

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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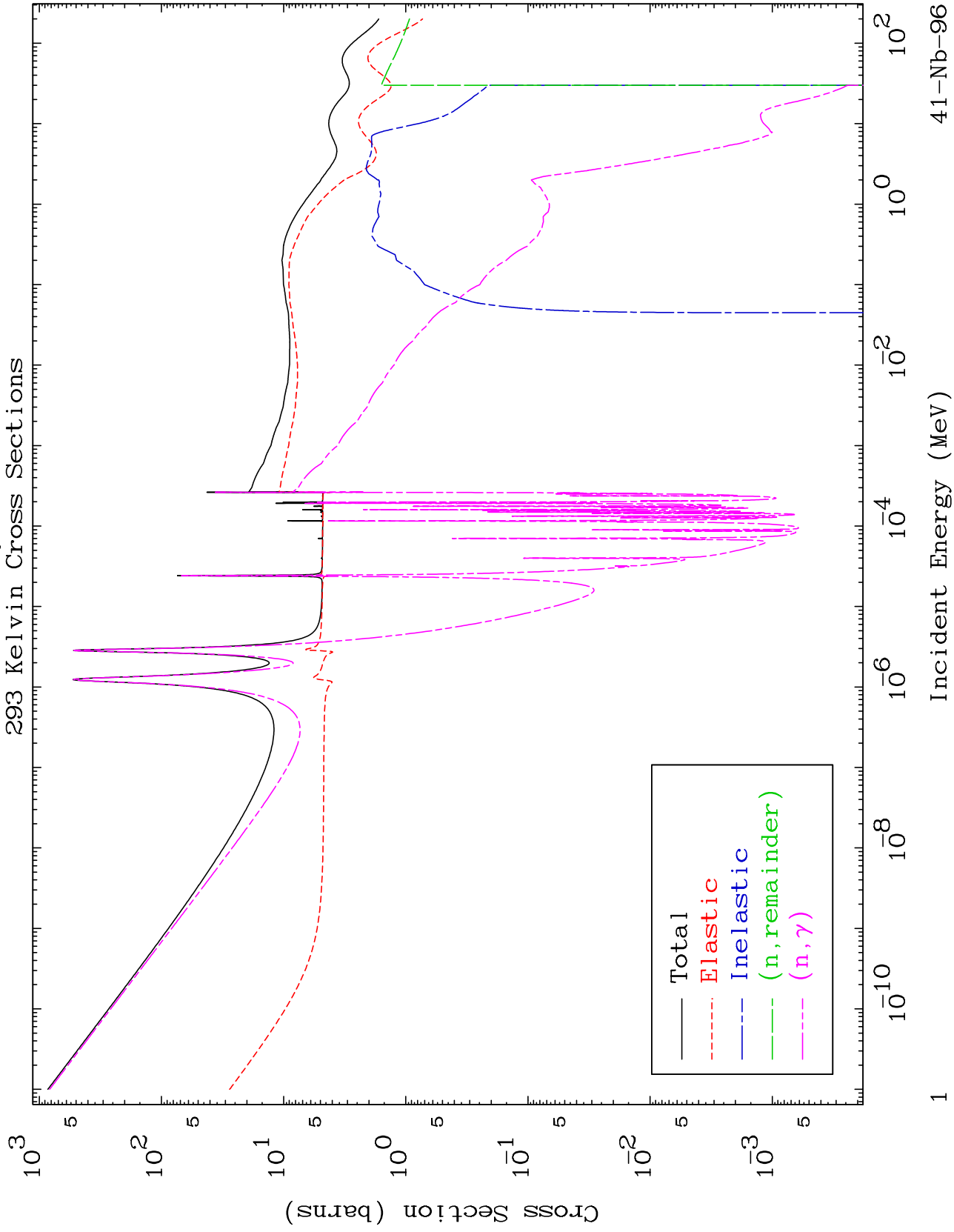
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Web:redcullen1.net/HOMEPAGE.NEW

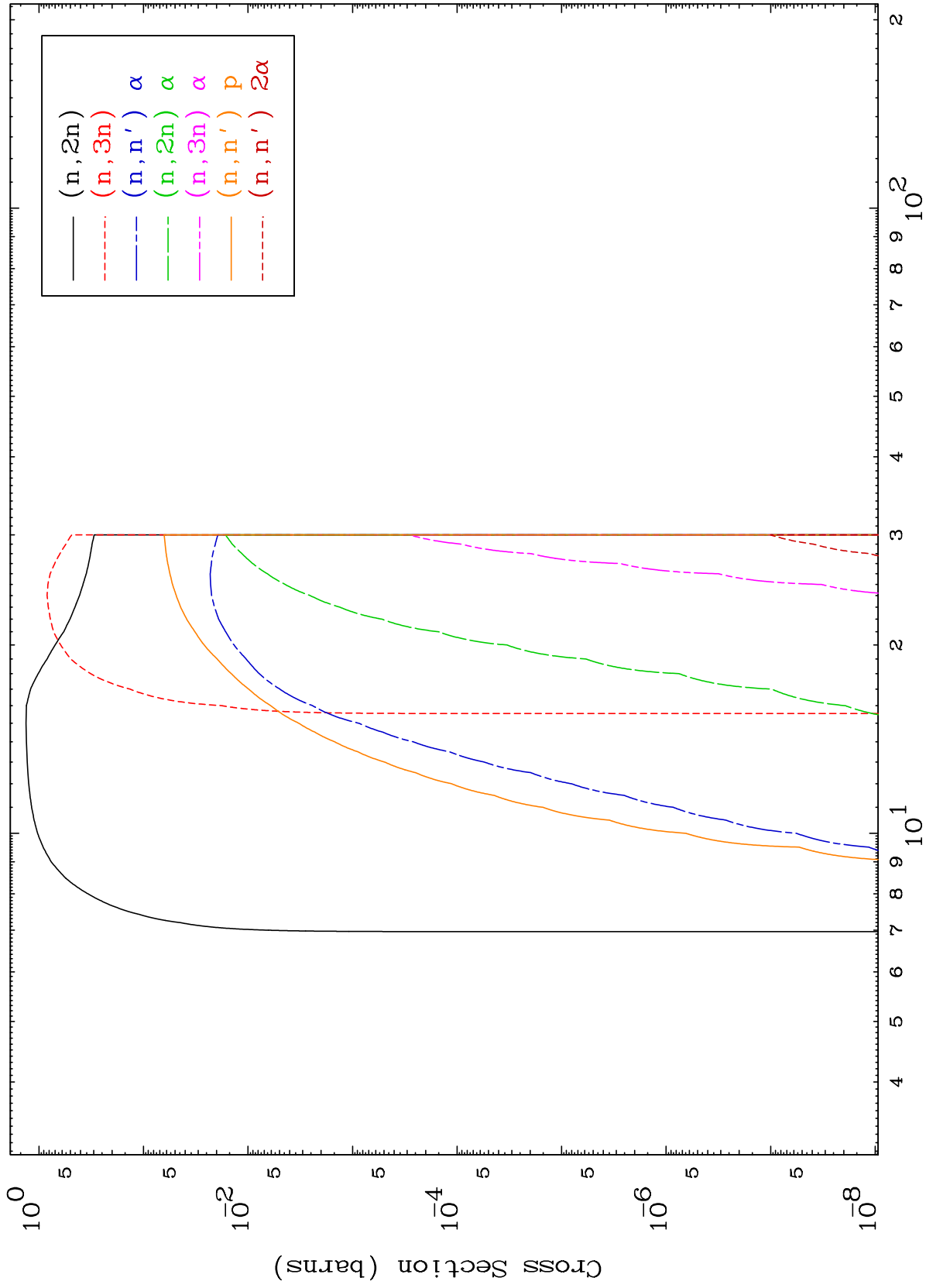
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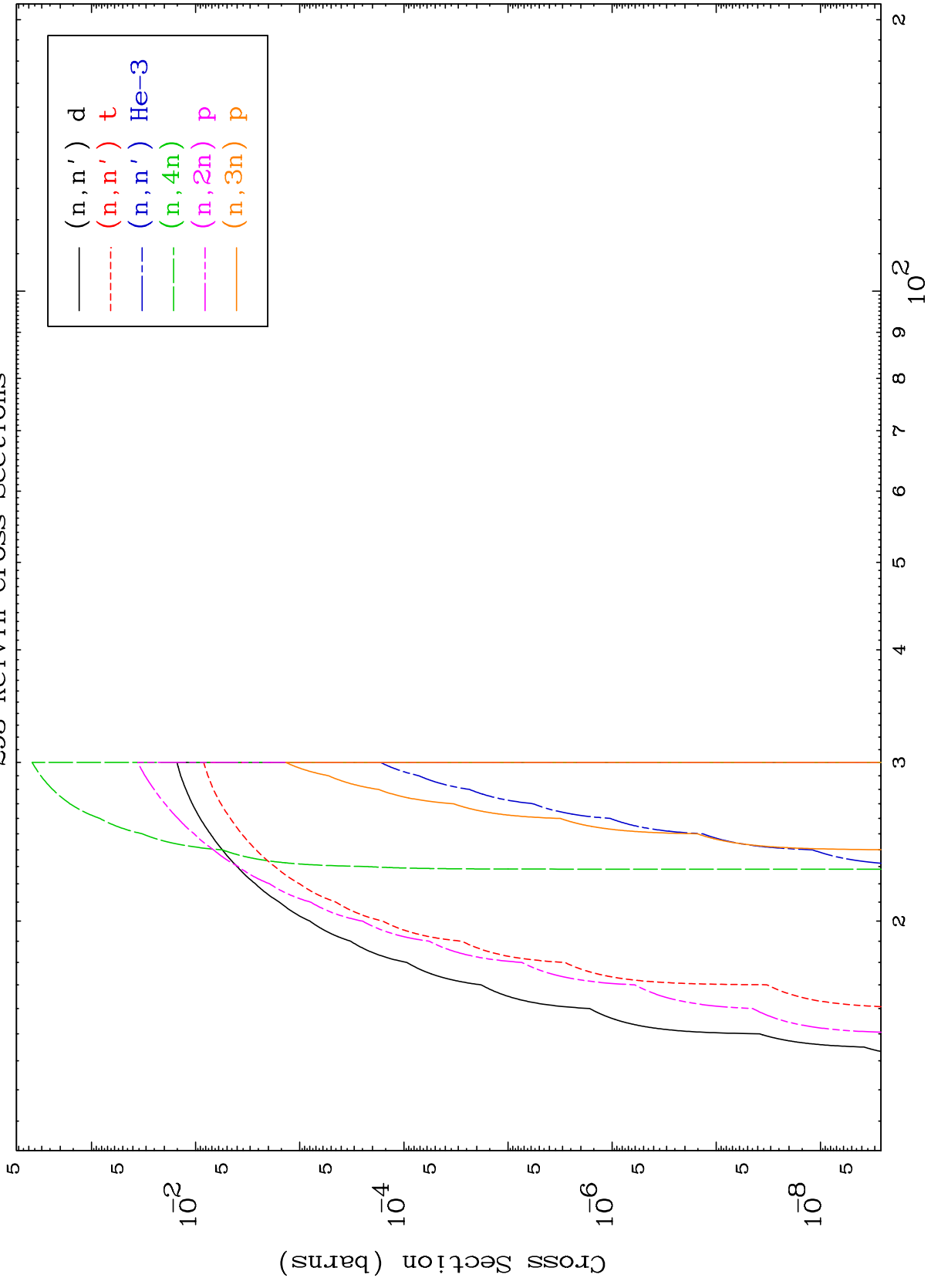
MAT 4134

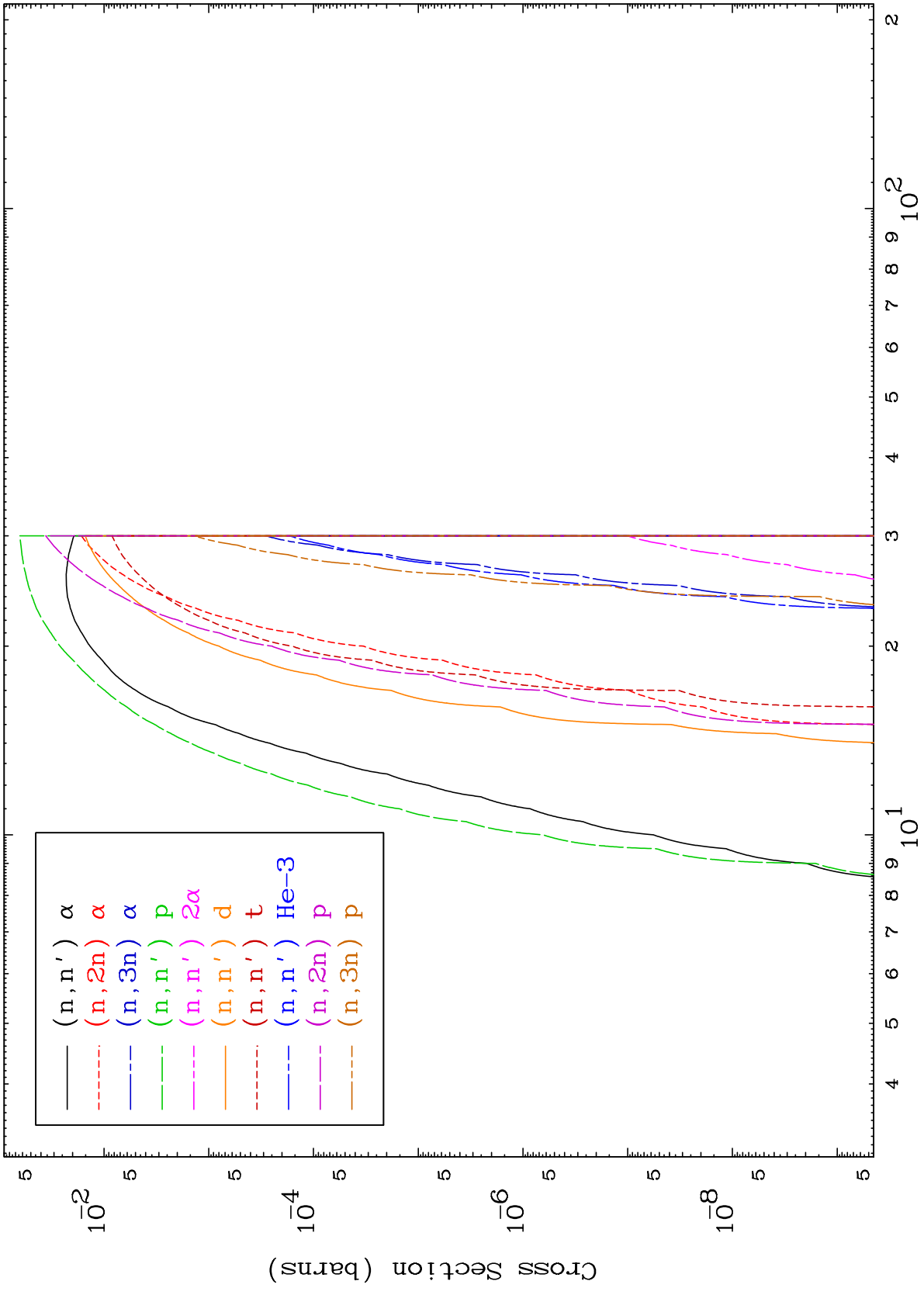
Major  
293 Kelvin Cross Sections

41-Nb-96





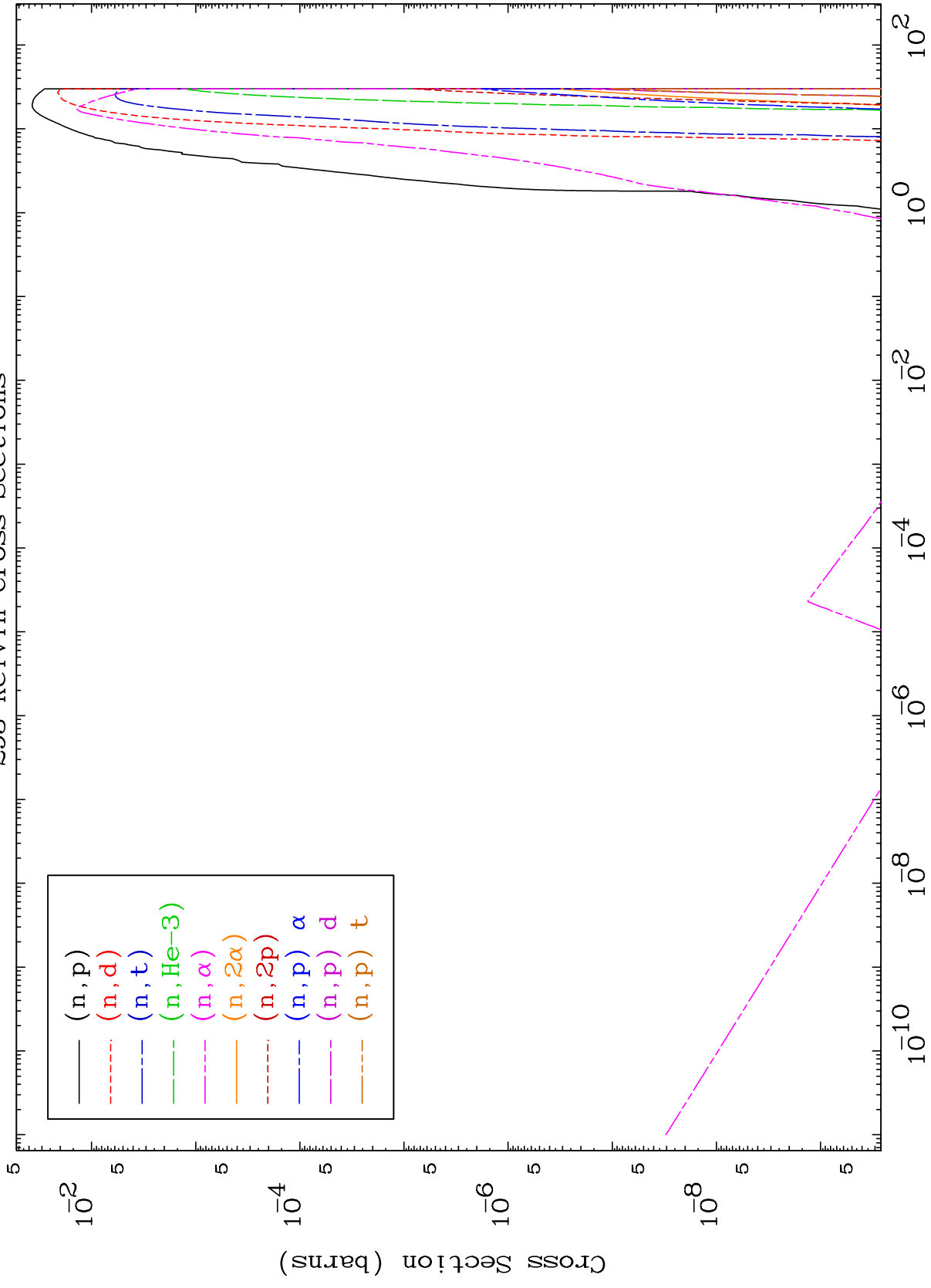




MAT 4134

Charged Particle  
293 Kelvin Cross Sections

41-Nb-96

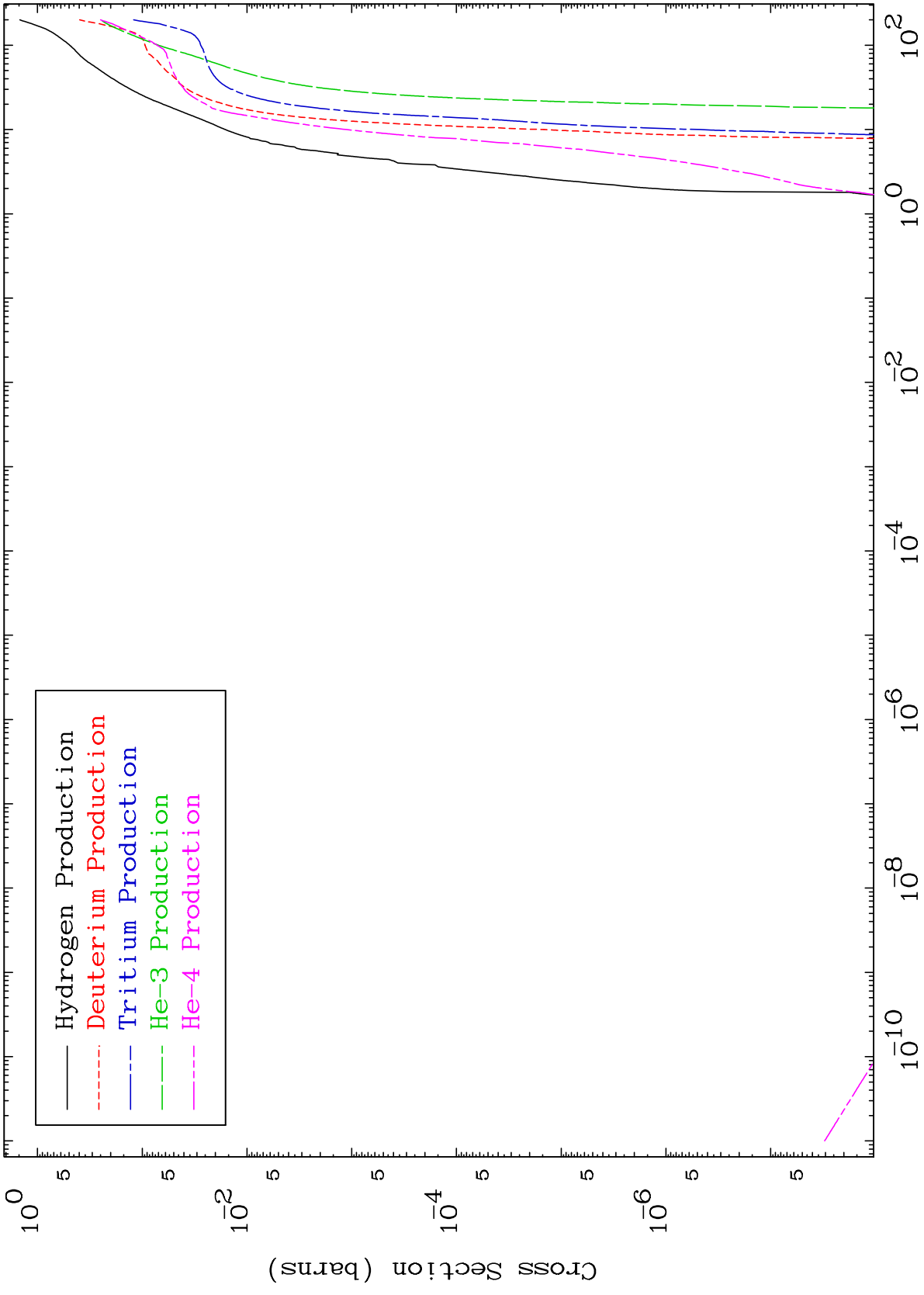


5

MAT 4134

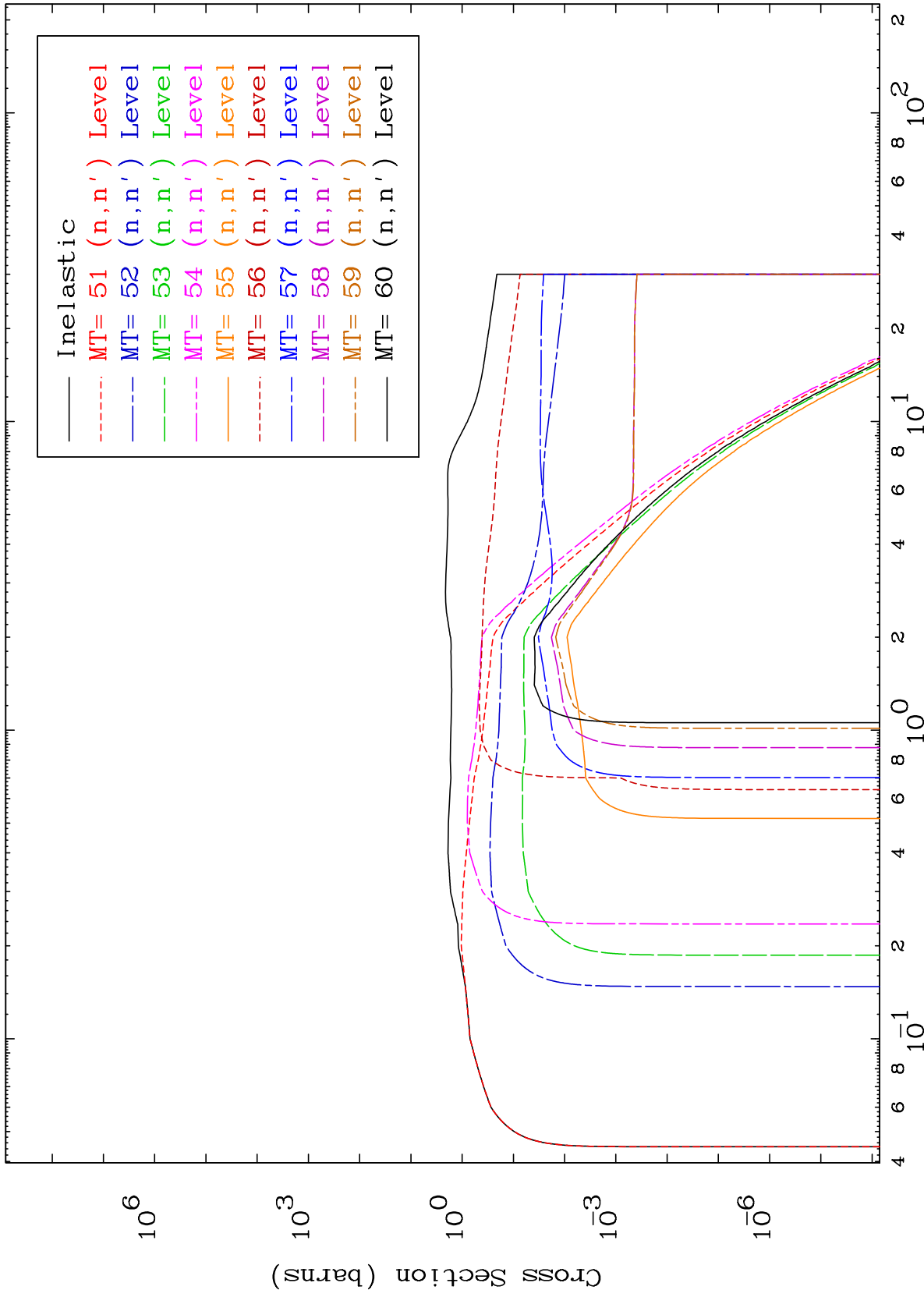
Particle Production  
293 Kelvin Cross Sections

41-Nb-96



6

41-Nb-96



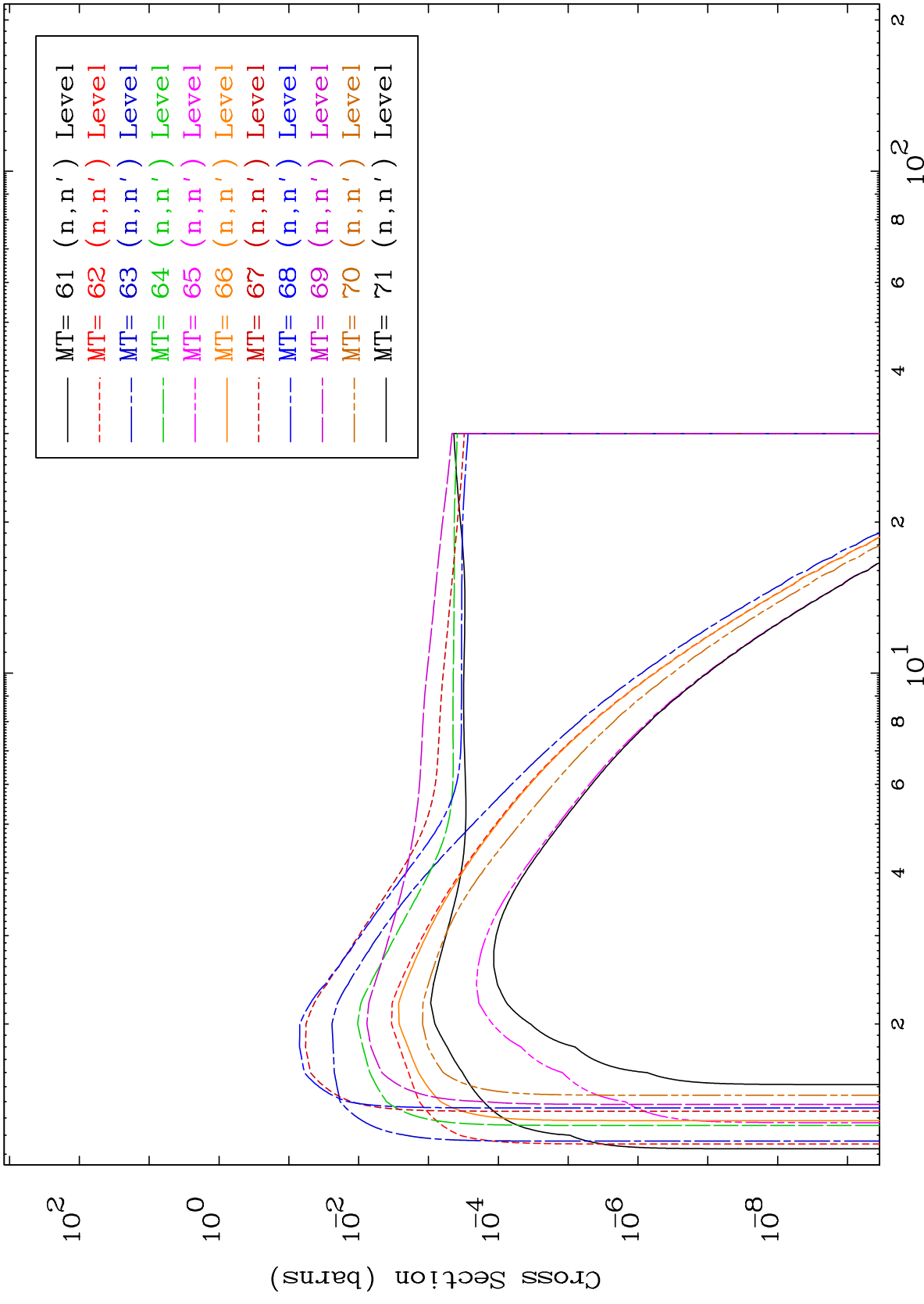


MAT 4134

(n,n') Level

41-Nb-96

293 Kelvin Cross Sections



8

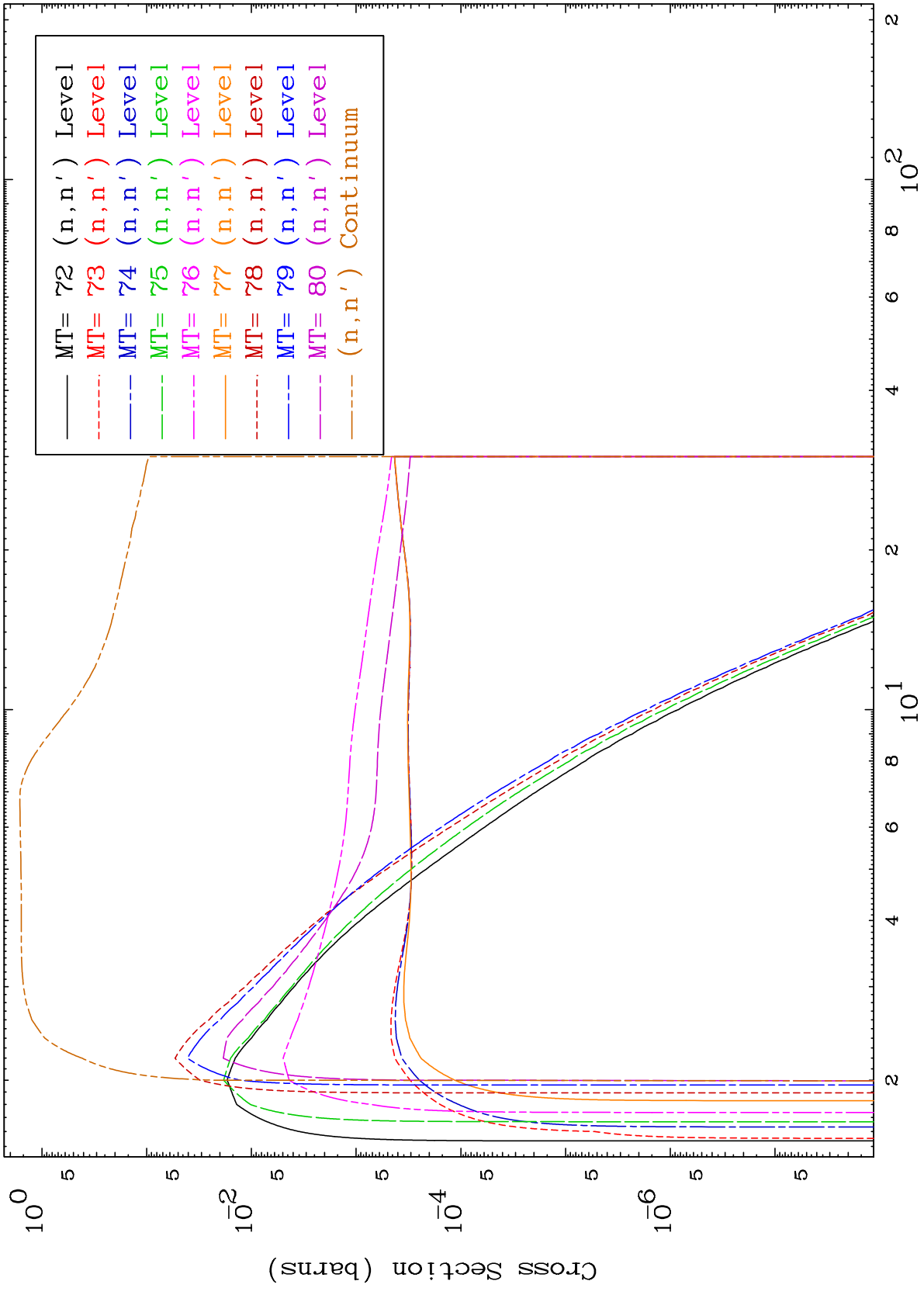
Incident Energy (MeV)

41-Nb-96

MAT 4134

(n,n') Level  
293 Kelvin Cross Sections

41-Nb-96



9

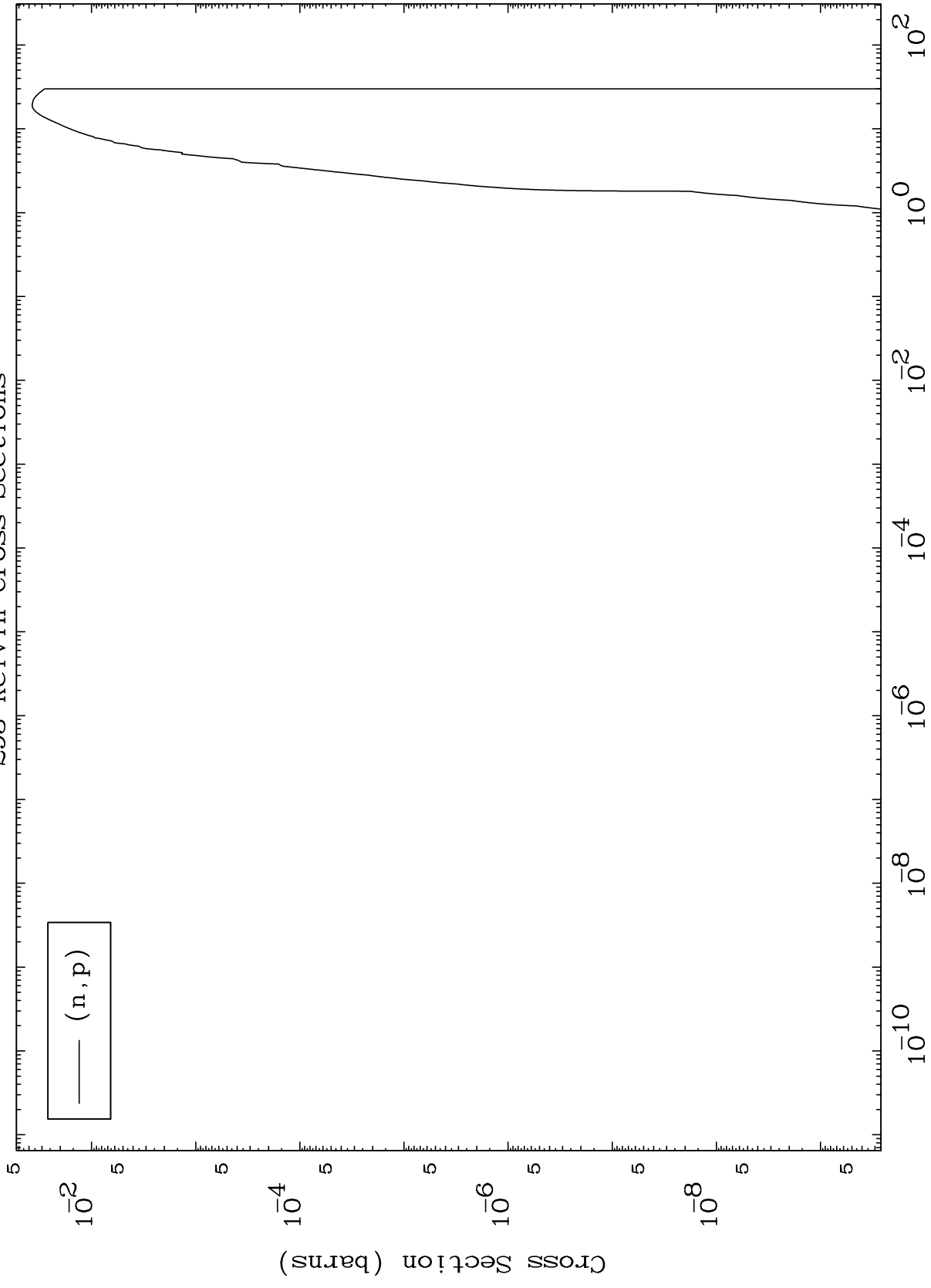
Incident Energy (MeV)

41-Nb-96

MAT 4134

(n,p) Levels  
293 Kelvin Cross Sections

41-Nb-96



10

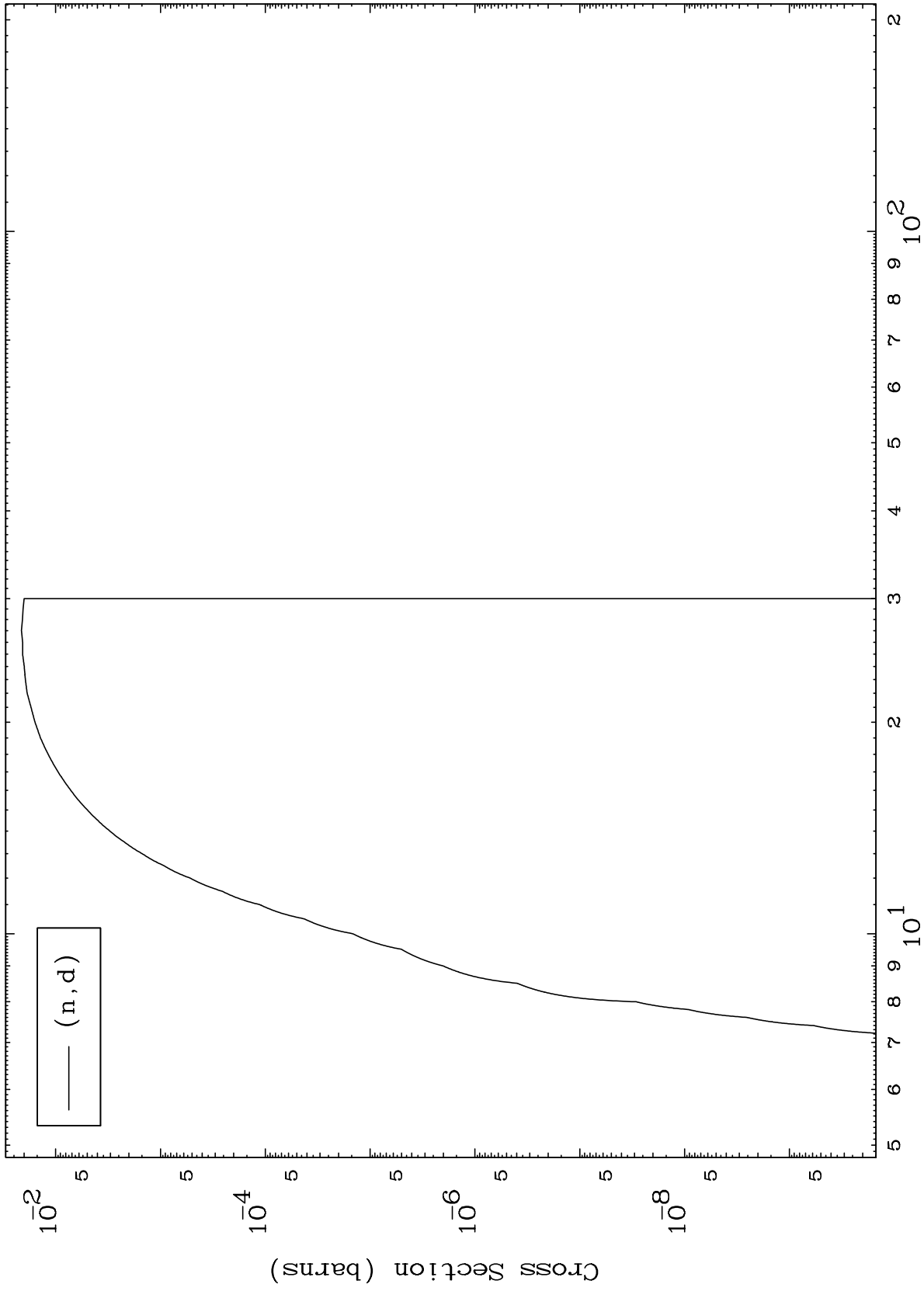
Incident Energy (MeV)

41-Nb-96

MAT 4134

(n,d) Levels  
293 Kelvin Cross Sections

41-Nb-96



11

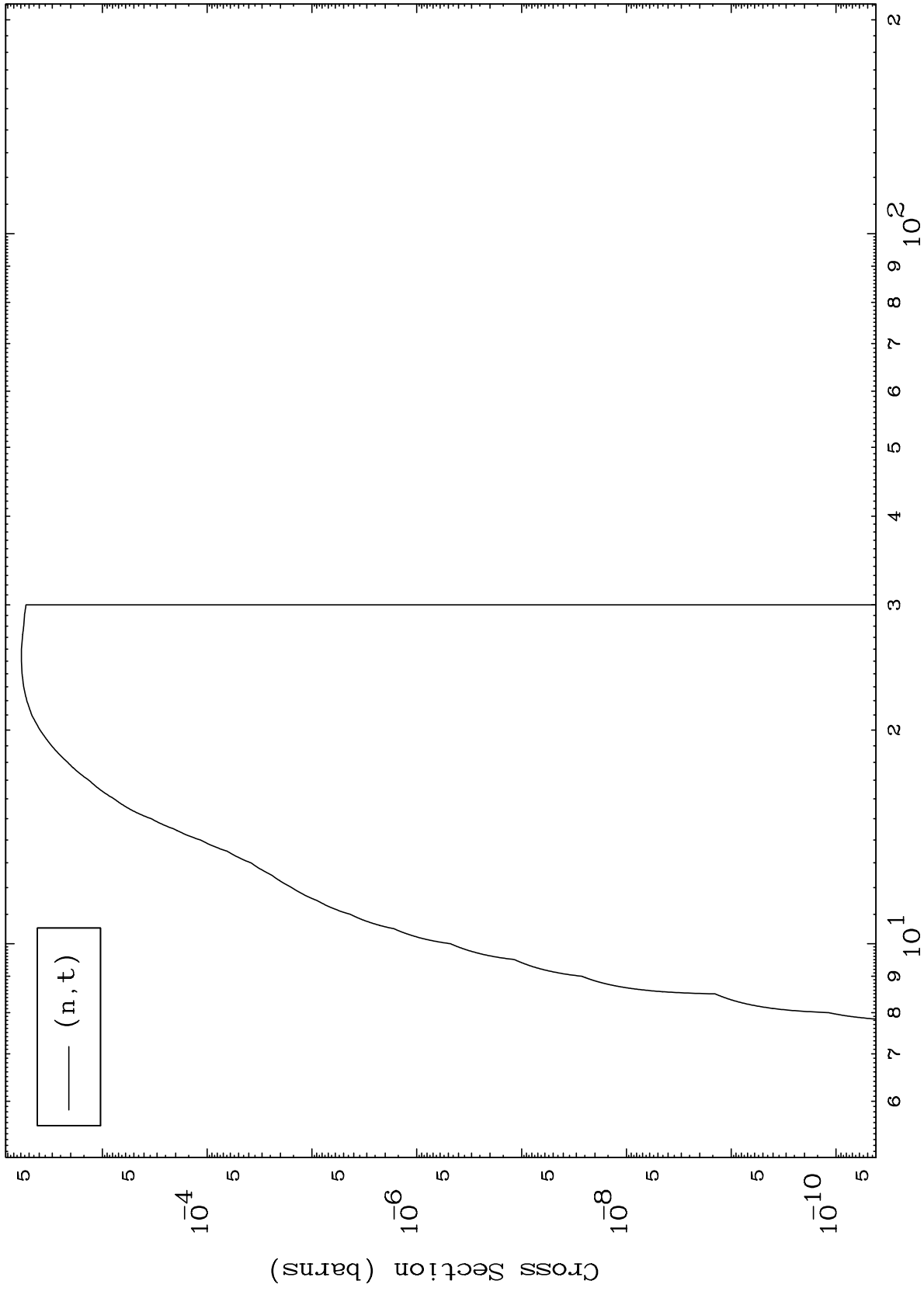
Incident Energy (MeV)

41-Nb-96

MAT 4134

(n,t) Levels  
293 Kelvin Cross Sections

41-Nb-96



12

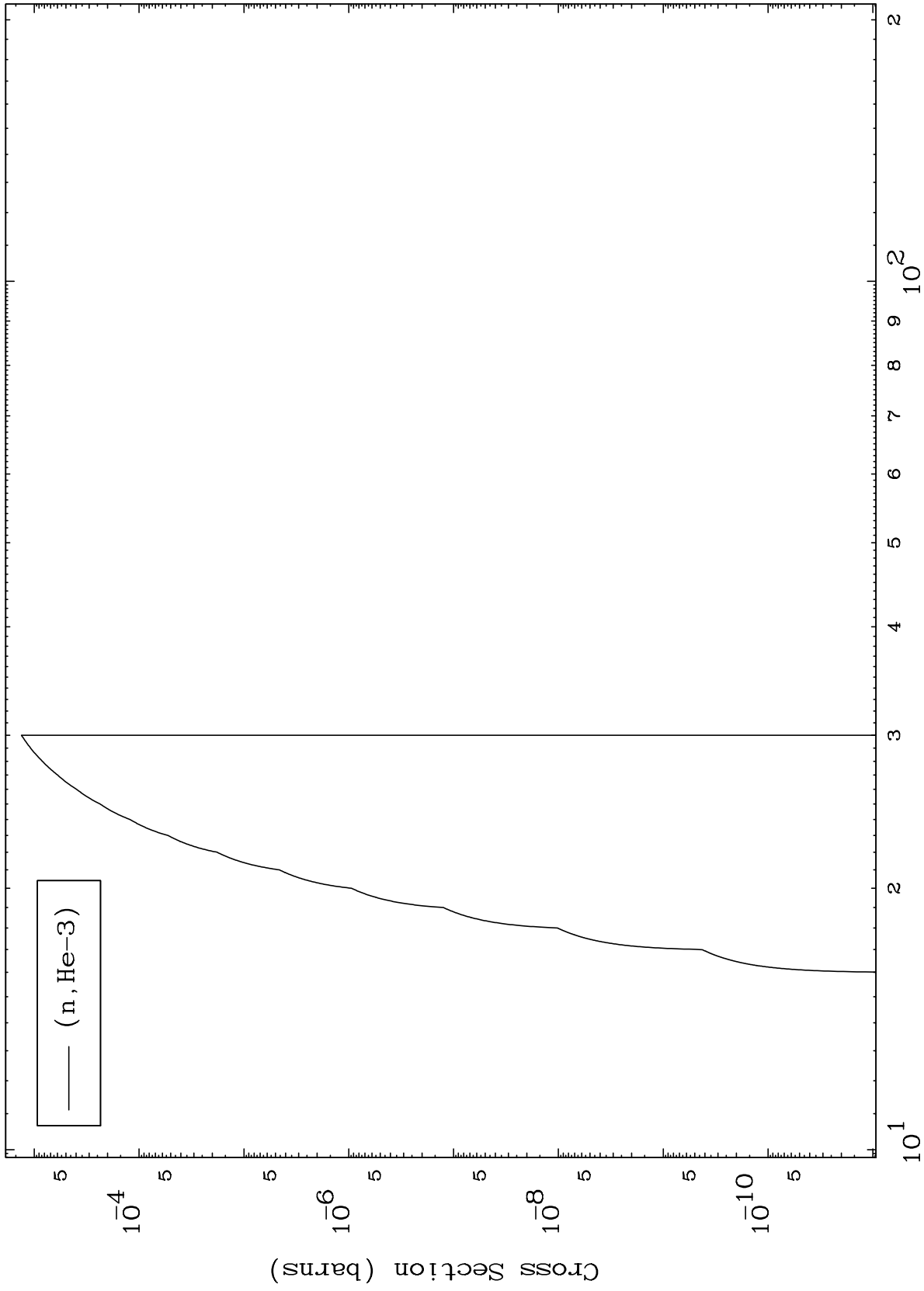
Incident Energy (MeV)

41-Nb-96

MAT 4134

(n,He3) Levels  
293 Kelvin Cross Sections

41-Nb-96



13

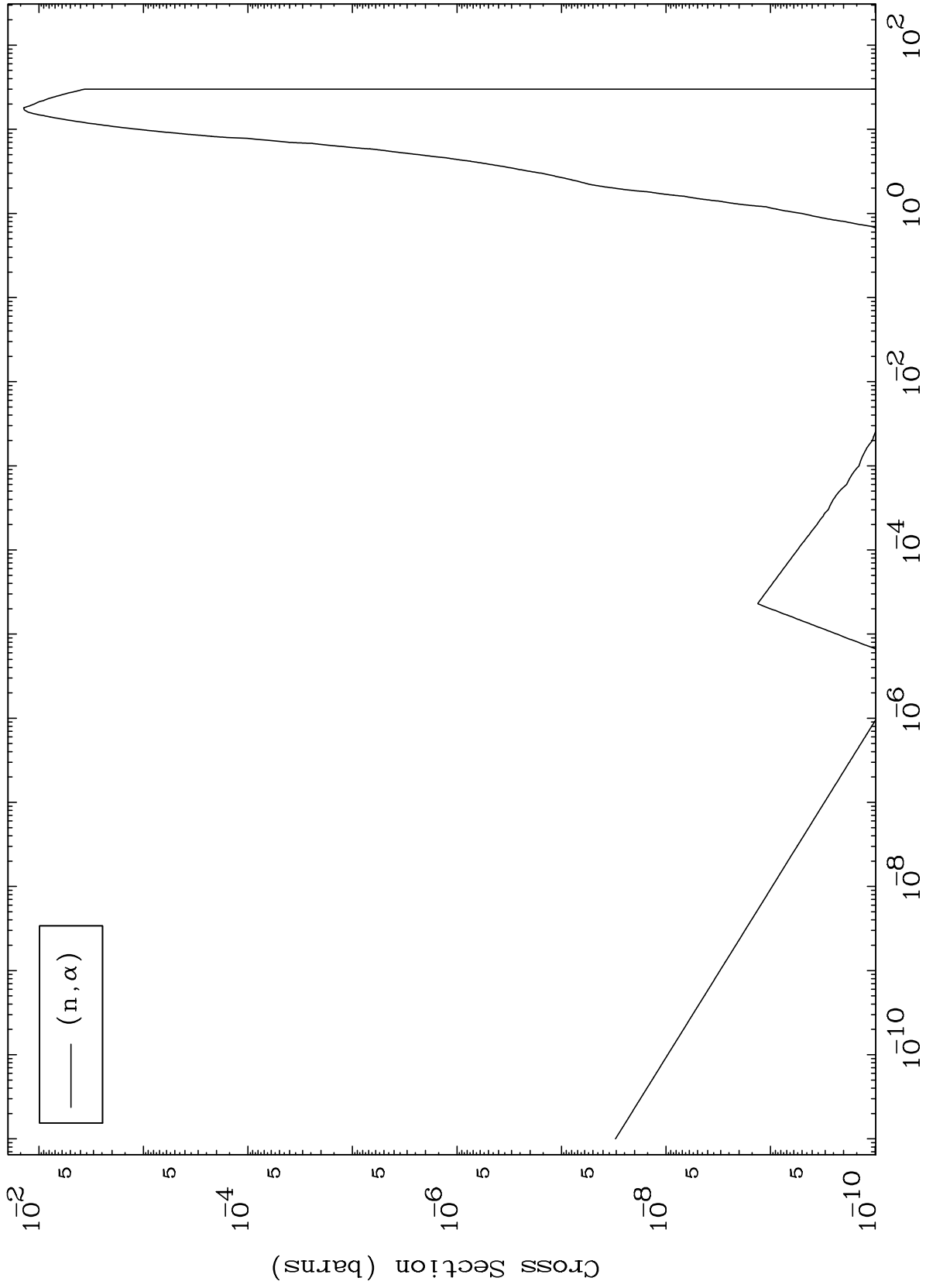
Incident Energy (MeV)

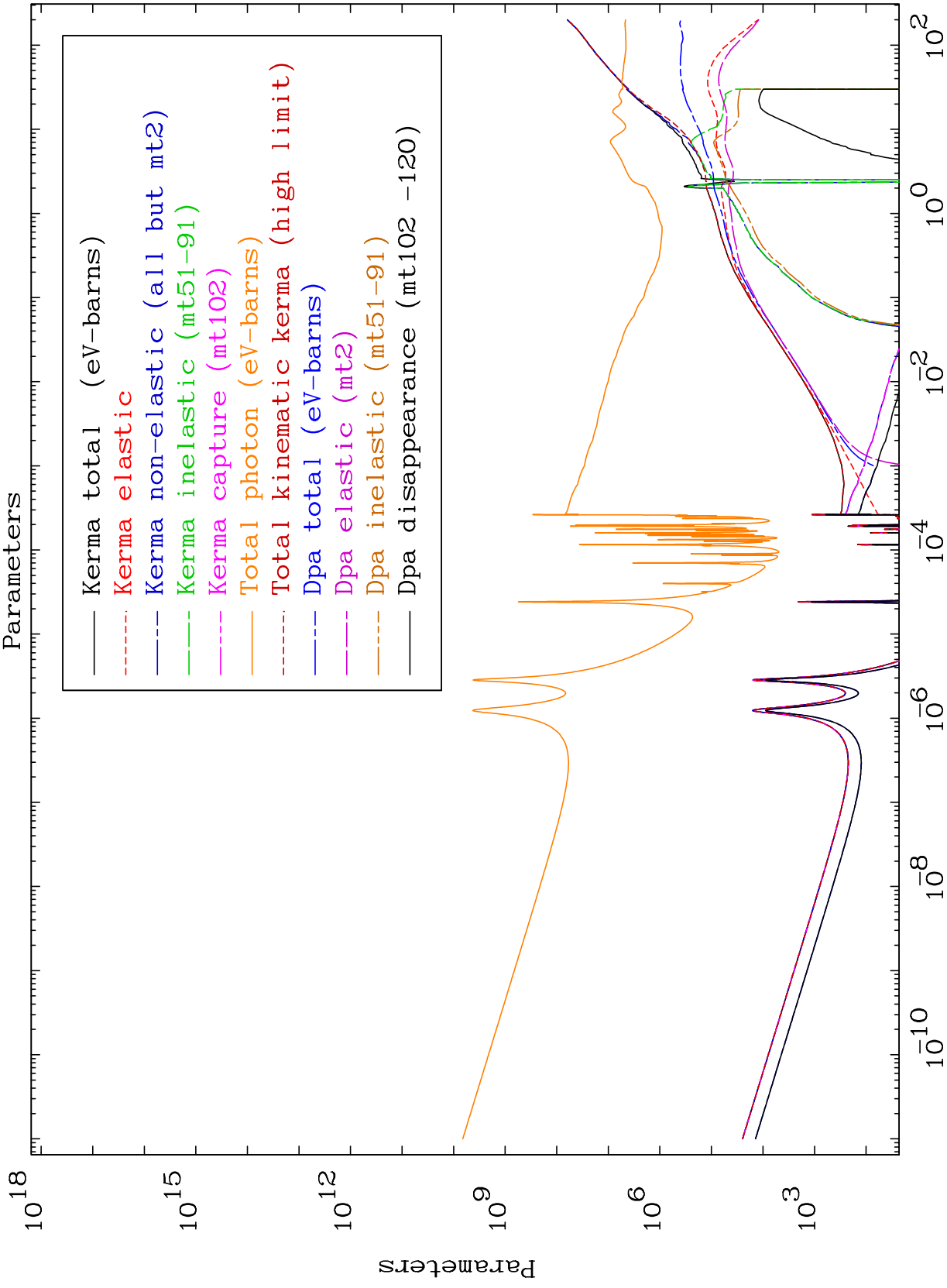
41-Nb-96

MAT 4134

(n,α) Levels  
293 Kelvin Cross Sections

41-Nb-96



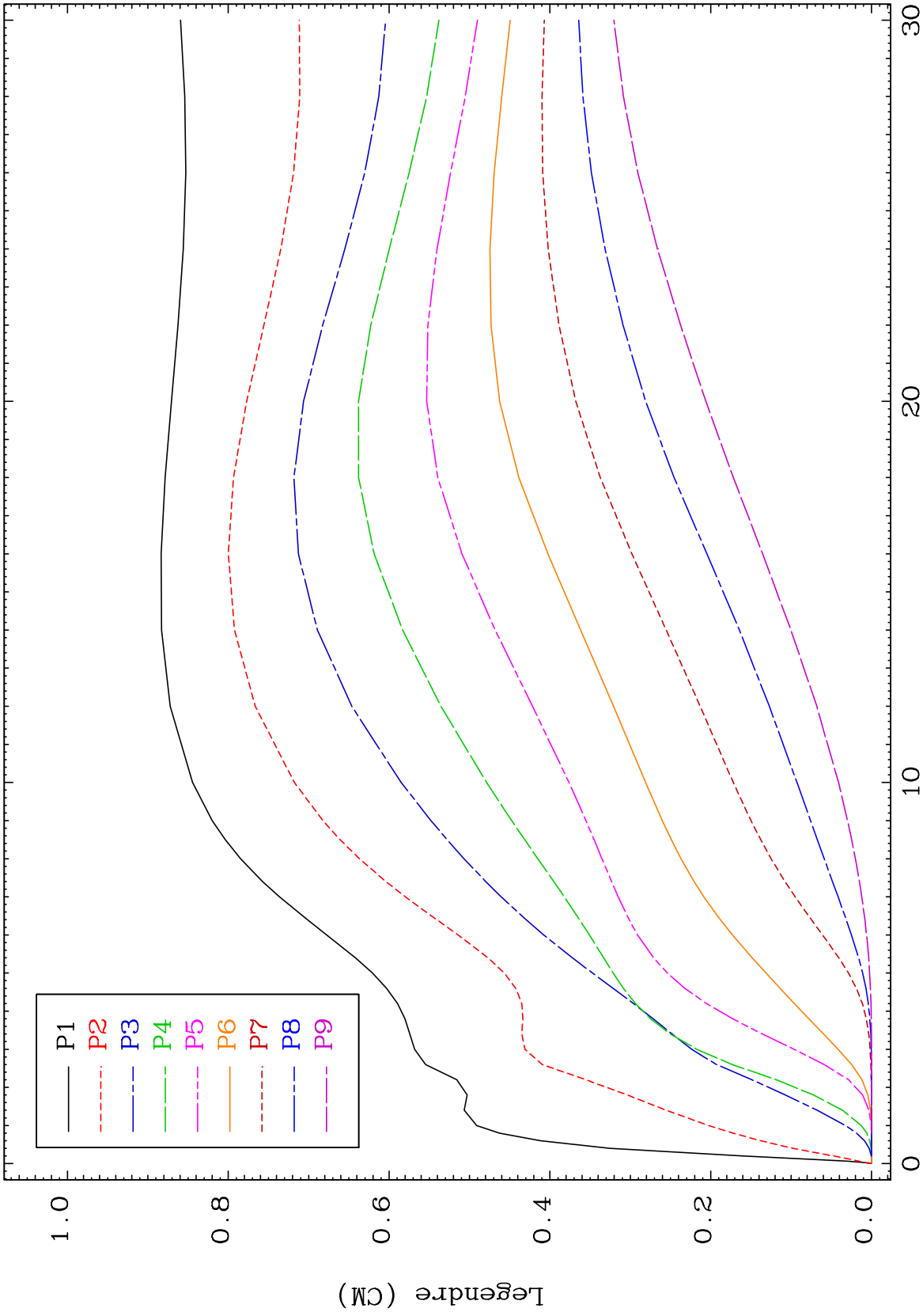




MAT 4134

Elastic Legendre Coefficients

41-Nb-96



16

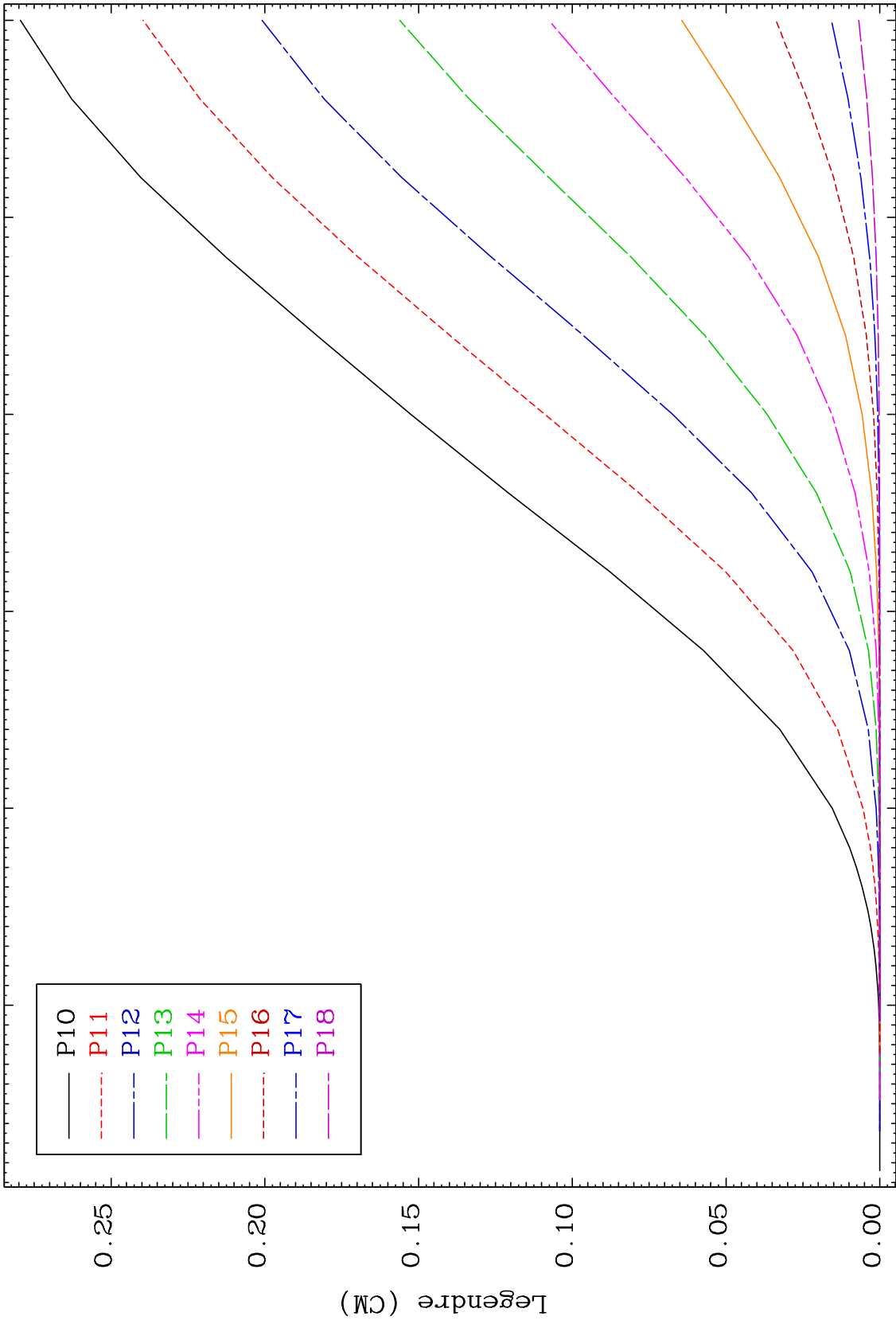
Incident Energy (MeV)

41-Nb-96

MAT 4134

Elastic Legendre Coefficients

41-Nb-96



17

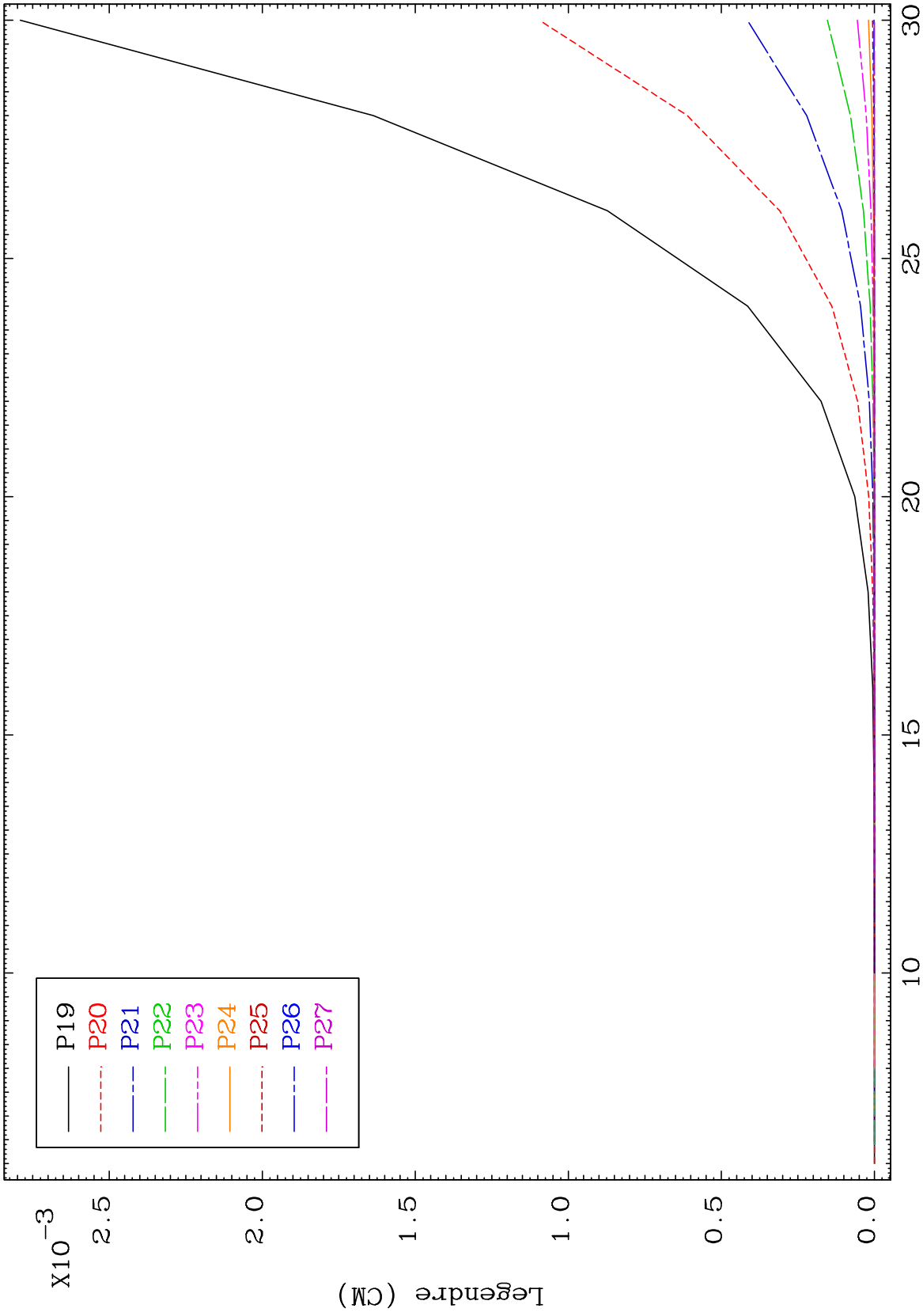
Incident Energy (MeV)

41-Nb-96

MAT 4134

### Elastic Legendre Coefficients

41-Nb-96



18

Incident Energy (MeV)

41-Nb-96

MAT 4134

41-Nb-96

Elastic Legendre Coefficients

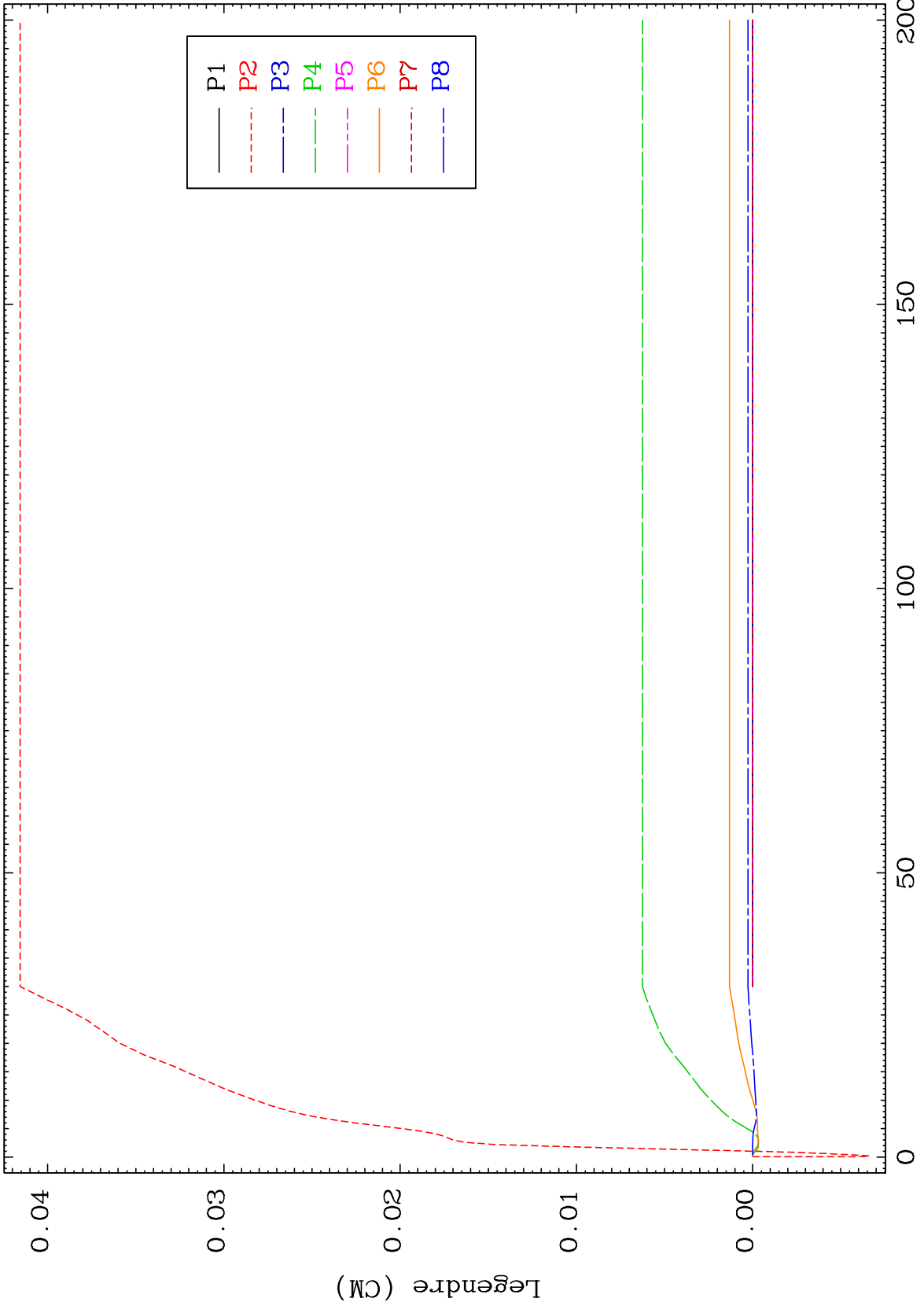


19

Incident Energy (MeV)

41-Nb-96

MAT 4134 MT= 51 (n,n') Level Legendre Coefficients 41-Nb-96

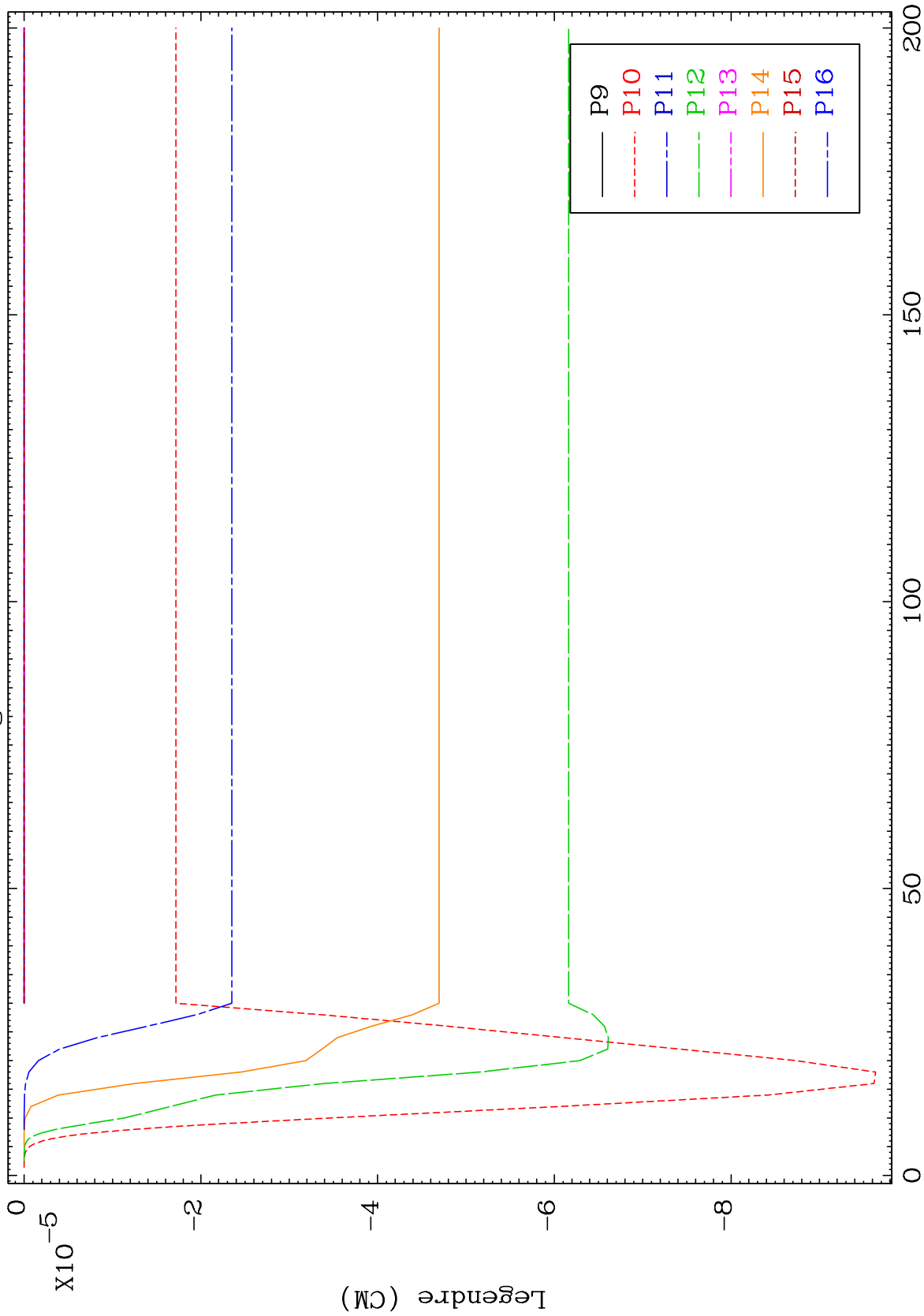


41-Nb-96

MAT 4134

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

41-Nb-96



21

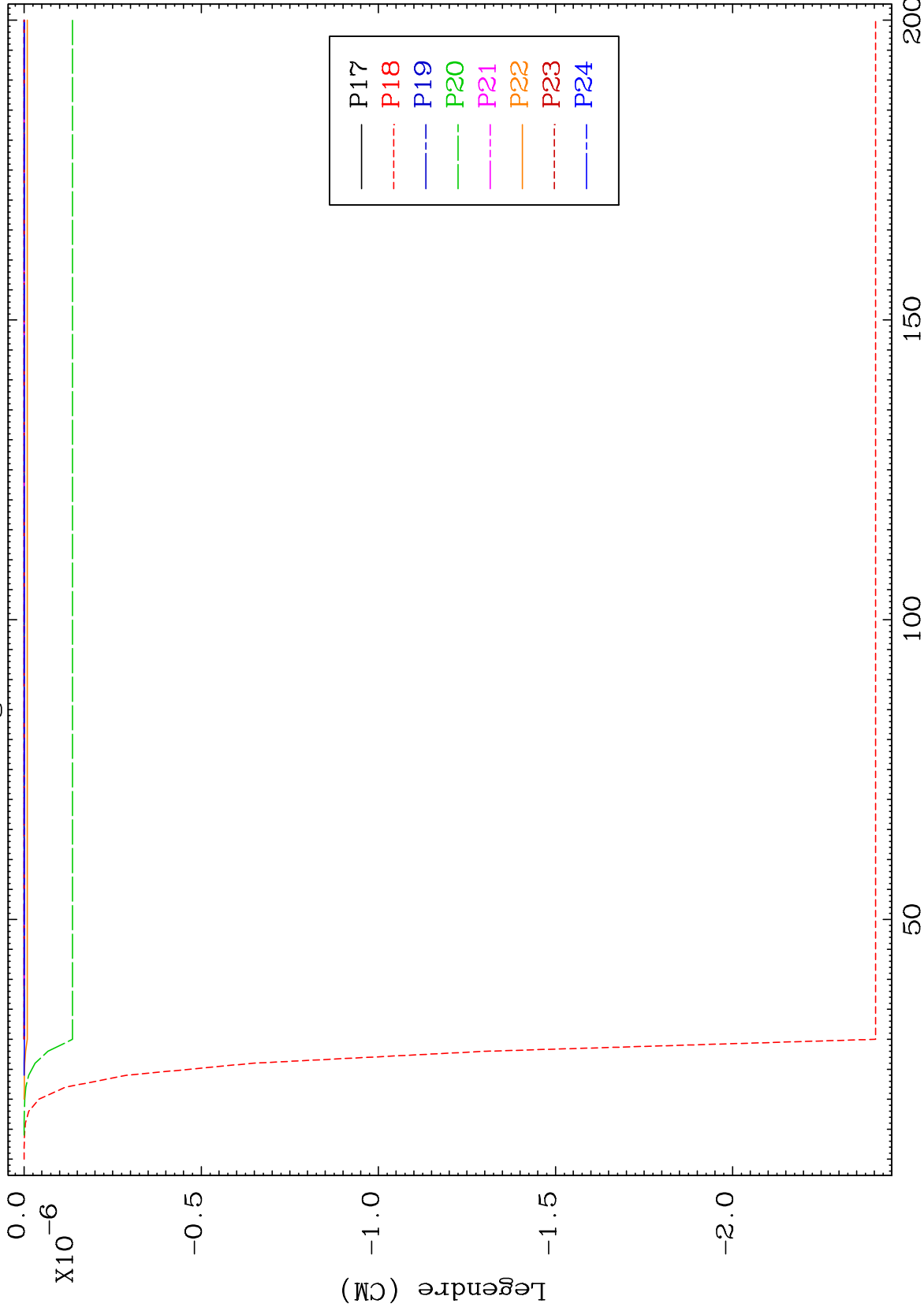
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96

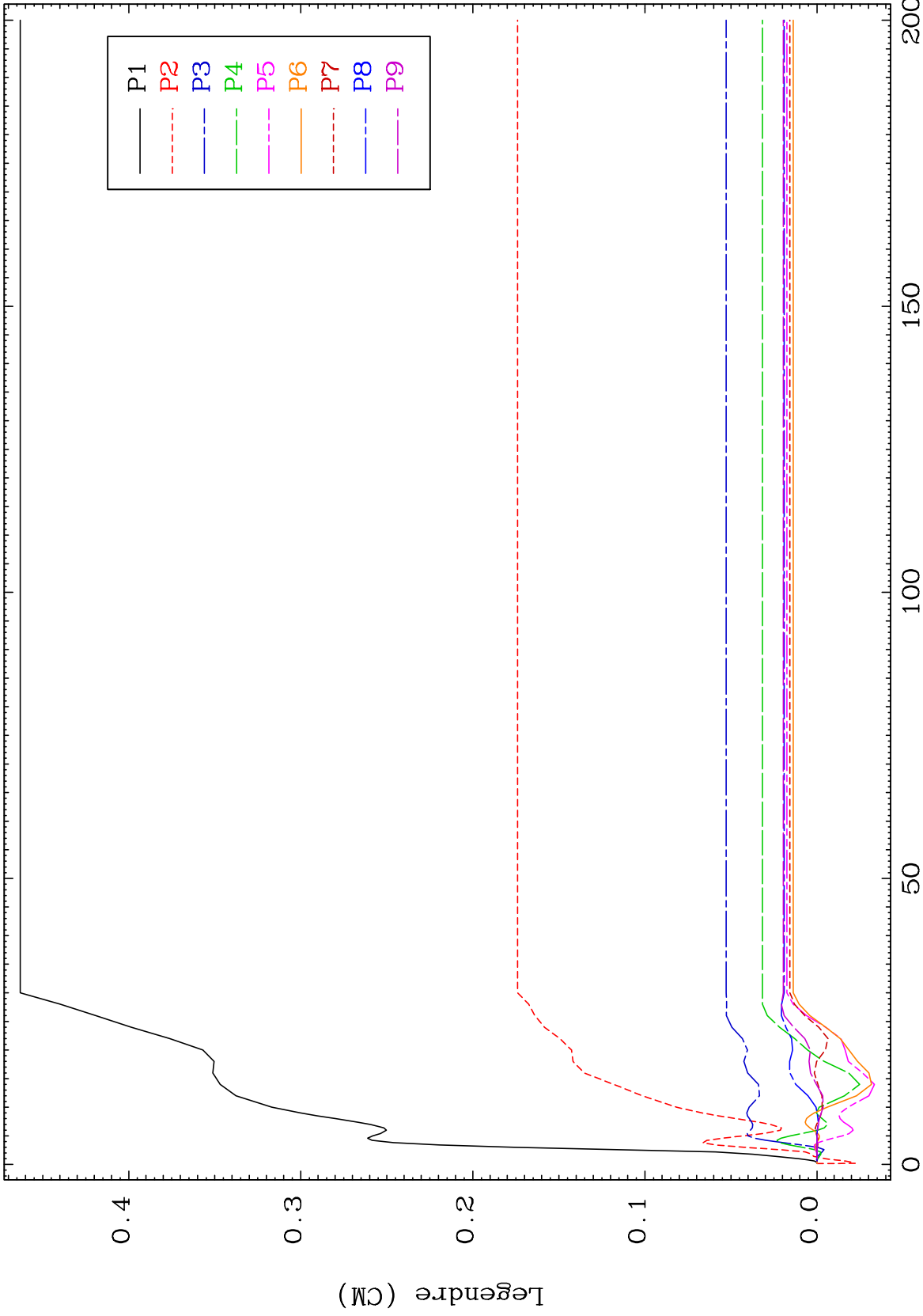


22

MAT 4134

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

41-Nb-96



23

Incident Energy (MeV)

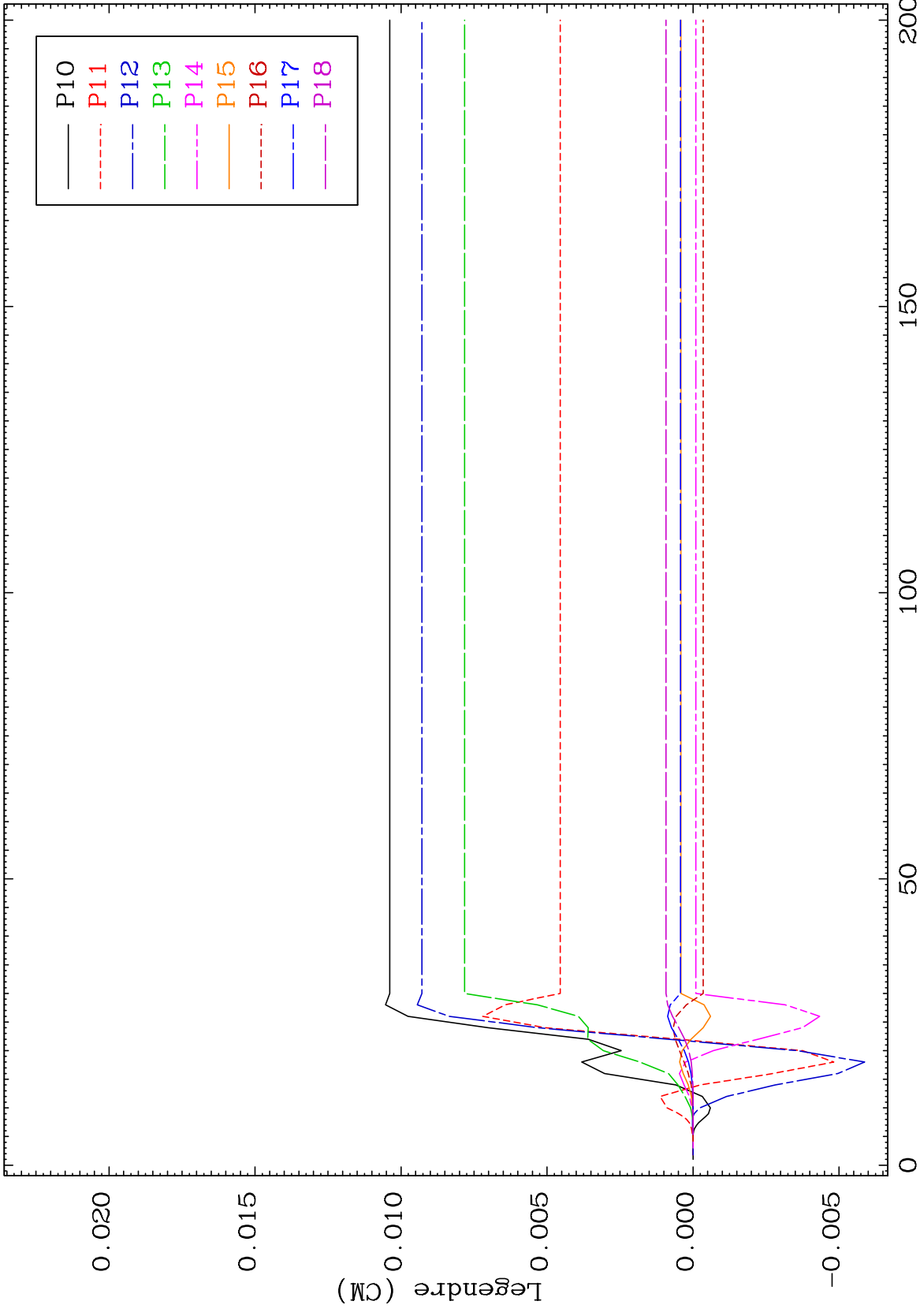
41-Nb-96



MAT 4134

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

41-Nb-96



24

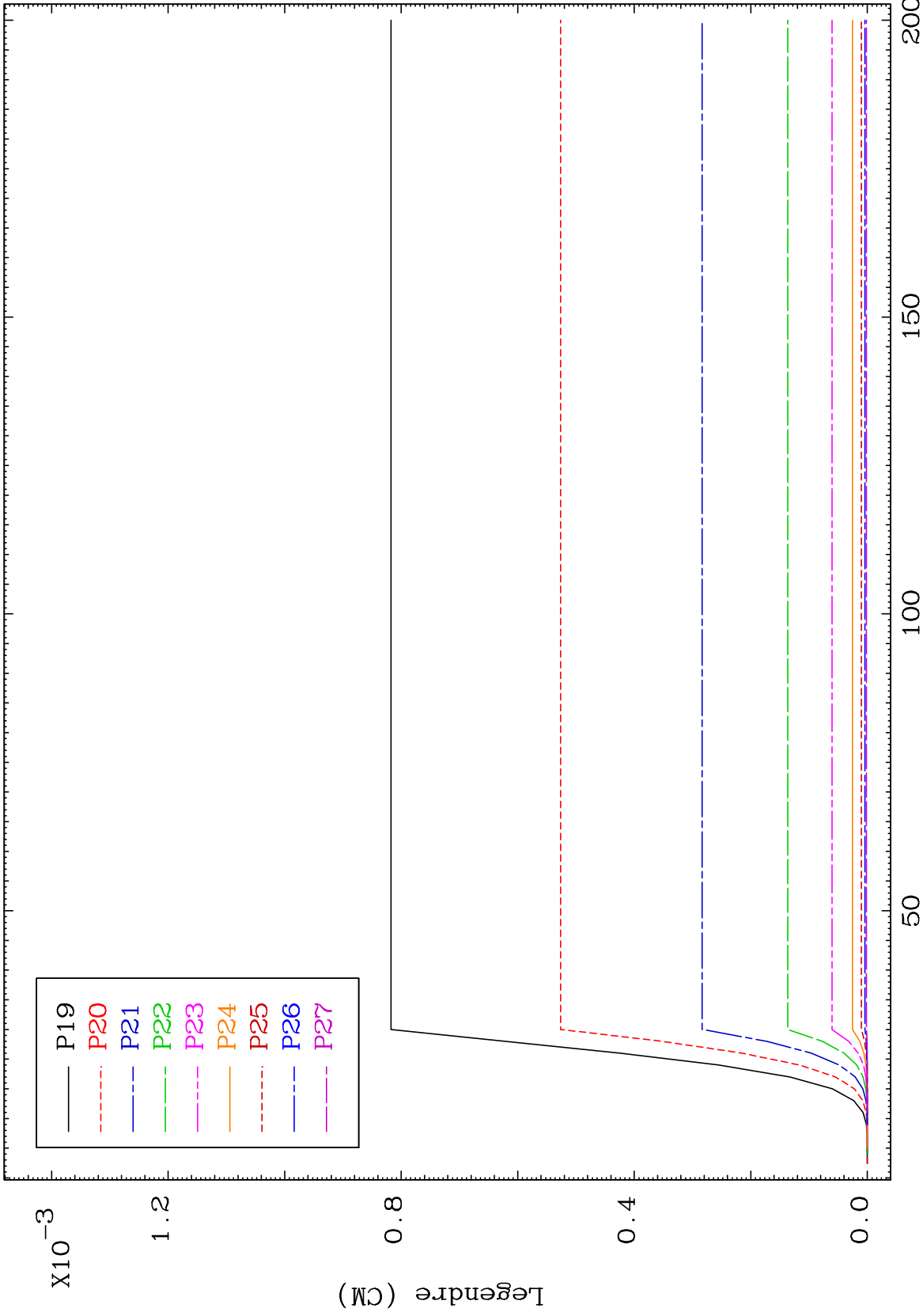
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



25

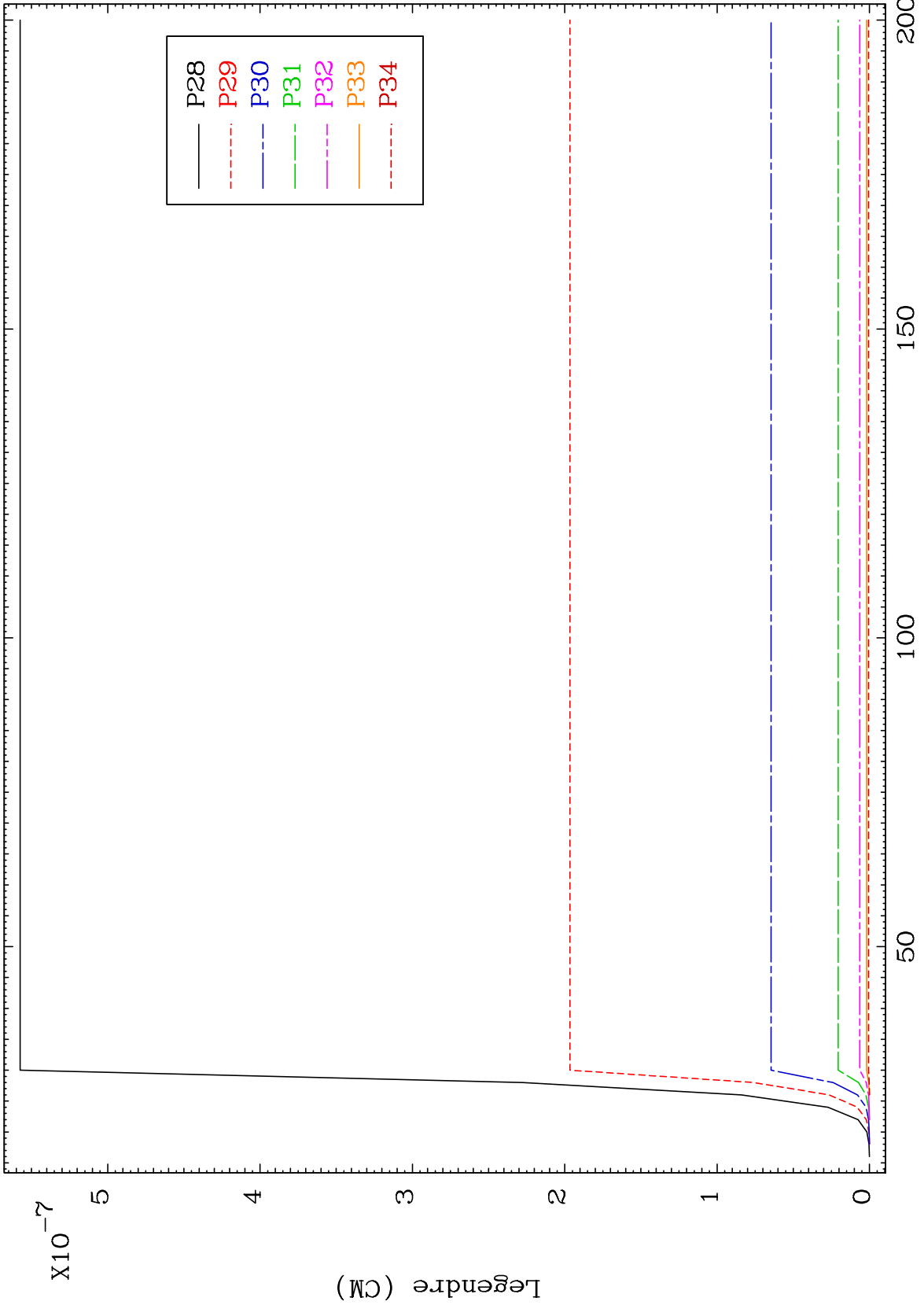
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



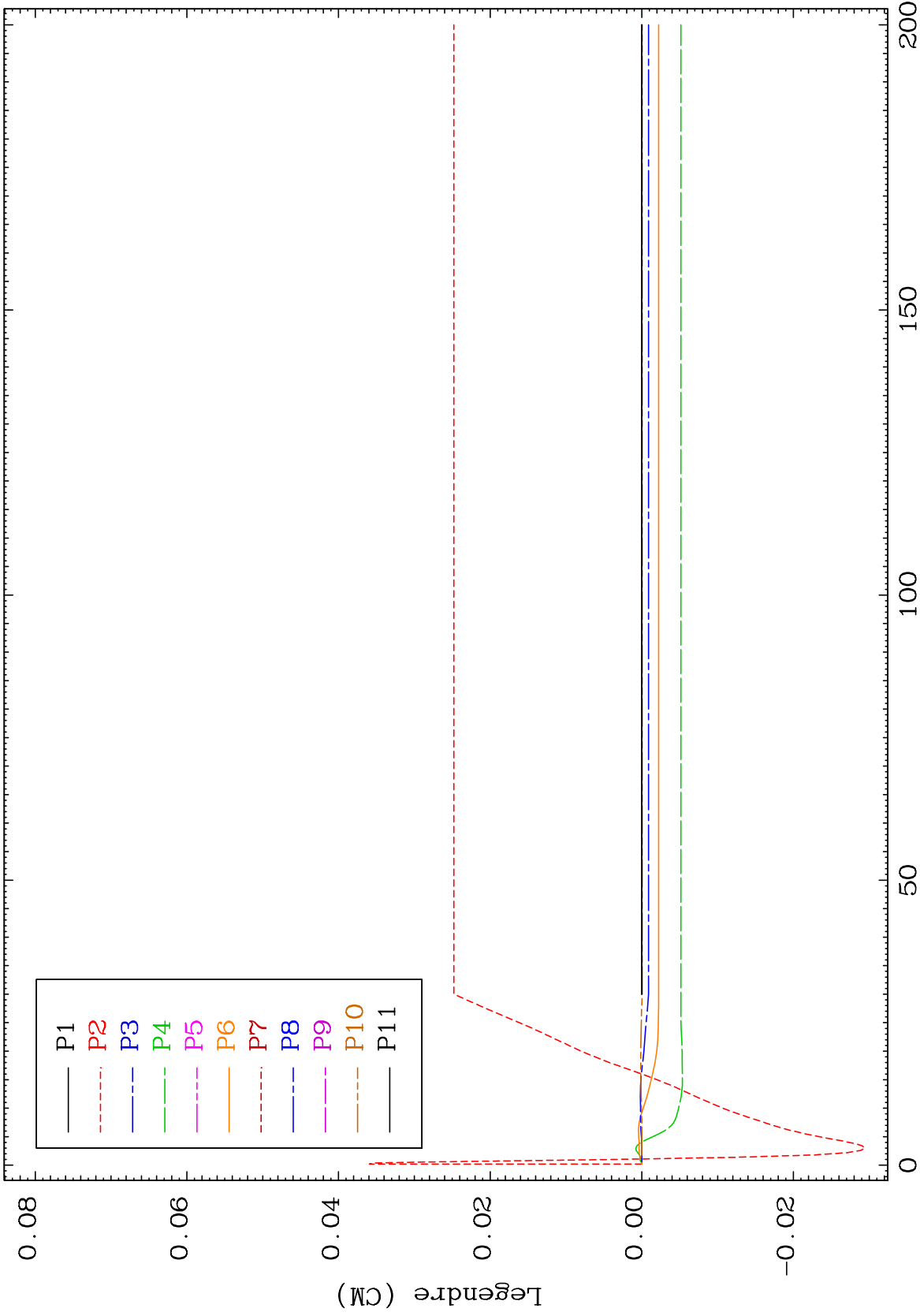
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41-Nb-96

MAT 4134

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

41-Nb-96



27

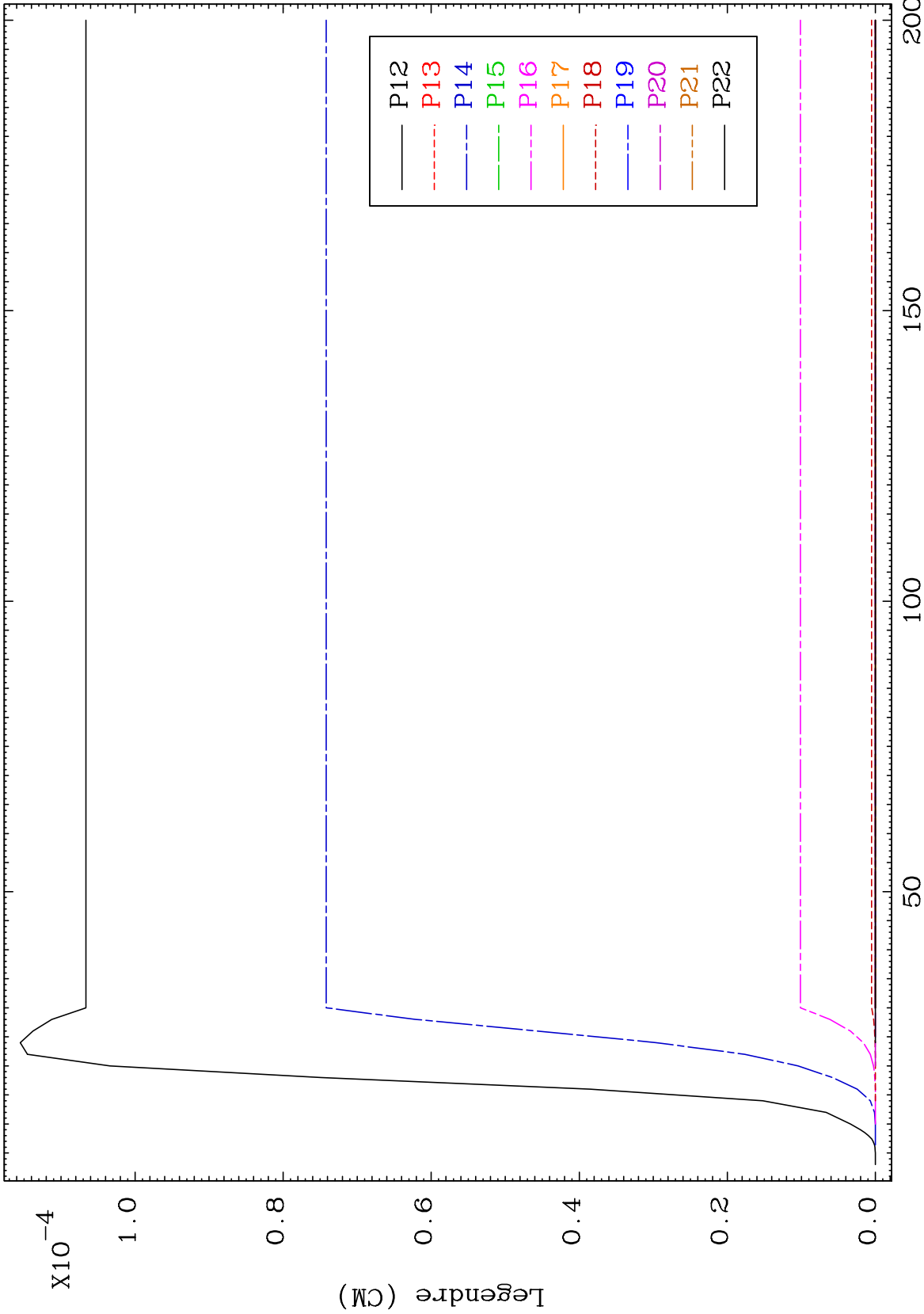
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



28

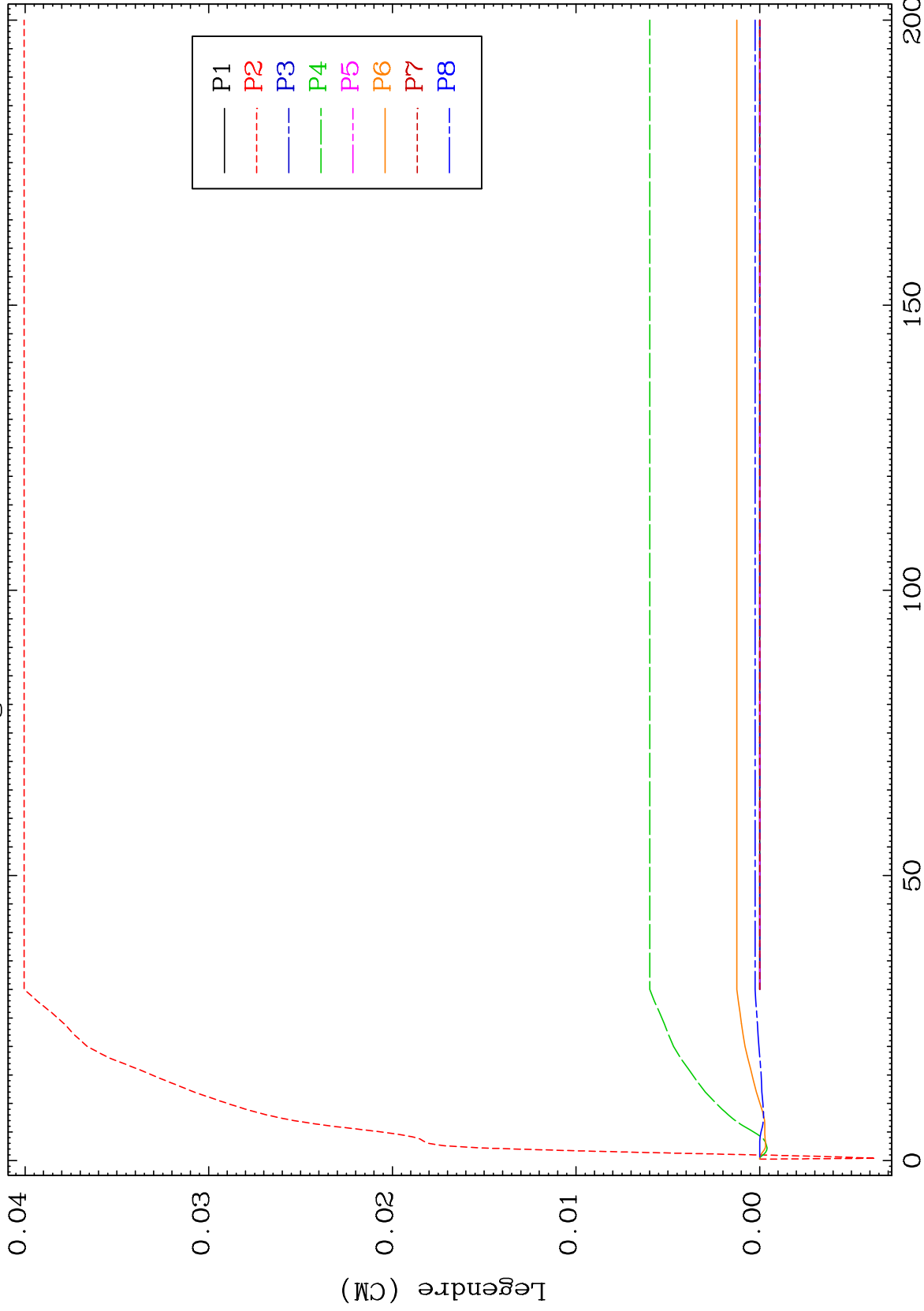
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



29

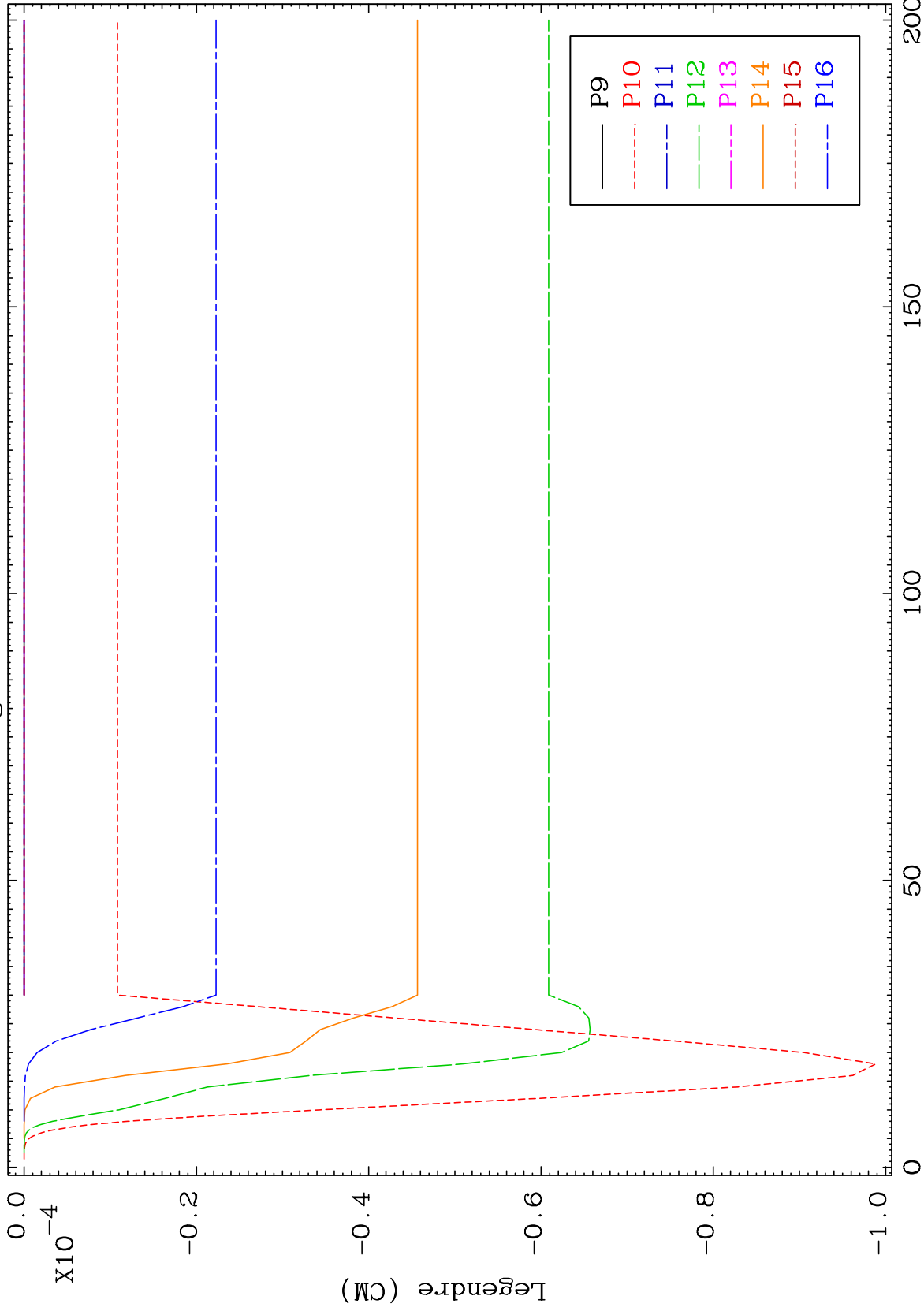
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

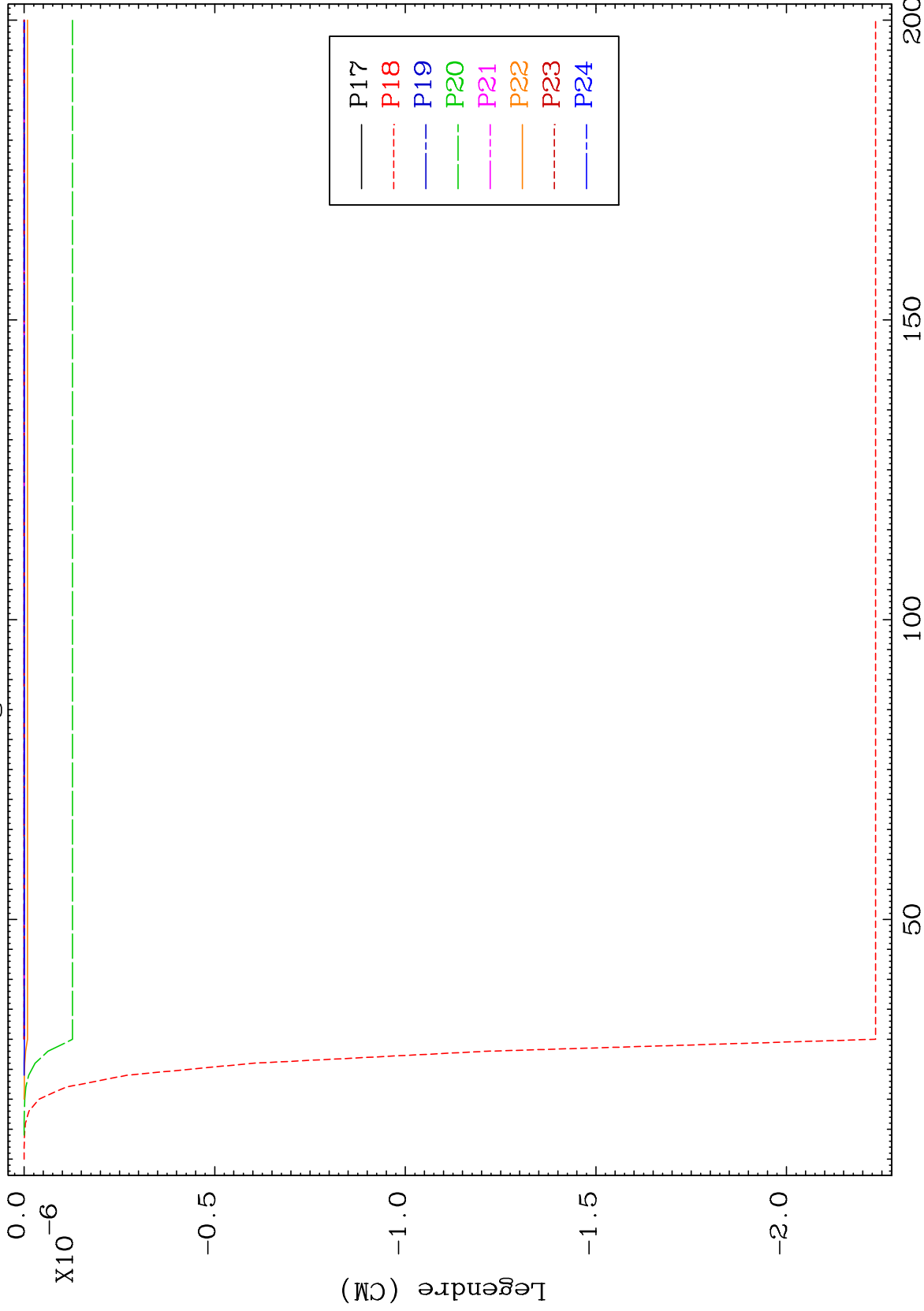
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30

Incident Energy (MeV)

41-Nb-96

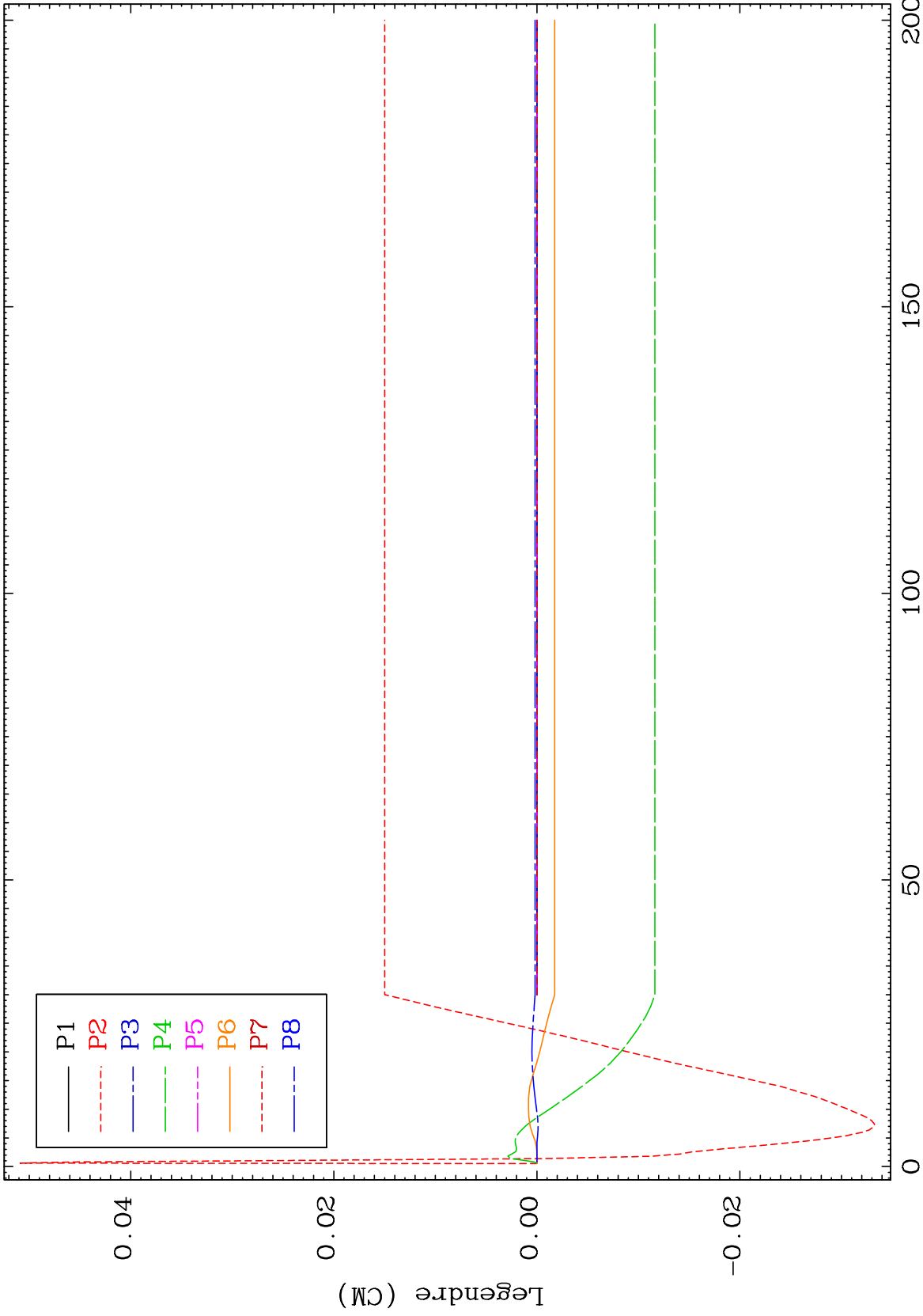




MAT 4134

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

41-Nb-96



32

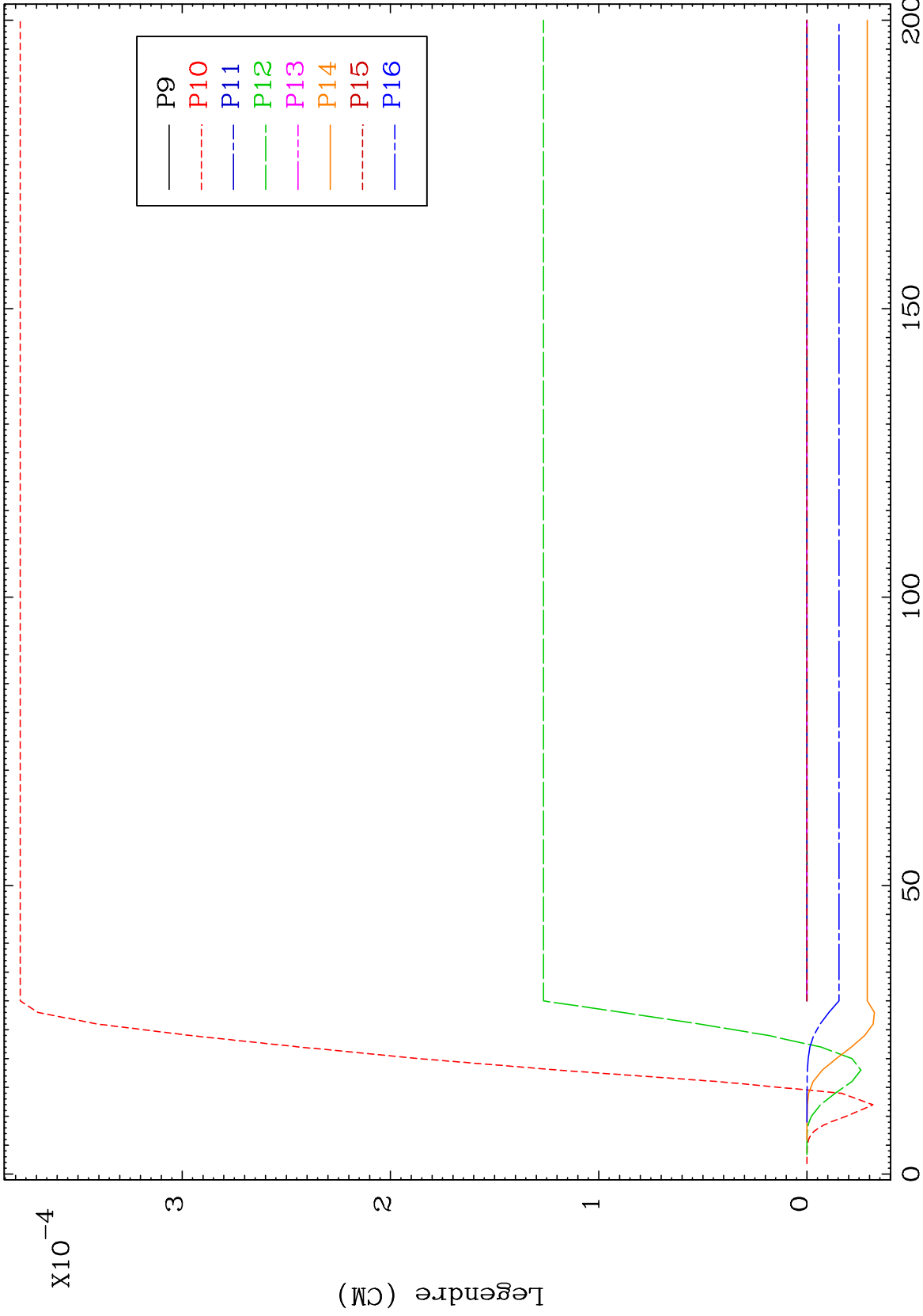
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



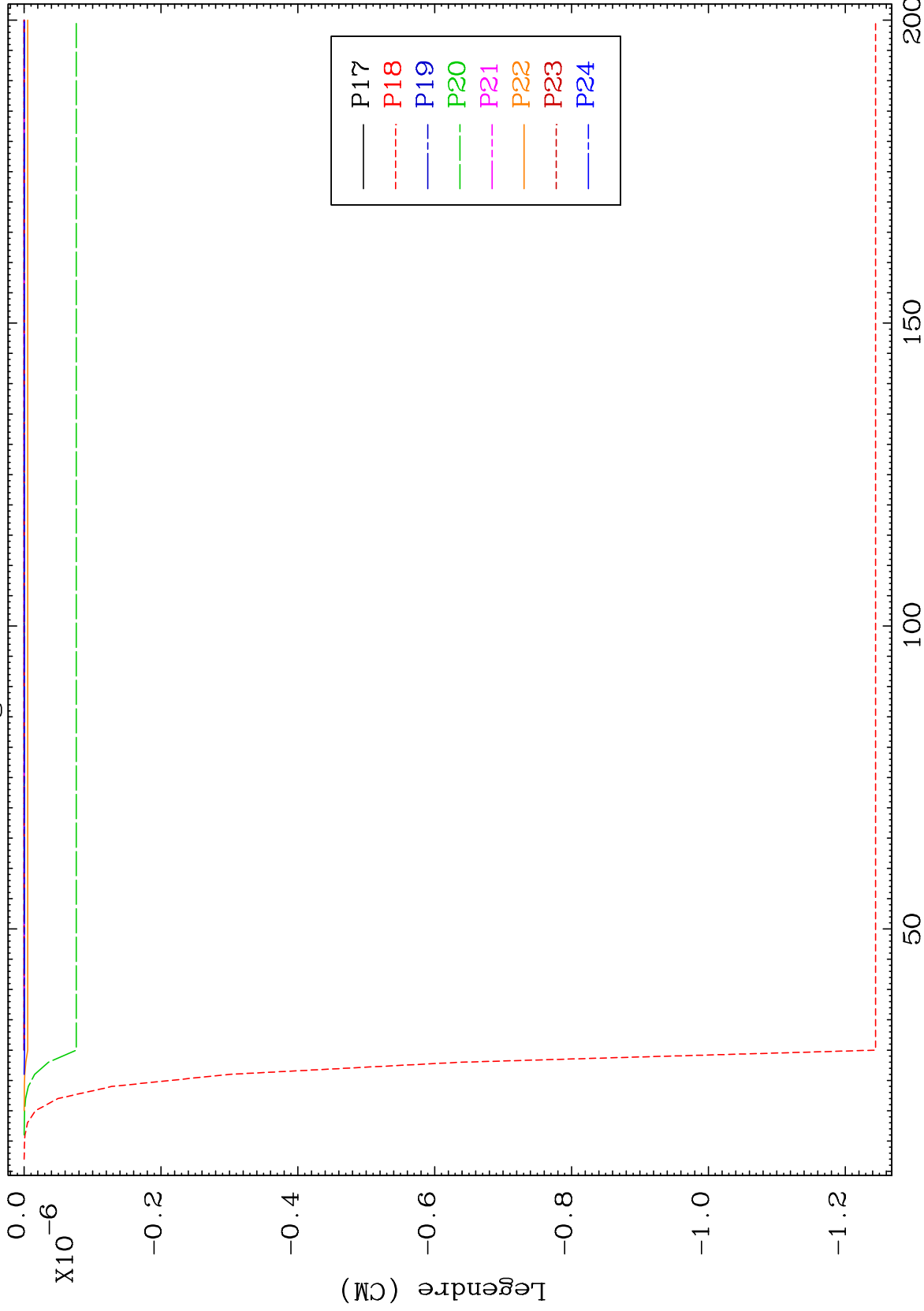
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41-Nb-96

MAT 4134

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

41-Nb-96



41-Nb-96

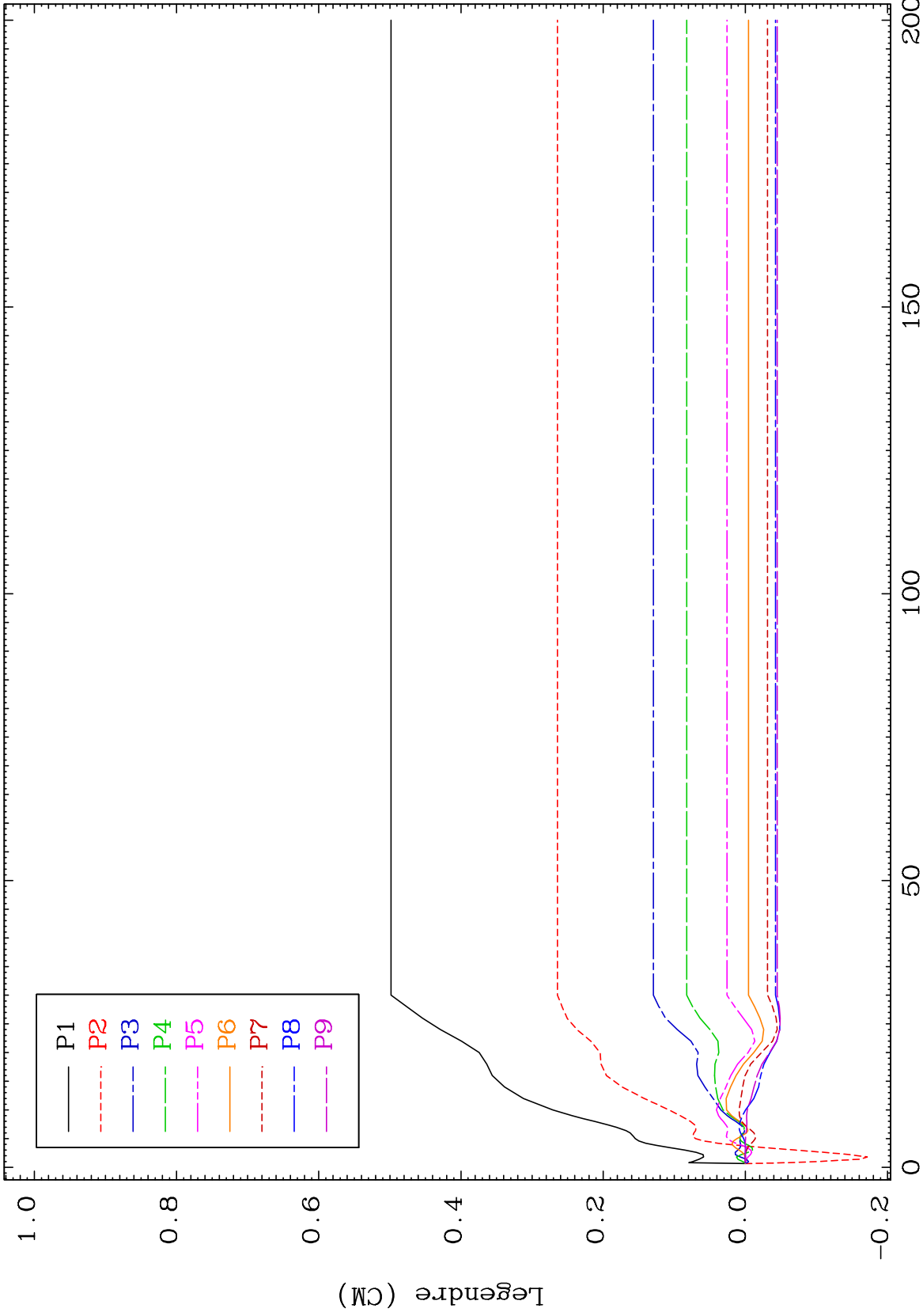
Incident Energy (MeV)

34

MAT 4134

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

41-Nb-96



35

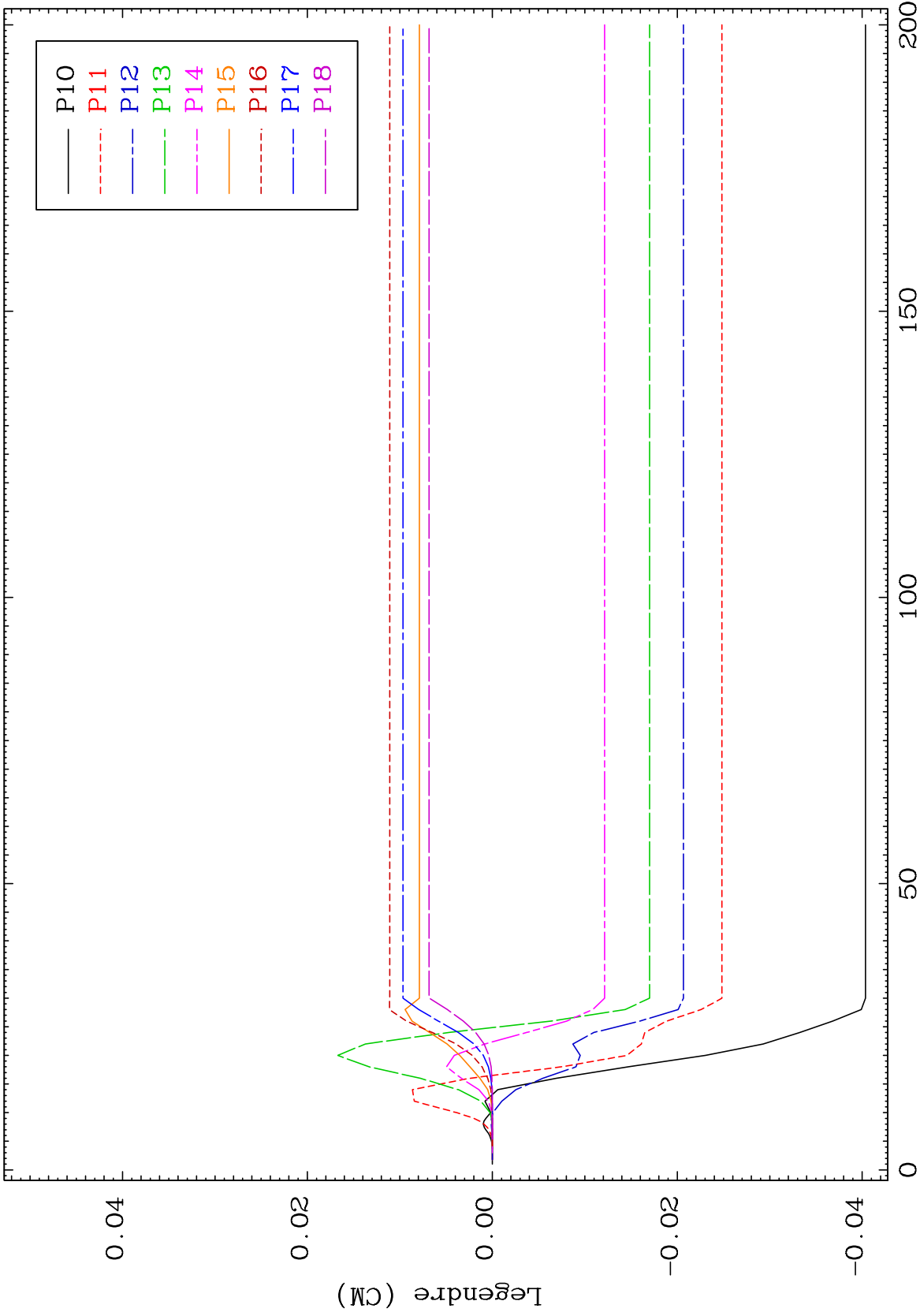
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



36

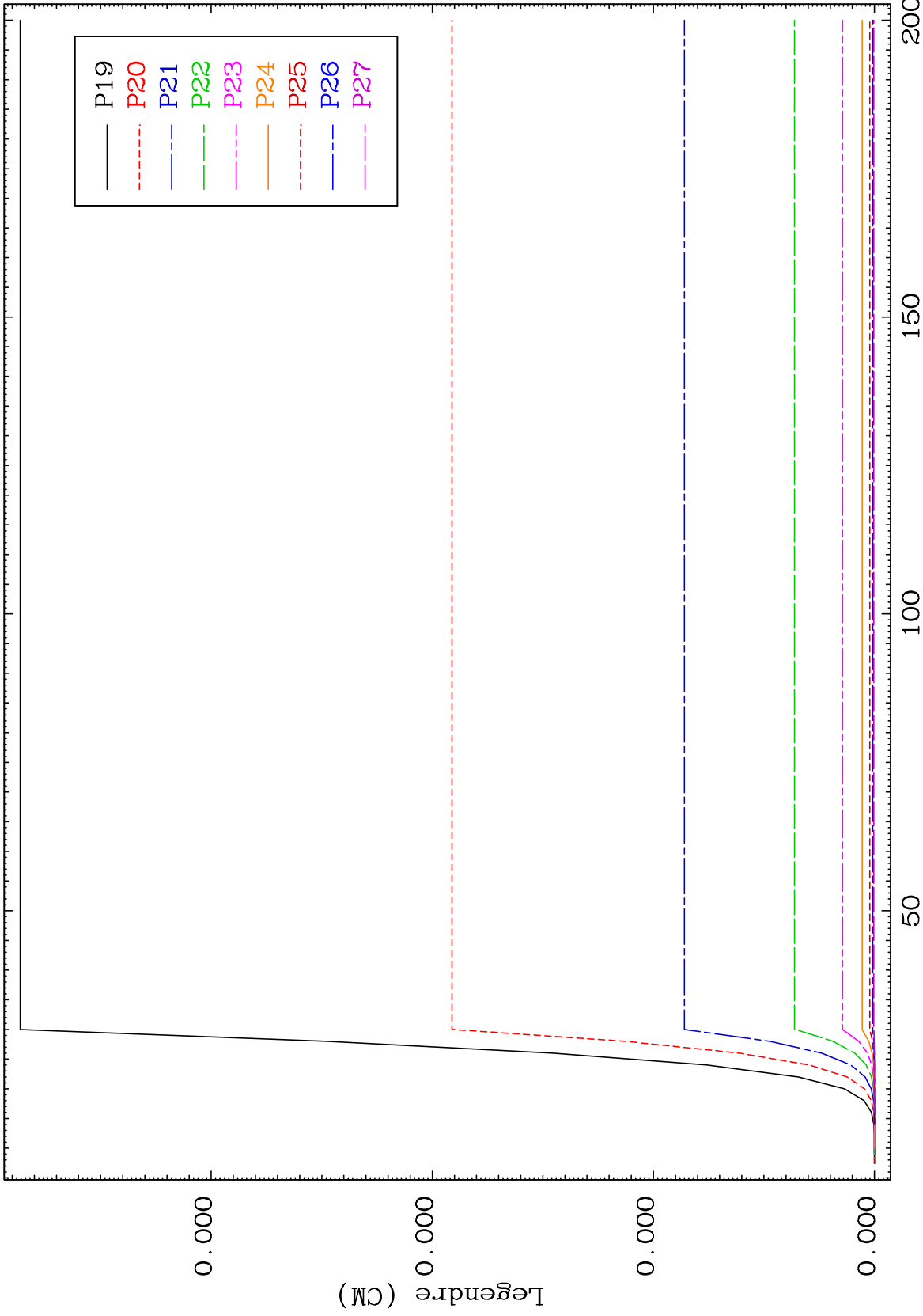
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



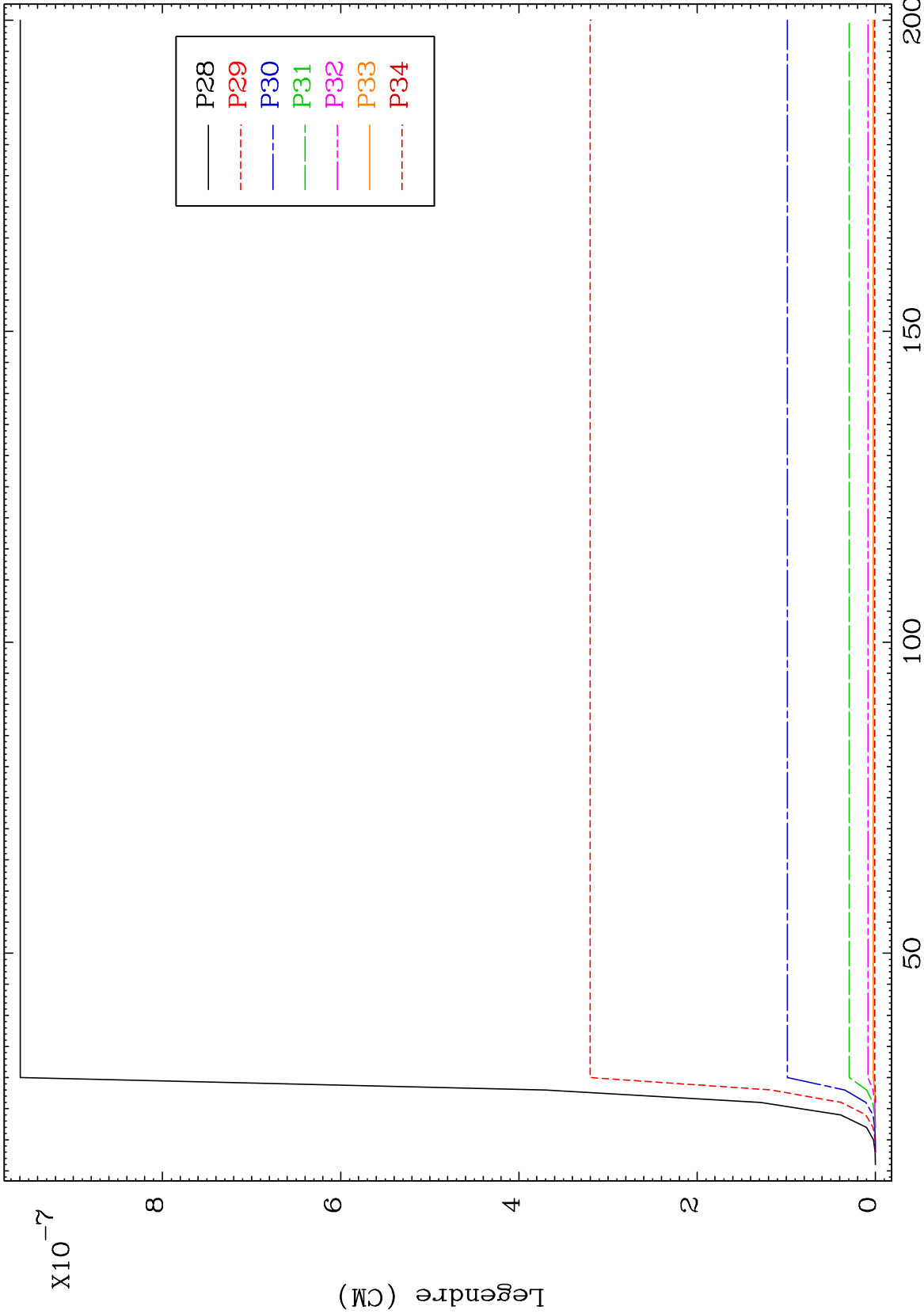
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41-Nb-96

MAT 4134

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

41-Nb-96



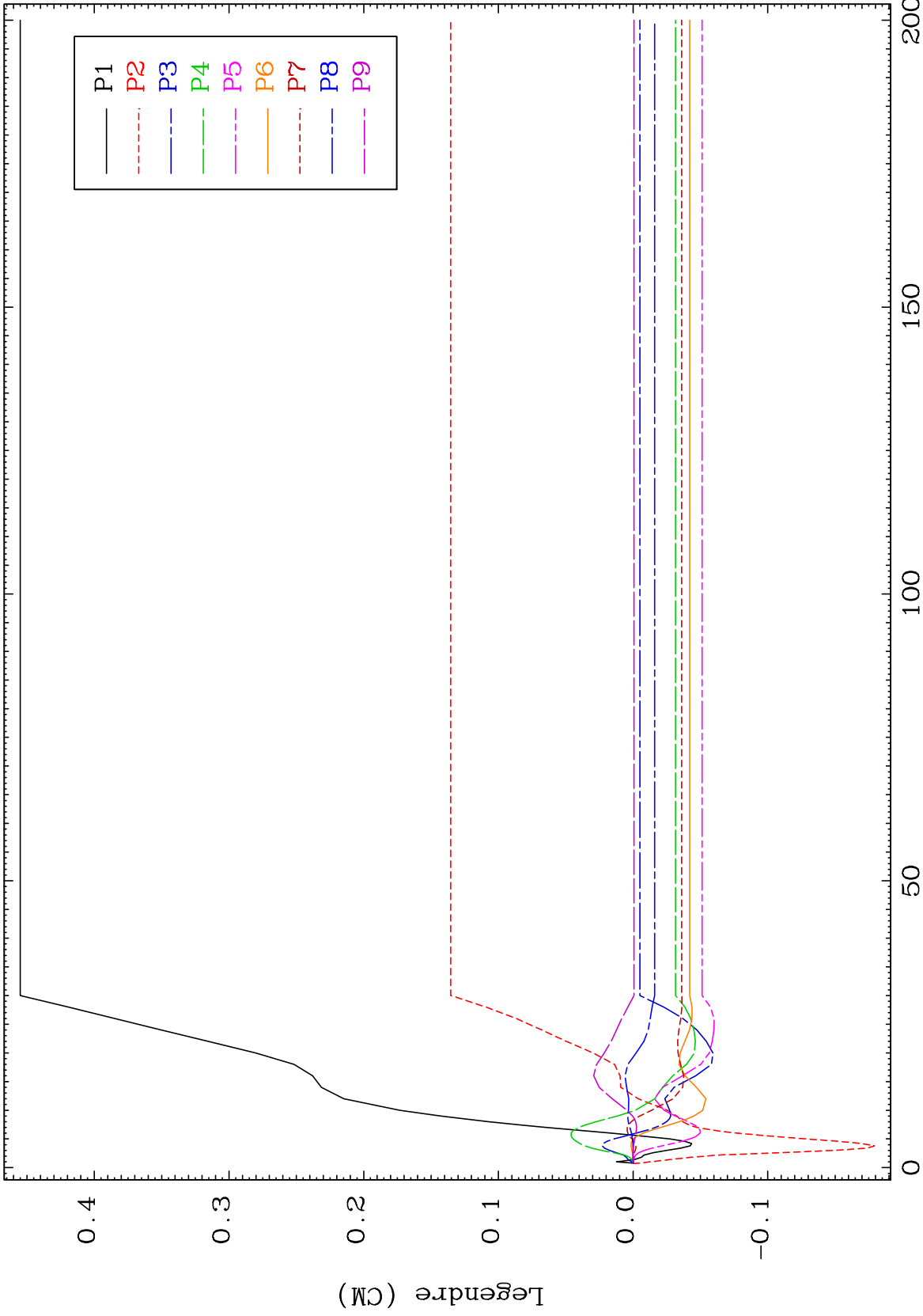
38

41-Nb-96

MAT 4134

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

41-Nb-96



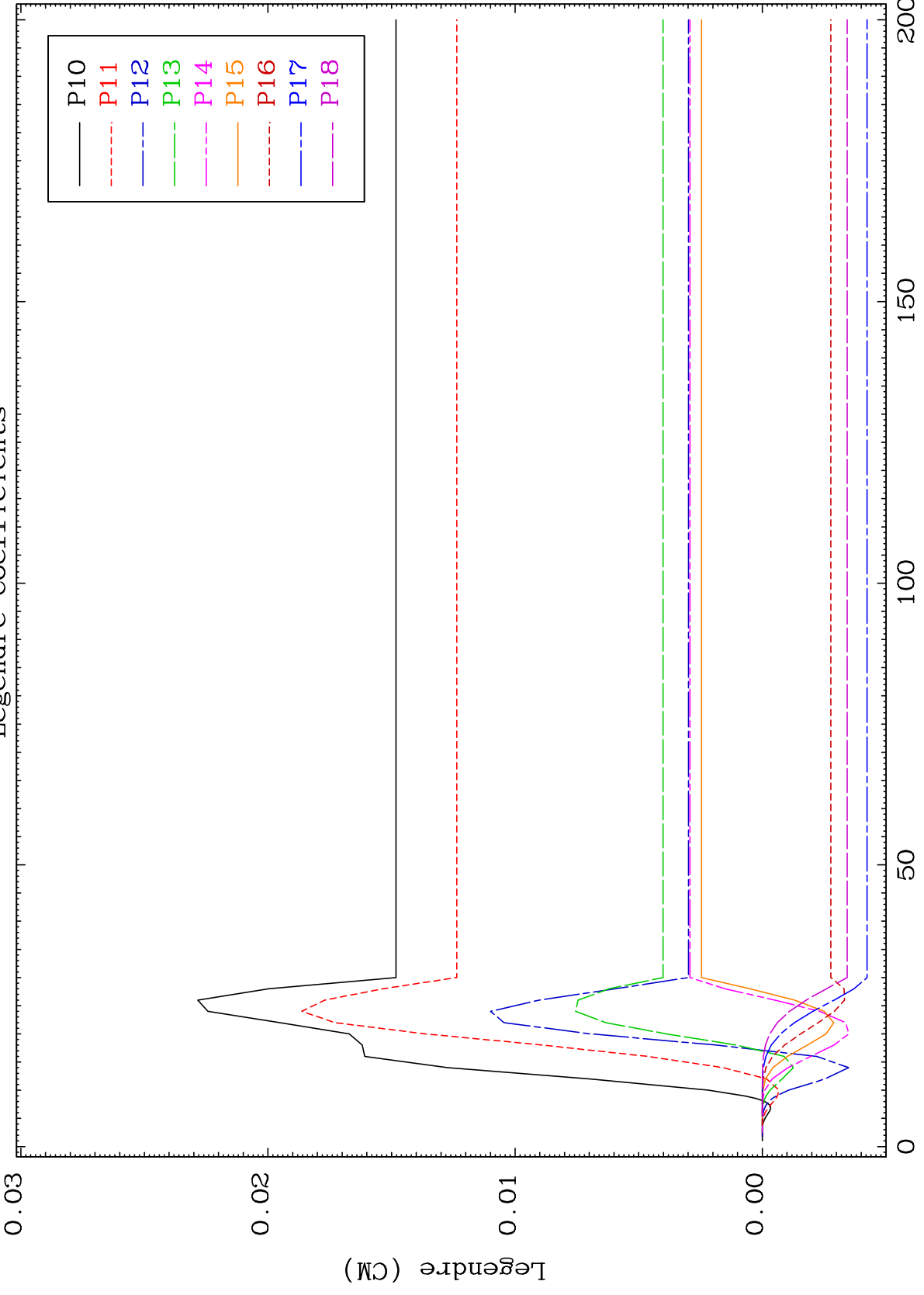
39

Incident Energy (MeV)

41-Nb-96



MAT 4134 MT= 57 (n,n') Level Legendre Coefficients 41-Nb-96

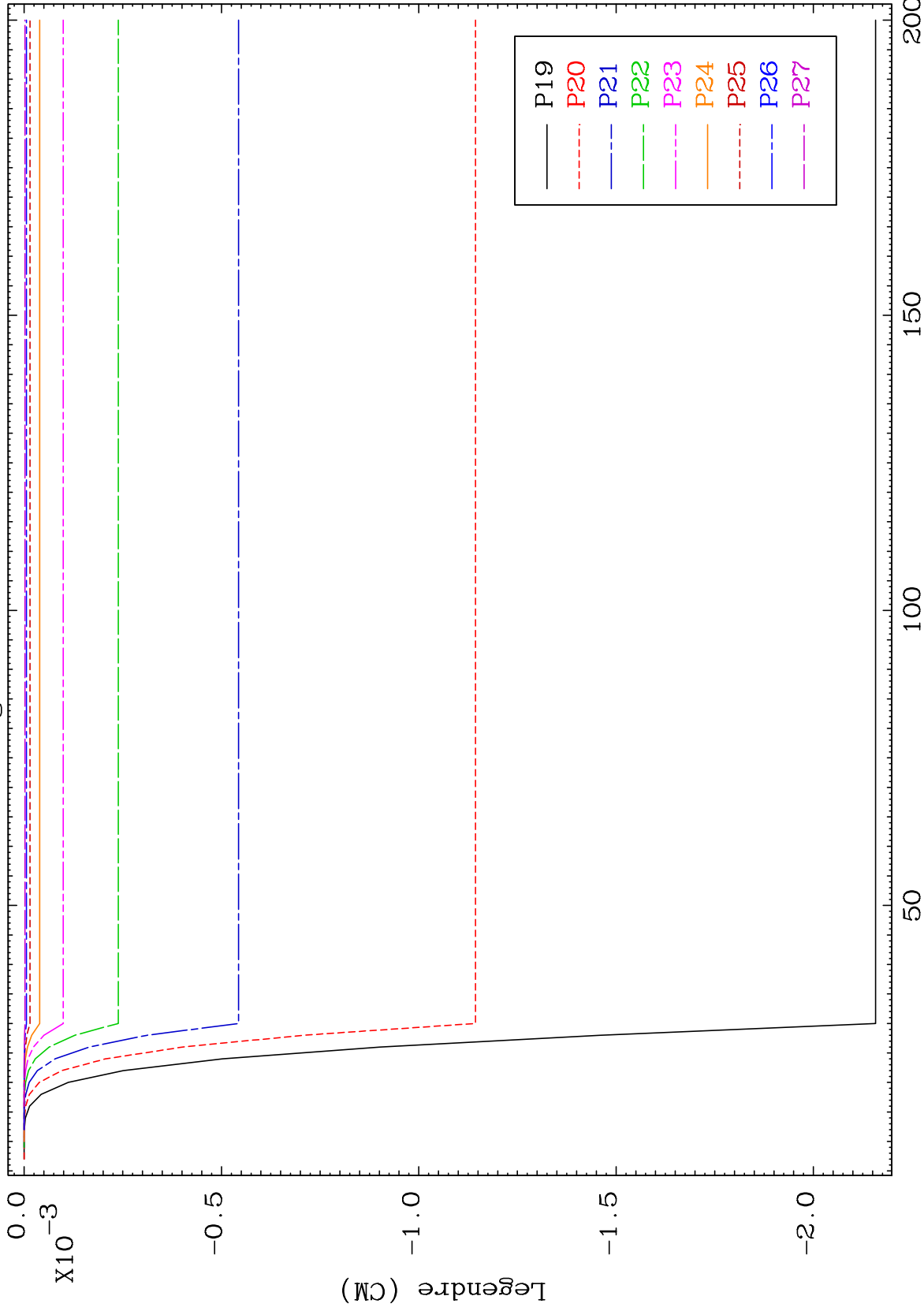


41-Nb-96

MAT 4134

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

41-Nb-96



41-Nb-96

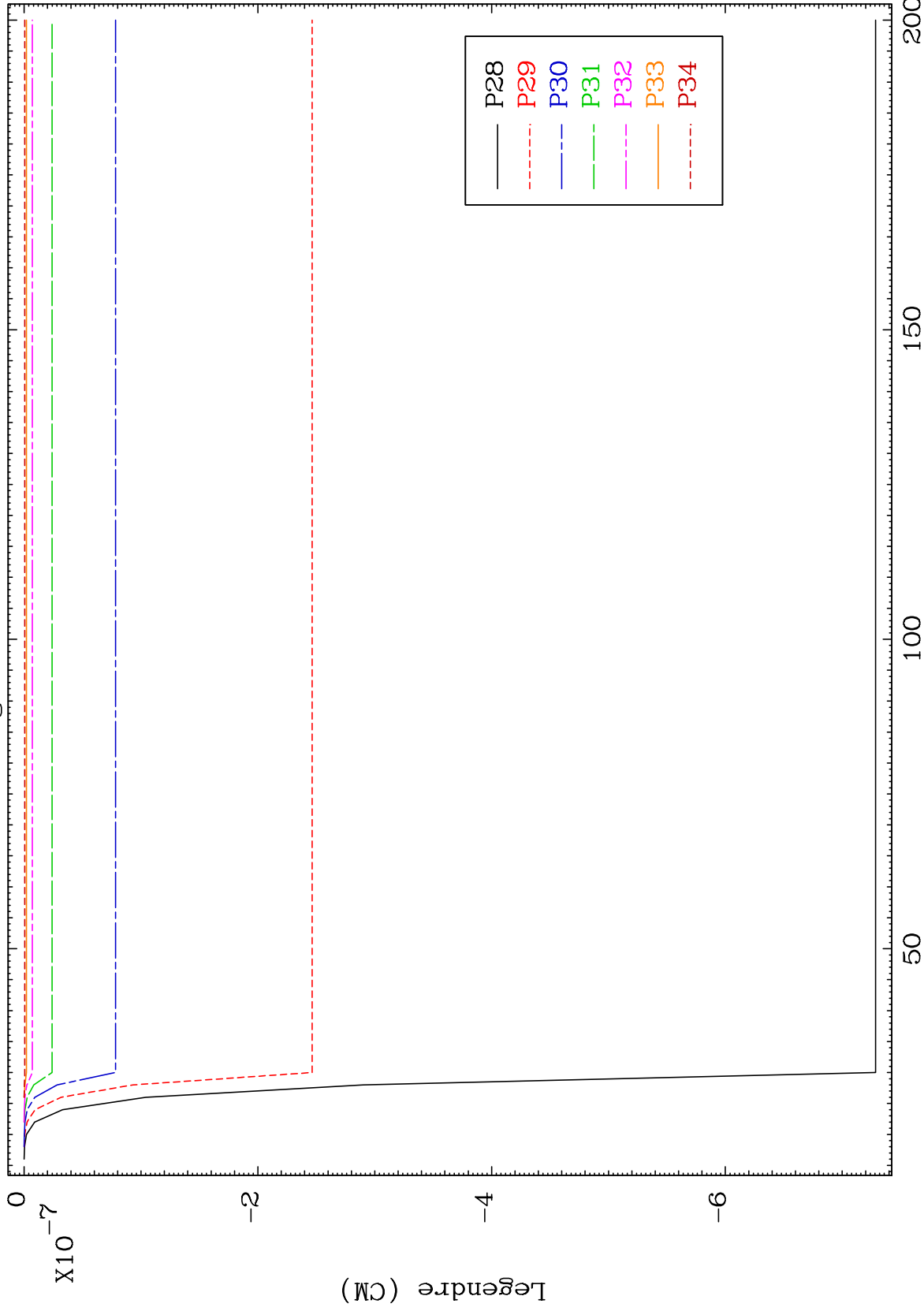
Incident Energy (MeV)

41

MAT 4134

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

41-Nb-96



41-Nb-96

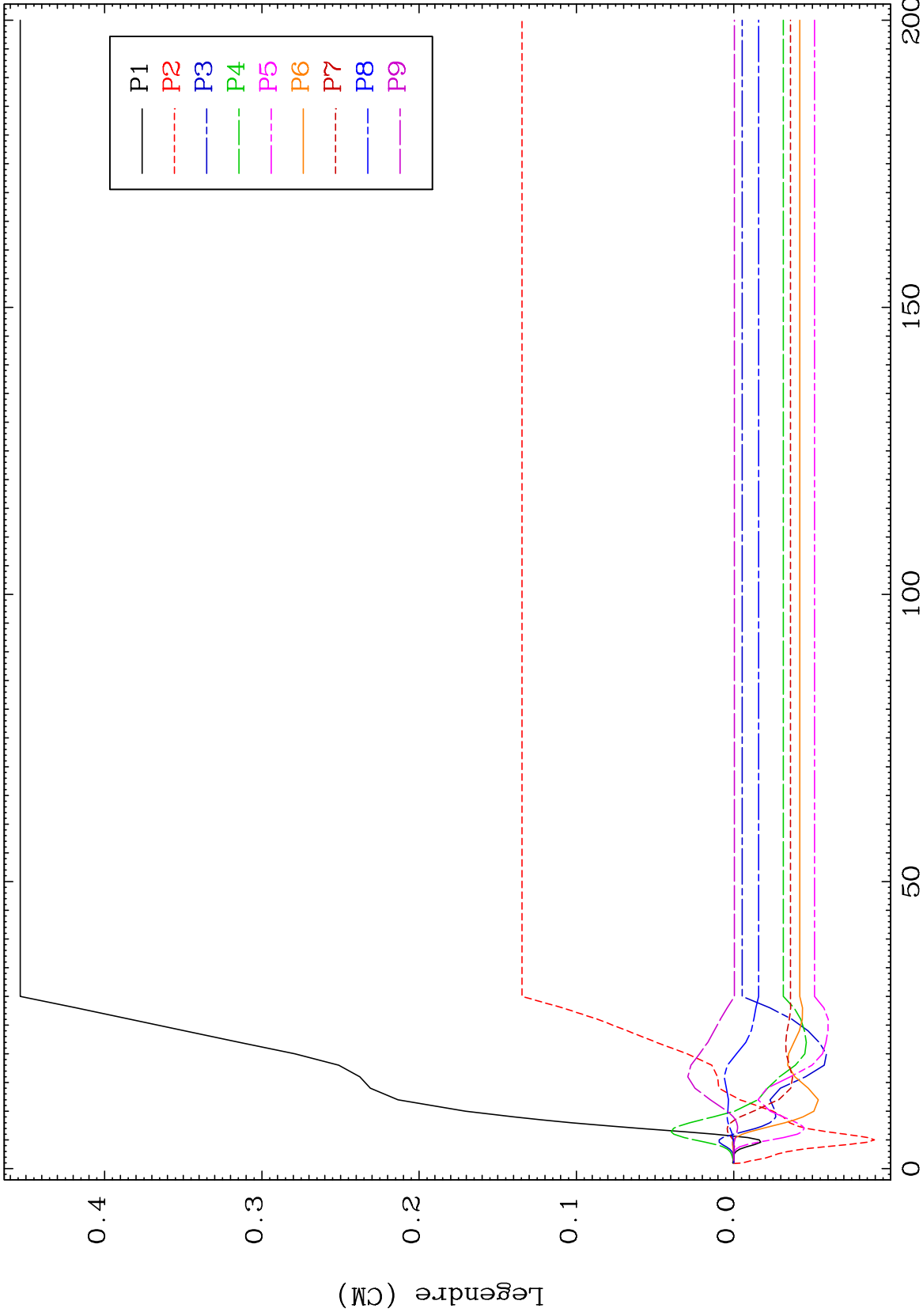
Incident Energy (MeV)

42

MAT 4134

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

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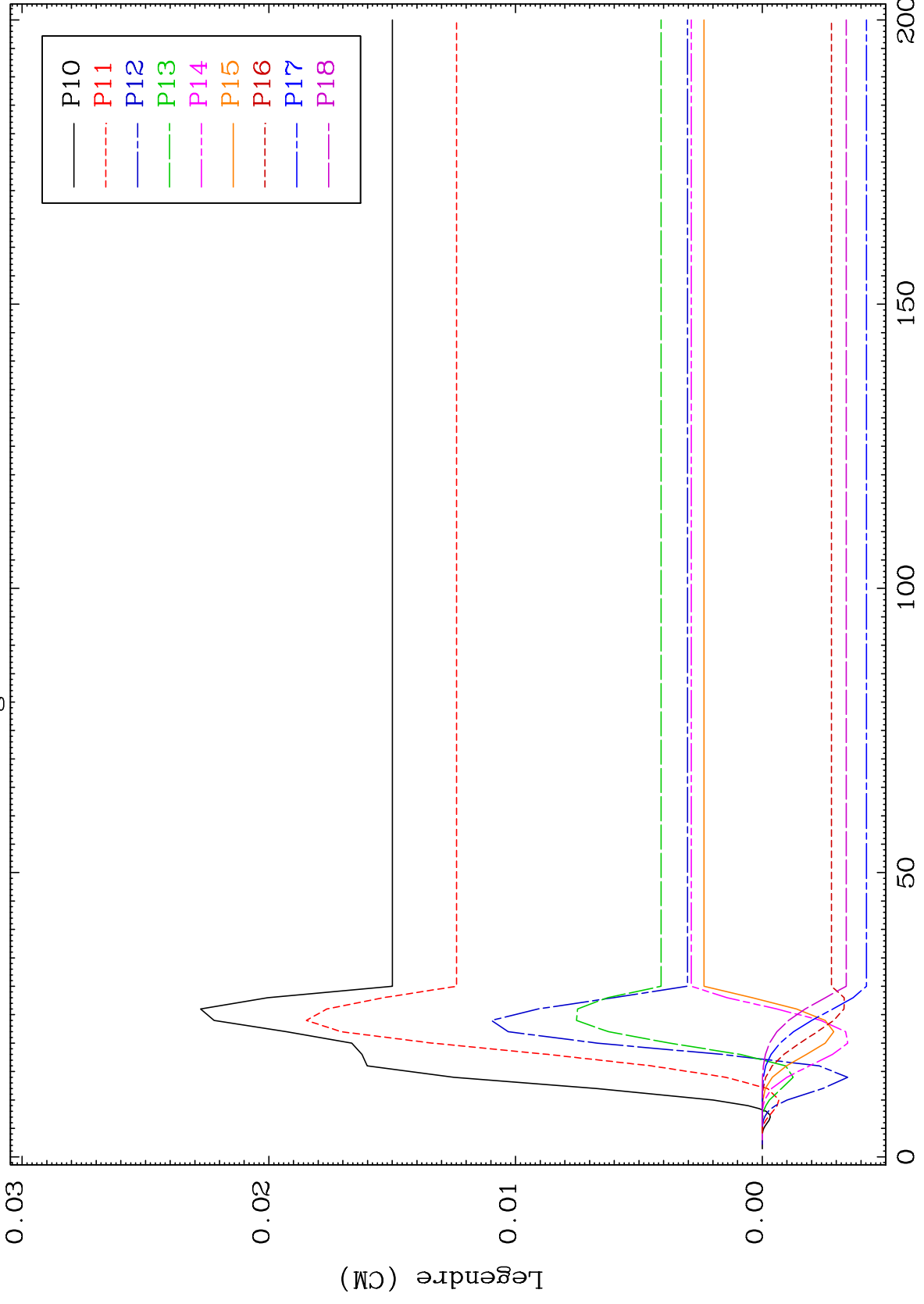


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Incident Energy (MeV)

41-Nb-96

MAT 4134 MT= 58 (n,n') Level Legendre Coefficients 41-Nb-96

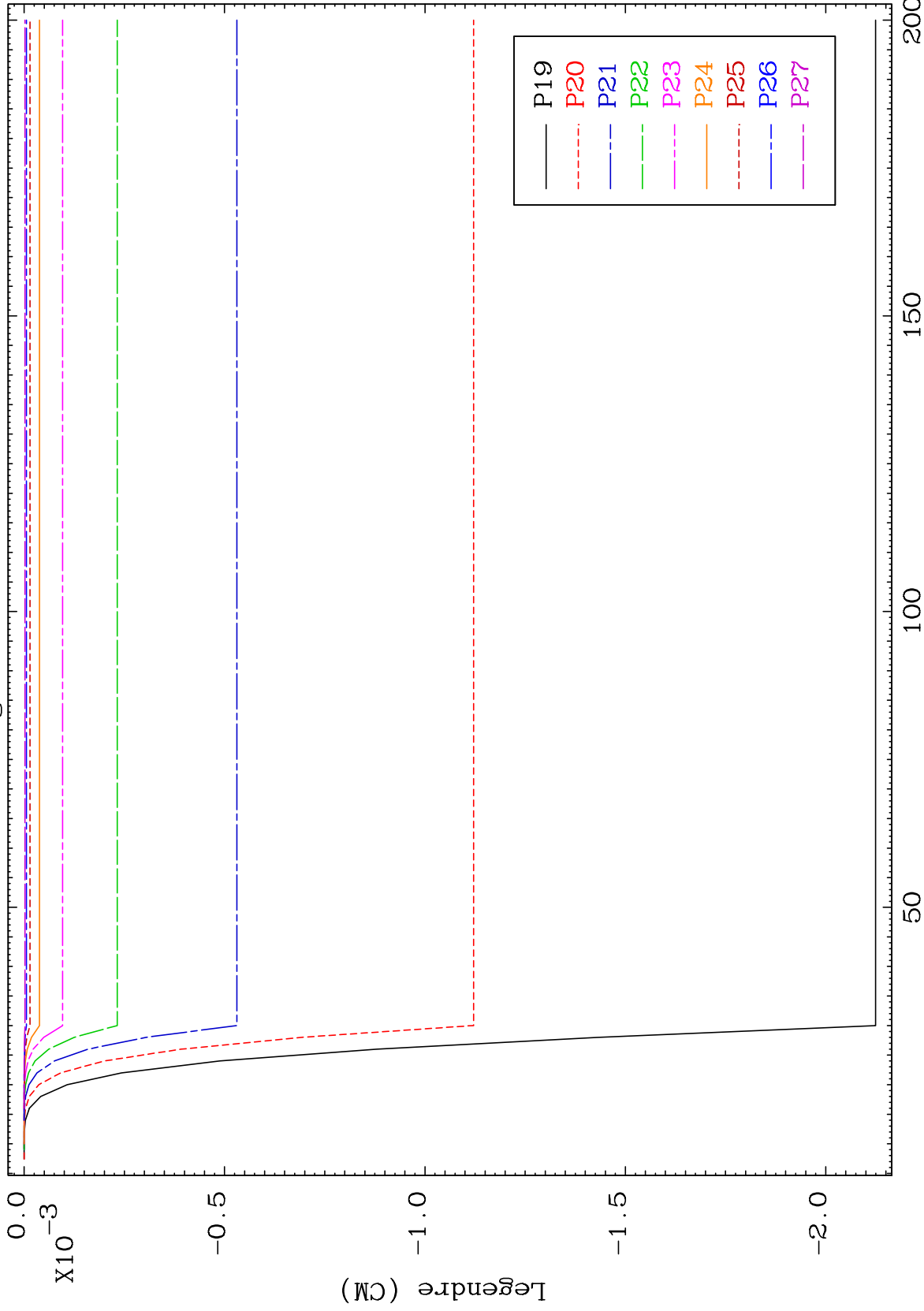


44 41-Nb-96

MAT 4134

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

41-Nb-96



45

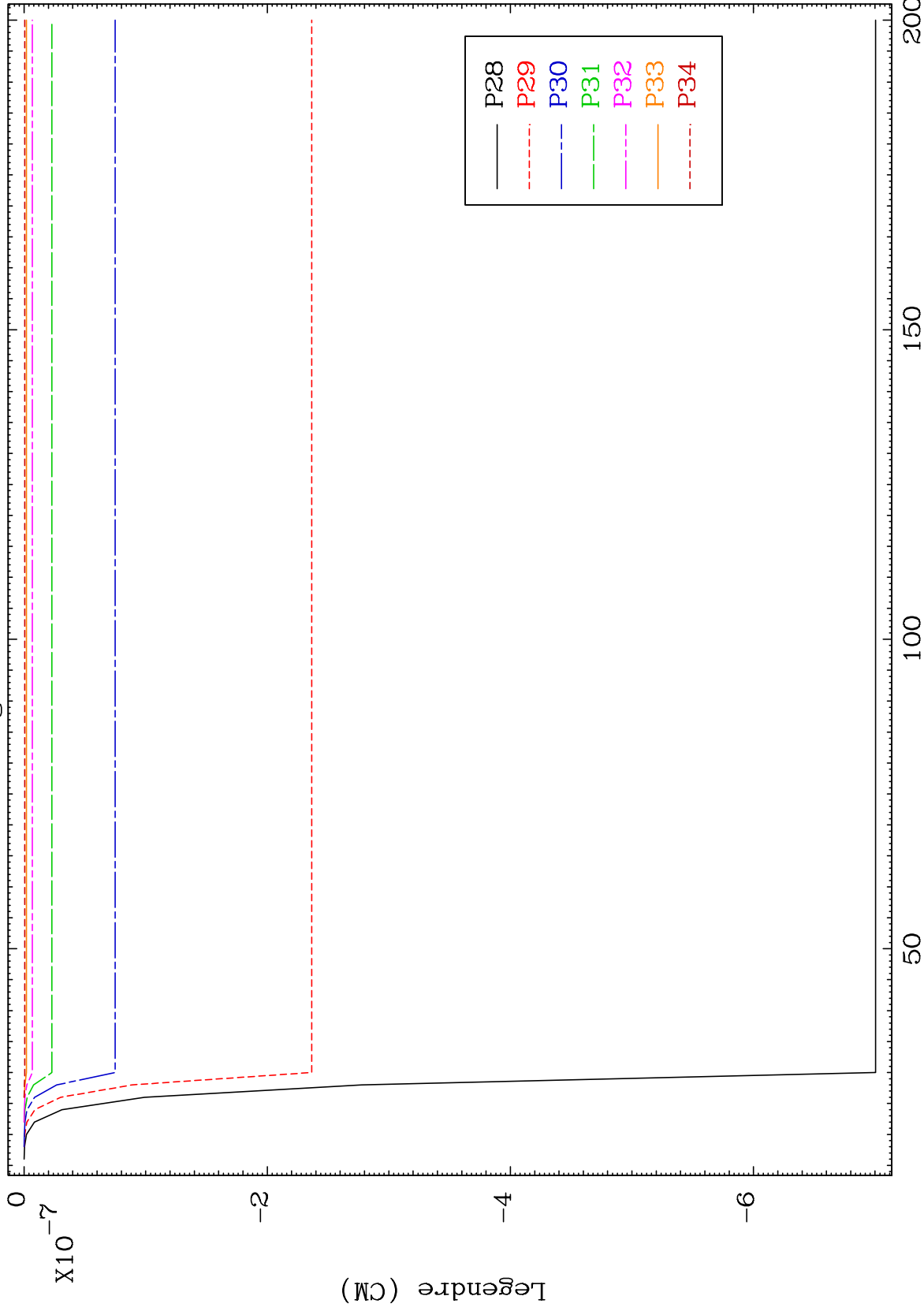
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



41-Nb-96

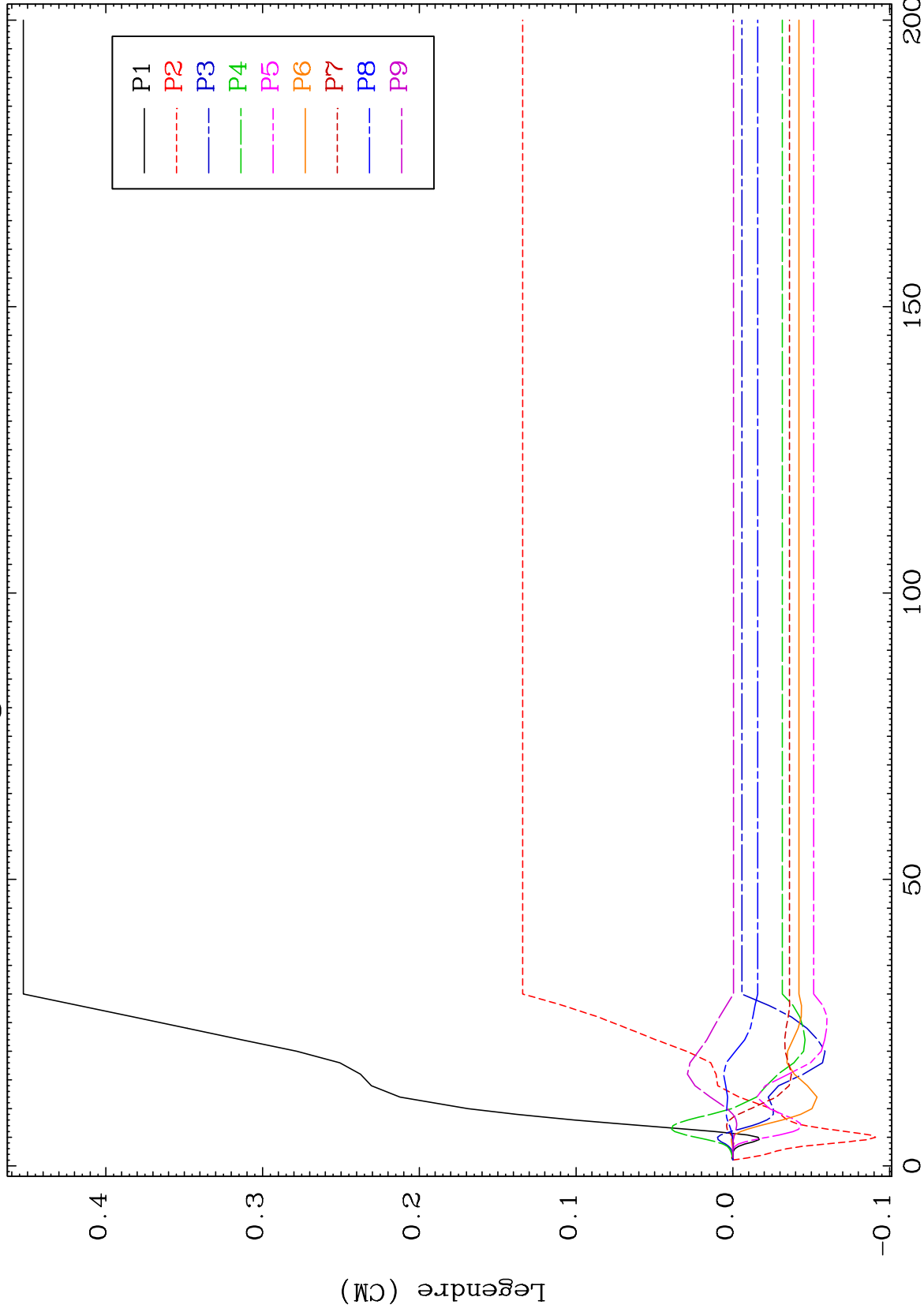
Incident Energy (MeV)

46

MAT 4134

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

41-Nb-96



47

Incident Energy (MeV)

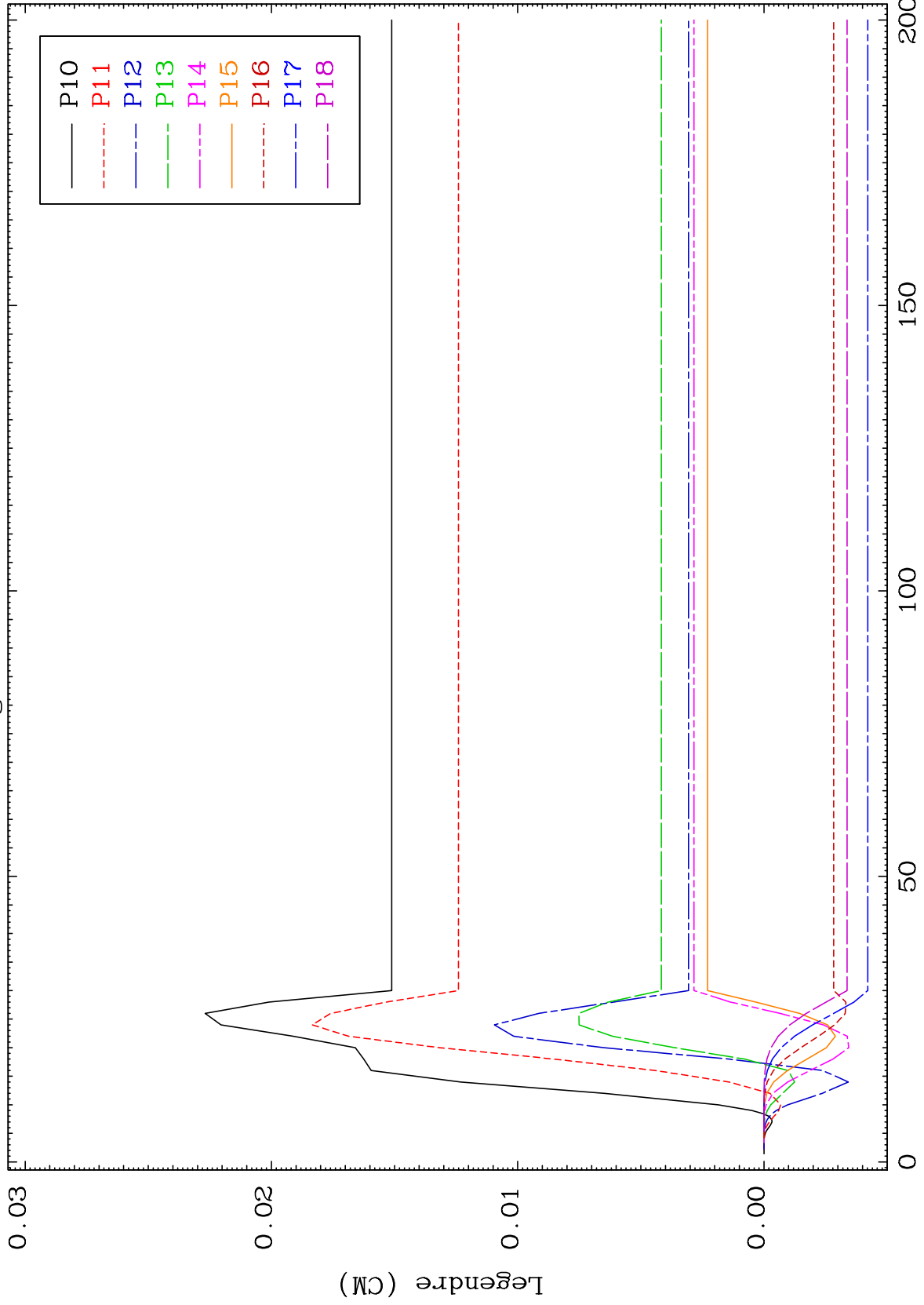
41-Nb-96



MAT 4134

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

41-Nb-96



48

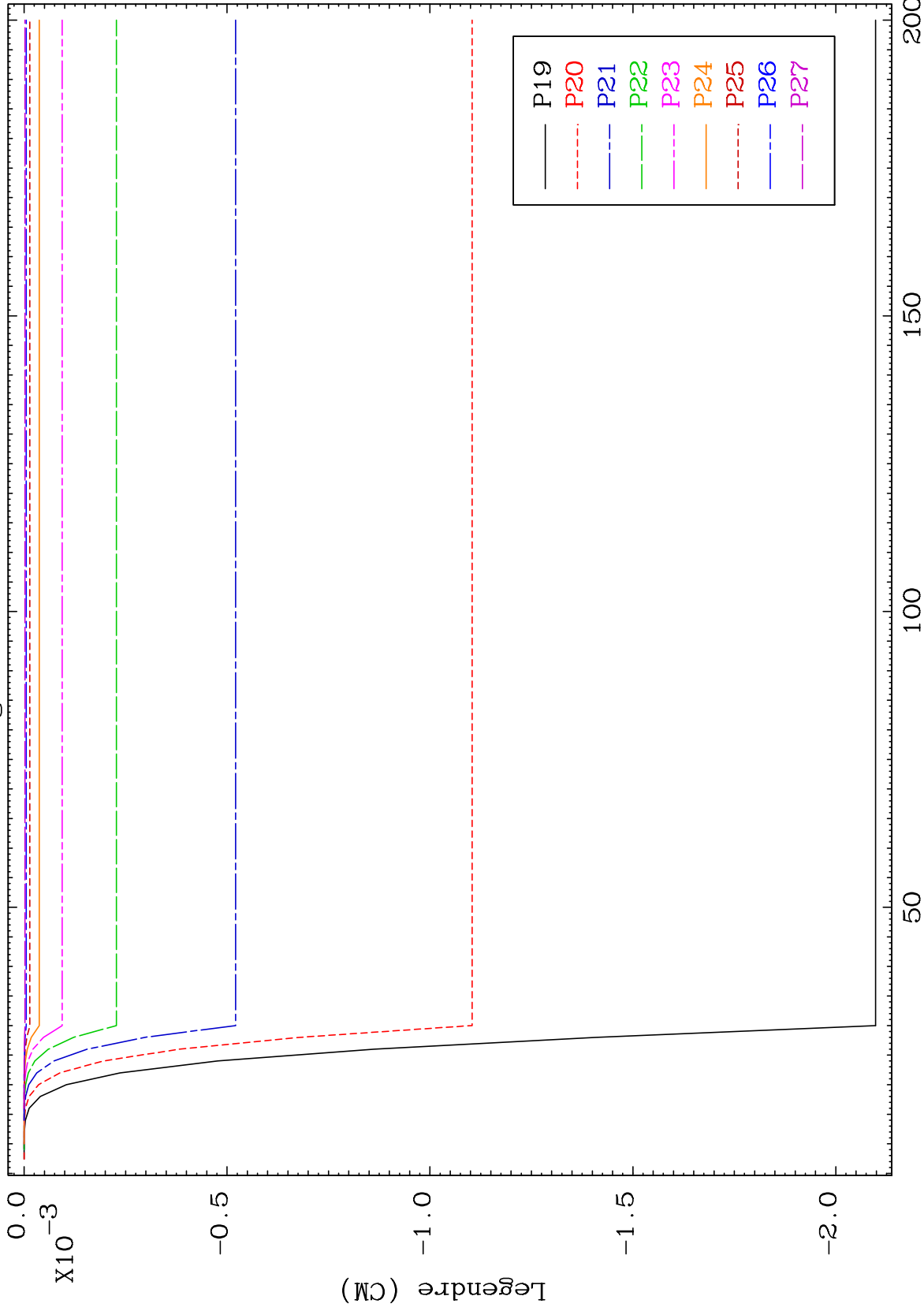
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



49

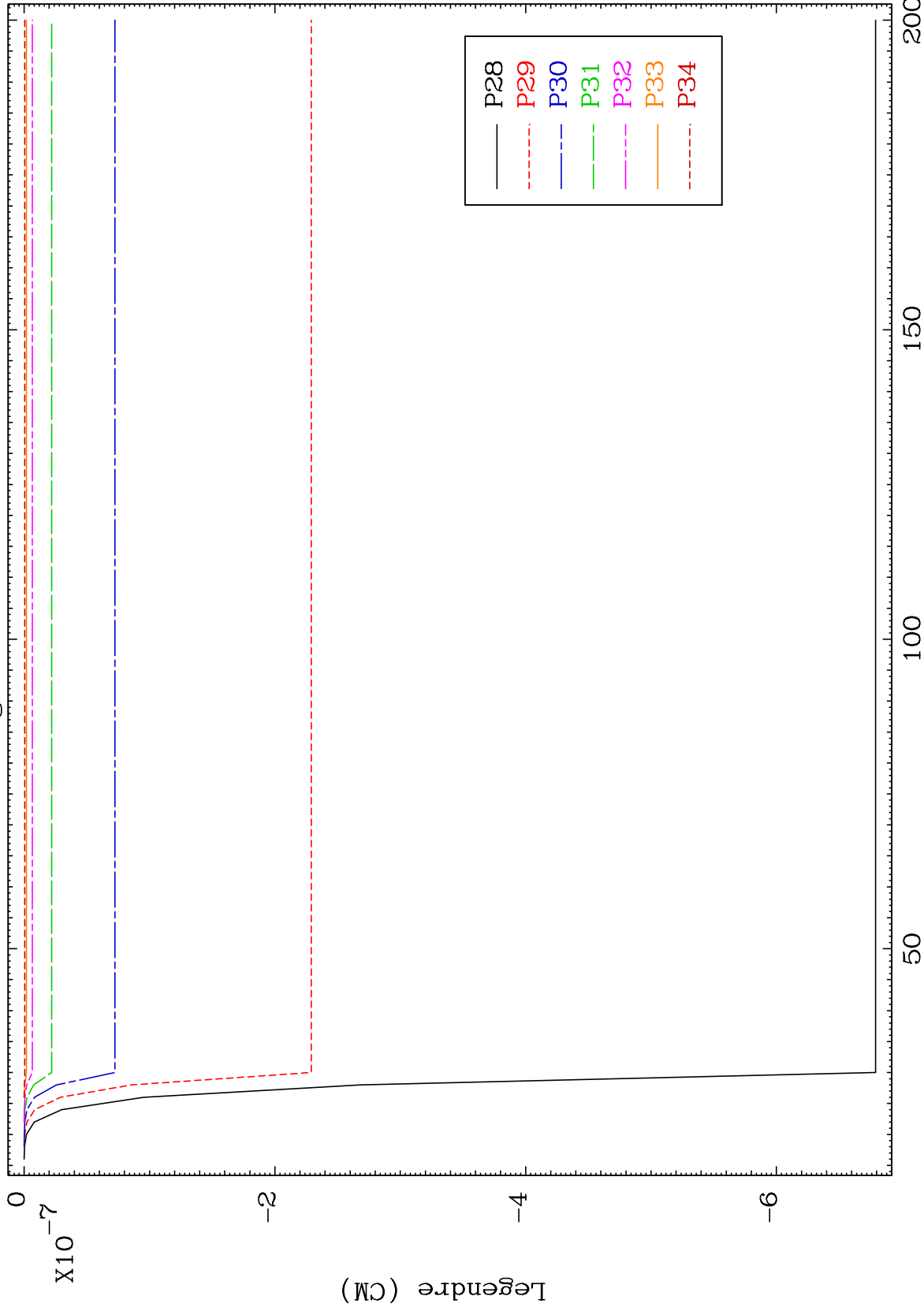
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



41-Nb-96

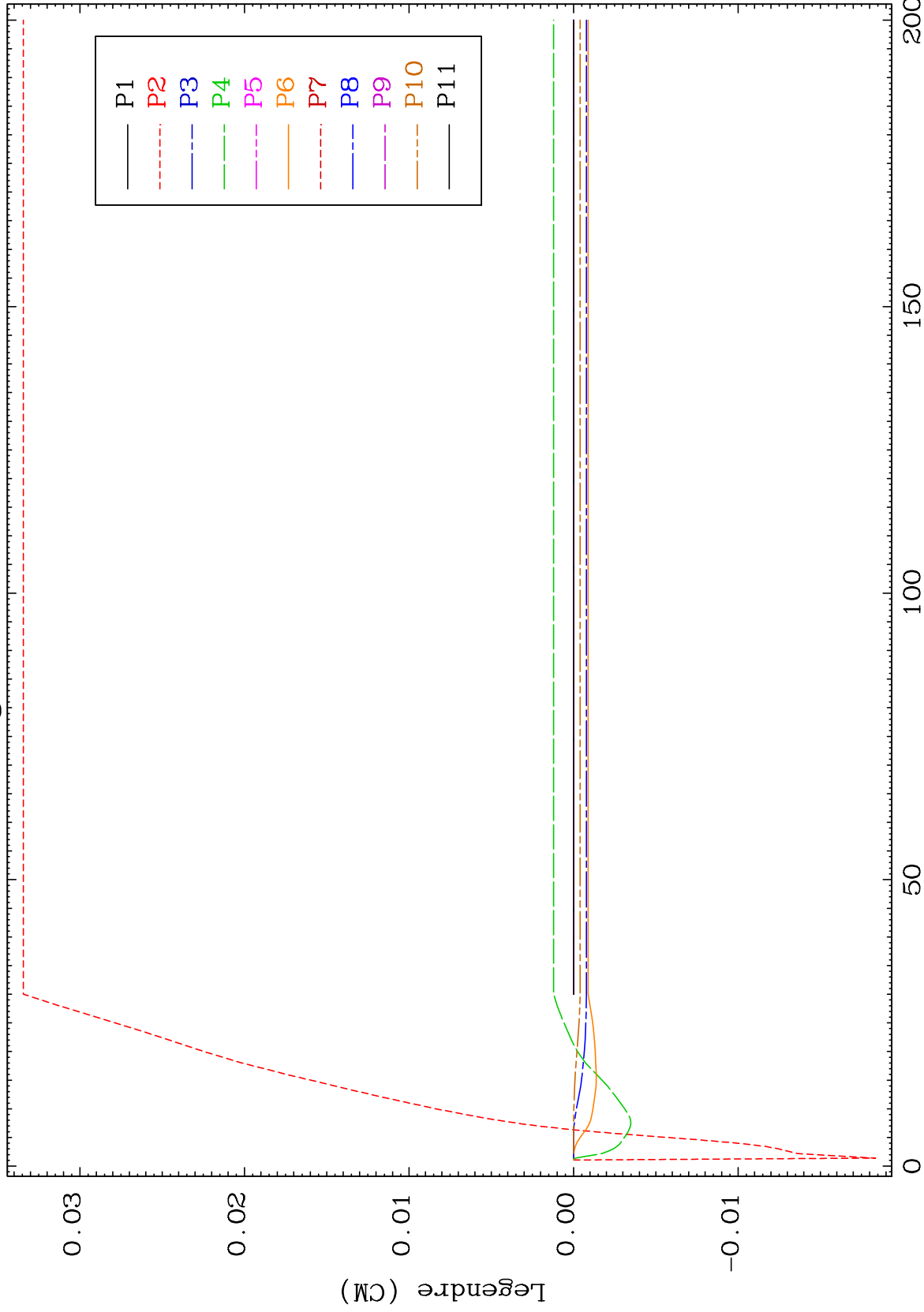
Incident Energy (MeV)

50

MAT 4134

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

41-Nb-96



51

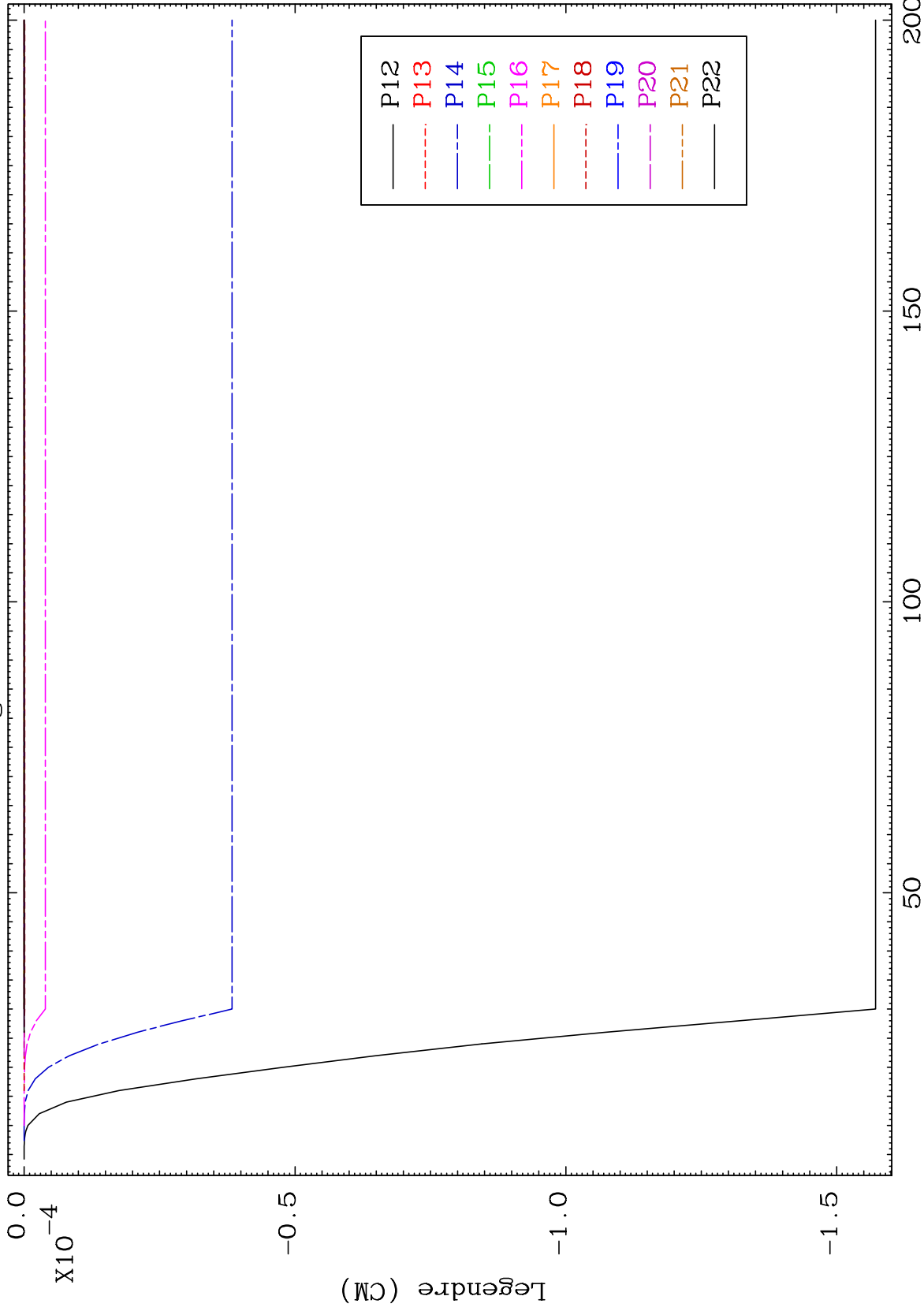
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96

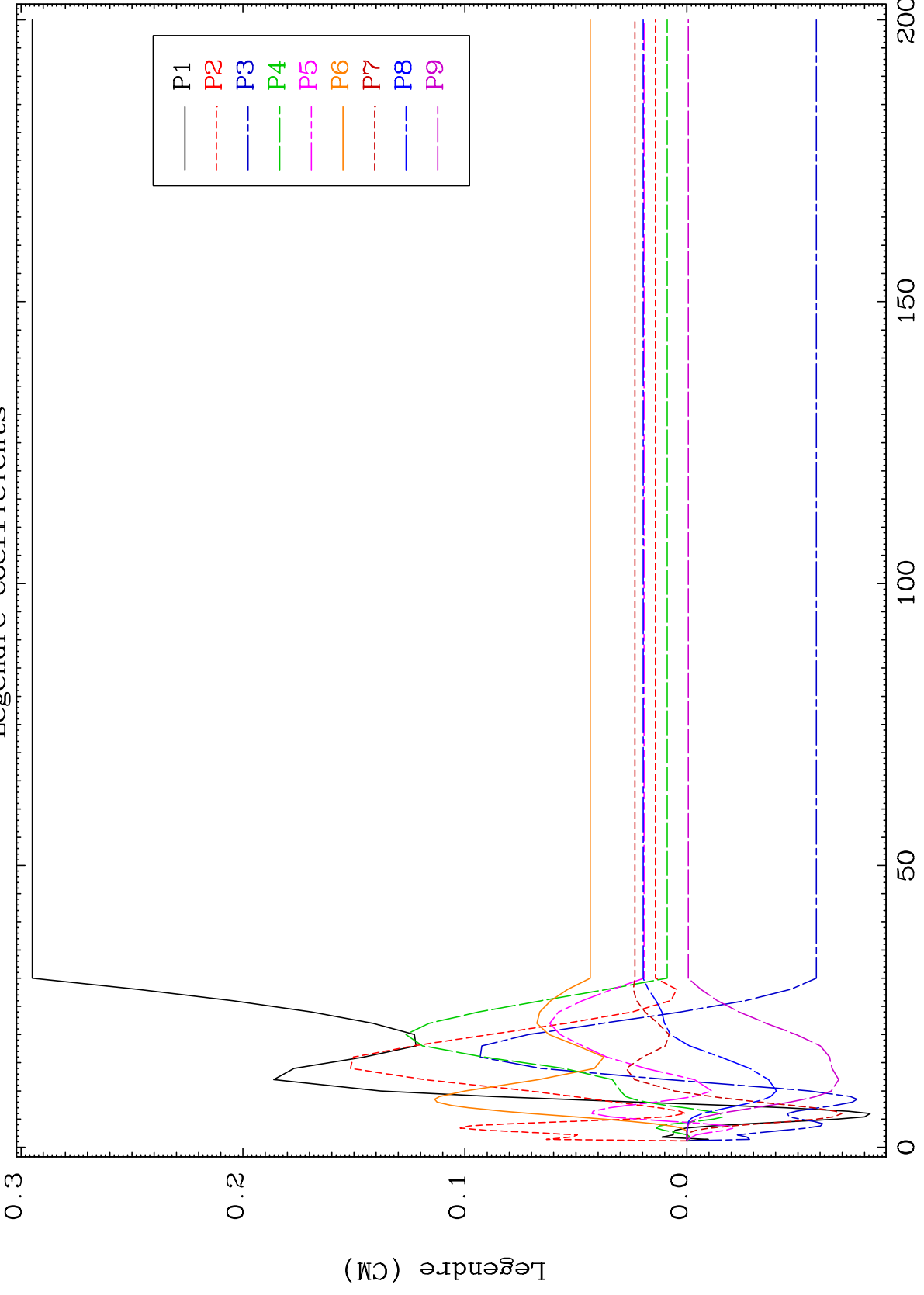


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Incident Energy (MeV)

41-Nb-96

MAT 4134 MT= 61 (n,n') Level Legendre Coefficients 41-Nb-96

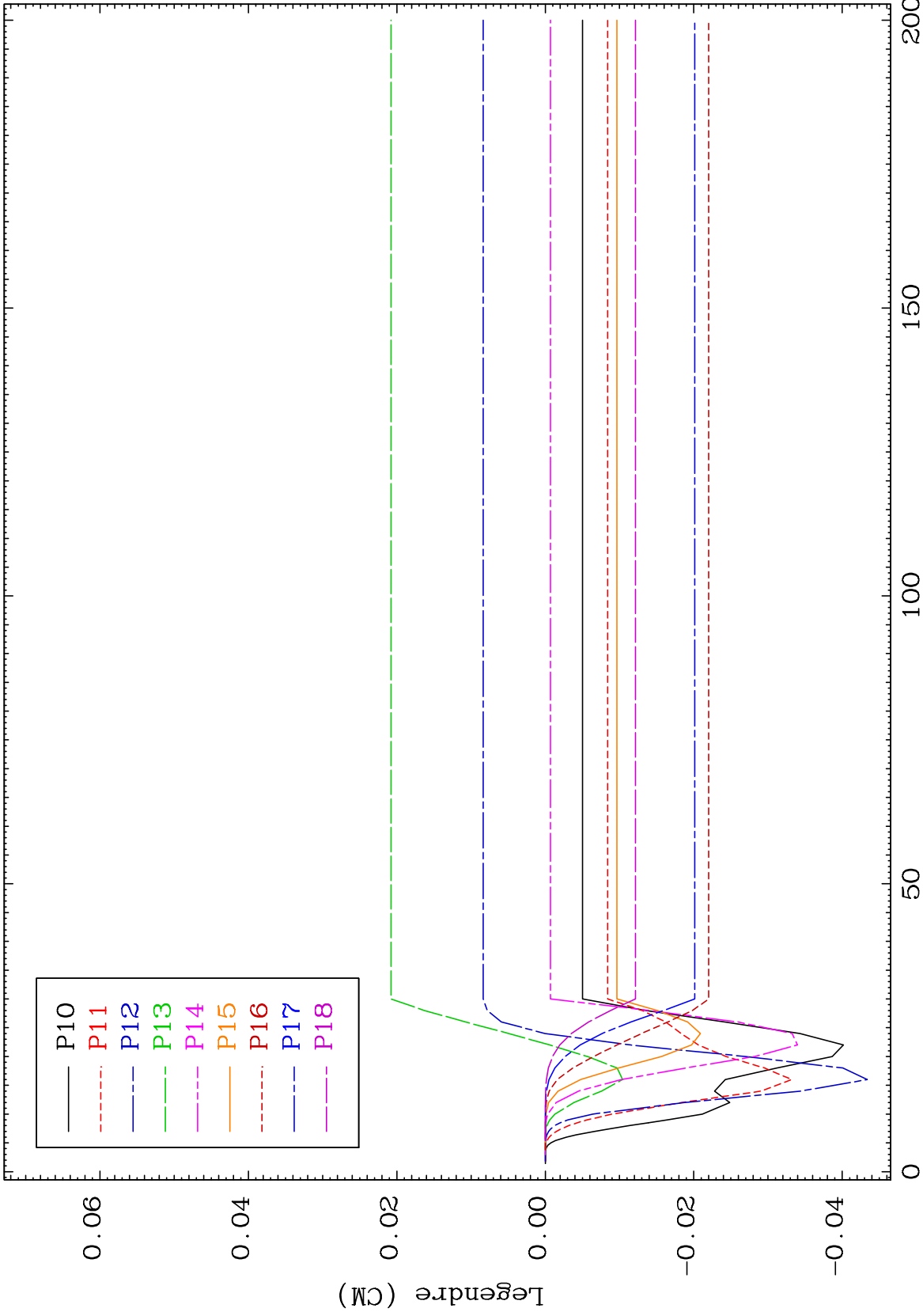


53 41-Nb-96

MAT 4134

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

41-Nb-96

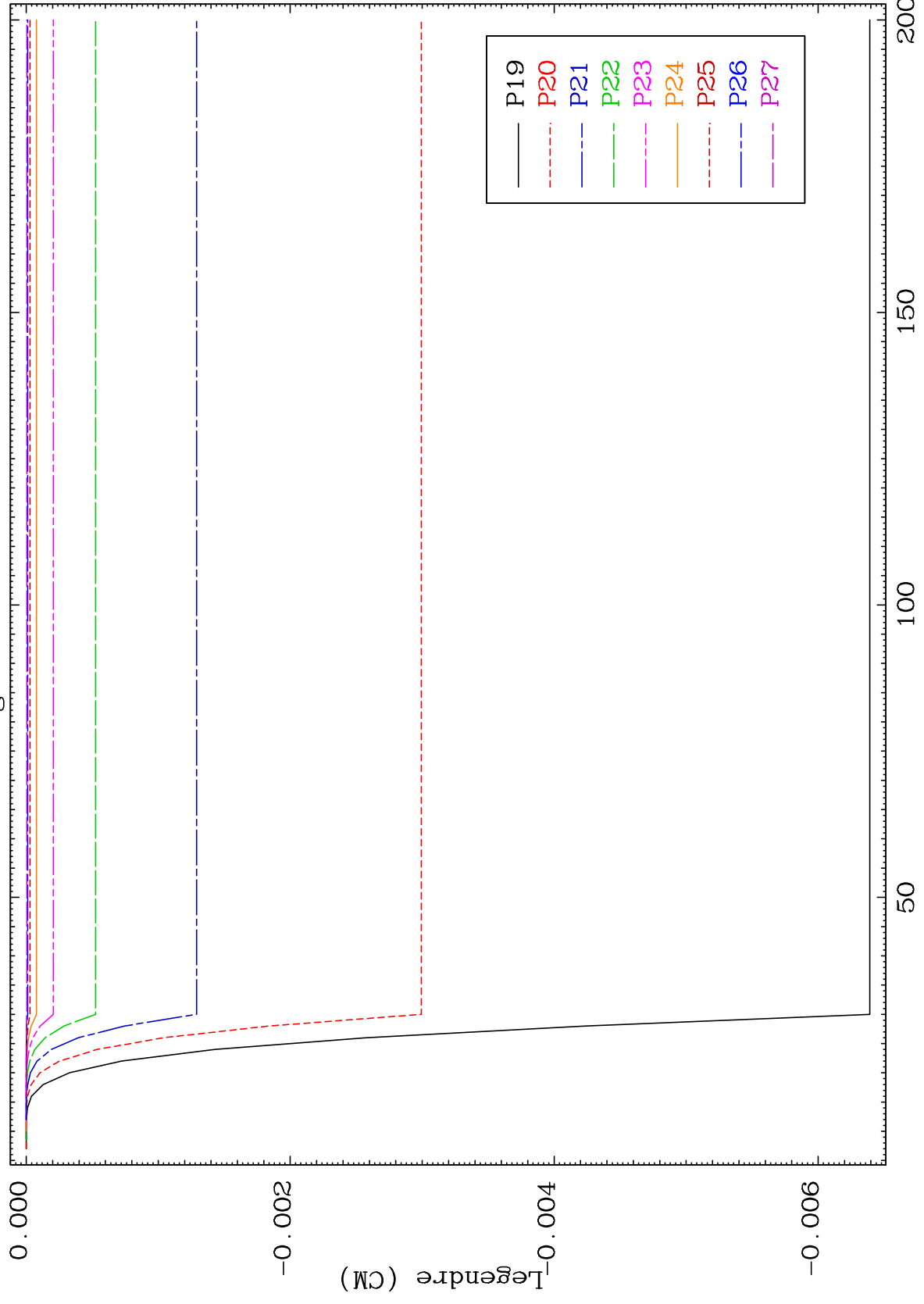


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Incident Energy (MeV)

41-Nb-96

MAT 4134 MT= 61 (n,n') Level Legendre Coefficients 41-Nb-96

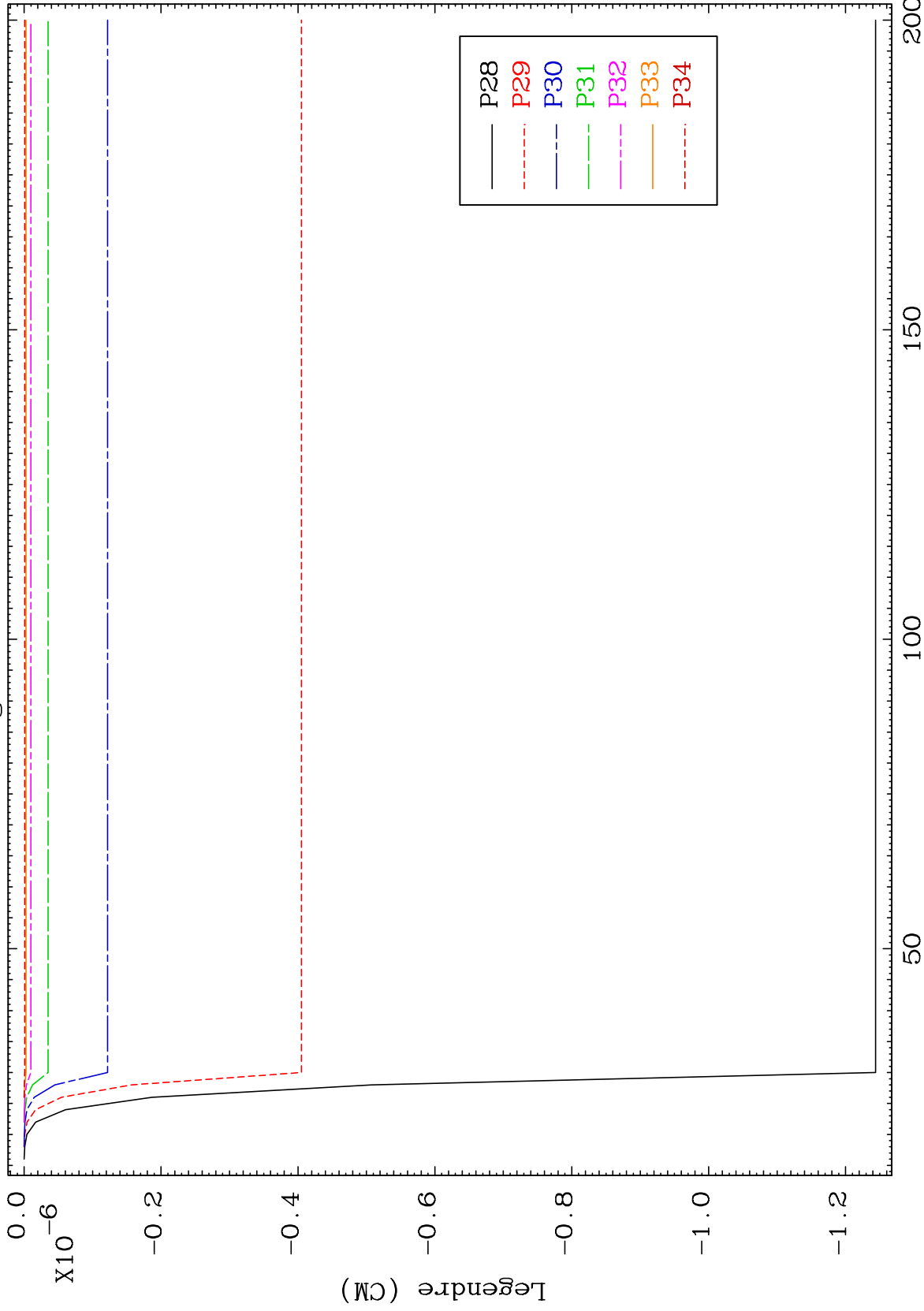




MAT 4134

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

41-Nb-96



41-Nb-96

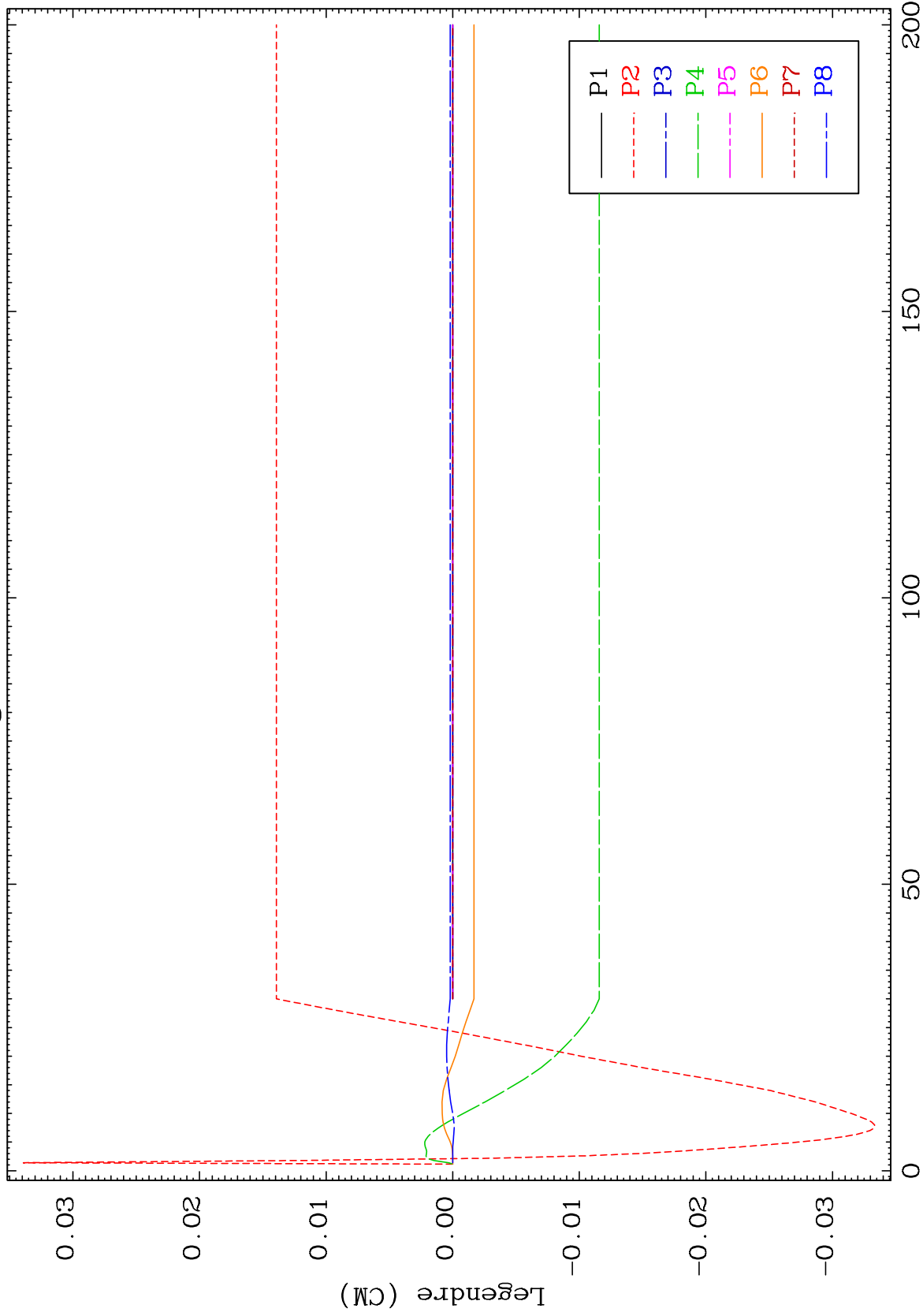
Incident Energy (MeV)

56

MAT 4134

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

41-Nb-96



57

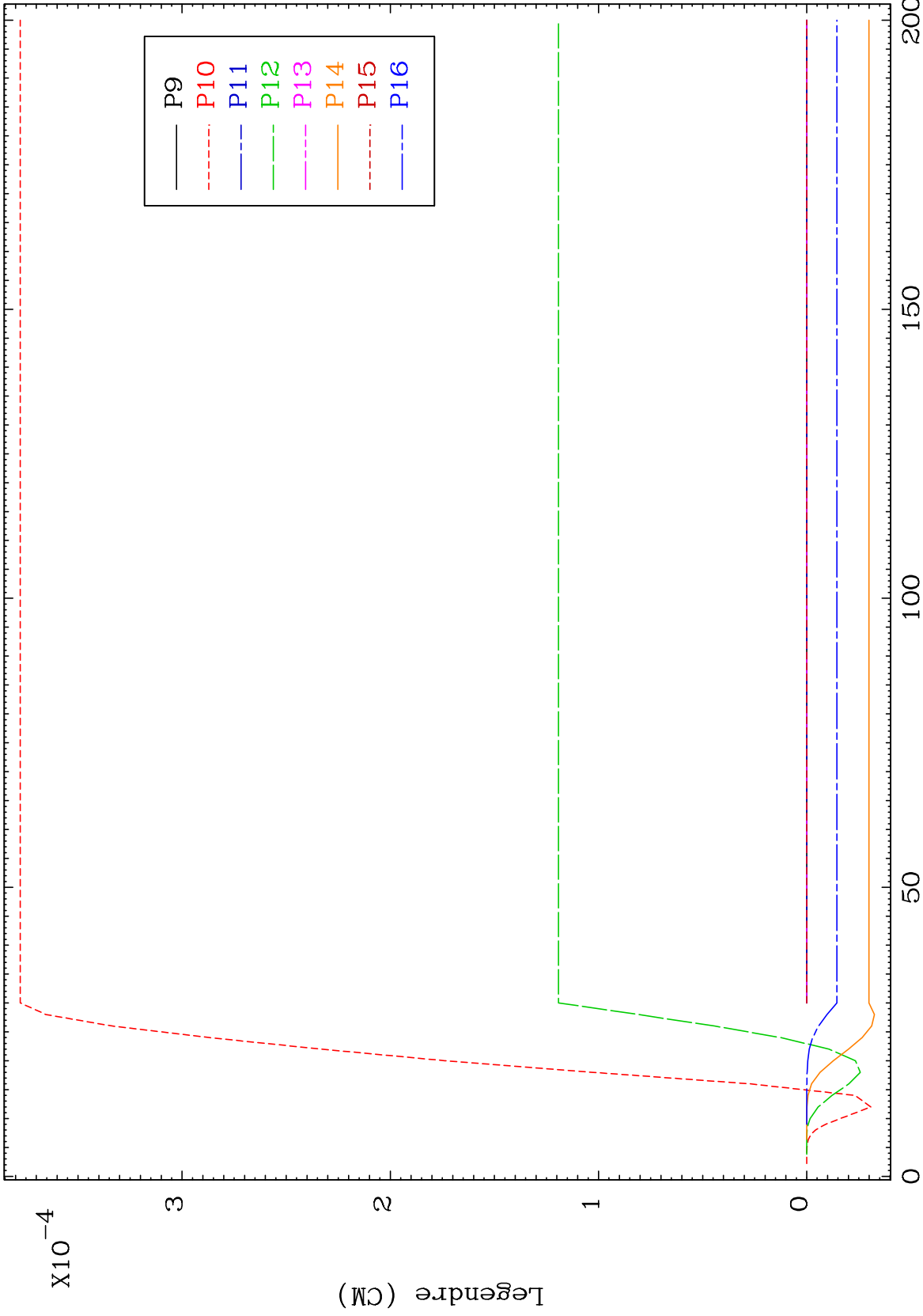
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



58

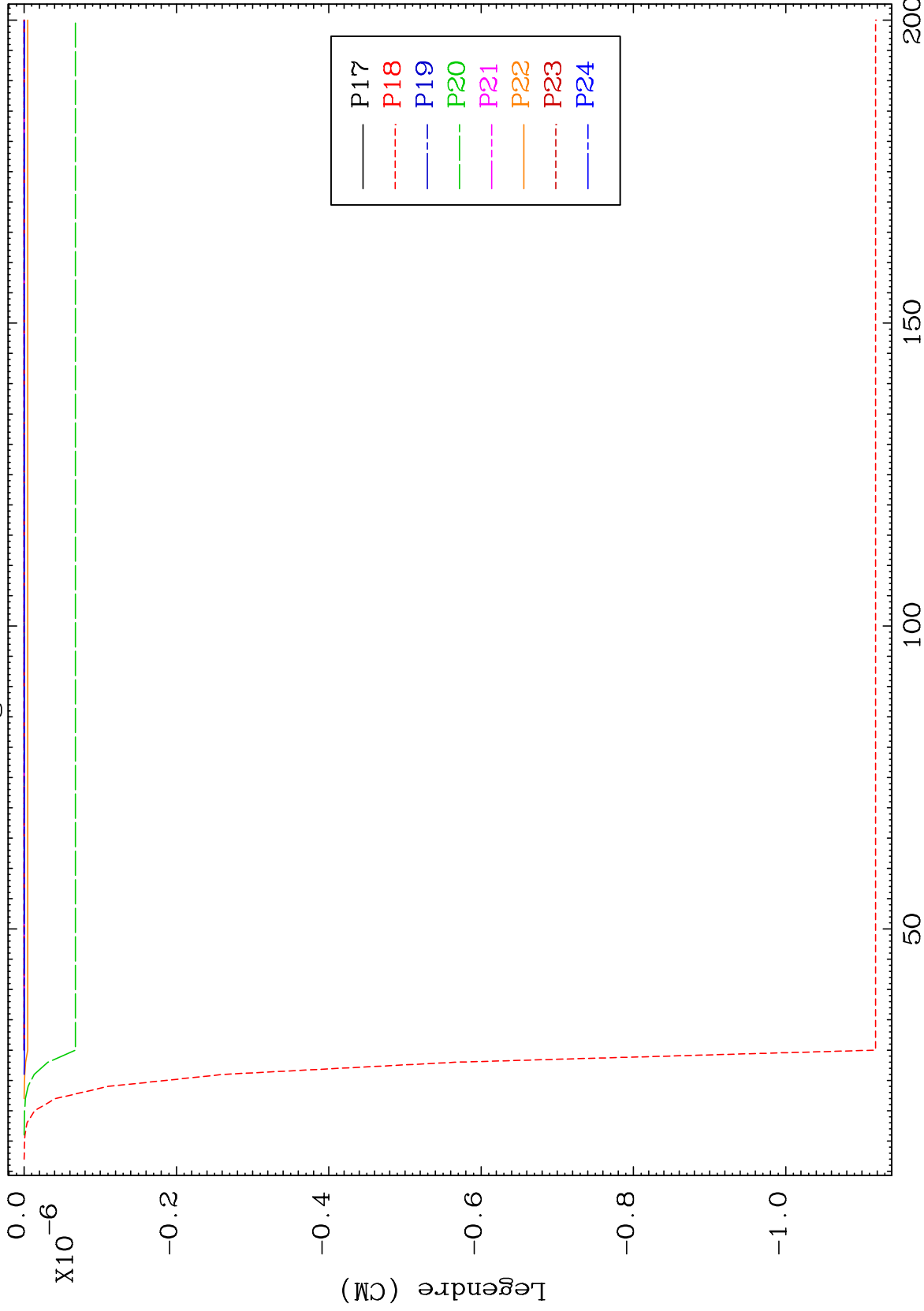
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



41-Nb-96

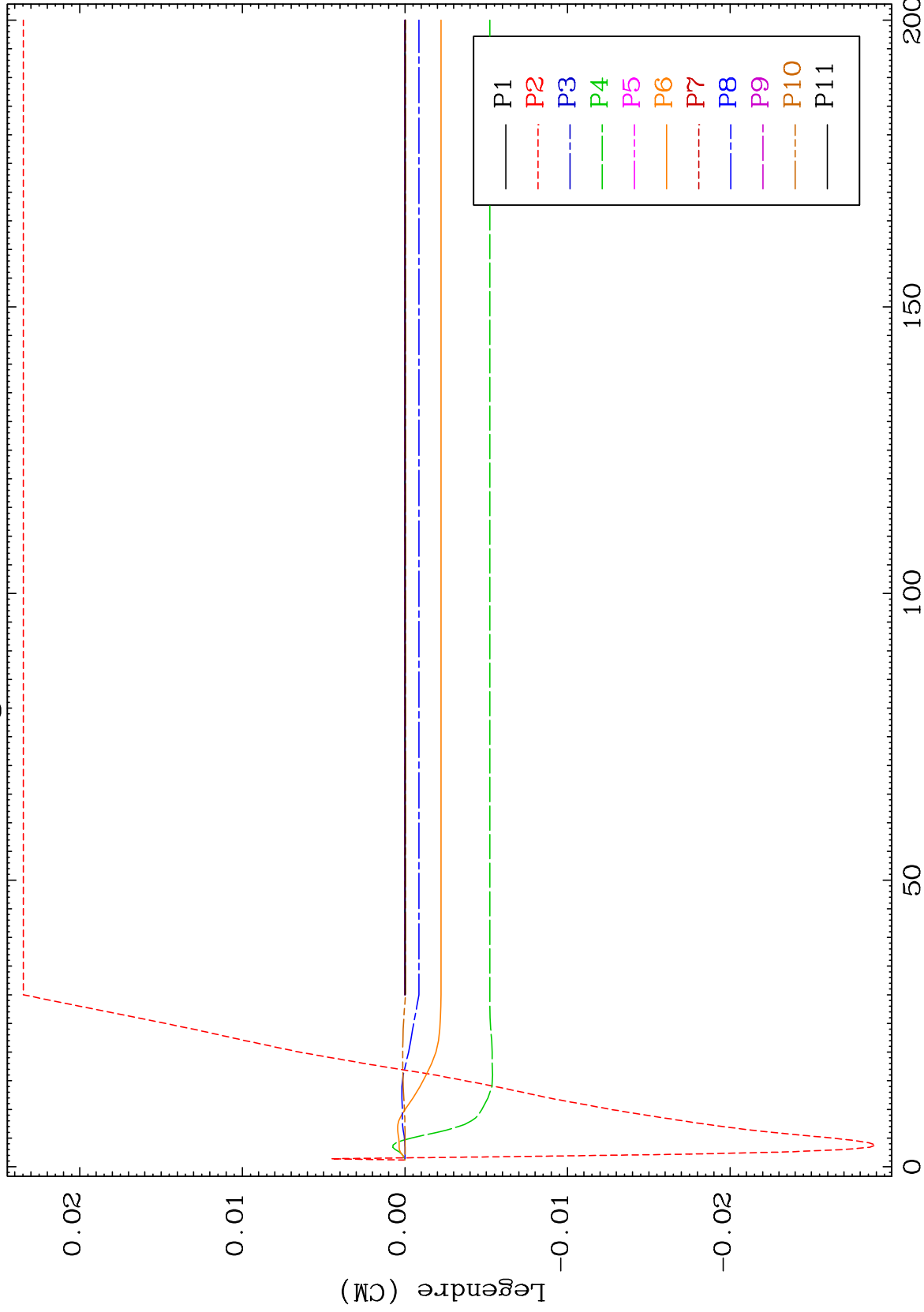
Incident Energy (MeV)

59

MAT 4134

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

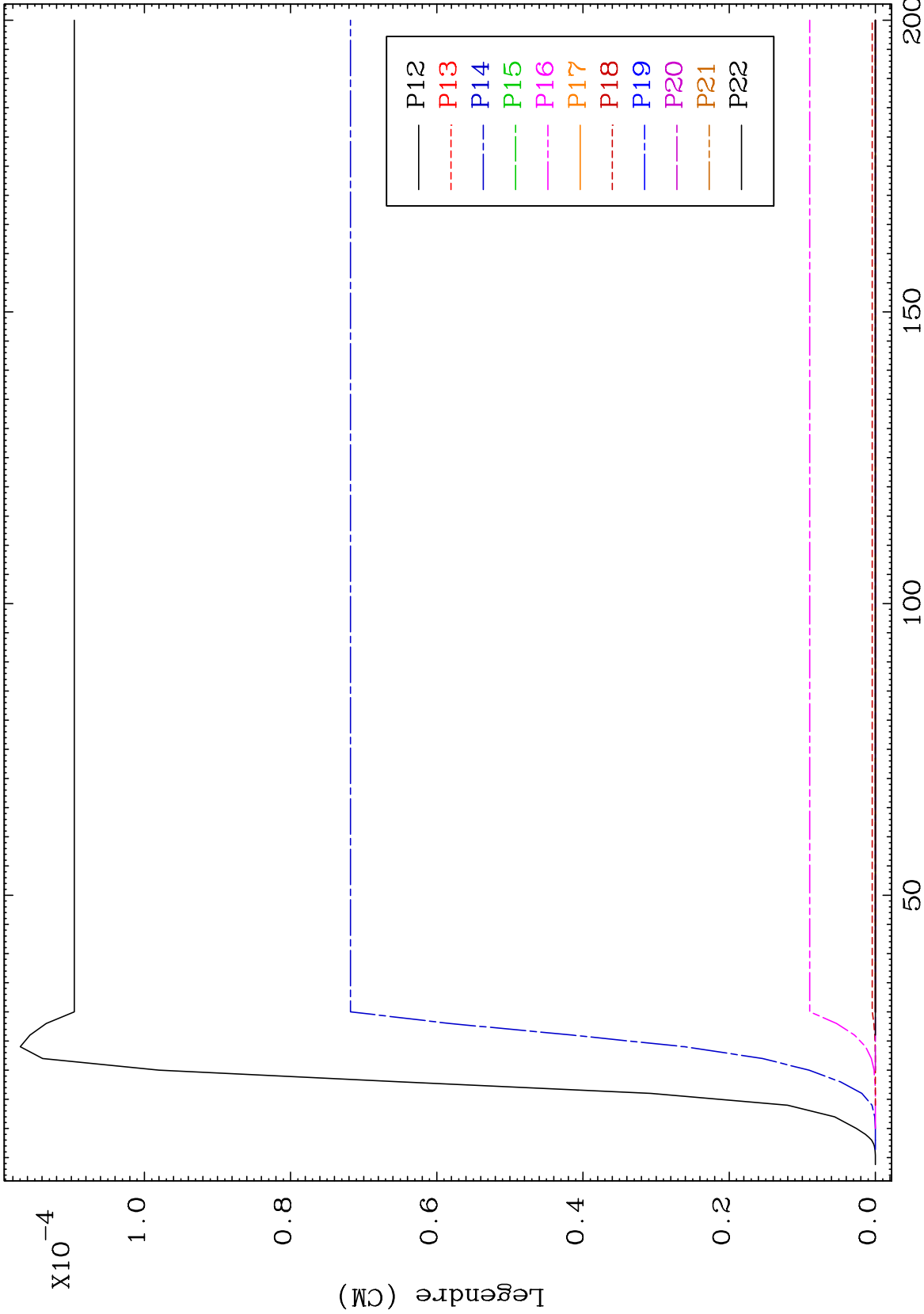
41-Nb-96



60

Incident Energy (MeV)

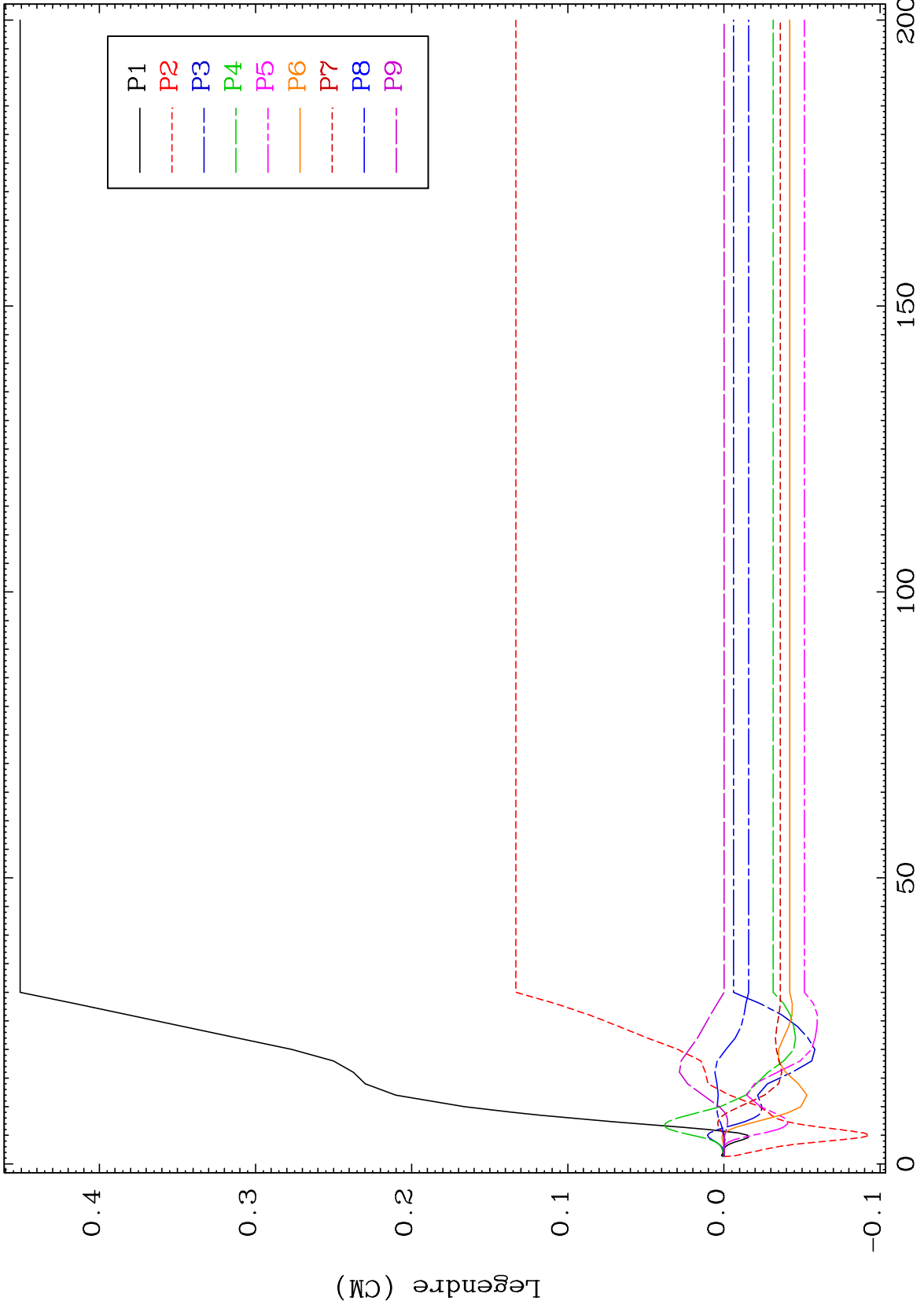
41-Nb-96



MAT 4134

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

41-Nb-96



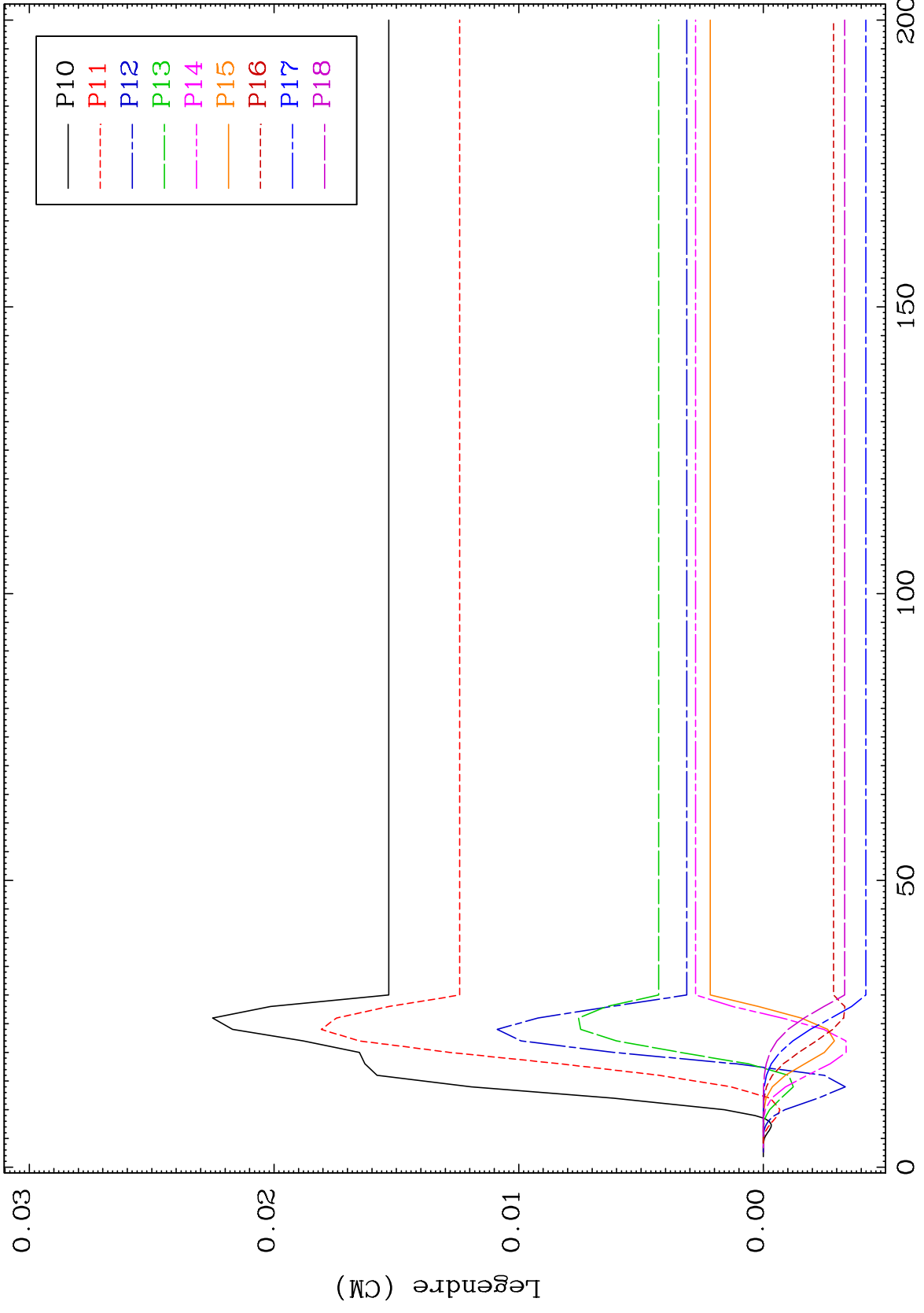
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41-Nb-96

MAT 4134

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

41-Nb-96



63

Incident Energy (MeV)

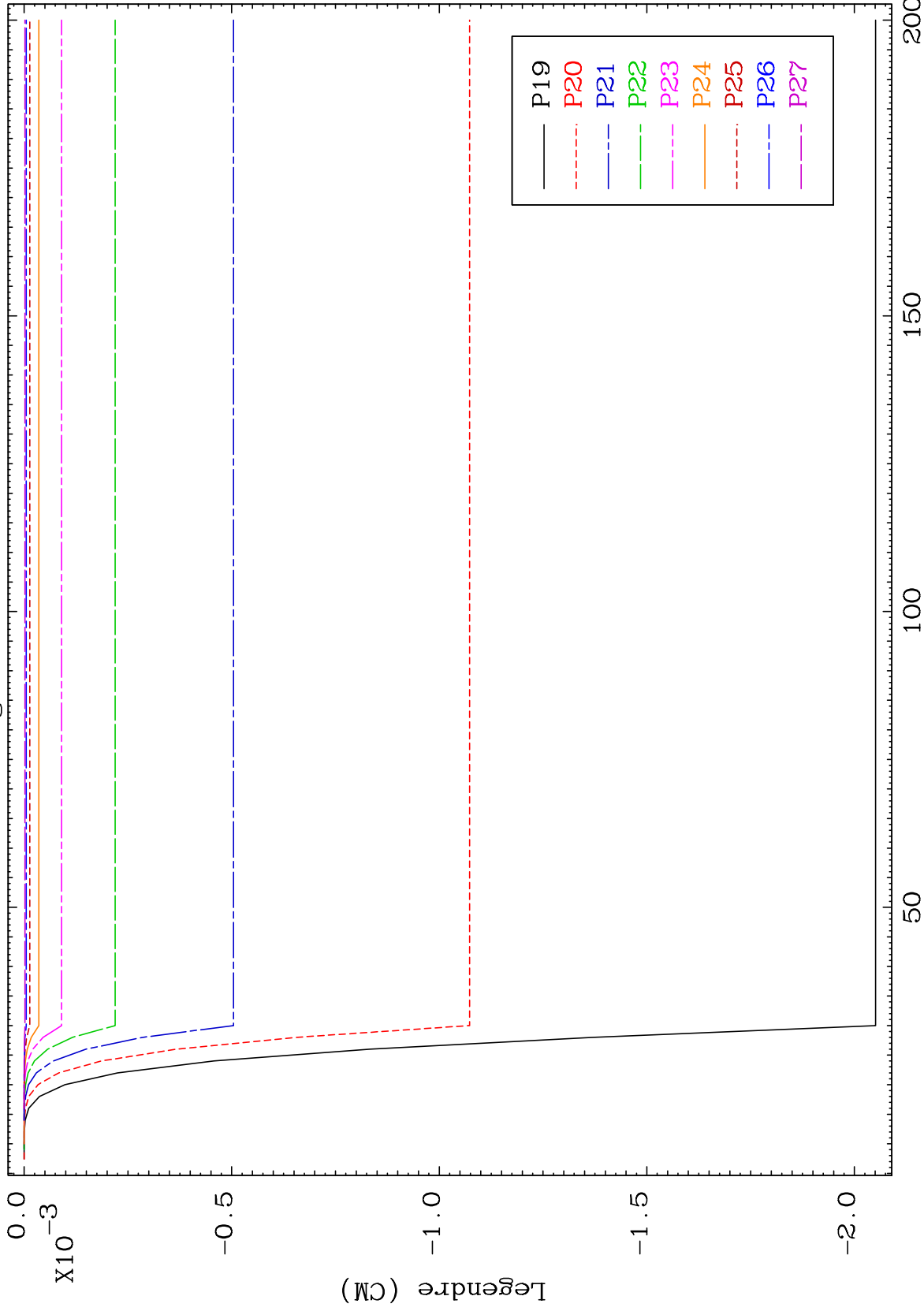
41-Nb-96



MAT 4134

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

41-Nb-96



64

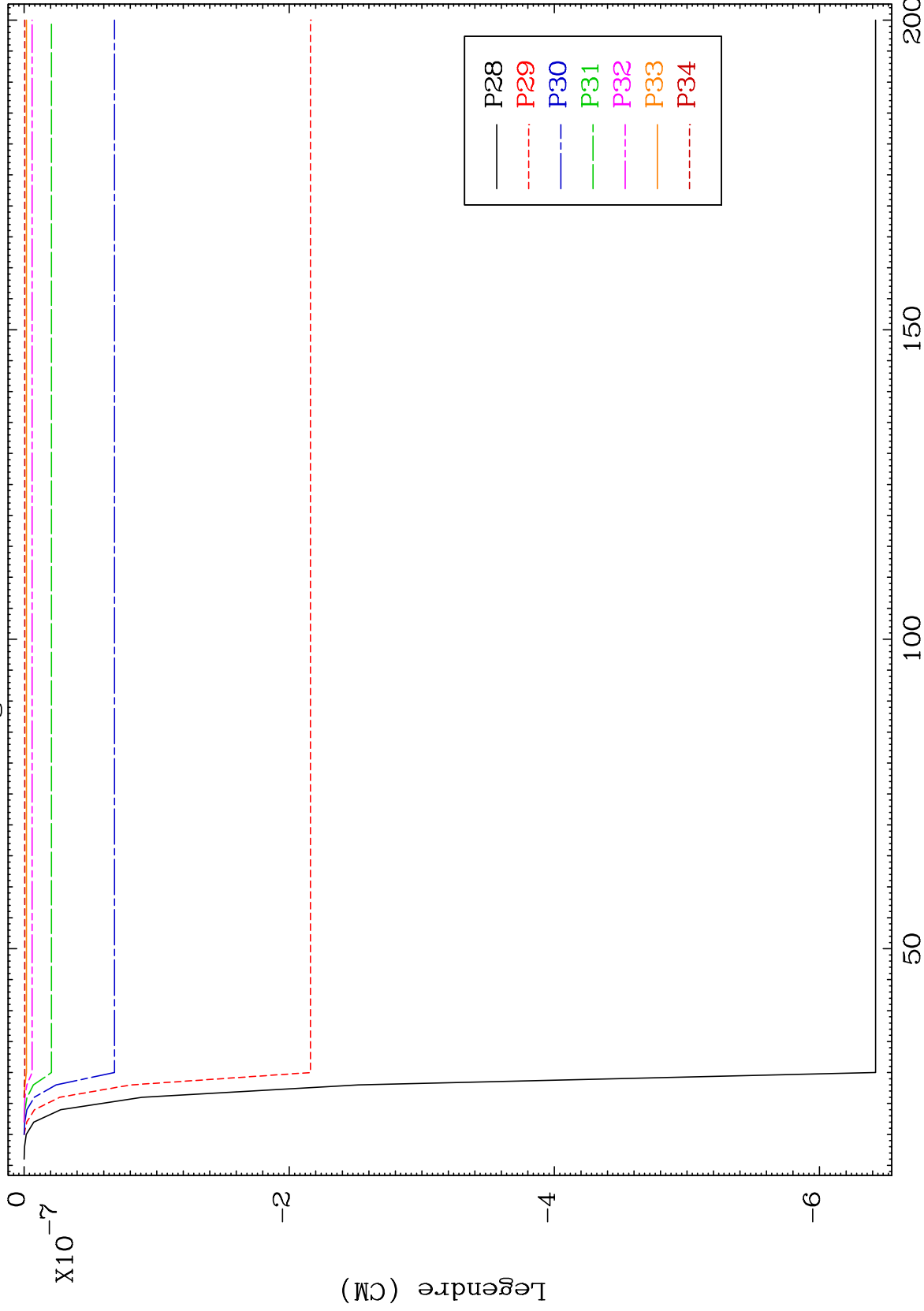
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



65

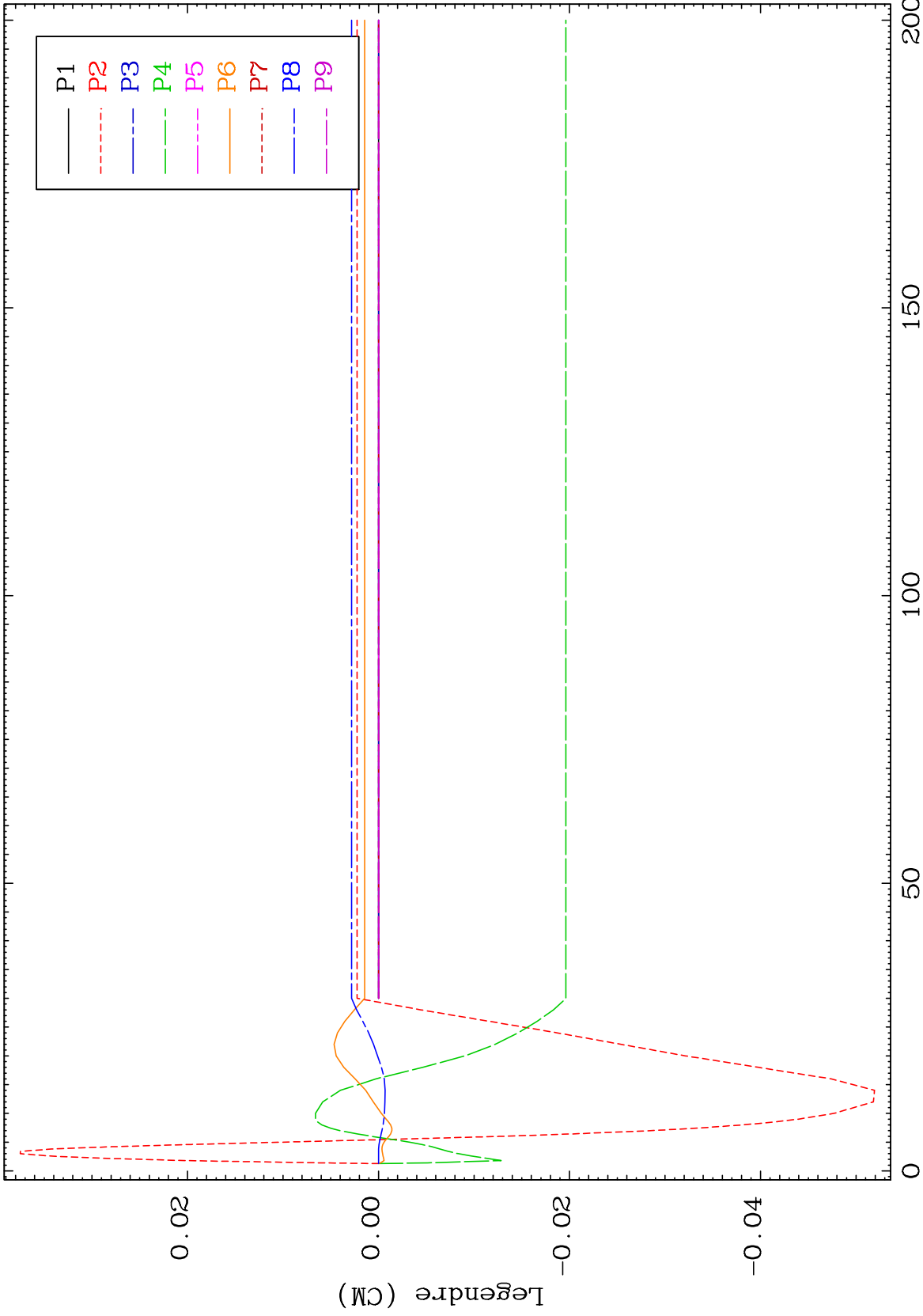
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



66

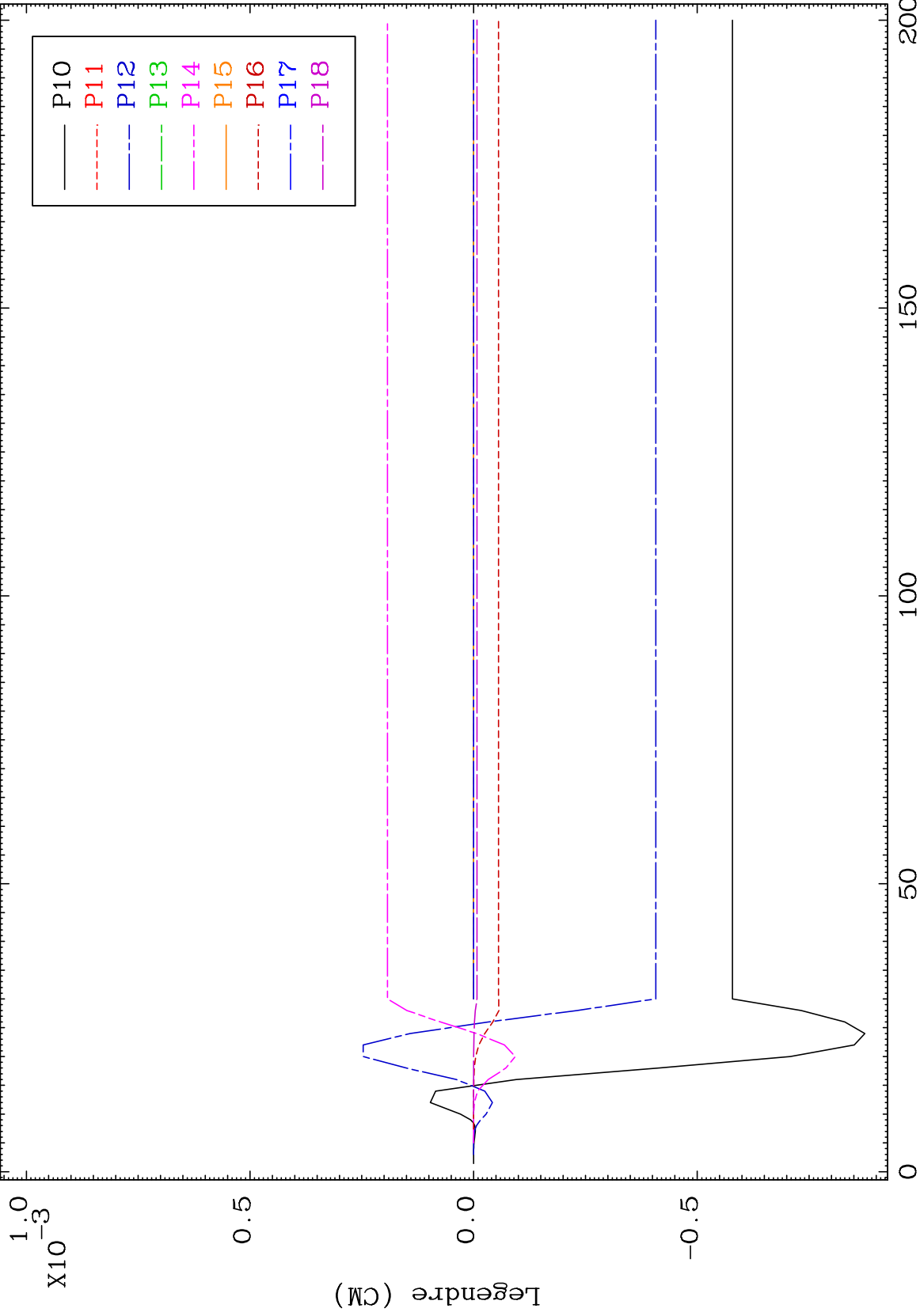
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



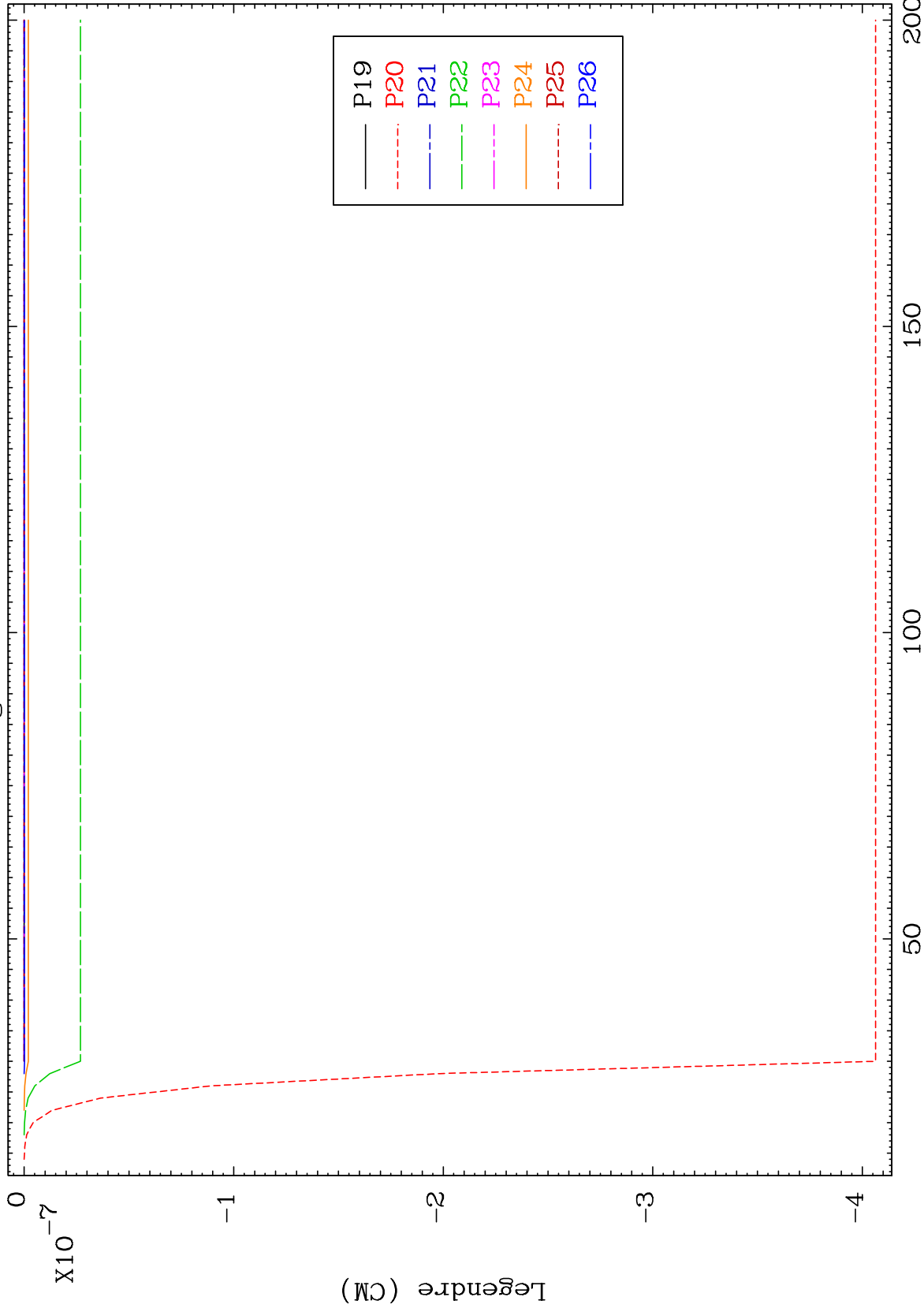
67

41-Nb-96

MAT 4134

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

41-Nb-96



68

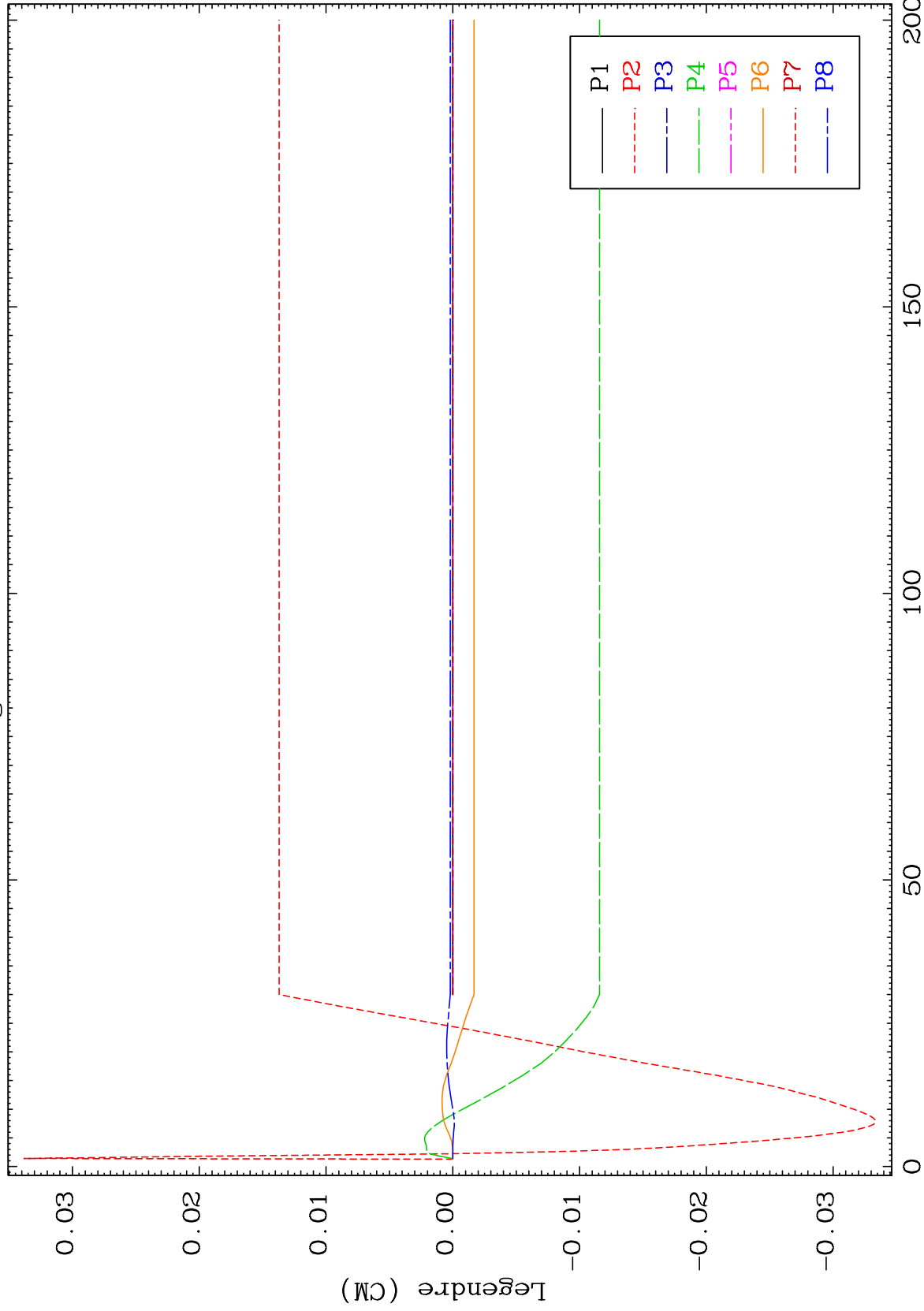
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



69

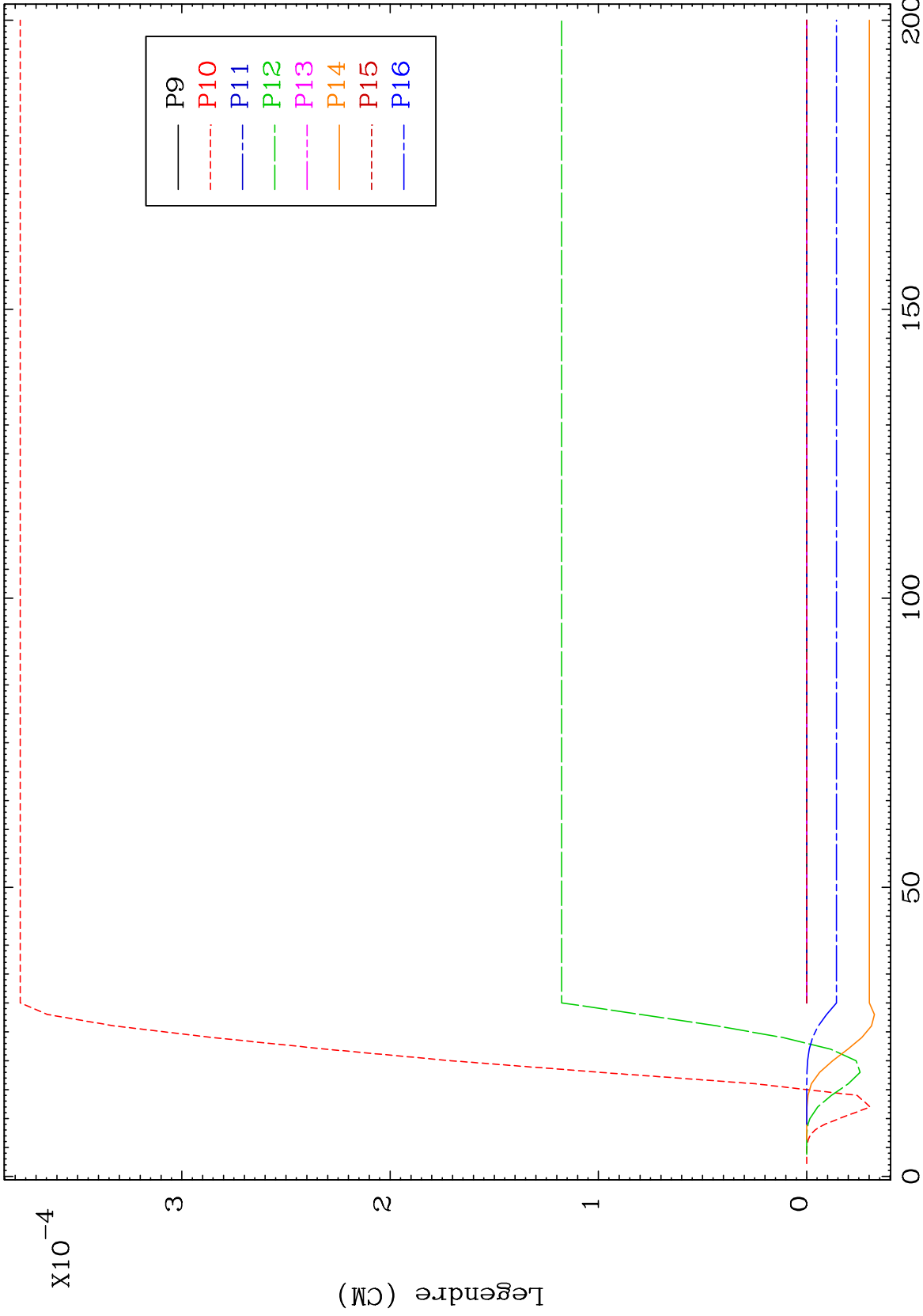
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



70

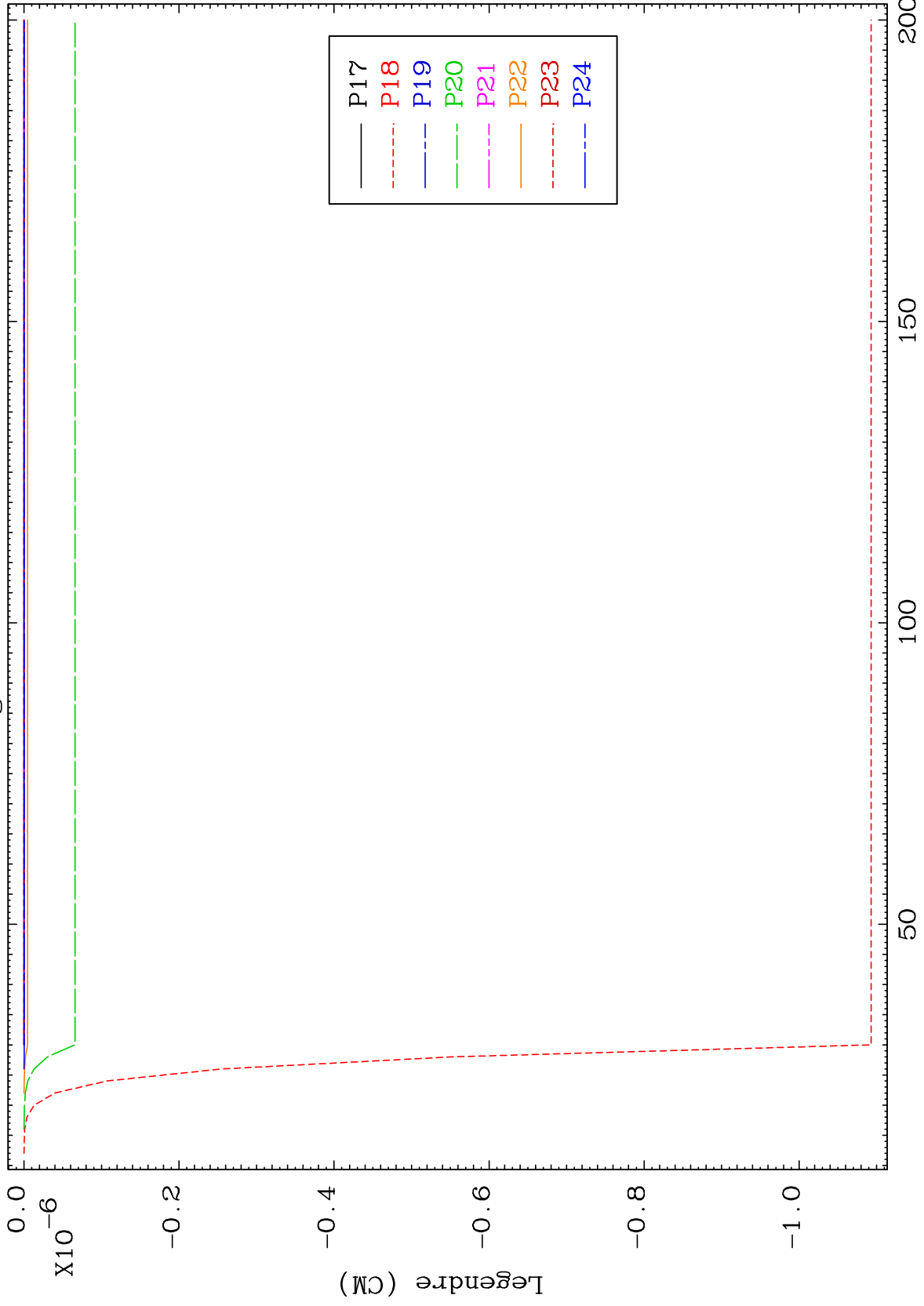
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



41-Nb-96

Incident Energy (MeV)

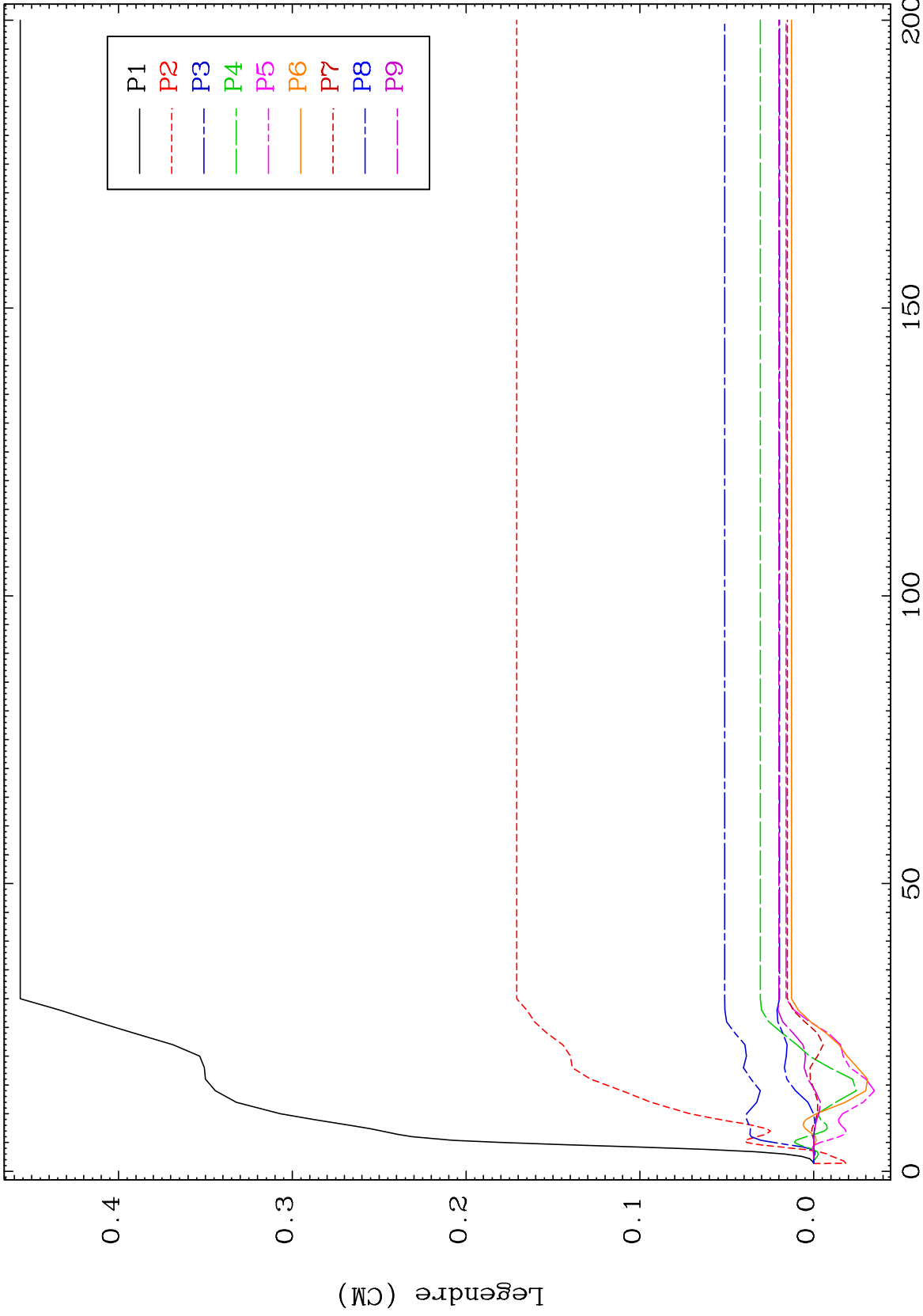
71



MAT 4134

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

41-Nb-96



72

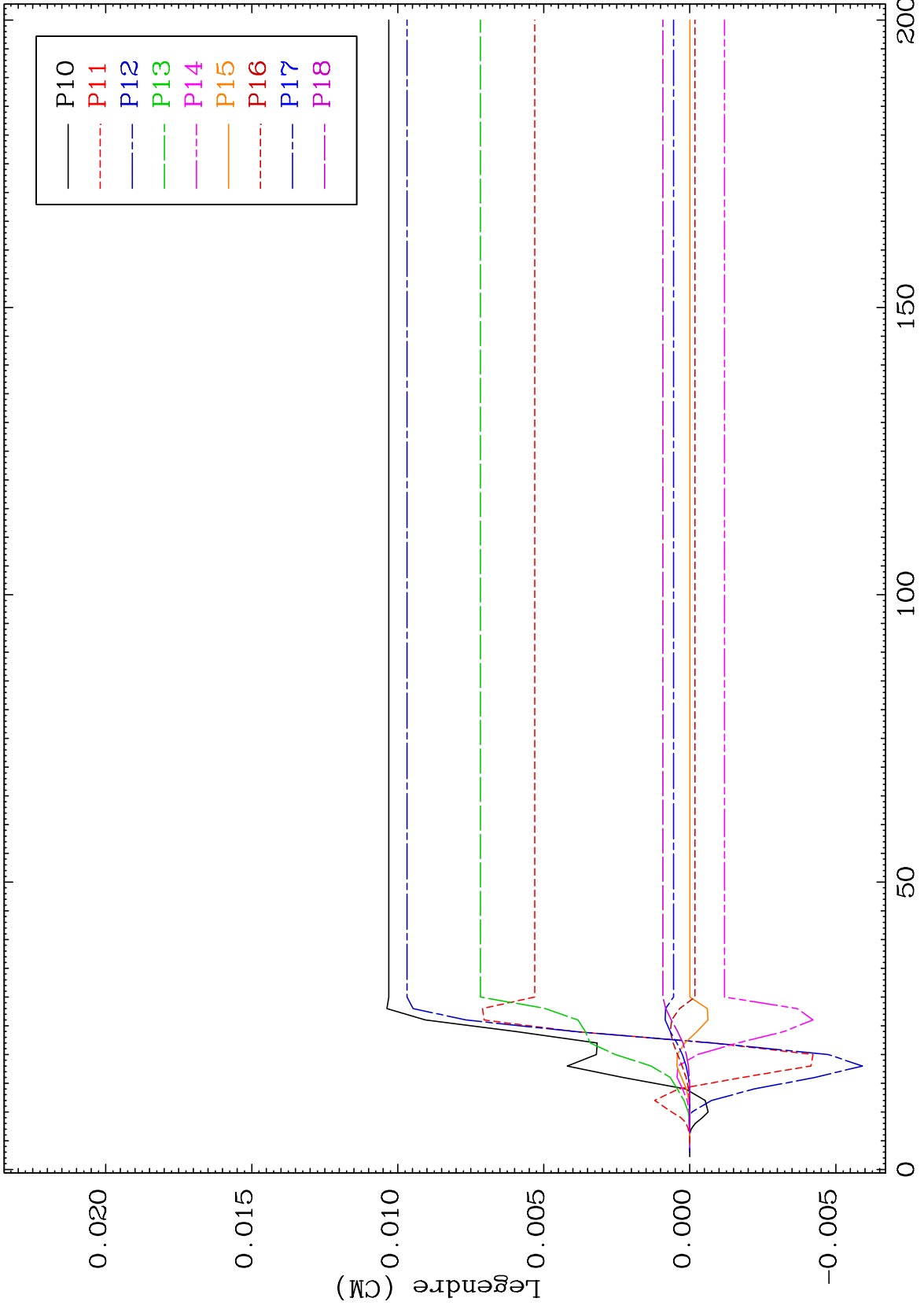
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



73

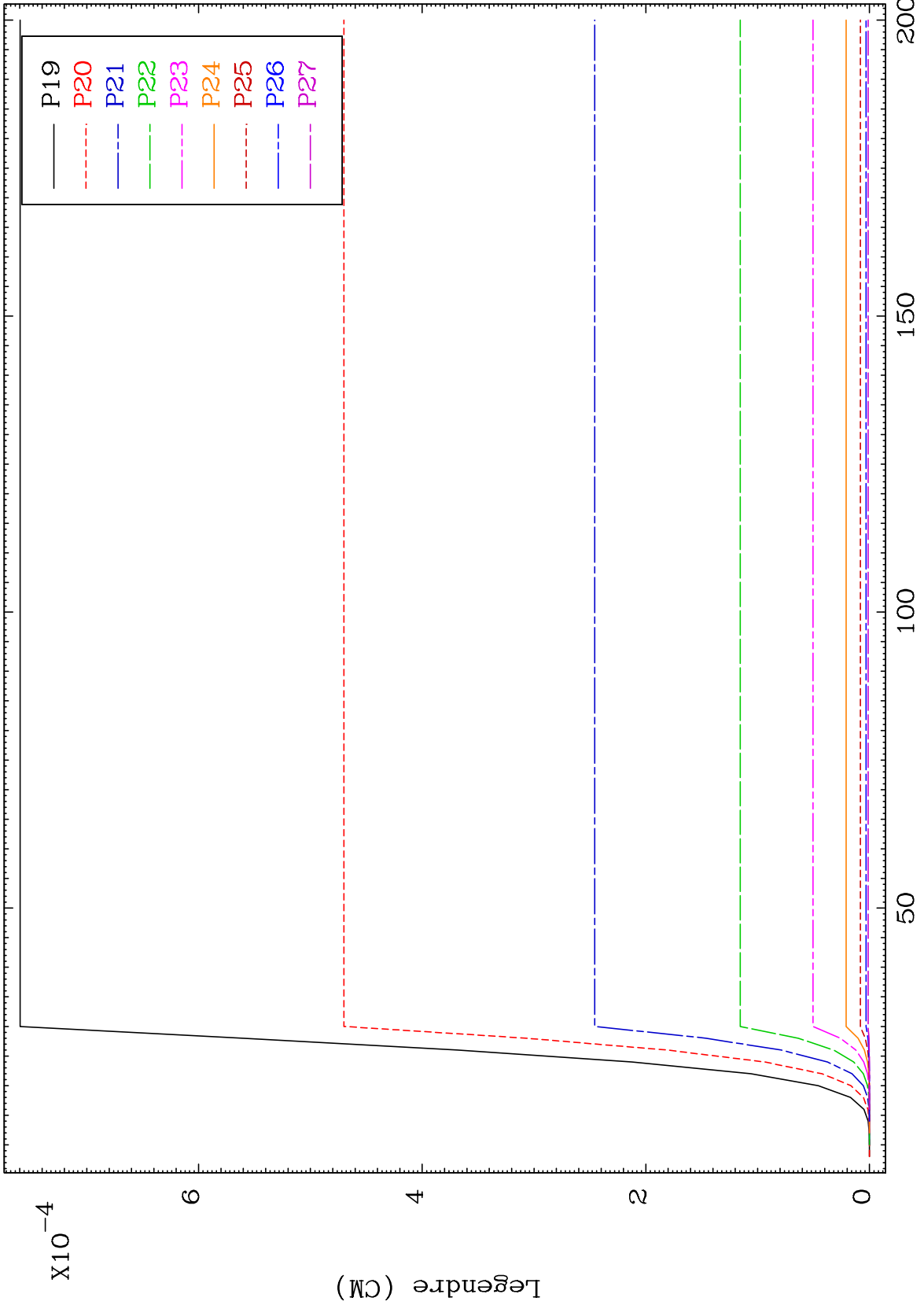
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



74

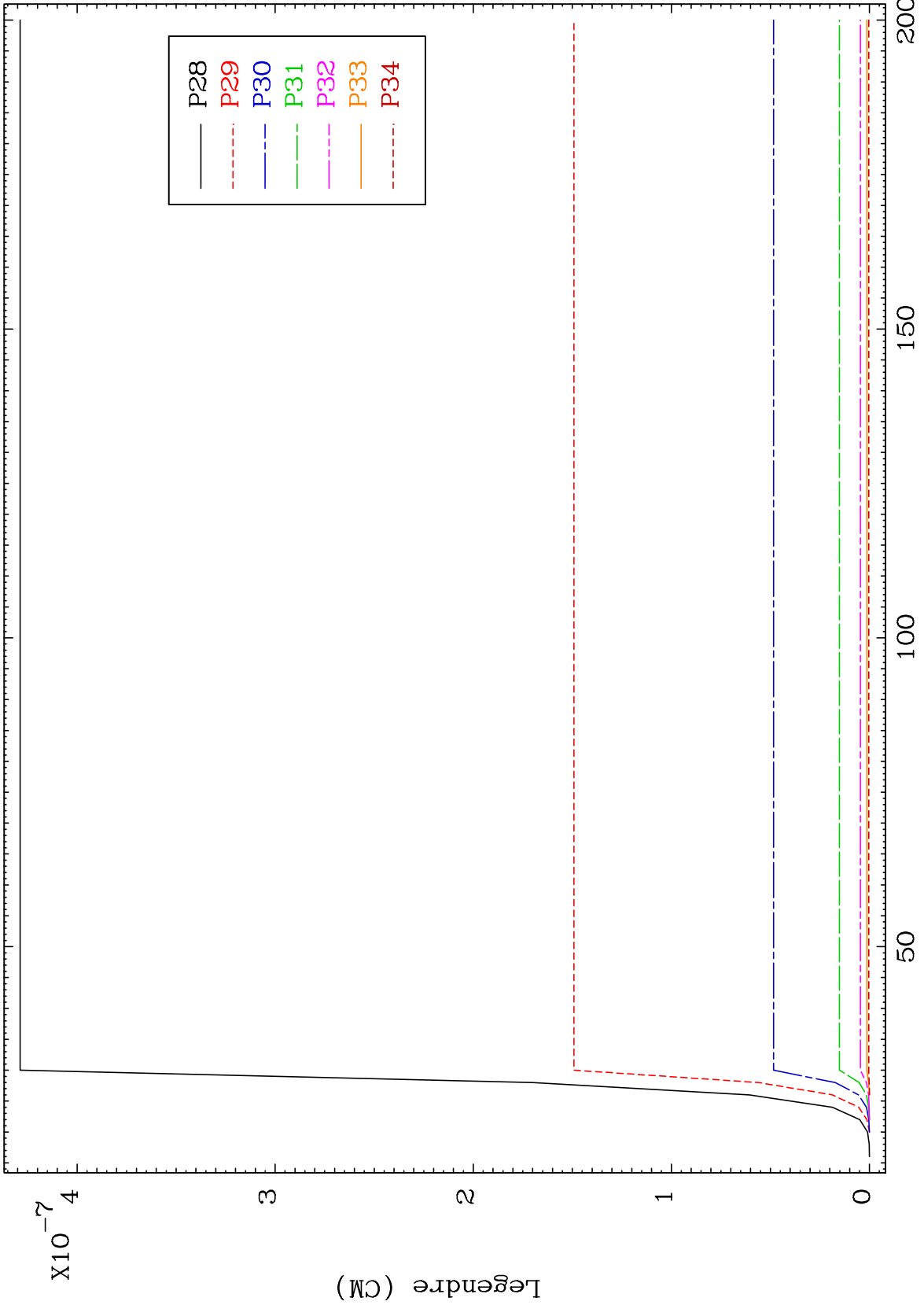
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



75

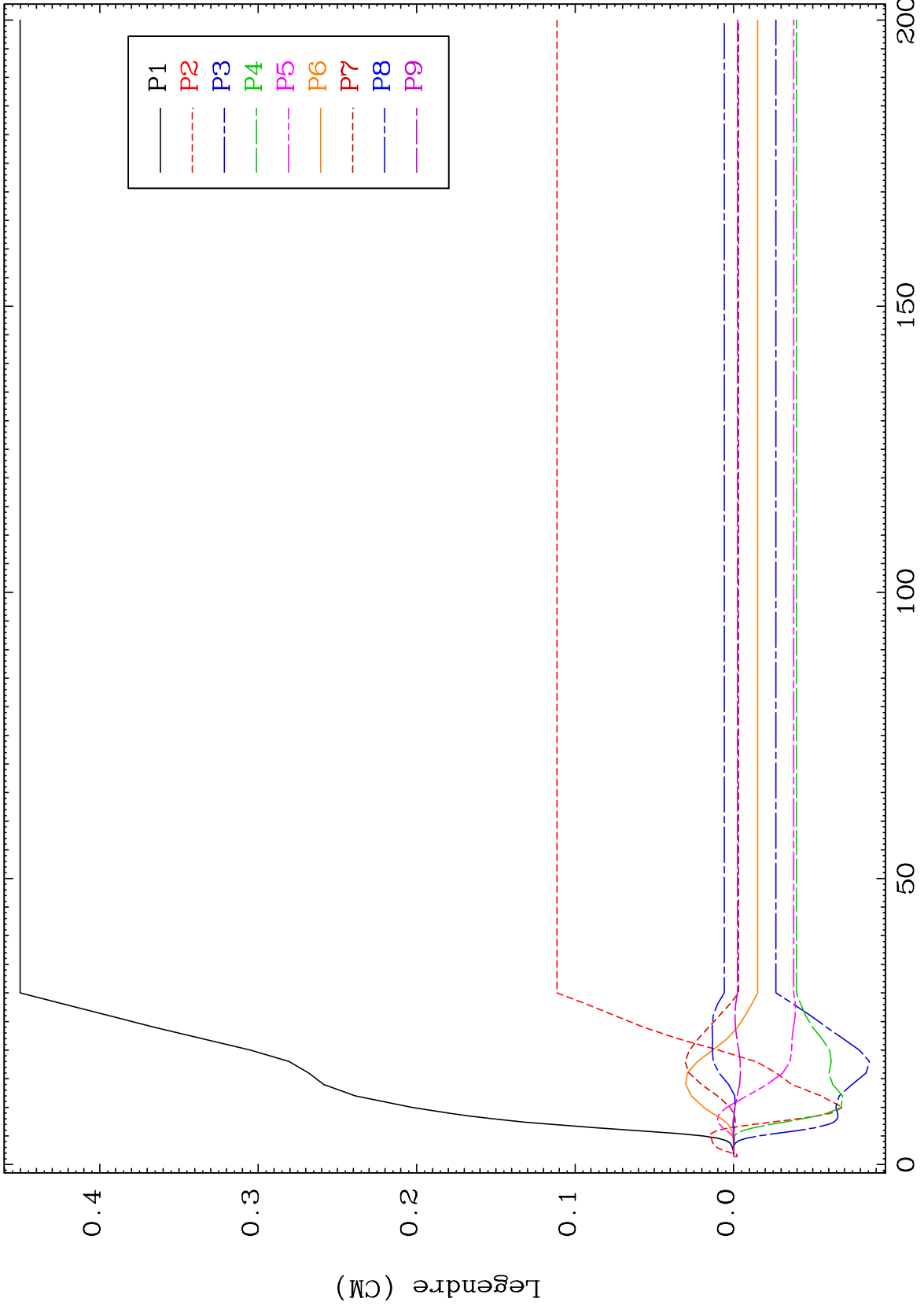
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96

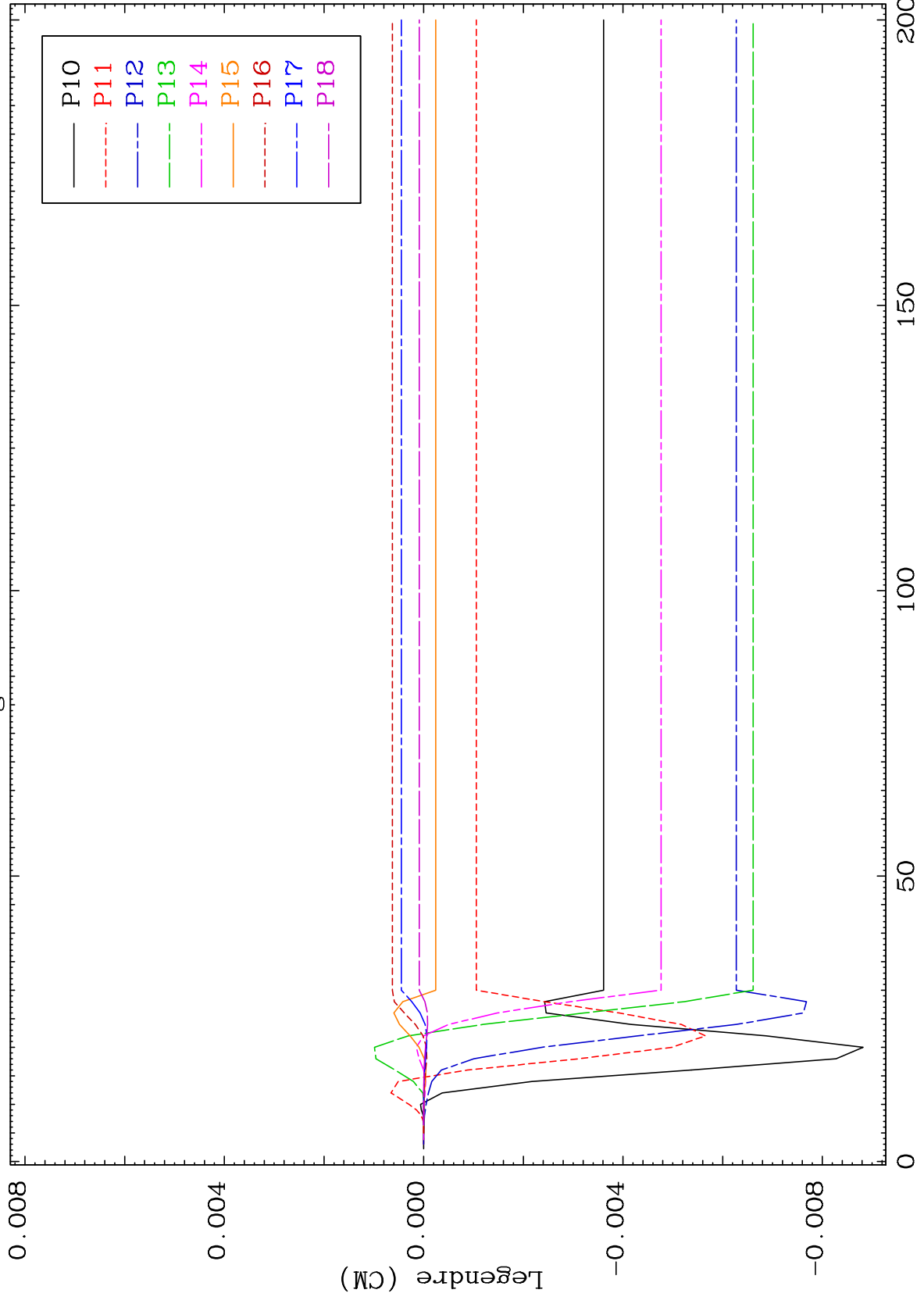


76

Incident Energy (MeV)

41-Nb-96

MAT 4134 MT= 68 (n,n') Level Legendre Coefficients 41-Nb-96



41-Nb-96

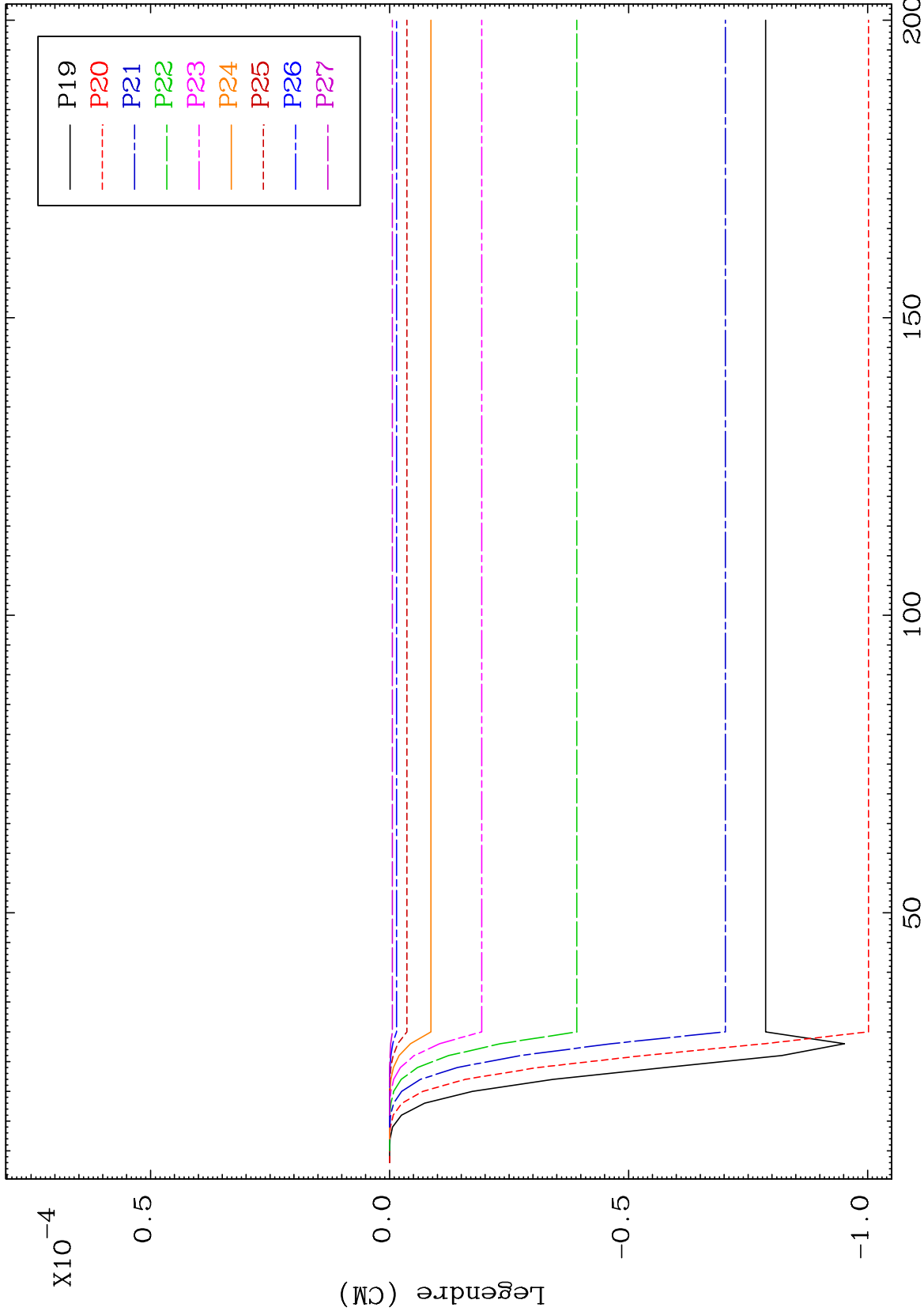
Incident Energy (MeV)

77

MAT 4134

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

41-Nb-96



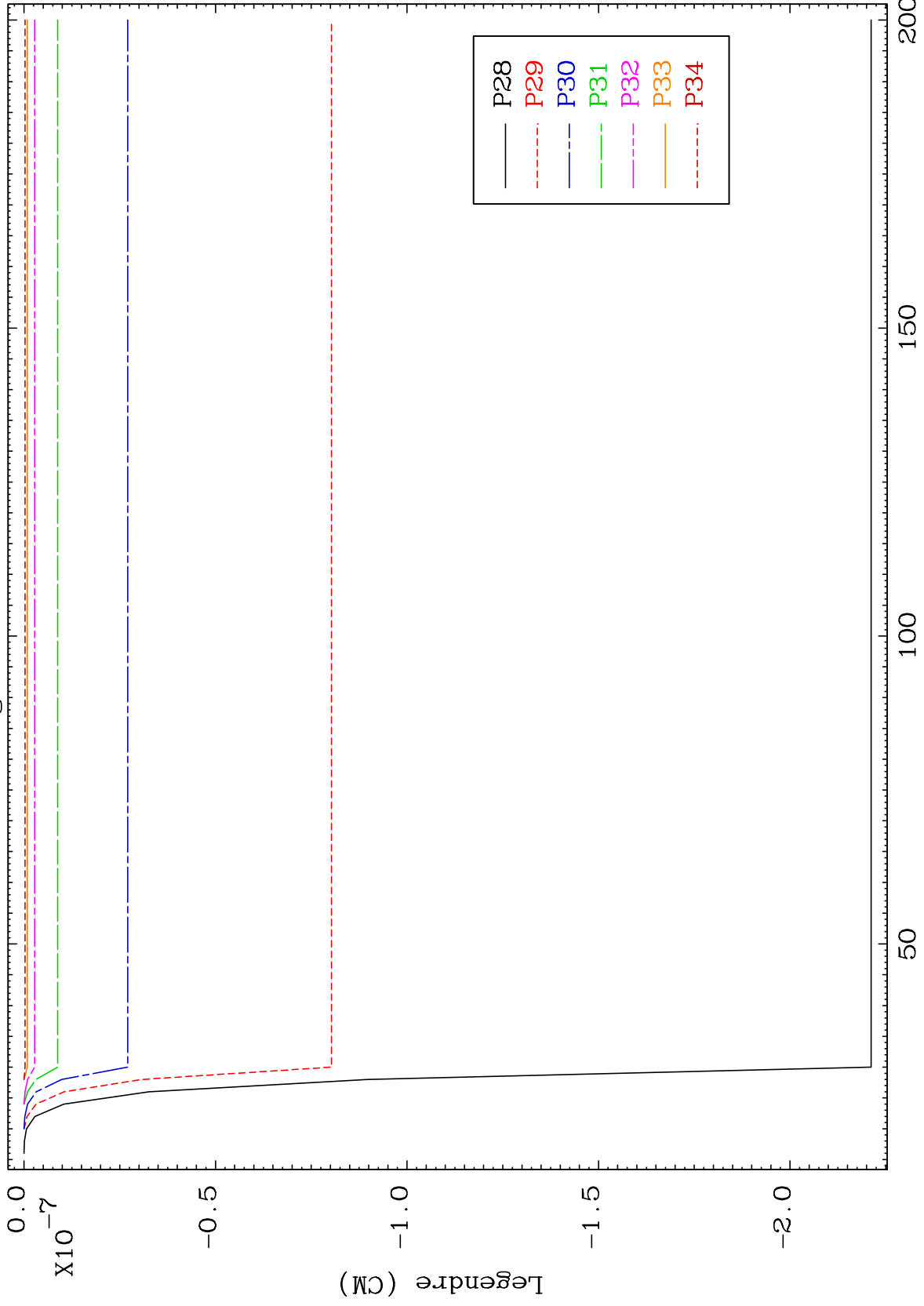
78

41-Nb-96

MAT 4134

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

41-Nb-96



79

Incident Energy (MeV)

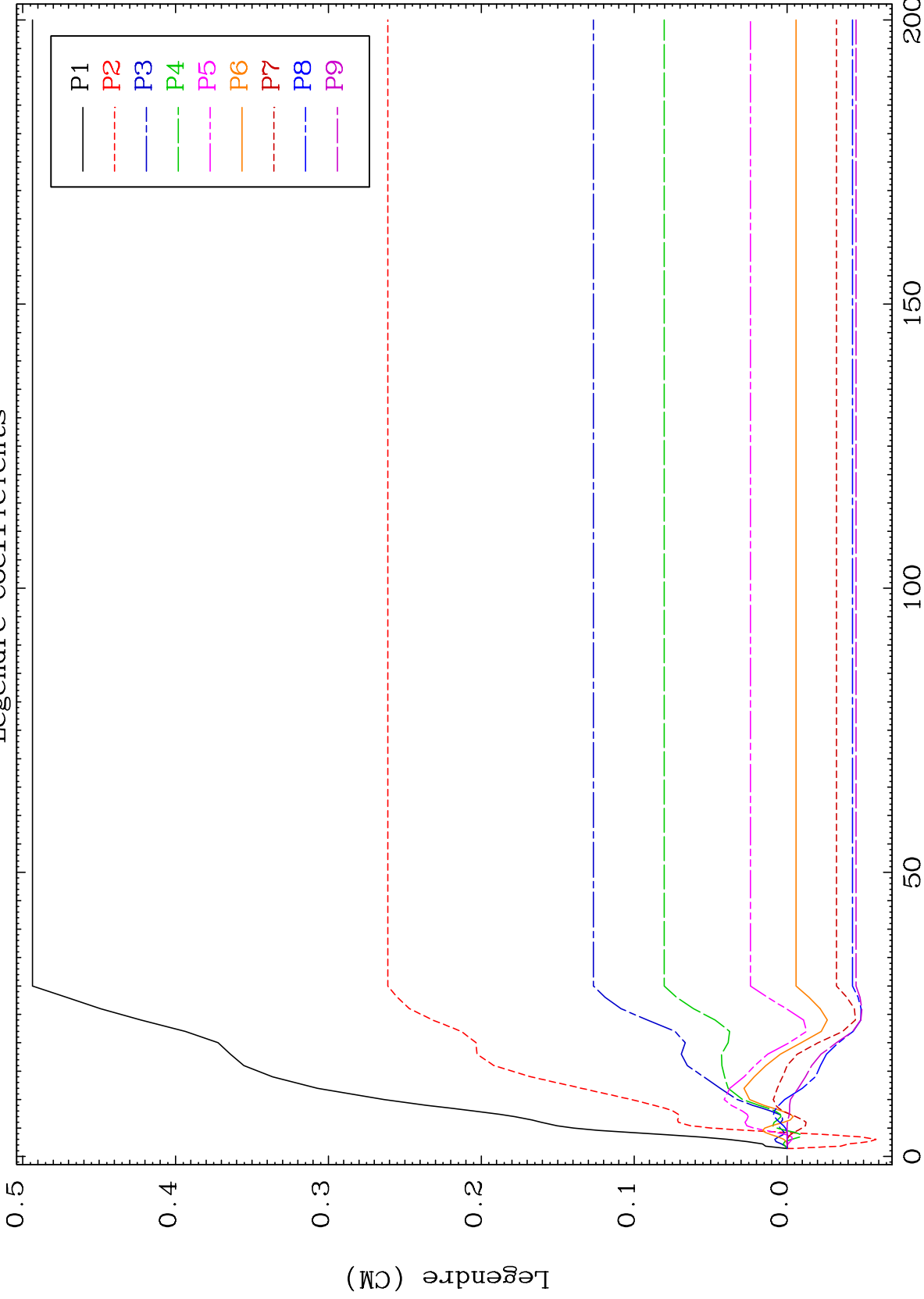
41-Nb-96



MAT 4134

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

41-Nb-96



41-Nb-96

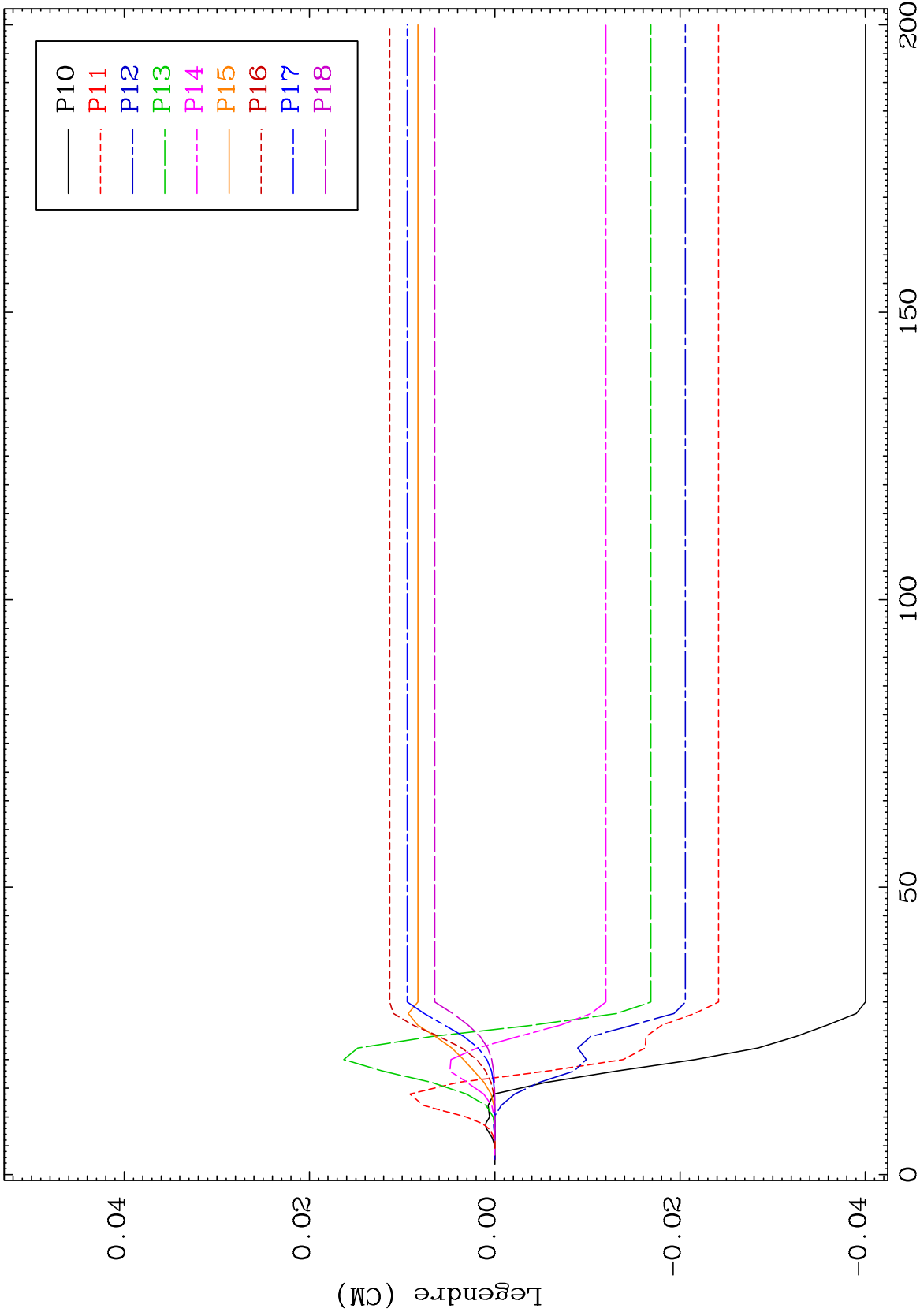
Incident Energy (MeV)

80

MAT 4134

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

41-Nb-96



81

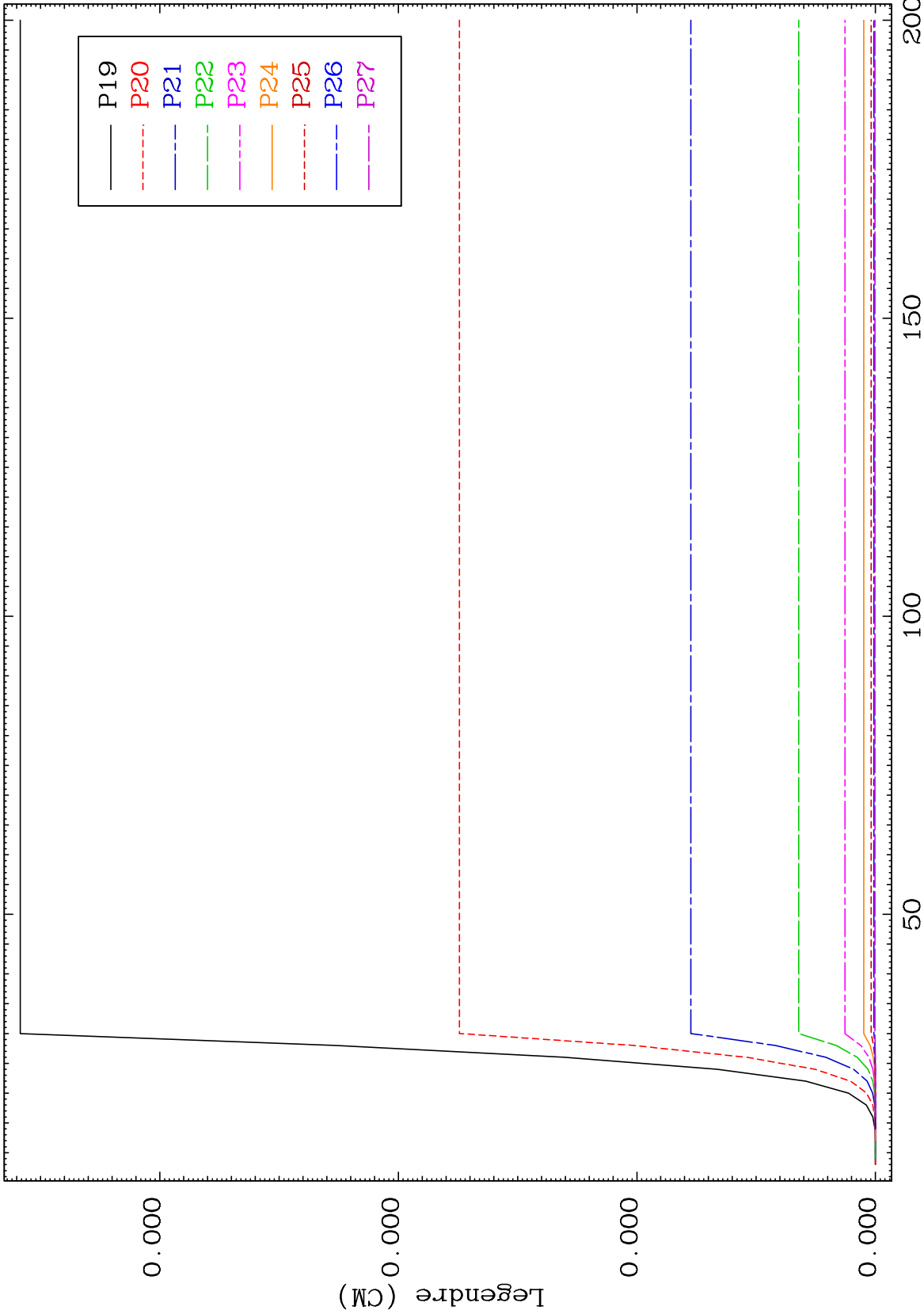
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



82

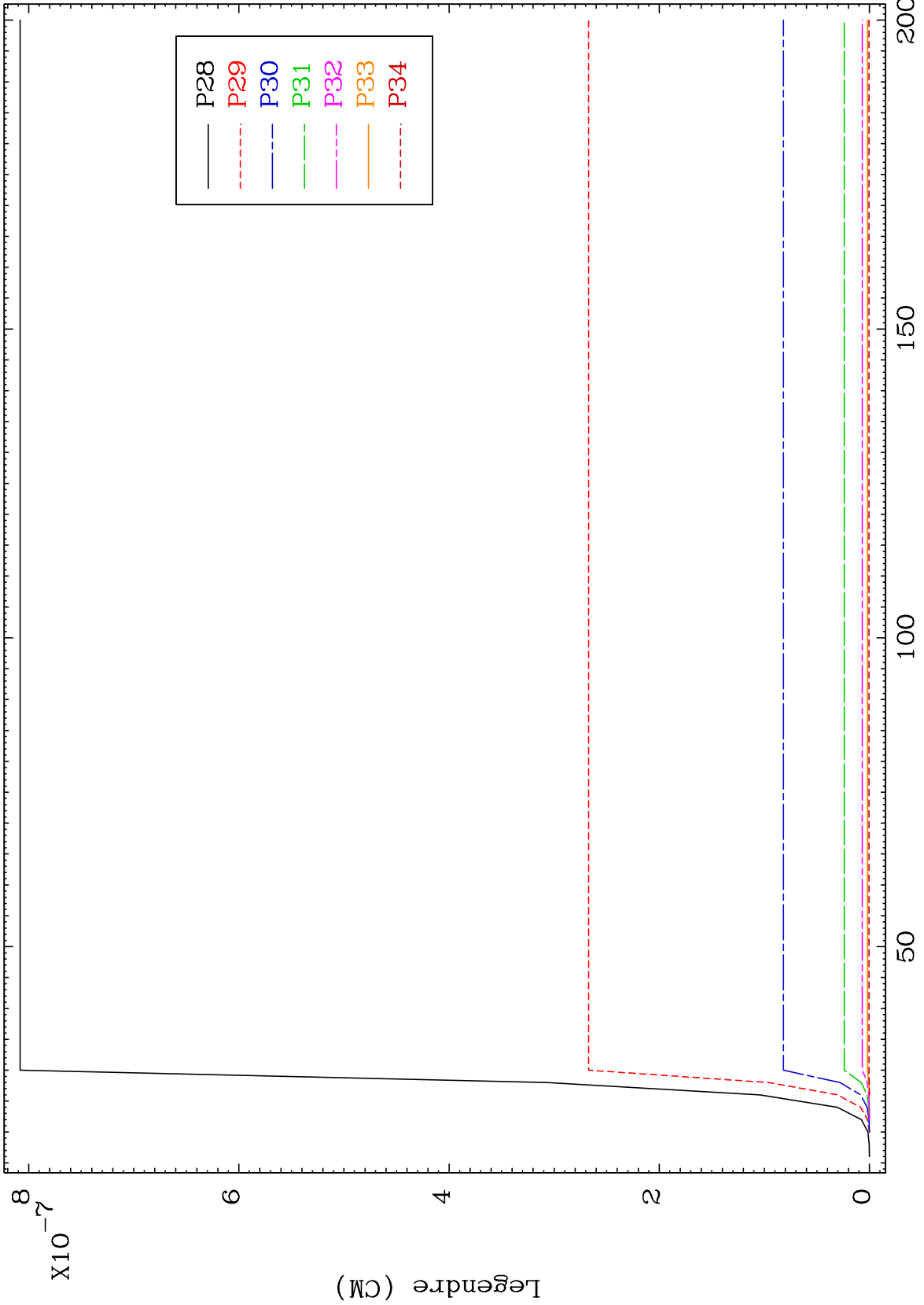
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



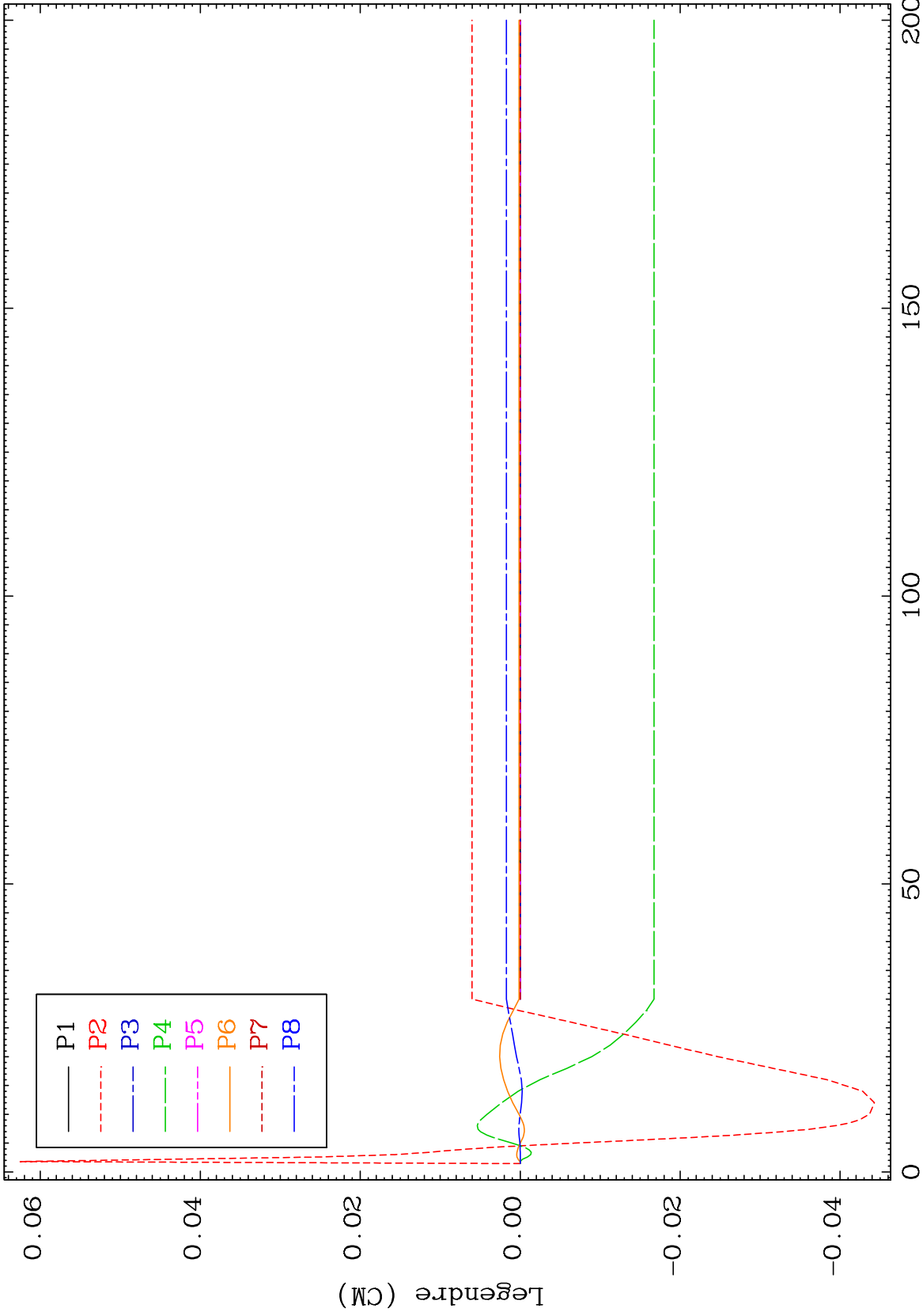
83

41-Nb-96

MAT 4134

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

41-Nb-96



84

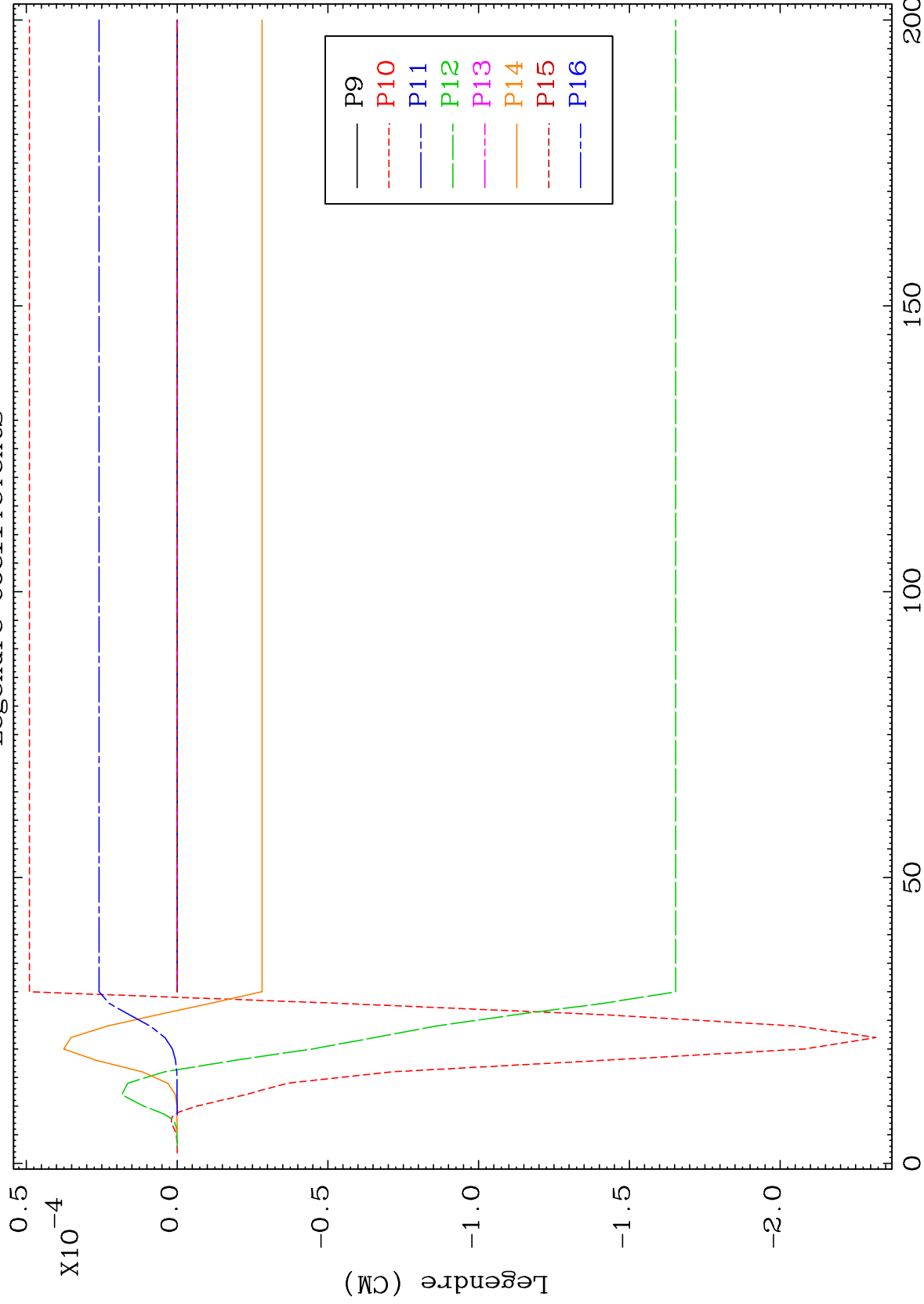
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96

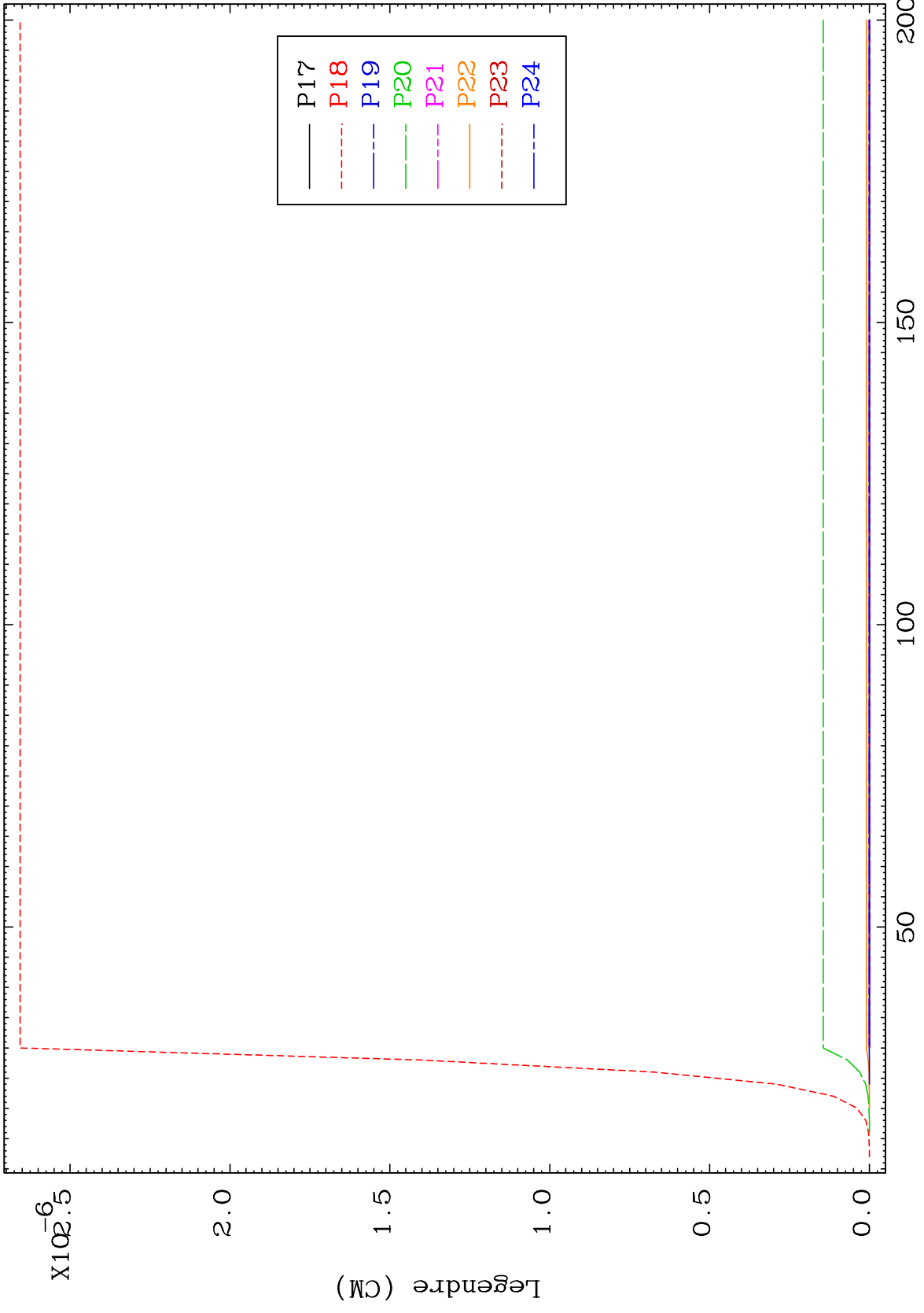


85

Incident Energy (MeV)

41-Nb-96

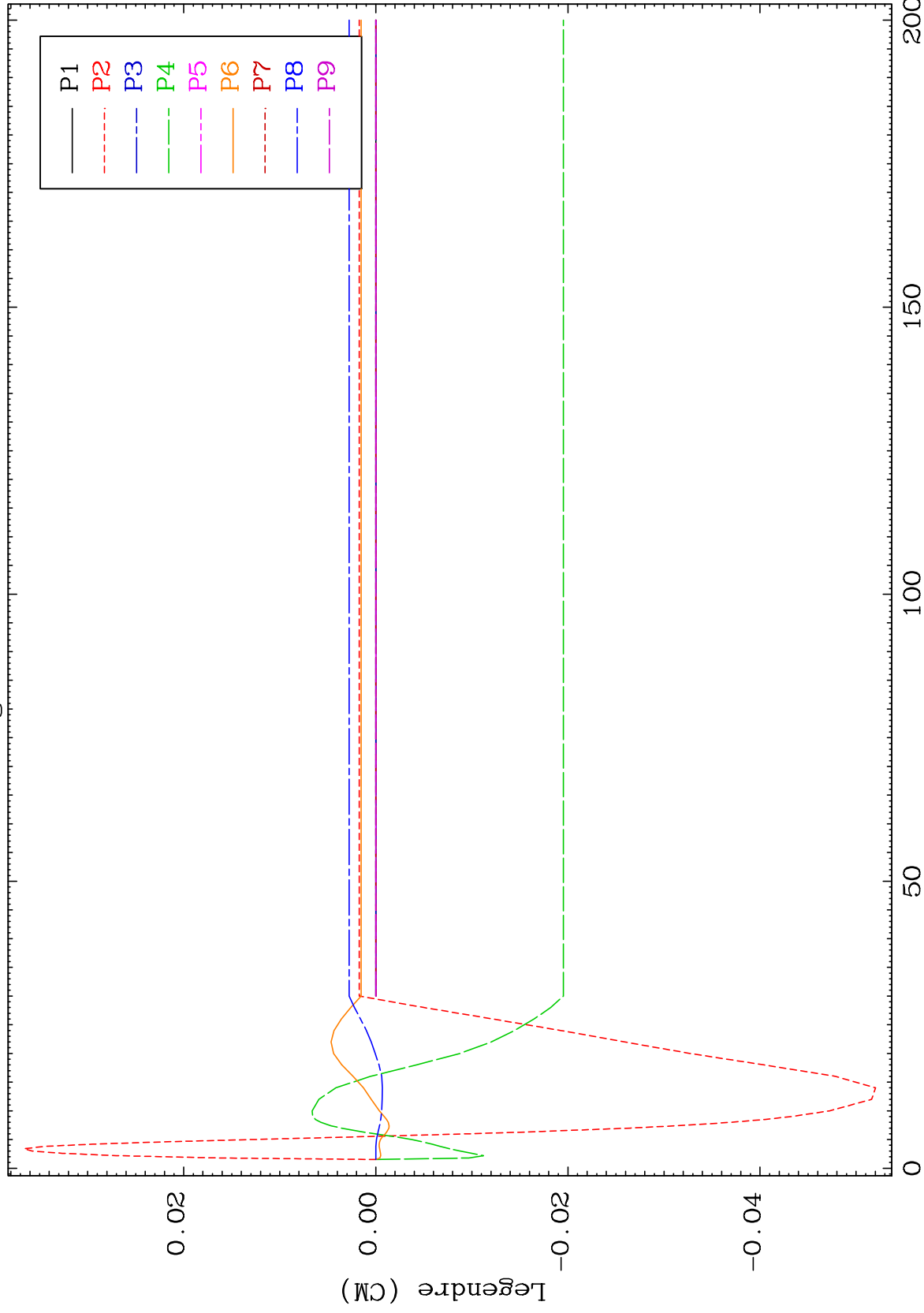
MAT 4134 MT= 70 (n,n') Level Legendre Coefficients 41-Nb-96



MAT 4134

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

41-Nb-96



87

Incident Energy (MeV)

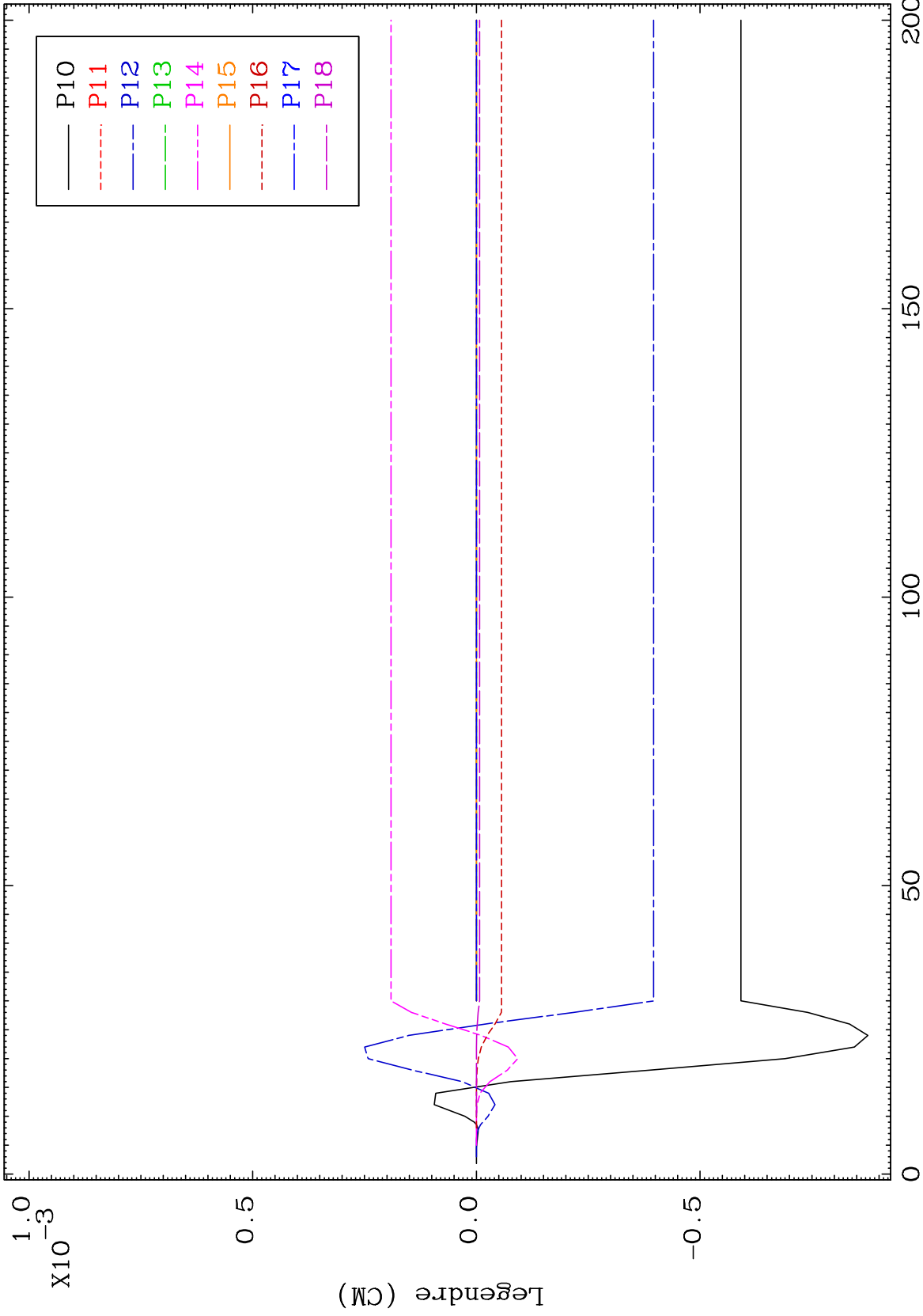
41-Nb-96



MAT 4134

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

41-Nb-96



88

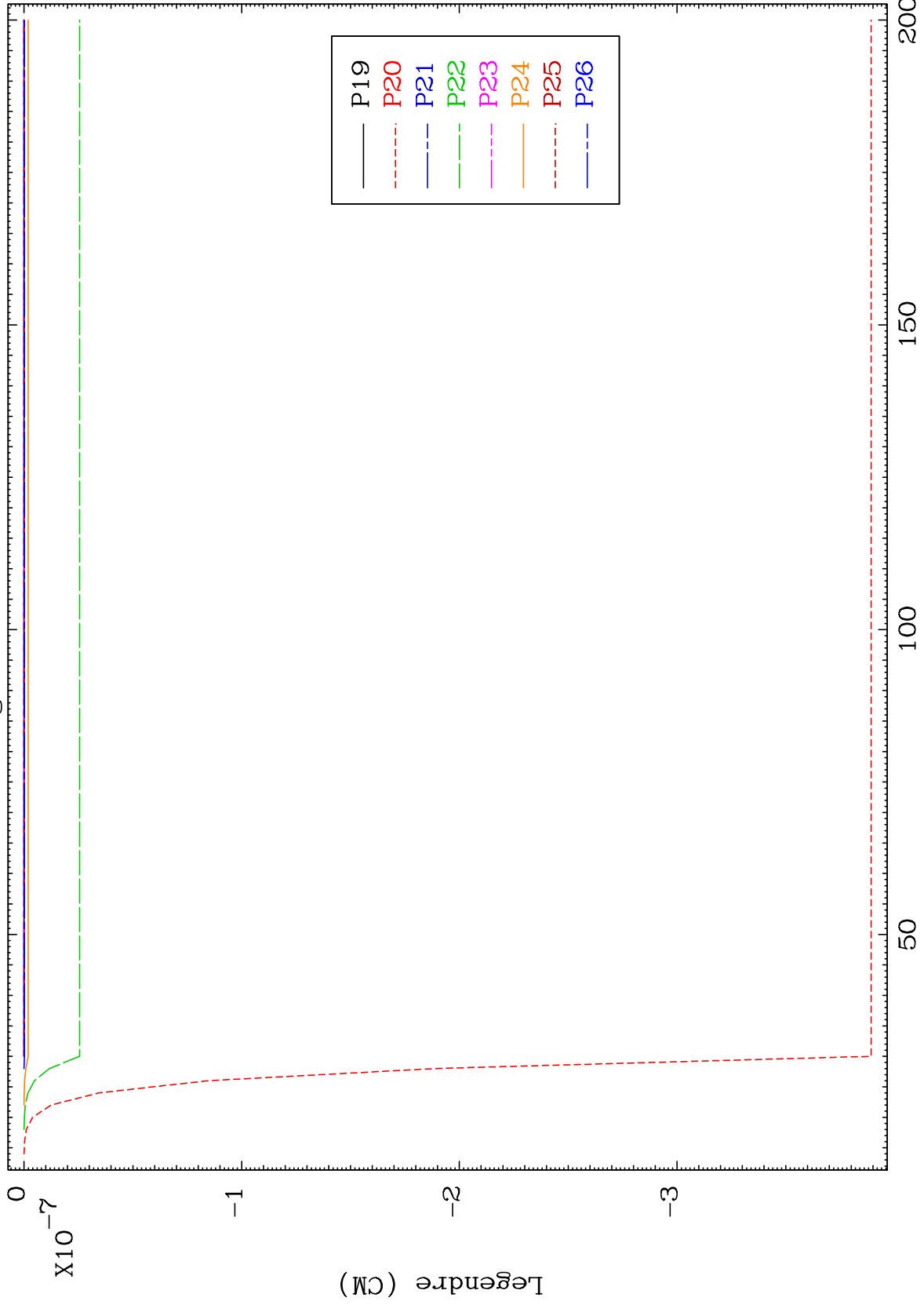
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



41-Nb-96

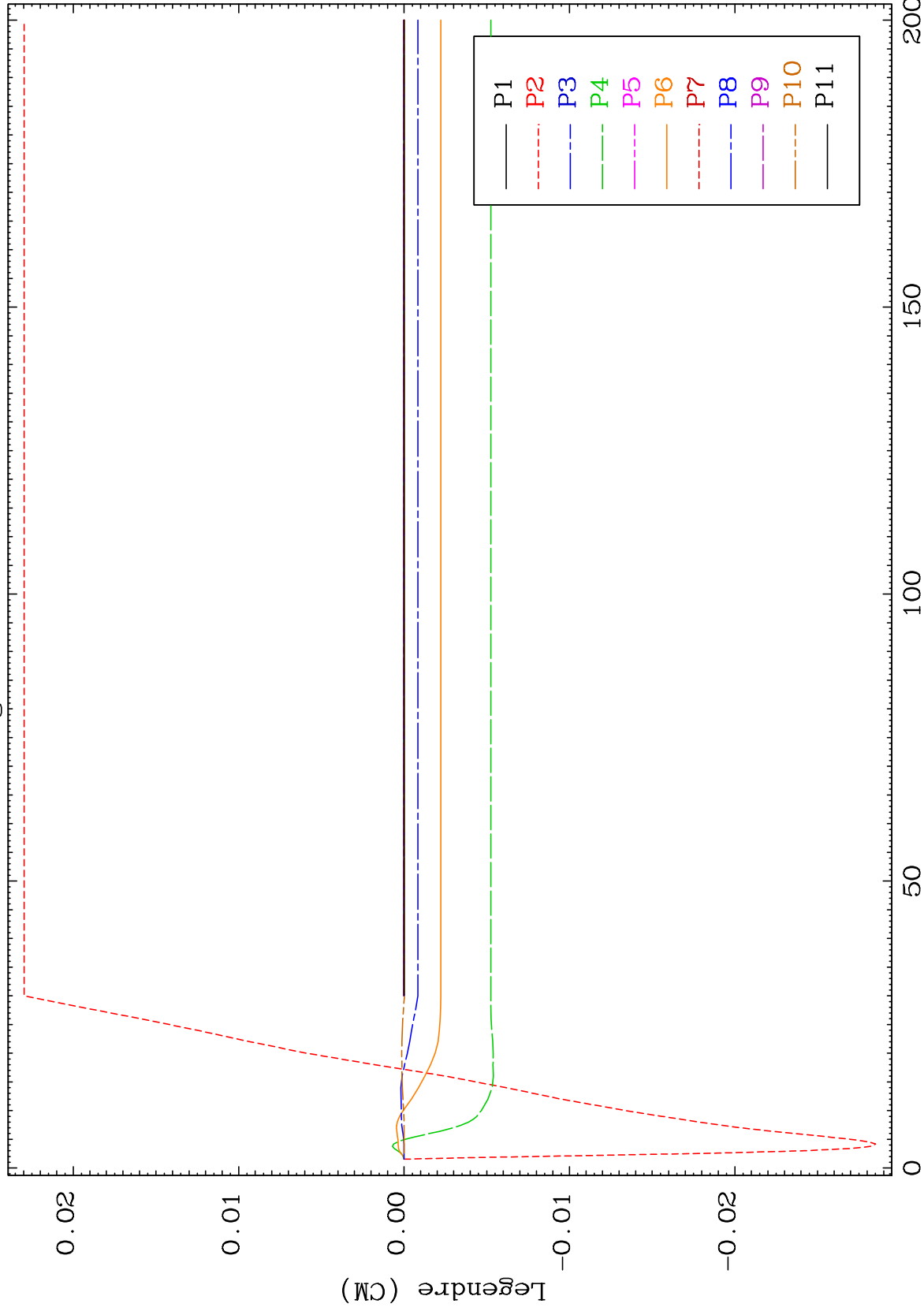
Incident Energy (MeV)

89

MAT 4134

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

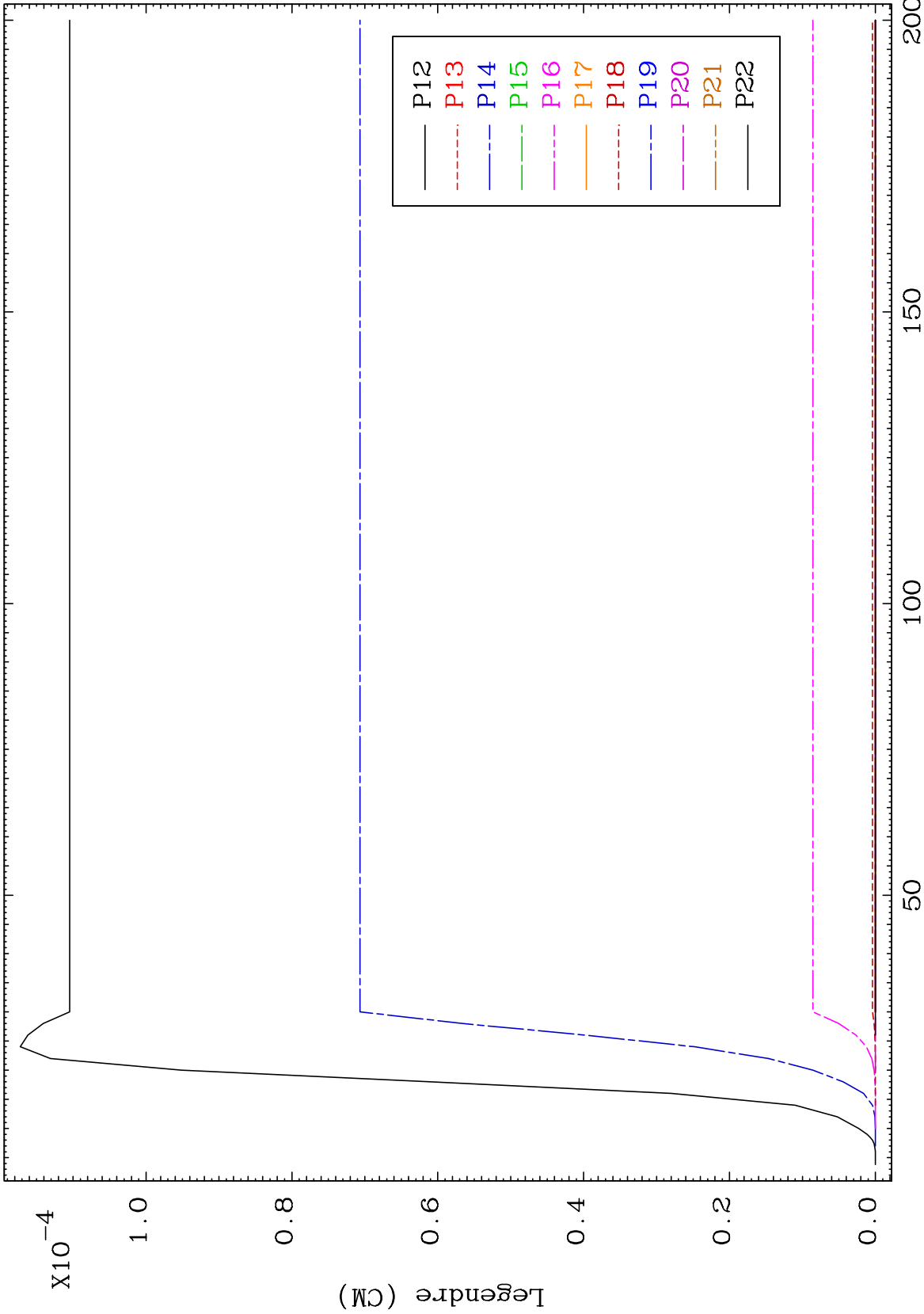
41-Nb-96



90

Incident Energy (MeV)

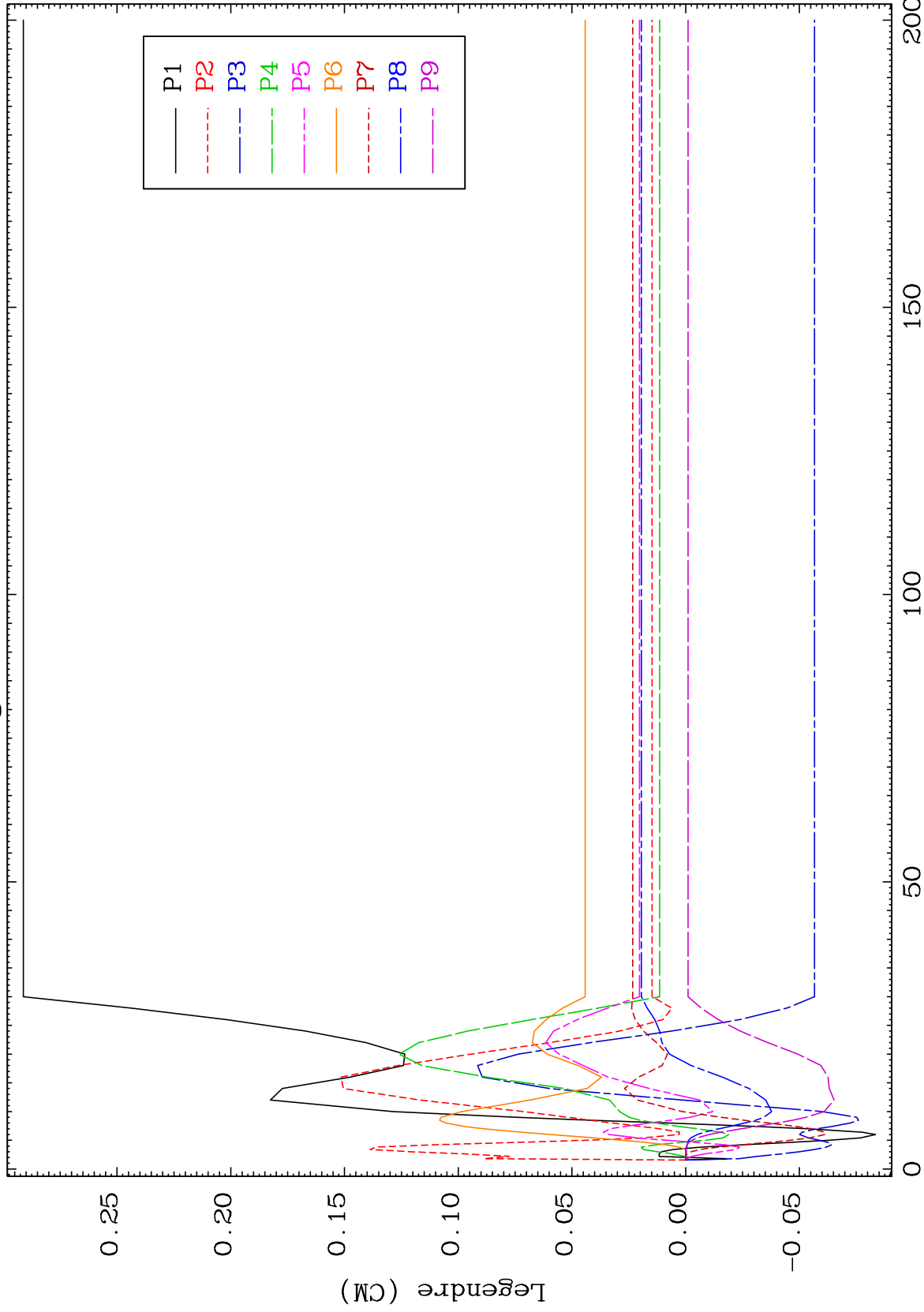
41-Nb-96



MAT 4134

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

41-Nb-96



92

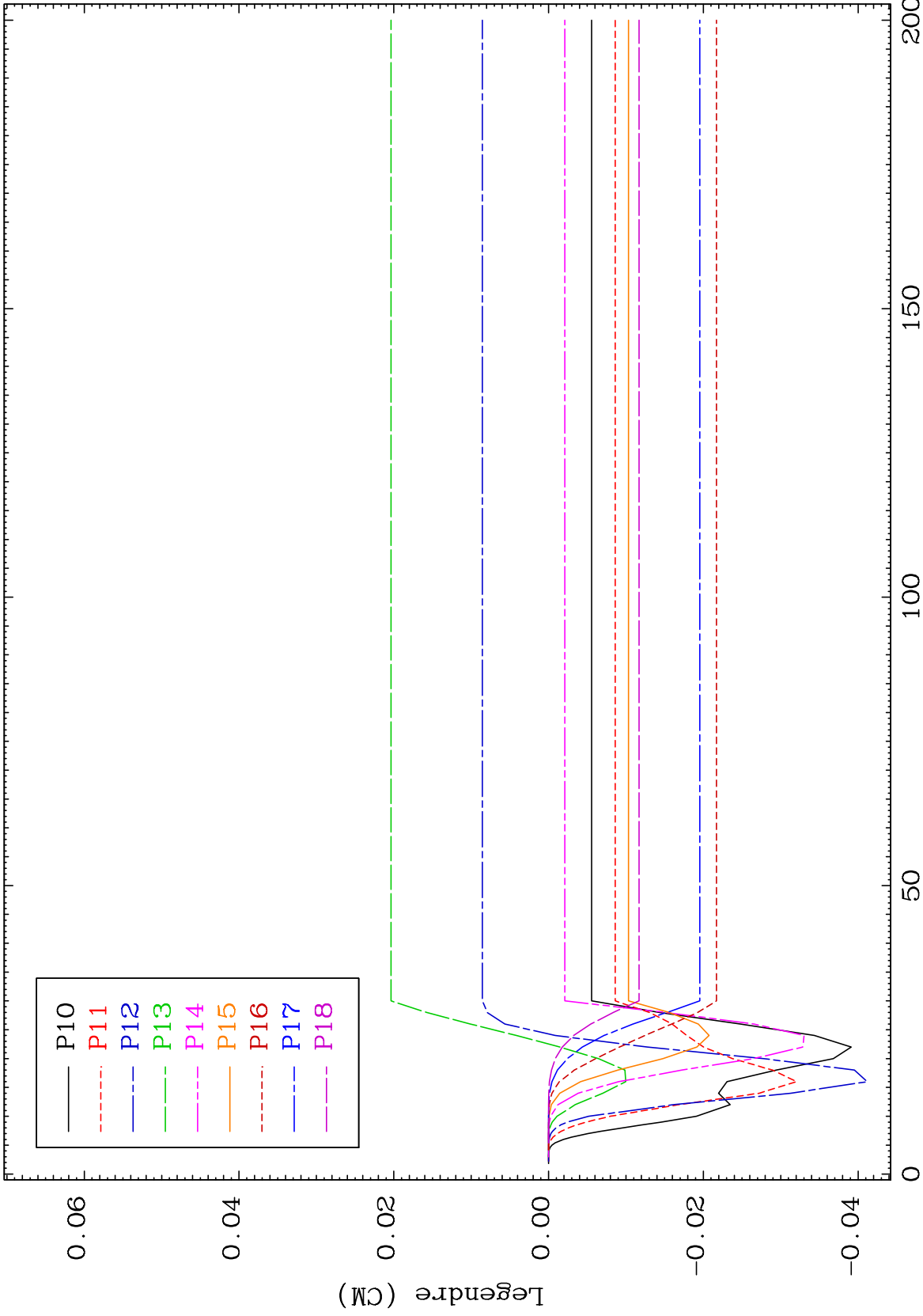
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96

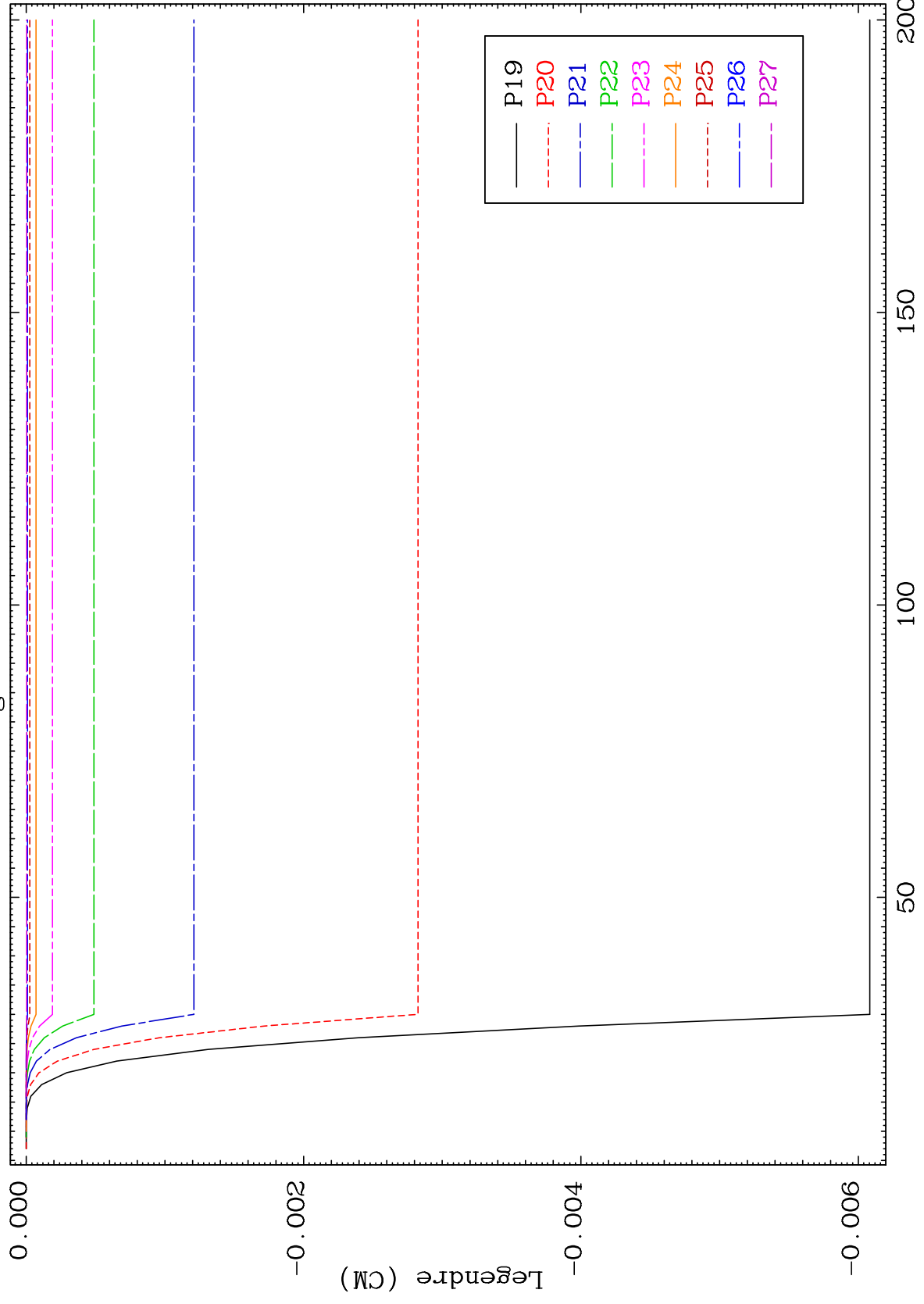


93

Incident Energy (MeV)

41-Nb-96

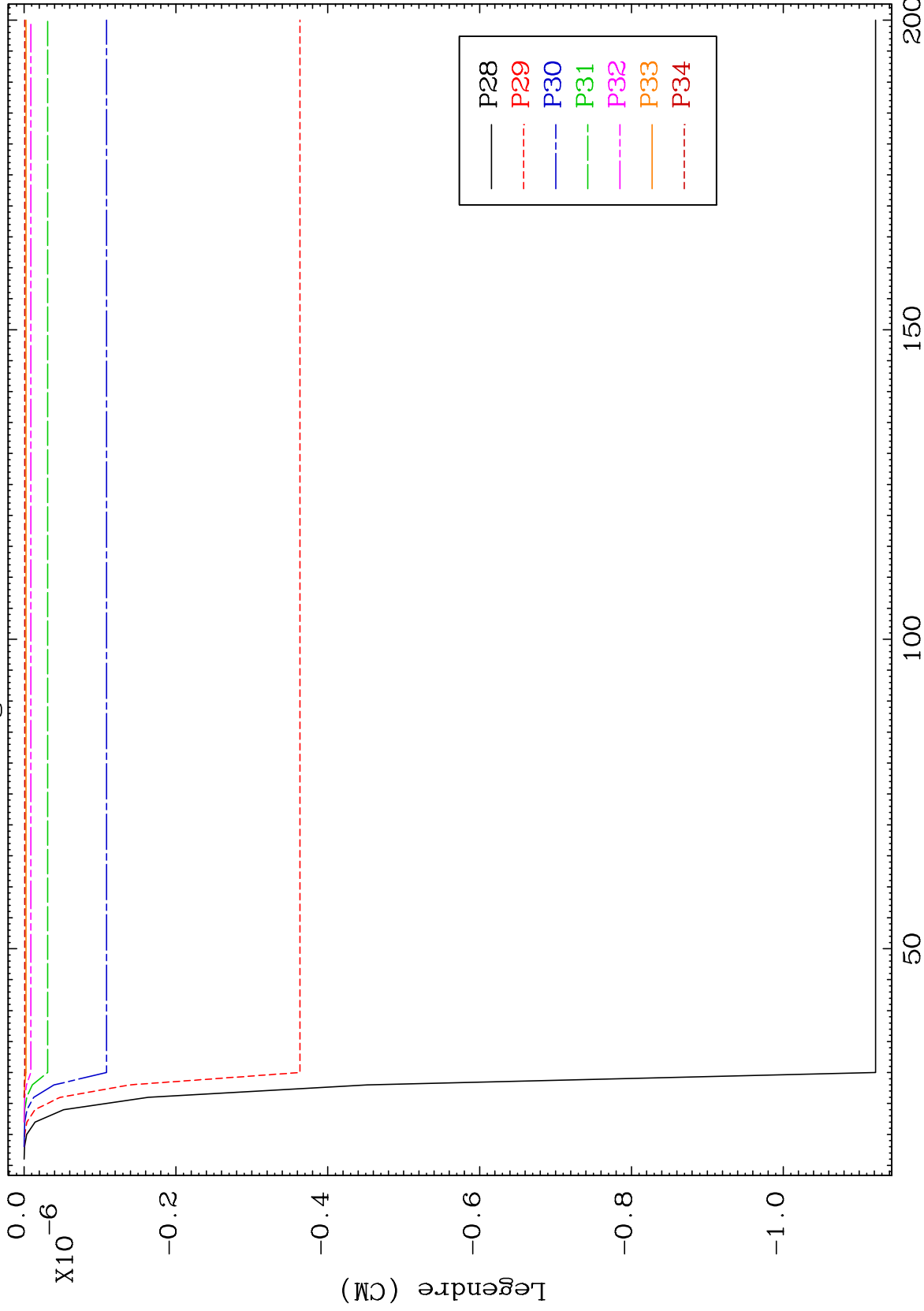
MAT 4134 MT= 73 (n,n') Level Legendre Coefficients 41-Nb-96



MAT 4134

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

41-Nb-96



95

Incident Energy (MeV)

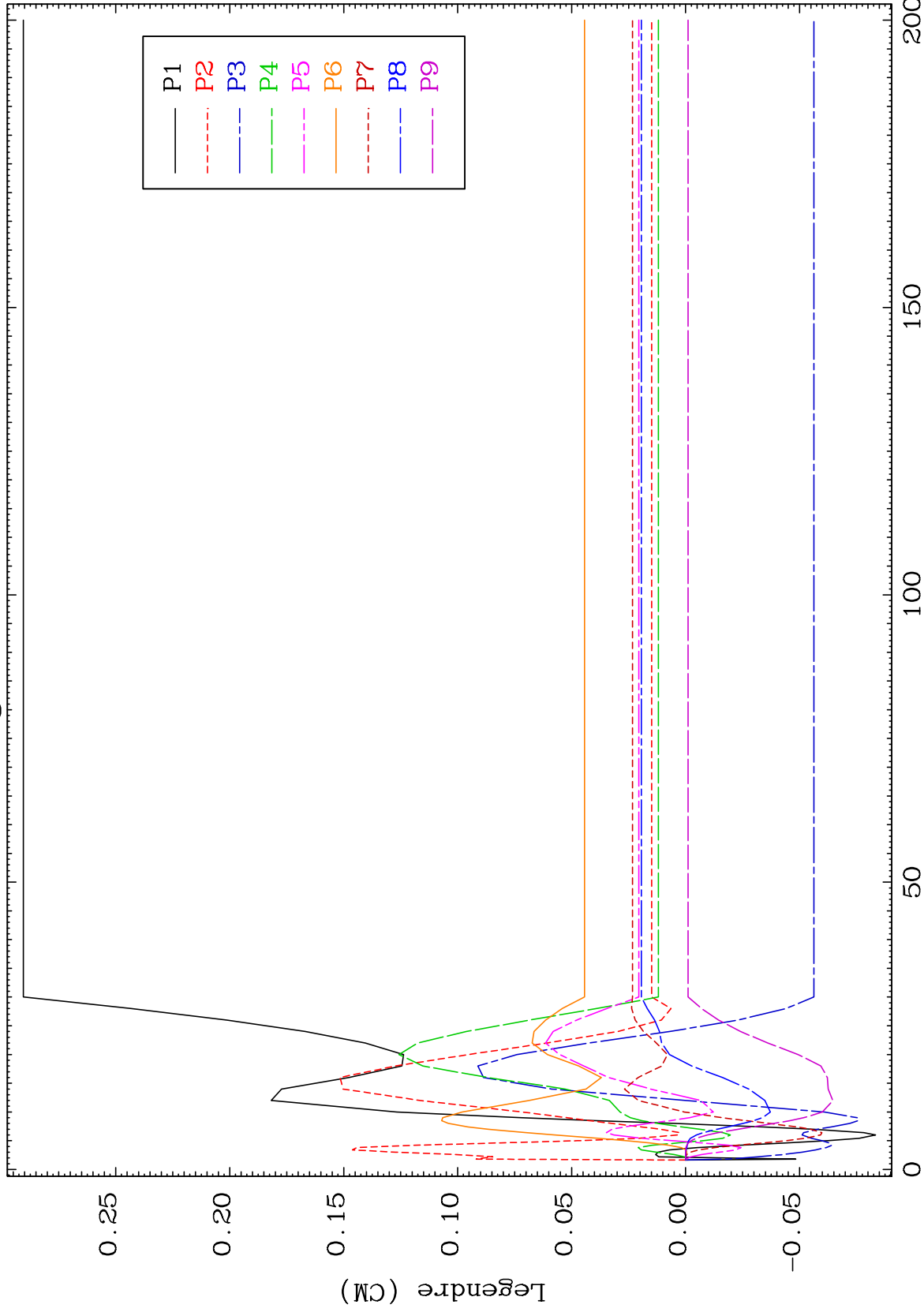
41-Nb-96



MAT 4134

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

41-Nb-96



96

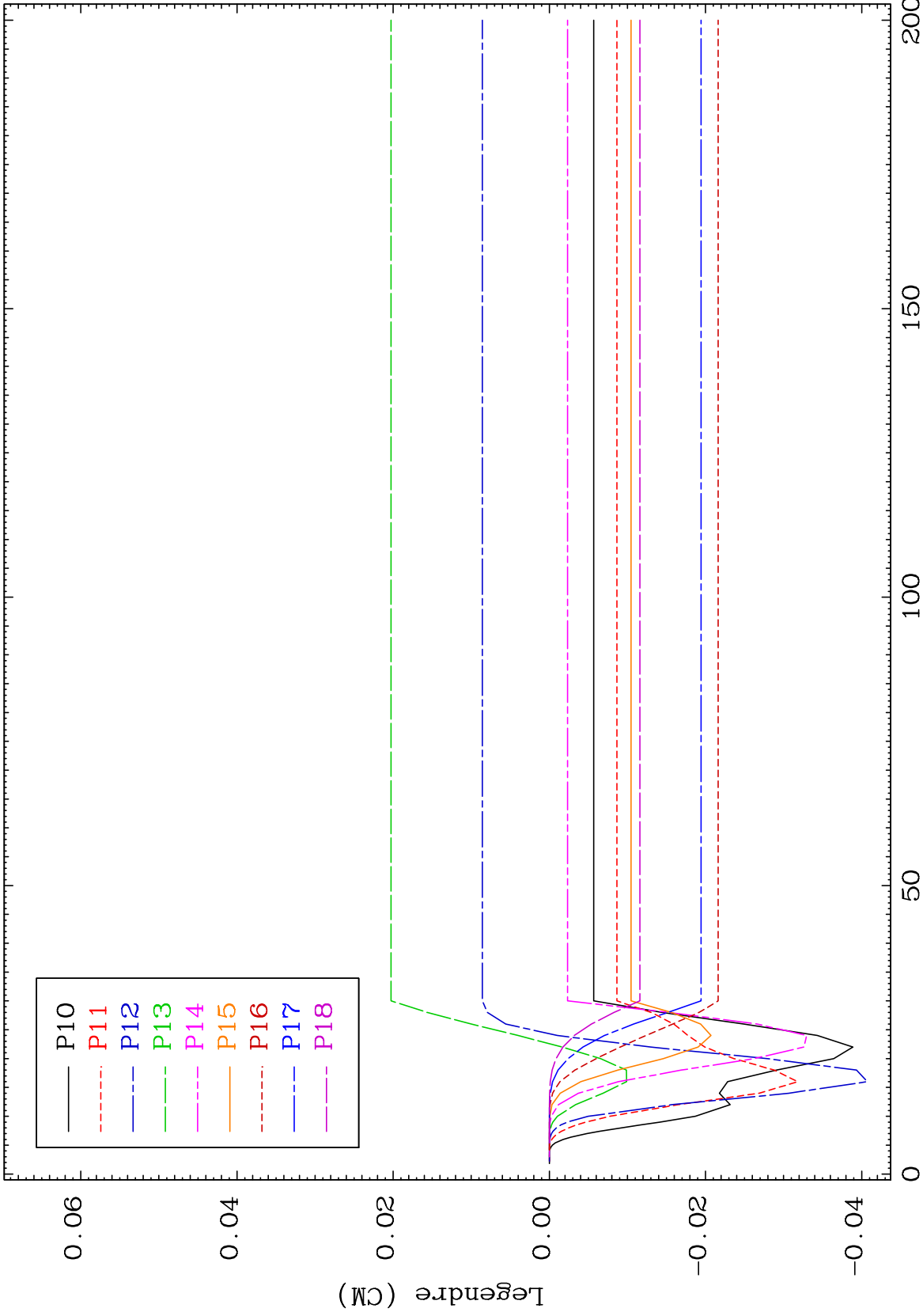
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96

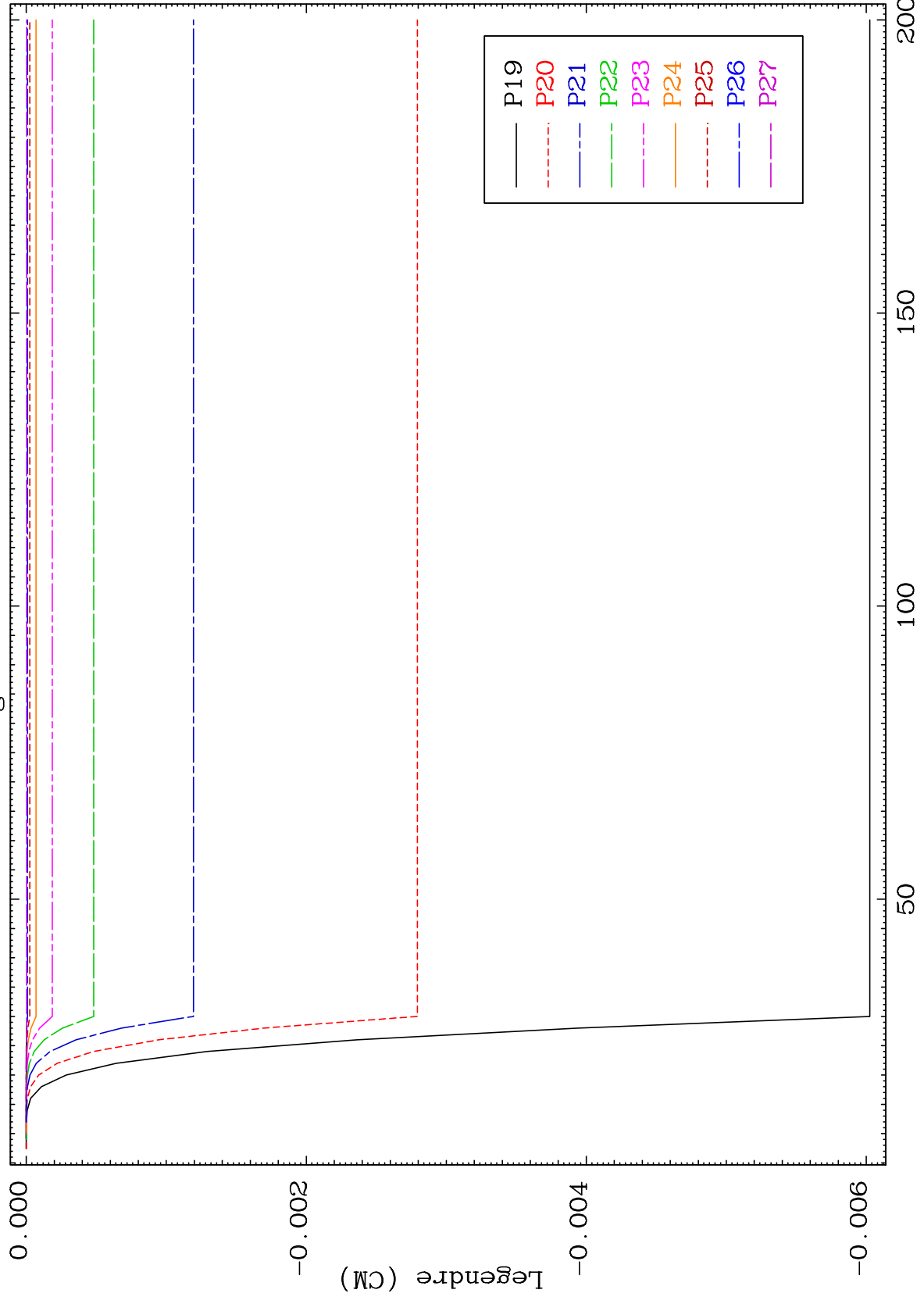


97

Incident Energy (MeV)

41-Nb-96

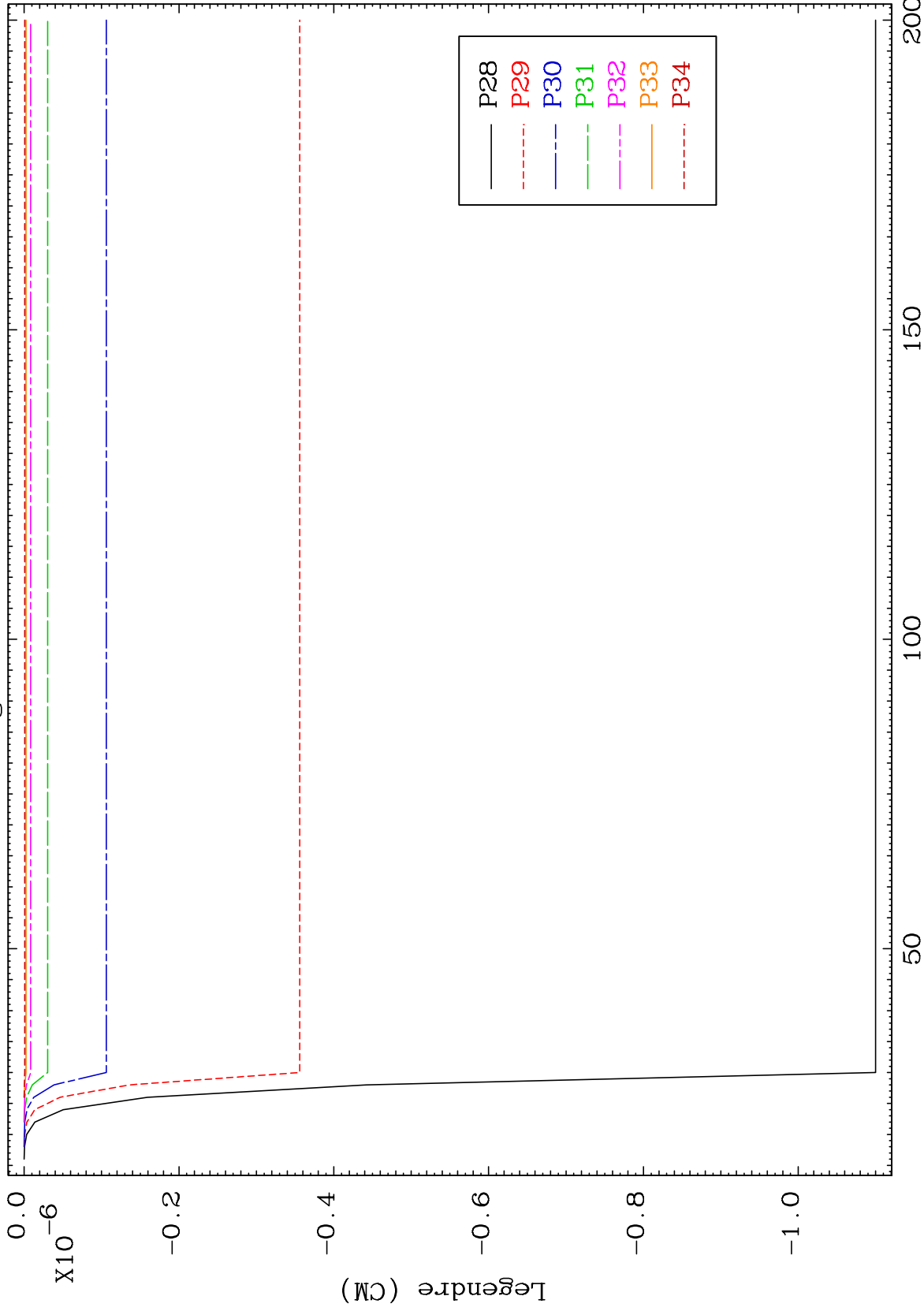
MAT 4134 MT= 74 (n,n') Level Legendre Coefficients 41-Nb-96



MAT 4134

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

41-Nb-96



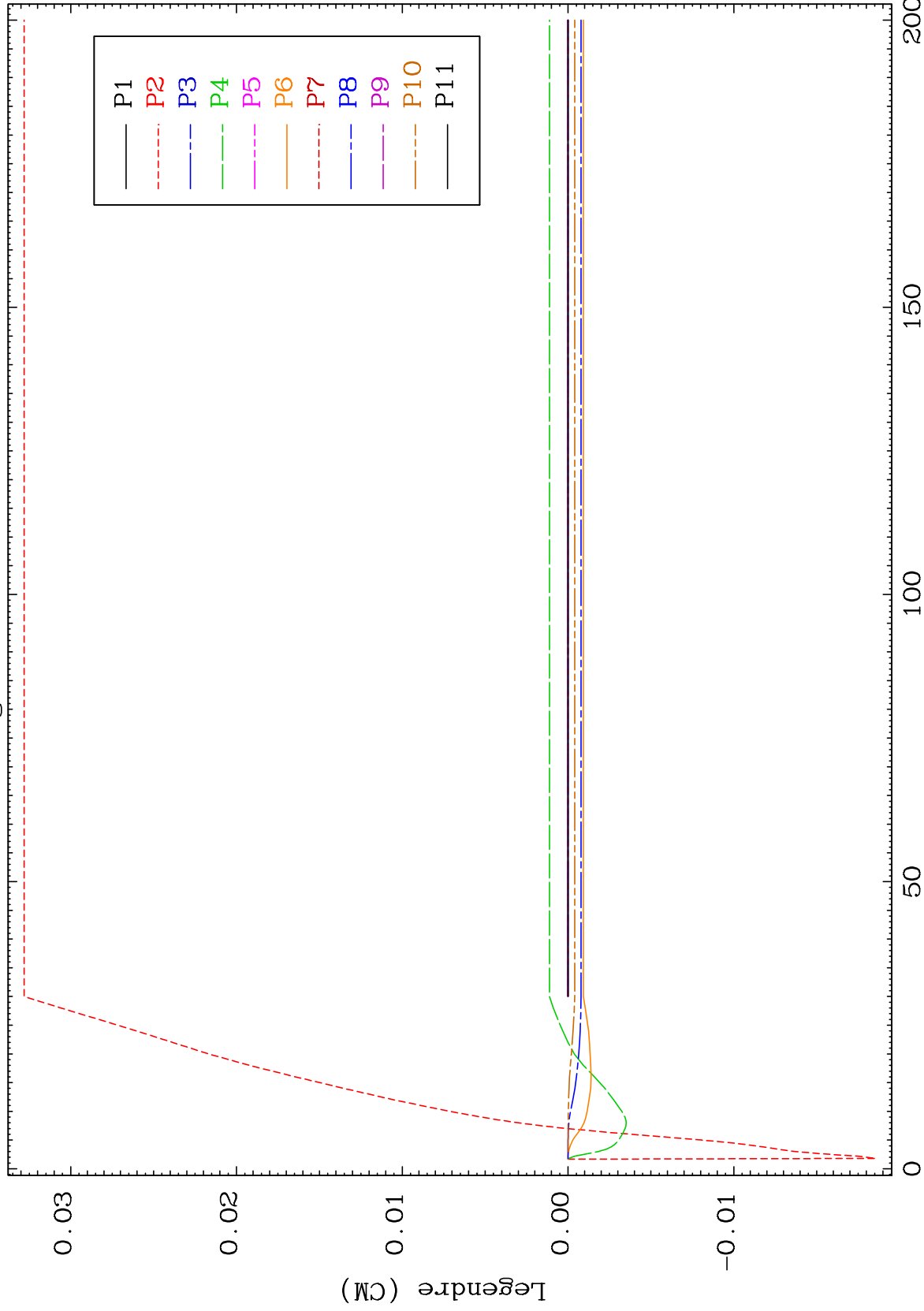
99

41-Nb-96

MAT 4134

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

41-Nb-96



41-Nb-96

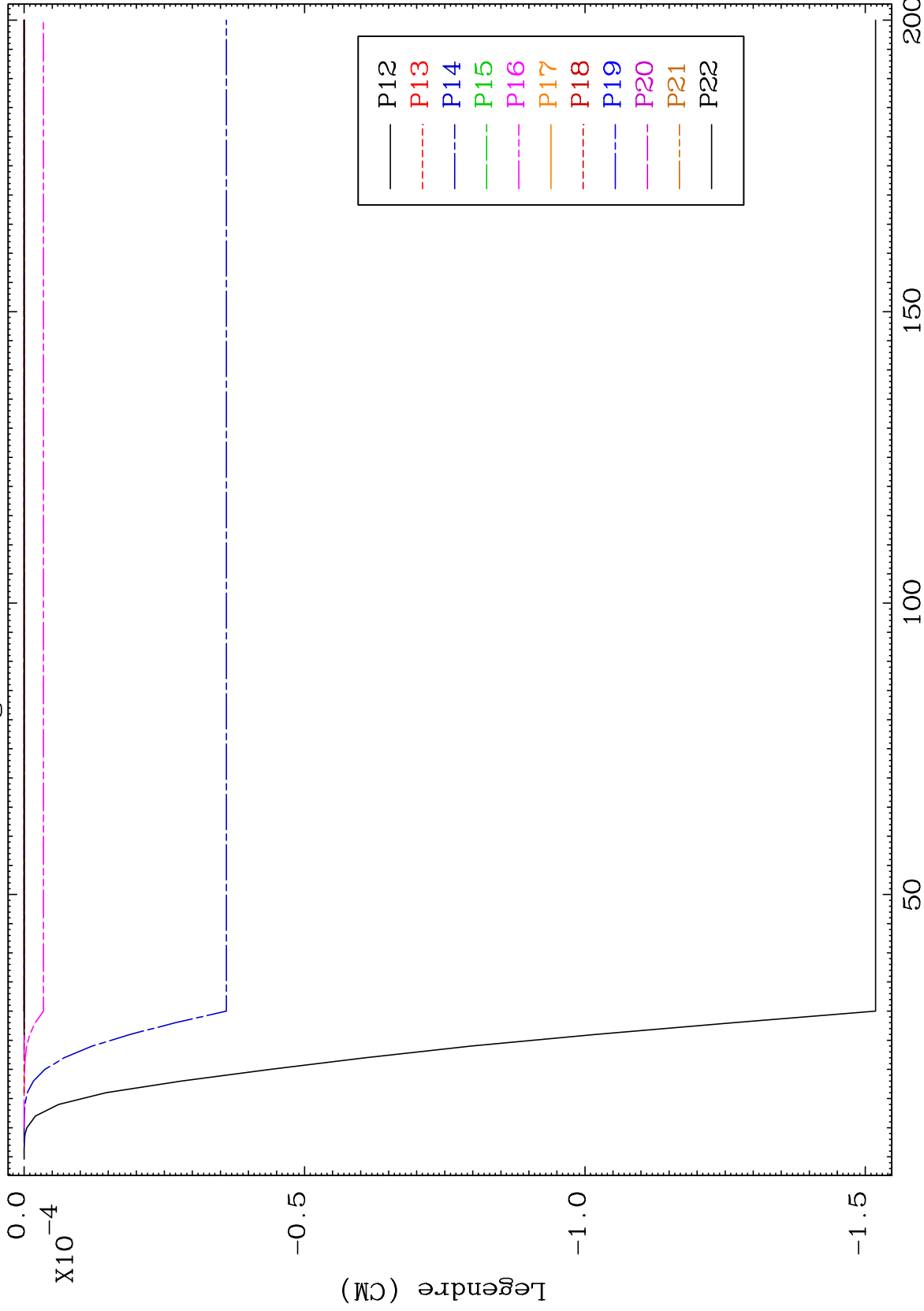
Incident Energy (MeV)

100

MAT 4134

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

41-Nb-96



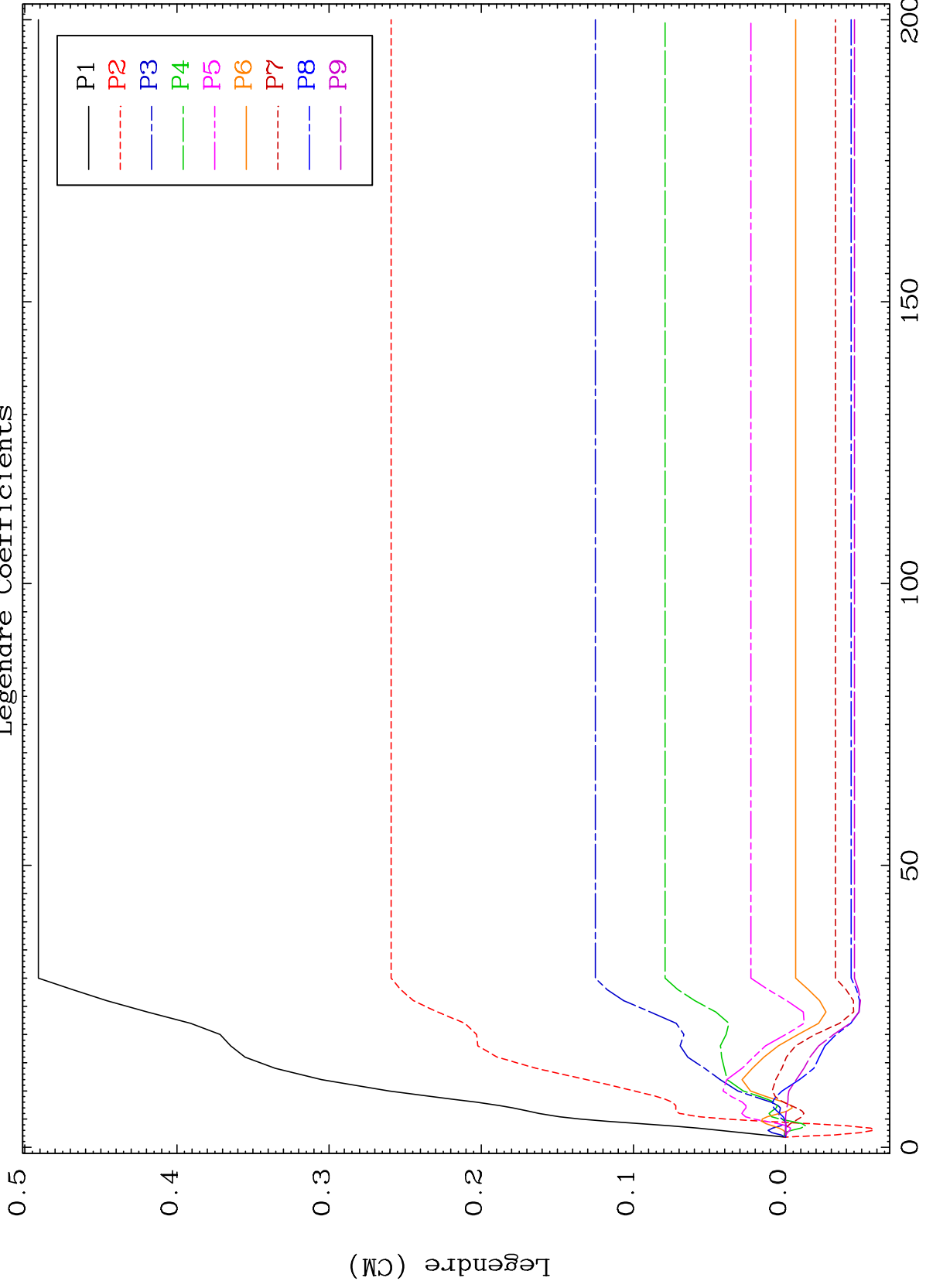
101

41-Nb-96

MAT 4134

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

41-Nb-96



41-Nb-96

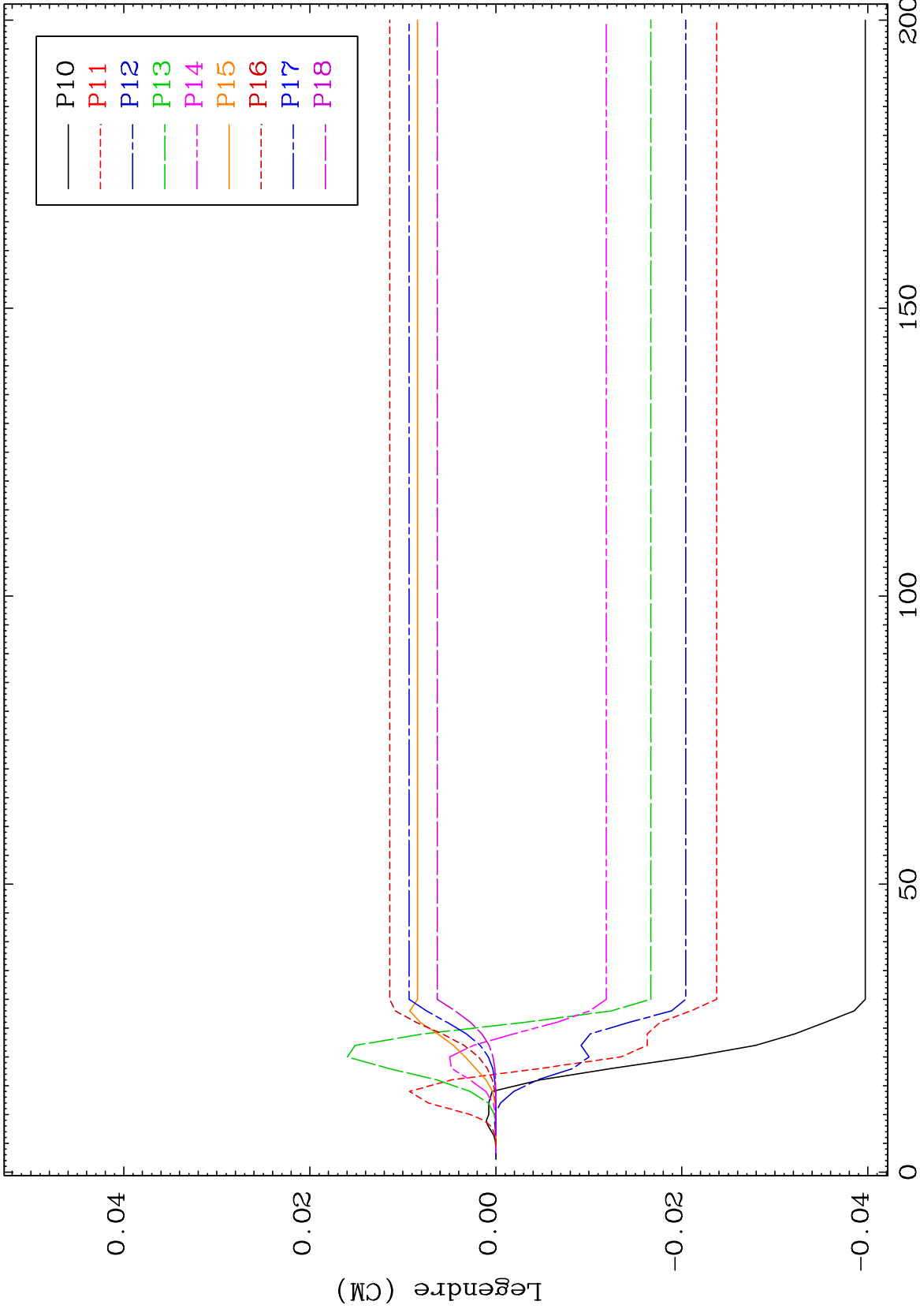
Incident Energy (MeV)

102

MAT 4134

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

41-Nb-96



103

Incident Energy (MeV)

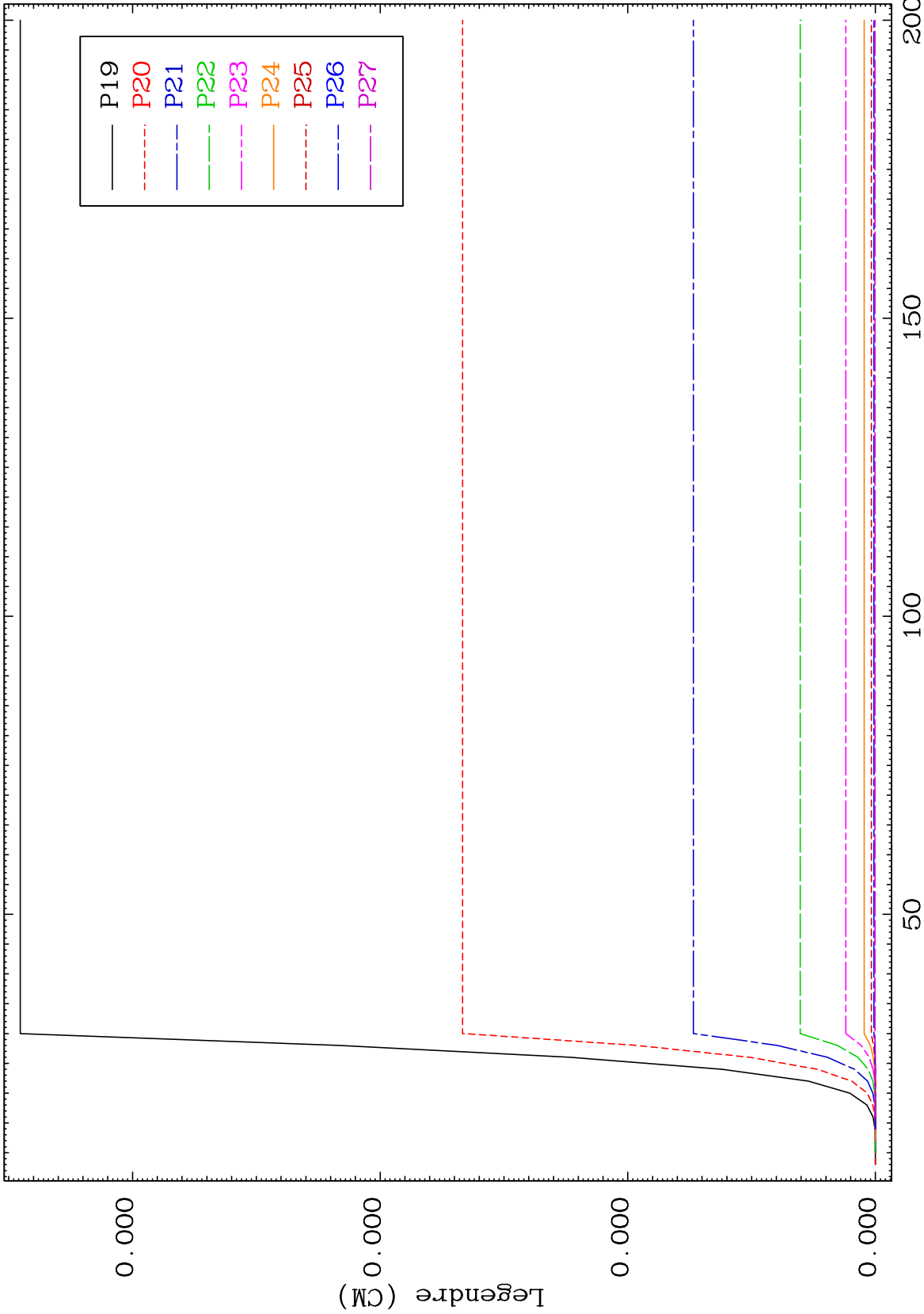
41-Nb-96



MAT 4134

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

41-Nb-96



104

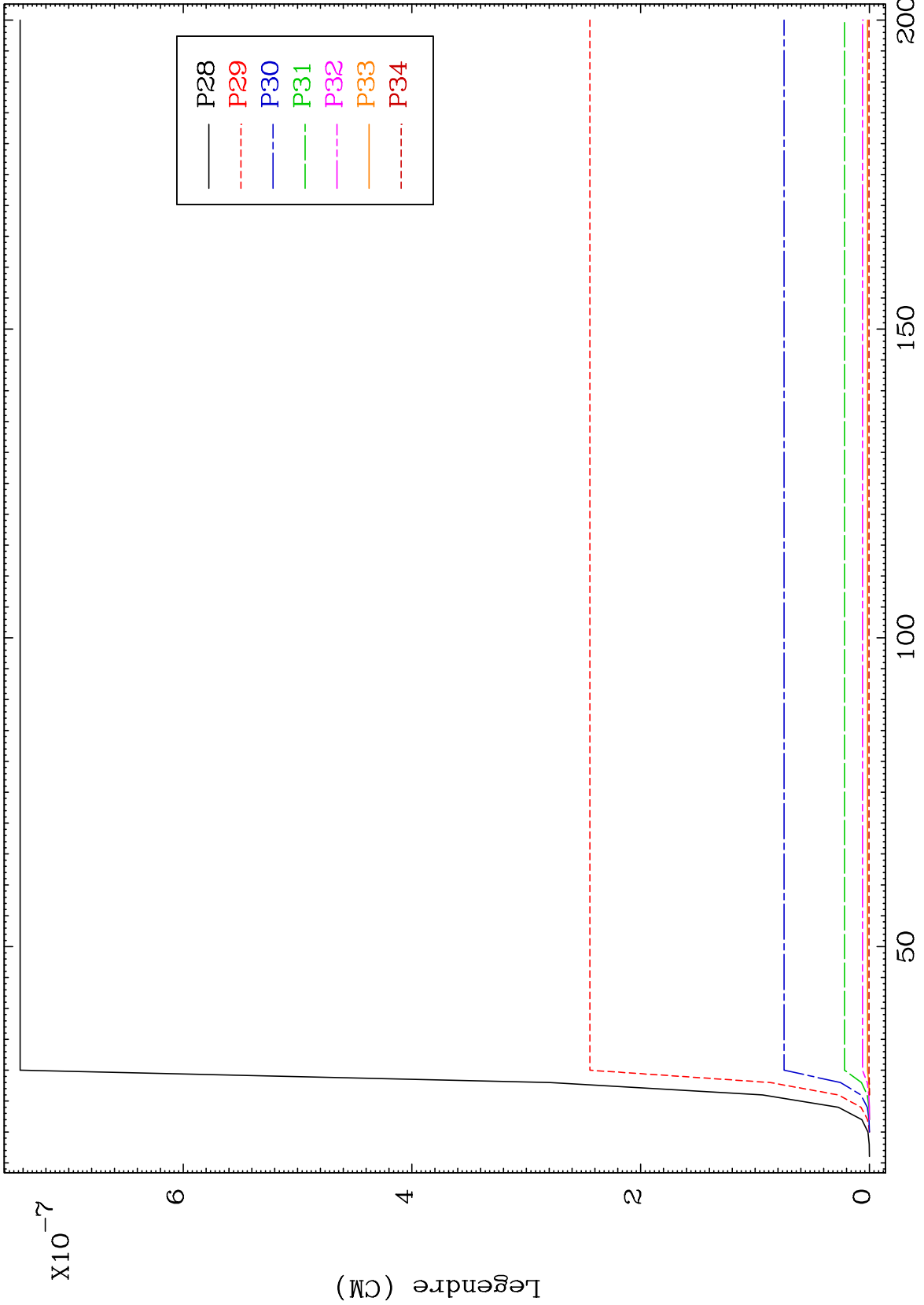
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



105

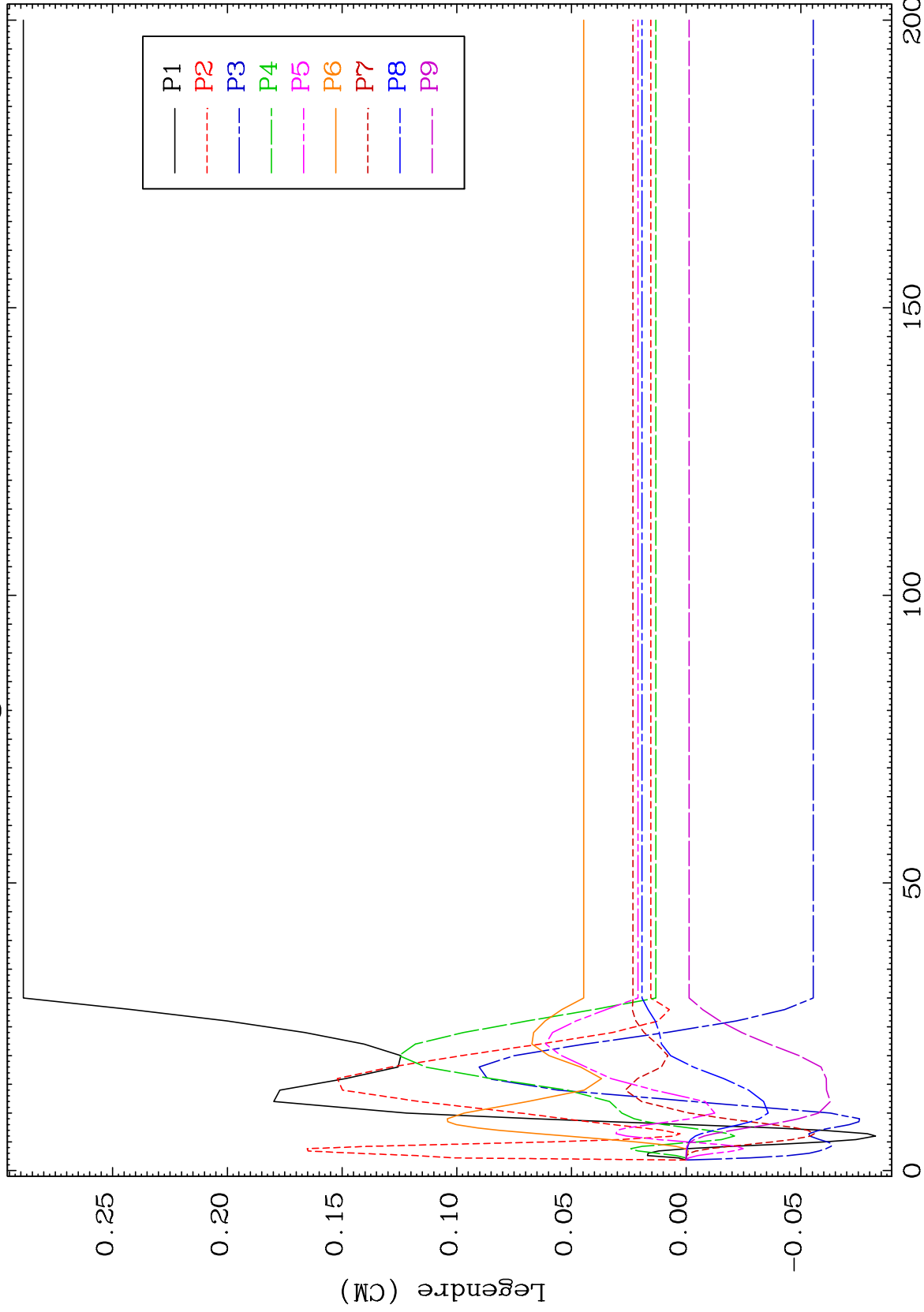
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



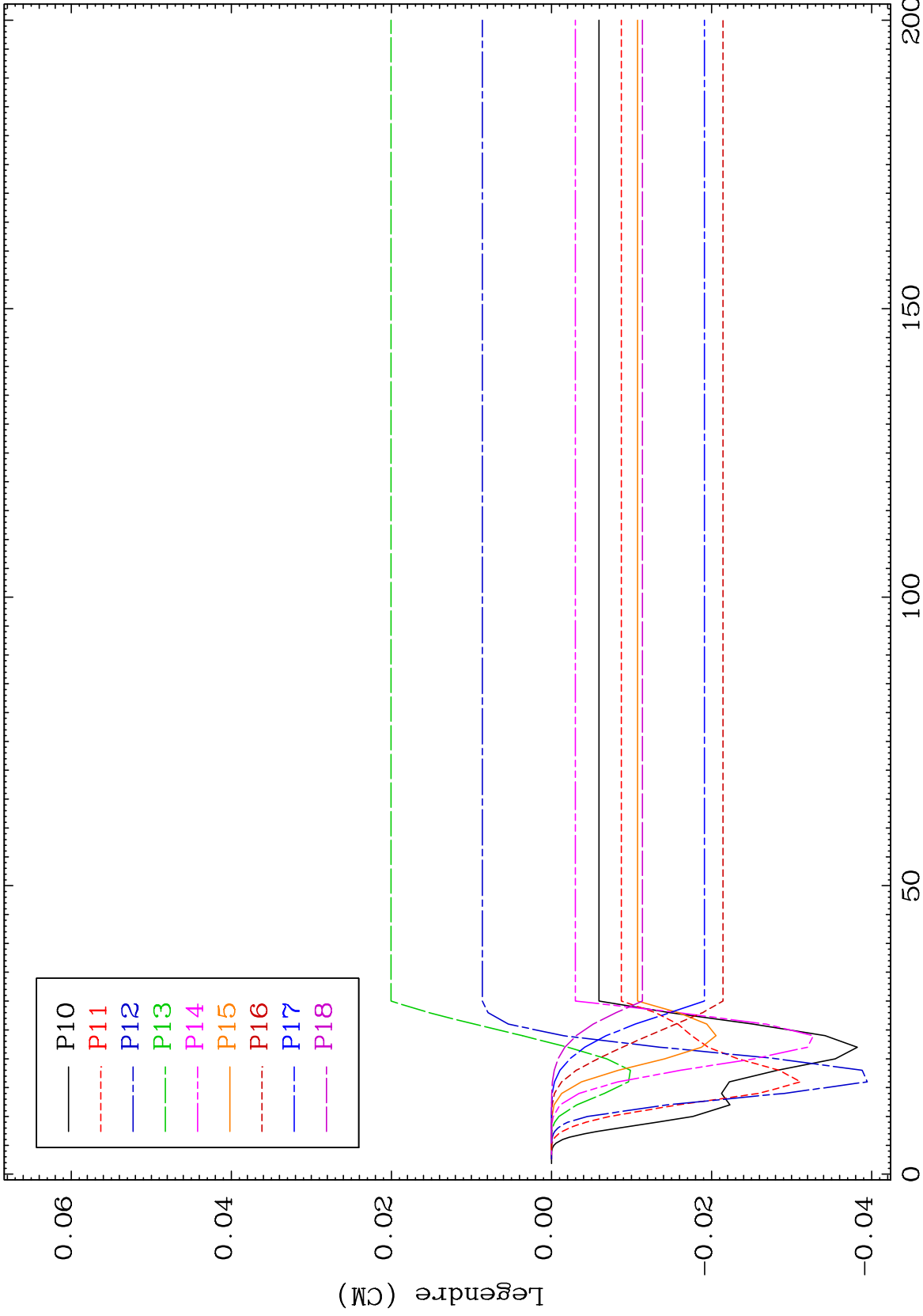
106

41-Nb-96

MAT 4134

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

41-Nb-96



107

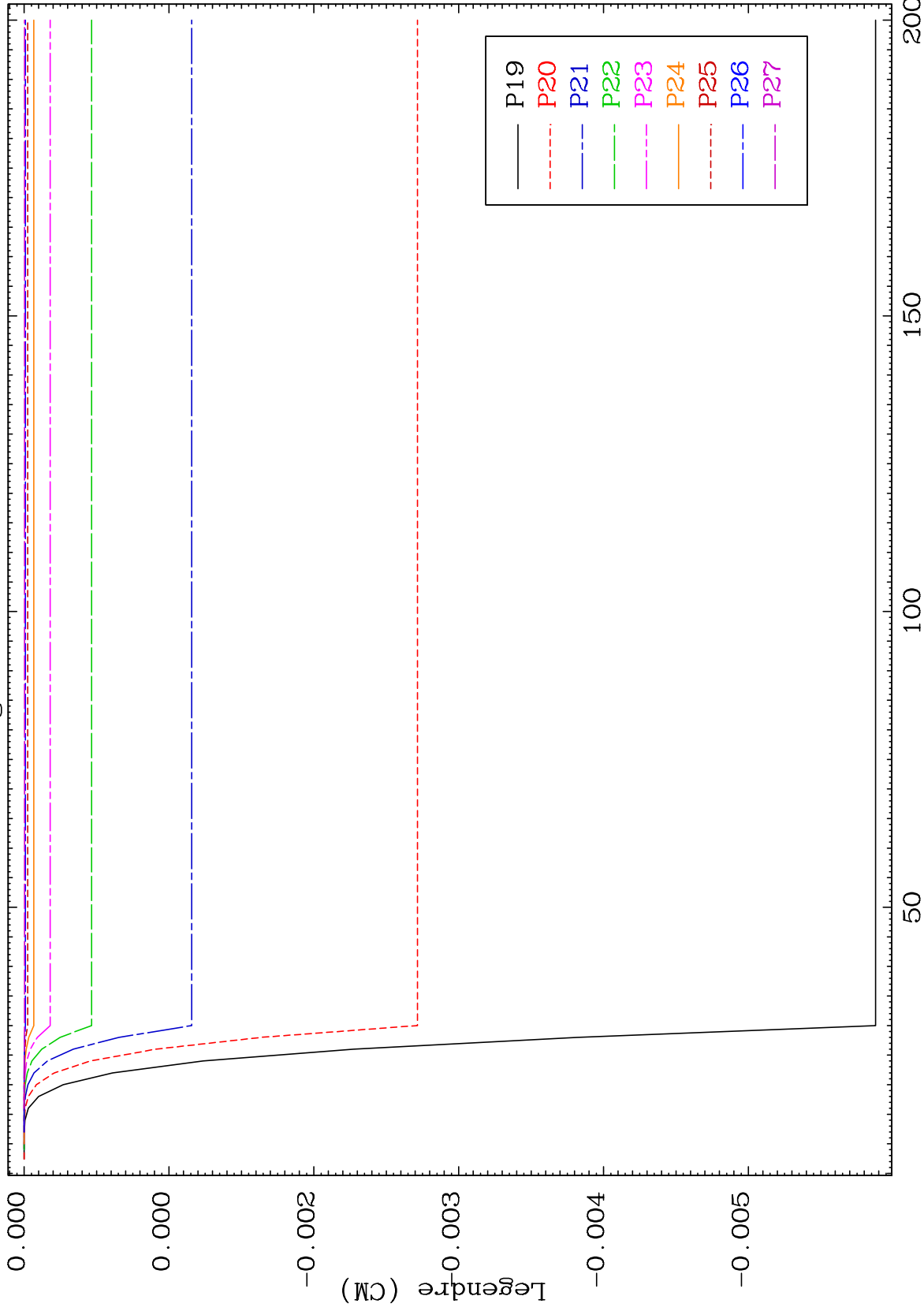
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



41-Nb-96

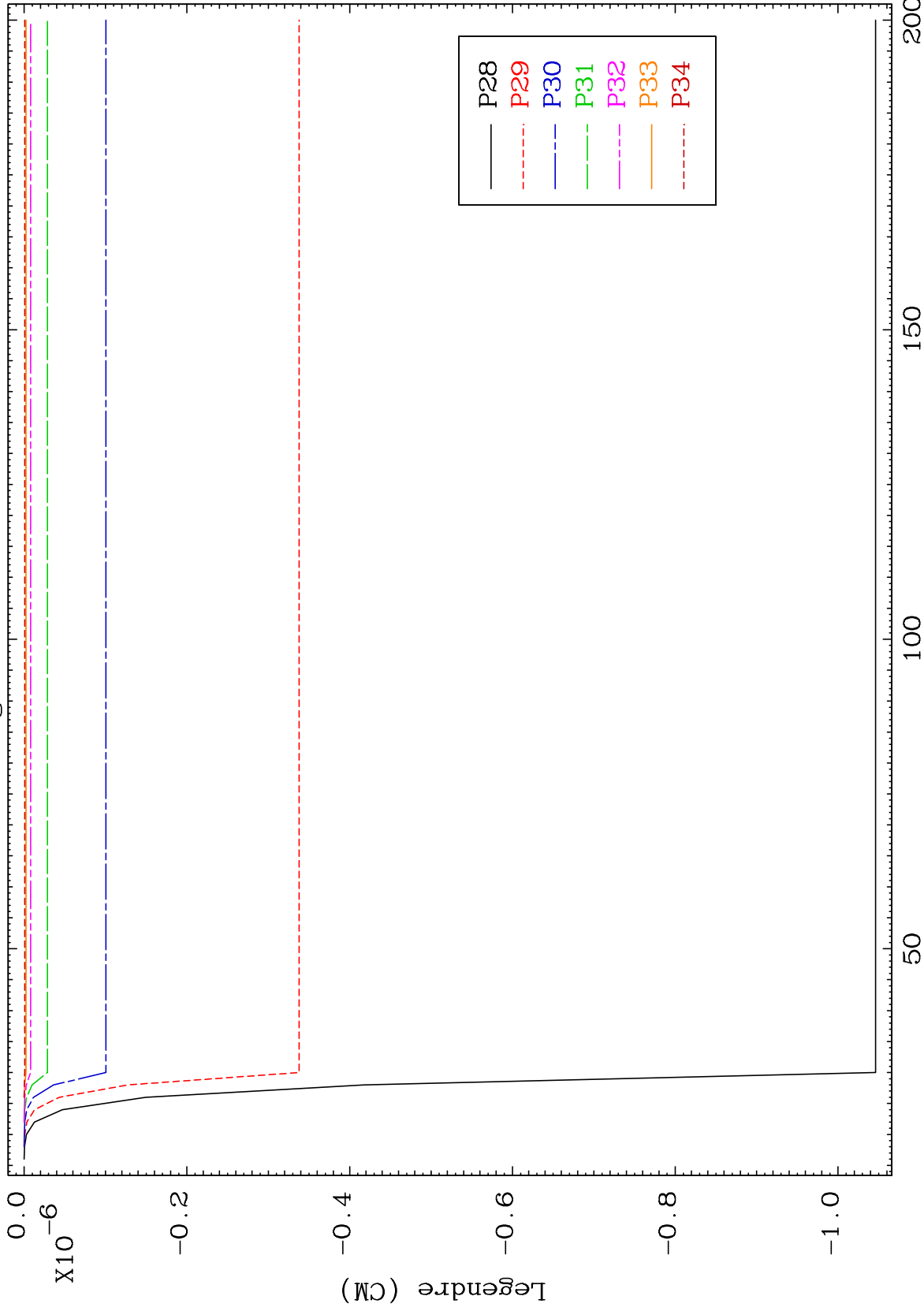
Incident Energy (MeV)

108

MAT 4134

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

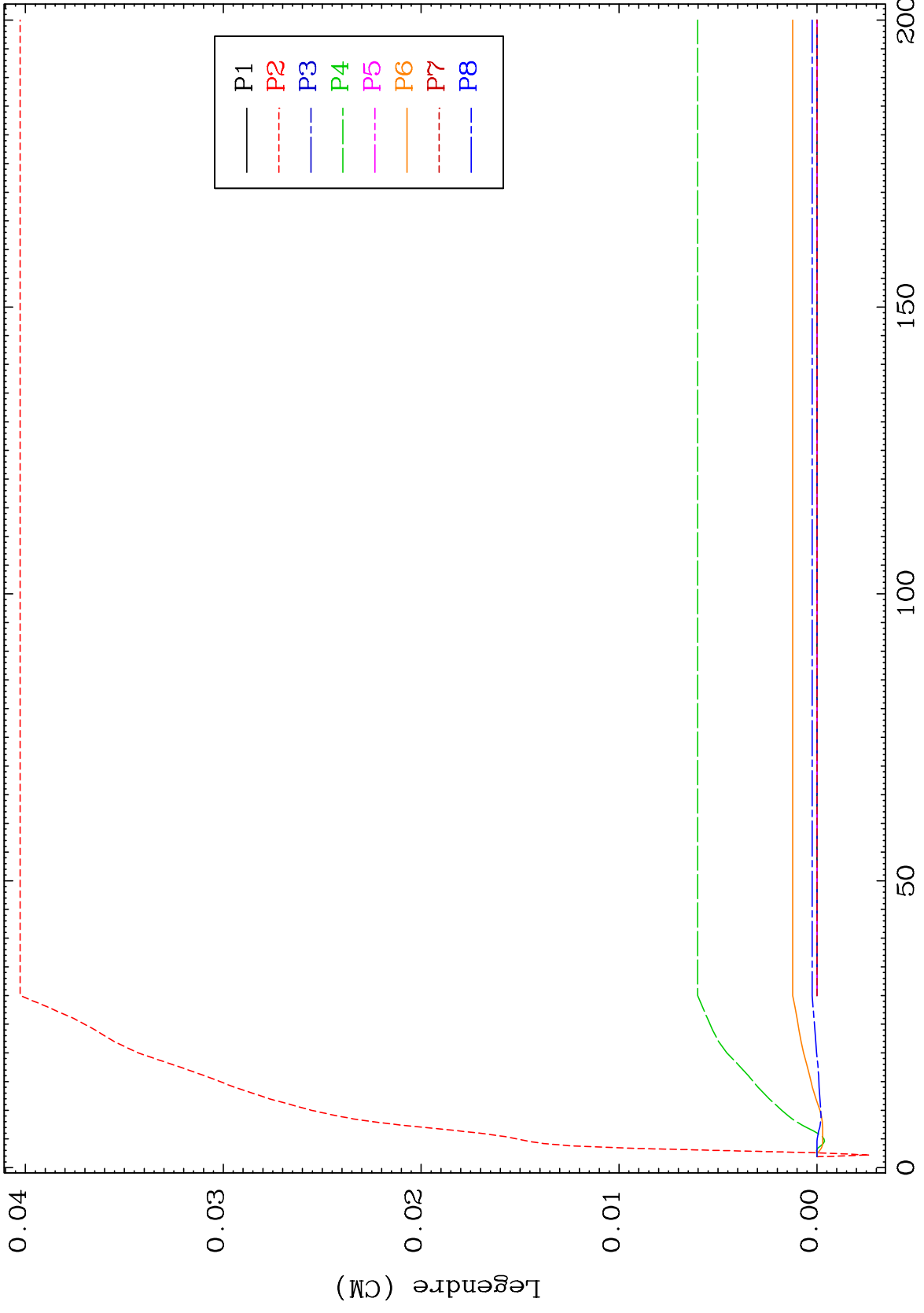
41-Nb-96



109

41-Nb-96

MAT 4134 MT= 78 (n,n') Level Legendre Coefficients 41-Nb-96

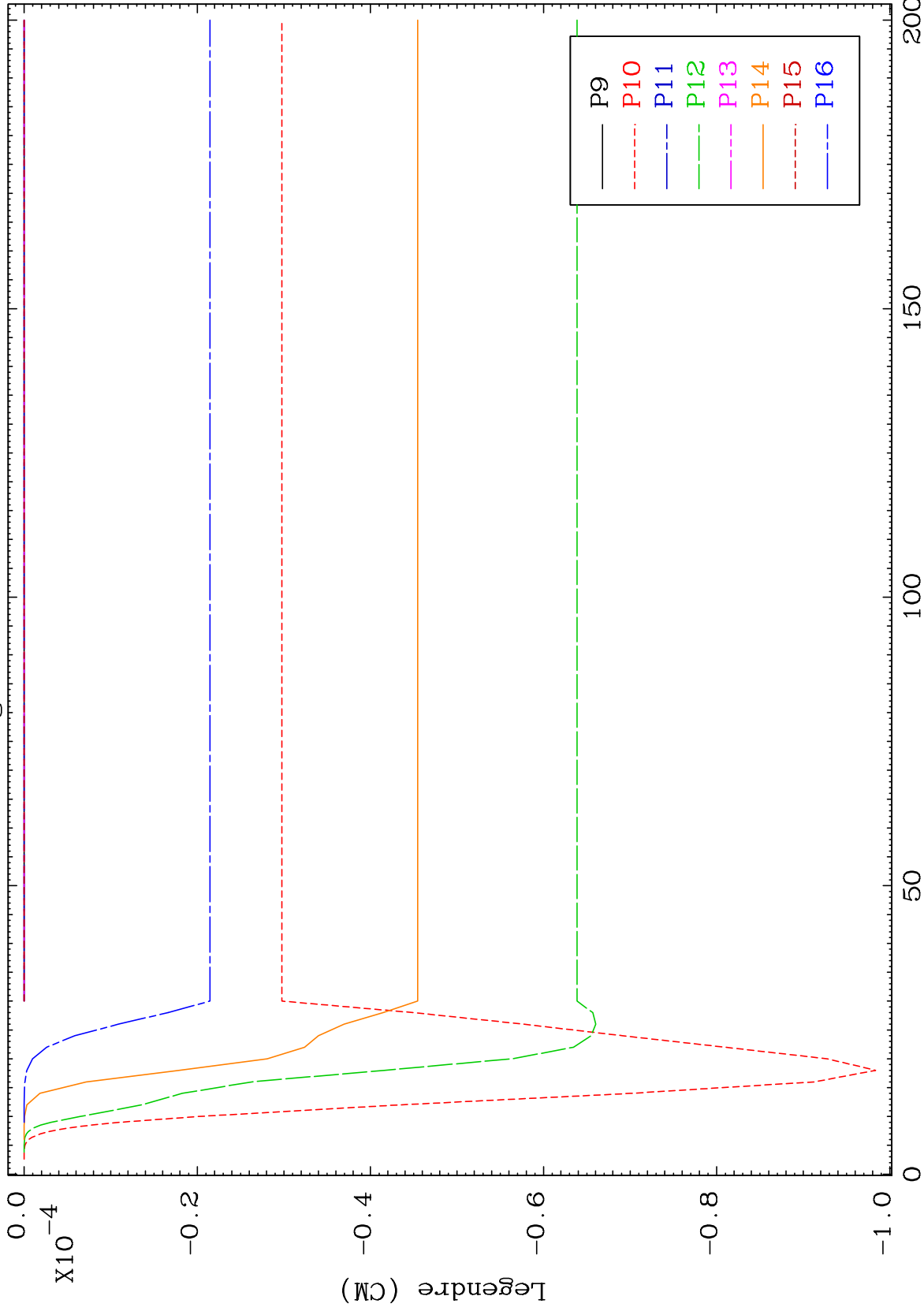


110 Incident Energy (MeV) 41-Nb-96

MAT 4134

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

41-Nb-96



111

Incident Energy (MeV)

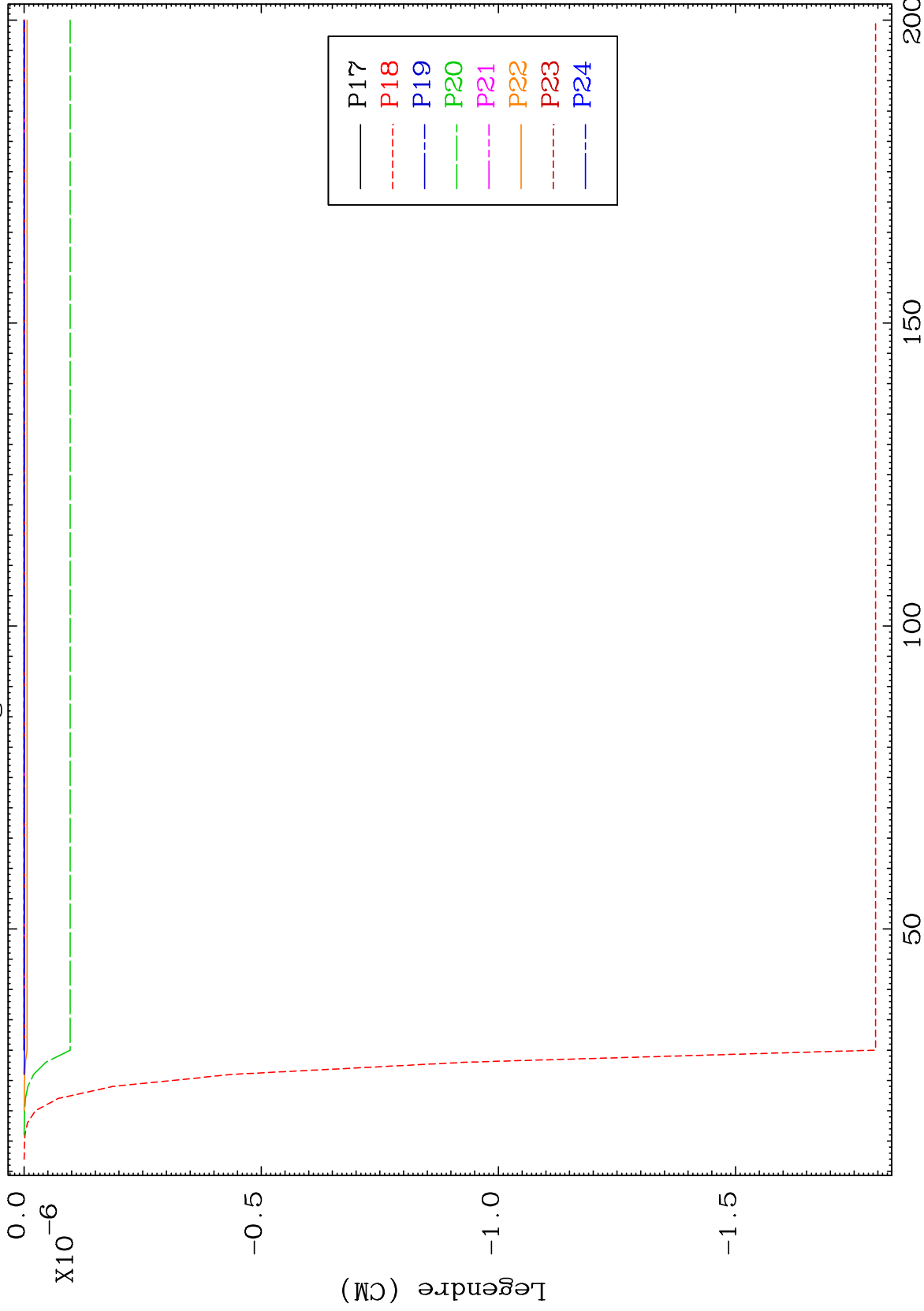
41-Nb-96



MAT 4134

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

41-Nb-96



41-Nb-96

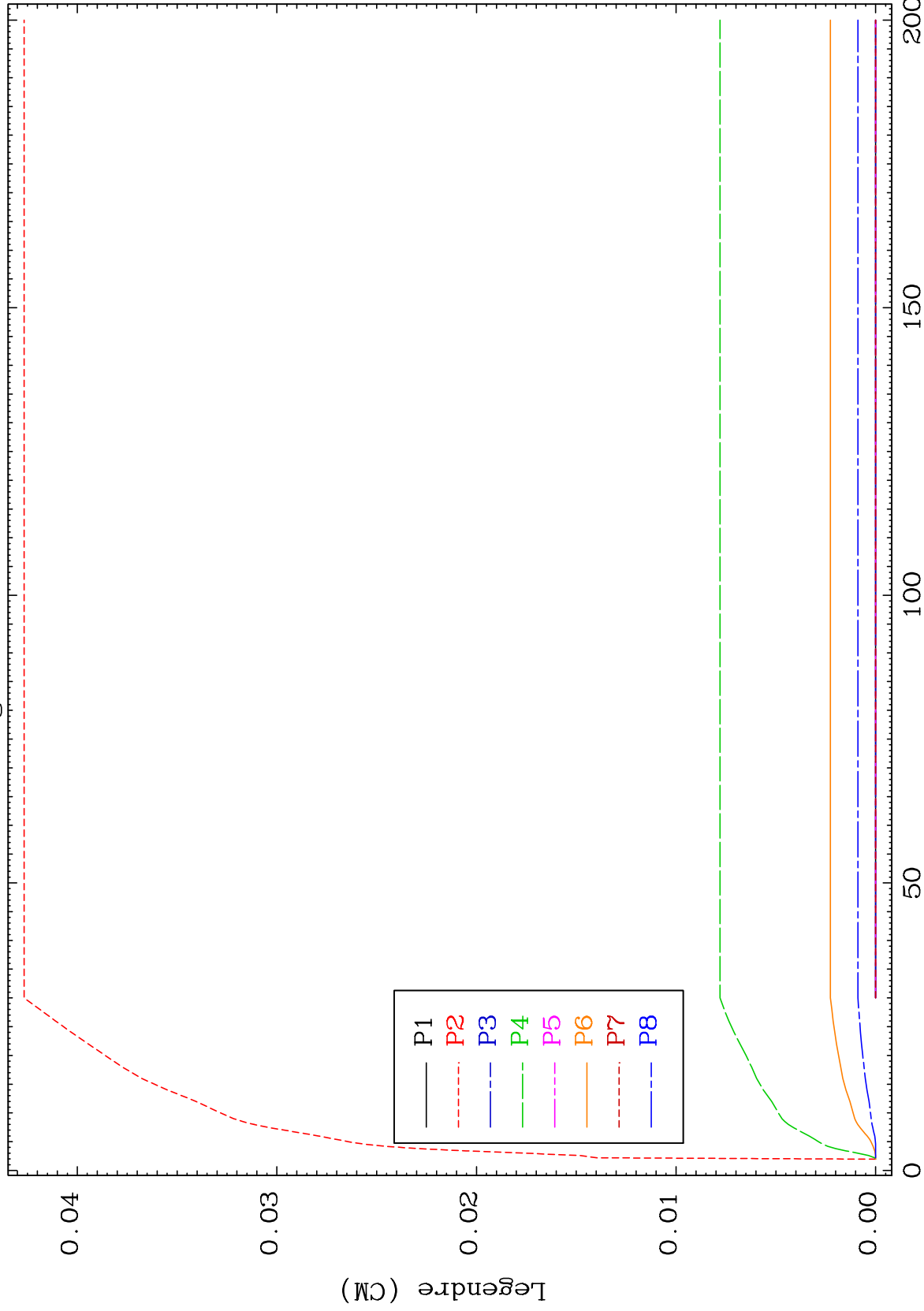
Incident Energy (MeV)

112

MAT 4134

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

41-Nb-96



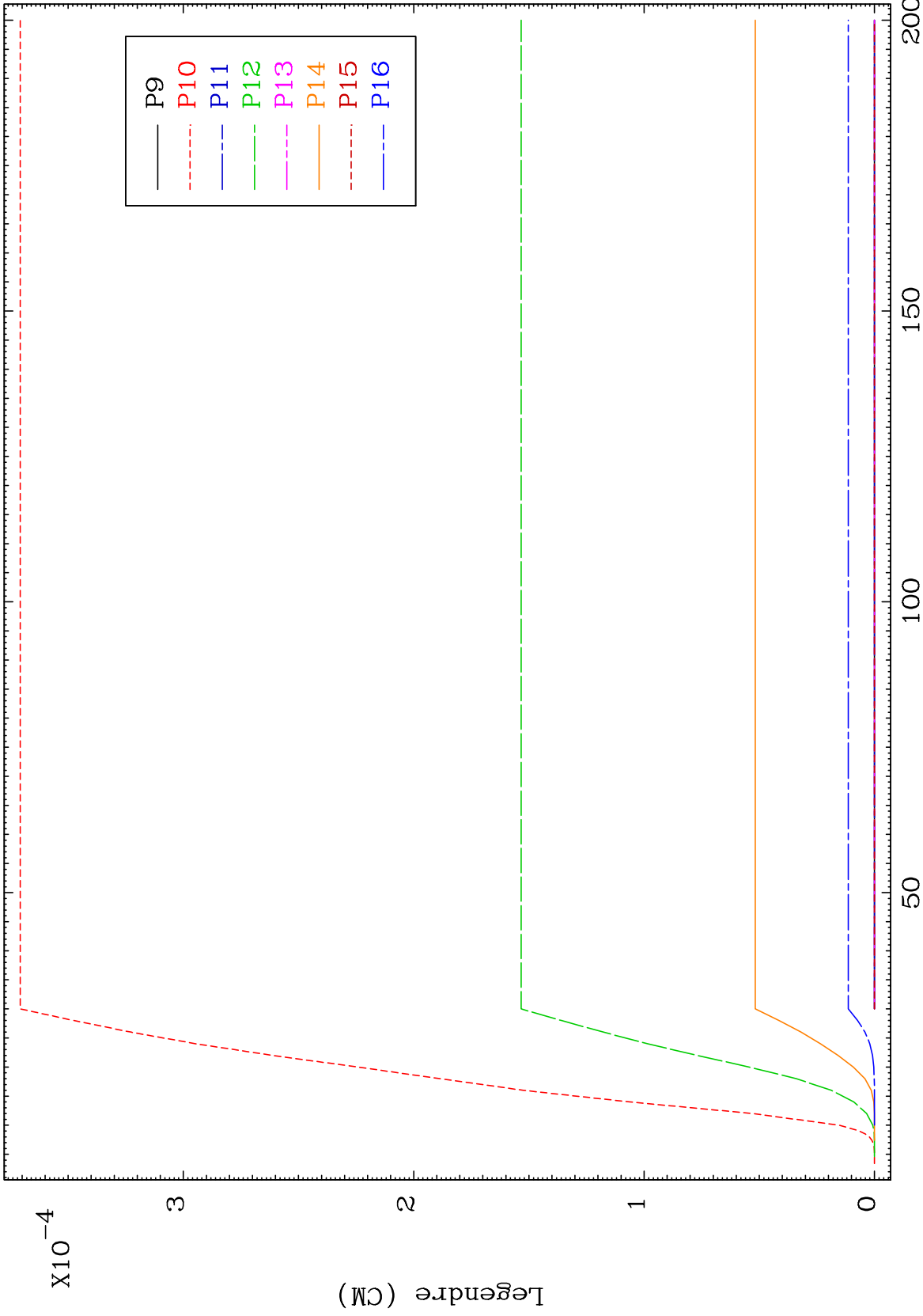
113

41-Nb-96

MAT 4134

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

41-Nb-96



114

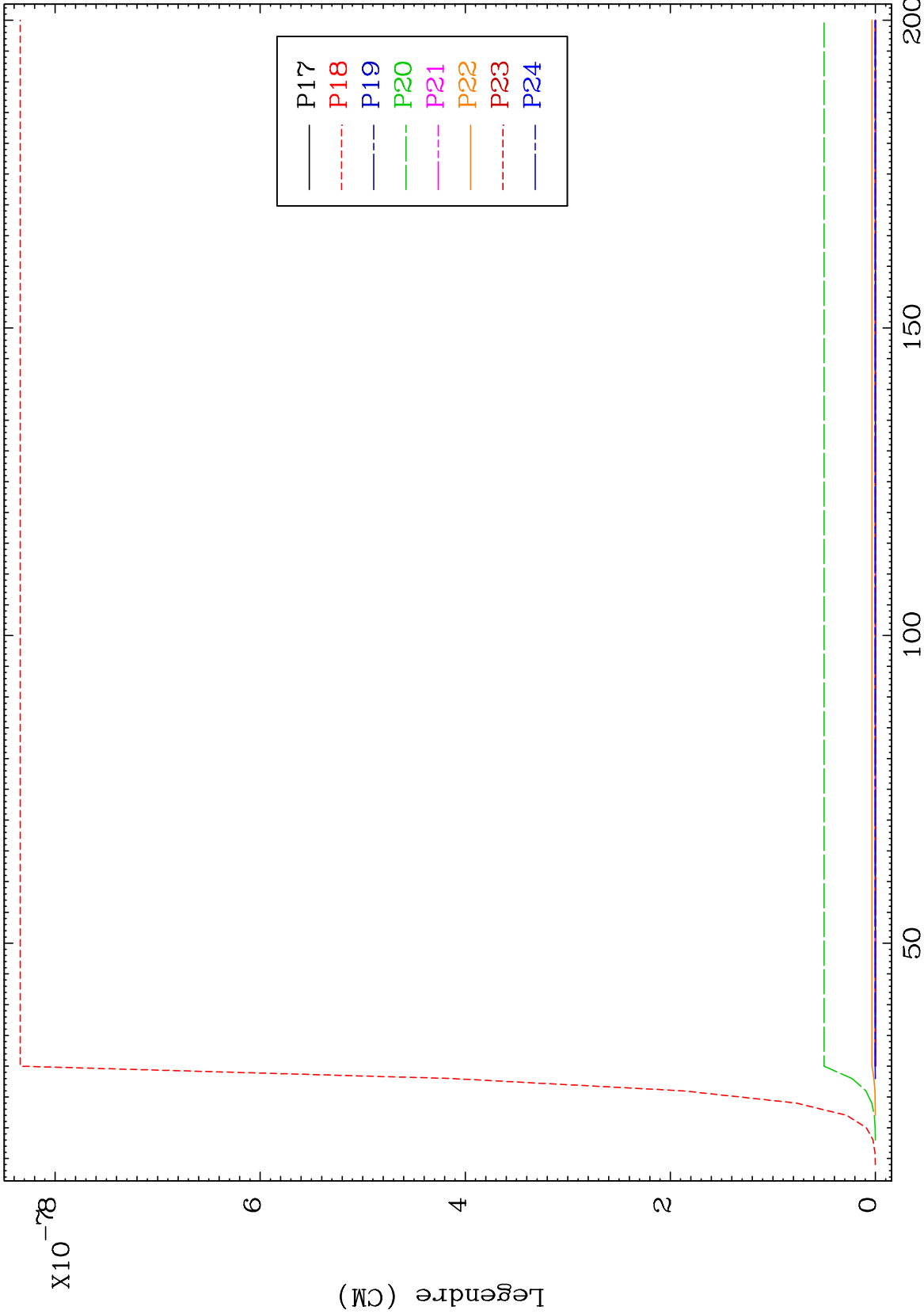
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



115

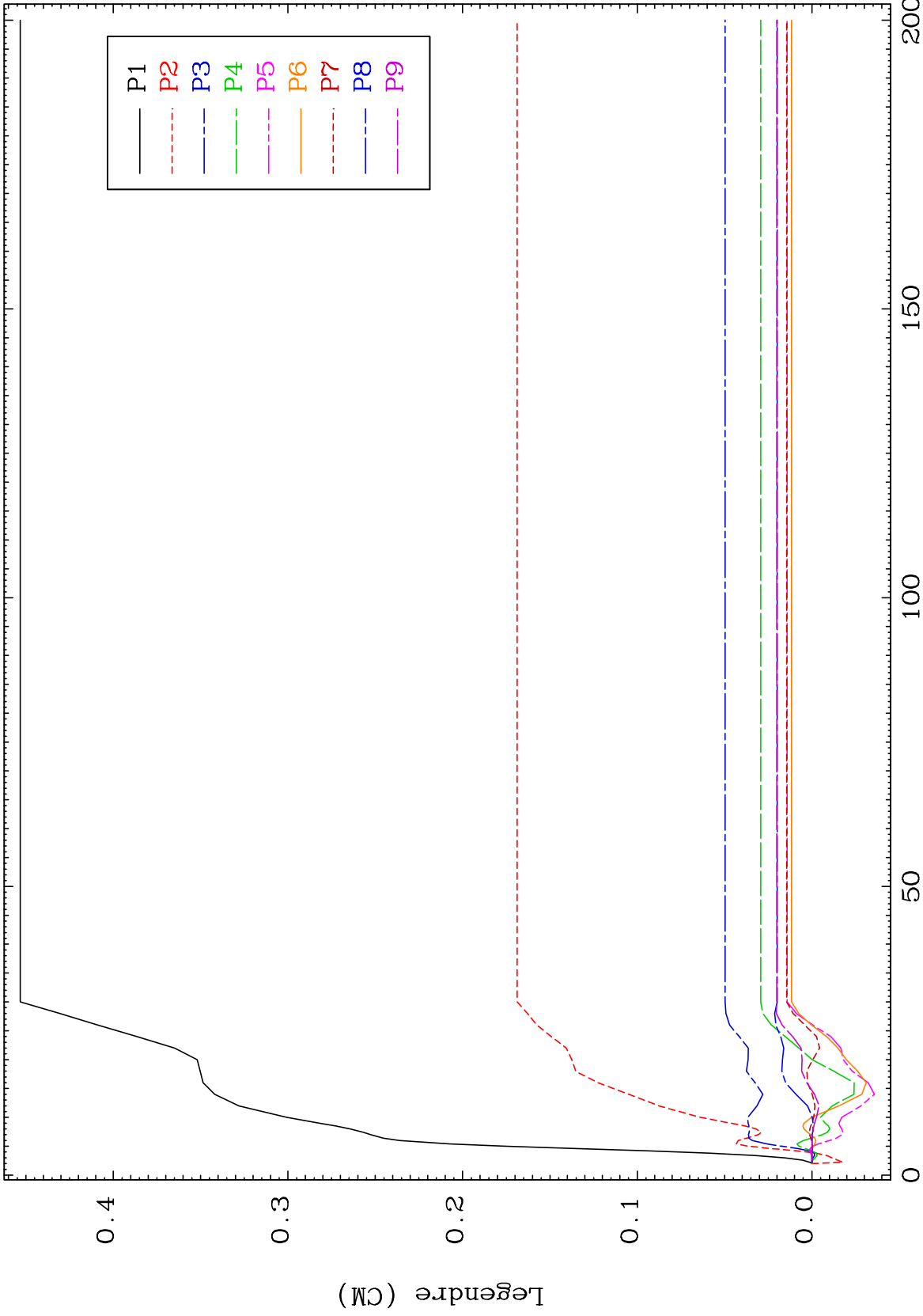
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



116

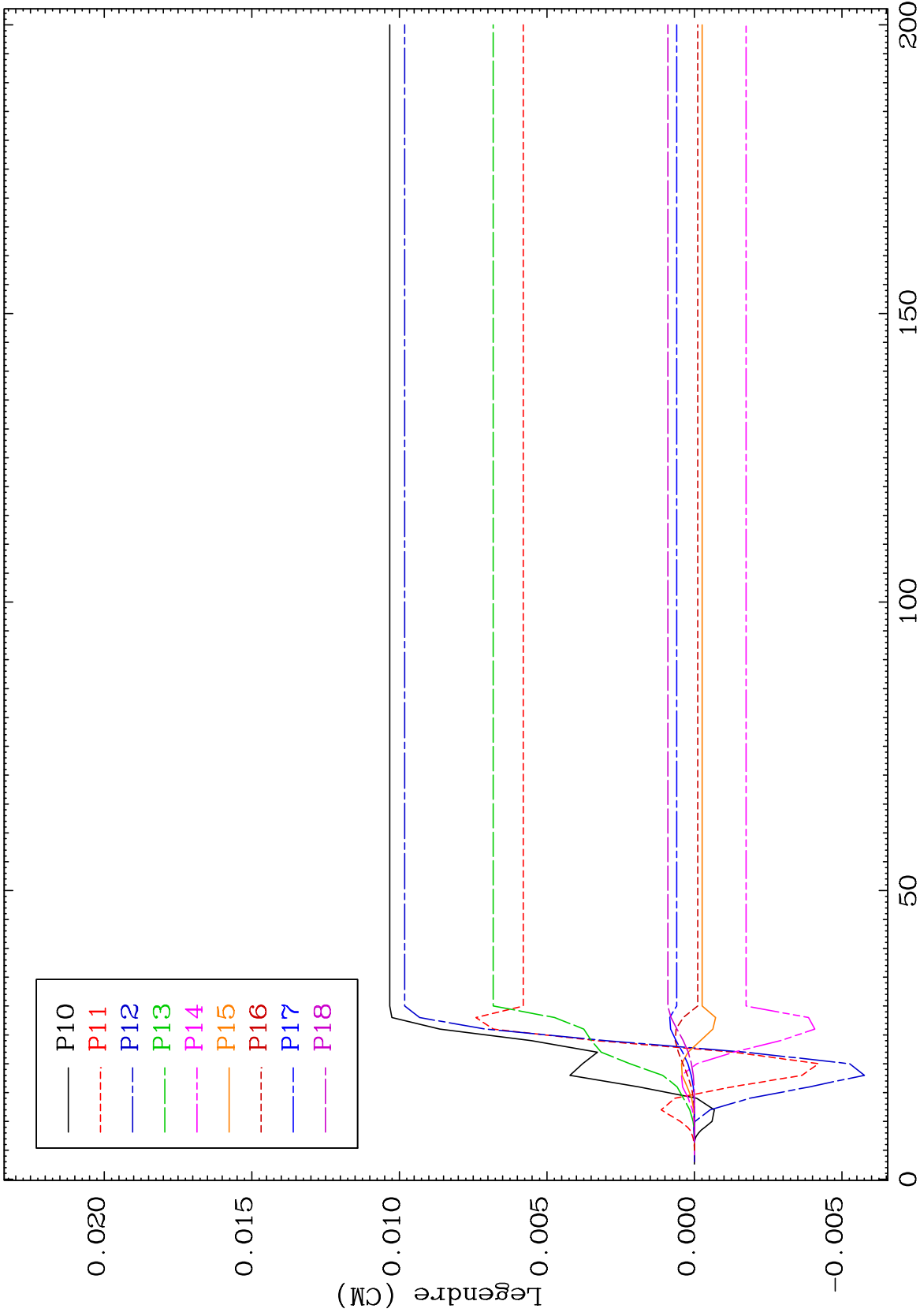
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



117

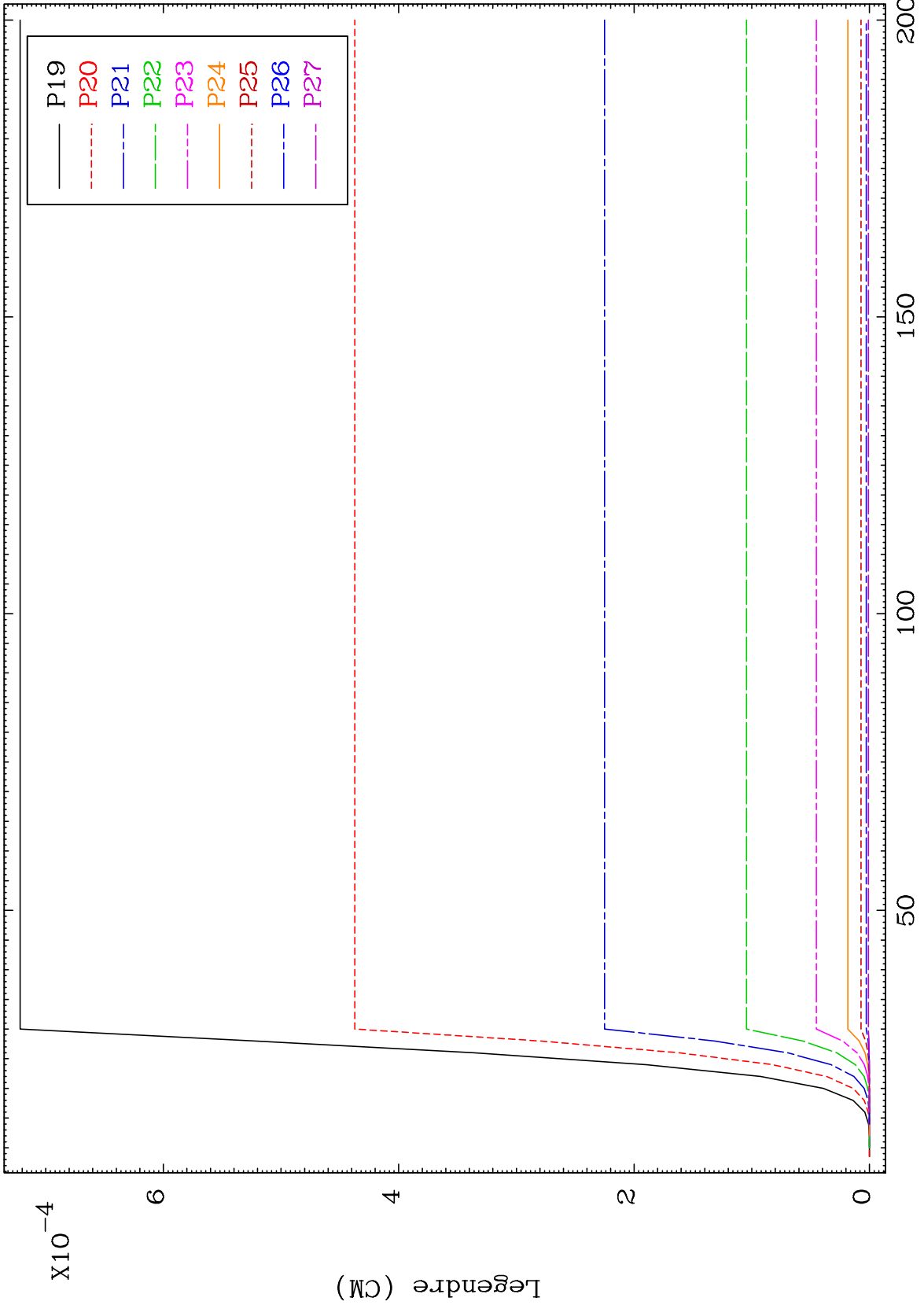
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



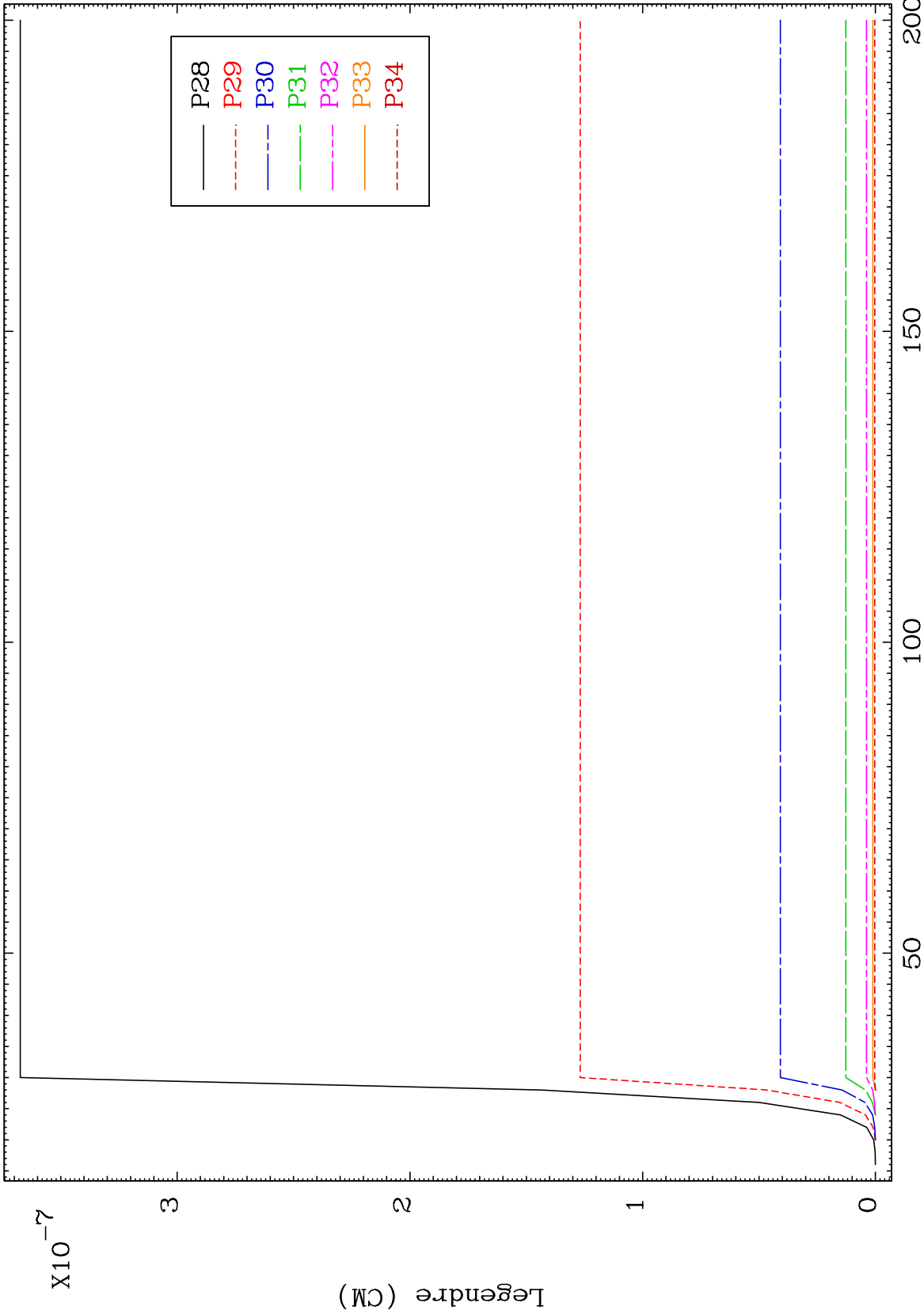
118

41-Nb-96

MAT 4134

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

41-Nb-96



119

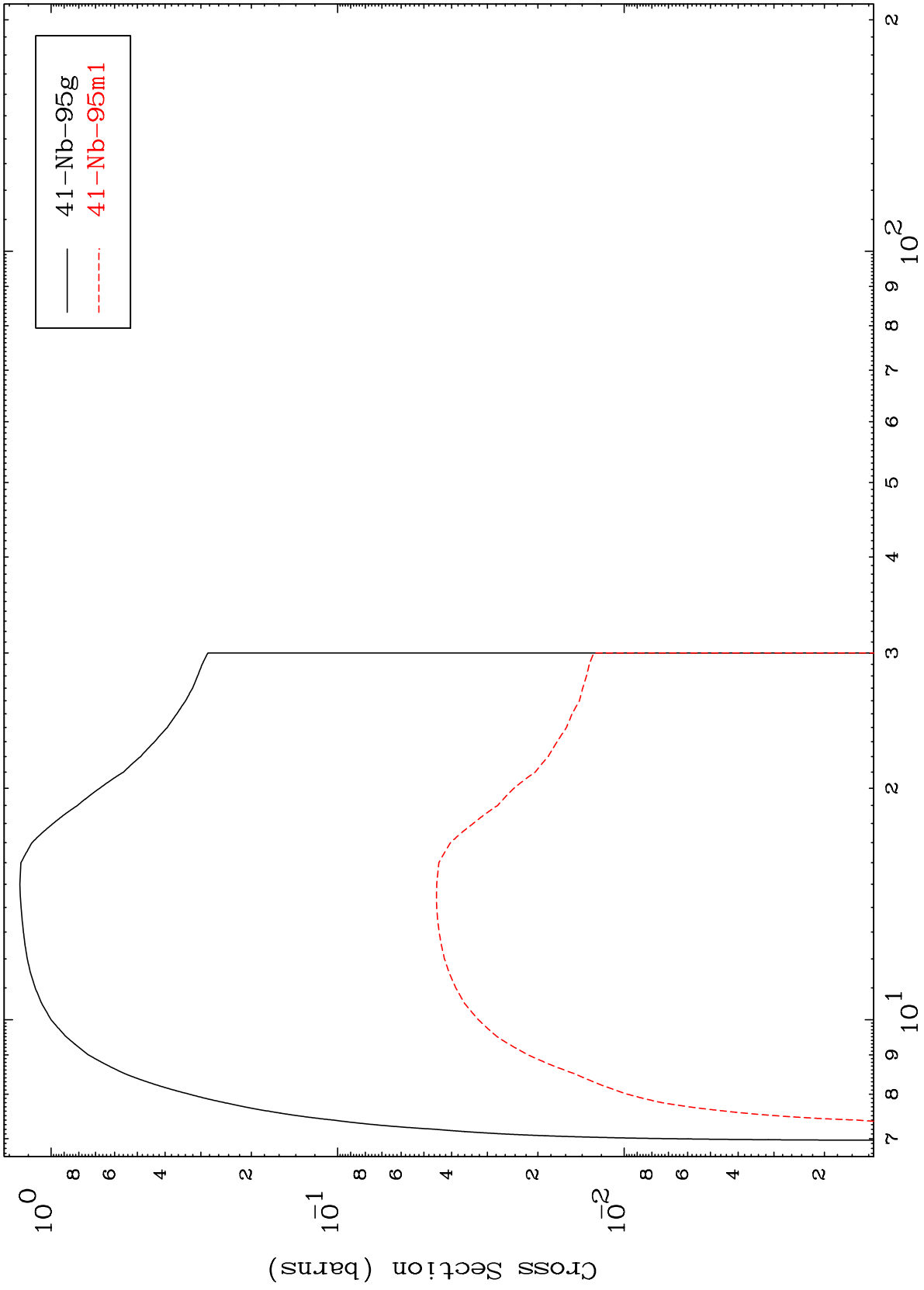
41-Nb-96



MAT 4134

41-Nb-96

(n,2n)  
Radionuclide Production Cross Section



120

Incident Energy (MeV)

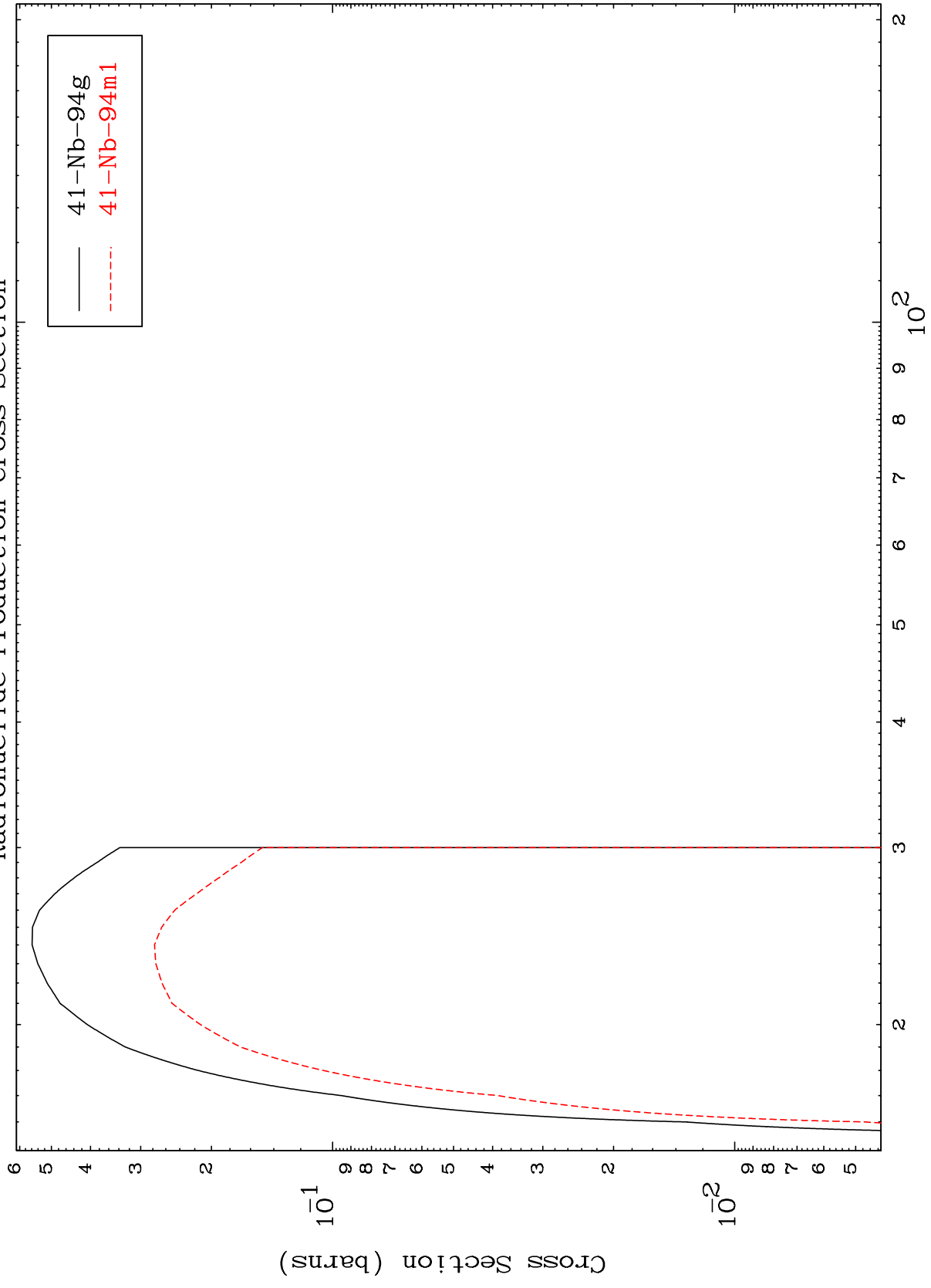
41-Nb-96

MAT 4134

(n,3n)

41-Nb-96

Radionuclide Production Cross Section



121

Incident Energy (MeV)

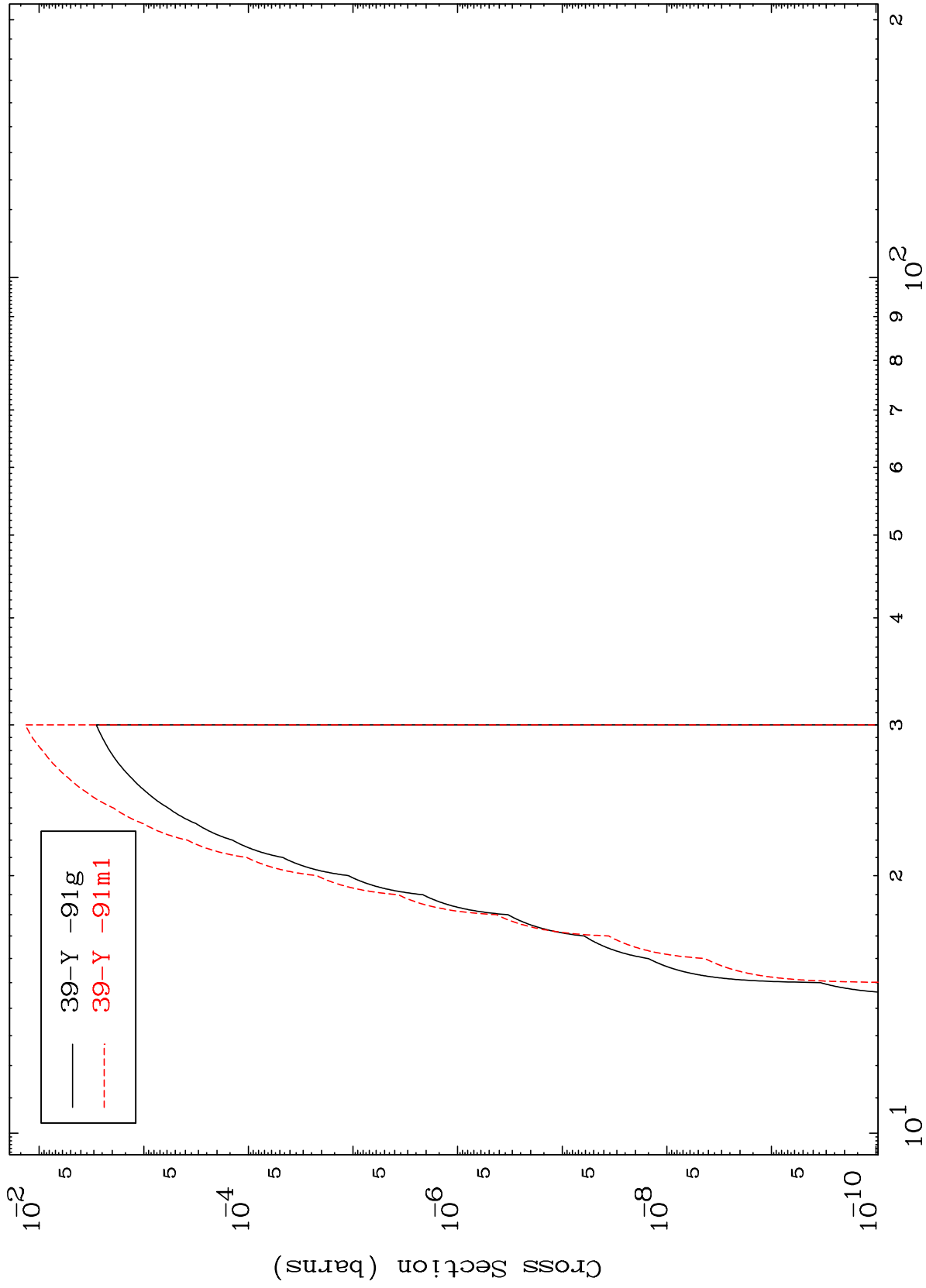
41-Nb-96

MAT 4134

(n,2n)  $\alpha$

41-Nb-96

Radionuclide Production Cross Section



122

Incident Energy (MeV)

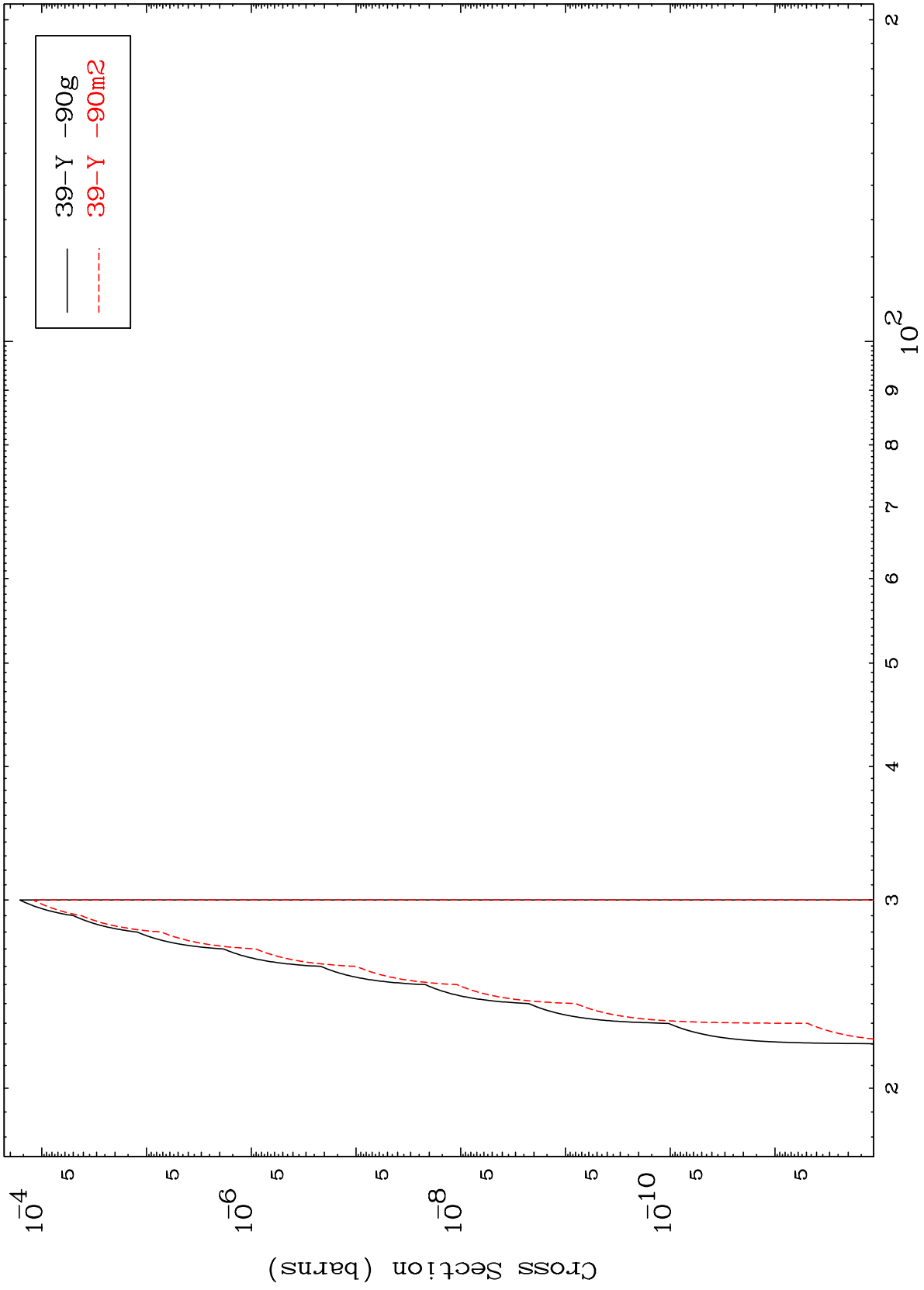
41-Nb-96

MAT 4134

(n,3n)  $\alpha$

41-Nb-96

Radionuclide Production Cross Section



123

Incident Energy (MeV)

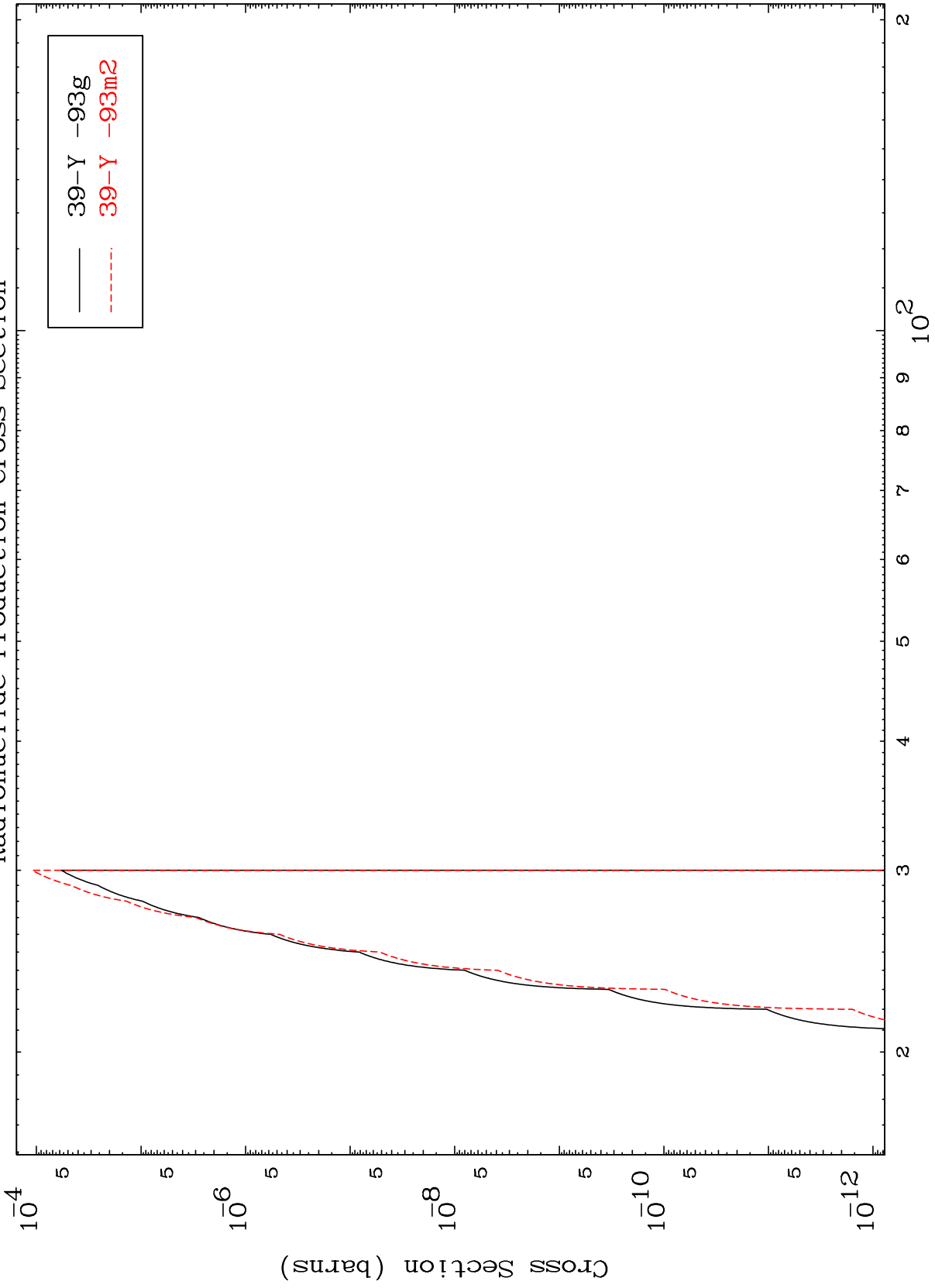
41-Nb-96

MAT 4134

(n, n') He-3

41-Nb-96

Radionuclide Production Cross Section



124

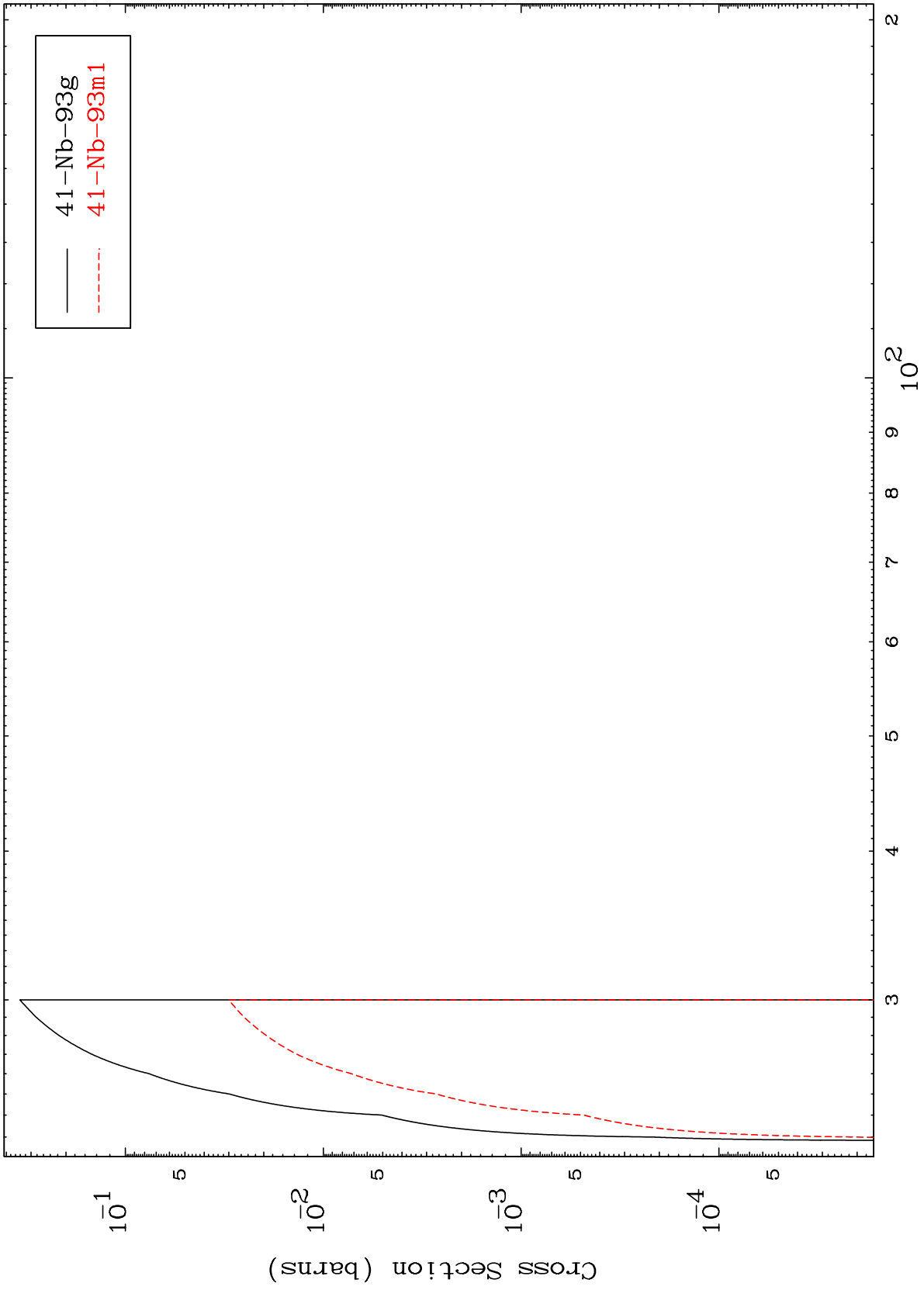
Incident Energy (MeV)

41-Nb-96

MAT 4134

41-Nb-96

(n,4n)  
Radionuclide Production Cross Section



41-Nb-93g  
41-Nb-93m1

125

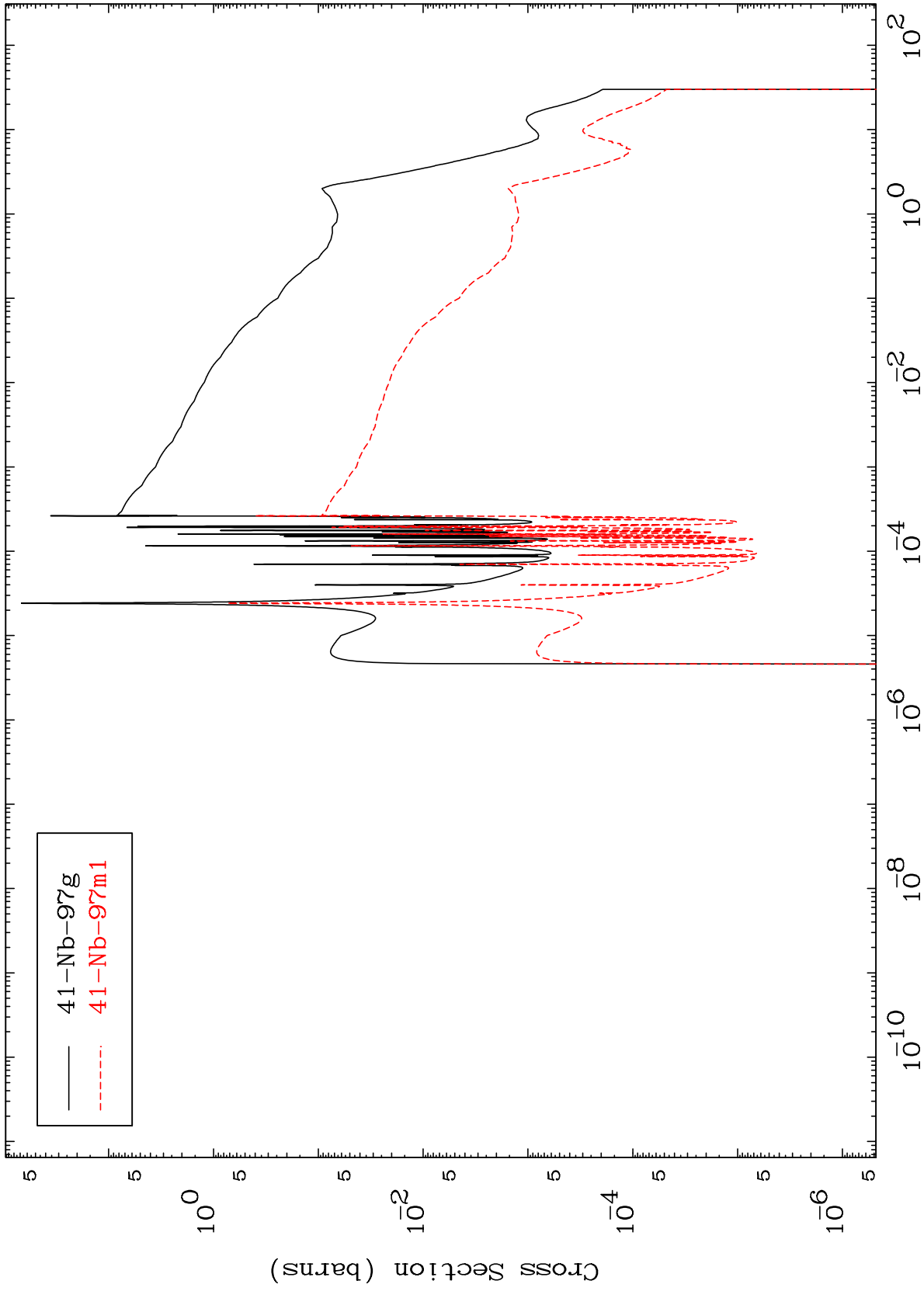
41-Nb-96

Incident Energy (MeV)

MAT 4134

41-Nb-96

Radionuclide Production Cross Section



126

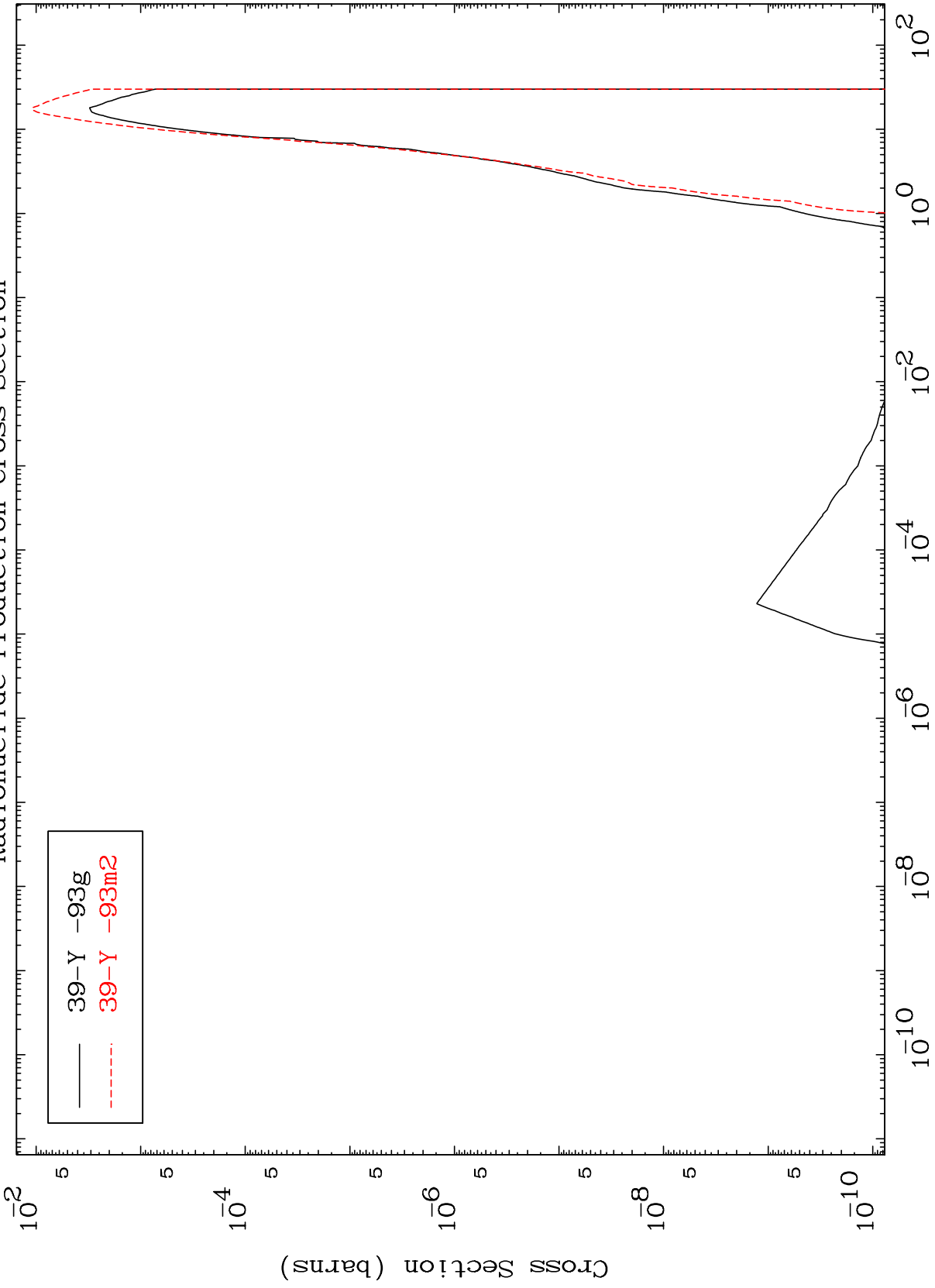
41-Nb-96

MAT 4134

(n,  $\alpha$ )

41-Nb-96

Radionuclide Production Cross Section



127

Incident Energy (MeV)

41-Nb-96

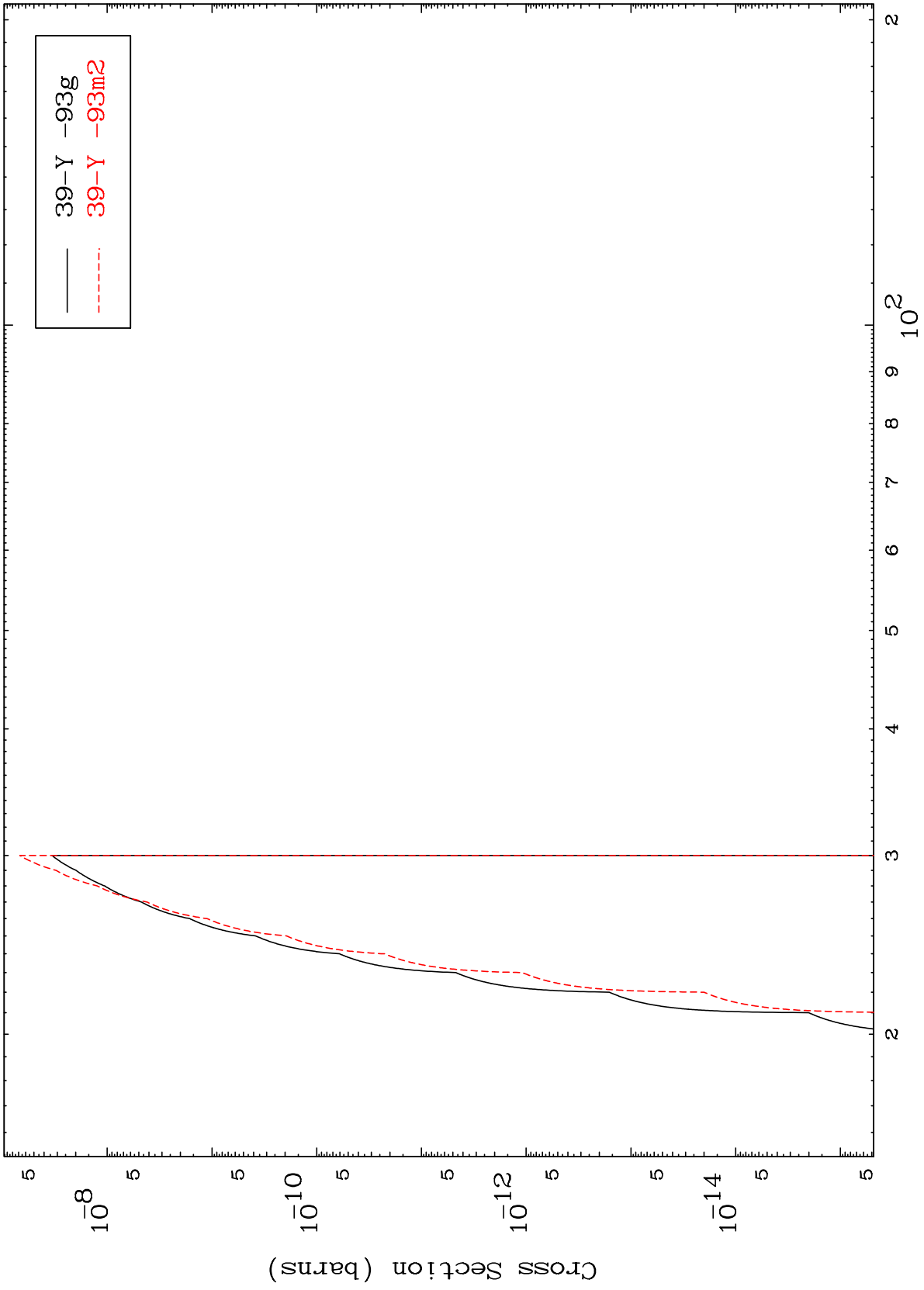


MAT 4134

(n,p) t

41-Nb-96

Radionuclide Production Cross Section



128

Incident Energy (MeV)

41-Nb-96