

Program EVALPLOT  
(Version 2021-1)

by

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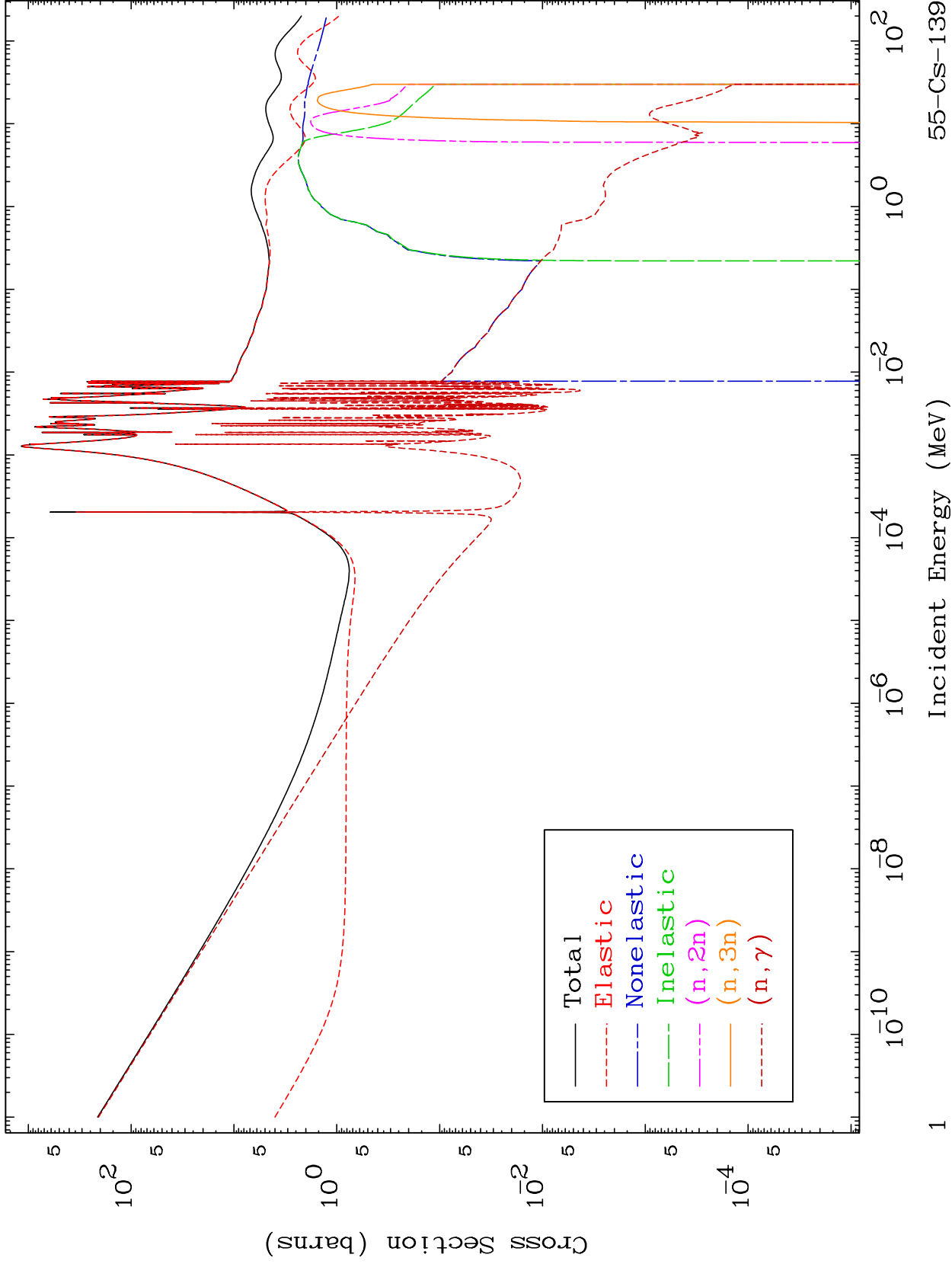
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Press Mouse Button to Start

MAT 5543

Neutron Major  
293 Kelvin Cross Sections

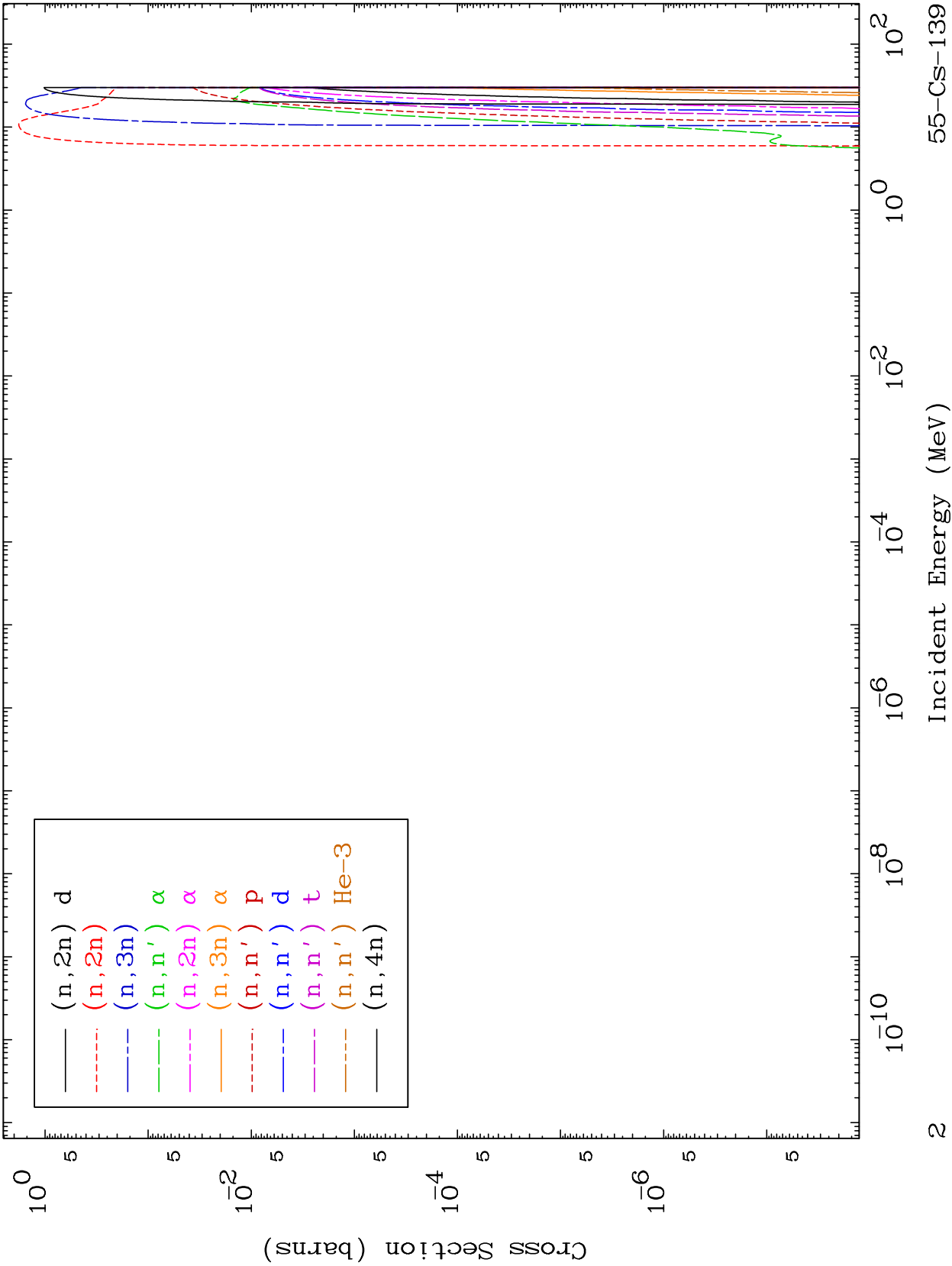
55-Cs-139



MAT 5543

Neutron Absorption  
293 Kelvin Cross Sections

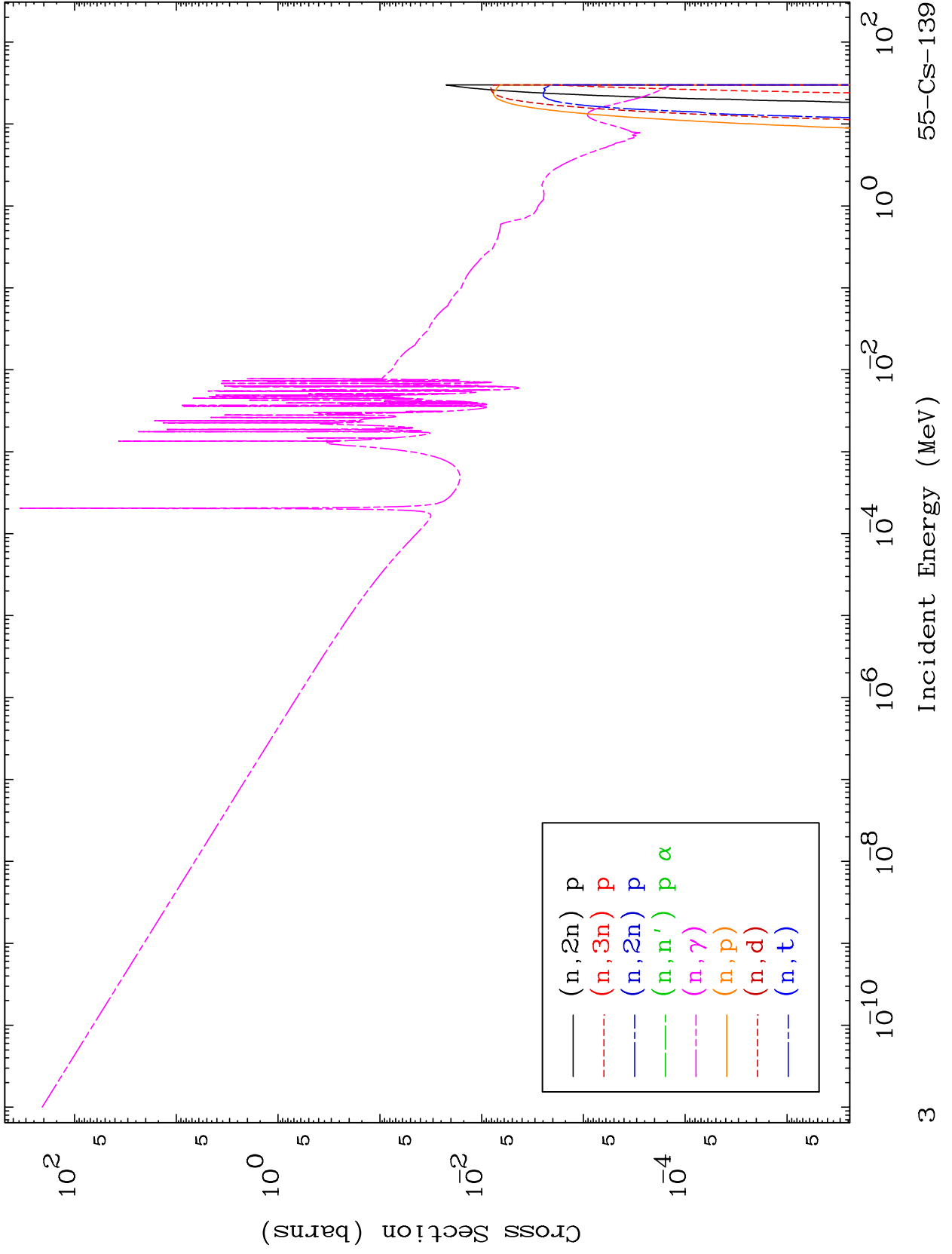
55-Cs-139

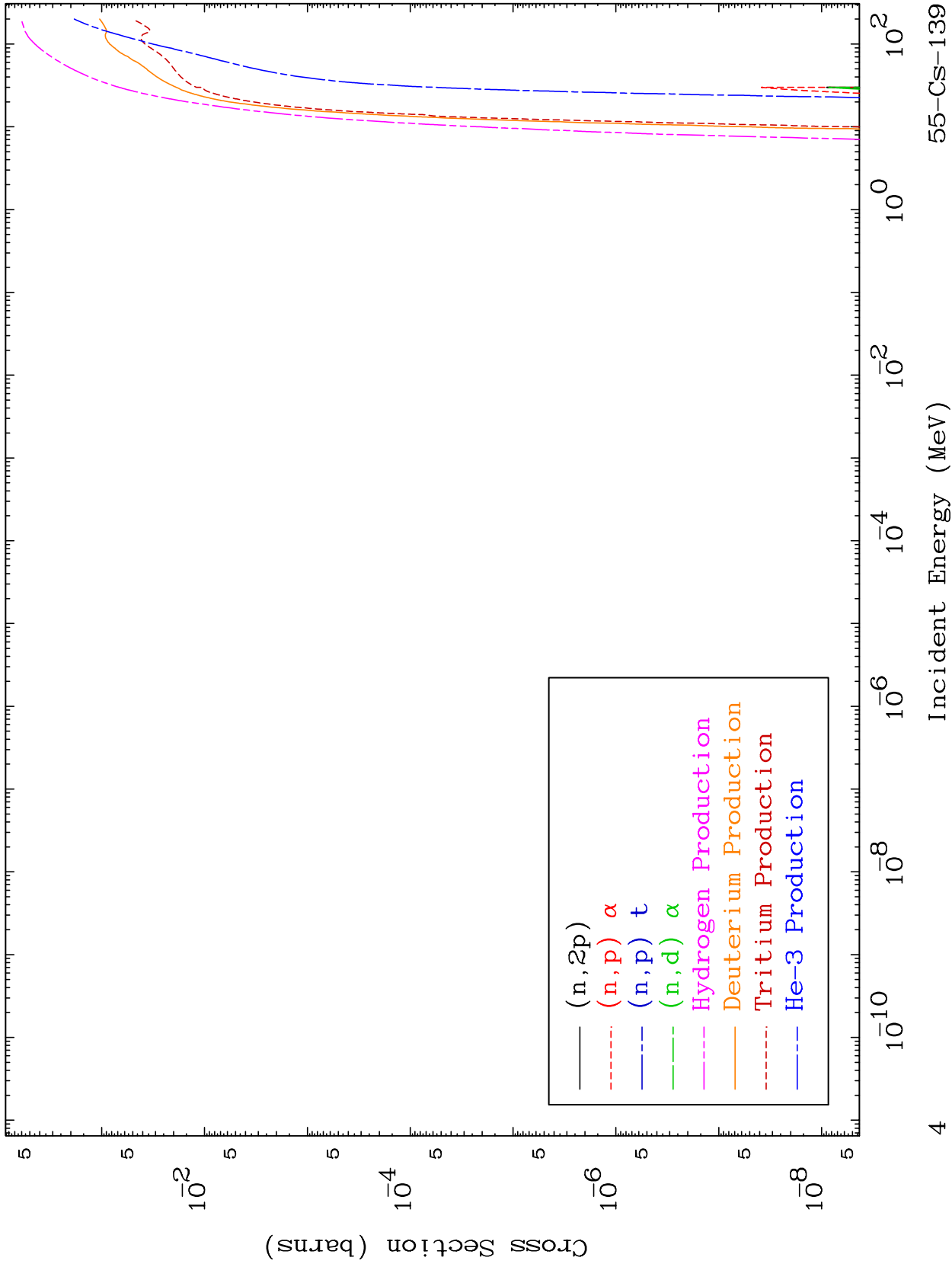


MAT 5543

Neutron Absorption  
293 Kelvin Cross Sections

55-Cs-139

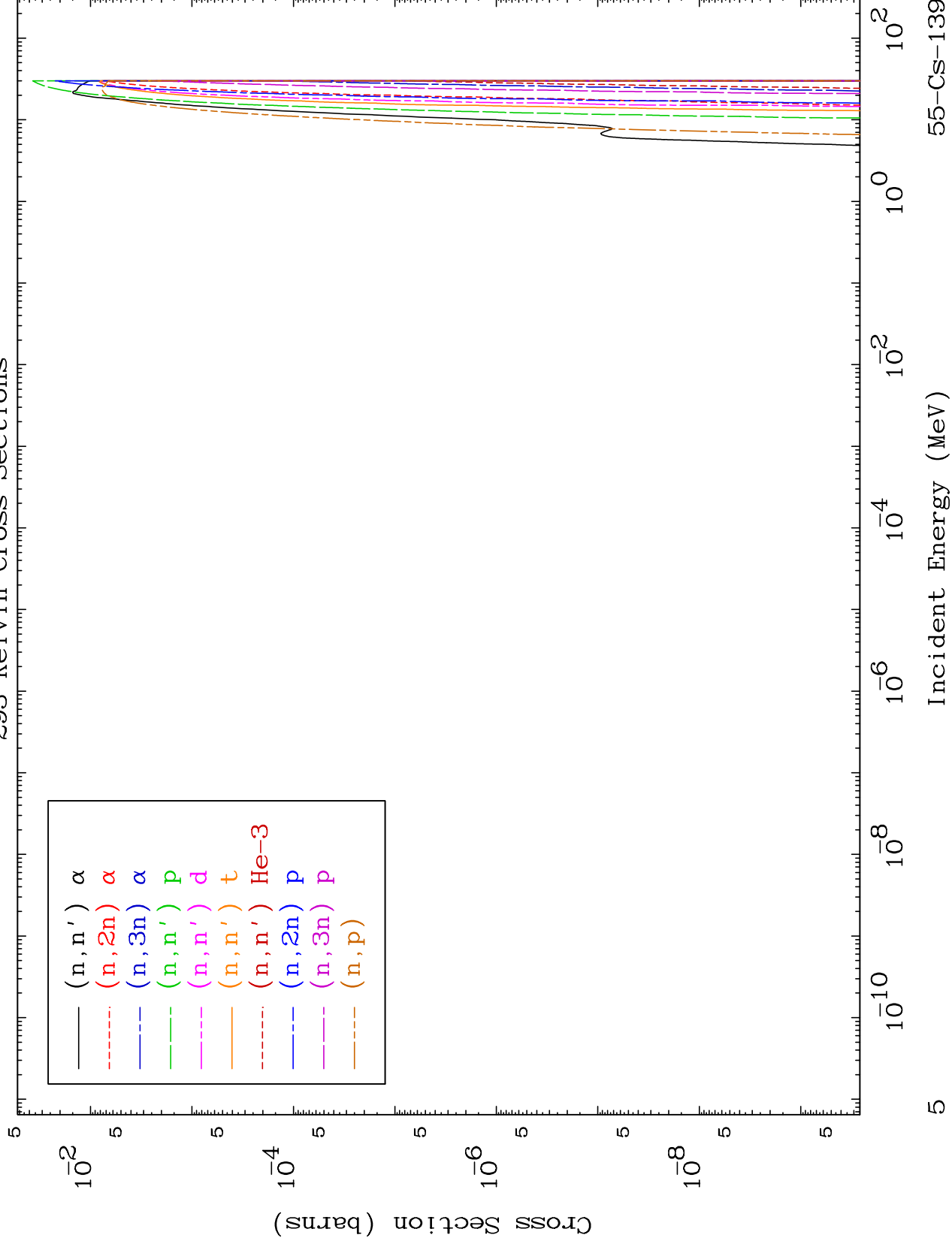




MAT 5543

Charged Particle  
293 Kelvin Cross Sections

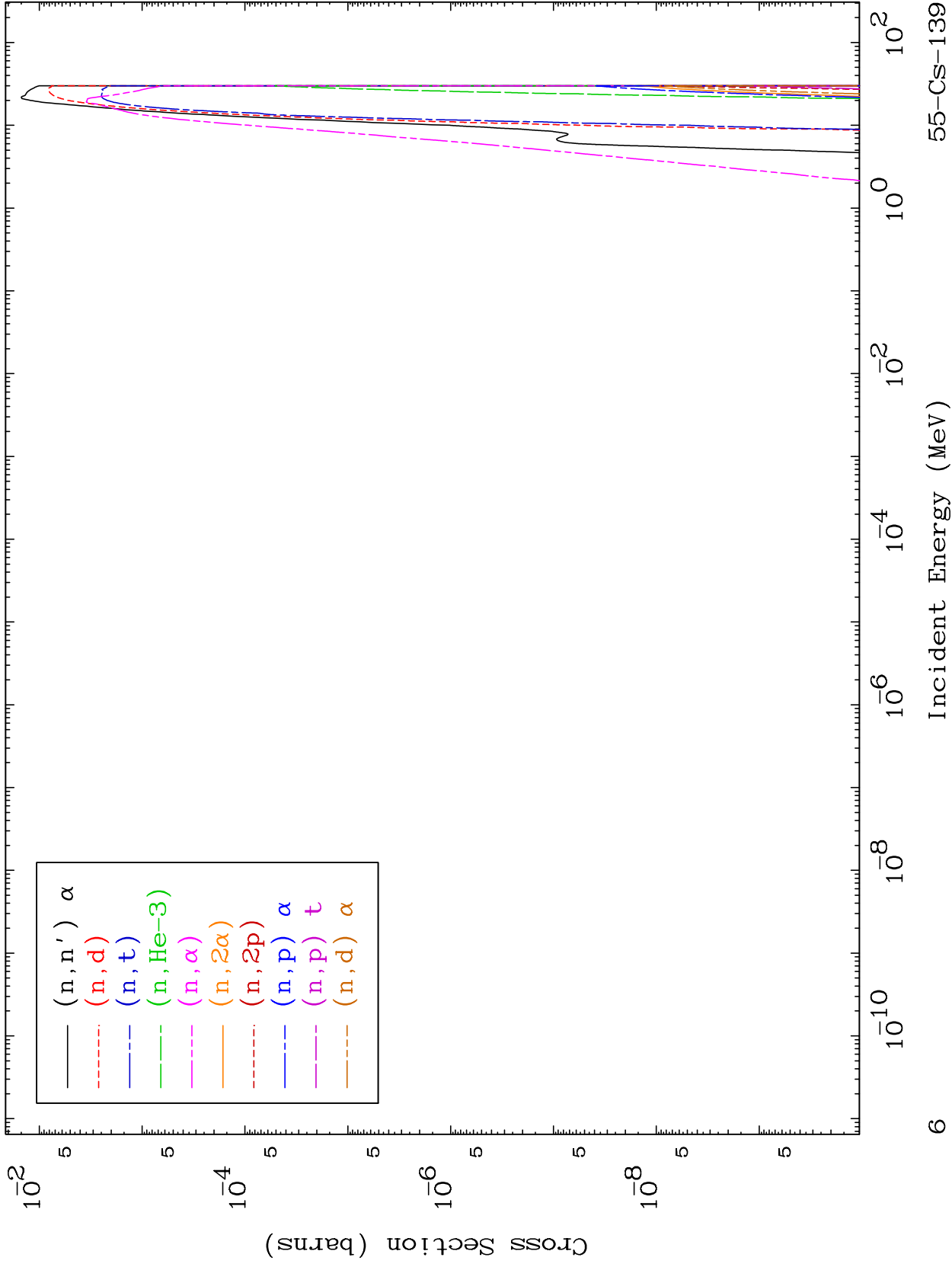
55-Cs-139



MAT 5543

Charged Particle  
293 Kelvin Cross Sections

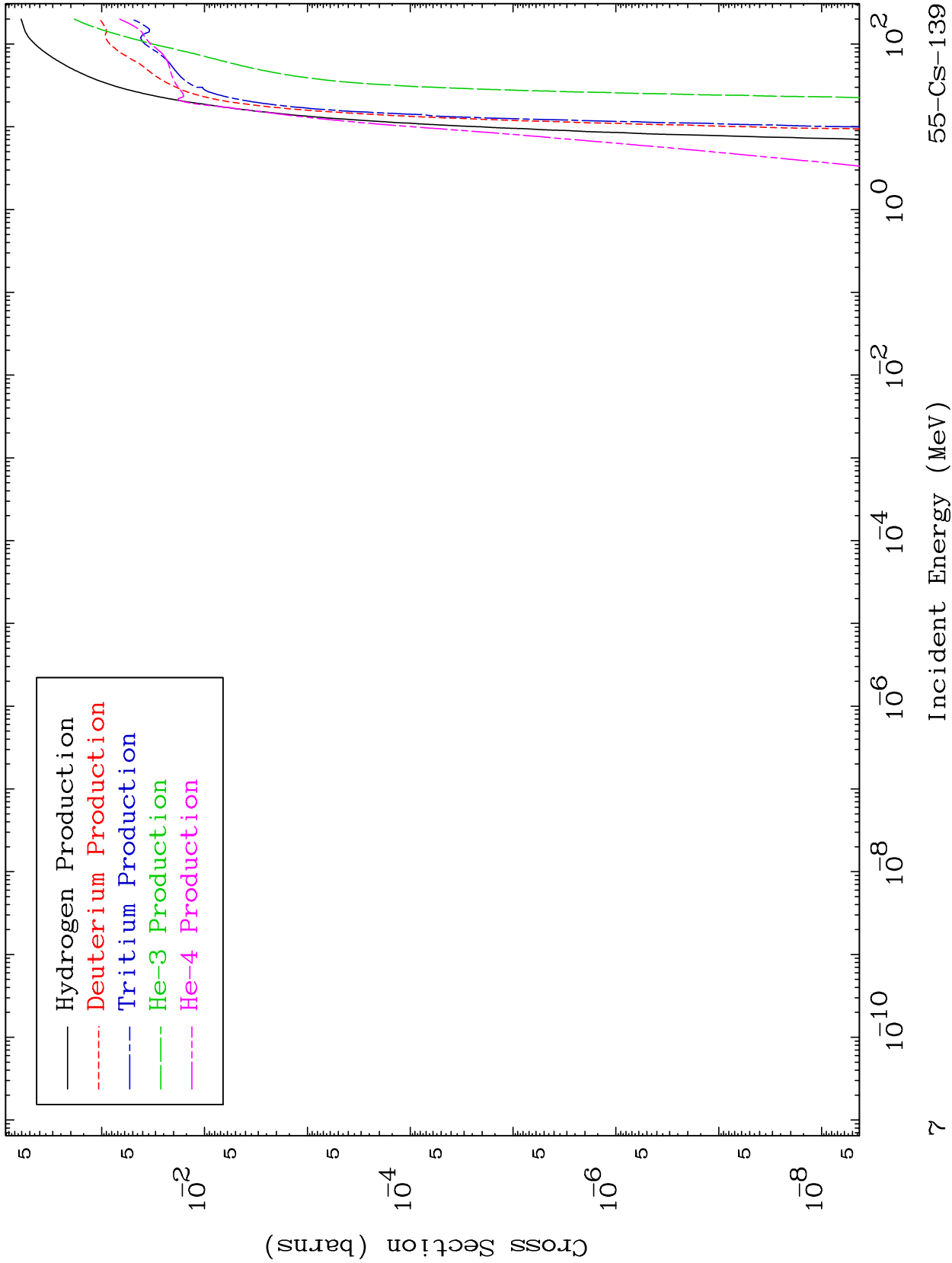
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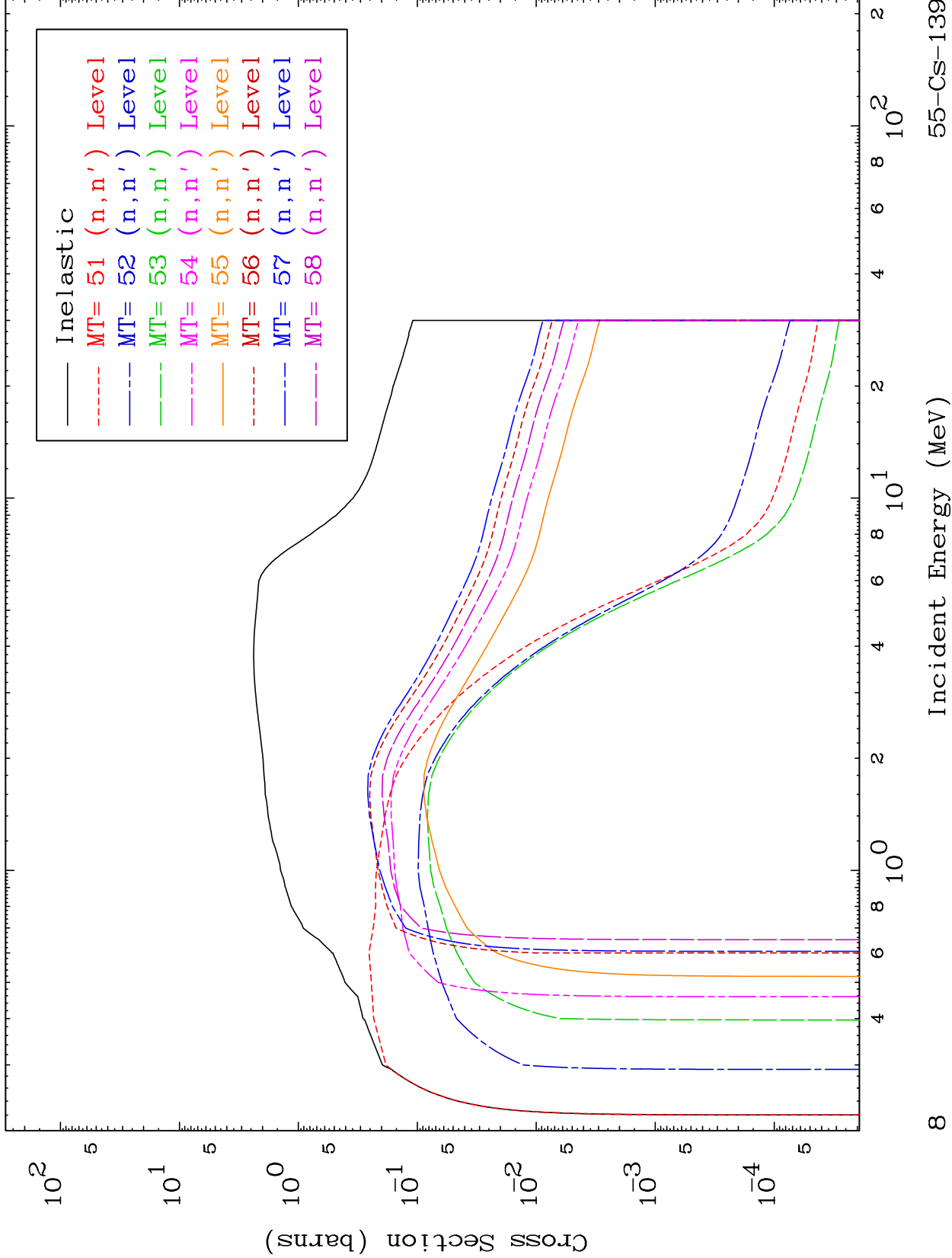
MAT 5543

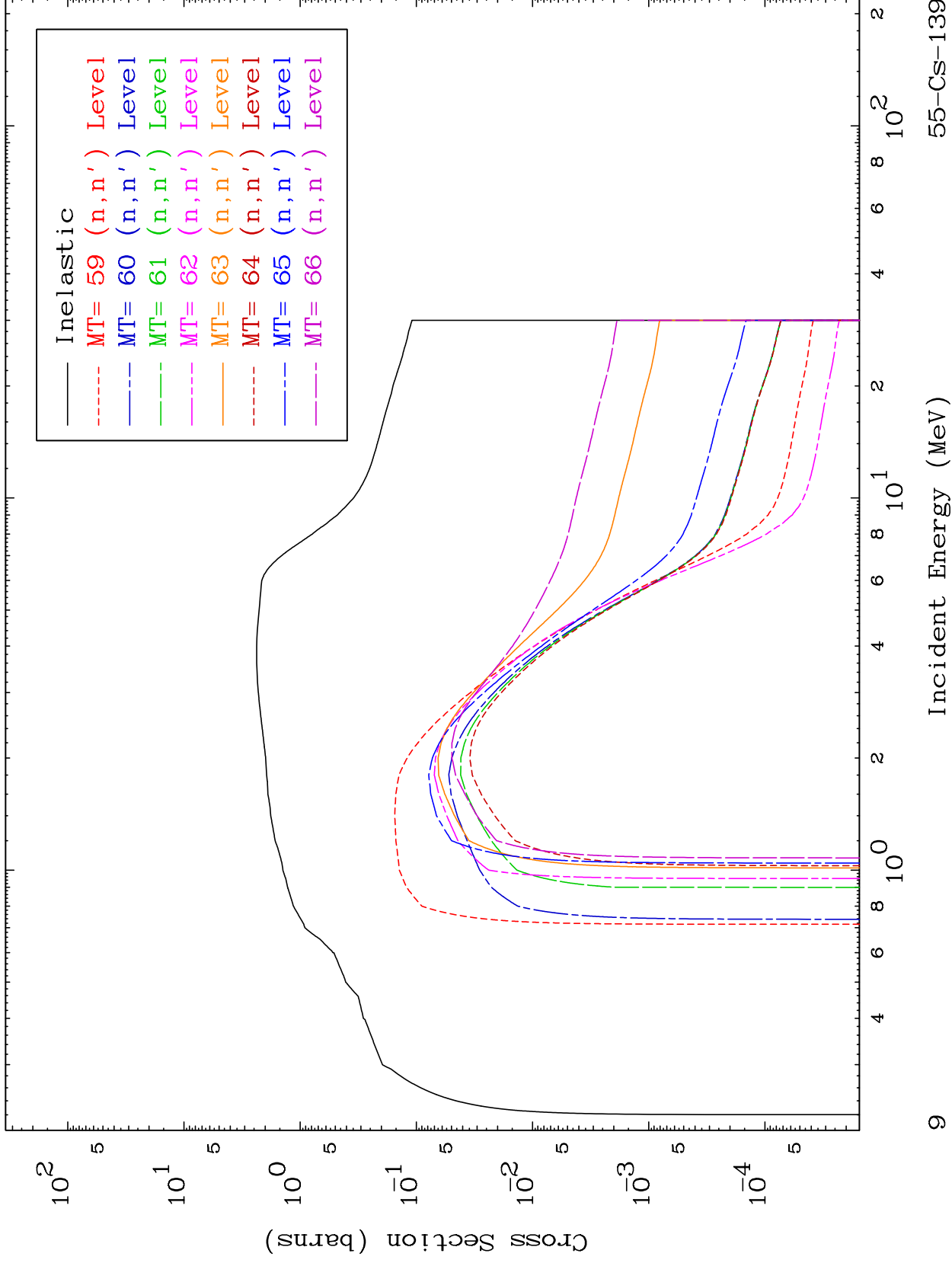
Particle Production  
293 Kelvin Cross Sections

55-Cs-139







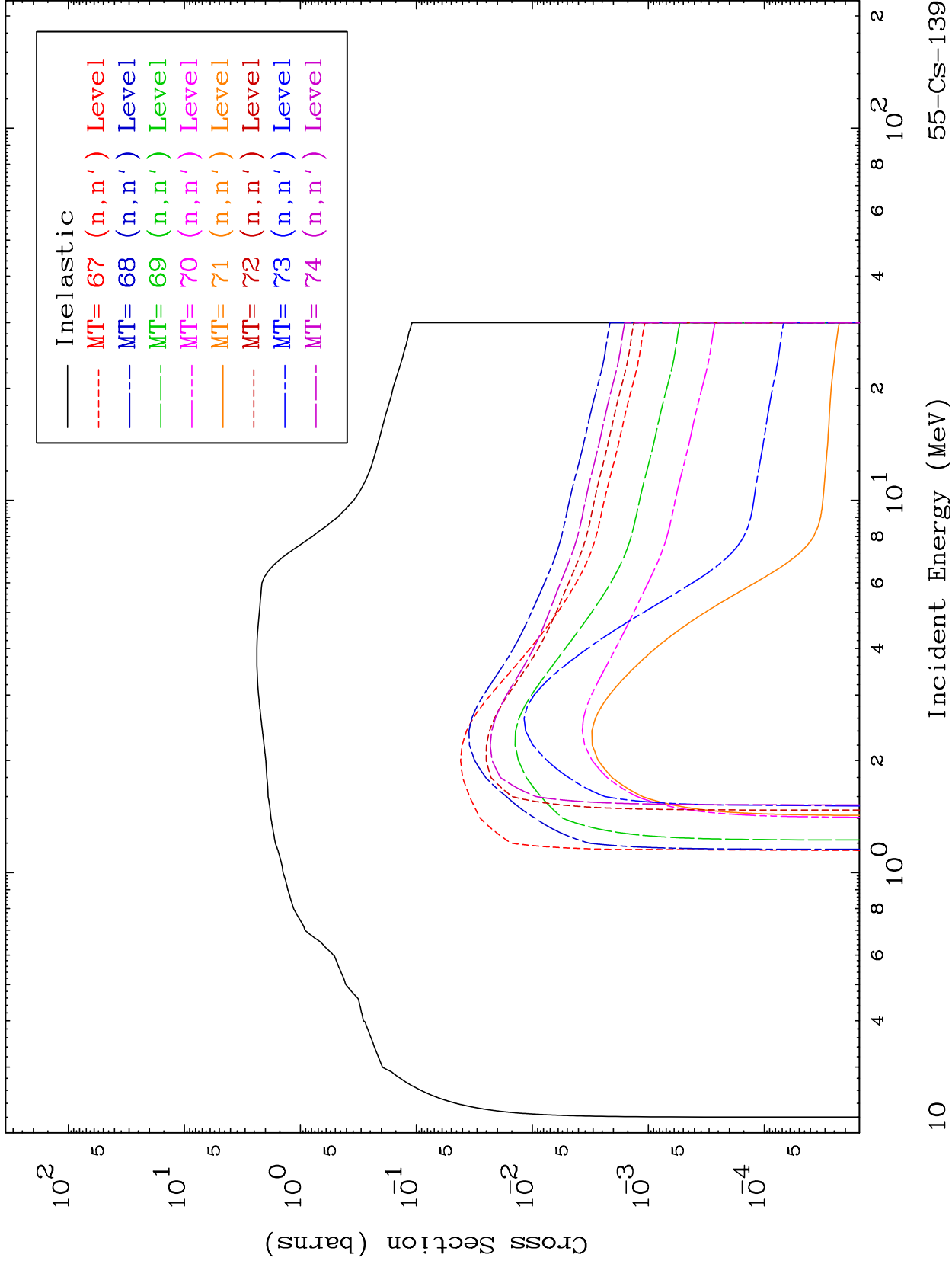


MAT 5543

(n,n') Levels

293 Kelvin Cross Sections

55-Cs-139



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Incident Energy (MeV)

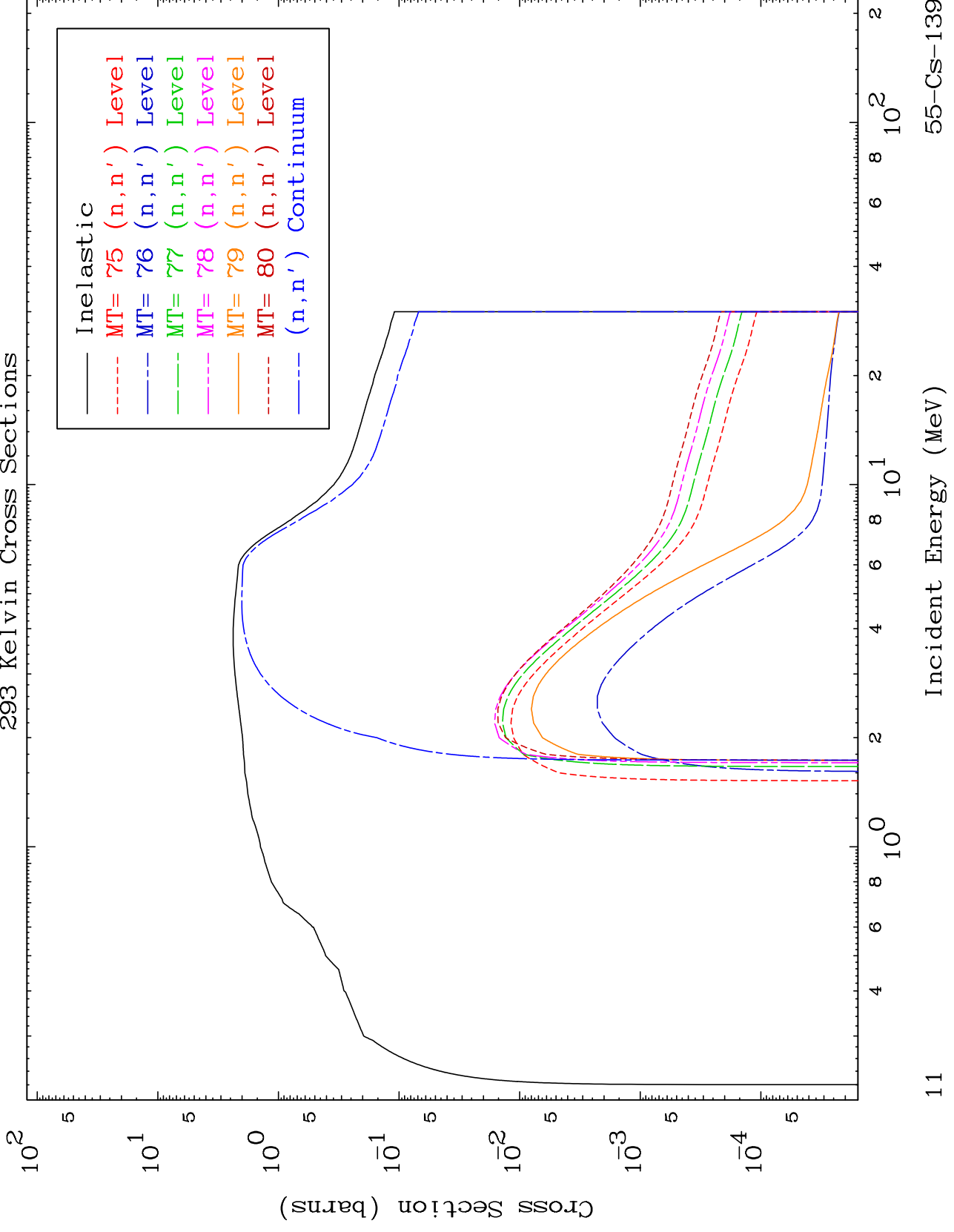
55-Cs-139

MAT 5543

(n,n') Levels

55-Cs-139

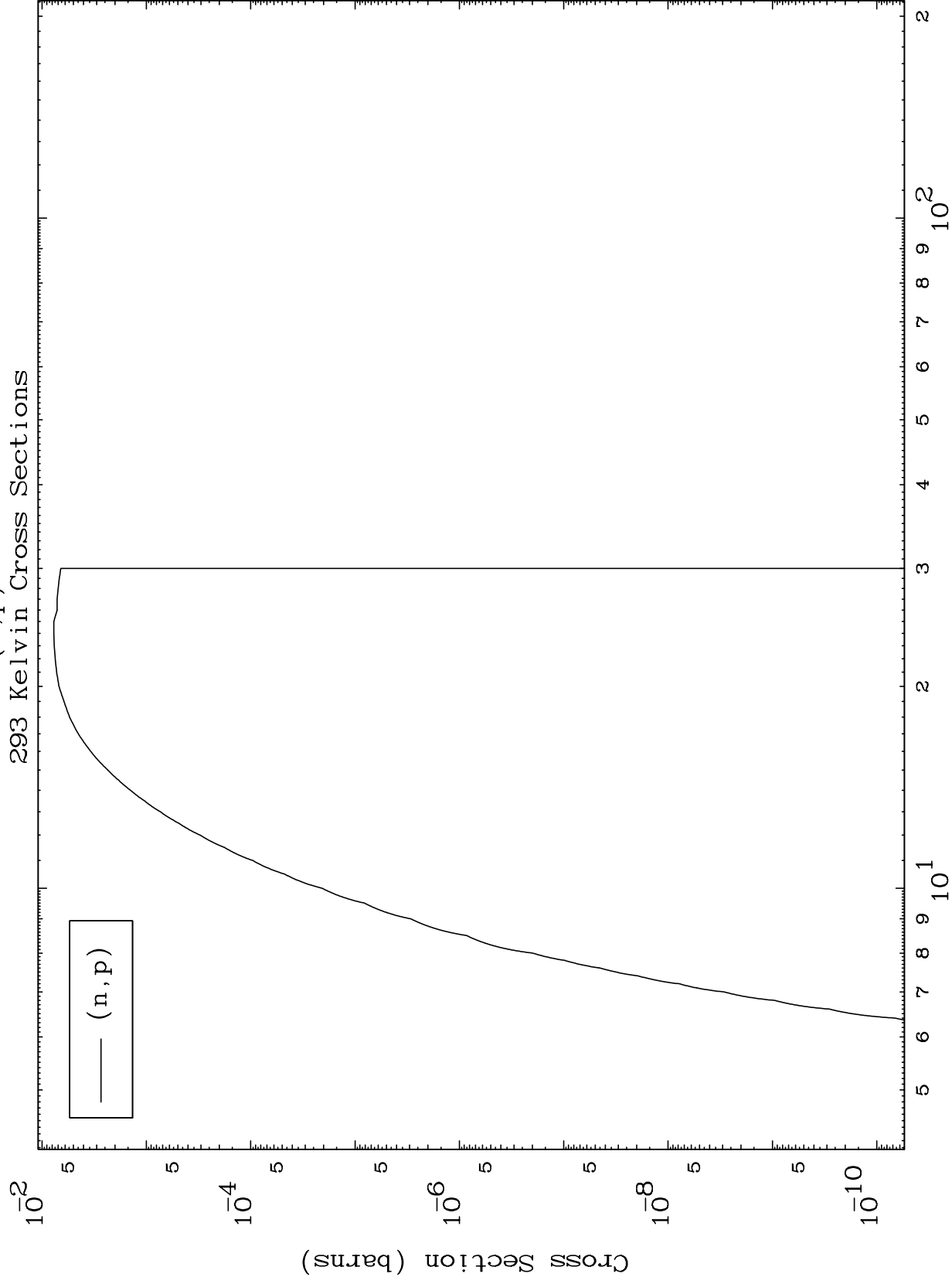
293 Kelvin Cross Sections



MAT 5543

(n,p) Levels  
293 Kelvin Cross Sections

55-Cs-139



12

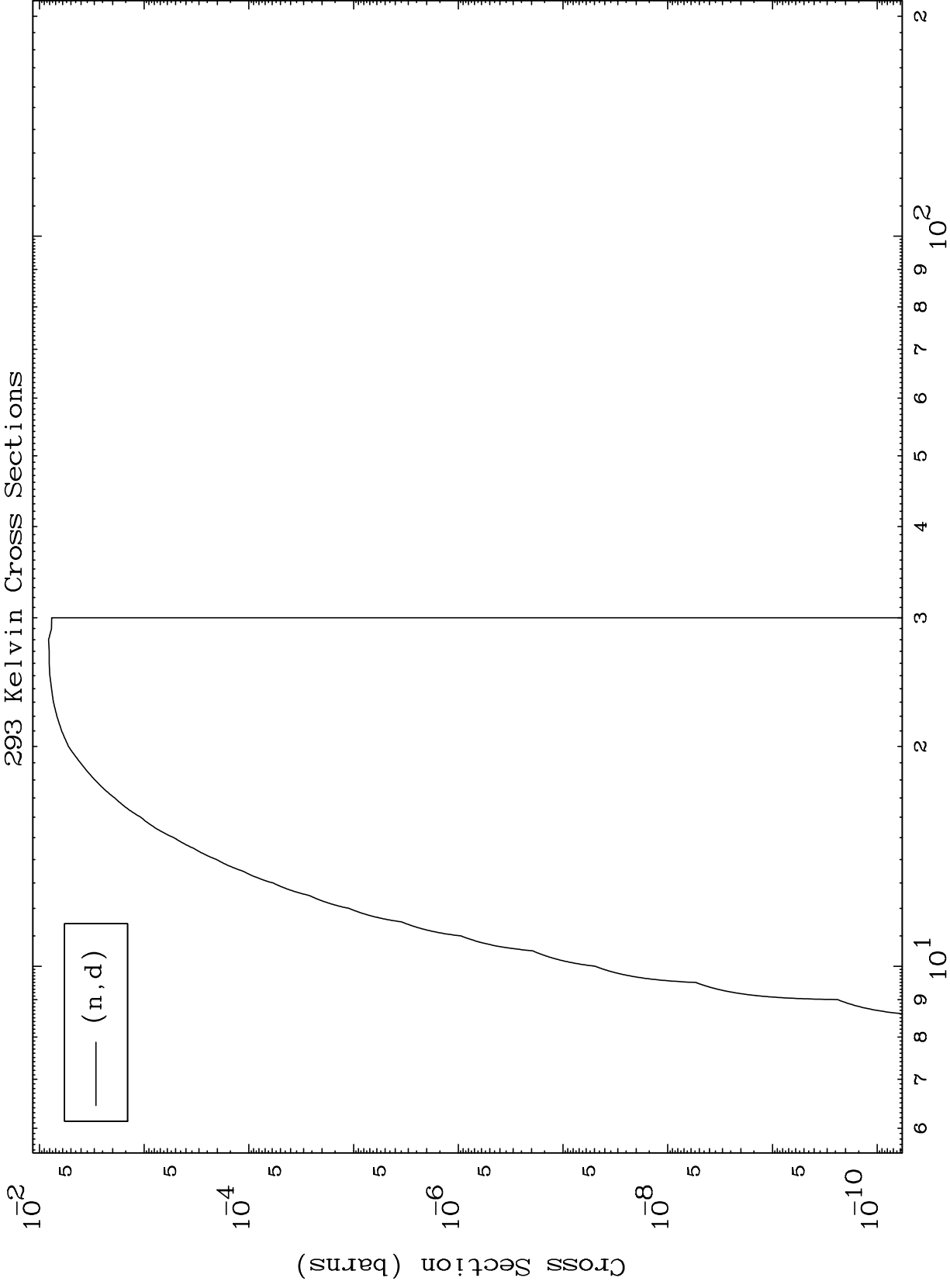
Incident Energy (MeV)

55-Cs-139

MAT 5543

(n,d) Levels  
293 Kelvin Cross Sections

55-Cs-139



13

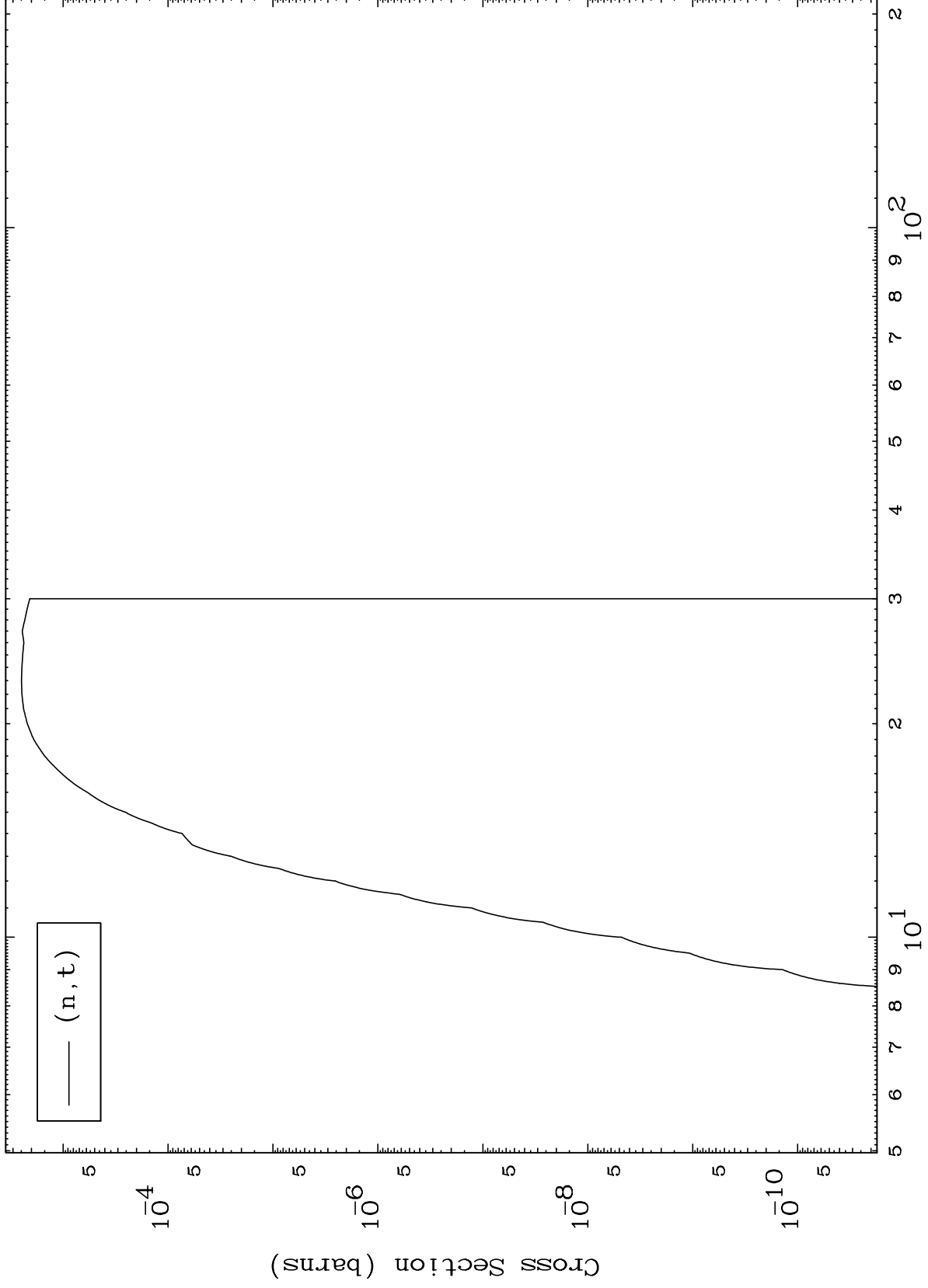
Incident Energy (MeV)

55-Cs-139

MAT 5543

(n,t) Levels  
293 Kelvin Cross Sections

55-Cs-139



14

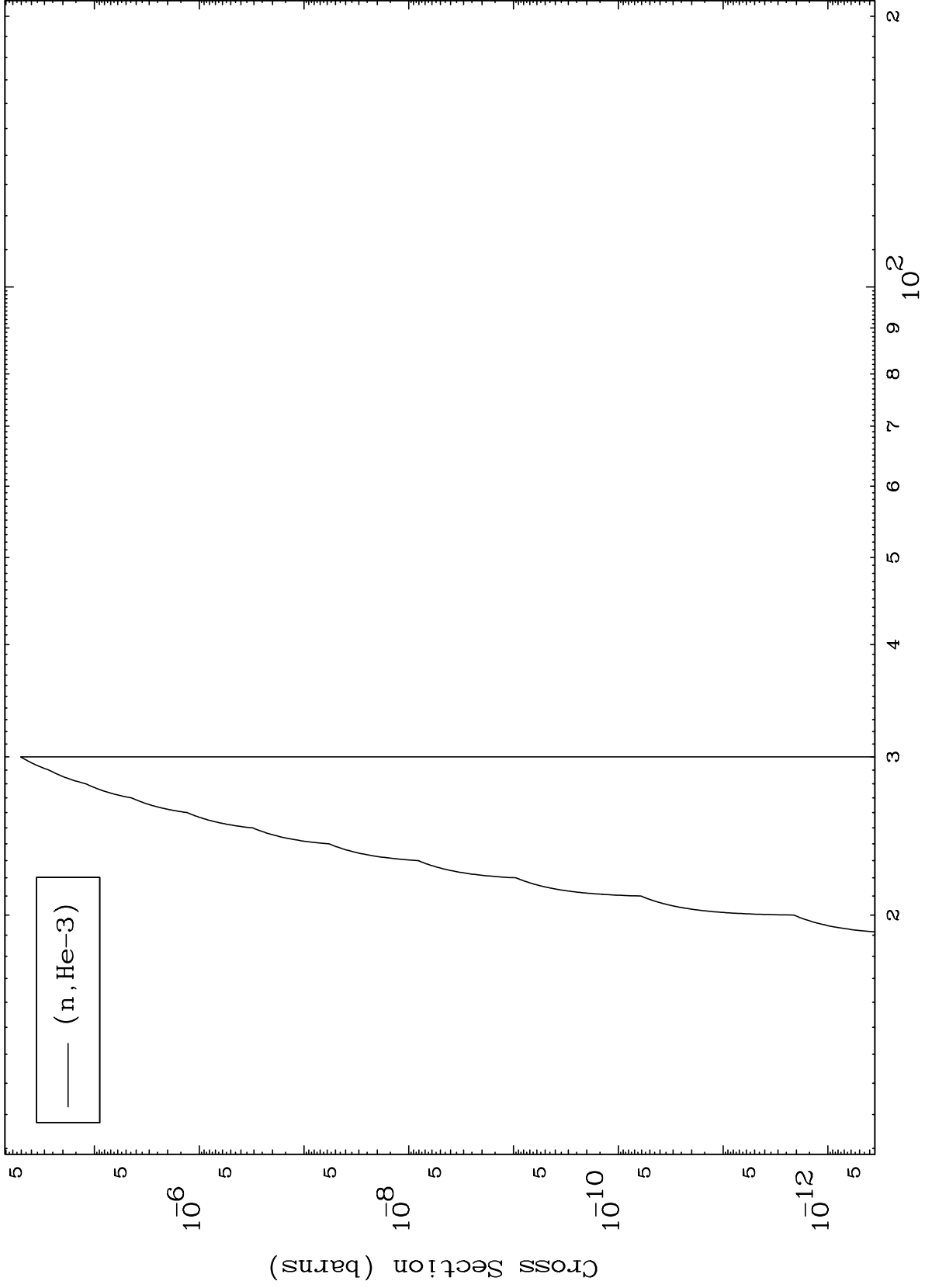
Incident Energy (MeV)

55-Cs-139

MAT 5543

(n,He3) Levels  
293 Kelvin Cross Sections

55-Cs-139



15

Incident Energy (MeV)

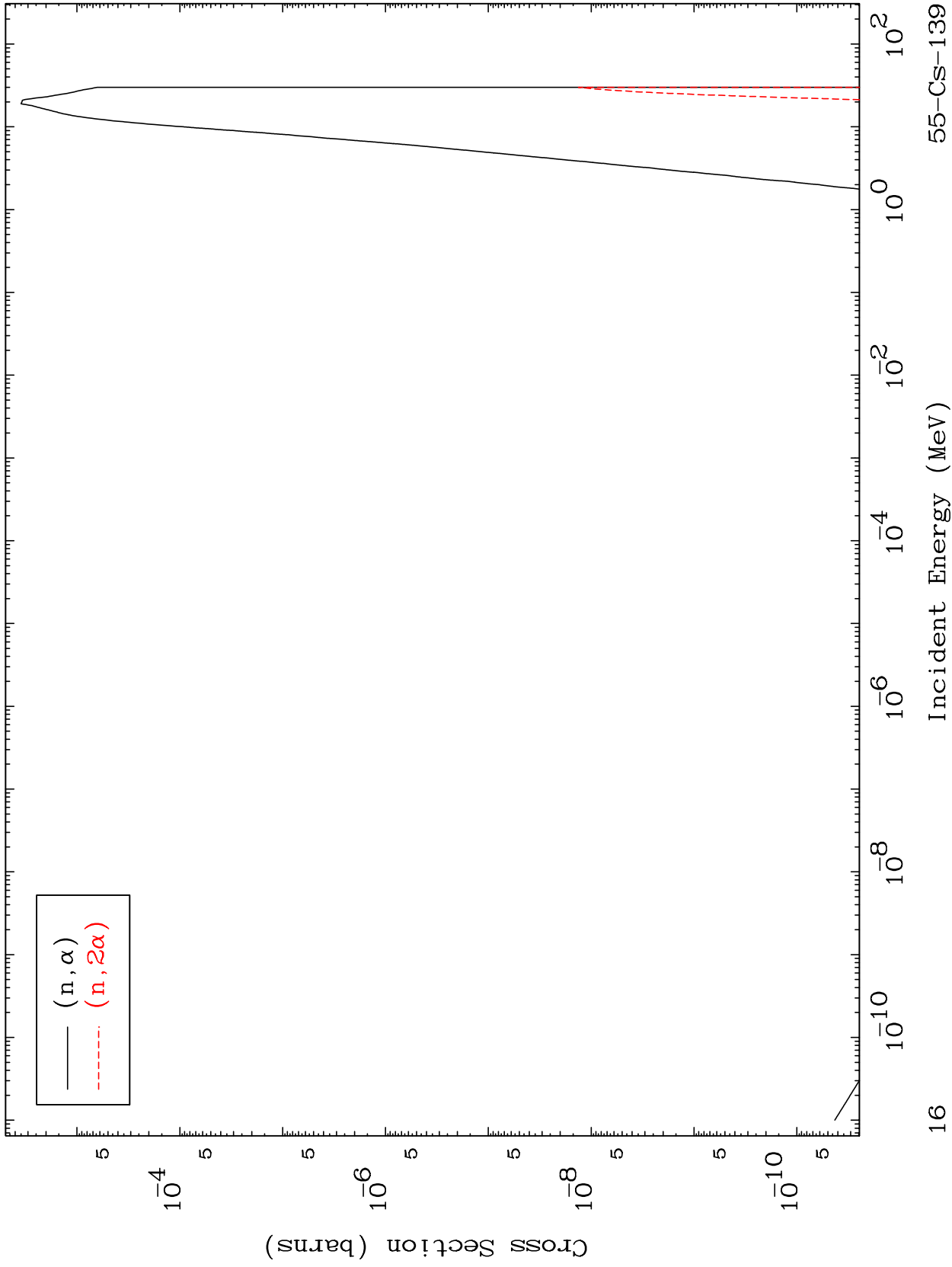
55-Cs-139



MAT 5543

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

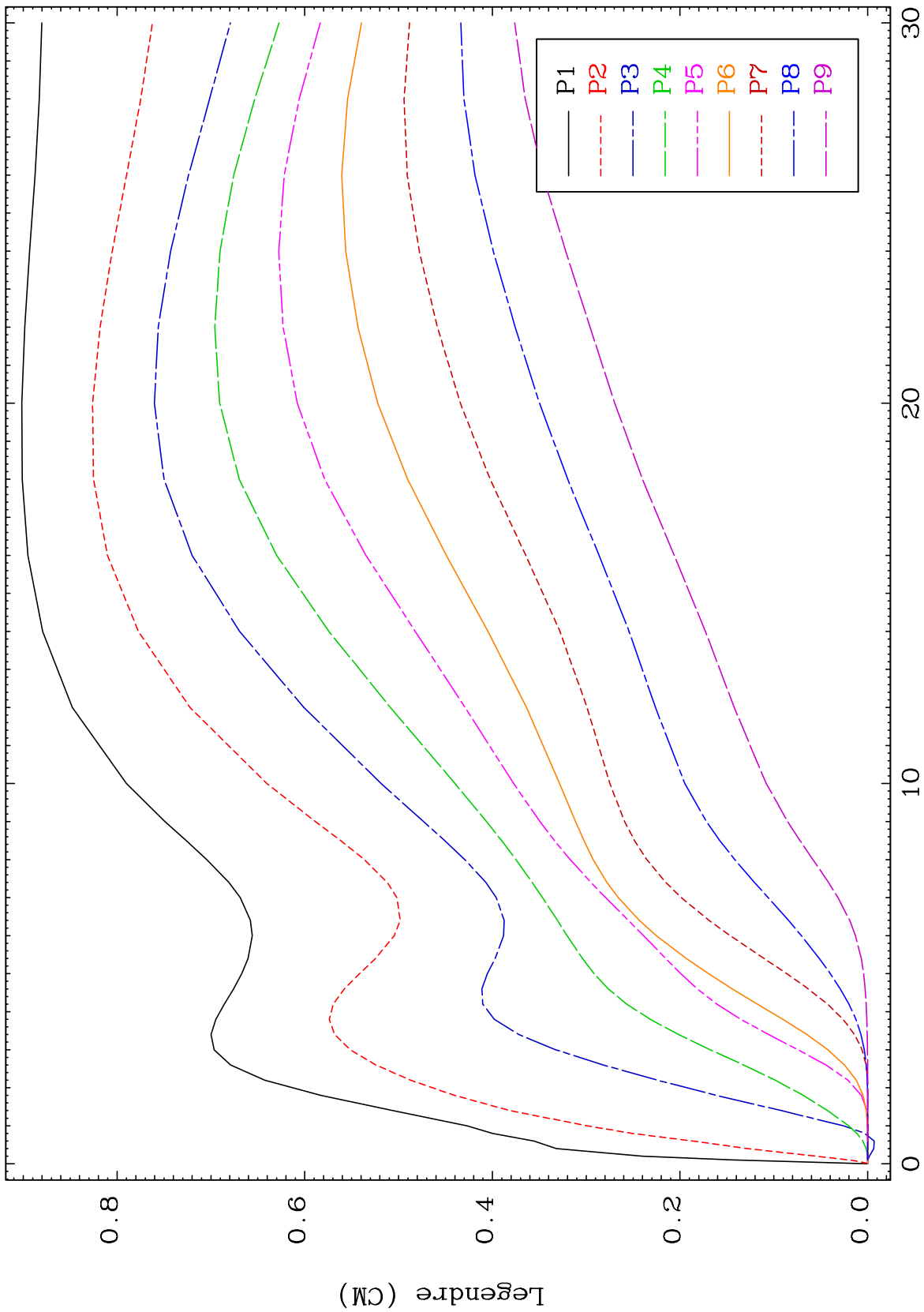
55-Cs-139



MAT 5543

55-Cs-139

Elastic Legendre Coefficients



17

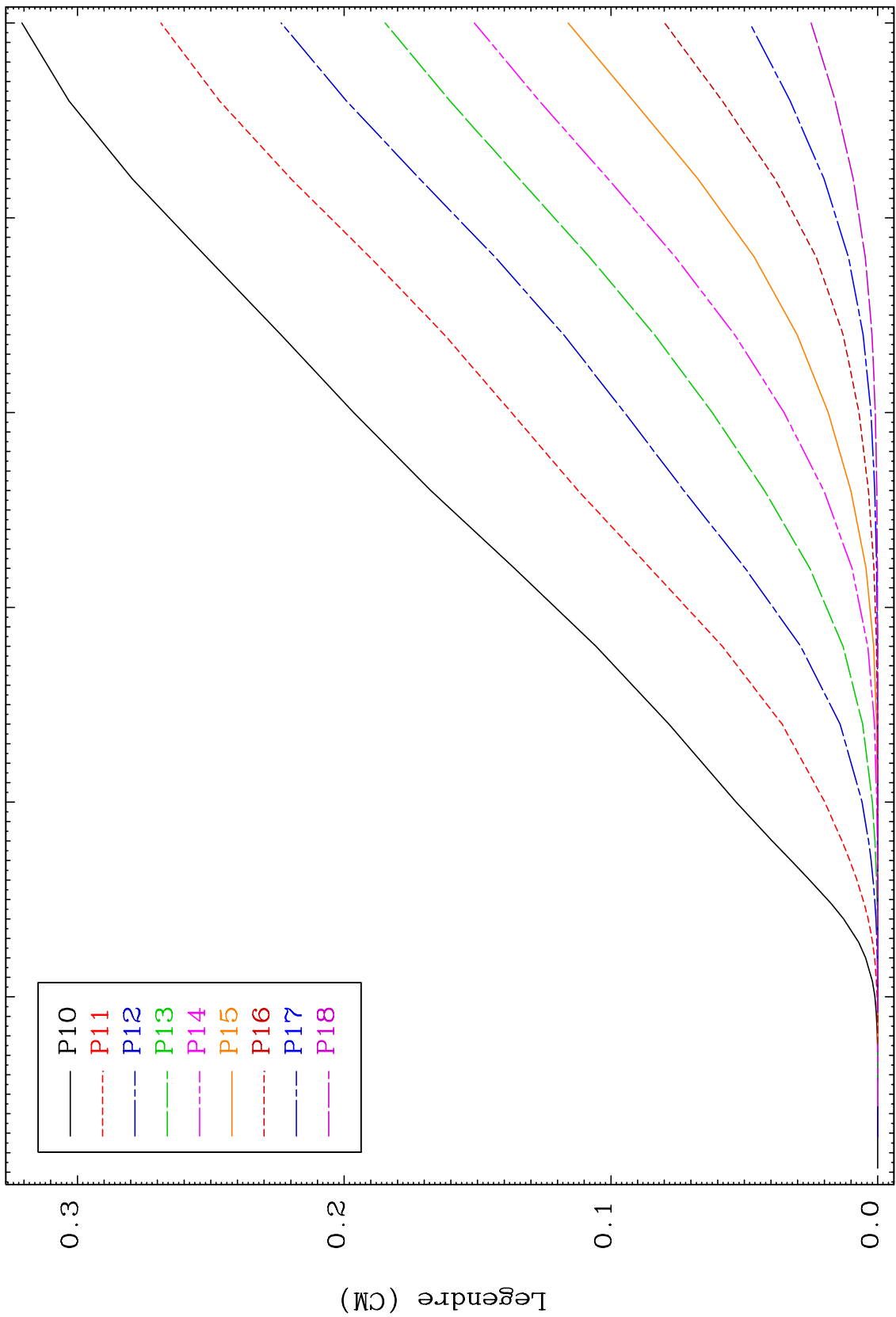
Incident Energy (MeV)

55-Cs-139

MAT 5543

Elastic Legendre Coefficients

55-Cs-139



18

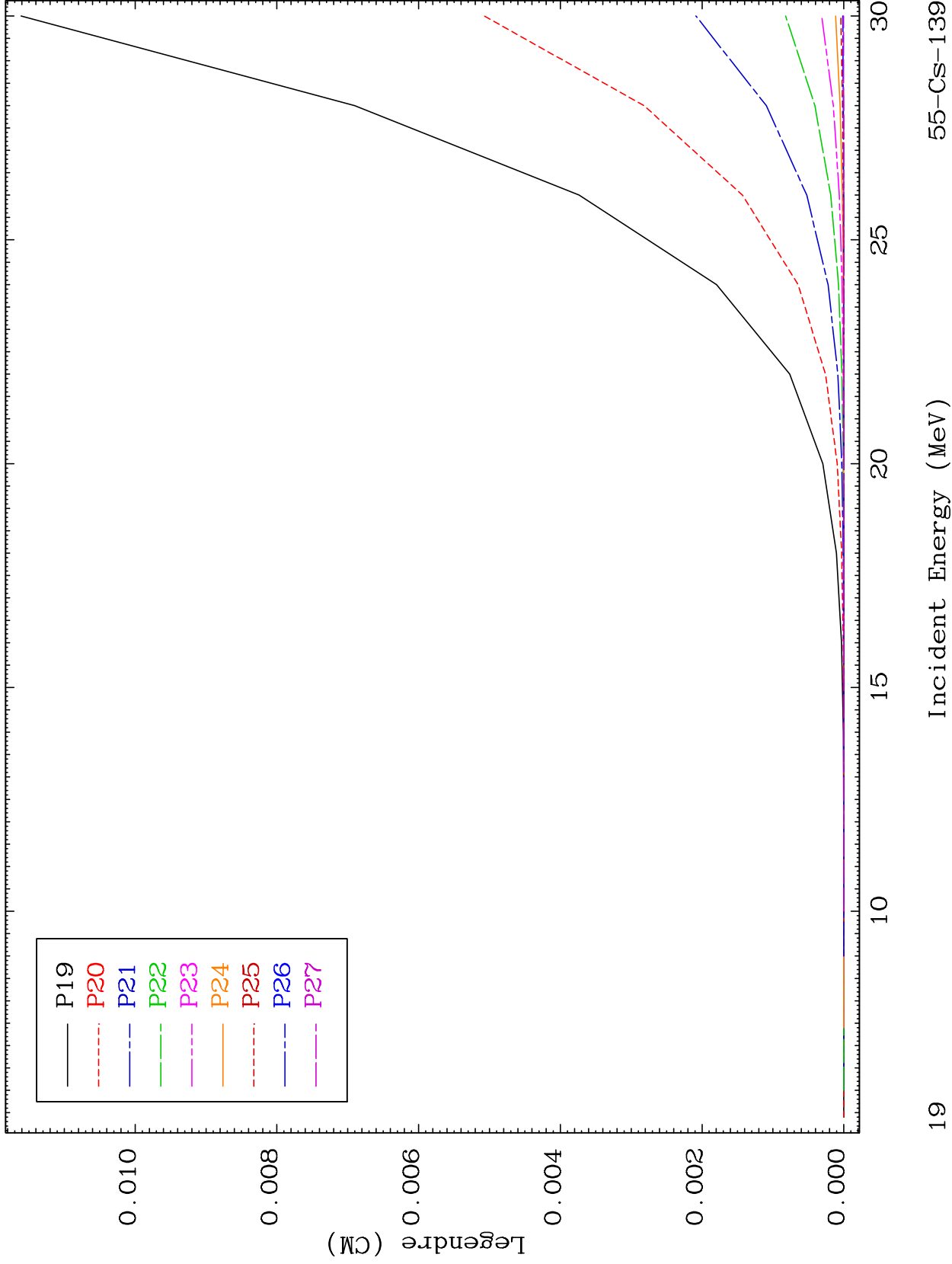
Incident Energy (MeV)

55-Cs-139

MAT 5543

### Elastic Legendre Coefficients

55-Cs-139



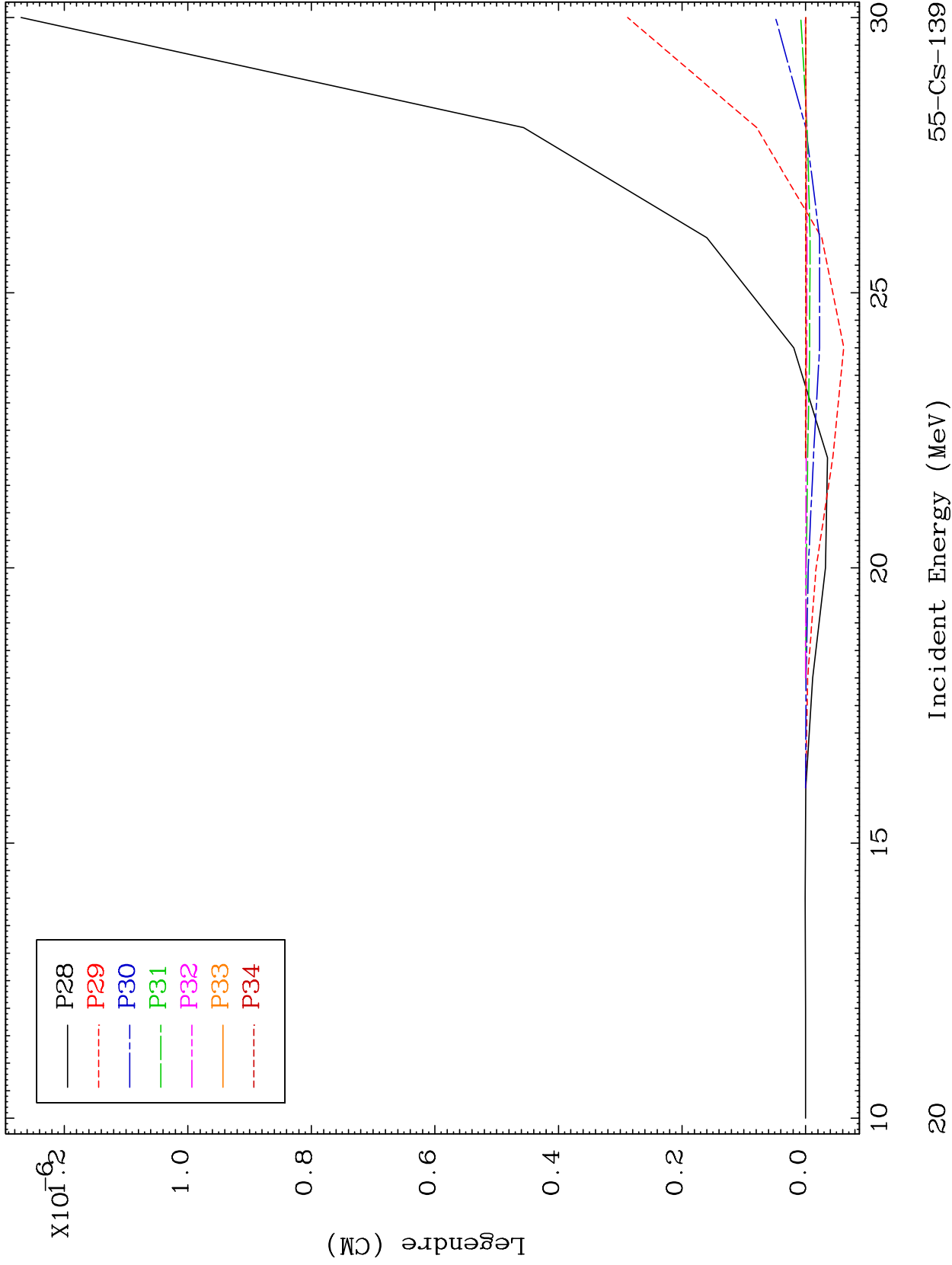
19

55-Cs-139

MAT 5543

Elastic  
Legendre Coefficients

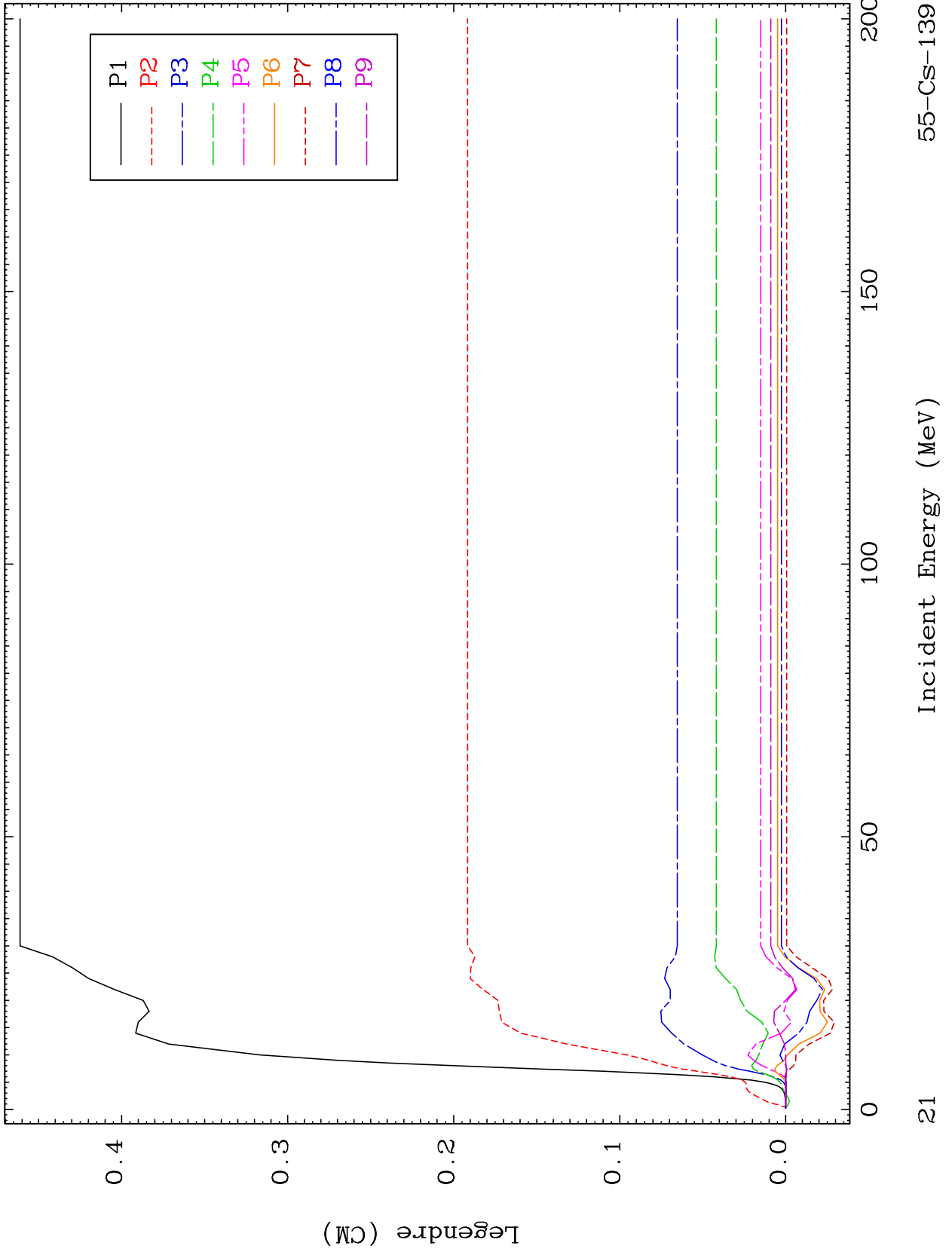
55-Cs-139



MAT 5543

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

55-Cs-139



21

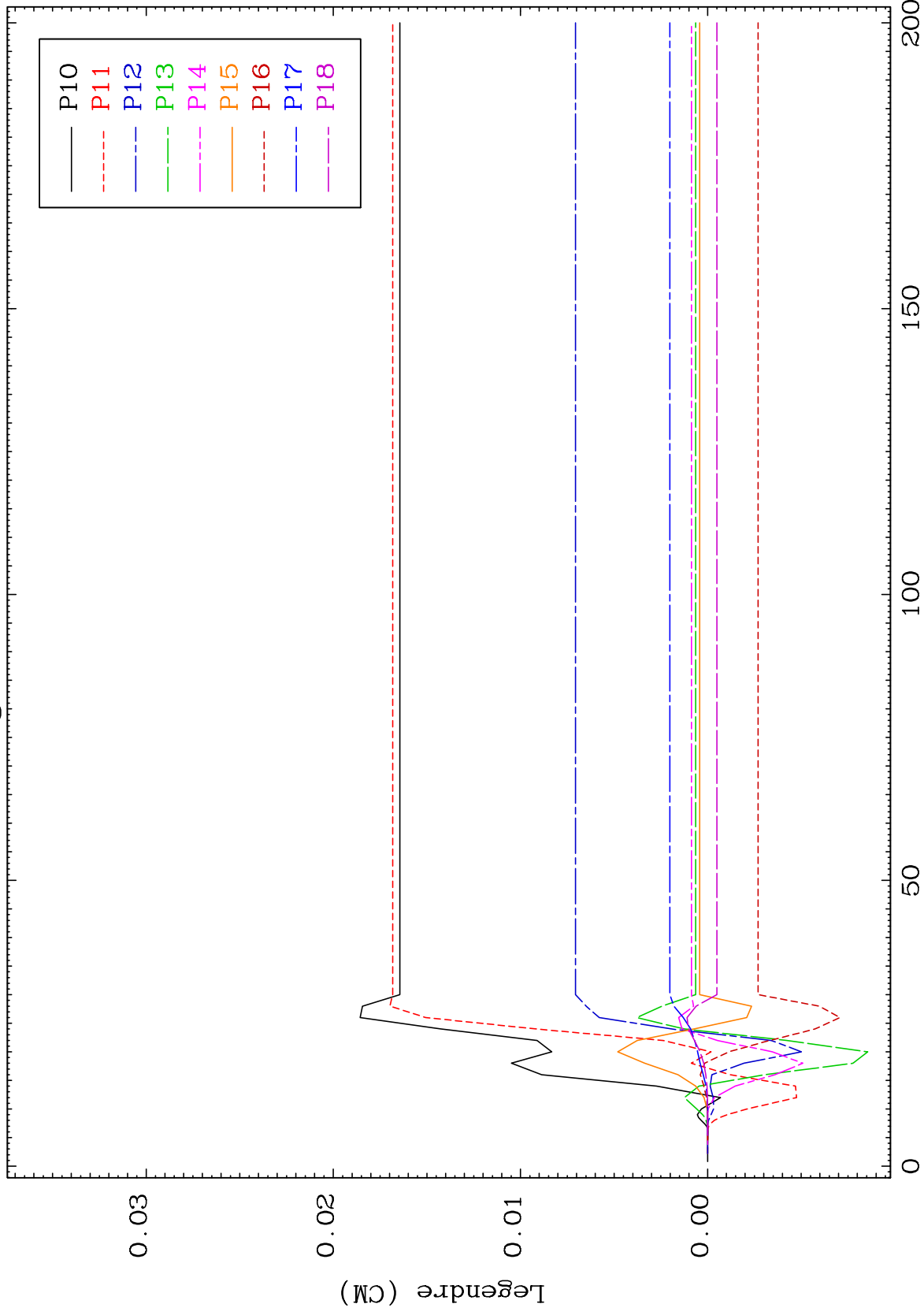
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139



22

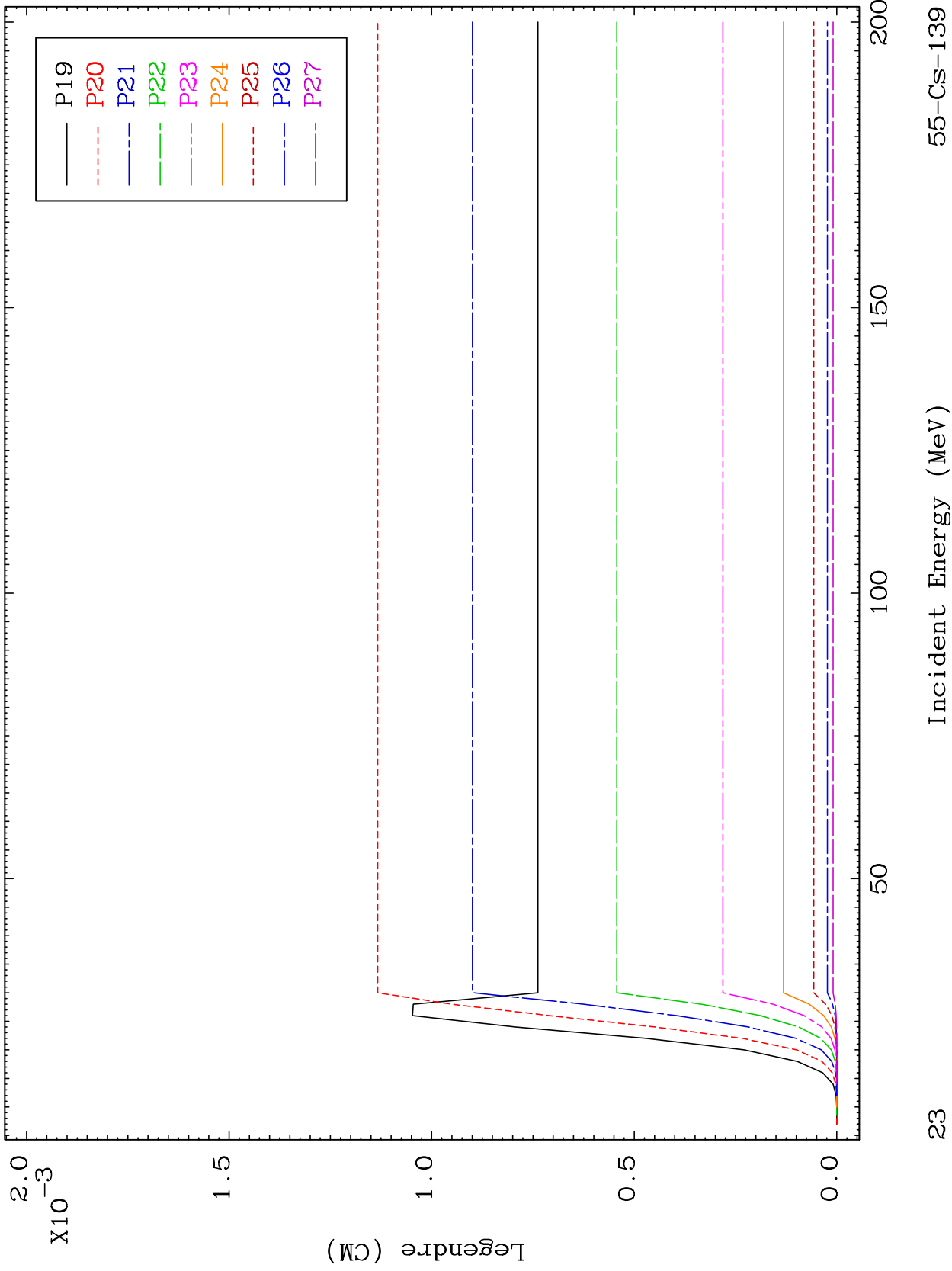
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139



23

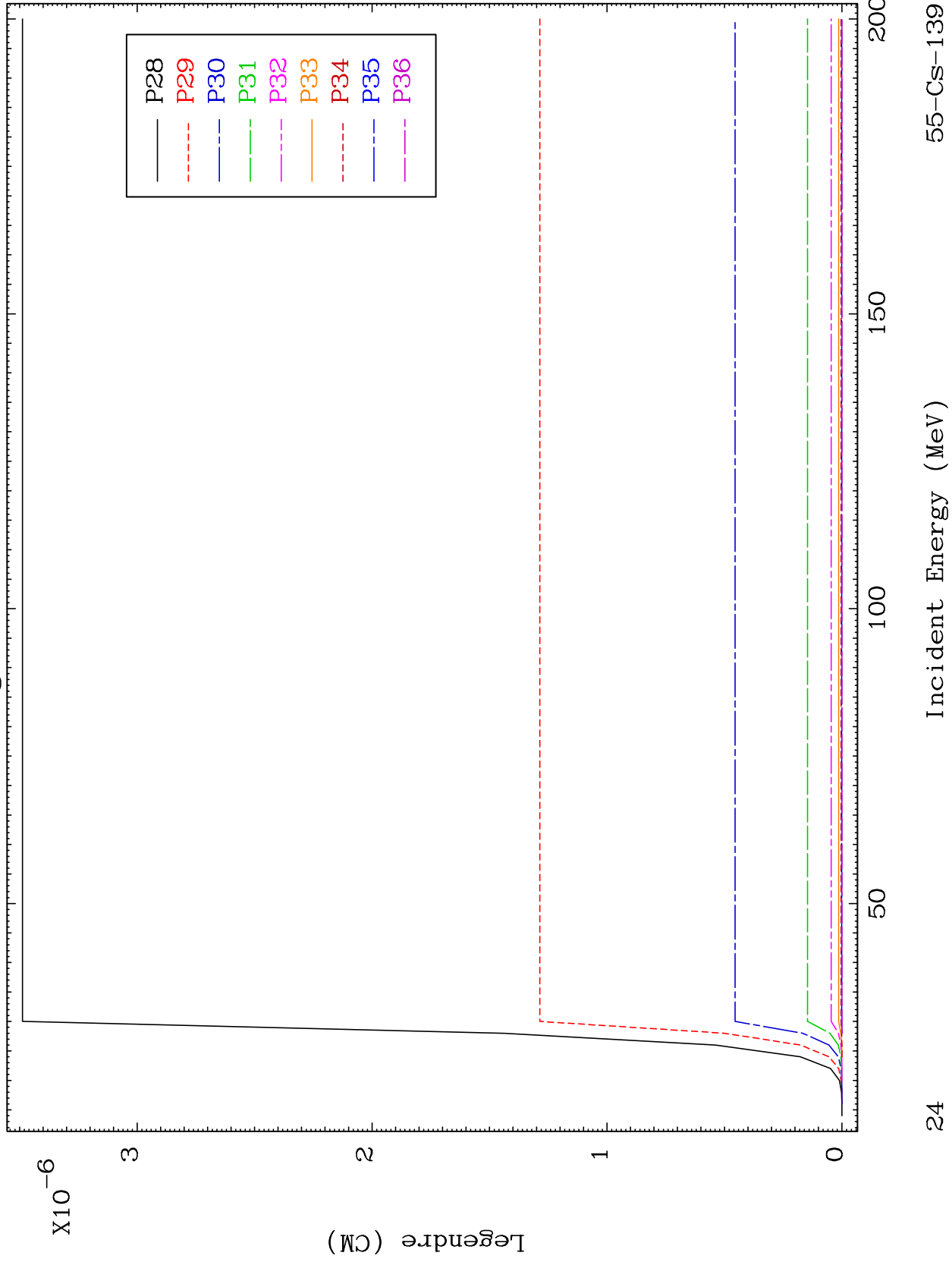
55-Cs-139



MAT 5543

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

55-Cs-139



24

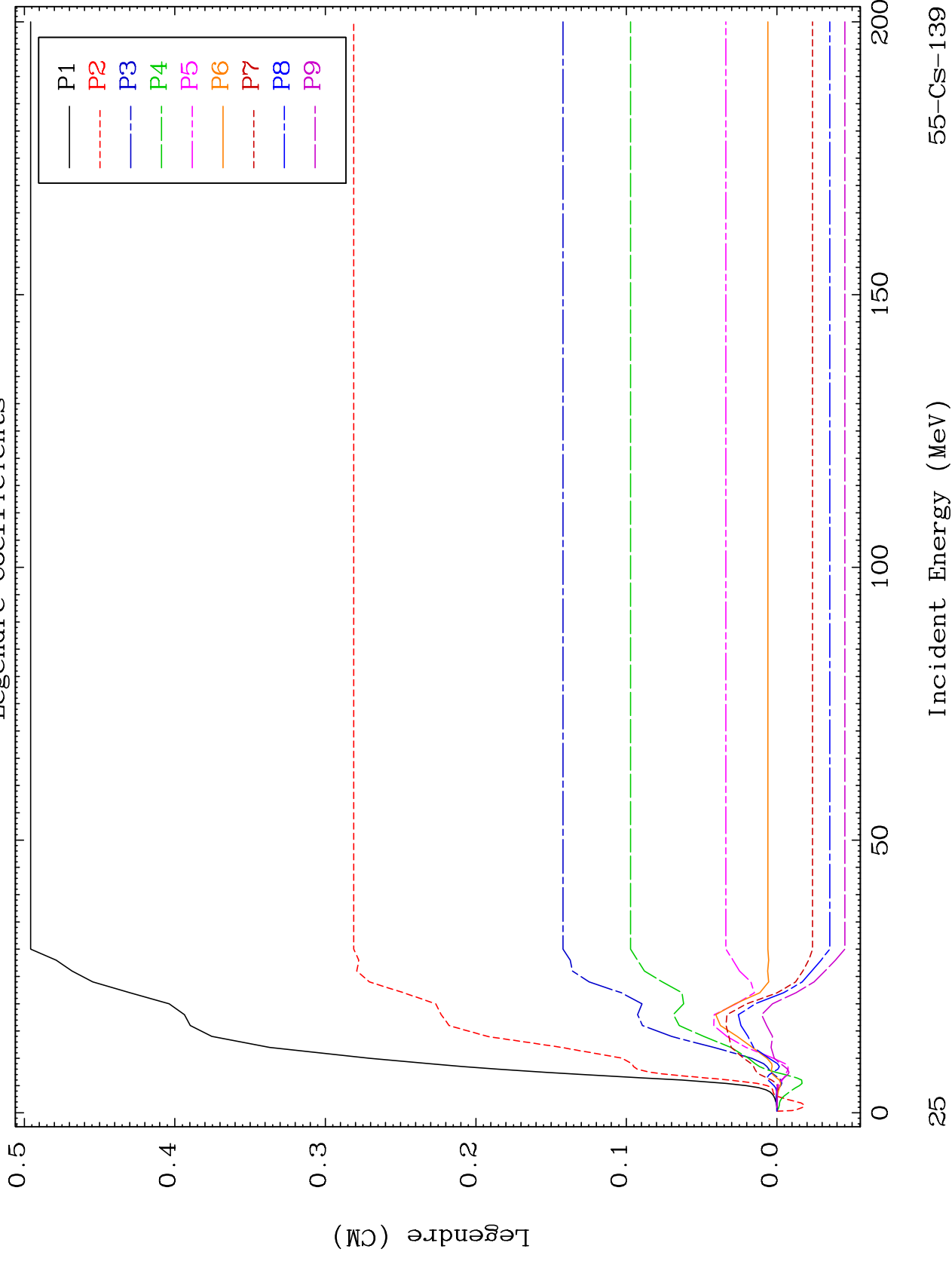
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

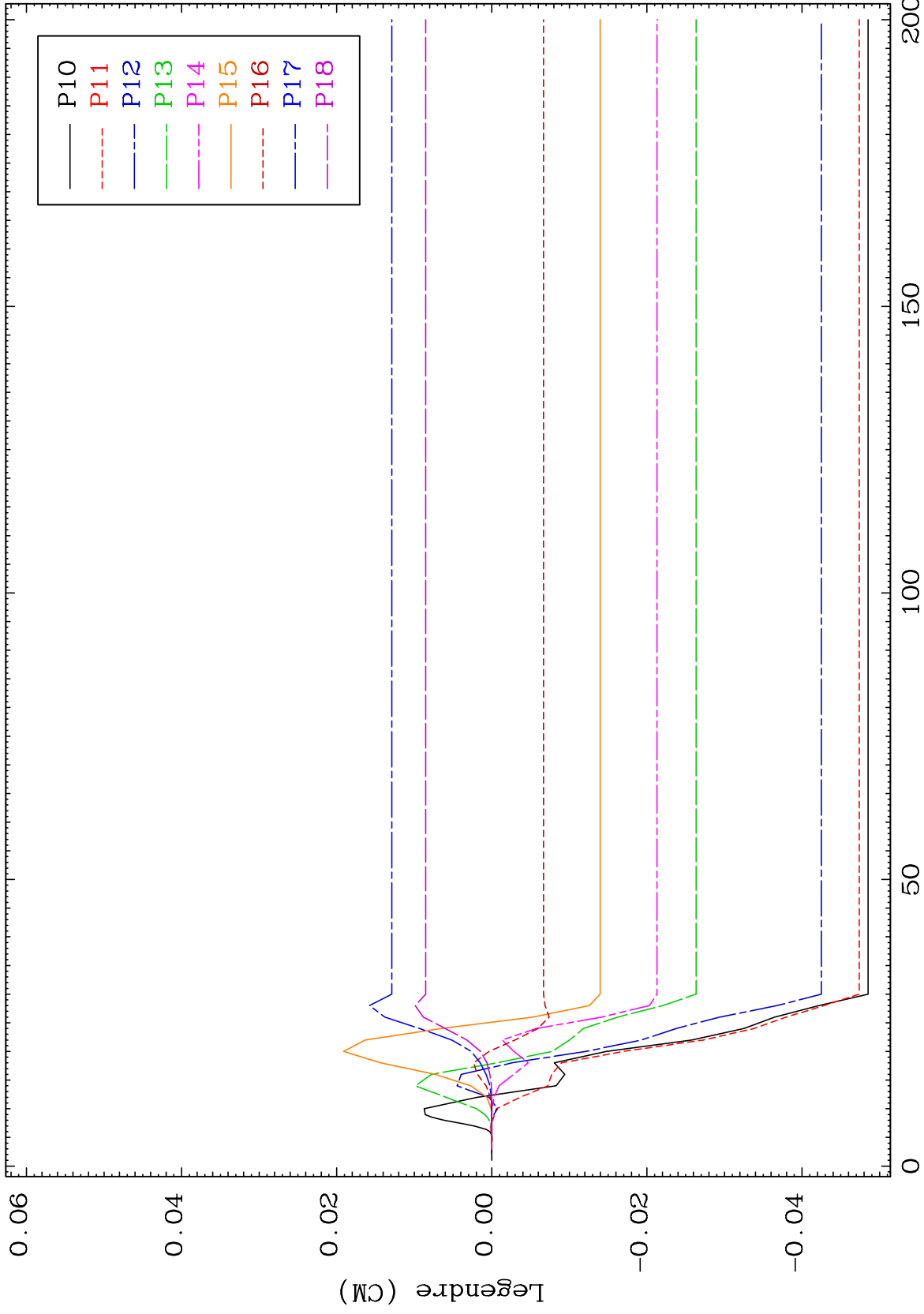
55-Cs-139



MAT 5543

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

55-Cs-139



26

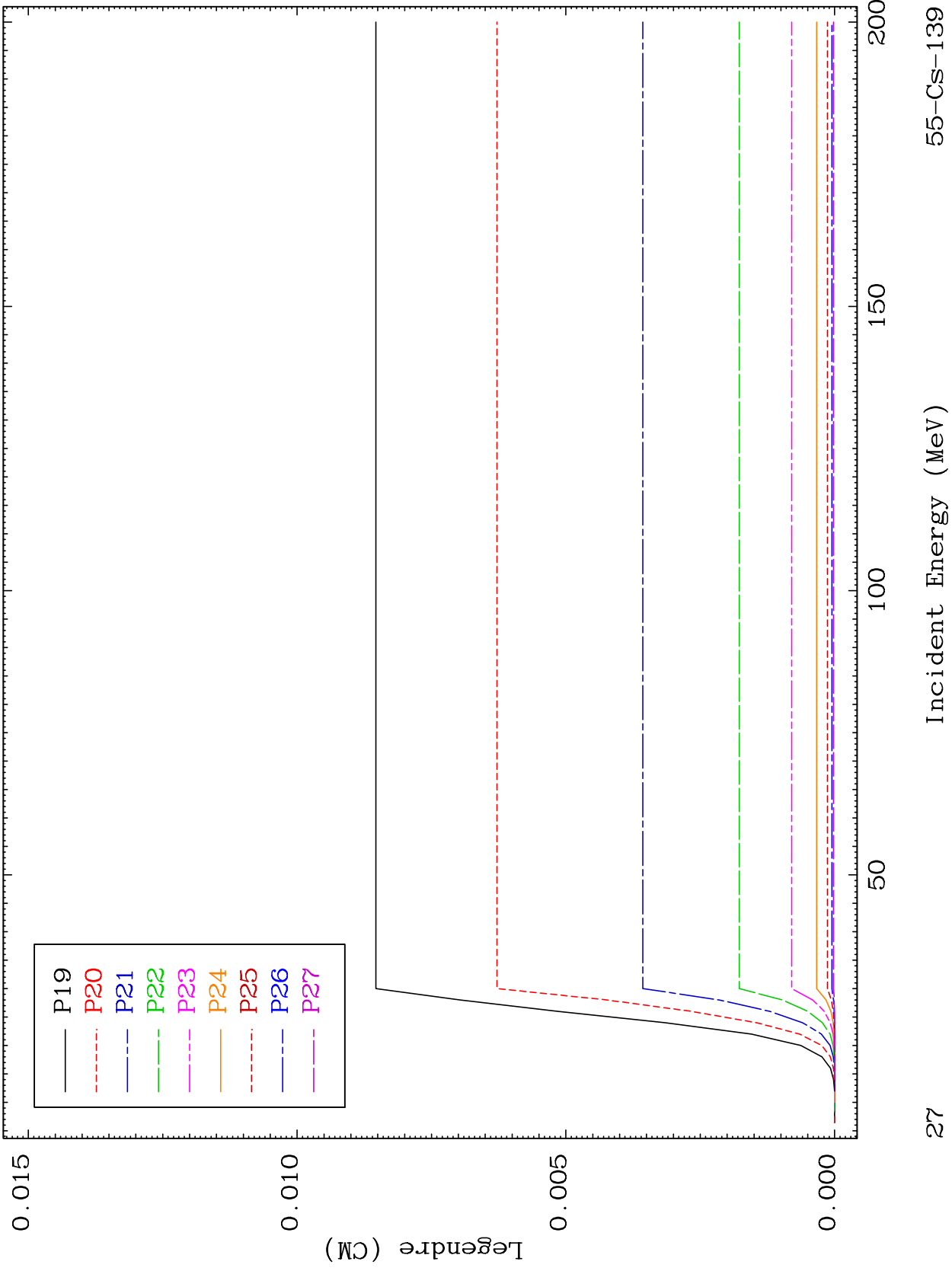
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139



27

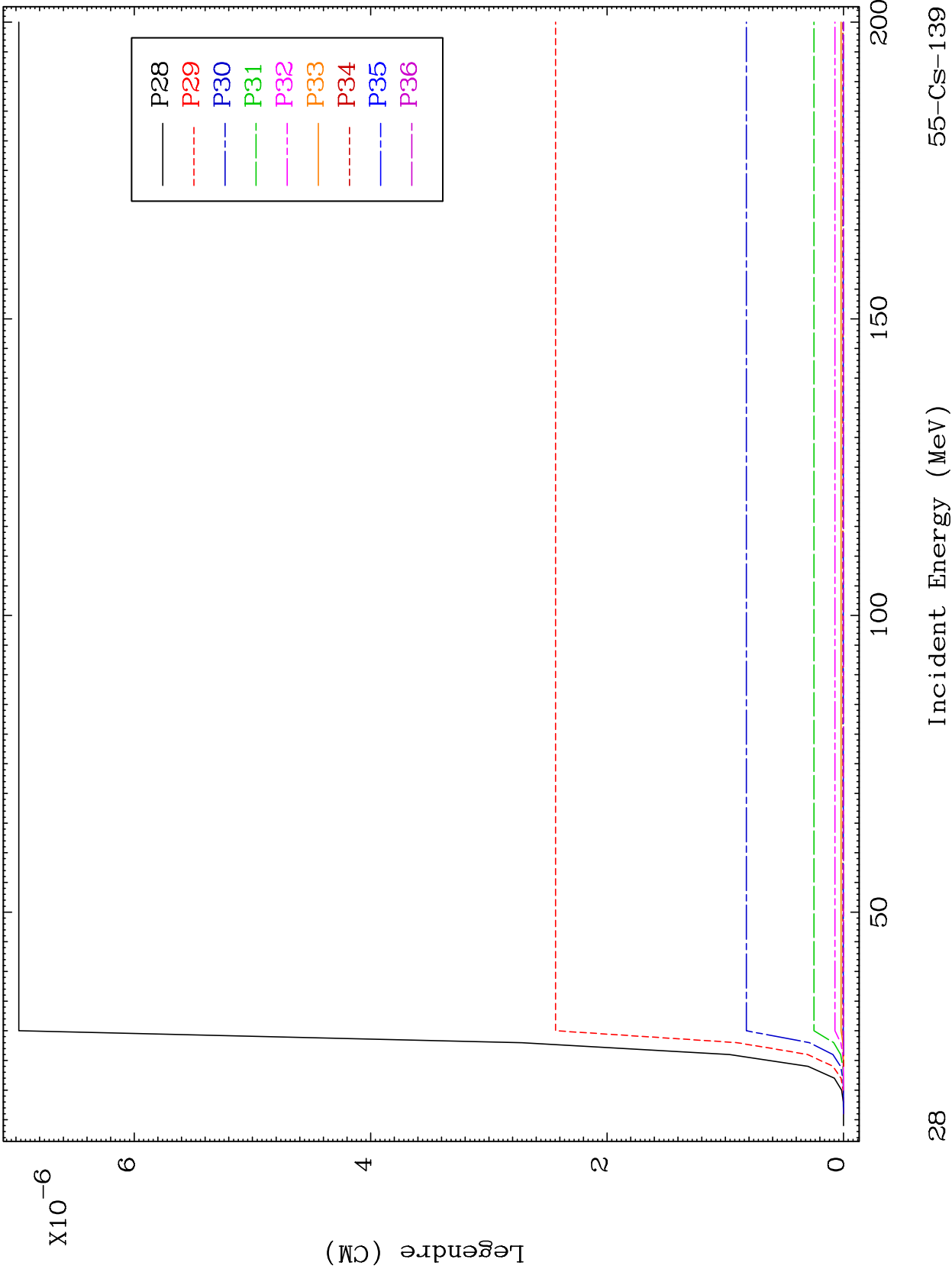
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139



28

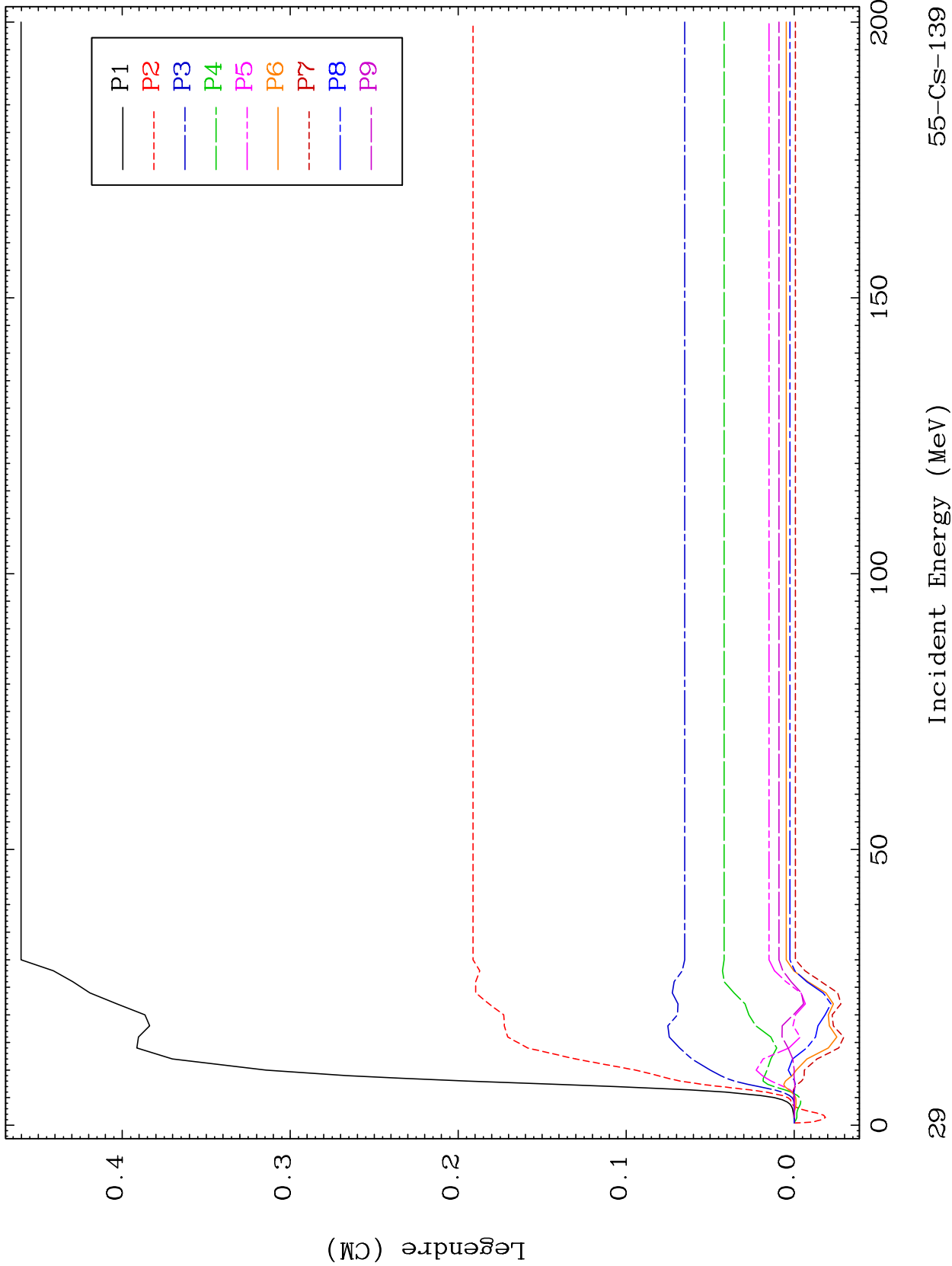
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139



55-Cs-139

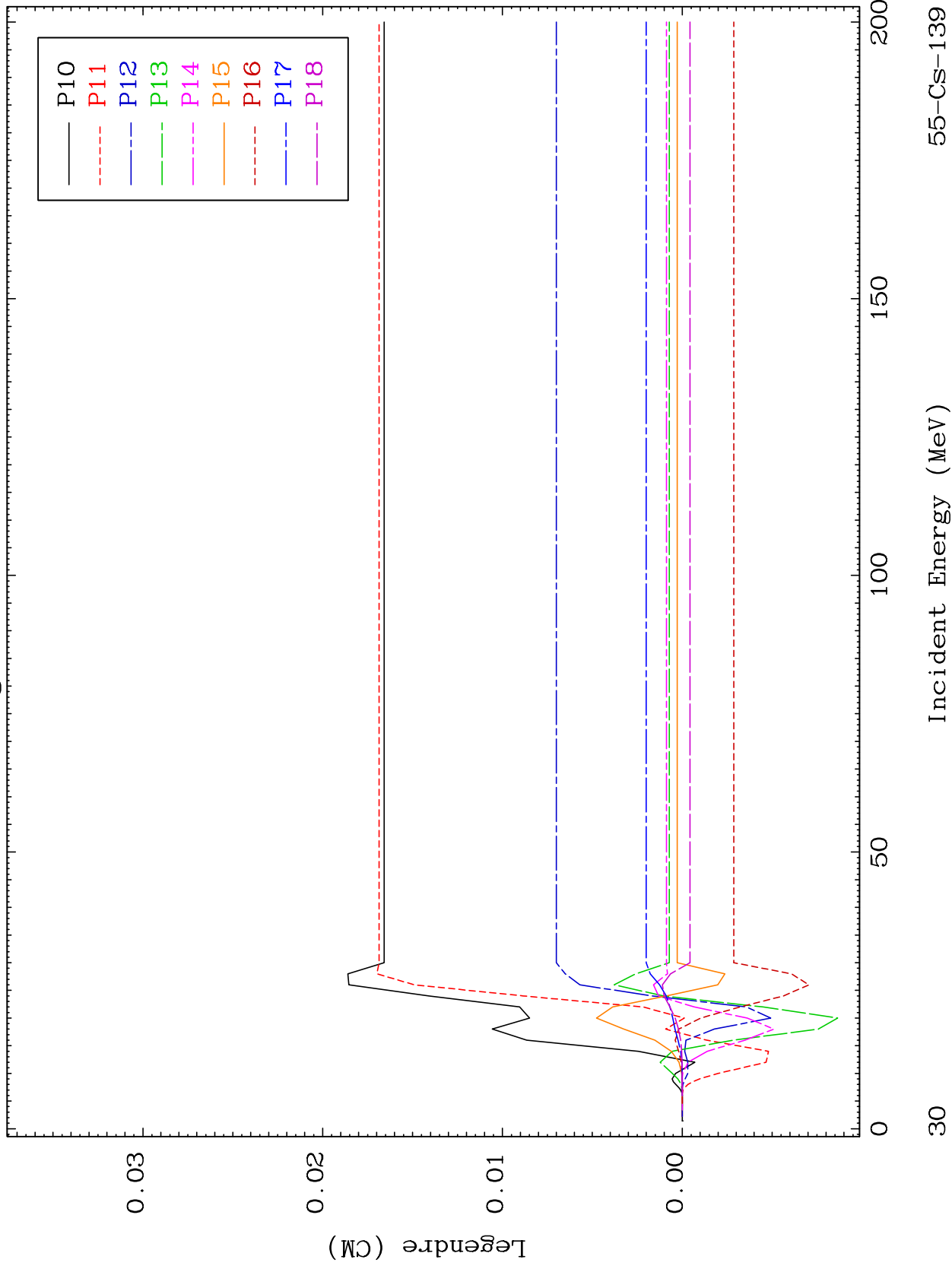
Incident Energy (MeV)

29

MAT 5543

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

55-Cs-139



55-Cs-139

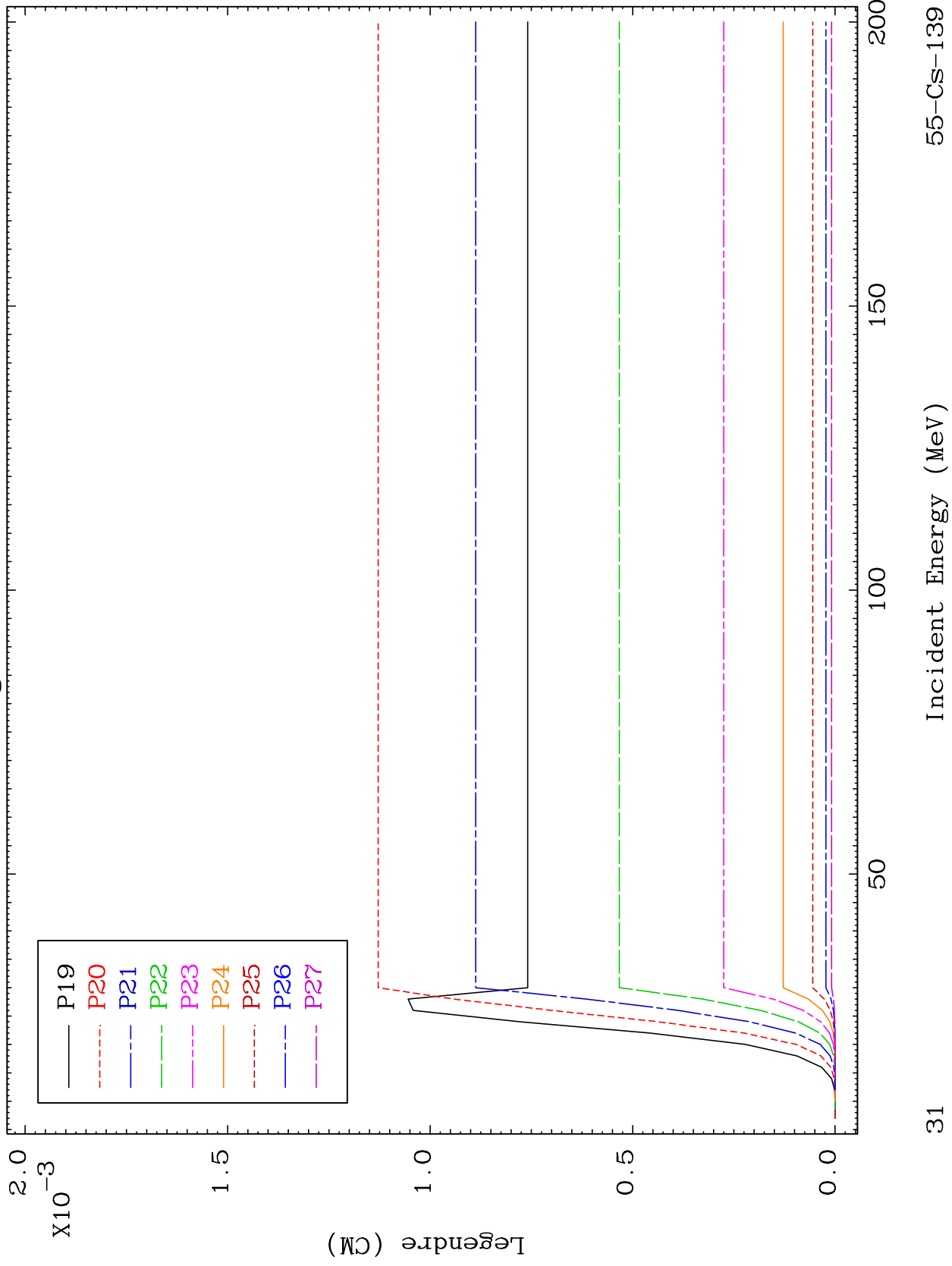
Incident Energy (MeV)

30

MAT 5543

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

55-Cs-139

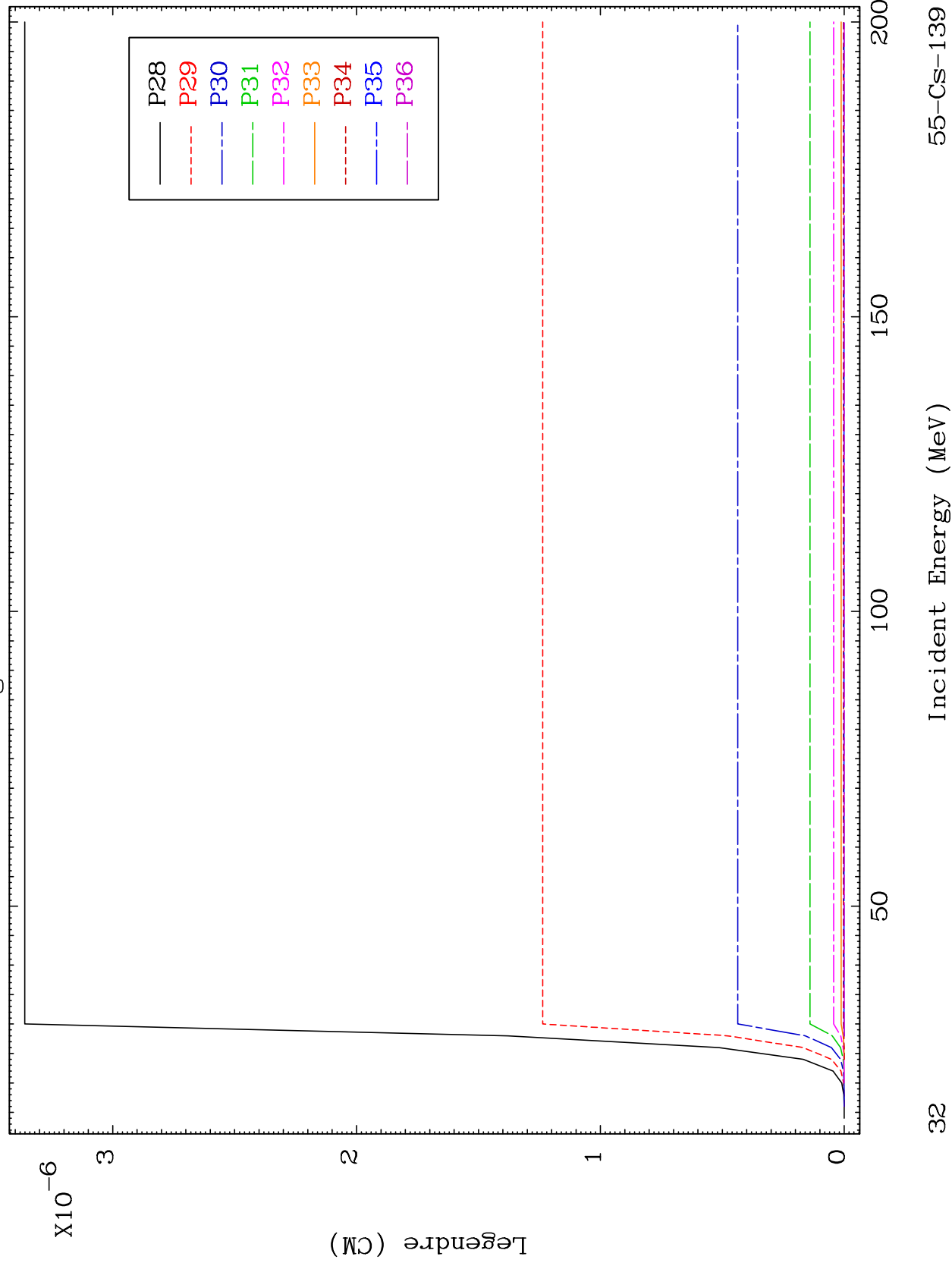




MAT 5543

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

55-Cs-139

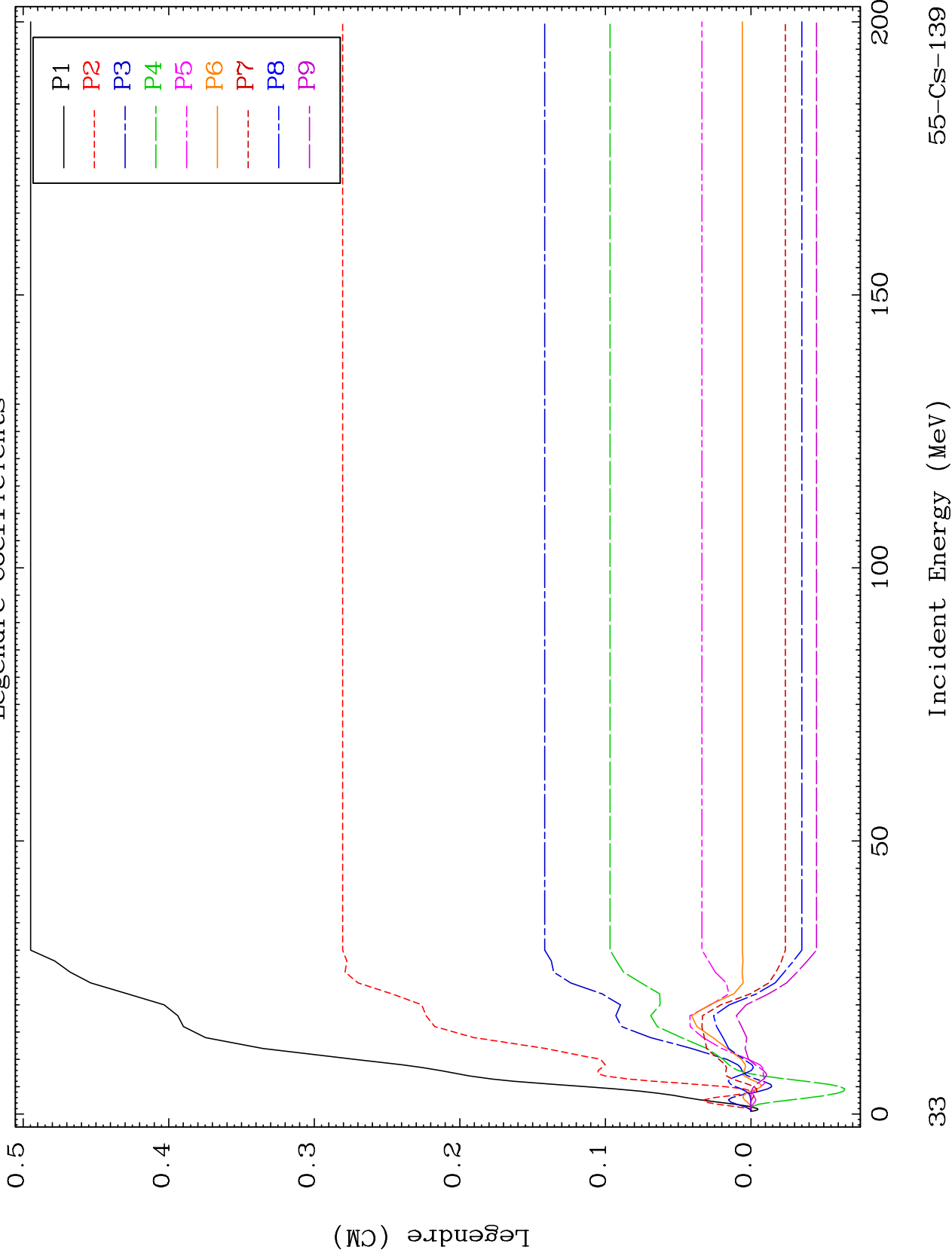


MAT 5543

MT= 54 (n,n') Level

55-Cs-139

Legendre Coefficients



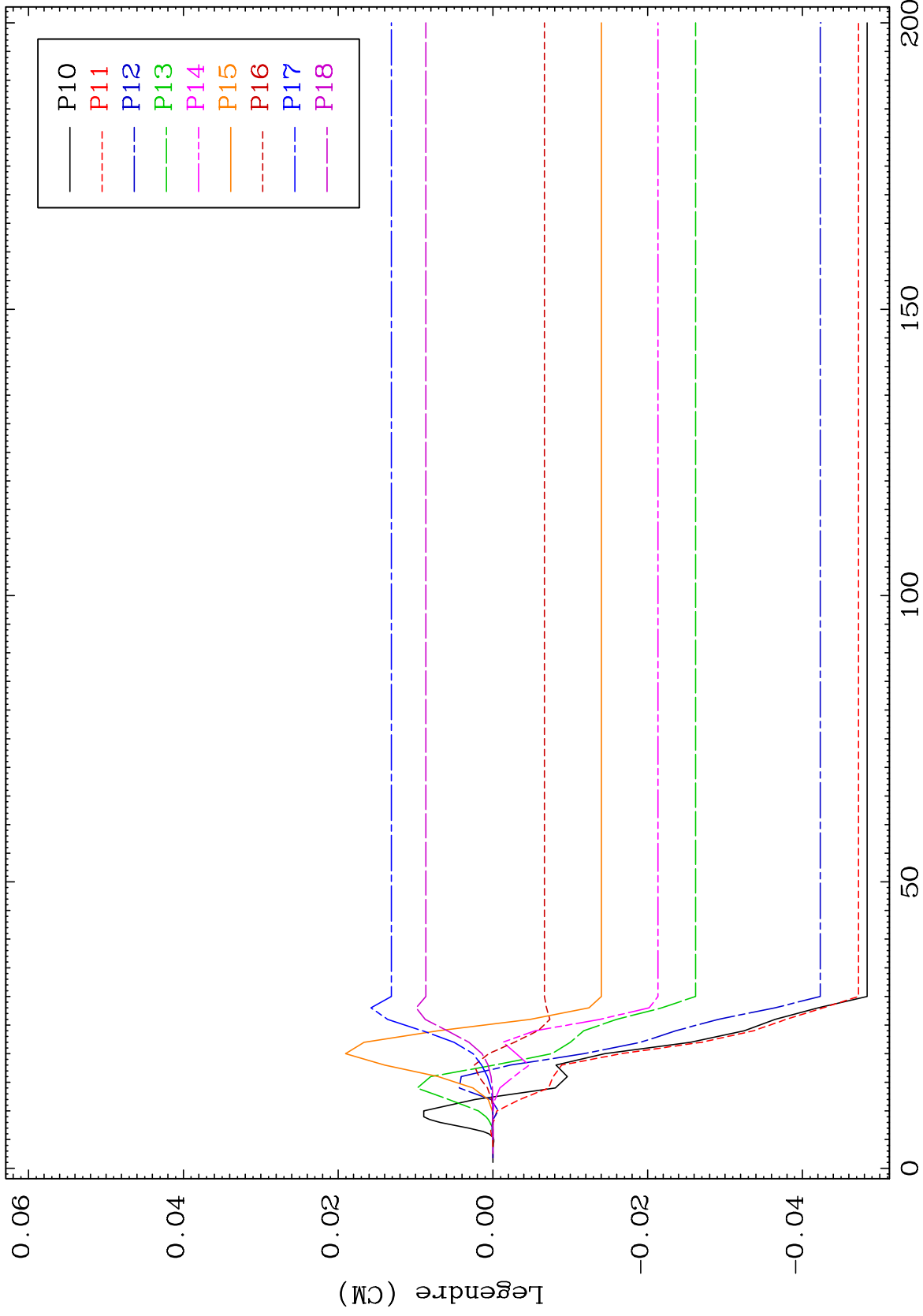
33

55-Cs-139

MAT 5543

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

55-Cs-139



34

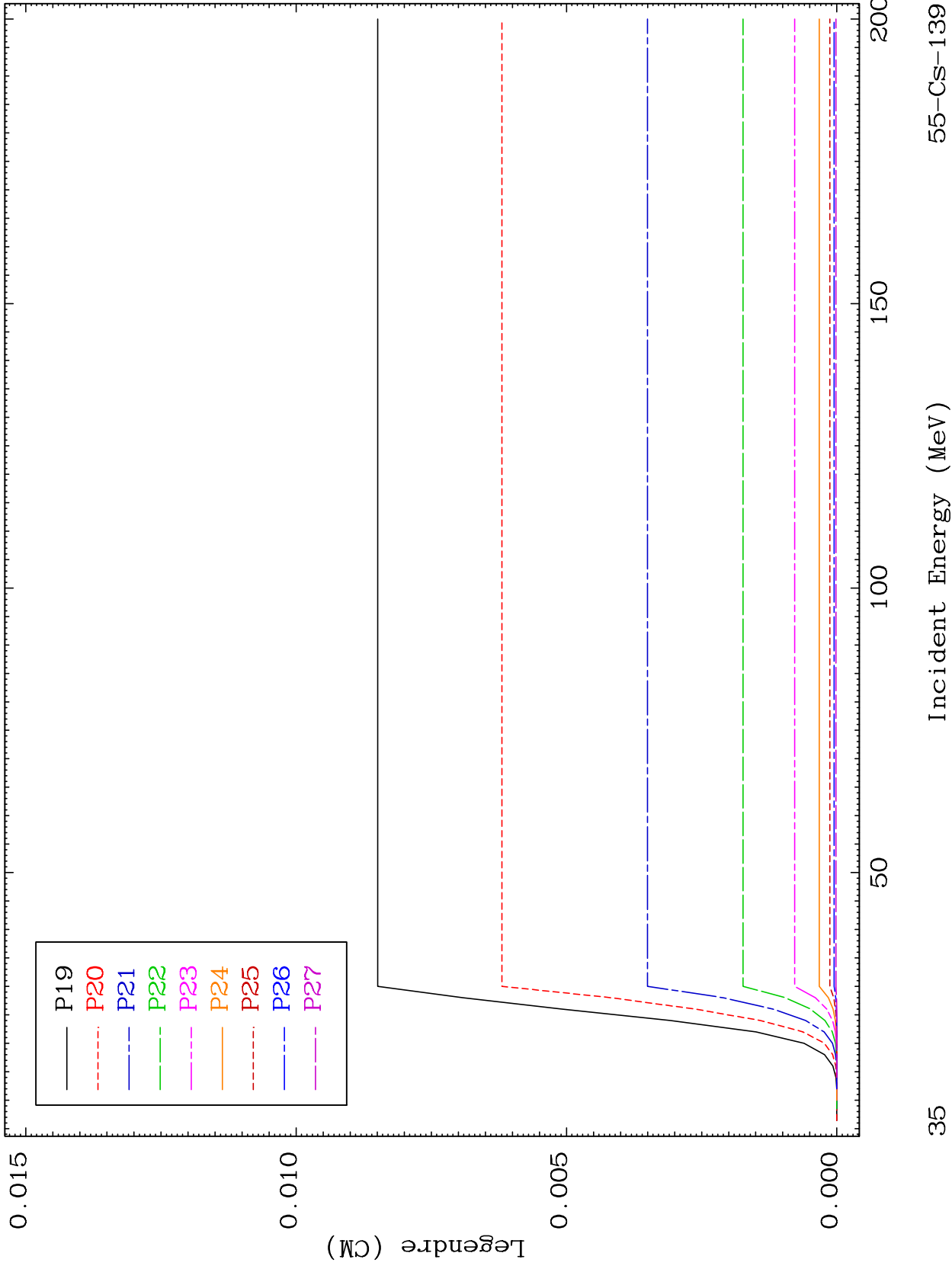
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139



35

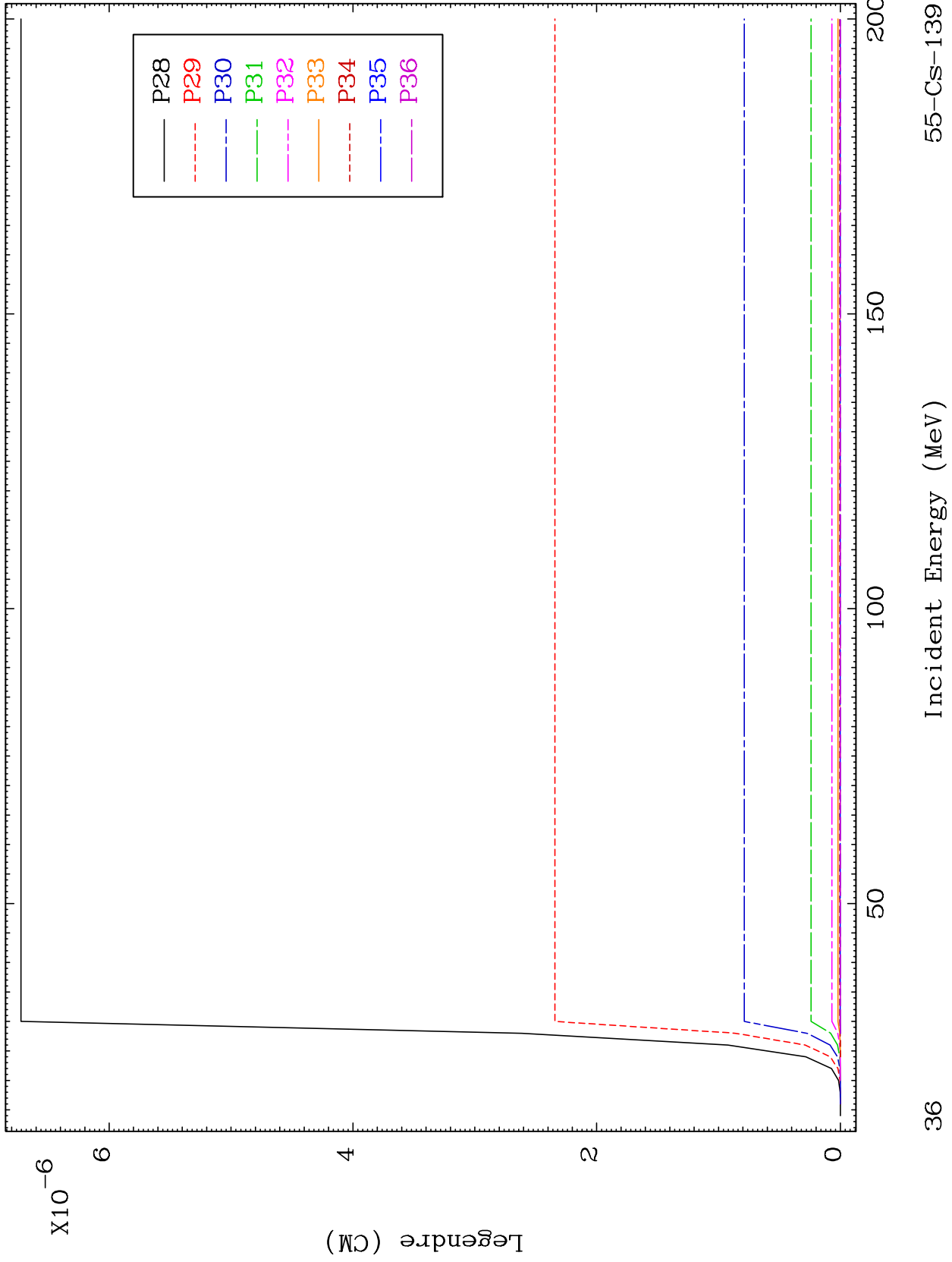
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139

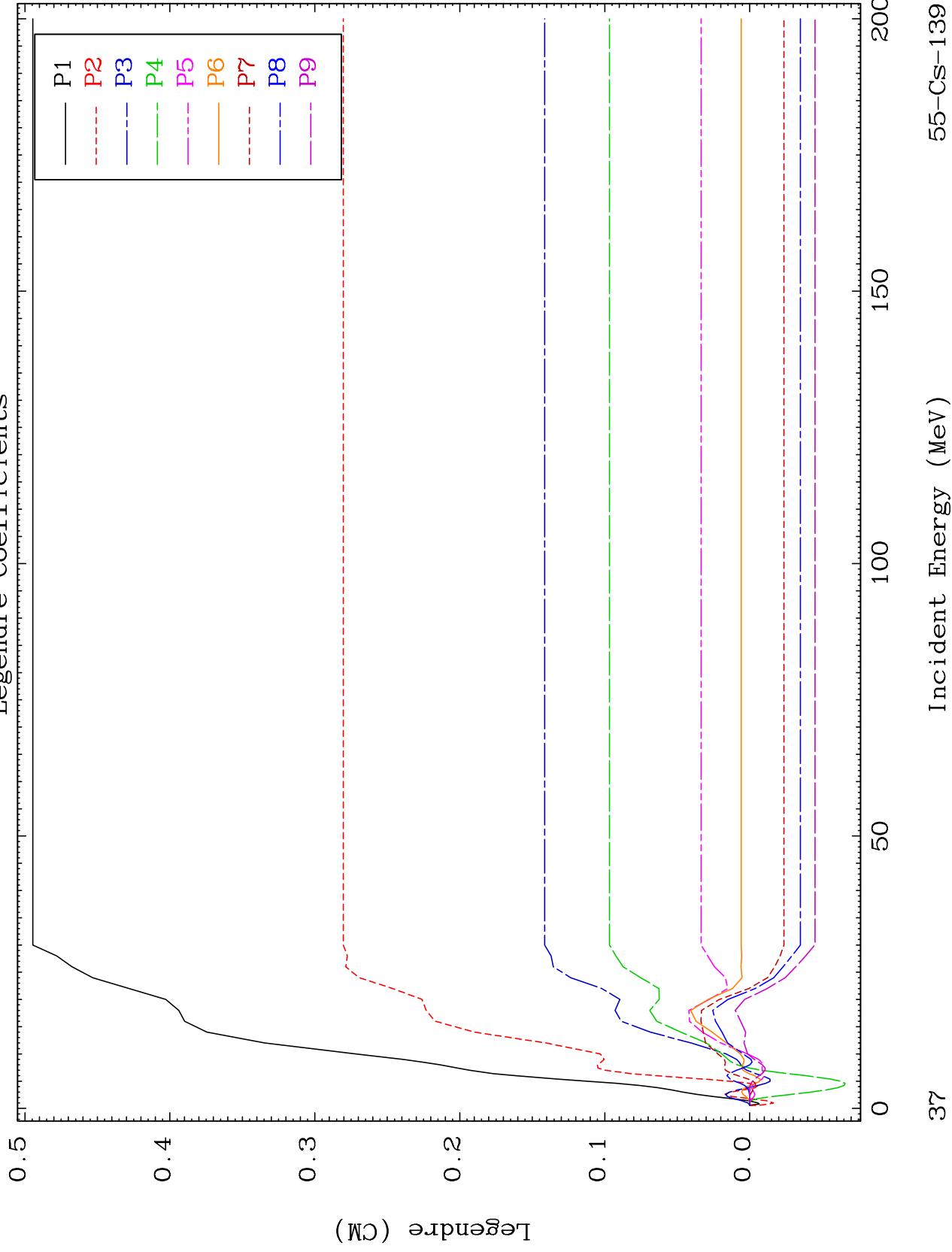


MAT 5543

MT= 55 (n,n') Level

55-Cs-139

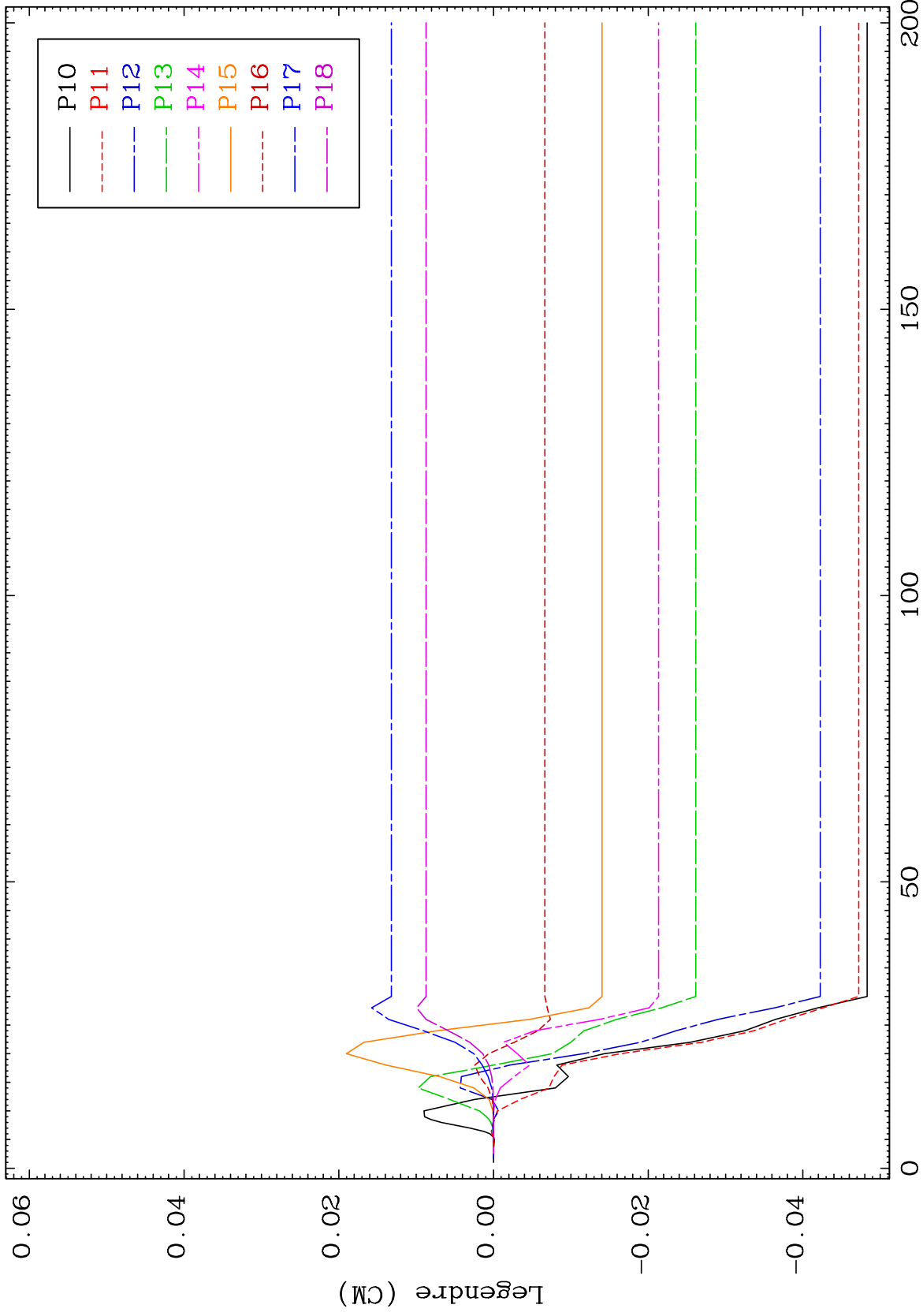
Legendre Coefficients



MAT 5543

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

55-Cs-139



38

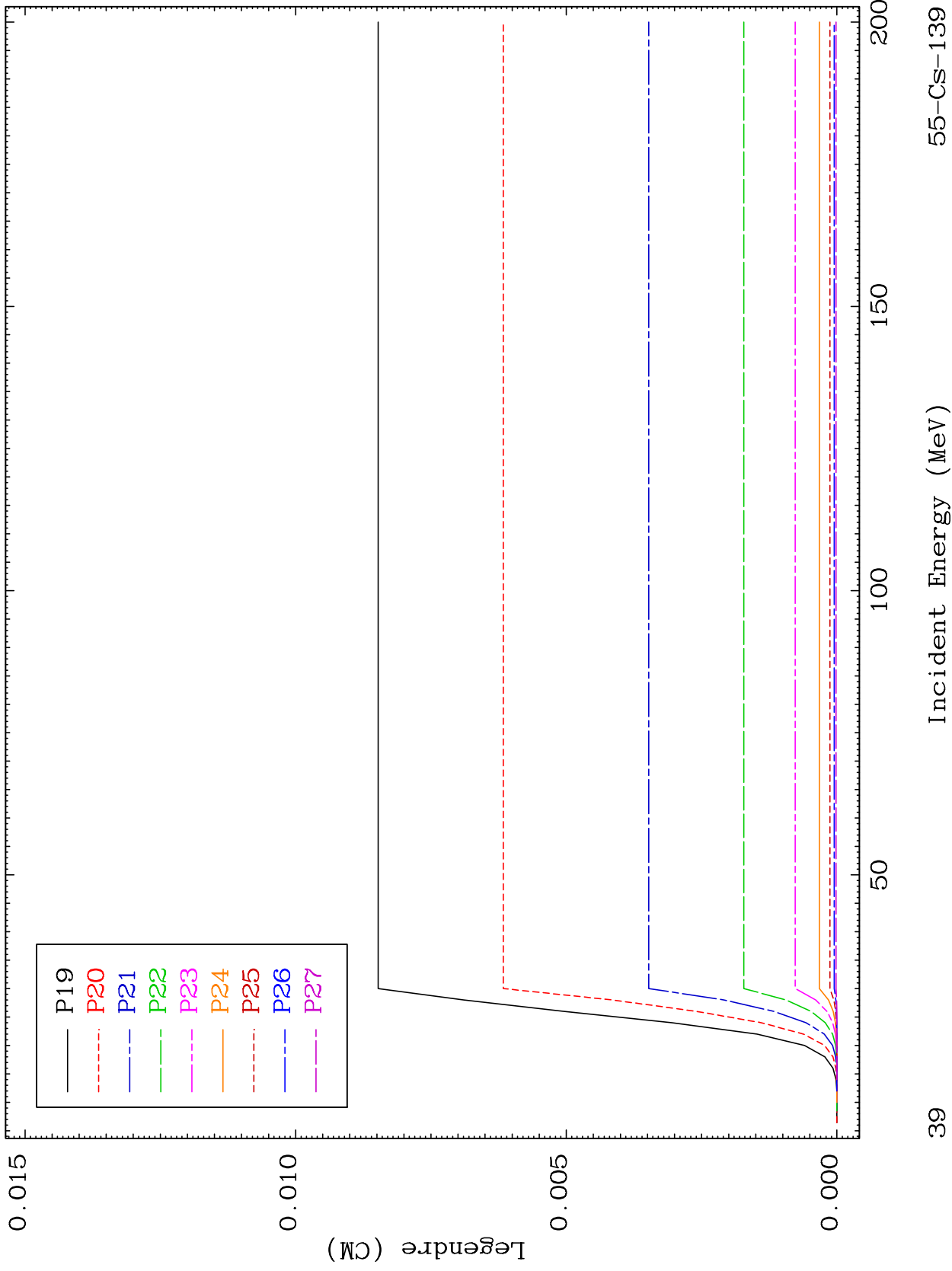
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139



39

Incident Energy (MeV)

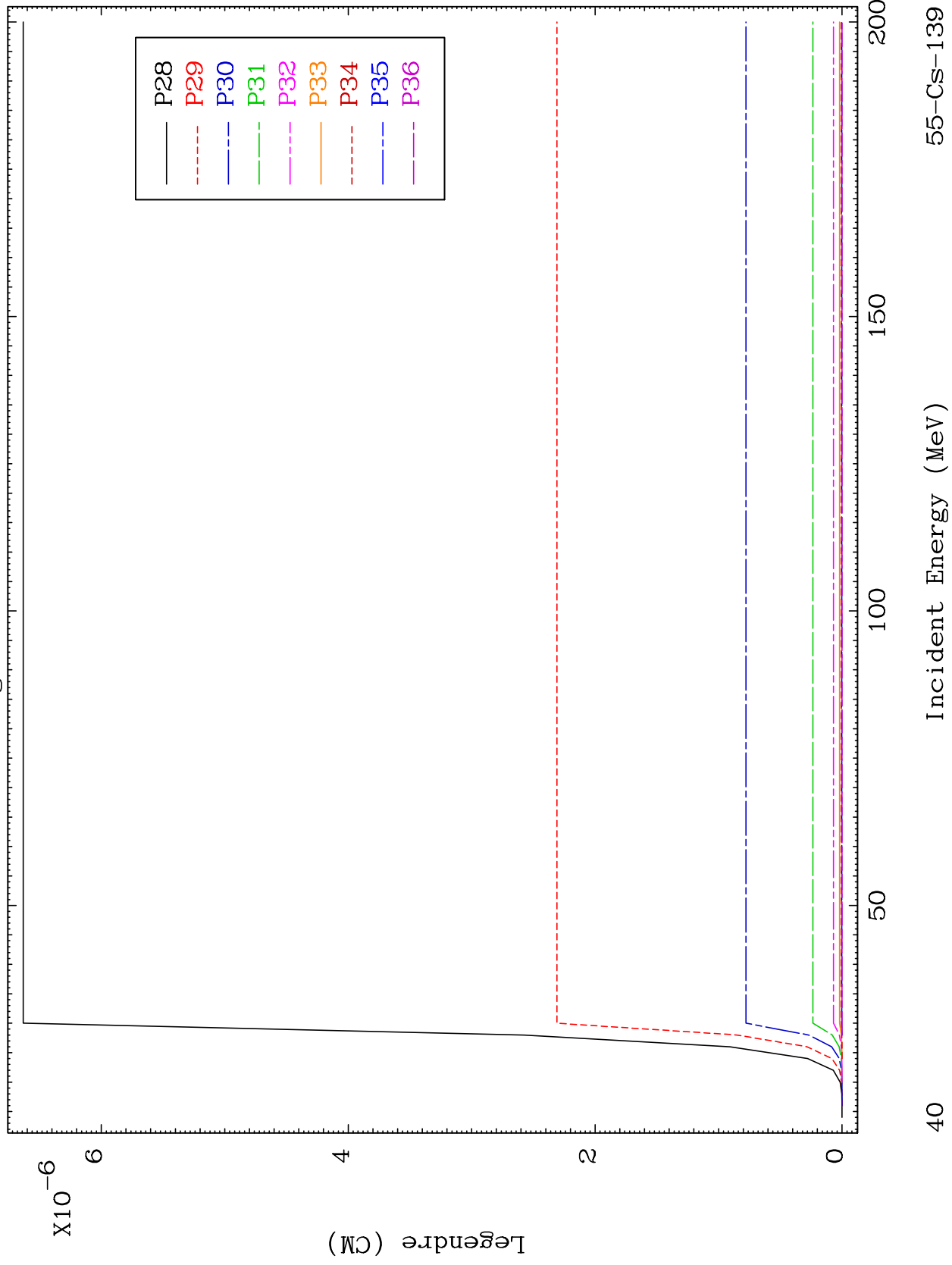
55-Cs-139



MAT 5543

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

55-Cs-139

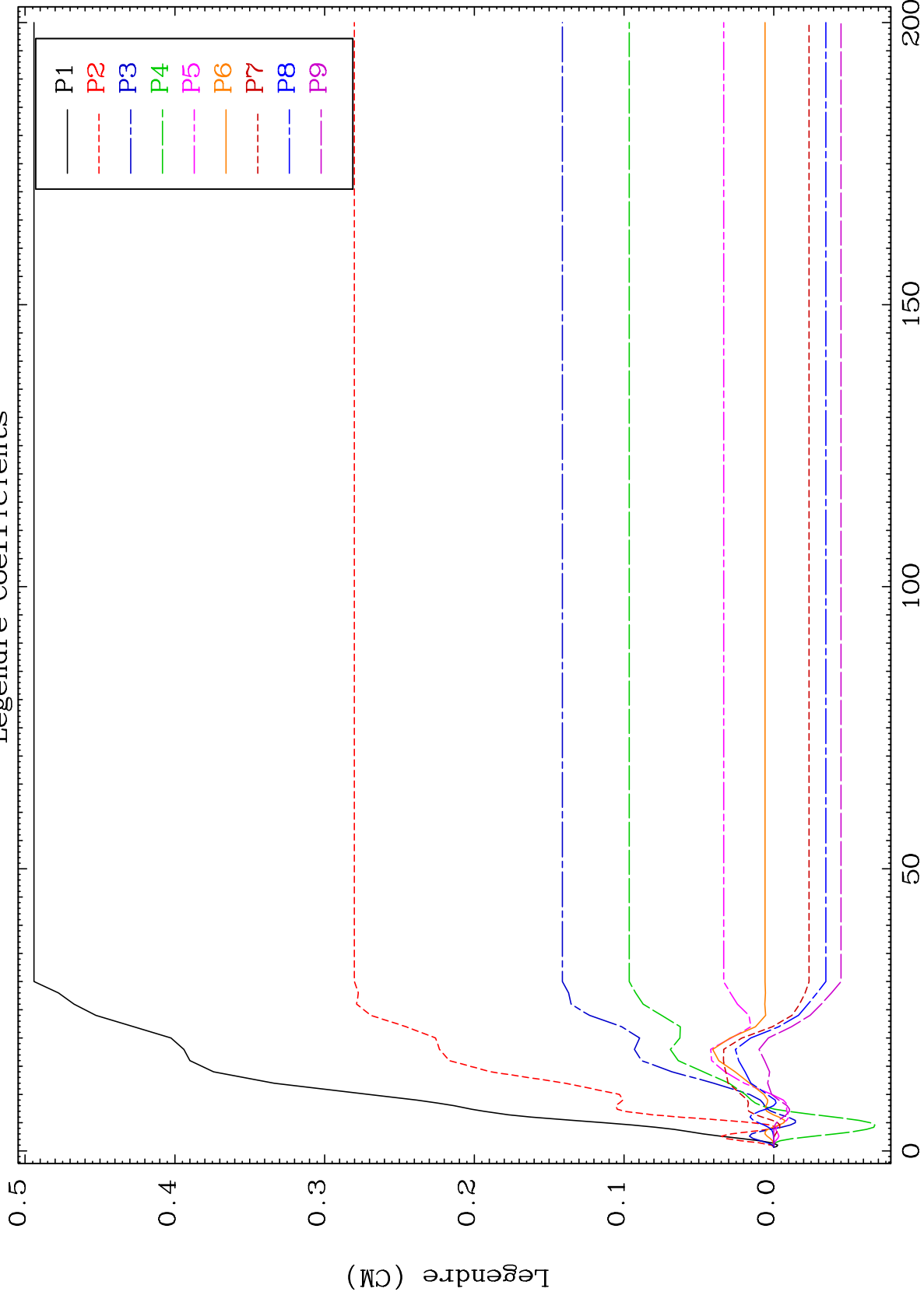


55-Cs-139

MAT 5543

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

55-Cs-139



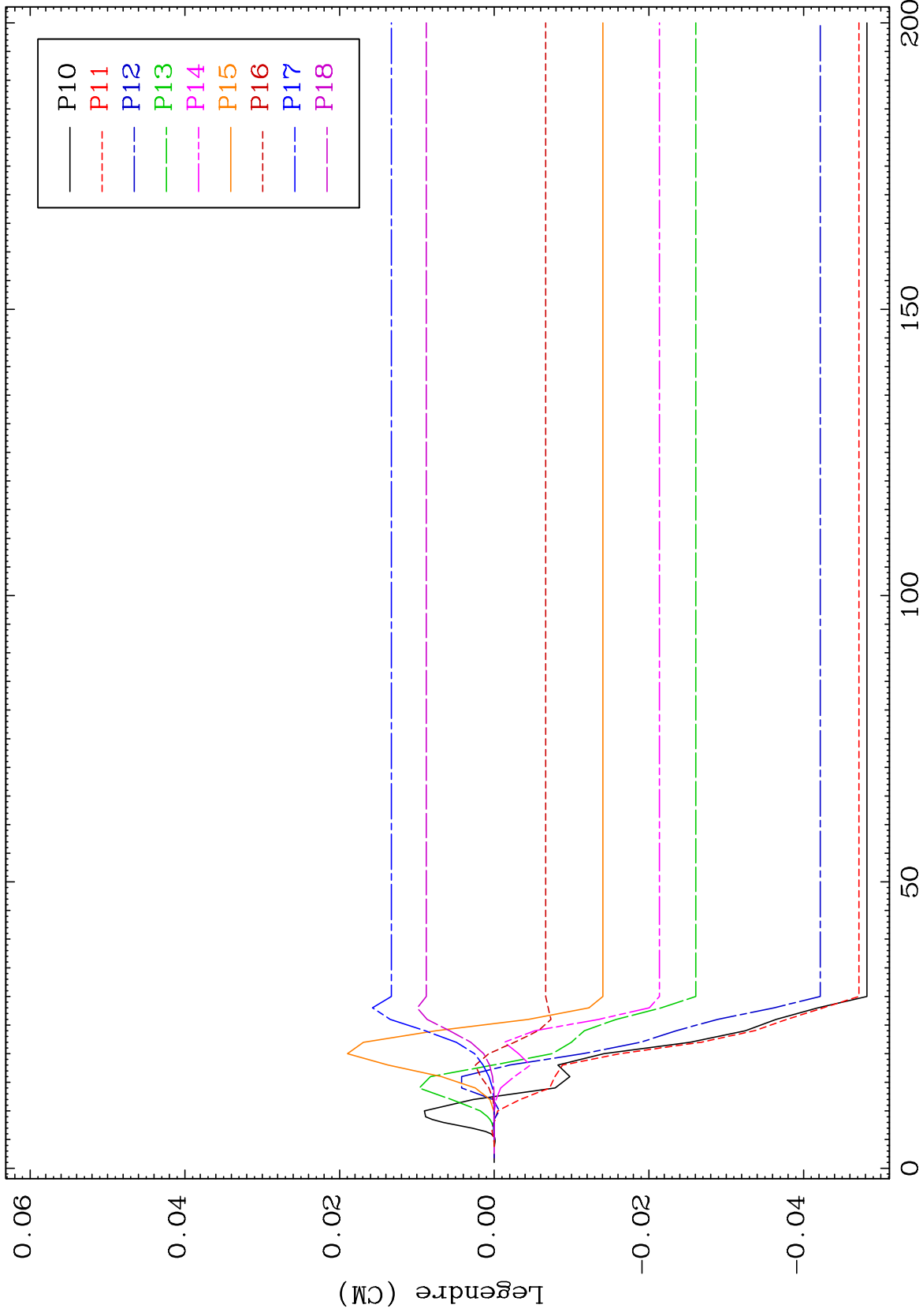
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55-Cs-139

MAT 5543

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

55-Cs-139



42

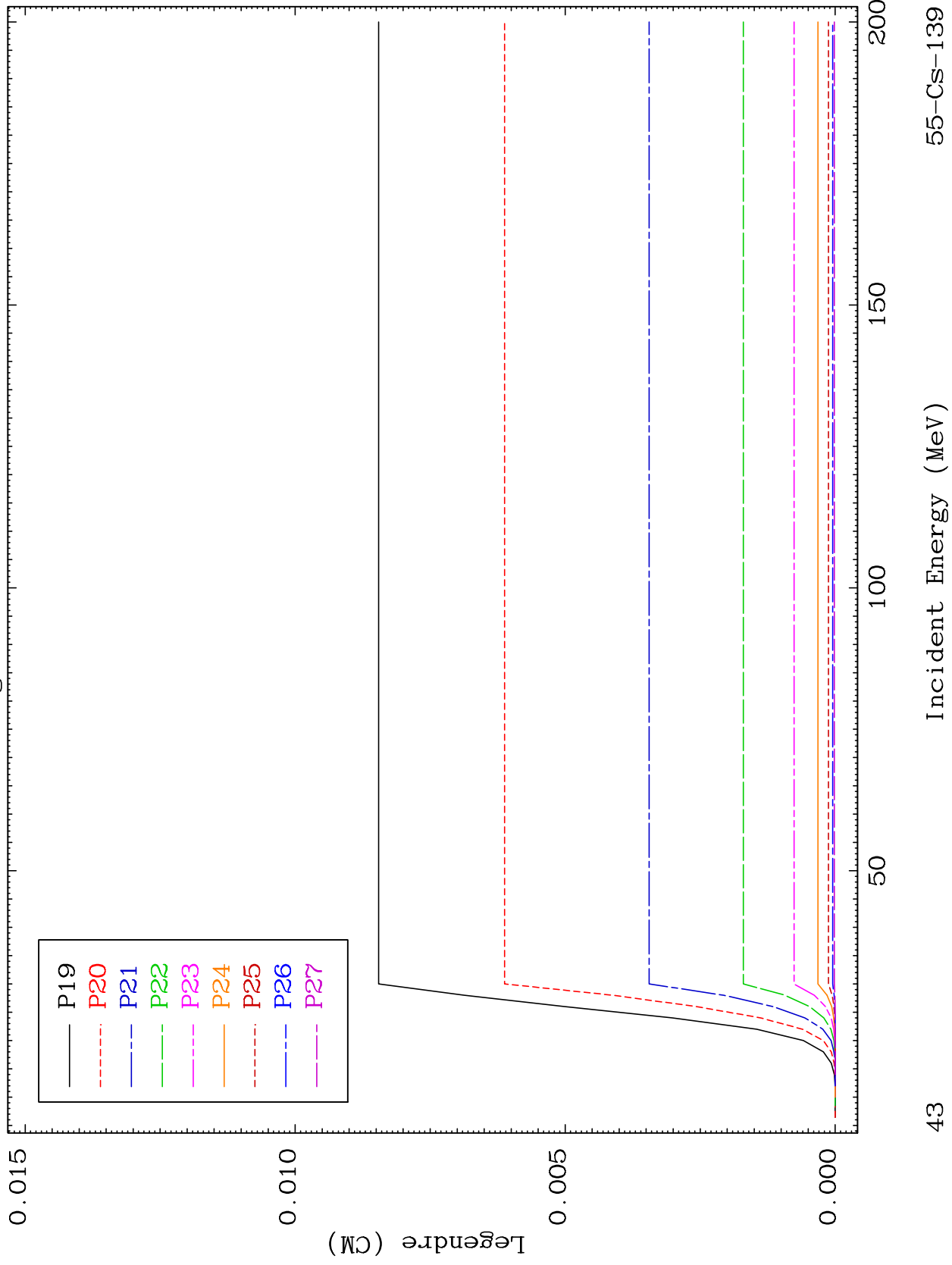
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139



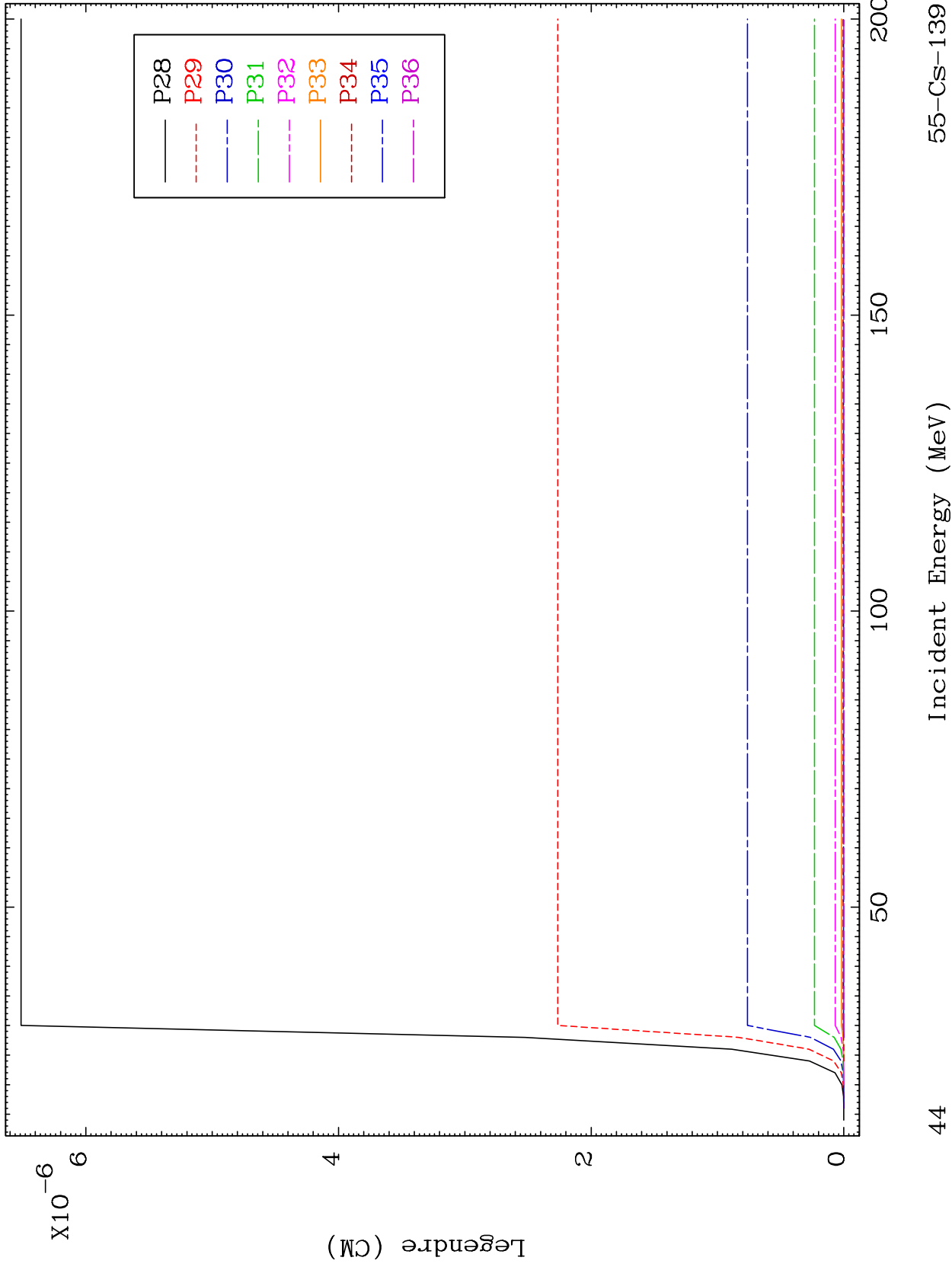
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55-Cs-139

MAT 5543

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

55-Cs-139



44

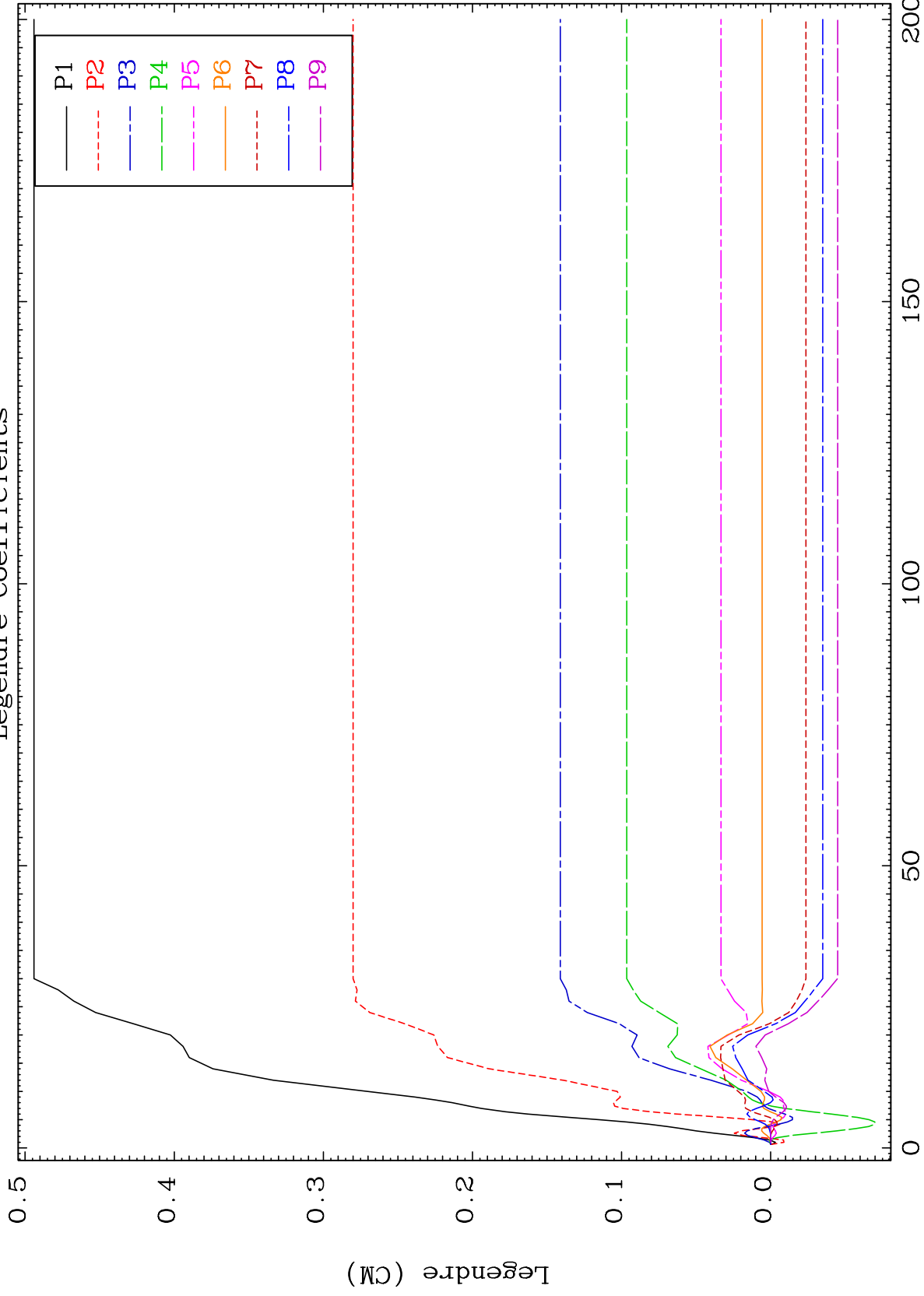
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139



45

Incident Energy (MeV)

0

50

100

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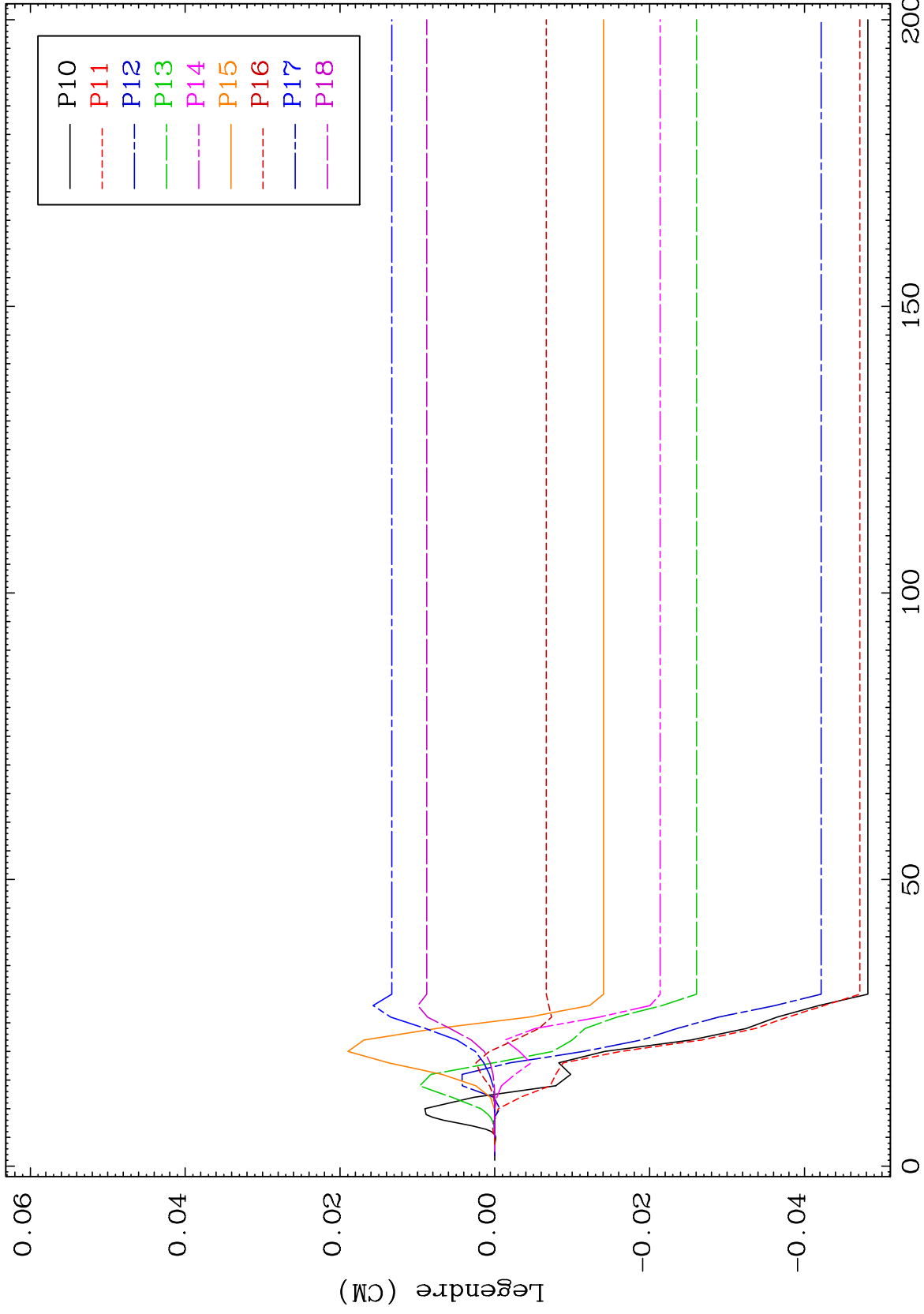
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55-Cs-139

MAT 5543

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

55-Cs-139



46

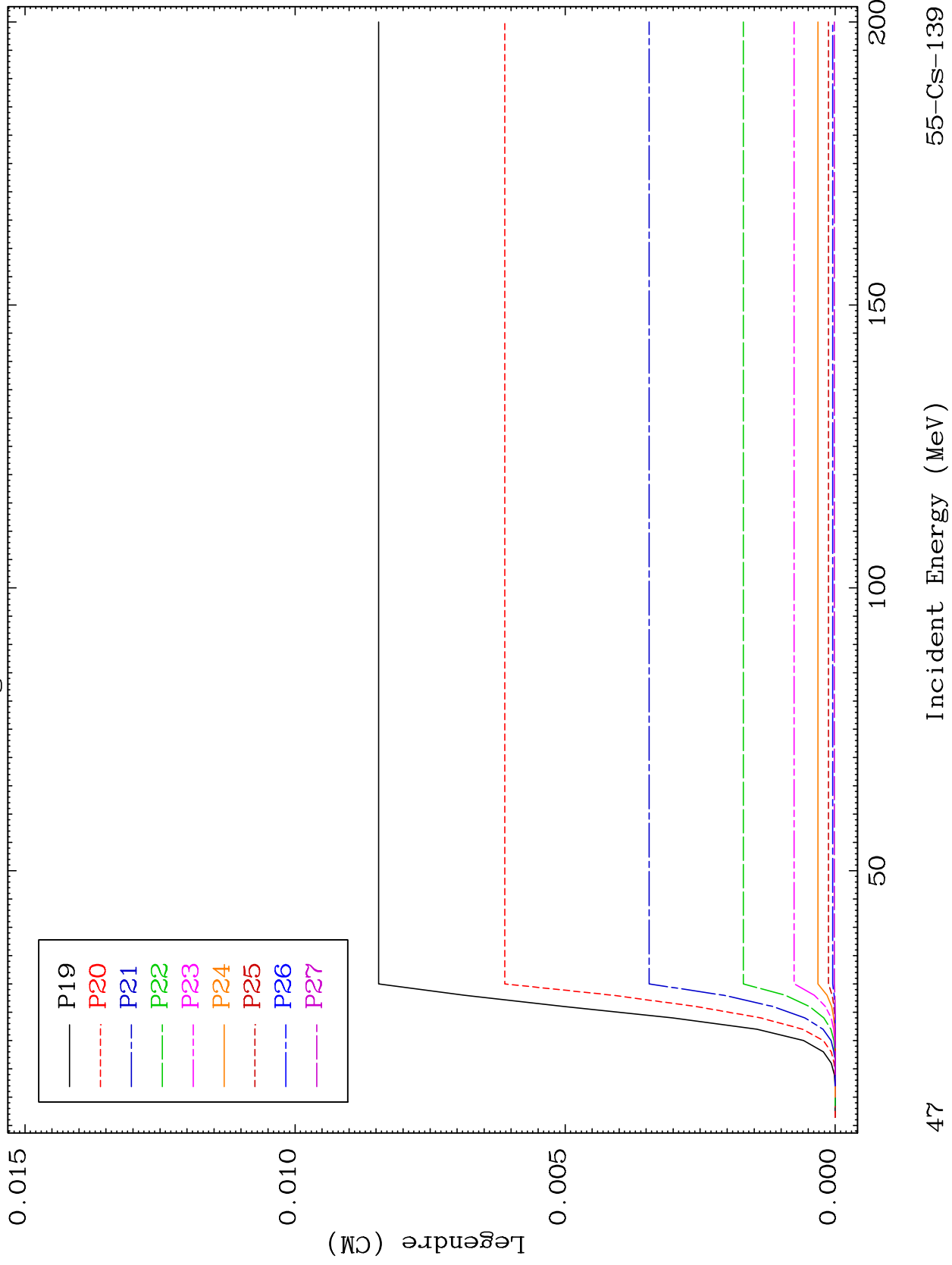
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139



47

Incident Energy (MeV)

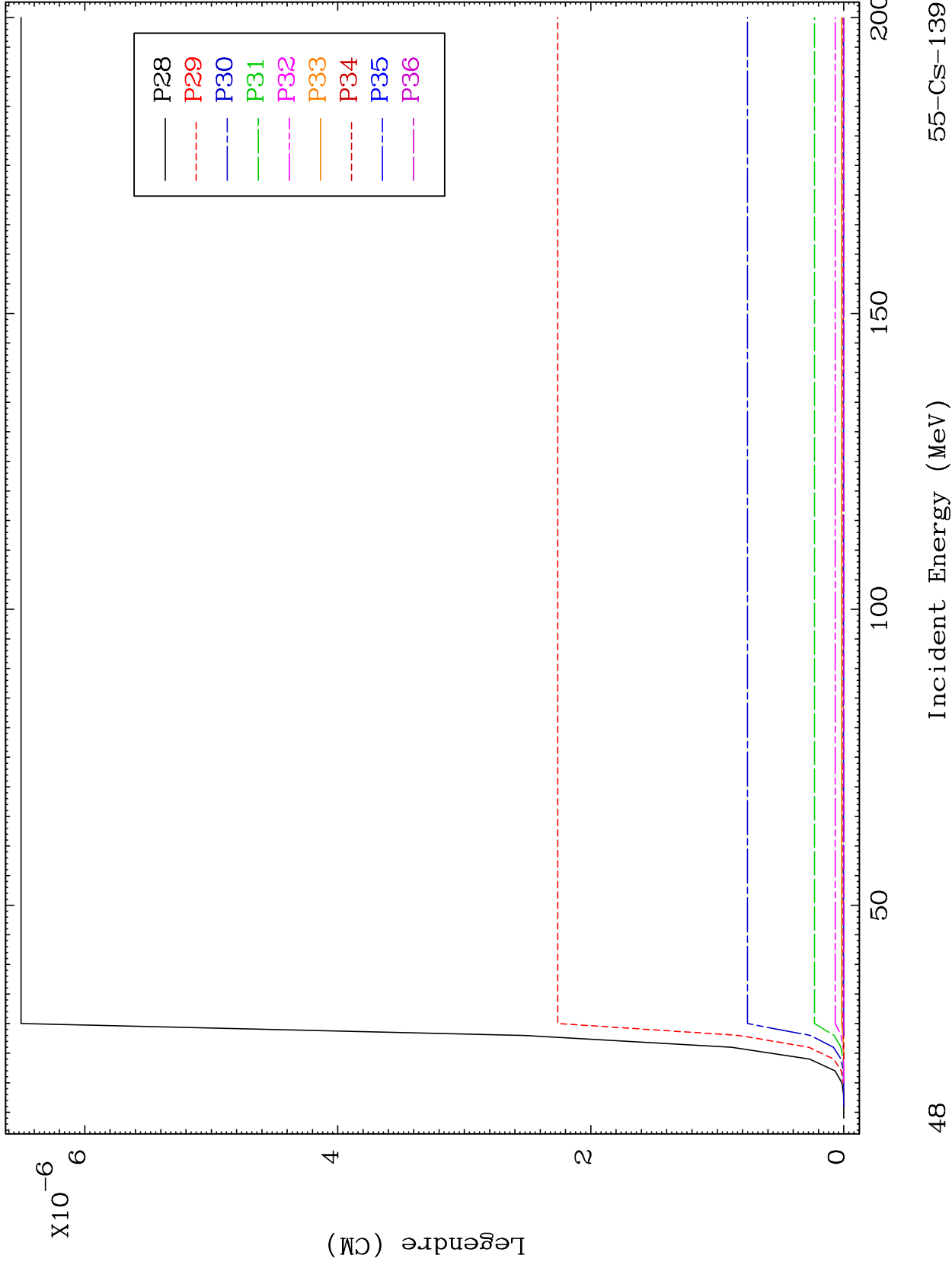
55-Cs-139



MAT 5543

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

55-Cs-139



48

Incident Energy (MeV)

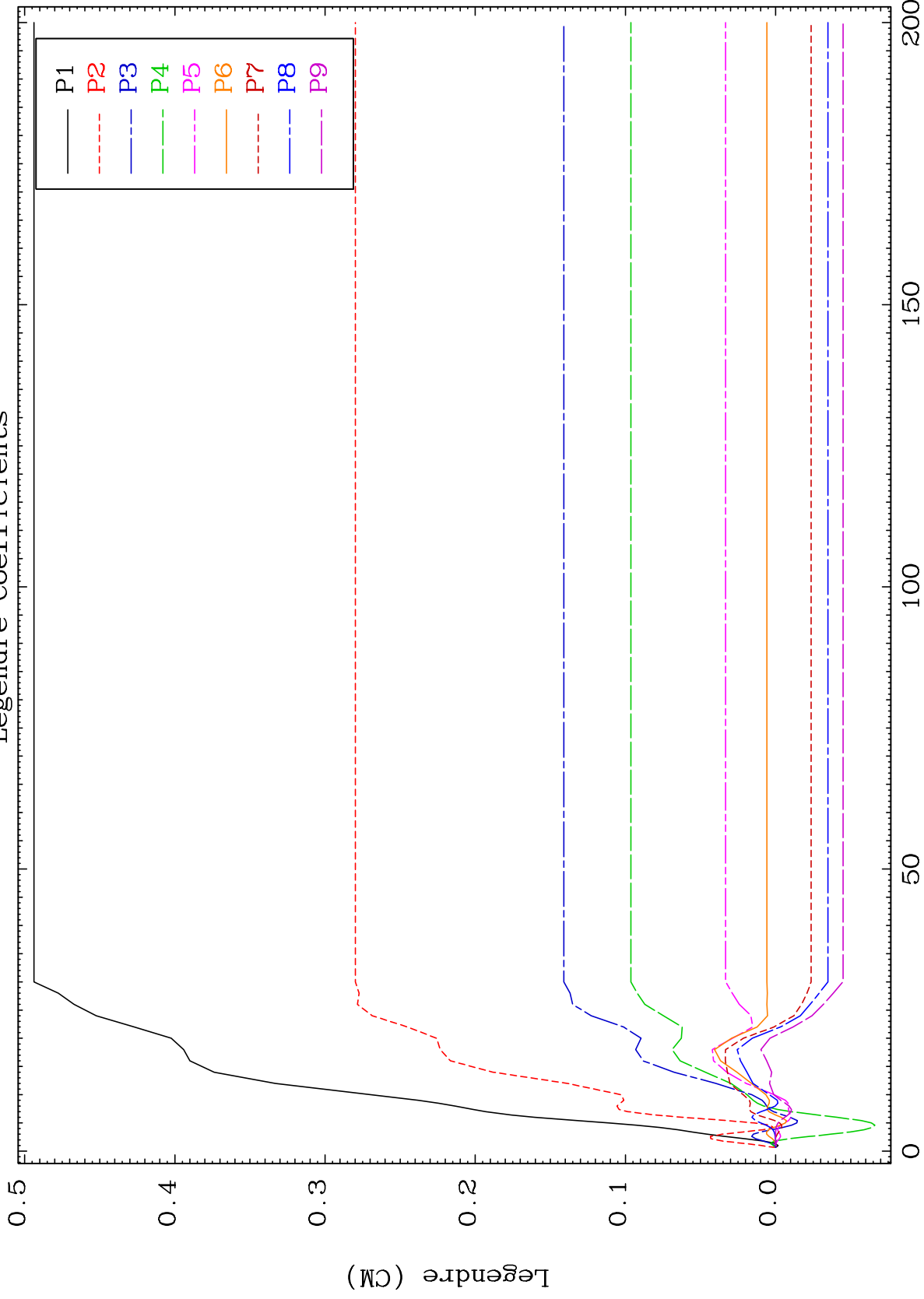
55-Cs-139

MAT 5543

MT= 58 (n,n') Level

55-Cs-139

Legendre Coefficients



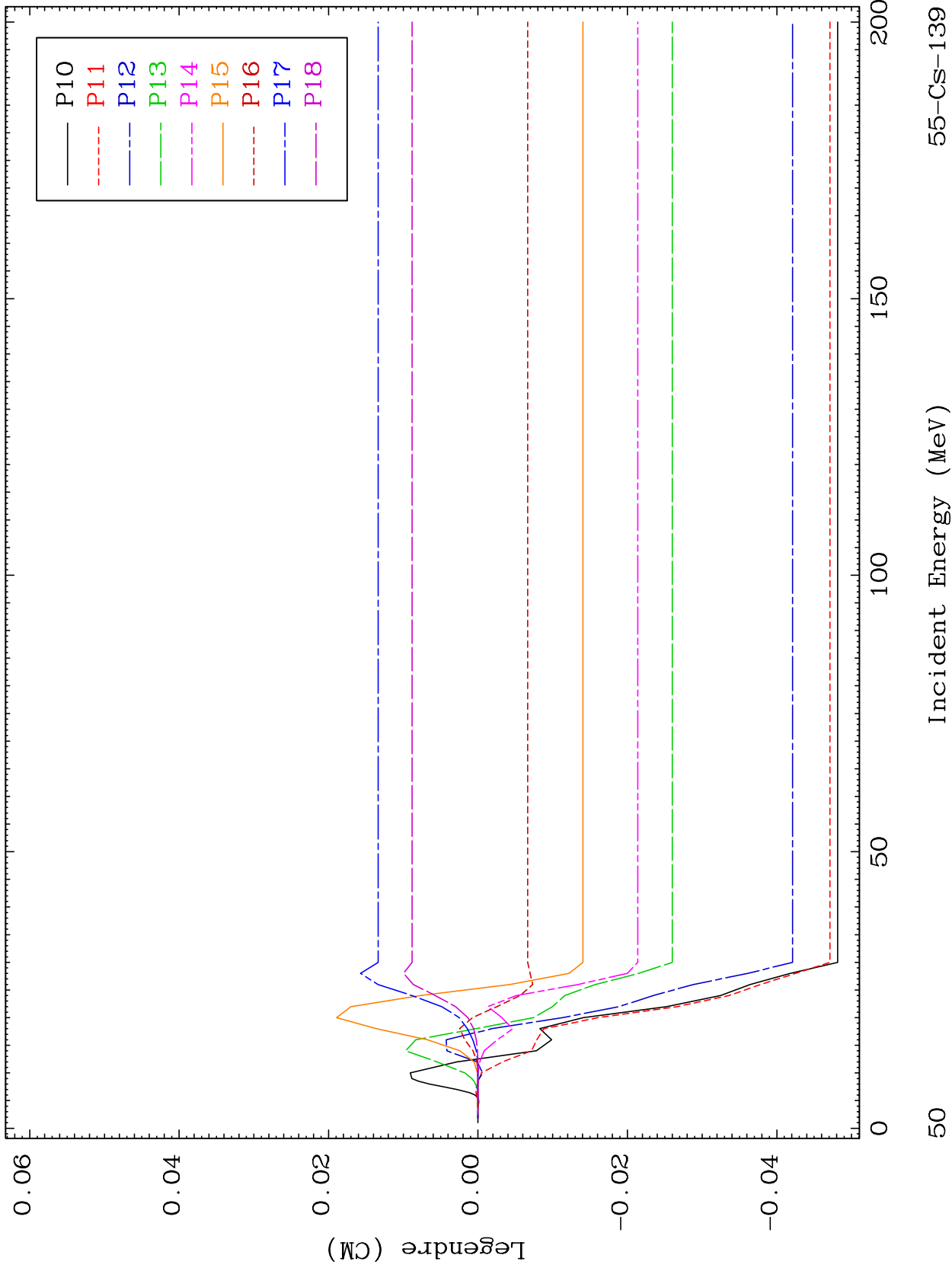
49

55-Cs-139

MAT 5543

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

55-Cs-139

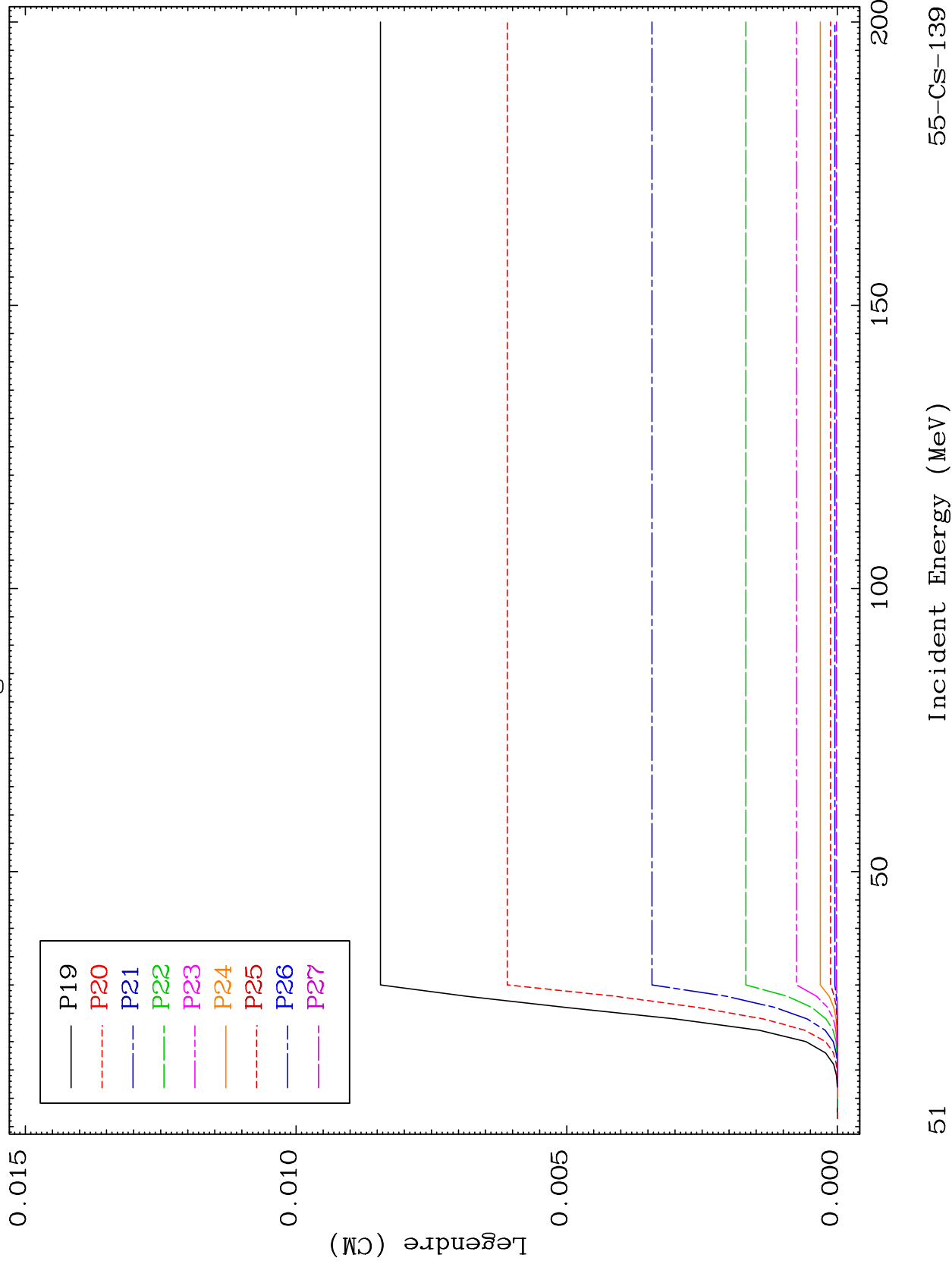


55-Cs-139

MAT 5543

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

55-Cs-139



51

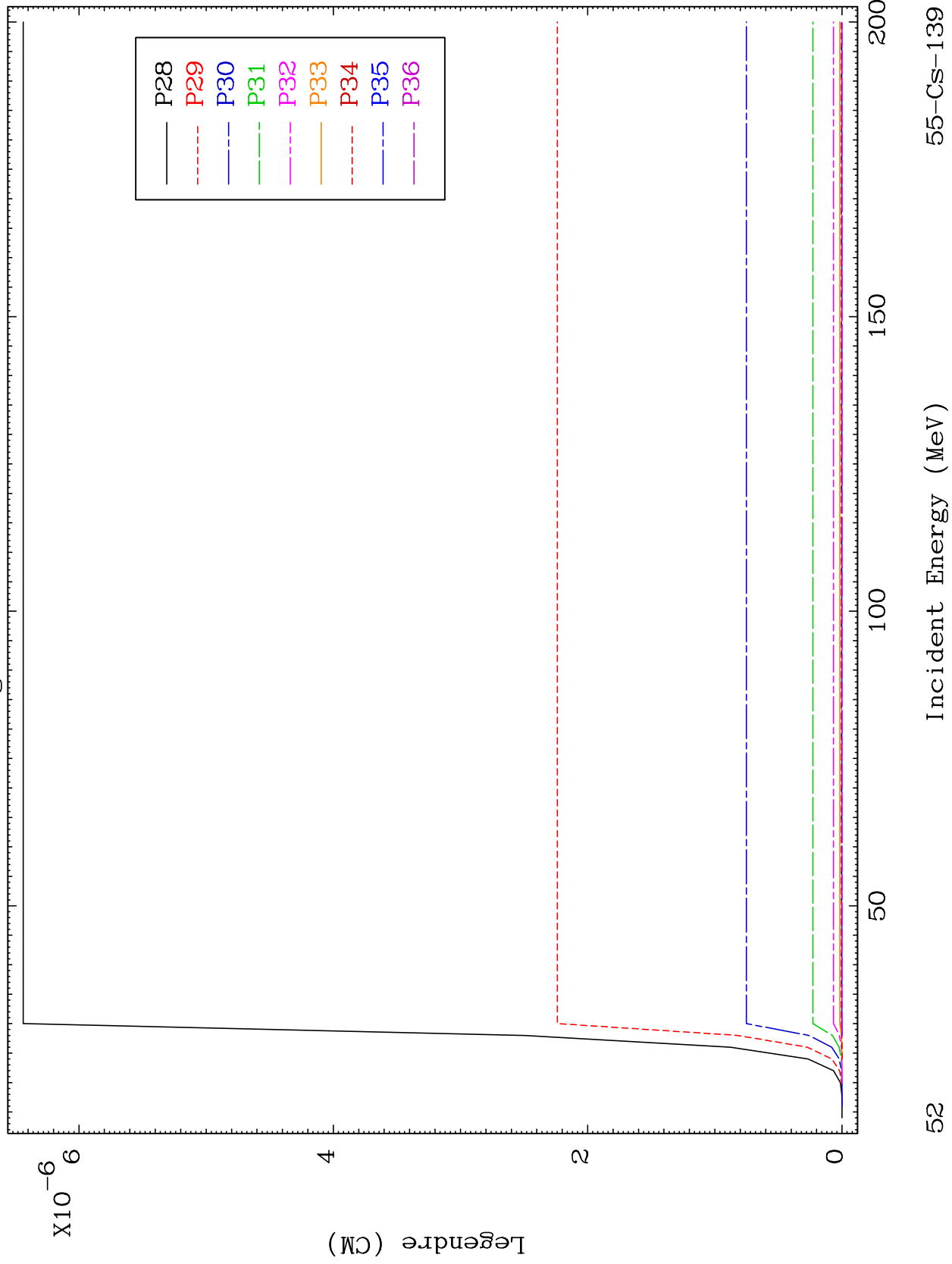
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139



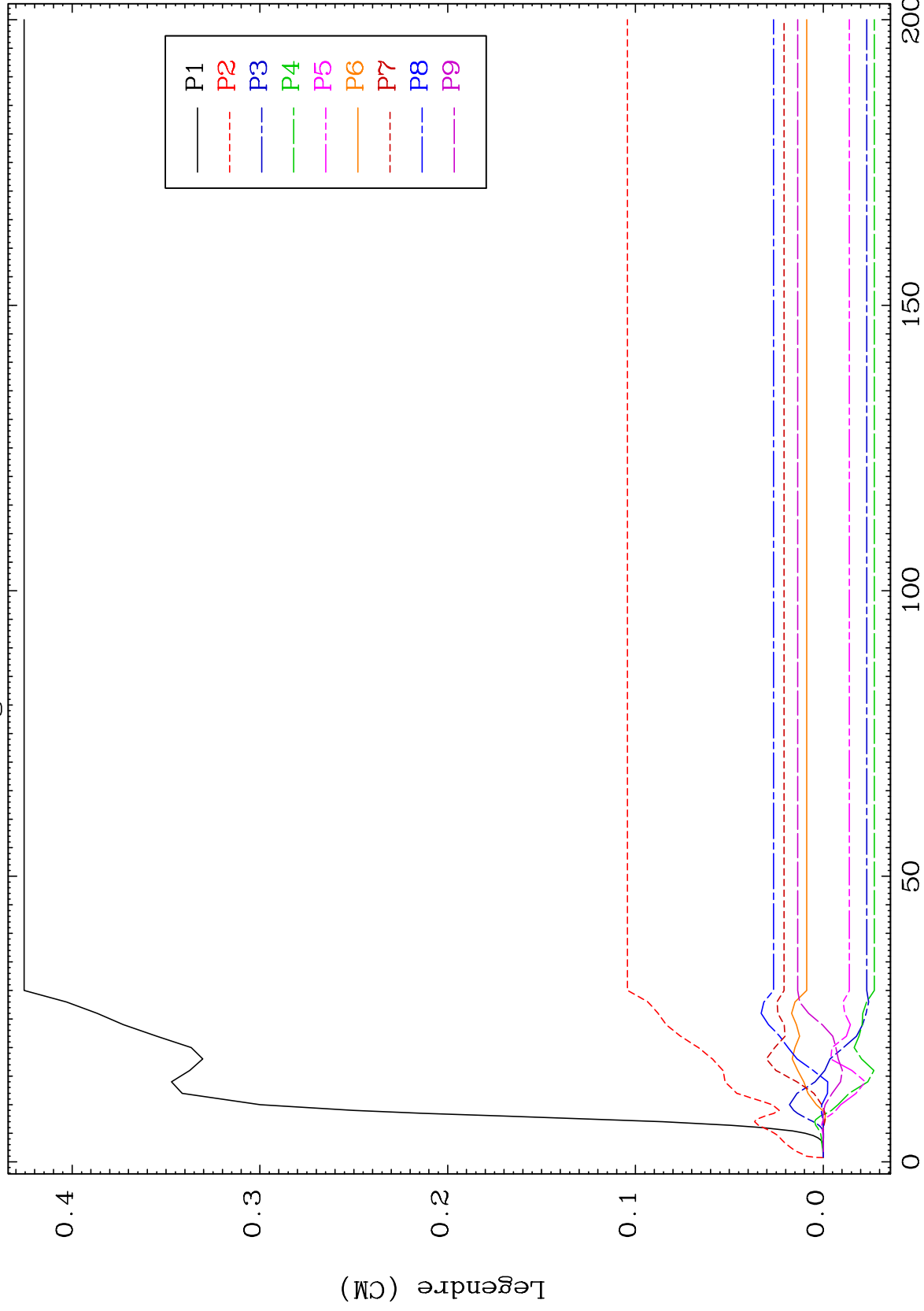
52

55-Cs-139

MAT 5543

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

55-Cs-139



53

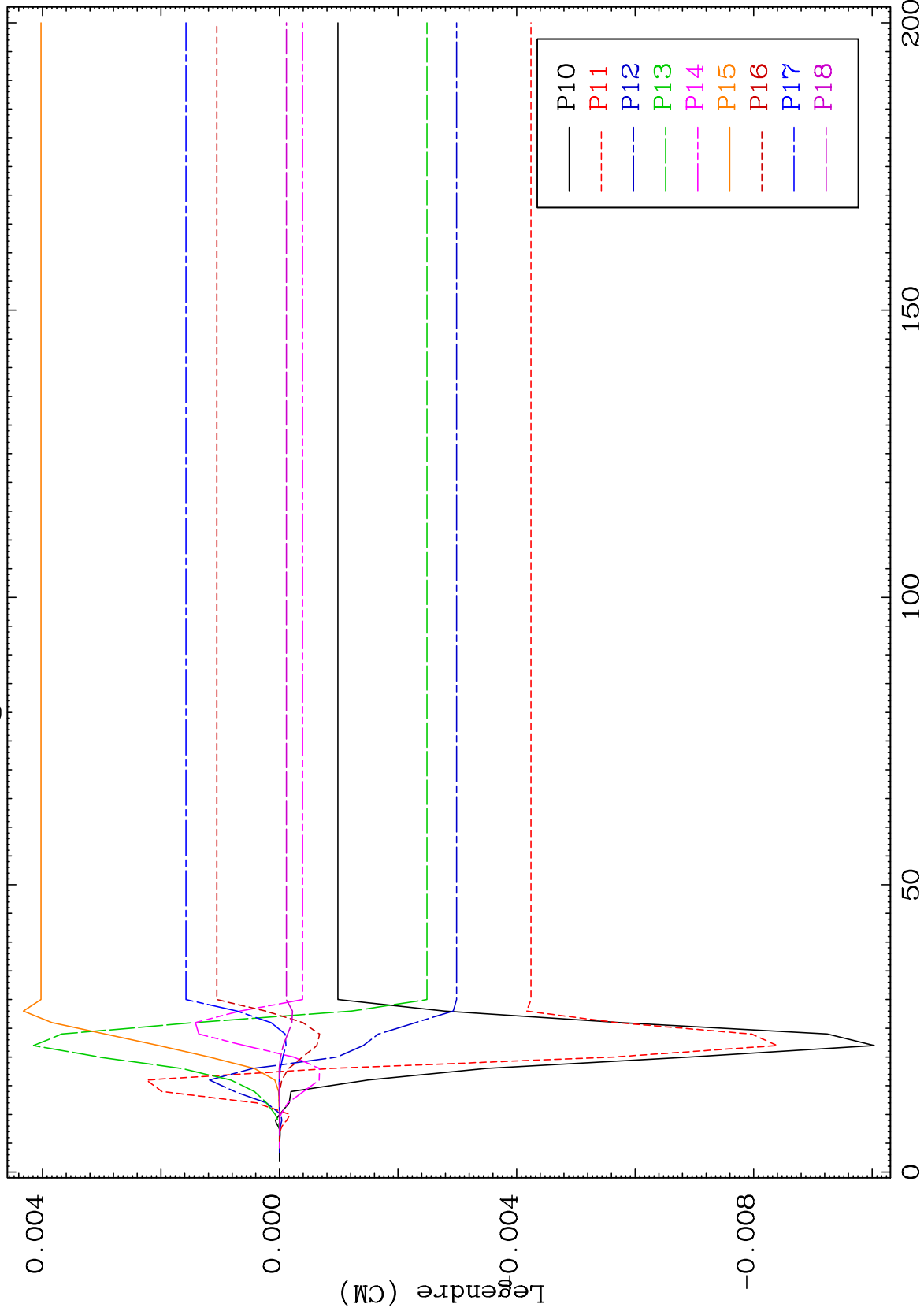
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

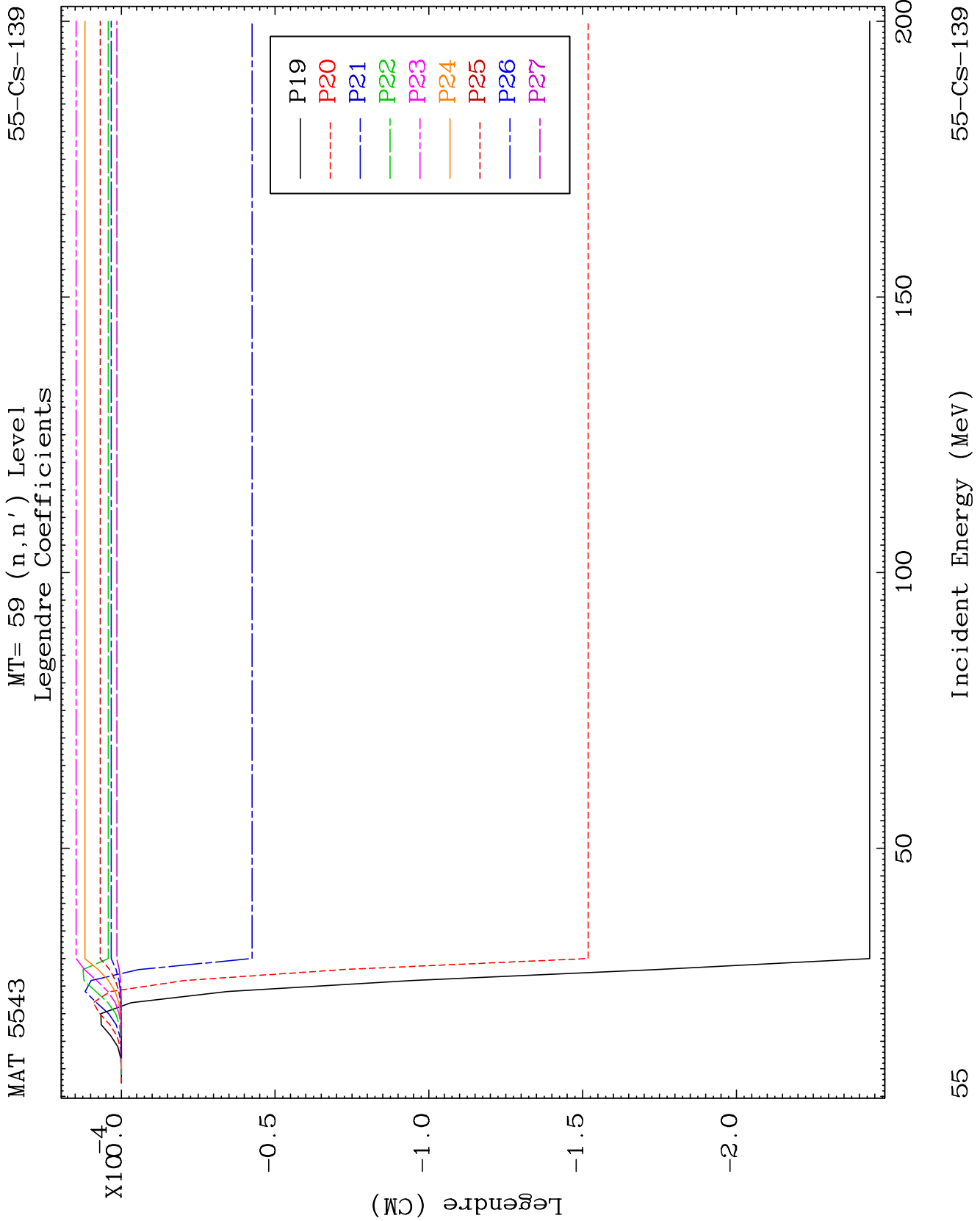
55-Cs-139



54

Incident Energy (MeV)

55-Cs-139

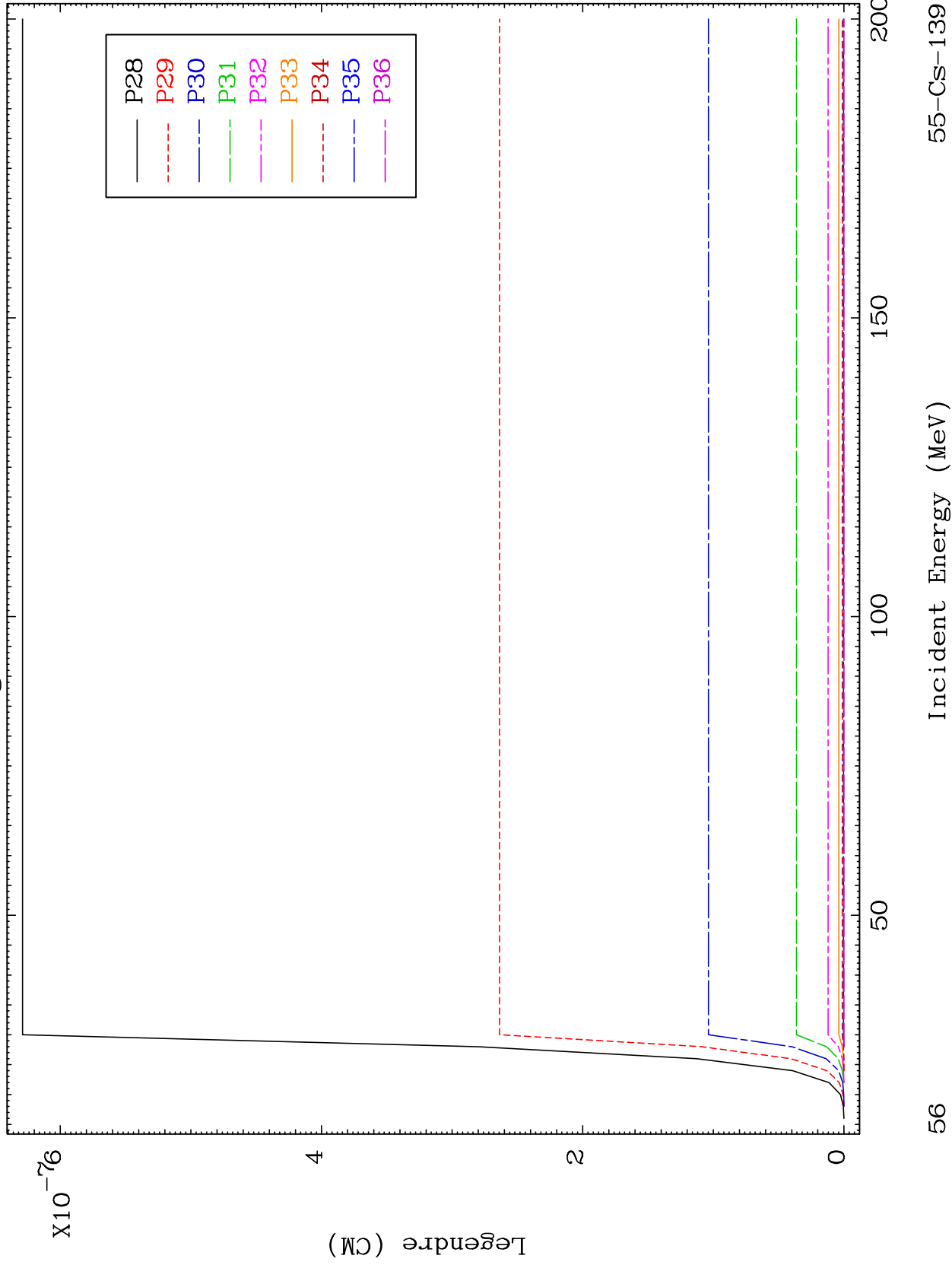




MAT 5543

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

55-Cs-139



56

Incident Energy (MeV)

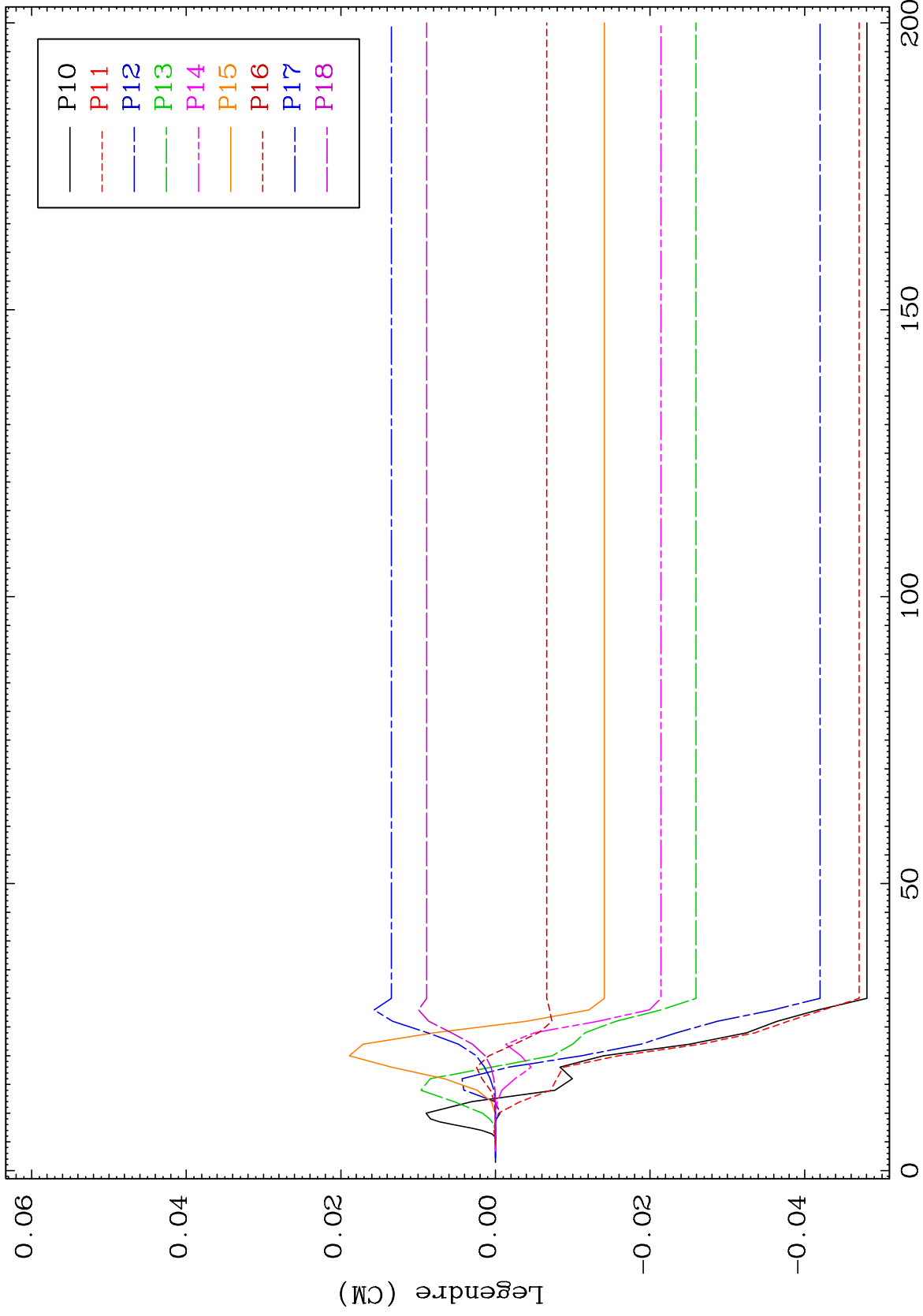
55-Cs-139



MAT 5543

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

55-Cs-139



58

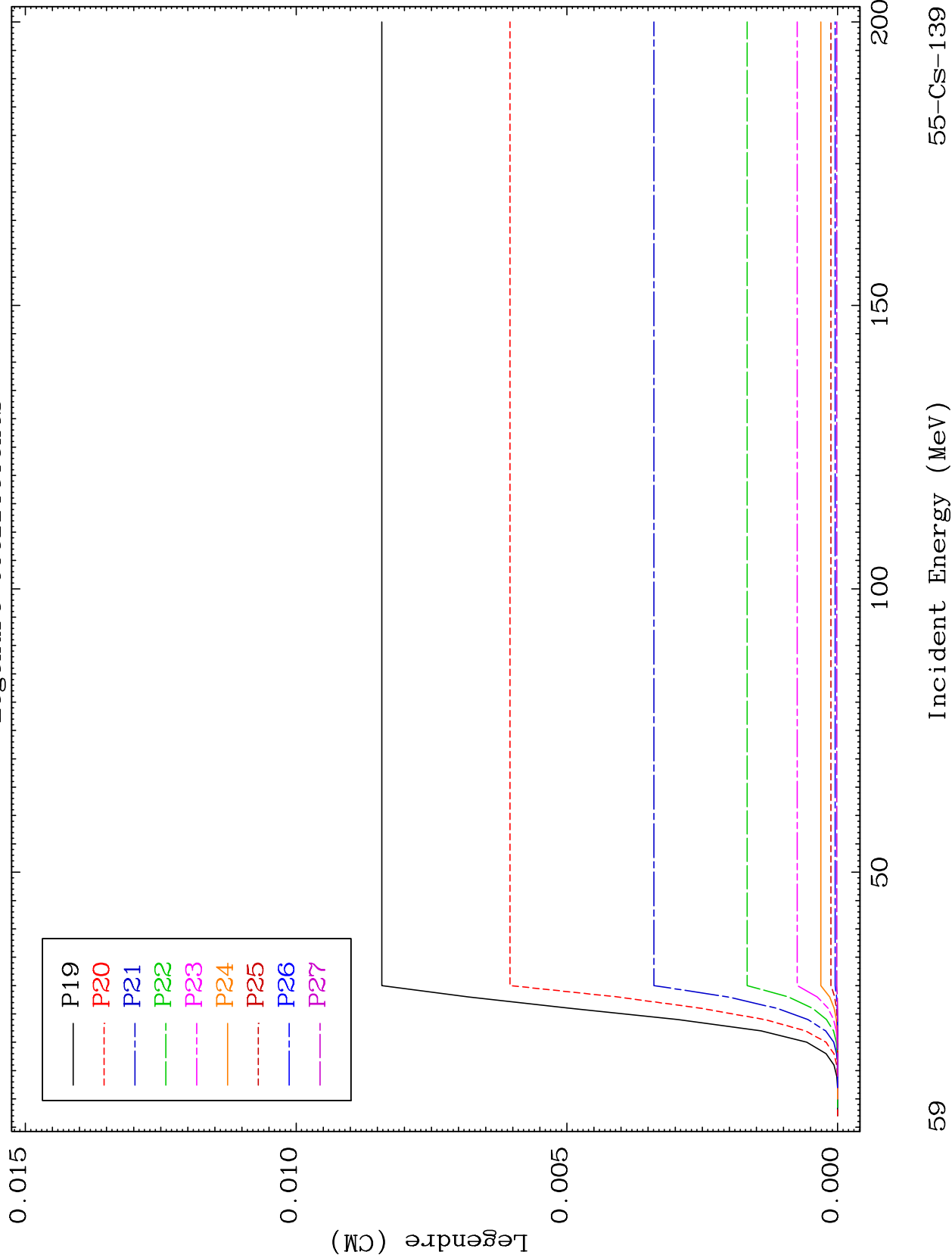
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139



59

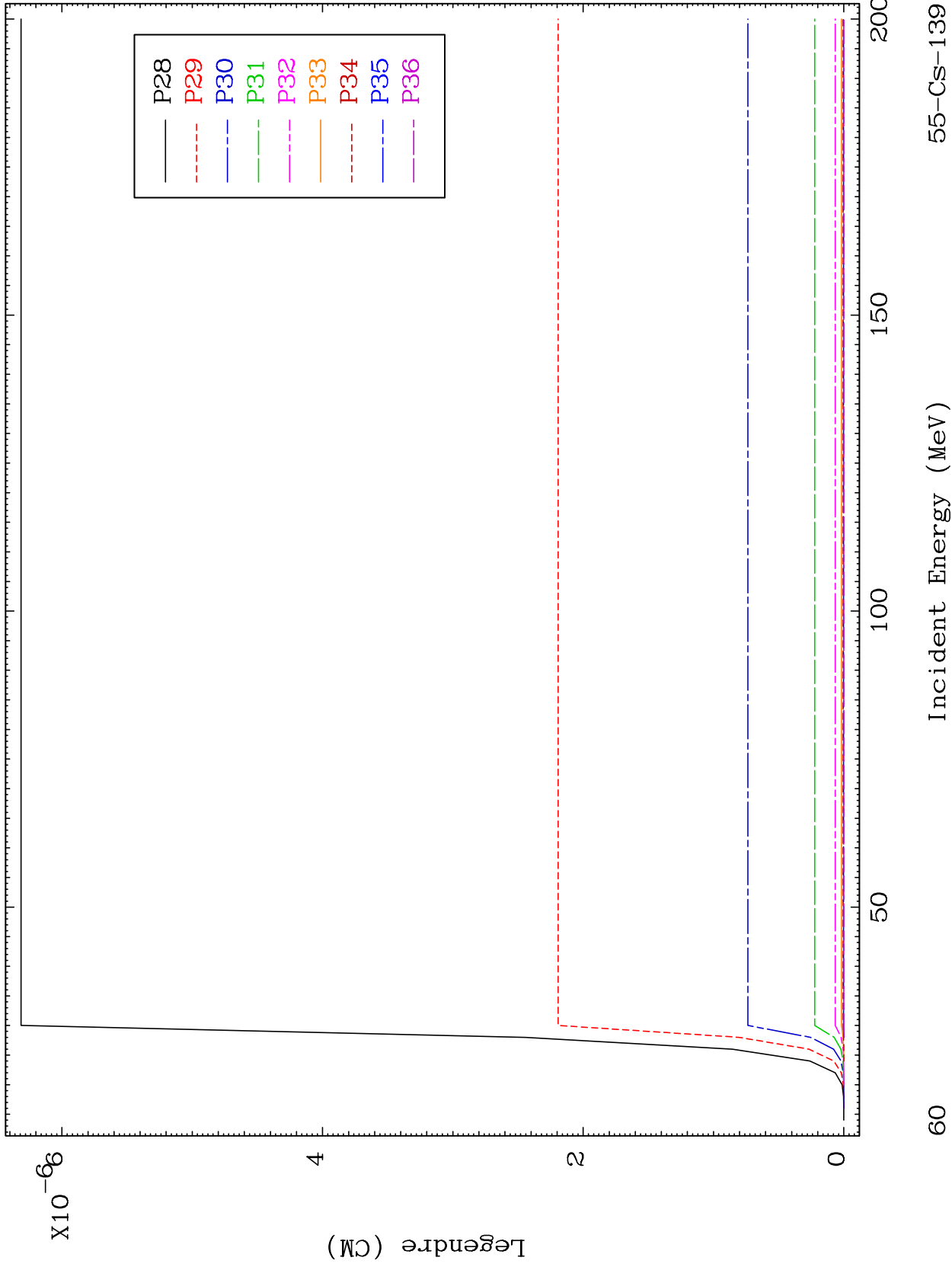
Incident Energy (MeV)

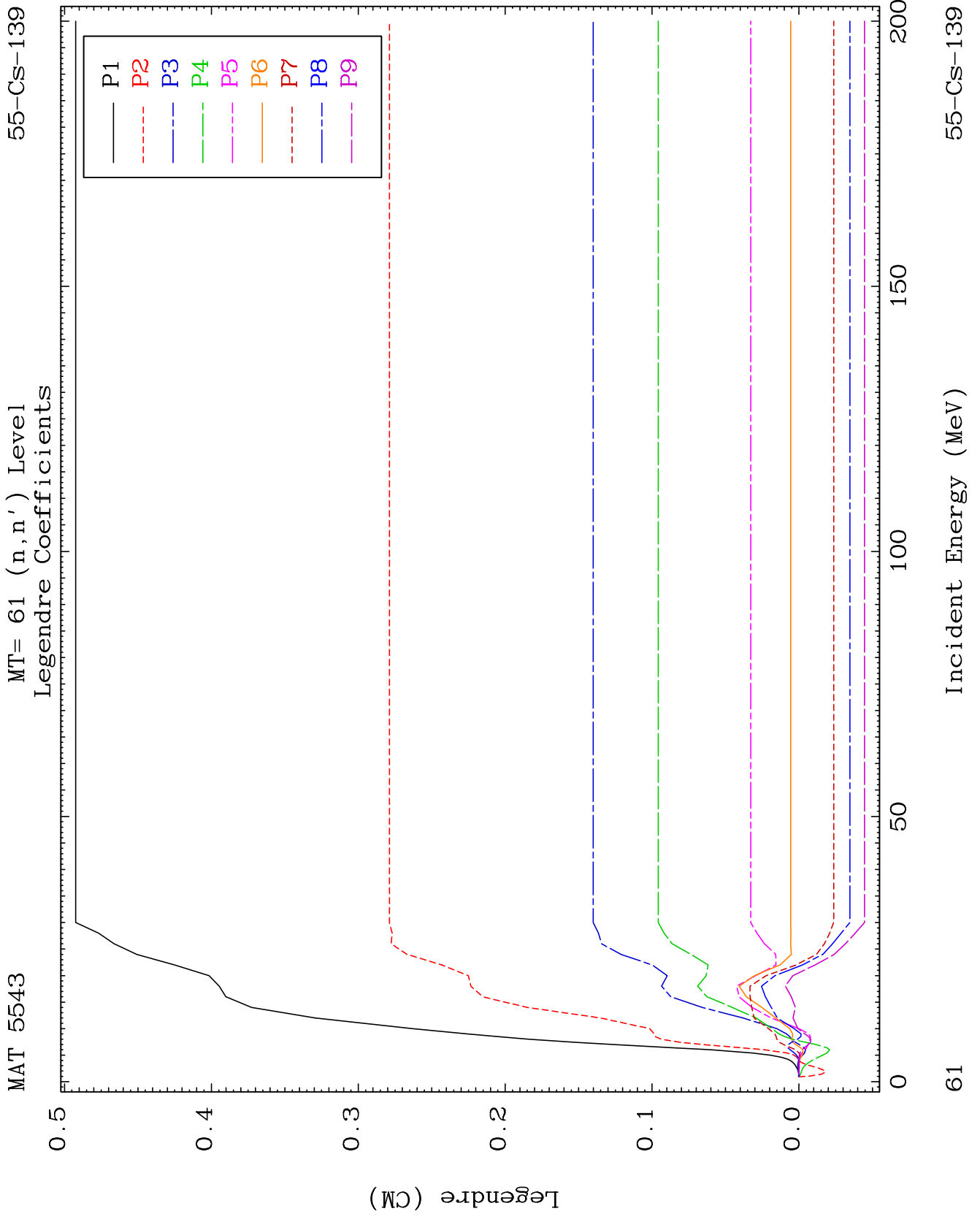
55-Cs-139

MAT 5543

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

55-Cs-139

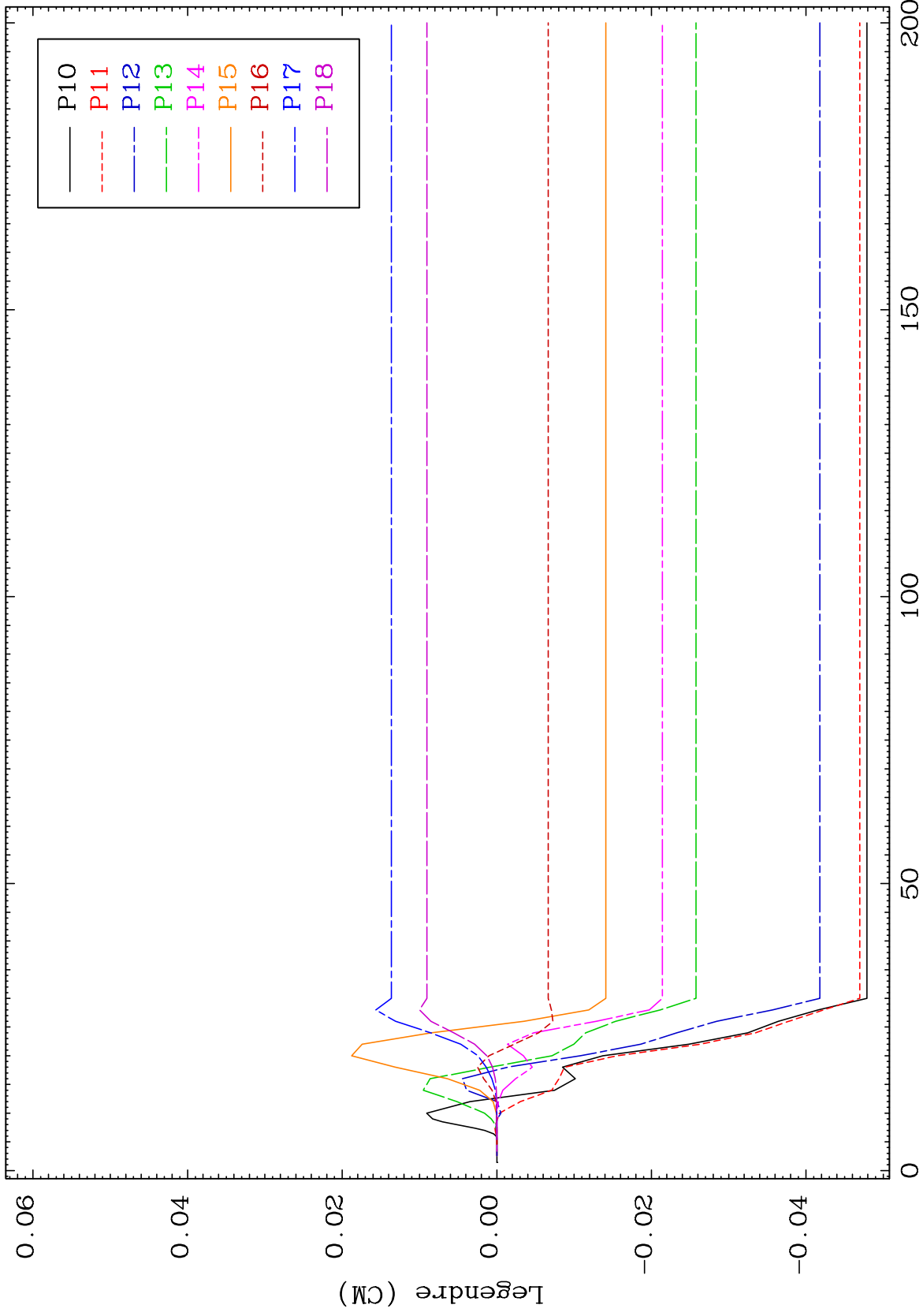




MAT 5543

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

55-Cs-139



62

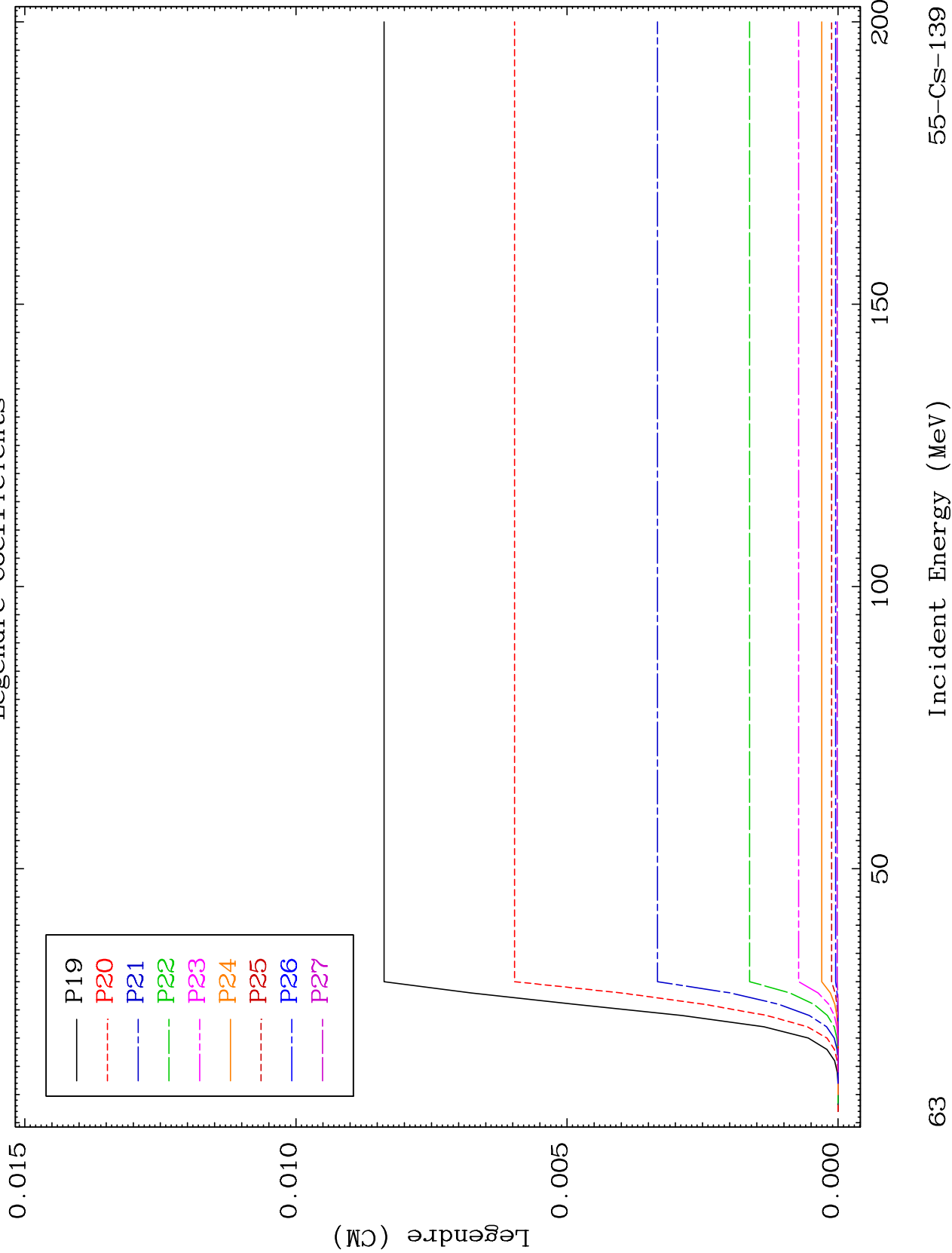
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139



63

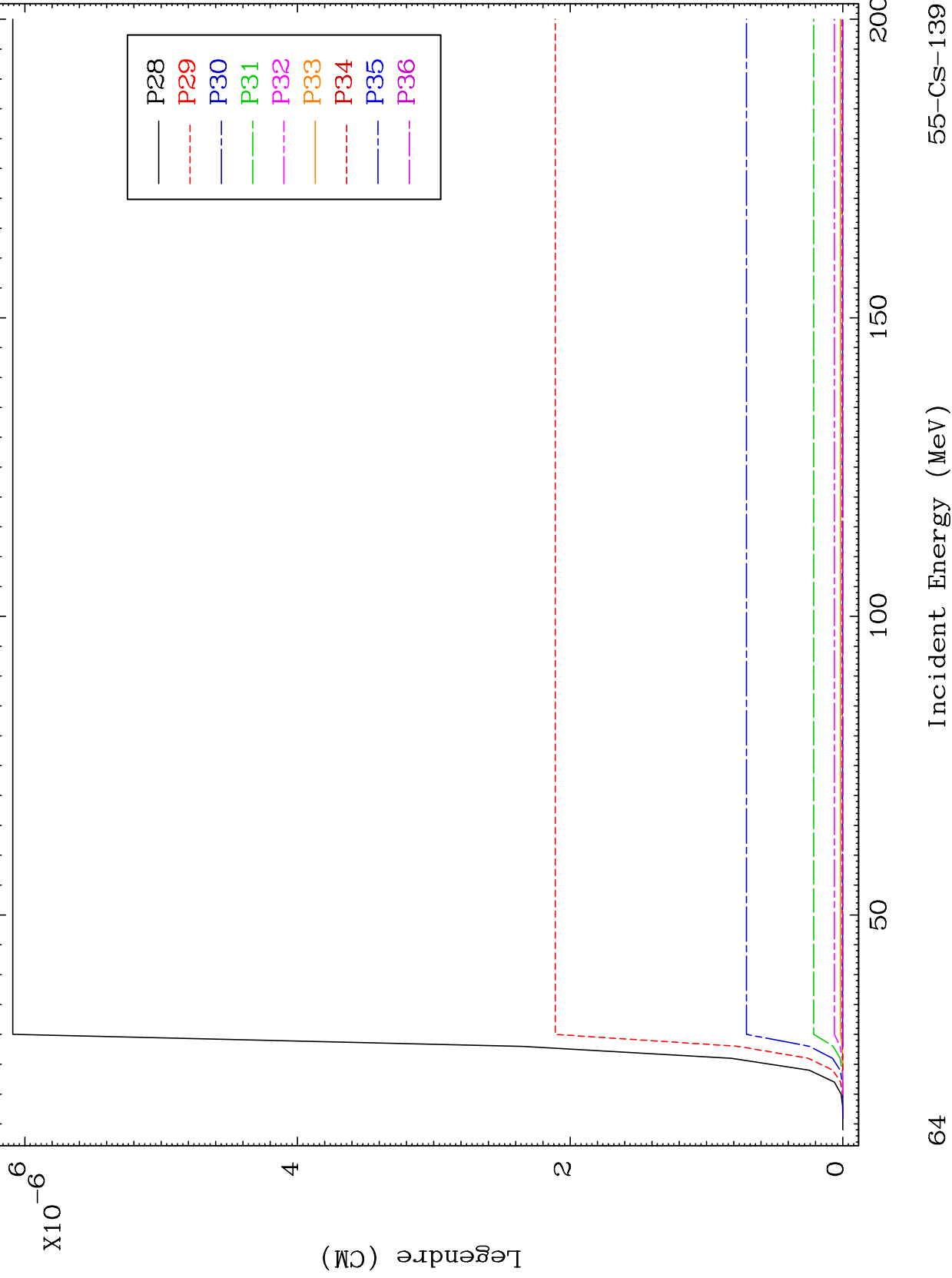
55-Cs-139



MAT 5543

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

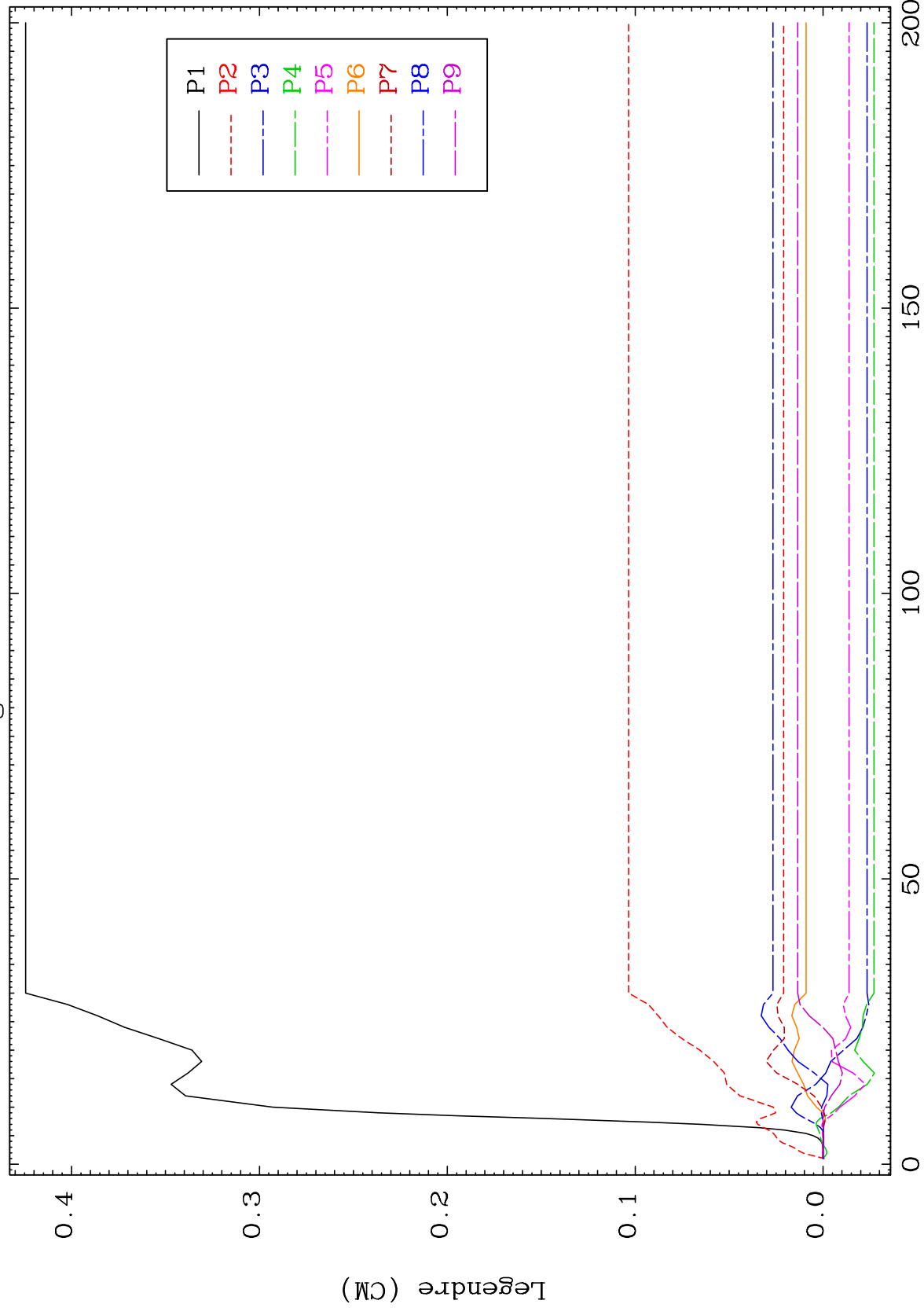
55-Cs-139



MAT 5543

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

55-Cs-139



65

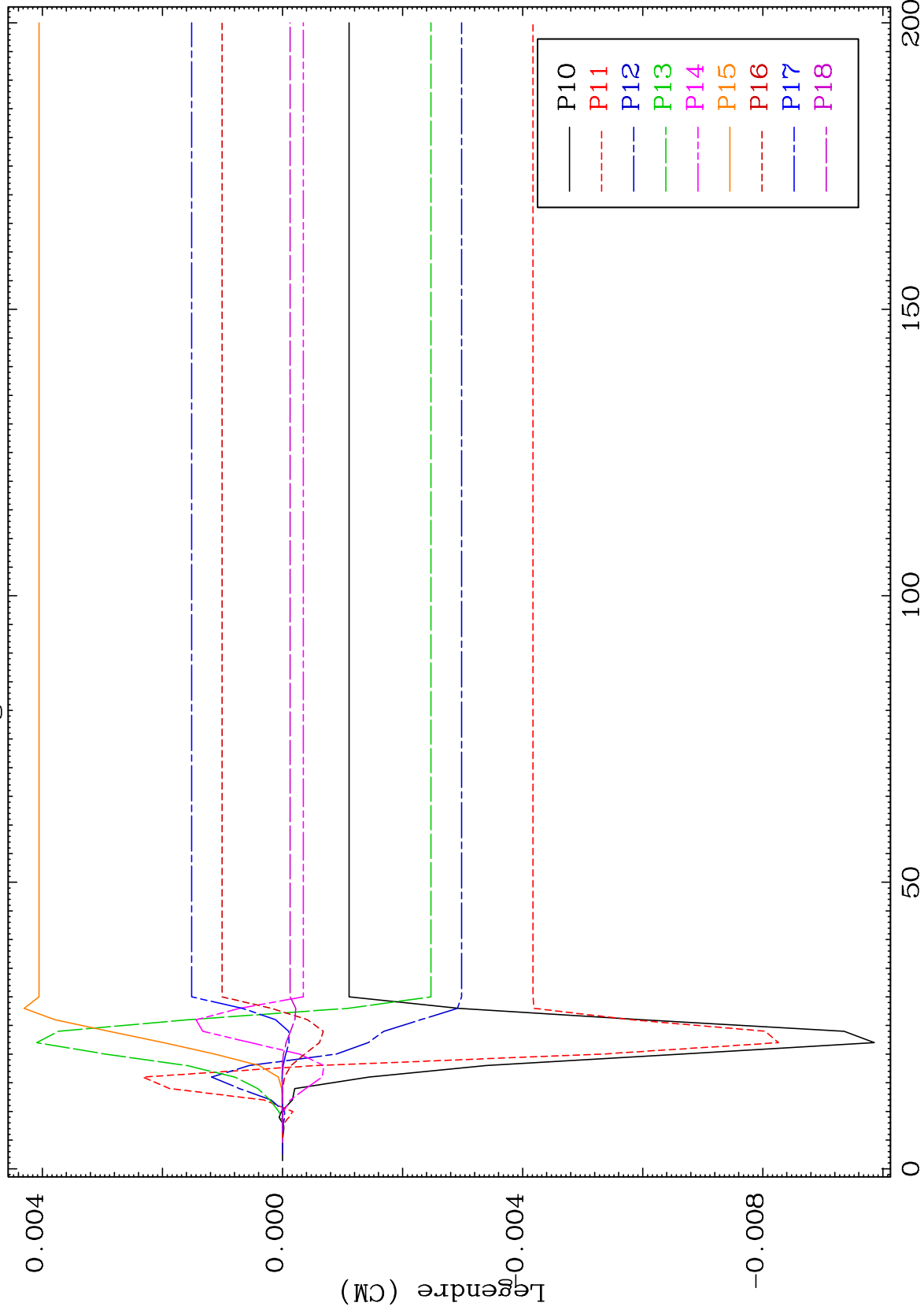
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

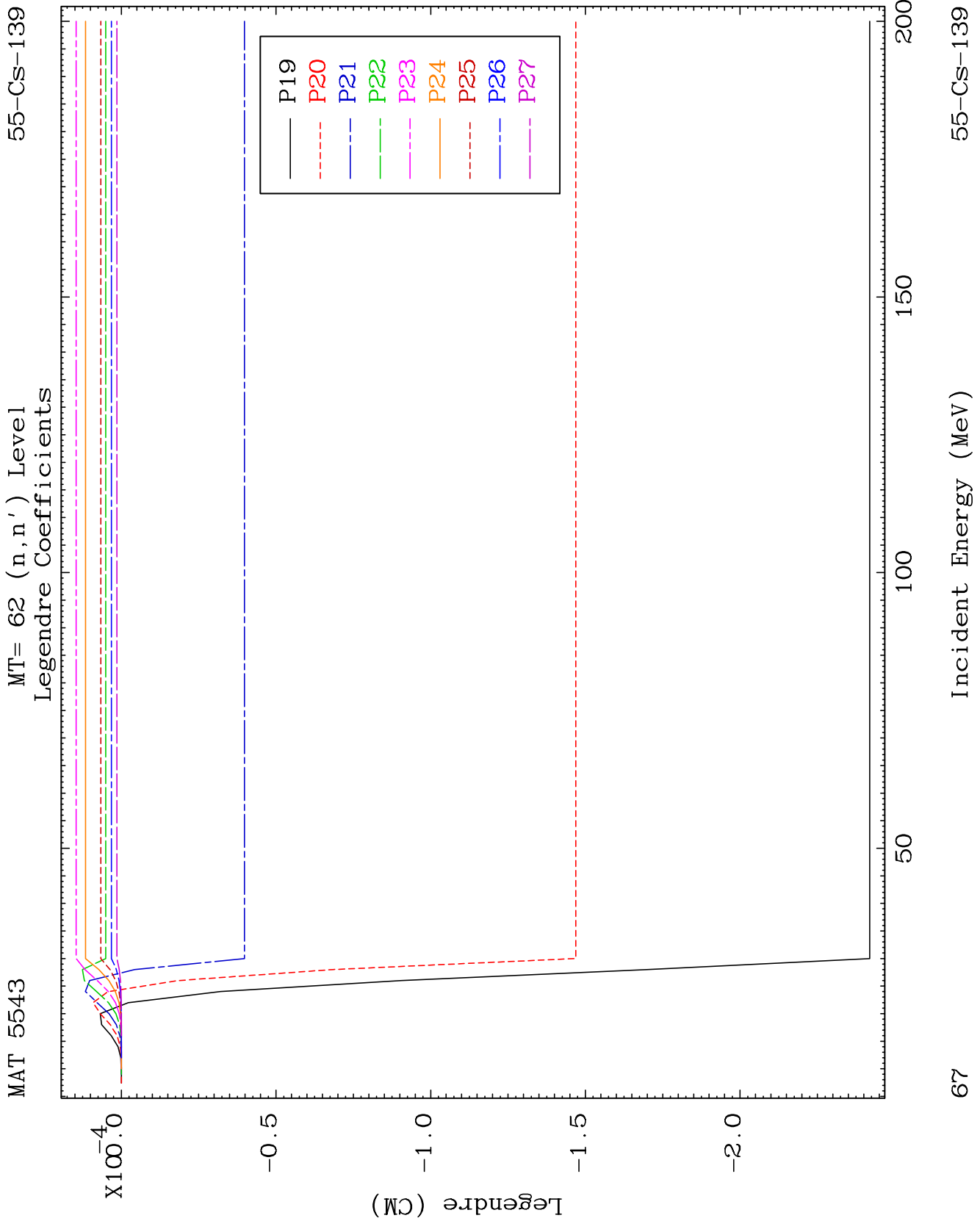
55-Cs-139



66

Incident Energy (MeV)

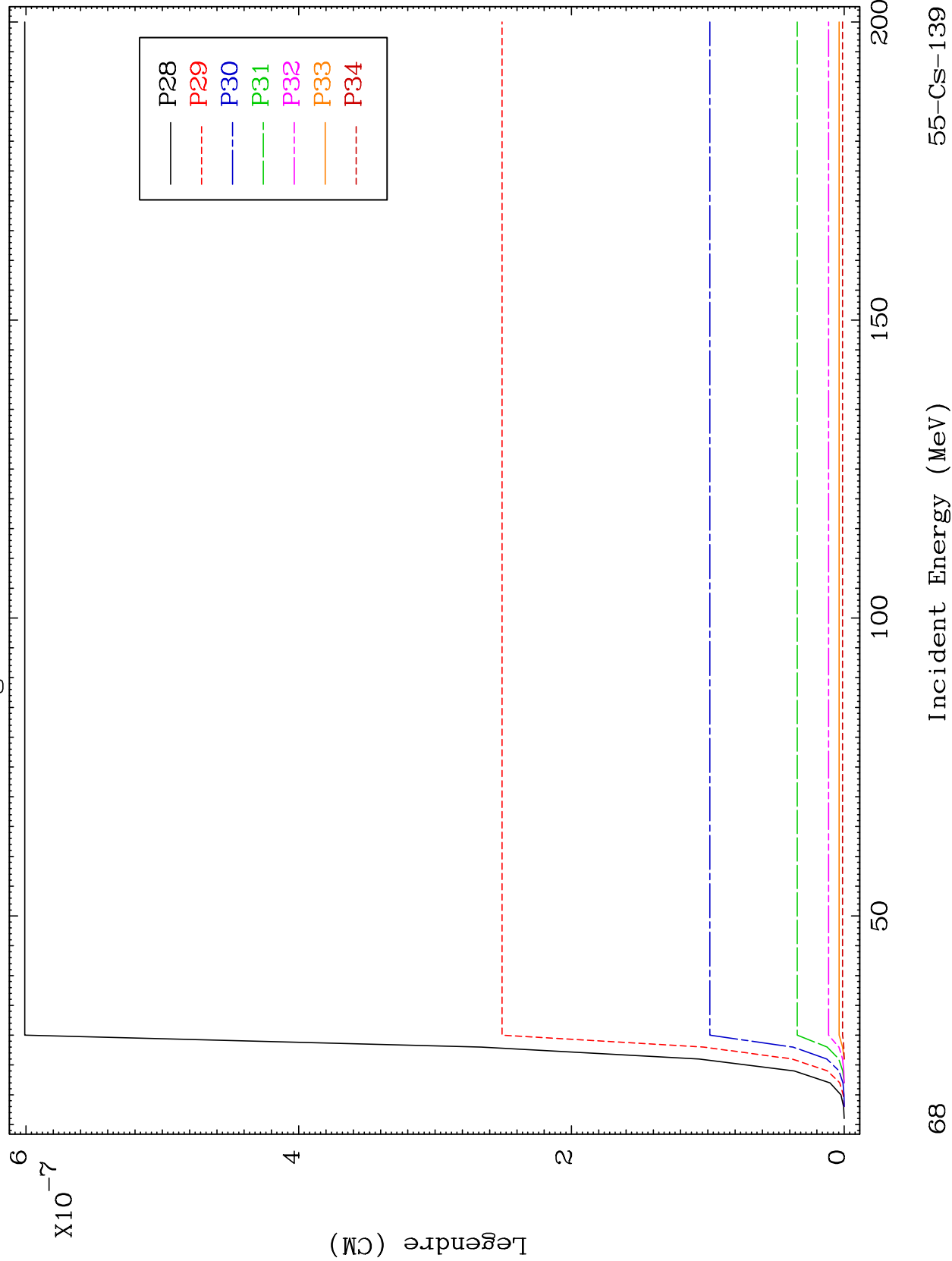
55-Cs-139



MAT 5543

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

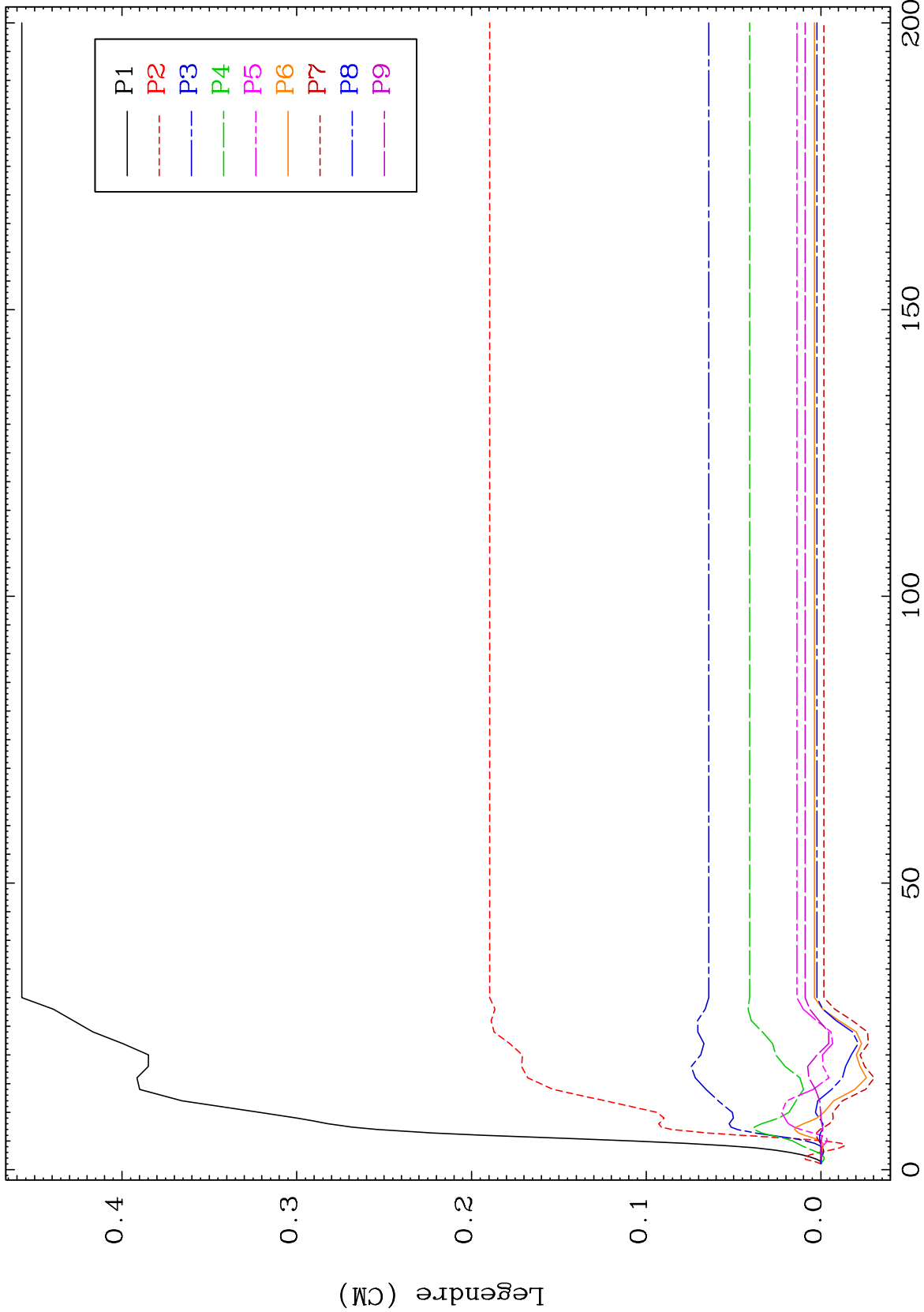
55-Cs-139



MAT 5543

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

55-Cs-139



55-Cs-139

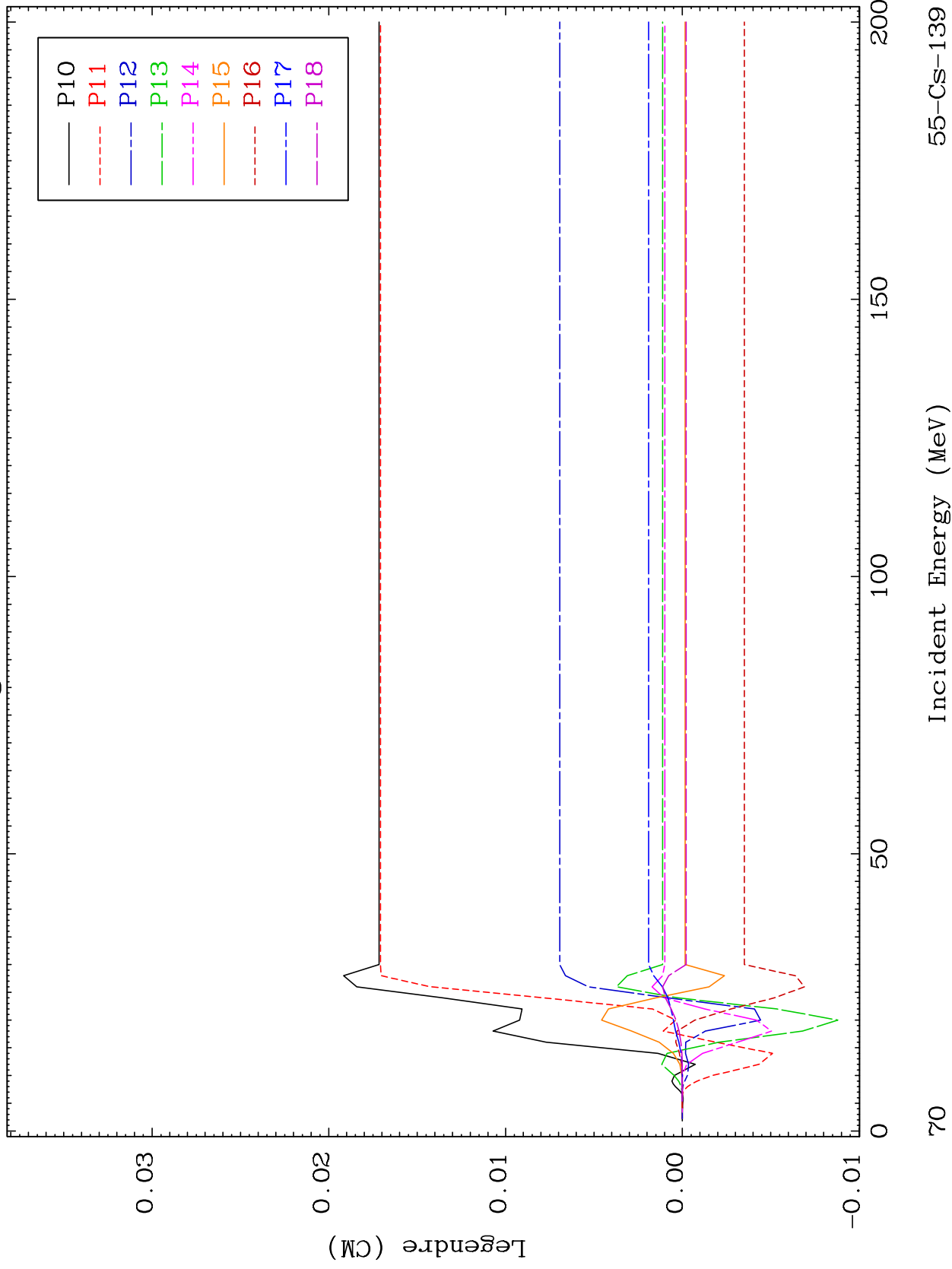
Incident Energy (MeV)

69

MAT 5543

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

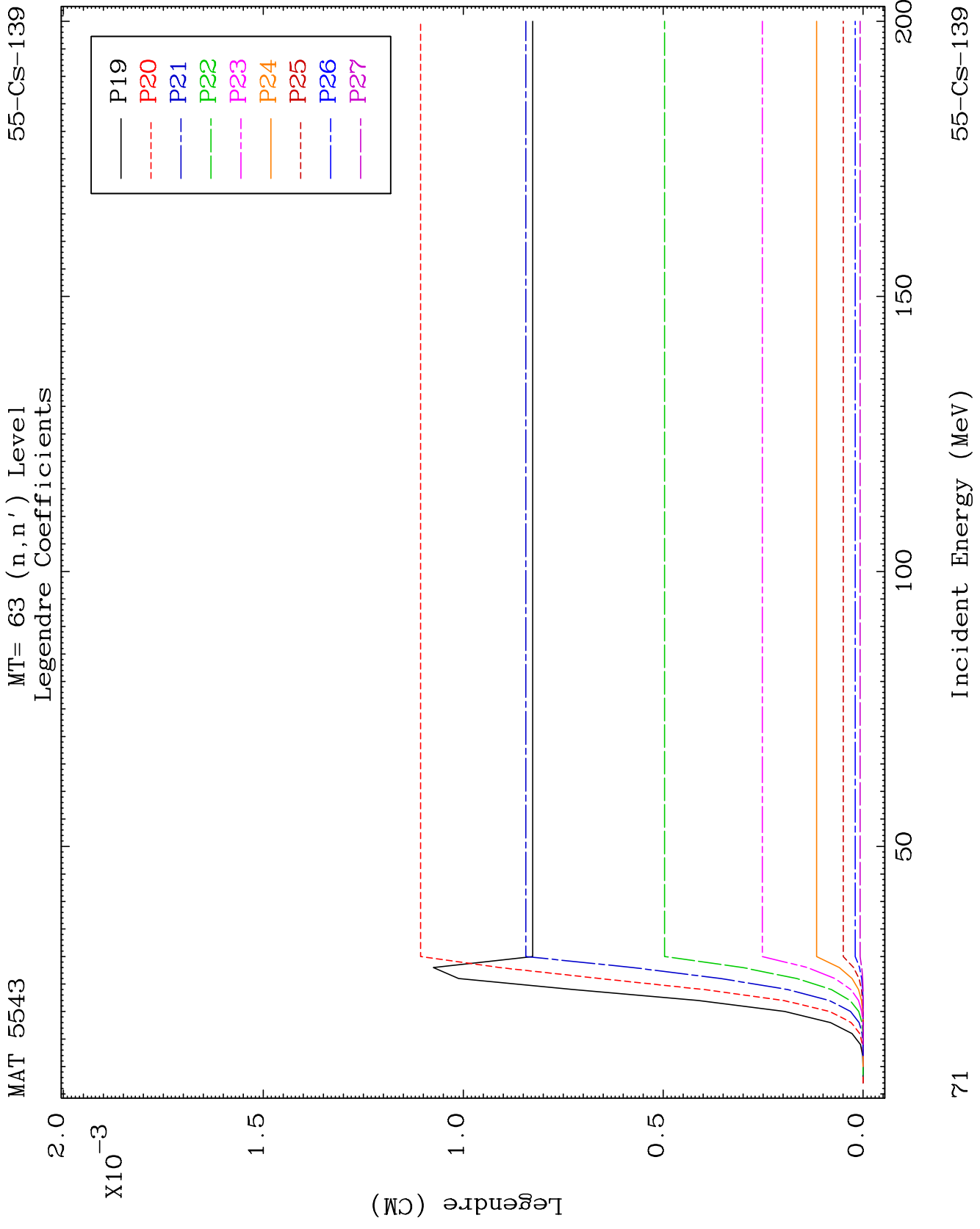
55-Cs-139



55-Cs-139

Incident Energy (MeV)

70

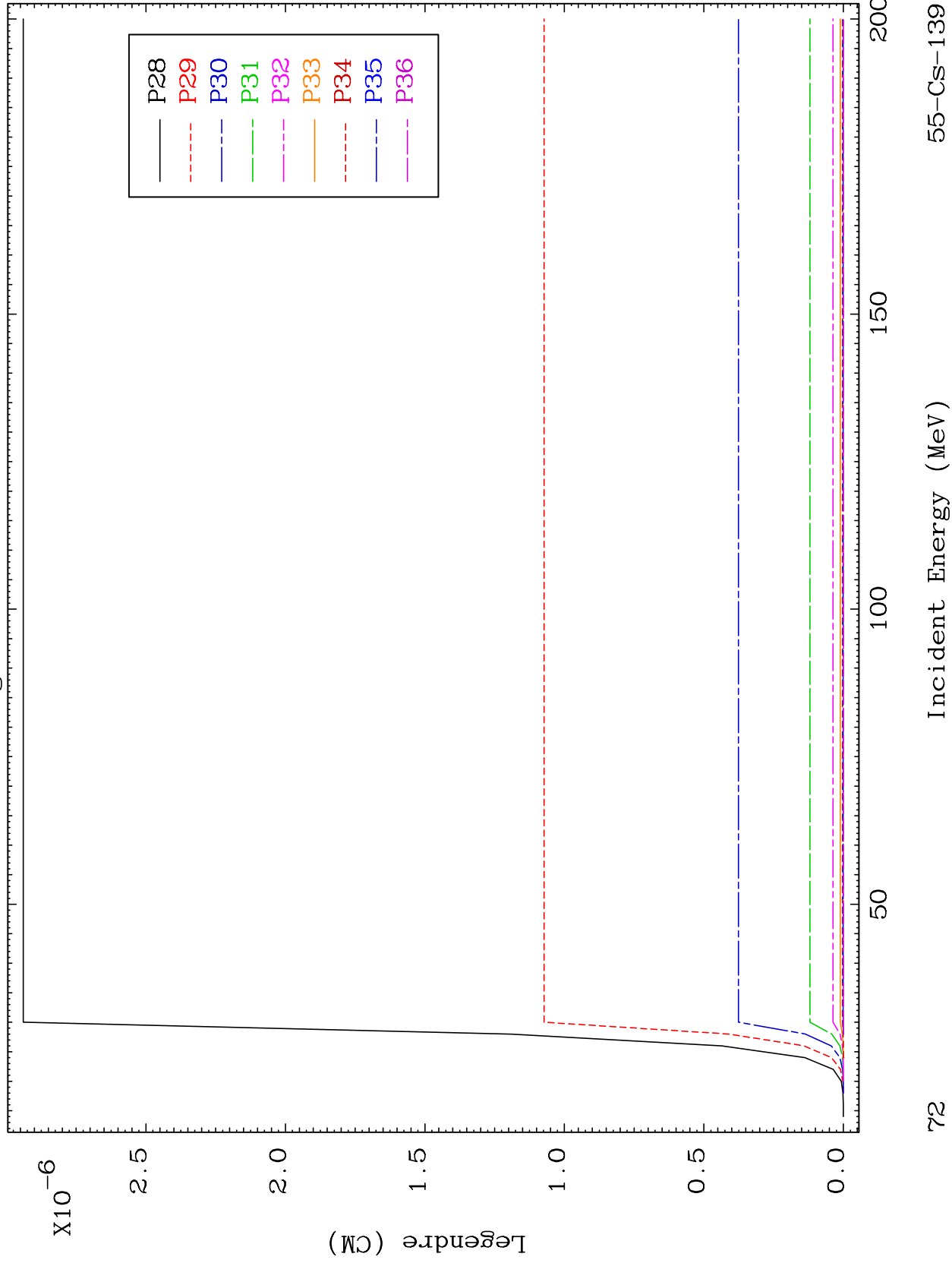




MAT 5543

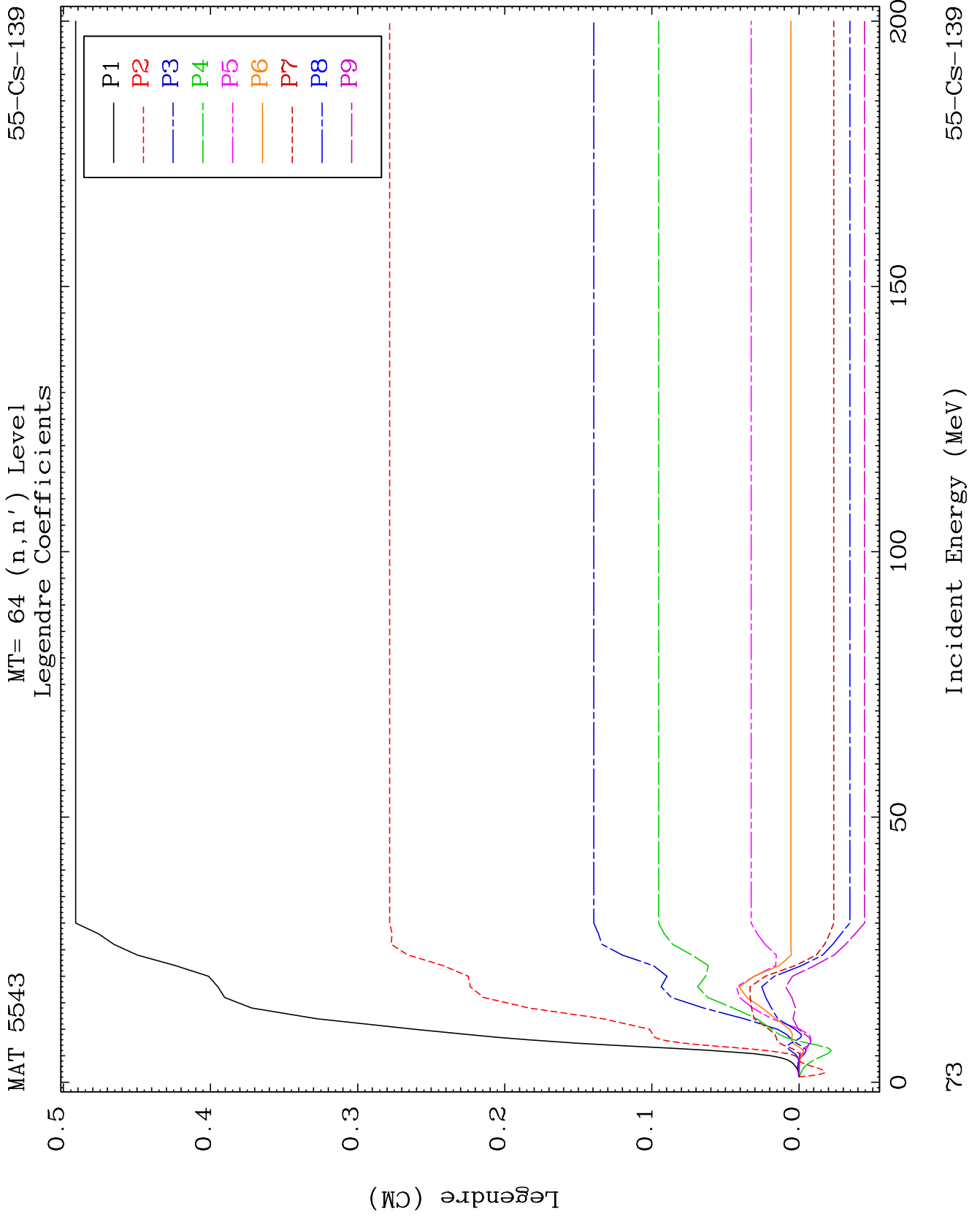
MT= 63 (n,n') Level  
Legendre Coefficients

55-Cs-139



72

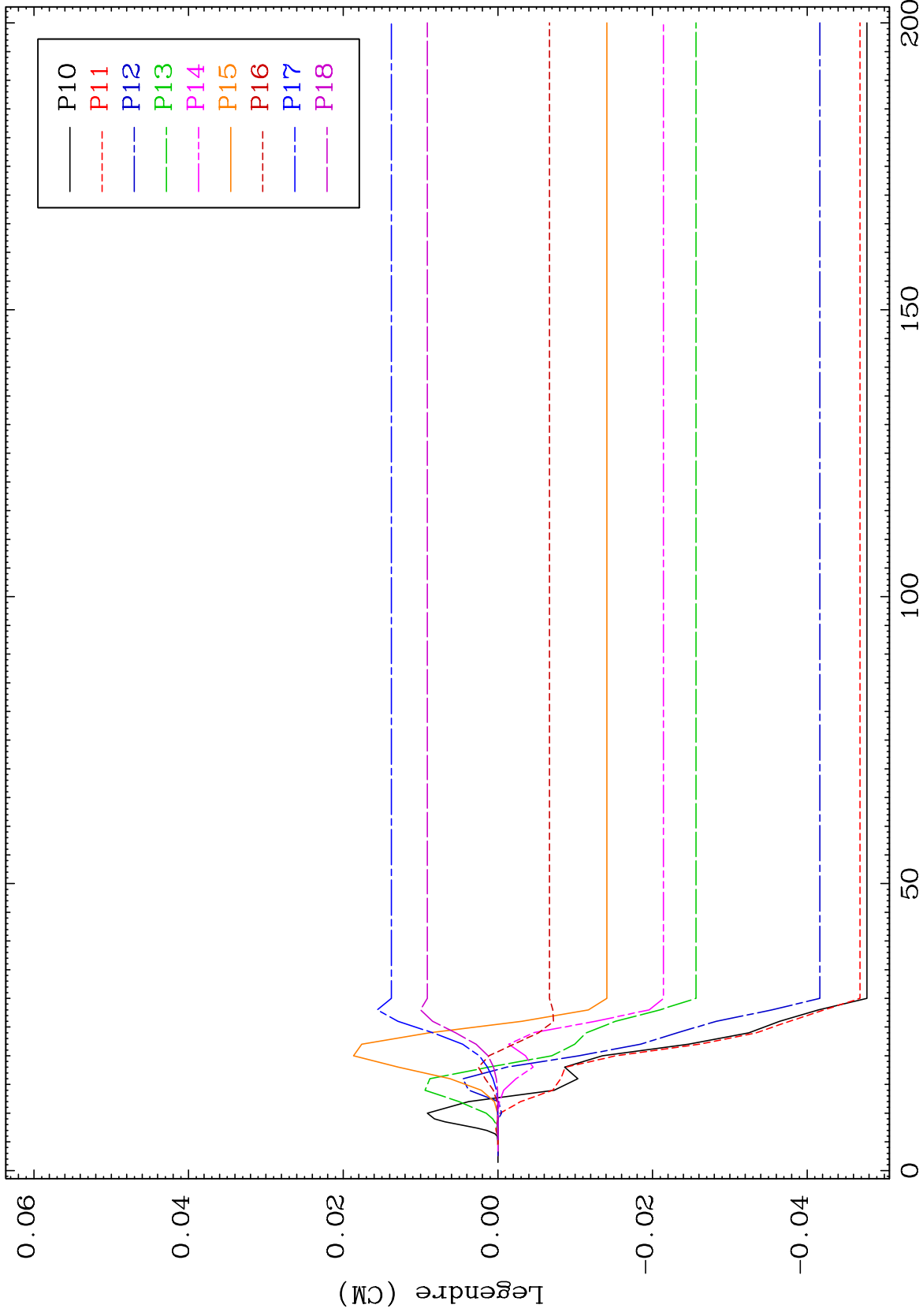
55-Cs-139



MAT 5543

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

55-Cs-139



74

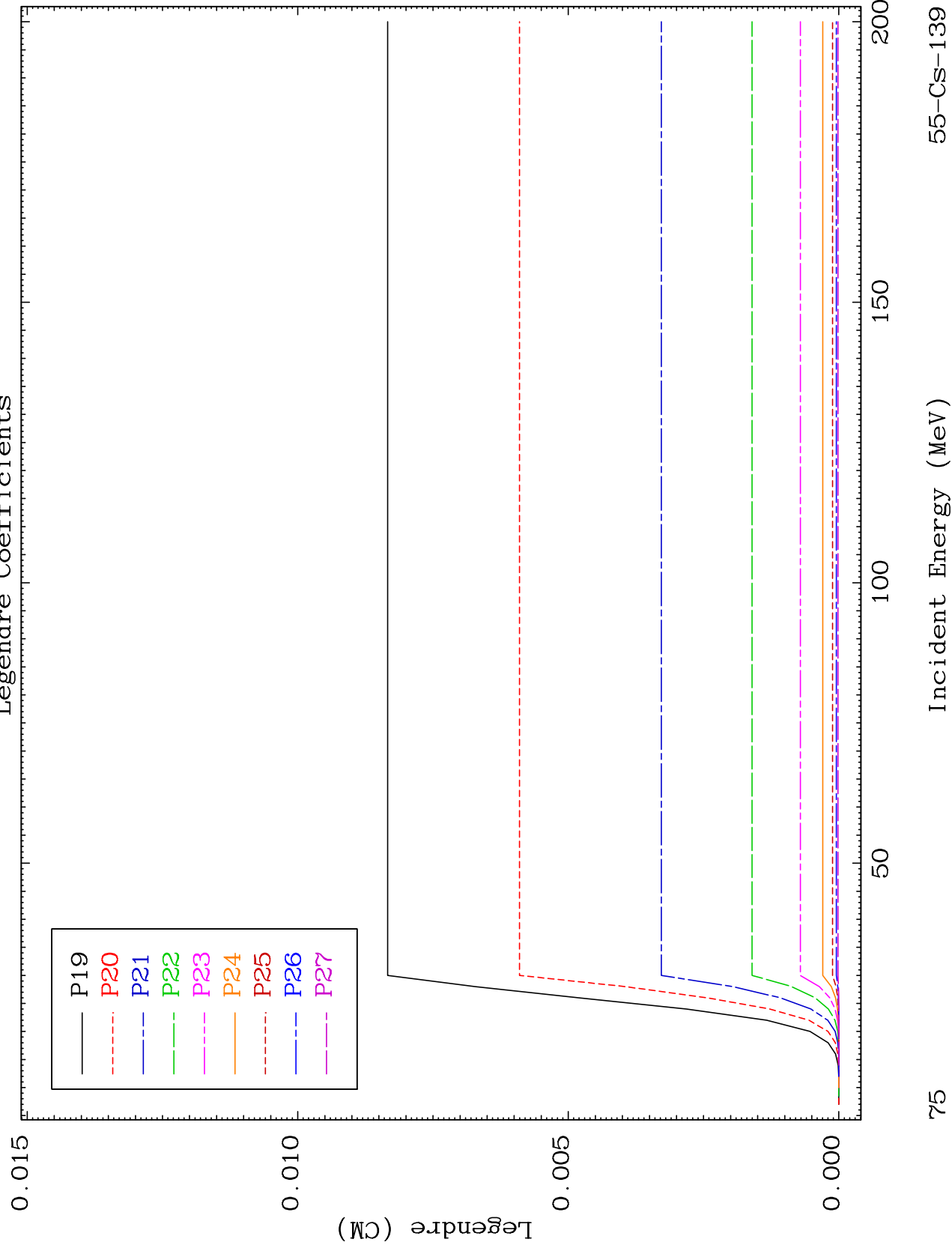
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139



75

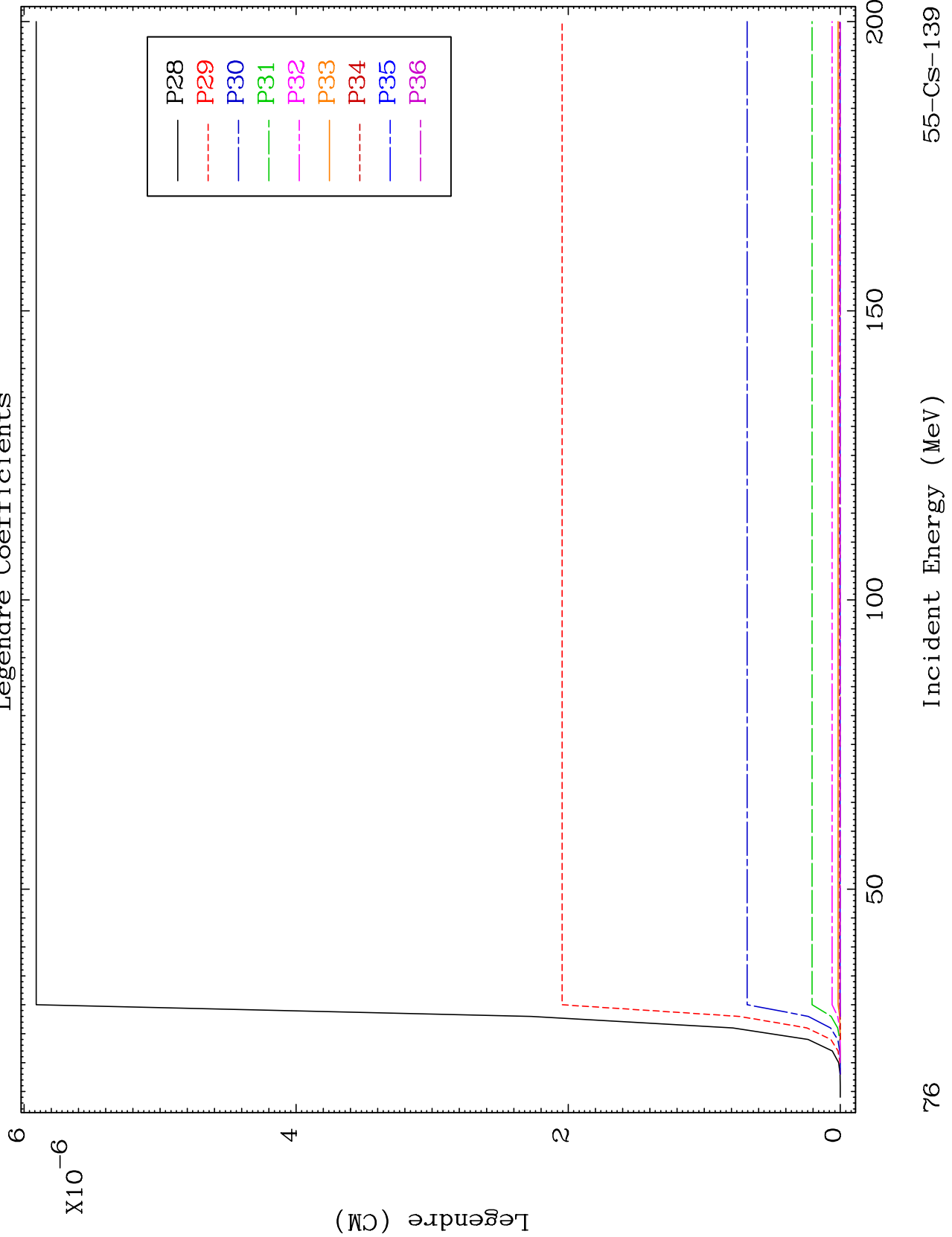
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139

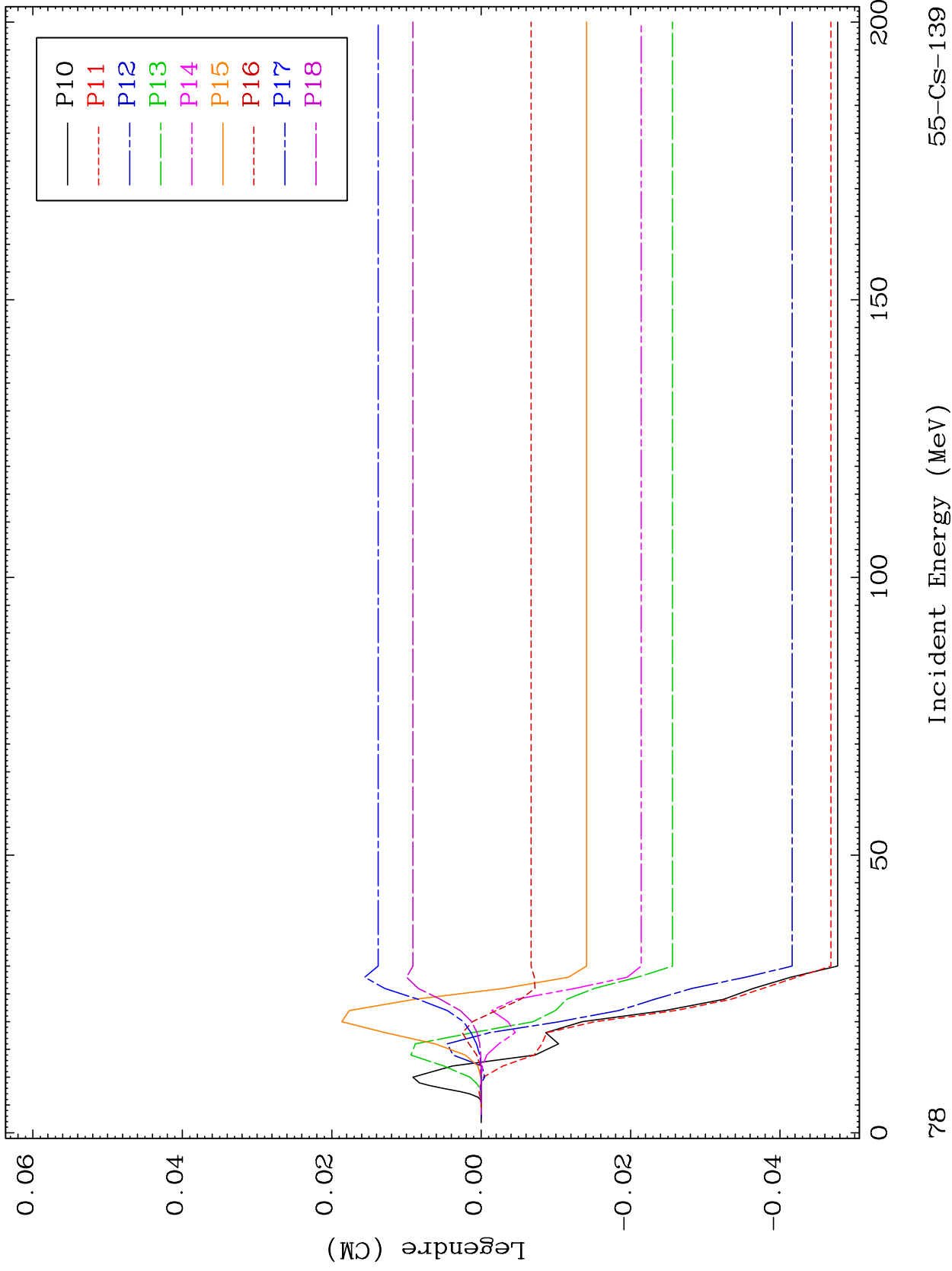




MAT 5543

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

55-Cs-139



55-Cs-139

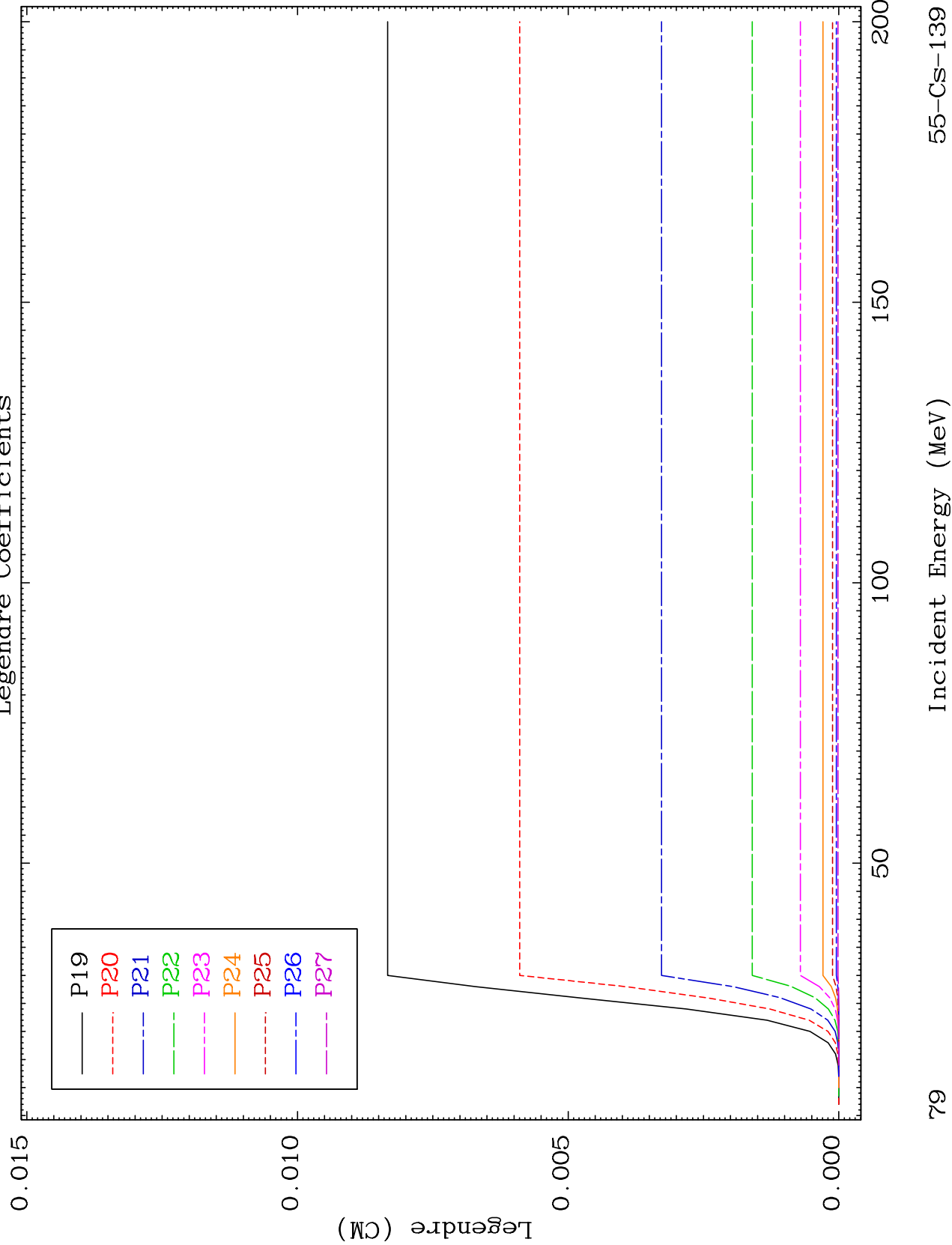
Incident Energy (MeV)

78

MAT 5543

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

55-Cs-139



79

Incident Energy (MeV)

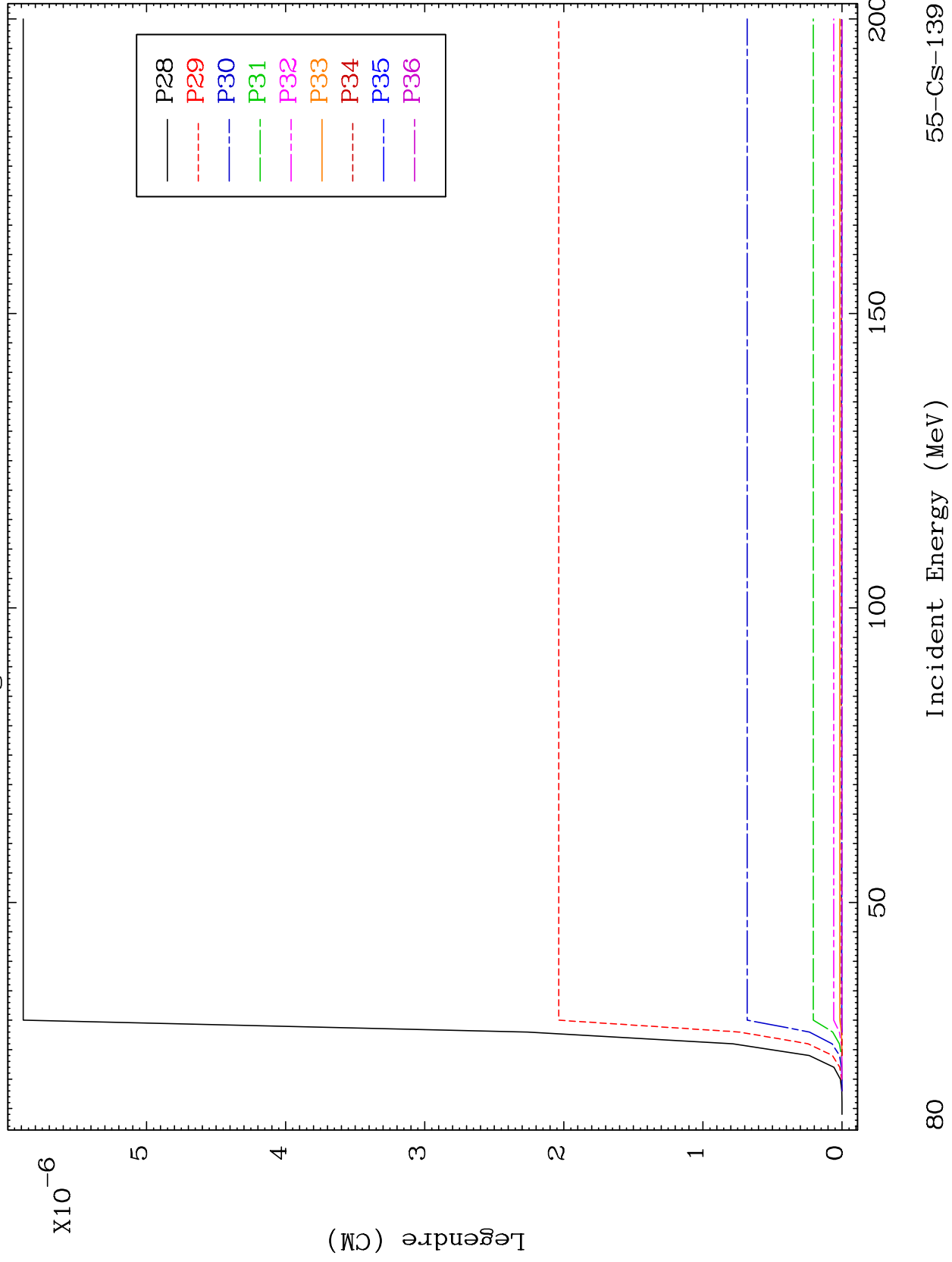
55-Cs-139



MAT 5543

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

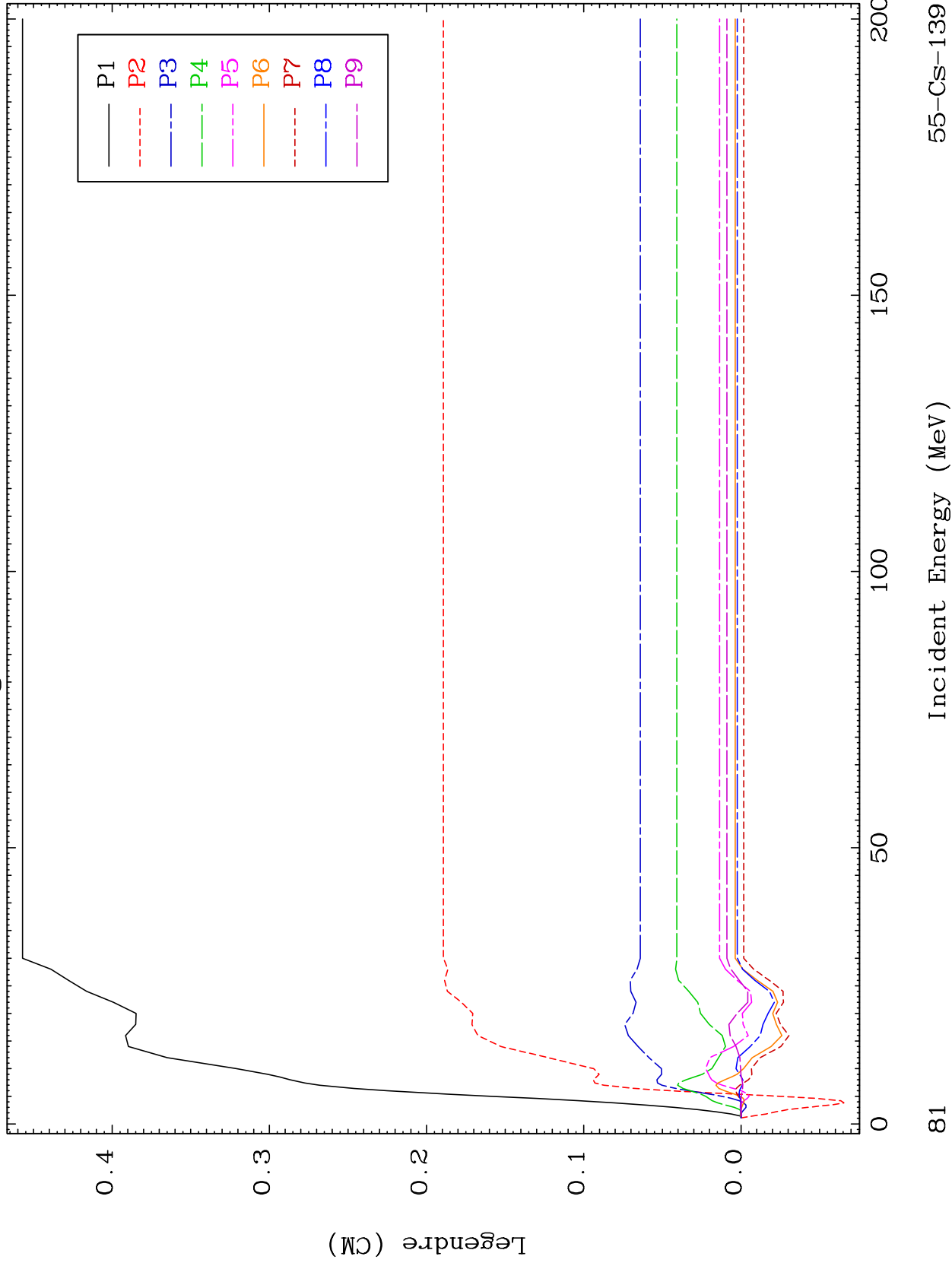
55-Cs-139



MAT 5543

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

55-Cs-139



55-Cs-139

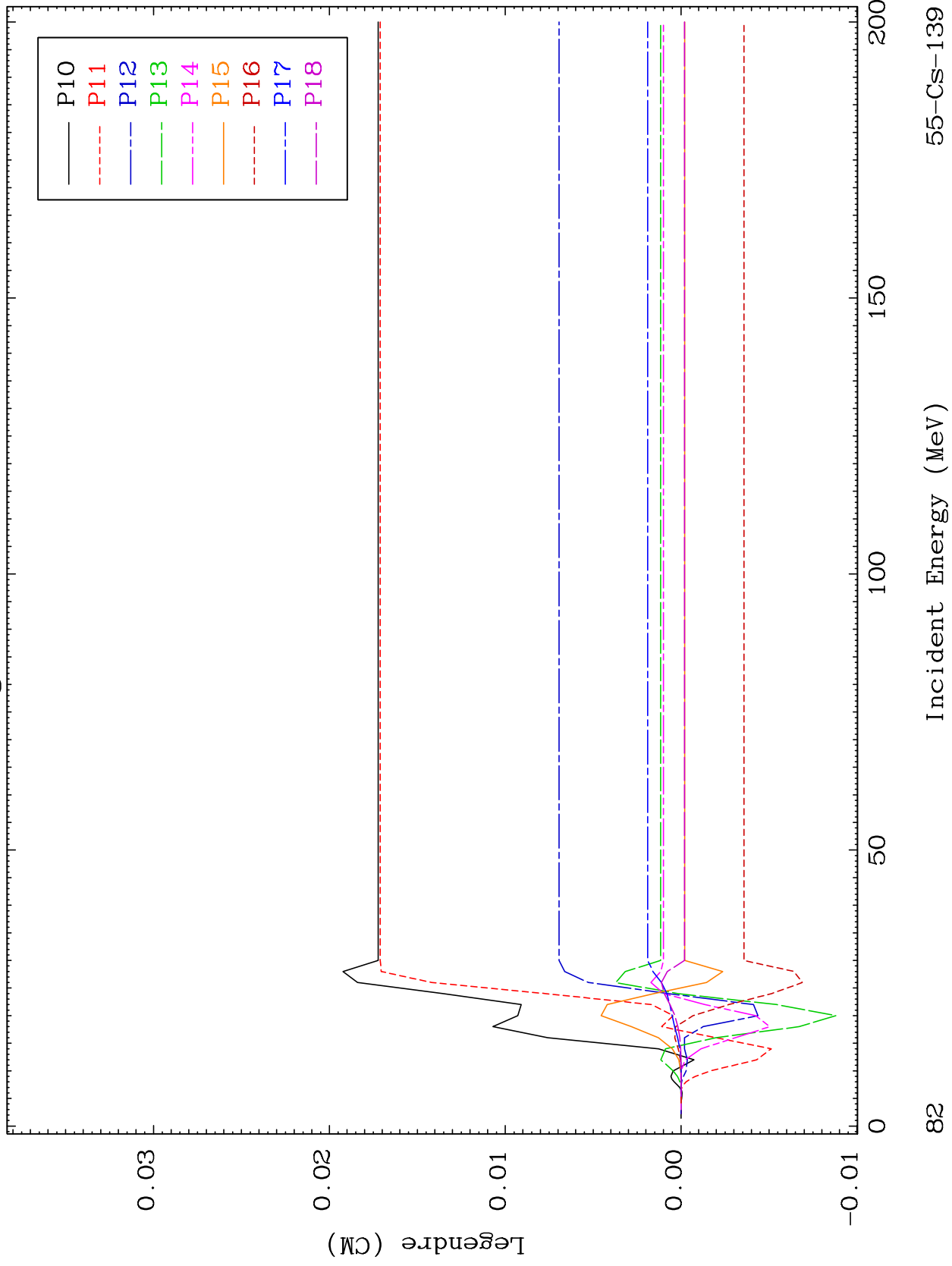
Incident Energy (MeV)

81

MAT 5543

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

55-Cs-139



55-Cs-139

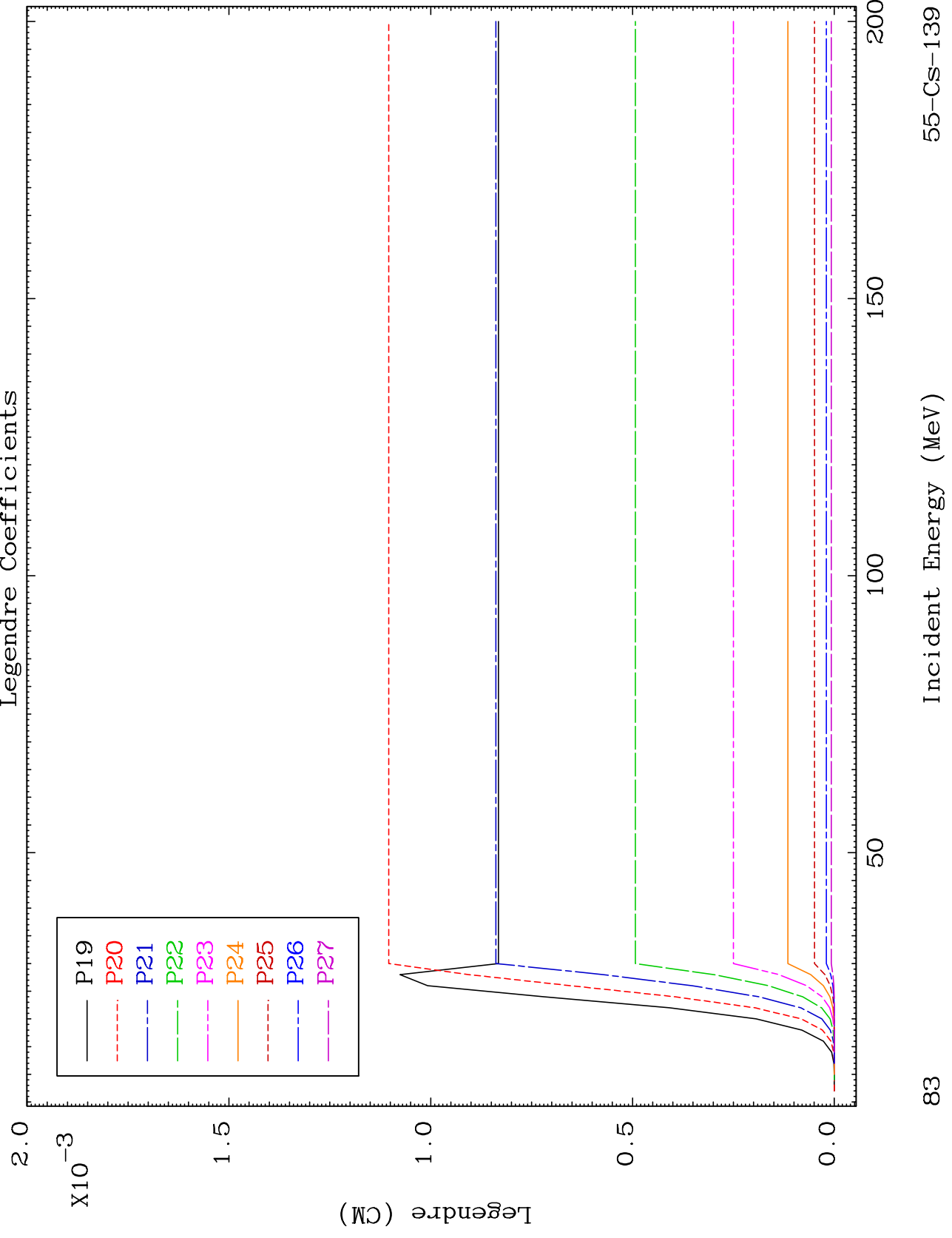
Incident Energy (MeV)

82

MAT 5543

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

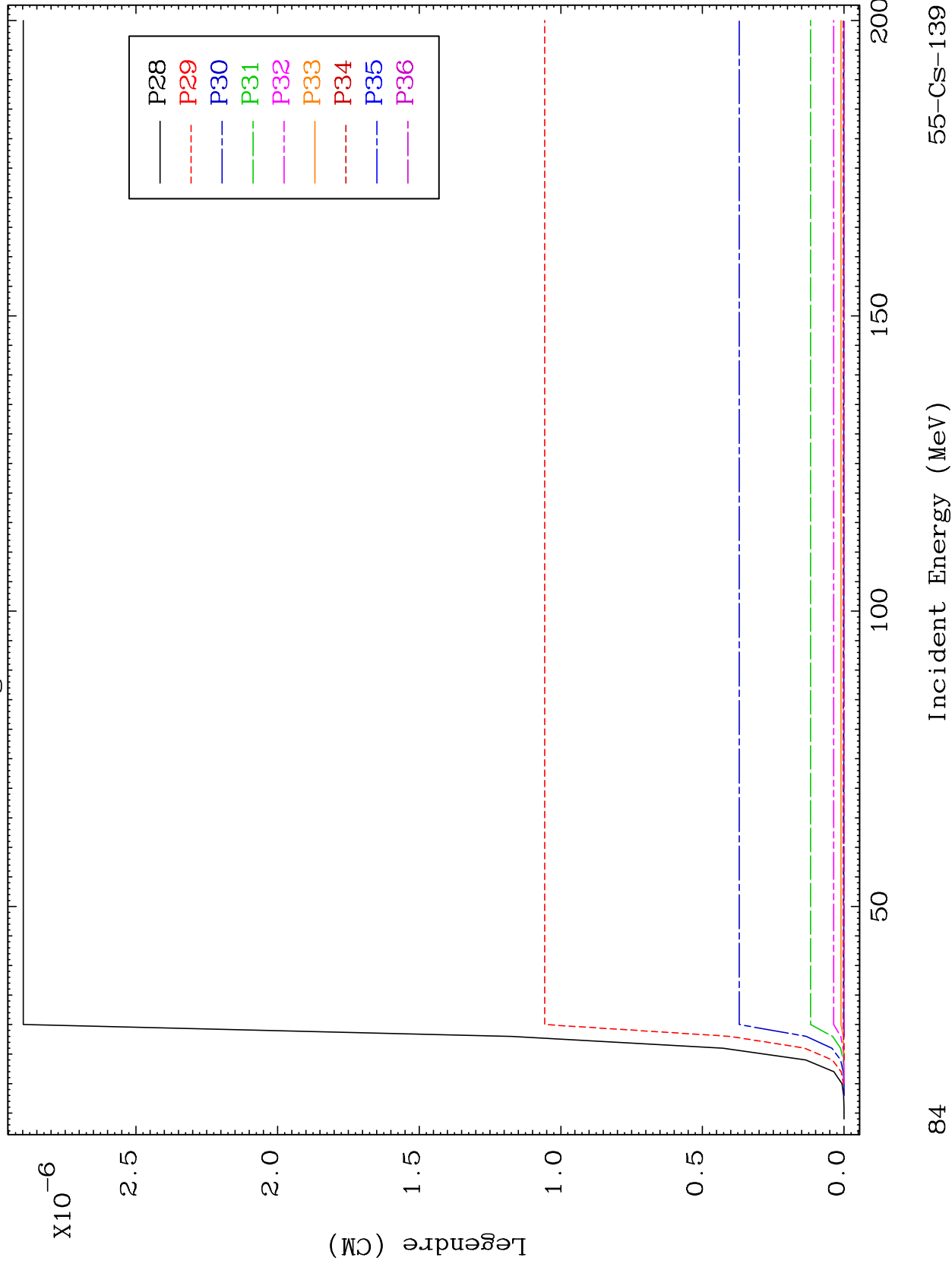
55-Cs-139



MAT 5543

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

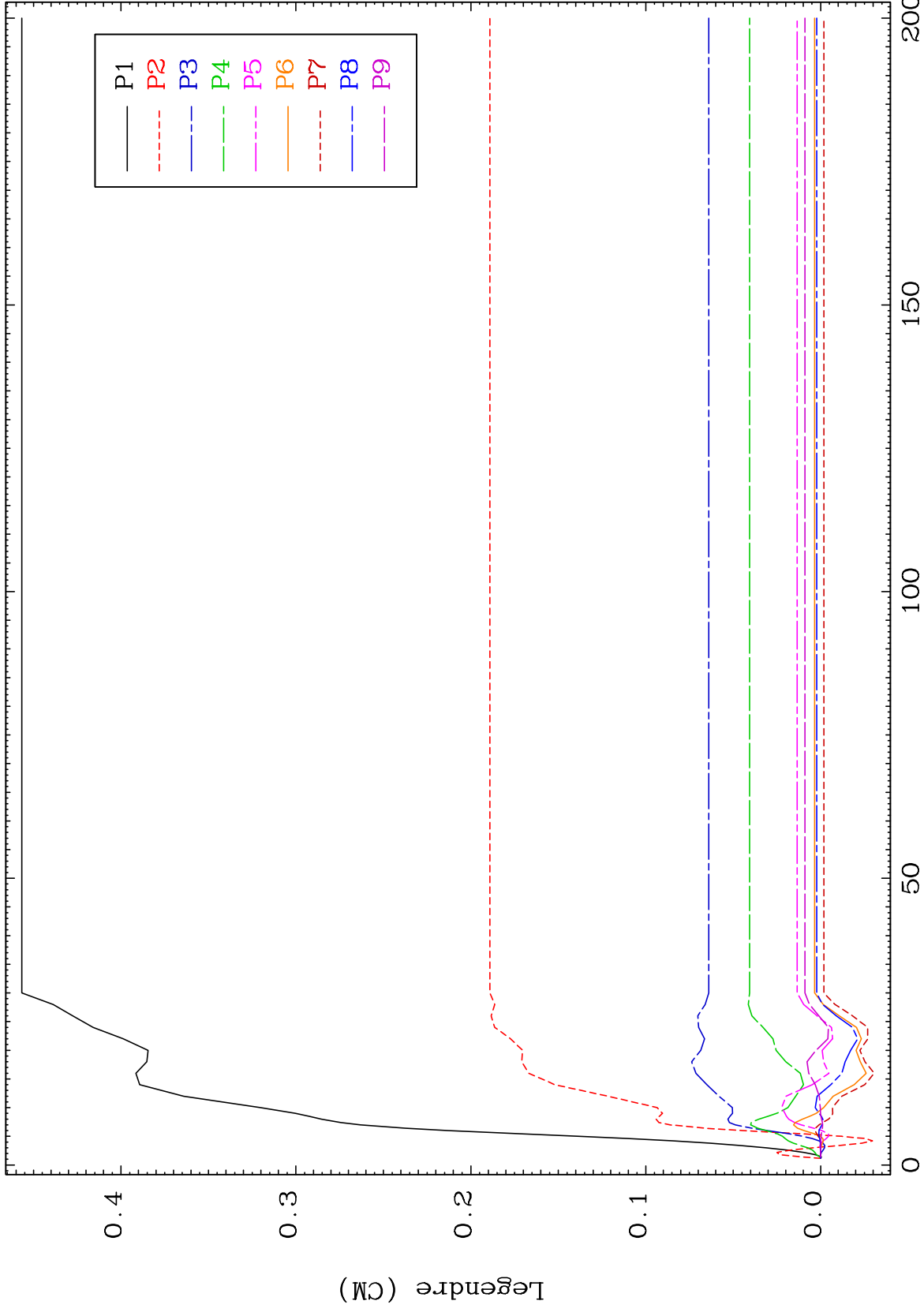
55-Cs-139



MAT 5543

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

55-Cs-139



85

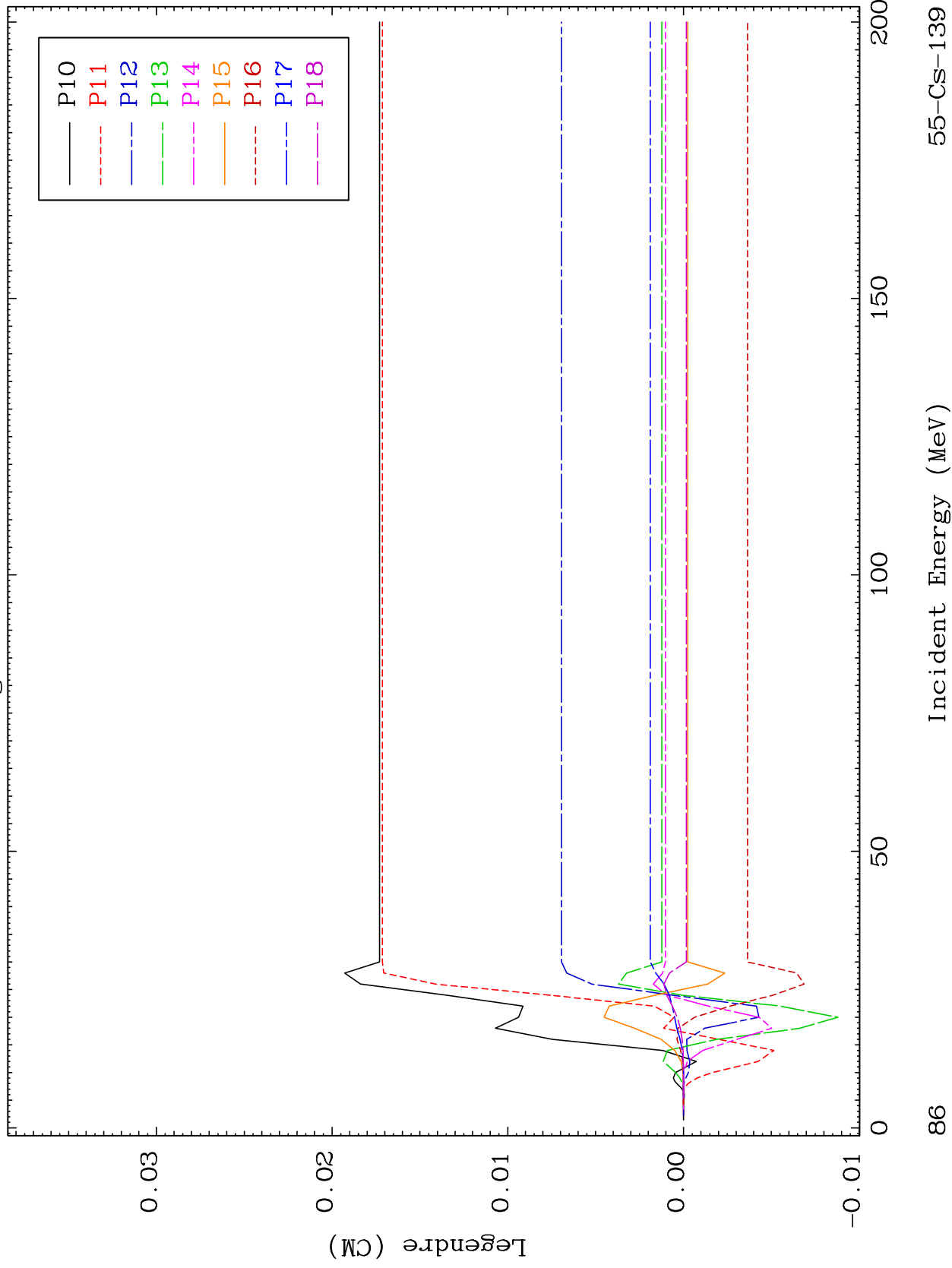
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139



55-Cs-139

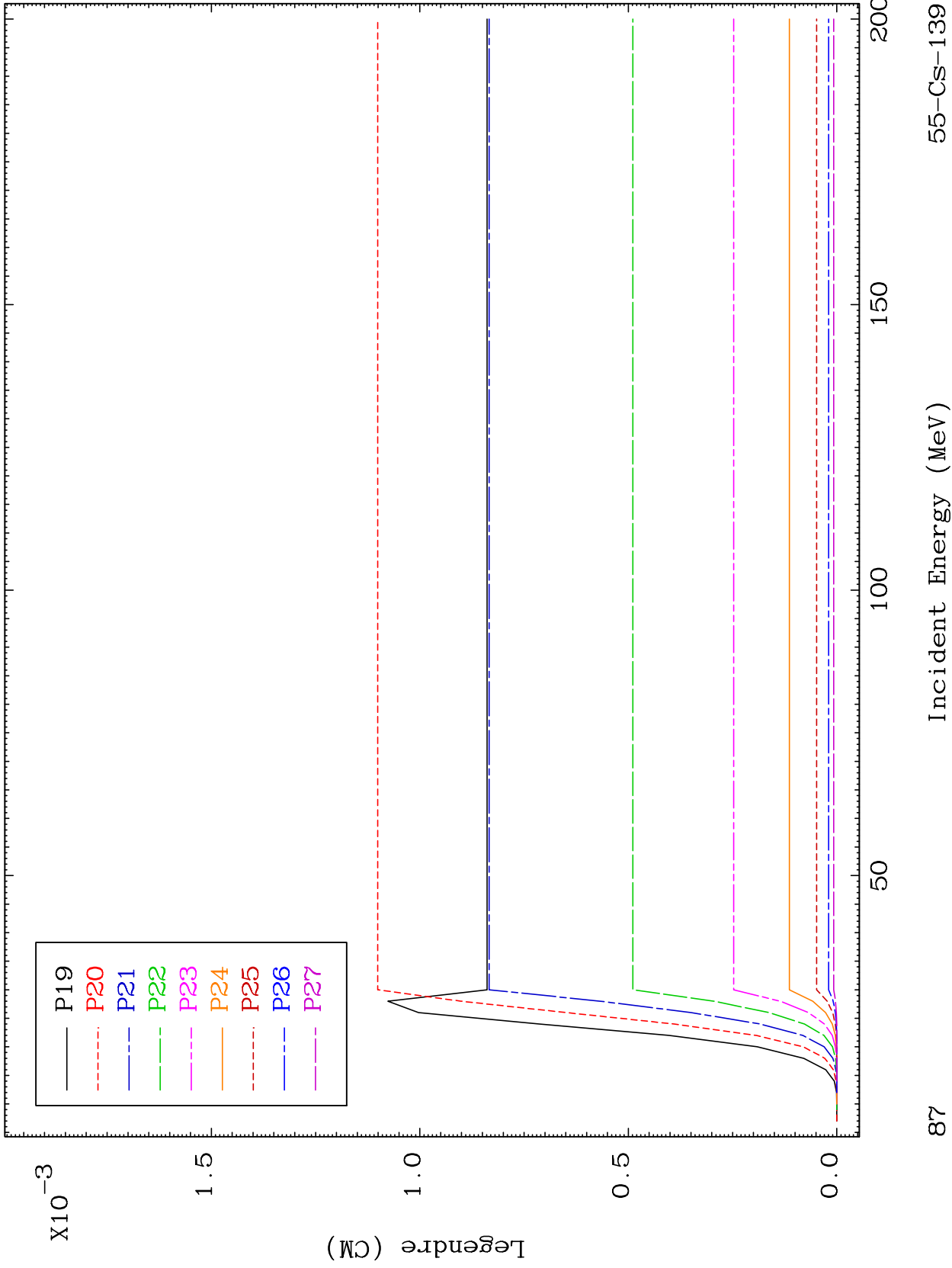
Incident Energy (MeV)

86

MAT 5543

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

55-Cs-139

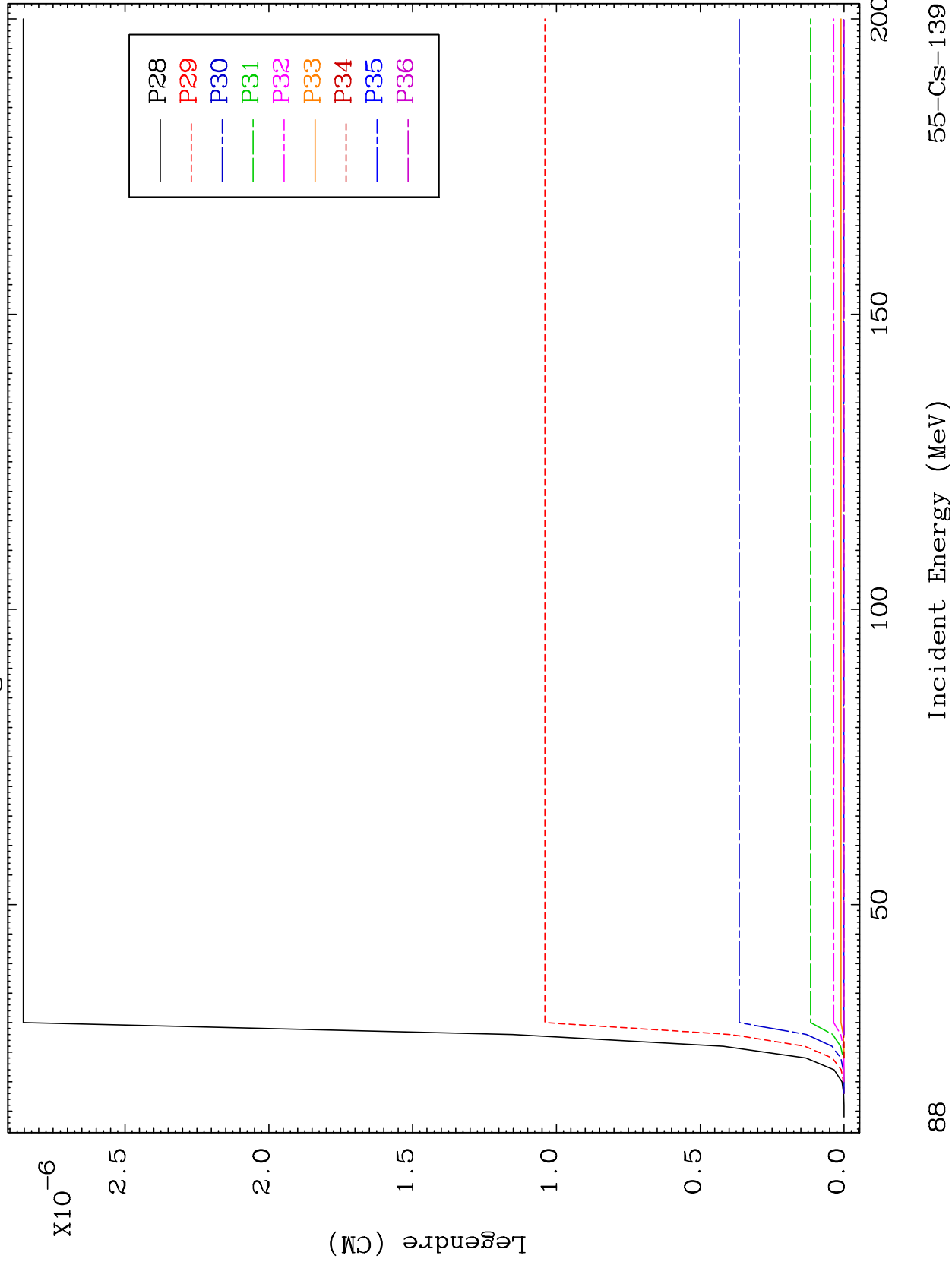




MAT 5543

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

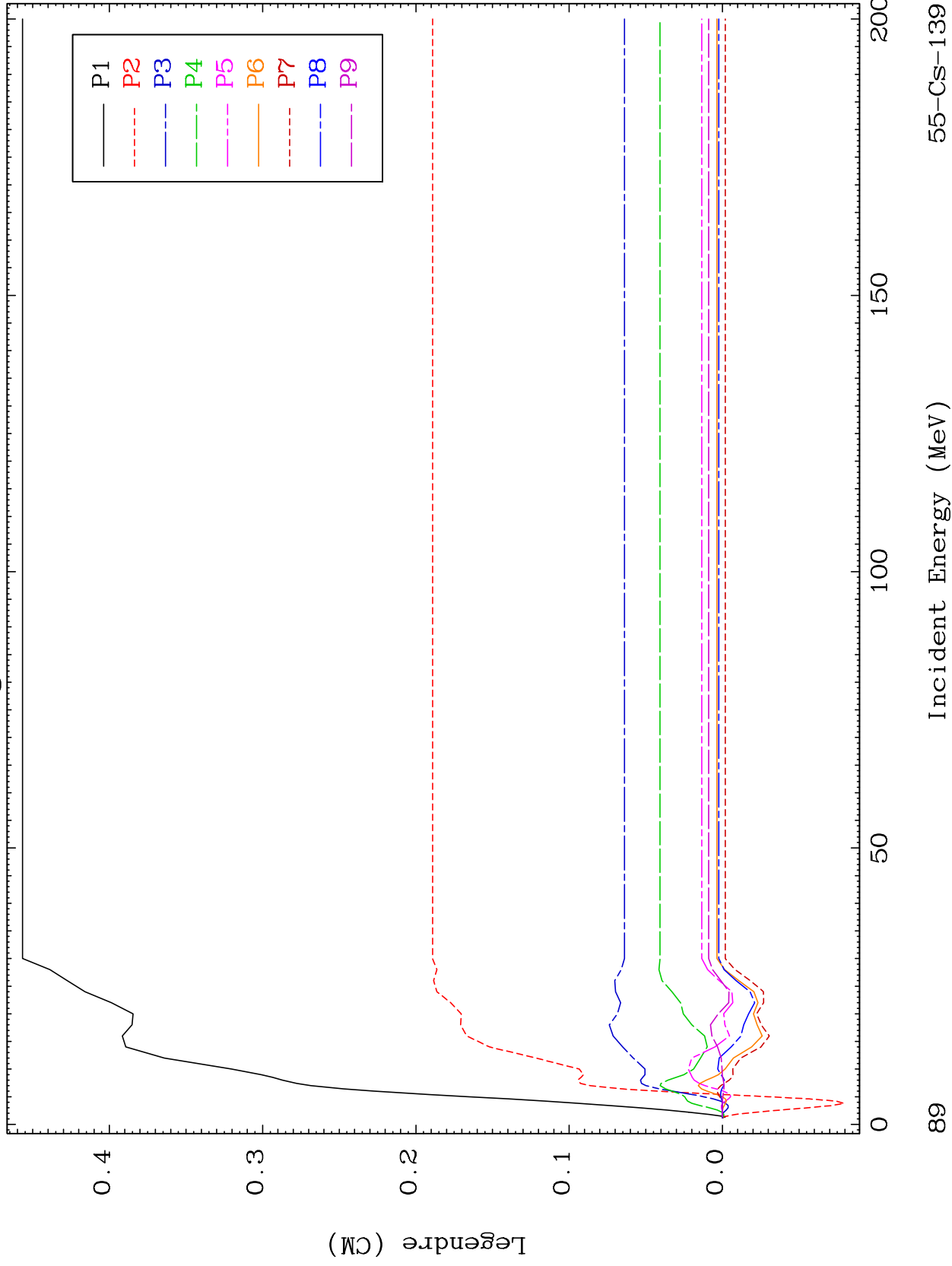
55-Cs-139



MAT 5543

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

55-Cs-139



55-Cs-139

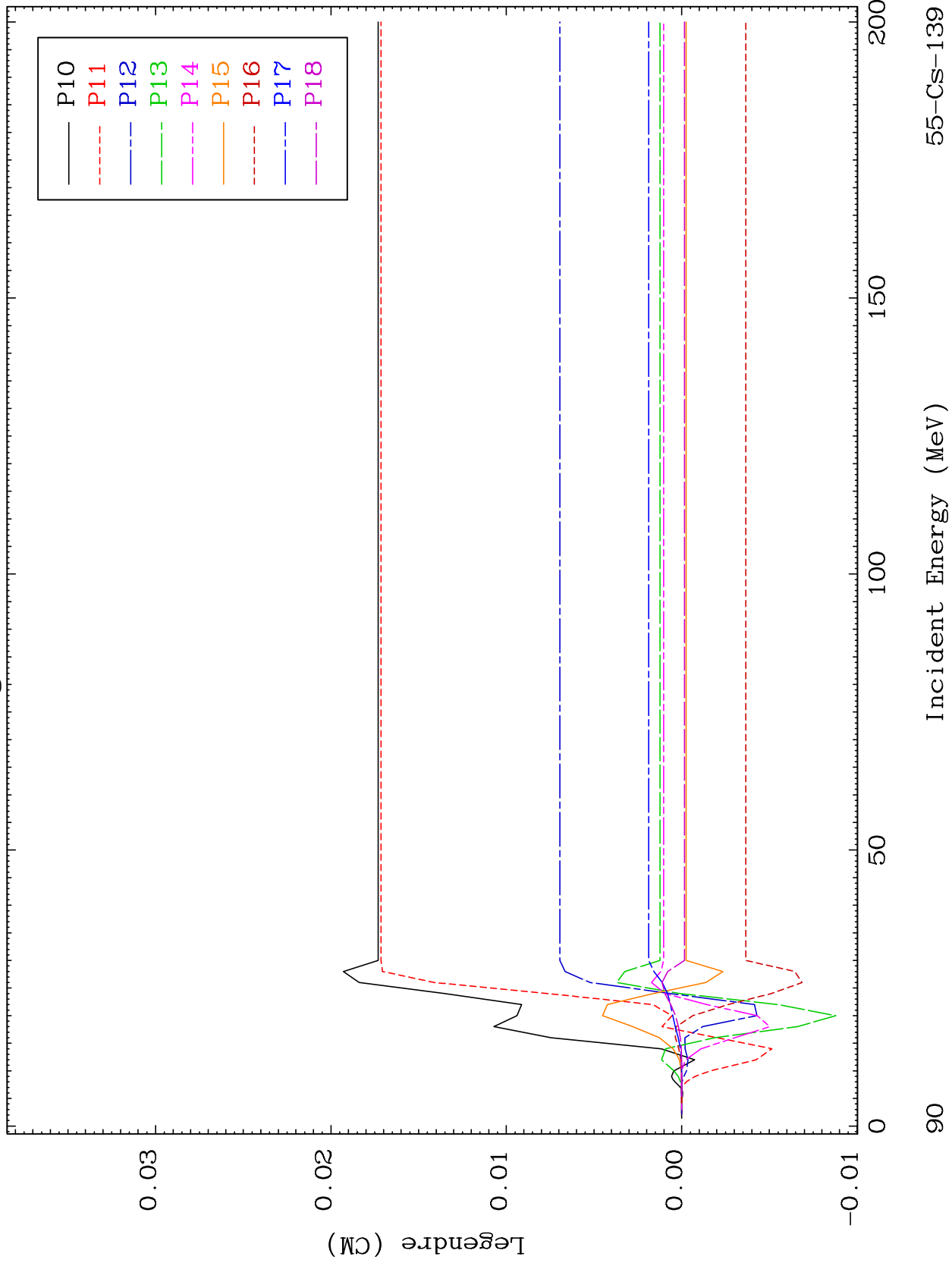
Incident Energy (MeV)

89

MAT 5543

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

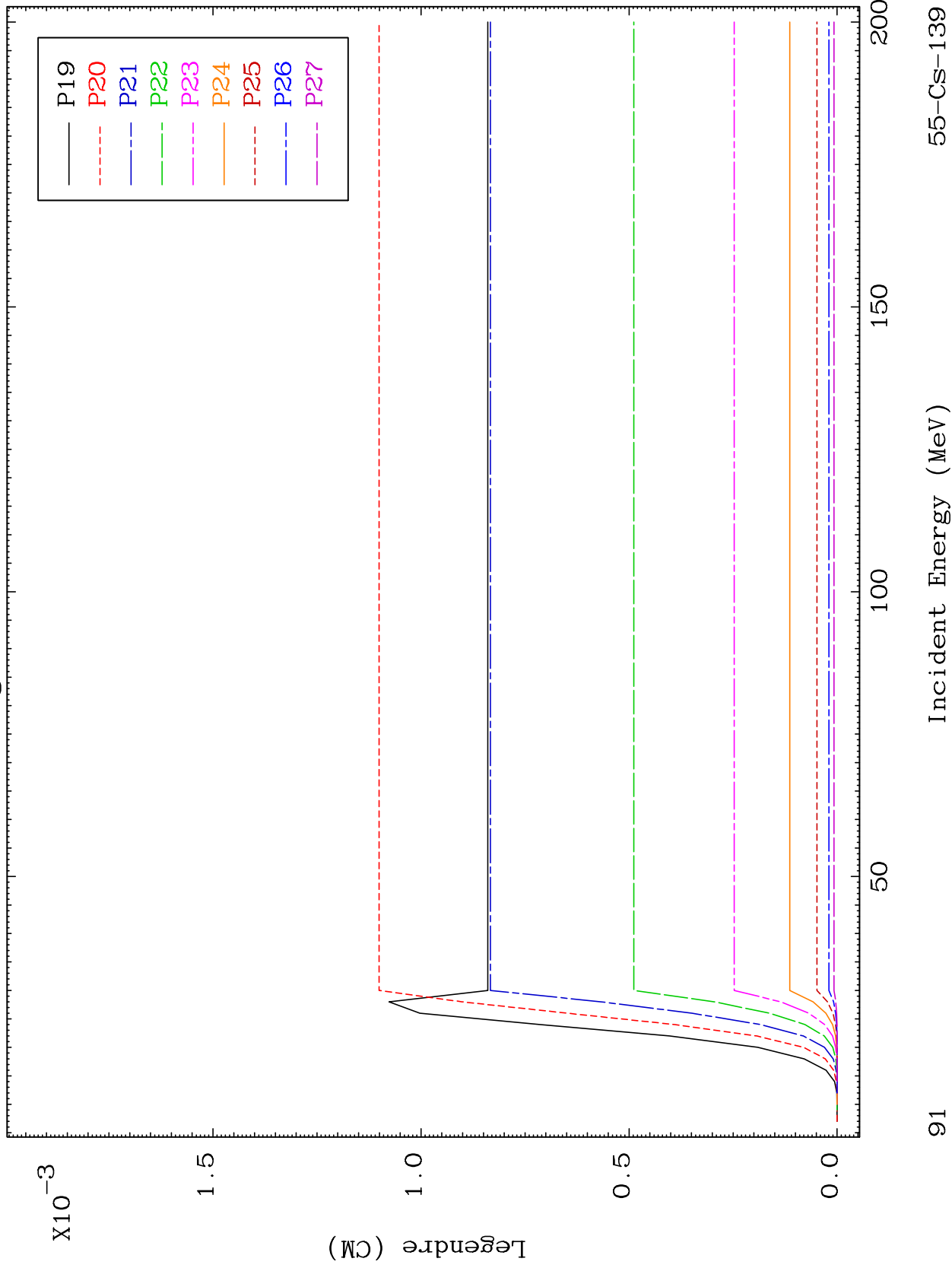
55-Cs-139



MAT 5543

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

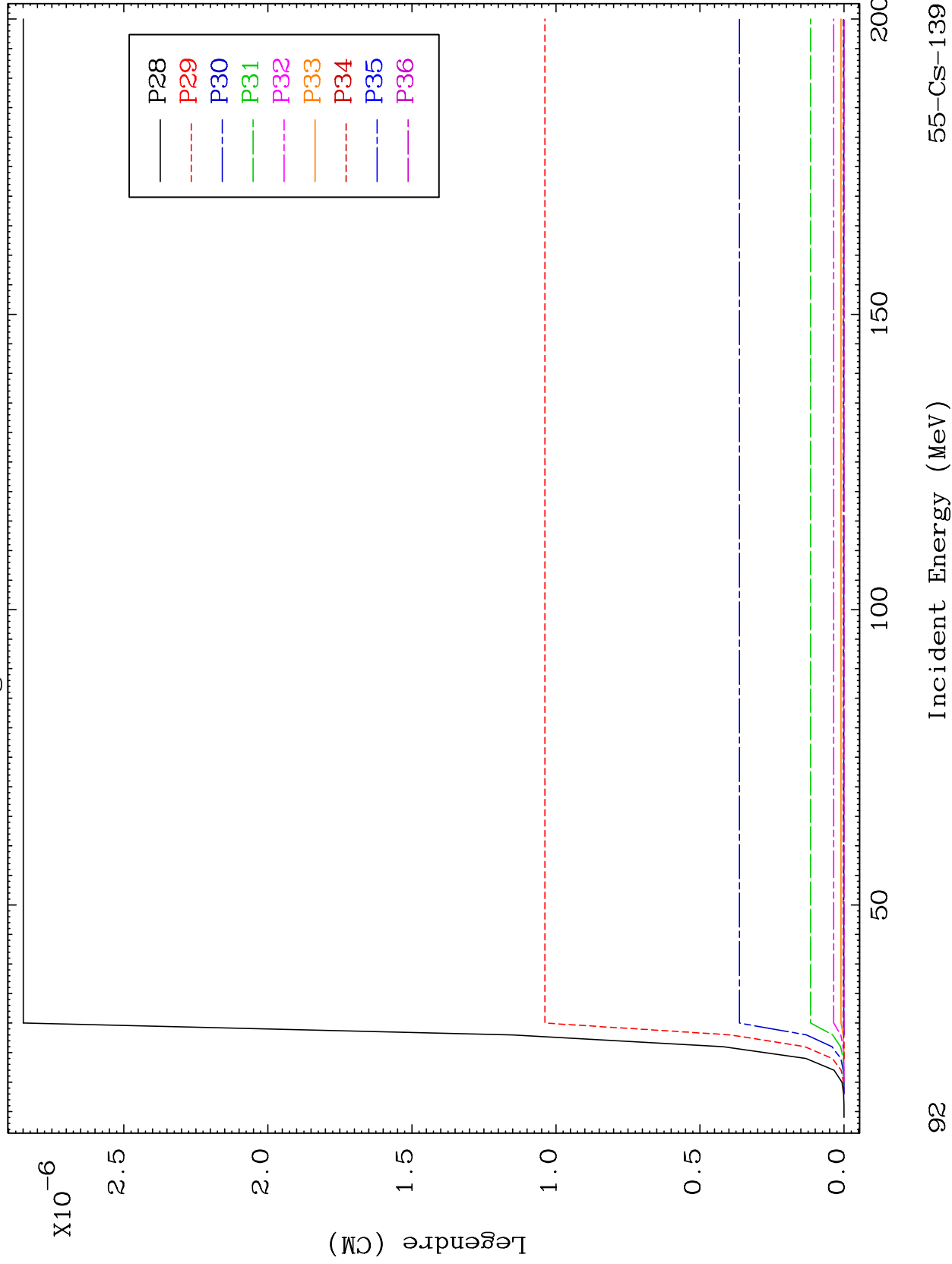
55-Cs-139



MAT 5543

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

55-Cs-139

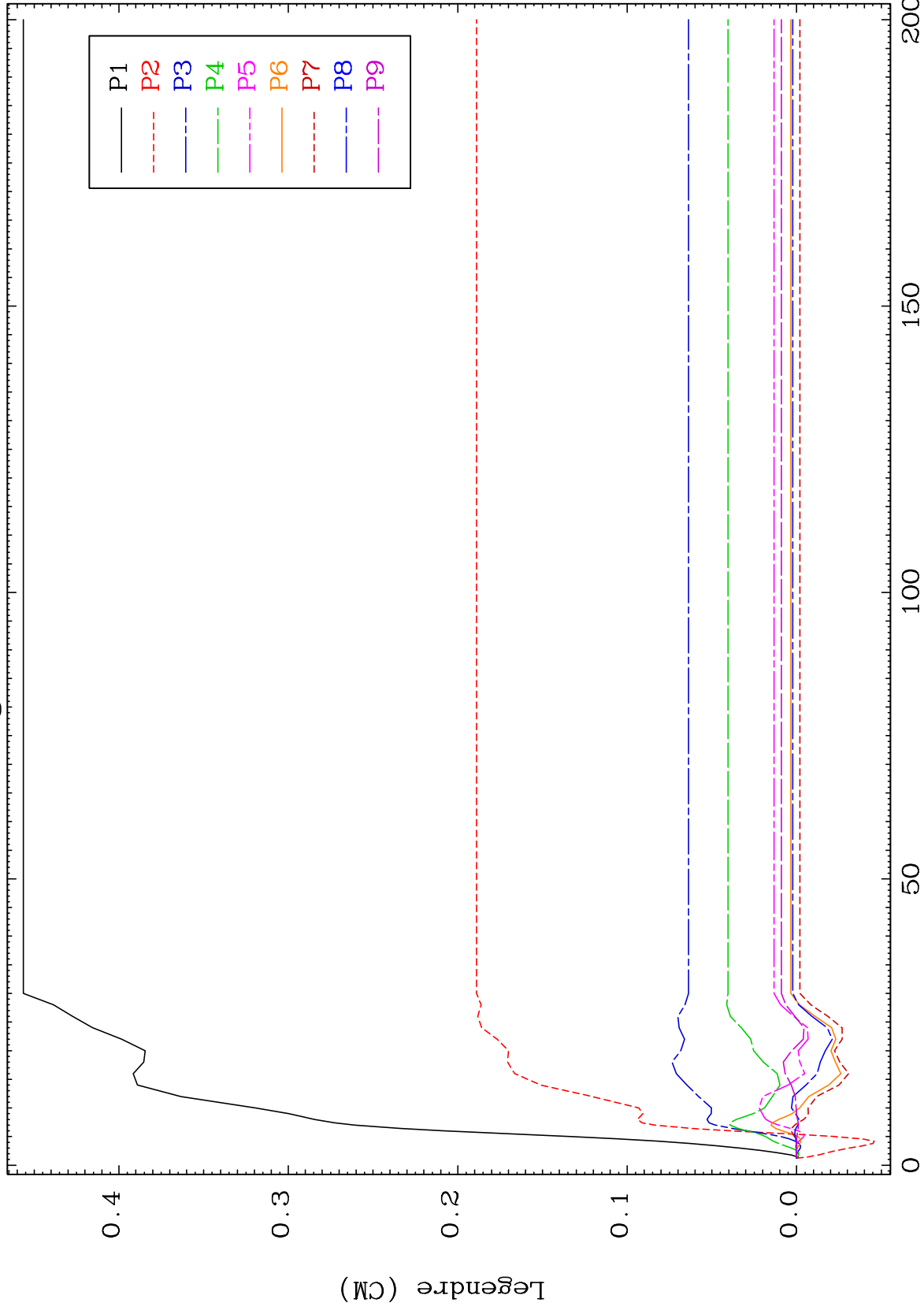


92

MAT 5543

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

55-Cs-139



93

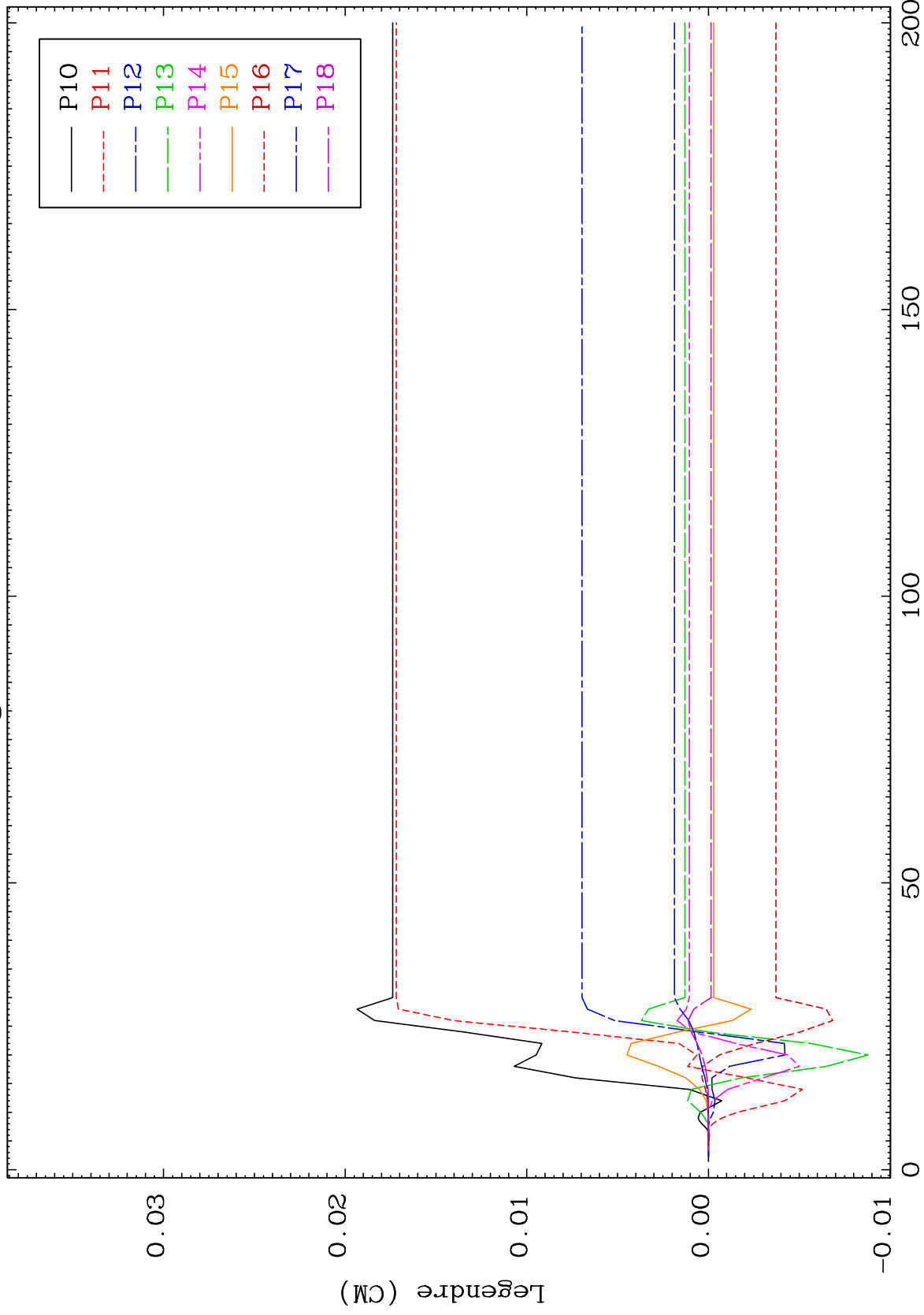
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139



94

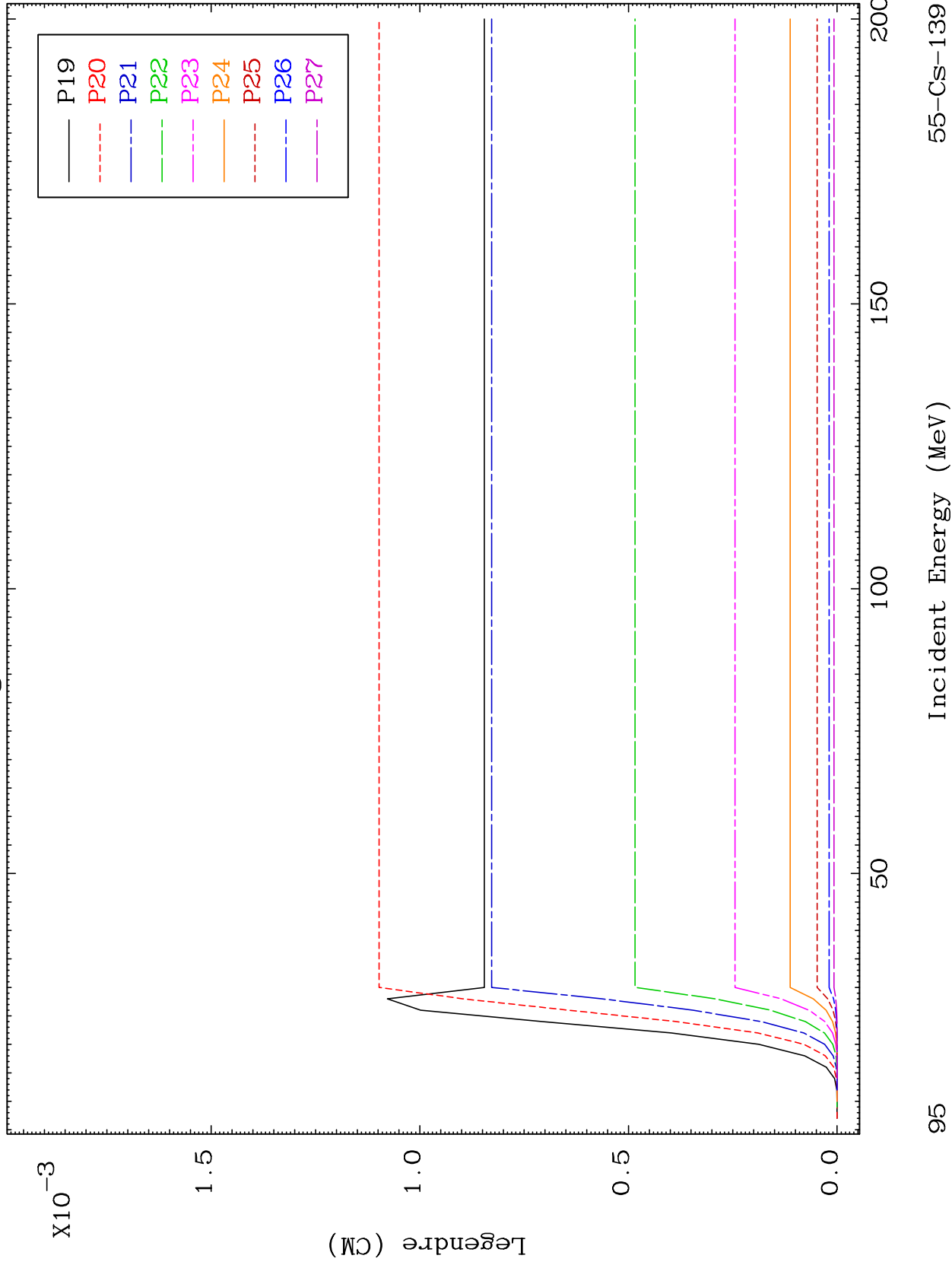
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139



95

Incident Energy (MeV)

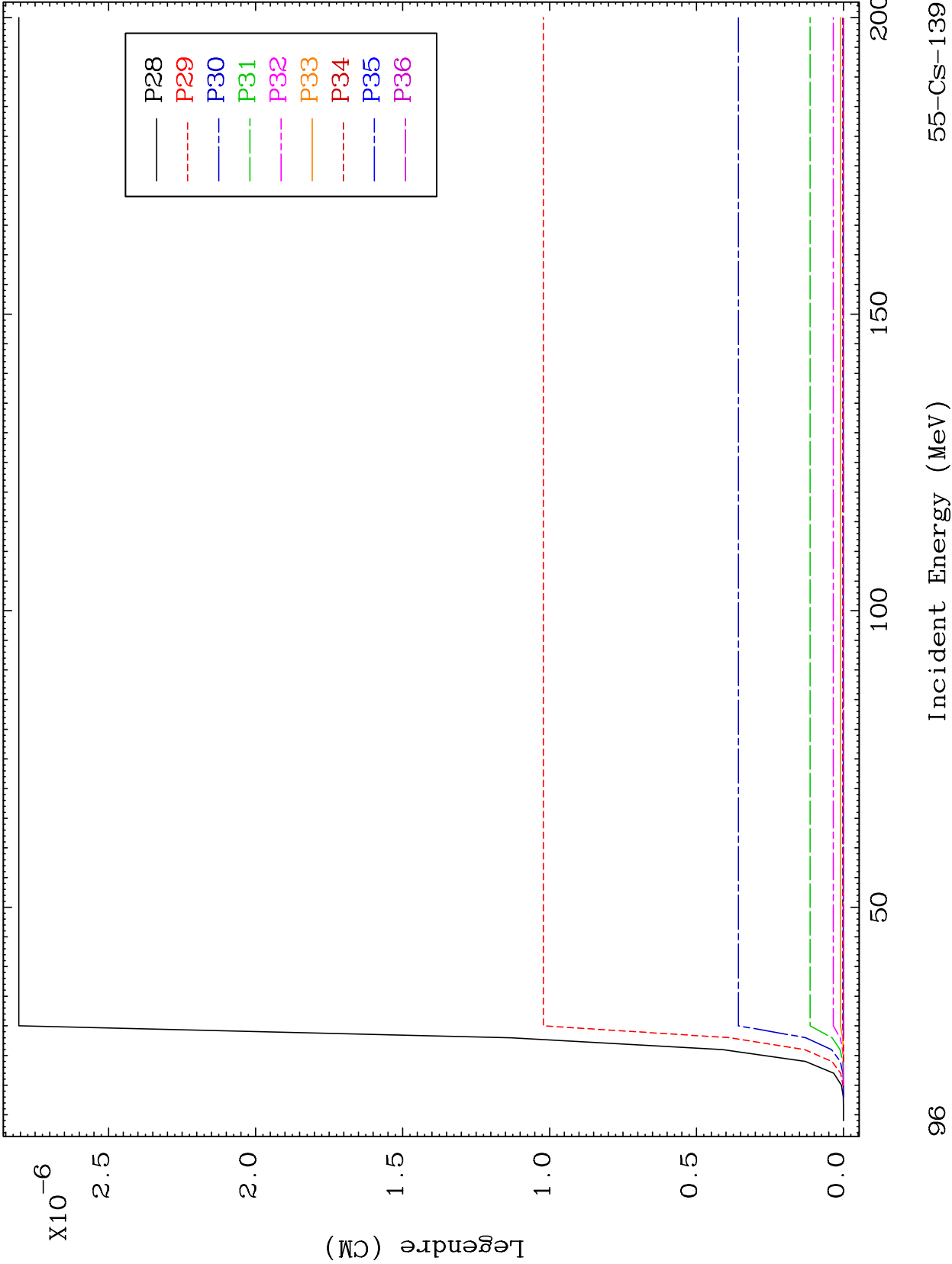
55-Cs-139



MAT 5543

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

55-Cs-139



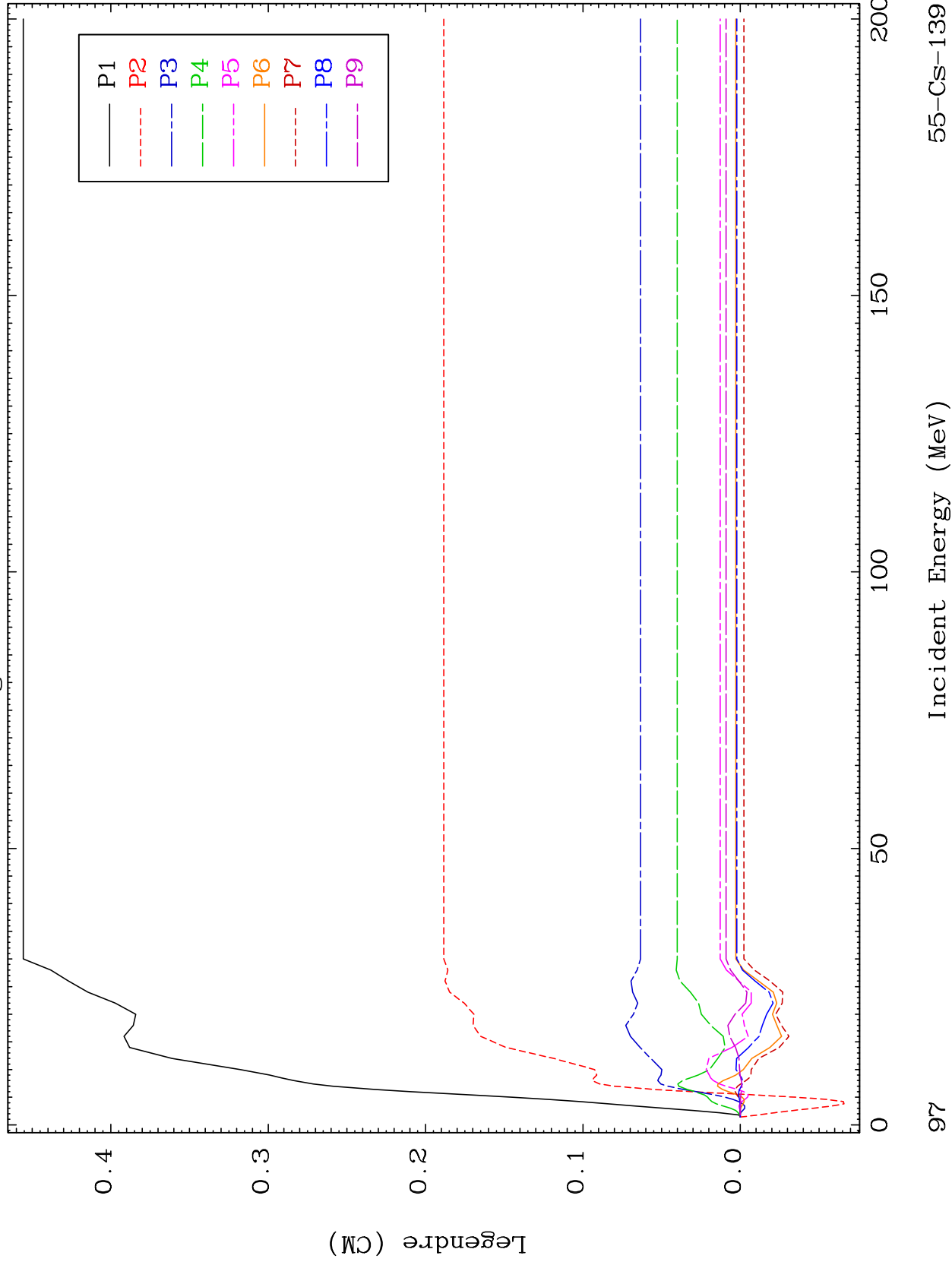
96

55-Cs-139

MAT 5543

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

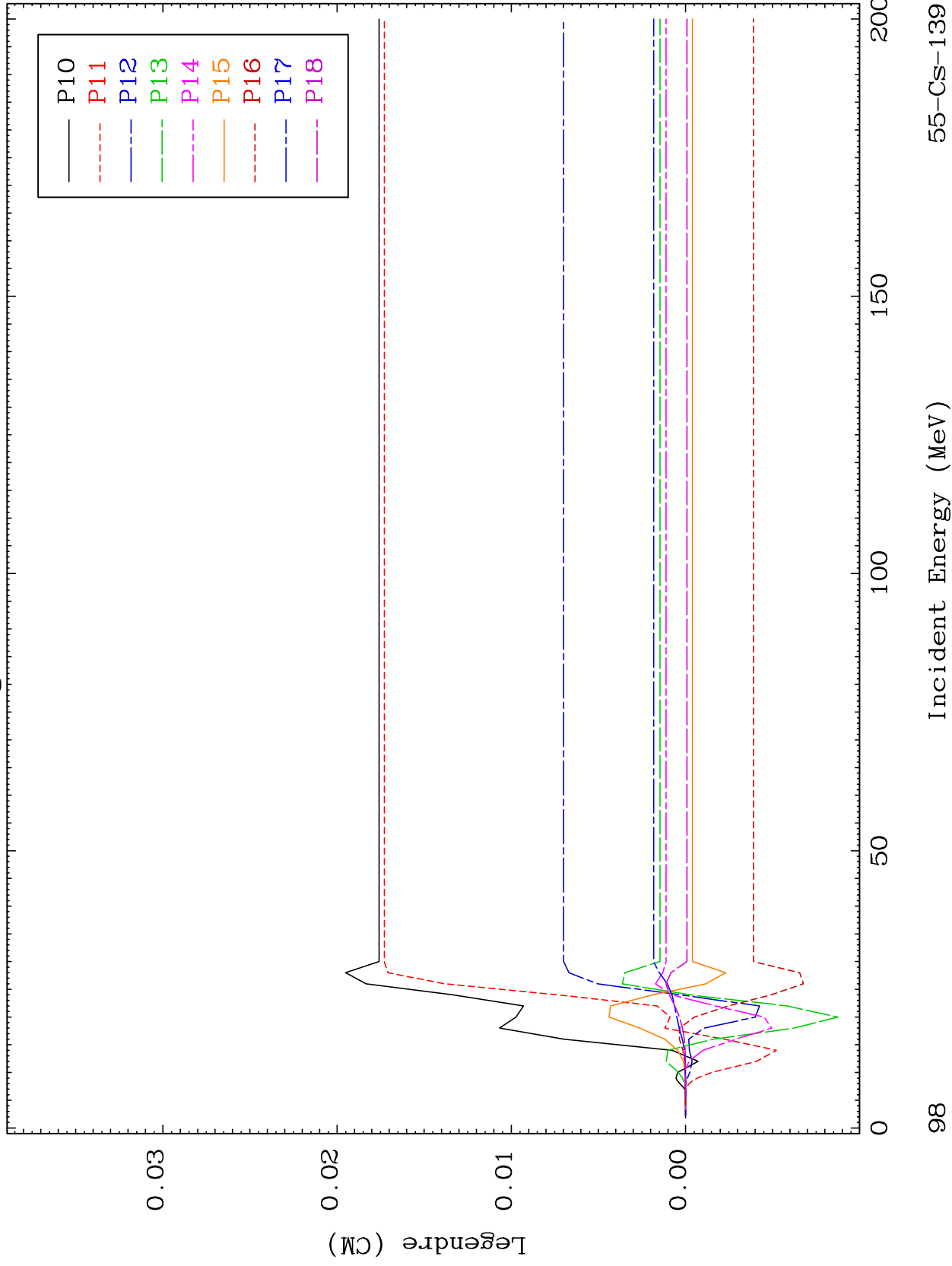
55-Cs-139



MAT 5543

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

55-Cs-139



55-Cs-139

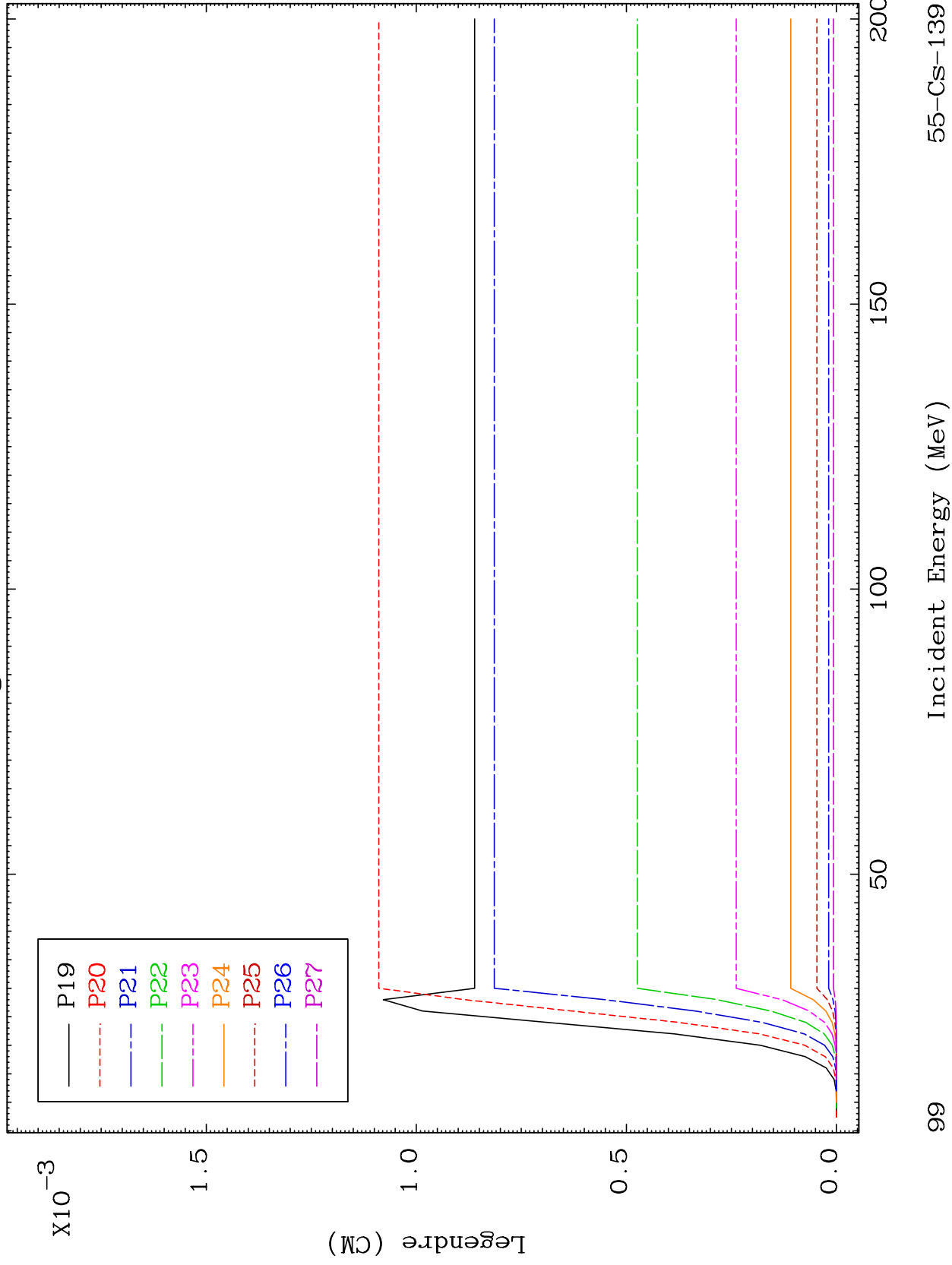
Incident Energy (MeV)

98

MAT 5543

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

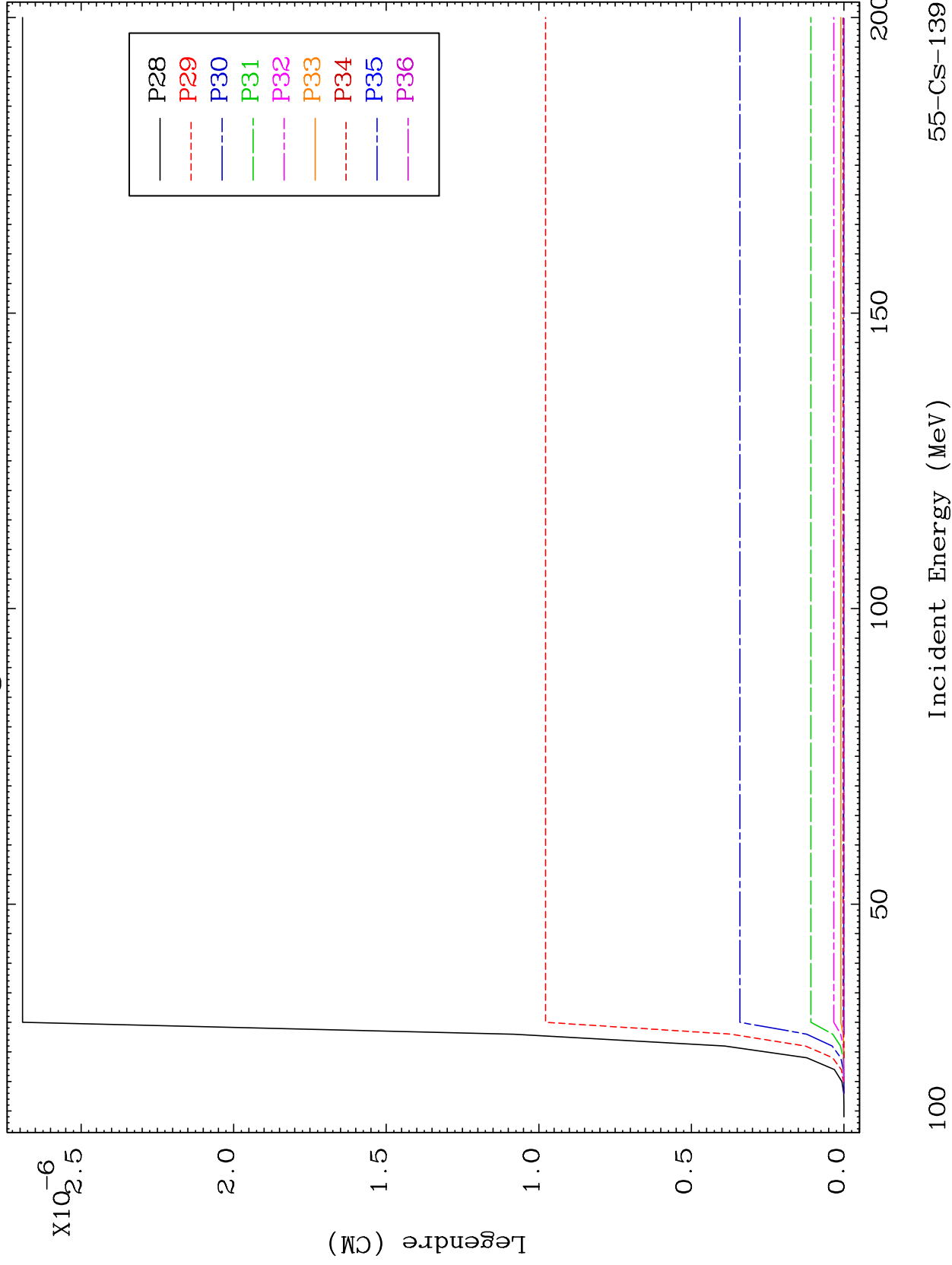
55-Cs-139



MAT 5543

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

55-Cs-139

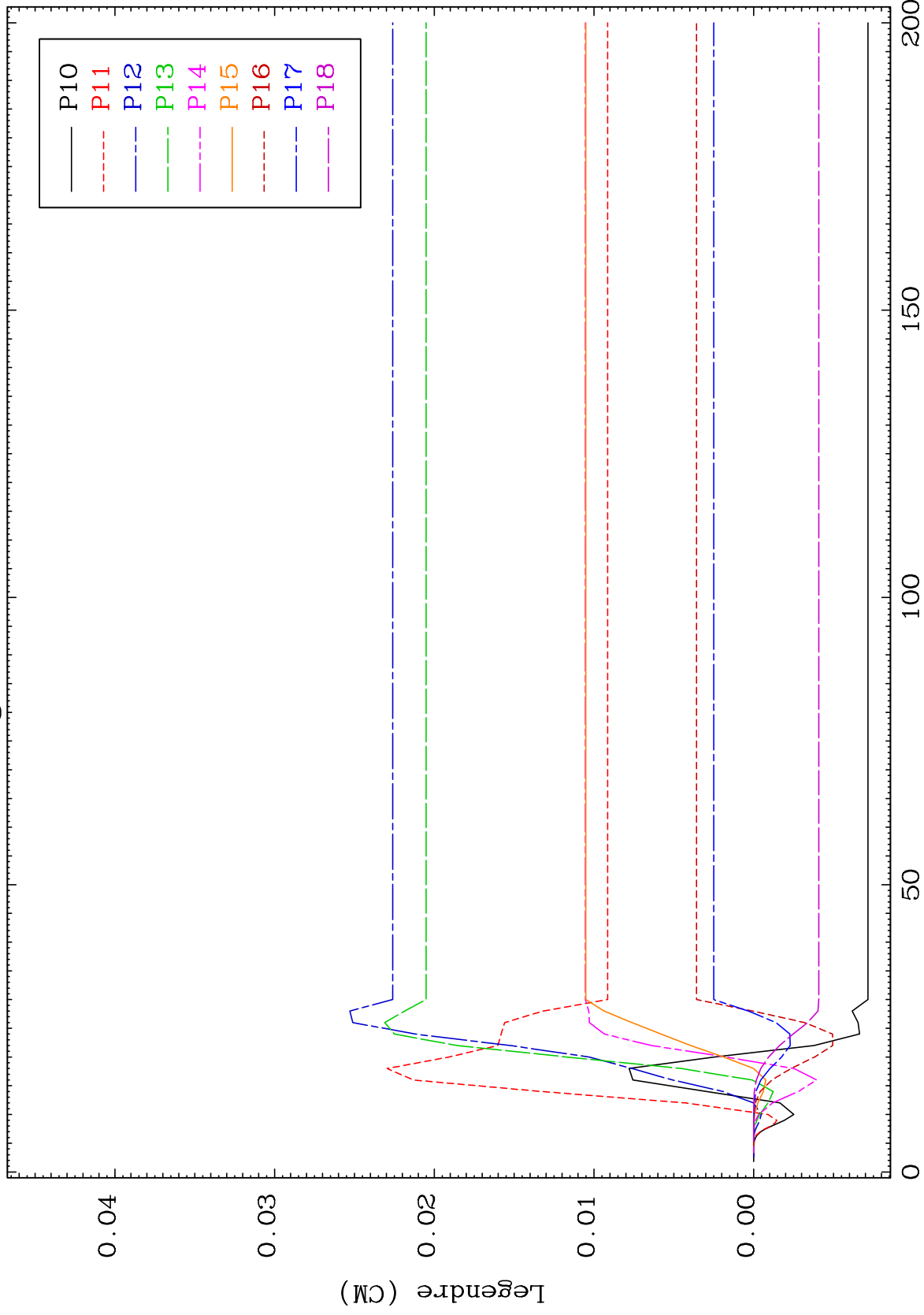




MAT 5543

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

55-Cs-139



102

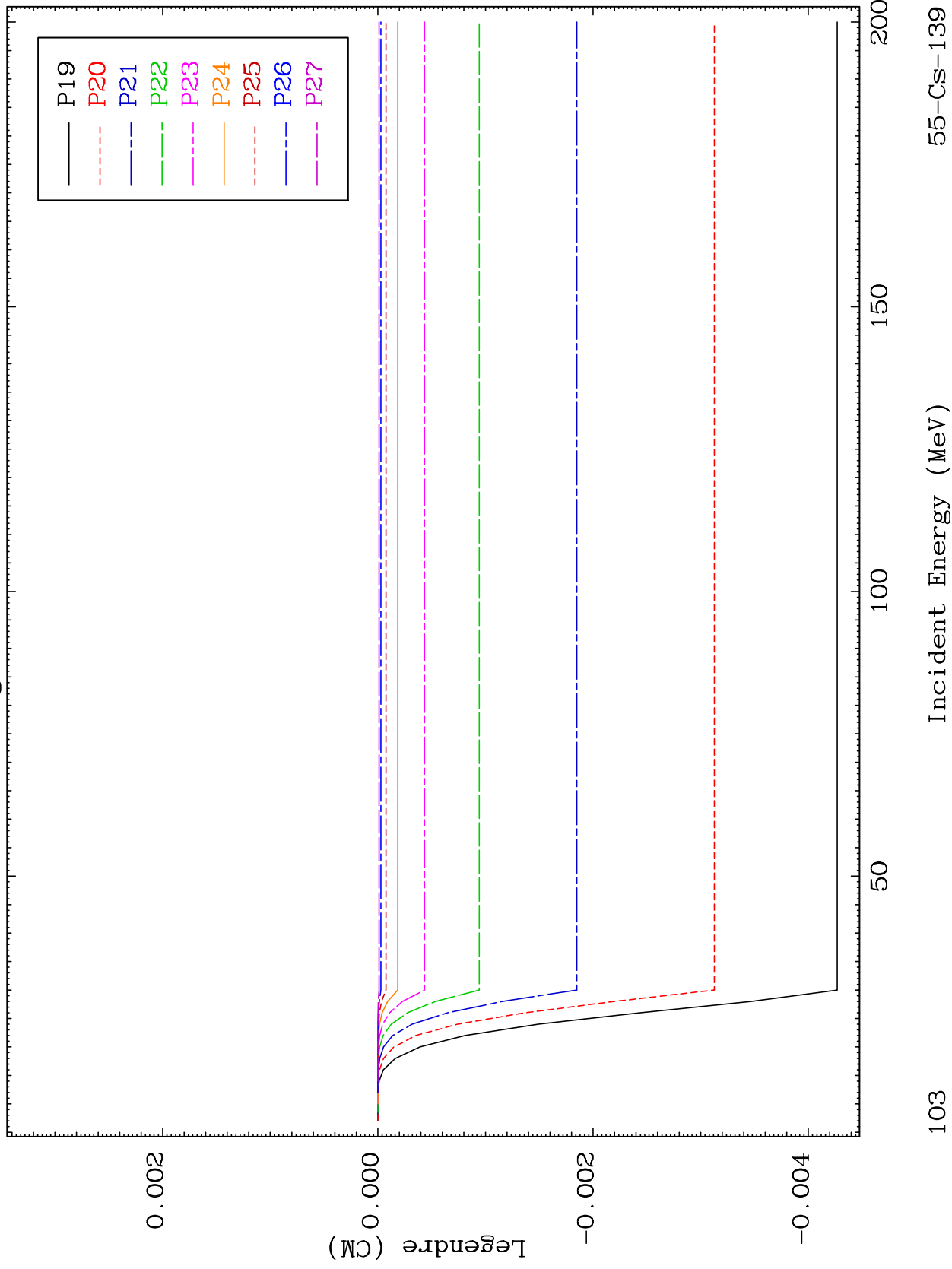
Incident Energy (MeV)

55-Cs-139

MAT 5543

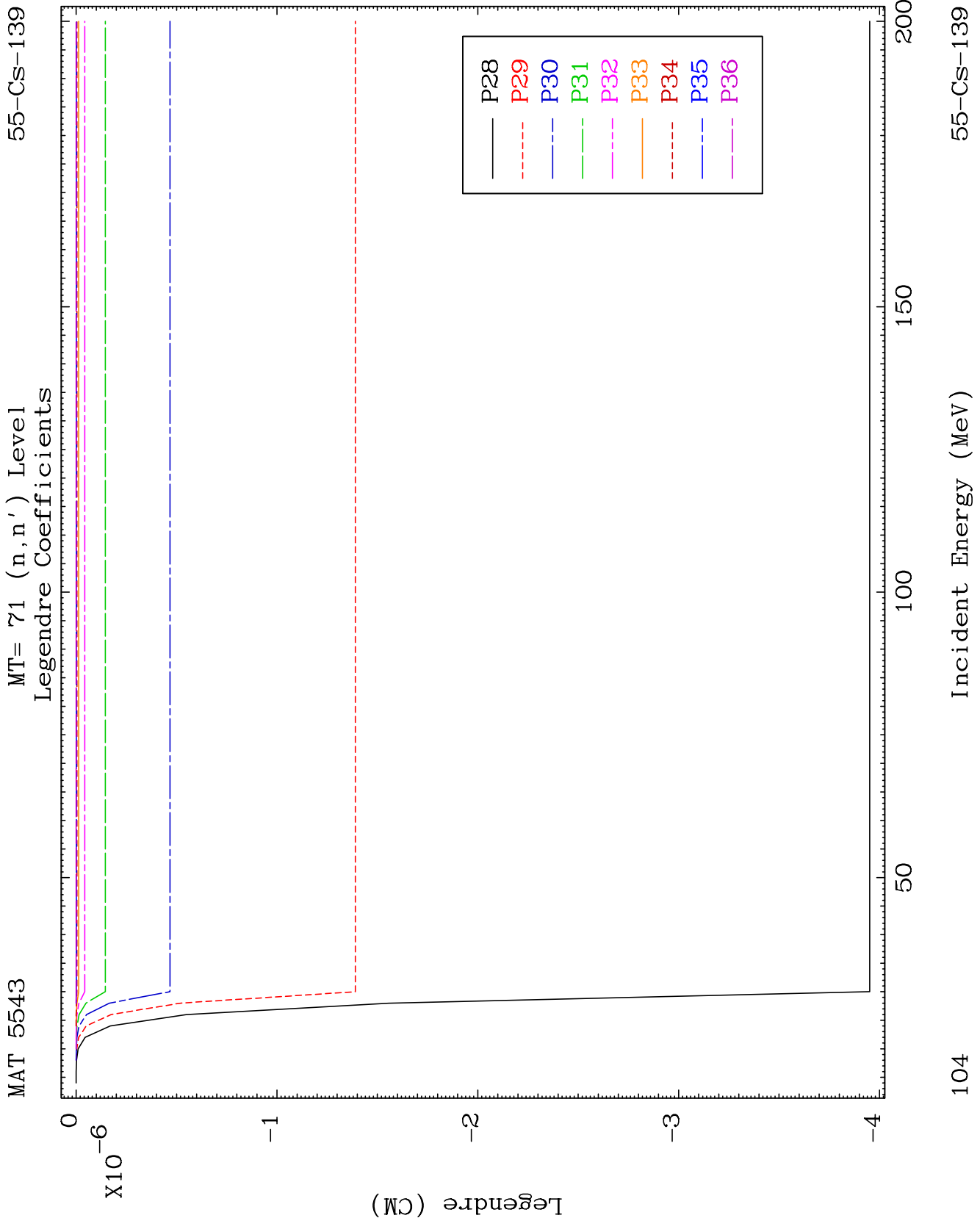
MT= 71 (n,n') Level  
Legendre Coefficients

55-Cs-139



103

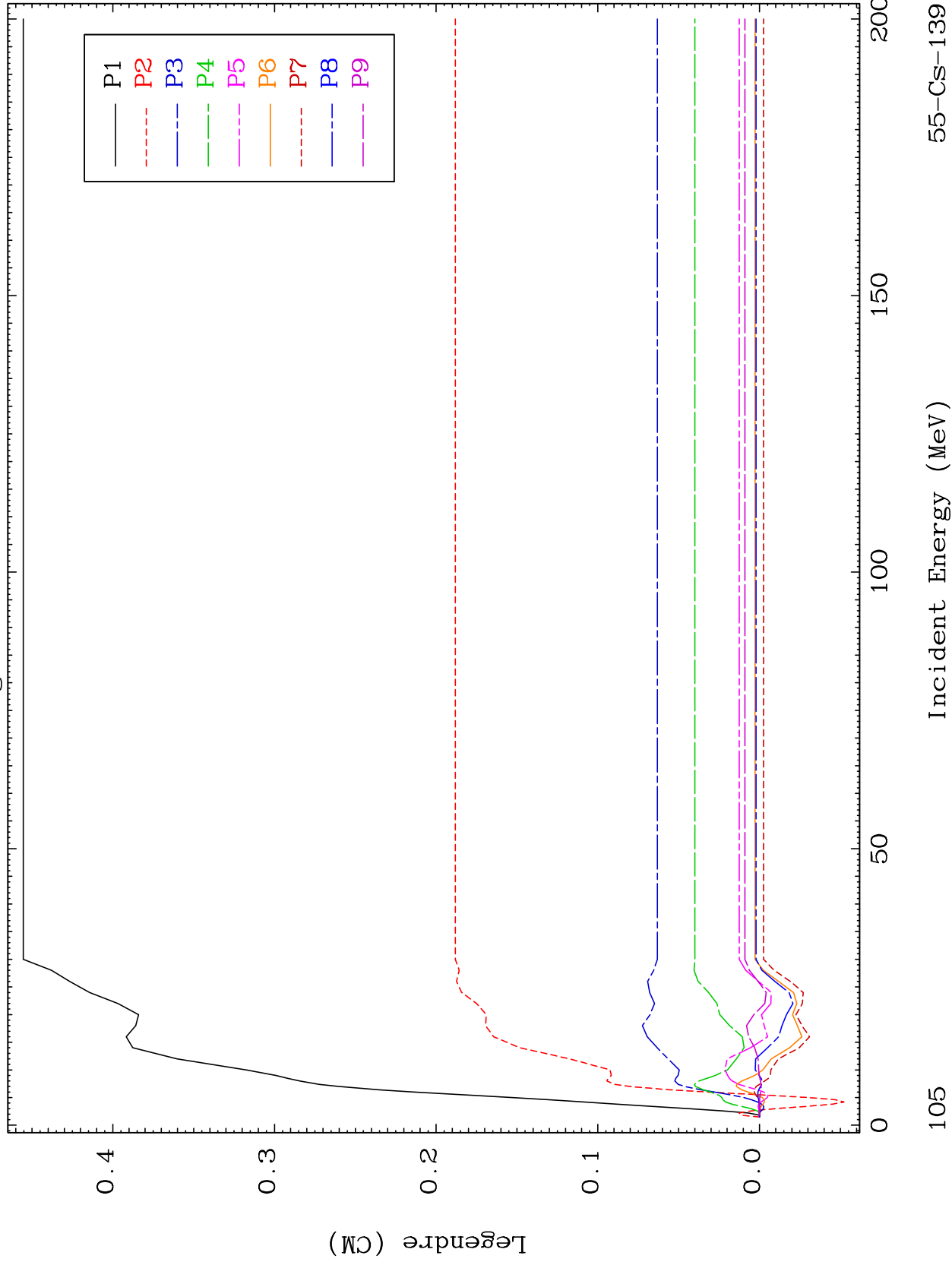




MAT 5543

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

55-Cs-139



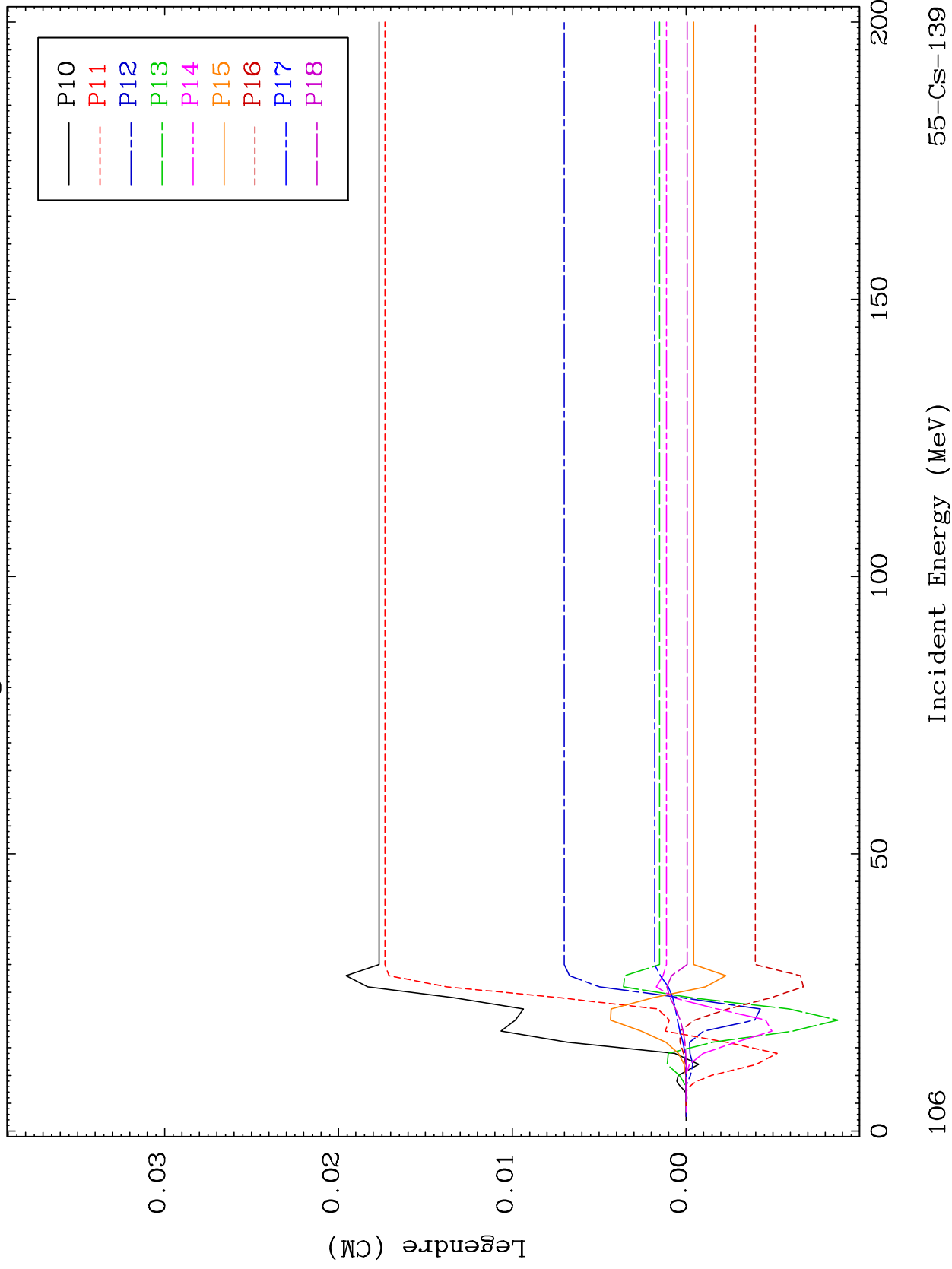
55-Cs-139

Incident Energy (MeV)

MAT 5543

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

55-Cs-139



55-Cs-139

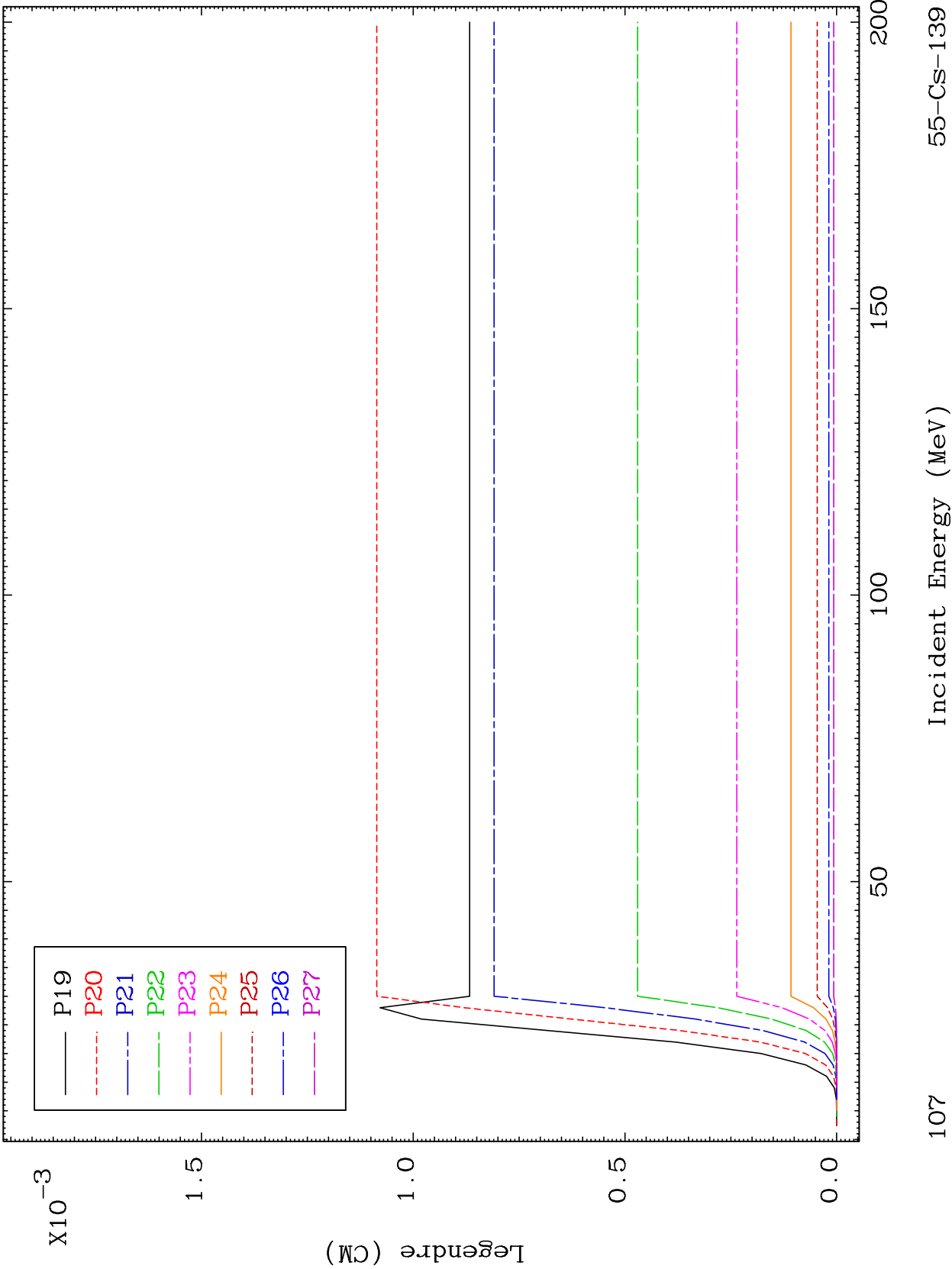
Incident Energy (MeV)

106

MAT 5543

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

55-Cs-139



107

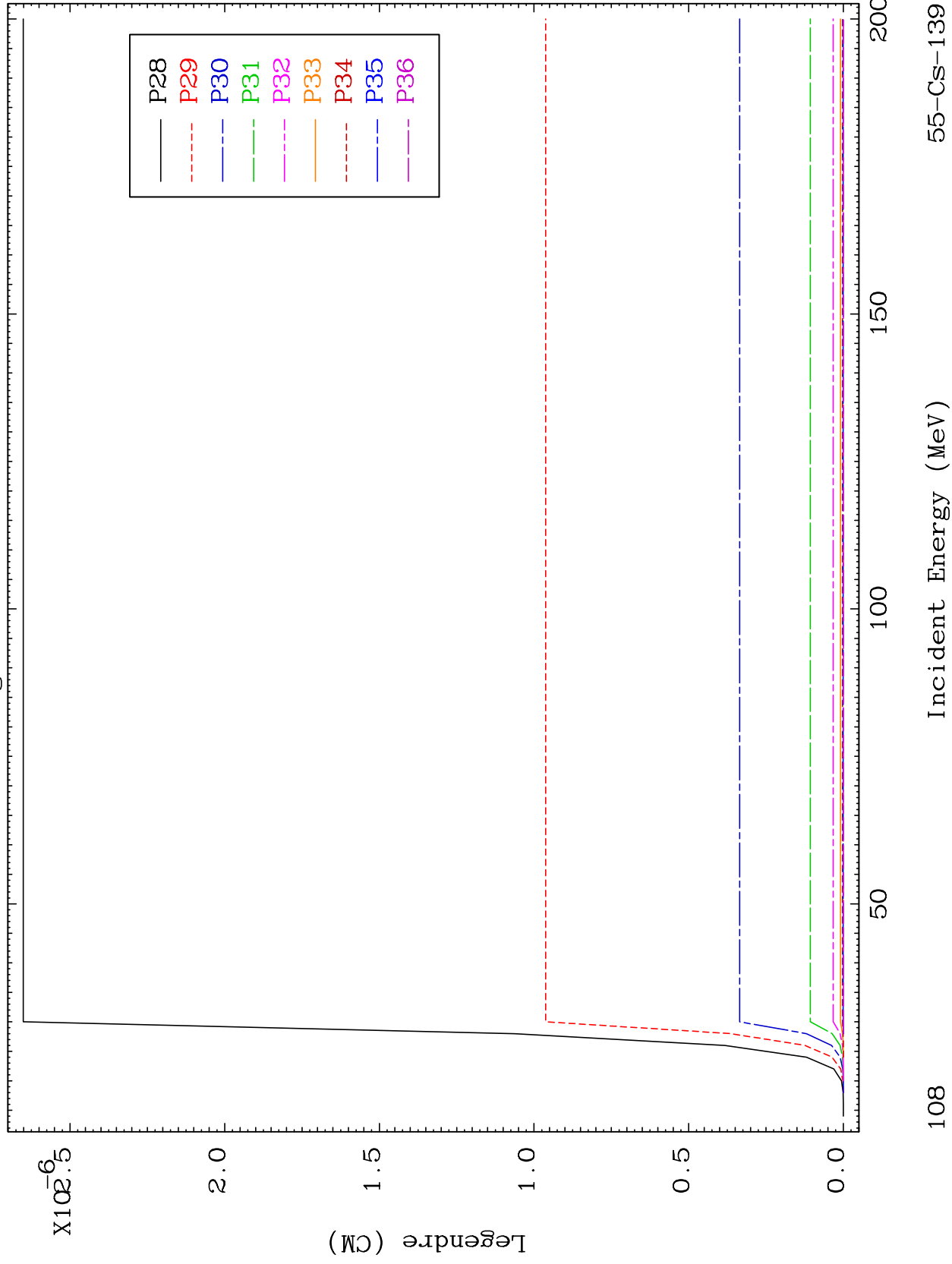
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

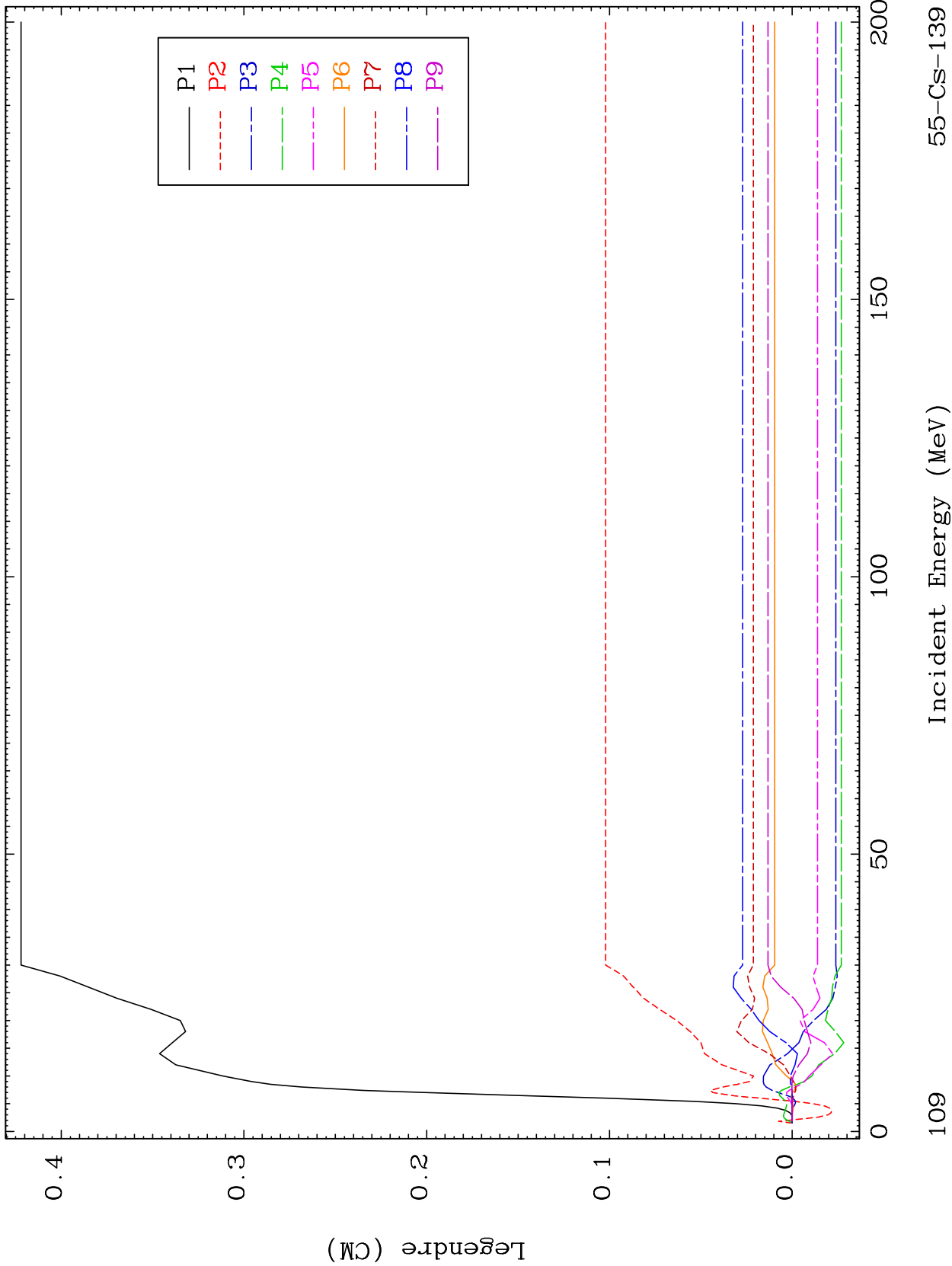
55-Cs-139



MAT 5543

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

55-Cs-139



55-Cs-139

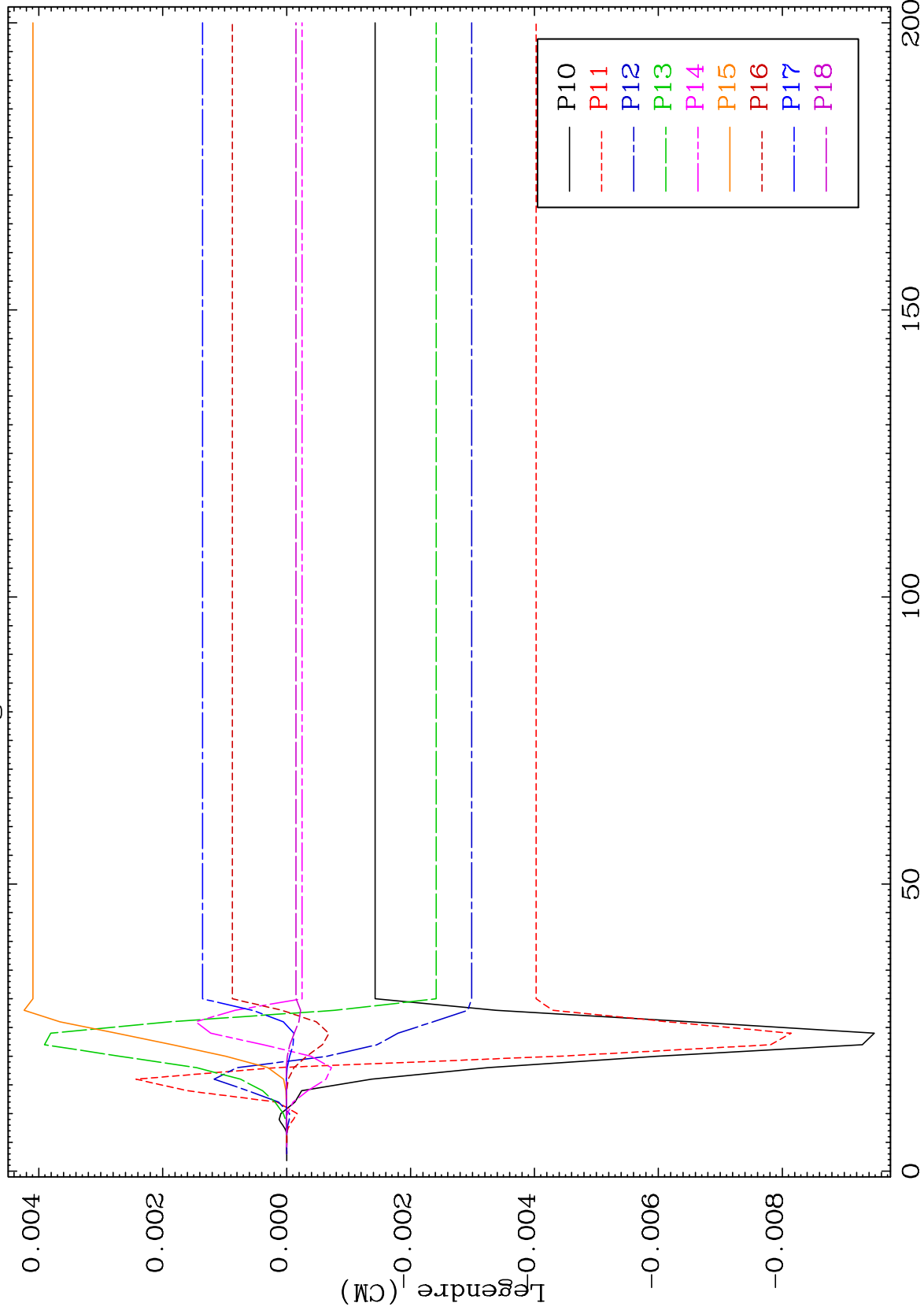
Incident Energy (MeV)

109

MAT 5543

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

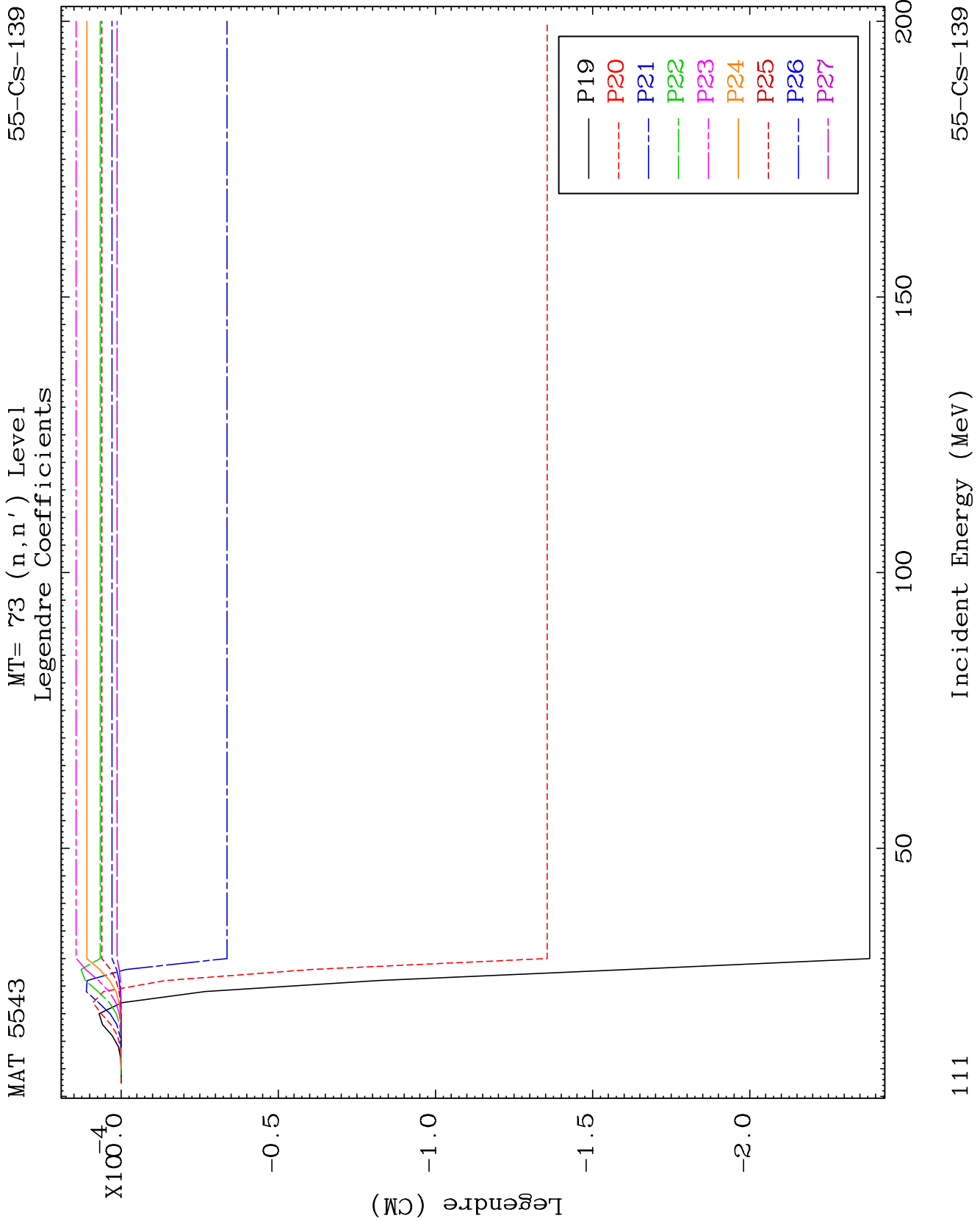
55-Cs-139



55-Cs-139

Incident Energy (MeV)

110

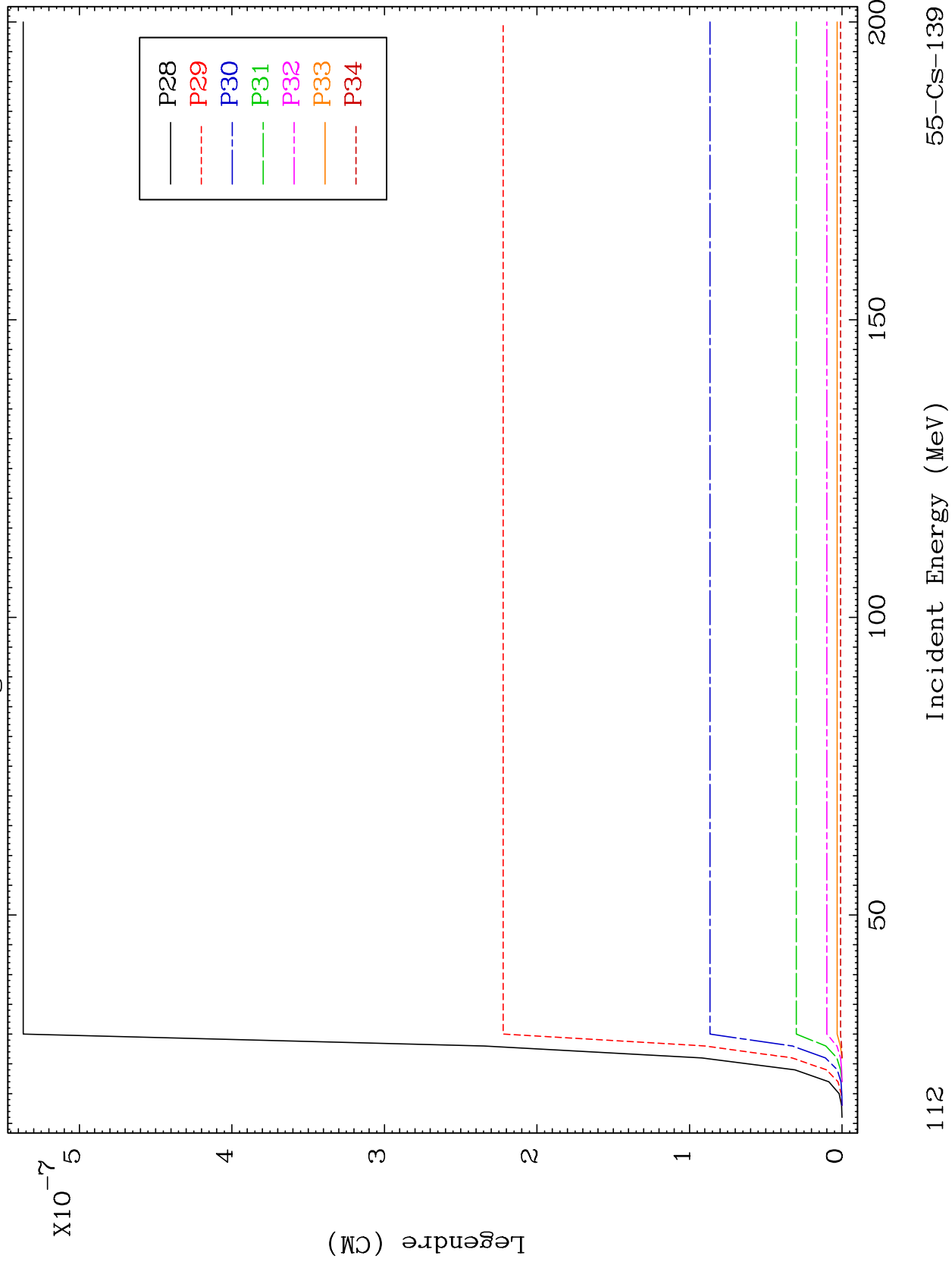




MAT 5543

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

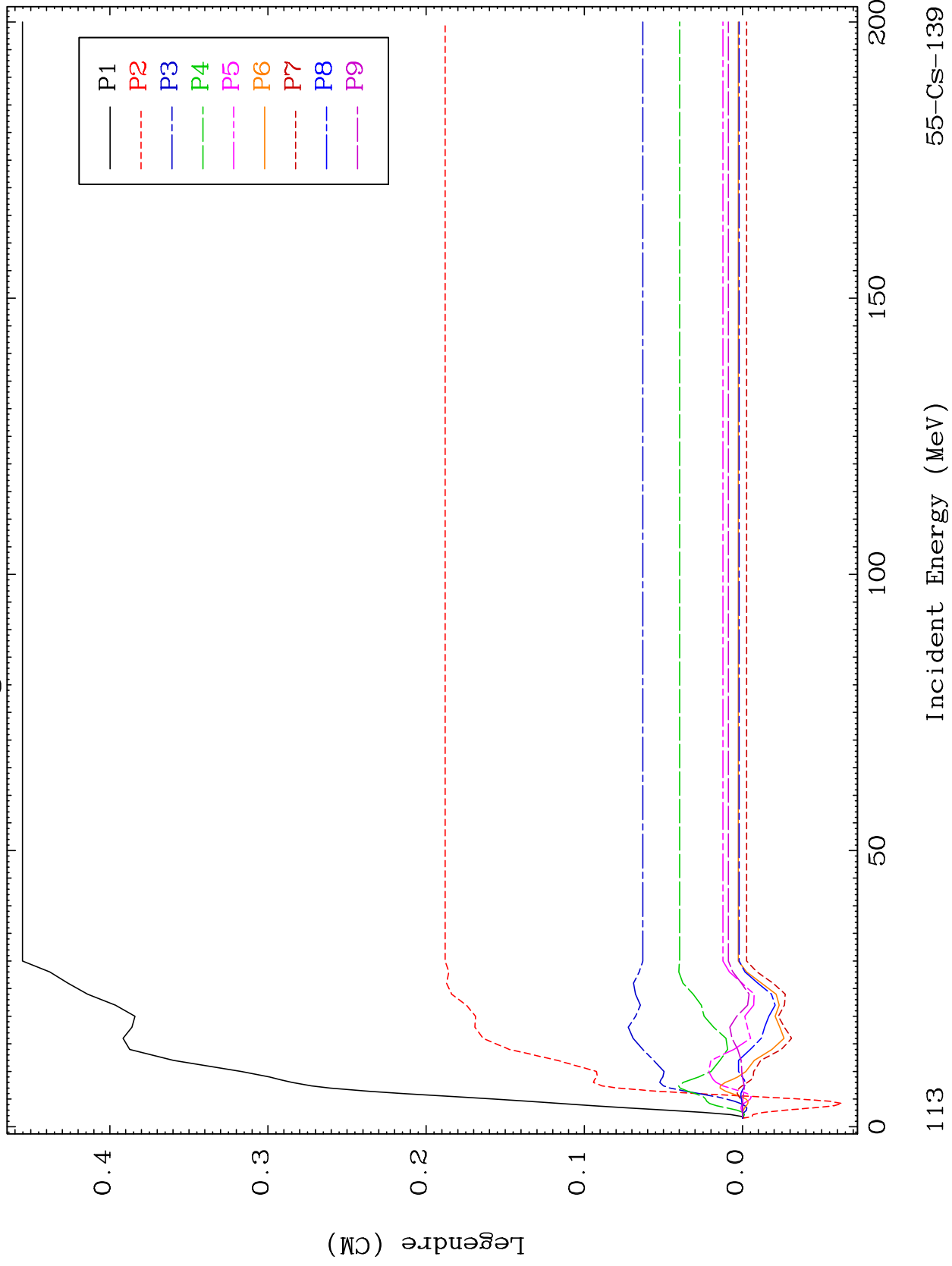
55-Cs-139



MAT 5543

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

55-Cs-139



55-Cs-139

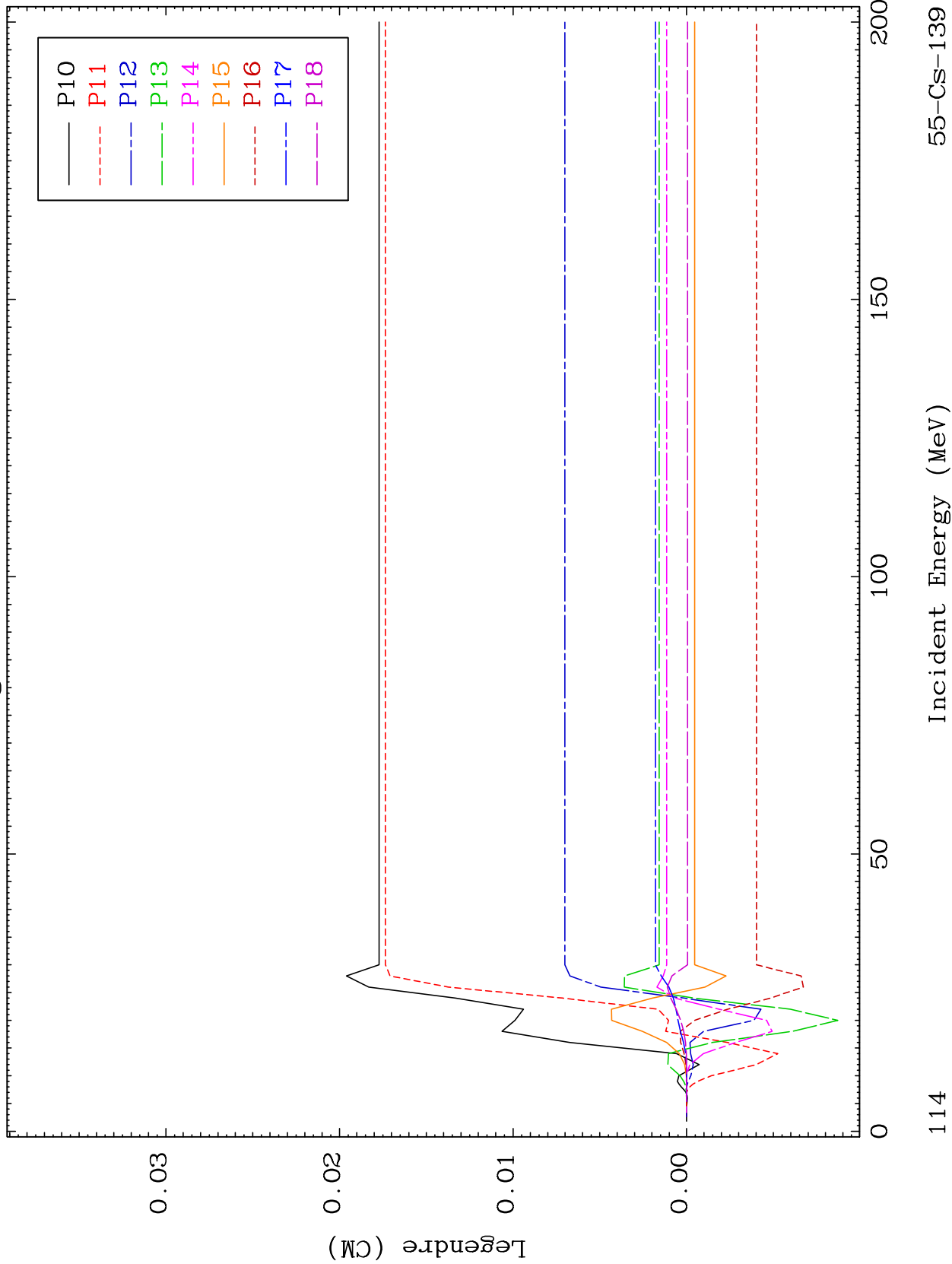
Incident Energy (MeV)

113

MAT 5543

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

55-Cs-139



55-Cs-139

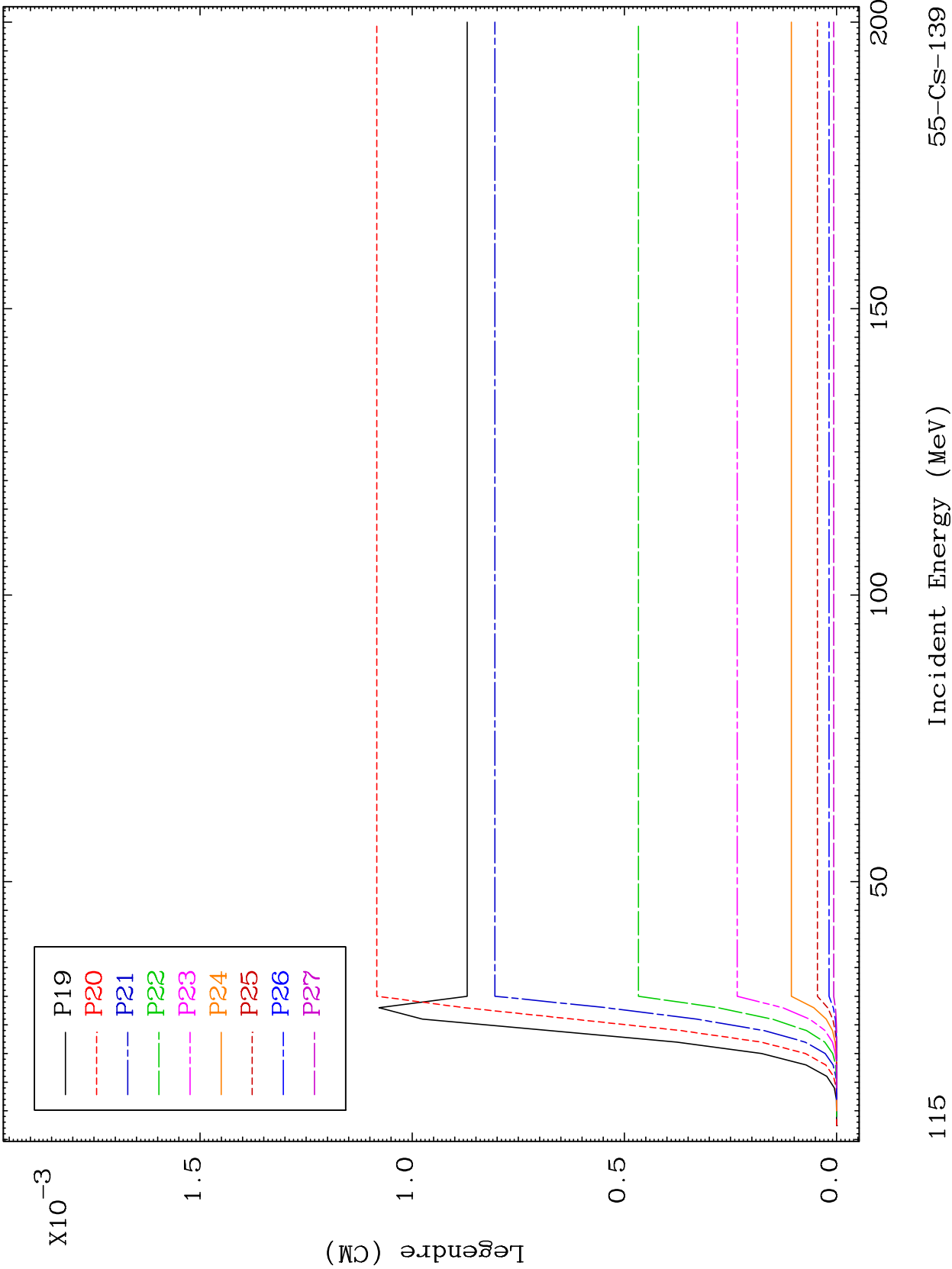
Incident Energy (MeV)

114

MAT 5543

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

55-Cs-139



115

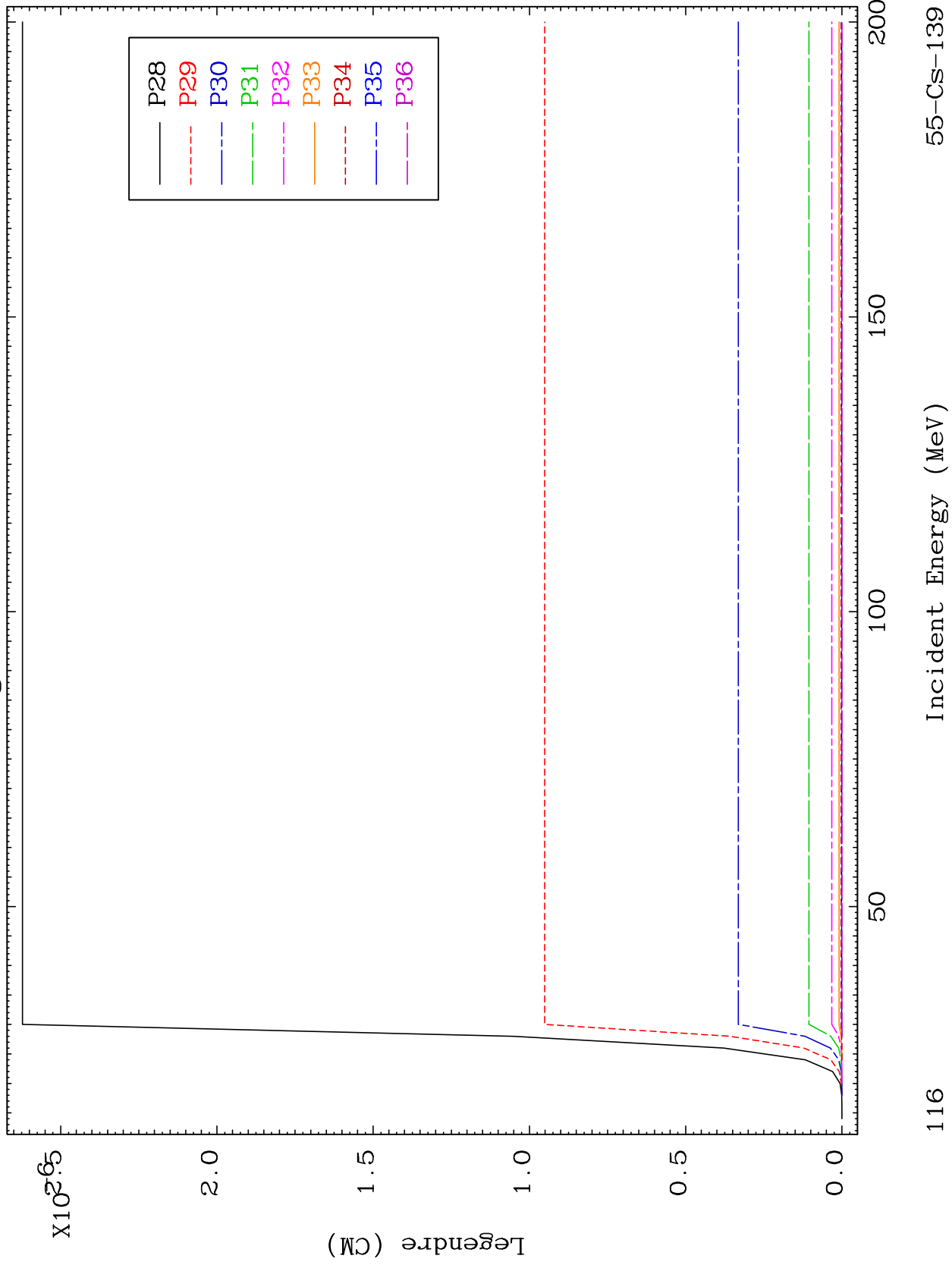
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139



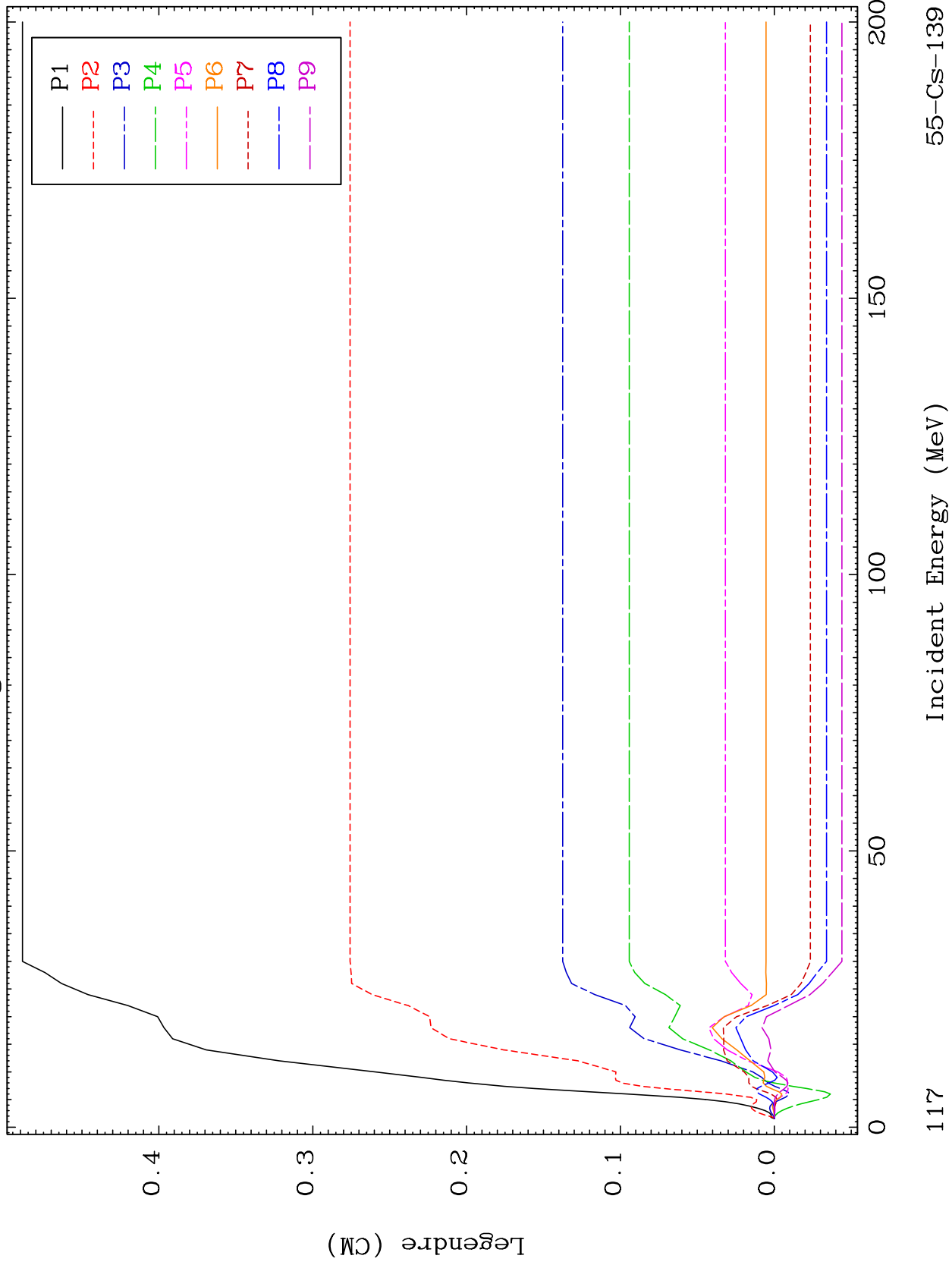
116

55-Cs-139

MAT 5543

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

55-Cs-139



55-Cs-139

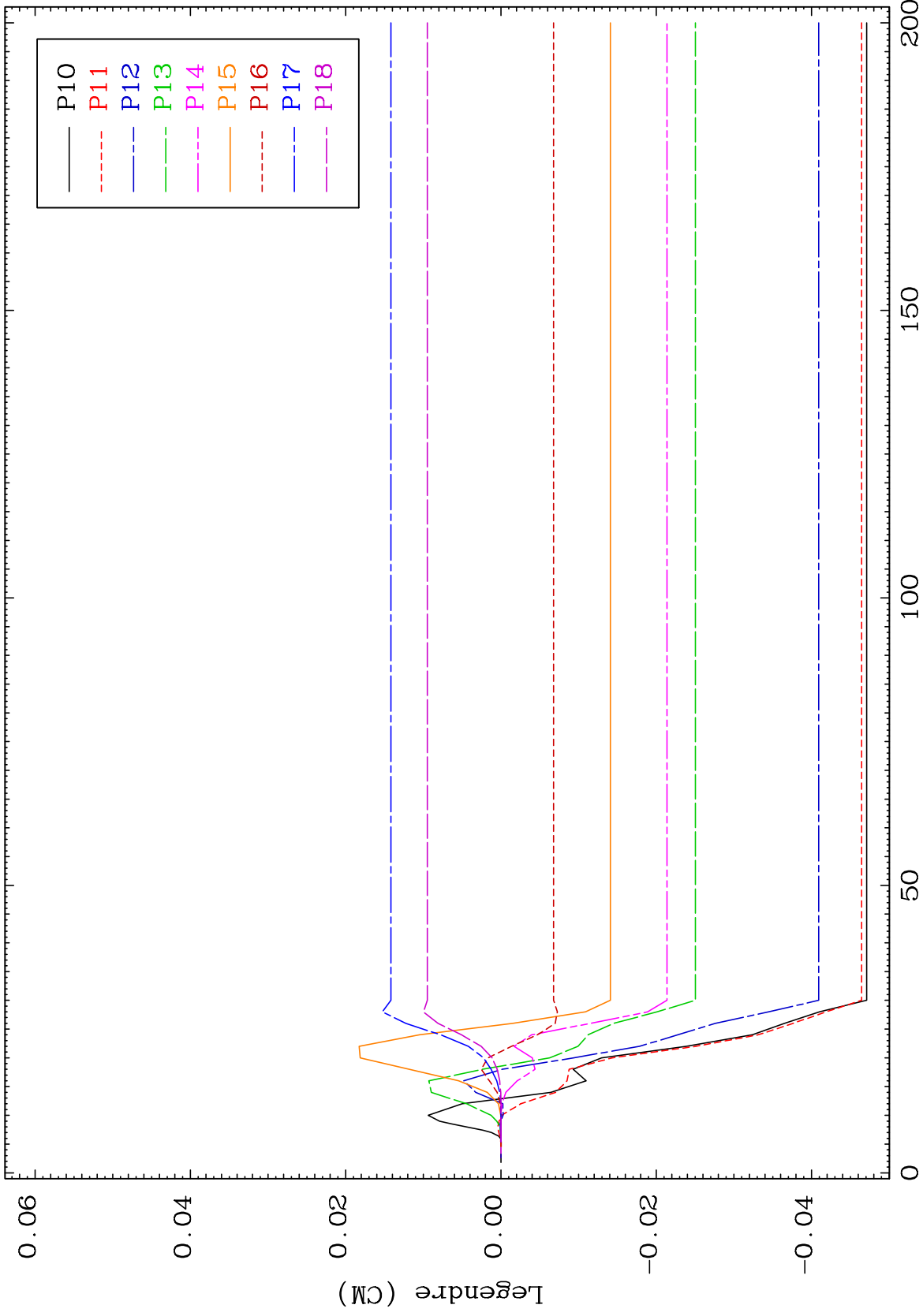
Incident Energy (MeV)

117

MAT 5543

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

55-Cs-139



118

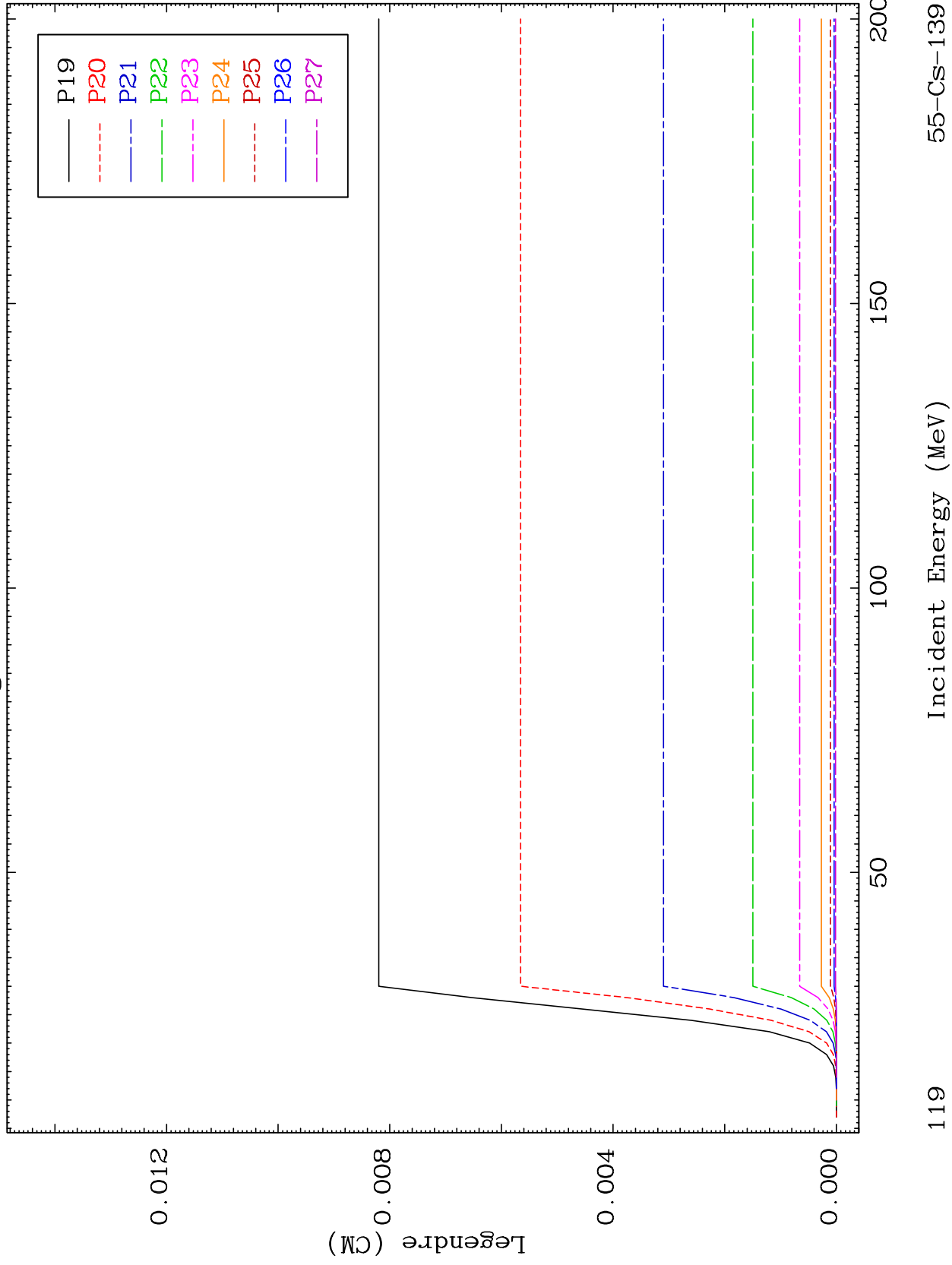
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139



119

Incident Energy (MeV)

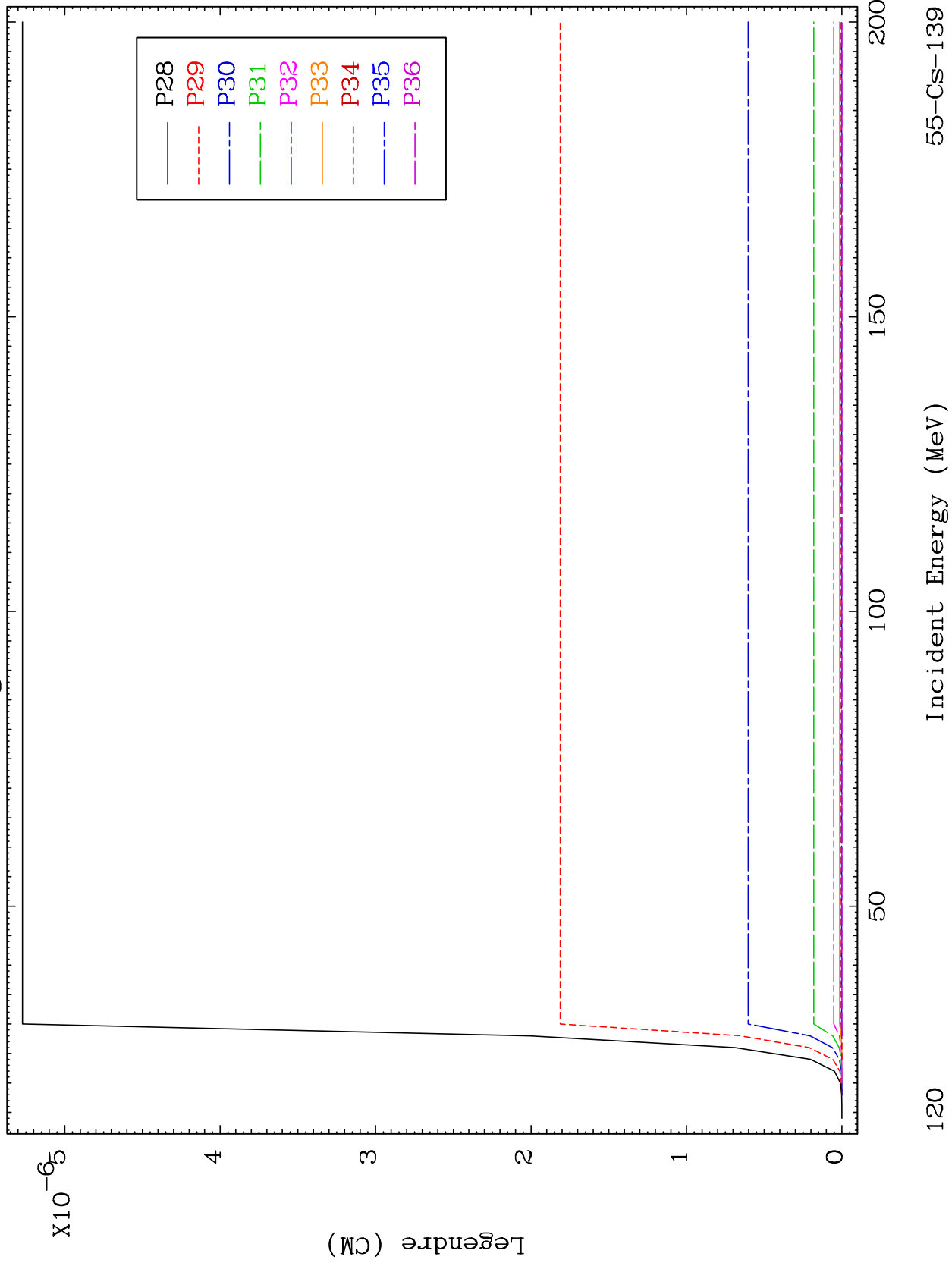
55-Cs-139



MAT 5543

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

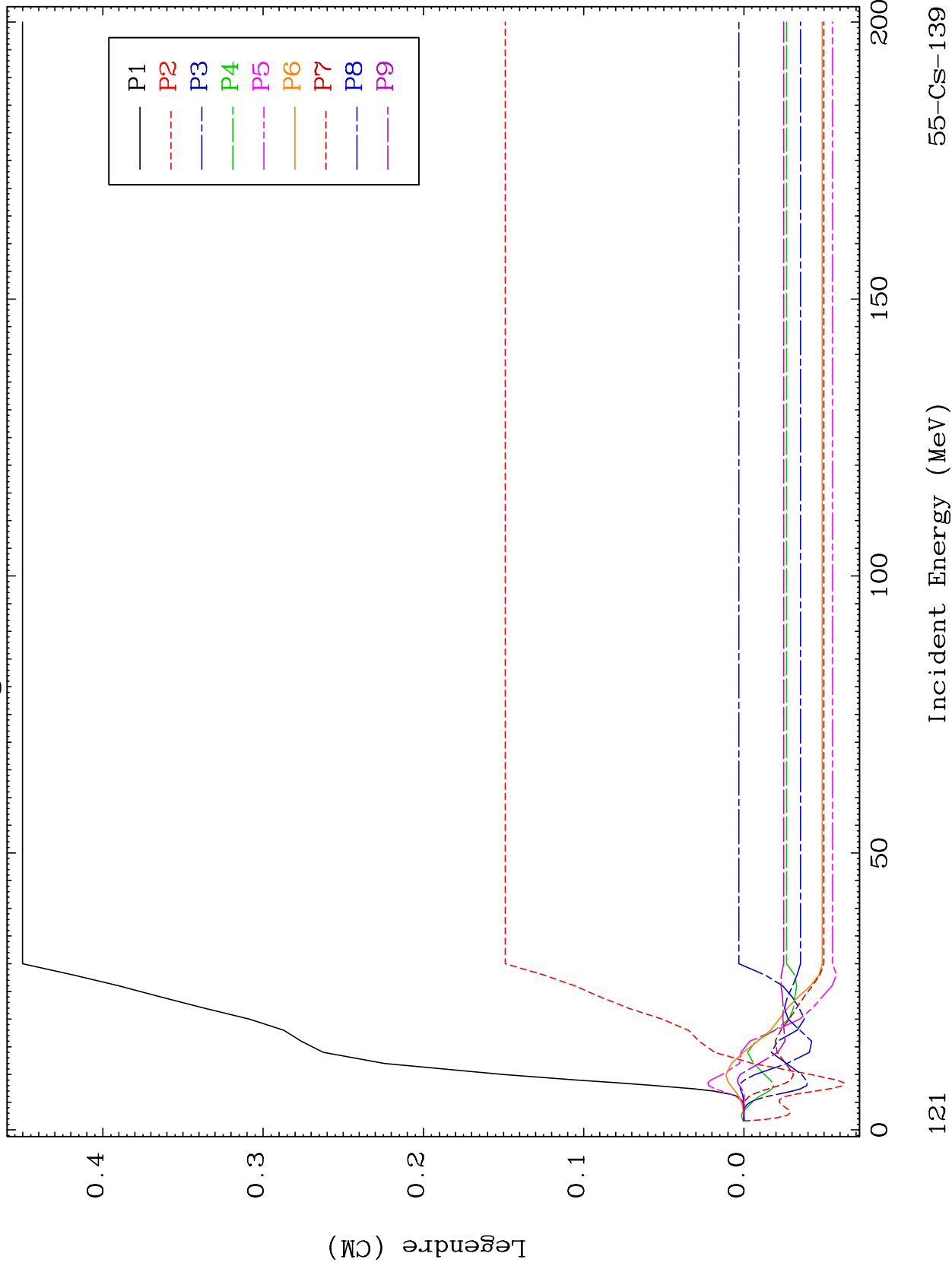
55-Cs-139



MAT 5543

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

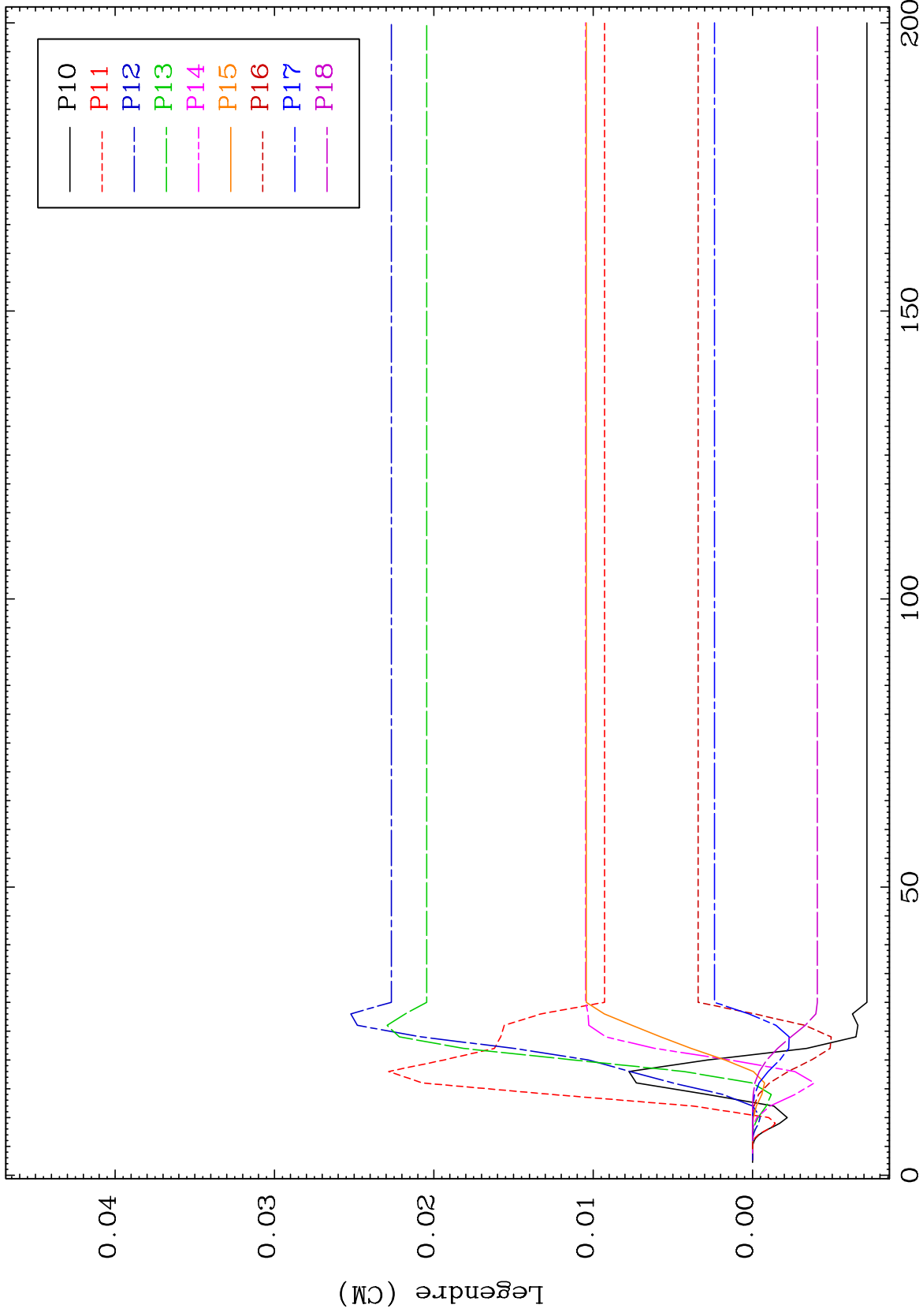
55-Cs-139



MAT 5543

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

55-Cs-139



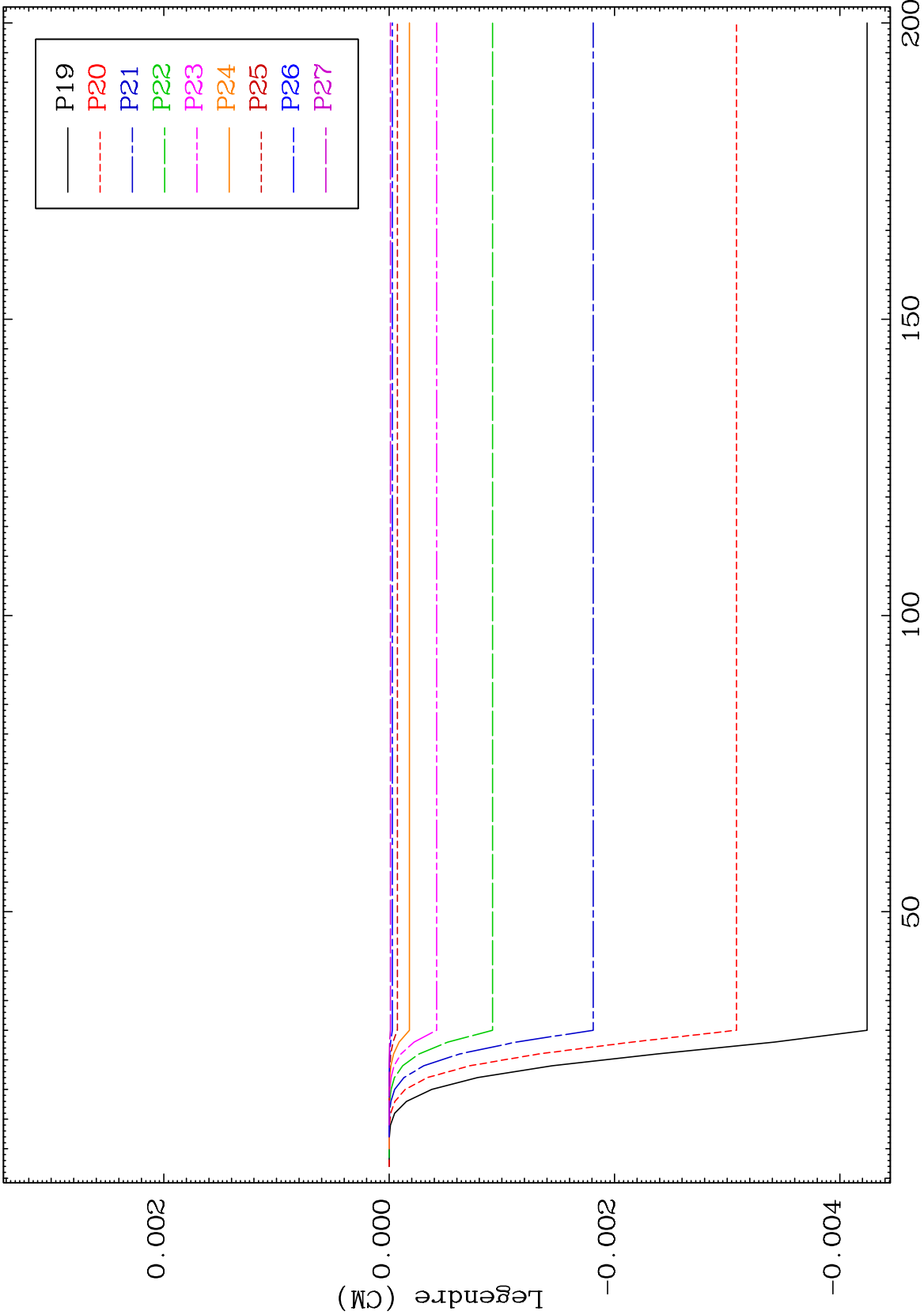
122

55-Cs-139

MAT 5543

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

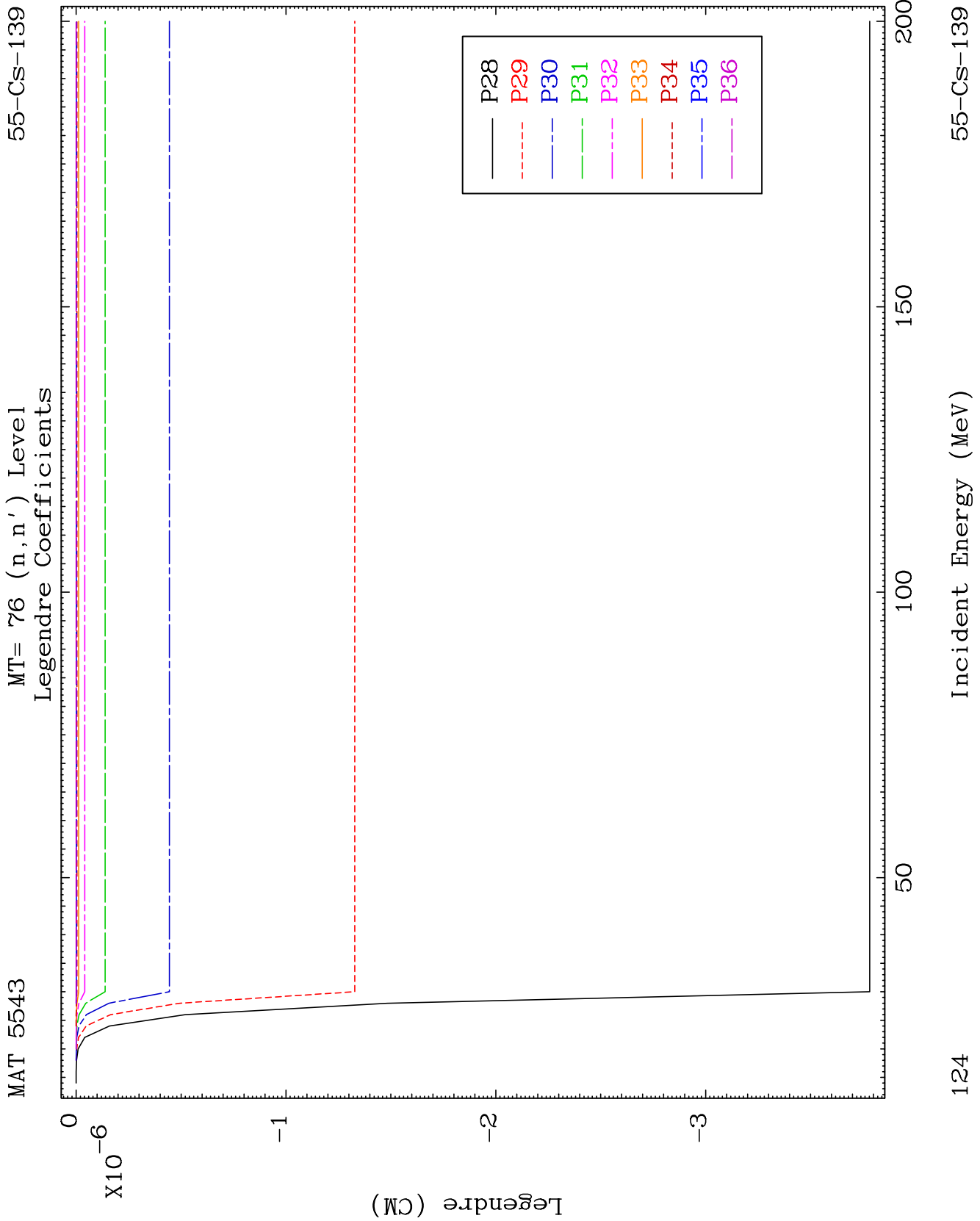
55-Cs-139



123

Incident Energy (MeV)

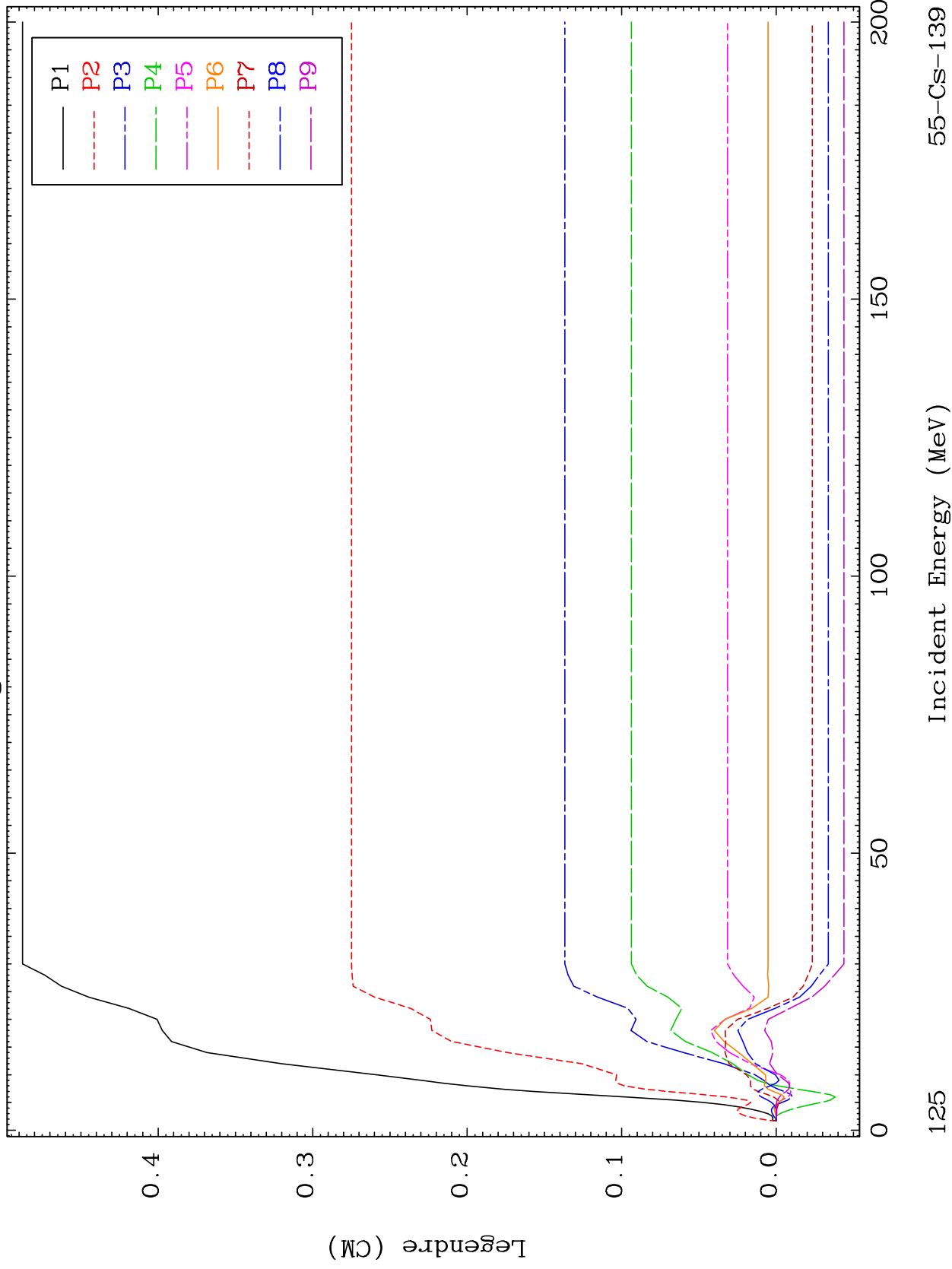
55-Cs-139



MAT 5543

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

55-Cs-139



55-Cs-139

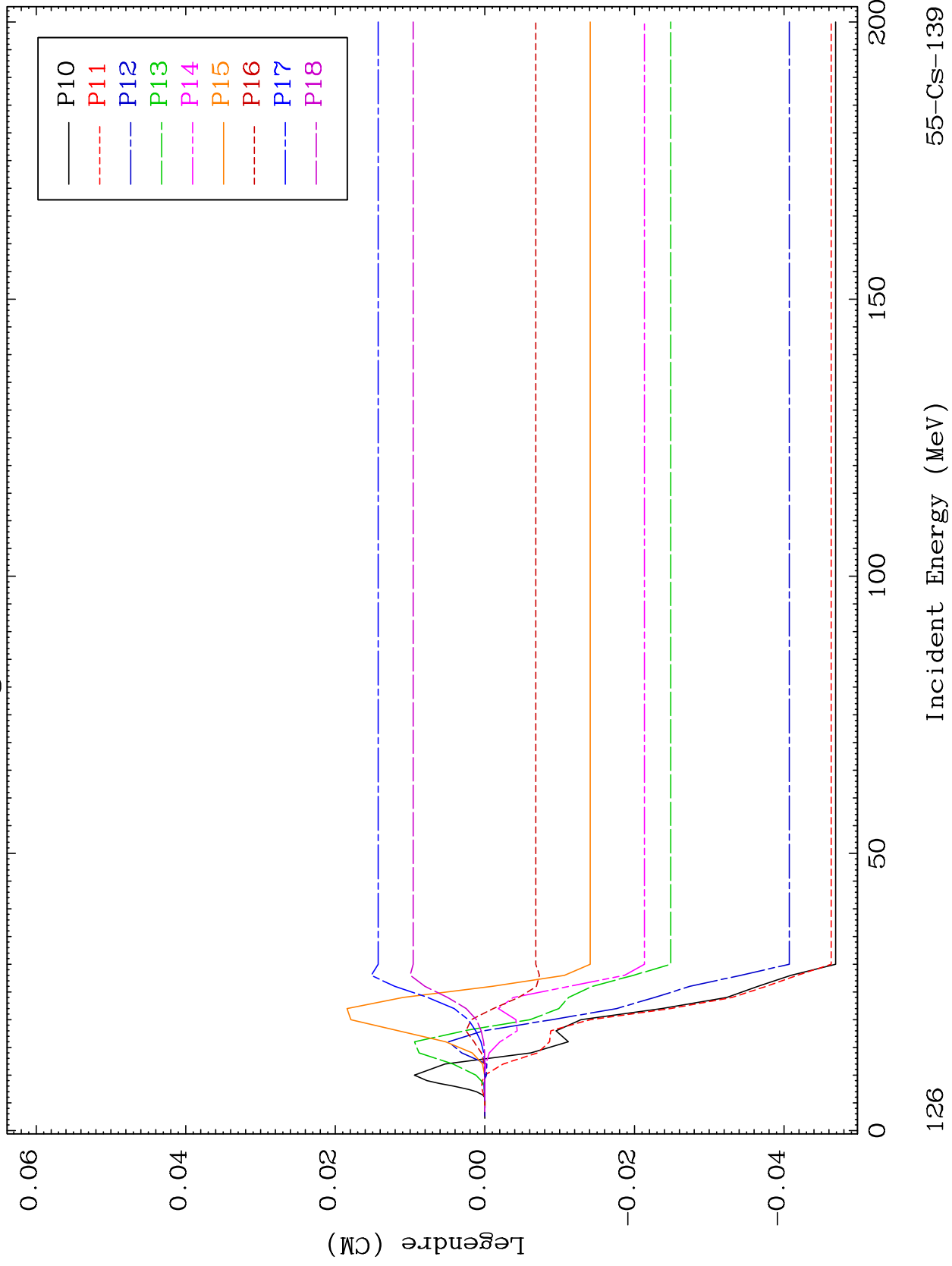
Incident Energy (MeV)

125

MAT 5543

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

55-Cs-139



55-Cs-139

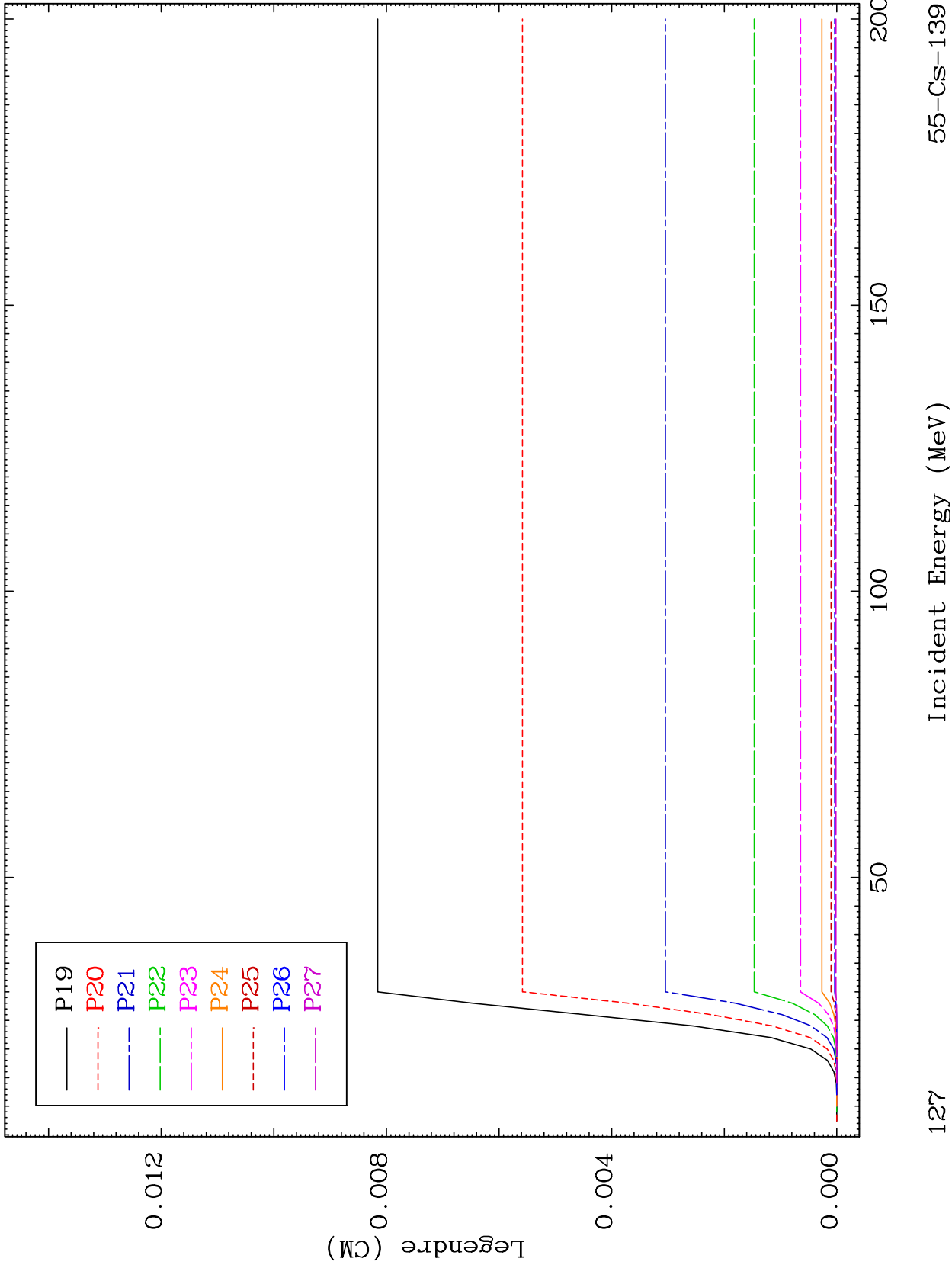
Incident Energy (MeV)

126

MAT 5543

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

55-Cs-139



127

Incident Energy (MeV)

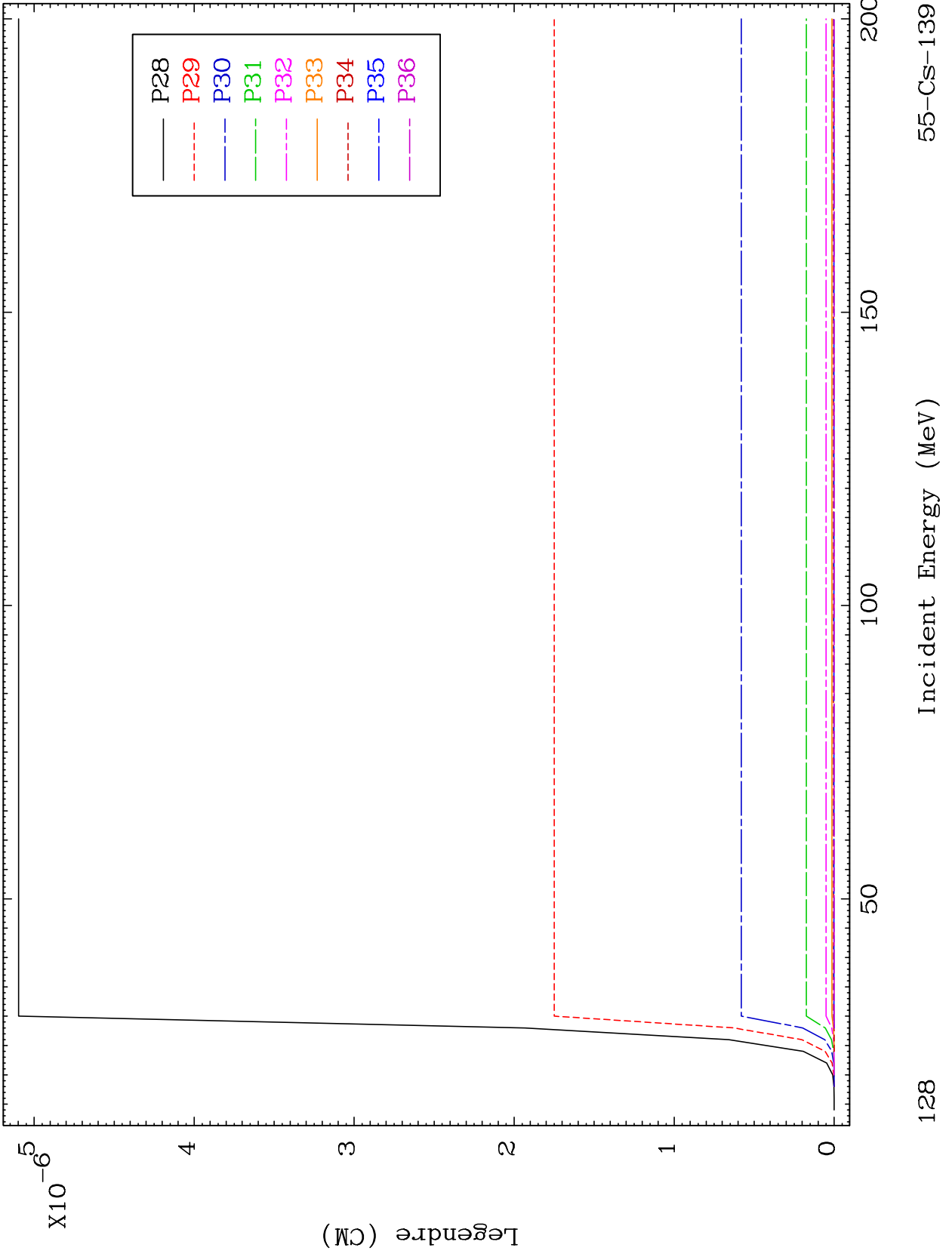
55-Cs-139



MAT 5543

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

55-Cs-139

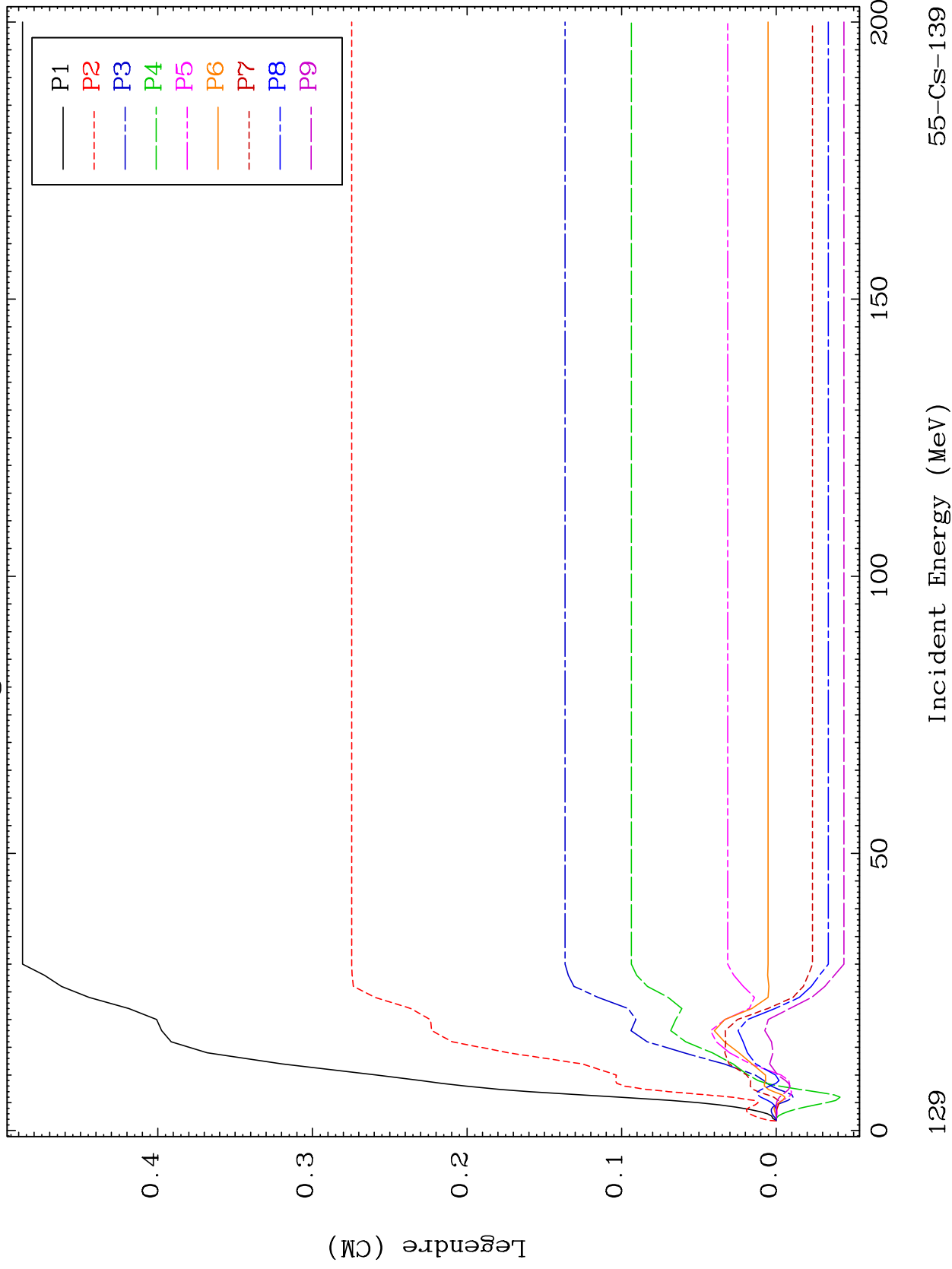


128

MAT 5543

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

55-Cs-139



55-Cs-139

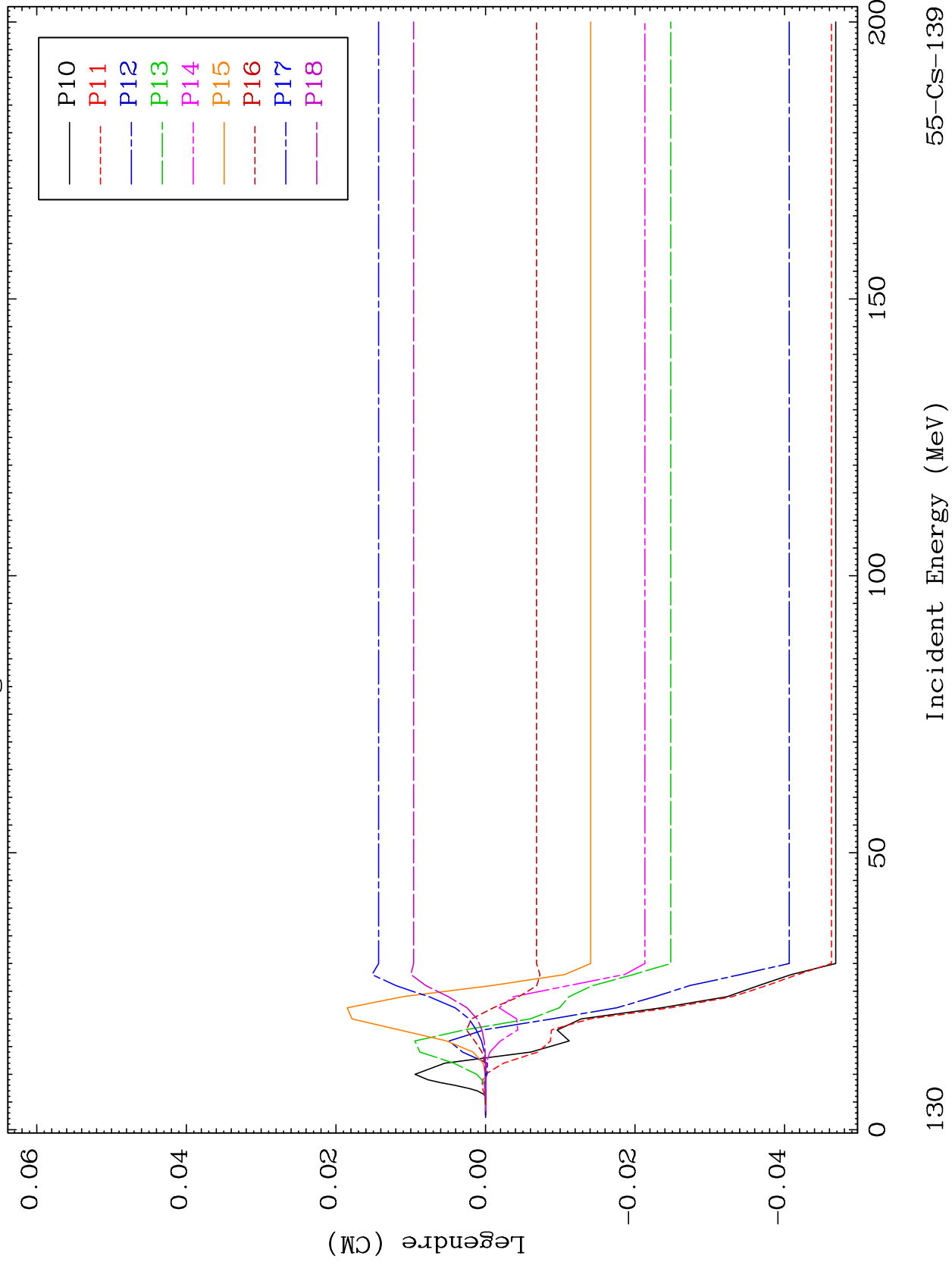
Incident Energy (MeV)

129

MAT 5543

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

55-Cs-139



55-Cs-139

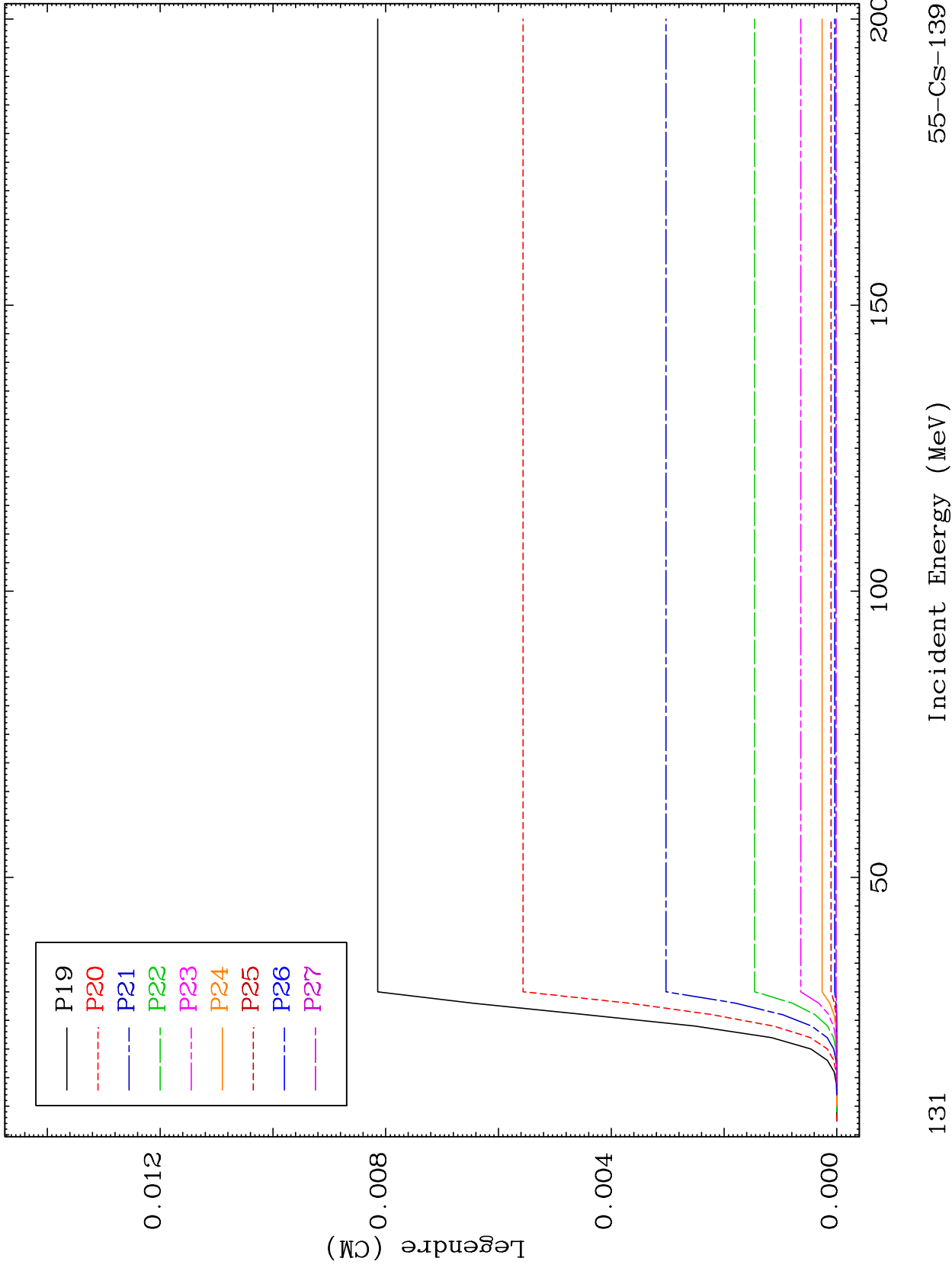
Incident Energy (MeV)

130

MAT 5543

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

55-Cs-139



131

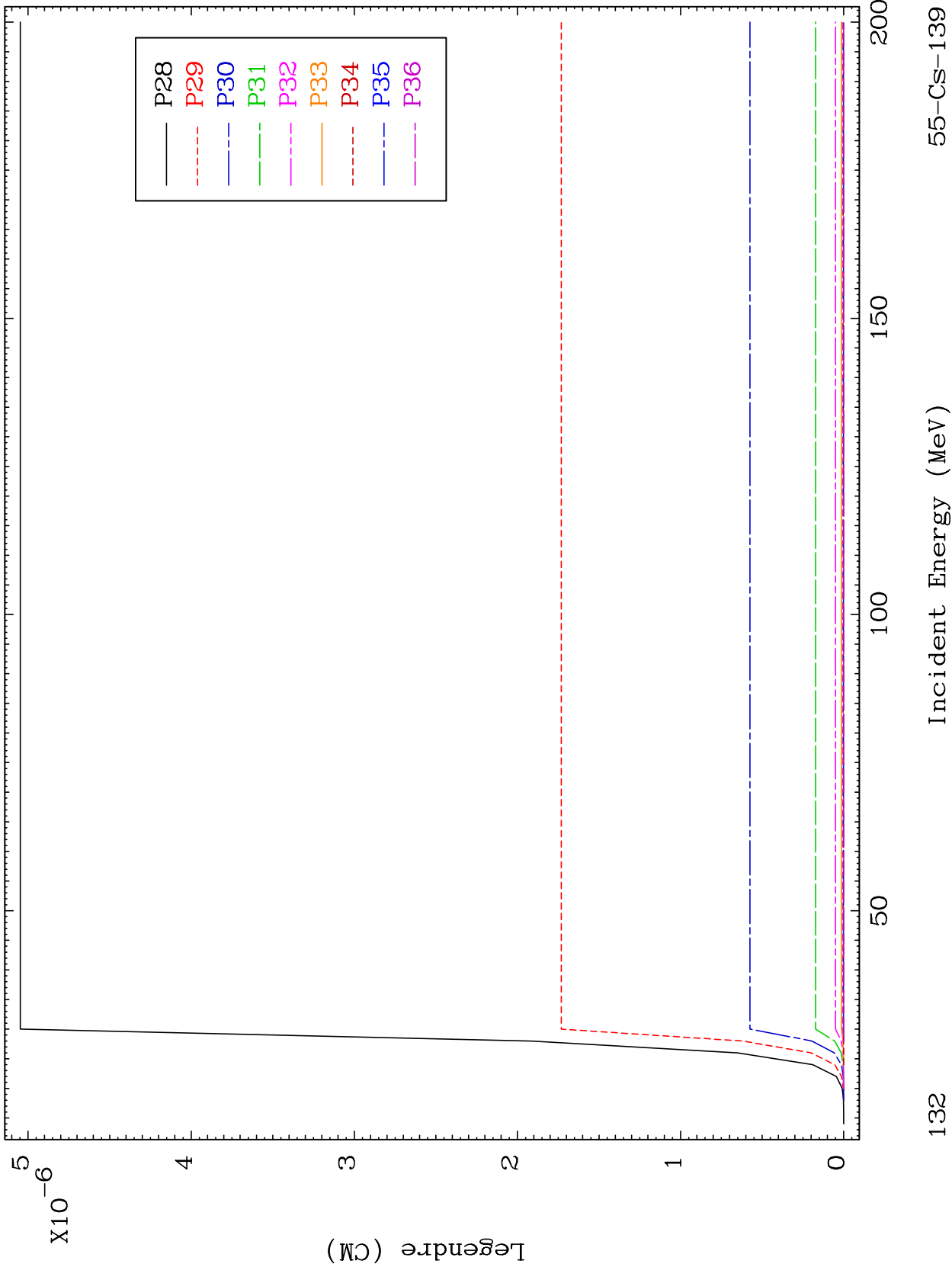
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

55-Cs-139

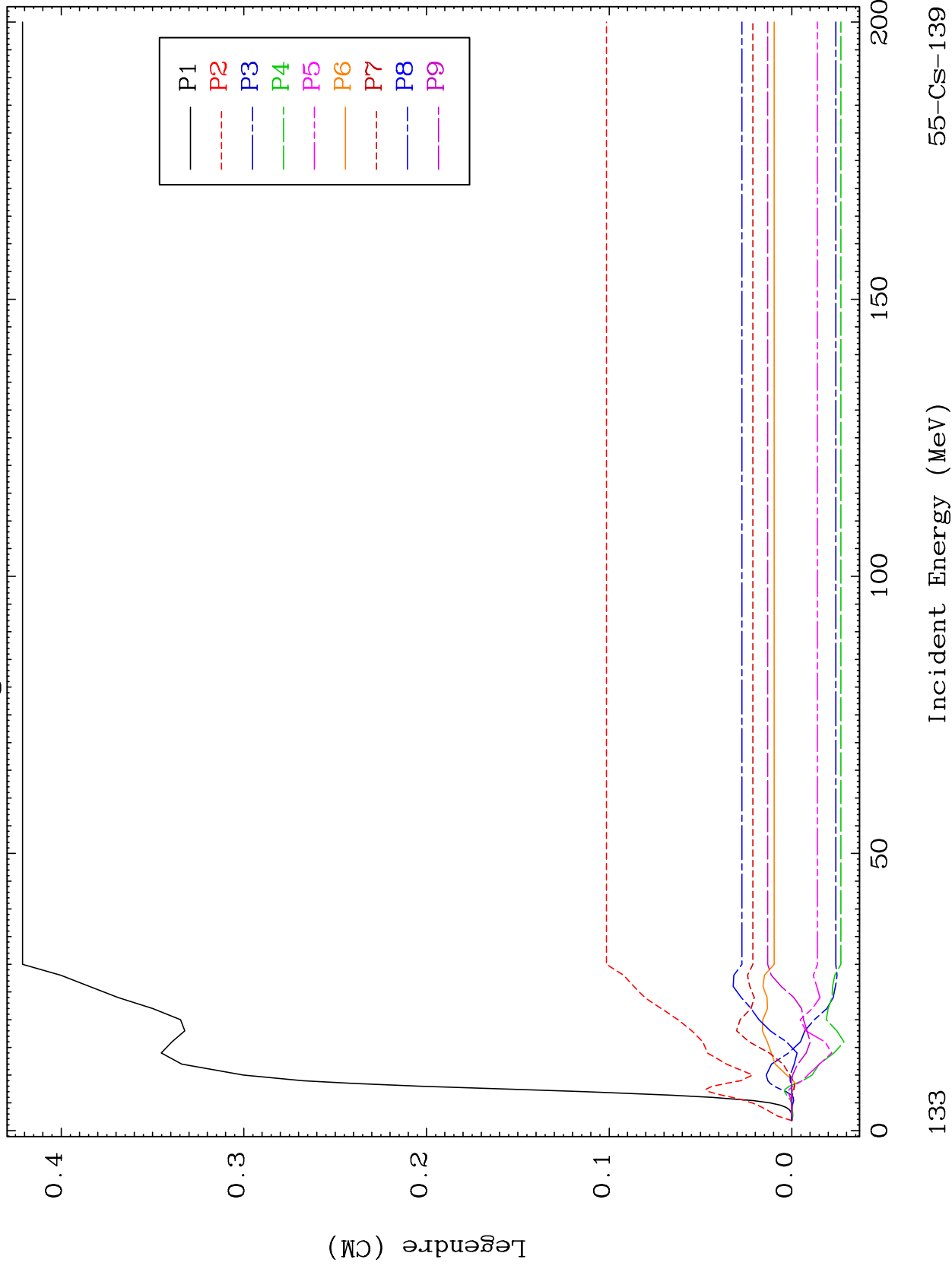


132

MAT 5543

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

55-Cs-139



133

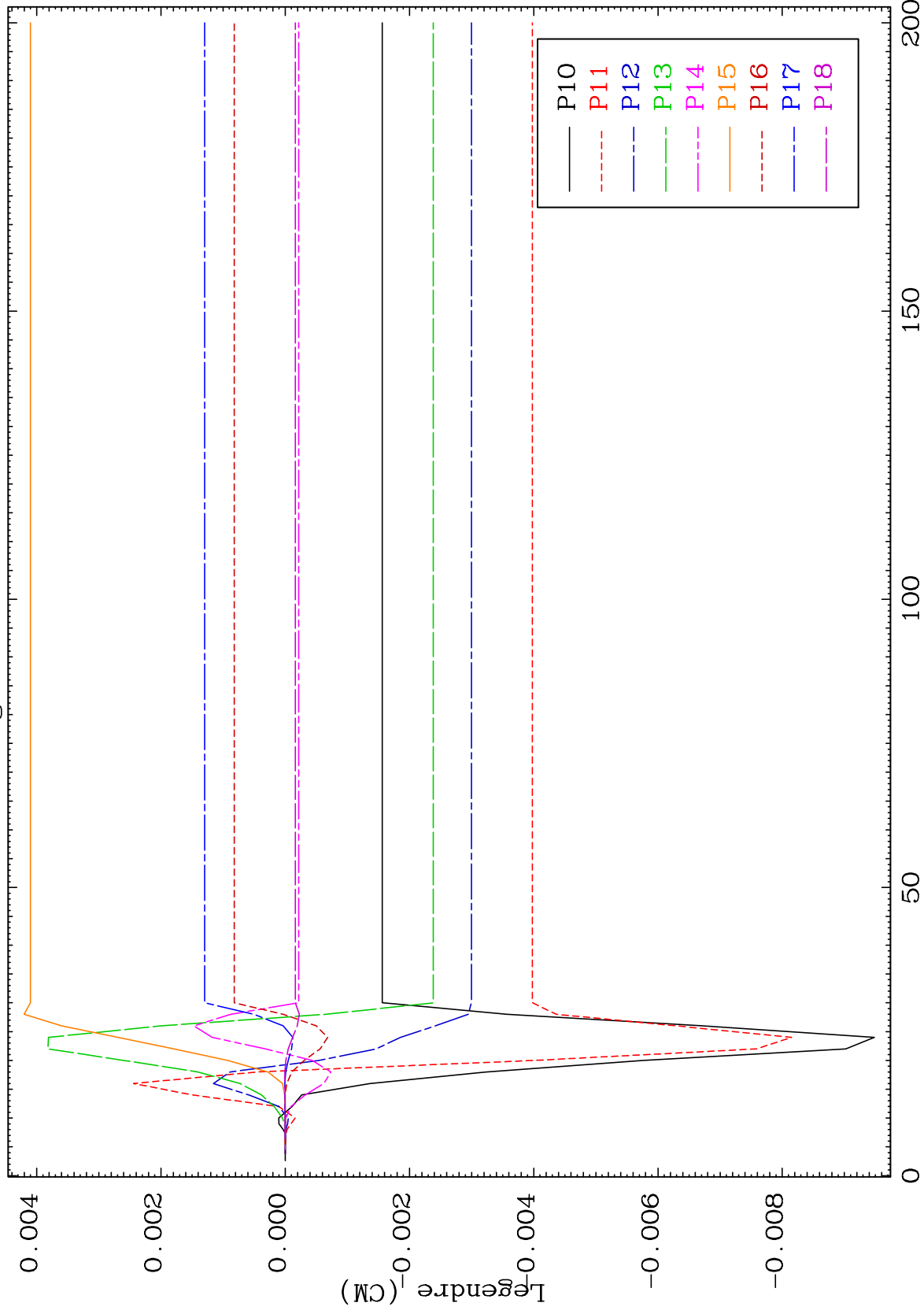
Incident Energy (MeV)

55-Cs-139

MAT 5543

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

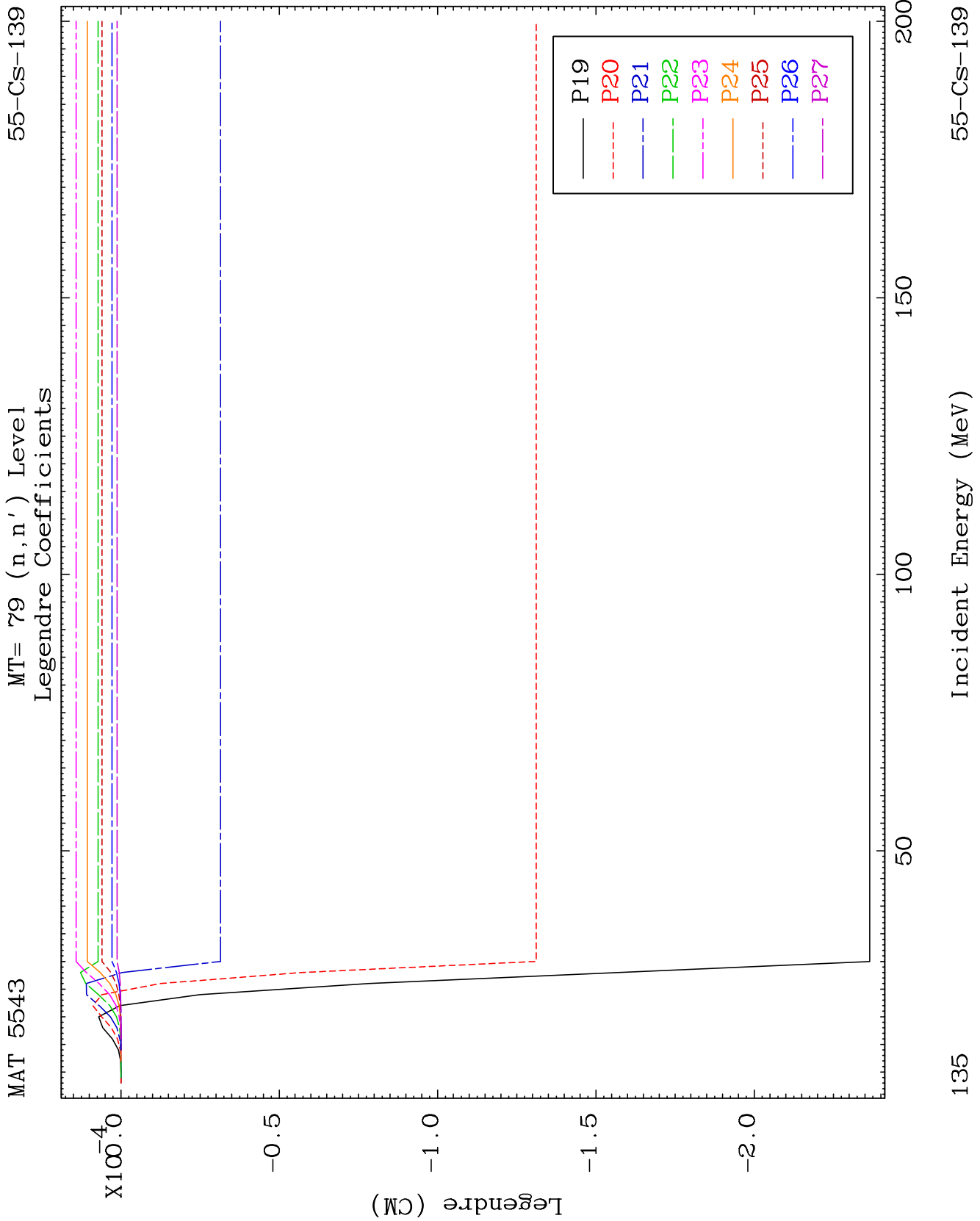
55-Cs-139



134

Incident Energy (MeV)

55-Cs-139

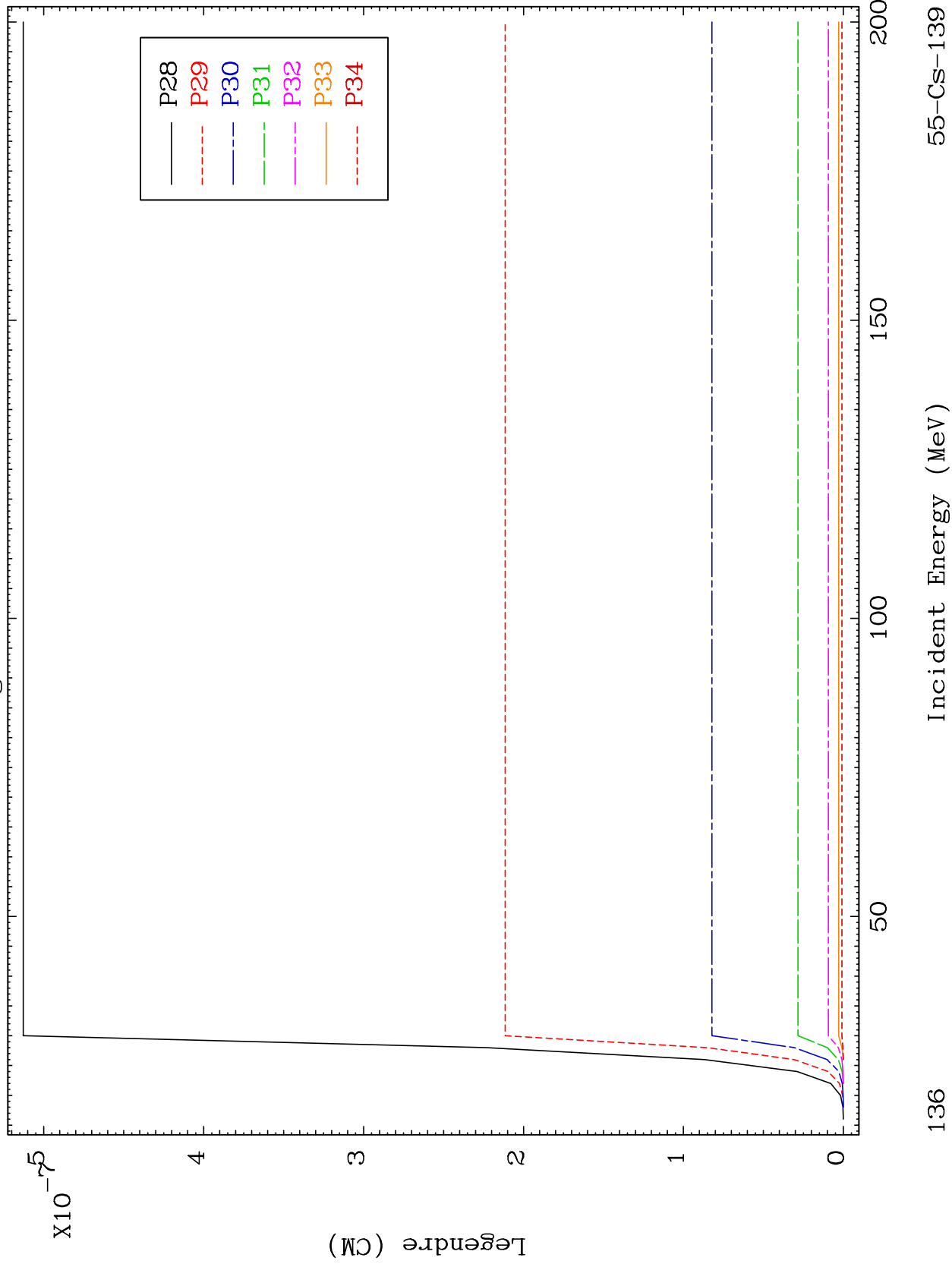


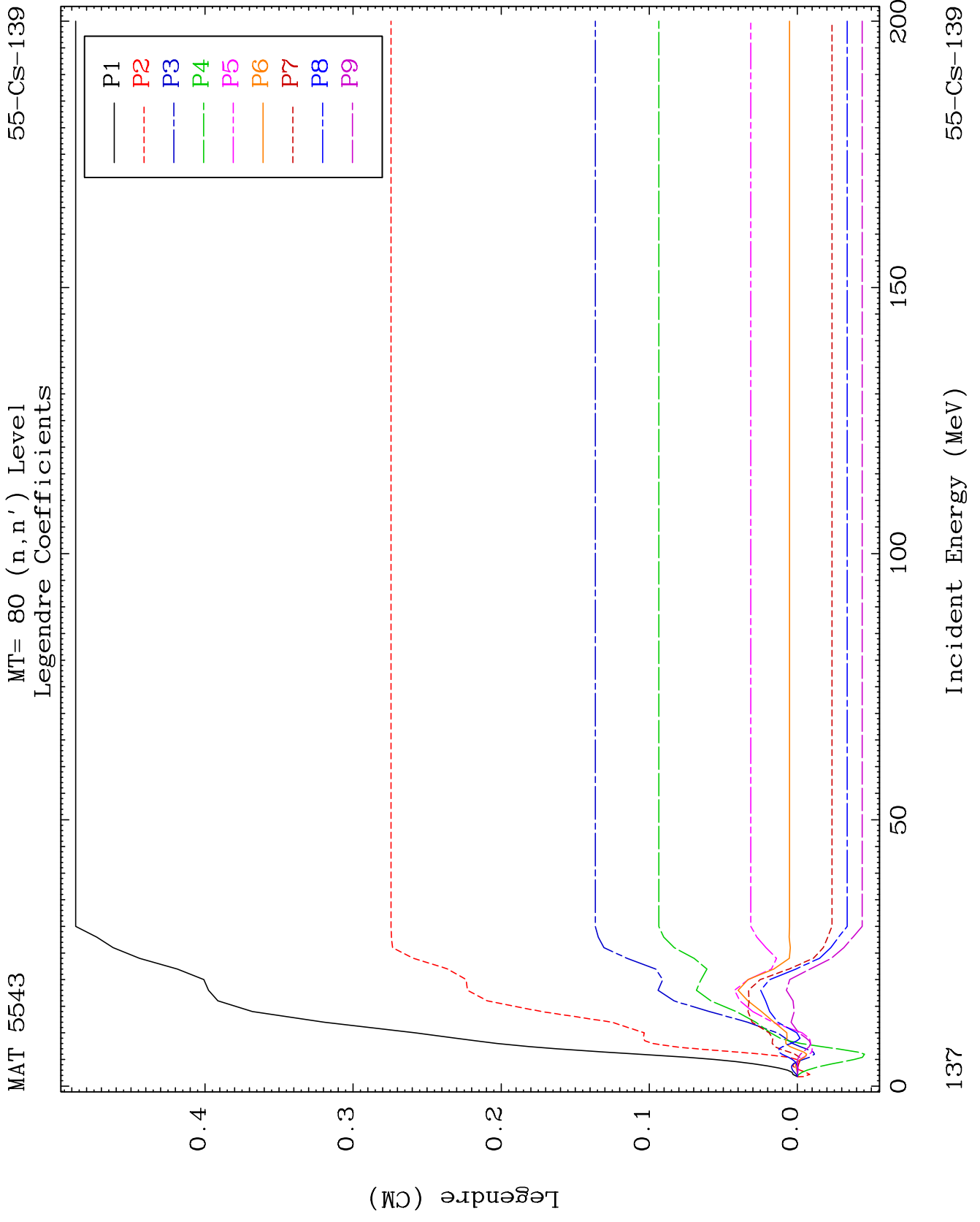


MAT 5543

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

55-Cs-139

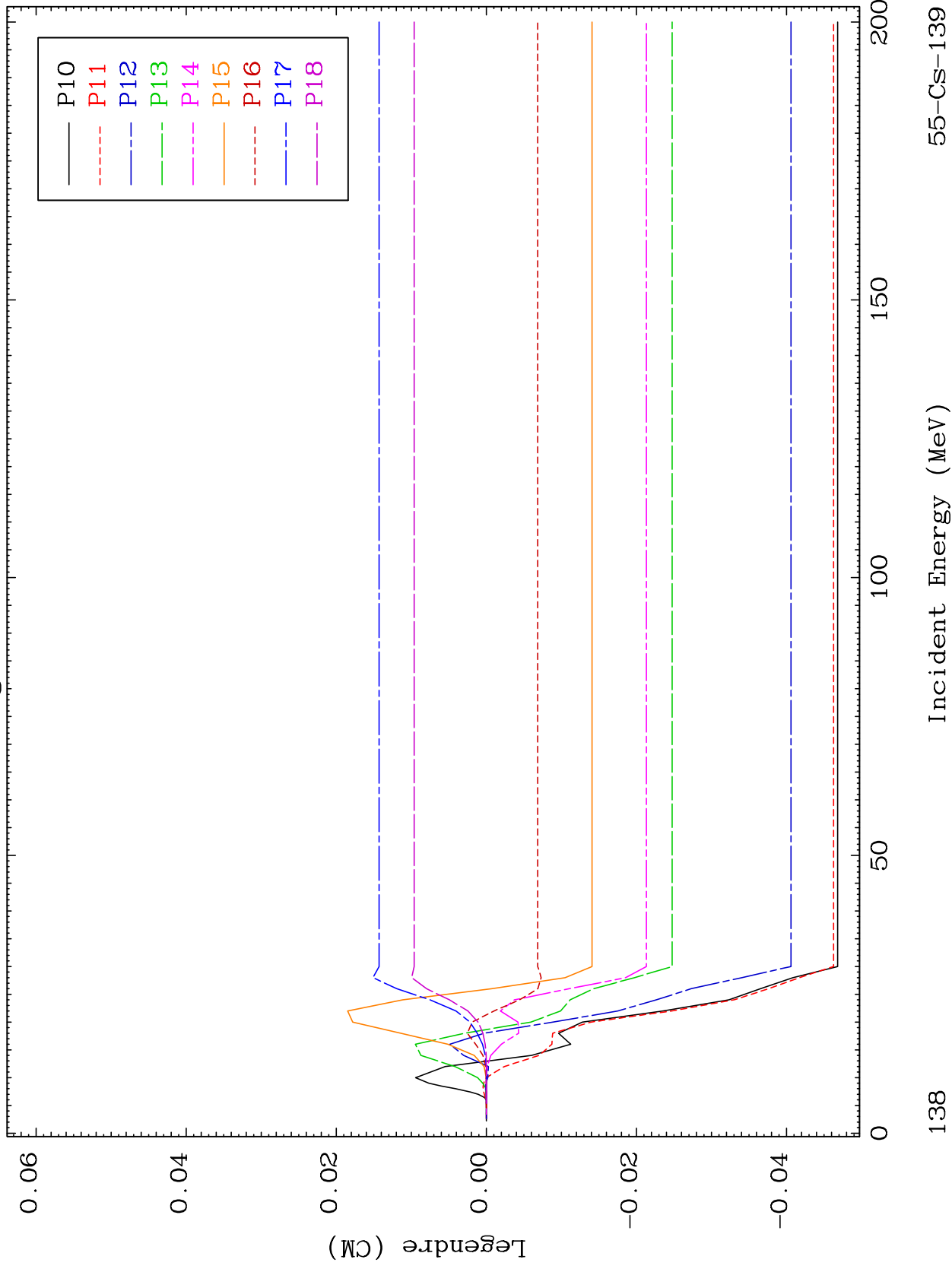




MAT 5543

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

55-Cs-139



55-Cs-139

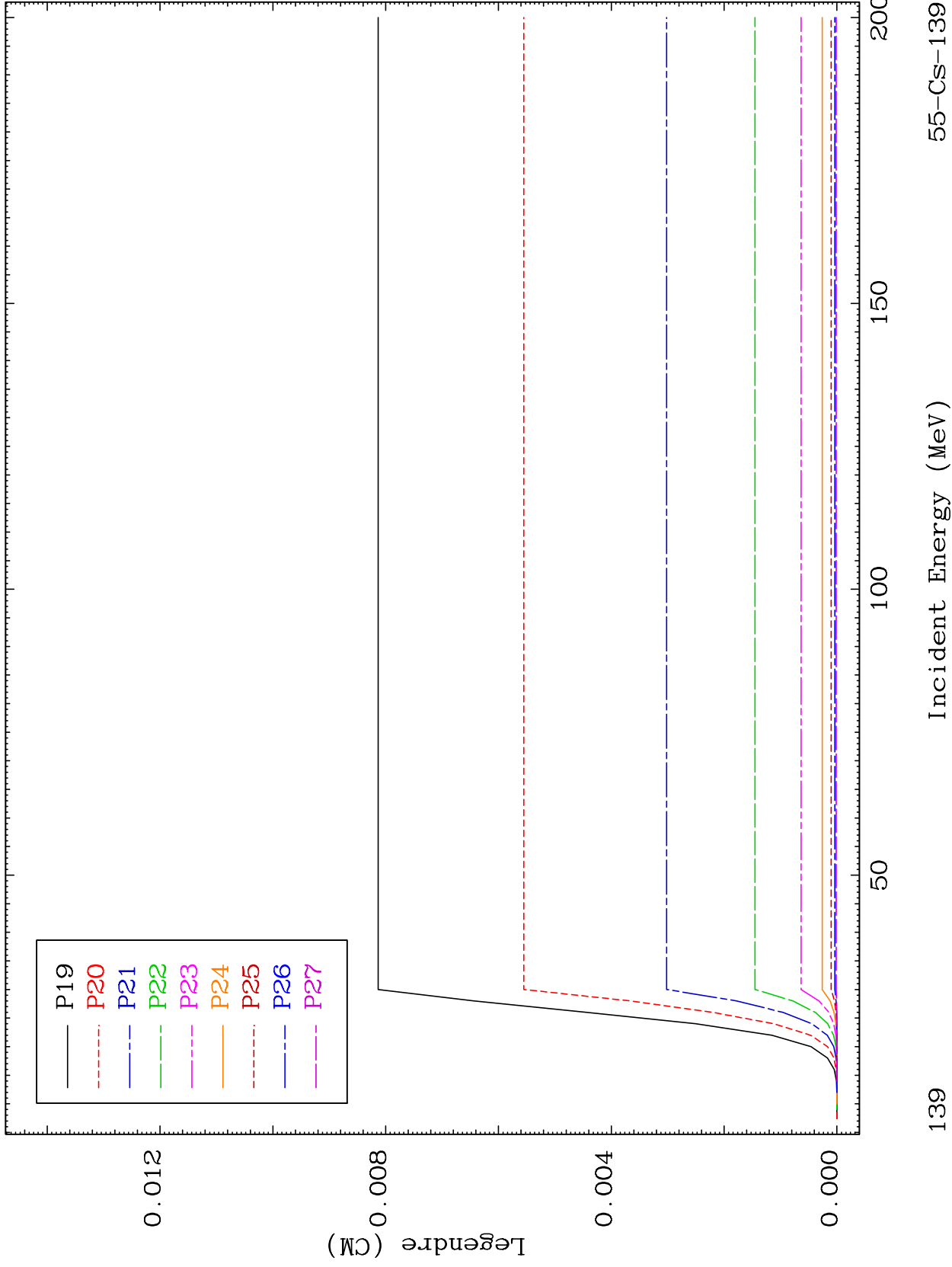
Incident Energy (MeV)

138

MAT 5543

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

55-Cs-139



139

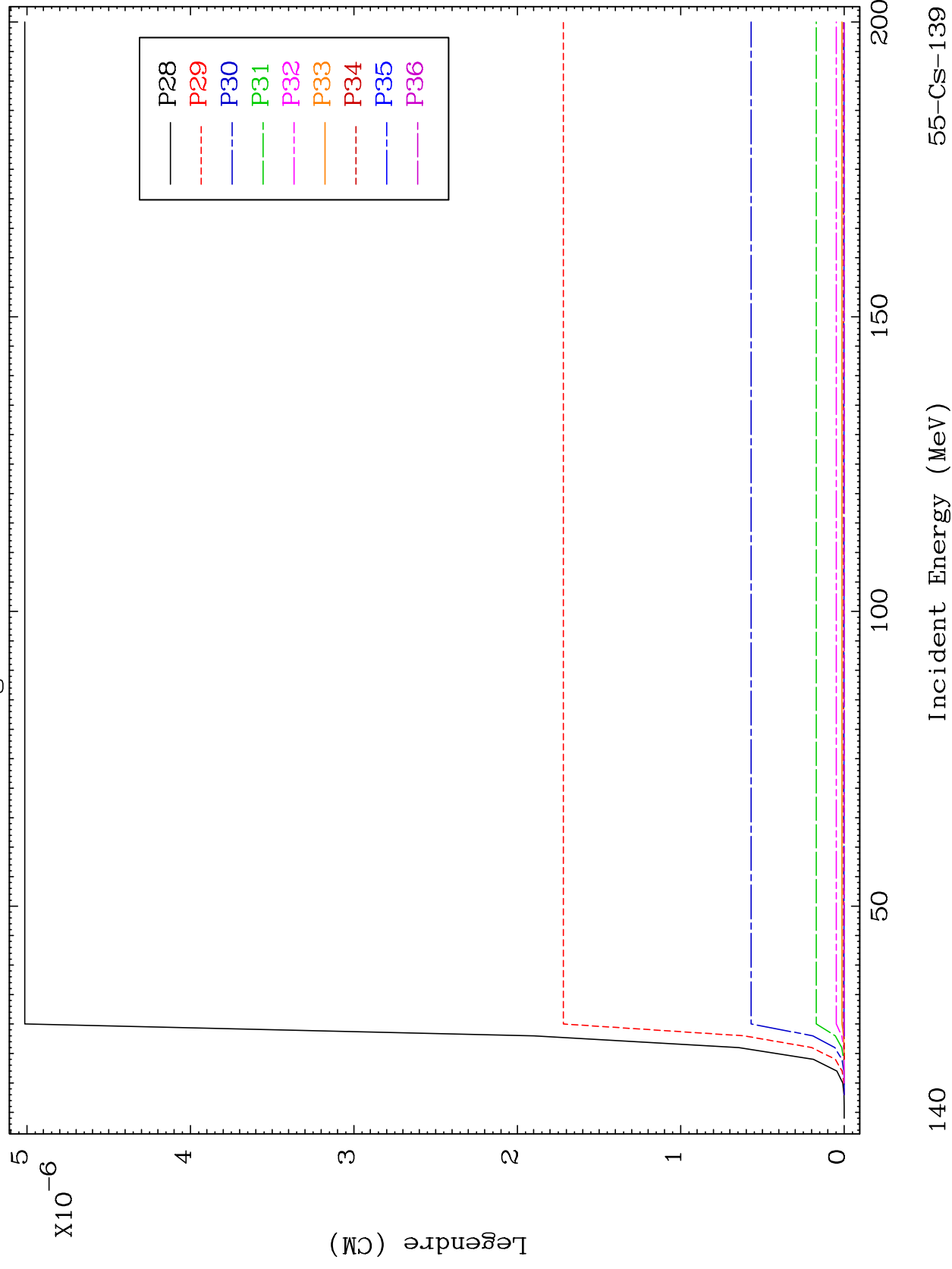
Incident Energy (MeV)

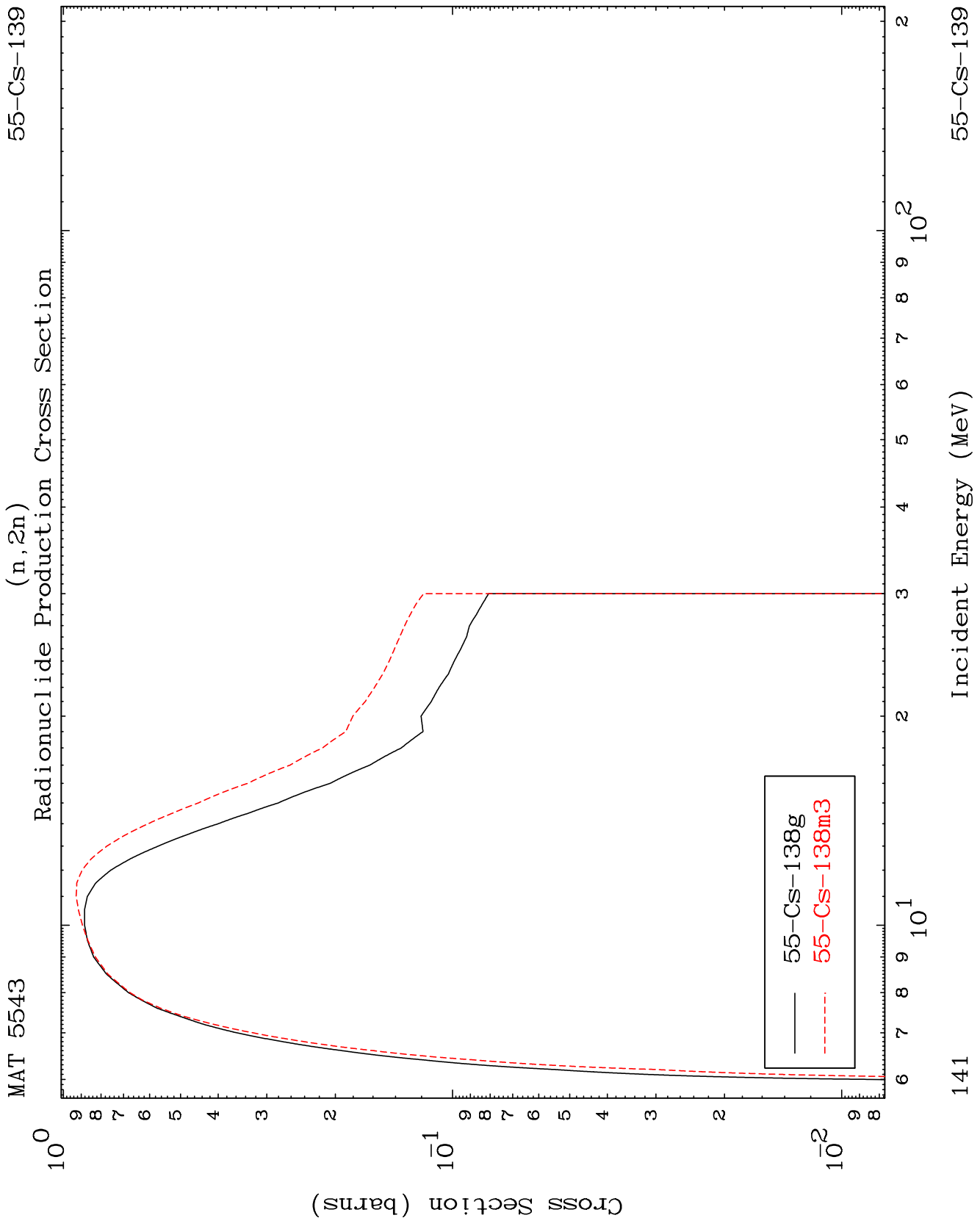
55-Cs-139

MAT 5543

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

55-Cs-139



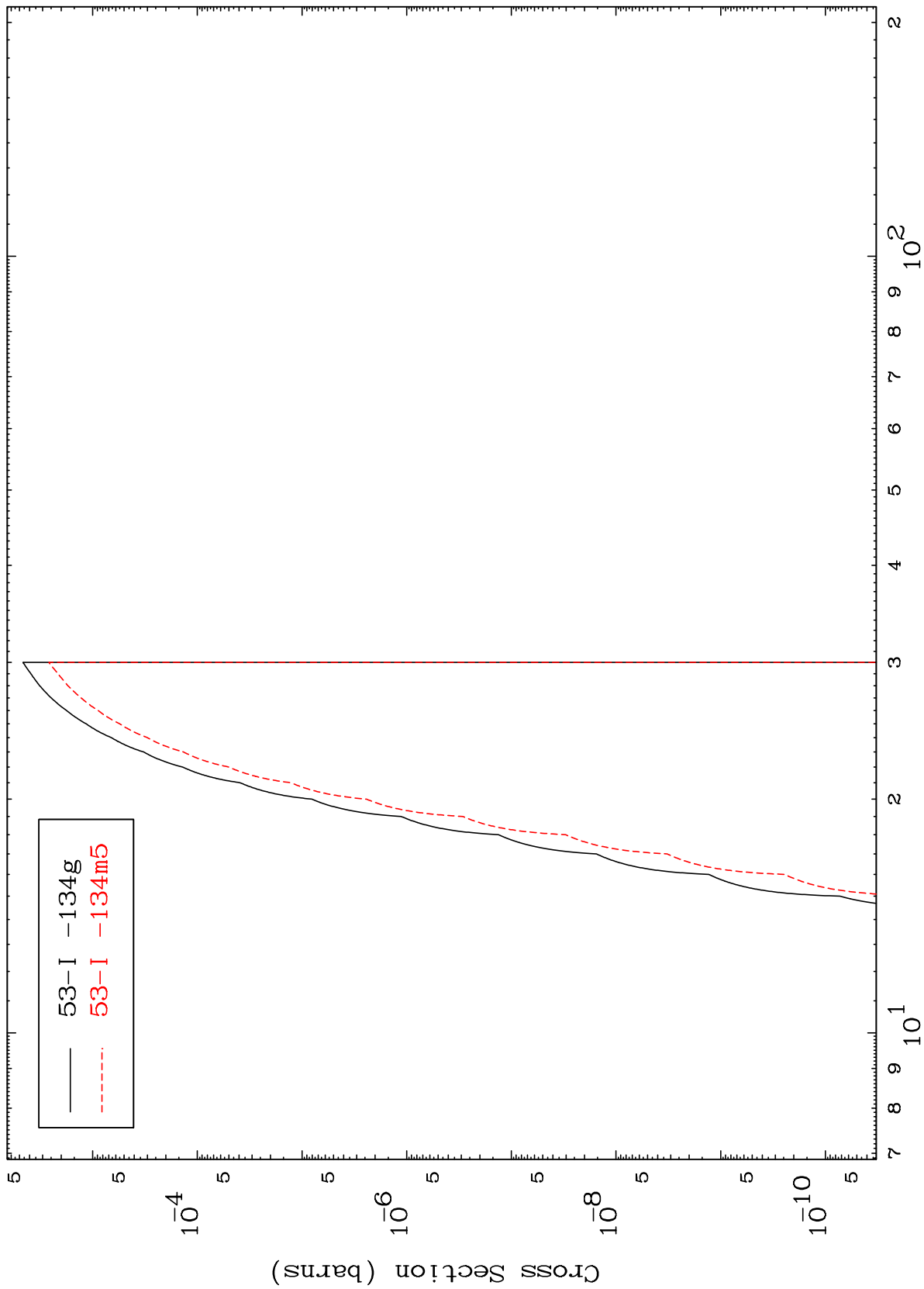


MAT 5543

(n,2n)  $\alpha$

55-Cs-139

Radionuclide Production Cross Section



142

Incident Energy (MeV)

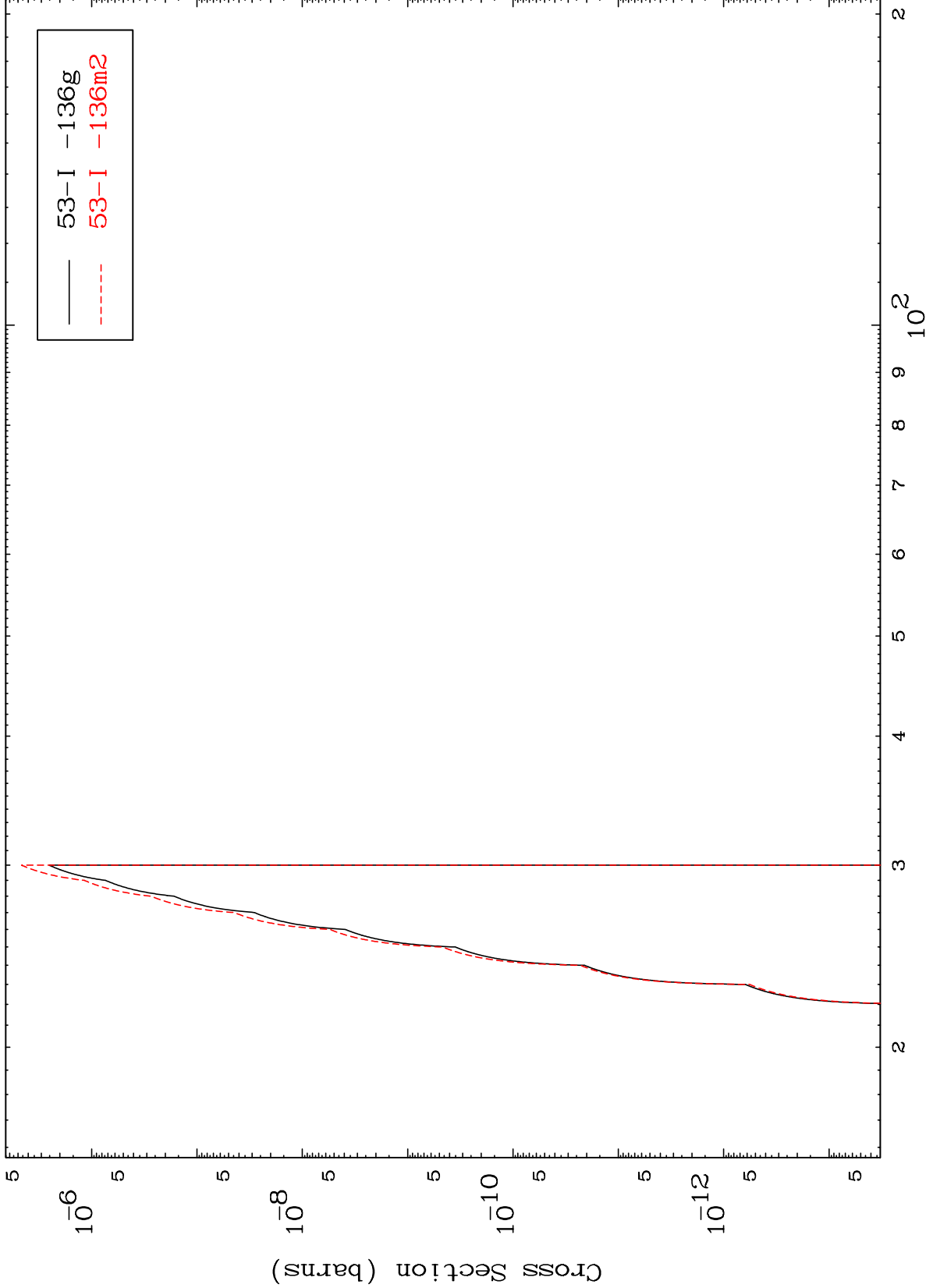
55-Cs-139

MAT 5543

(n,n') He-3

55-Cs-139

Radionuclide Production Cross Section



53-I - 136g  
53-I - 136m2

143

Incident Energy (MeV)

55-Cs-139

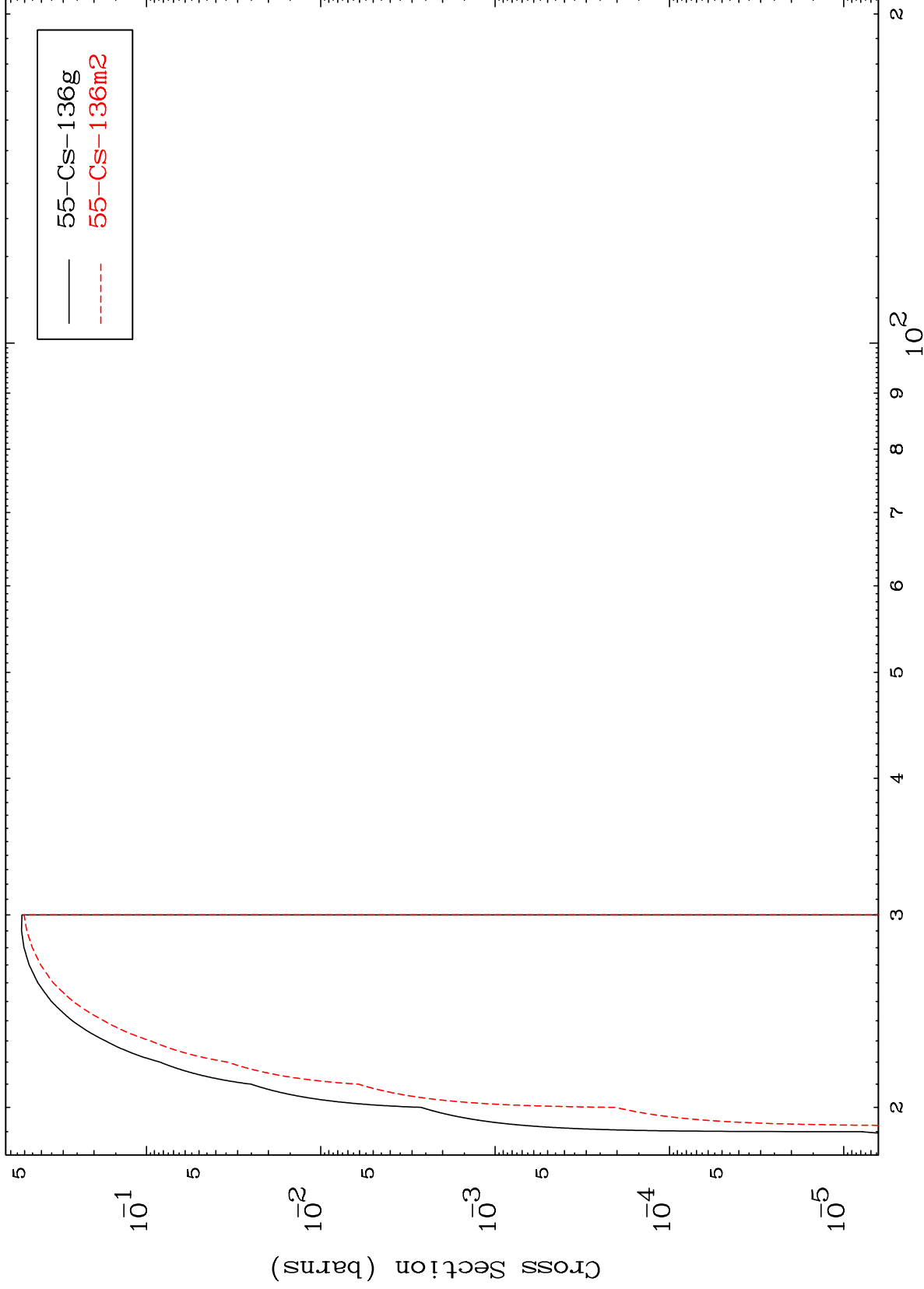


MAT 5543

(n,4n)

55-Cs-139

Radionuclide Production Cross Section



55-Cs-136g  
55-Cs-136m2

144

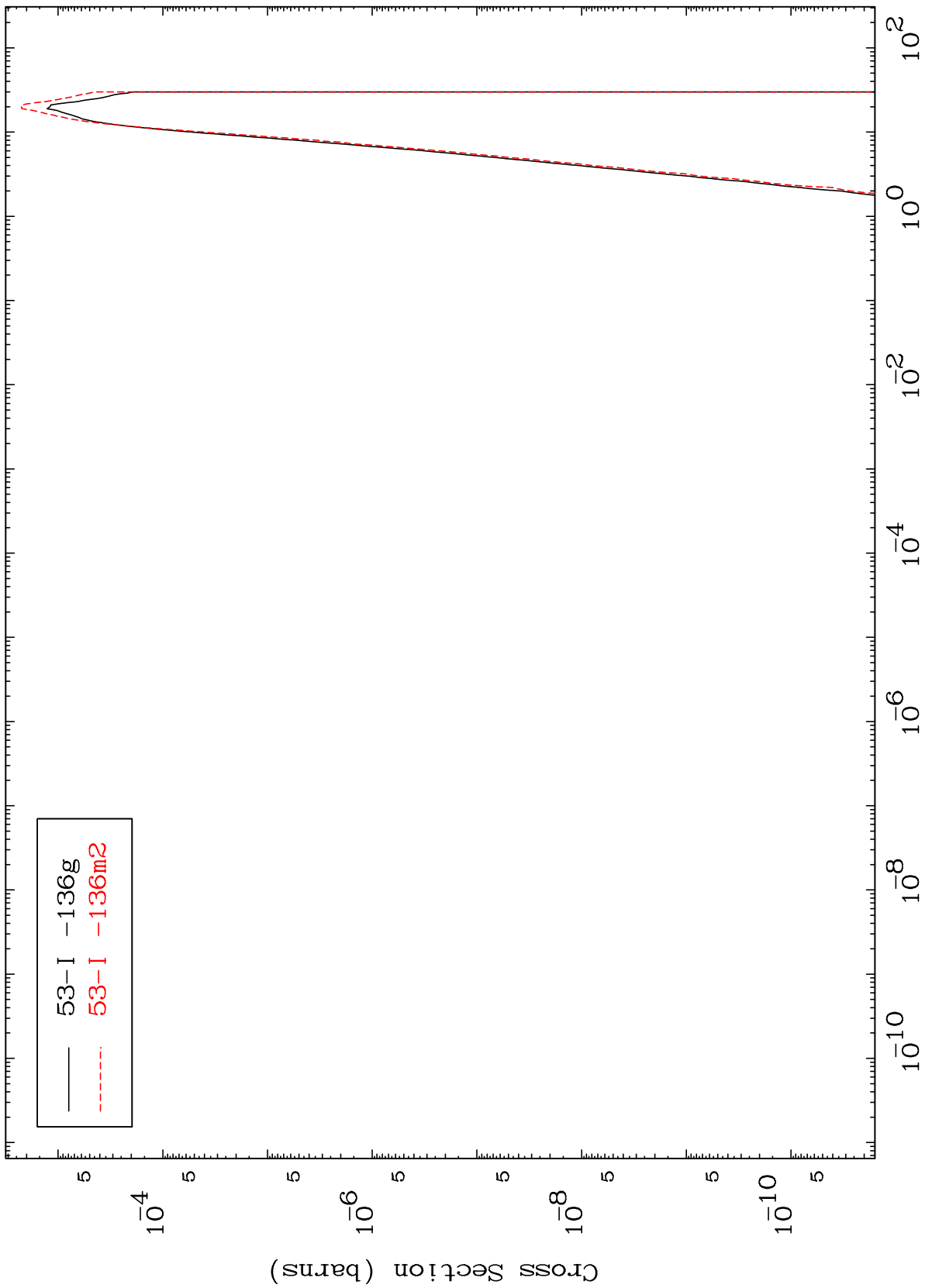
Incident Energy (MeV)

55-Cs-139

MAT 5543

55-Cs-139

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



55-Cs-139

Incident Energy (MeV)

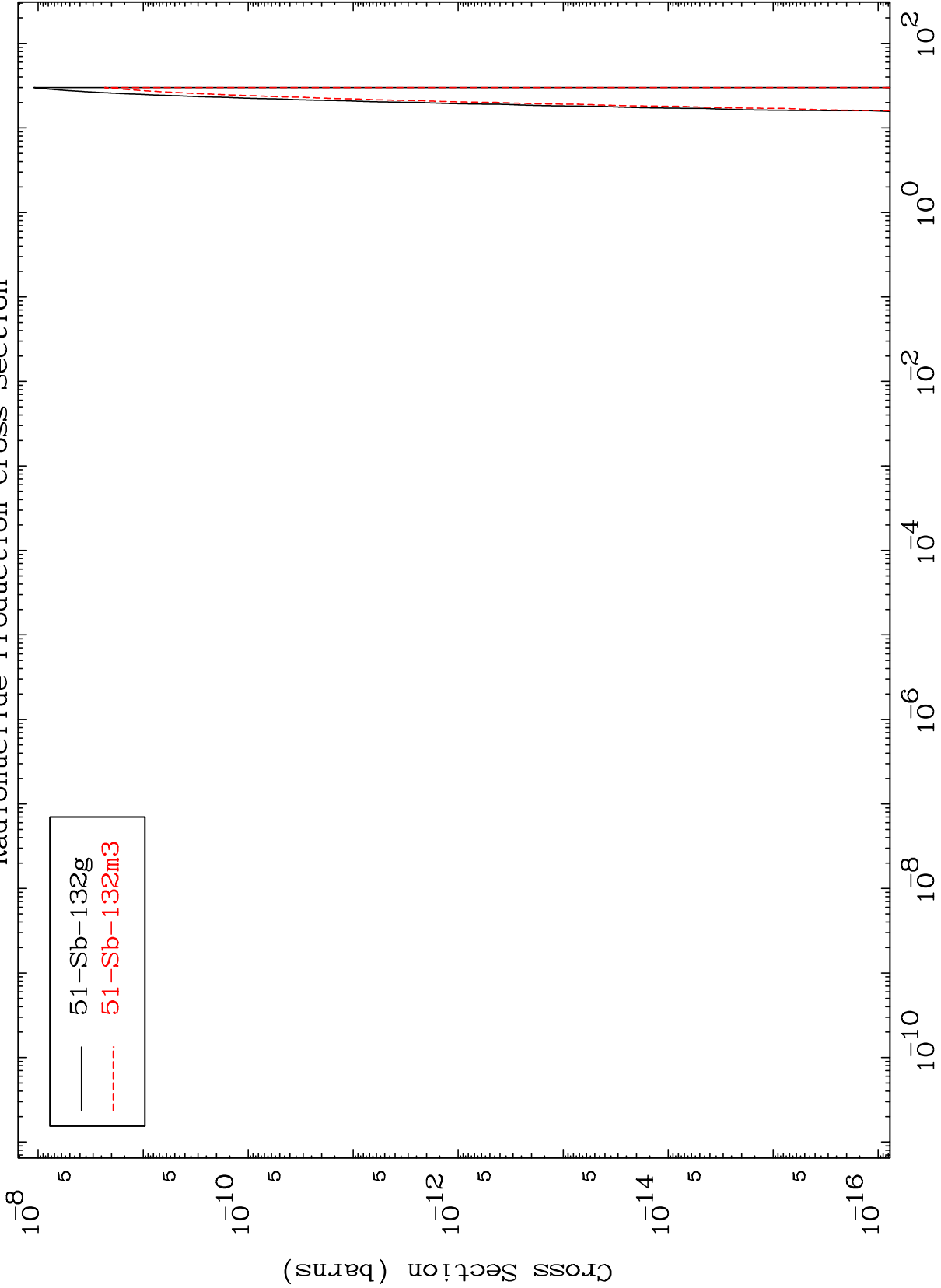
145

MAT 5543

(n,2α)

55-Cs-139

Radionuclide Production Cross Section



146

Incident Energy (MeV)

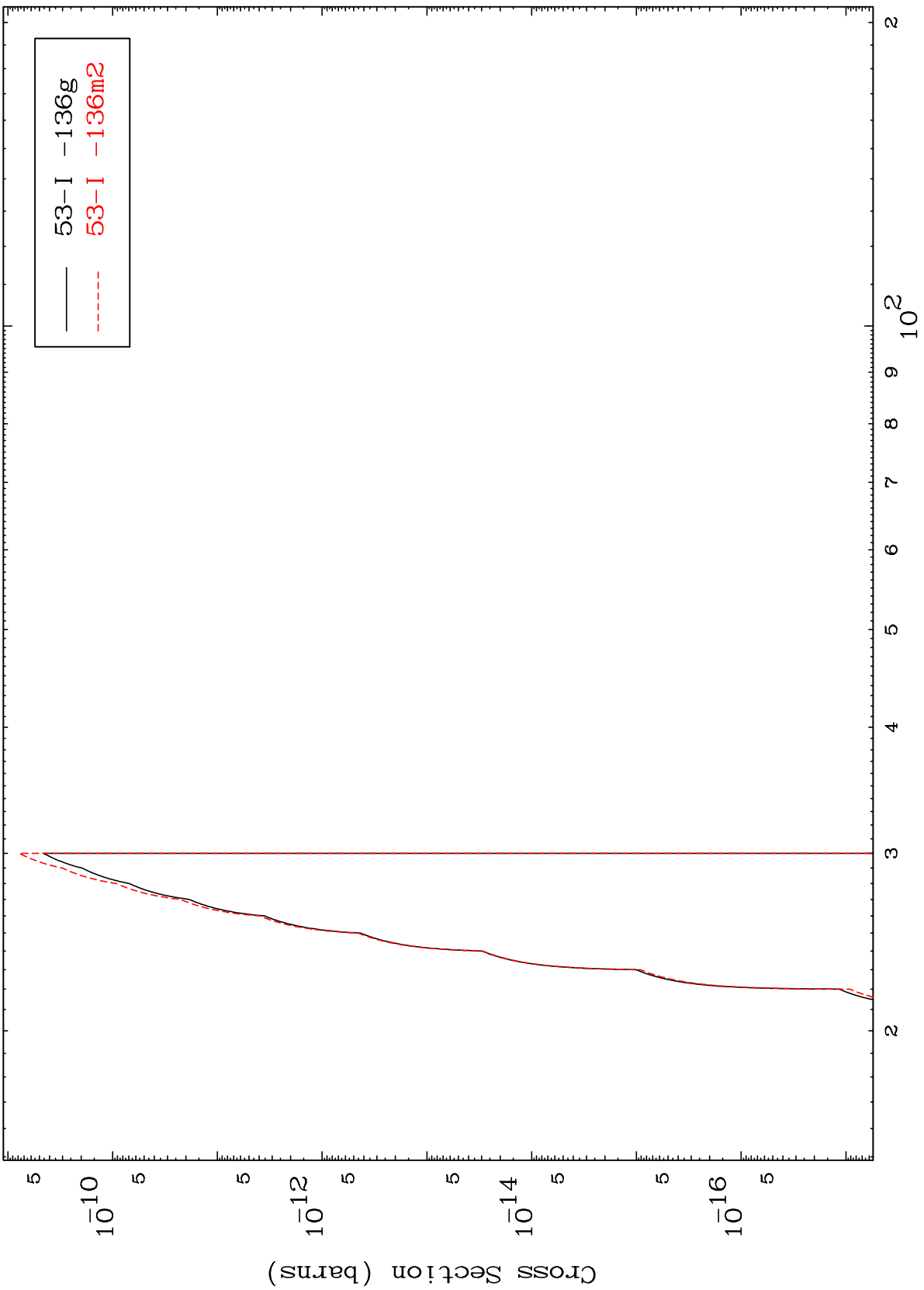
55-Cs-139

MAT 5543

(n,p) t

55-Cs-139

Radionuclide Production Cross Section



147

Incident Energy (MeV)

55-Cs-139