

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

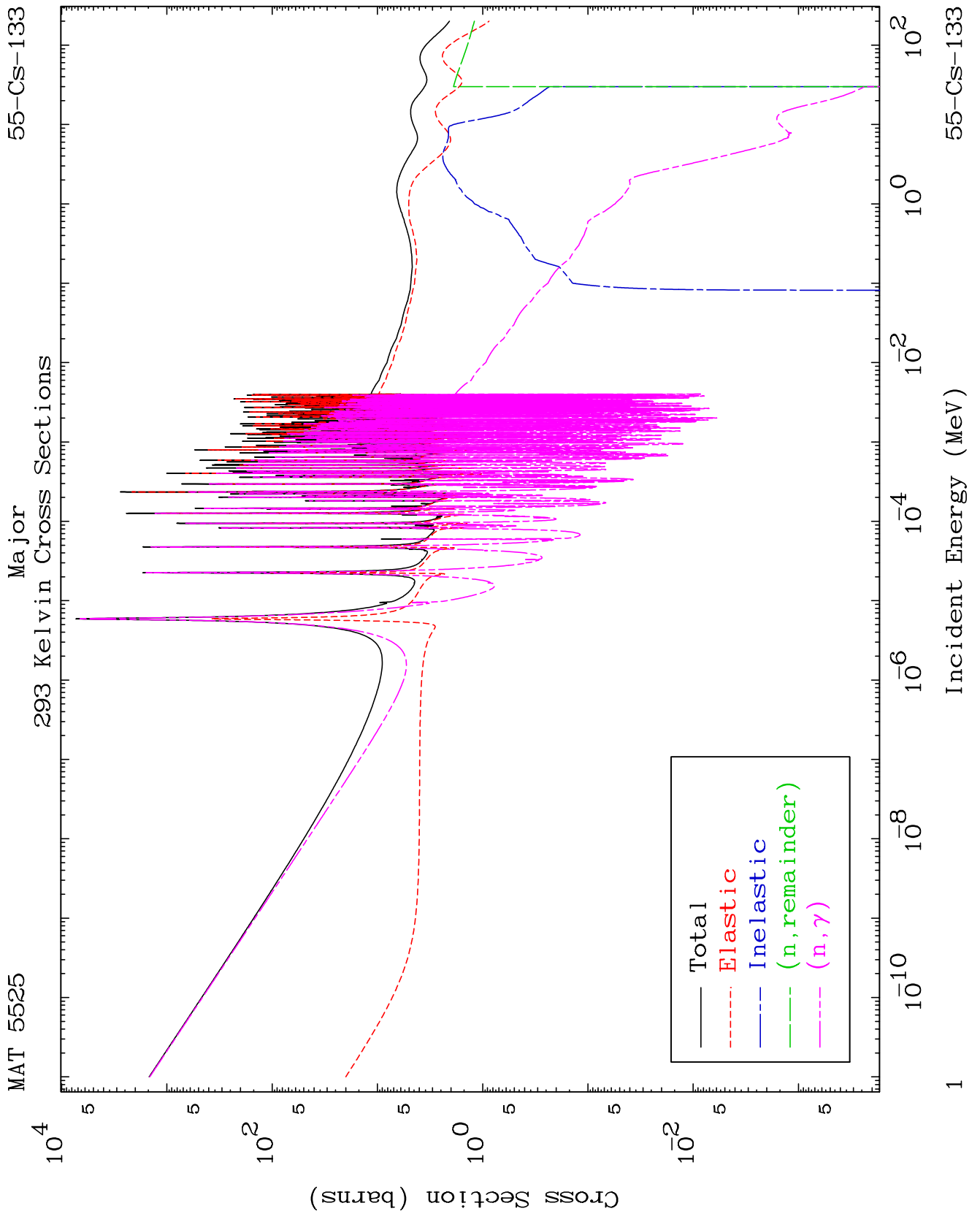
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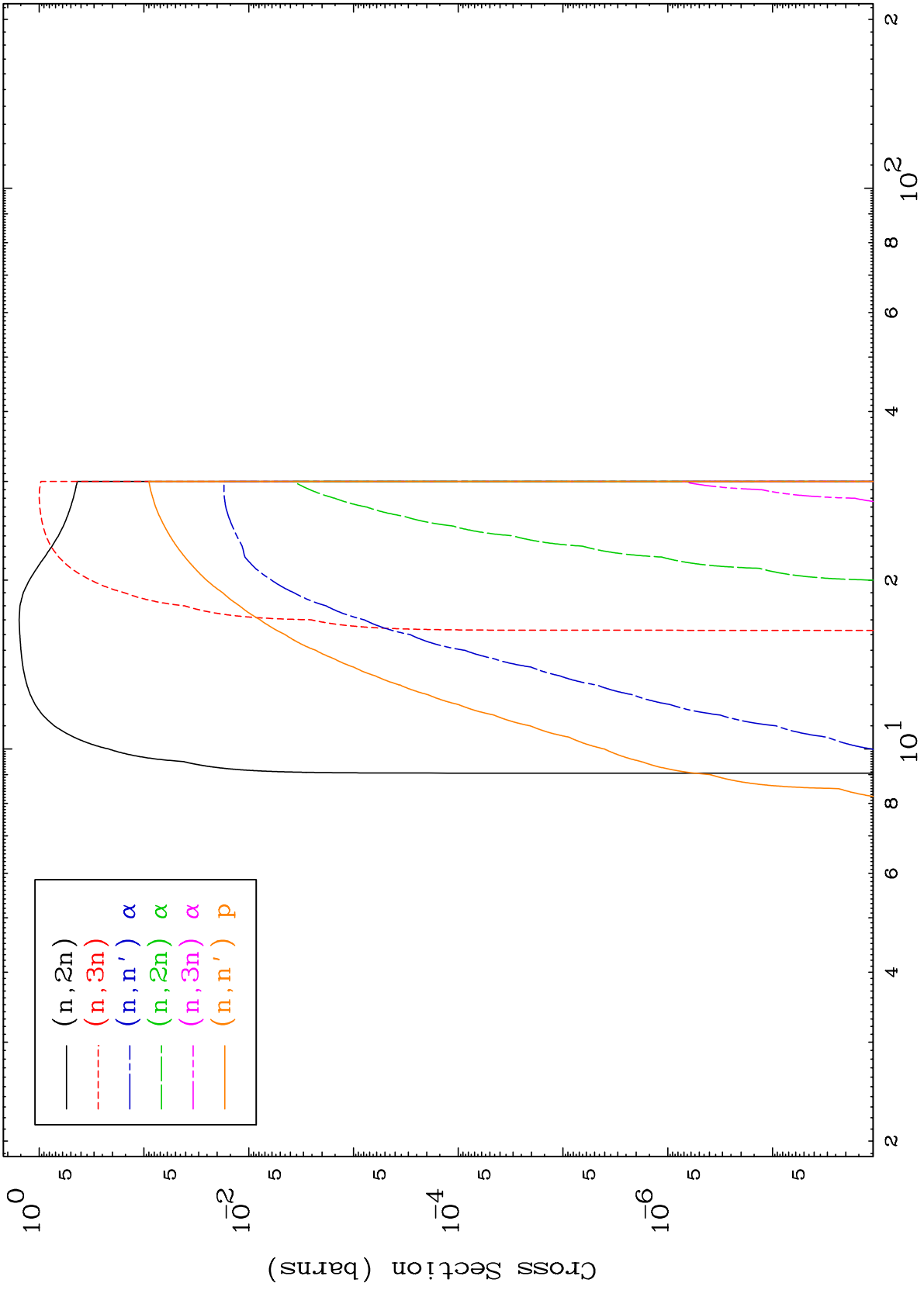
Press Mouse Button to Start



MAT 5525

Neutron Production  
293 Kelvin Cross Sections

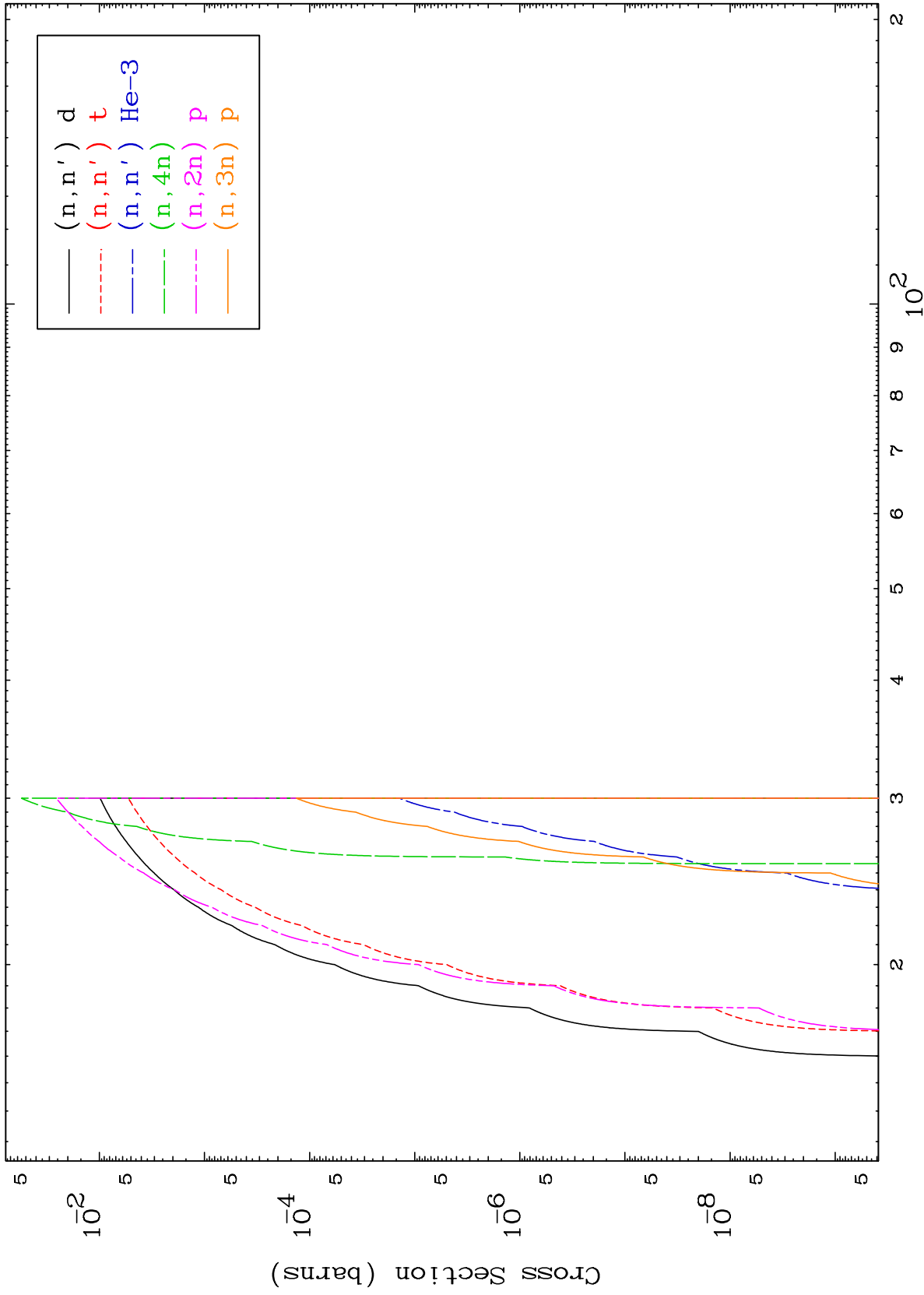
55-Cs-133

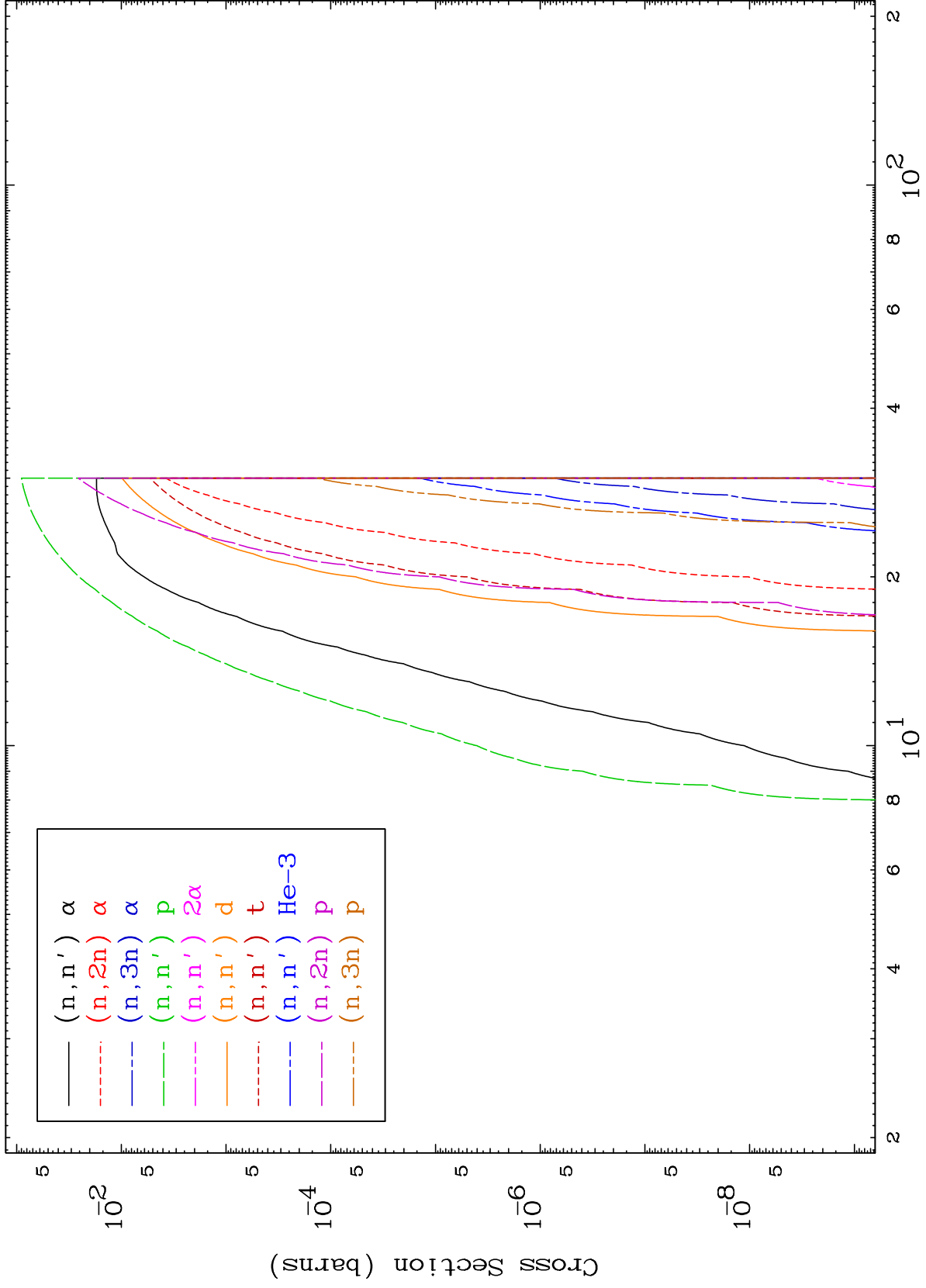


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Incident Energy (MeV)

55-Cs-133

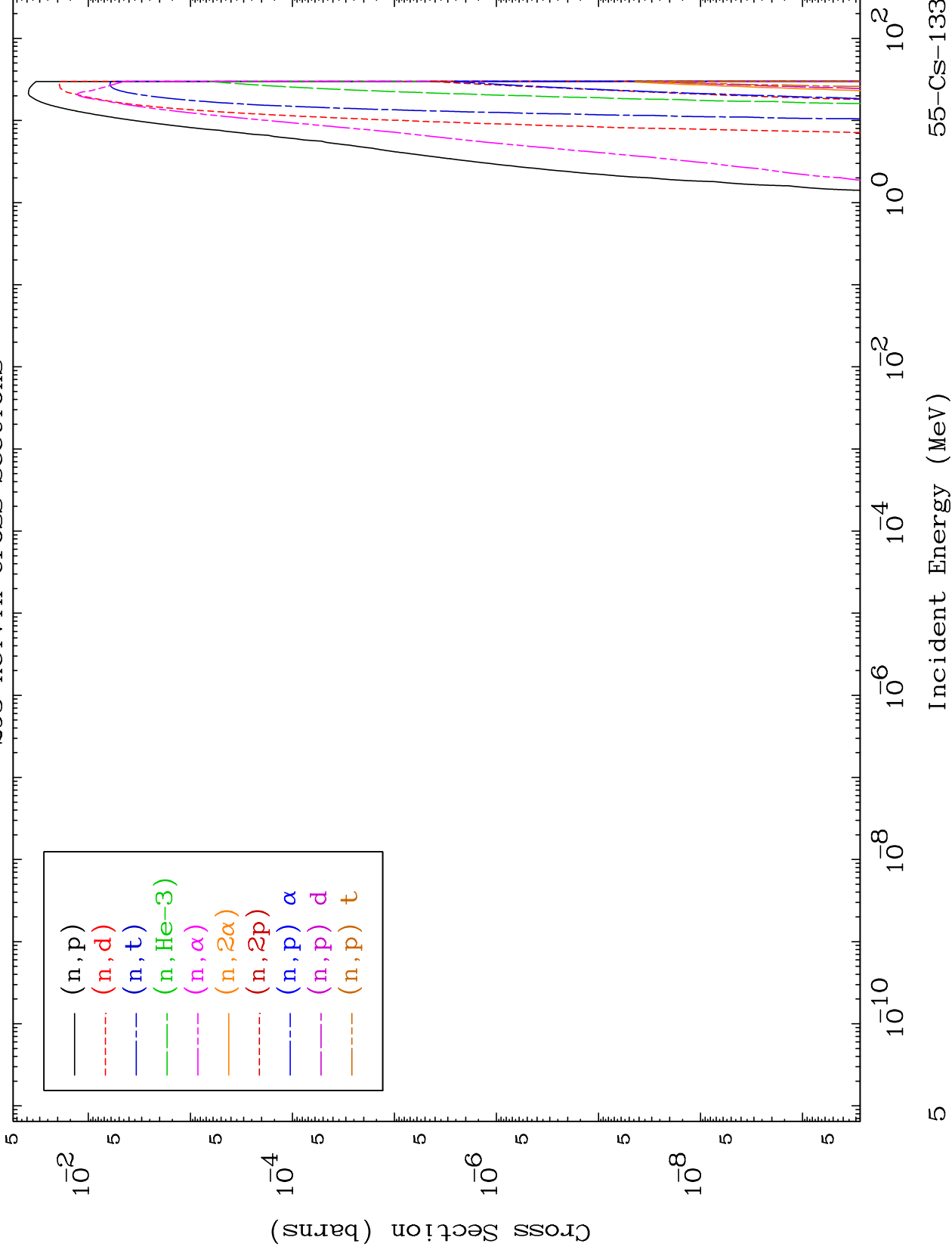




MAT 5525

Charged Particle  
293 Kelvin Cross Sections

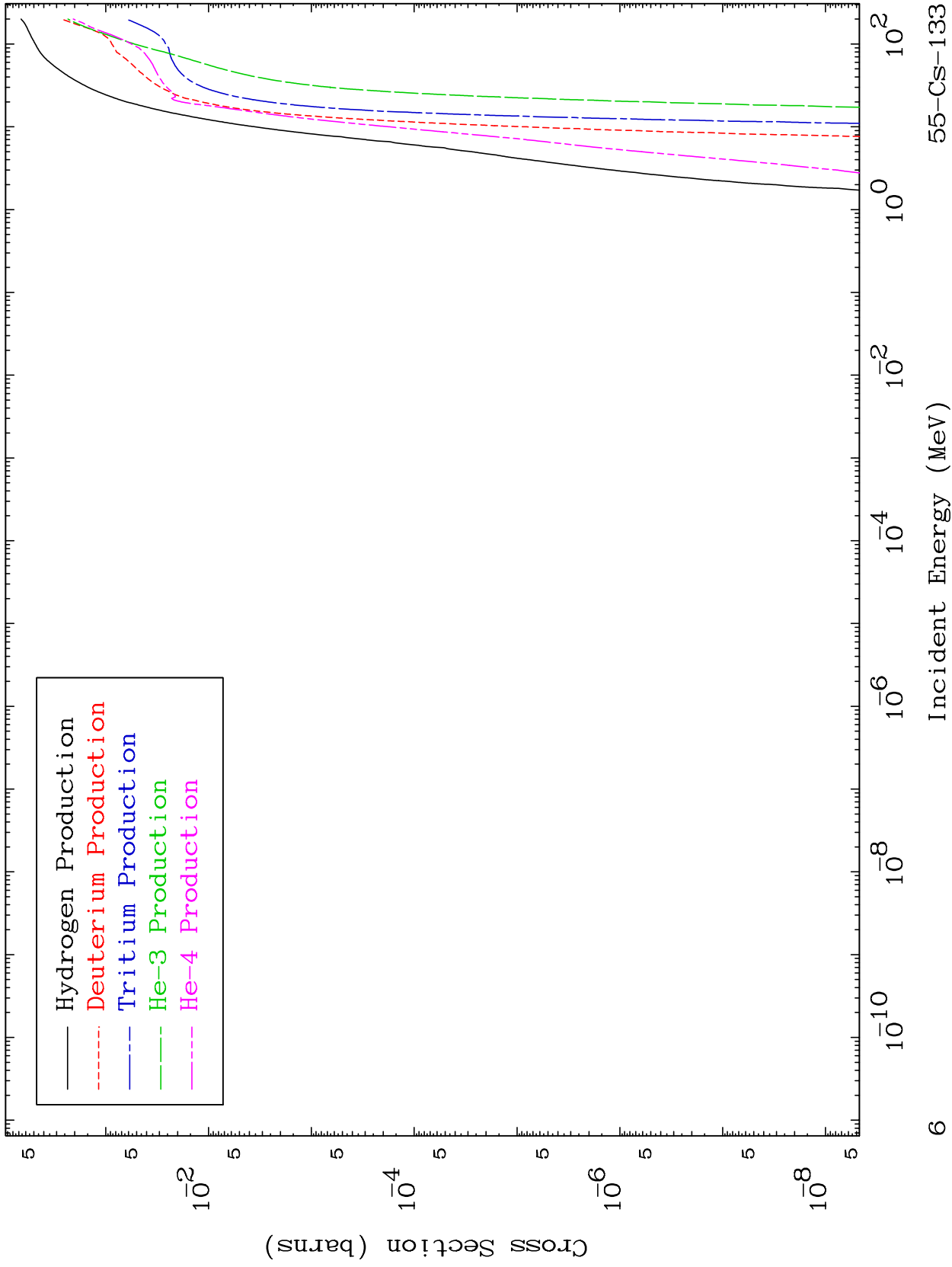
55-Cs-133



MAT 5525

Particle Production  
293 Kelvin Cross Sections

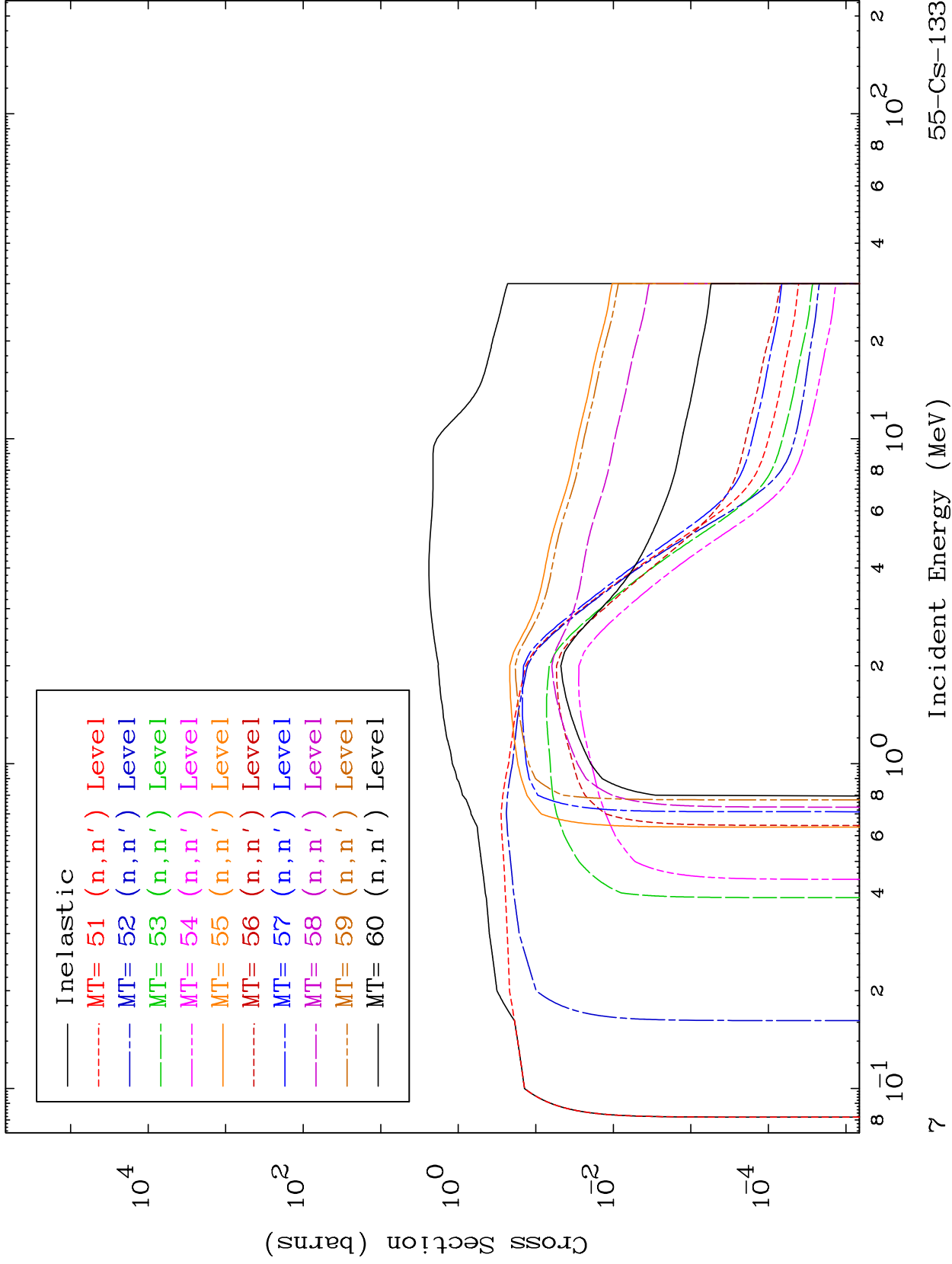
55-Cs-133



MAT 5525

(n,n') Level  
293 Kelvin Cross Sections

55-Cs-133



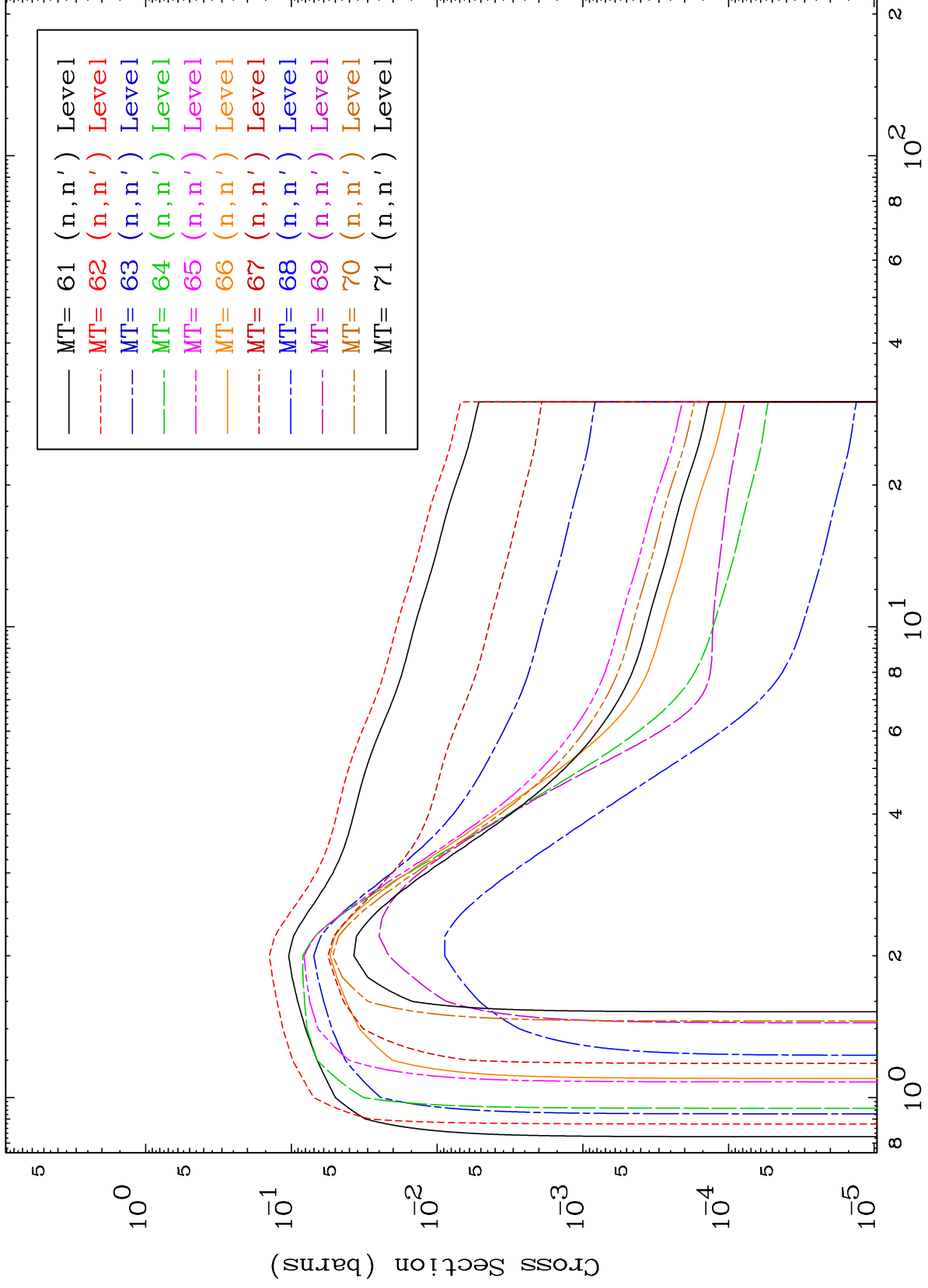


MAT 5525

(n,n') Level

55-Cs-133

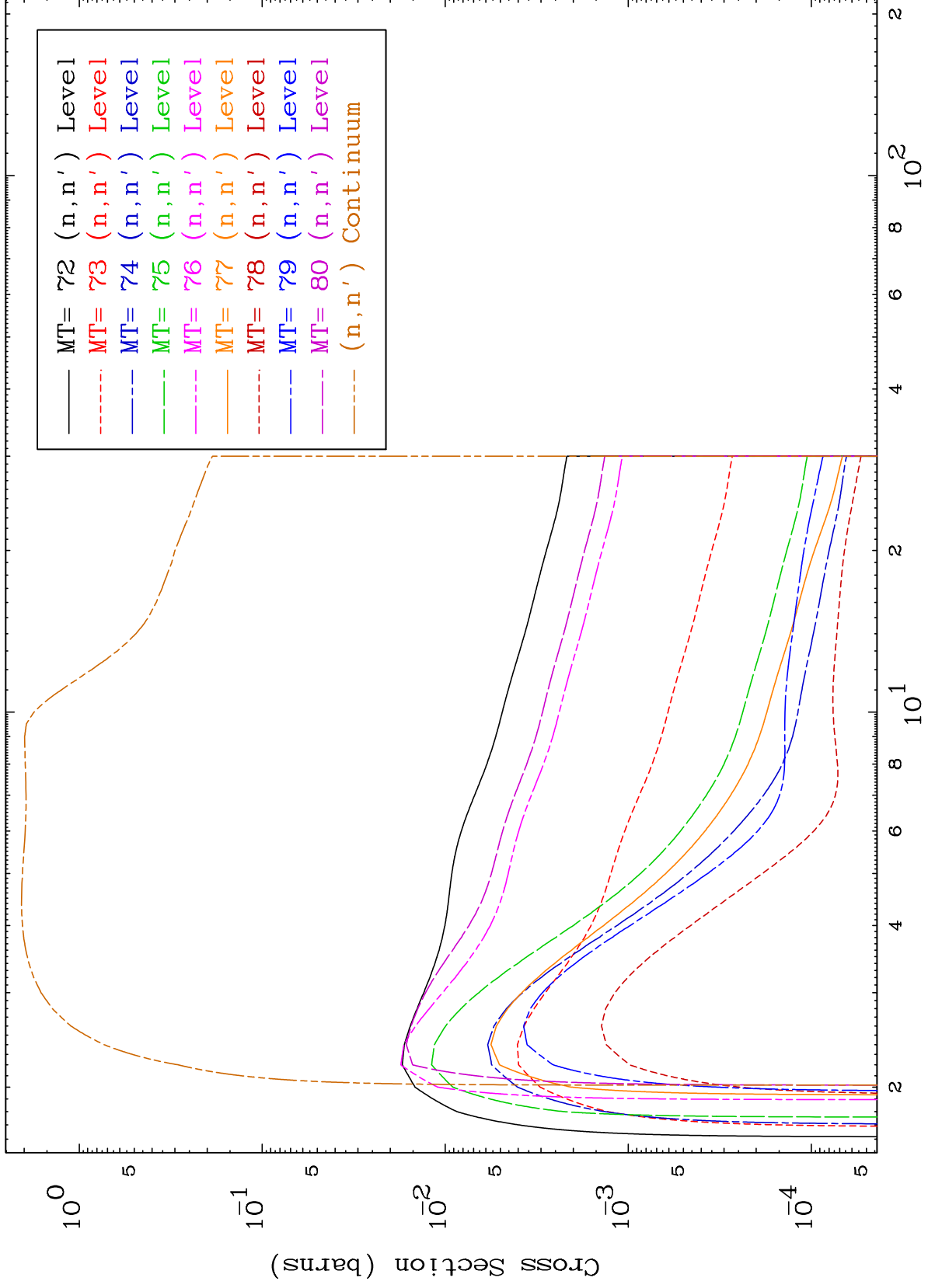
293 Kelvin Cross Sections



Incident Energy (MeV)

55-Cs-133

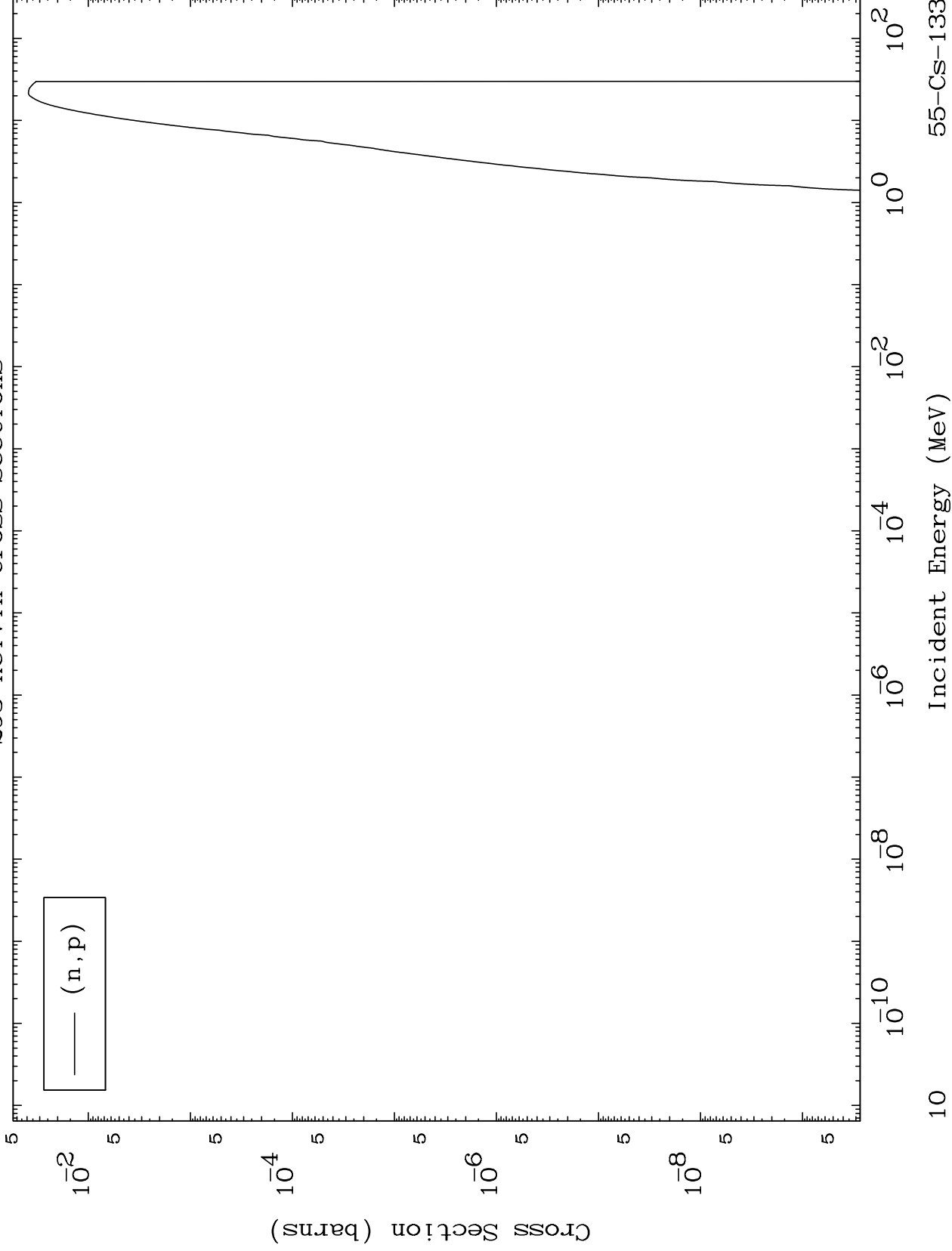
293 Kelvin Cross Sections



MAT 5525

(n,p) Levels  
293 Kelvin Cross Sections

55-Cs-133



10

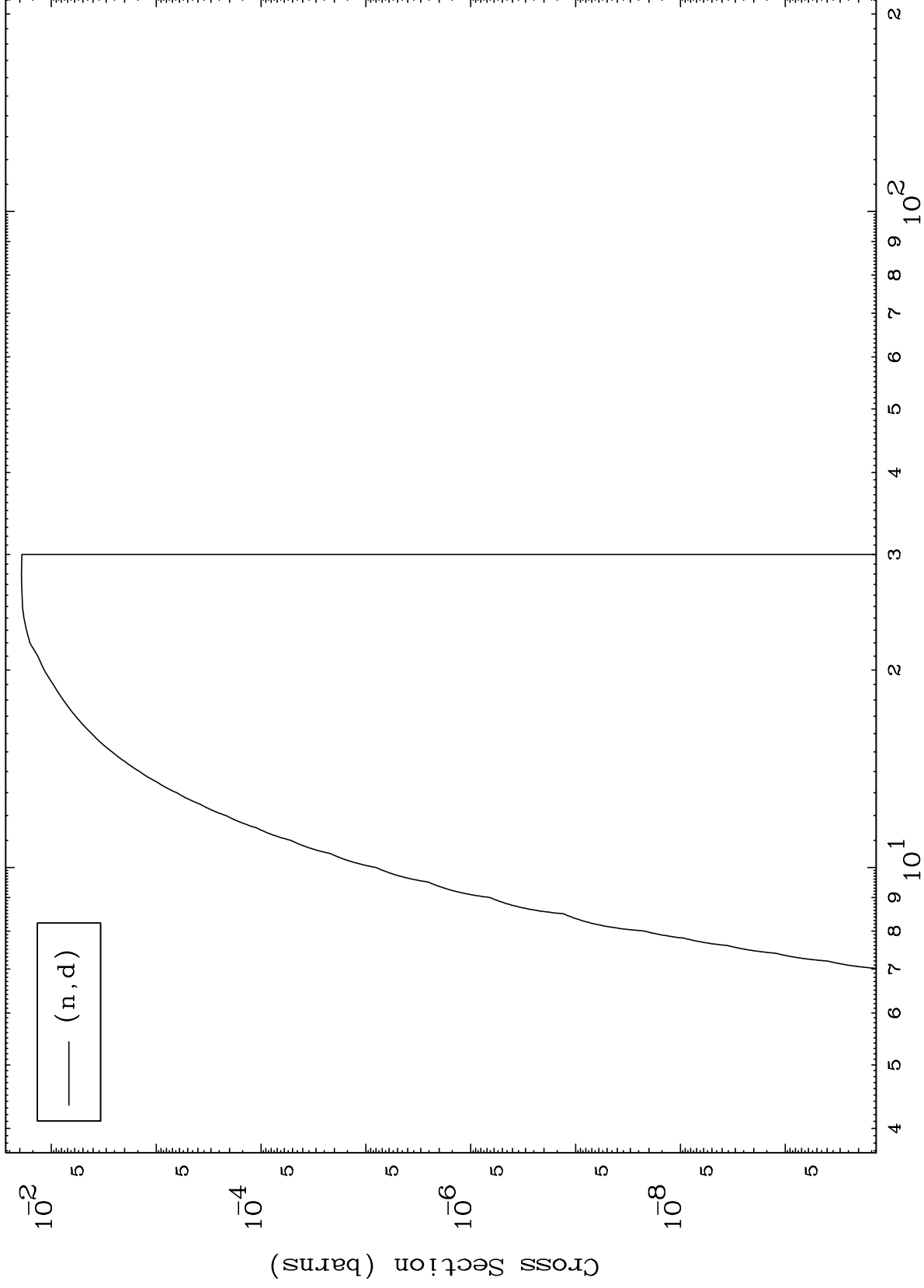
Incident Energy (MeV)

55-Cs-133

MAT 5525

(n,d) Levels  
293 Kelvin Cross Sections

55-Cs-133



11

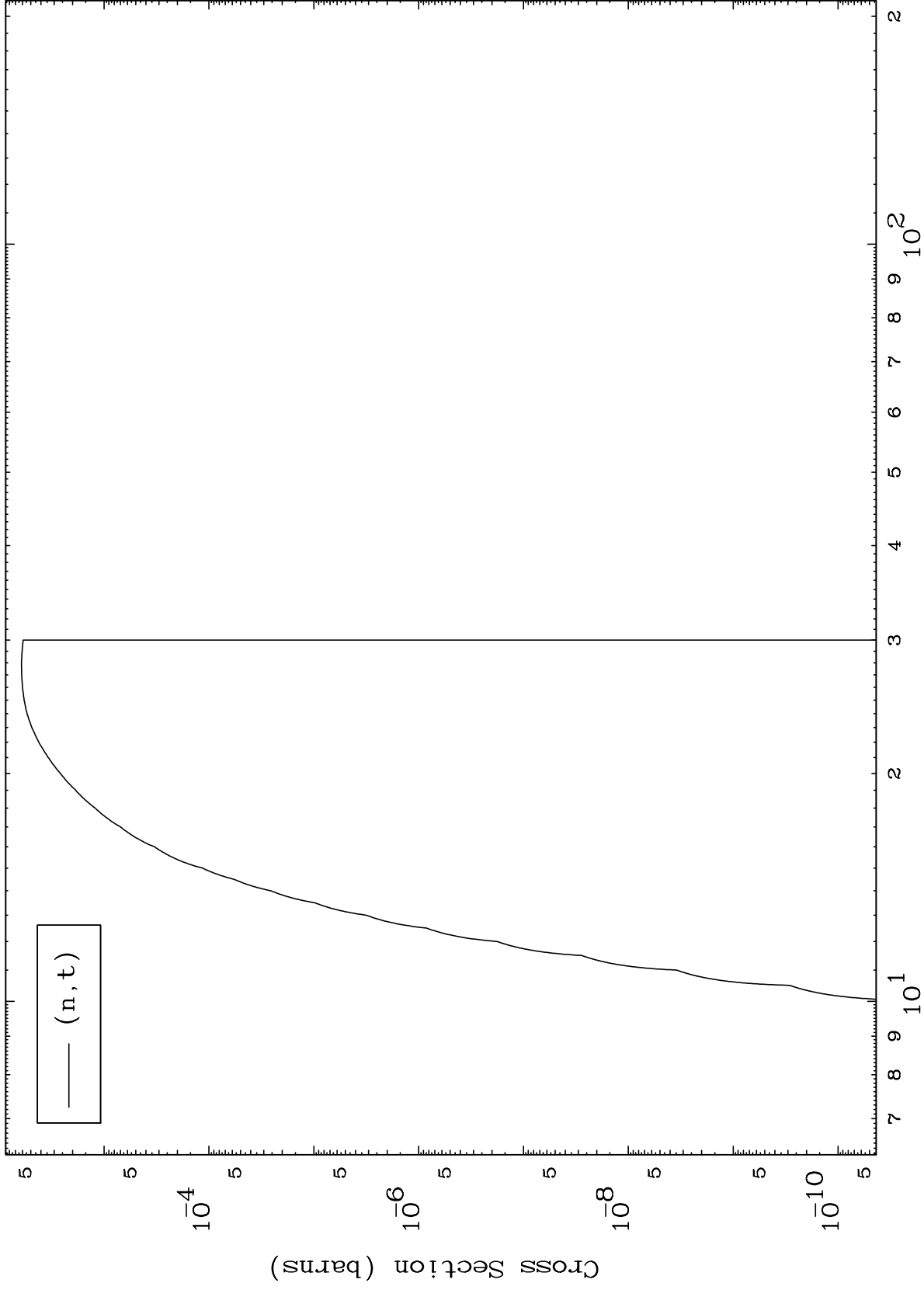
Incident Energy (MeV)

55-Cs-133

MAT 5525

(n,t) Levels  
293 Kelvin Cross Sections

55-Cs-133



12

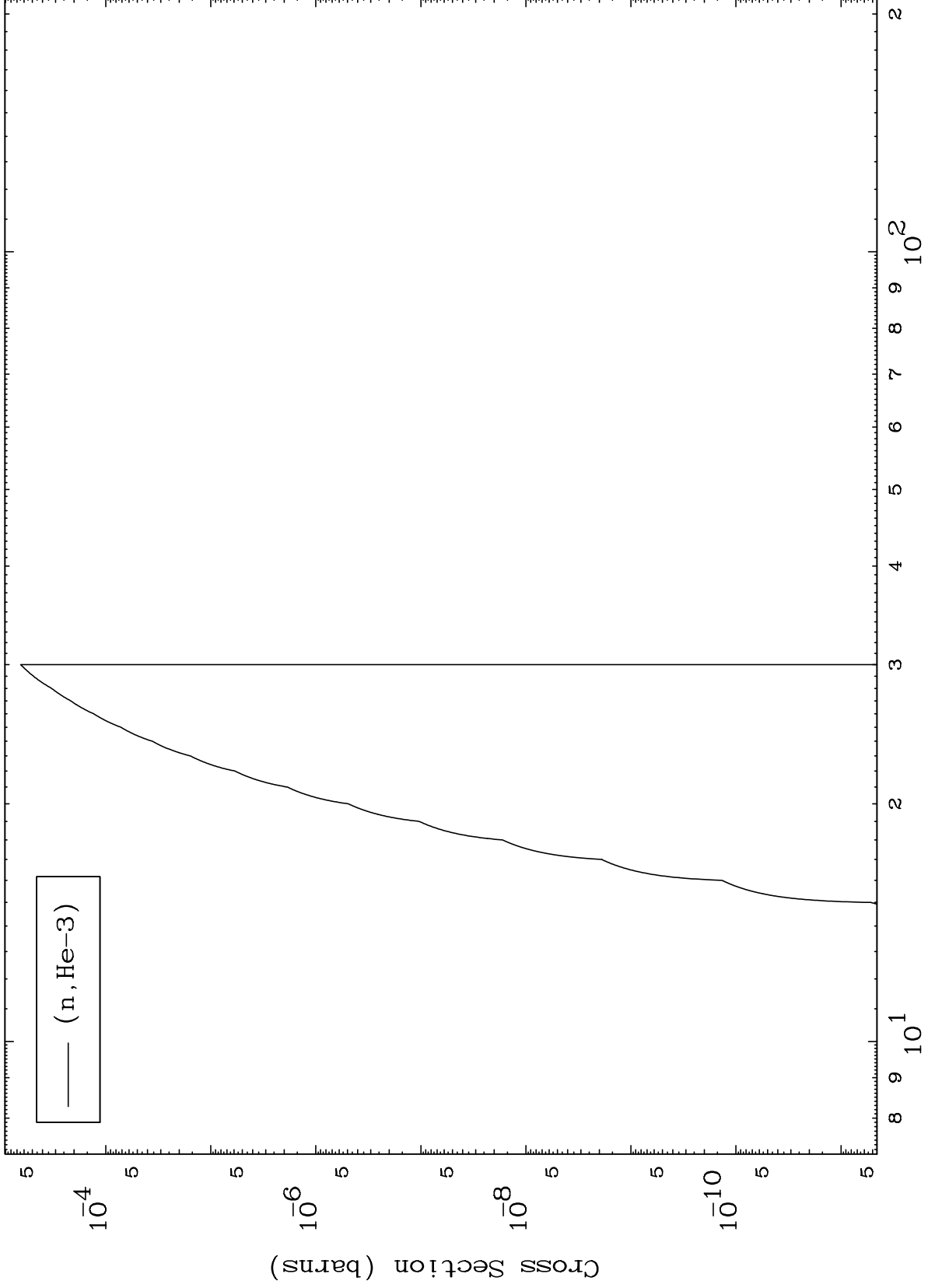
Incident Energy (MeV)

55-Cs-133

MAT 5525

(n,He3) Levels  
293 Kelvin Cross Sections

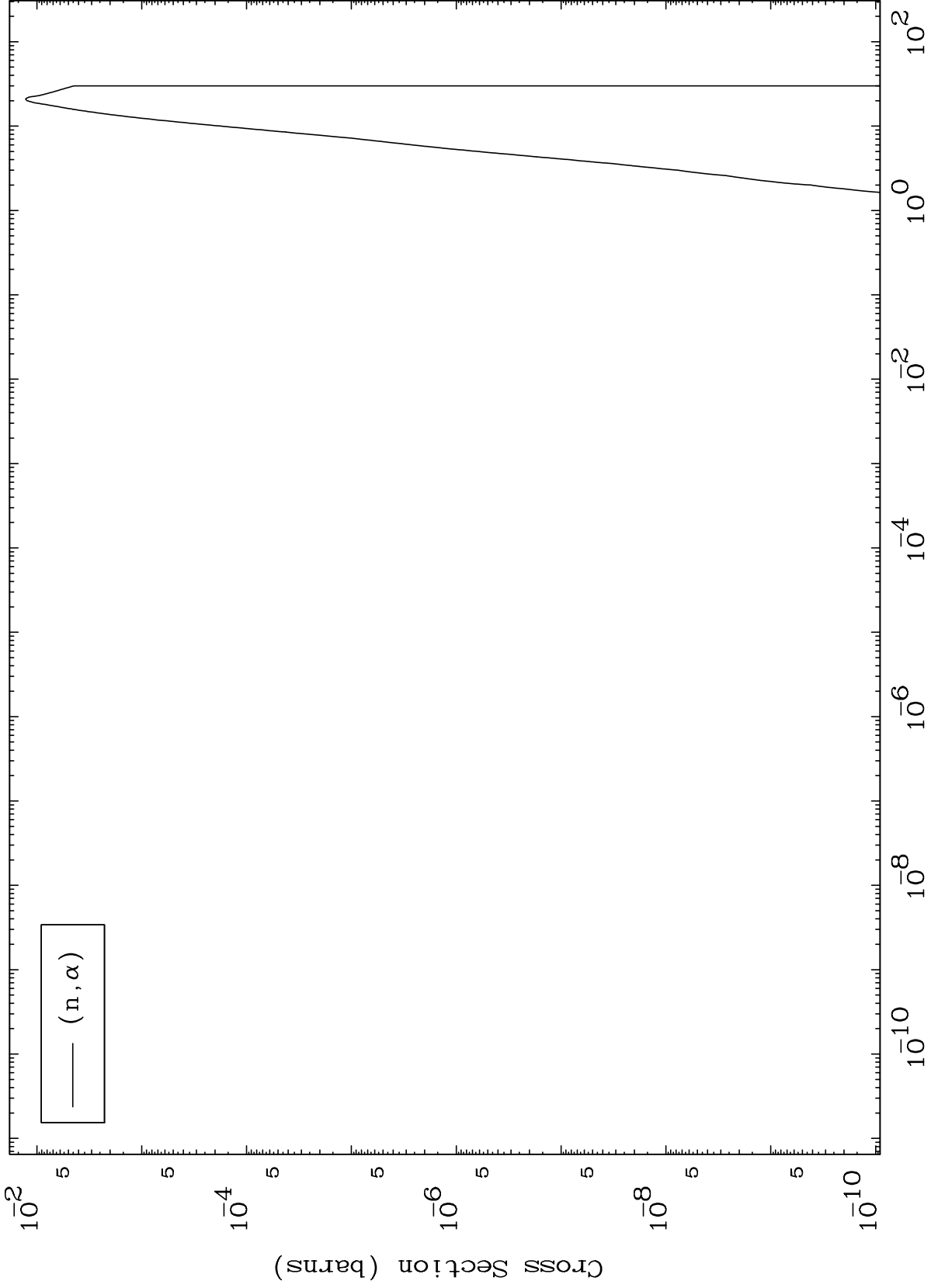
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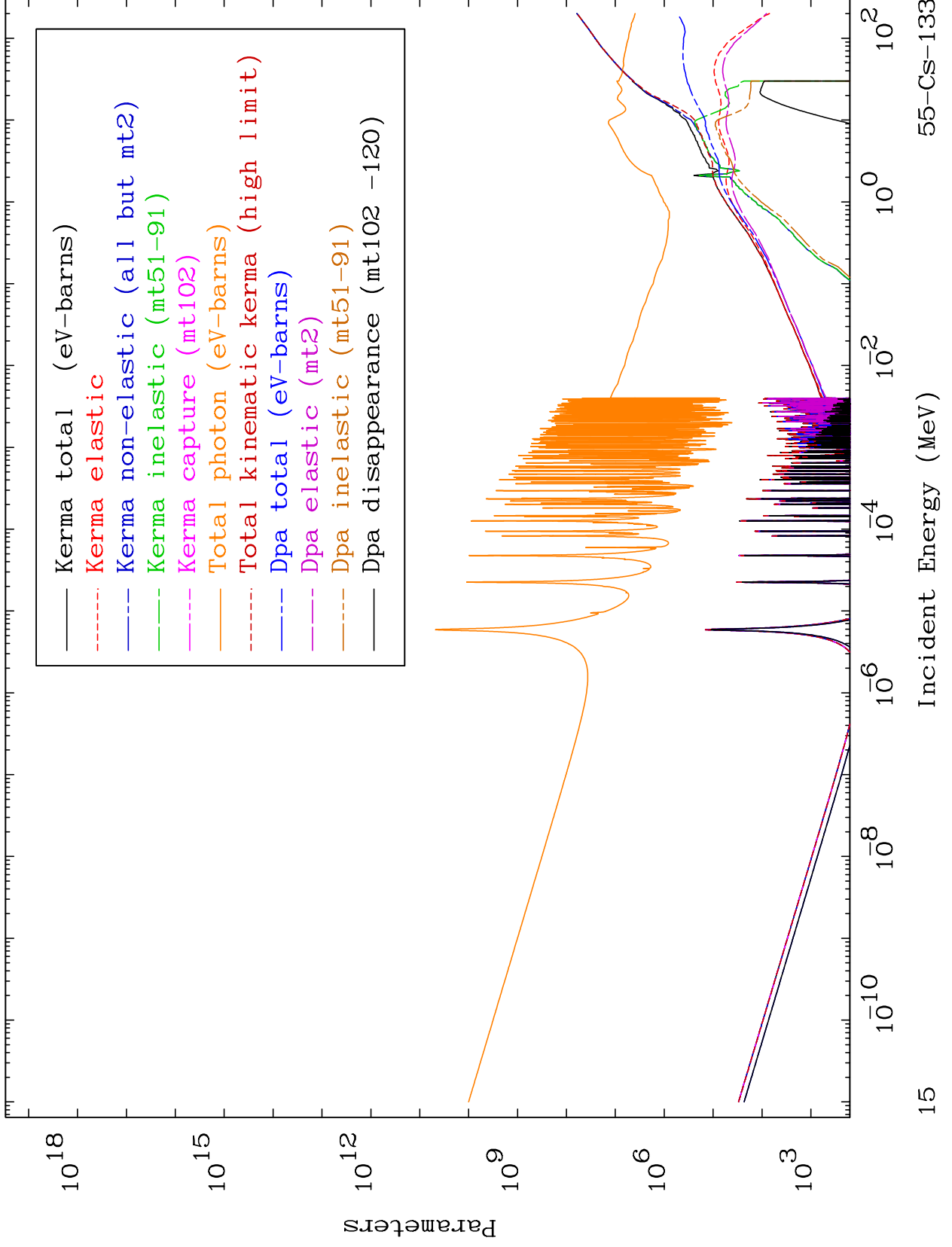


MAT 5525

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

55-Cs-133



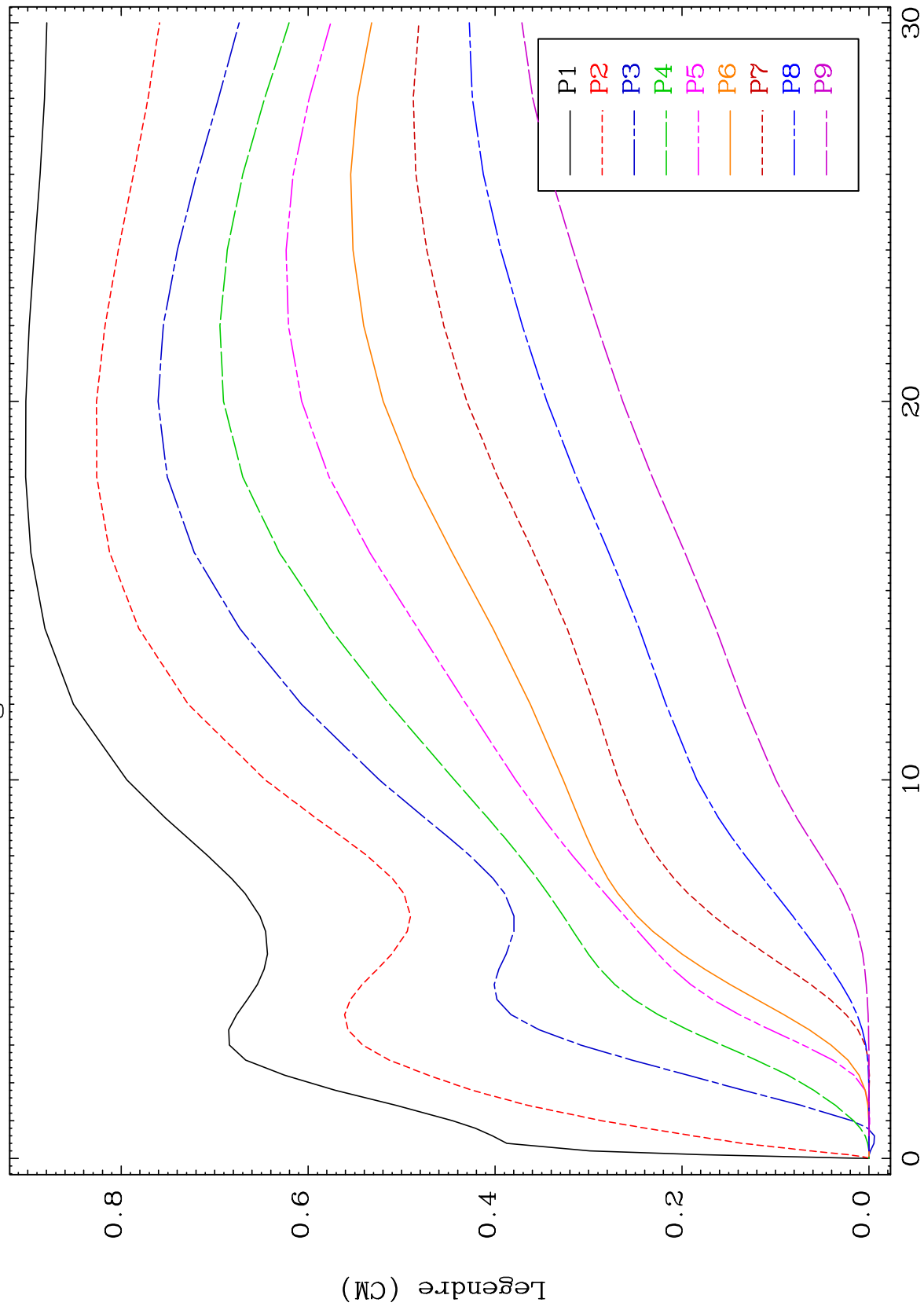




MAT 5525

Elastic Legendre Coefficients

55-Cs-133



16

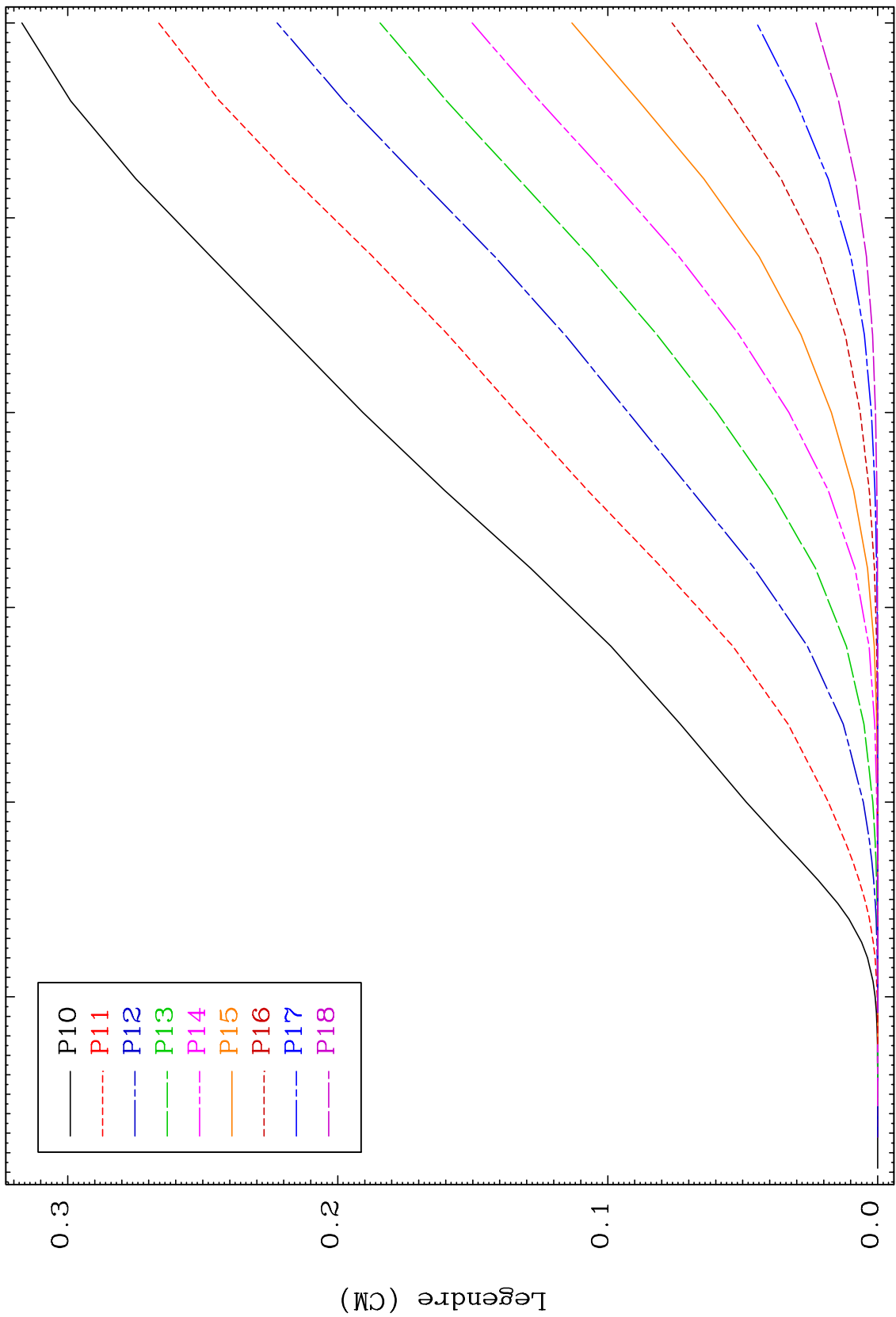
Incident Energy (MeV)

55-Cs-133

MAT 5525

Elastic Legendre Coefficients

55-Cs-133



17

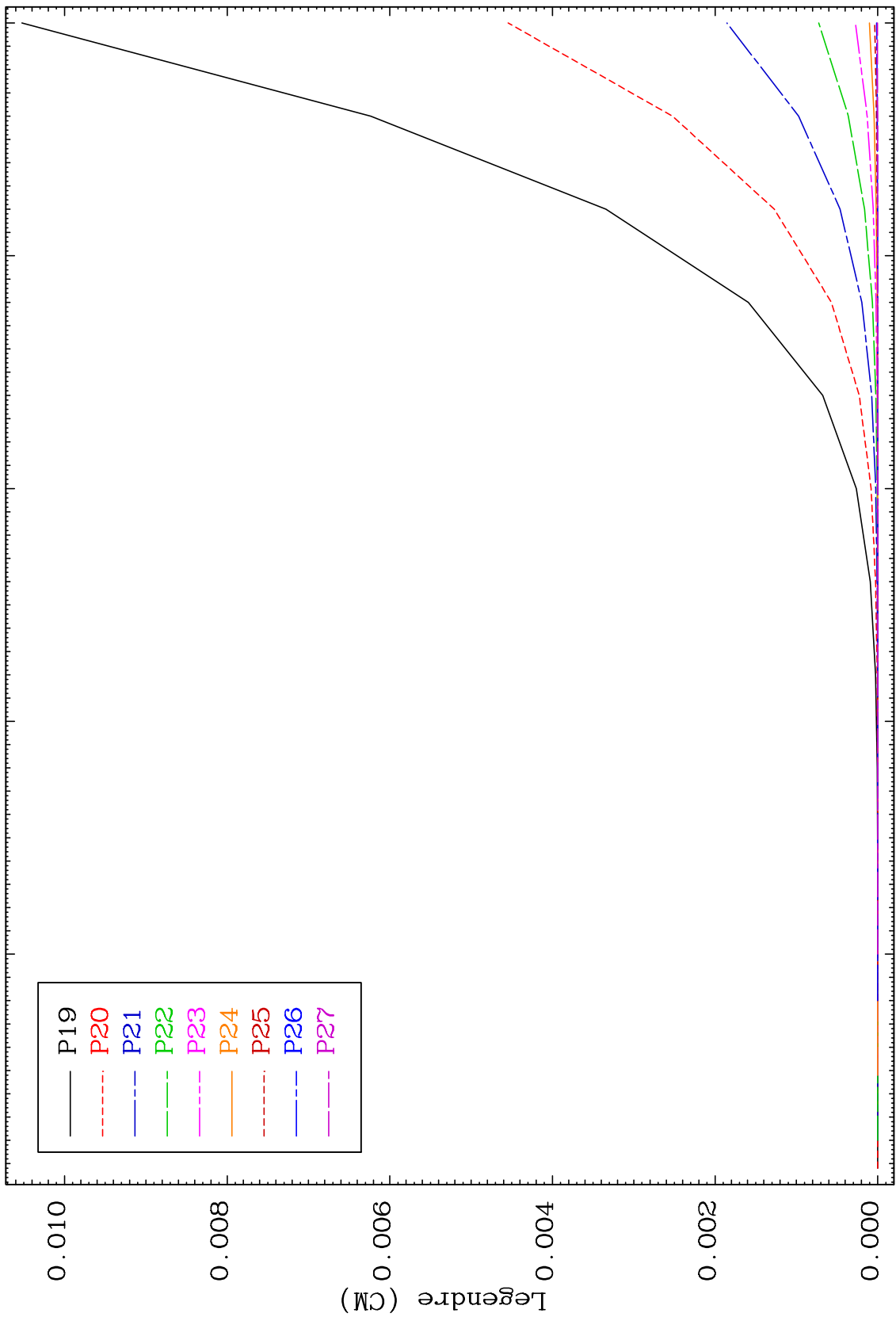
55-Cs-133

Incident Energy (MeV)

MAT 5525

### Elastic Legendre Coefficients

55-Cs-133



18

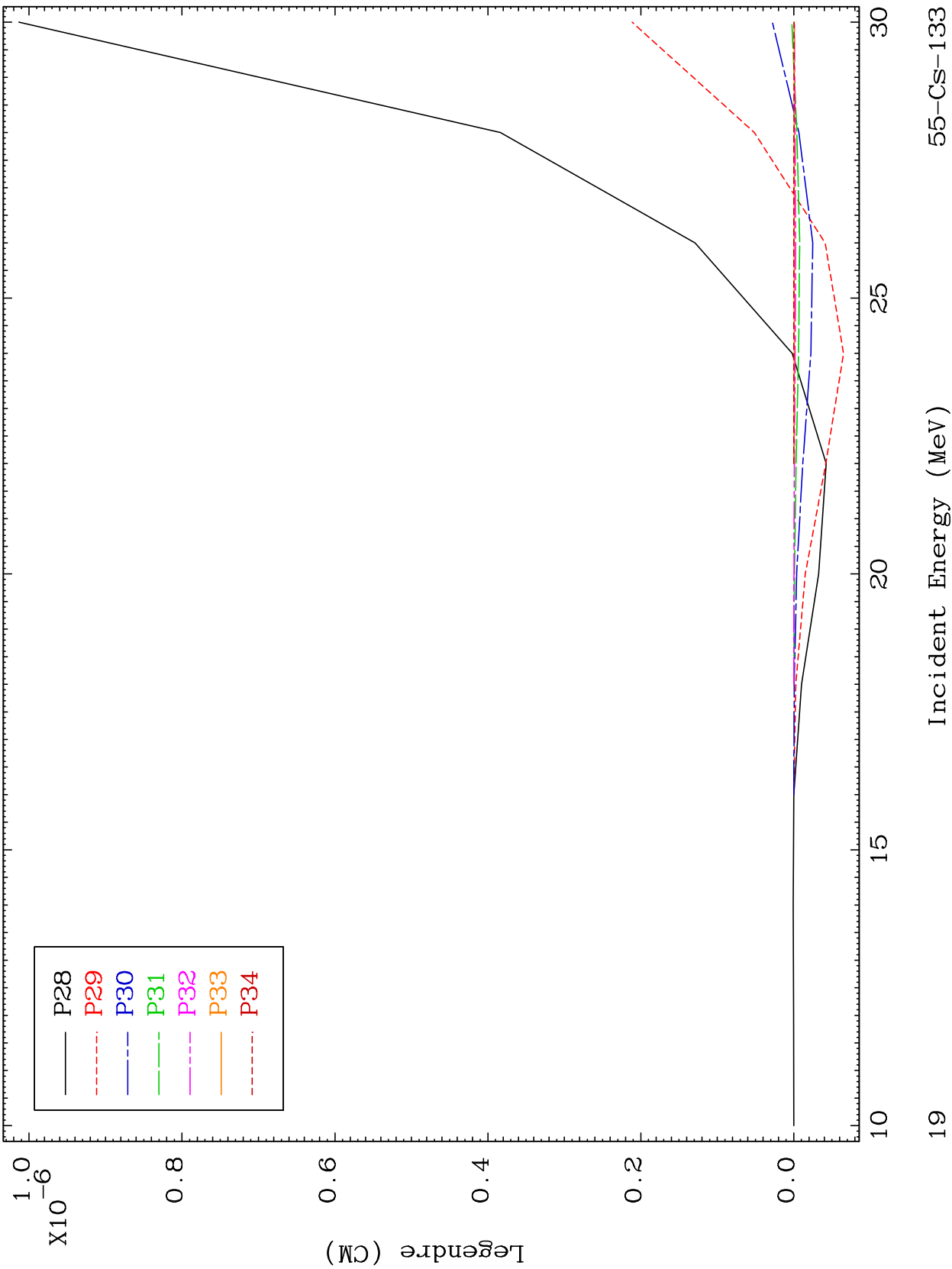
Incident Energy (MeV)

55-Cs-133

MAT 5525

Elastic Legendre Coefficients

55-Cs-133



19

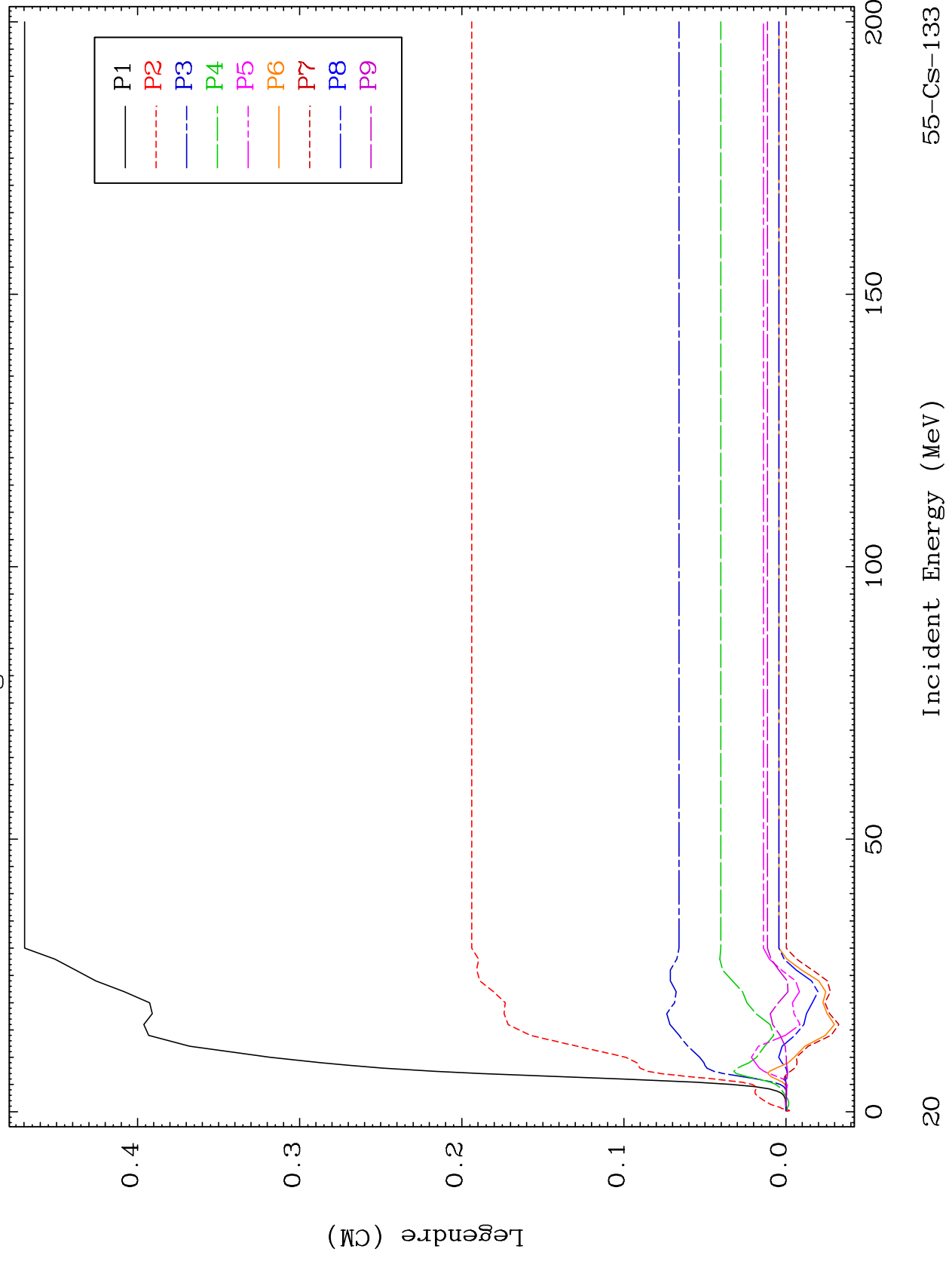
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



55-Cs-133

Incident Energy (MeV)

0

50

100

150

200

Legendre (CM)

0.4

0.3

0.2

0.1

0.0

P1

P2

P3

P4

P5

P6

P7

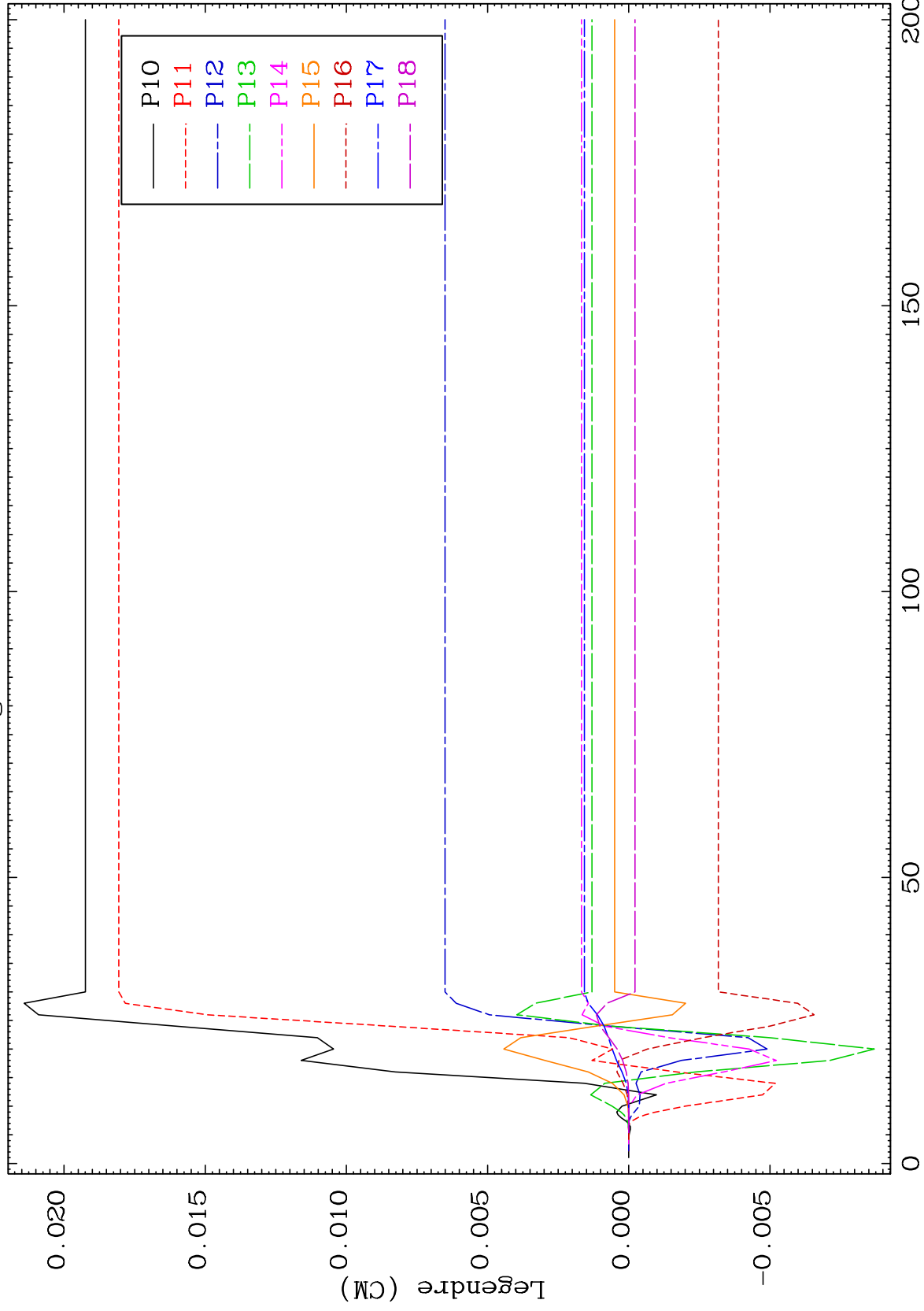
P8

P9

MAT 5525

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

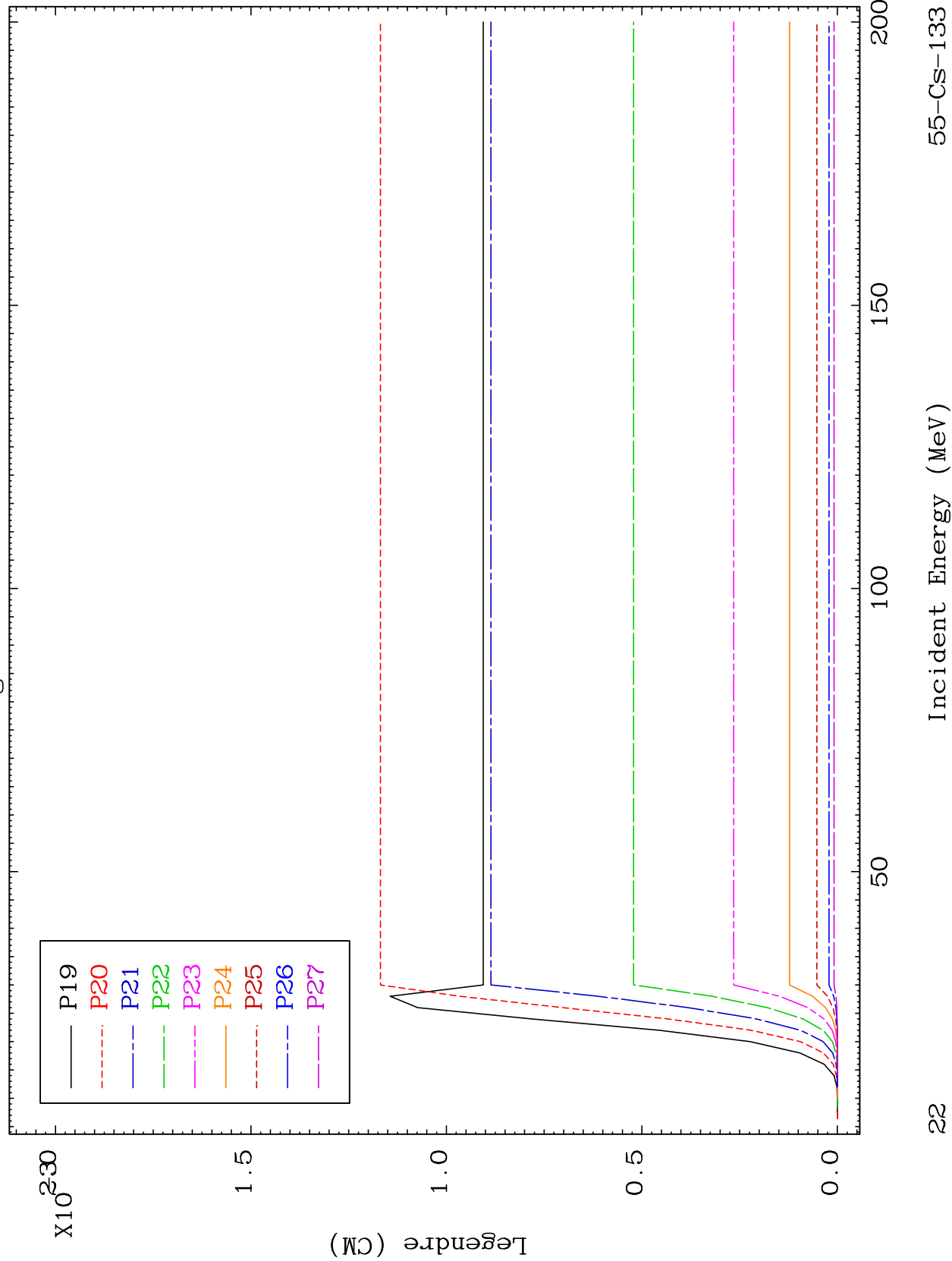
55-Cs-133



21

Incident Energy (MeV)

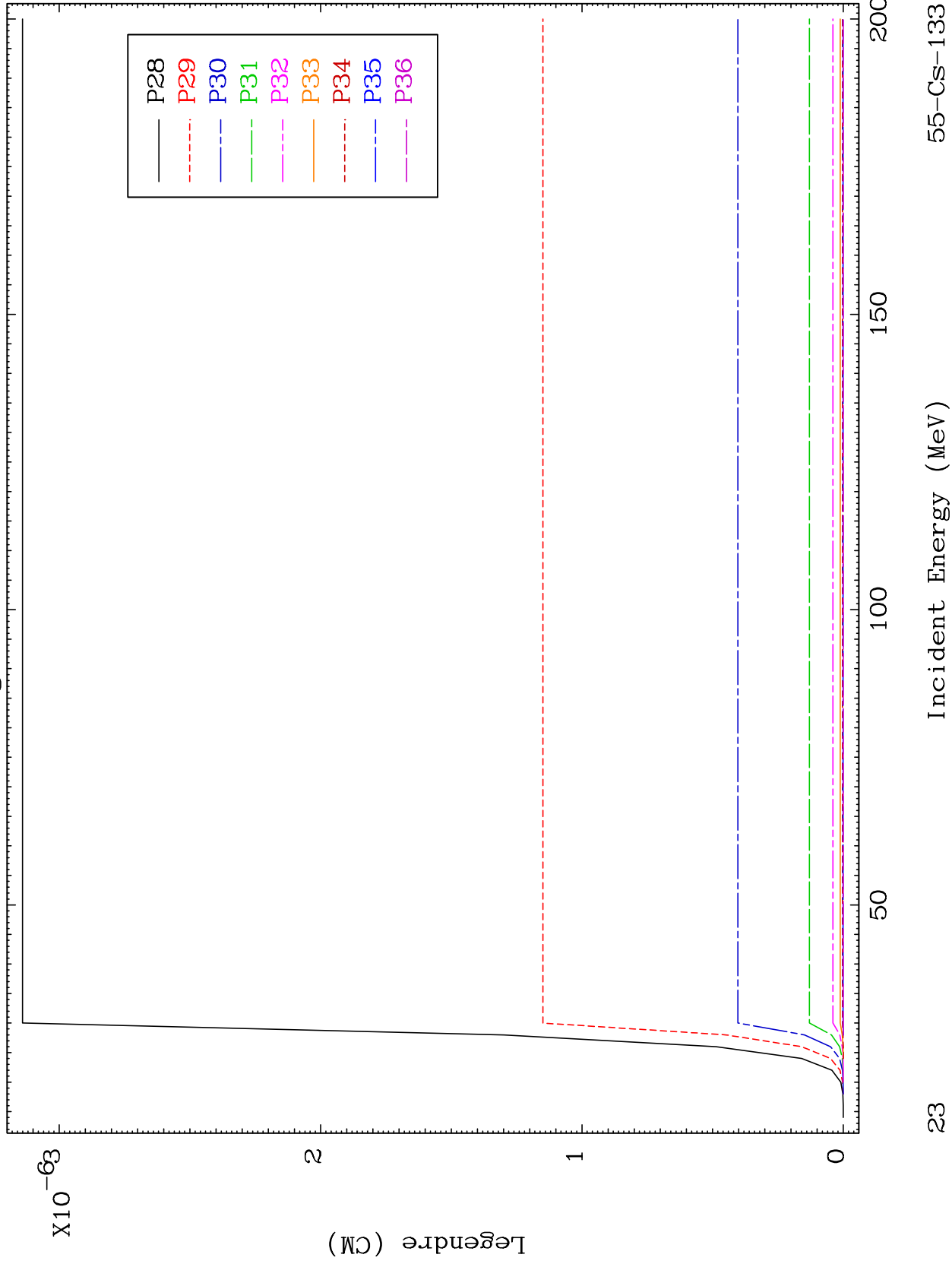
55-Cs-133



MAT 5525

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

55-Cs-133

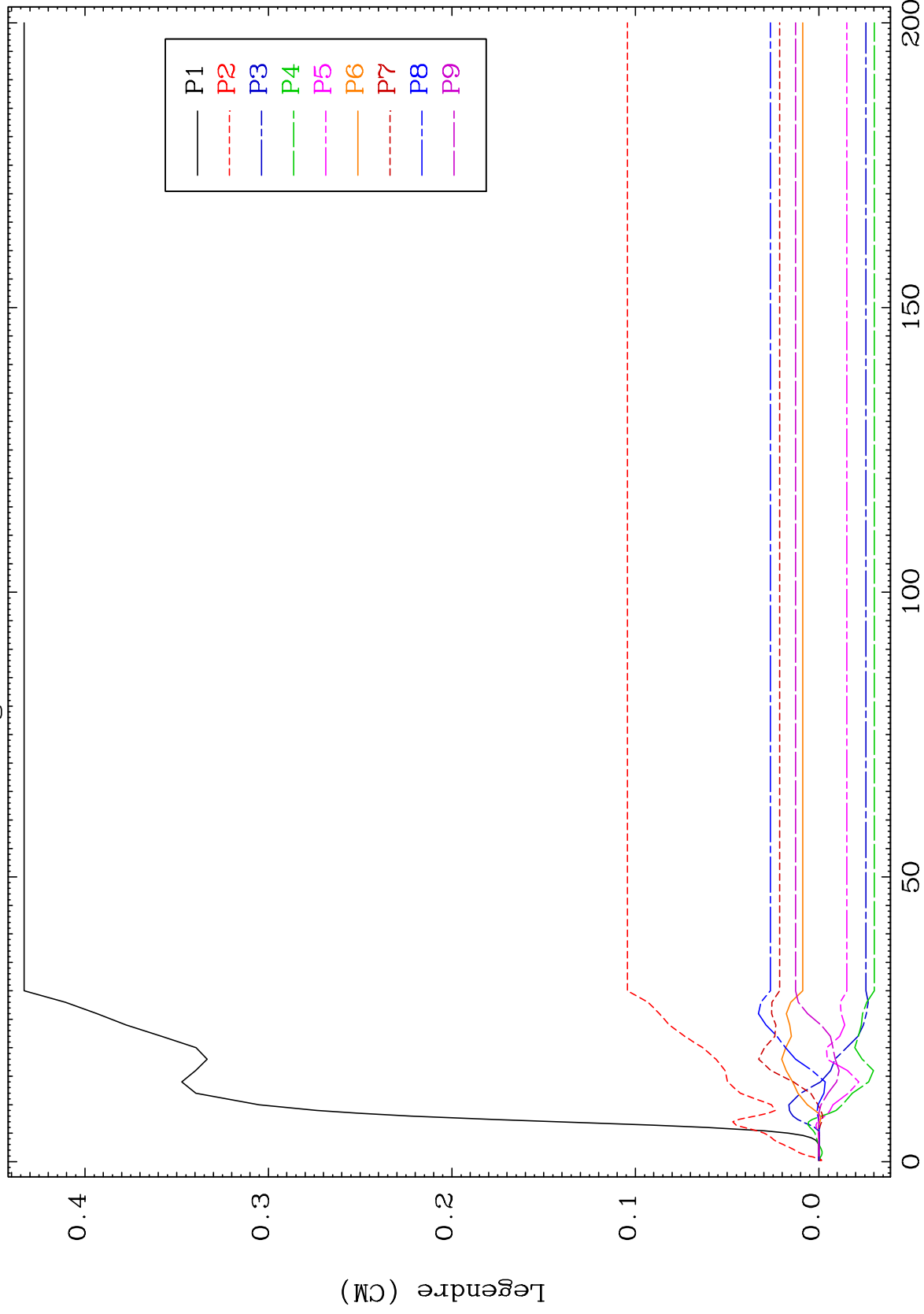




MAT 5525

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

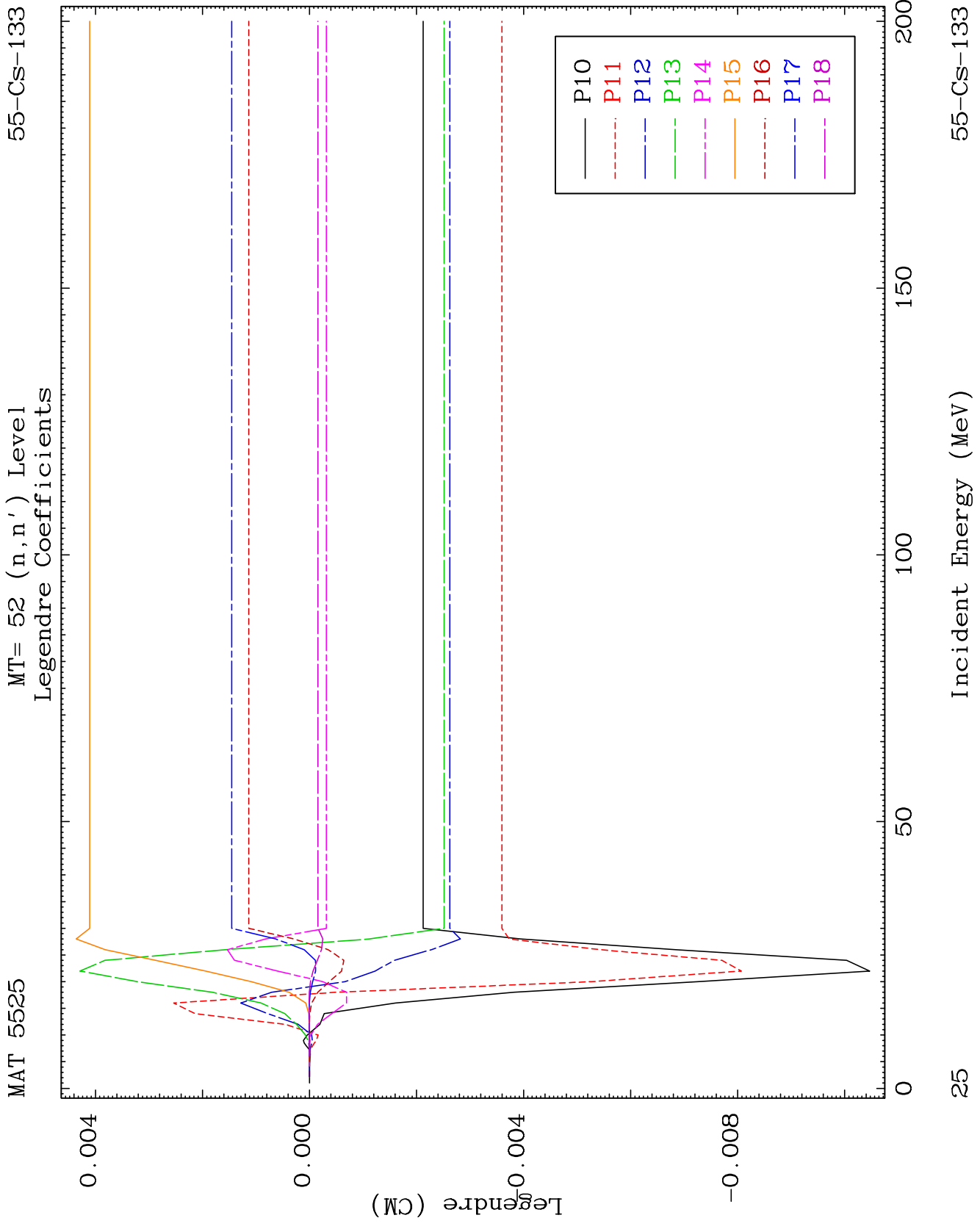
55-Cs-133

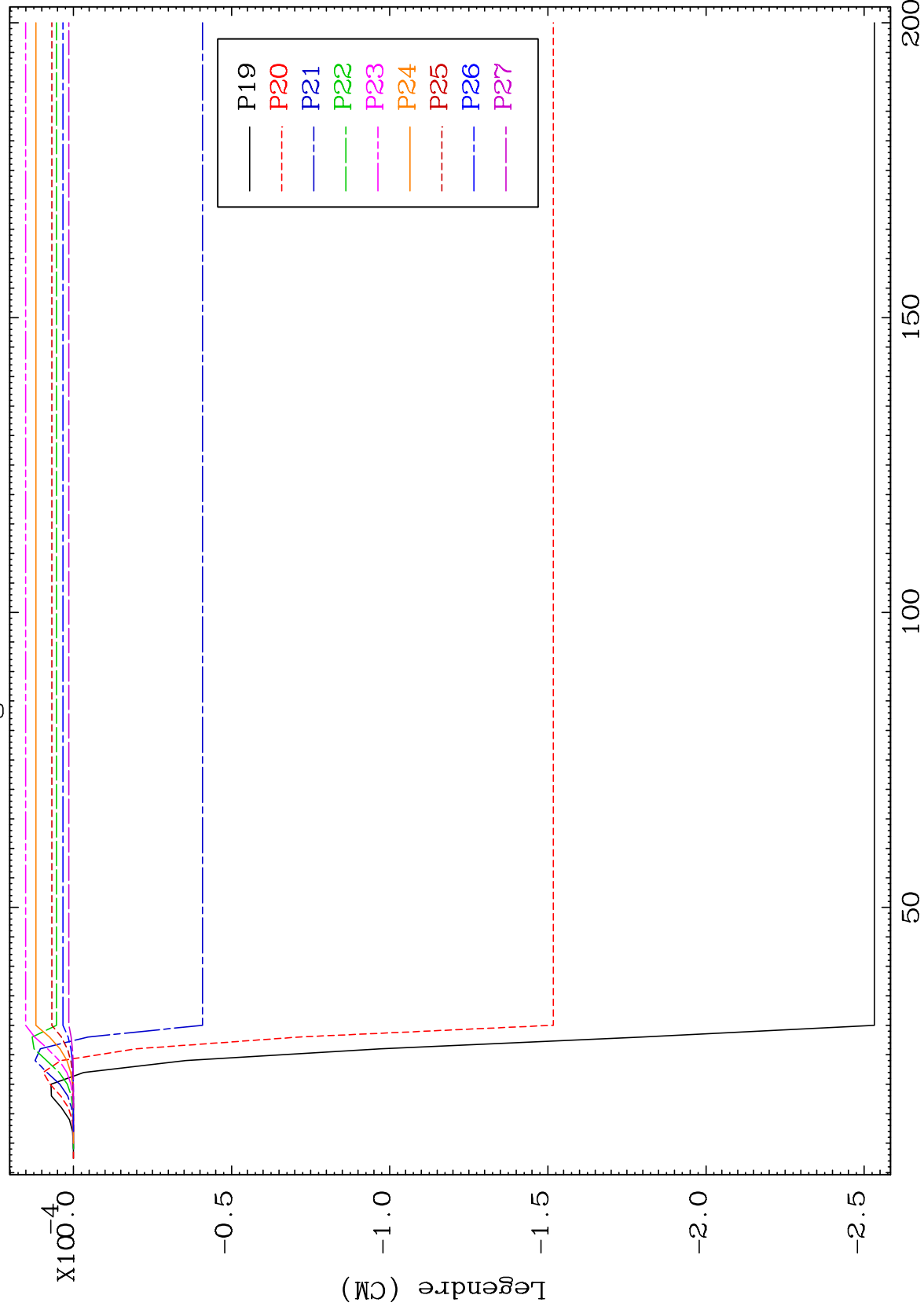


24

Incident Energy (MeV)

55-Cs-133

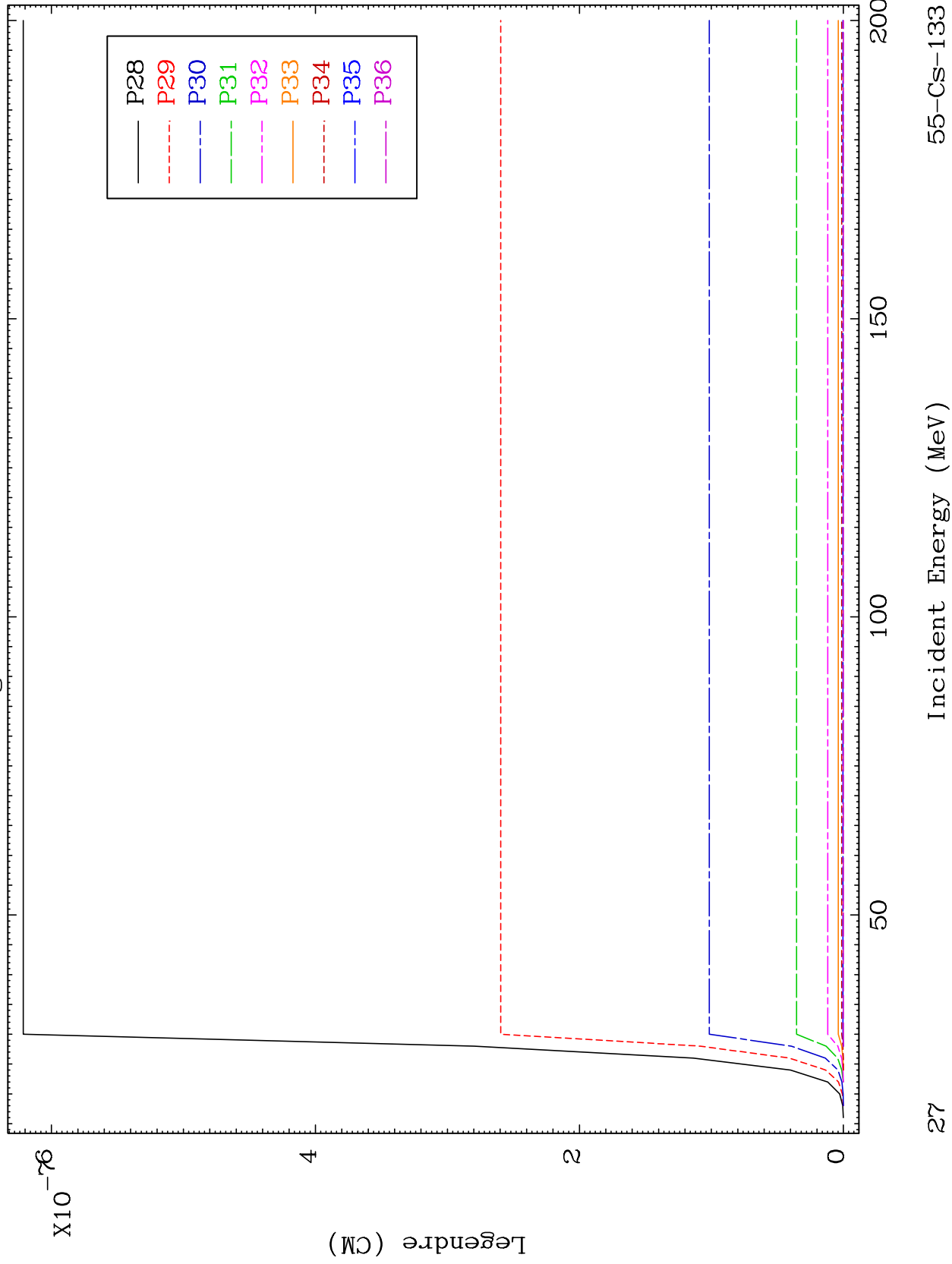




MAT 5525

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

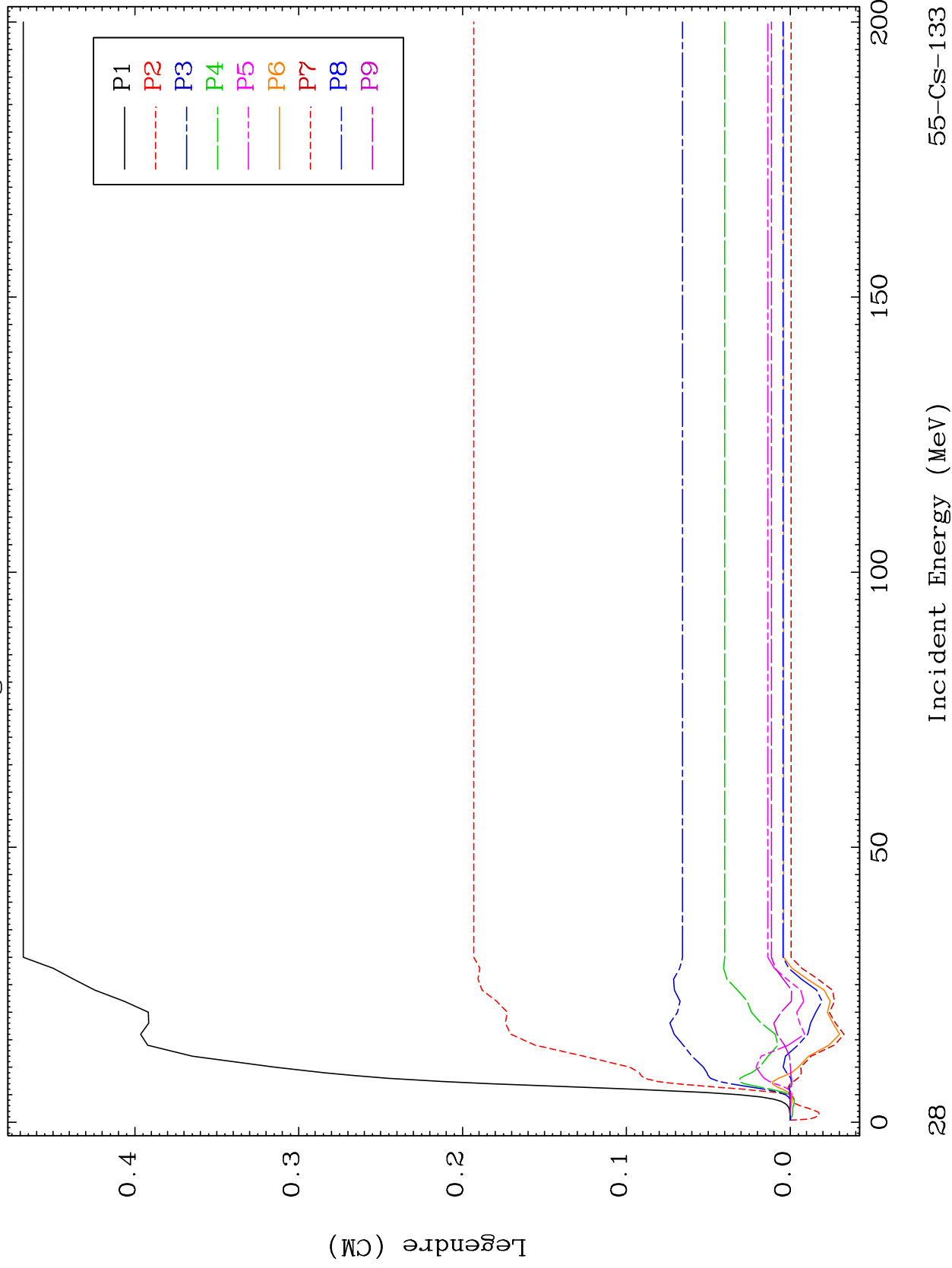
55-Cs-133



MAT 5525

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

55-Cs-133



55-Cs-133

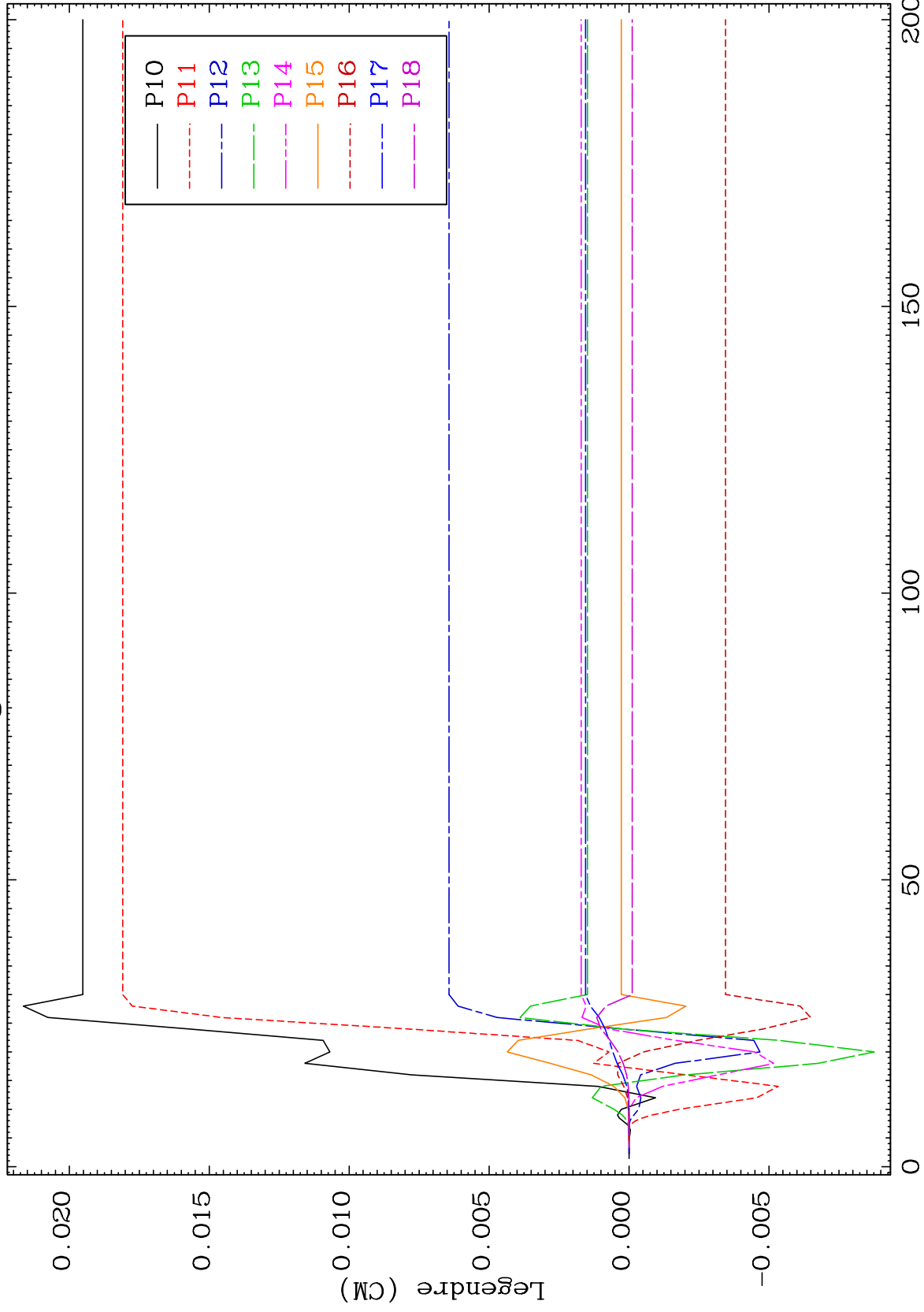
Incident Energy (MeV)

28

MAT 5525

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

55-Cs-133



29

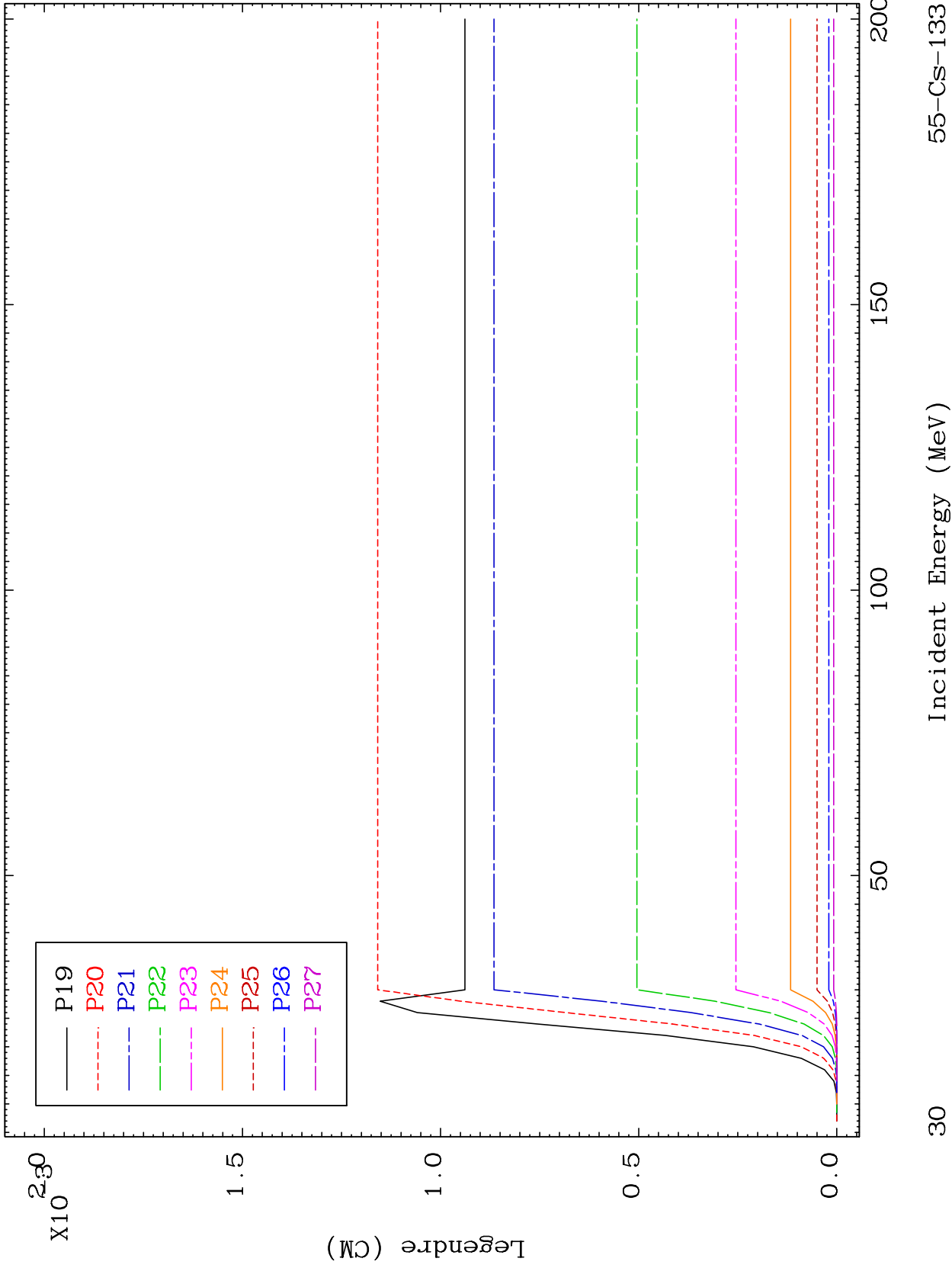
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



30

Incident Energy (MeV)

55-Cs-133

200

150

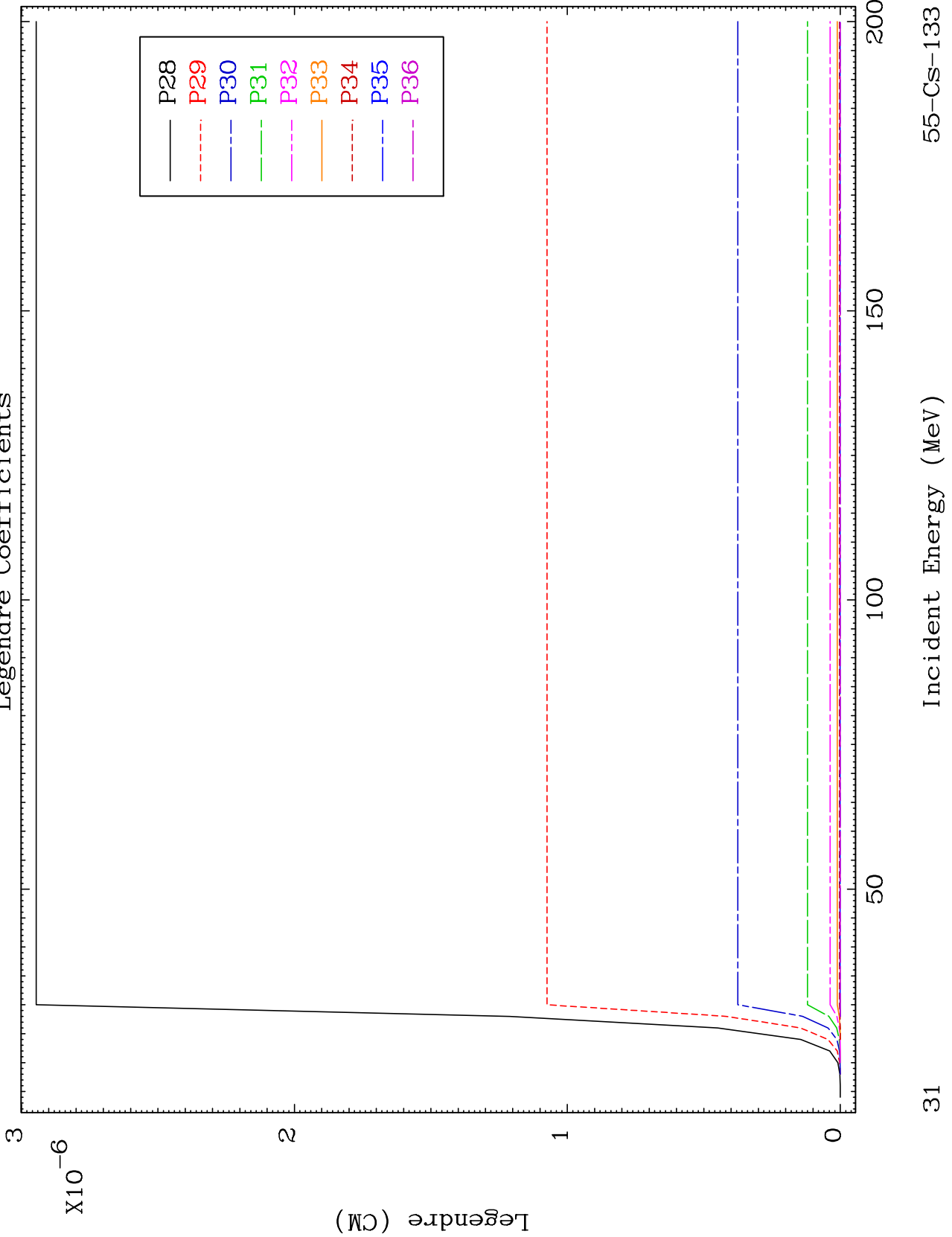
100

50

MAT 5525

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

55-Cs-133



55-Cs-133

Incident Energy (MeV)

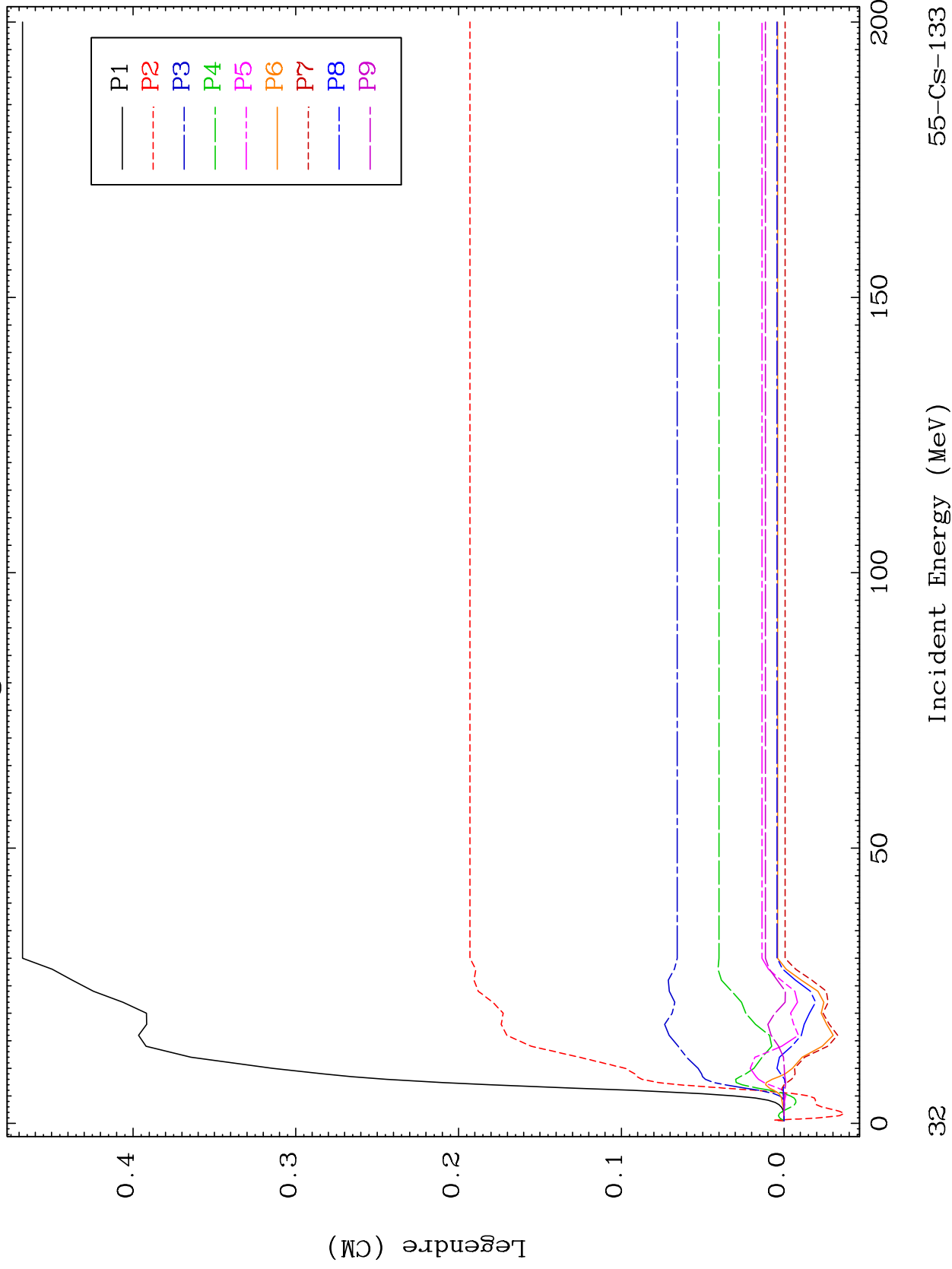
31



MAT 5525

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

55-Cs-133



55-Cs-133

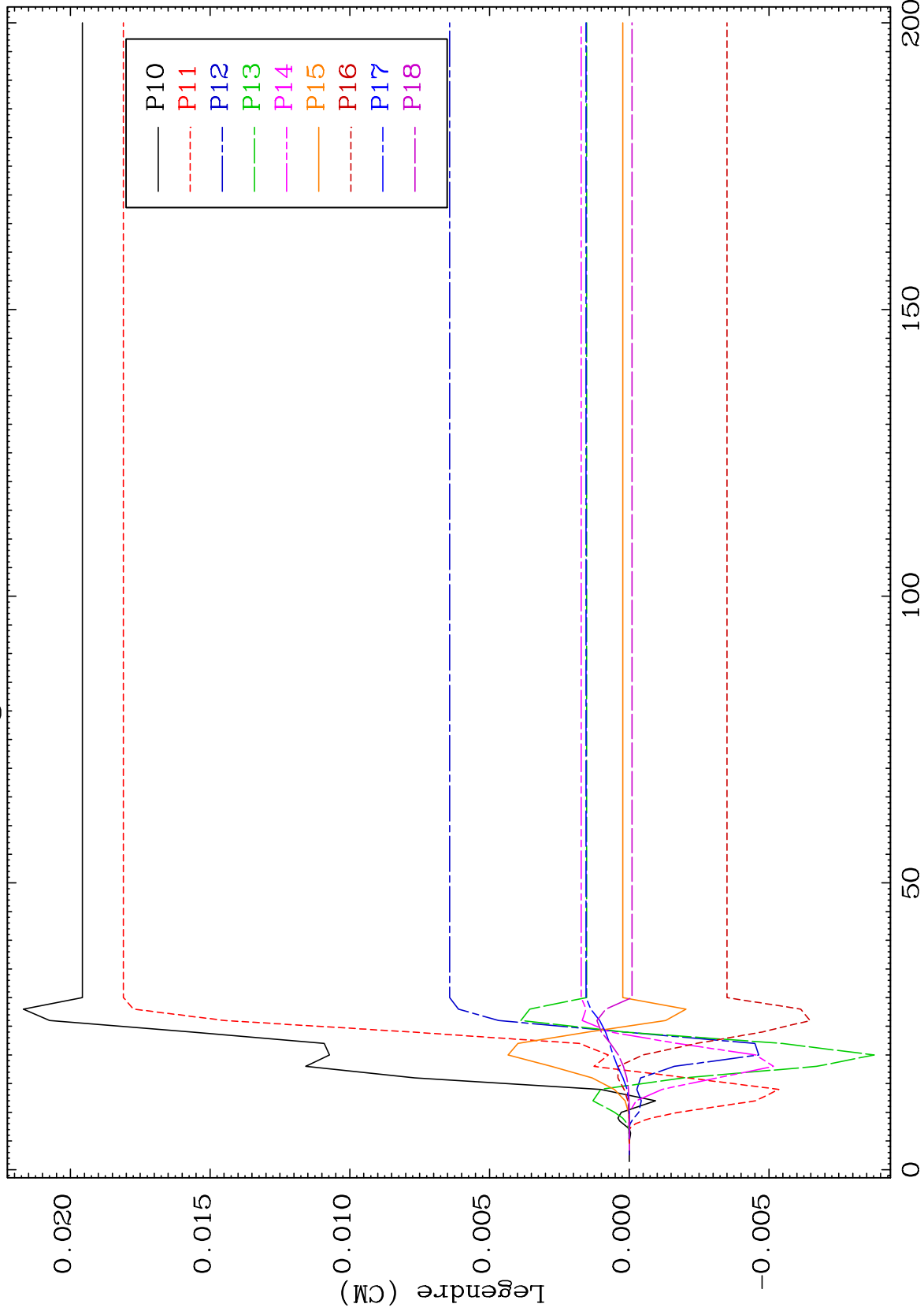
Incident Energy (MeV)

32

MAT 5525

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

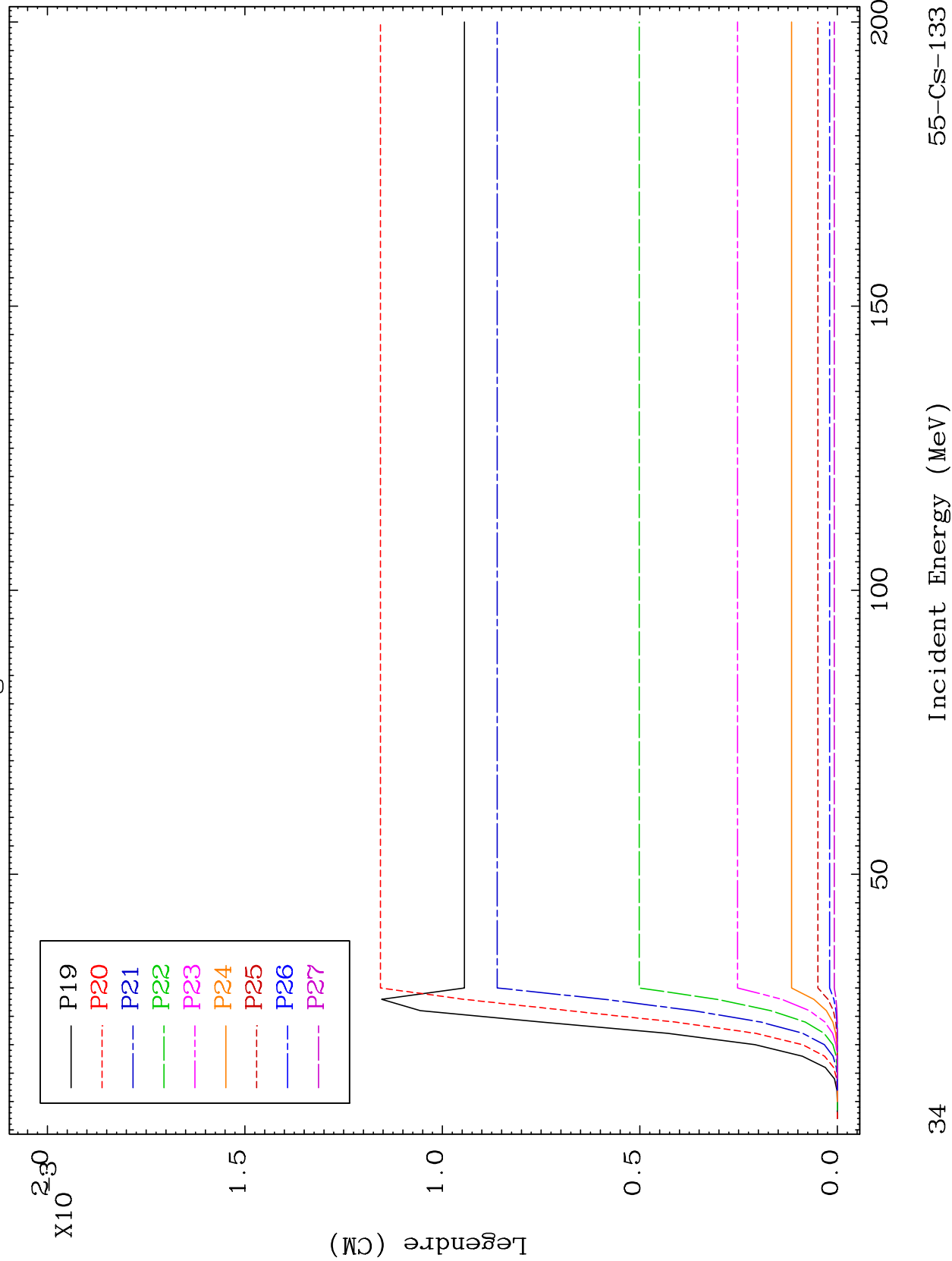
55-Cs-133



33

Incident Energy (MeV)

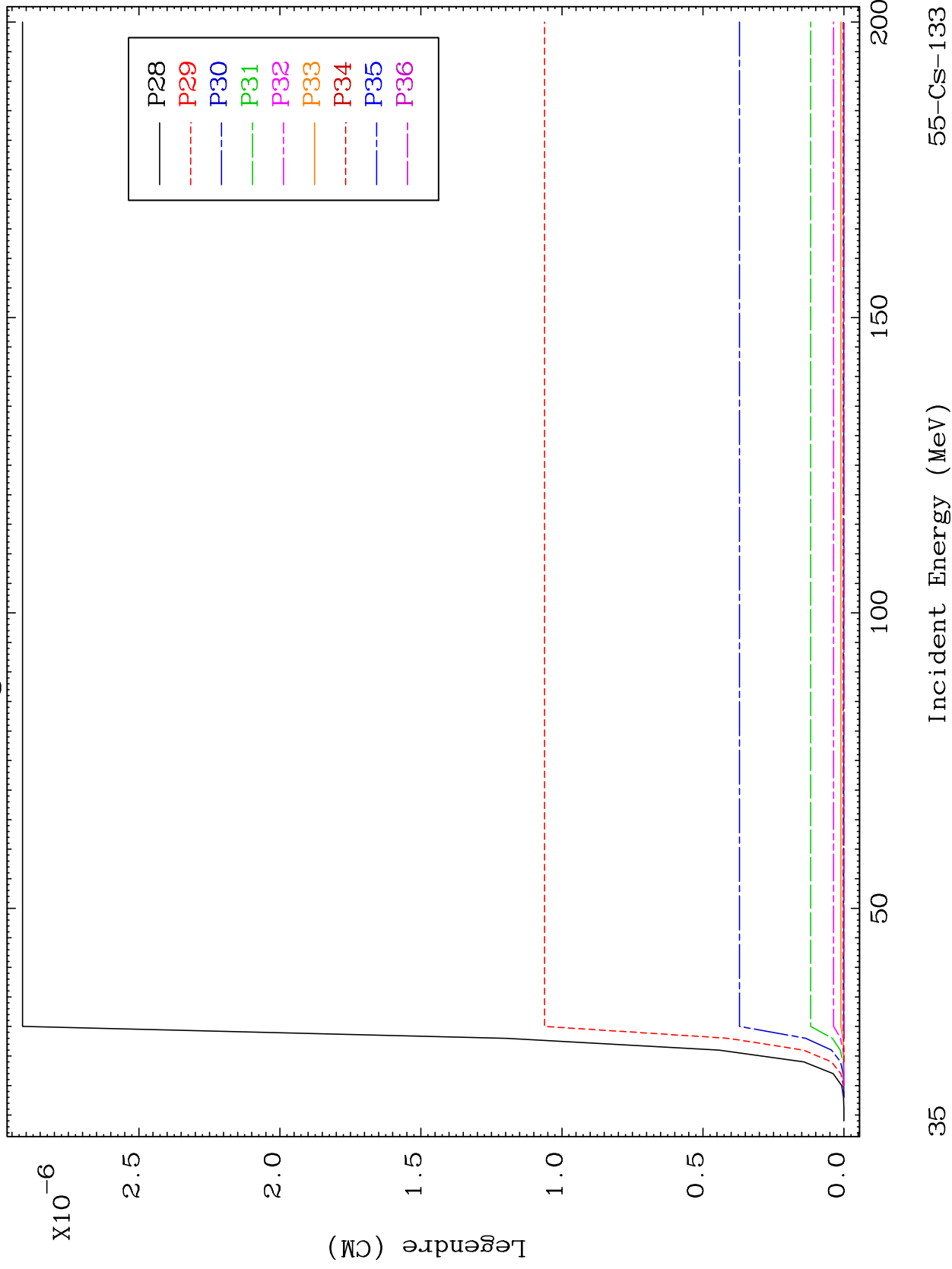
55-Cs-133



MAT 5525

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

55-Cs-133



35

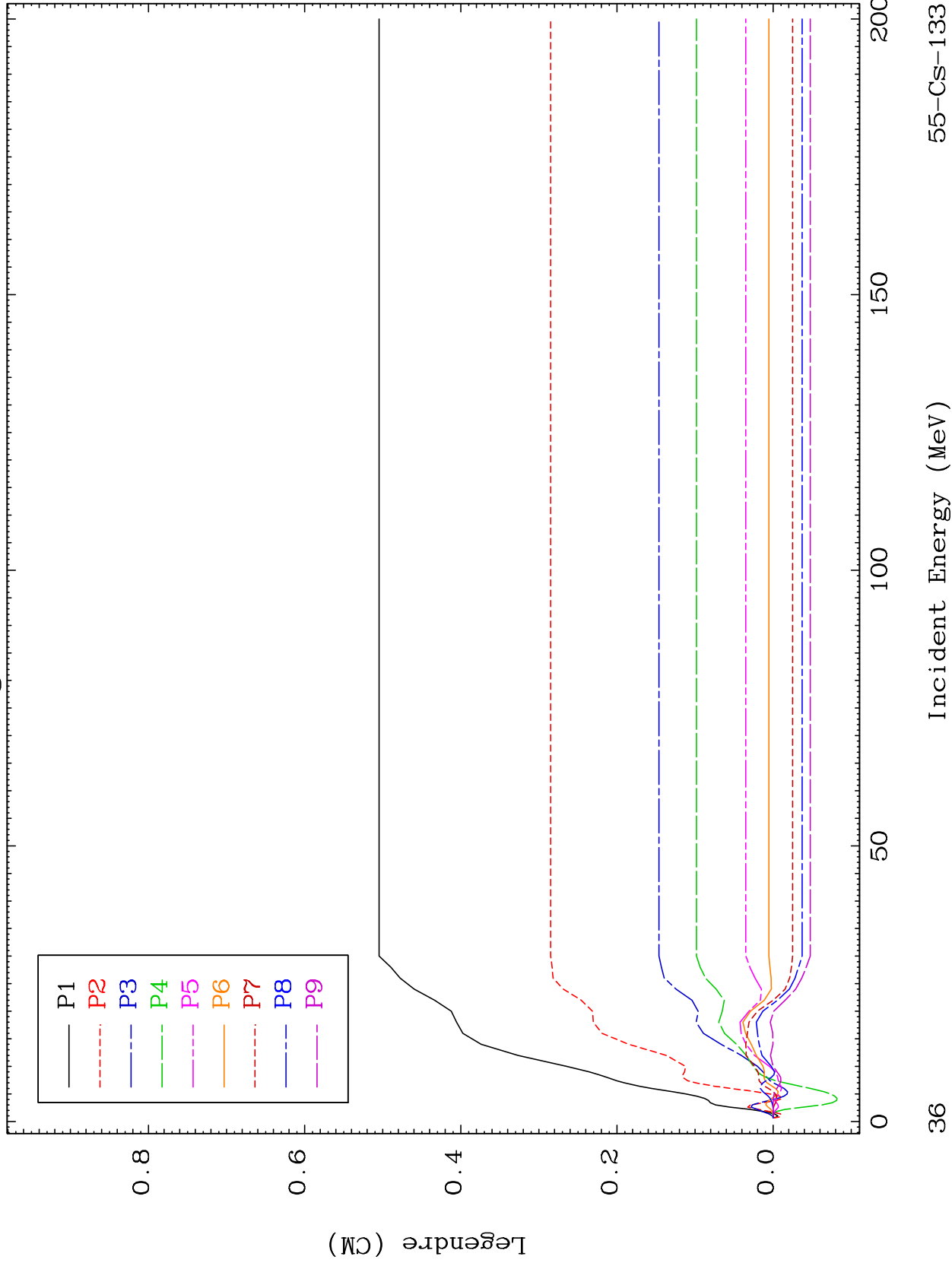
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



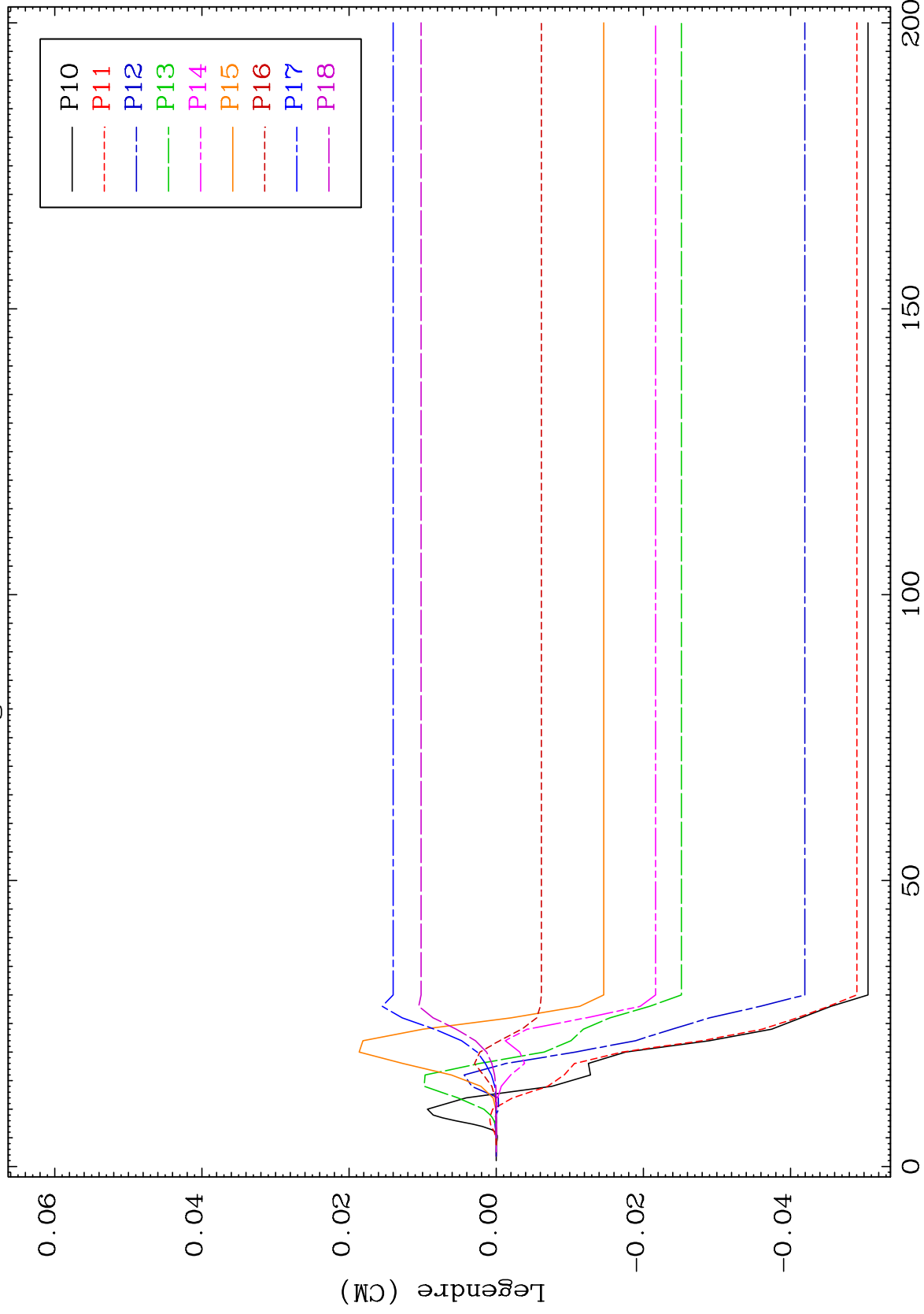
36

55-Cs-133

MAT 5525

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

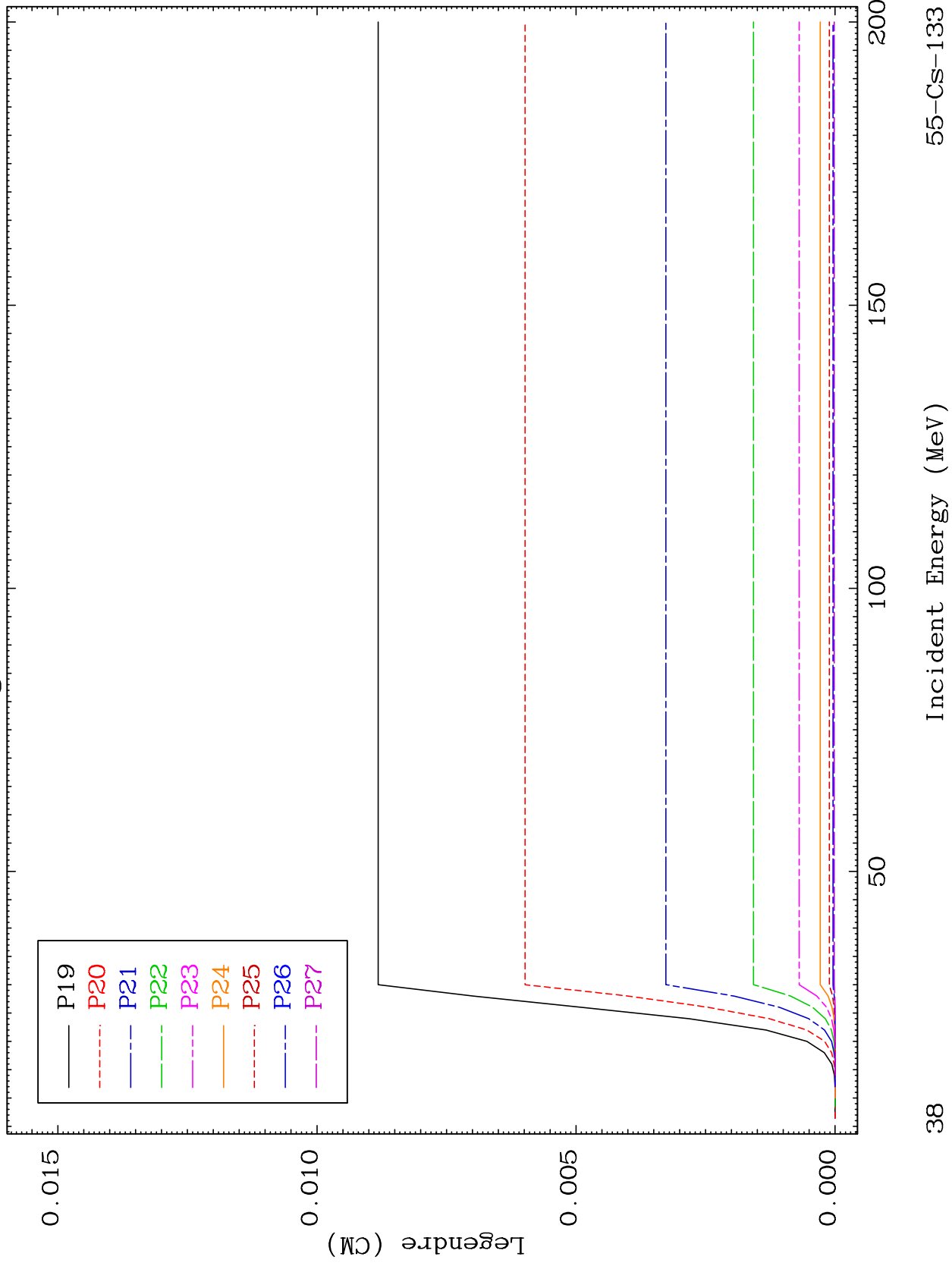
55-Cs-133



37

Incident Energy (MeV)

55-Cs-133



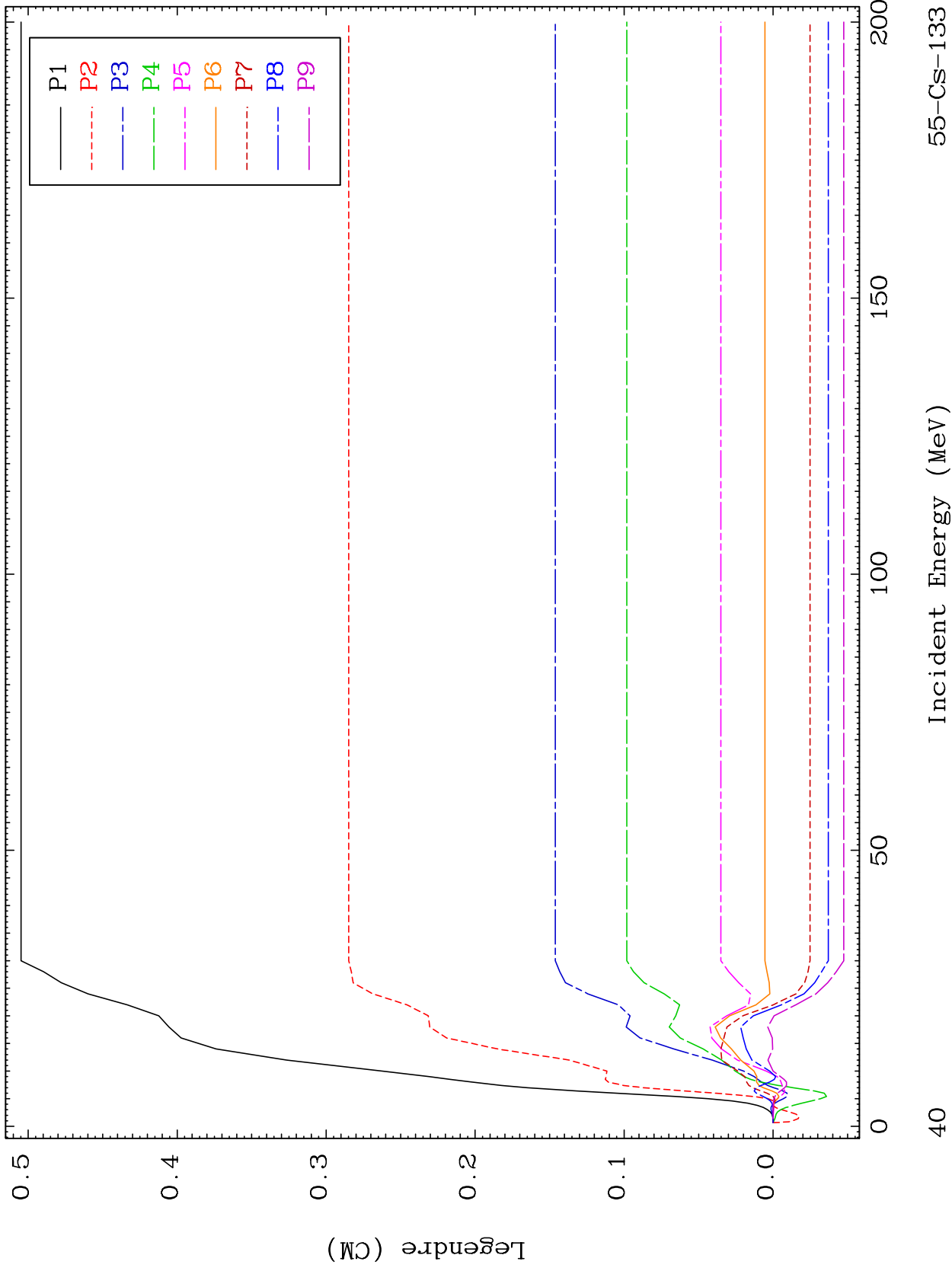




MAT 5525

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

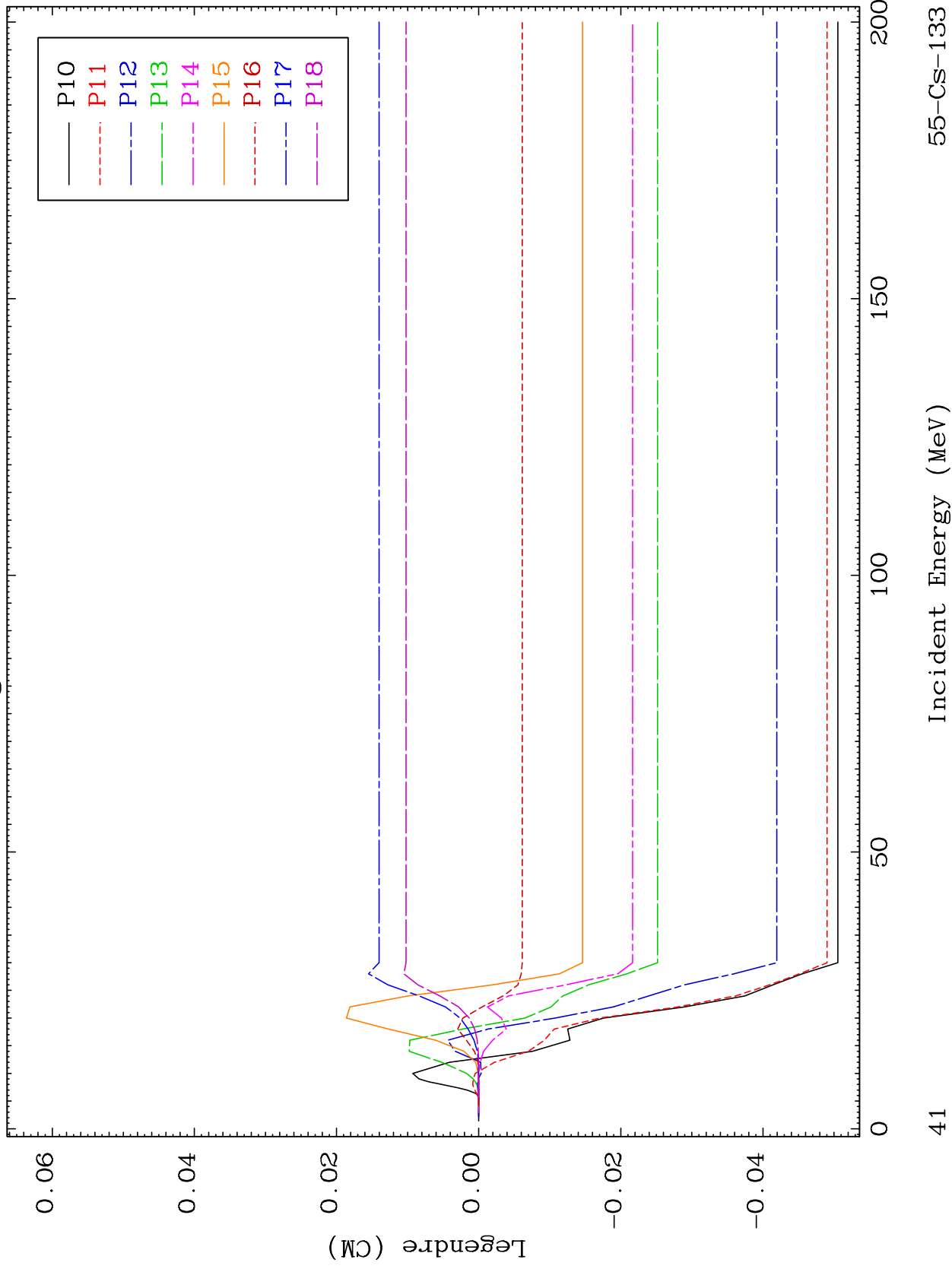
55-Cs-133



MAT 5525

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

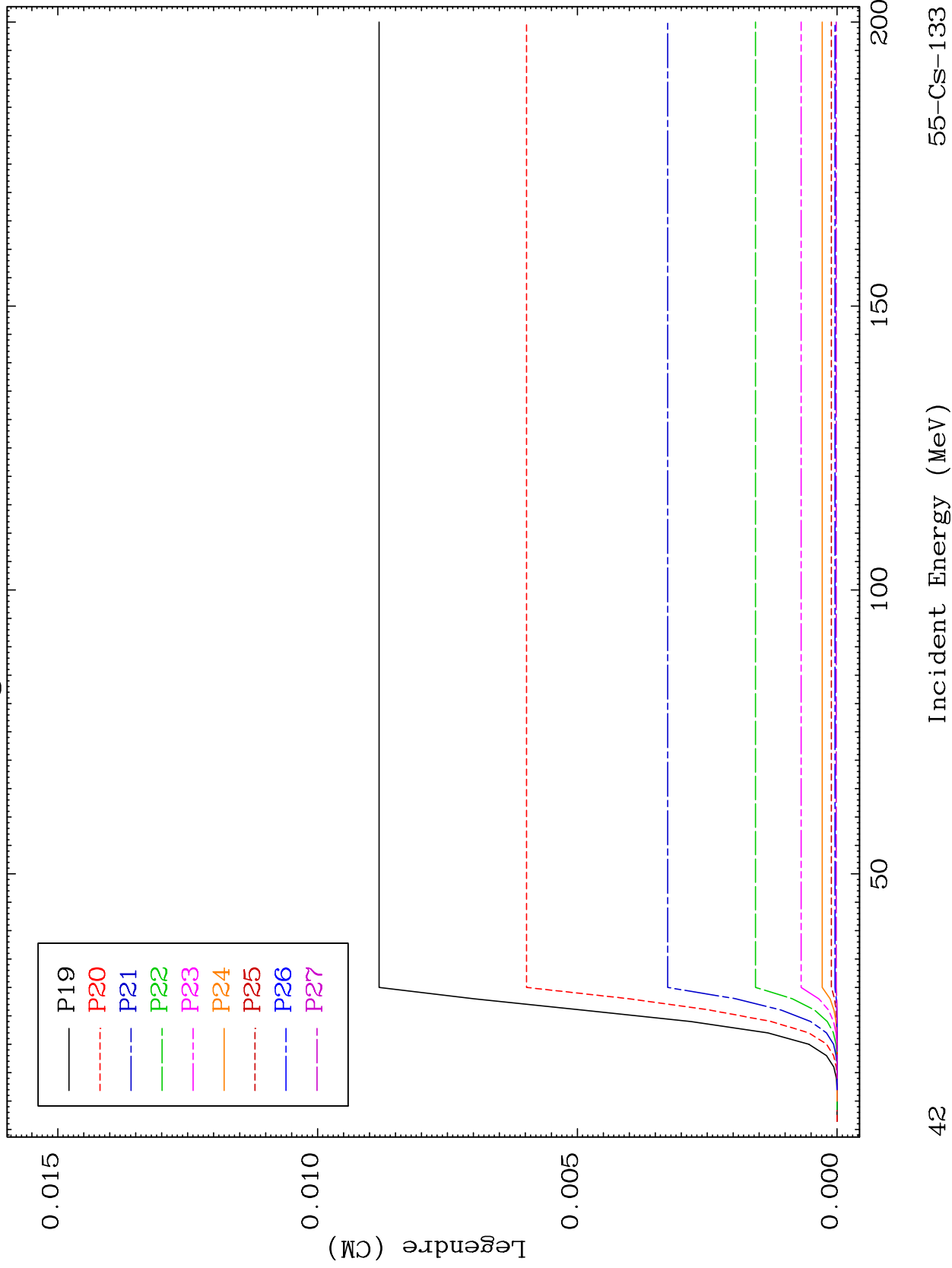
55-Cs-133



41

Incident Energy (MeV)

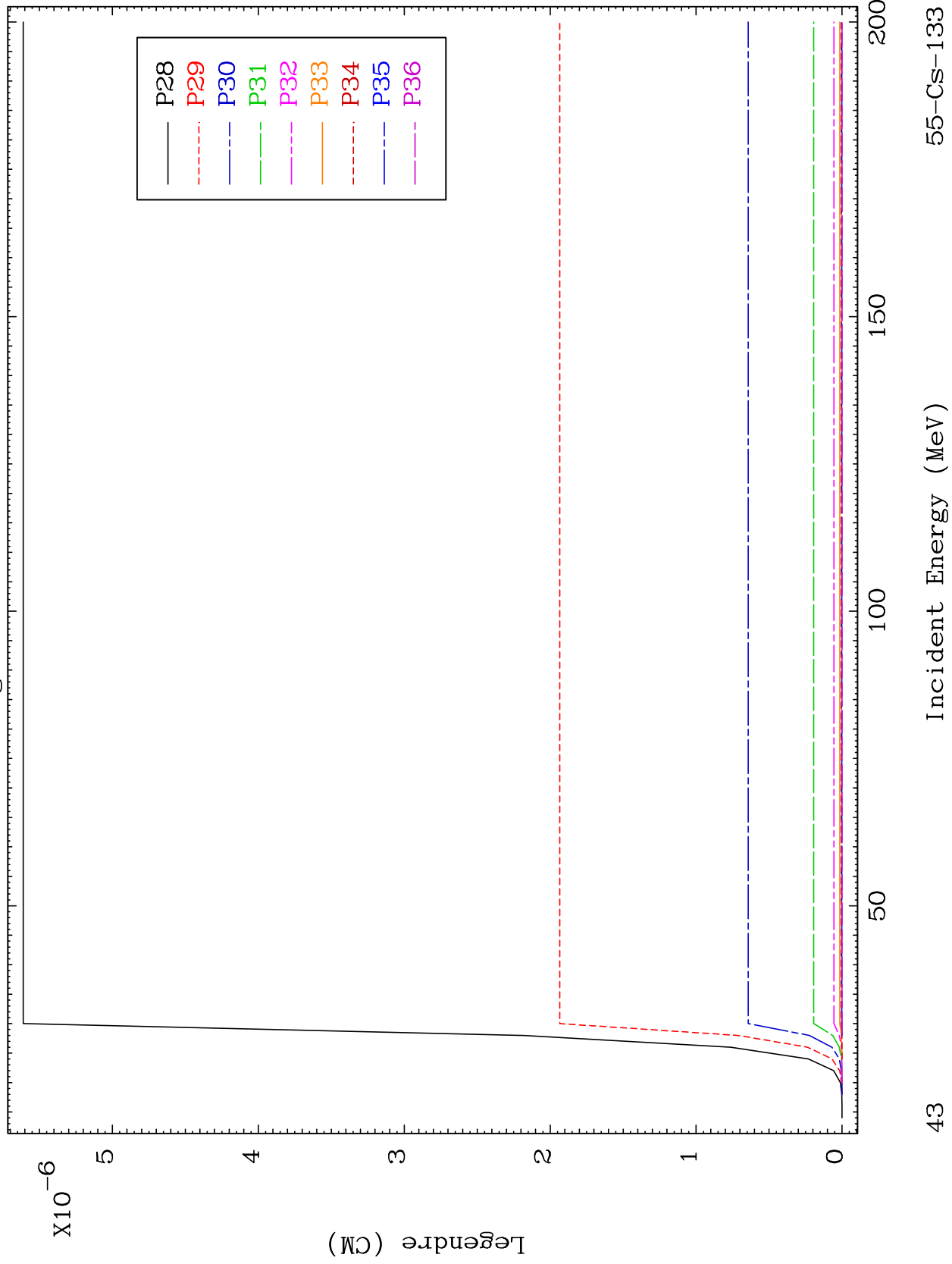
55-Cs-133



MAT 5525

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

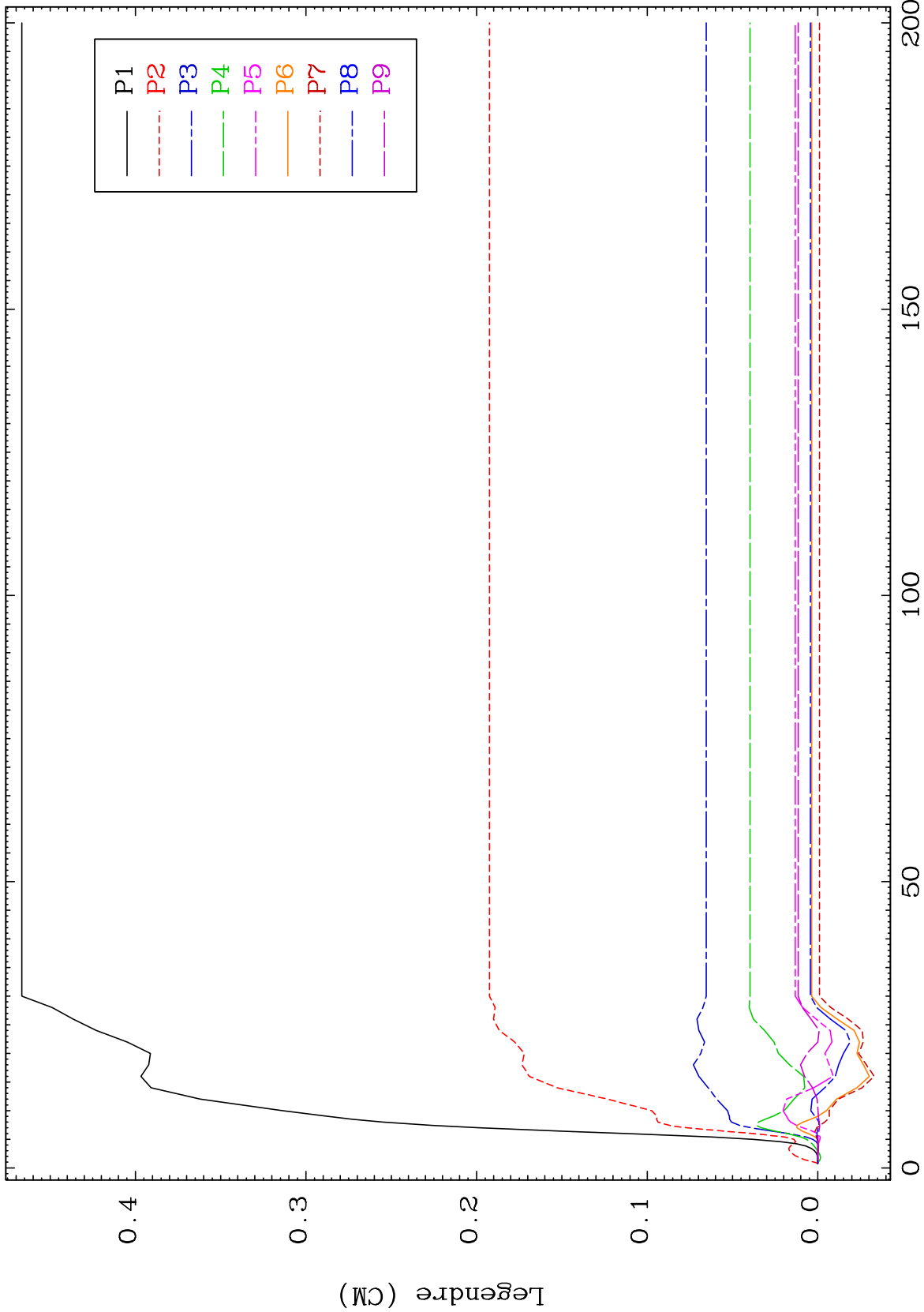
55-Cs-133



MAT 5525

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

55-Cs-133



44

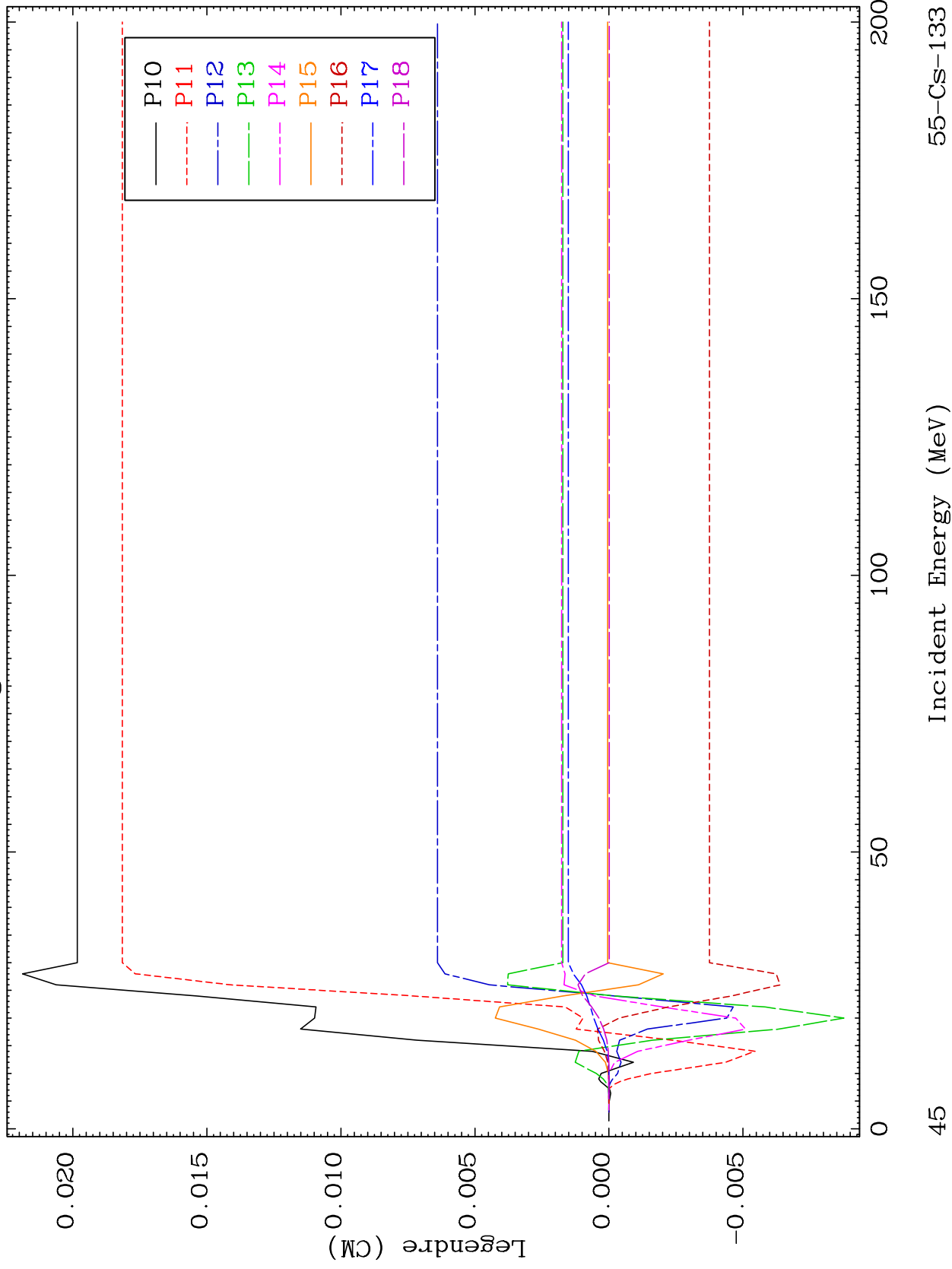
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



55-Cs-133

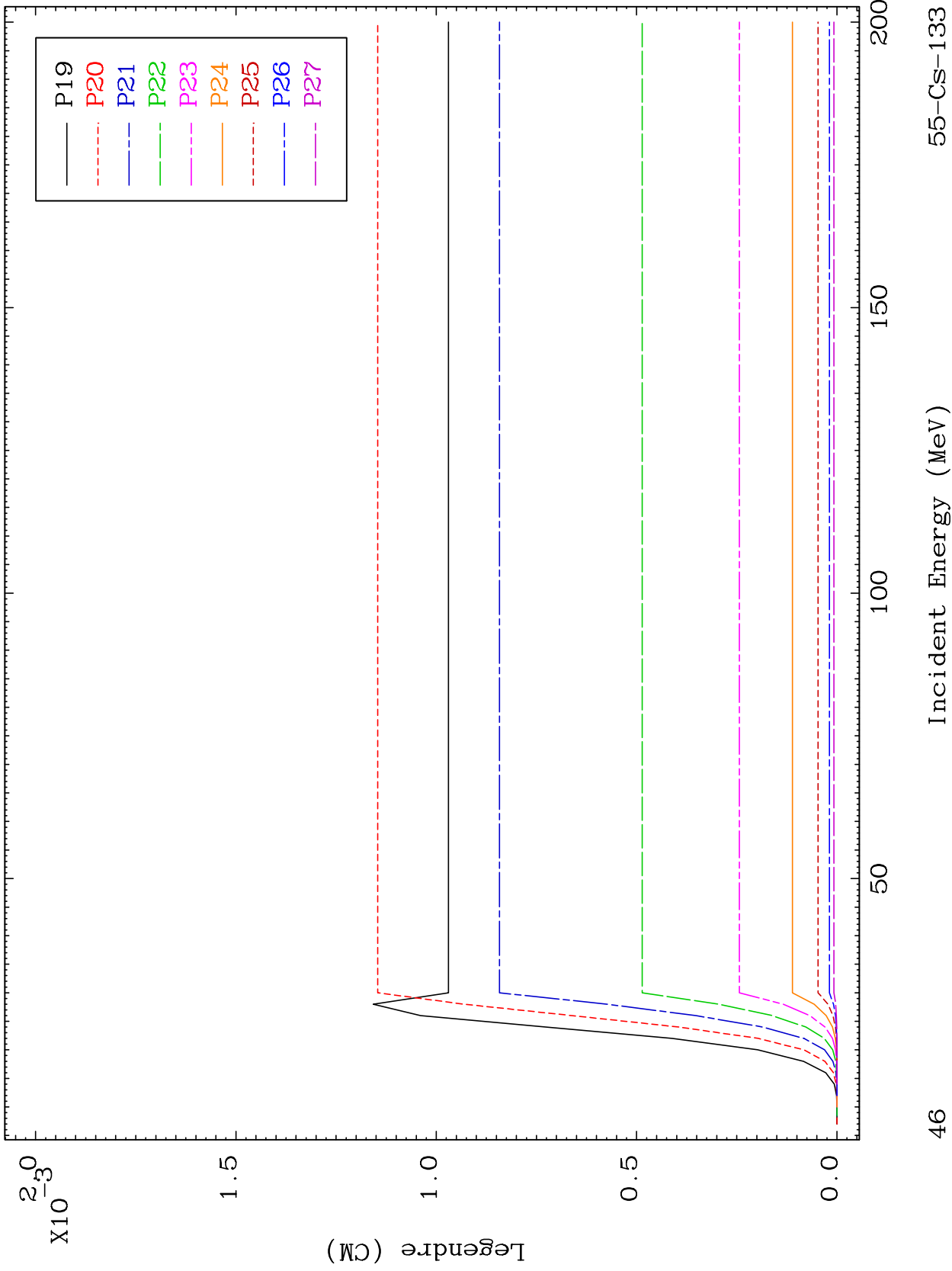
Incident Energy (MeV)

45

MAT 5525

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

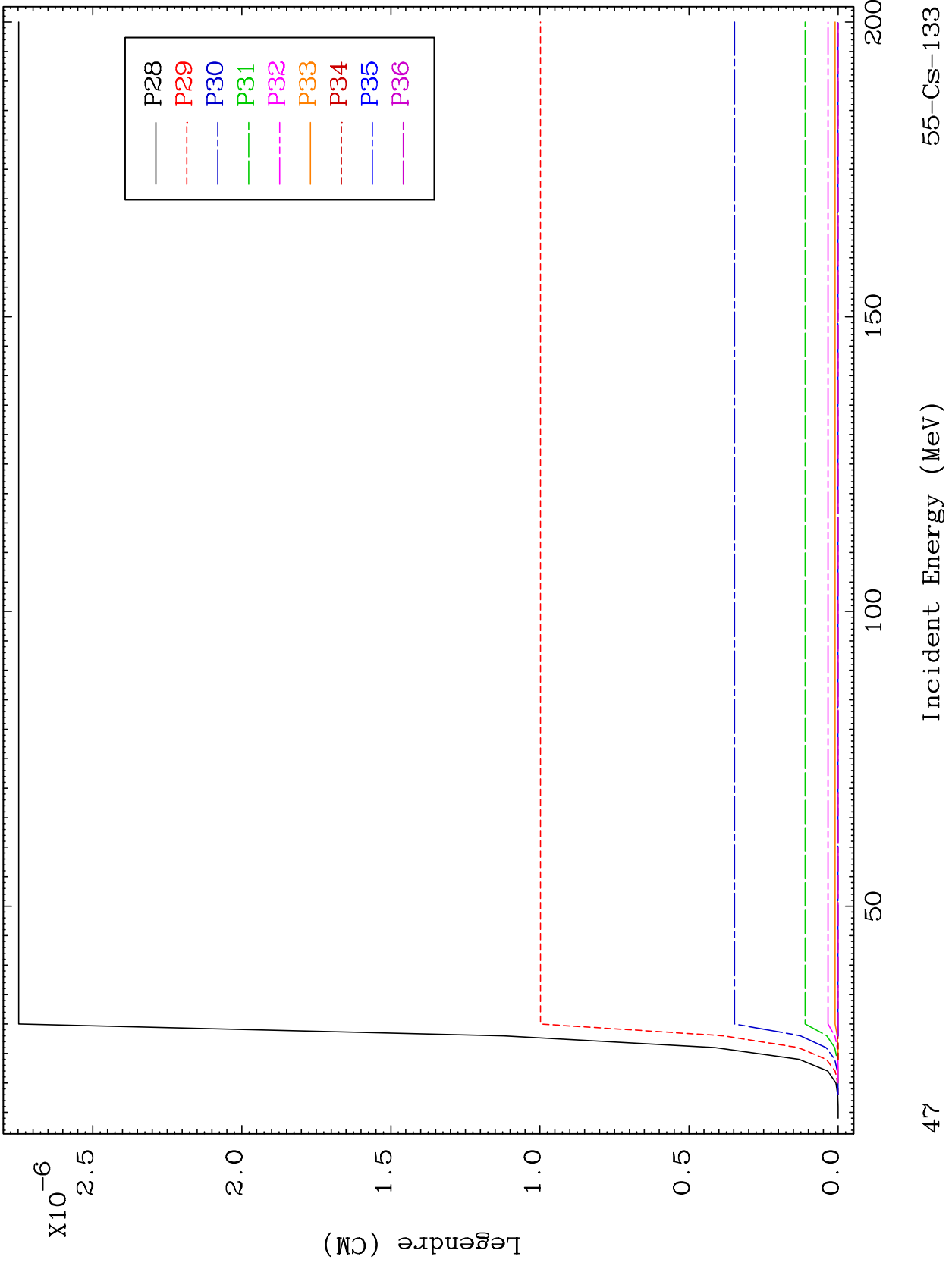
55-Cs-133



MAT 5525

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

55-Cs-133

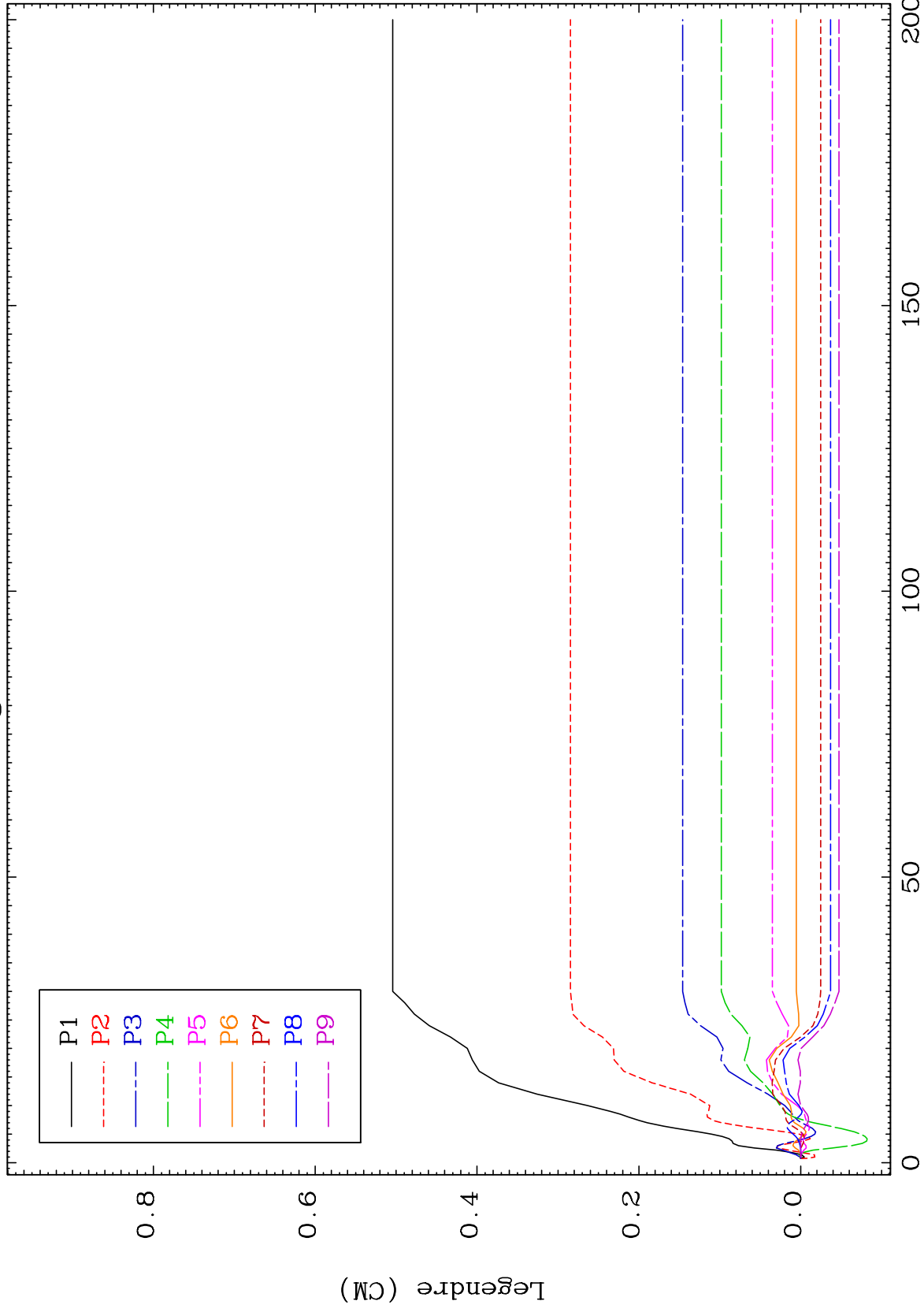




MAT 5525

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

55-Cs-133



48

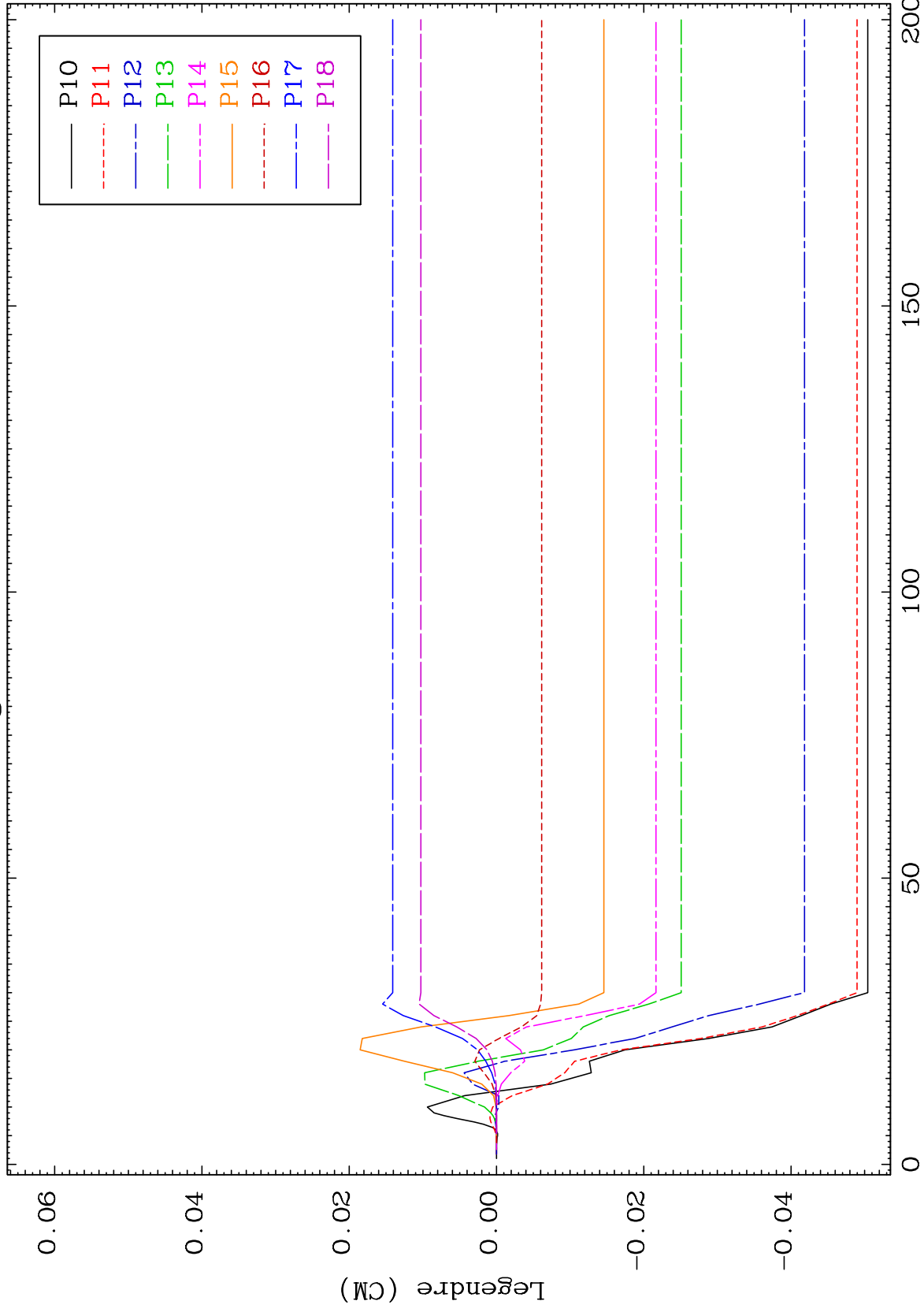
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



49

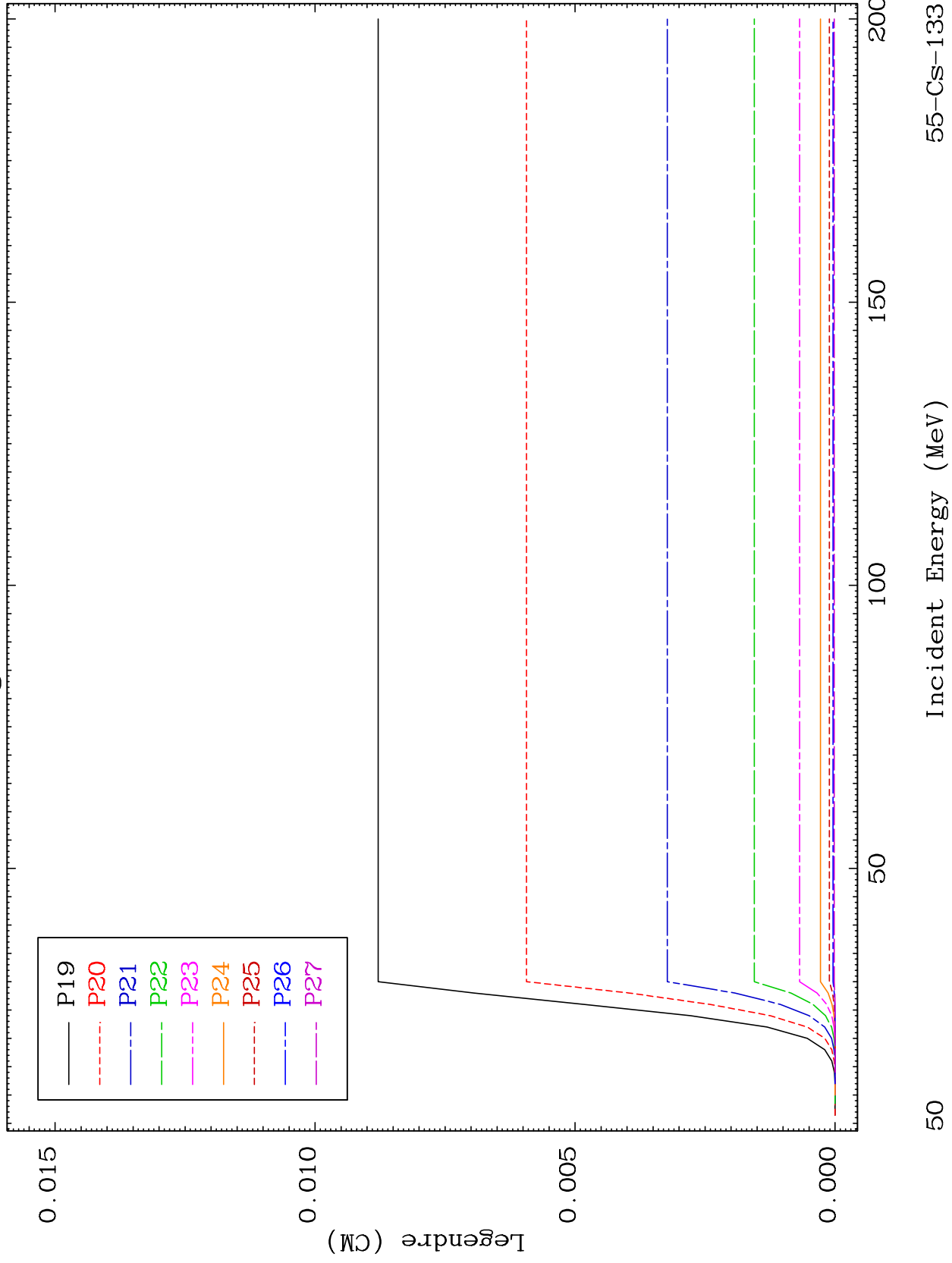
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



55-Cs-133

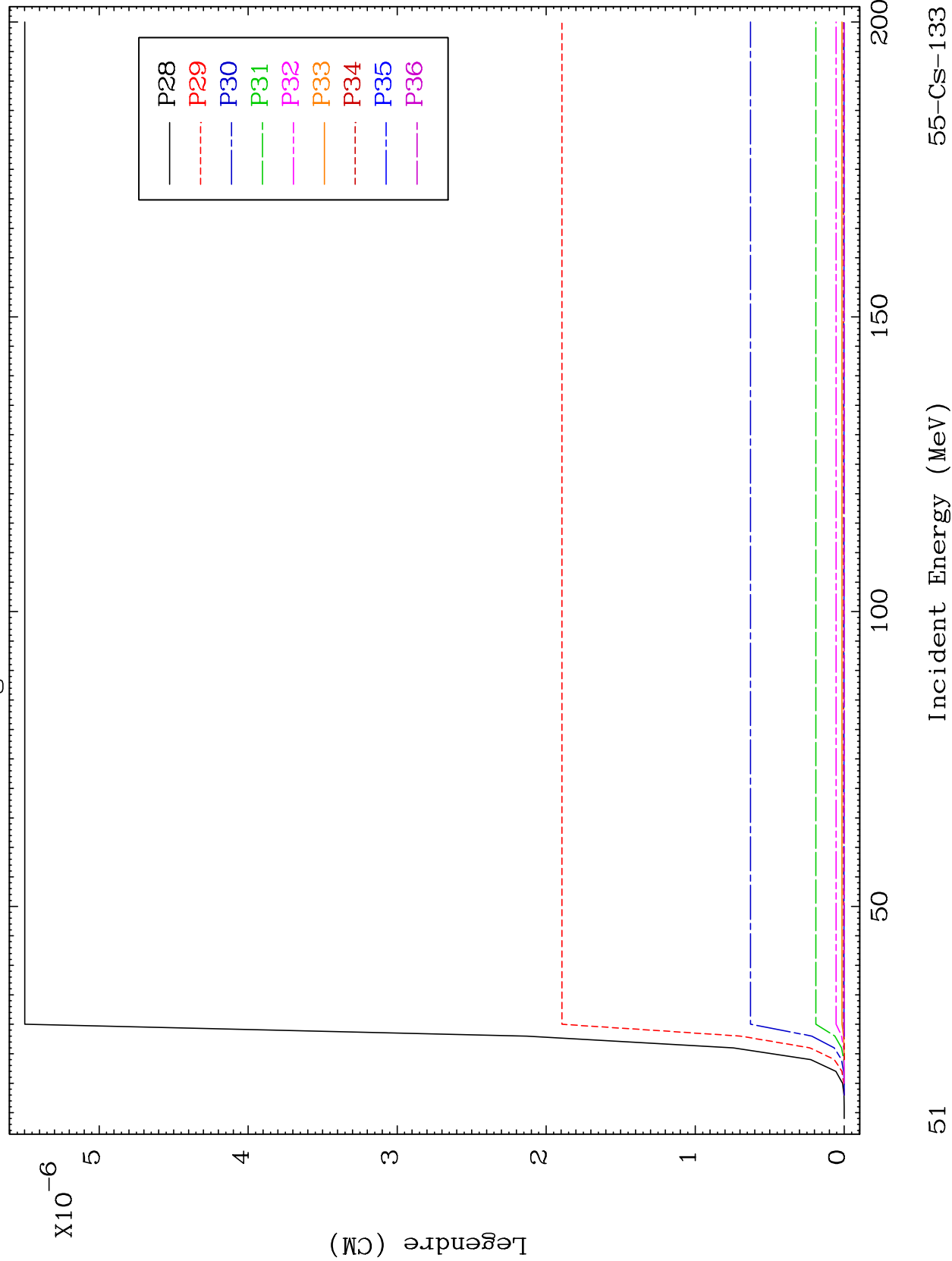
Incident Energy (MeV)

50

MAT 5525

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

55-Cs-133



51

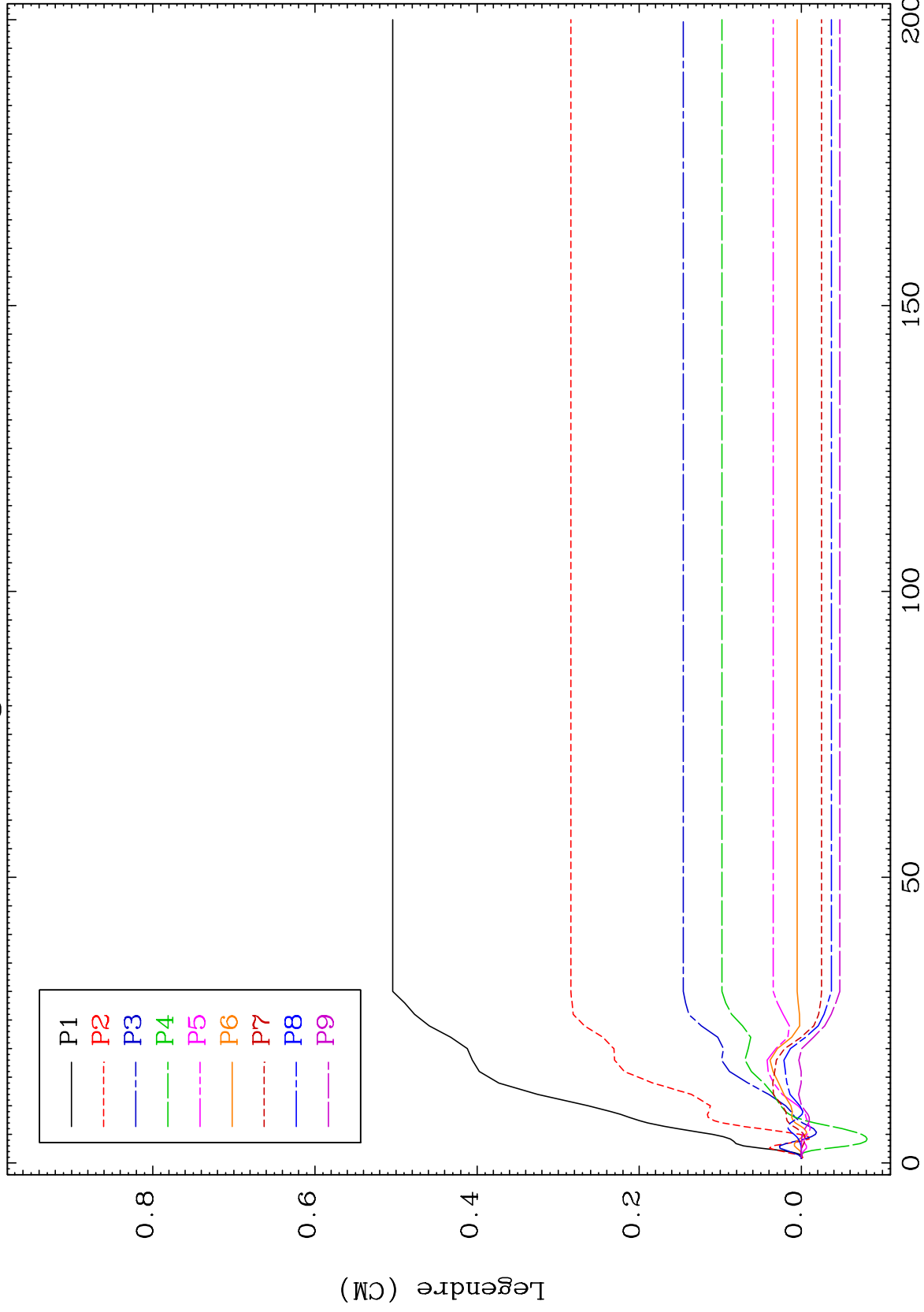
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



52

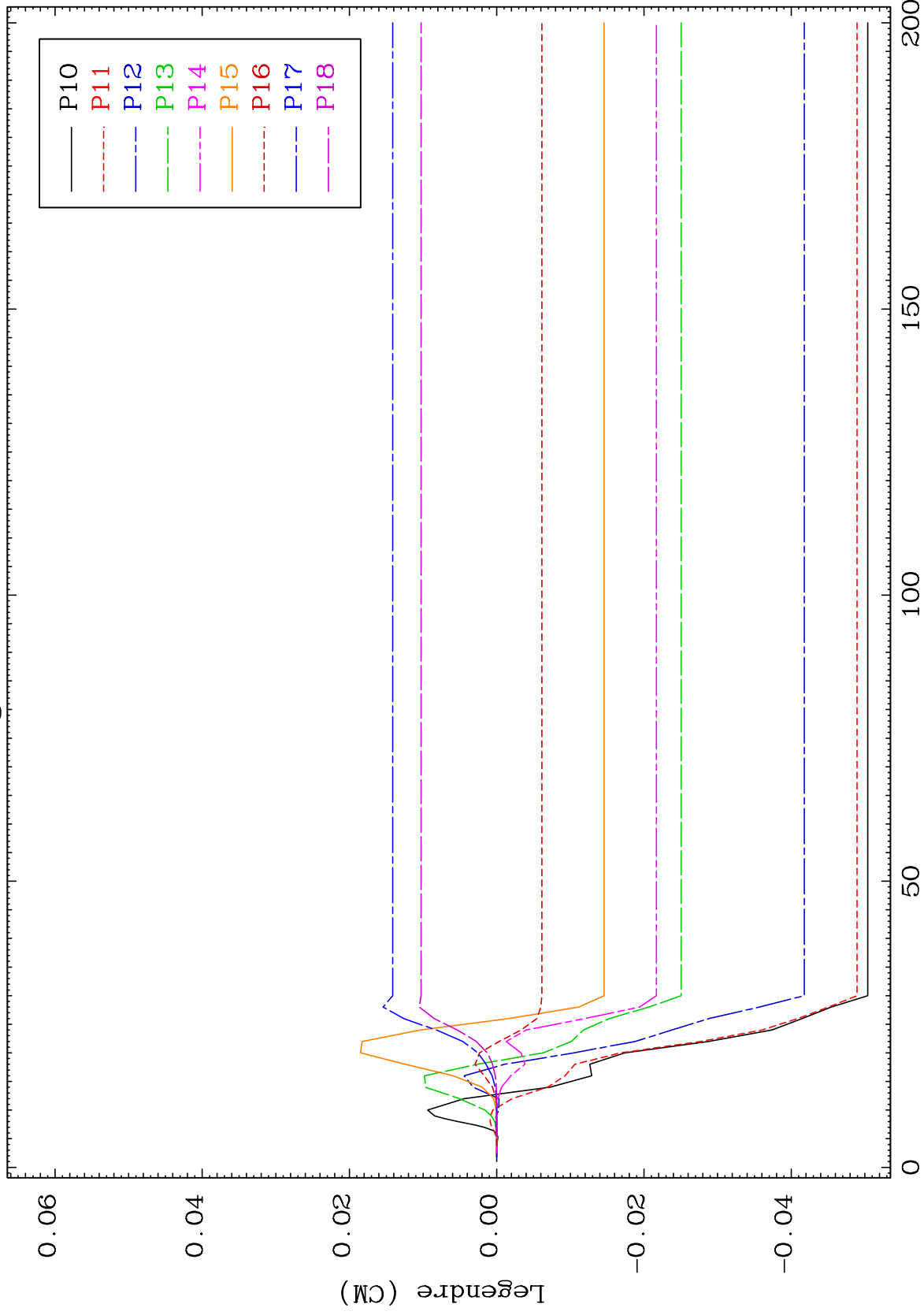
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

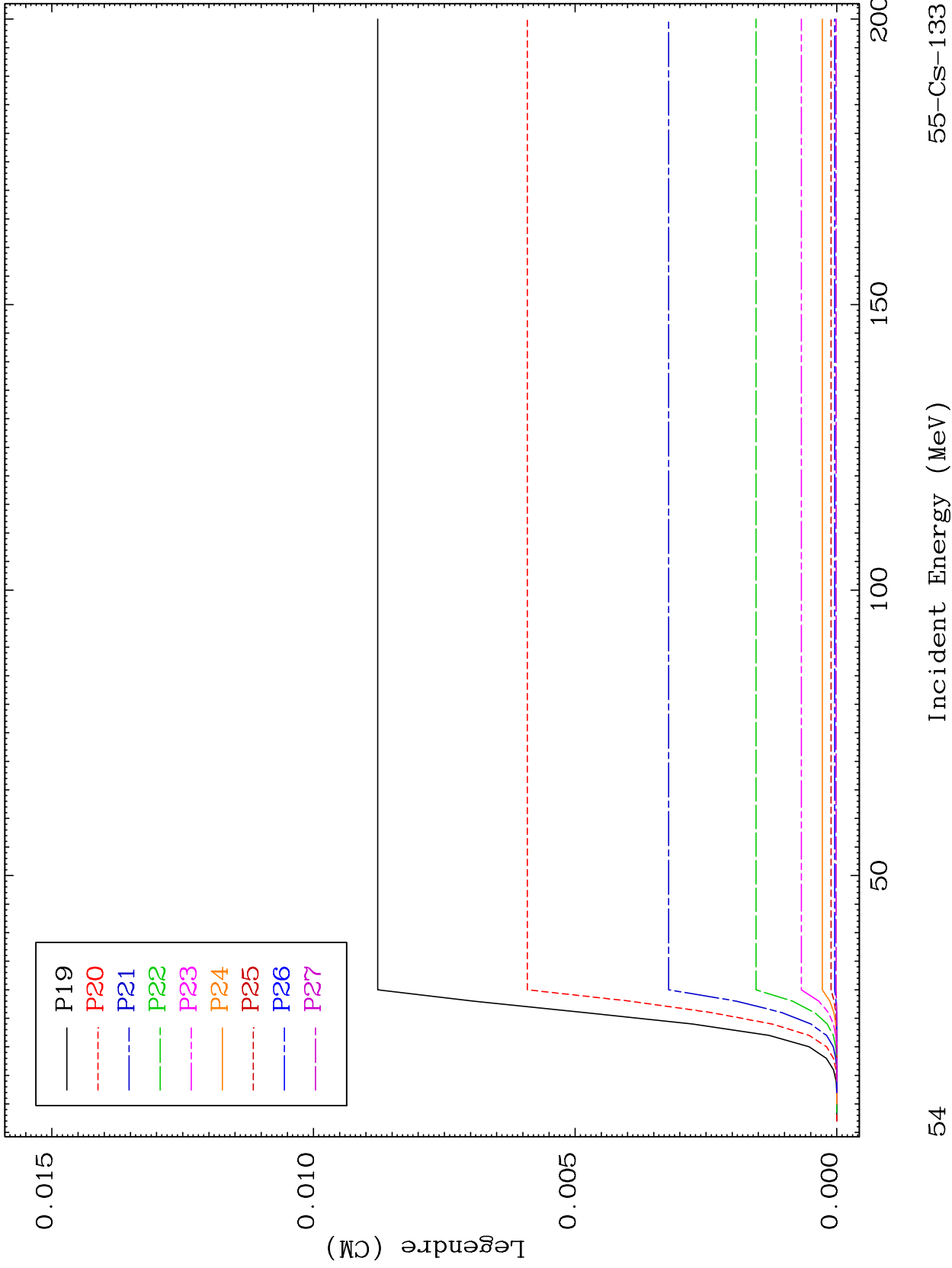
55-Cs-133



53

Incident Energy (MeV)

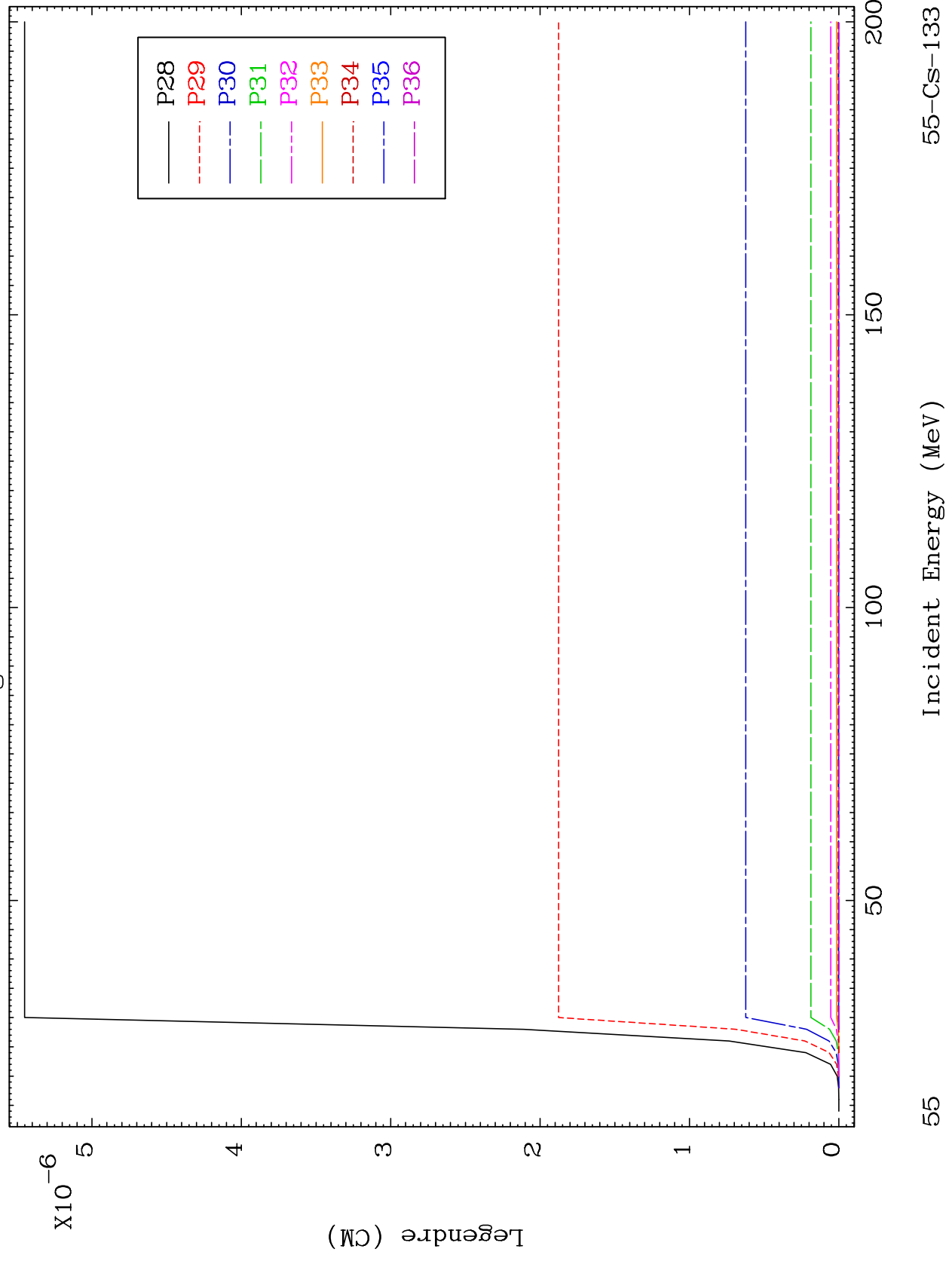
55-Cs-133



MAT 5525

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

55-Cs-133

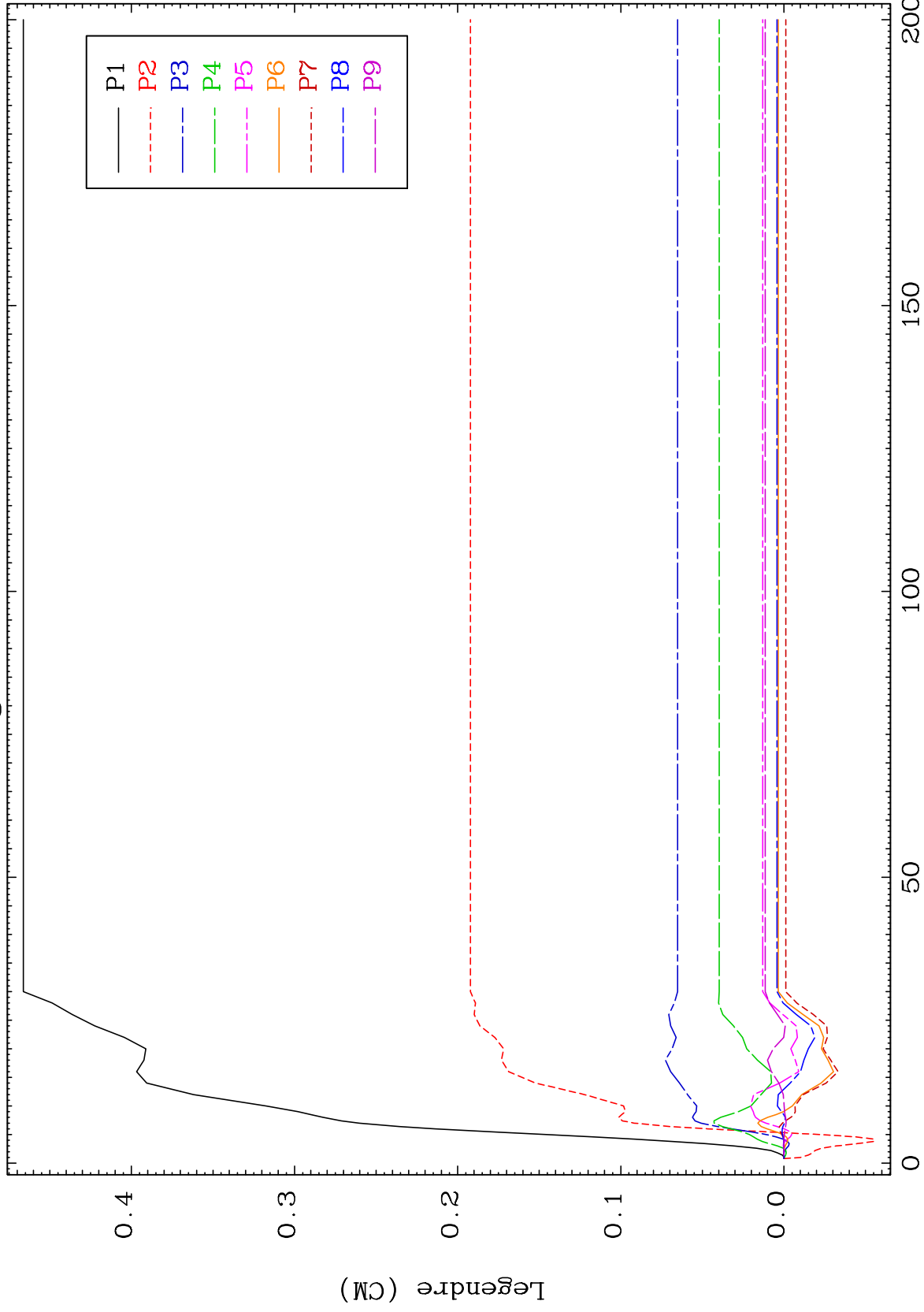




MAT 5525

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

55-Cs-133



56

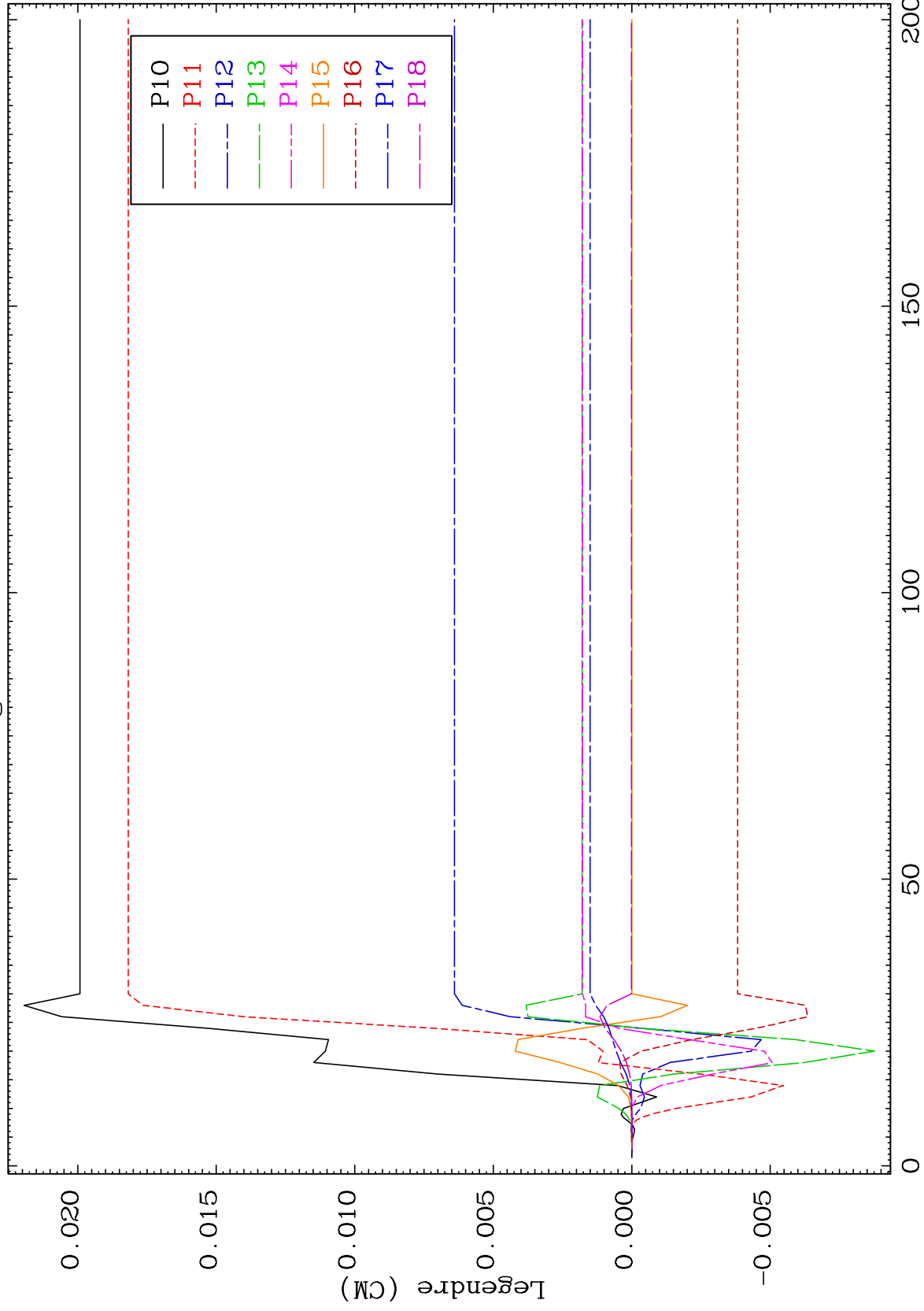
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



57

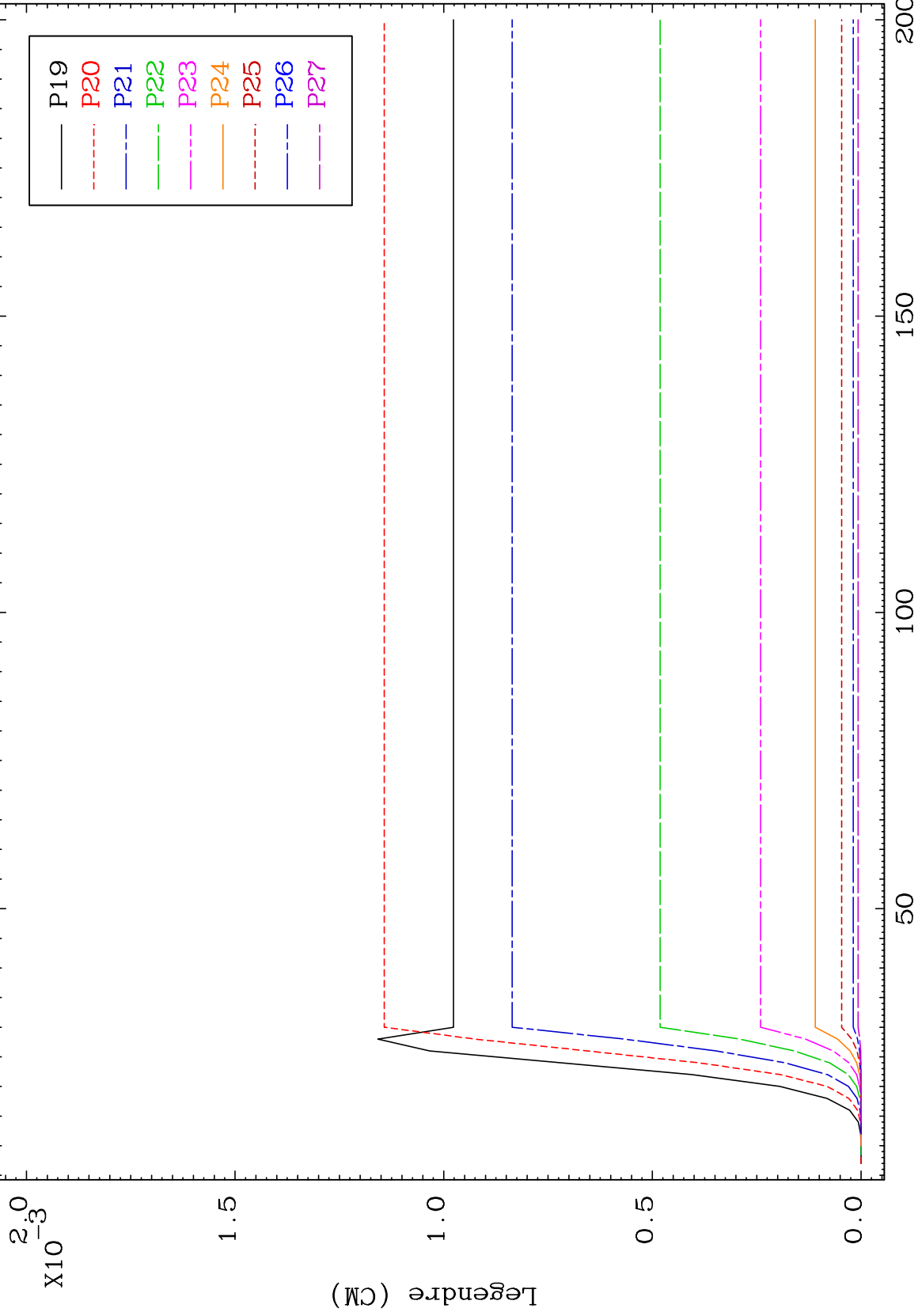
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



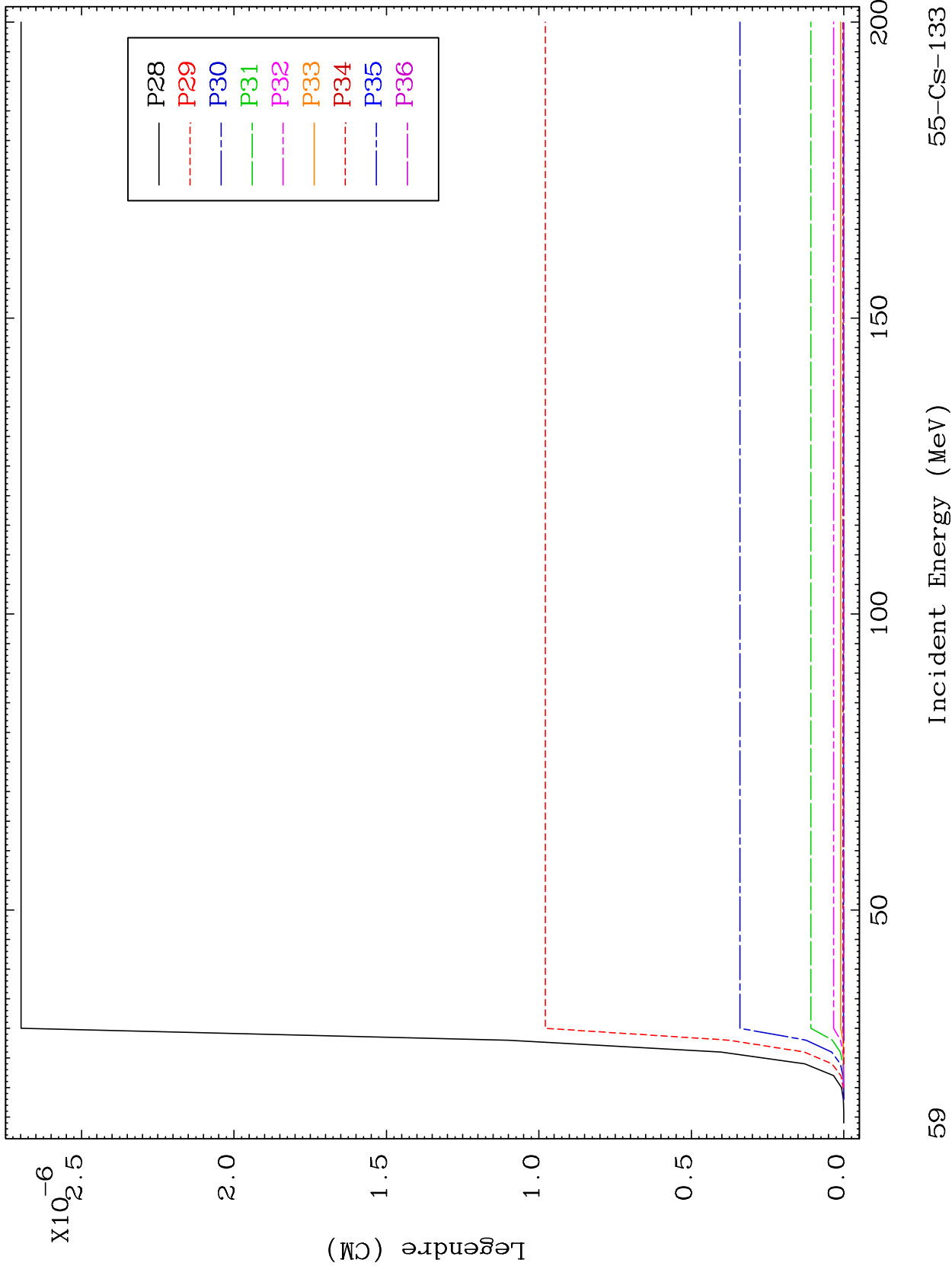
58

55-Cs-133

MAT 5525

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

55-Cs-133



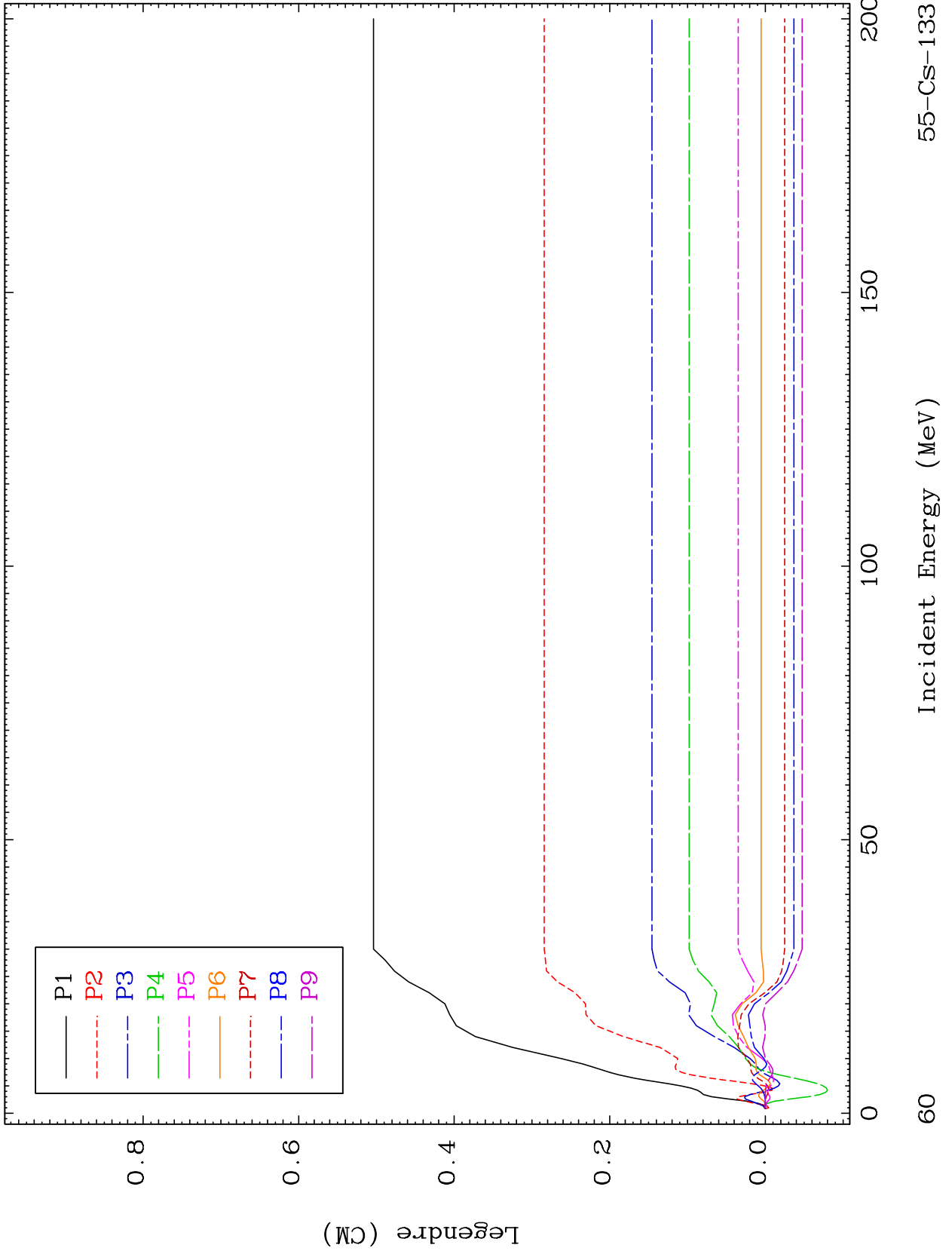
59

55-Cs-133

MAT 5525

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

55-Cs-133

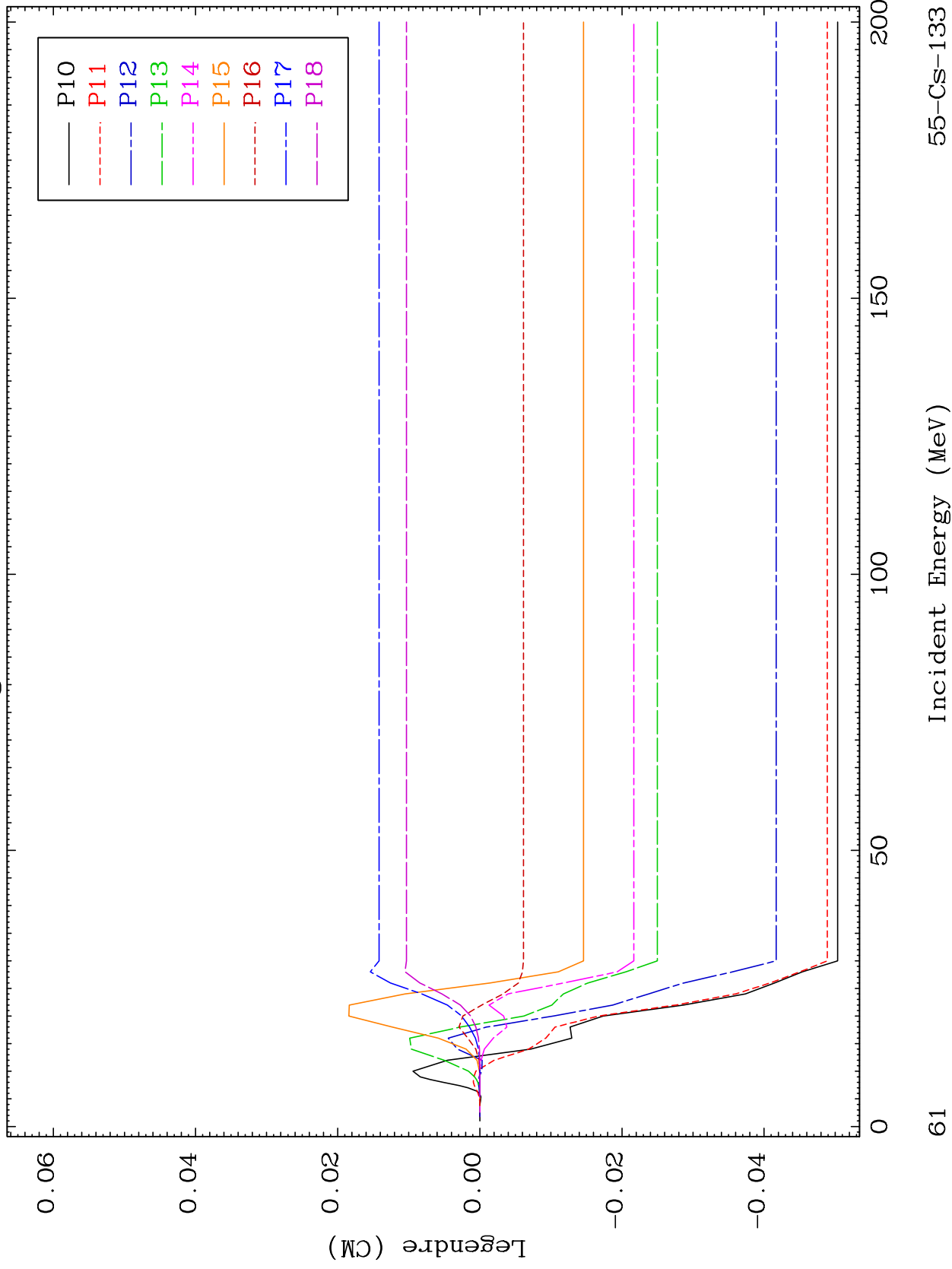


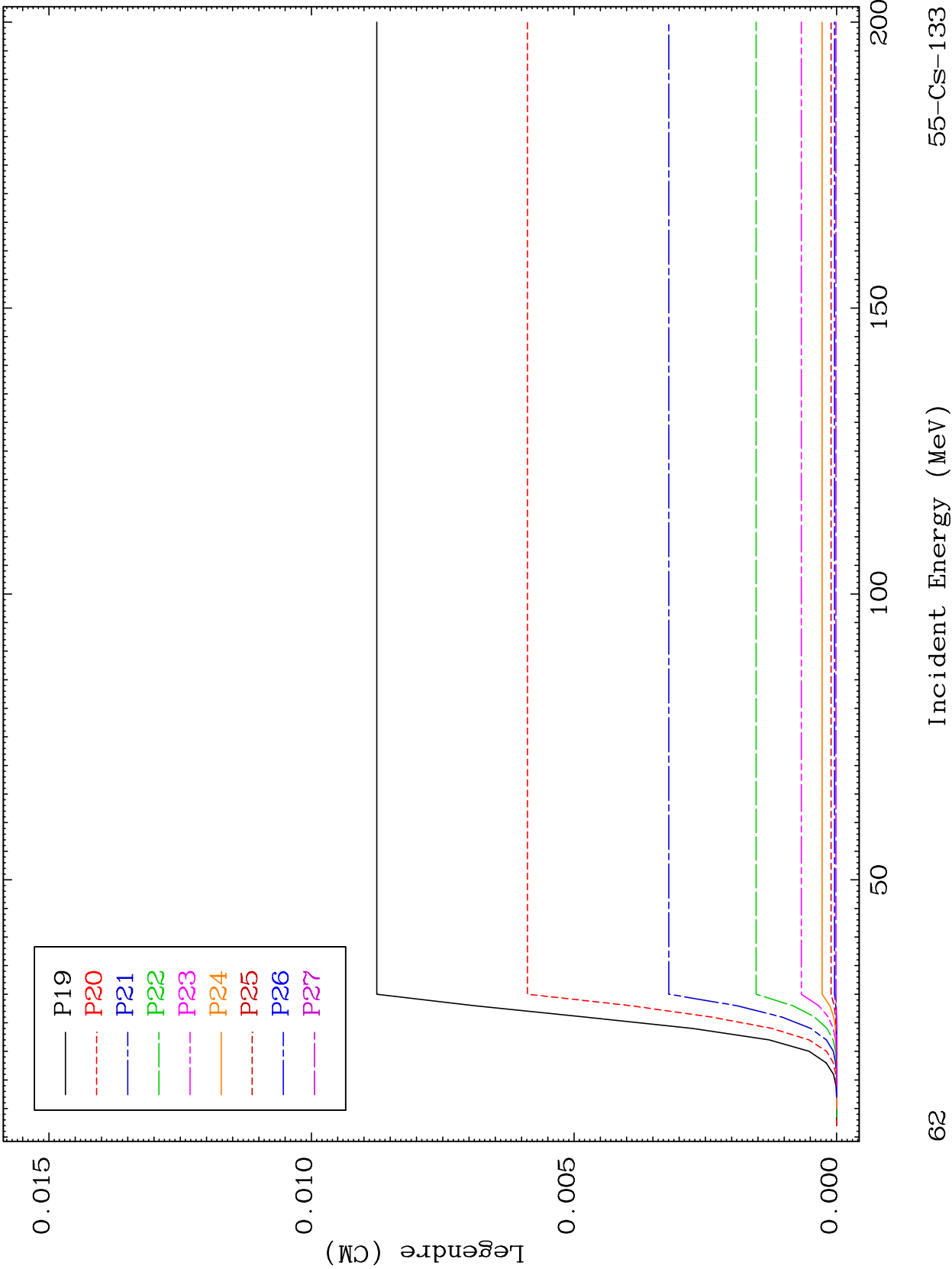
55-Cs-133

MAT 5525

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

55-Cs-133

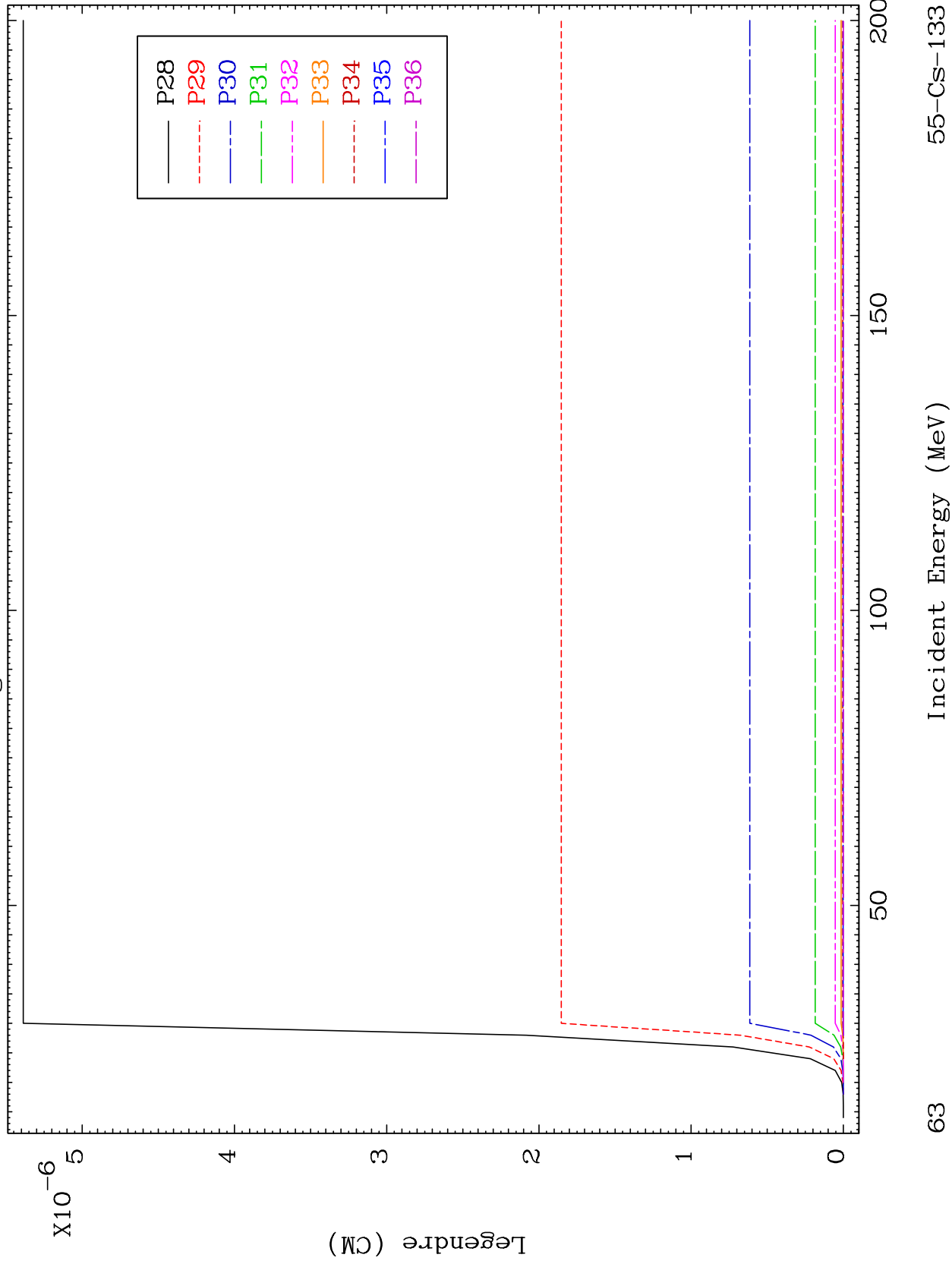




MAT 5525

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

55-Cs-133

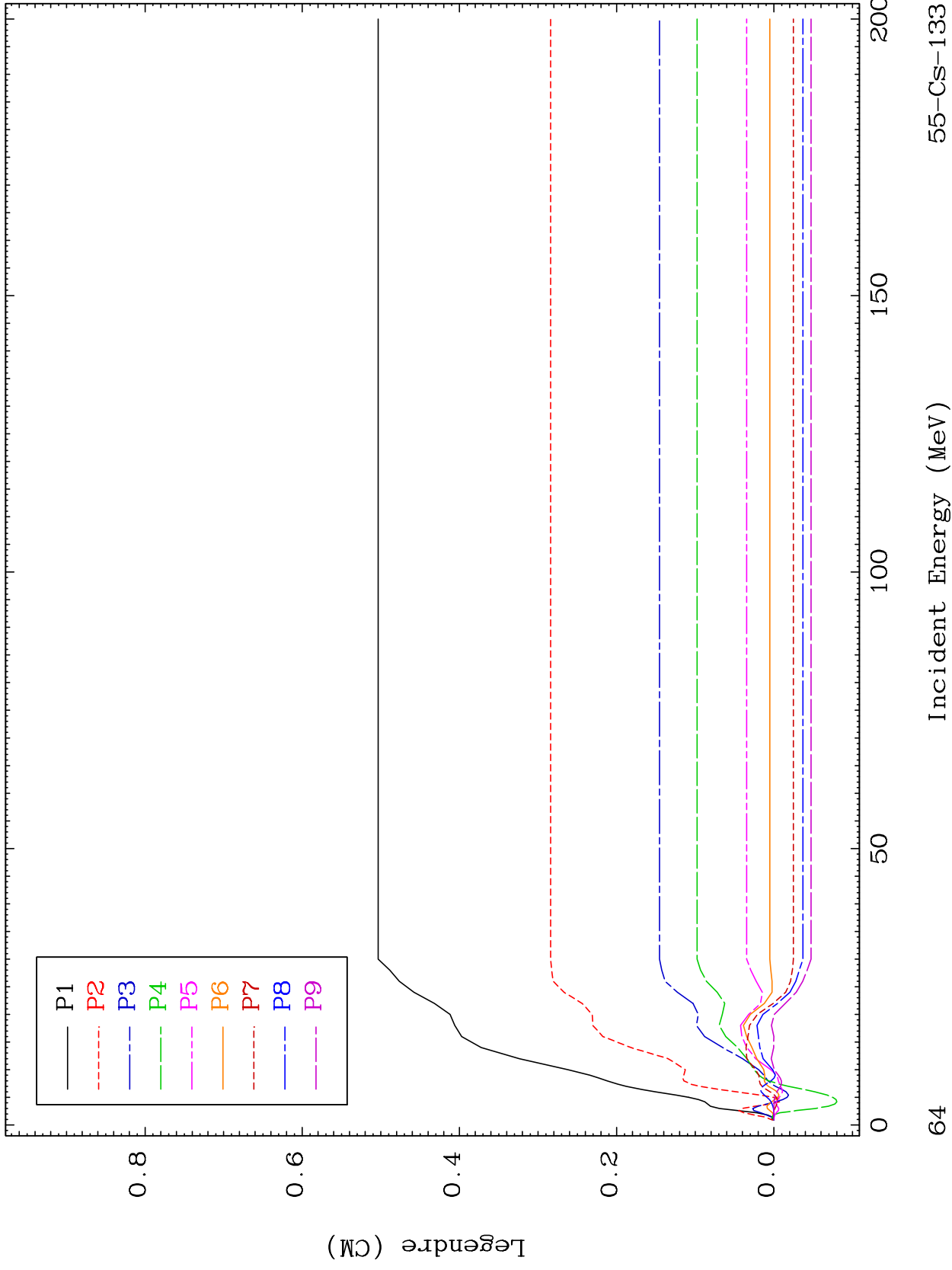




MAT 5525

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

55-Cs-133



64

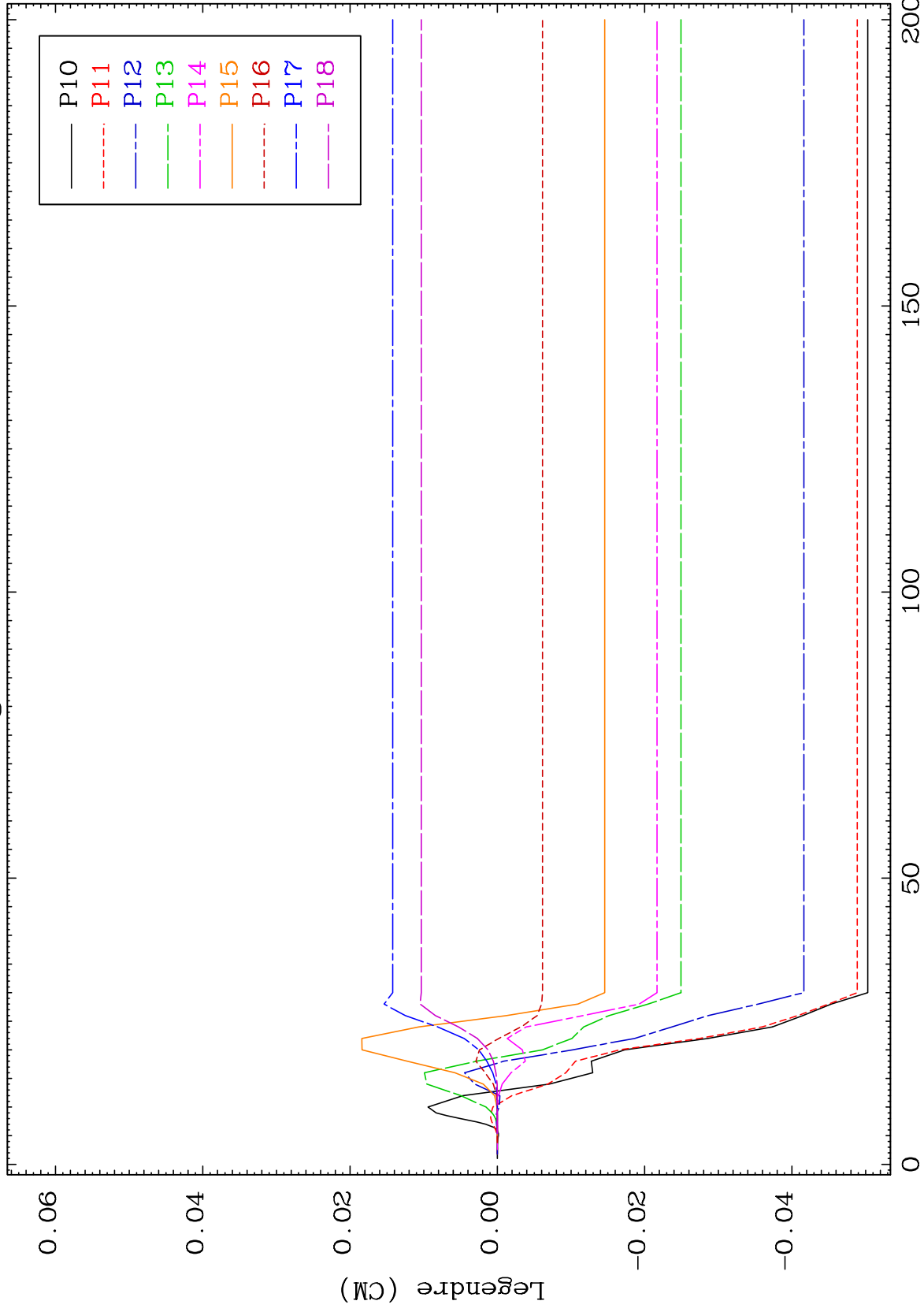
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

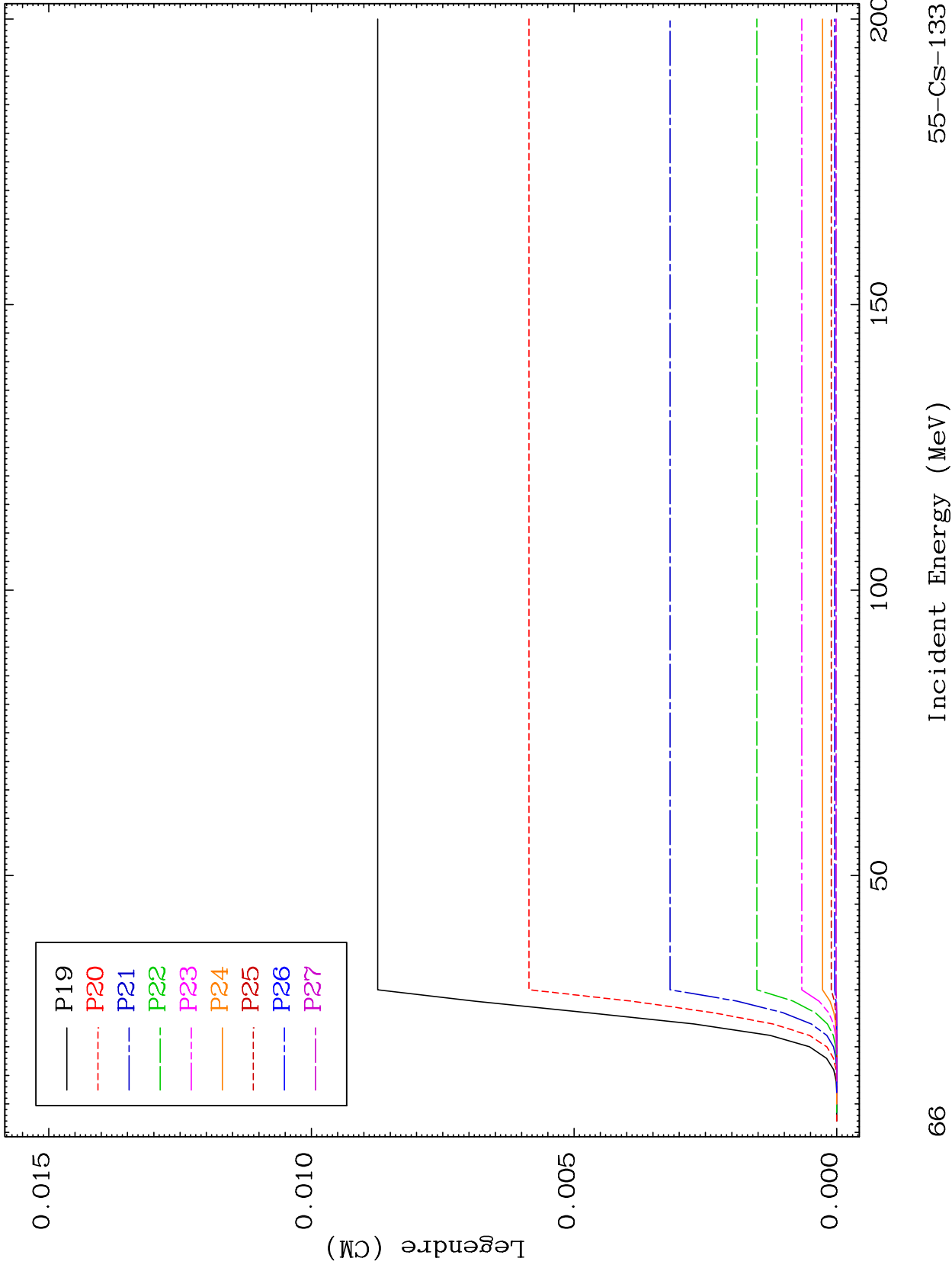
55-Cs-133



65

Incident Energy (MeV)

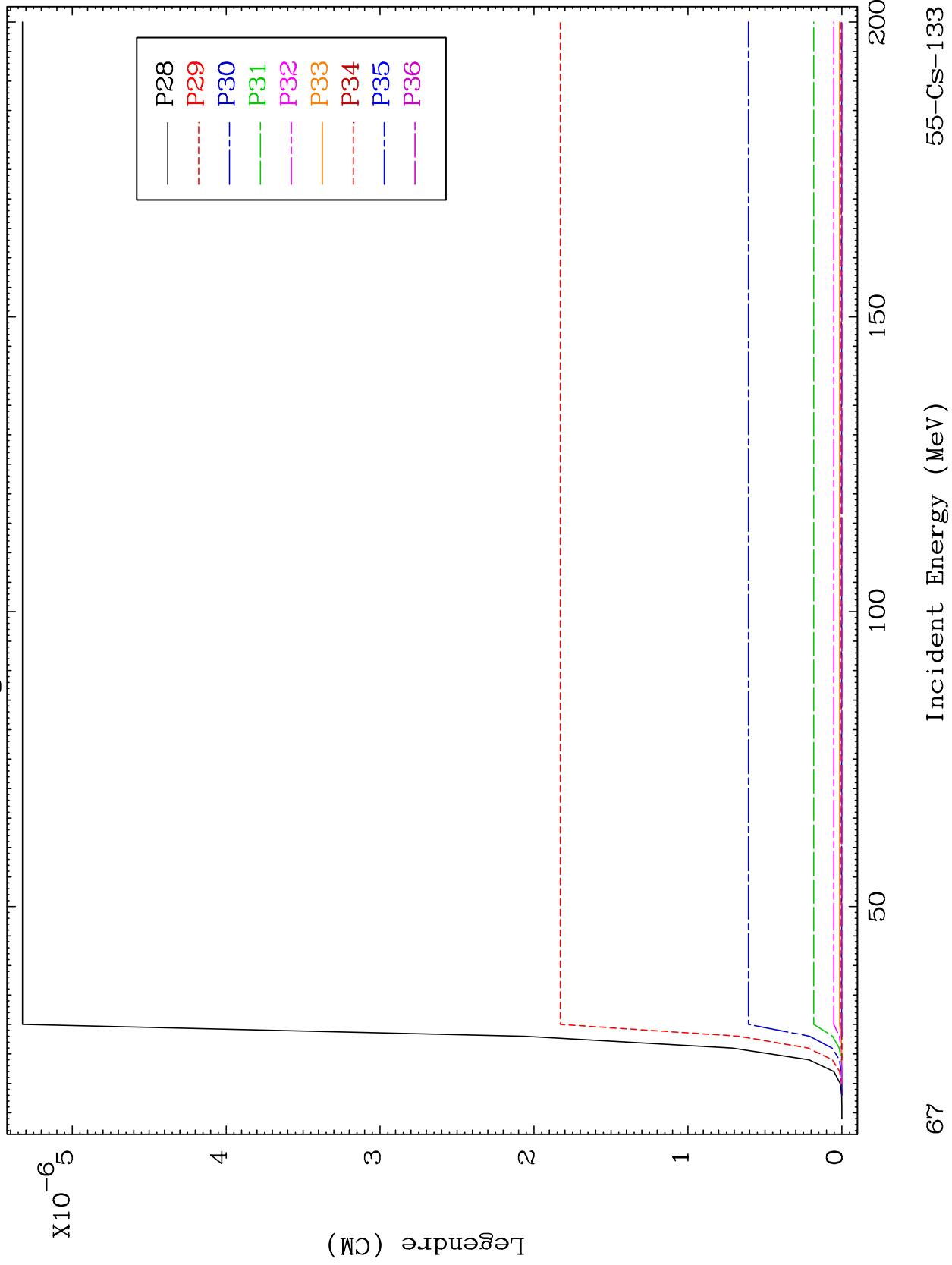
55-Cs-133



MAT 5525

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

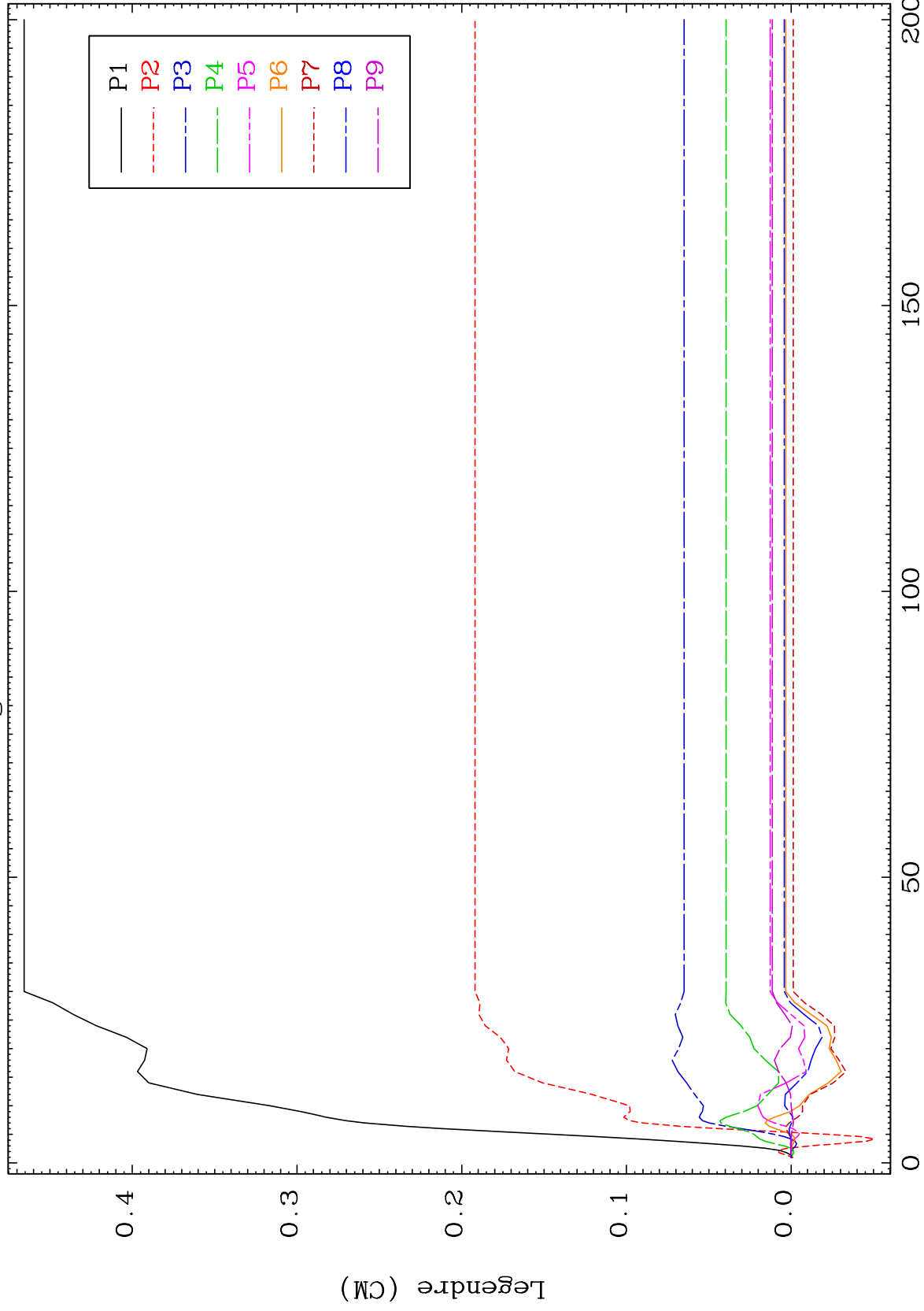
55-Cs-133



MAT 5525

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

55-Cs-133



55-Cs-133

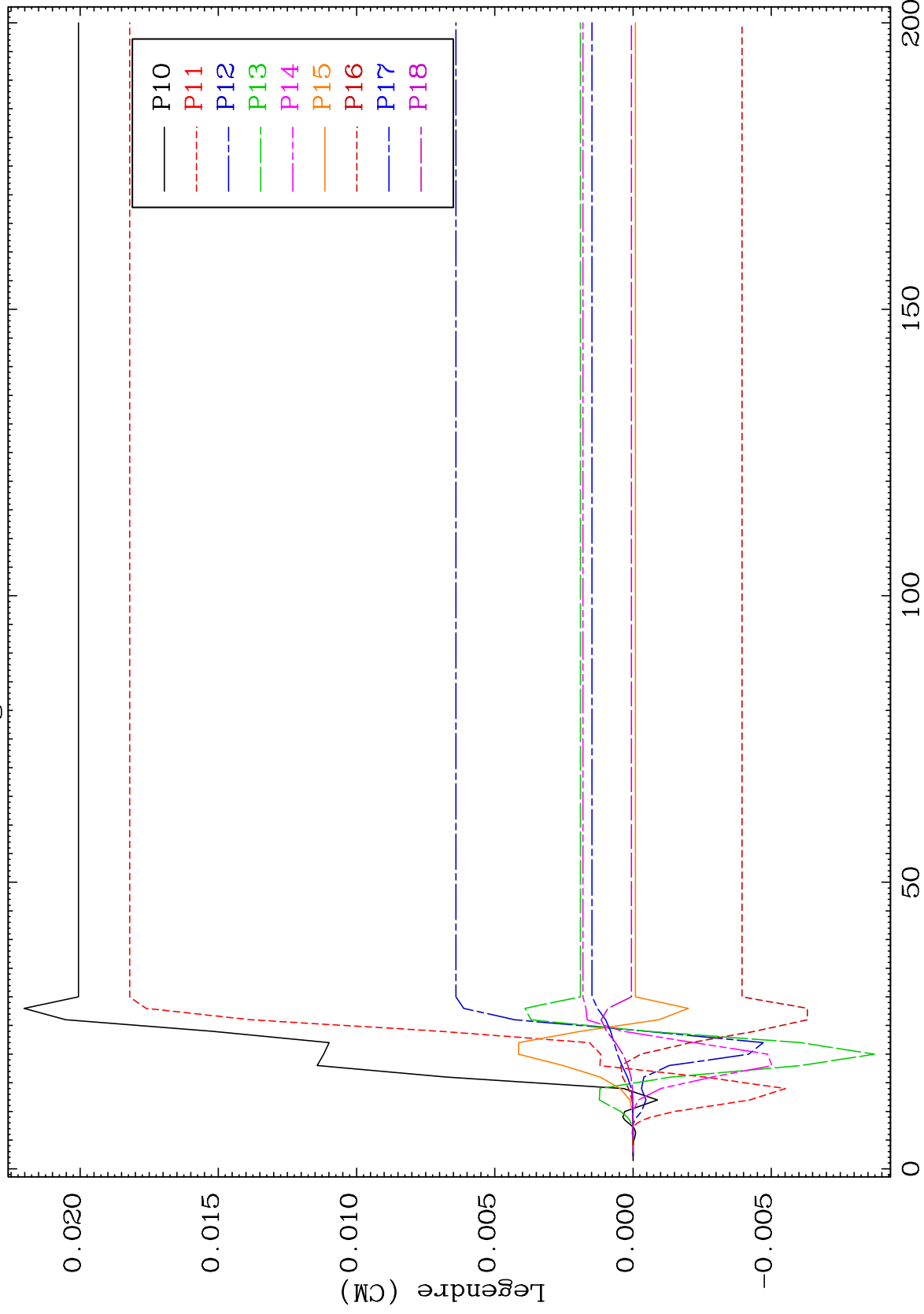
Incident Energy (MeV)

68

MAT 5525

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

55-Cs-133



69

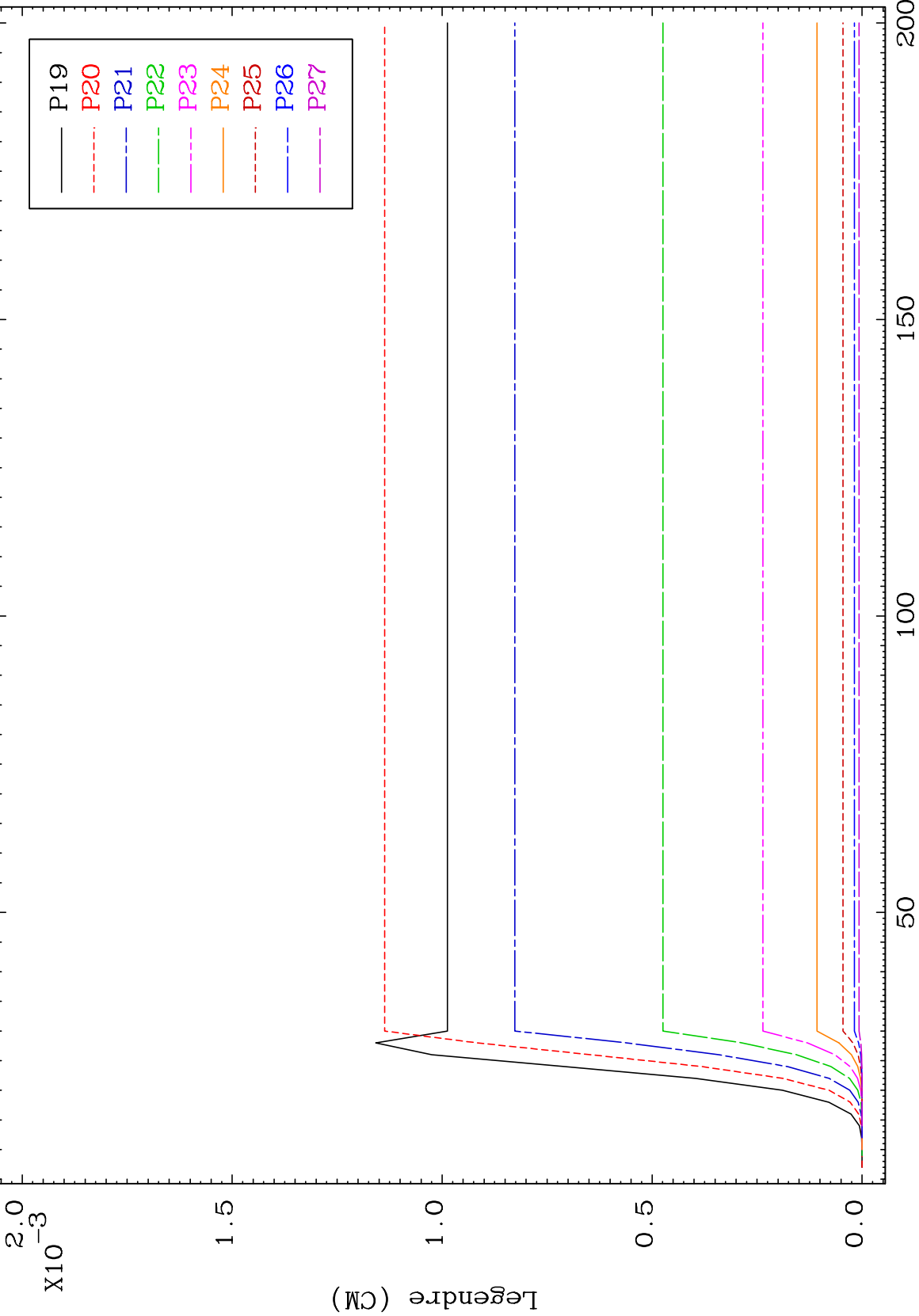
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



70

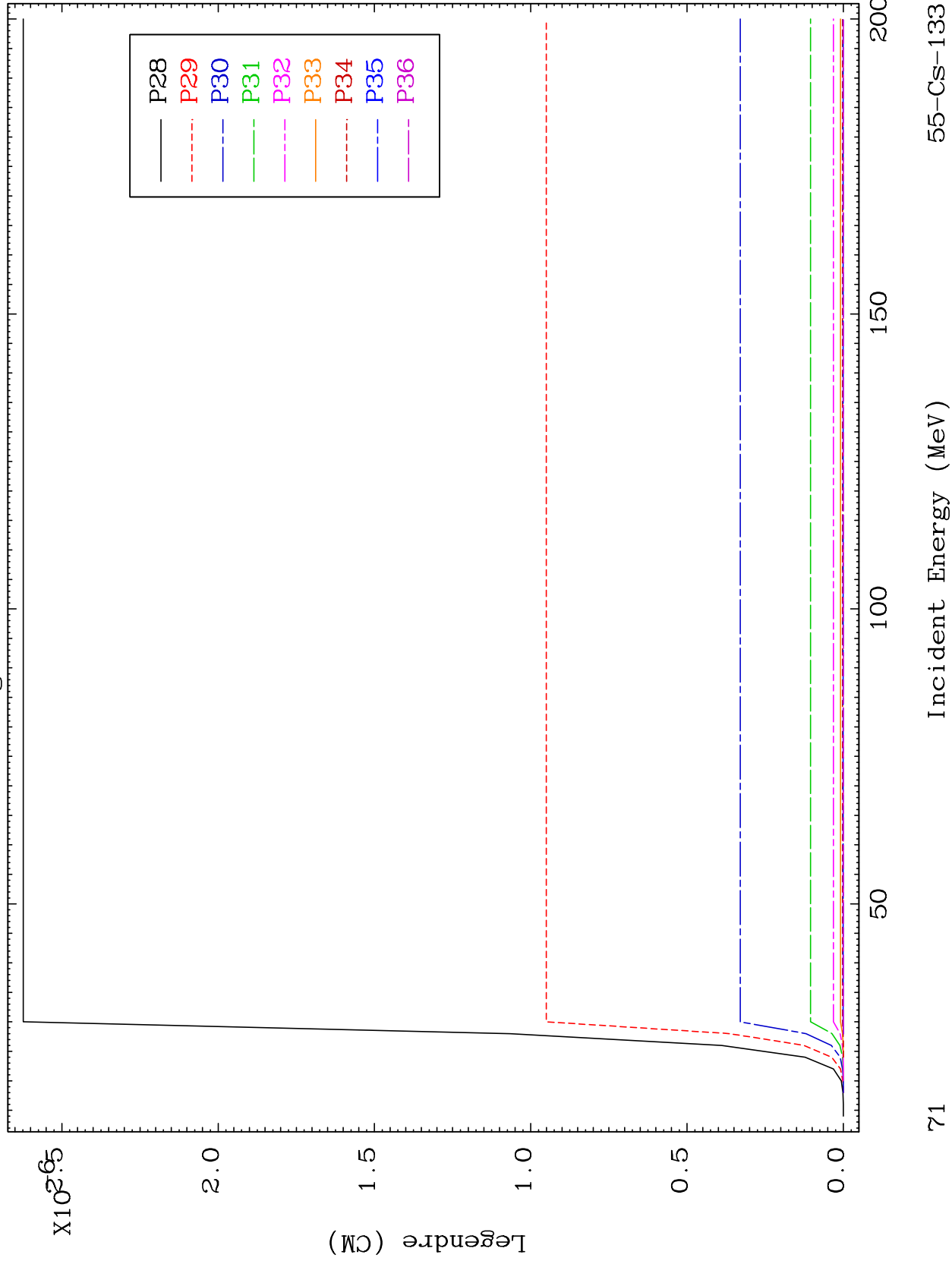
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133

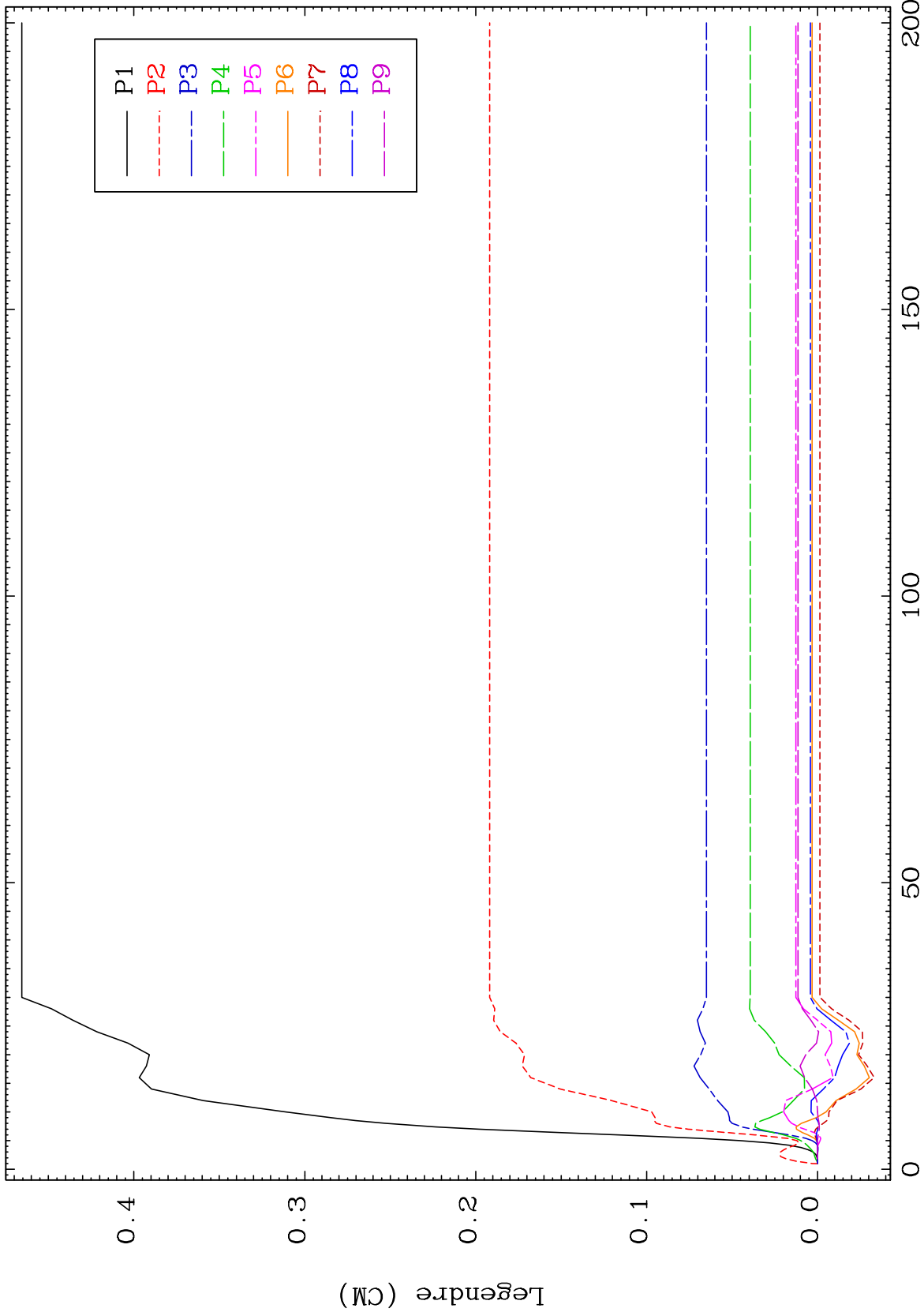




MAT 5525

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

55-Cs-133



55-Cs-133

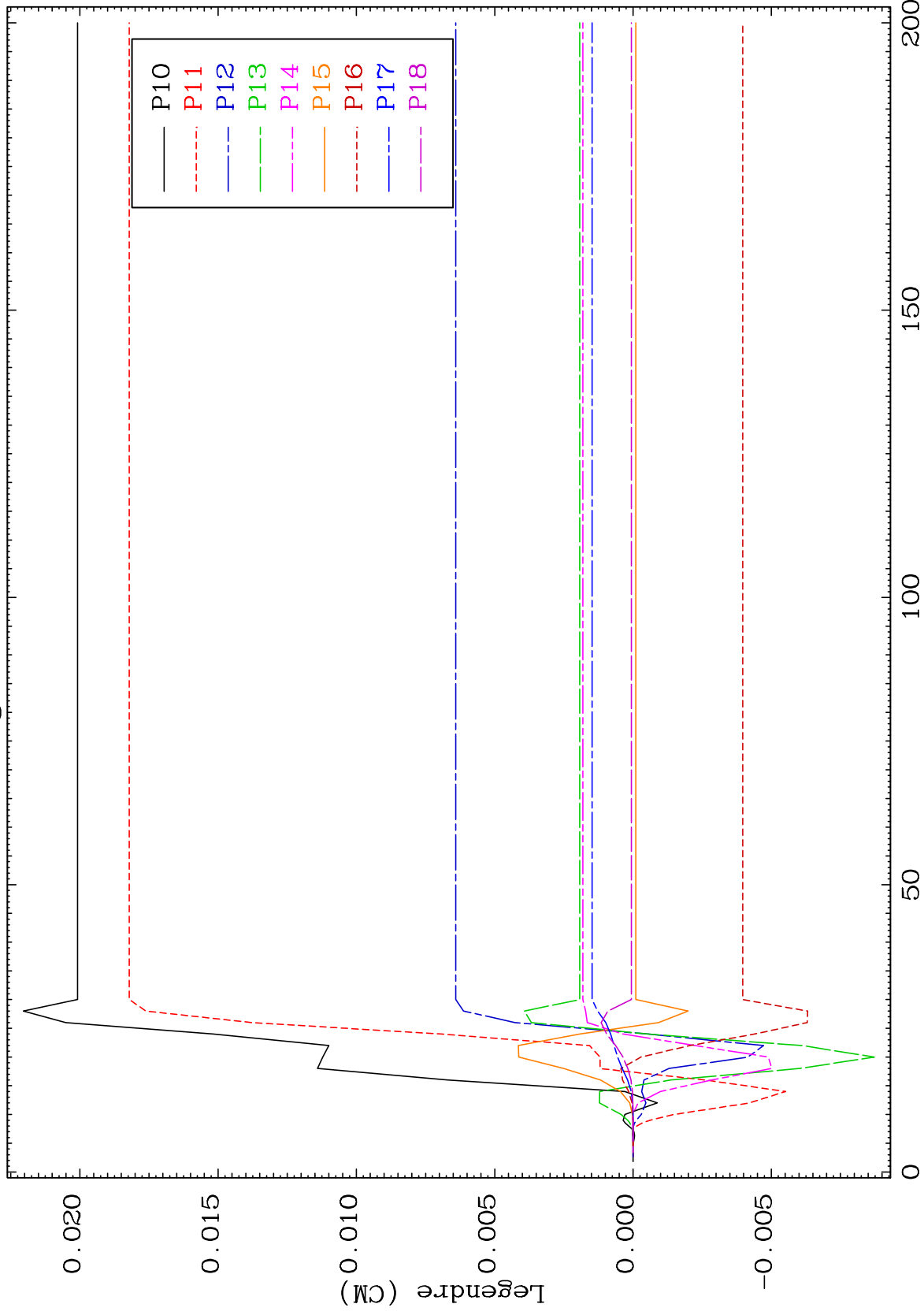
Incident Energy (MeV)

72

MAT 5525

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

55-Cs-133



73

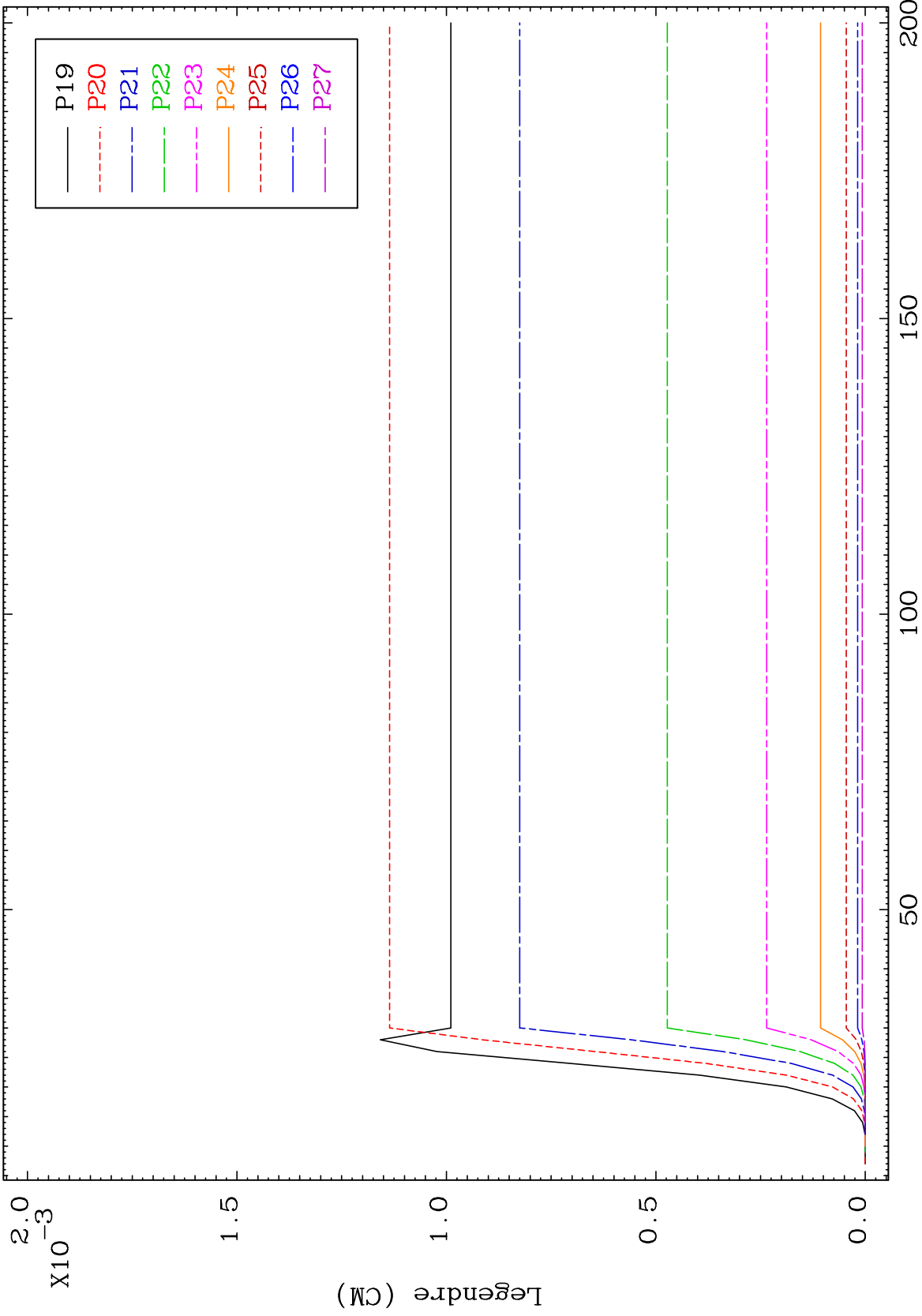
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



74

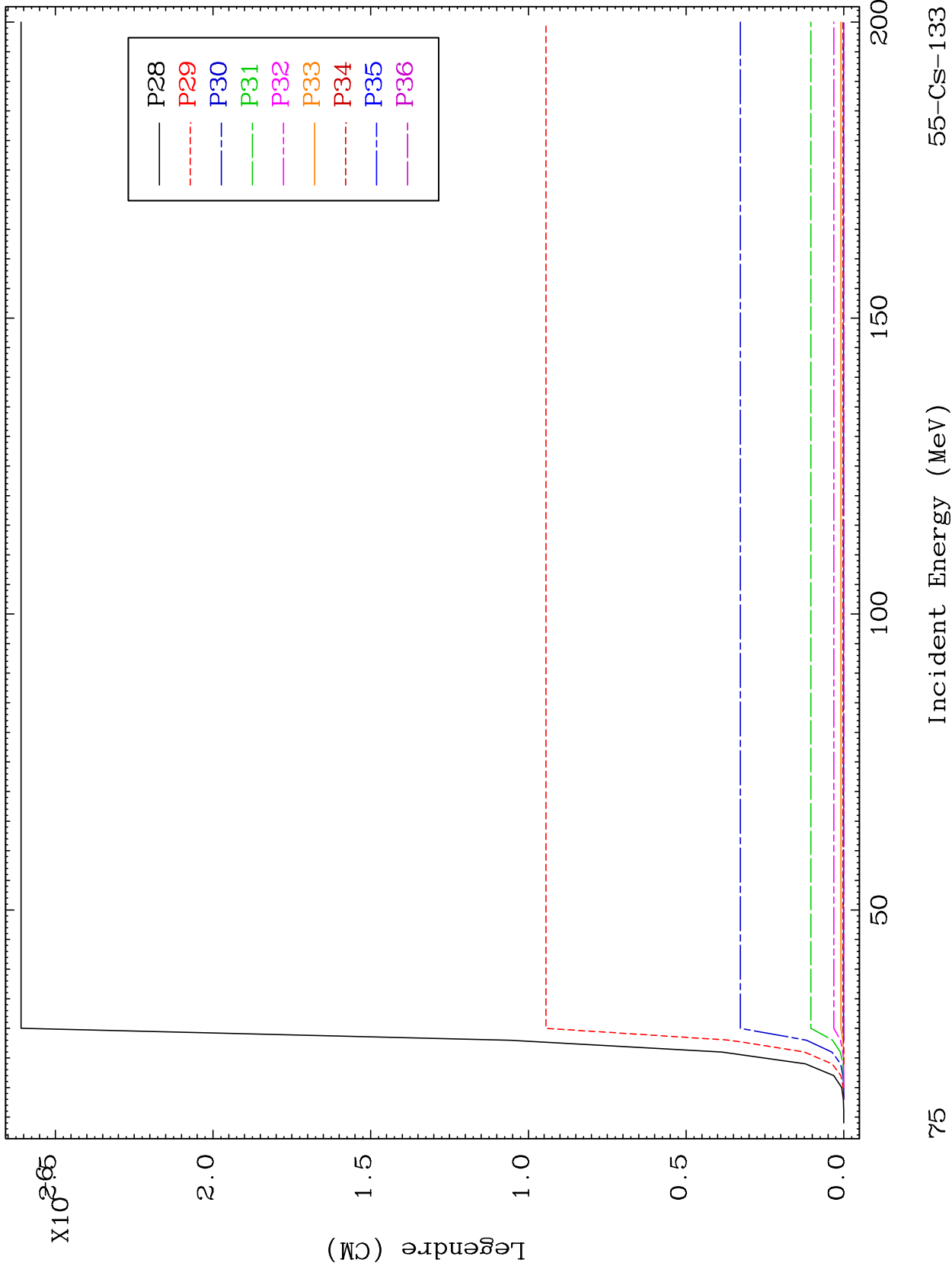
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133

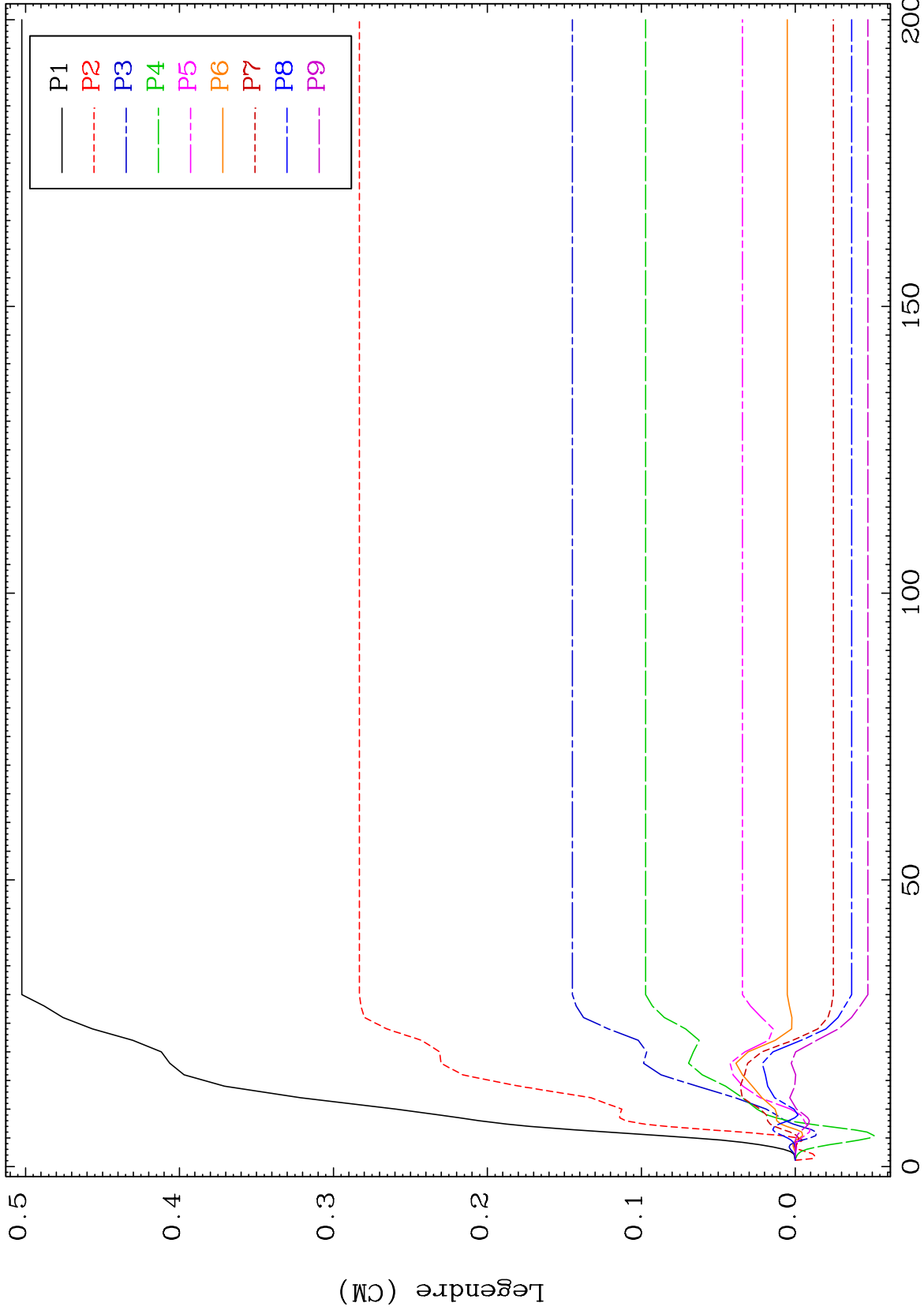


MAT 5525

MT= 65 (n,n') Level

55-Cs-133

Legendre Coefficients



76

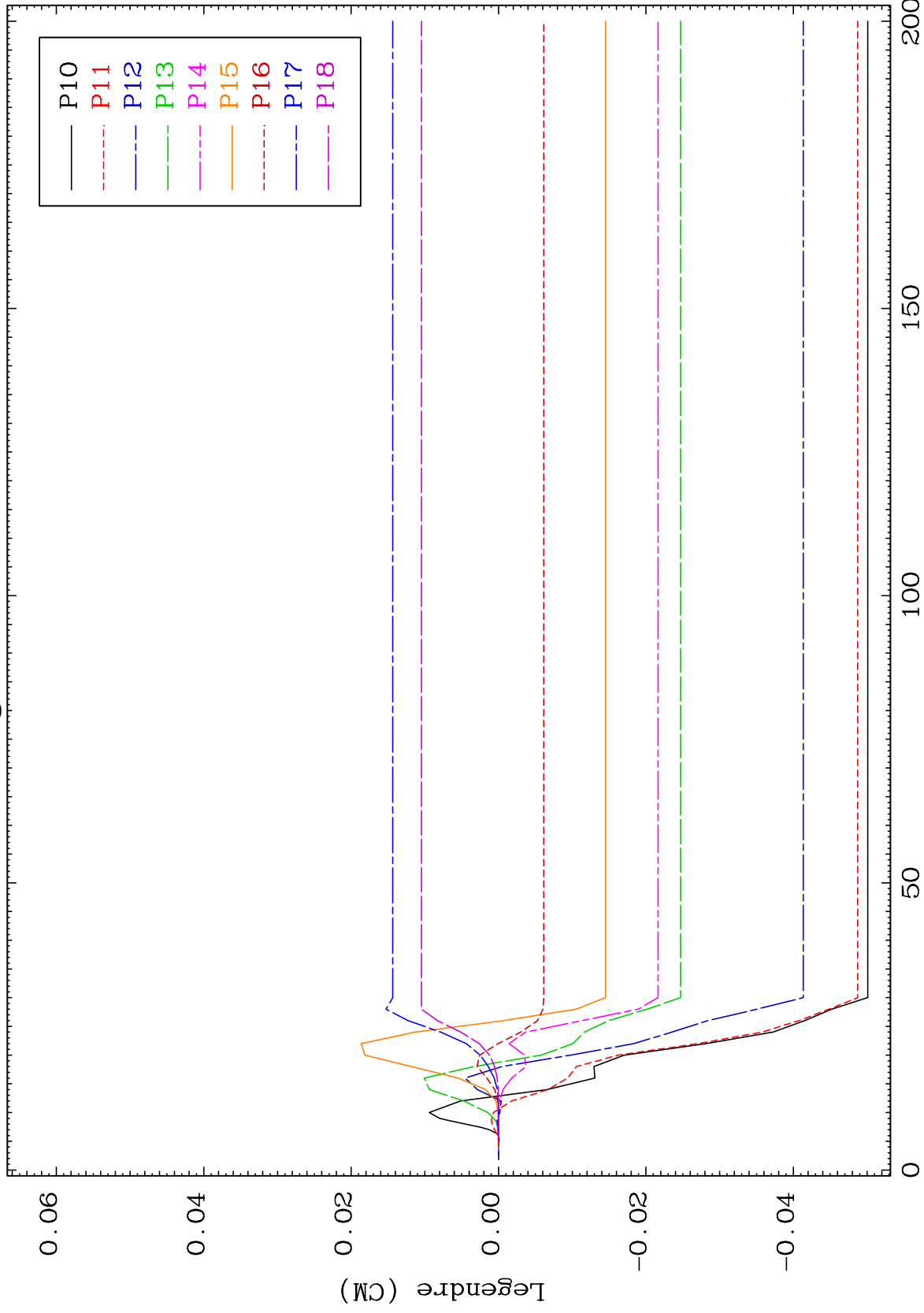
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



77

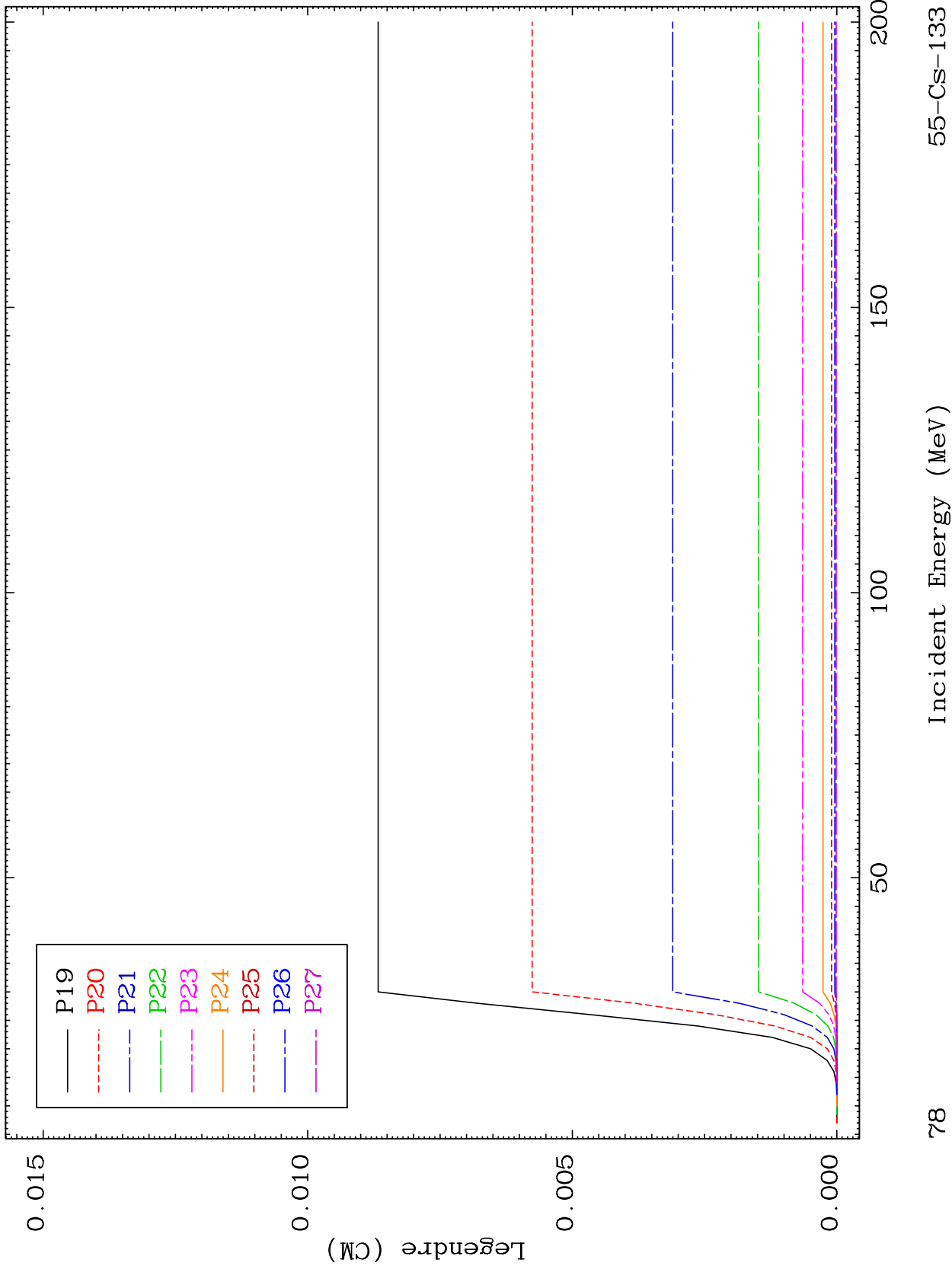
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



78

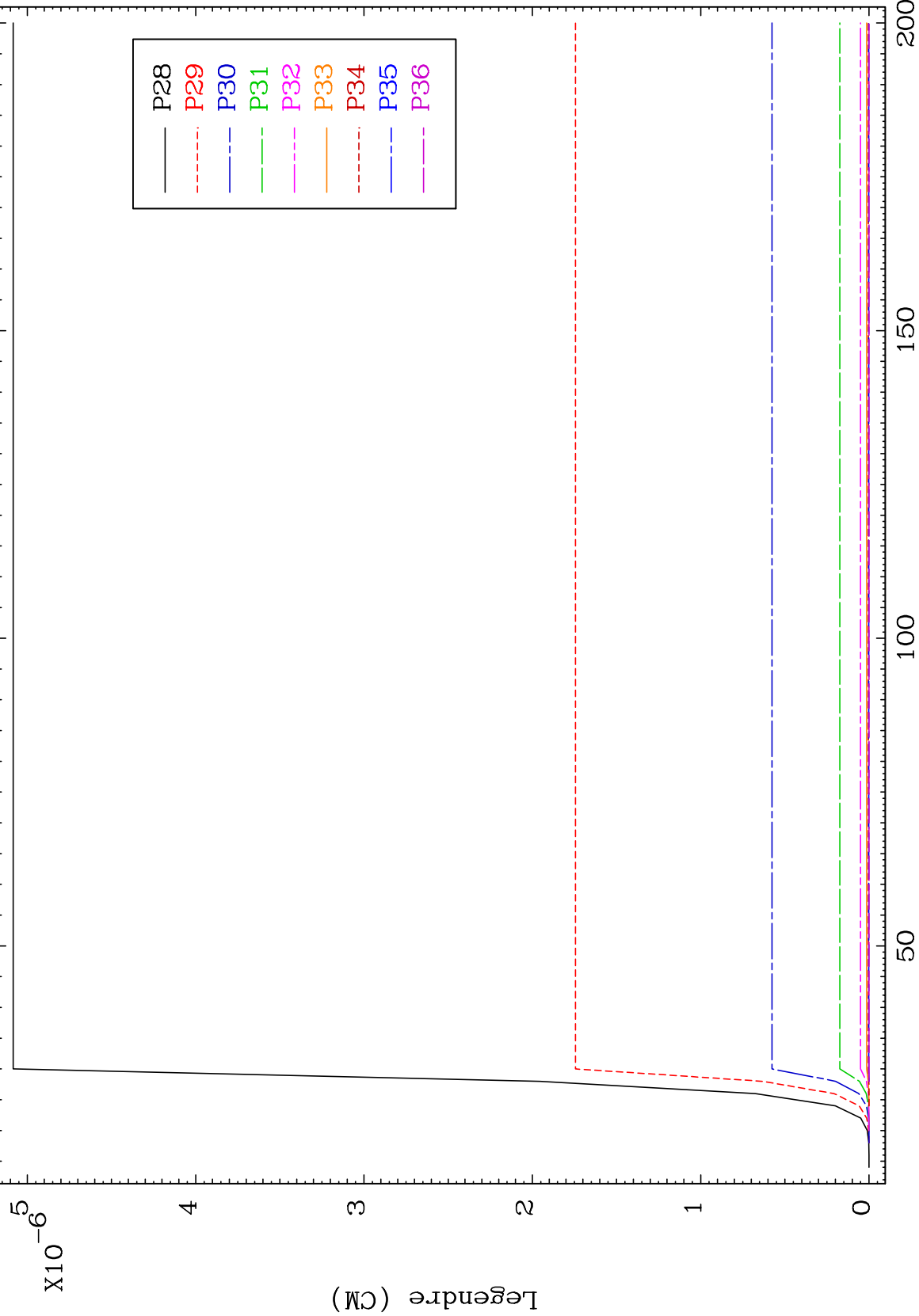
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



79

Incident Energy (MeV)

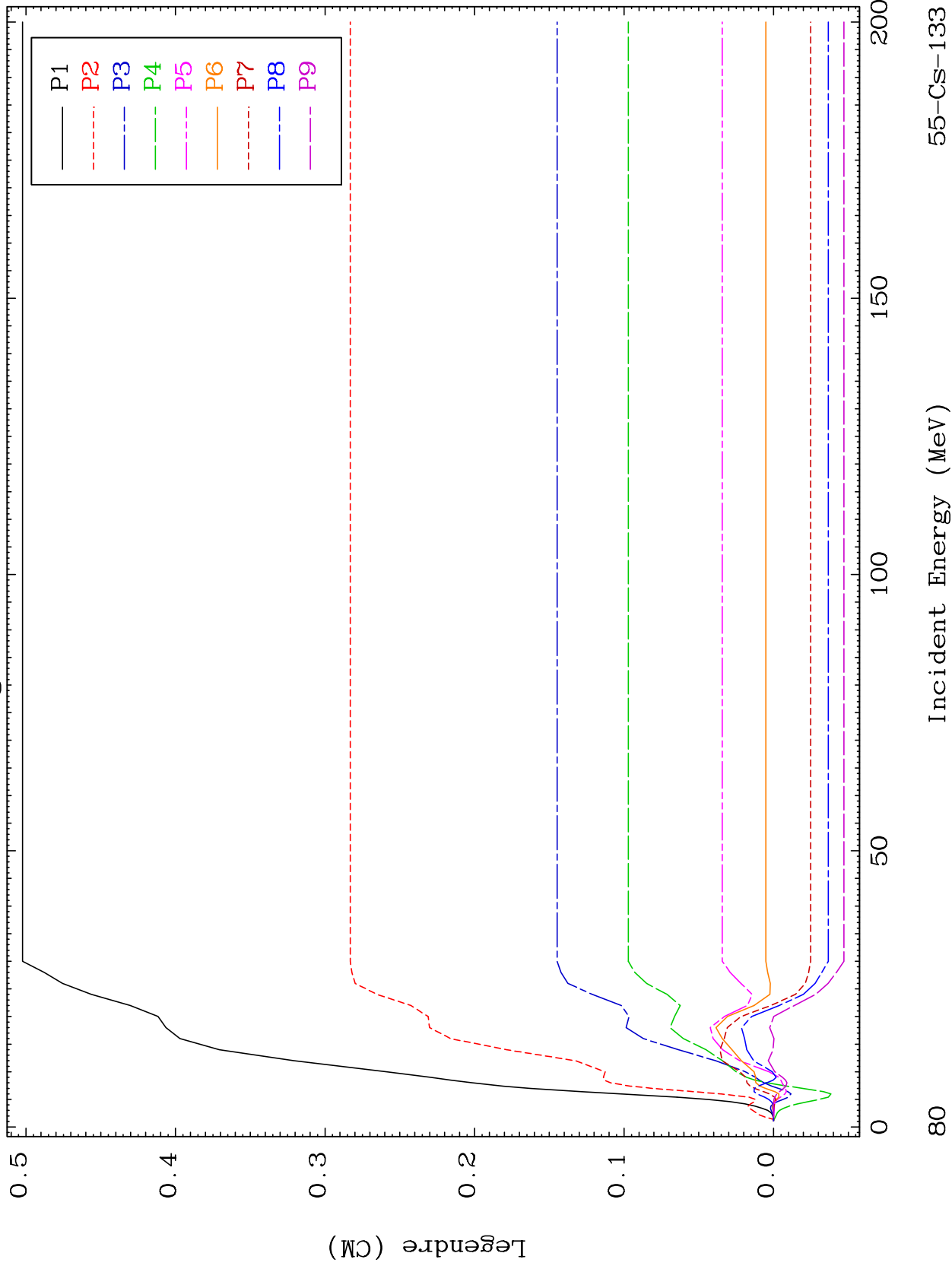
55-Cs-133



MAT 5525

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

55-Cs-133

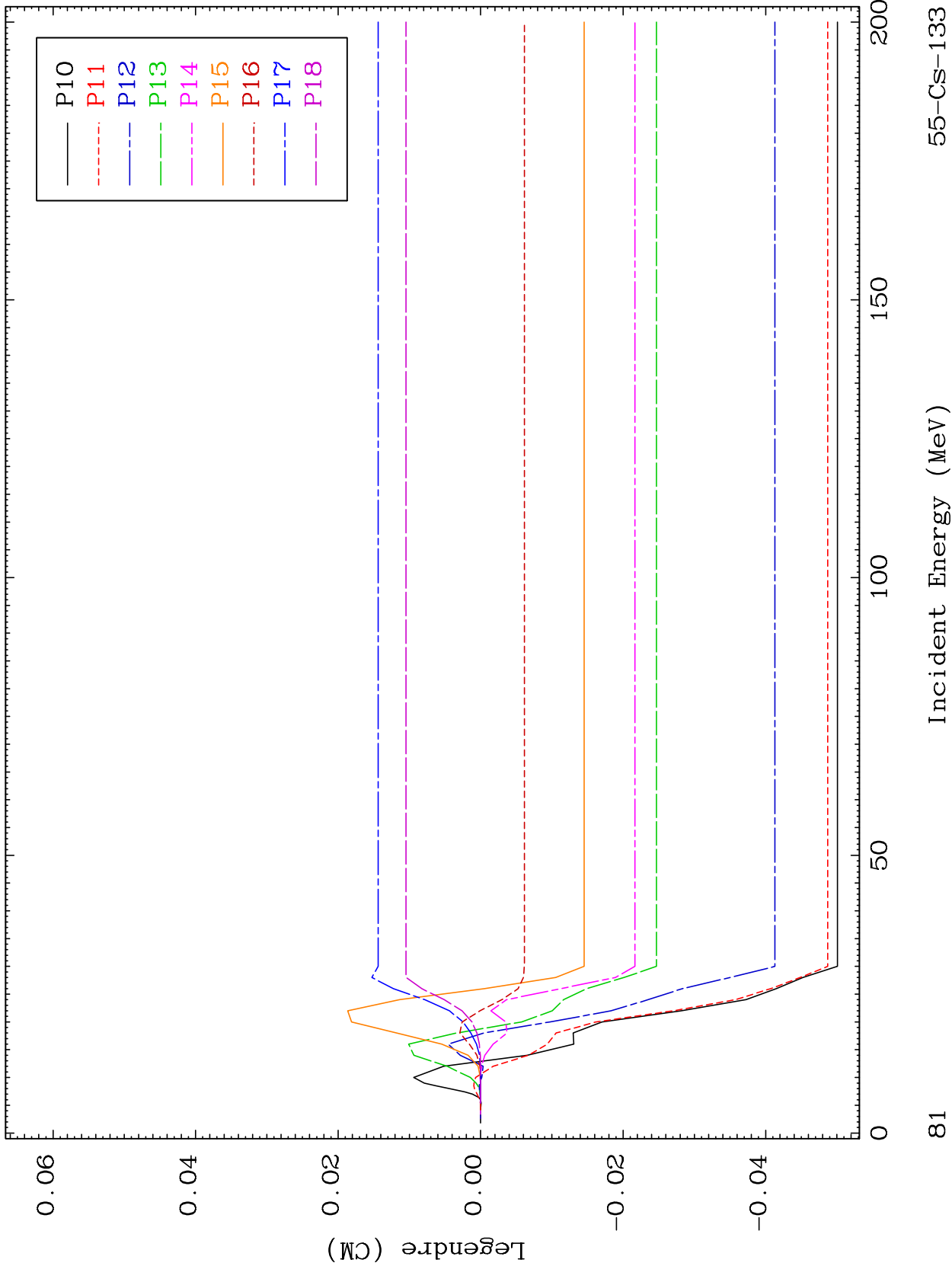


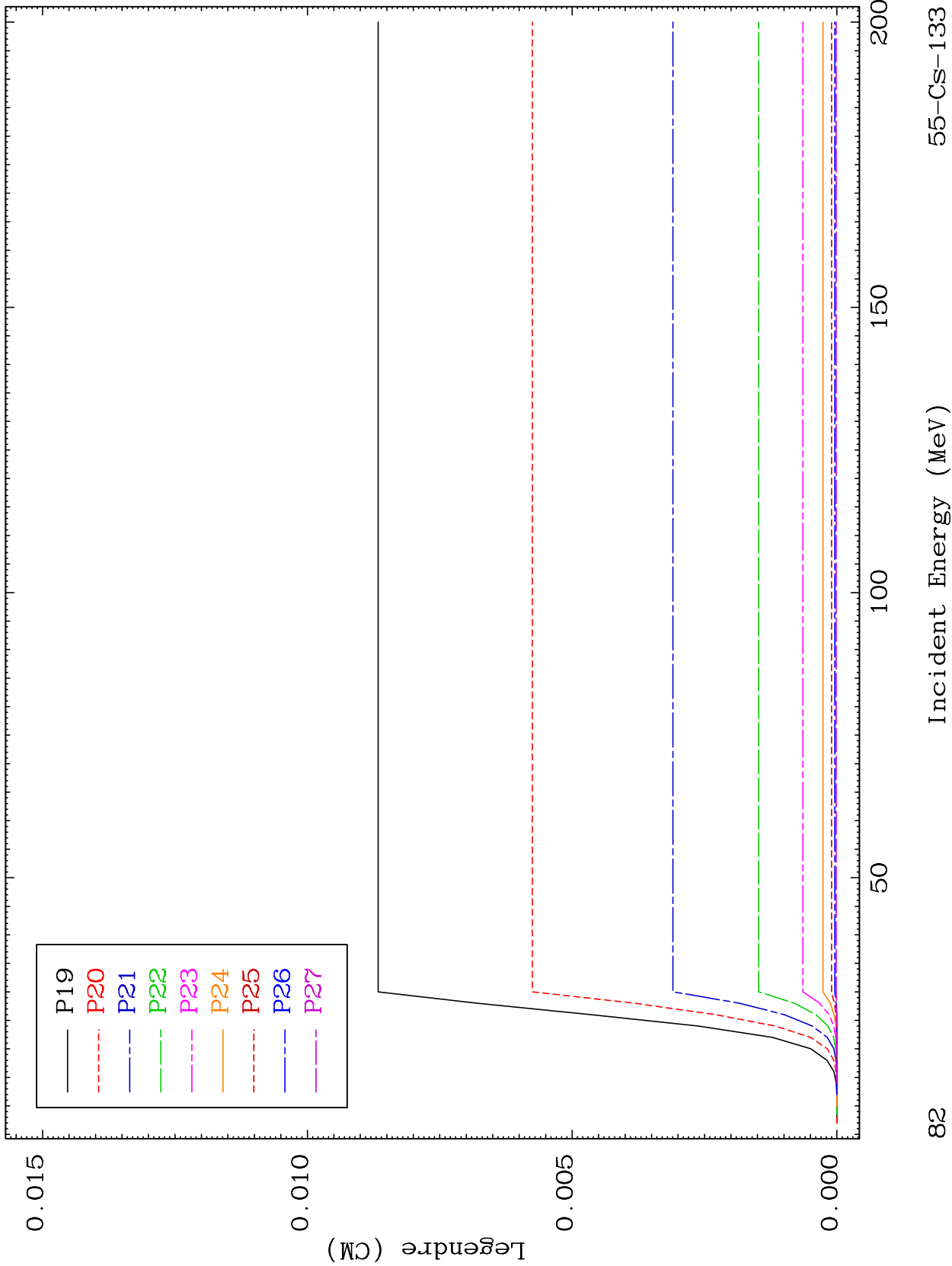
55-Cs-133

MAT 5525

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

55-Cs-133

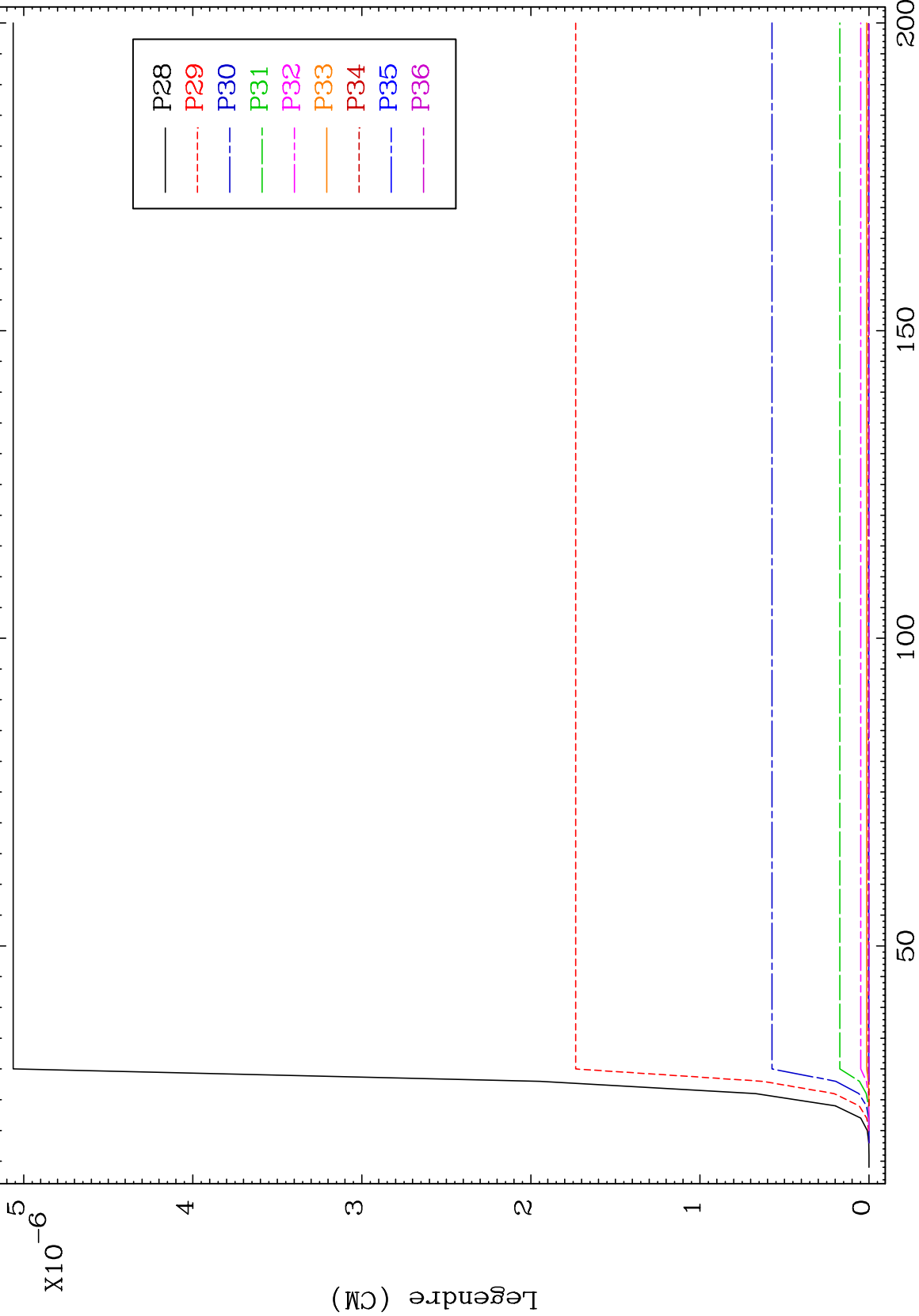




MAT 5525

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

55-Cs-133



83

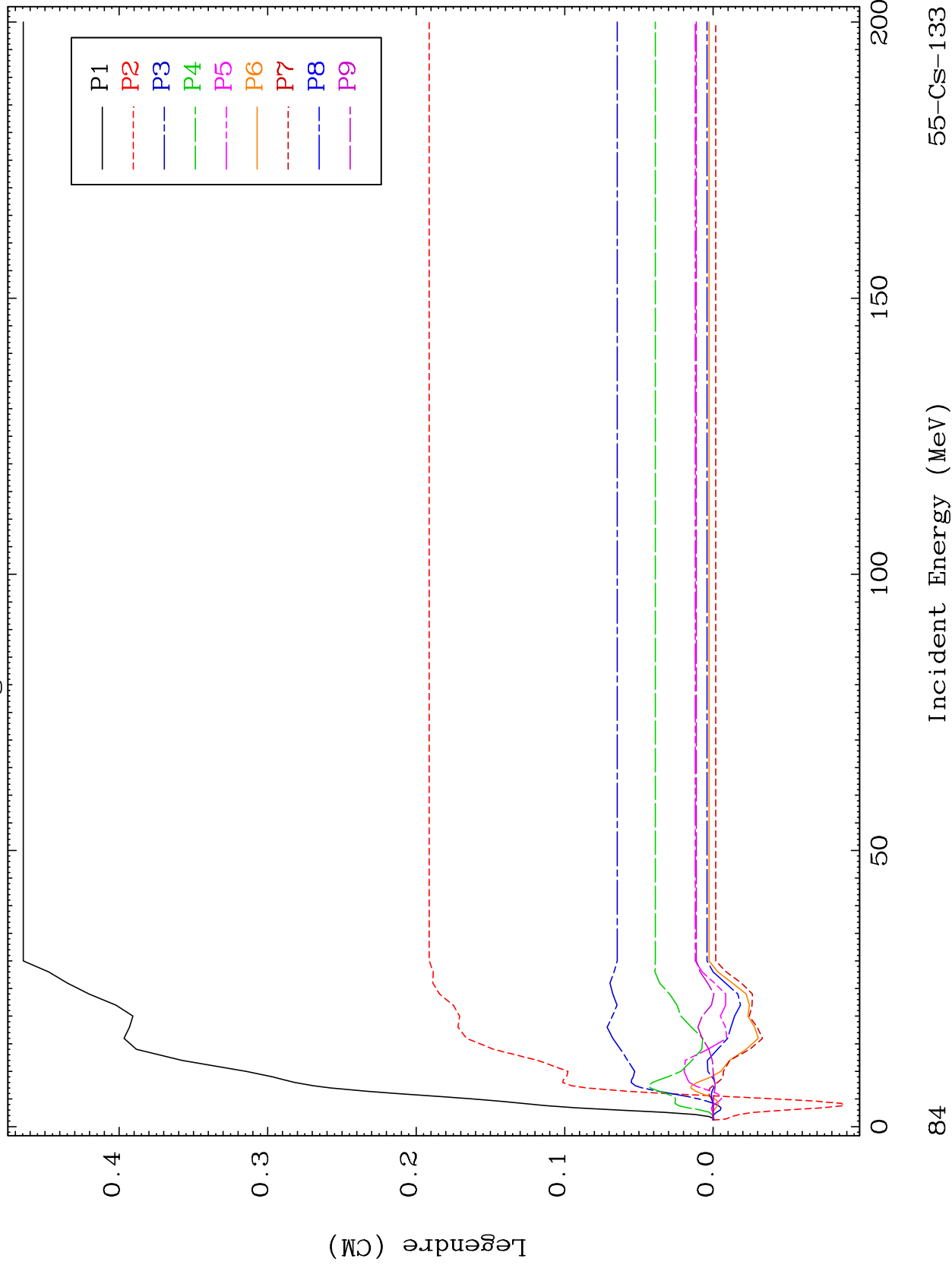
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

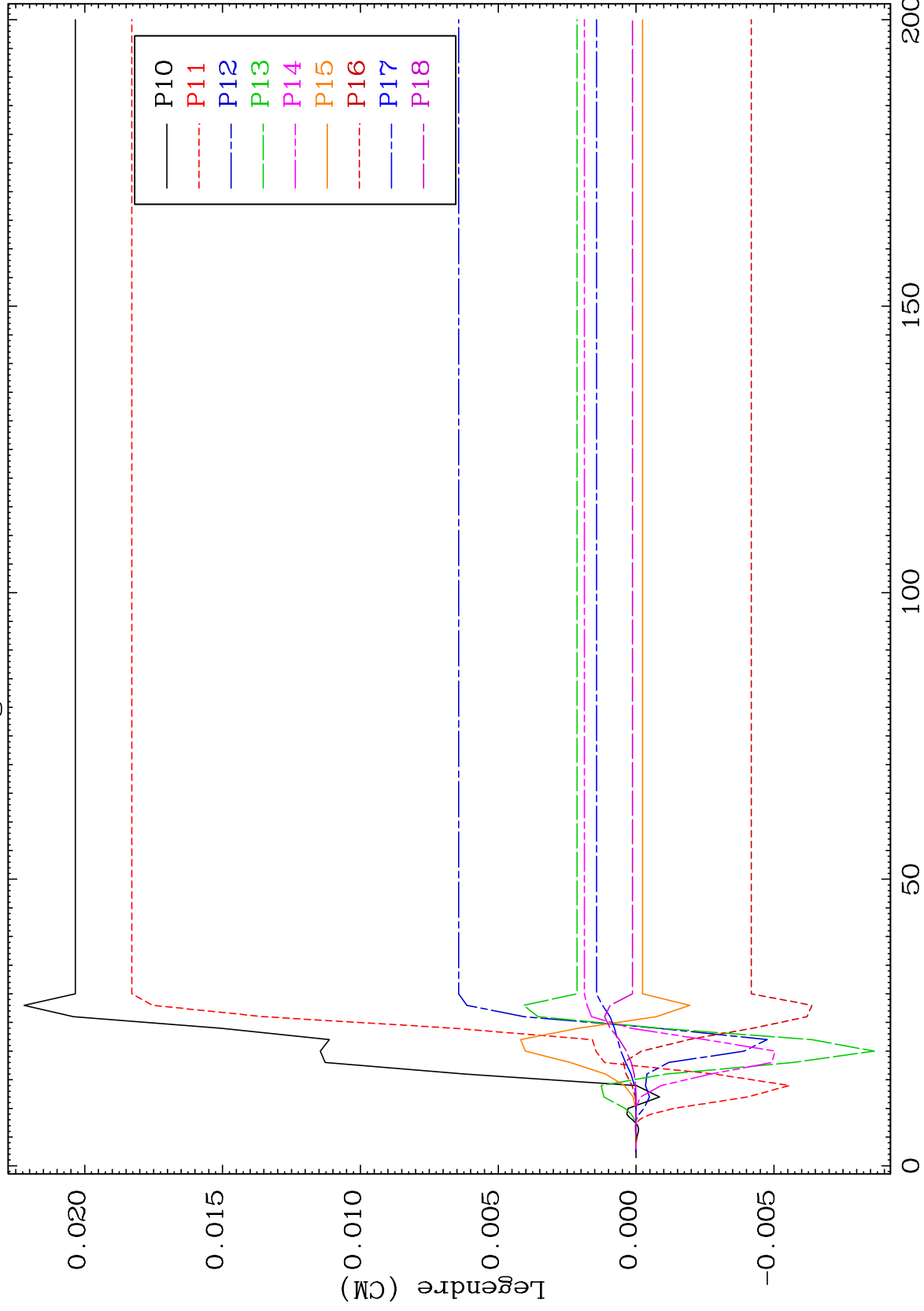
55-Cs-133



MAT 5525

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

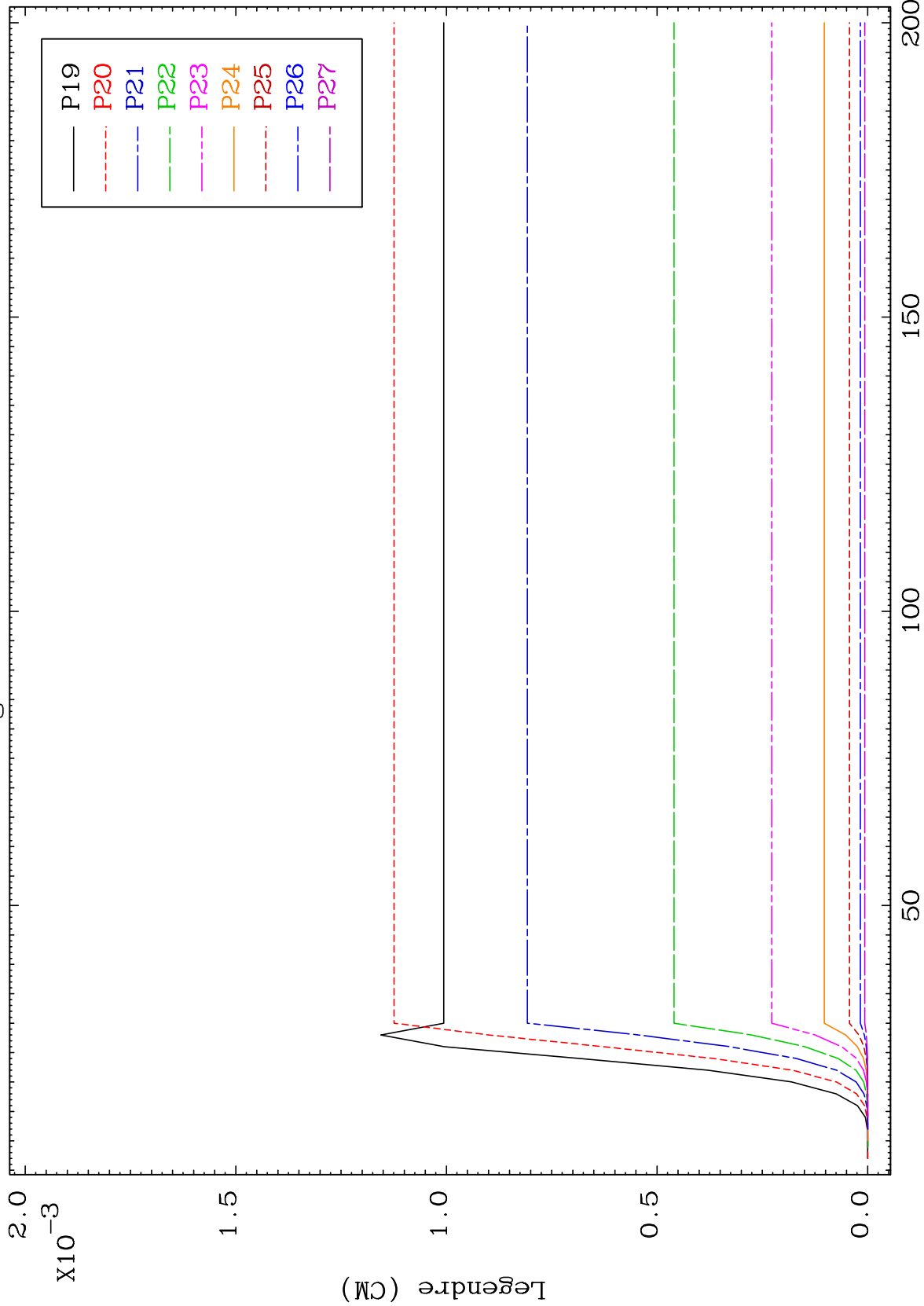
55-Cs-133



85

Incident Energy (MeV)

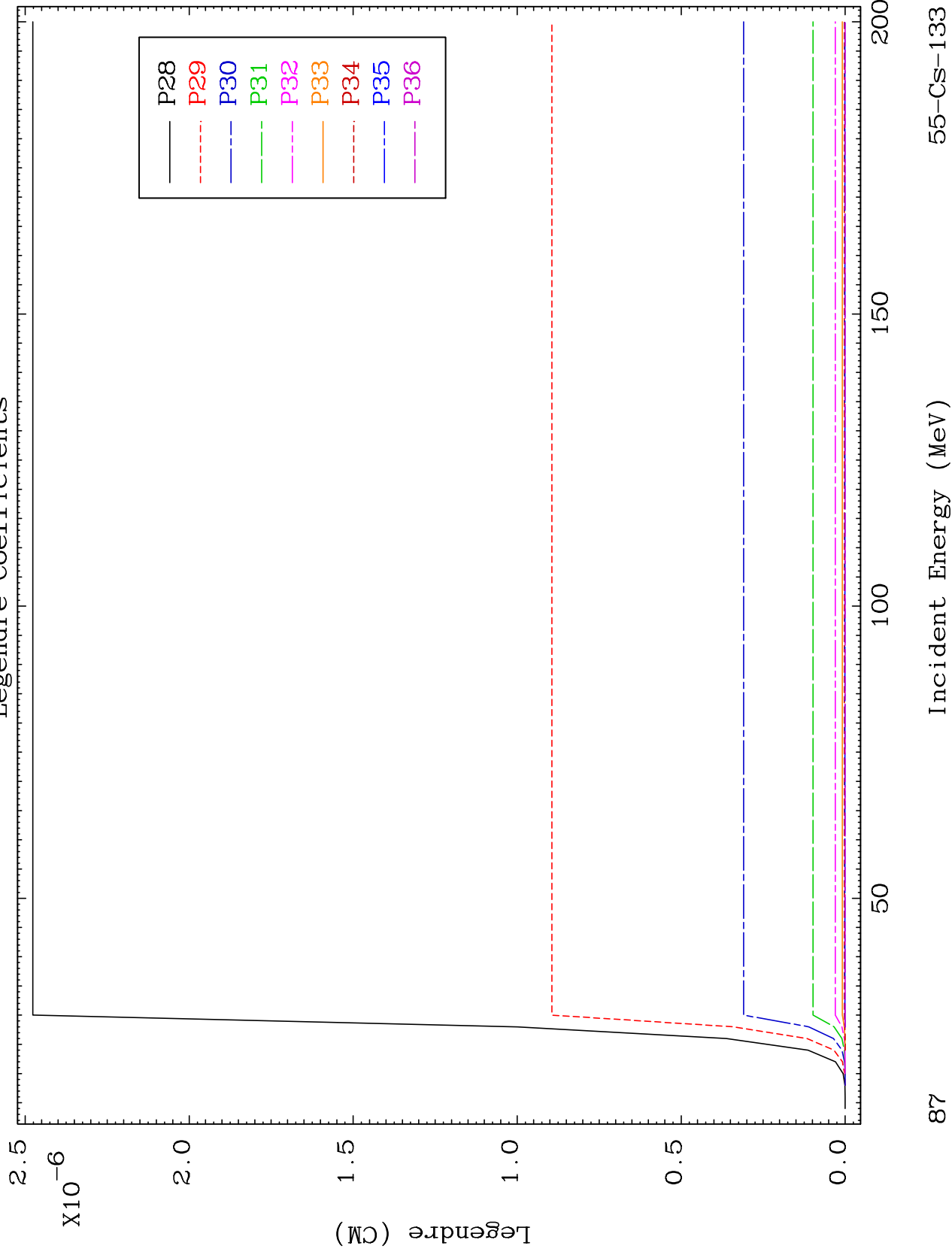
55-Cs-133



MAT 5525

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

55-Cs-133

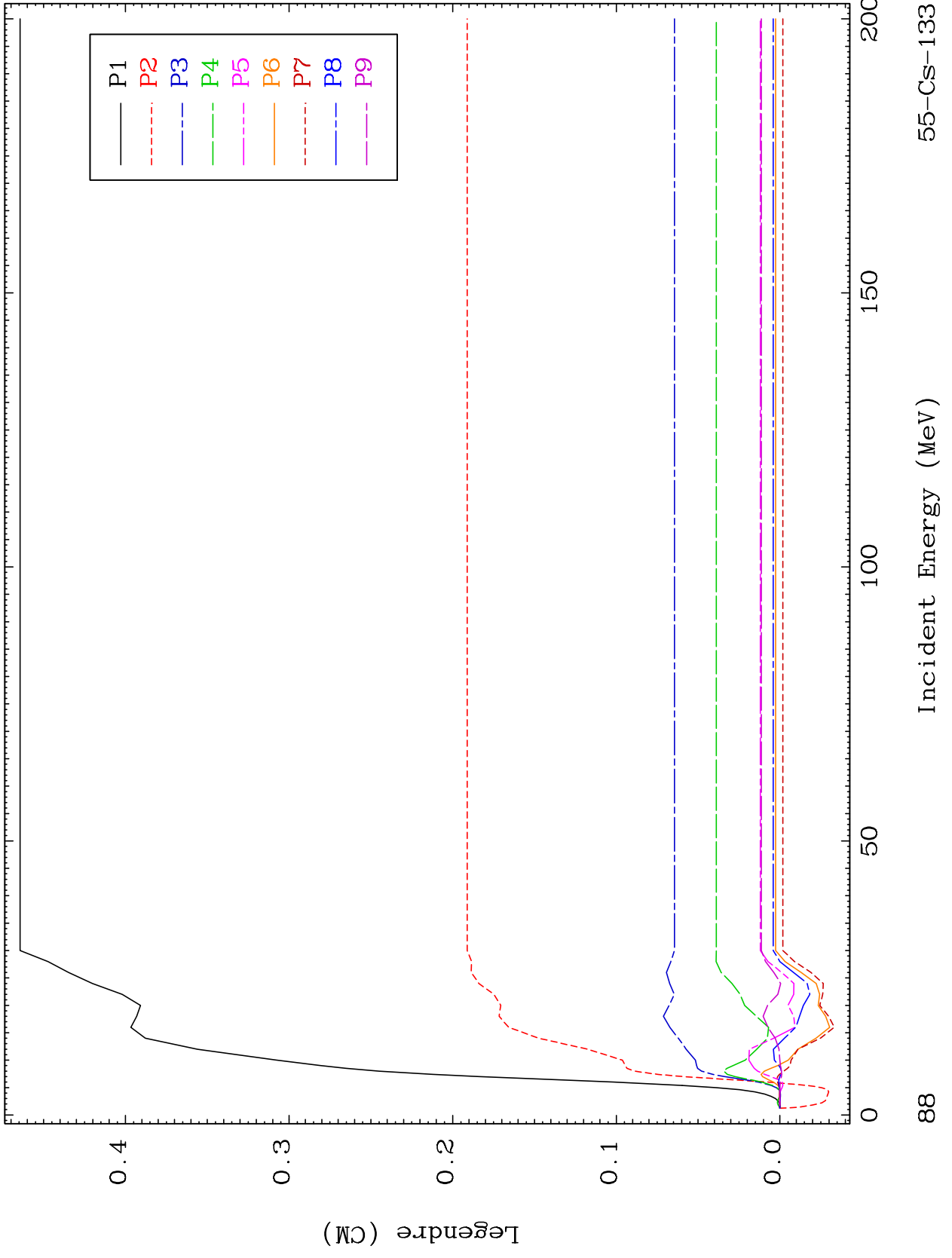




MAT 5525

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

55-Cs-133



55-Cs-133

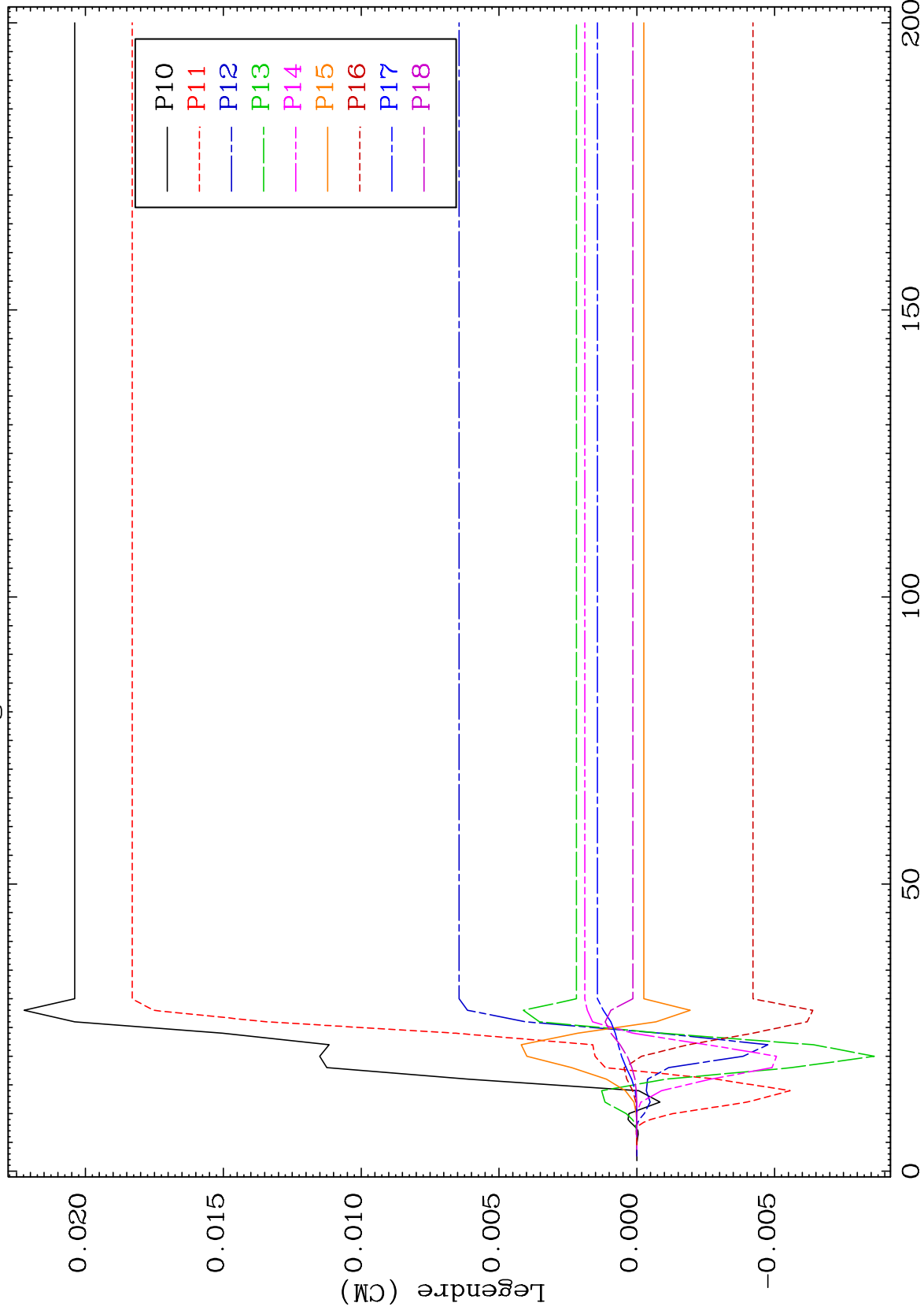
Incident Energy (MeV)

88

MAT 5525

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

55-Cs-133



89

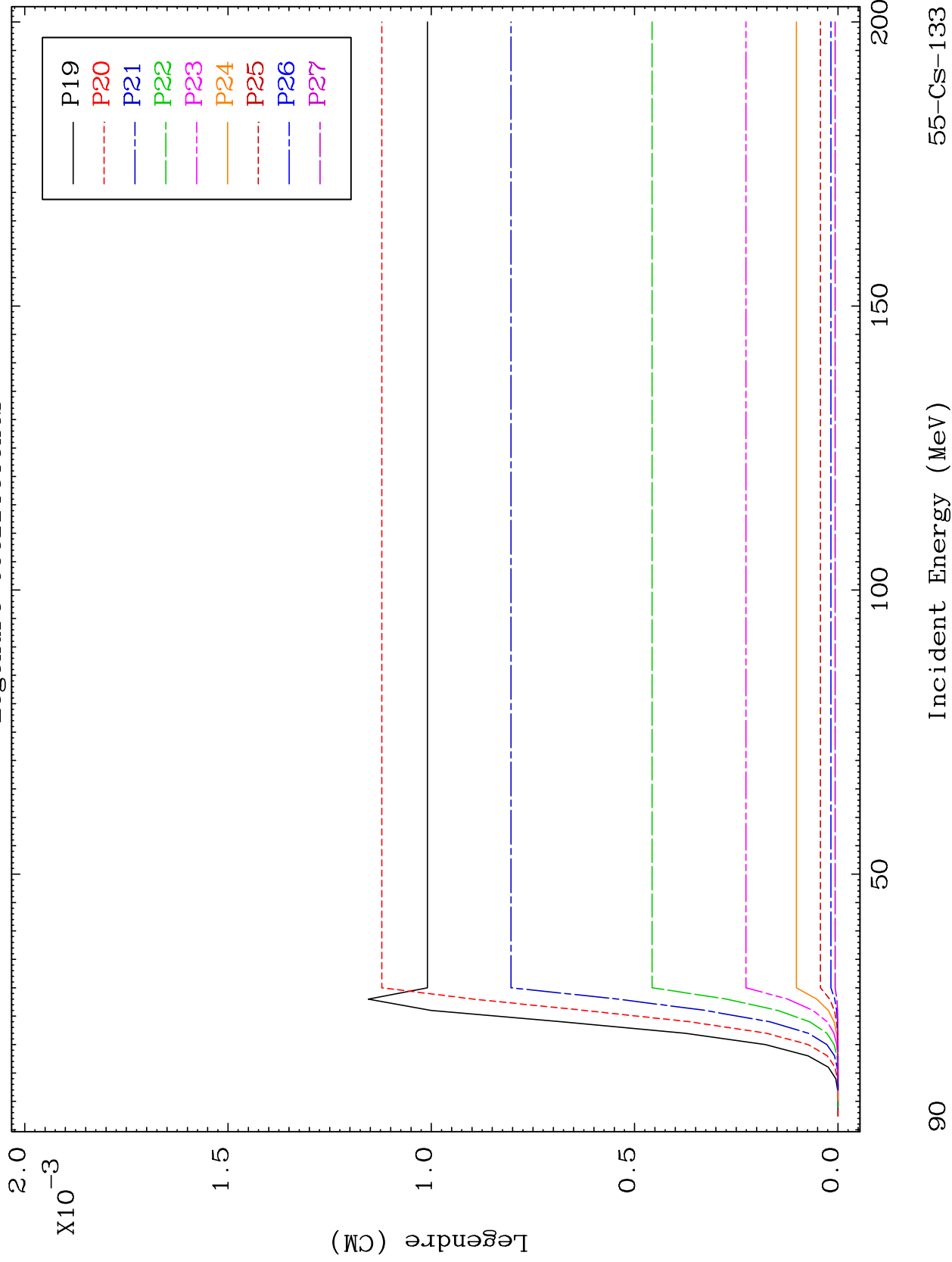
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

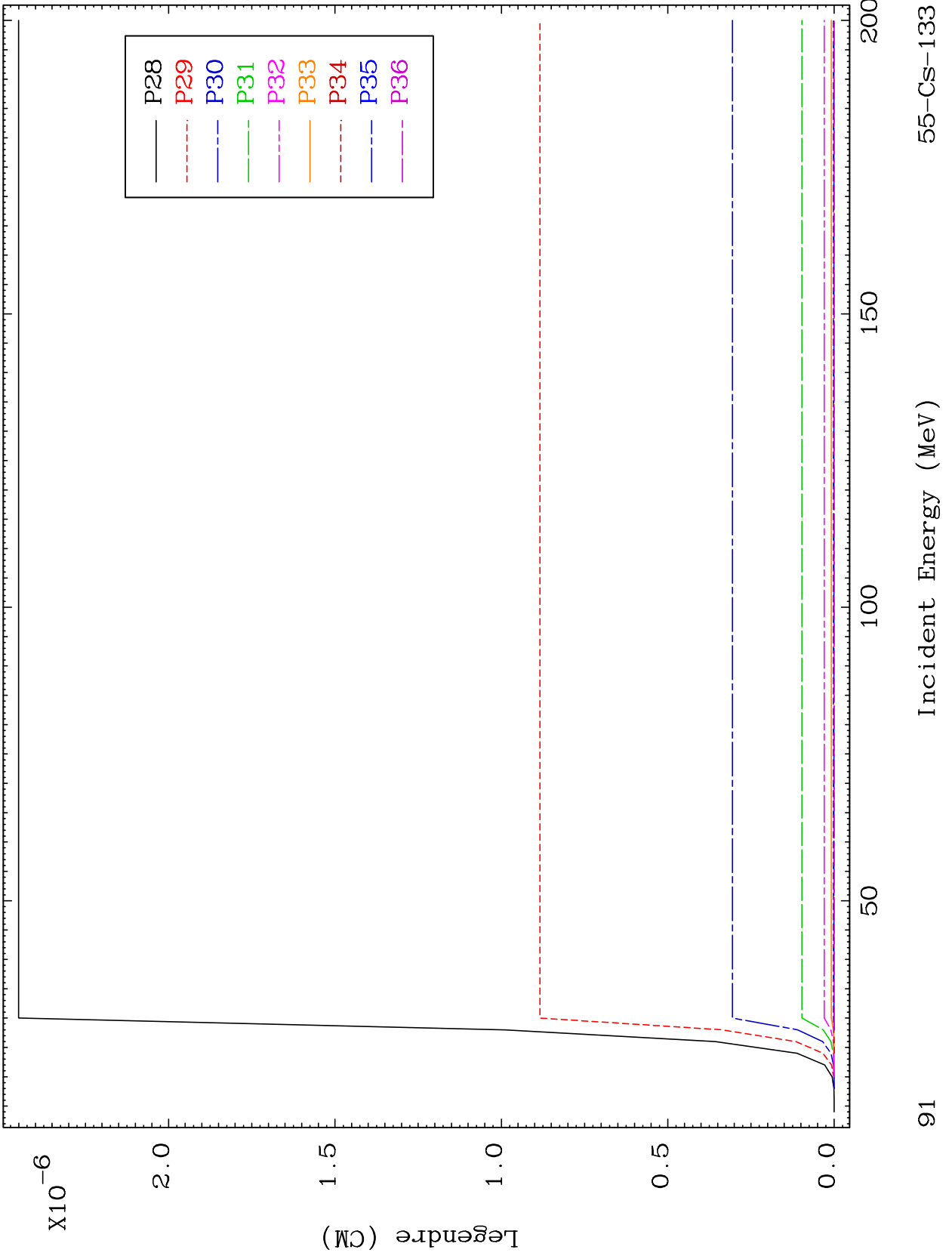
55-Cs-133



MAT 5525

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

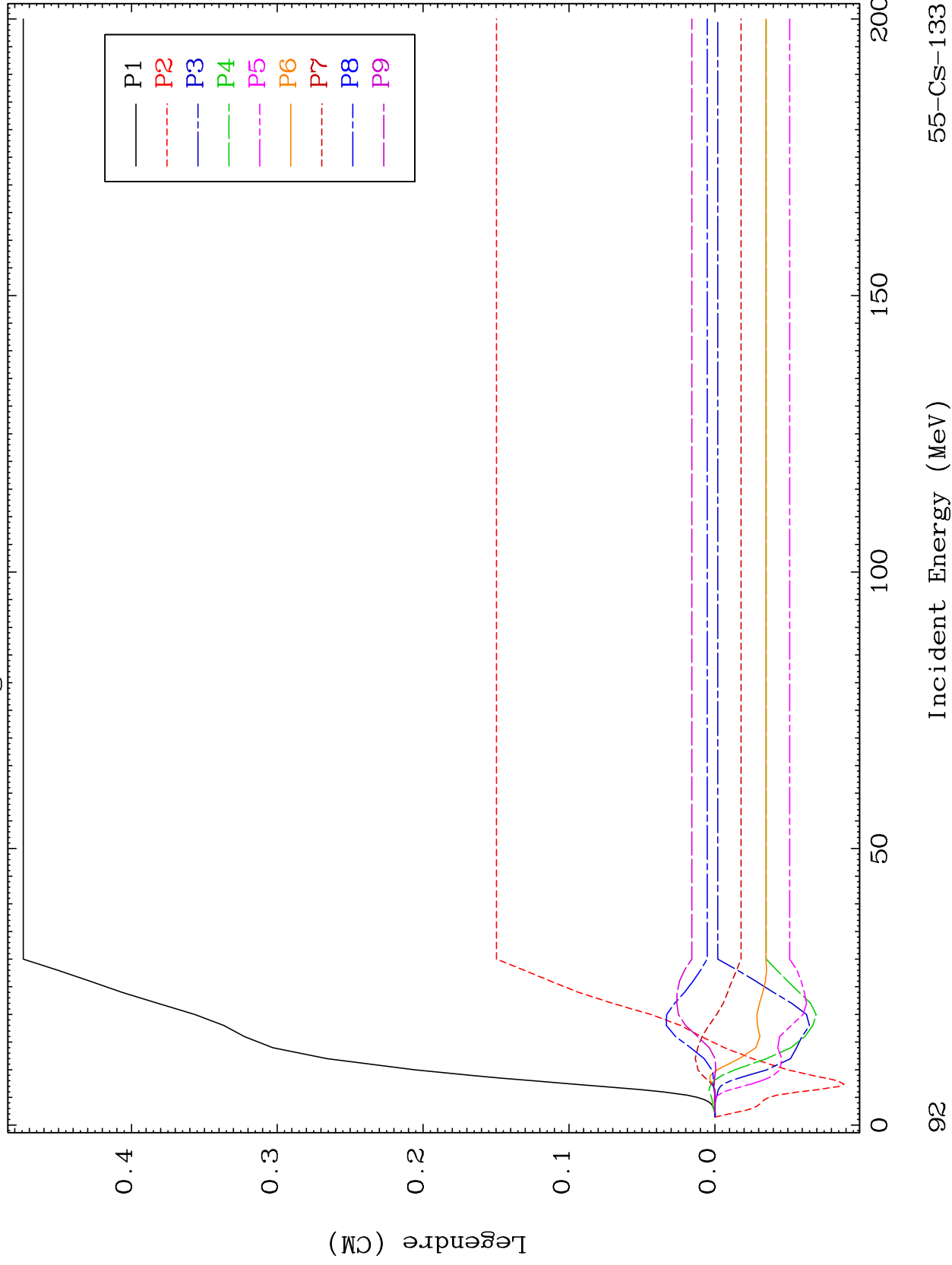
55-Cs-133



MAT 5525

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

55-Cs-133



55-Cs-133

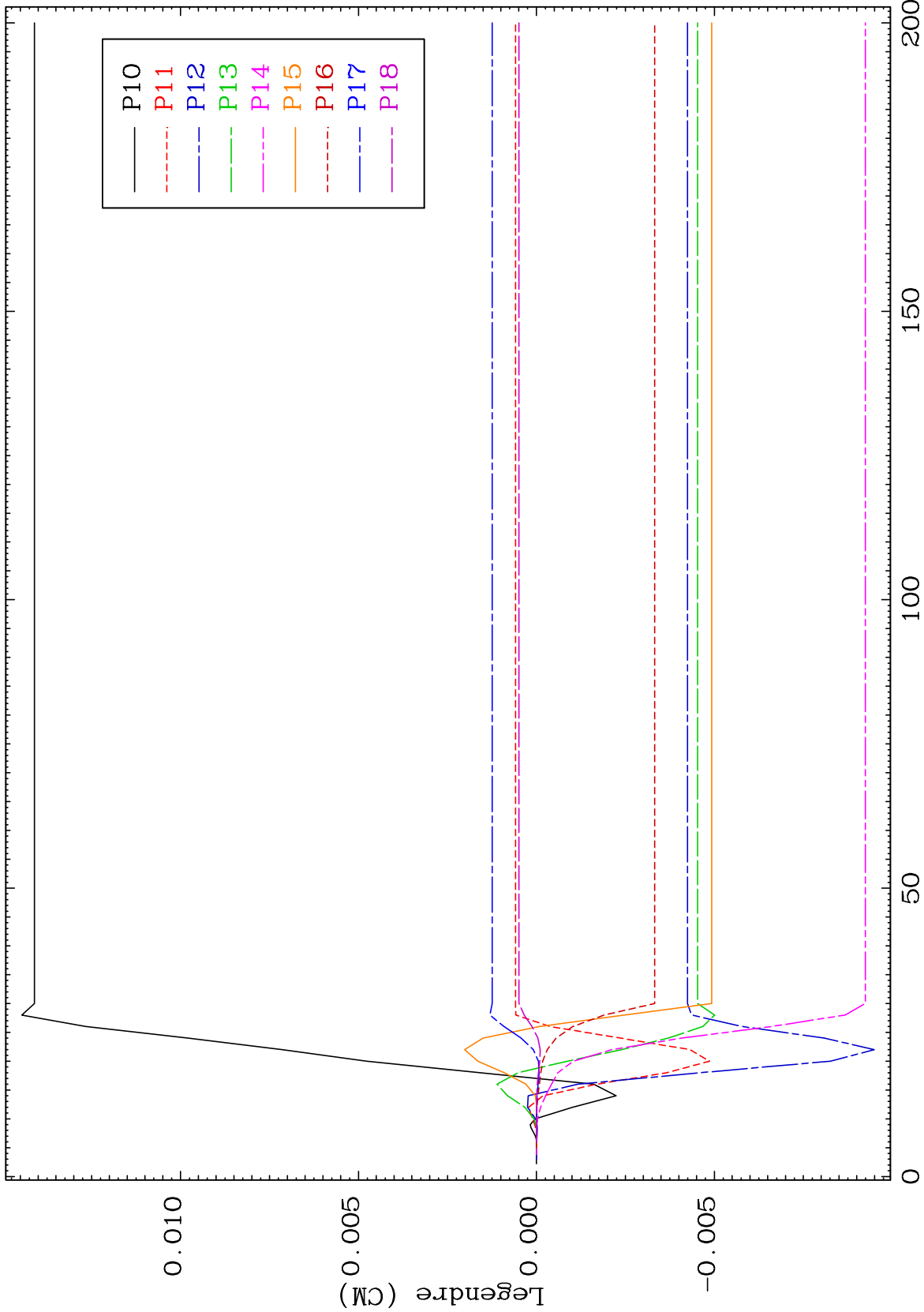
Incident Energy (MeV)

92

MAT 5525

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

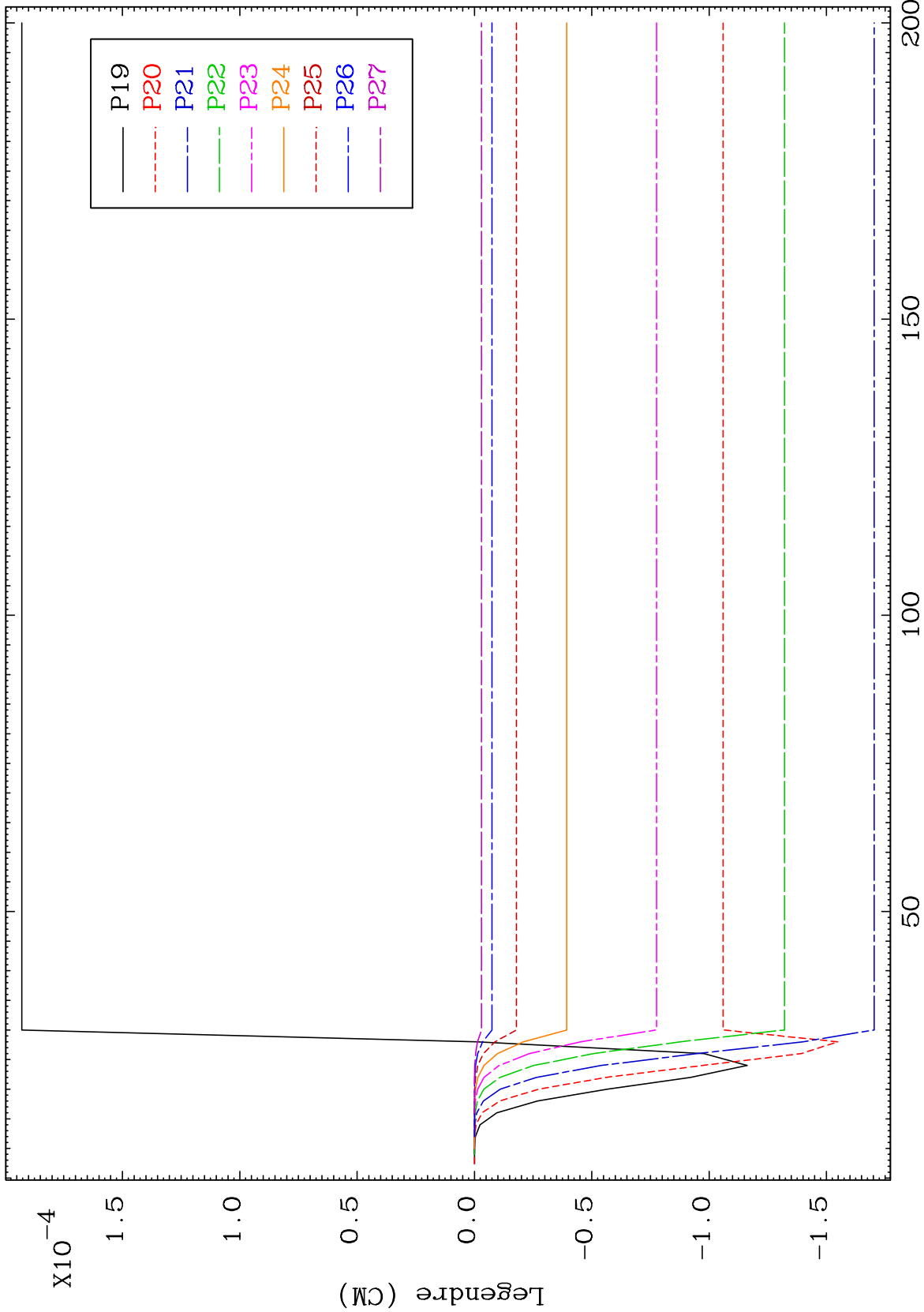
55-Cs-133

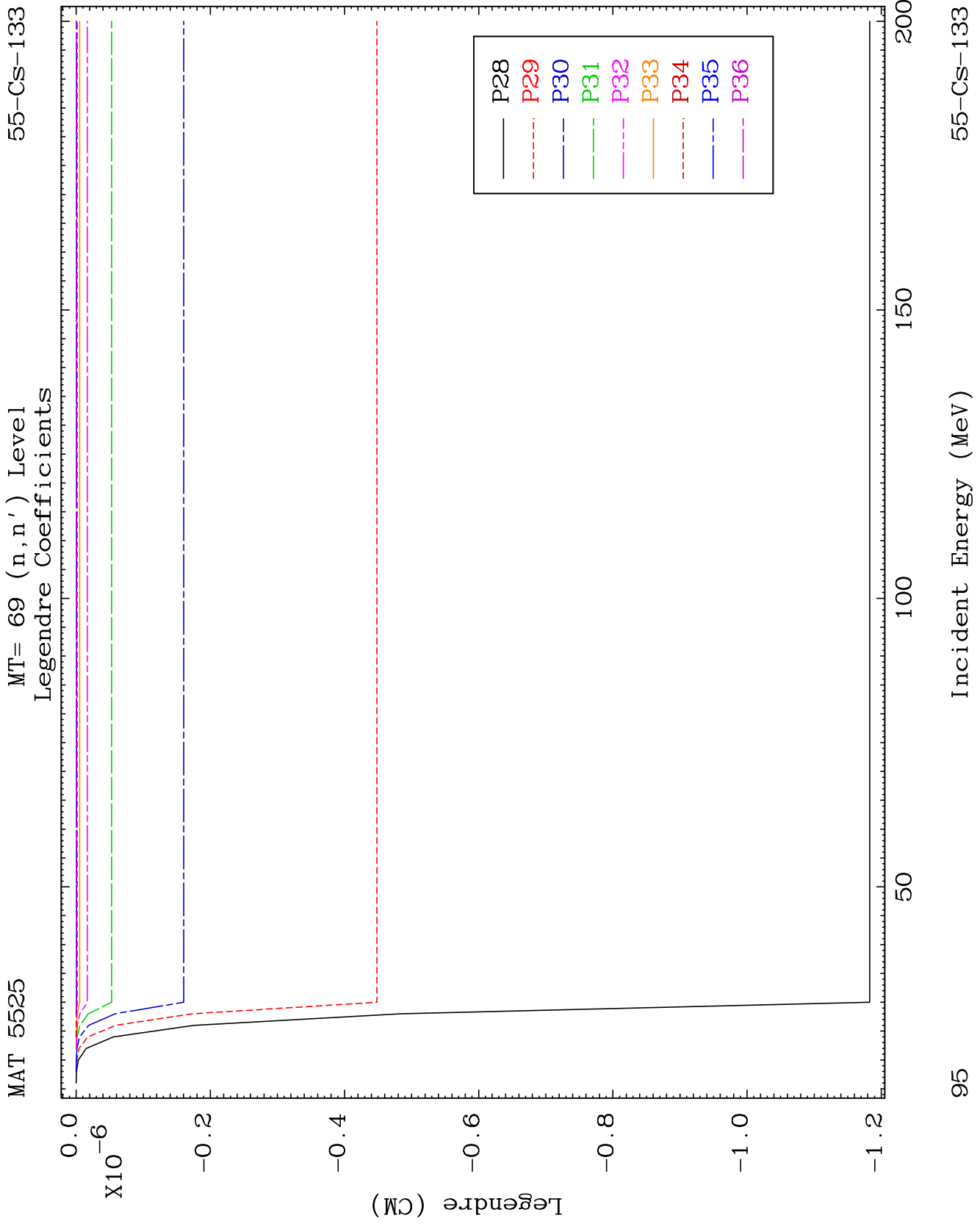


93

Incident Energy (MeV)

55-Cs-133





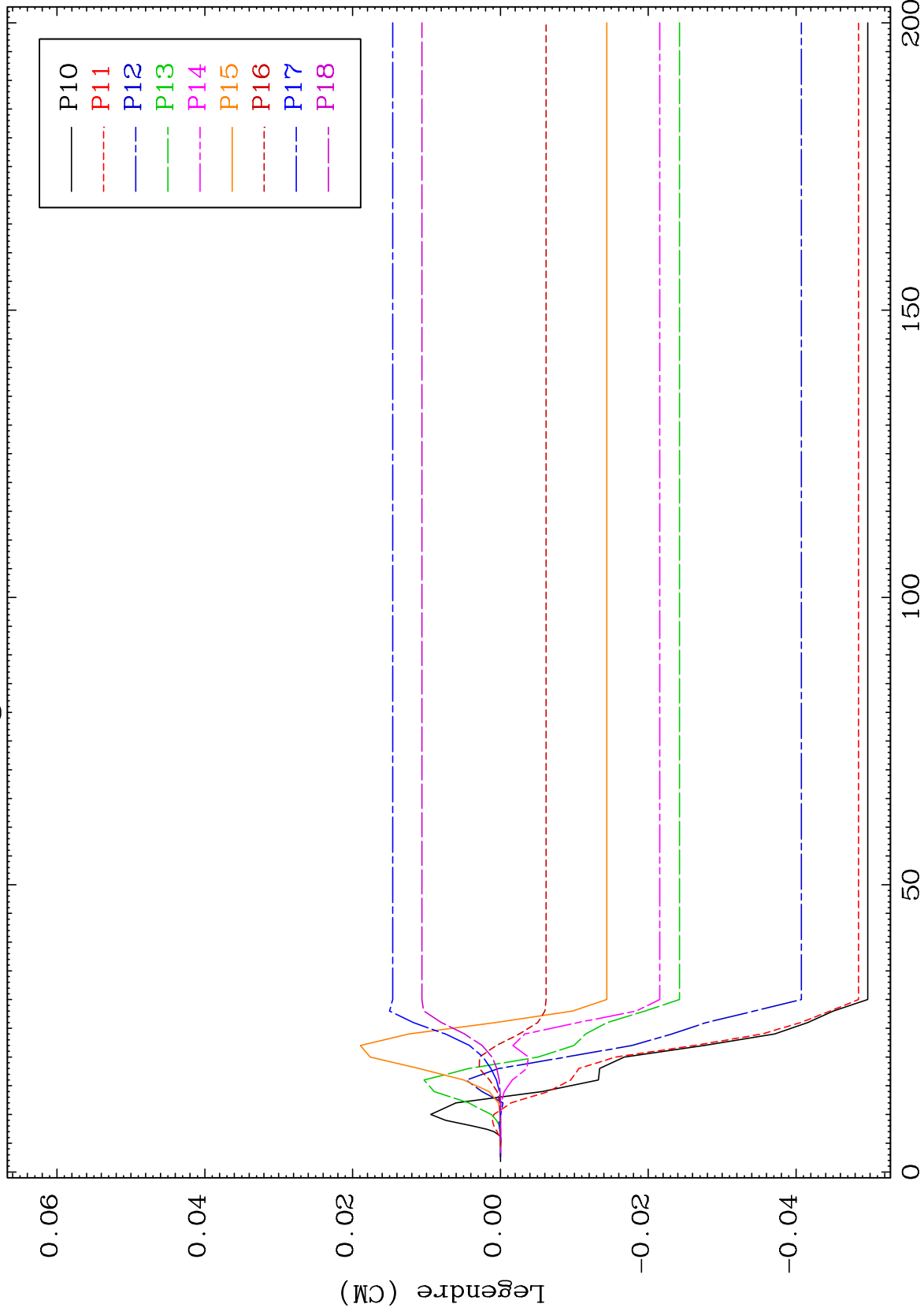




MAT 5525

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

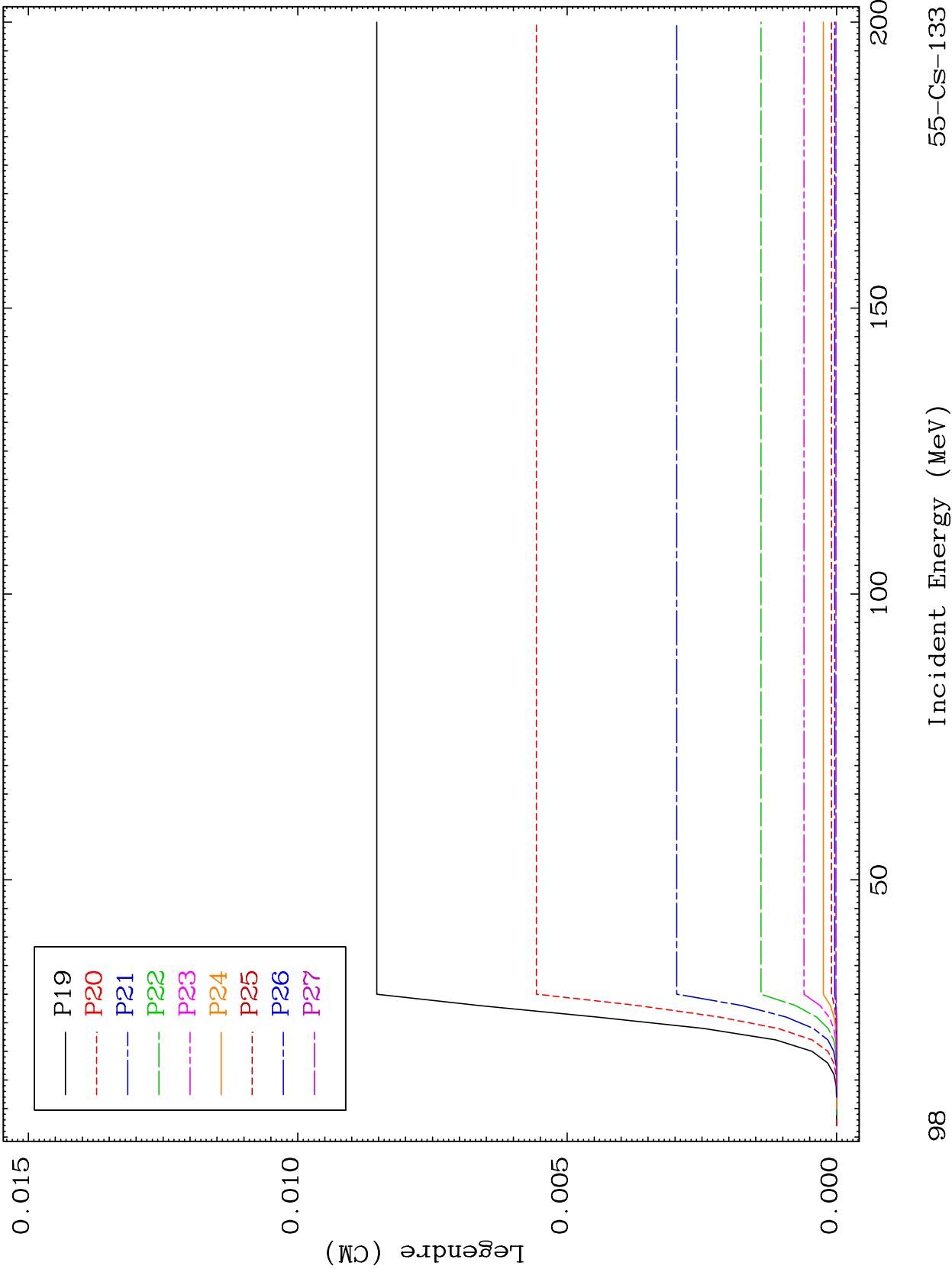
55-Cs-133



97

Incident Energy (MeV)

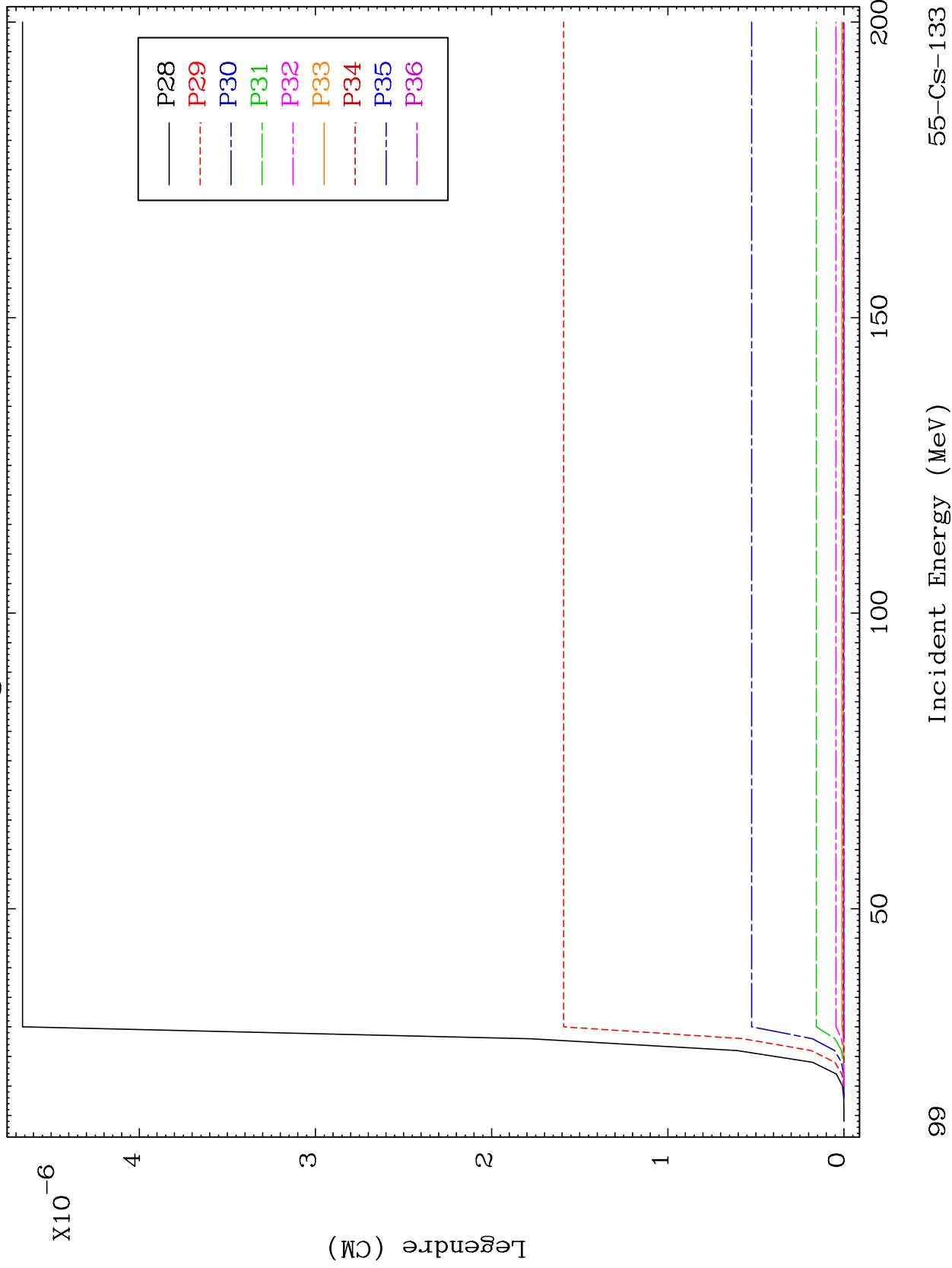
55-Cs-133



MAT 5525

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

55-Cs-133



99

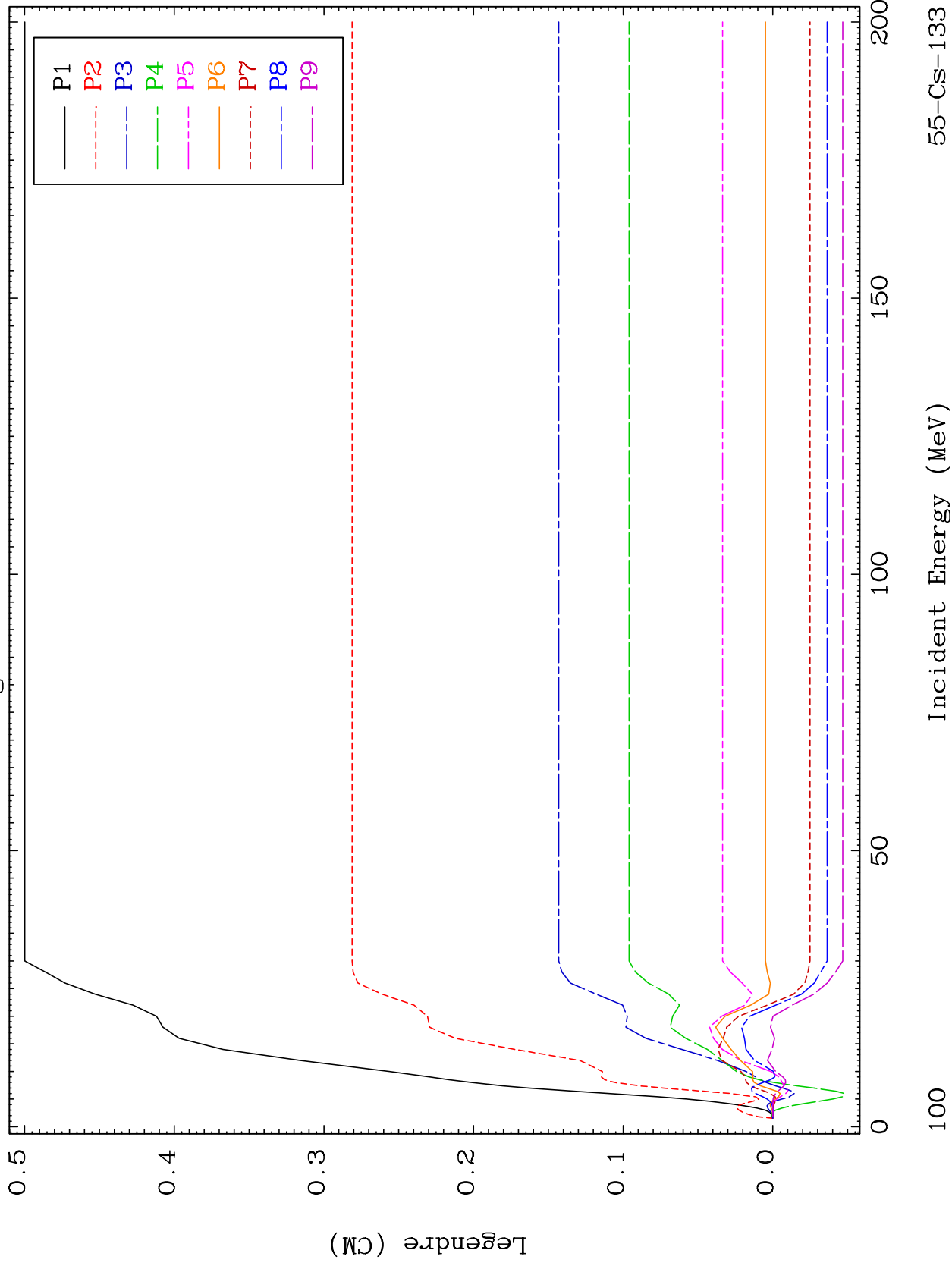
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



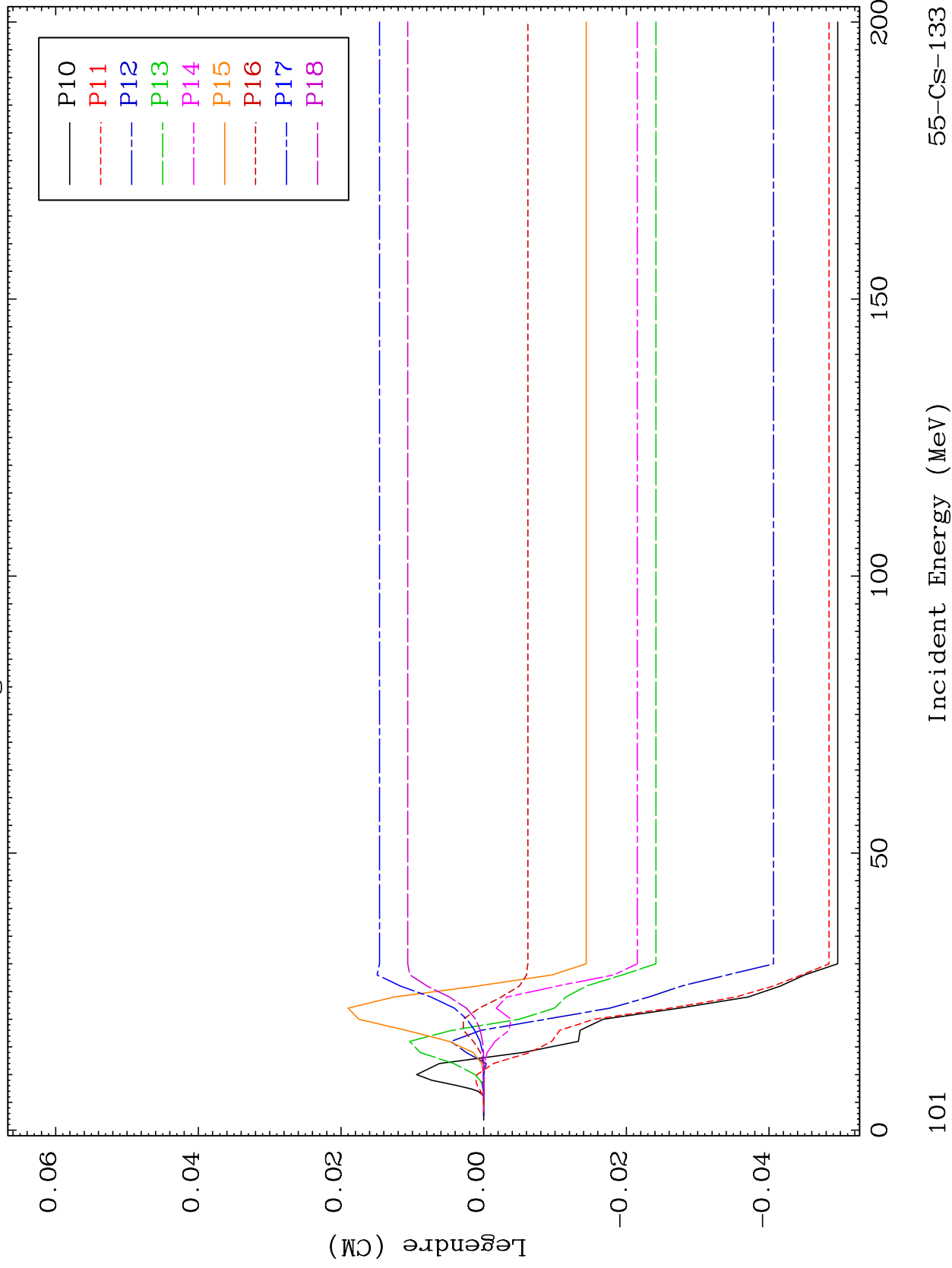
55-Cs-133

Incident Energy (MeV)

MAT 5525

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

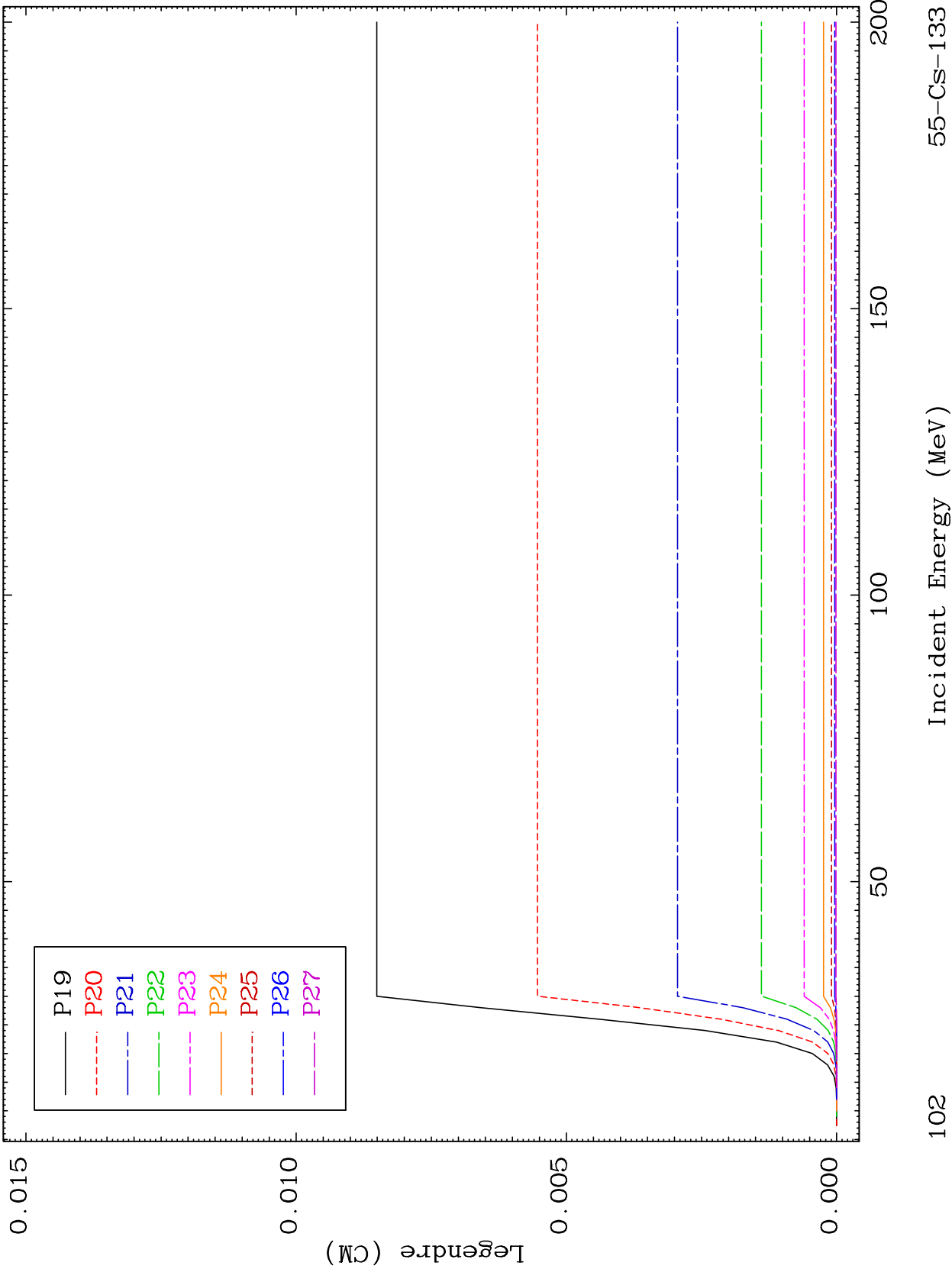
55-Cs-133



MAT 5525

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

55-Cs-133



102

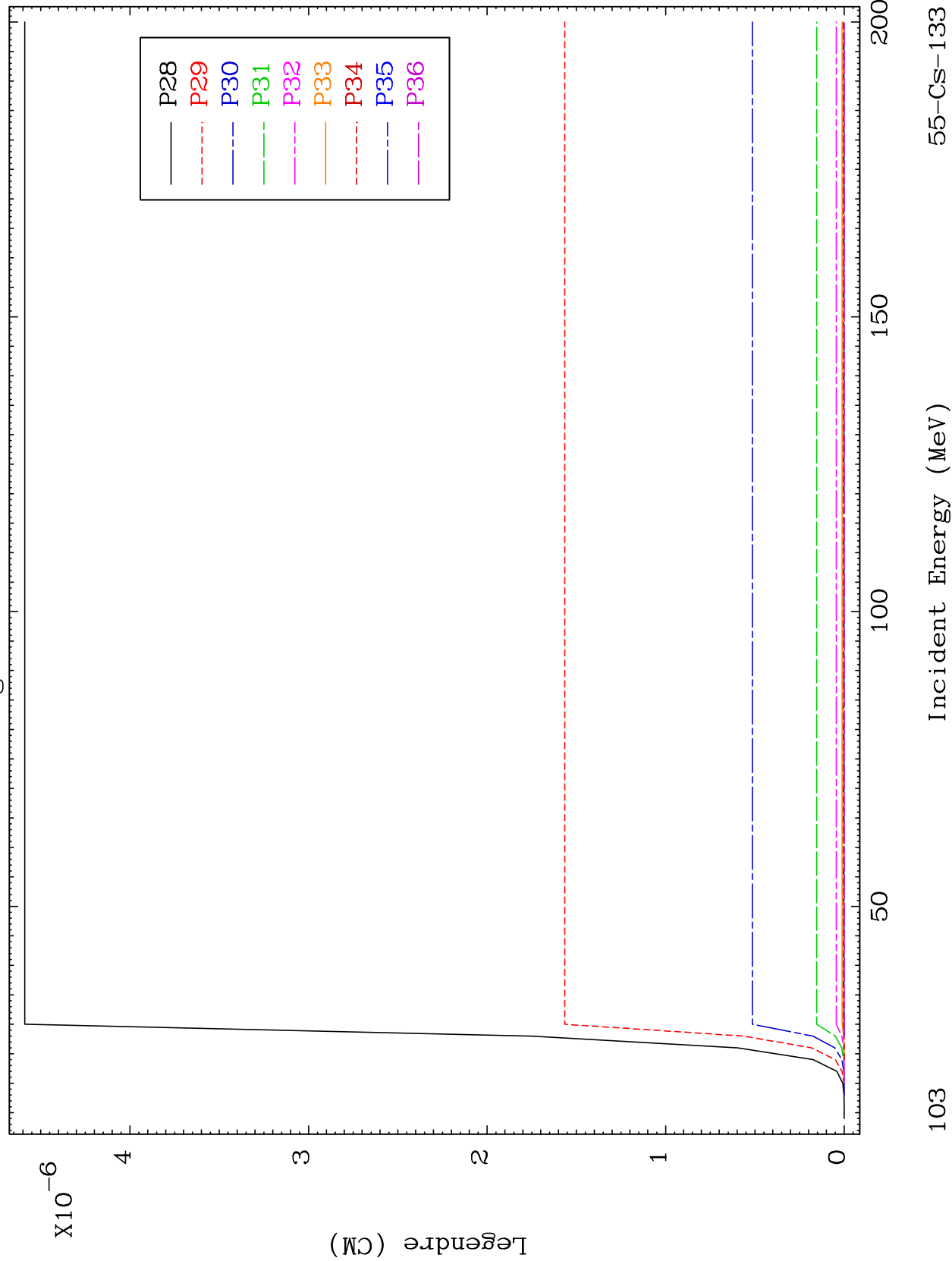
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133

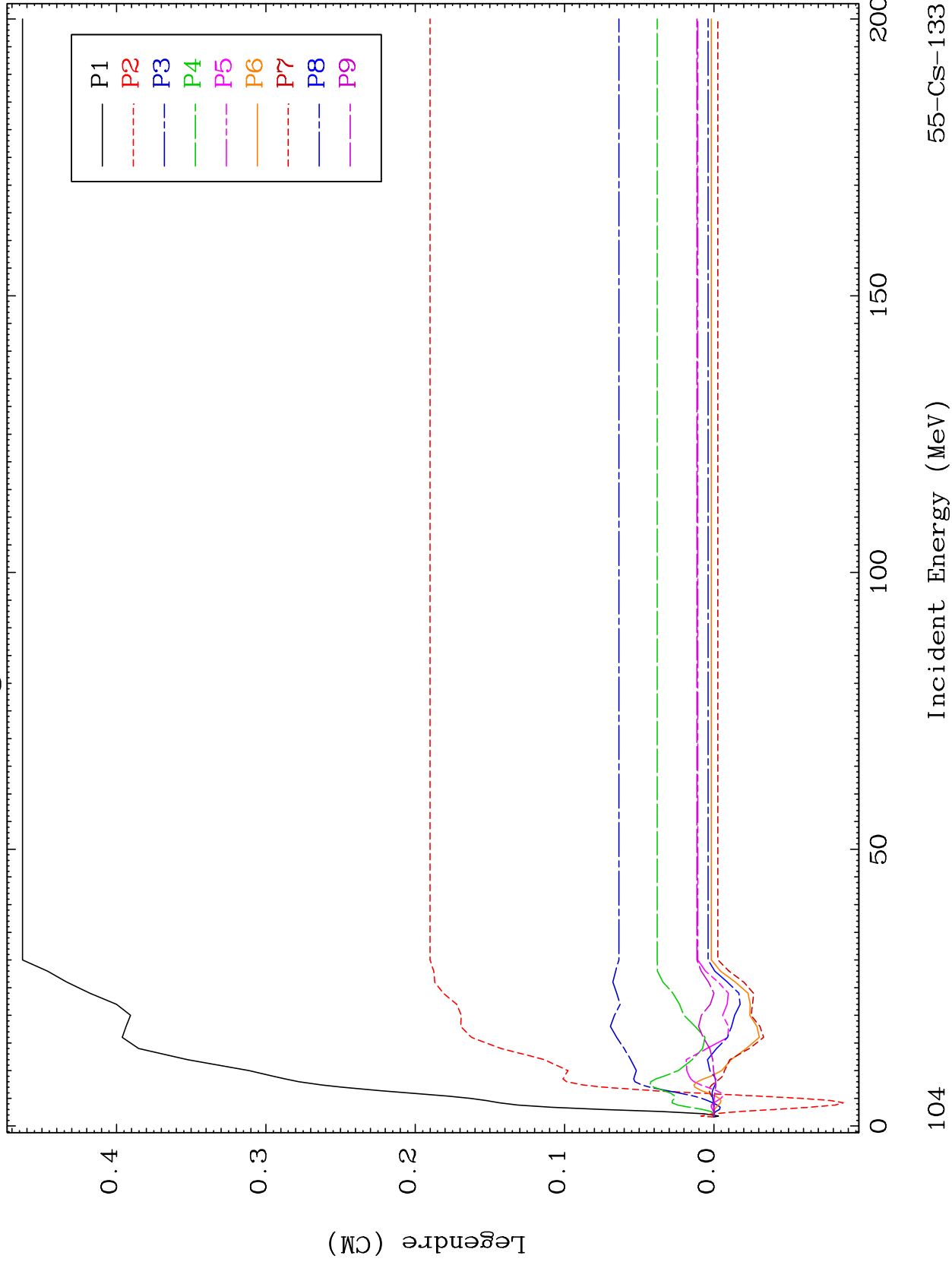




MAT 5525

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

55-Cs-133

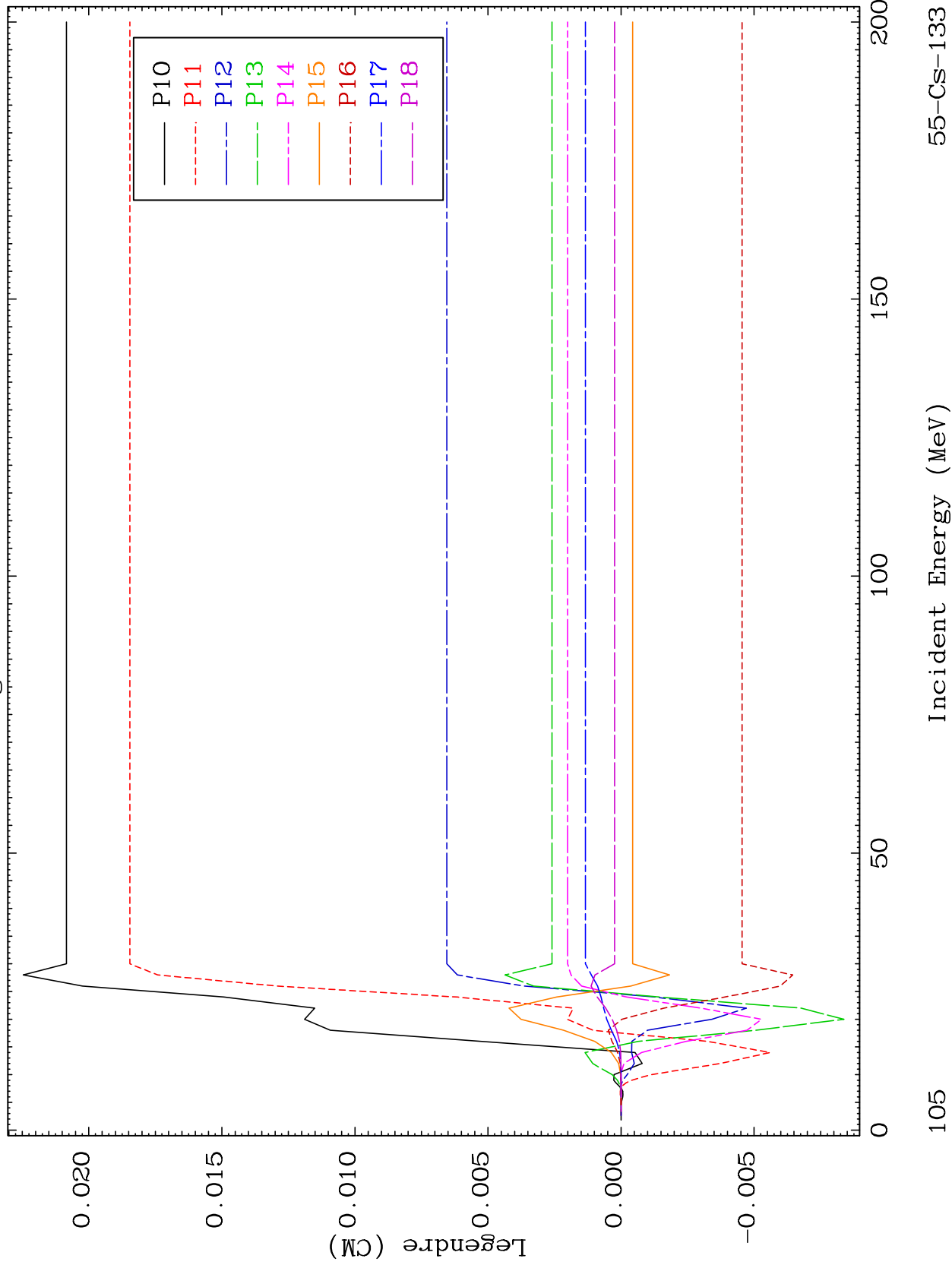


104

MAT 5525

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

55-Cs-133



55-Cs-133

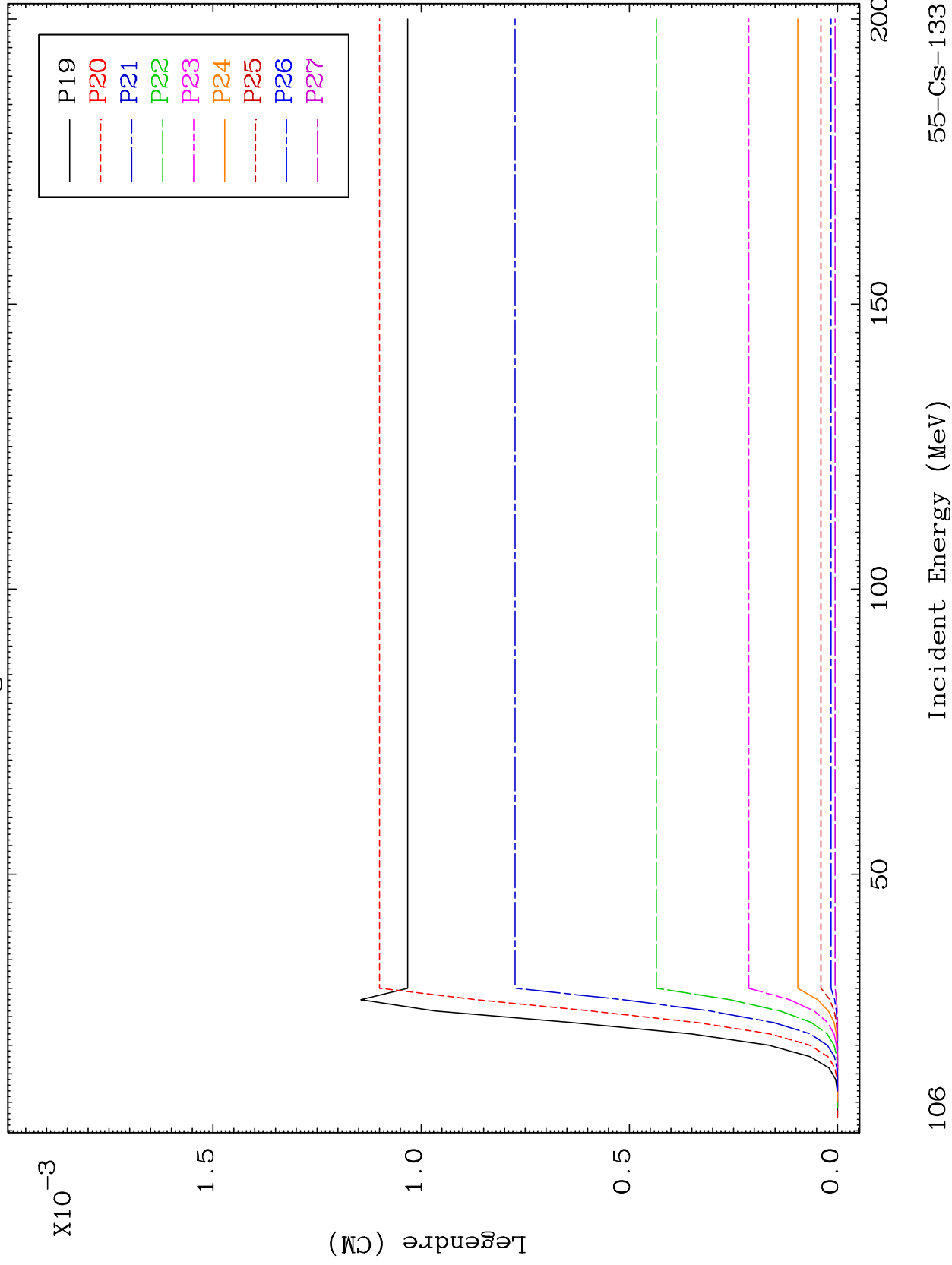
Incident Energy (MeV)

105

MAT 5525

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

55-Cs-133



106

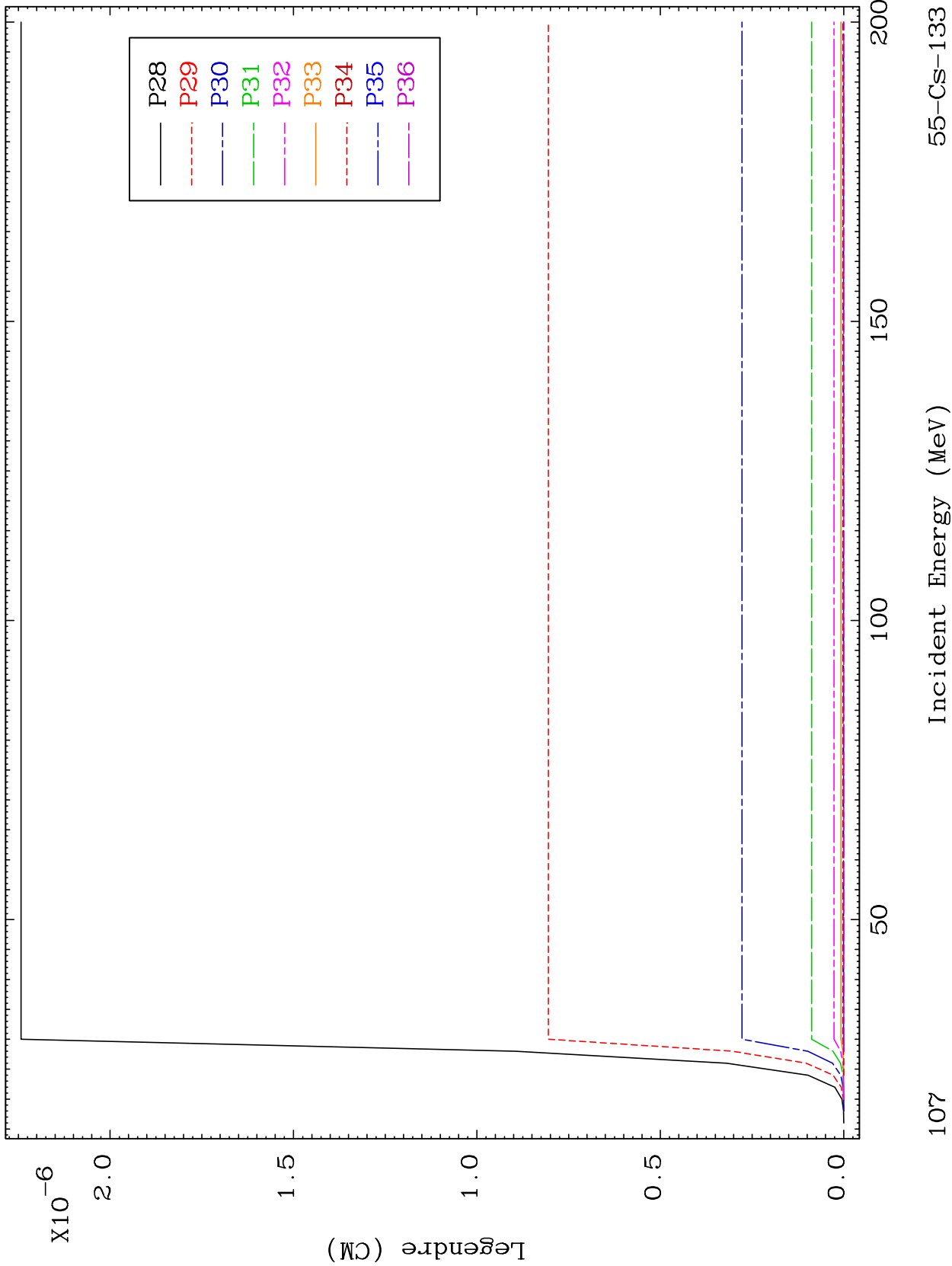
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



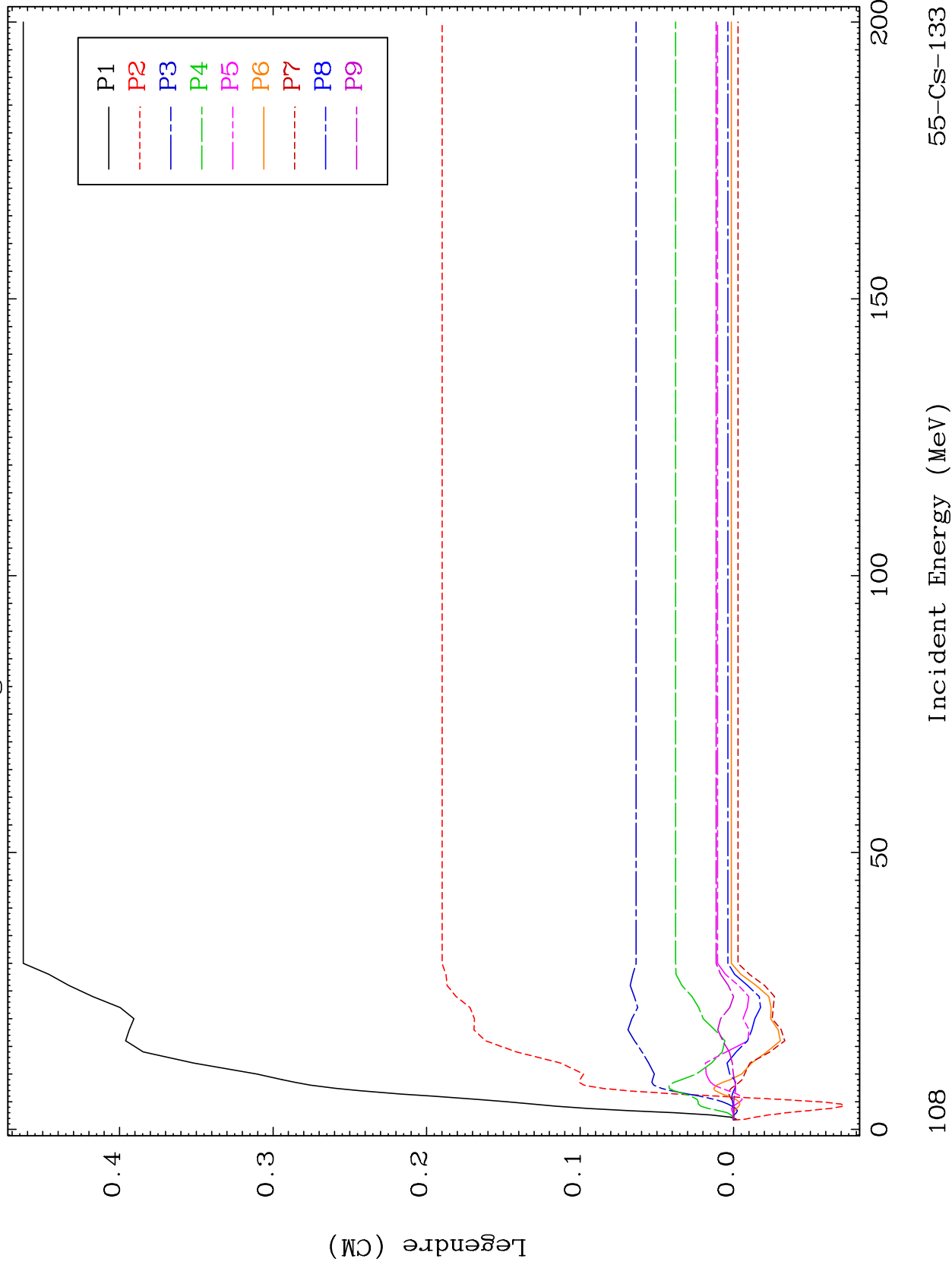
107

55-Cs-133

MAT 5525

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

55-Cs-133



55-Cs-133

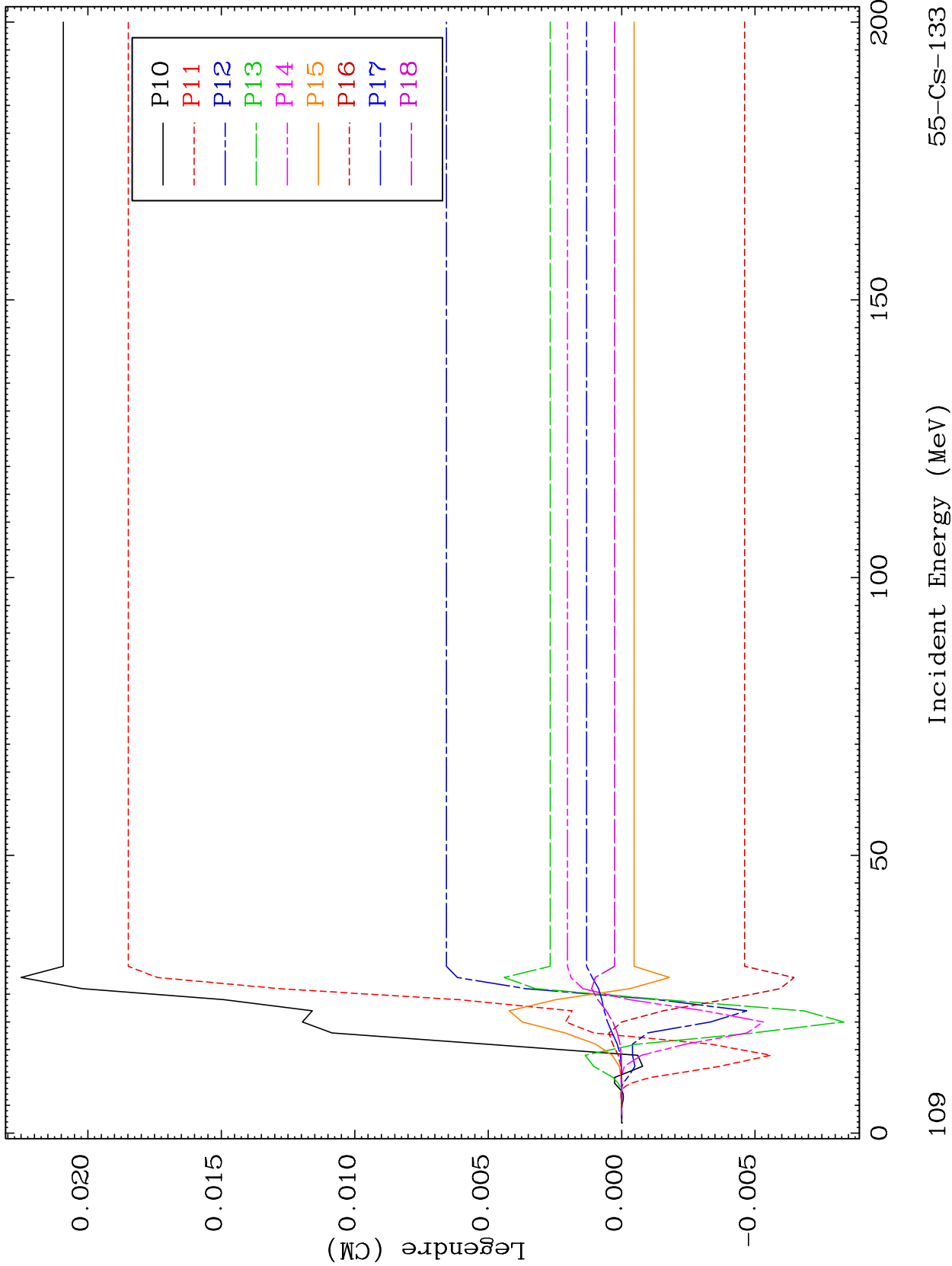
Incident Energy (MeV)

108

MAT 5525

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

55-Cs-133



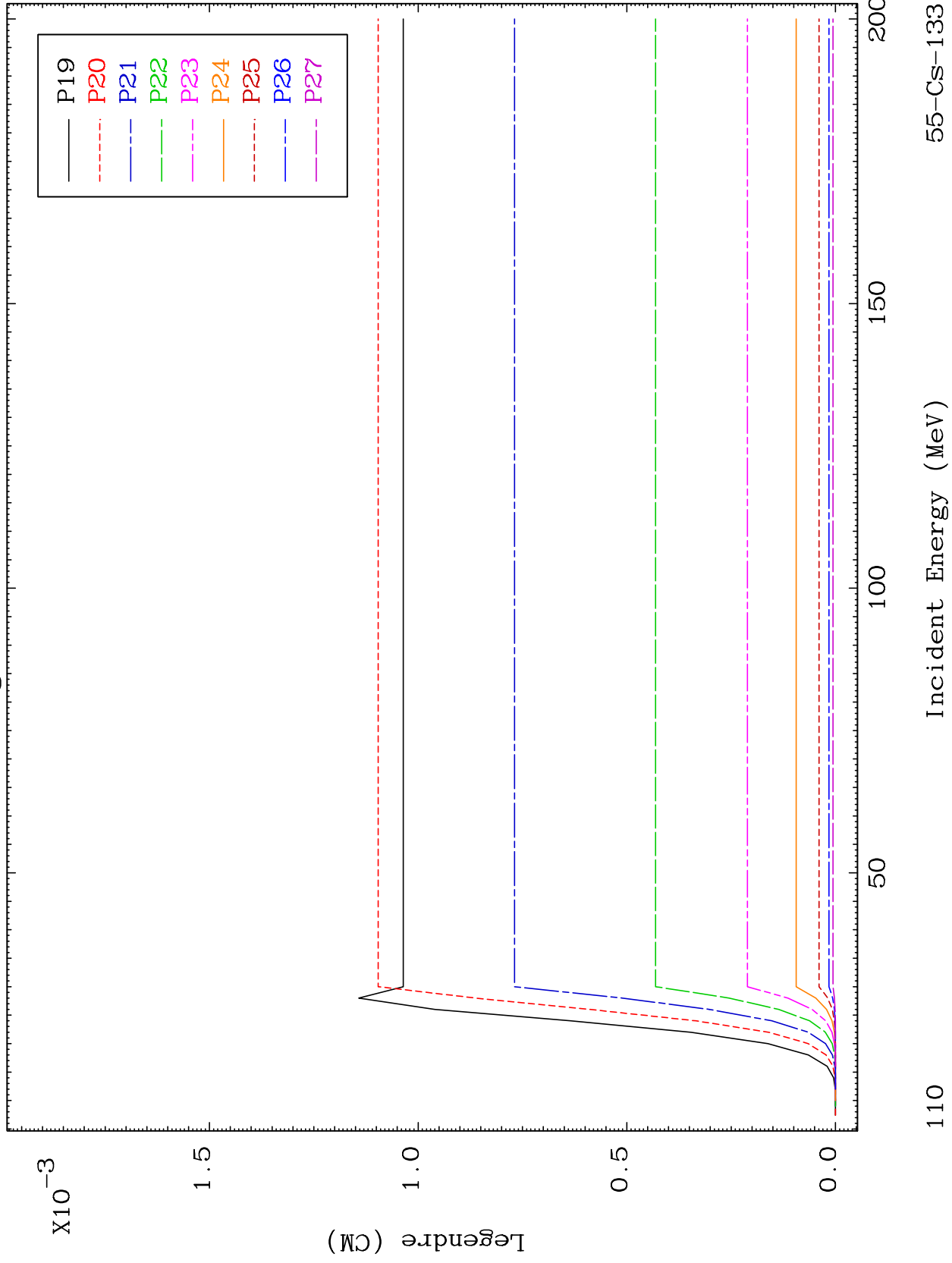
109

55-Cs-133

MAT 5525

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

55-Cs-133



55-Cs-133

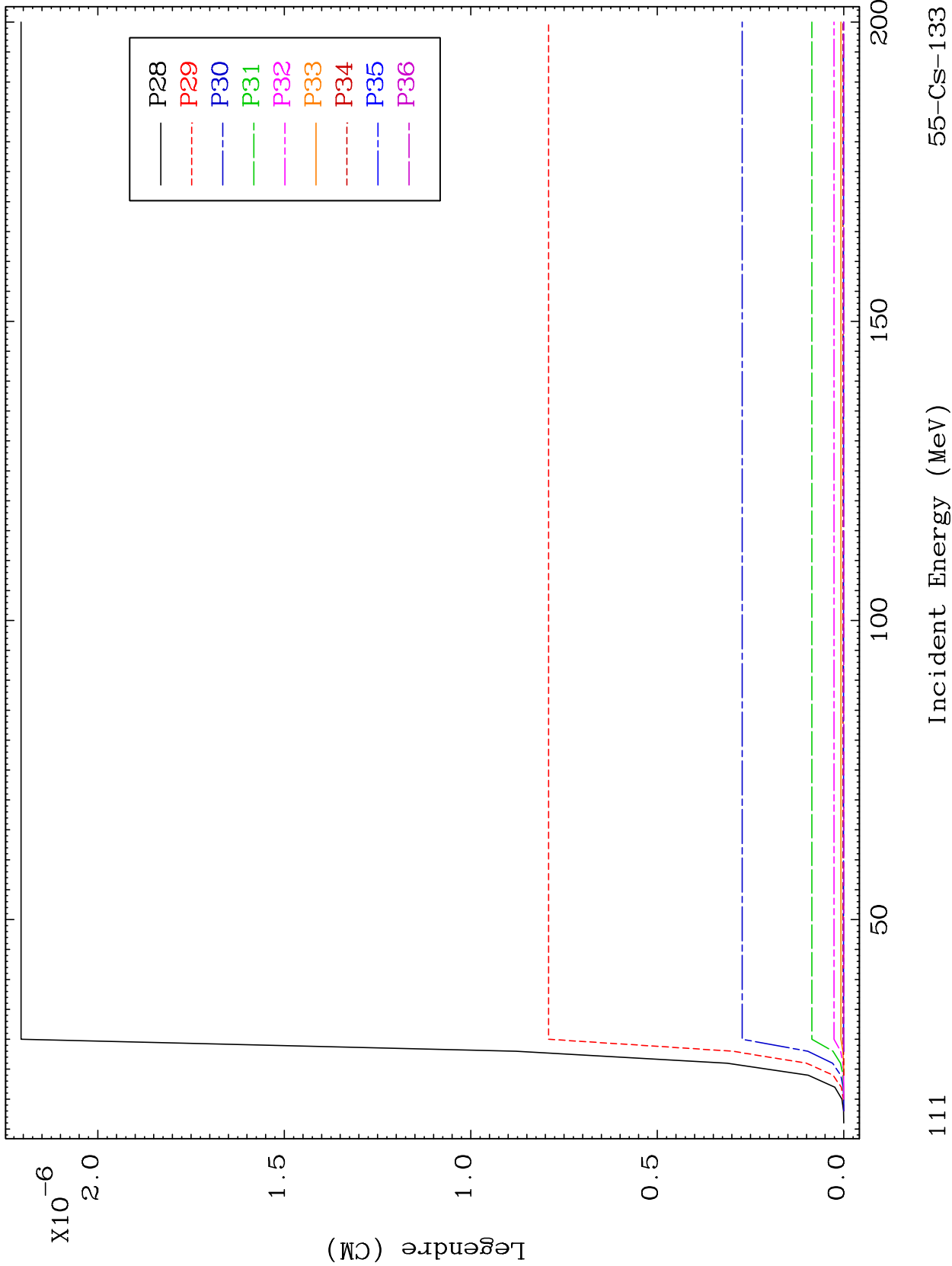
Incident Energy (MeV)

110

MAT 5525

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

55-Cs-133

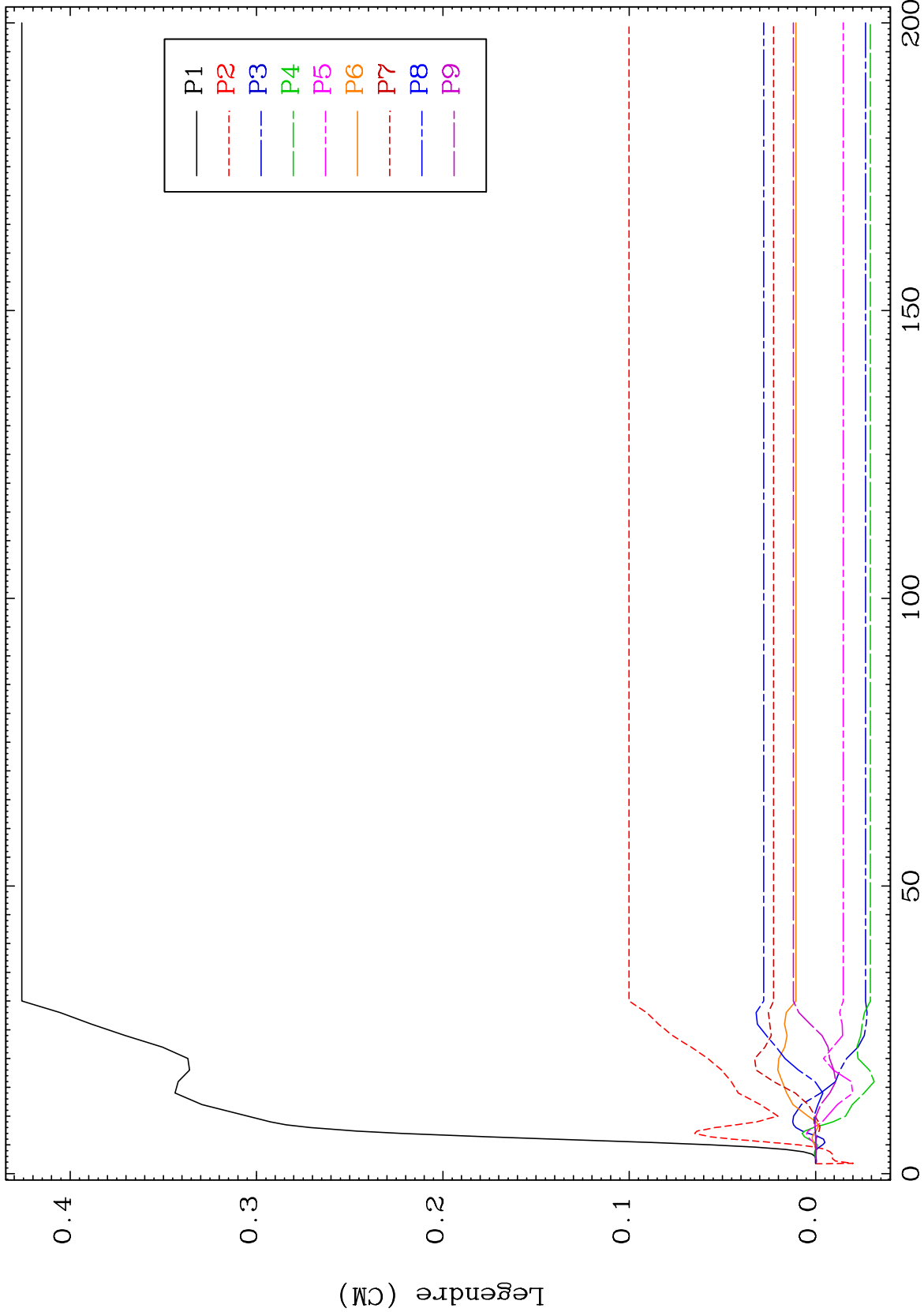




MAT 5525

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

55-Cs-133



55-Cs-133

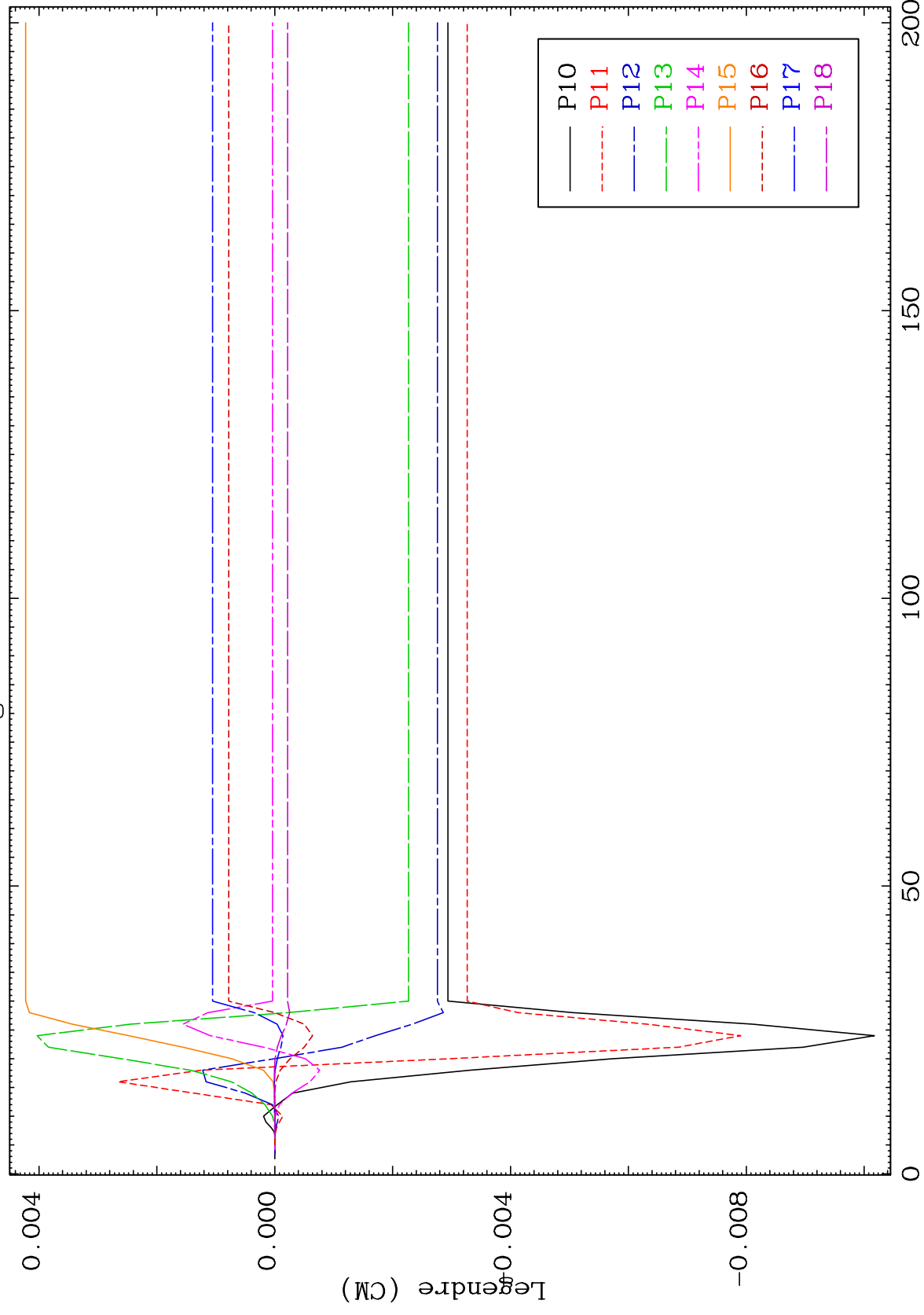
Incident Energy (MeV)

112

MAT 5525

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

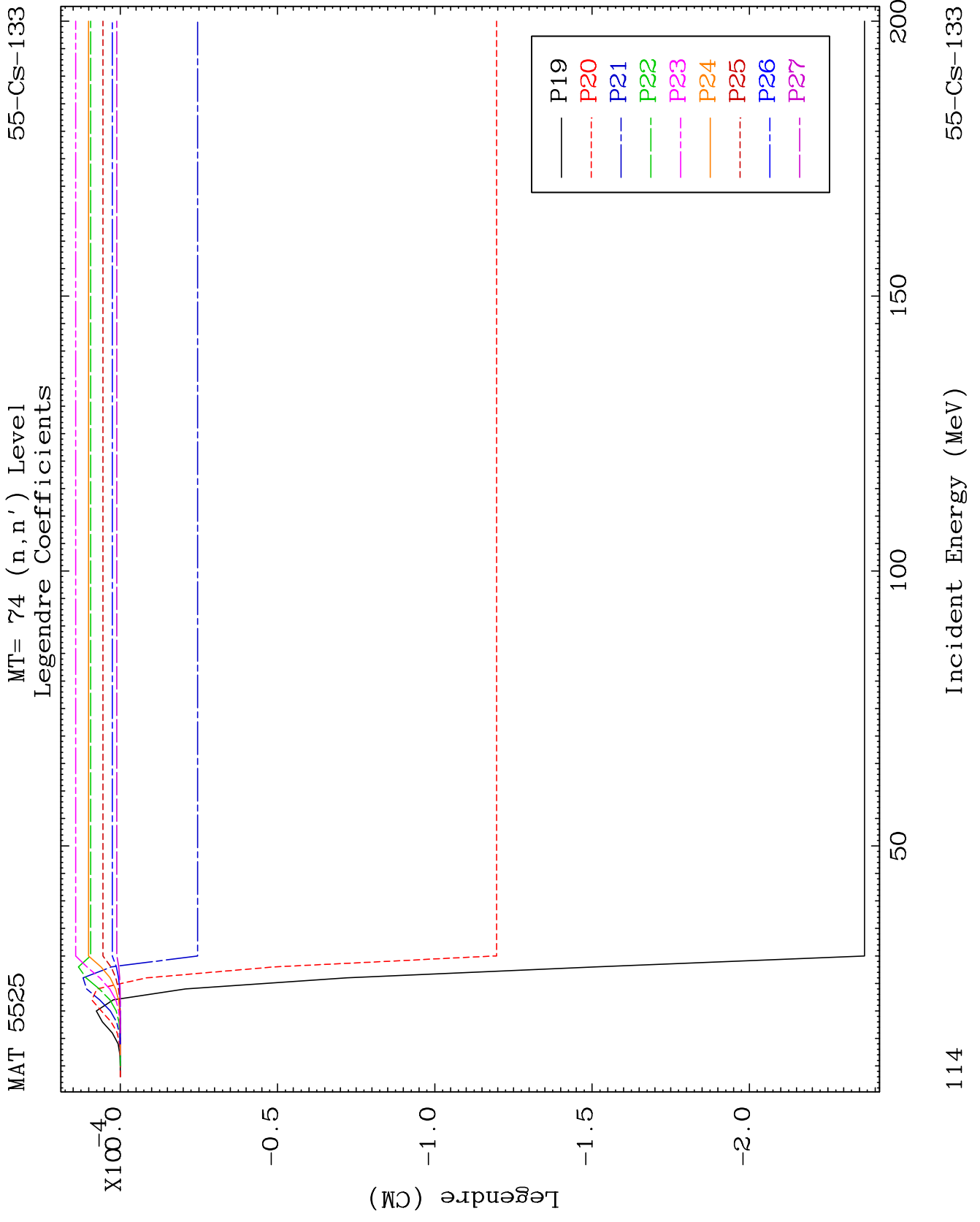
55-Cs-133



113

Incident Energy (MeV)

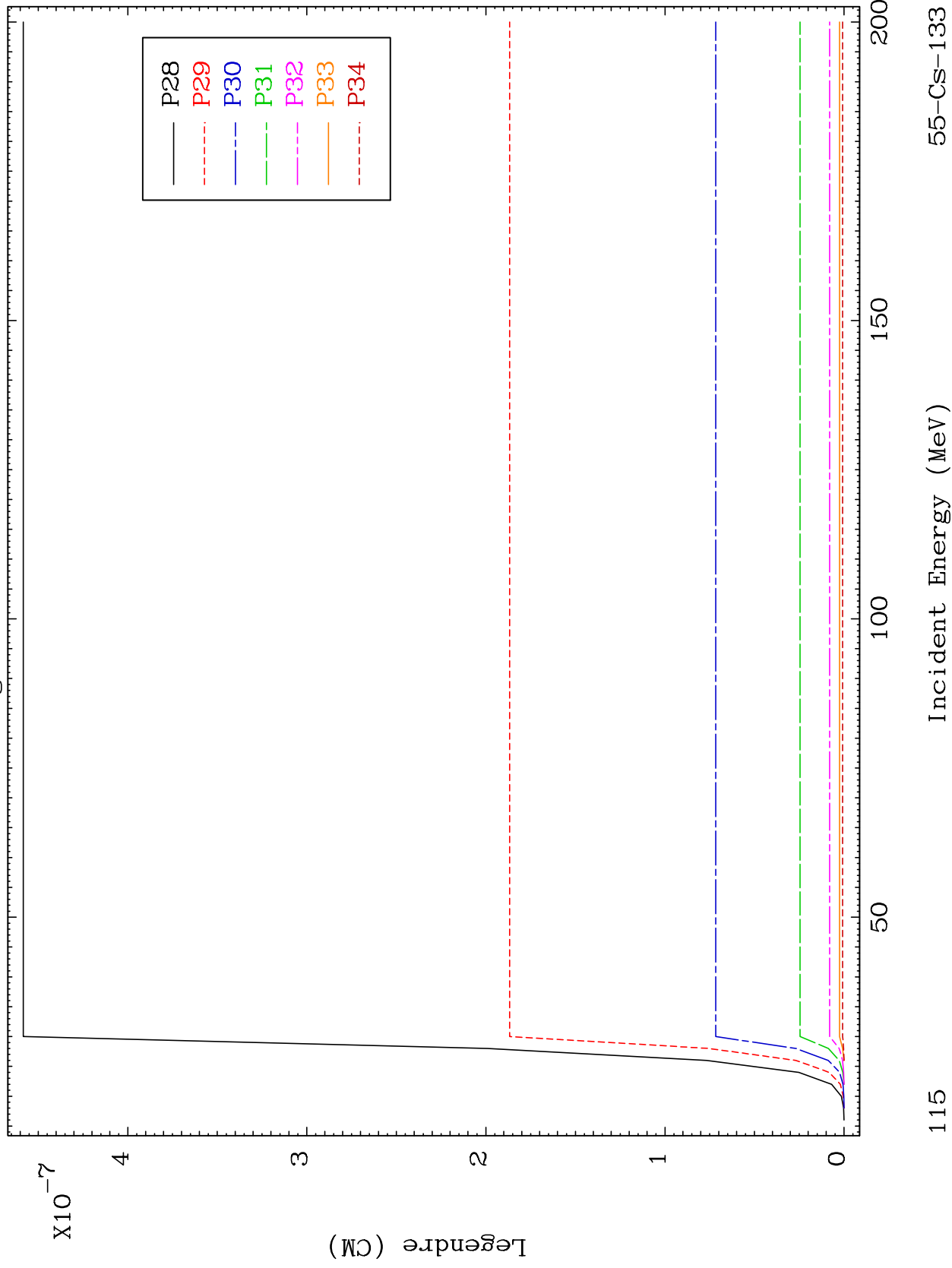
55-Cs-133



MAT 5525

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

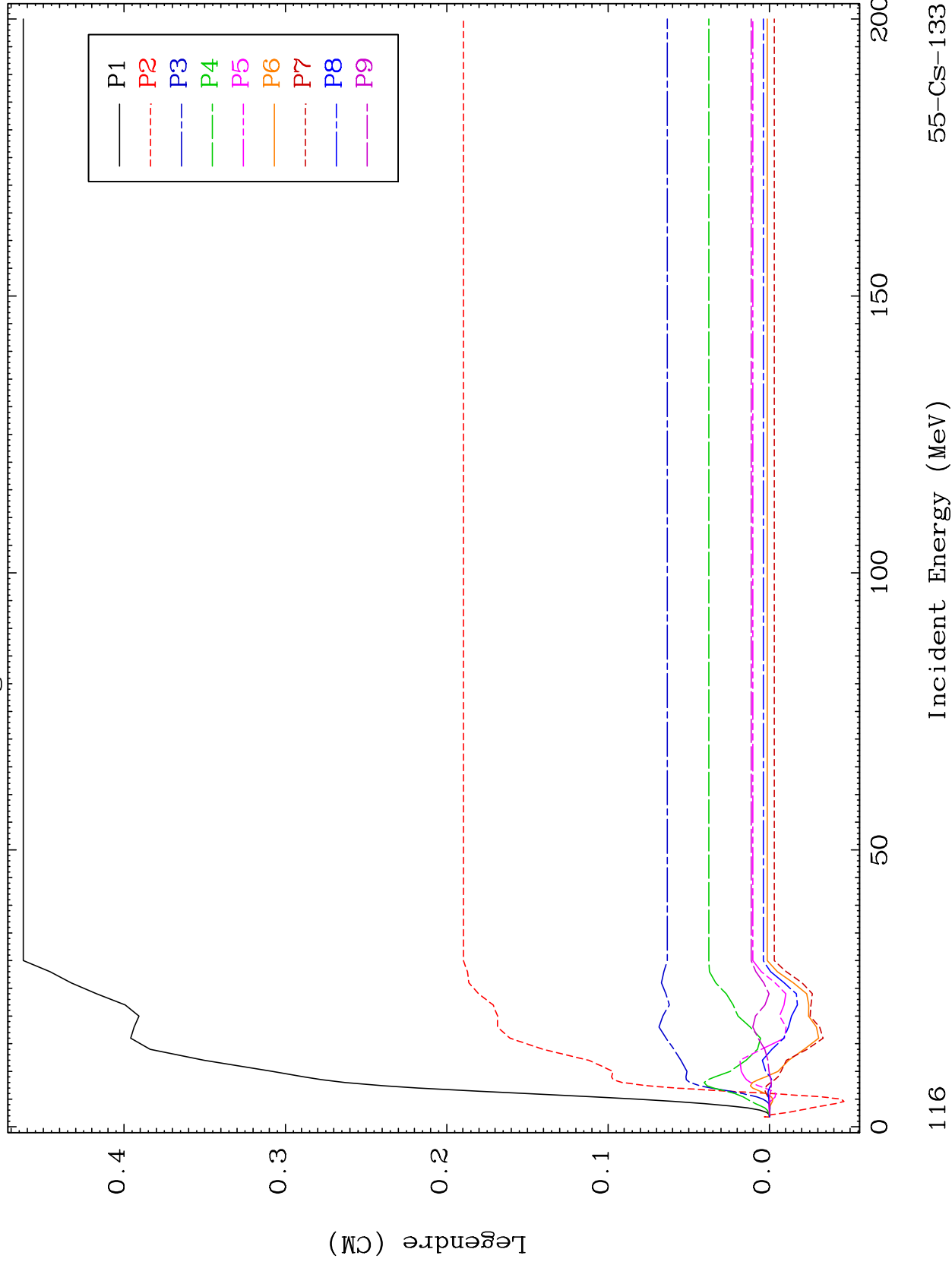
55-Cs-133



MAT 5525

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

55-Cs-133



116

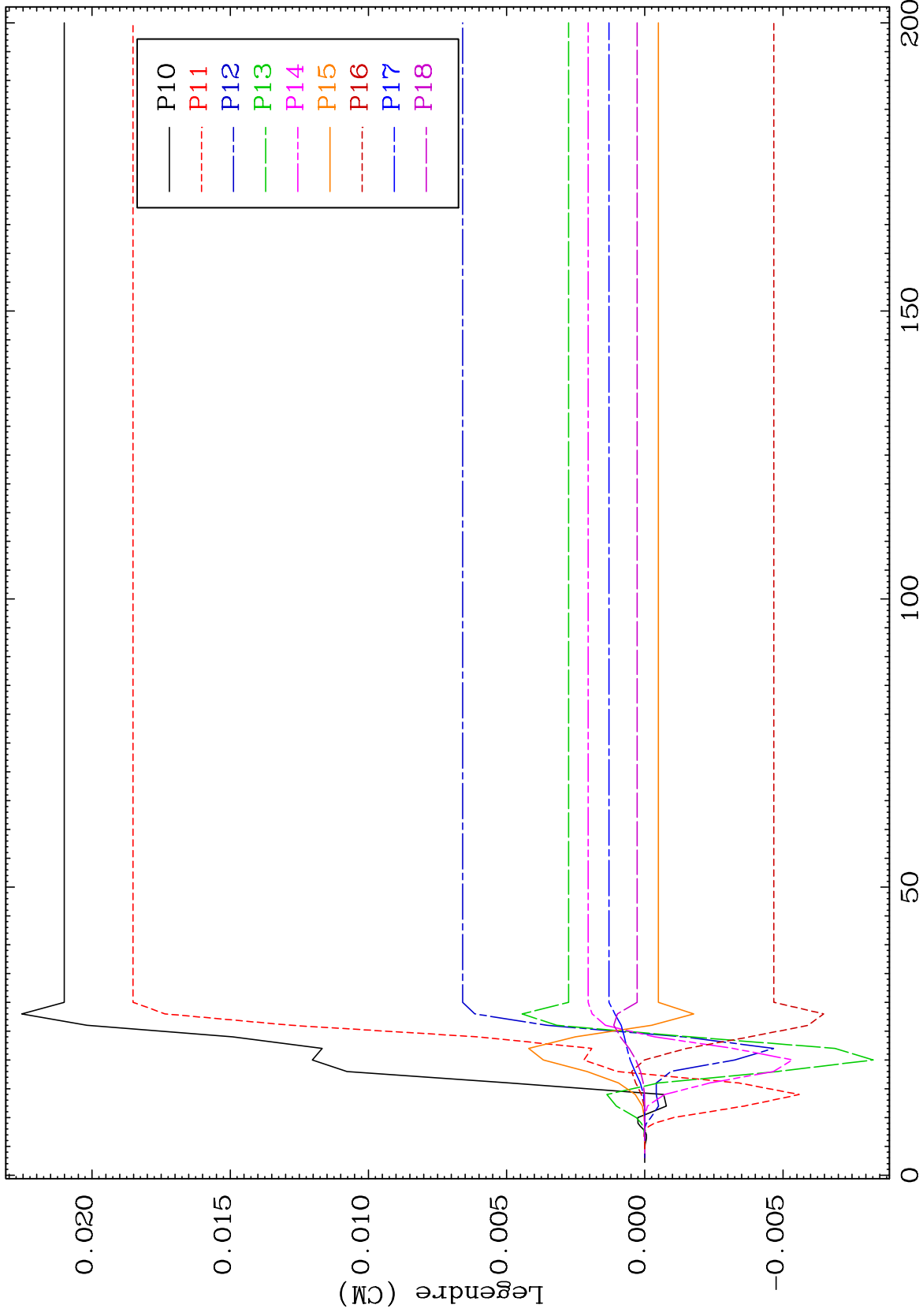
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



117

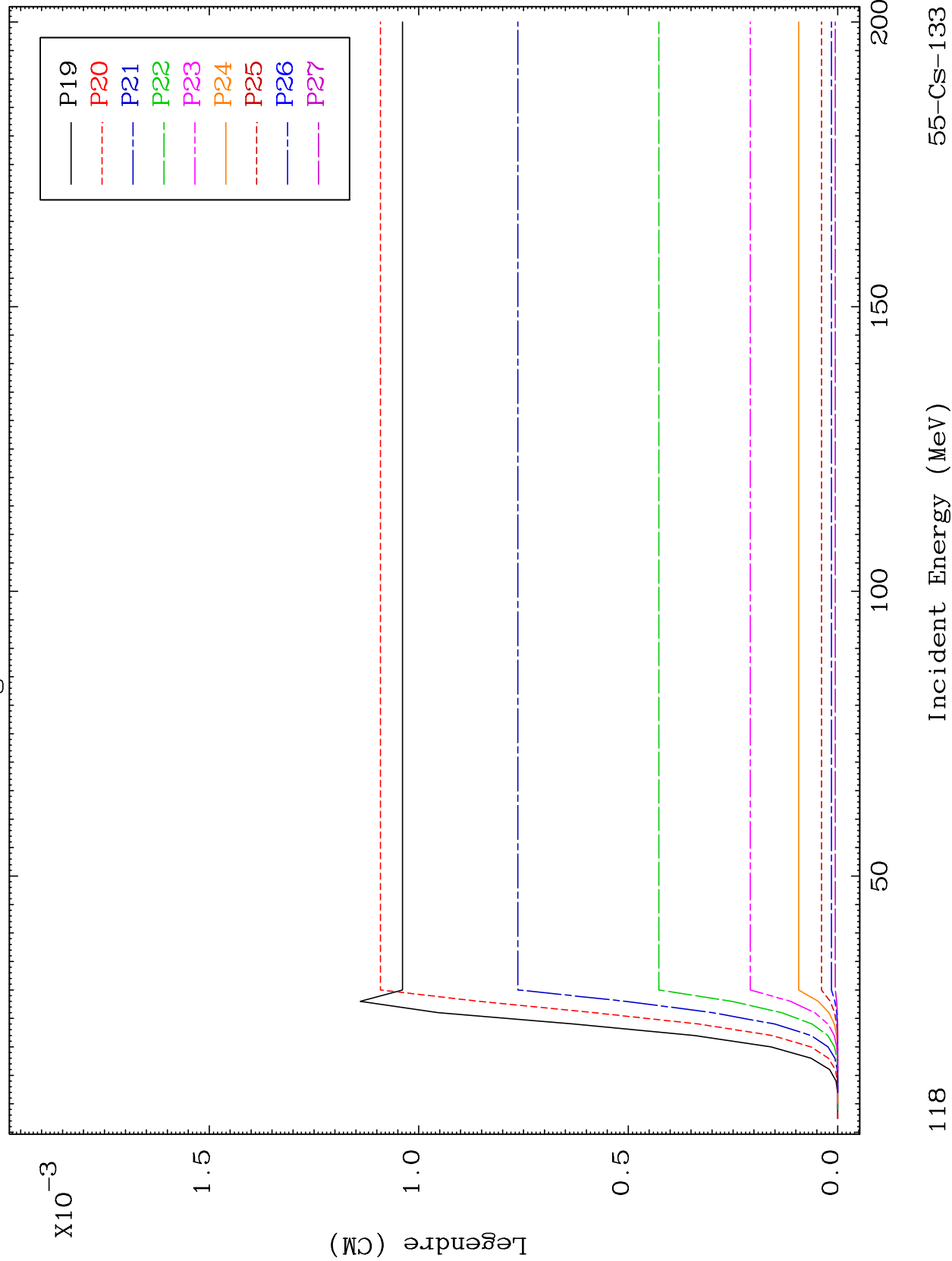
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



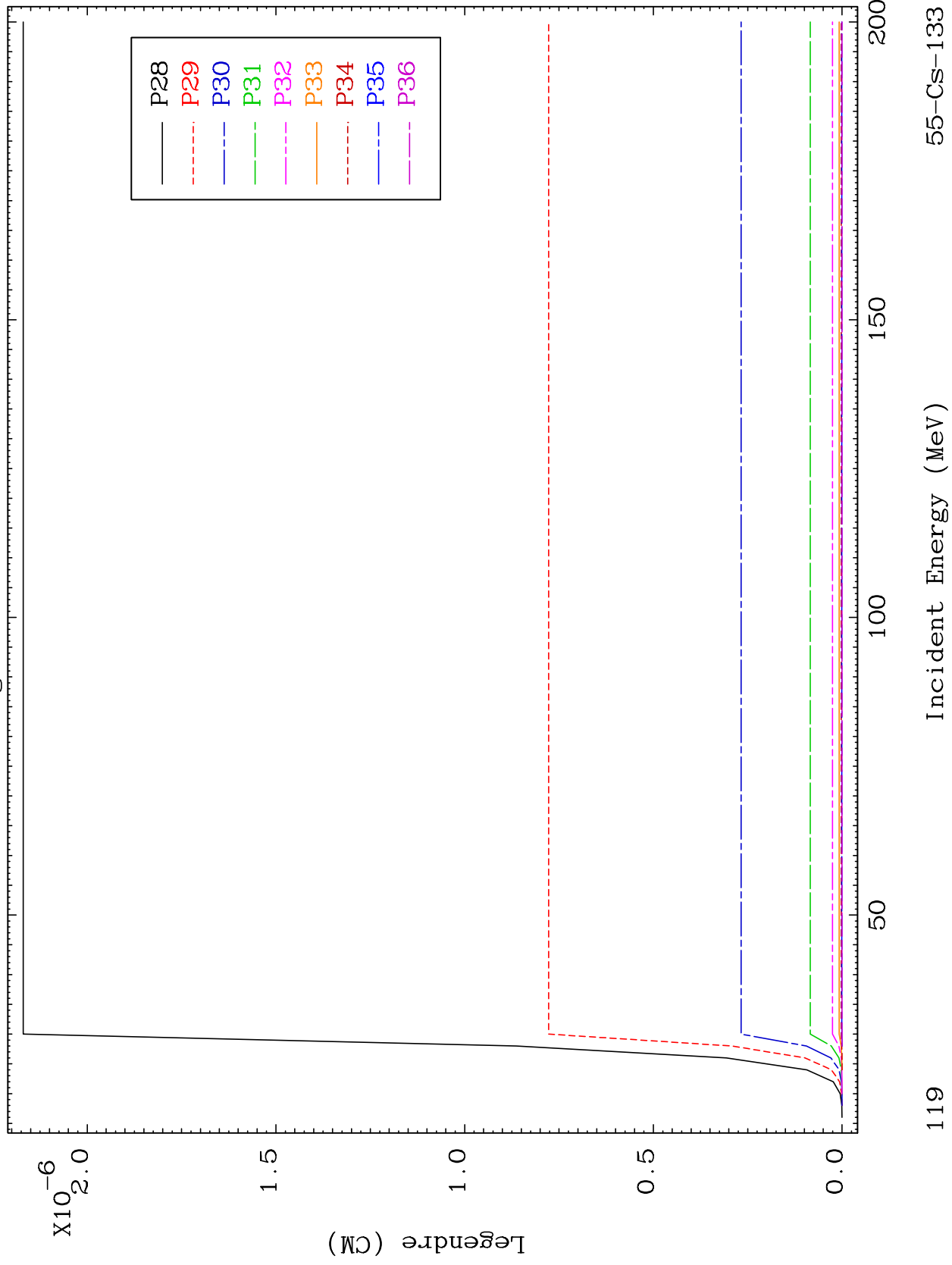
118

55-Cs-133

MAT 5525

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

55-Cs-133



119

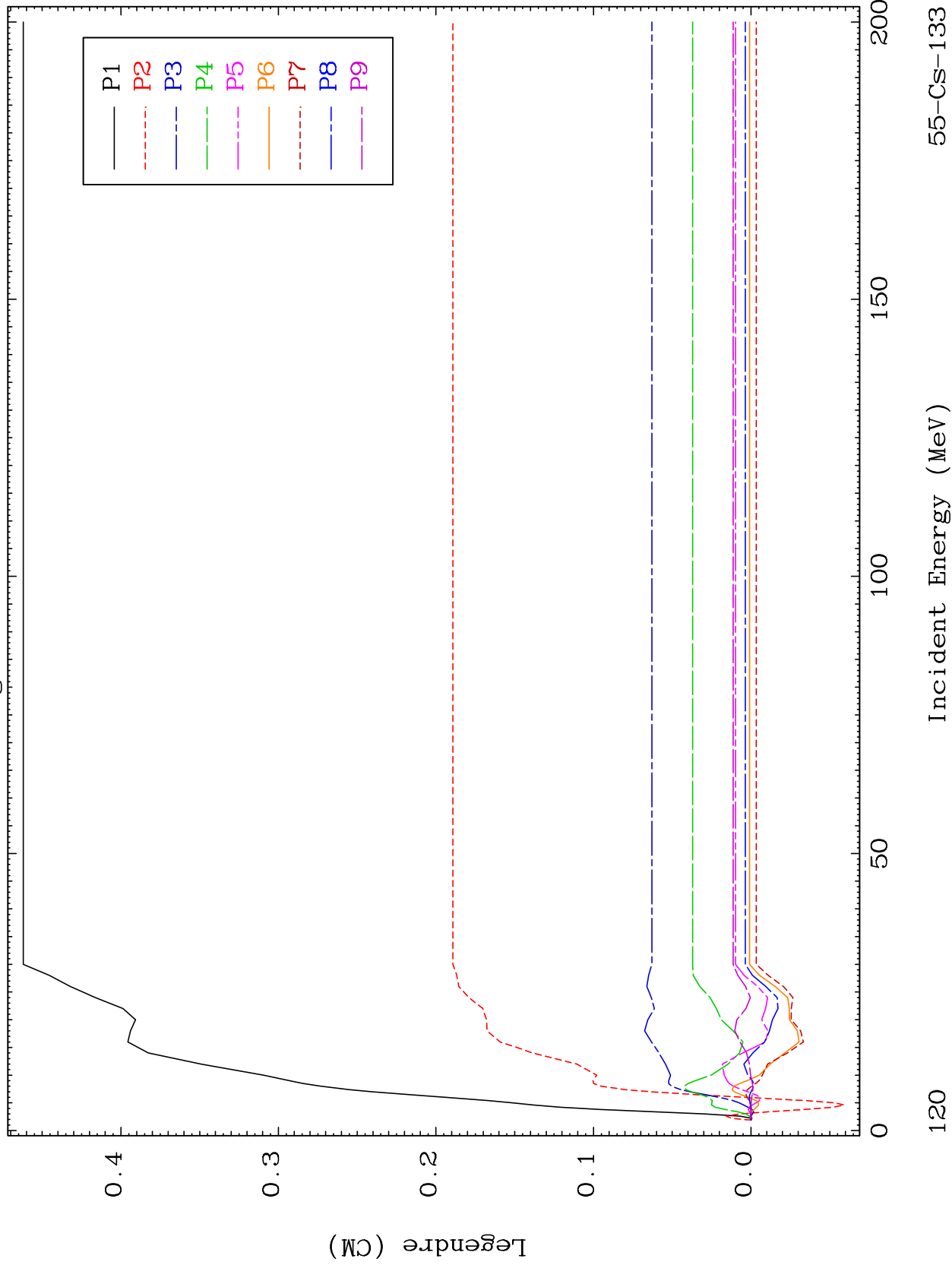
55-Cs-133



MAT 5525

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

55-Cs-133



55-Cs-133

Incident Energy (MeV)

0

50

100

150

200

0.4

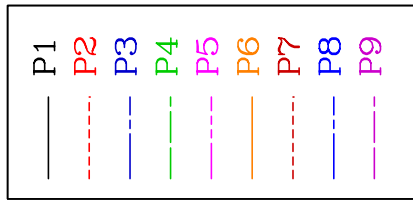
0.3

0.2

0.1

0.0

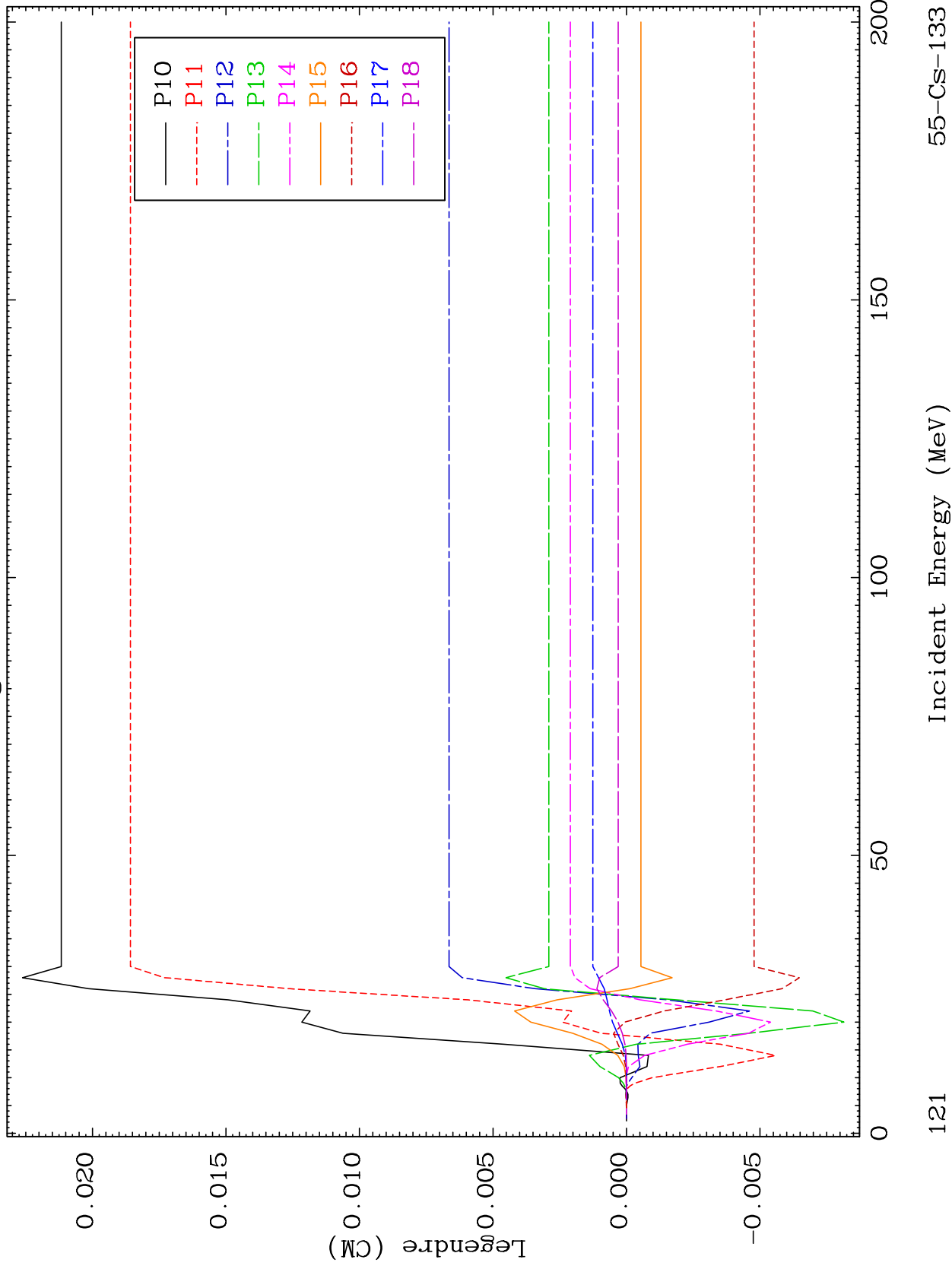
Legendre (CM)



MAT 5525

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

55-Cs-133



121

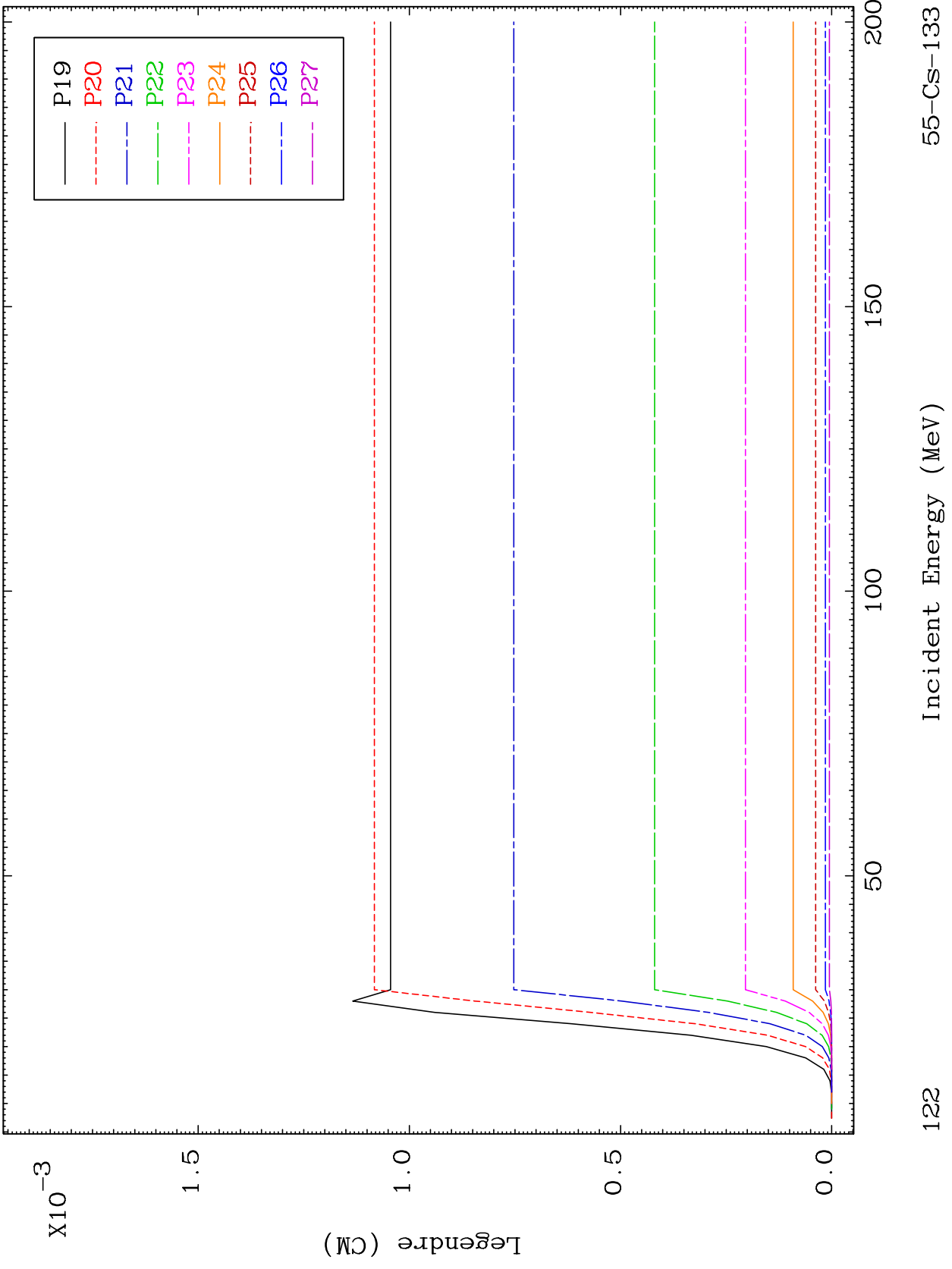
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



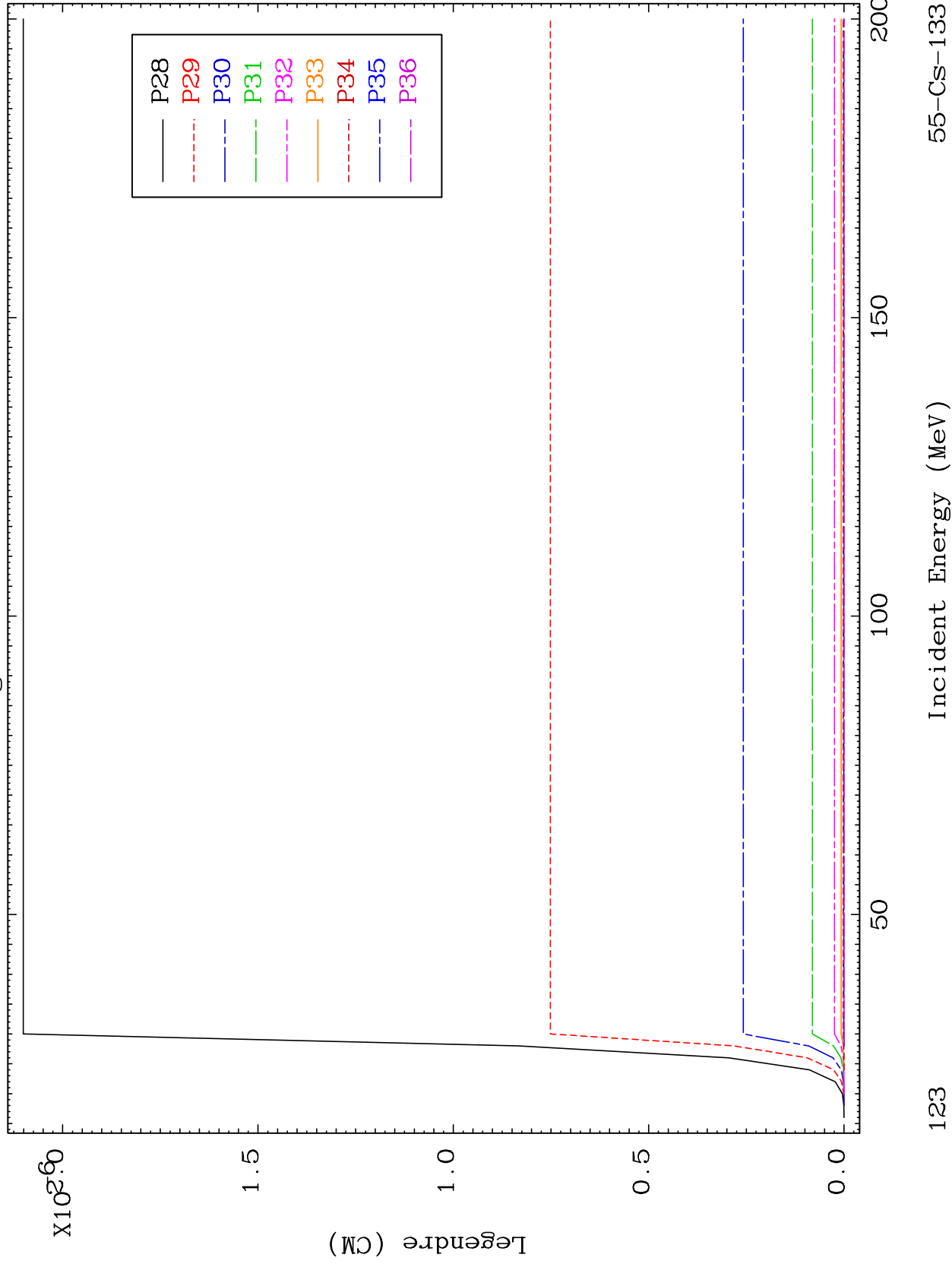
122

55-Cs-133

MAT 5525

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

55-Cs-133



123

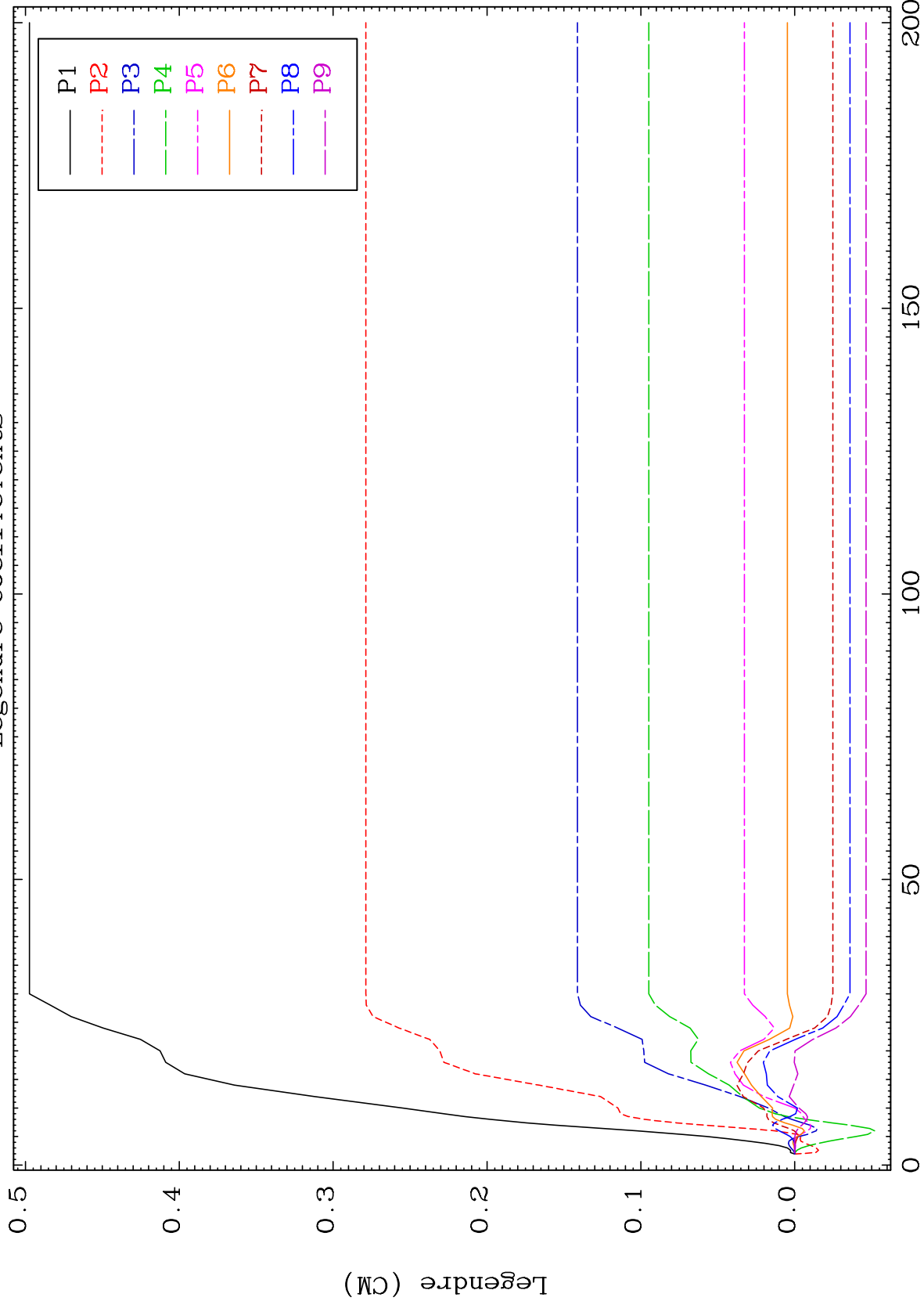
55-Cs-133

MAT 5525

MT= 77 (n,n') Level

55-Cs-133

Legendre Coefficients



55-Cs-133

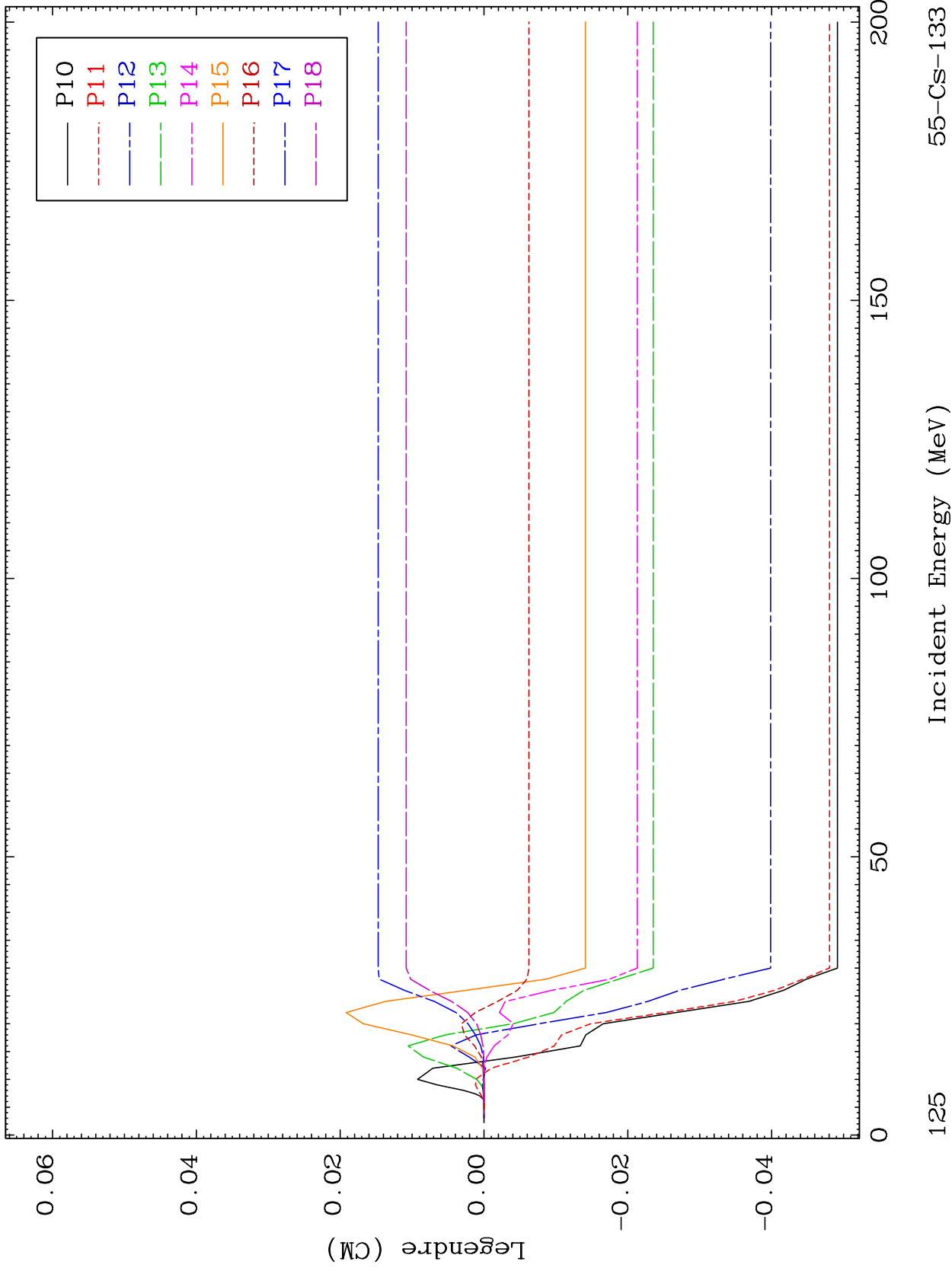
Incident Energy (MeV)

124

MAT 5525

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

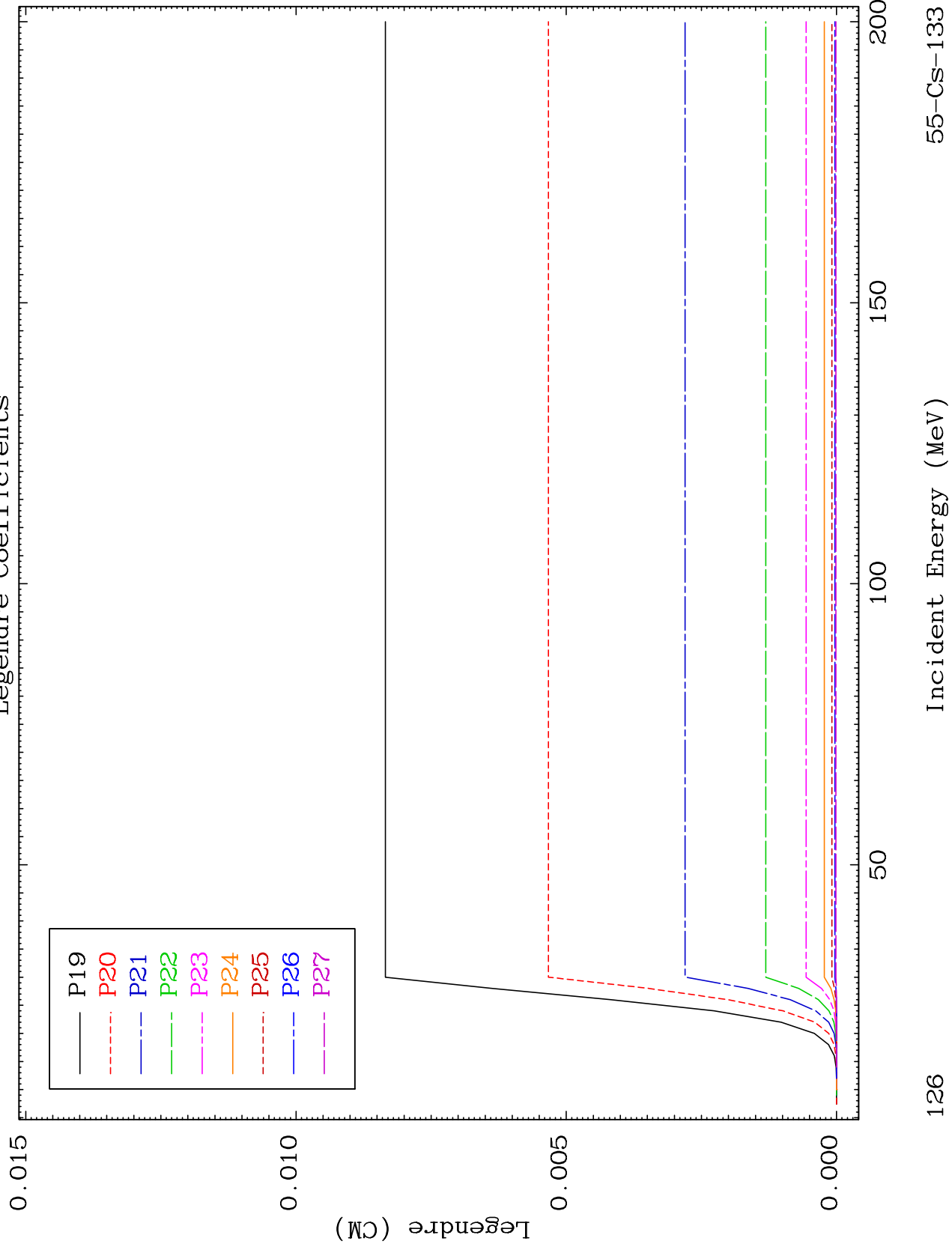
55-Cs-133



MAT 5525

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

55-Cs-133



126

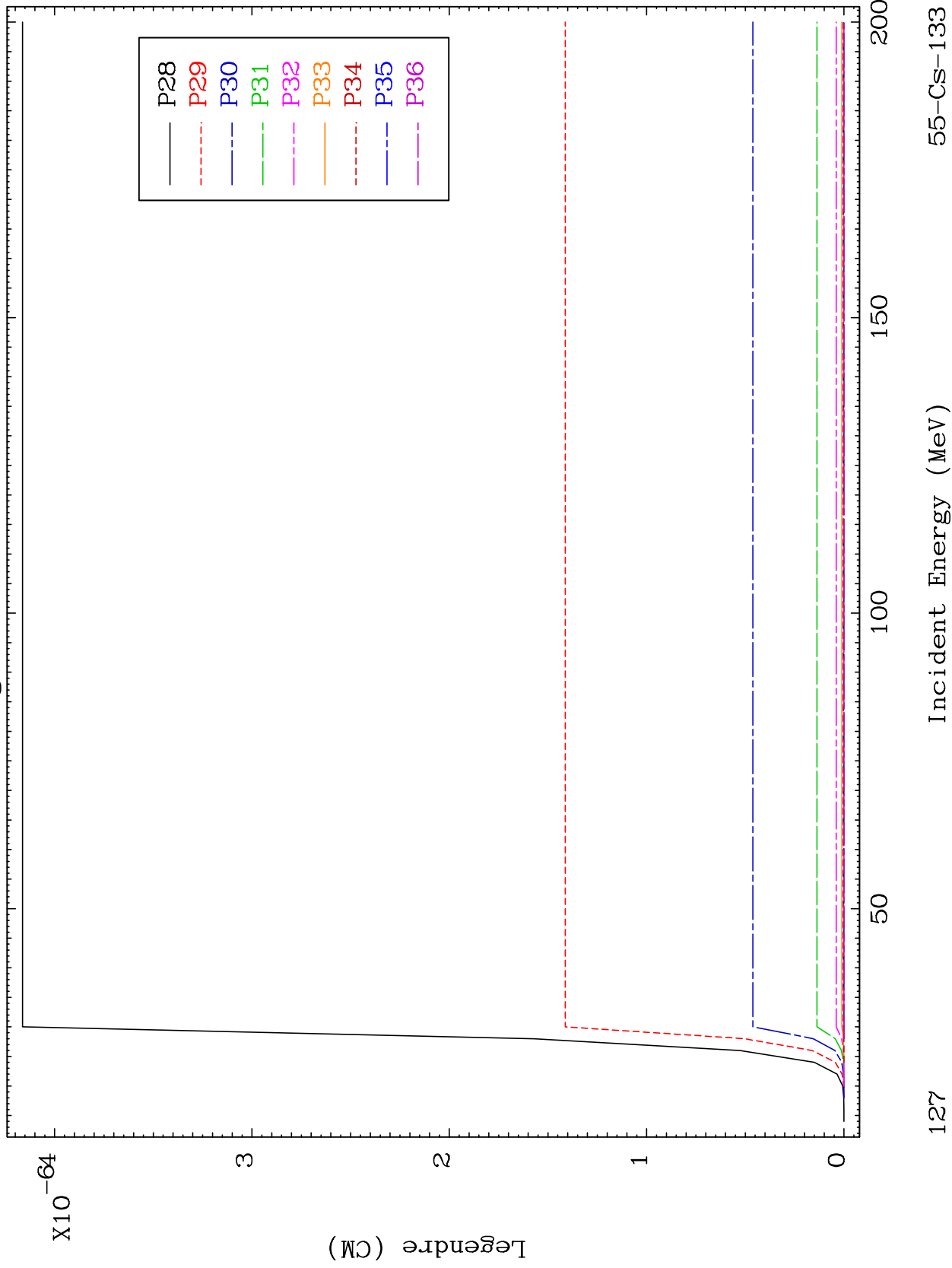
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

55-Cs-133



127

Incident Energy (MeV)

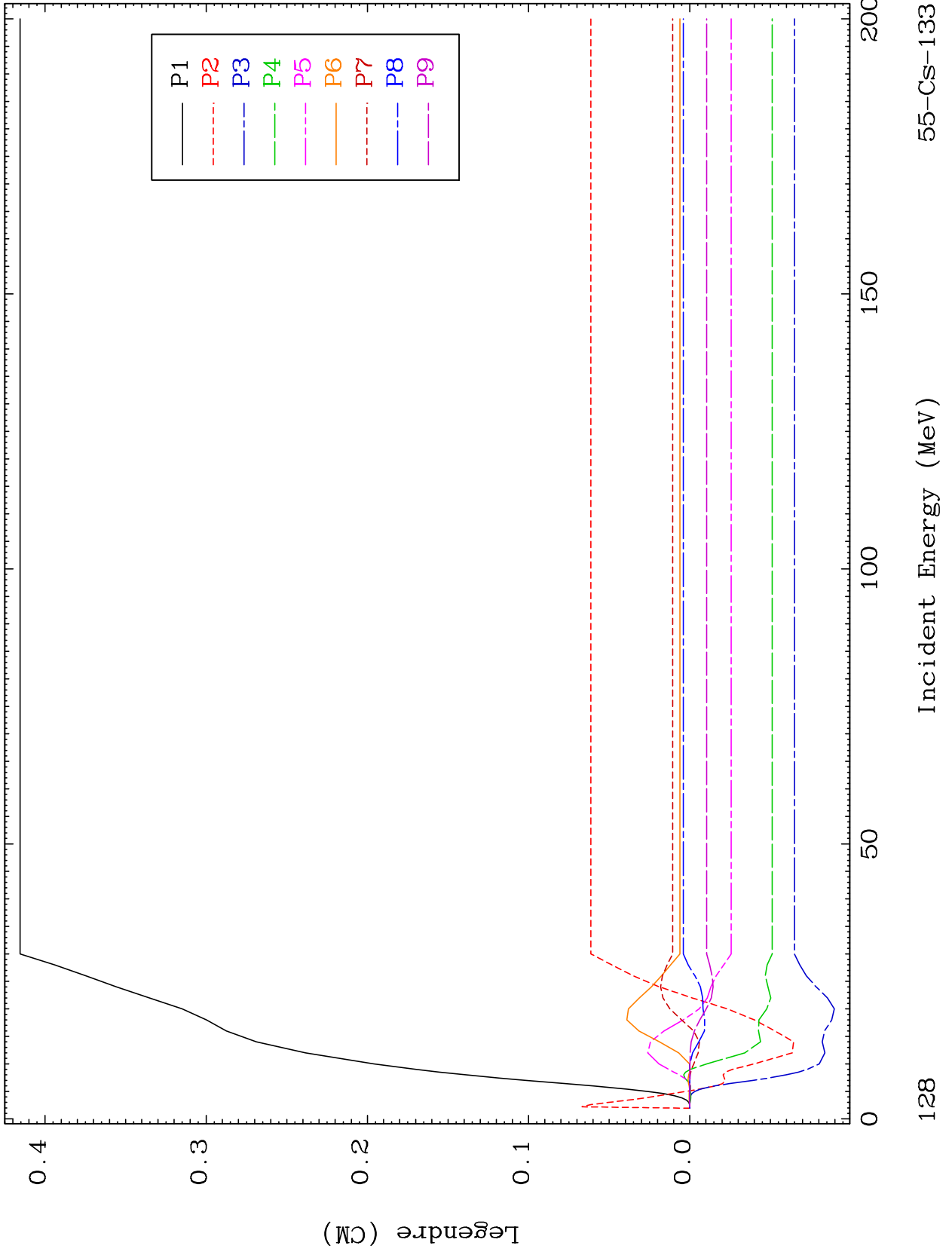
55-Cs-133



MAT 5525

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

55-Cs-133

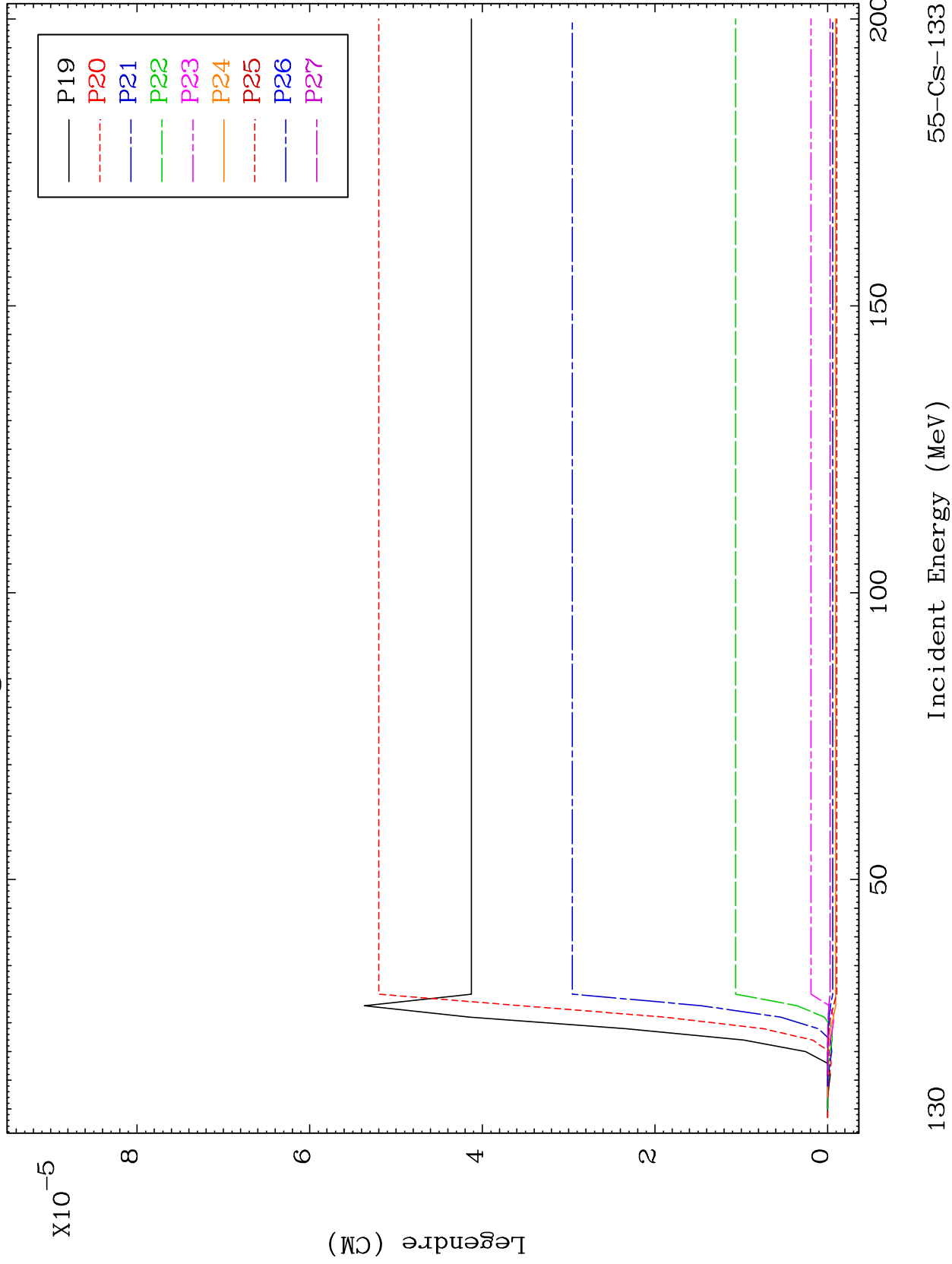




MAT 5525

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

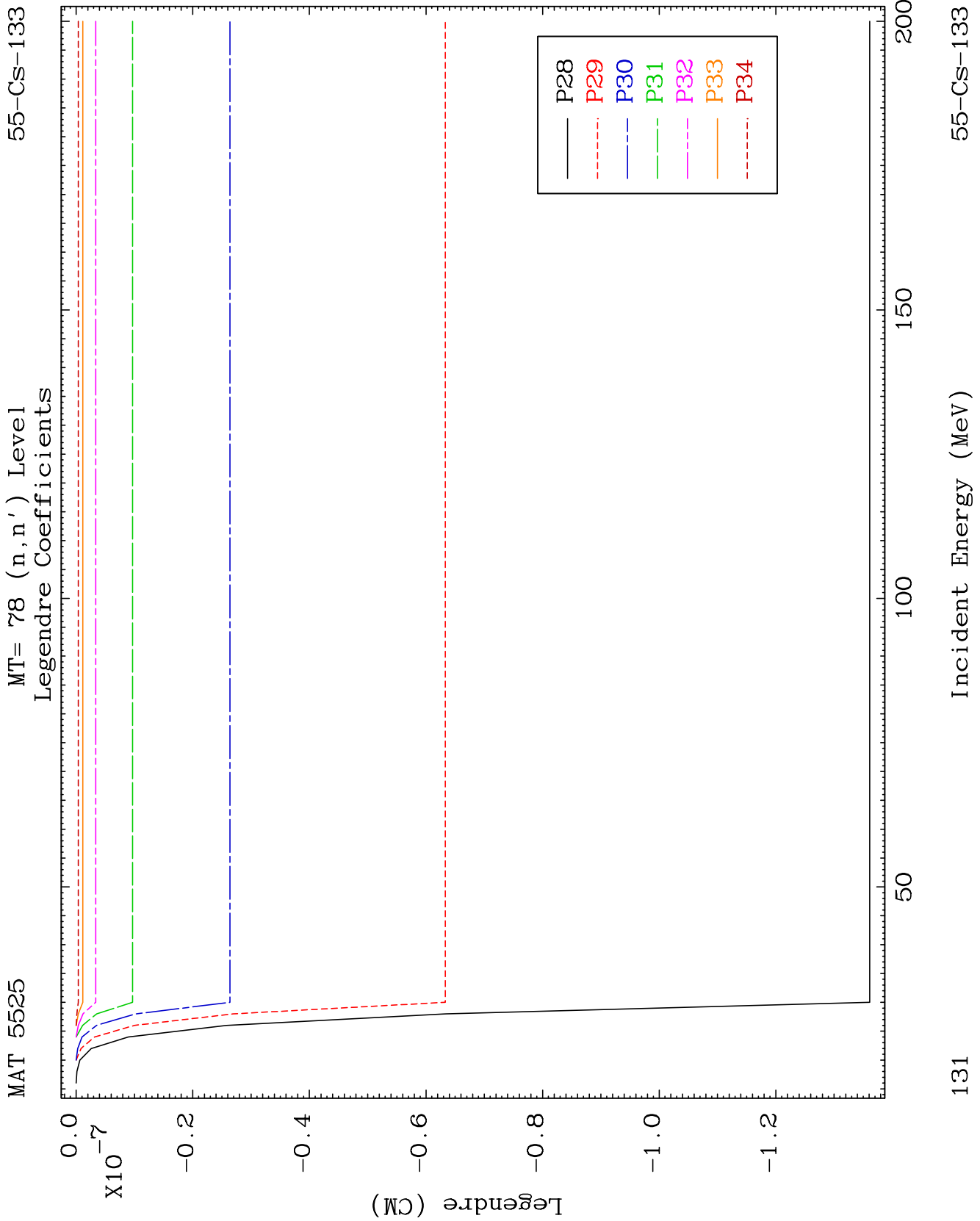
55-Cs-133



55-Cs-133

Incident Energy (MeV)

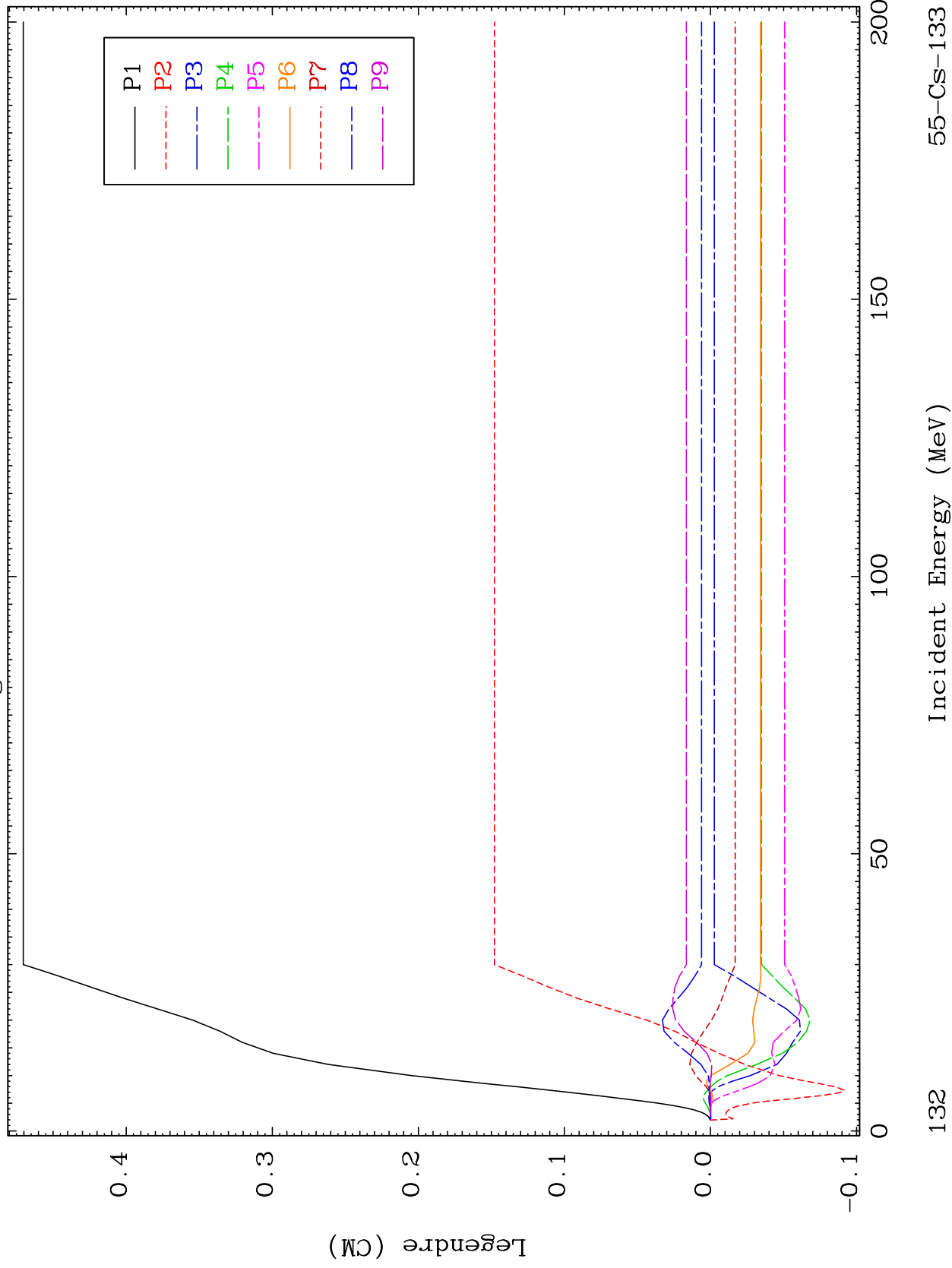
130



MAT 5525

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

55-Cs-133



55-Cs-133

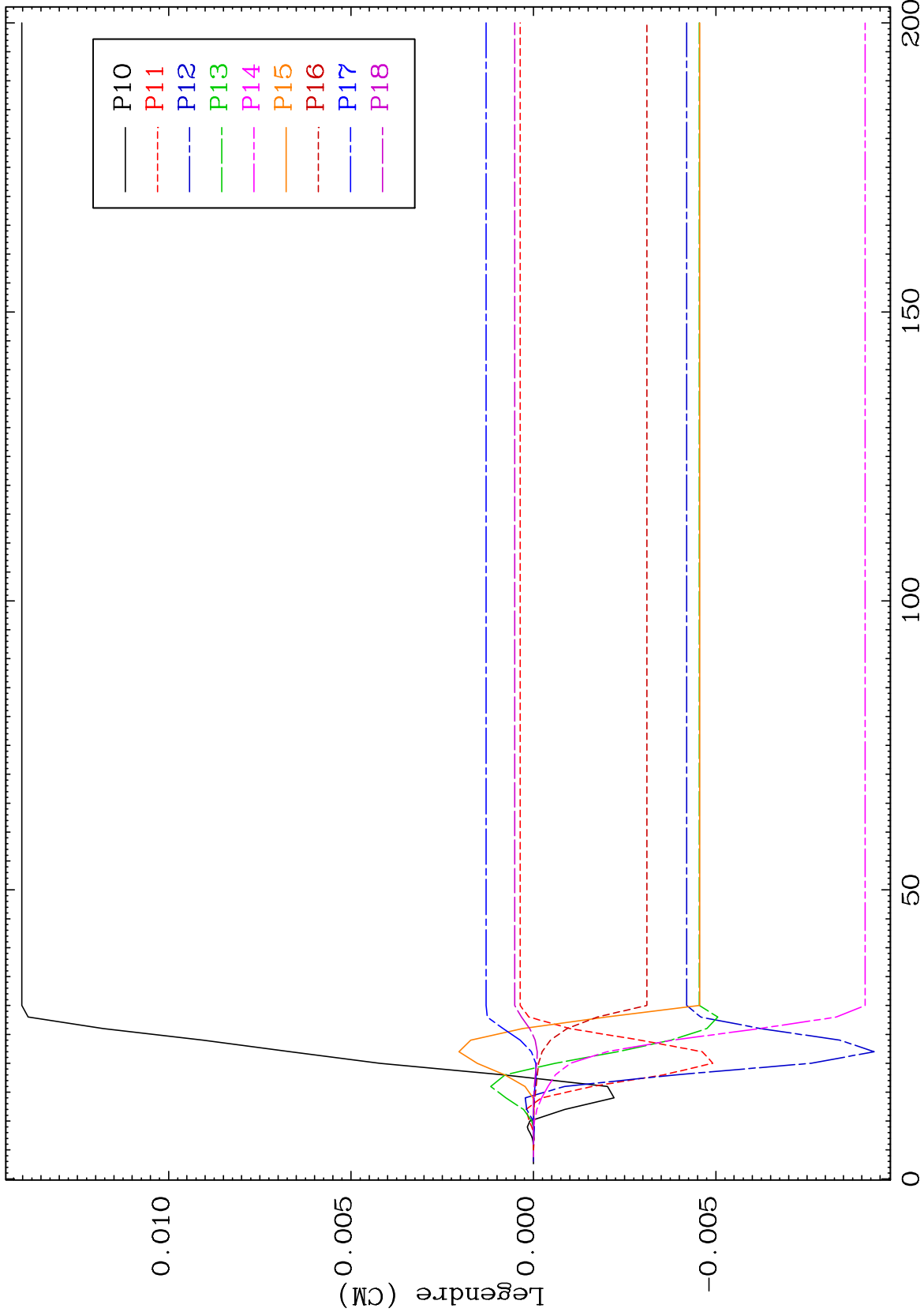
Incident Energy (MeV)

132

MAT 5525

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

55-Cs-133



133

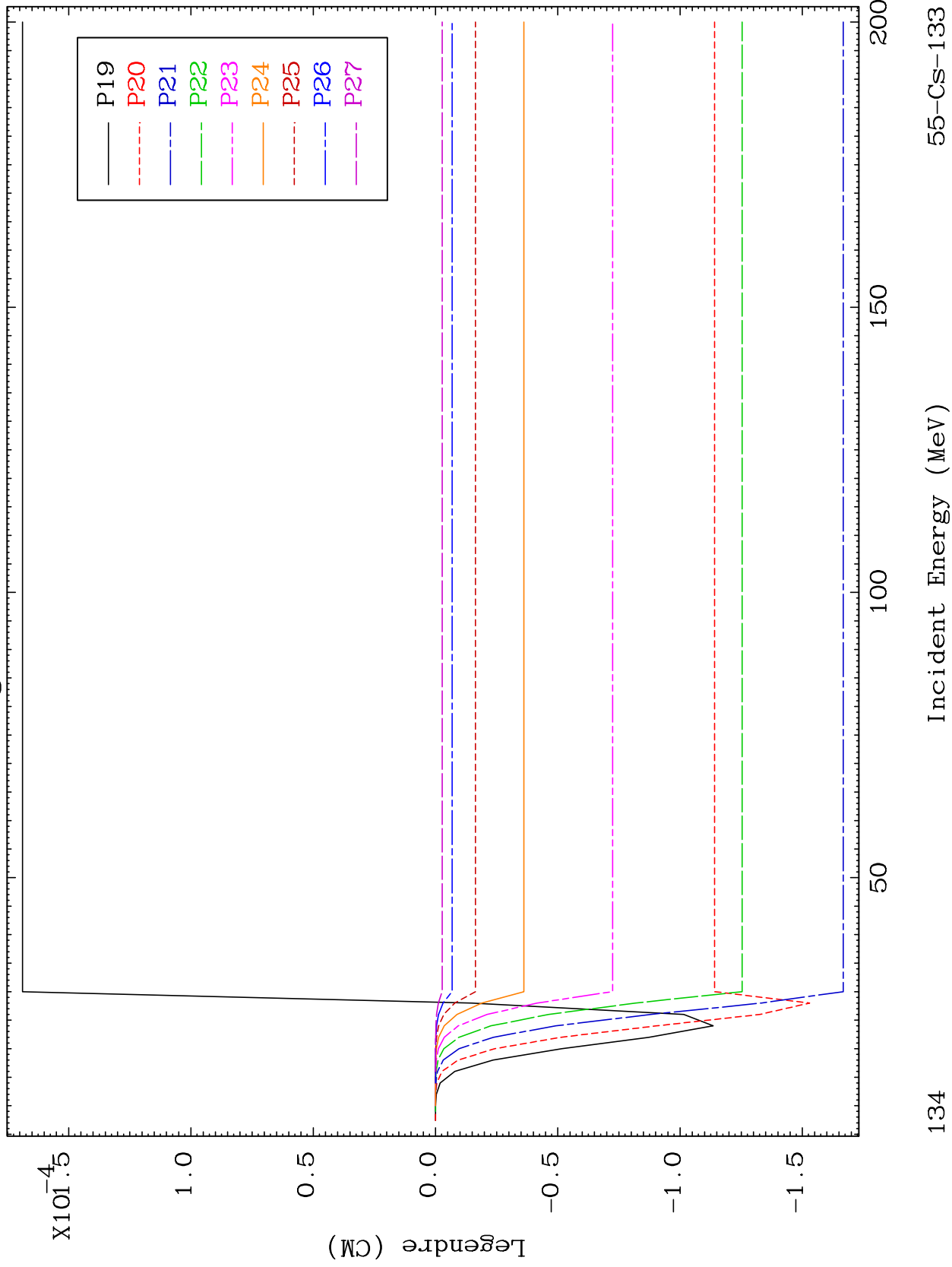
Incident Energy (MeV)

55-Cs-133

MAT 5525

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

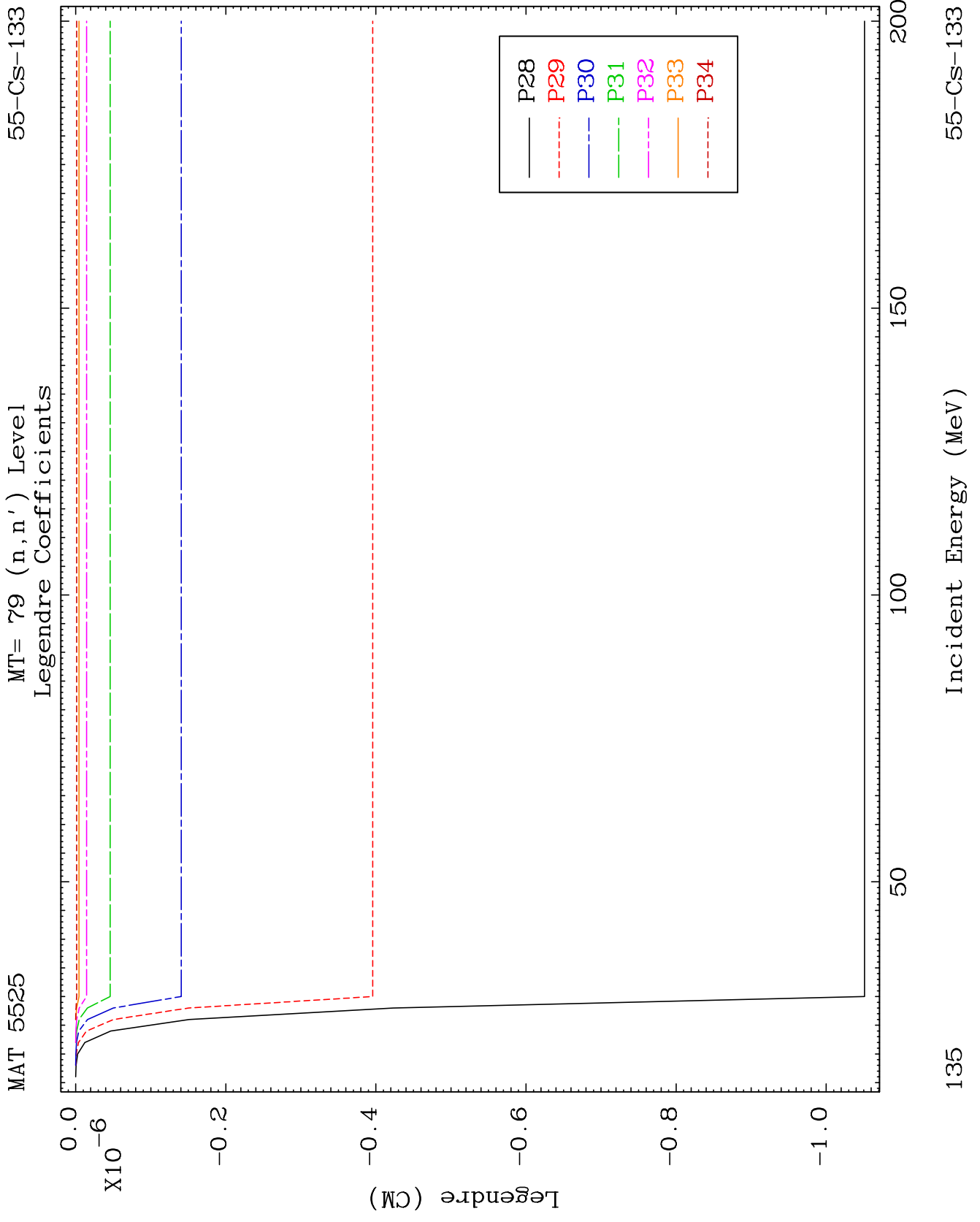
55-Cs-133



134

Incident Energy (MeV)

55-Cs-133

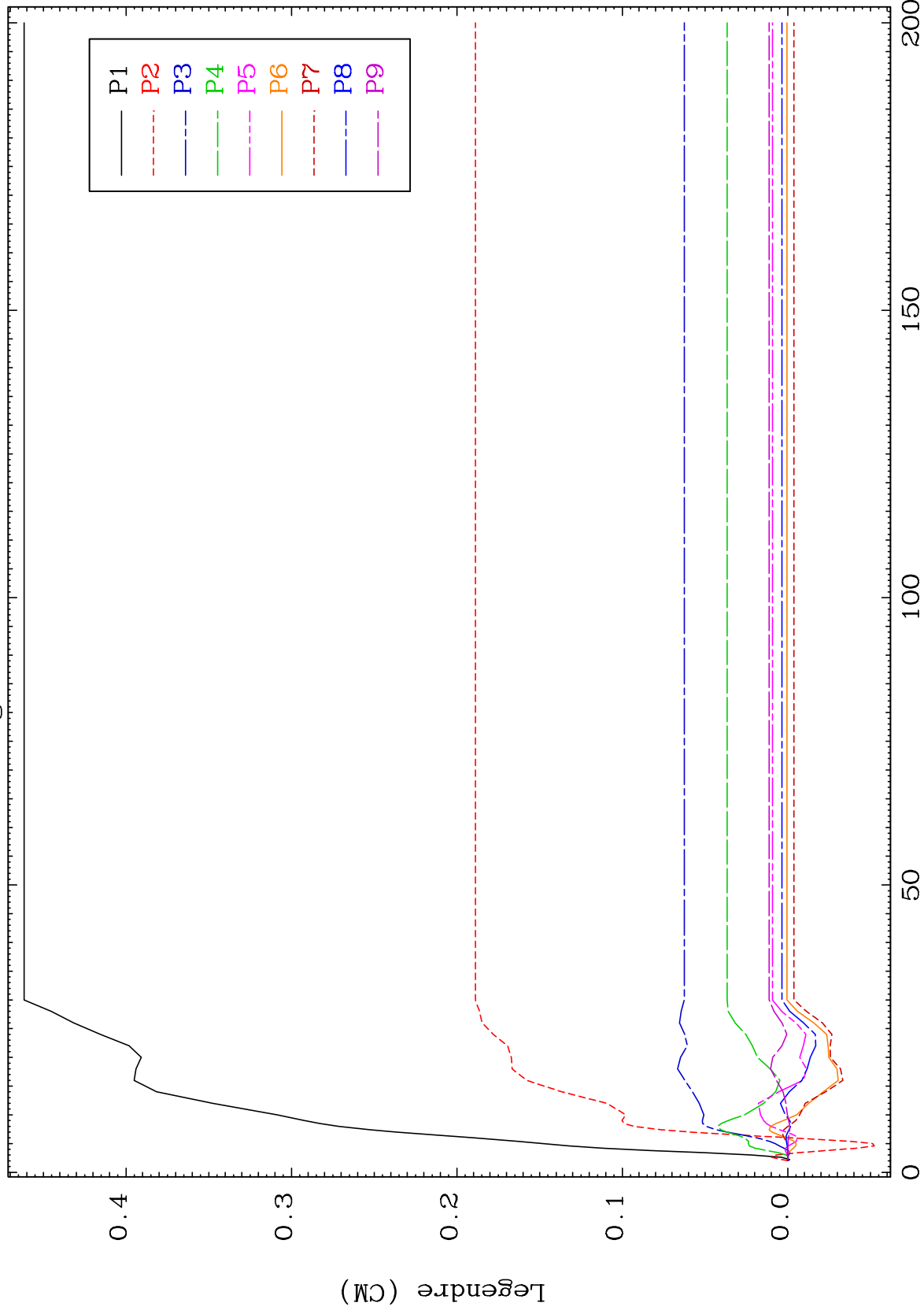




MAT 5525

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

55-Cs-133



55-Cs-133

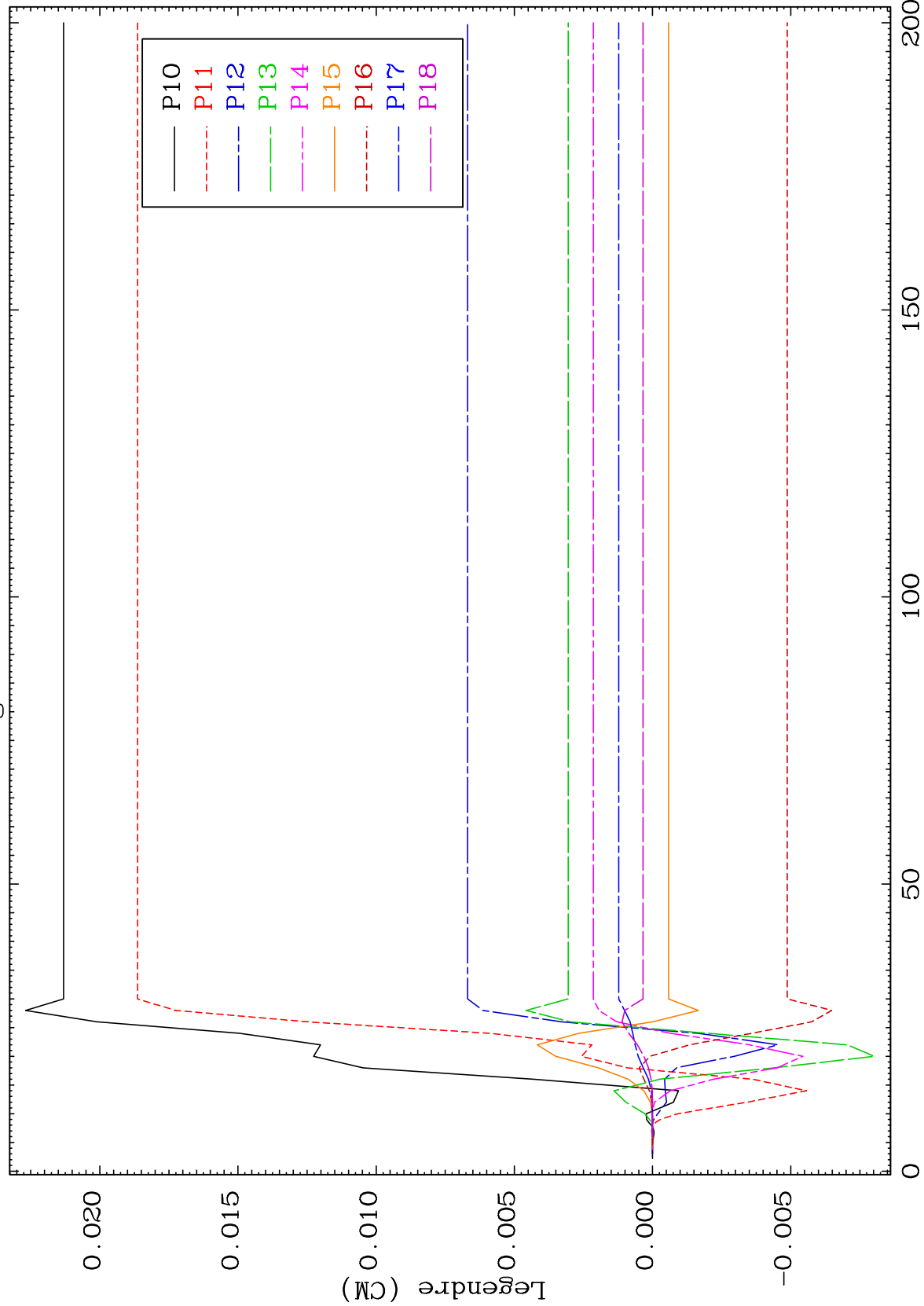
Incident Energy (MeV)

136

MAT 5525

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

55-Cs-133



55-Cs-133

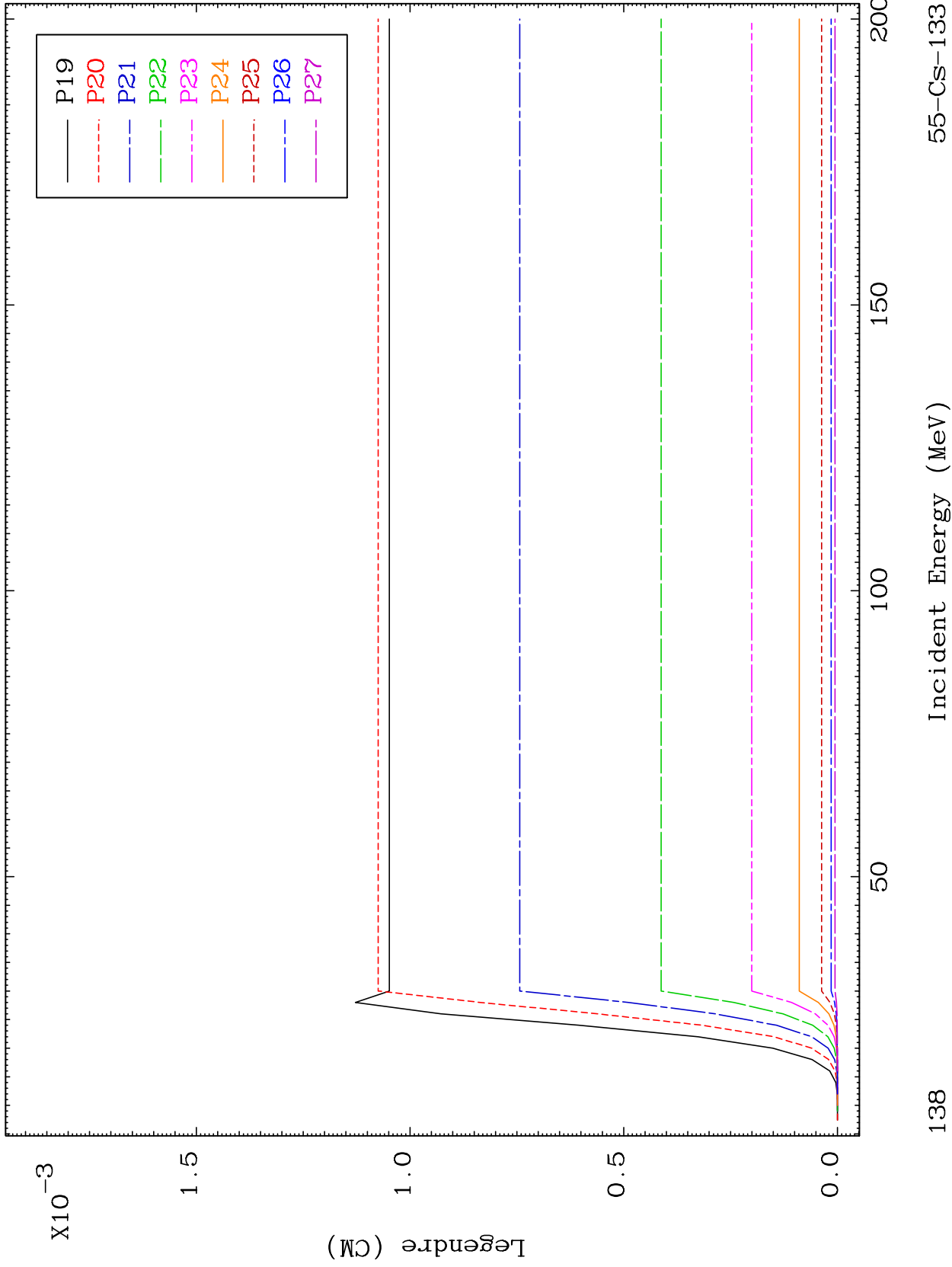
Incident Energy (MeV)

137

MAT 5525

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

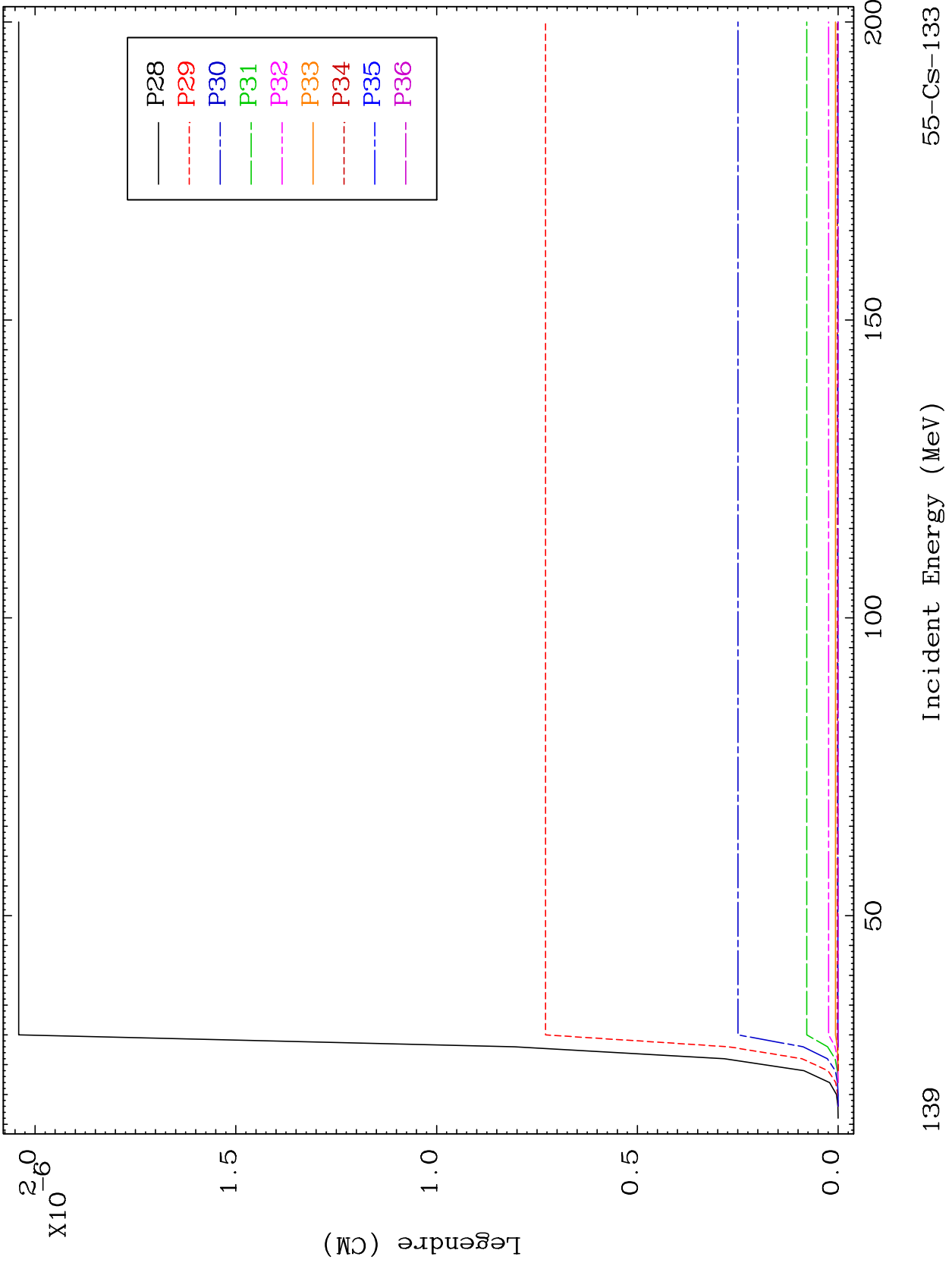
55-Cs-133

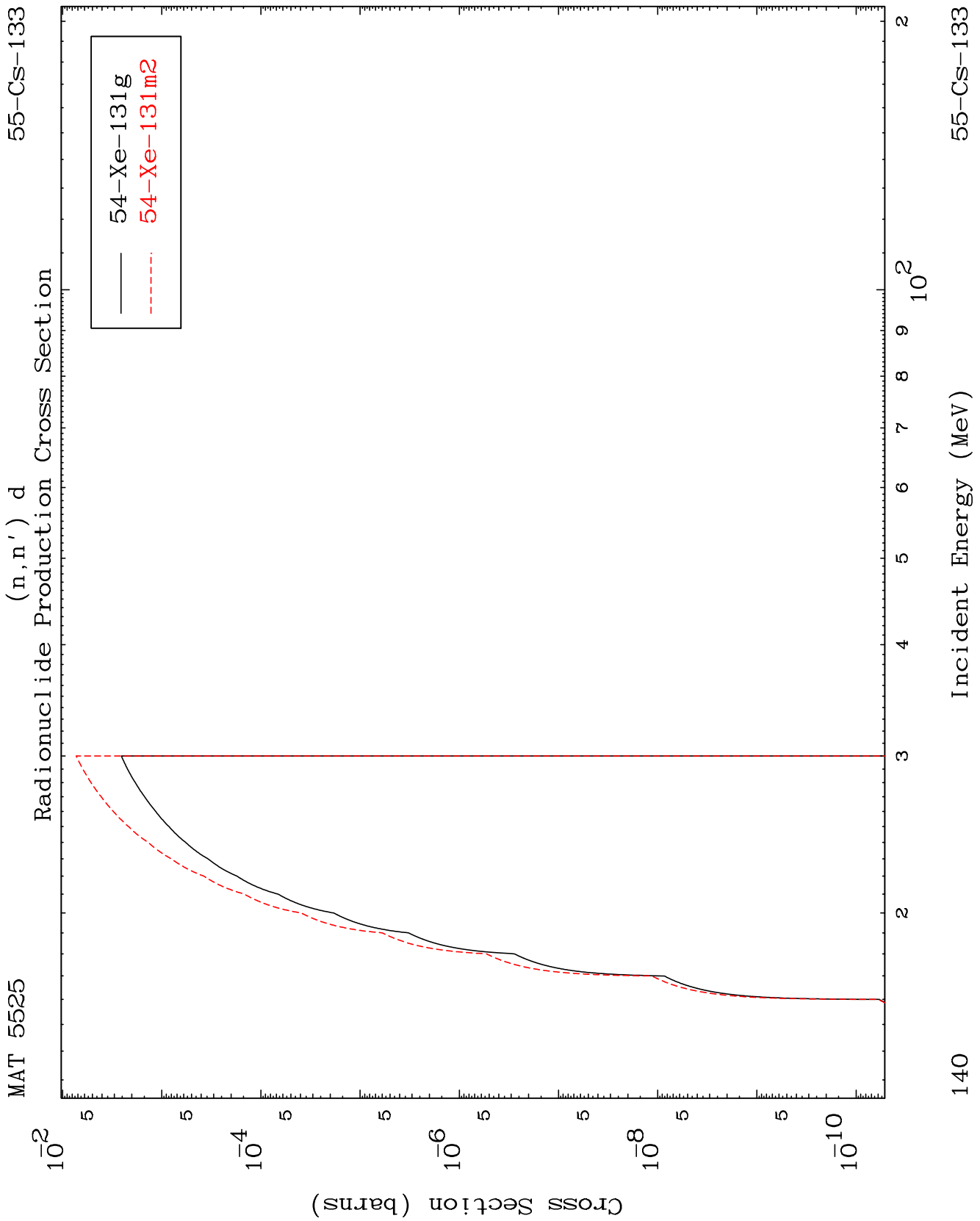


MAT 5525

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

55-Cs-133



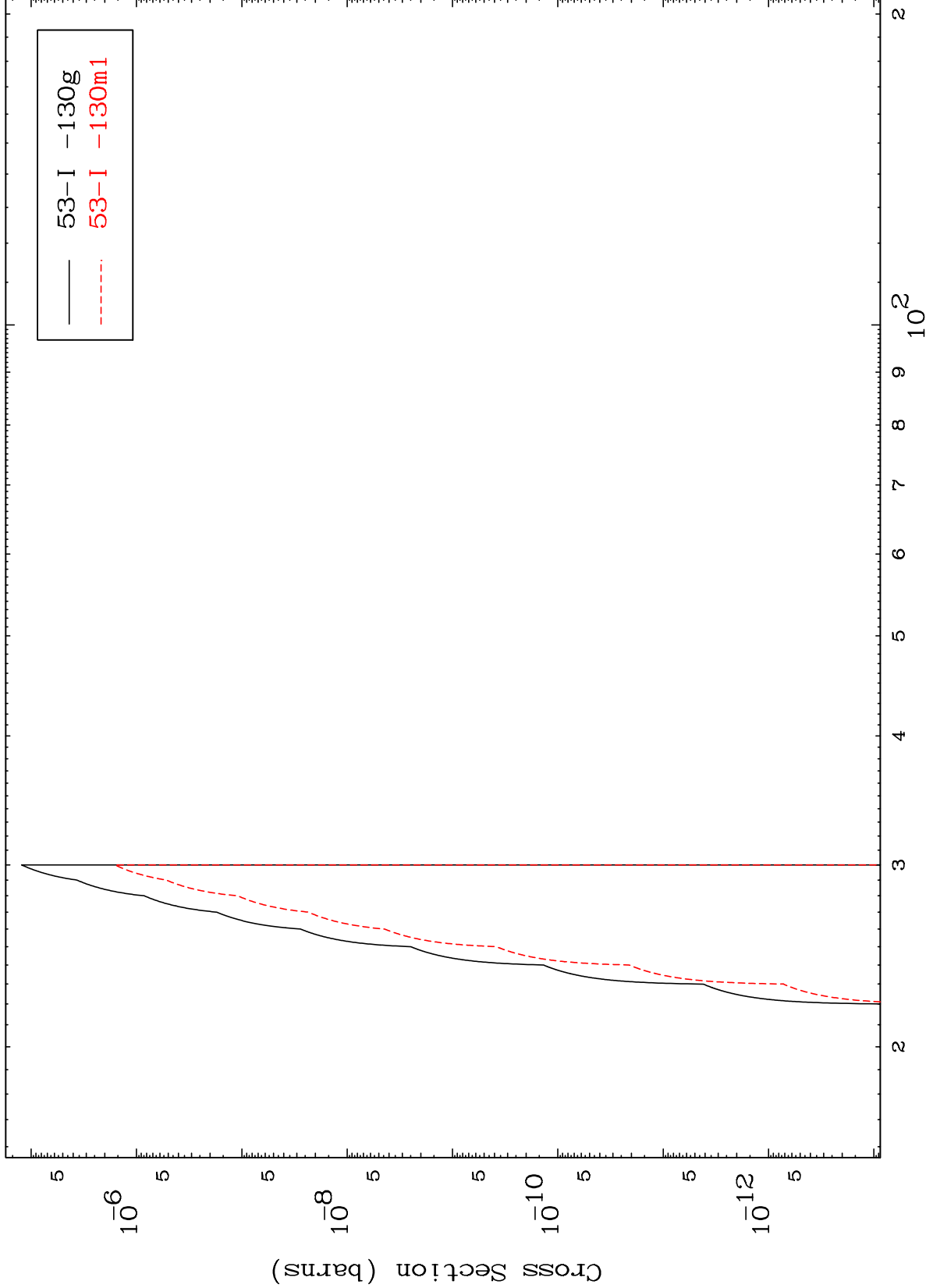


MAT 5525

(n,n') He-3

55-Cs-133

Radionuclide Production Cross Section



141

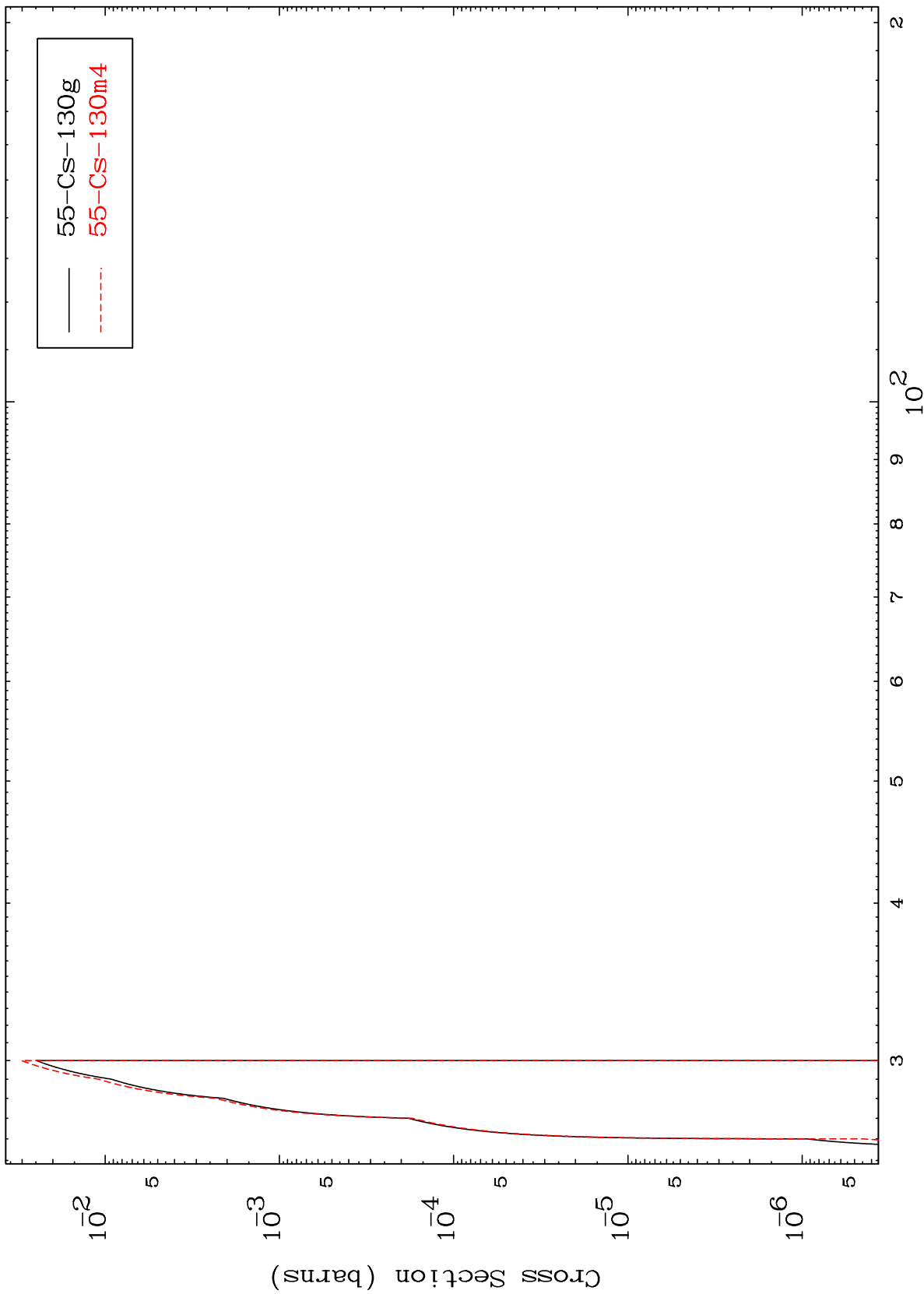
Incident Energy (MeV)

55-Cs-133

MAT 5525

55-Cs-133

(n,4n)  
Radionuclide Production Cross Section



142

55-Cs-133

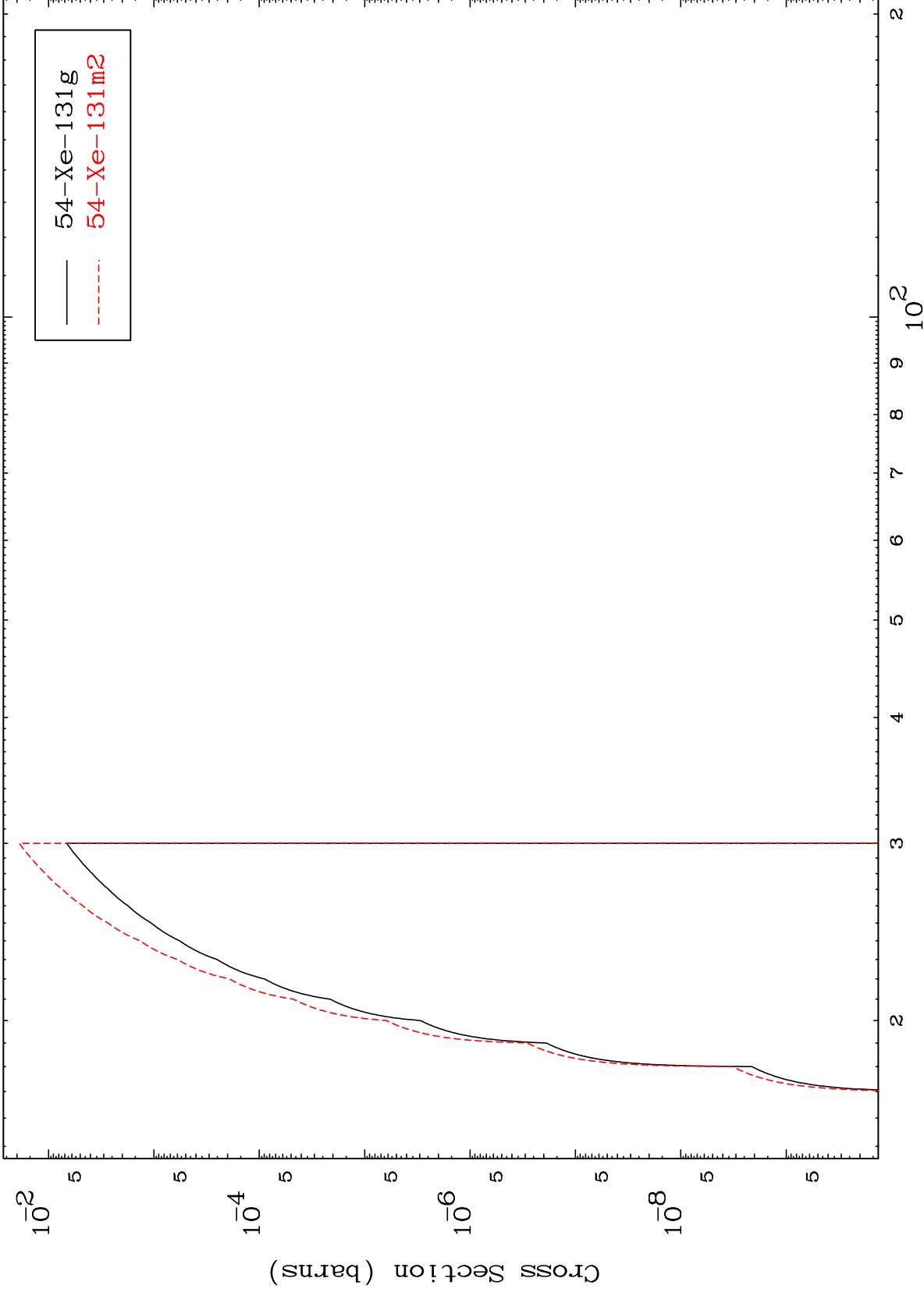
Incident Energy (MeV)

MAT 5525

(n,2n) p

55-Cs-133

Radionuclide Production Cross Section



54-Xe-131g  
54-Xe-131m2

143

Incident Energy (MeV)

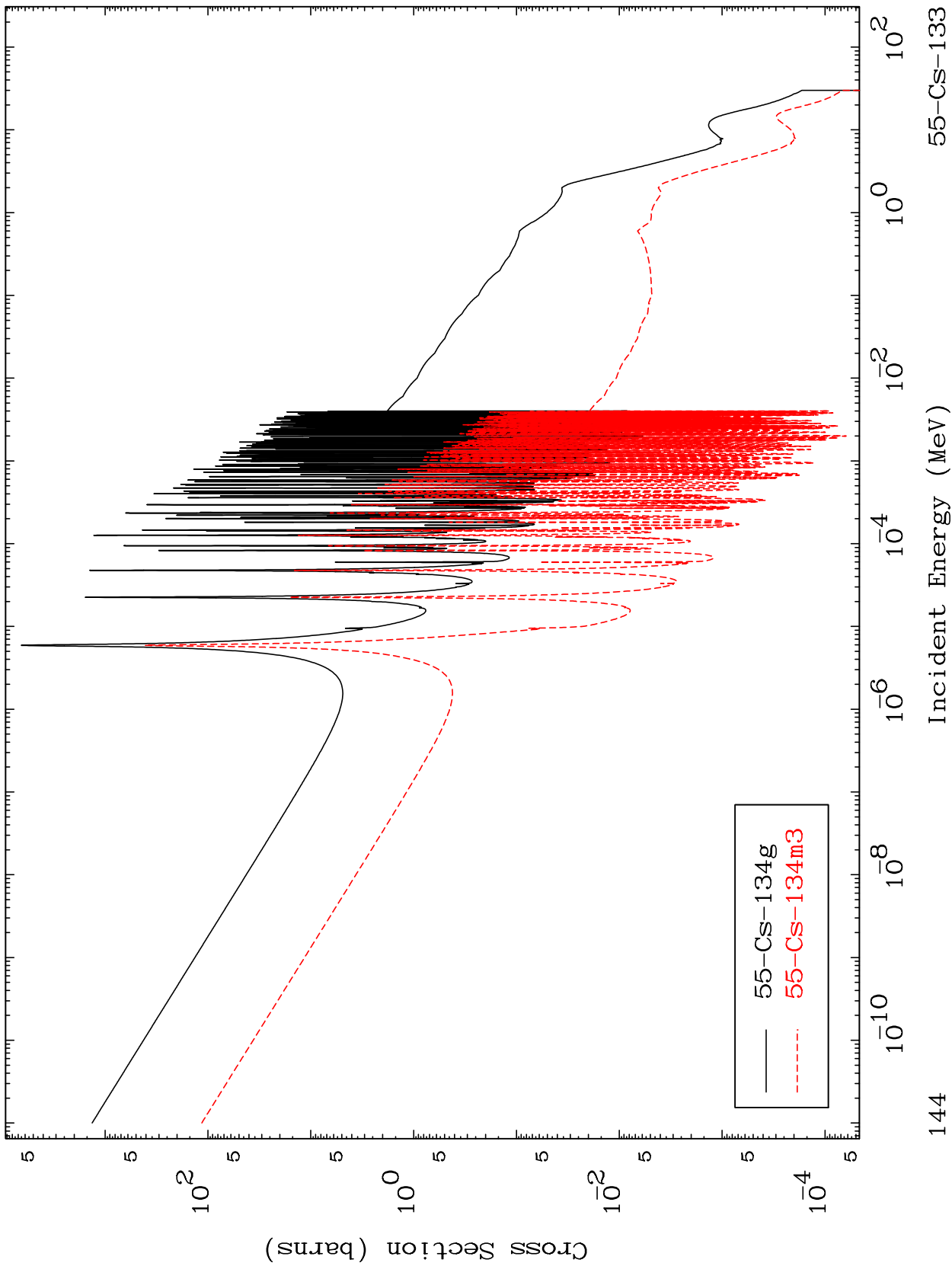
55-Cs-133



MAT 5525

55-Cs-133

$(n, \gamma)$   
Radionuclide Production Cross Section



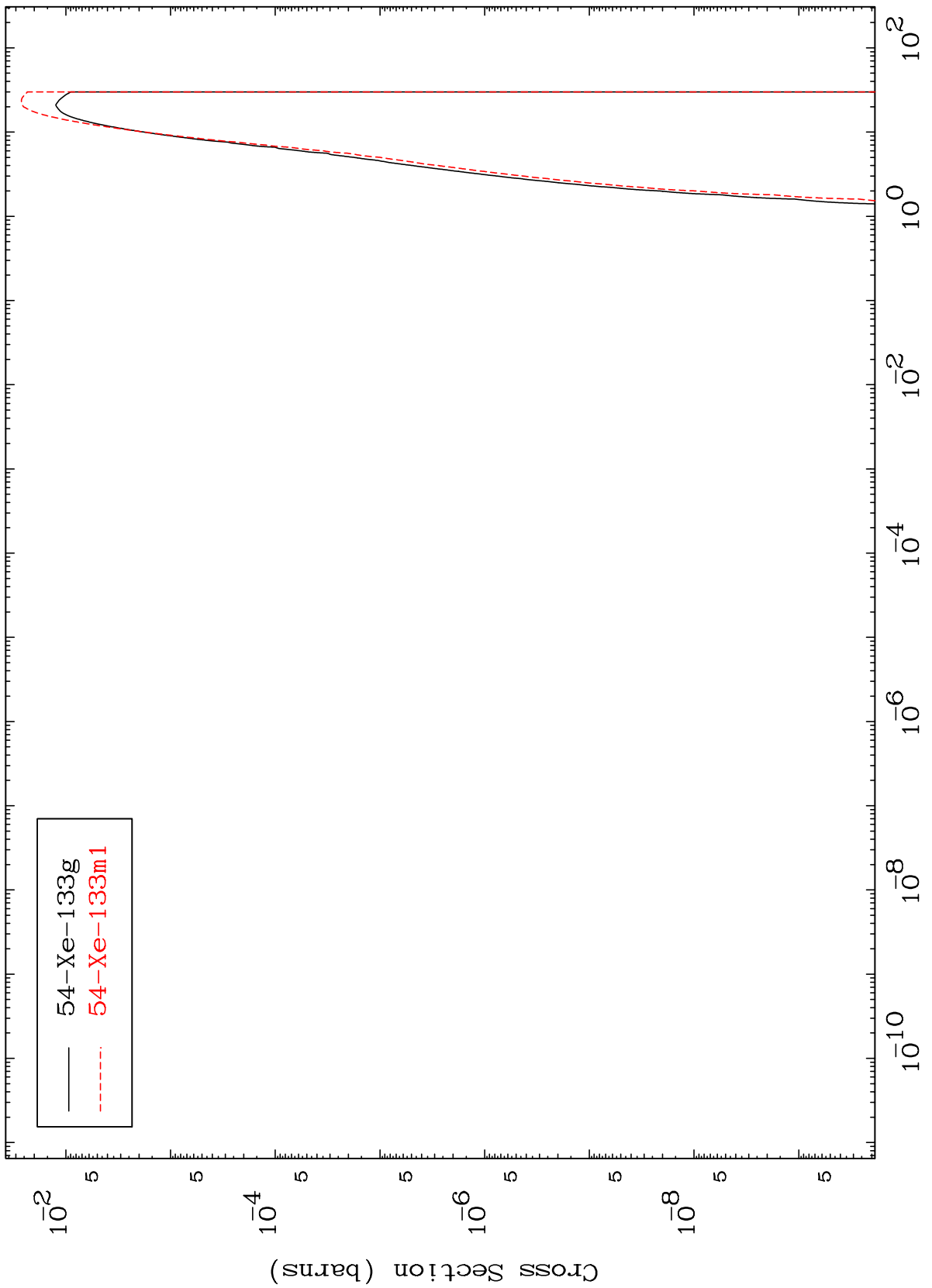
144

55-Cs-133

MAT 5525

55-Cs-133

(n,p)  
Radionuclide Production Cross Section



55-Cs-133

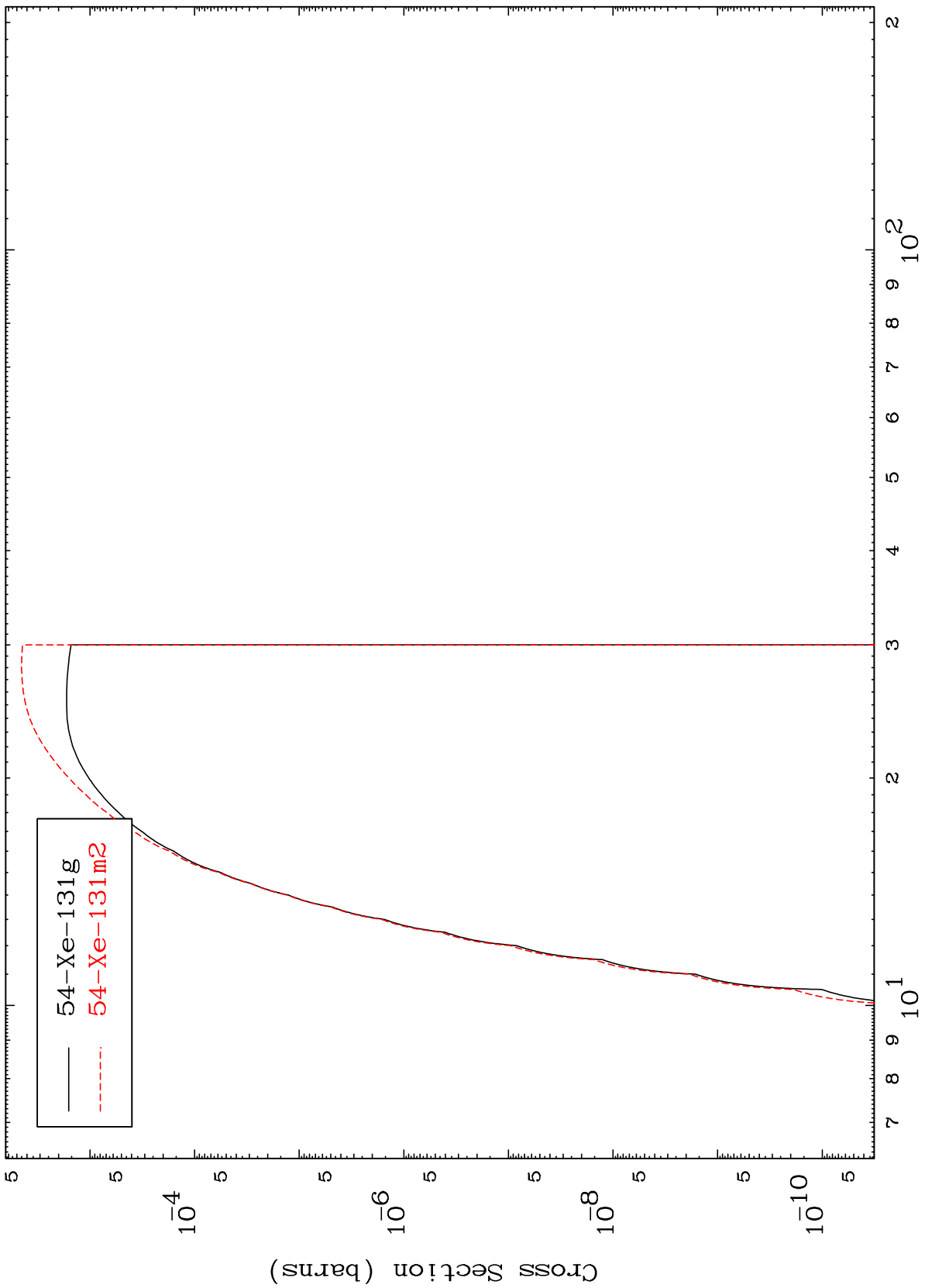
Incident Energy (MeV)

145

MAT 5525

55-Cs-133

(n,t)  
Radionuclide Production Cross Section



146

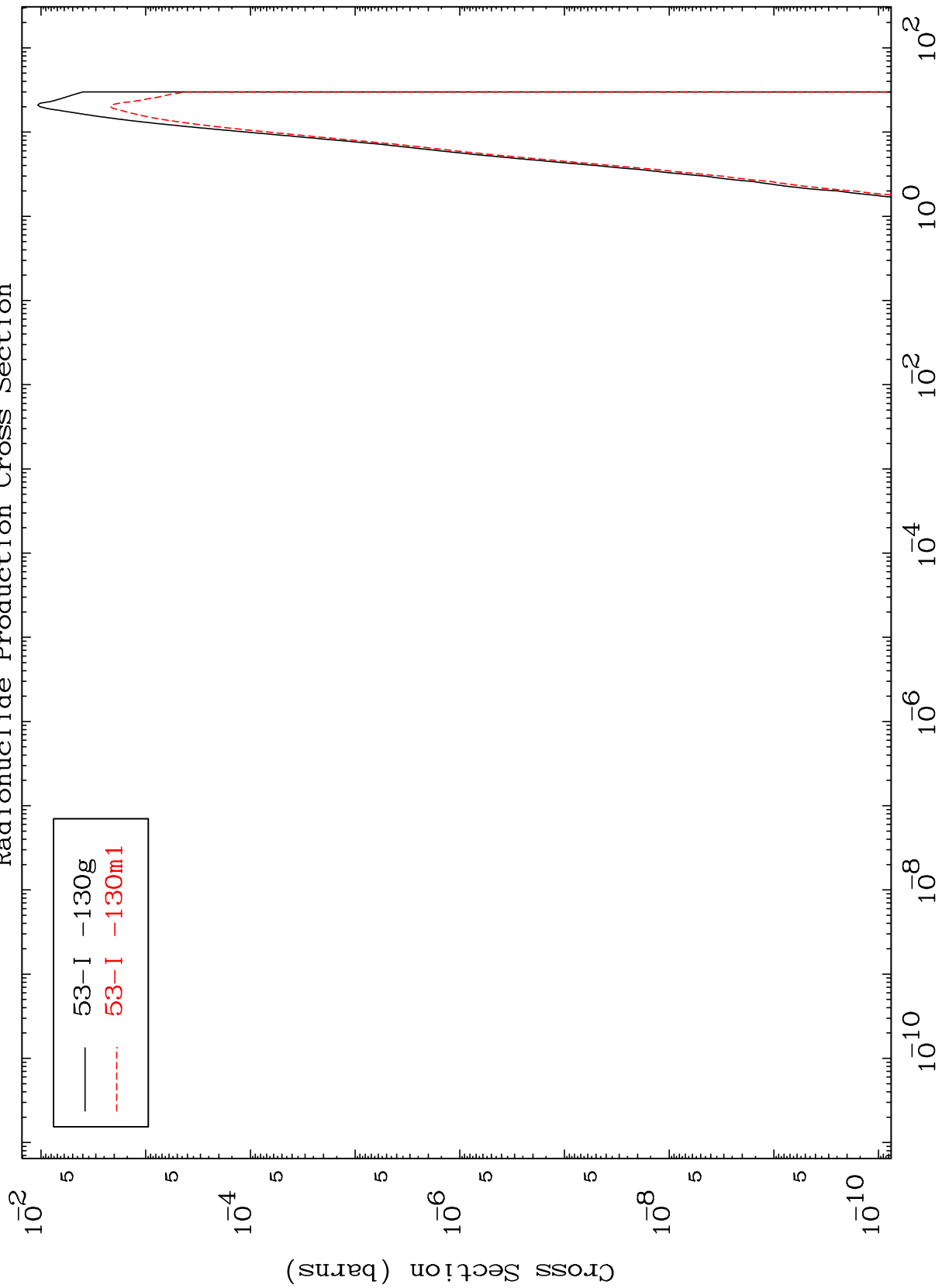
Incident Energy (MeV)

55-Cs-133

MAT 5525

55-Cs-133

(n,  $\alpha$ )  
Radionuclide Production Cross Section



53-I -130g  
53-I -130m1

55-Cs-133

Incident Energy (MeV)

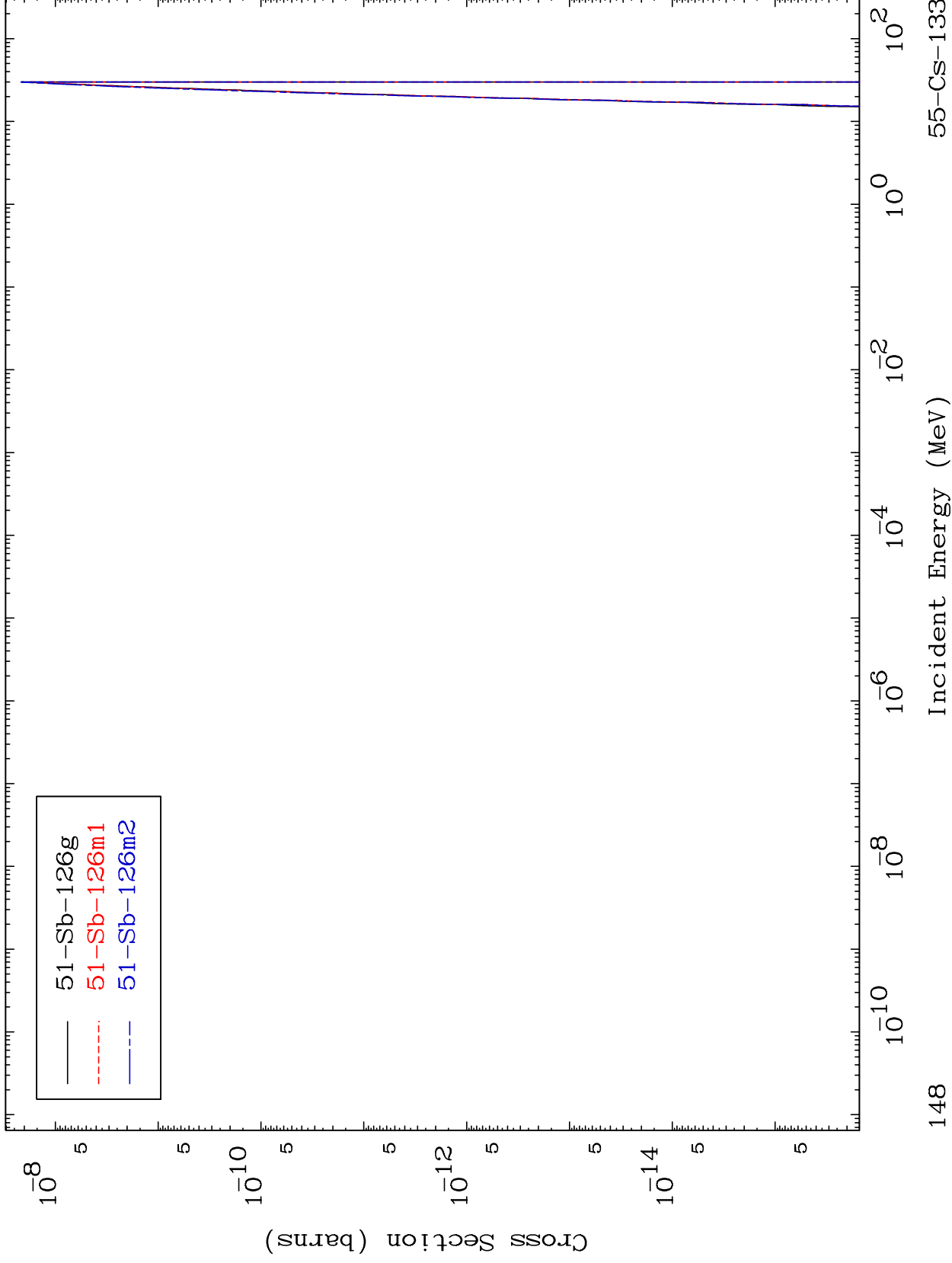
147

MAT 5525

(n,2α)

55-Cs-133

Radionuclide Production Cross Section

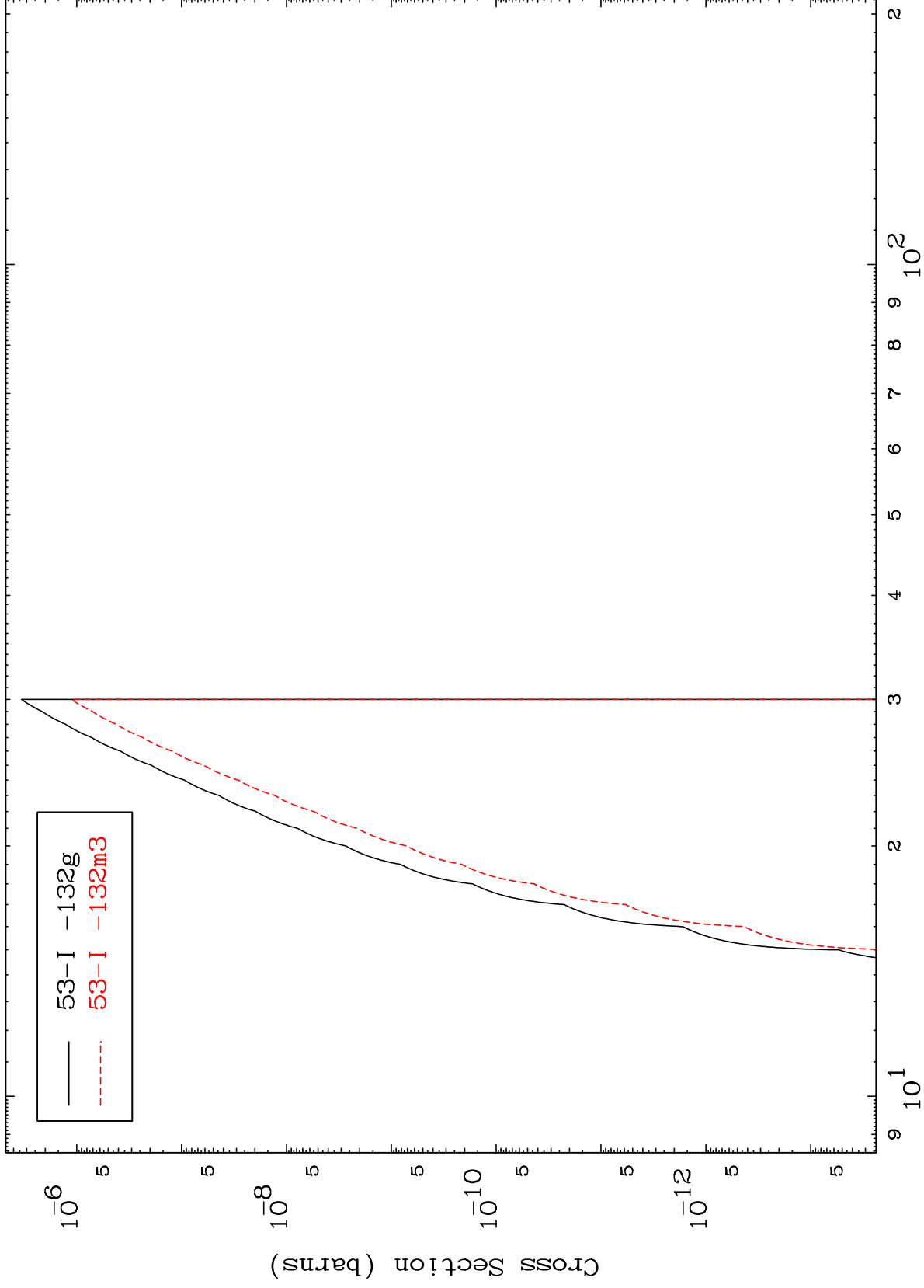


MAT 5525

(n,2p)

55-Cs-133

Radionuclide Production Cross Section



53-I -132g  
53-I -132m3

149

Incident Energy (MeV)

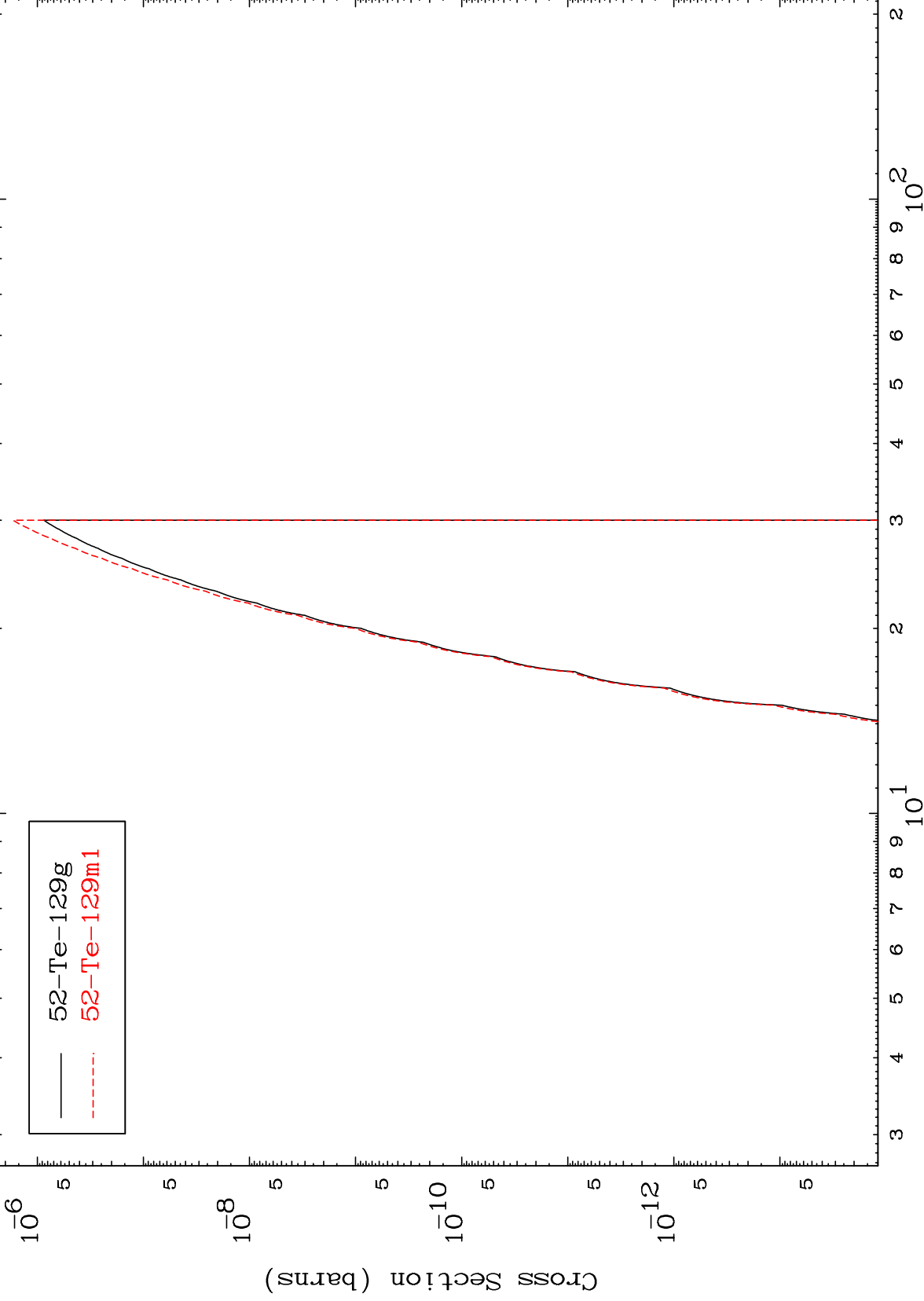
55-Cs-133

MAT 5525

(n,p)  $\alpha$

55-Cs-133

Radionuclide Production Cross Section



150

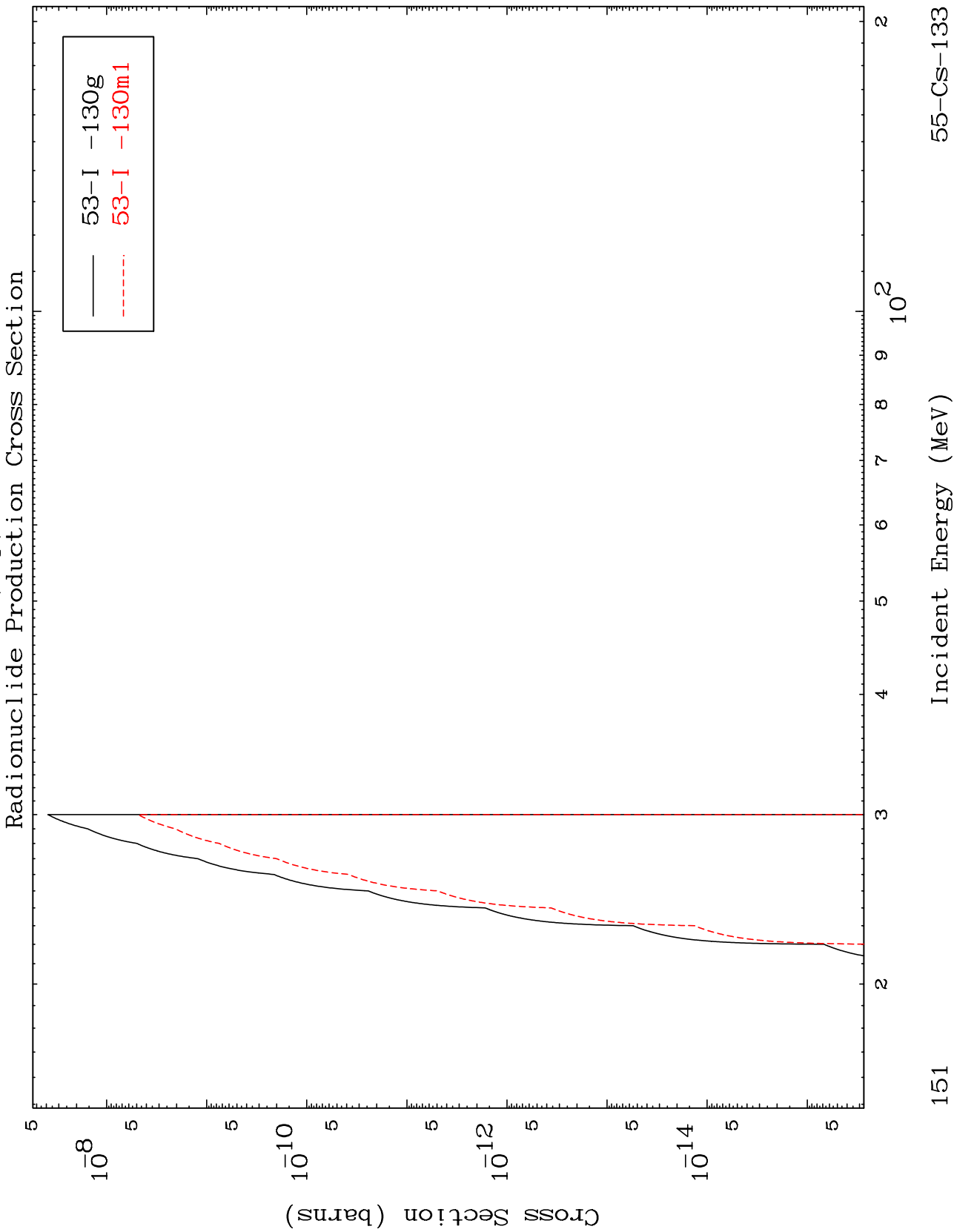
Incident Energy (MeV)

55-Cs-133

MAT 5525

(n,p) t

55-Cs-133



151

Incident Energy (MeV)

55-Cs-133