

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

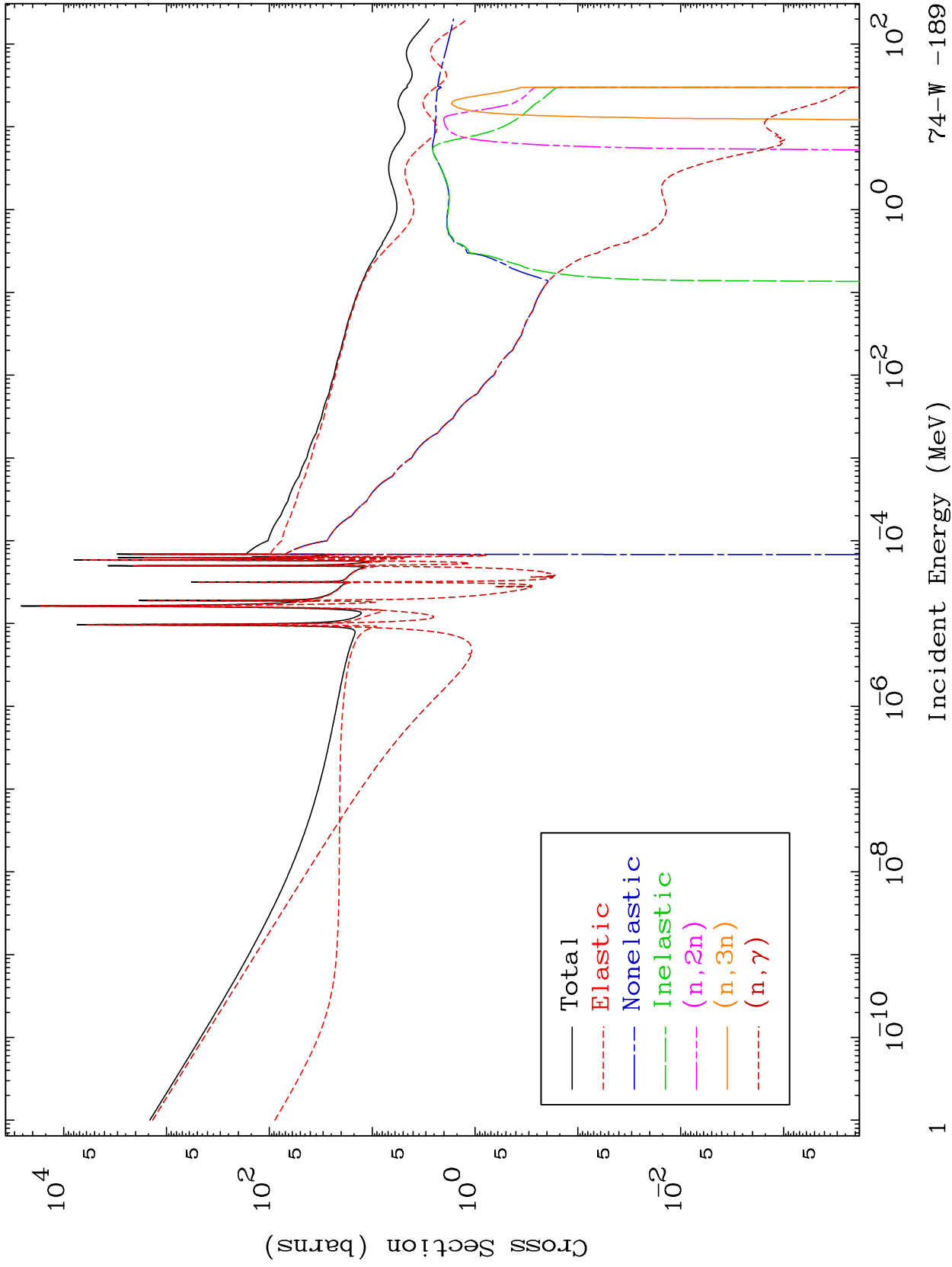
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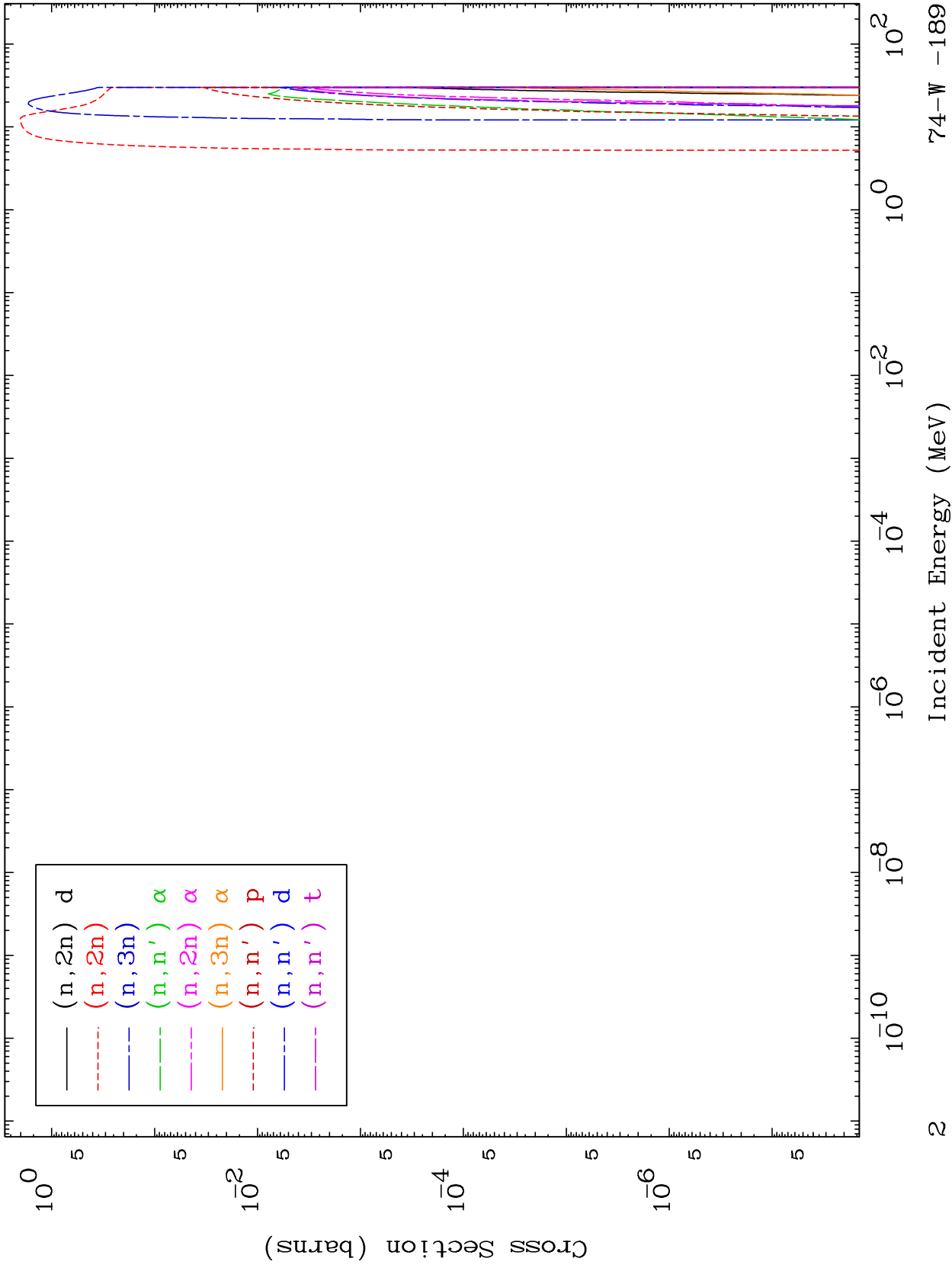
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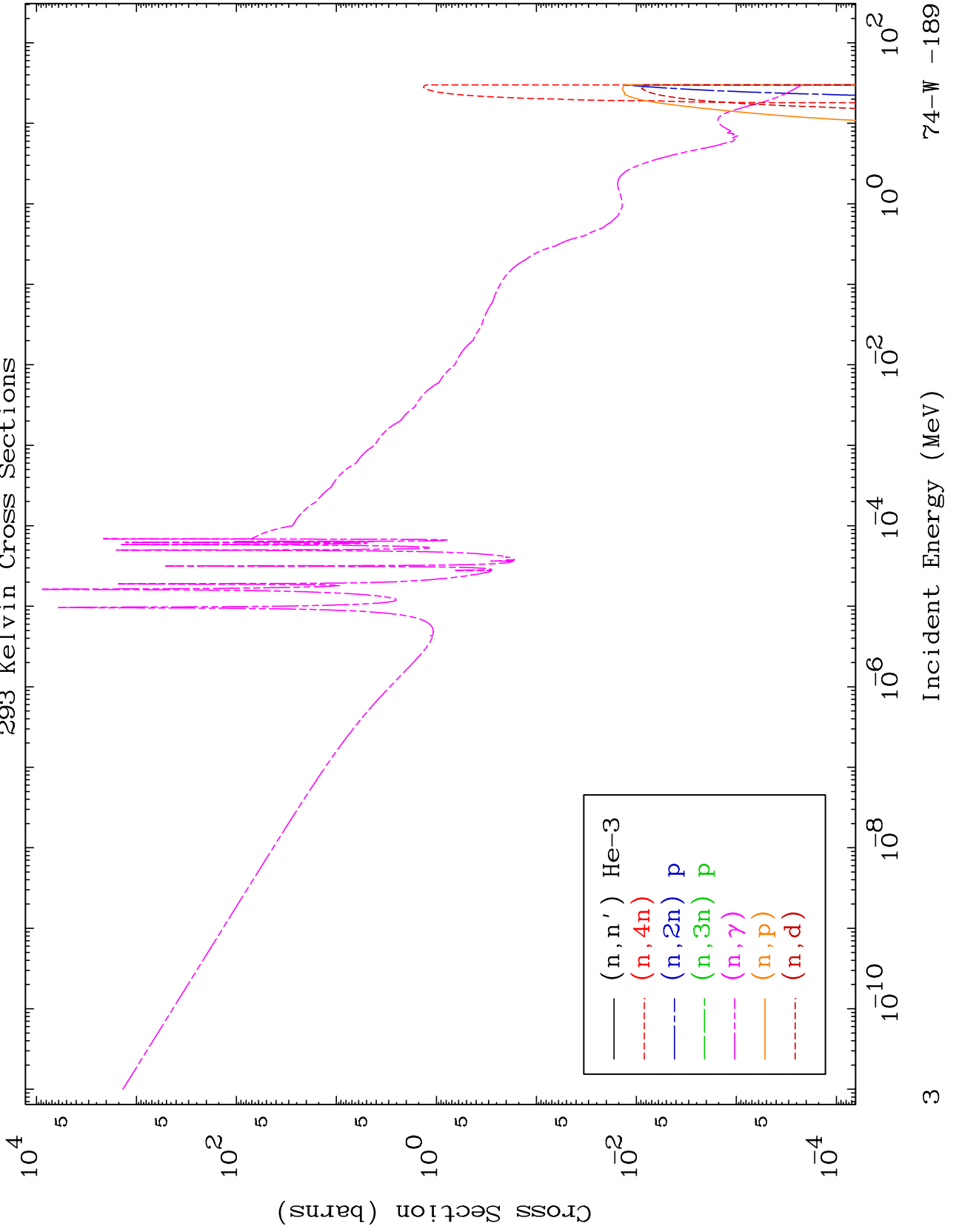


MAT 7452

Neutron Absorption  
293 Kelvin Cross Sections

74-W -189

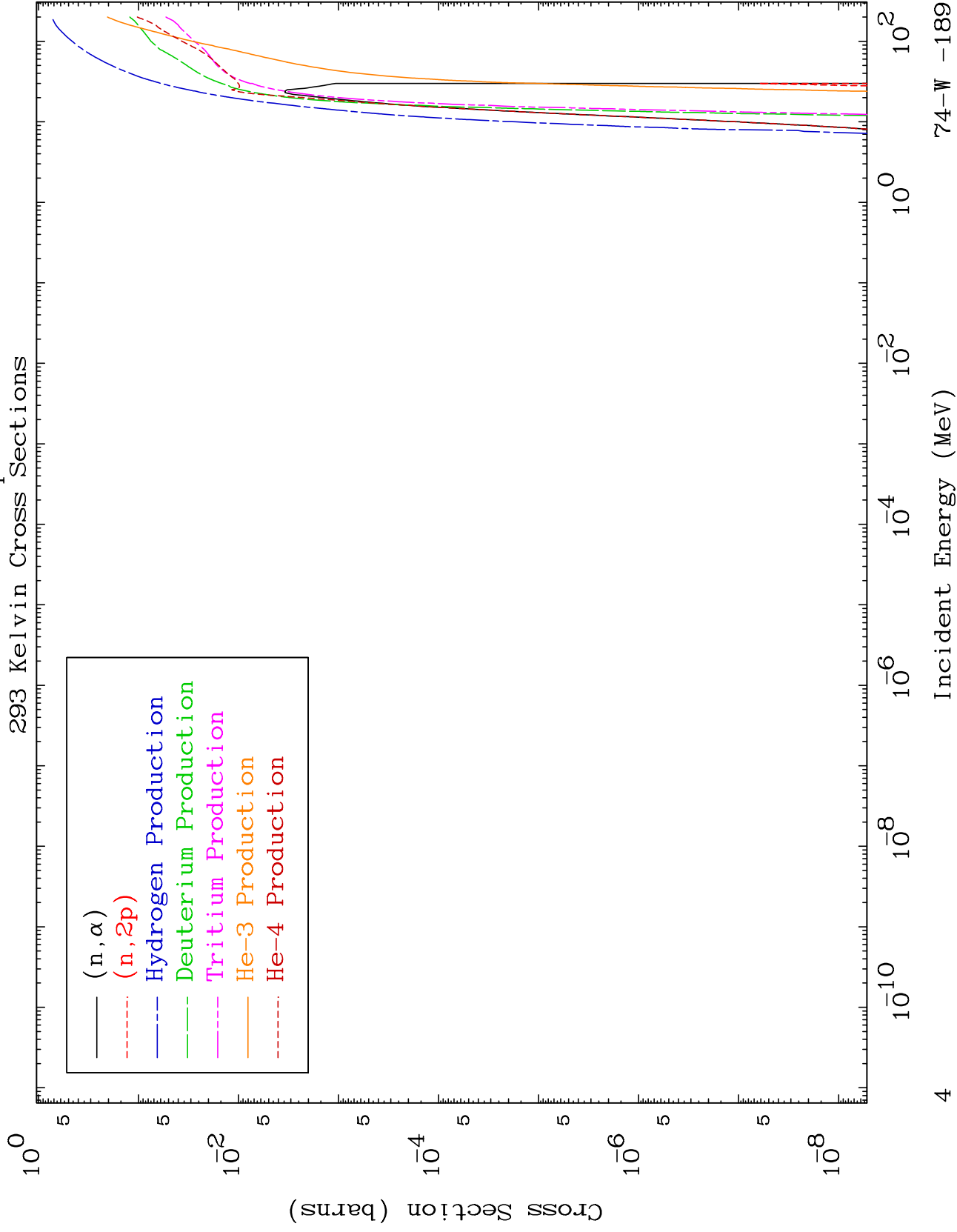


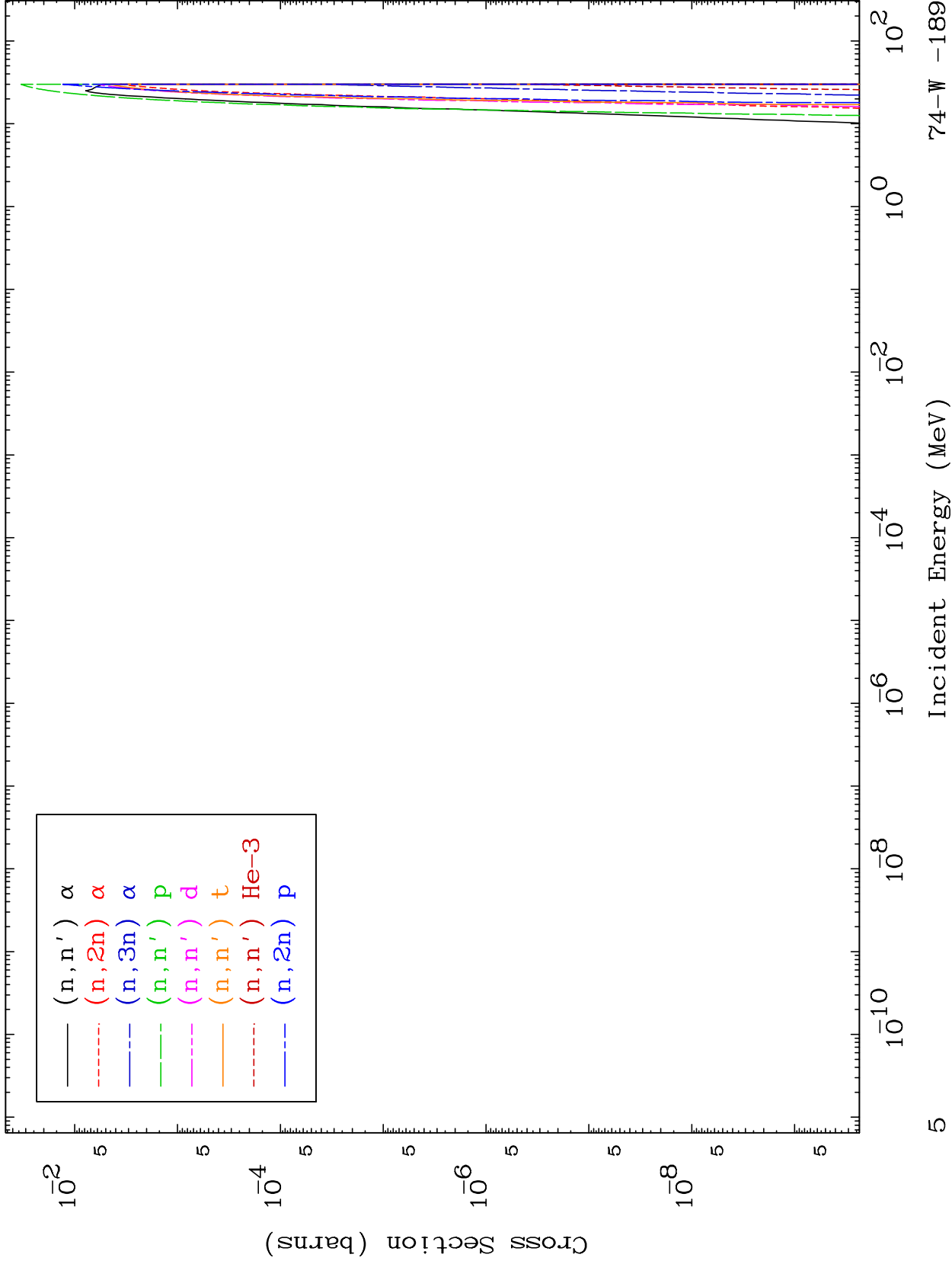


MAT 7452

Neutron Absorption  
293 Kelvin Cross Sections

74-W -189

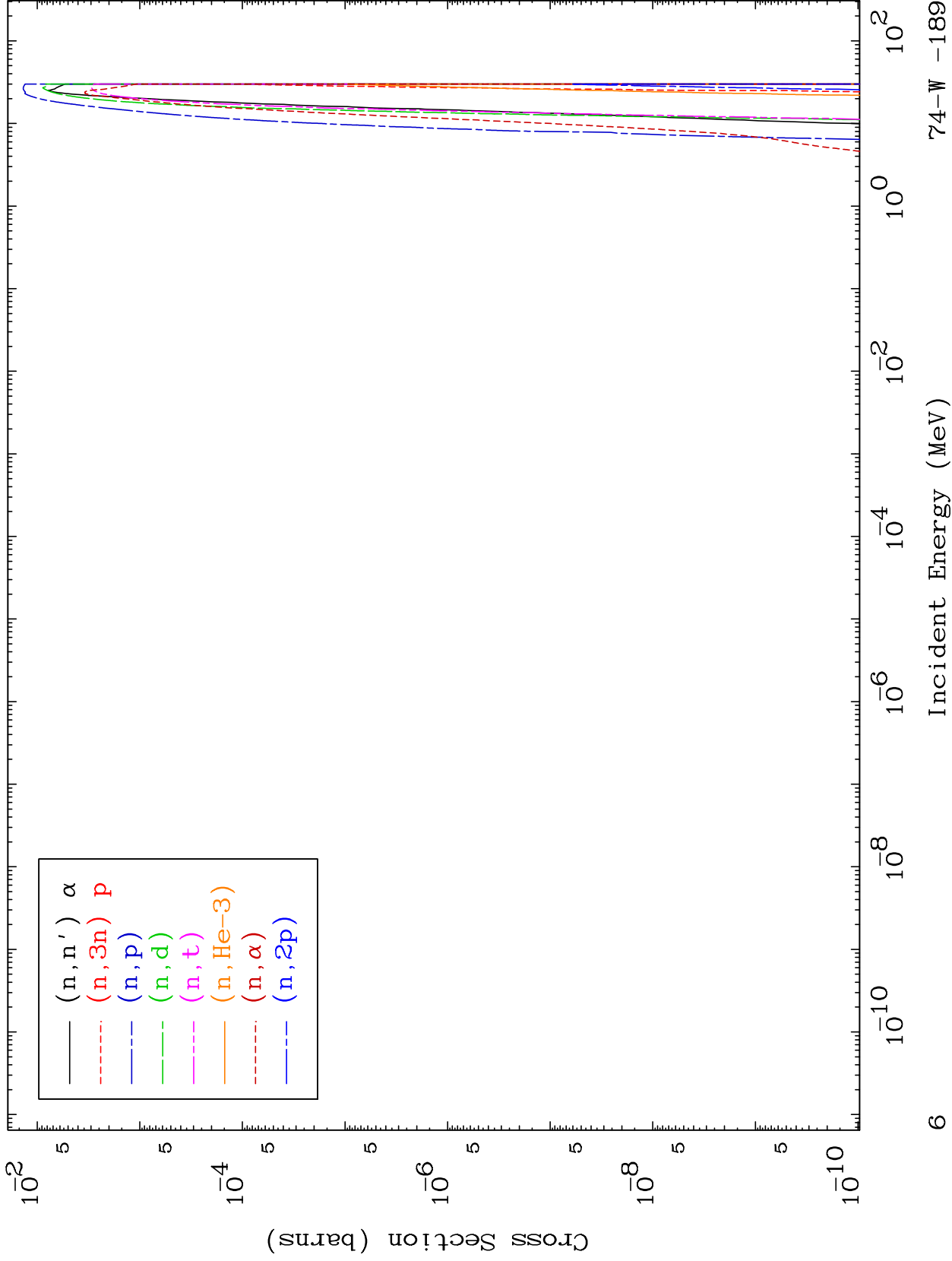


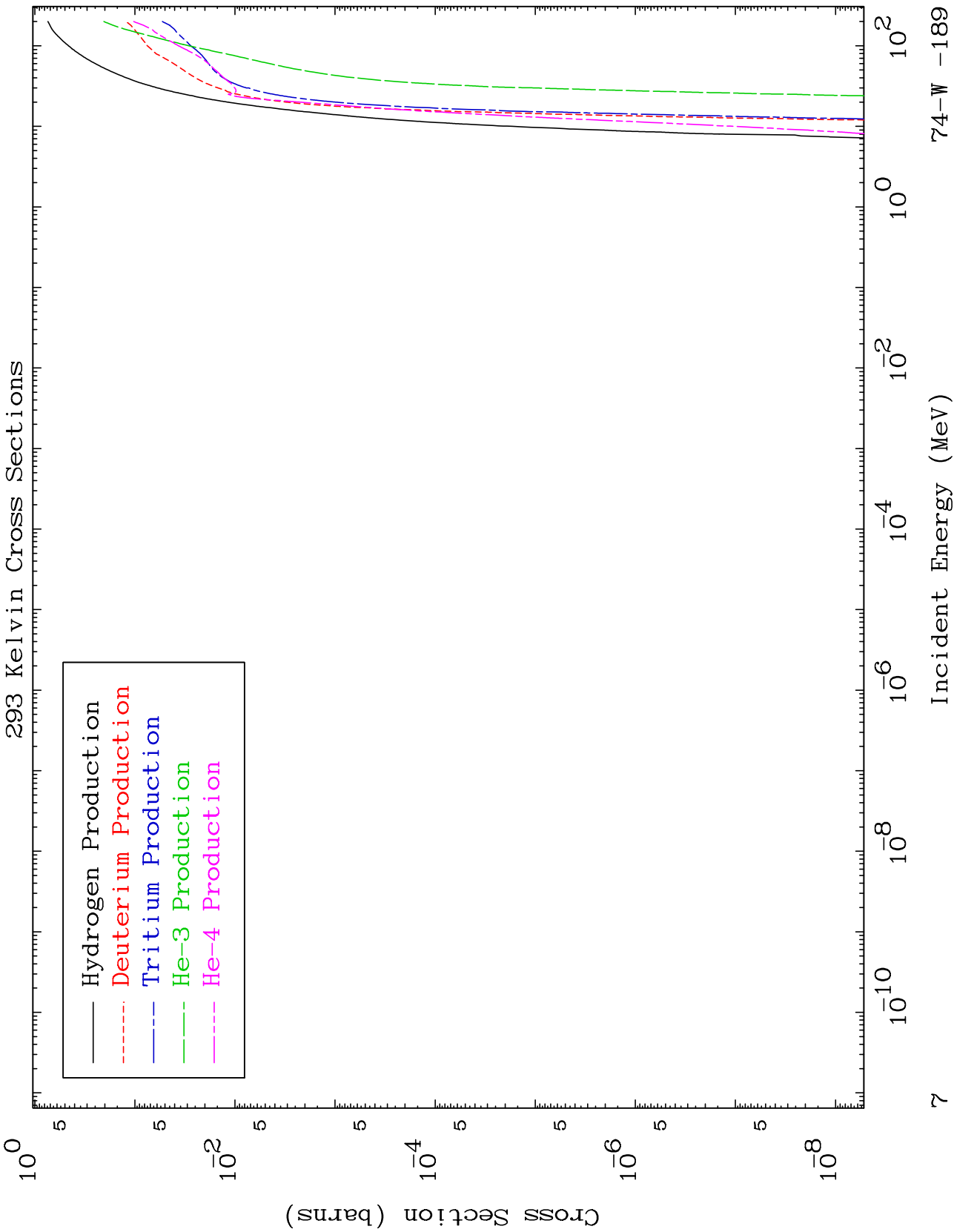


MAT 7452

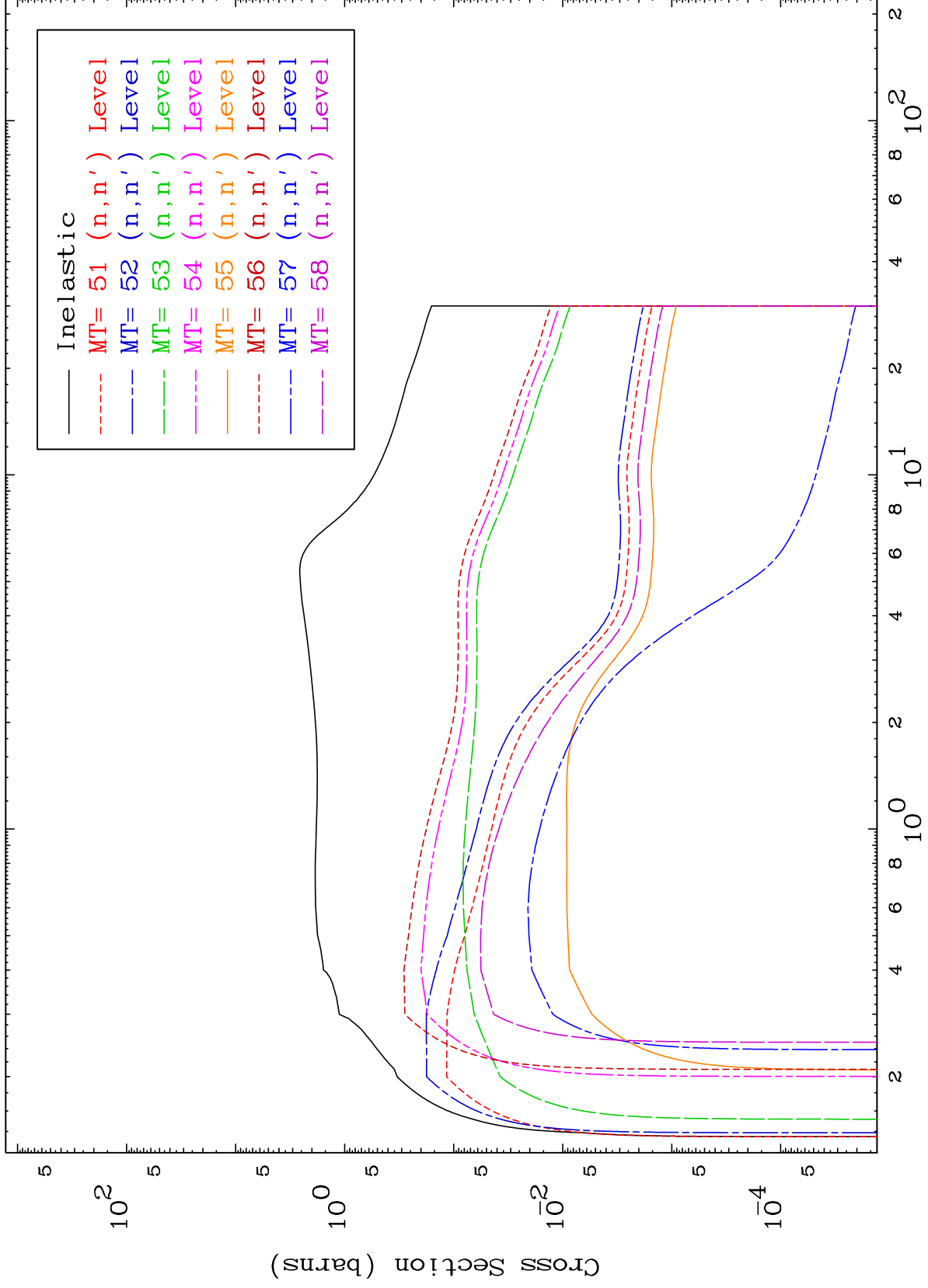
Charged Particle  
293 Kelvin Cross Sections

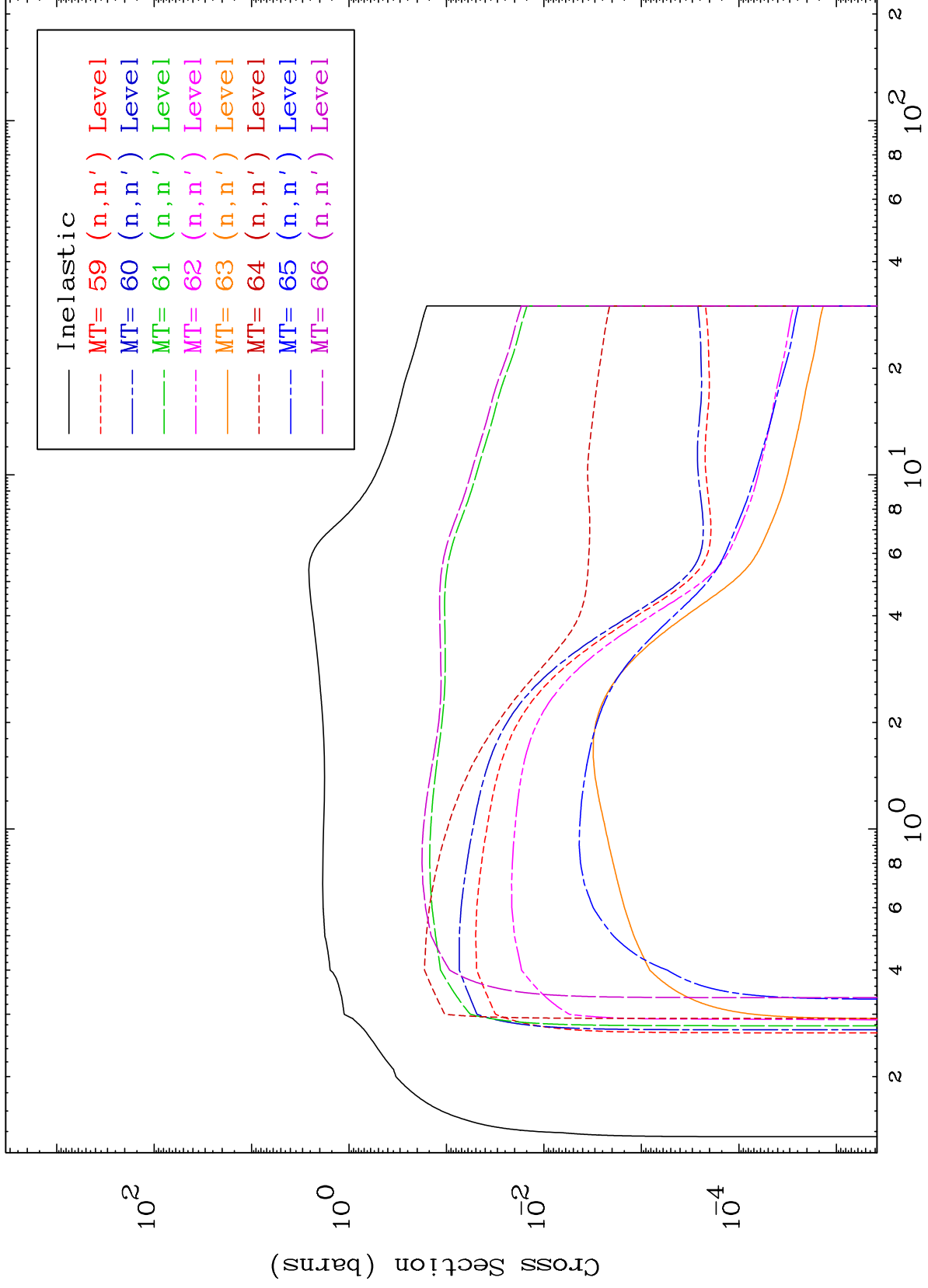
74-W -189

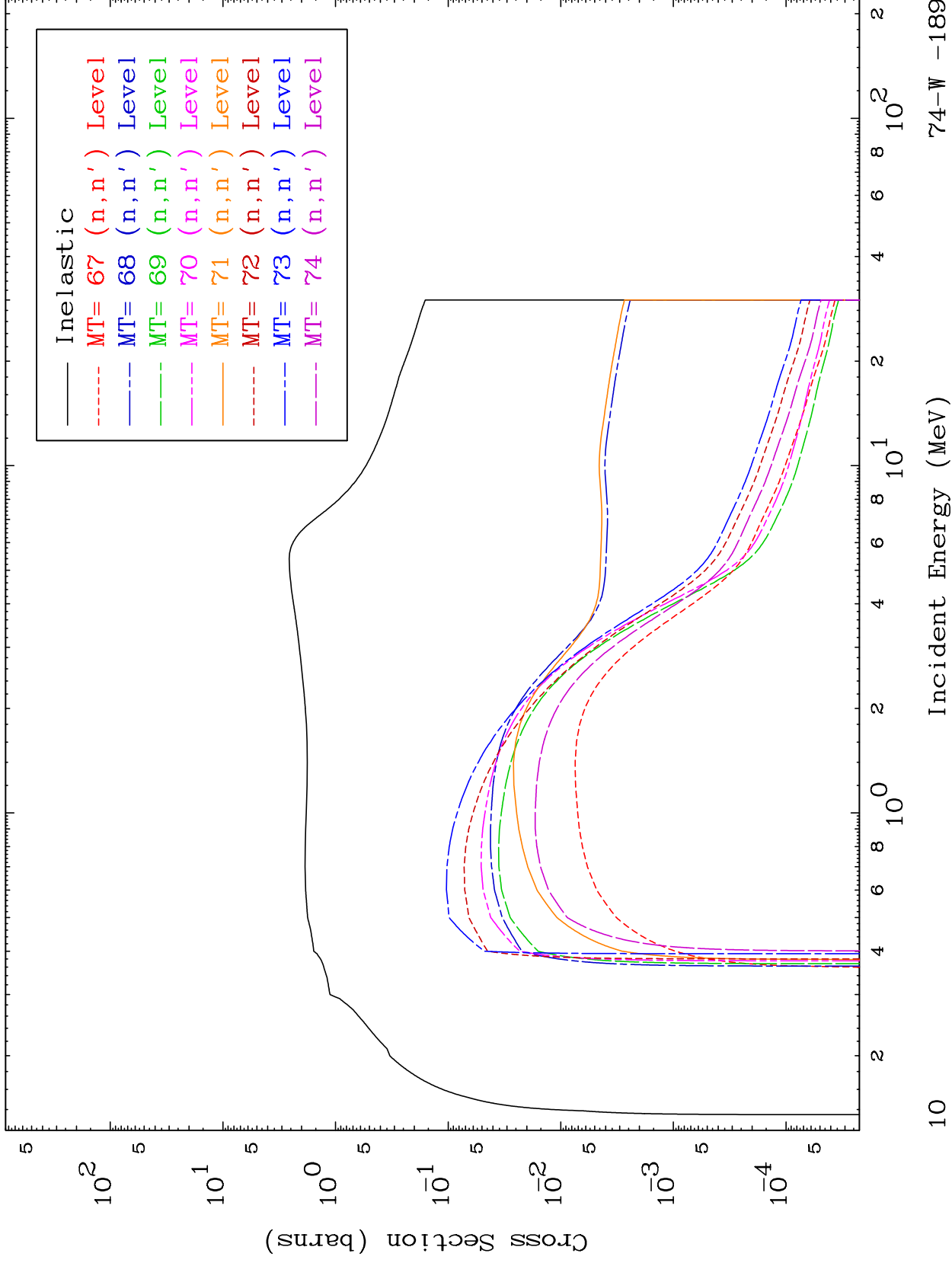


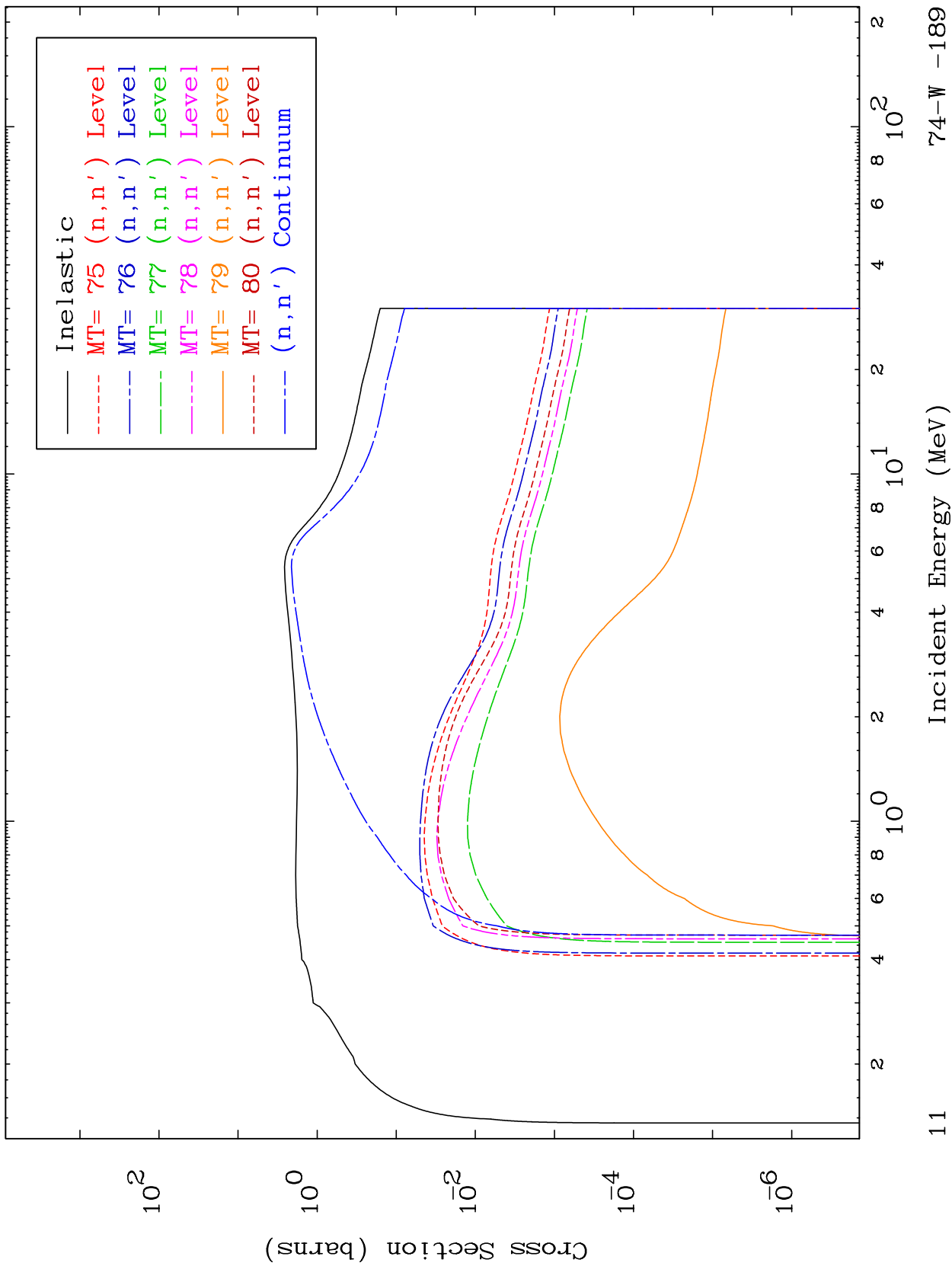








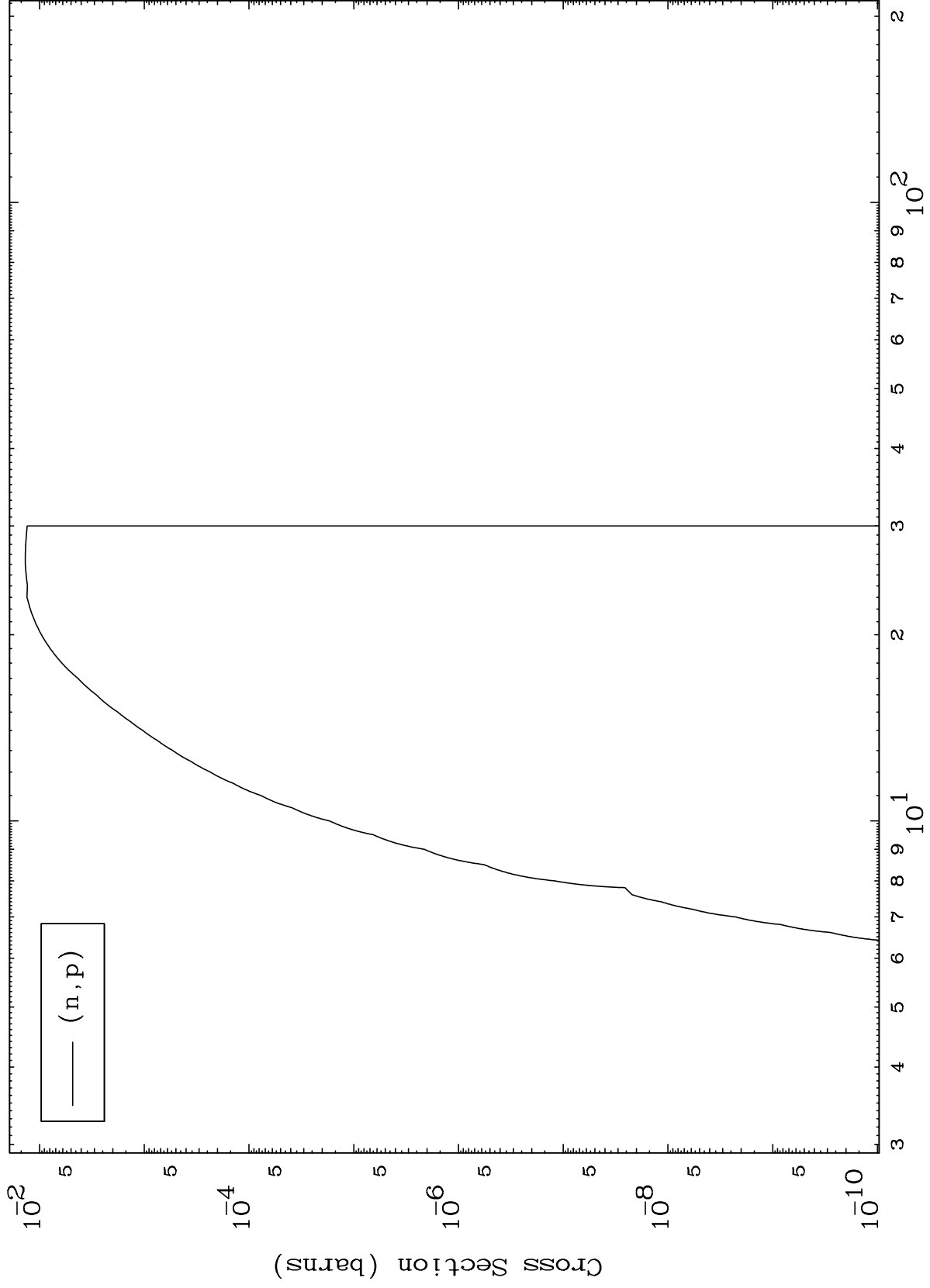




MAT 7452

(n,p) Levels  
293 Kelvin Cross Sections

74-W -189



12

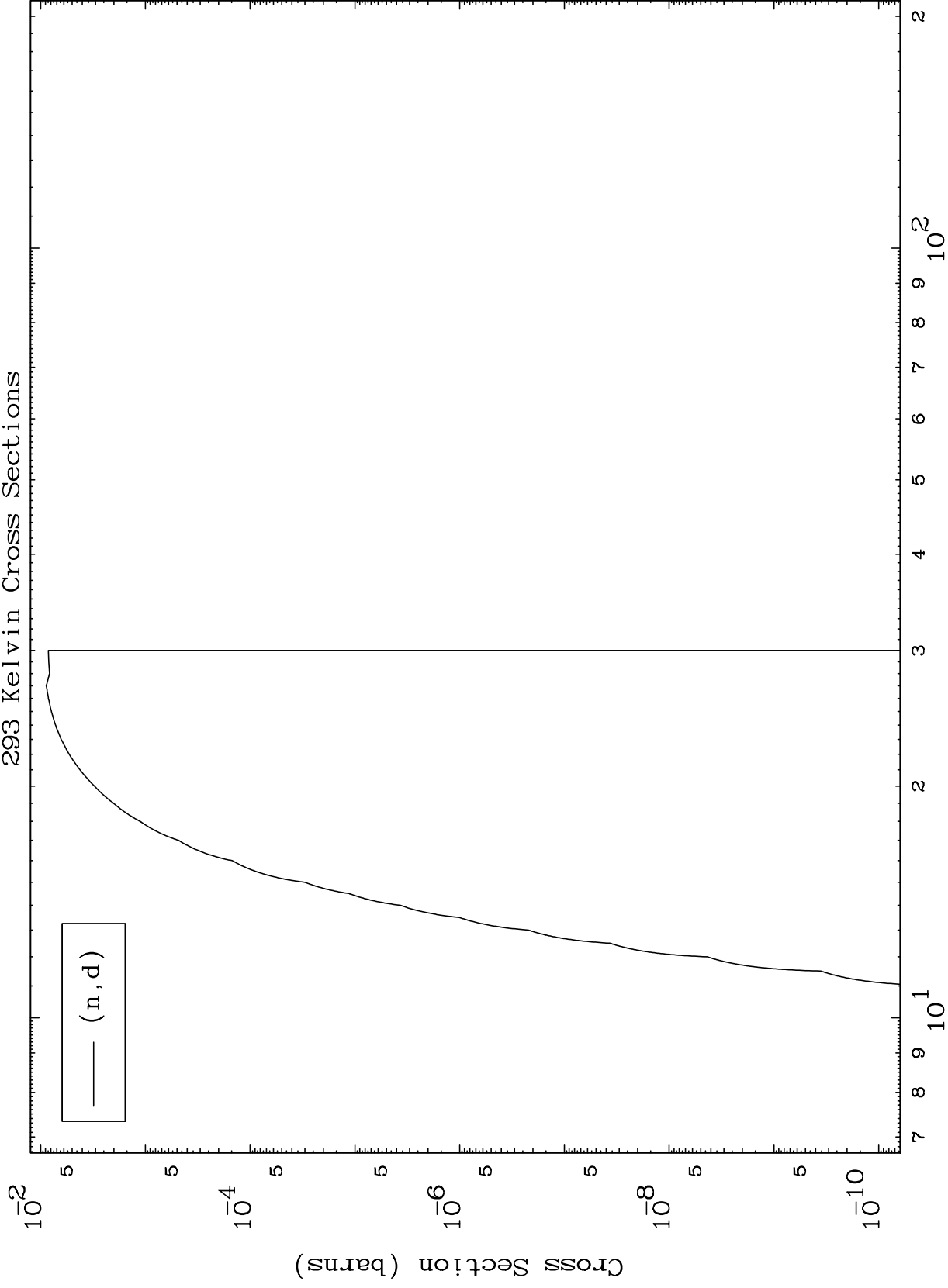
Incident Energy (MeV)

74-W -189

MAT 7452

(n,d) Levels  
293 Kelvin Cross Sections

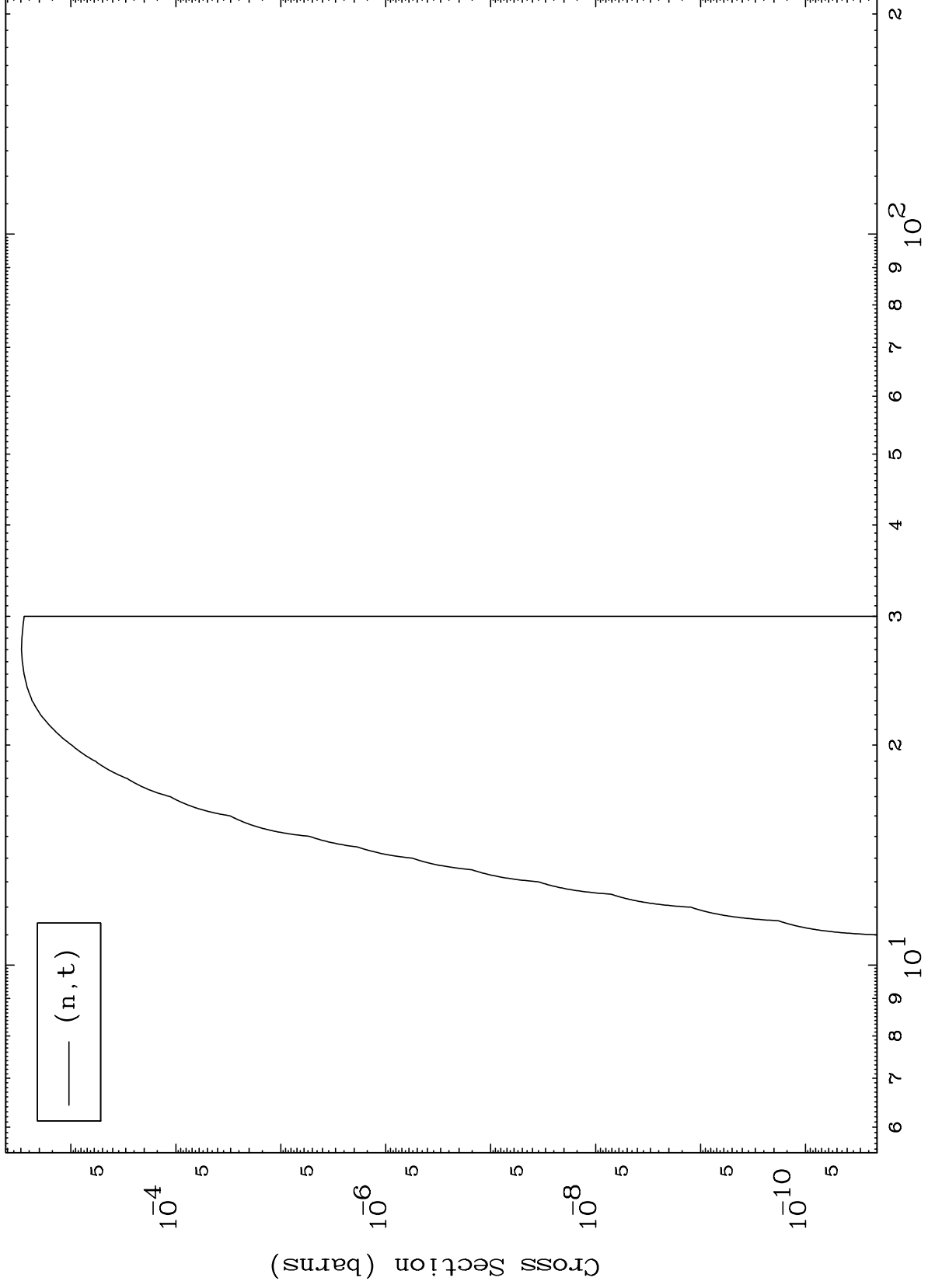
74-W -189

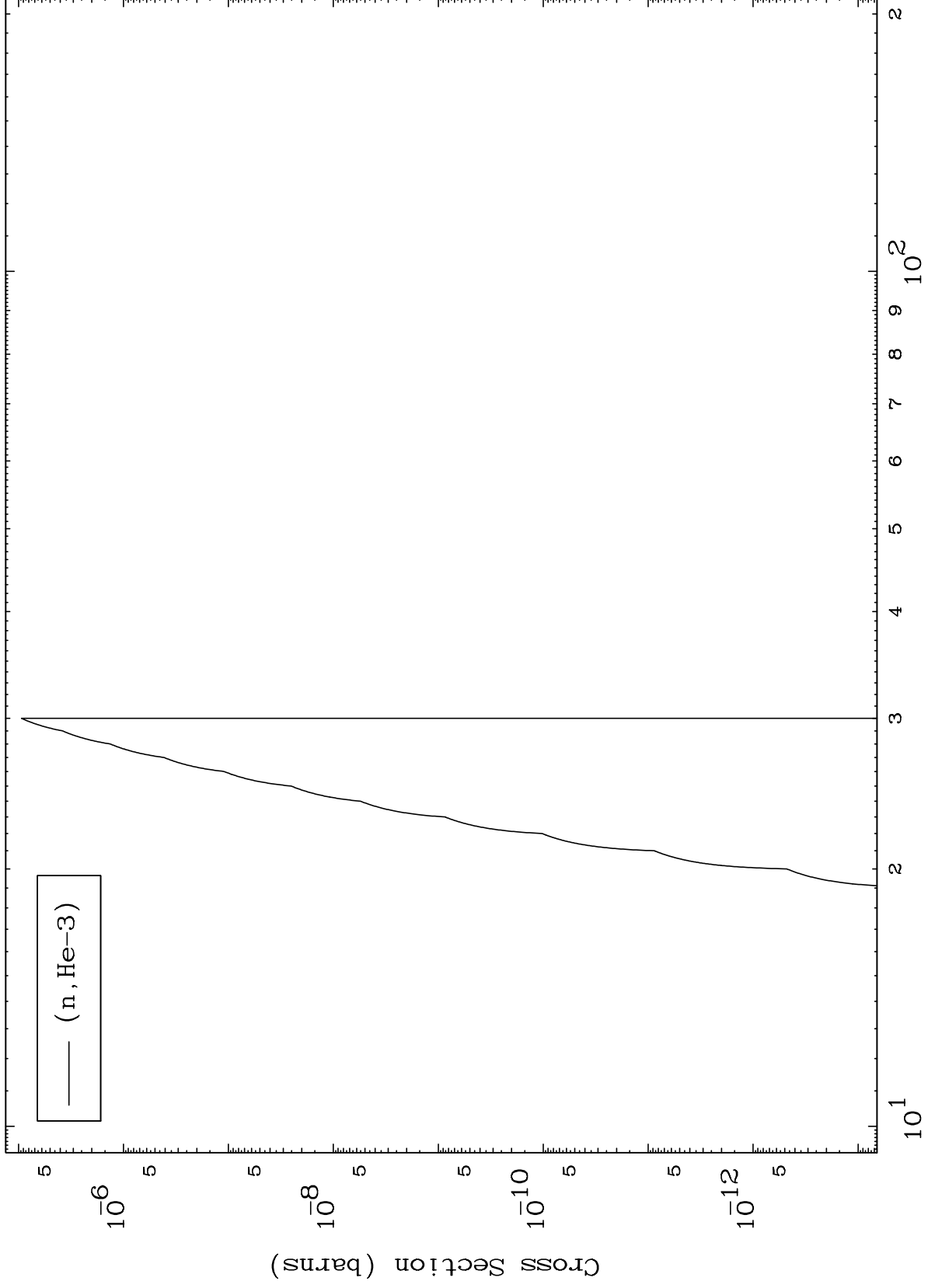


13

Incident Energy (MeV)

74-W -189



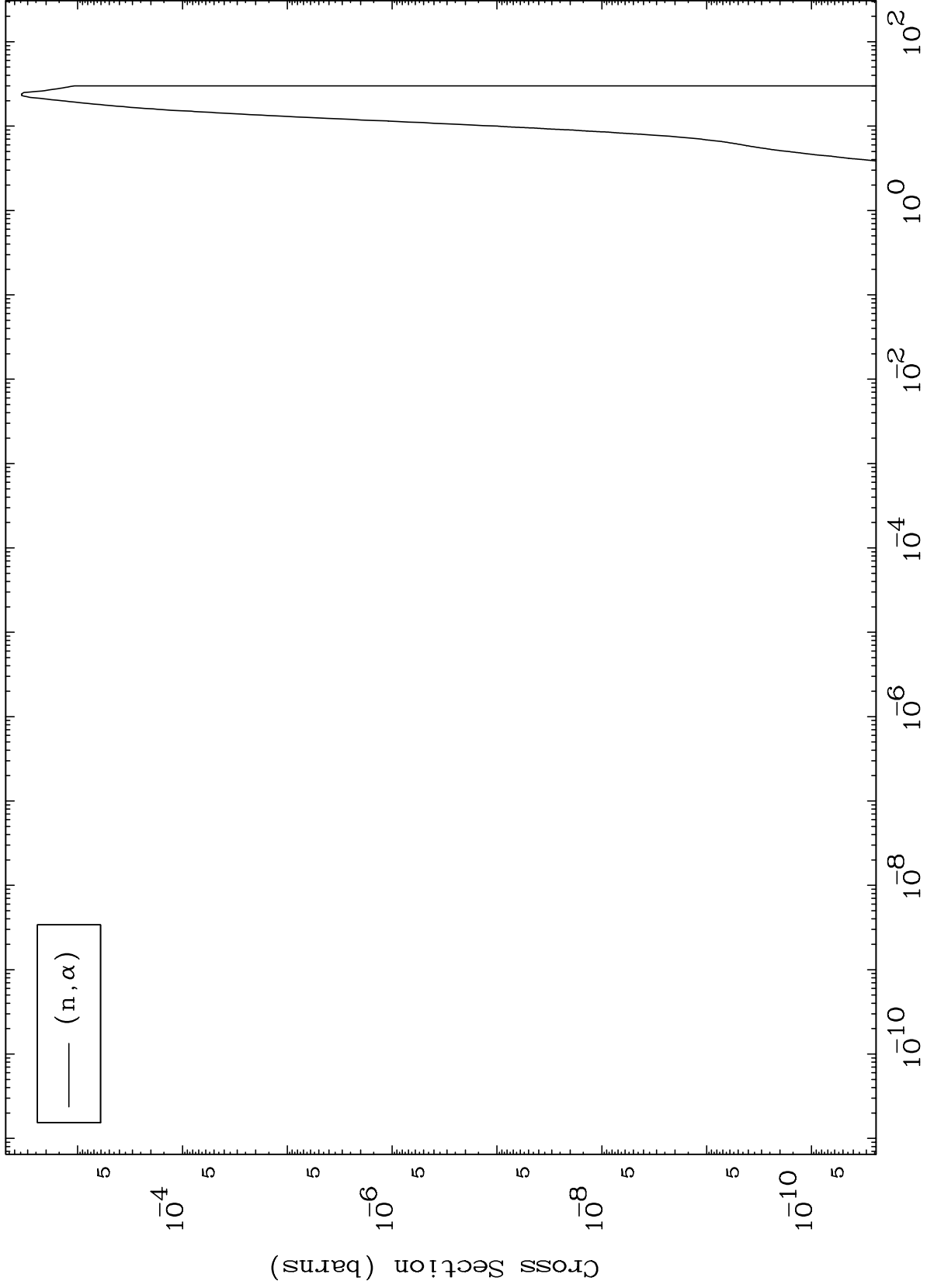




MAT 7452

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

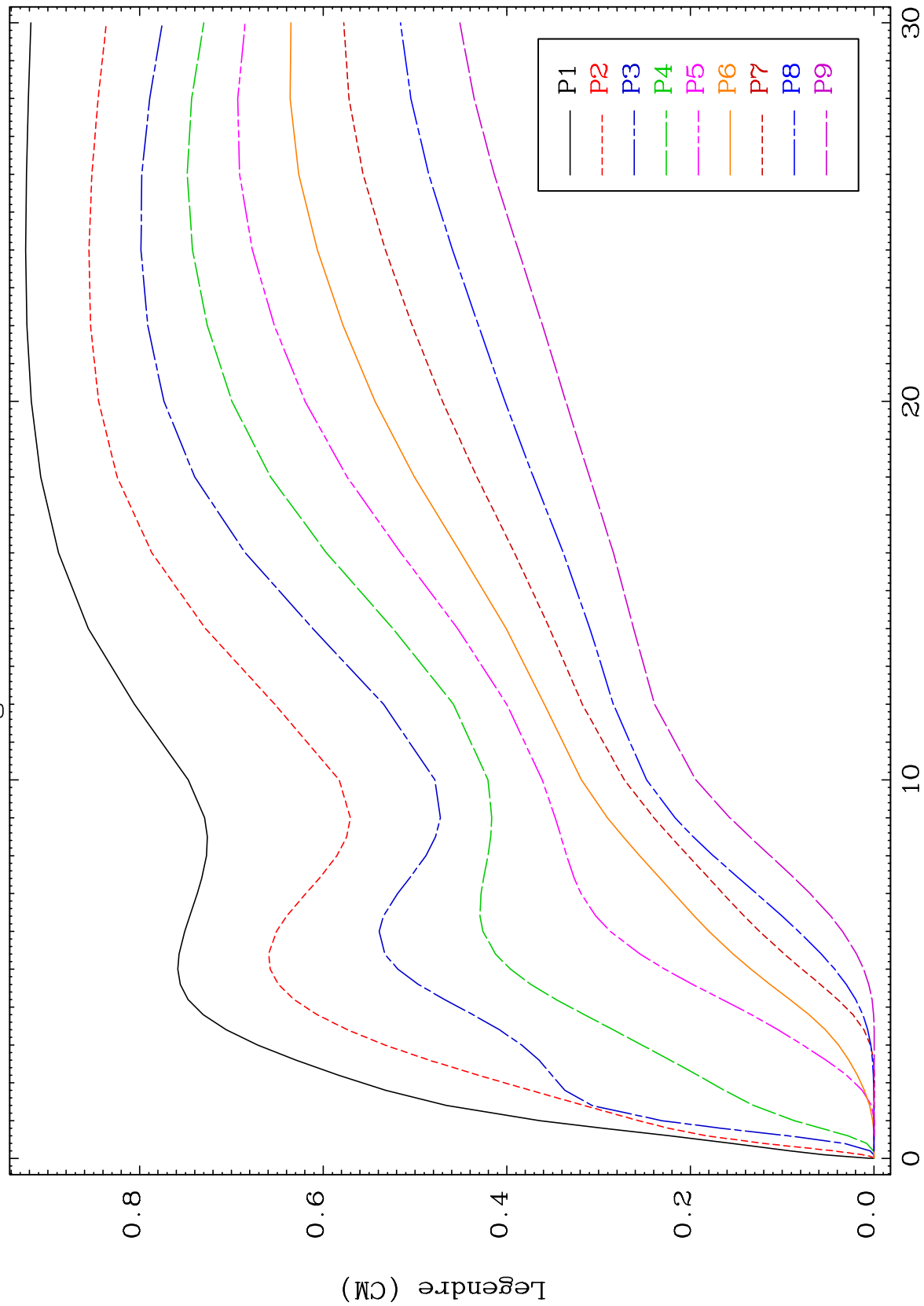
74-W -189



16

Incident Energy (MeV)

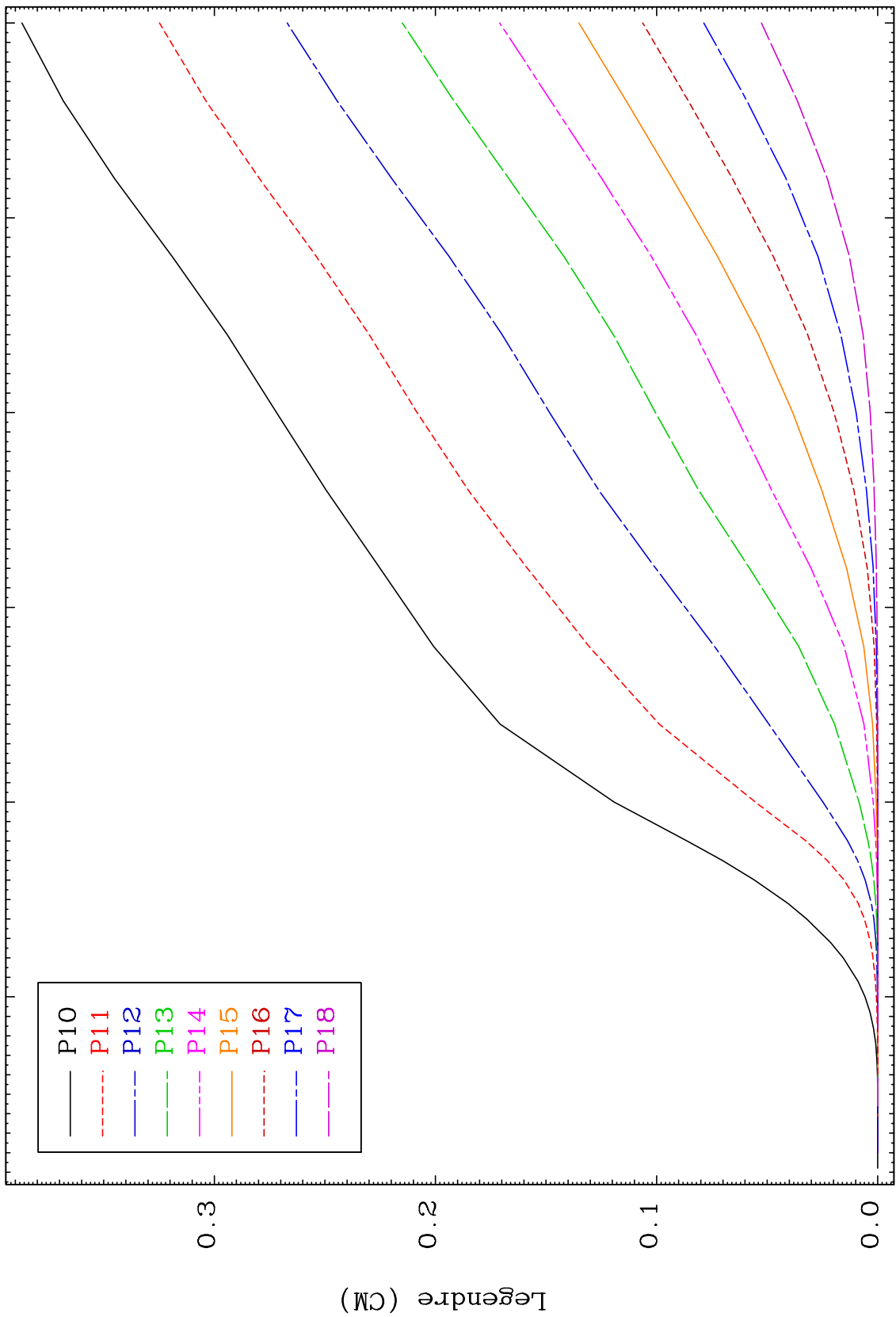
74-W -189



MAT 7452

Elastic Legendre Coefficients

74-W -189



18

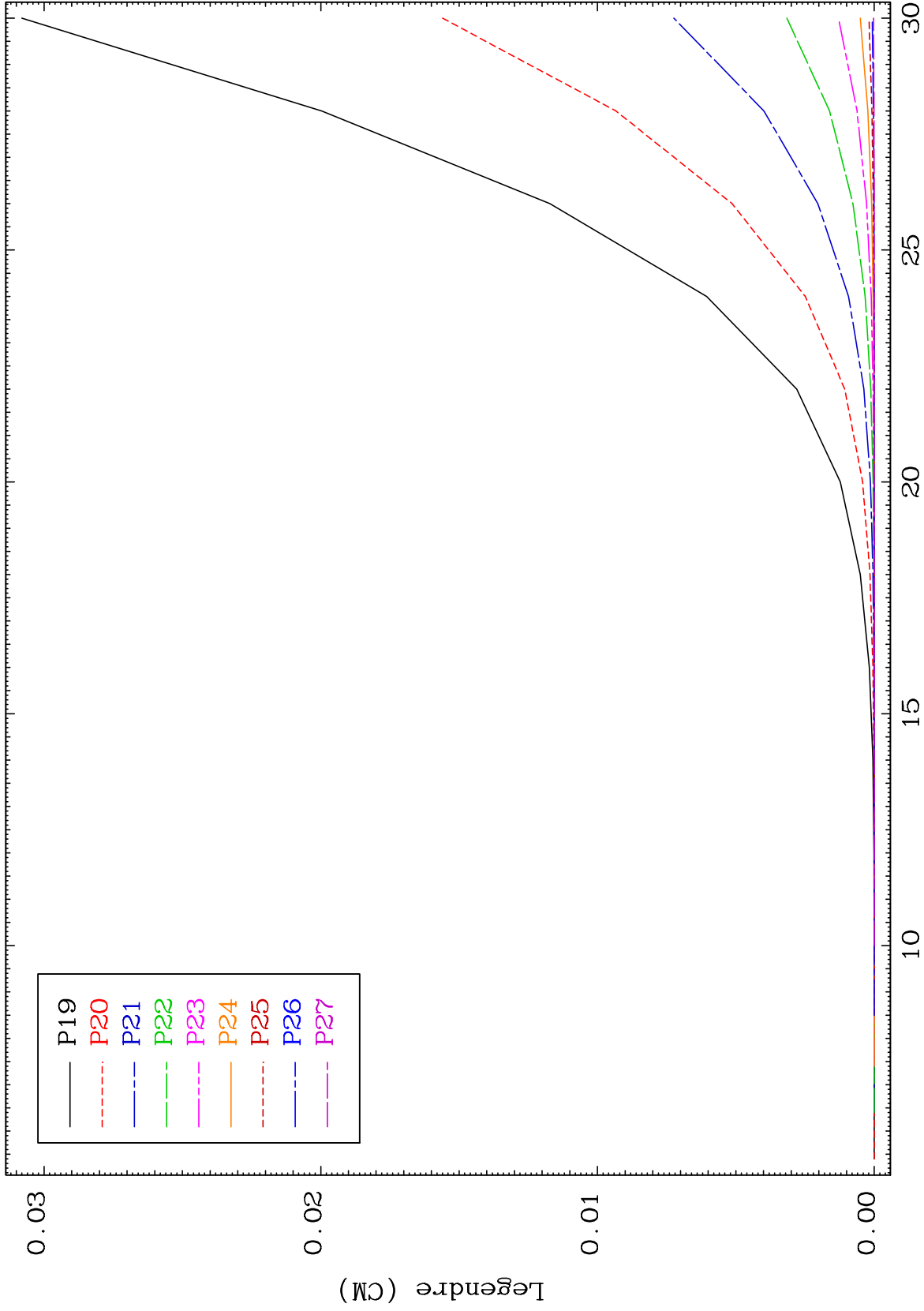
Incident Energy (MeV)

74-W -189

MAT 7452

### Elastic Legendre Coefficients

74-W -189



19

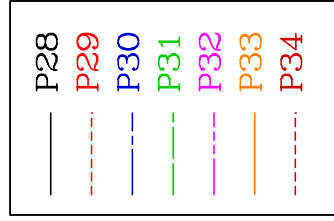
Incident Energy (MeV)

74-W -189

MAT 7452

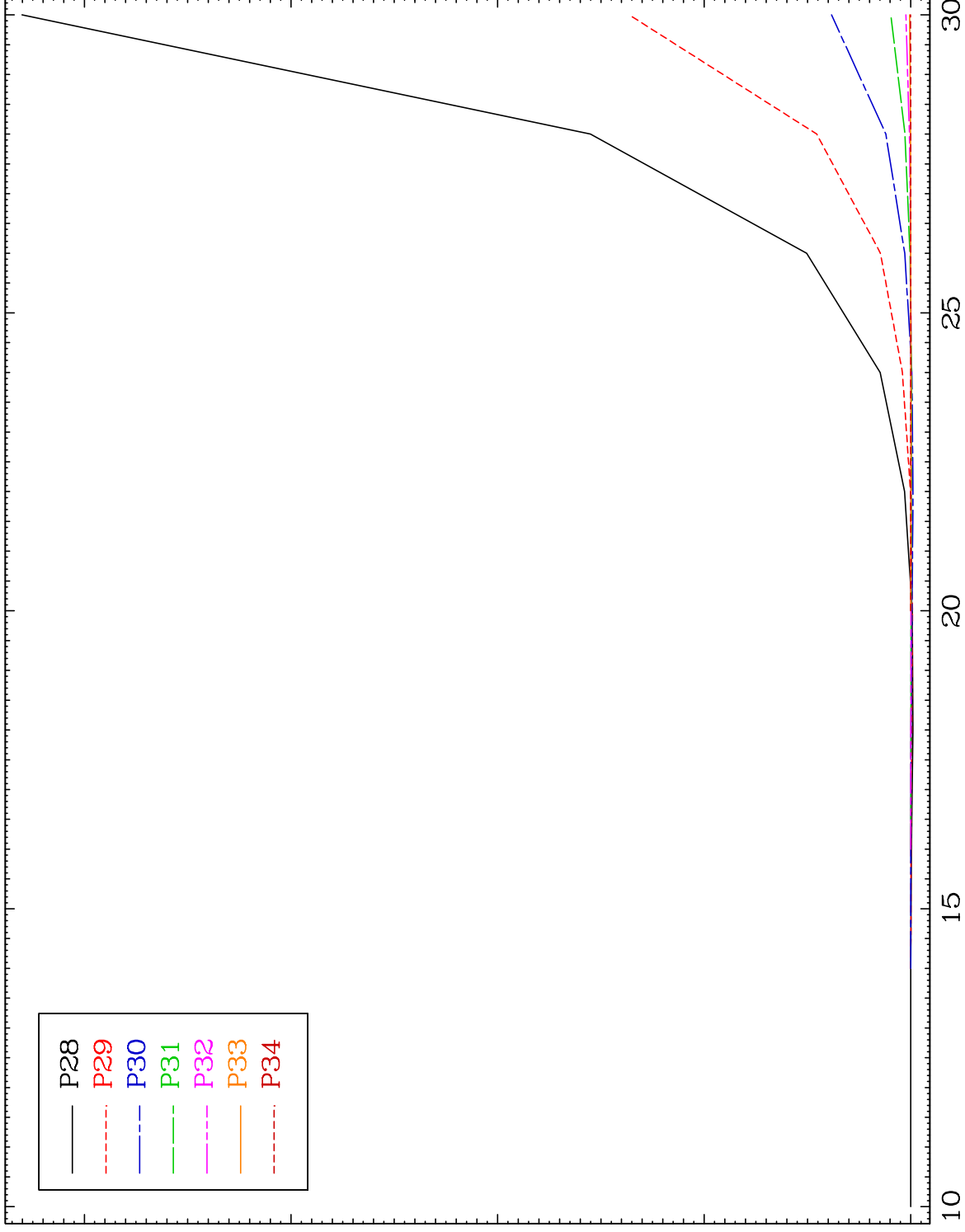
Elastic  
Legendre Coefficients

74-W -189



$\times 10^{-6}$

Legendre (CM)



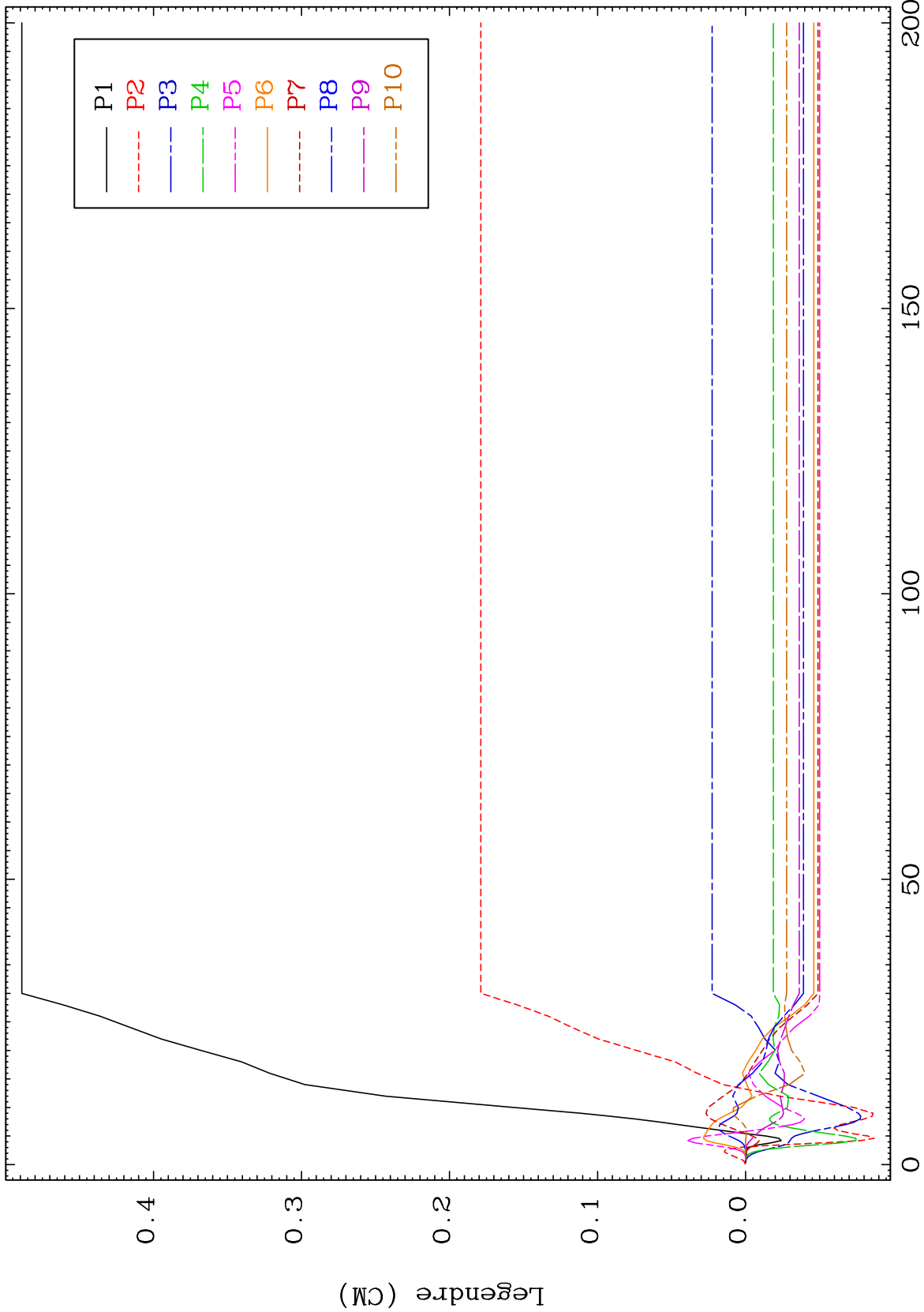
Incident Energy (MeV)

74-W -189

MAT 7452

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

74-W -189



21

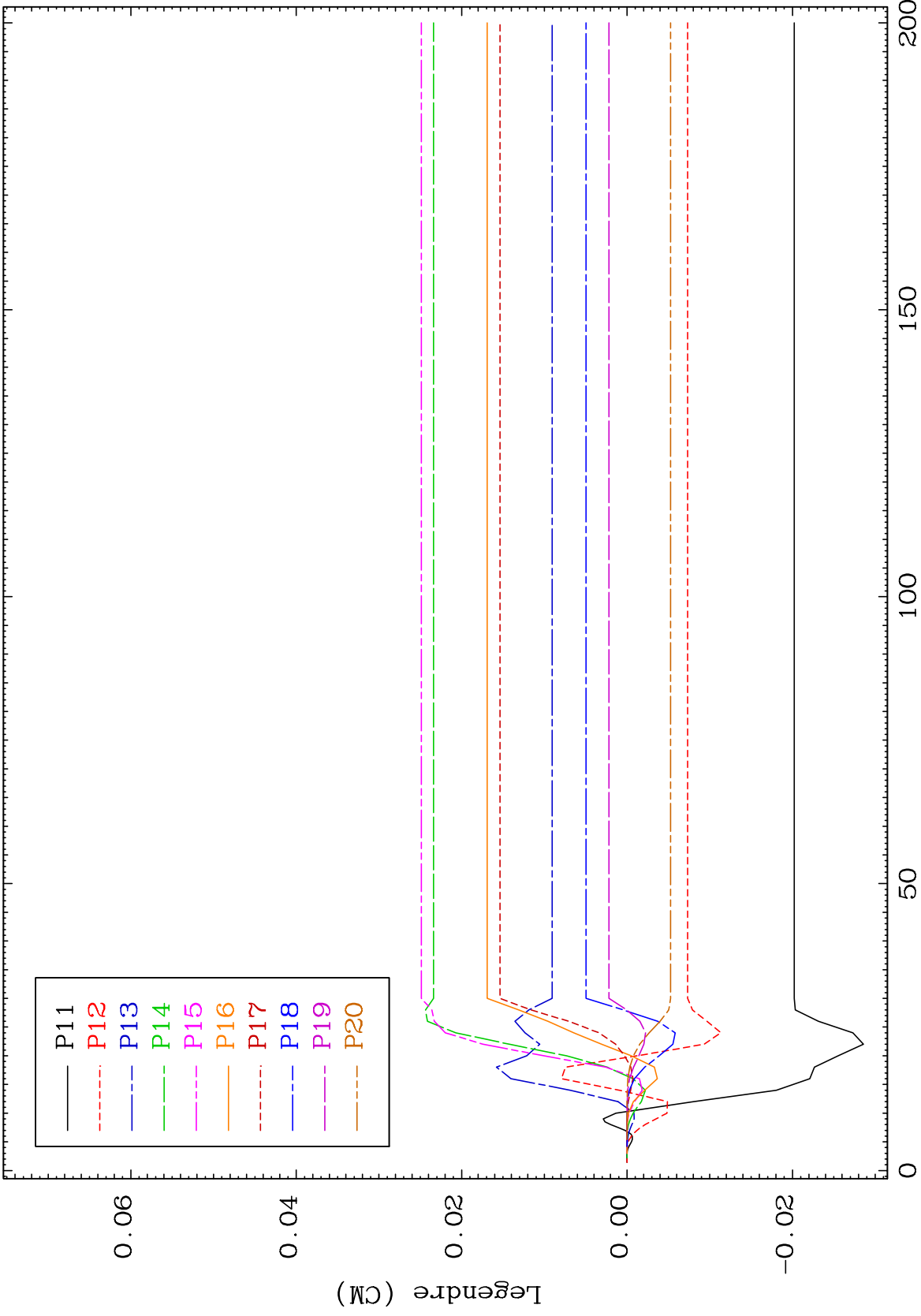
Incident Energy (MeV)

74-W -189

MAT 7452

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

74-W -189



22

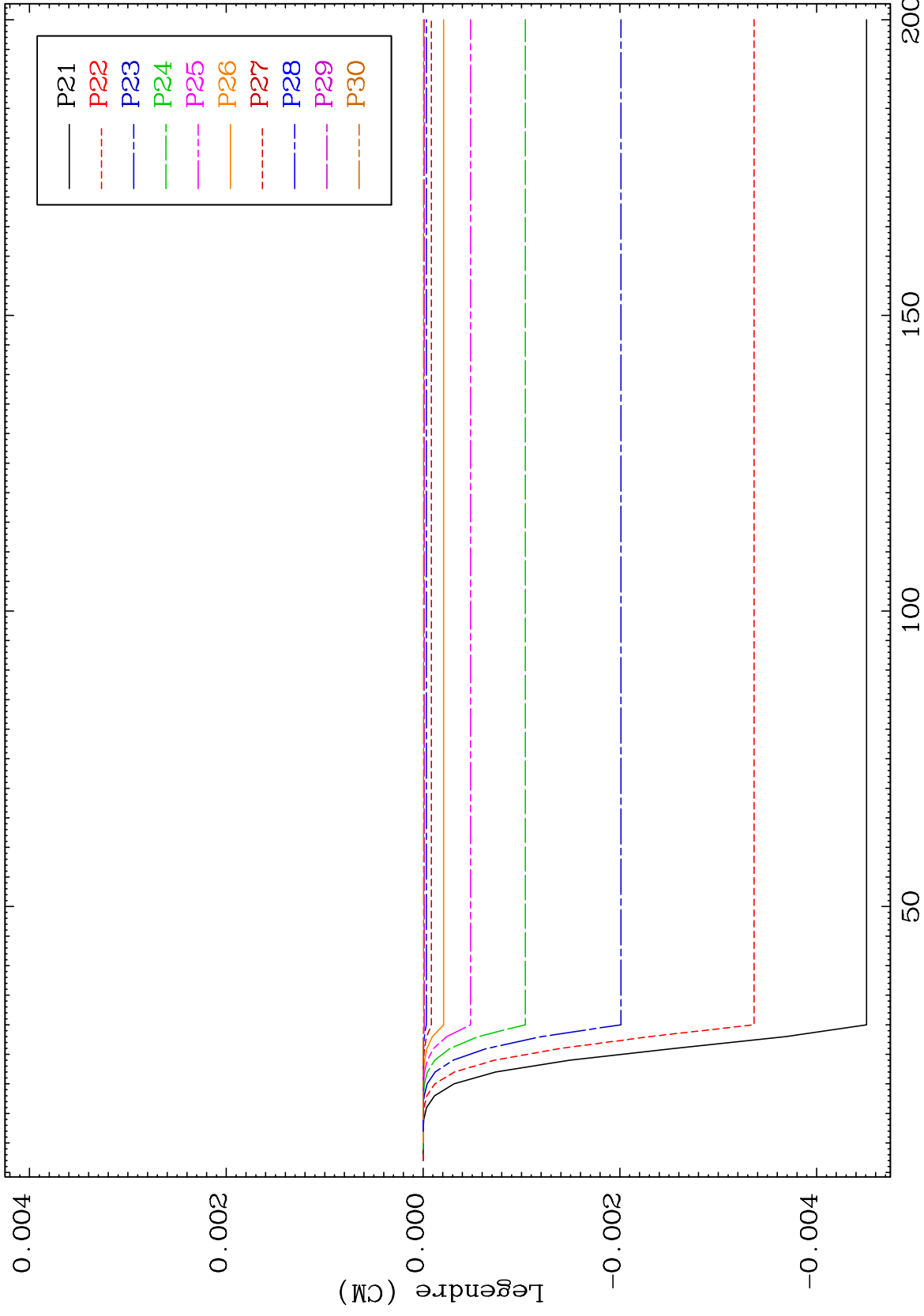
Incident Energy (MeV)

74-W -189

MAT 7452

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

74-W -189

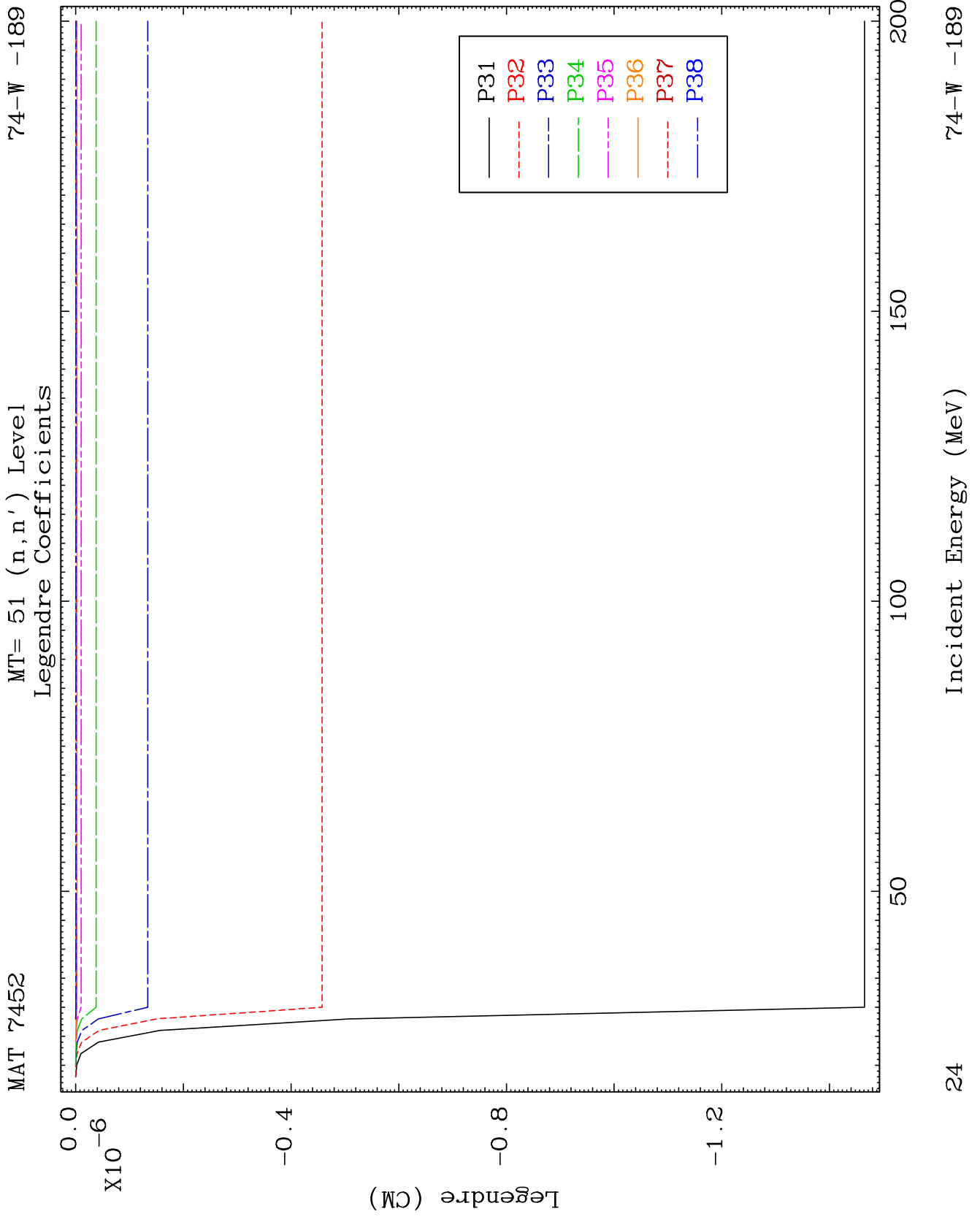


23

Incident Energy (MeV)

74-W -189

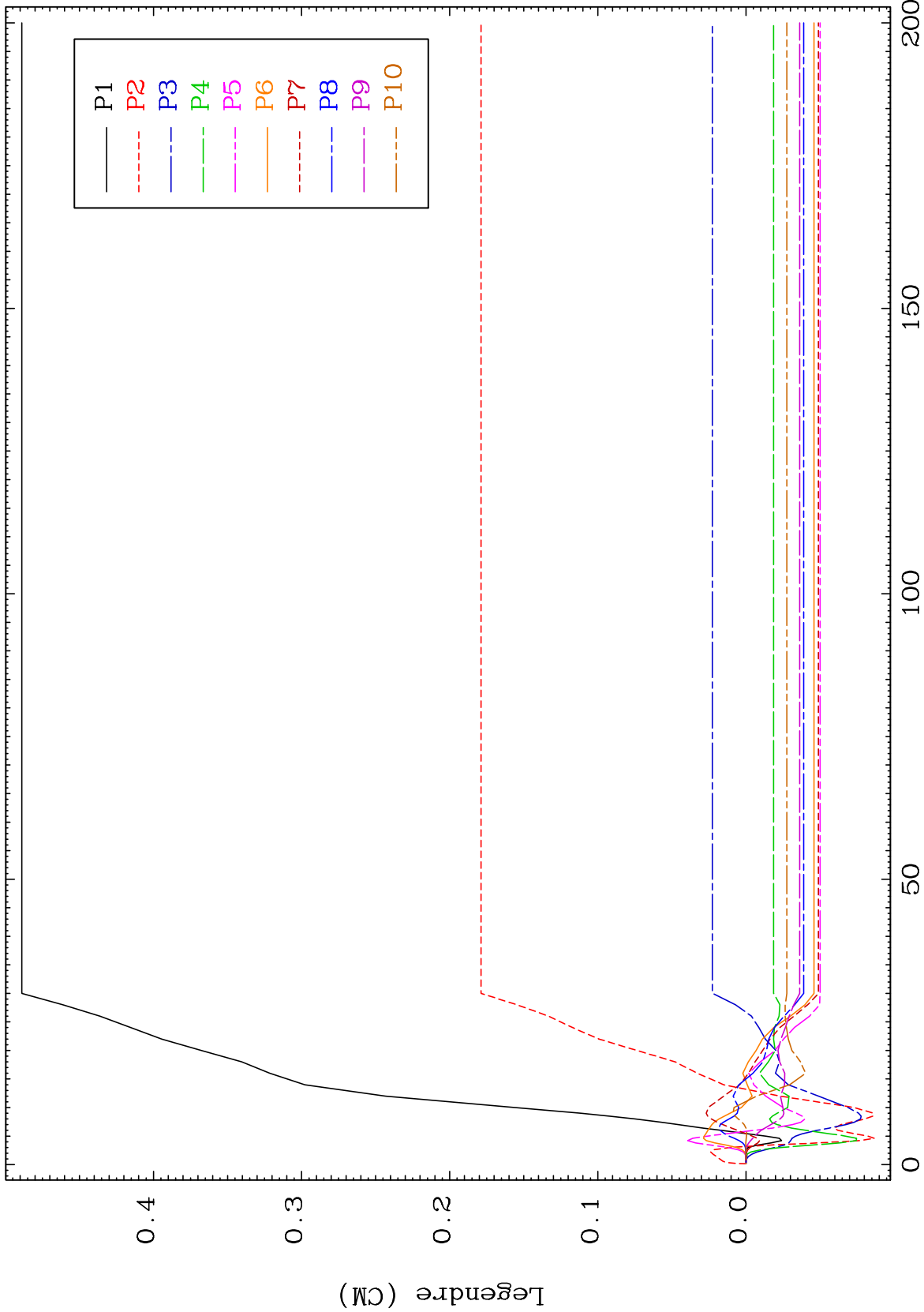




MAT 7452

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

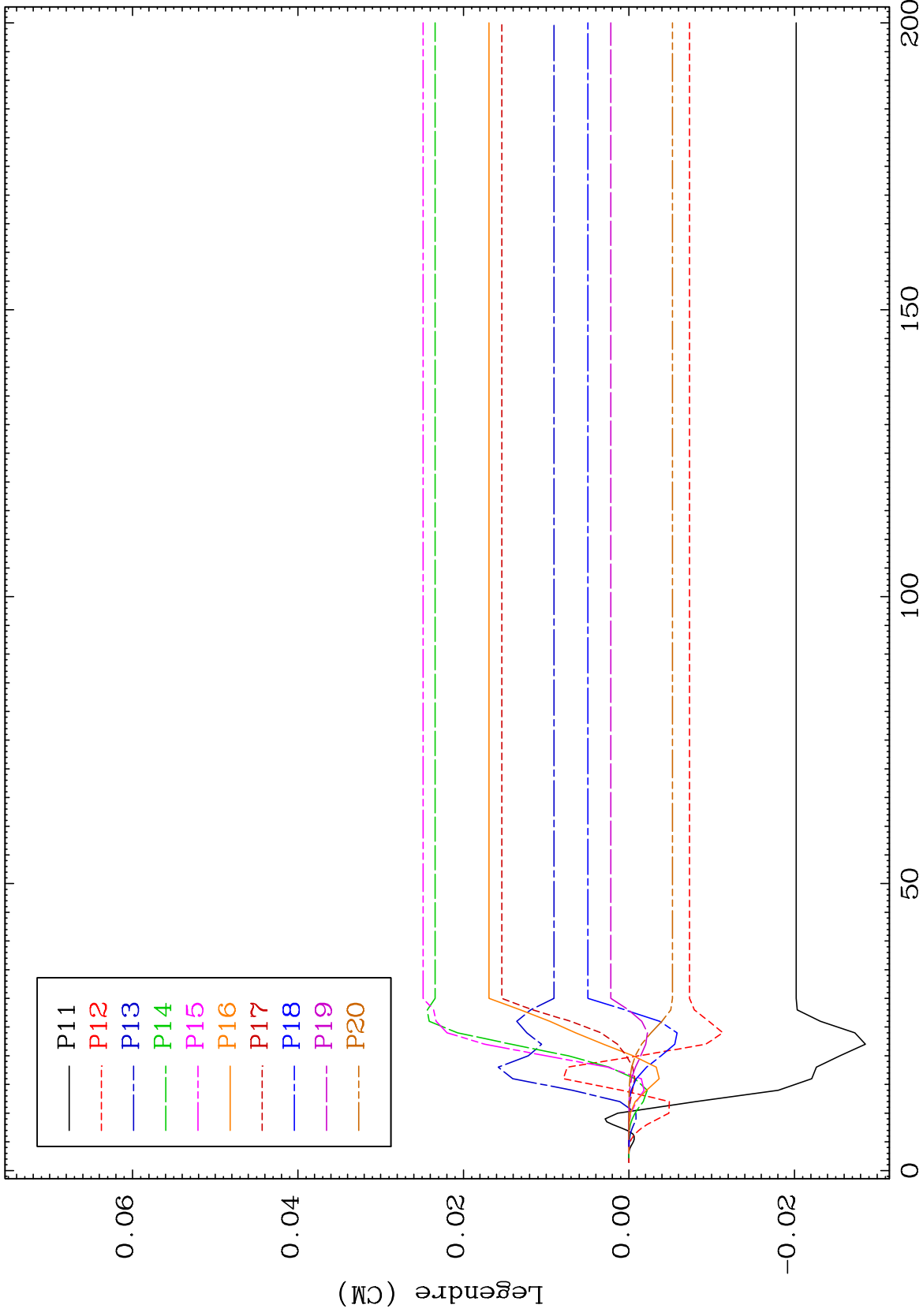
74-W -189



25

Incident Energy (MeV)

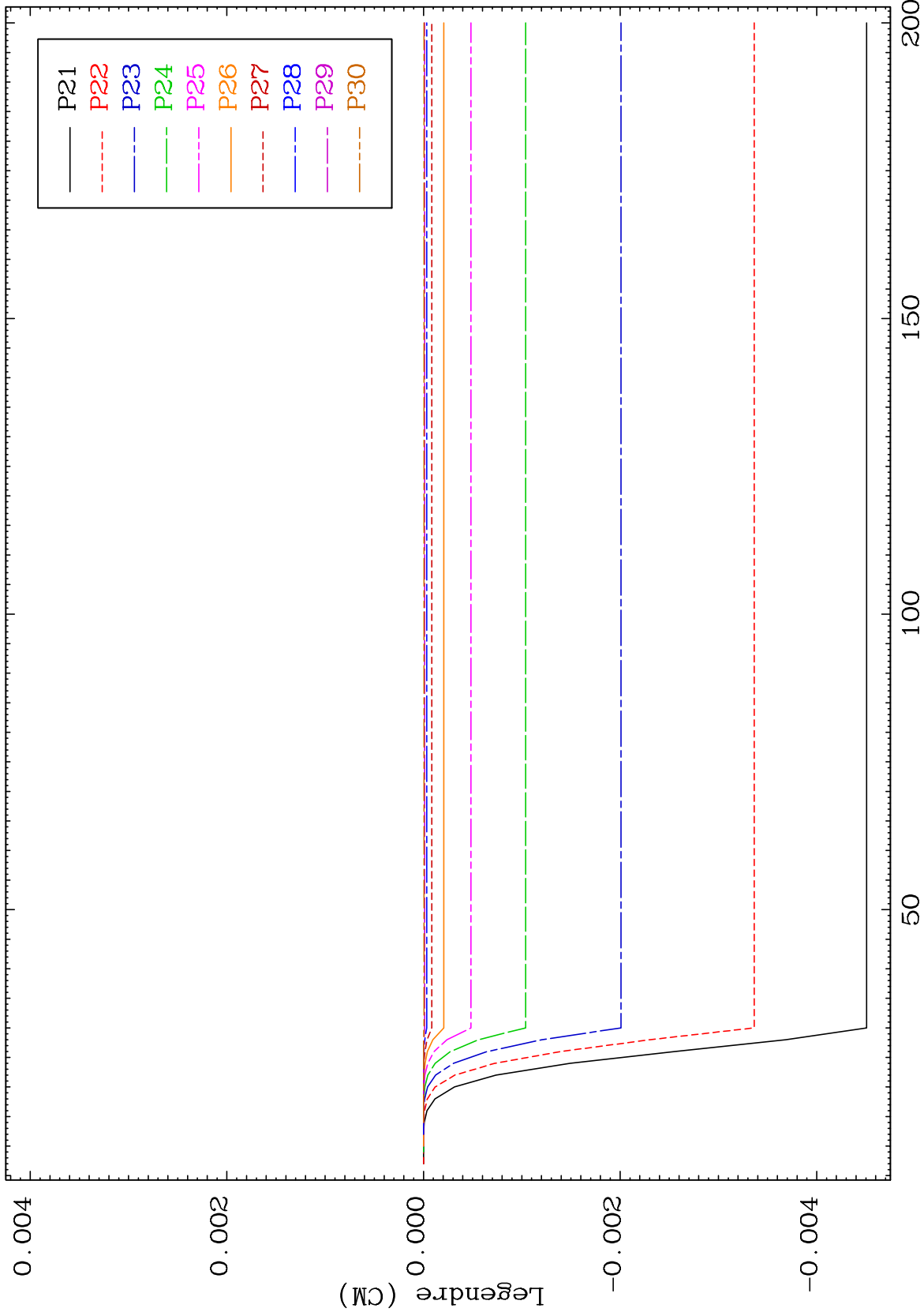
74-W -189



MAT 7452

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

74-W -189

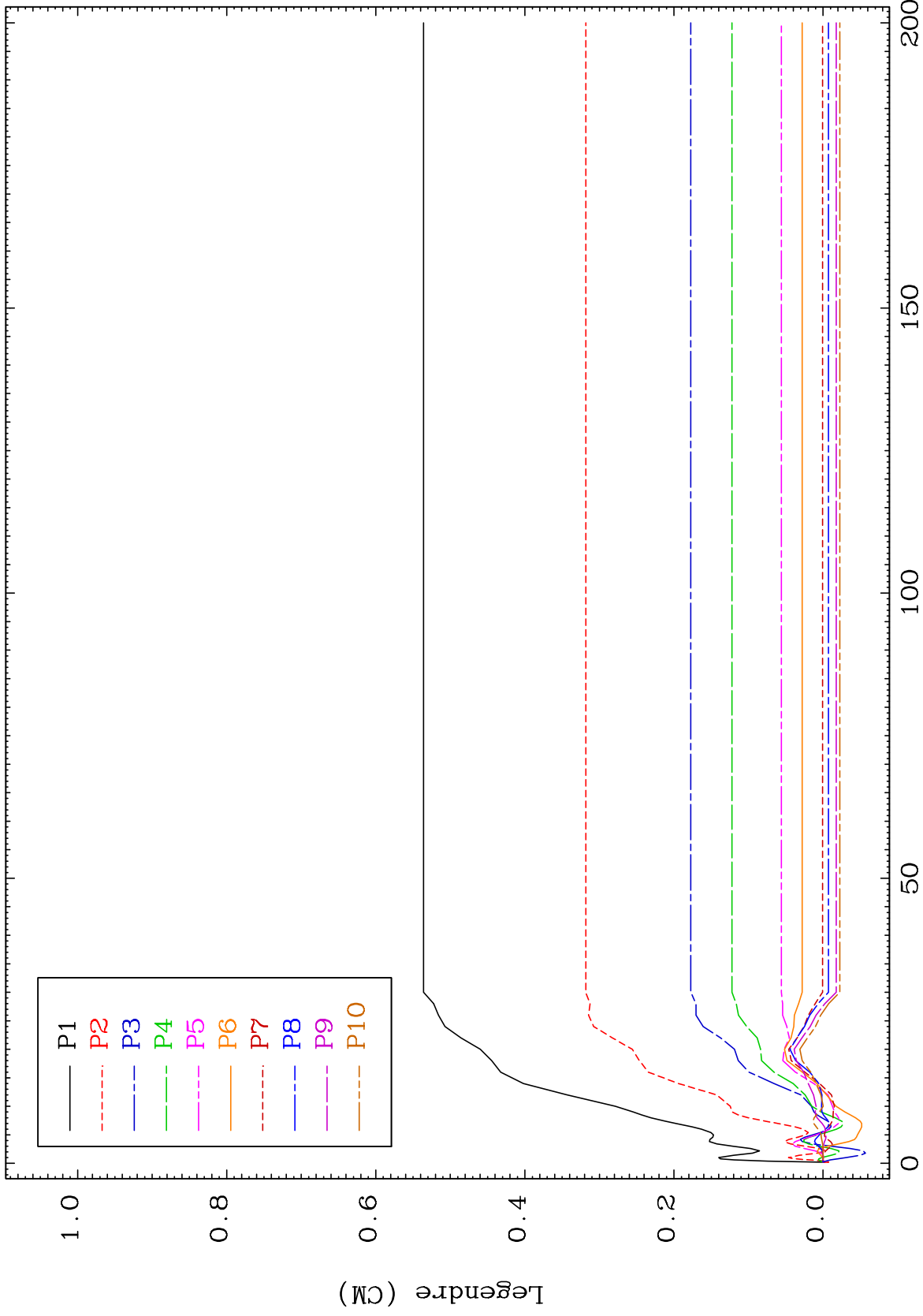


27

Incident Energy (MeV)

74-W -189

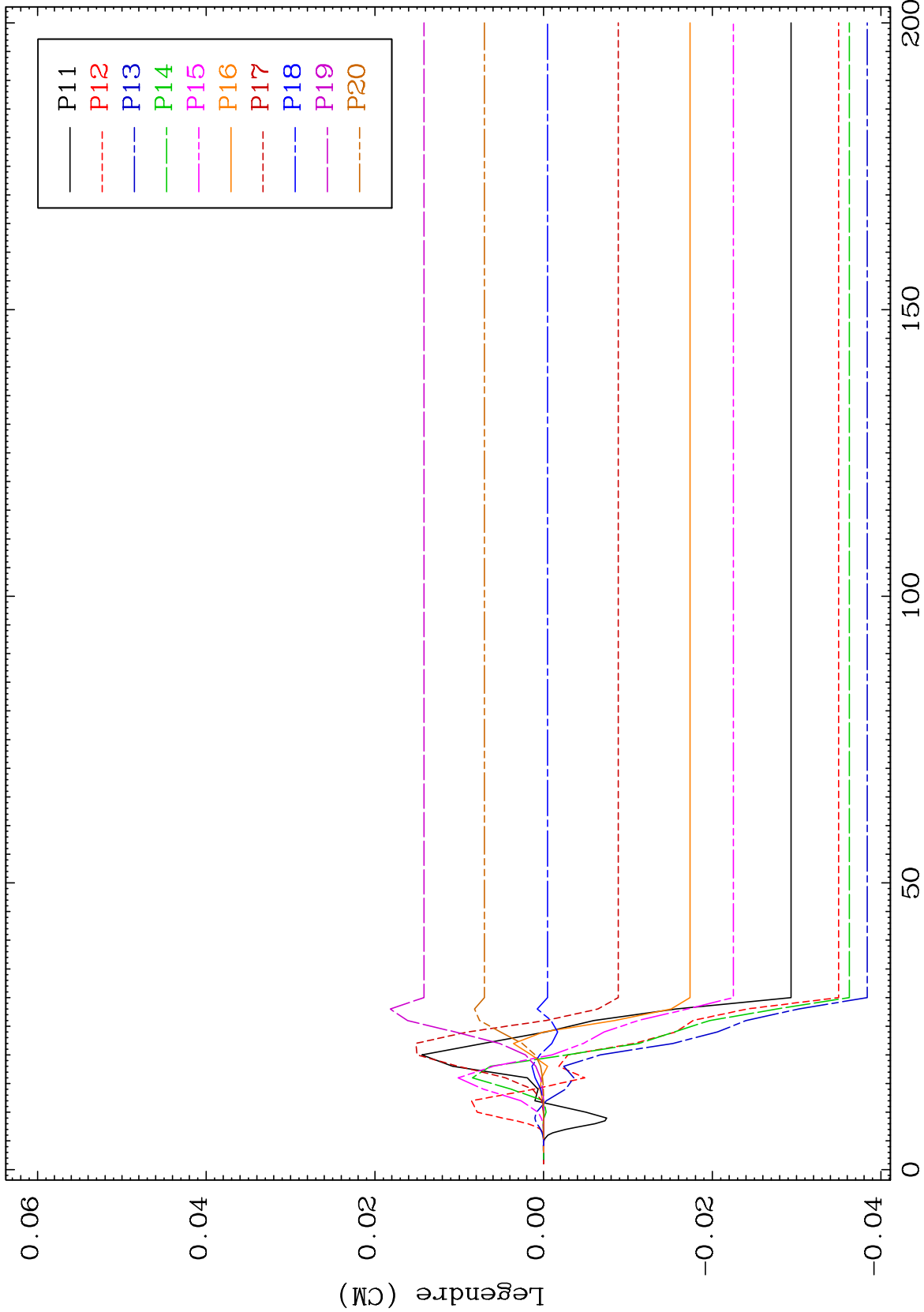




MAT 7452

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

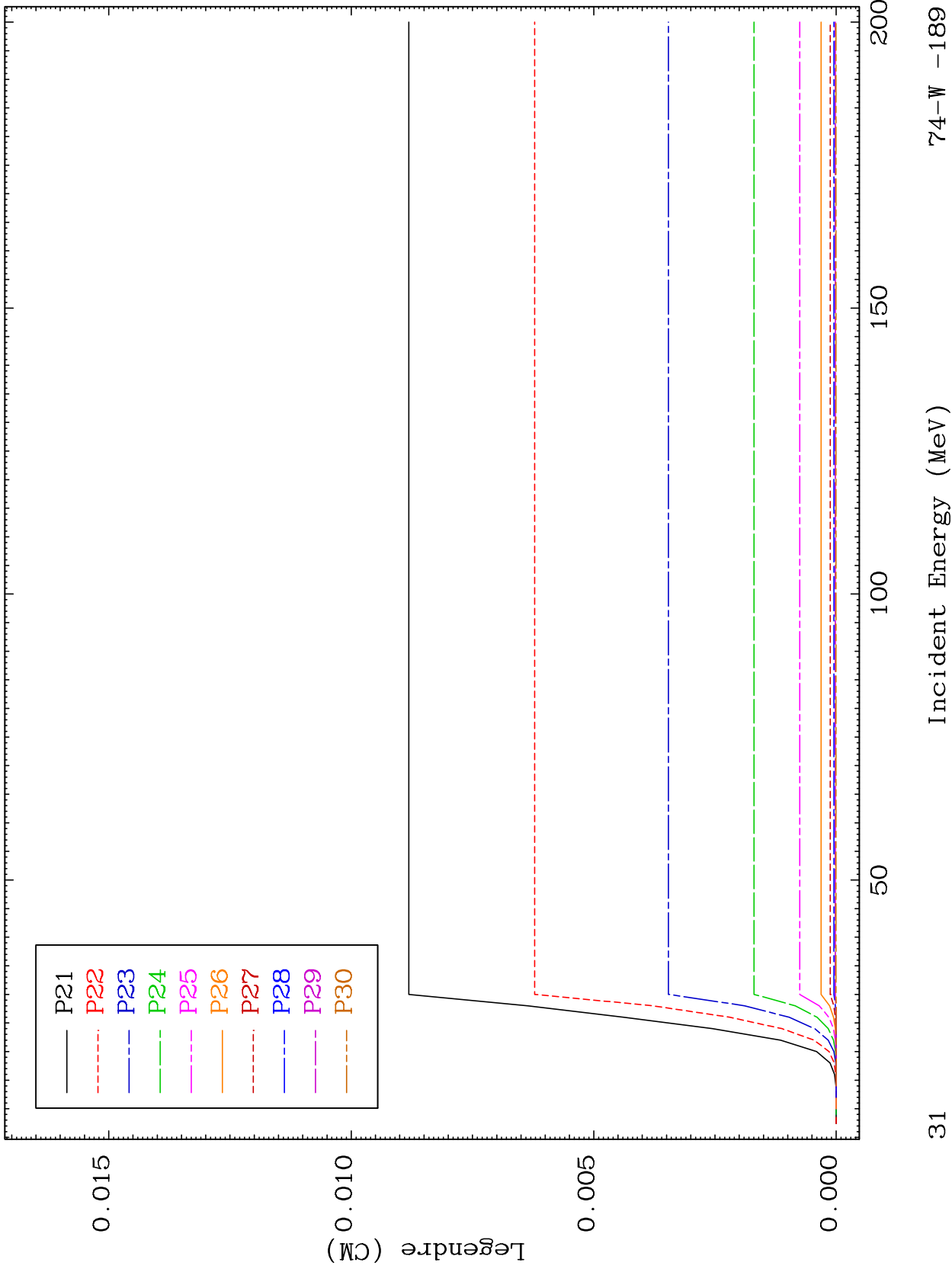
74-W -189



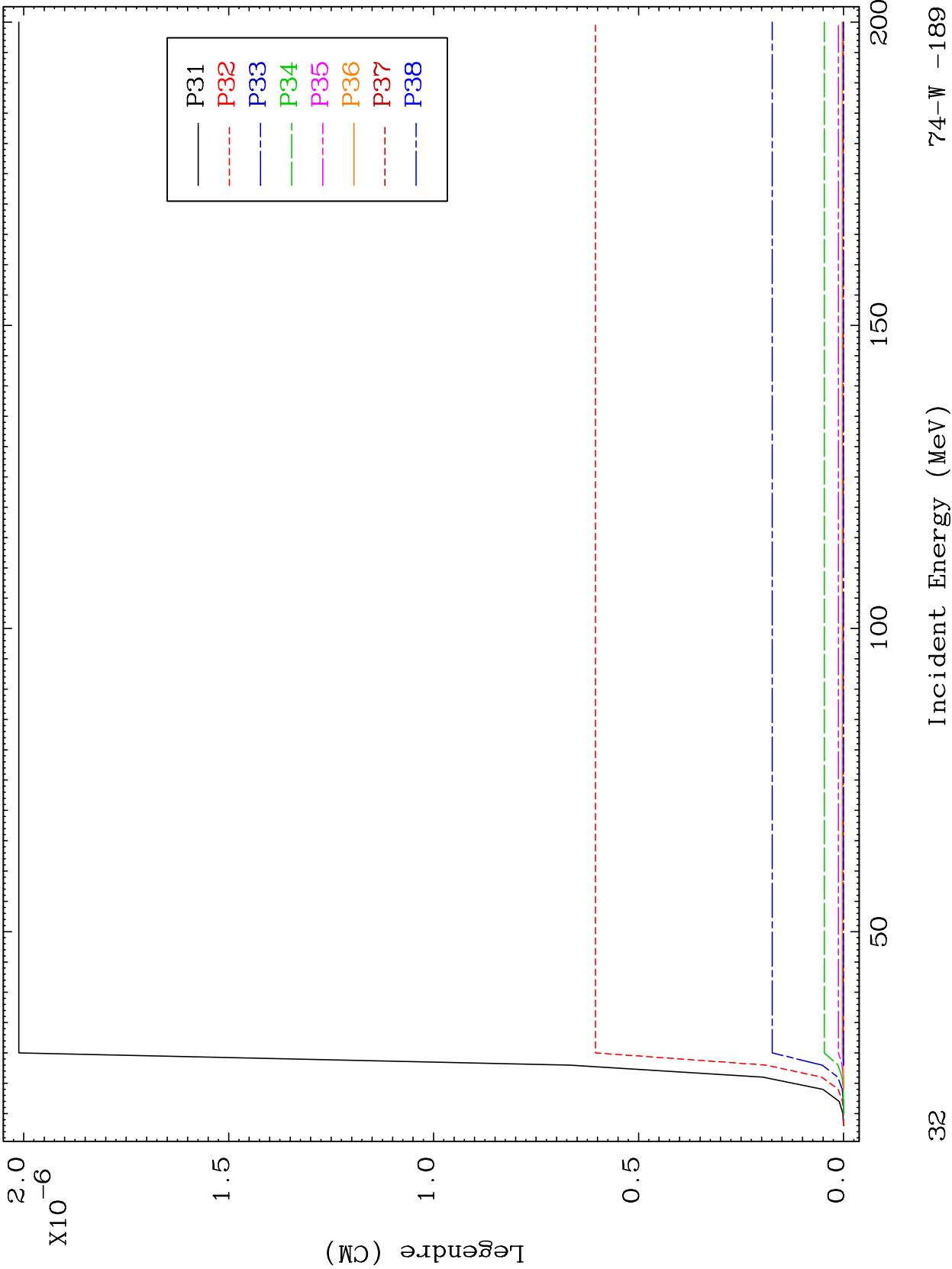
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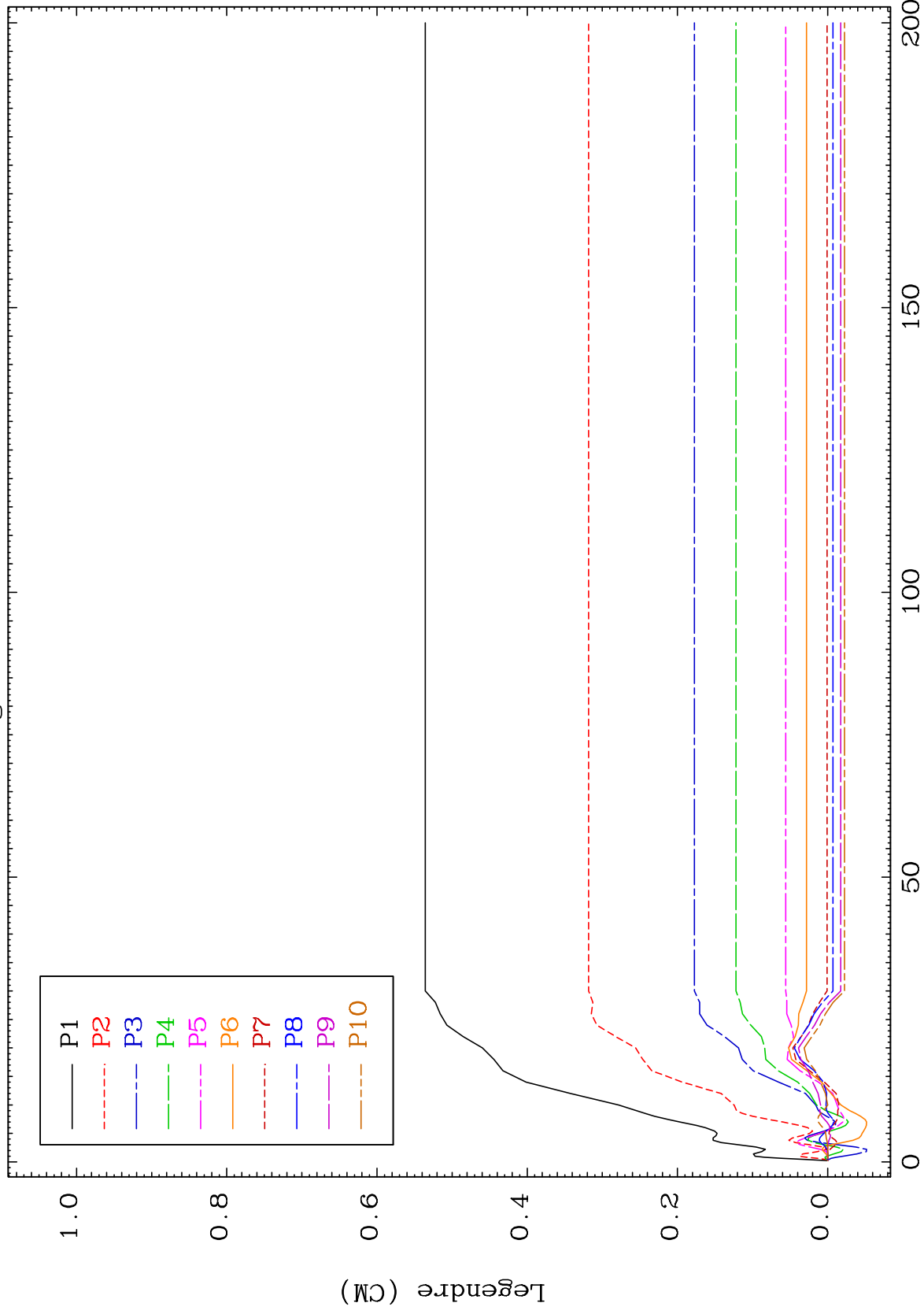
Incident Energy (MeV)

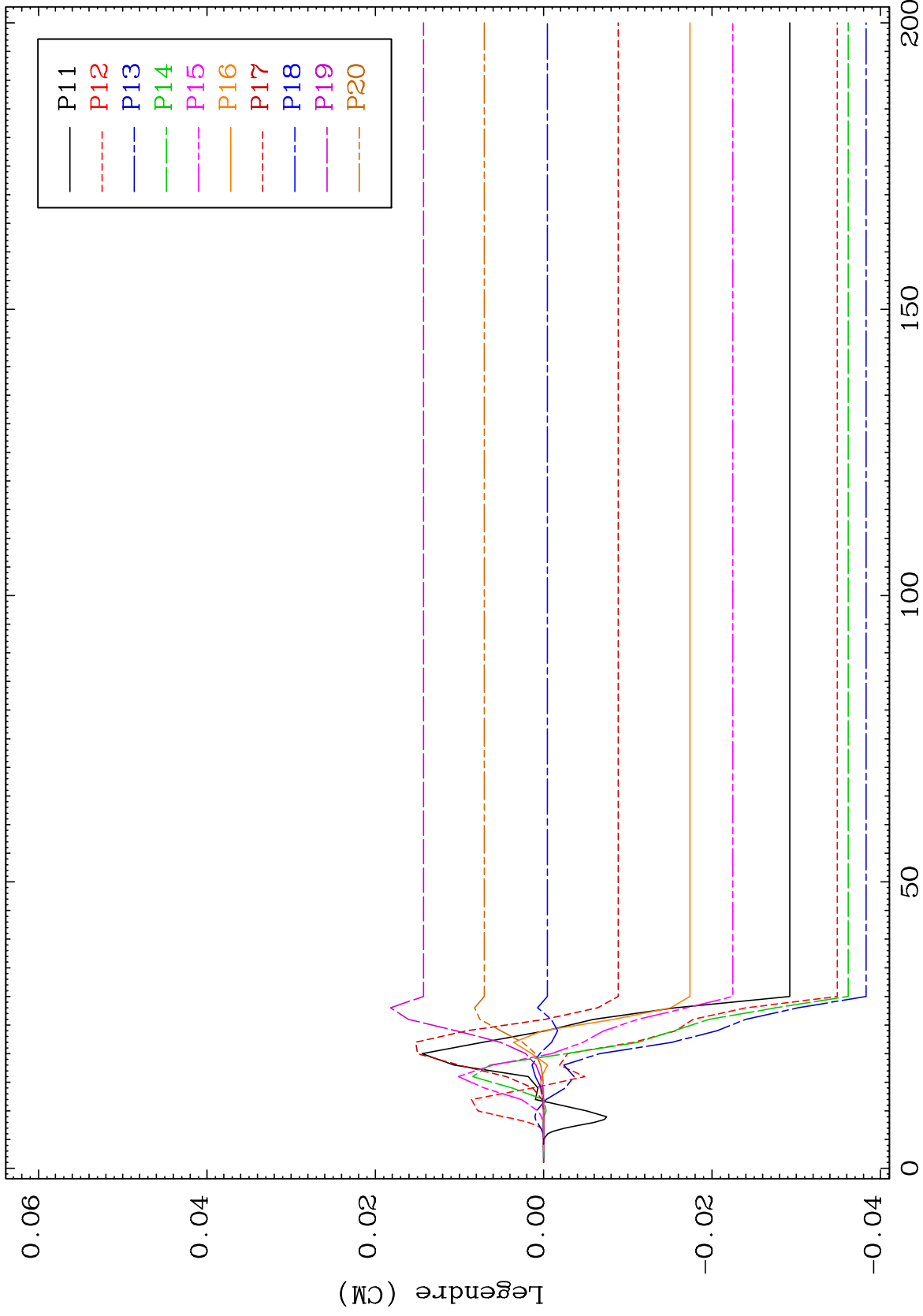
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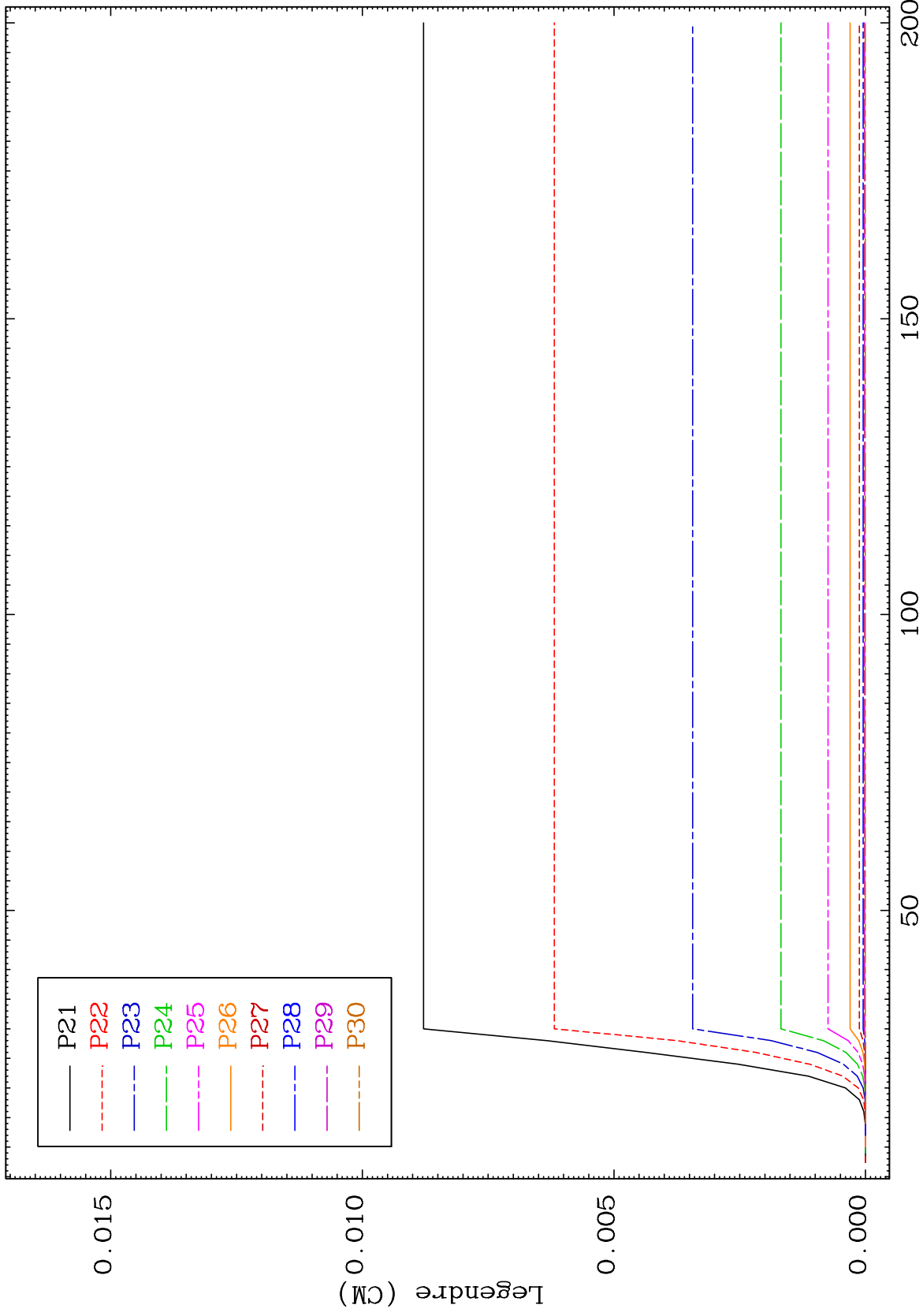


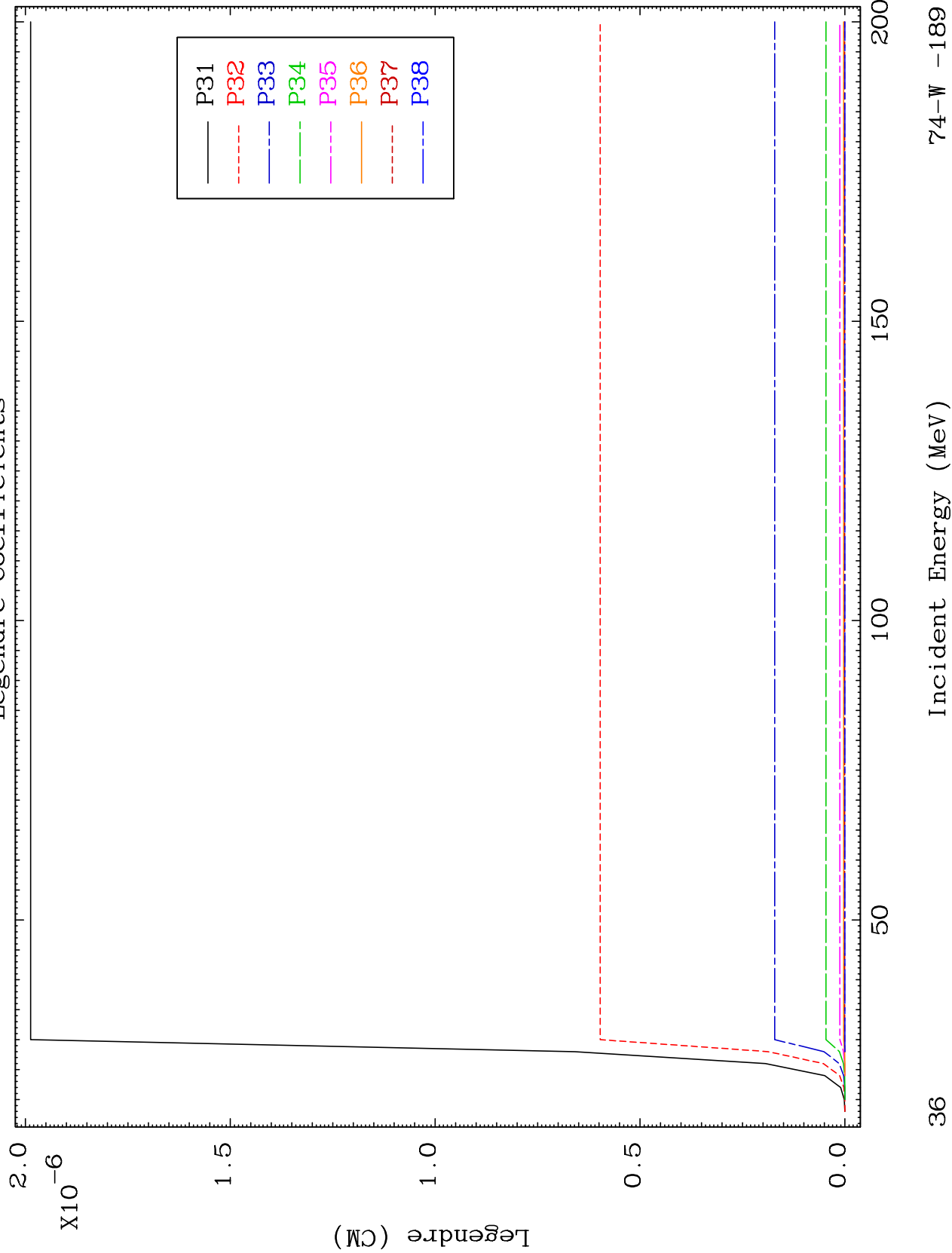








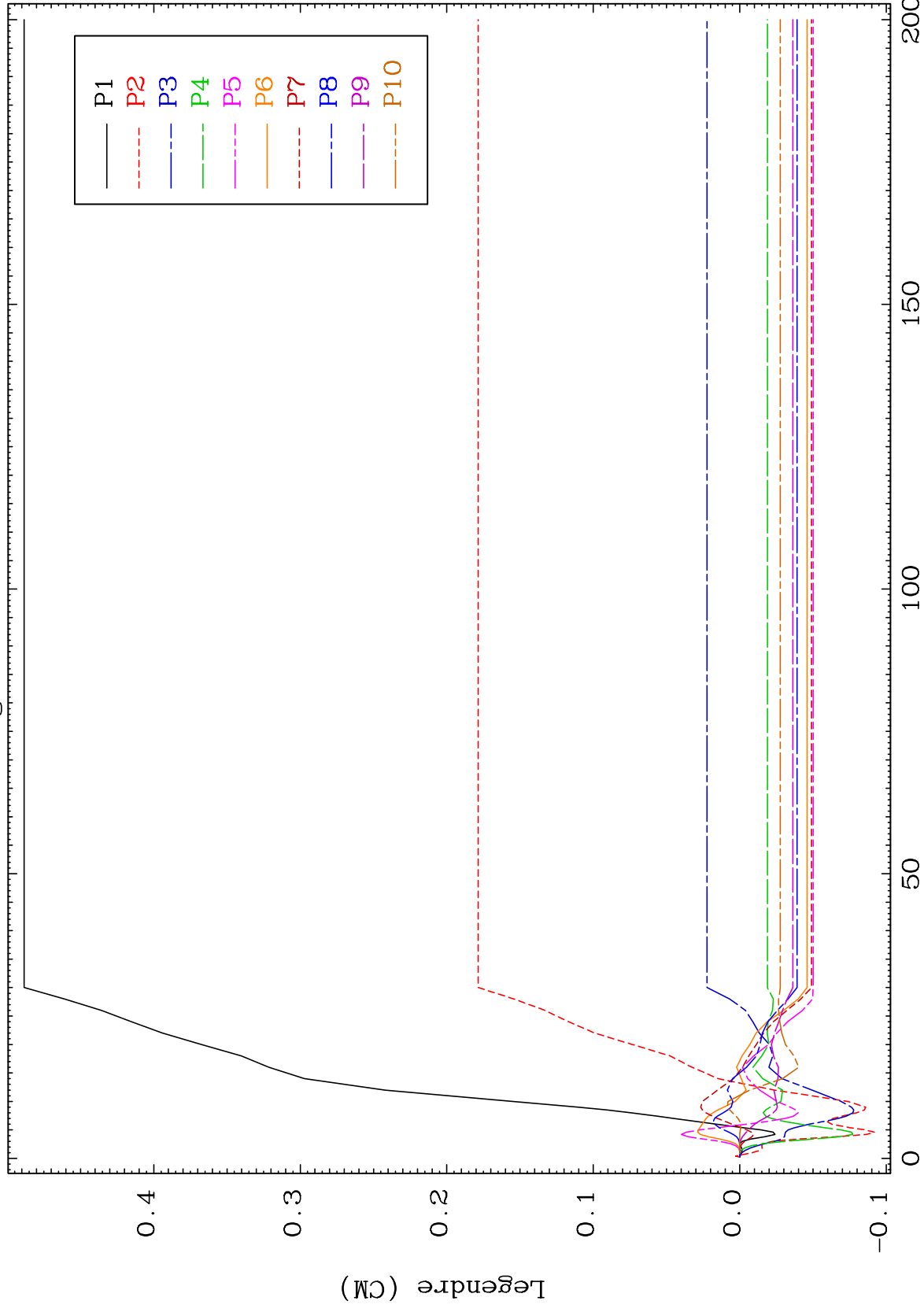




MAT 7452

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

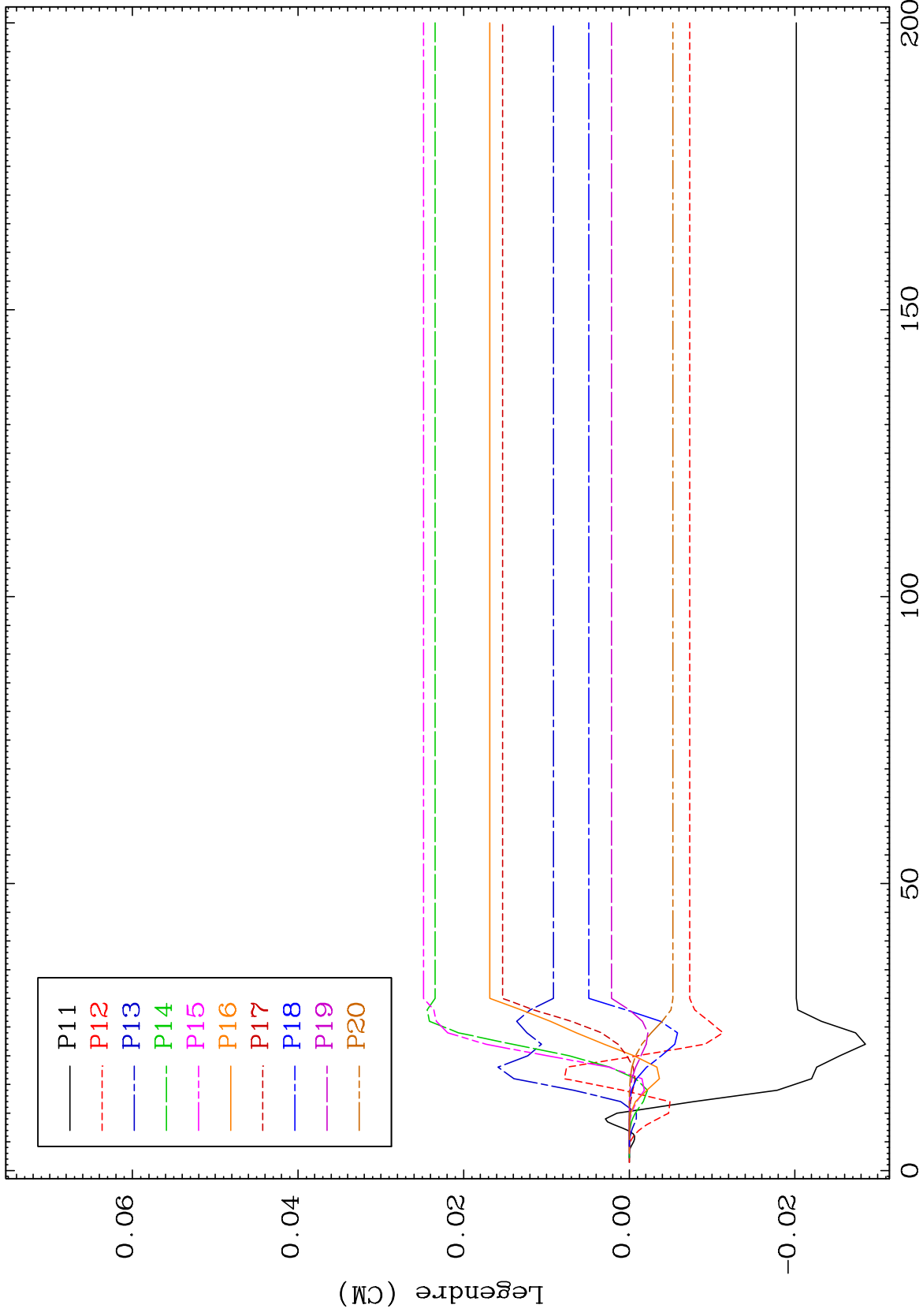
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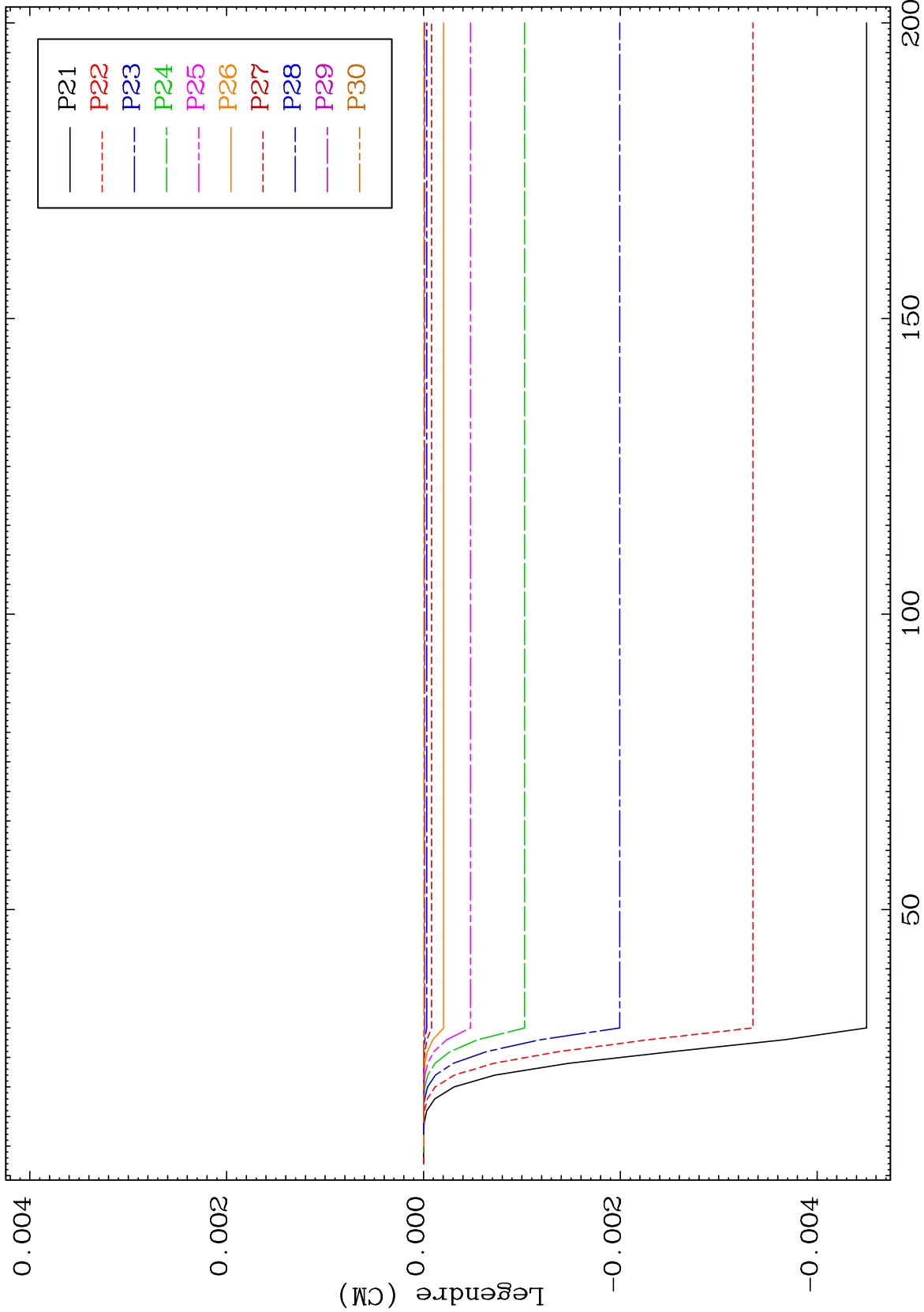


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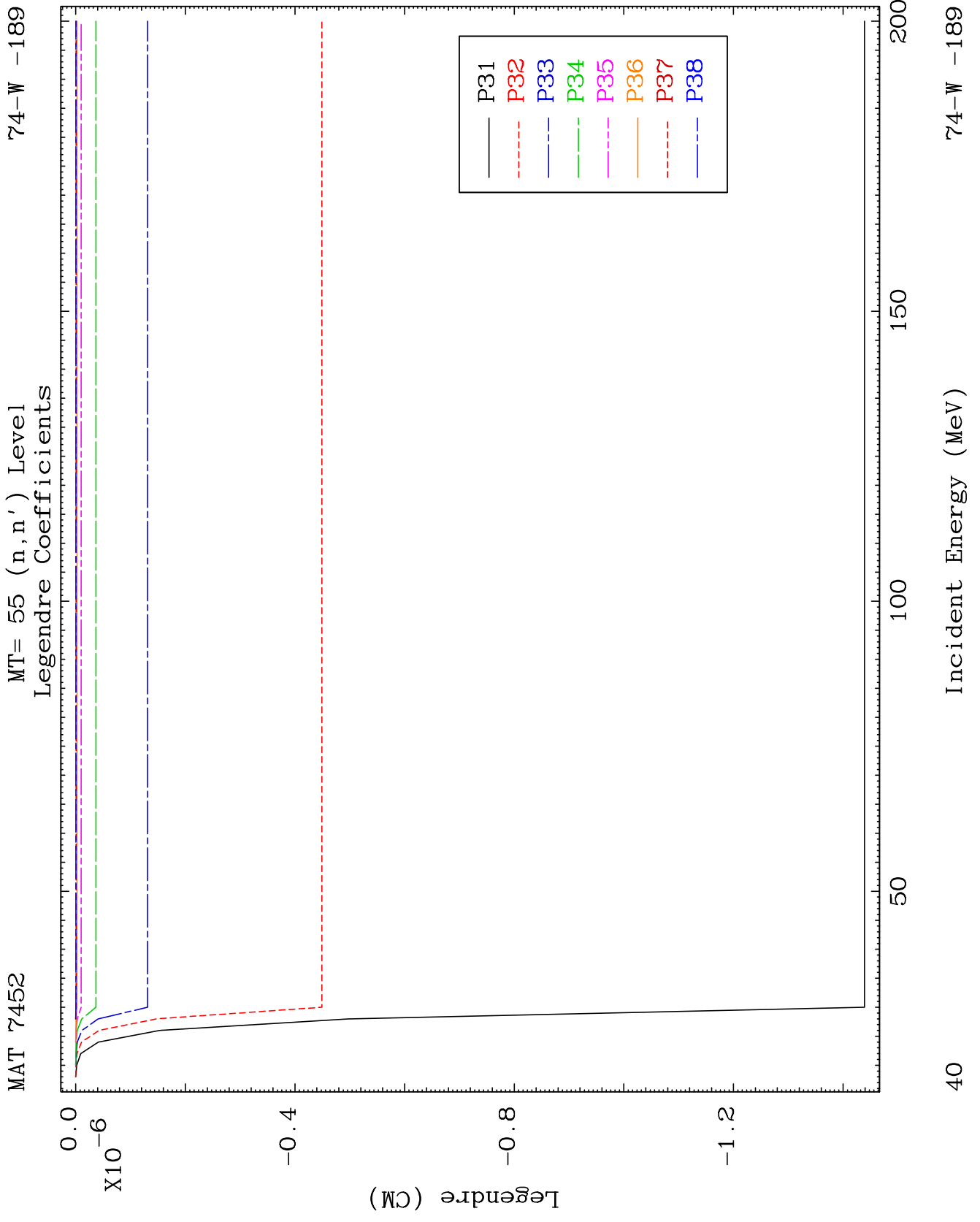
Incident Energy (MeV)

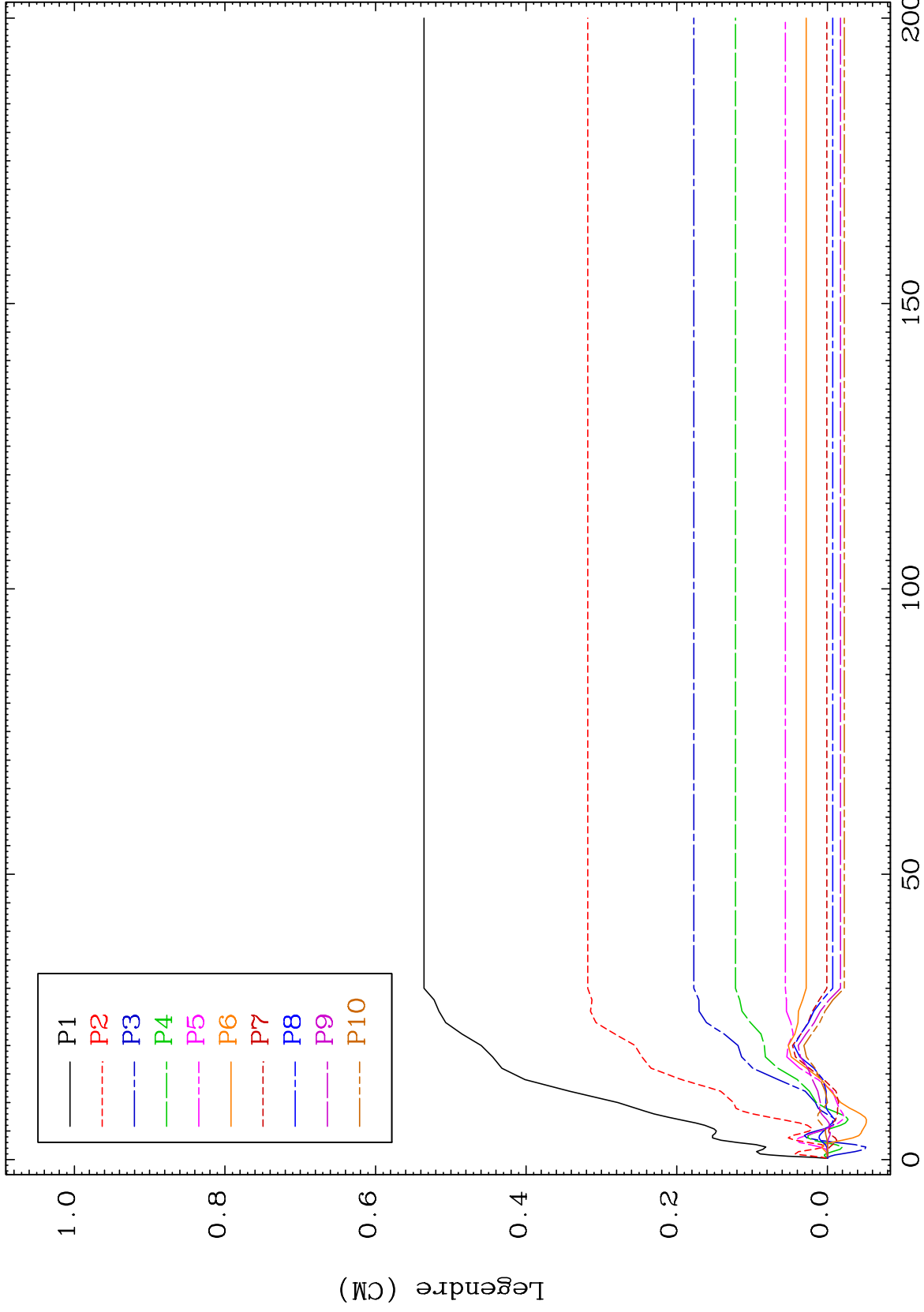
74-W -189







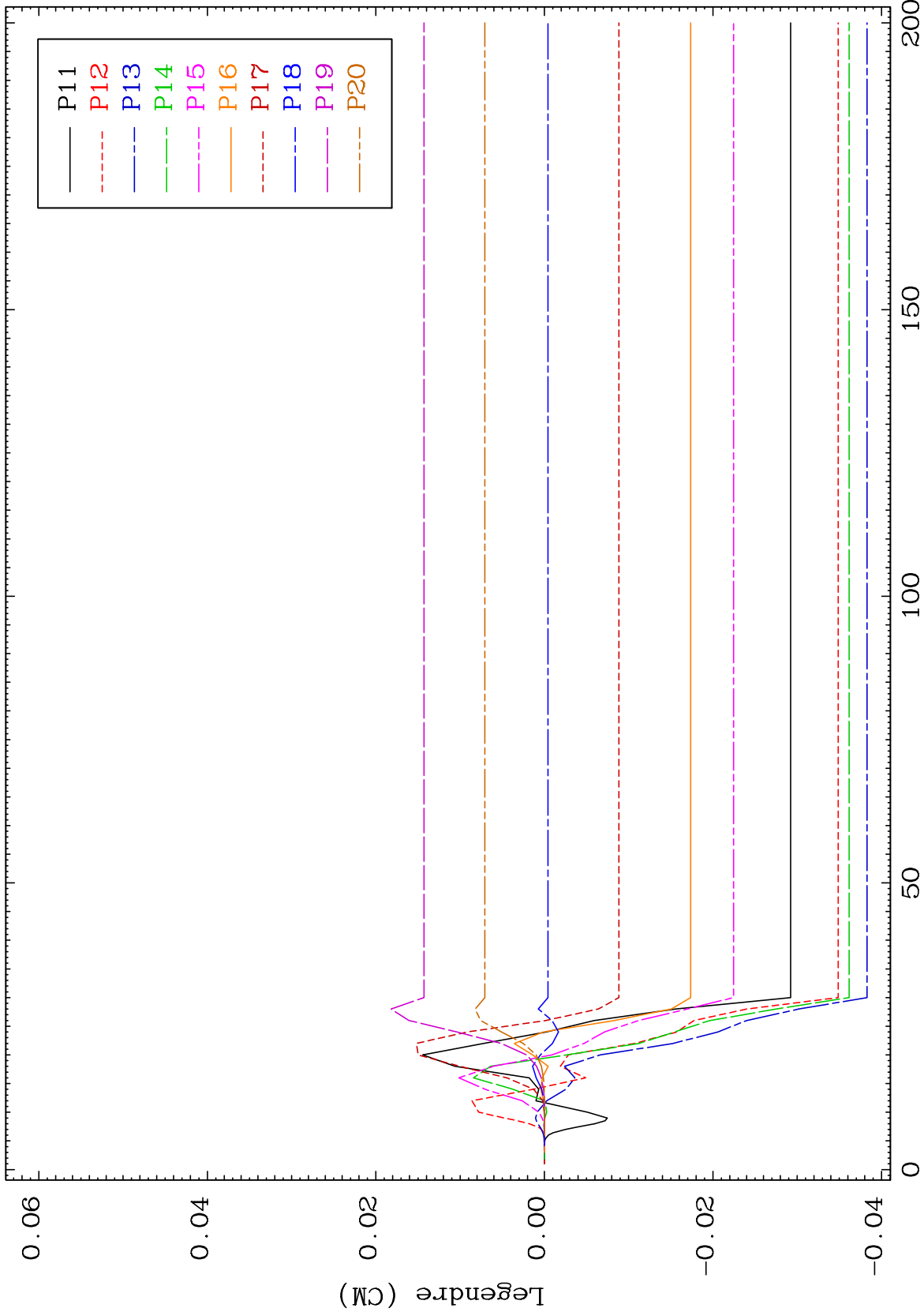




MAT 7452

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

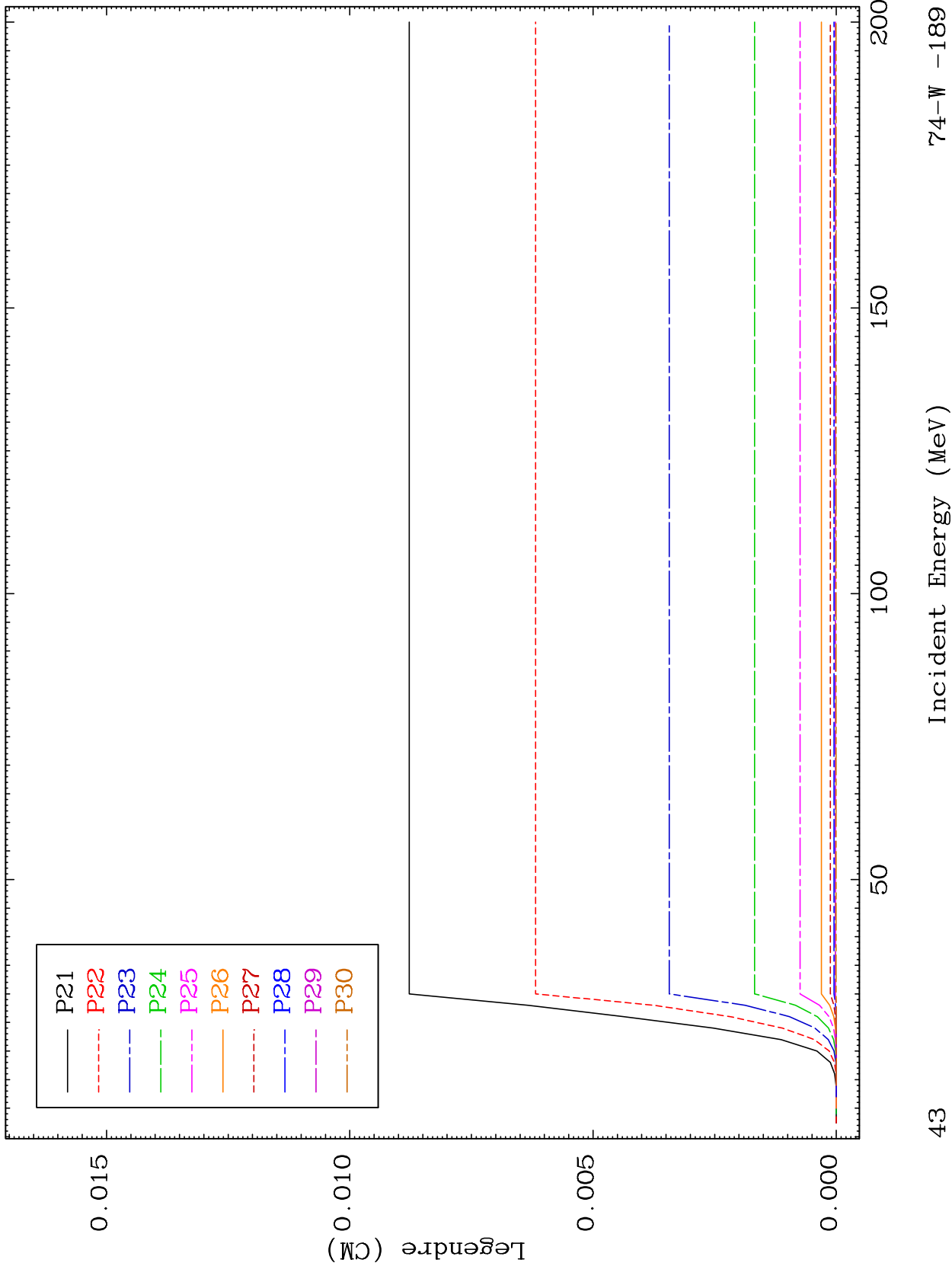
74-W -189

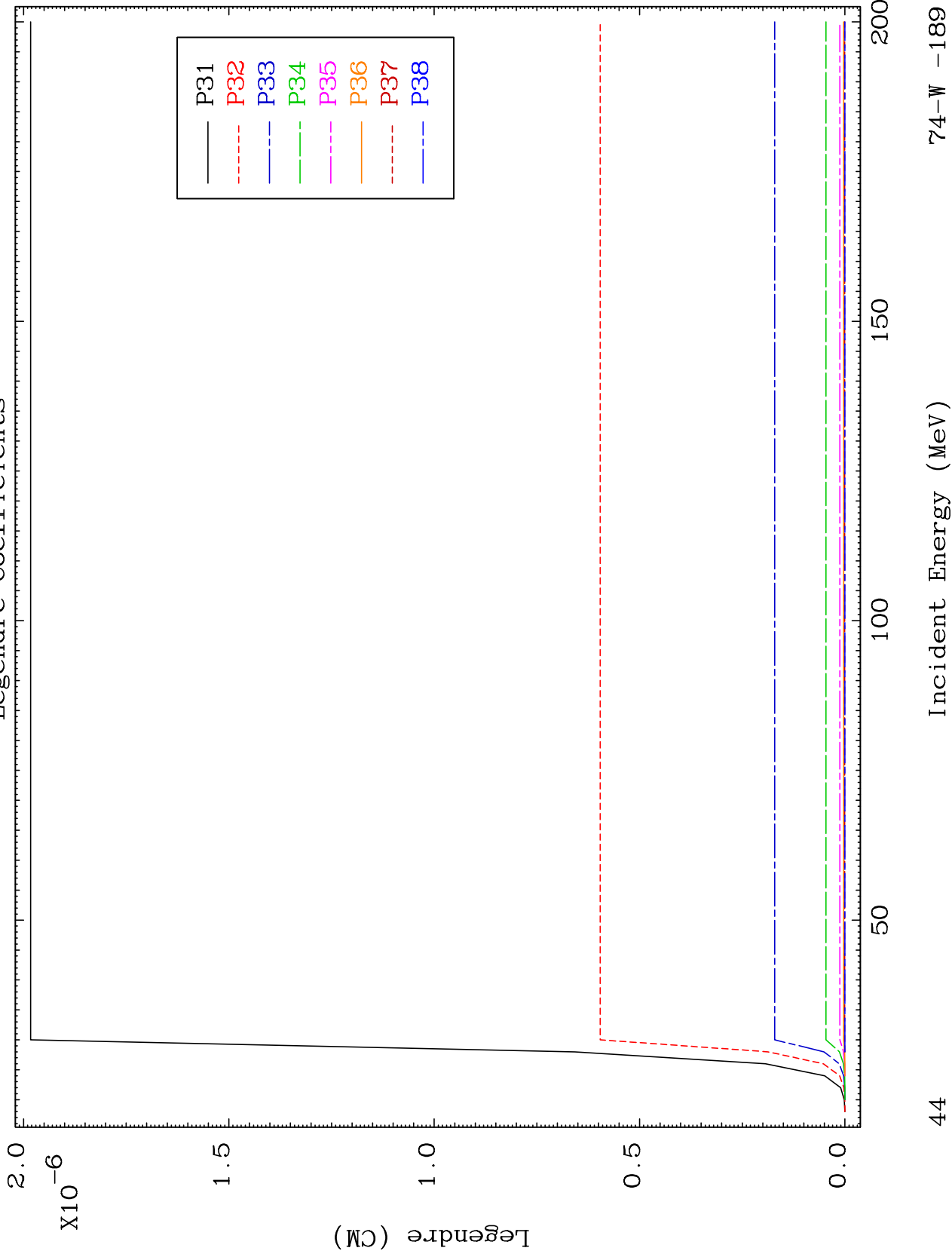


42

Incident Energy (MeV)

74-W -189

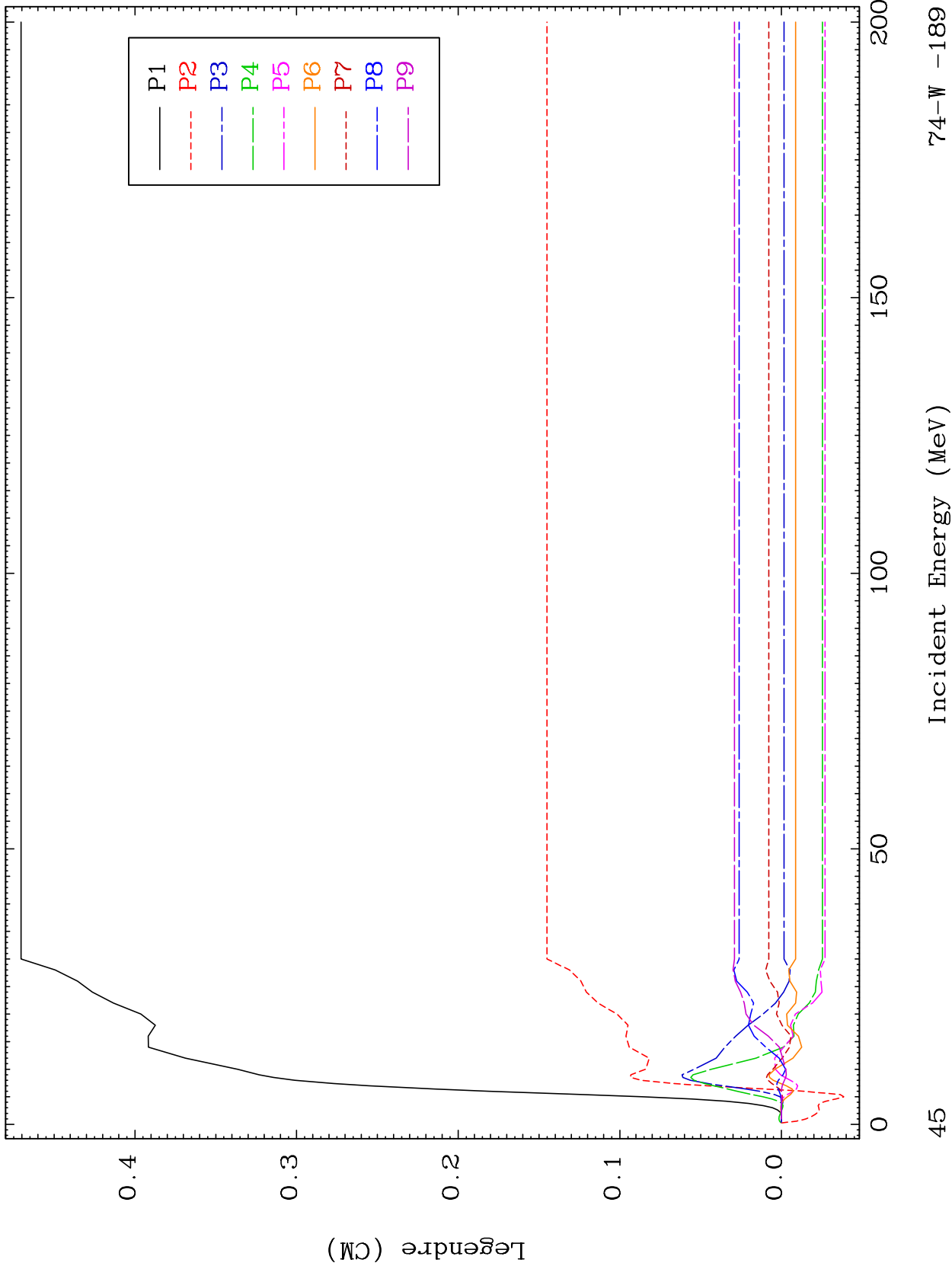




MAT 7452

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

74-W -189

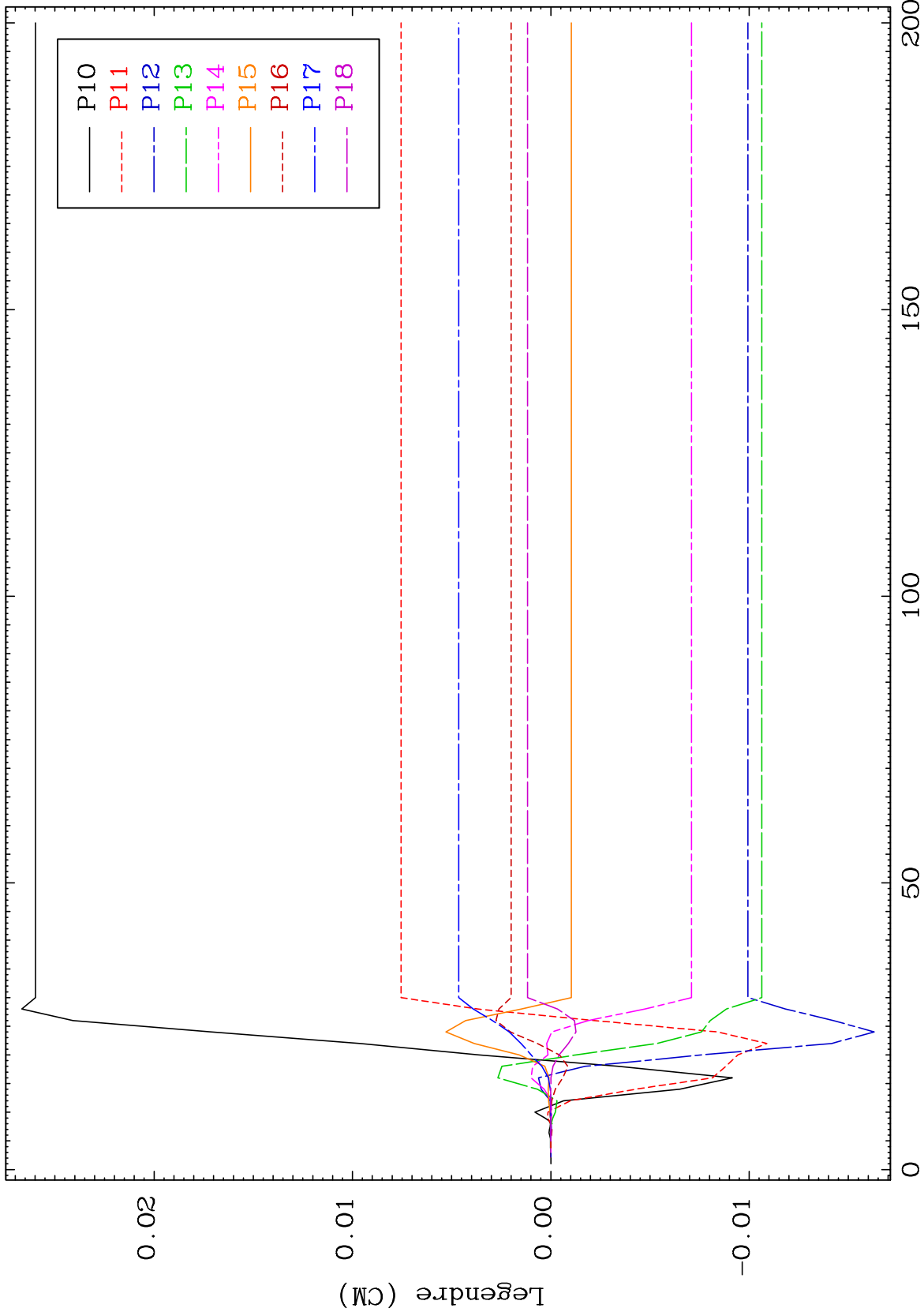


74-W -189

MAT 7452

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

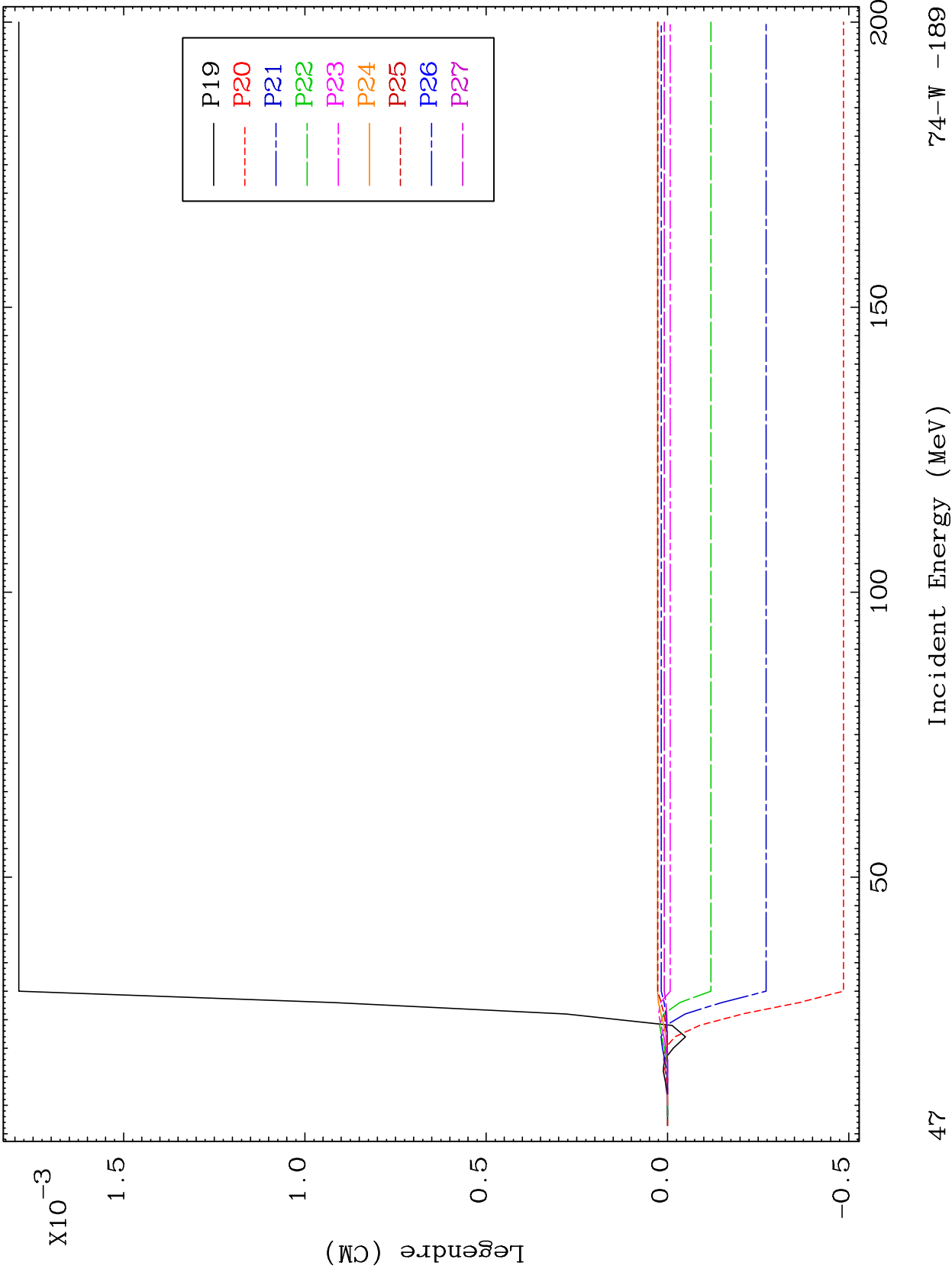
74-W -189



46

Incident Energy (MeV)

74-W -189

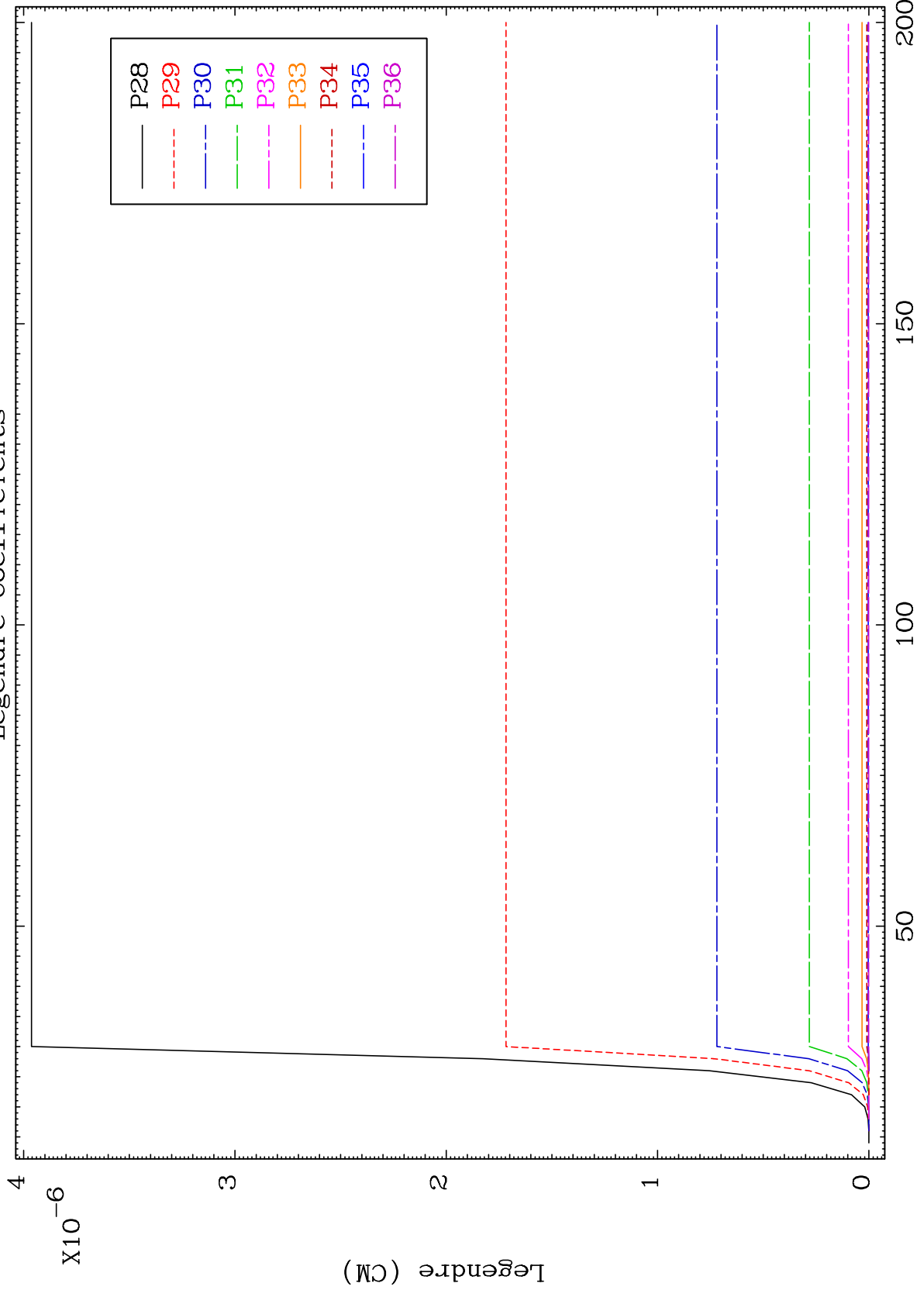




MAT 7452

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

74-W -189



48

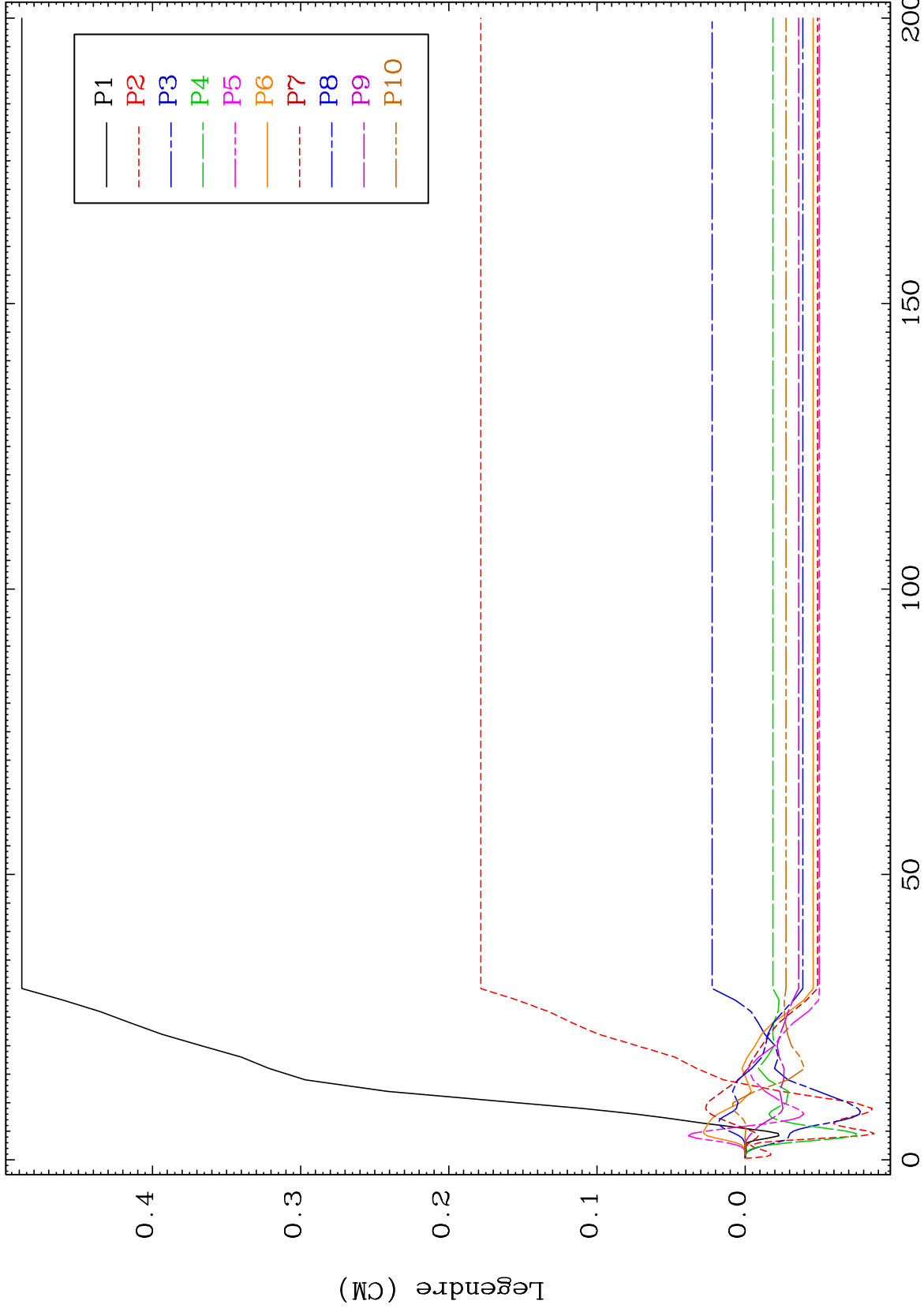
Incident Energy (MeV)

74-W -189

MAT 7452

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

74-W -189



49

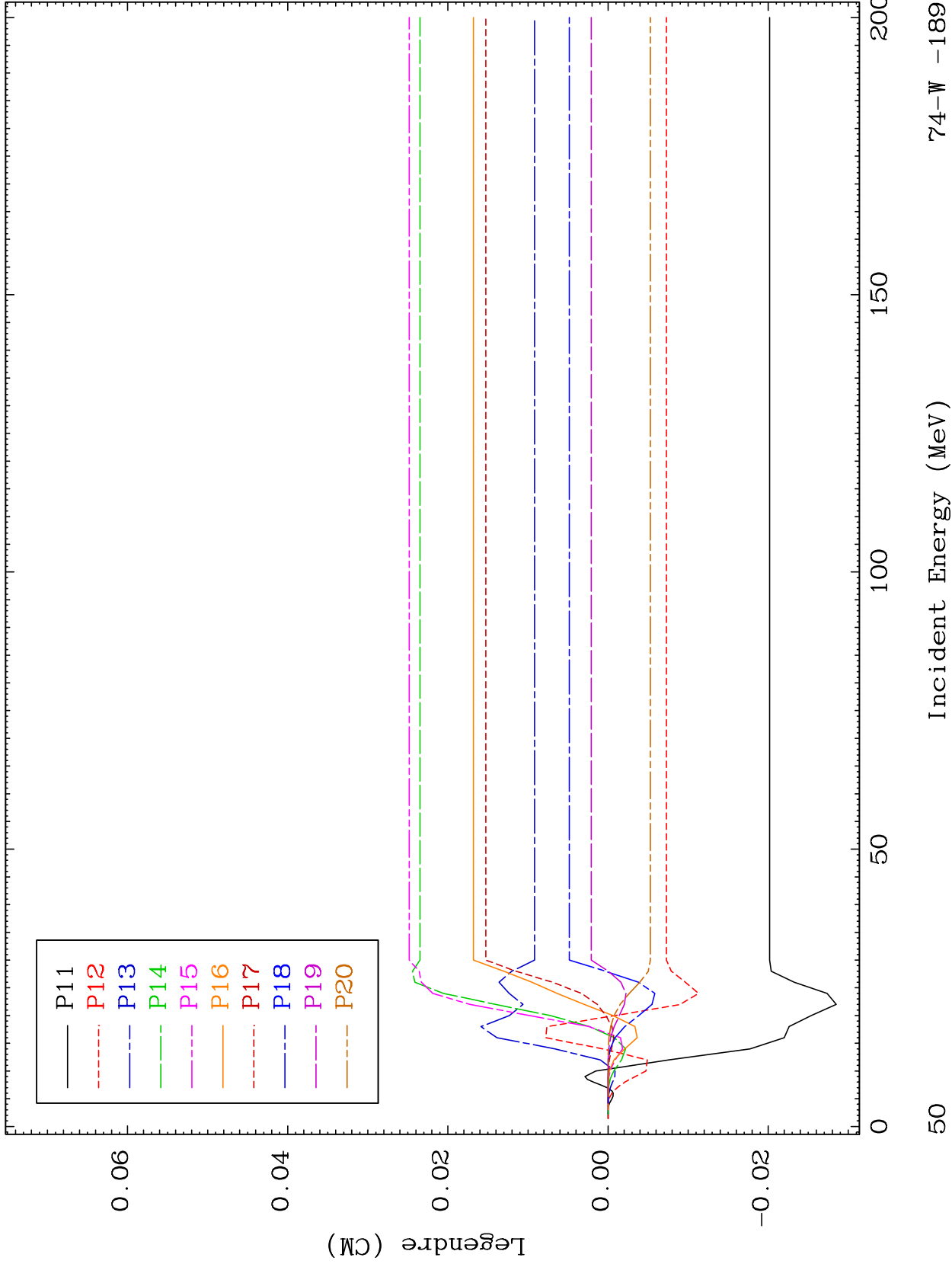
Incident Energy (MeV)

74-W -189

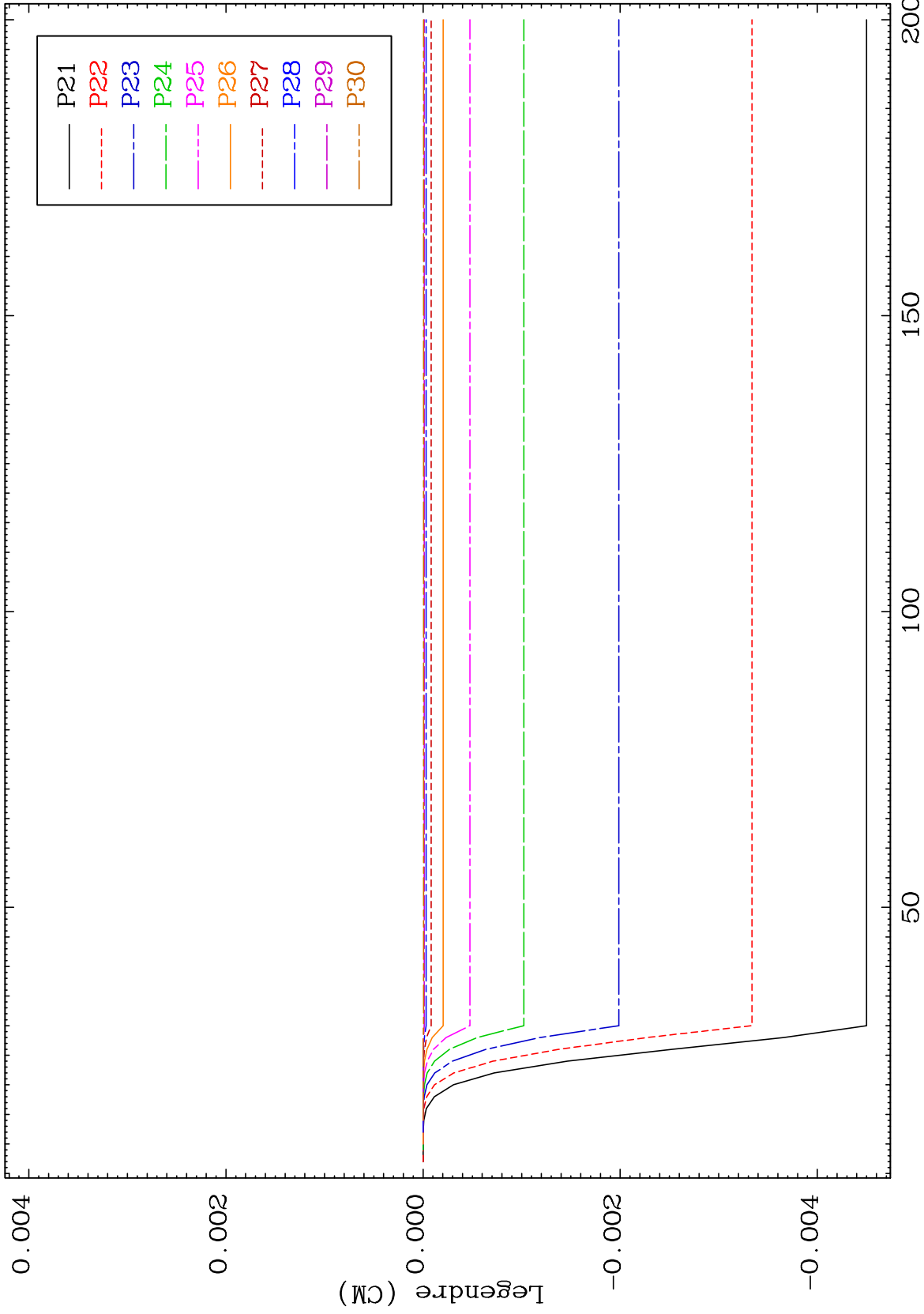
MAT 7452

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

74-W -189



74-W -189

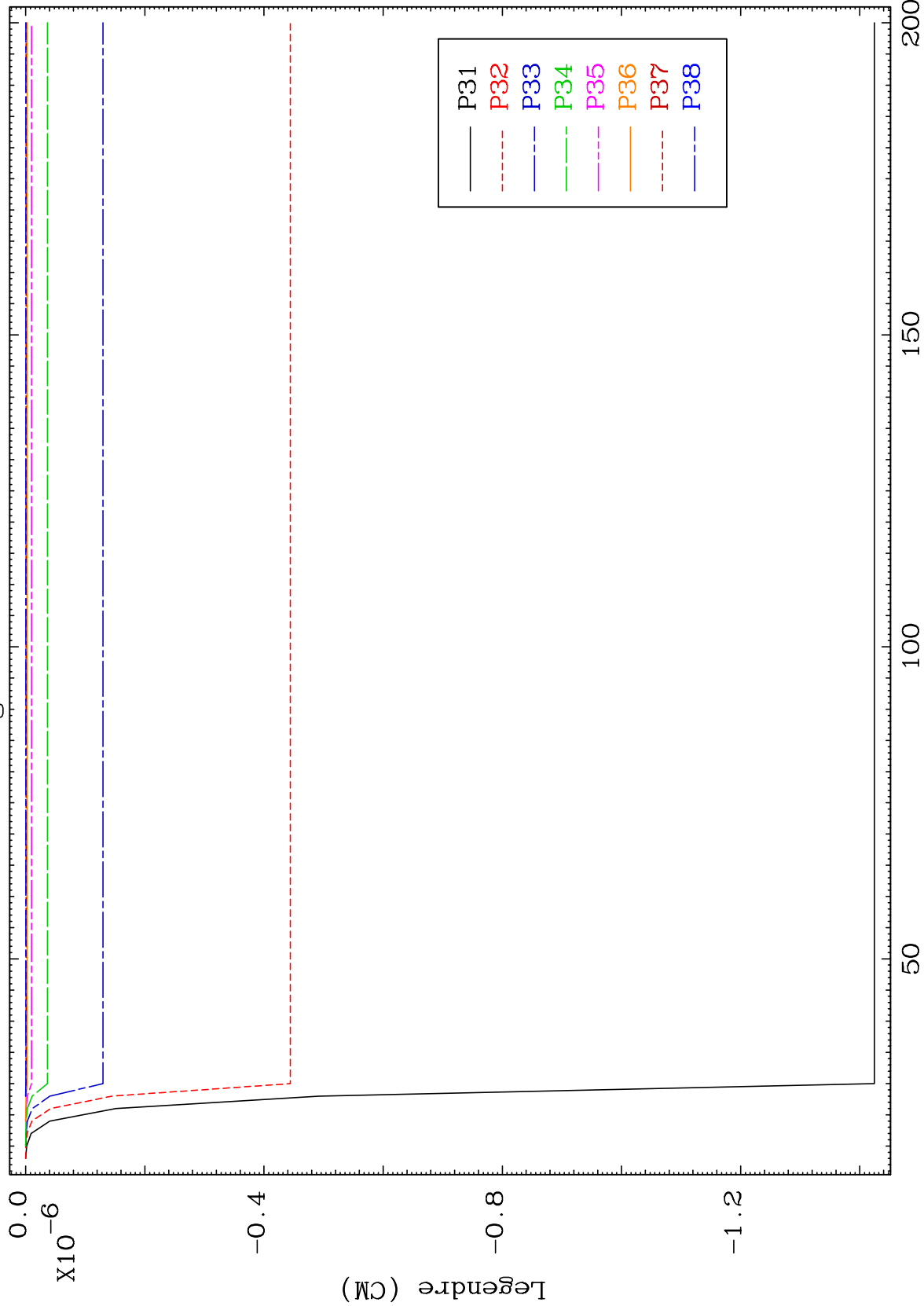


MAT 7452

MT= 58 (n,n') Level

74-W -189

Legendre Coefficients



52

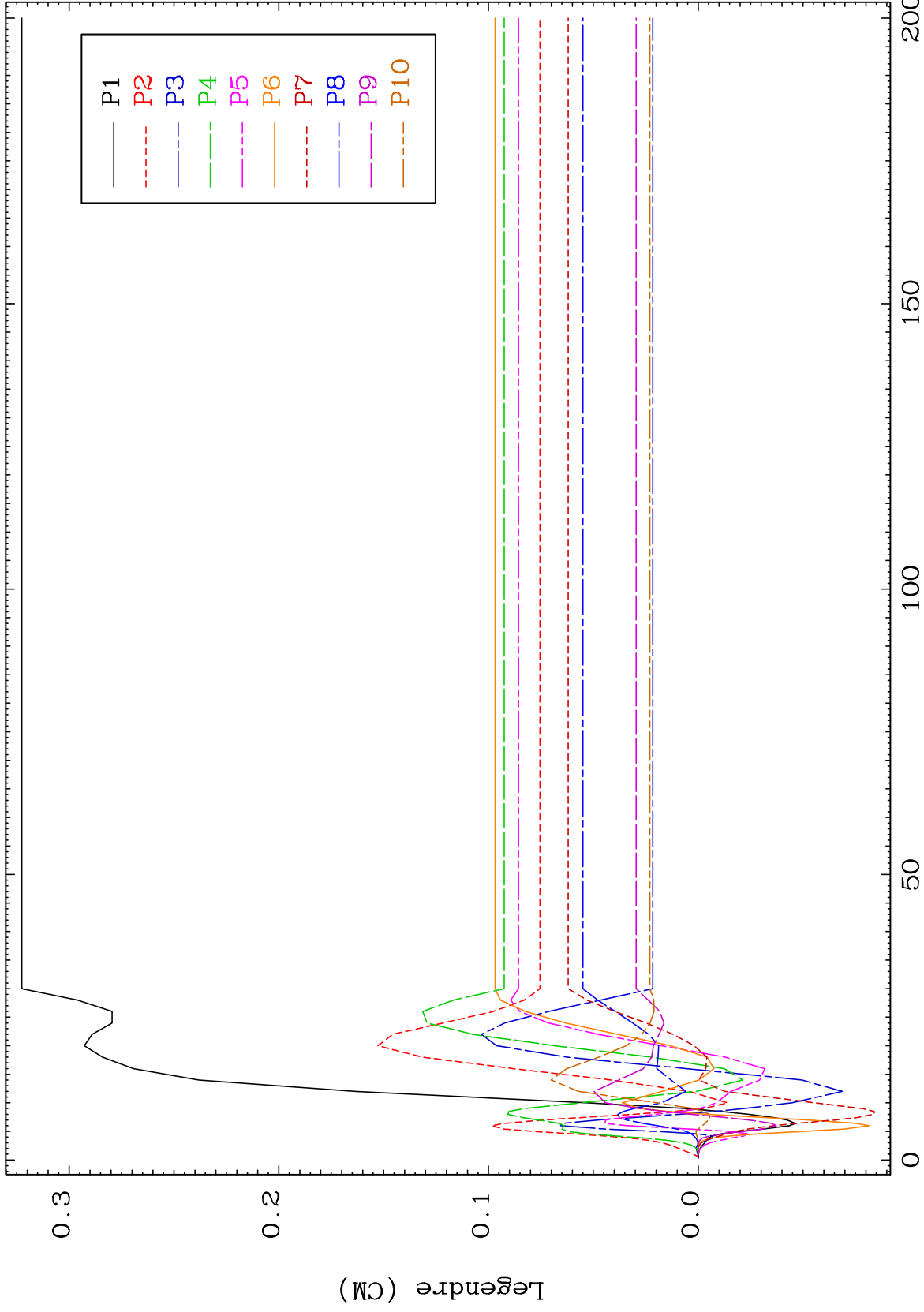
Incident Energy (MeV)

74-W -189

MAT 7452

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

74-W -189



53

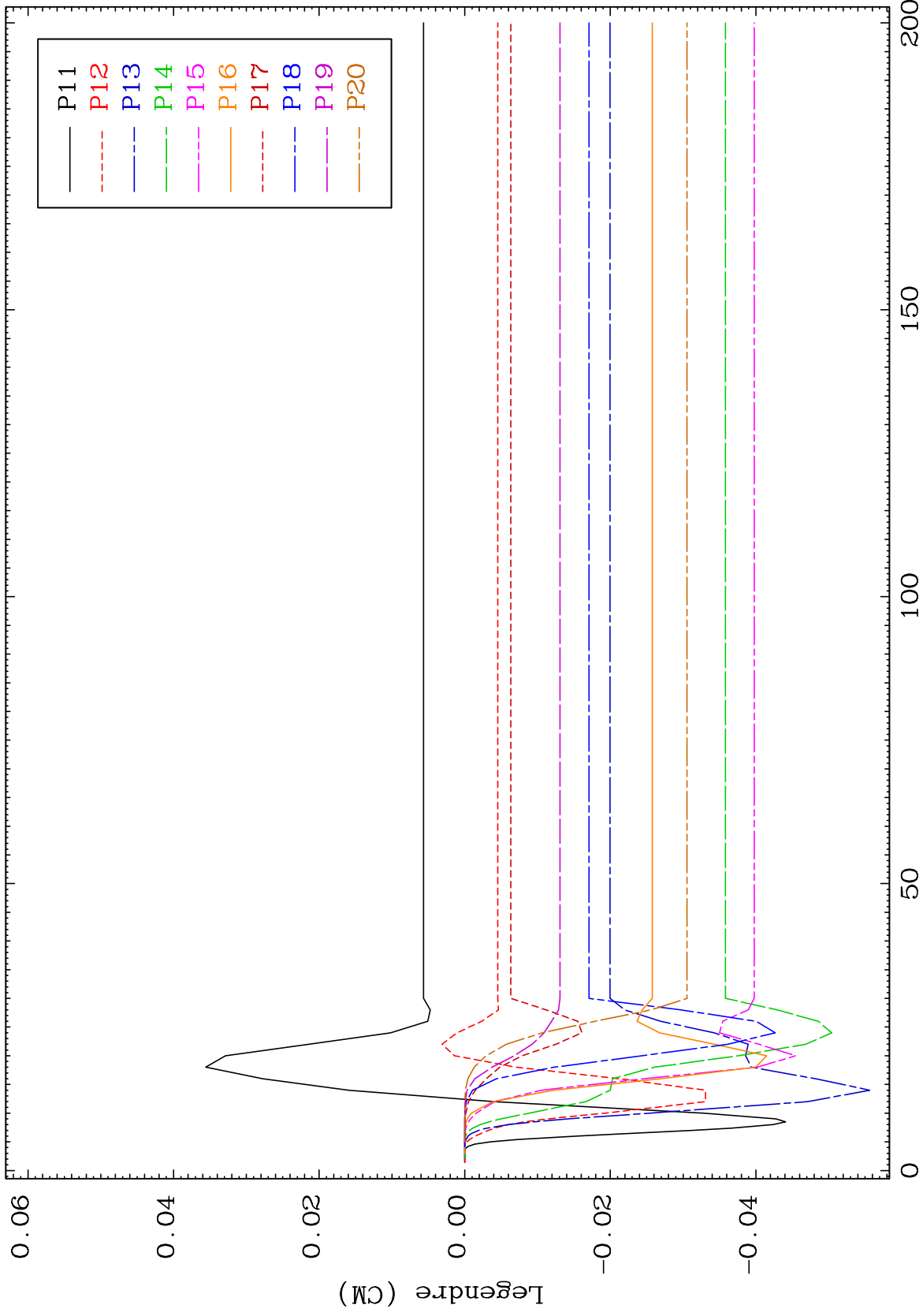
Incident Energy (MeV)

74-W -189

MAT 7452

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

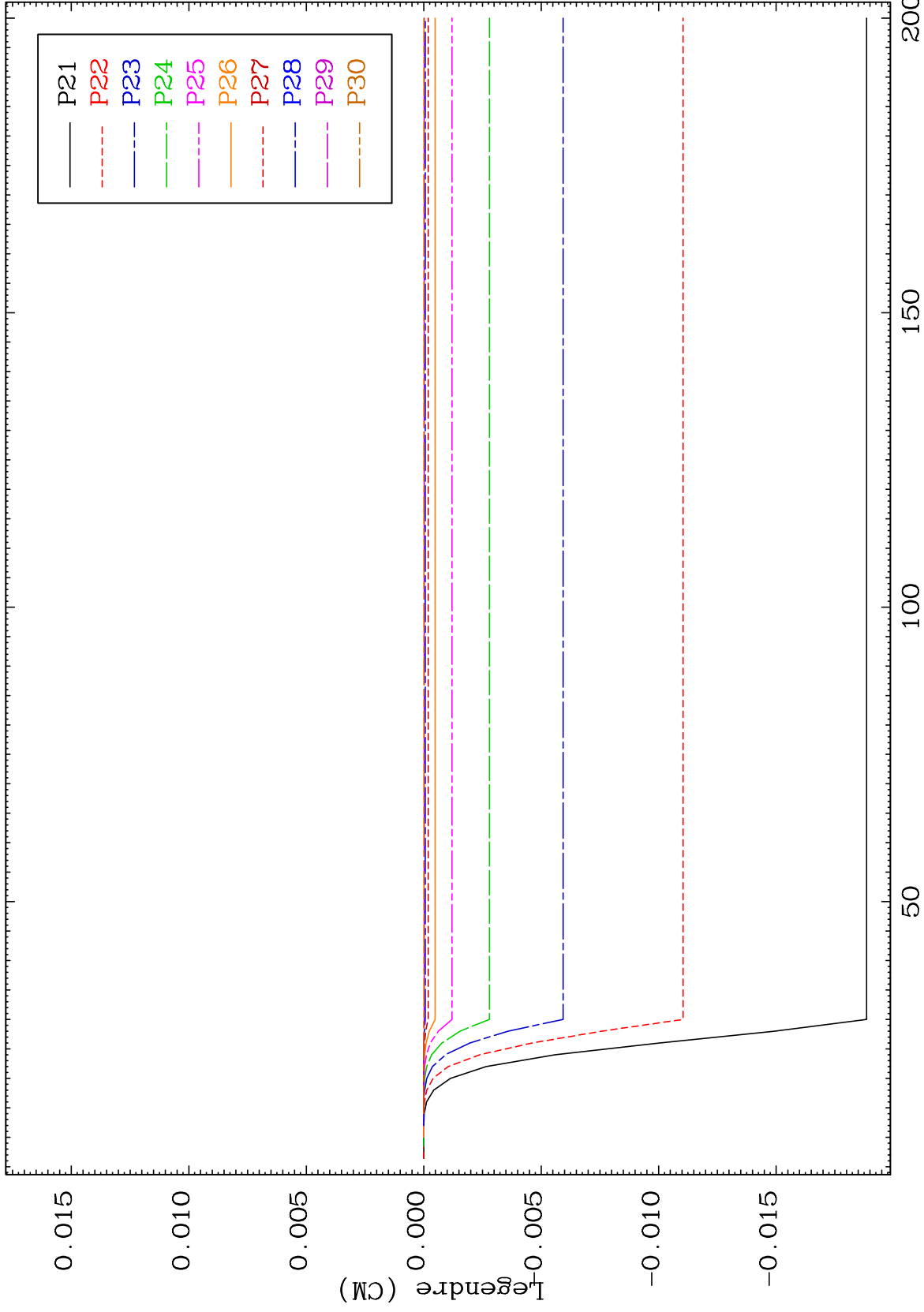
74-W -189



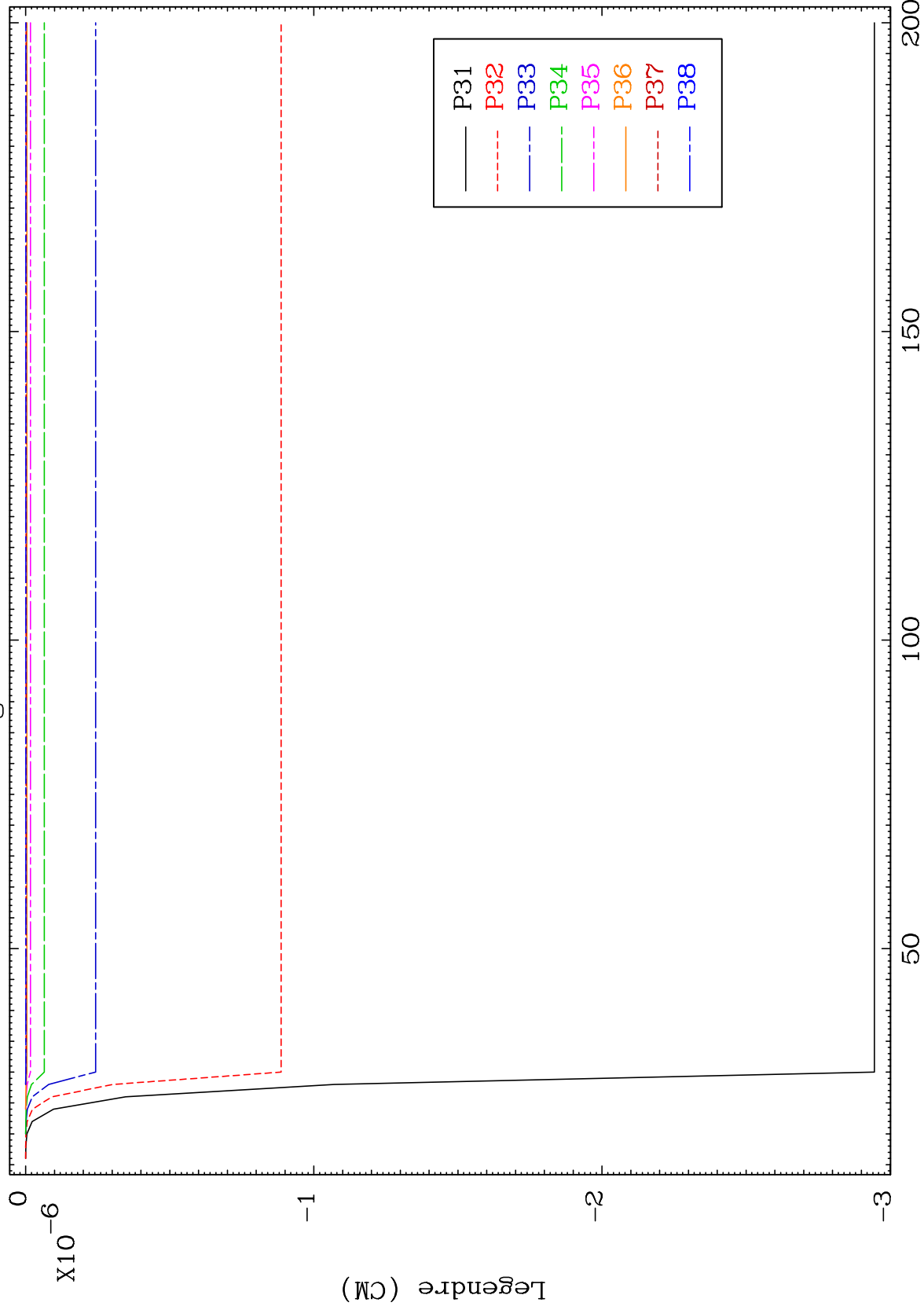
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Incident Energy (MeV)

74-W -189



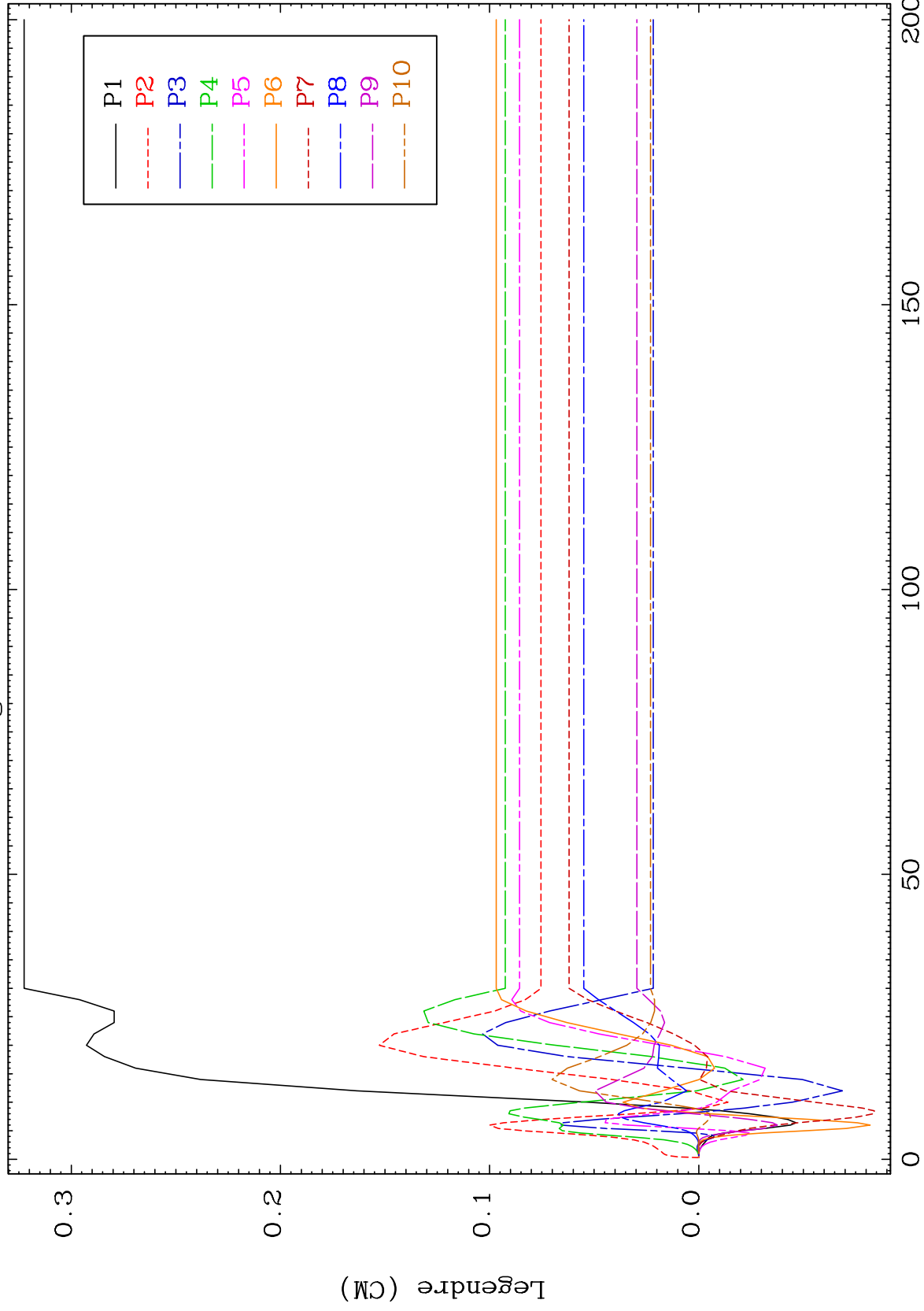




MAT 7452

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

74-W -189



57

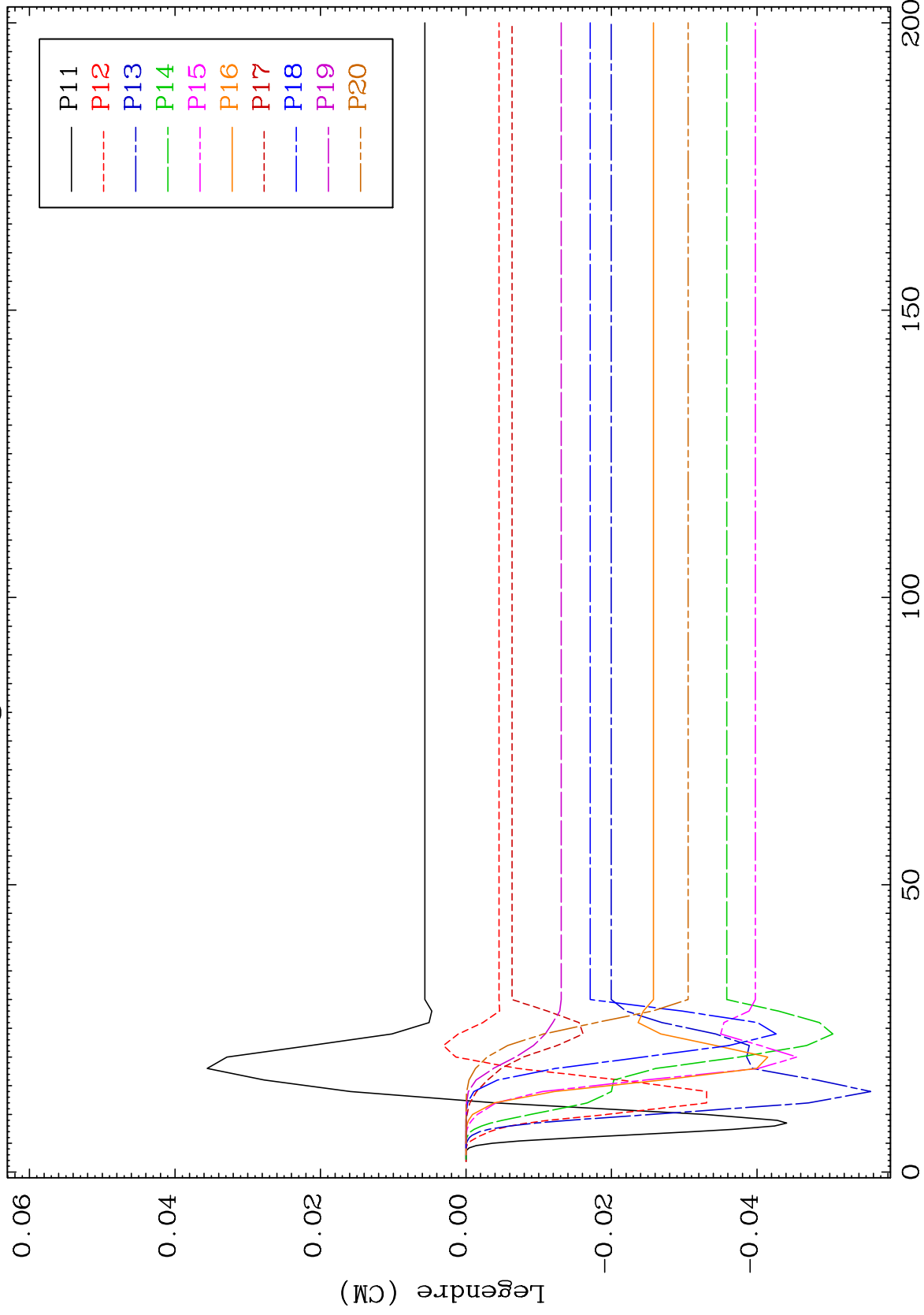
Incident Energy (MeV)

74-W -189

MAT 7452

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

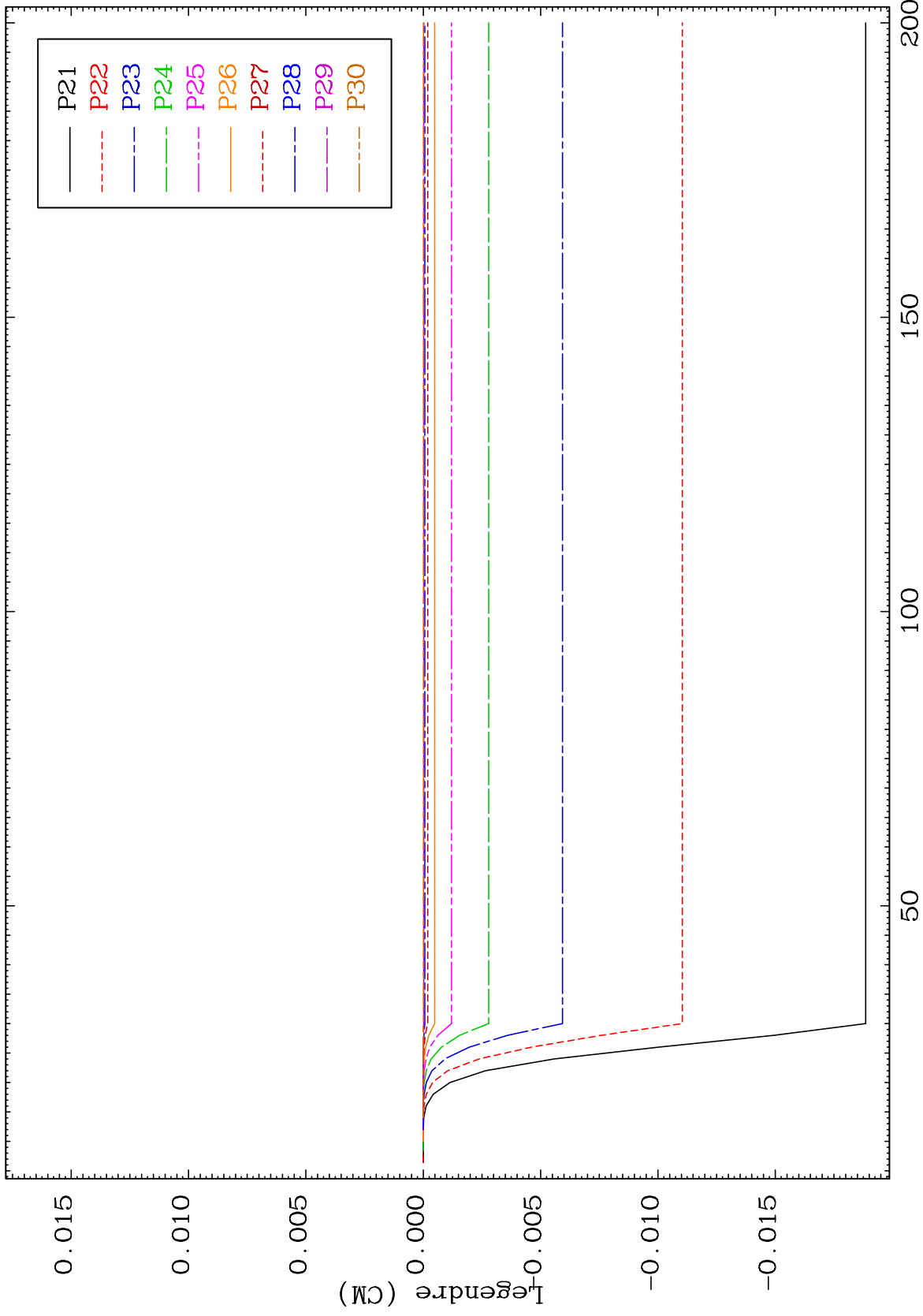
74-W -189

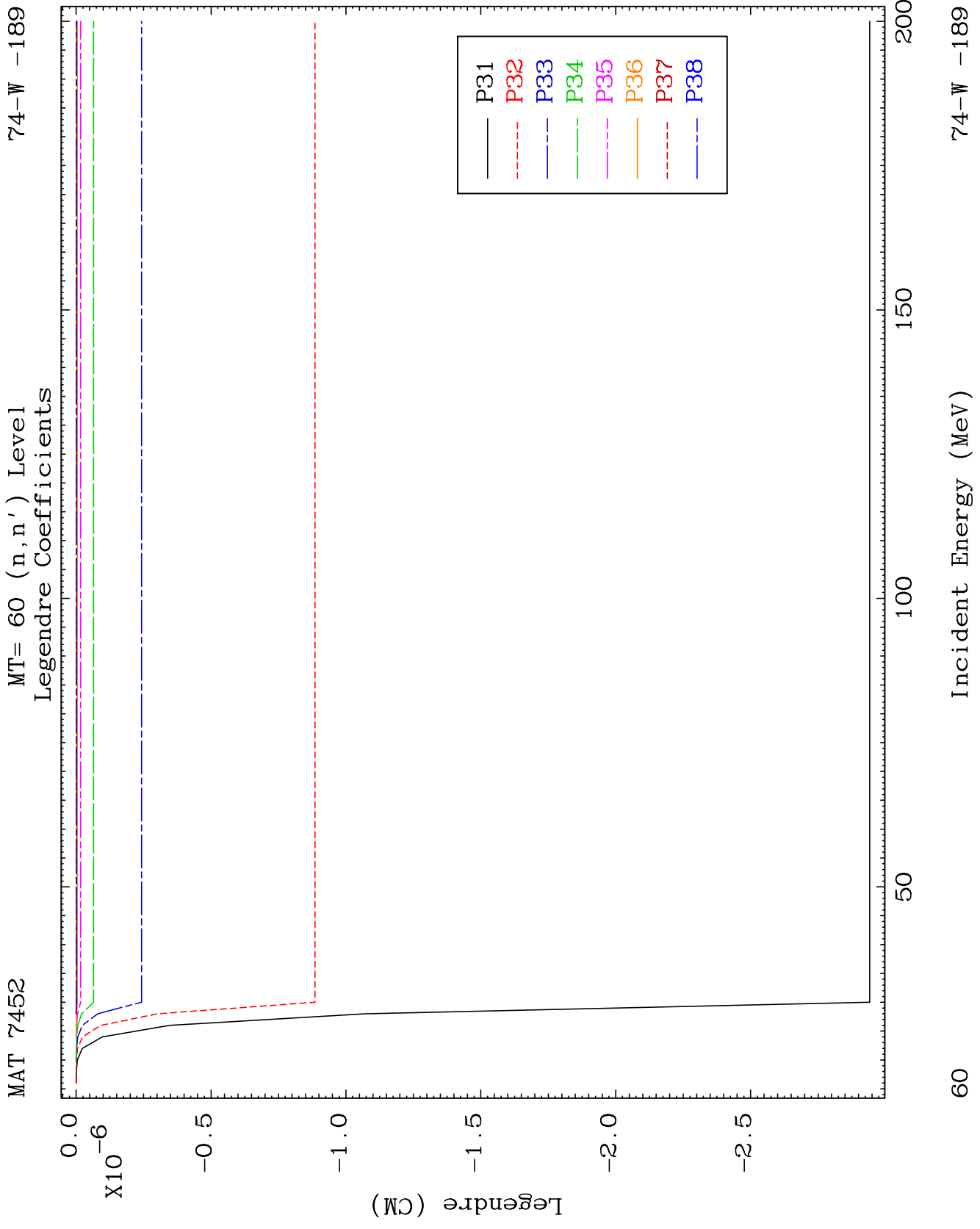


58

Incident Energy (MeV)

74-W -189

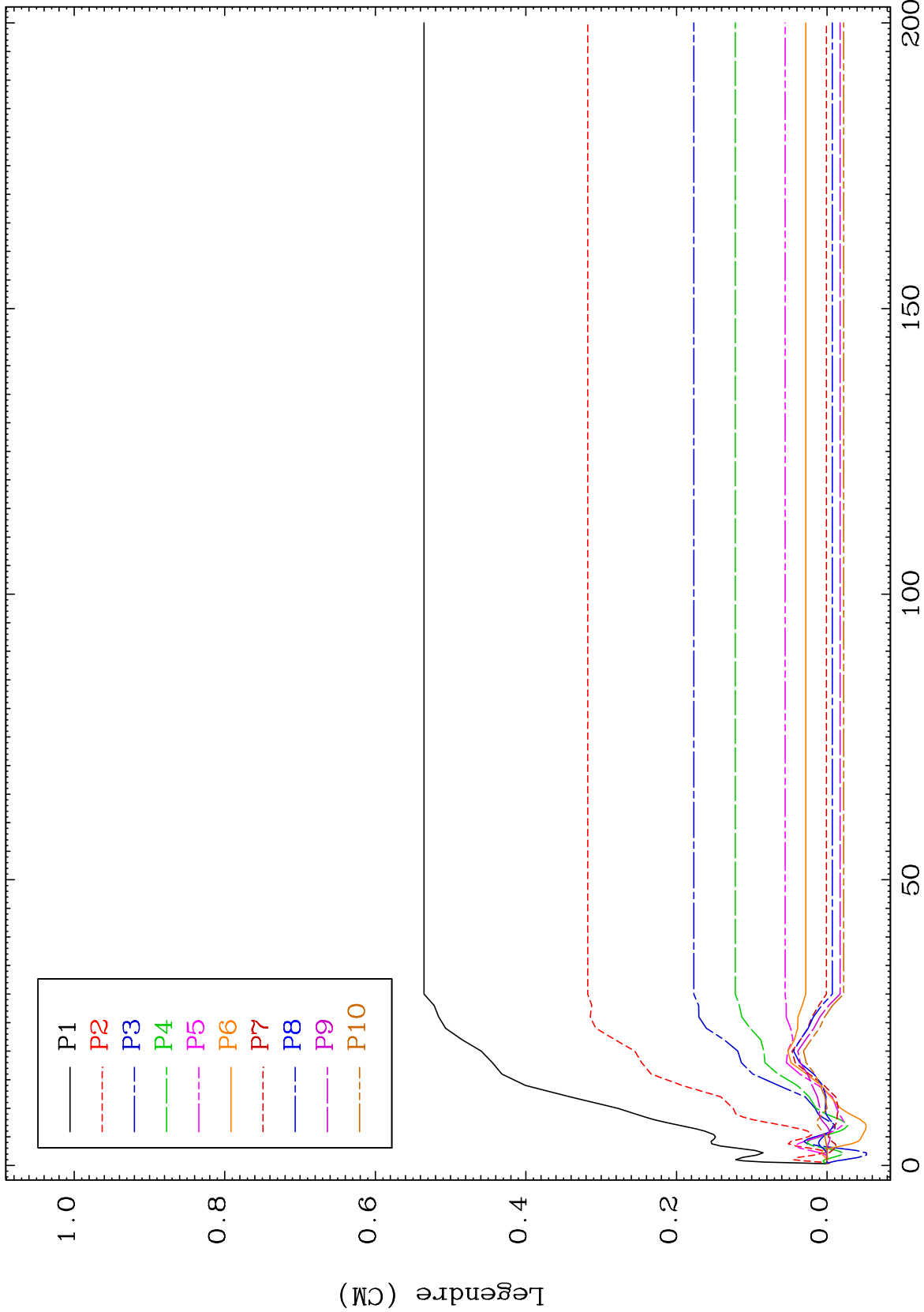




MAT 7452

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

74-W -189



61

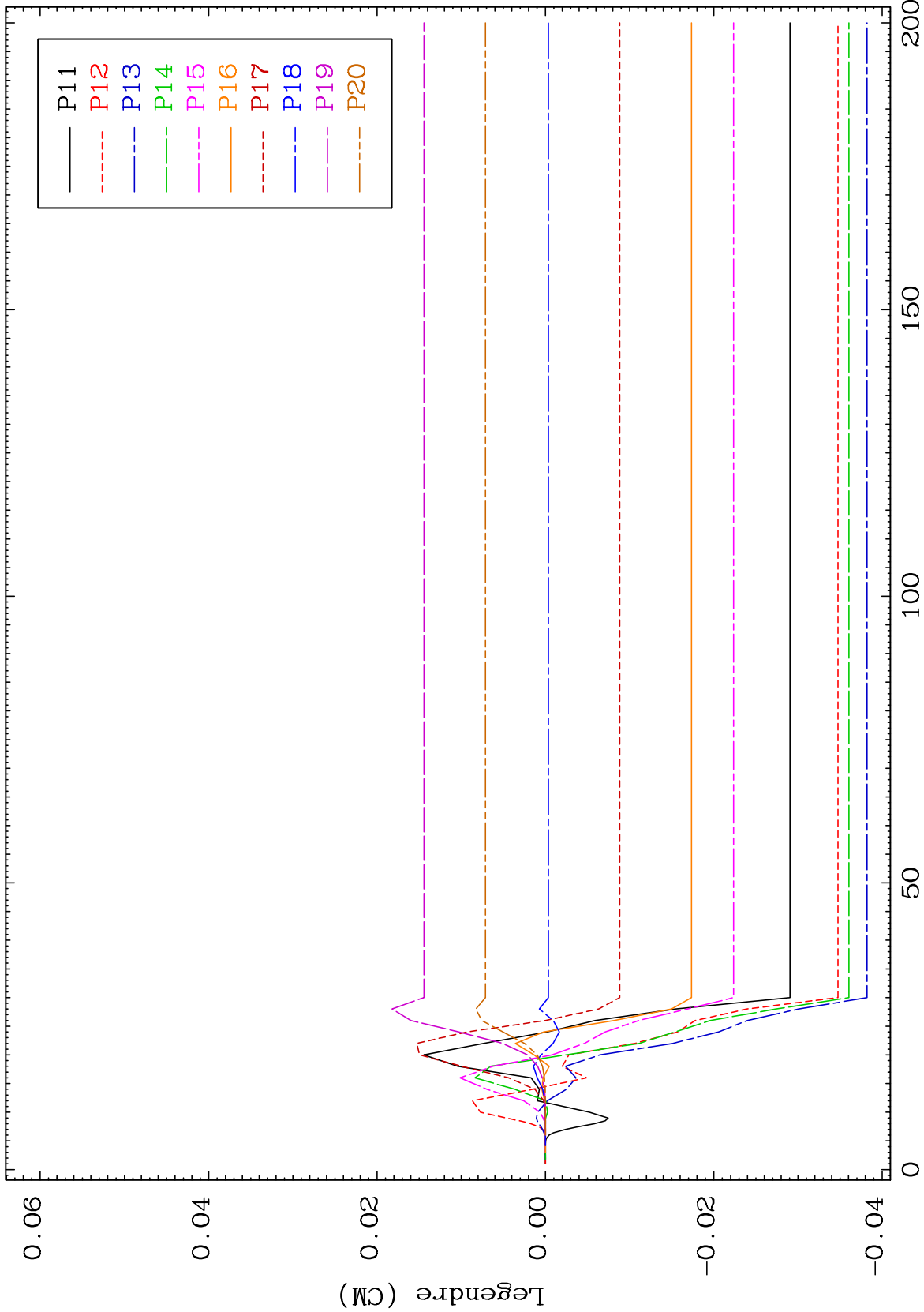
Incident Energy (MeV)

74-W -189

MAT 7452

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

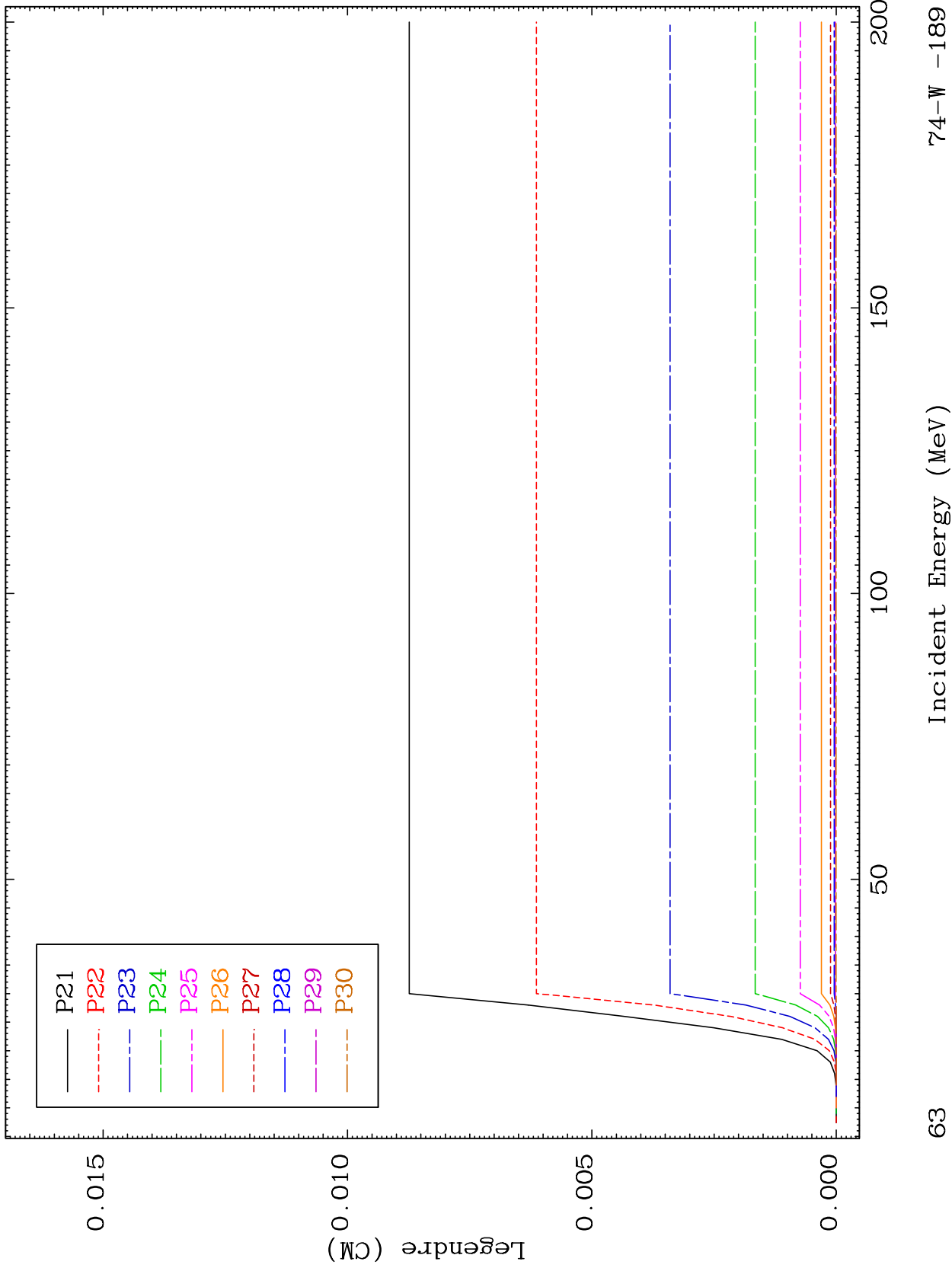
74-W -189



62

Incident Energy (MeV)

74-W -189

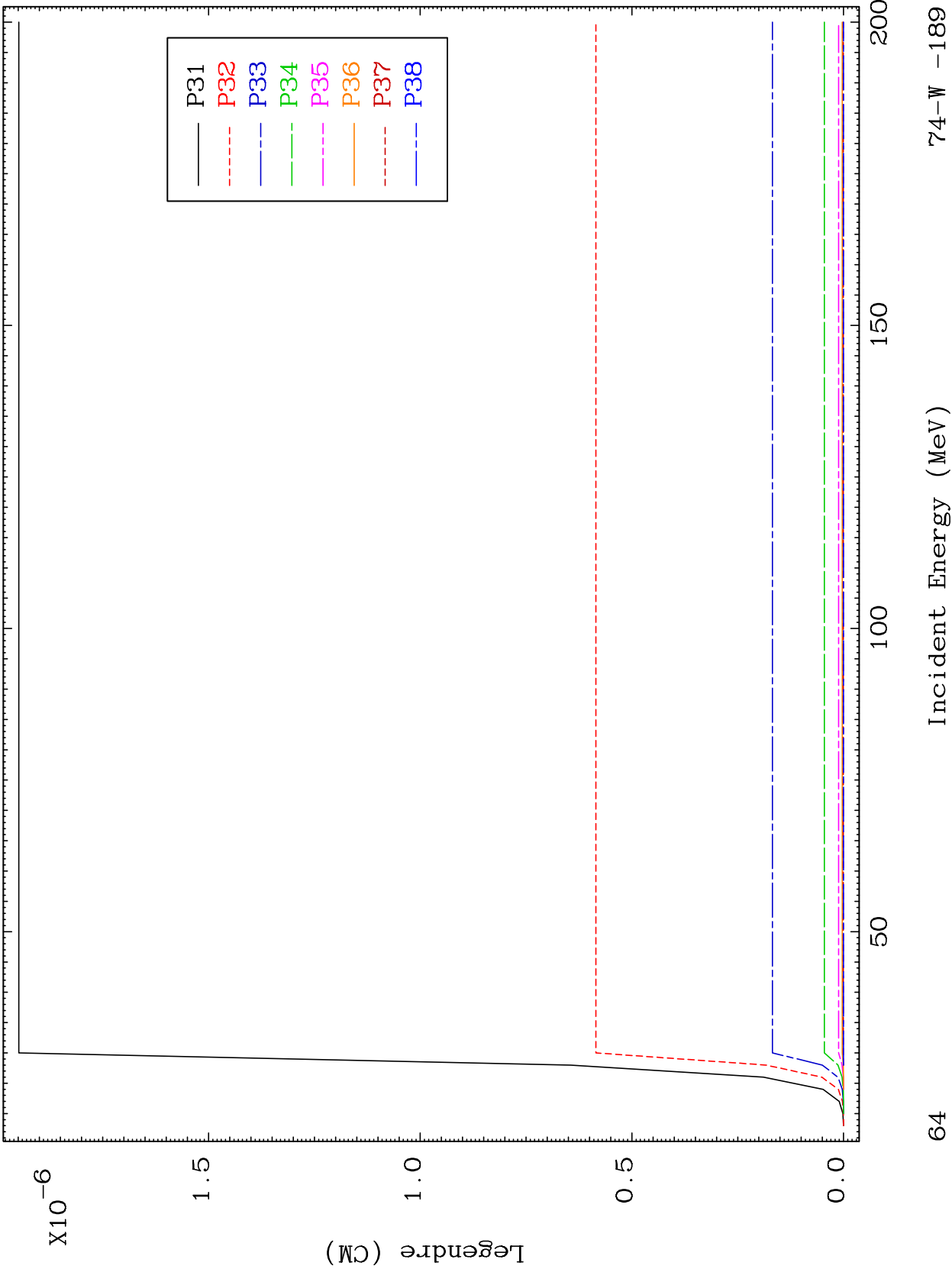




MAT 7452

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

74-W -189



64

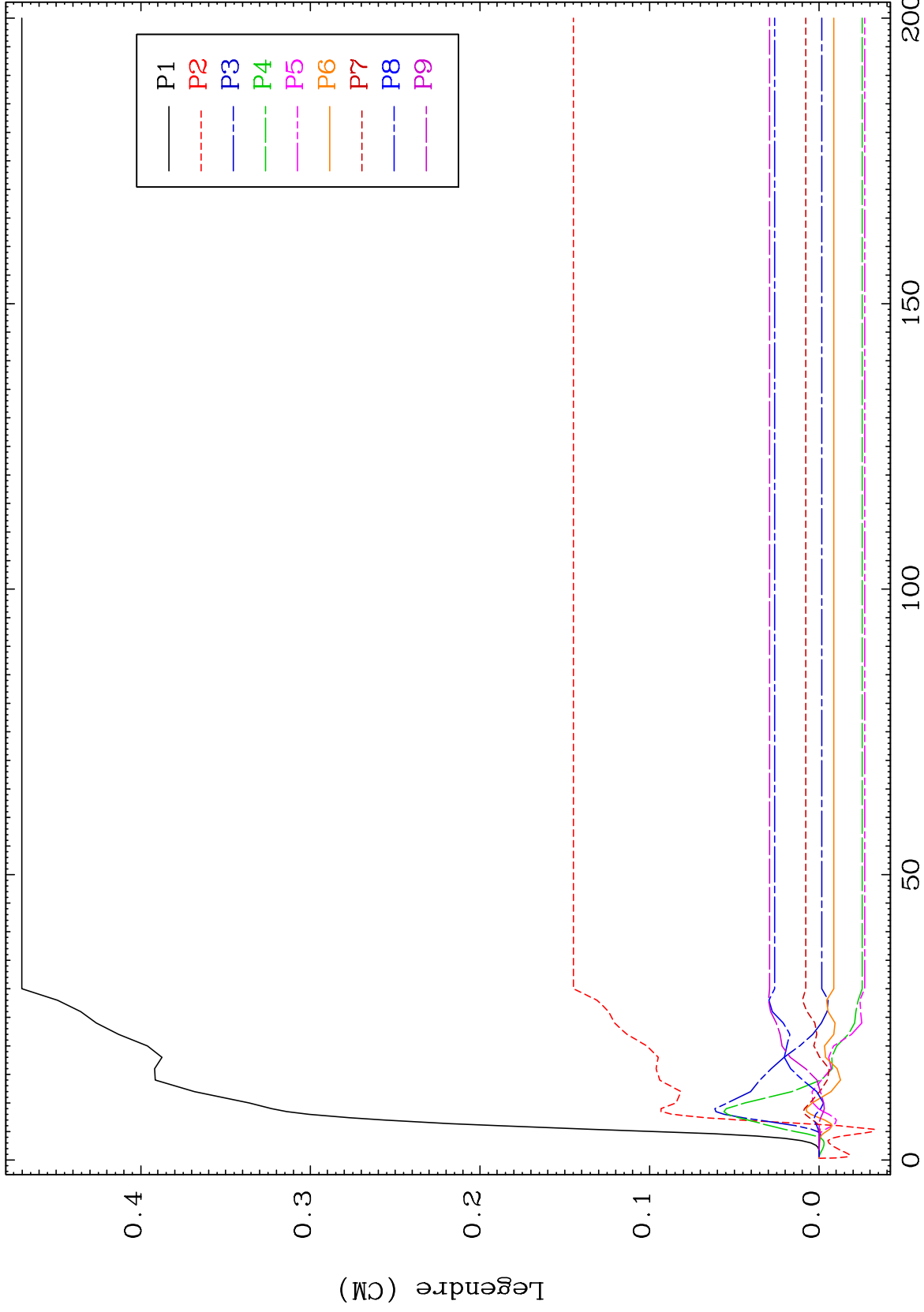
Incident Energy (MeV)

74-W -189

MAT 7452

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

74-W -189



65

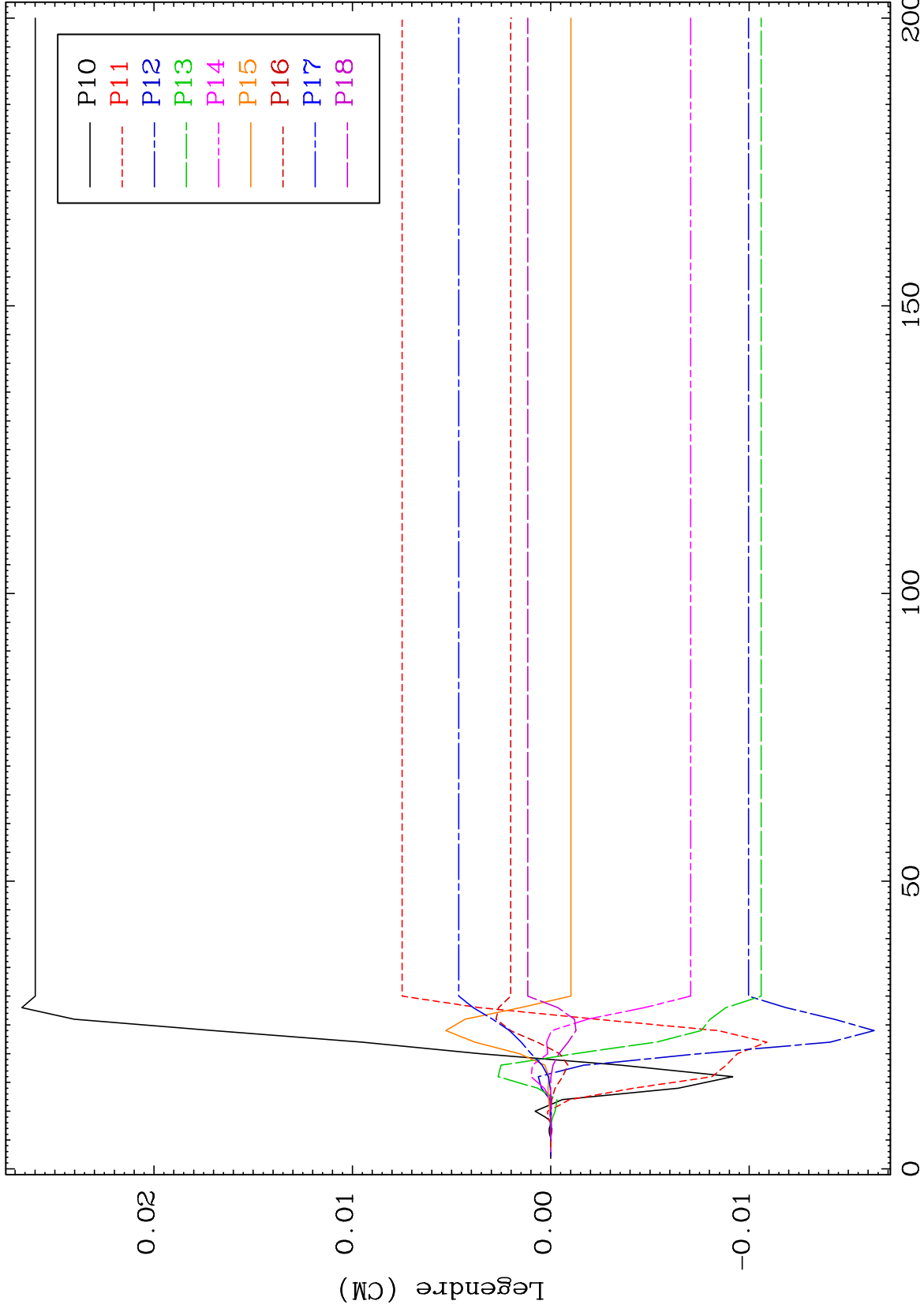
Incident Energy (MeV)

74-W -189

MAT 7452

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

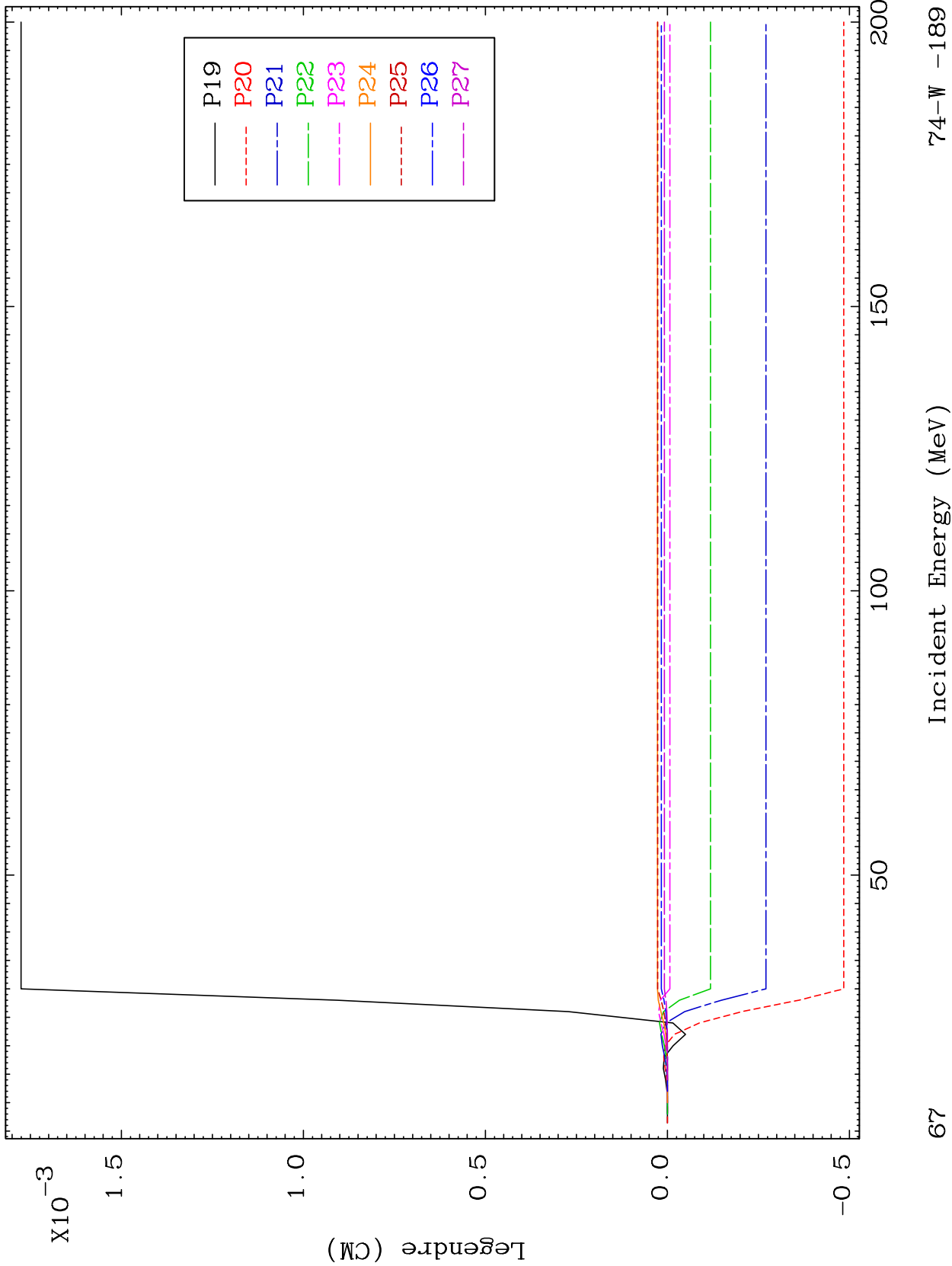
74-W -189



66

Incident Energy (MeV)

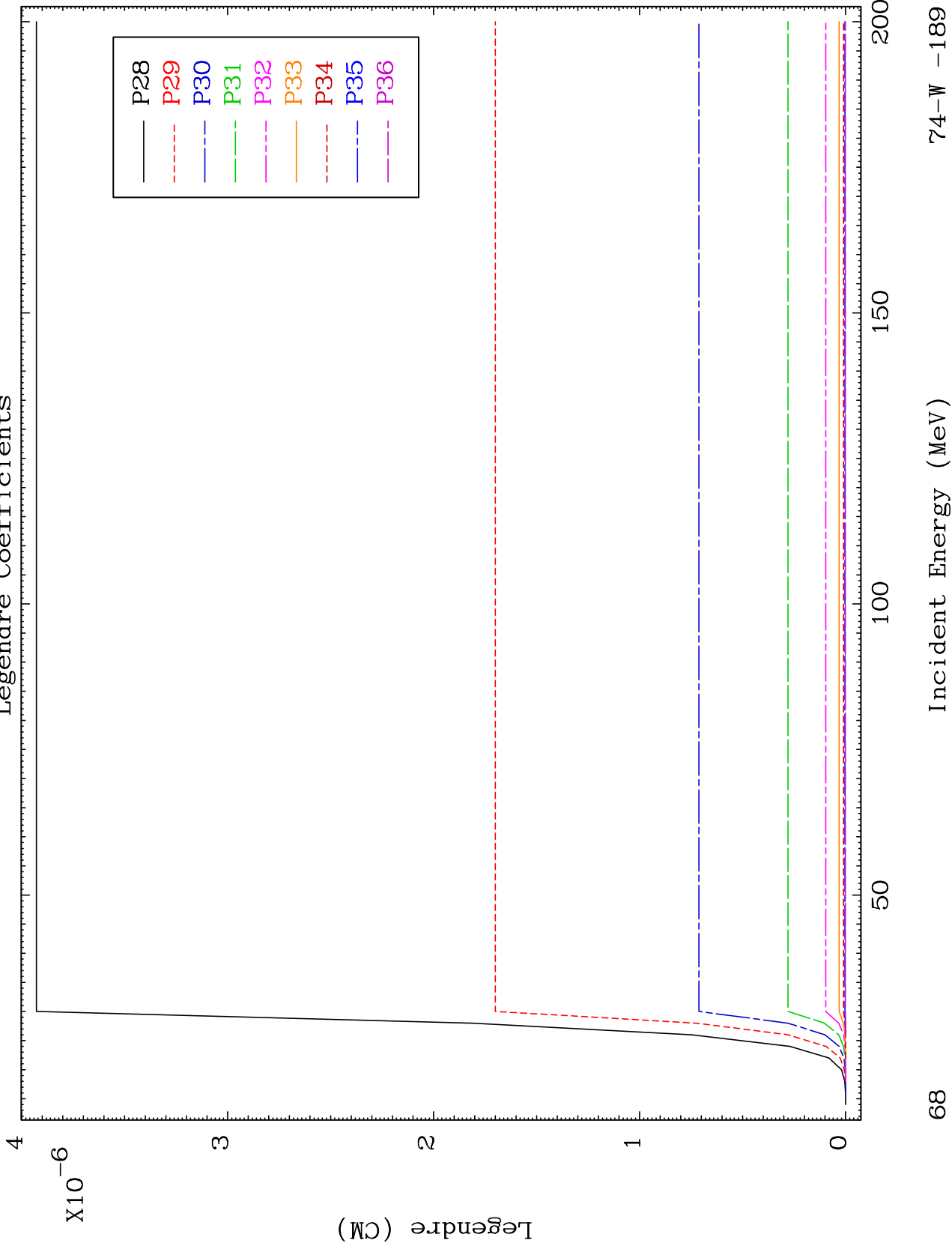
74-W -189



MAT 7452

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

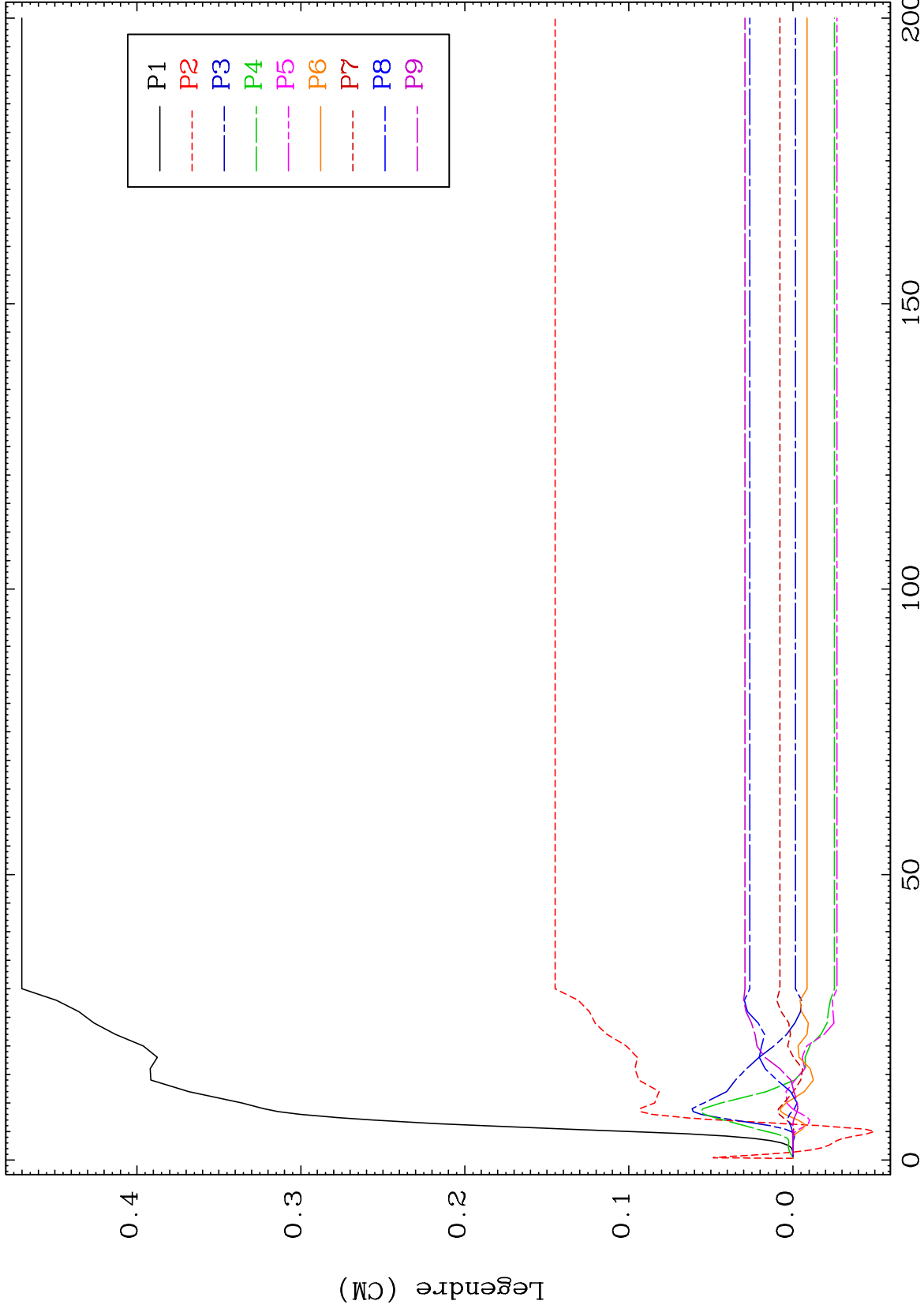
74-W -189



68

Incident Energy (MeV)

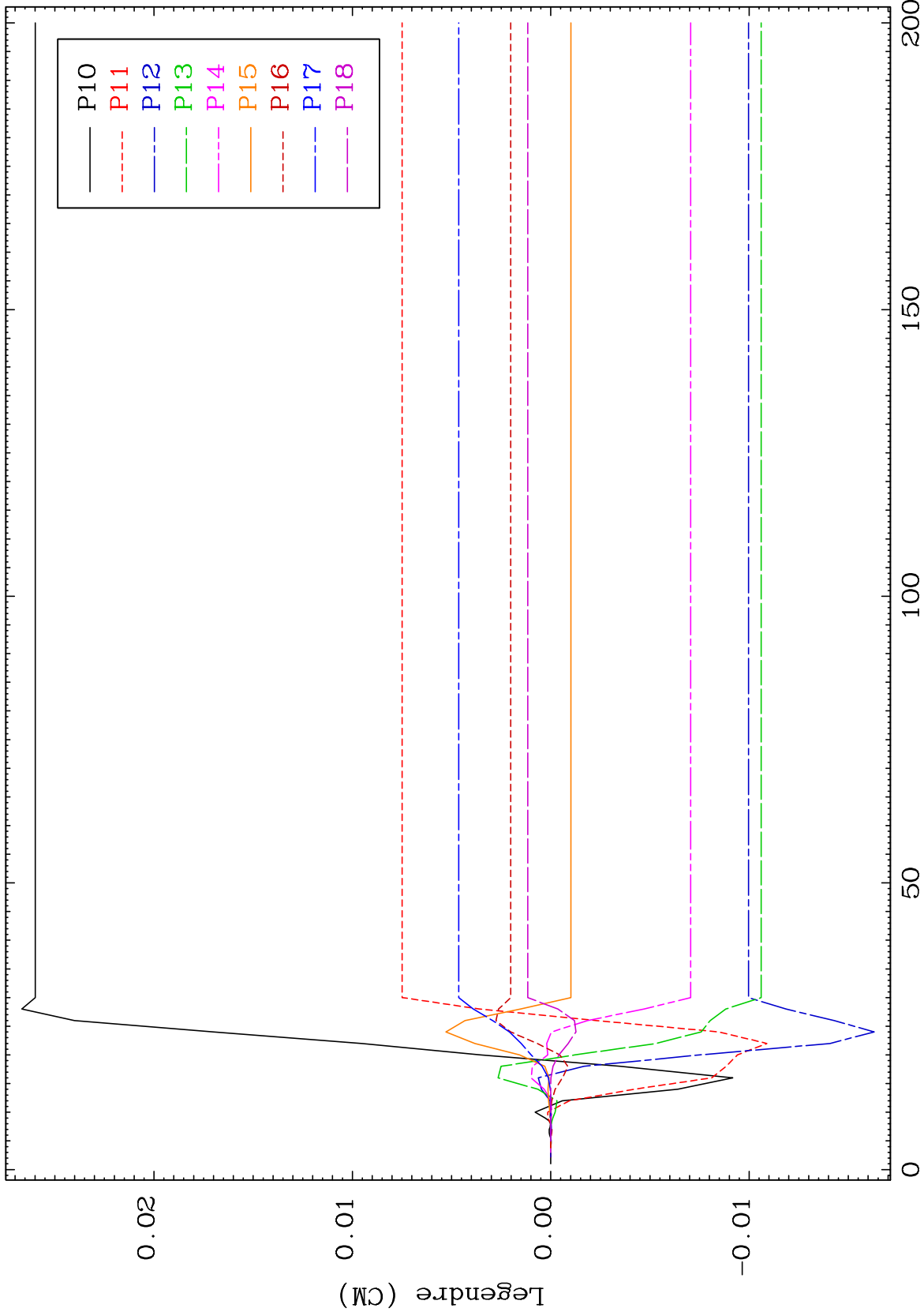
74-W -189



MAT 7452

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

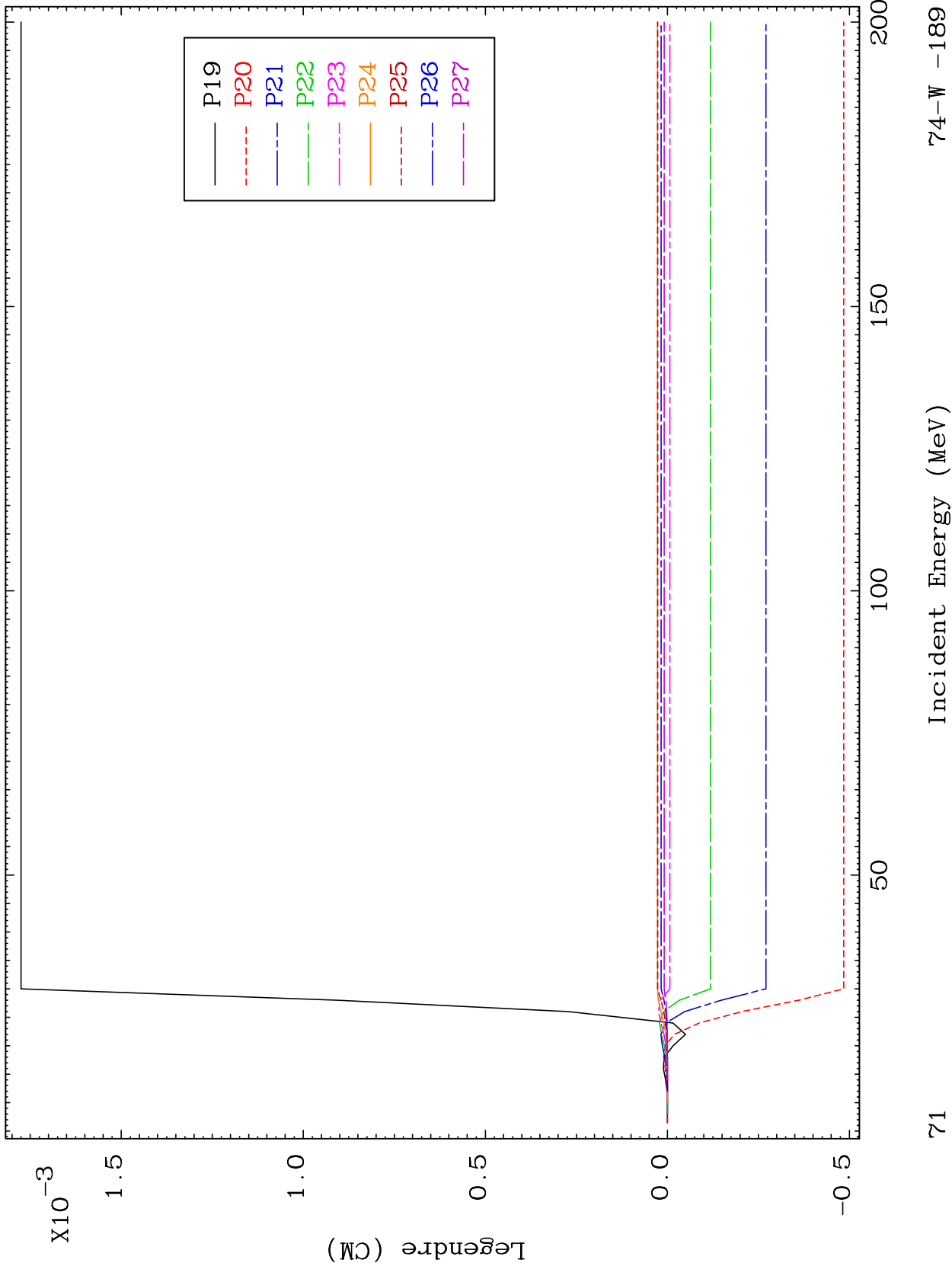
74-W -189



70

Incident Energy (MeV)

74-W -189

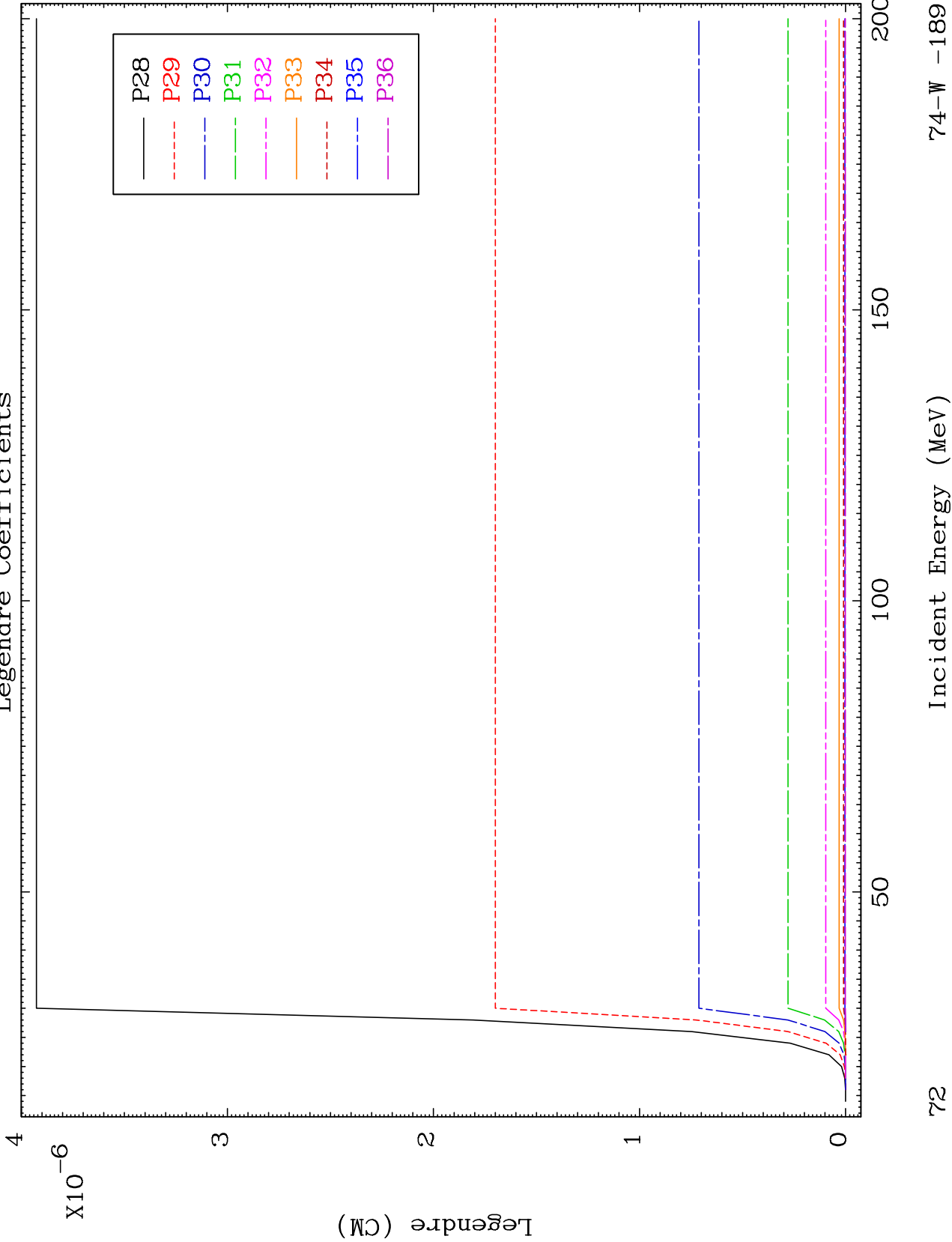




MAT 7452

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

74-W -189



72

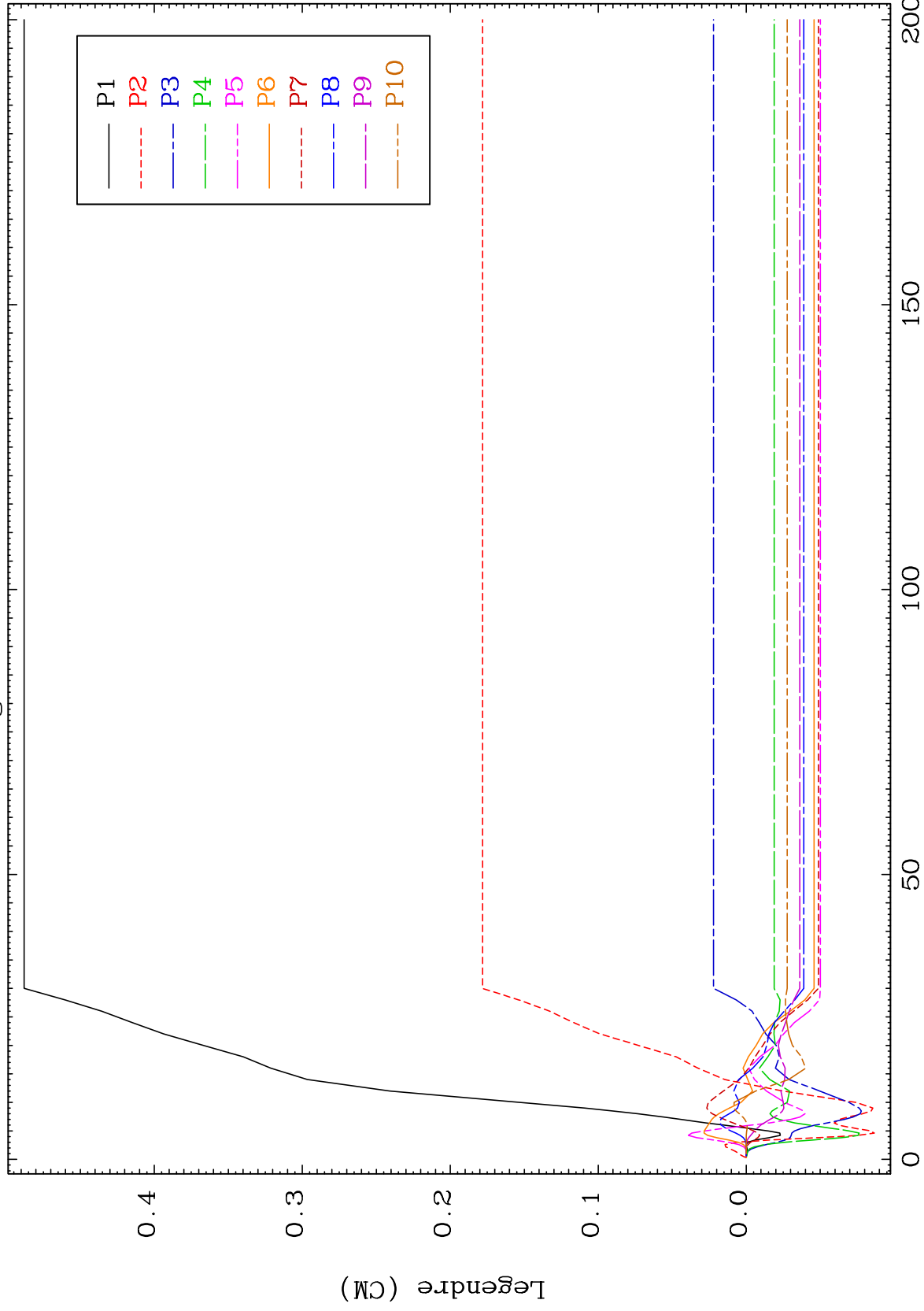
Incident Energy (MeV)

74-W -189

MAT 7452

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

74-W -189



74-W -189

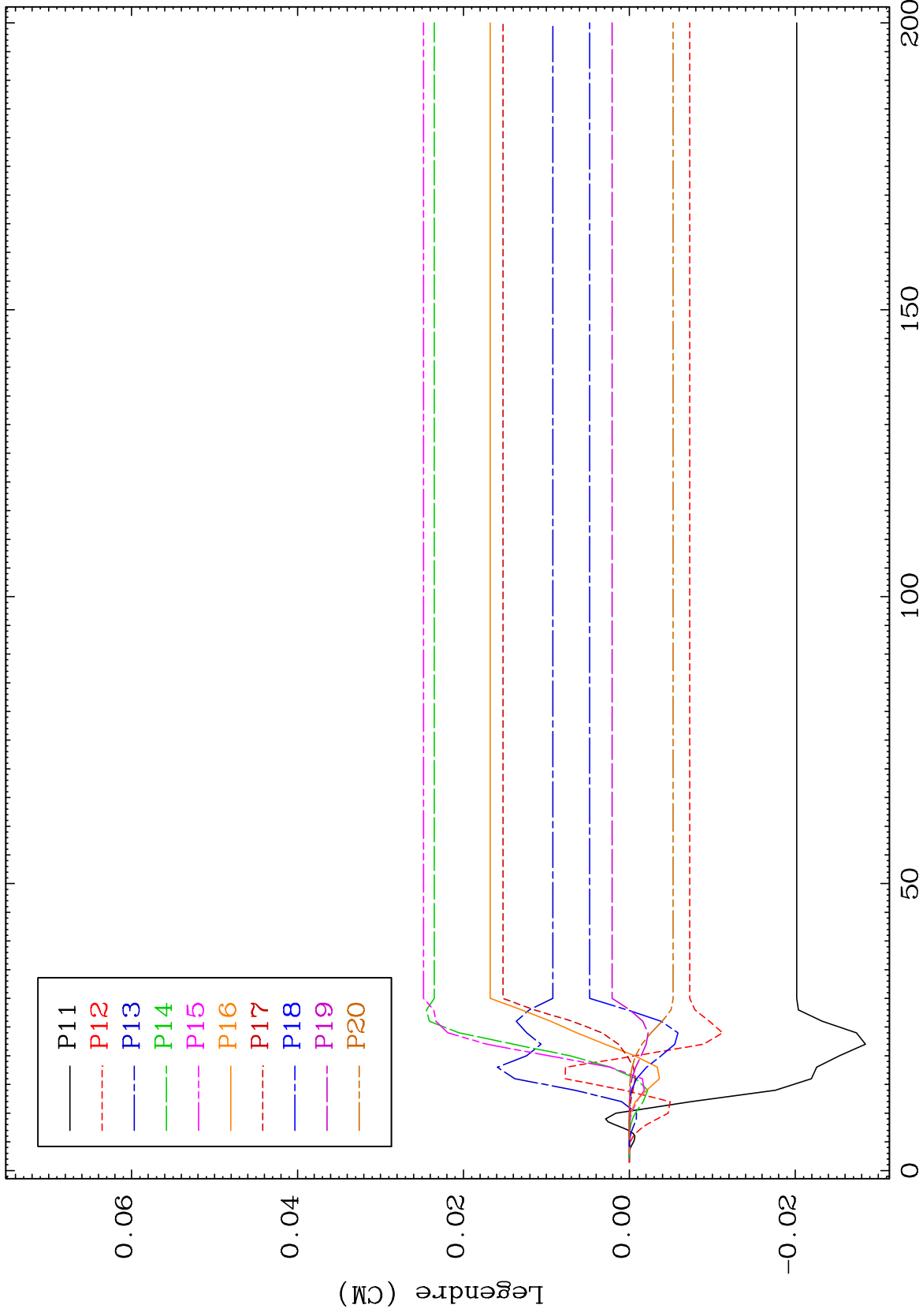
Incident Energy (MeV)

73

MAT 7452

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

74-W -189



74

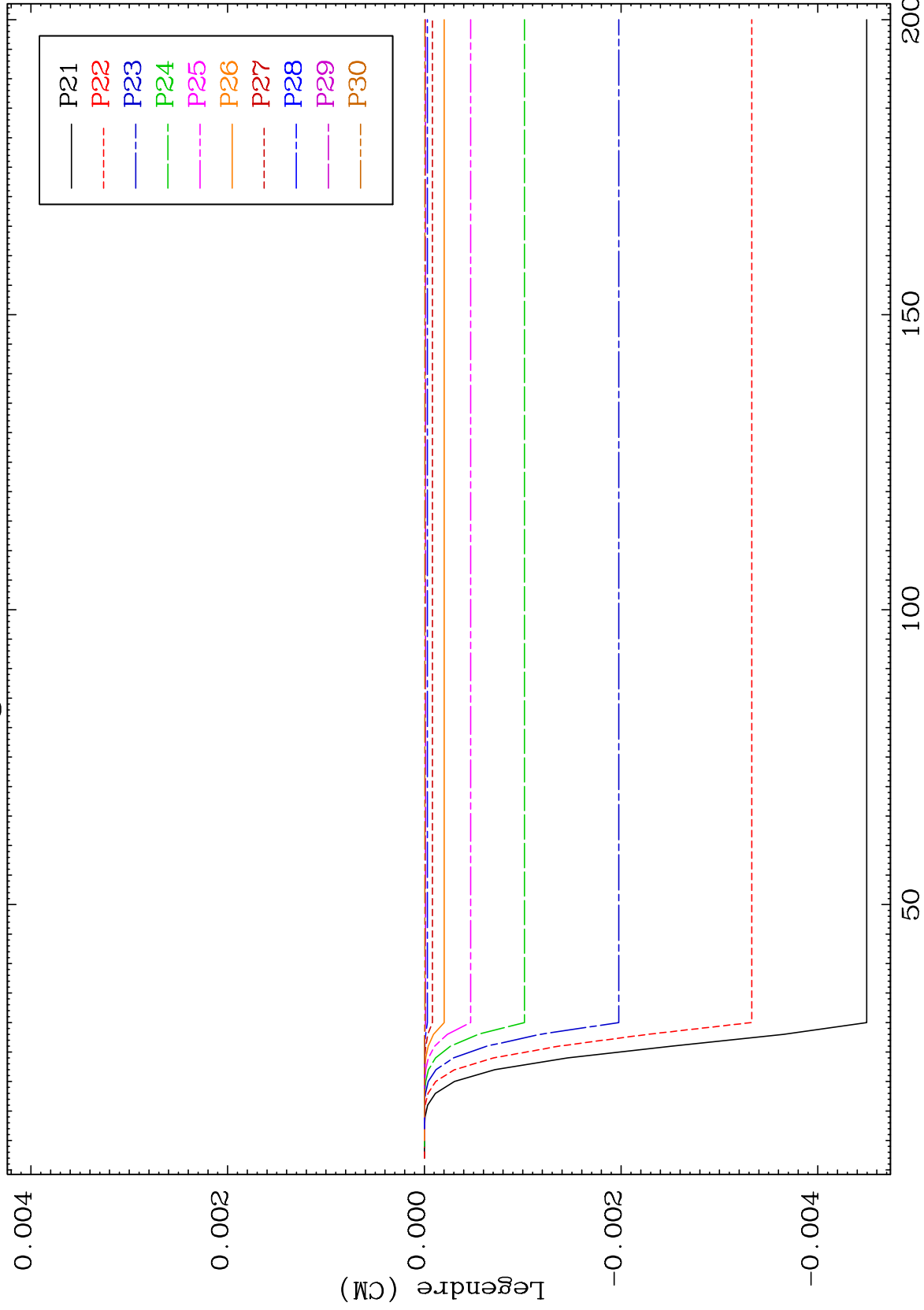
Incident Energy (MeV)

74-W -189

MAT 7452

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

74-W -189



75

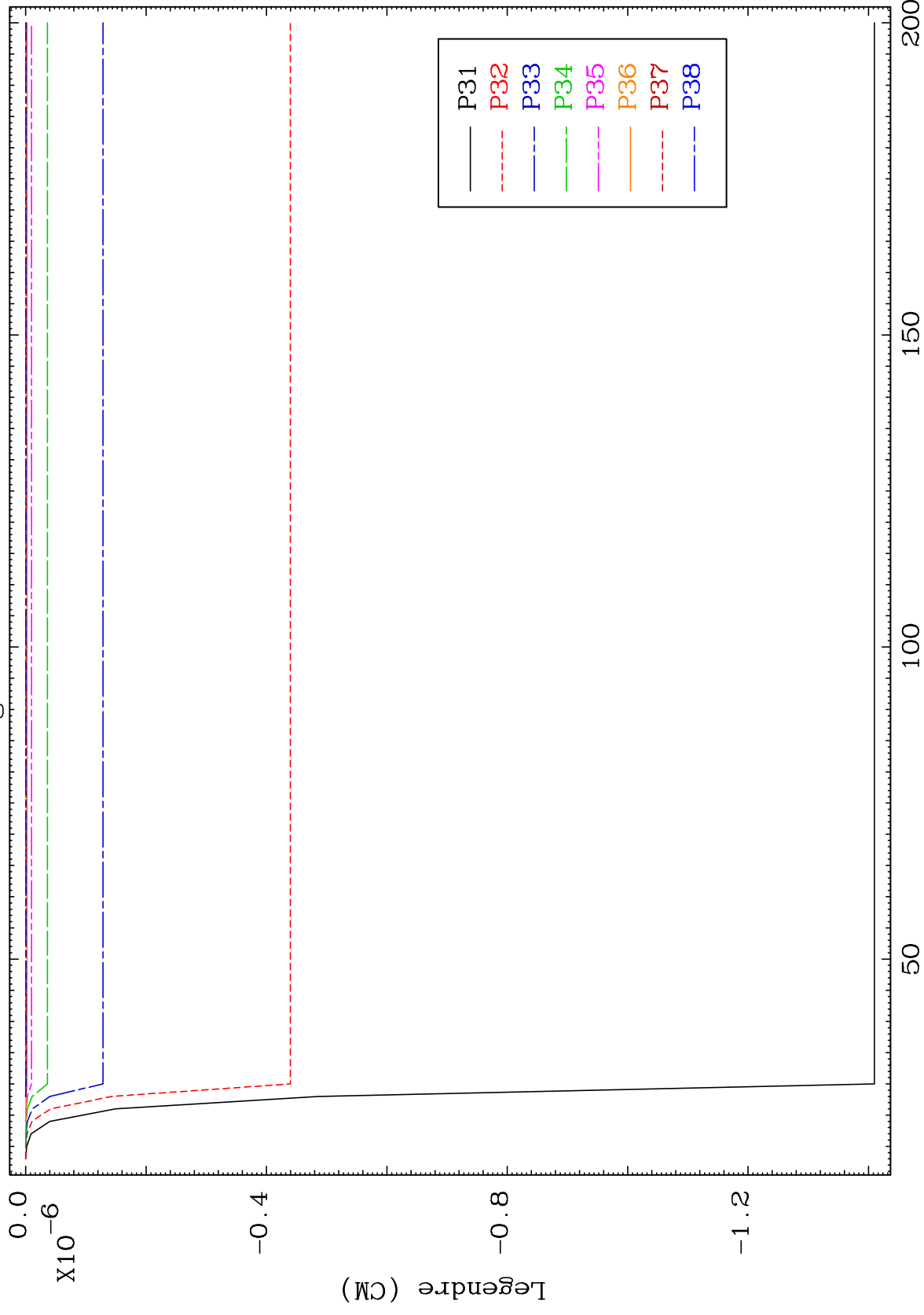
Incident Energy (MeV)

74-W -189

MAT 7452

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

74-W -189



76

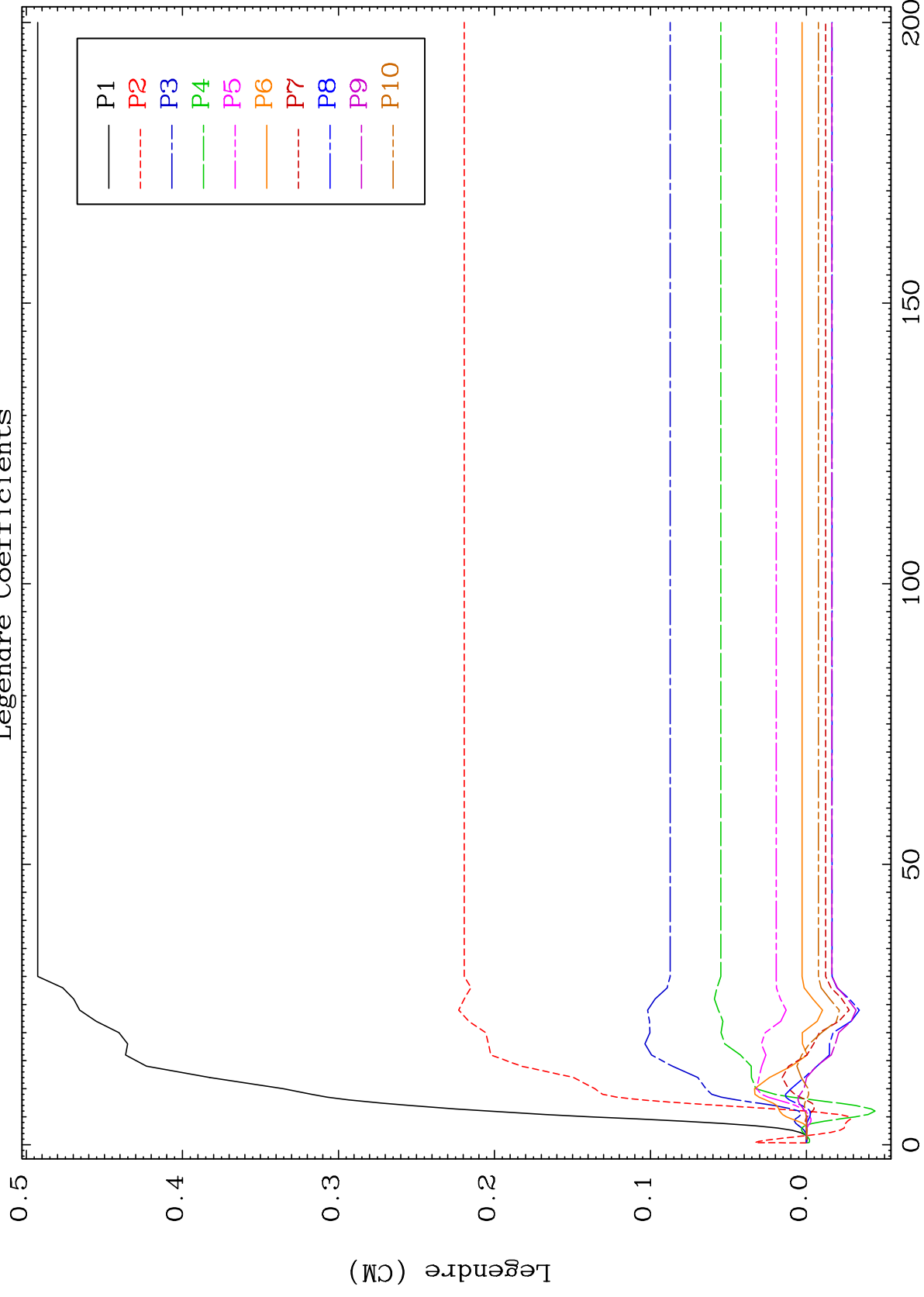
Incident Energy (MeV)

74-W -189

MAT 7452

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

74-W -189



74-W -189

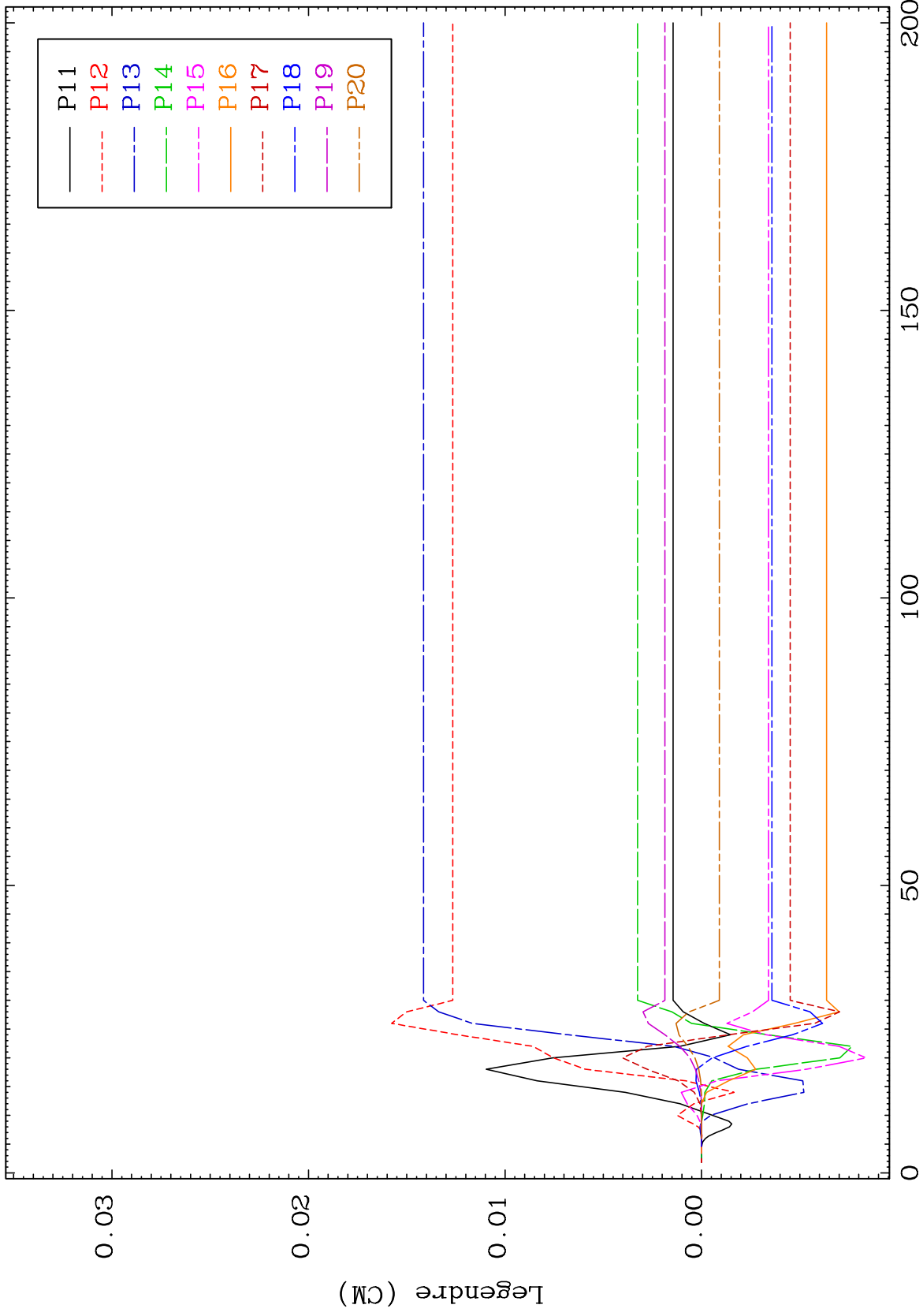
Incident Energy (MeV)

77

MAT 7452

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

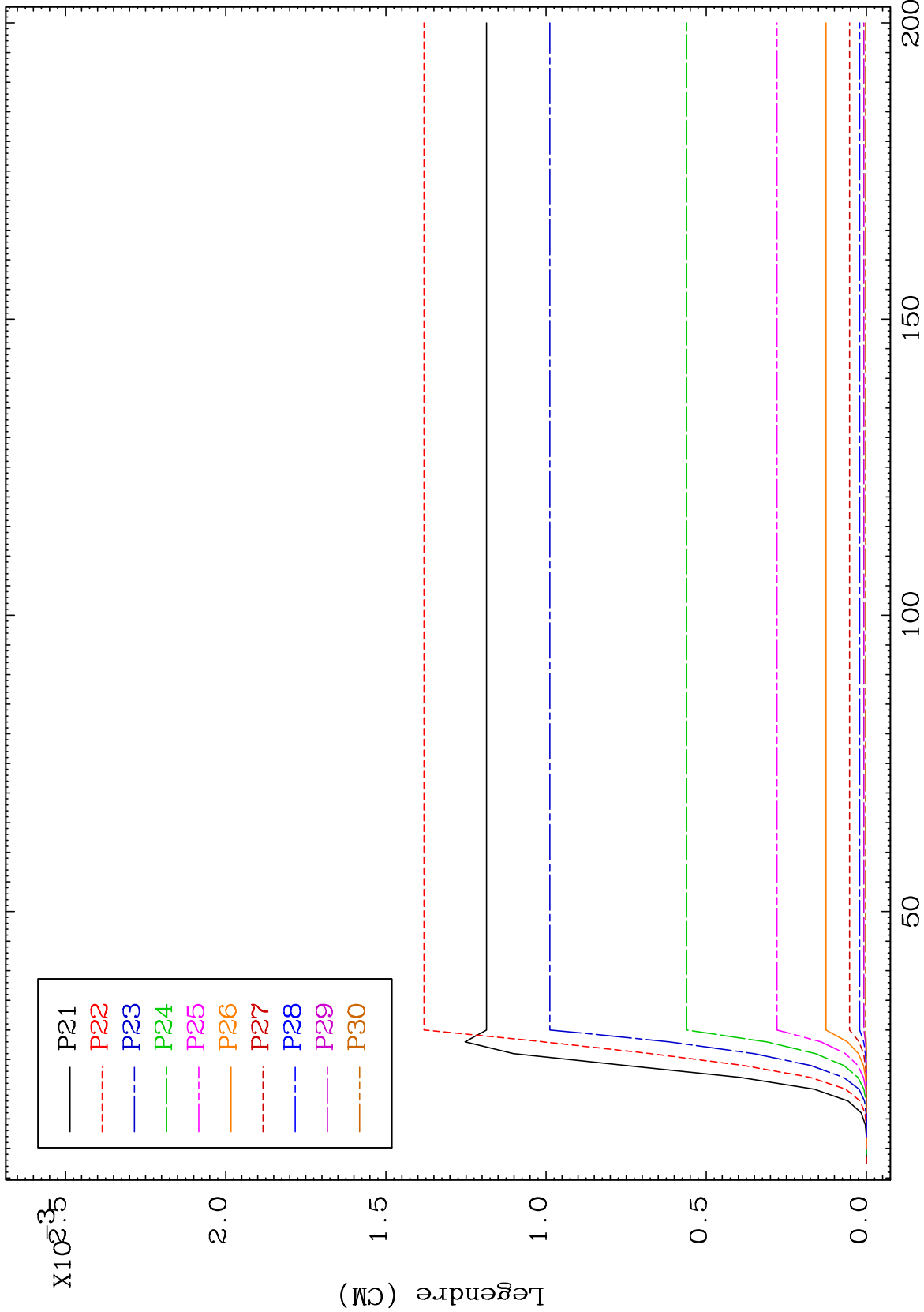
74-W -189



78

Incident Energy (MeV)

74-W -189

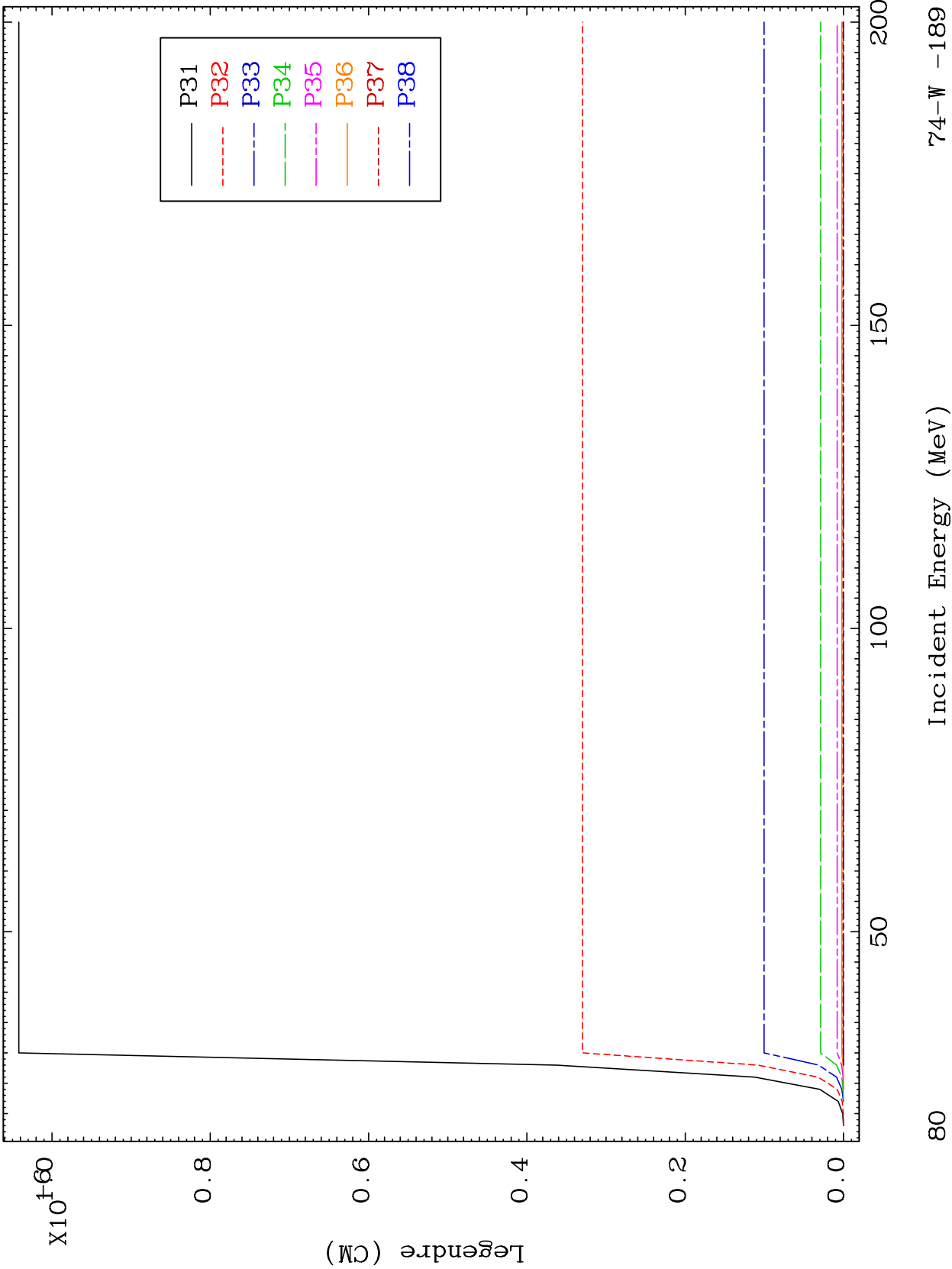




MAT 7452

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

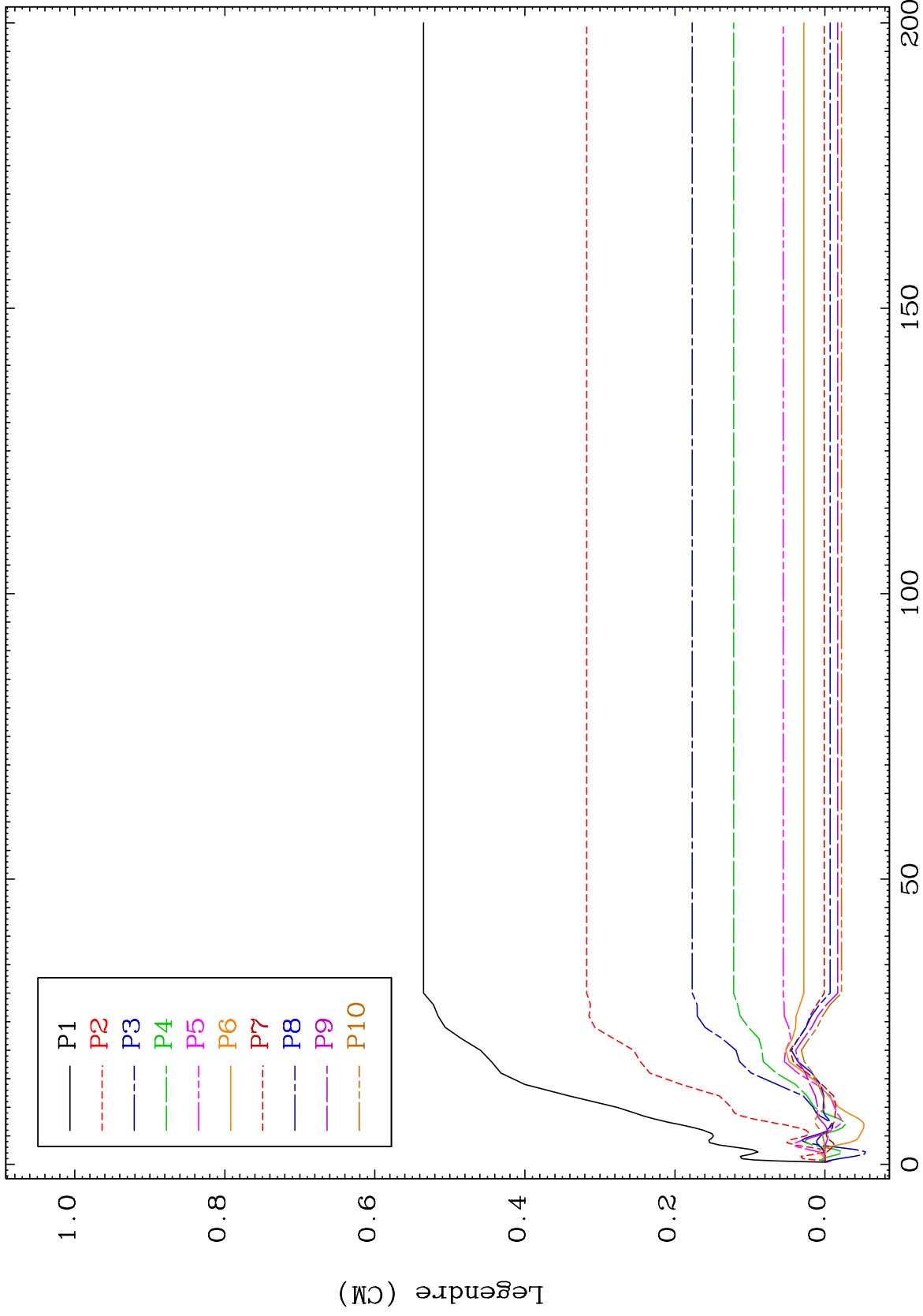
74-W -189



80

Incident Energy (MeV)

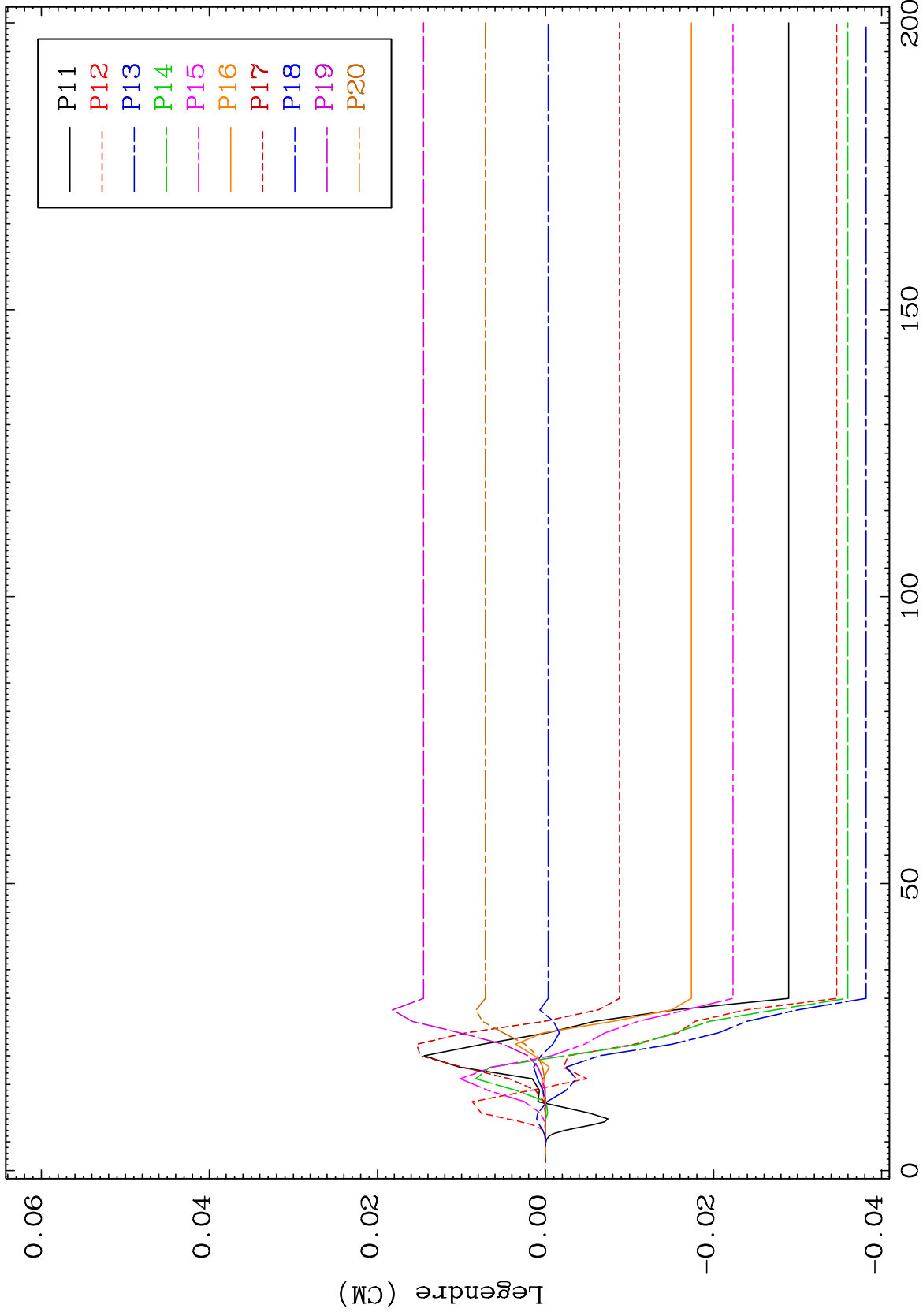
74-W -189



MAT 7452

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

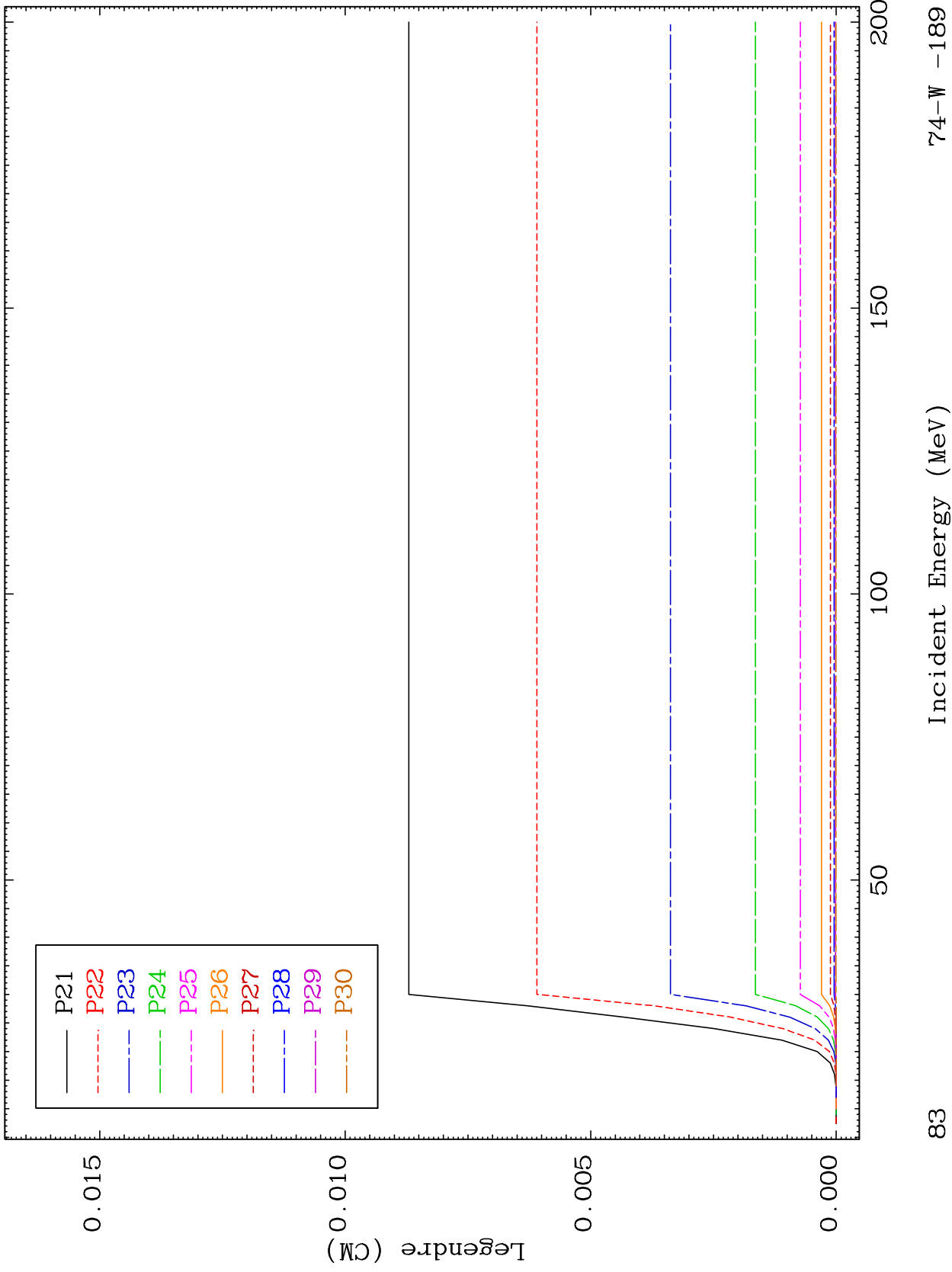
74-W -189

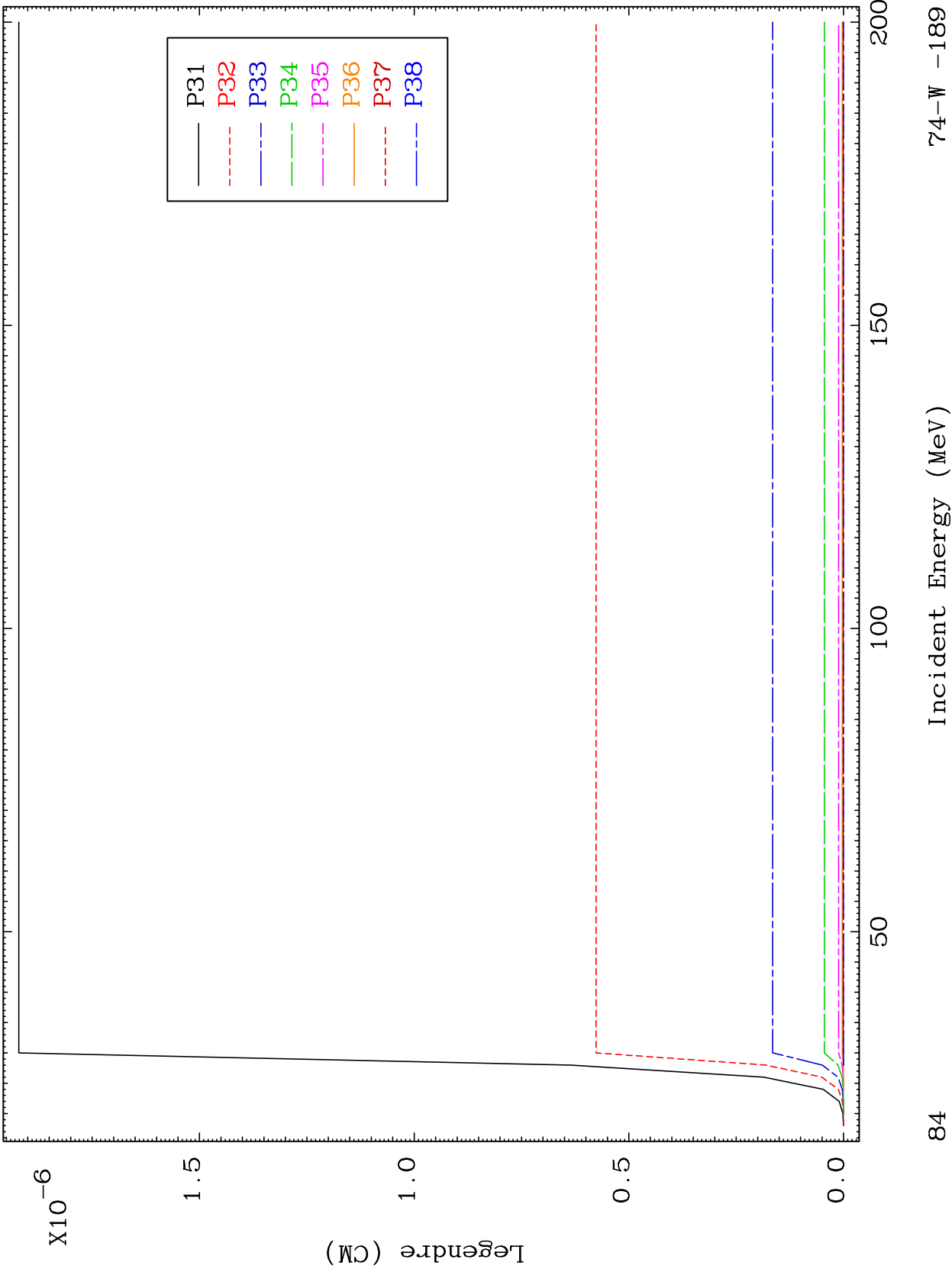


82

Incident Energy (MeV)

74-W -189

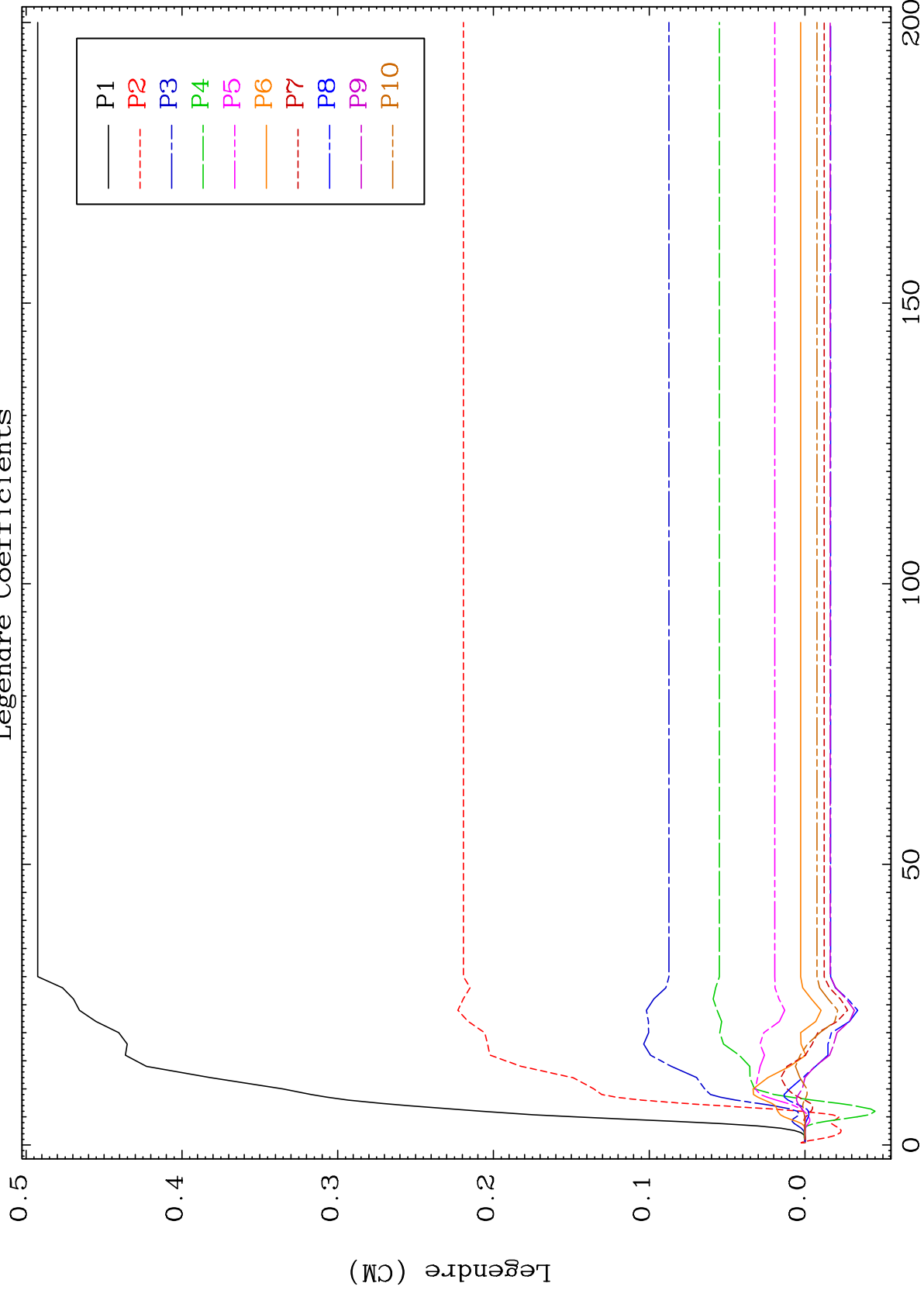




MAT 7452

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

74-W -189



85

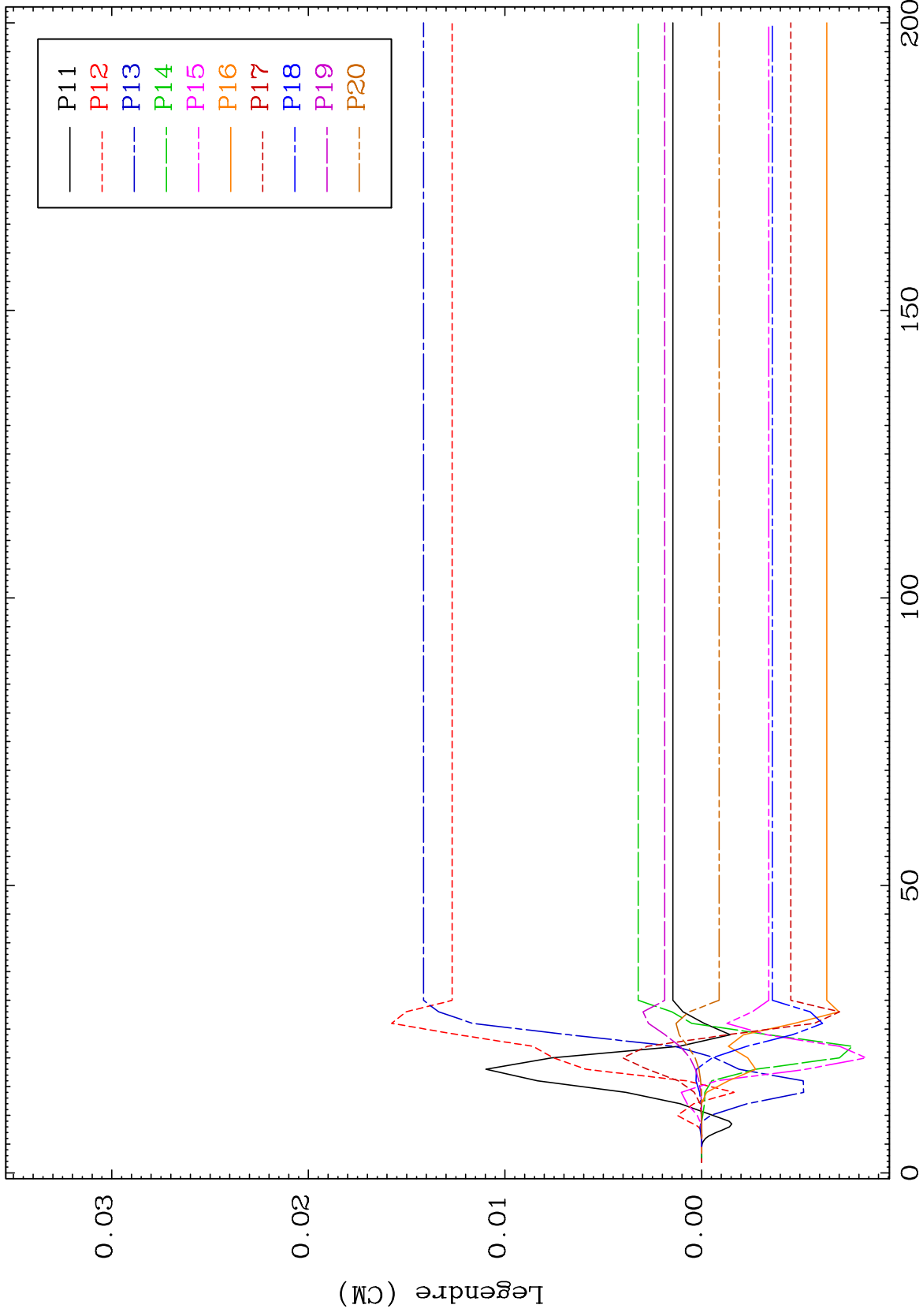
Incident Energy (MeV)

74-W -189

MAT 7452

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

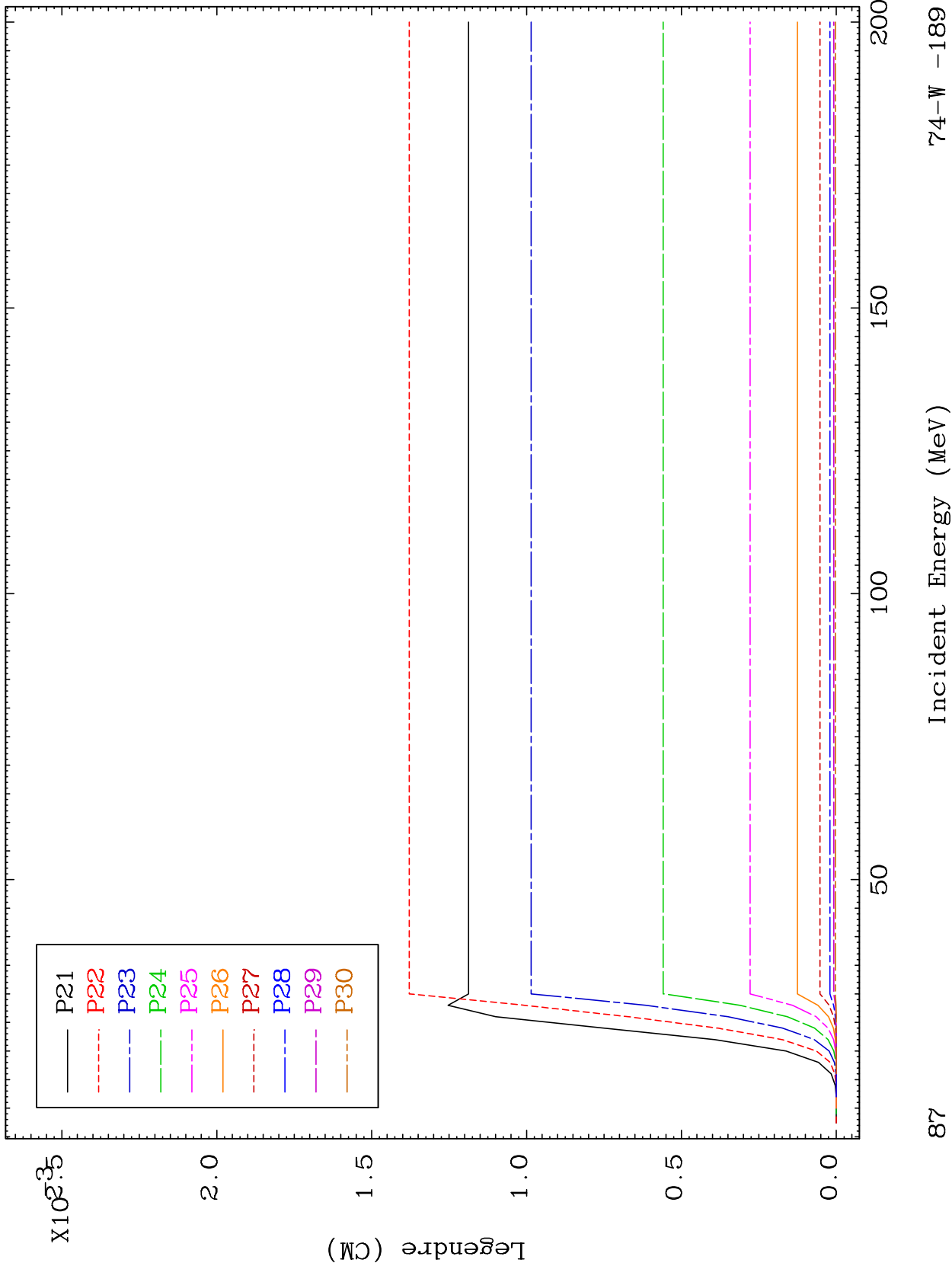
74-W -189



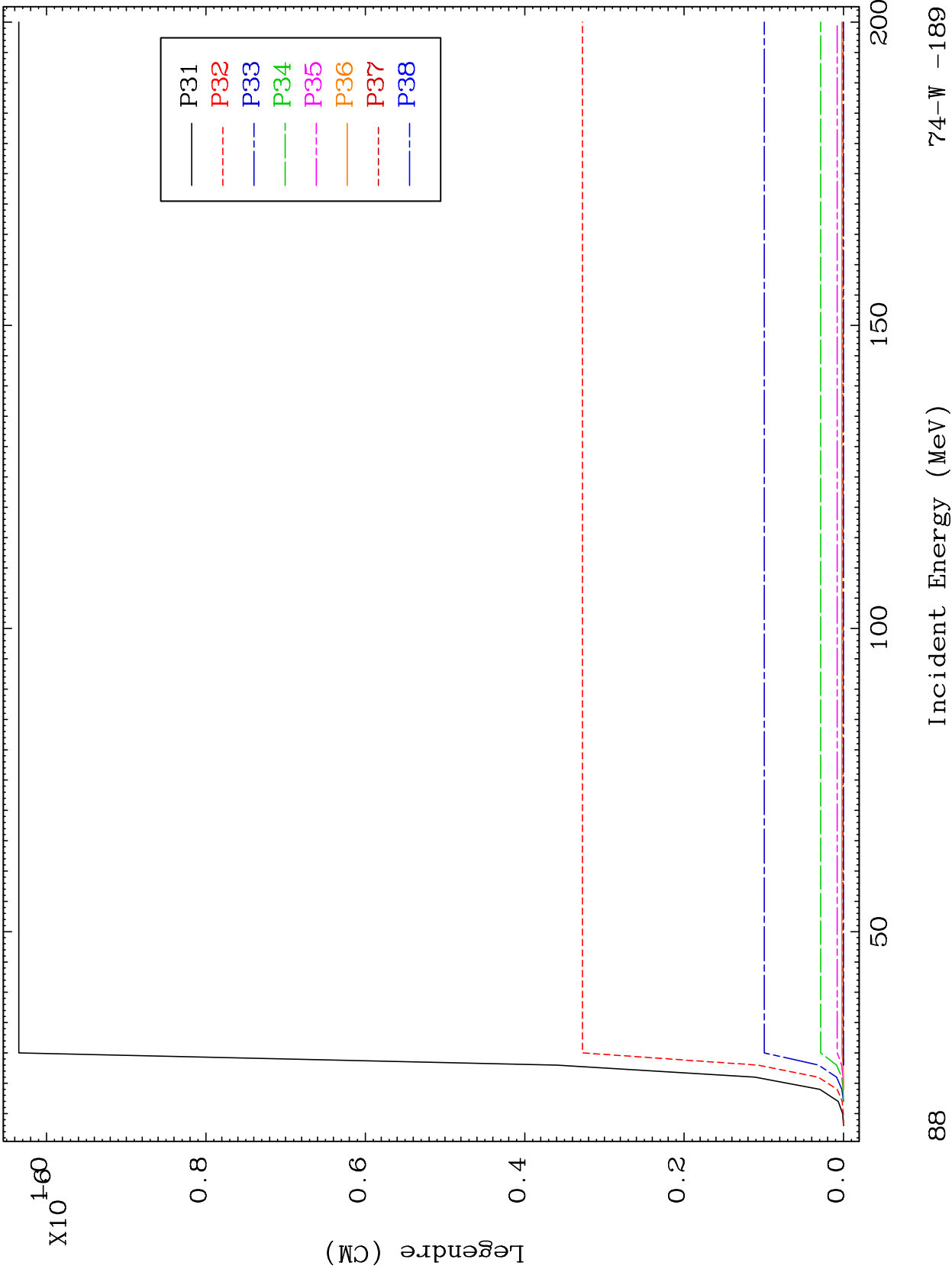
86

Incident Energy (MeV)

74-W -189



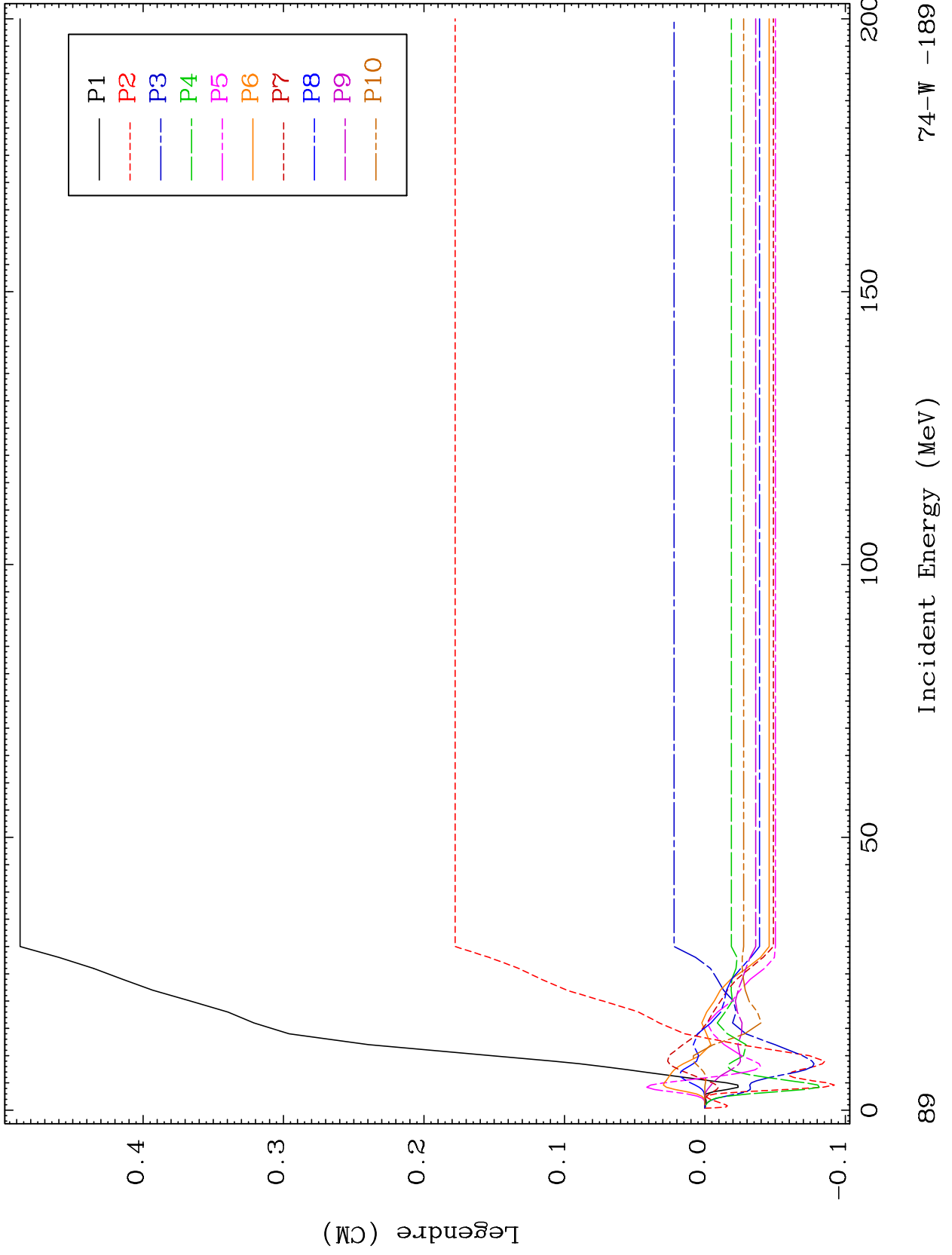




MAT 7452

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

74-W -189



74-W -189

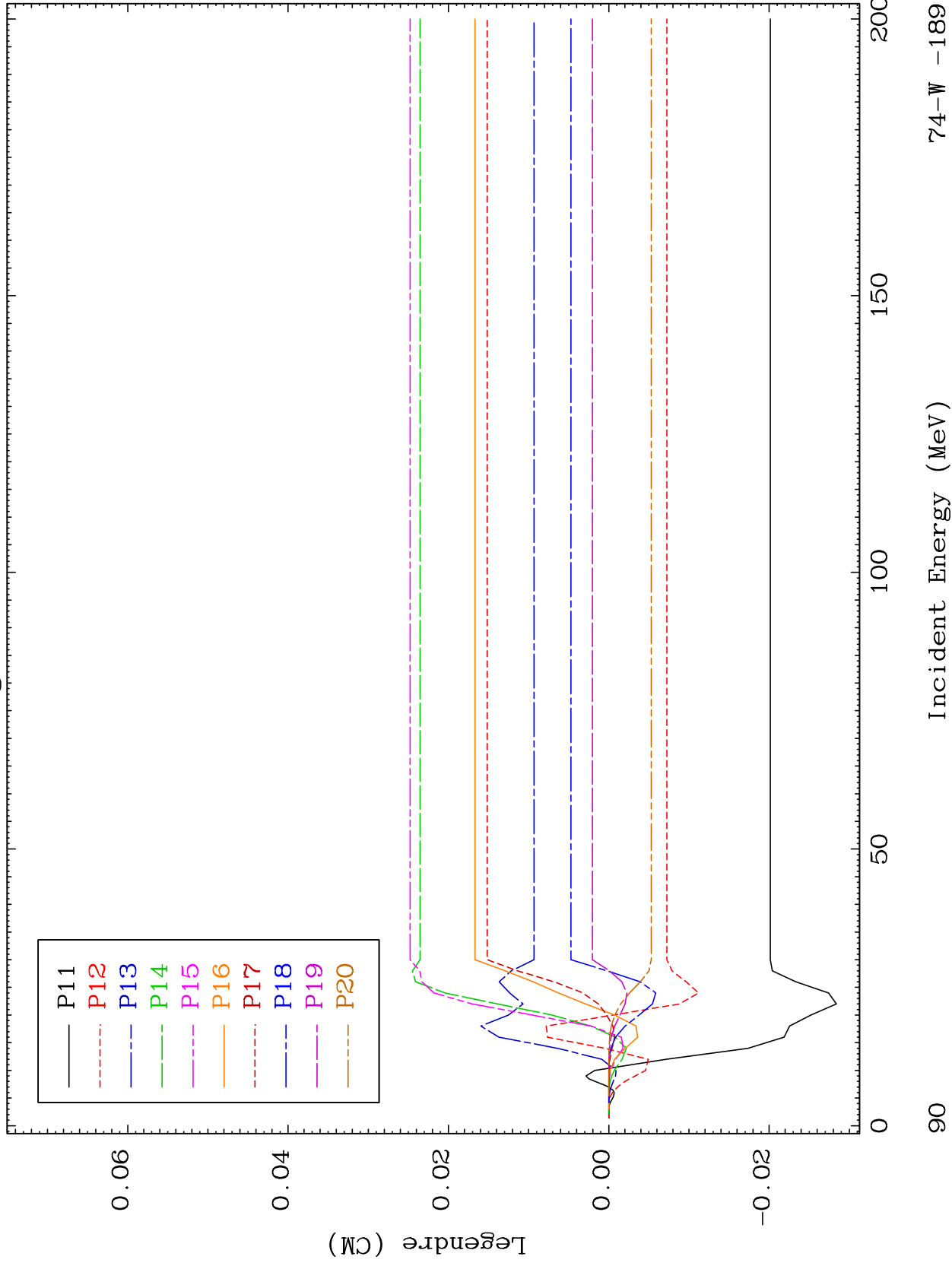
Incident Energy (MeV)

89

MAT 7452

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

74-W -189

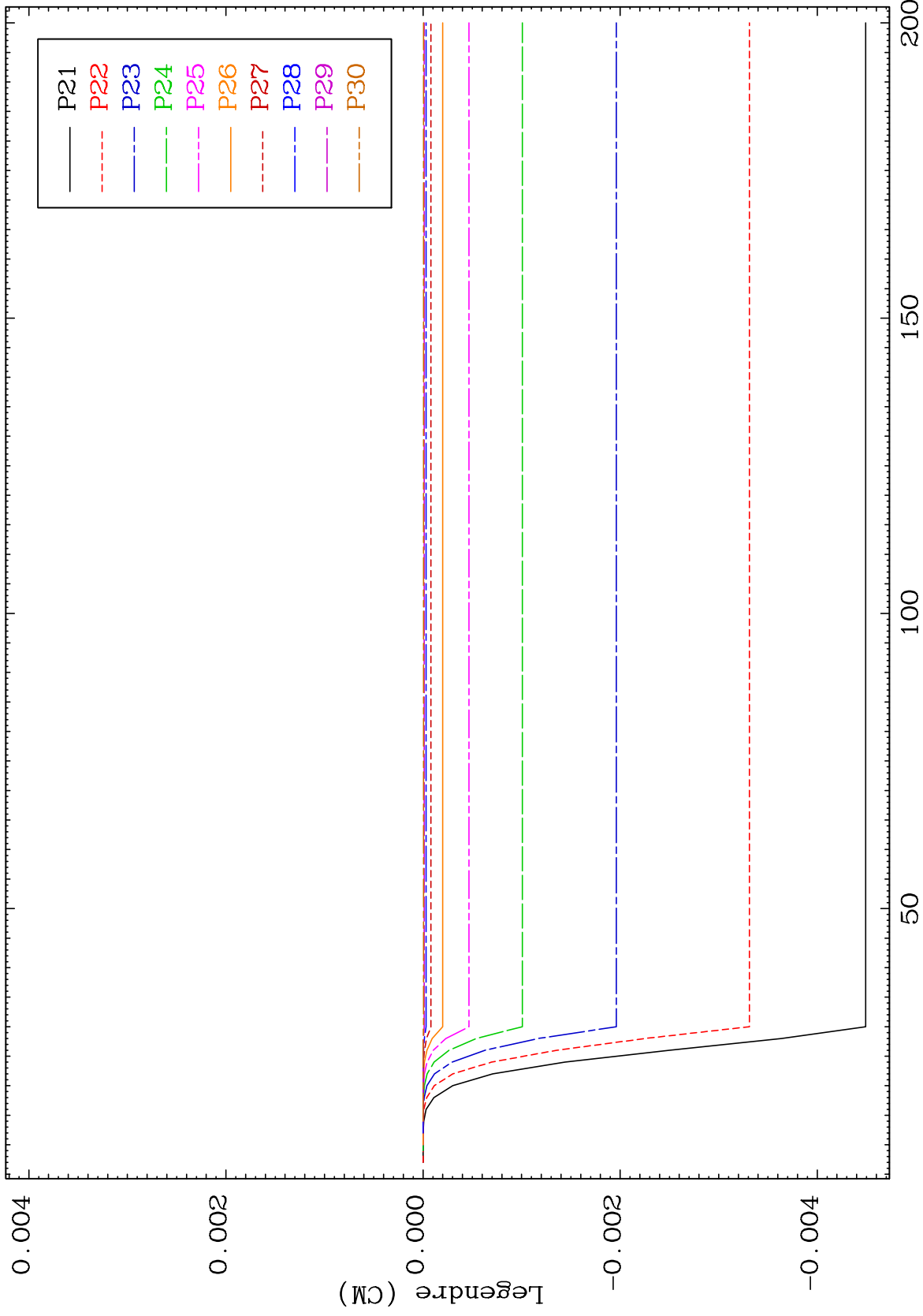


74-W -189

MAT 7452

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

74-W -189



91

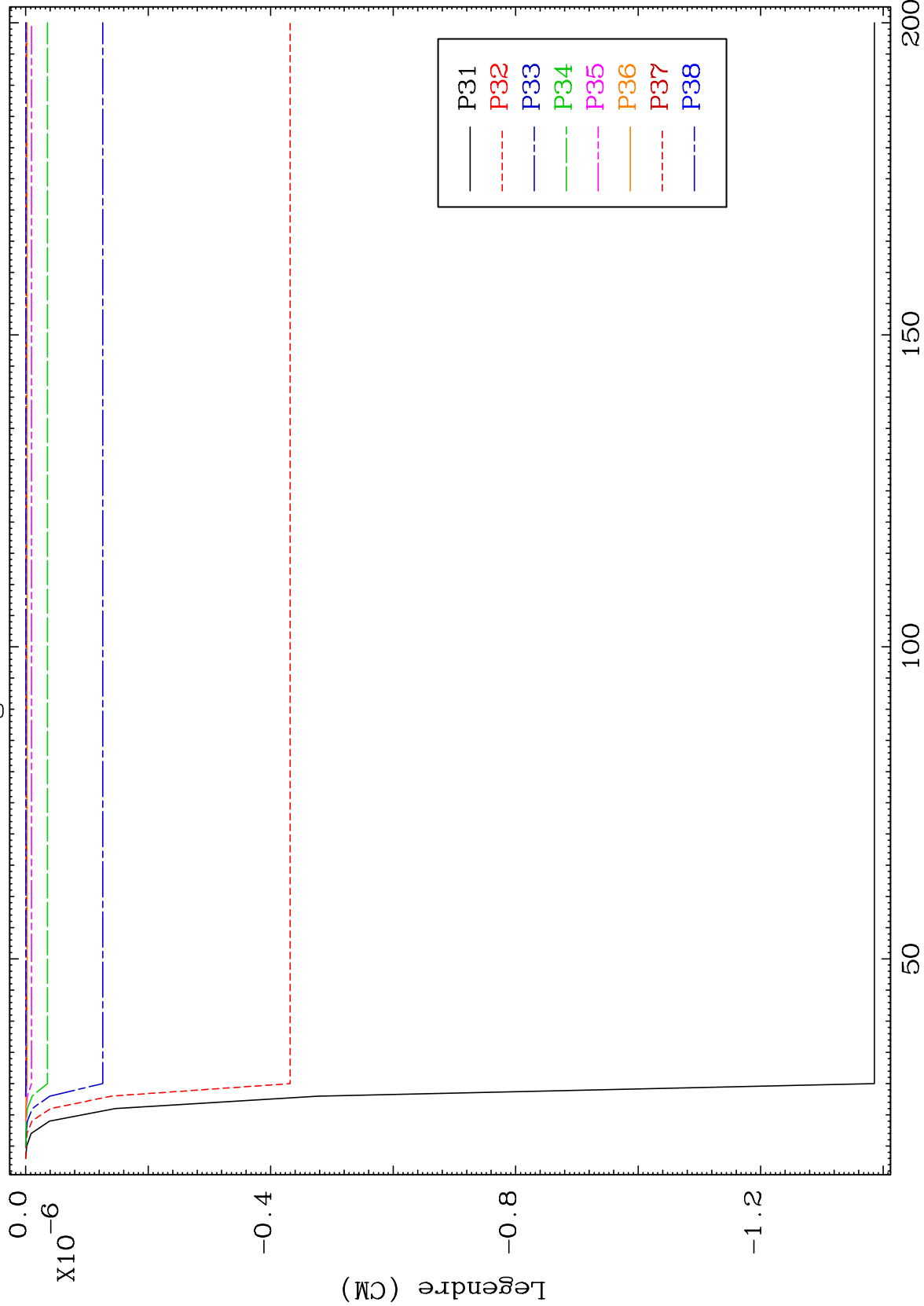
Incident Energy (MeV)

74-W -189

MAT 7452

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

74-W -189



92

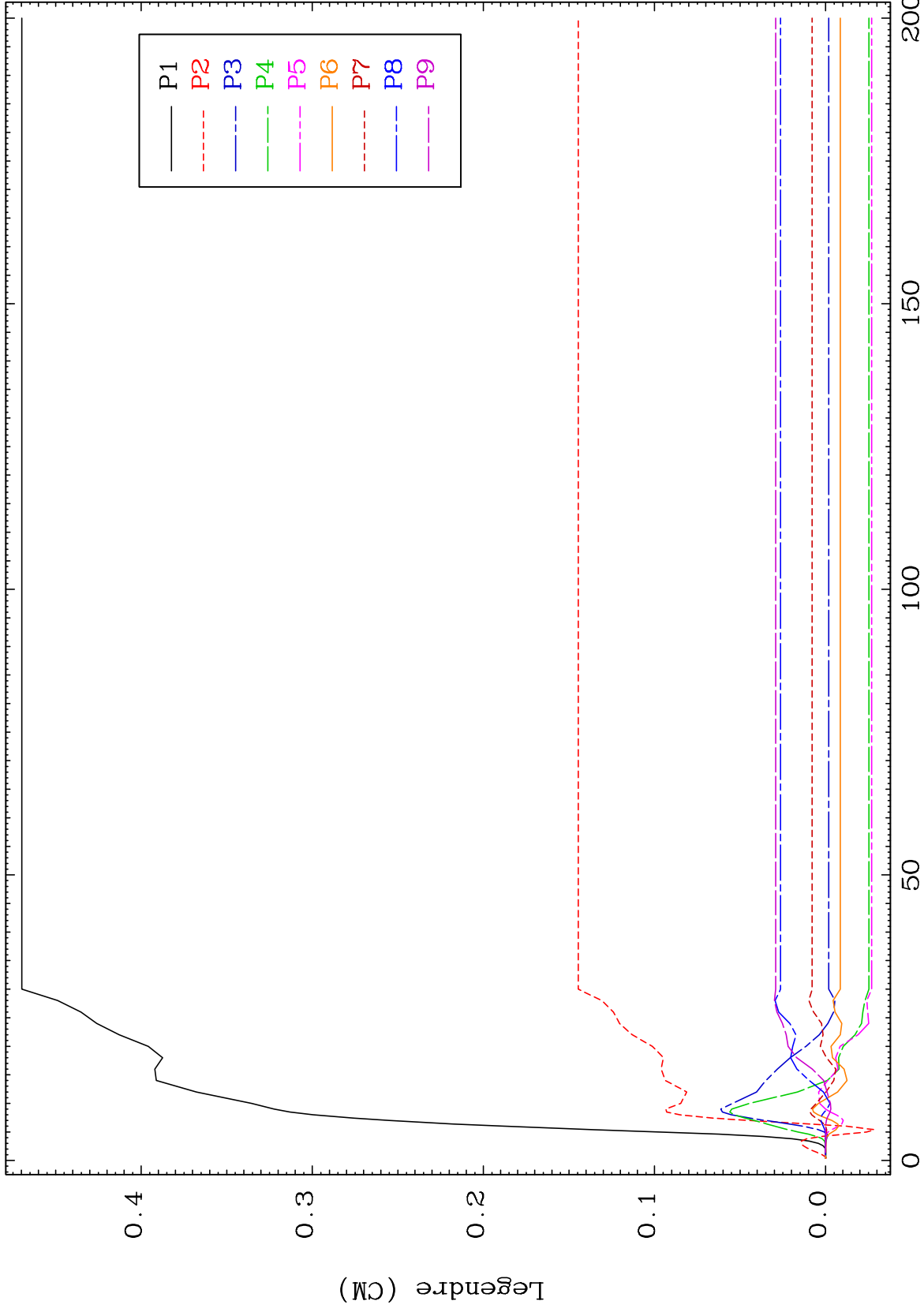
Incident Energy (MeV)

74-W -189

MAT 7452

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

74-W -189



93

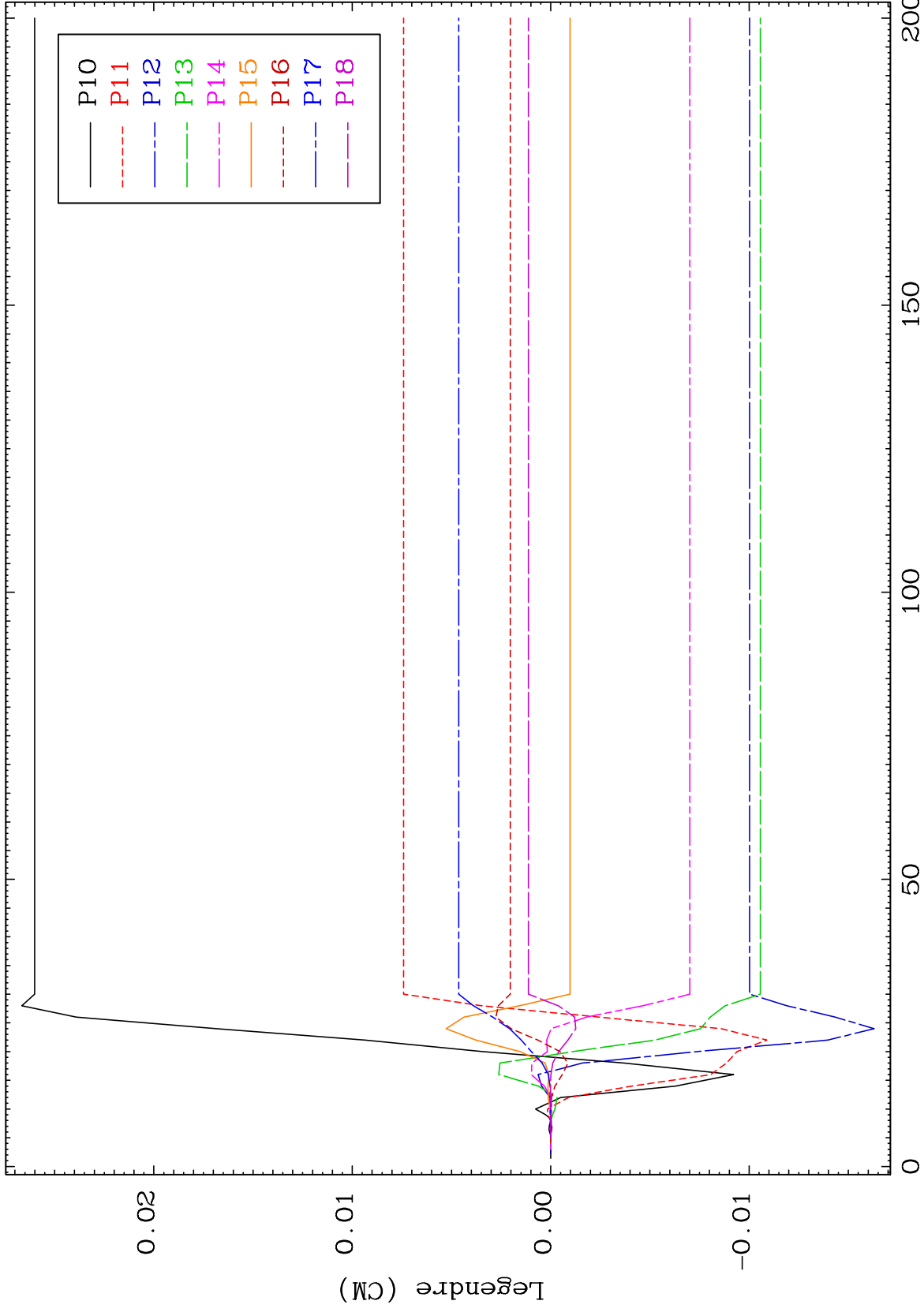
Incident Energy (MeV)

74-W -189

MAT 7452

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

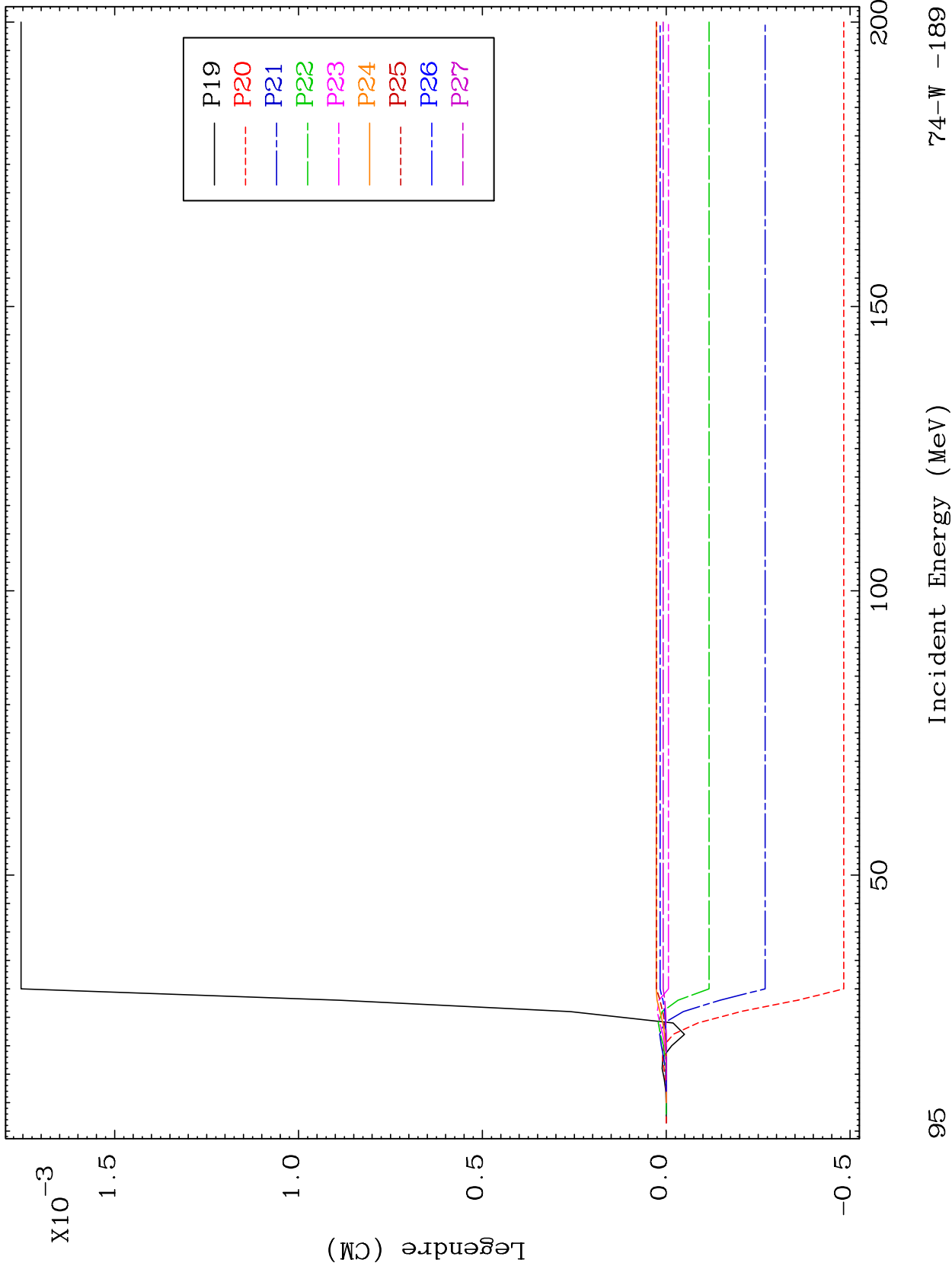
74-W -189



94

Incident Energy (MeV)

74-W -189

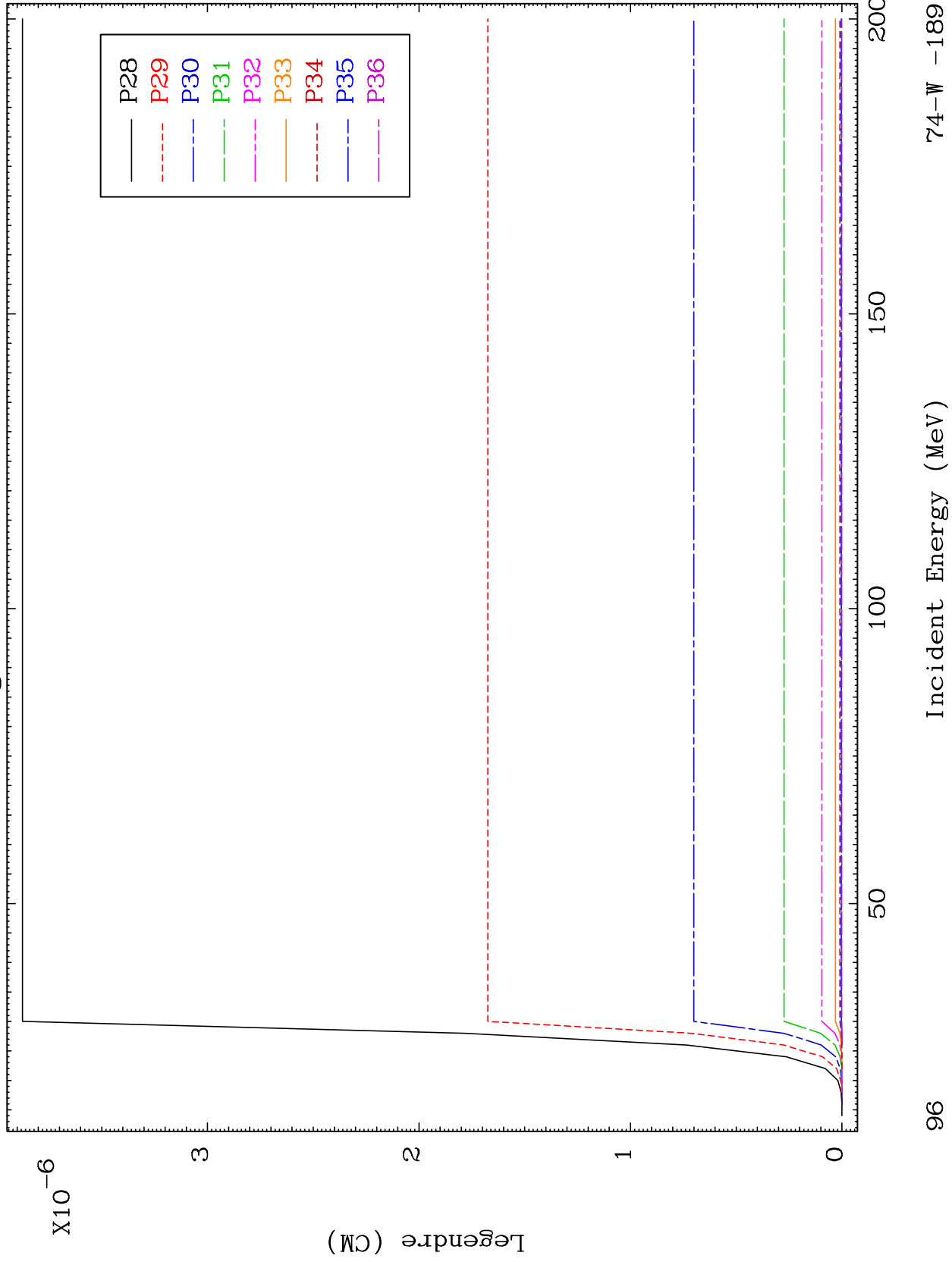




MAT 7452

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

74-W -189



96

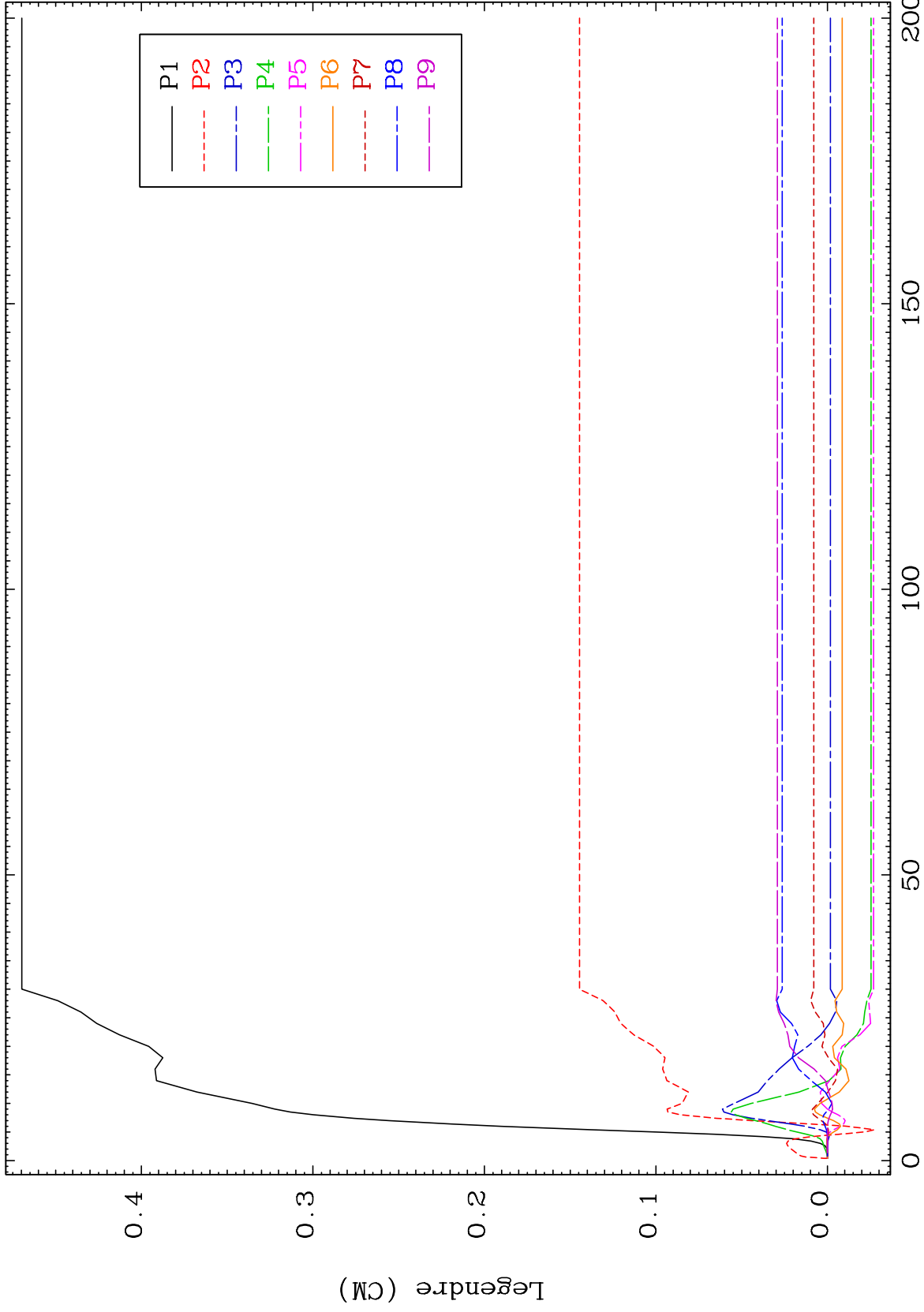
Incident Energy (MeV)

74-W -189

MAT 7452

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

74-W -189



97

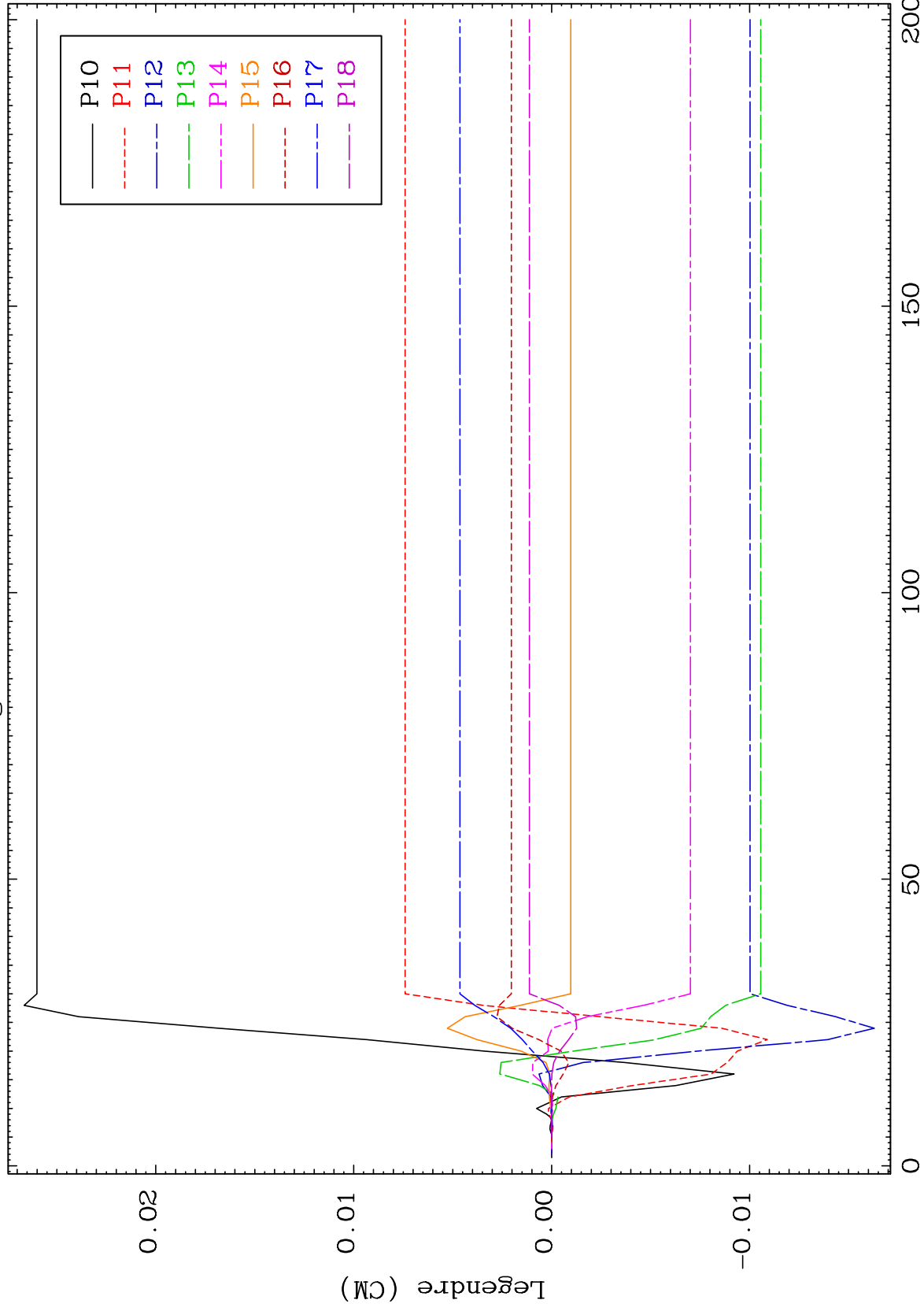
Incident Energy (MeV)

74-W -189

MAT 7452

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

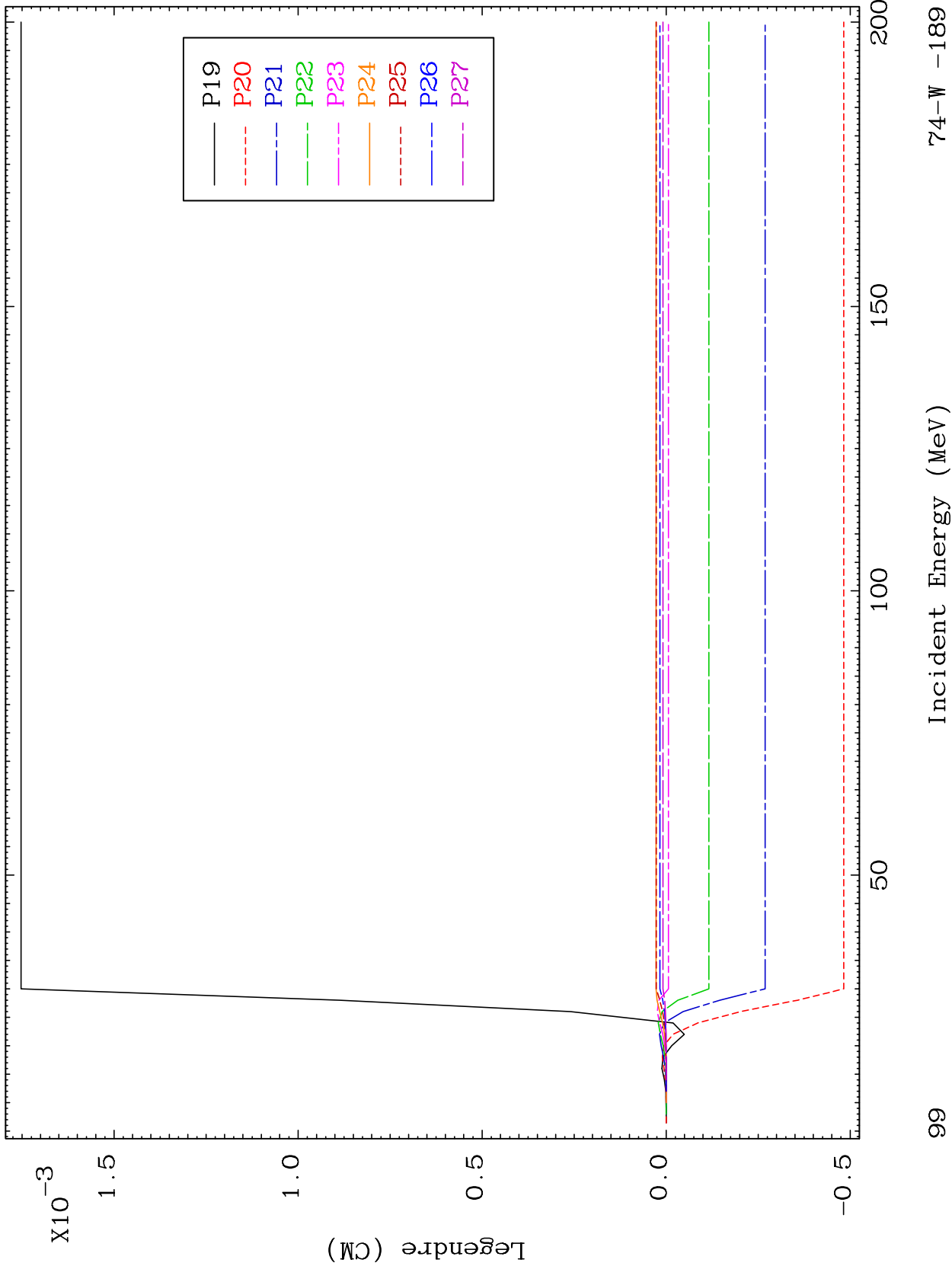
74-W -189



98

Incident Energy (MeV)

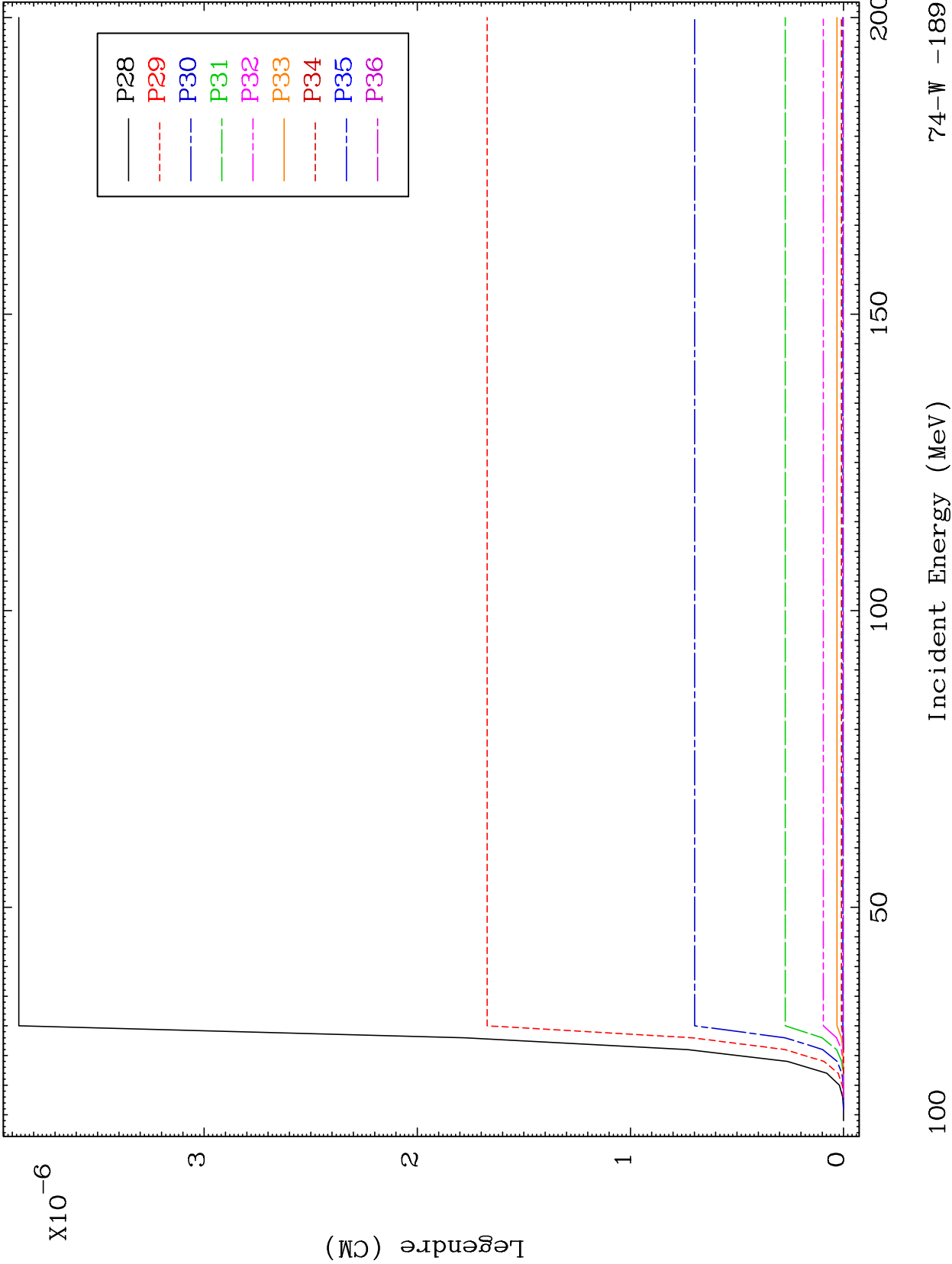
74-W -189



MAT 7452

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

74-W -189



100

50

100

150

200

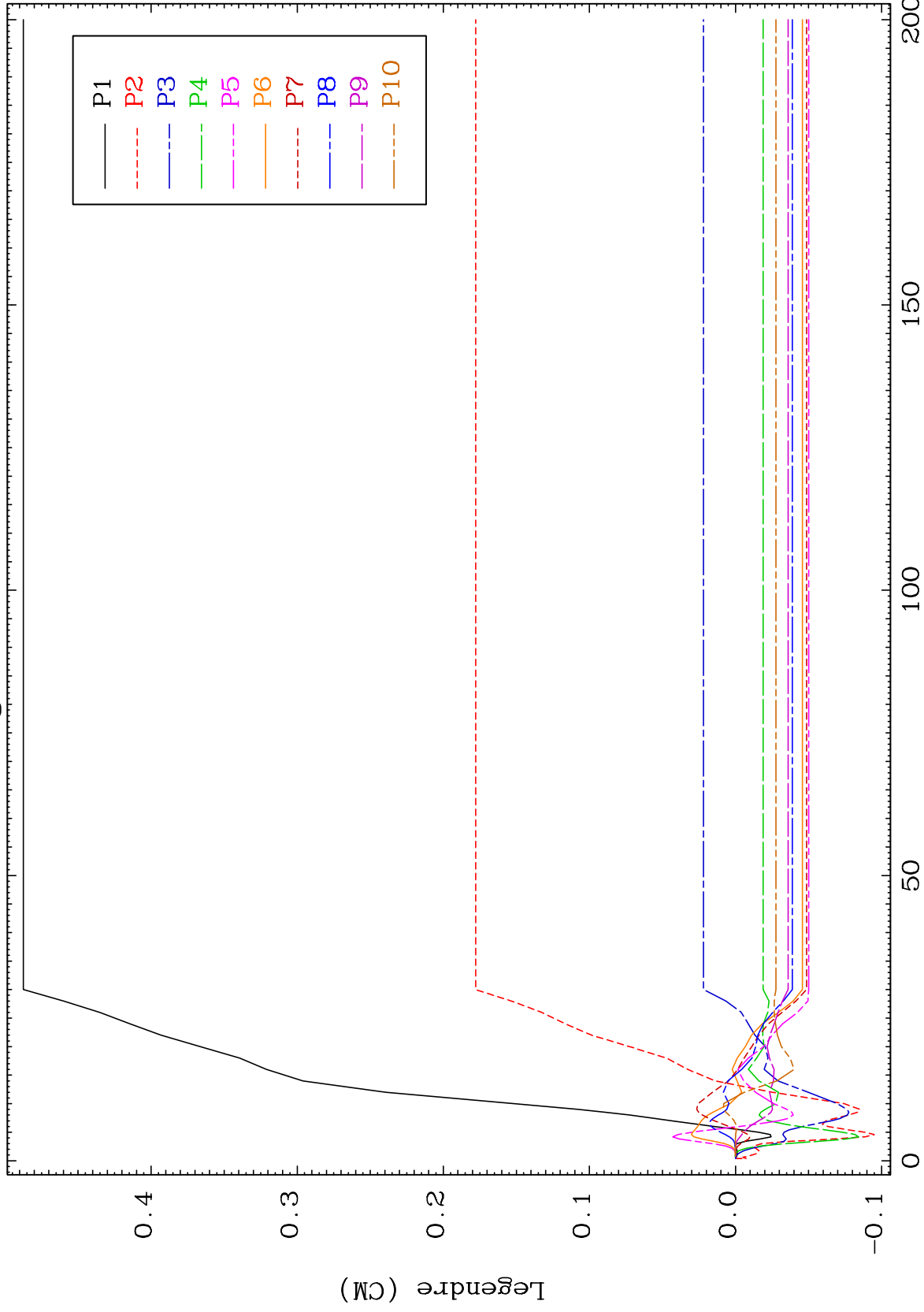
Incident Energy (MeV)

74-W -189

MAT 7452

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

74-W -189



74-W -189

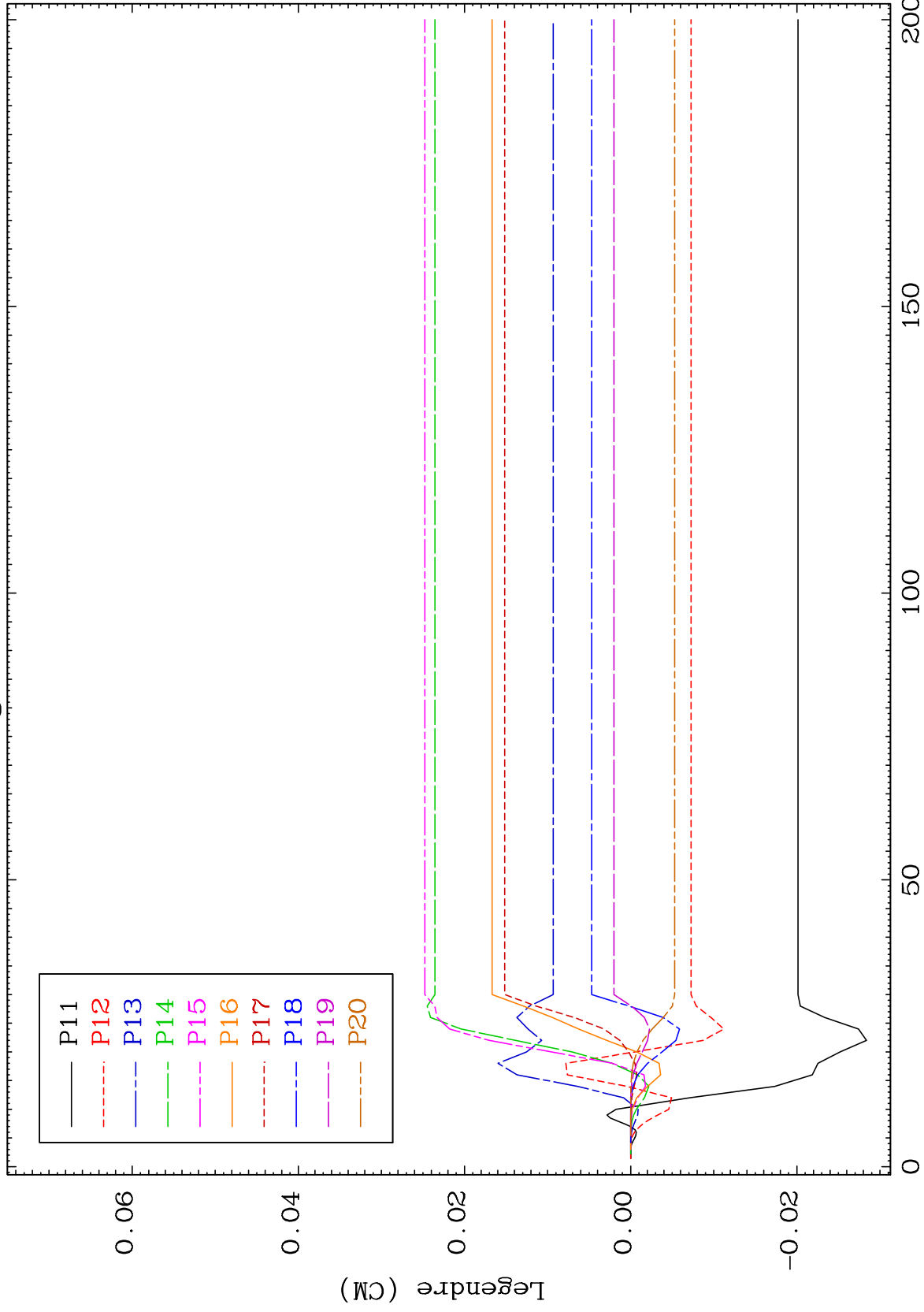
Incident Energy (MeV)

101

MAT 7452

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

74-W -189



102

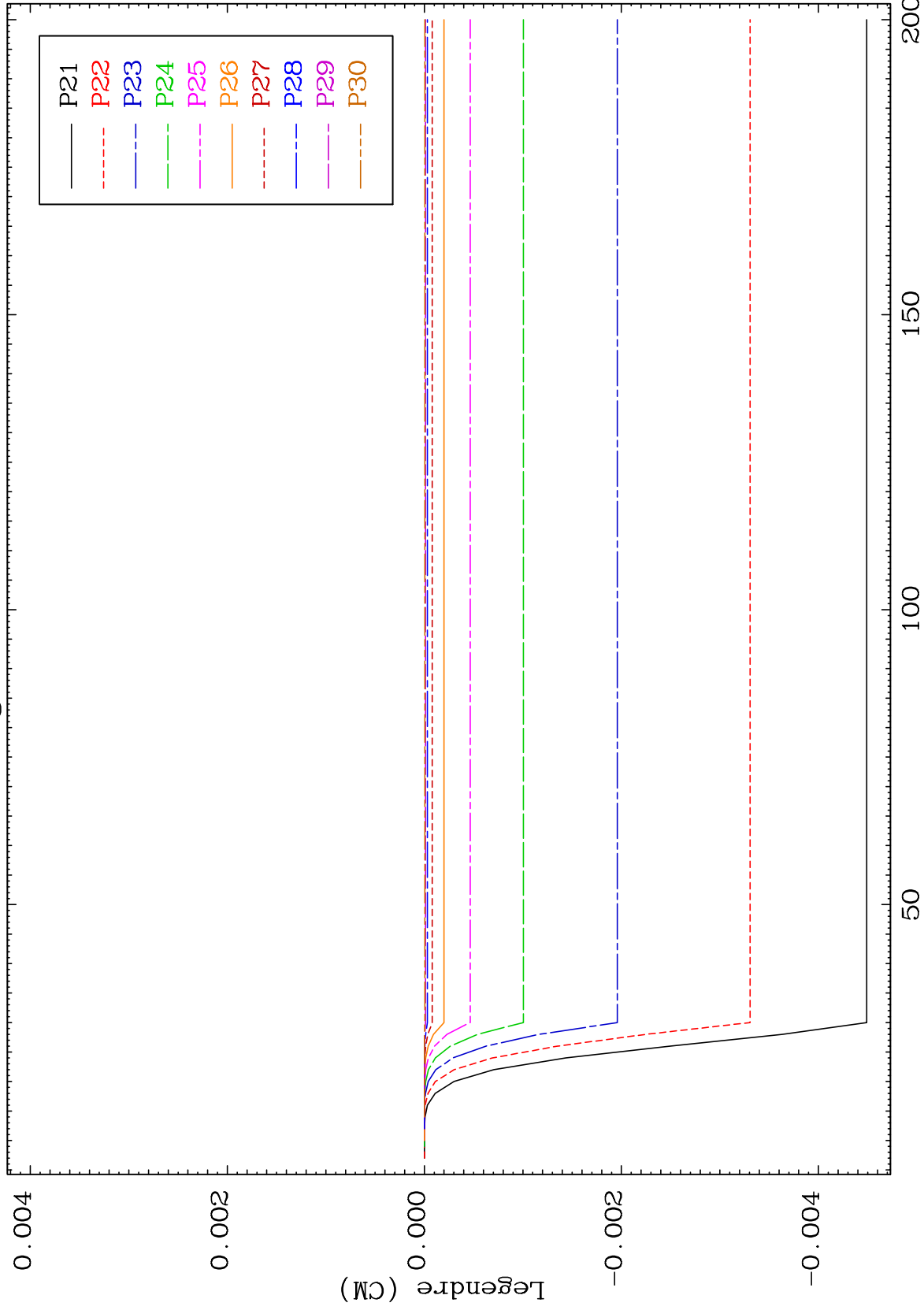
Incident Energy (MeV)

74-W -189

MAT 7452

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

74-W -189



103

Incident Energy (MeV)

74-W -189

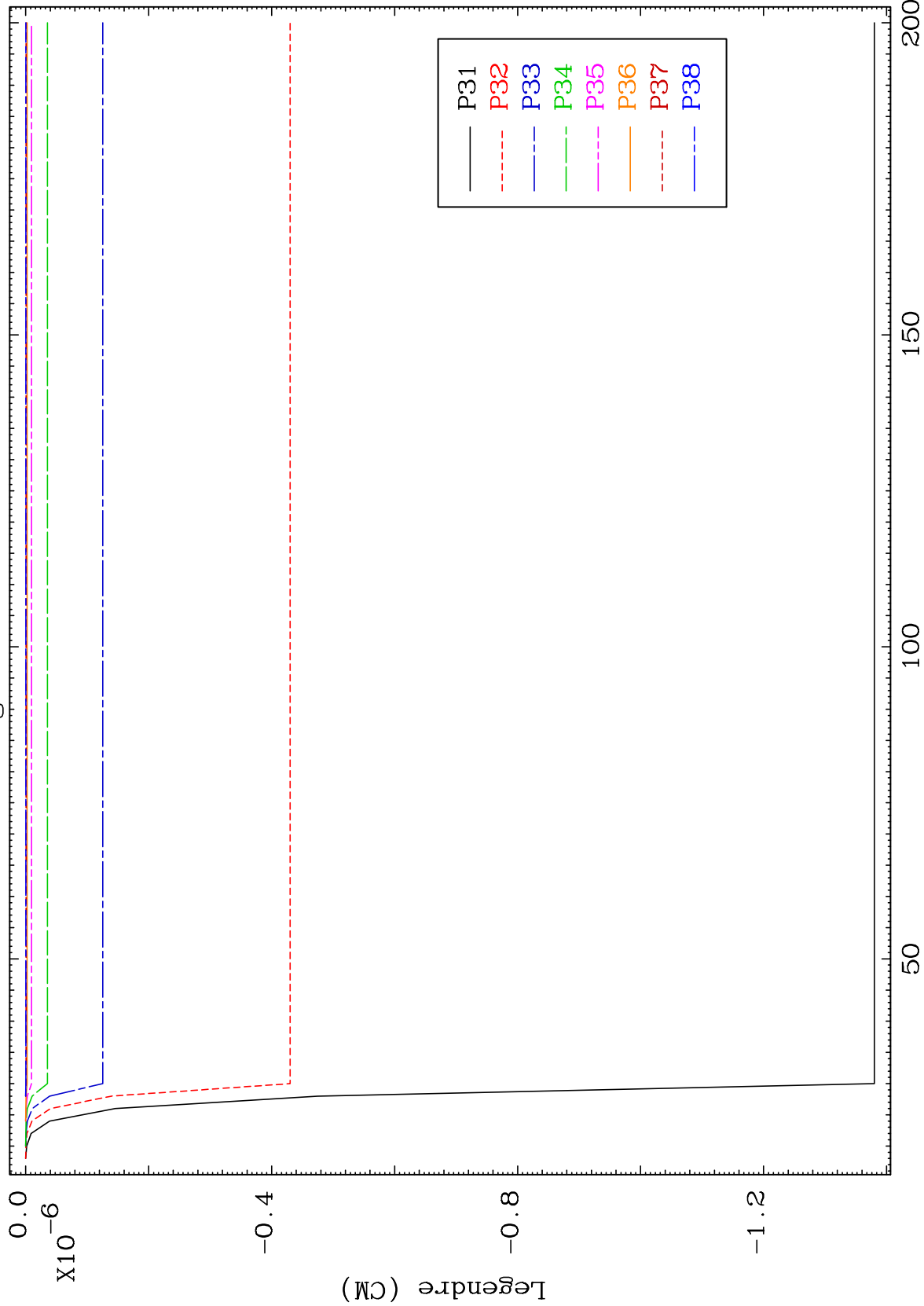


MAT 7452

MT= 71 (n,n') Level

74-W -189

Legendre Coefficients



74-W -189

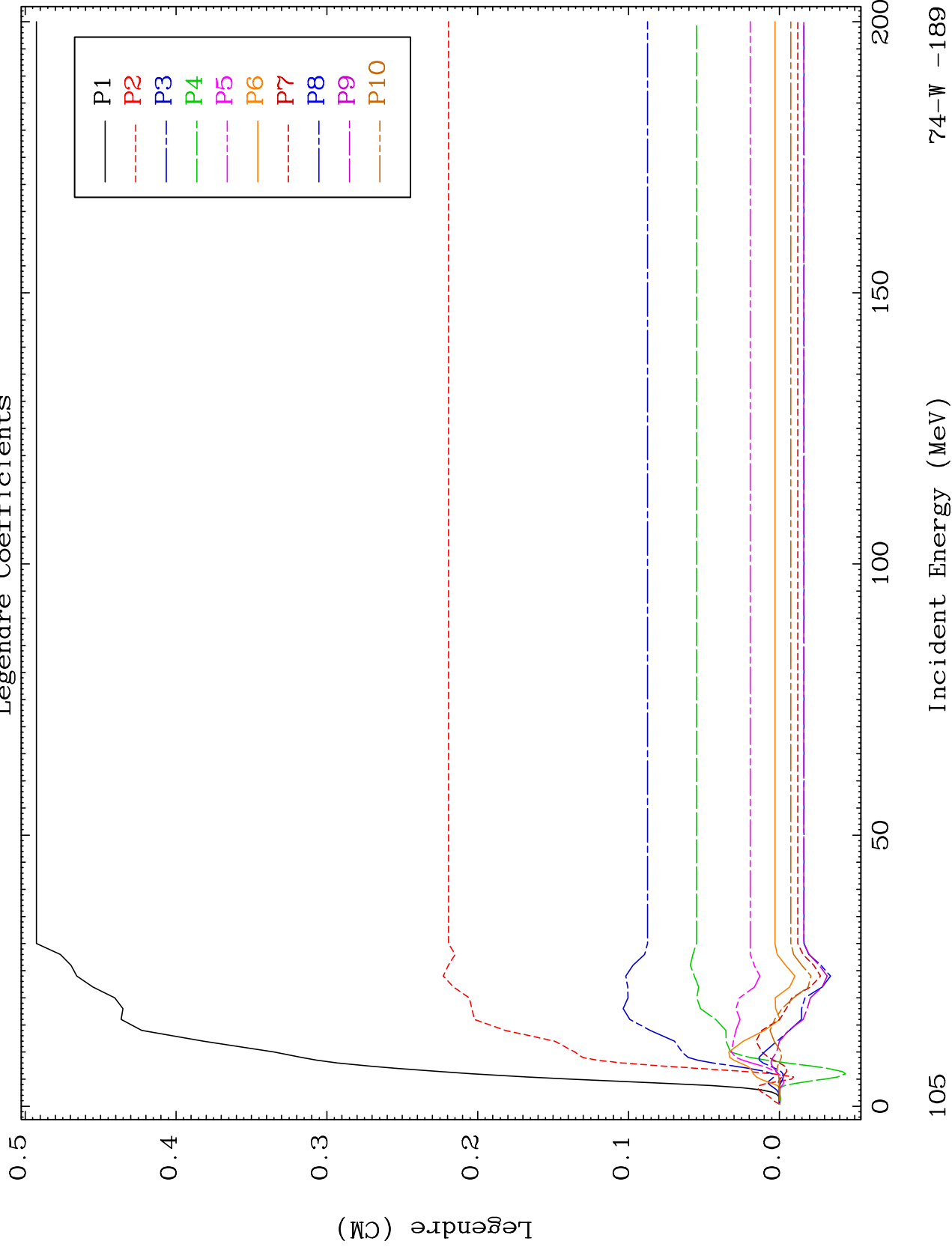
Incident Energy (MeV)

104

MAT 7452

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

74-W -189



74-W -189

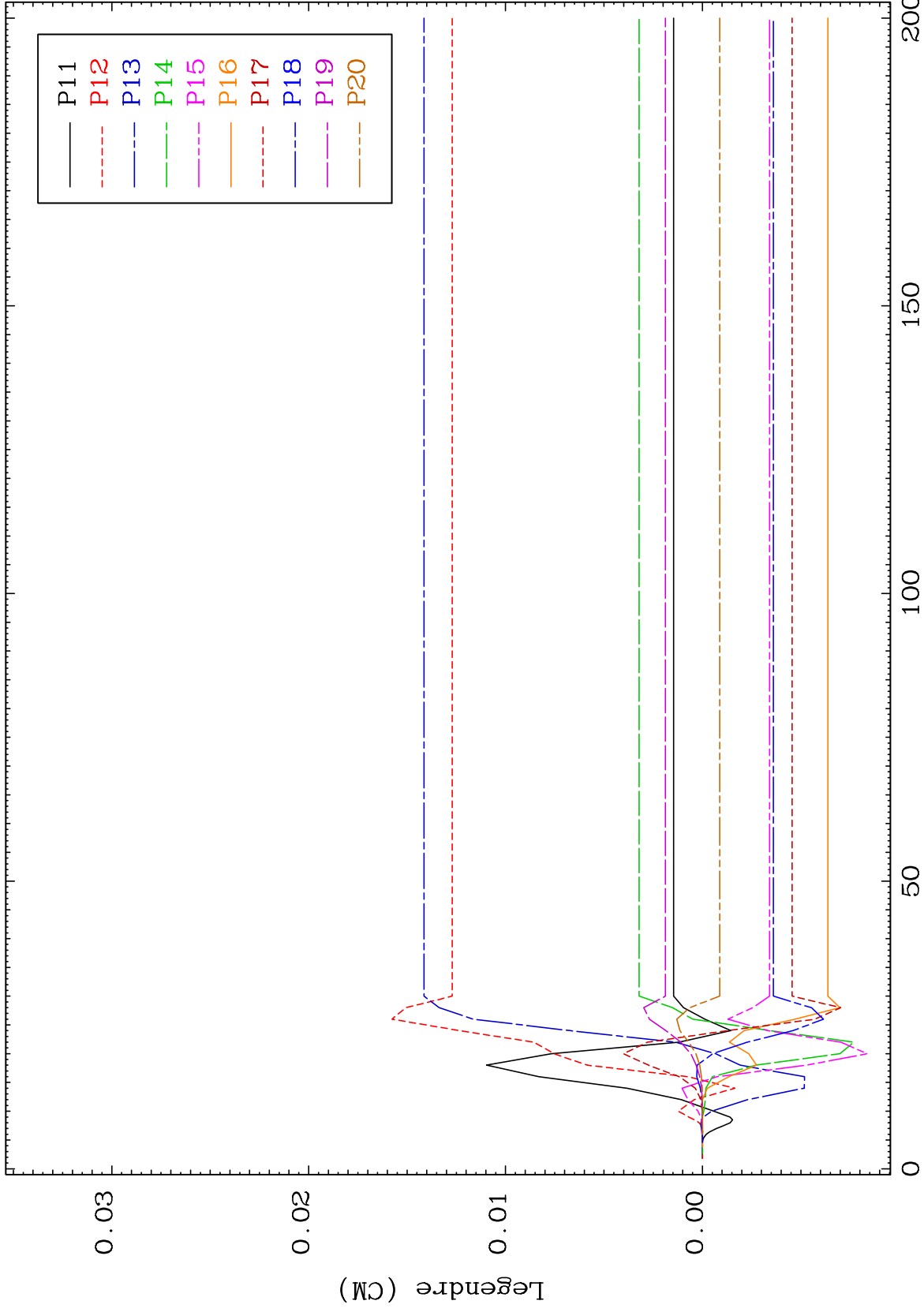
Incident Energy (MeV)

105

MAT 7452

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

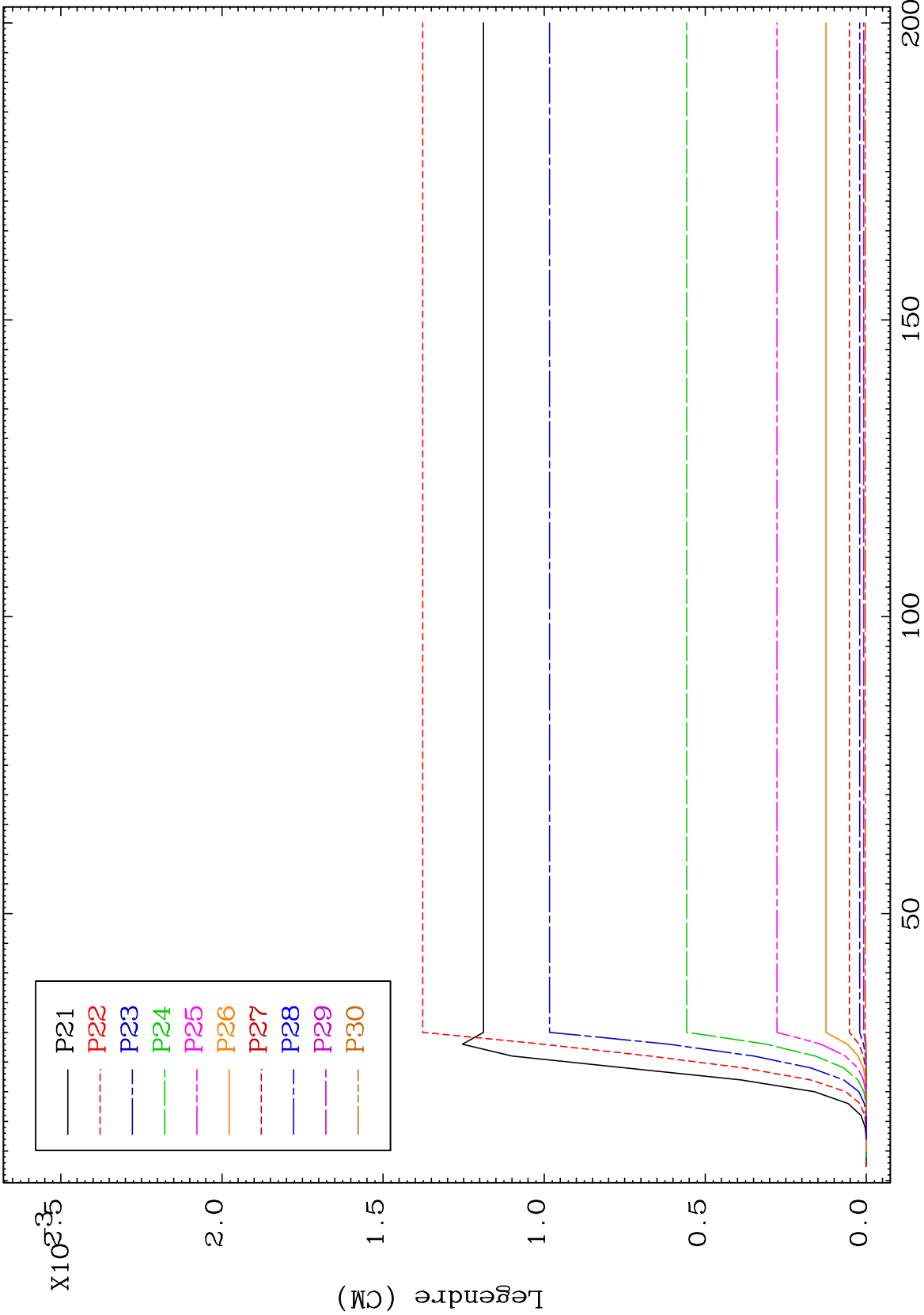
74-W -189



106

Incident Energy (MeV)

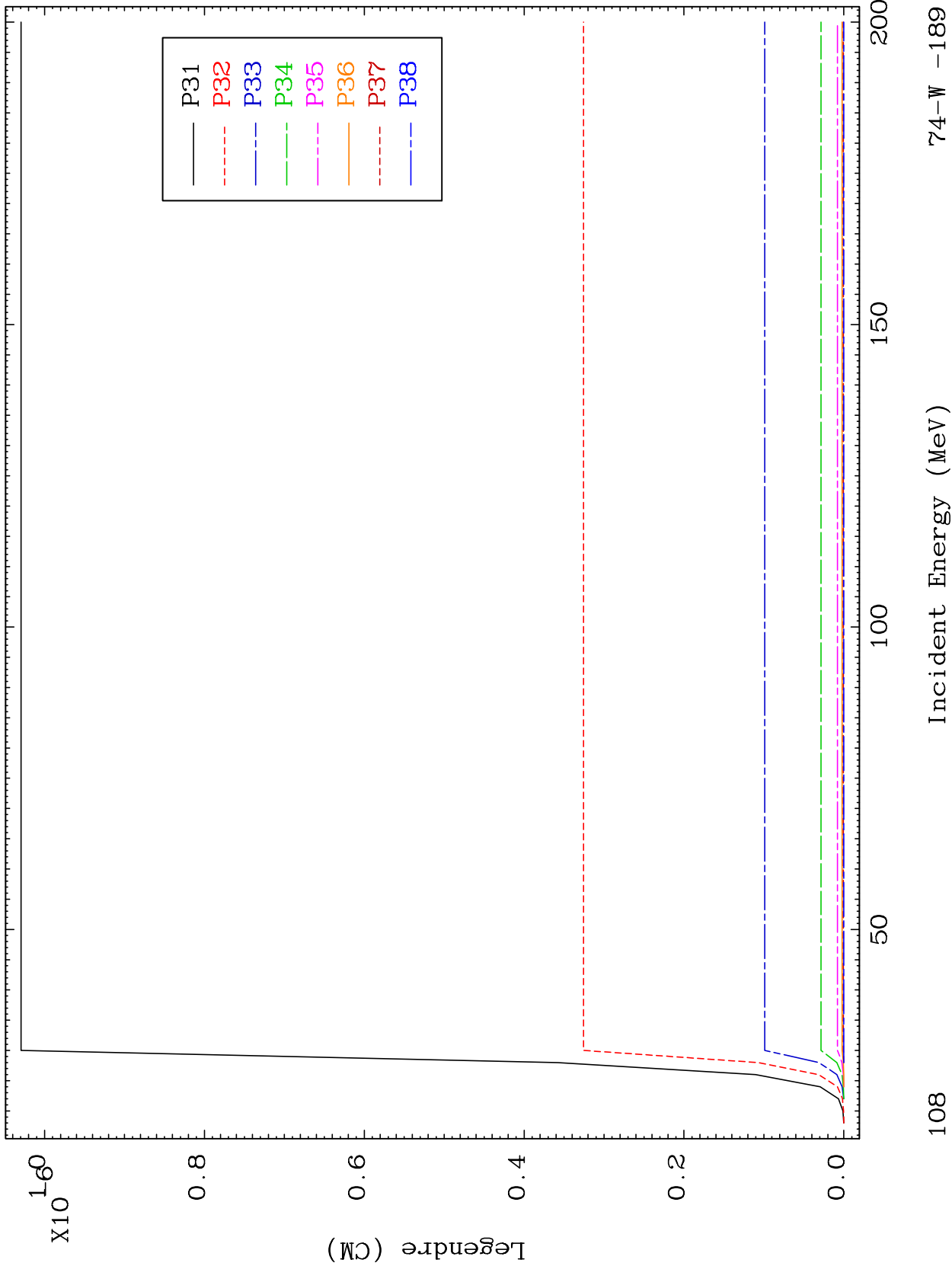
74-W -189



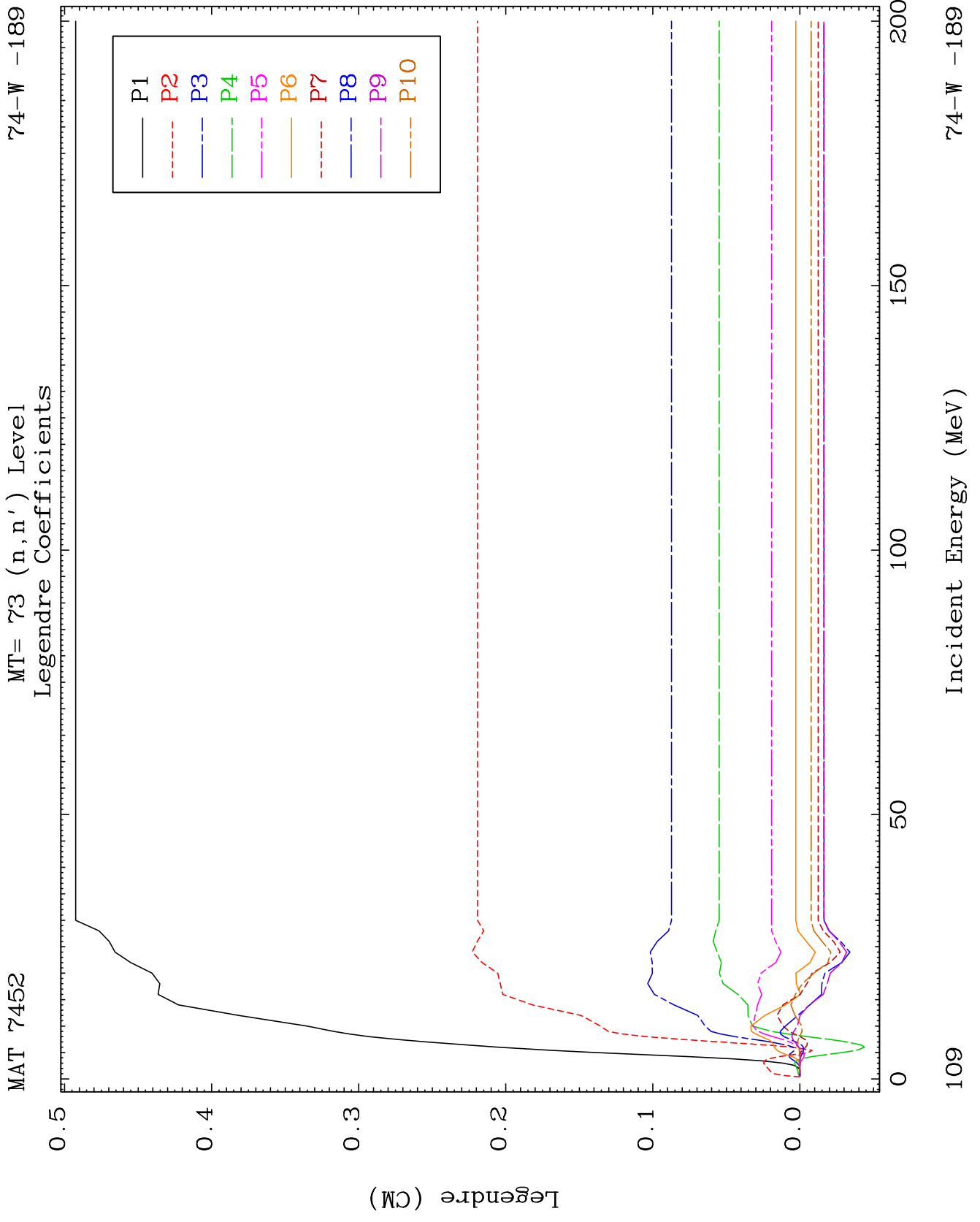
MAT 7452

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

74-W -189



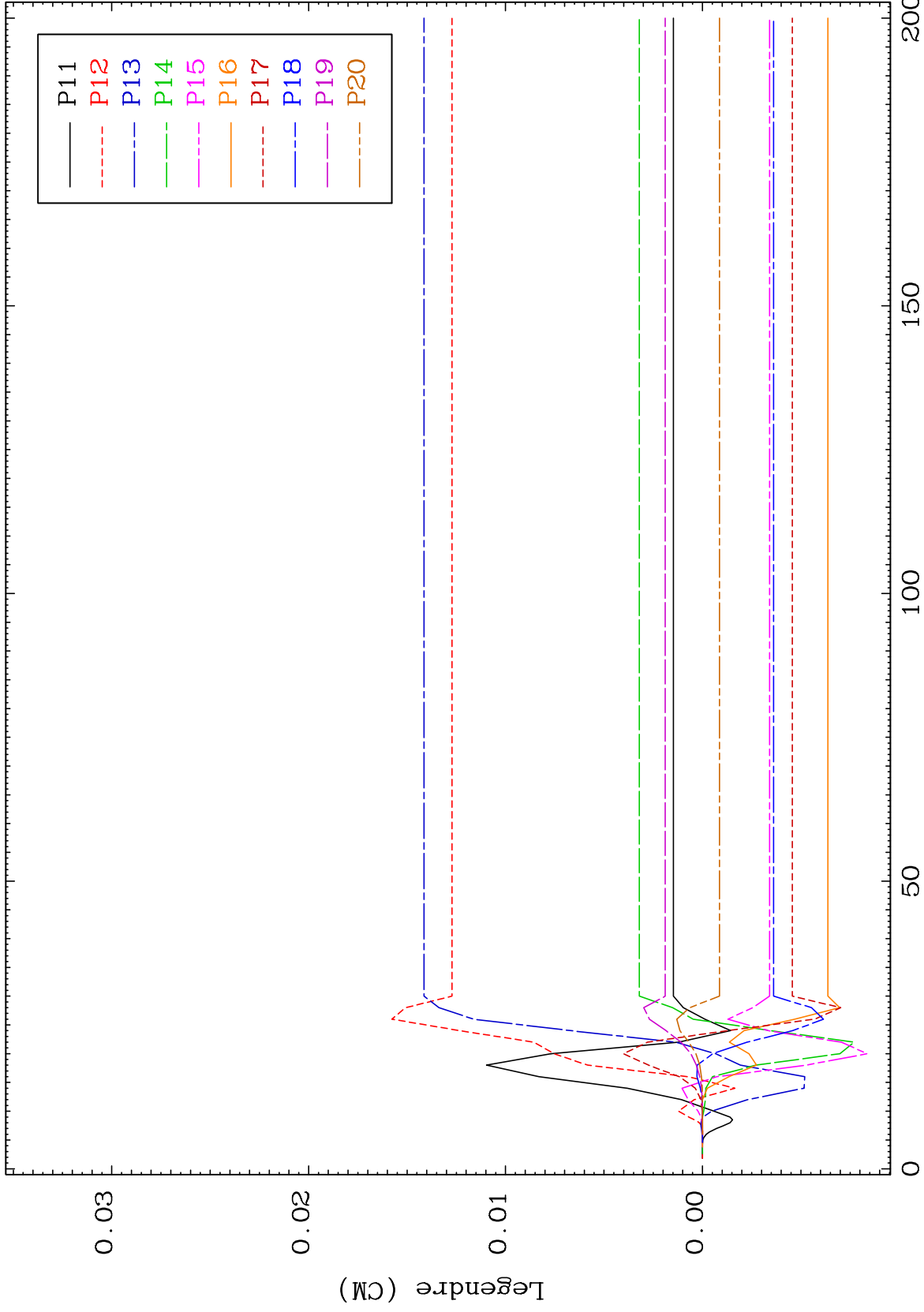
108



MAT 7452

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

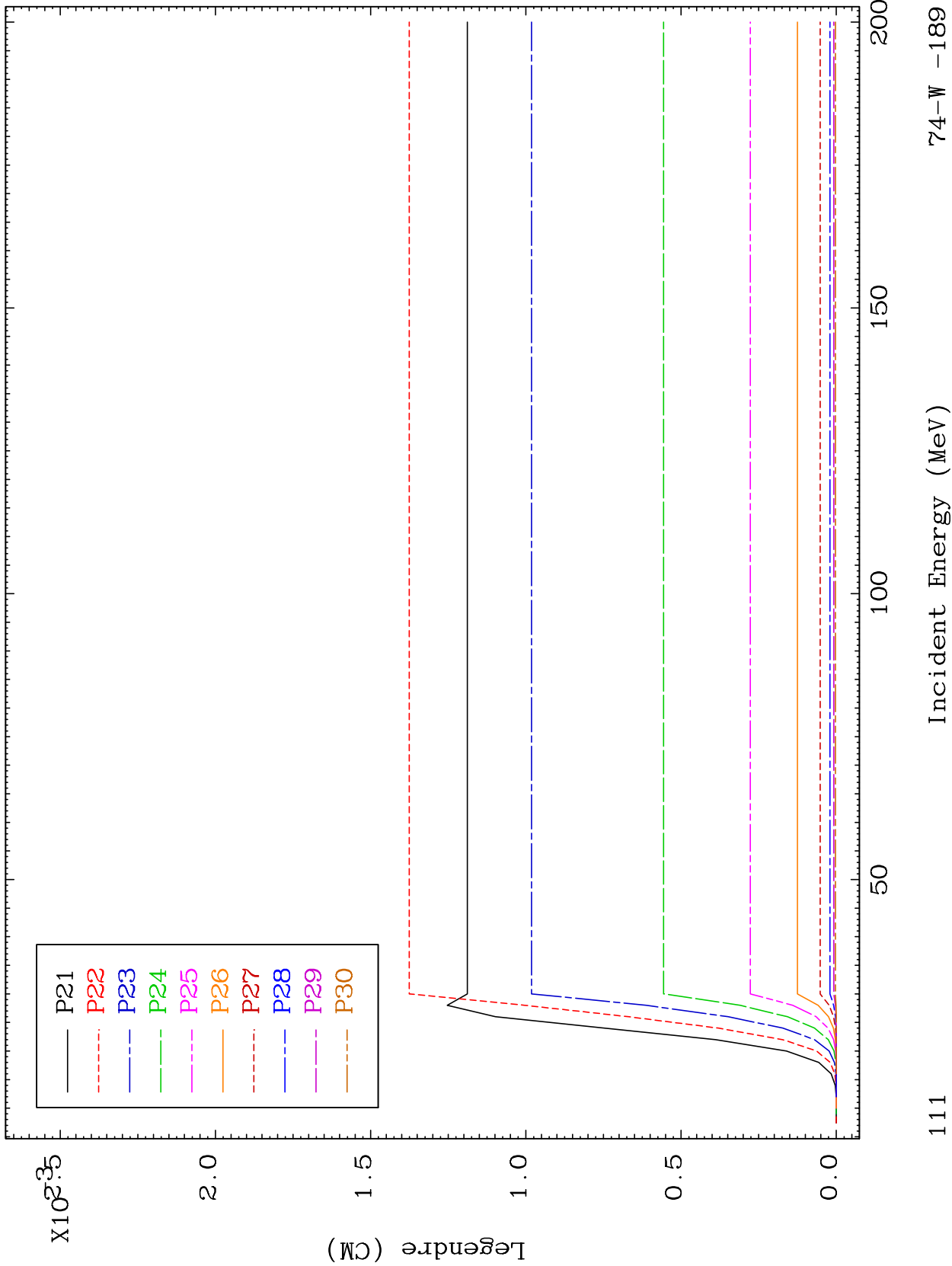
74-W -189



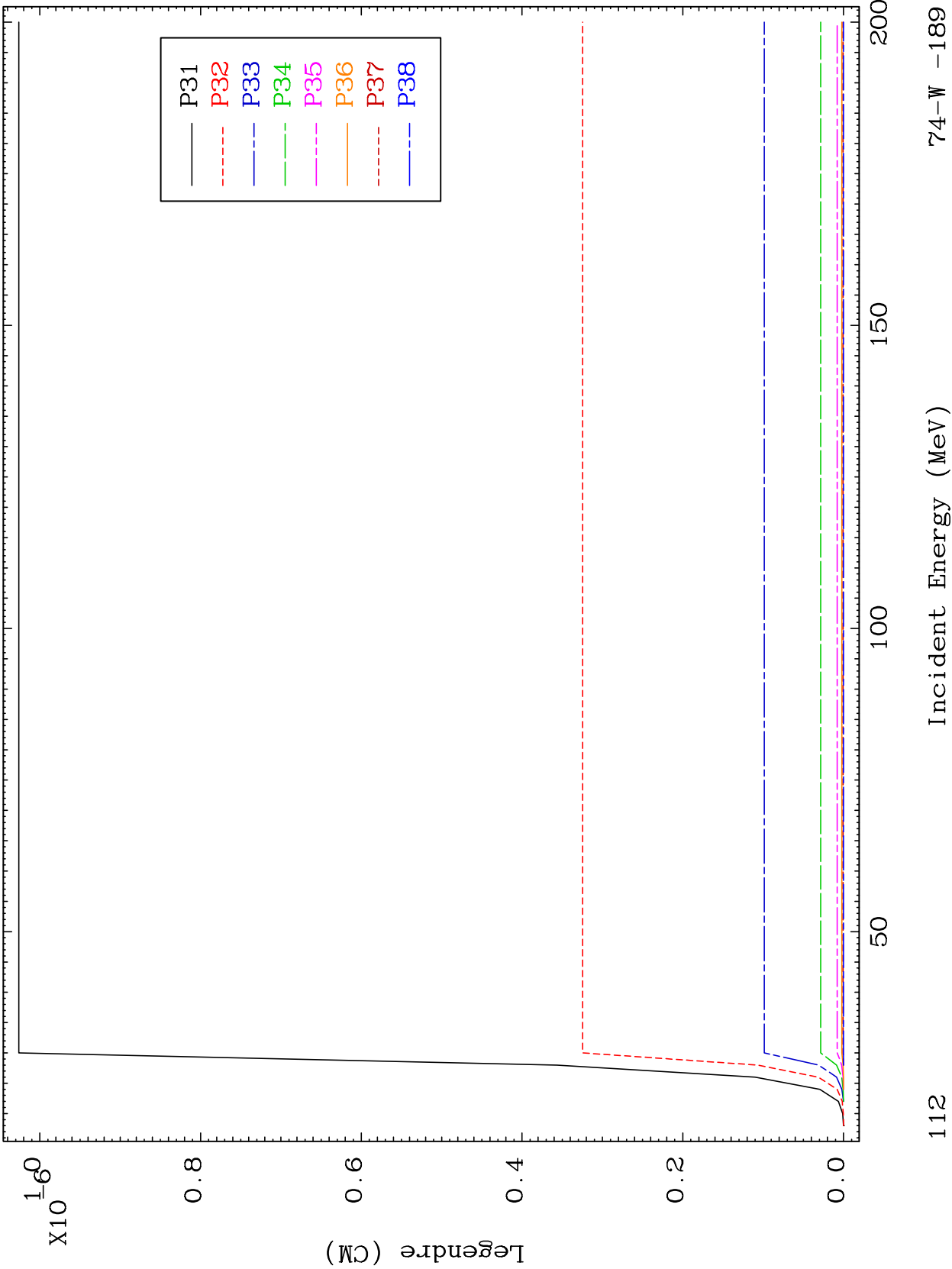
110

Incident Energy (MeV)

74-W -189



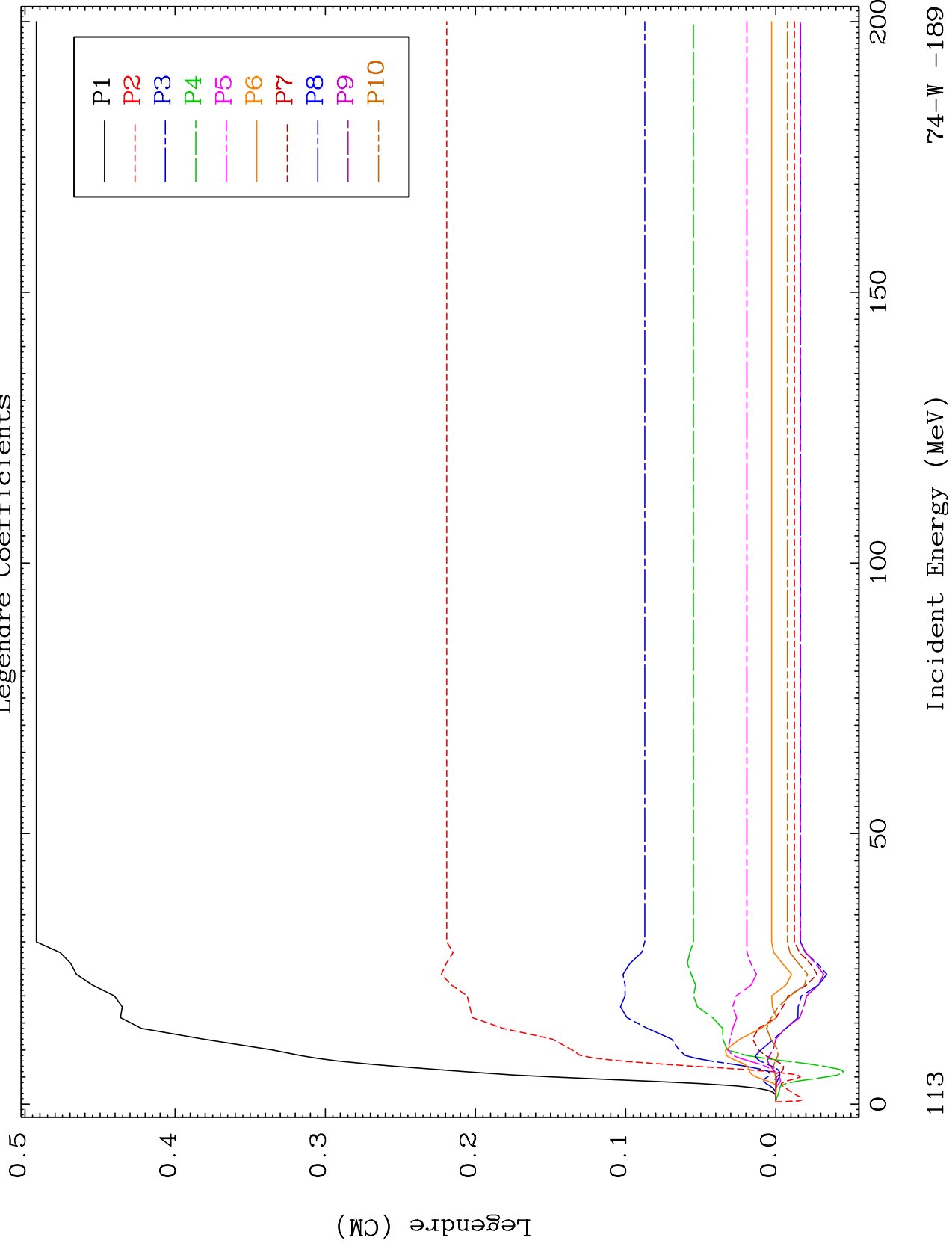




MAT 7452

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

74-W -189



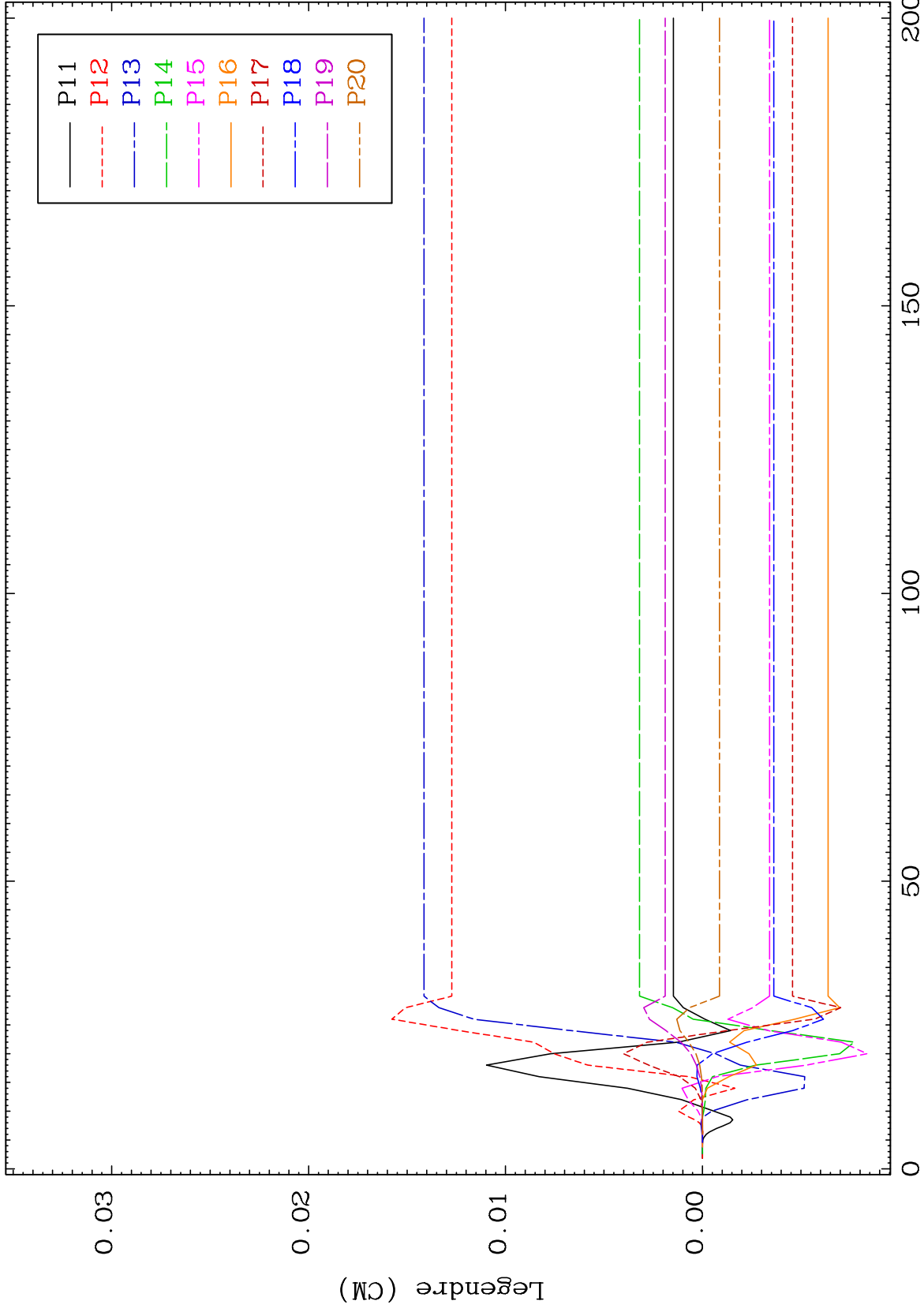
113

74-W -189

MAT 7452

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

74-W -189



114

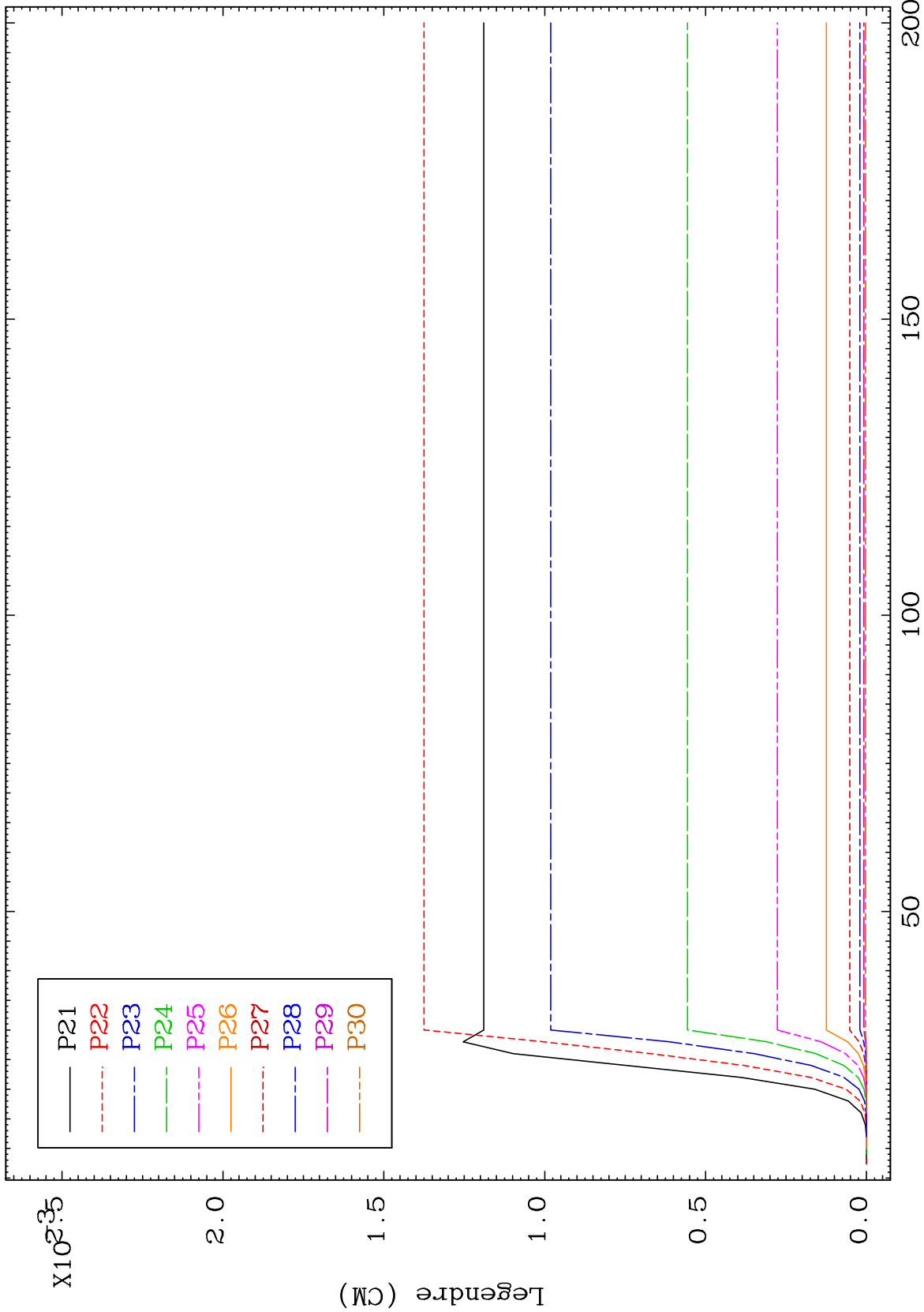
Incident Energy (MeV)

74-W -189

MAT 7452

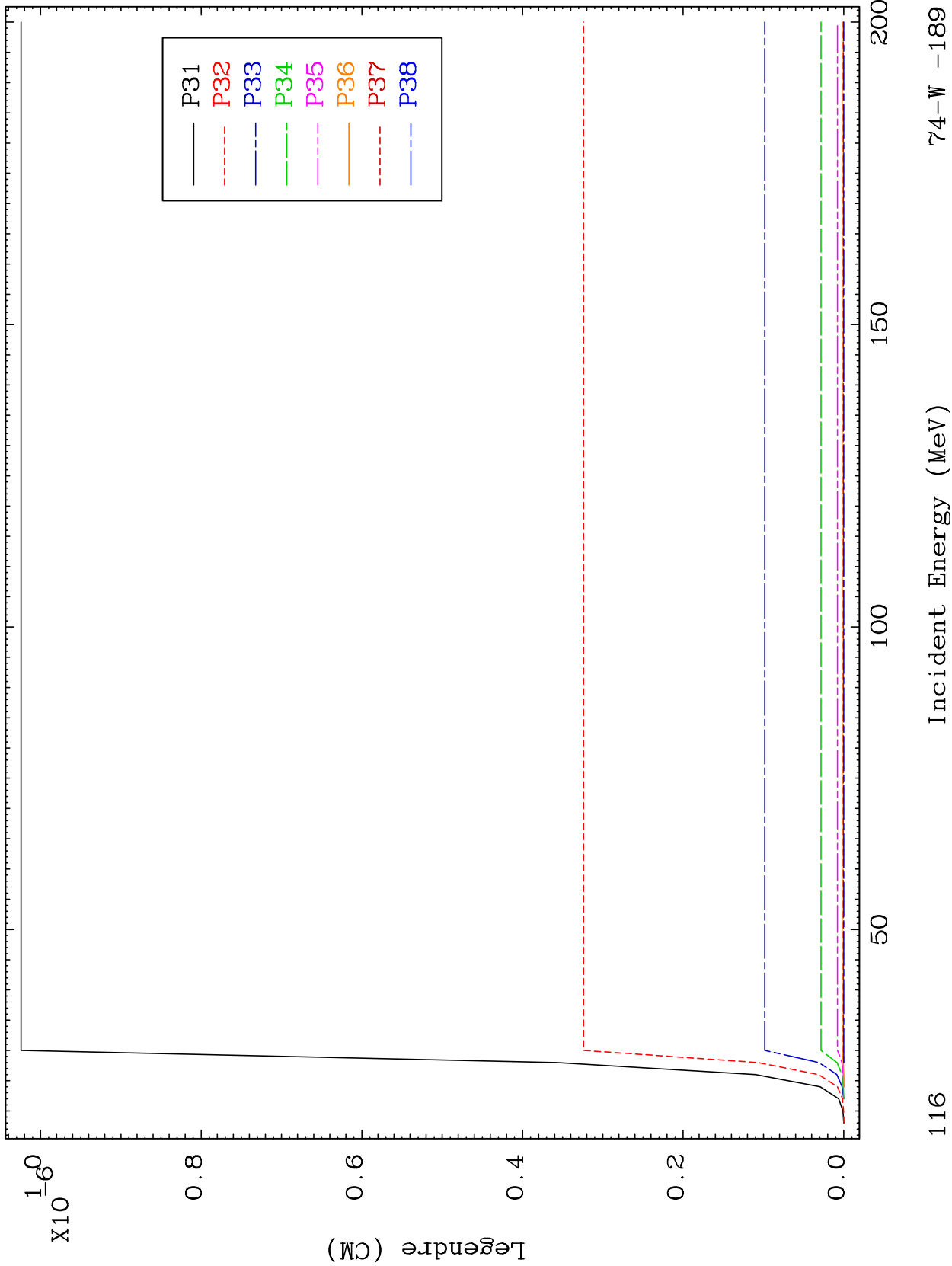
MT= 74 (n,n') Level  
Legendre Coefficients

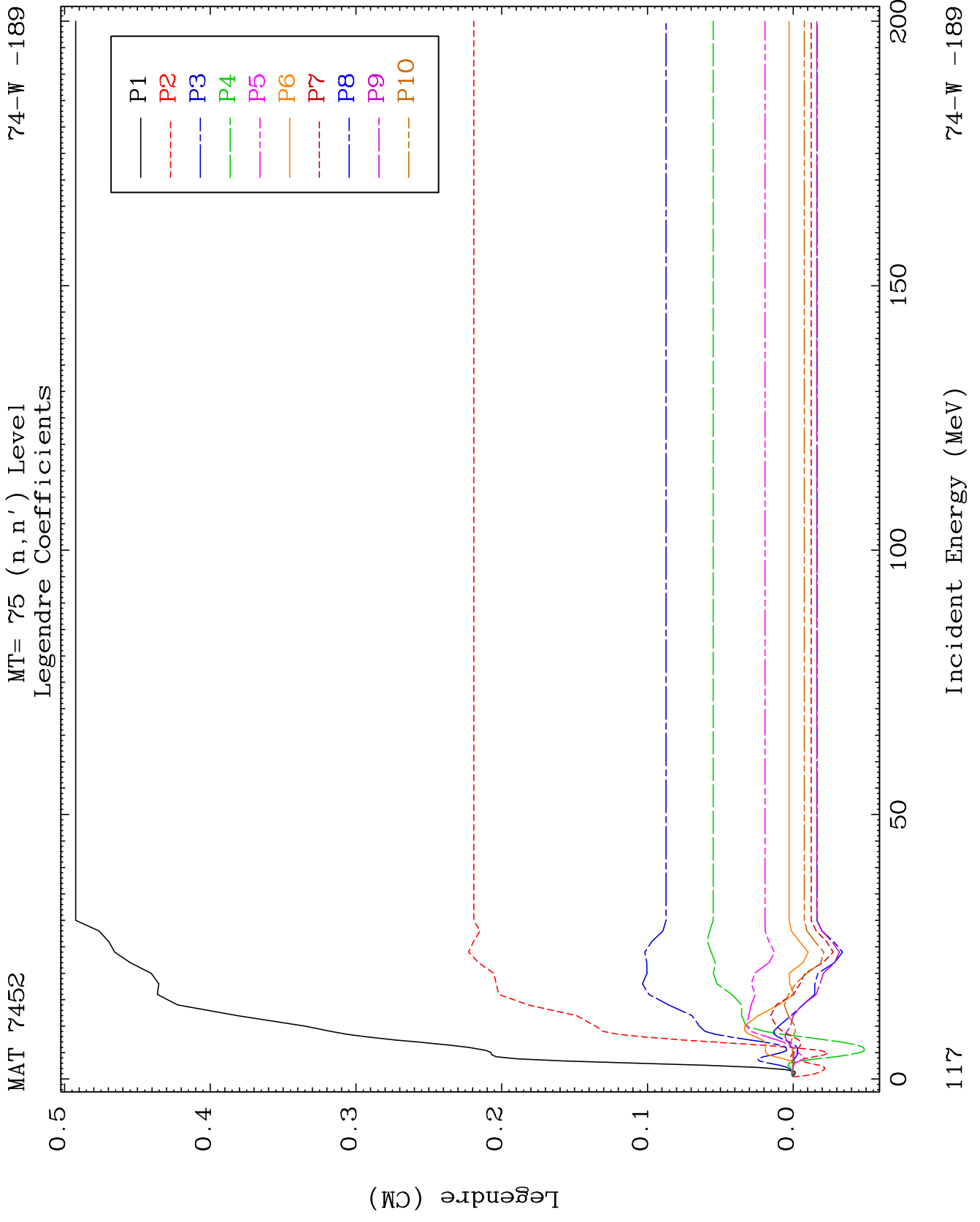
74-W -189



115

74-W -189

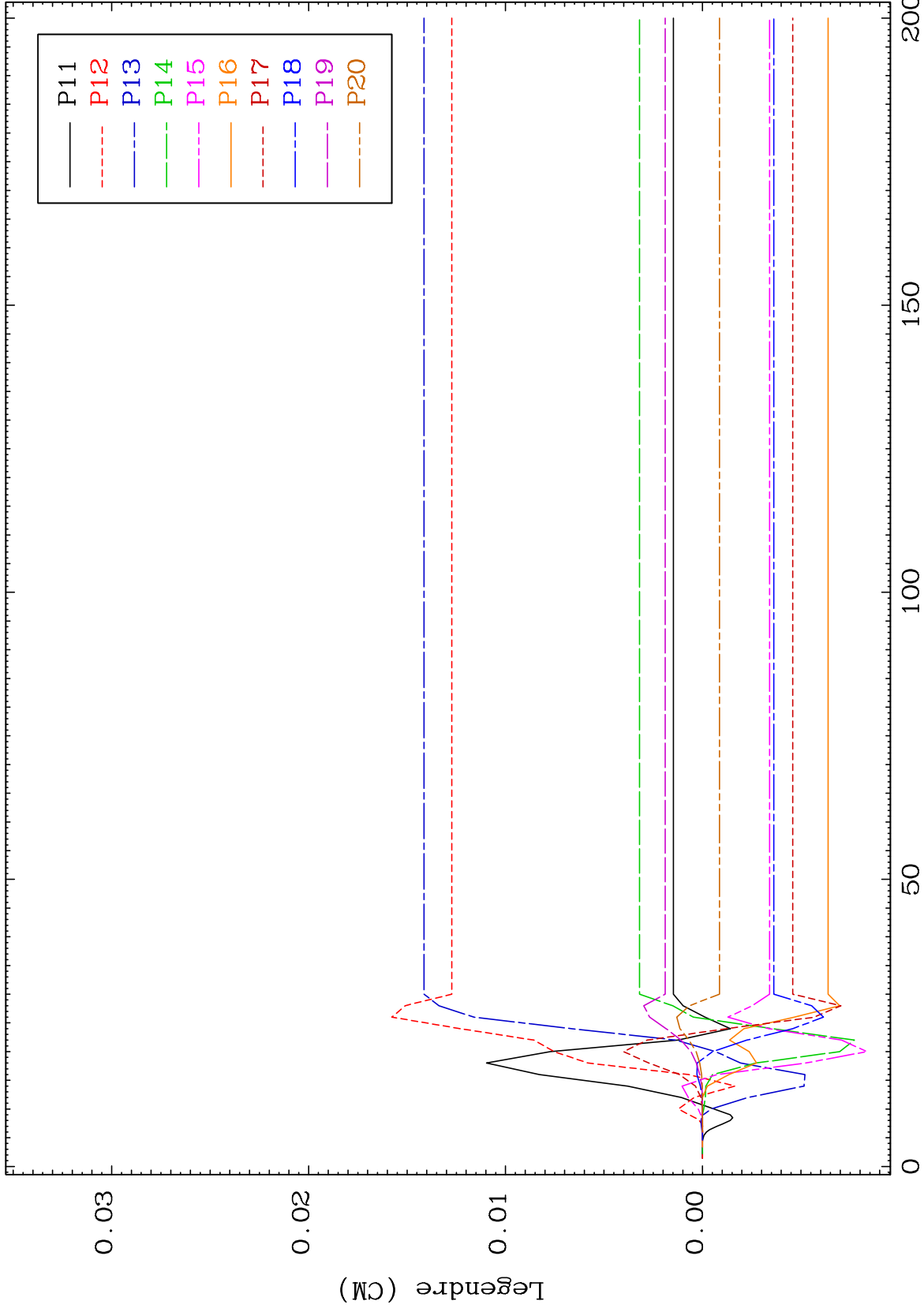




MAT 7452

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

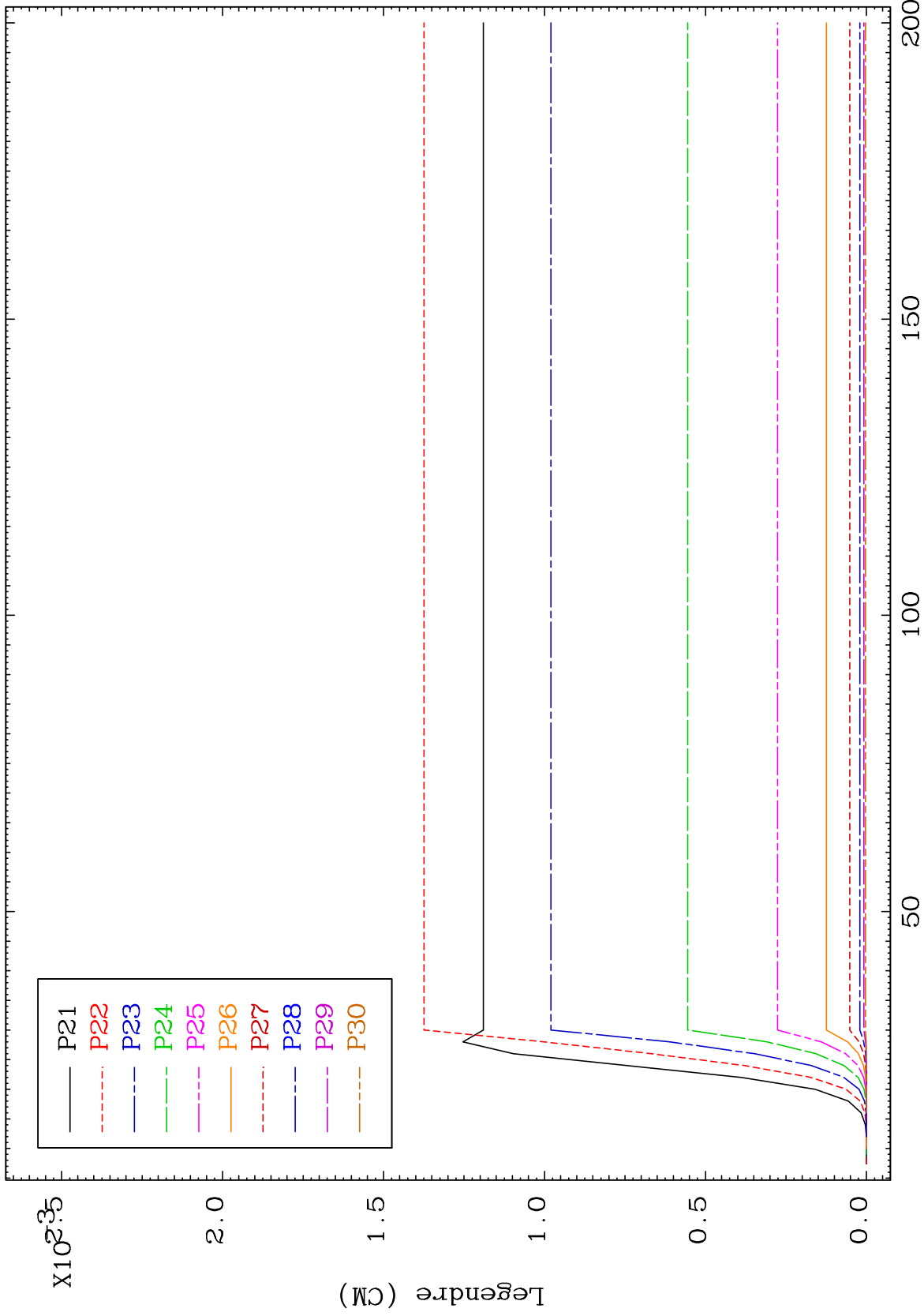
74-W -189



118

Incident Energy (MeV)

74-W -189

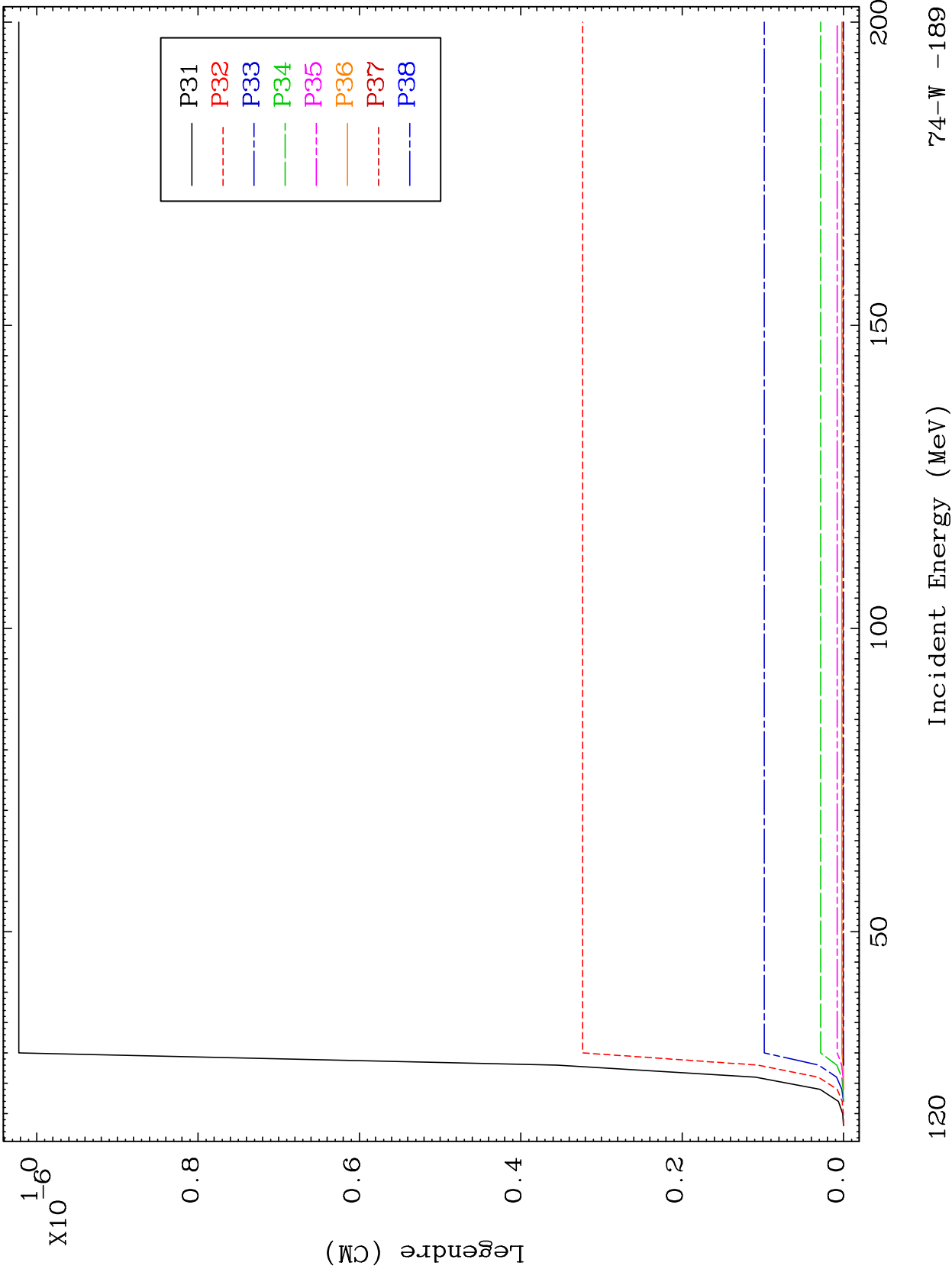




MAT 7452

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

74-W -189

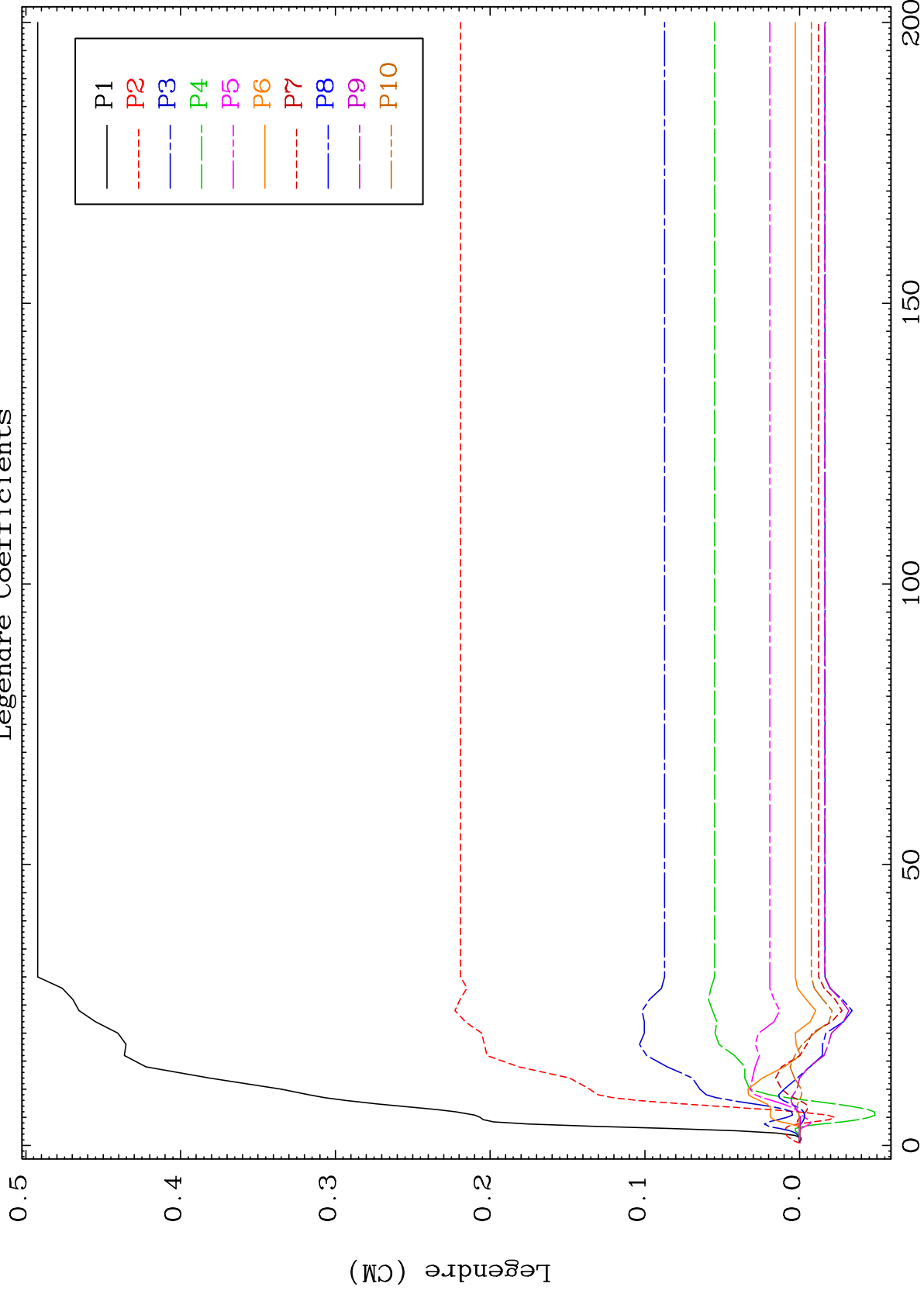


74-W -189

MAT 7452

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

74-W -189



74-W -189

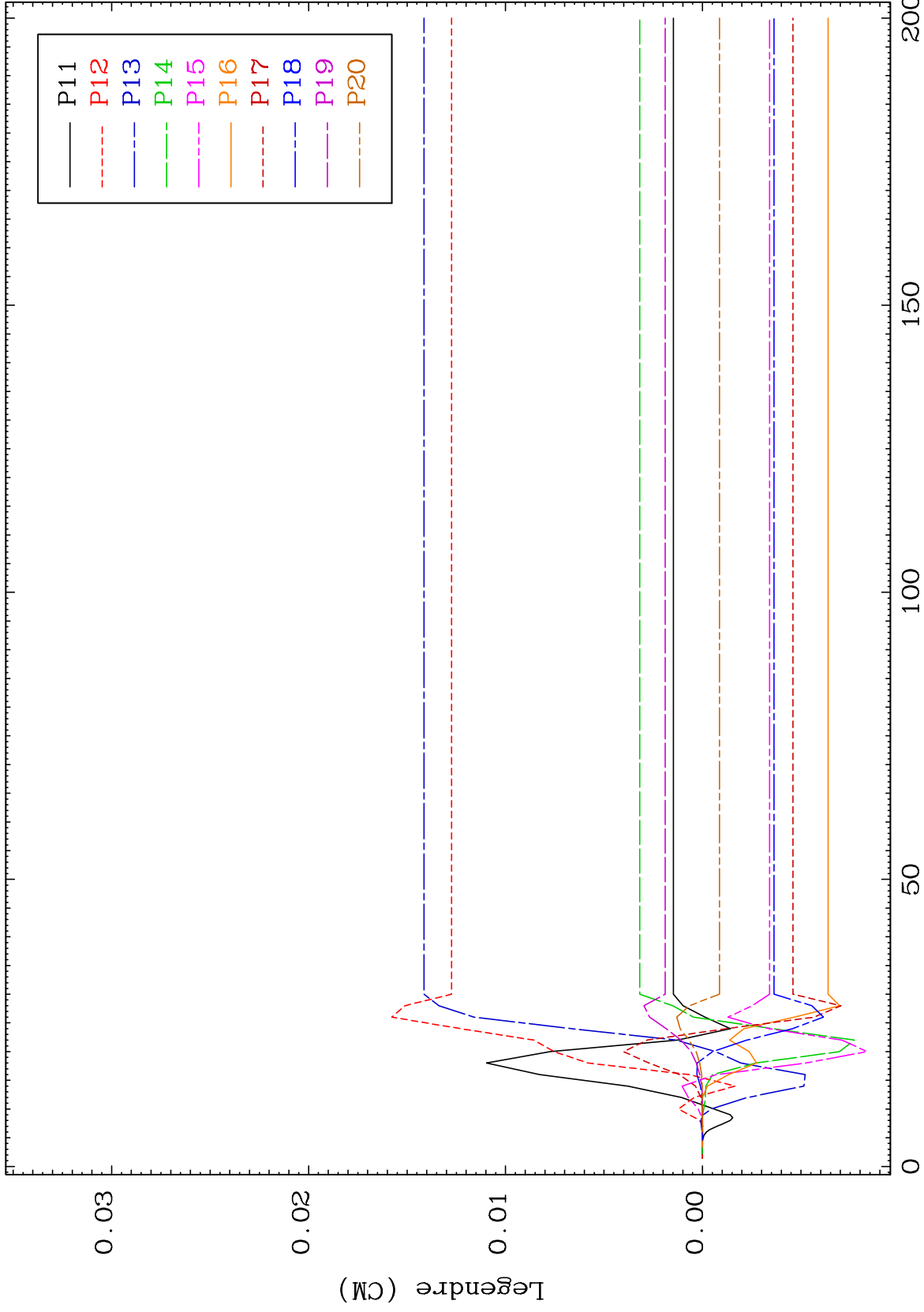
Incident Energy (MeV)

121

MAT 7452

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

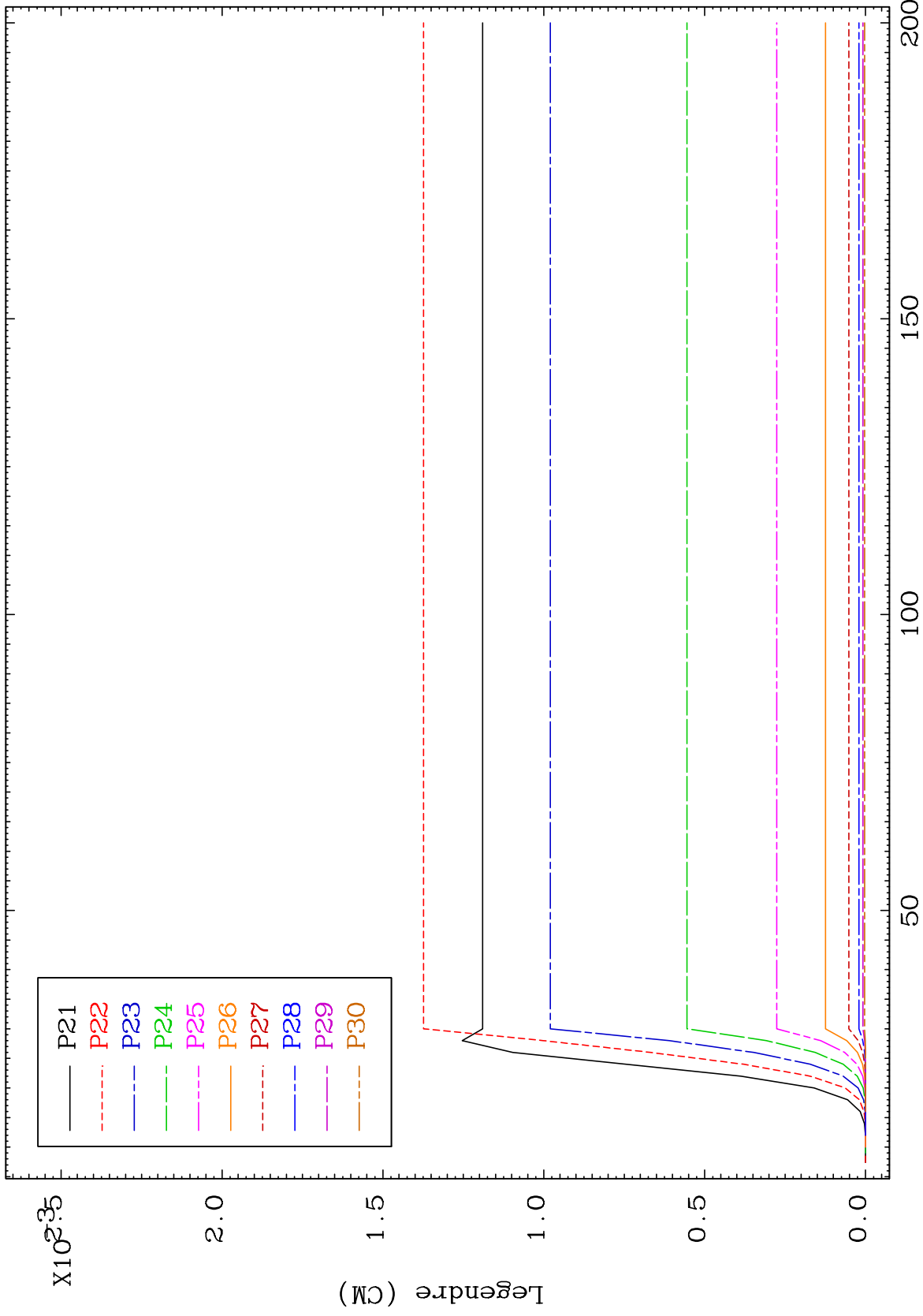
74-W -189



122

Incident Energy (MeV)

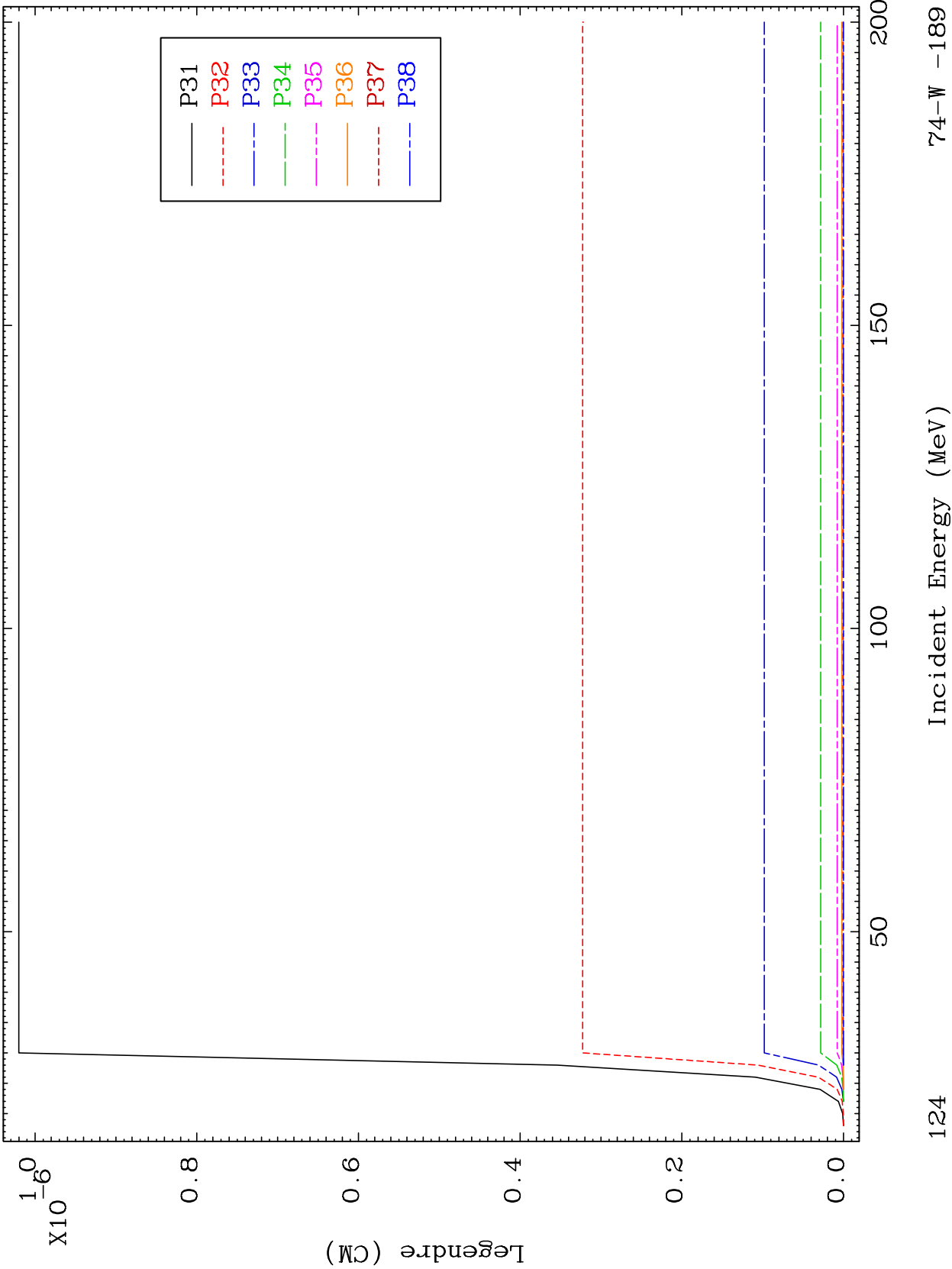
74-W -189



MAT 7452

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

74-W -189



124

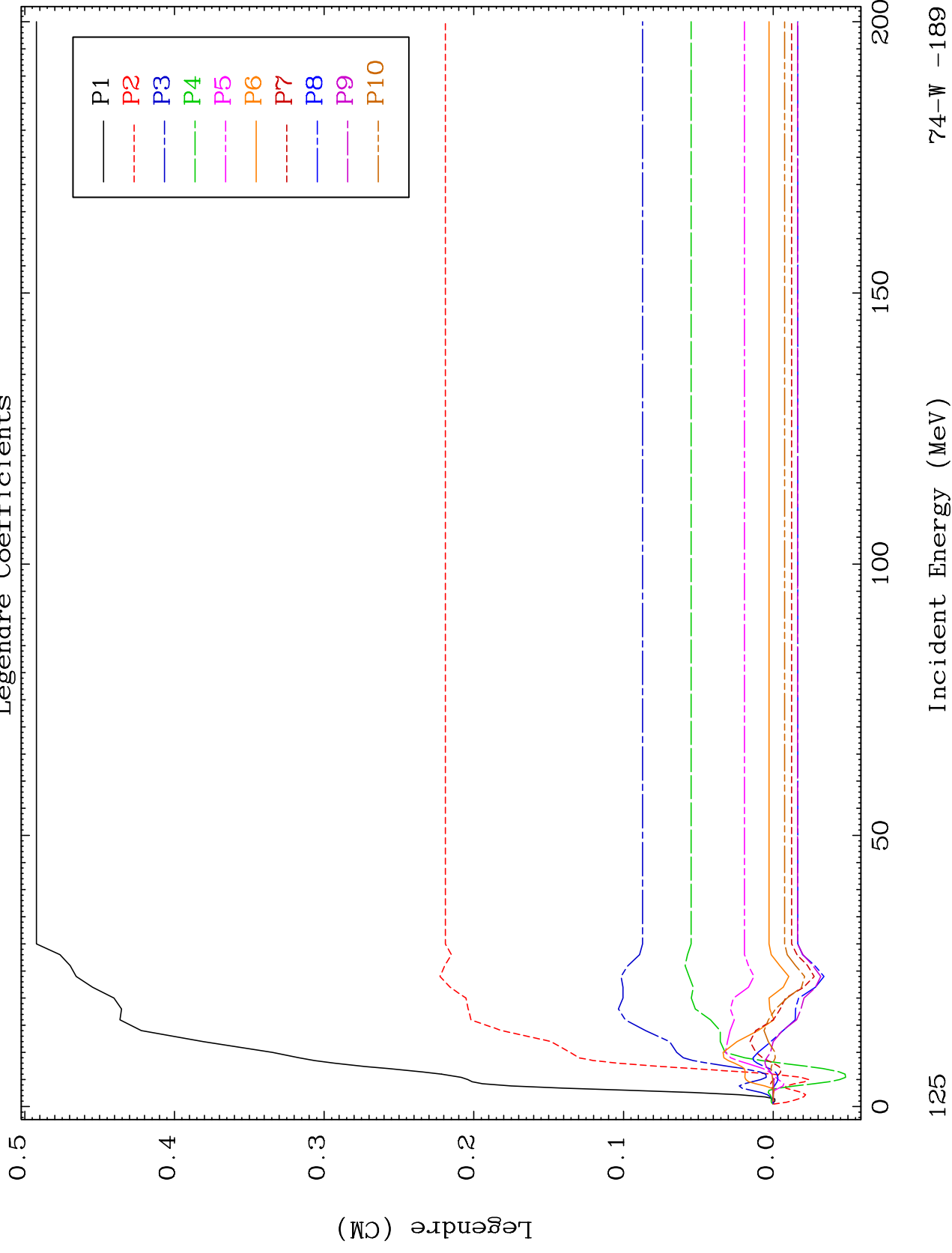
Incident Energy (MeV)

74-W -189

MAT 7452

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

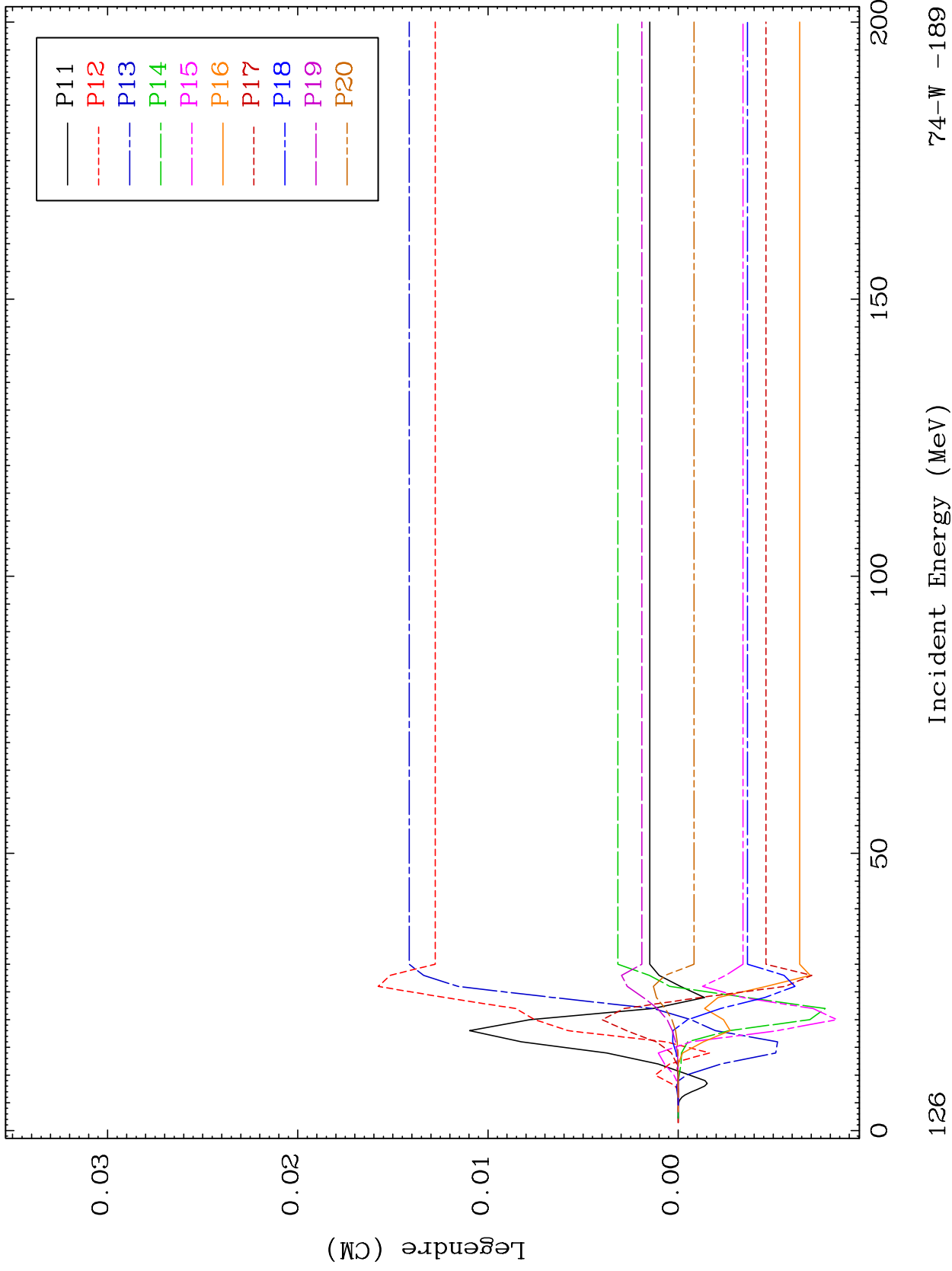
74-W -189



MAT 7452

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

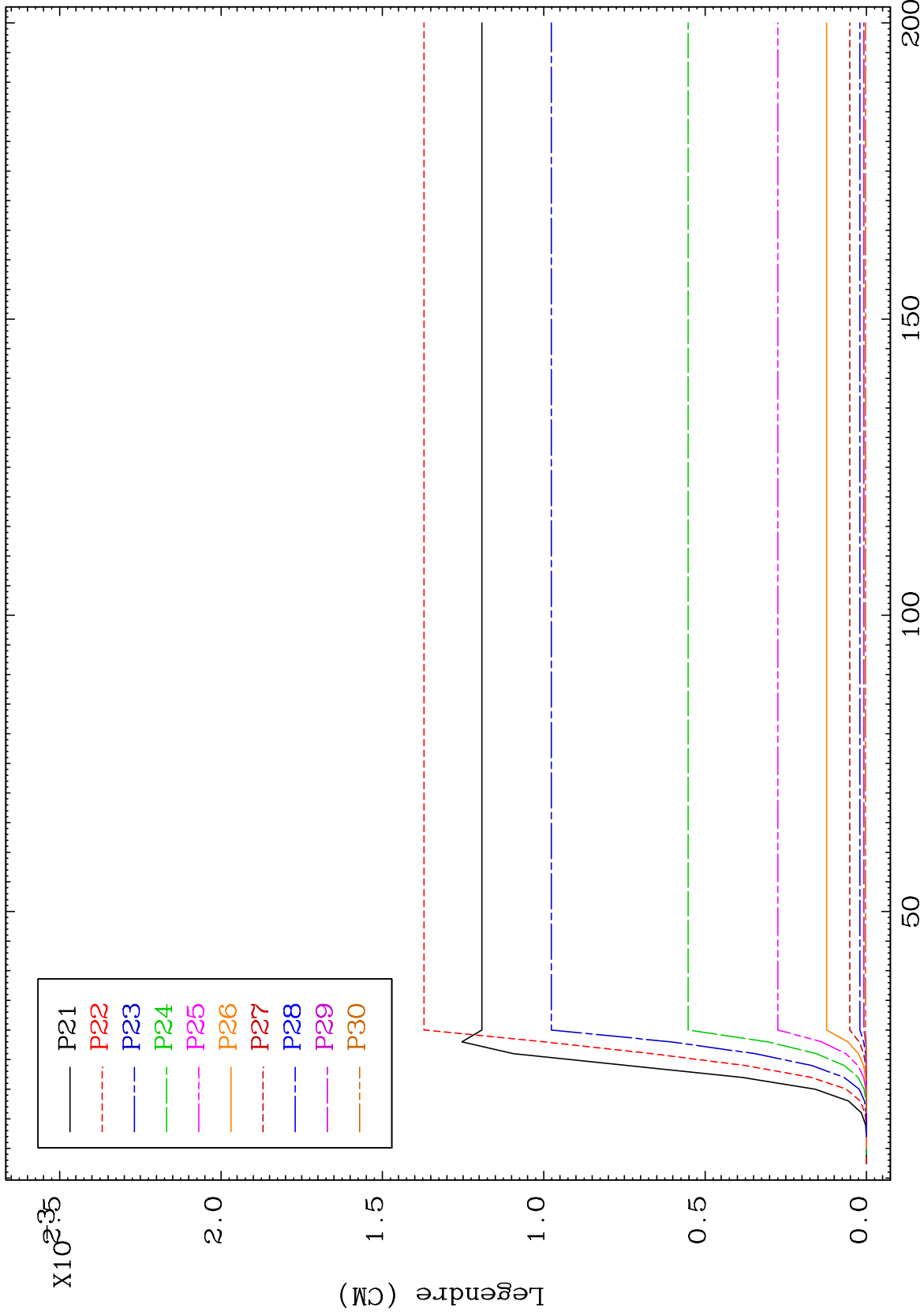
74-W -189



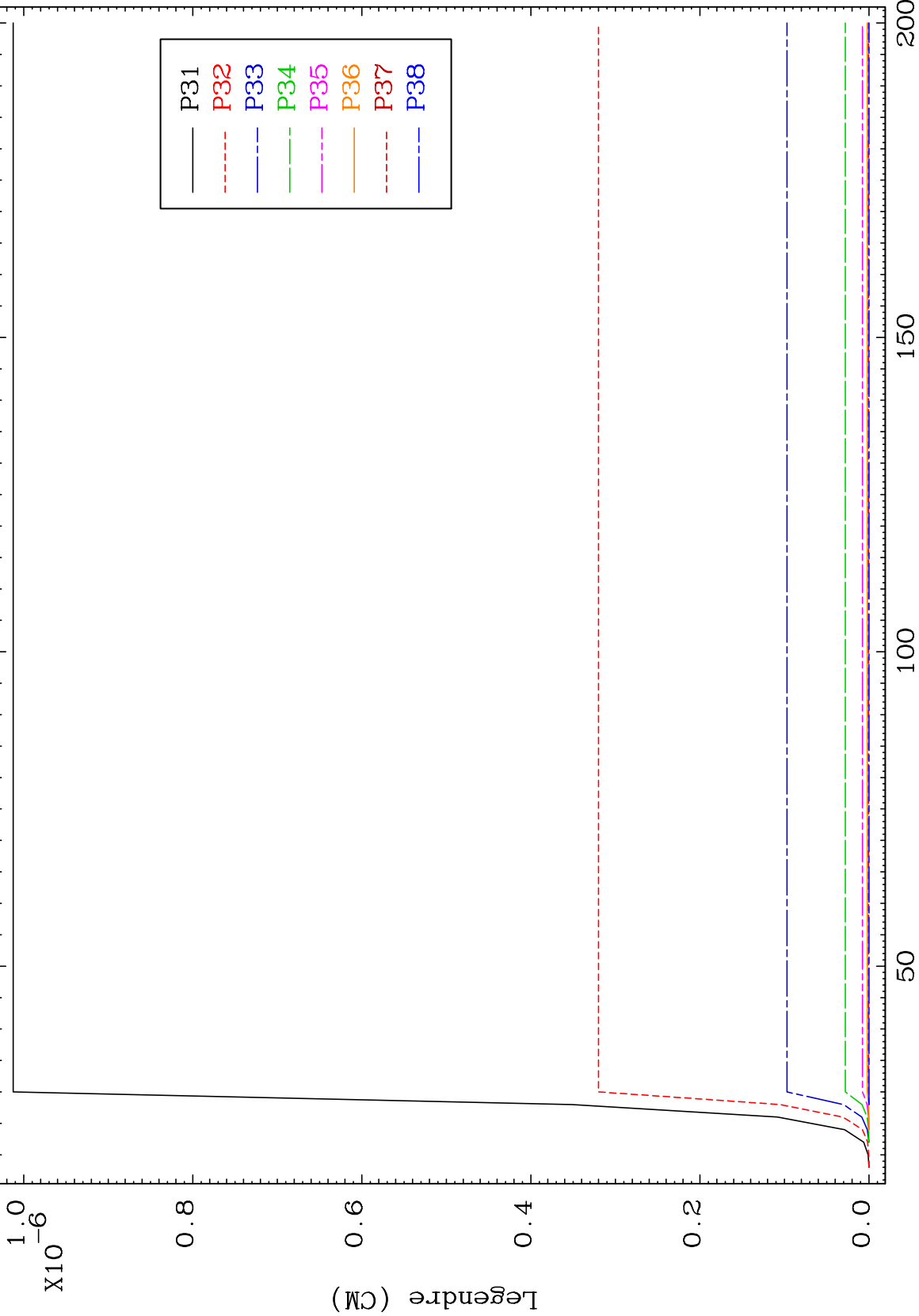
126

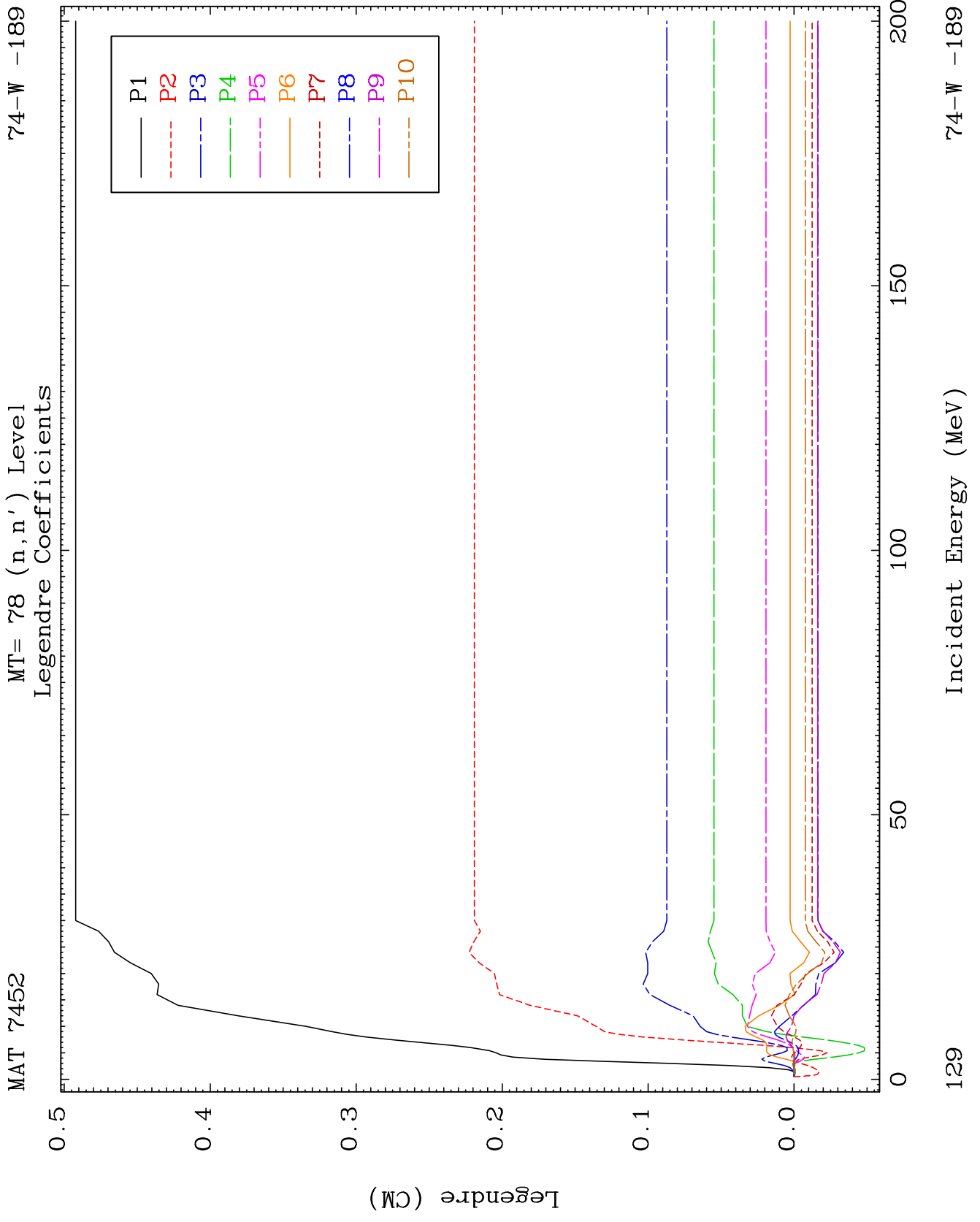
Incident Energy (MeV)

74-W -189





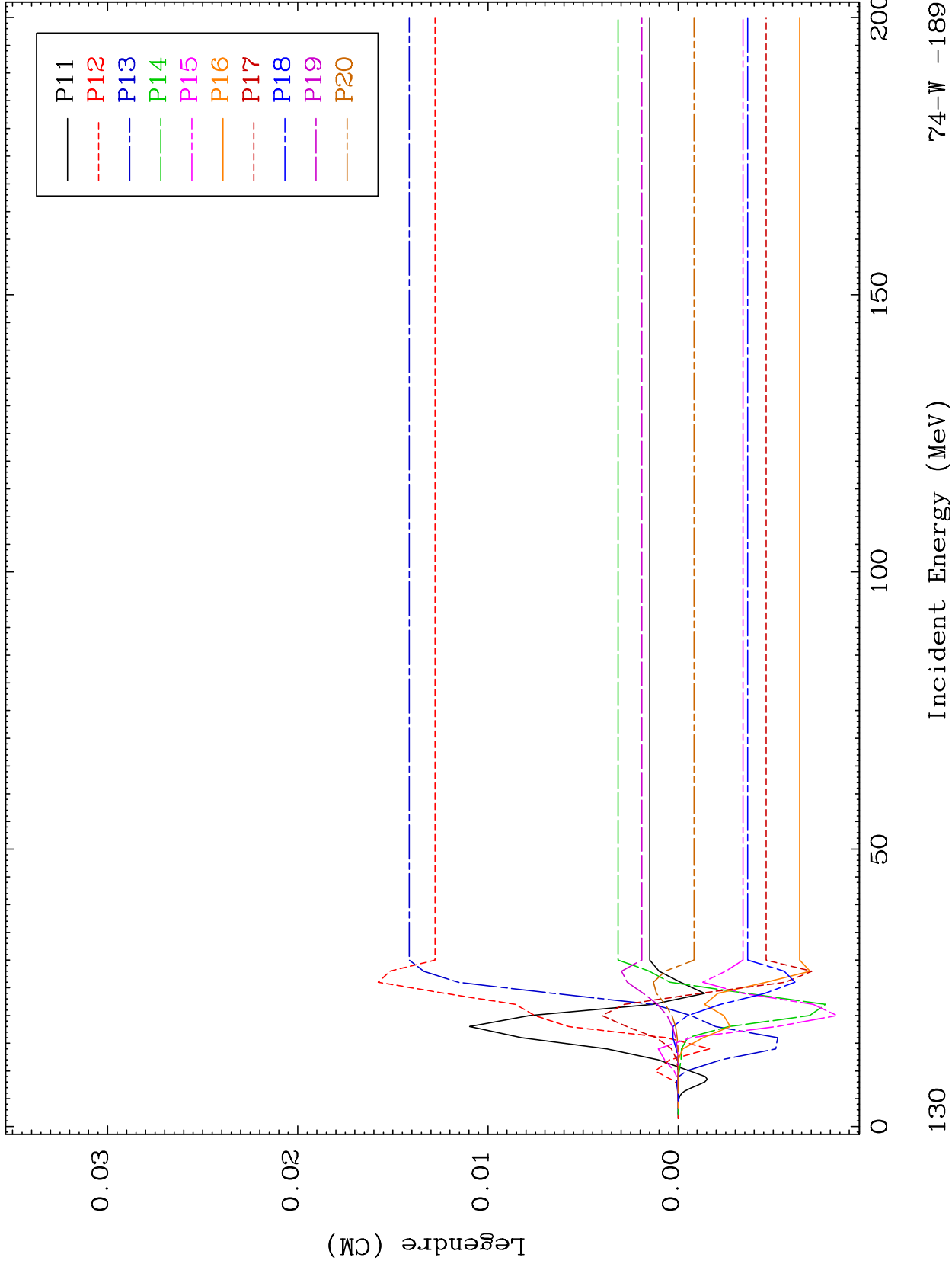




MAT 7452

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

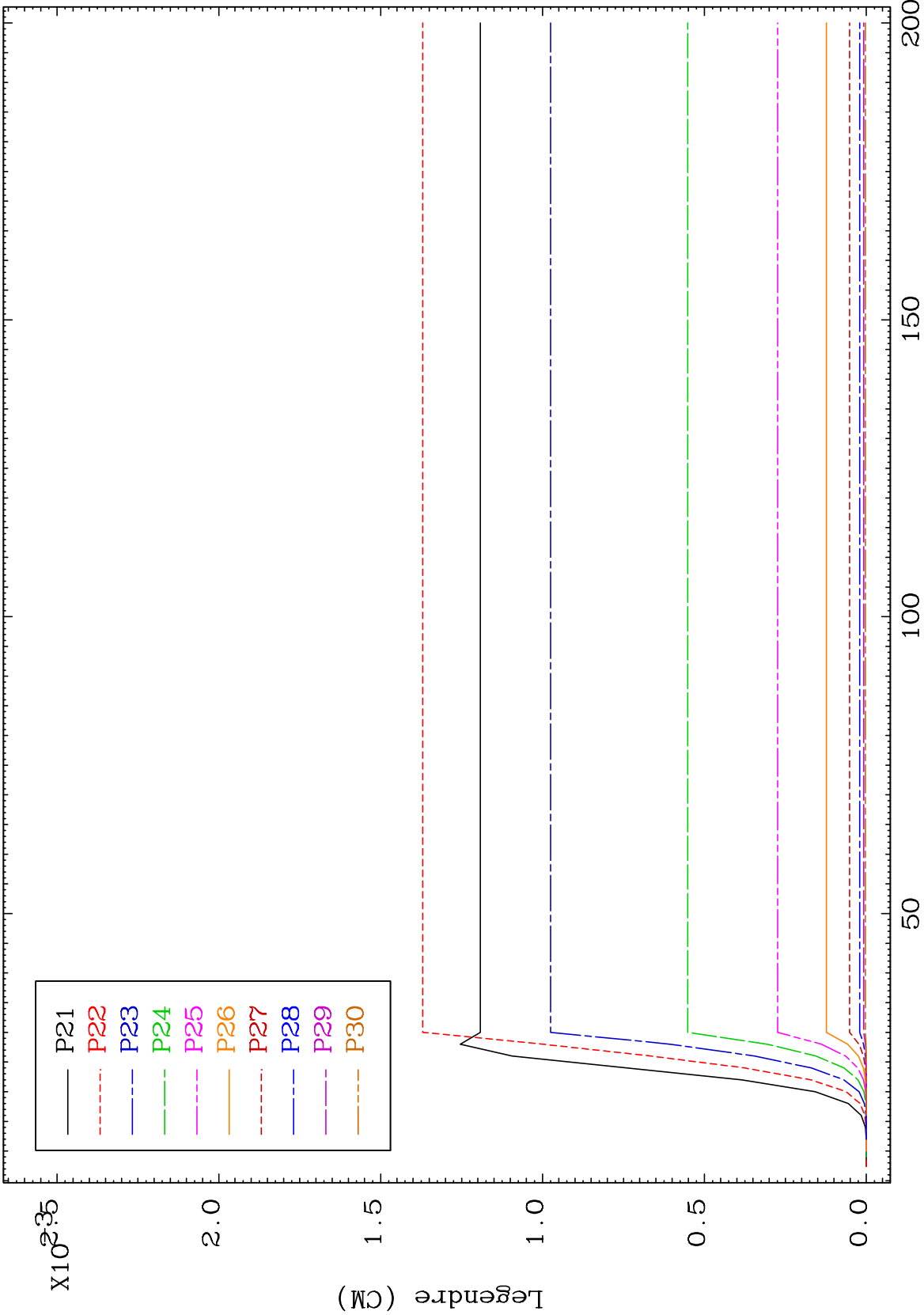
74-W -189

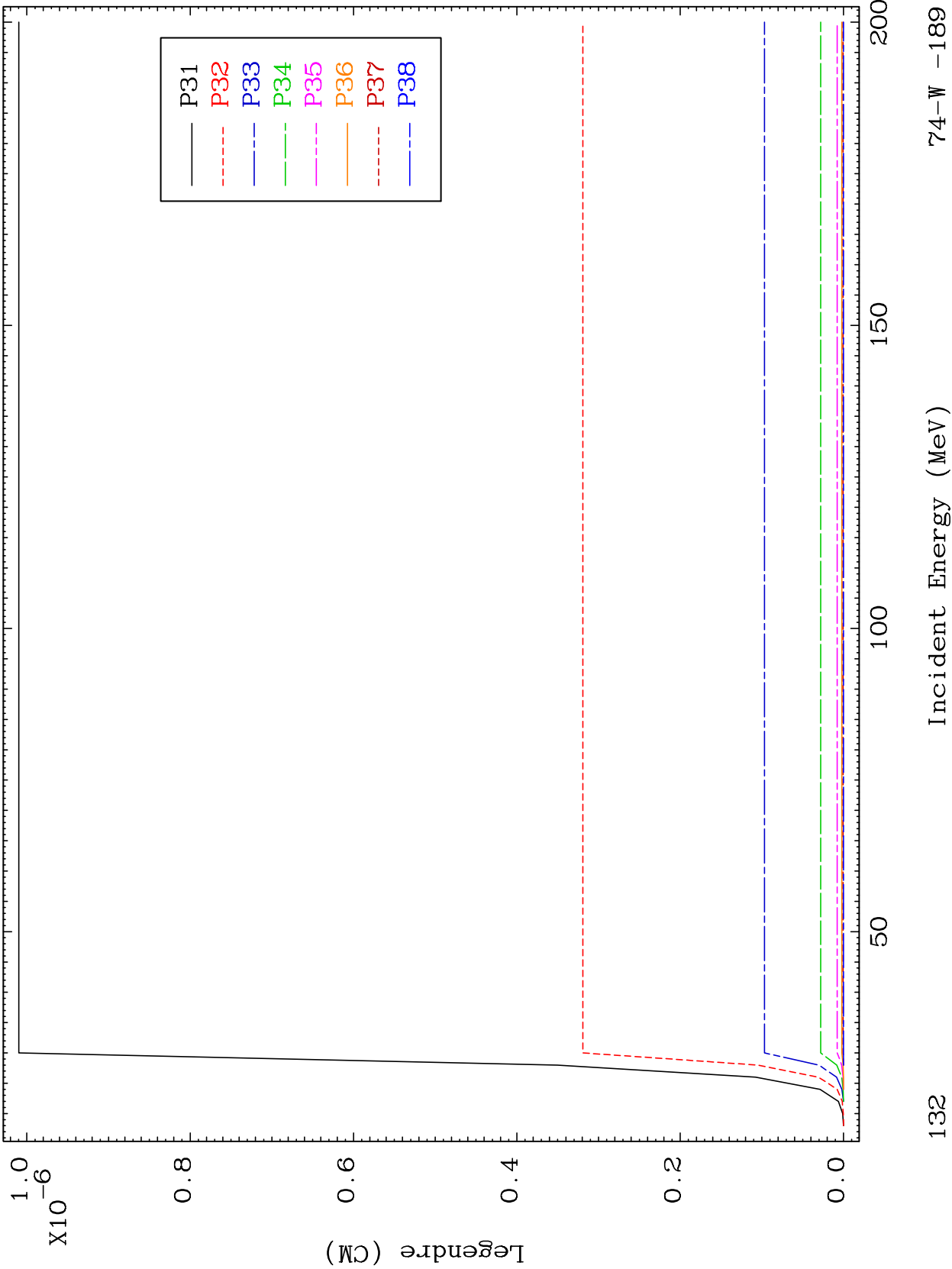


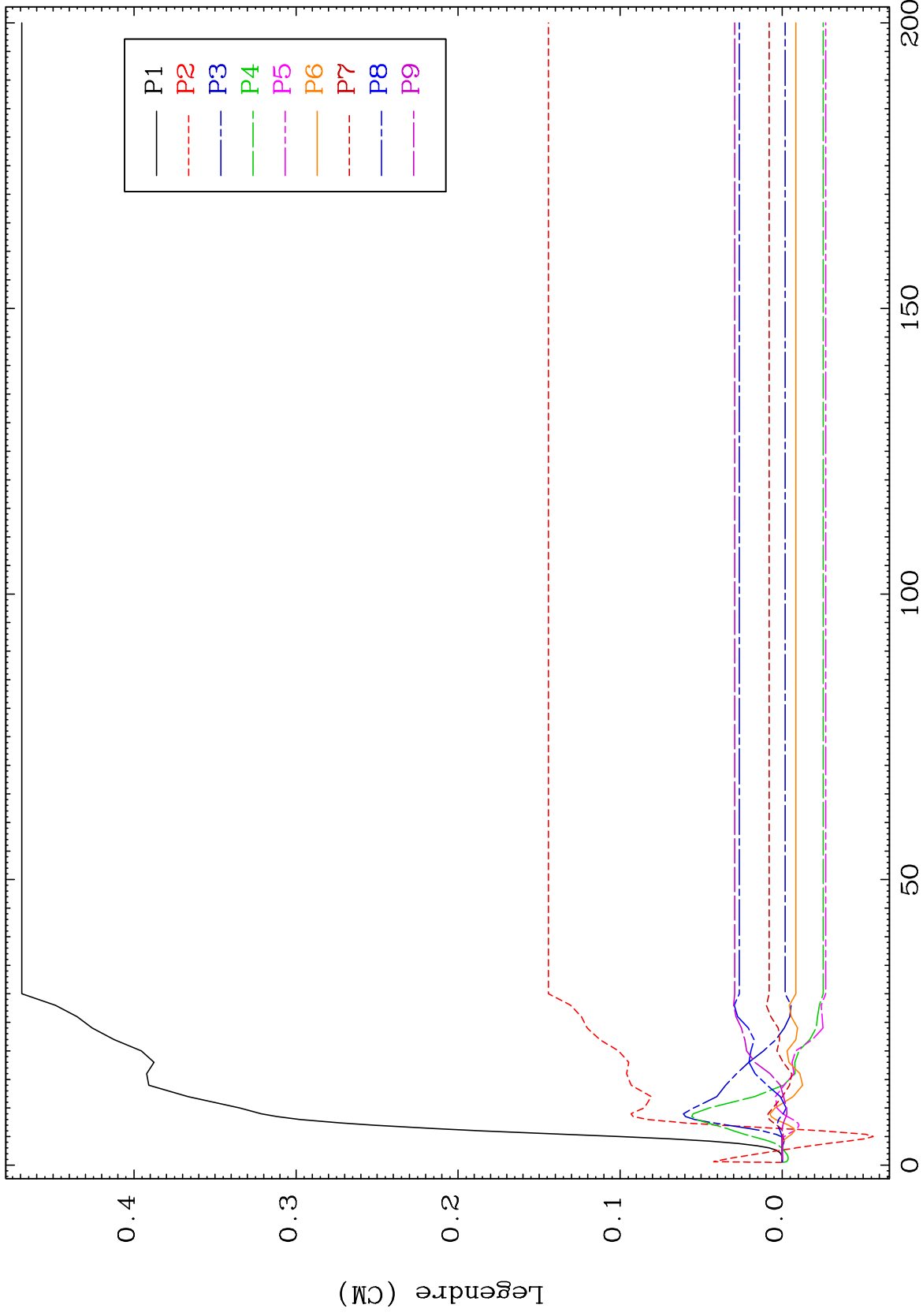
74-W -189

Incident Energy (MeV)

130



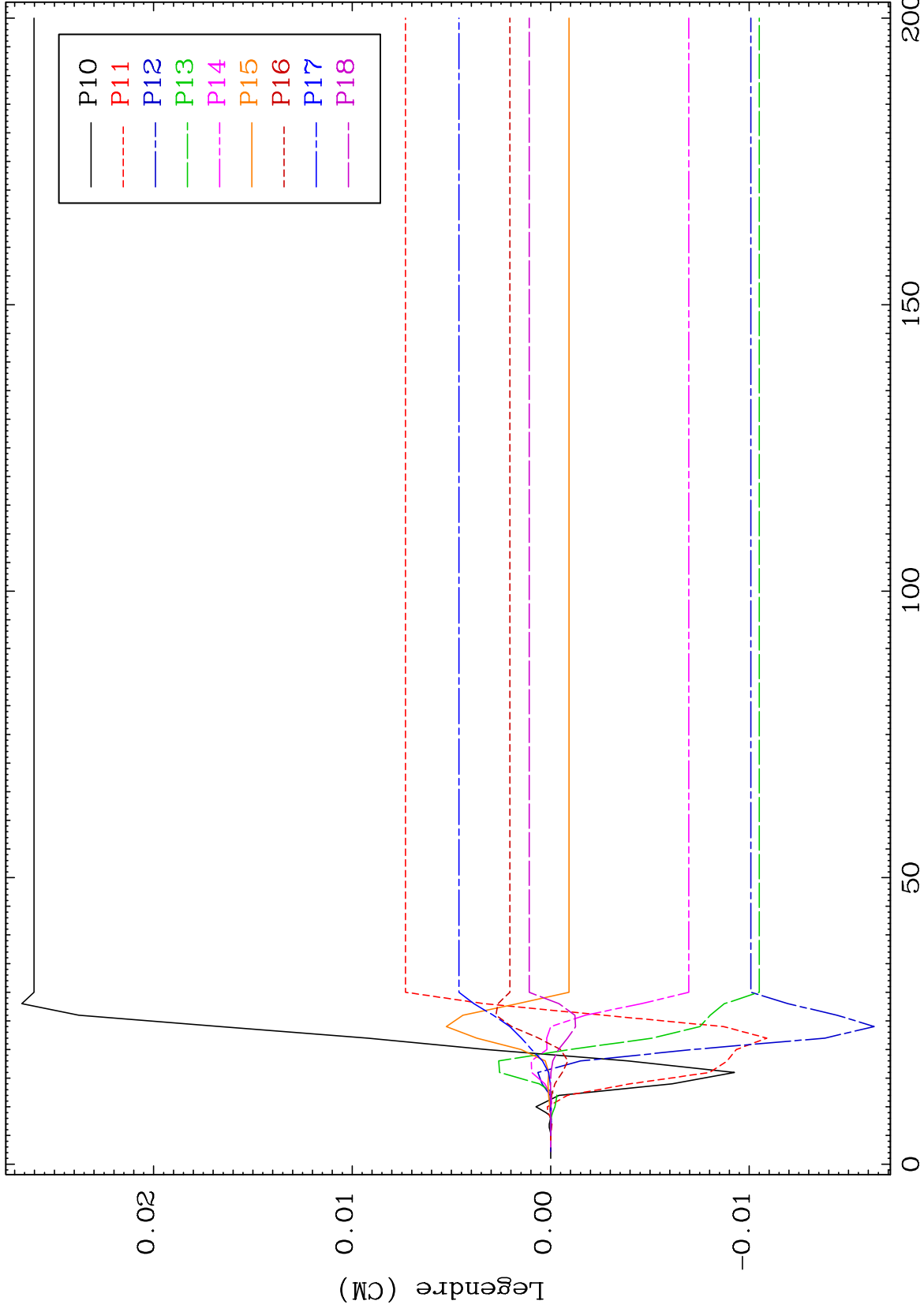




MAT 7452

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

74-W -189



134

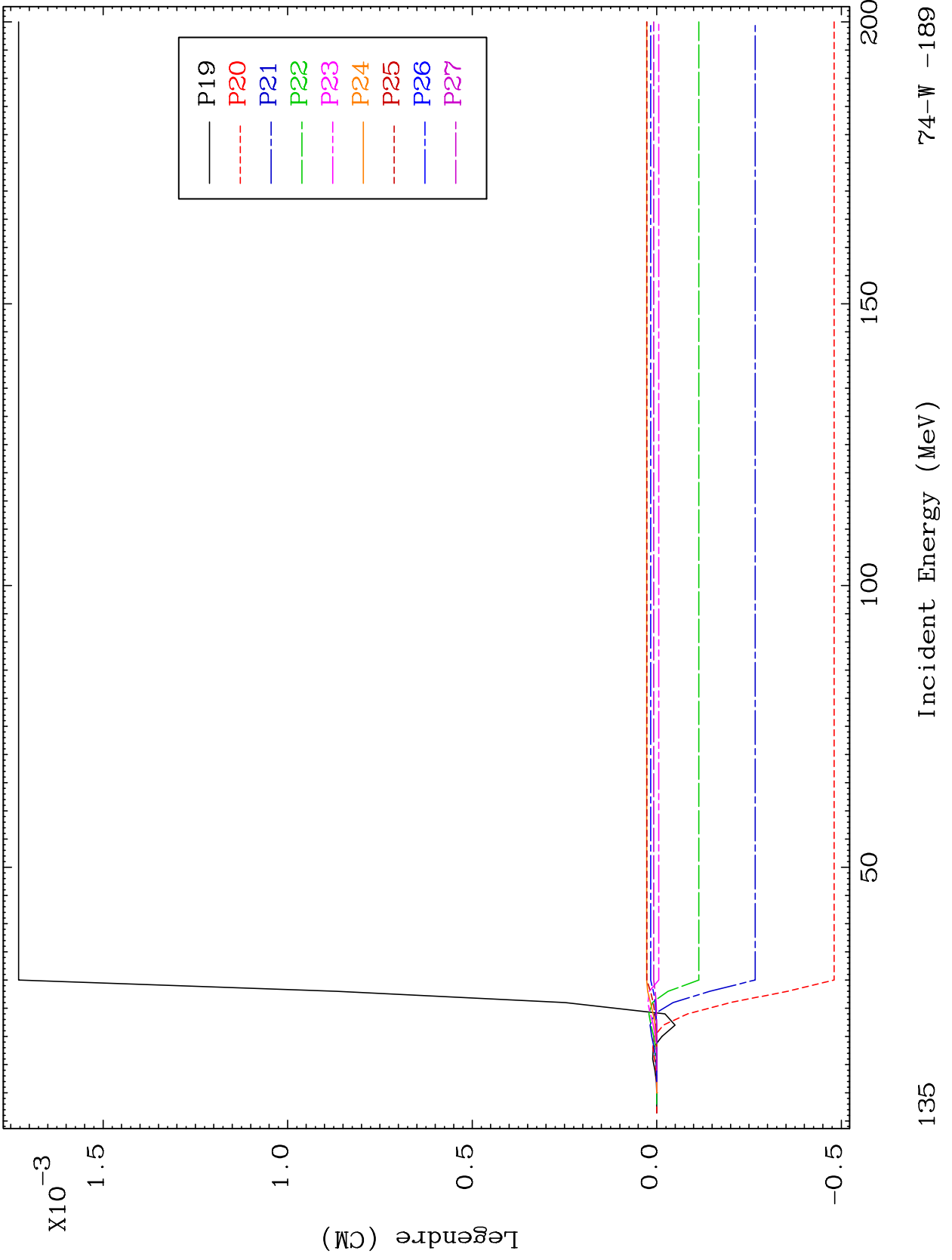
Incident Energy (MeV)

74-W -189

MAT 7452

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

74-W -189

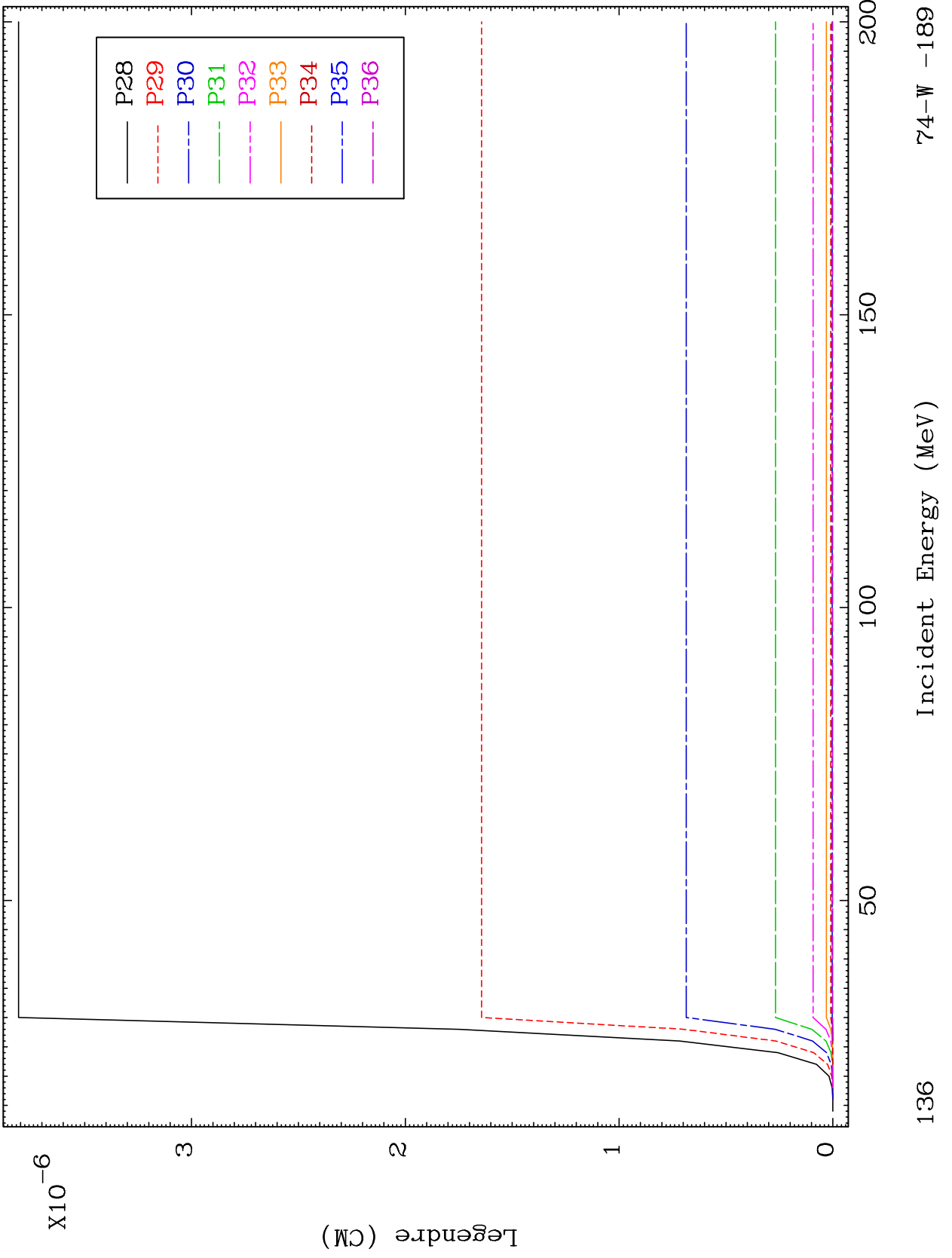




MAT 7452

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

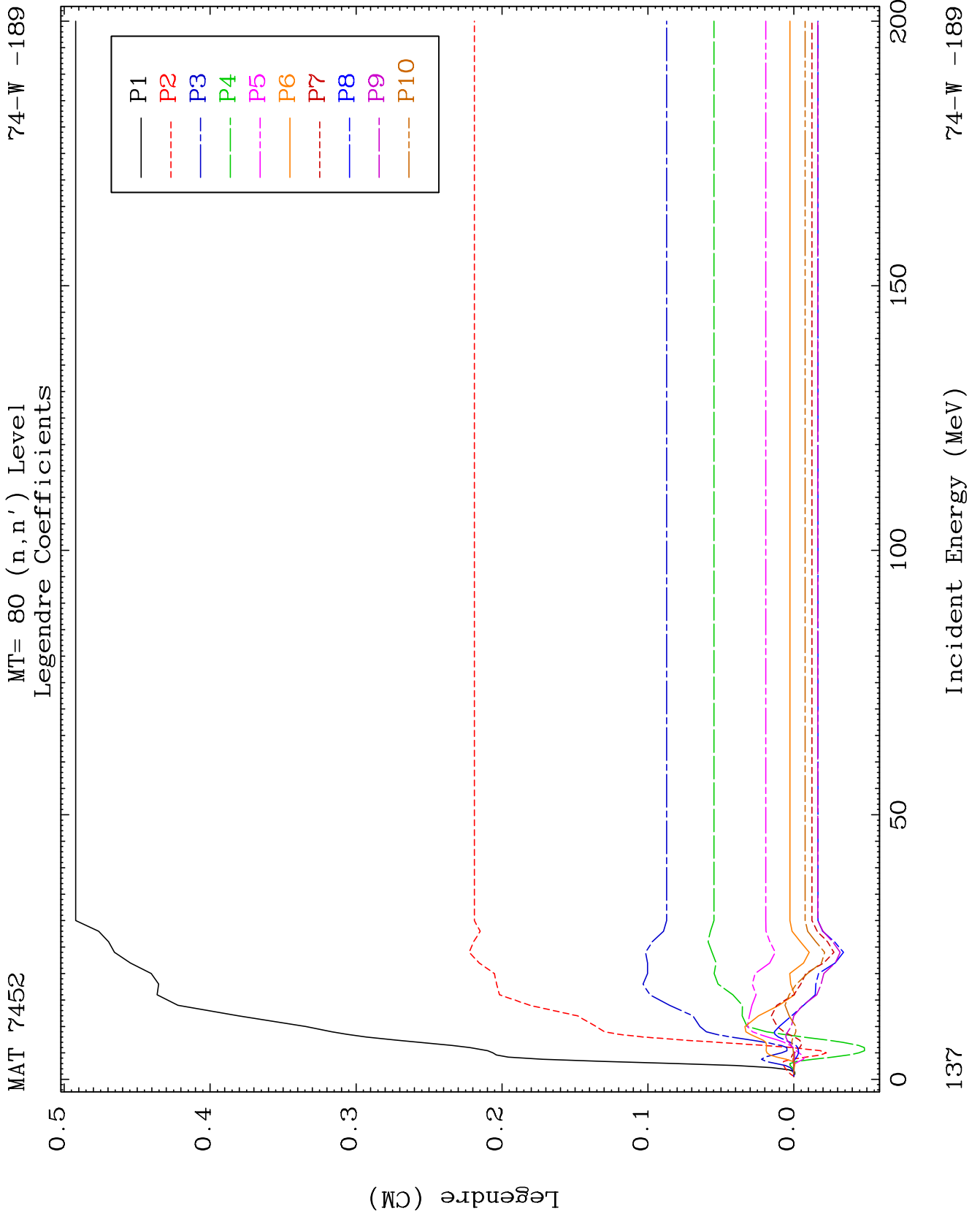
74-W -189



136

Incident Energy (MeV)

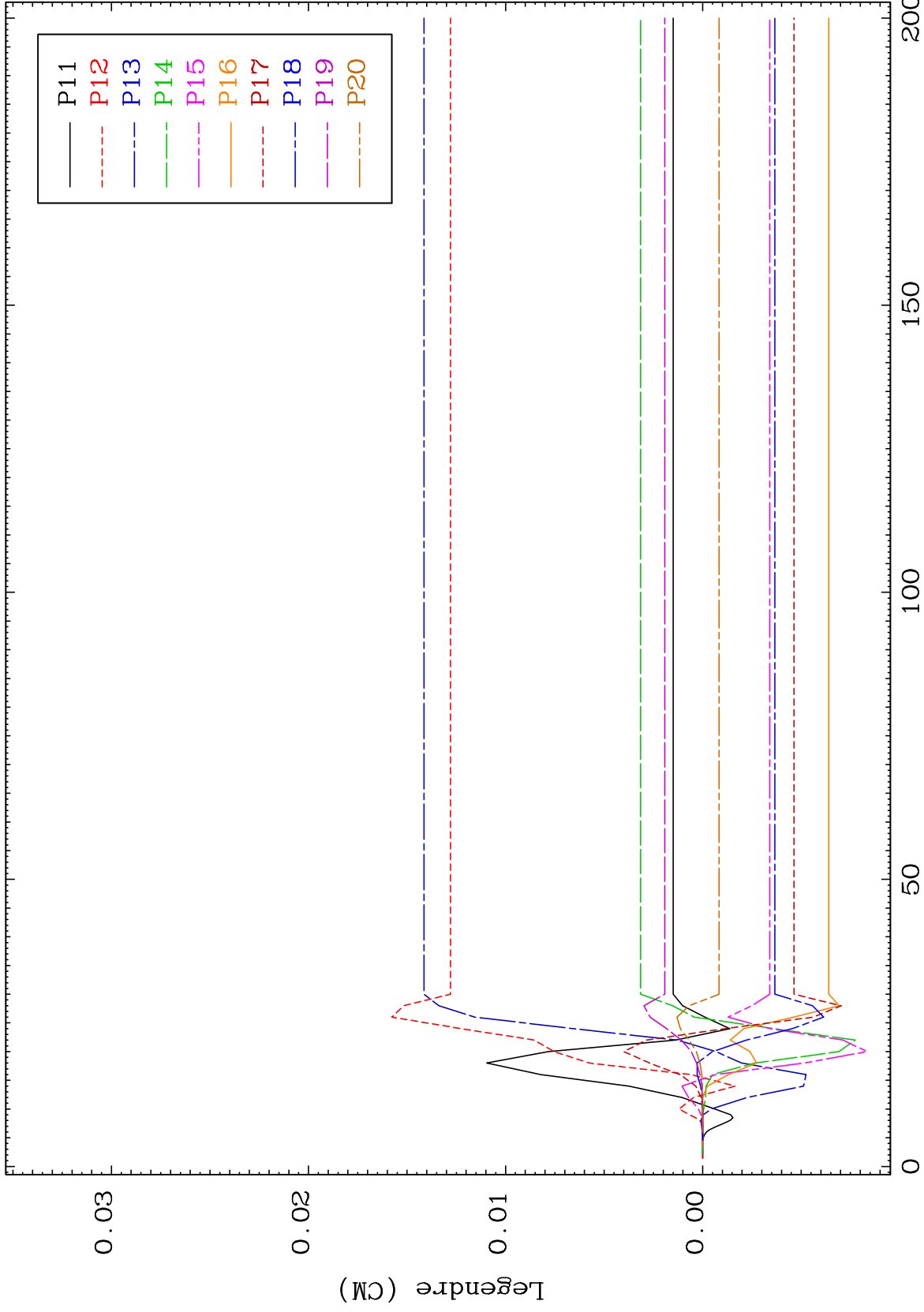
74-W -189



MAT 7452

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

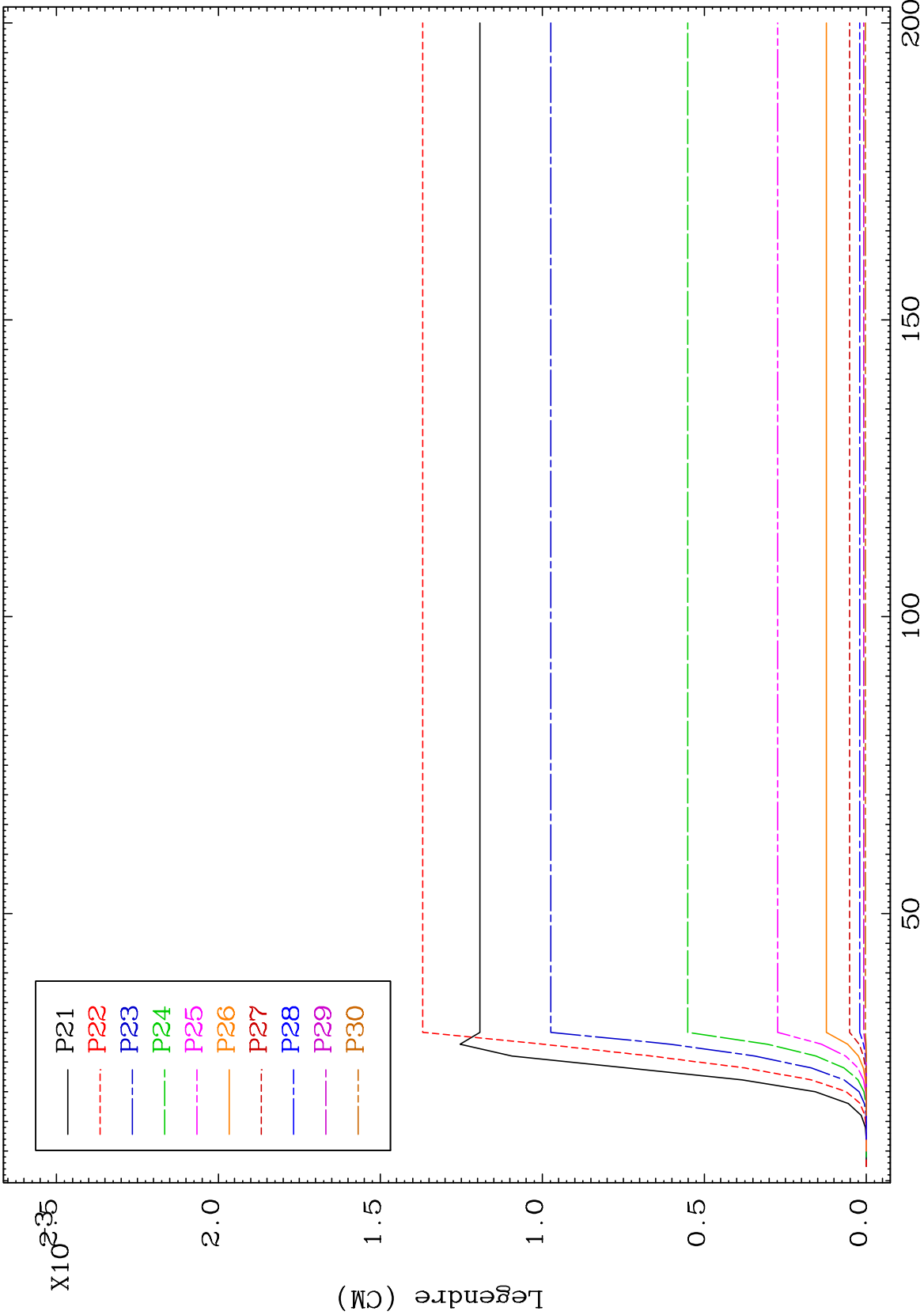
74-W -189



138

Incident Energy (MeV)

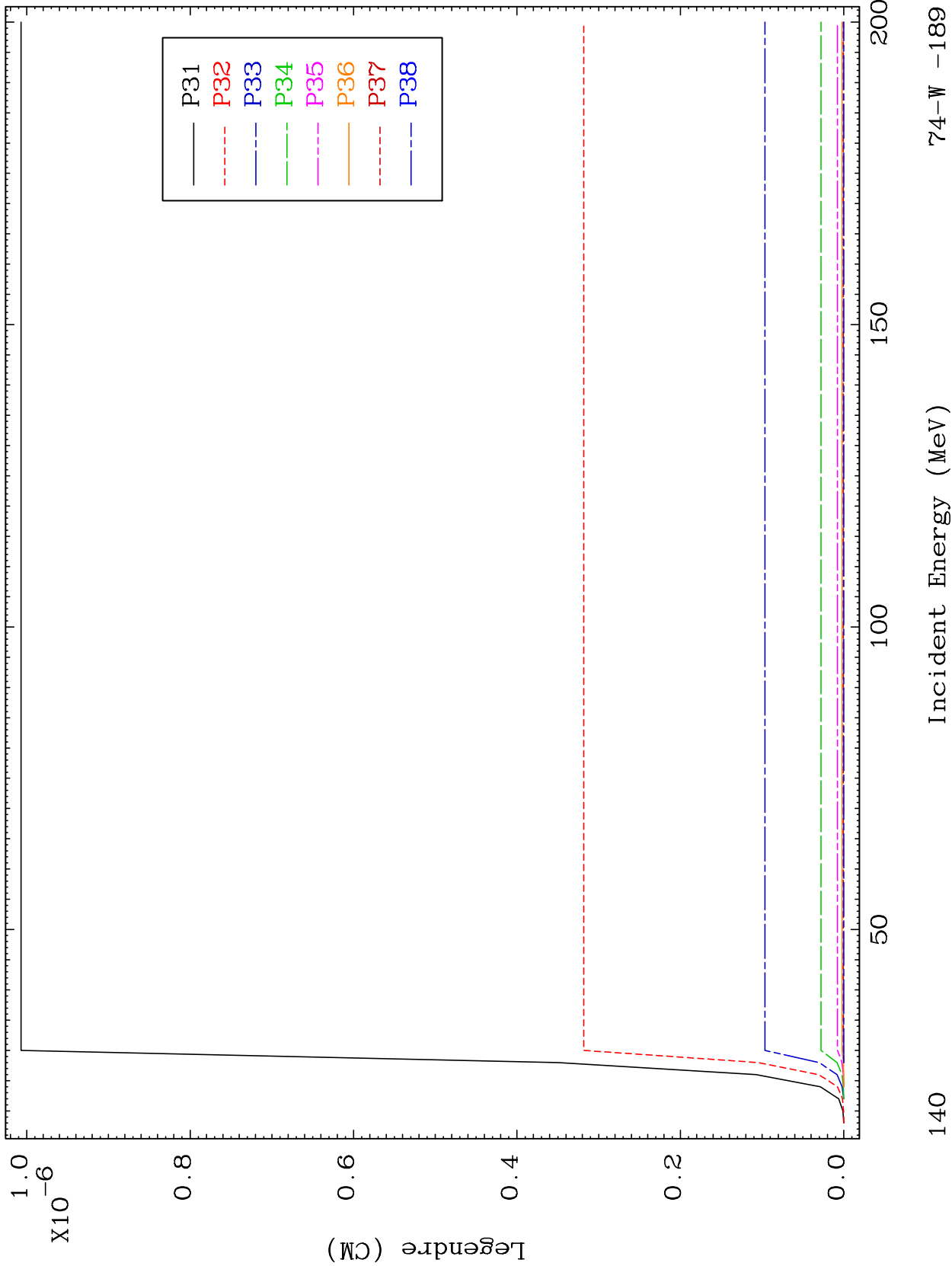
74-W -189



MAT 7452

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

74-W -189



140

Incident Energy (MeV)

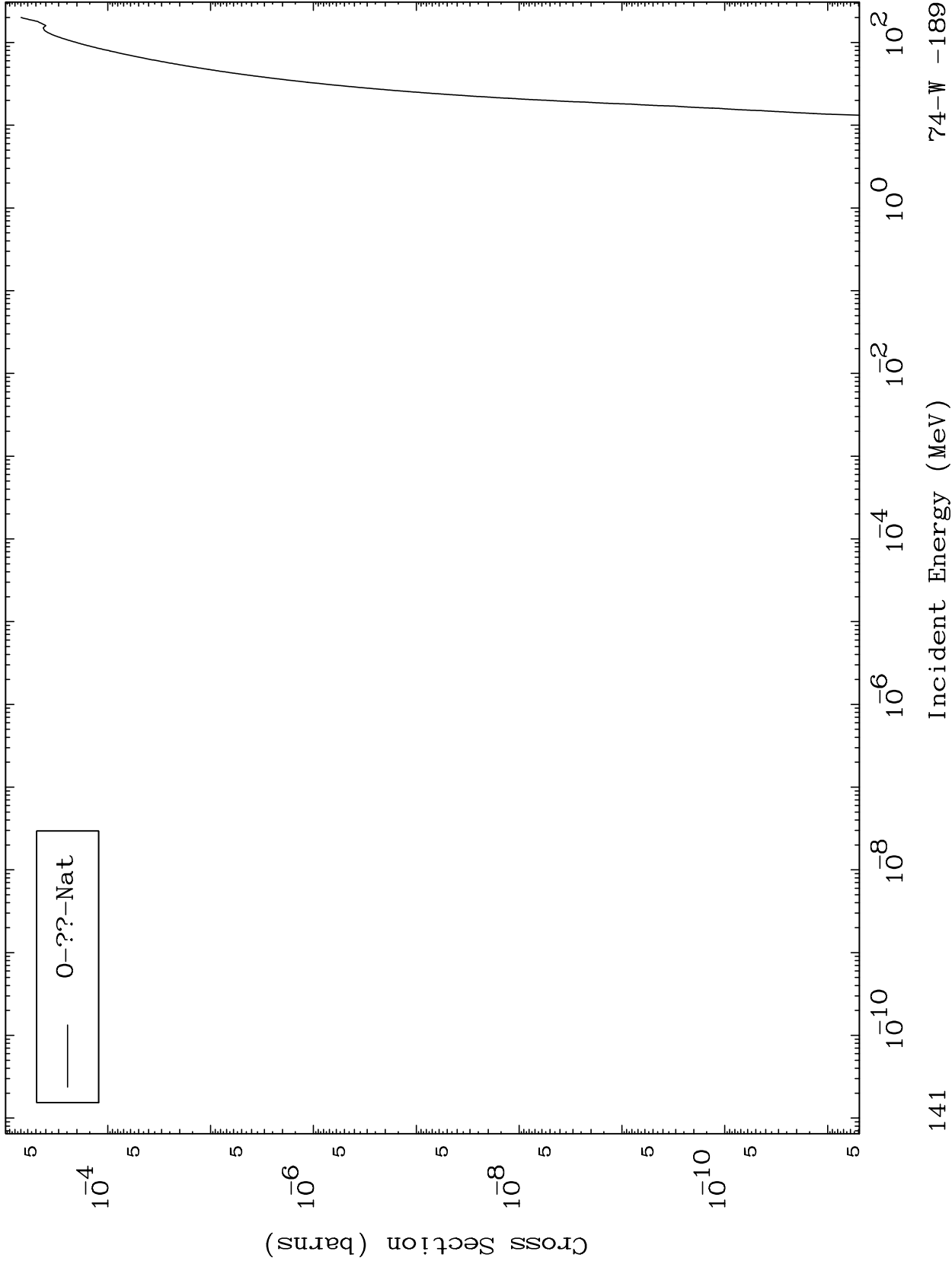
74-W -189

MAT 7452

Fission

74-W -189

Radionuclide Production Cross Section



141

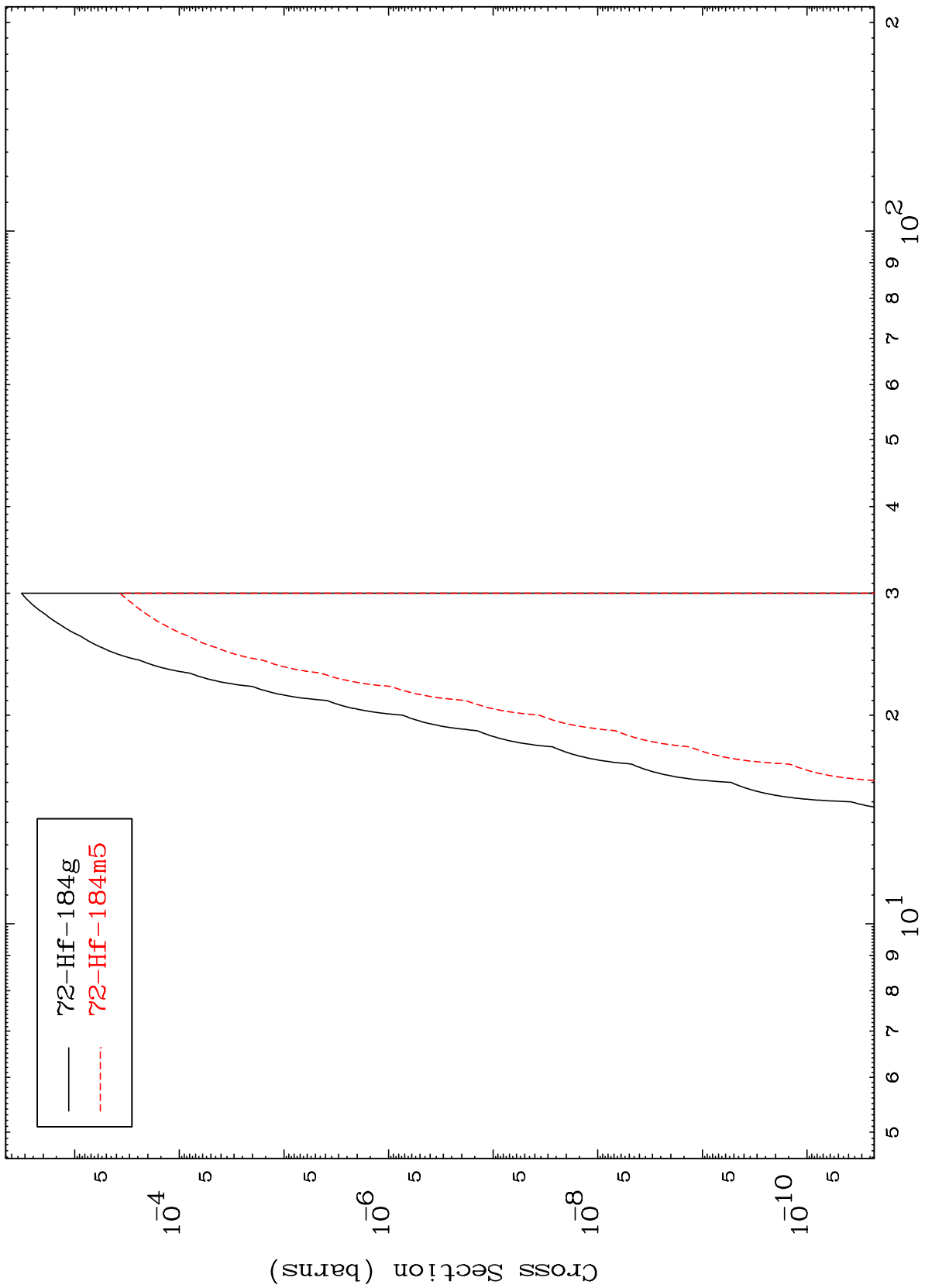
74-W -189

MAT 7452

74-W -189

(n,2n)  $\alpha$

Radionuclide Production Cross Section



— 72-Hf-184g  
- - - 72-Hf-184m5

142

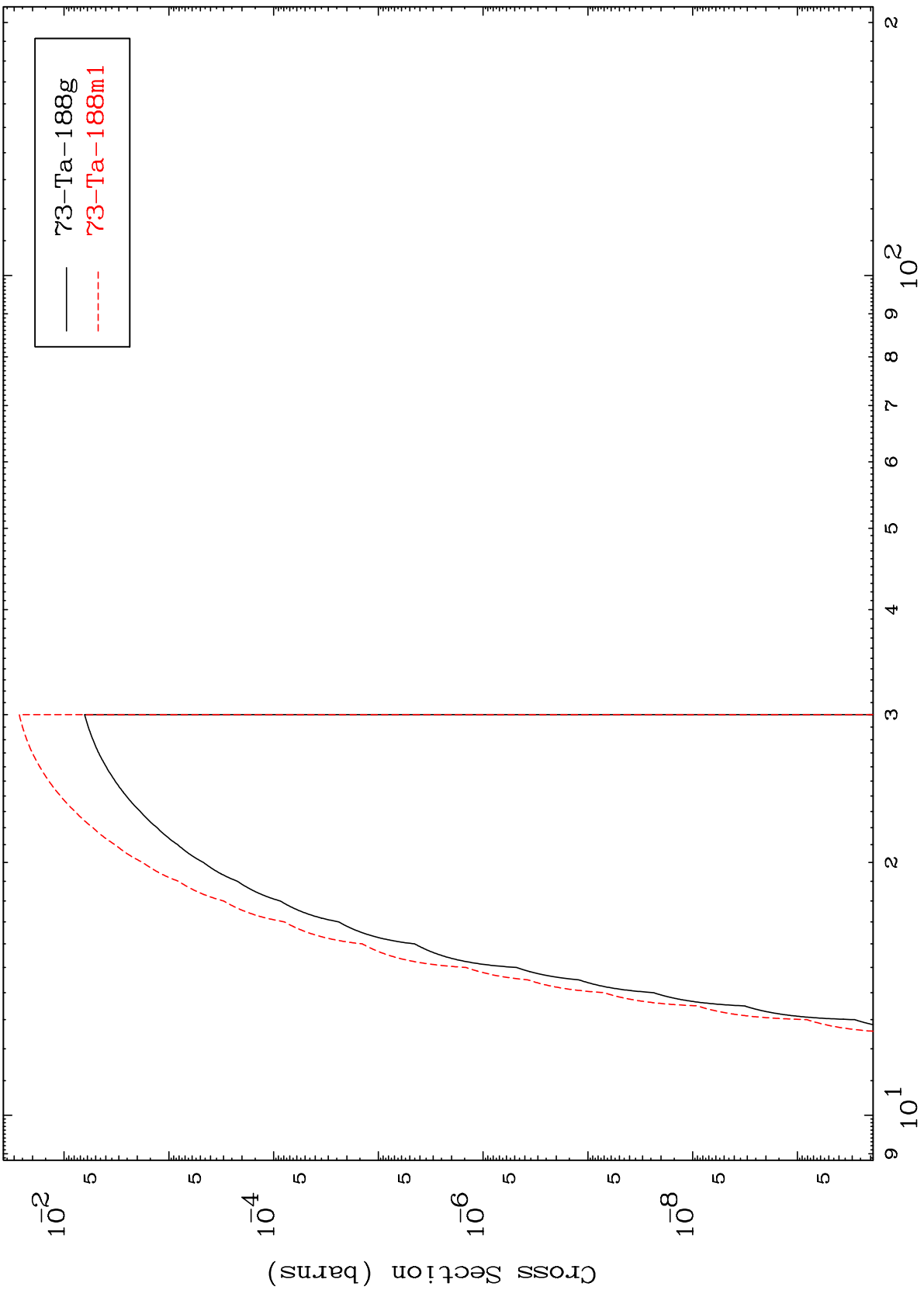
Incident Energy (MeV)

74-W -189

MAT 7452

74-W -189

(n,n') p  
Radionuclide Production Cross Section



—  $^{73}\text{Ta-188g}$   
- - -  $^{73}\text{Ta-188m1}$

74-W -189

Incident Energy (MeV)

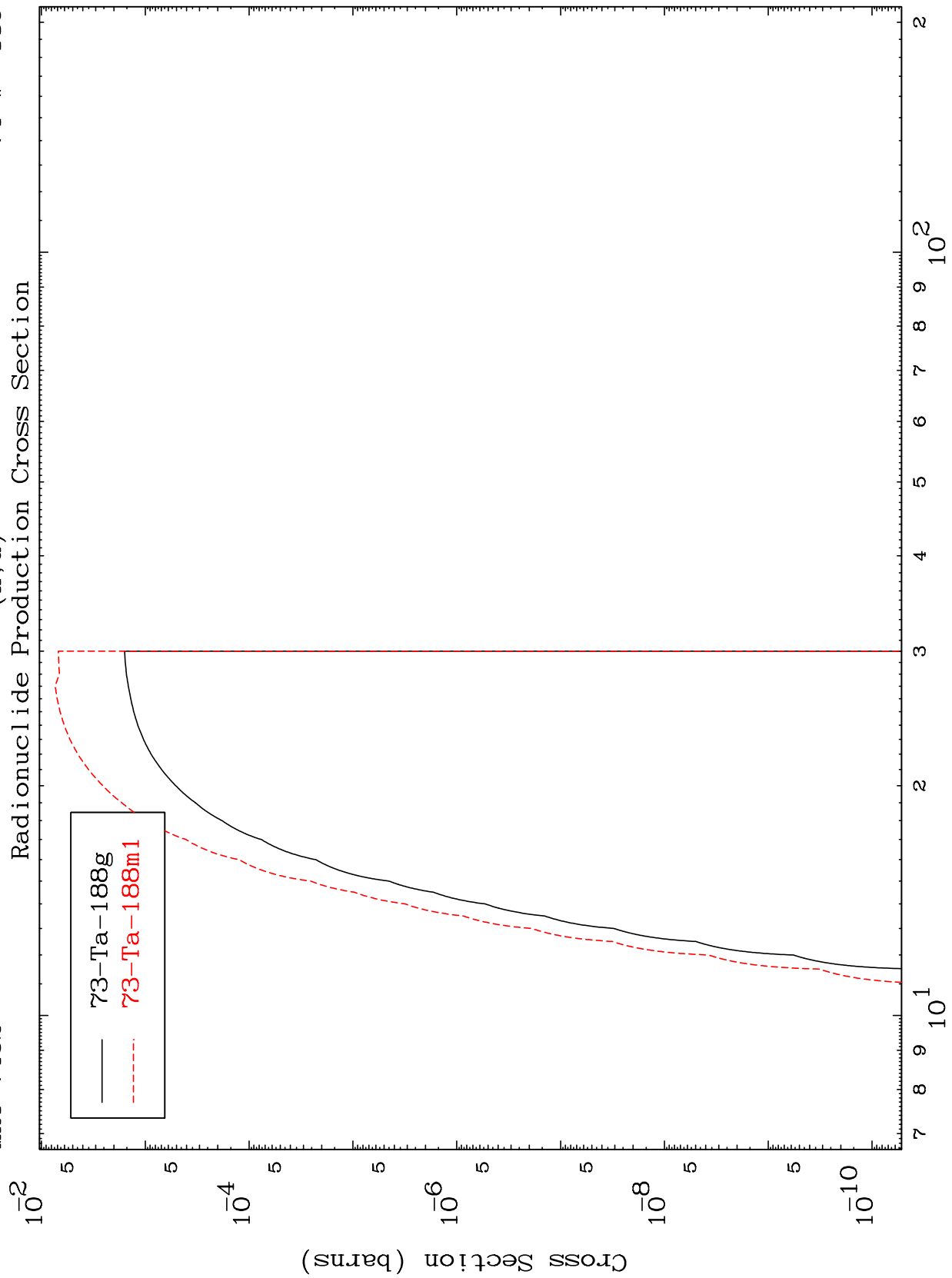
143



MAT 7452

74-W -189

(n,d)  
Radionuclide Production Cross Section



—  $^{73}\text{Ta-188g}$   
- - -  $^{73}\text{Ta-188m1}$

144

Incident Energy (MeV)

74-W -189