

Program EVALPLOT  
(Version 2018-1)

by

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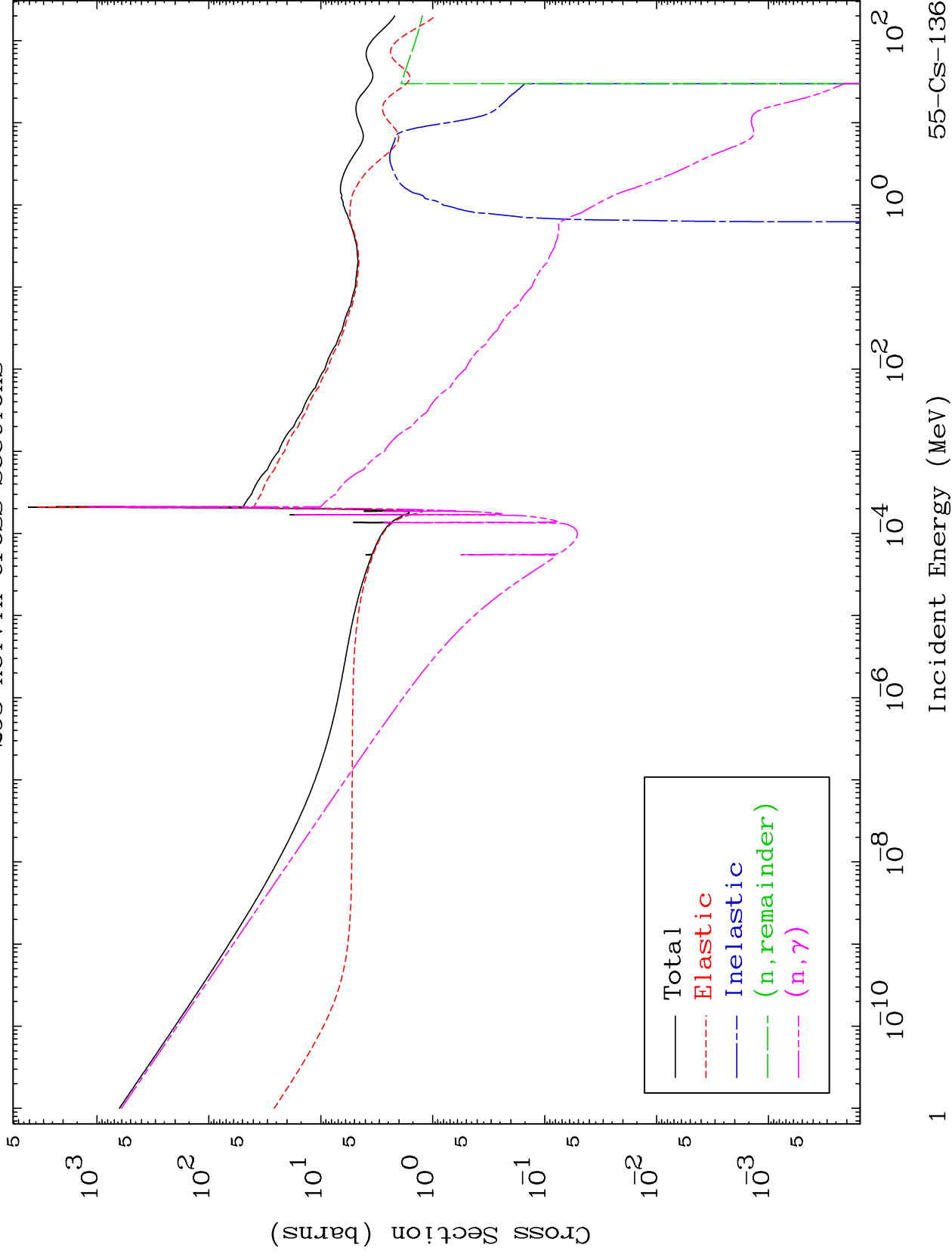
Press Mouse Button to Start

MAT 5534

Major

293 Kelvin Cross Sections

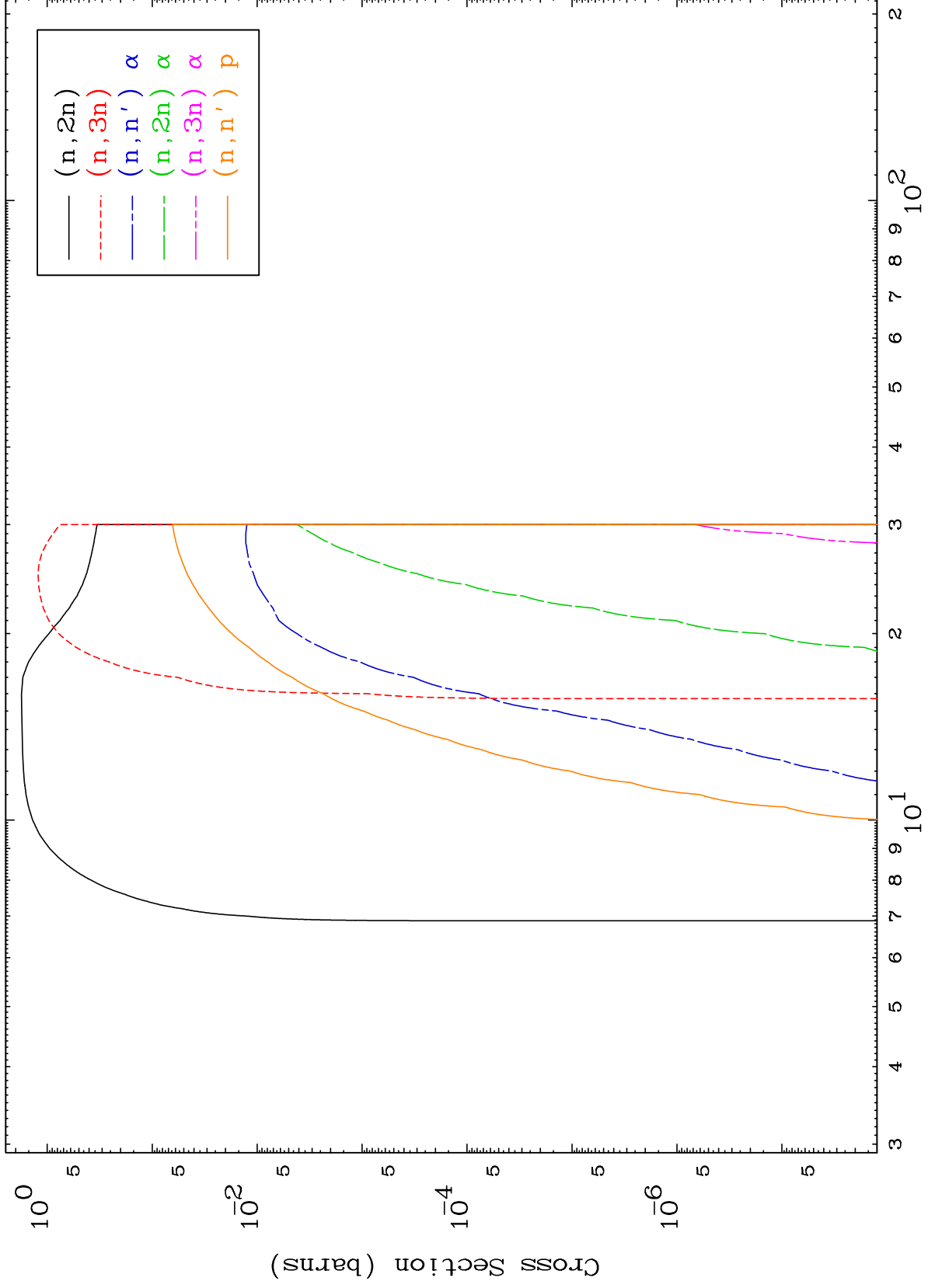
55-Cs-136



MAT 5534

Neutron Production  
293 Kelvin Cross Sections

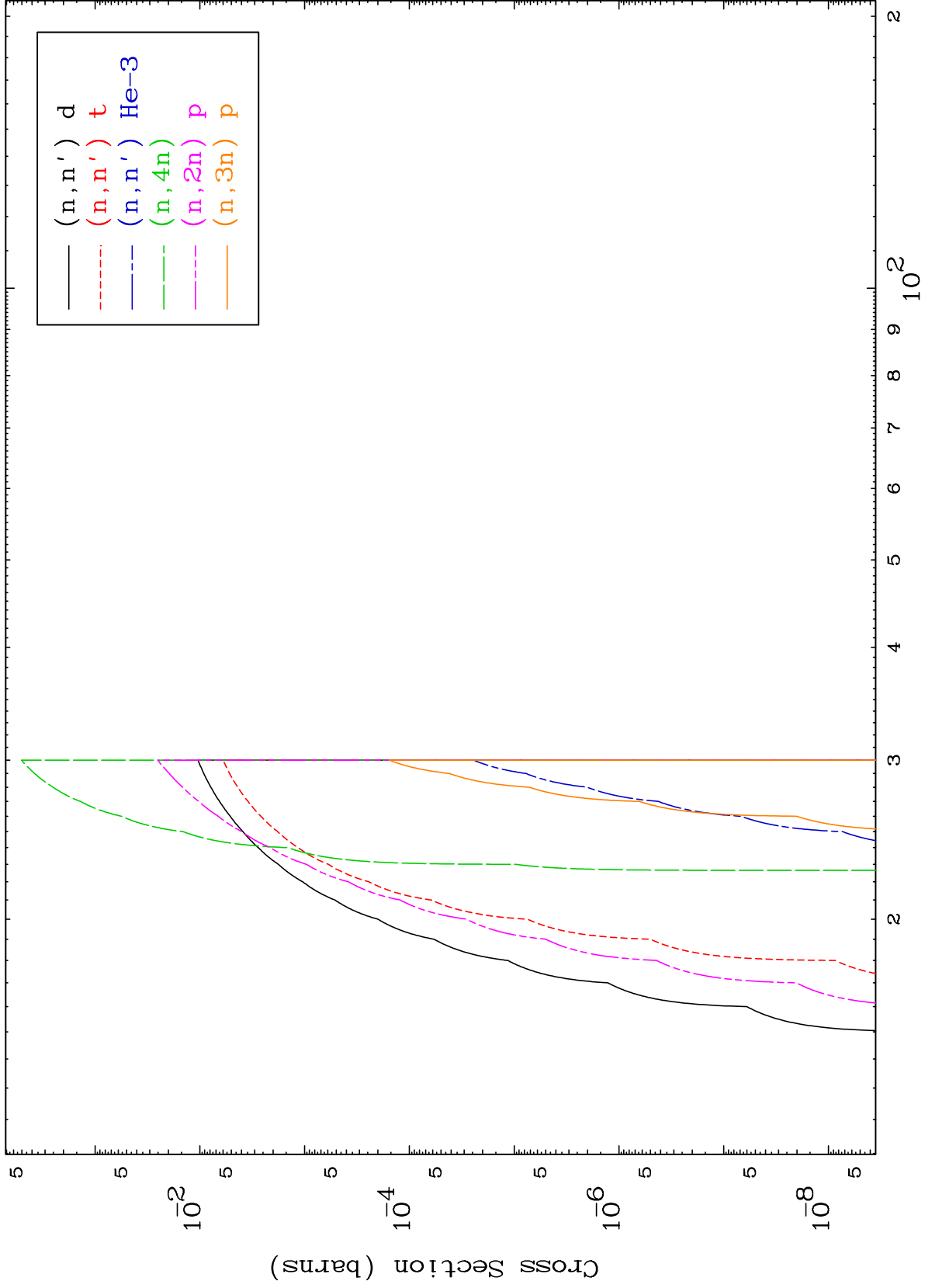
55-Cs-136



2

Incident Energy (MeV)

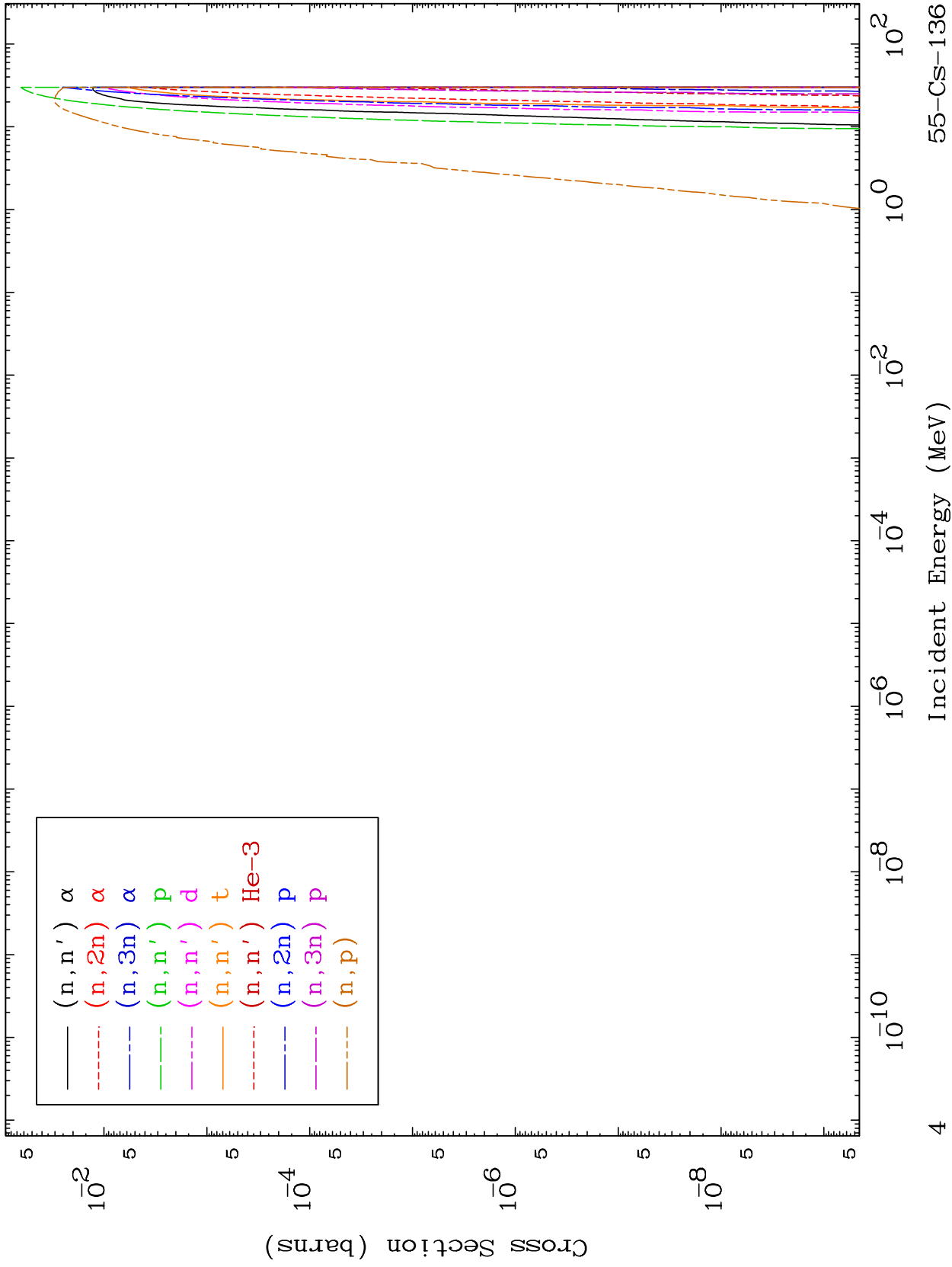
55-Cs-136



MAT 5534

Charged Particle  
293 Kelvin Cross Sections

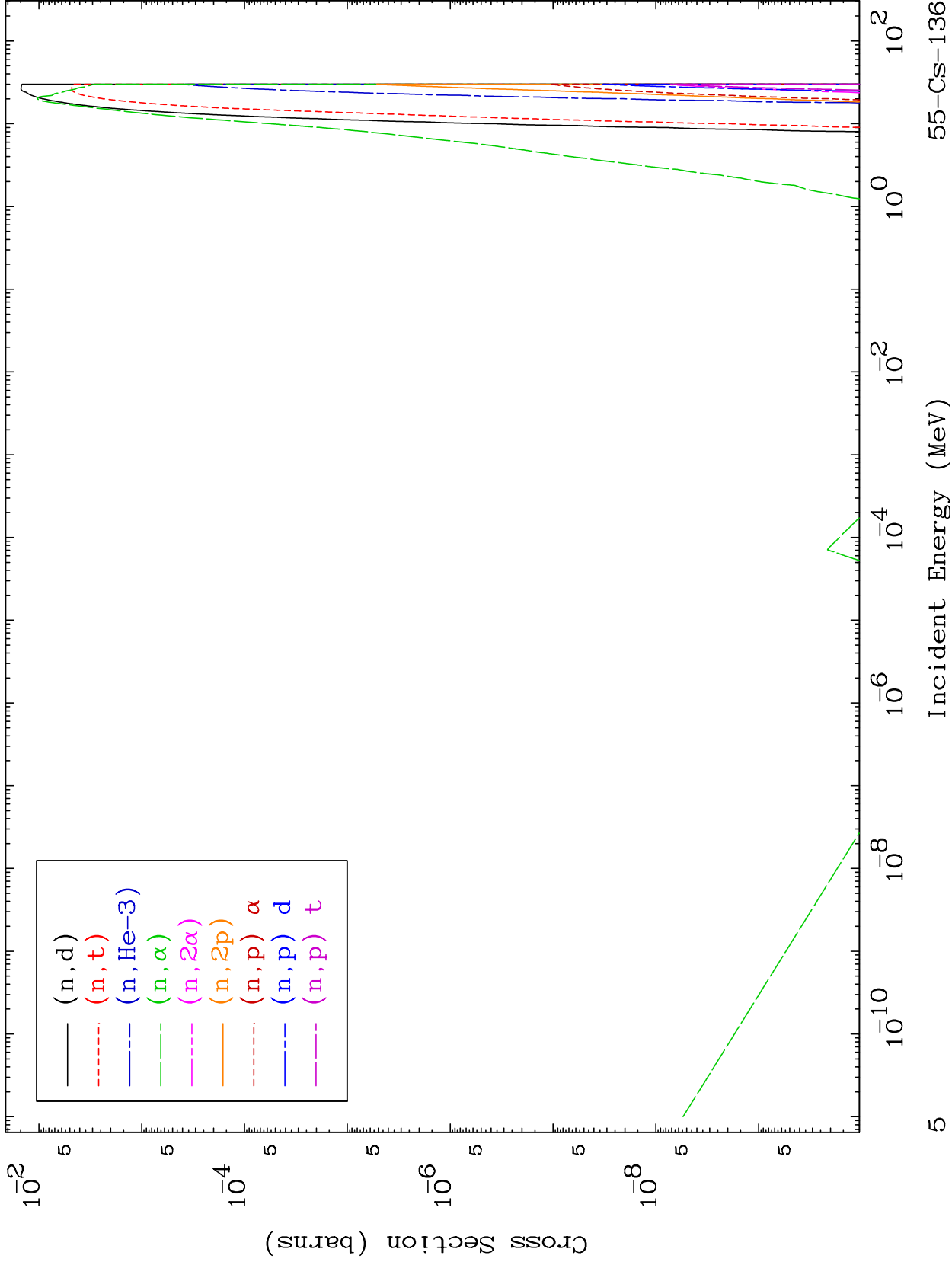
55-Cs-136



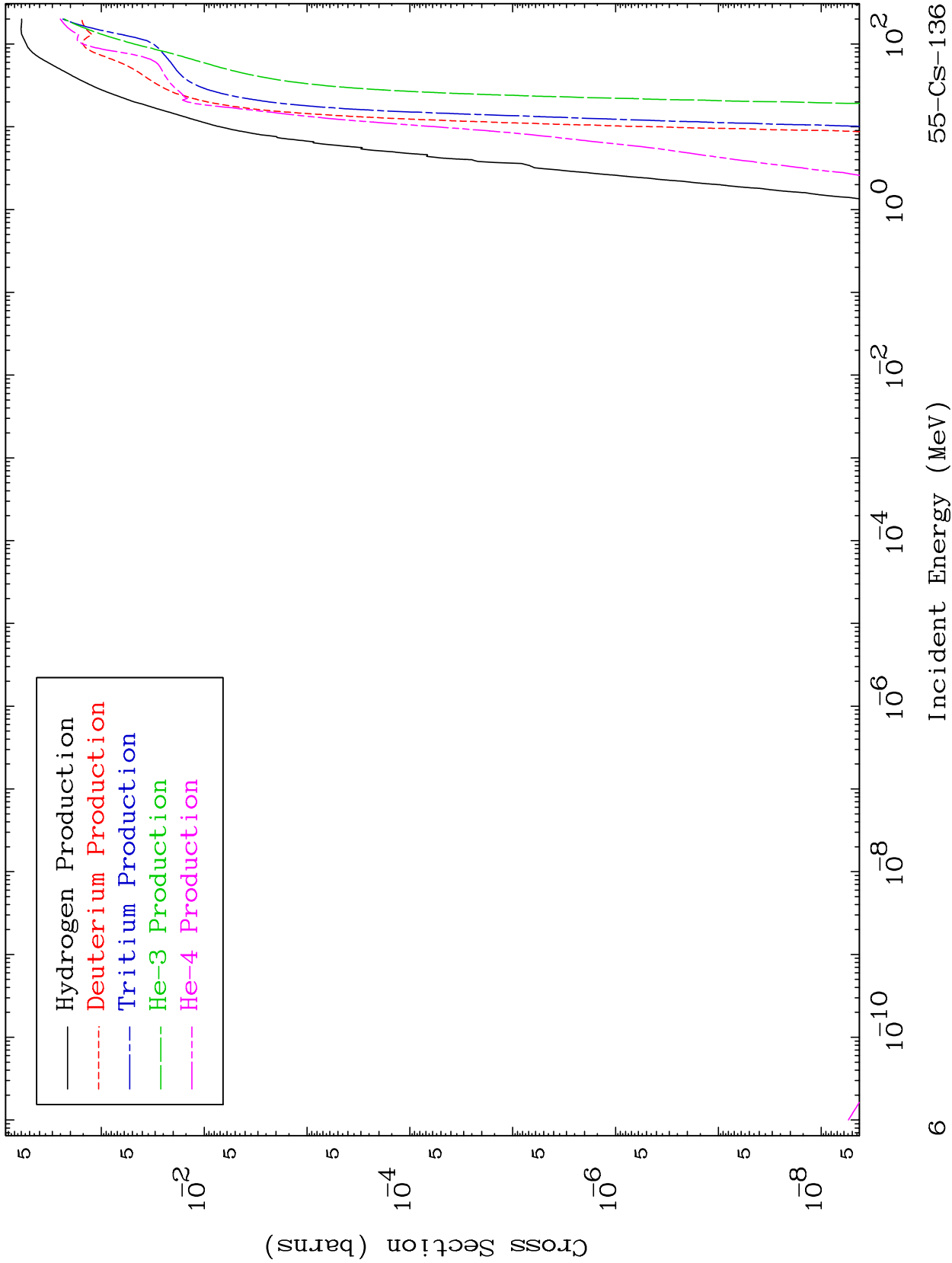
MAT 5534

Charged Particle  
293 Kelvin Cross Sections

55-Cs-136



5

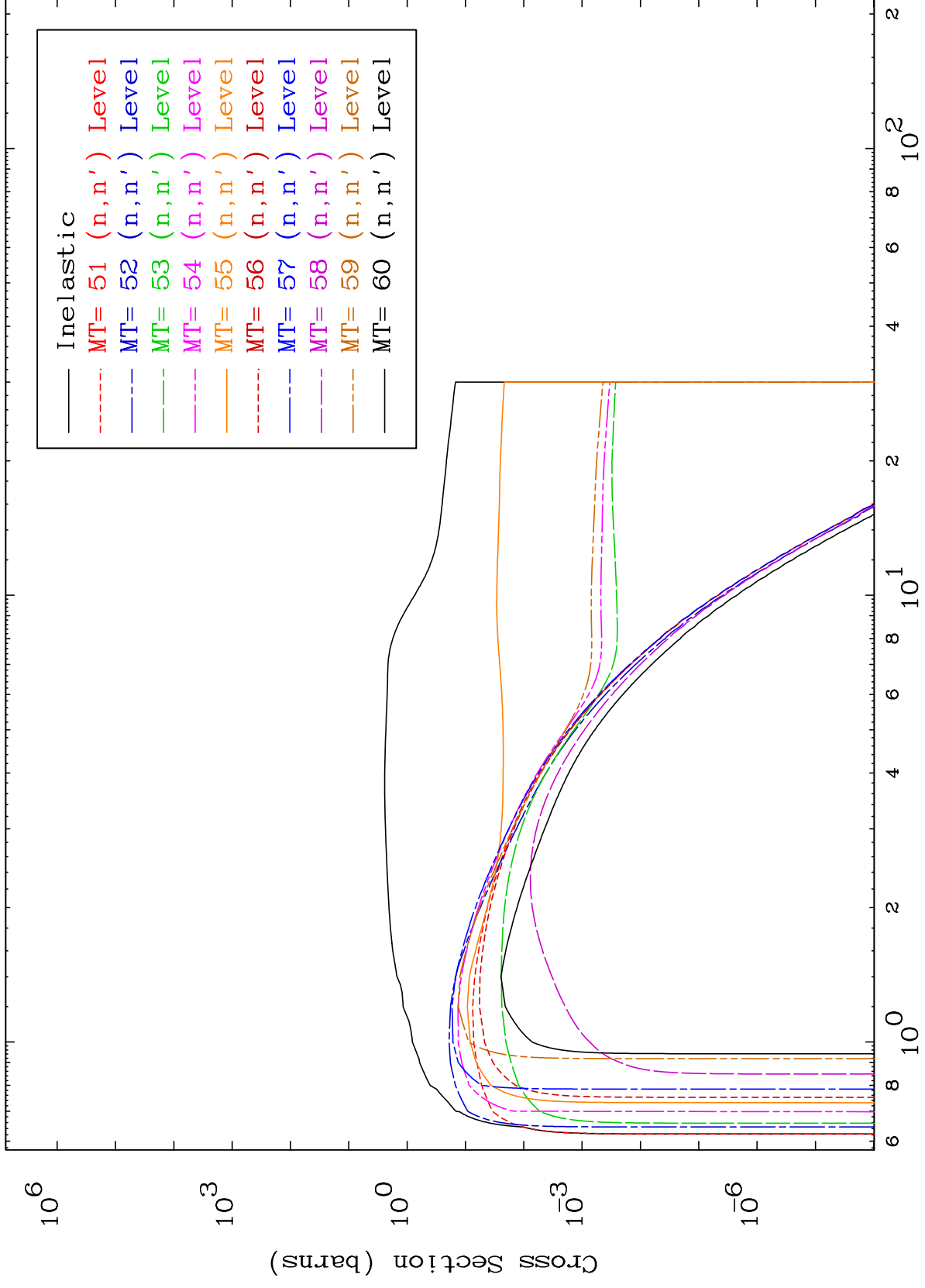


MAT 5534

(n,n') Level

55-Cs-136

293 Kelvin Cross Sections



Incident Energy (MeV)

55-Cs-136

7

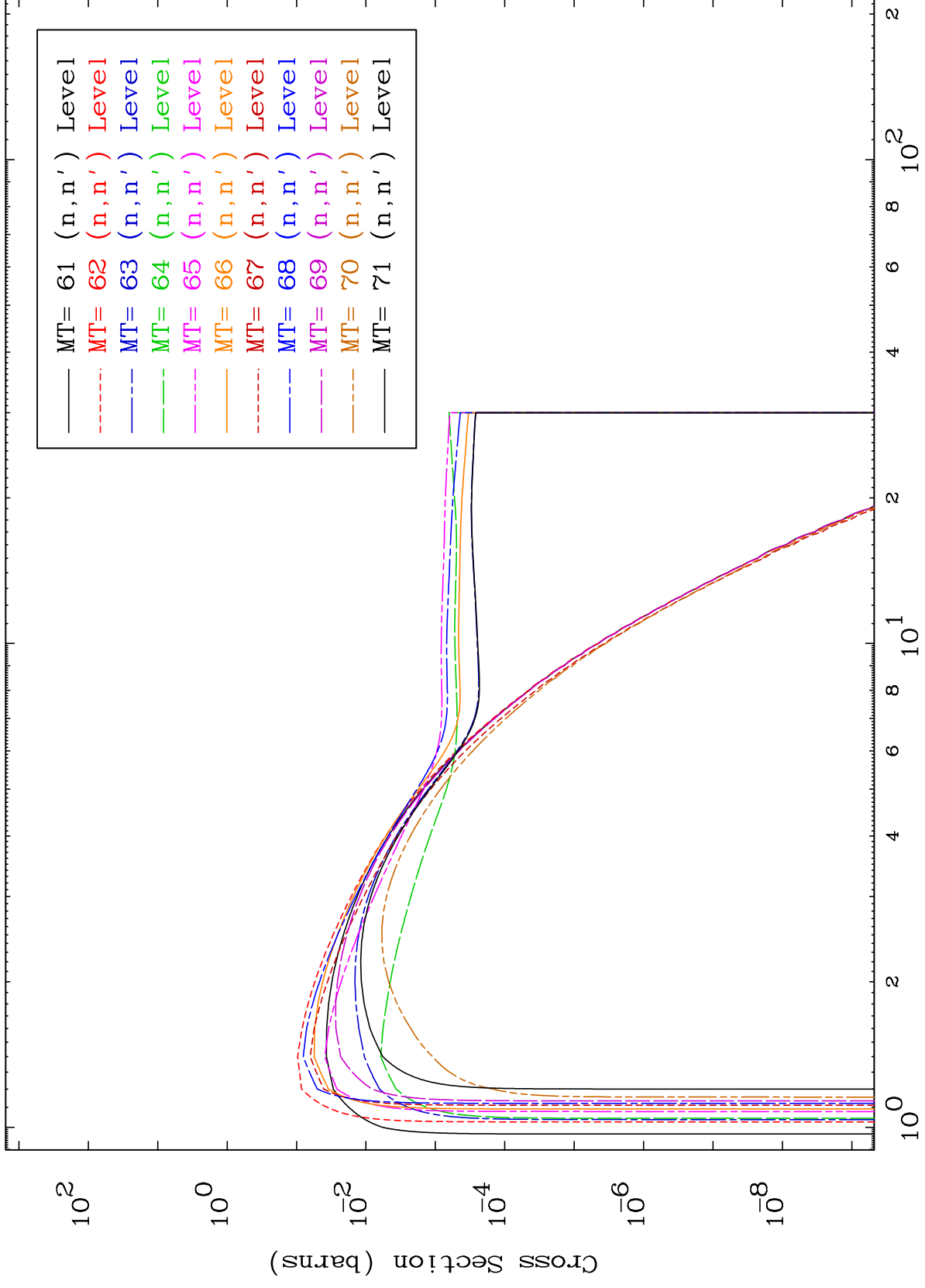


MAT 5534

(n,n') Level

293 Kelvin Cross Sections

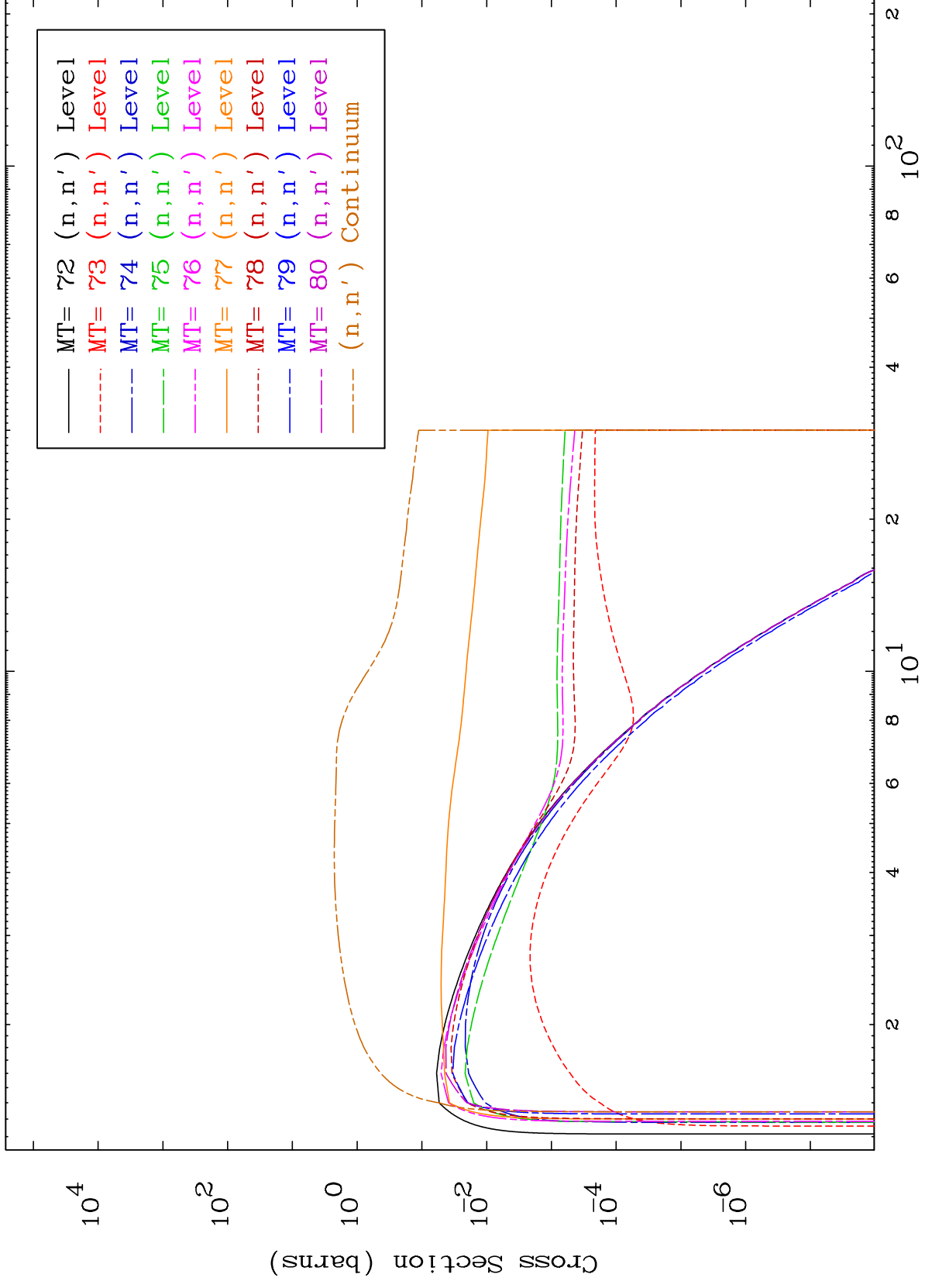
55-Cs-136



Incident Energy (MeV)

55-Cs-136

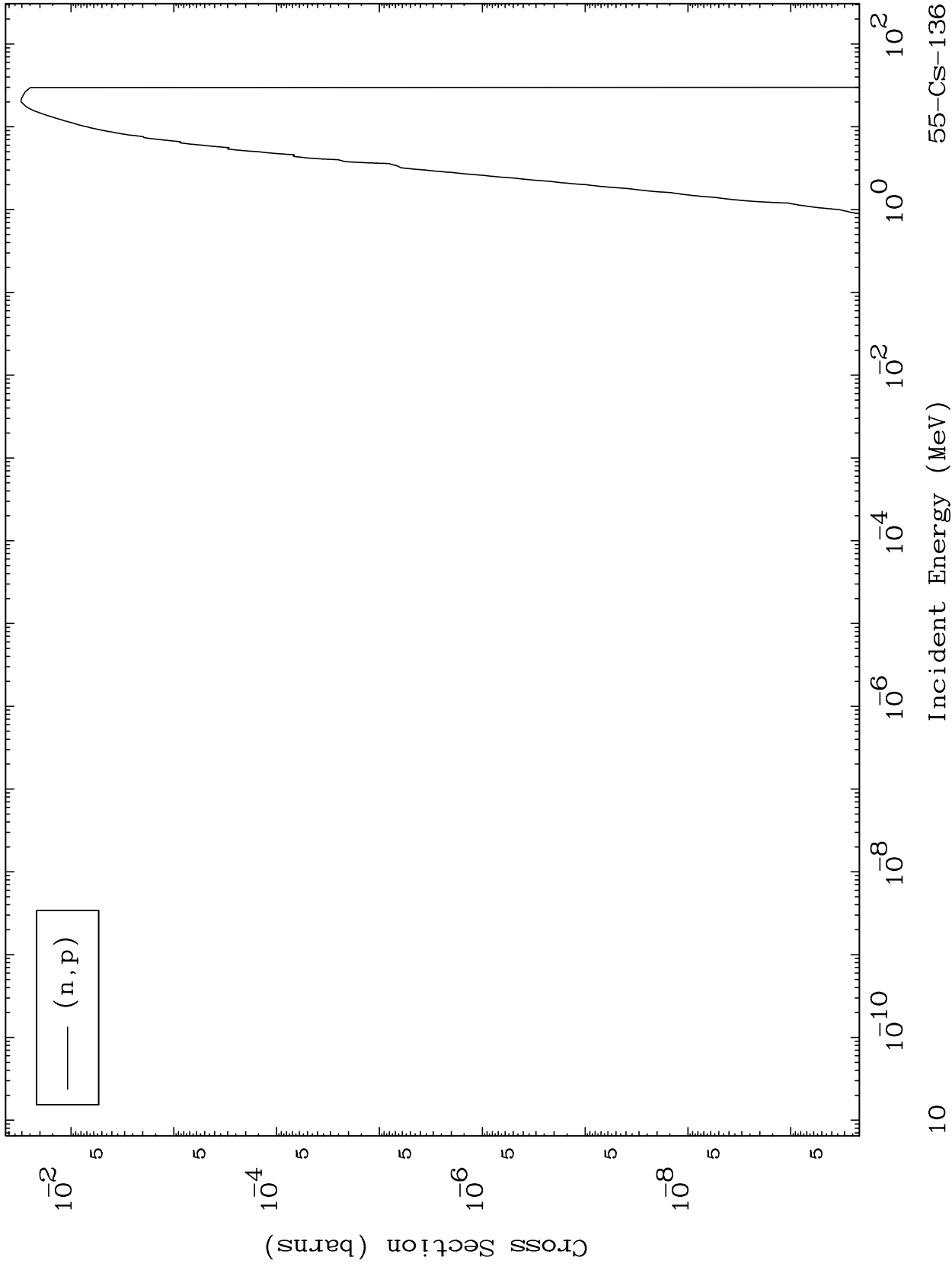
293 Kelvin Cross Sections



MAT 5534

(n,p) Levels  
293 Kelvin Cross Sections

55-Cs-136



10

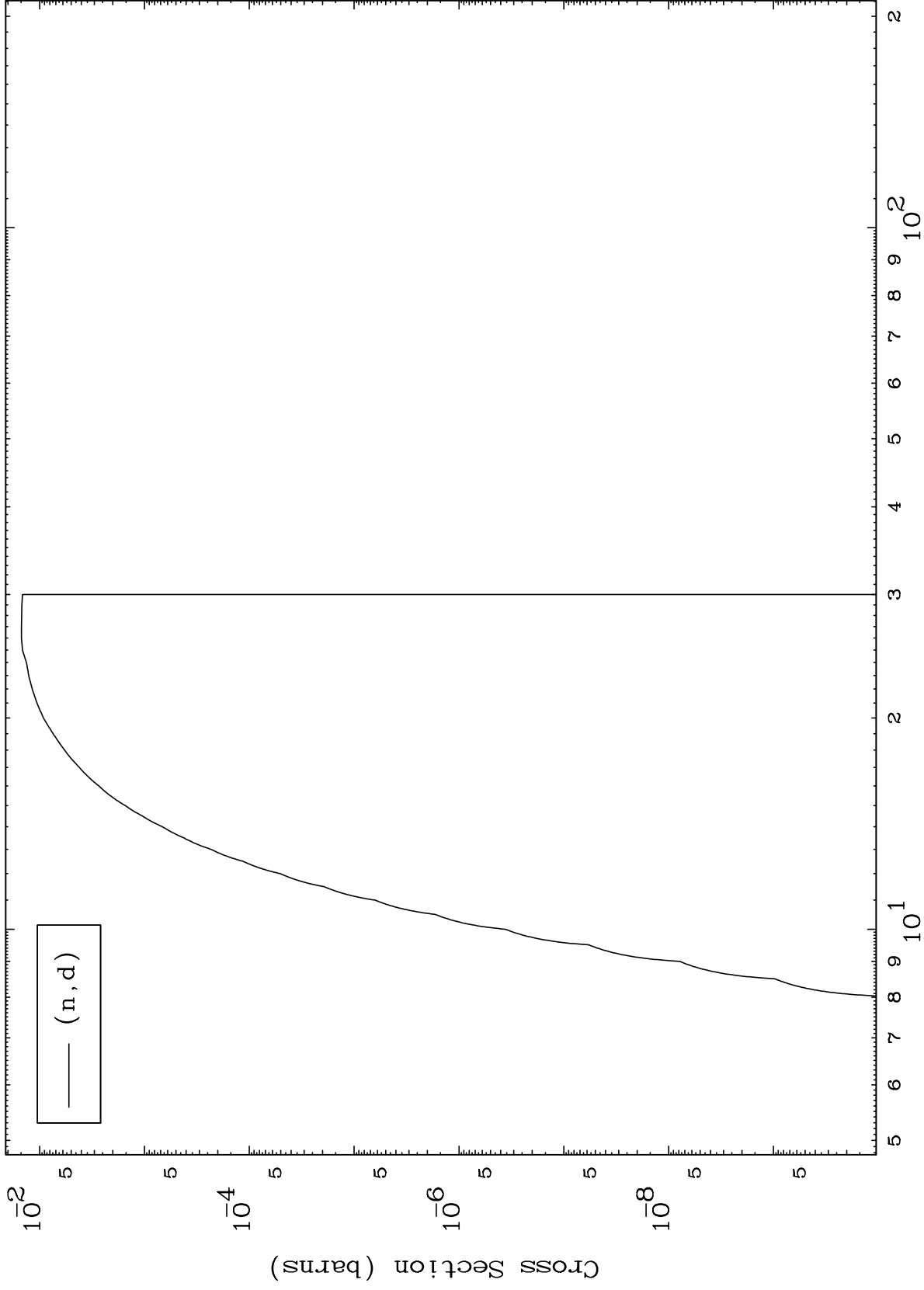
Incident Energy (MeV)

55-Cs-136

MAT 5534

(n,d) Levels  
293 Kelvin Cross Sections

55-Cs-136



11

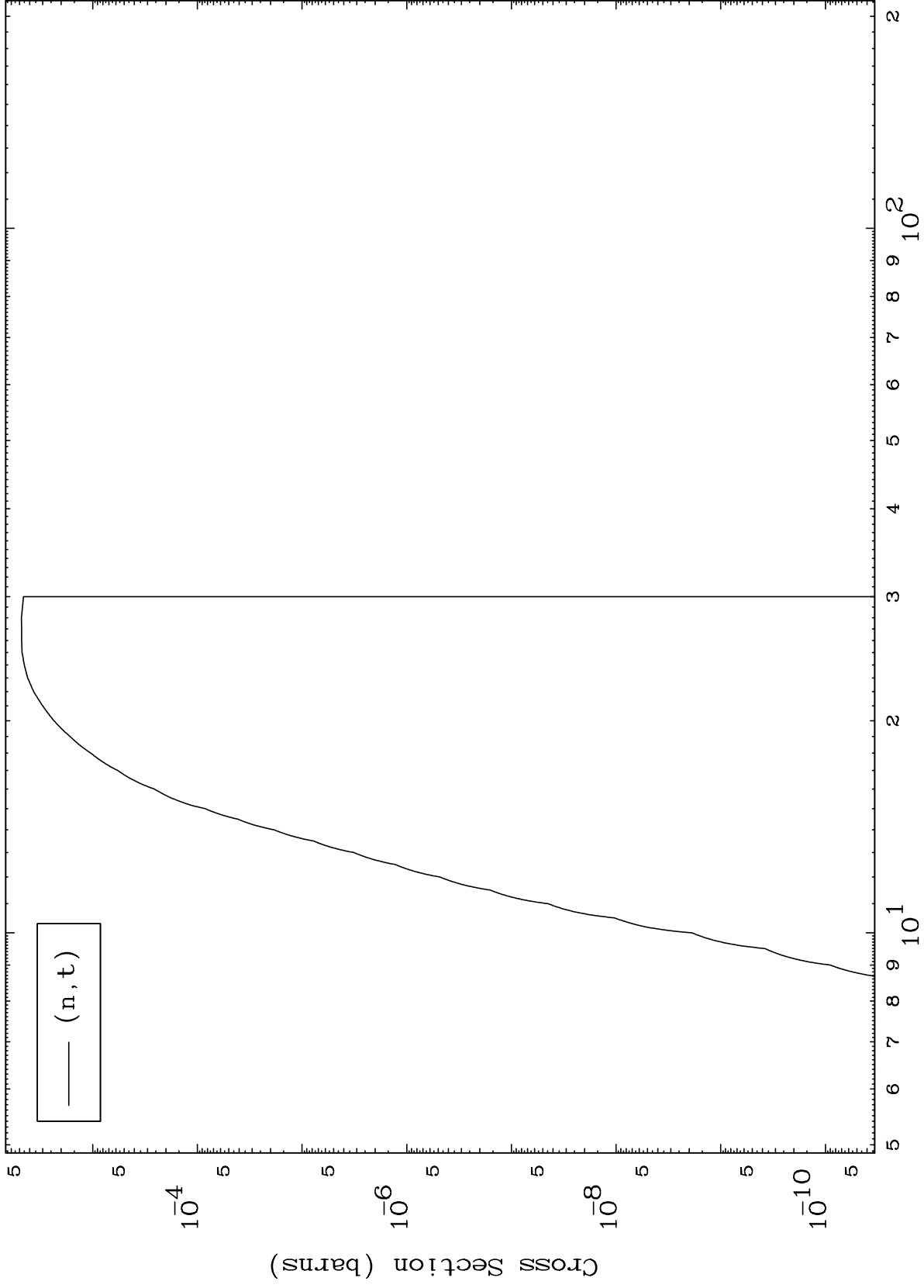
Incident Energy (MeV)

55-Cs-136

MAT 5534

(n,t) Levels  
293 Kelvin Cross Sections

55-Cs-136



(n,t)

Incident Energy (MeV)

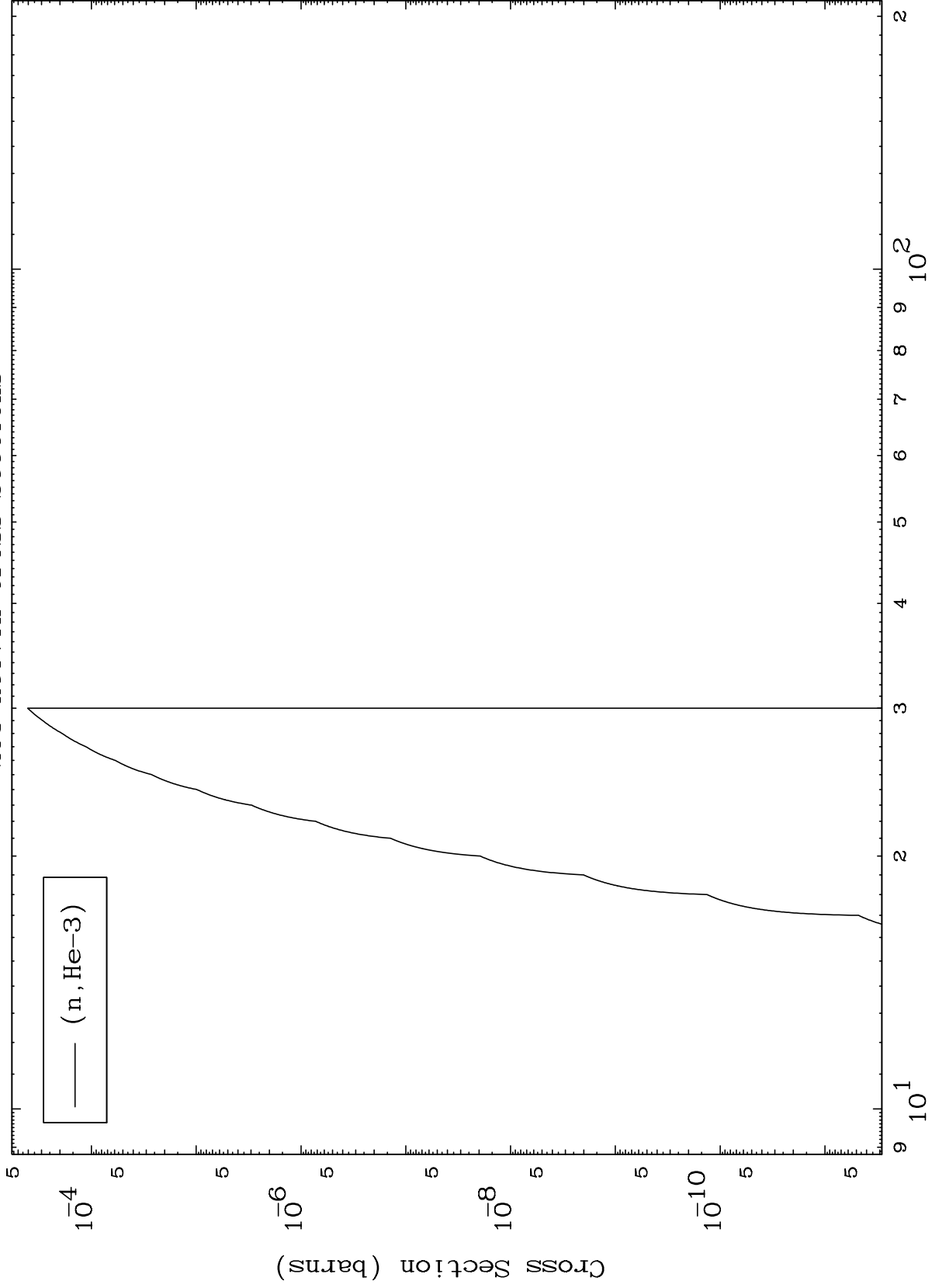
55-Cs-136

12

MAT 5534

(n,He3) Levels  
293 Kelvin Cross Sections

55-Cs-136



13

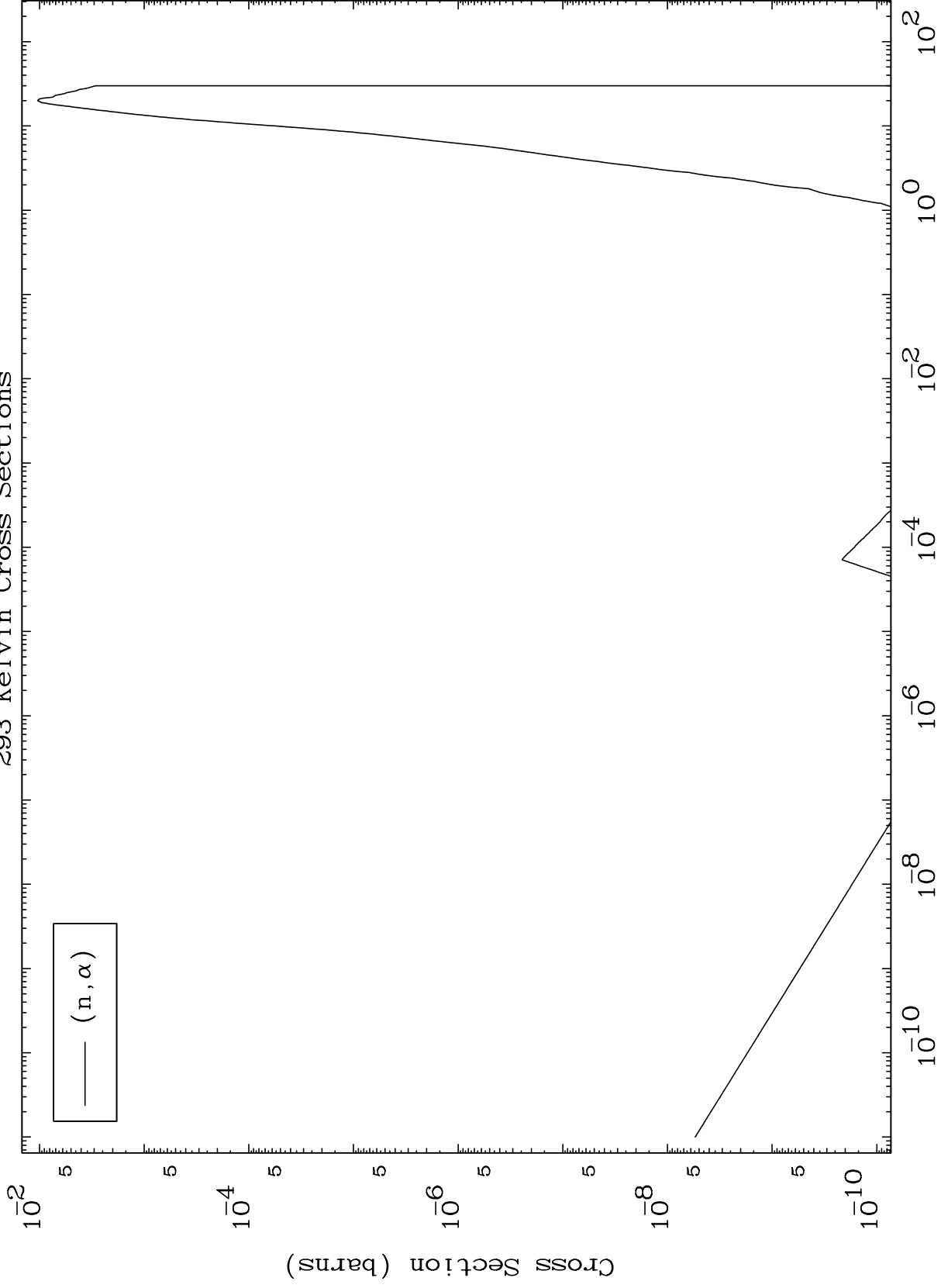
Incident Energy (MeV)

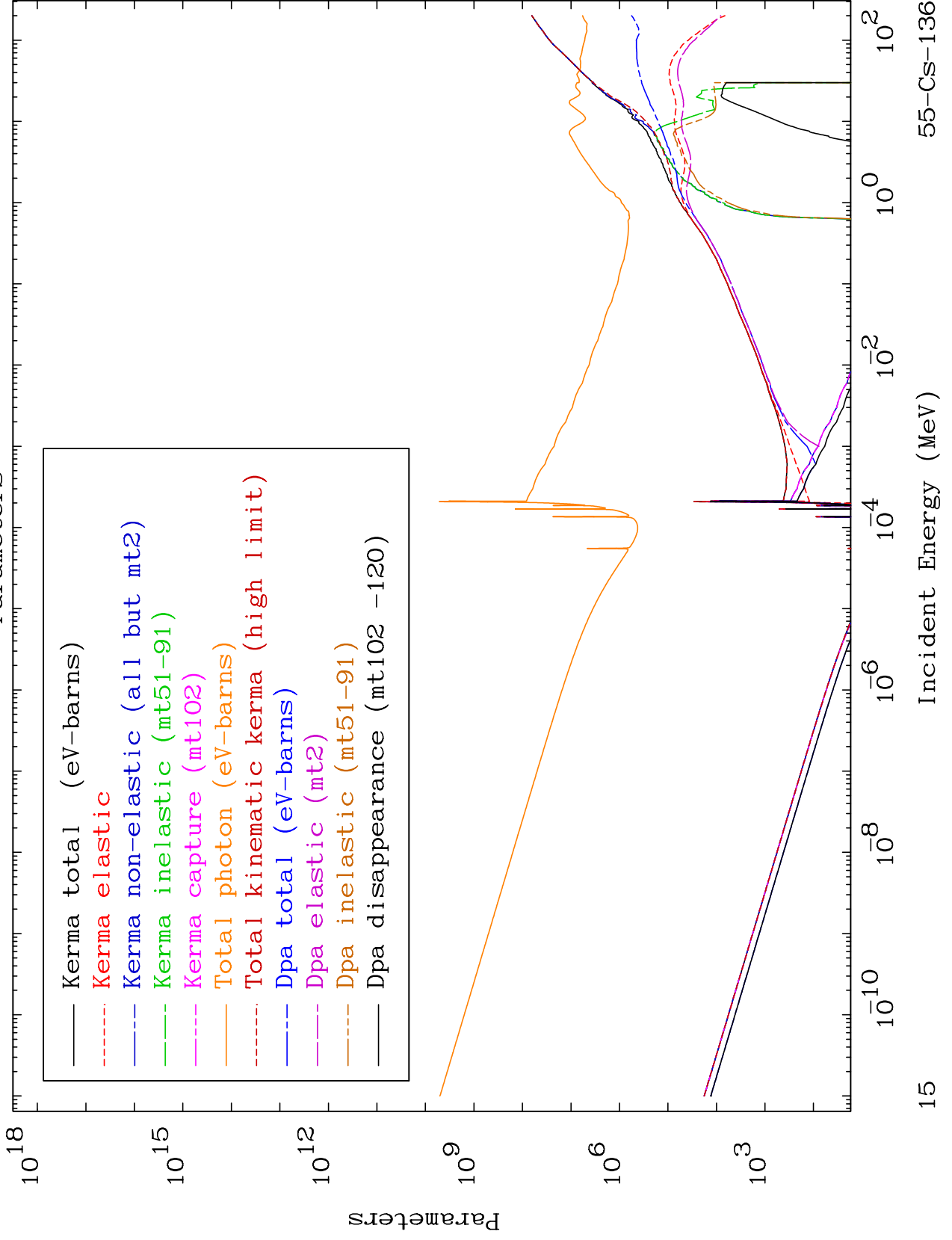
55-Cs-136

MAT 5534

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

55-Cs-136



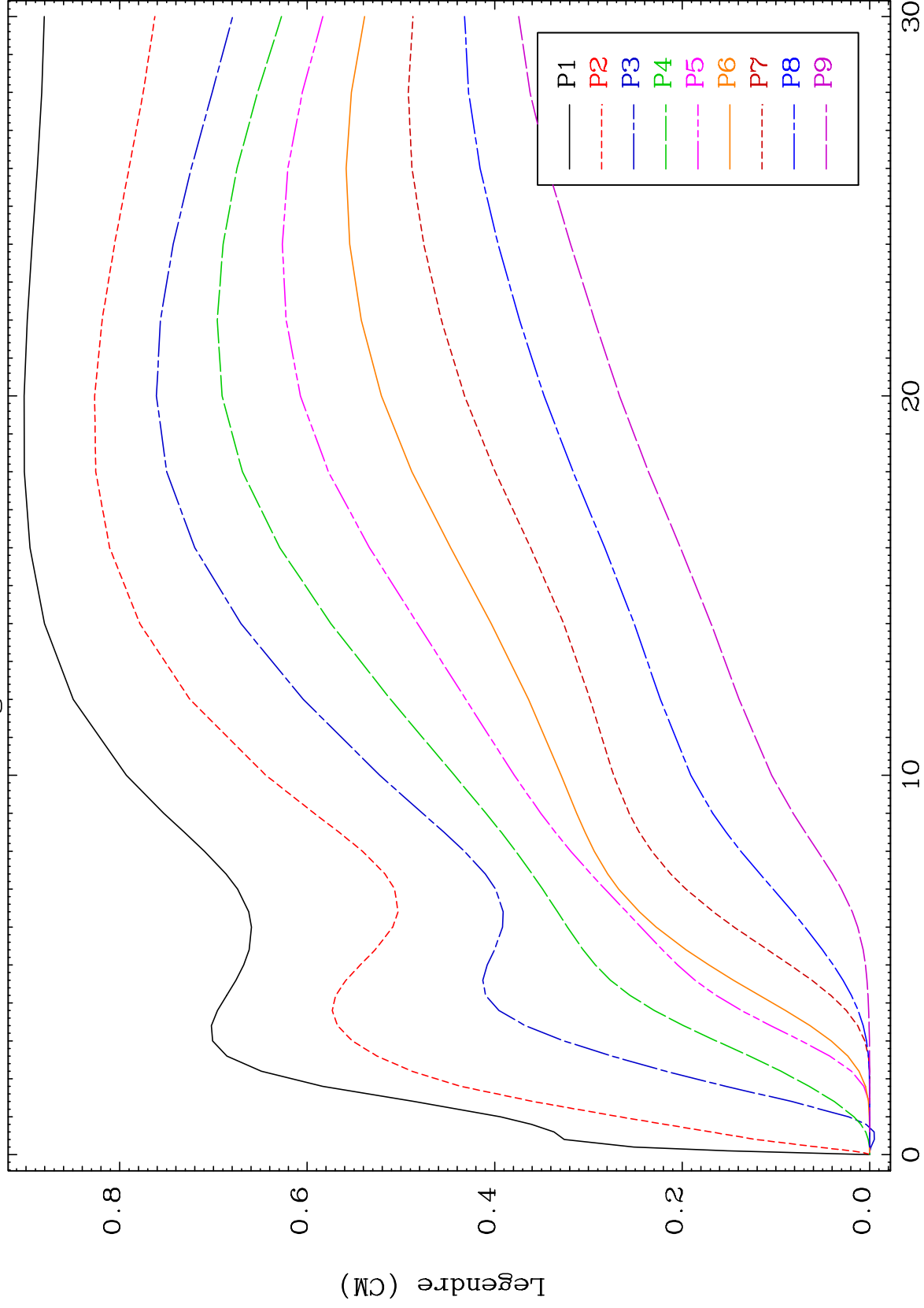




MAT 5534

Elastic Legendre Coefficients

55-Cs-136



16

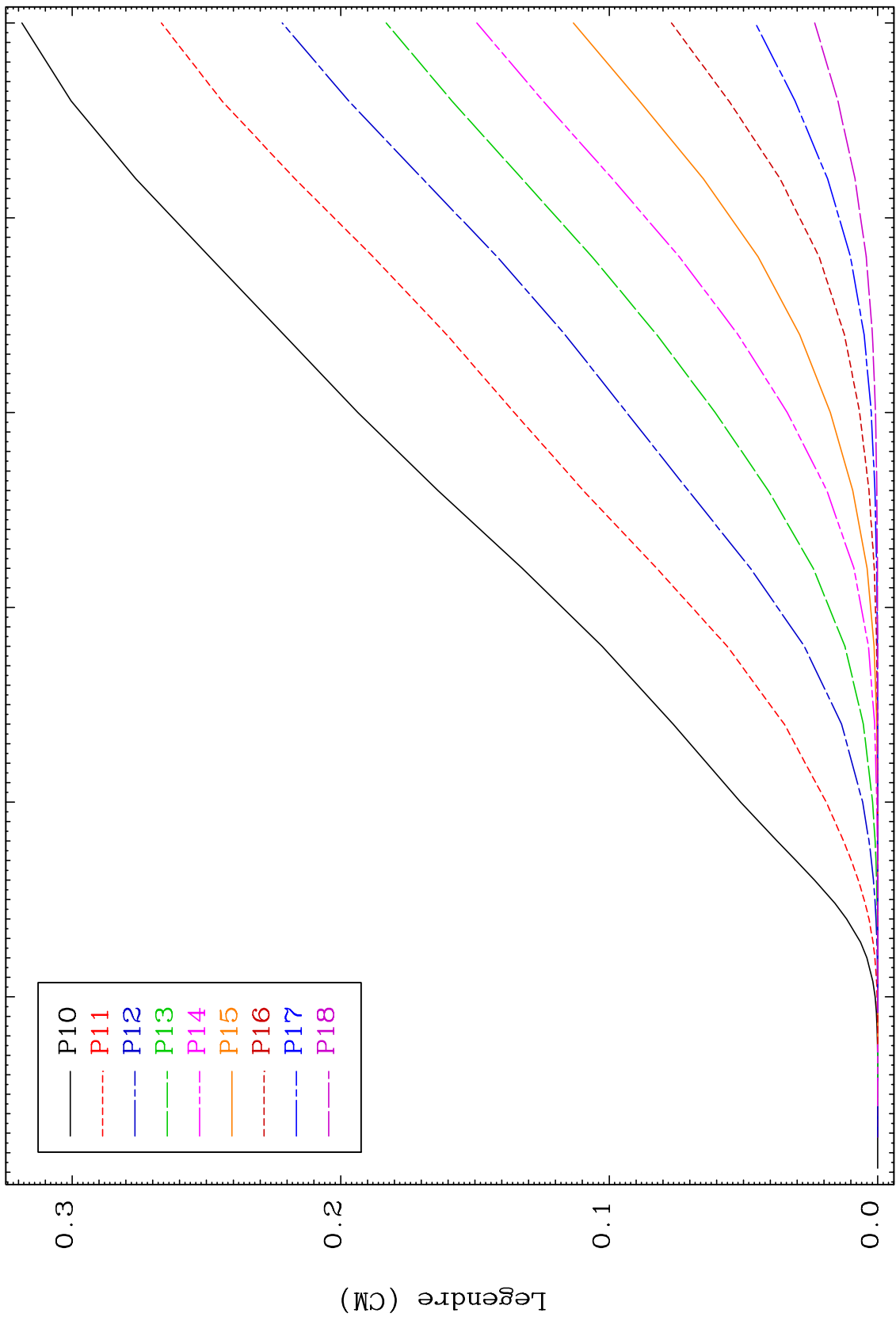
Incident Energy (MeV)

55-Cs-136

MAT 5534

Elastic Legendre Coefficients

55-Cs-136



17

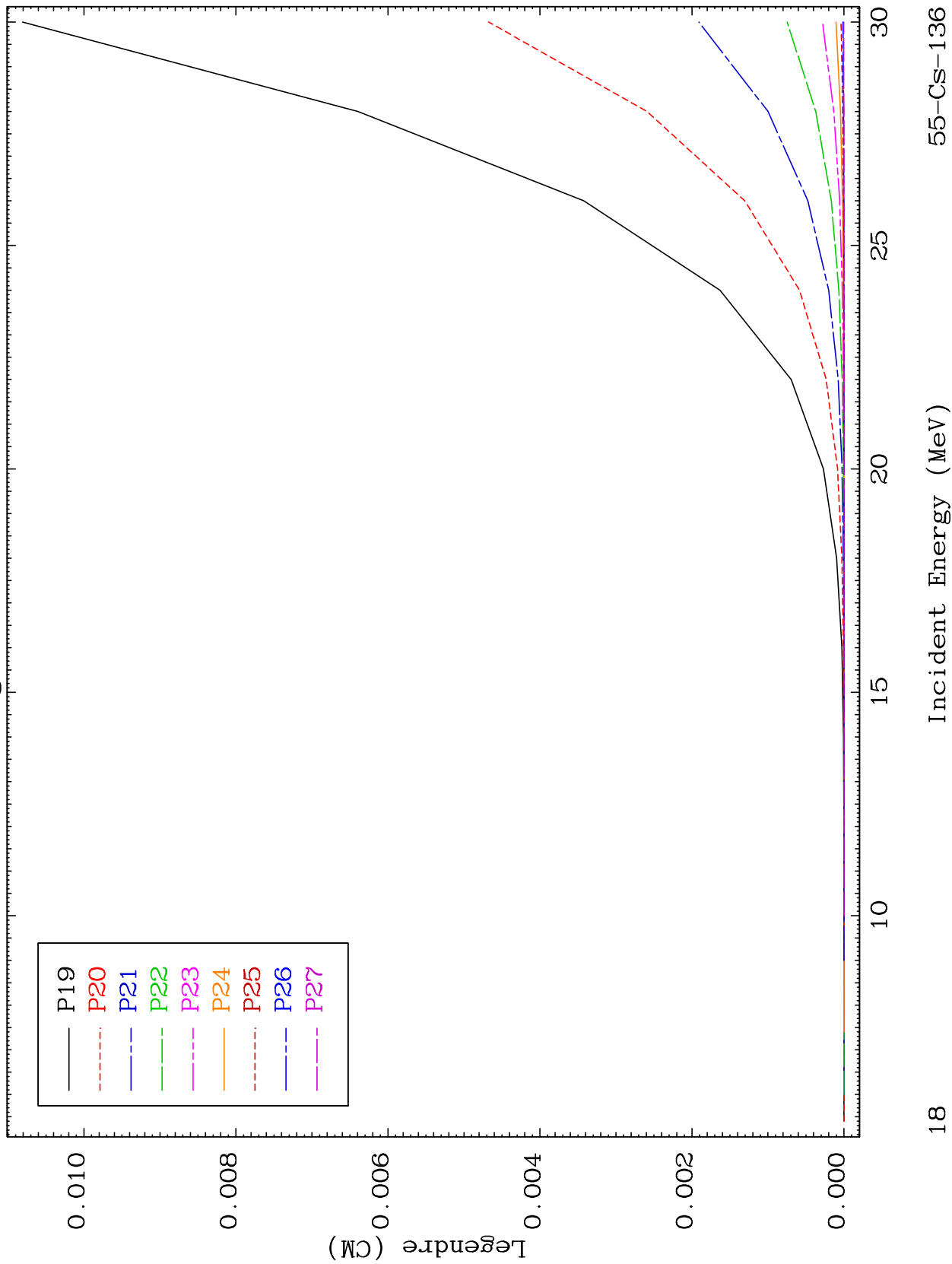
Incident Energy (MeV)

55-Cs-136

MAT 5534

Elastic Legendre Coefficients

55-Cs-136



18

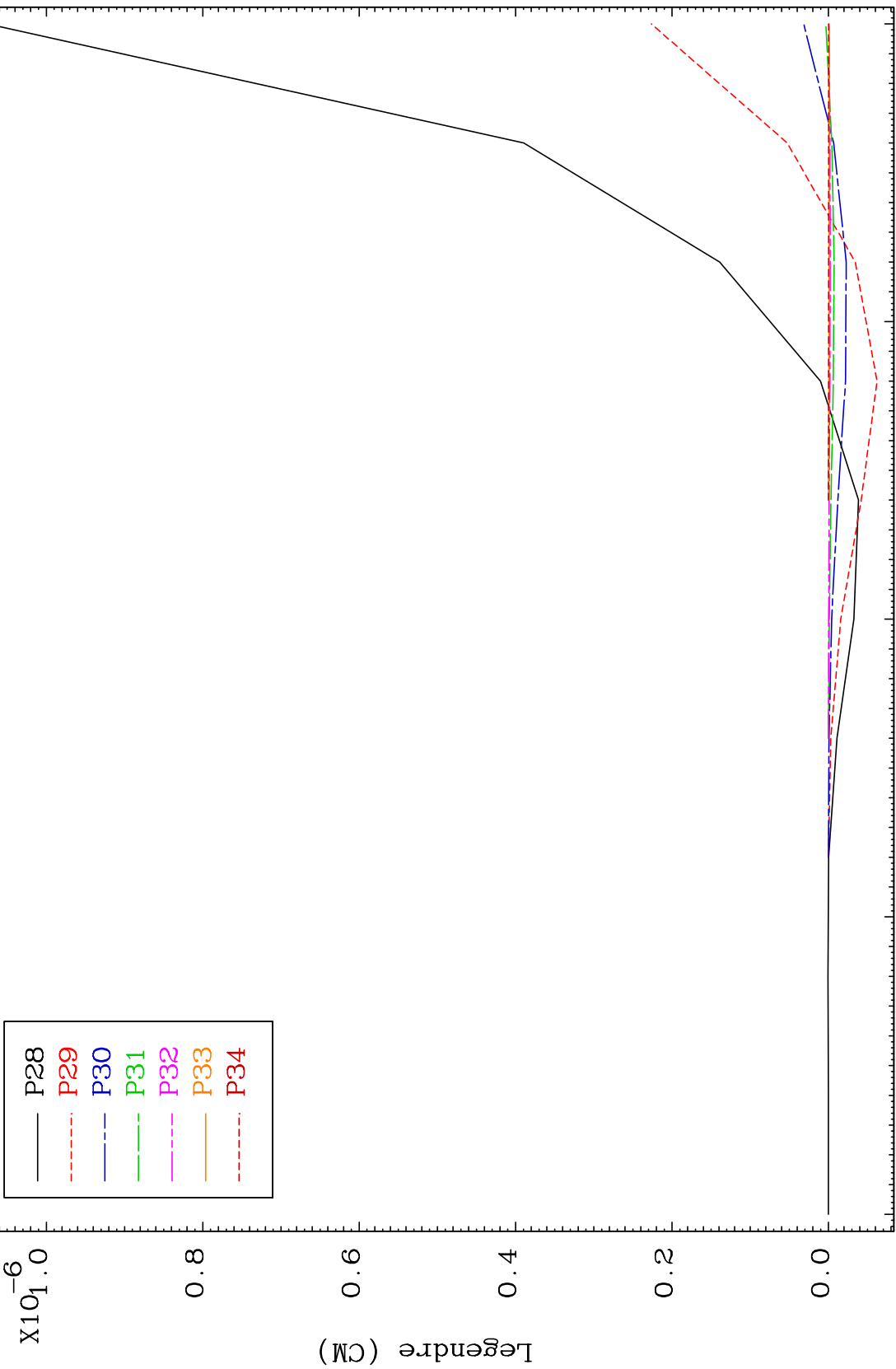
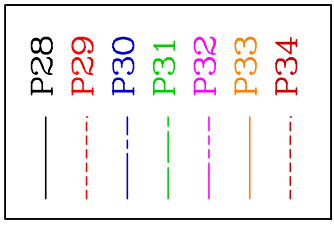
Incident Energy (MeV)

55-Cs-136

MAT 5534

Elastic Legendre Coefficients

55-Cs-136



19

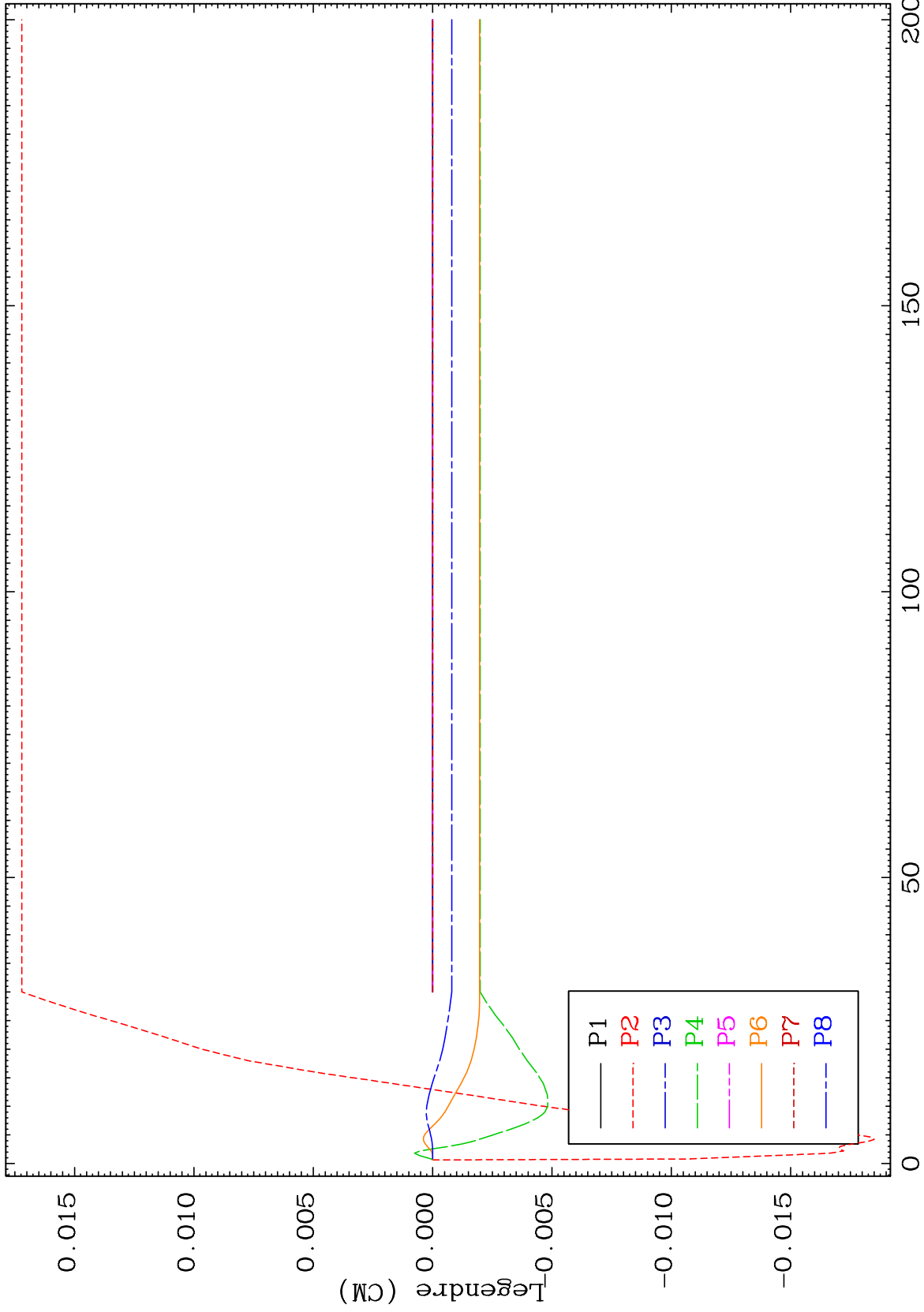
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



Incident Energy (MeV)

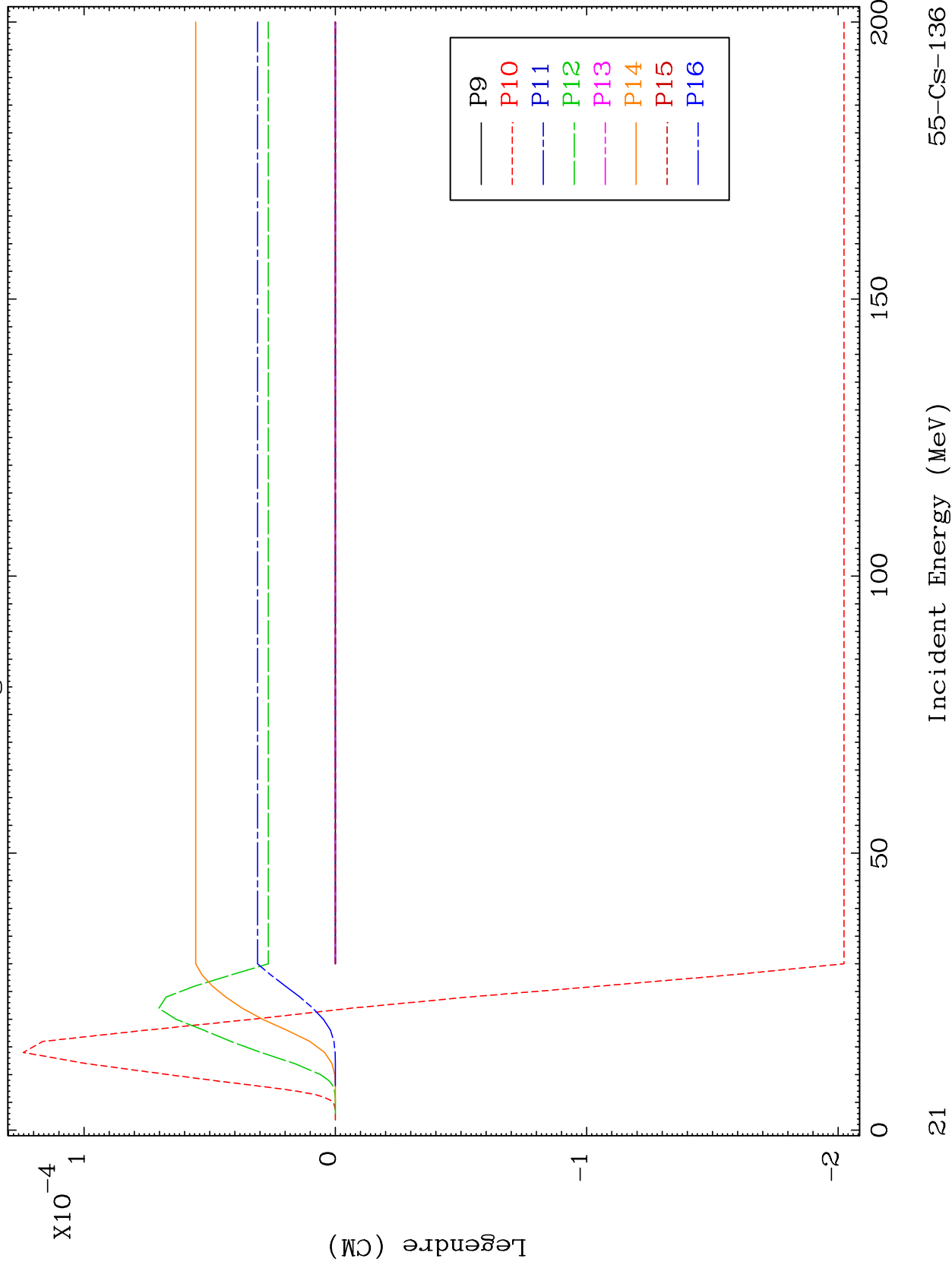
55-Cs-136

20

MAT 5534

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

55-Cs-136



55-Cs-136

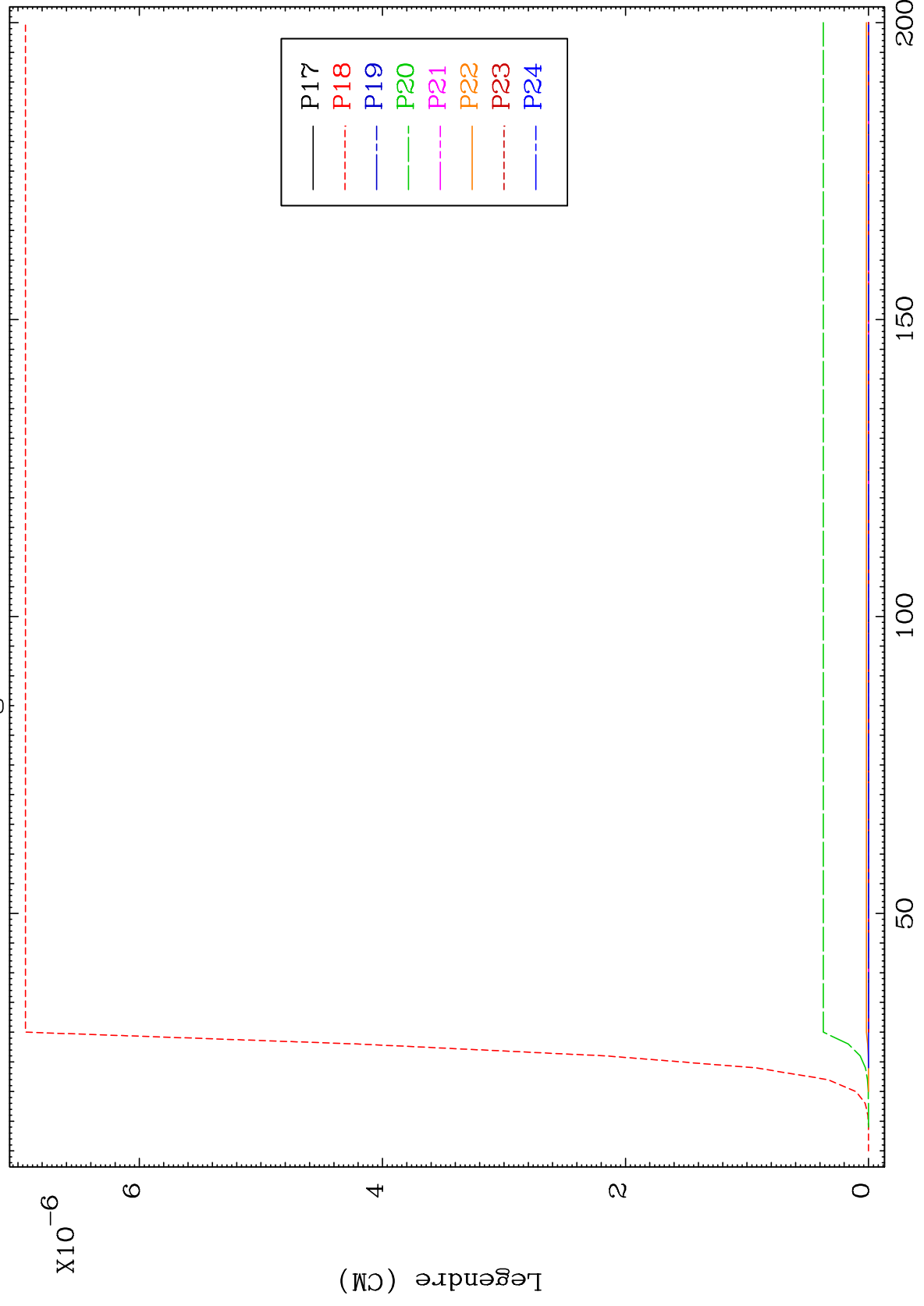
Incident Energy (MeV)

21

MAT 5534

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

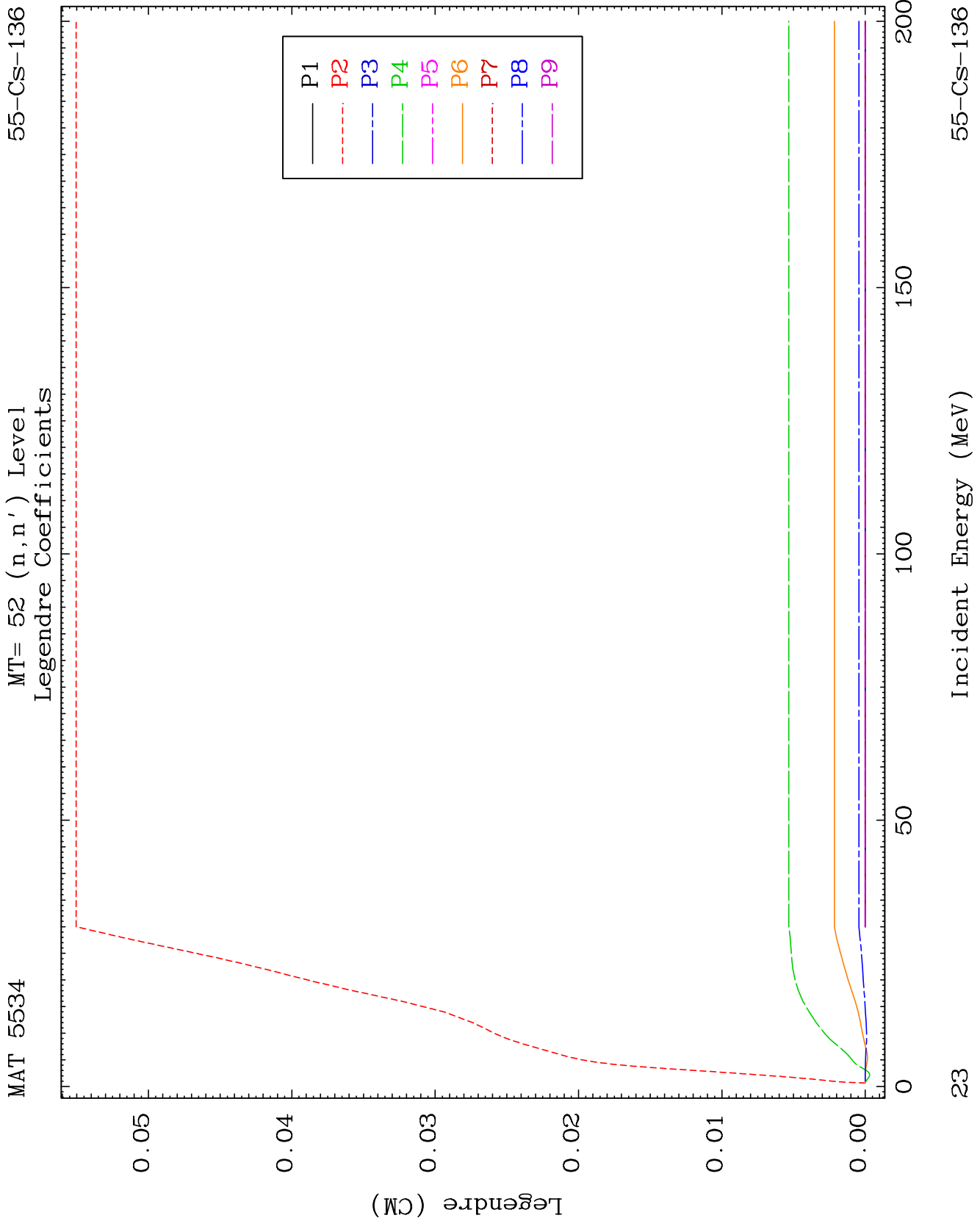
55-Cs-136



55-Cs-136

Incident Energy (MeV)

22

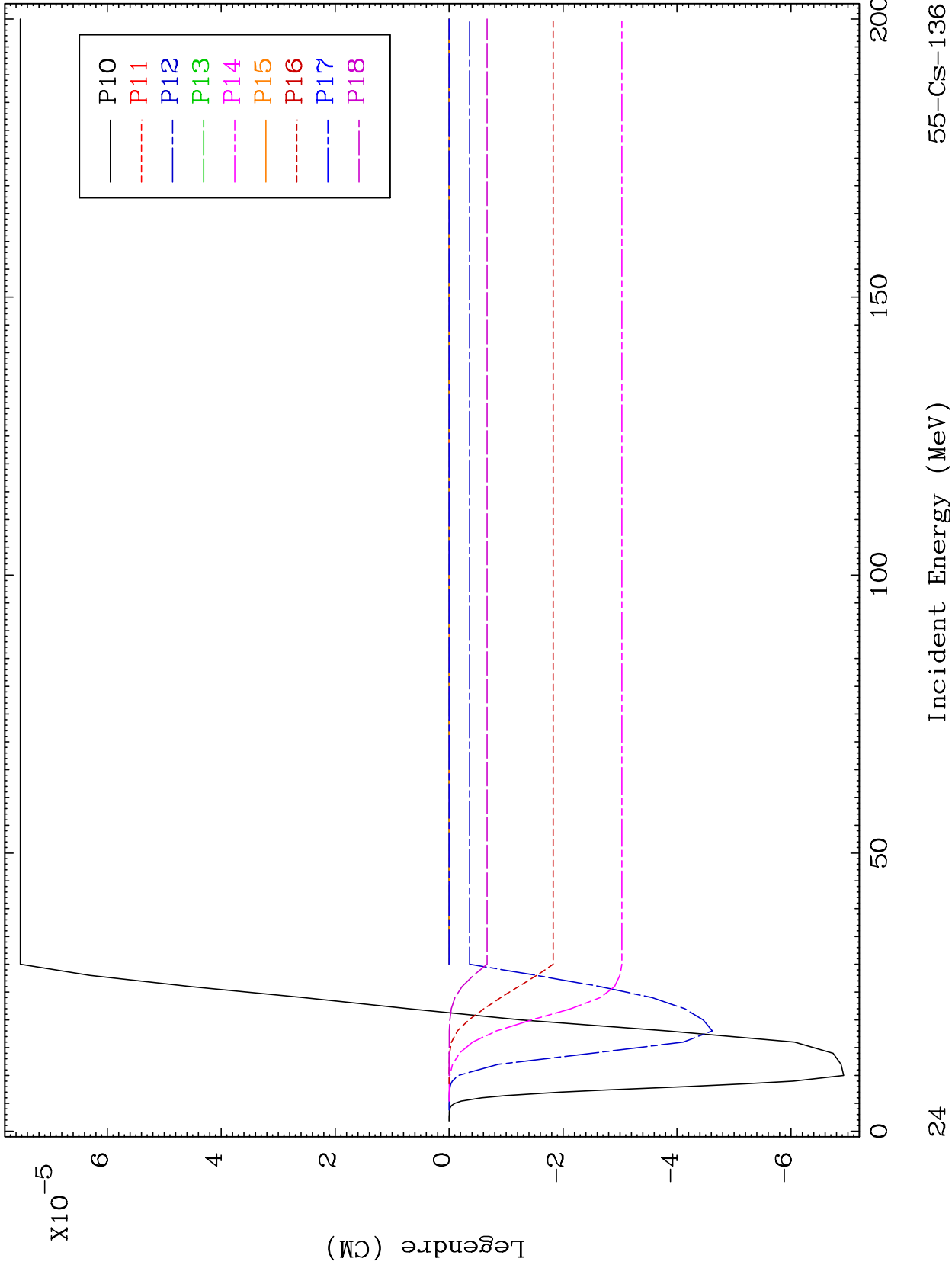




MAT 5534

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

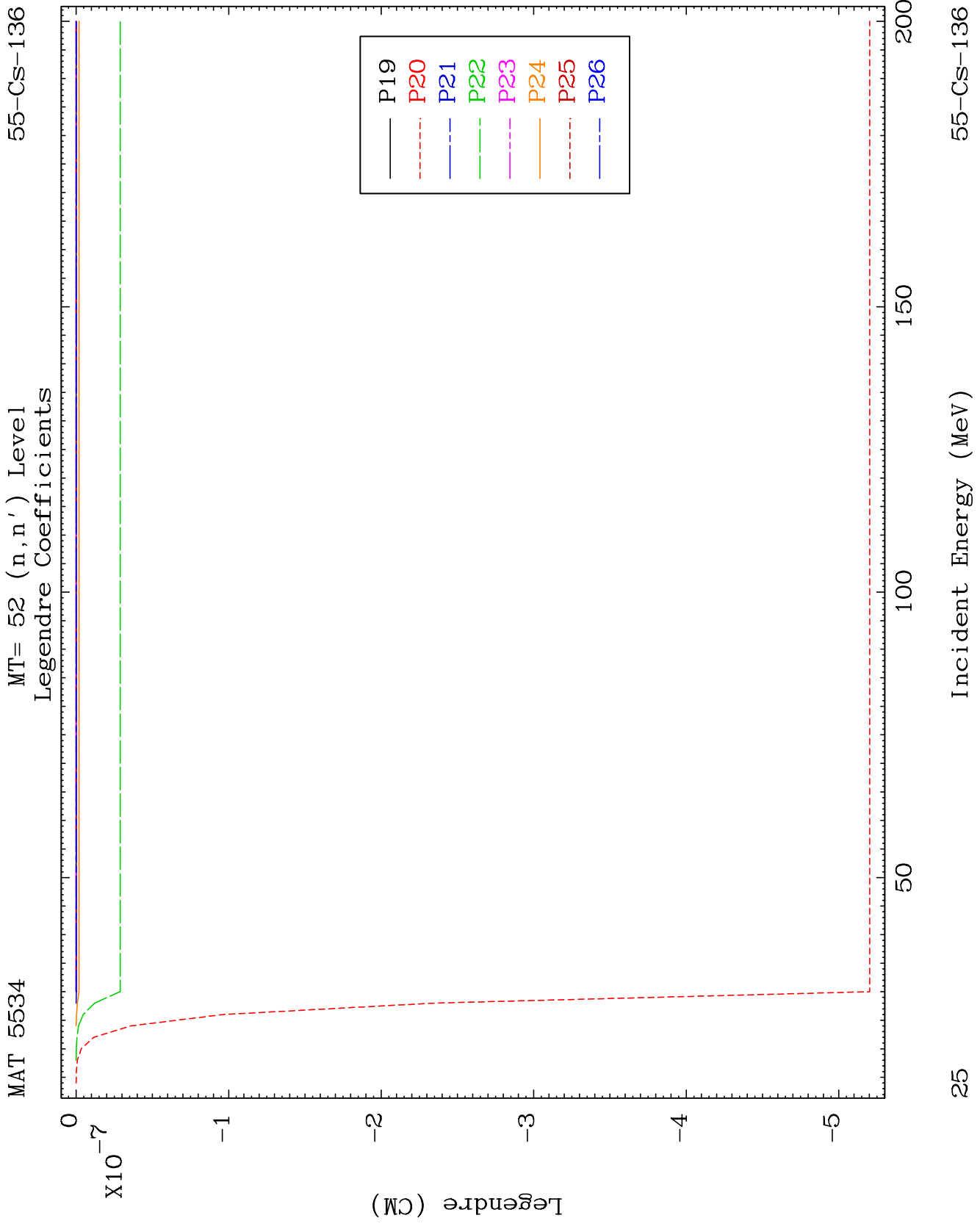
55-Cs-136



55-Cs-136

Incident Energy (MeV)

24

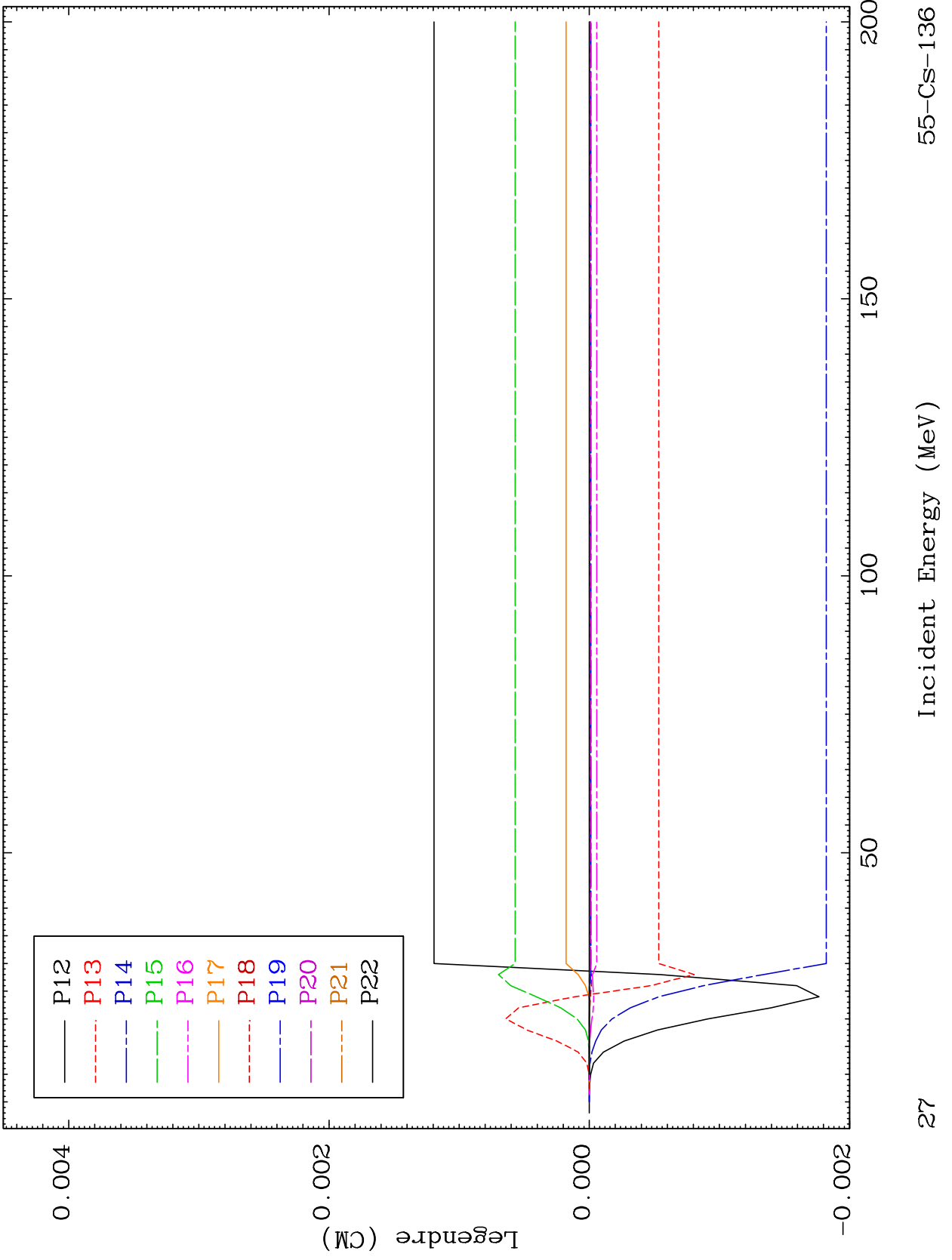




MAT 5534

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

55-Cs-136



27

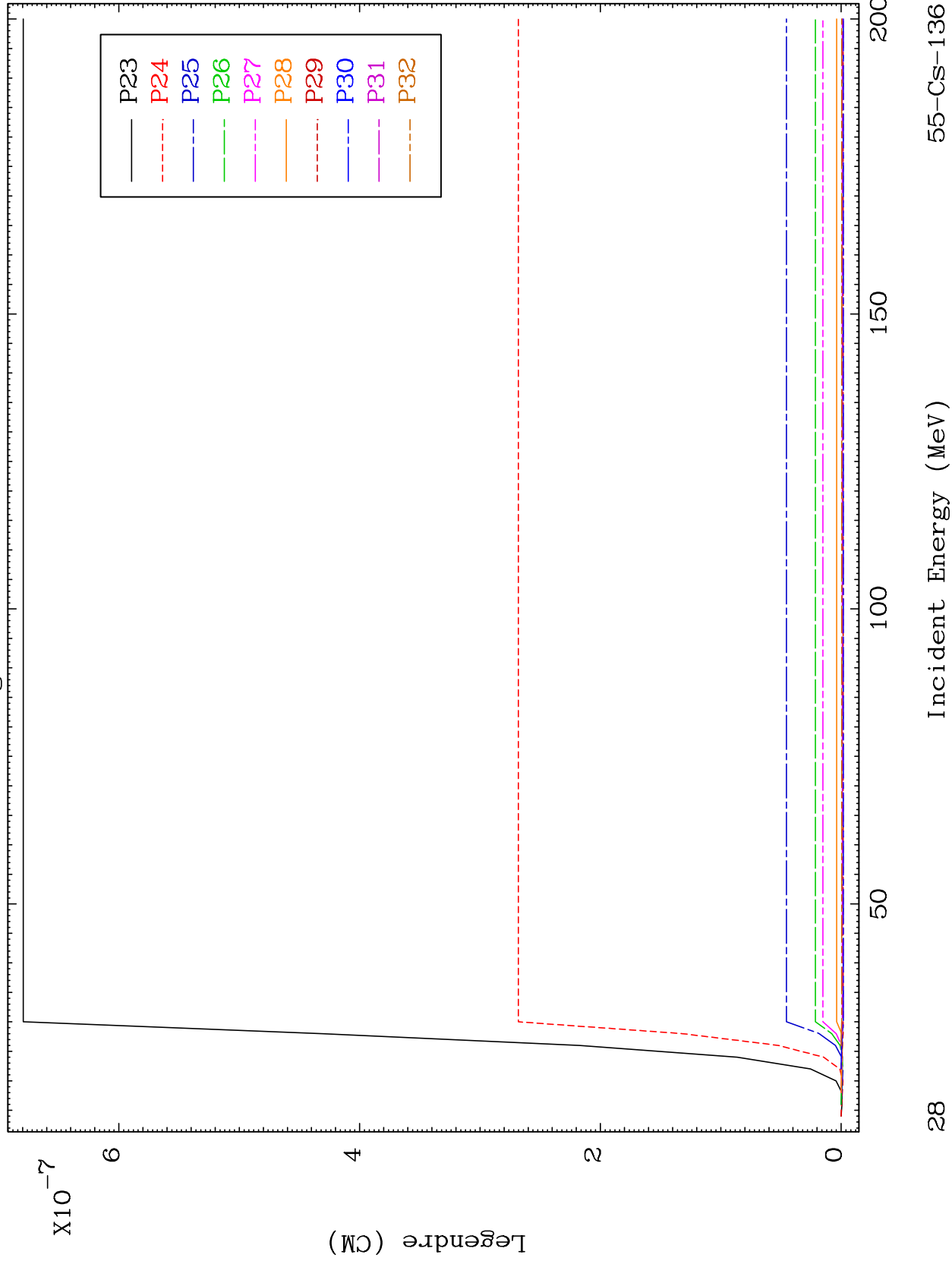
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



28

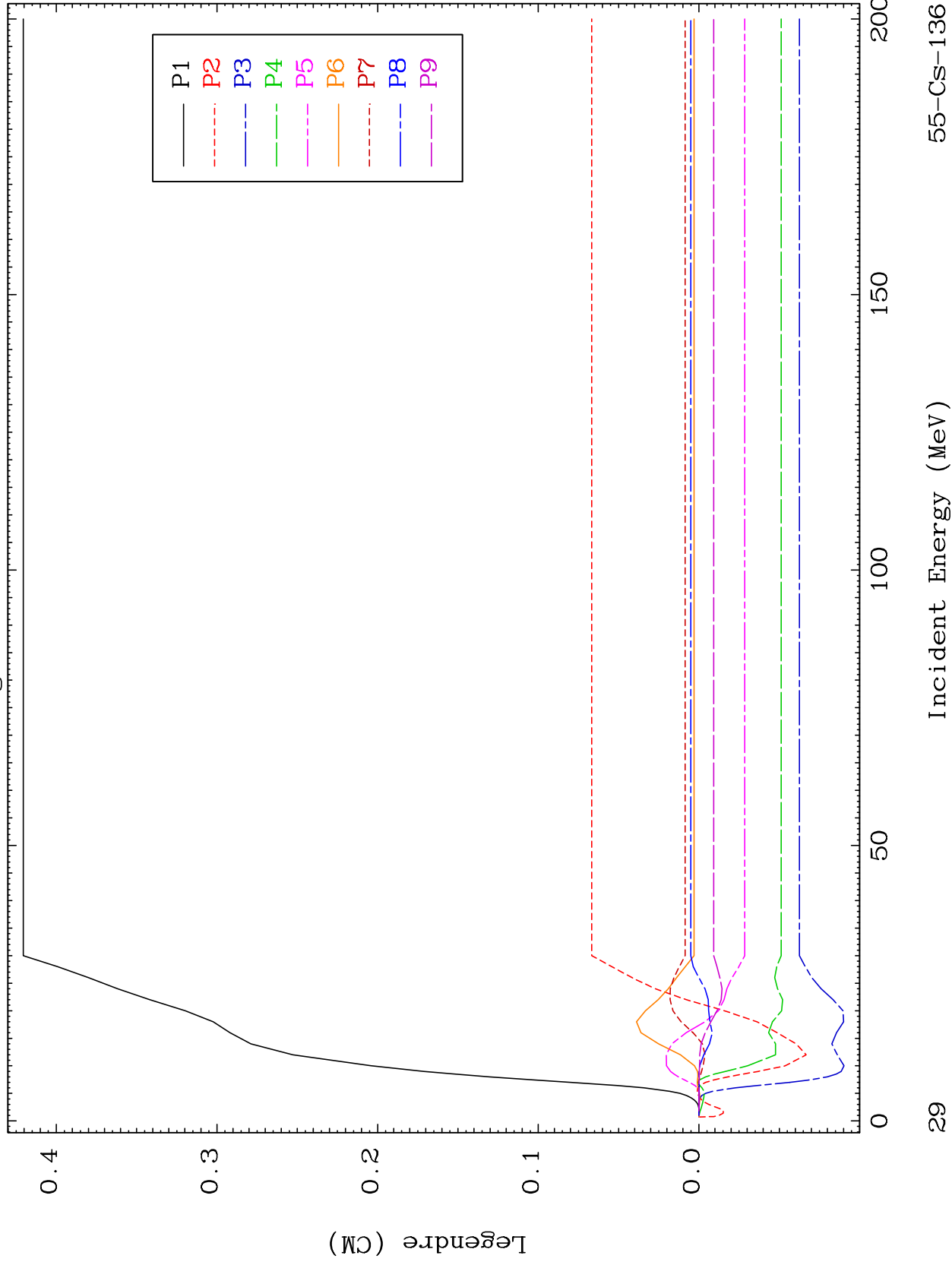
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



55-Cs-136

Incident Energy (MeV)

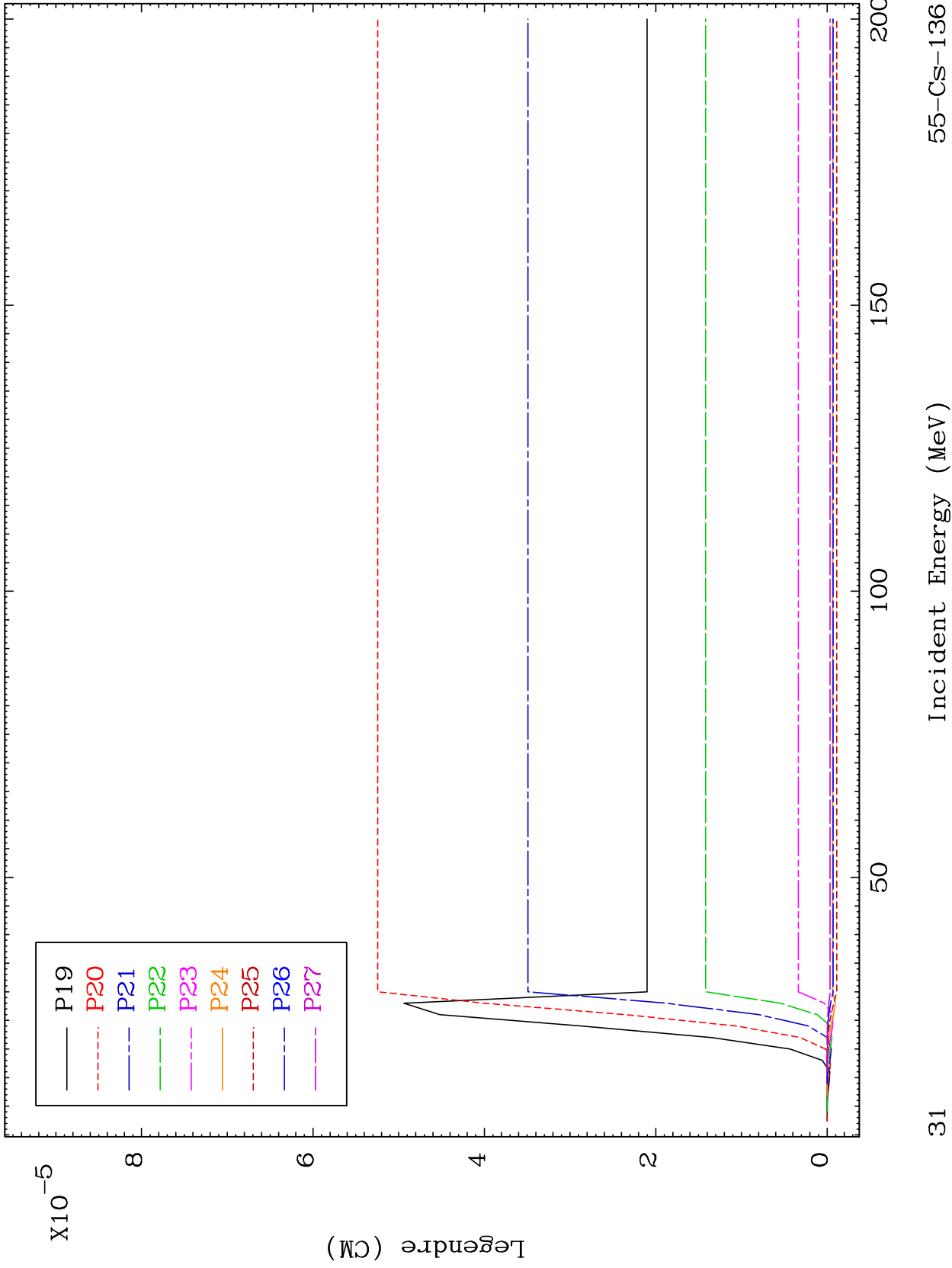
29



MAT 5534

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

55-Cs-136



31

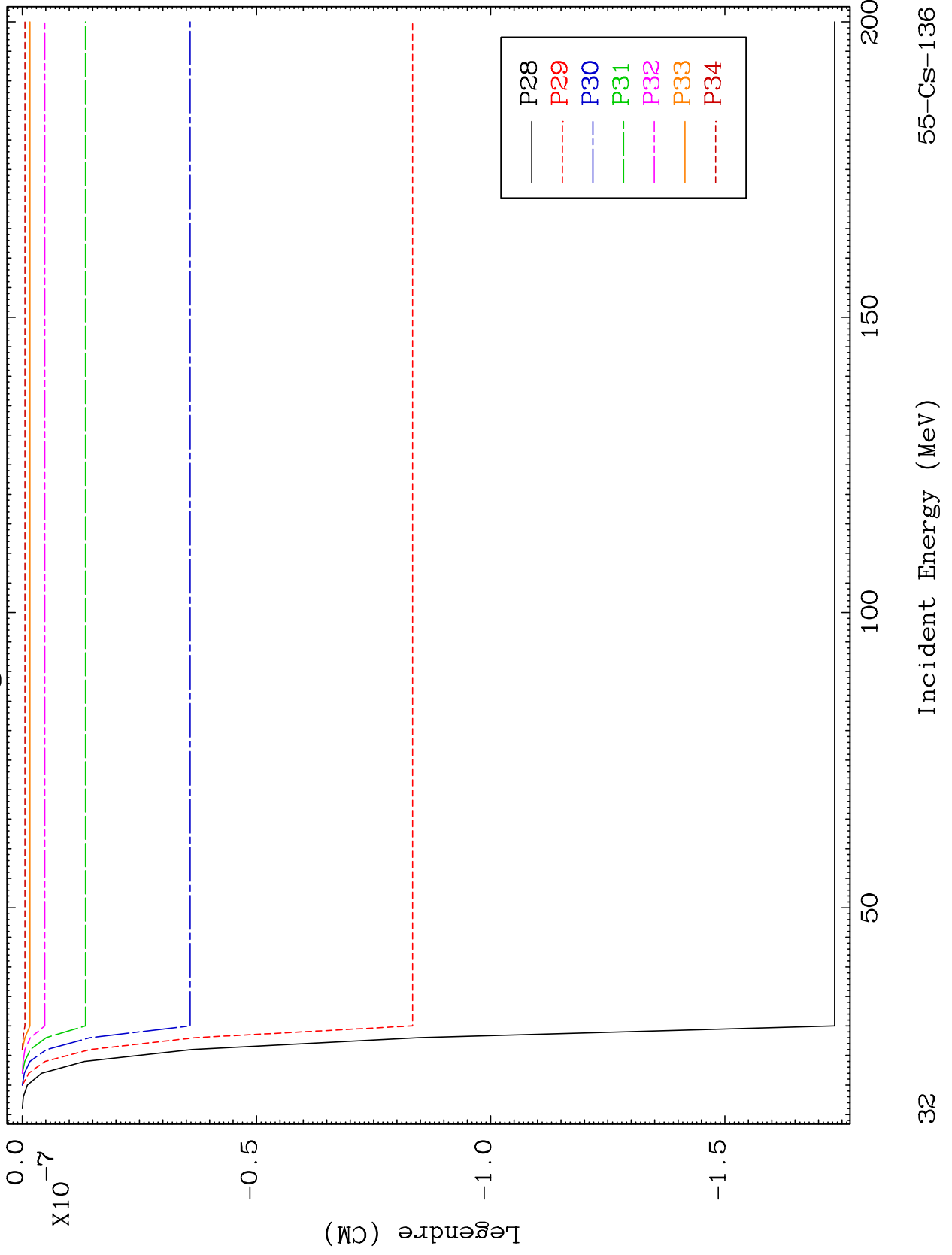
200



MAT 5534

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

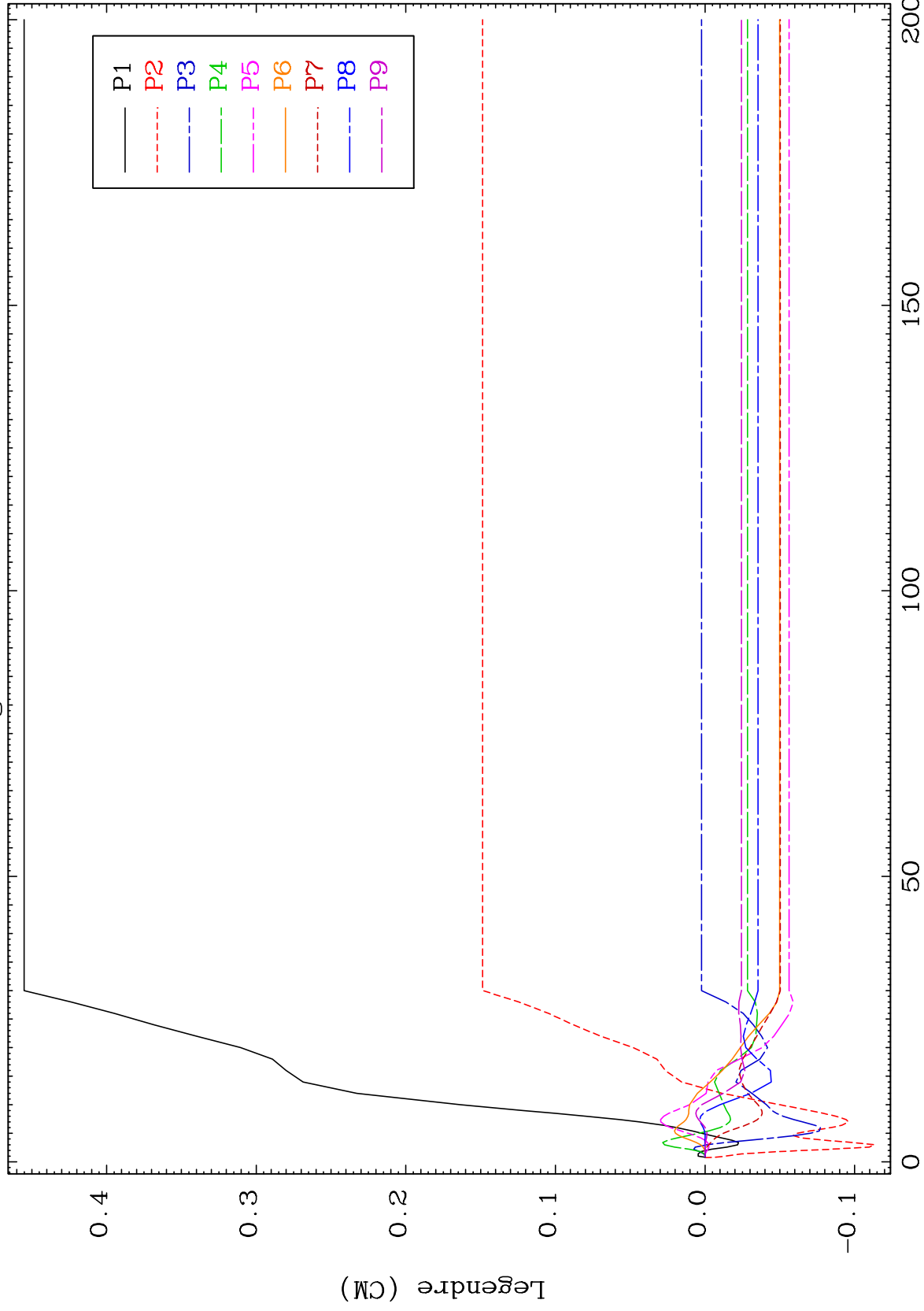
55-Cs-136



MAT 5534

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

55-Cs-136



33

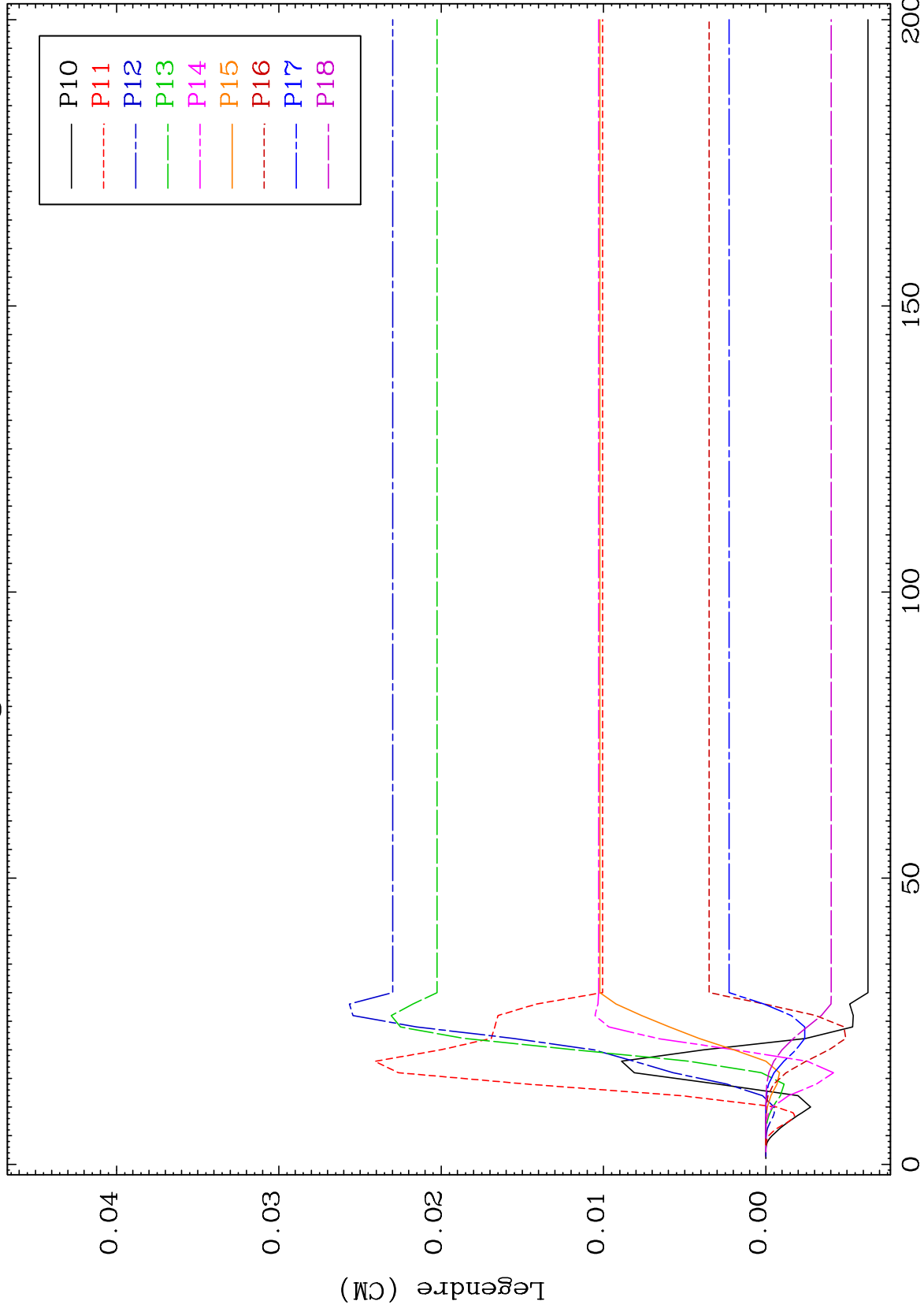
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



34

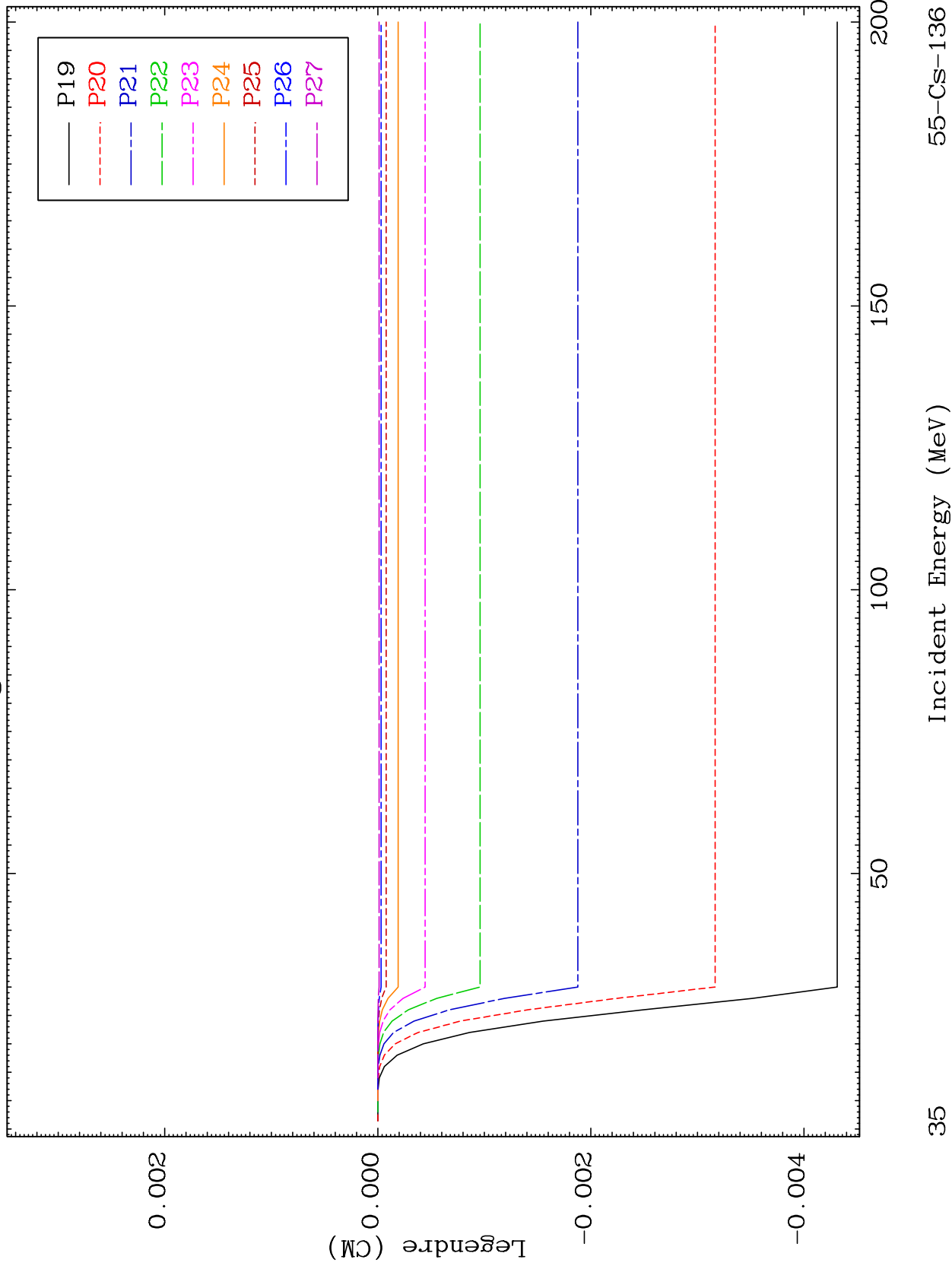
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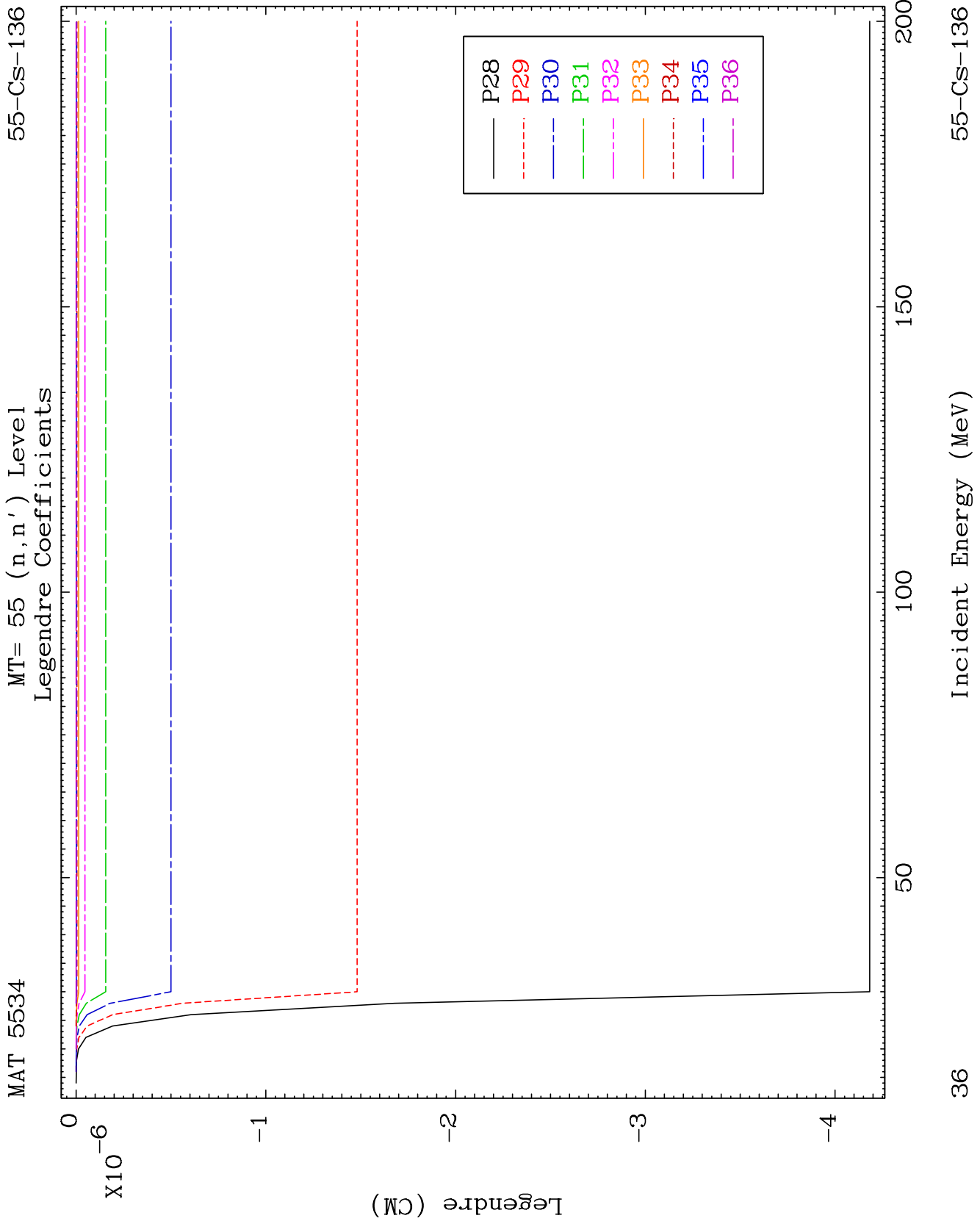
55-Cs-136

MAT 5534

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

55-Cs-136

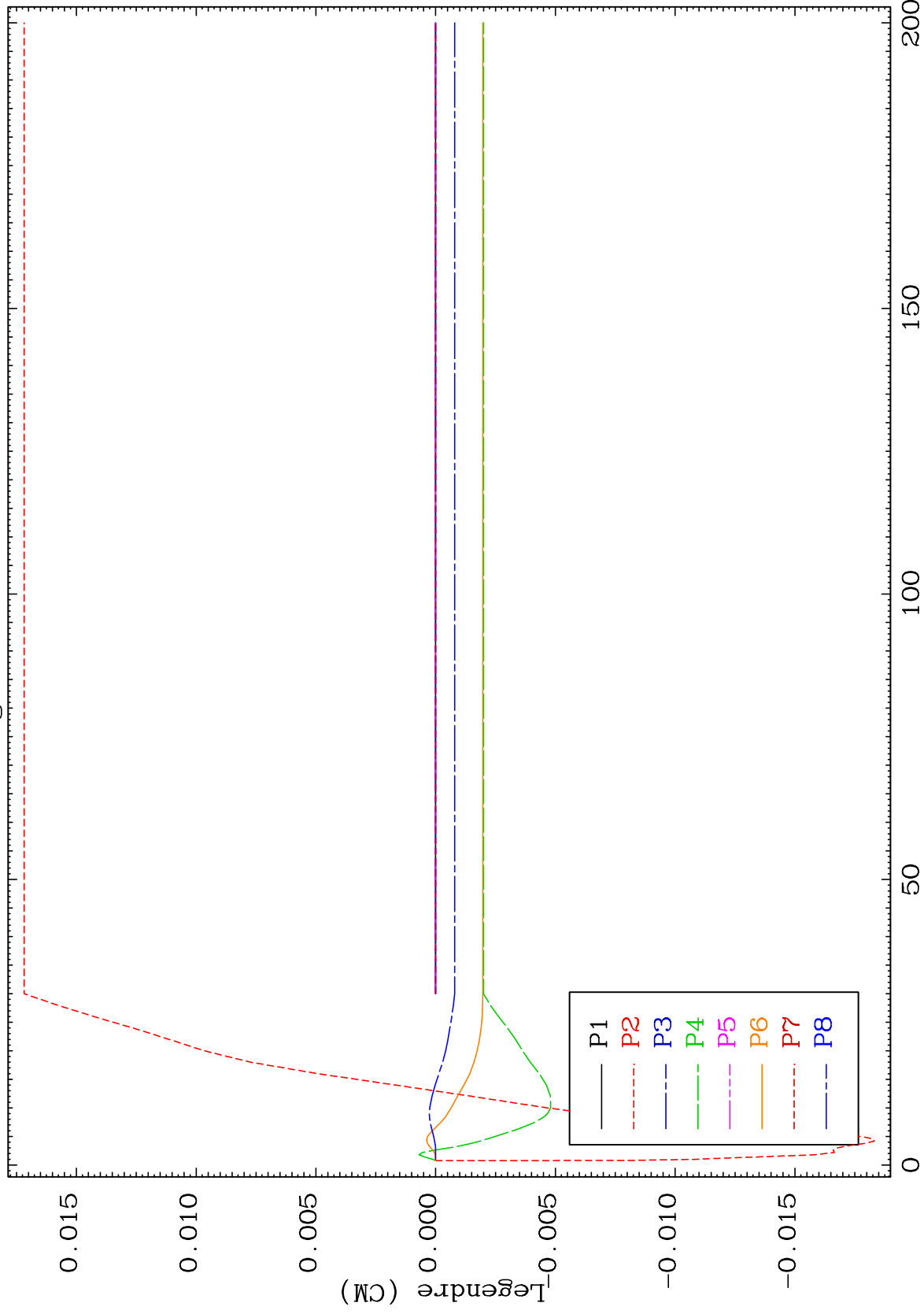




MAT 5534

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

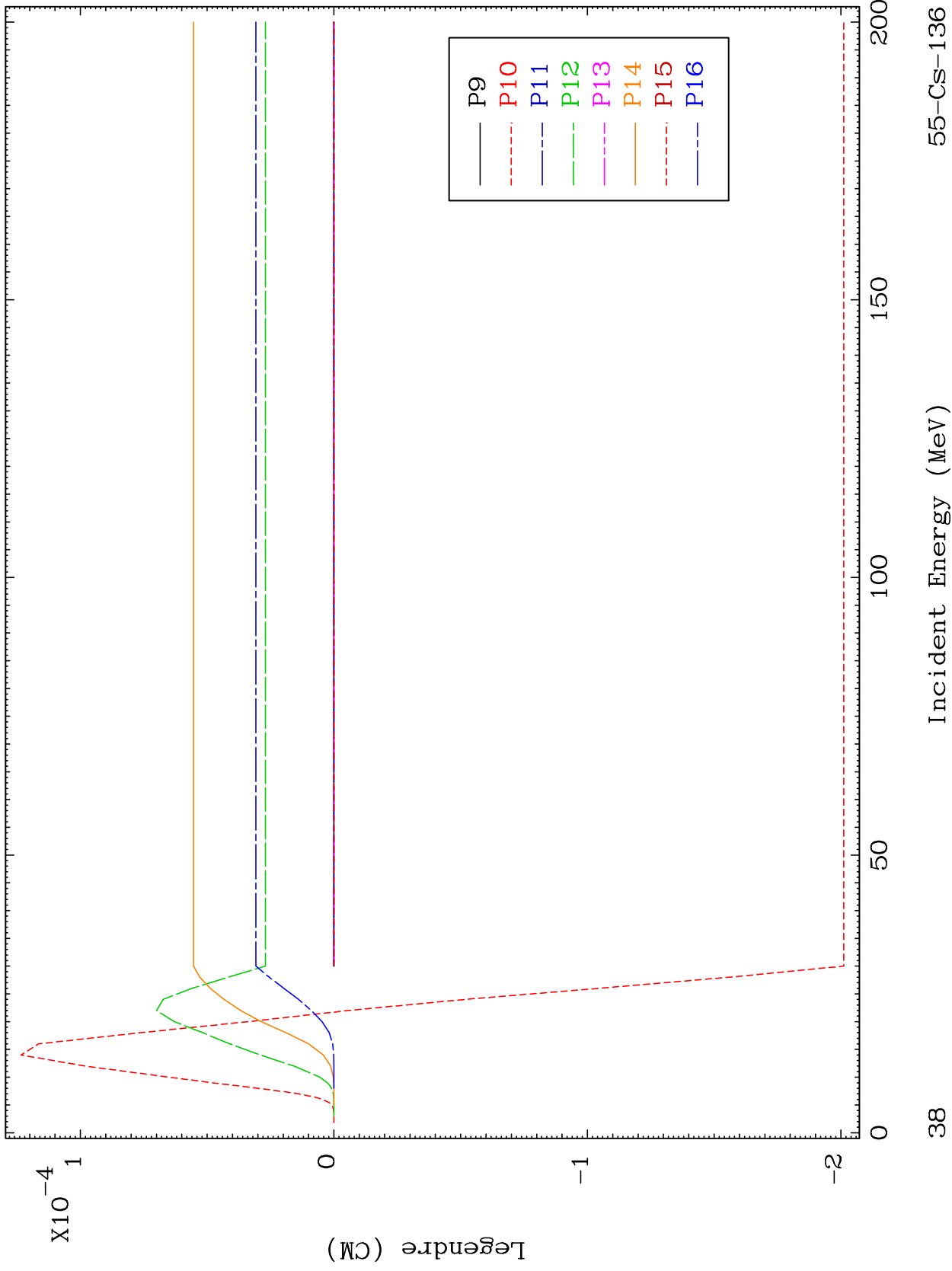
55-Cs-136



MAT 5534

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

55-Cs-136



55-Cs-136

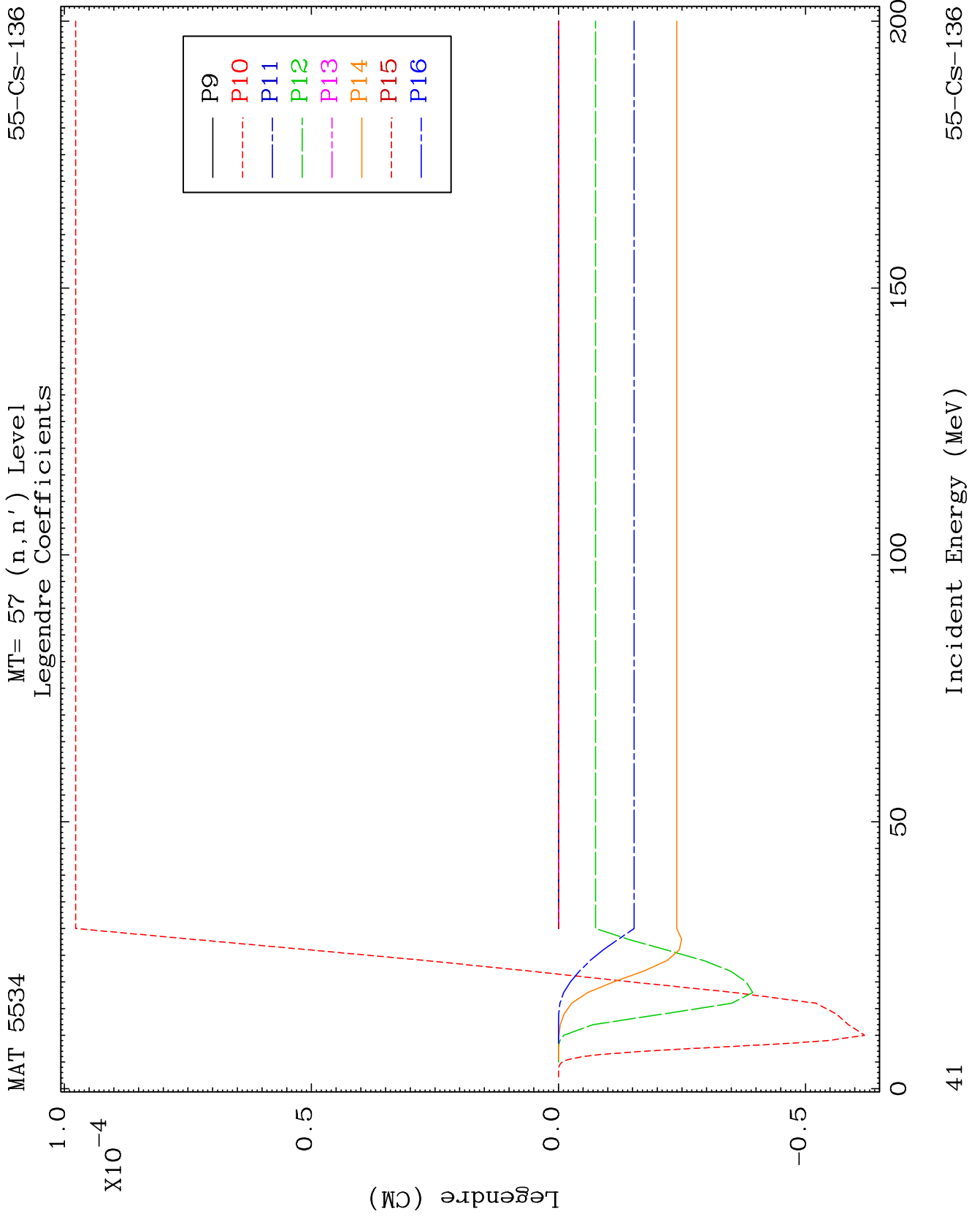
Incident Energy (MeV)

38





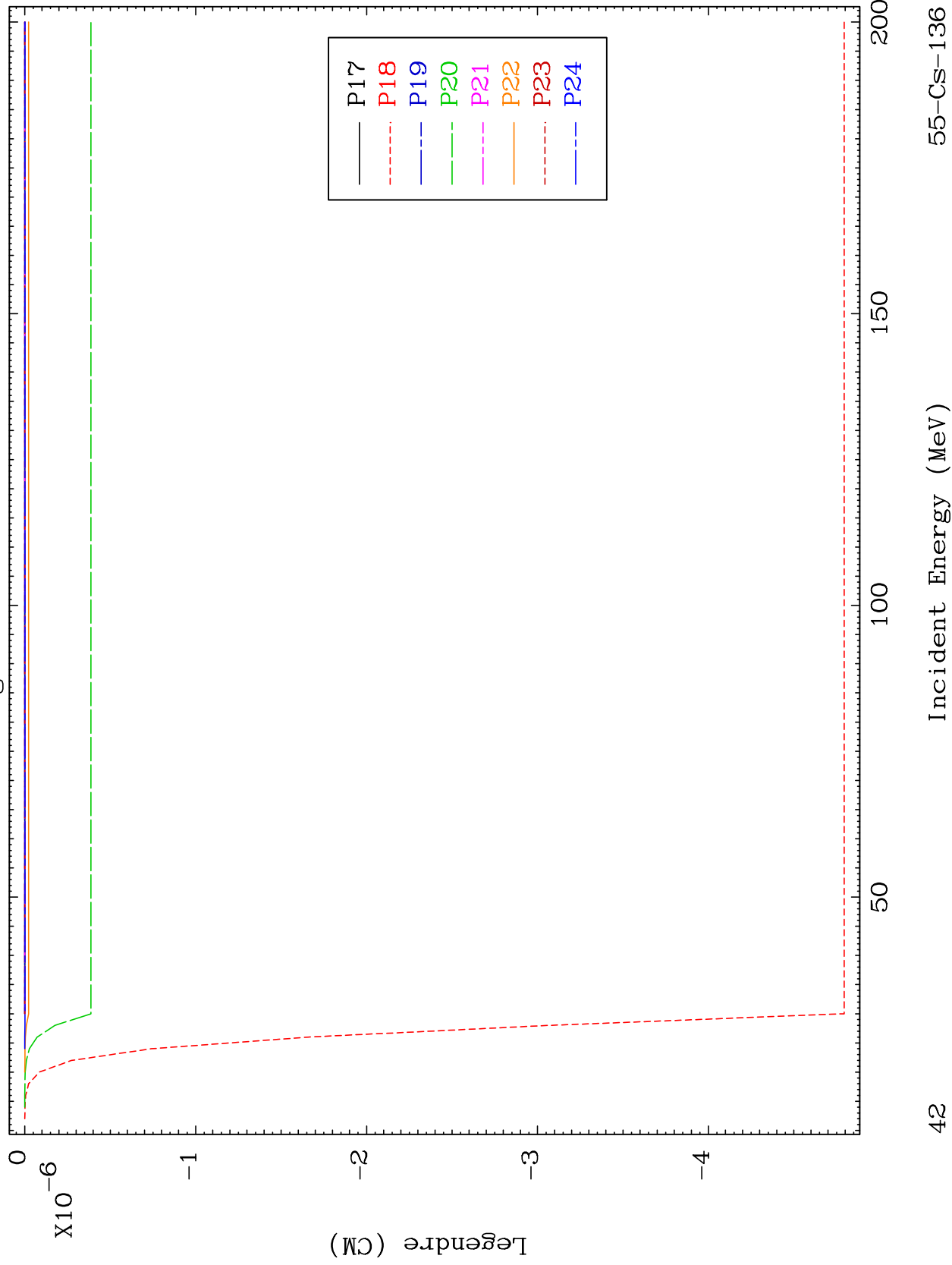




MAT 5534

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

55-Cs-136



42

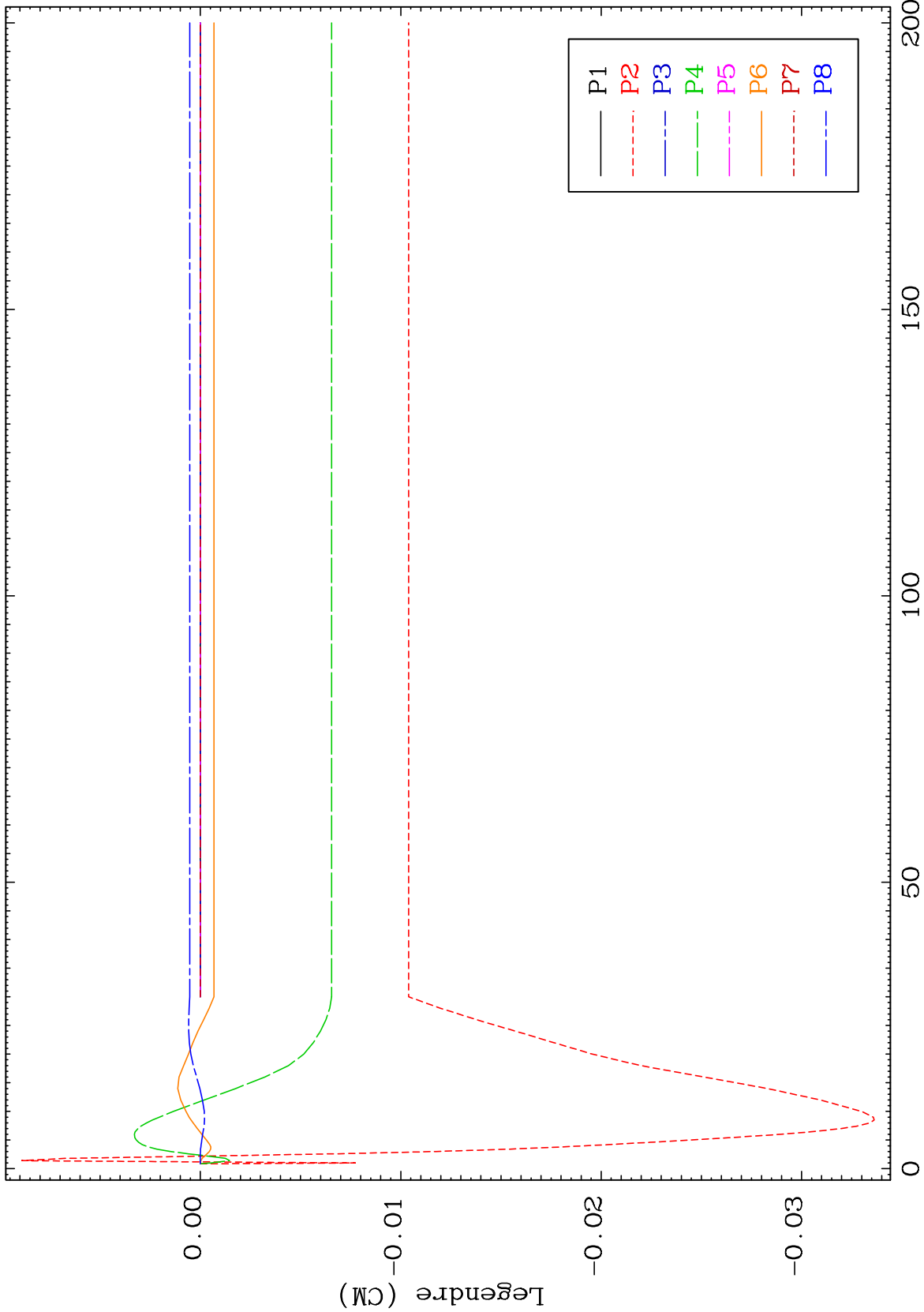
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



43

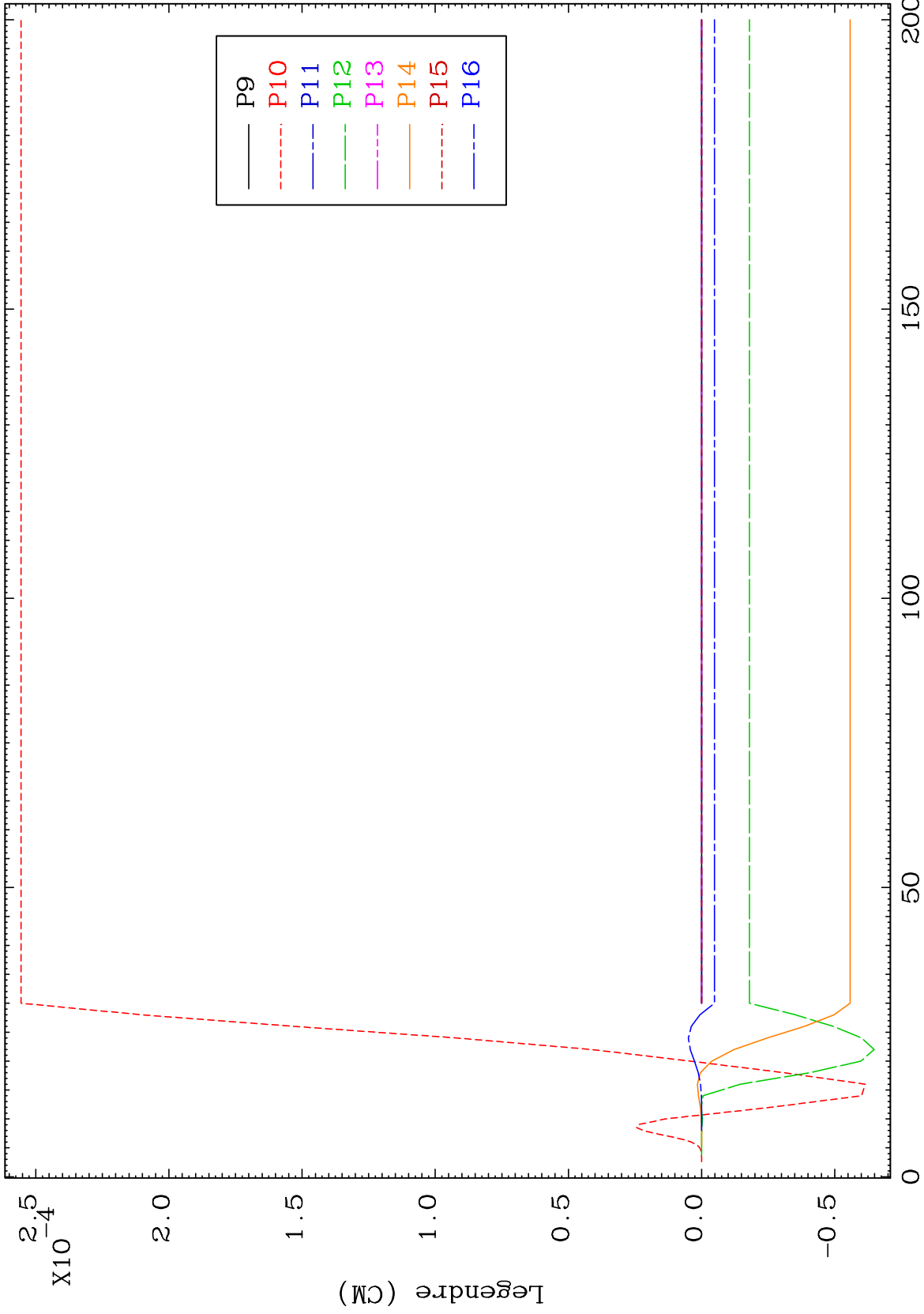
55-Cs-136

55-Cs-136

MAT 5534

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

55-Cs-136



44

Incident Energy (MeV)

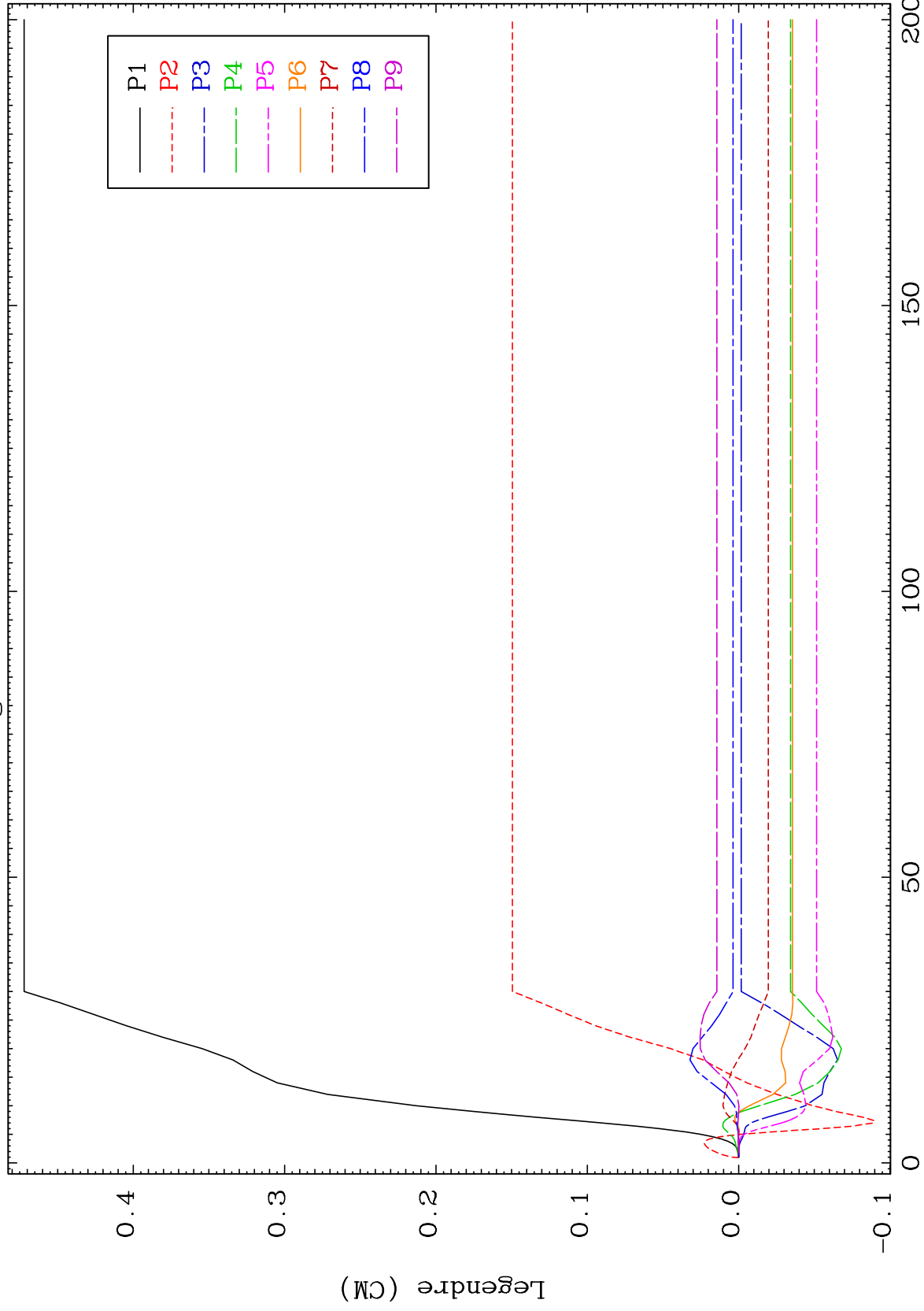
55-Cs-136



MAT 5534

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

55-Cs-136



46

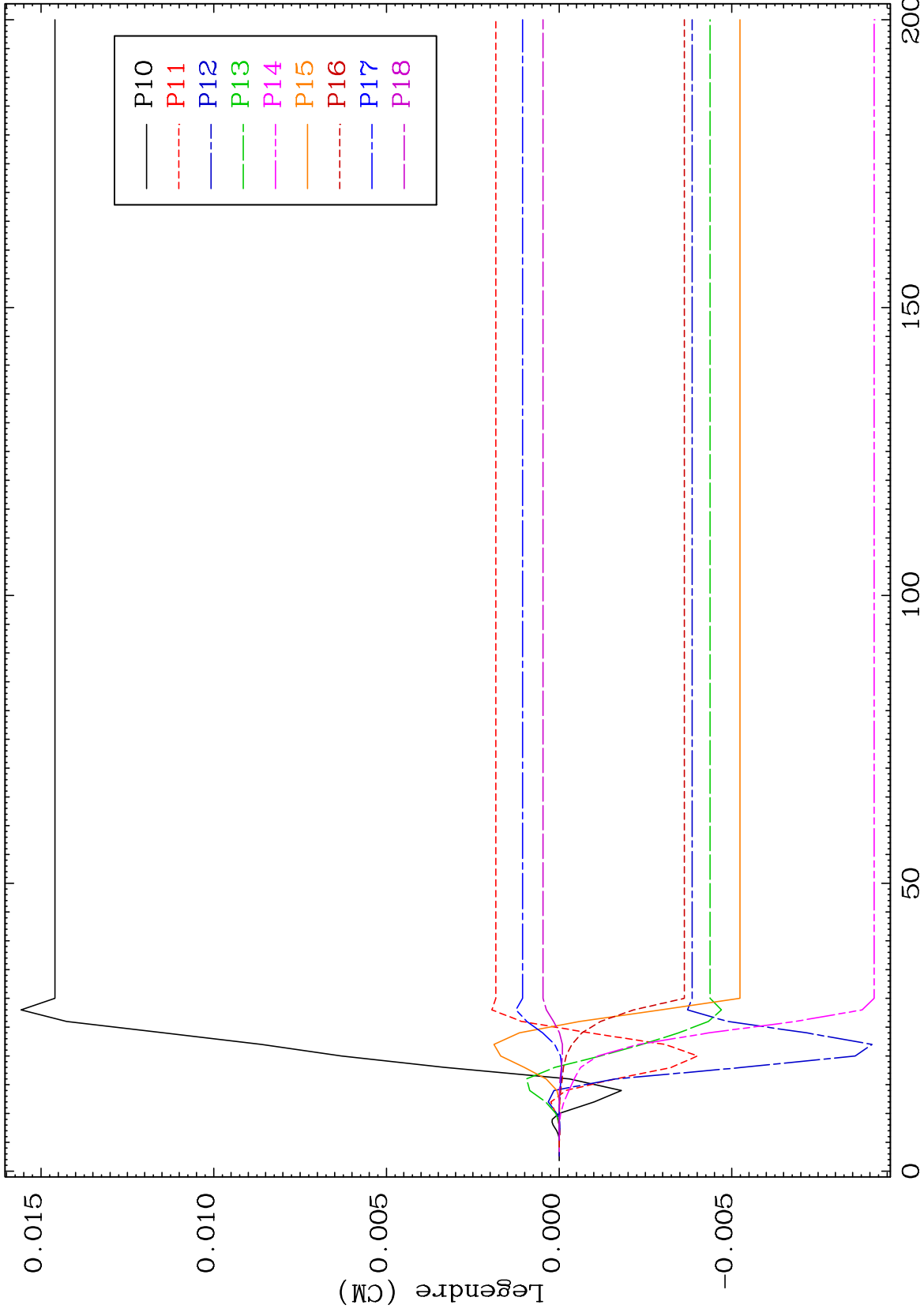
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



47

Incident Energy (MeV)

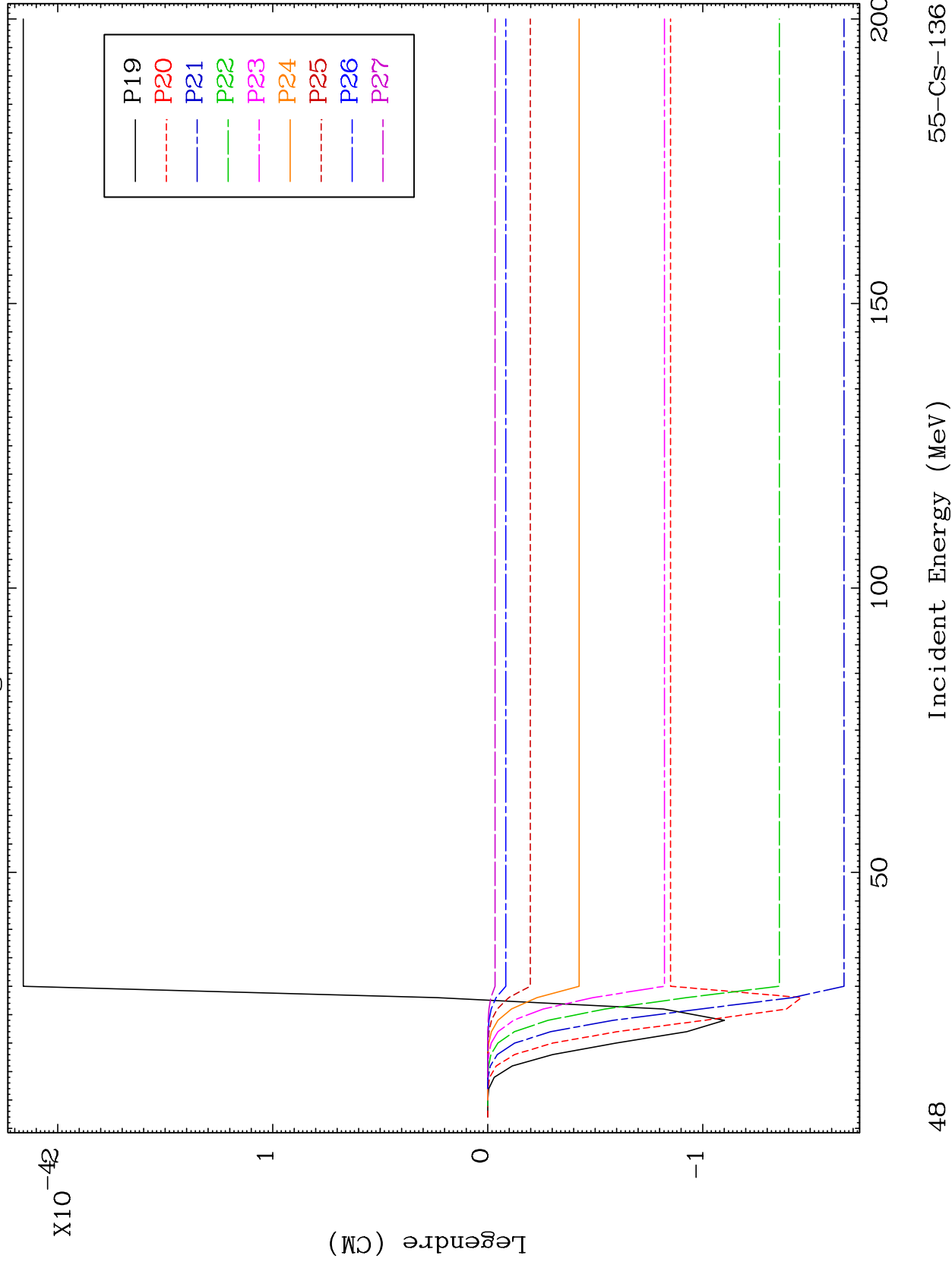
55-Cs-136



MAT 5534

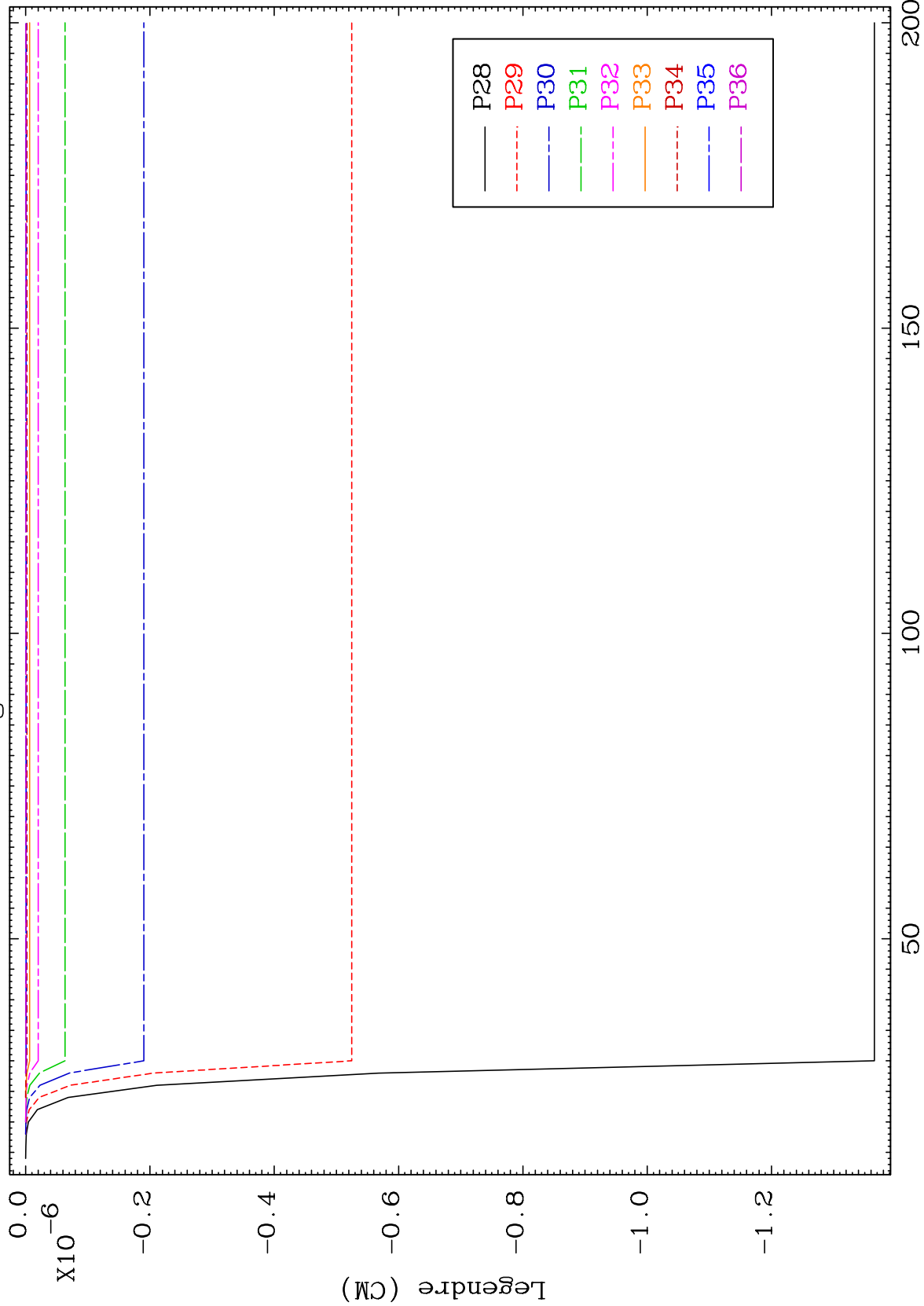
MT= 59 (n,n') Level  
Legendre Coefficients

55-Cs-136



48

55-Cs-136

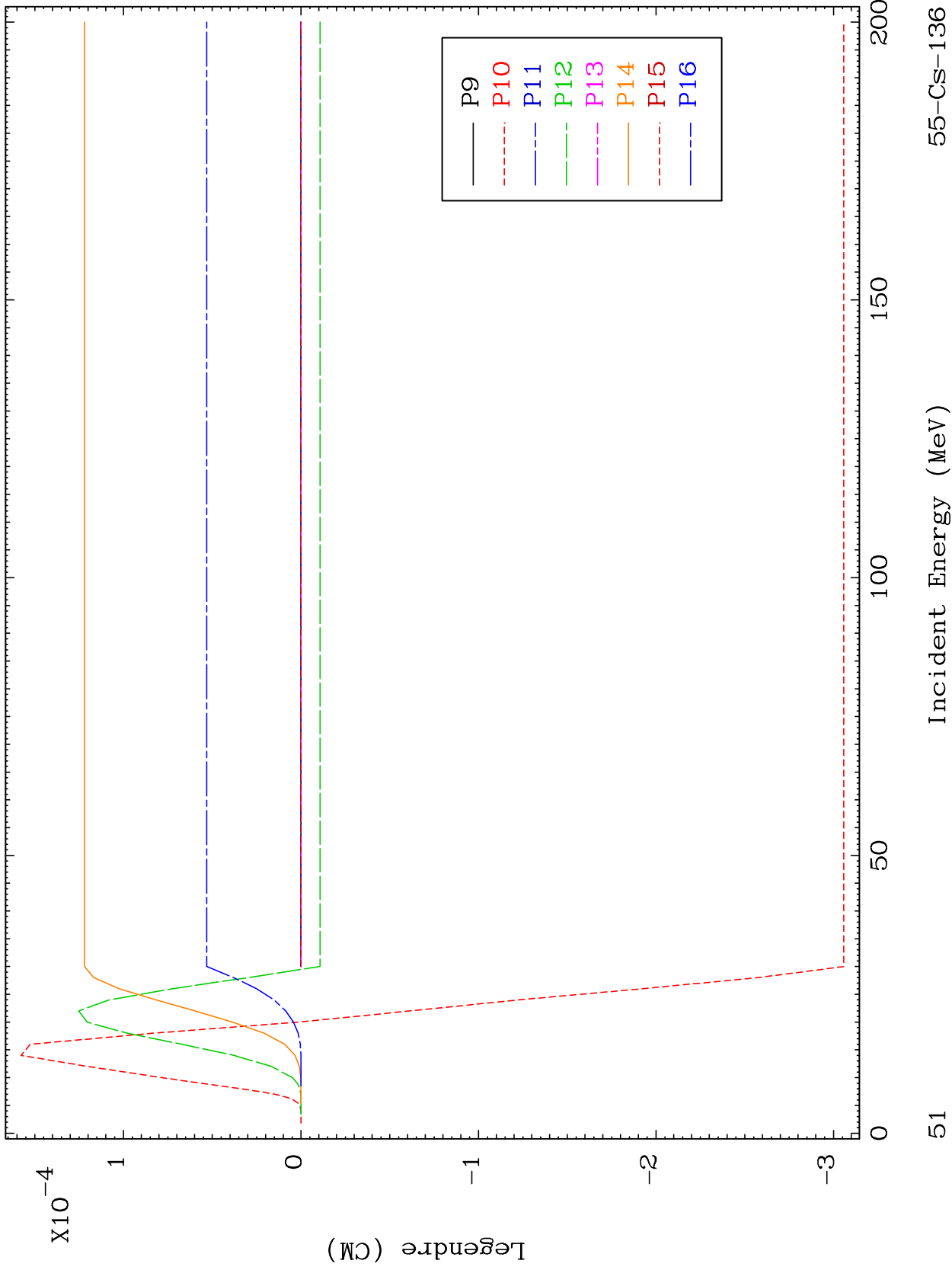




MAT 5534

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

55-Cs-136

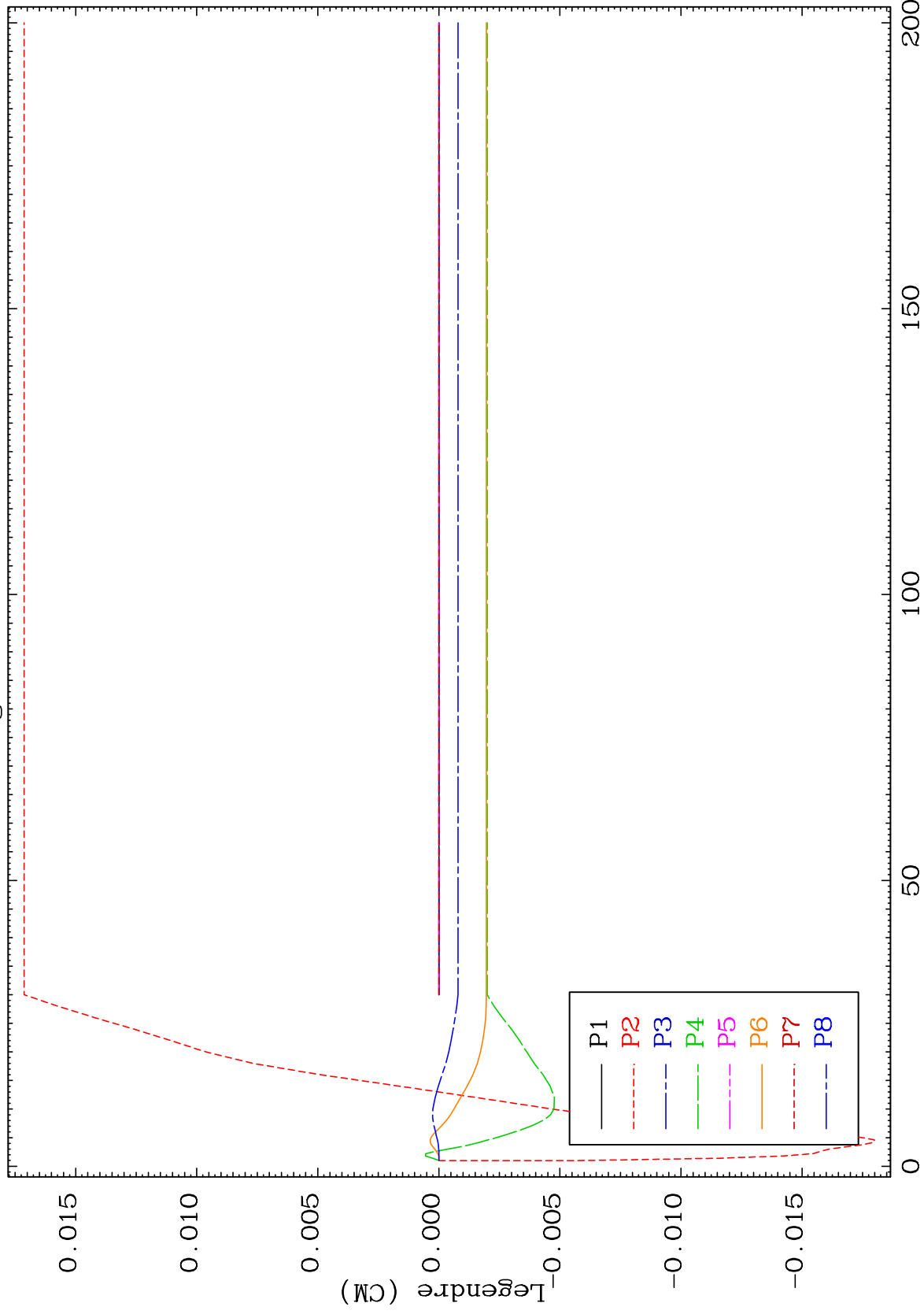




MAT 5534

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

55-Cs-136



53

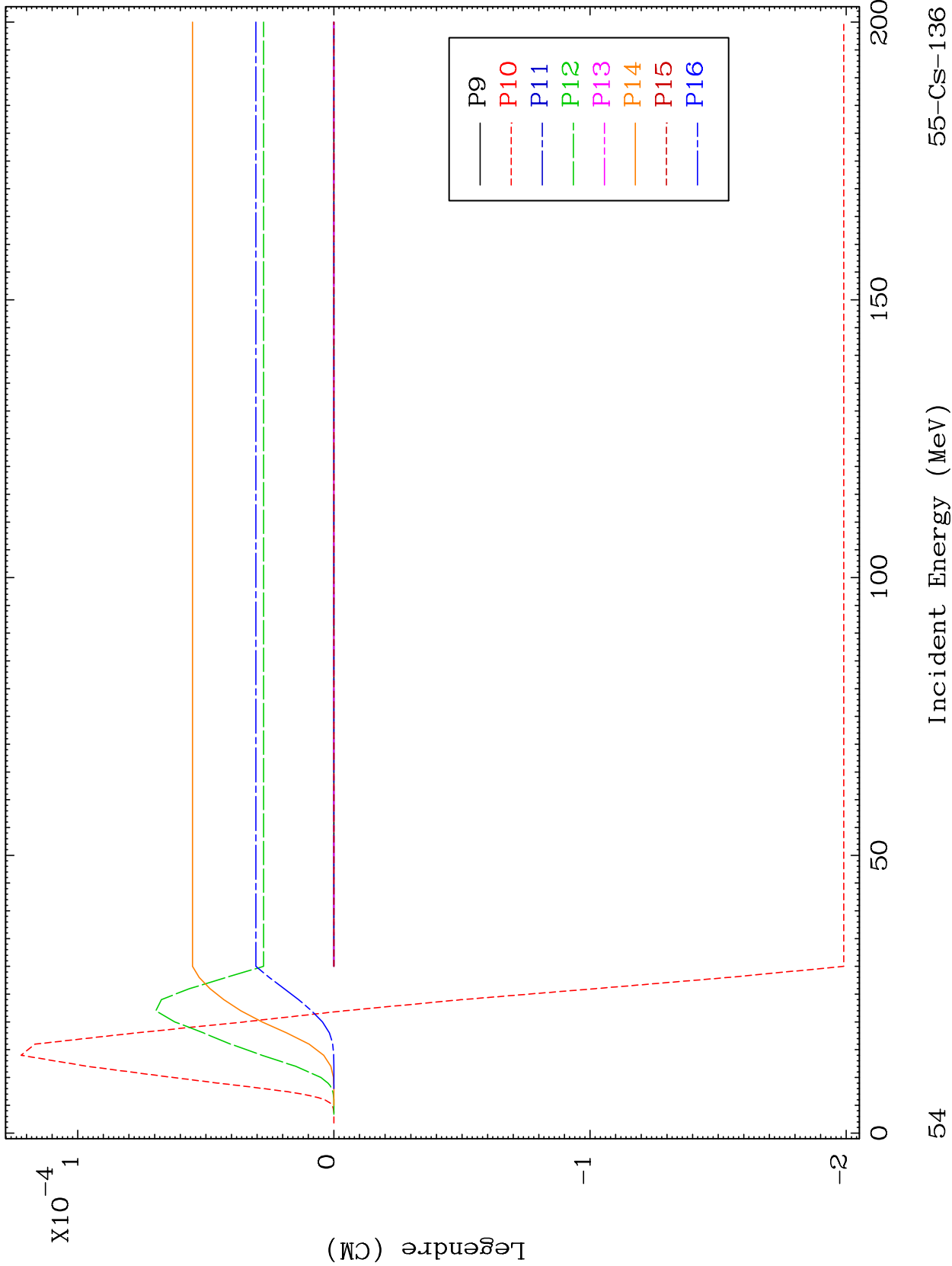
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

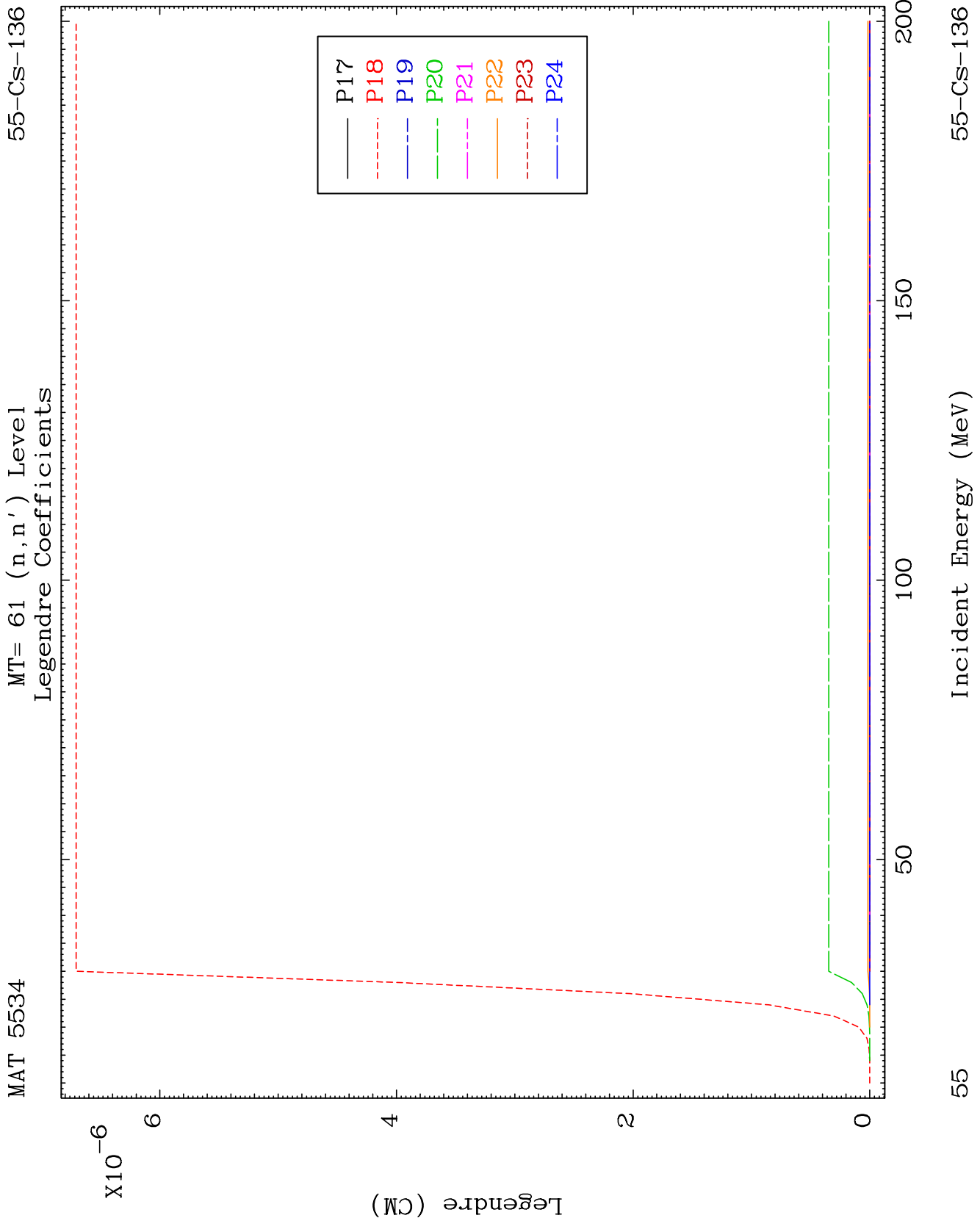
55-Cs-136



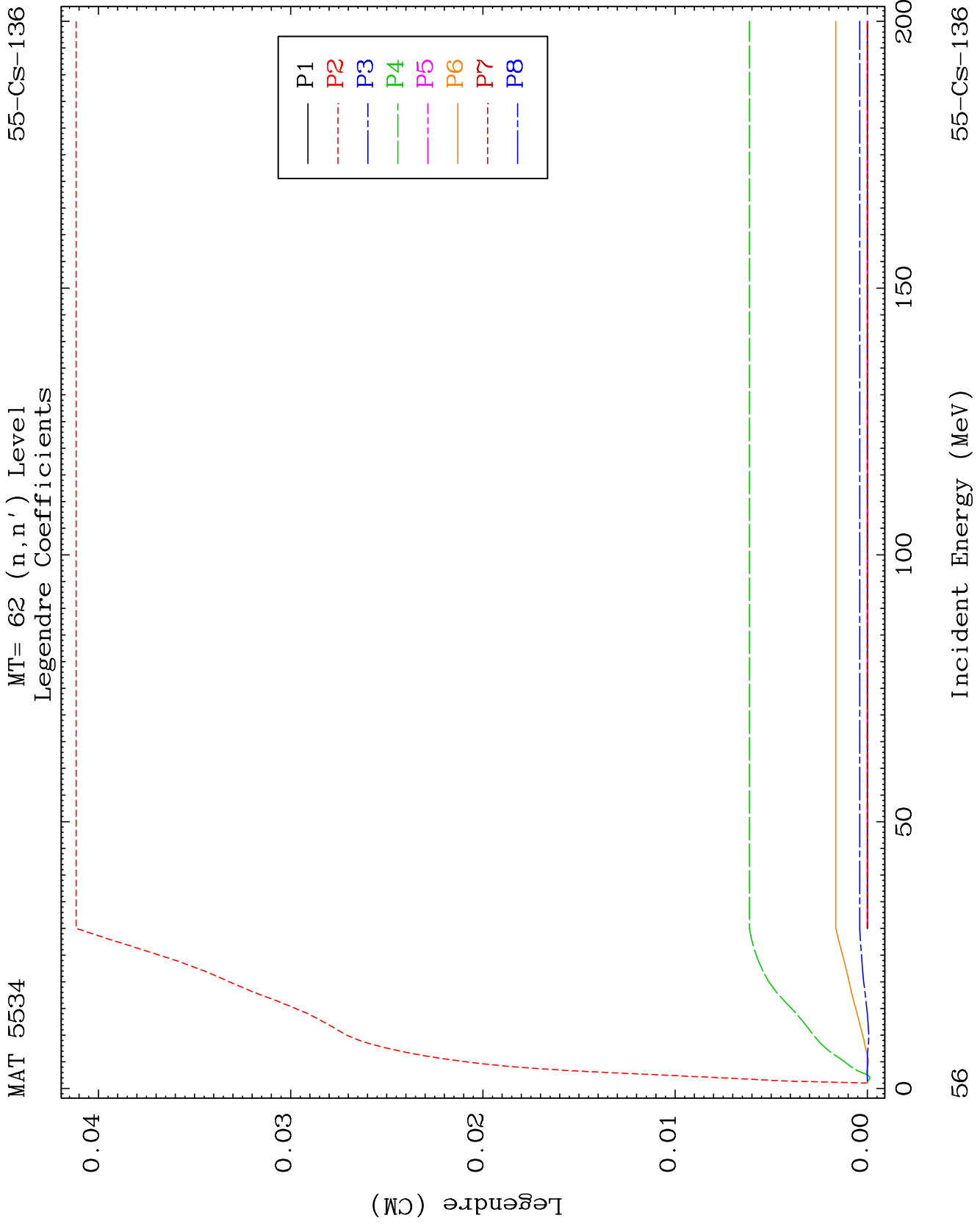
55-Cs-136

Incident Energy (MeV)

54





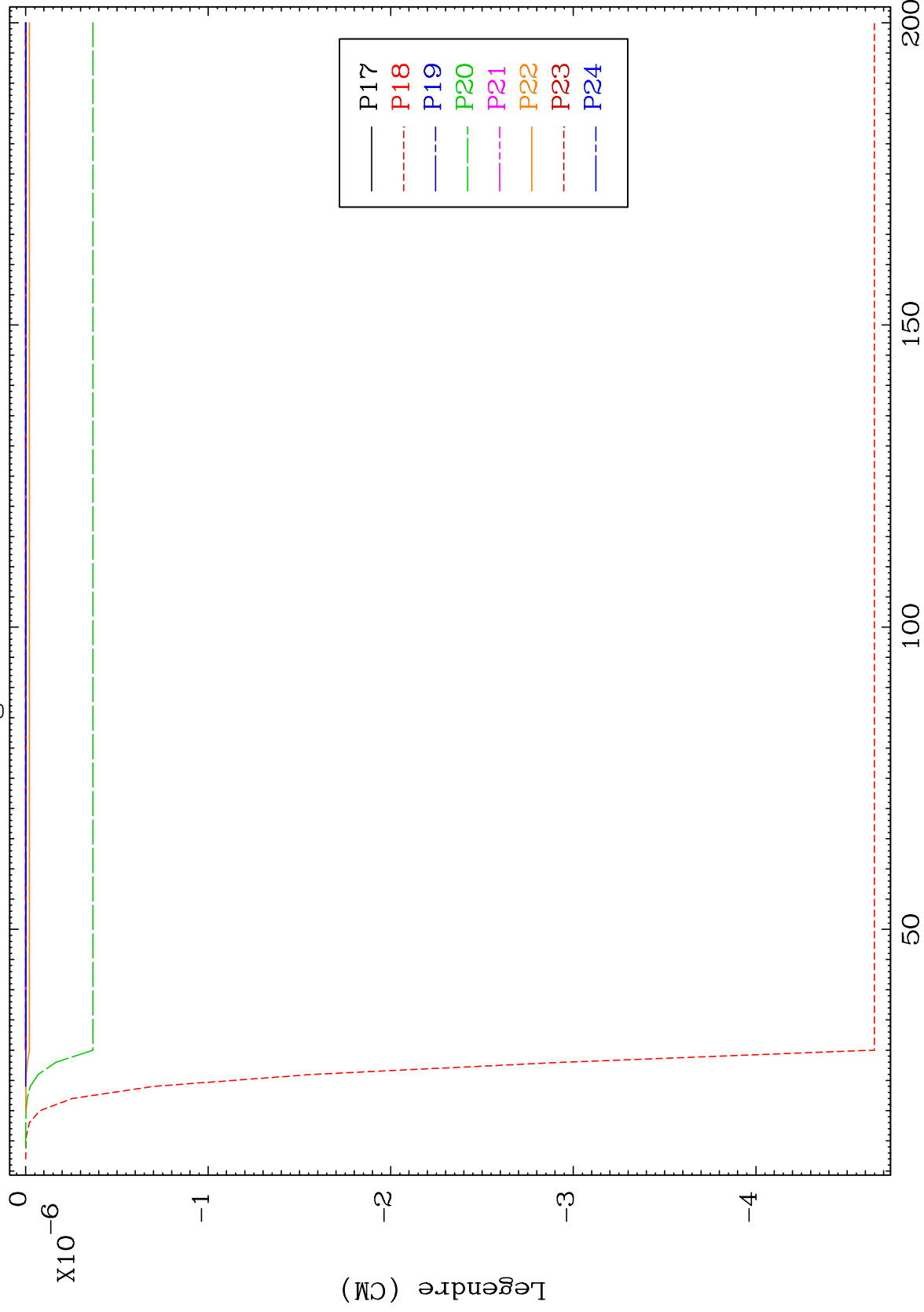




MAT 5534

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

55-Cs-136



58

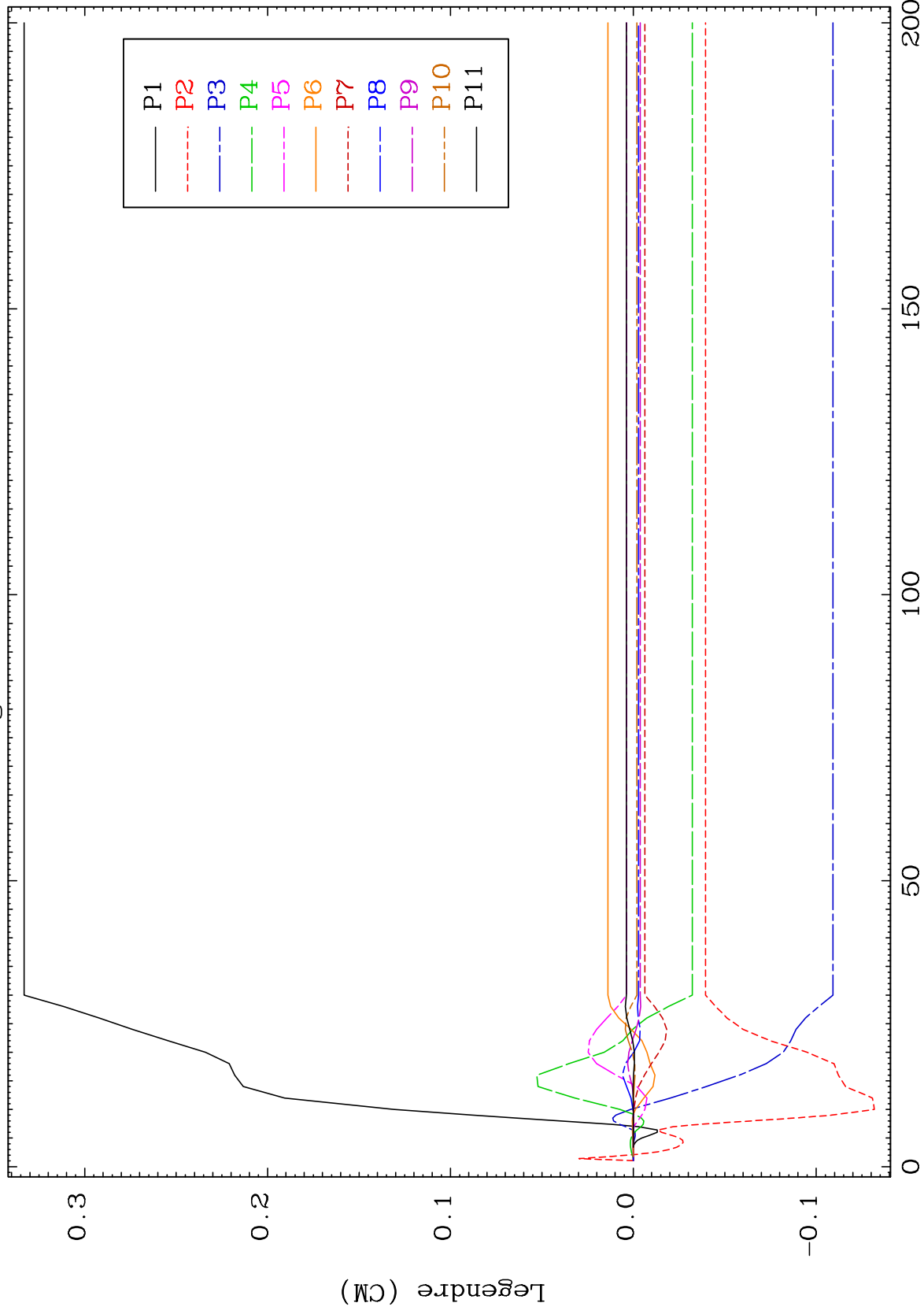
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



59

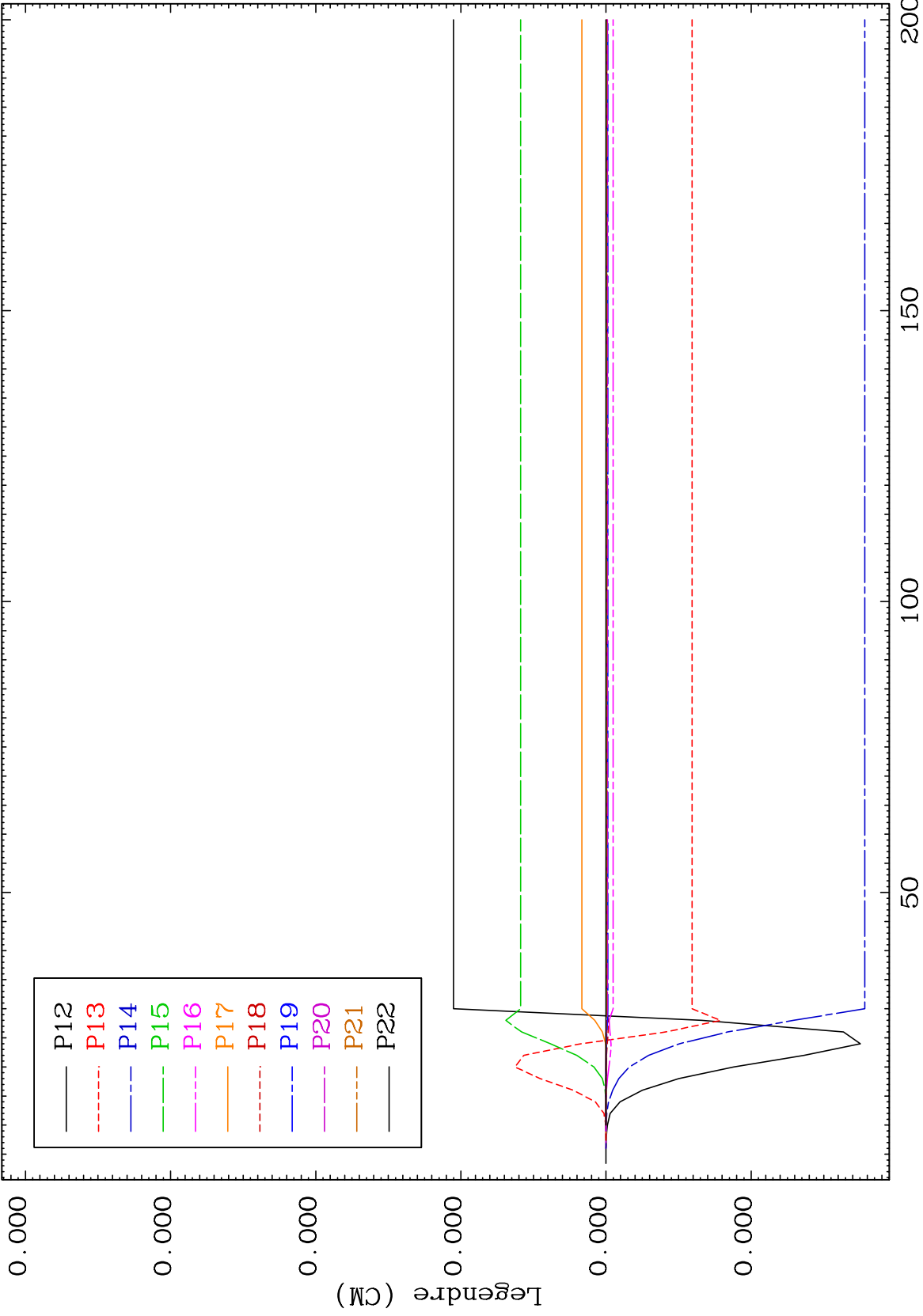
55-Cs-136

55-Cs-136

MAT 5534

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

55-Cs-136



60

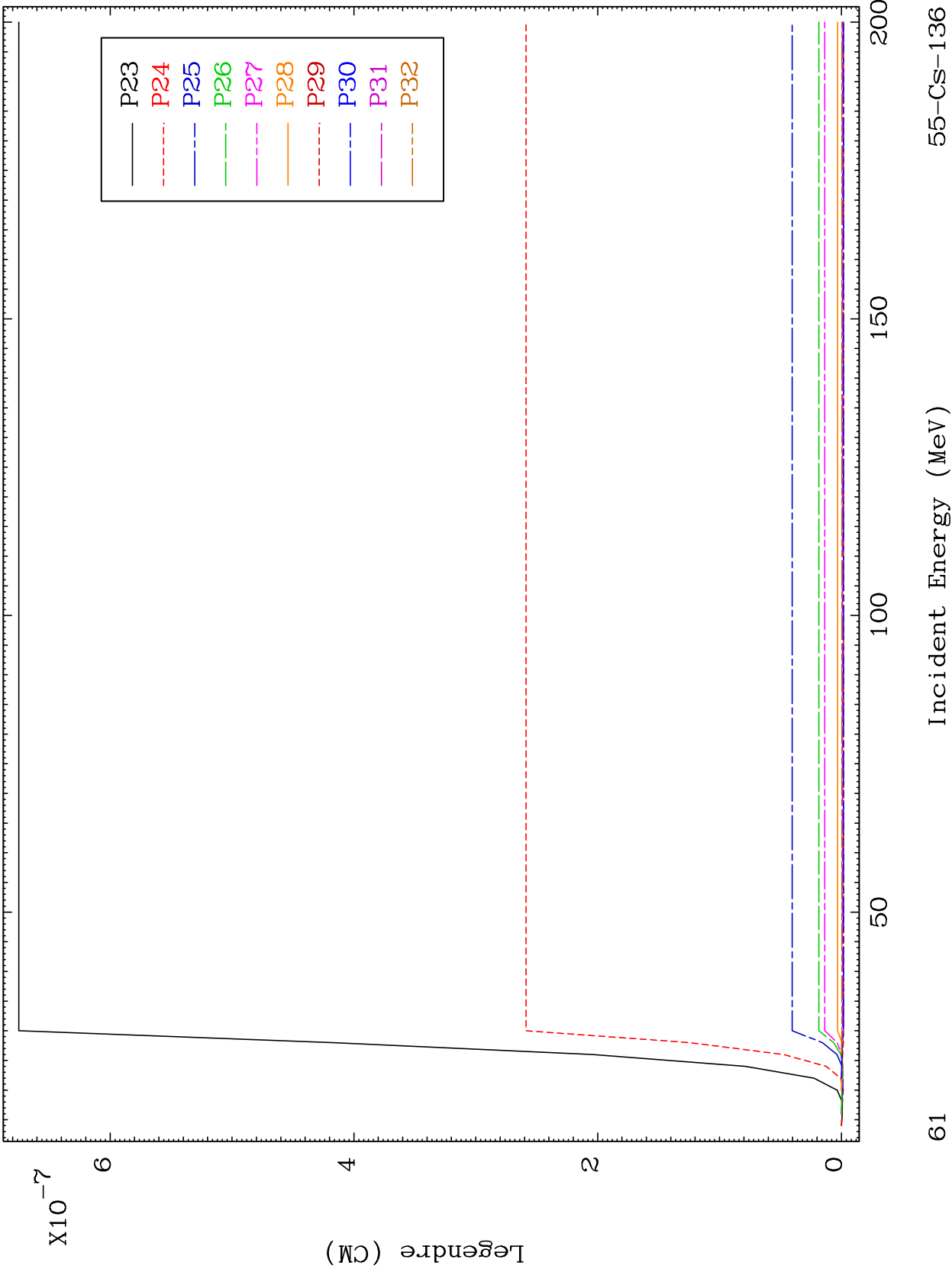
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



61

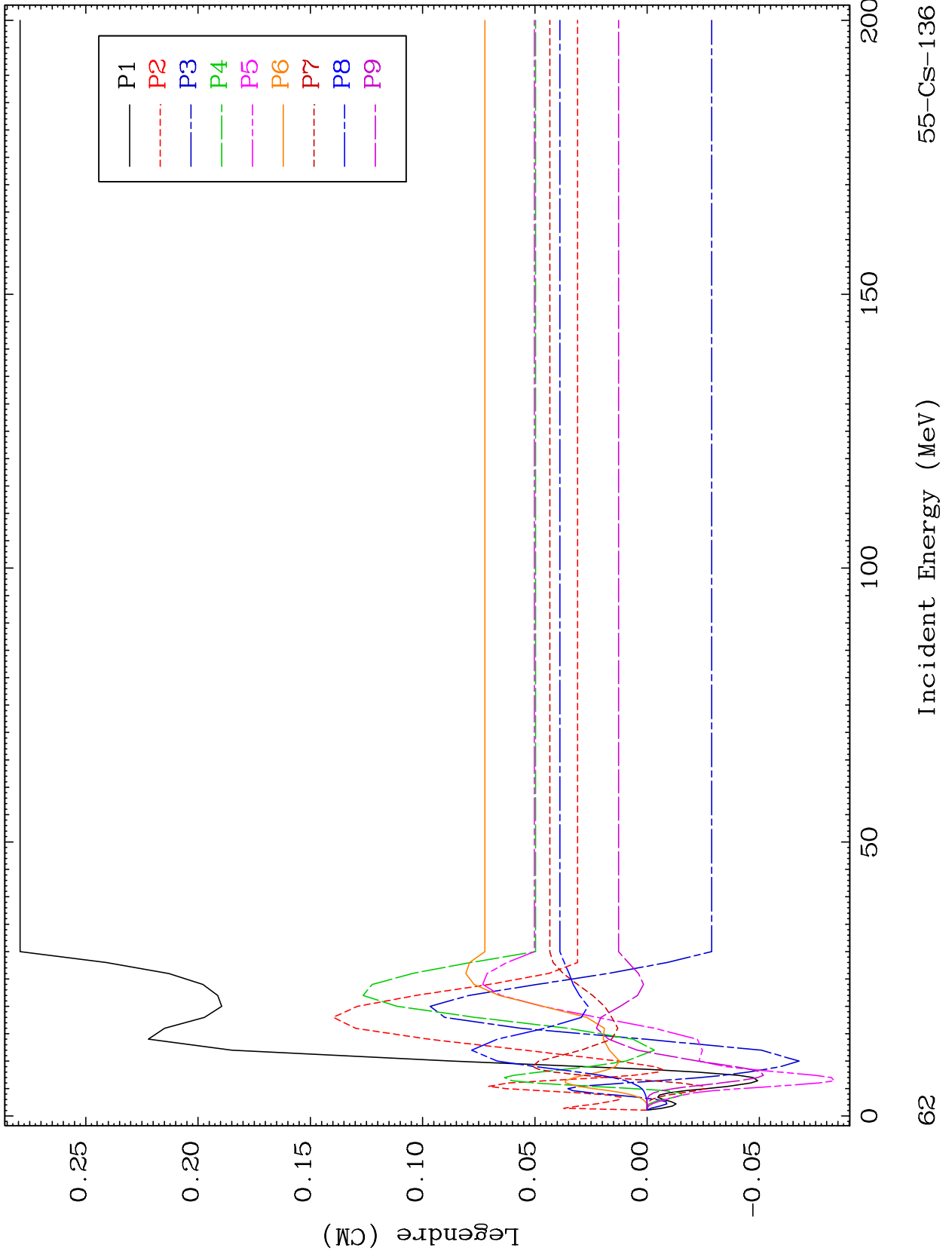
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



55-Cs-136

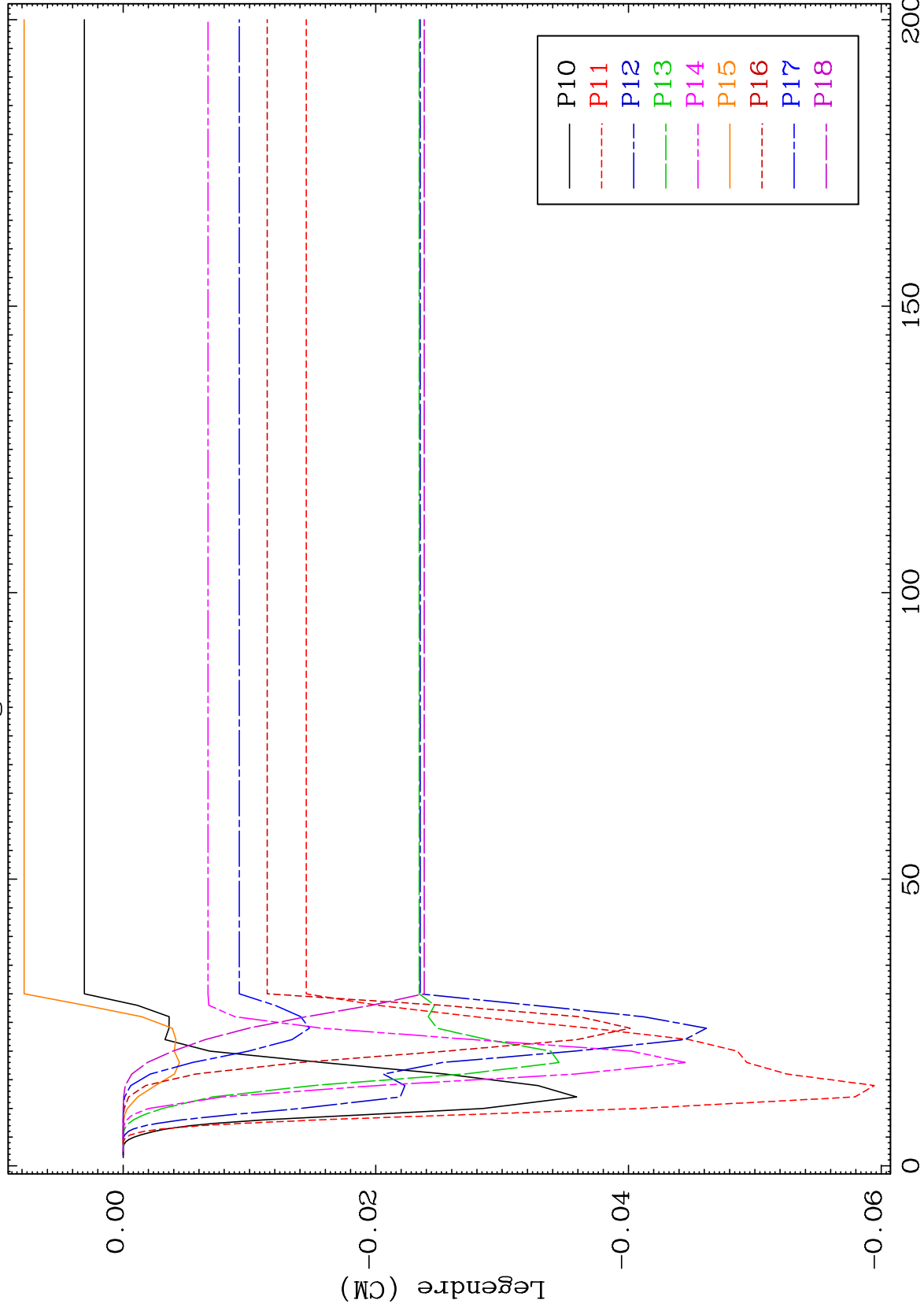
Incident Energy (MeV)

62

MAT 5534

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

55-Cs-136



63

Incident Energy (MeV)

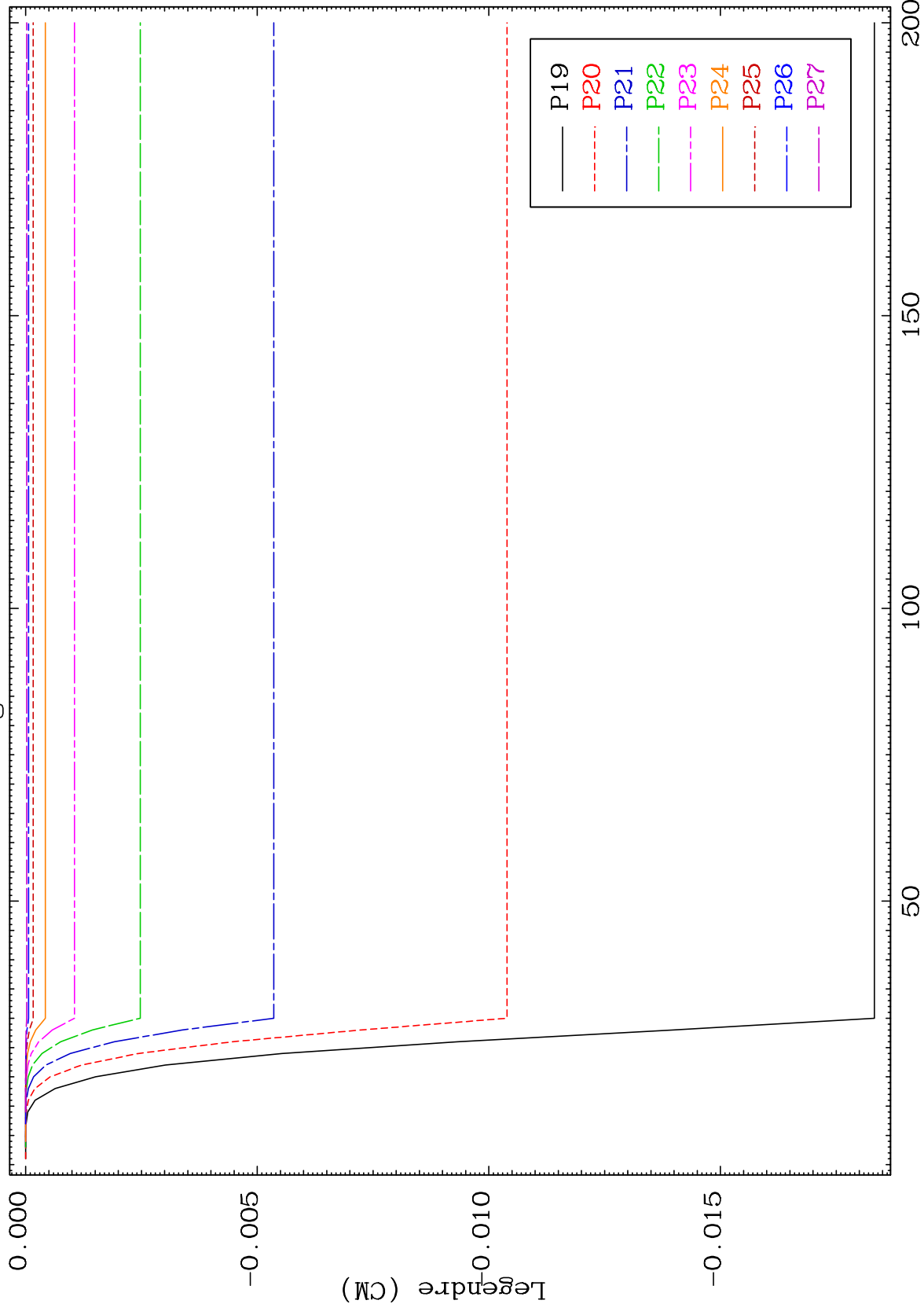
55-Cs-136



MAT 5534

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

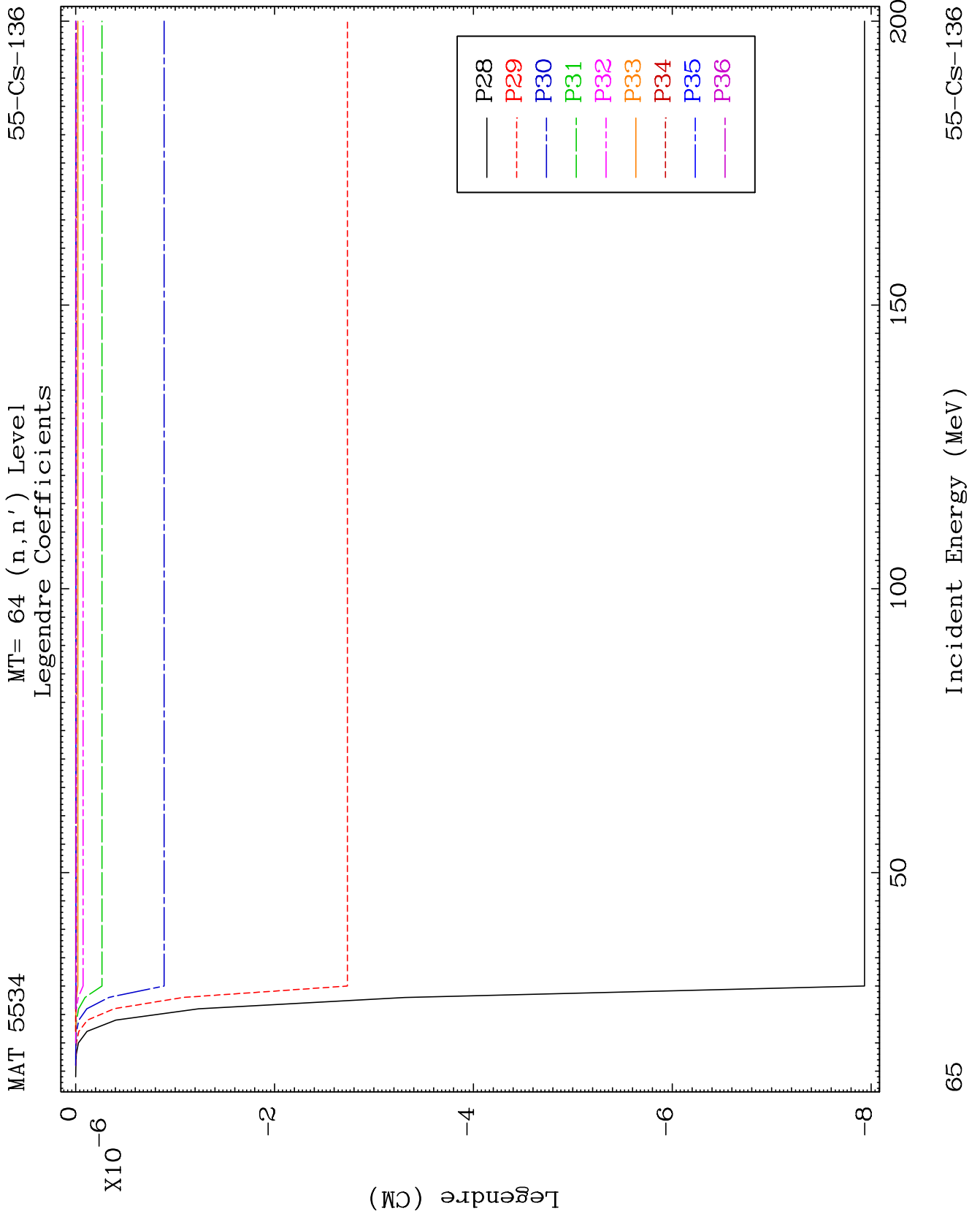
55-Cs-136



64

Incident Energy (MeV)

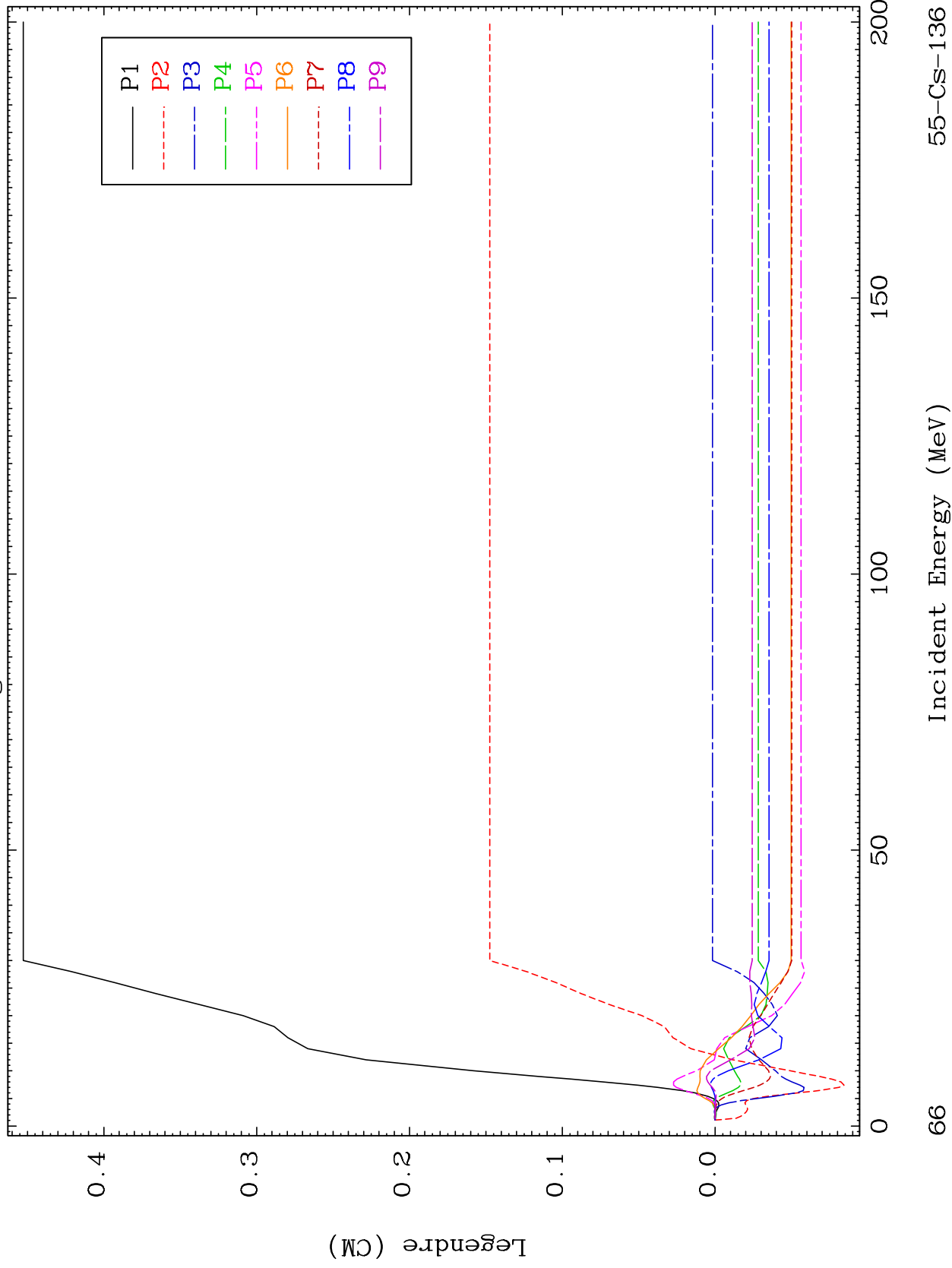
55-Cs-136



MAT 5534

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

55-Cs-136



55-Cs-136

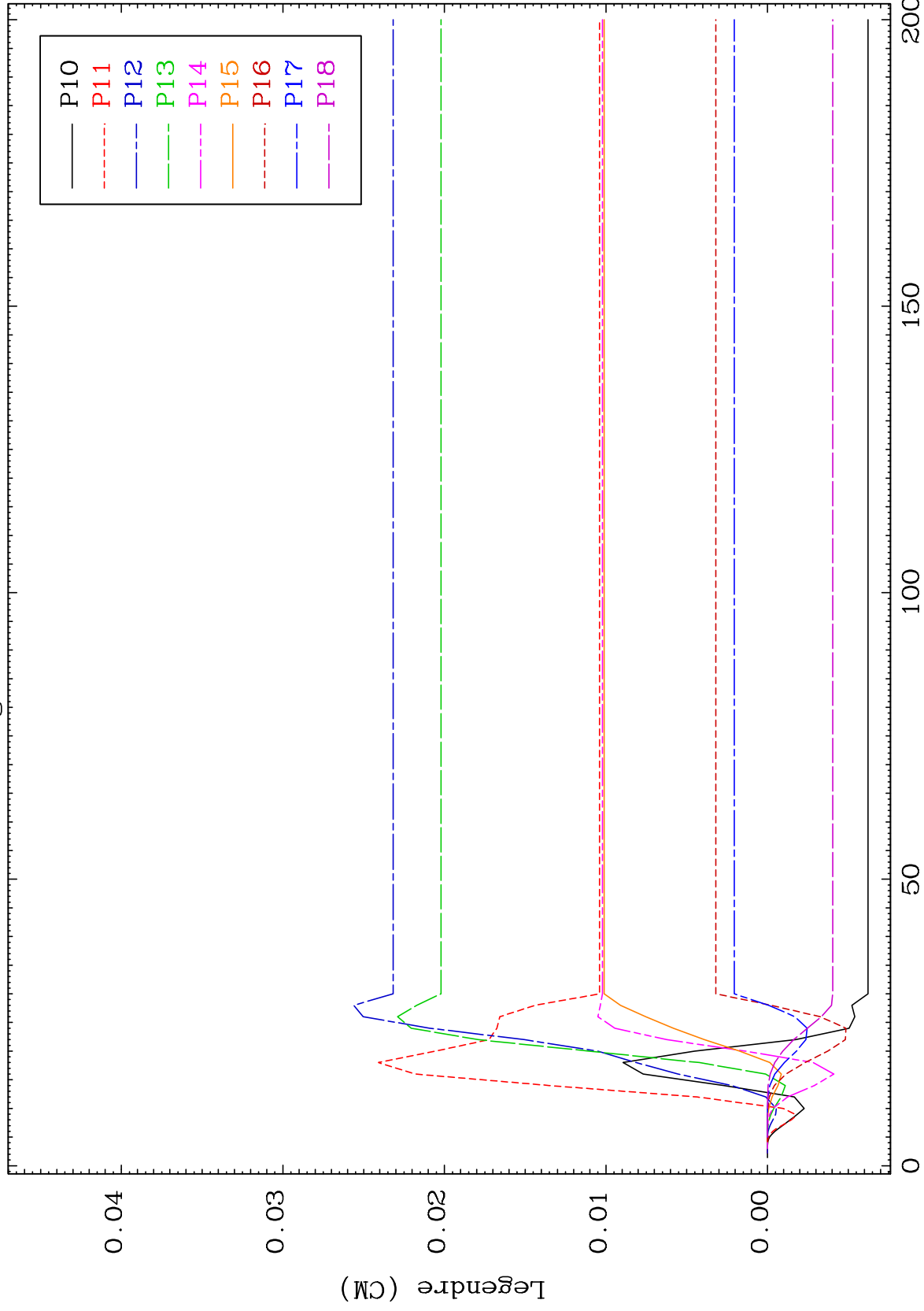
Incident Energy (MeV)

66

MAT 5534

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

55-Cs-136



67

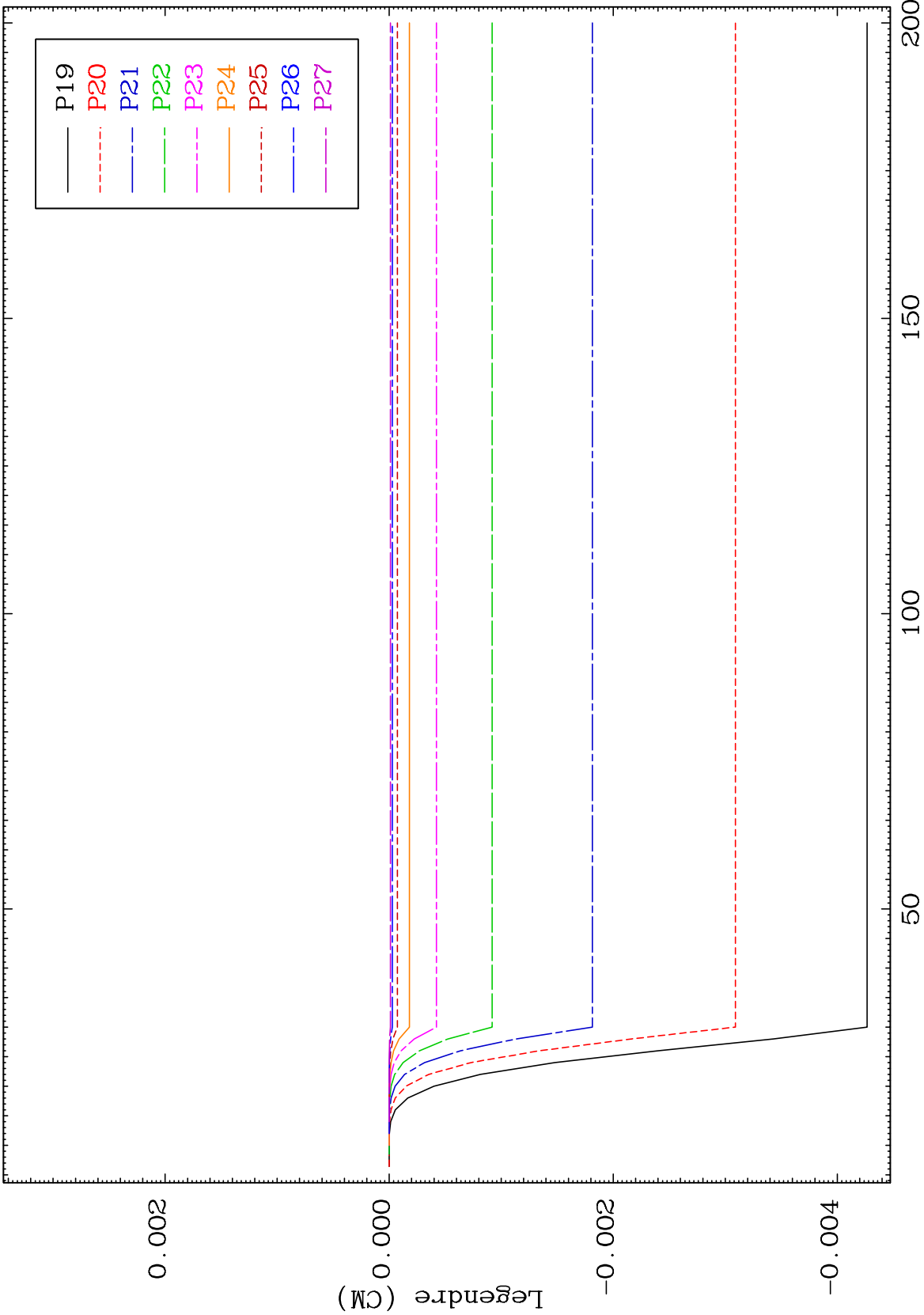
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136

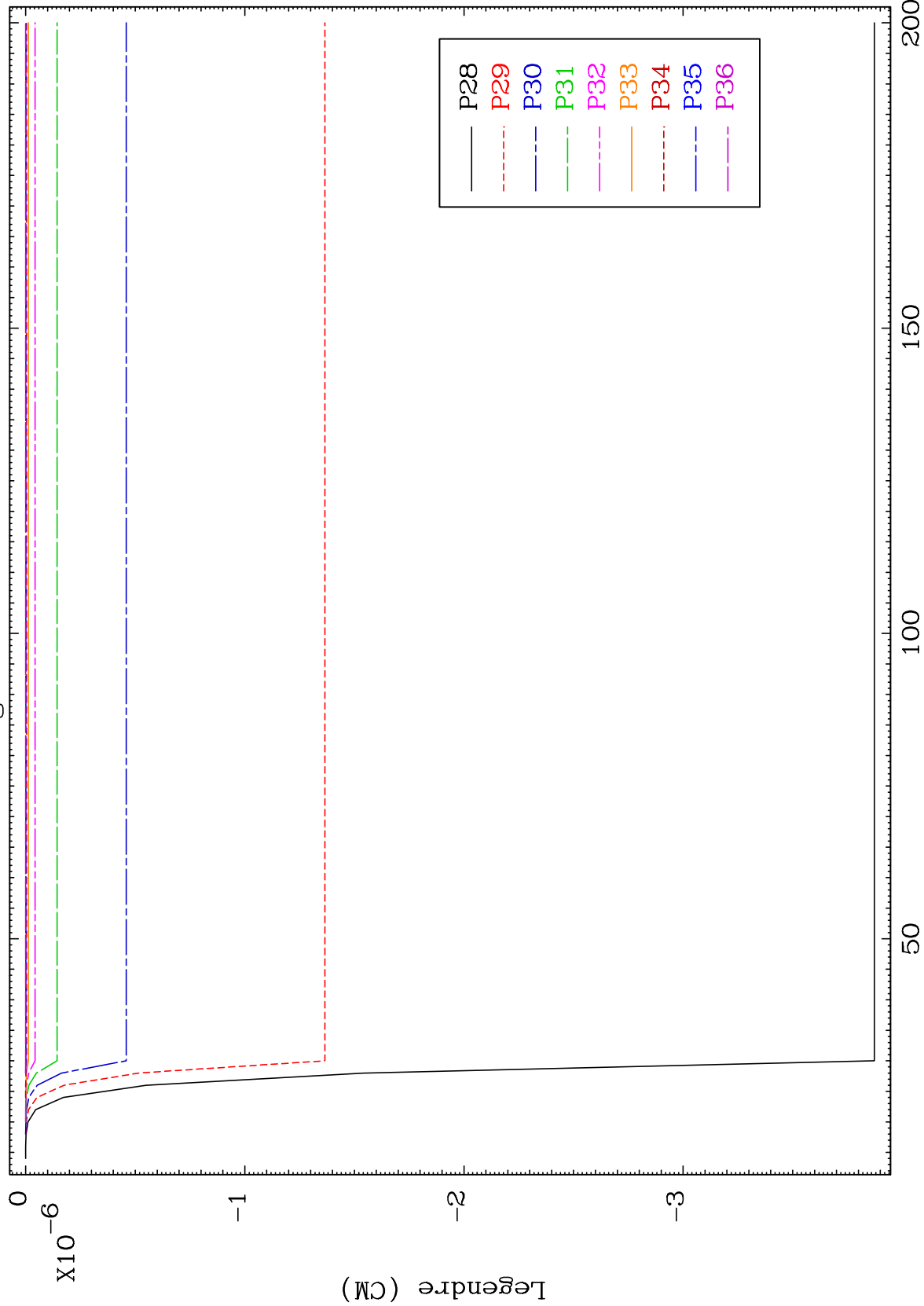


MAT 5534

MT= 65 (n,n') Level

55-Cs-136

Legendre Coefficients



55-Cs-136

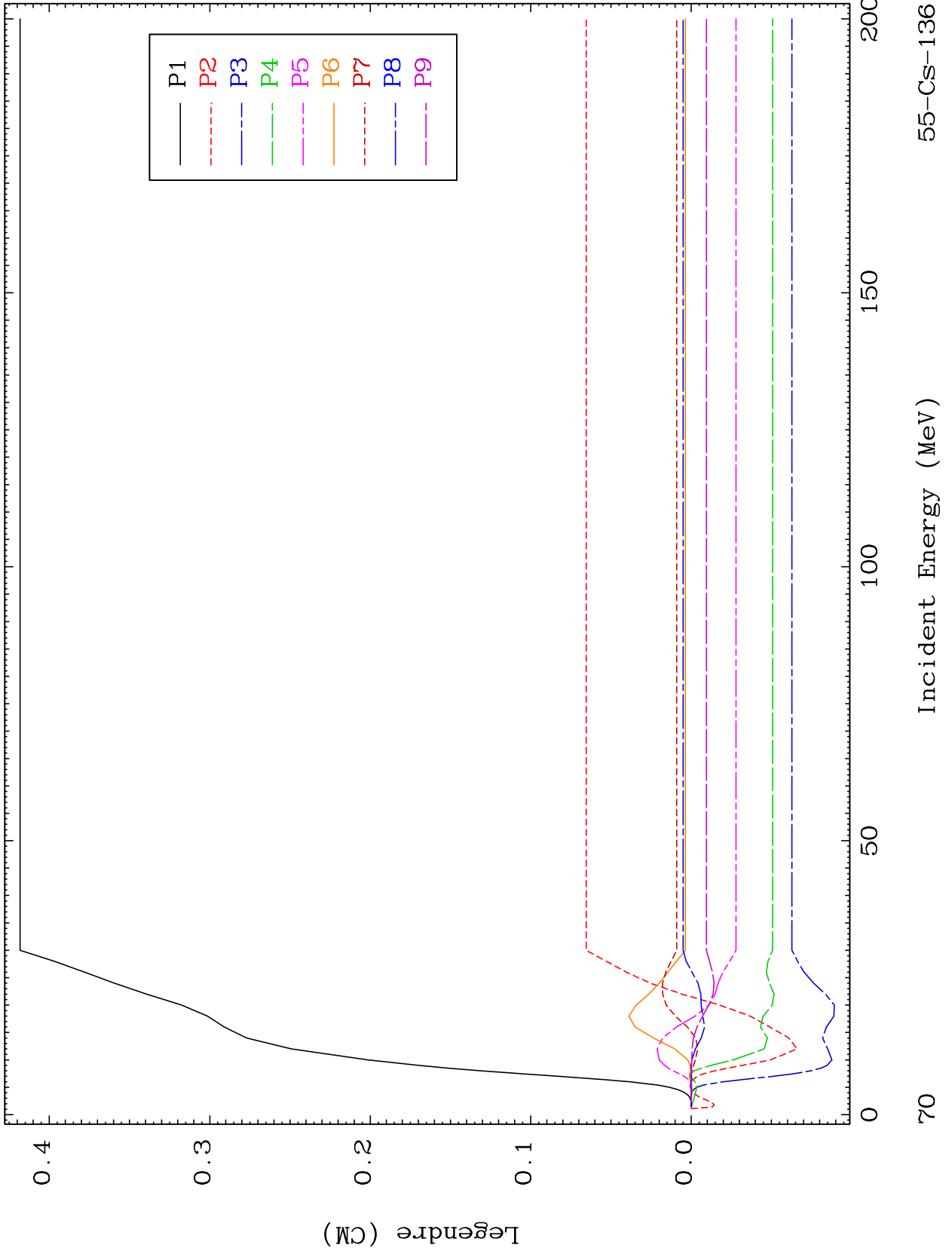
Incident Energy (MeV)

69

MAT 5534

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

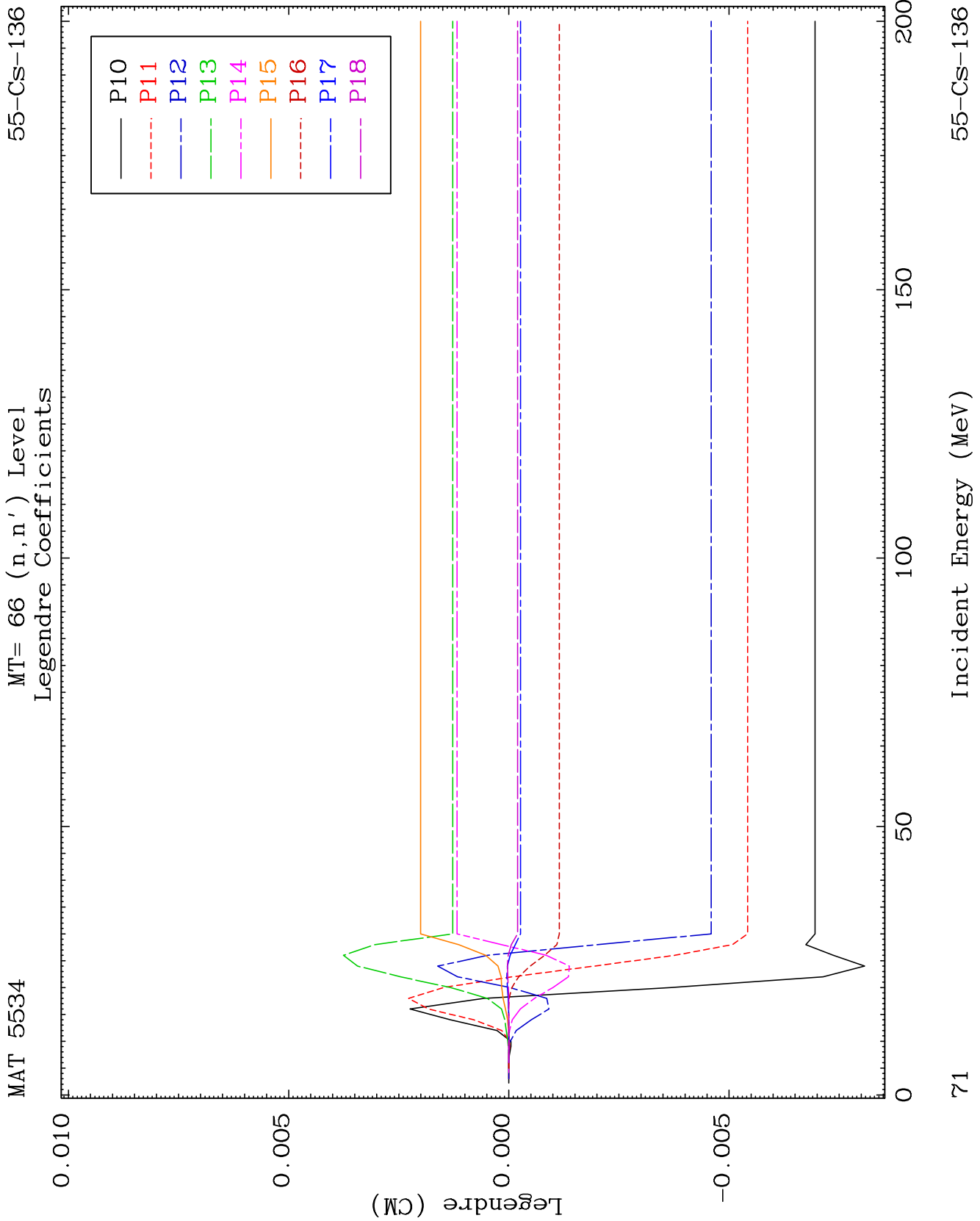
55-Cs-136



70

Incident Energy (MeV)

55-Cs-136

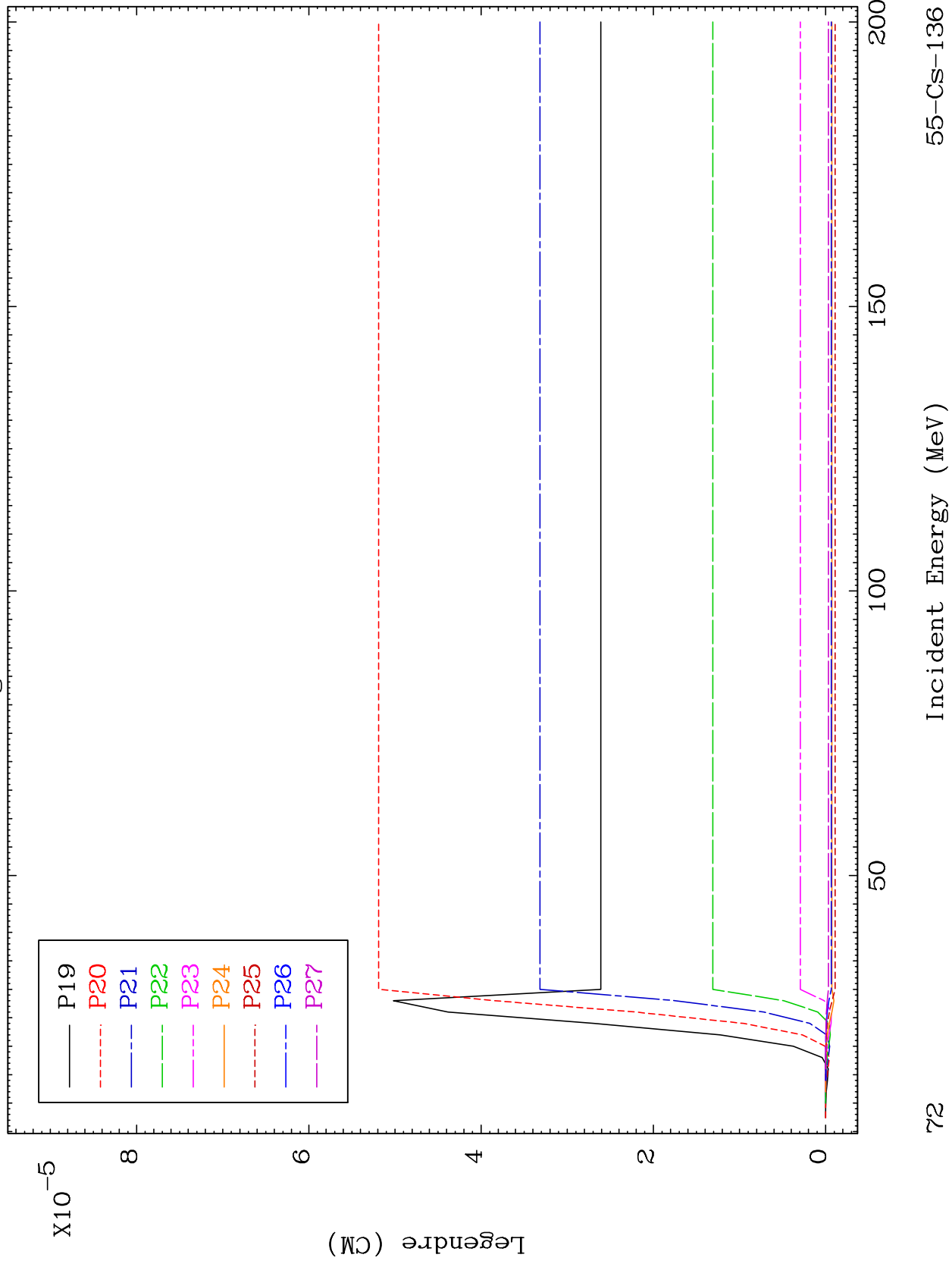




MAT 5534

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

55-Cs-136



72

55-Cs-136

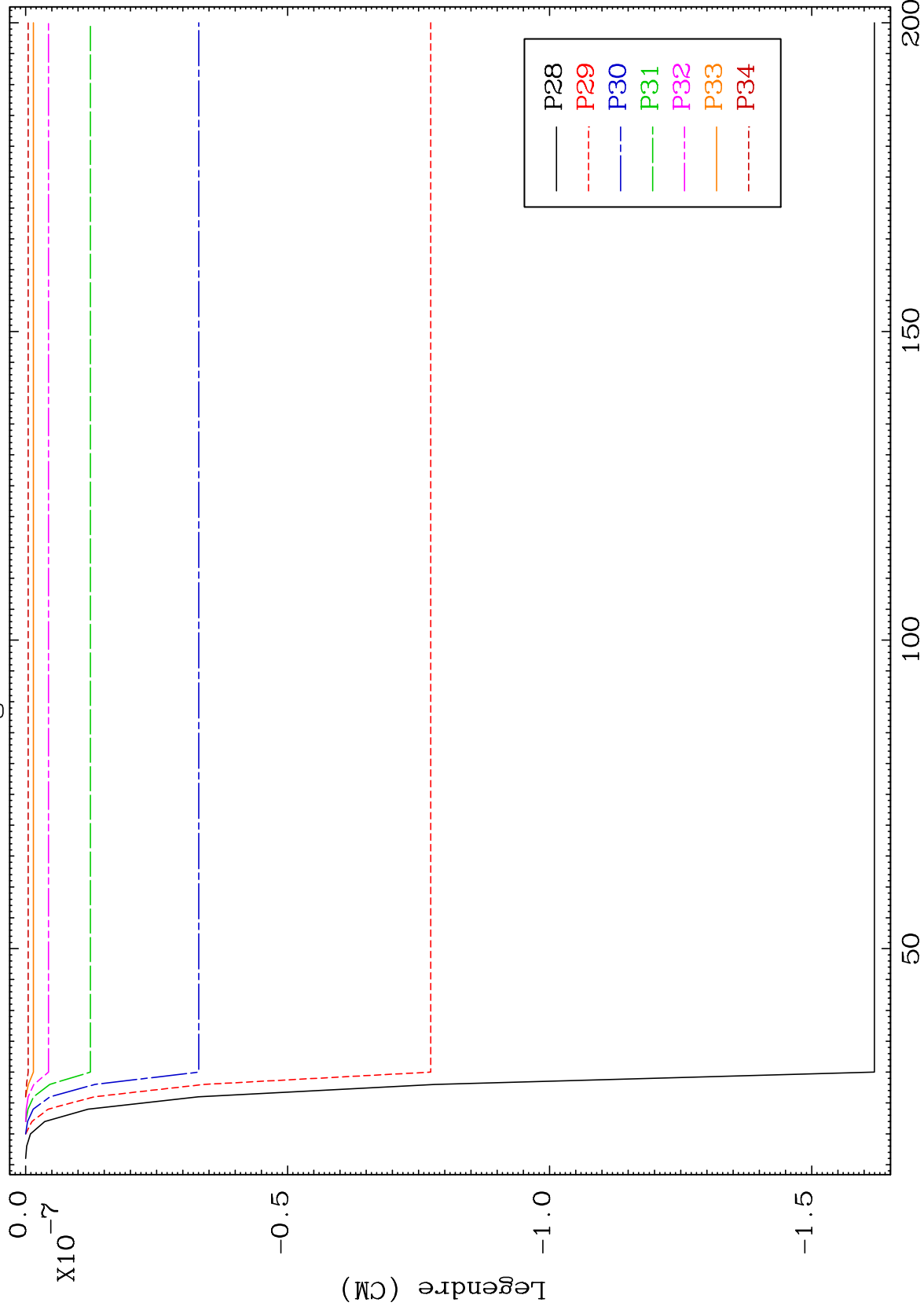
Incident Energy (MeV)

MAT 5534

MT= 66 (n,n') Level

55-Cs-136

Legendre Coefficients



55-Cs-136

Incident Energy (MeV)

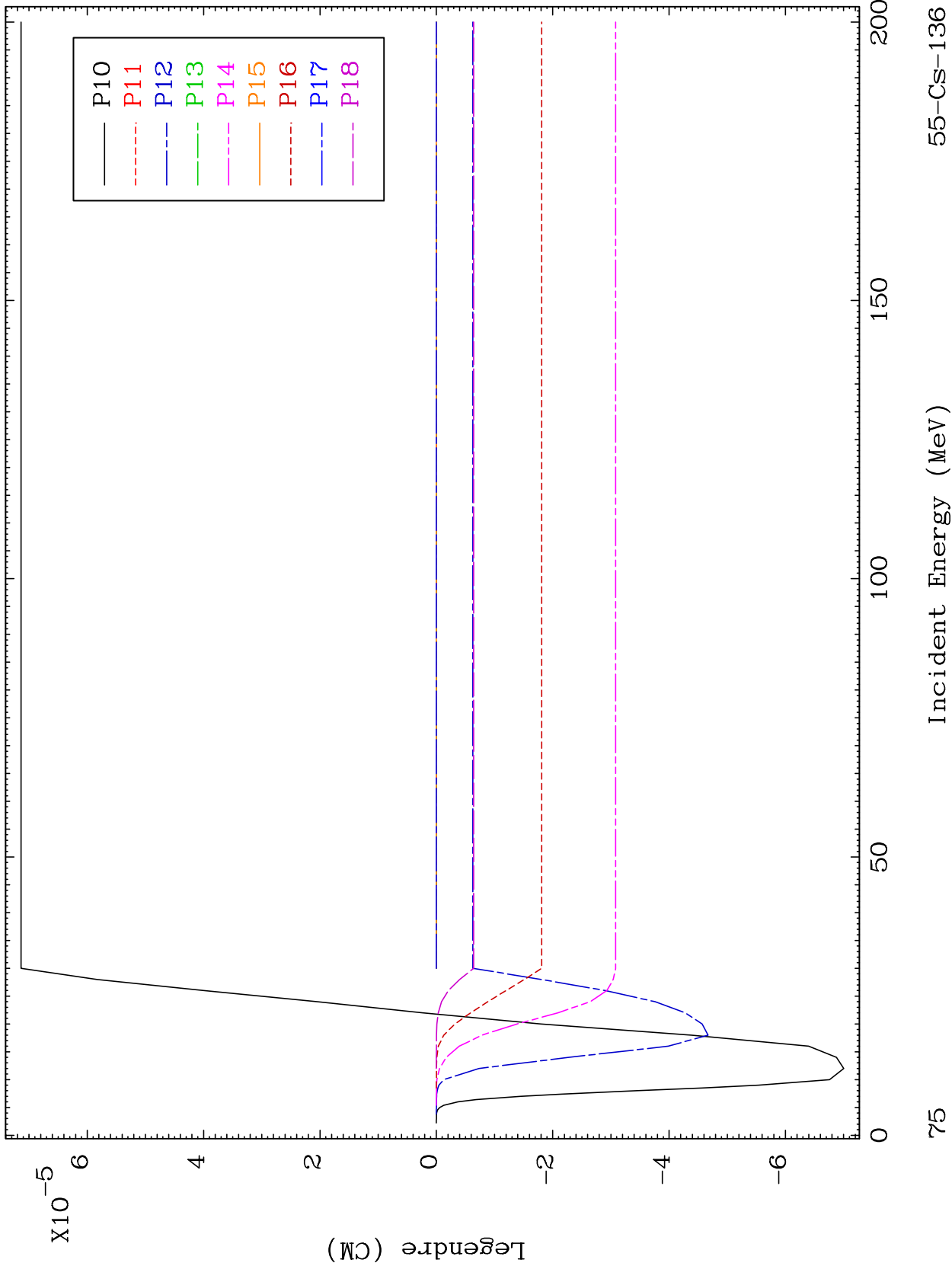
73



MAT 5534

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

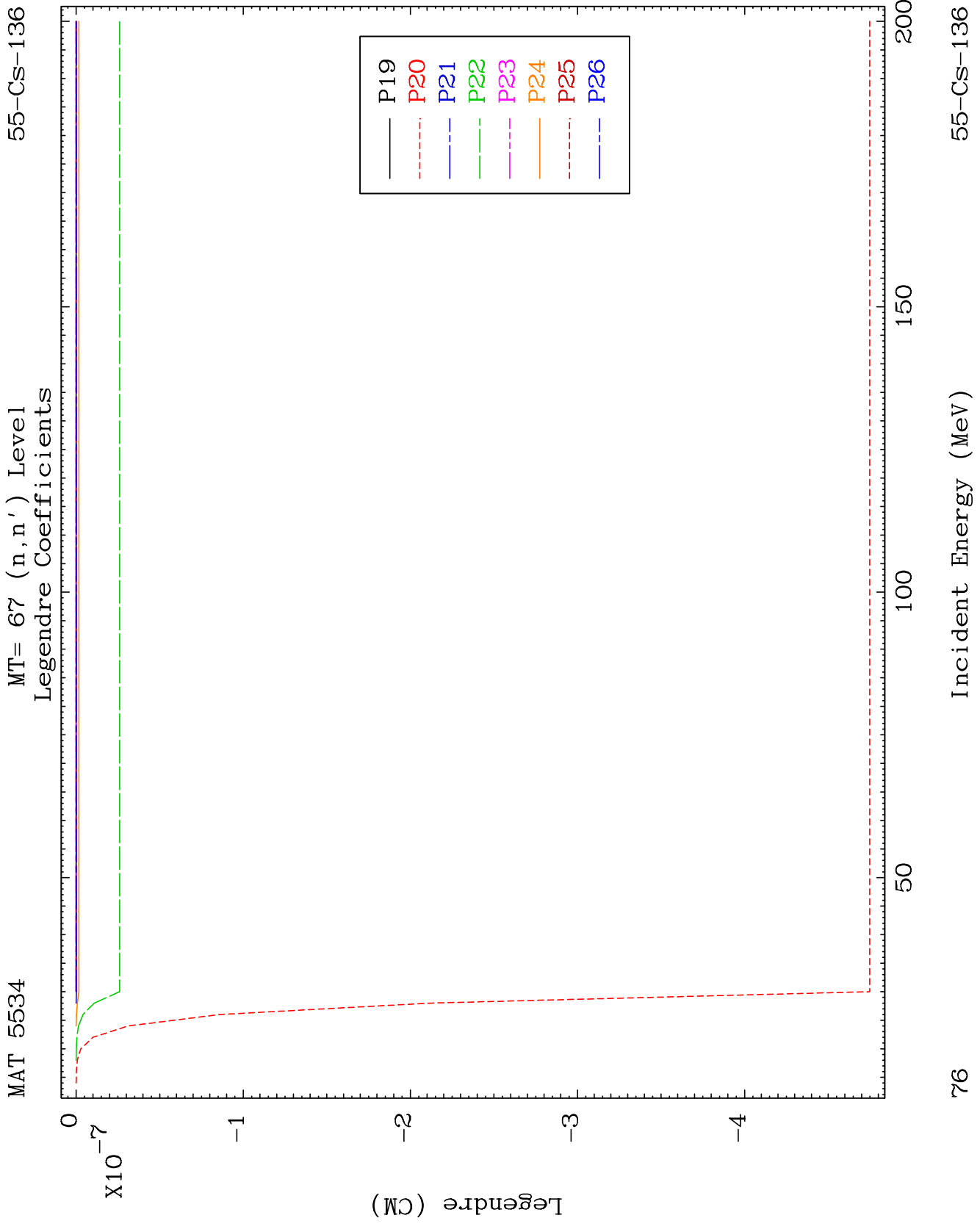
55-Cs-136



55-Cs-136

Incident Energy (MeV)

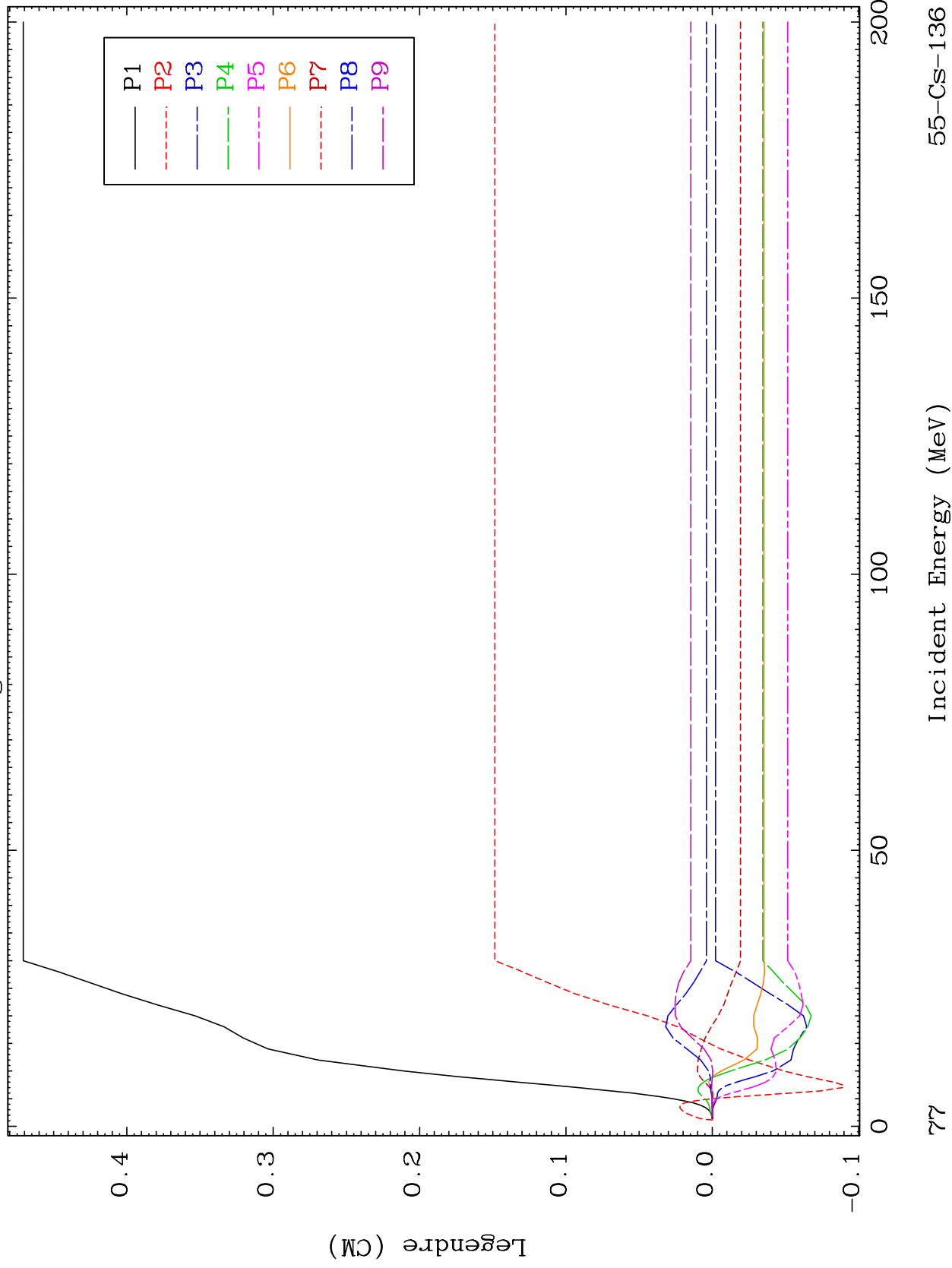
75



MAT 5534

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

55-Cs-136

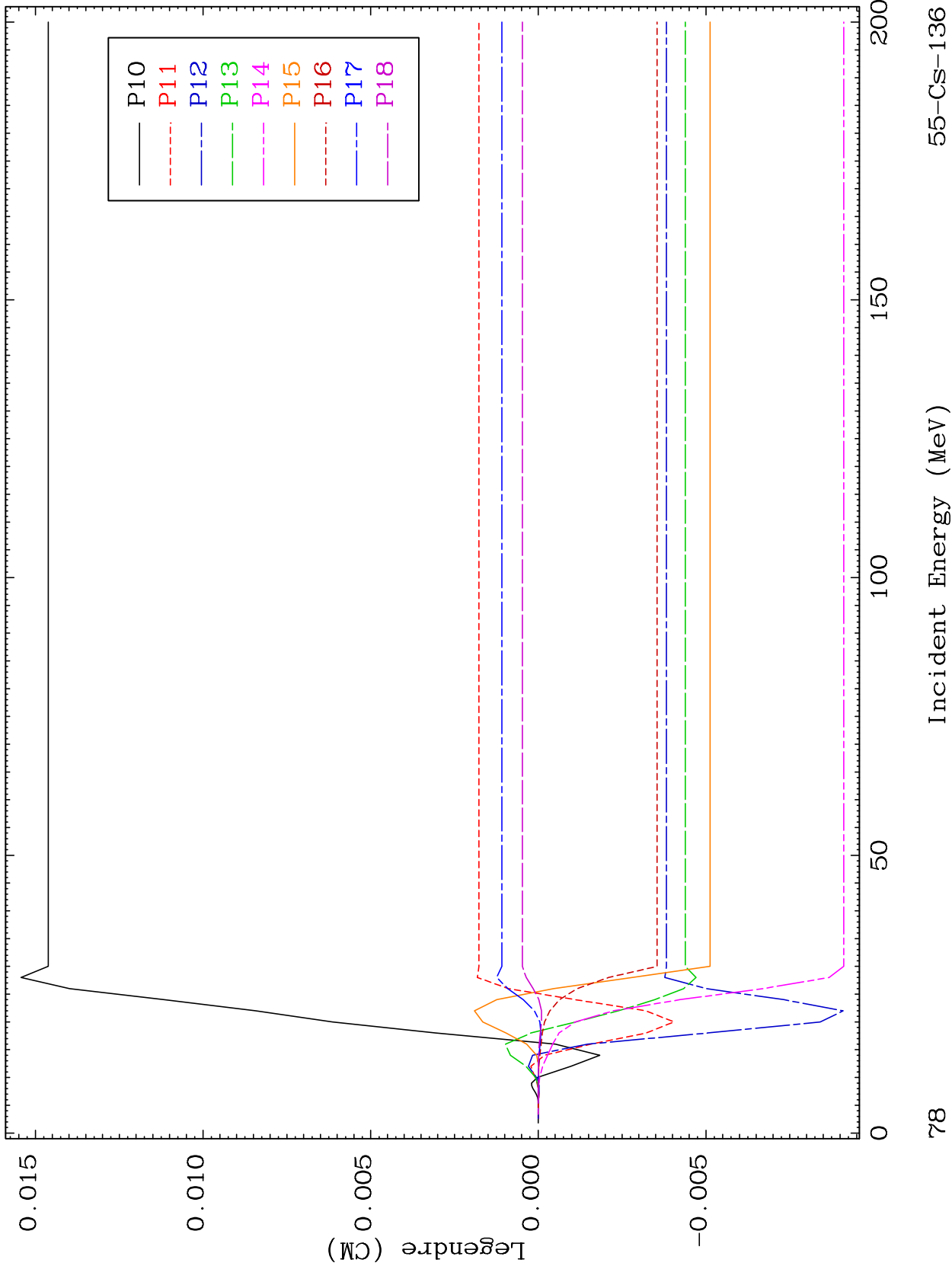


55-Cs-136

MAT 5534

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

55-Cs-136



55-Cs-136

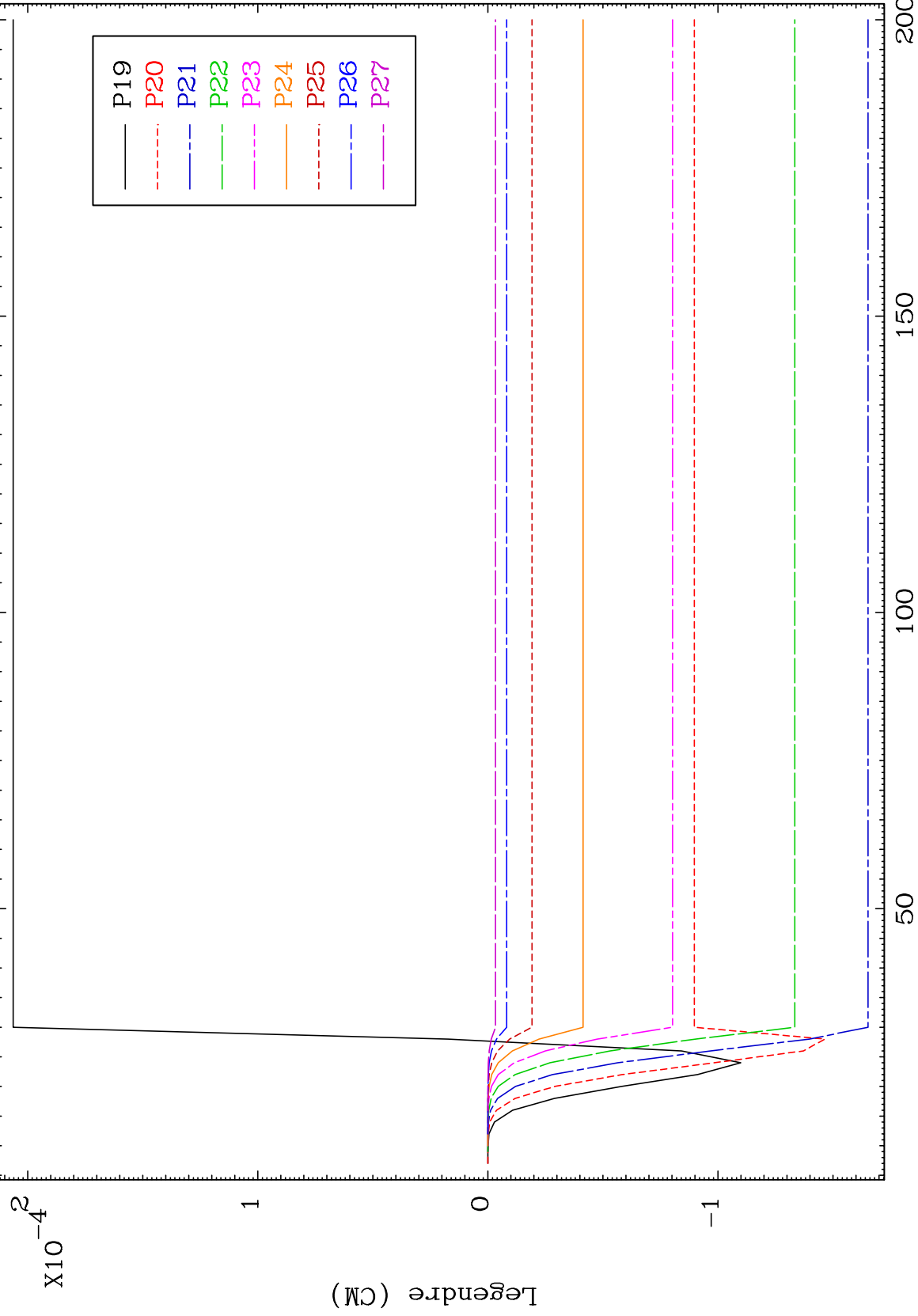
Incident Energy (MeV)

78

MAT 5534

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

55-Cs-136



79

Incident Energy (MeV)

55-Cs-136

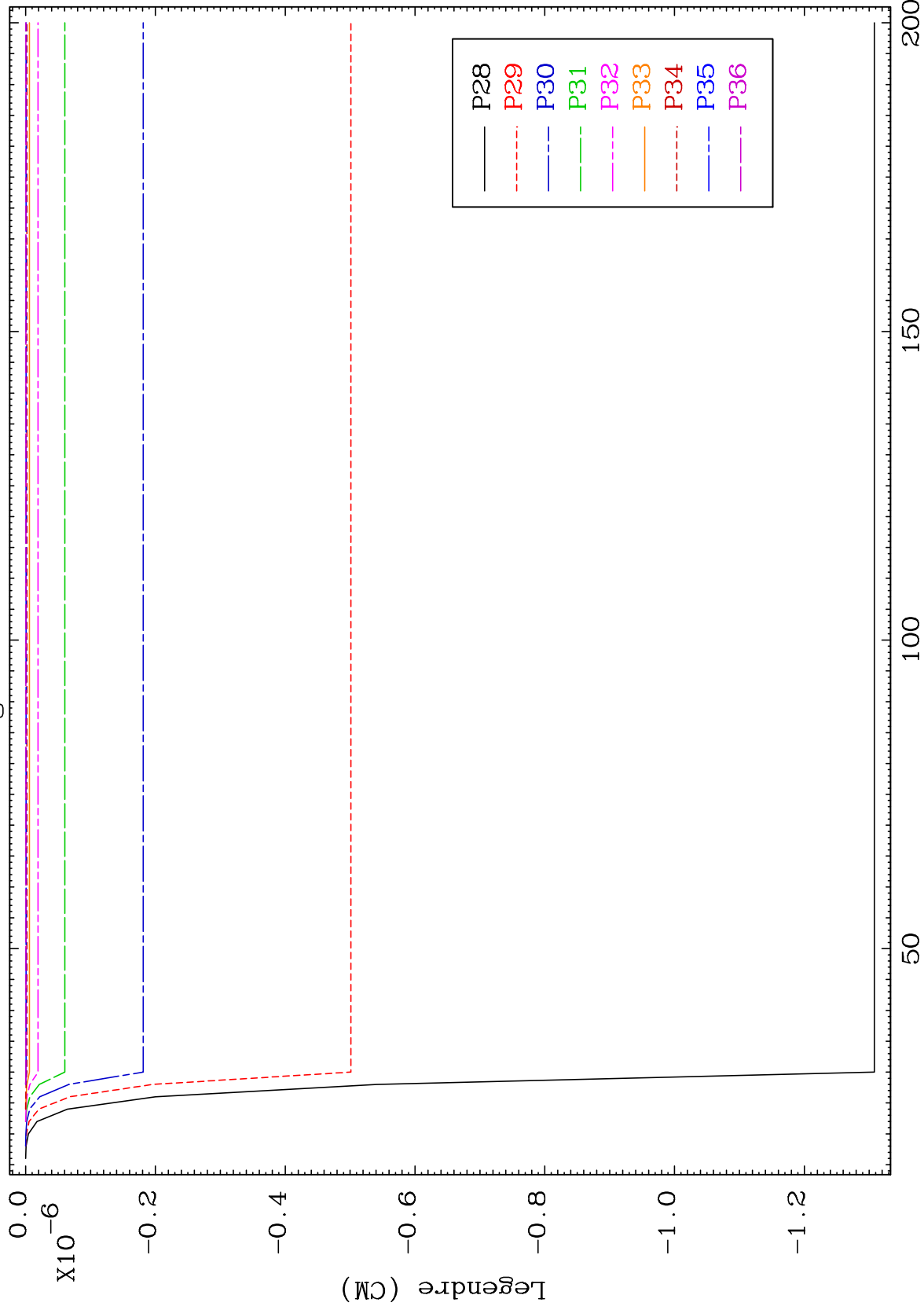


MAT 5534

MT= 68 (n,n') Level

55-Cs-136

Legendre Coefficients



55-Cs-136

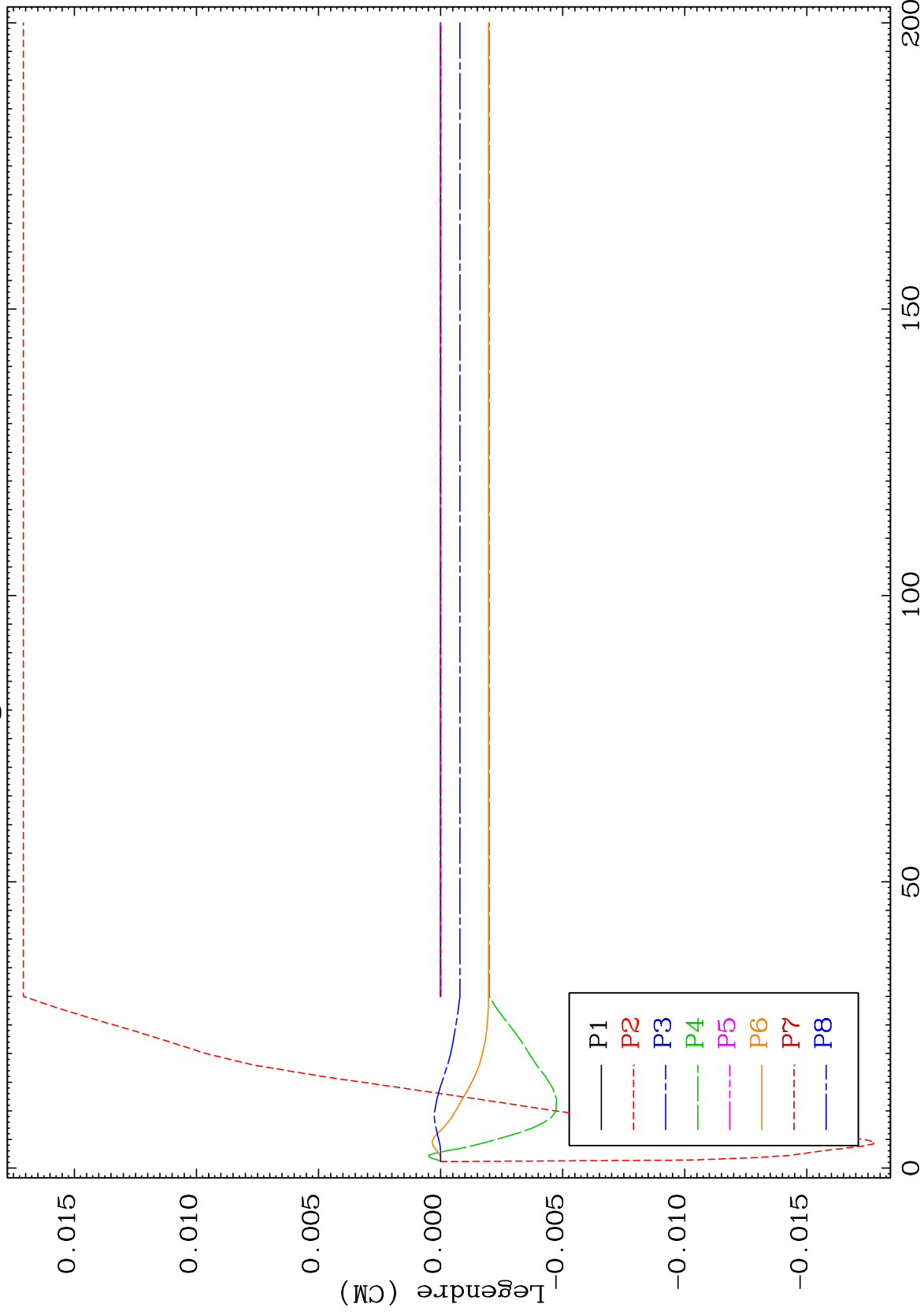
Incident Energy (MeV)

80

MAT 5534

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

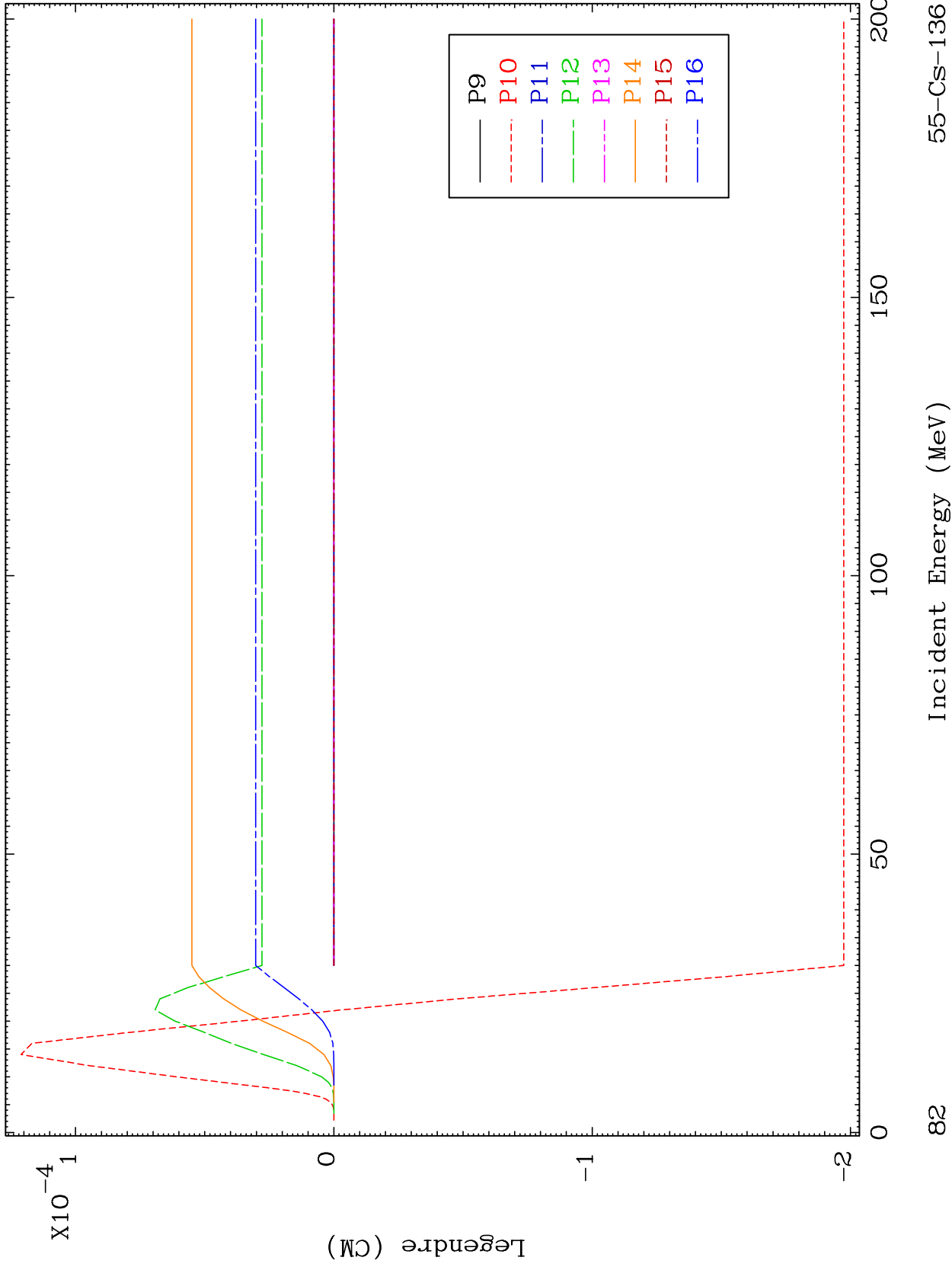
55-Cs-136



MAT 5534

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

55-Cs-136



82

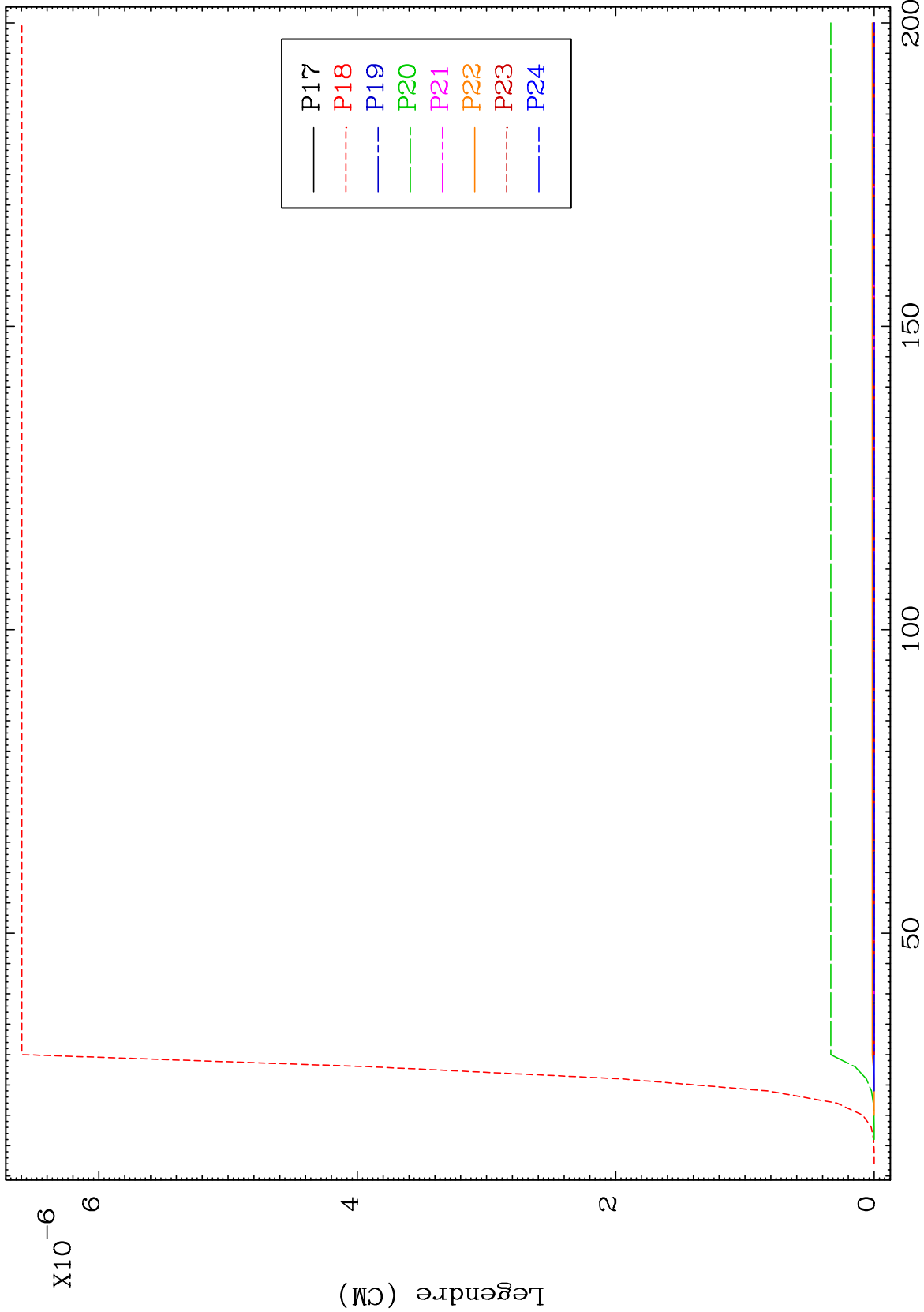
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



55-Cs-136

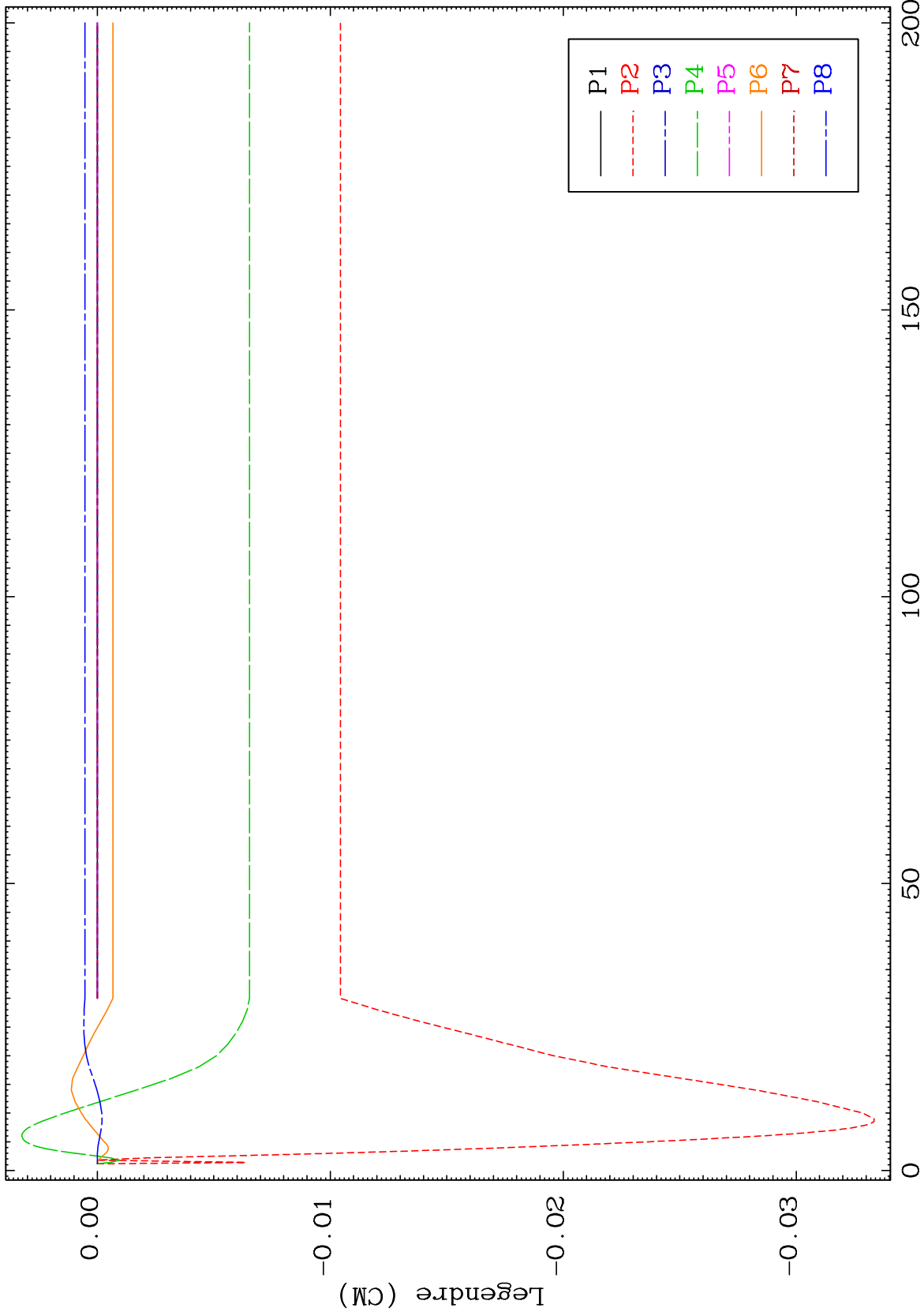
Incident Energy (MeV)

83

MAT 5534

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

55-Cs-136



84

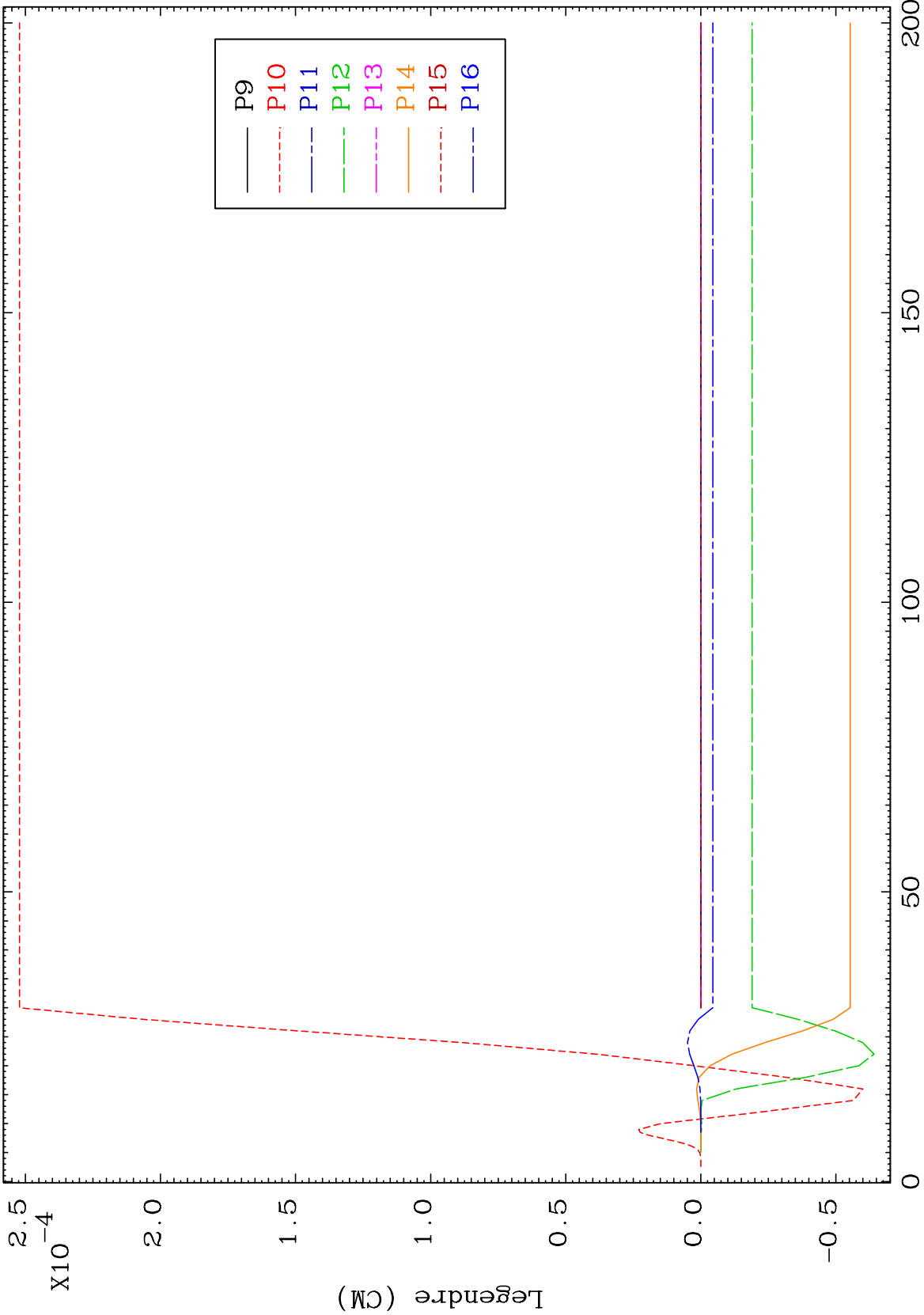
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



85

Incident Energy (MeV)

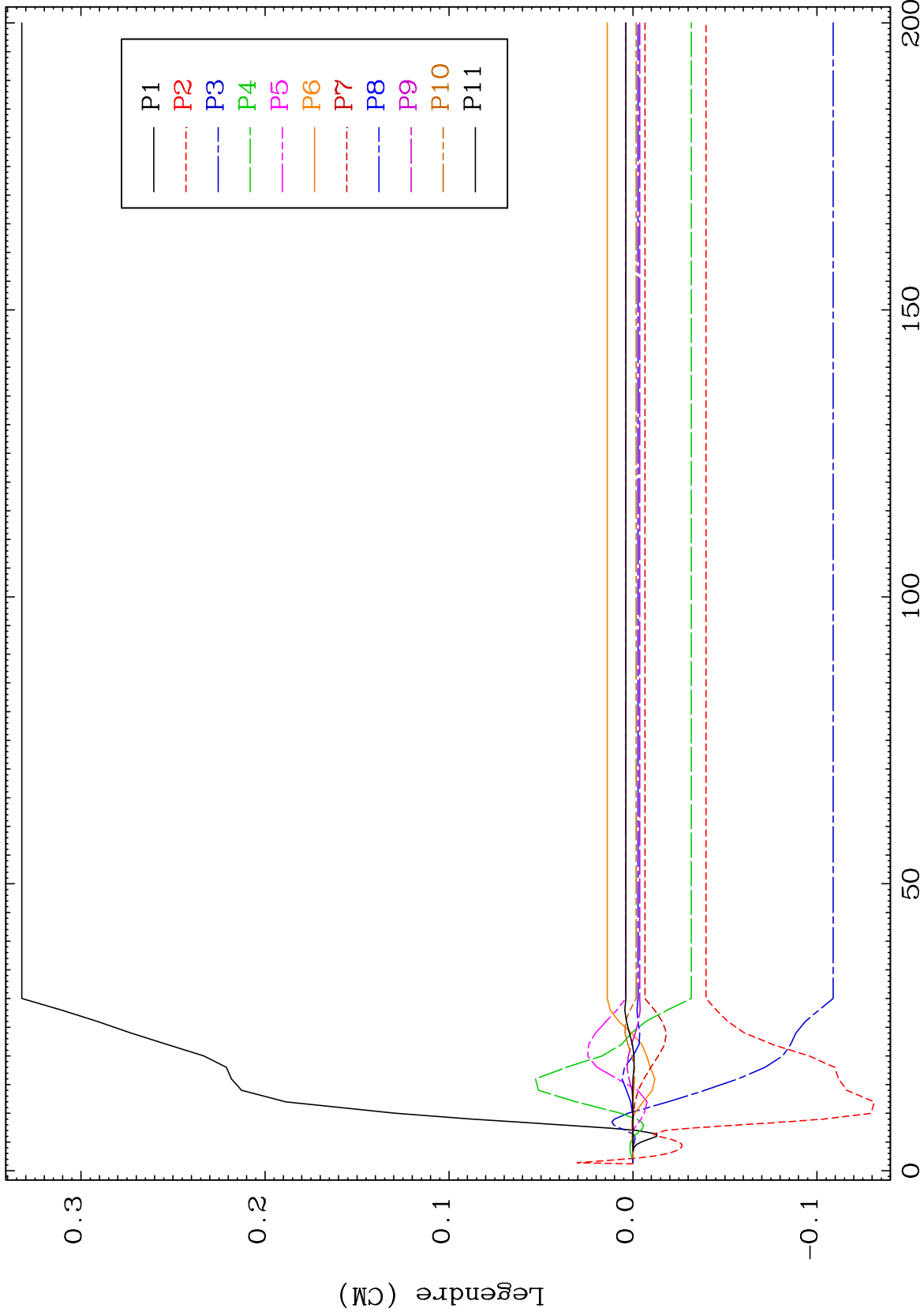
55-Cs-136



MAT 5534

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

55-Cs-136



87

55-Cs-136

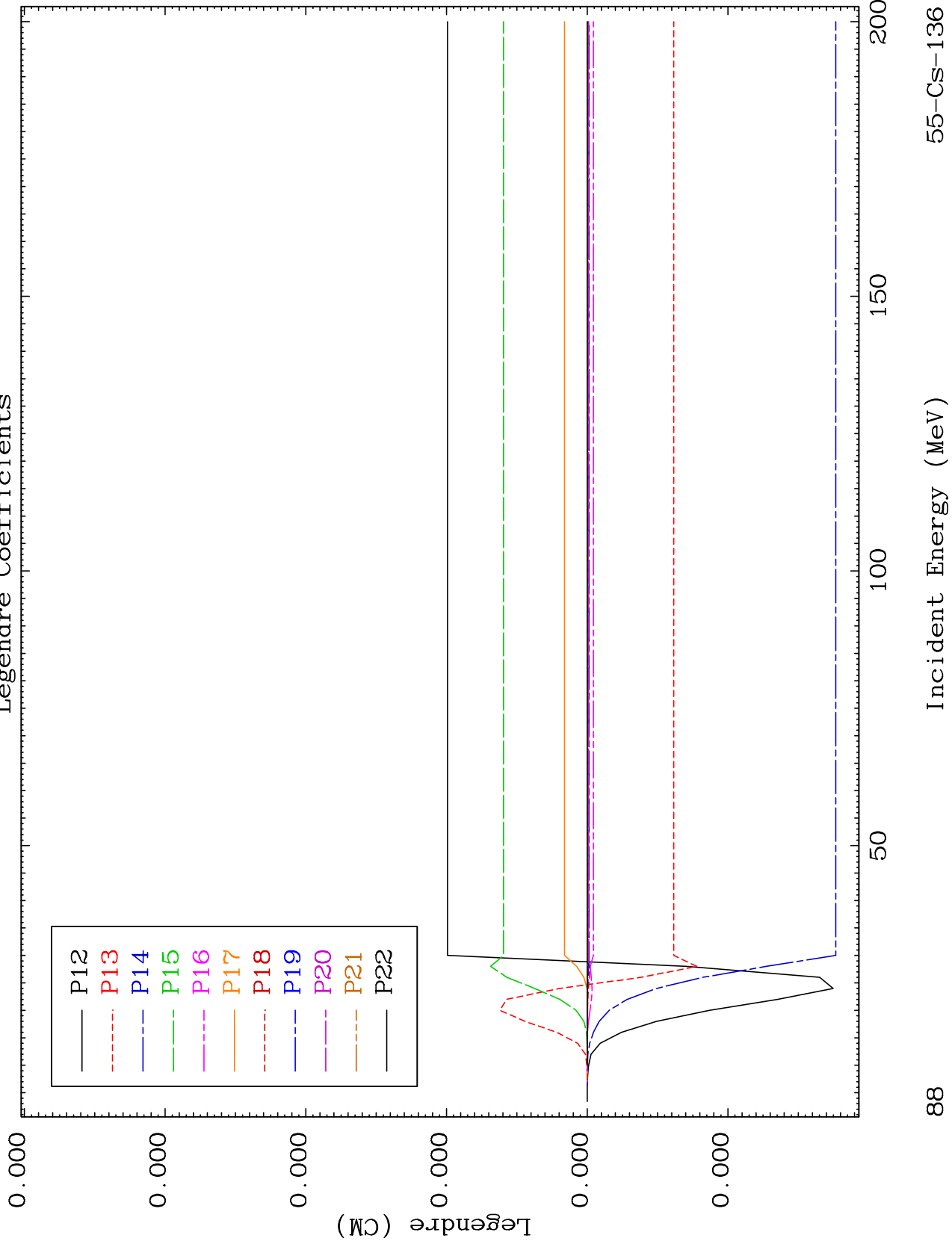
55-Cs-136



MAT 5534

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

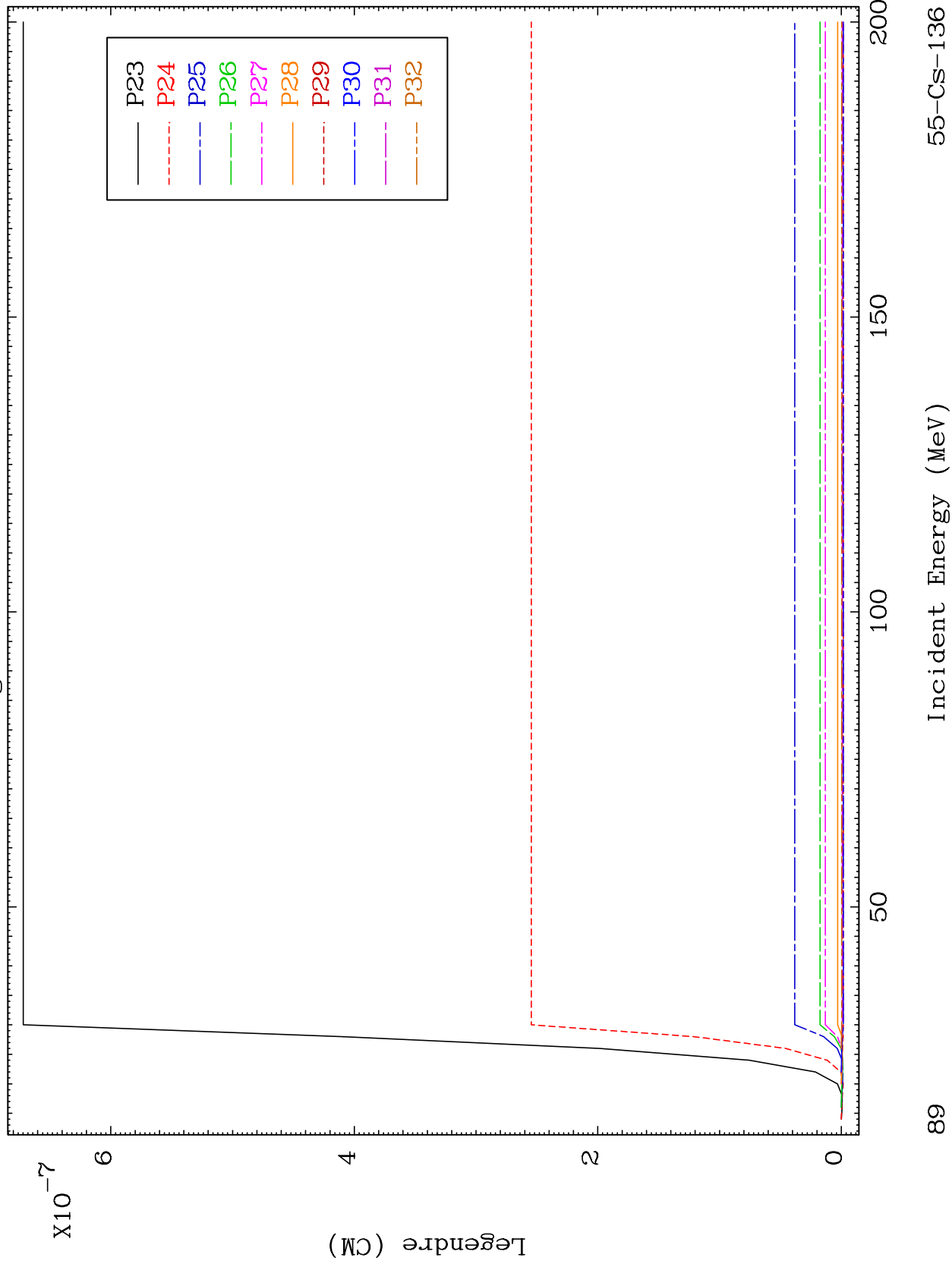
55-Cs-136



MAT 5534

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

55-Cs-136



89

Incident Energy (MeV)

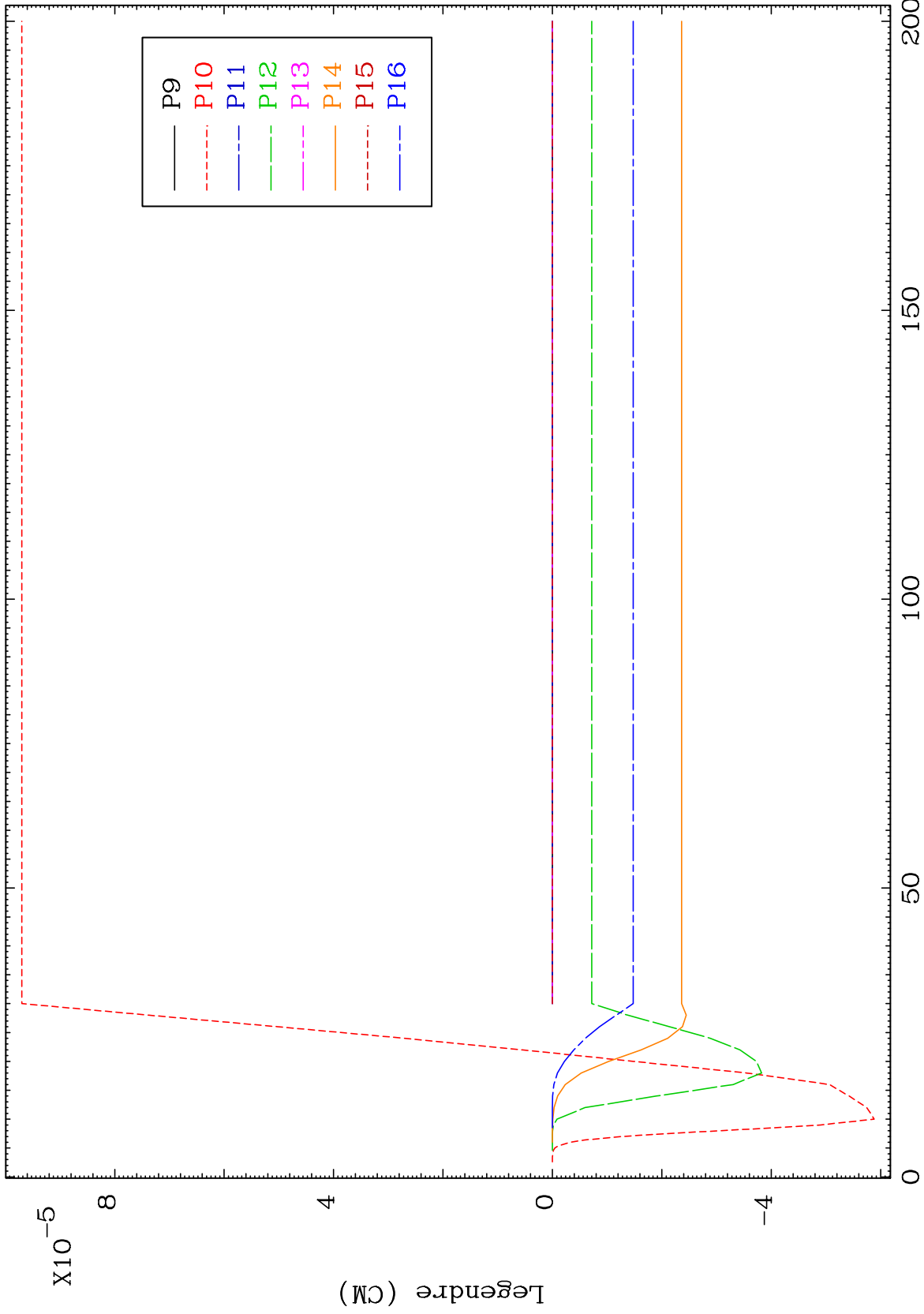
55-Cs-136



MAT 5534

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

55-Cs-136



91

Incident Energy (MeV)

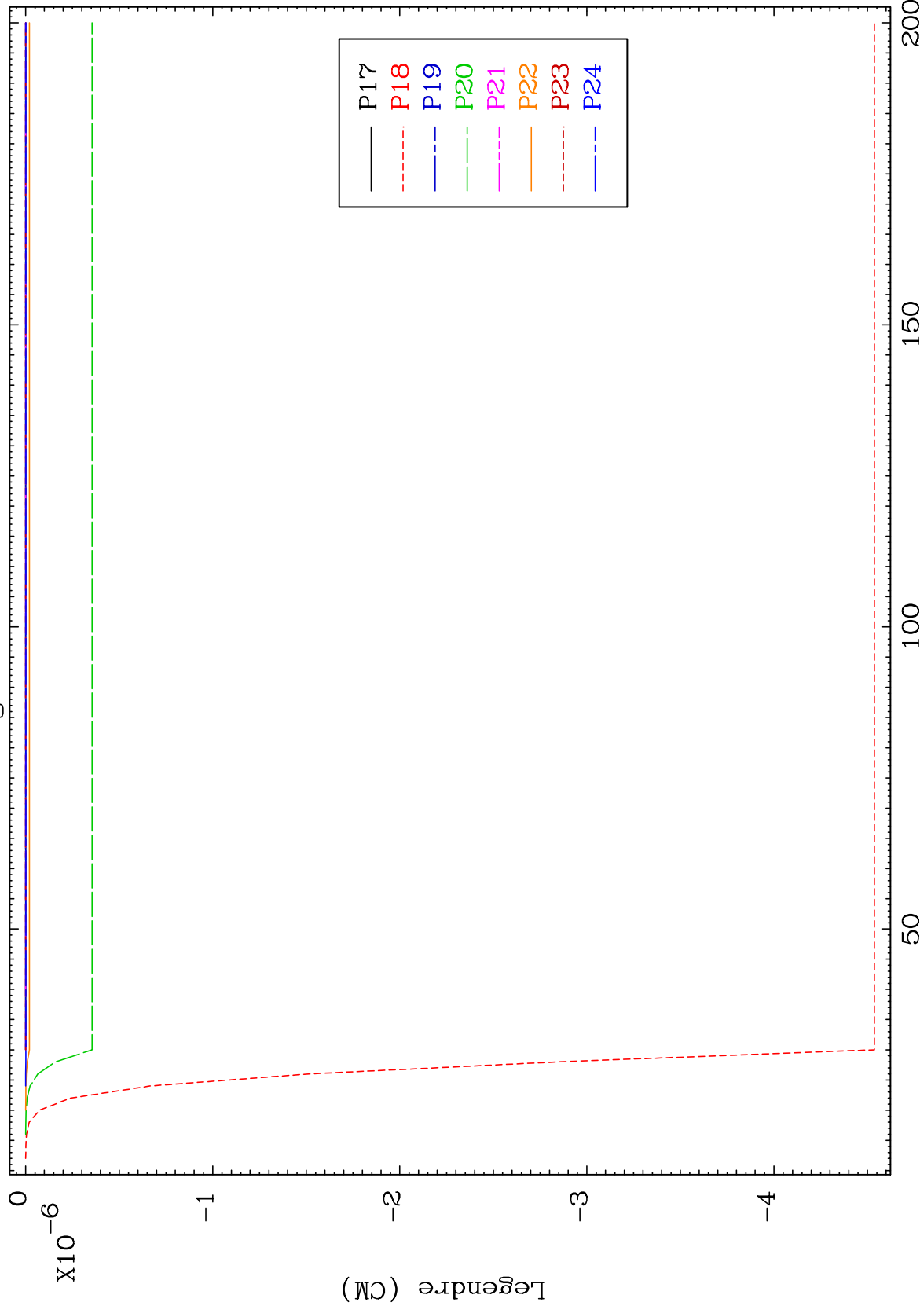
55-Cs-136

MAT 5534

MT= 72 (n,n') Level

55-Cs-136

Legendre Coefficients



55-Cs-136

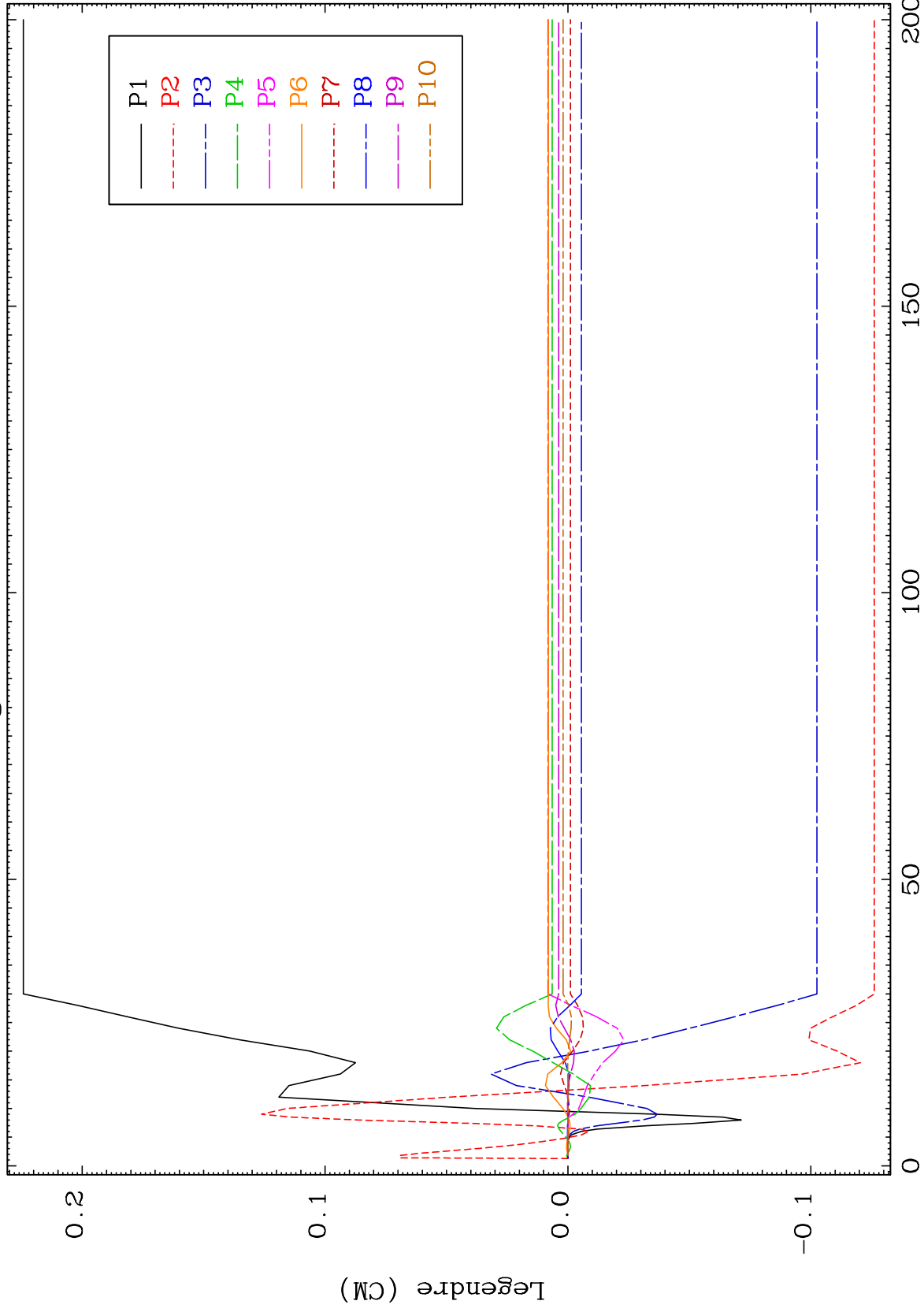
Incident Energy (MeV)

92

MAT 5534

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

55-Cs-136



93

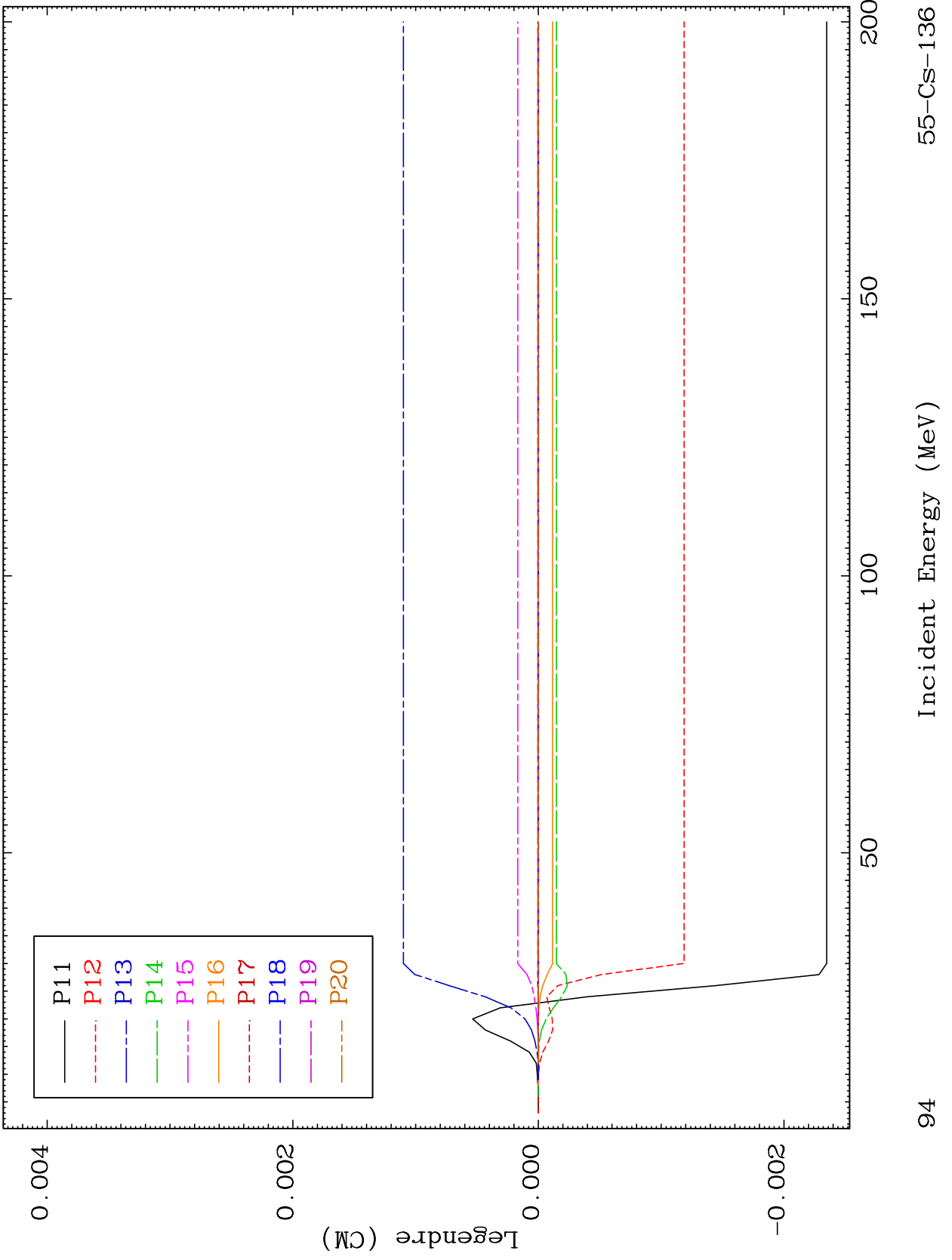
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

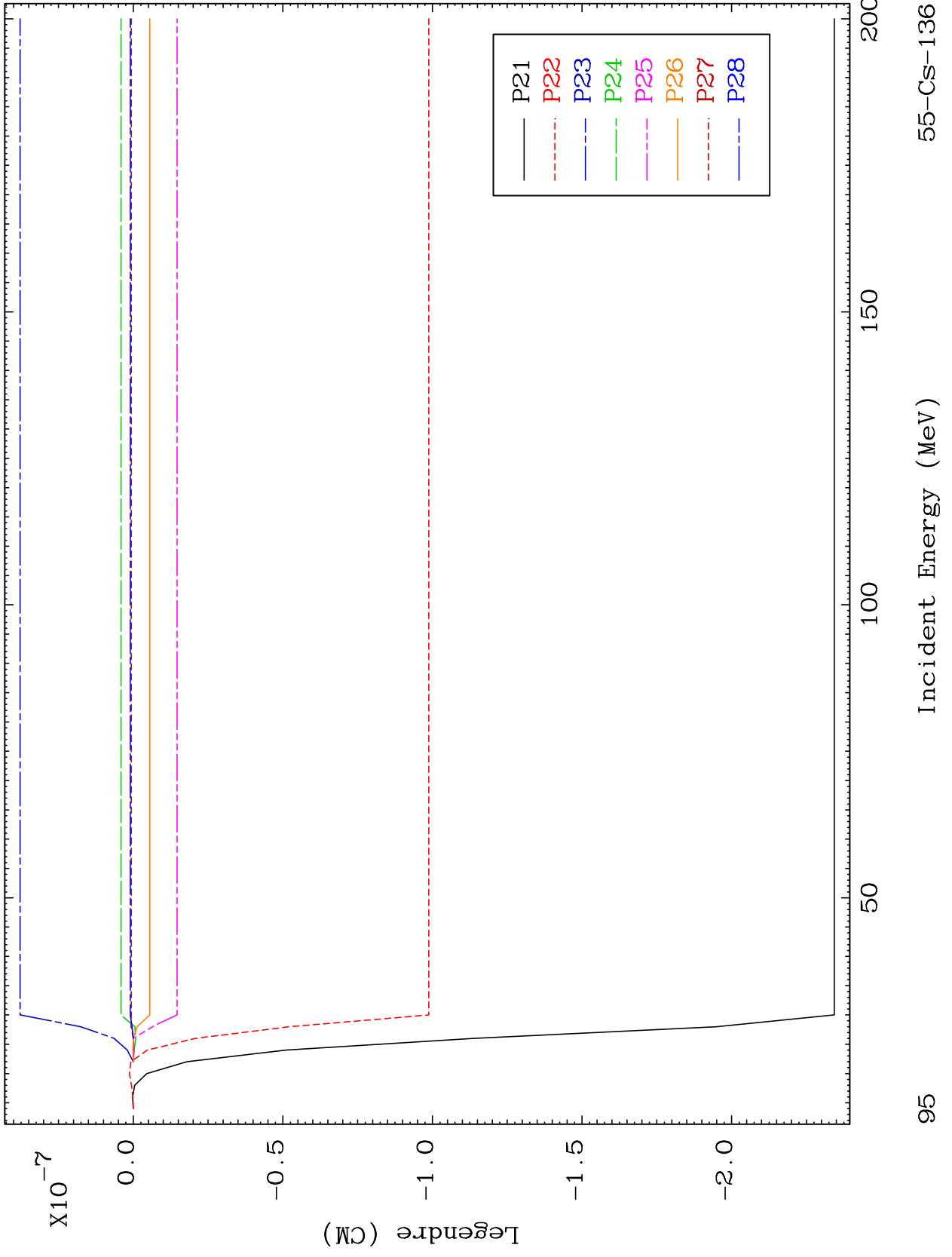
55-Cs-136



MAT 5534

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

55-Cs-136



95

Incident Energy (MeV)

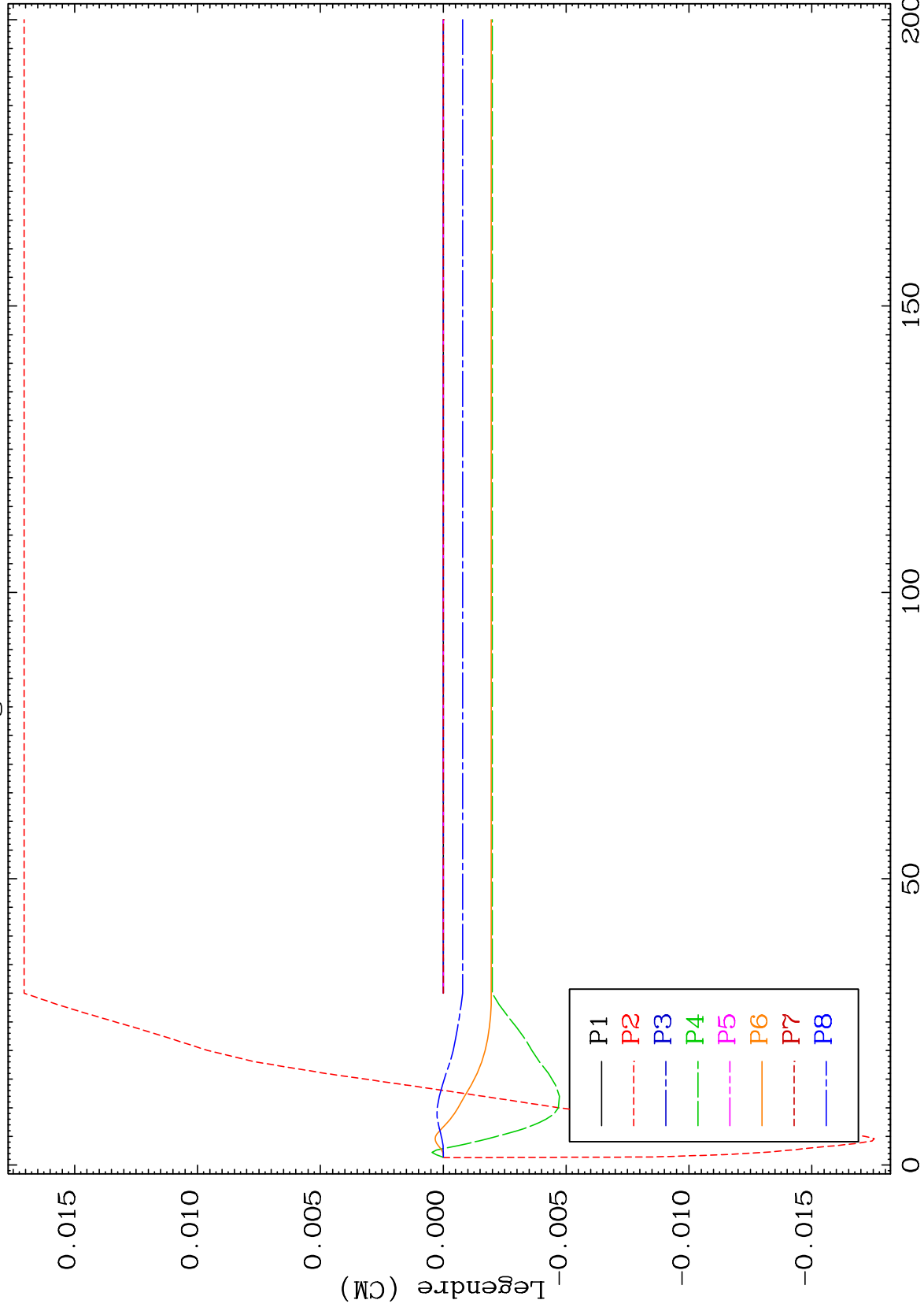
55-Cs-136



MAT 5534

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

55-Cs-136



96

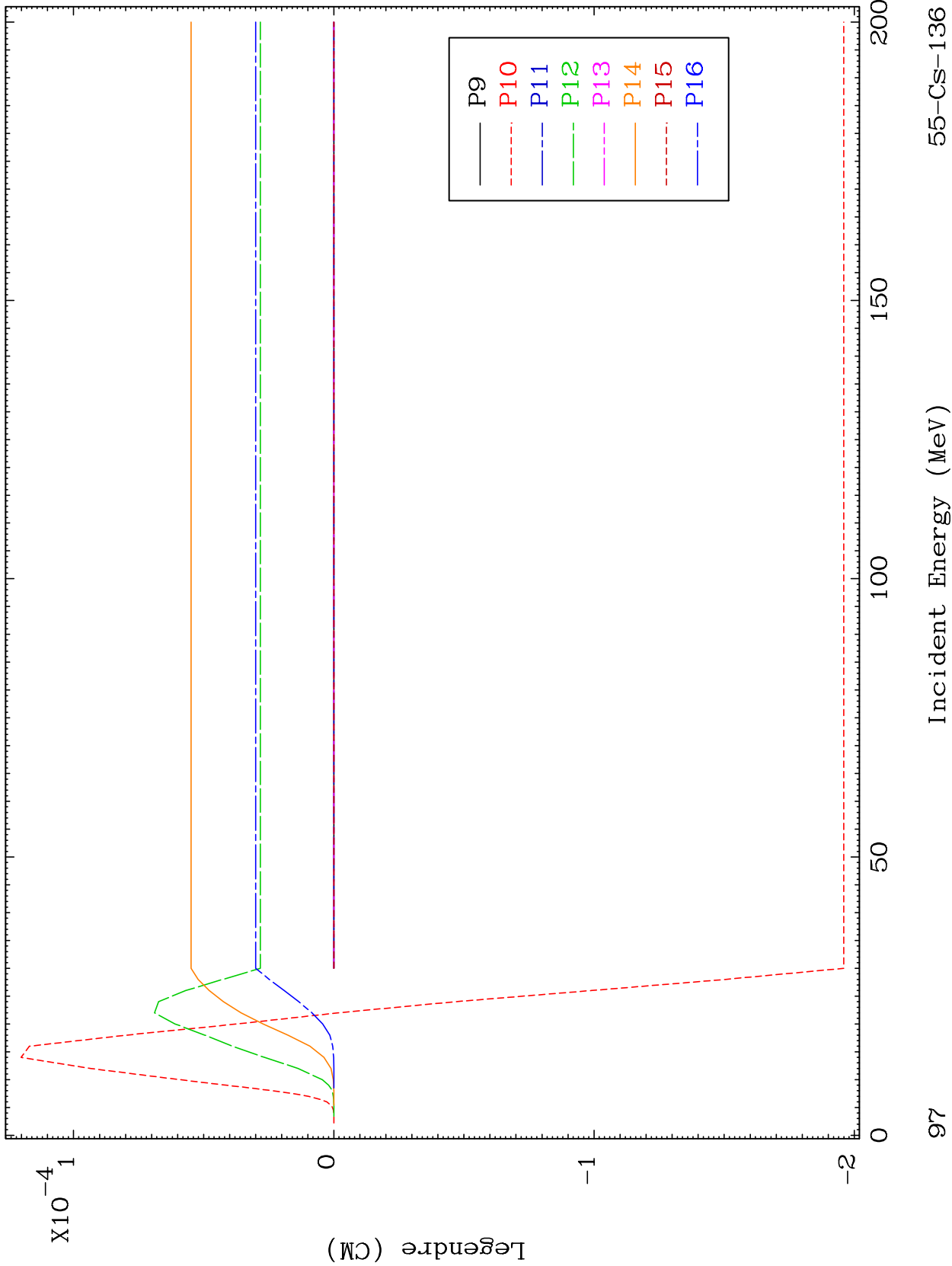
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



97

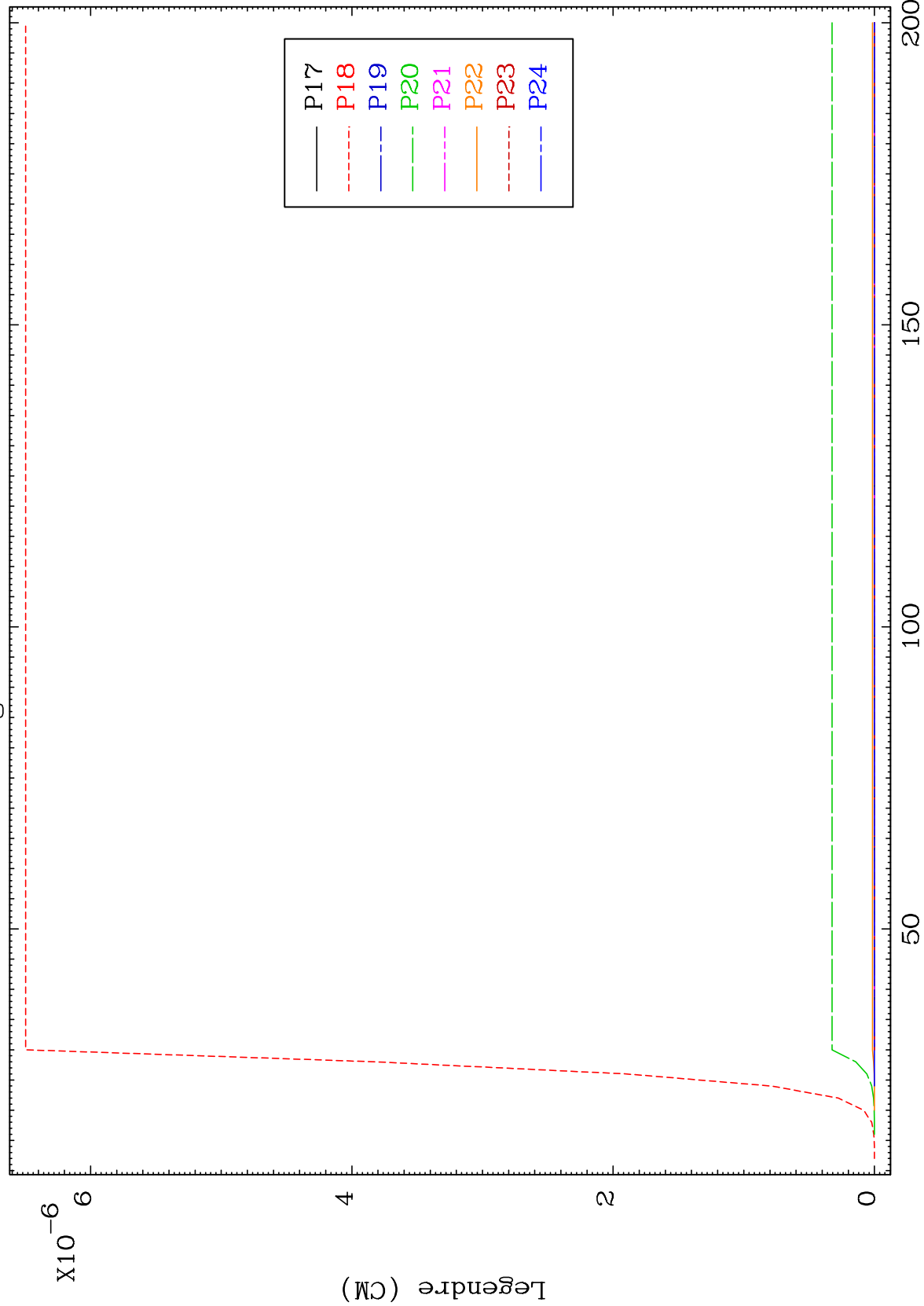
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



55-Cs-136

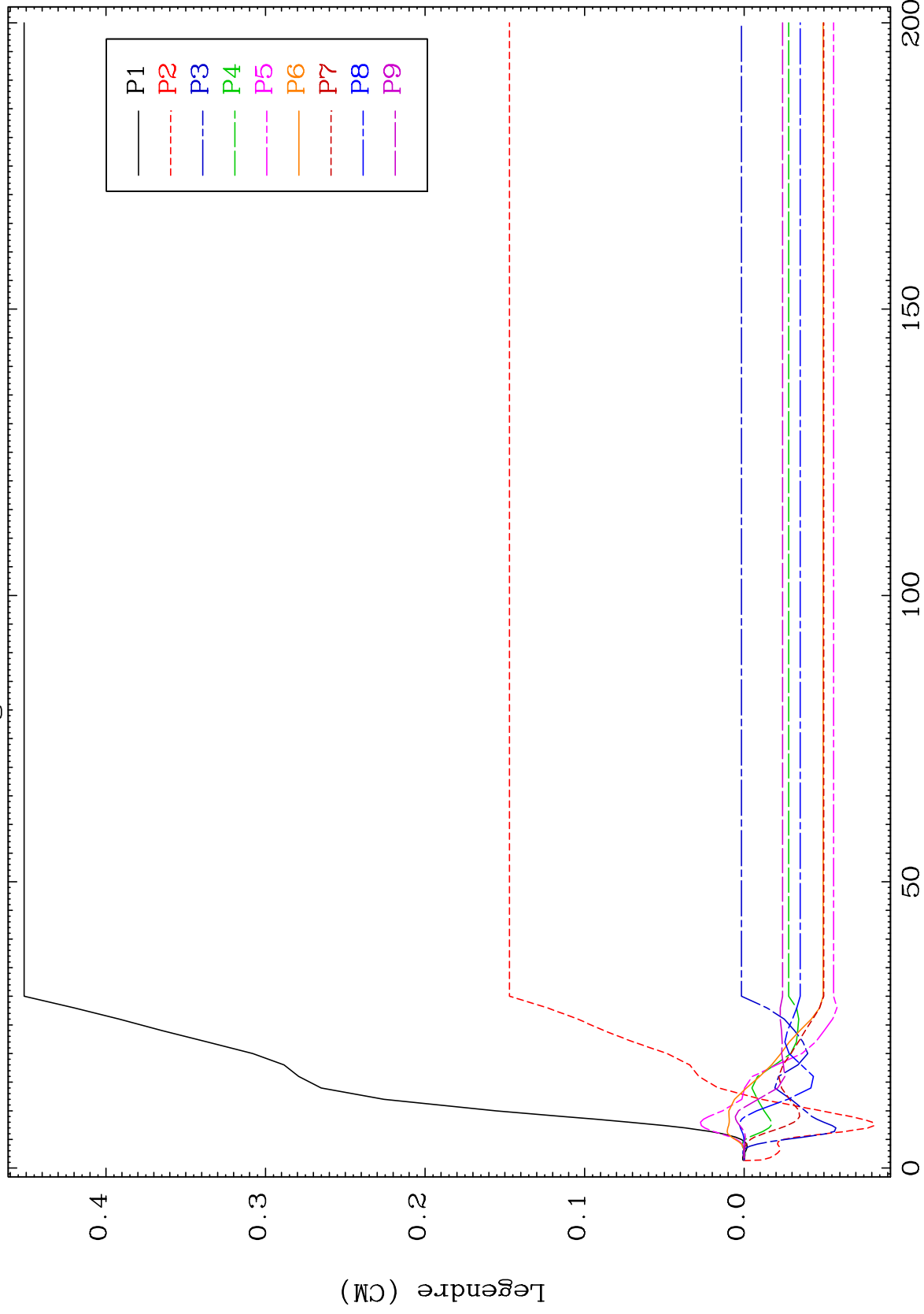
Incident Energy (MeV)

98

MAT 5534

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

55-Cs-136



99

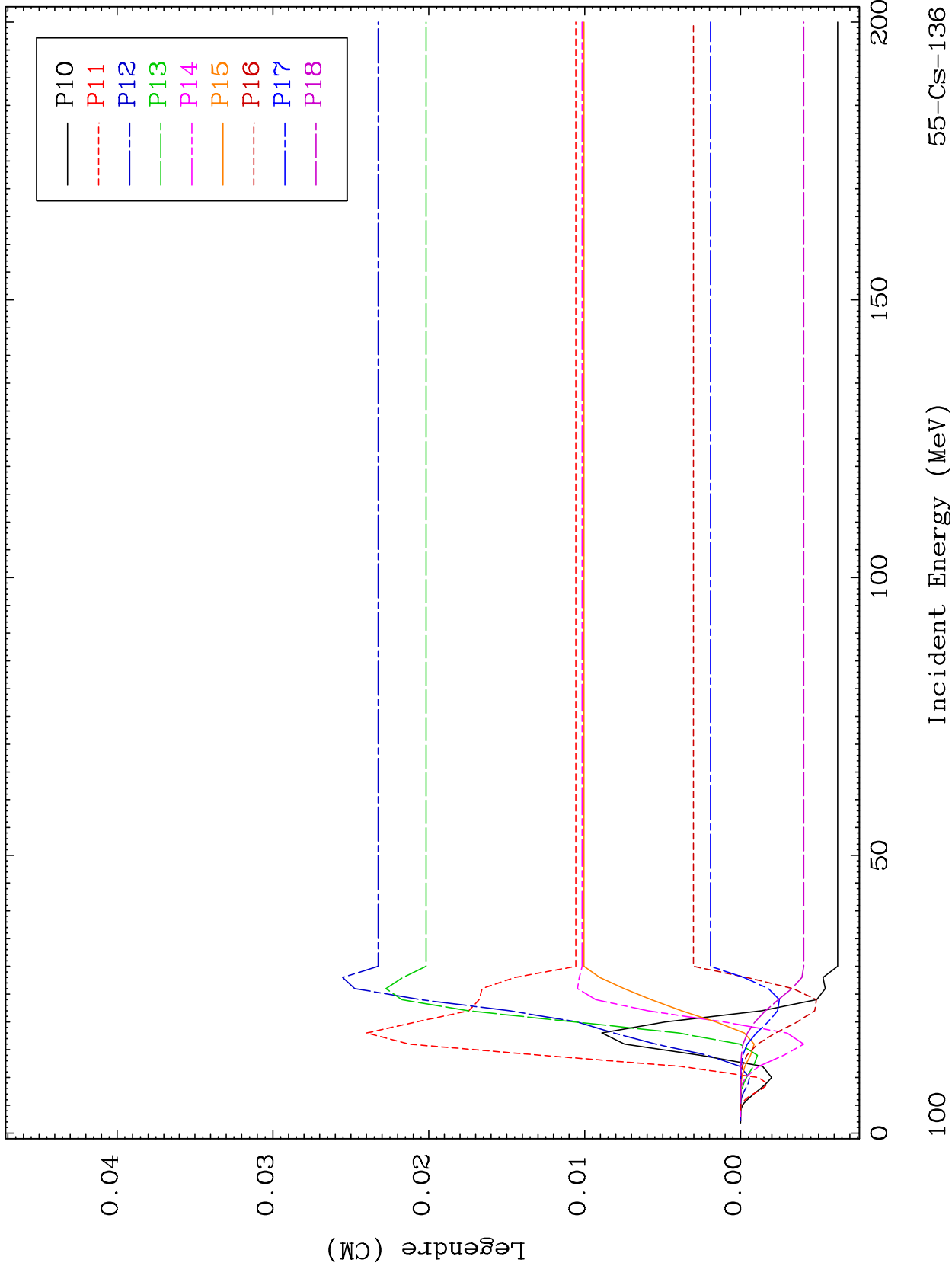
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136

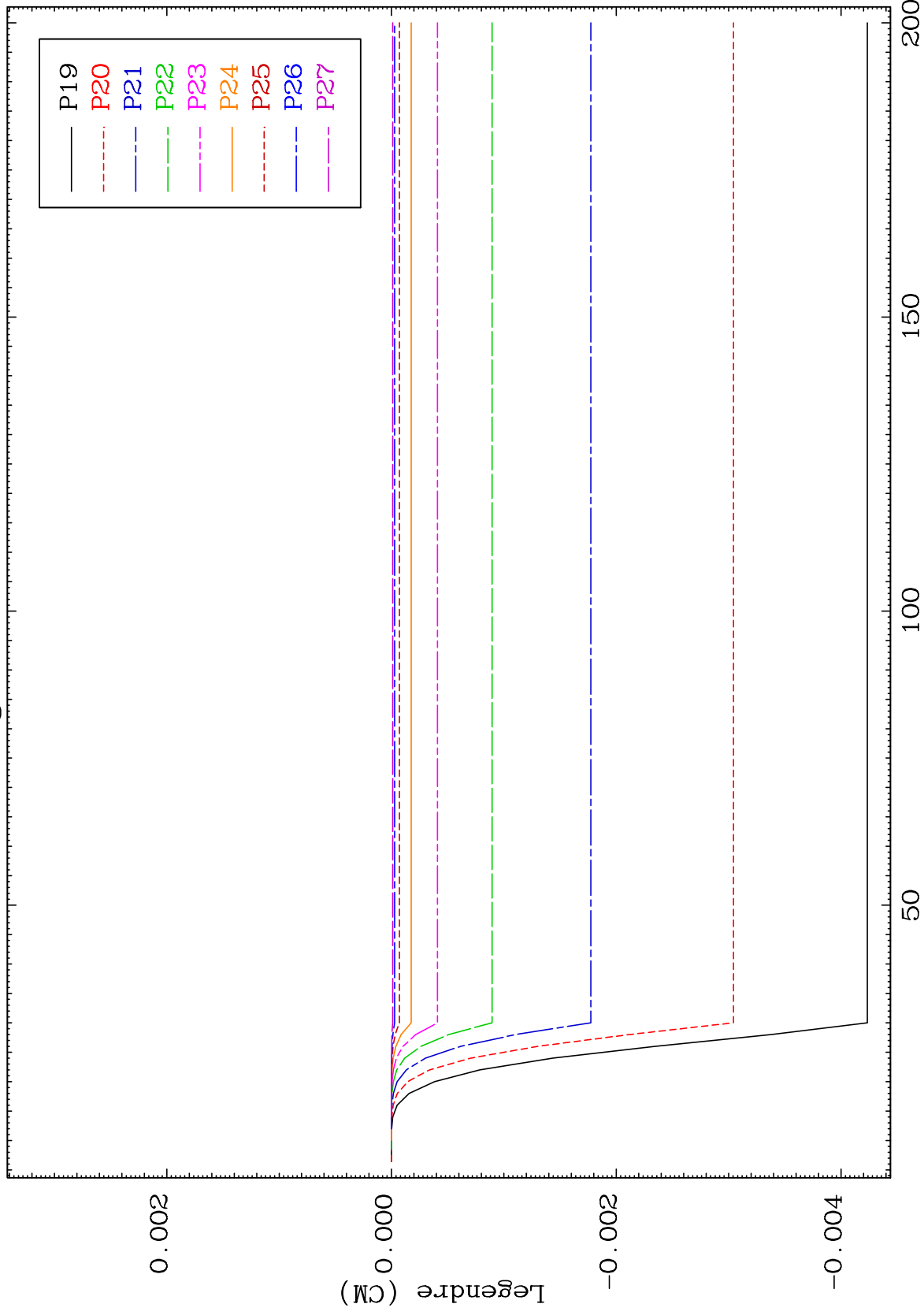


55-Cs-136

MAT 5534

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

55-Cs-136



101

Incident Energy (MeV)

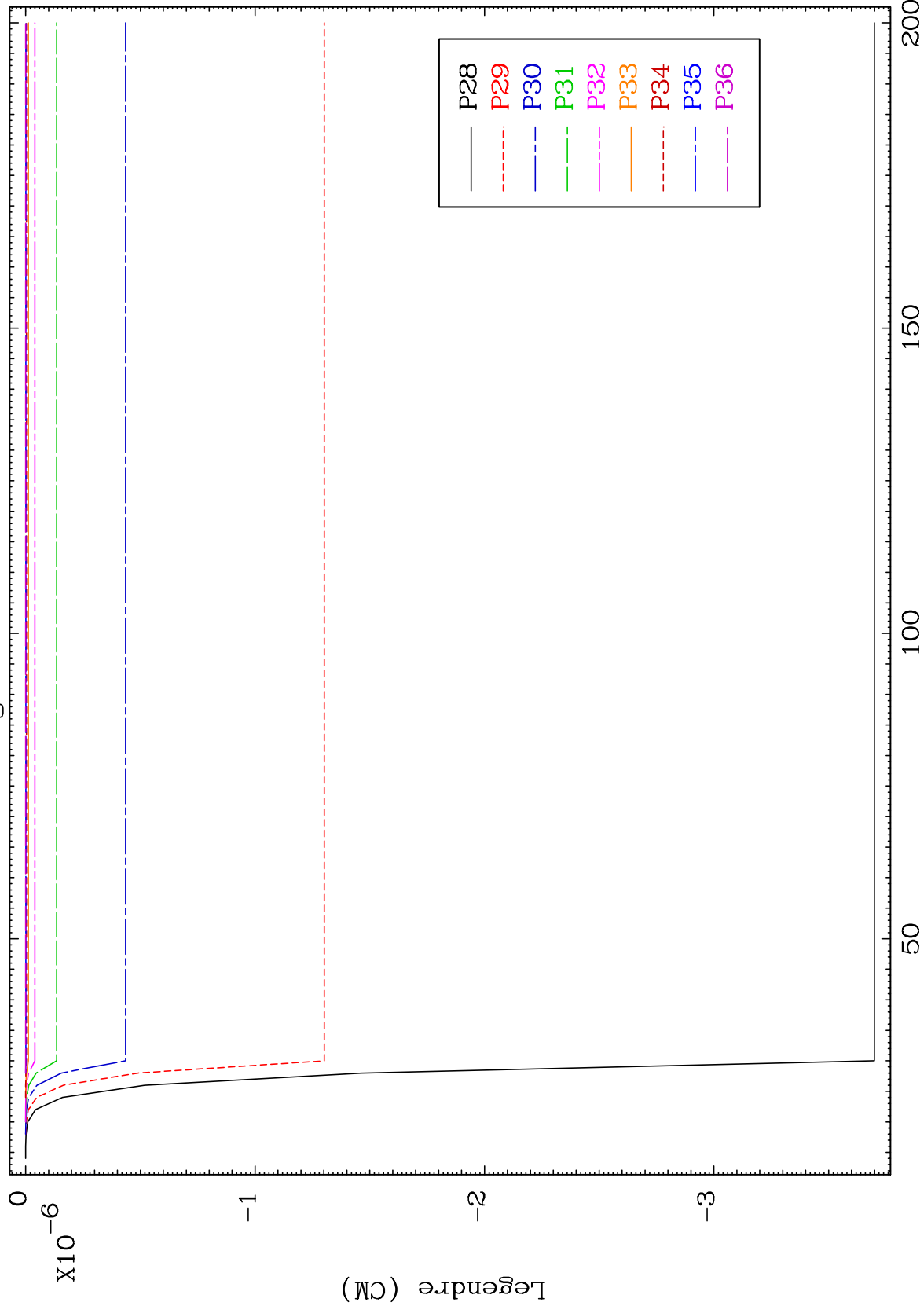
55-Cs-136

MAT 5534

MT= 75 (n,n') Level

55-Cs-136

Legendre Coefficients



55-Cs-136

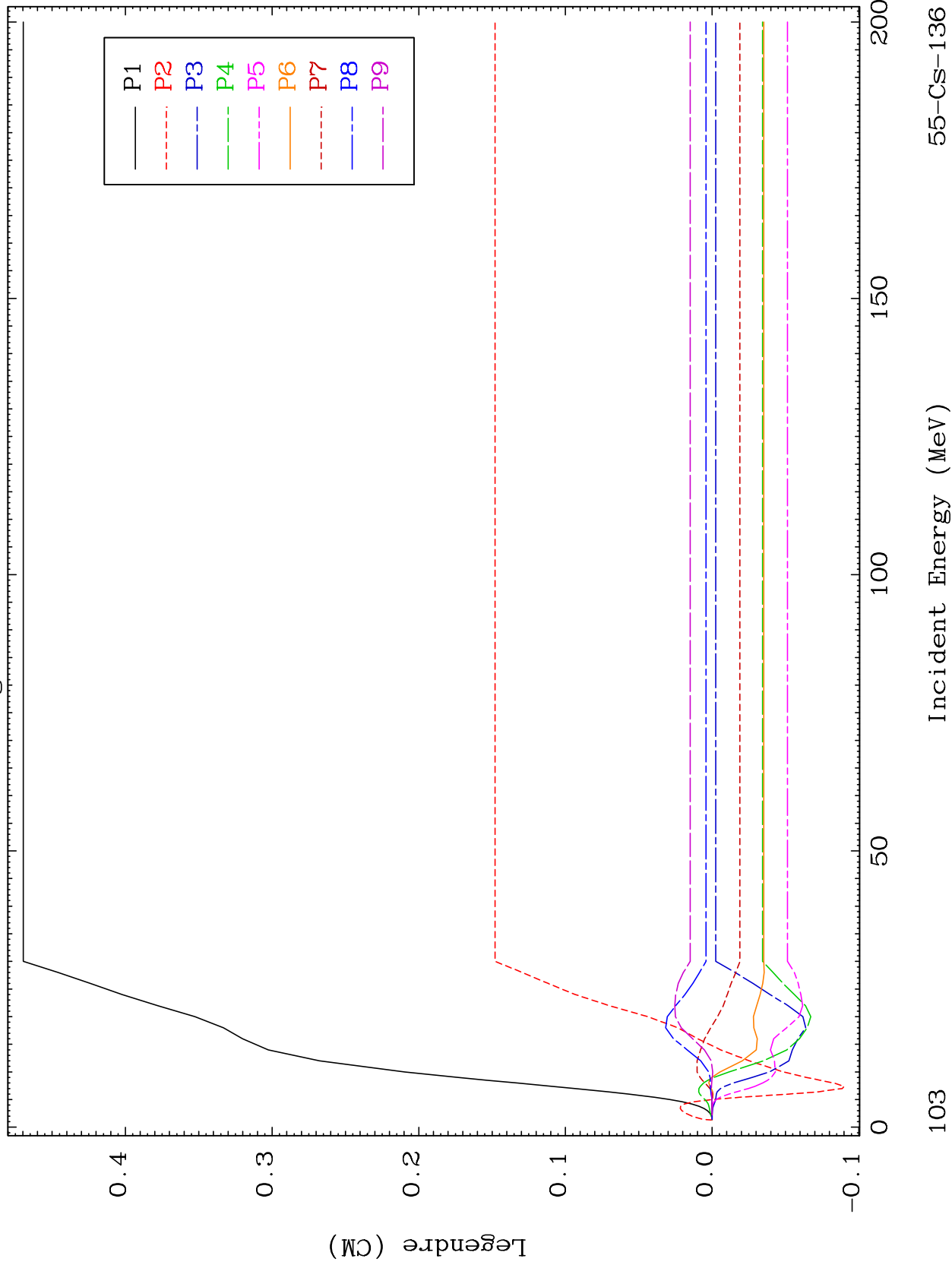
Incident Energy (MeV)

102

MAT 5534

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

55-Cs-136



55-Cs-136

Incident Energy (MeV)

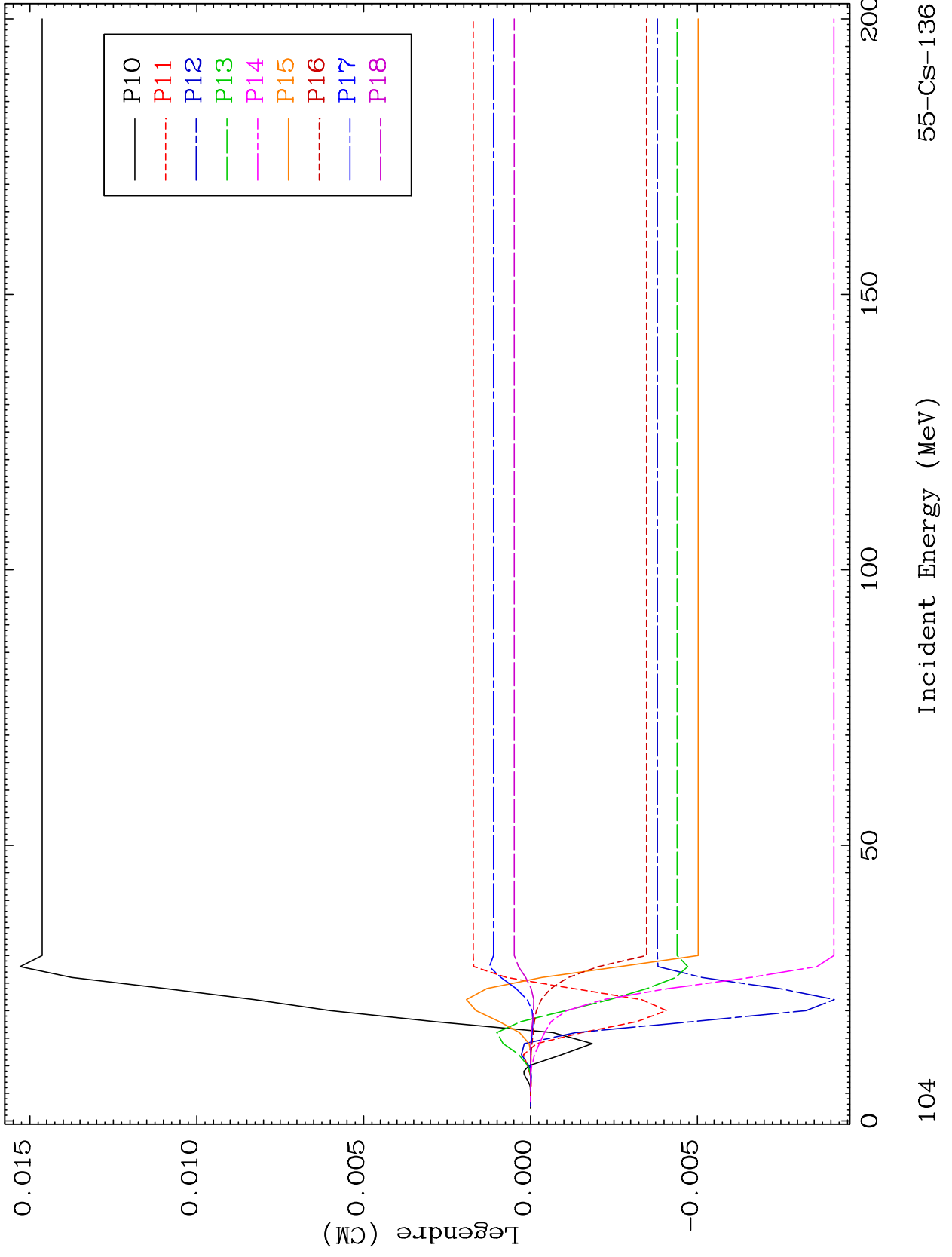
103



MAT 5534

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

55-Cs-136



104

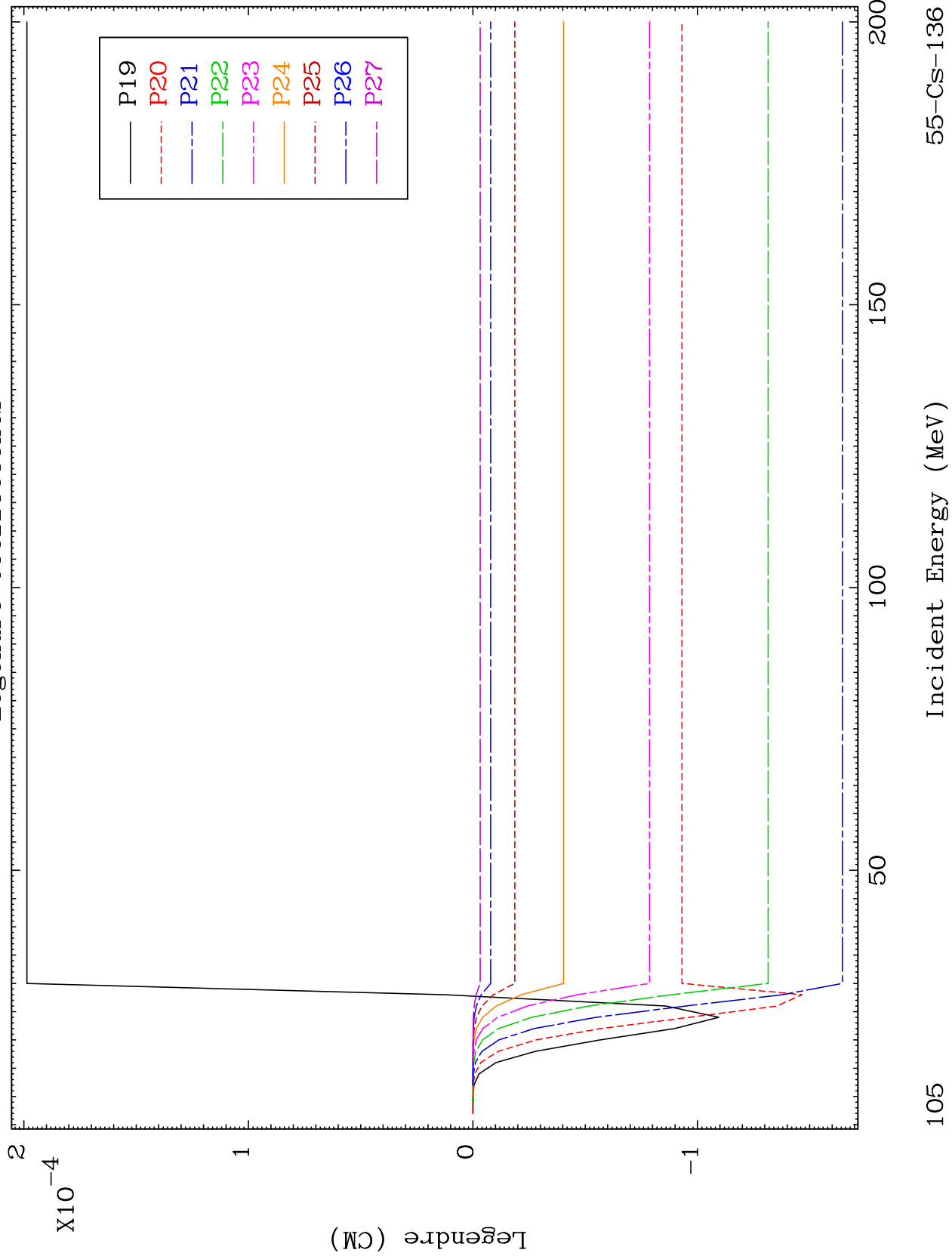
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



105

Incident Energy (MeV)

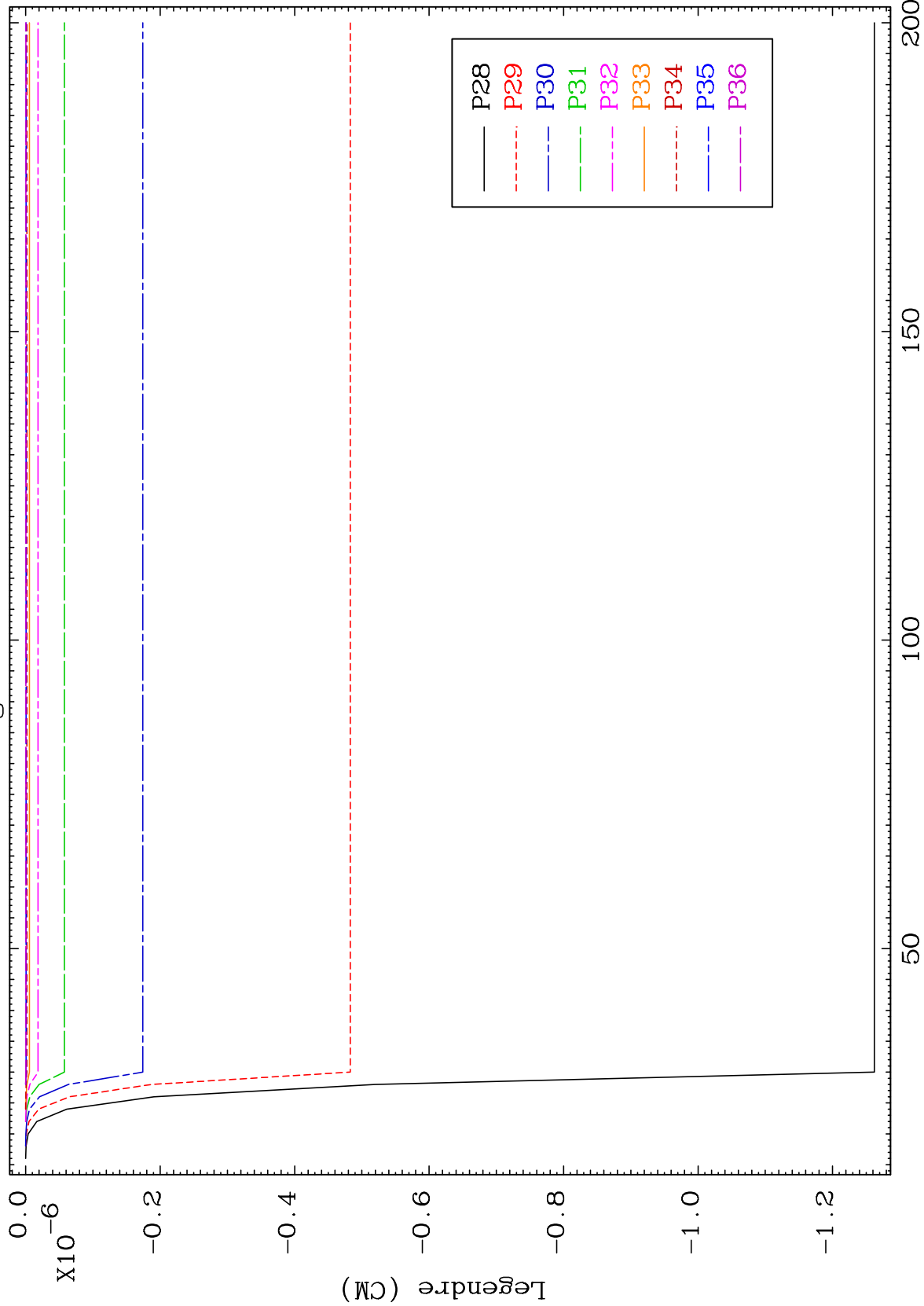
55-Cs-136

MAT 5534

MT= 76 (n,n') Level

55-Cs-136

Legendre Coefficients



55-Cs-136

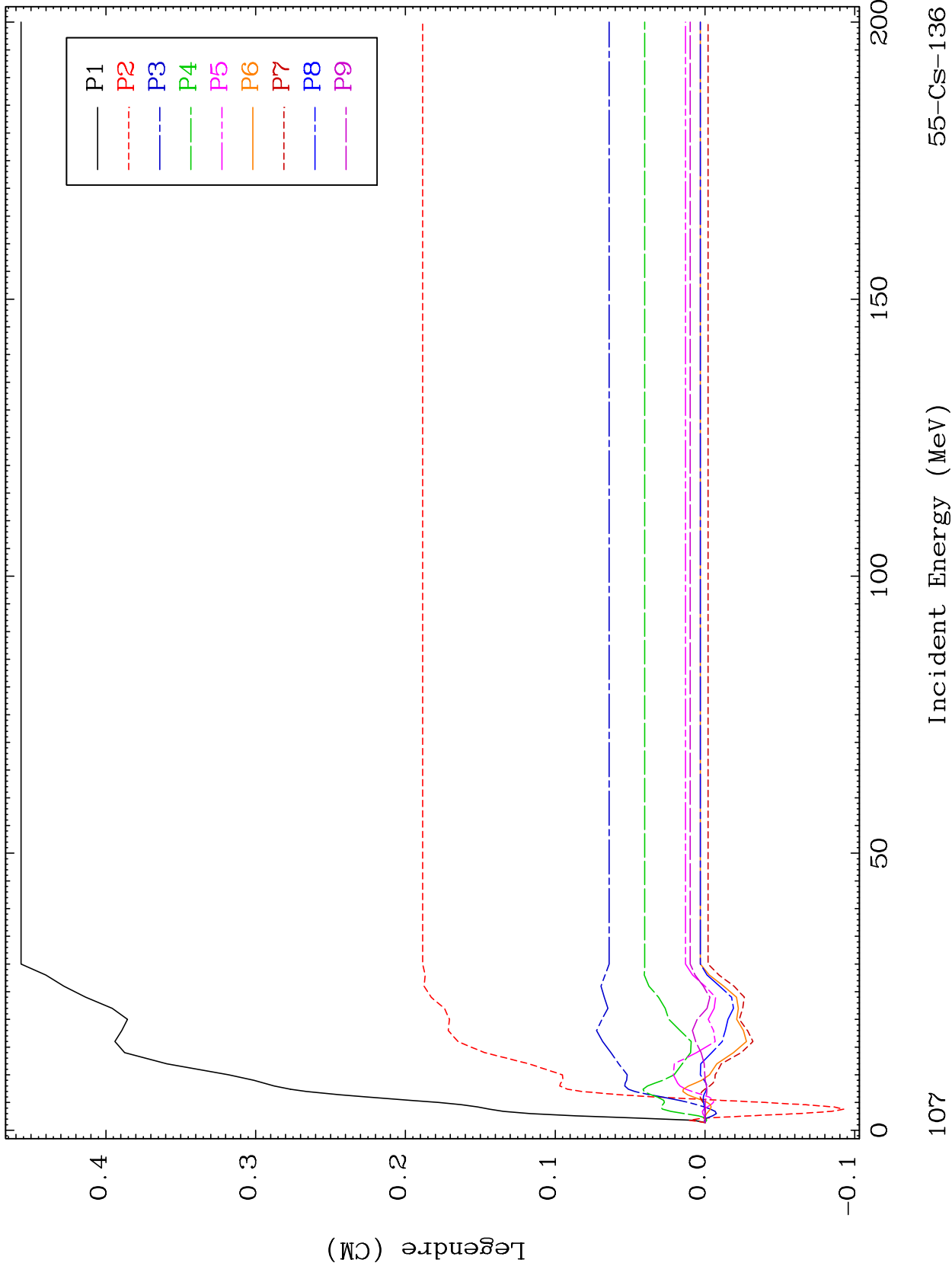
Incident Energy (MeV)

106

MAT 5534

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

55-Cs-136



55-Cs-136

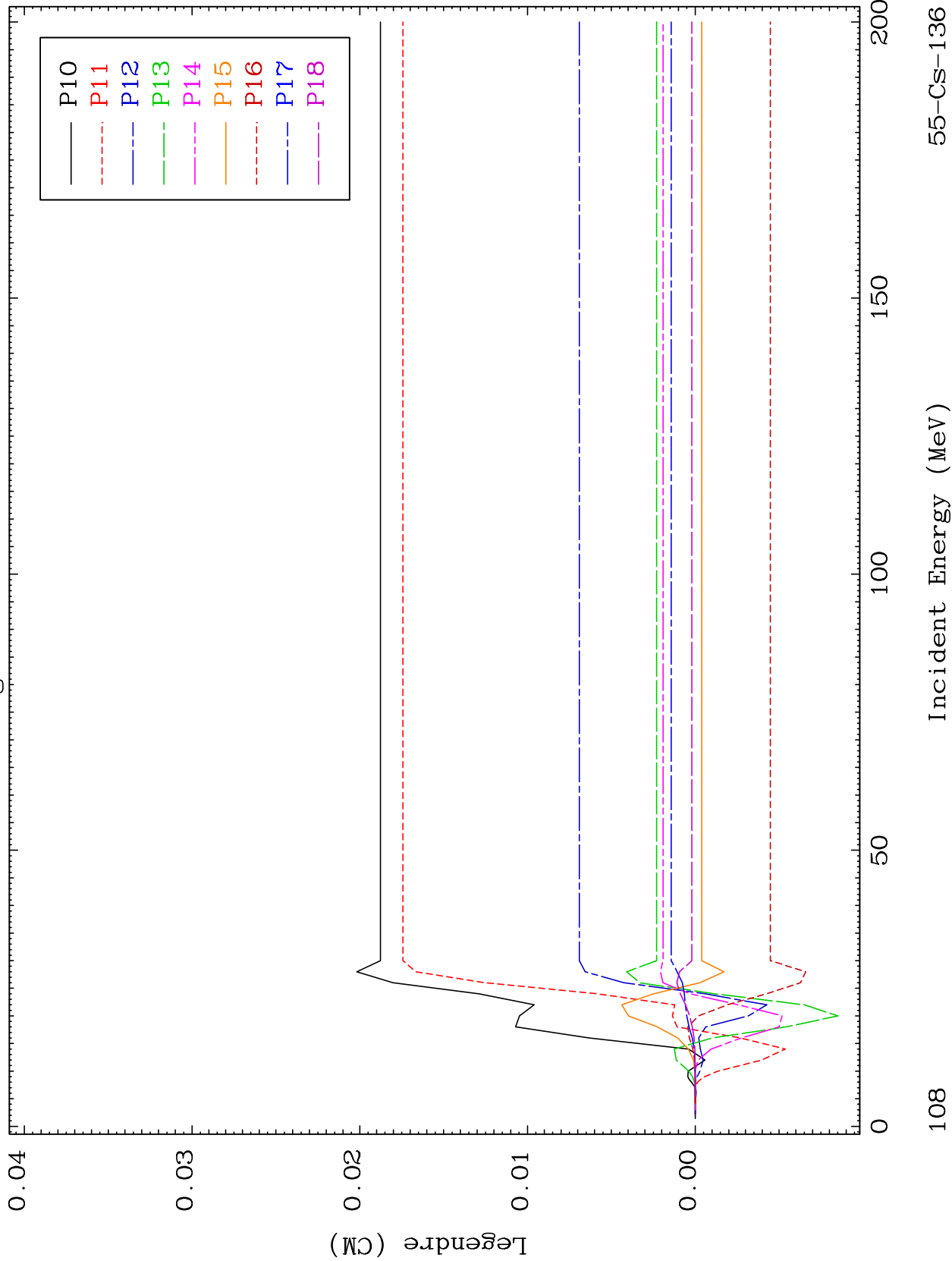
Incident Energy (MeV)

107

MAT 5534

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

55-Cs-136



55-Cs-136

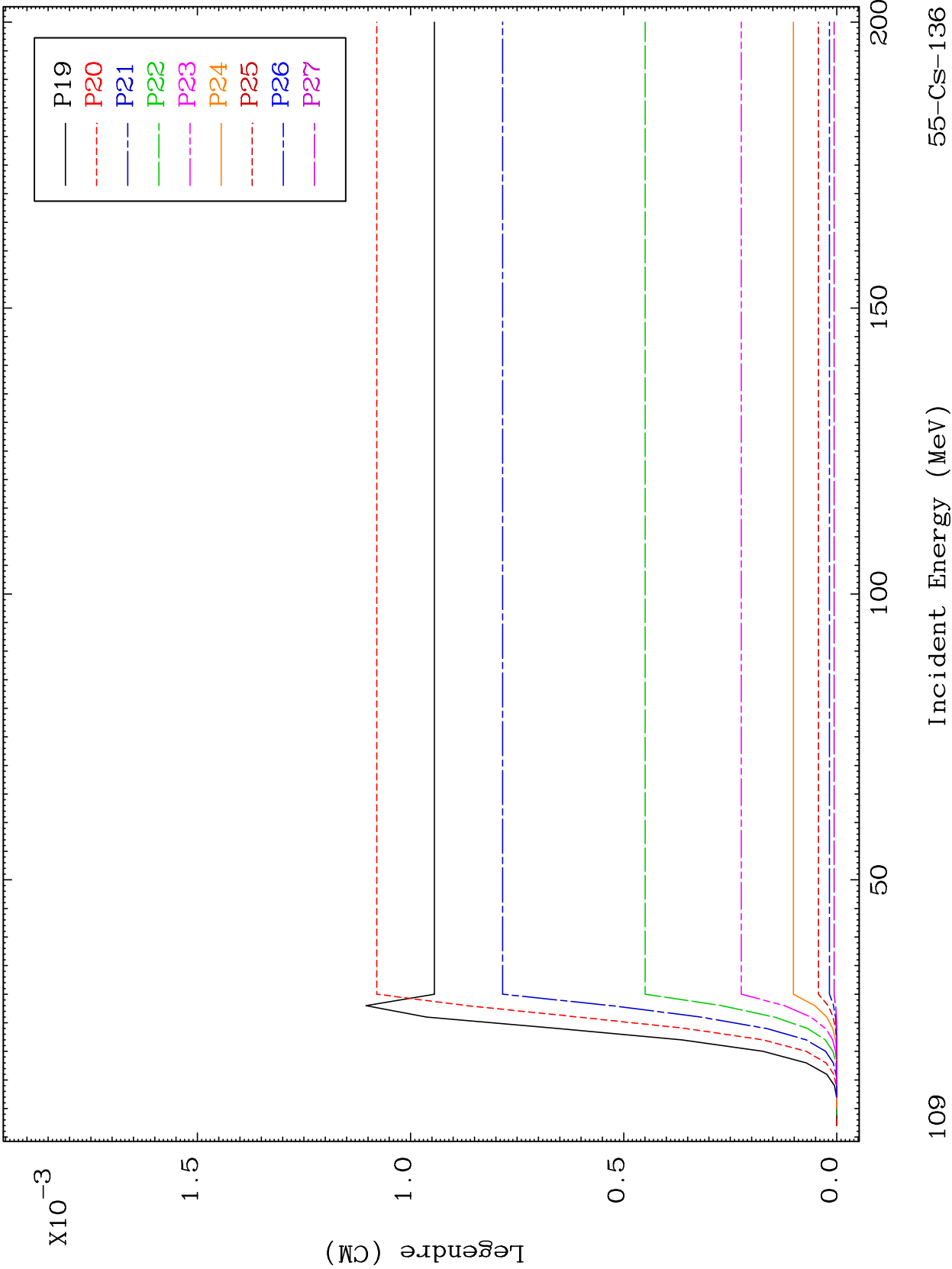
Incident Energy (MeV)

108

MAT 5534

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

55-Cs-136



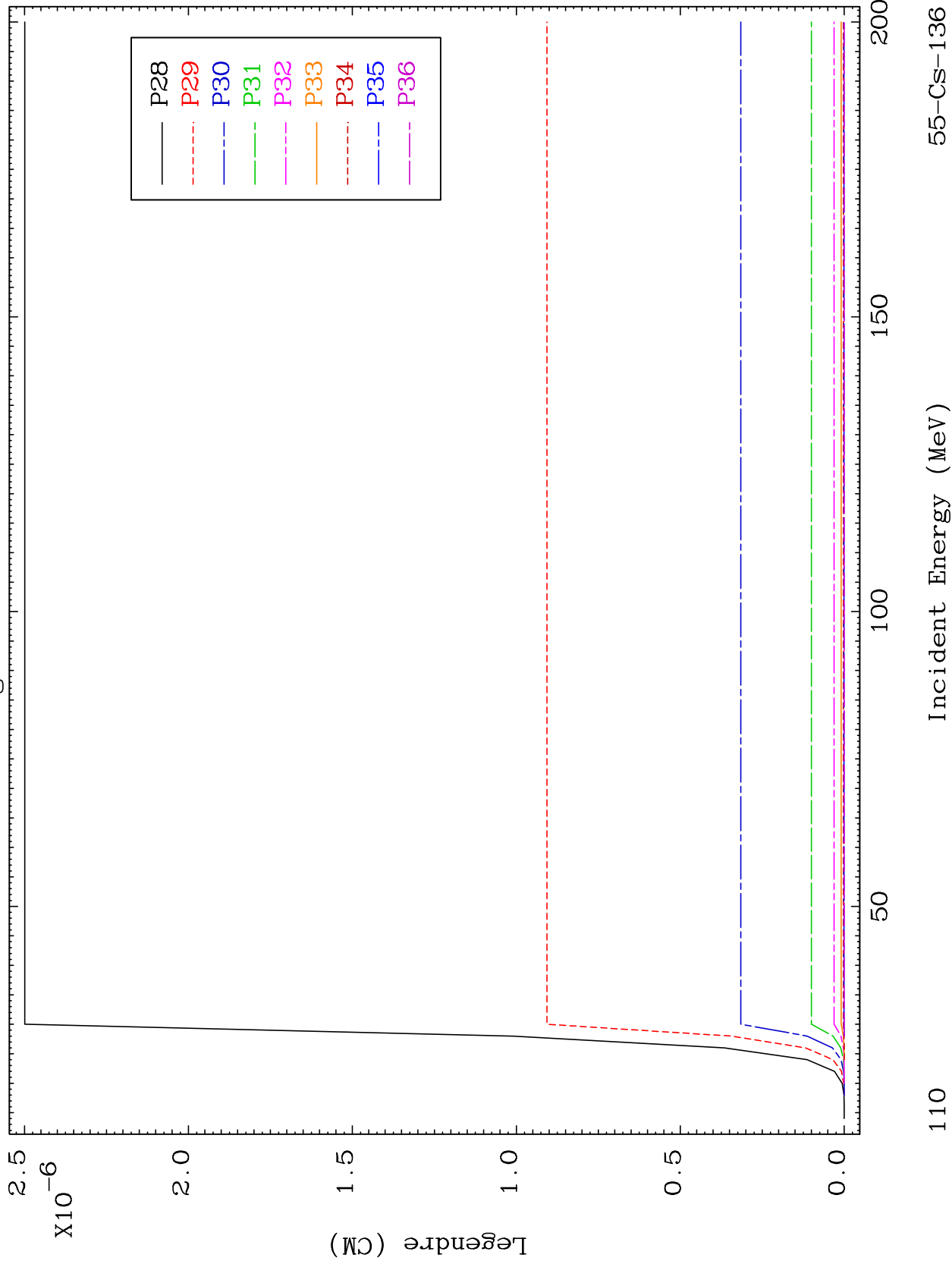
109

55-Cs-136

MAT 5534

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

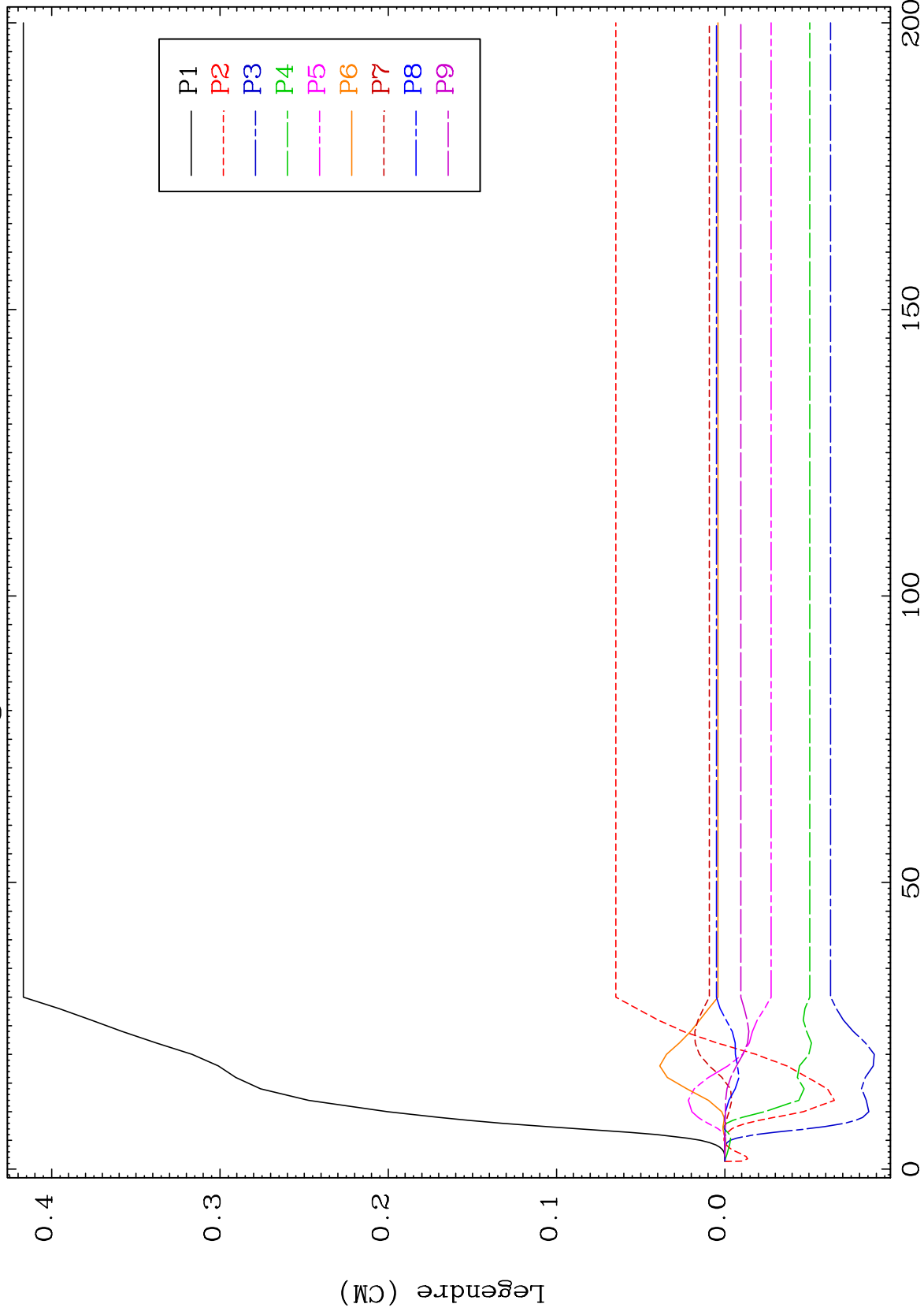
55-Cs-136



MAT 5534

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

55-Cs-136

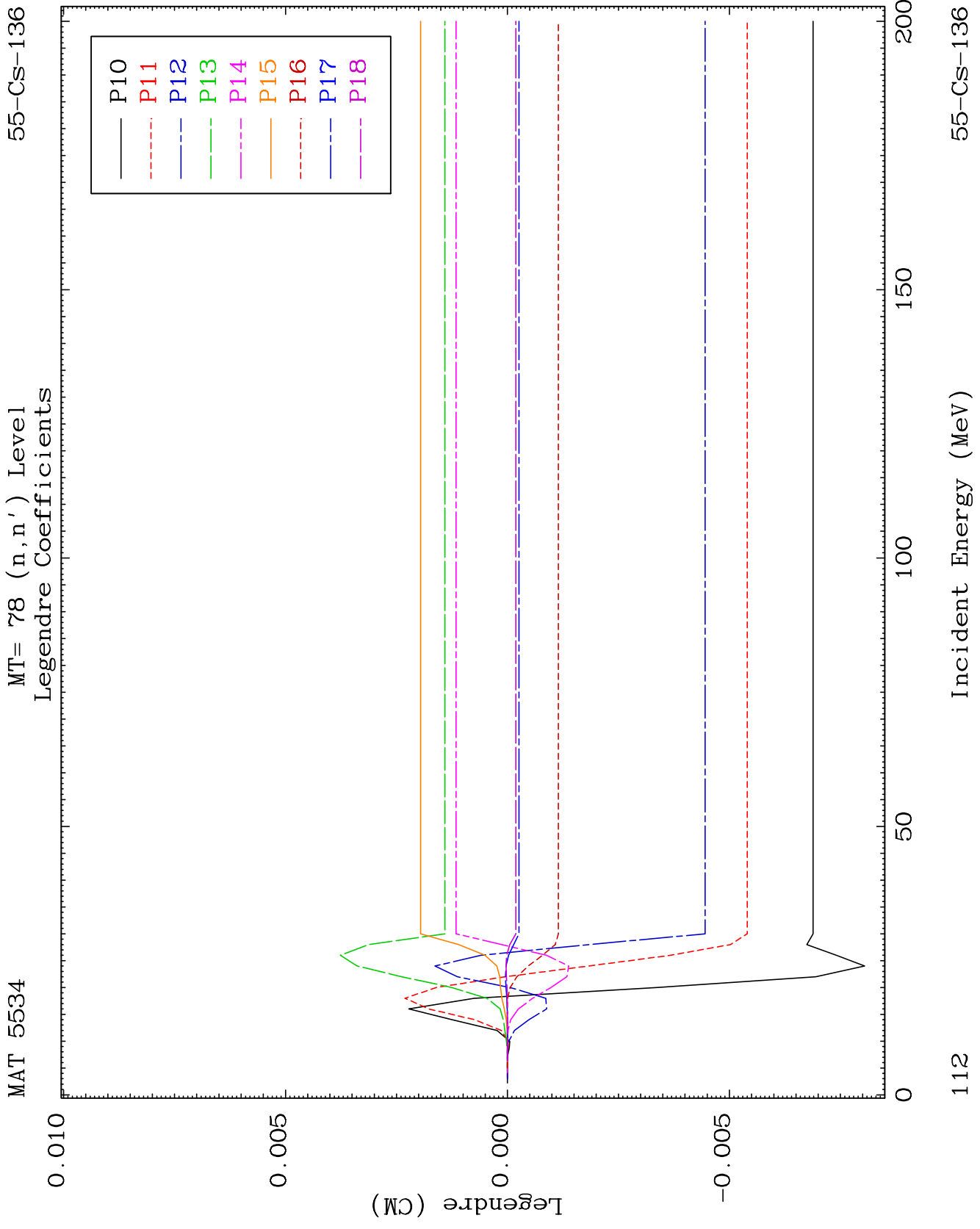


111

Incident Energy (MeV)

55-Cs-136

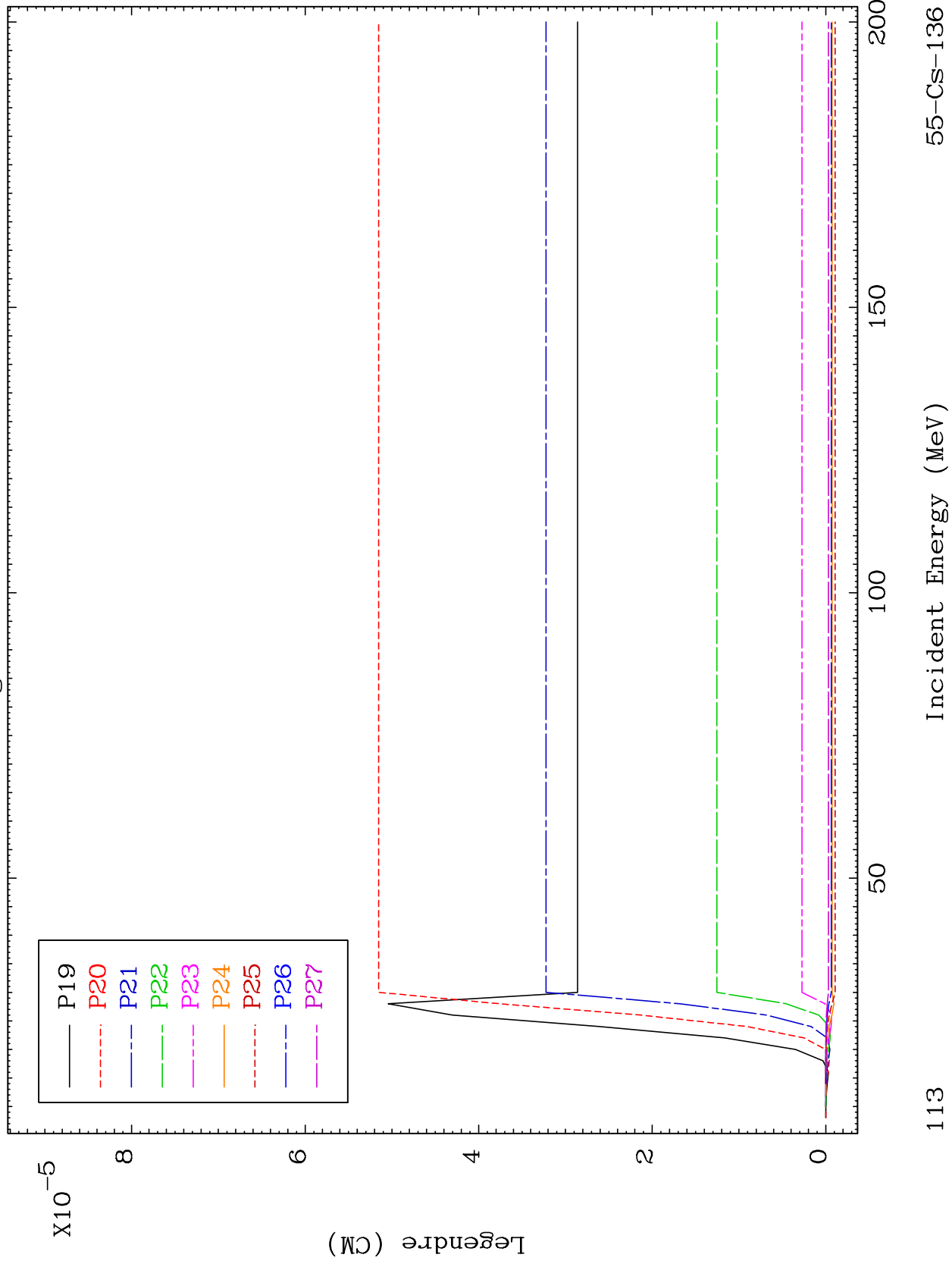




MAT 5534

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

55-Cs-136

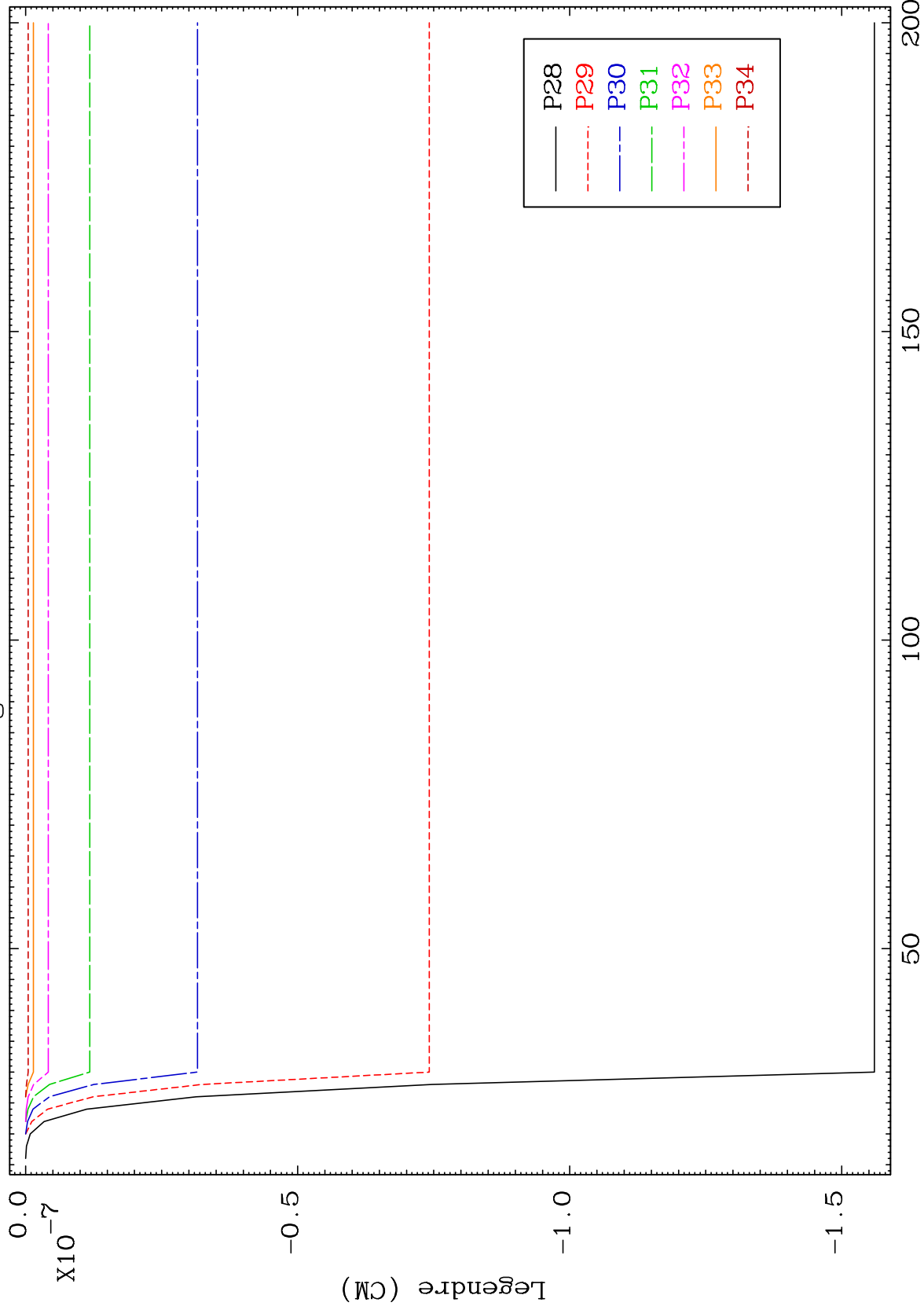


MAT 5534

MT= 78 (n,n') Level

55-Cs-136

Legendre Coefficients



55-Cs-136

Incident Energy (MeV)

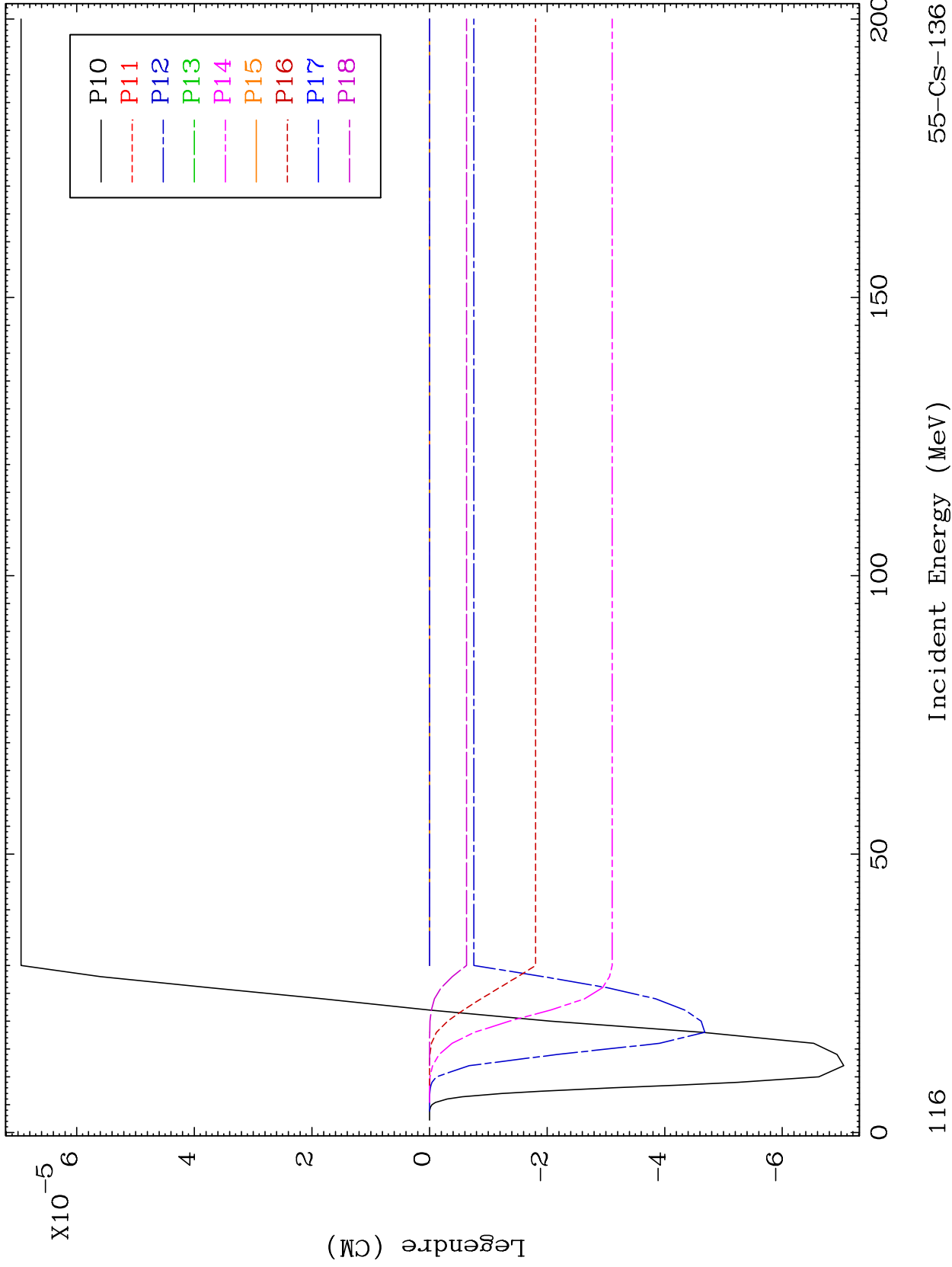
114



MAT 5534

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

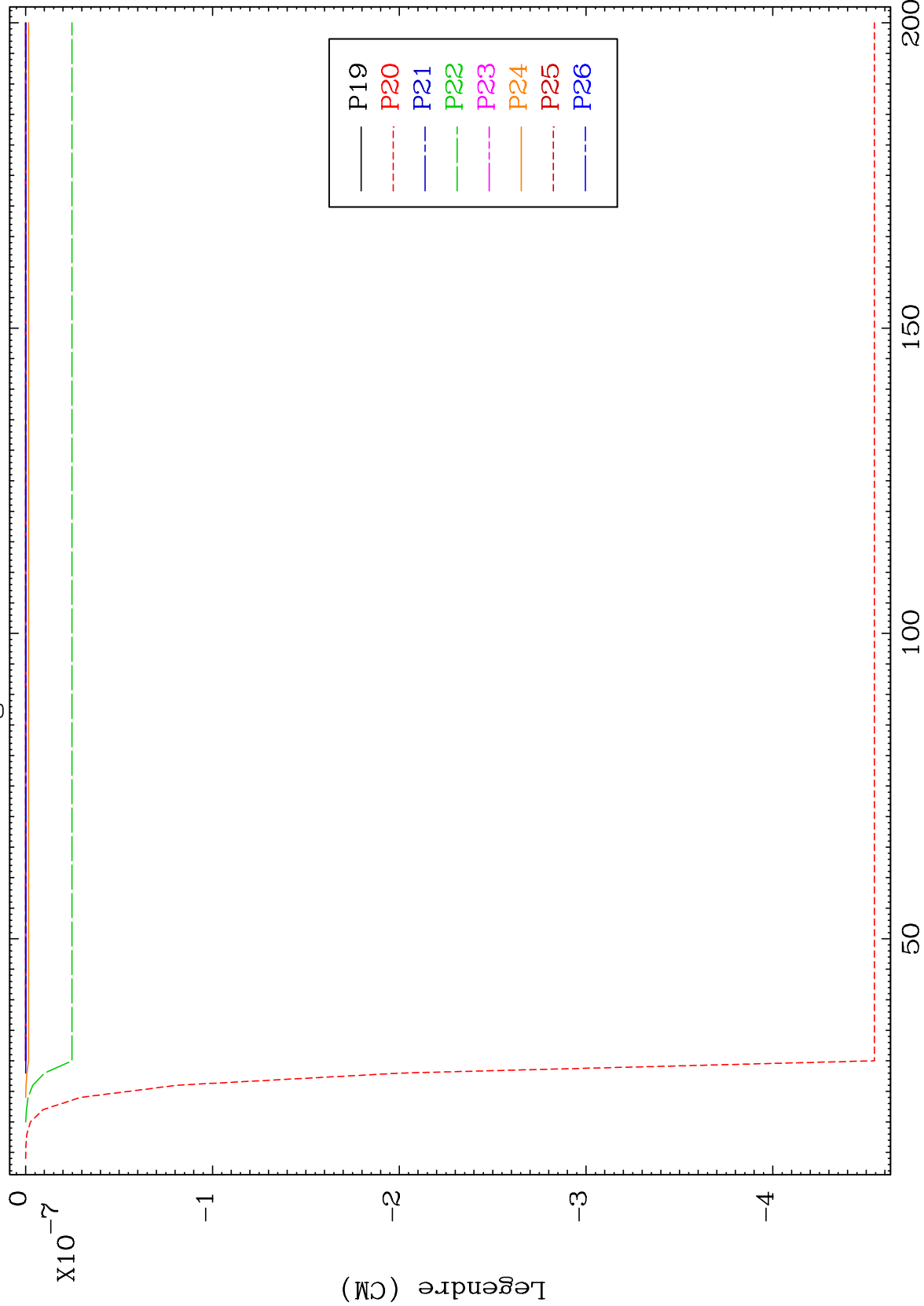
55-Cs-136



MAT 5534

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

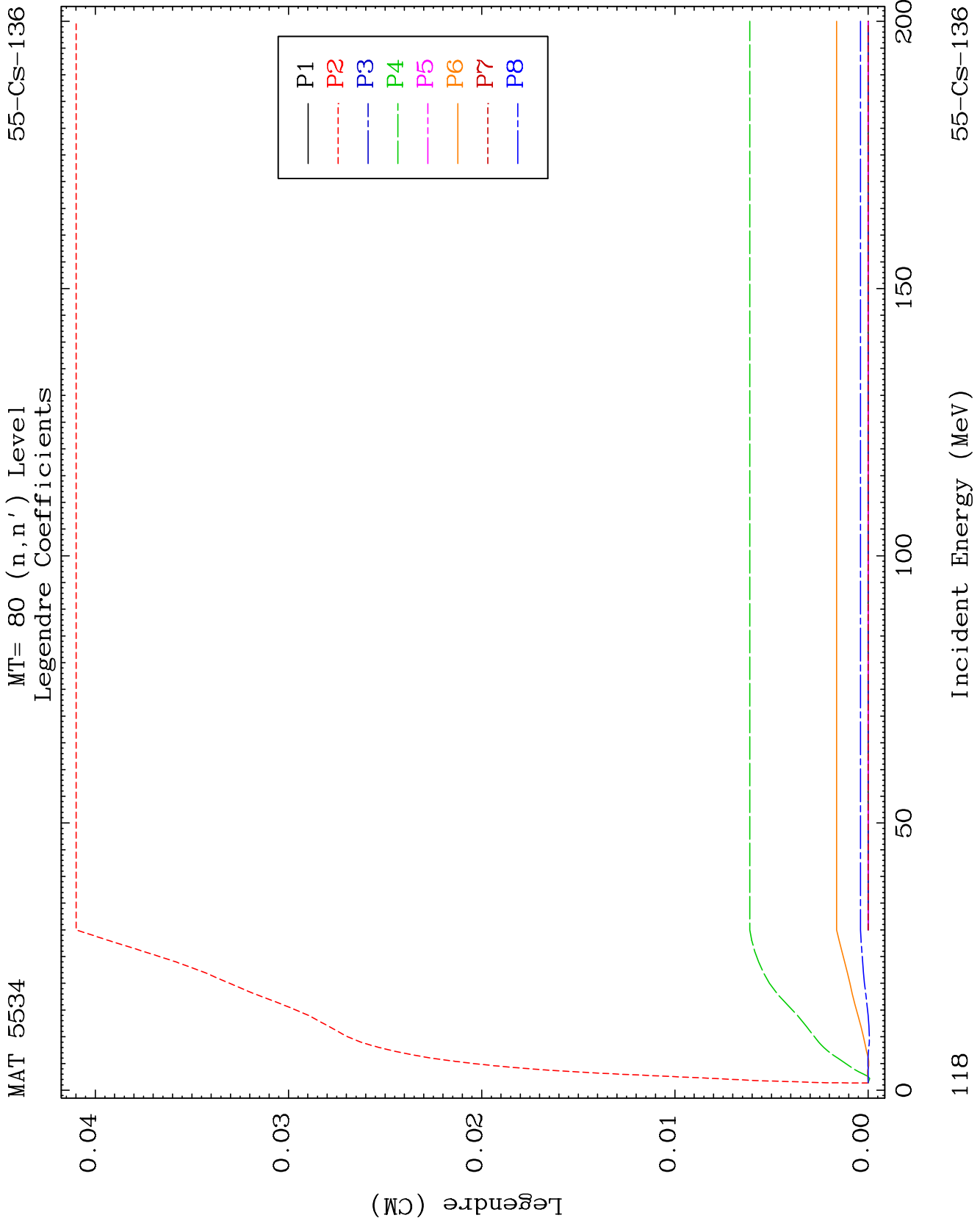
55-Cs-136



55-Cs-136

Incident Energy (MeV)

117



55-Cs-136

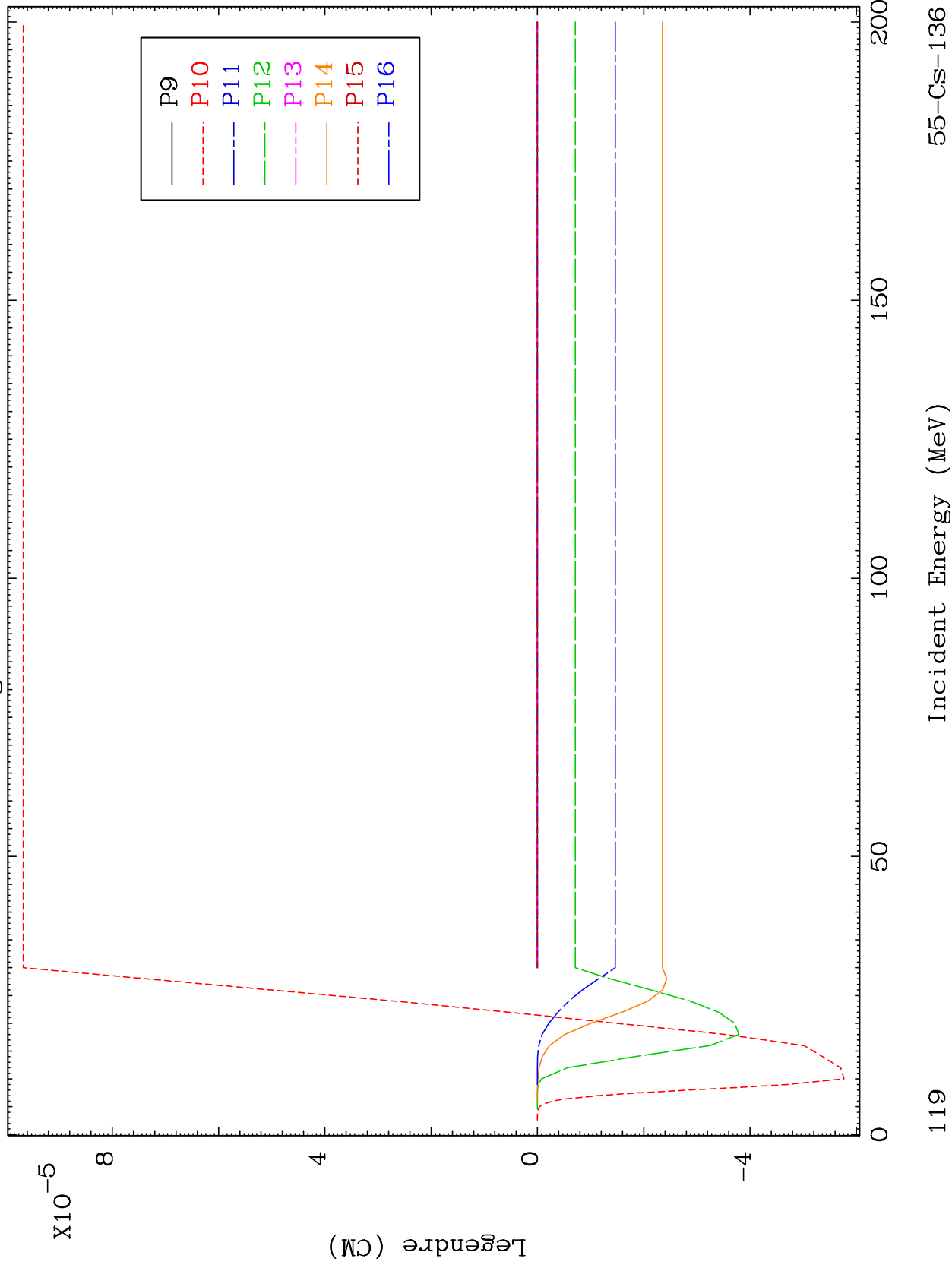
Incident Energy (MeV)

118

MAT 5534

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

55-Cs-136



55-Cs-136

Incident Energy (MeV)

119

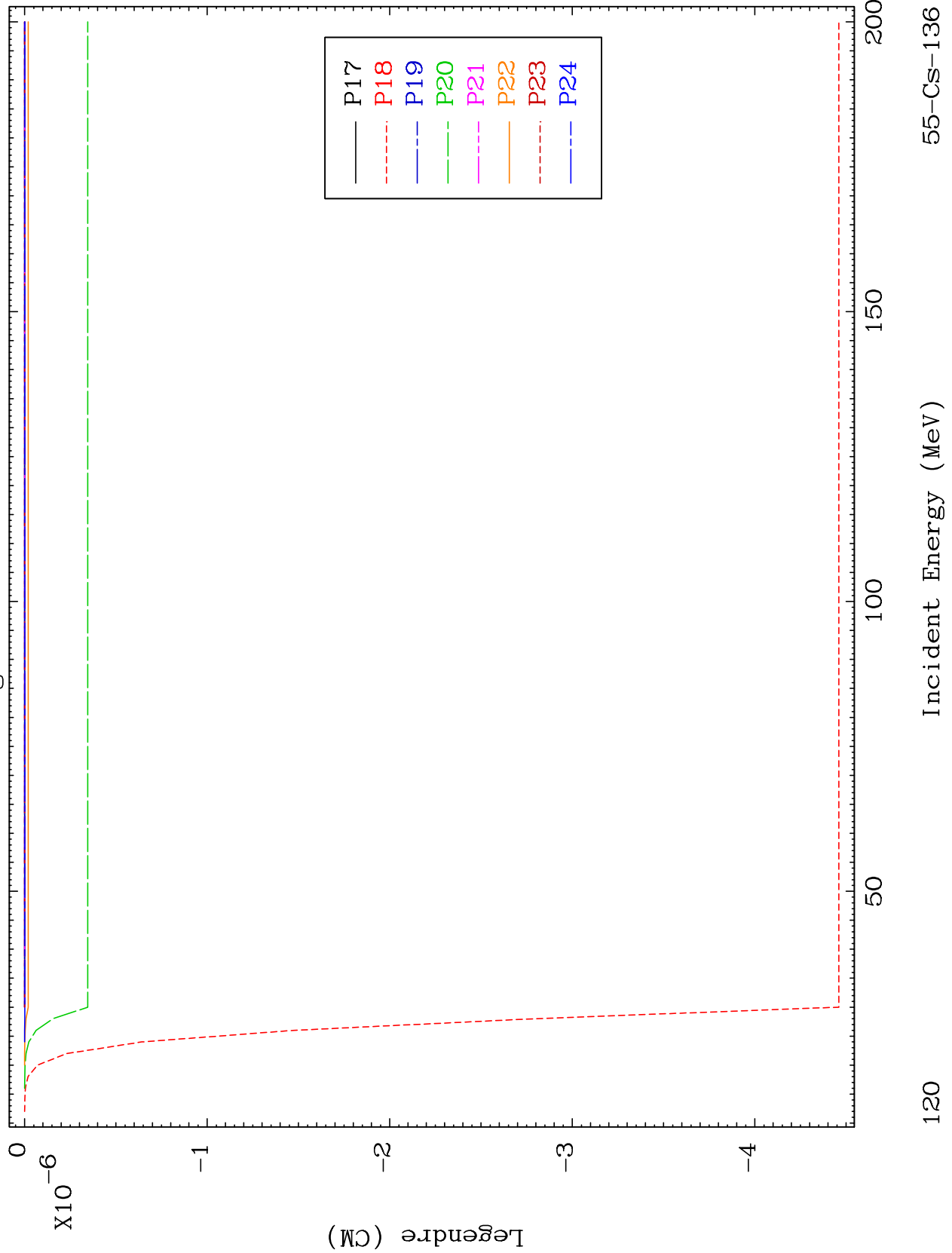


MAT 5534

MT= 80 (n,n') Level

55-Cs-136

Legendre Coefficients



55-Cs-136

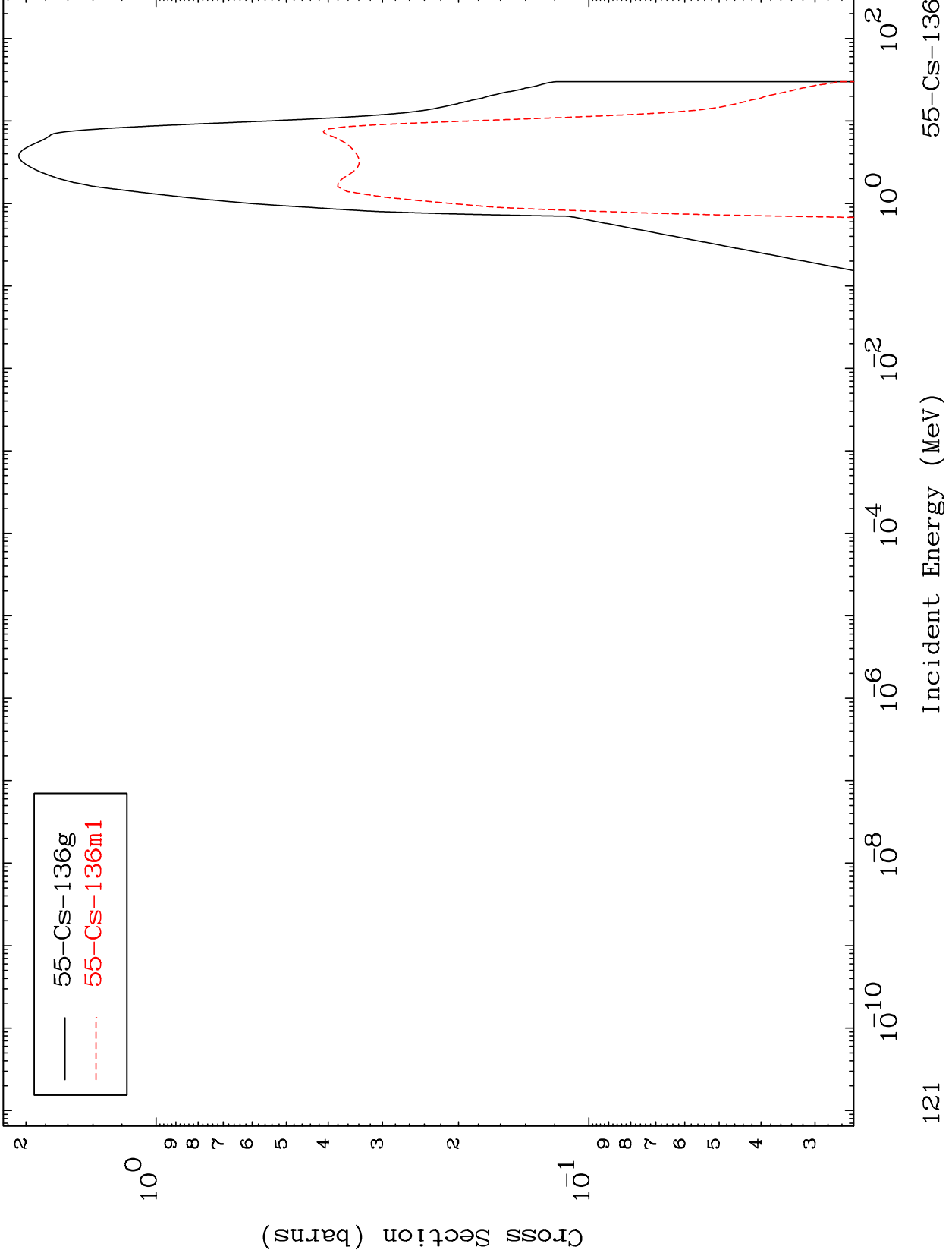
Incident Energy (MeV)

120

MAT 5534

Inelastic  
Radionuclide Production Cross Section

55-Cs-136

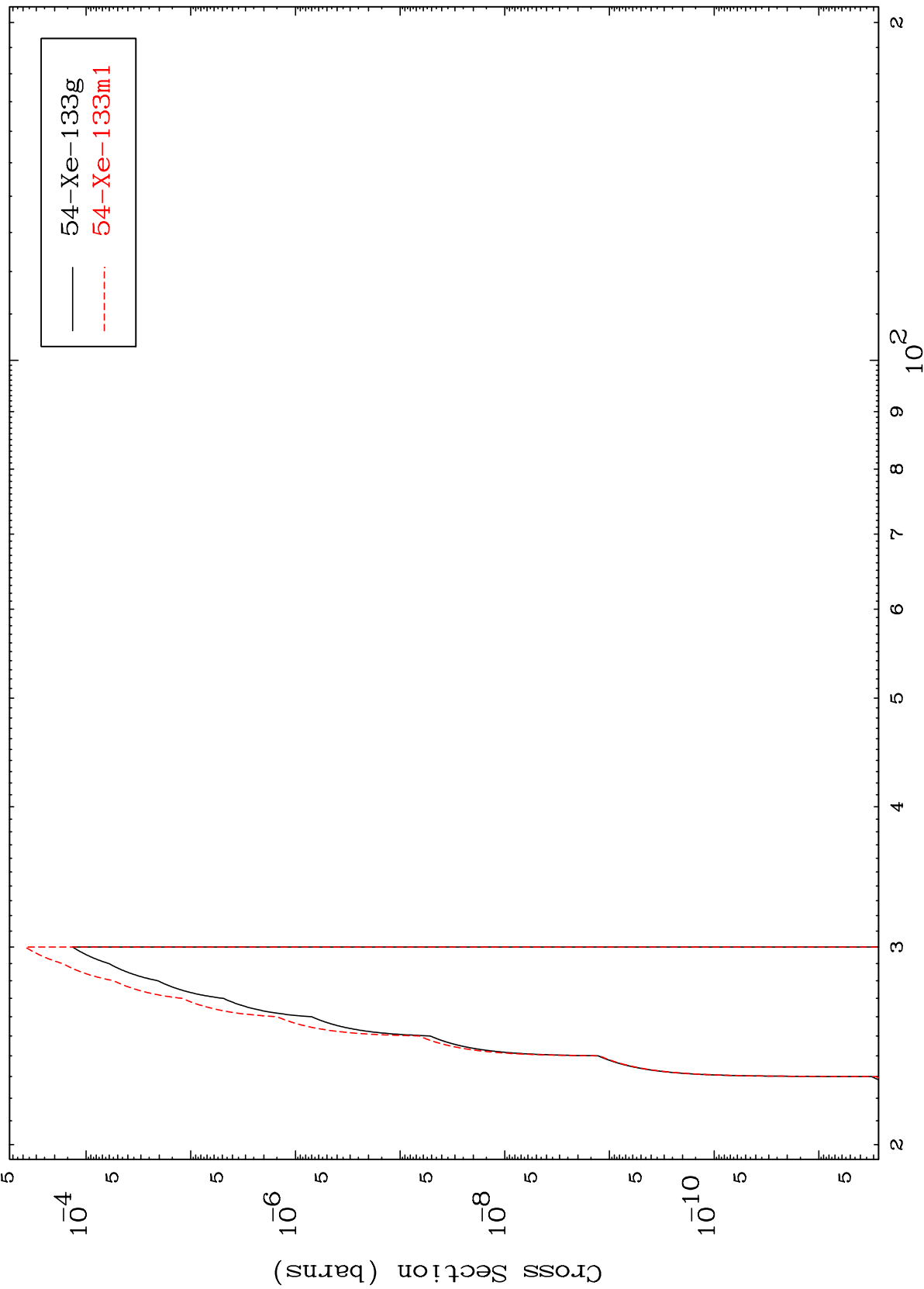


MAT 5534

(n,2n) d

55-Cs-136

Radionuclide Production Cross Section



122

Incident Energy (MeV)

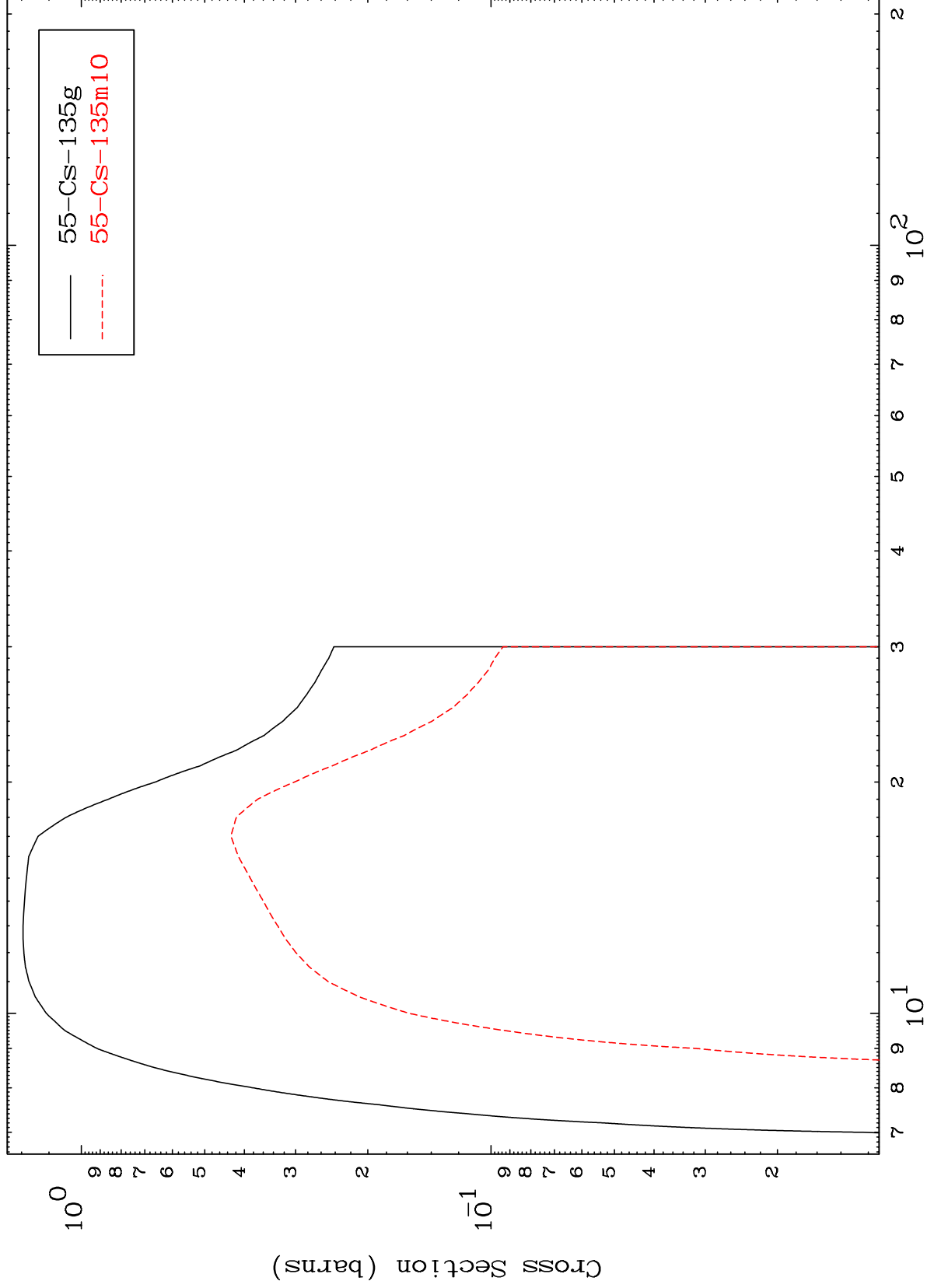
55-Cs-136

MAT 5534

(n,2n)

55-Cs-136

Radionuclide Production Cross Section



123

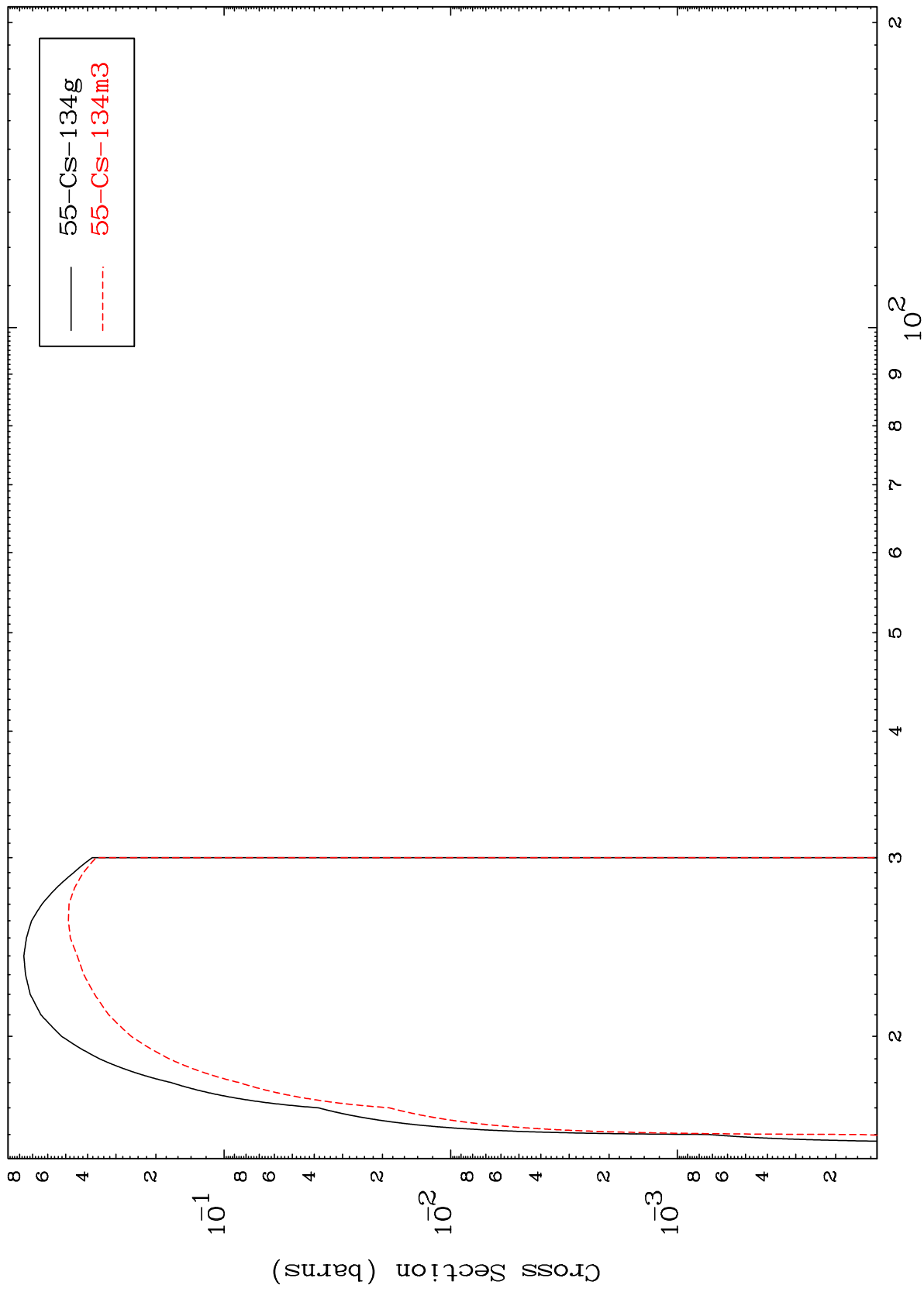
Incident Energy (MeV)

55-Cs-136

MAT 5534

55-Cs-136

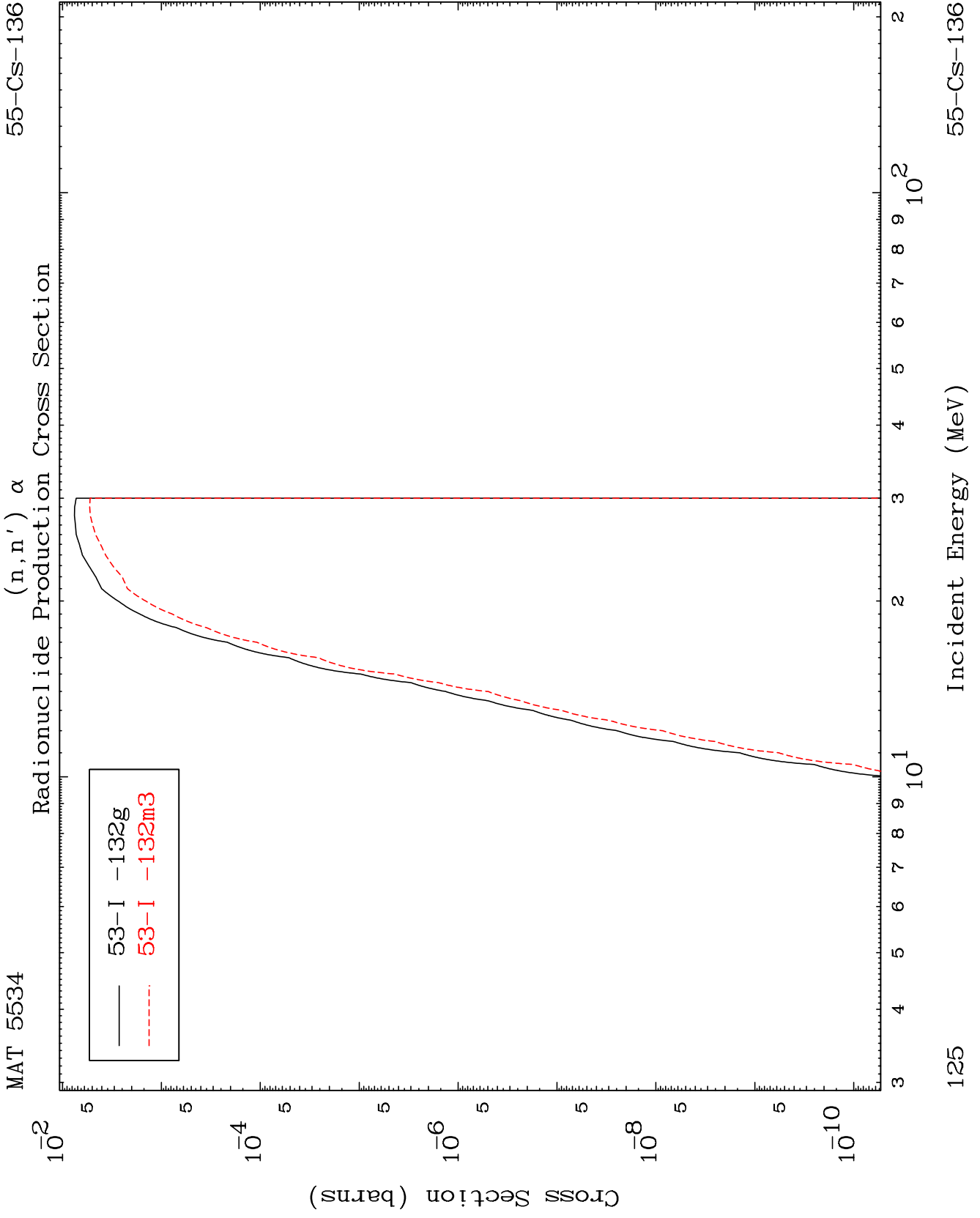
(n,3n)  
Radionuclide Production Cross Section



124

Incident Energy (MeV)

55-Cs-136

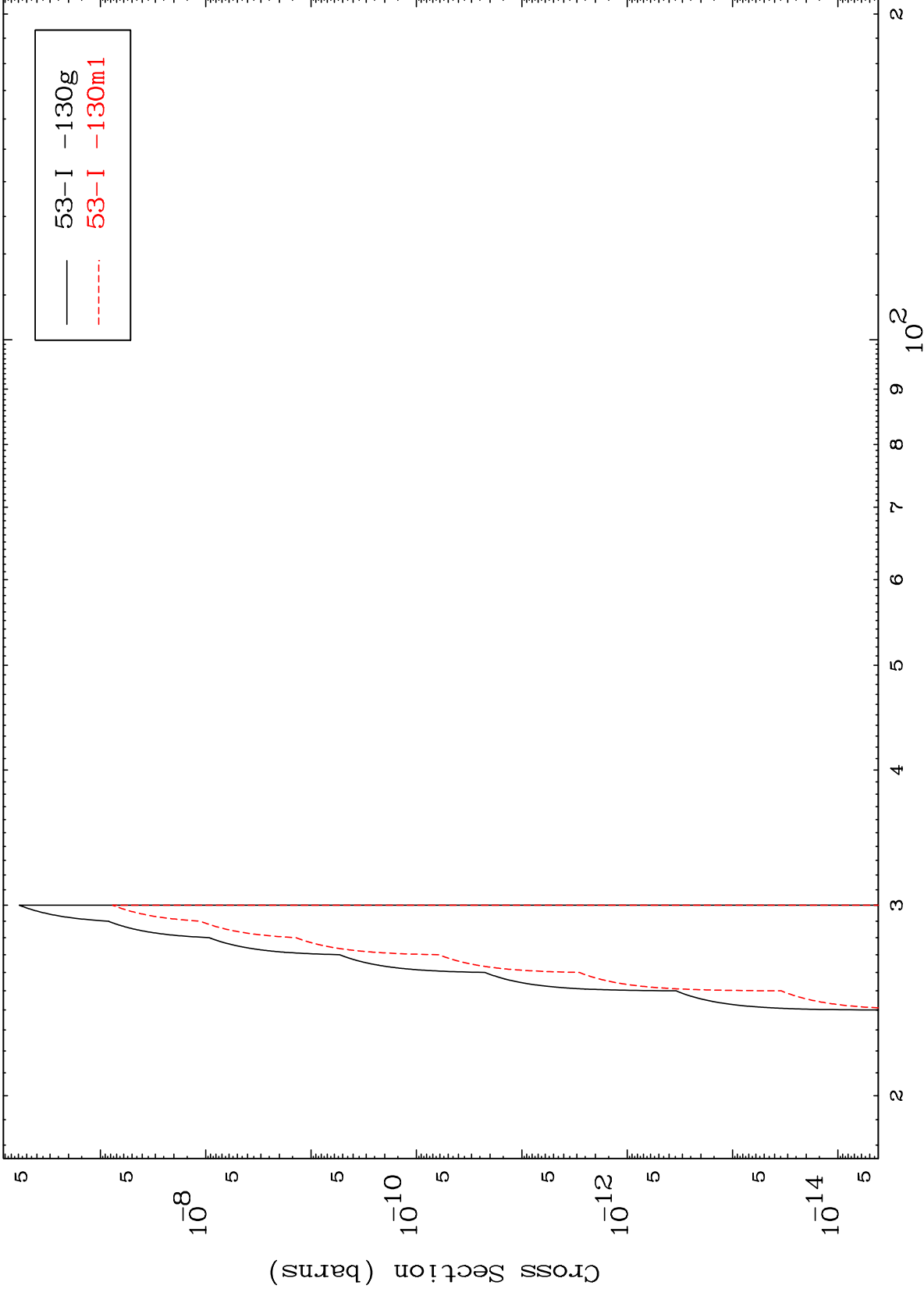


MAT 5534

(n,3n)  $\alpha$

55-Cs-136

Radionuclide Production Cross Section



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

126

Incident Energy (MeV)

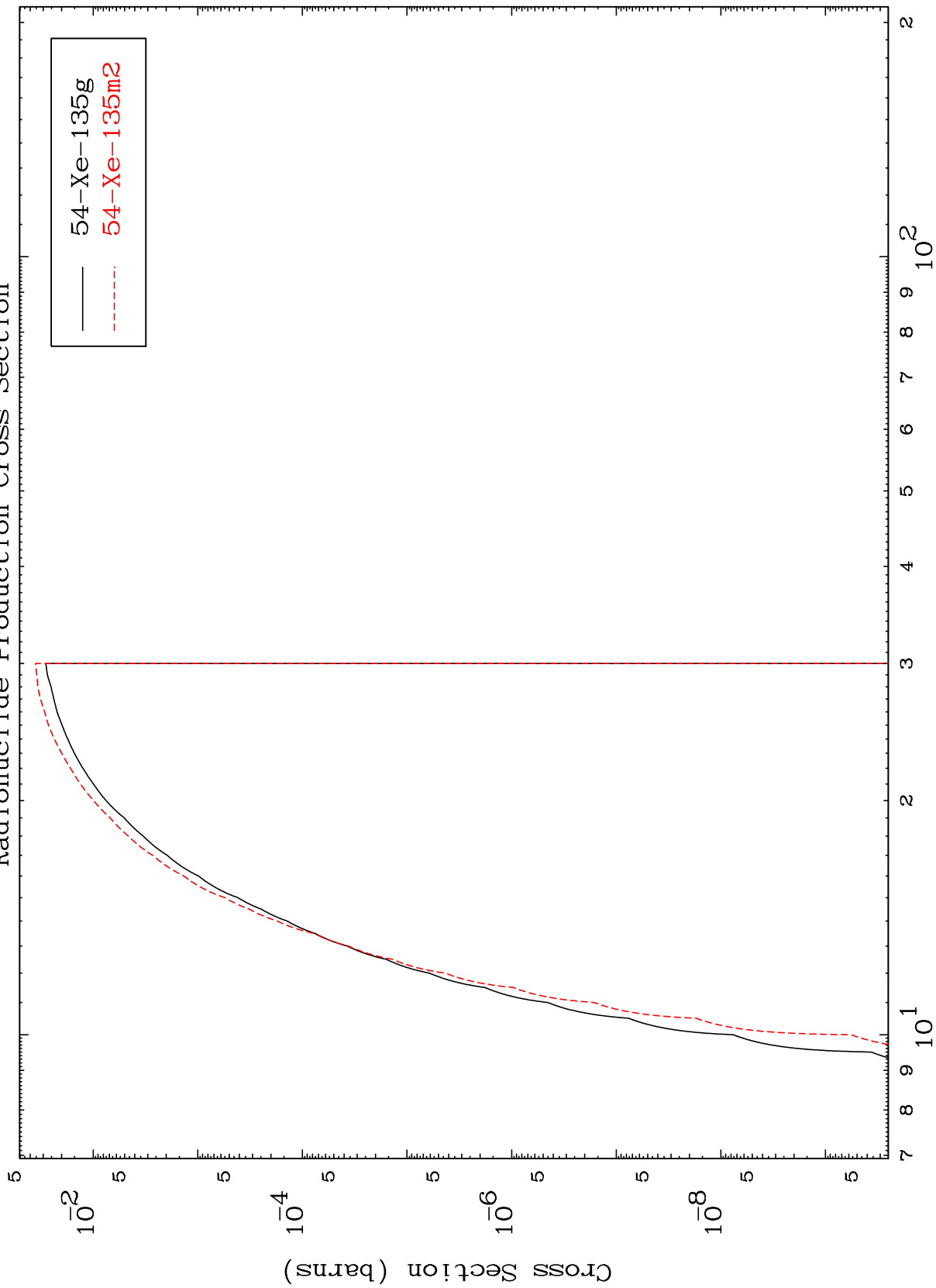
55-Cs-136

MAT 5534

(n,n') p

55-Cs-136

Radionuclide Production Cross Section



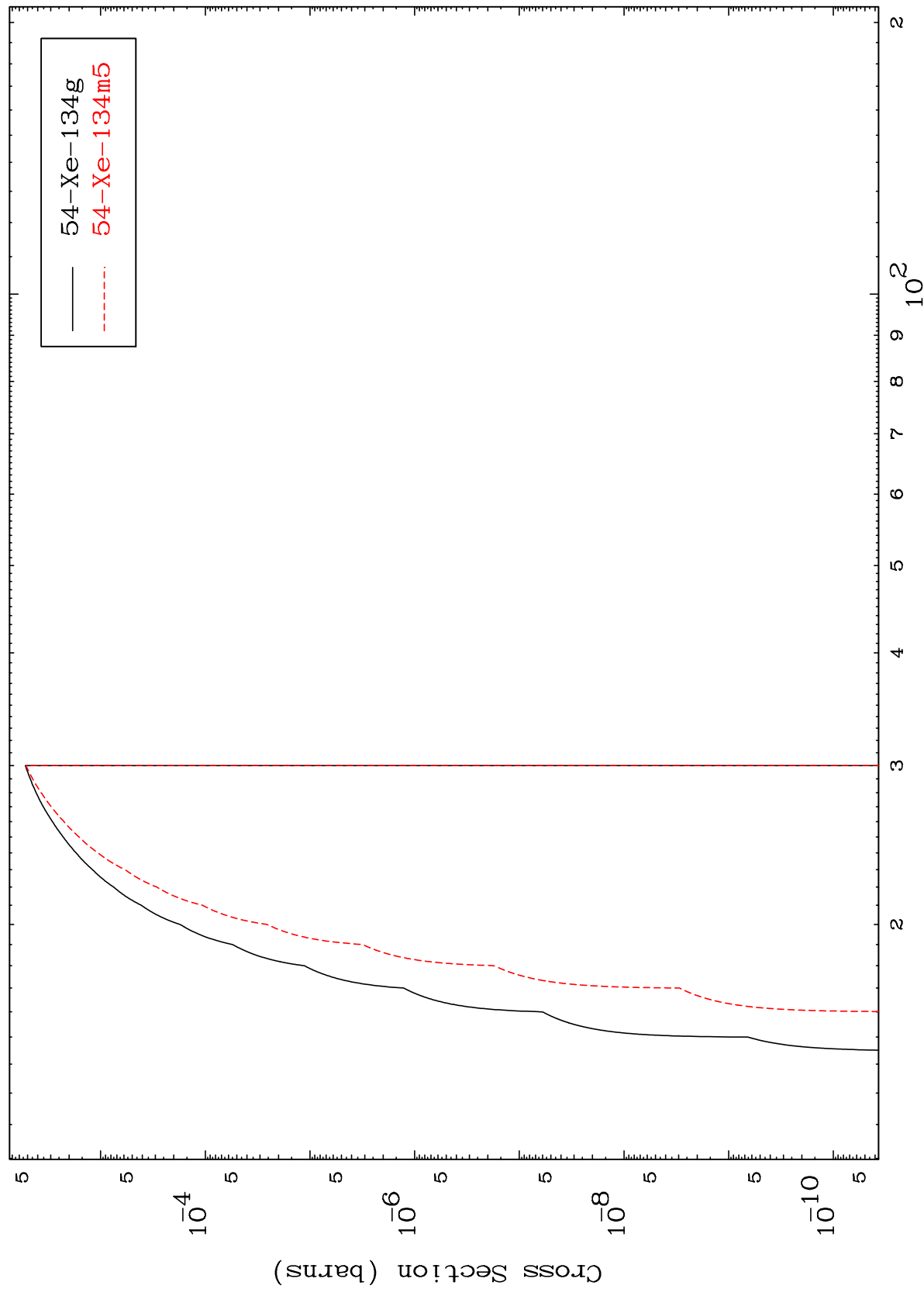
127

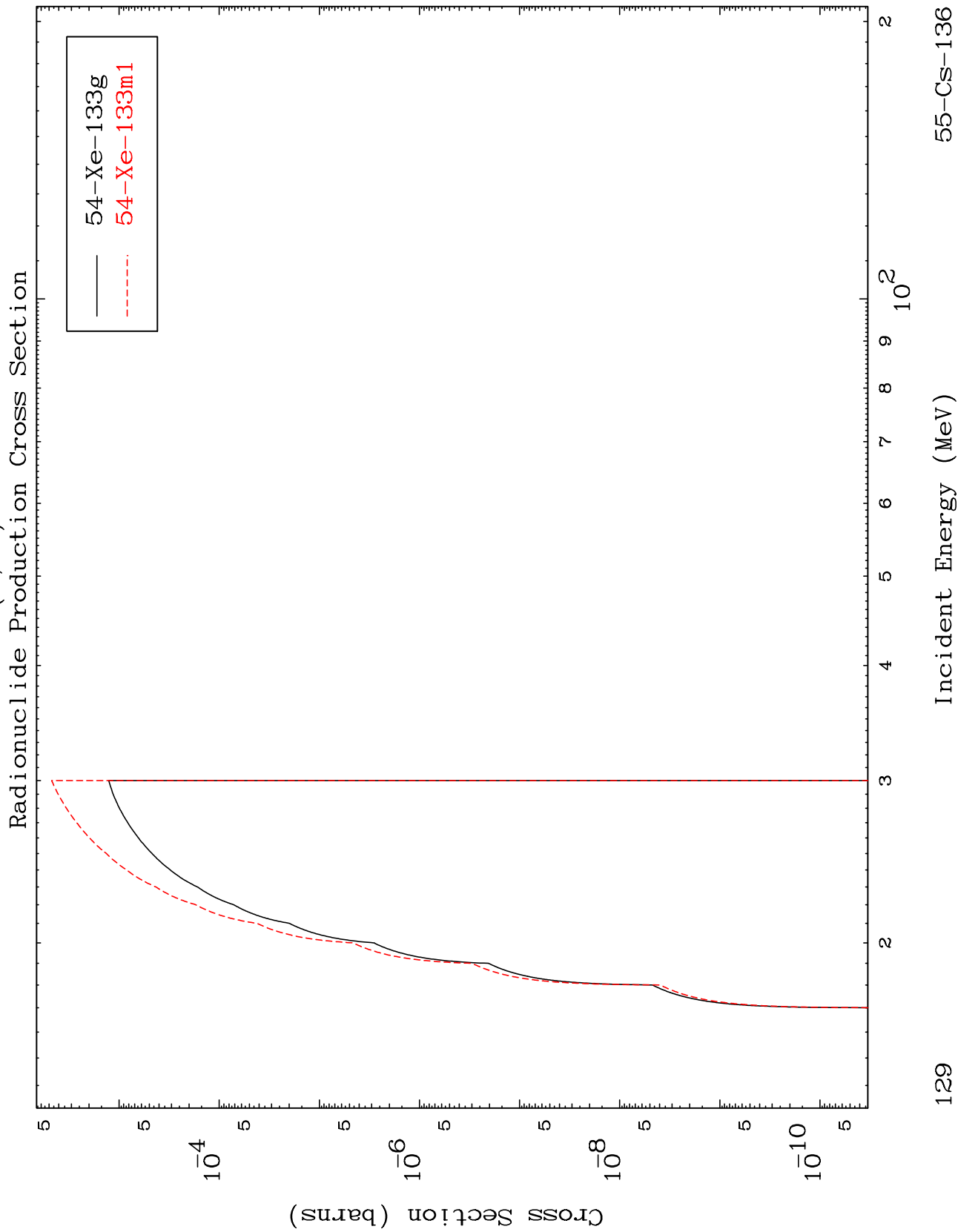
Incident Energy (MeV)

55-Cs-136



Radionuclide Production Cross Section



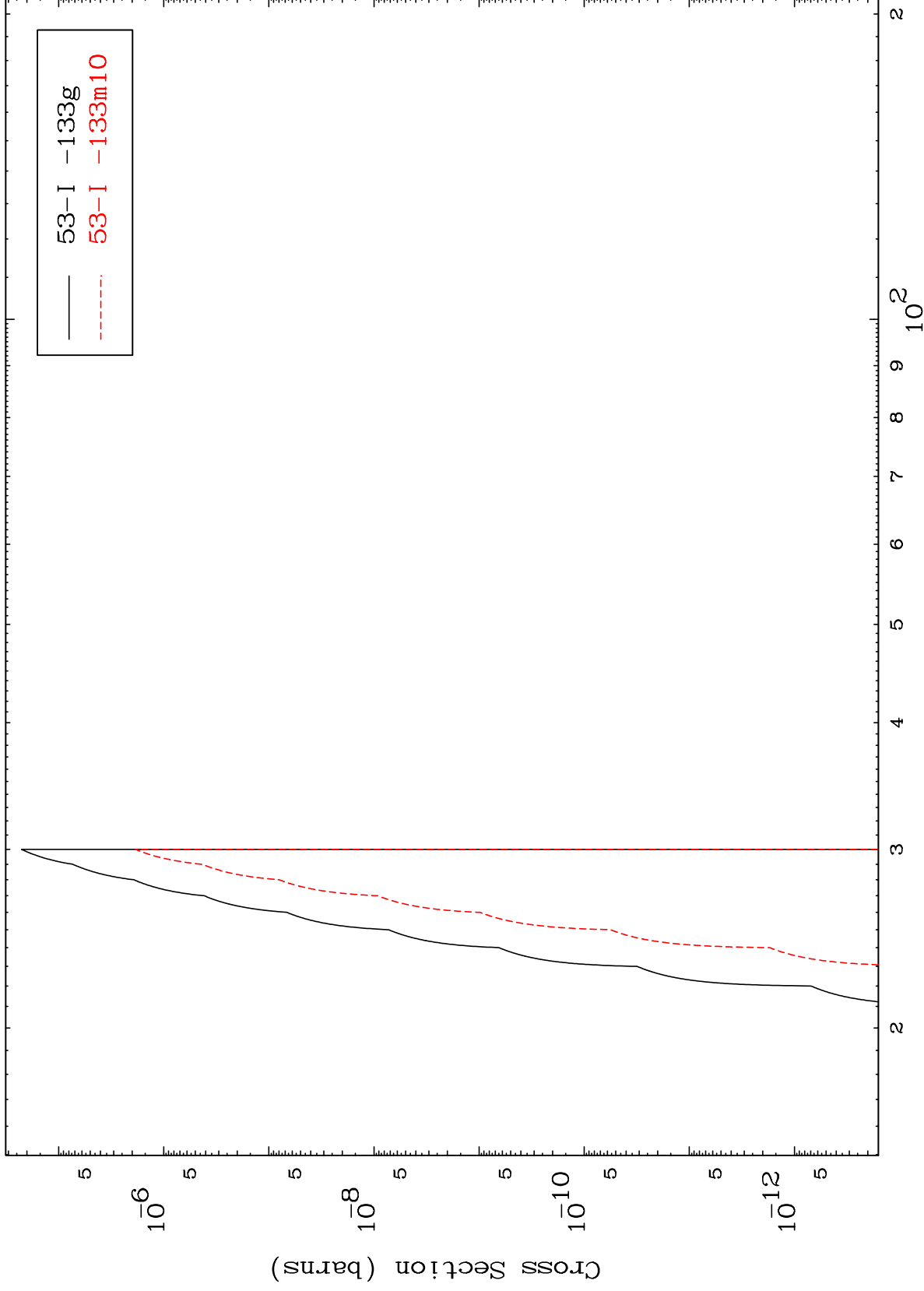


MAT 5534

(n,n') He-3

55-Cs-136

Radionuclide Production Cross Section



130

Incident Energy (MeV)

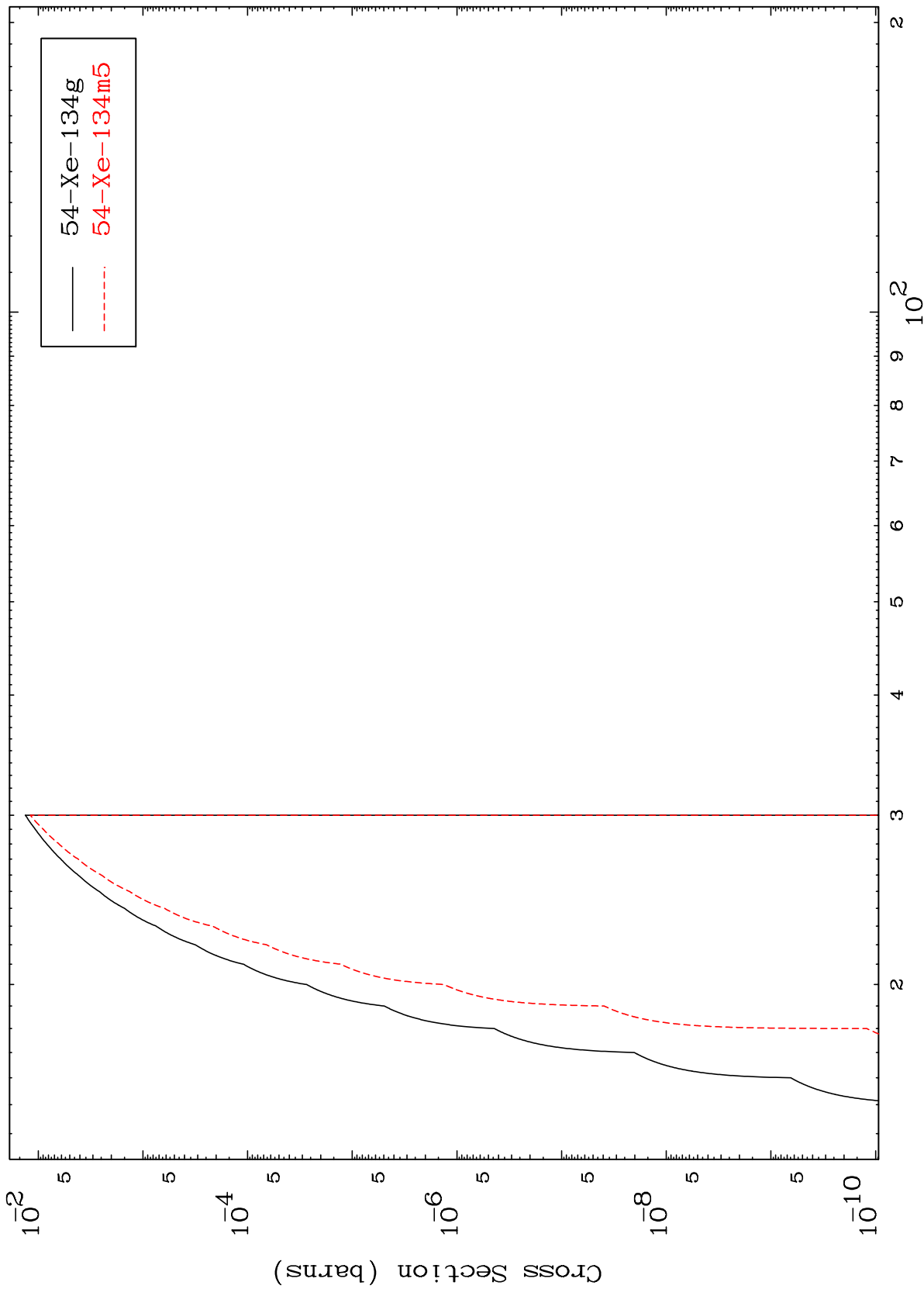
55-Cs-136

MAT 5534

(n,2n) p

55-Cs-136

Radionuclide Production Cross Section



54-Xe-134g  
54-Xe-134m5

131

Incident Energy (MeV)

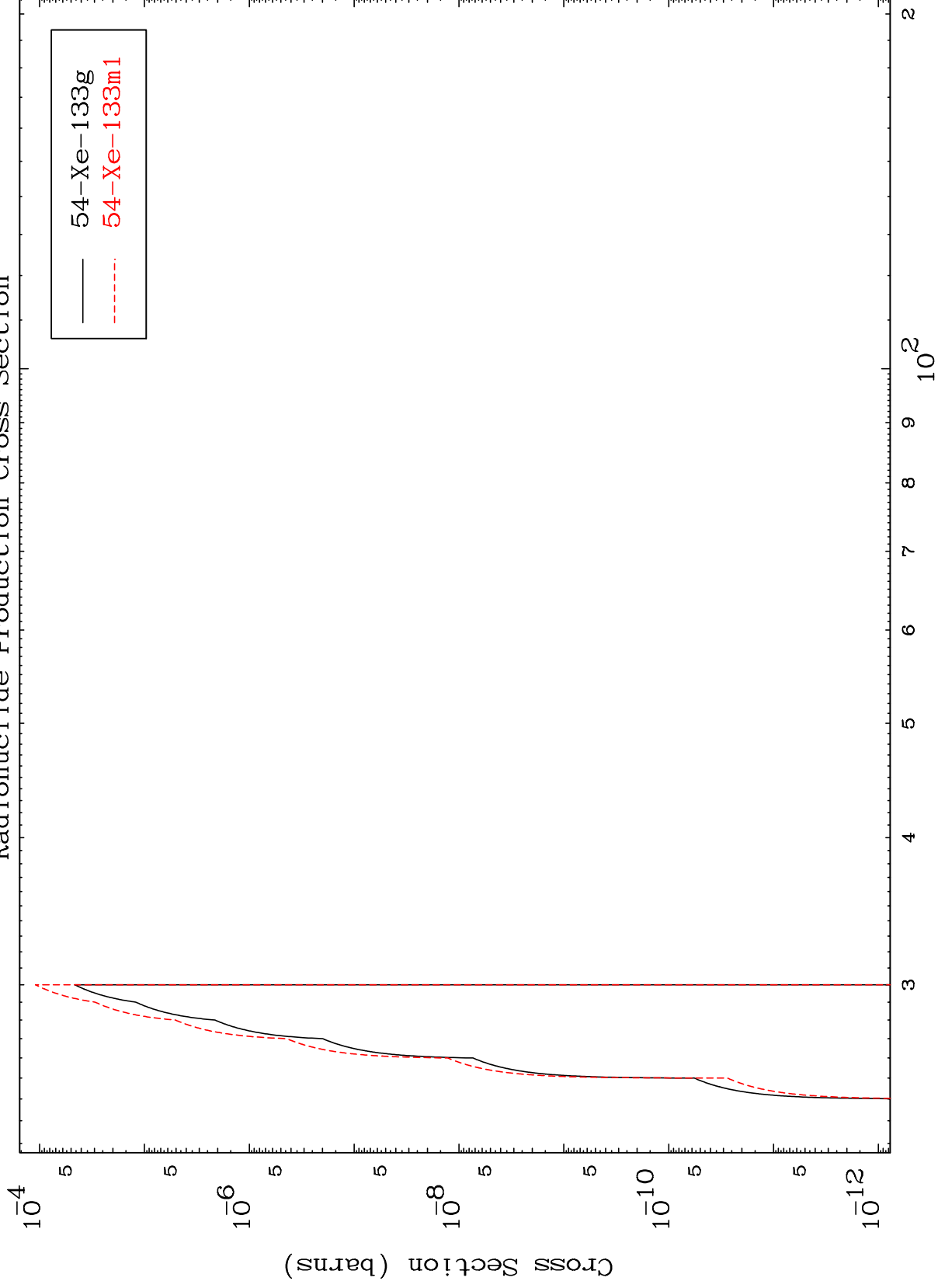
55-Cs-136

MAT 5534

(n,3n) p

55-Cs-136

Radionuclide Production Cross Section



132

Incident Energy (MeV)

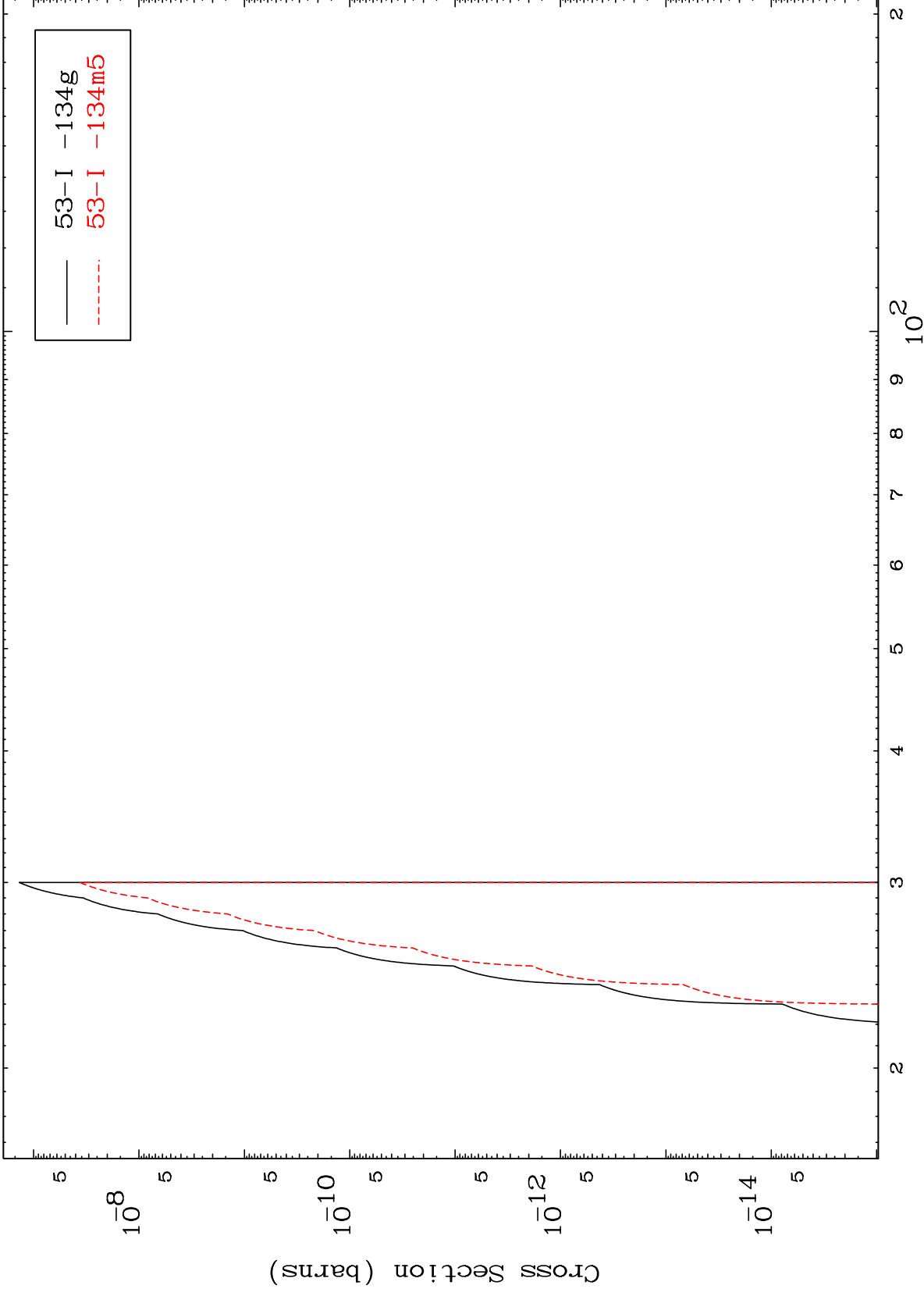
55-Cs-136

MAT 5534

(n,2n) p

55-Cs-136

Radionuclide Production Cross Section



133

Incident Energy (MeV)

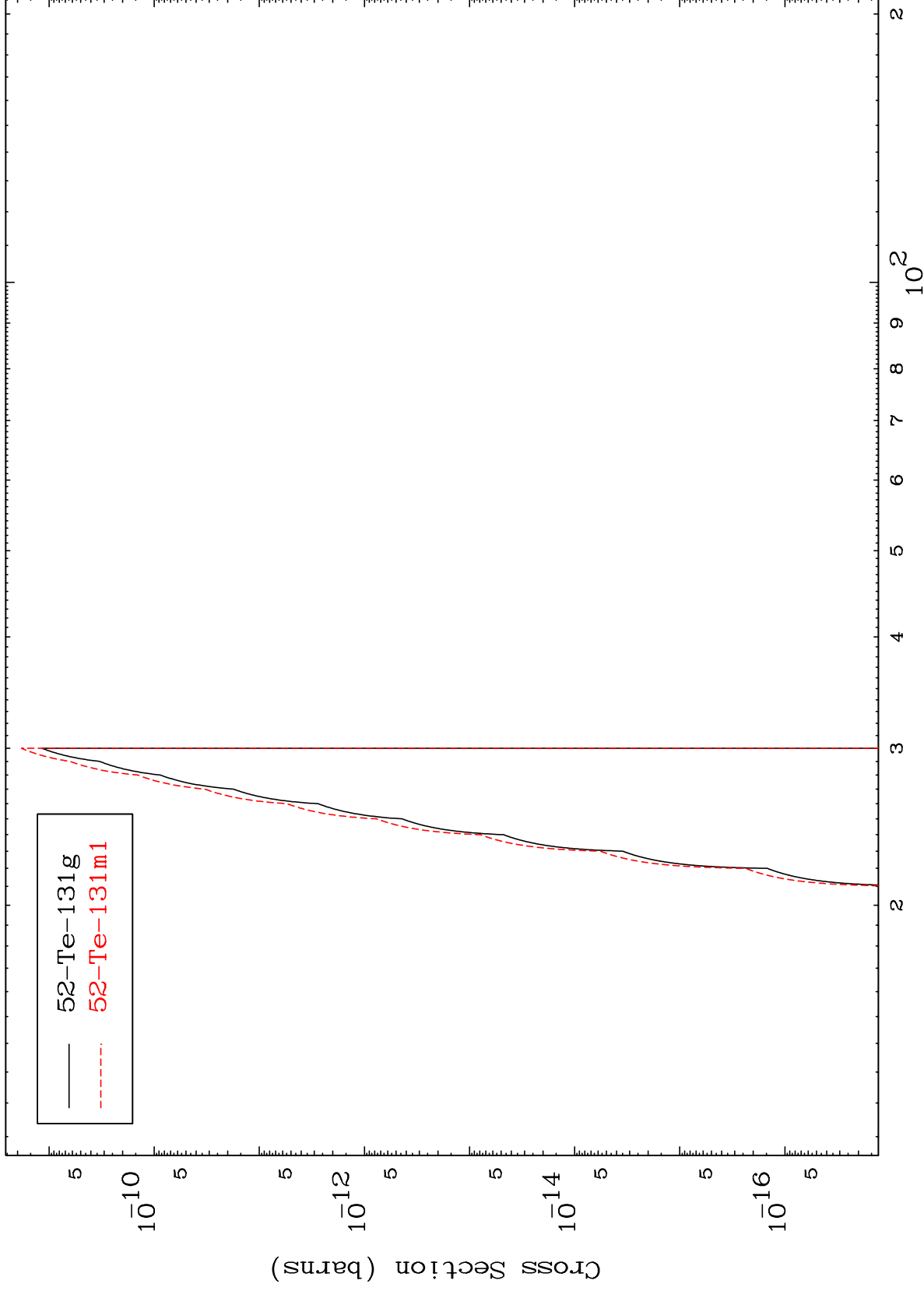
55-Cs-136

MAT 5534

(n,n') p  $\alpha$

55-Cs-136

Radionuclide Production Cross Section



134

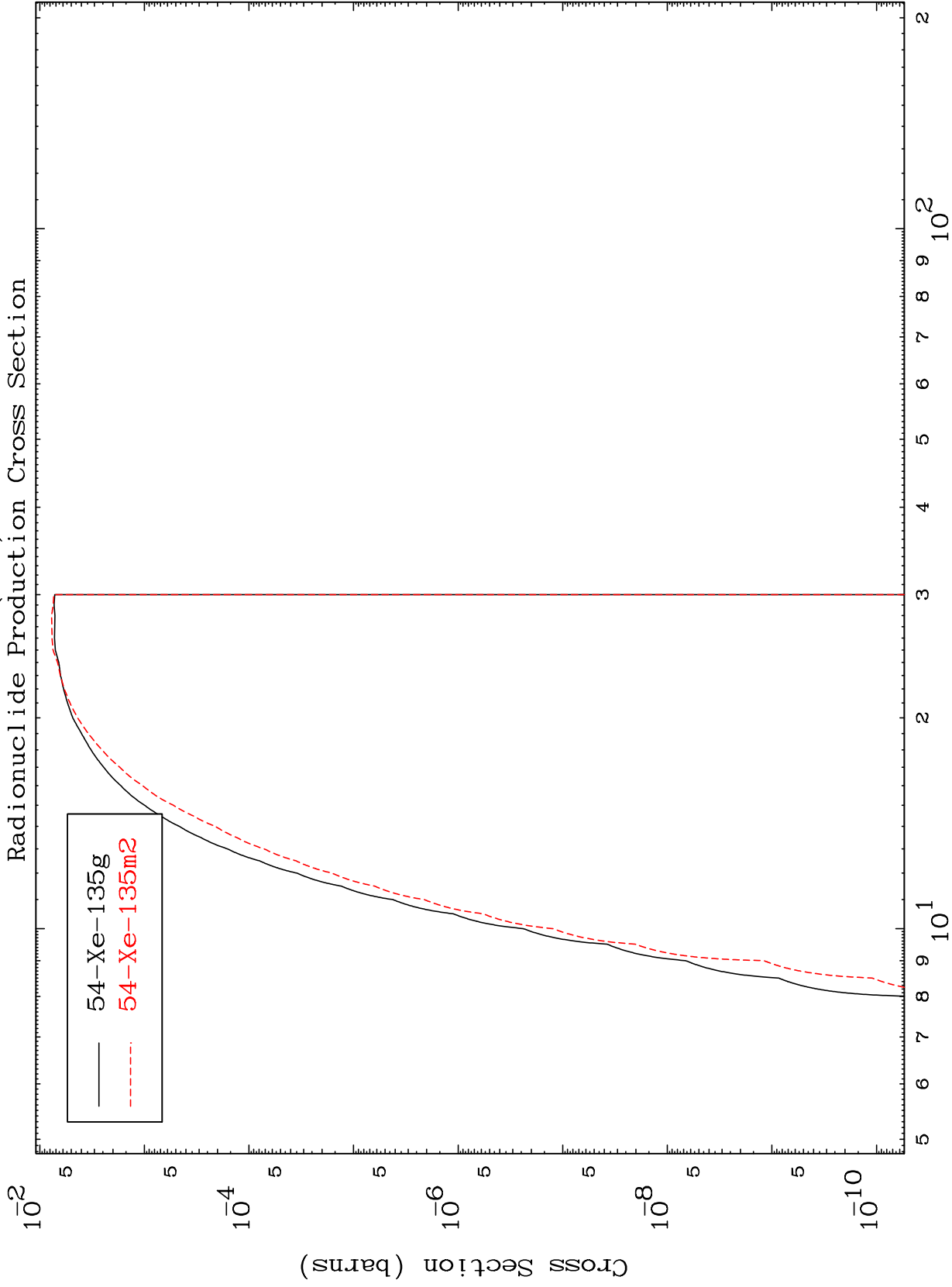
Incident Energy (MeV)

55-Cs-136

MAT 5534

(n,d)

55-Cs-136



135

Incident Energy (MeV)

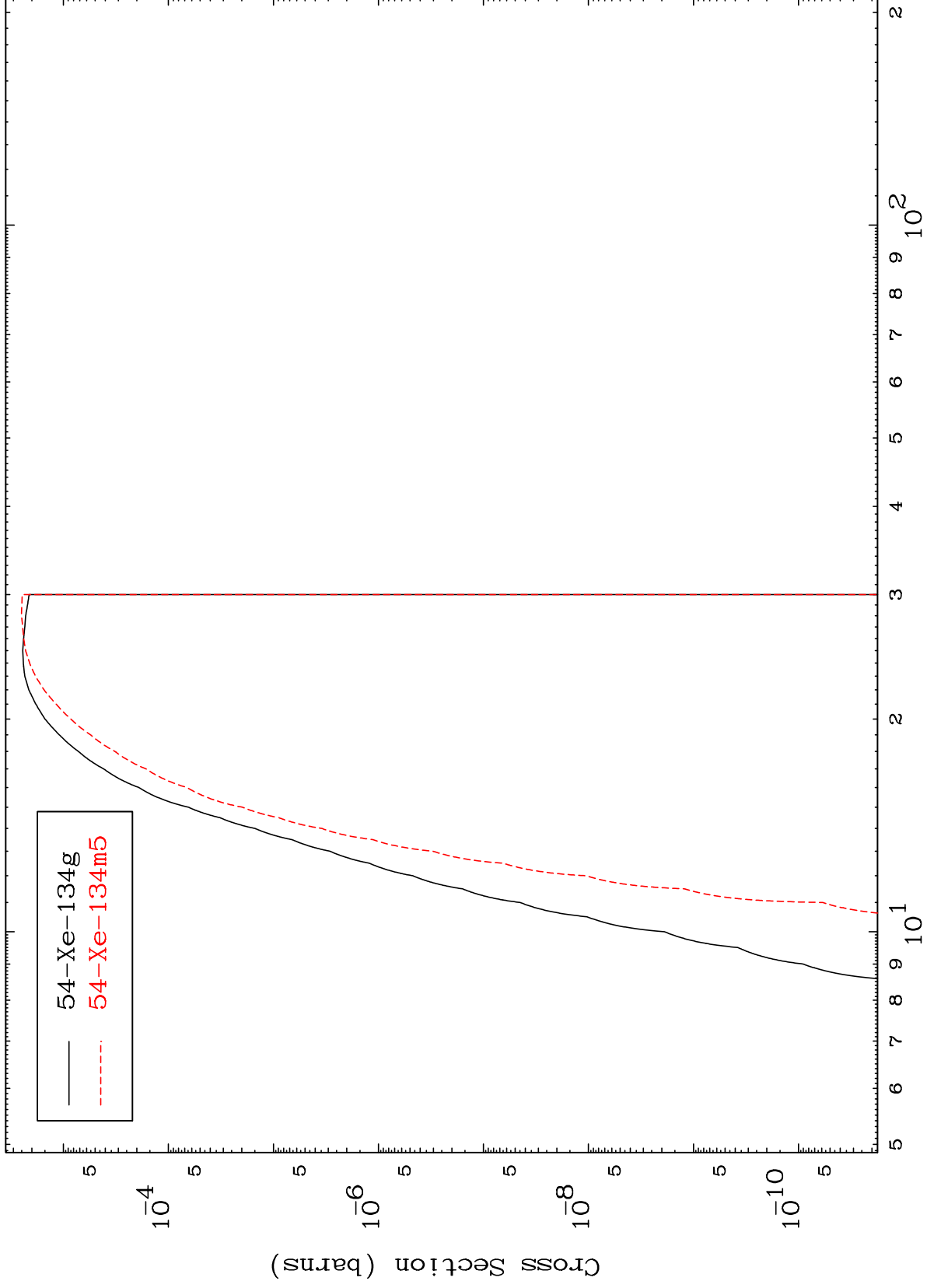
55-Cs-136



MAT 5534

55-Cs-136

(n, t)  
Radionuclide Production Cross Section



136

Incident Energy (MeV)

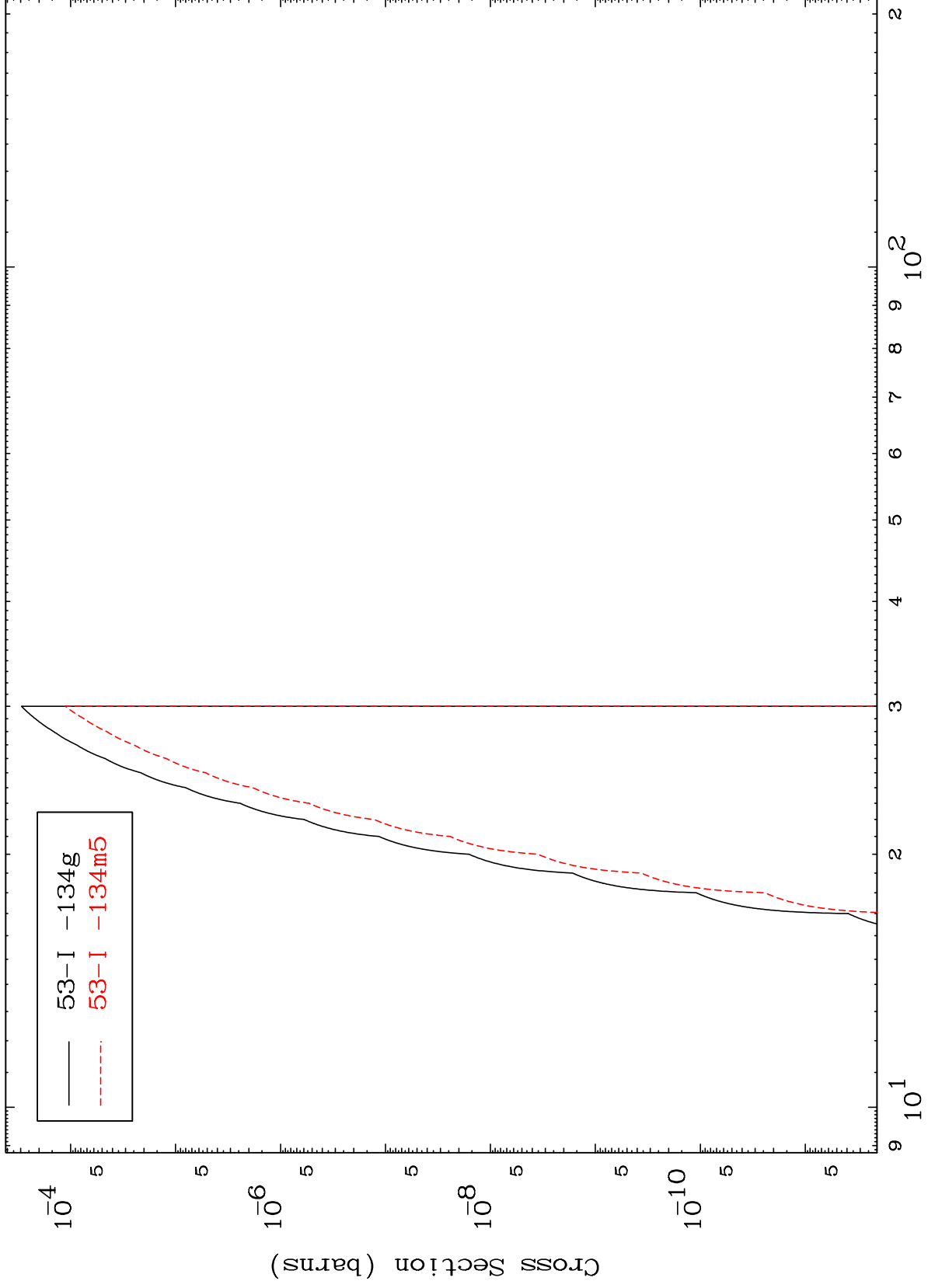
55-Cs-136

MAT 5534

(n,He-3)

55-Cs-136

Radionuclide Production Cross Section



— 53-I -134g  
- - - 53-I -134m5

Incident Energy (MeV)

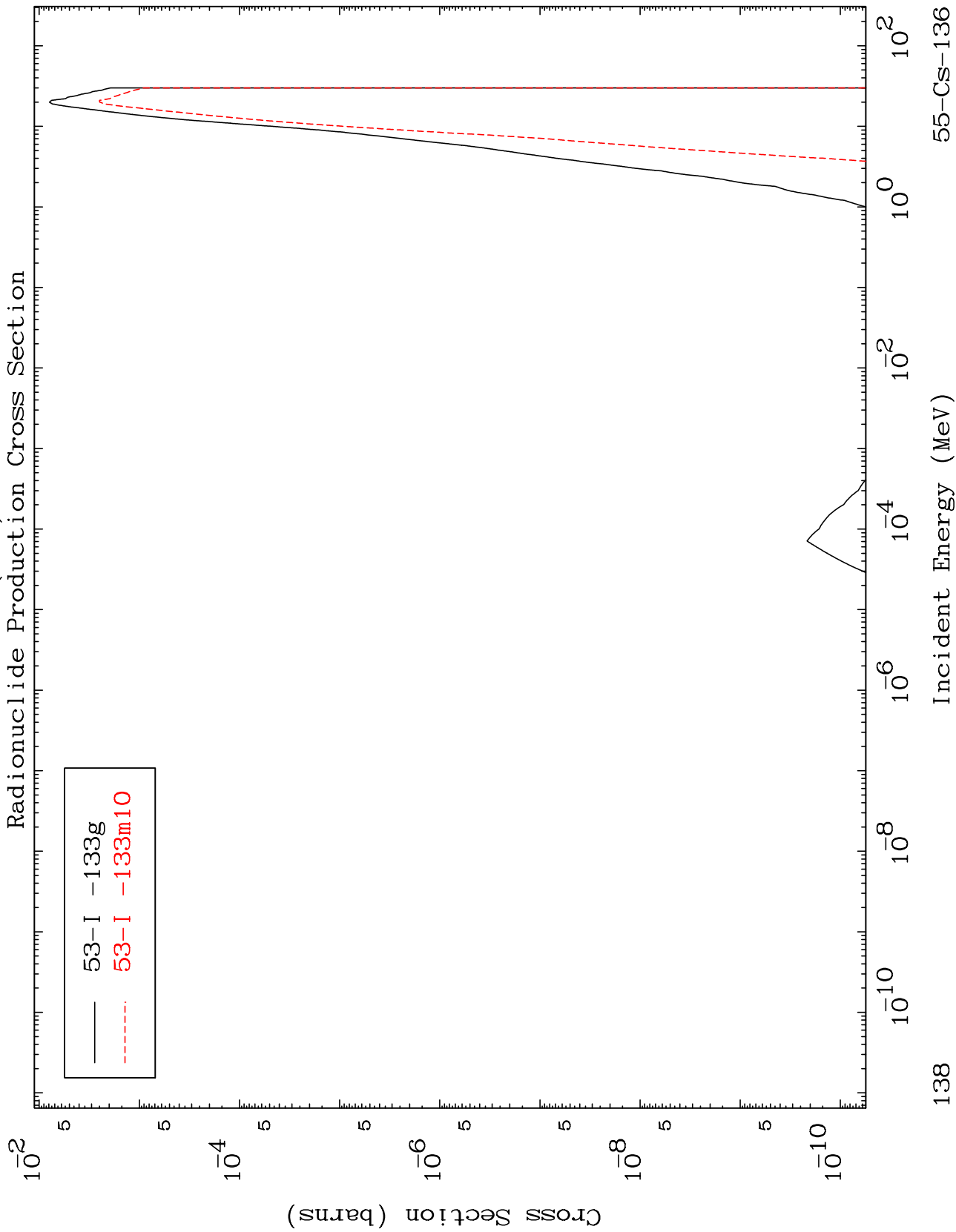
55-Cs-136

137

MAT 5534

55-Cs-136

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

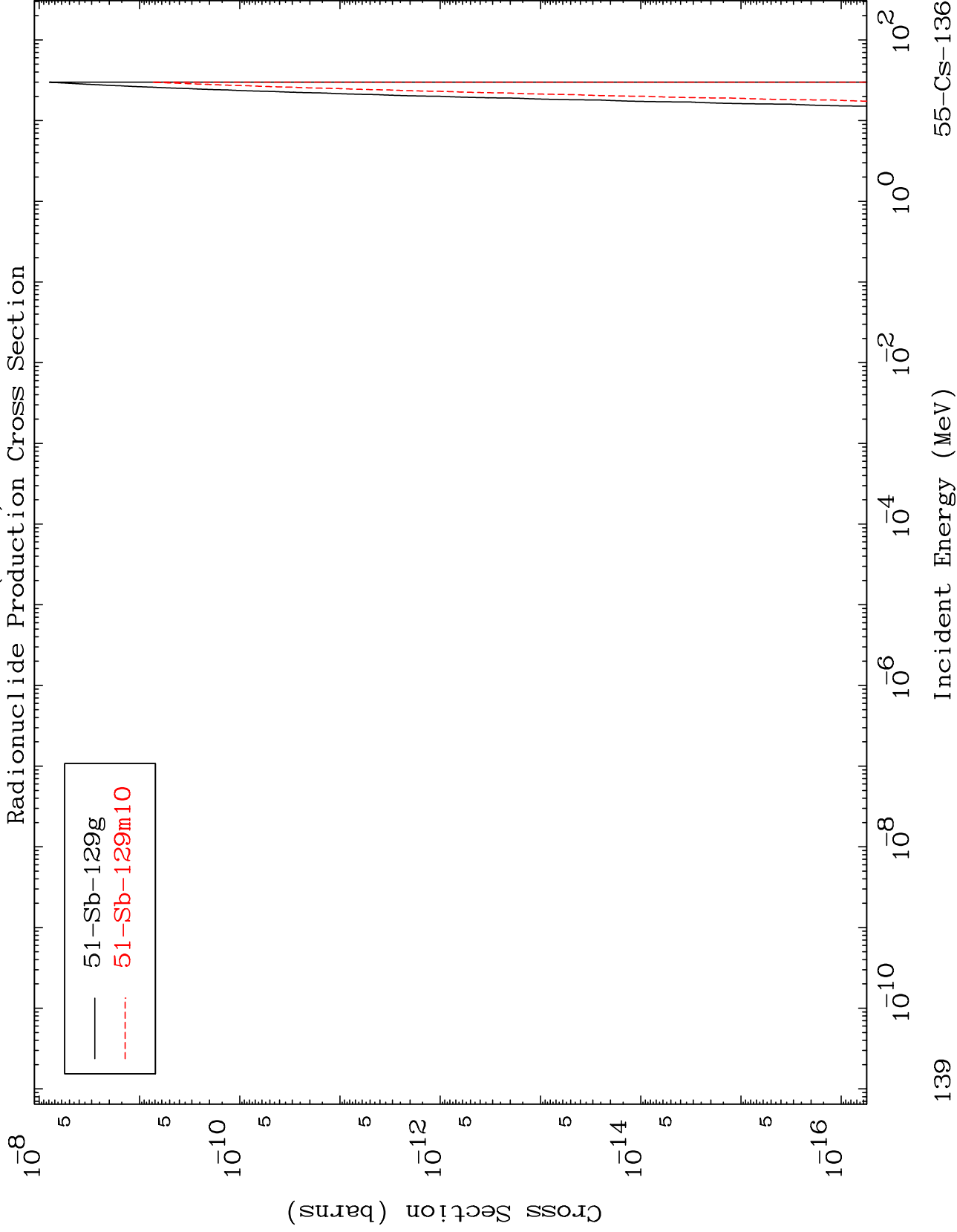


MAT 5534

(n,2α)

55-Cs-136

Radionuclide Production Cross Section



139

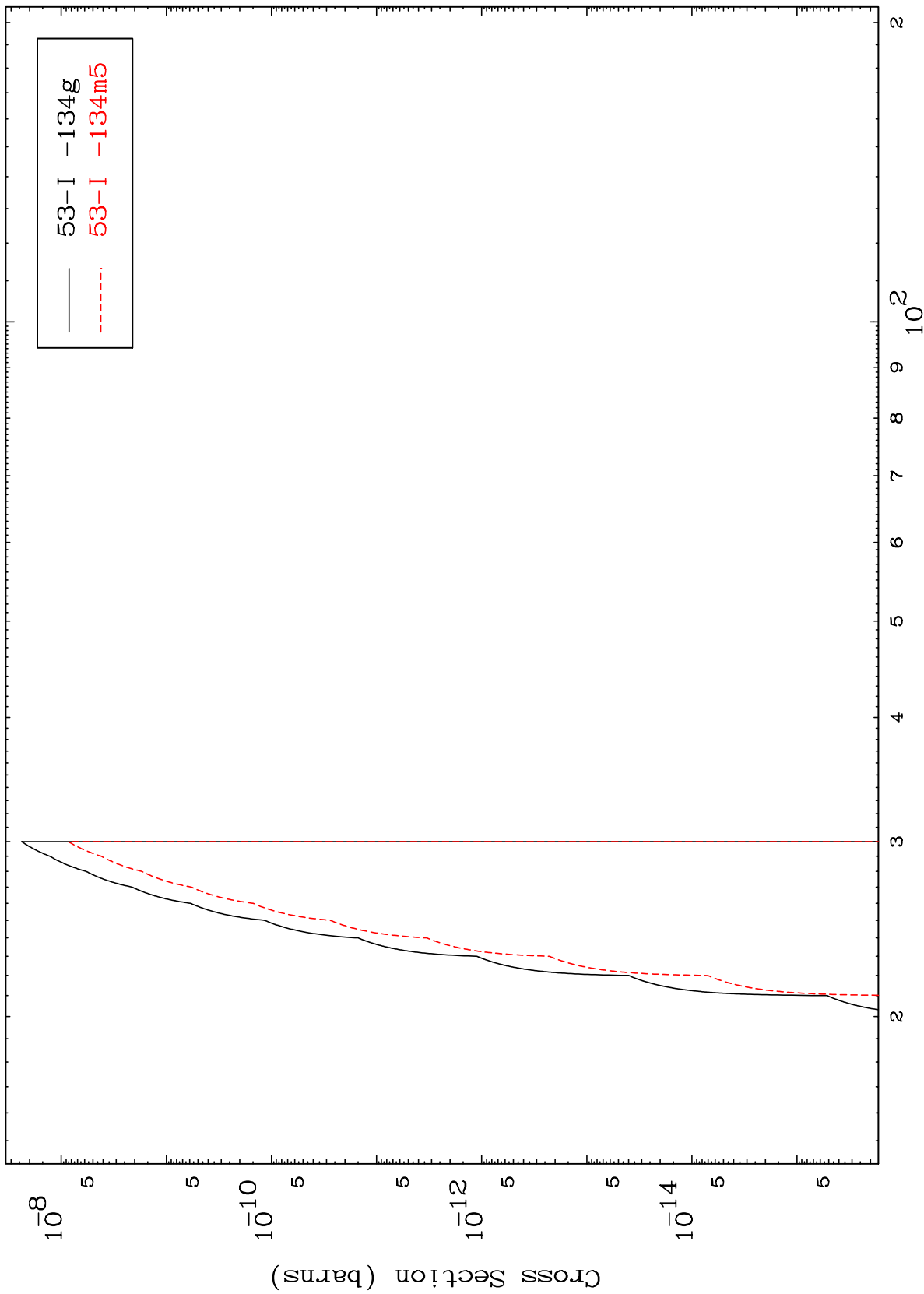
55-Cs-136

MAT 5534

(n,p) d

55-Cs-136

Radionuclide Production Cross Section



140

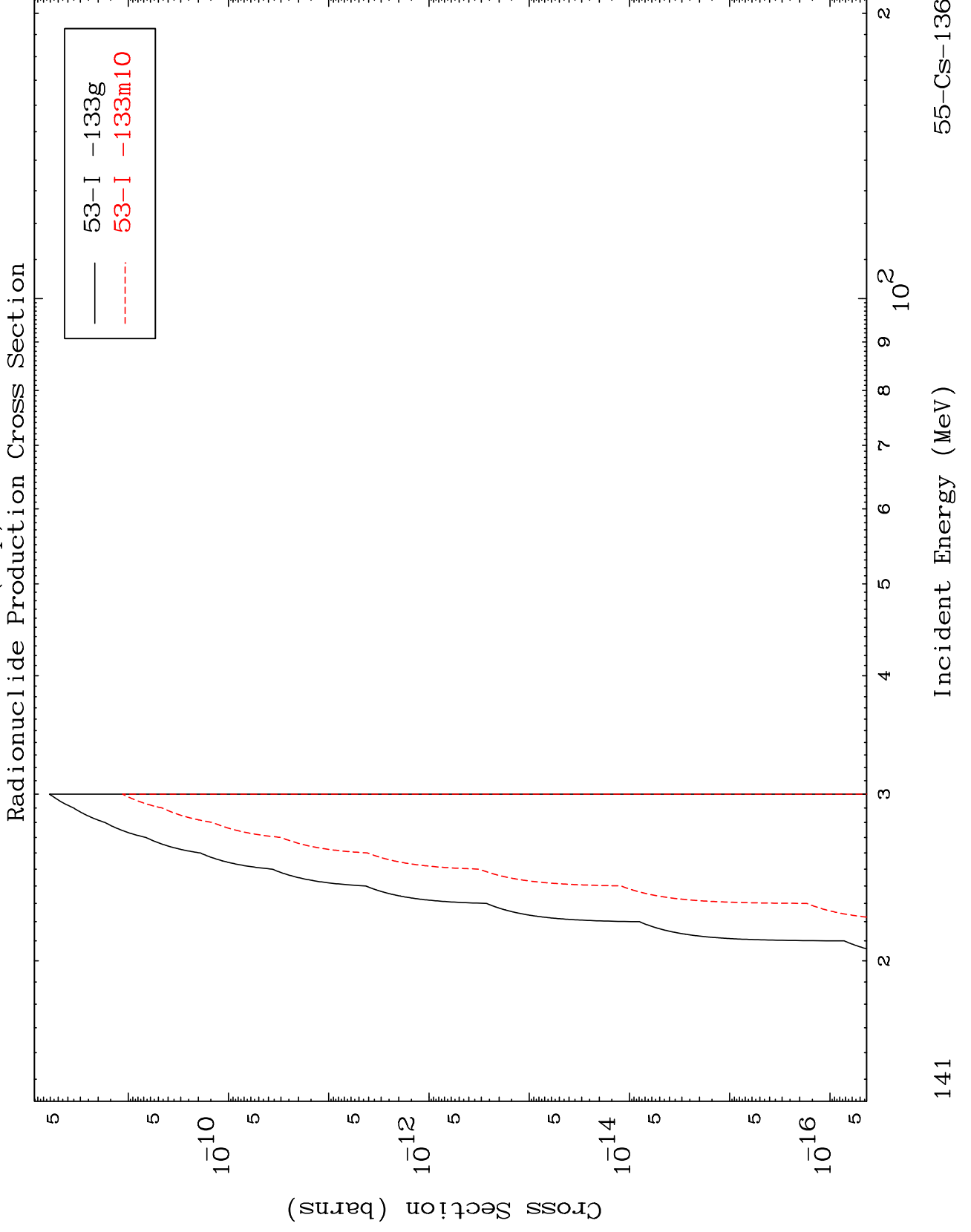
Incident Energy (MeV)

55-Cs-136

MAT 5534

(n,p) t

55-Cs-136



141

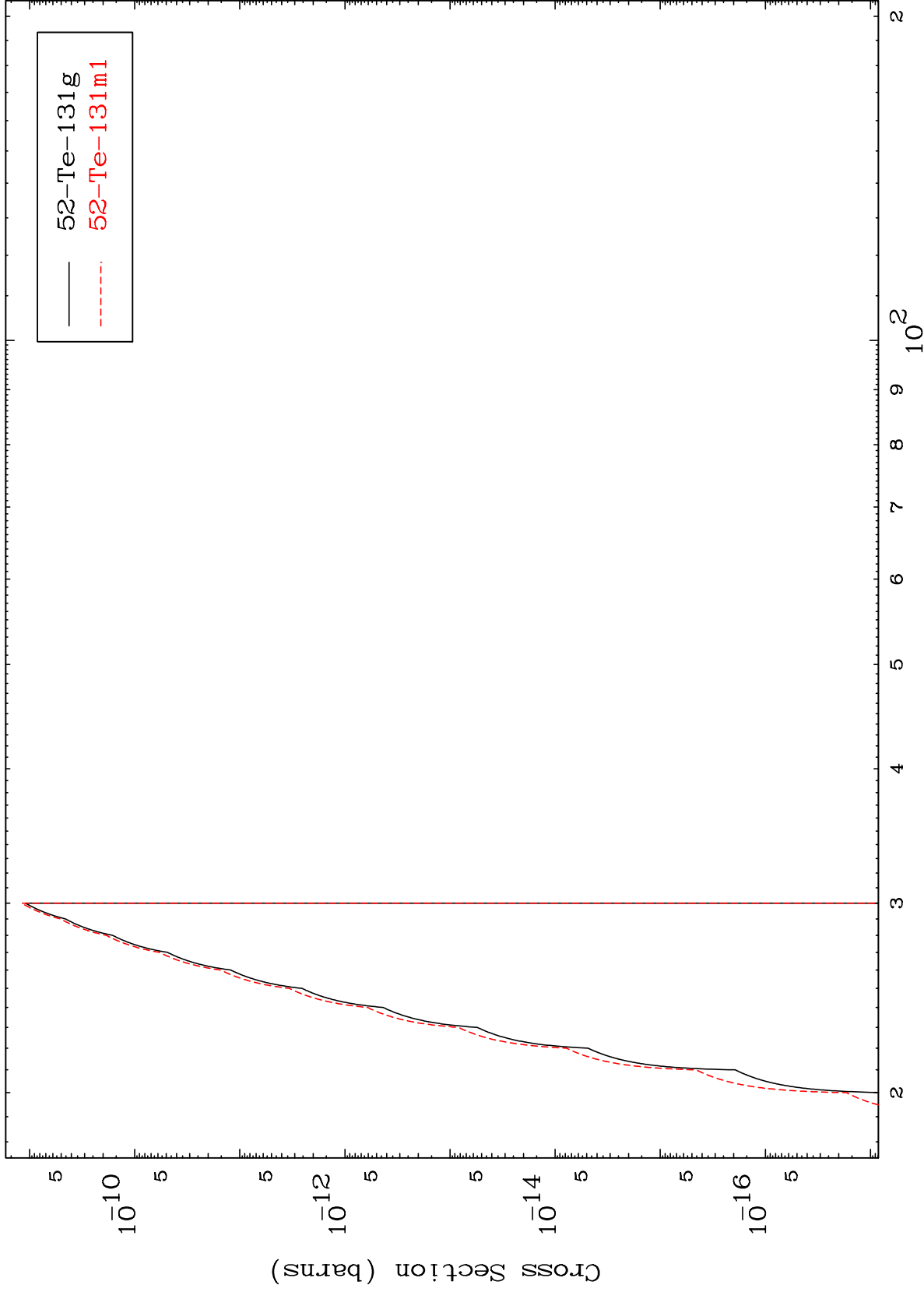
55-Cs-136

MAT 5534

(n,d)  $\alpha$

55-Cs-136

Radionuclide Production Cross Section



142

Incident Energy (MeV)

55-Cs-136