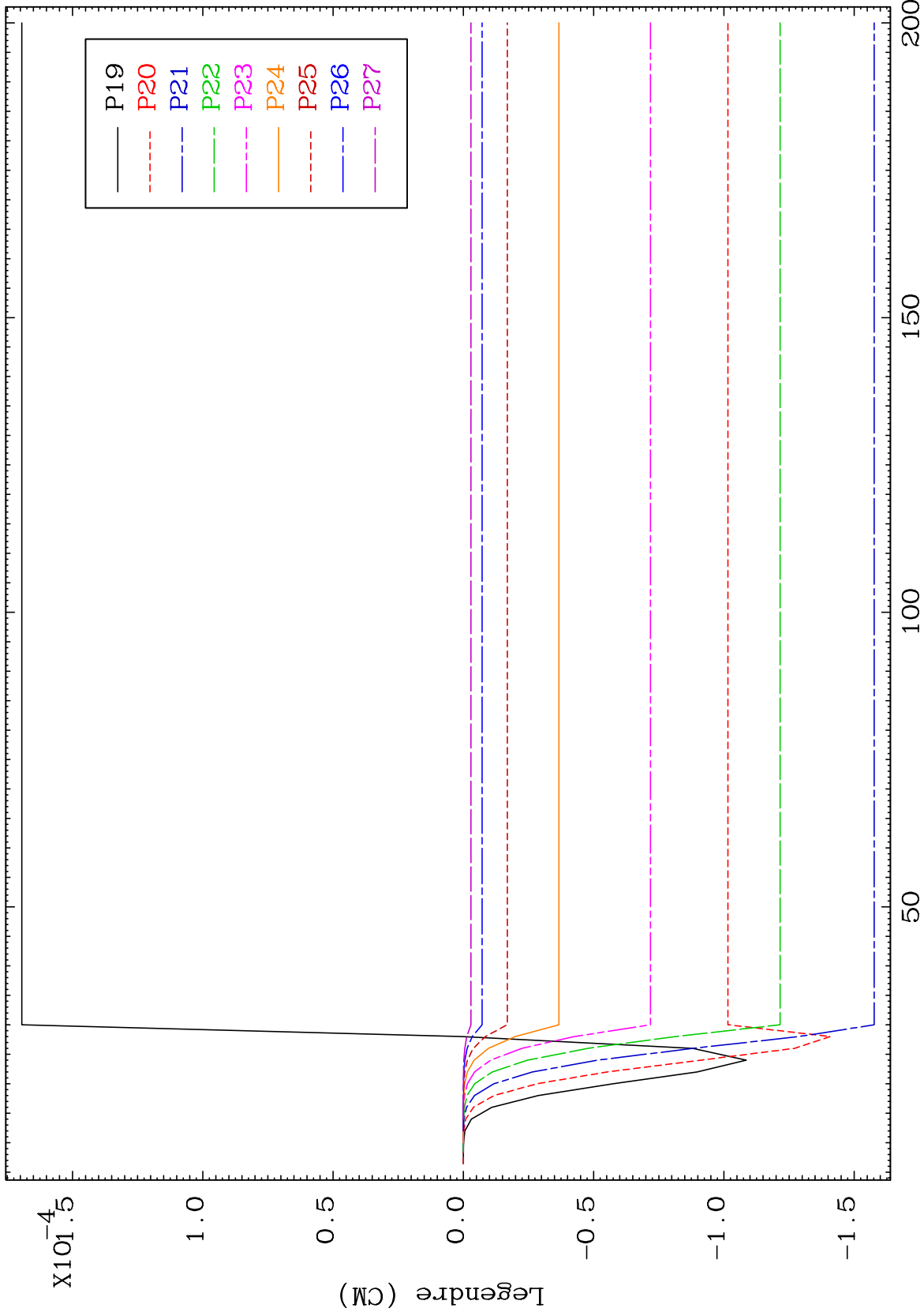
65







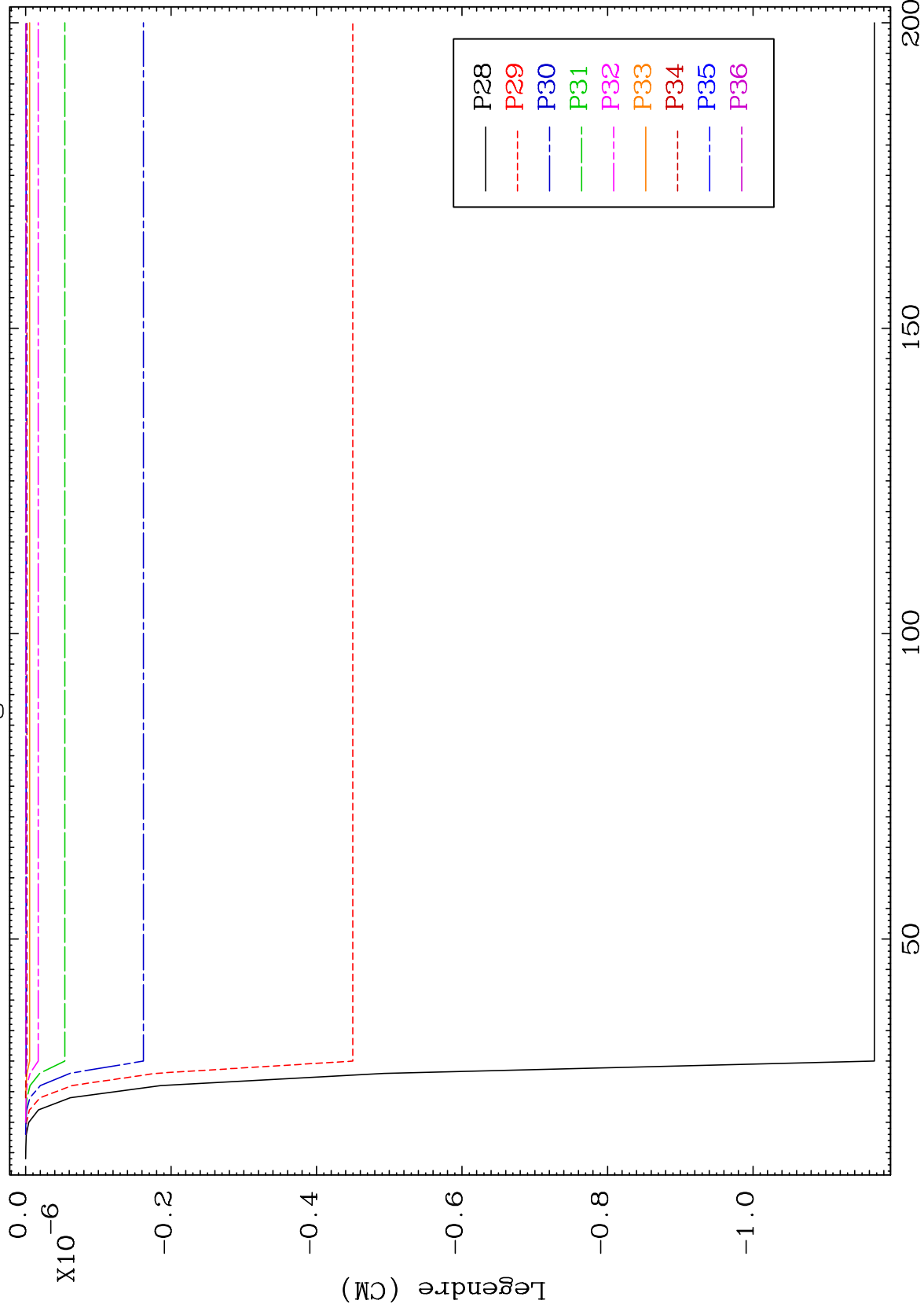




MAT 5328

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

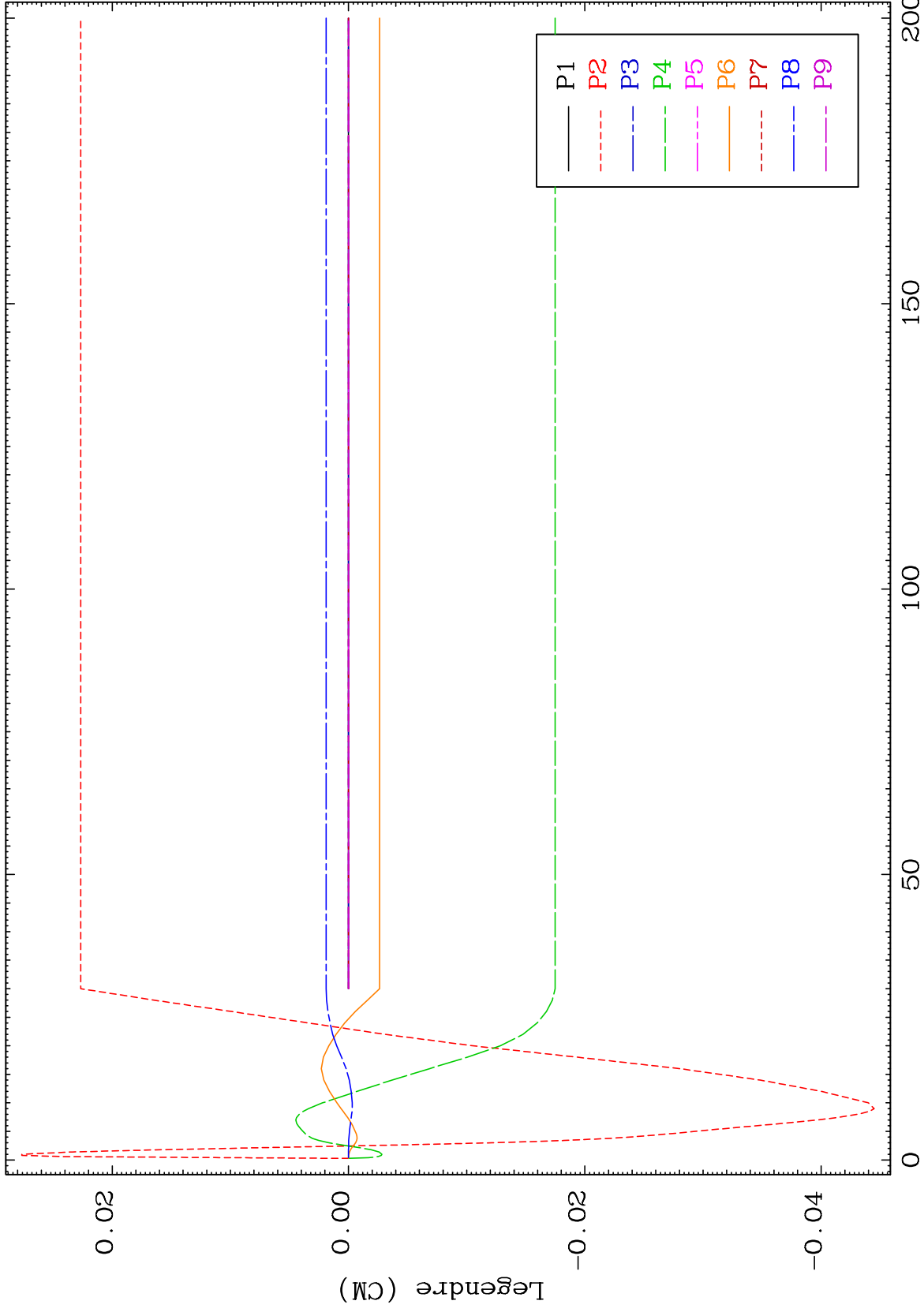
53-I -128

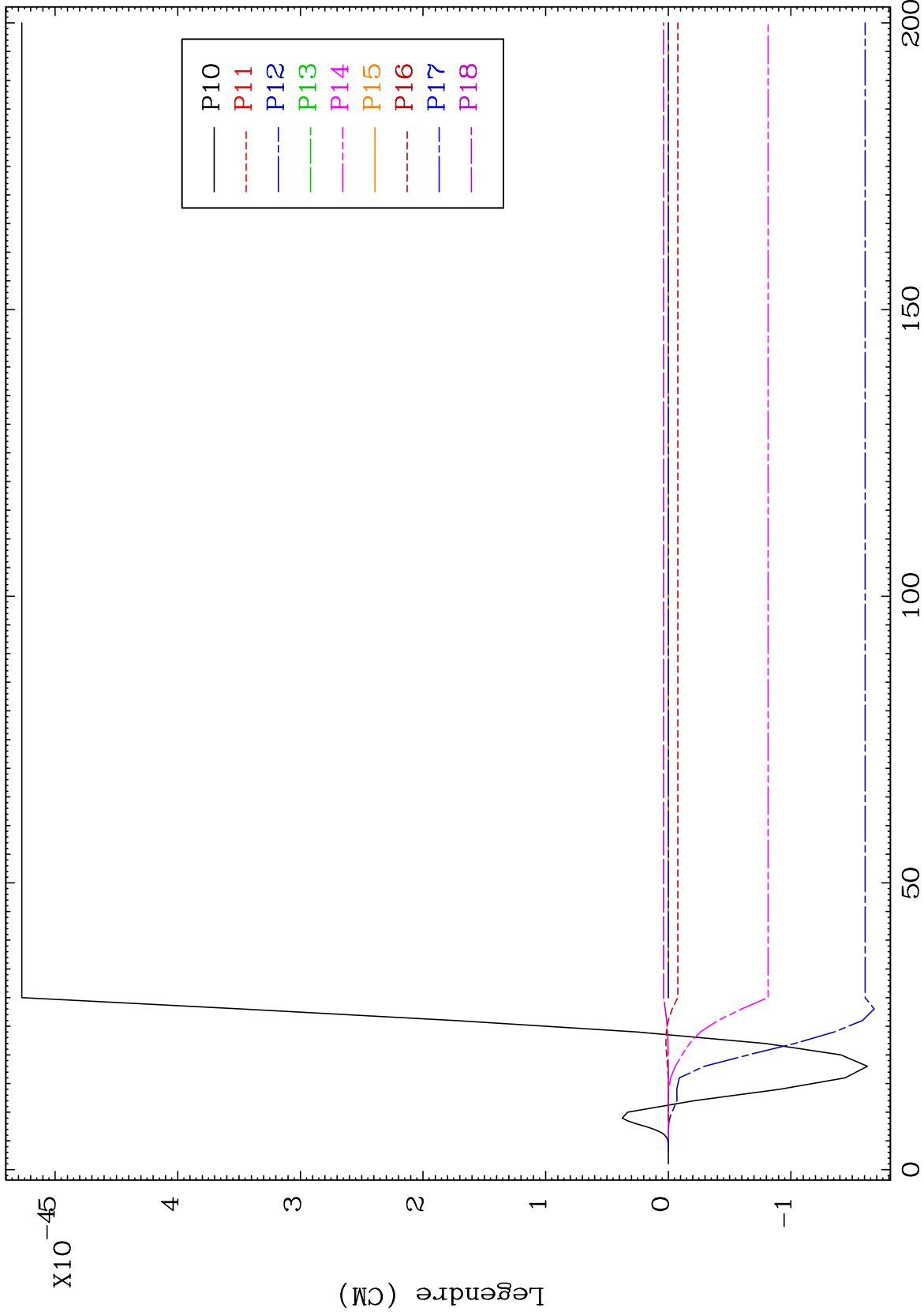


71

Incident Energy (MeV)

53-I -128

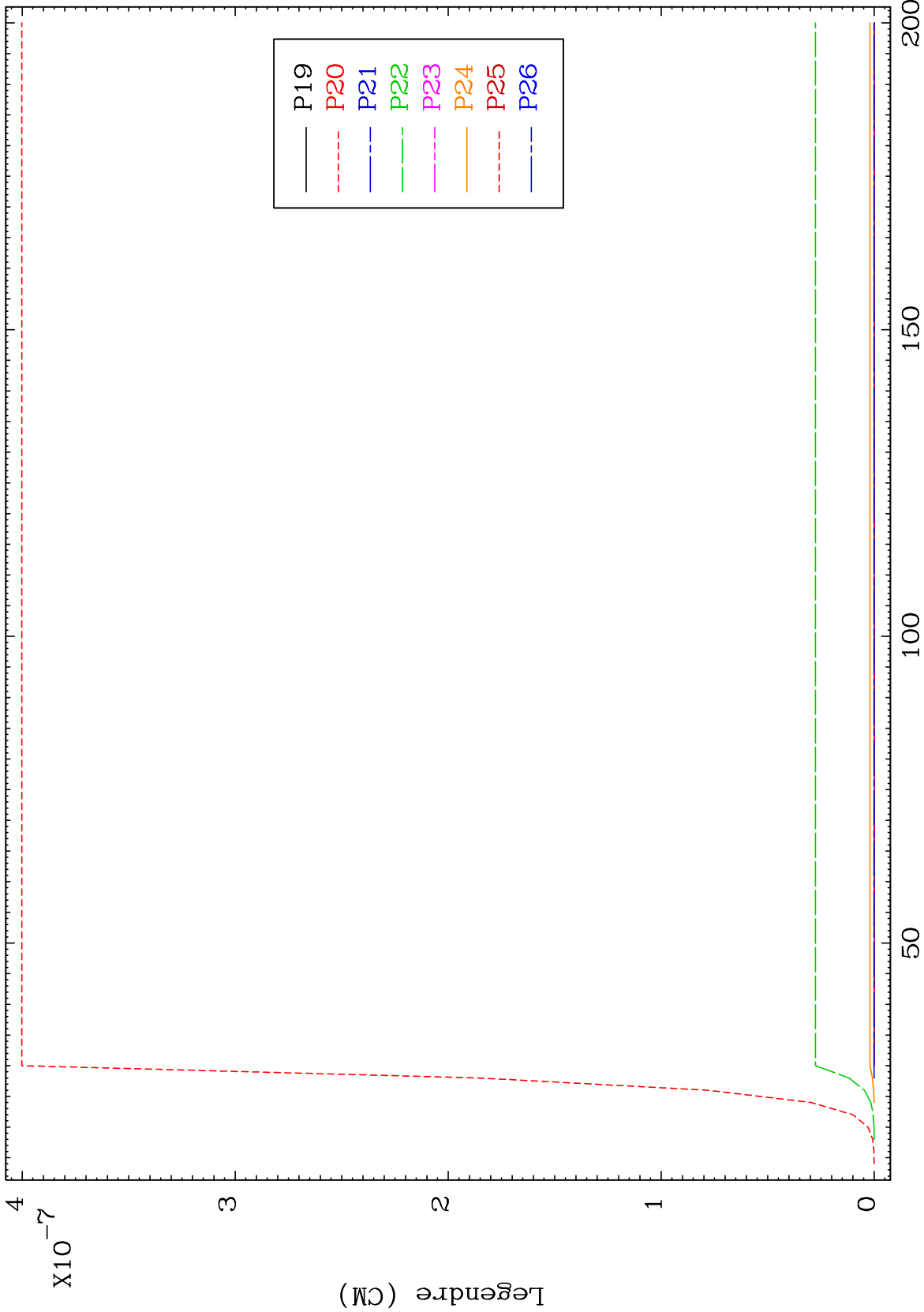




MAT 5328

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

53-I -128



74

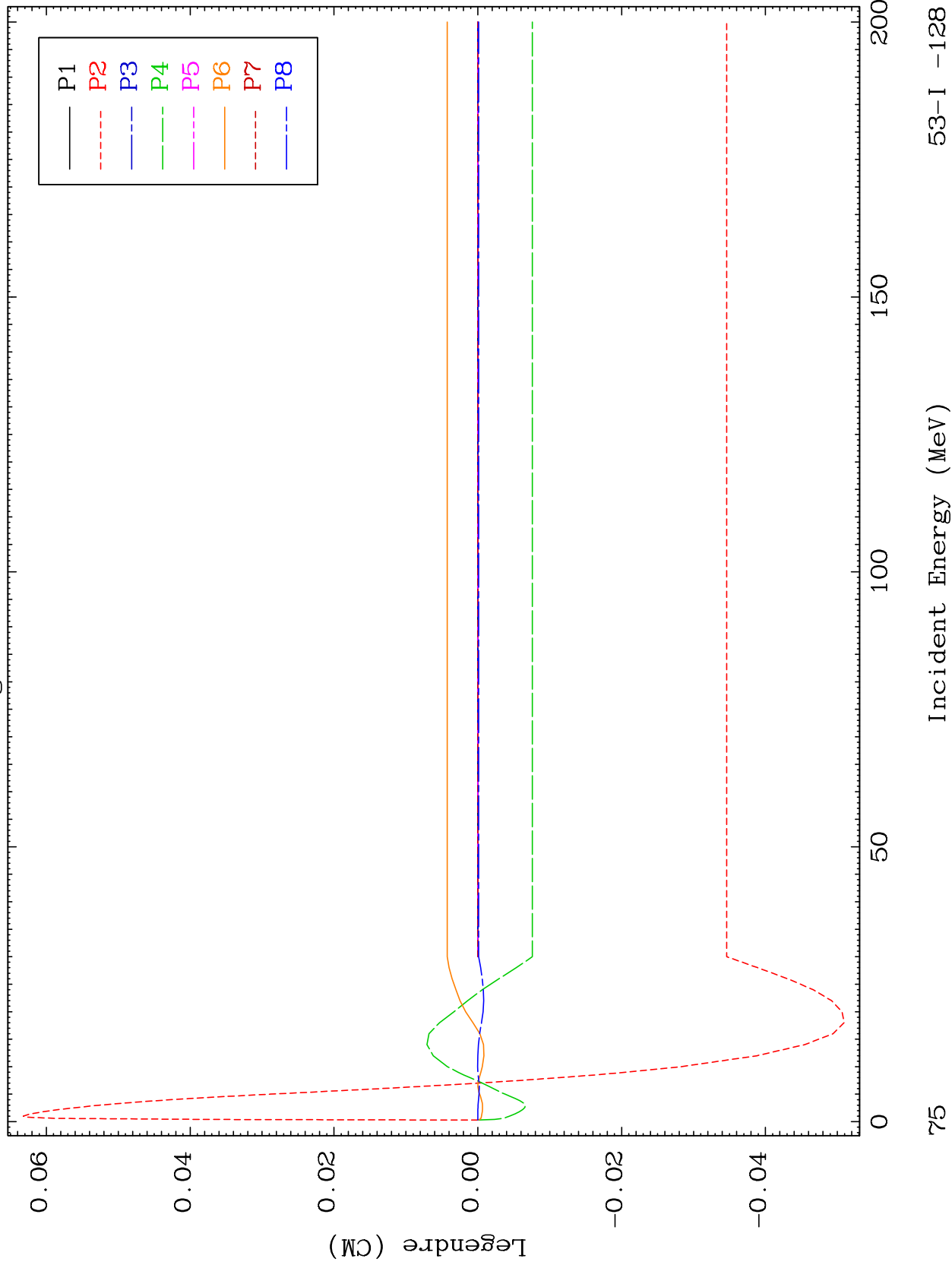
Incident Energy (MeV)

53-I -128

MAT 5328

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

53-I -128



53-I -128

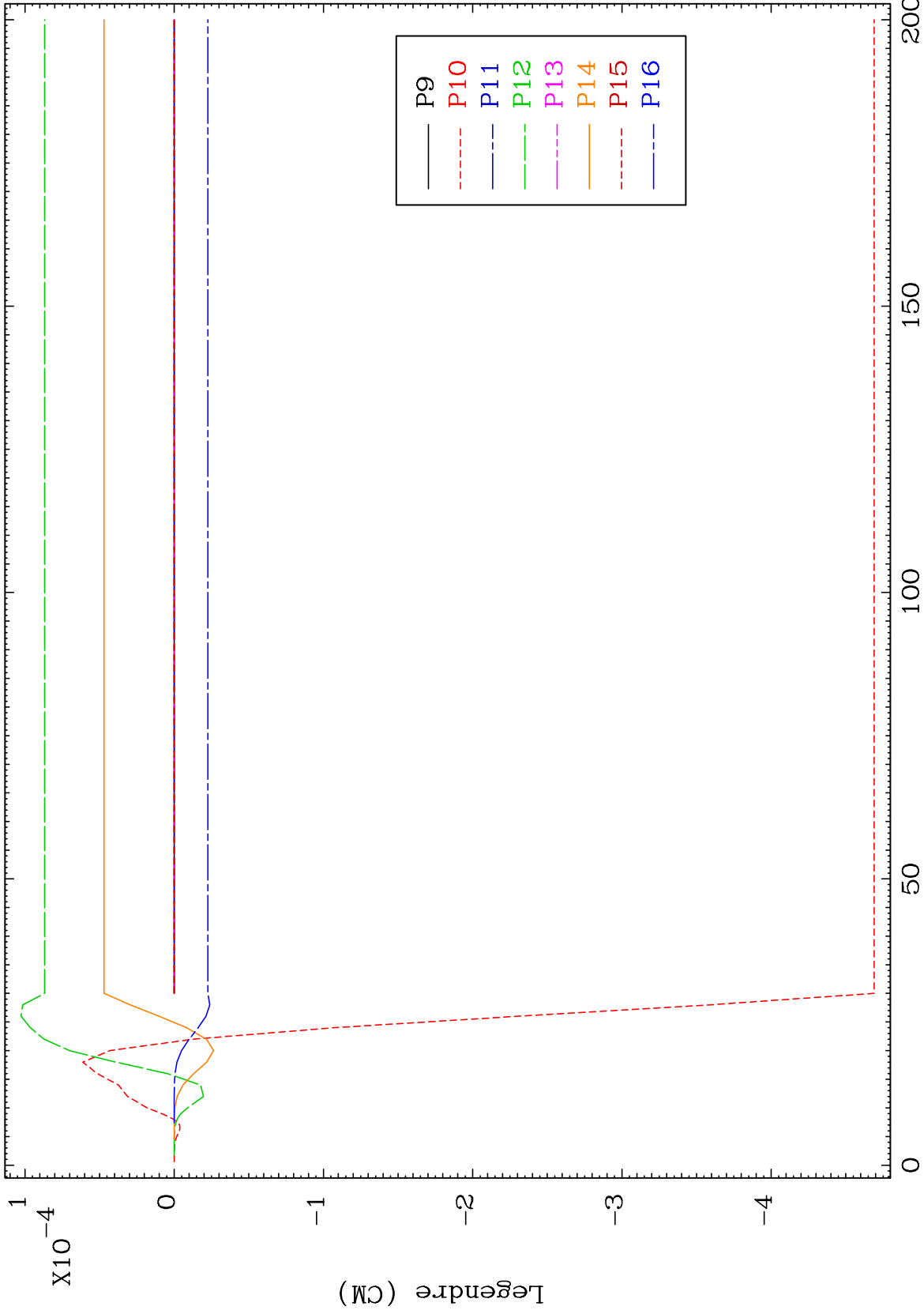
Incident Energy (MeV)

75

MAT 5328

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

53-I -128



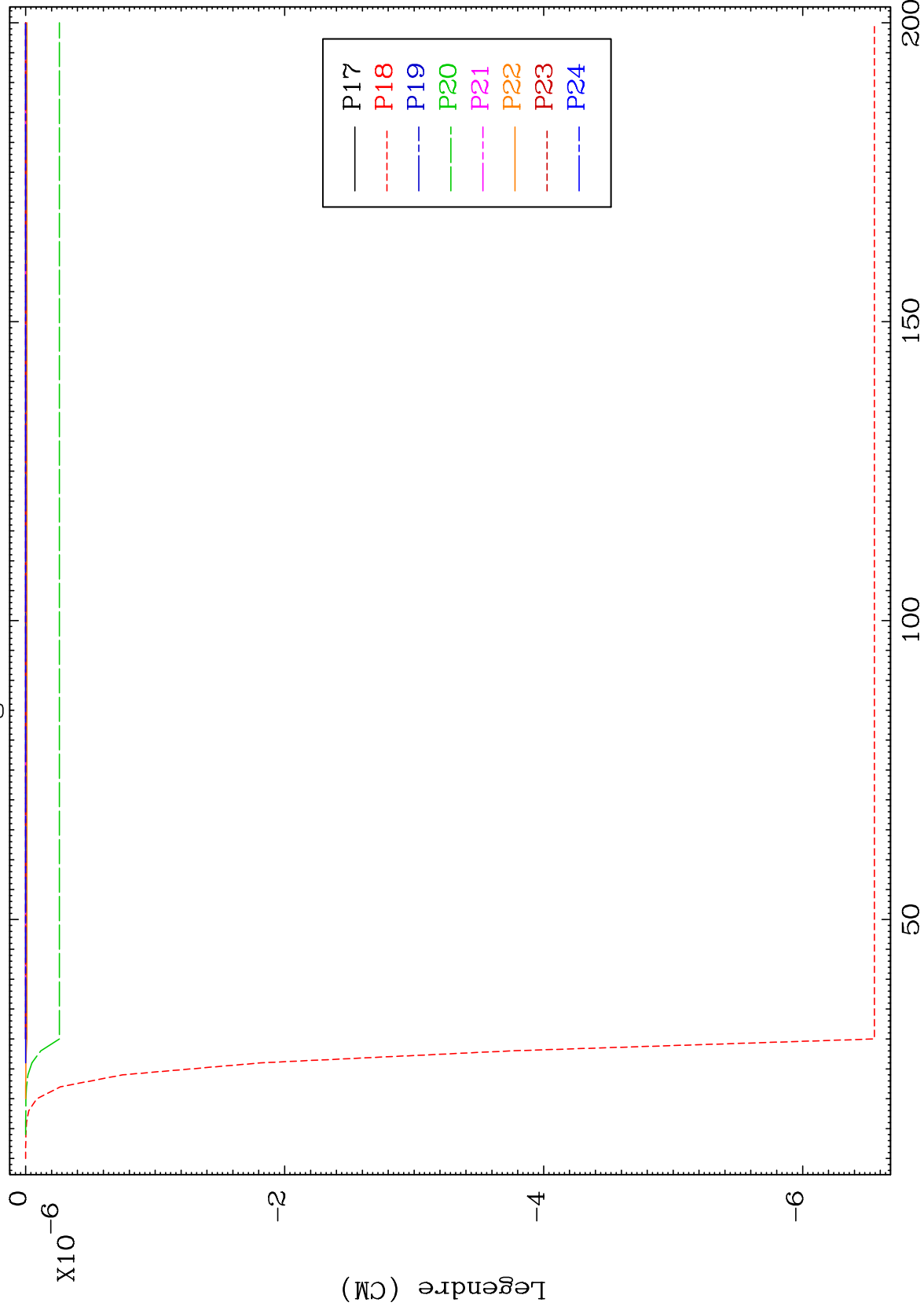
76

Incident Energy (MeV)

53-I -128

MAT 5328 MT= 67 (n,n') Level 53-I -128

Legendre Coefficients

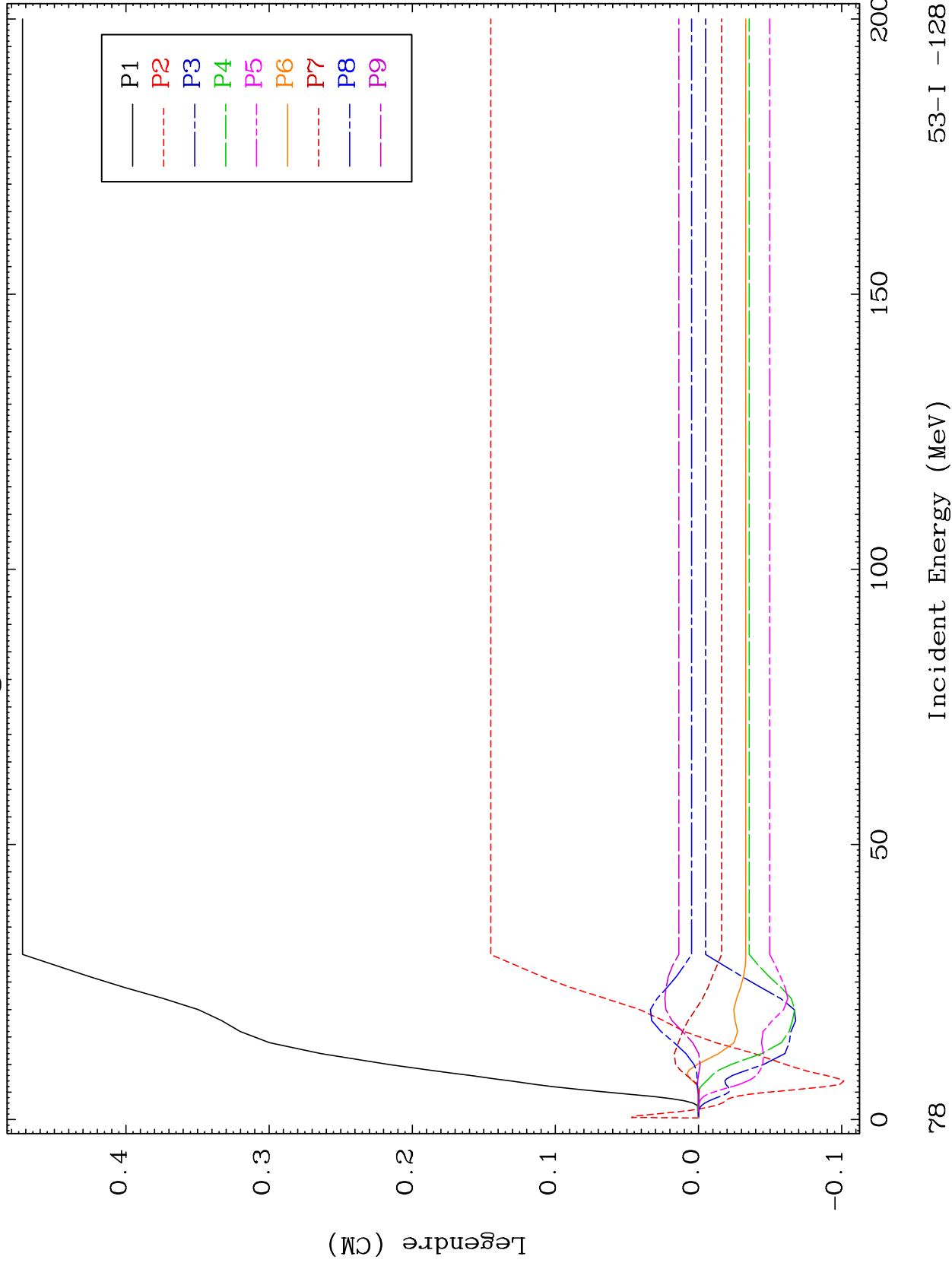


77 53-I -128

MAT 5328

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

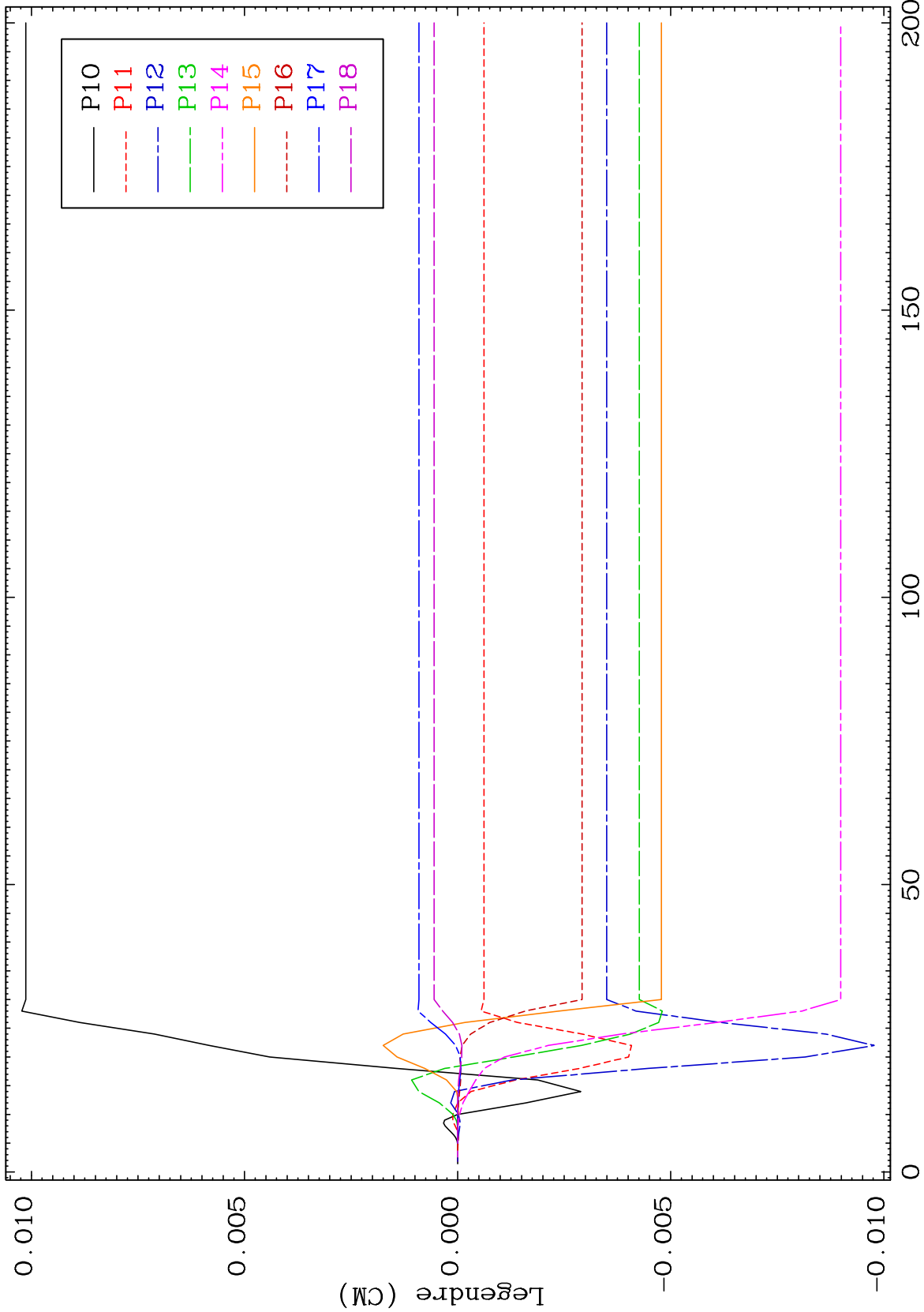
53-I -128



53-I -128

Incident Energy (MeV)

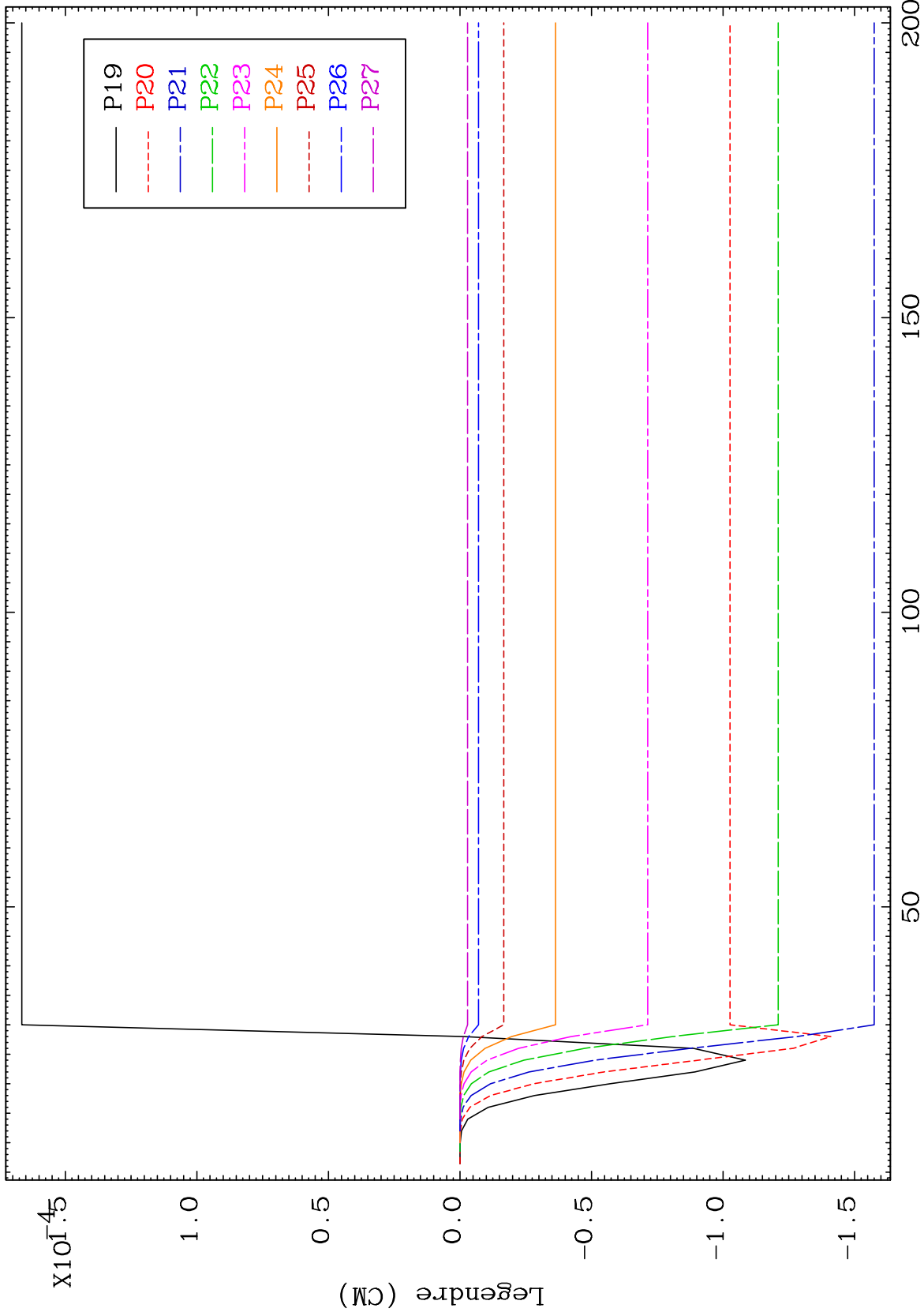
78



MAT 5328

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

53-I -128



80

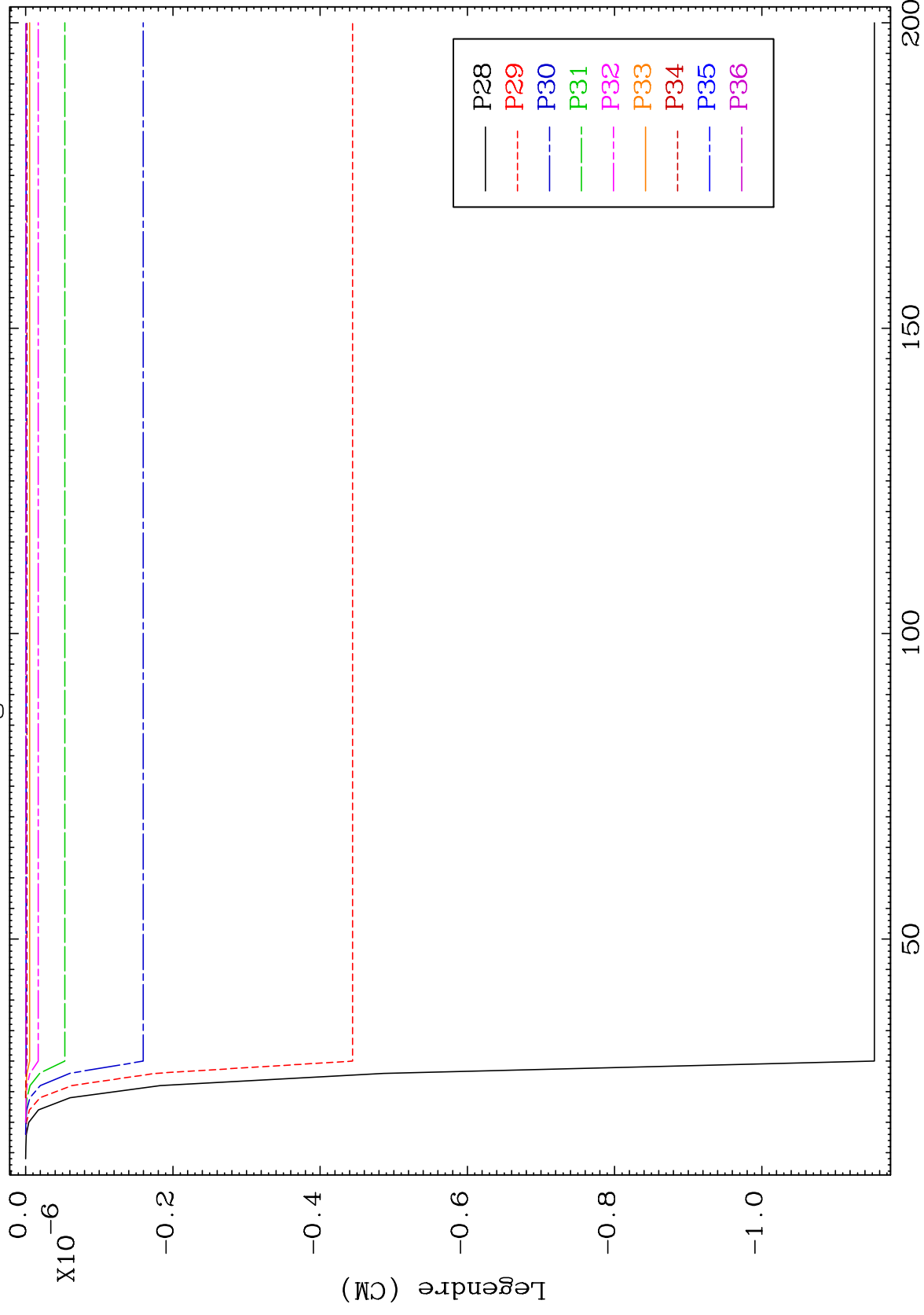
Incident Energy (MeV)

53-I -128

MAT 5328

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

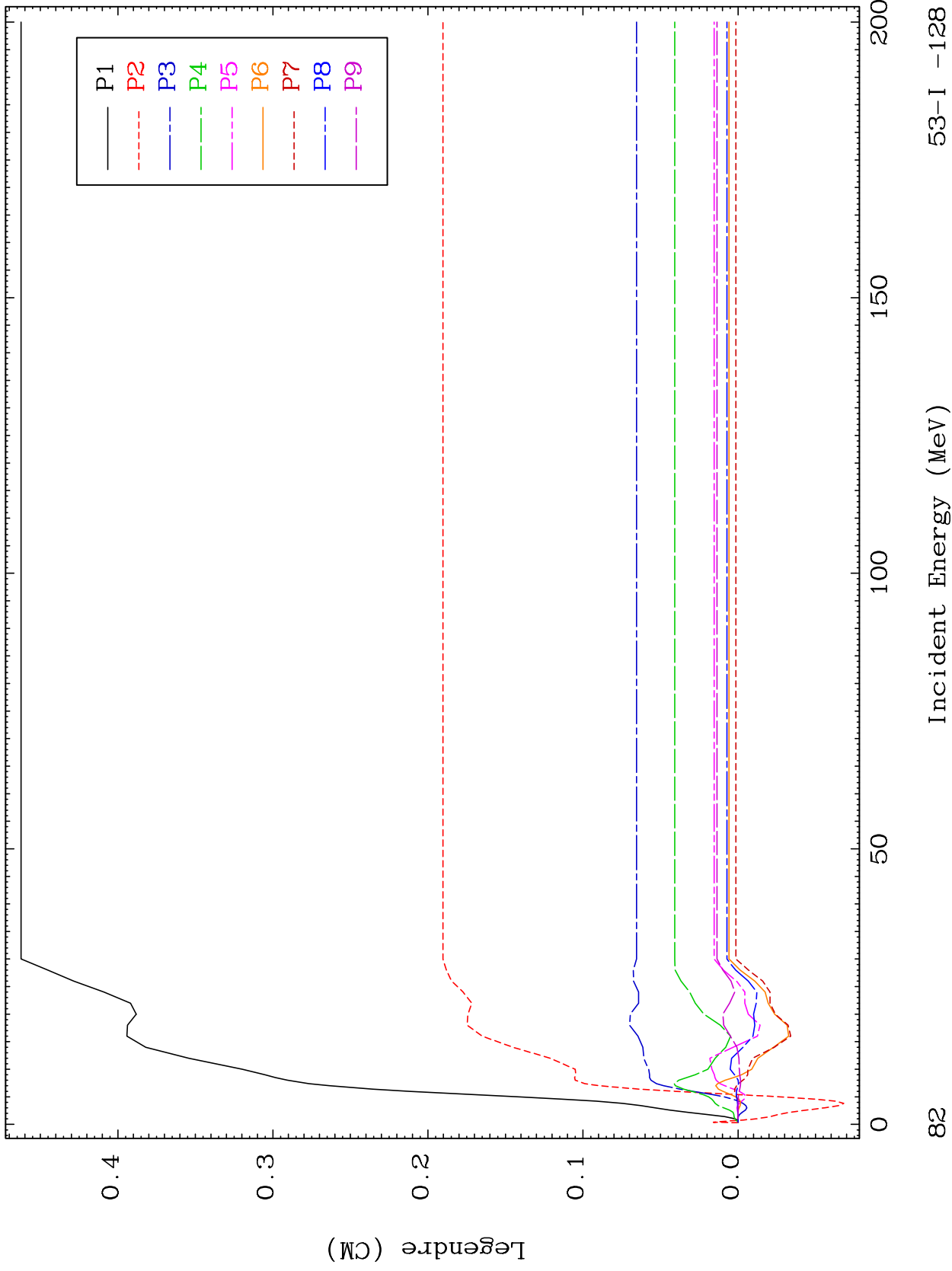
53-I -128

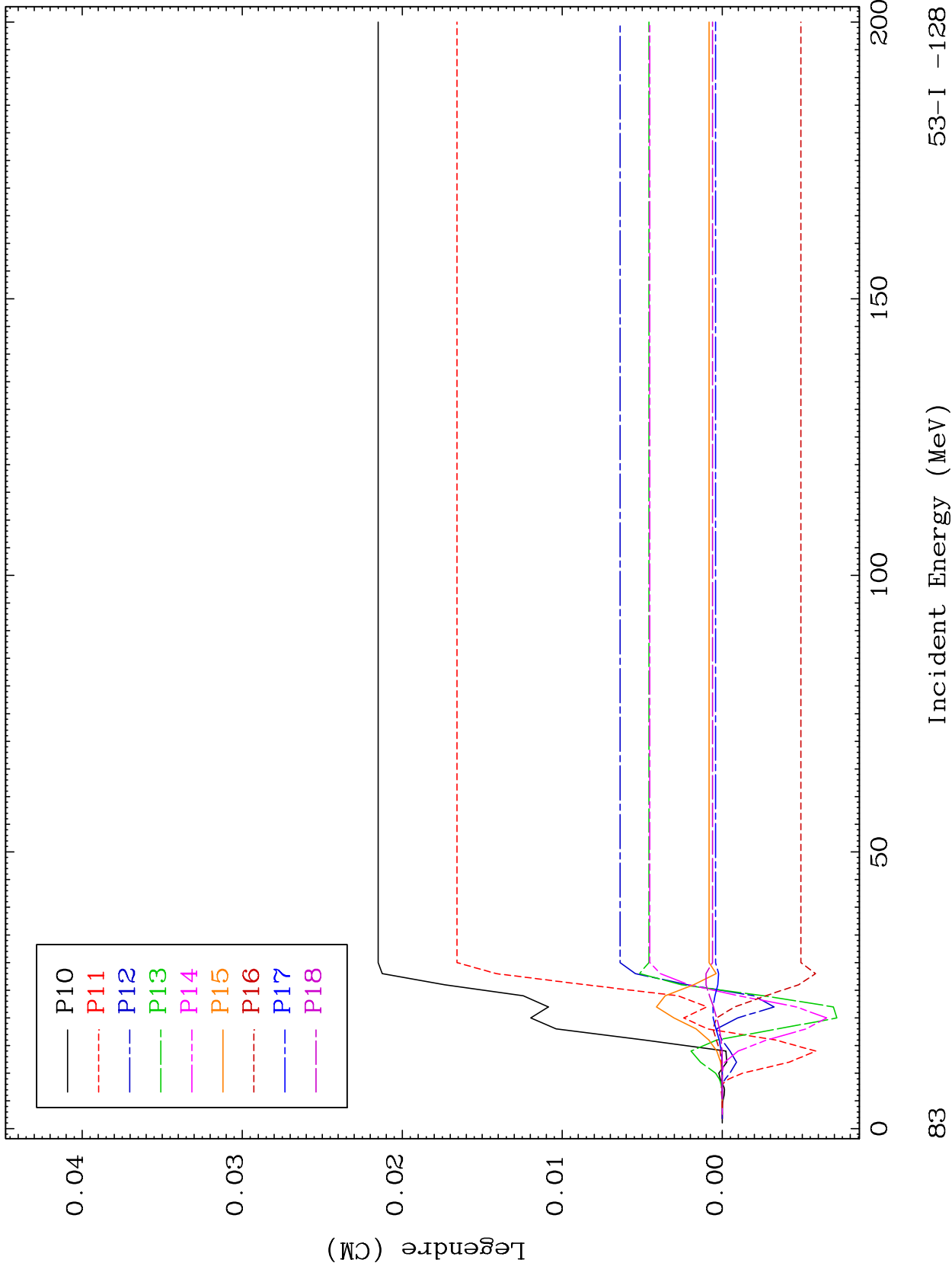


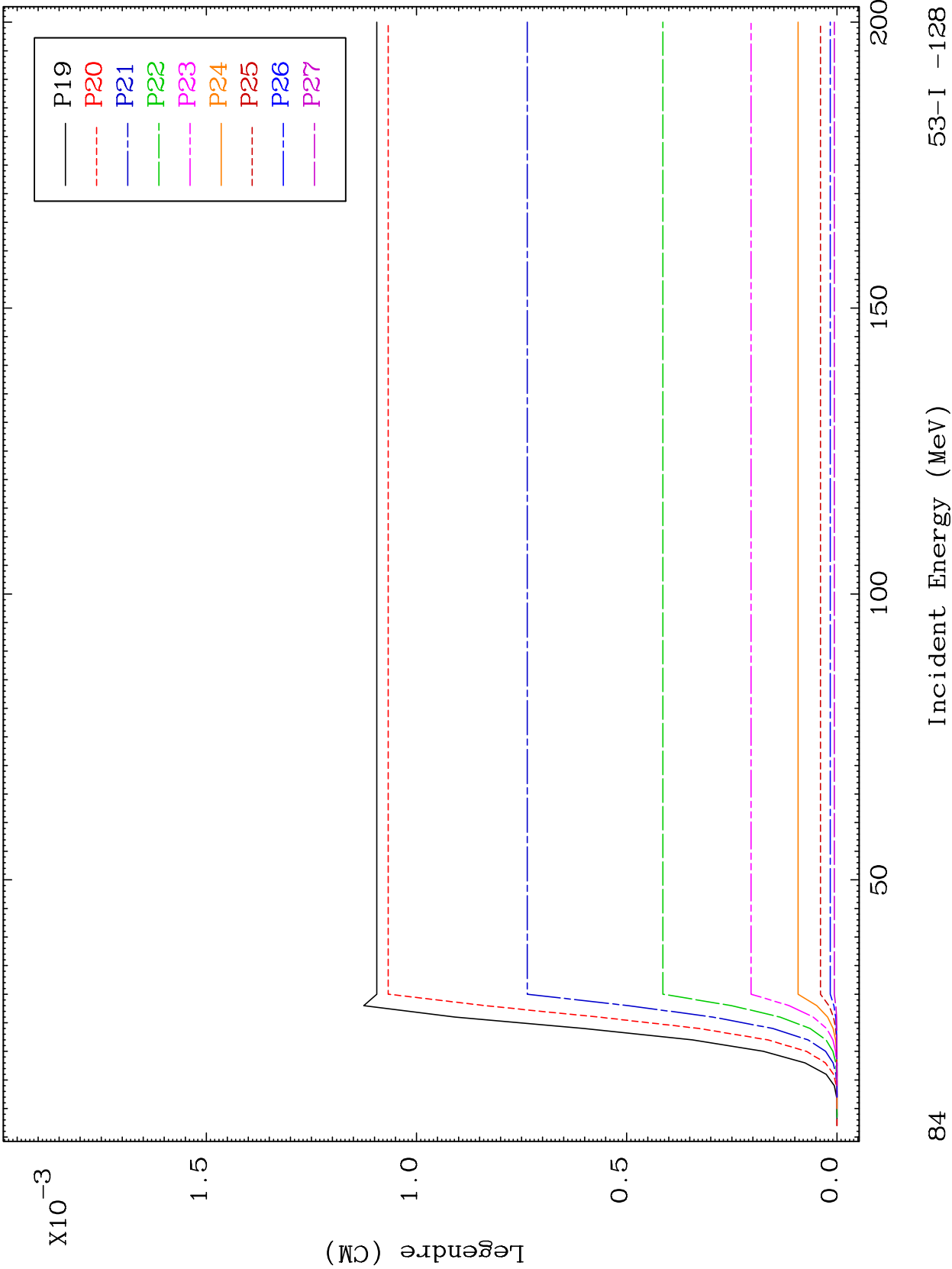
81

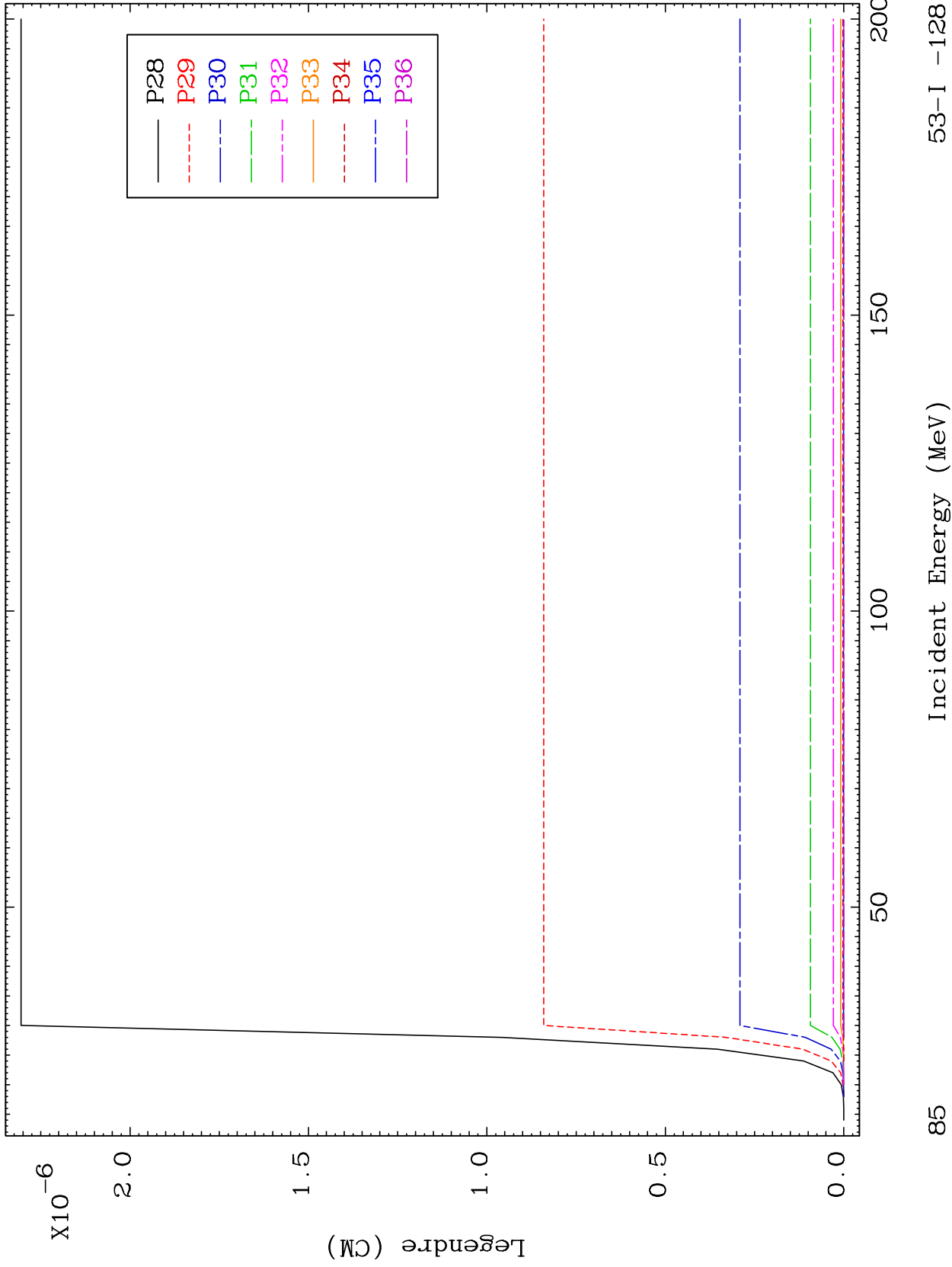
Incident Energy (MeV)

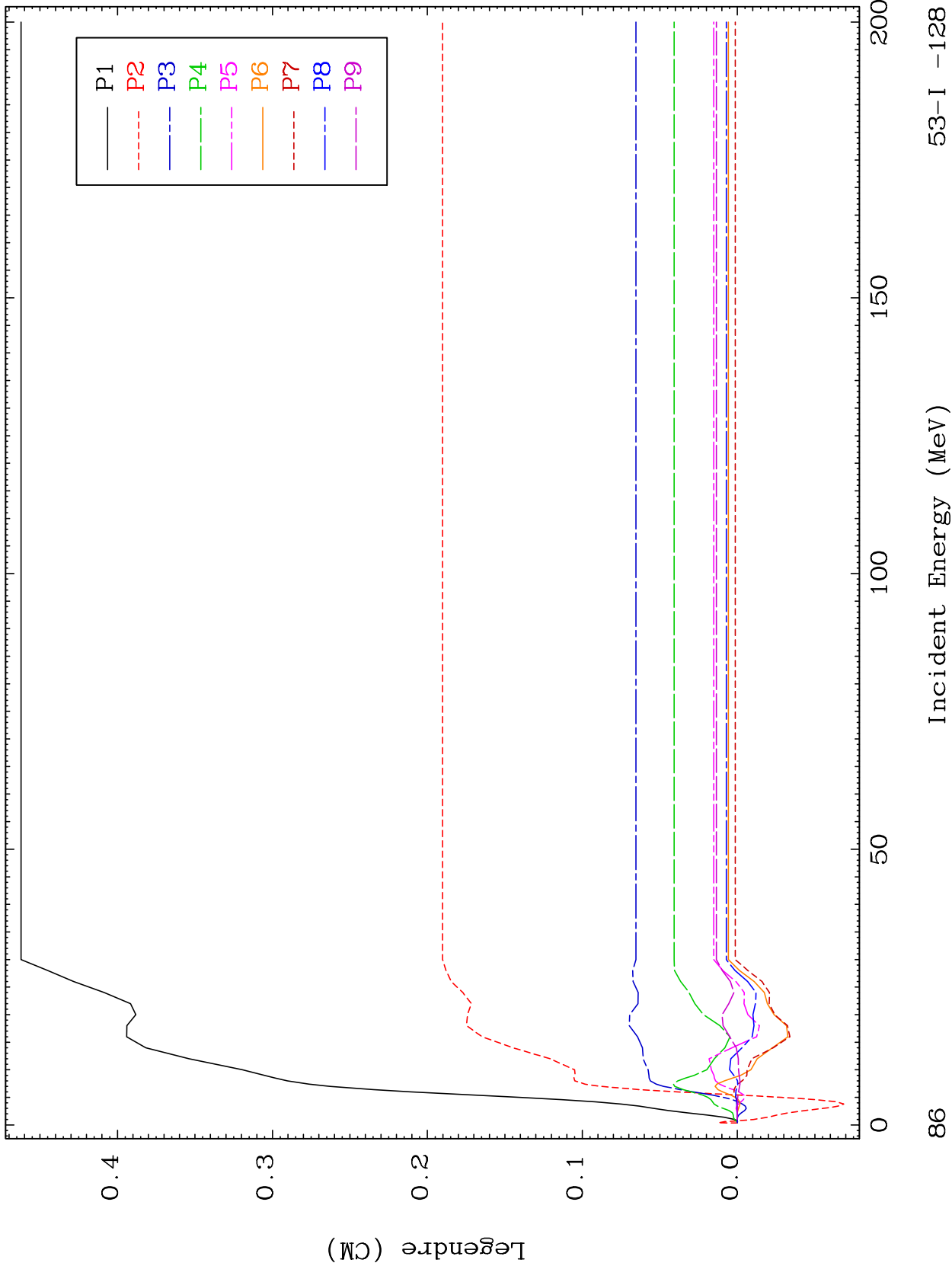
53-I -128

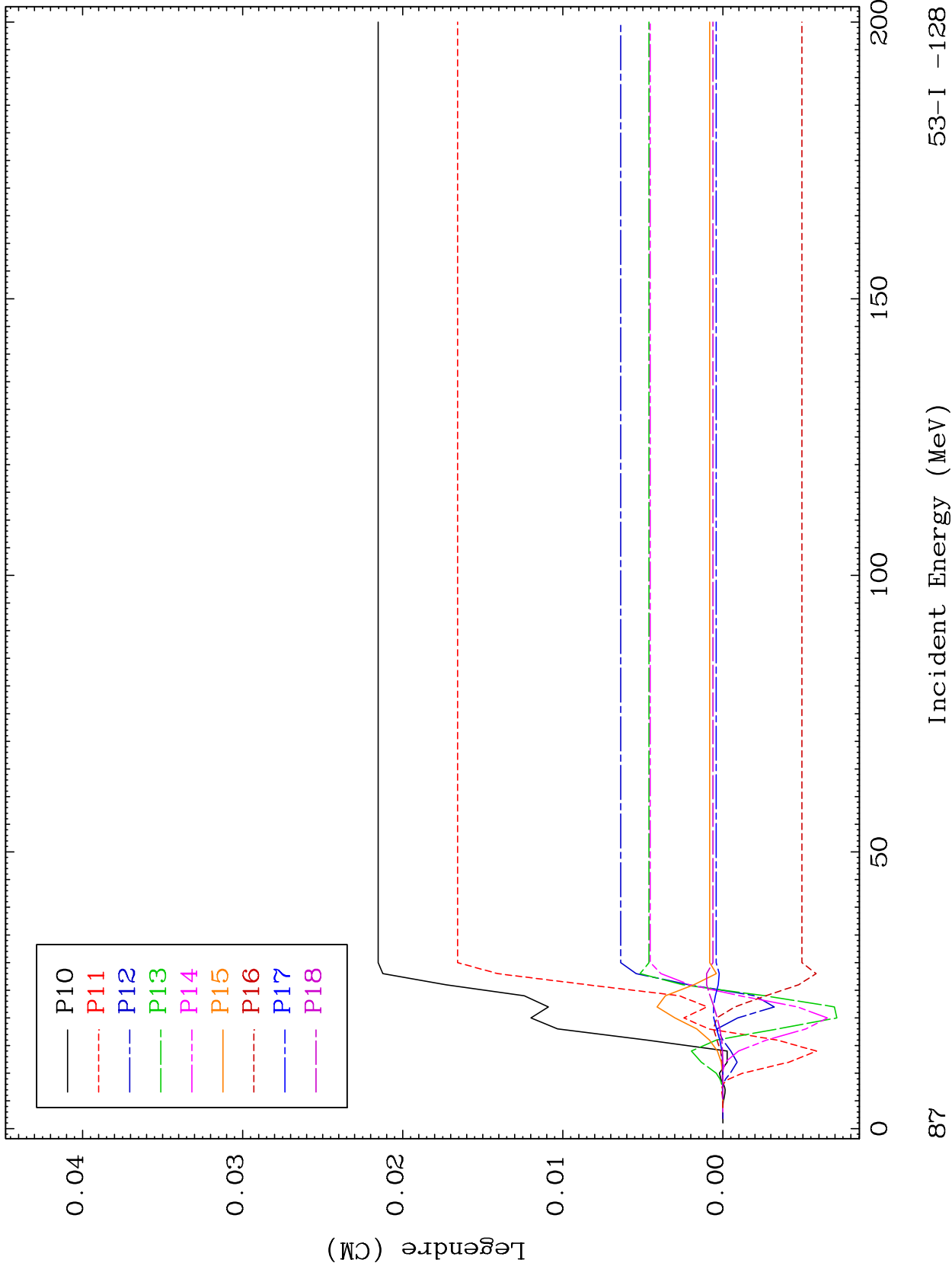


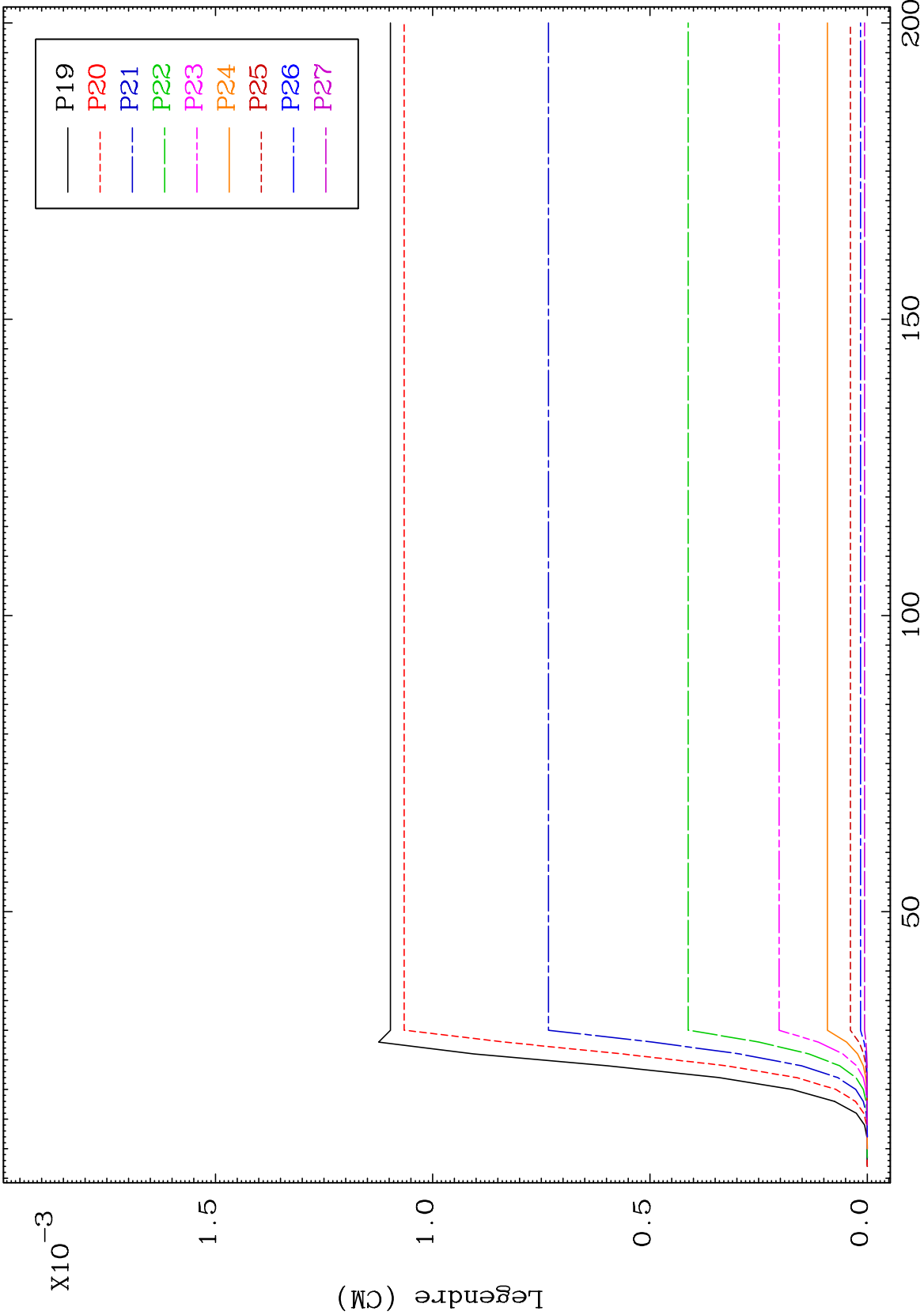


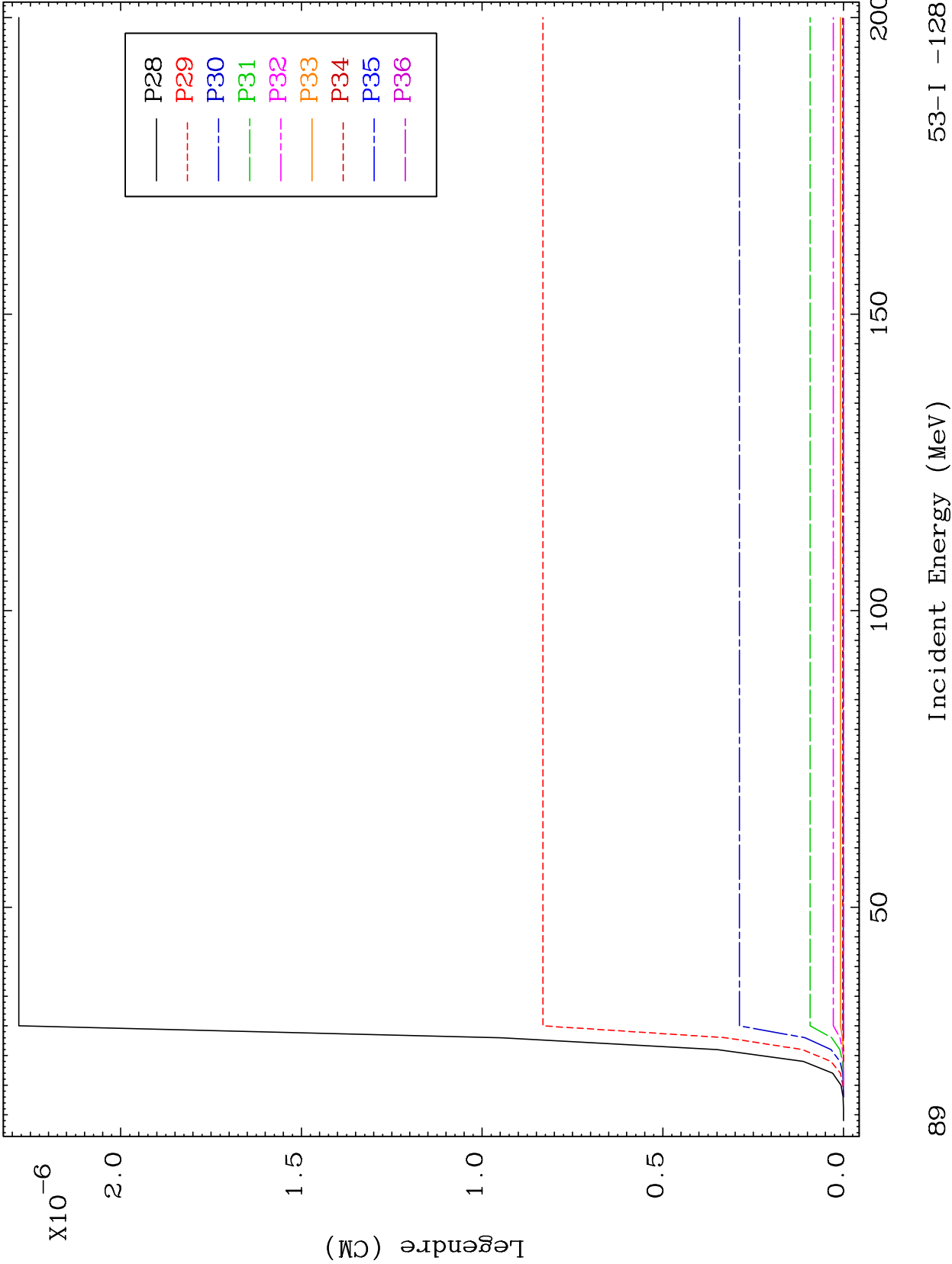








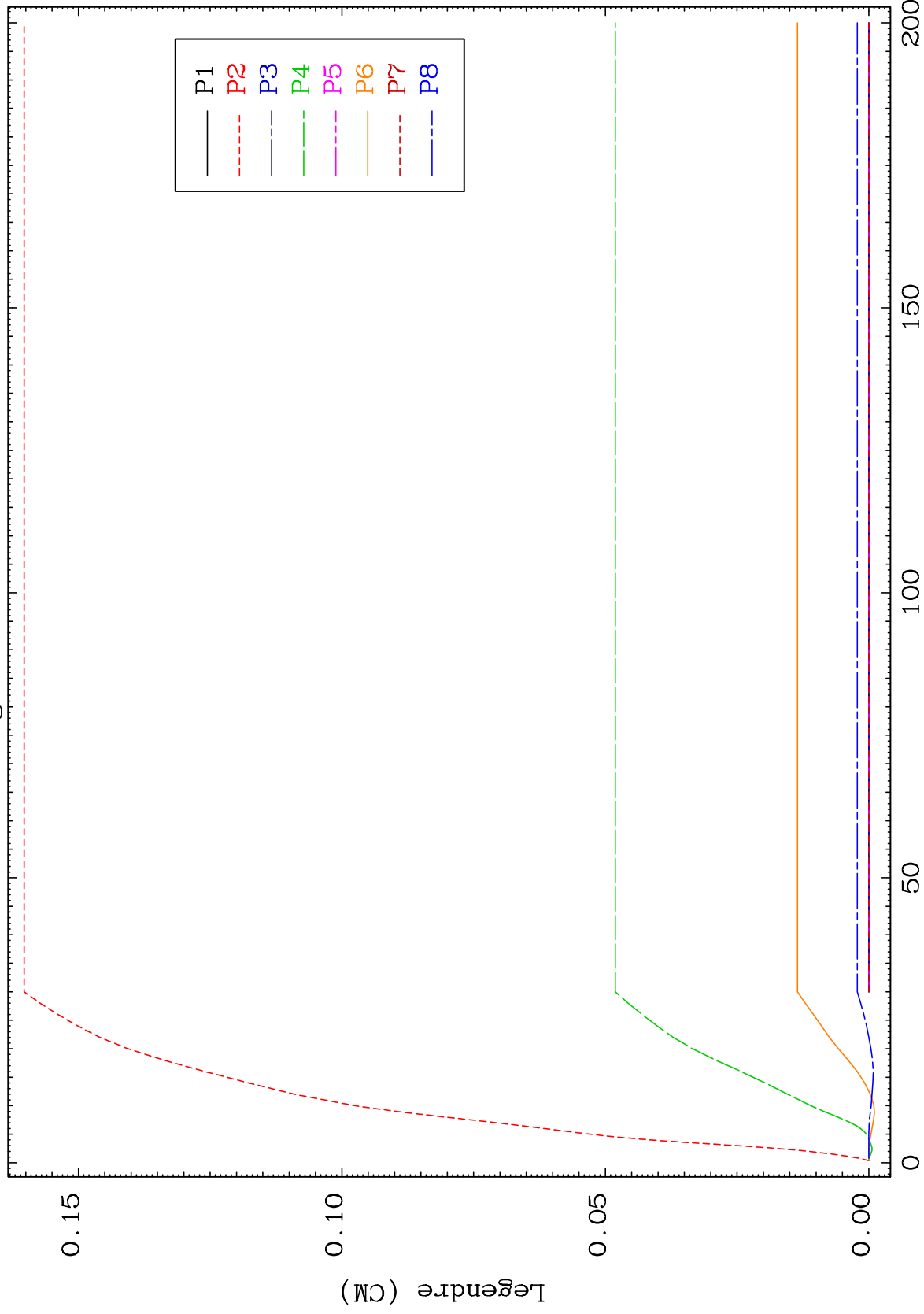




MAT 5328

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

53-I -128



90

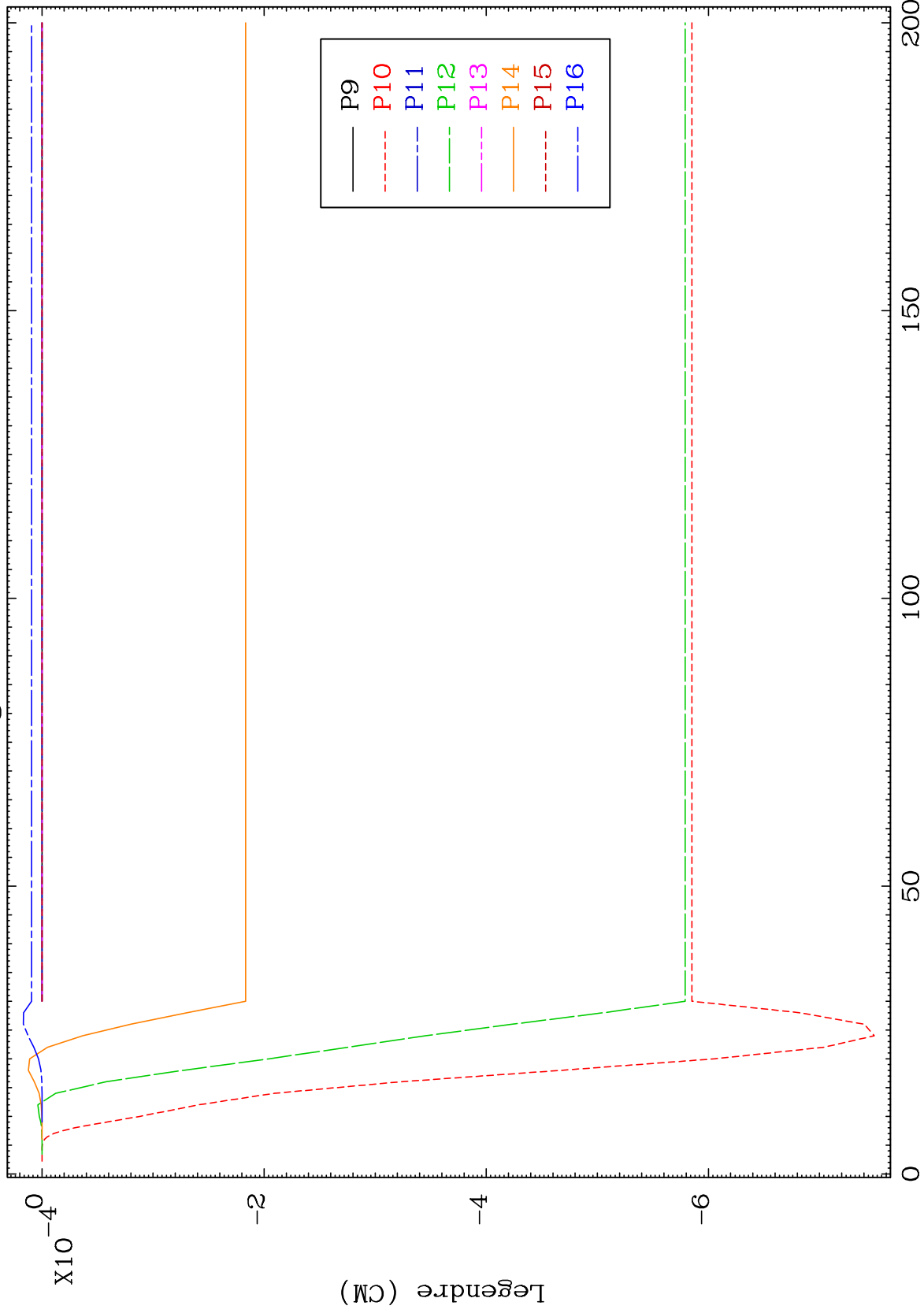
Incident Energy (MeV)

53-I -128

MAT 5328

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

53-I -128



91

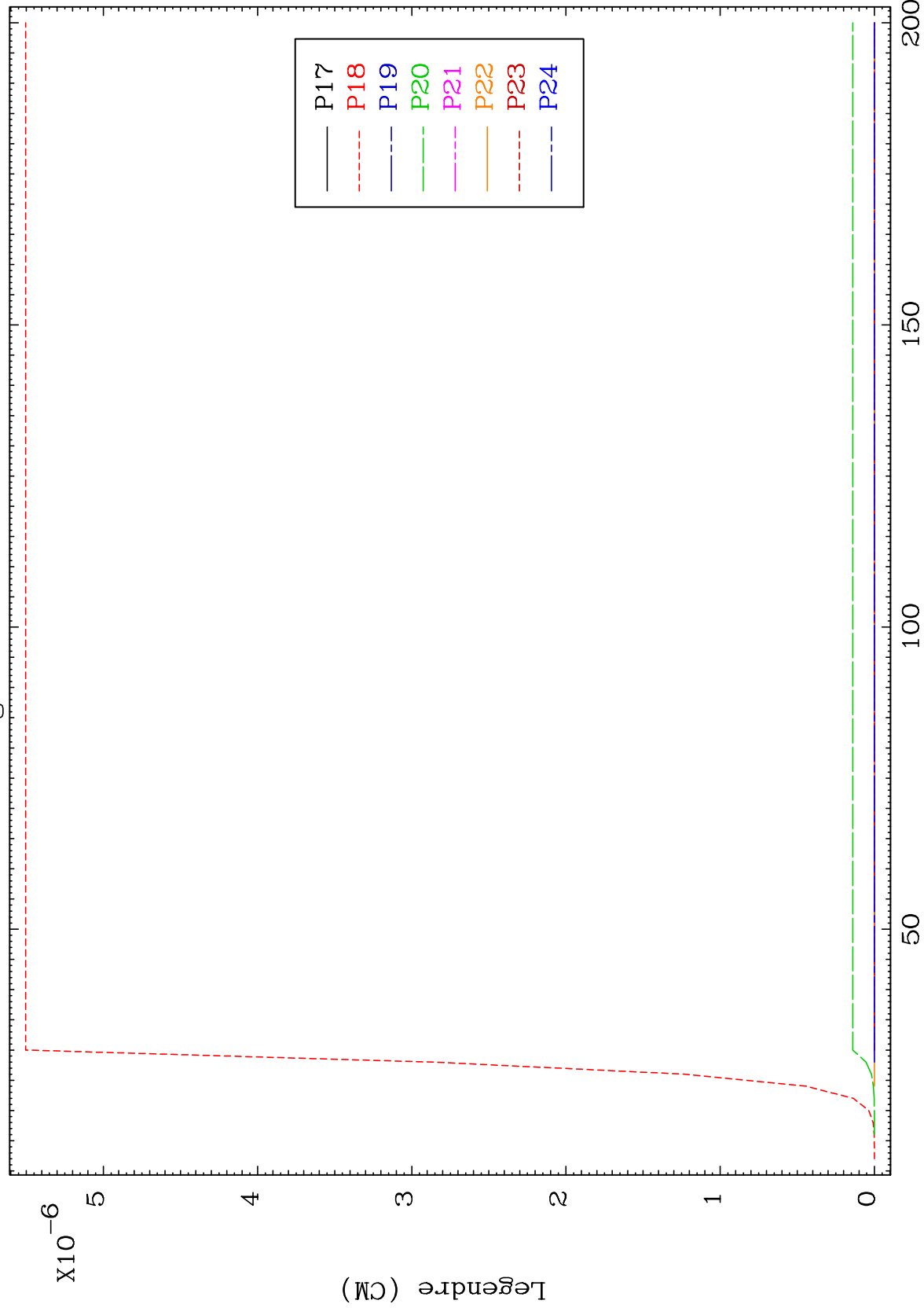
Incident Energy (MeV)

53-I -128

MAT 5328

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

53-I -128



92

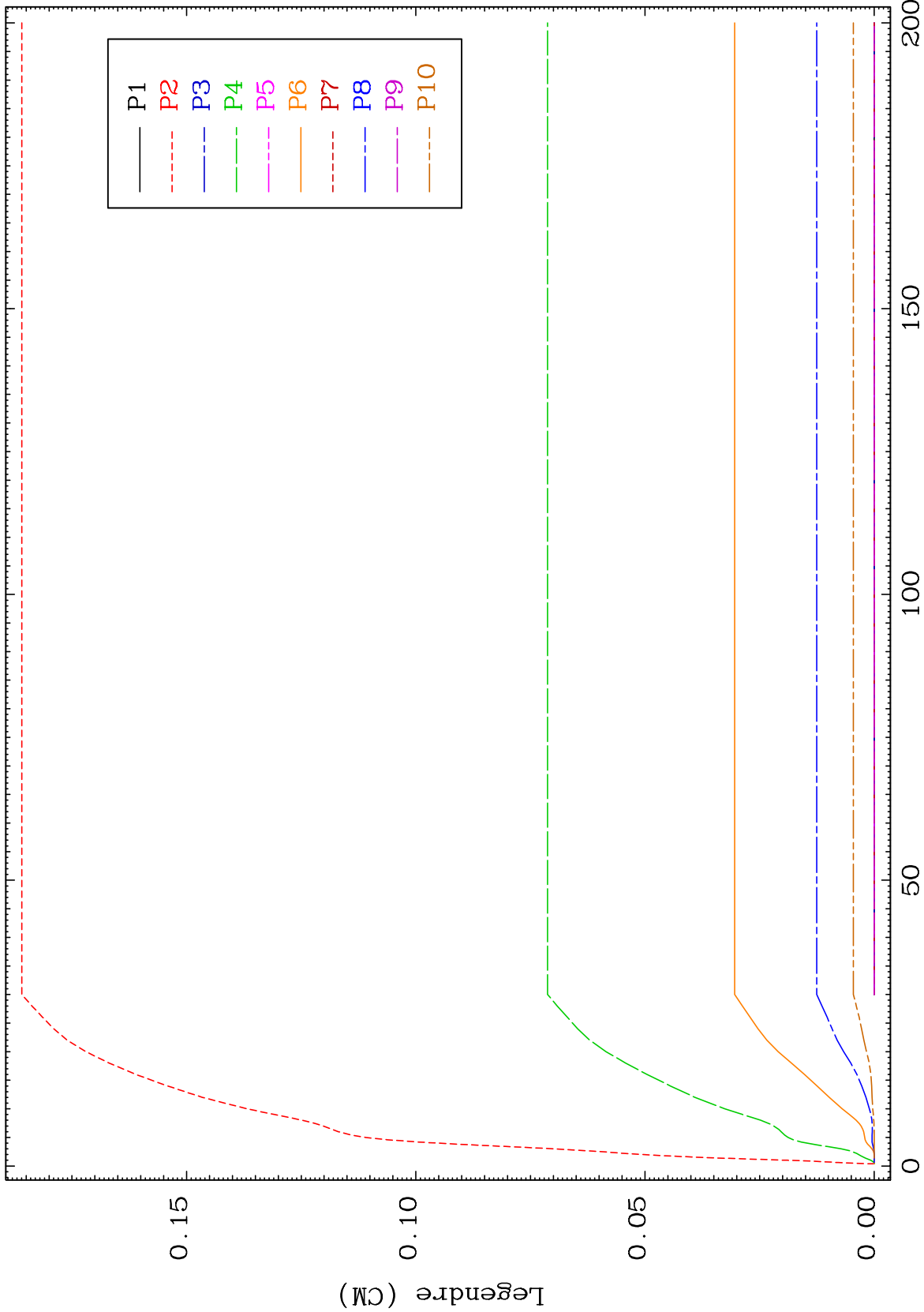
Incident Energy (MeV)

53-I -128

MAT 5328

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

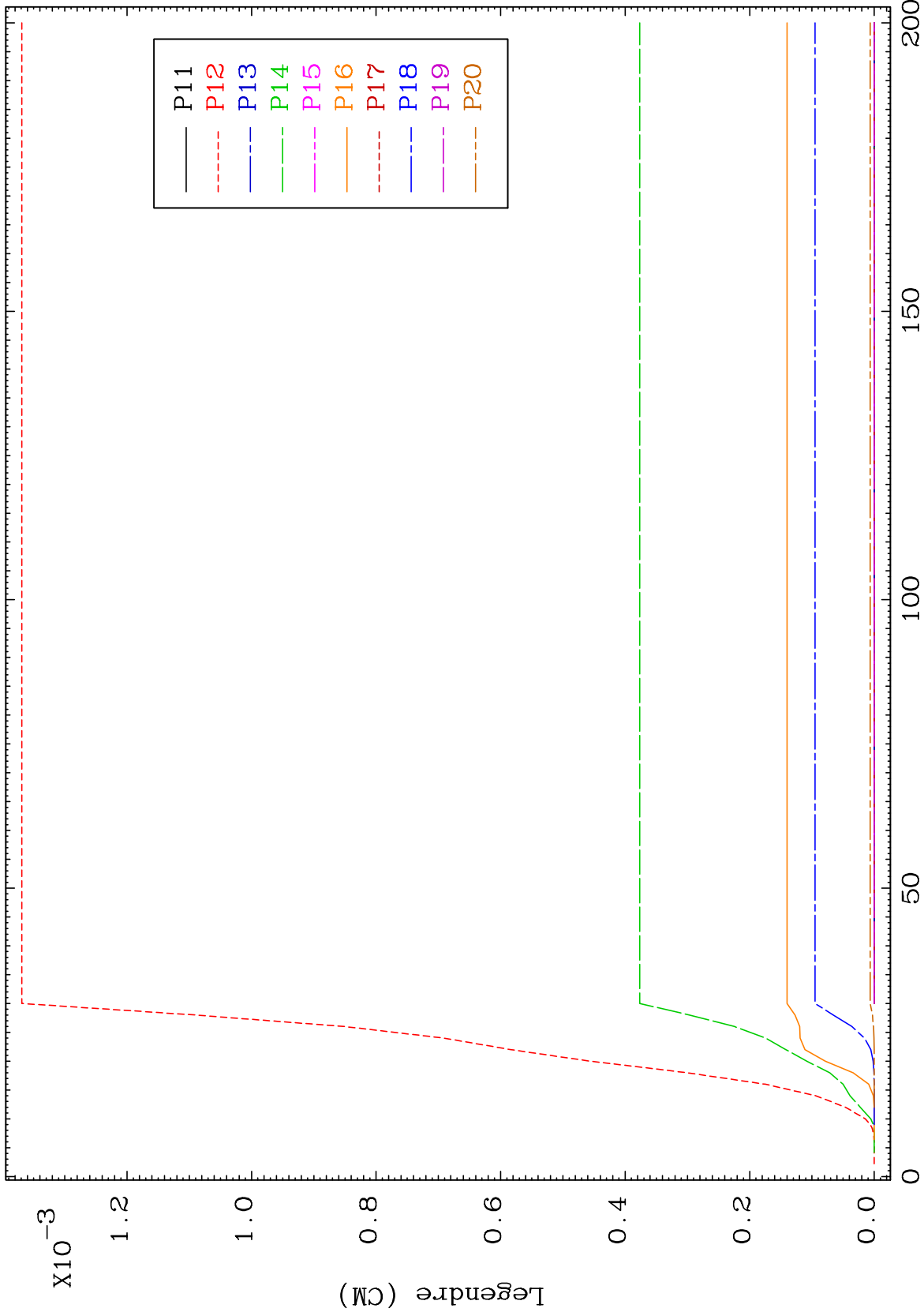
53-I -128



93

Incident Energy (MeV)

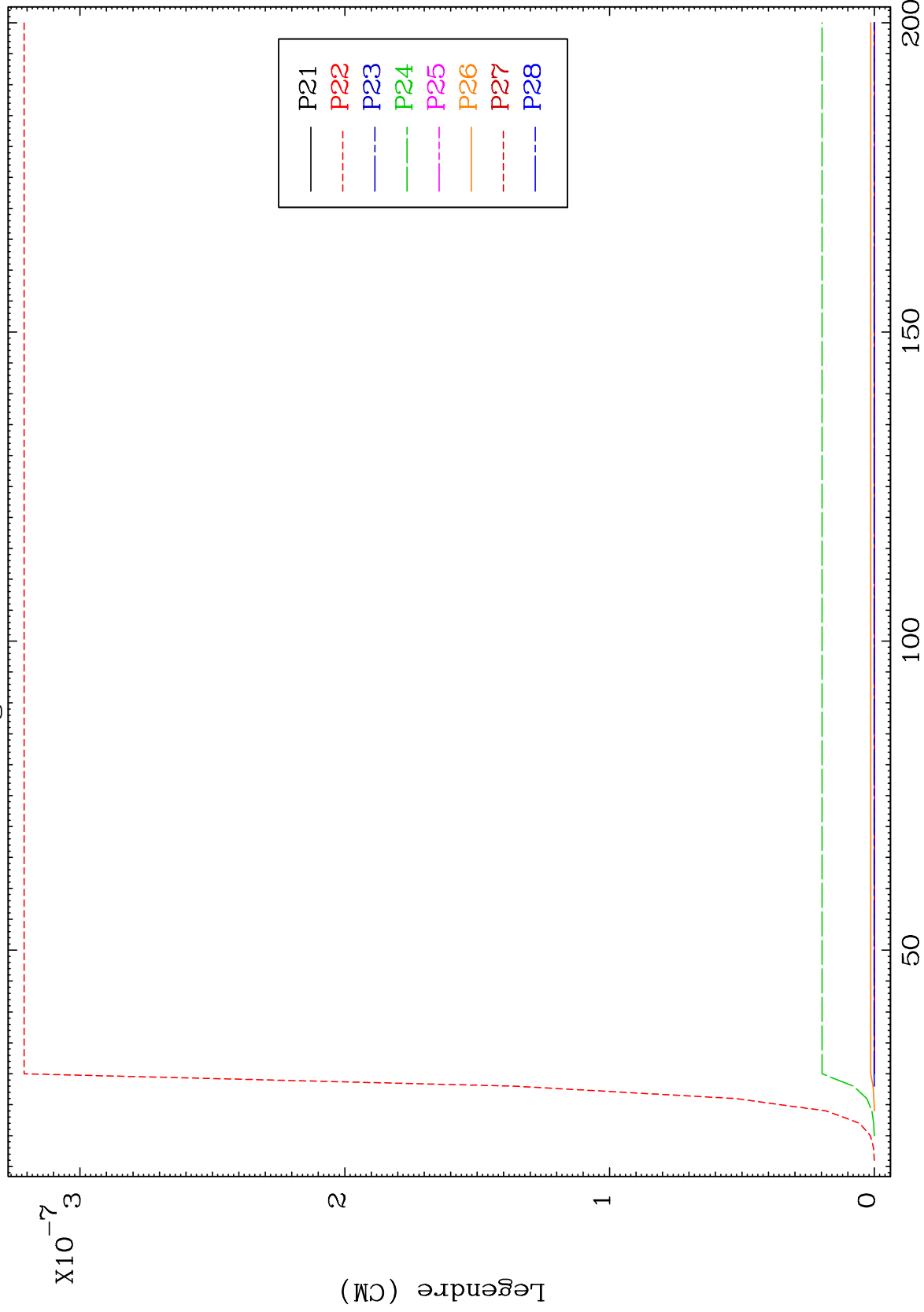
53-I -128



MAT 5328

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

53-I -128



95

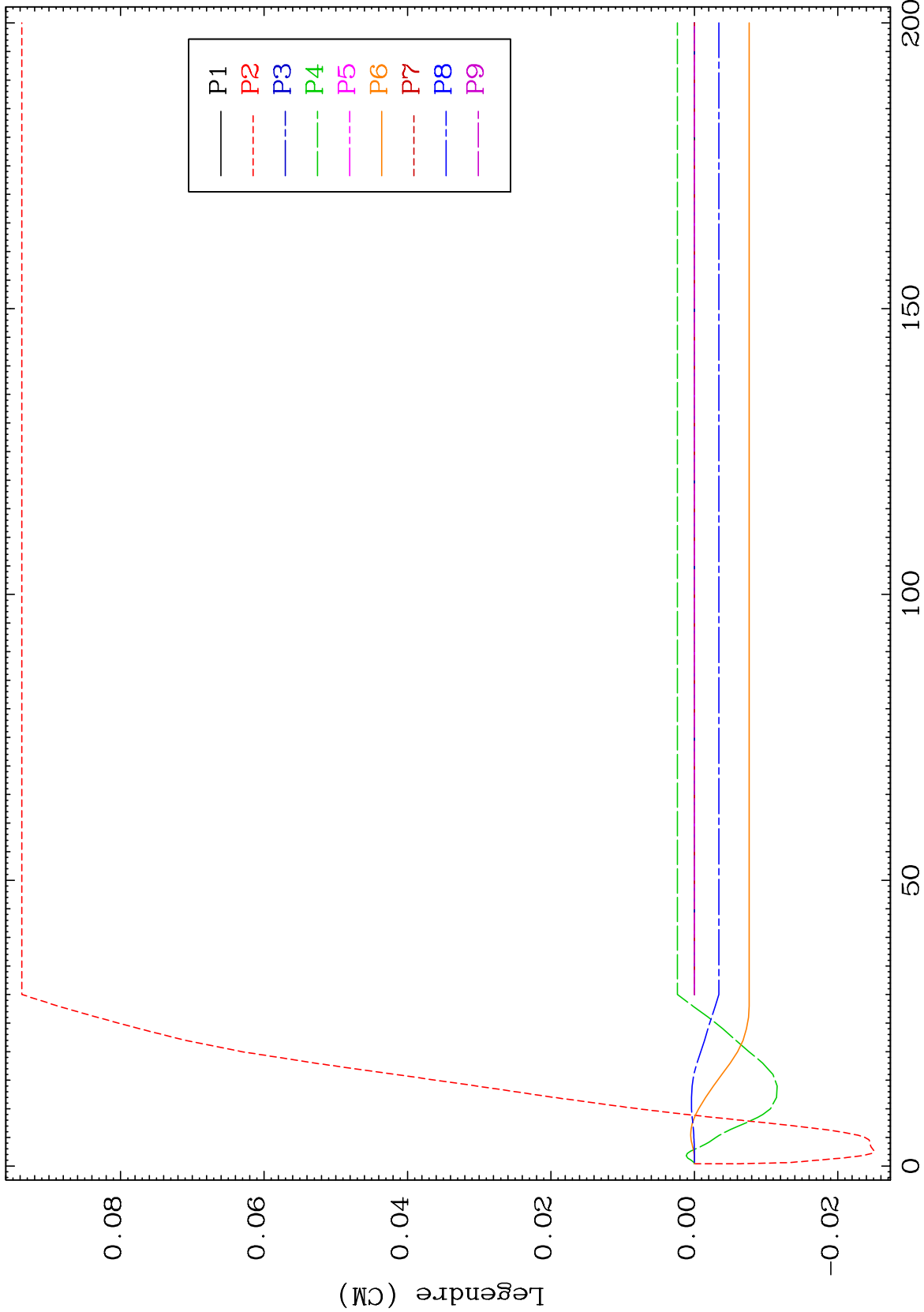
Incident Energy (MeV)

53-I -128

MAT 5328

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

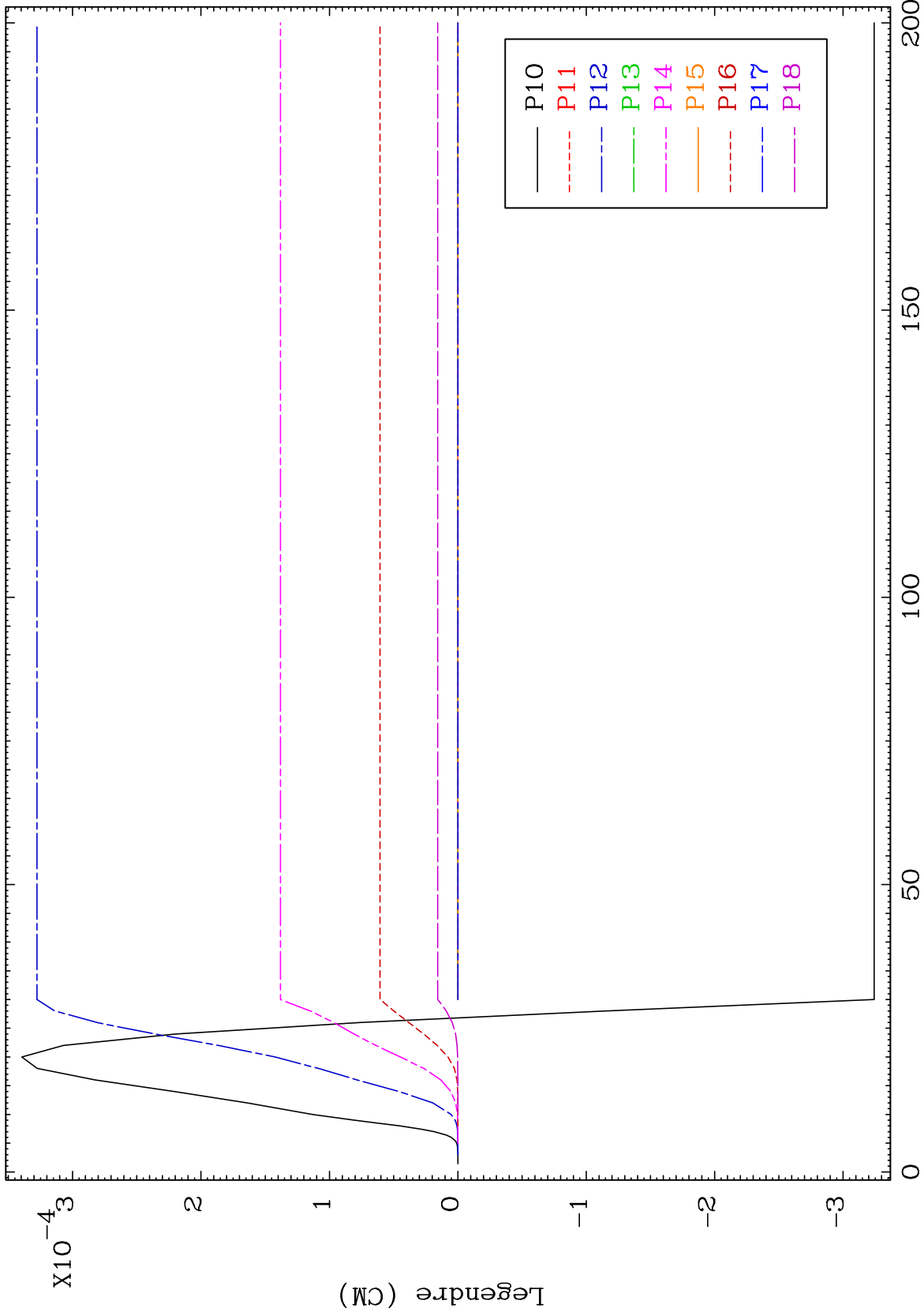
53-I -128



96

Incident Energy (MeV)

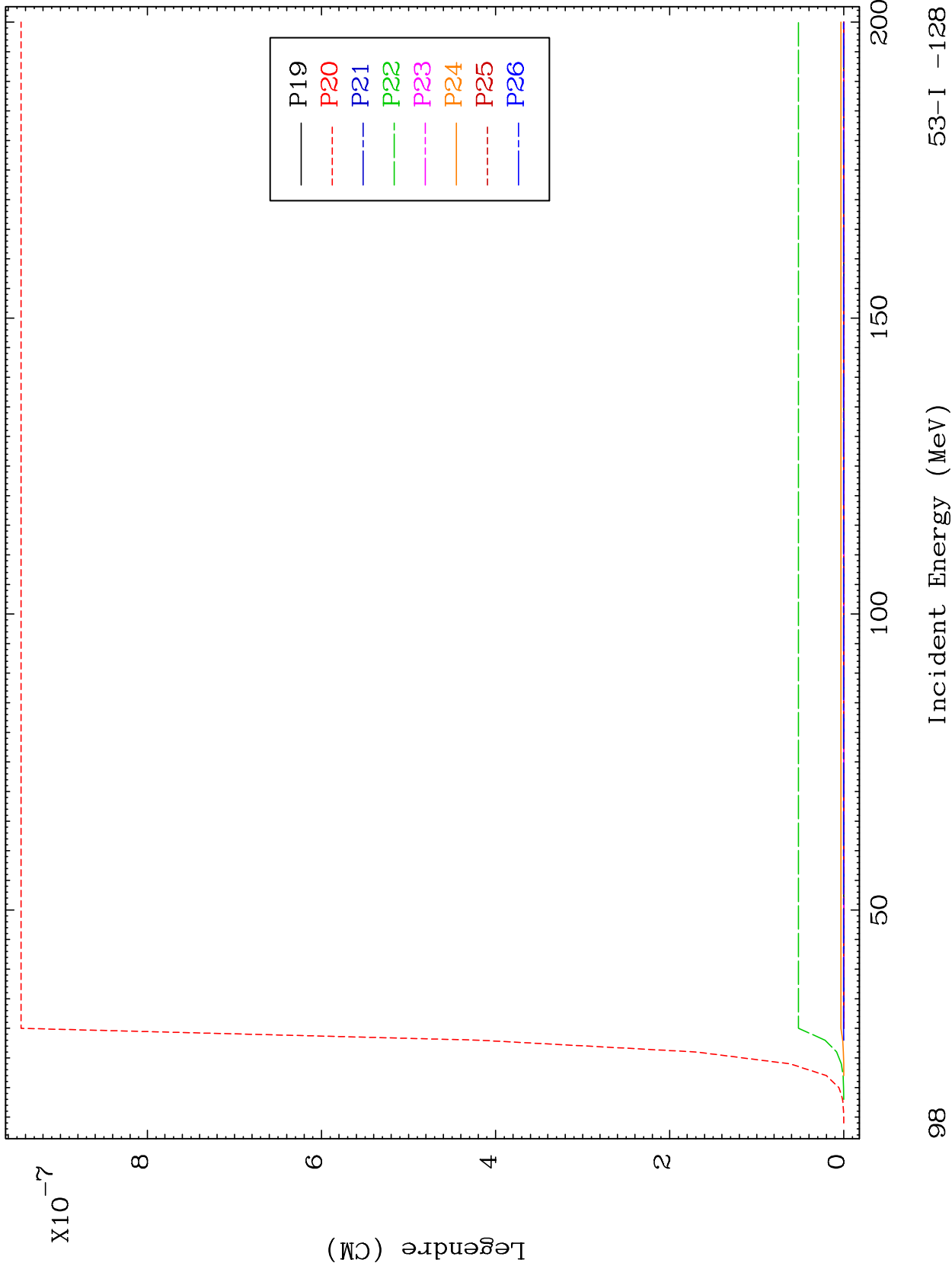
53-I -128



MAT 5328

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

53-I -128



98

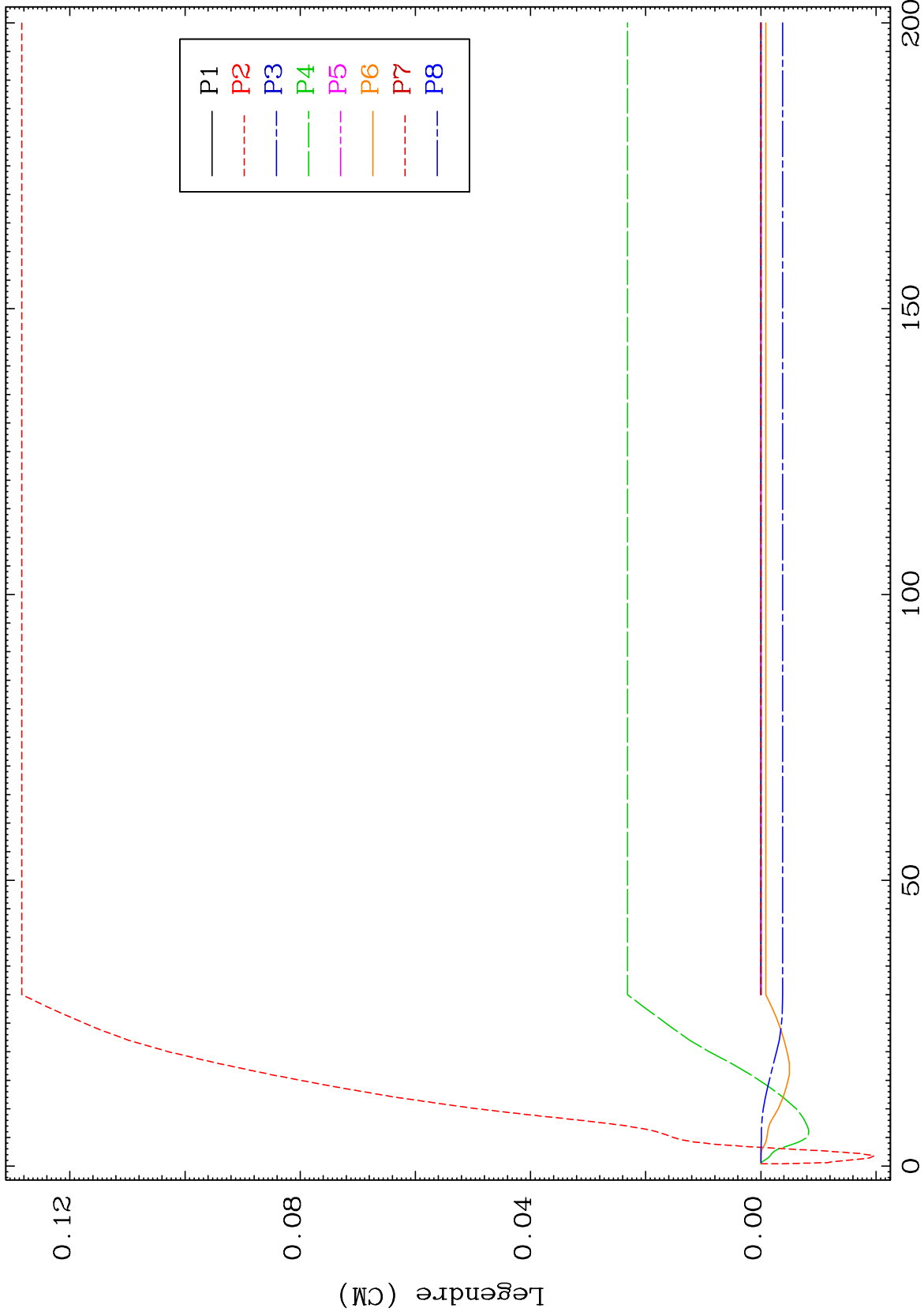
Incident Energy (MeV)

53-I -128

MAT 5328

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

53-I -128



99

Incident Energy (MeV)

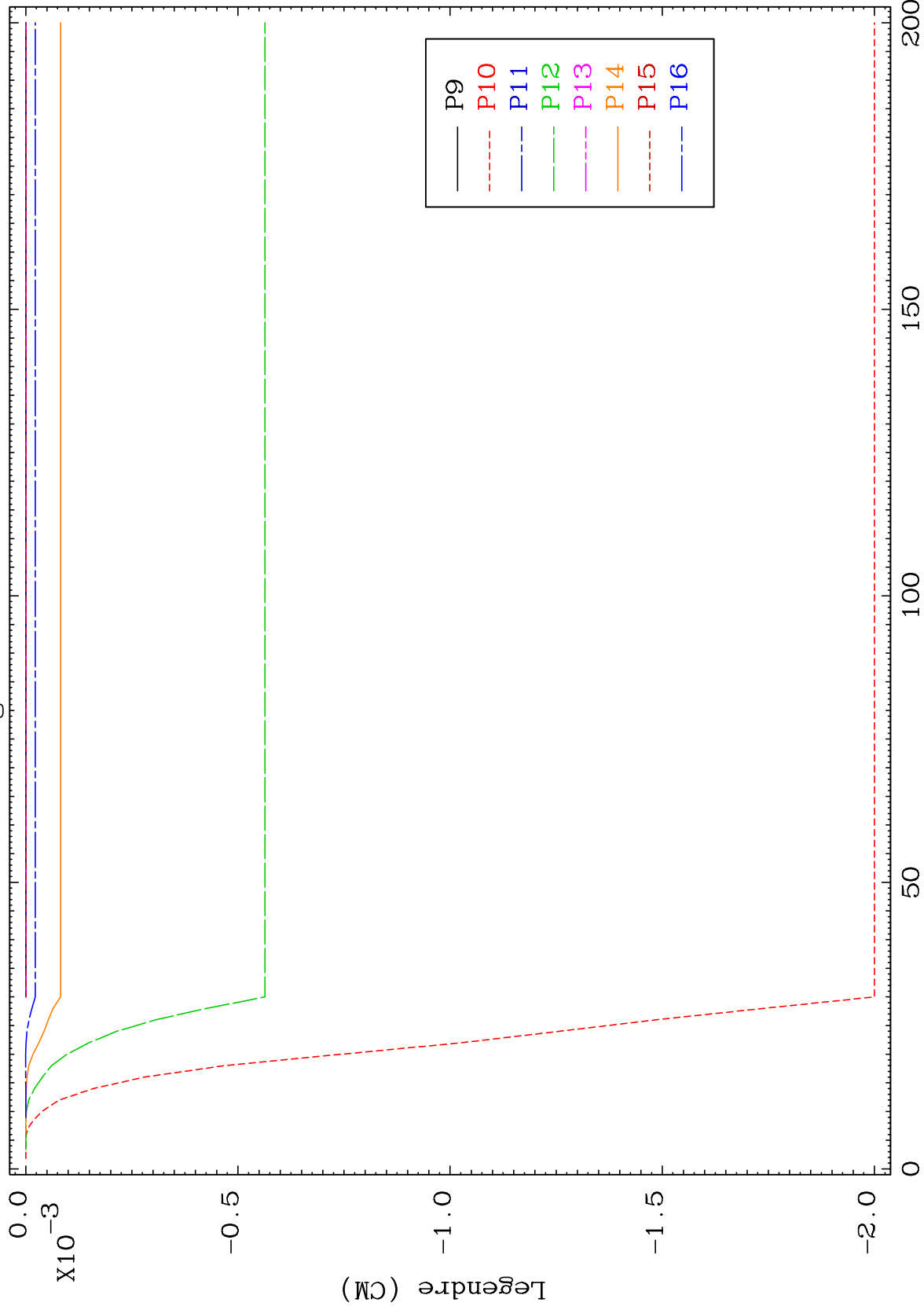
53-I -128

MAT 5328

MT= 74 (n,n') Level

53-I -128

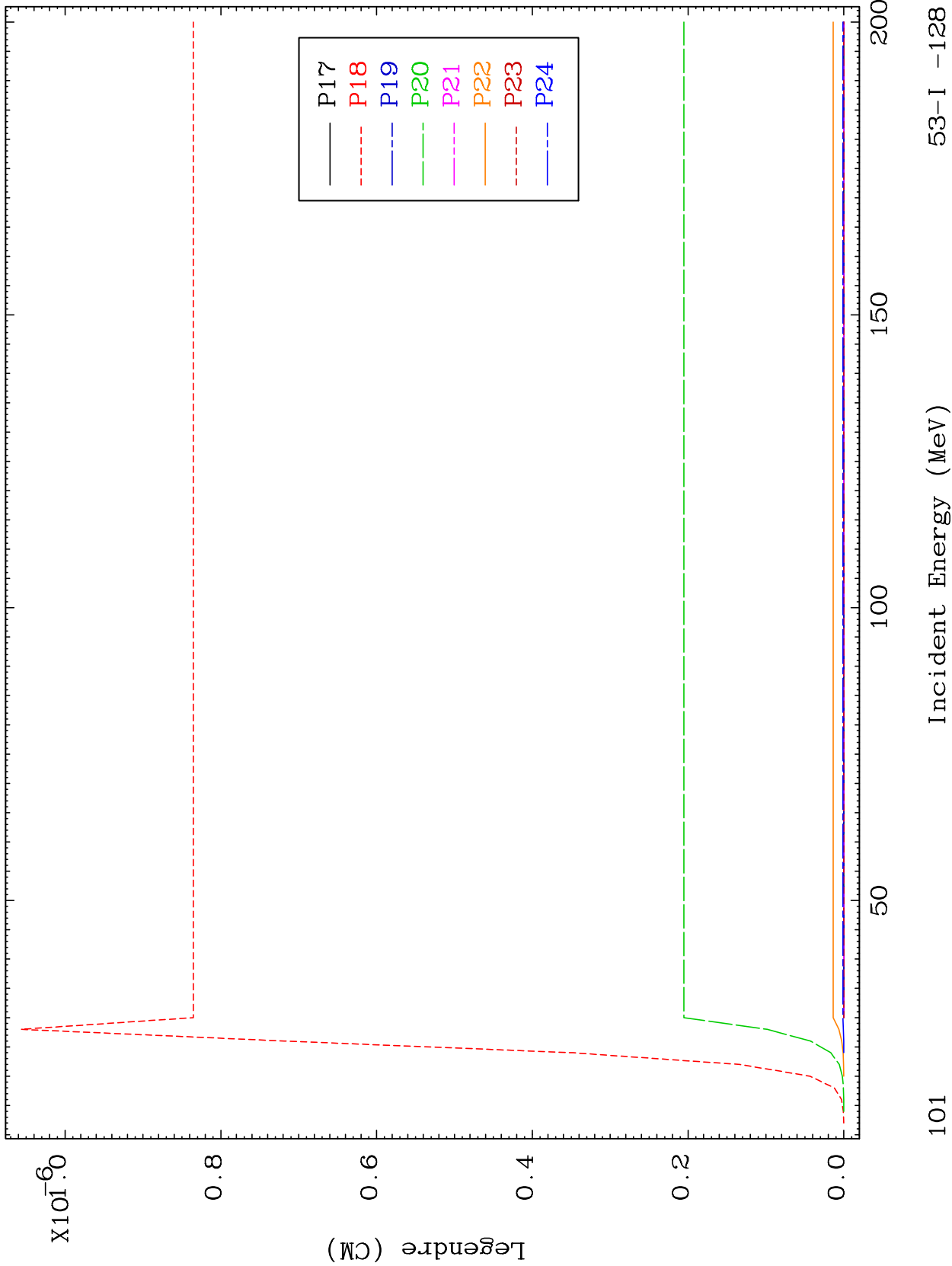
Legendre Coefficients



100

Incident Energy (MeV)

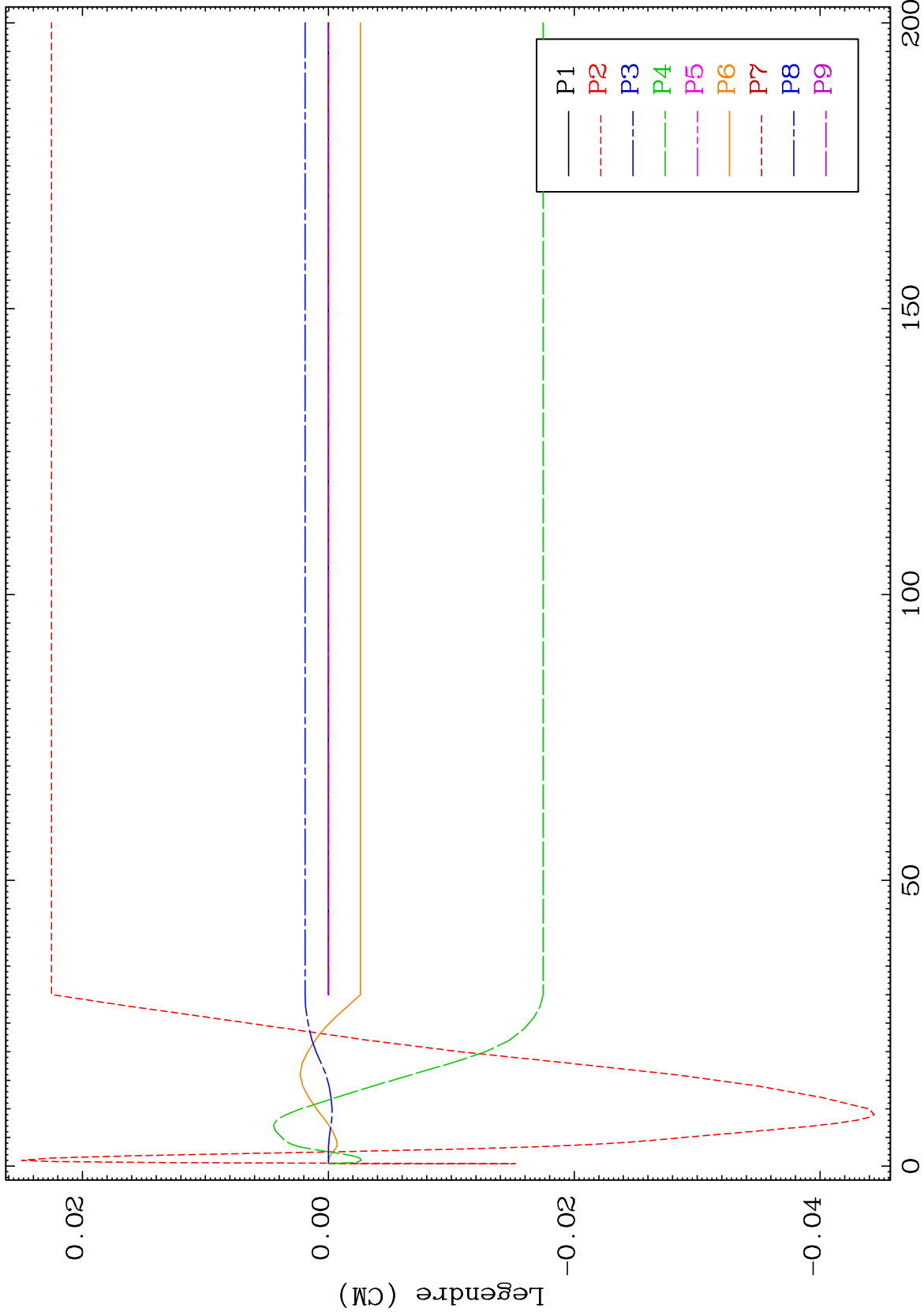
53-I -128



MAT 5328

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

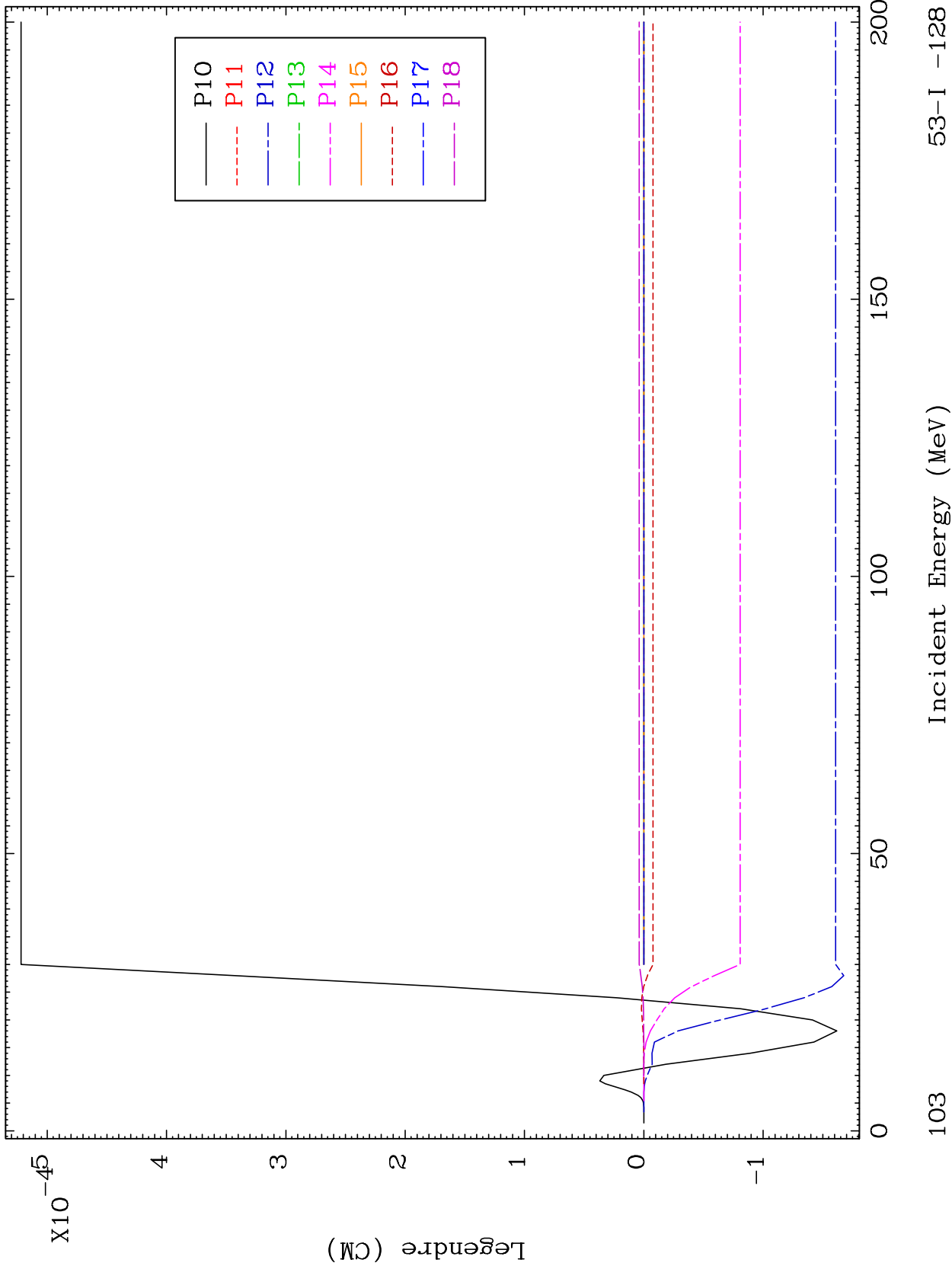
53-I -128



53-I -128

Incident Energy (MeV)

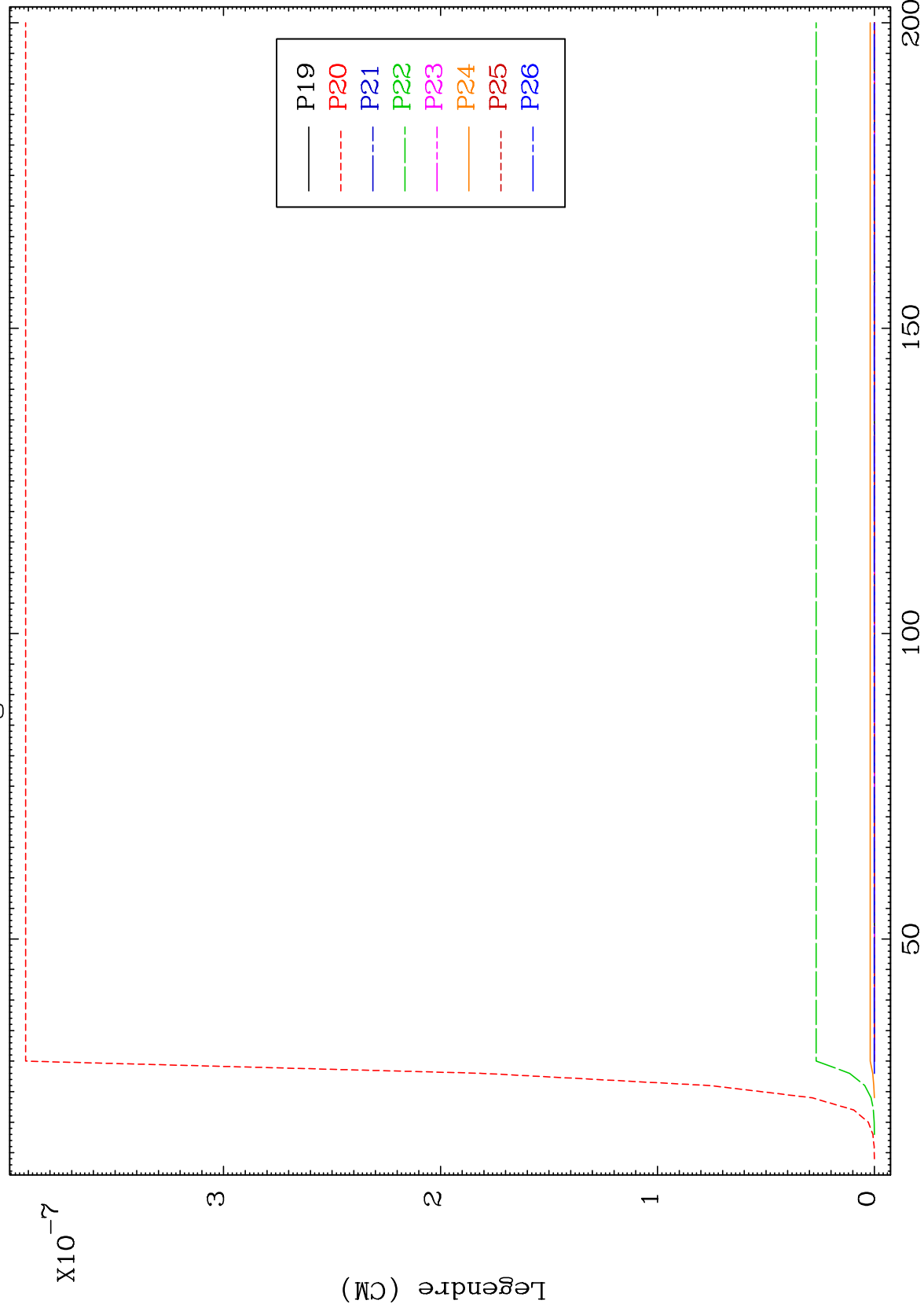
102



MAT 5328

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

53-I -128



104

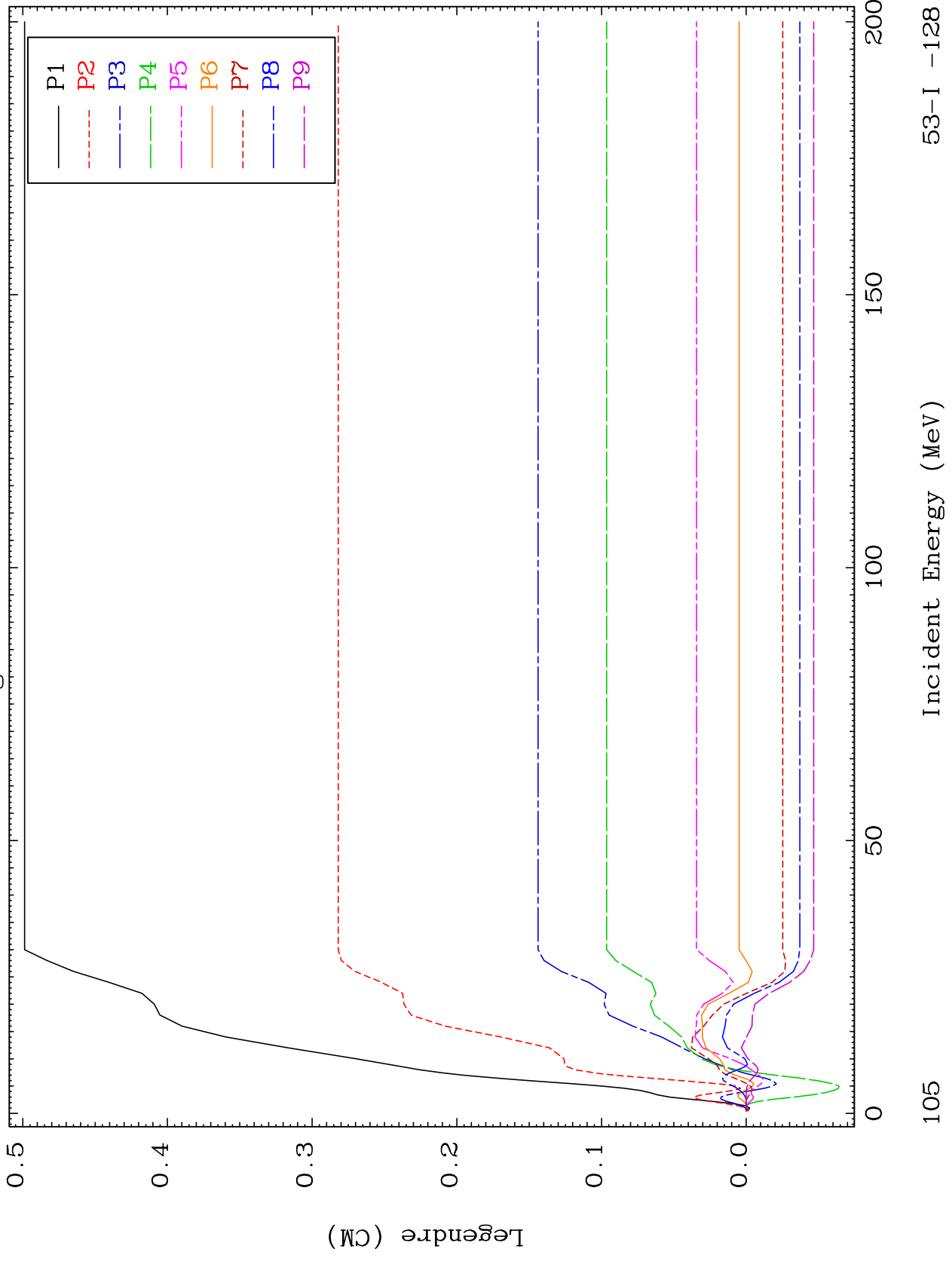
Incident Energy (MeV)

53-I -128

MAT 5328

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

53-I -128



53-I -128

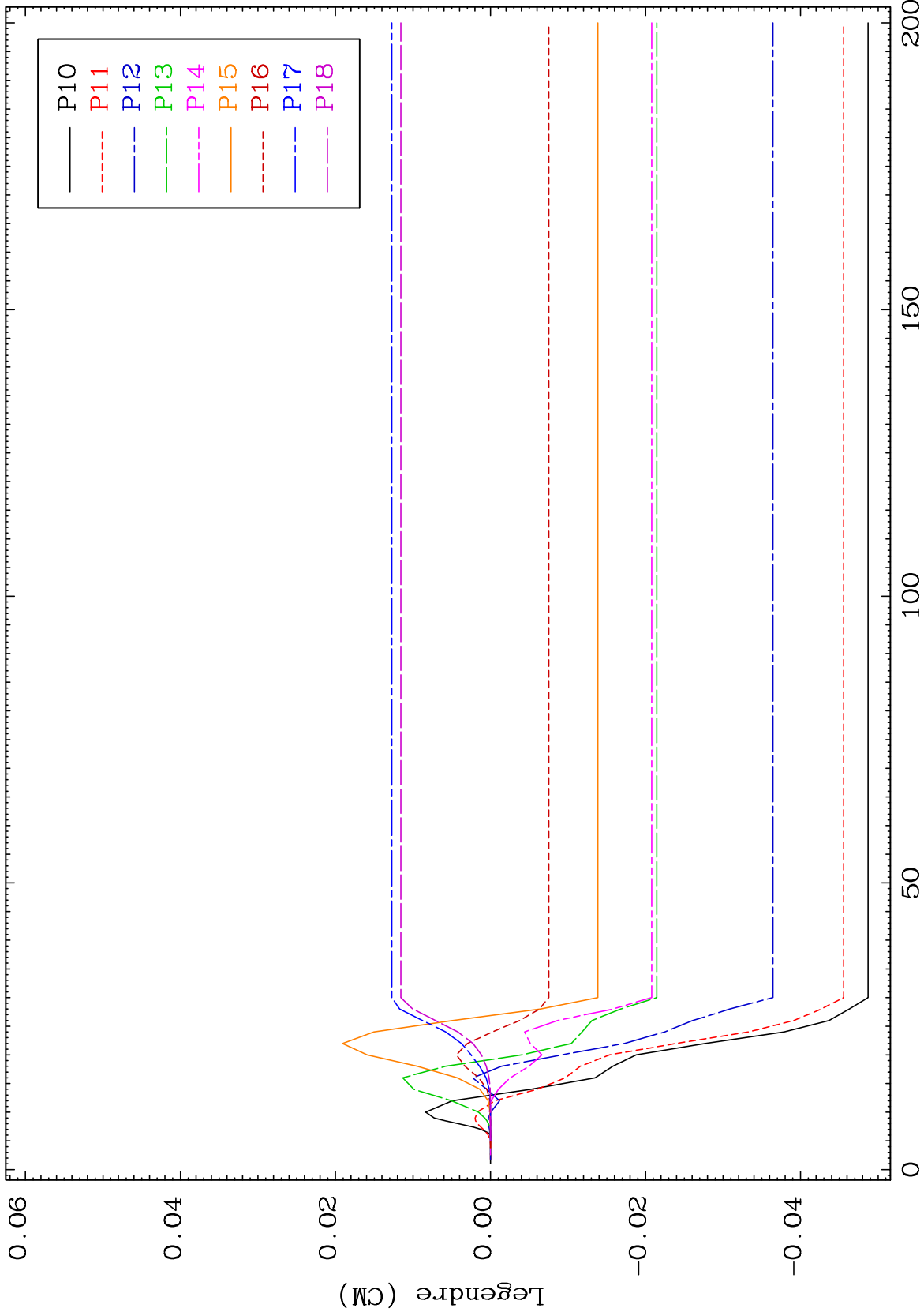
Incident Energy (MeV)

105

MAT 5328

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

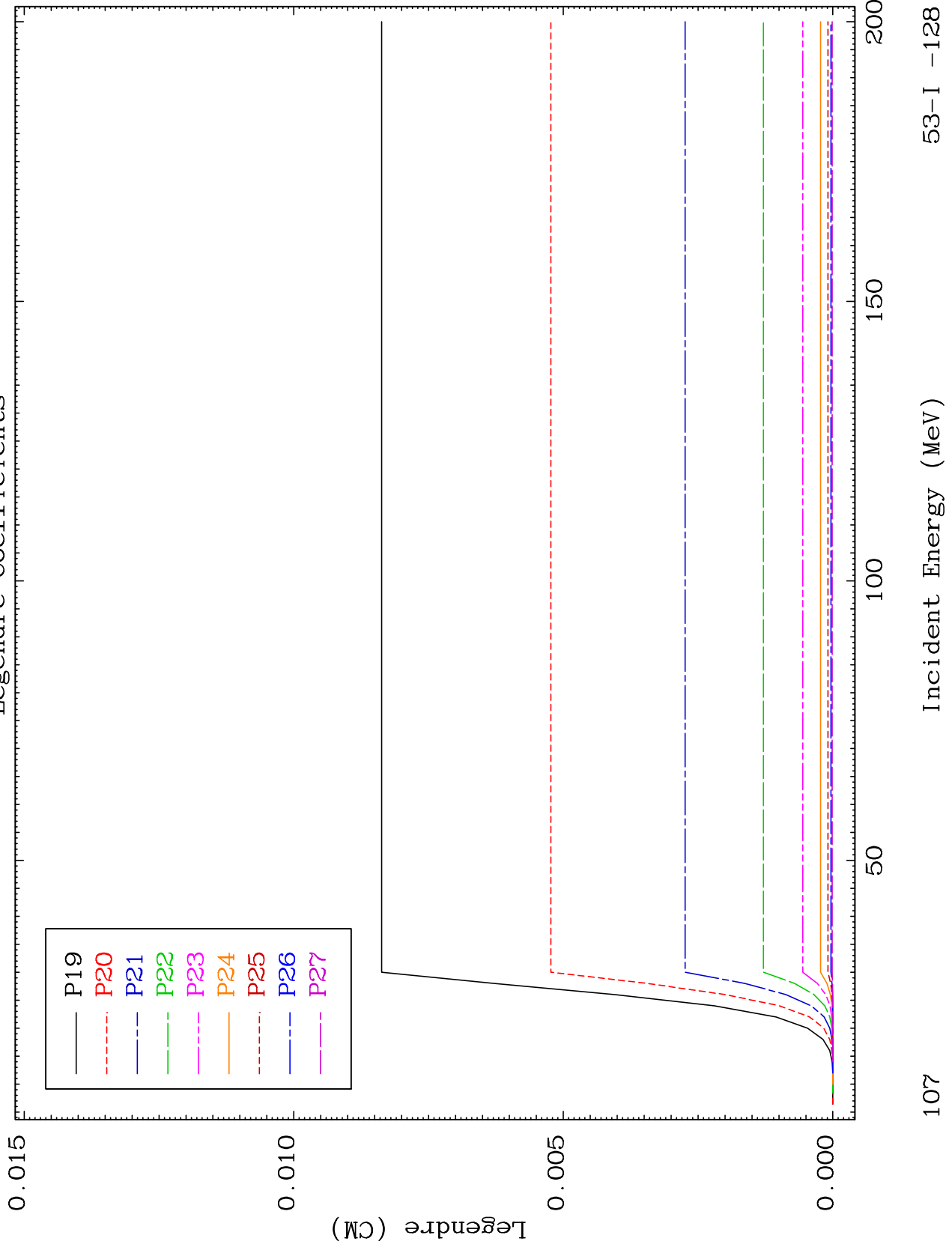
53-I -128



106

Incident Energy (MeV)

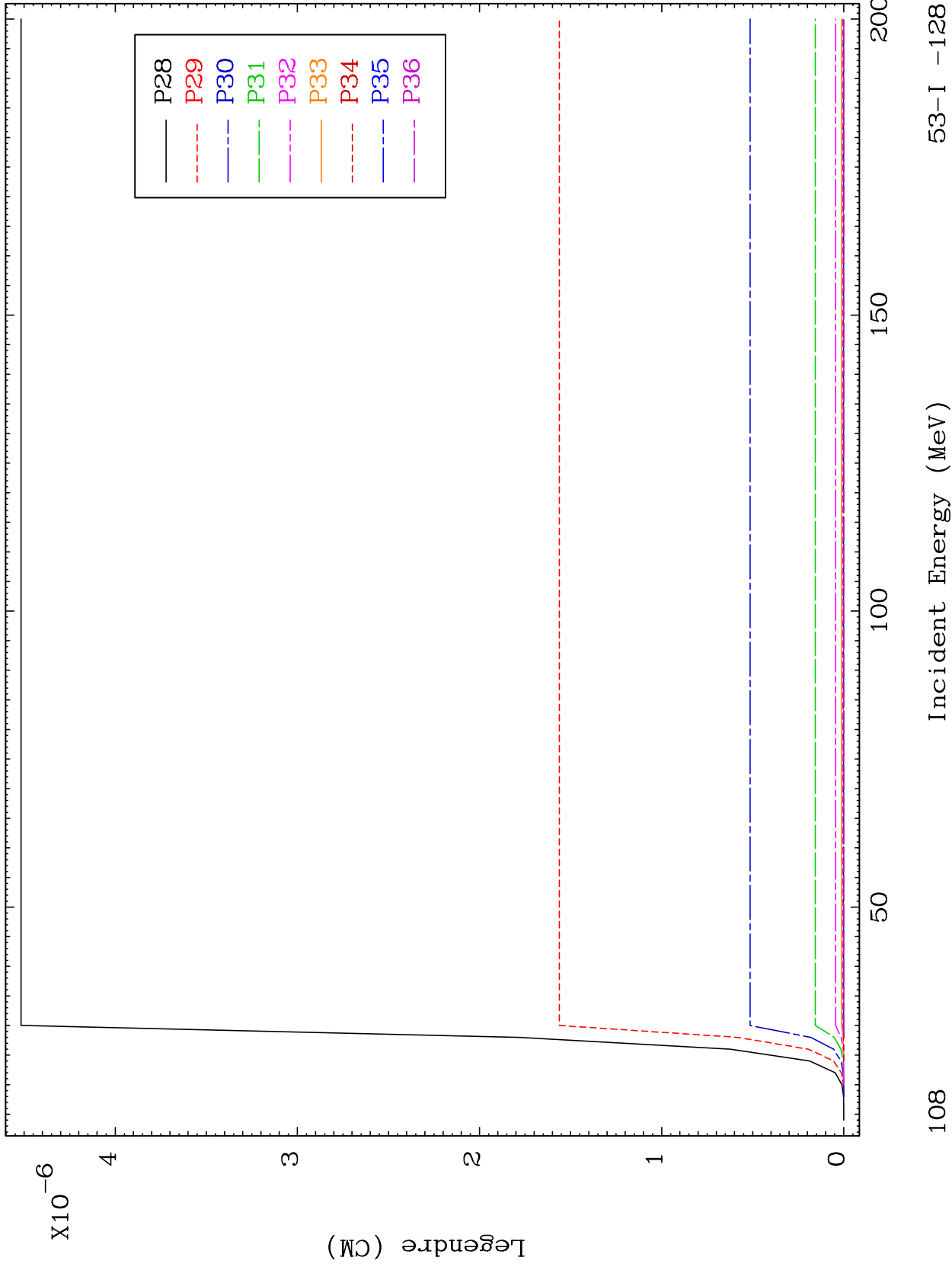
53-I -128



MAT 5328

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

53-I -128

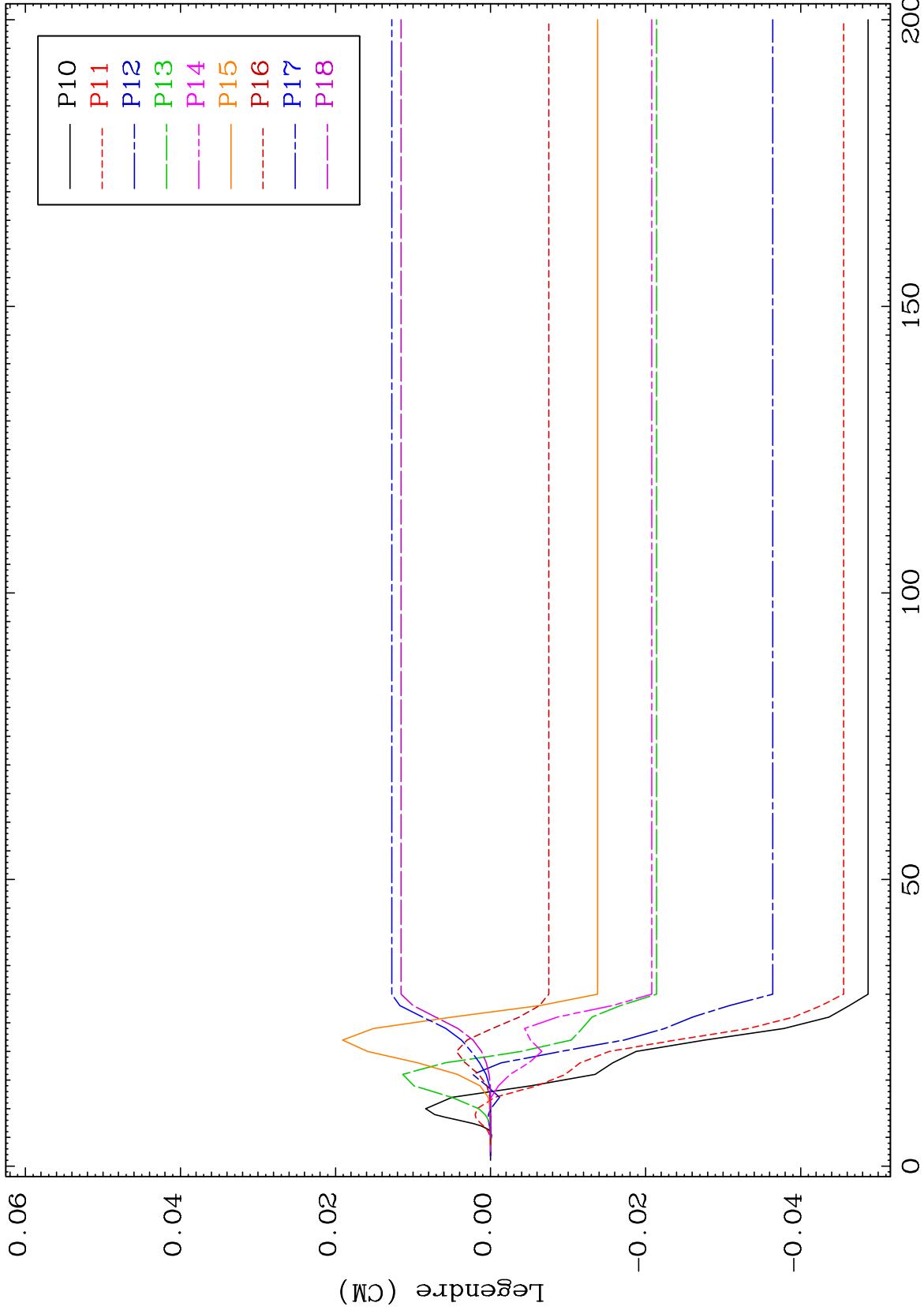




MAT 5328

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

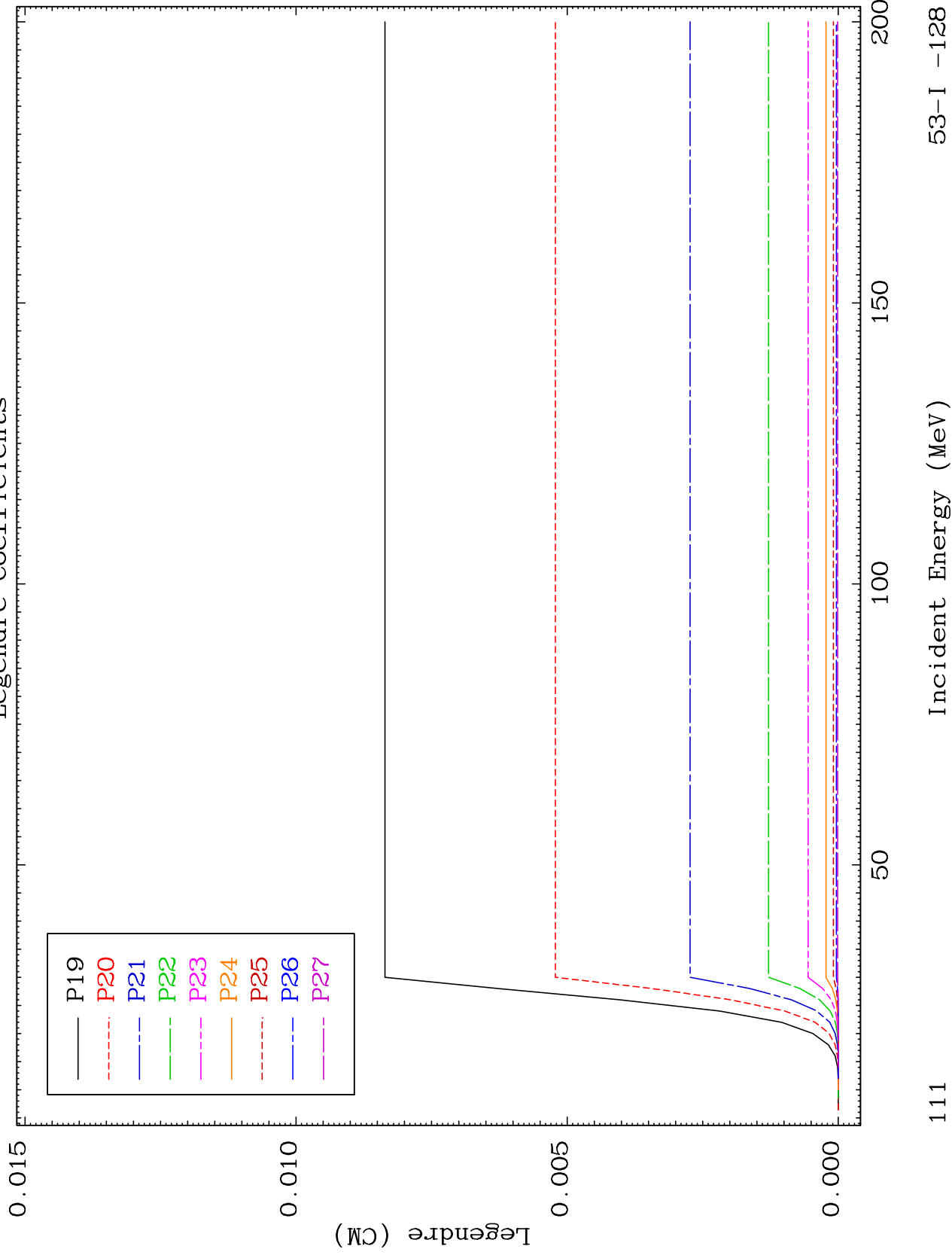
53-I -128



110

Incident Energy (MeV)

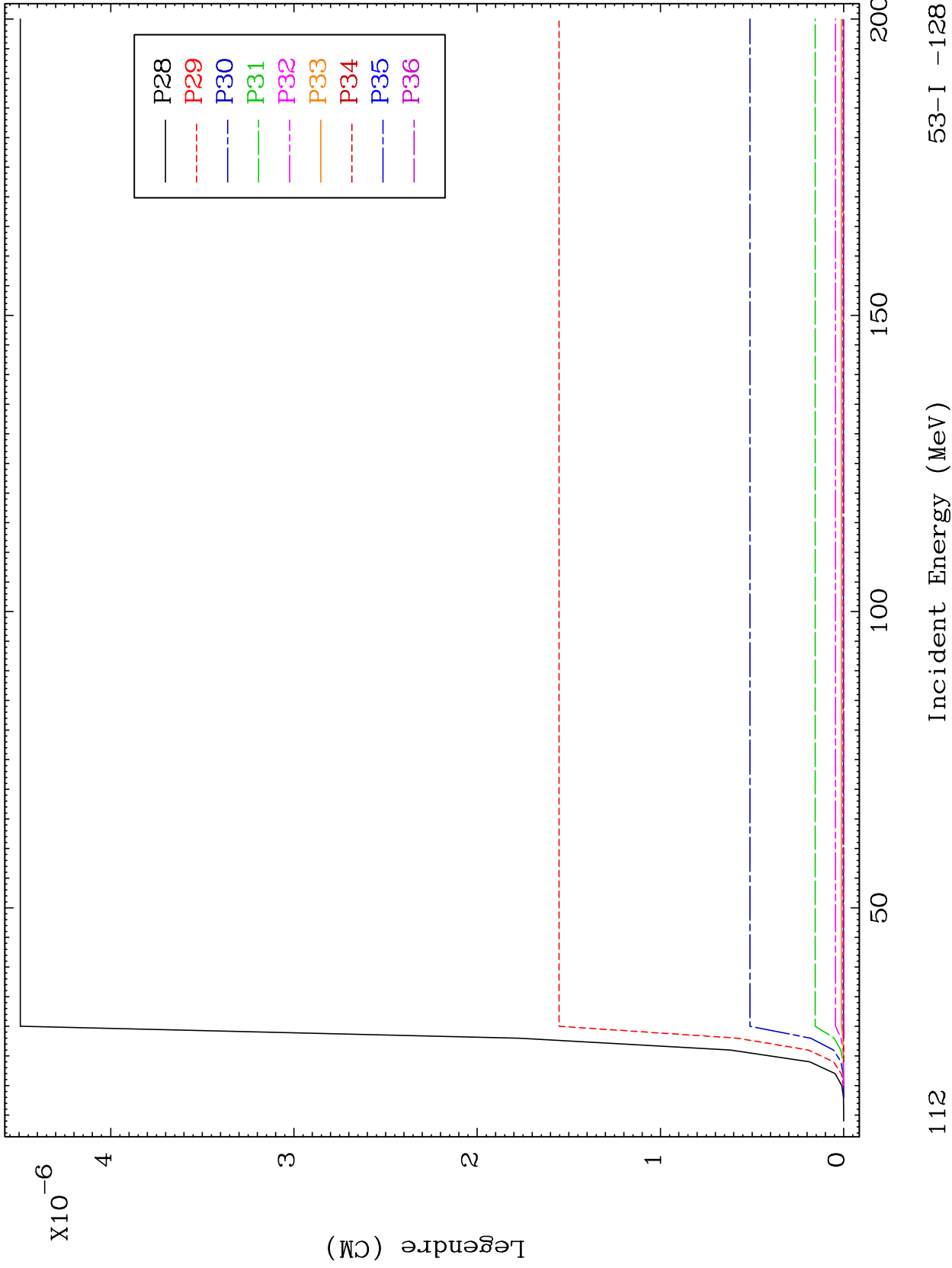
53-I -128



MAT 5328

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

53-I -128



112

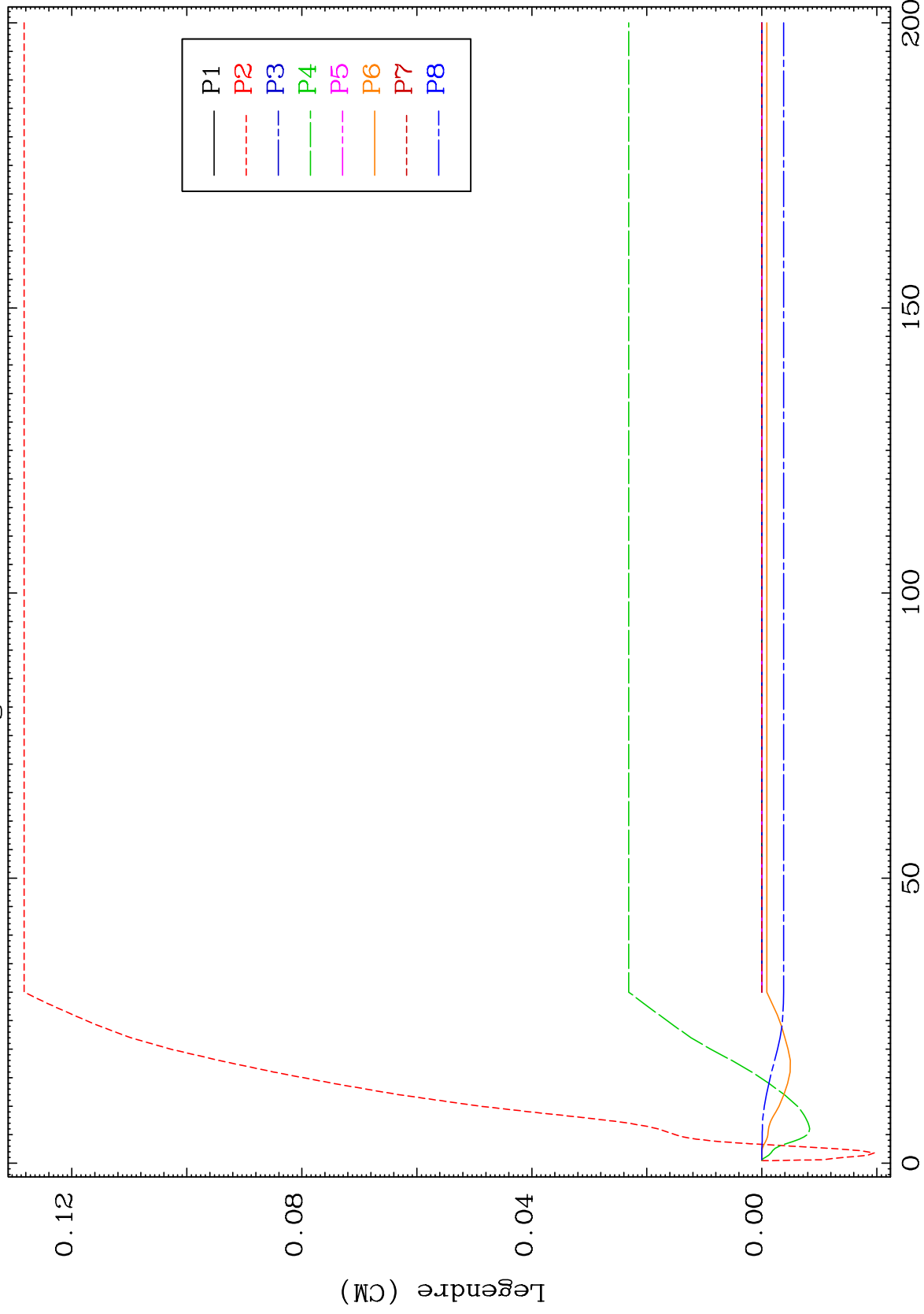
Incident Energy (MeV)

53-I -128

MAT 5328

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

53-I -128



113

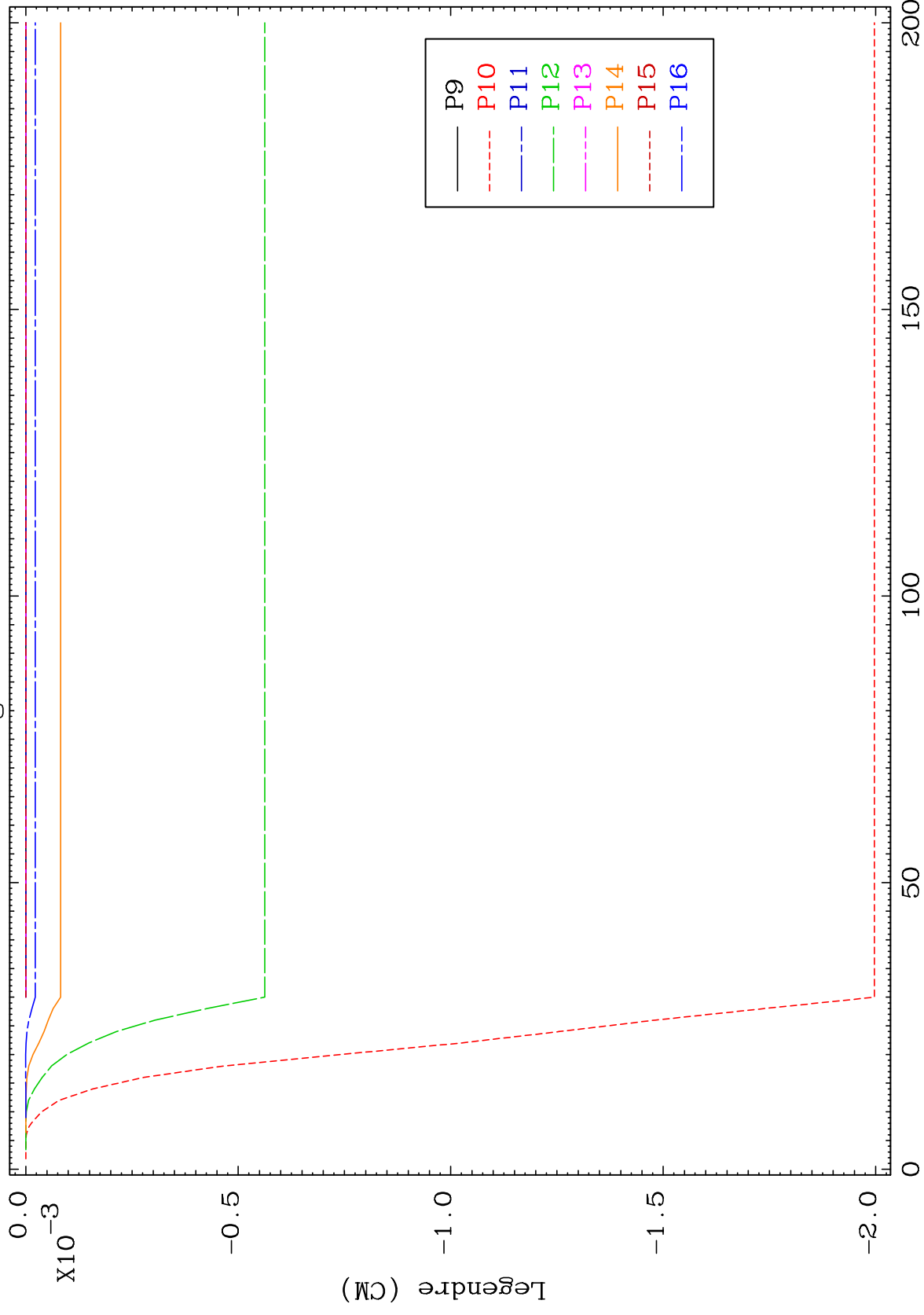
Incident Energy (MeV)

53-I -128

MAT 5328

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

53-I -128



114

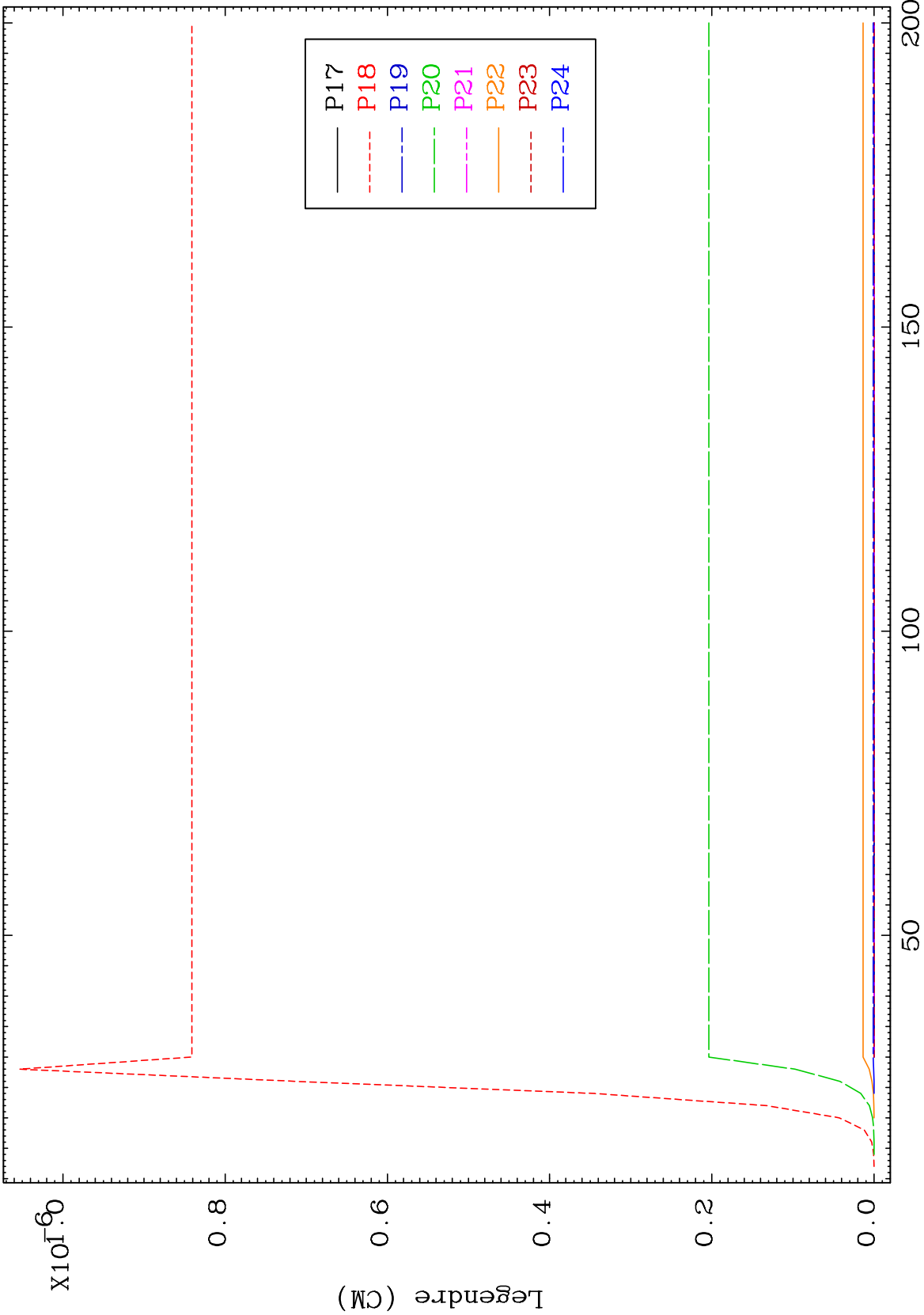
Incident Energy (MeV)

53-I -128

MAT 5328

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

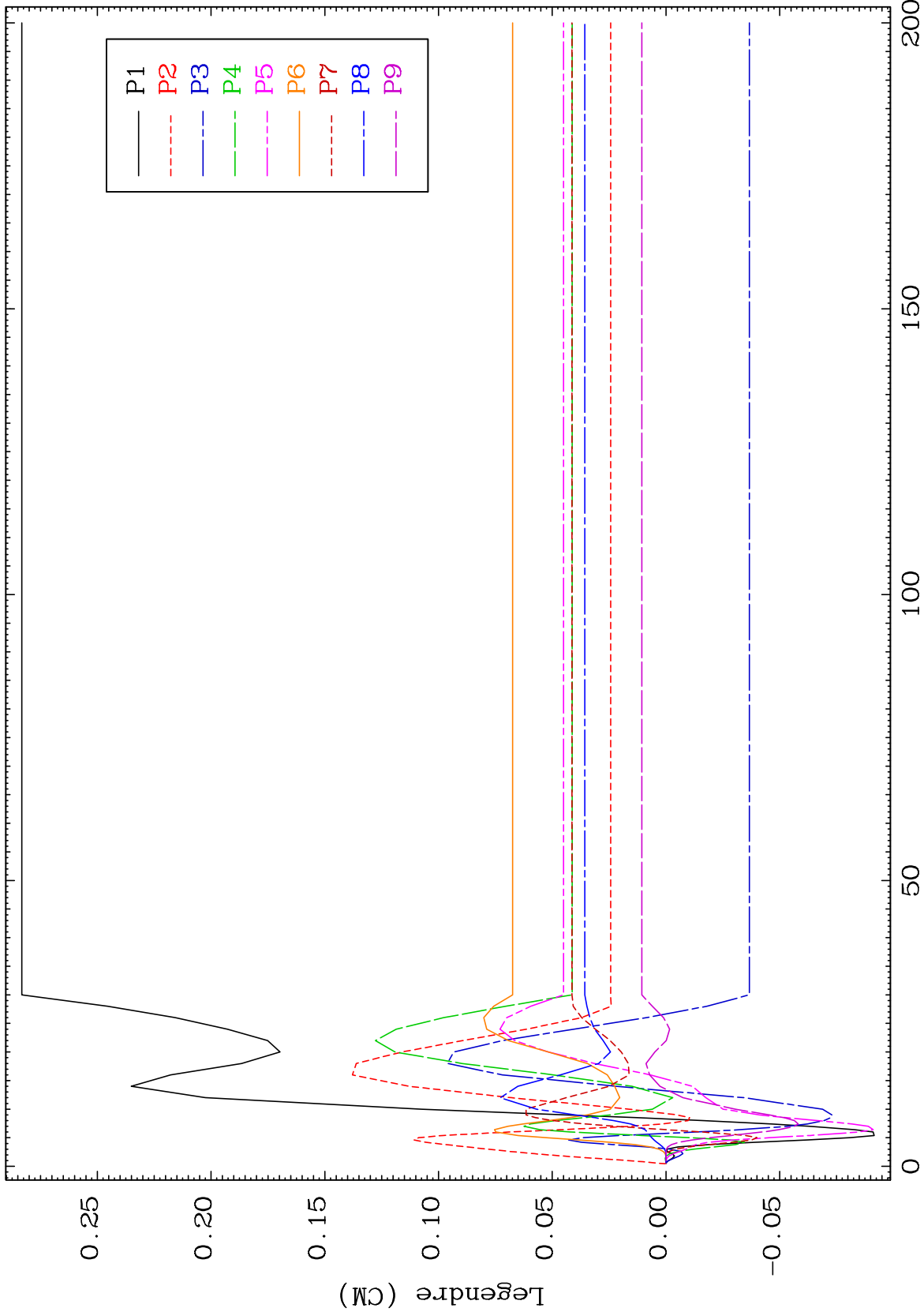
53-I -128



115

Incident Energy (MeV)

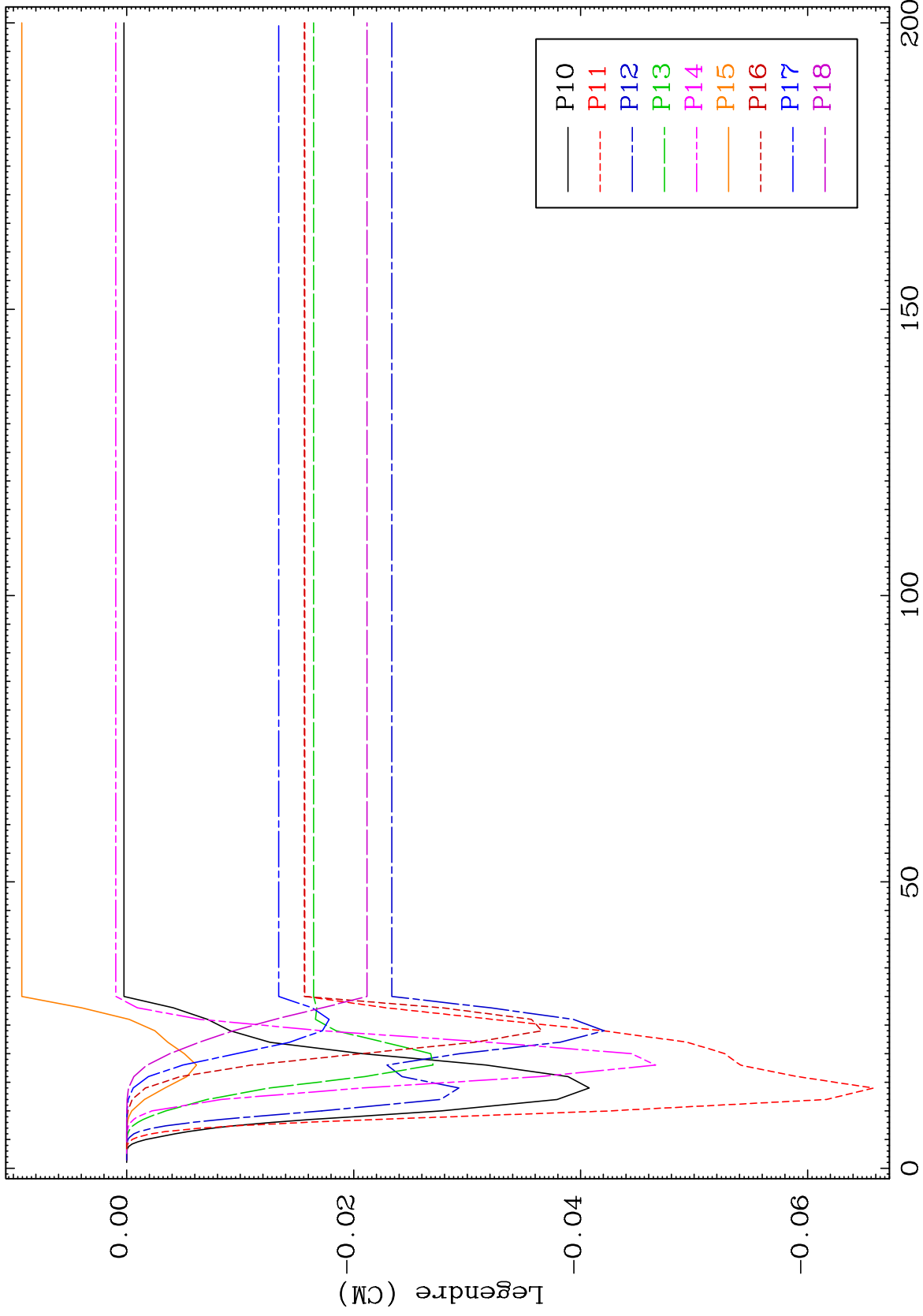
53-I -128



MAT 5328

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

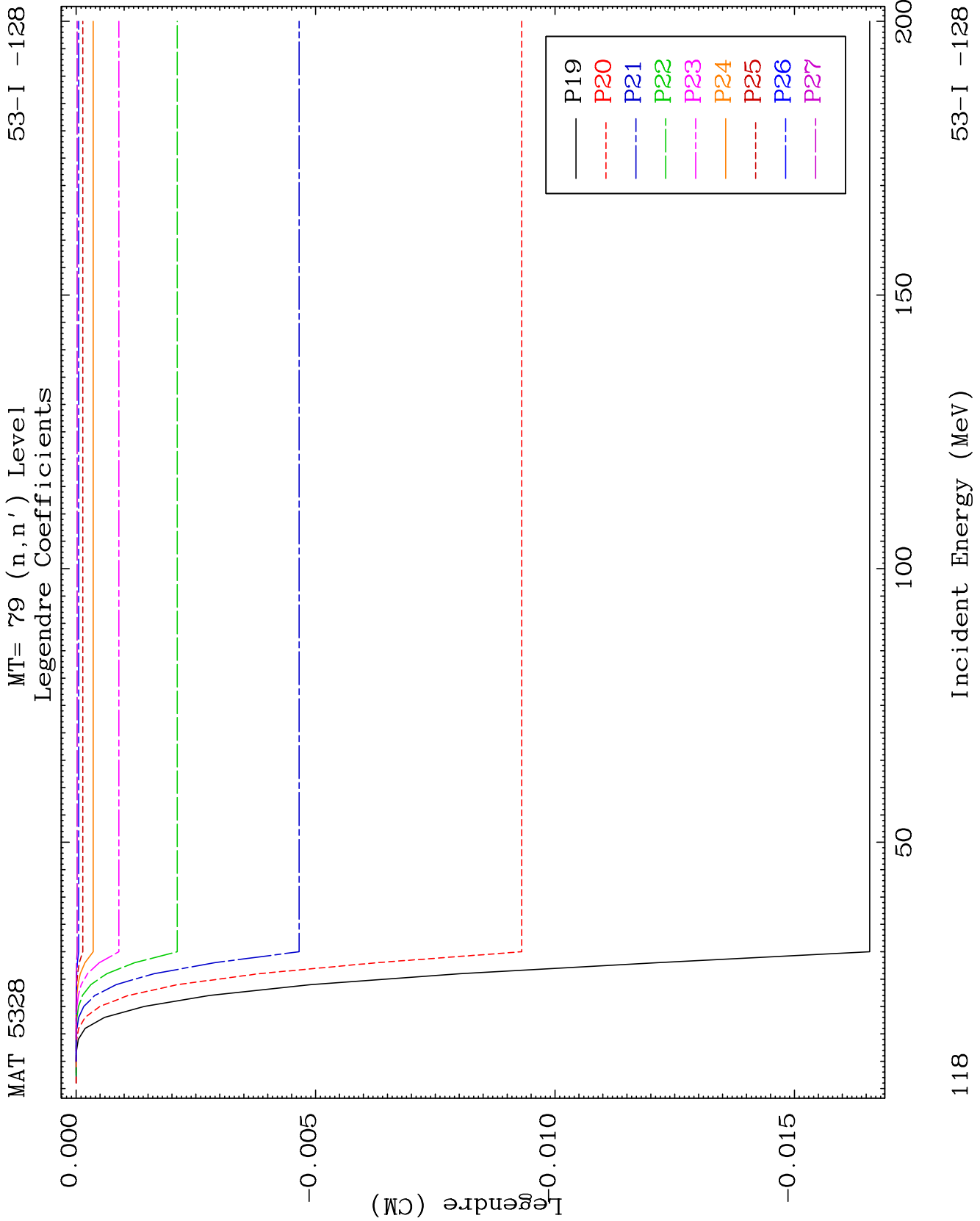
53-I -128



117

Incident Energy (MeV)

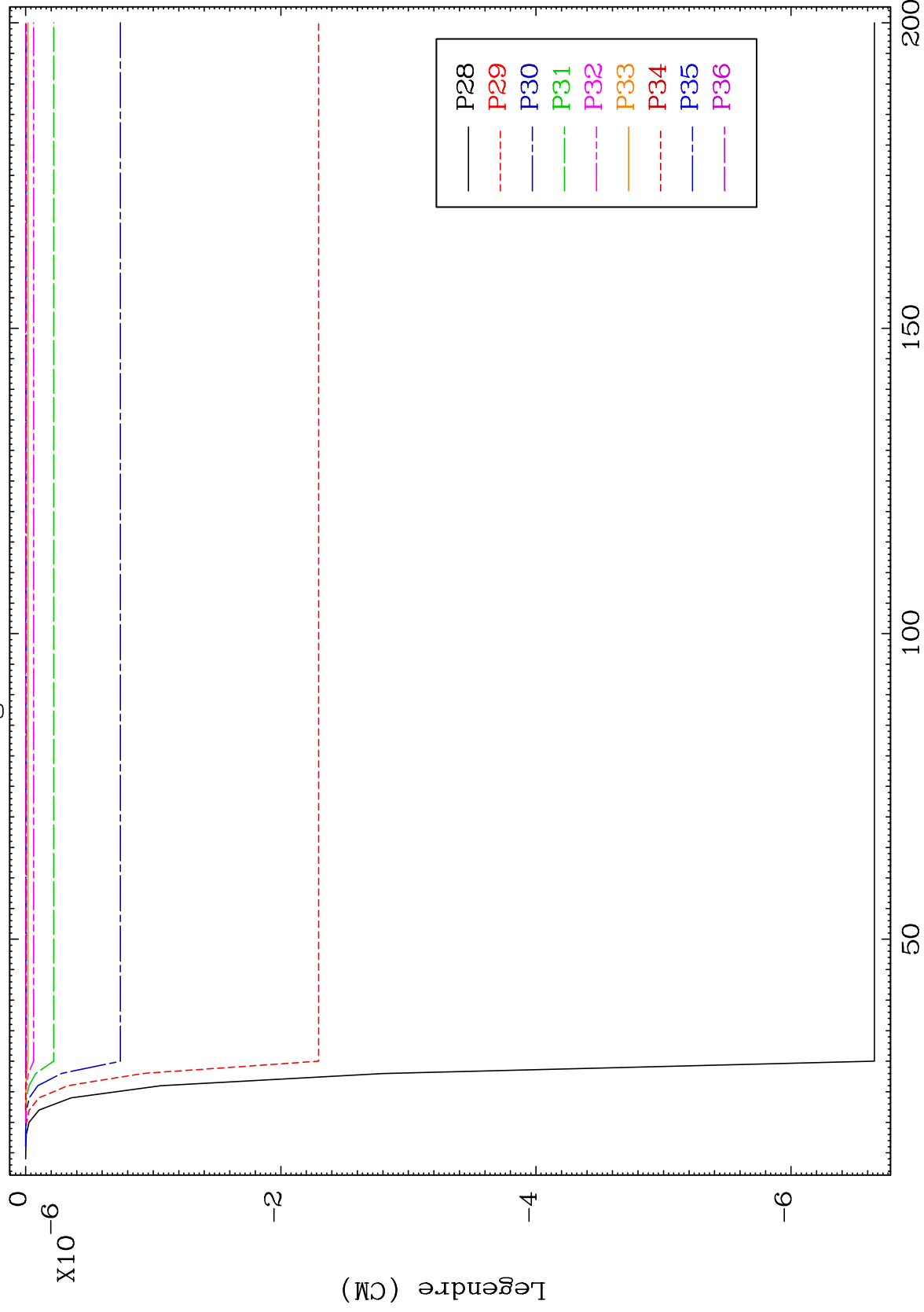
53-I -128



MAT 5328

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

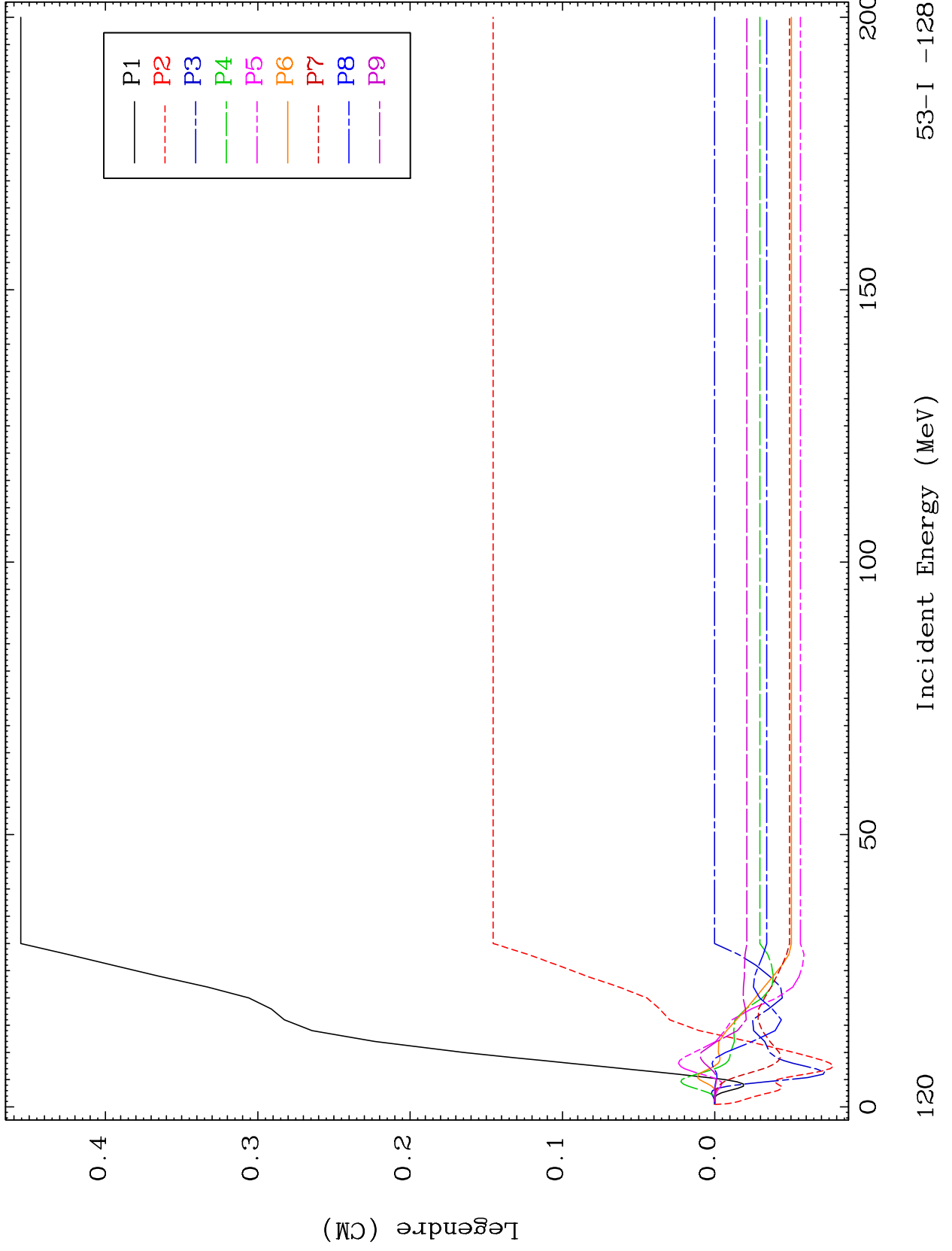
53-I -128



119

Incident Energy (MeV)

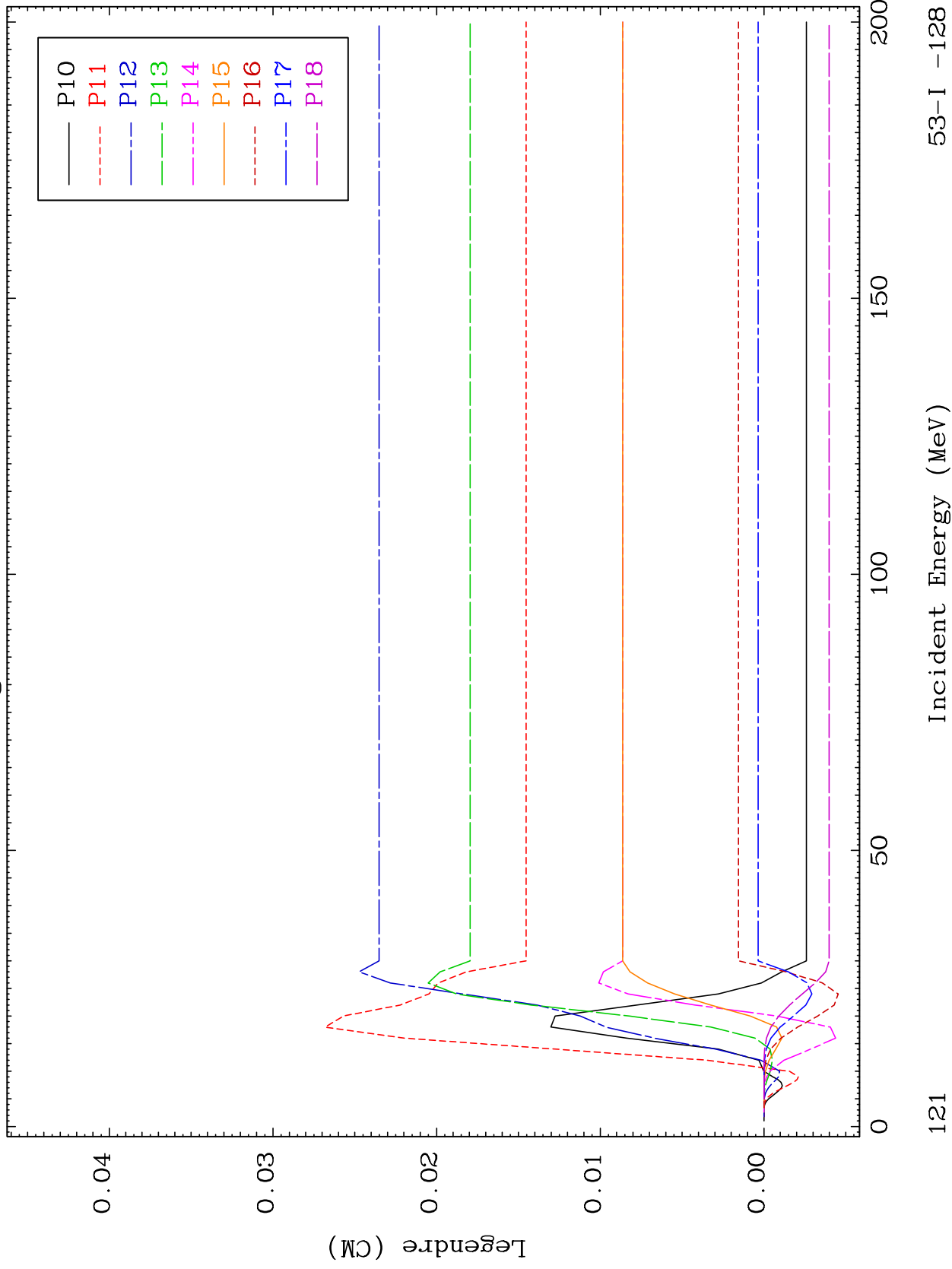
53-I -128



MAT 5328

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

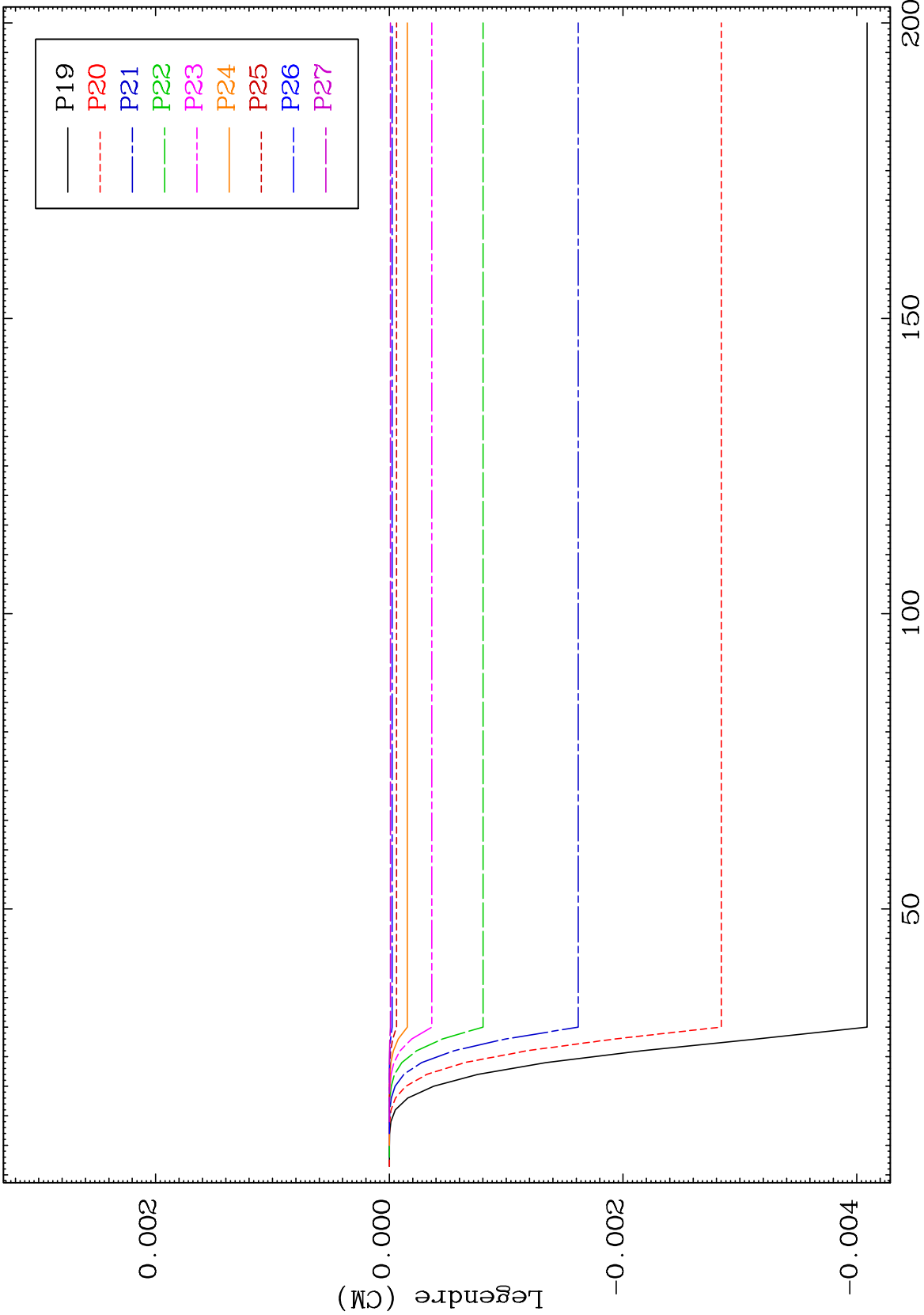
53-I -128



53-I -128

Incident Energy (MeV)

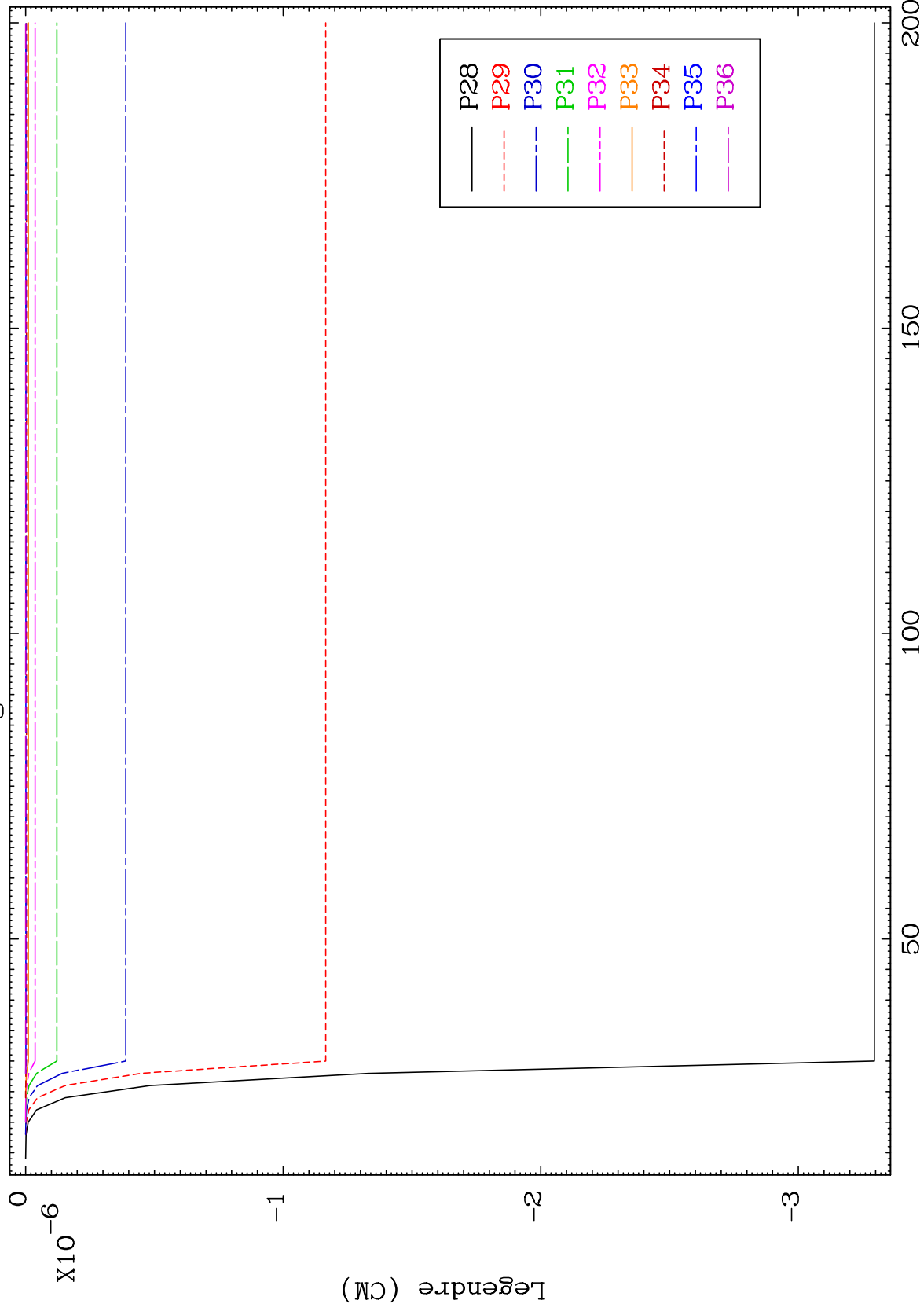
121



MAT 5328

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

53-I -128

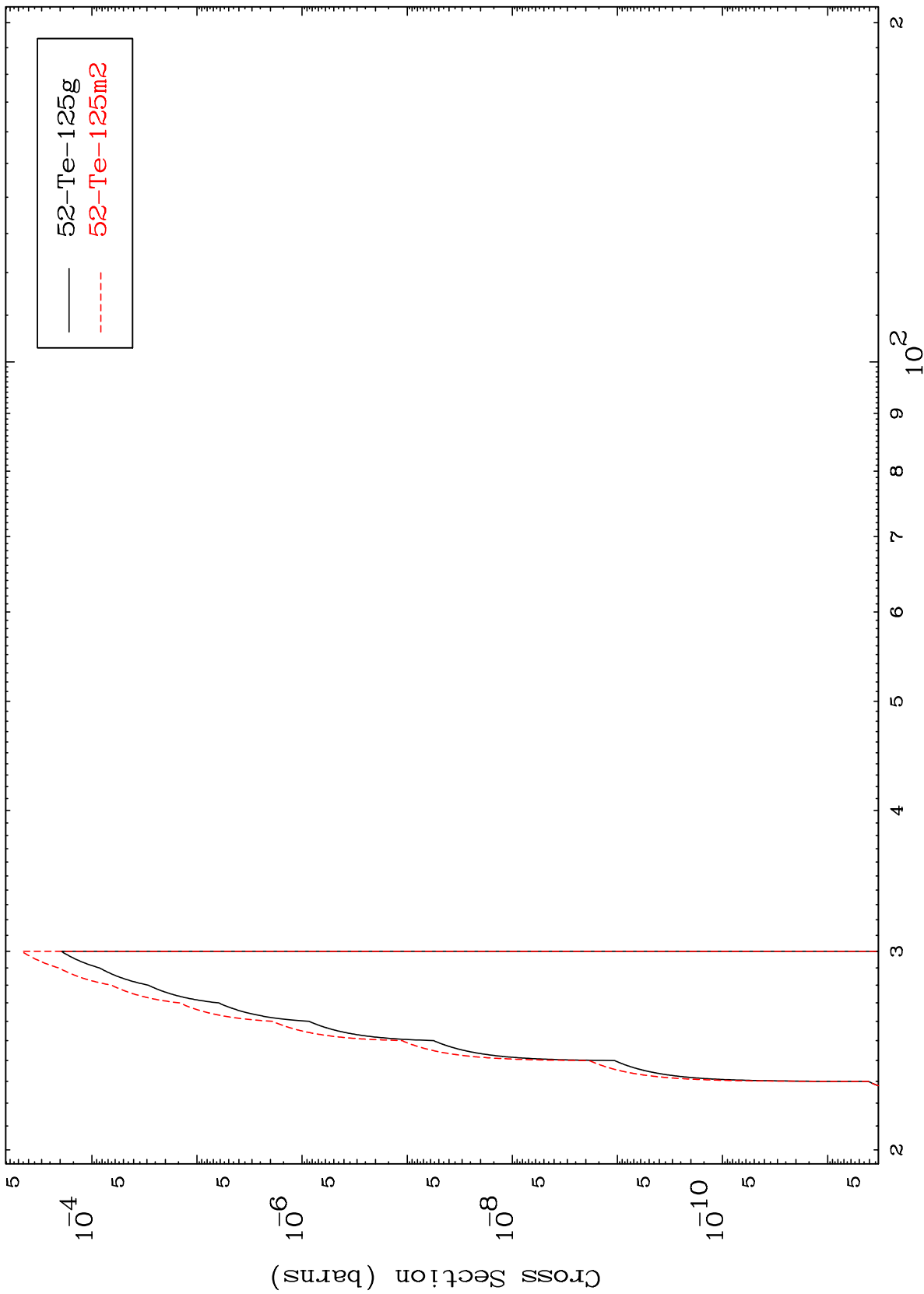


123

Incident Energy (MeV)

53-I -128

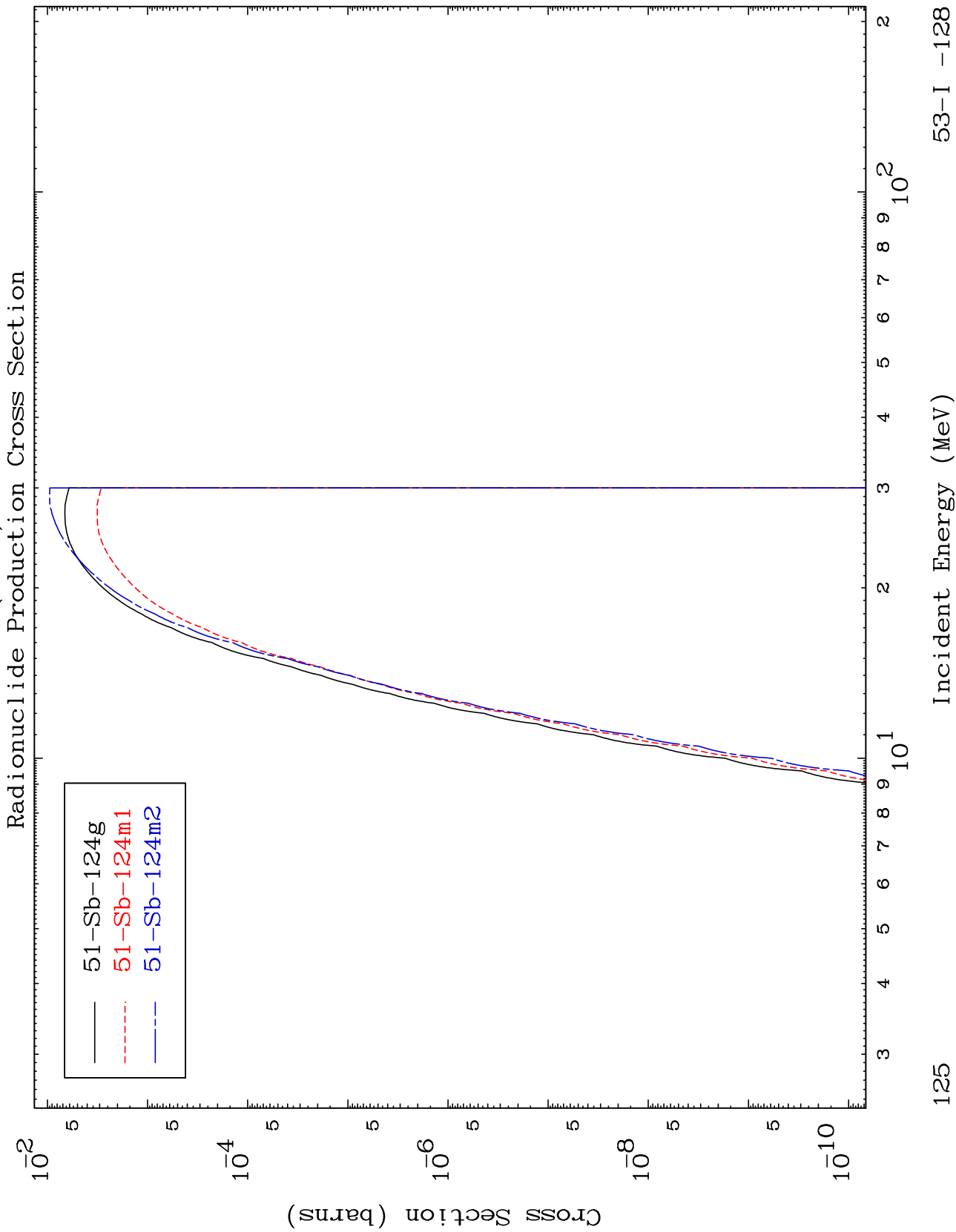
Radionuclide Production Cross Section



MAT 5328

(n,n')  $\alpha$

53-I -128



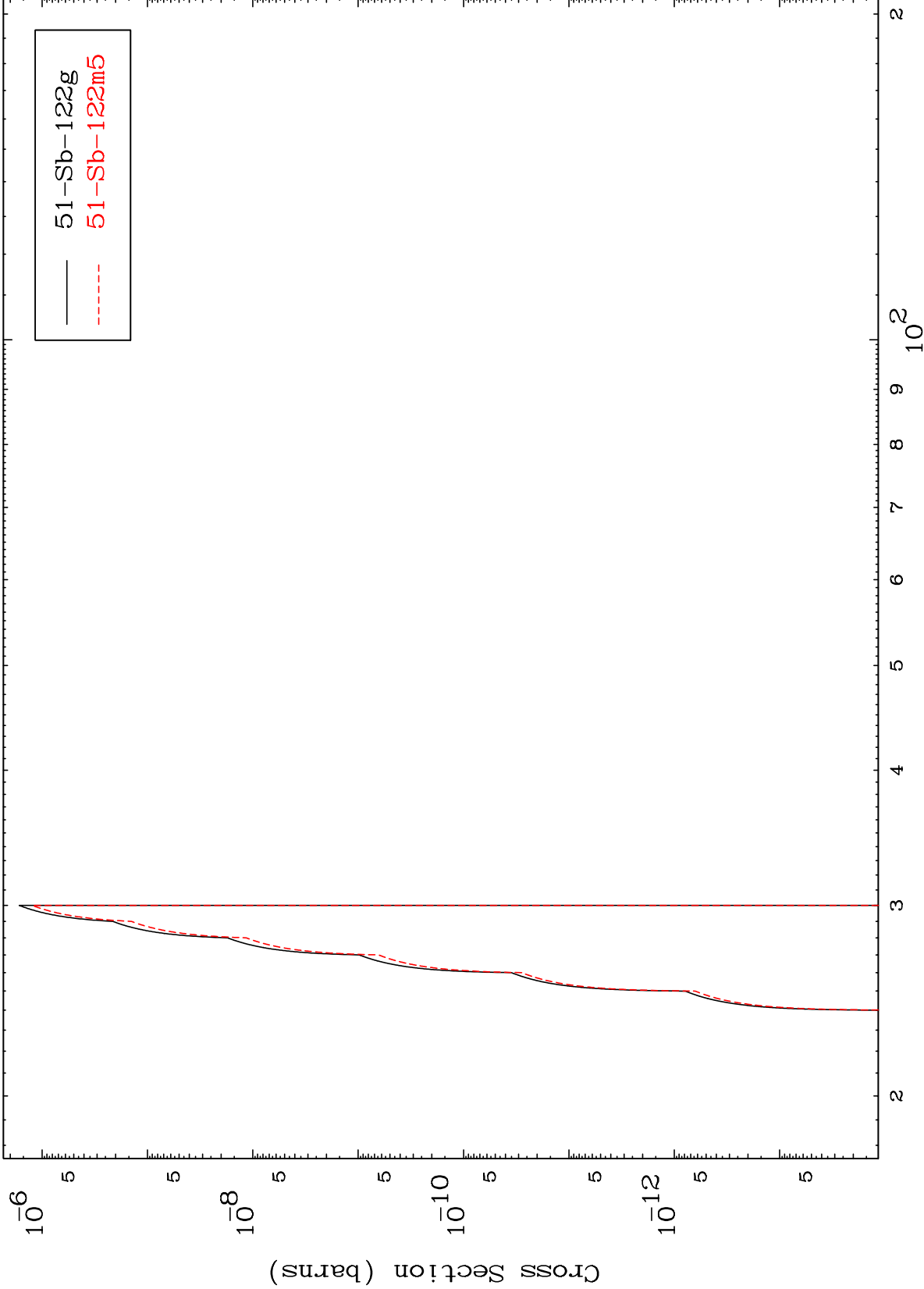
51-Sb-124g  
51-Sb-124m1  
51-Sb-124m2

125

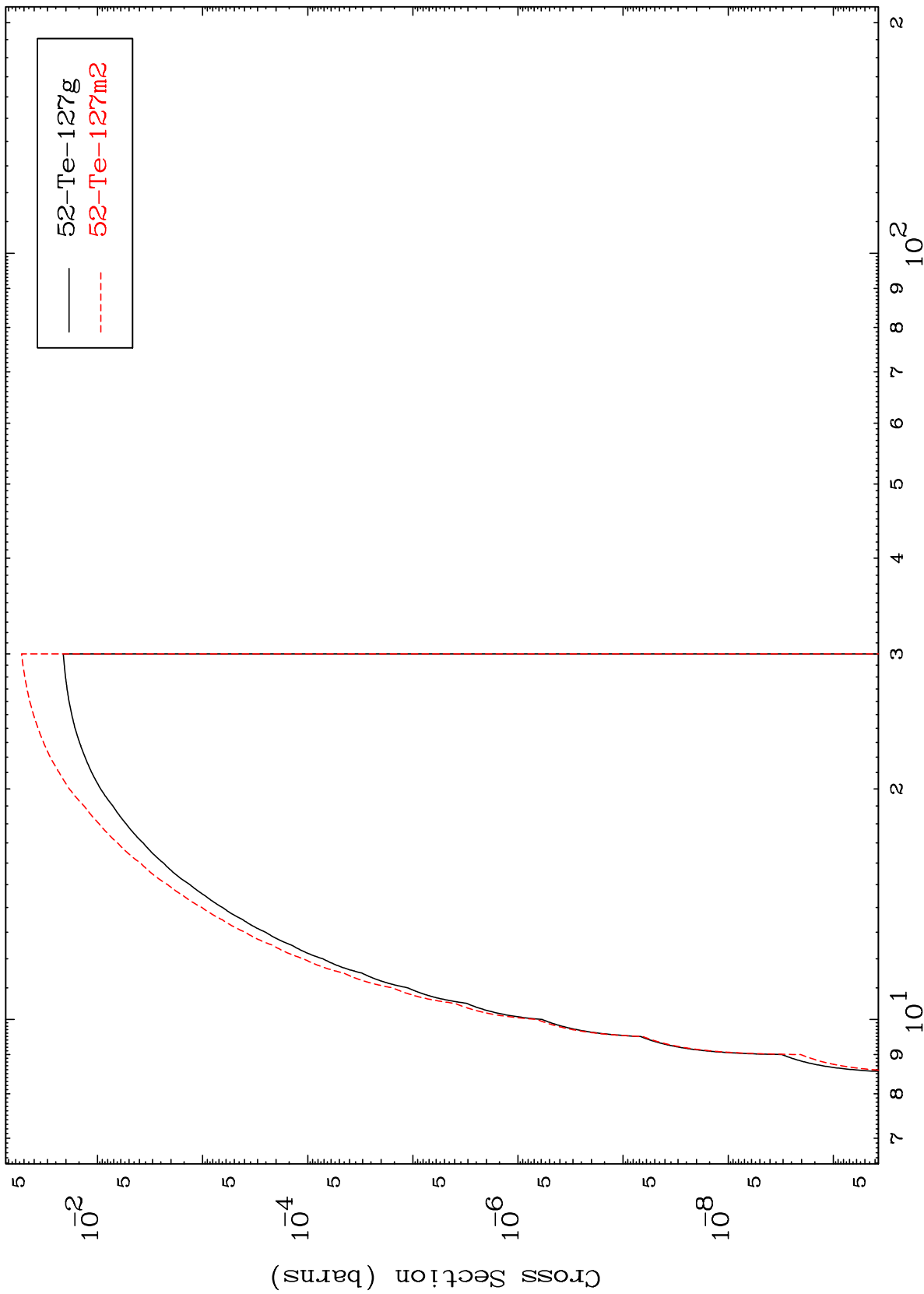
Incident Energy (MeV)

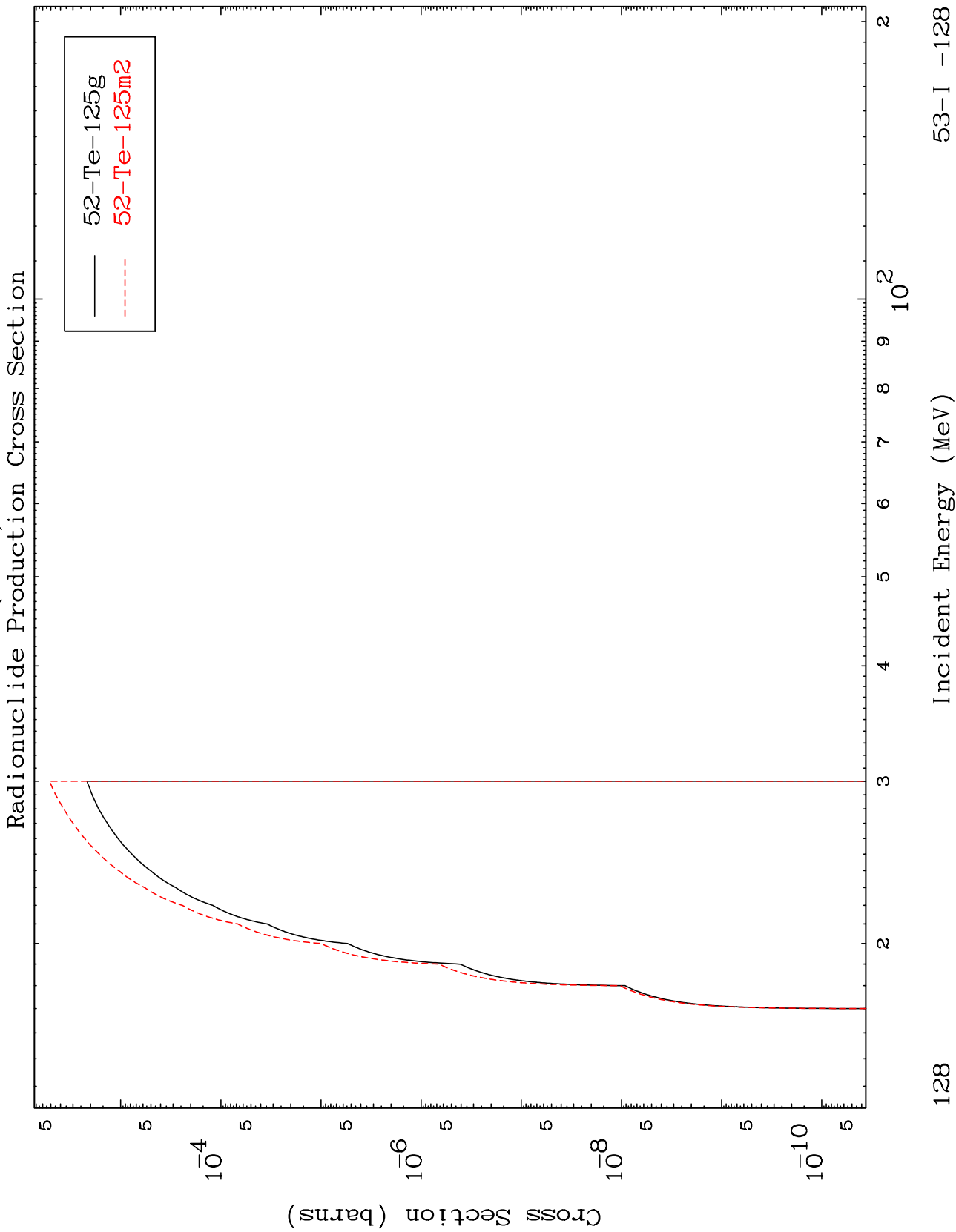
53-I -128

Radionuclide Production Cross Section

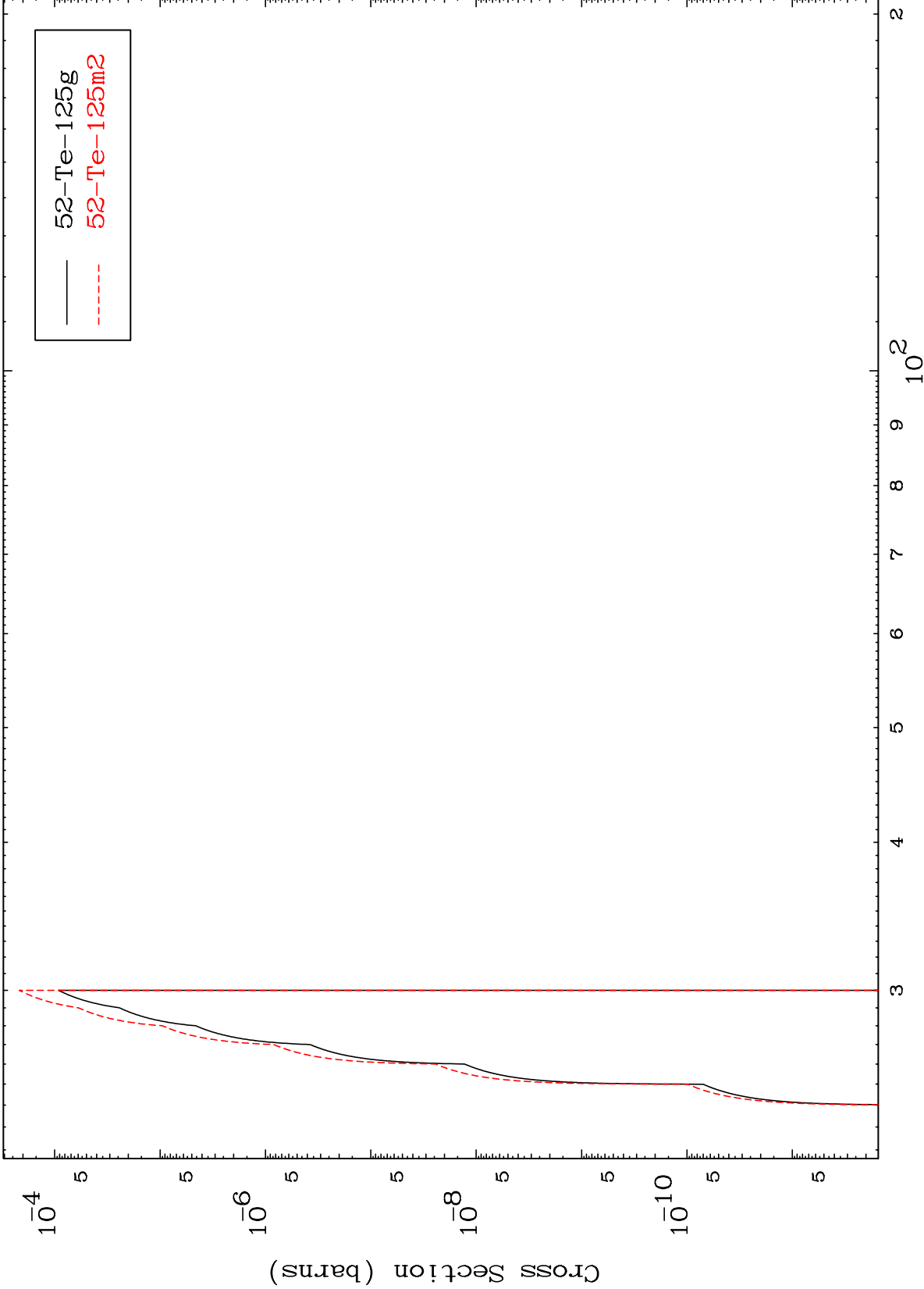


Radionuclide Production Cross Section



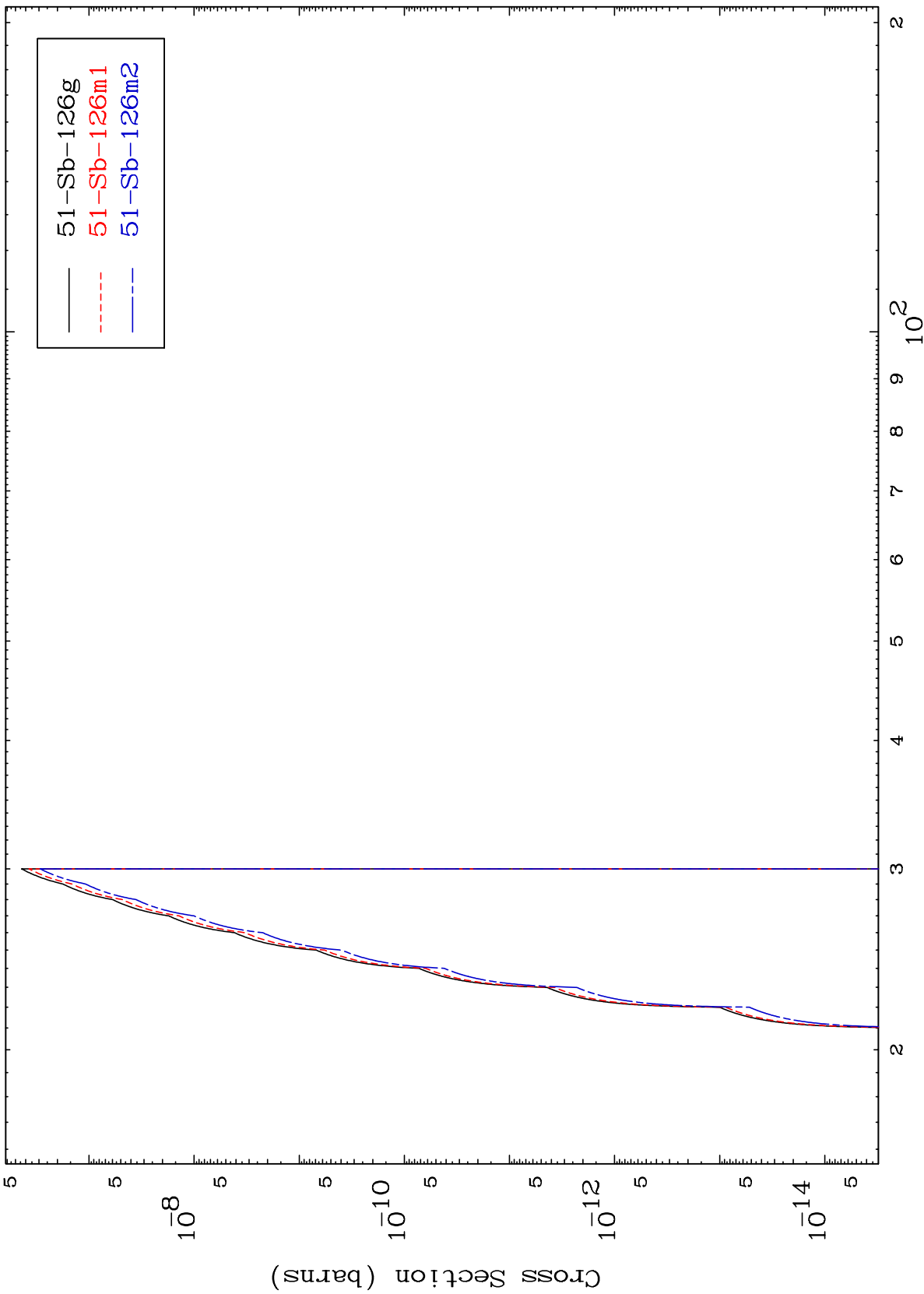


Radionuclide Production Cross Section



52-Te-125g  
52-Te-125m2

Radionuclide Production Cross Section



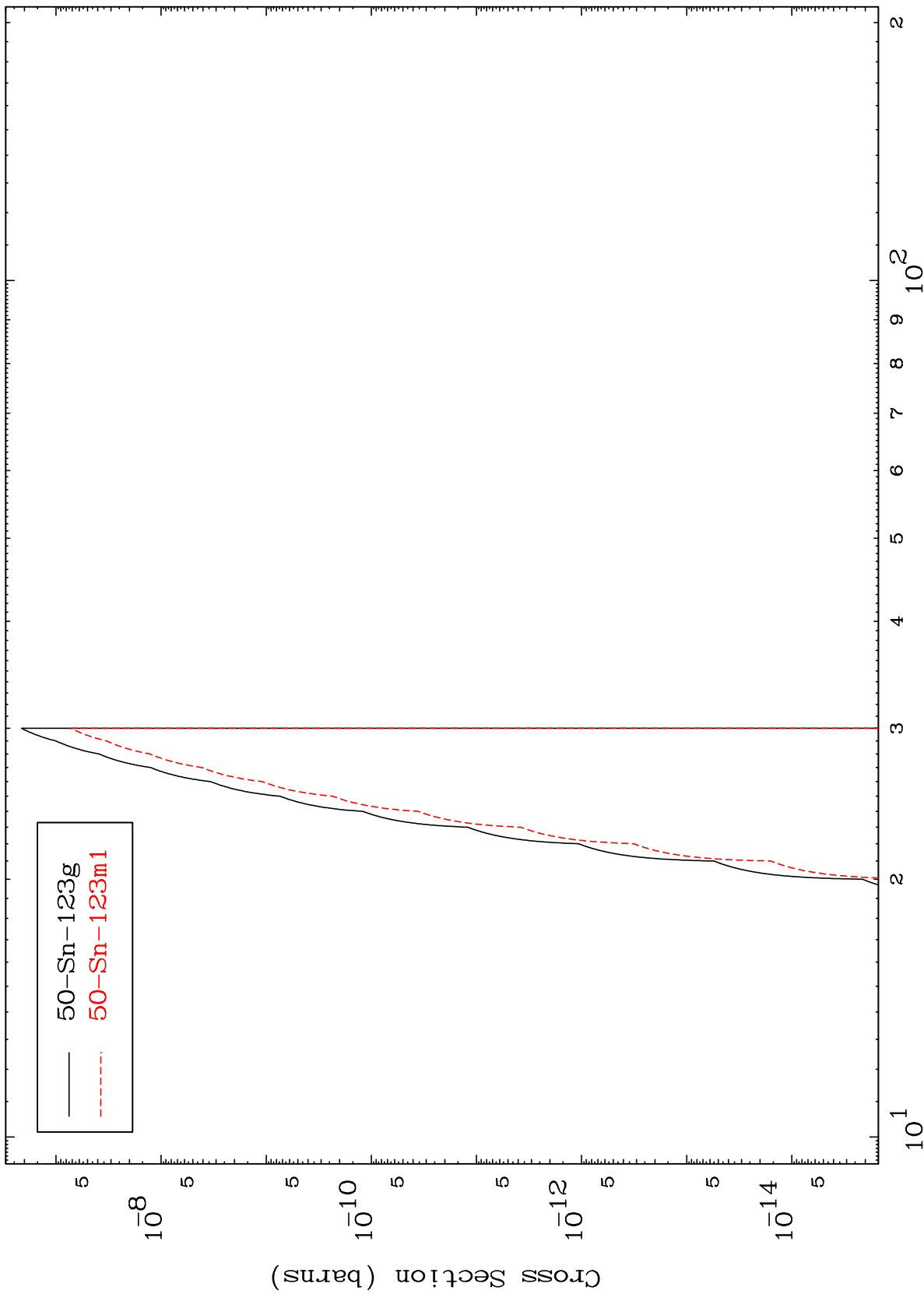
51-Sb-126g  
51-Sb-126m1  
51-Sb-126m2

MAT 5328

(n,n') p  $\alpha$

53-I -128

Radionuclide Production Cross Section



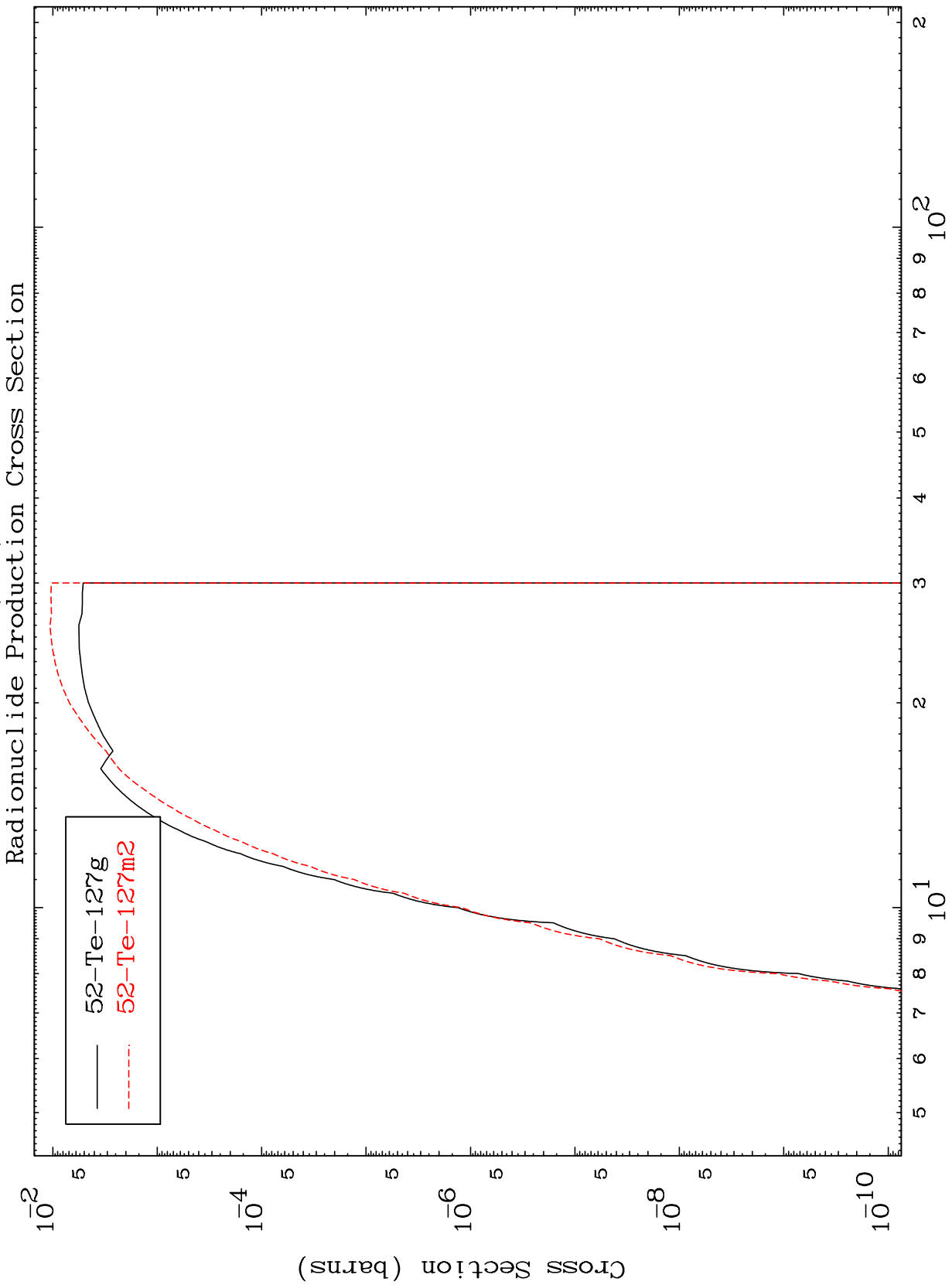
131

Incident Energy (MeV)

53-I -128

MAT 5328

53-I -128

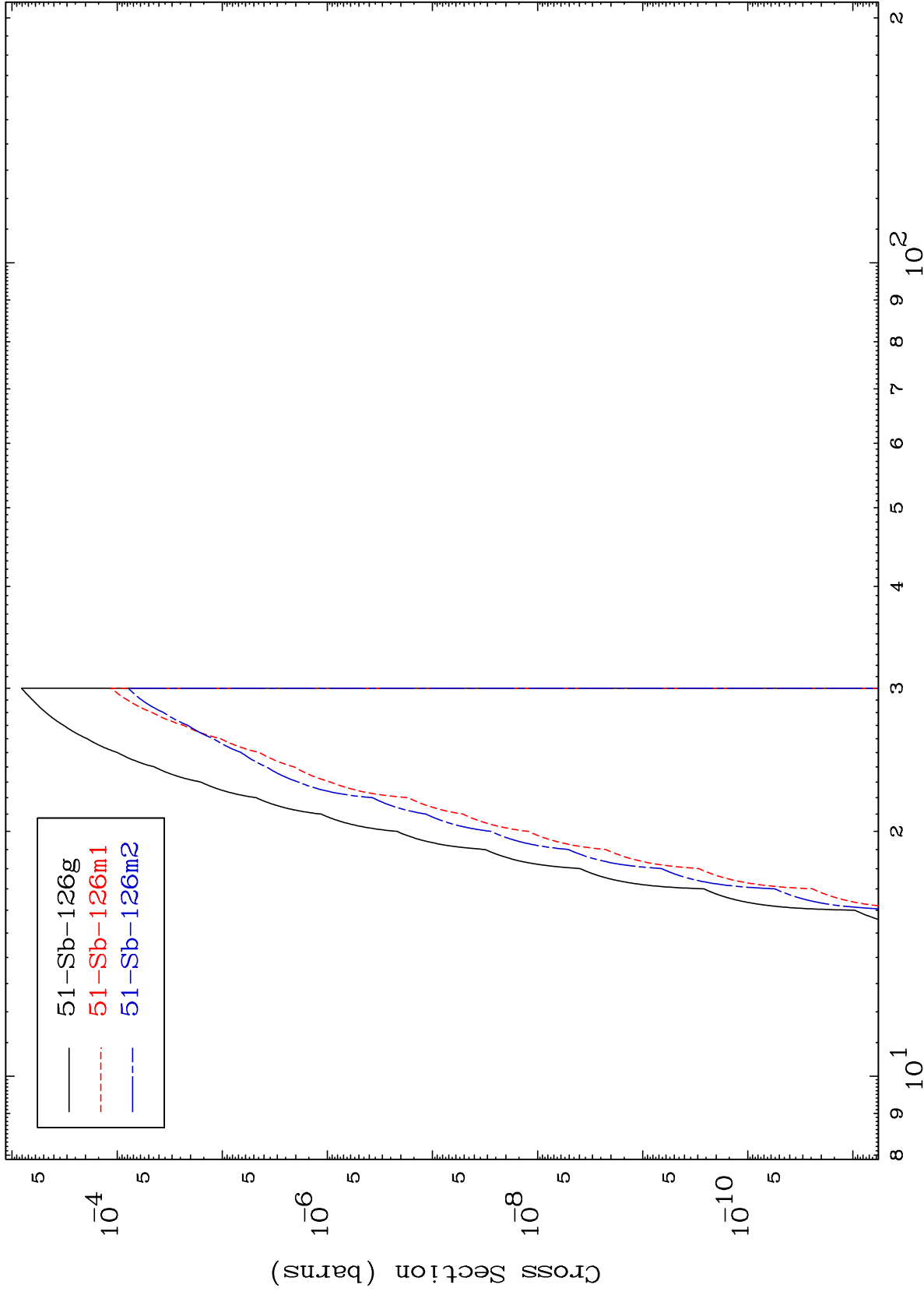


132

Incident Energy (MeV)

53-I -128

Radionuclide Production Cross Section

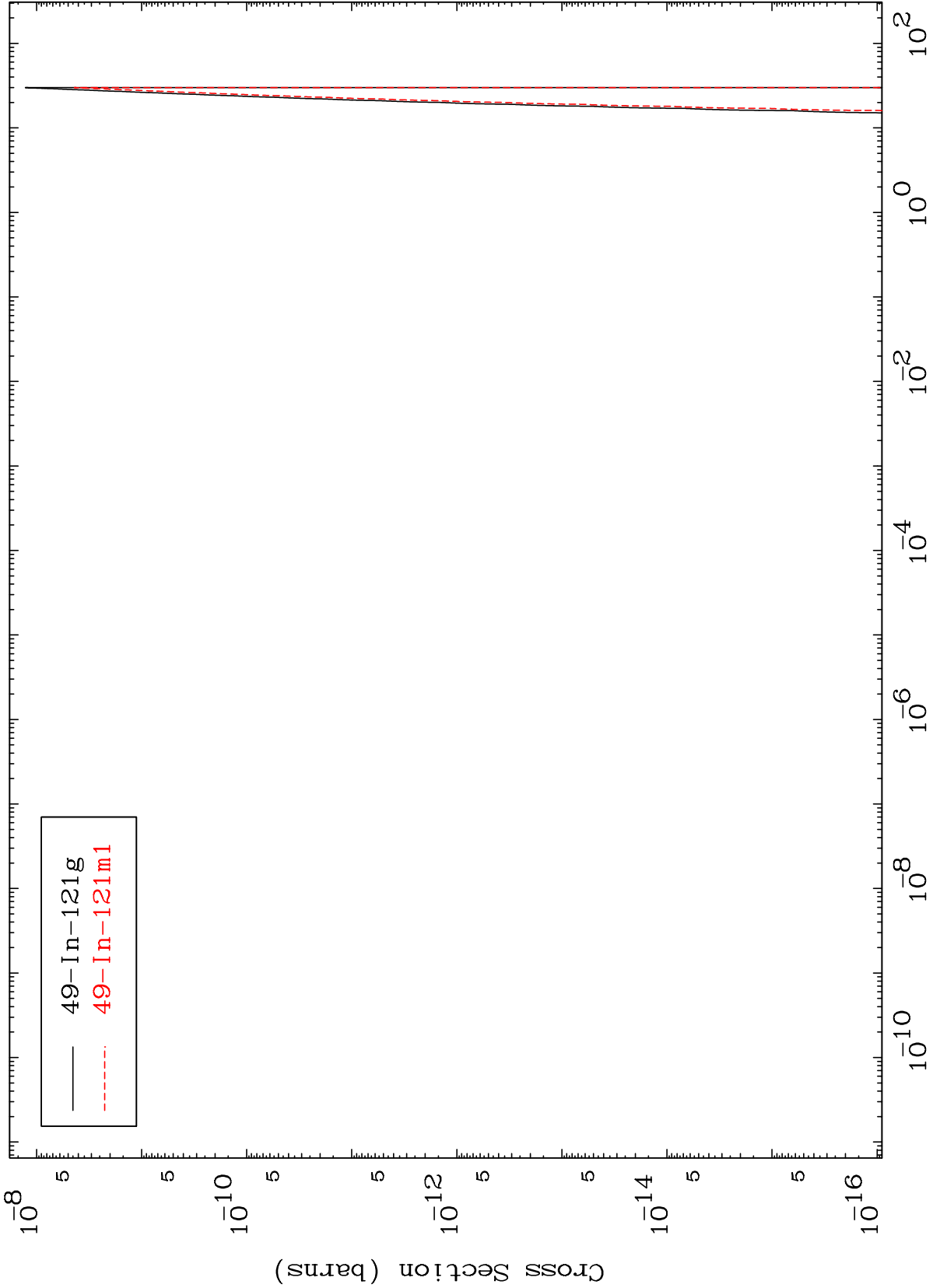


MAT 5328

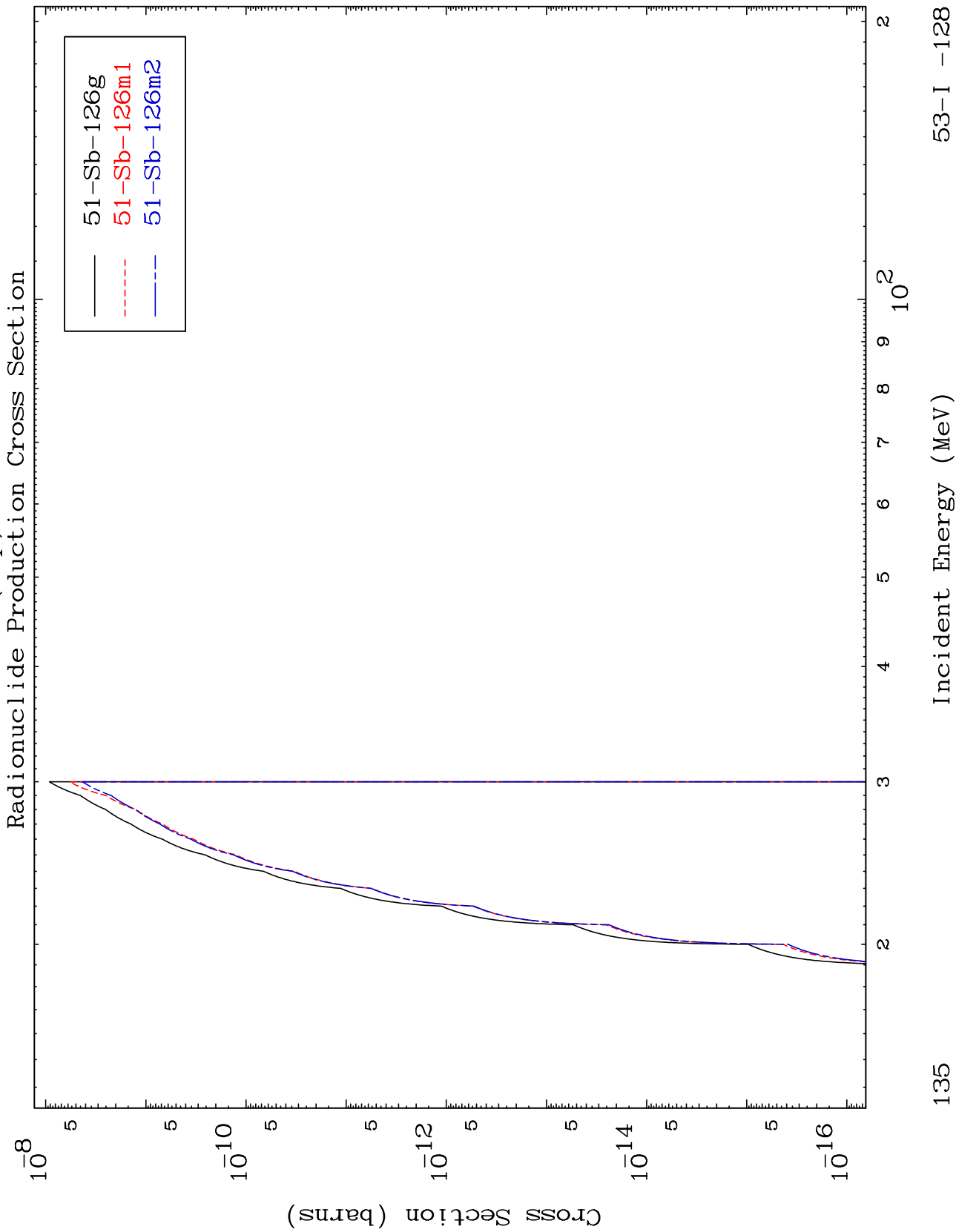
(n,2α)

53-I -128

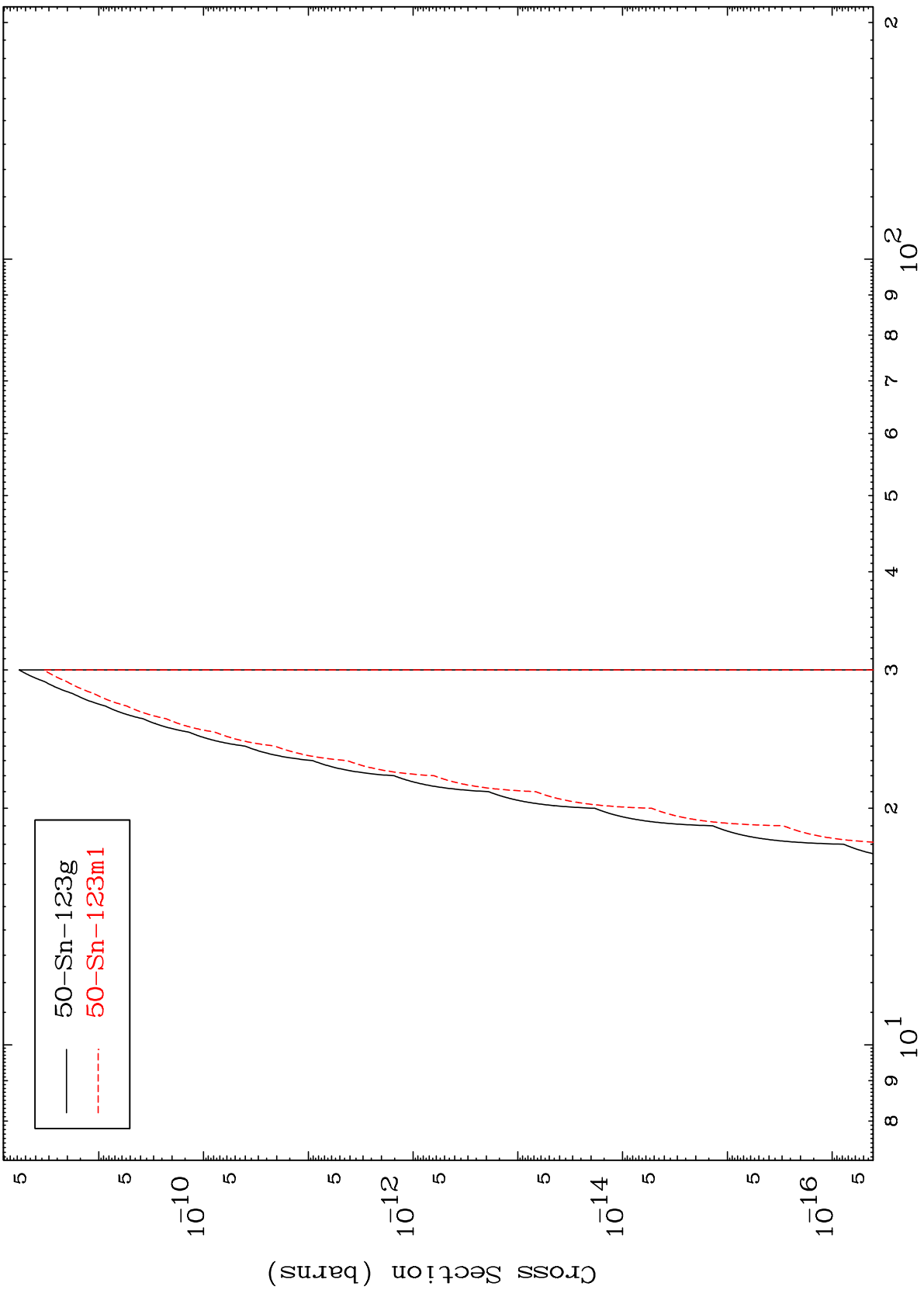
Radionuclide Production Cross Section



— 49-In-121g  
- - - 49-In-121m1



Radionuclide Production Cross Section



— 50-Sn-123g  
- - - 50-Sn-123m1