

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

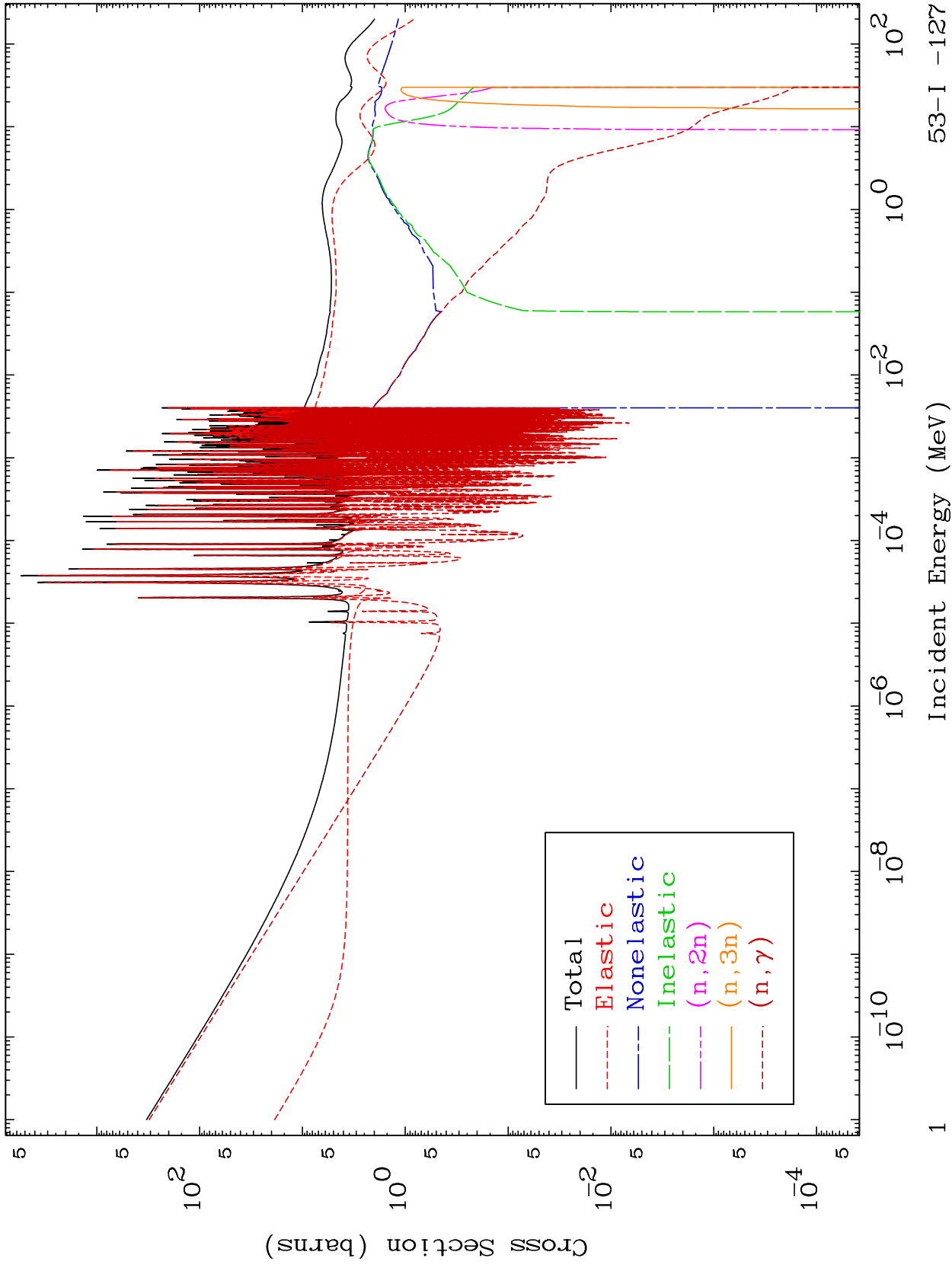
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

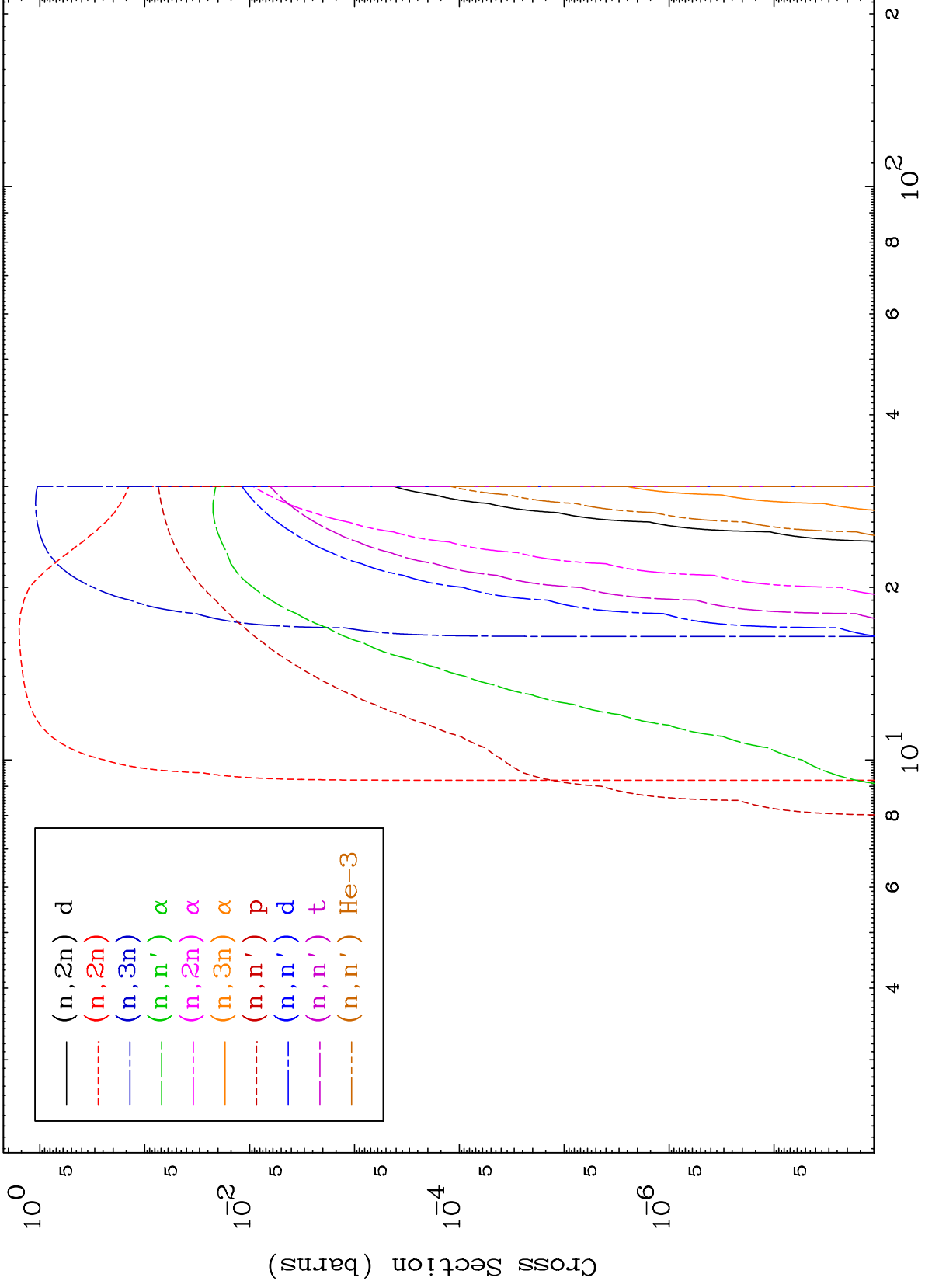
Tele: 925-443-1911

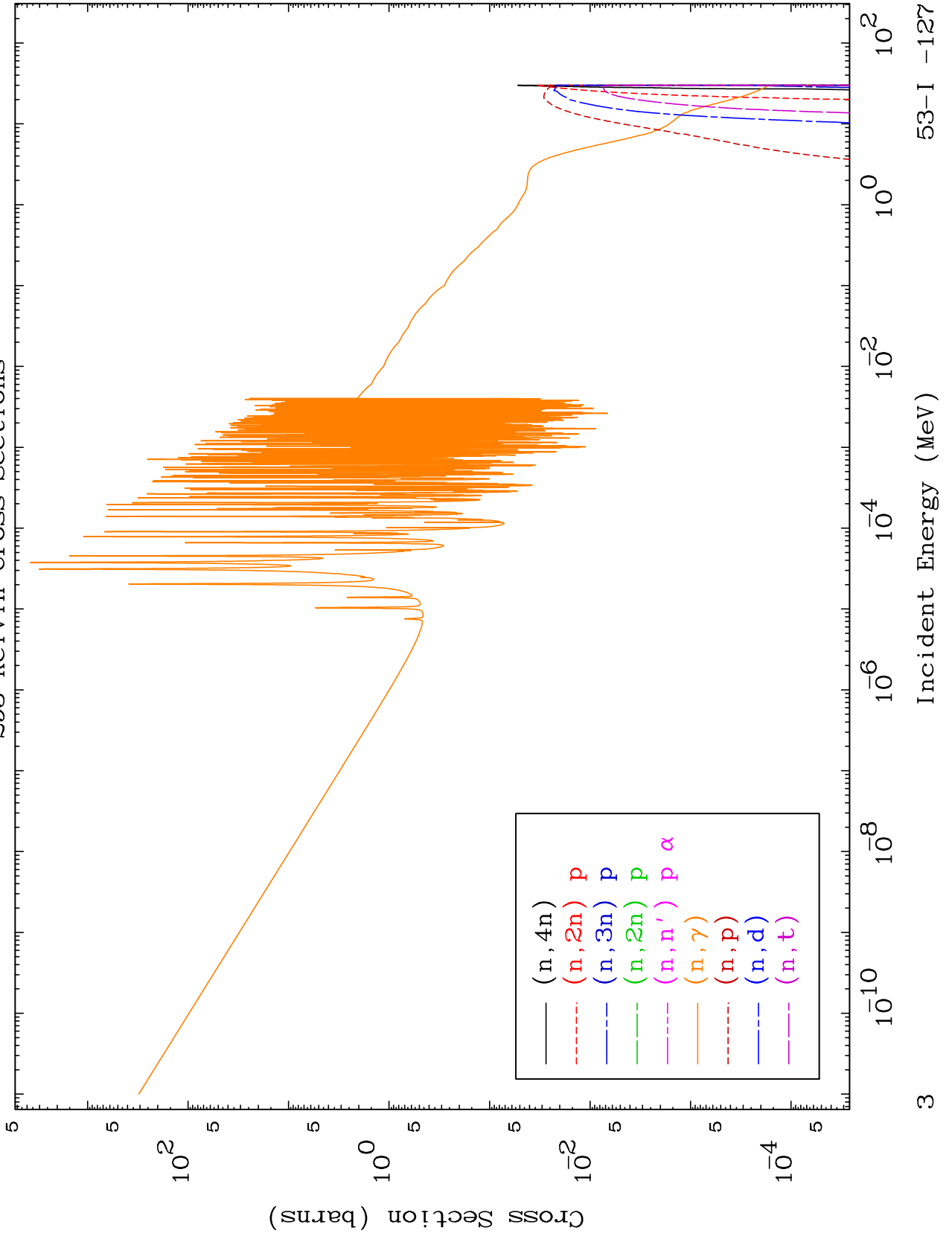
E.Mail:redcullen1@comcast.net

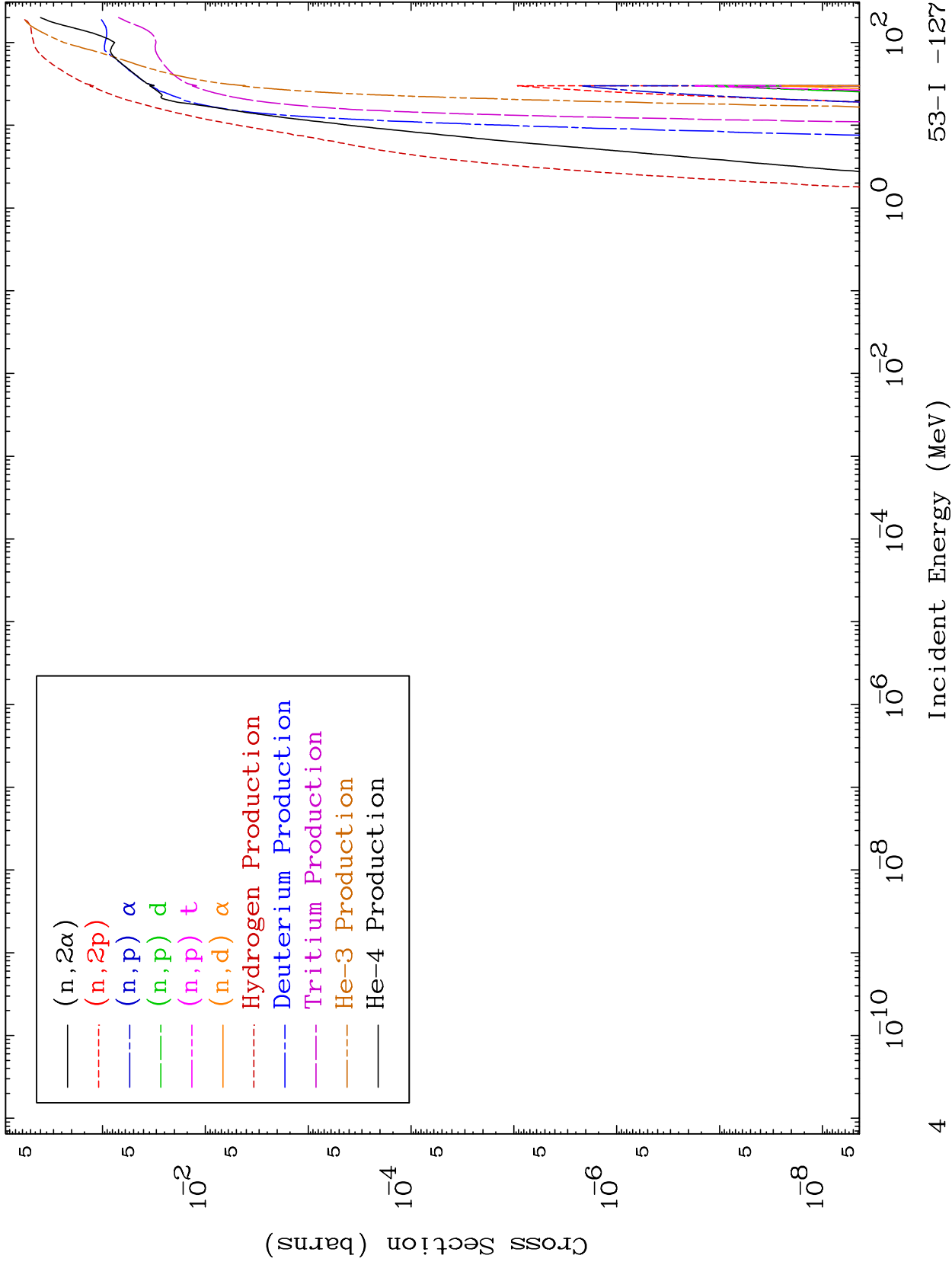
Web:redcullen1.net/HOMEPAGE.NEW

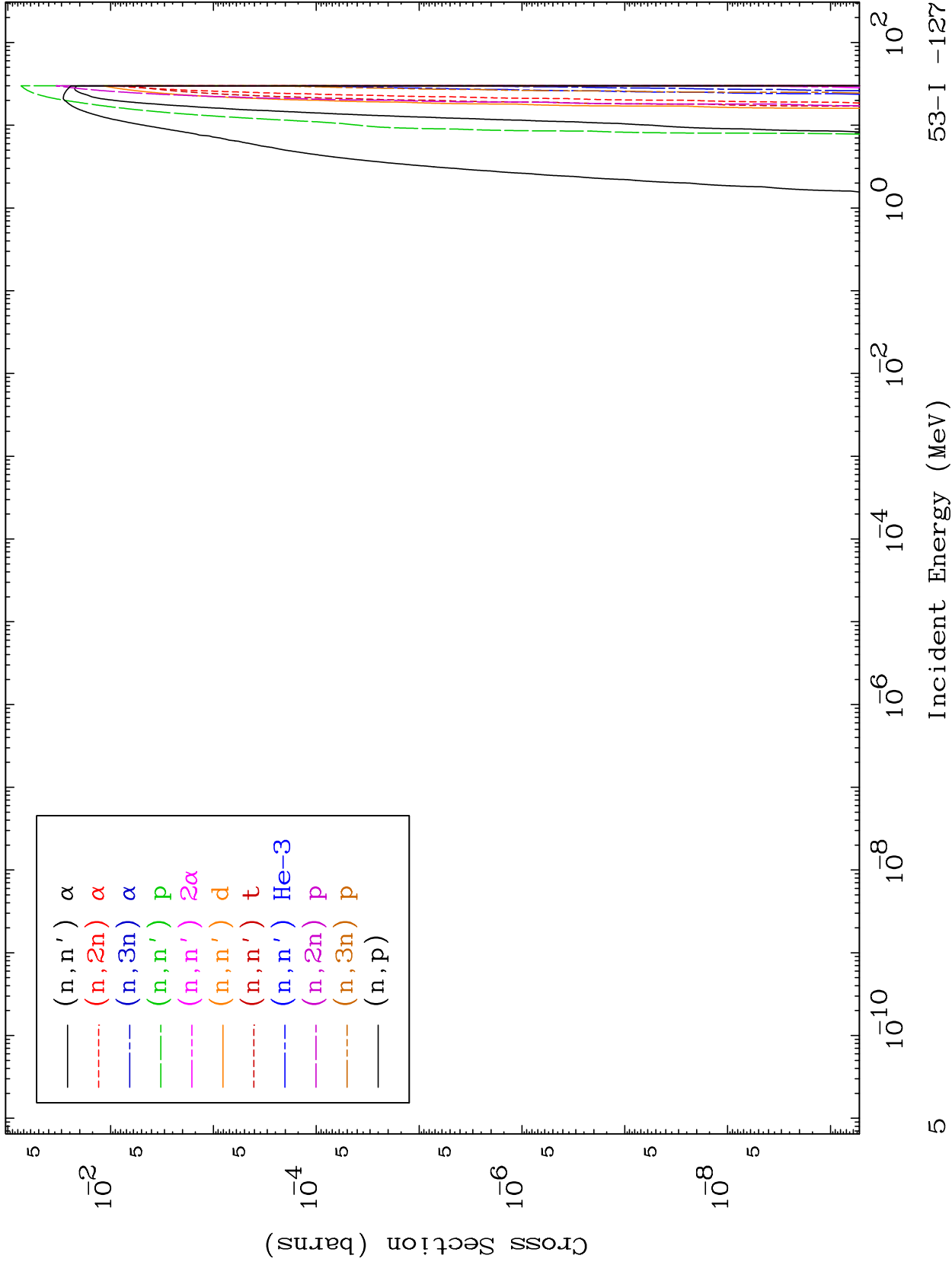
Press Mouse Button to Start

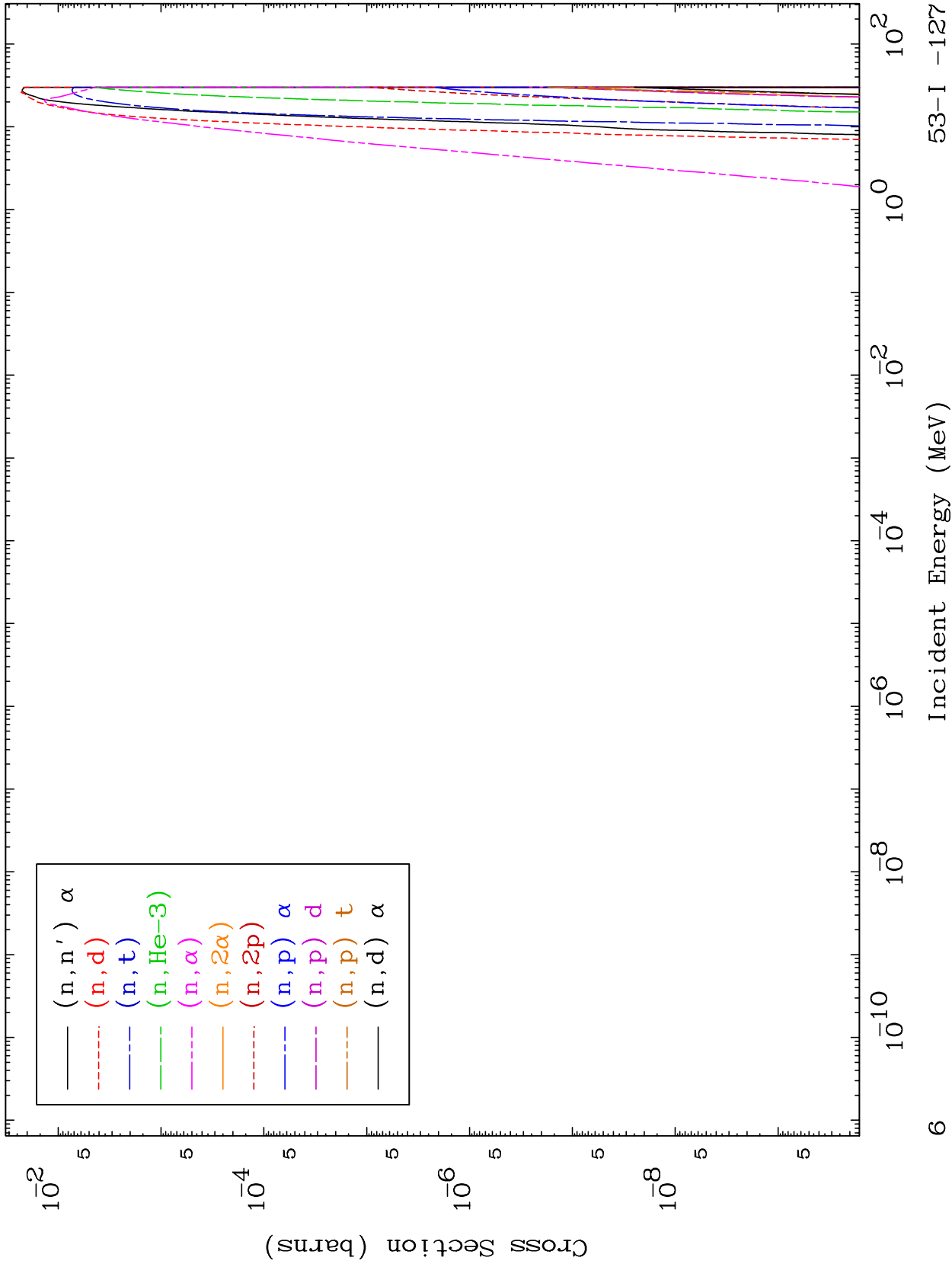


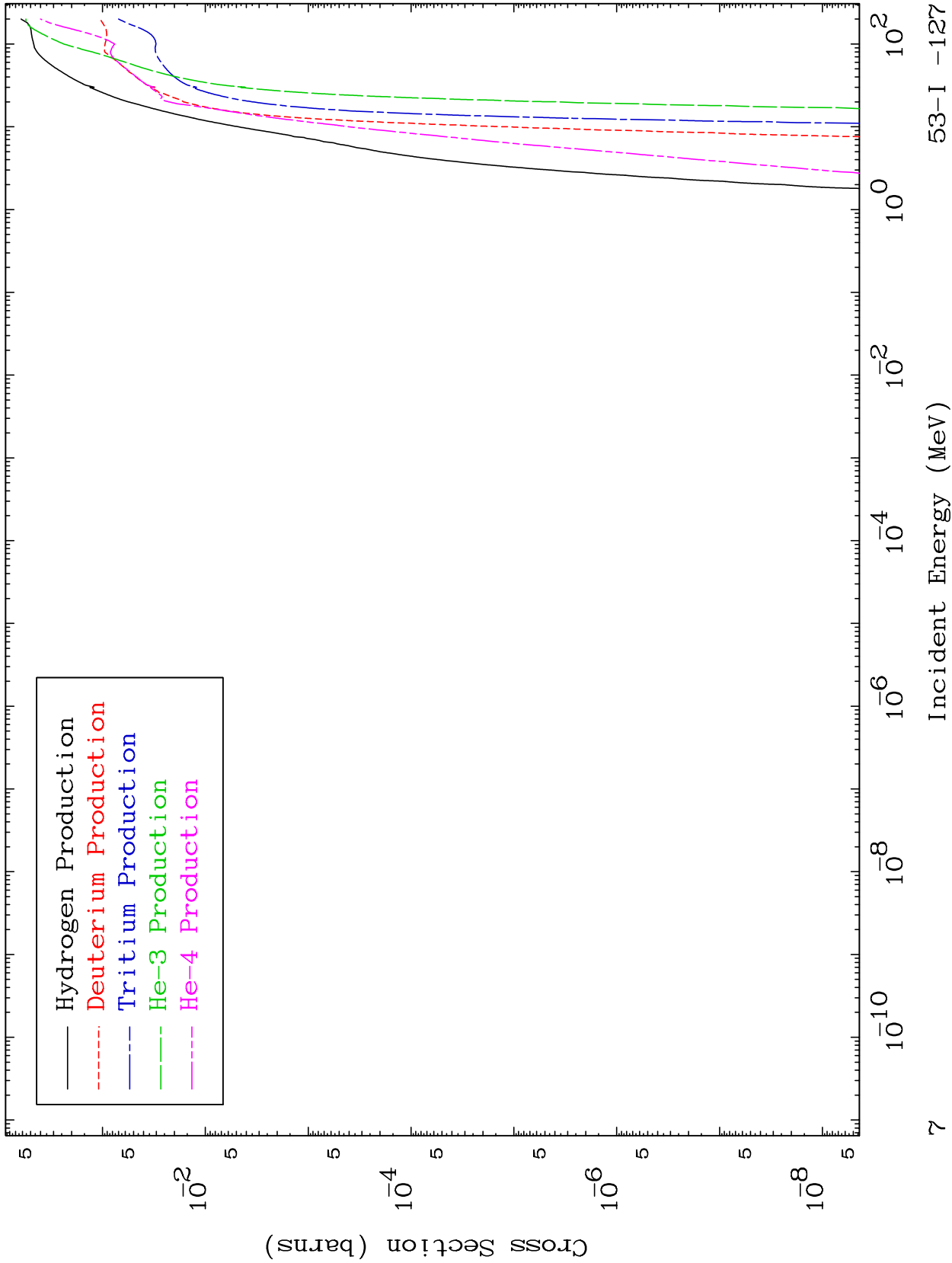








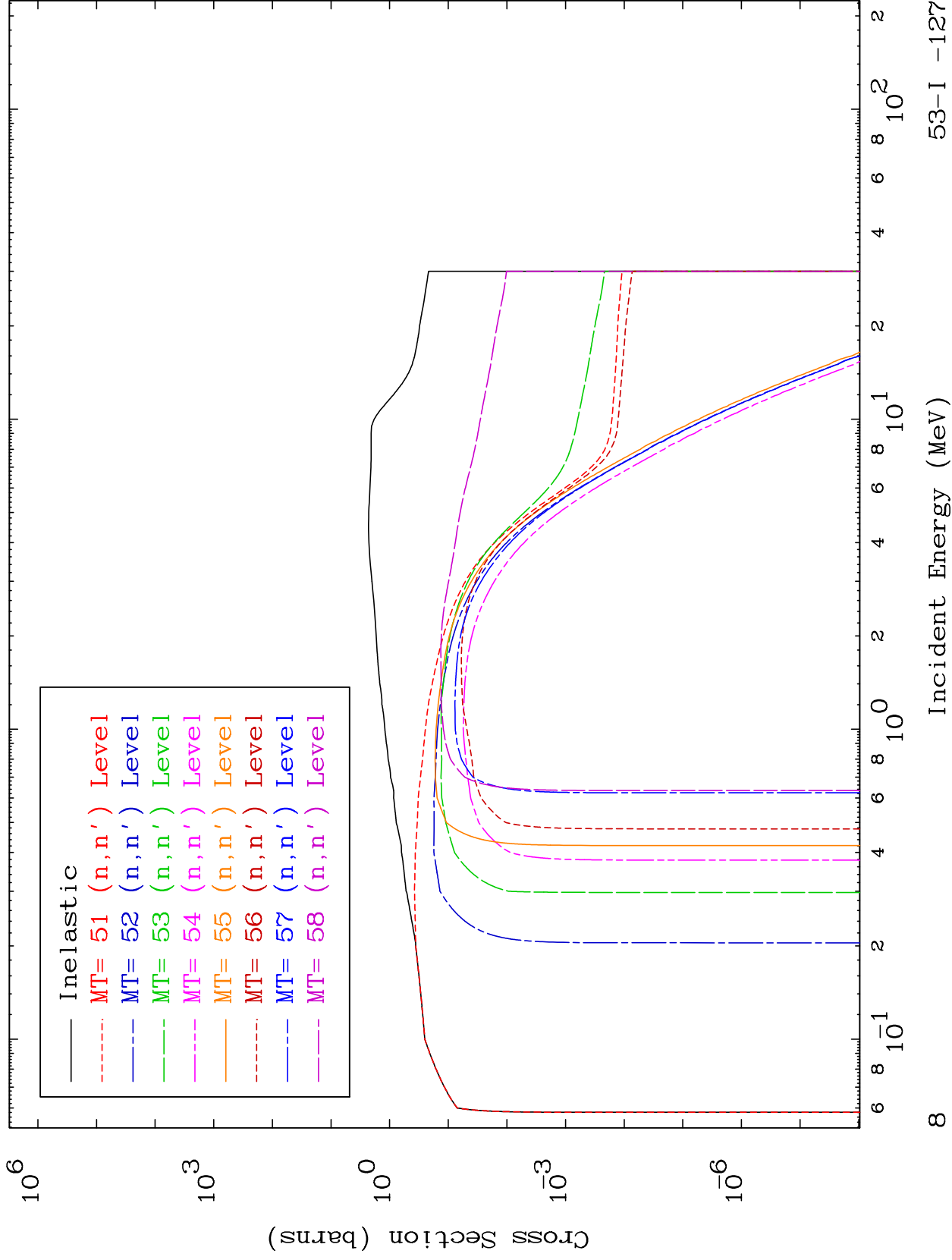


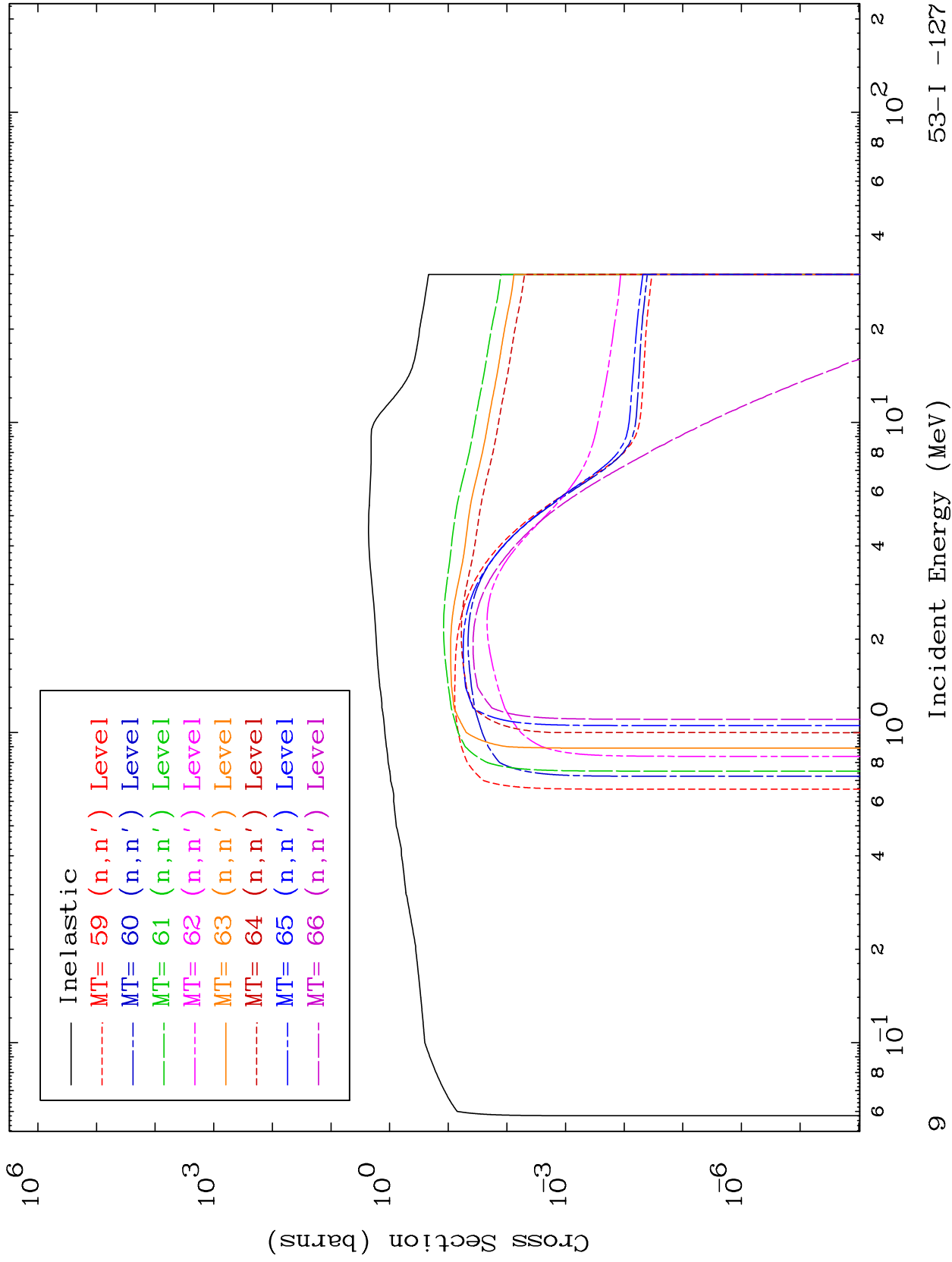


MAT 5325

(n,n') Levels  
293 Kelvin Cross Sections

53-I -127

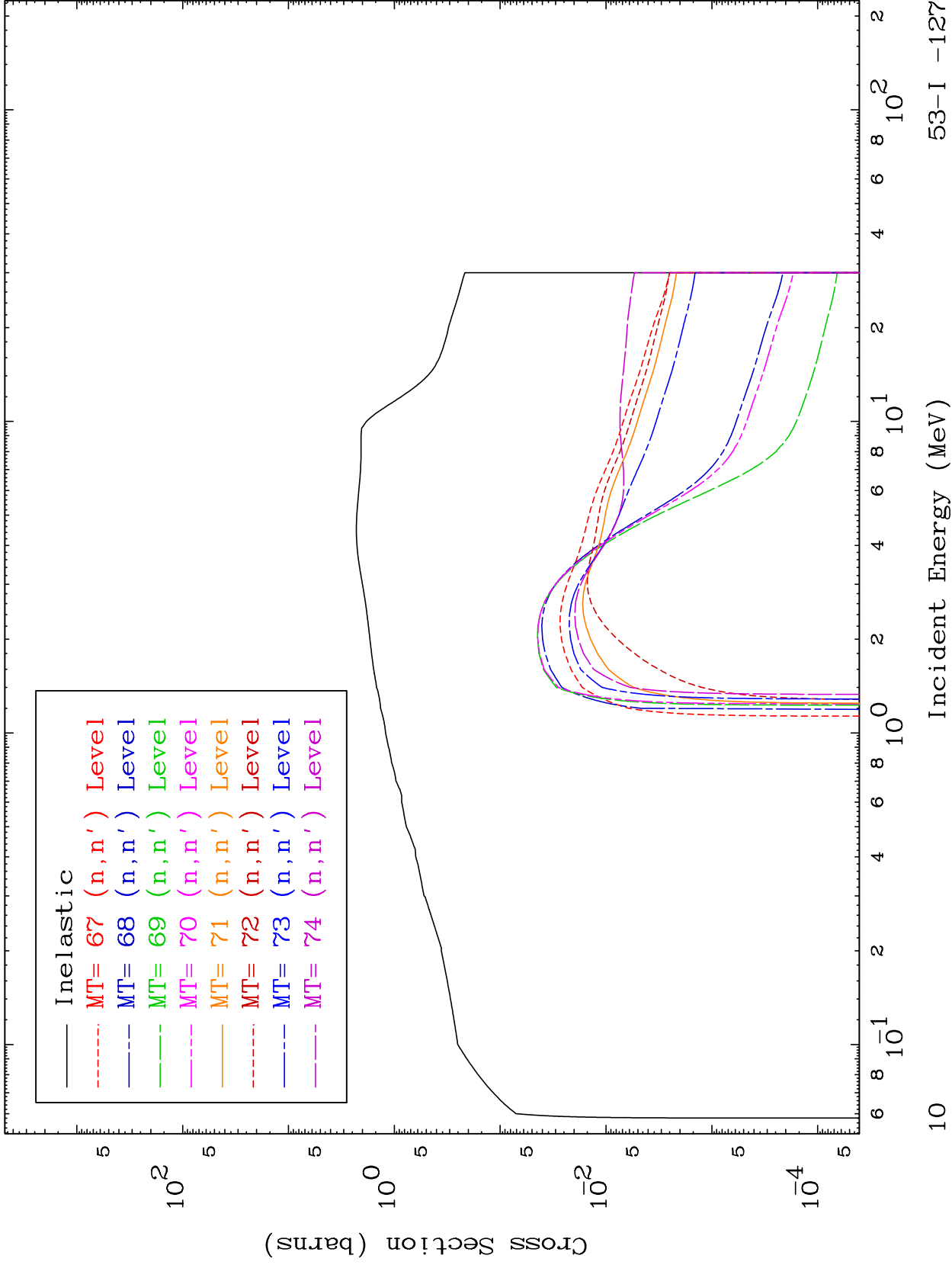




MAT 5325

(n,n') Levels  
293 Kelvin Cross Sections

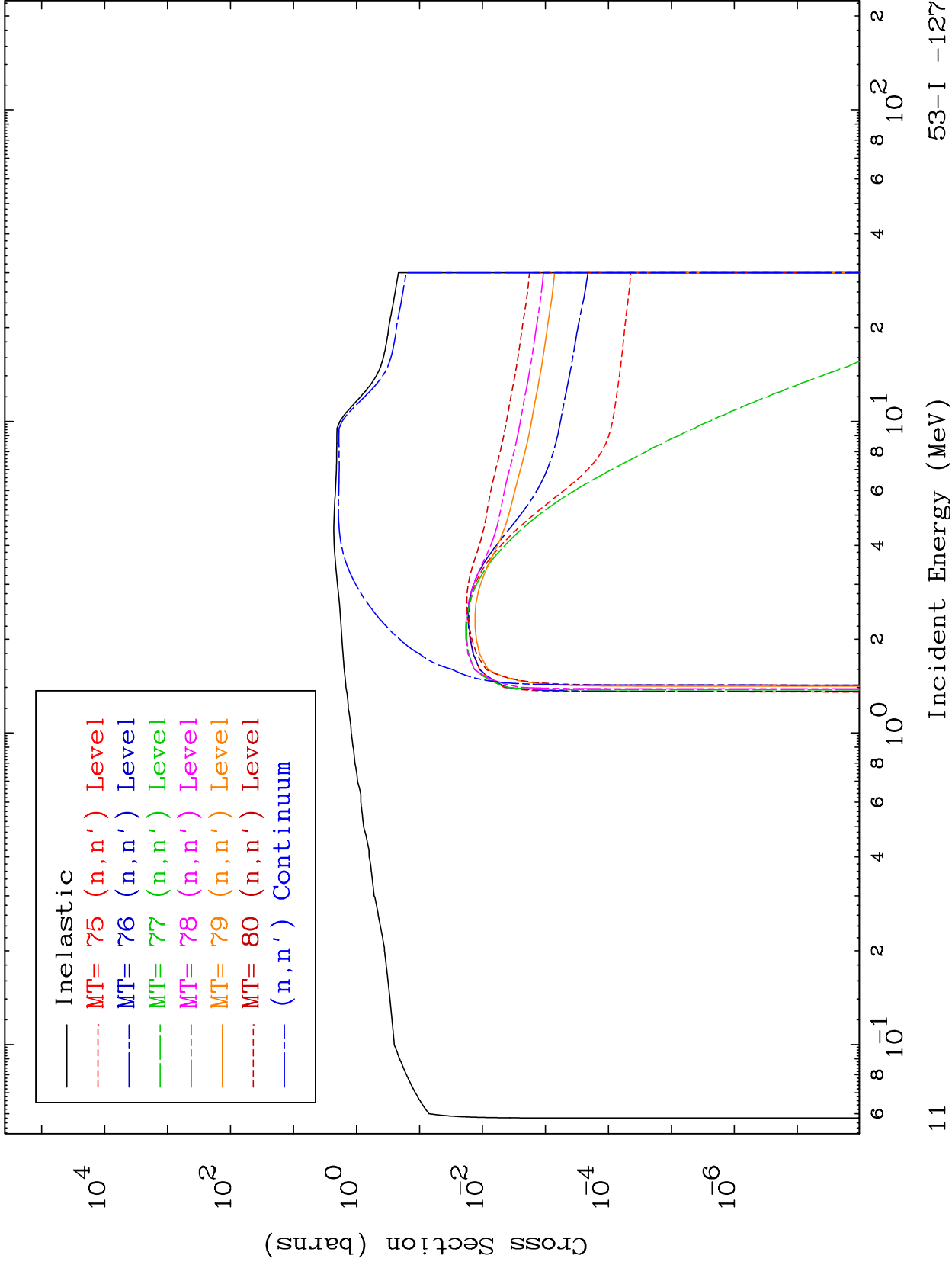
53-I -127



10

Incident Energy (MeV)

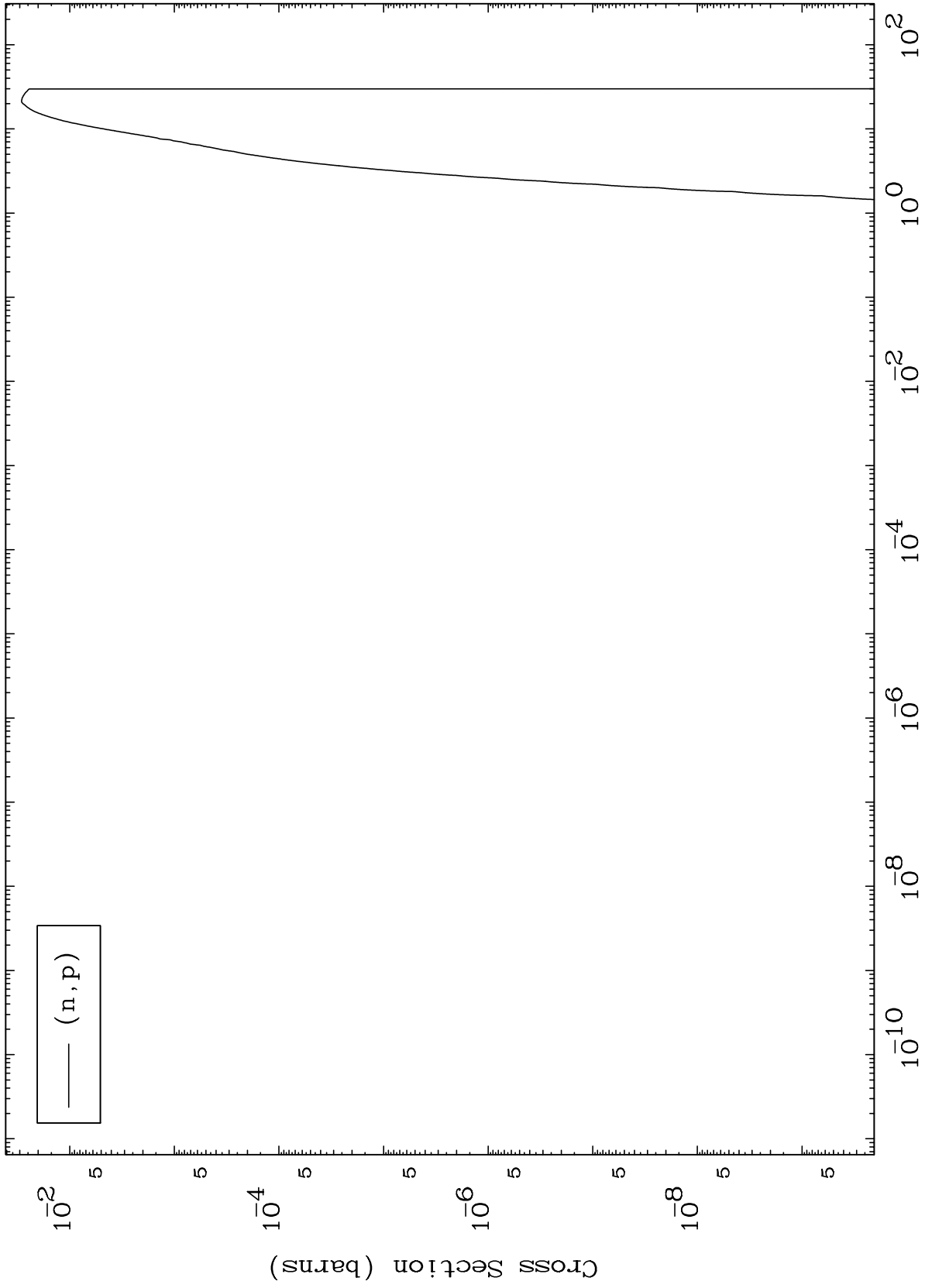
53-I -127



MAT 5325

(n,p) Levels  
293 Kelvin Cross Sections

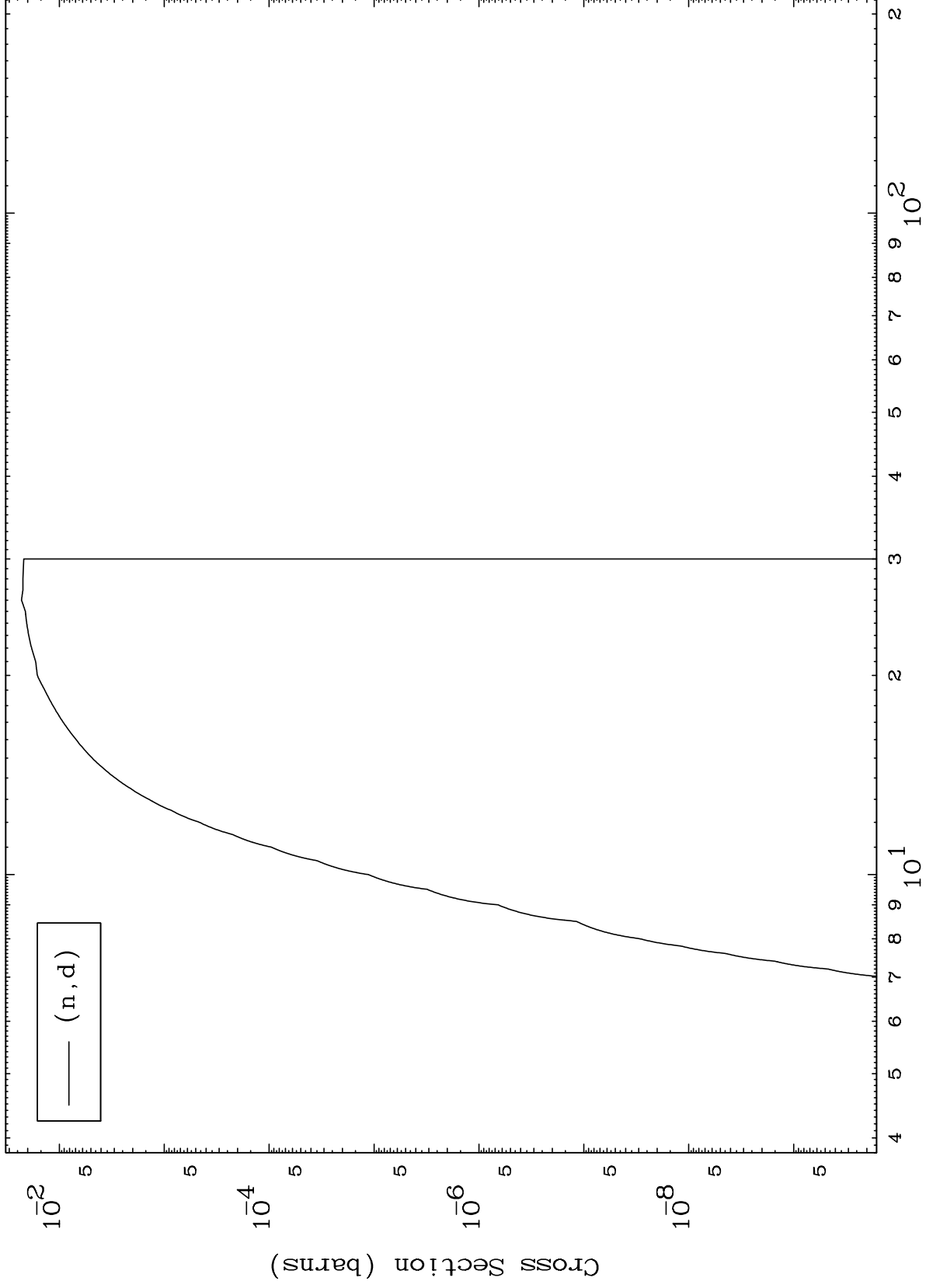
53-I -127



MAT 5325

(n,d) Levels  
293 Kelvin Cross Sections

53-I -127



13

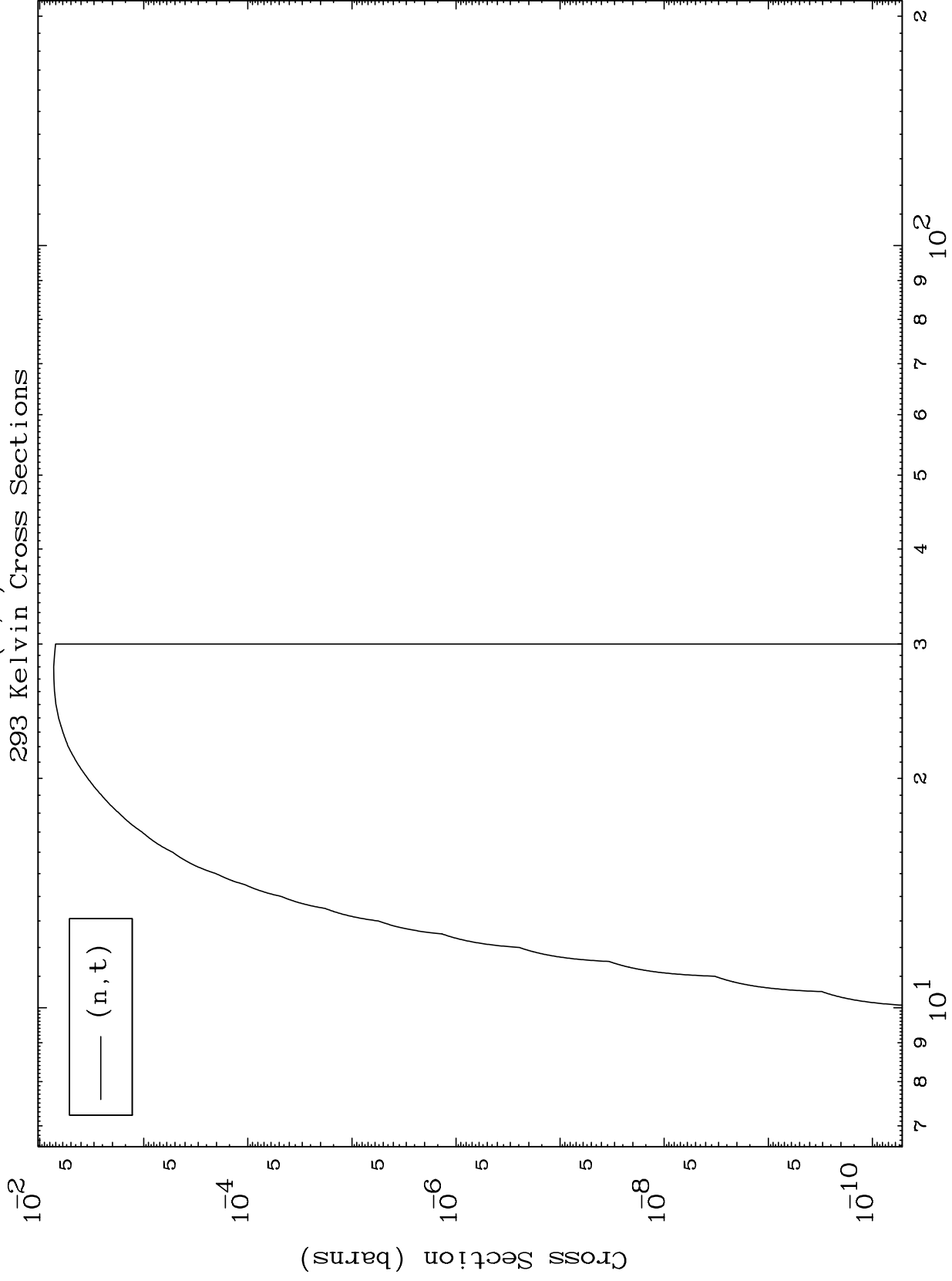
Incident Energy (MeV)

53-I -127

MAT 5325

(n,t) Levels  
293 Kelvin Cross Sections

53-I -127



14

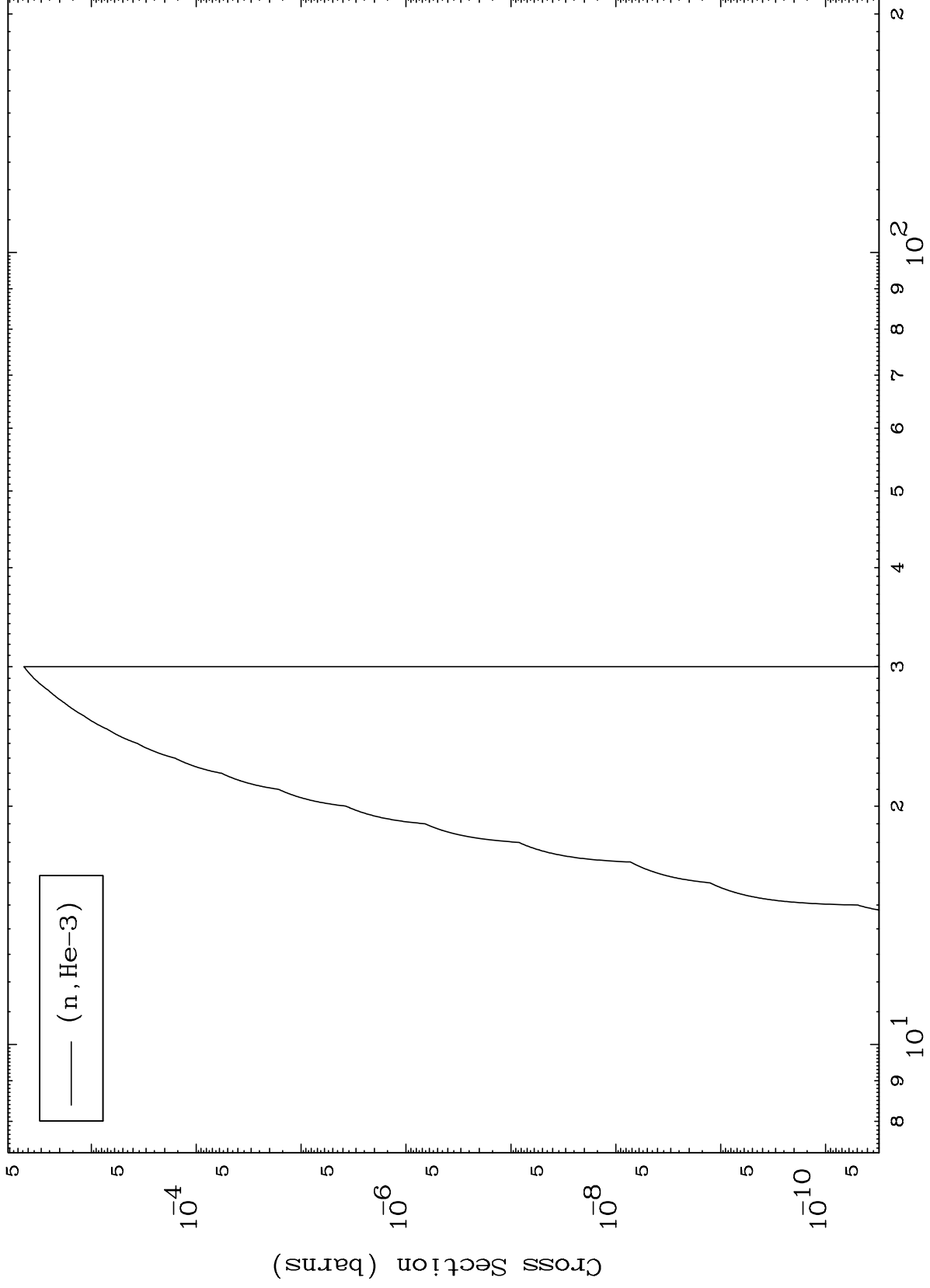
Incident Energy (MeV)

53-I -127

MAT 5325

(n,He3) Levels  
293 Kelvin Cross Sections

53-I -127



15

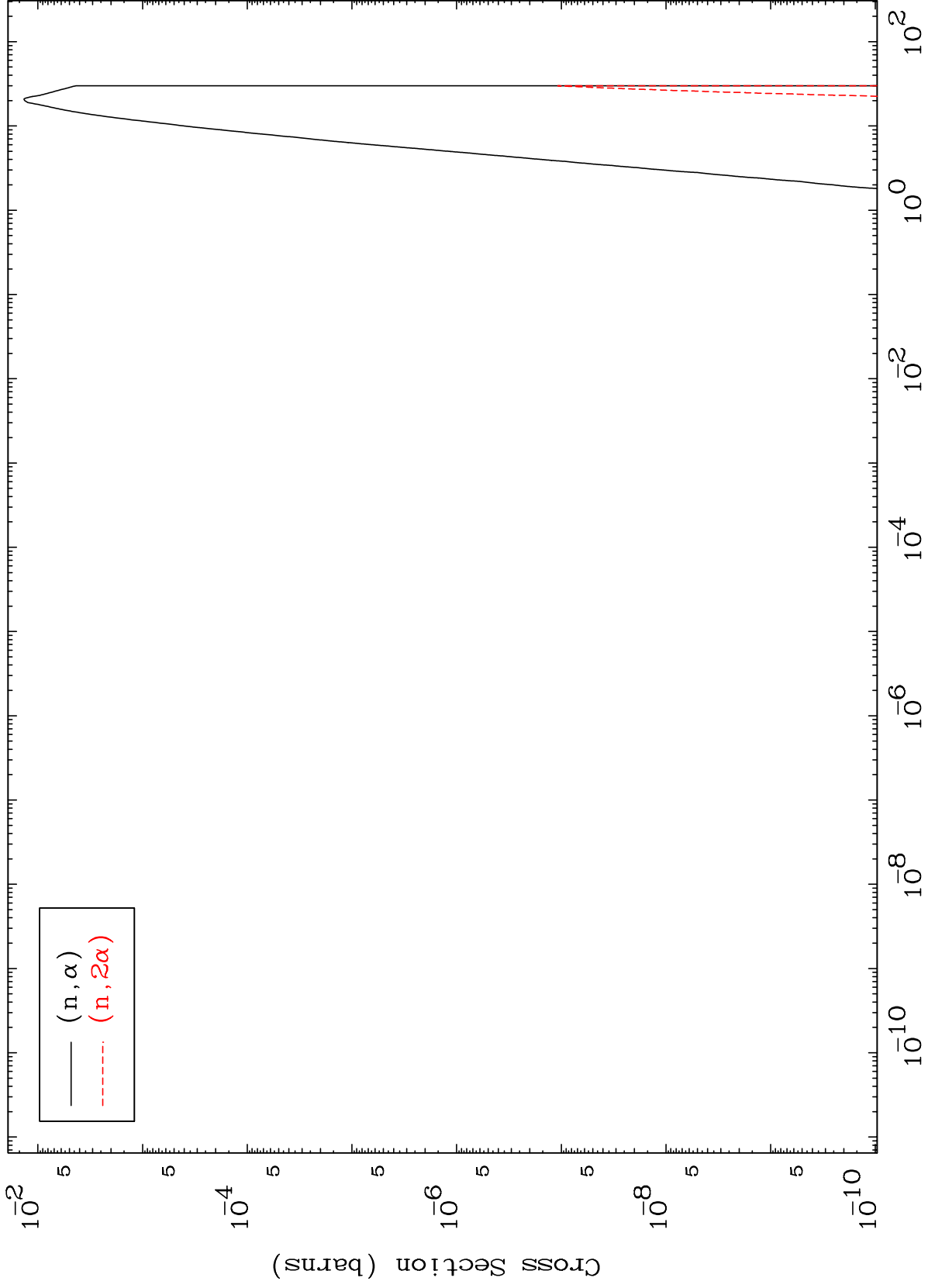
Incident Energy (MeV)

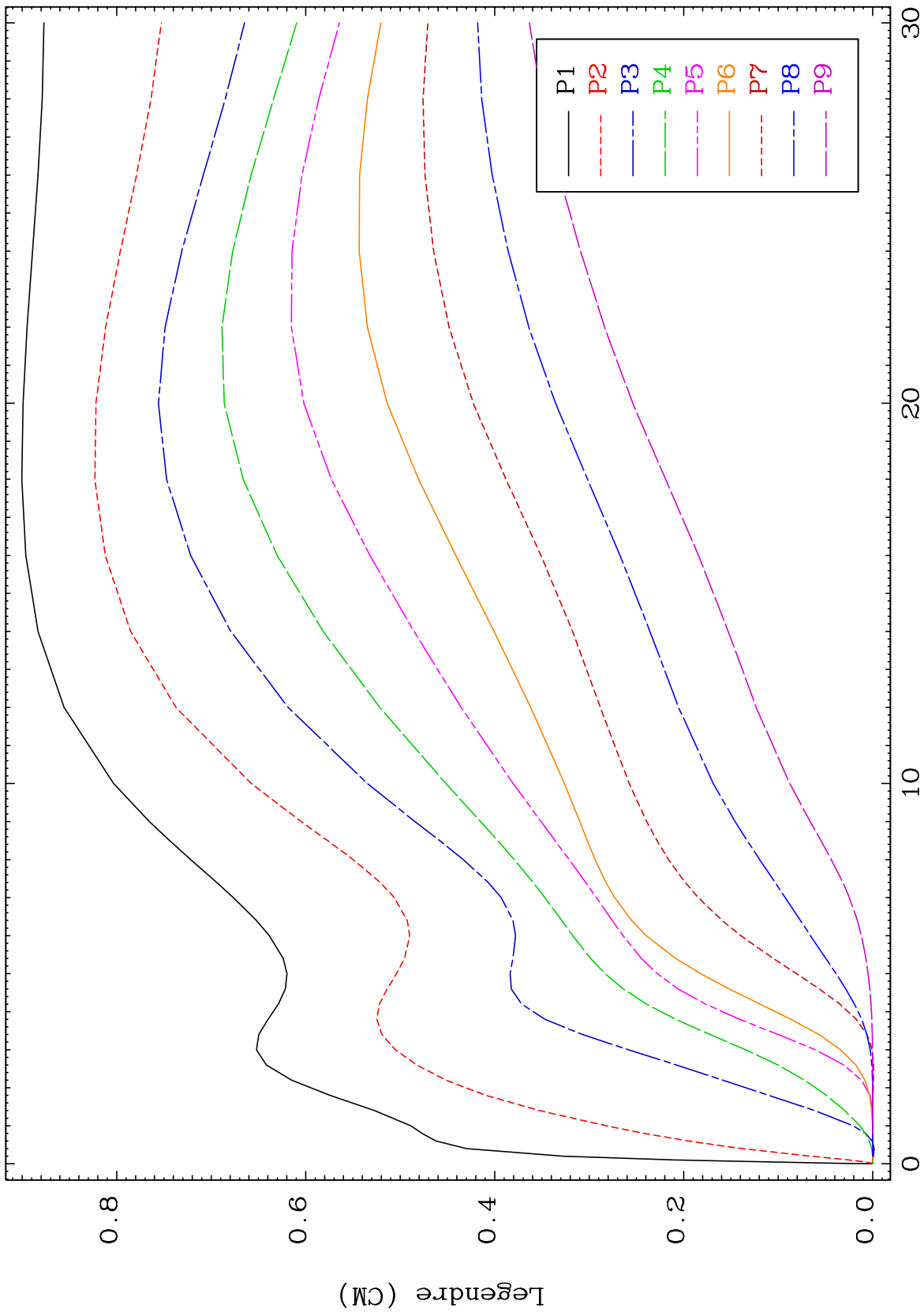
53-I -127

MAT 5325

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

53-I -127

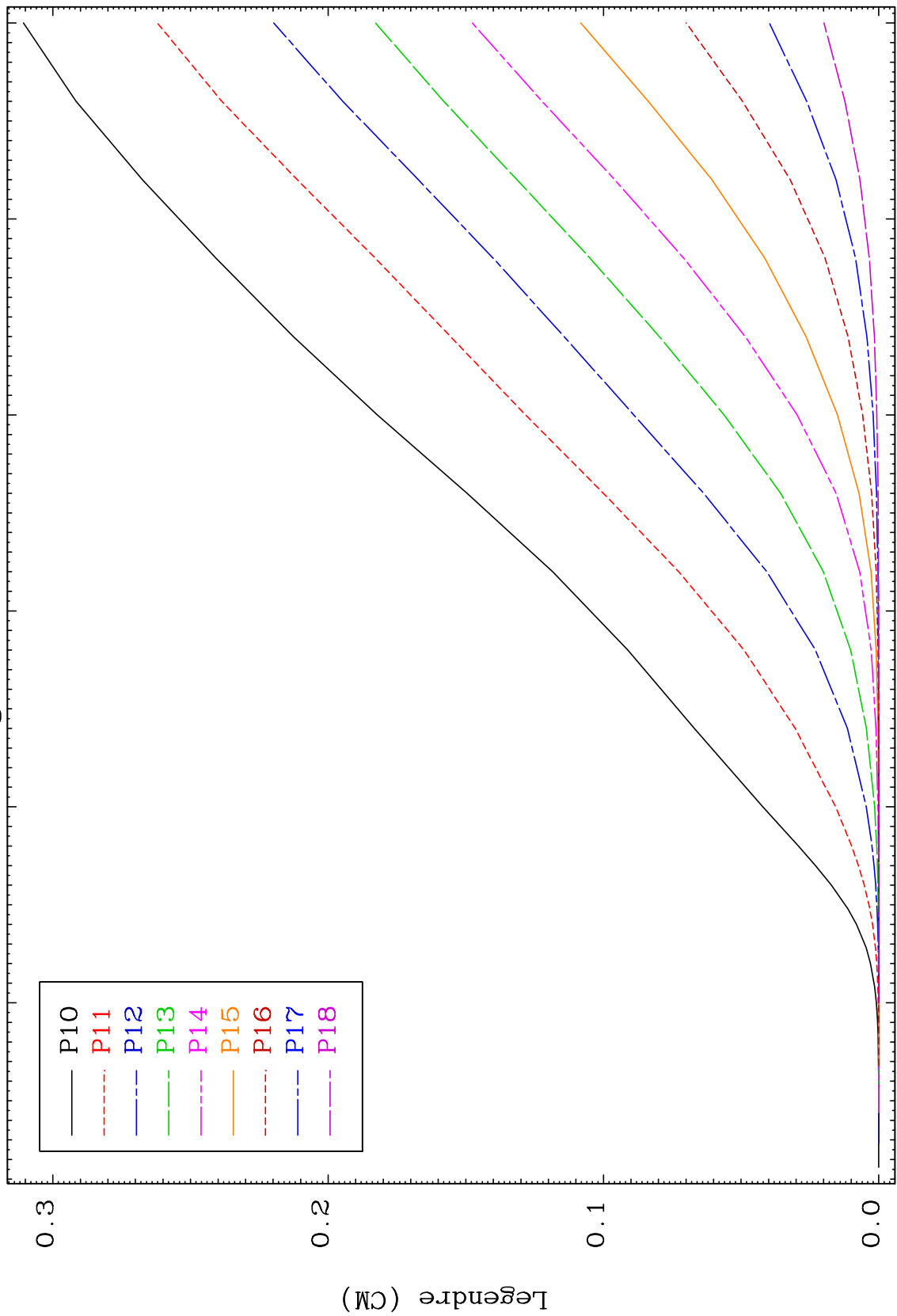




MAT 5325

Elastic Legendre Coefficients

53-I -127



18

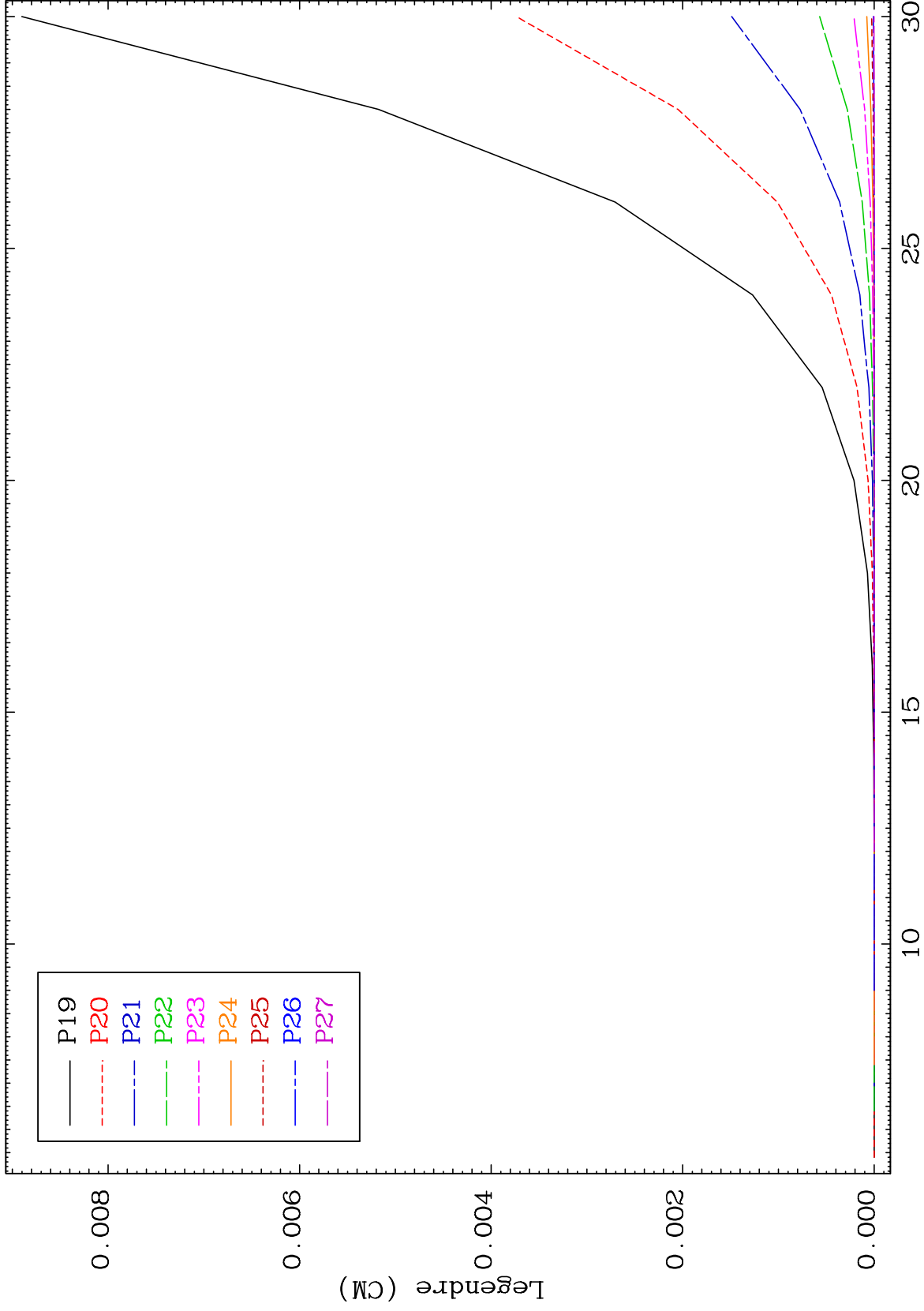
Incident Energy (MeV)

53-I -127

MAT 5325

Elastic Legendre Coefficients

53-I -127



19

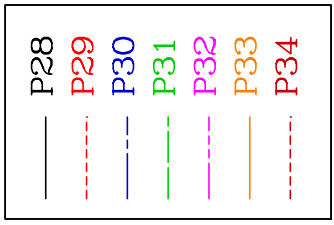
Incident Energy (MeV)

53-I -127

MAT 5325

Elastic Legendre Coefficients

53-I -127



$\times 10^{-7}$

Legendre (CM)

4

2

0

15

20

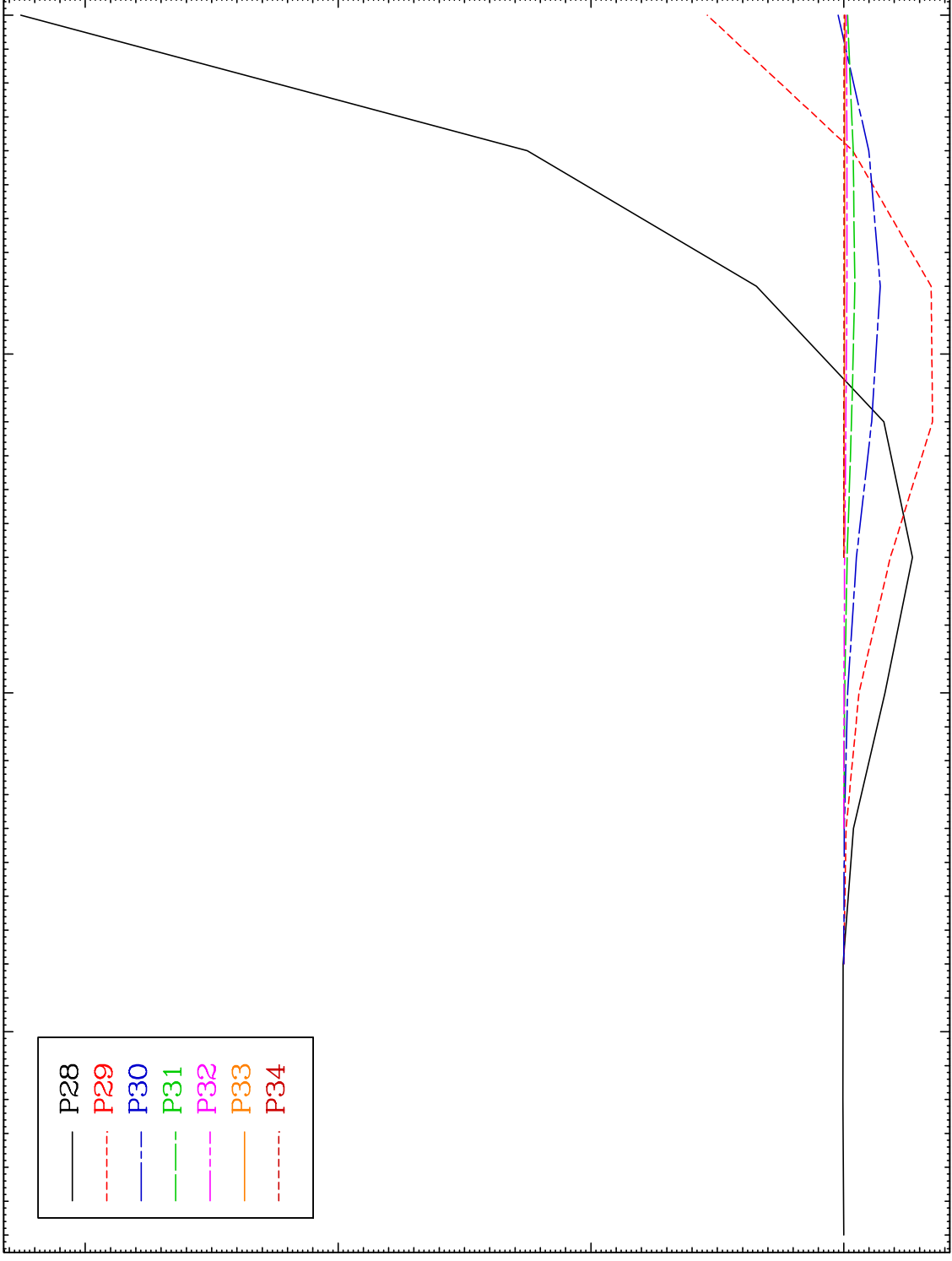
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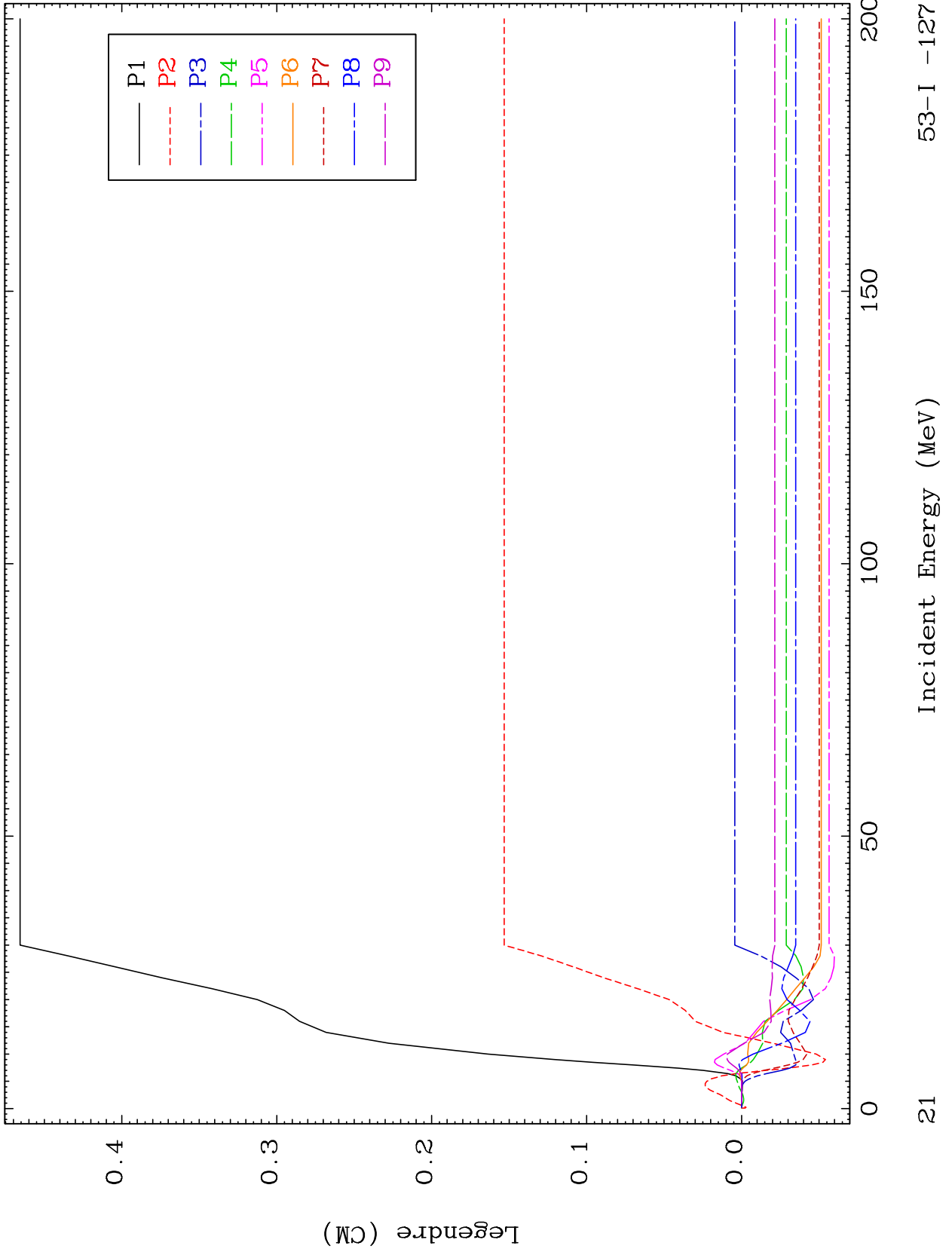
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20

Incident Energy (MeV)

53-I -127

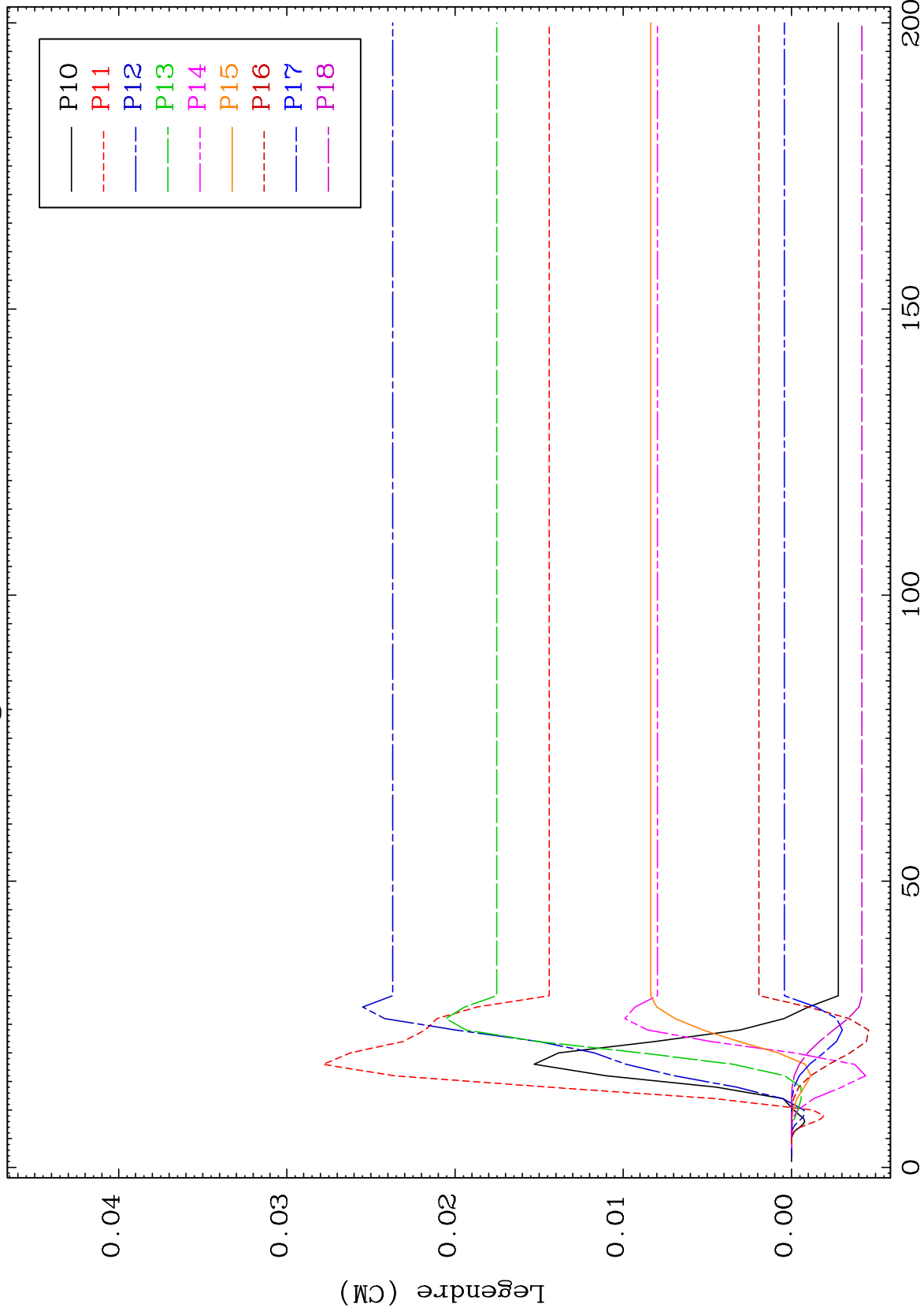




MAT 5325

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

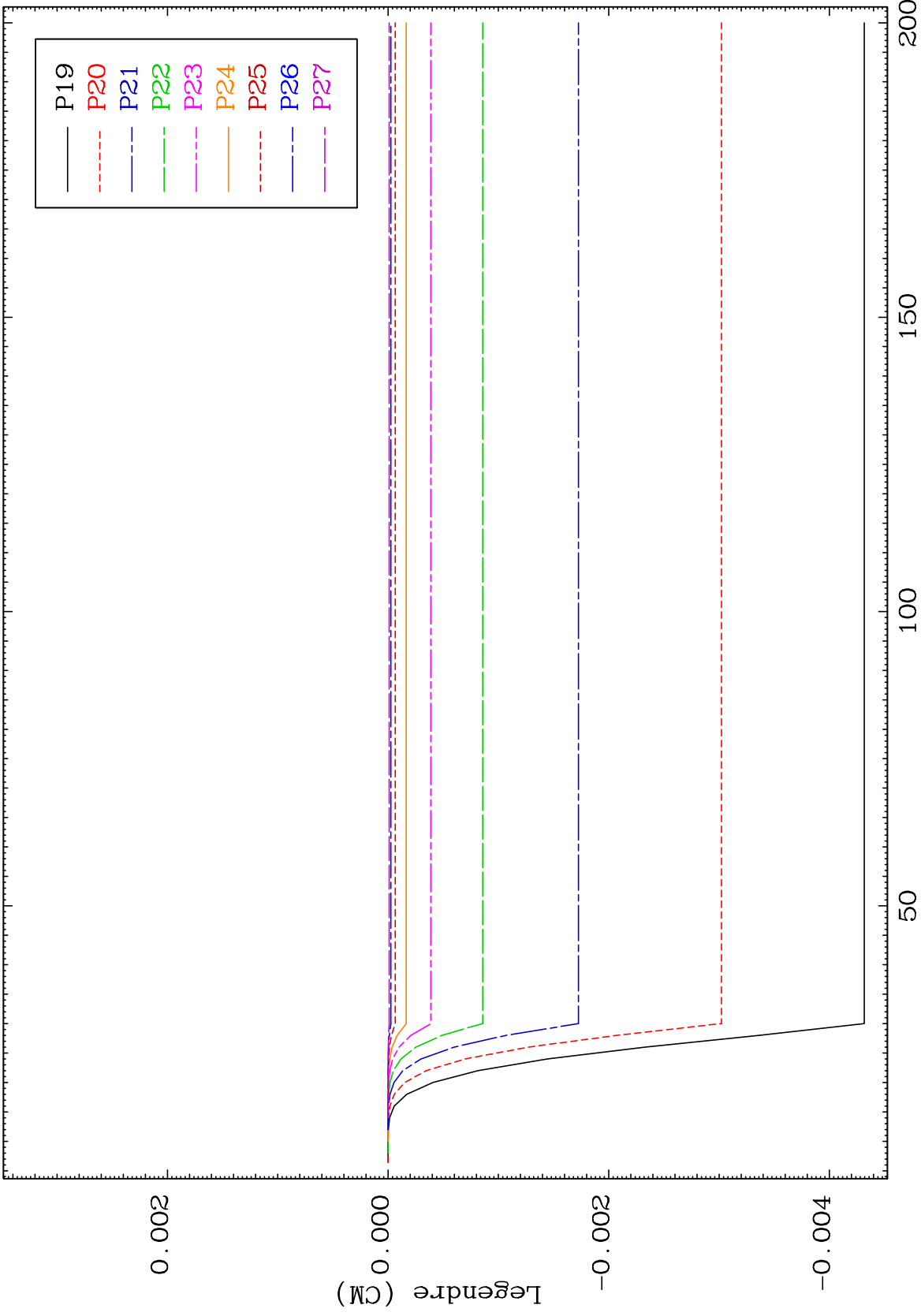
53-I -127



22

Incident Energy (MeV)

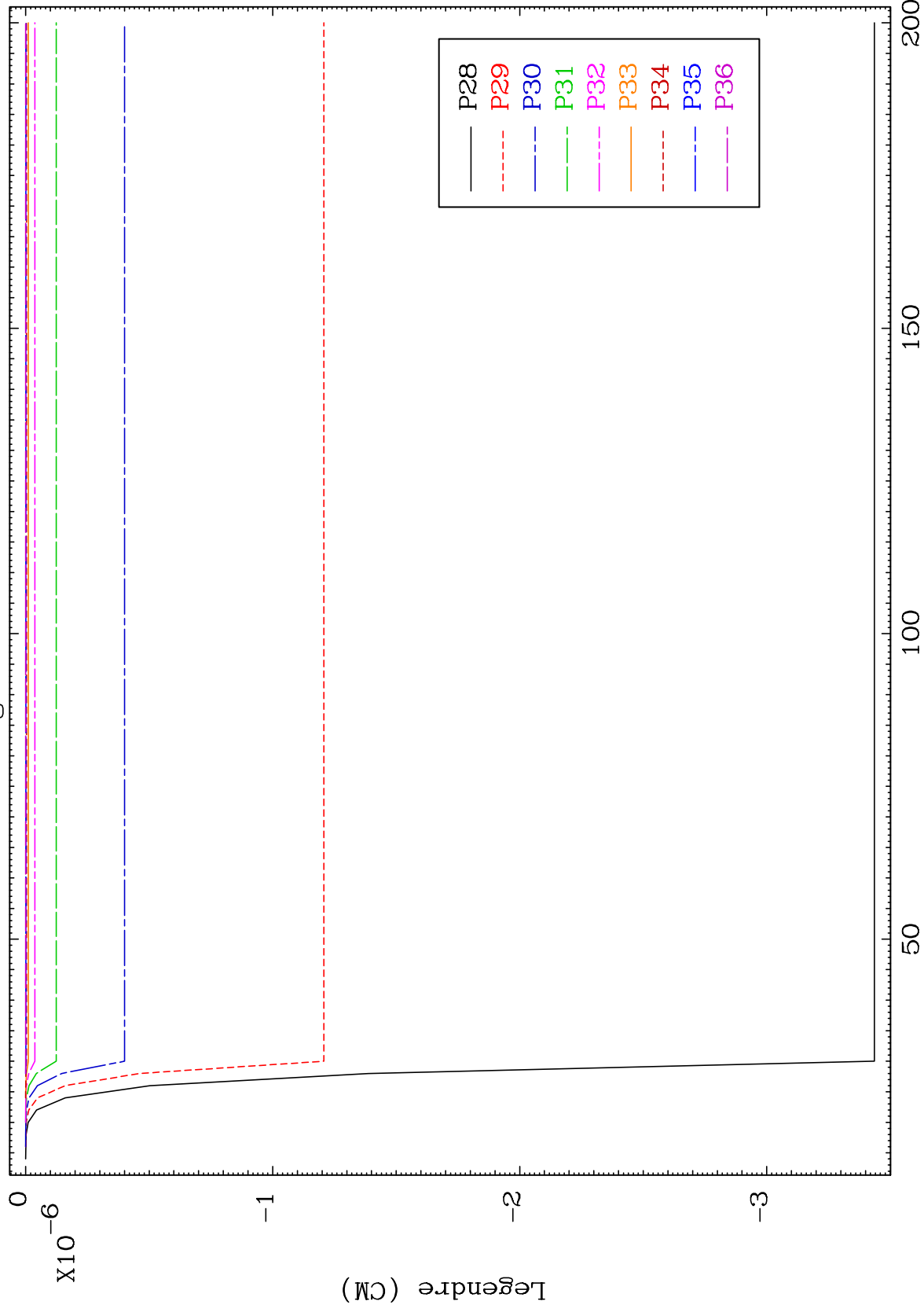
53-I -127



MAT 5325

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

53-I -127



24

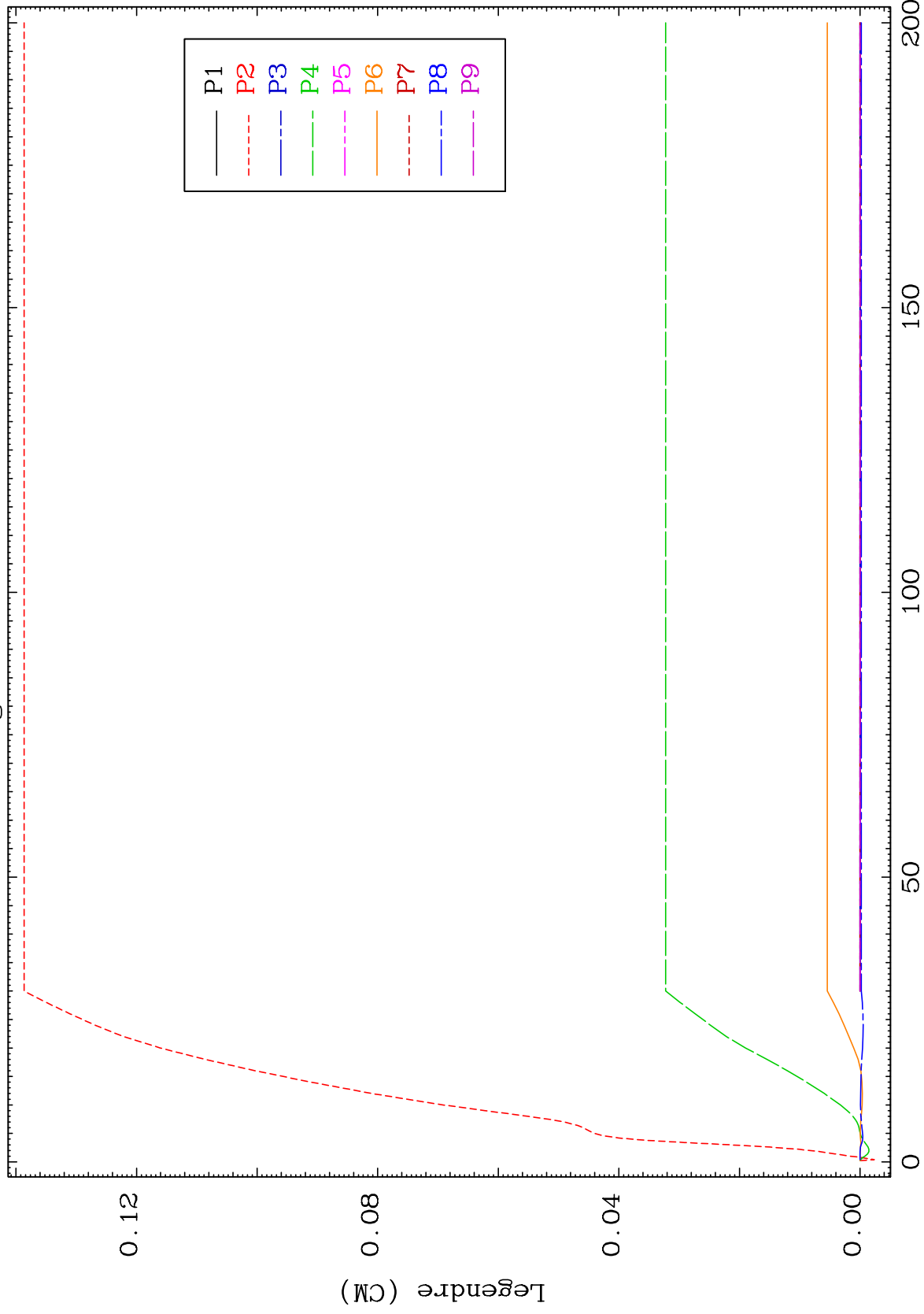
Incident Energy (MeV)

53-I -127

MAT 5325

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

53-I -127



53-I -127

Incident Energy (MeV)

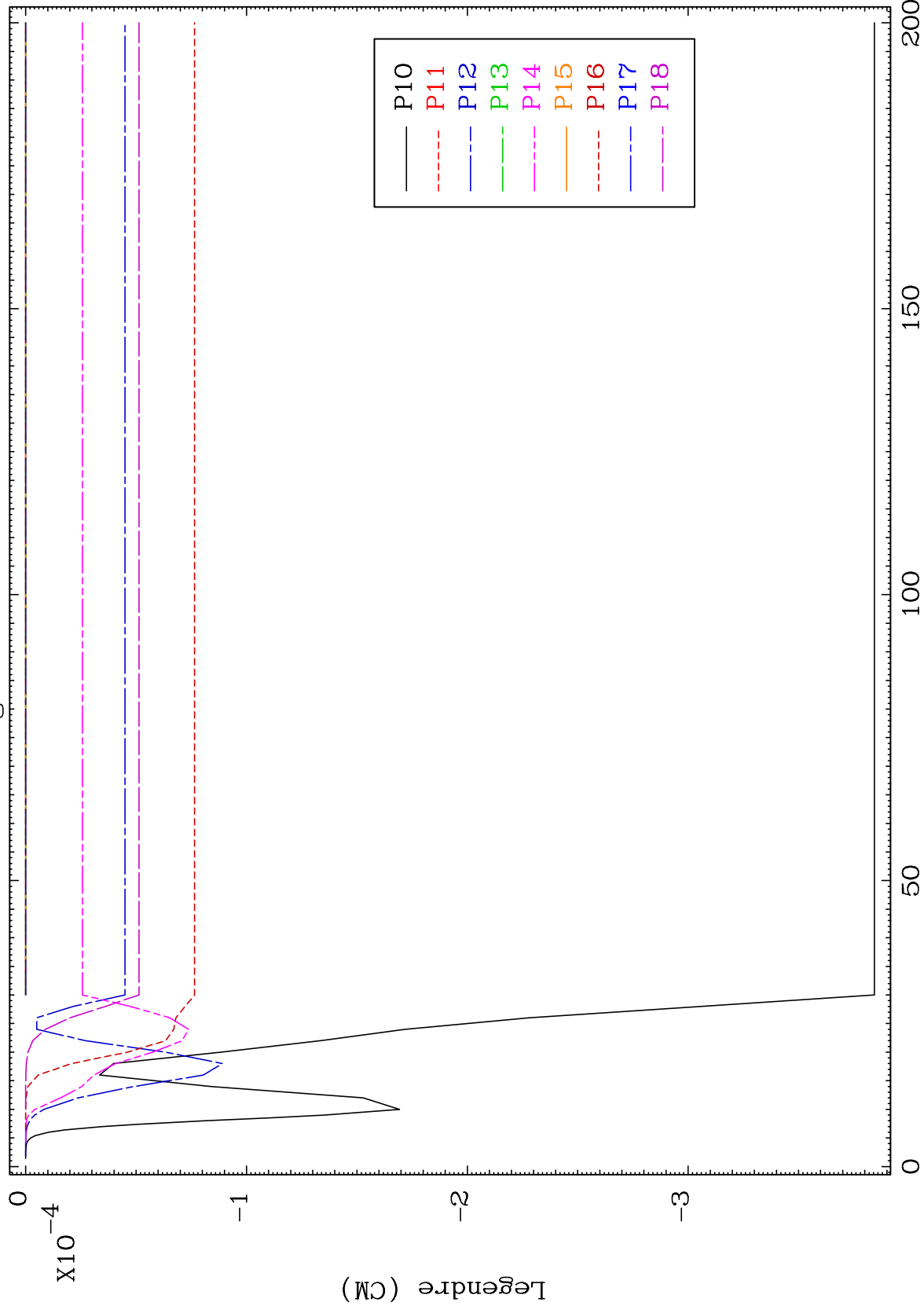
25

MAT 5325

MT= 52 (n,n') Level

53-I -127

Legendre Coefficients



26

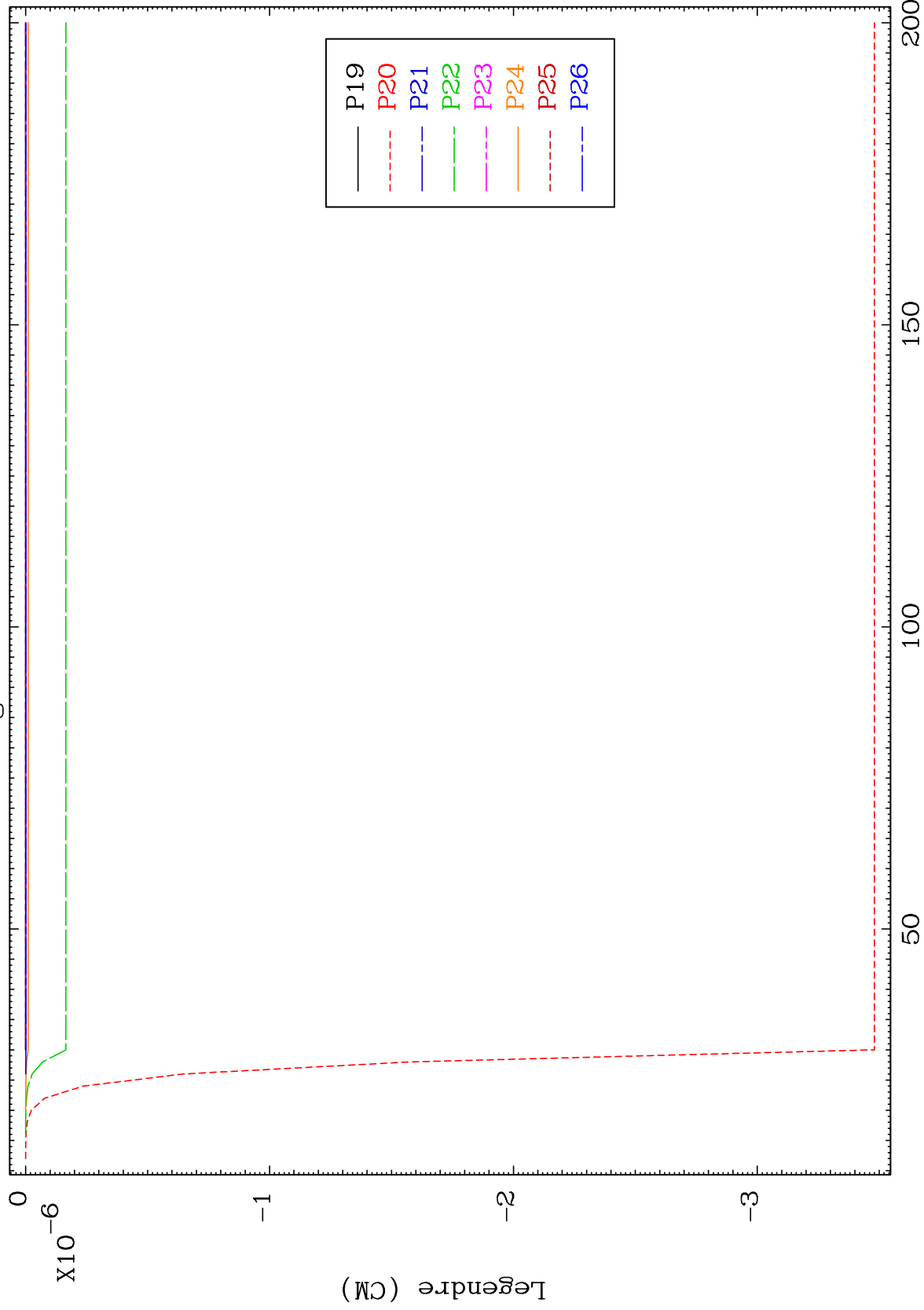
Incident Energy (MeV)

53-I -127

MAT 5325

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

53-I -127



27

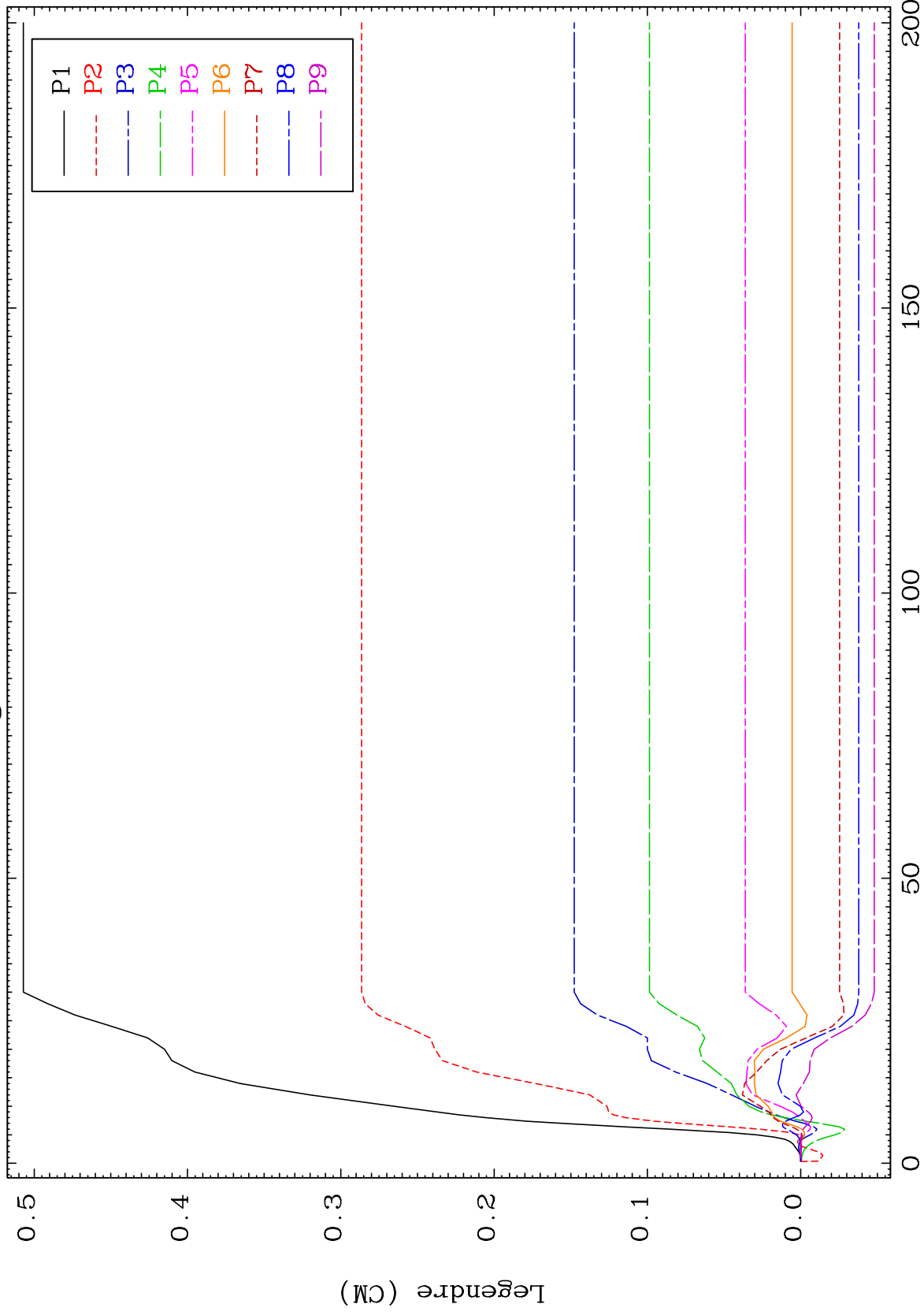
Incident Energy (MeV)

53-I -127

MAT 5325

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

53-I -127



28

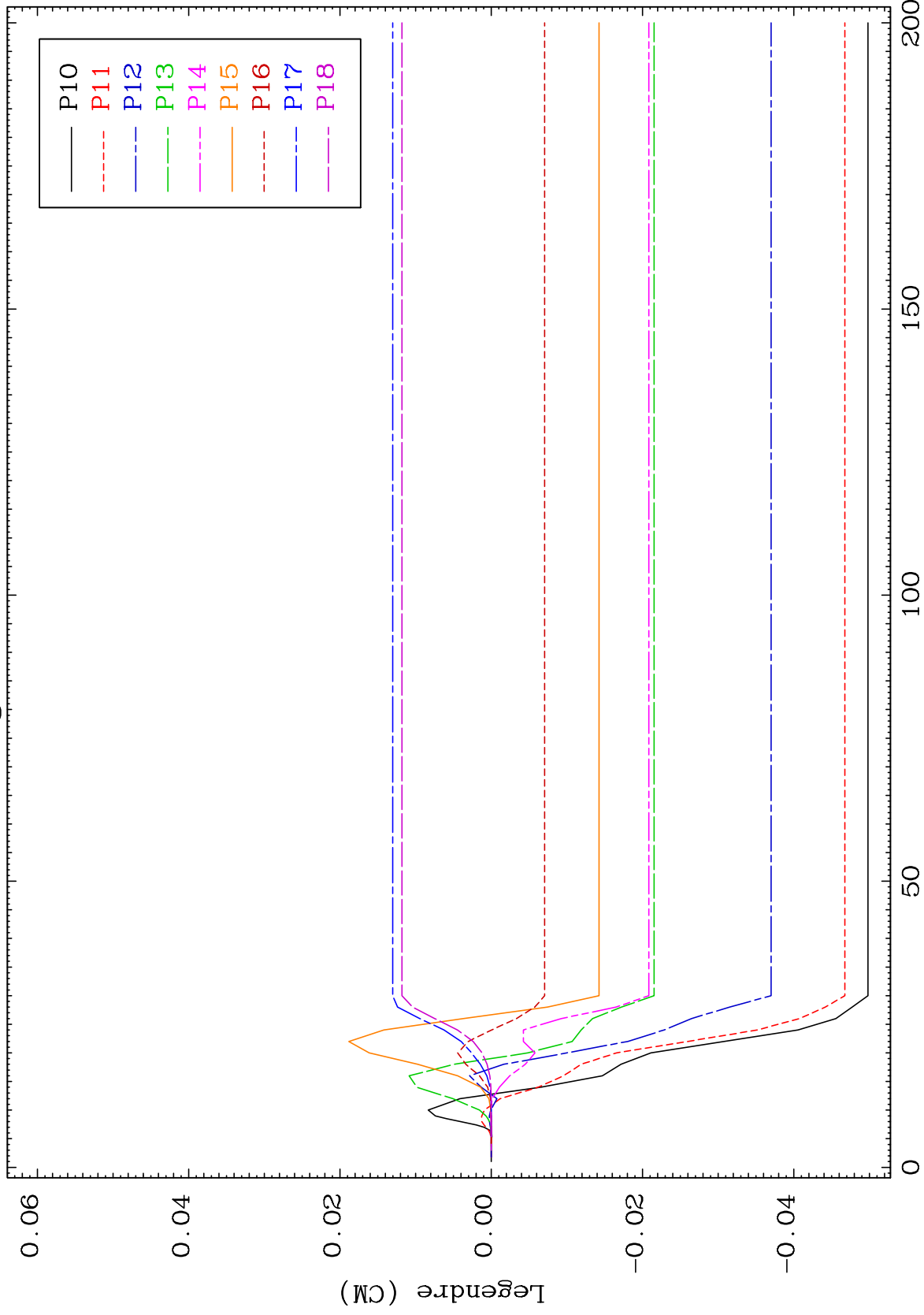
Incident Energy (MeV)

53-I -127

MAT 5325

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

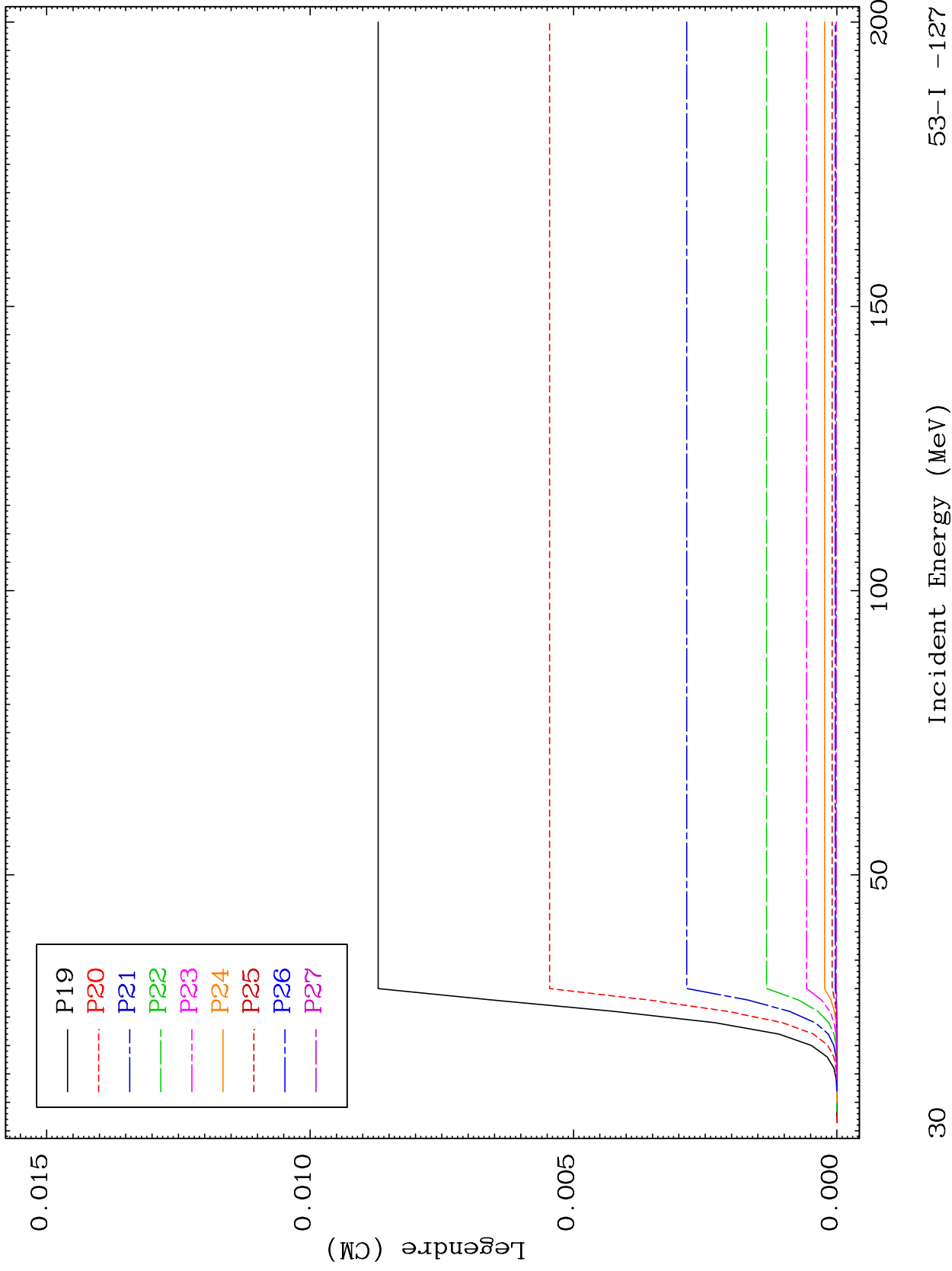
53-I -127



29

Incident Energy (MeV)

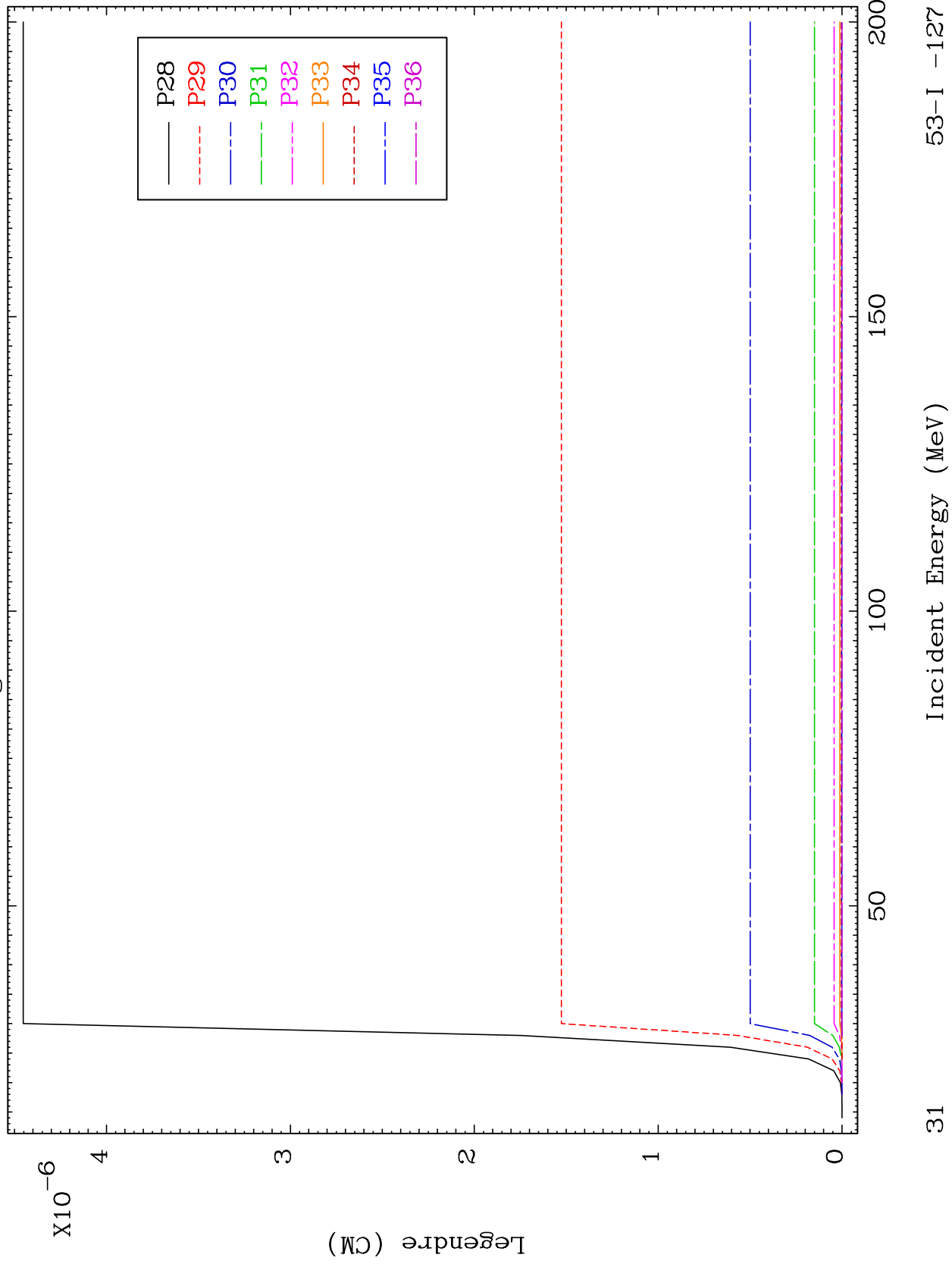
53-I -127



MAT 5325

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

53-I -127



31

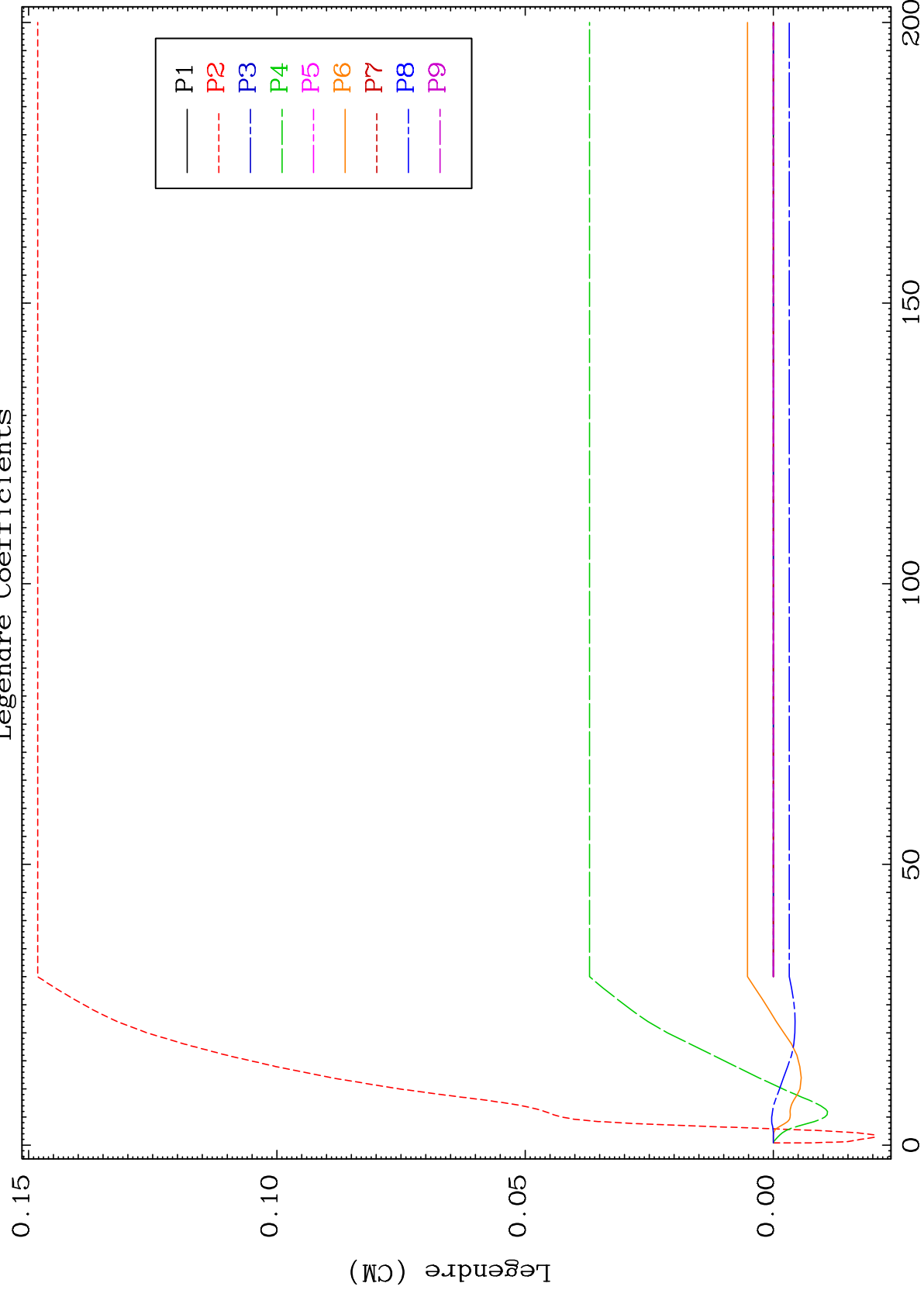
Incident Energy (MeV)

53-I -127

MAT 5325

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

53-I -127



53-I -127

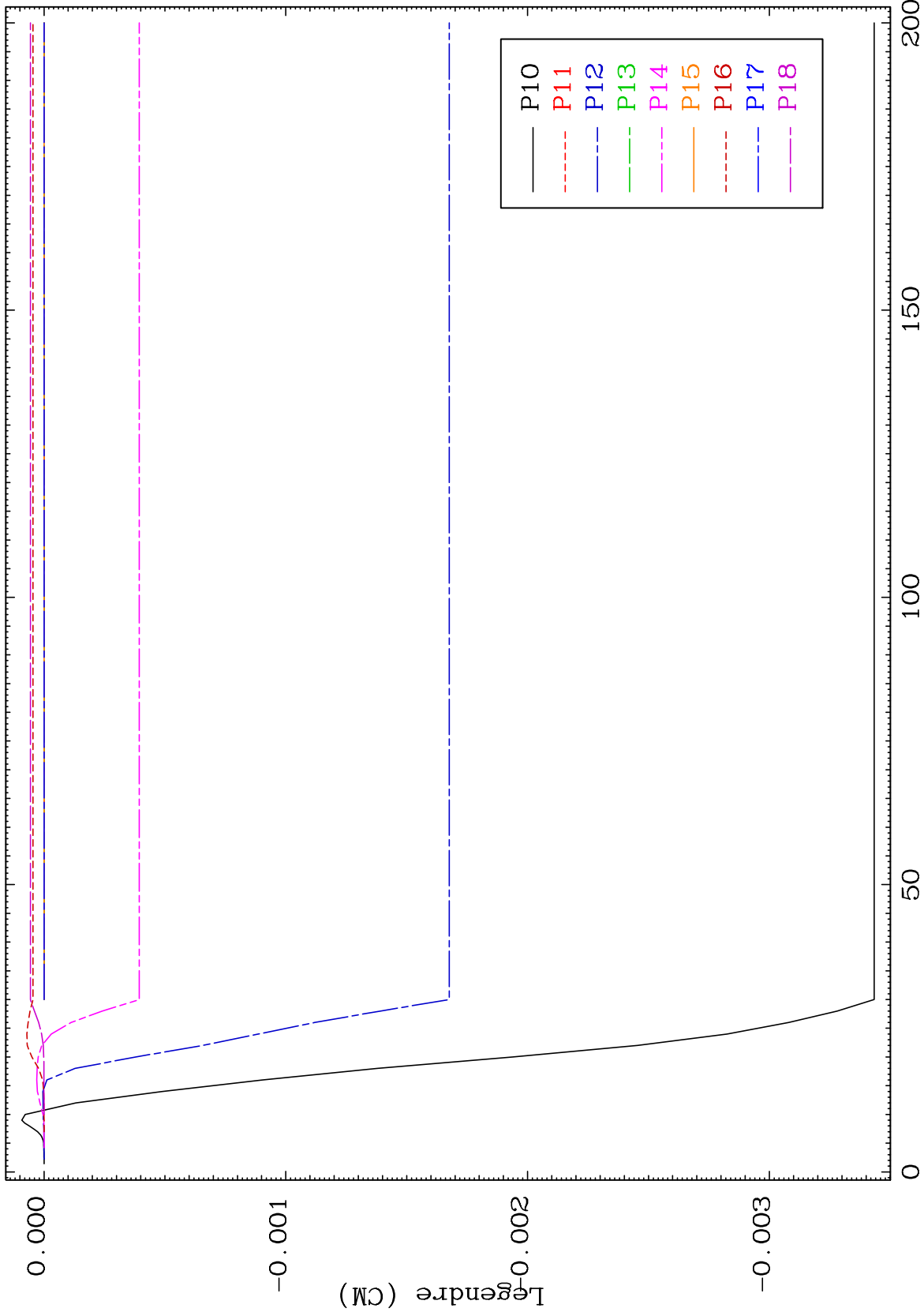
Incident Energy (MeV)

32

MAT 5325

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

53-I -127



33

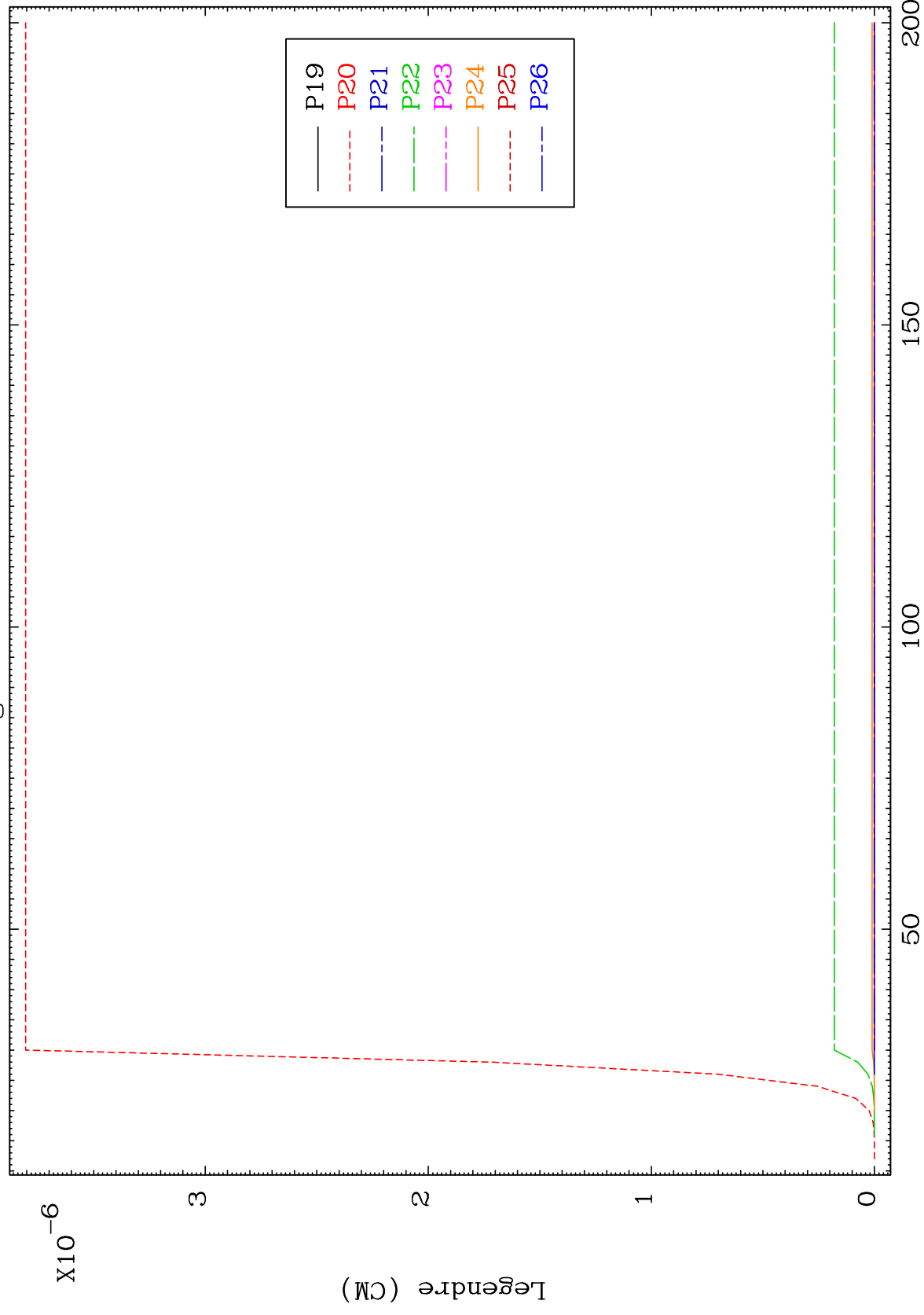
Incident Energy (MeV)

53-I -127

MAT 5325

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

53-I -127



34

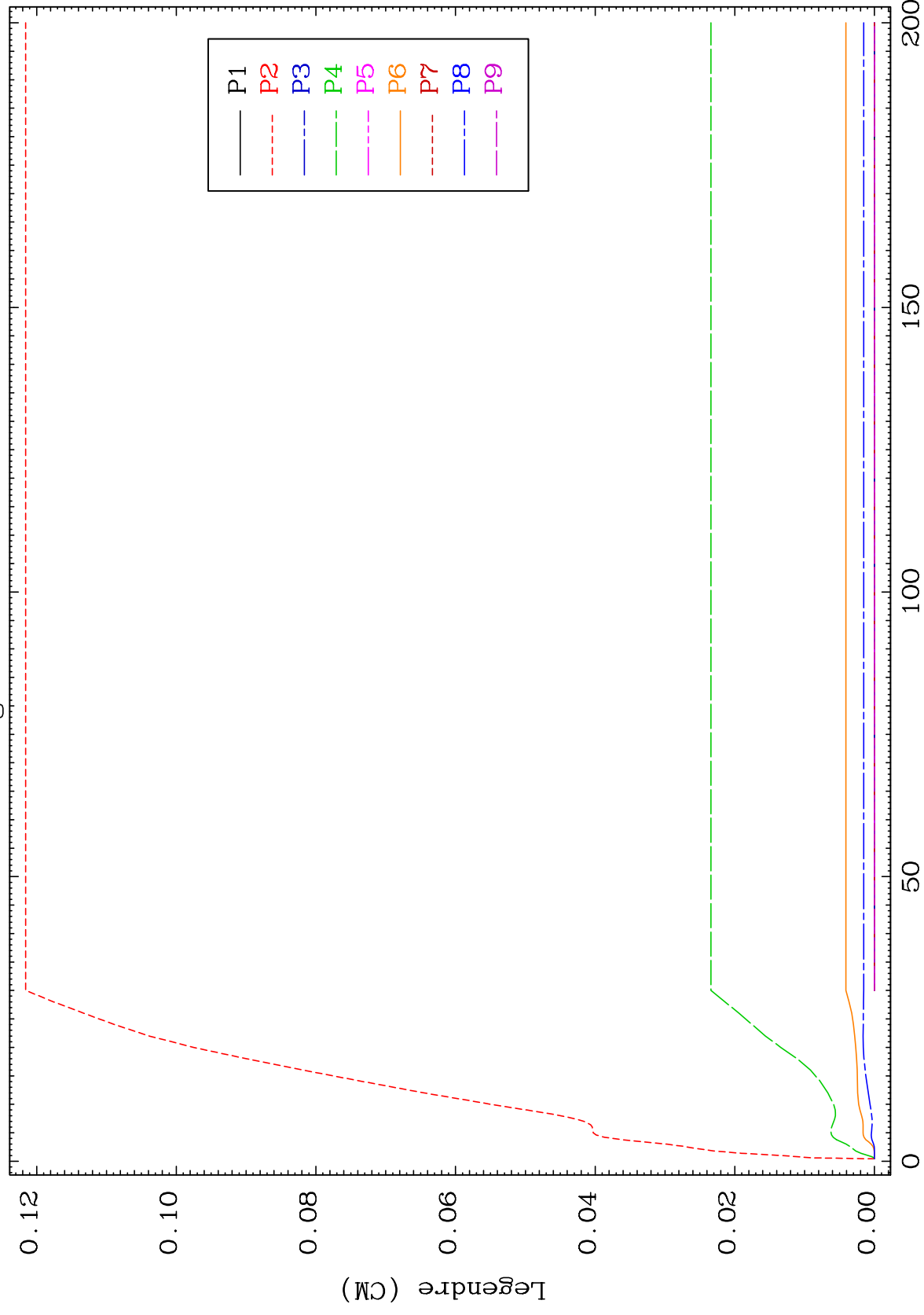
Incident Energy (MeV)

53-I -127

MAT 5325

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

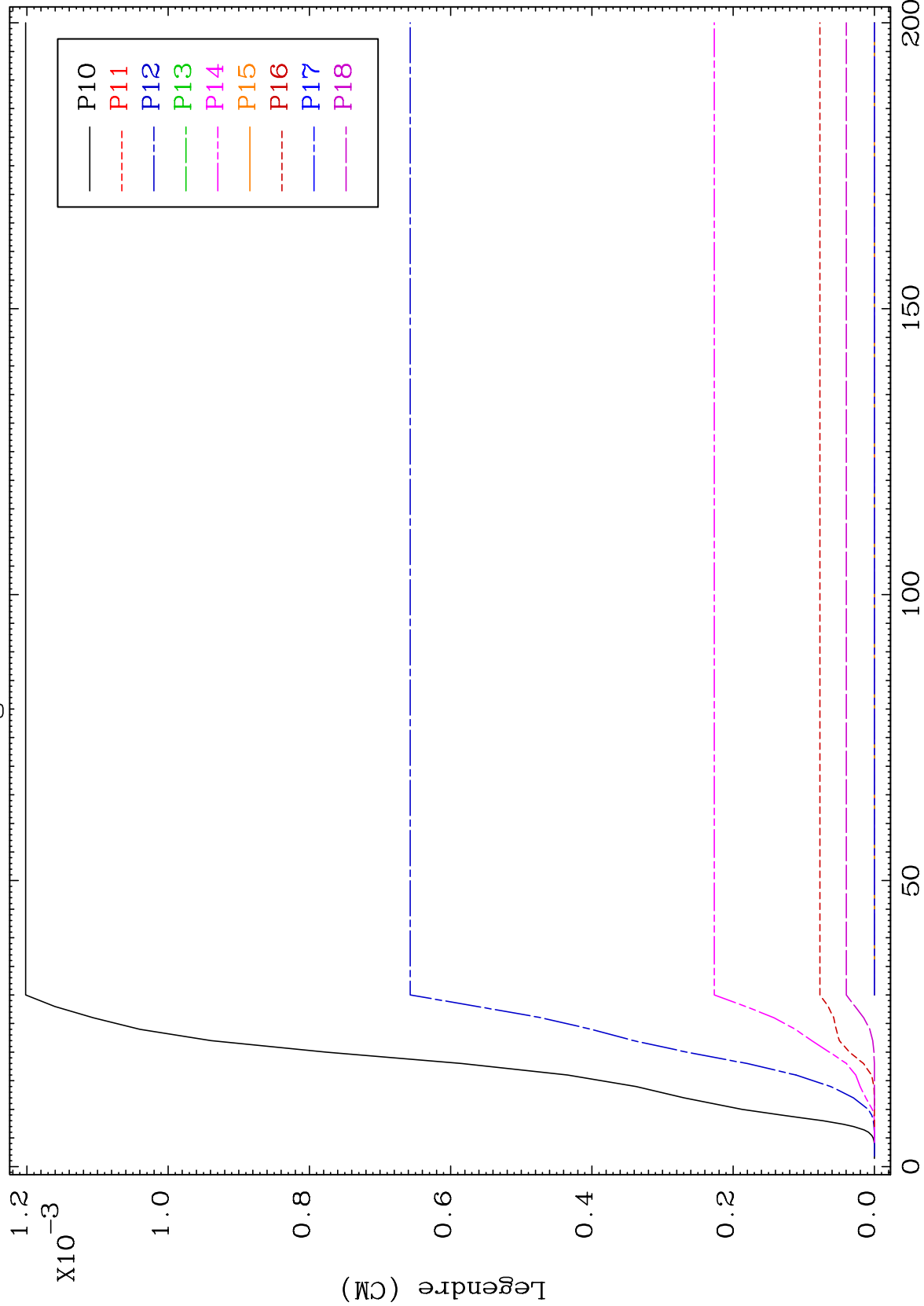
53-I -127



53-I -127

Incident Energy (MeV)

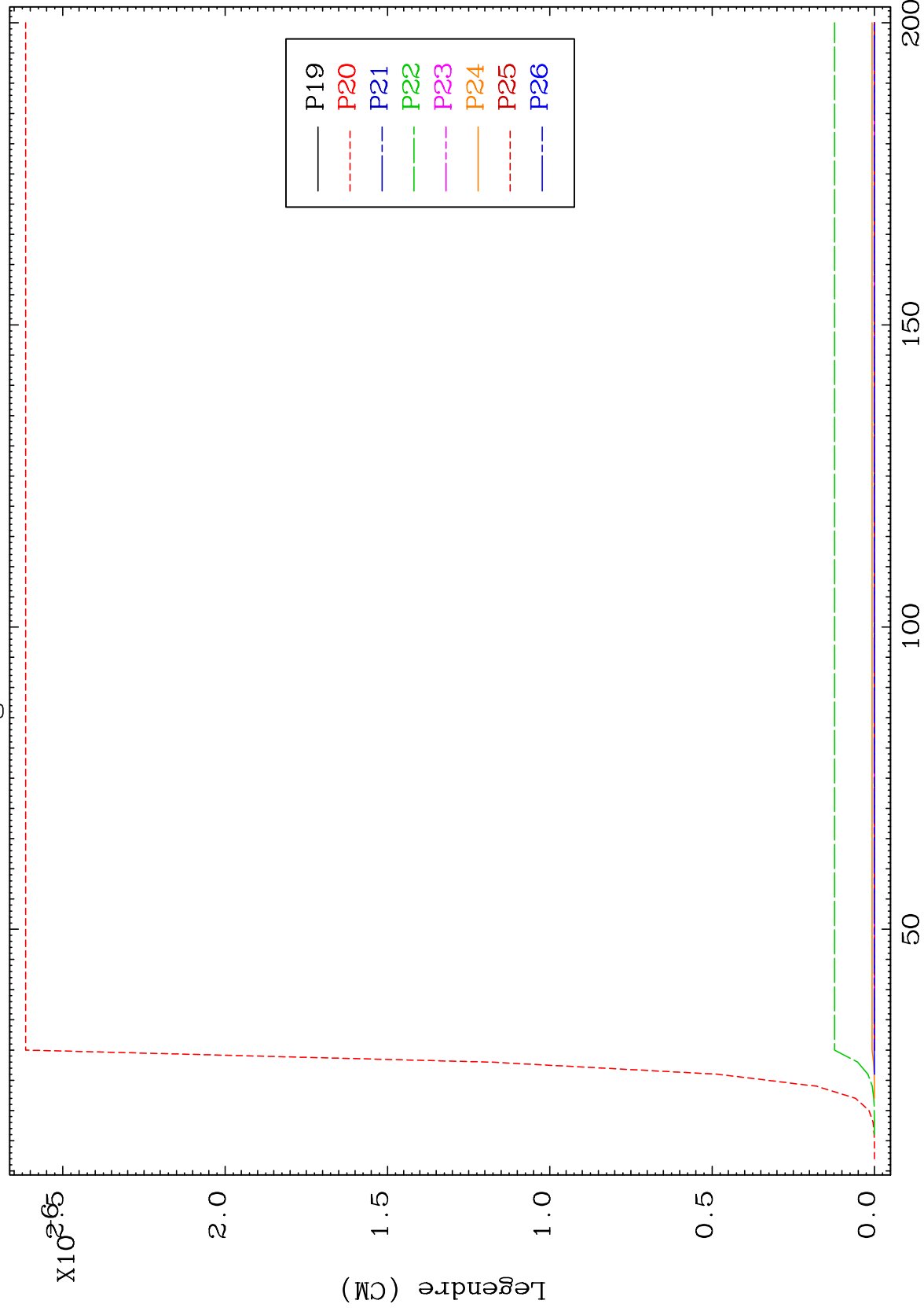
35



MAT 5325

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

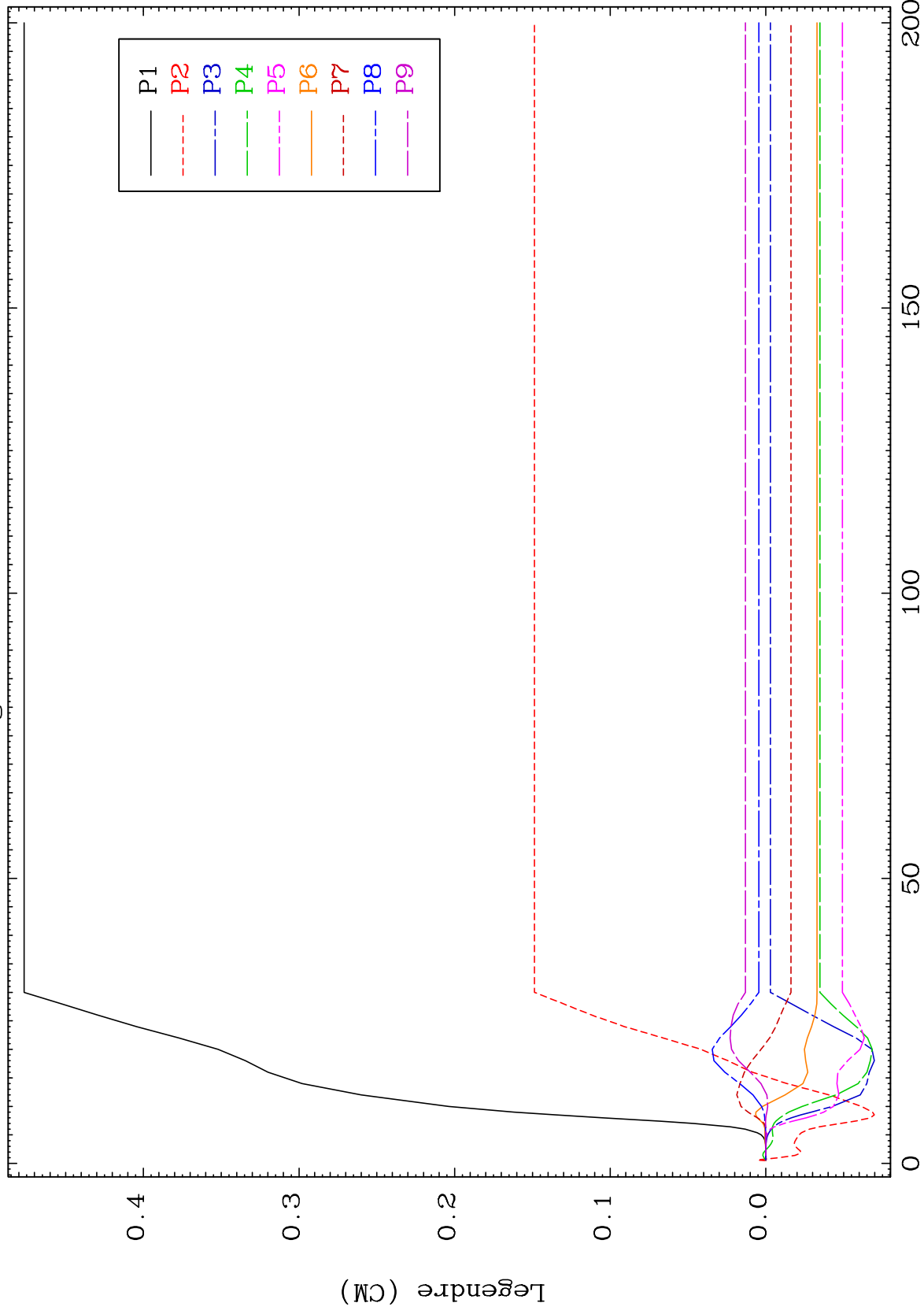
53-I -127



37

Incident Energy (MeV)

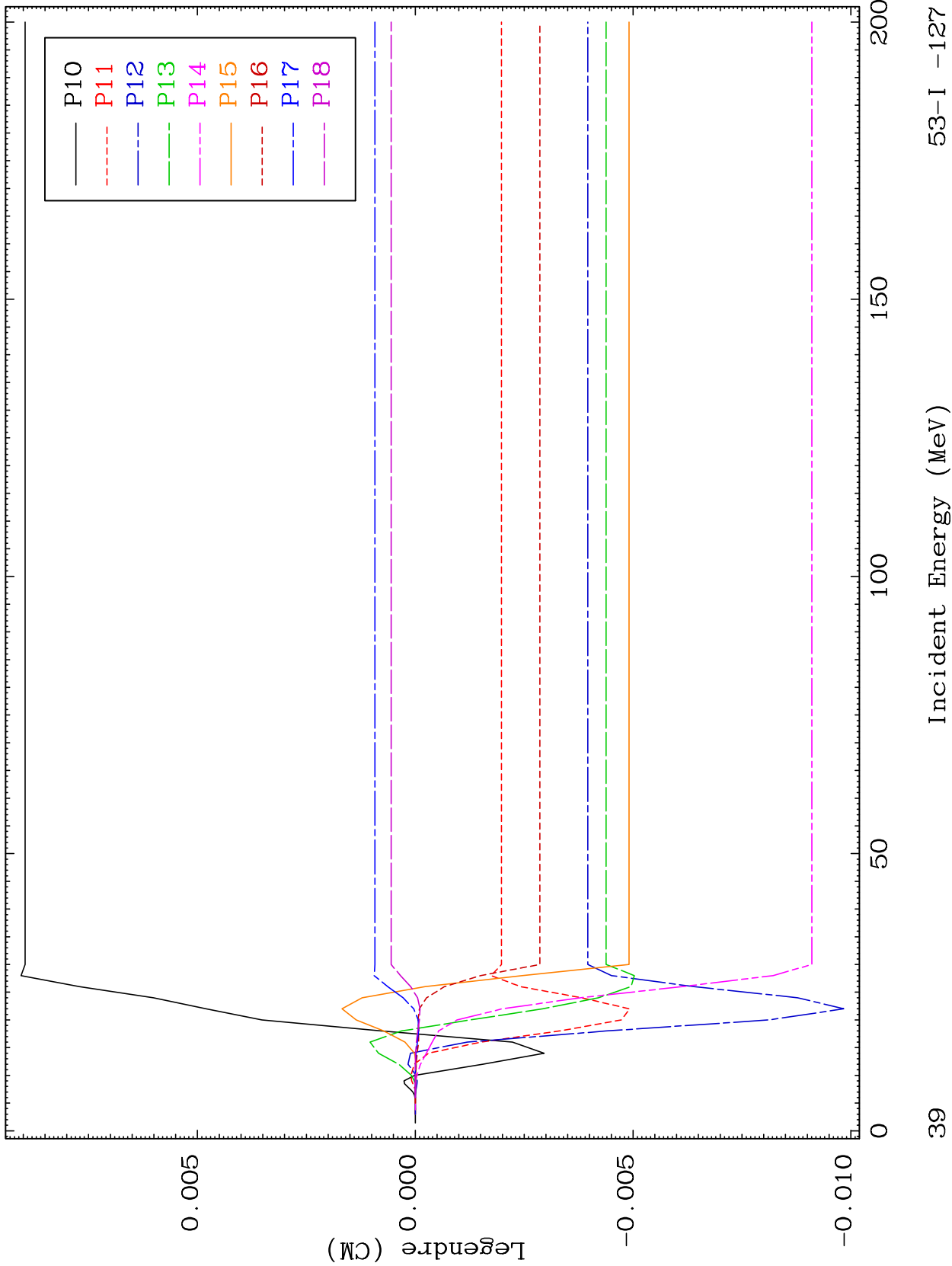
53-I -127



MAT 5325

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

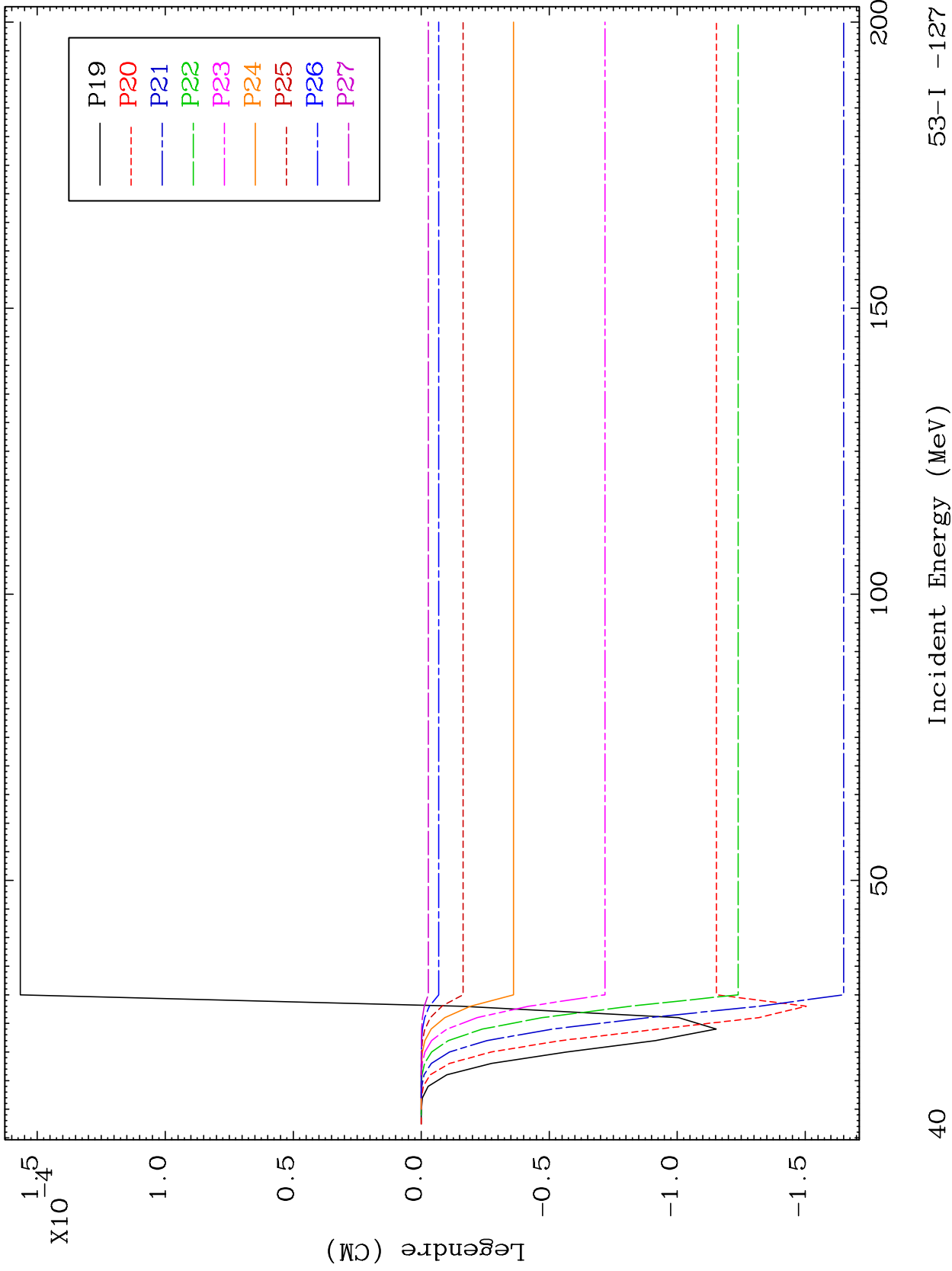
53-I -127

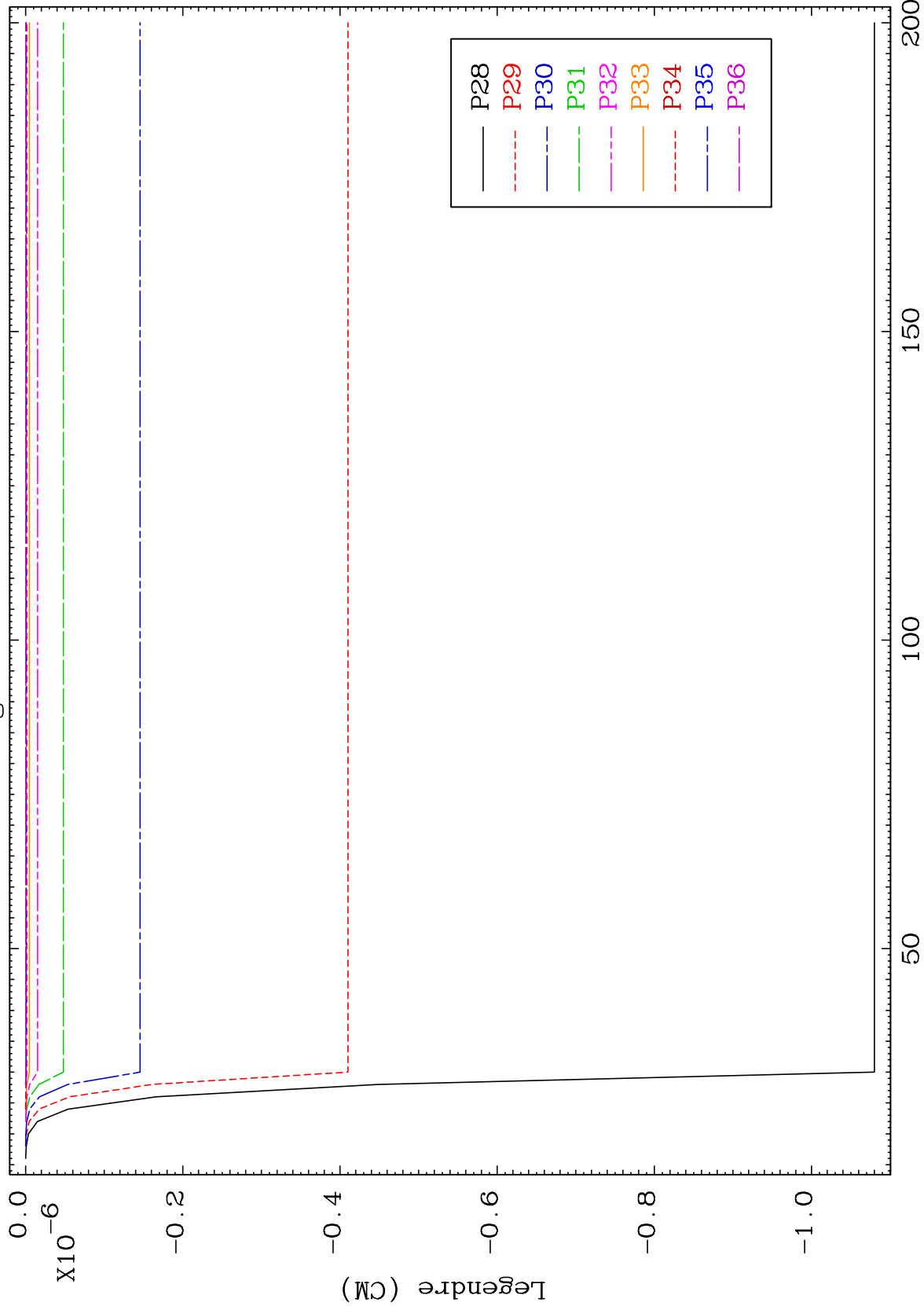


53-I -127

Incident Energy (MeV)

39

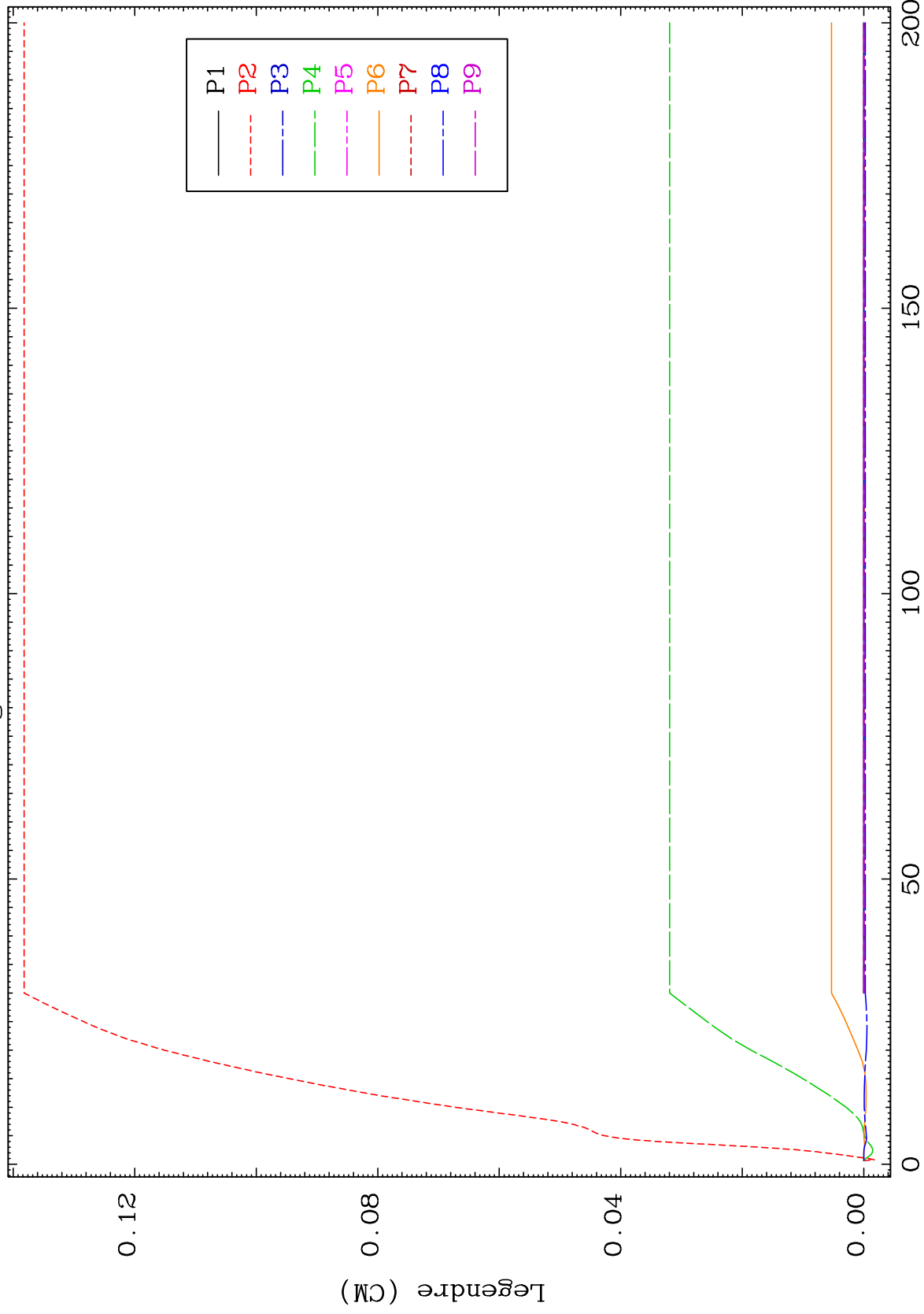




MAT 5325

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

53-I -127



42

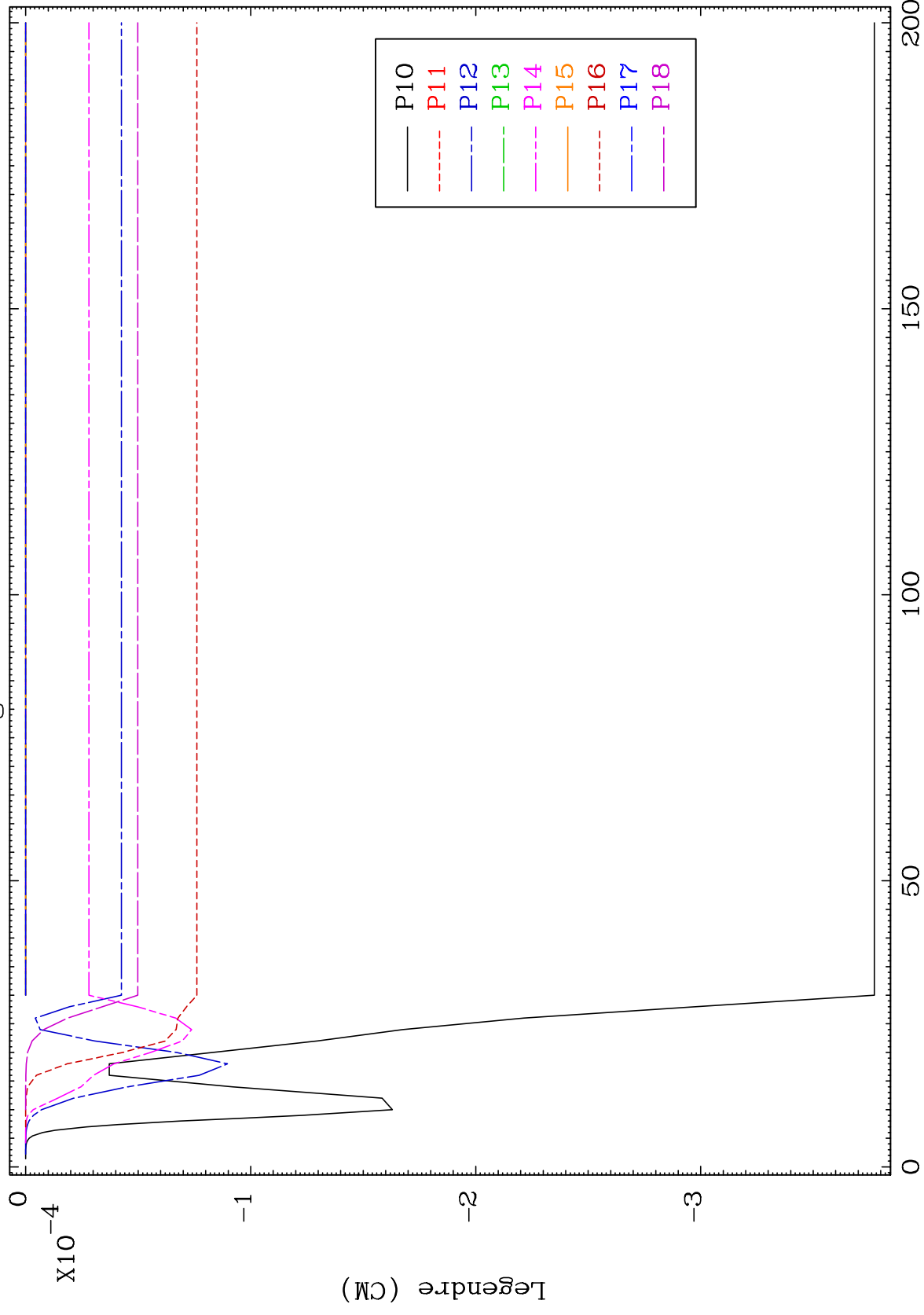
Incident Energy (MeV)

53-I -127

MAT 5325

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

53-I -127



43

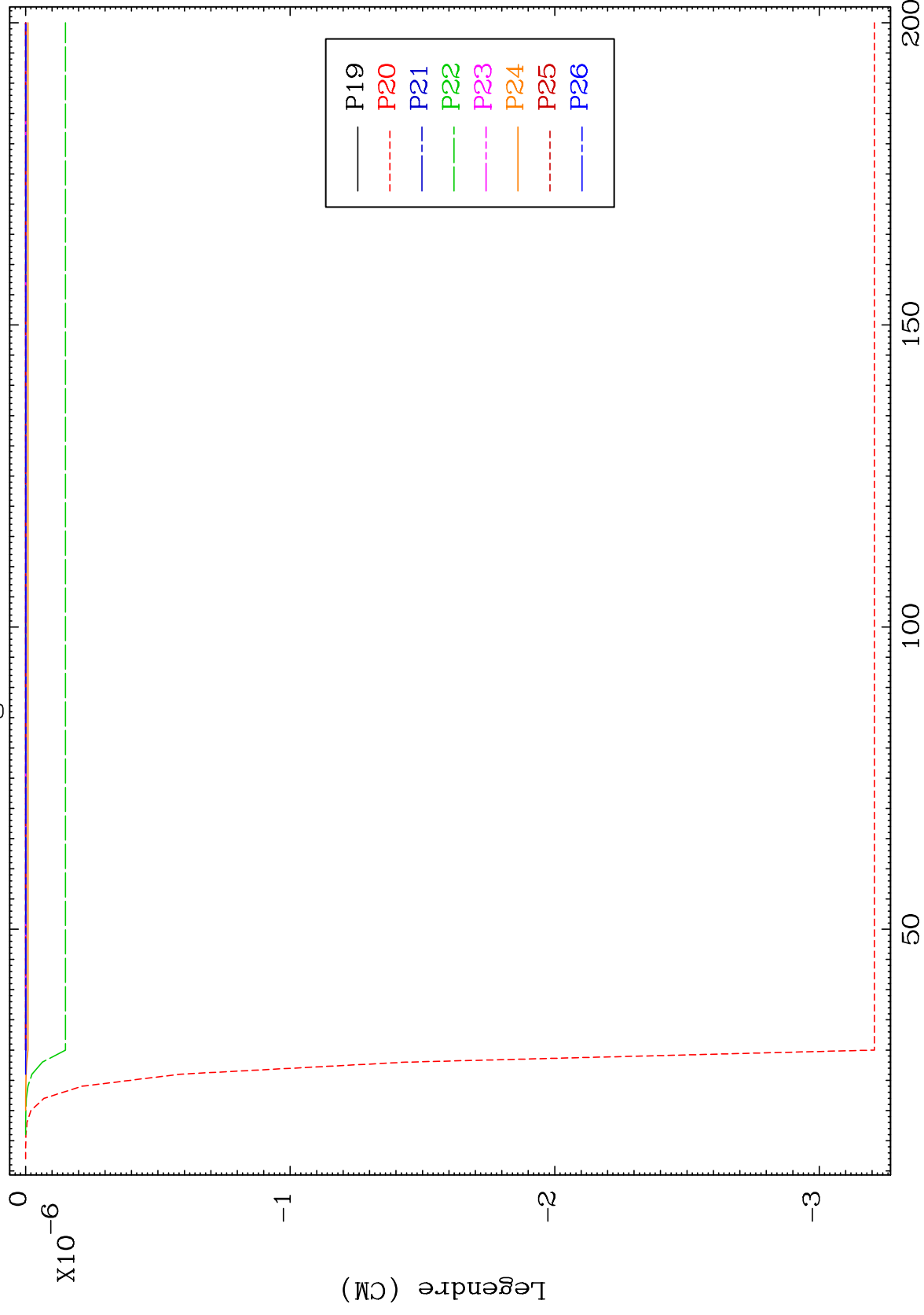
Incident Energy (MeV)

53-I -127

MAT 5325

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

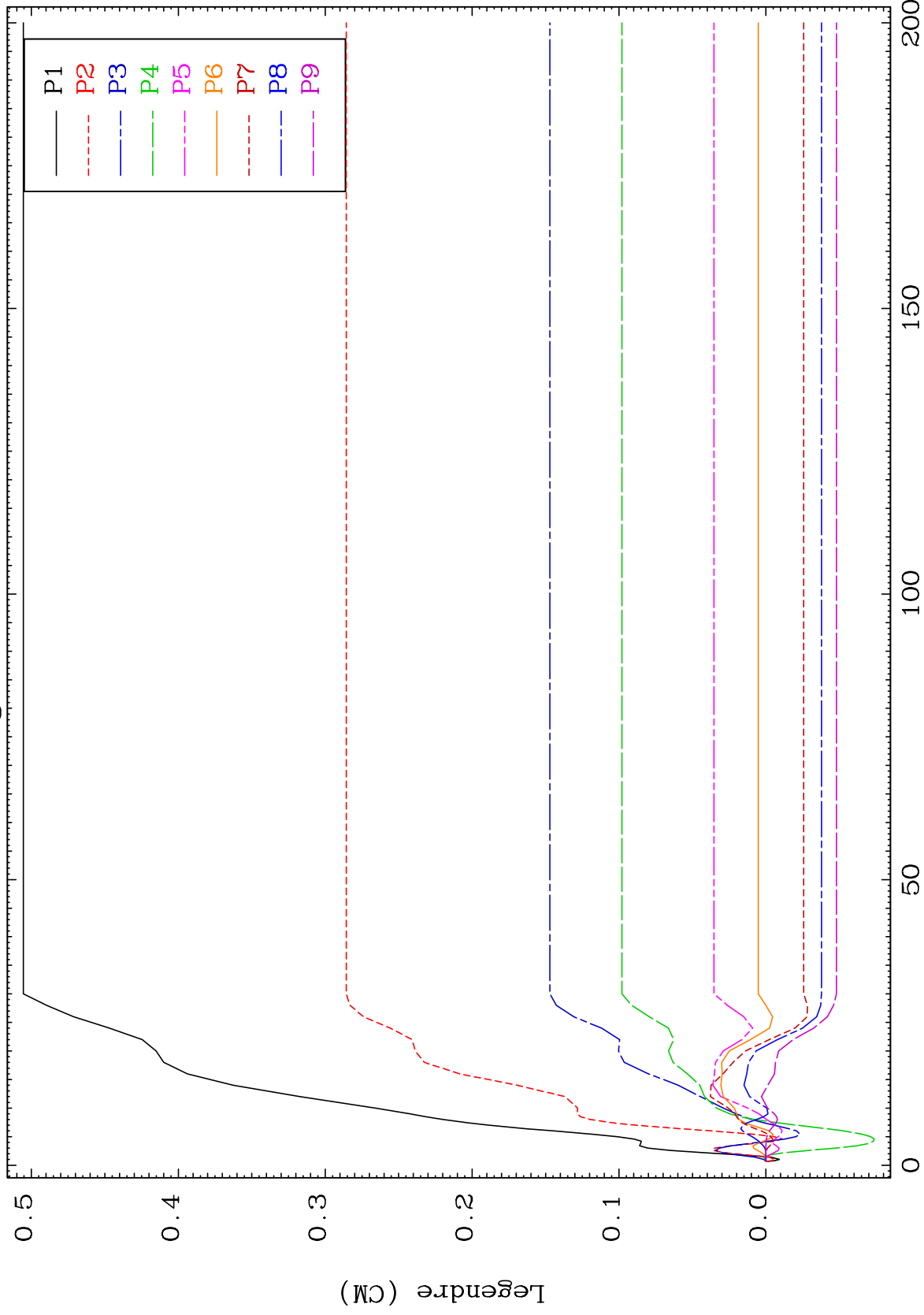
53-I -127



44

Incident Energy (MeV)

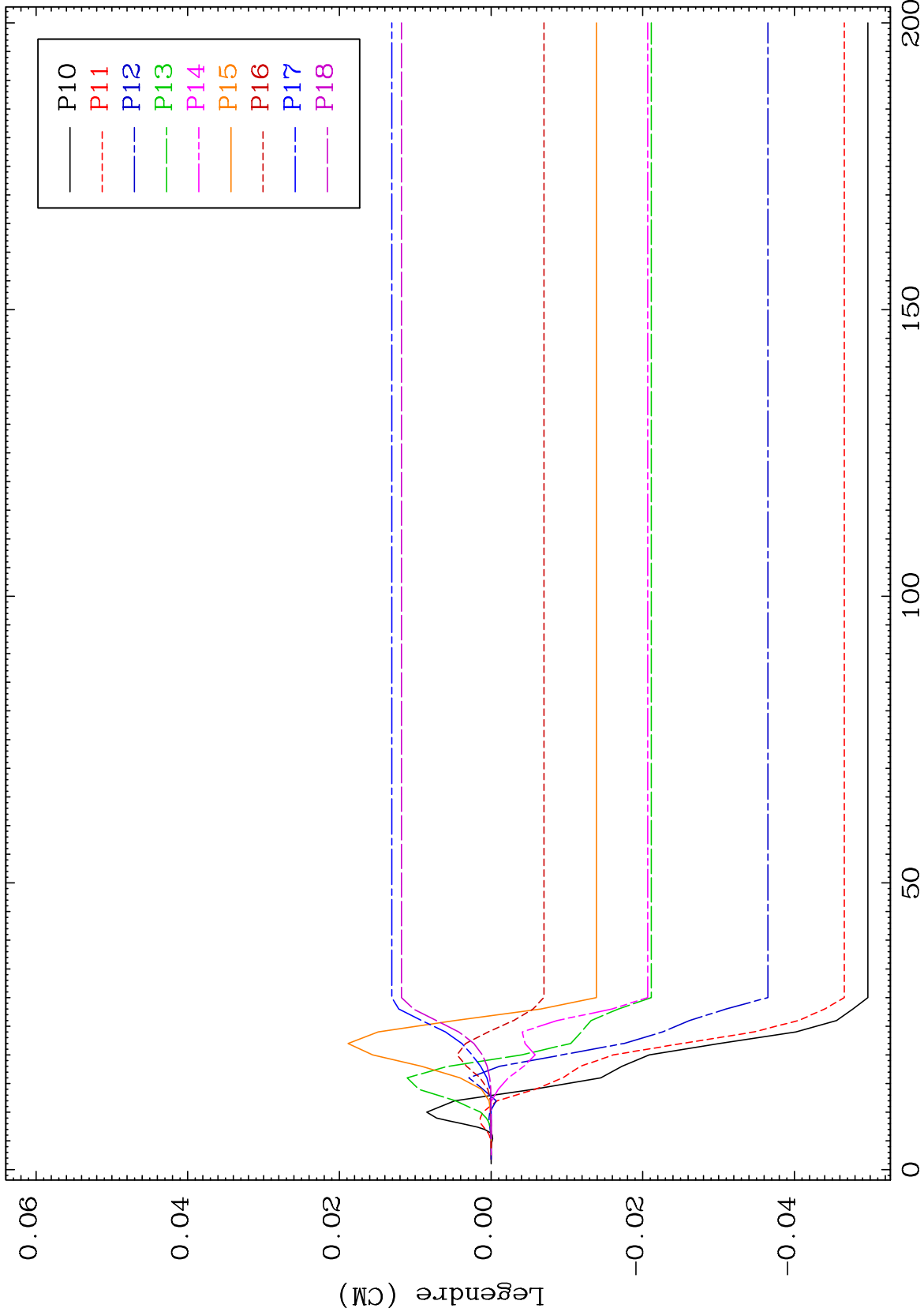
53-I -127



MAT 5325

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

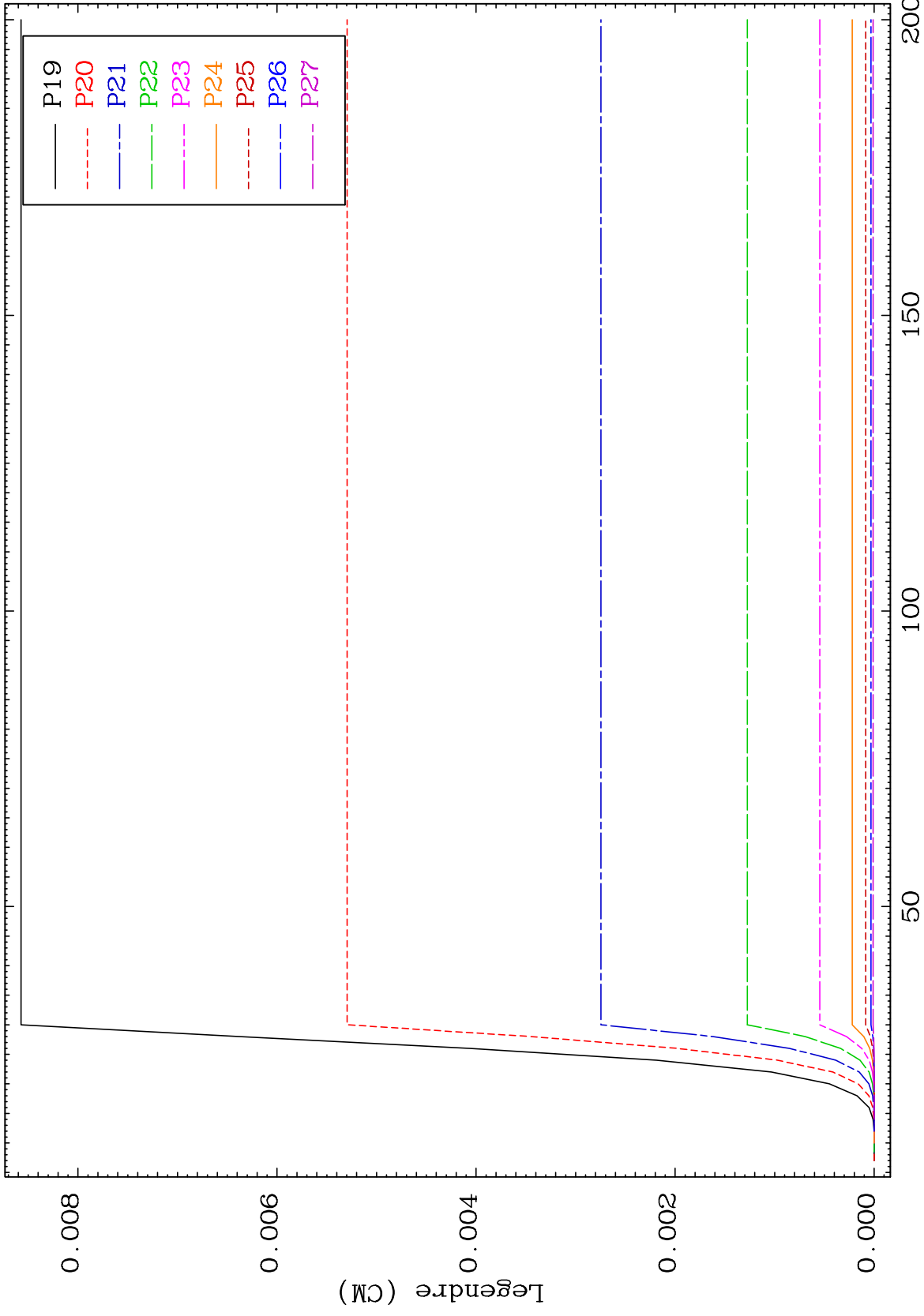
53-I -127



46

Incident Energy (MeV)

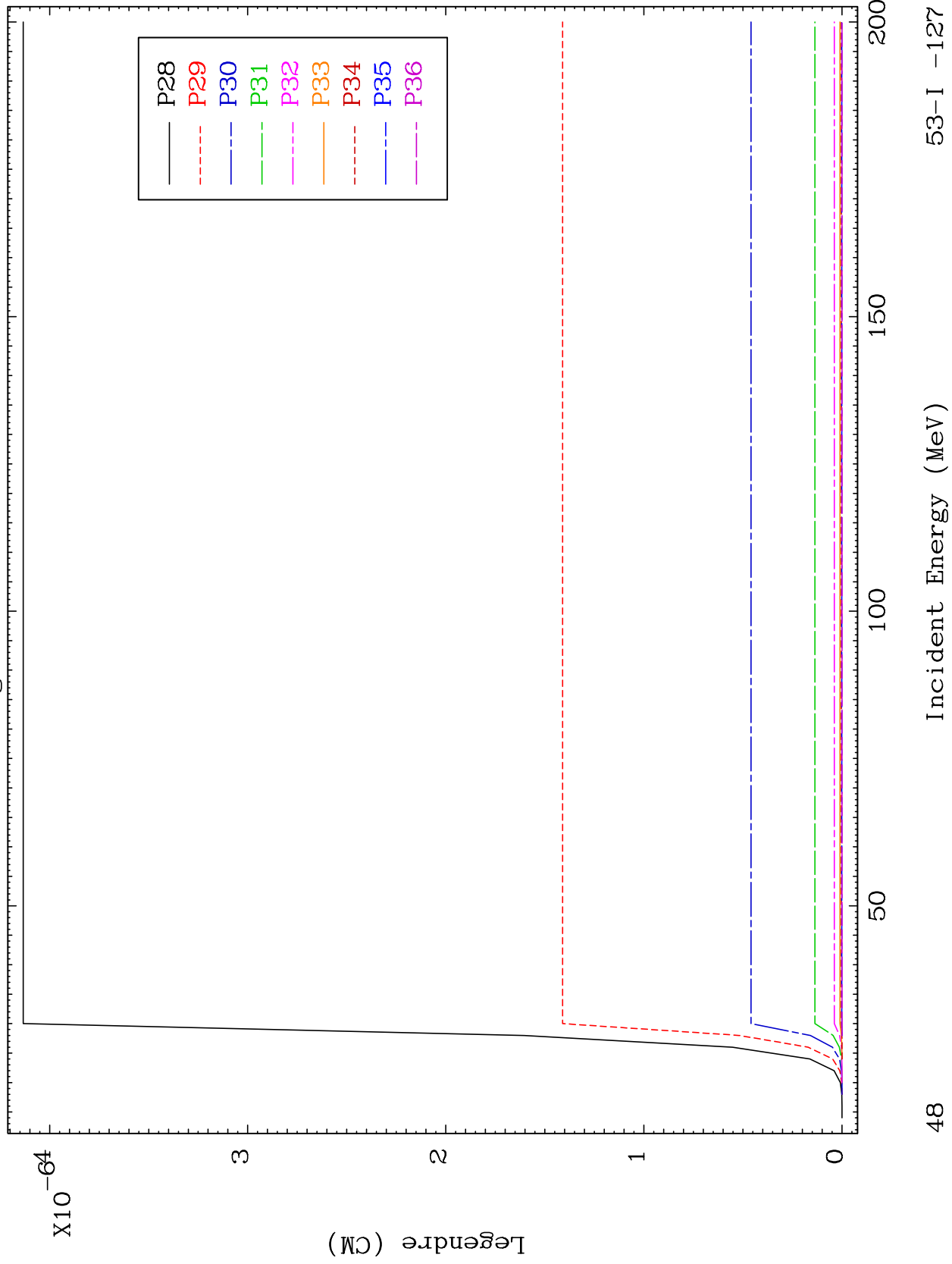
53-I -127



MAT 5325

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

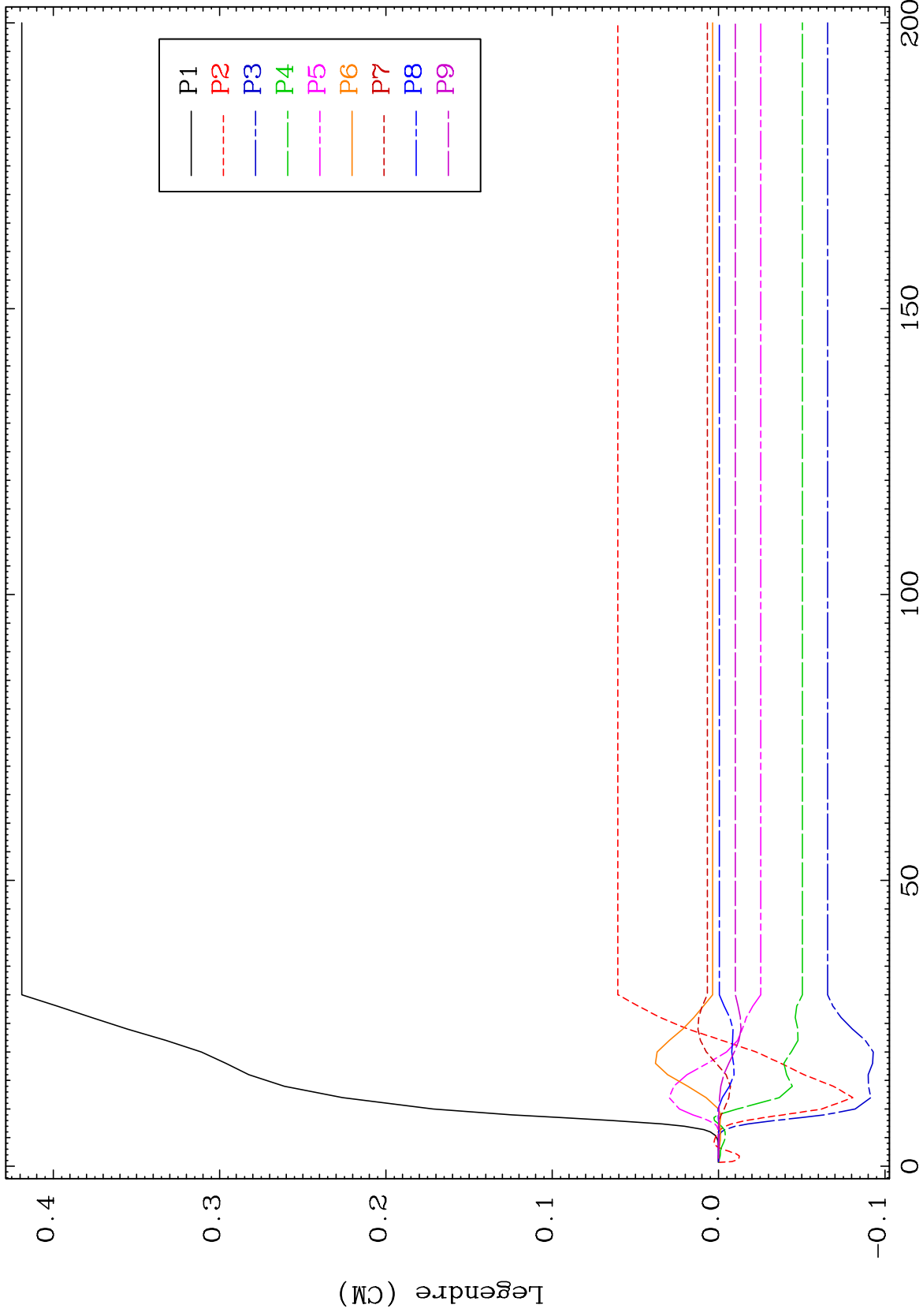
53-I -127



48

Incident Energy (MeV)

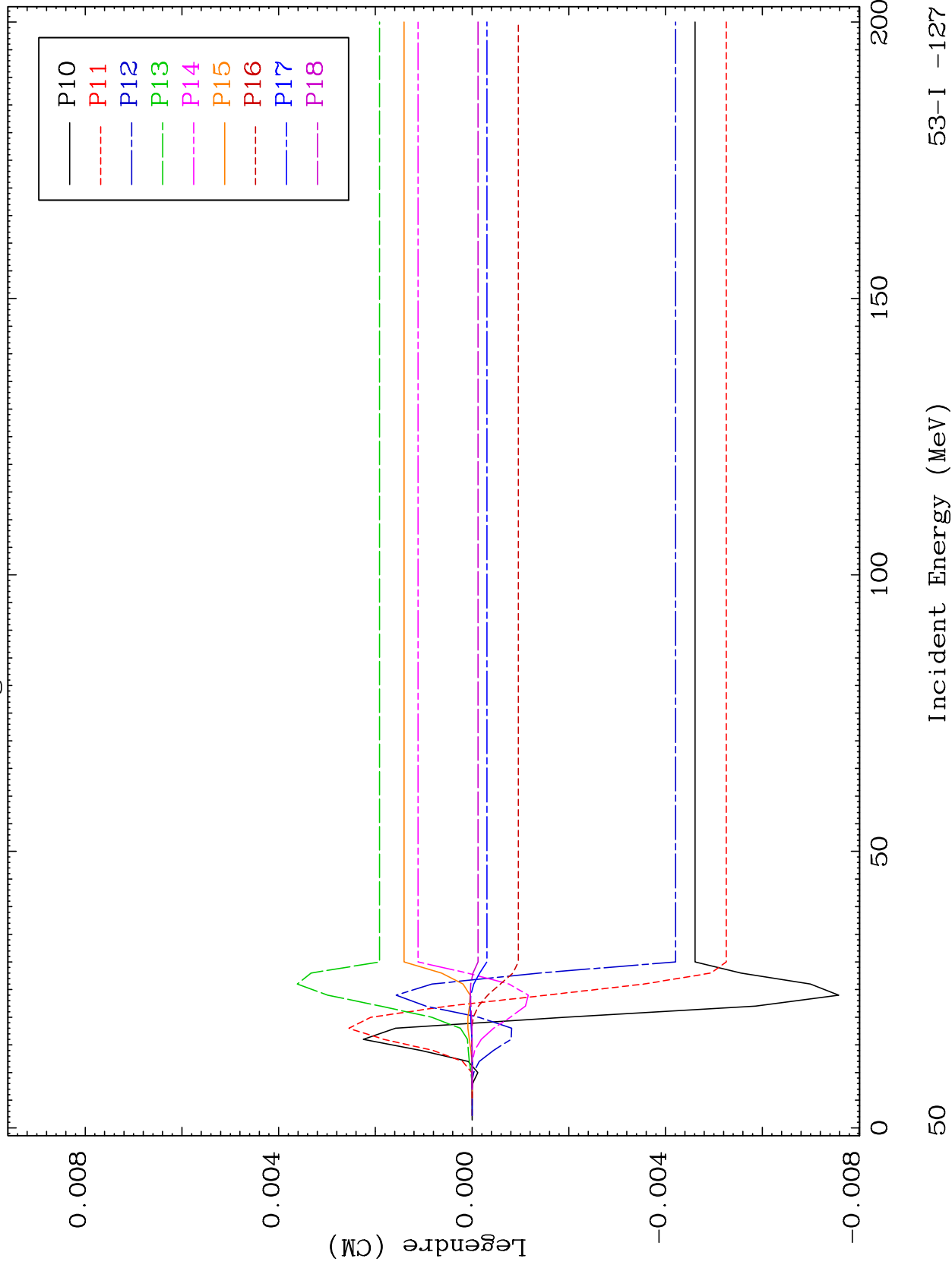
53-I -127



MAT 5325

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

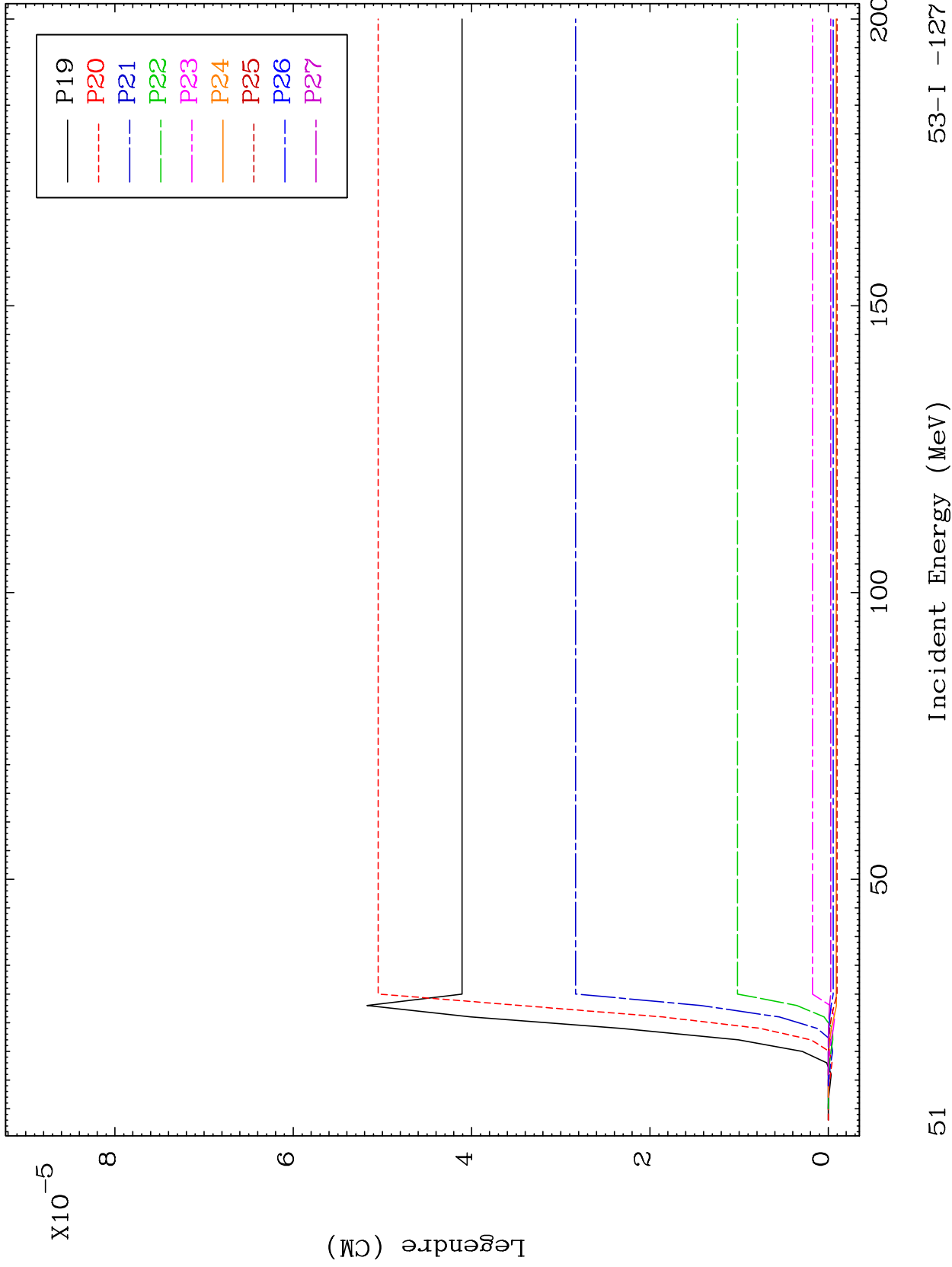
53-I -127



53-I -127

Incident Energy (MeV)

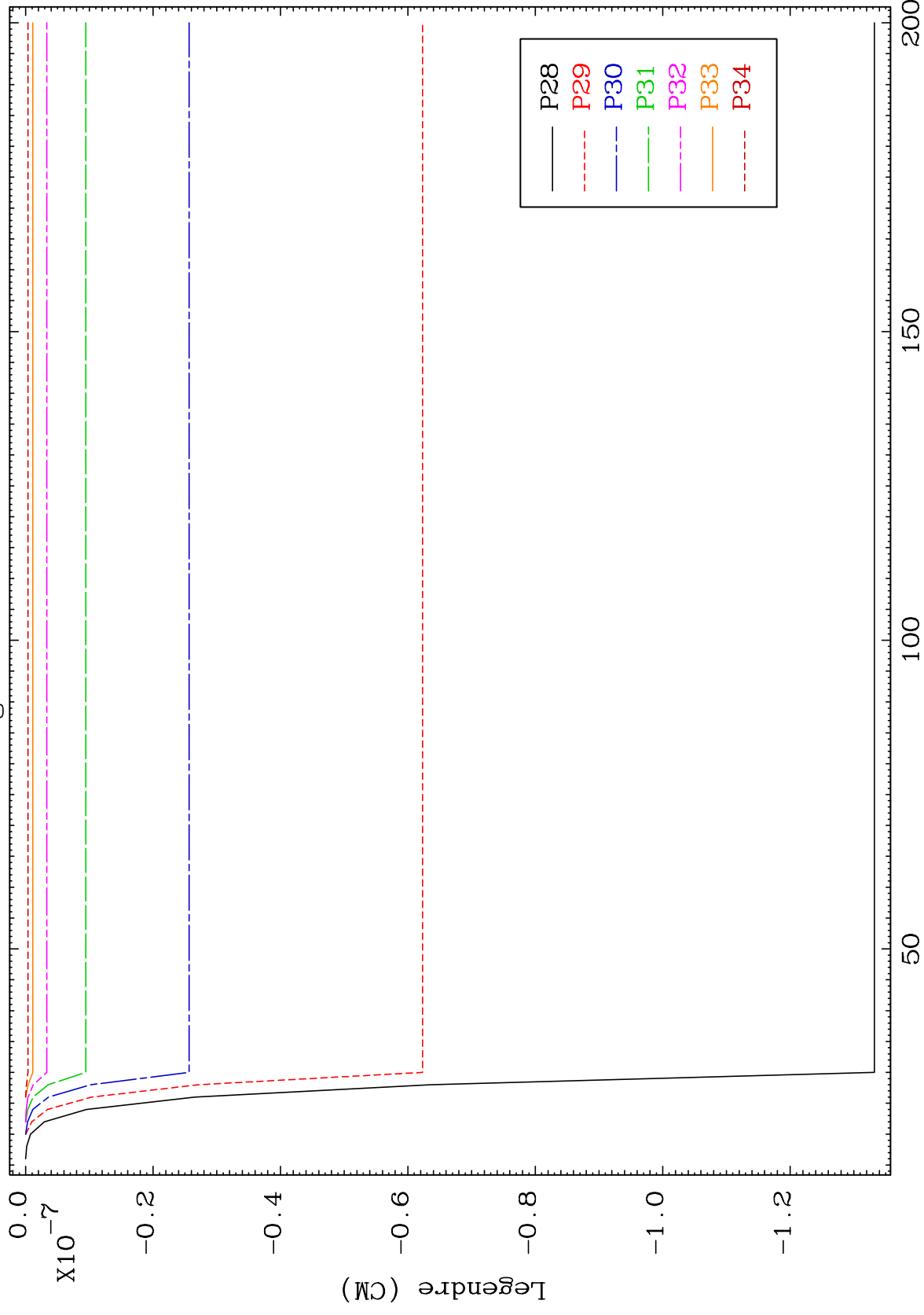
50



MAT 5325

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

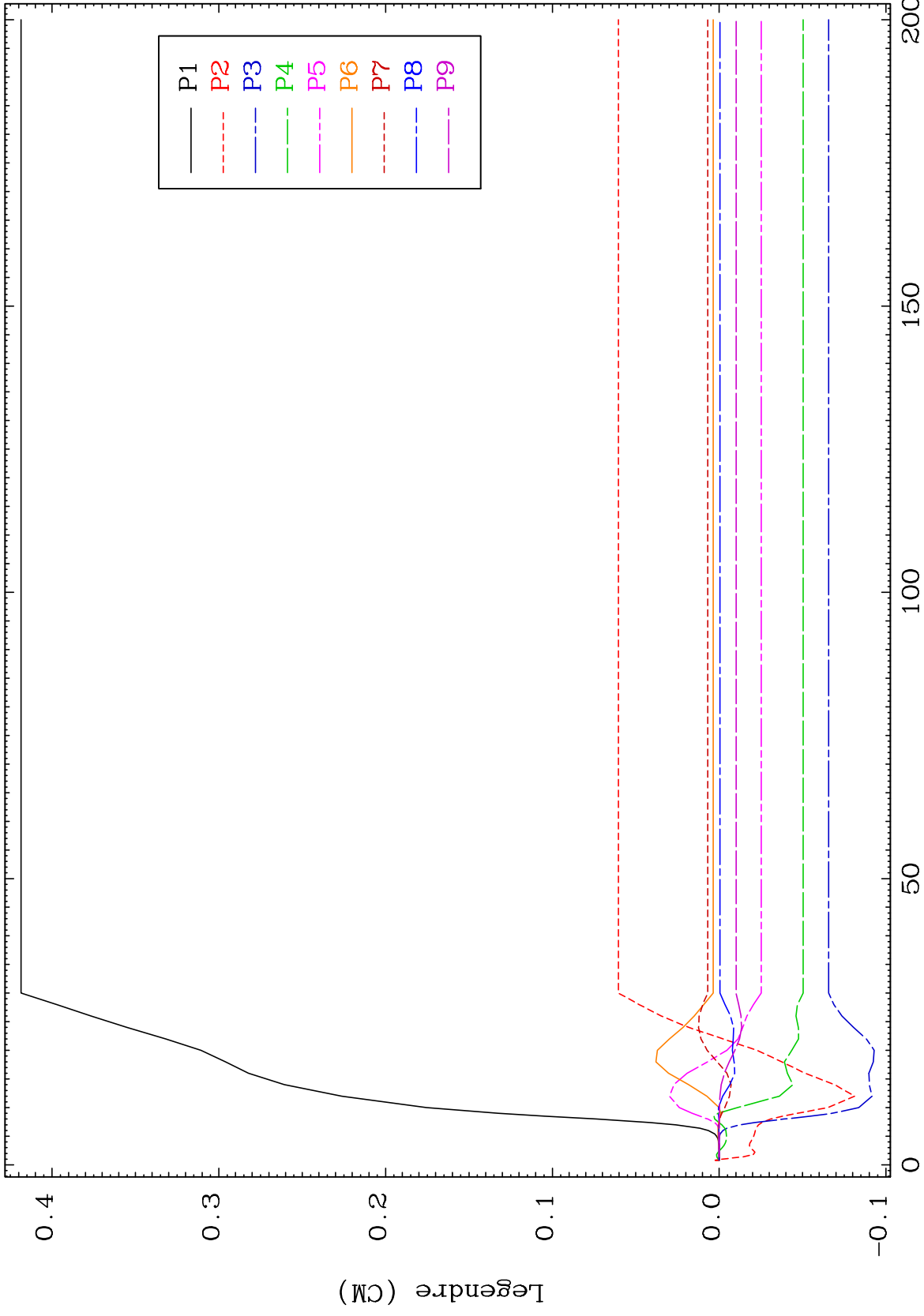
53-I -127



52

Incident Energy (MeV)

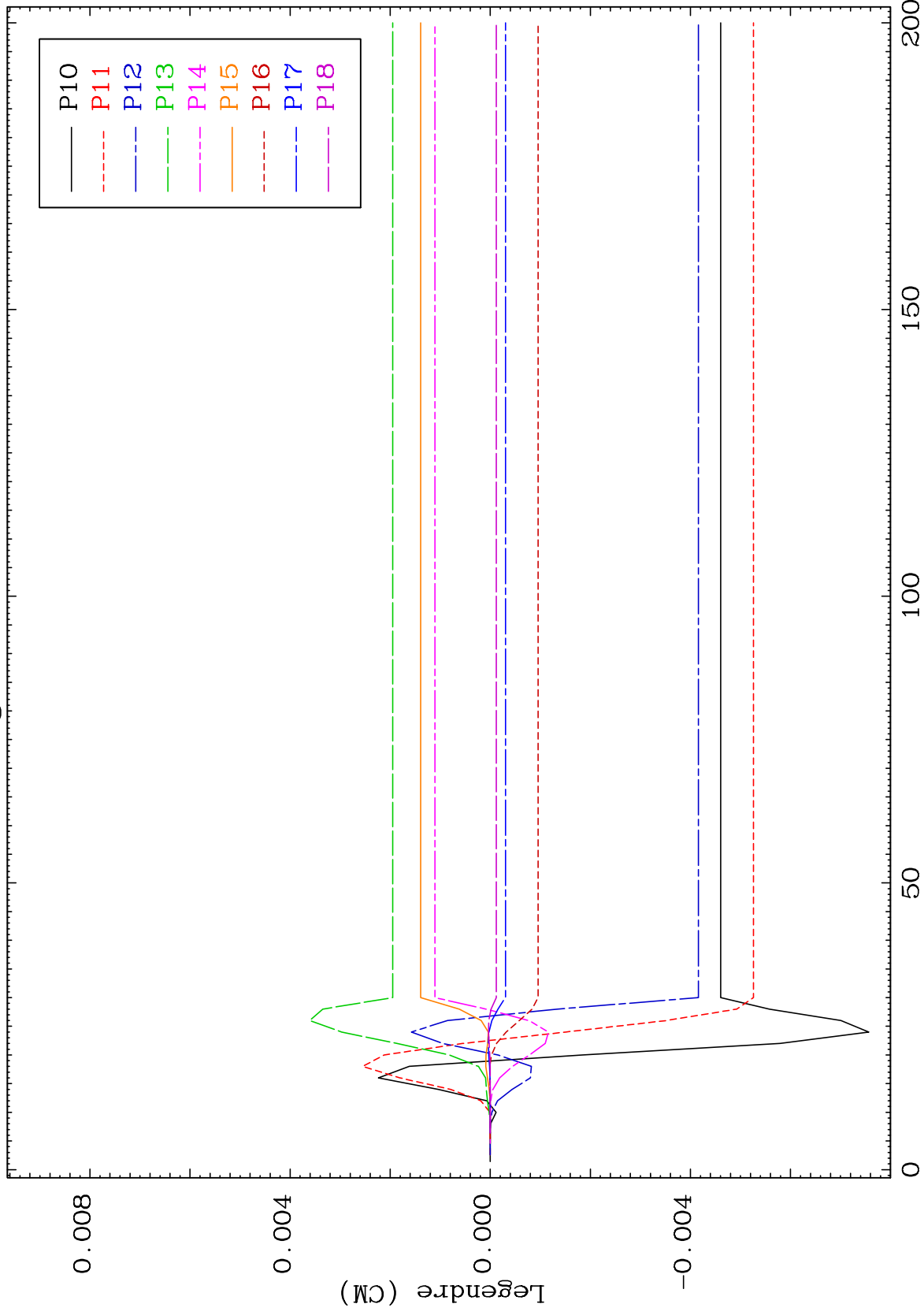
53-I -127



MAT 5325

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

53-I -127



54

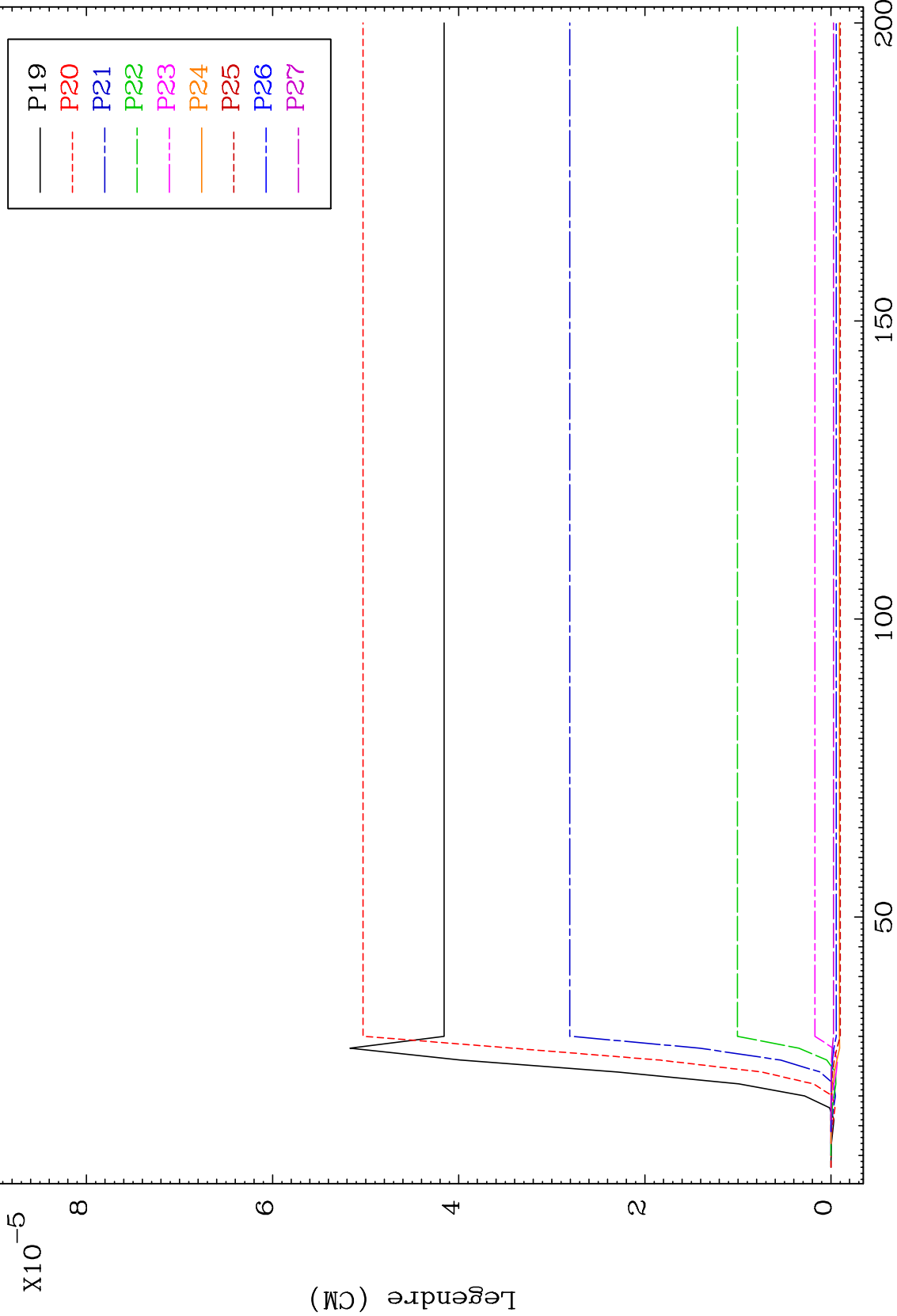
Incident Energy (MeV)

53-I -127

MAT 5325

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

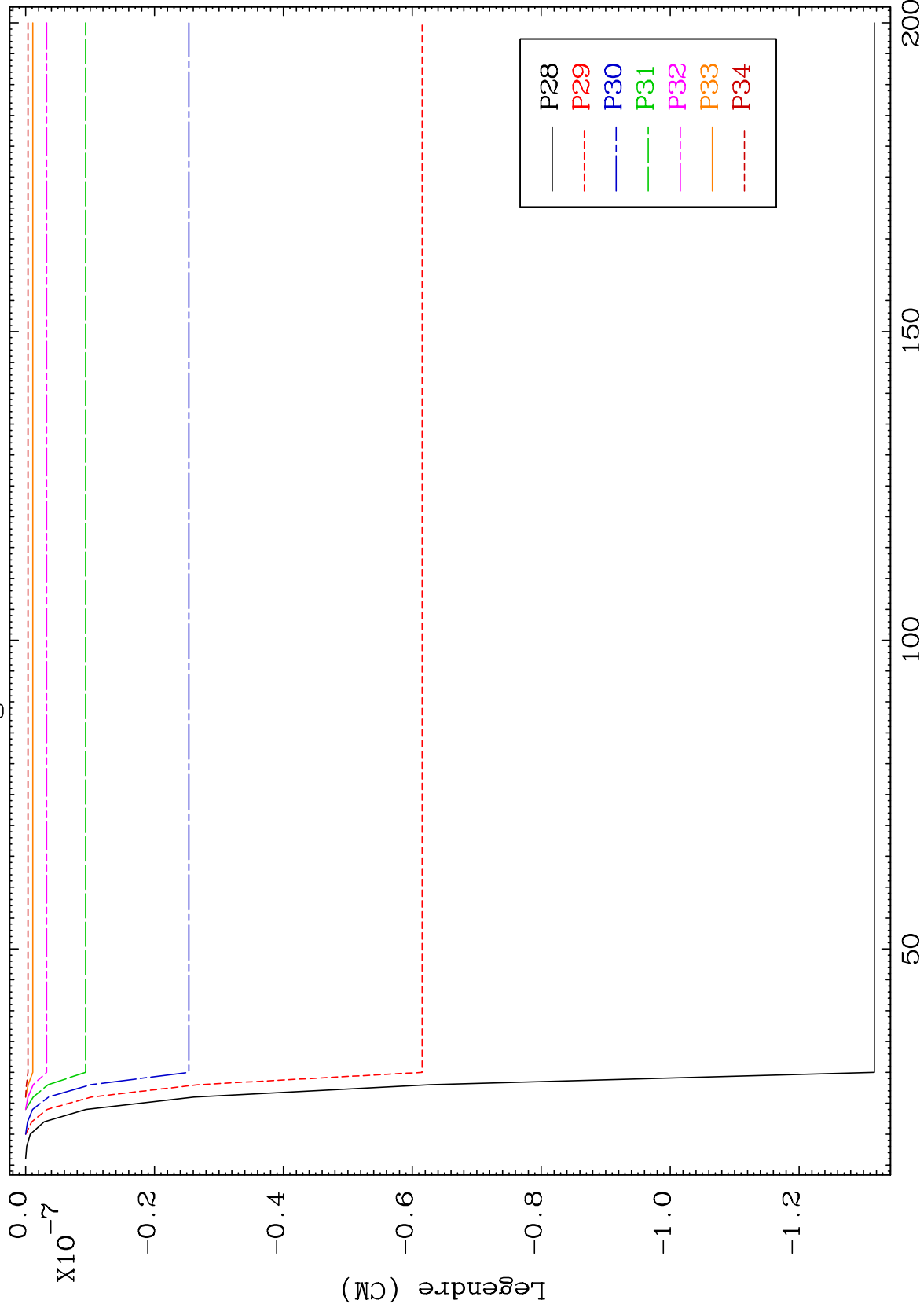
53-I -127

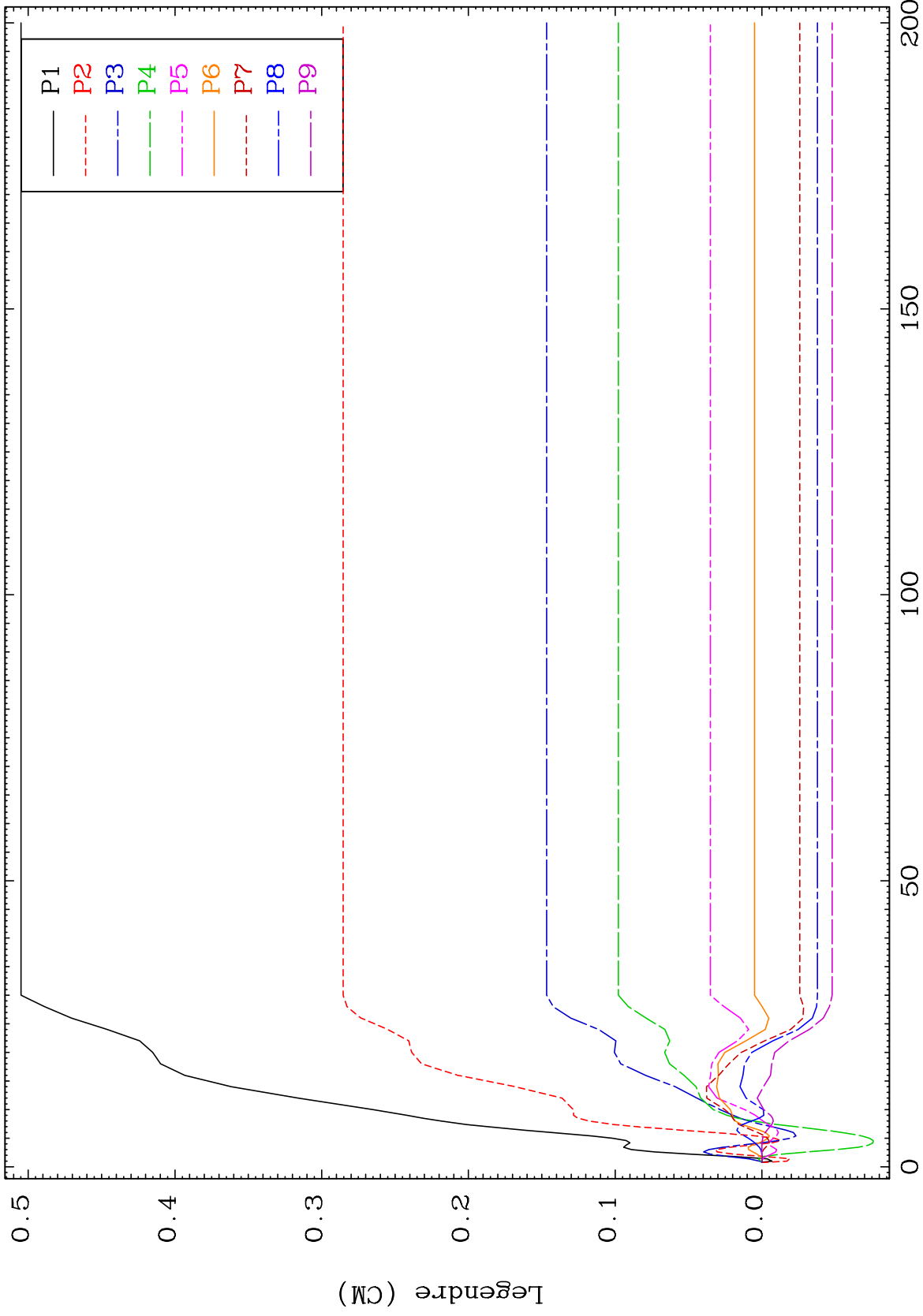


55

Incident Energy (MeV)

53-I -127

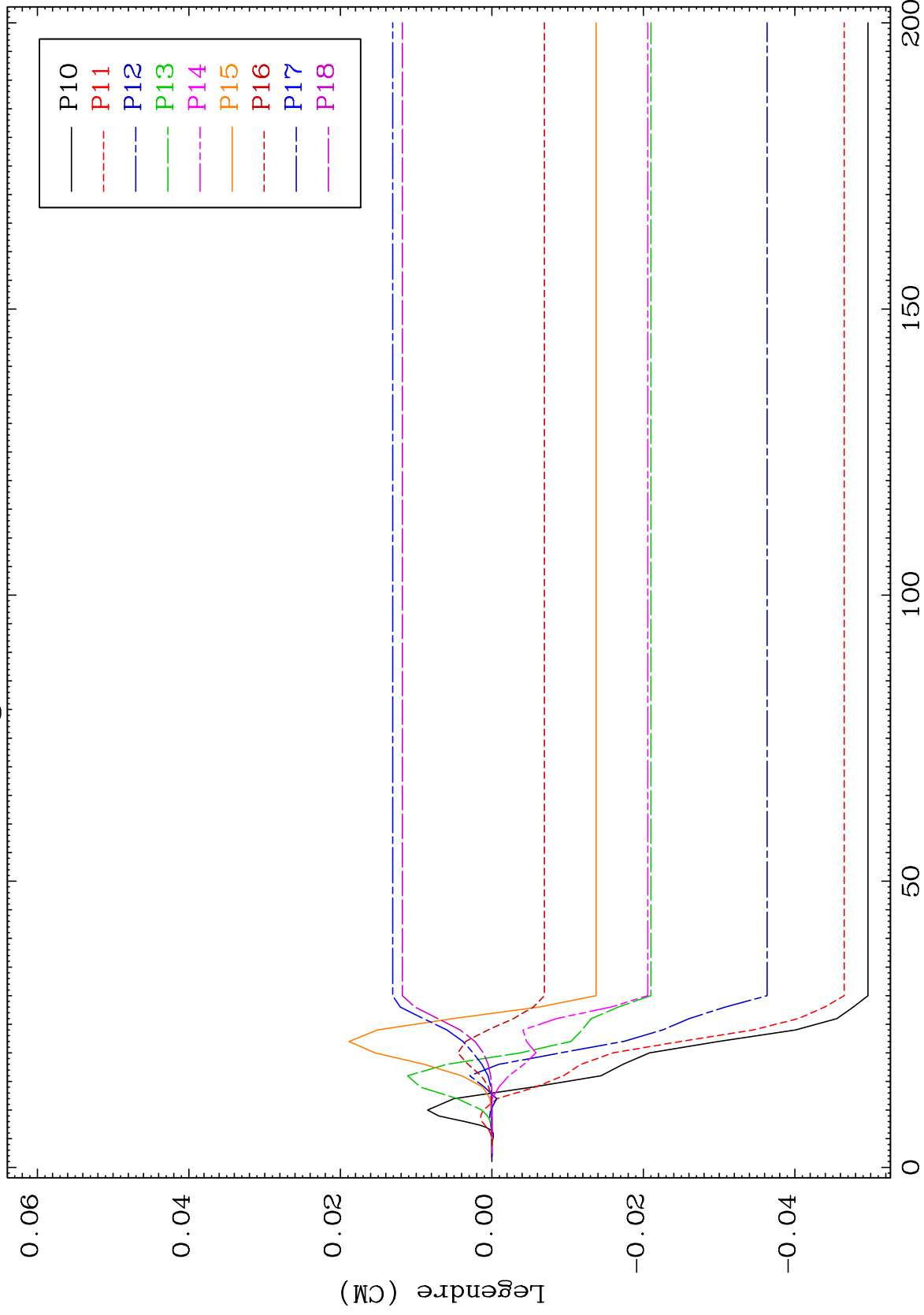




MAT 5325

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

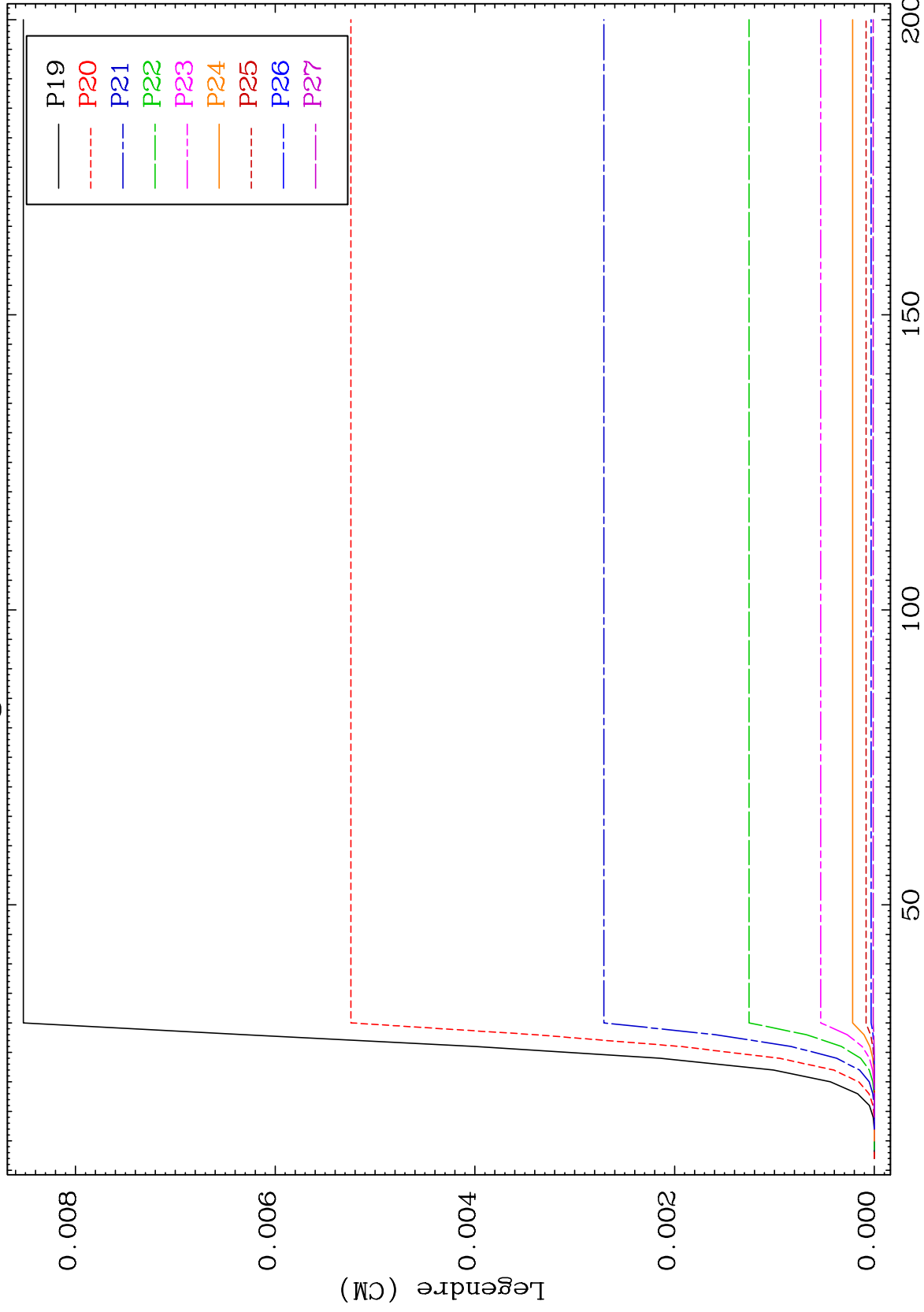
53-I -127



58

Incident Energy (MeV)

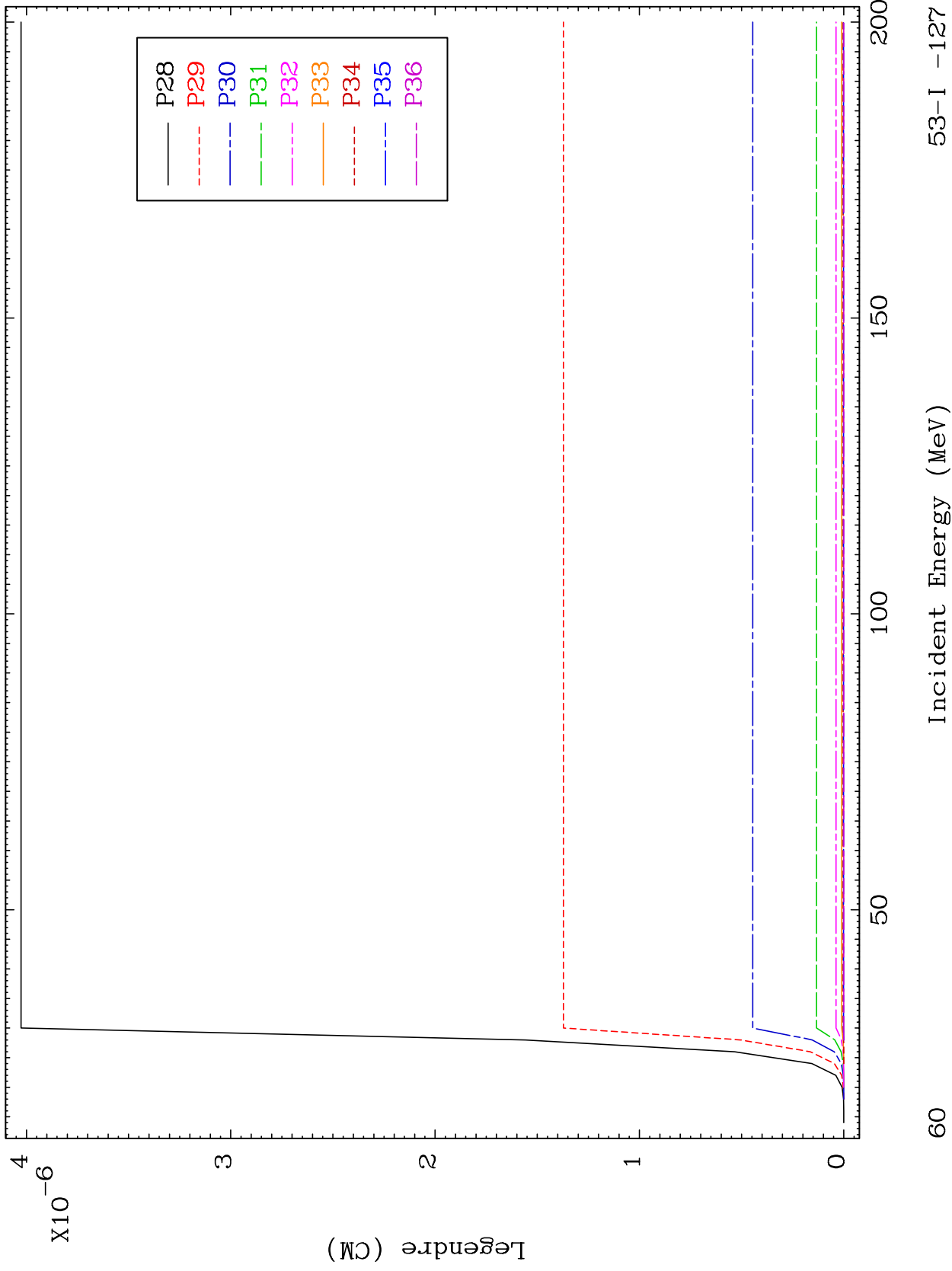
53-I -127

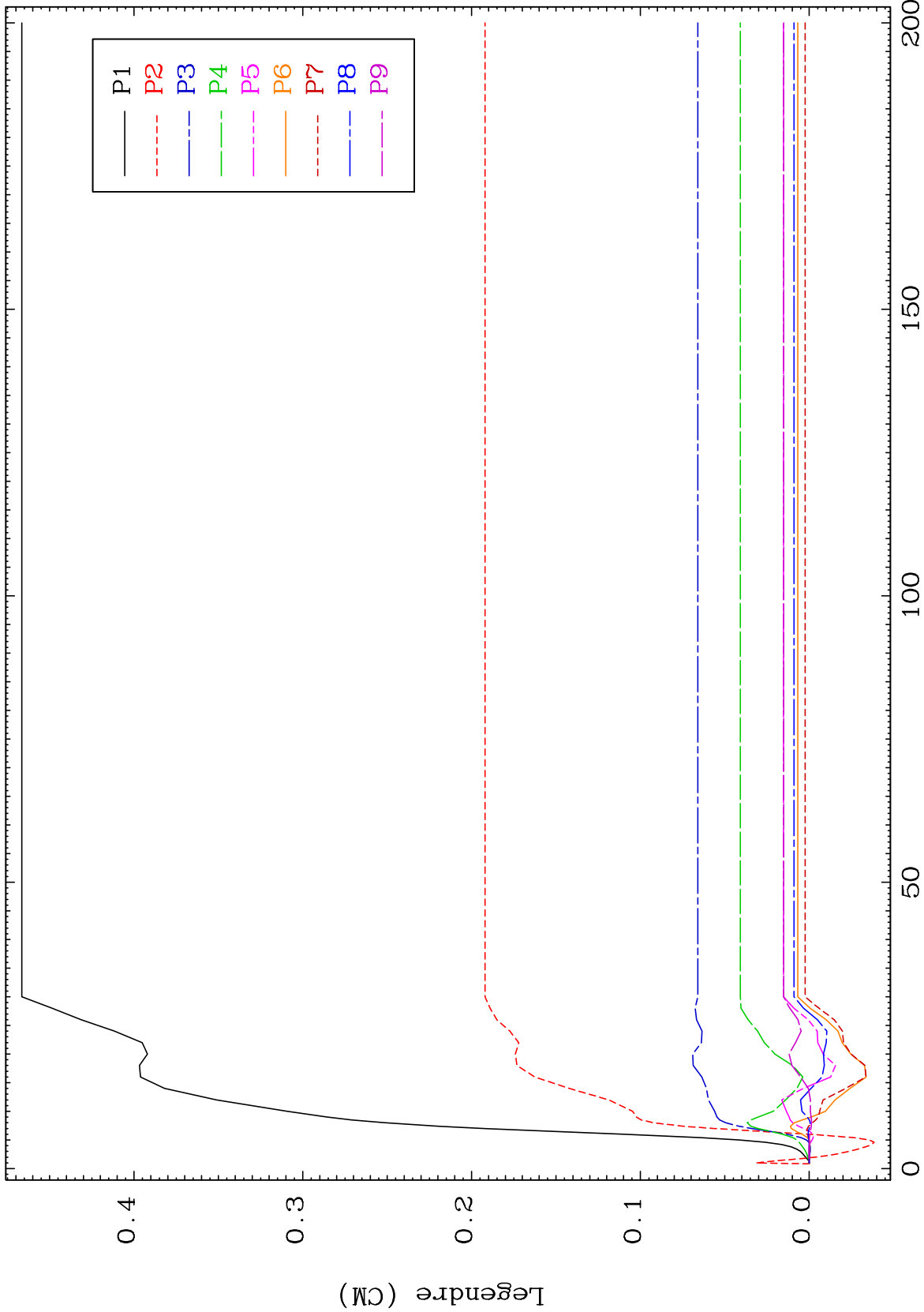


MAT 5325

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

53-I -127

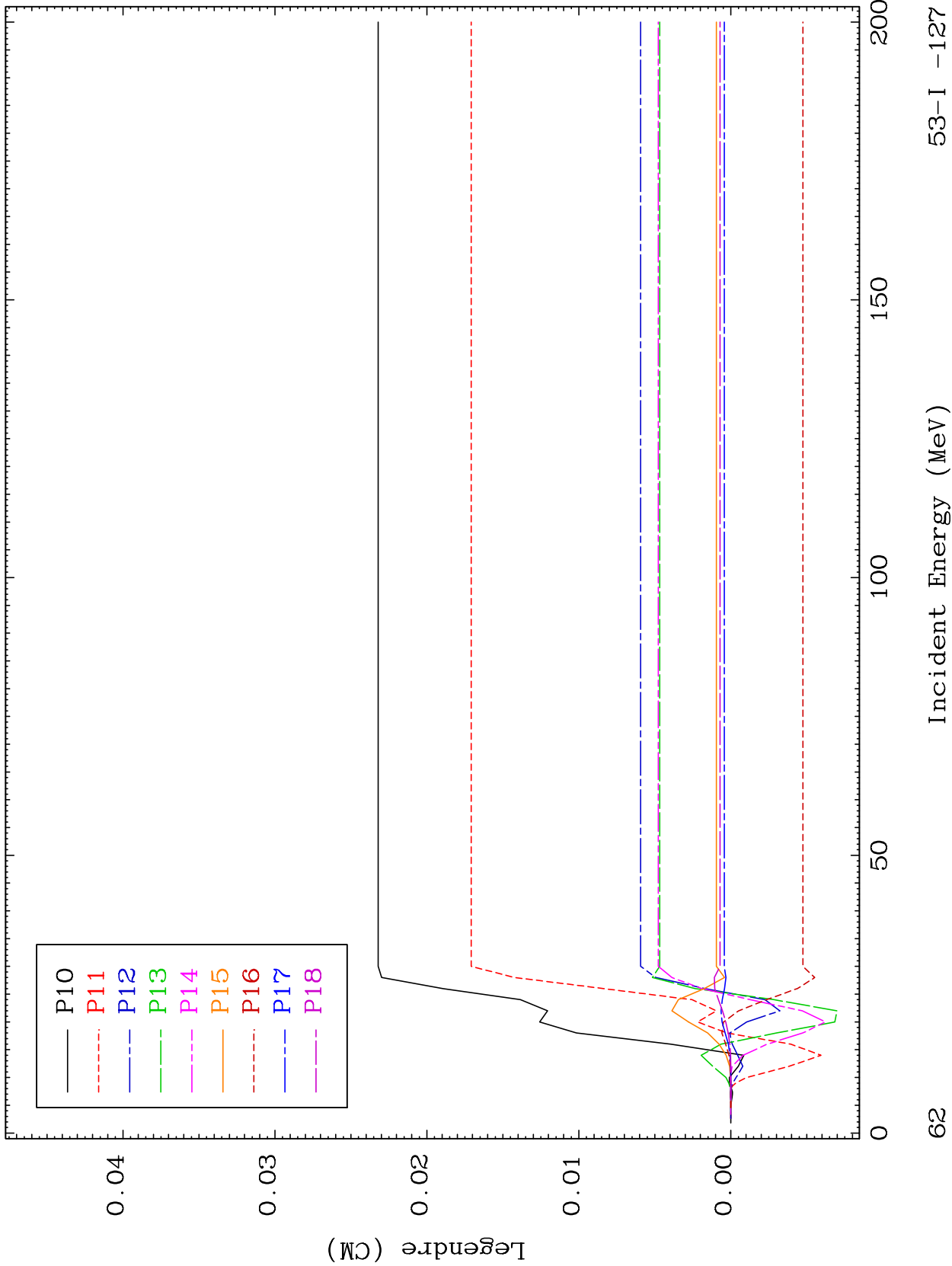




MAT 5325

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

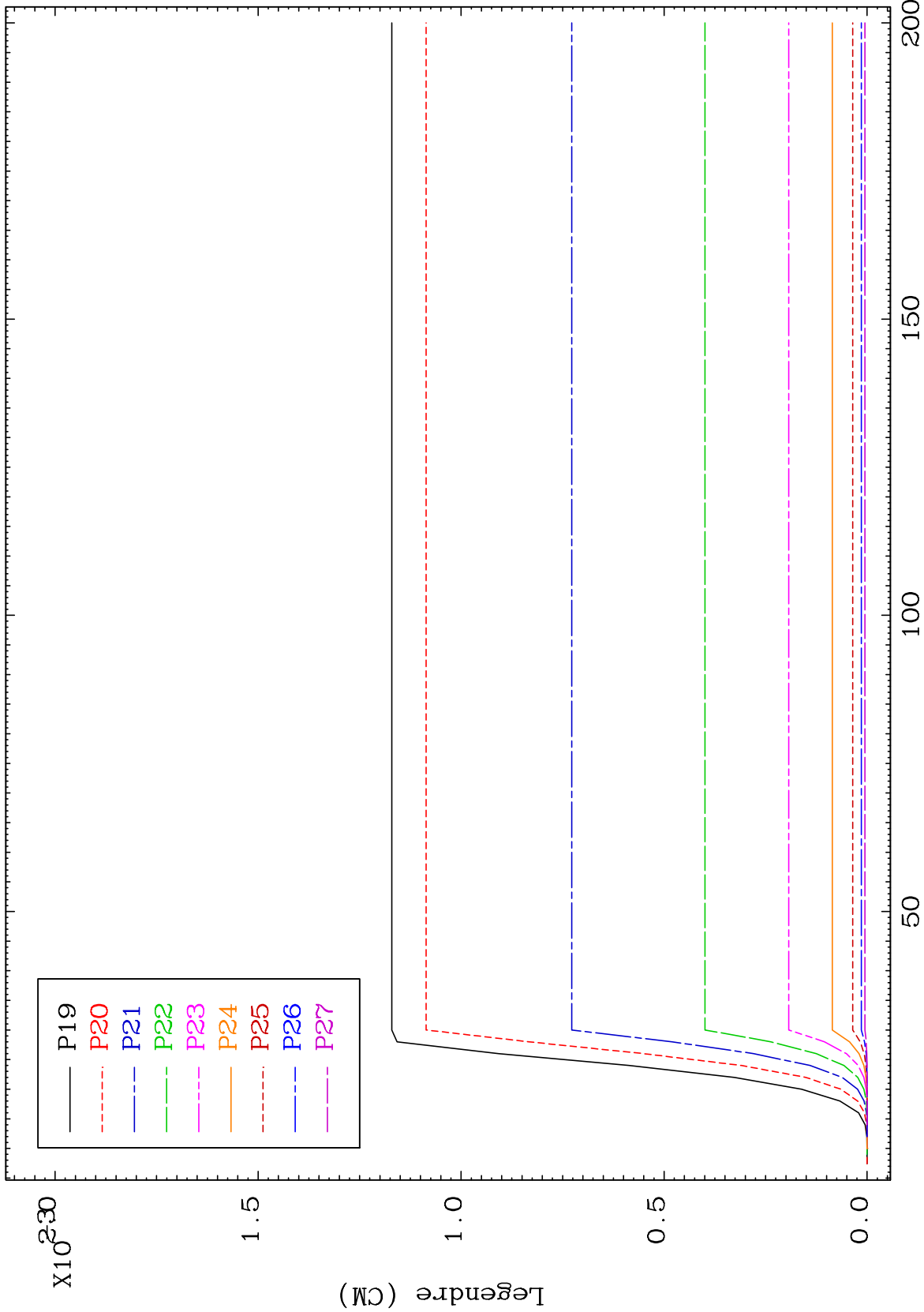
53-I -127

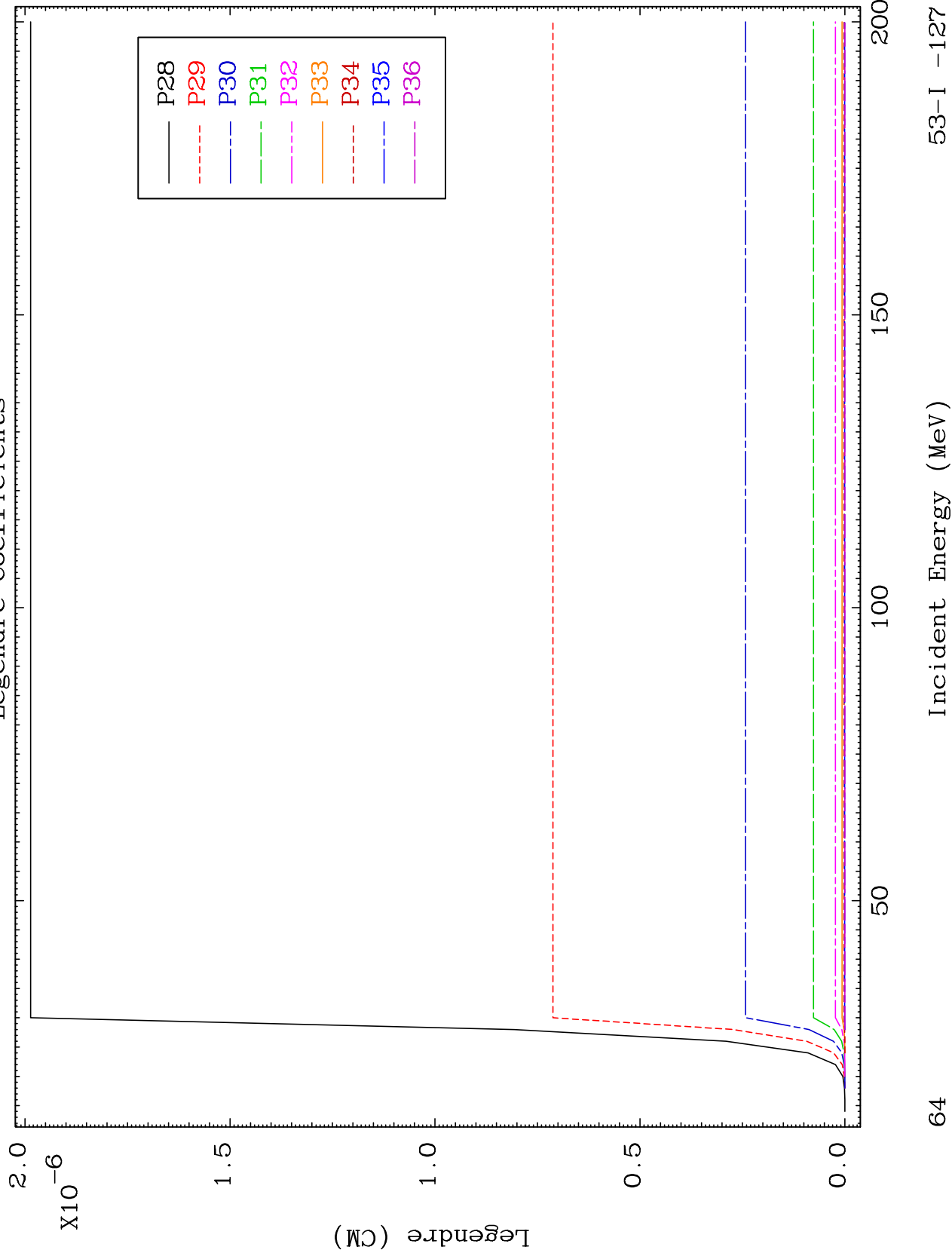


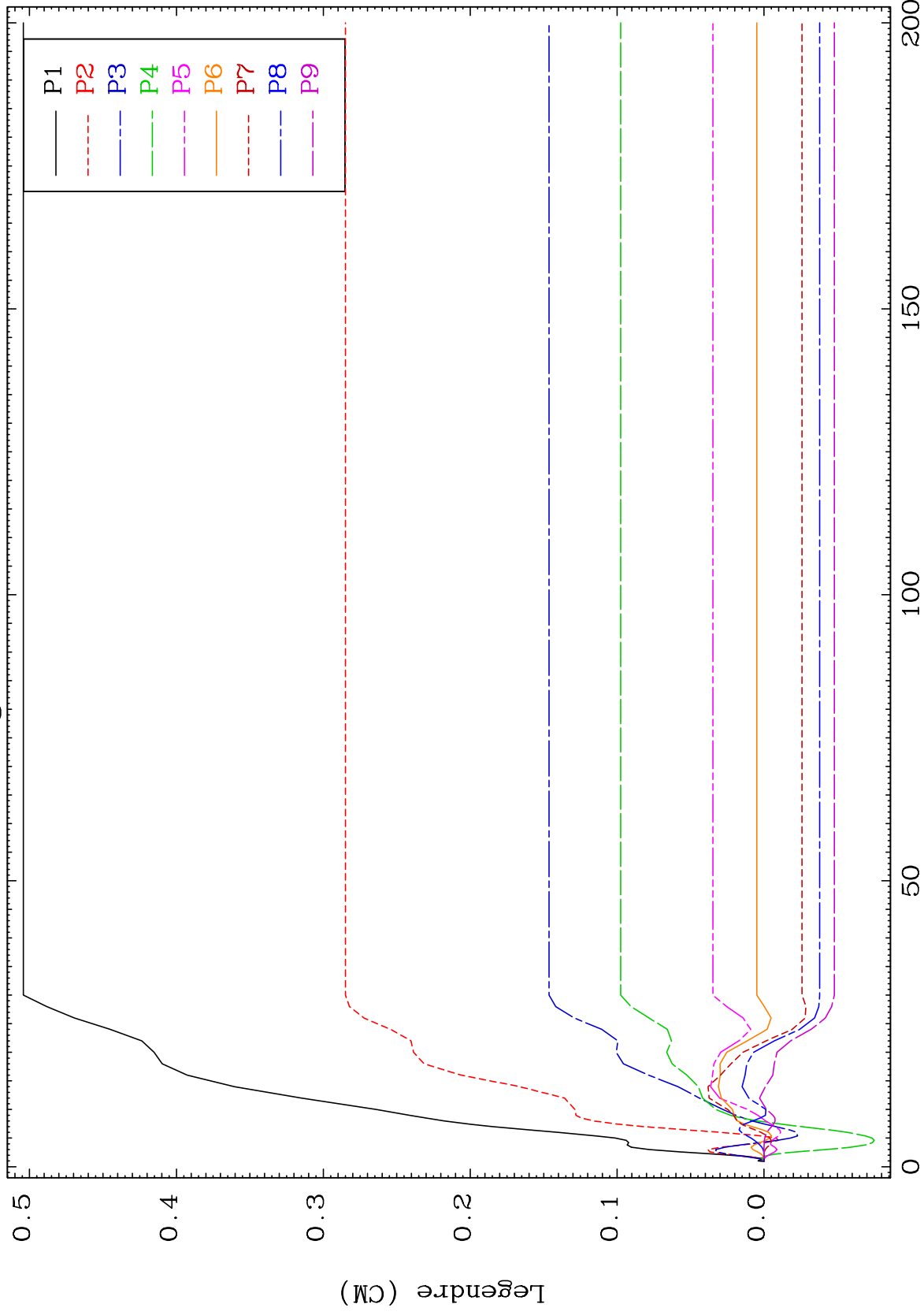
53-I -127

Incident Energy (MeV)

62



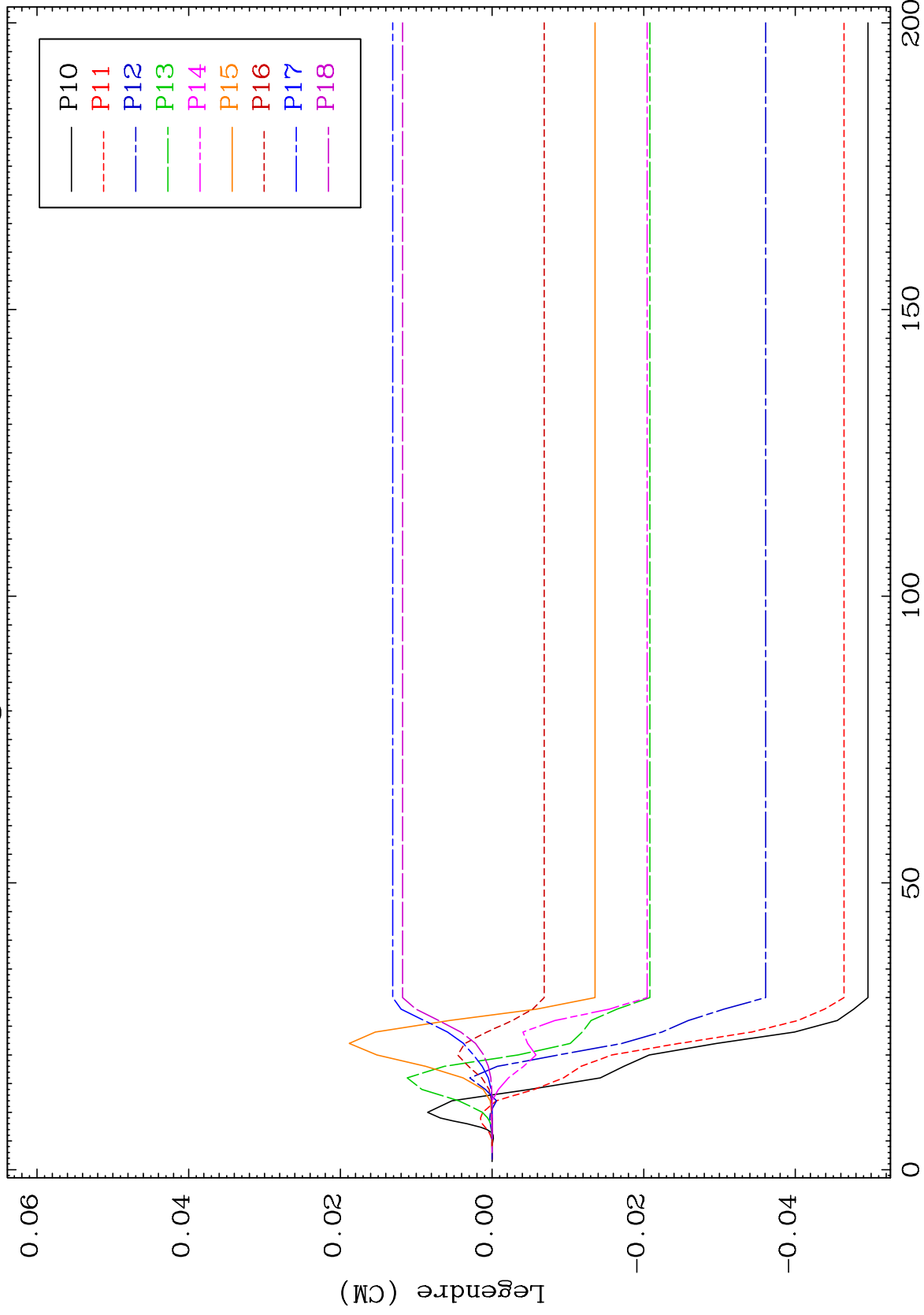




MAT 5325

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

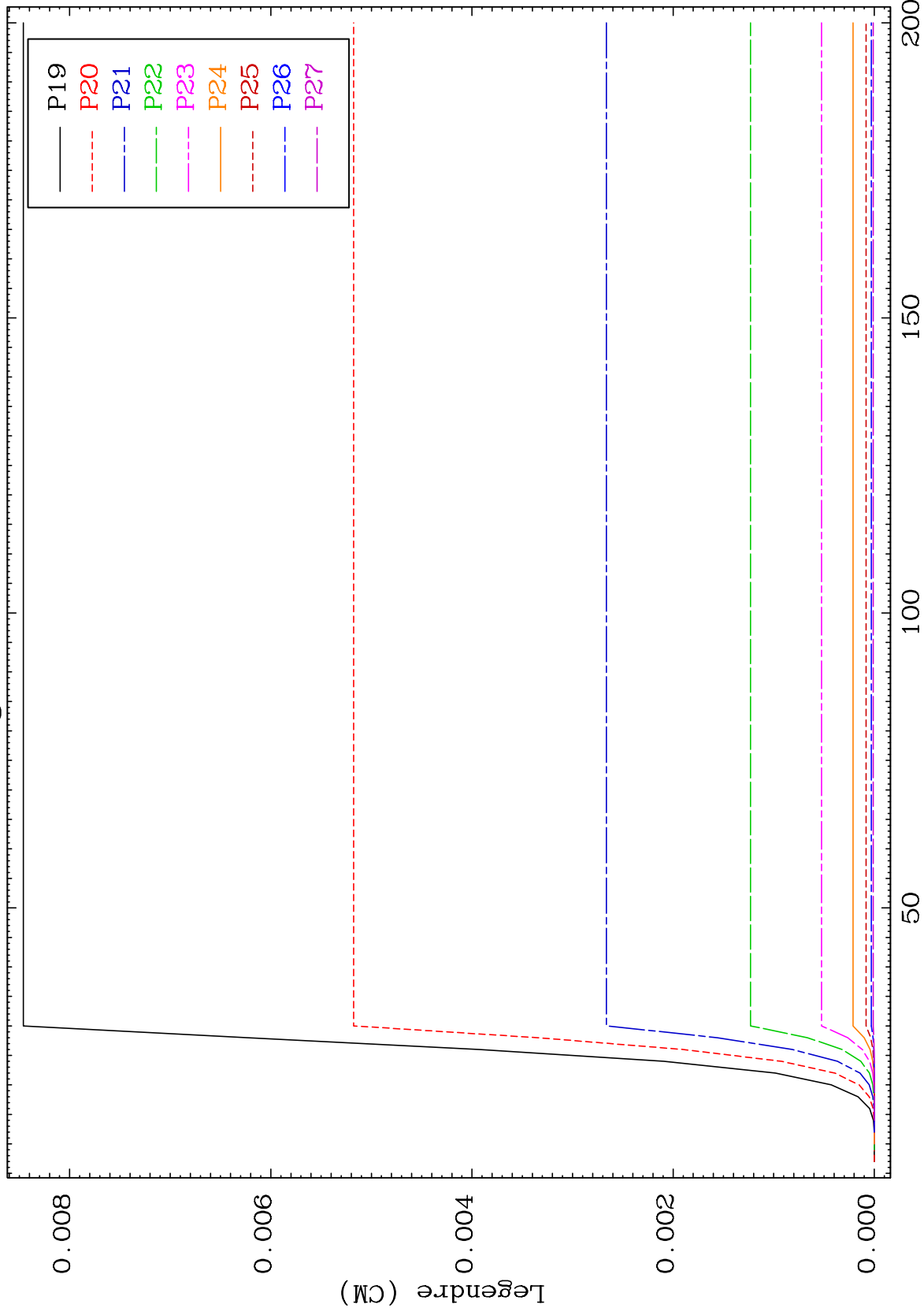
53-I -127



66

Incident Energy (MeV)

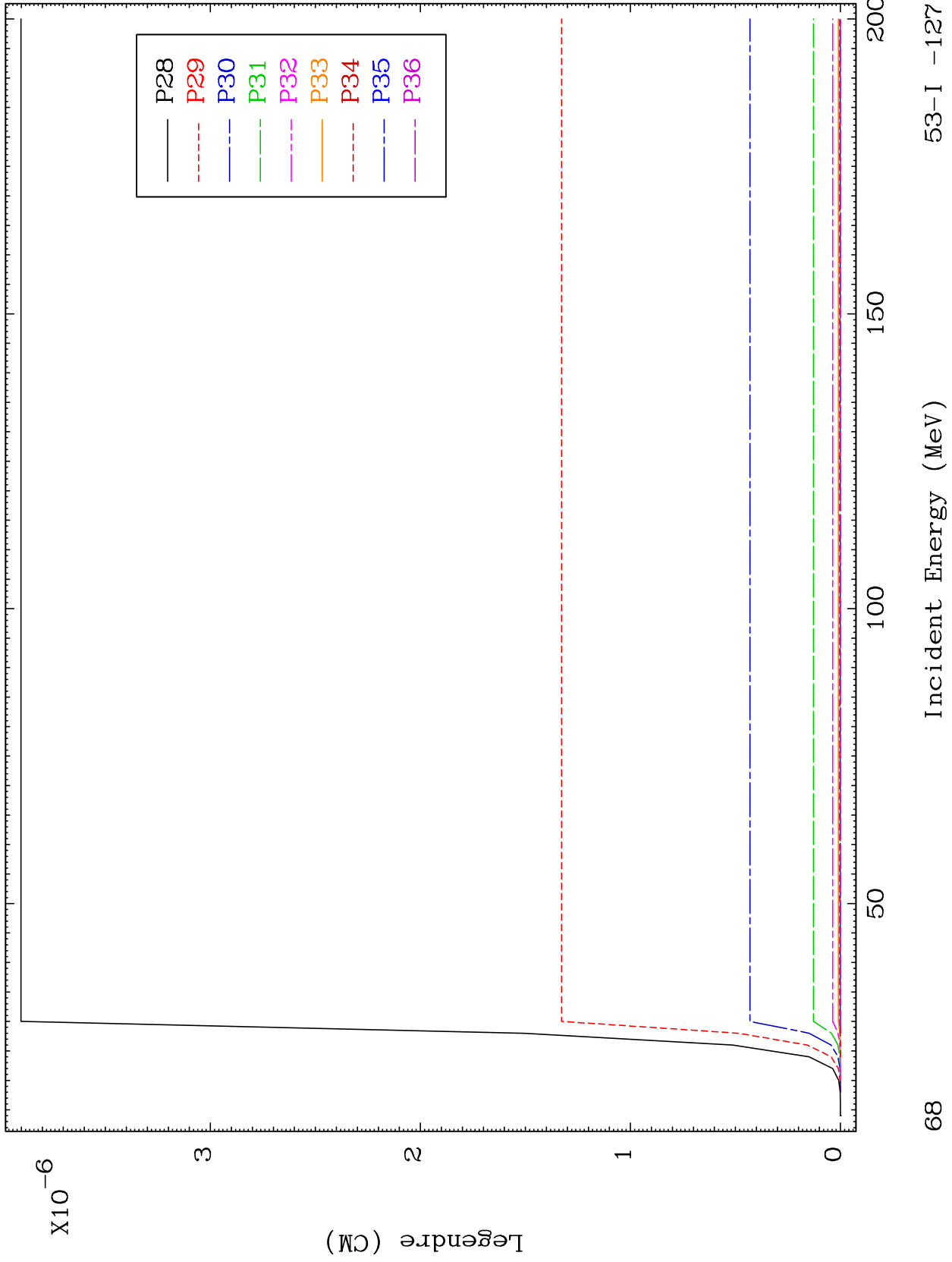
53-I -127

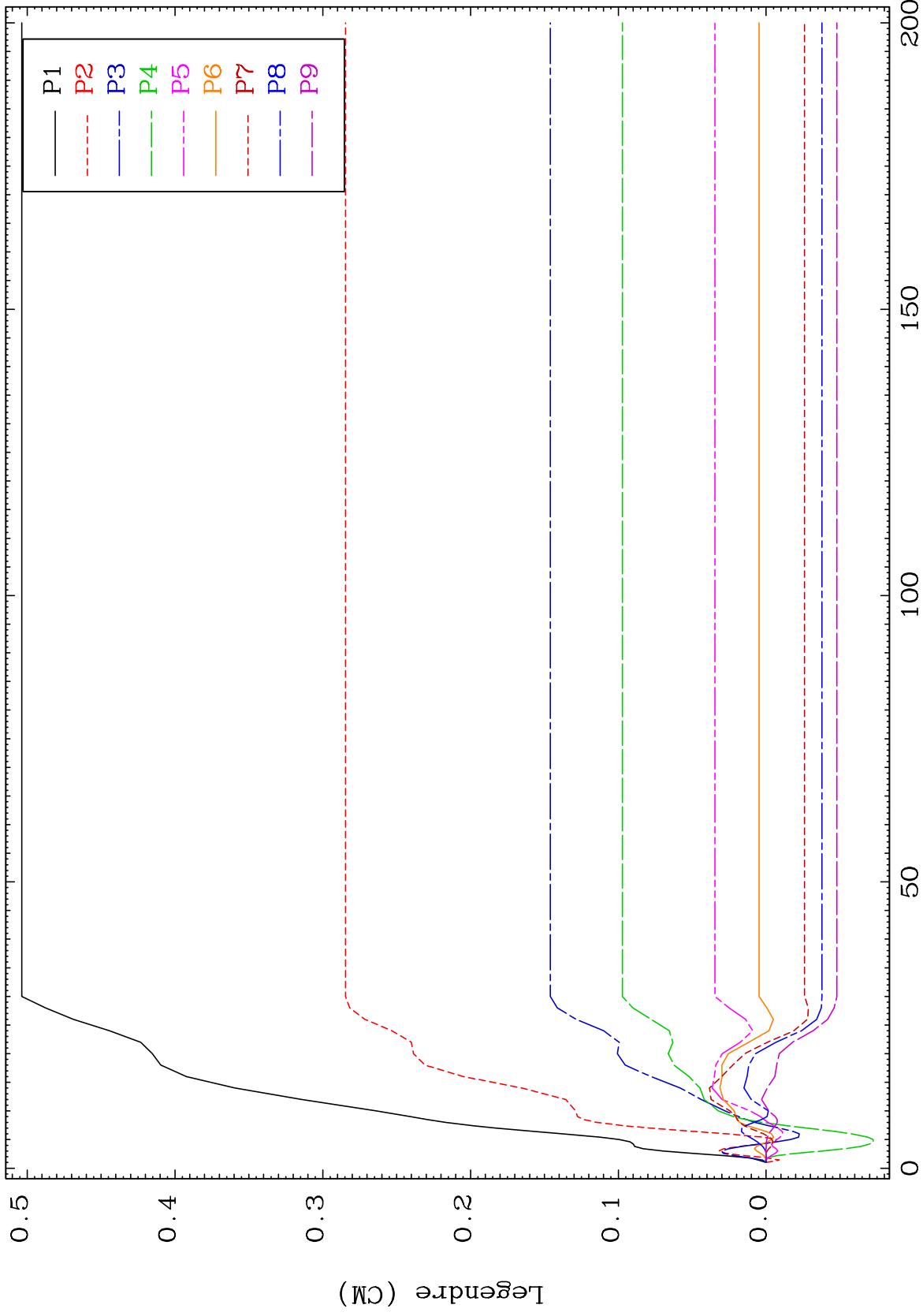


MAT 5325

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

53-I -127

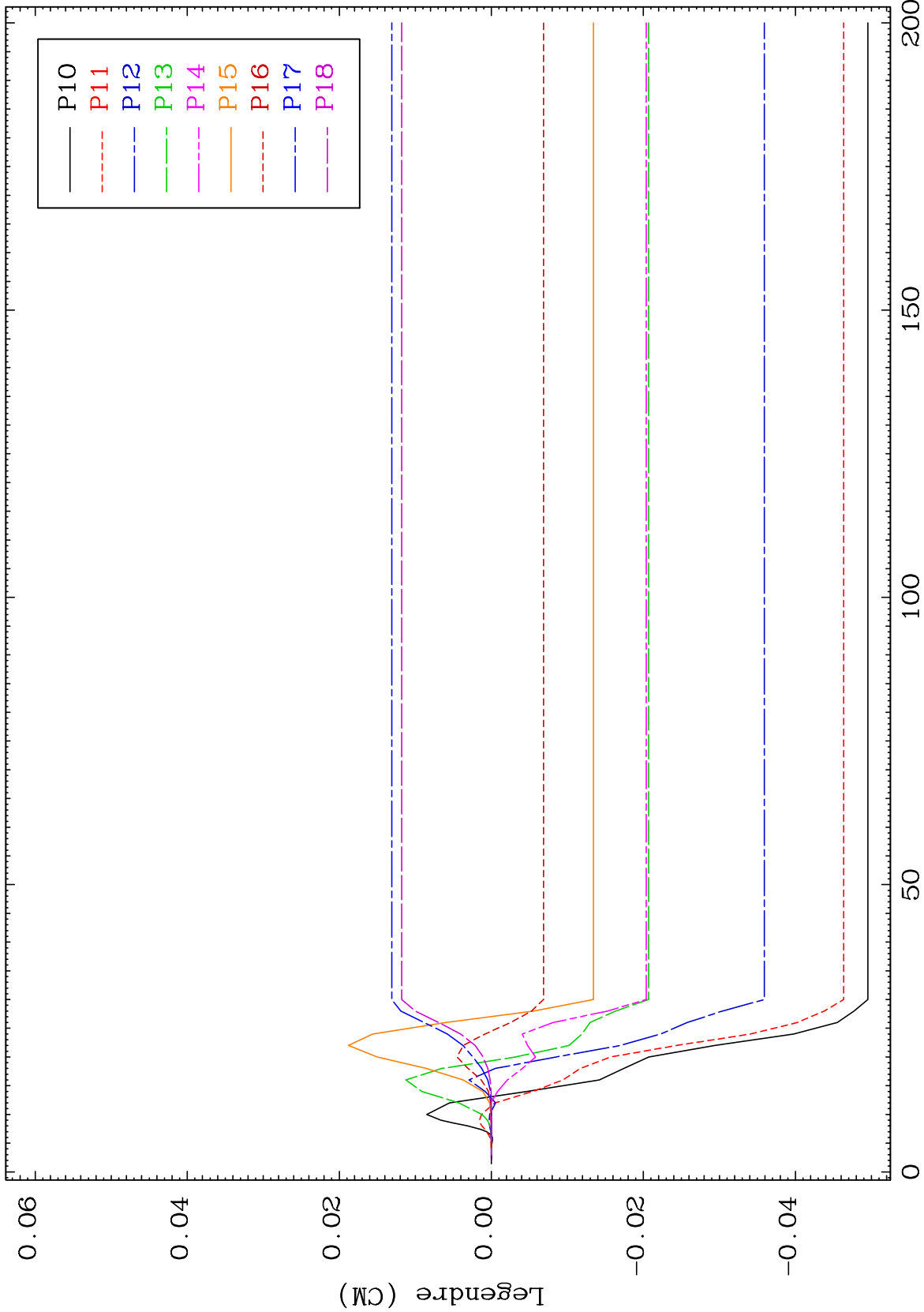




MAT 5325

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

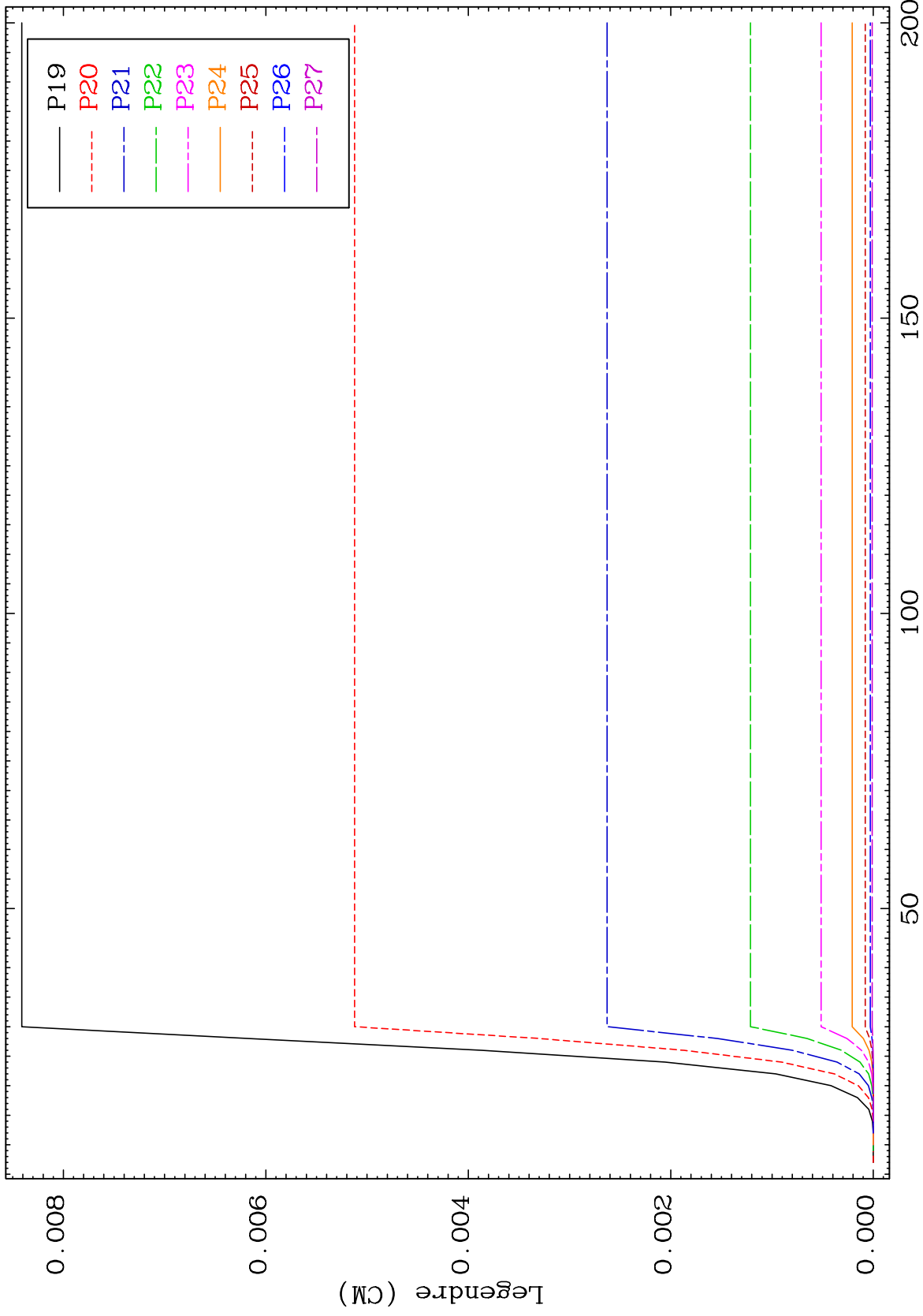
53-I -127

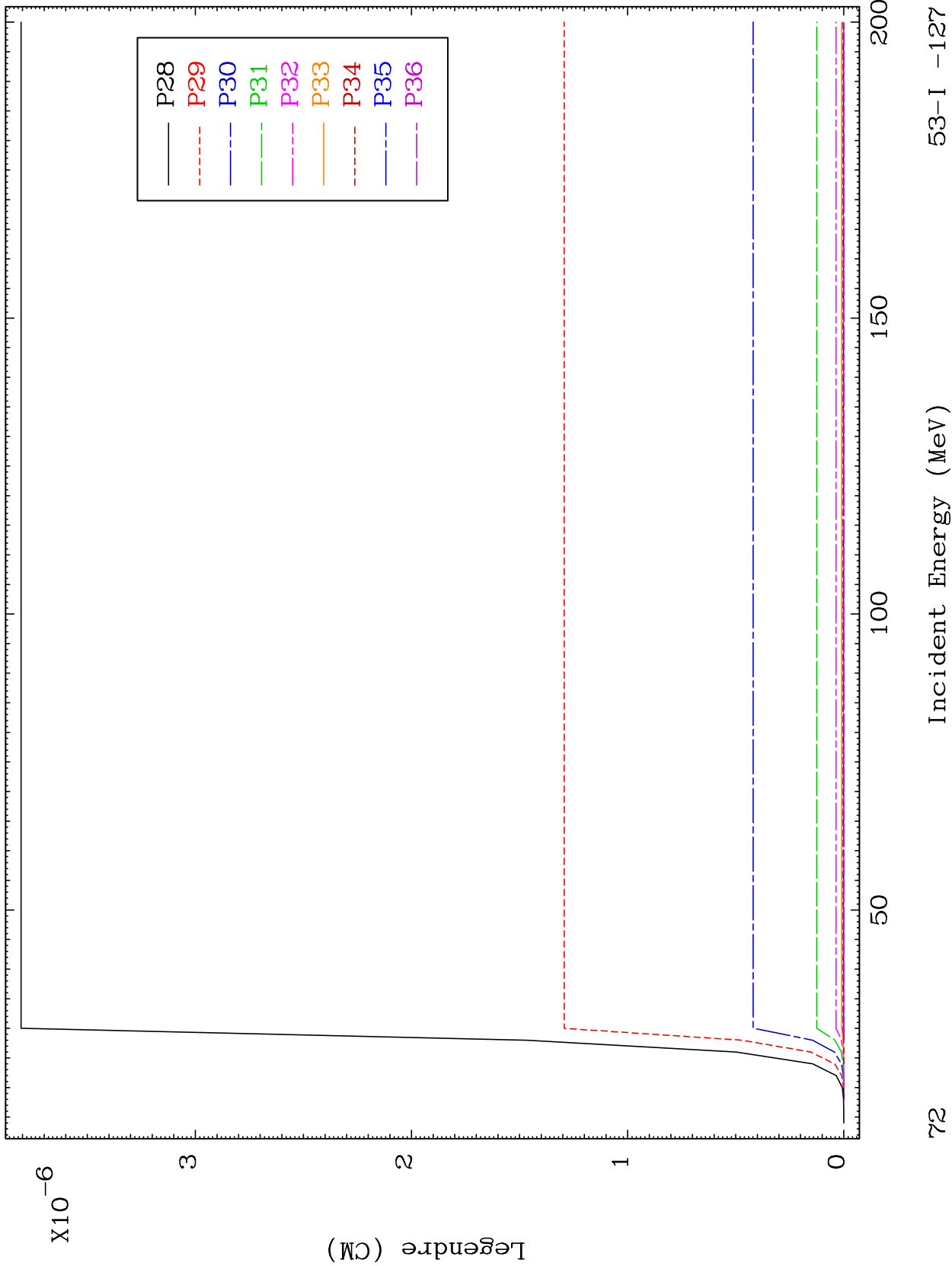


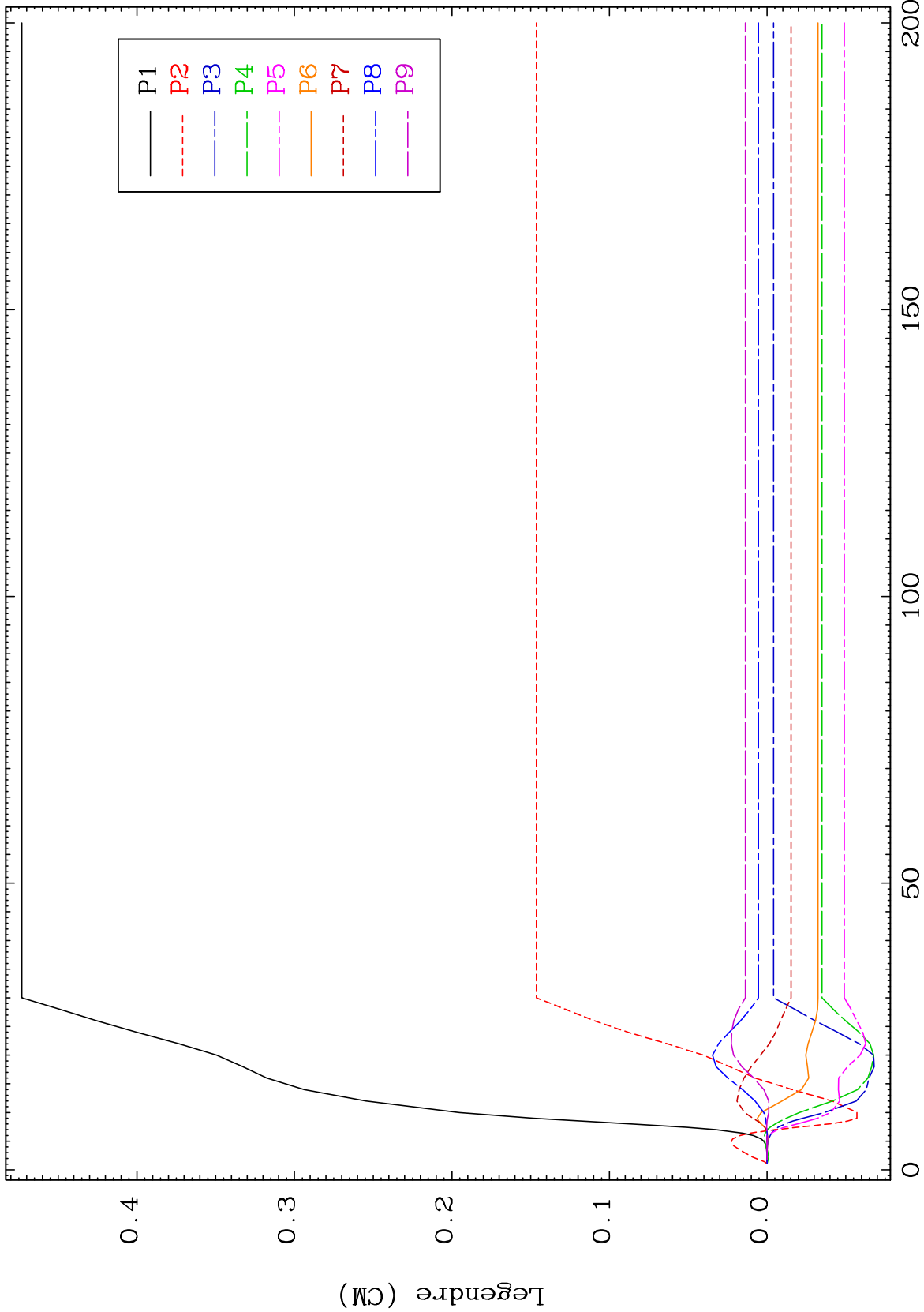
70

Incident Energy (MeV)

53-I -127



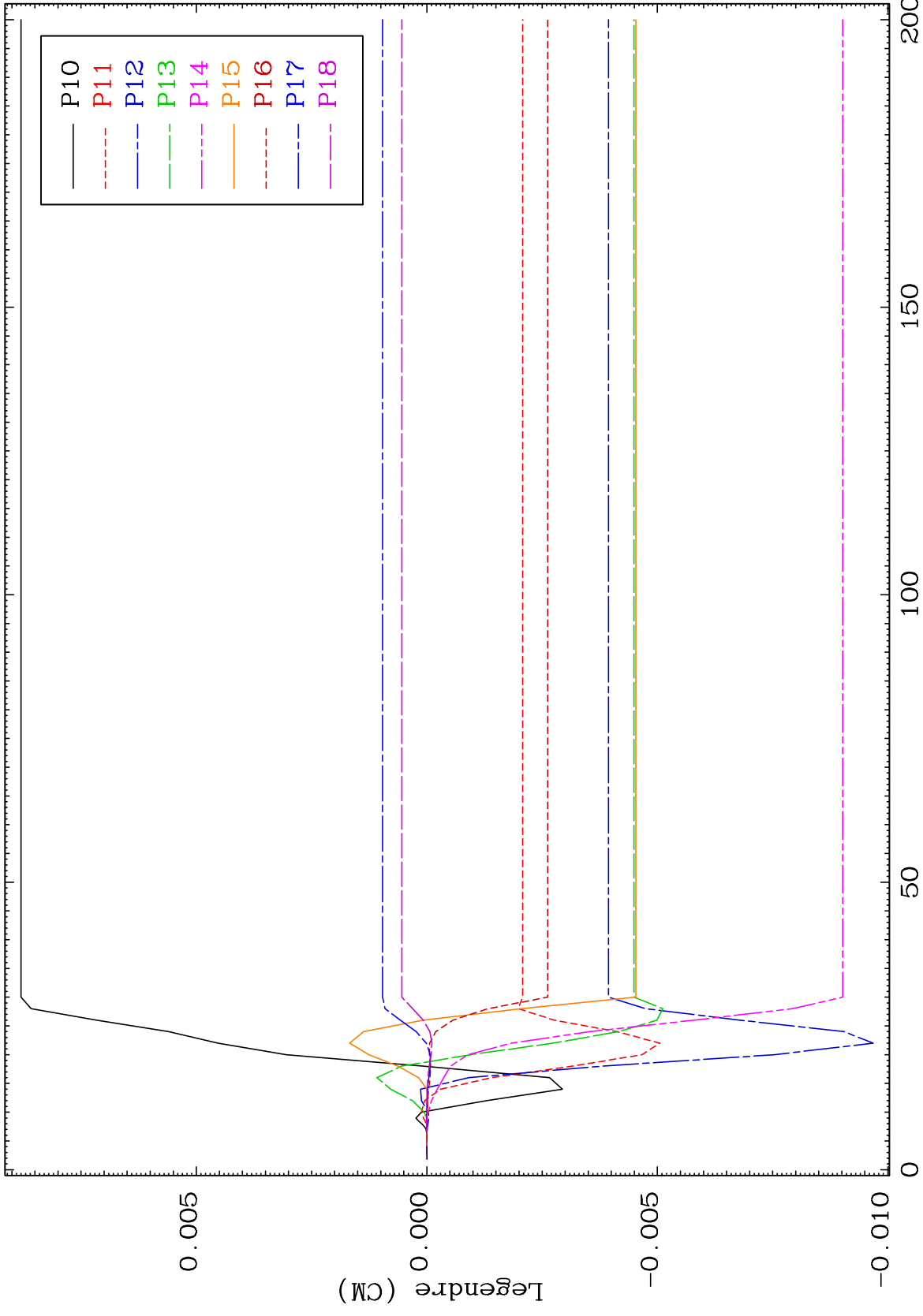




MAT 5325

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

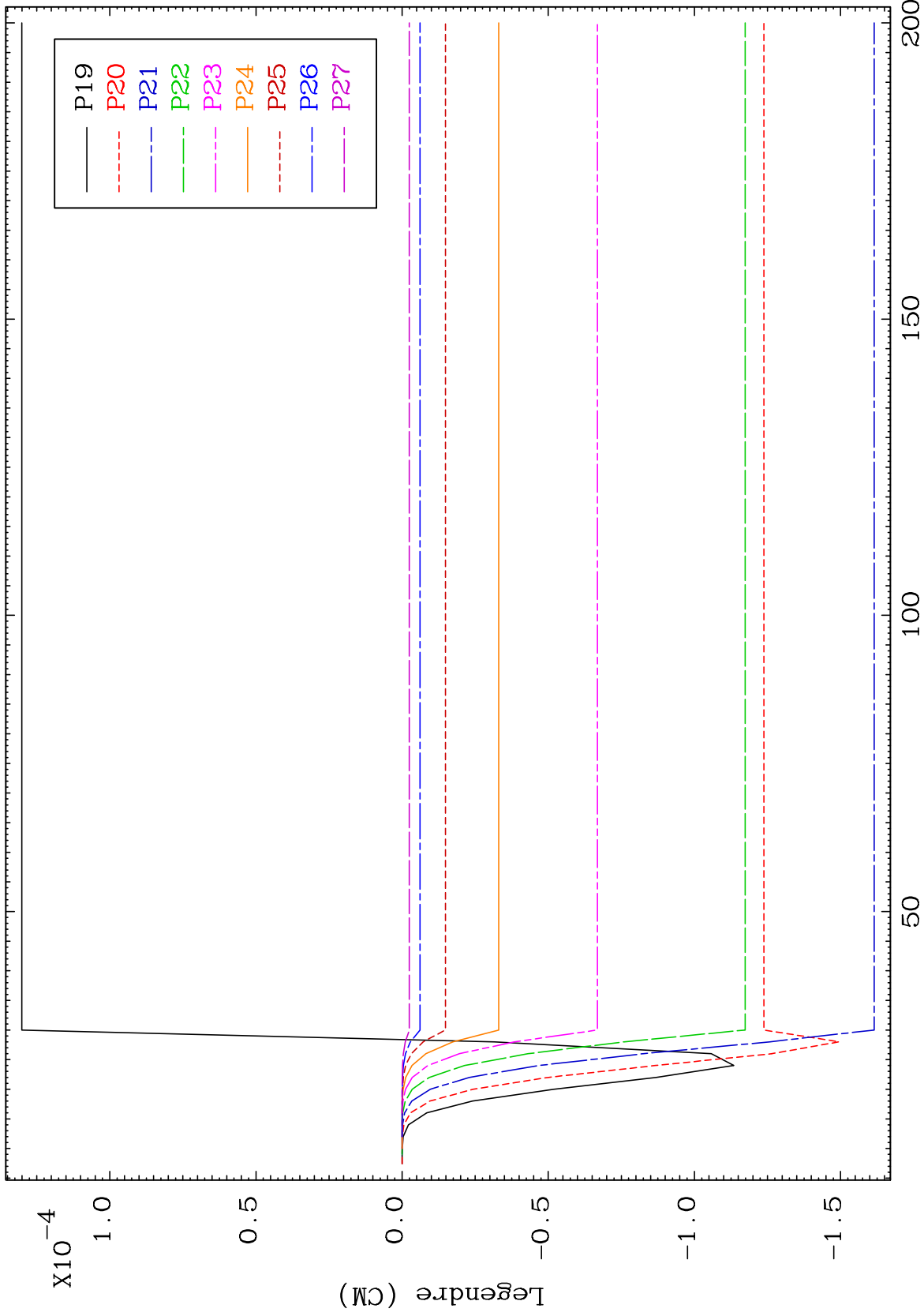
53-I -127



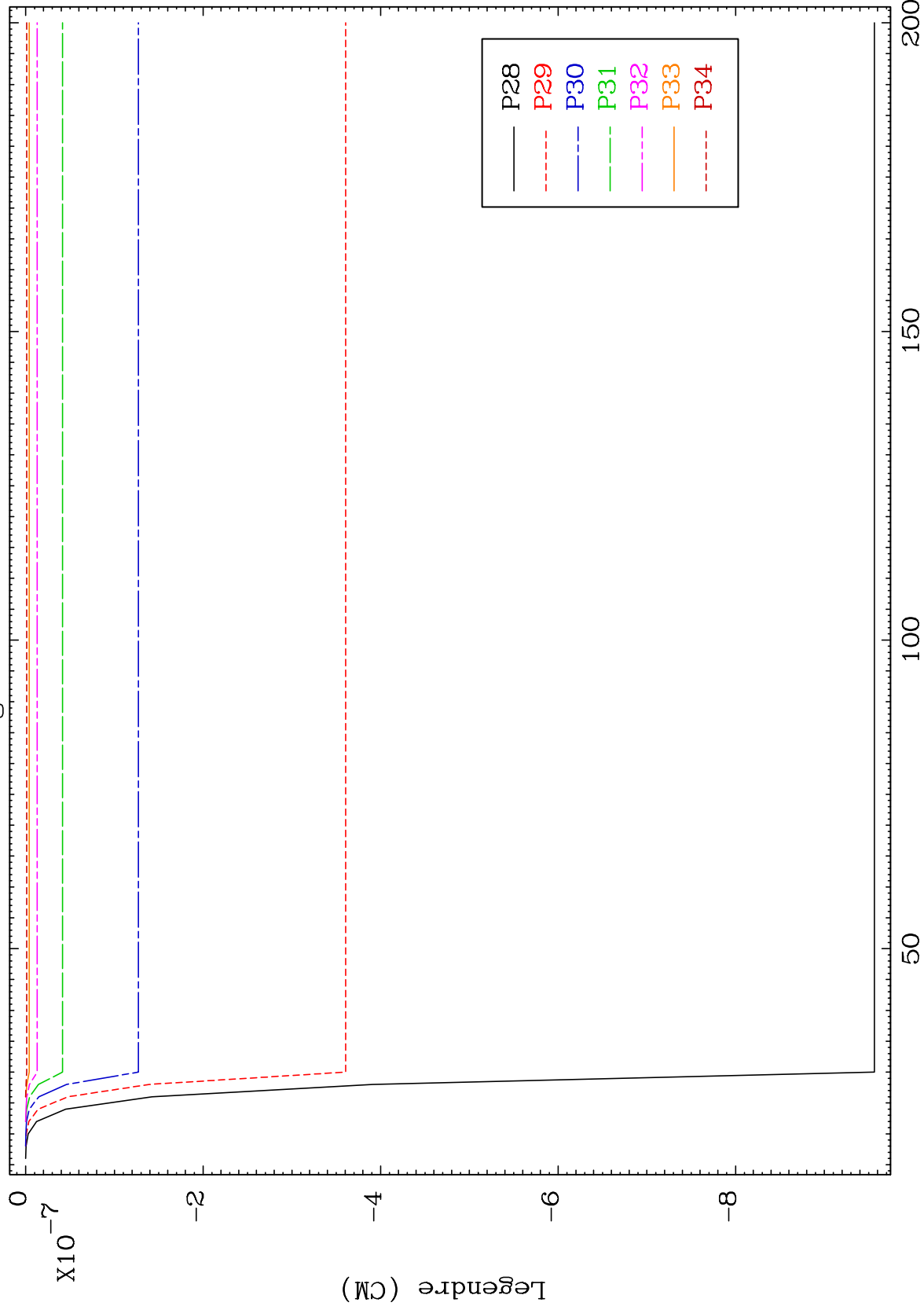
74

Incident Energy (MeV)

53-I -127



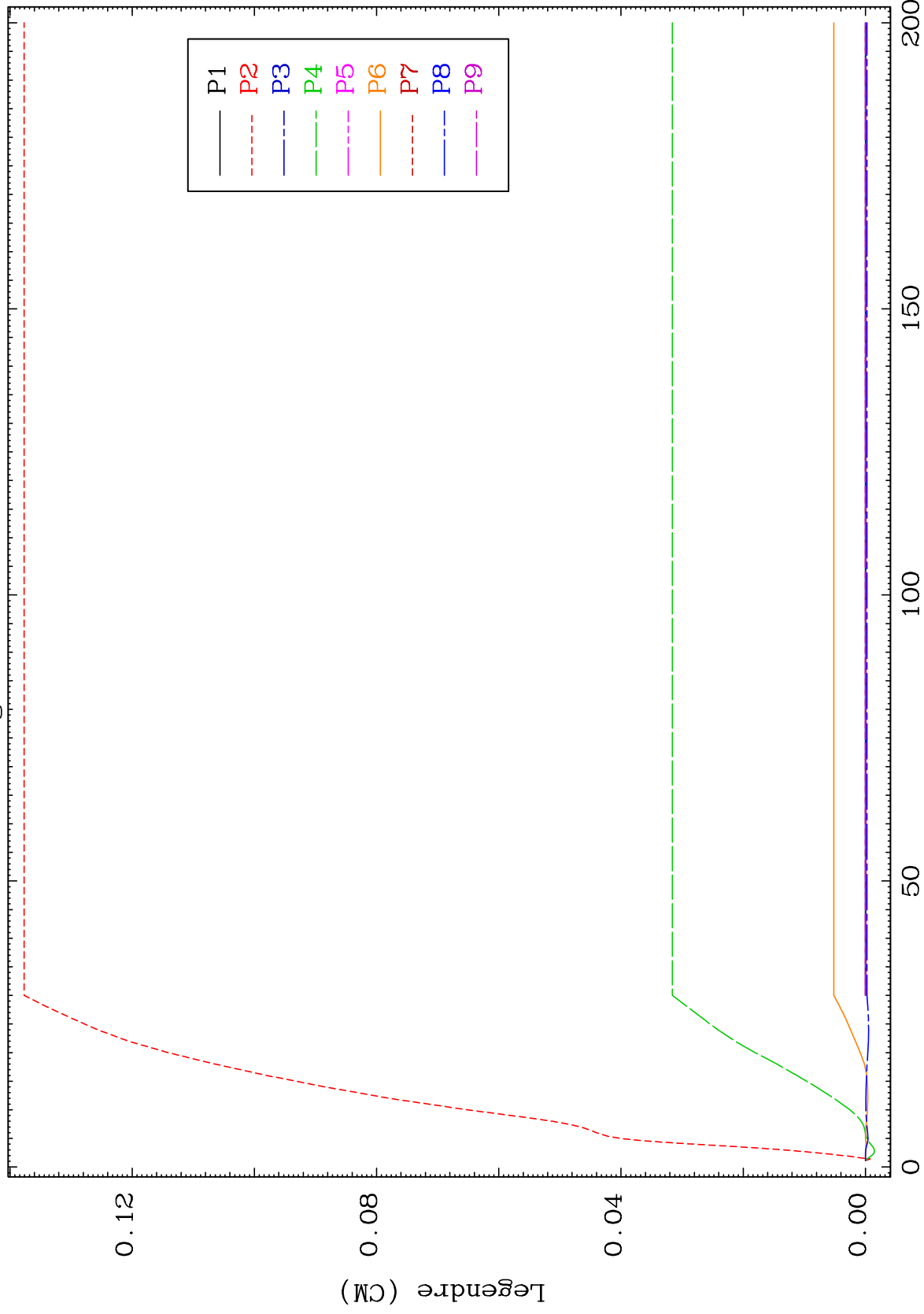
Legendre Coefficients



MAT 5325

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

53-I -127



77

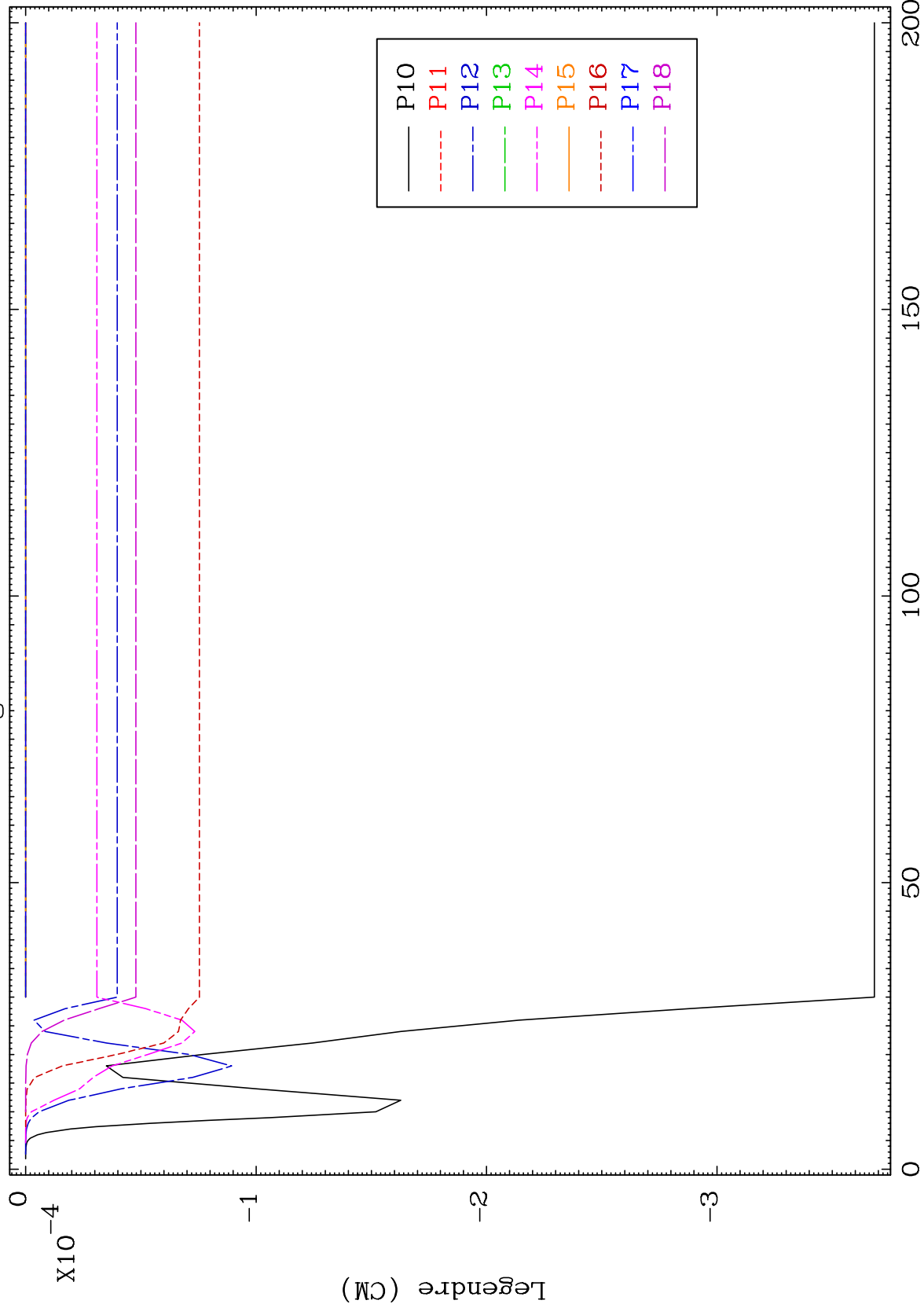
Incident Energy (MeV)

53-I -127

MAT 5325

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

53-I -127



78

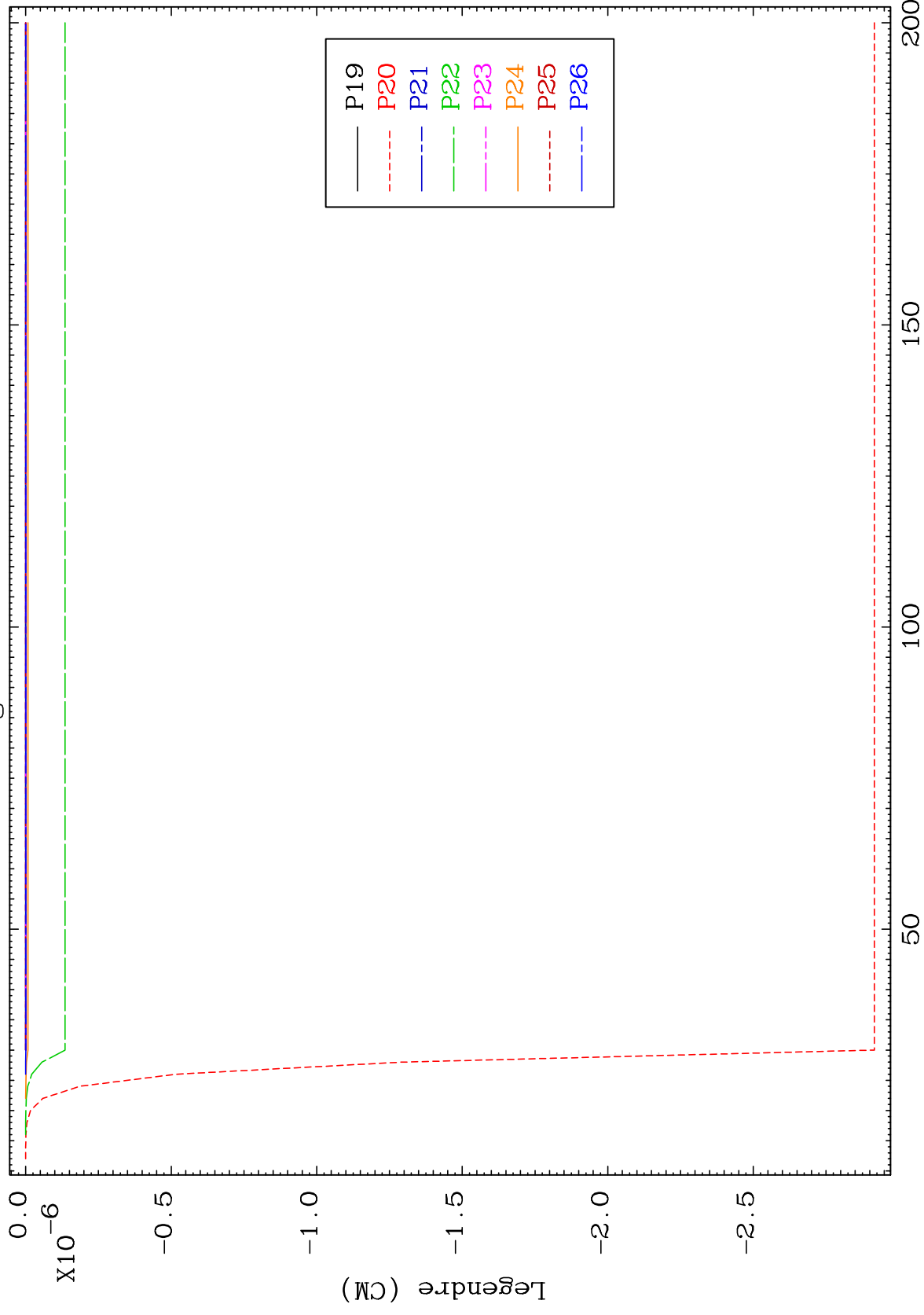
Incident Energy (MeV)

53-I -127

MAT 5325

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

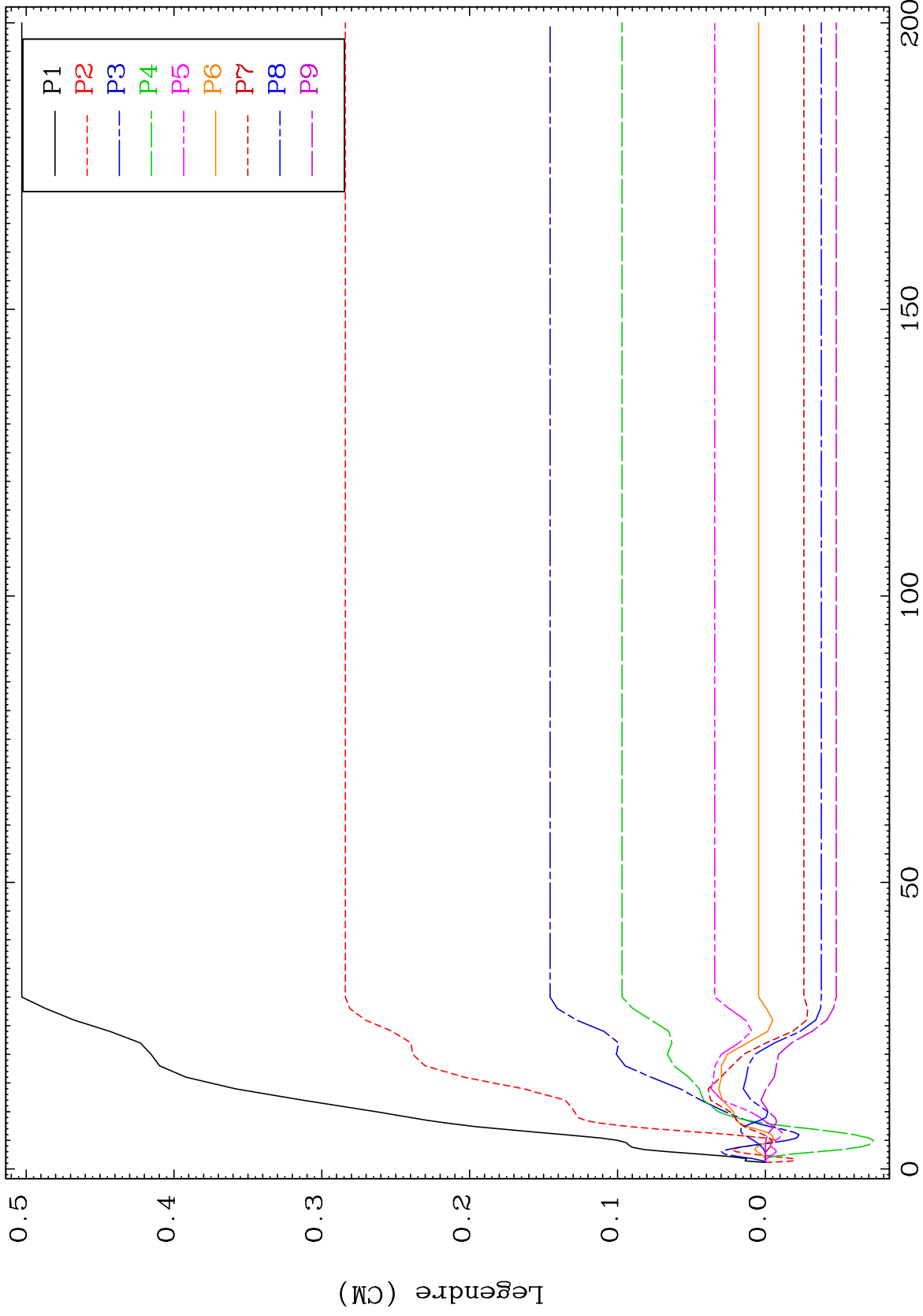
53-I -127



79

Incident Energy (MeV)

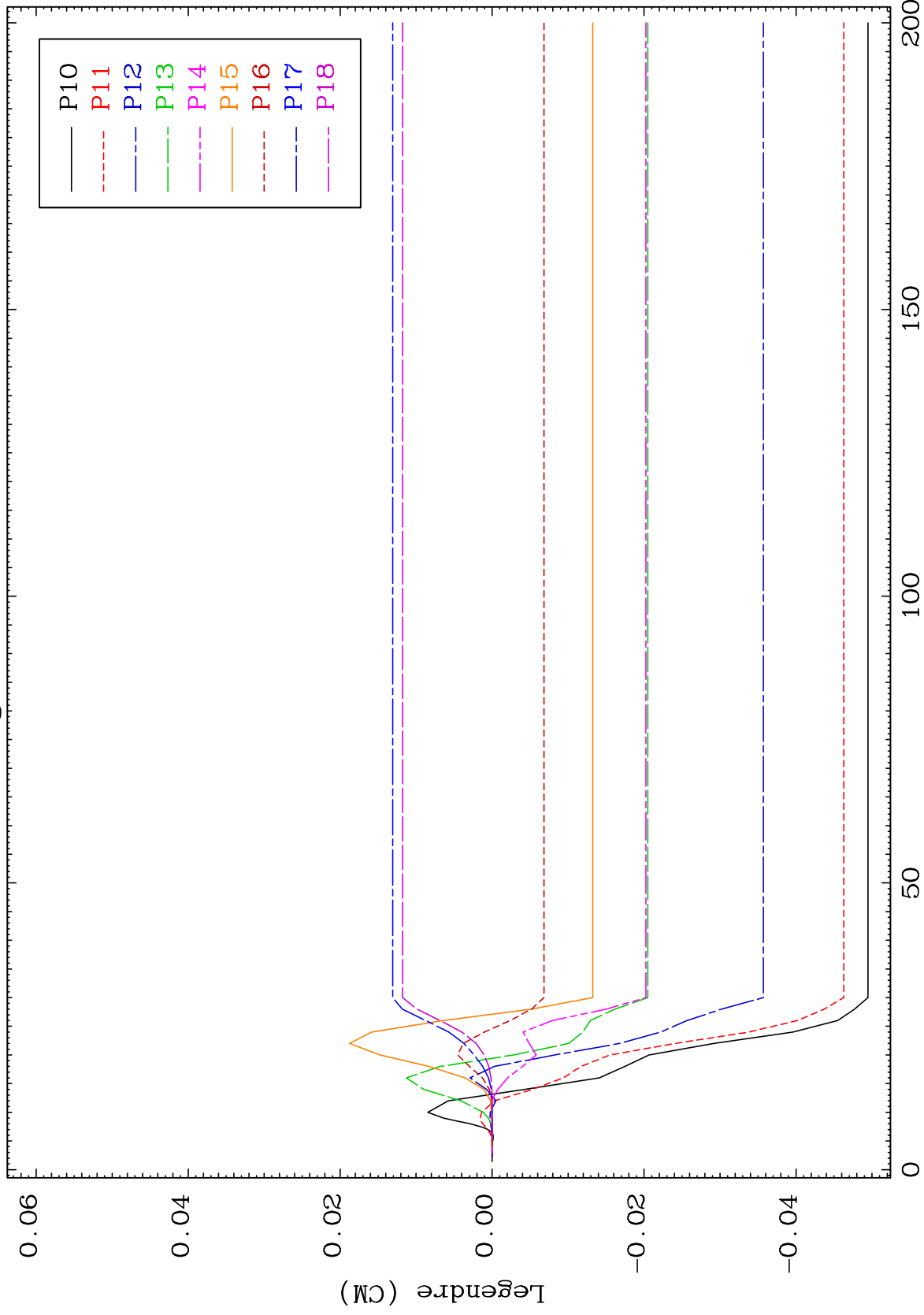
53-I -127



MAT 5325

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

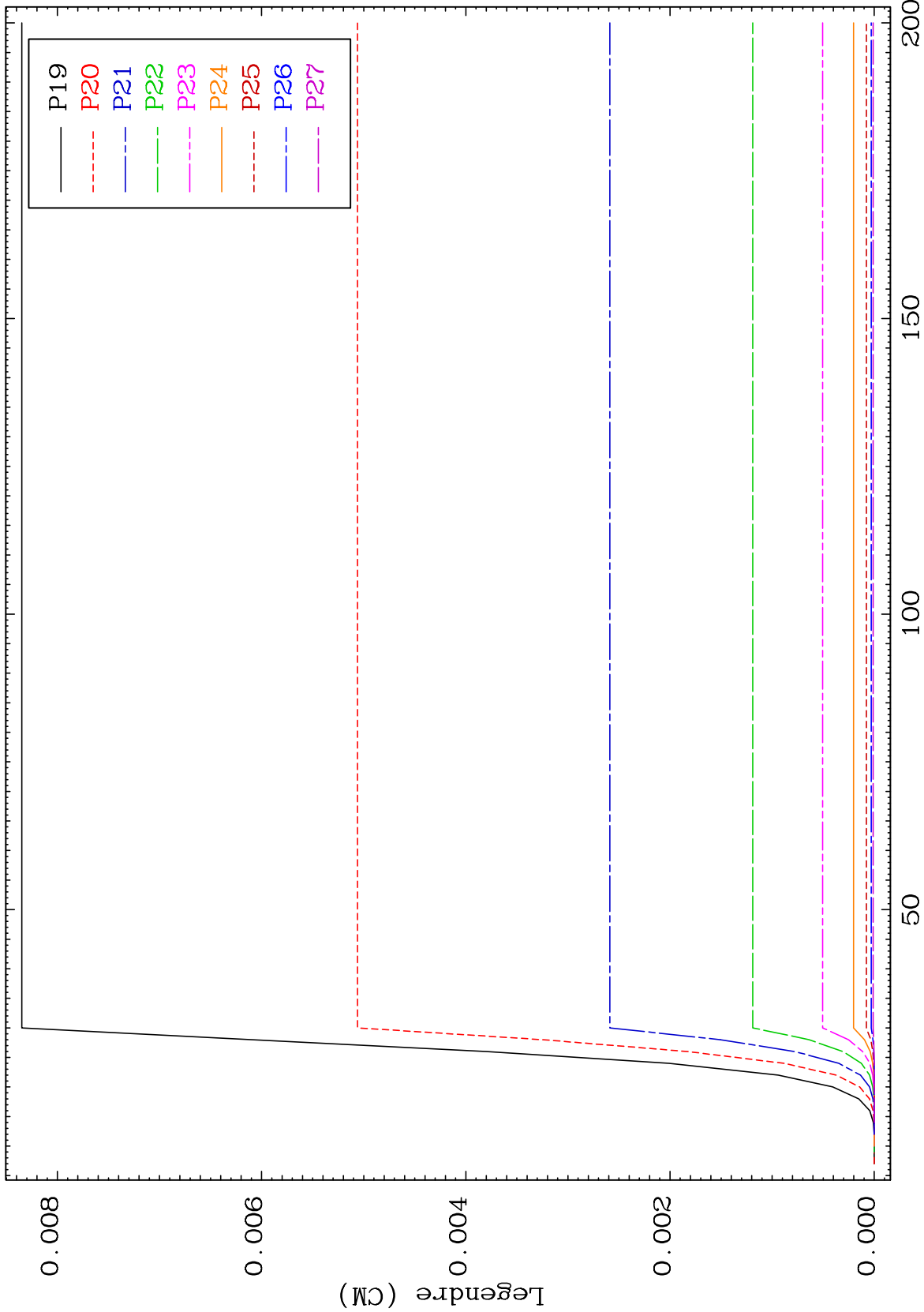
53-I -127

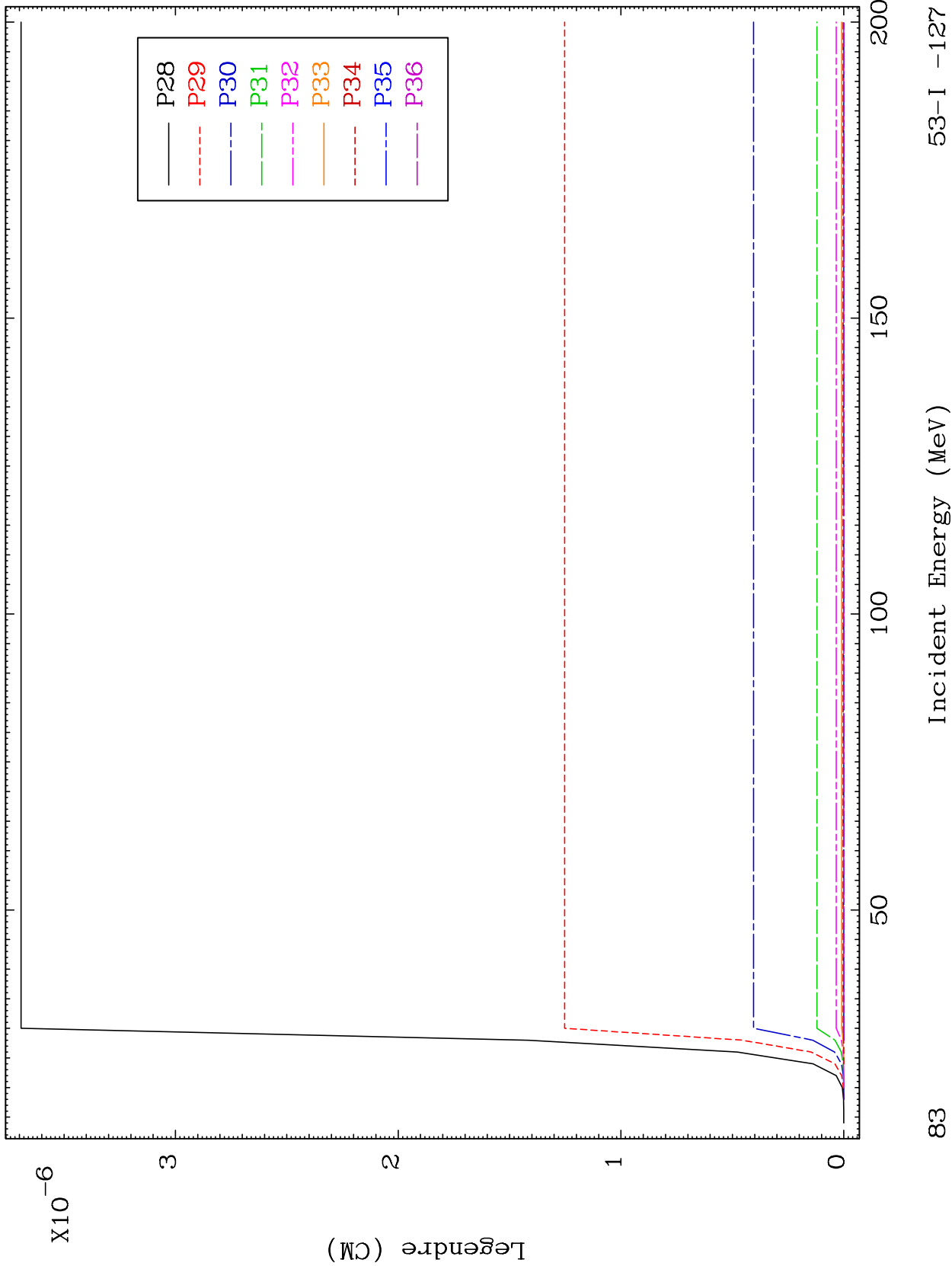


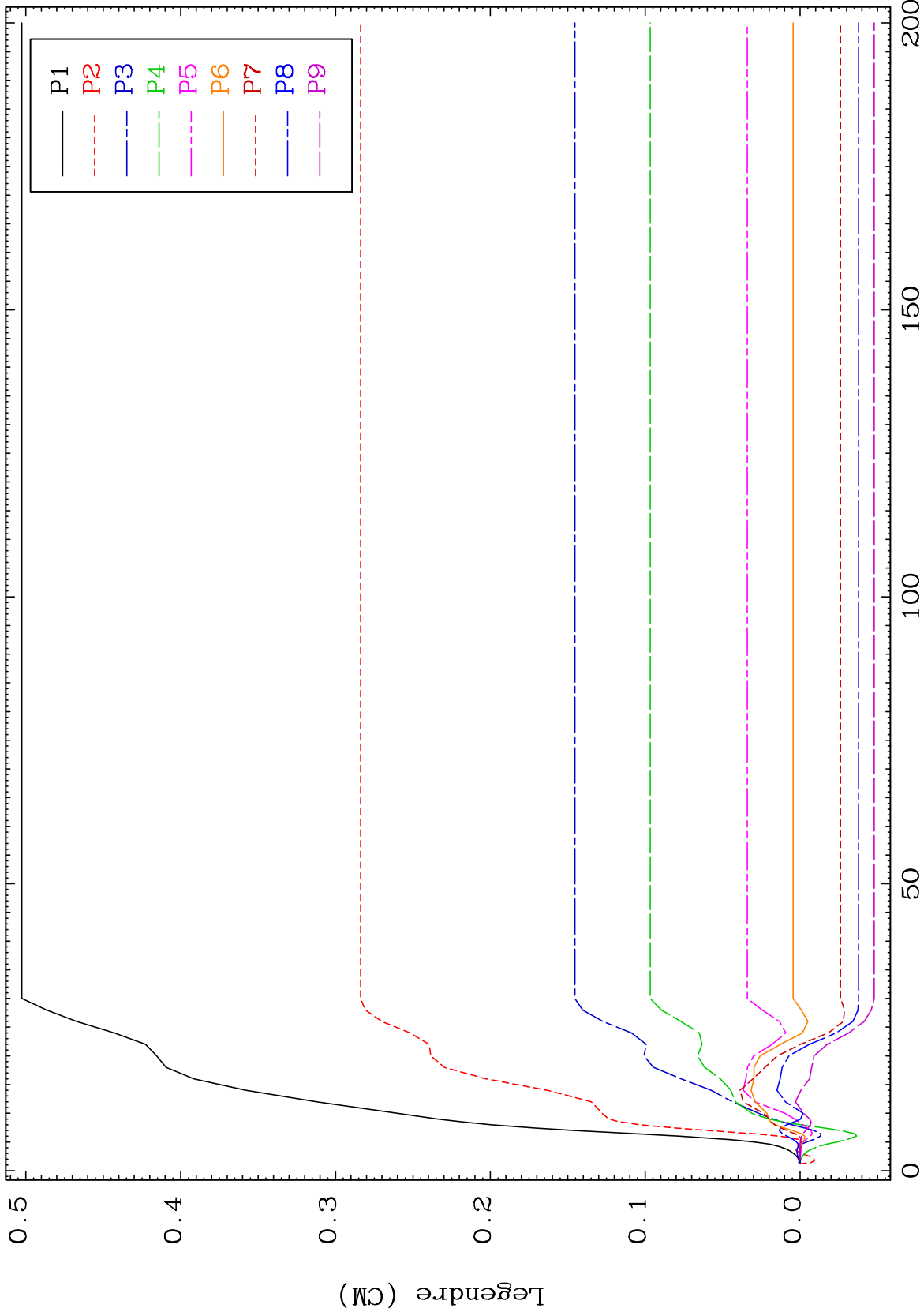
81

Incident Energy (MeV)

53-I -127



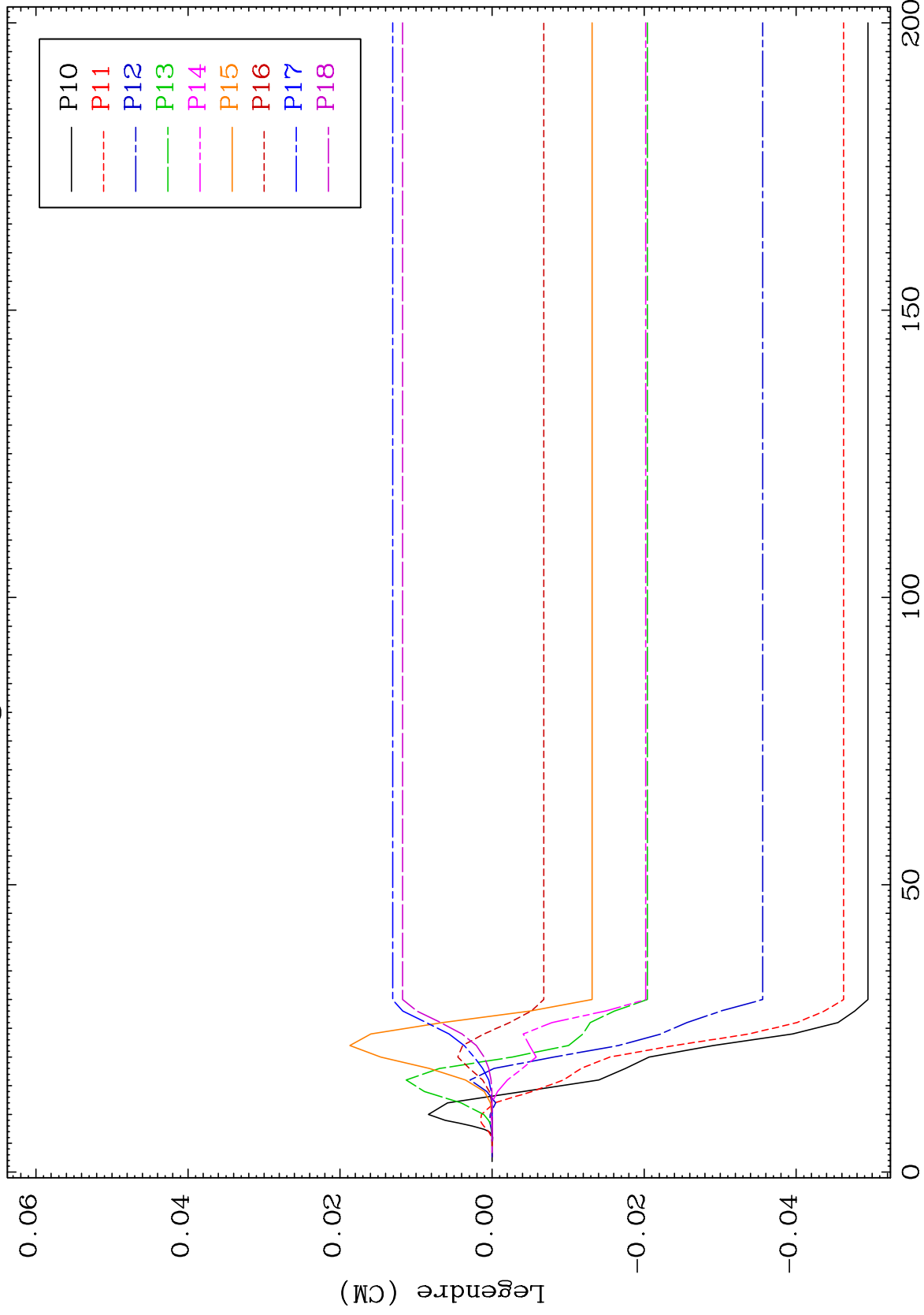




MAT 5325

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

53-I -127



85

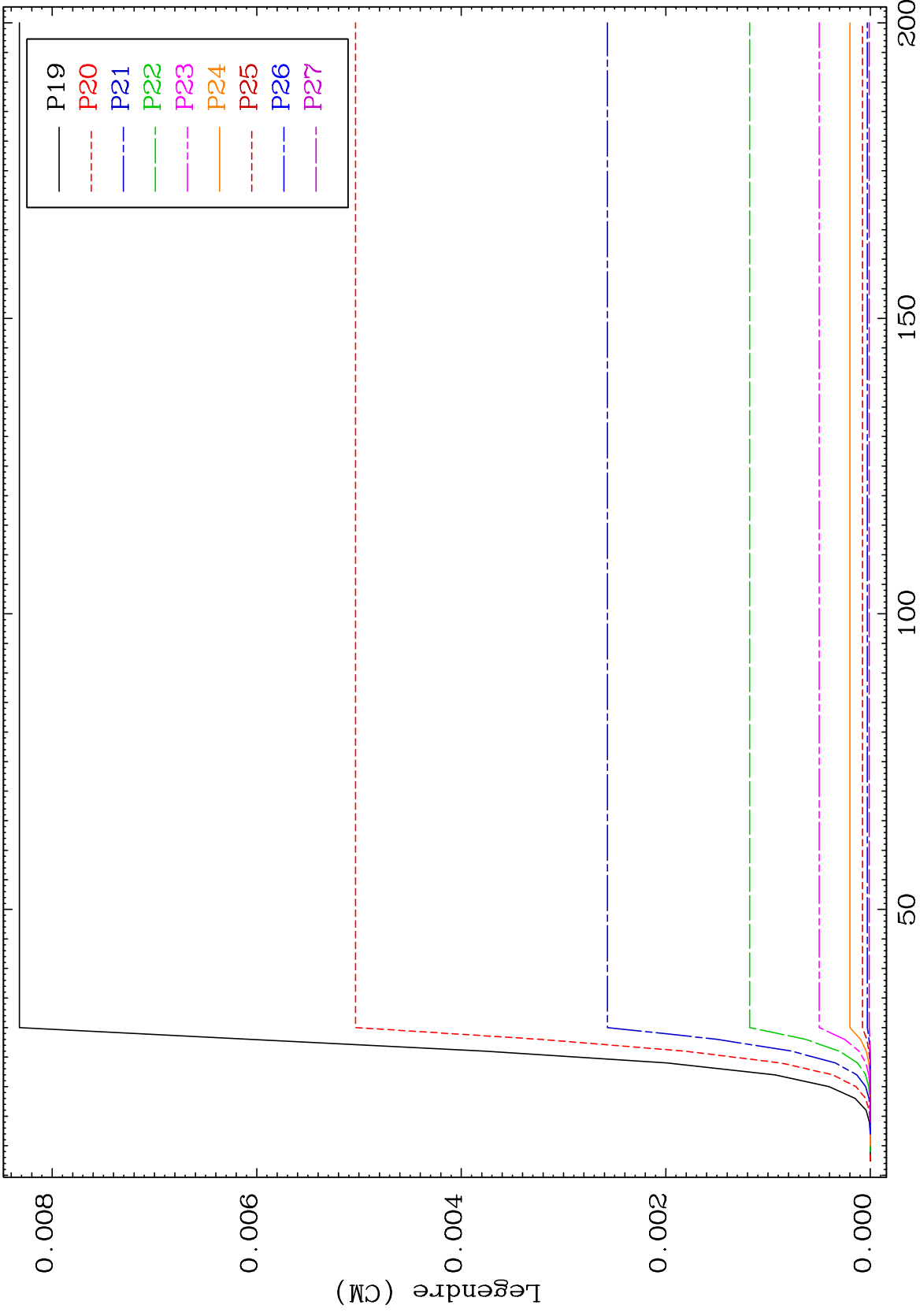
Incident Energy (MeV)

53-I -127

MAT 5325

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

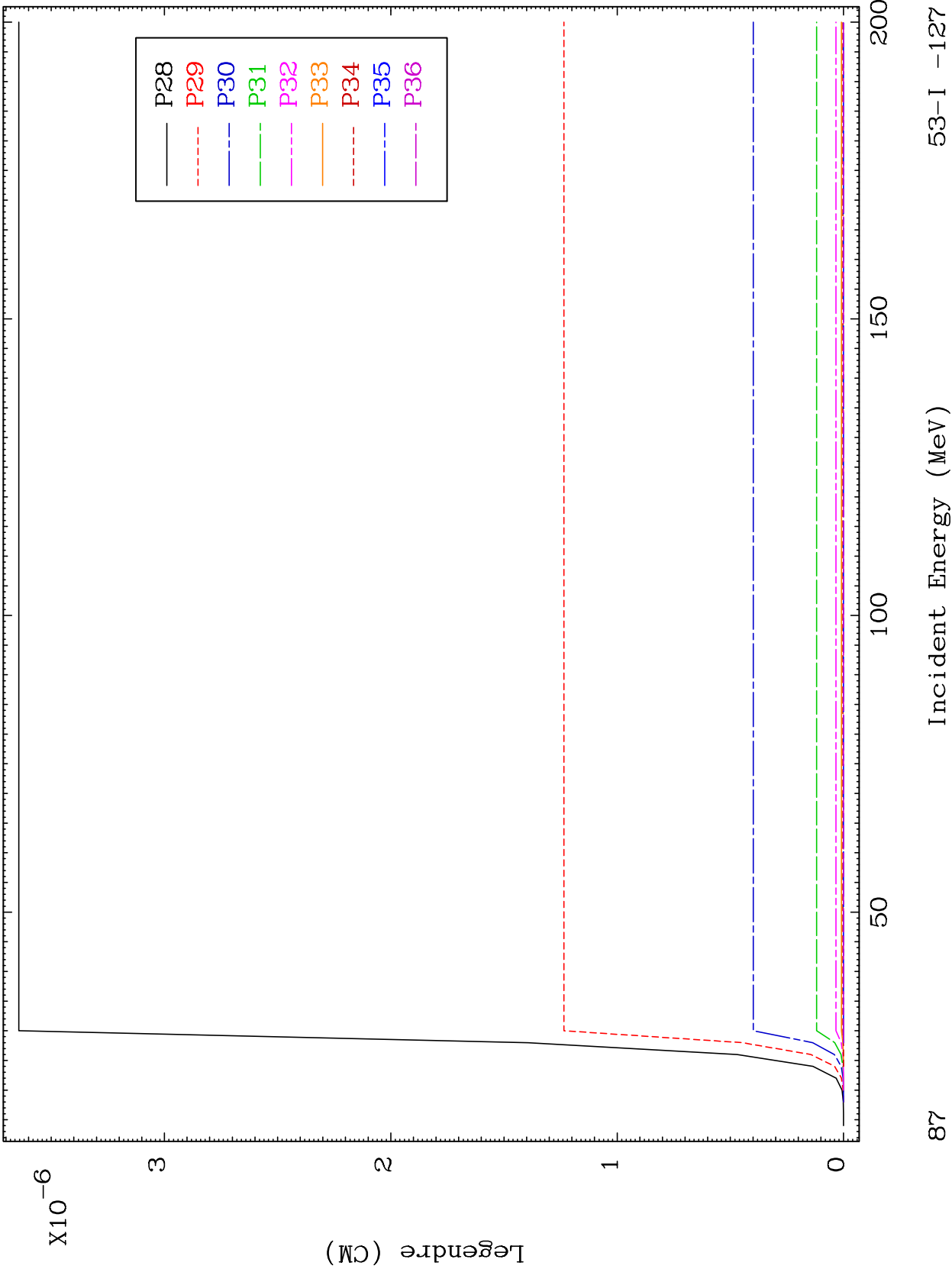
53-I -127

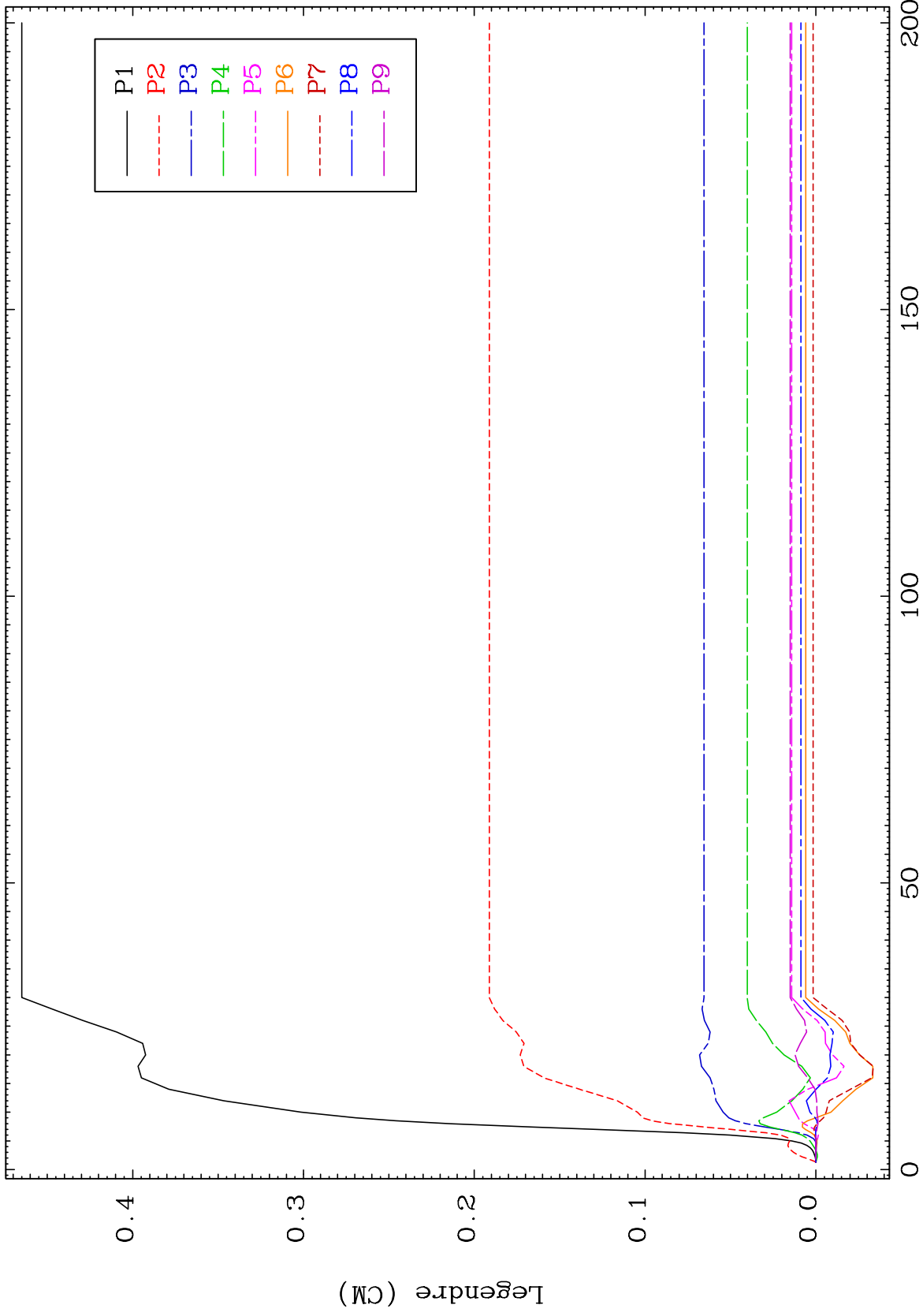


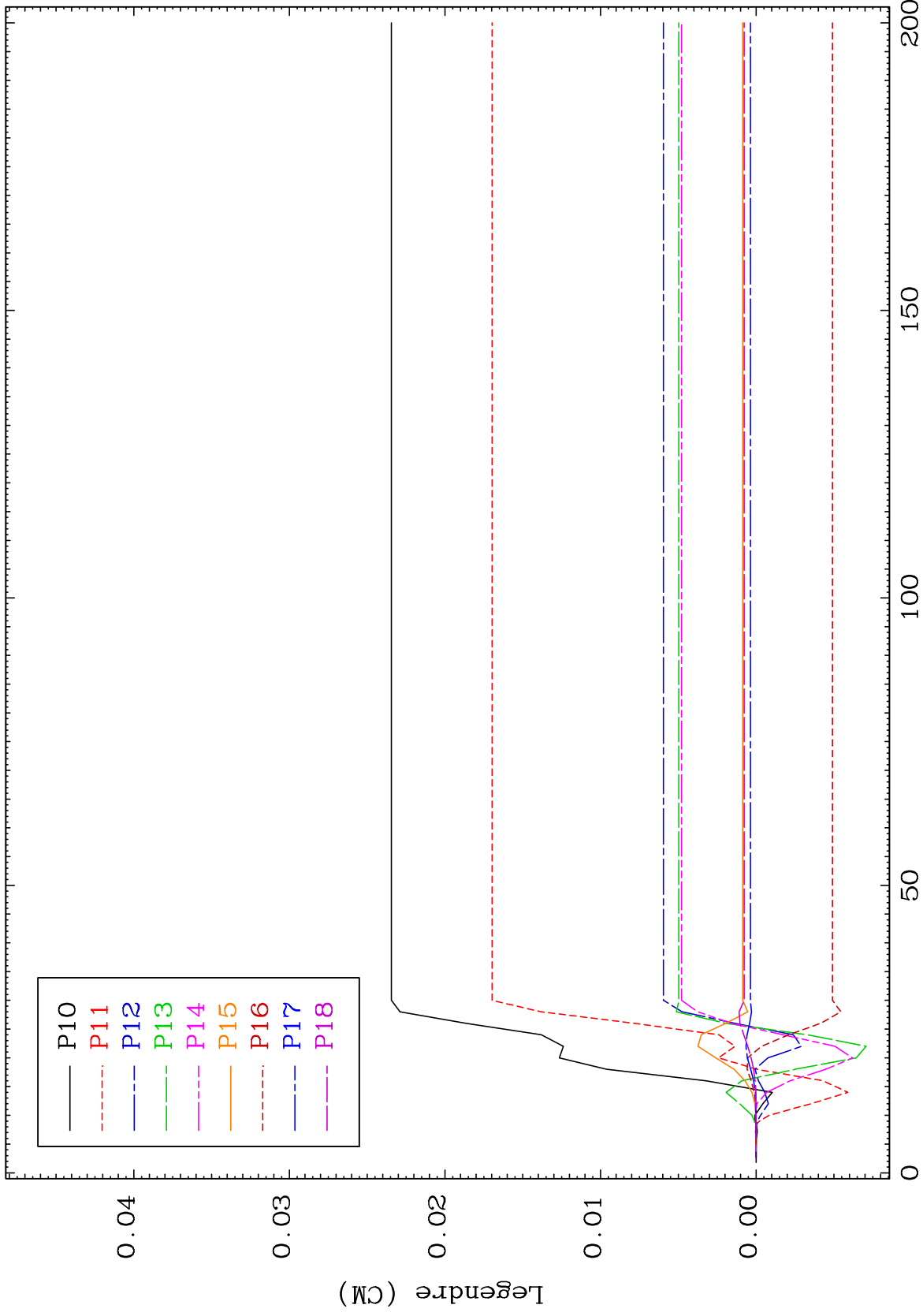
86

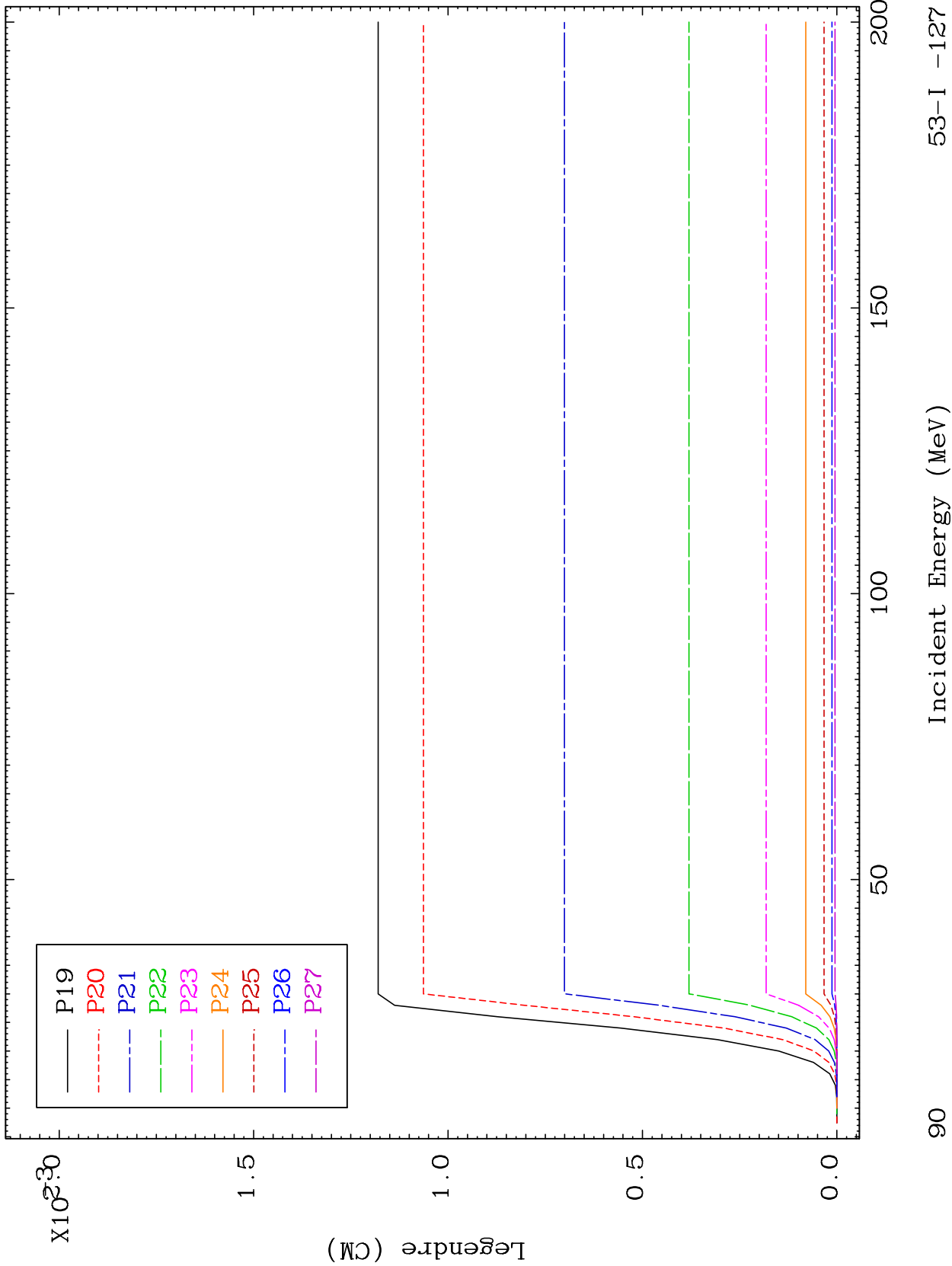
Incident Energy (MeV)

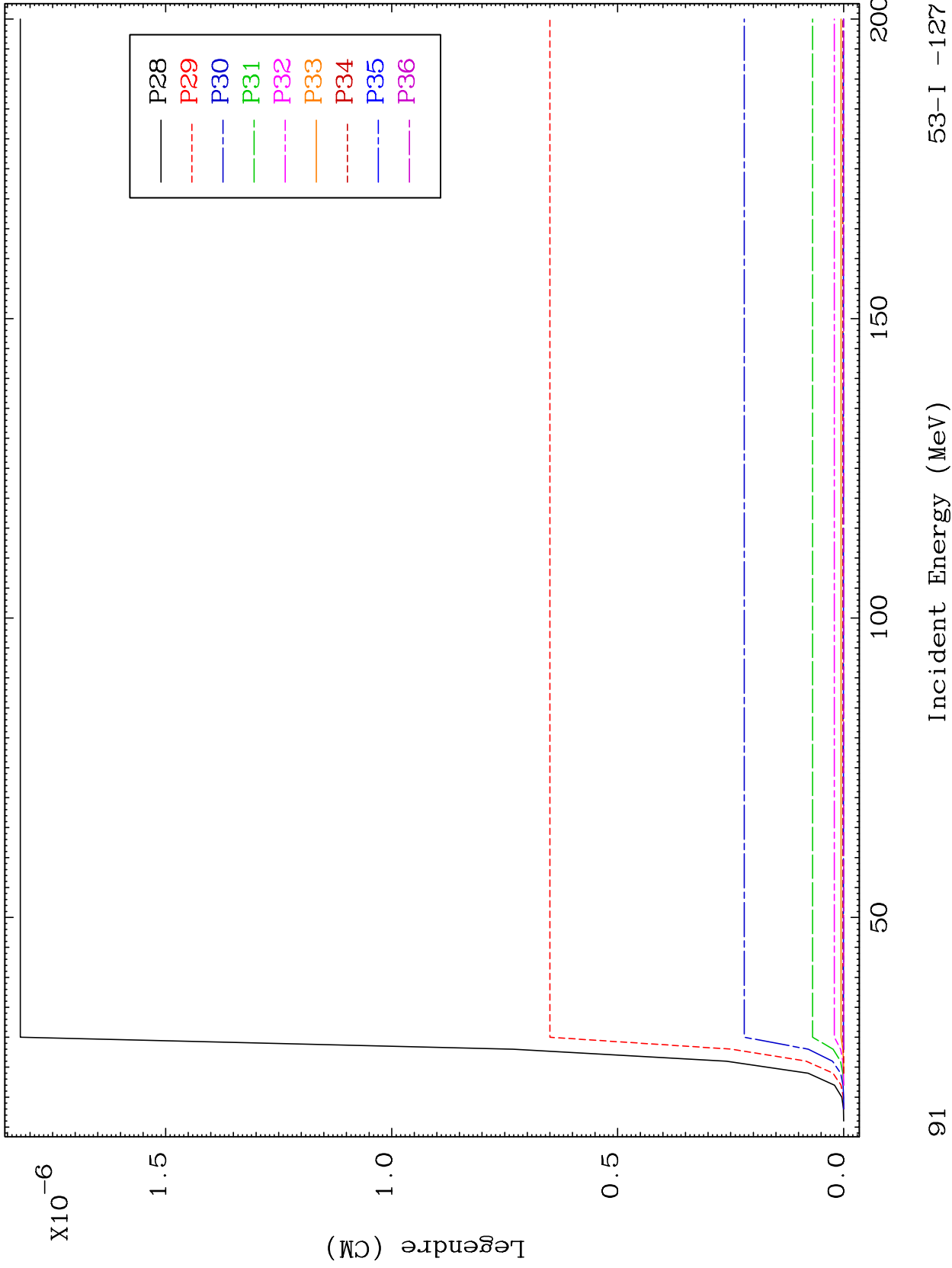
53-I -127

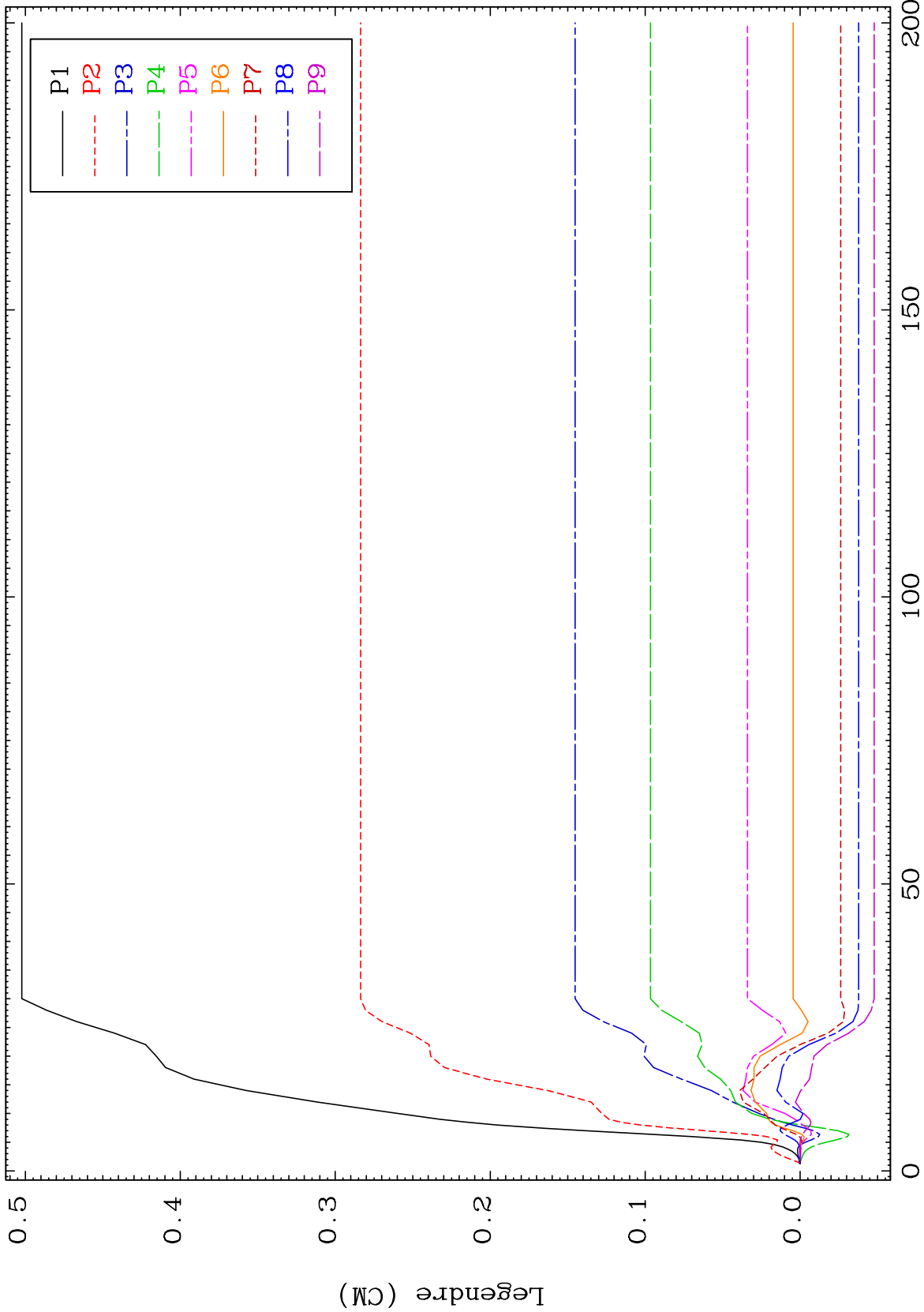








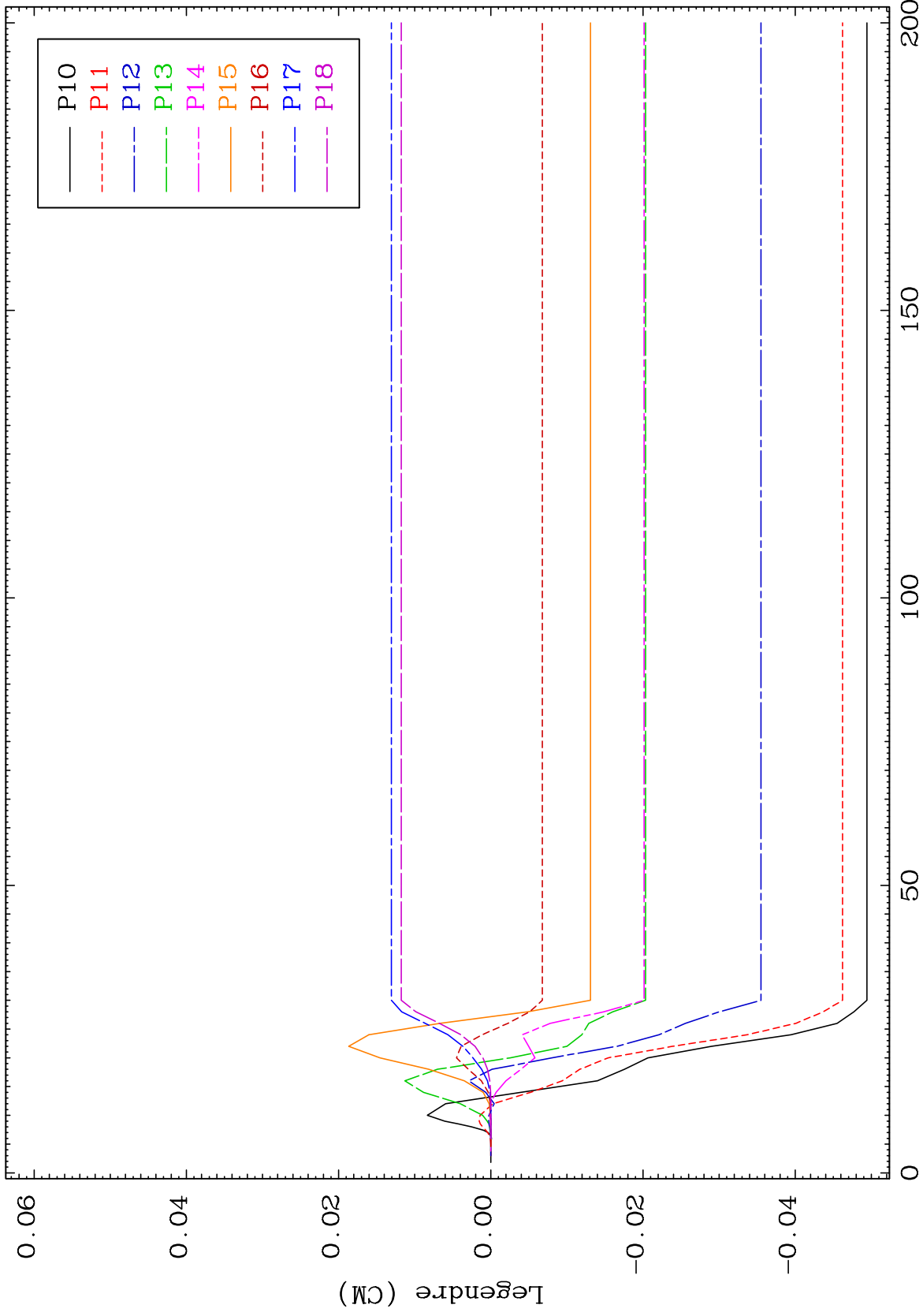




MAT 5325

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

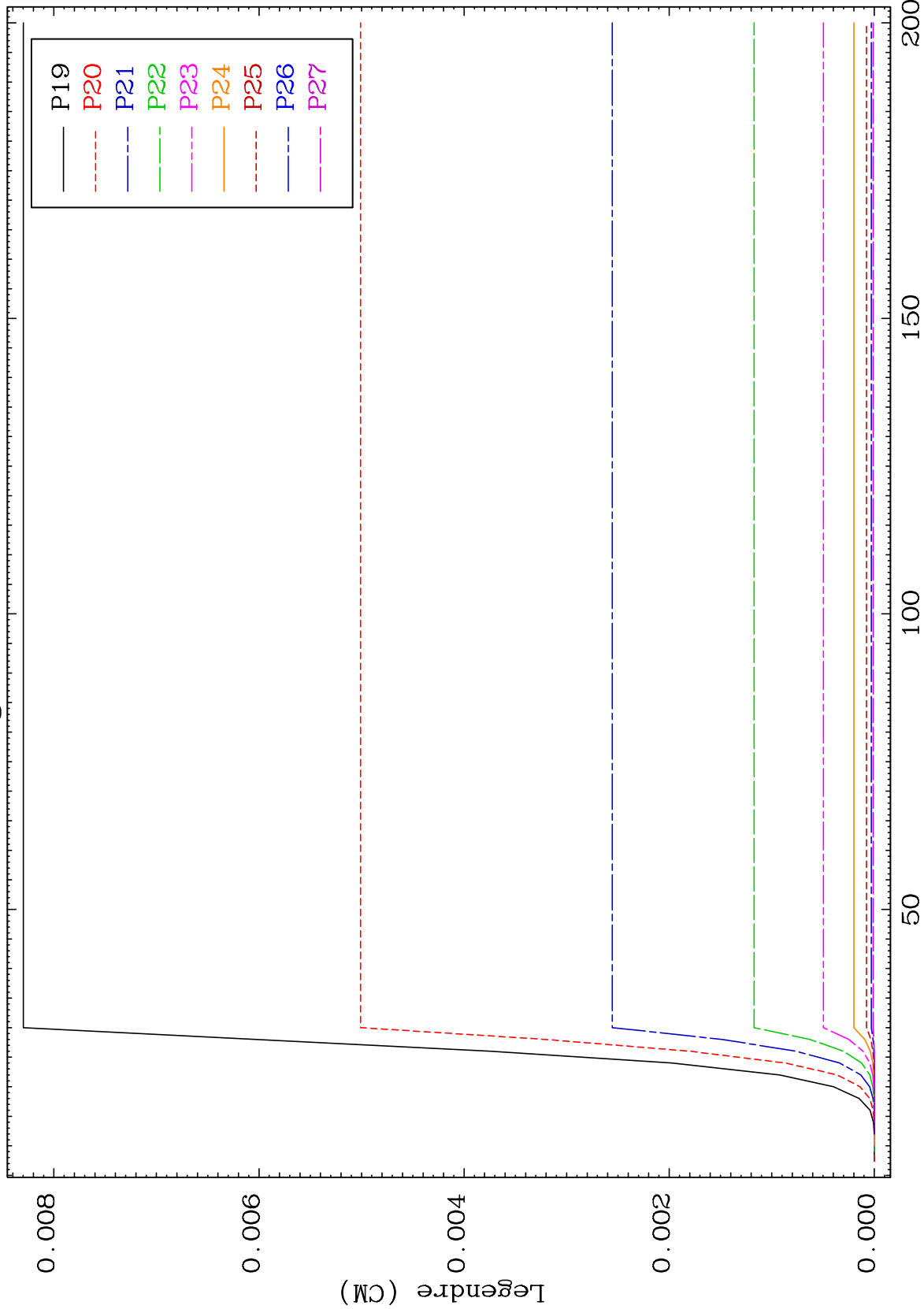
53-I -127



93

Incident Energy (MeV)

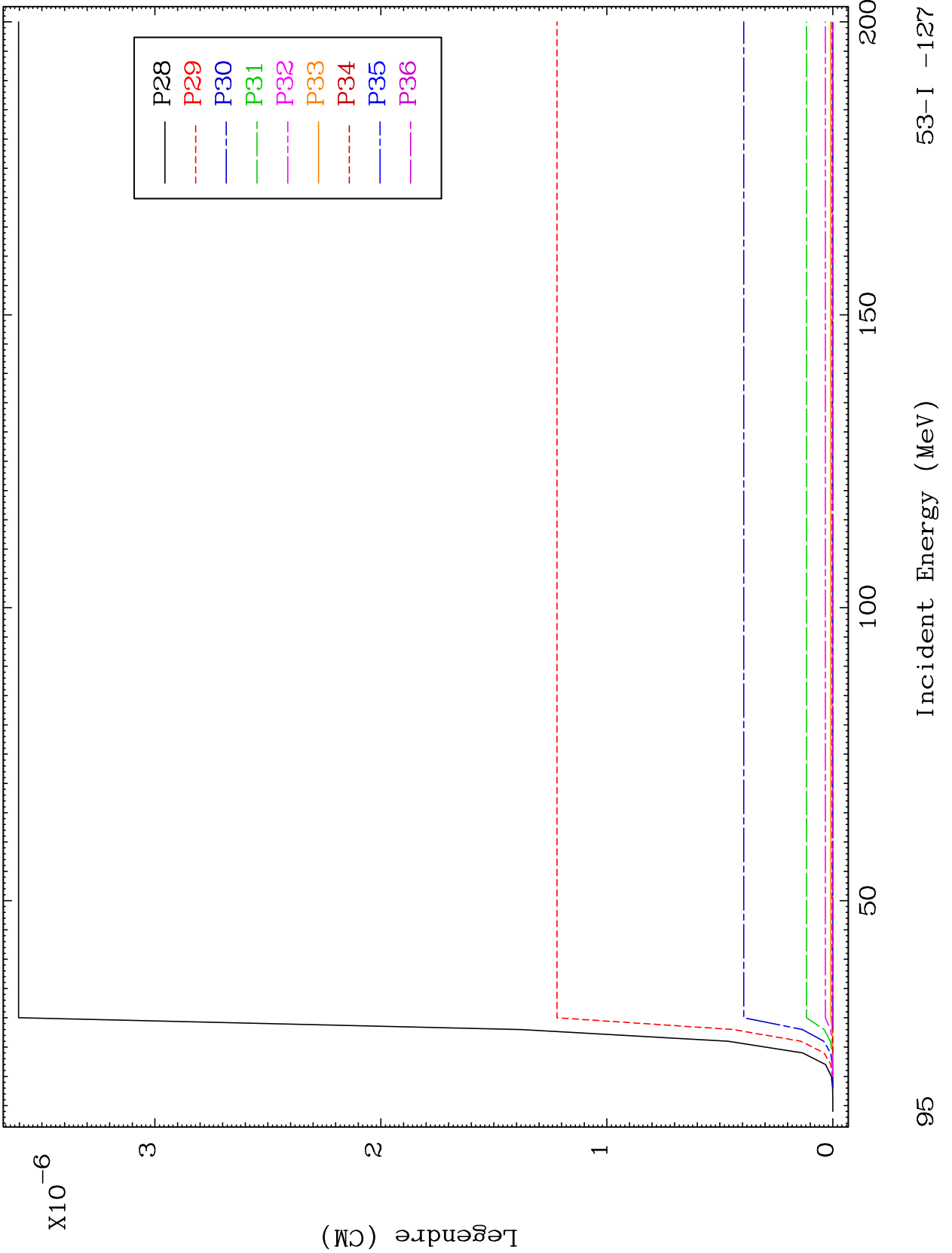
53-I -127



MAT 5325

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

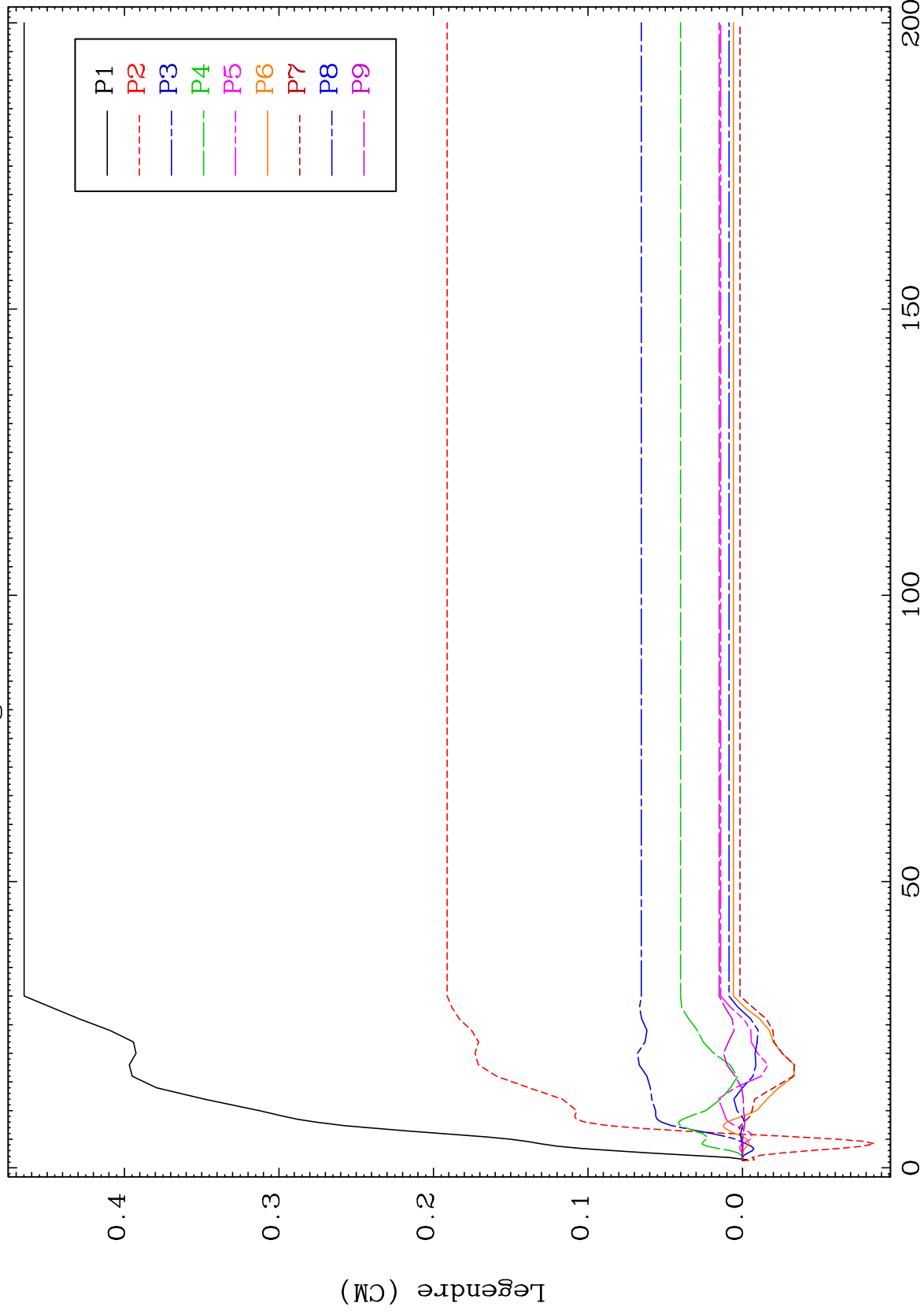
53-I -127



MAT 5325

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

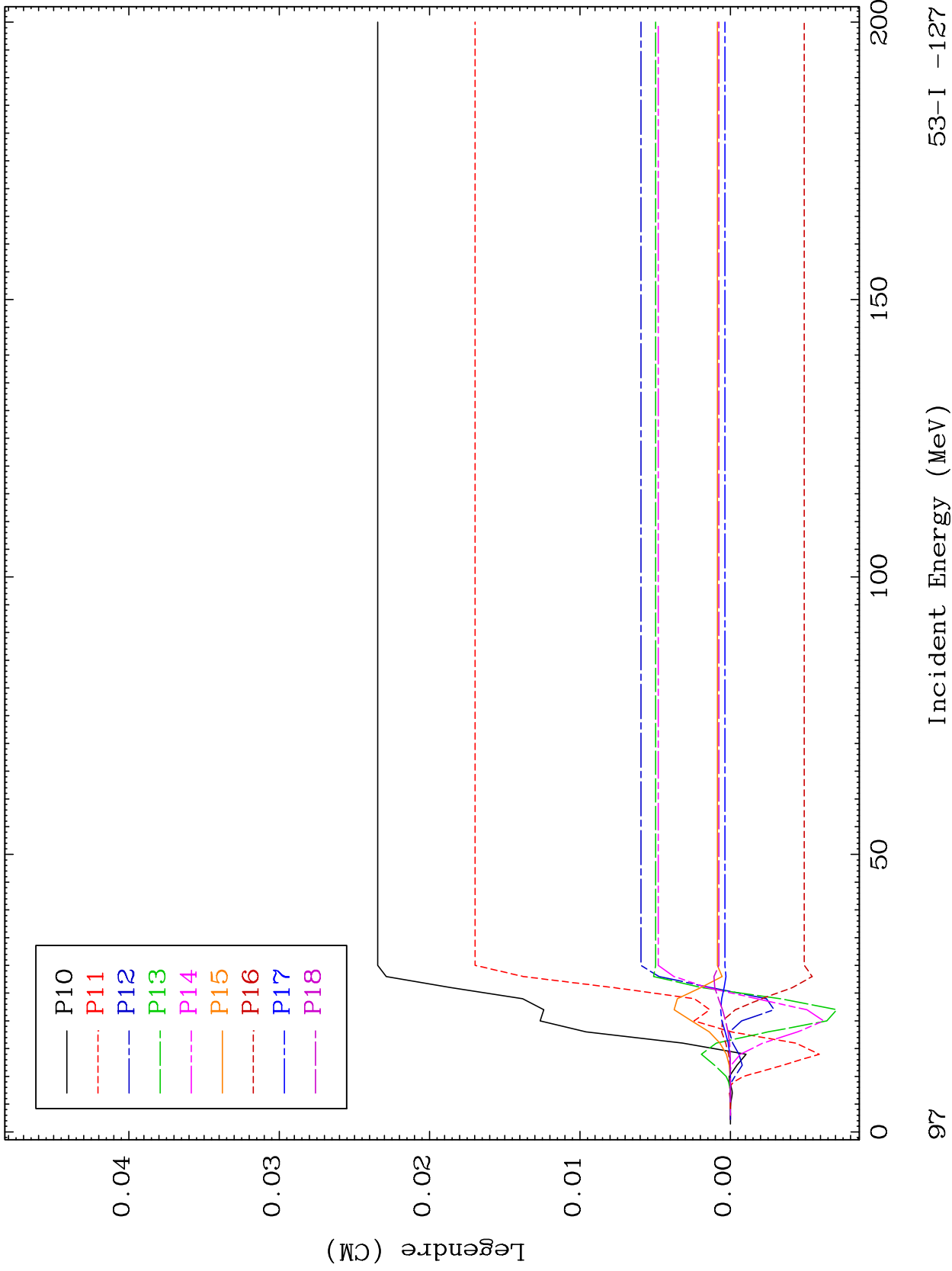
53-I -127

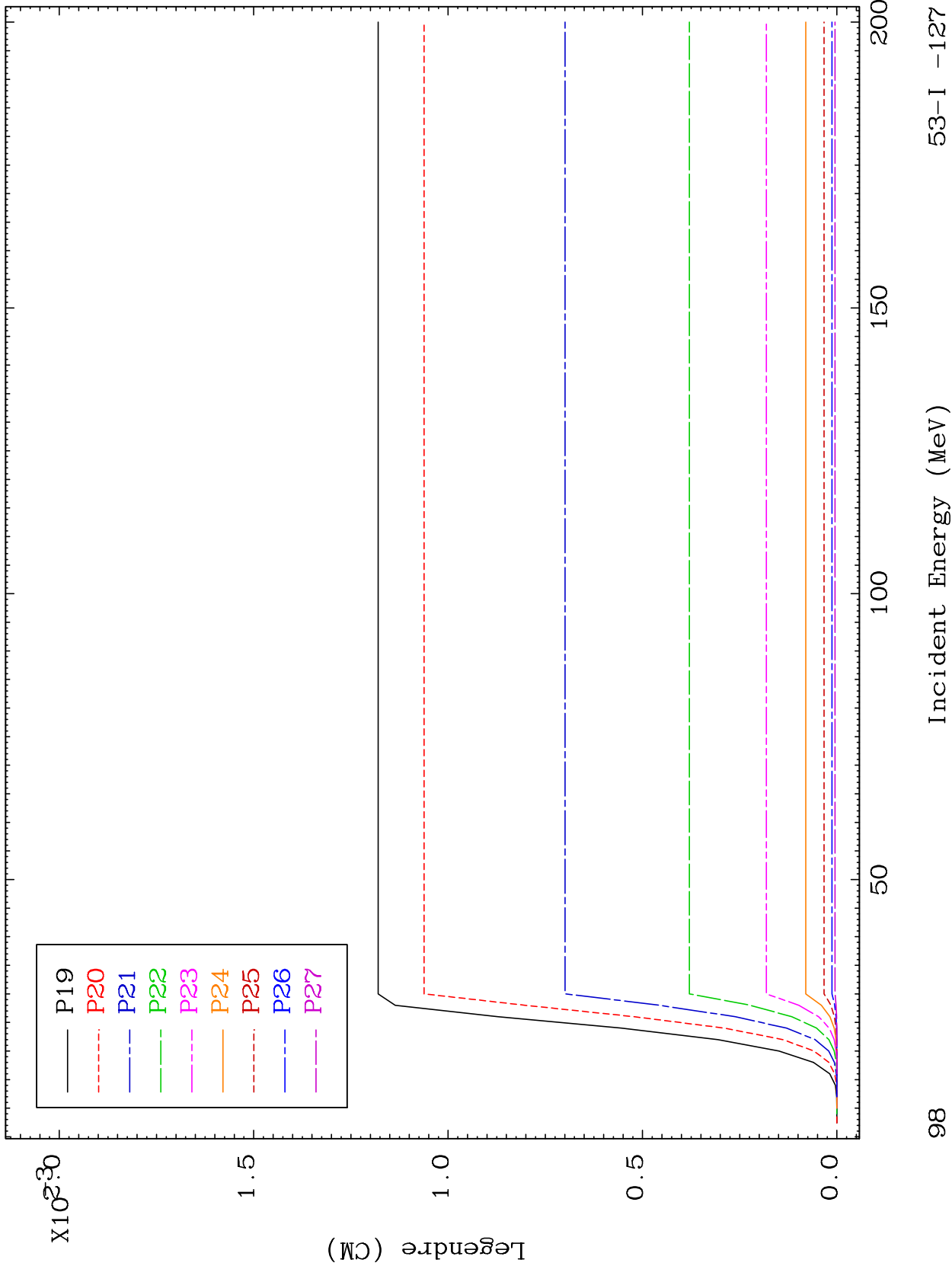


96

Incident Energy (MeV)

53-I -127



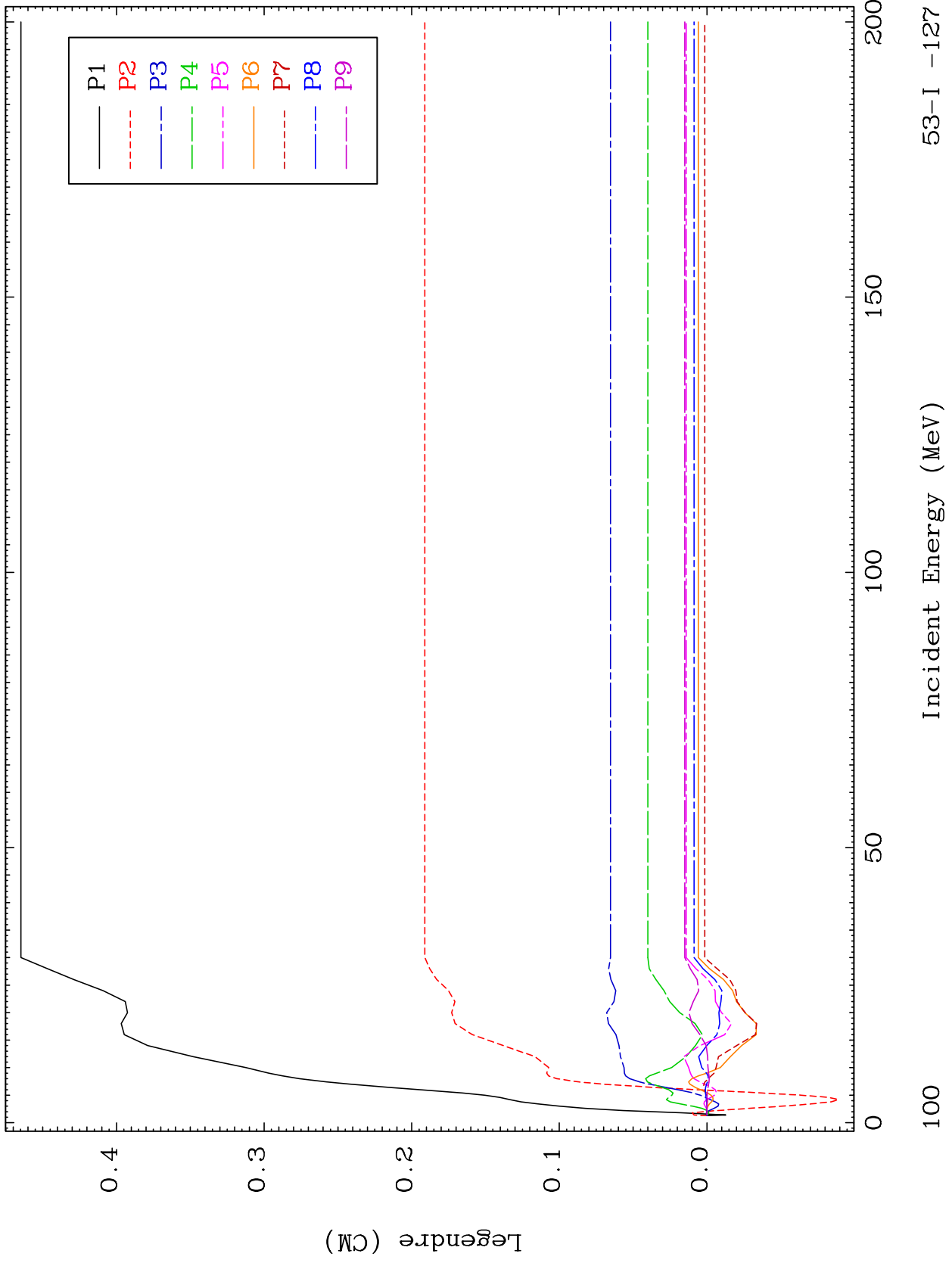




MAT 5325

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

53-I -127

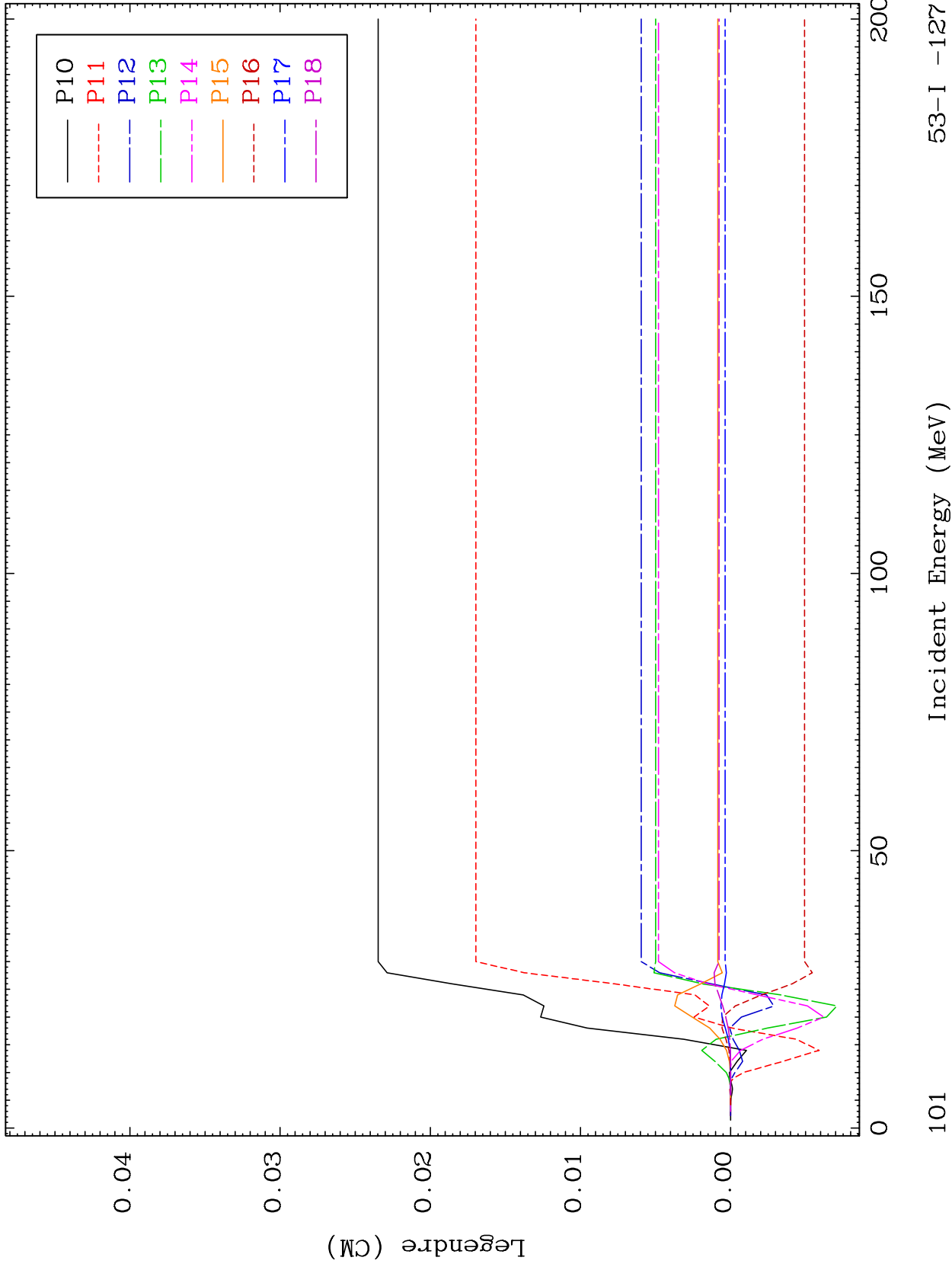


53-I -127

MAT 5325

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

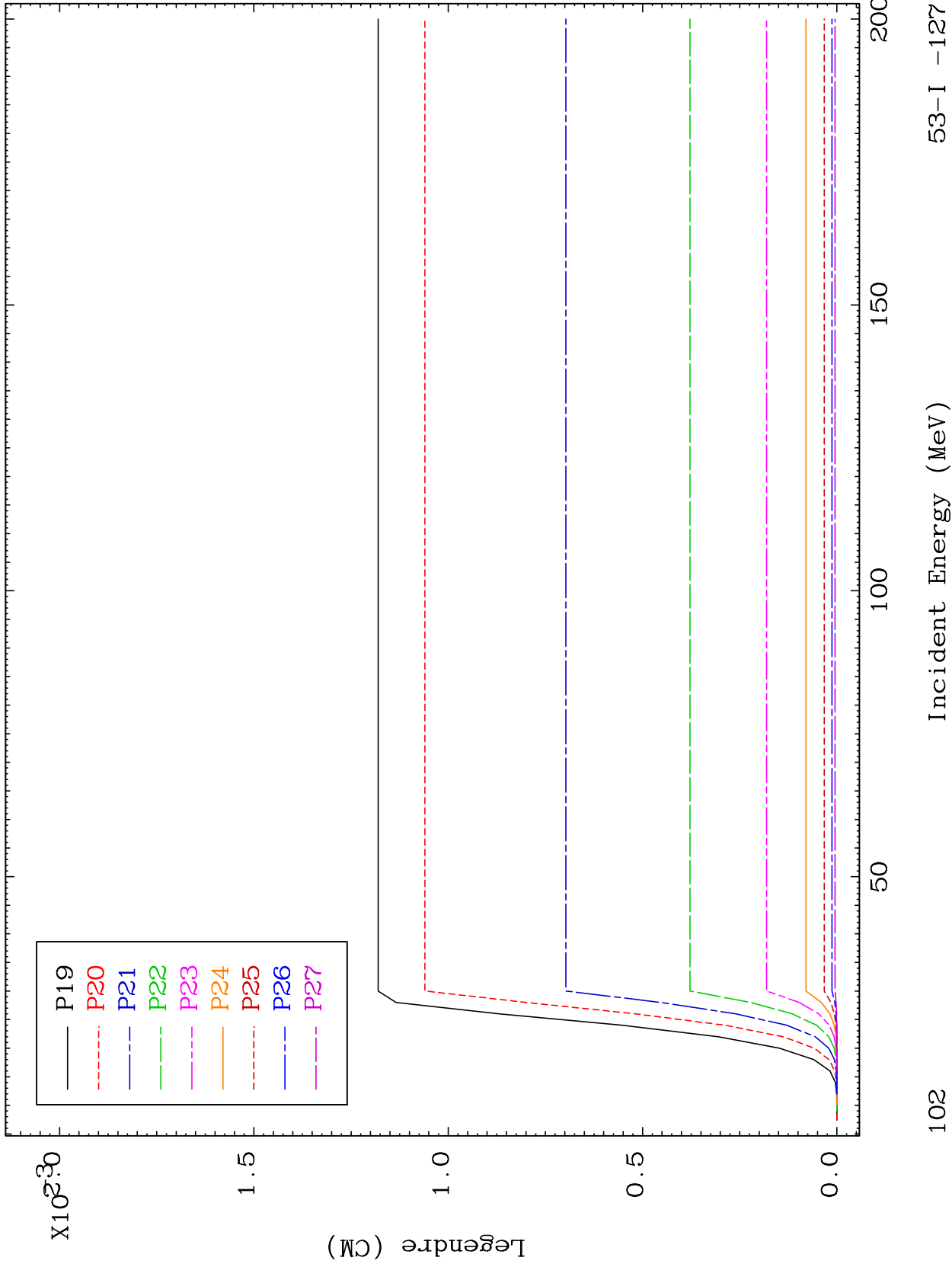
53-I -127

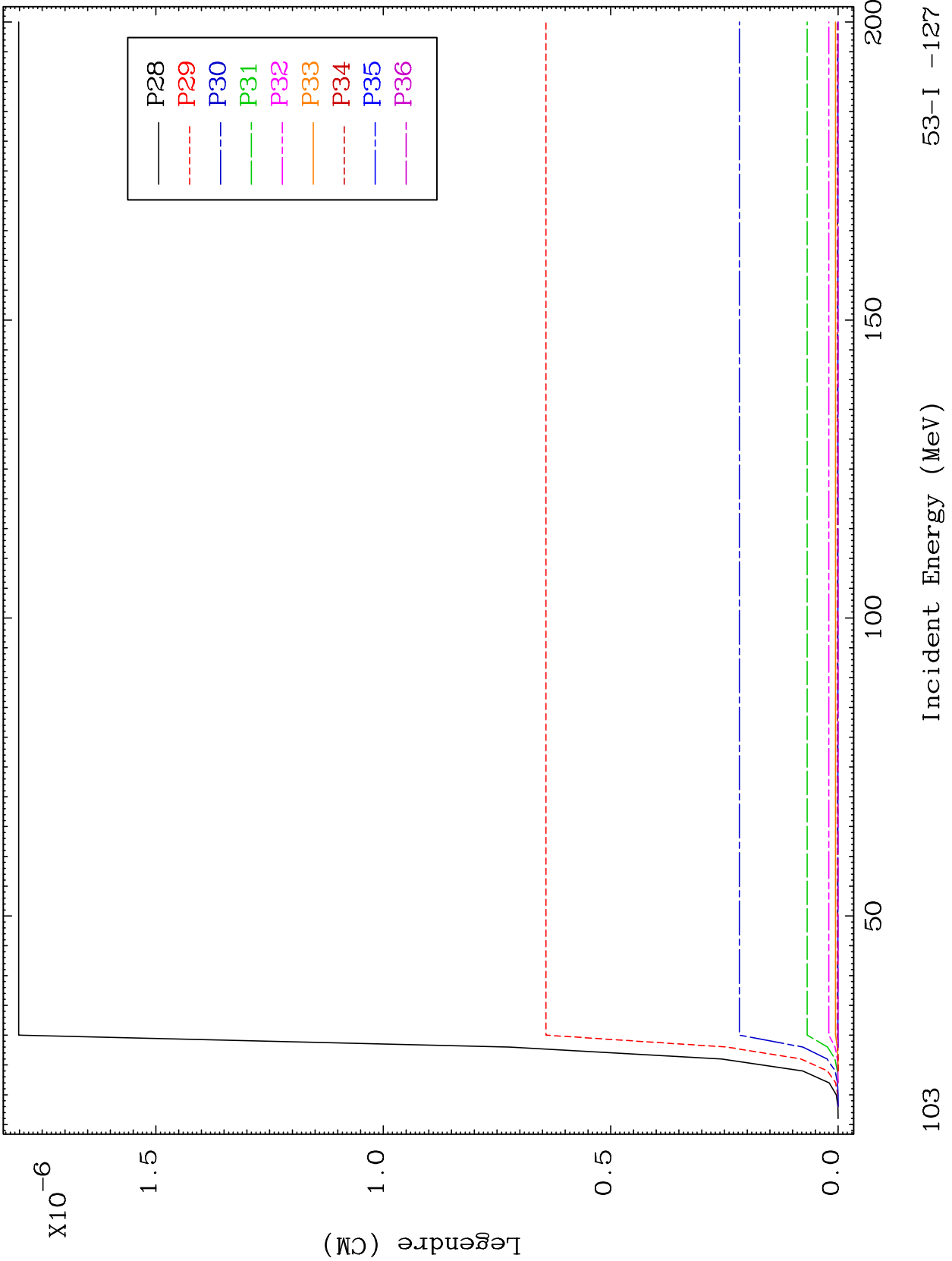


53-I -127

Incident Energy (MeV)

101

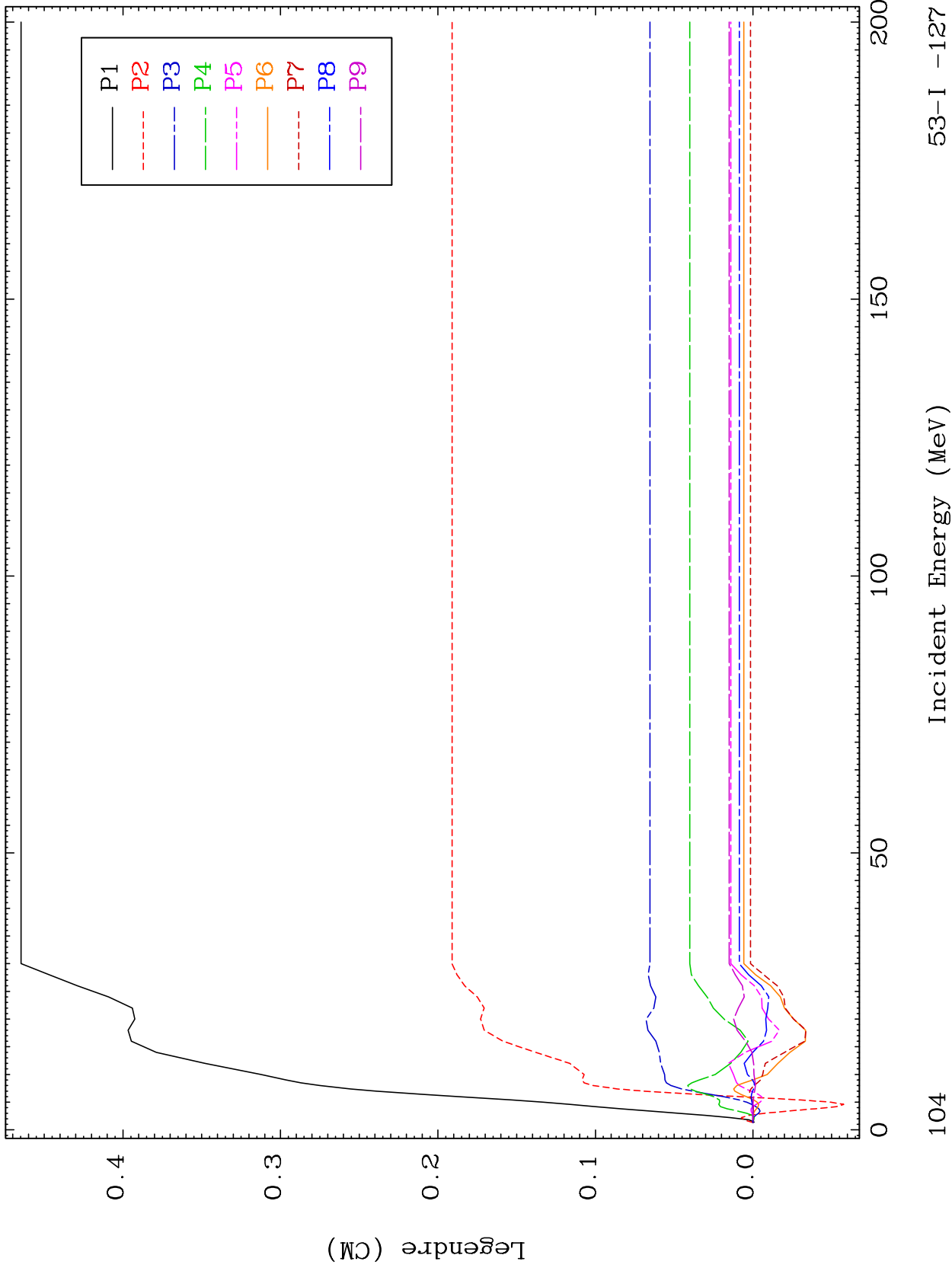




MAT 5325

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

53-I -127



53-I -127

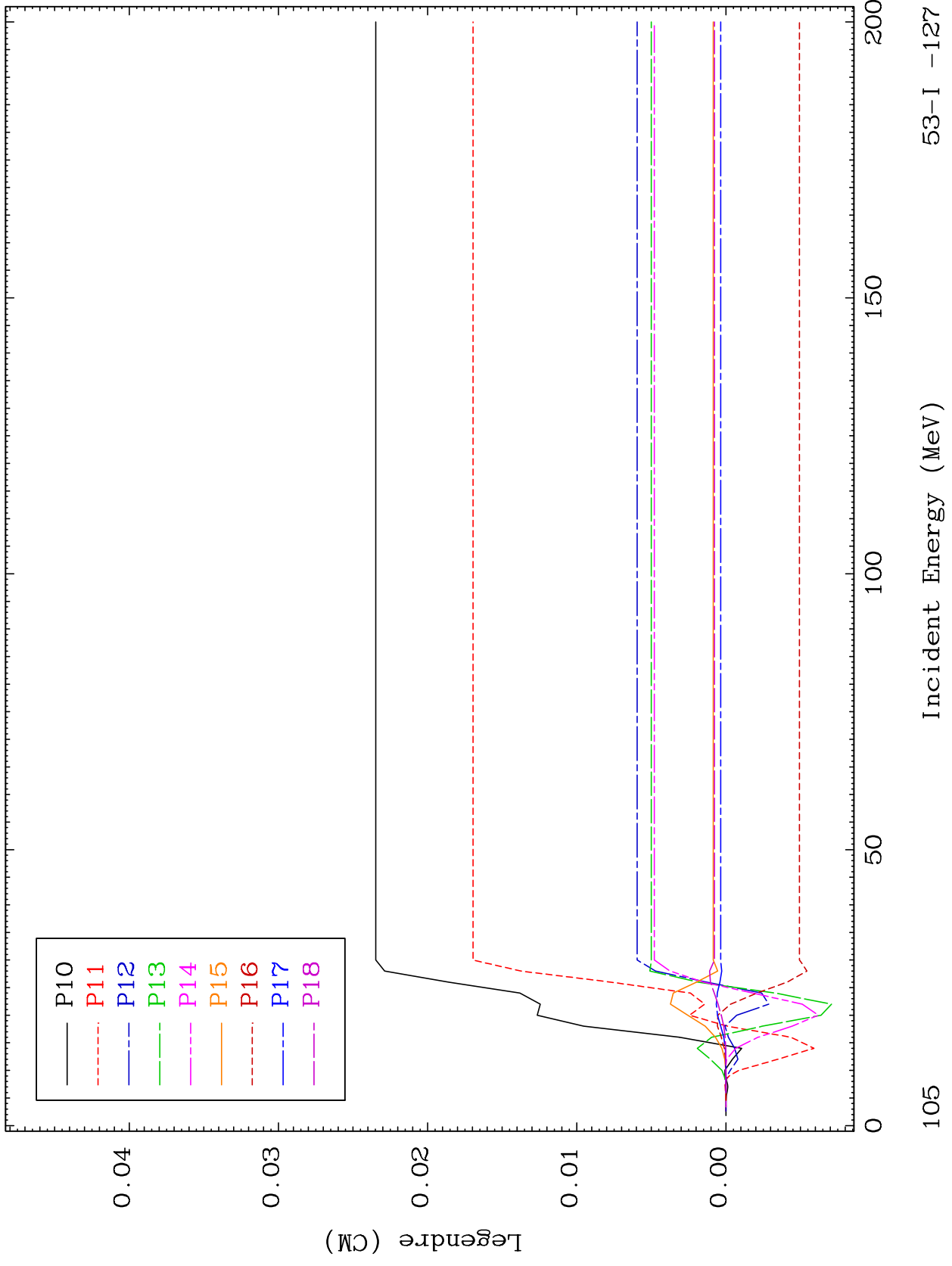
Incident Energy (MeV)

104

MAT 5325

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

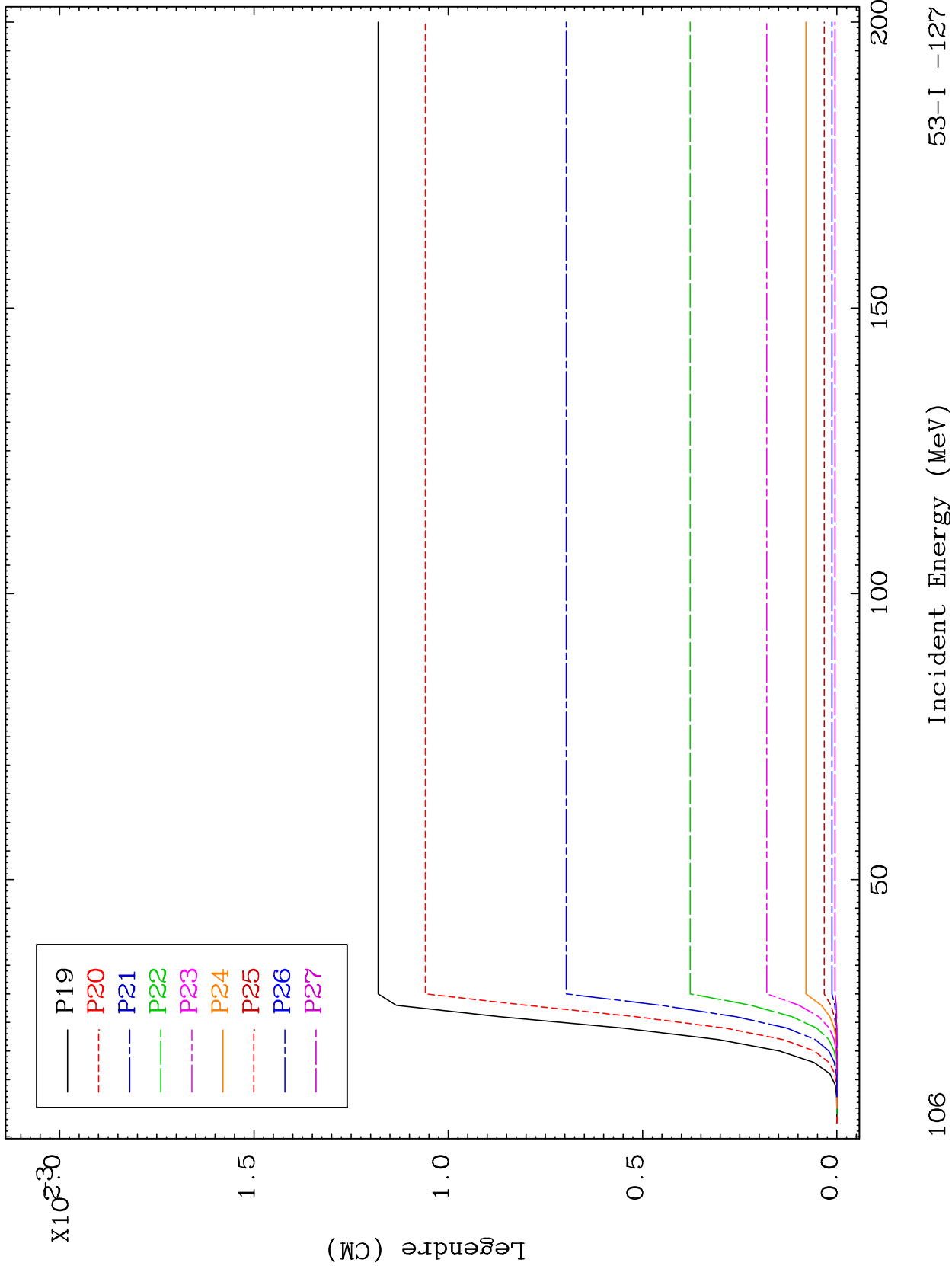
53-I -127

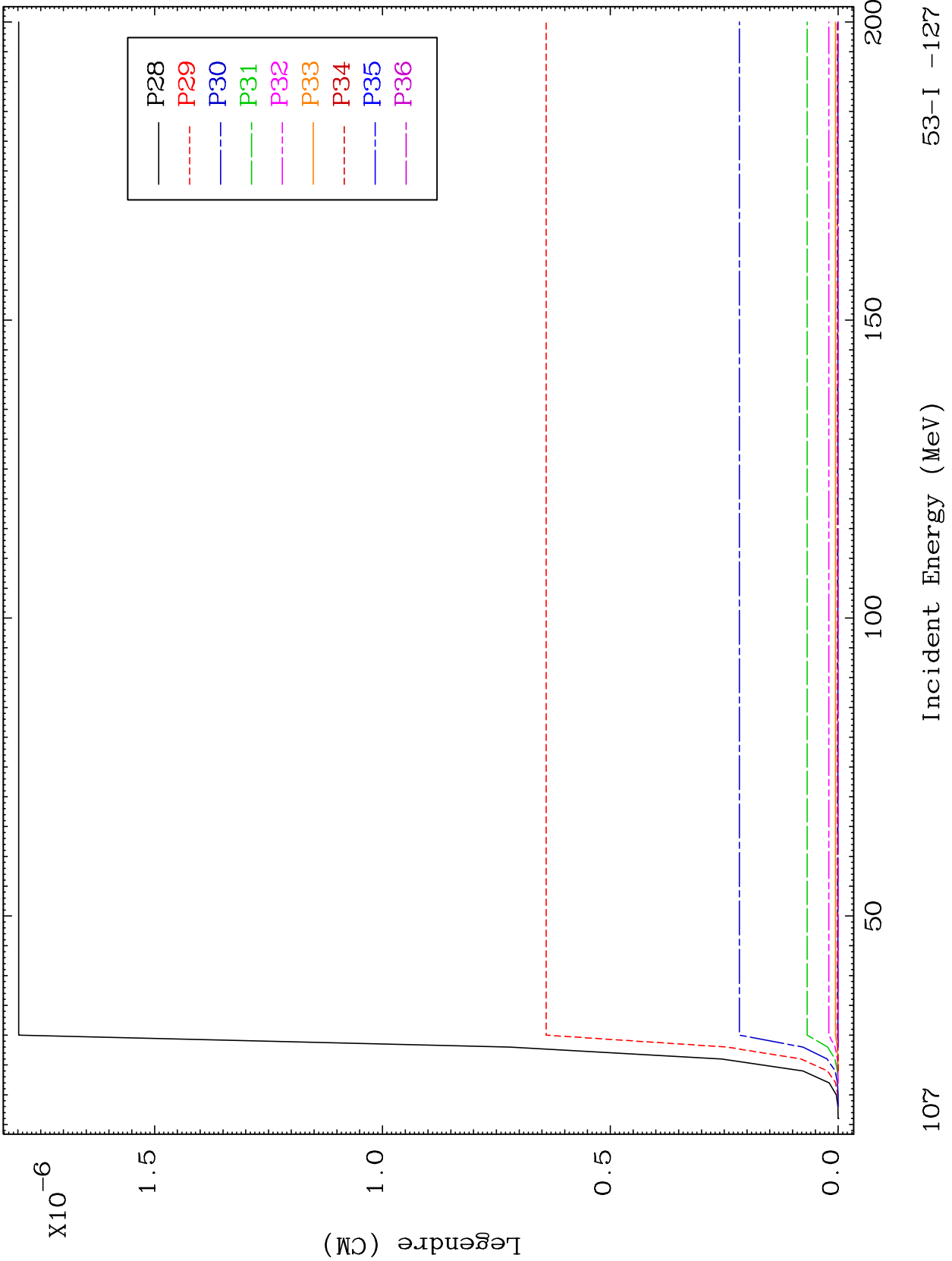


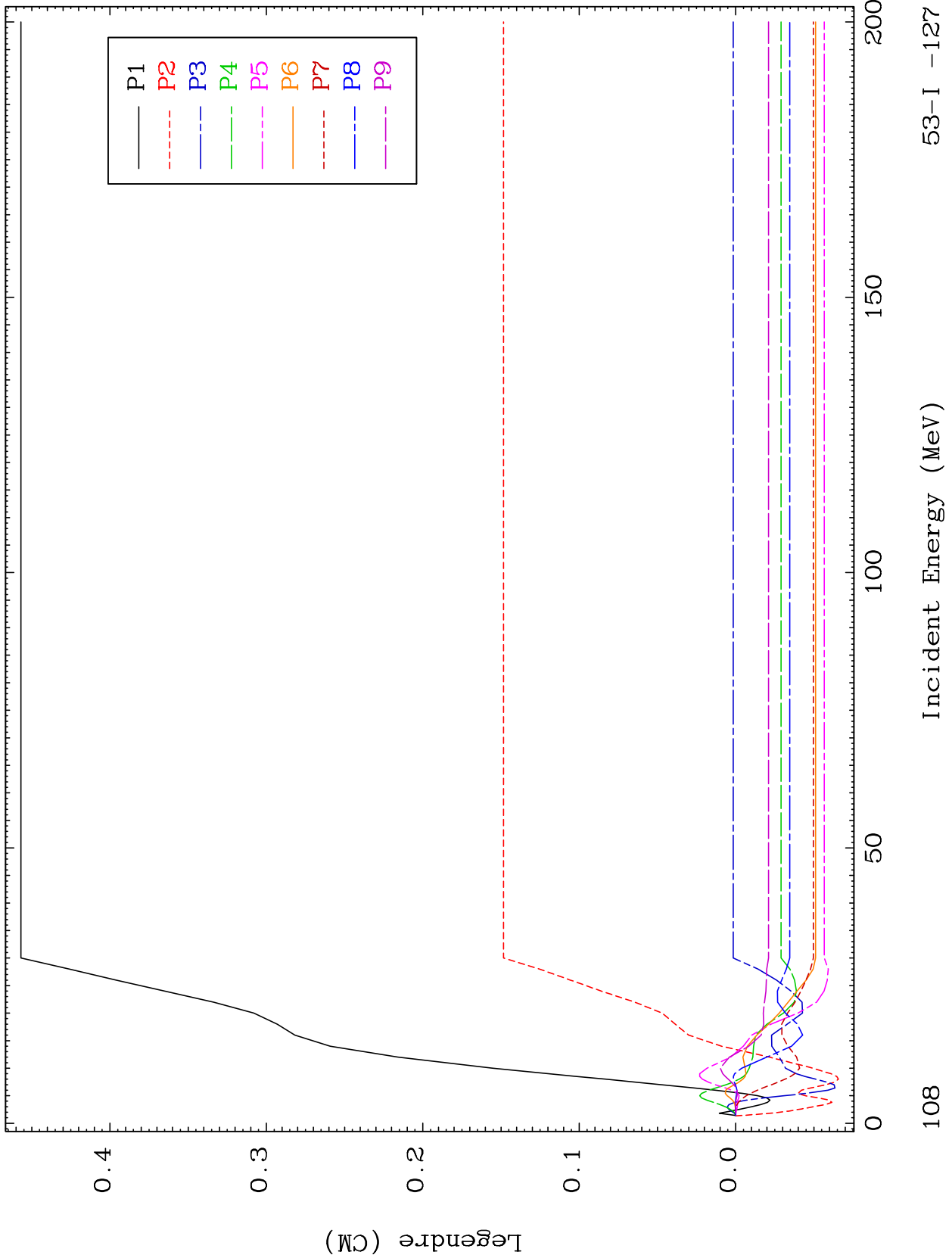
53-I -127

Incident Energy (MeV)

105



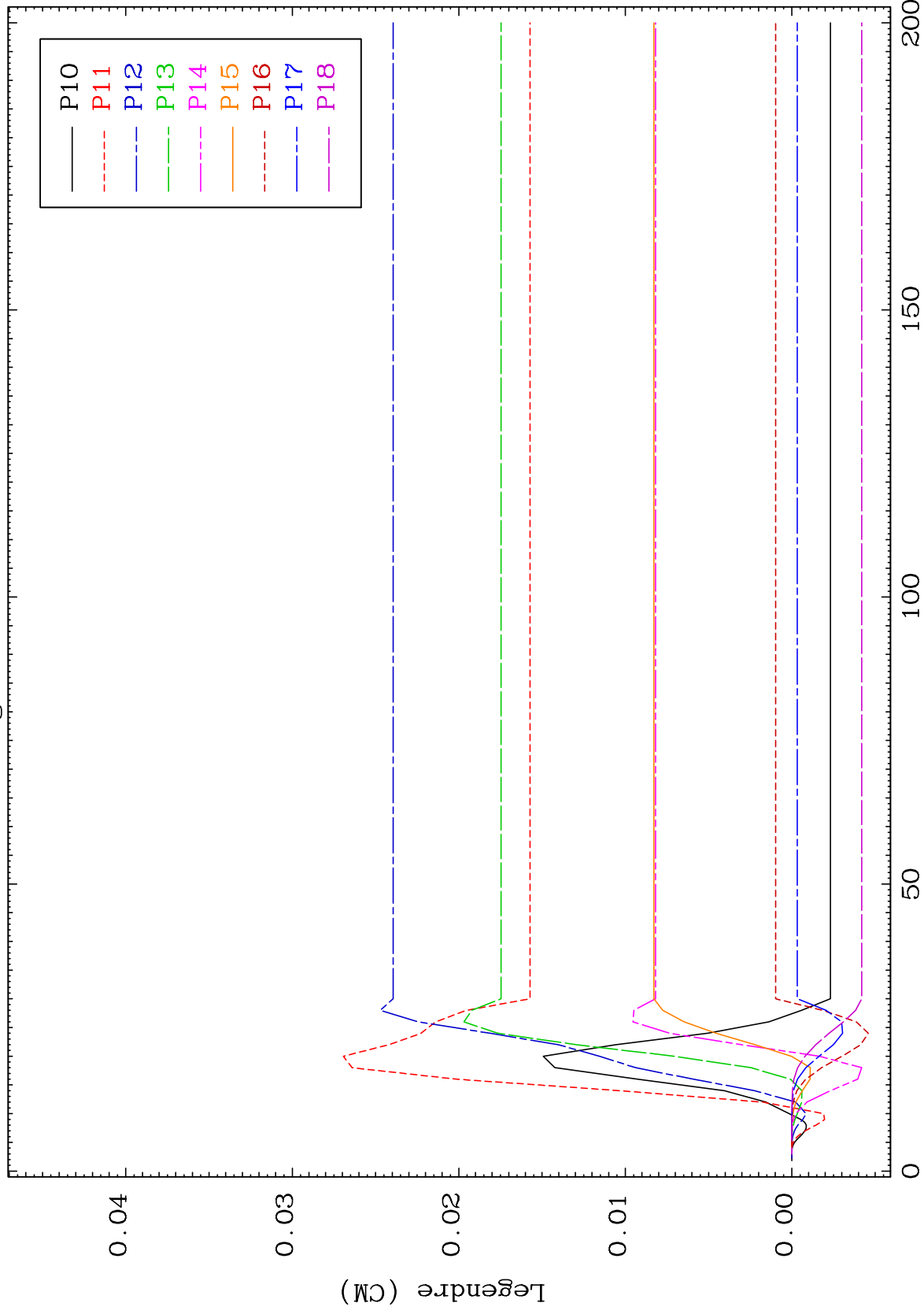




MAT 5325

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

53-I -127



109

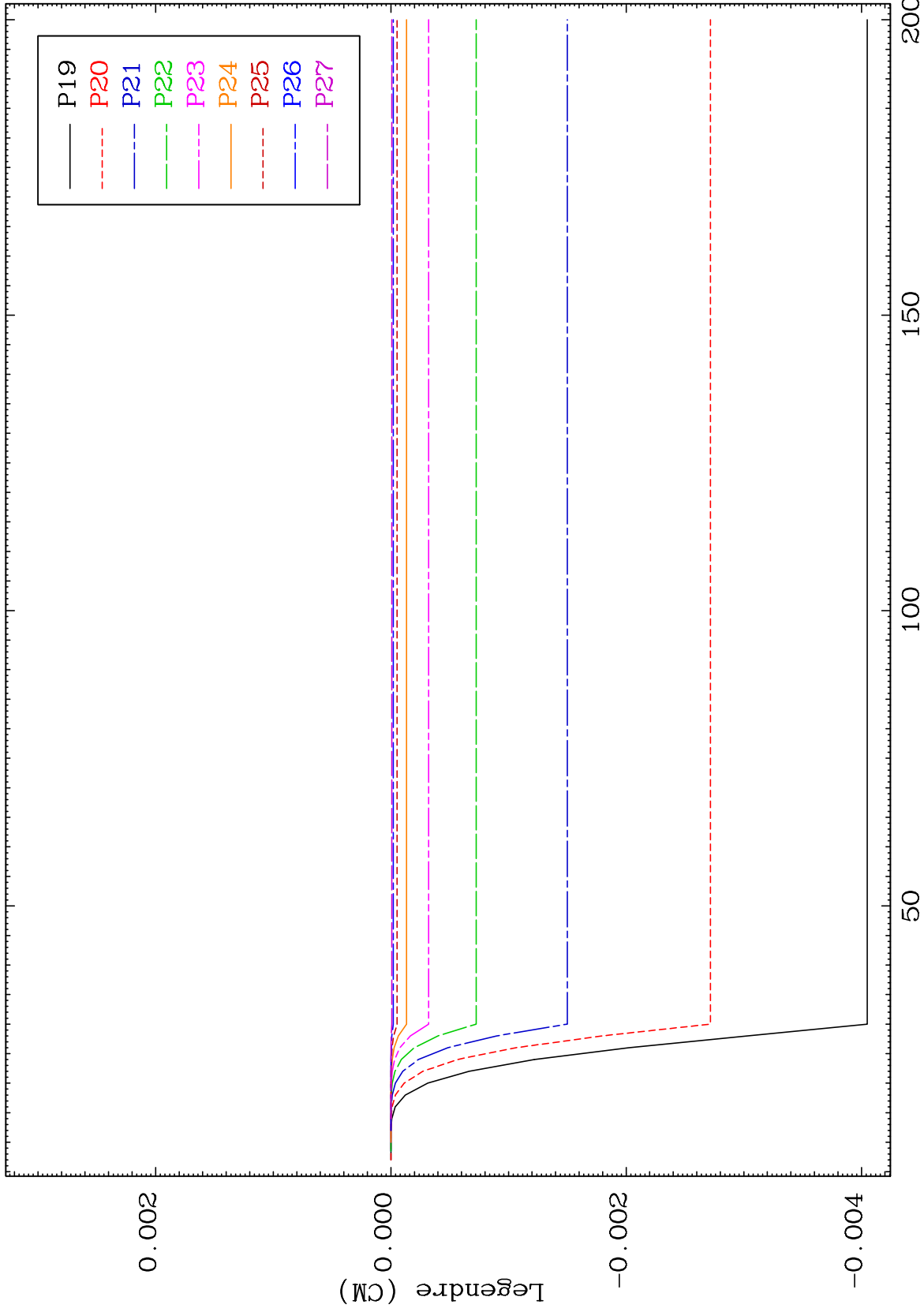
Incident Energy (MeV)

53-I -127

MAT 5325

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

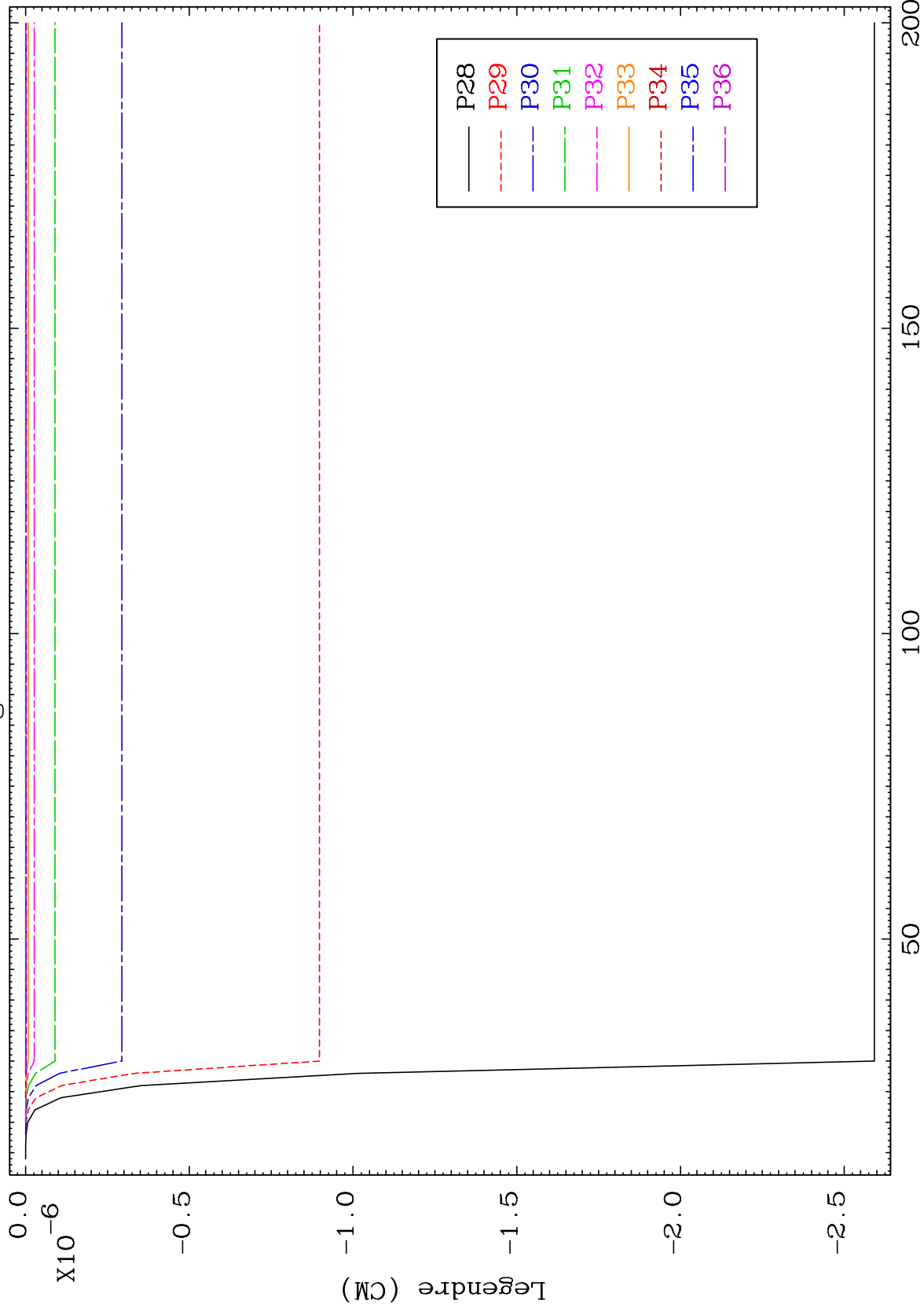
53-I -127



110

Incident Energy (MeV)

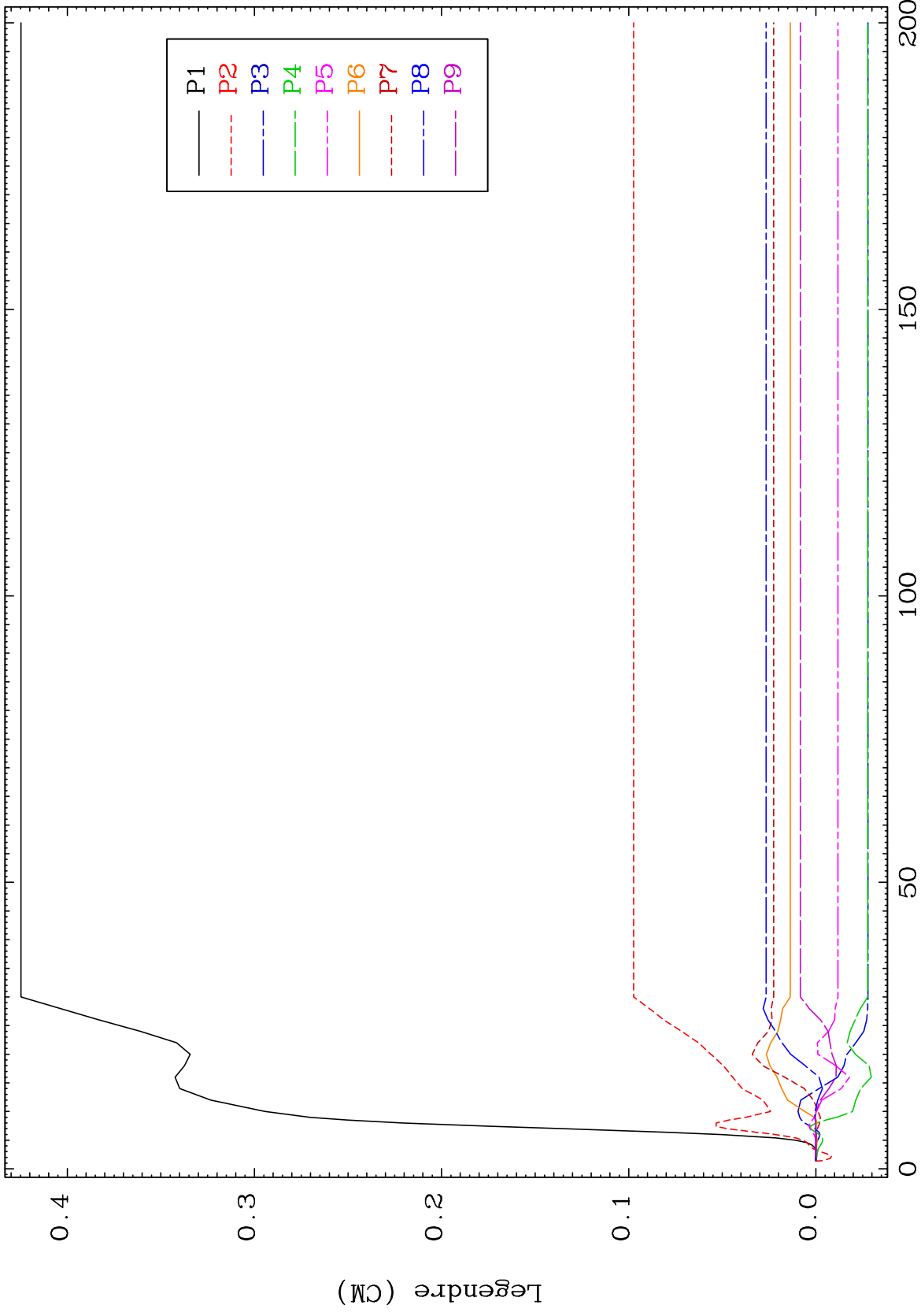
53-I -127



MAT 5325

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

53-I -127



112

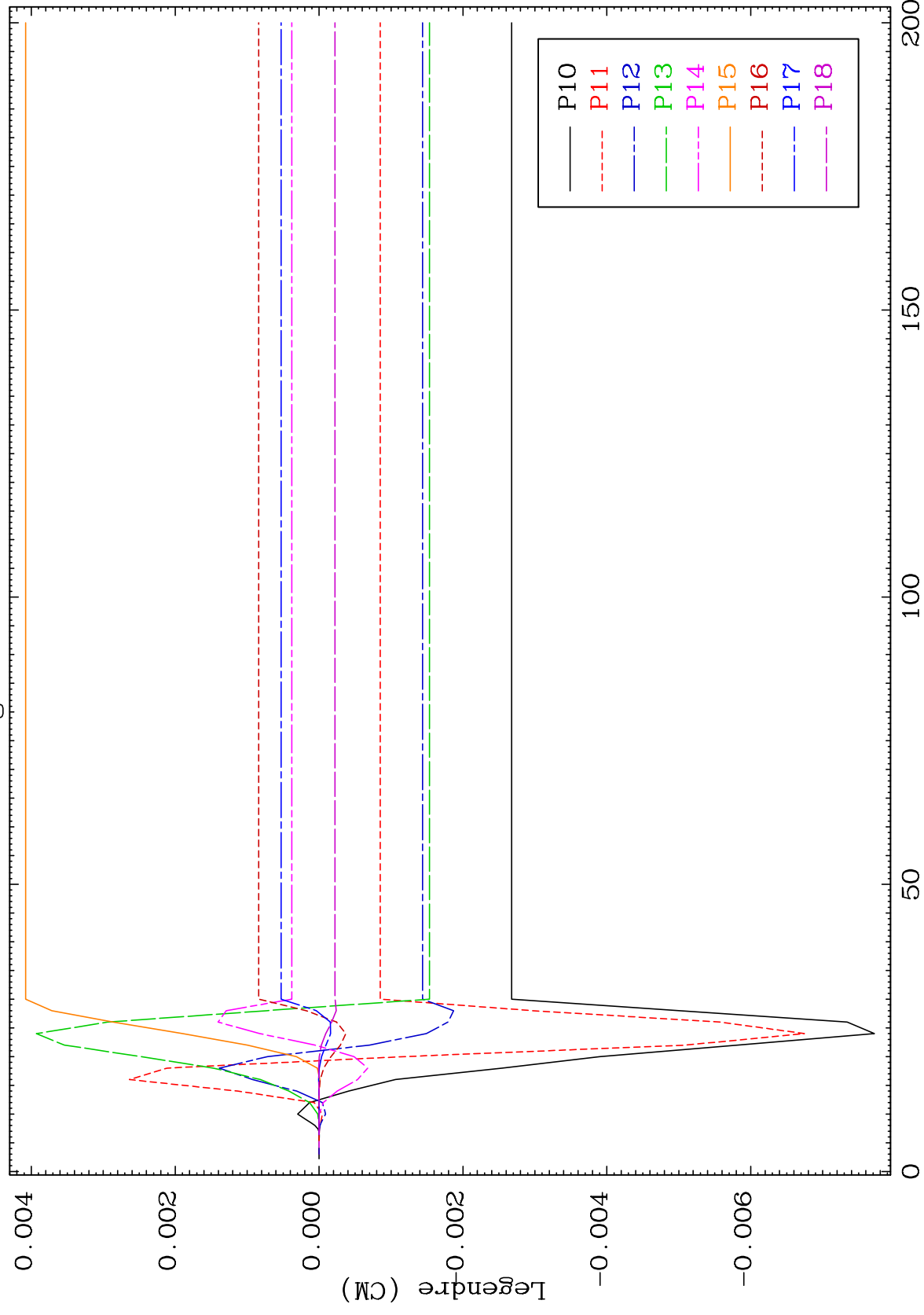
Incident Energy (MeV)

53-I -127

MAT 5325

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

53-I -127



113

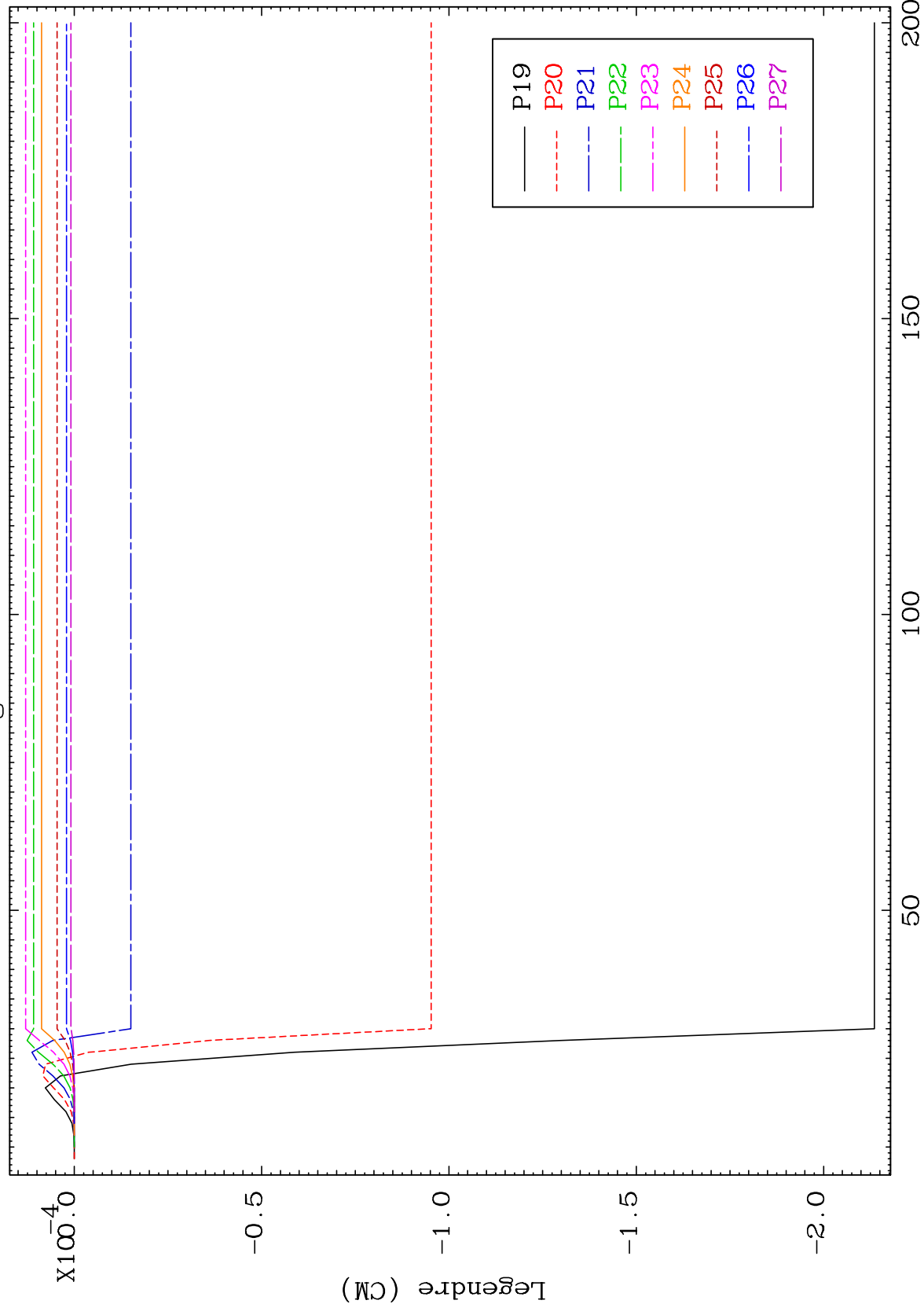
Incident Energy (MeV)

53-I -127

MAT 5325

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

53-I -127



114

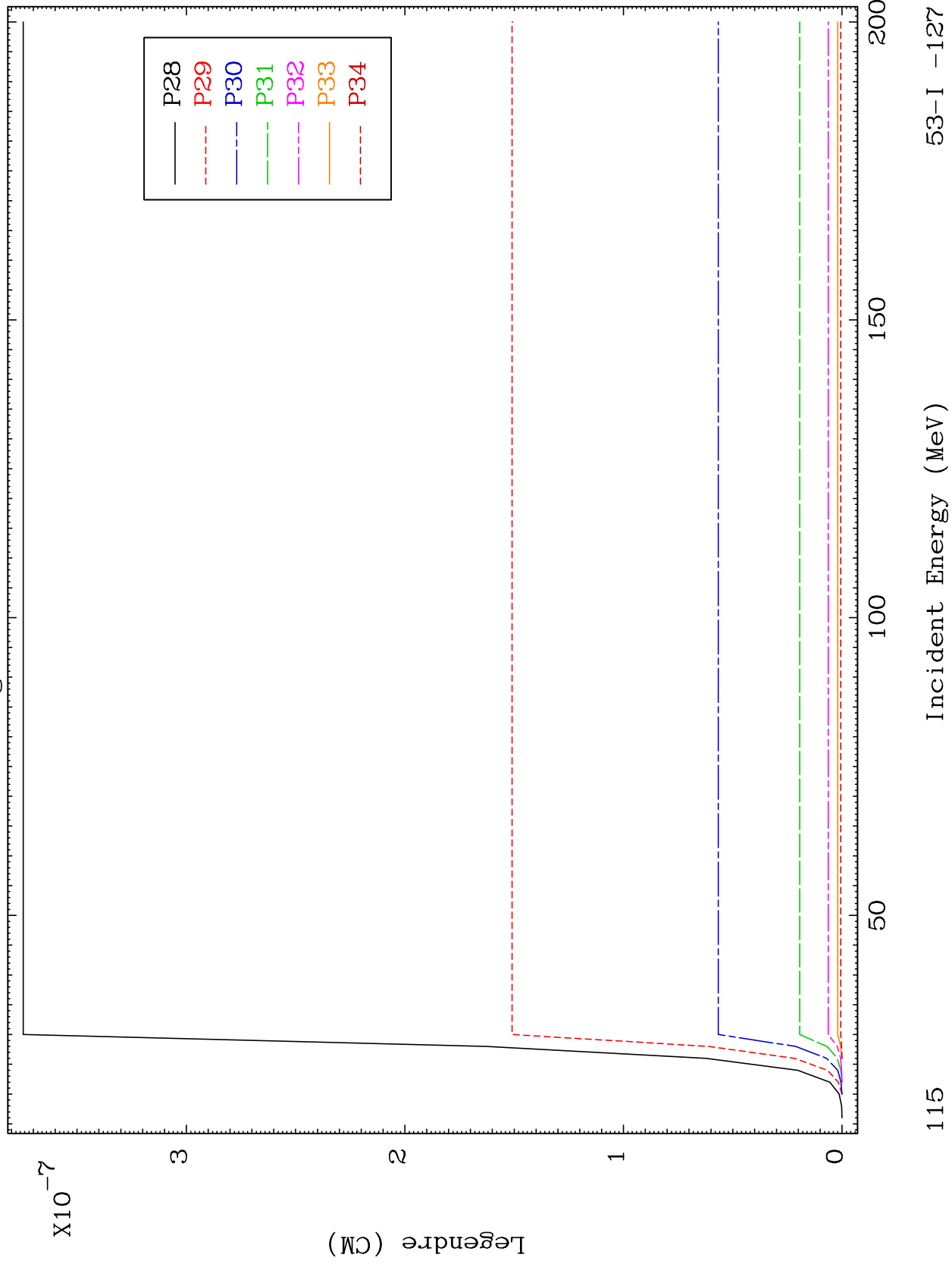
Incident Energy (MeV)

53-I -127

MAT 5325

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

53-I -127



53-I -127

Incident Energy (MeV)

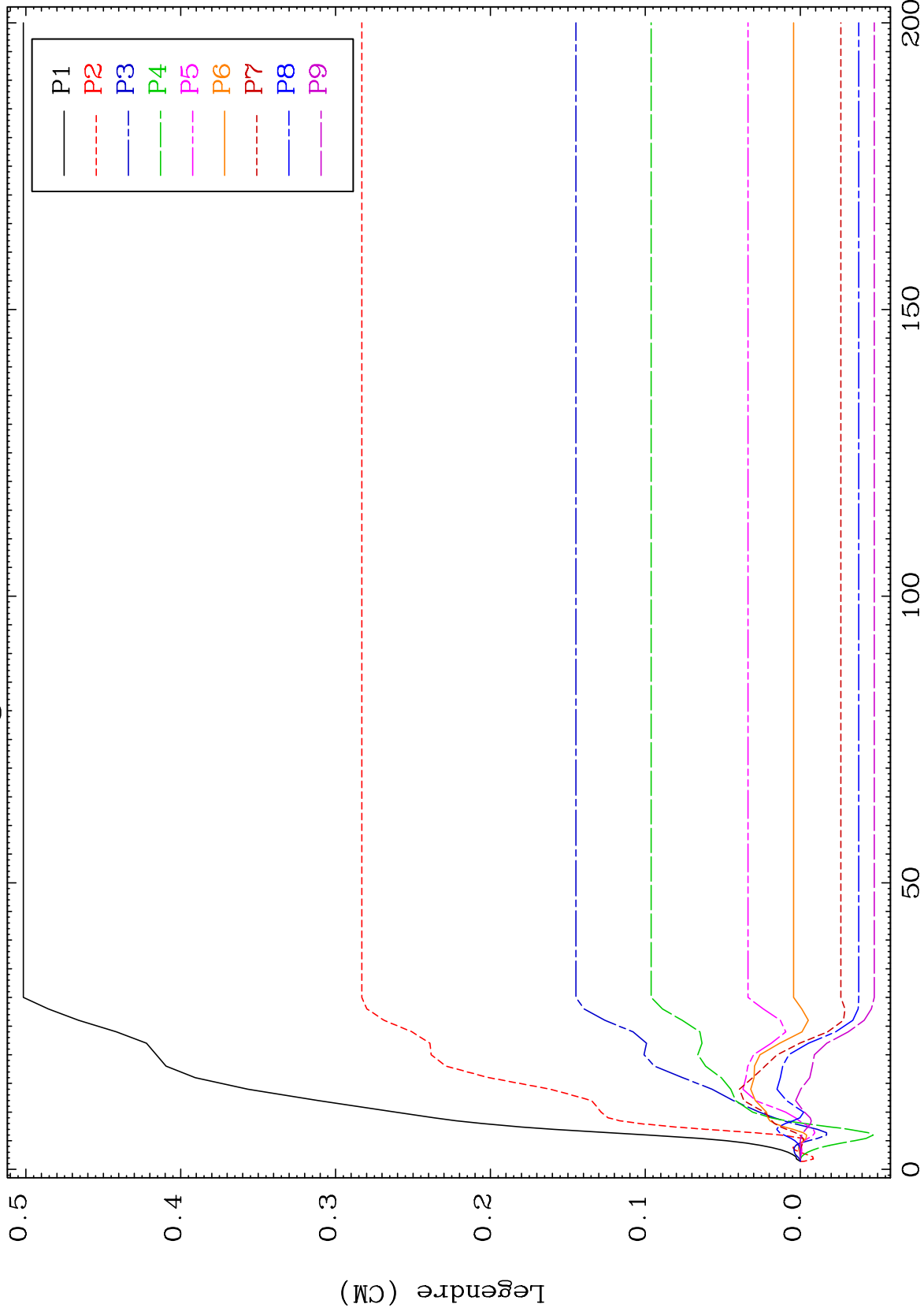
115

MAT 5325

MT= 76 (n,n') Level

53-I -127

Legendre Coefficients



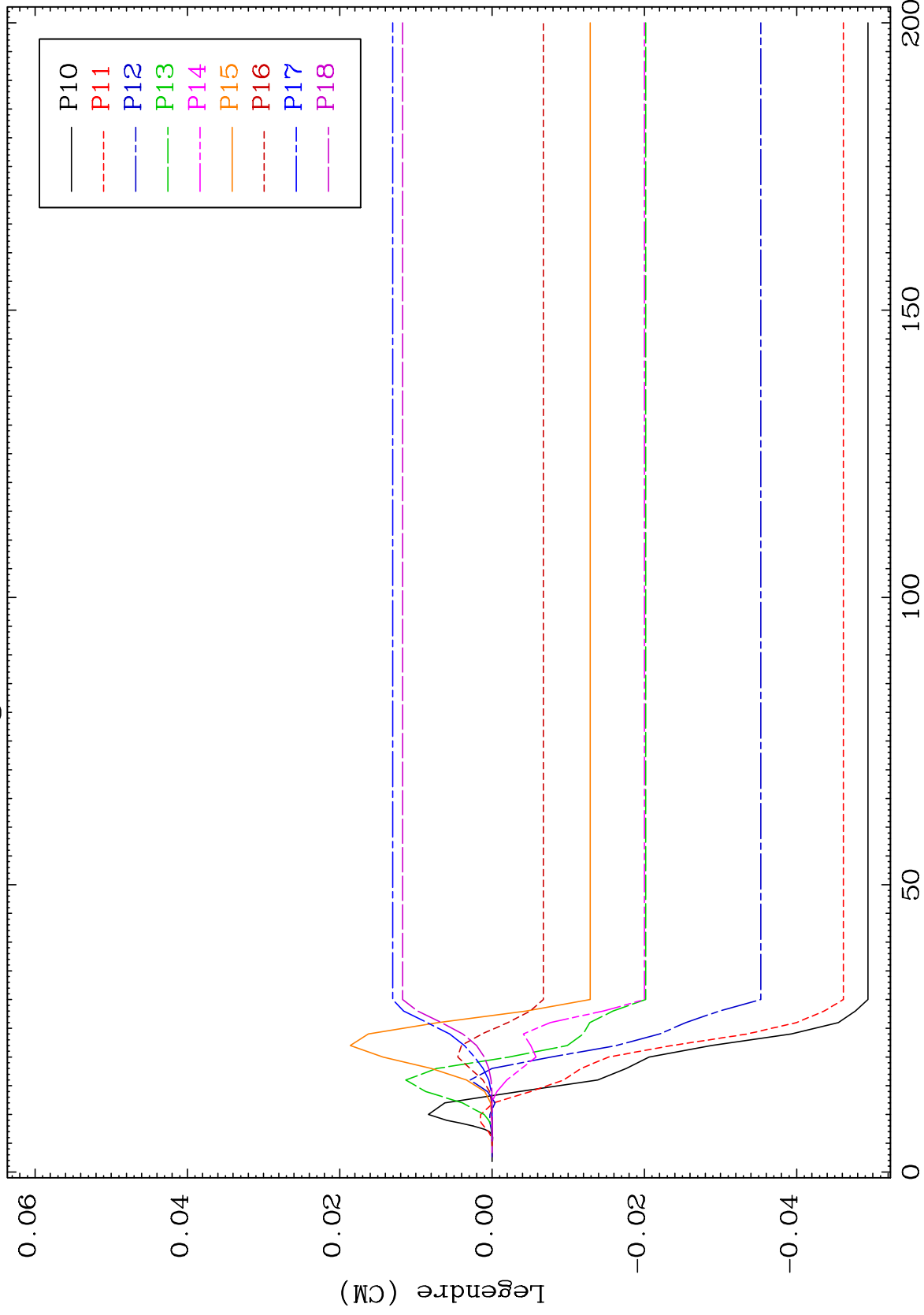
116

53-I -127

MAT 5325

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

53-I -127



117

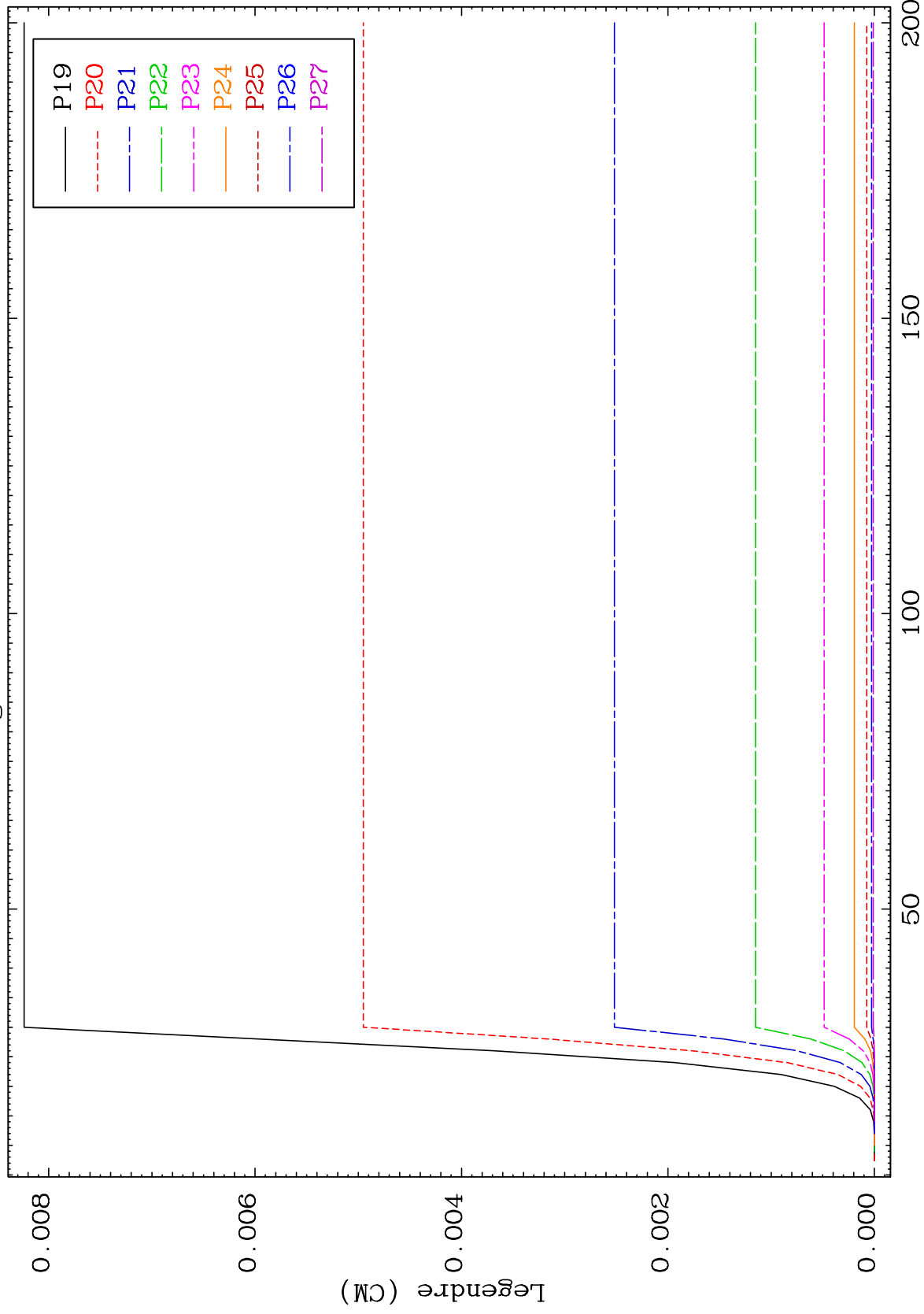
Incident Energy (MeV)

53-I -127

MAT 5325

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

53-I -127



118

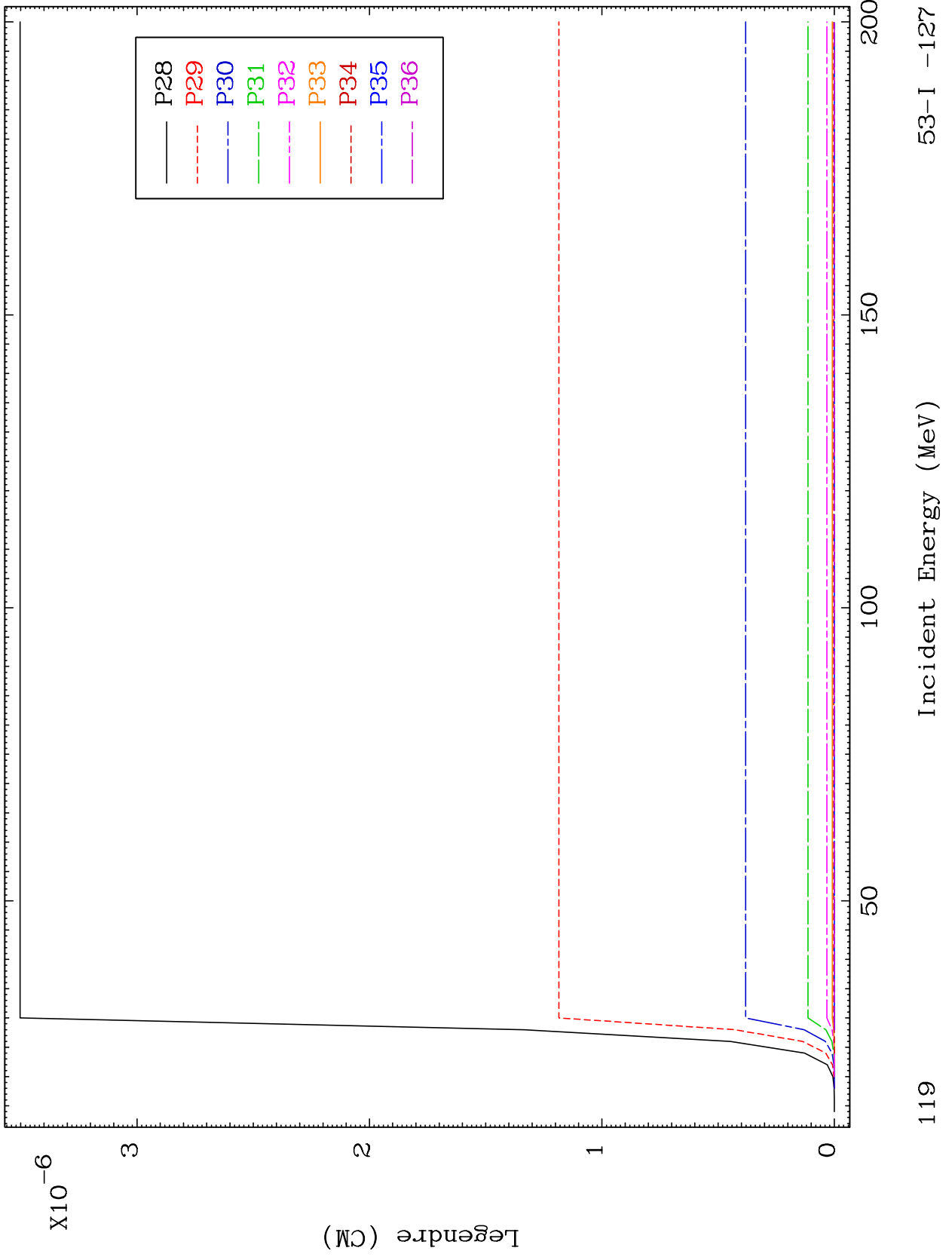
Incident Energy (MeV)

53-I -127

MAT 5325

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

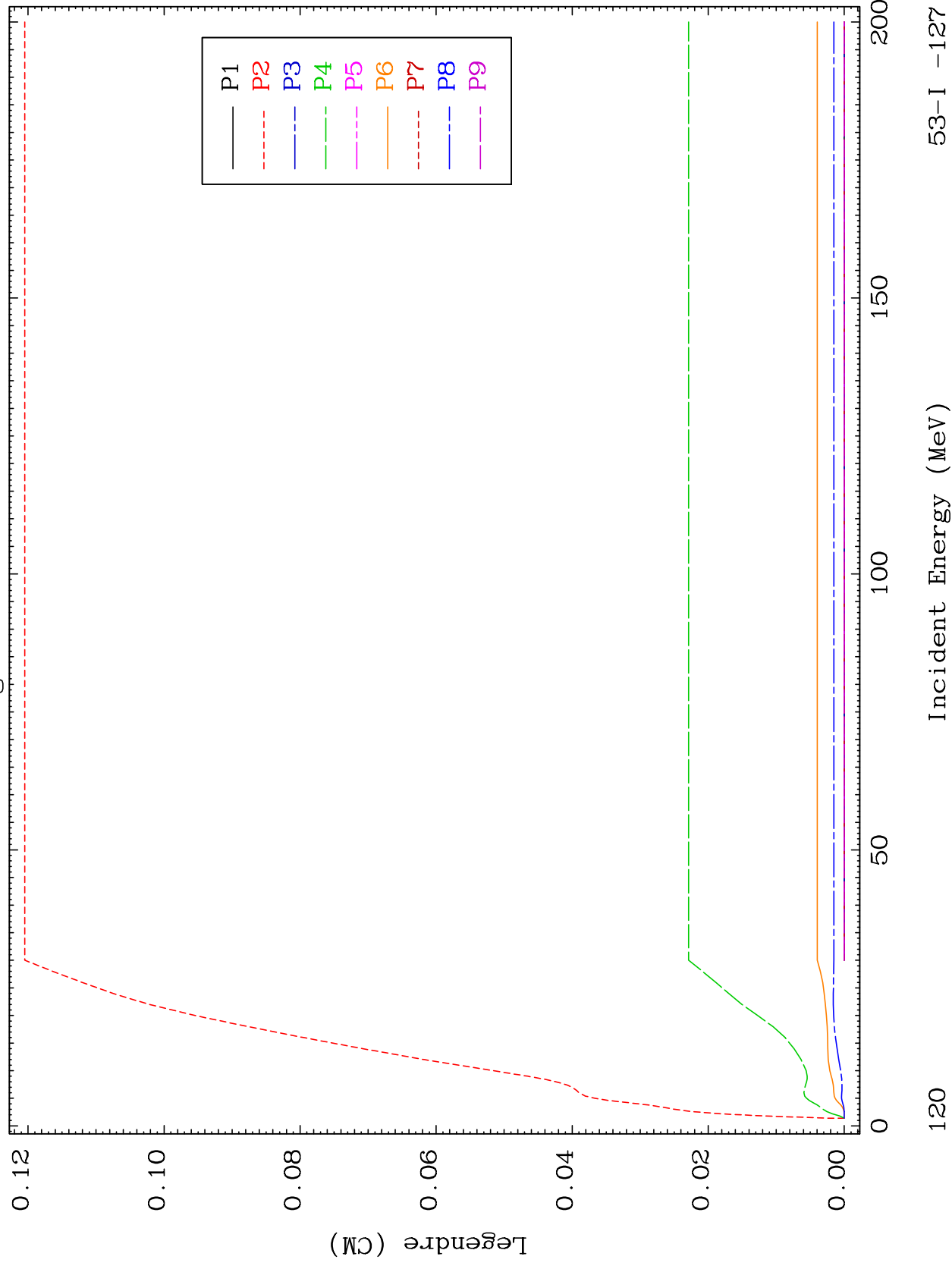
53-I -127



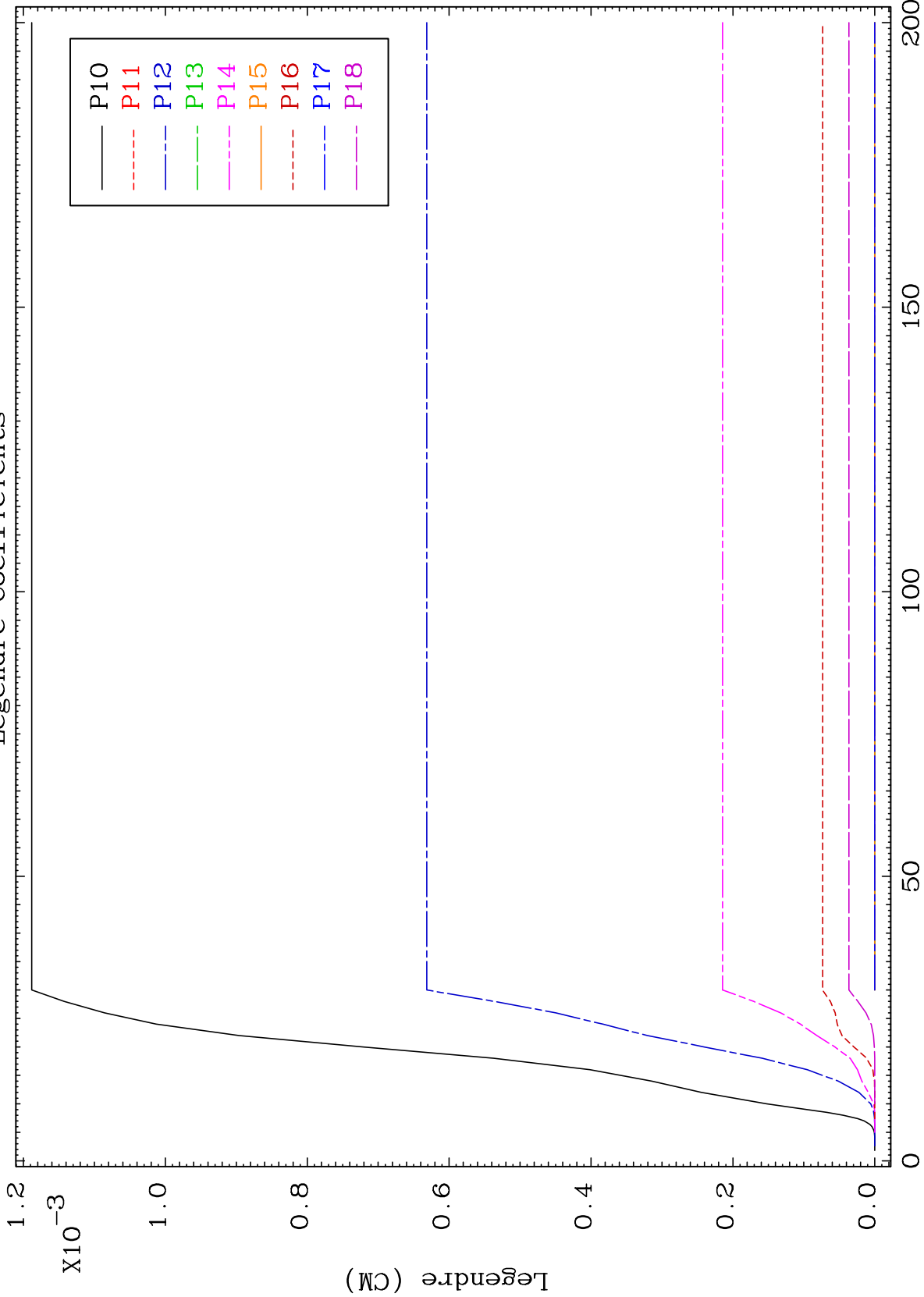
MAT 5325

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

53-I -127



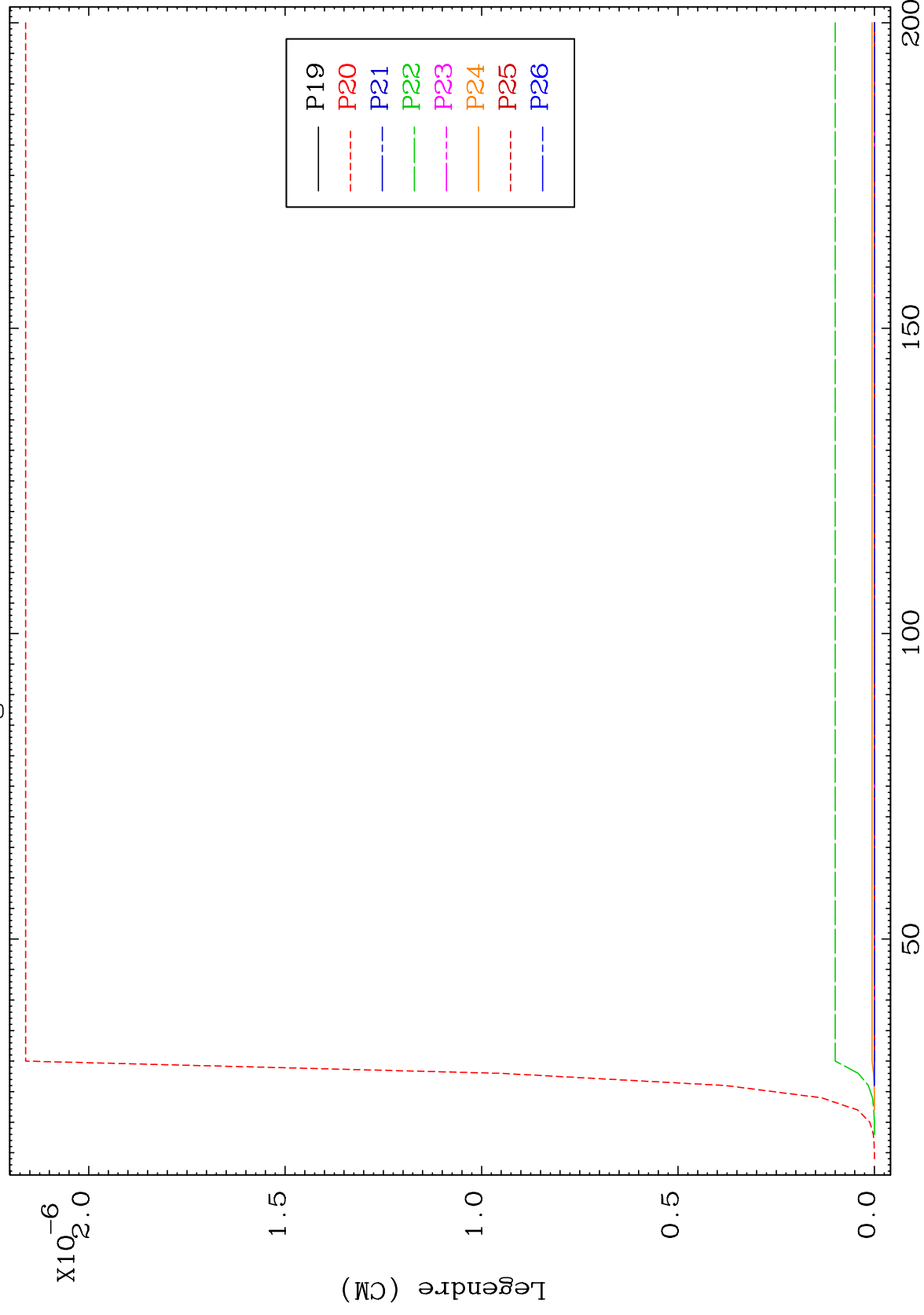
53-I -127



MAT 5325

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

53-I -127



122

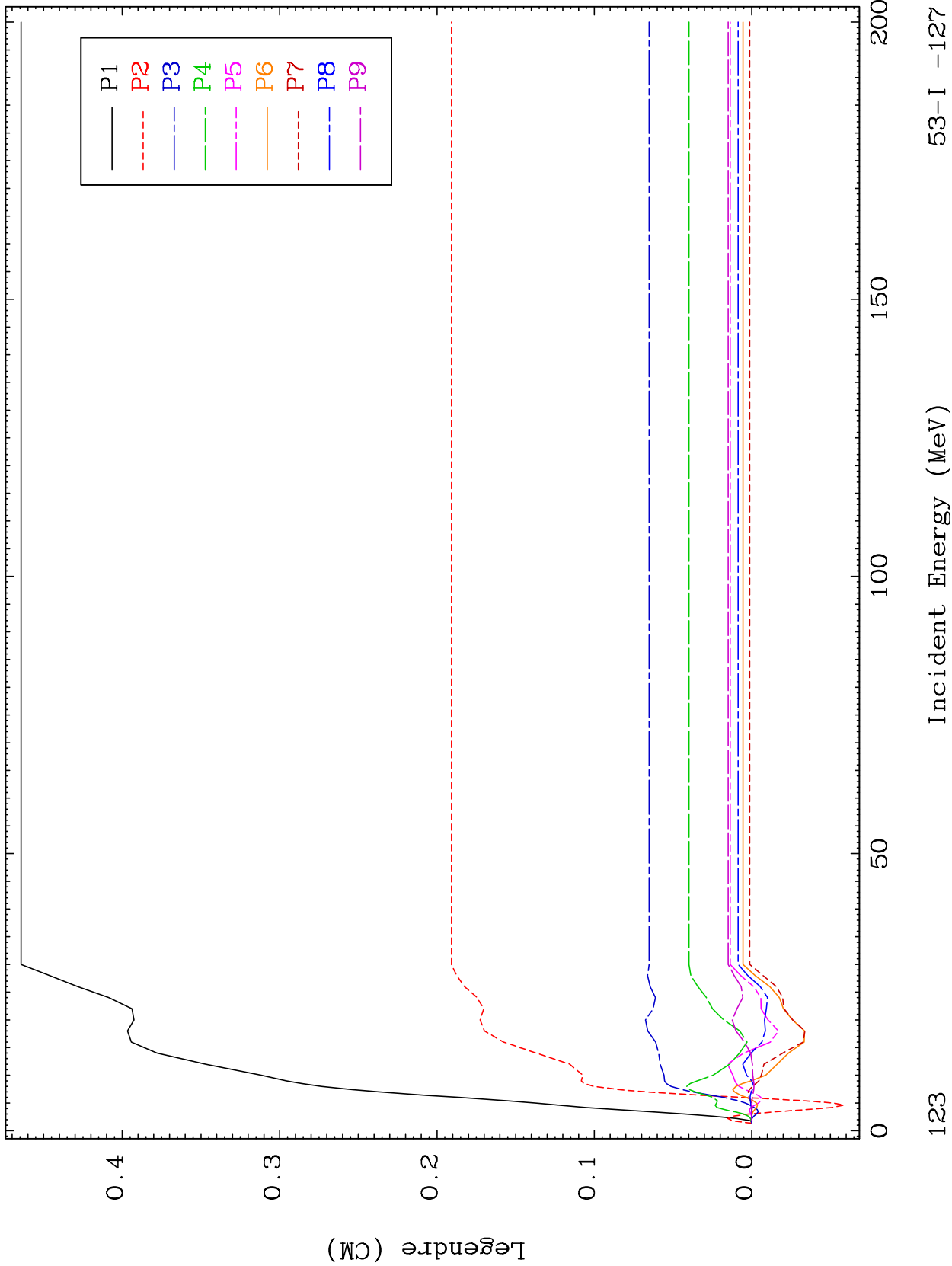
Incident Energy (MeV)

53-I -127

MAT 5325

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

53-I -127



53-I -127

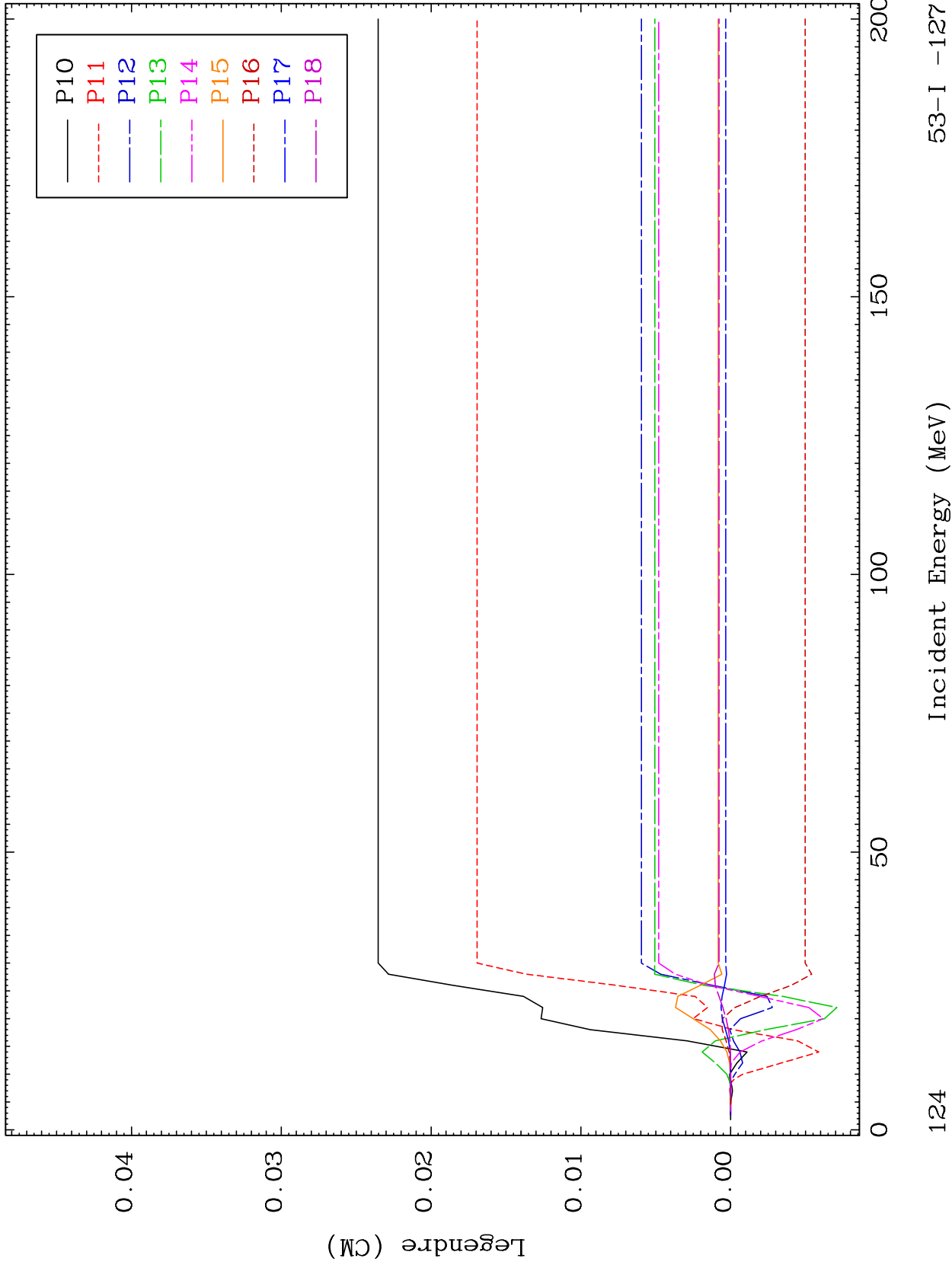
Incident Energy (MeV)

123

MAT 5325

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

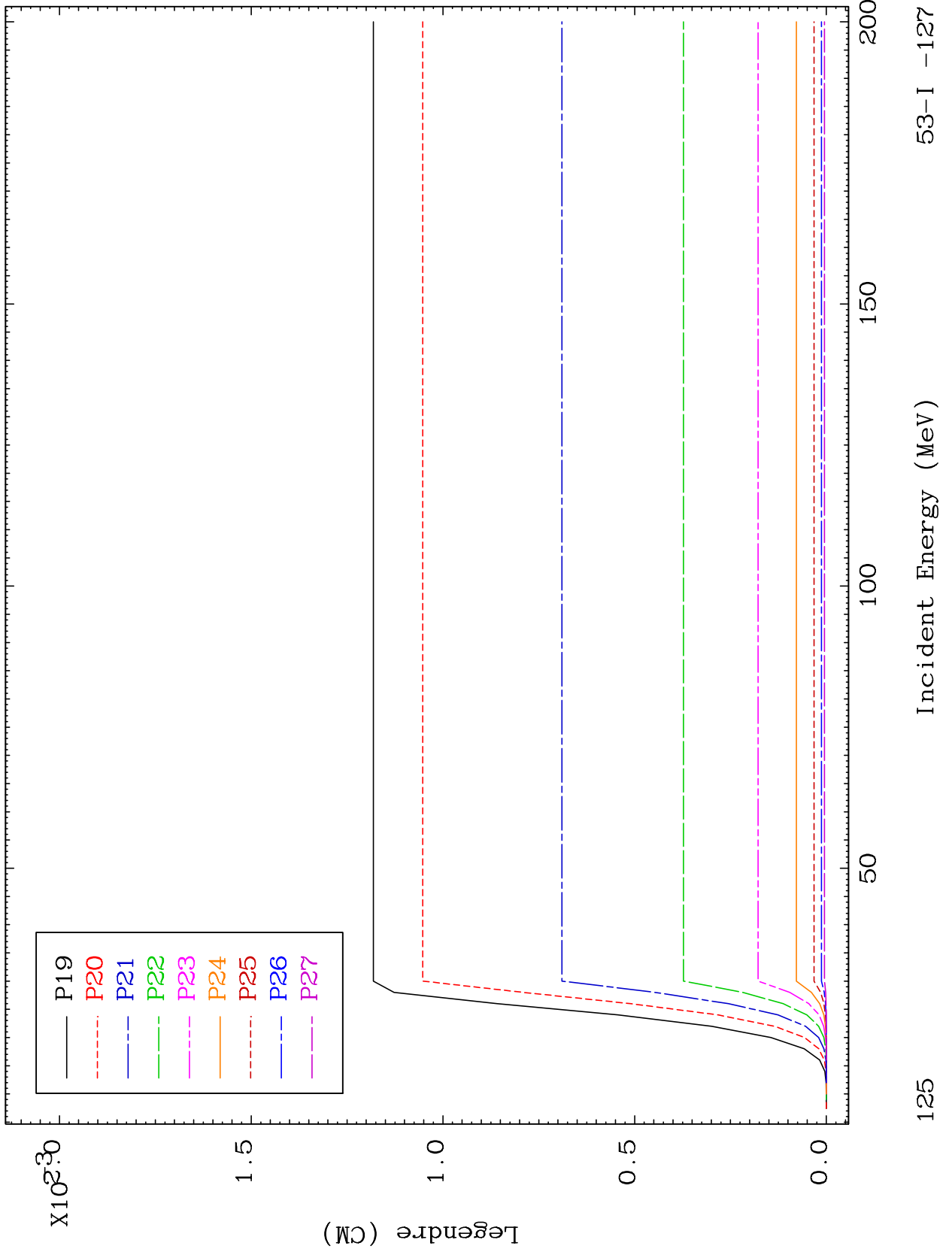
53-I -127

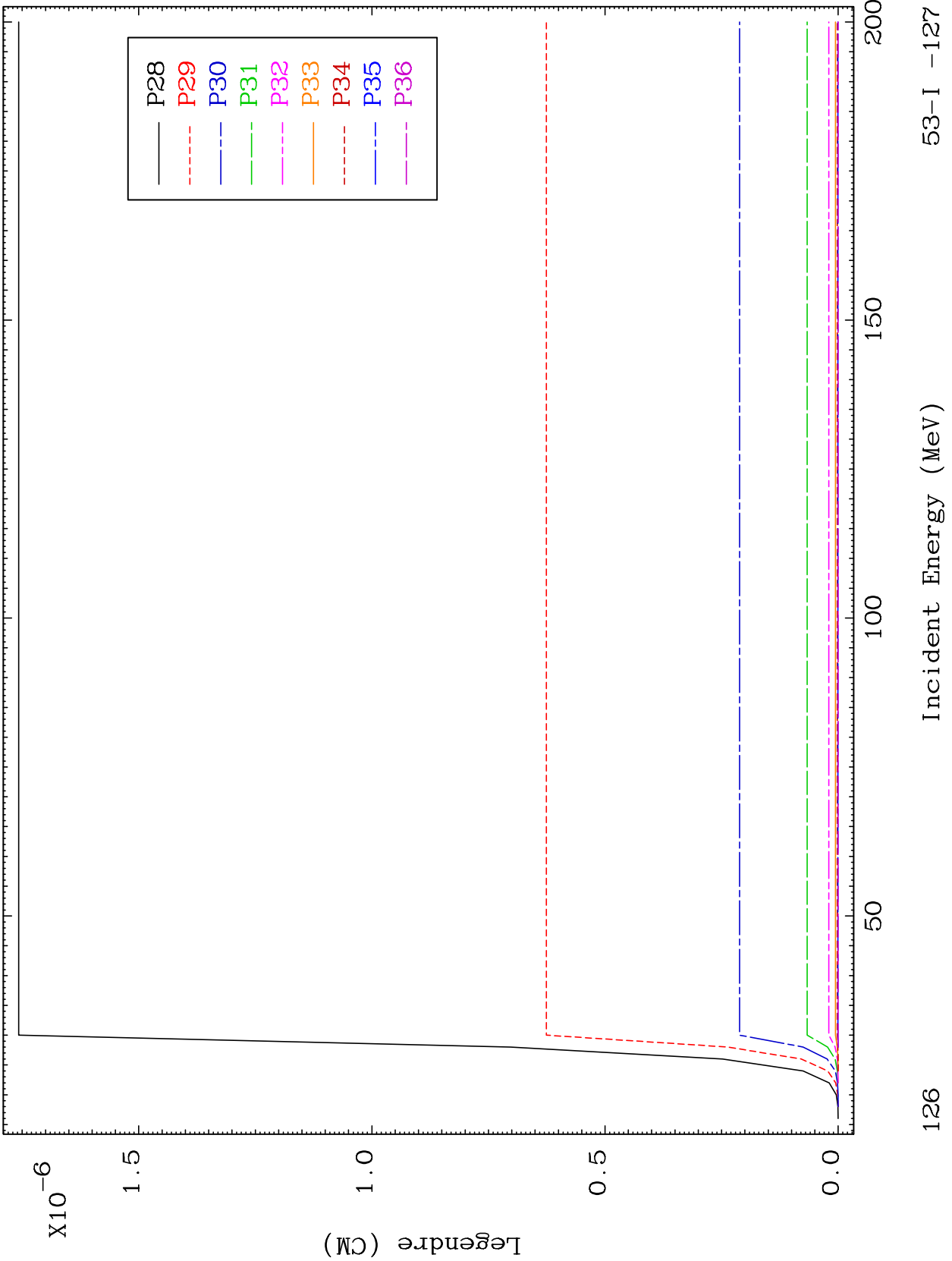


53-I -127

Incident Energy (MeV)

124

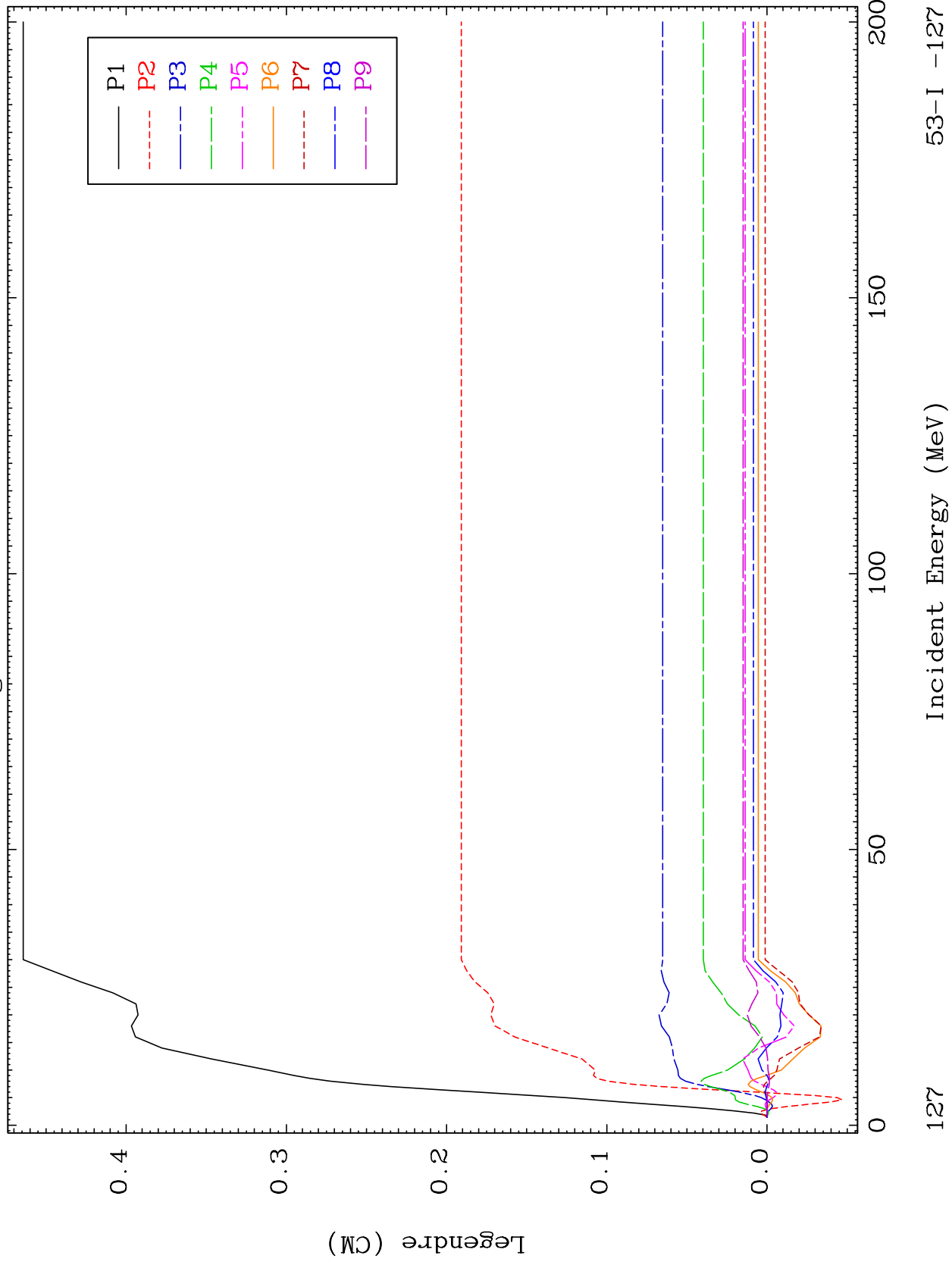




MAT 5325

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

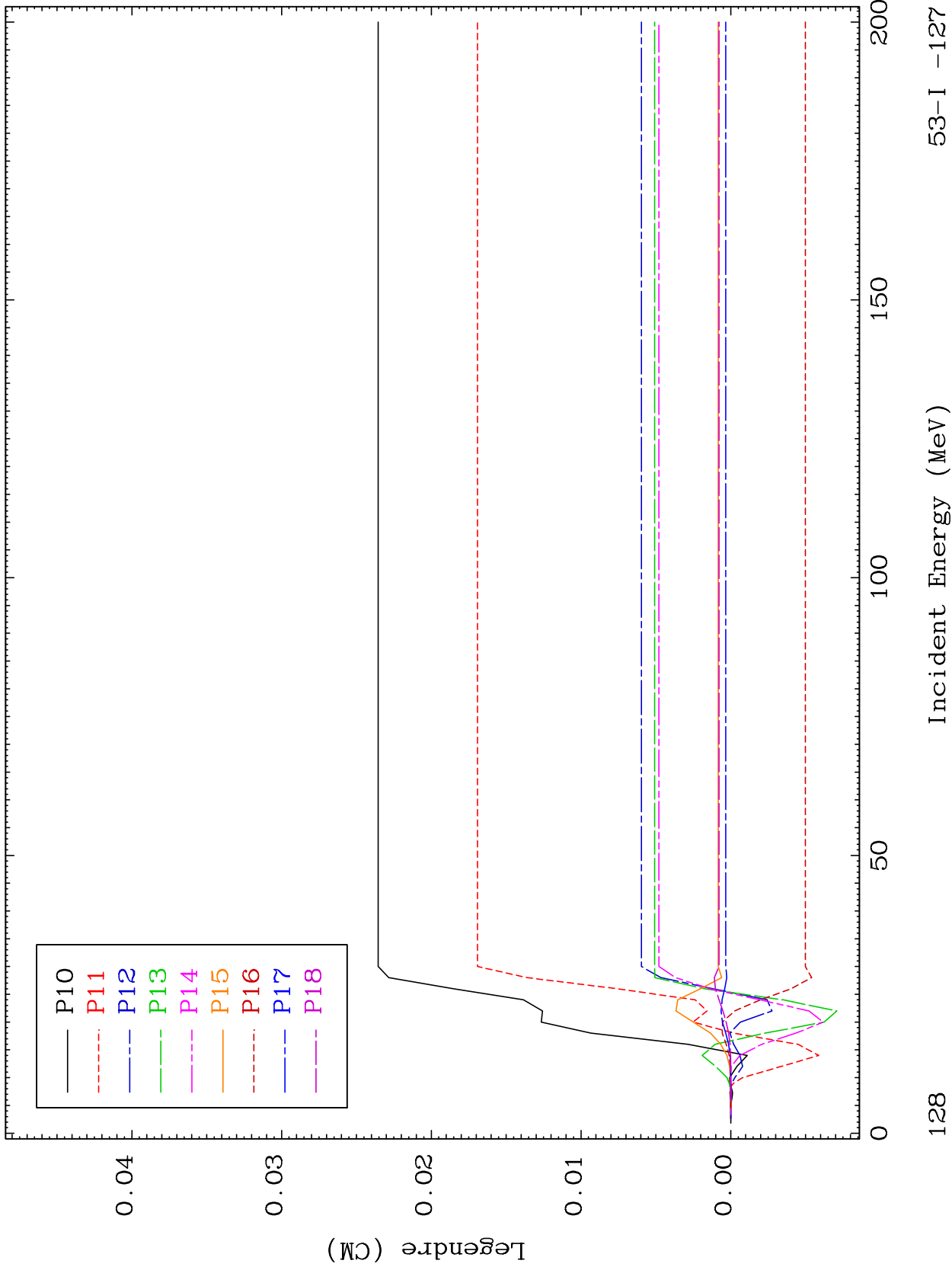
53-I -127

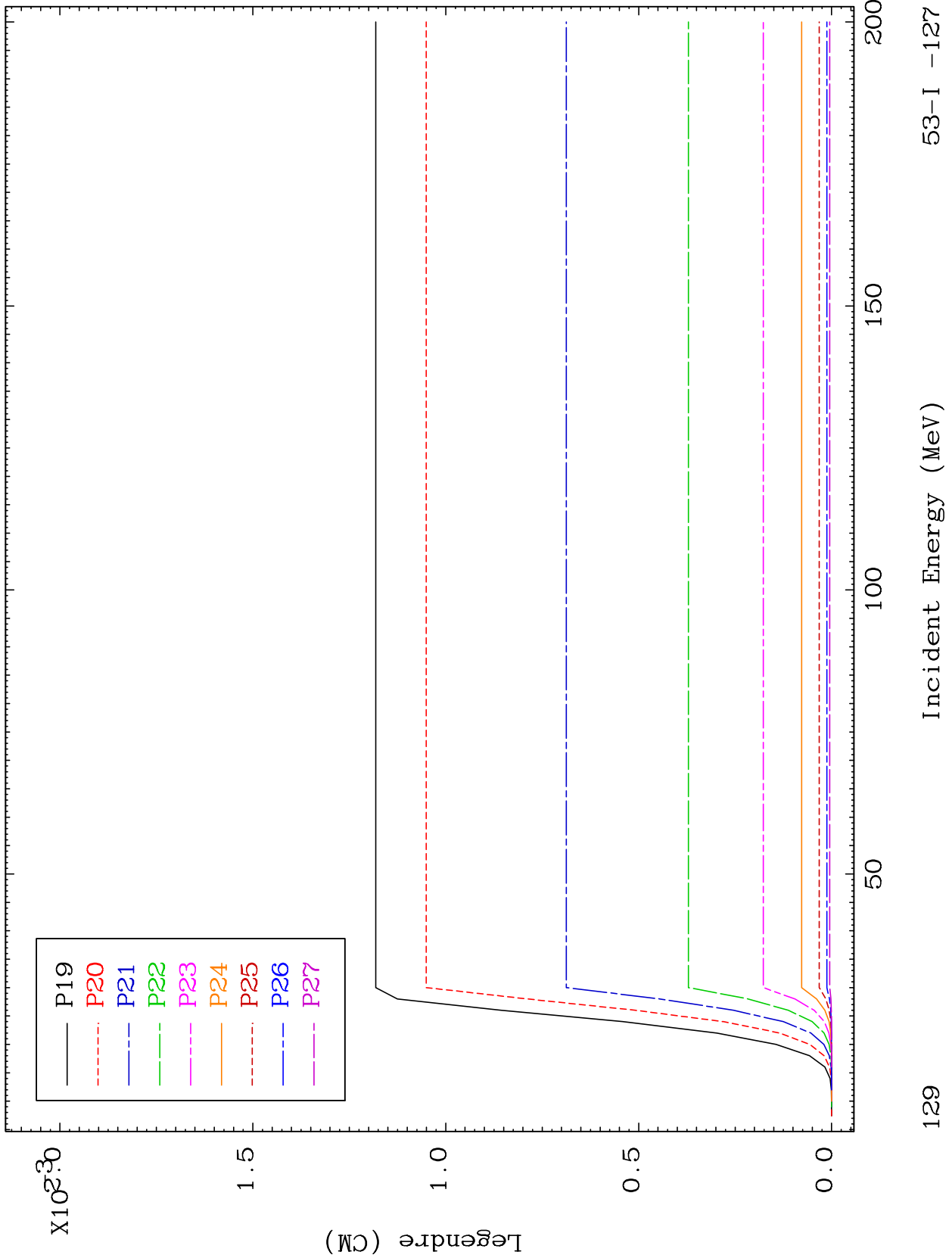


53-I -127

Incident Energy (MeV)

127

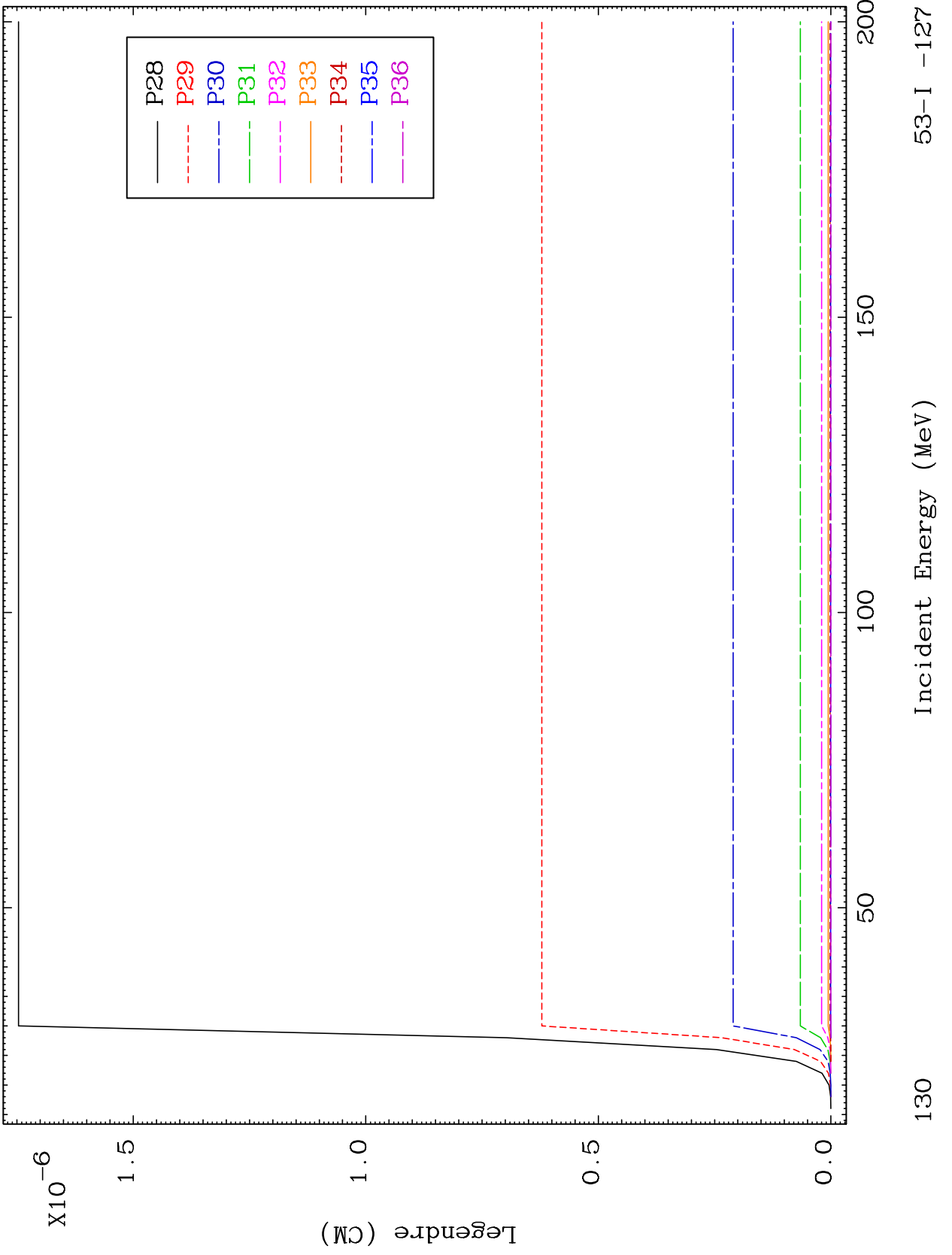




MAT 5325

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

53-I -127



130

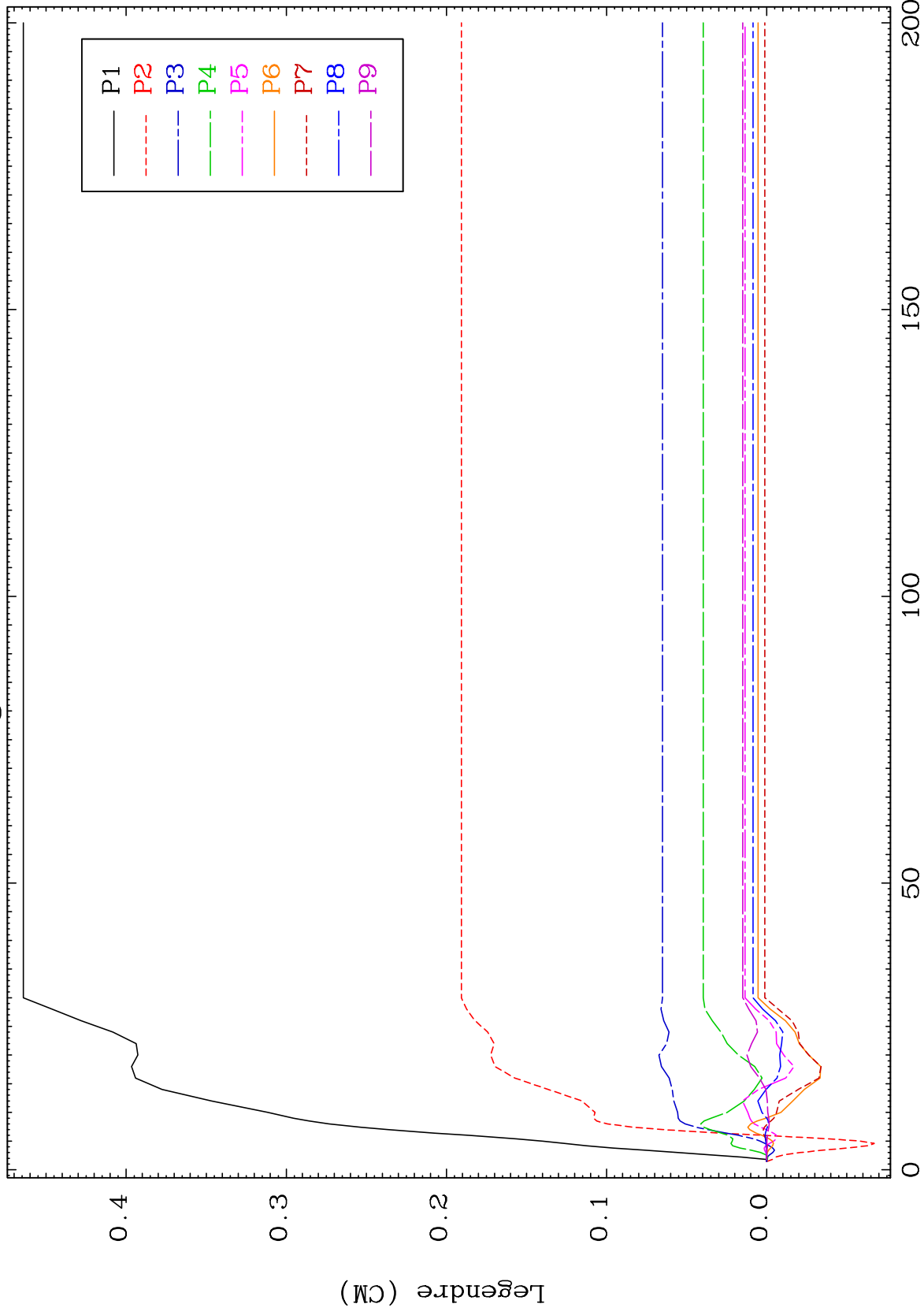
Incident Energy (MeV)

53-I -127

MAT 5325

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

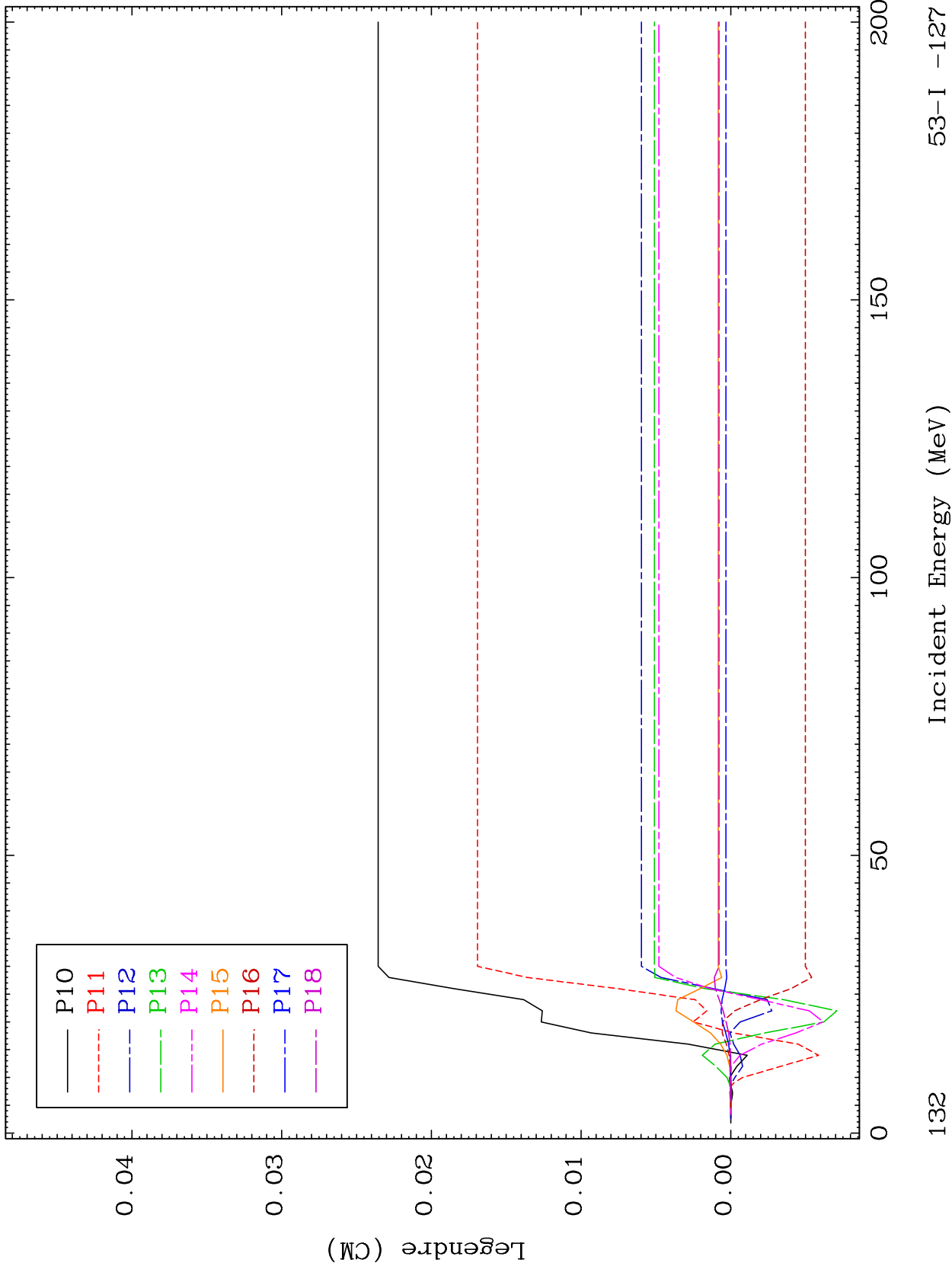
53-I -127

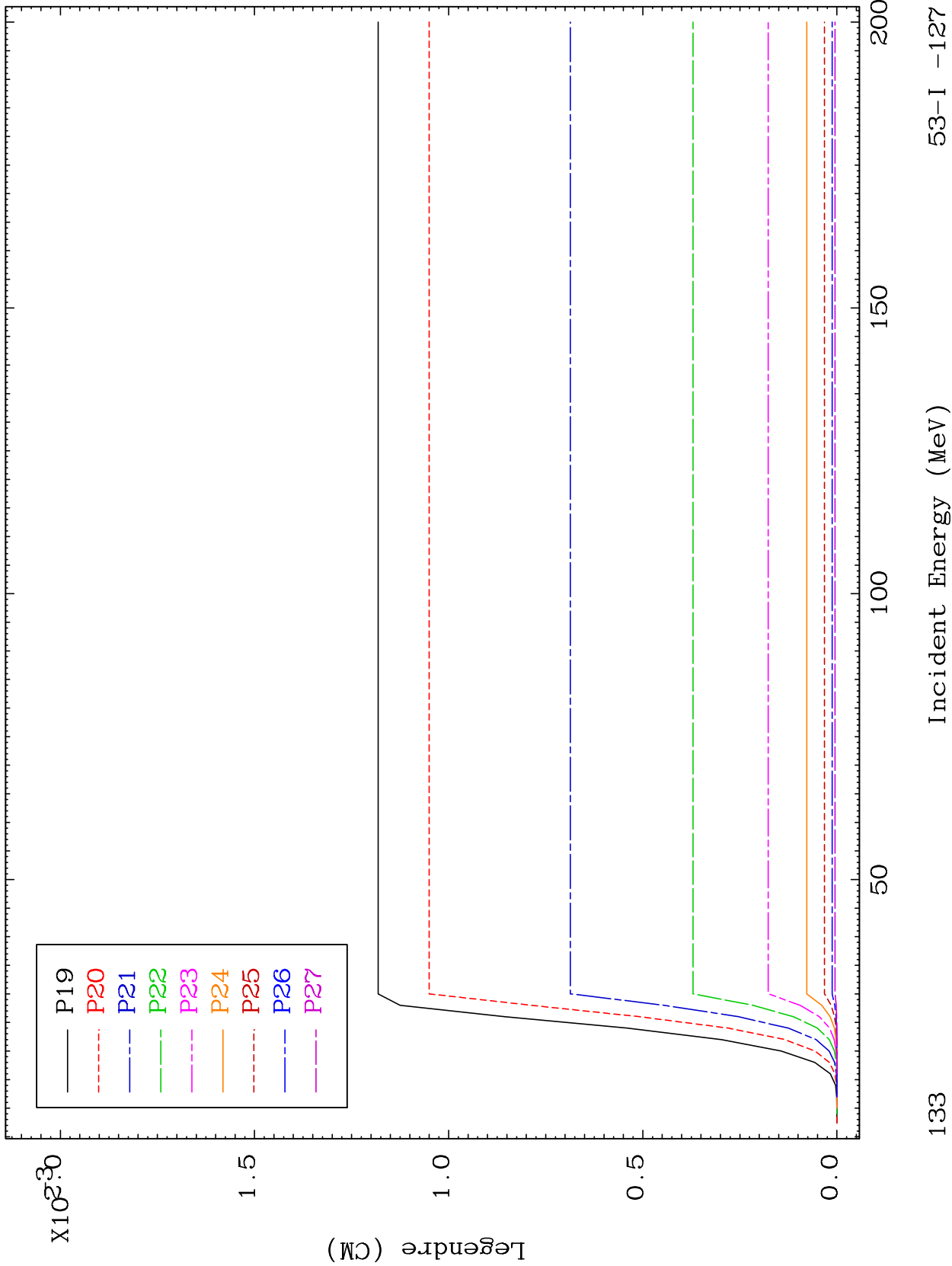


131

Incident Energy (MeV)

53-I -127

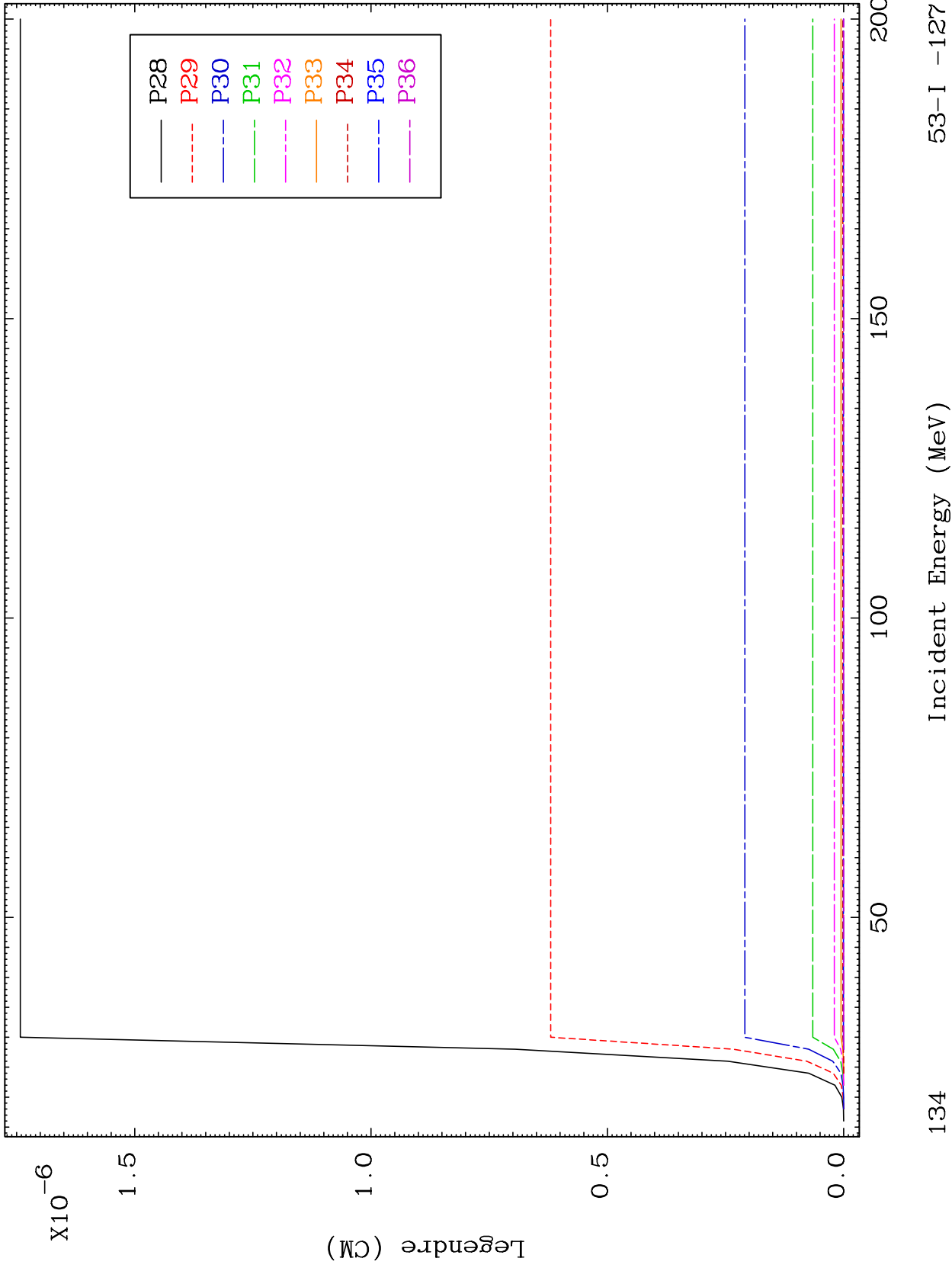




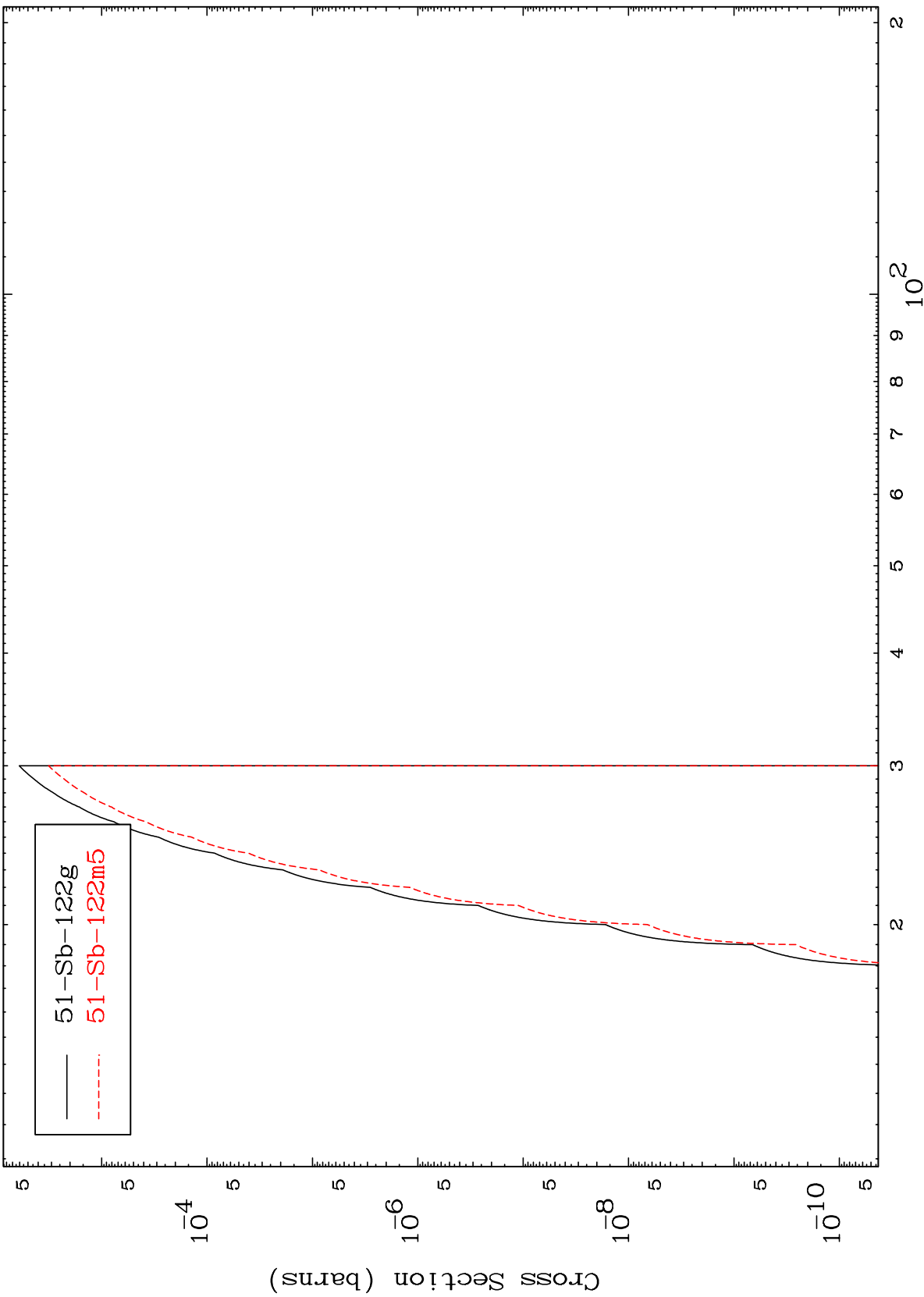
MAT 5325

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

53-I -127



Radionuclide Production Cross Section

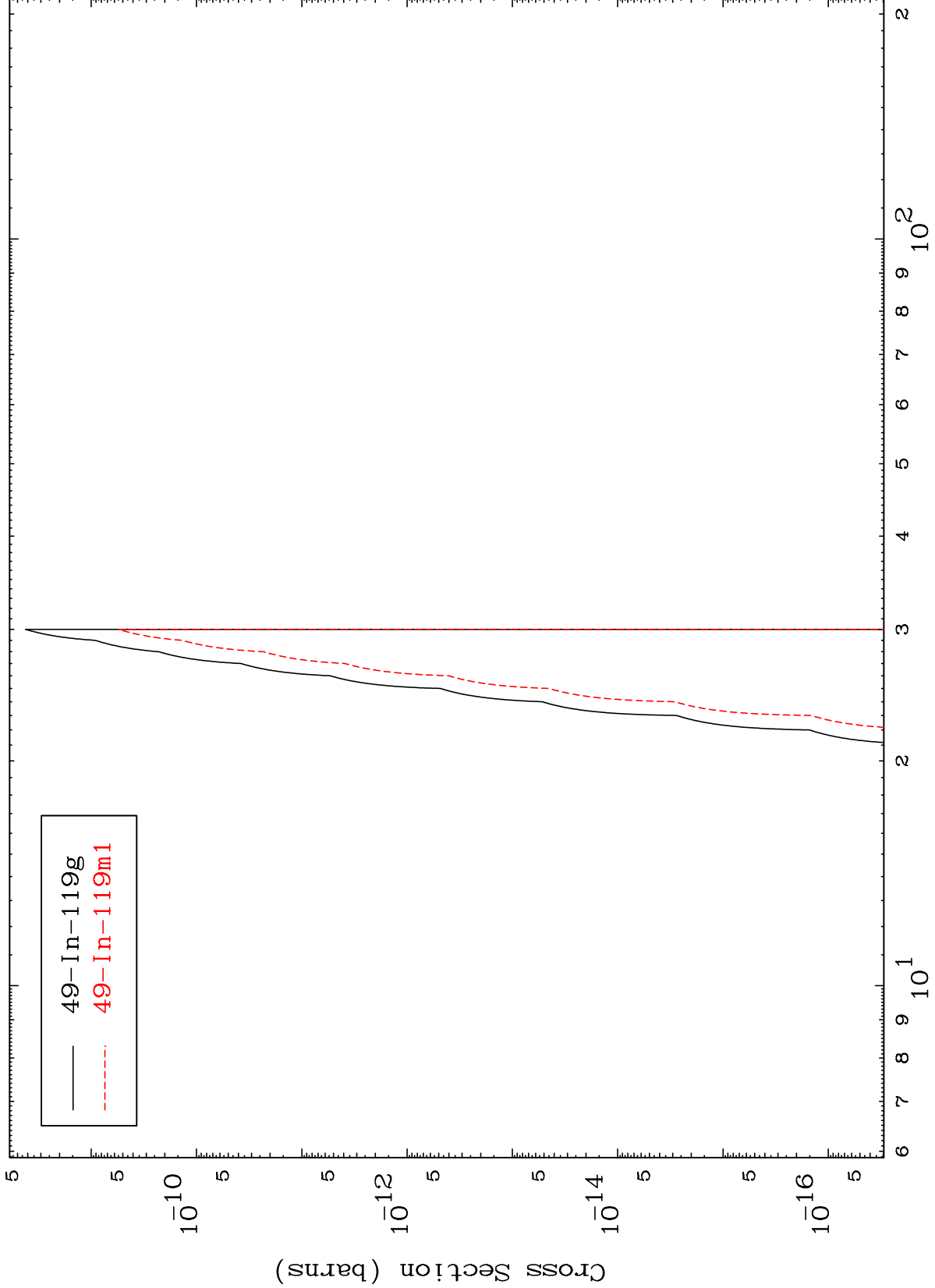


MAT 5325

(n,n') 2α

53-I -127

Radionuclide Production Cross Section

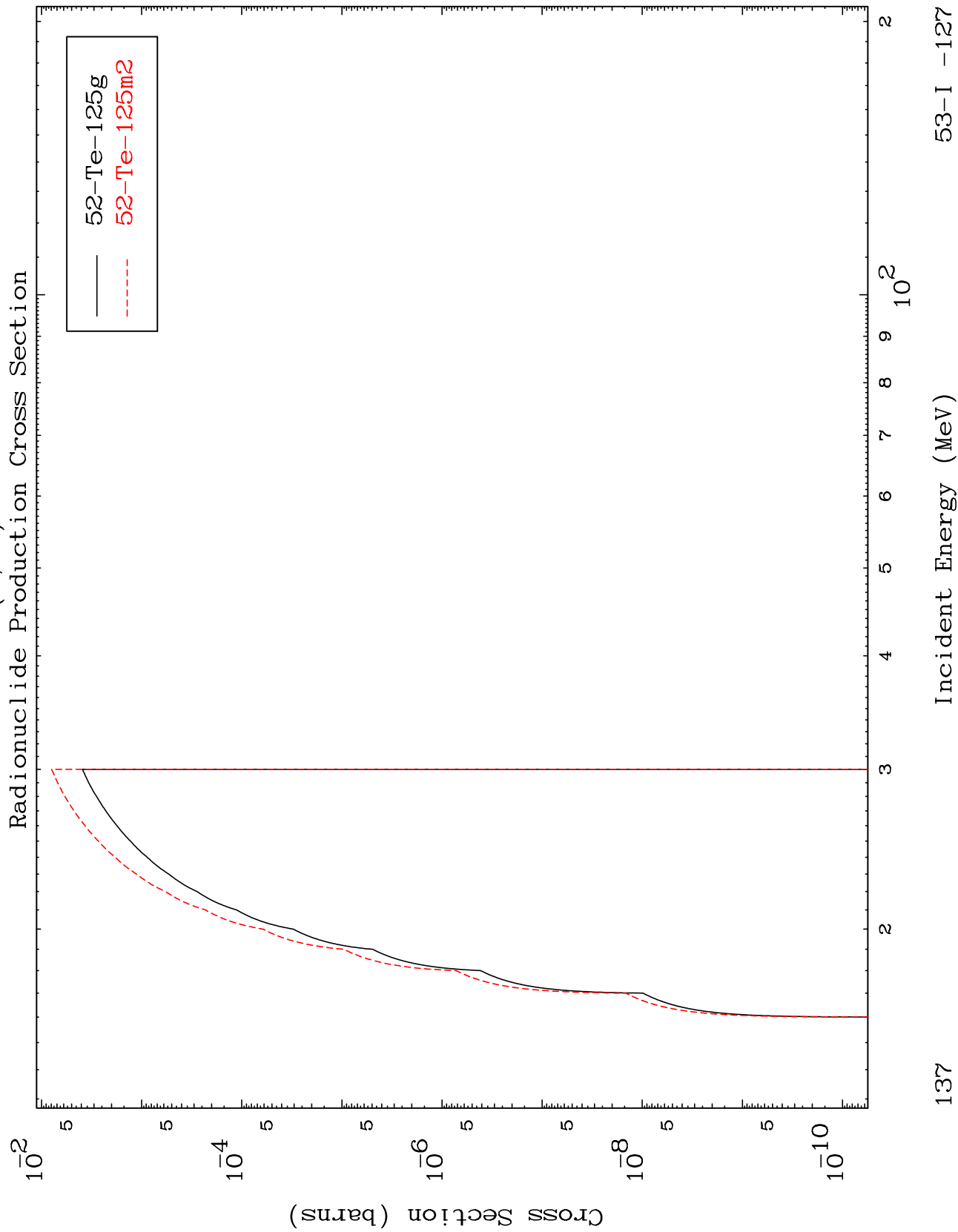


— 49-In-119g  
- - - 49-In-119m1

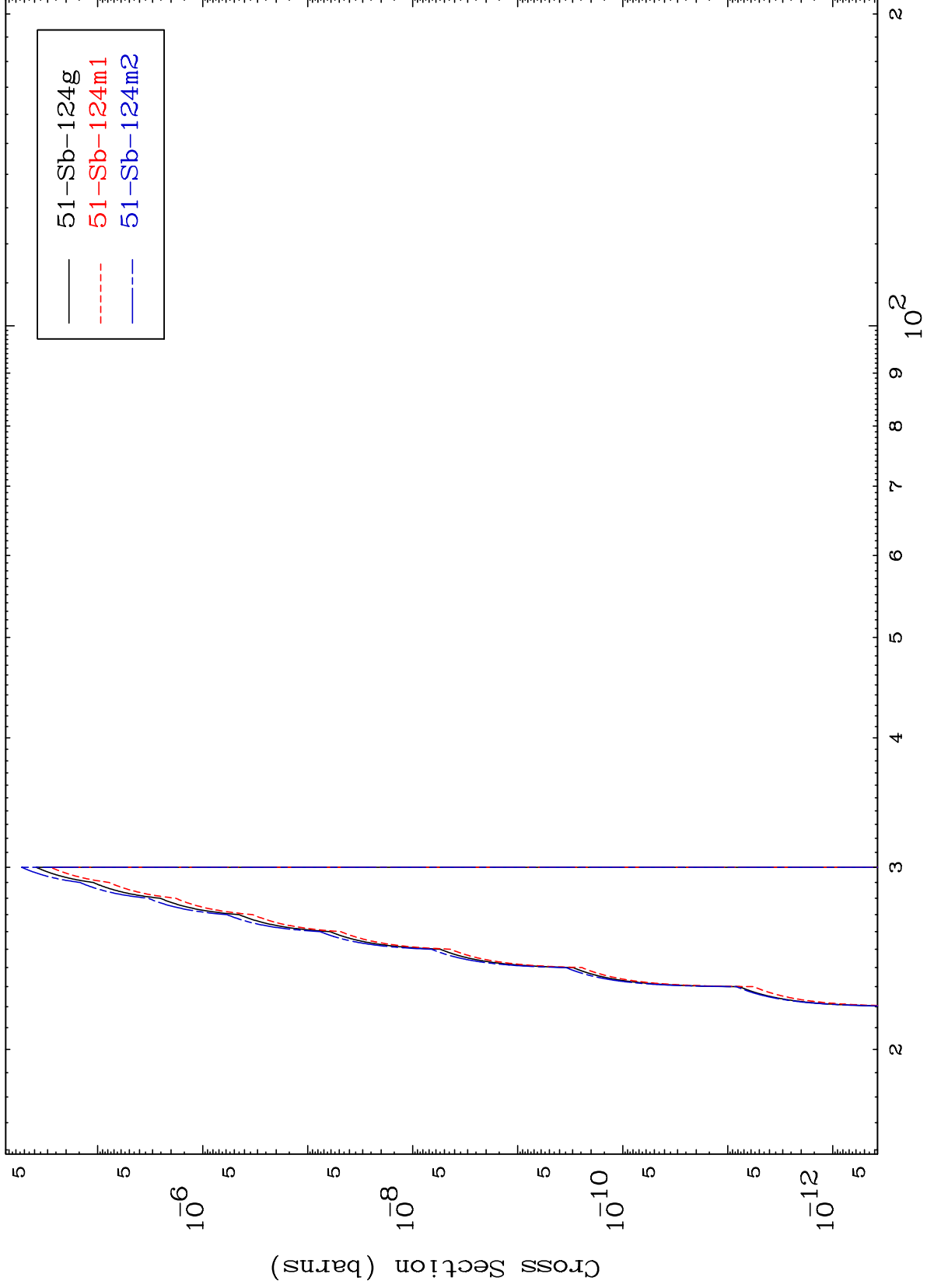
136

Incident Energy (MeV)

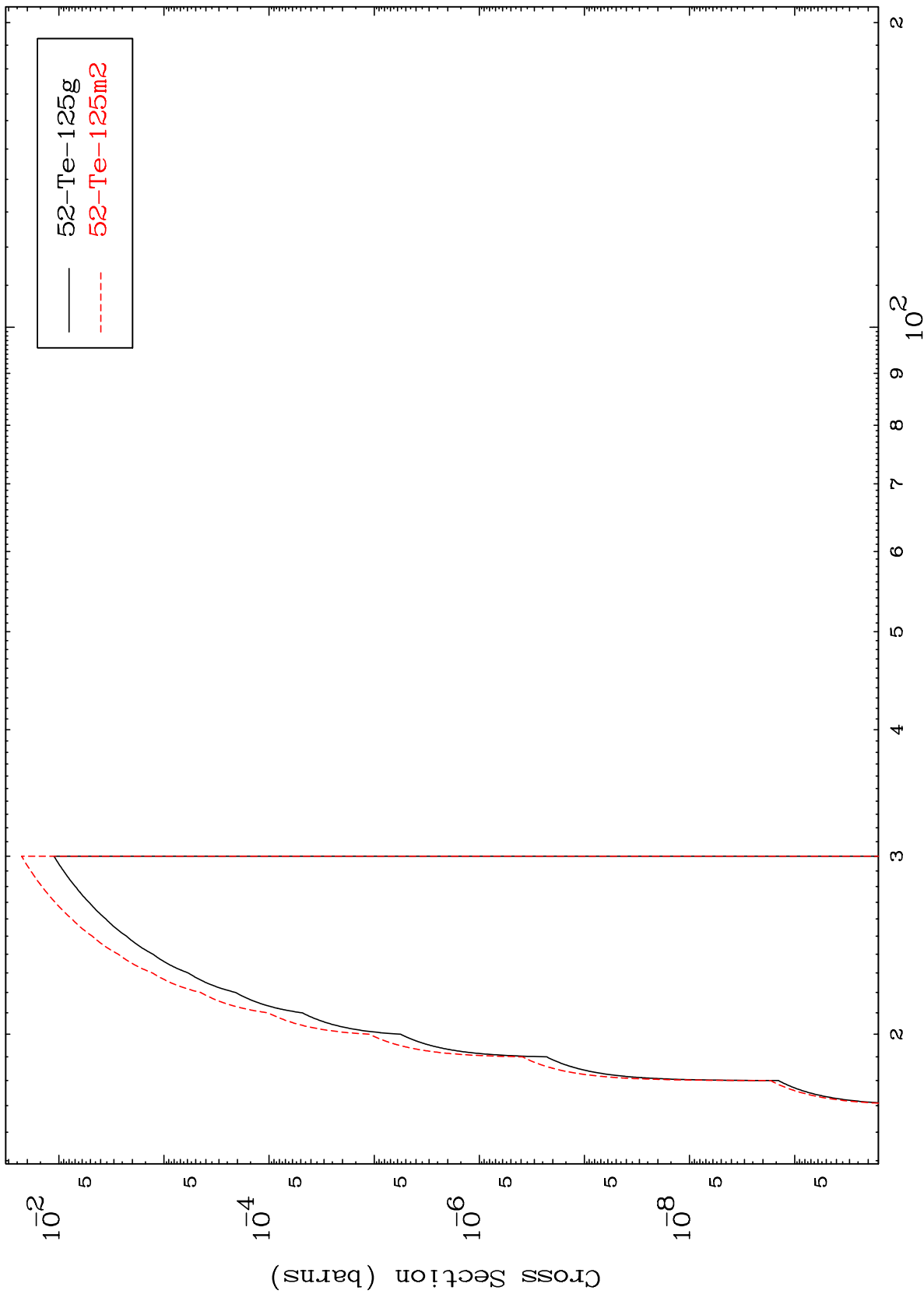
53-I -127



Radionuclide Production Cross Section



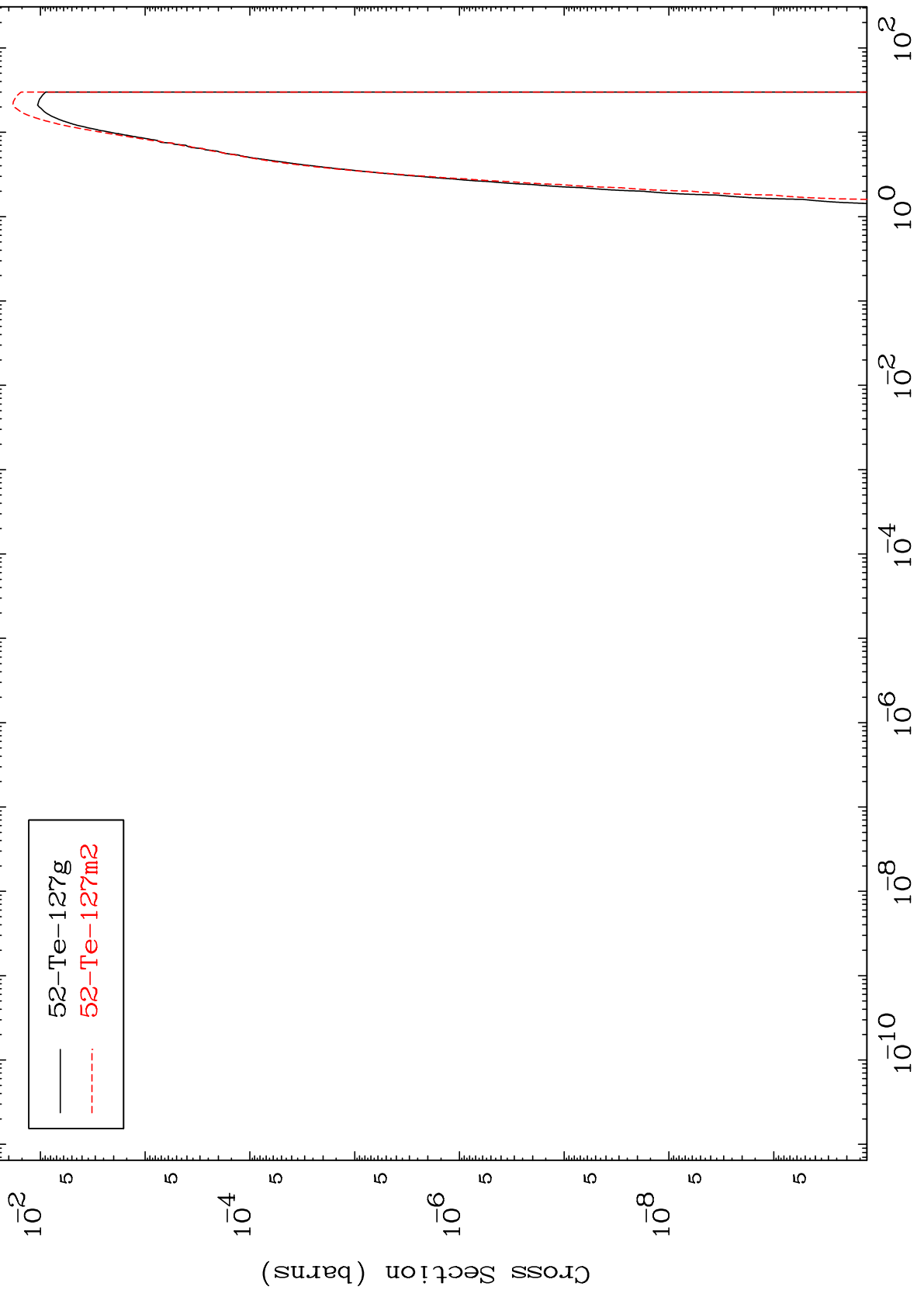
Radionuclide Production Cross Section



MAT 5325

53-I -127

(n,p)  
Radionuclide Production Cross Section



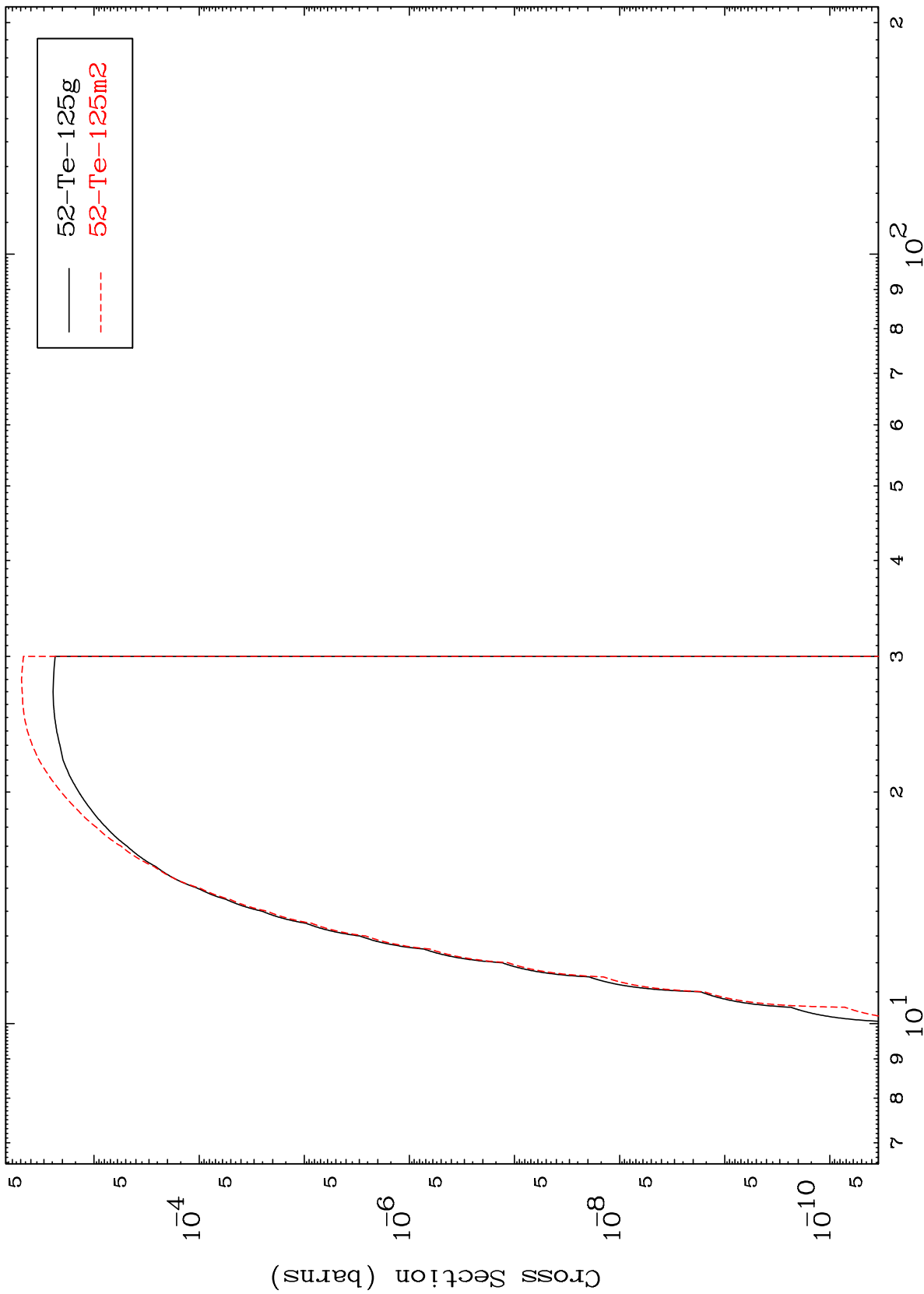
— 52-Te-127g  
- - - 52-Te-127m2

53-I -127

Incident Energy (MeV)

140

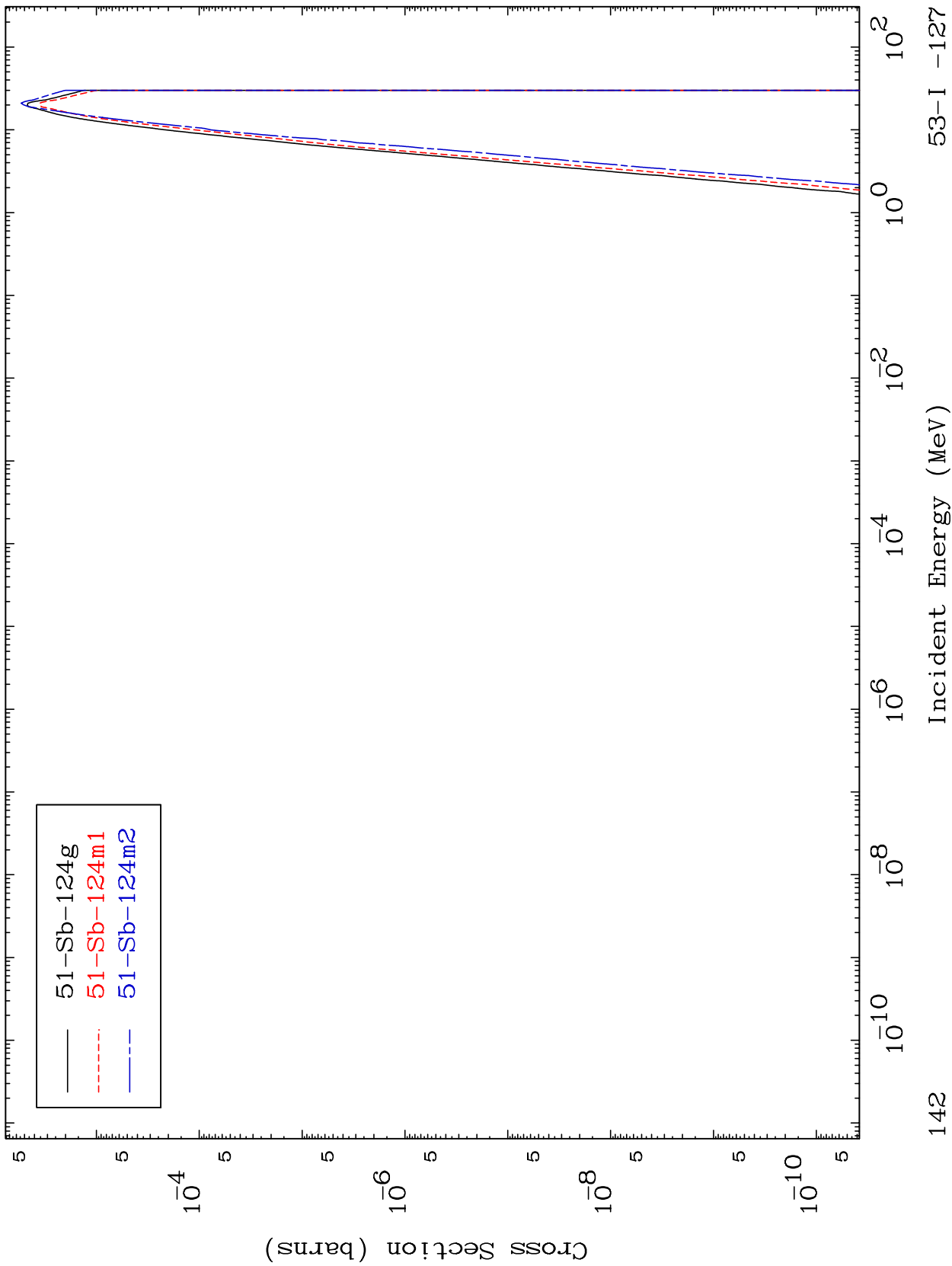
(n,t)  
Radionuclide Production Cross Section



MAT 5325

53-I -127

Radionuclide Production Cross Section



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

142

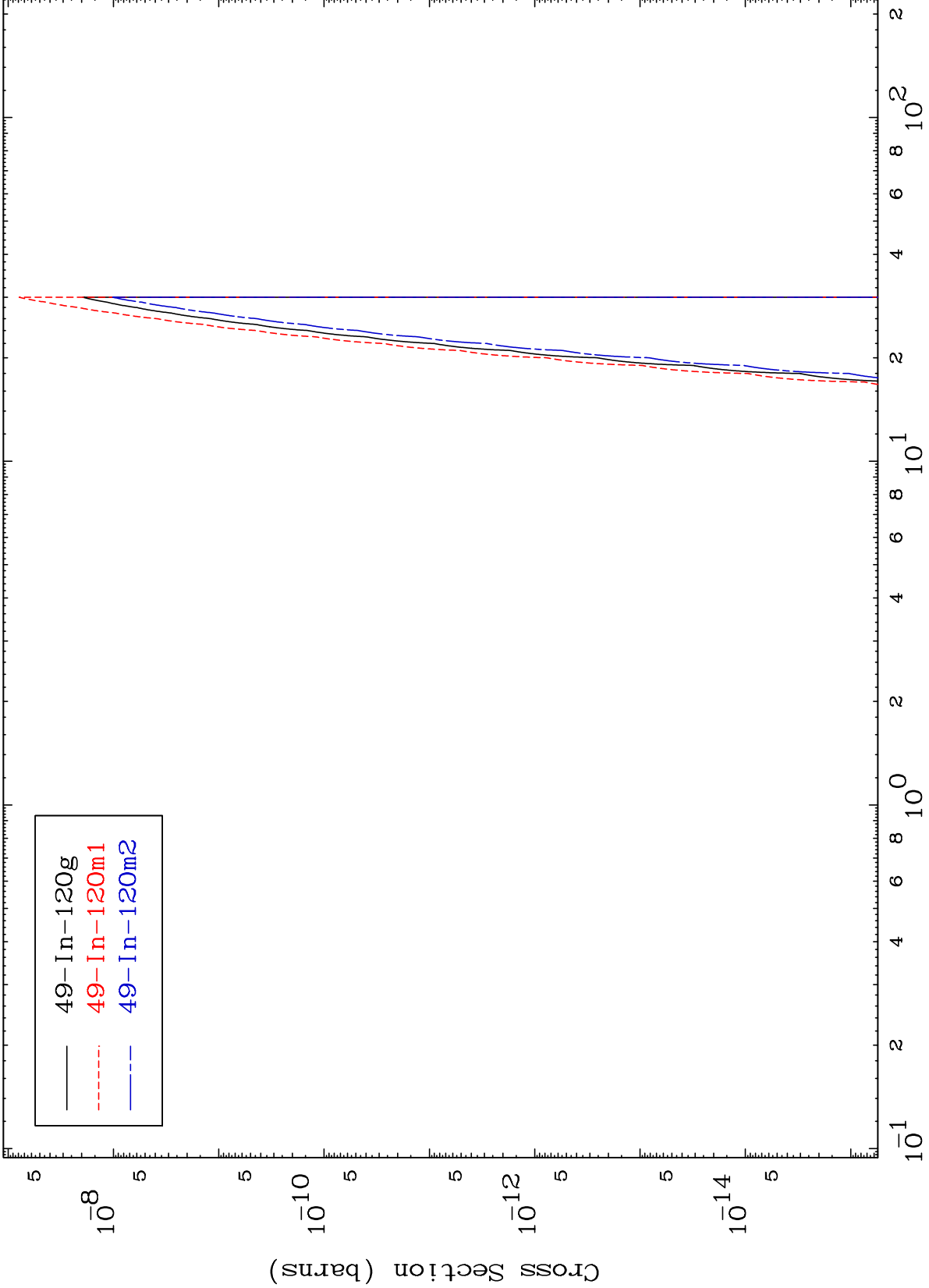
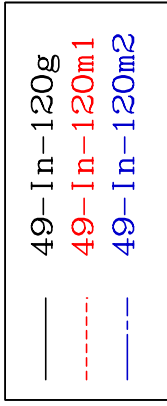
53-I -127

MAT 5325

(n,2α)

53-I -127

Radionuclide Production Cross Section



143

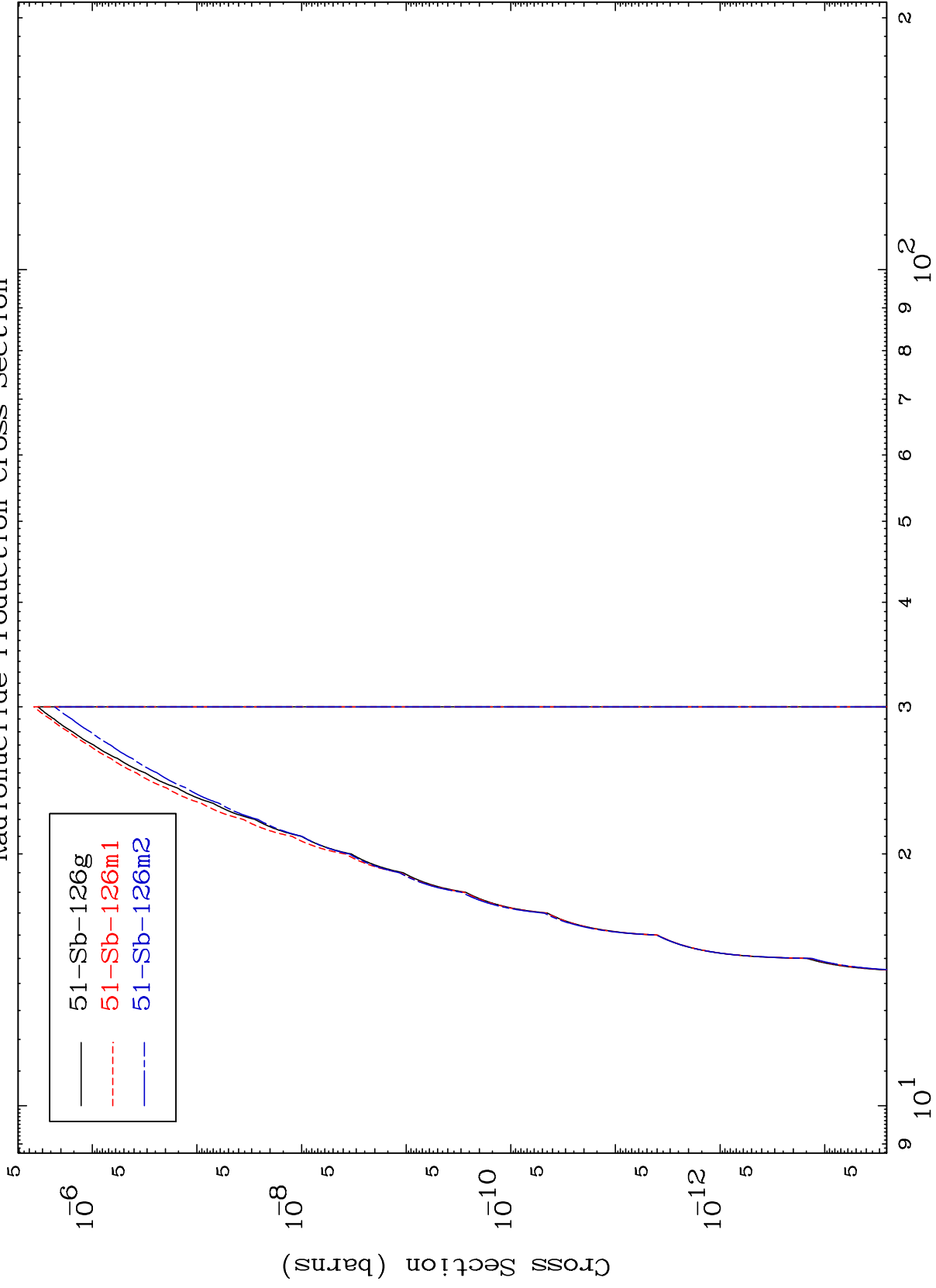
Incident Energy (MeV)

53-I -127

MAT 5325

53-I -127

(n,2p)  
Radionuclide Production Cross Section



53-I -127

Incident Energy (MeV)

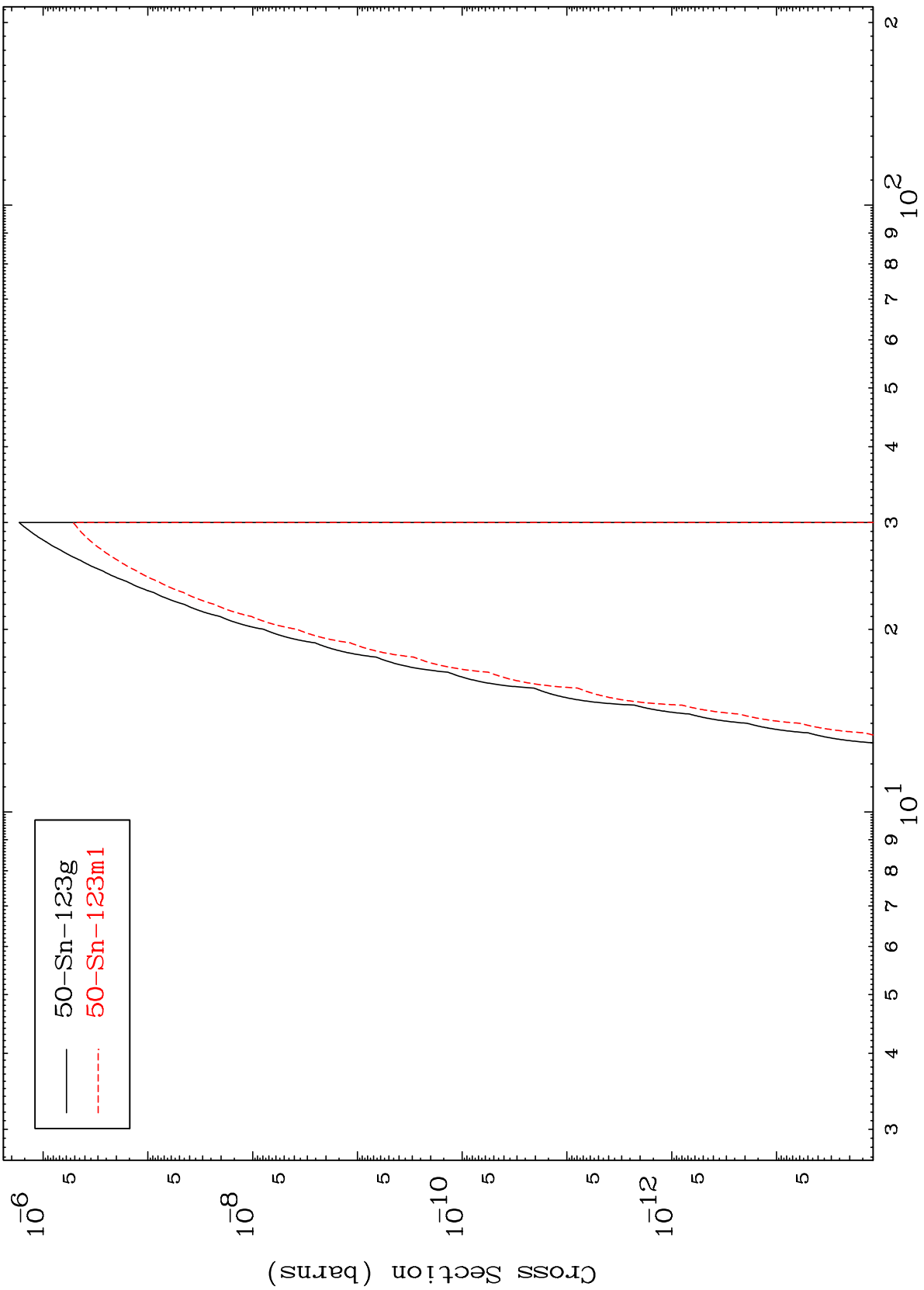
144

MAT 5325

(n,p)  $\alpha$

53-I -127

Radionuclide Production Cross Section



— 50-Sn-123g  
- - - 50-Sn-123m1

145

Incident Energy (MeV)

53-I -127

Radionuclide Production Cross Section

