

Program EVALPLOT
(Version 2017-1)

by

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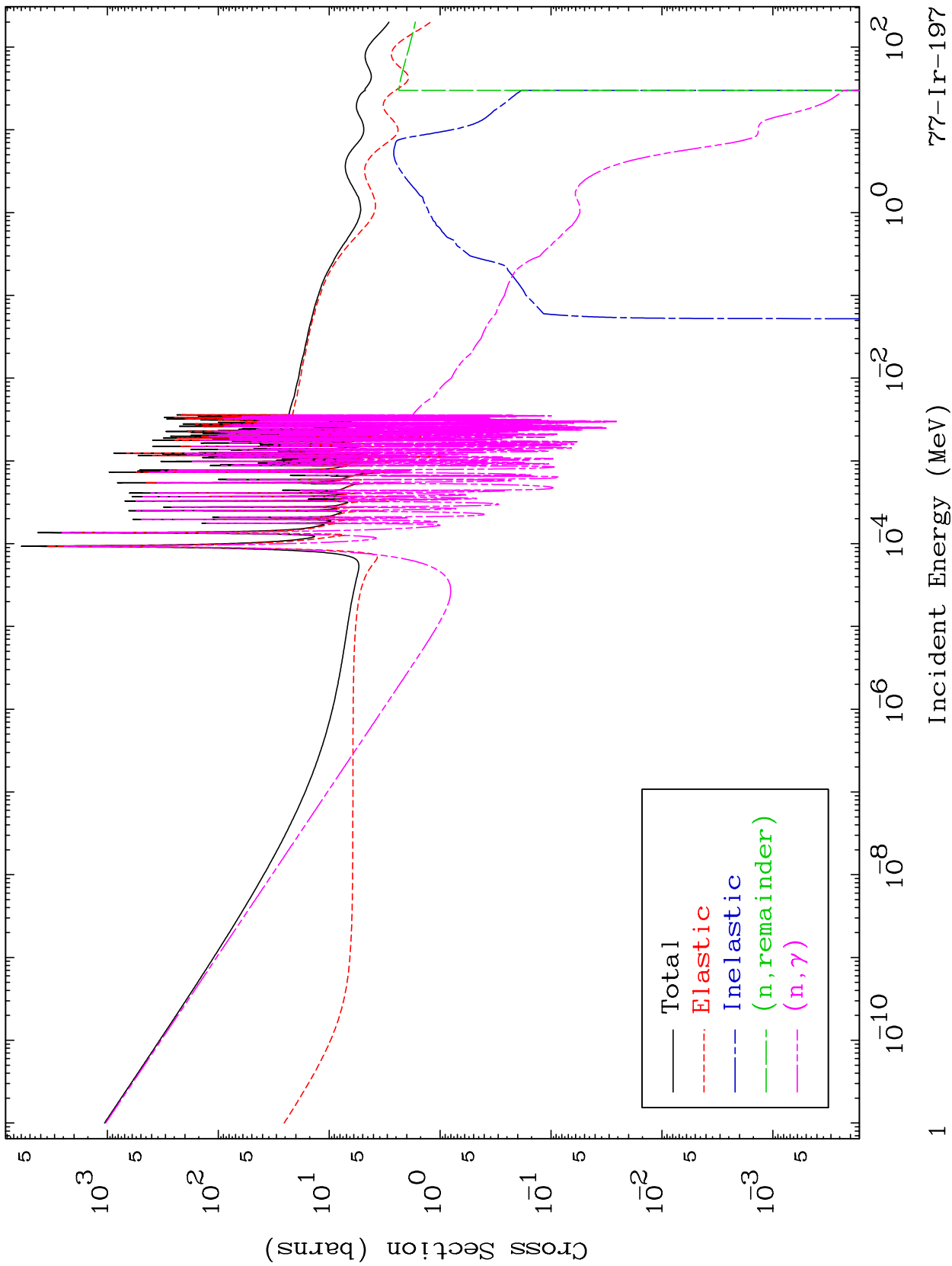
Press Mouse Button to Start

MAT 7743

Major

293 Kelvin Cross Sections

77-Ir-197

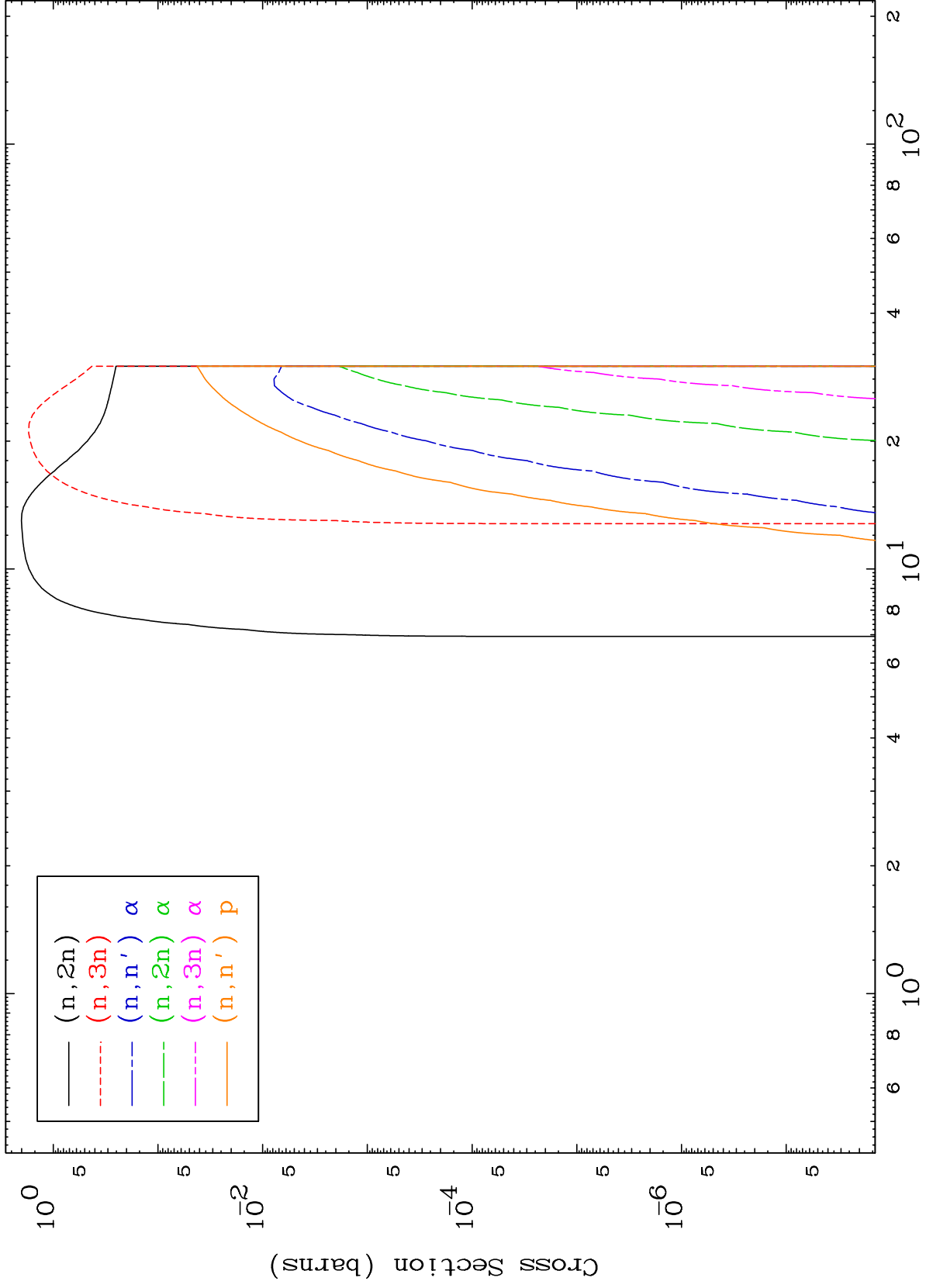


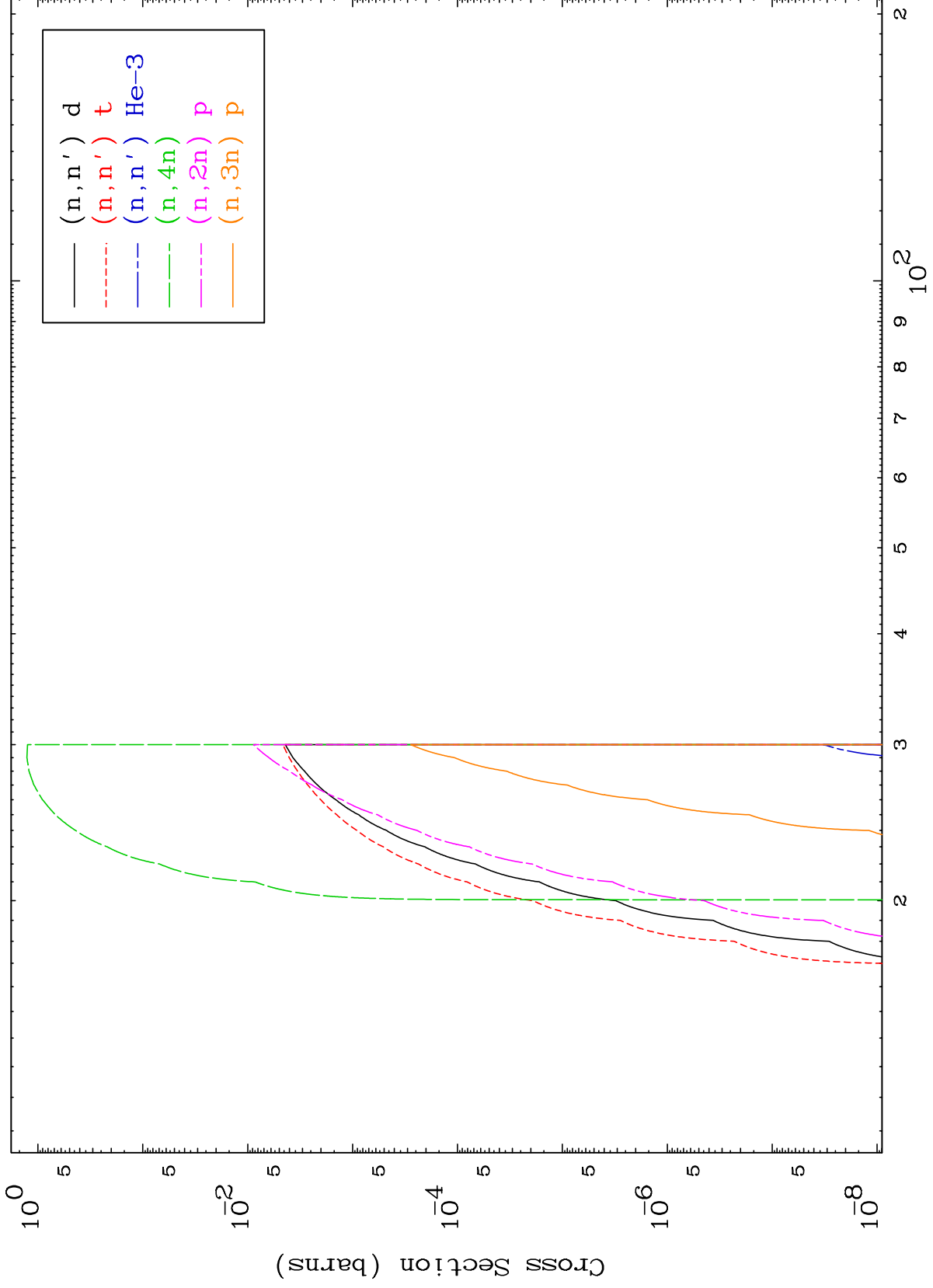
77-Ir-197

MAT 7743

Neutron Production
293 Kelvin Cross Sections

77-Ir-197

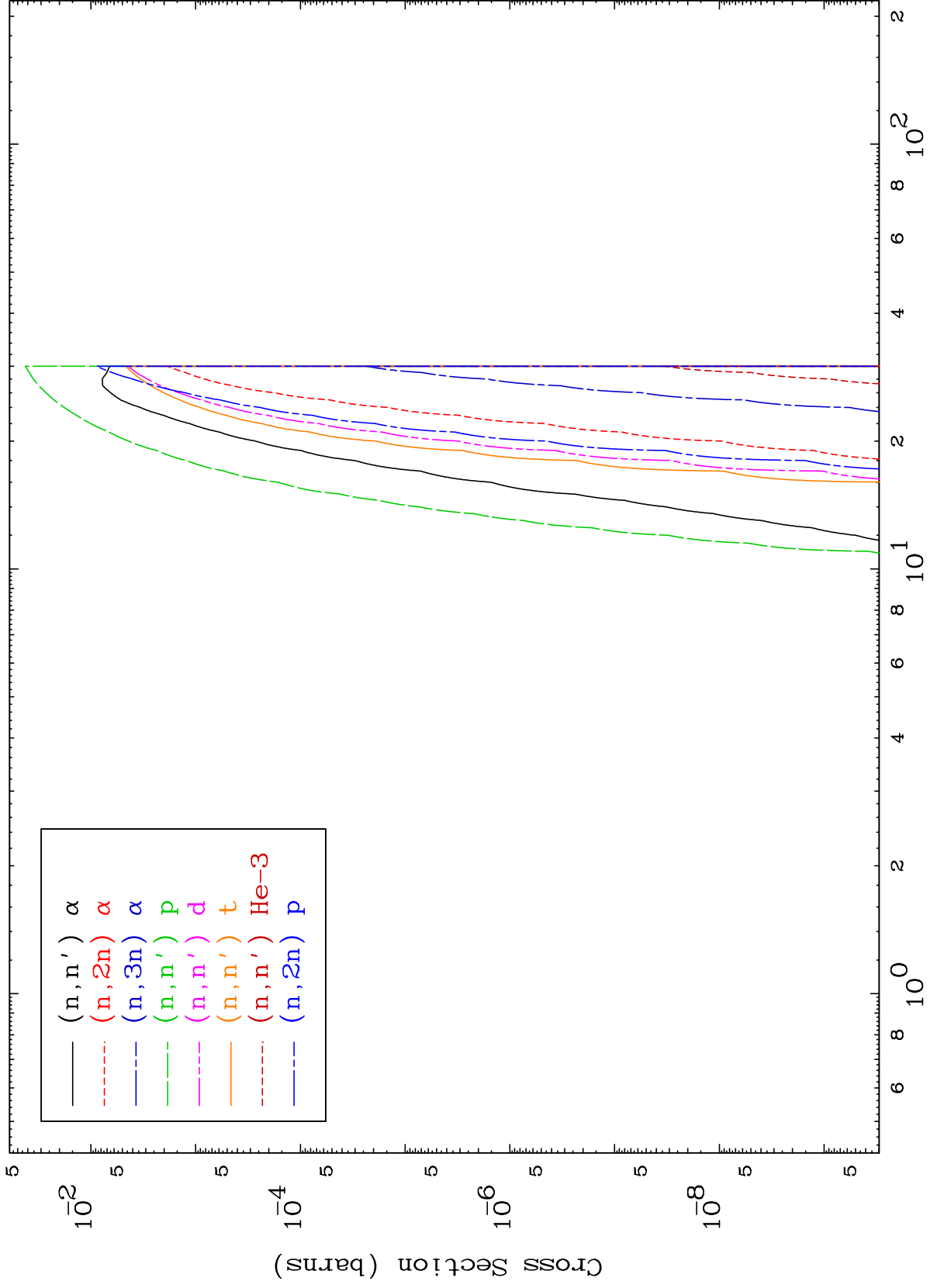




MAT 7743

Charged Particle
293 Kelvin Cross Sections

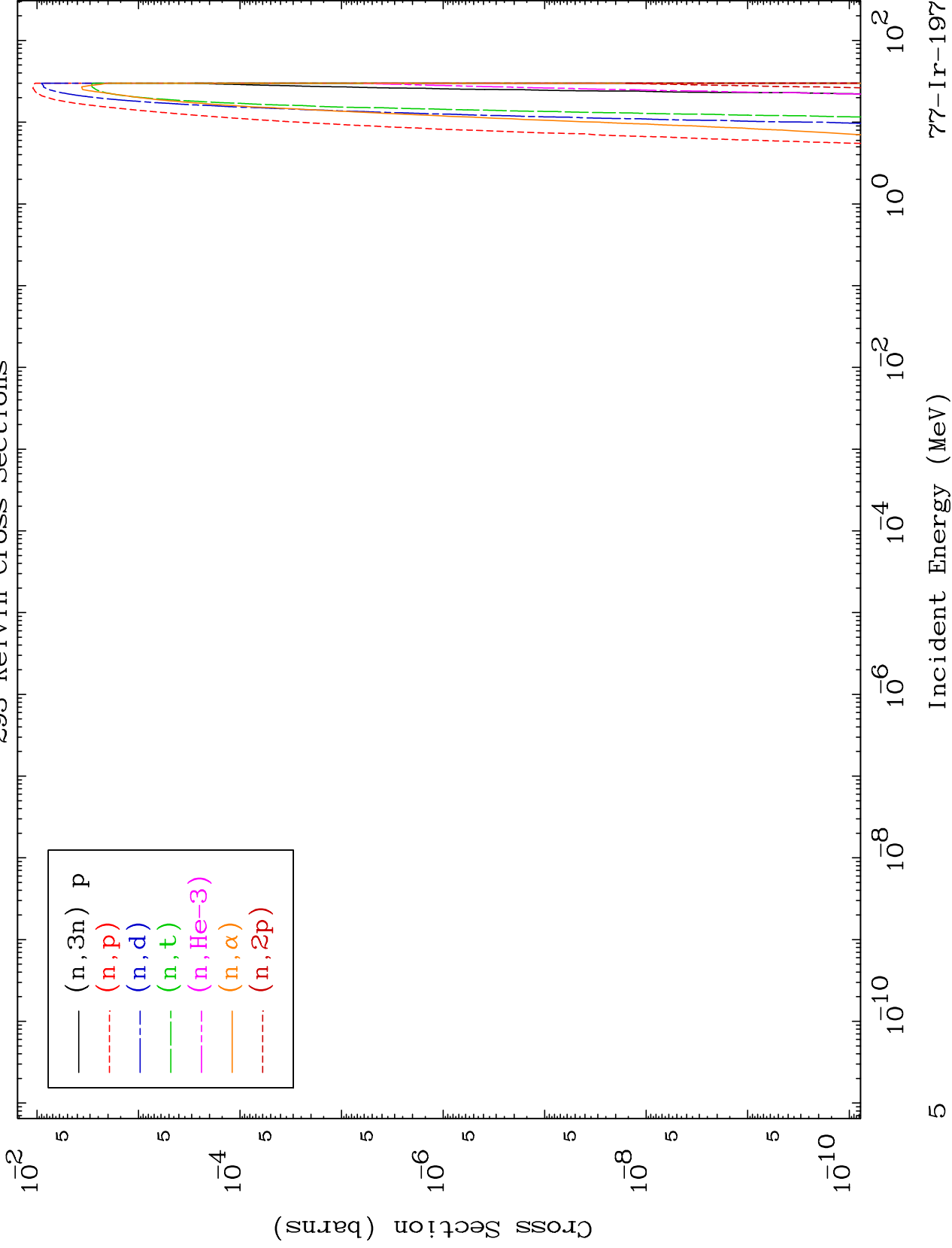
77-Ir-197



MAT 7743

Charged Particle
293 Kelvin Cross Sections

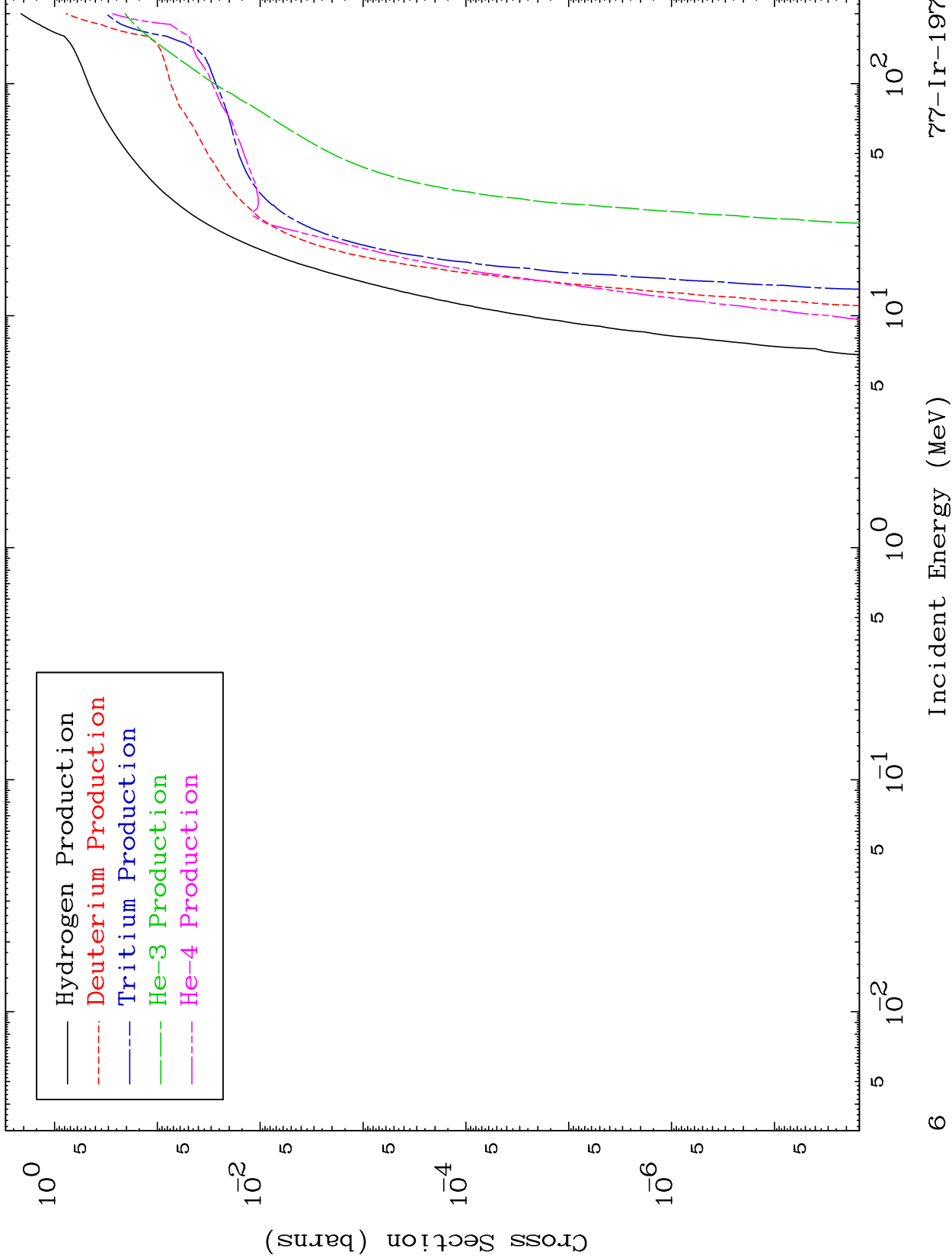
77-Ir-197



MAT 7743

Particle Production
293 Kelvin Cross Sections

77-Ir-197

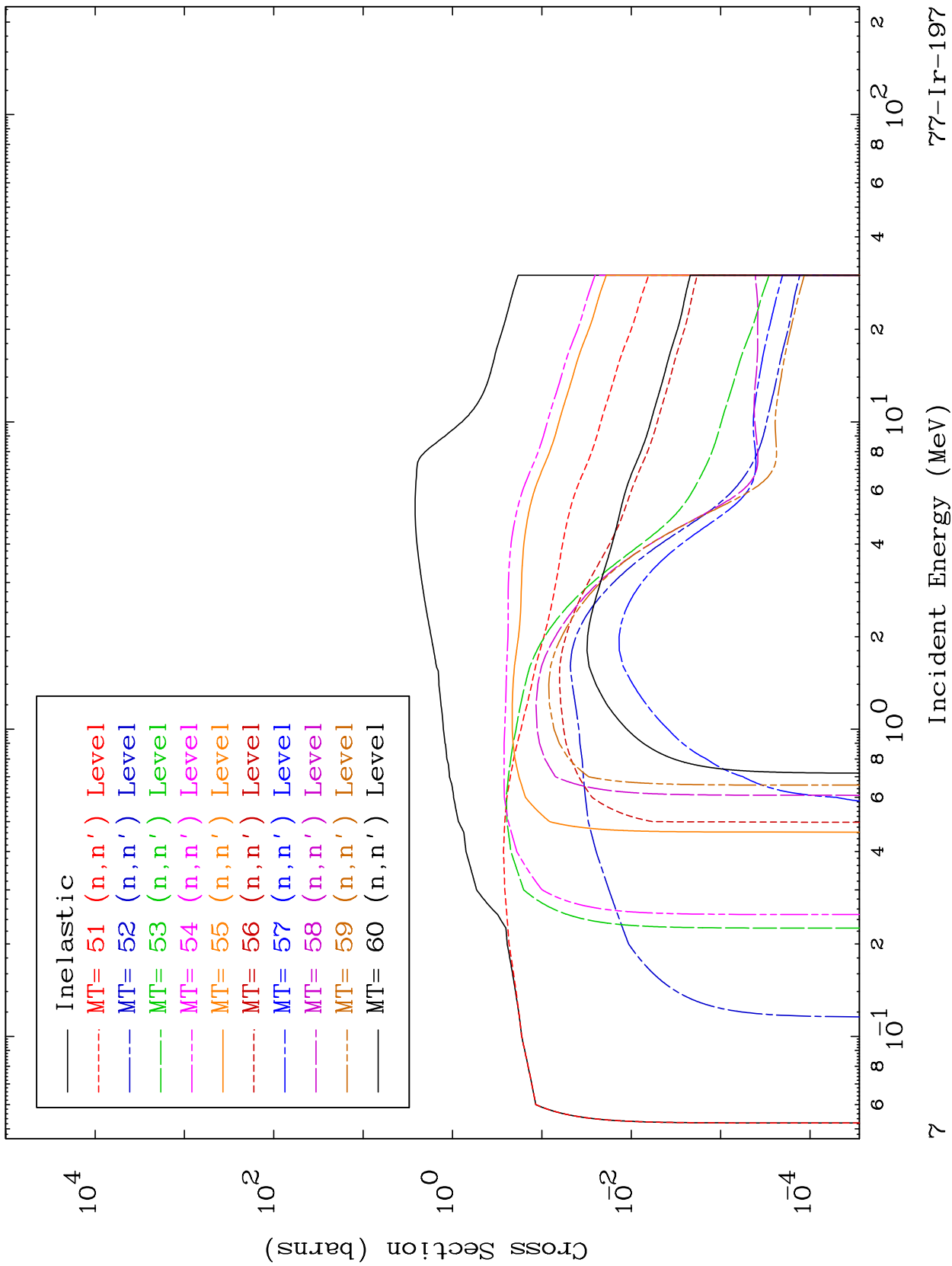


MAT 7743

(n,n') Level

77-Ir-197

293 Kelvin Cross Sections

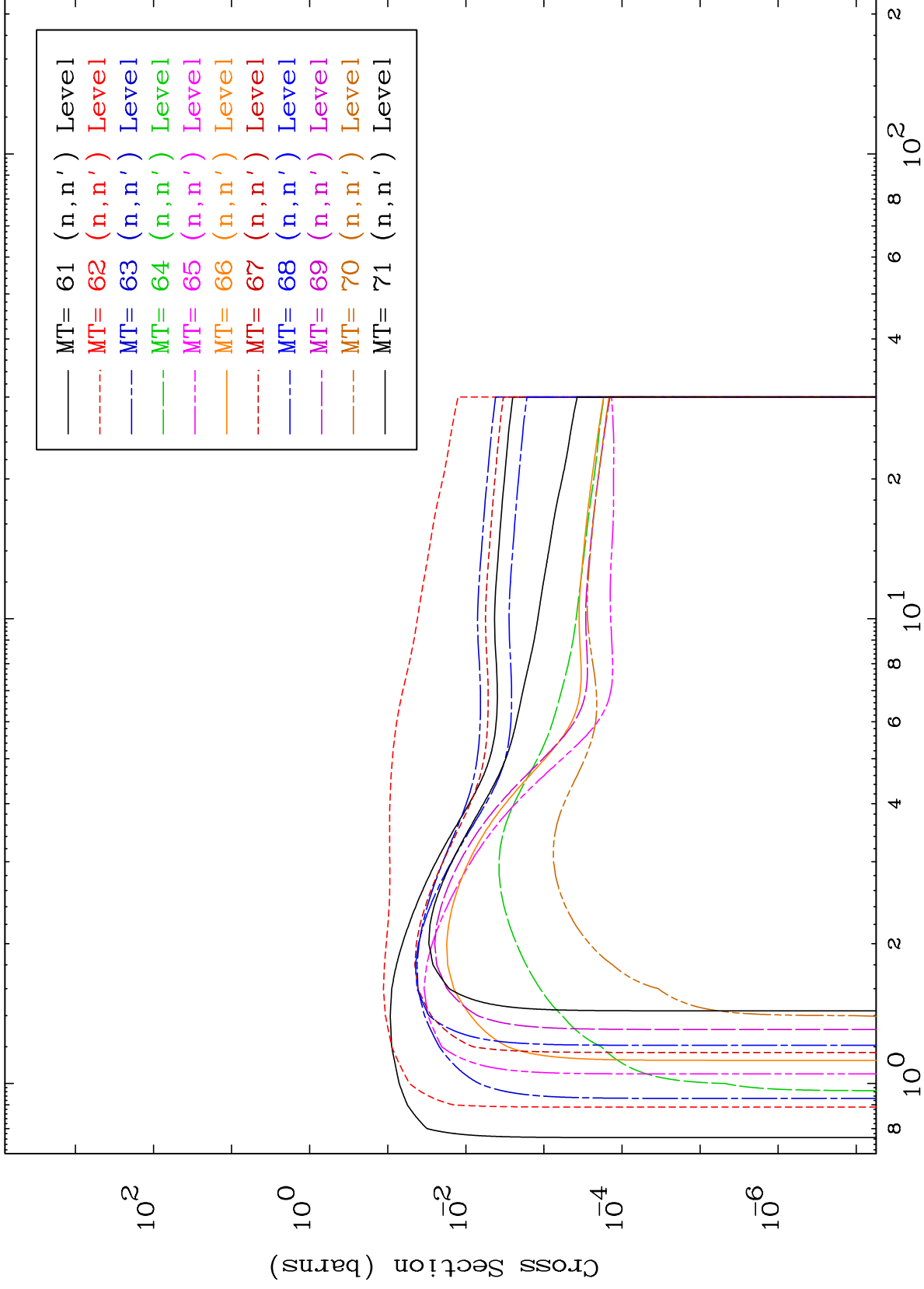


MAT 7743

(n,n') Level

77-Ir-197

293 Kelvin Cross Sections



8

Incident Energy (MeV)

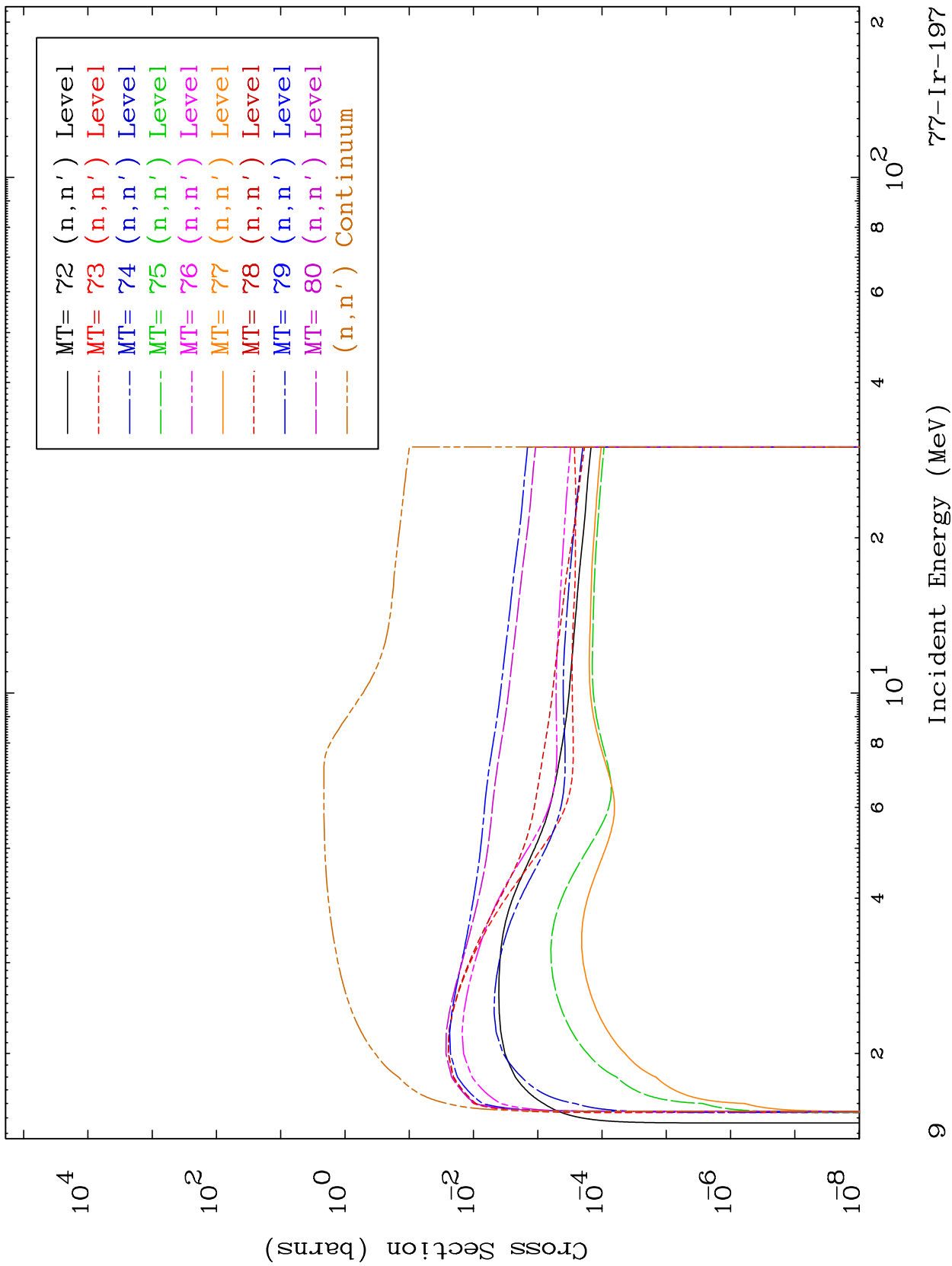
77-Ir-197

MAT 7743

(n,n') Level

77-Ir-197

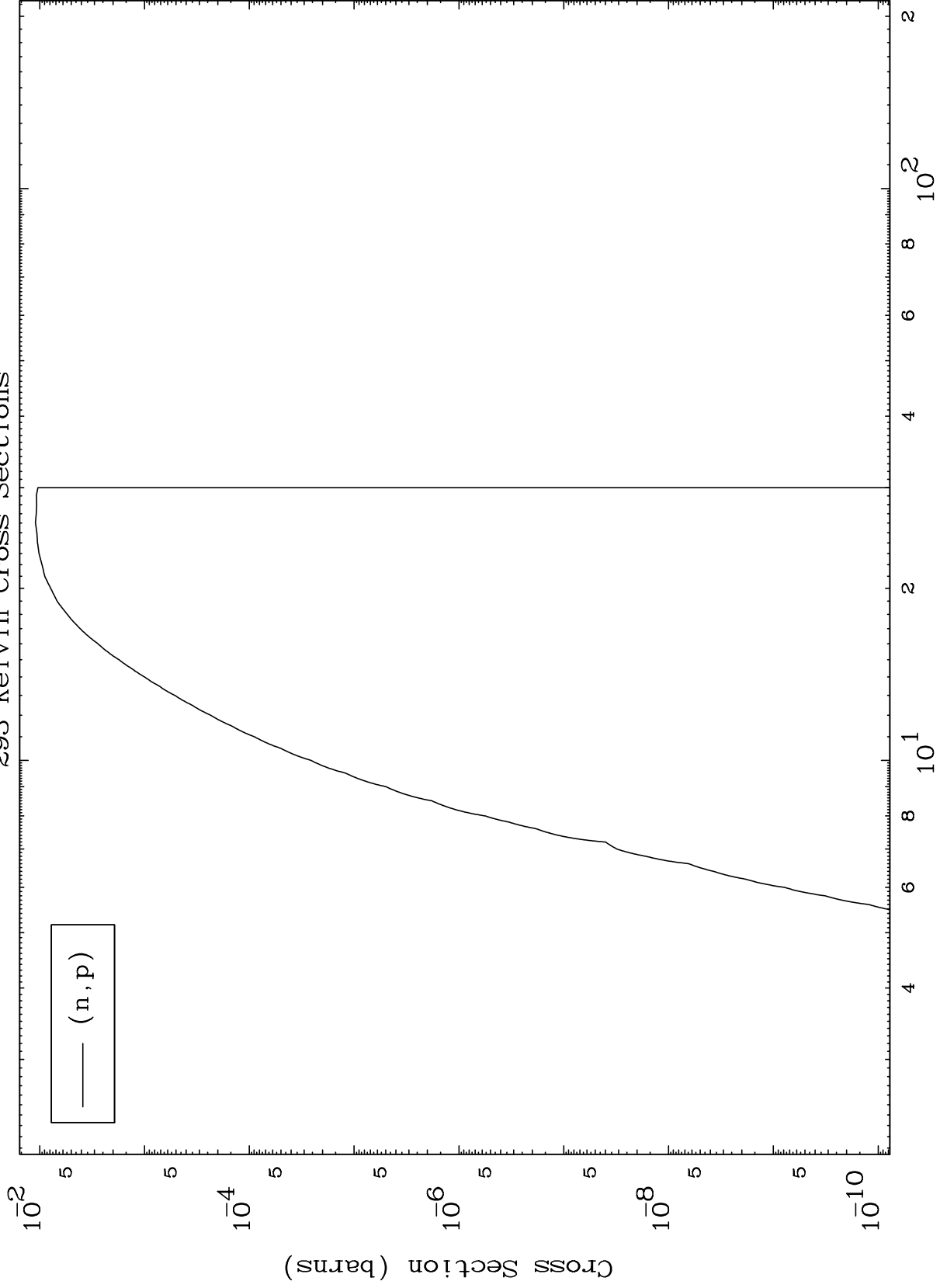
293 Kelvin Cross Sections



MAT 7743

(n,p) Levels
293 Kelvin Cross Sections

77-Ir-197



10

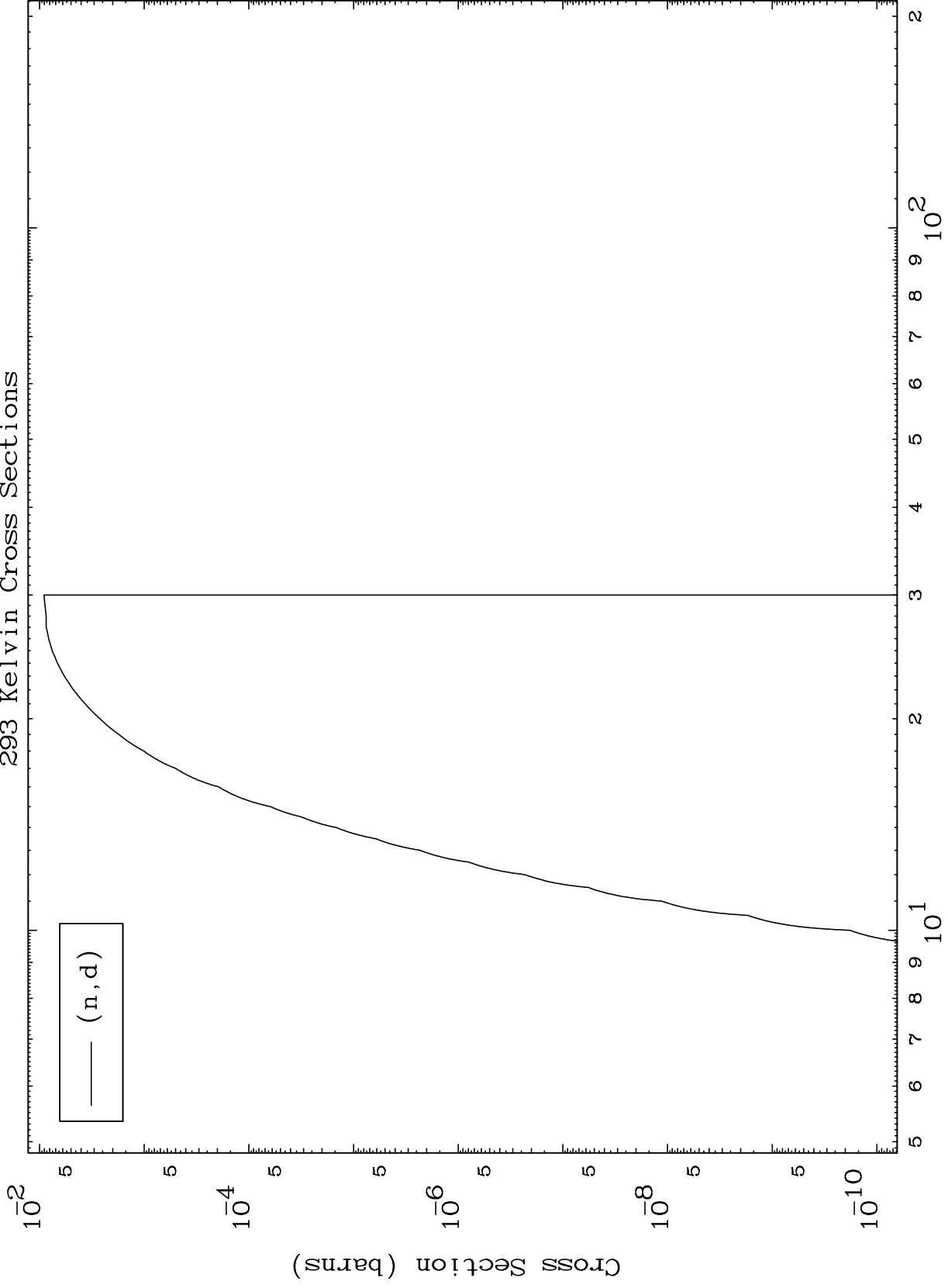
Incident Energy (MeV)

77-Ir-197

MAT 7743

(n,d) Levels
293 Kelvin Cross Sections

77-Ir-197



11

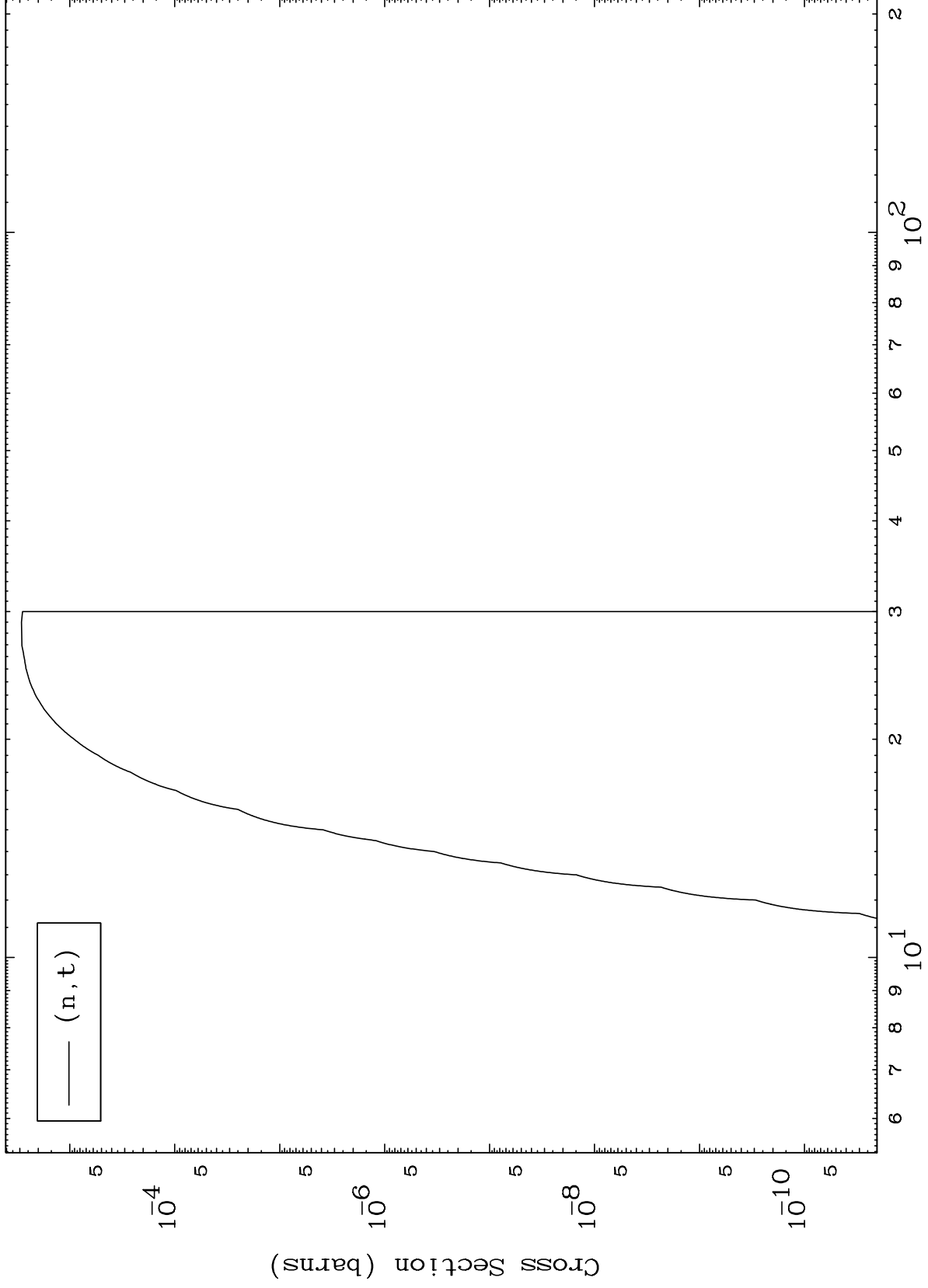
Incident Energy (MeV)

77-Ir-197

MAT 7743

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-197



12

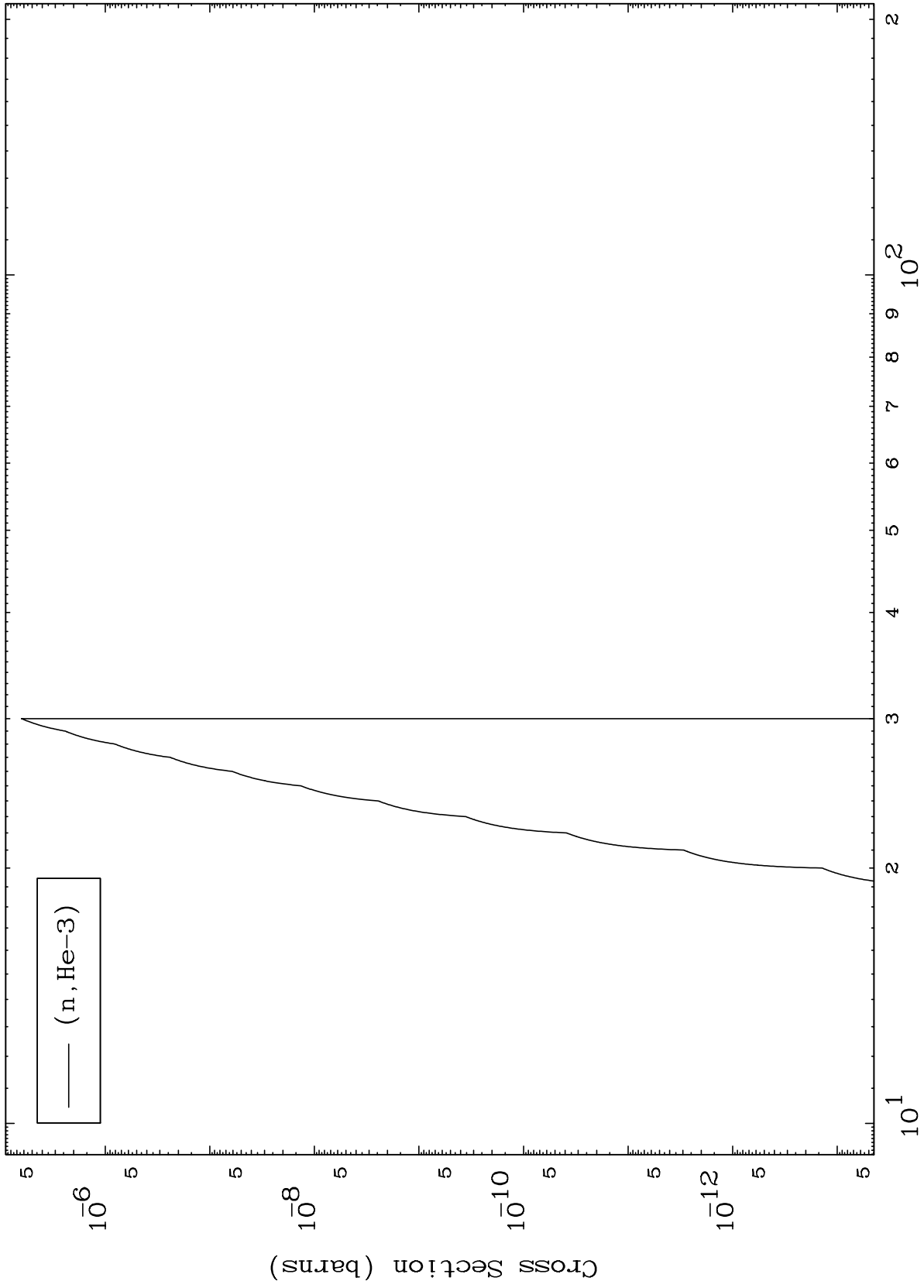
Incident Energy (MeV)

77-Ir-197

MAT 7743

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-197



13

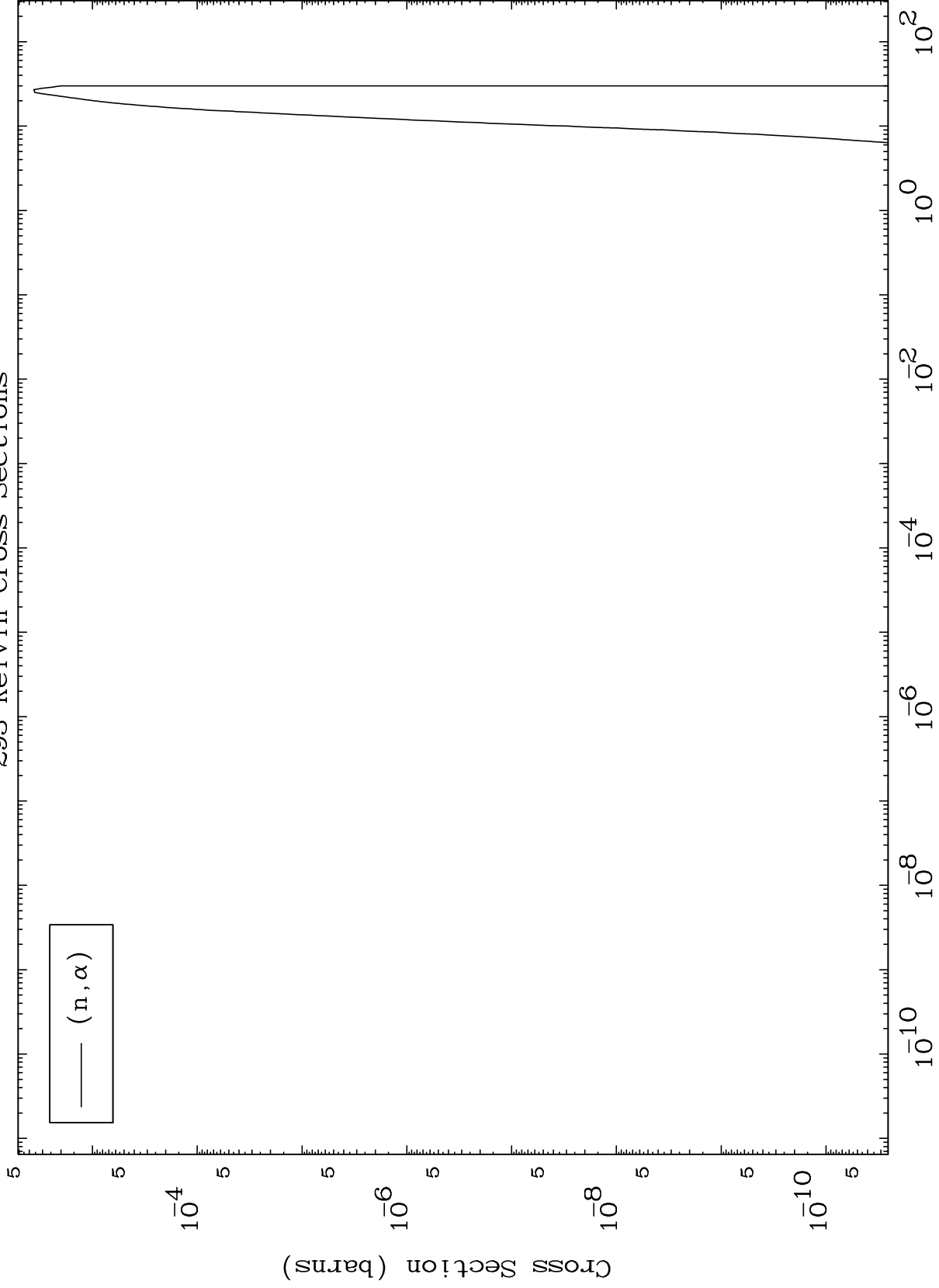
Incident Energy (MeV)

77-Ir-197

MAT 7743

(n, α) Levels
293 Kelvin Cross Sections

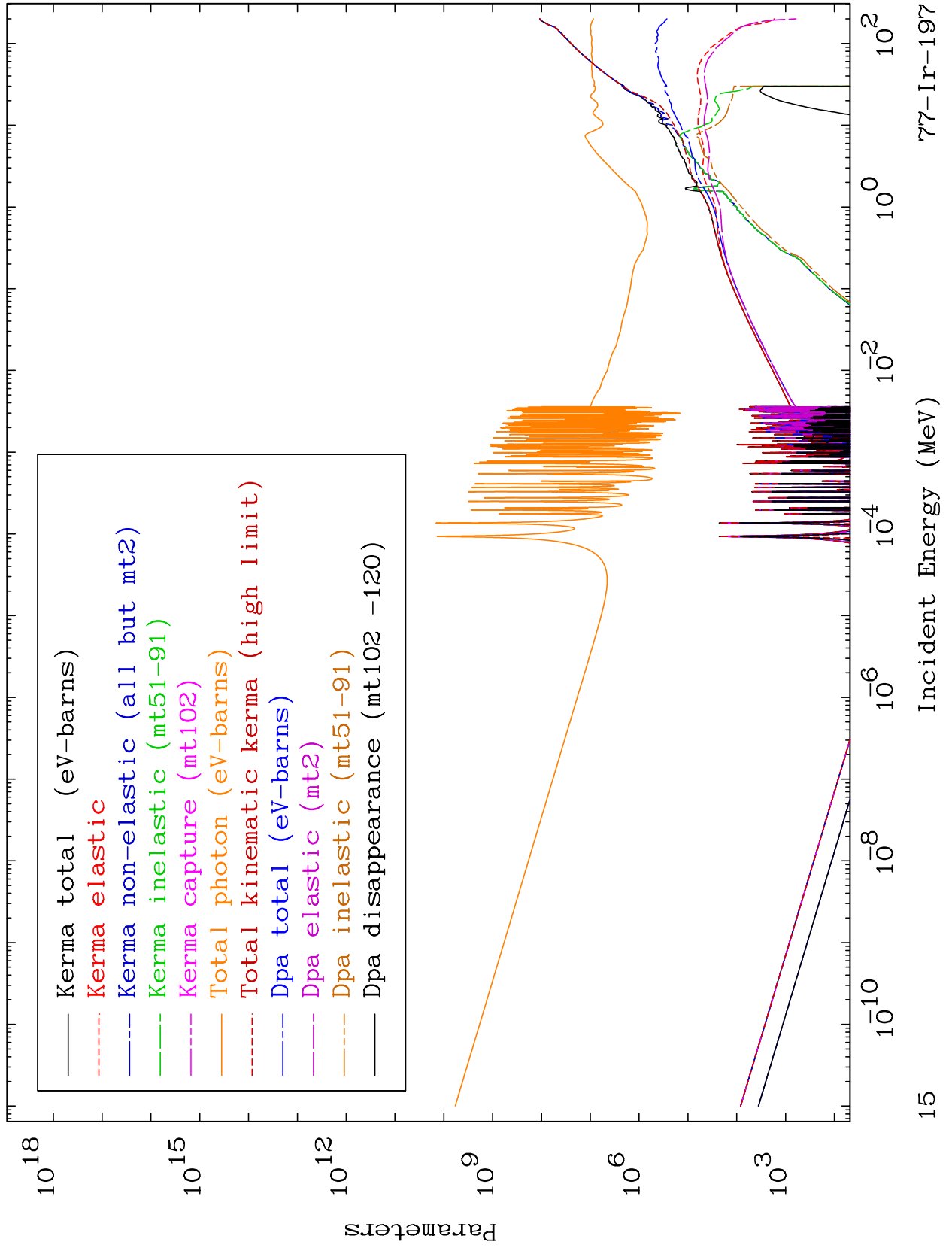
77-Ir-197



14

Incident Energy (MeV)

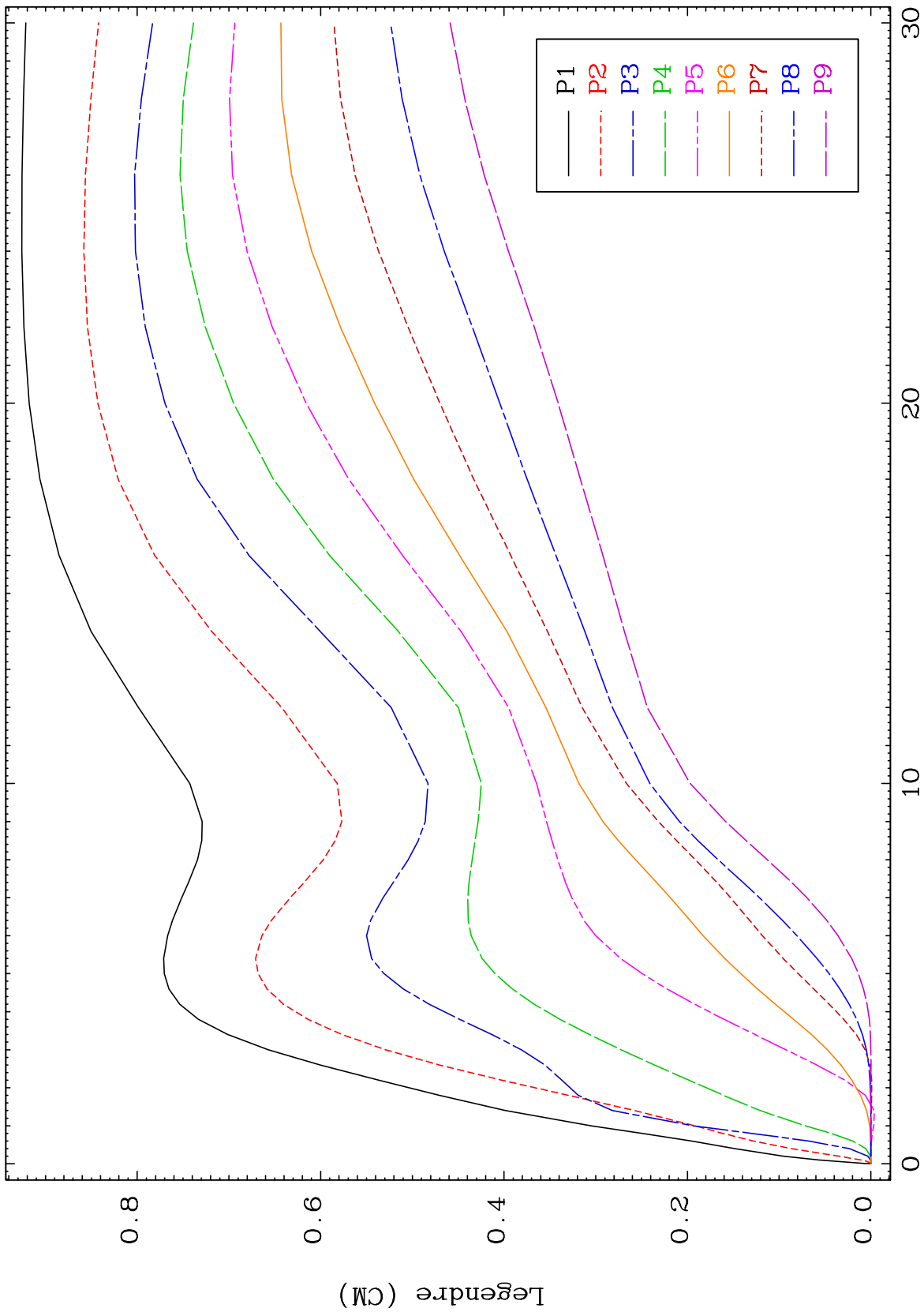
77-Ir-197



MAT 7743

77-Ir-197

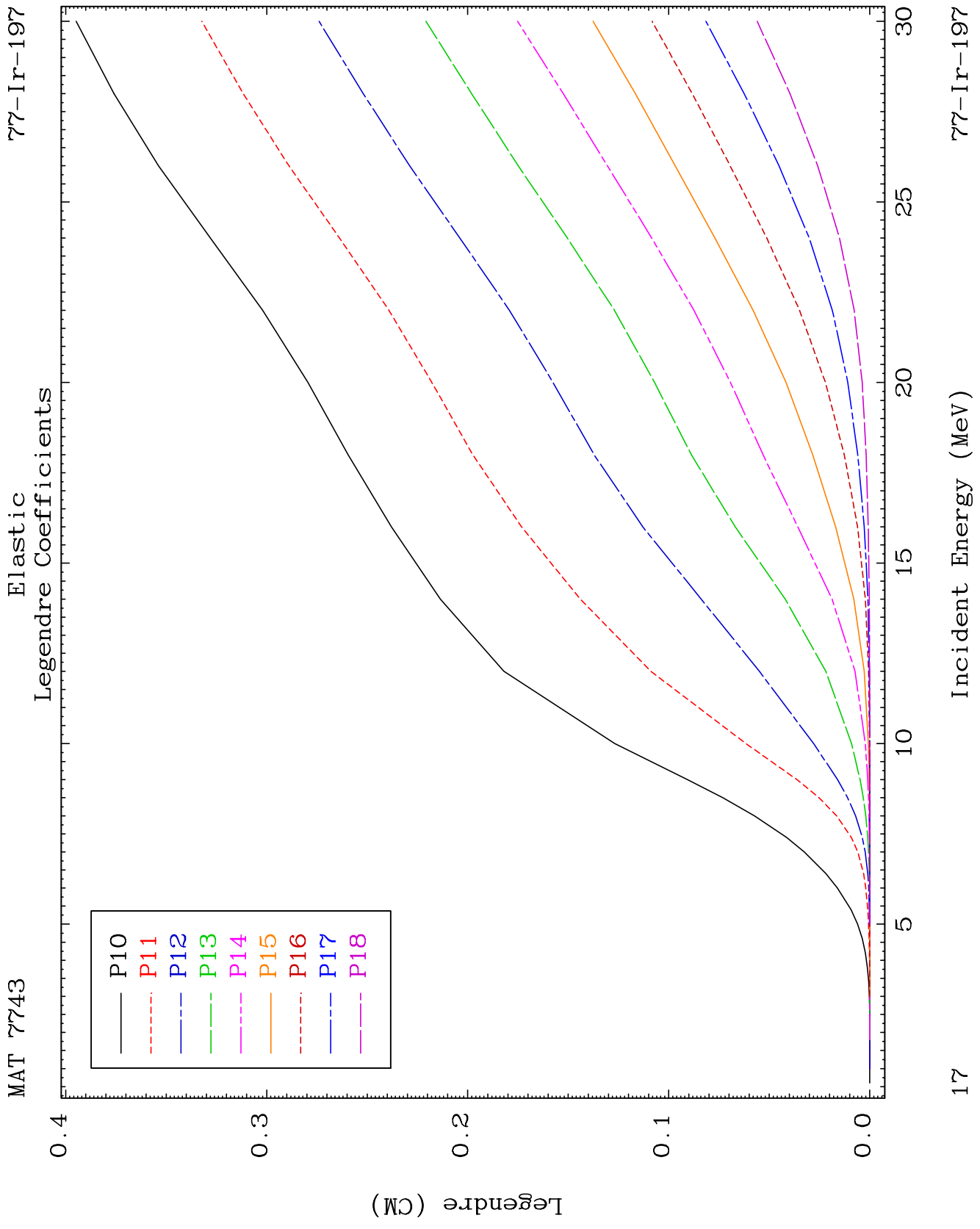
Elastic Legendre Coefficients



16

Incident Energy (MeV)

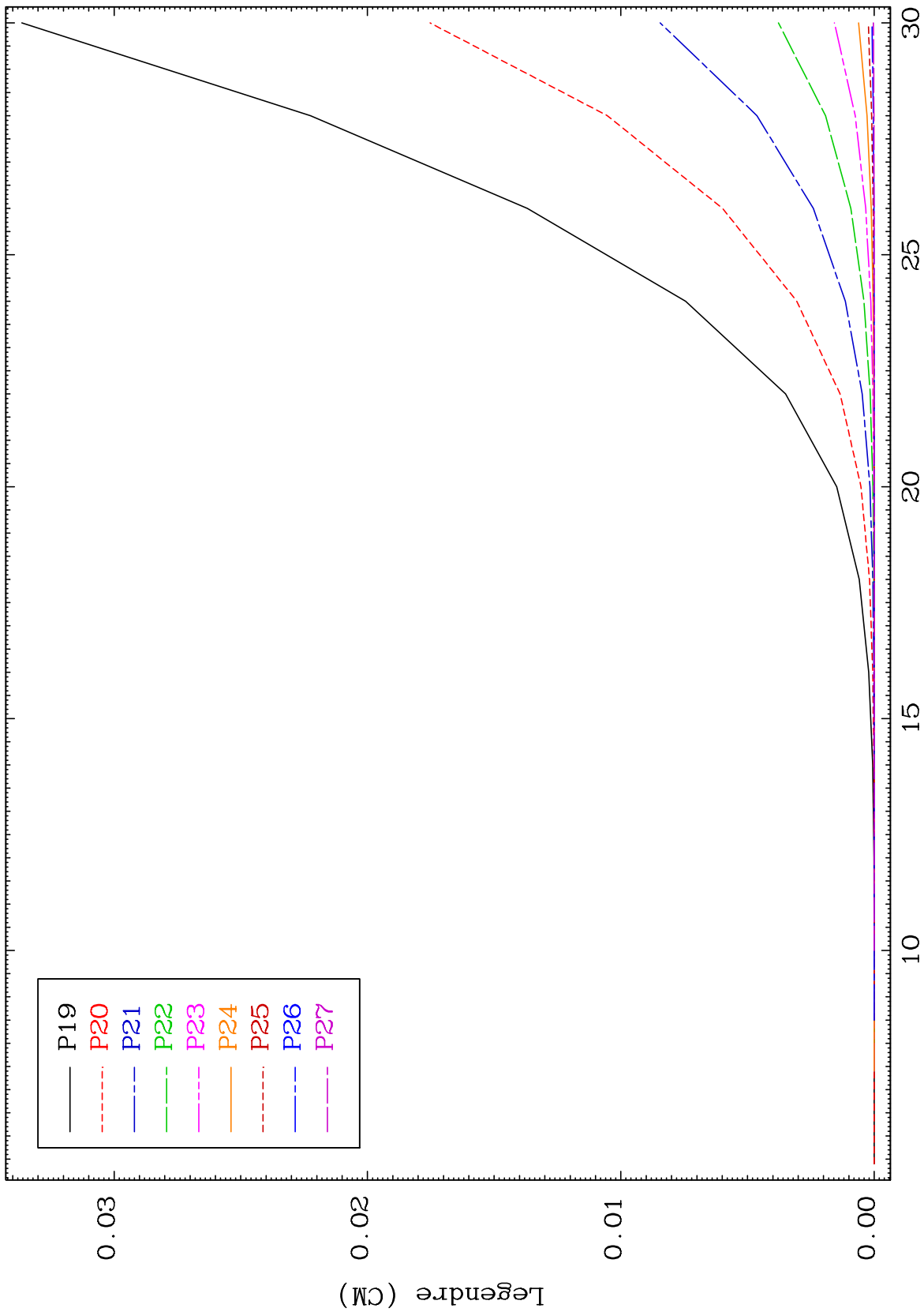
77-Ir-197



MAT 7743

Elastic Legendre Coefficients

77-Ir-197



18

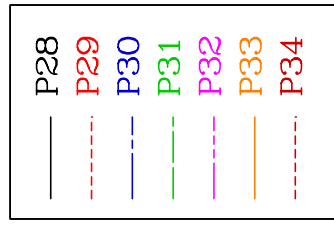
Incident Energy (MeV)

77-Ir-197

MAT 7743

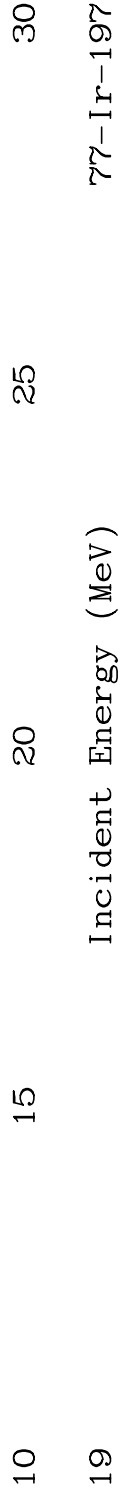
Elastic Legendre Coefficients

77-Ir-197



$\times 10^{-5}$
1.0
0.8
0.6
0.4
0.2
0.0

Legendre (CM)



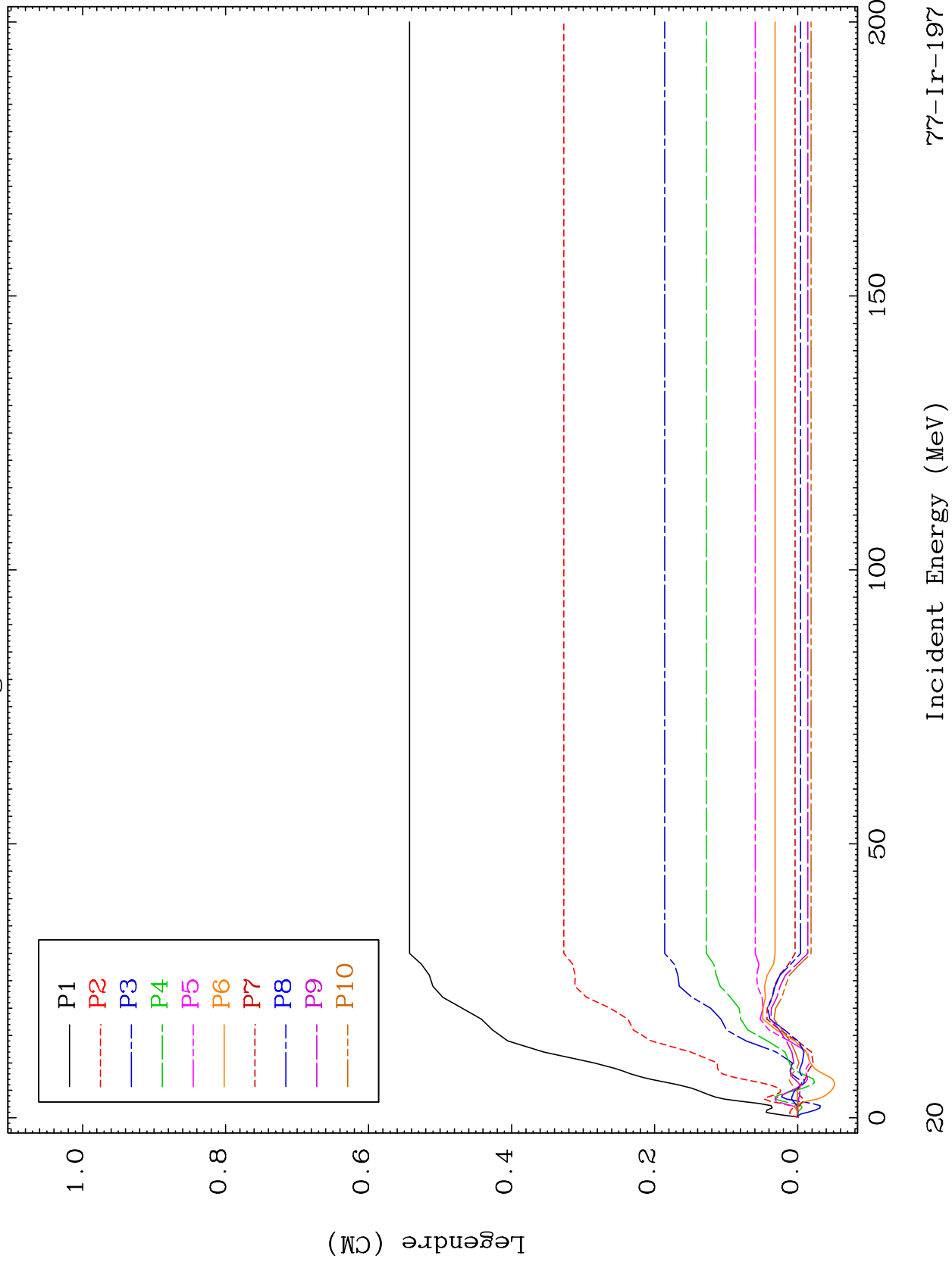
Incident Energy (MeV)

19

MAT 7743

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

77-Ir-197

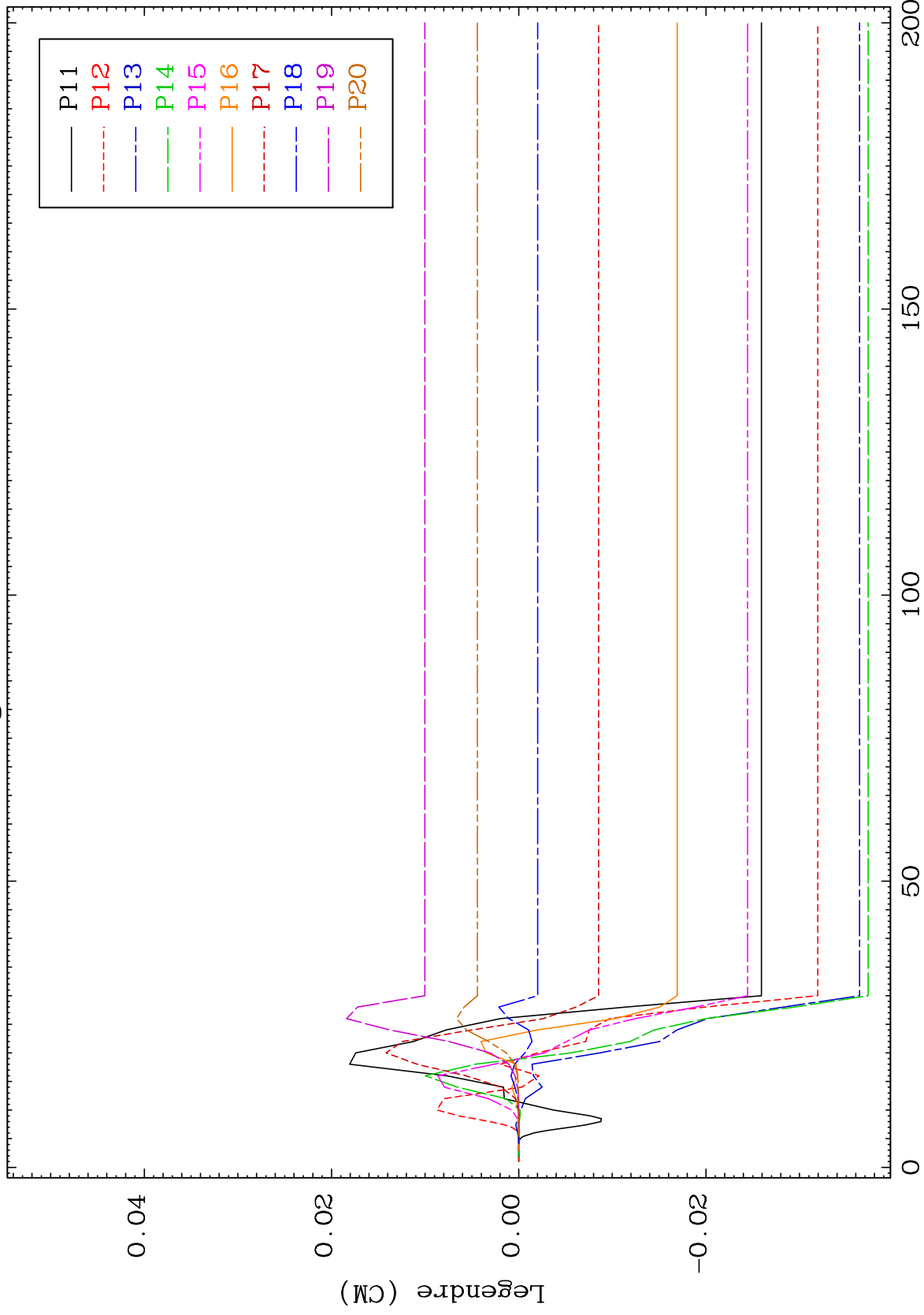


77-Ir-197

MAT 7743

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

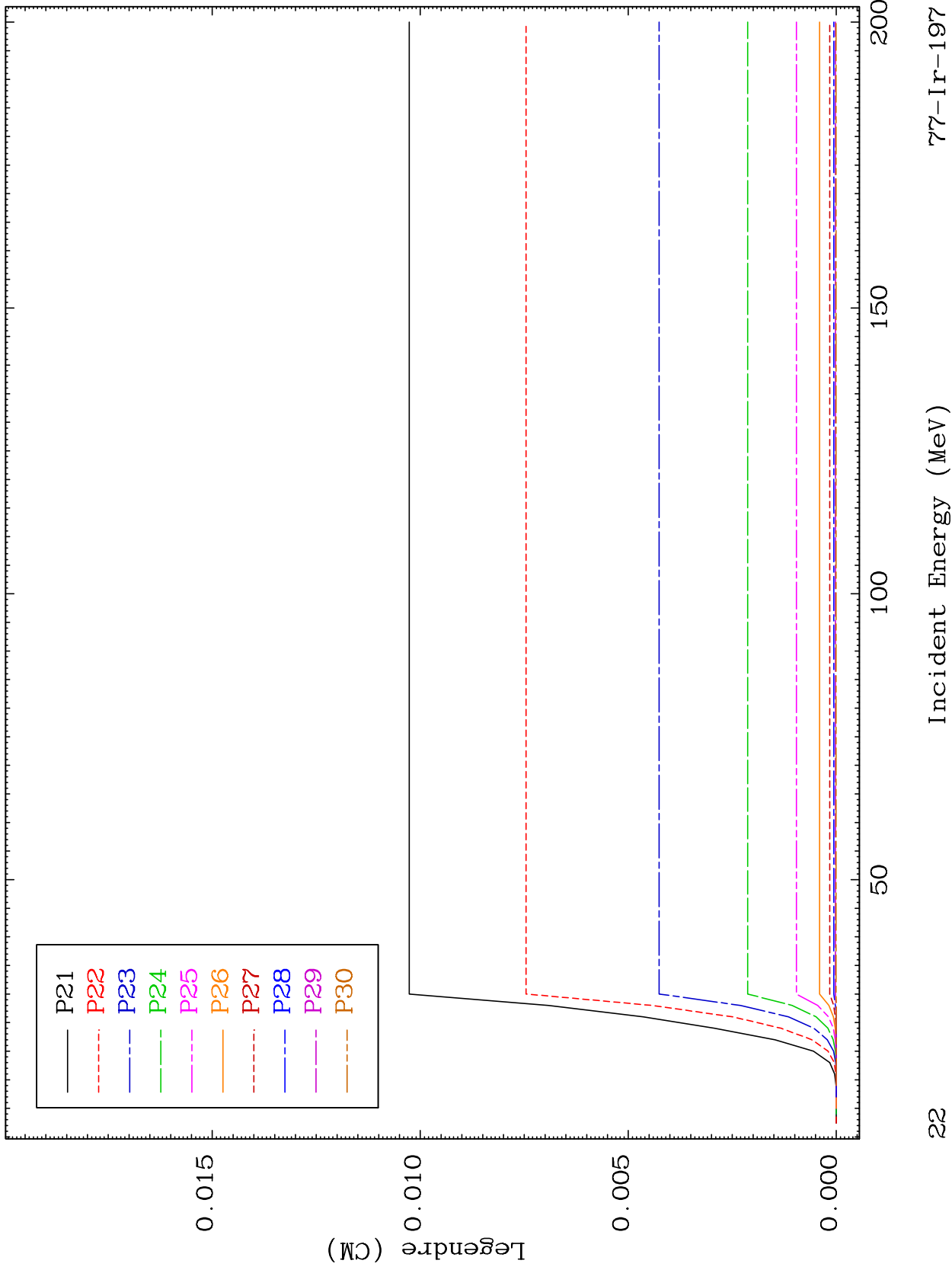
77-Ir-197

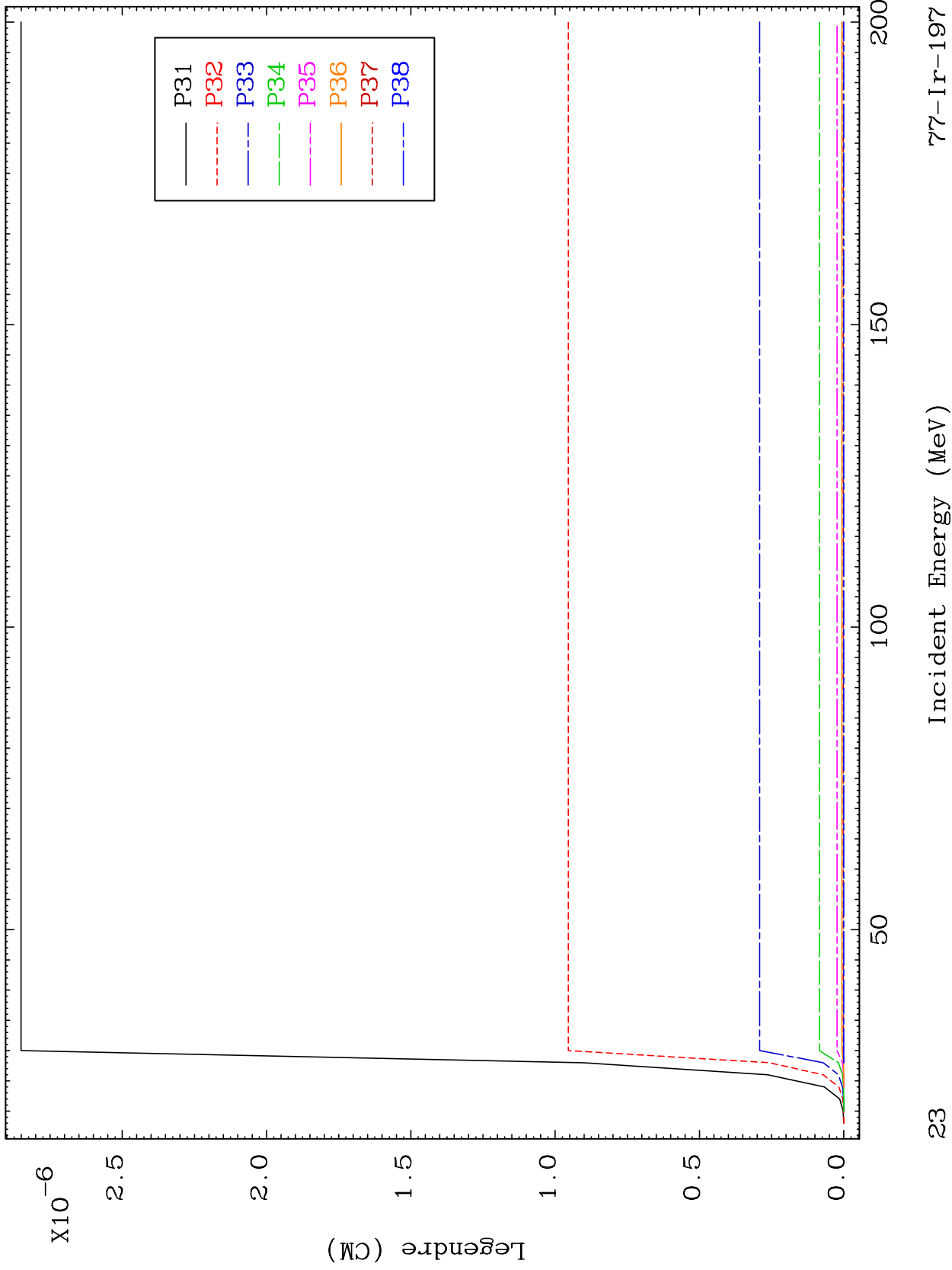


21

Incident Energy (MeV)

77-Ir-197

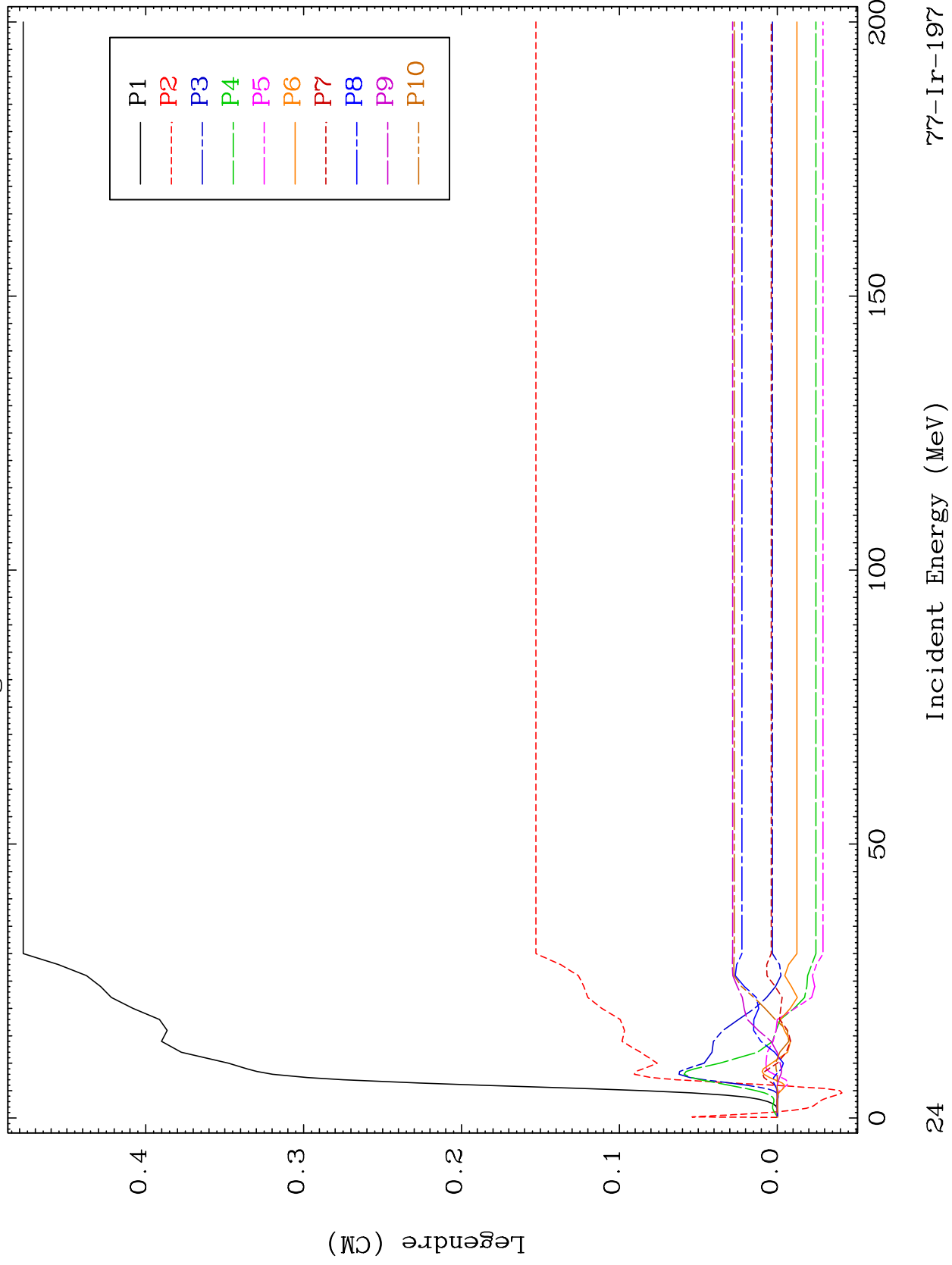




MAT 7743

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

77-Ir-197



77-Ir-197

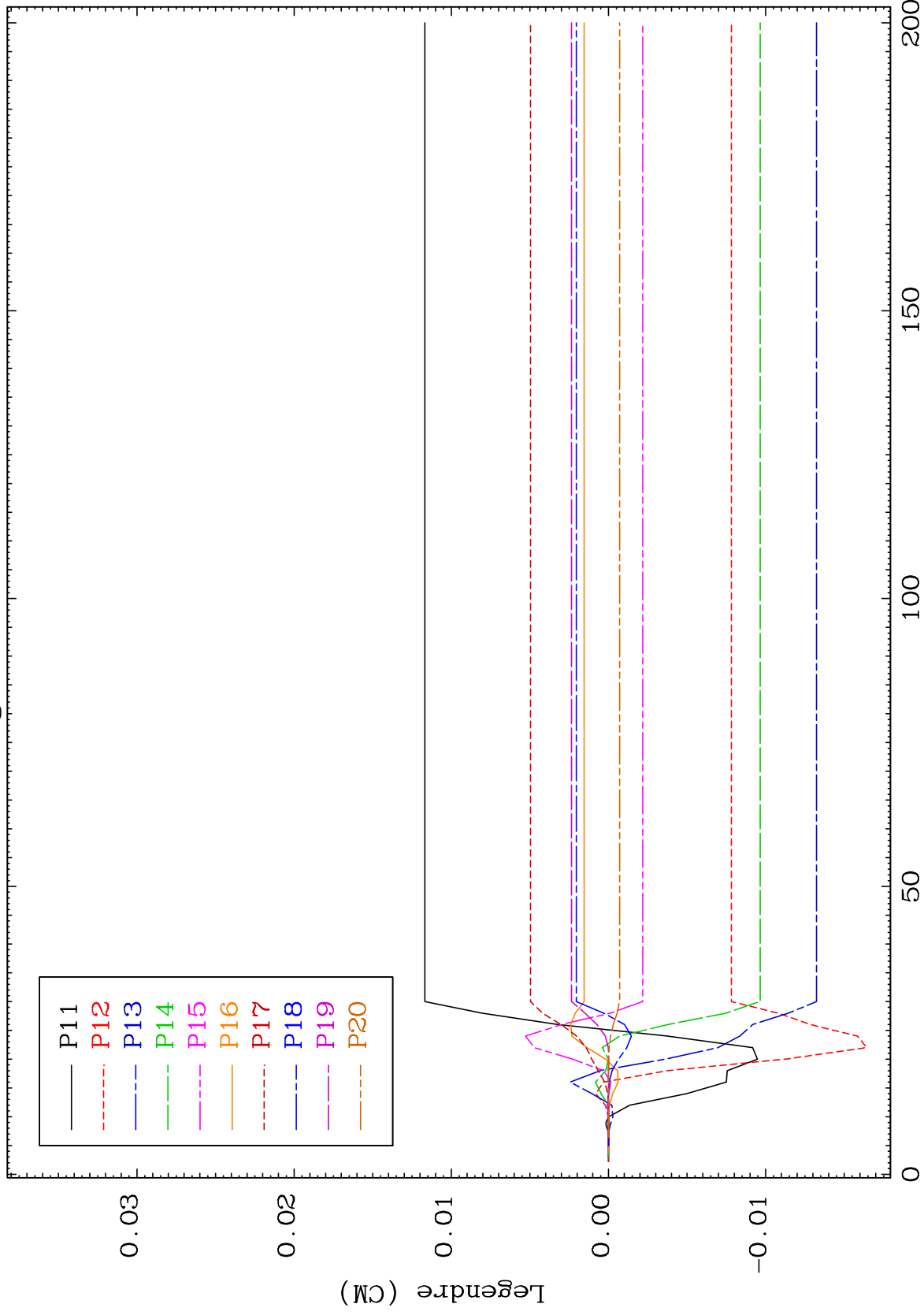
Incident Energy (MeV)

24

MAT 7743

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

77-Ir-197



25

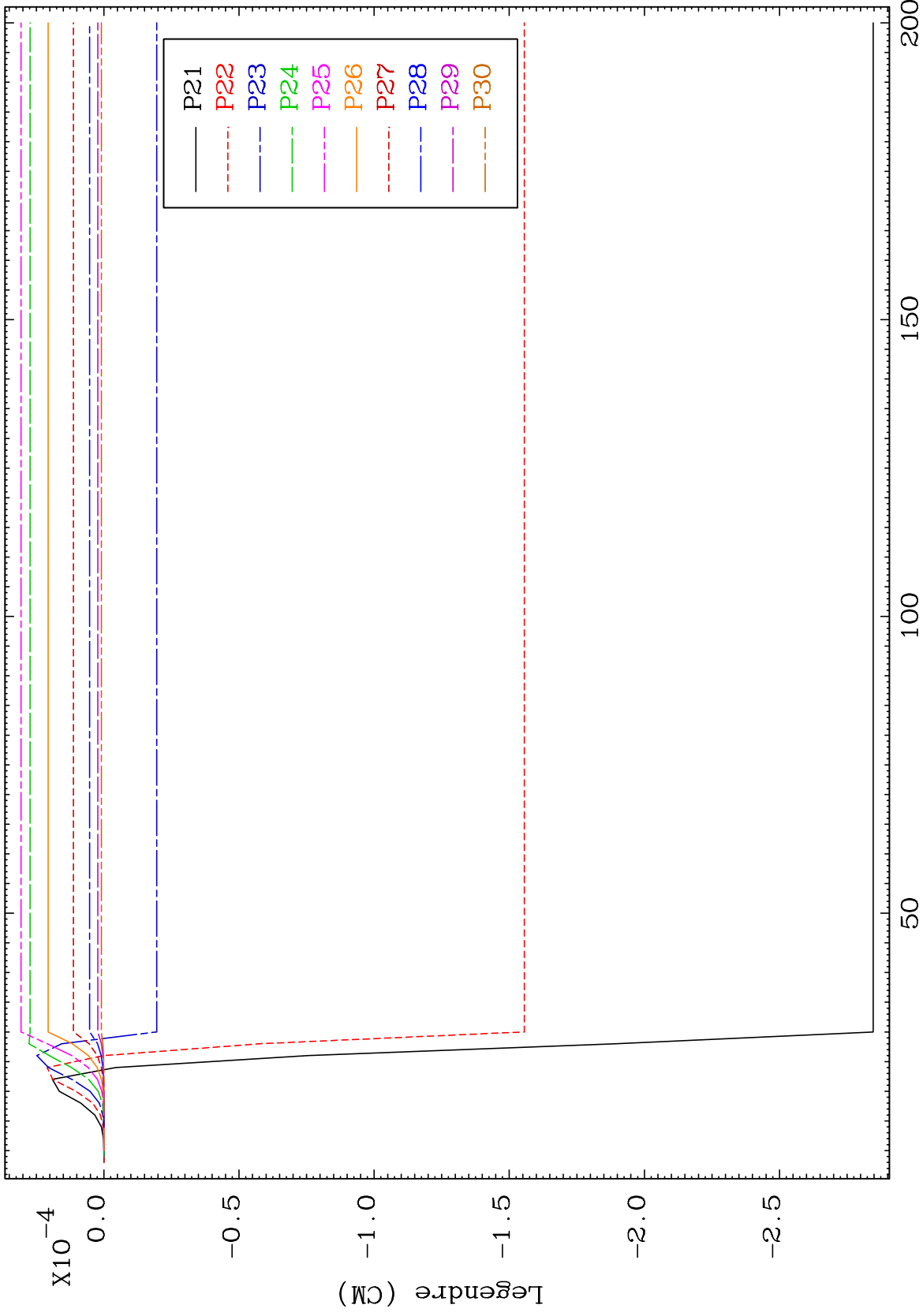
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



26

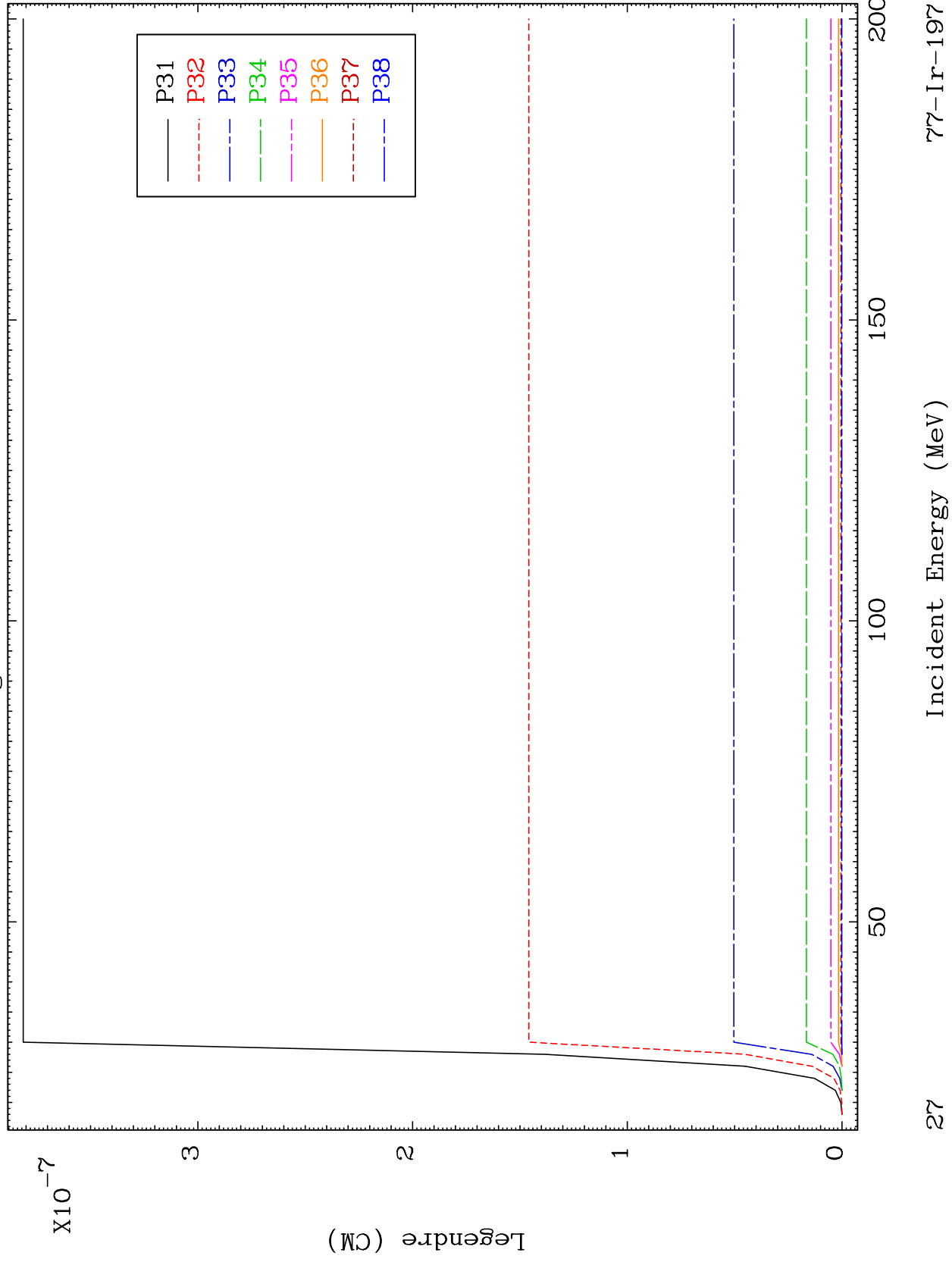
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

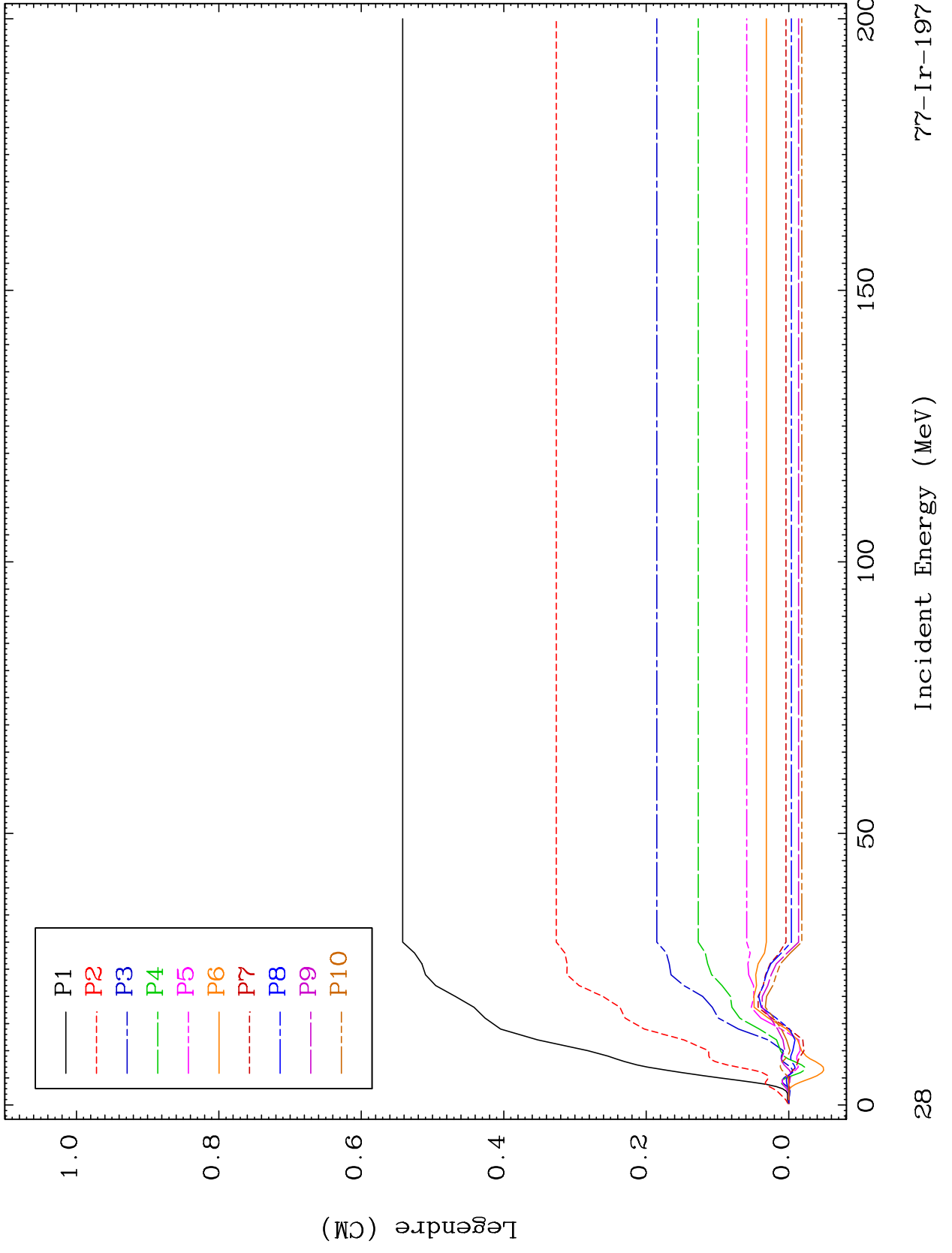
77-Ir-197



MAT 7743

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

77-Ir-197



28

Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



29

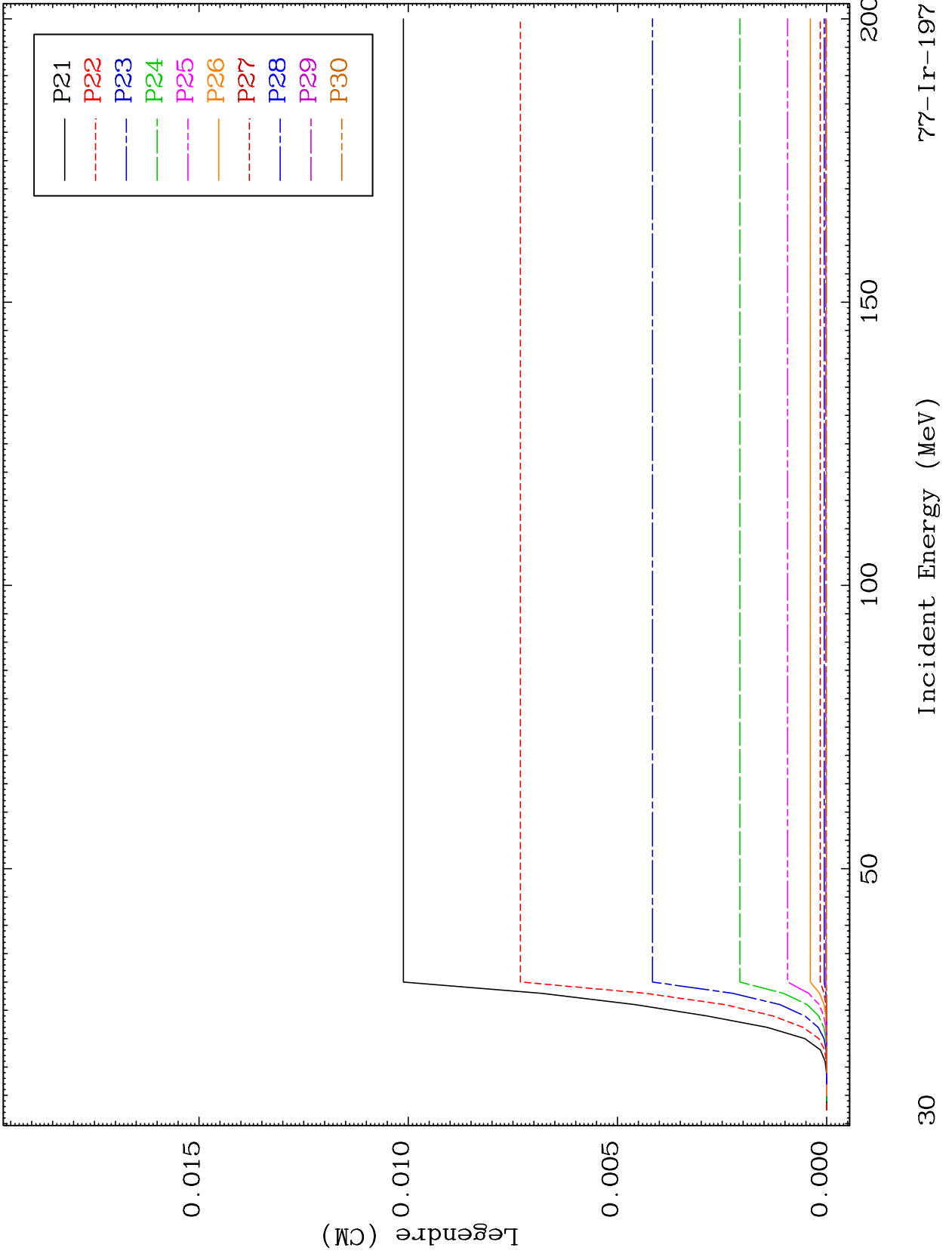
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



77-Ir-197

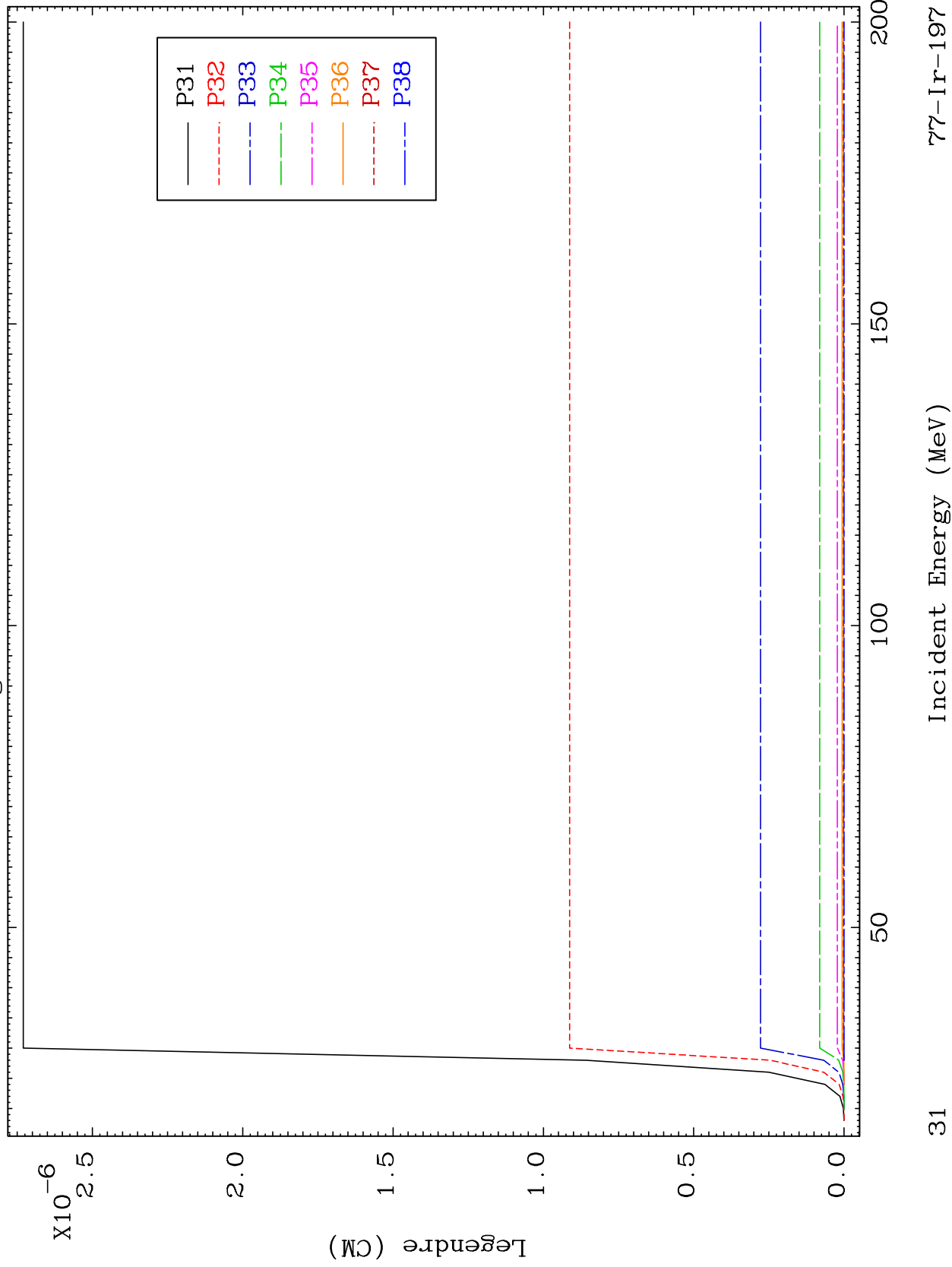
Incident Energy (MeV)

30

MAT 7743

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

77-Ir-197



31

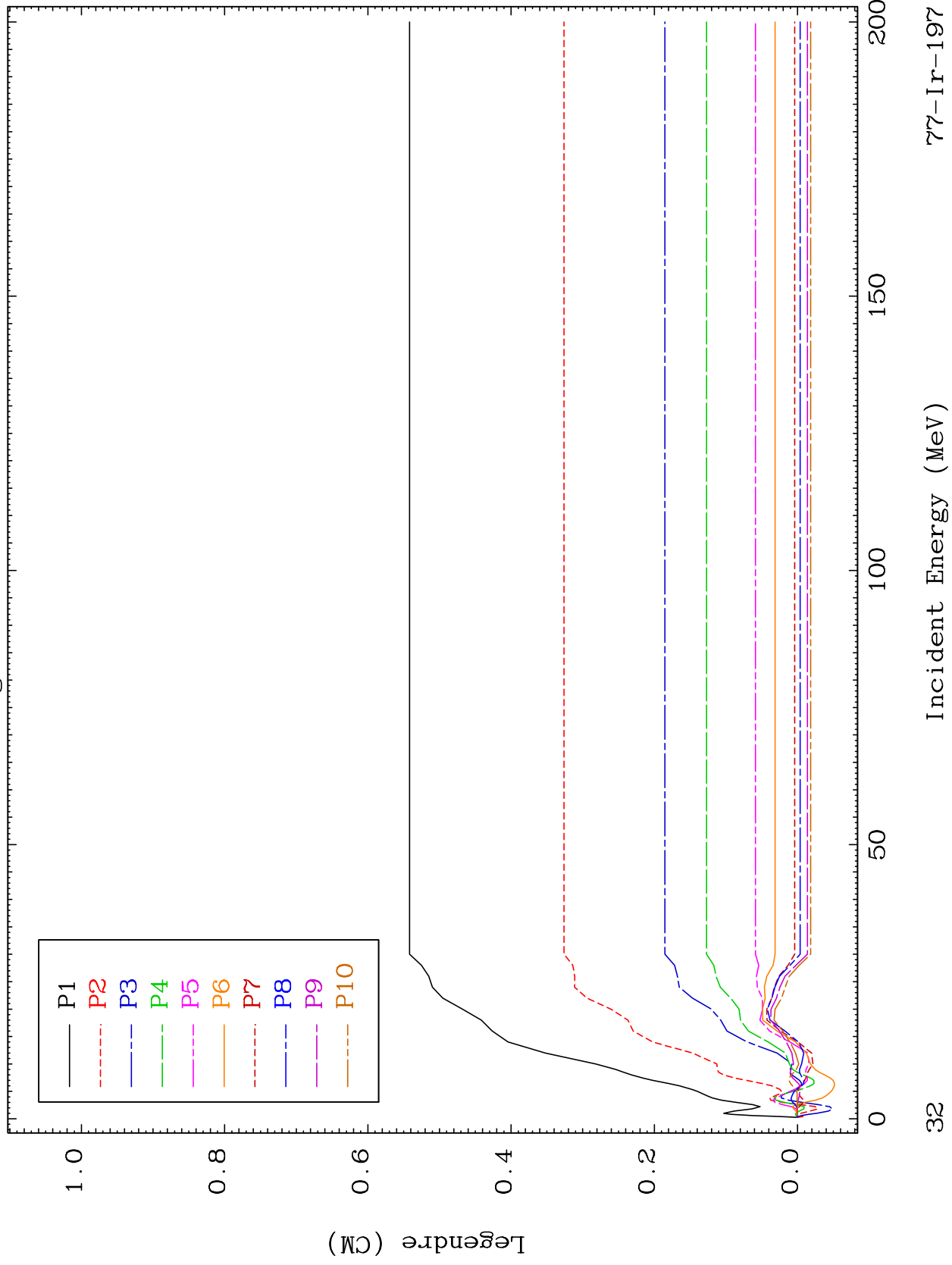
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



77-Ir-197

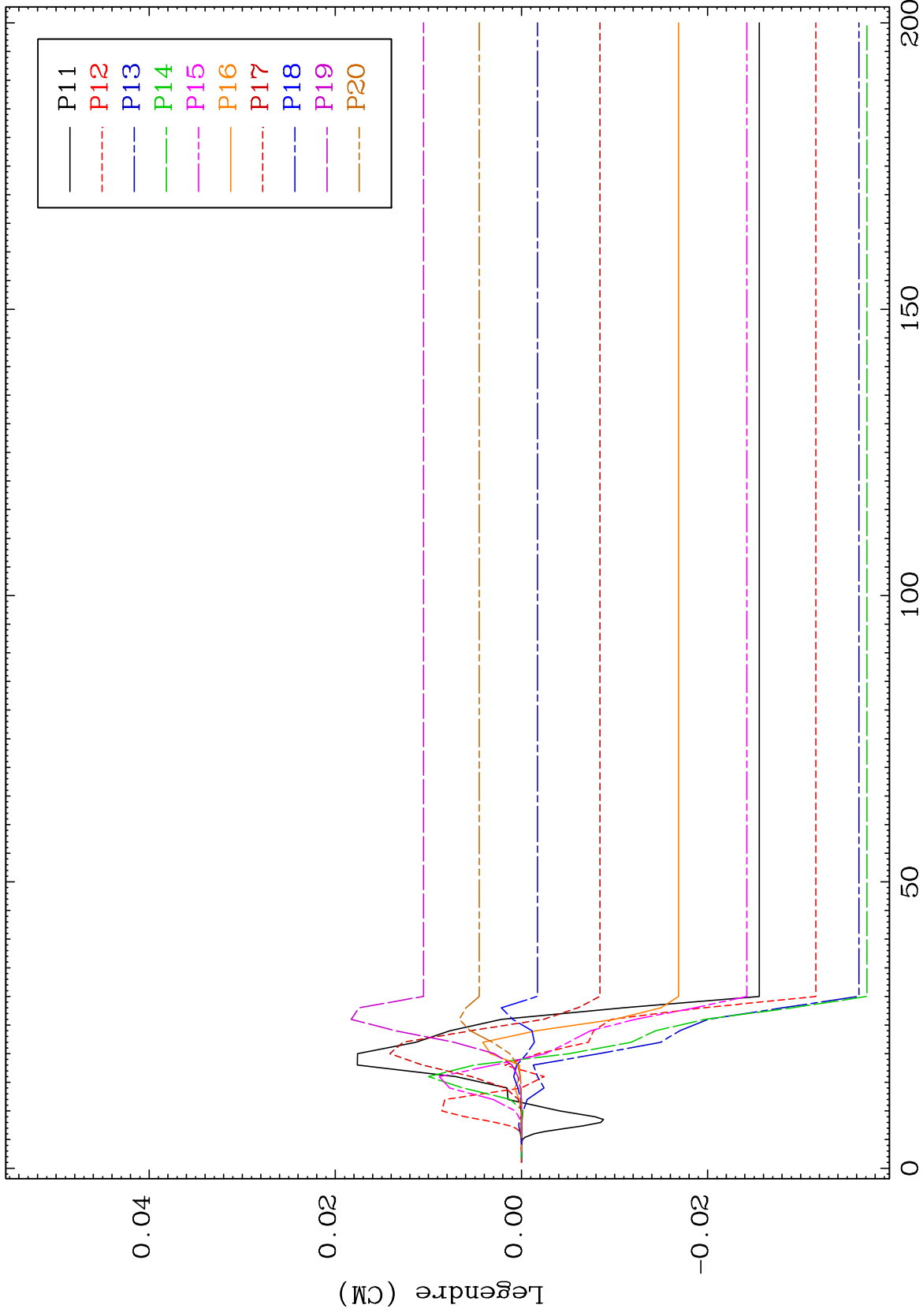
Incident Energy (MeV)

32

MAT 7743

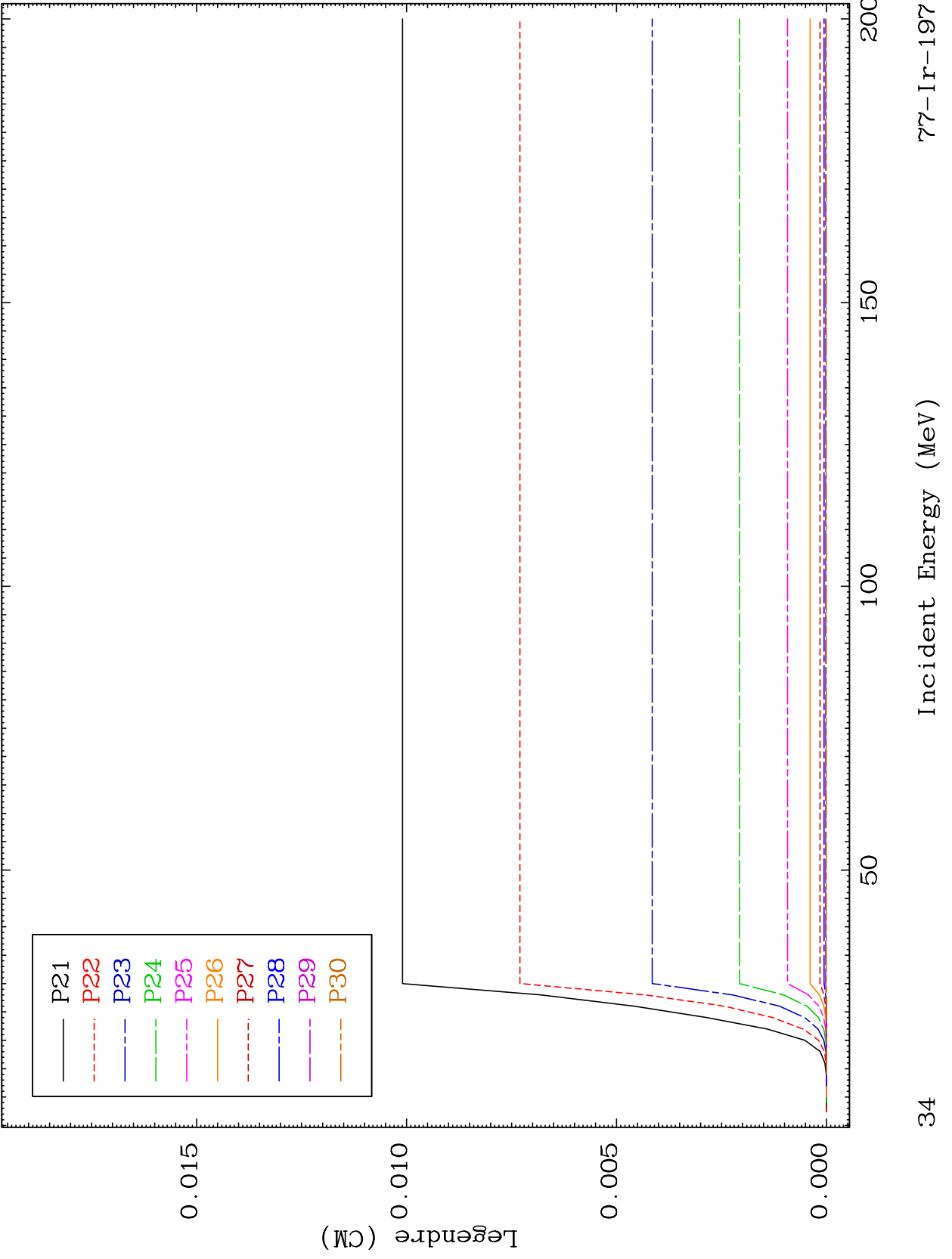
MT= 54 (n,n') Level
Legendre Coefficients

77-Ir-197



33

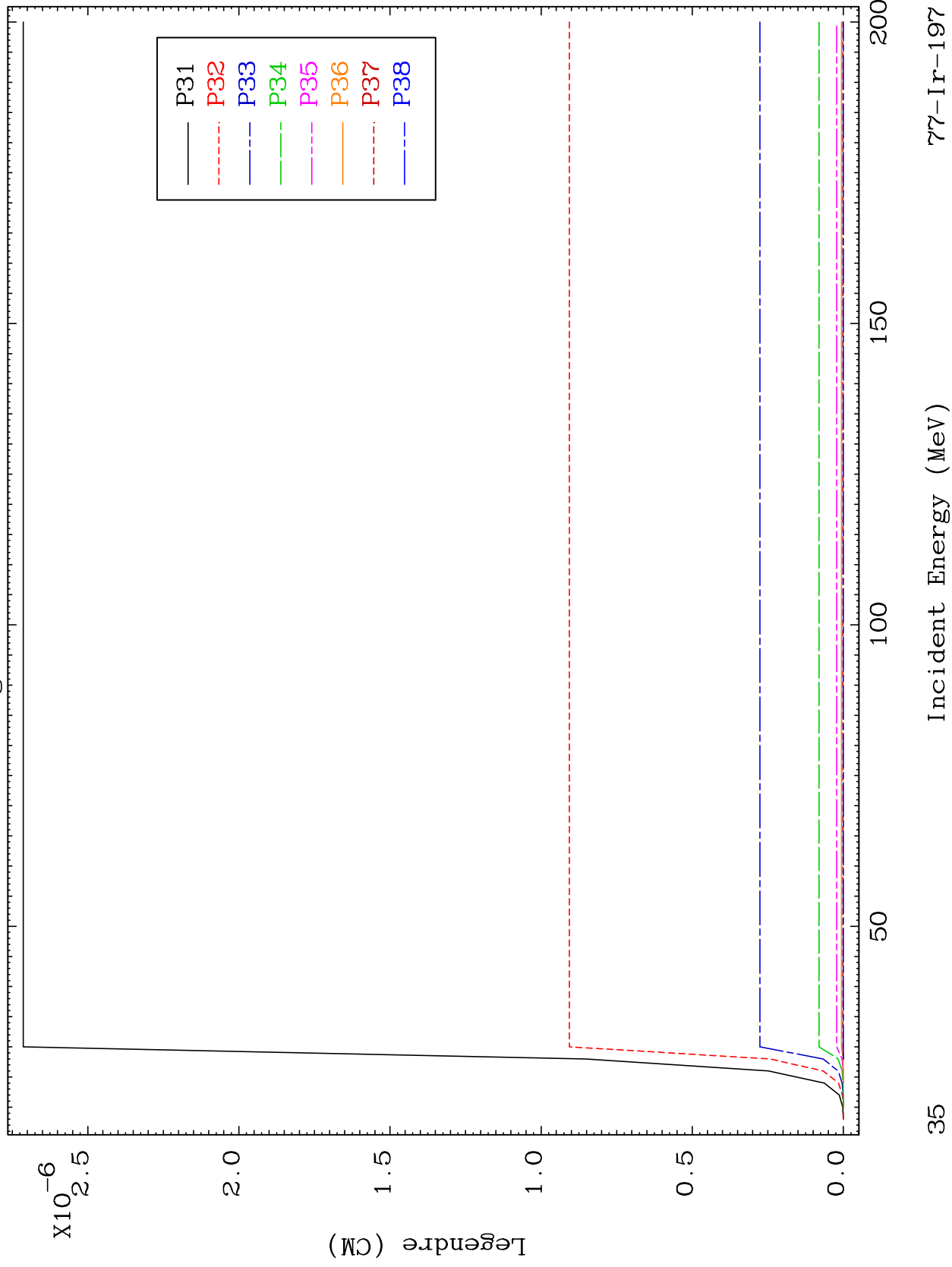
77-Ir-197



MAT 7743

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

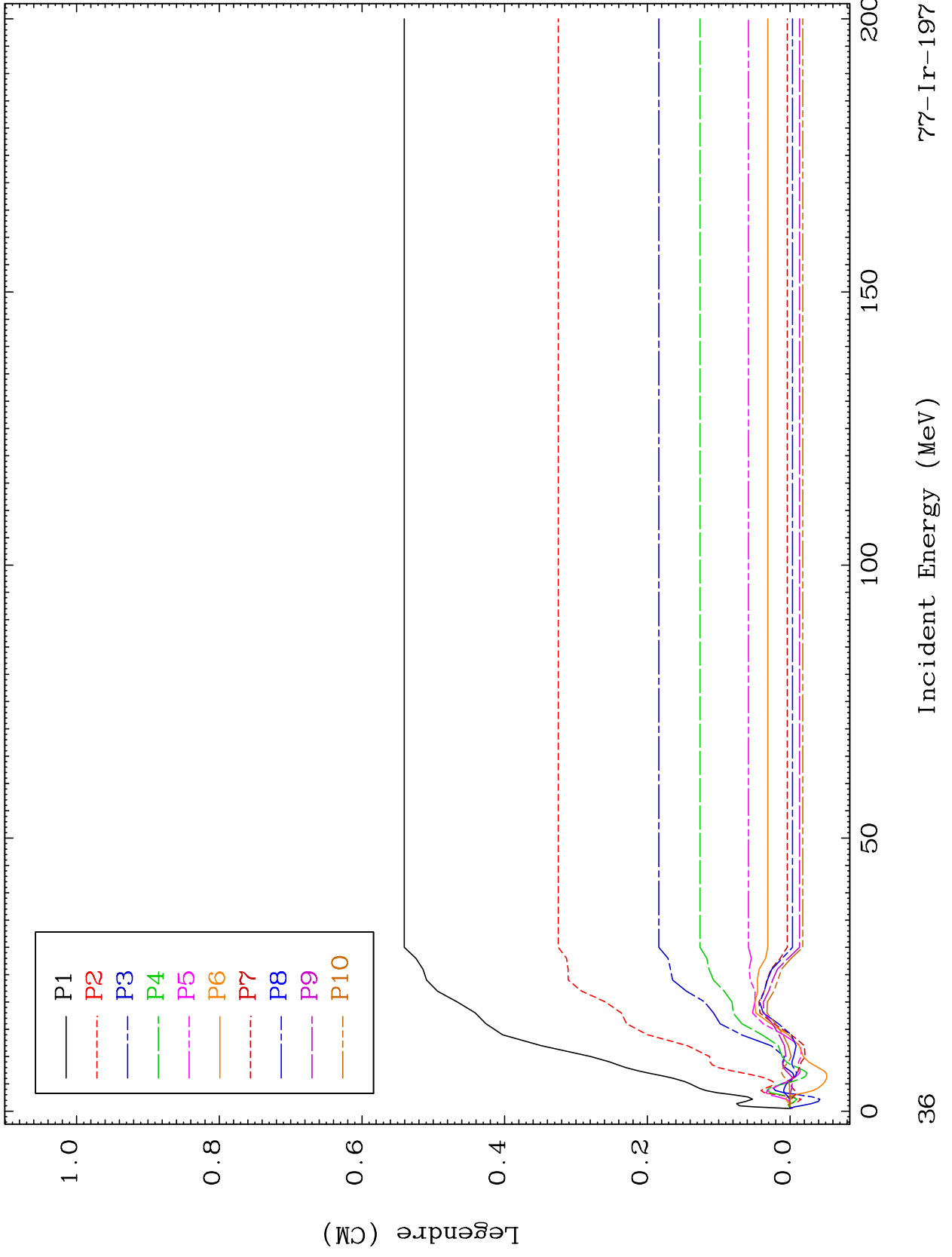
77-Ir-197



35

Incident Energy (MeV)

77-Ir-197



MAT 7743

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

77-Ir-197



37

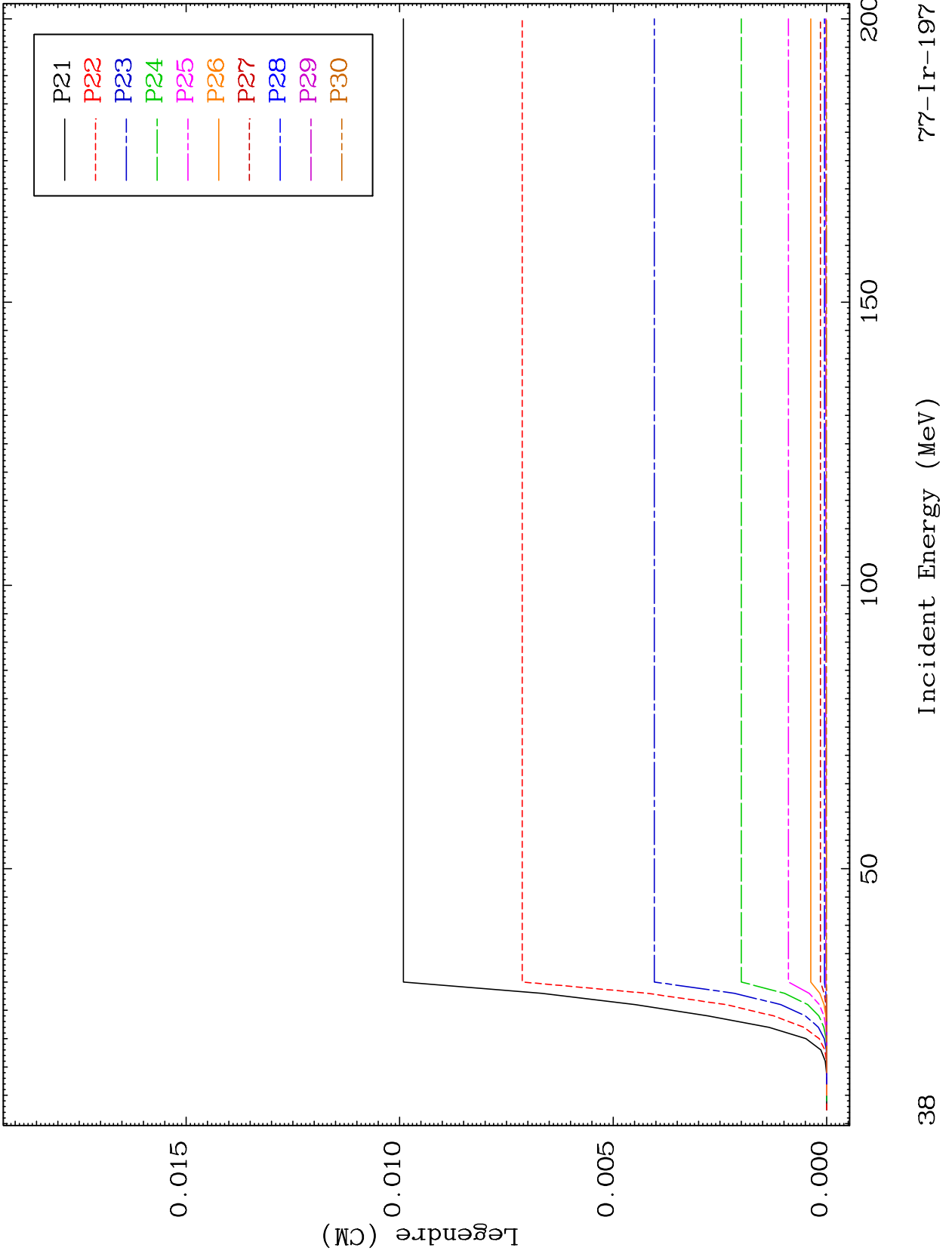
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



38

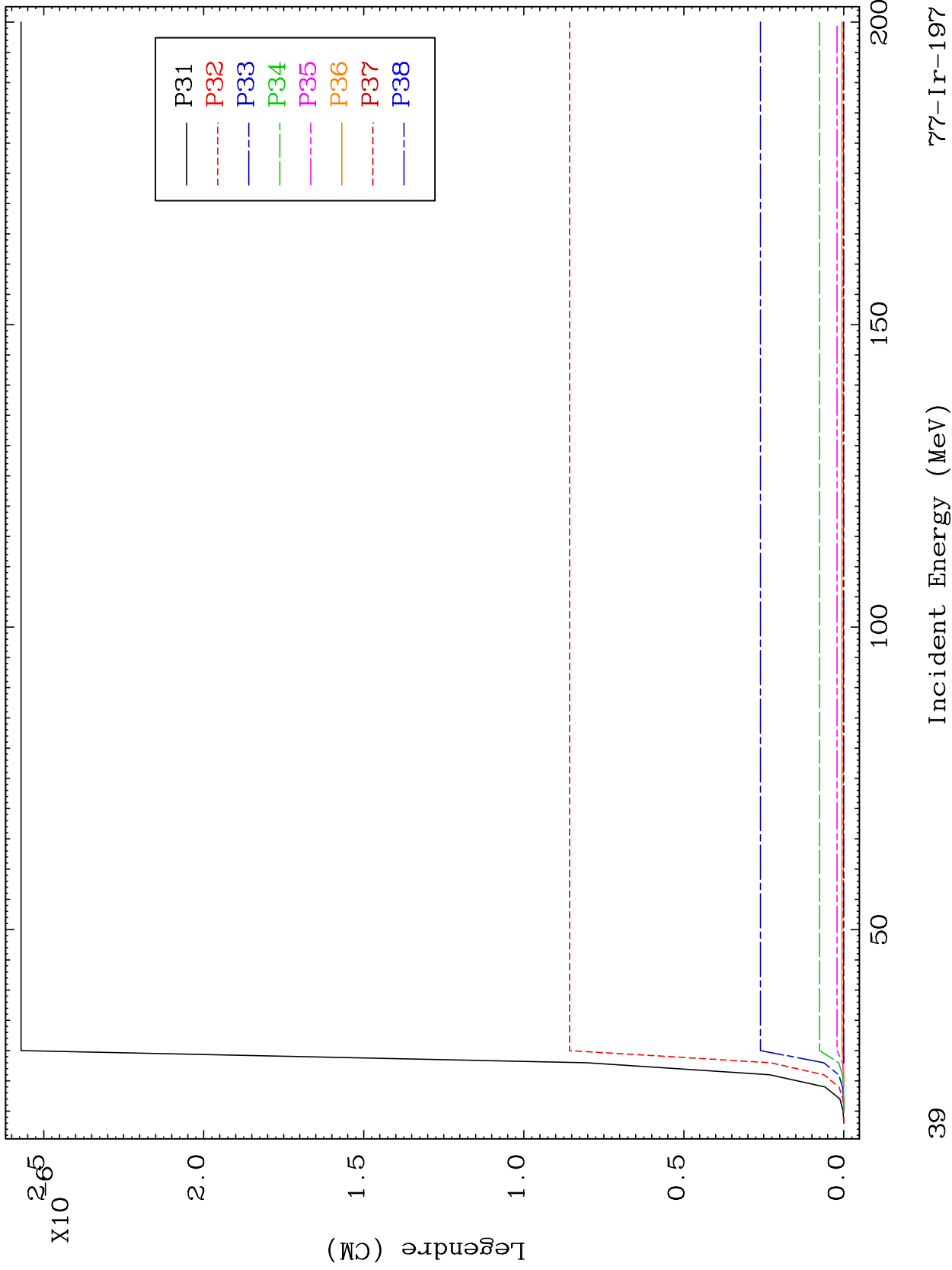
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



39

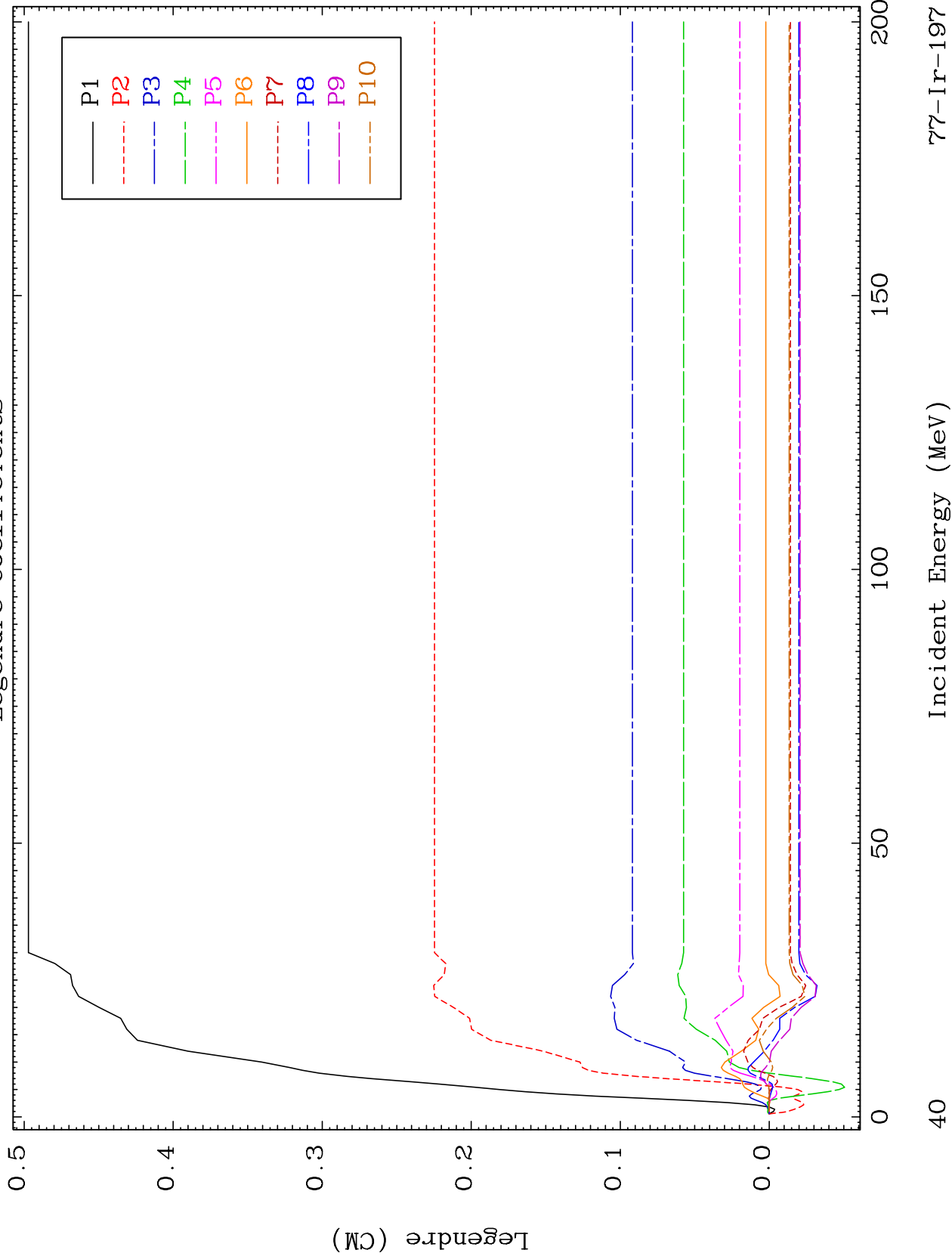
77-Ir-197

MAT 7743

MT= 56 (n,n') Level

77-Ir-197

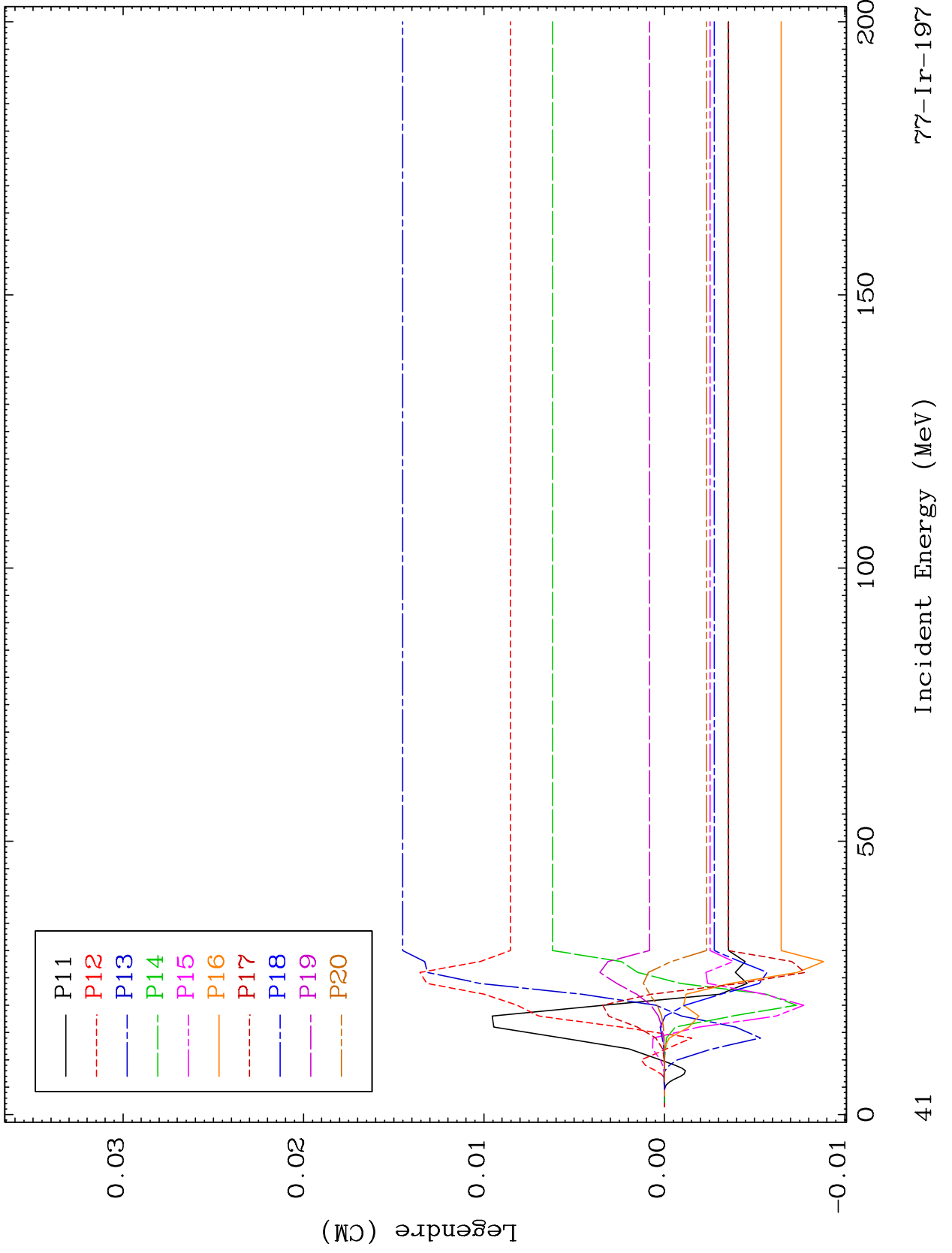
Legendre Coefficients



MAT 7743

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

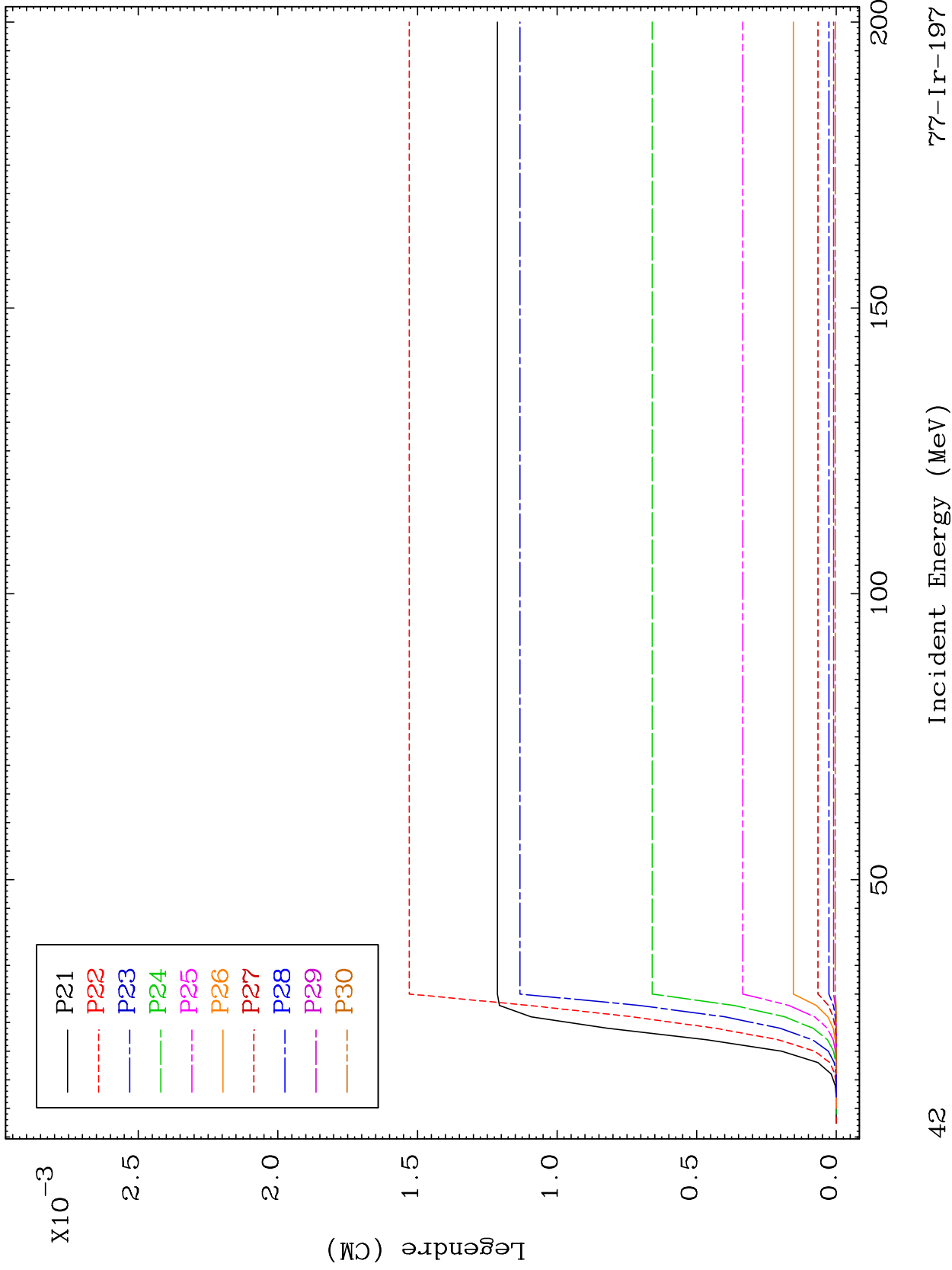
77-Ir-197



41

Incident Energy (MeV)

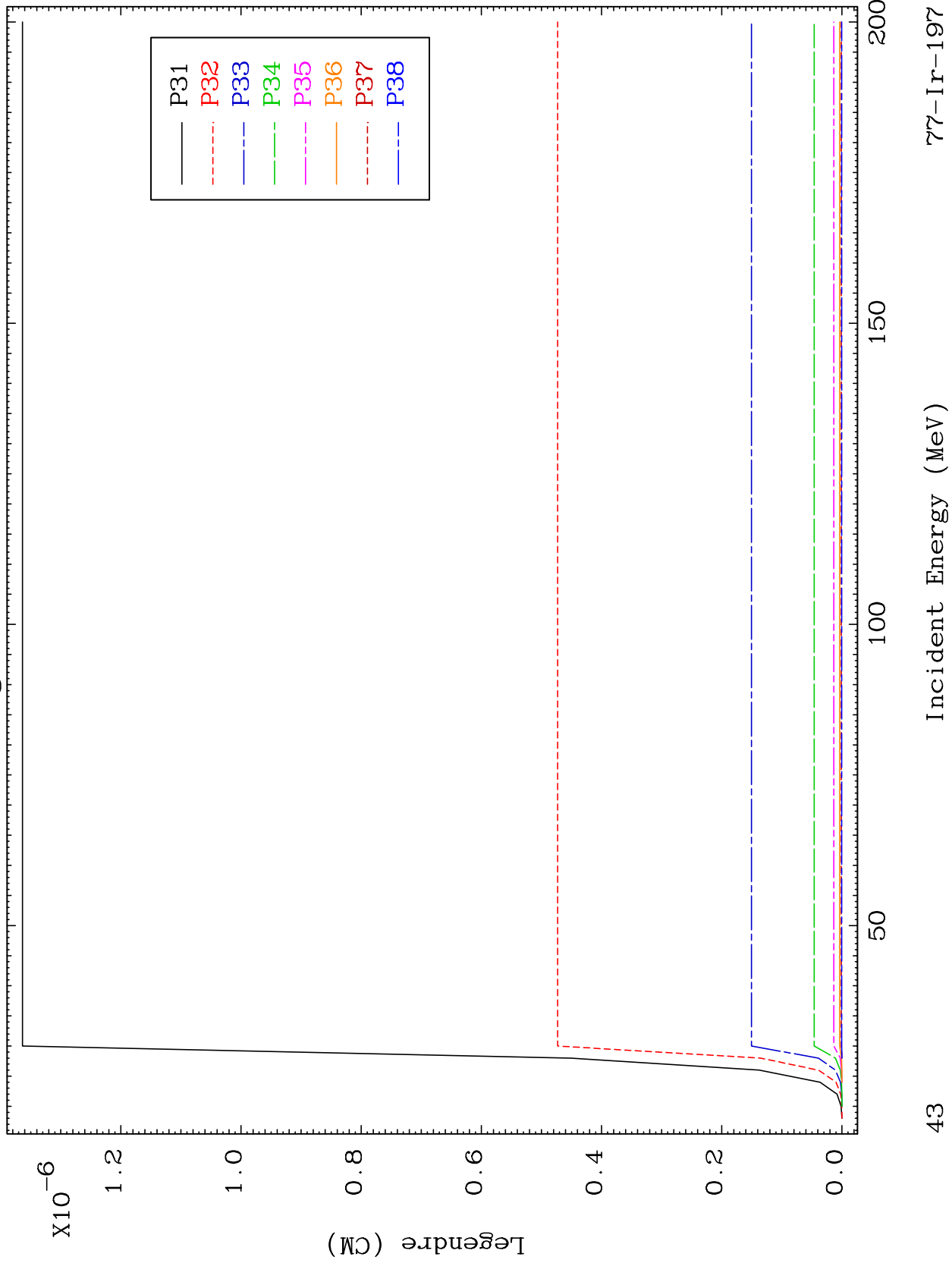
77-Ir-197



MAT 7743

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

77-Ir-197



43

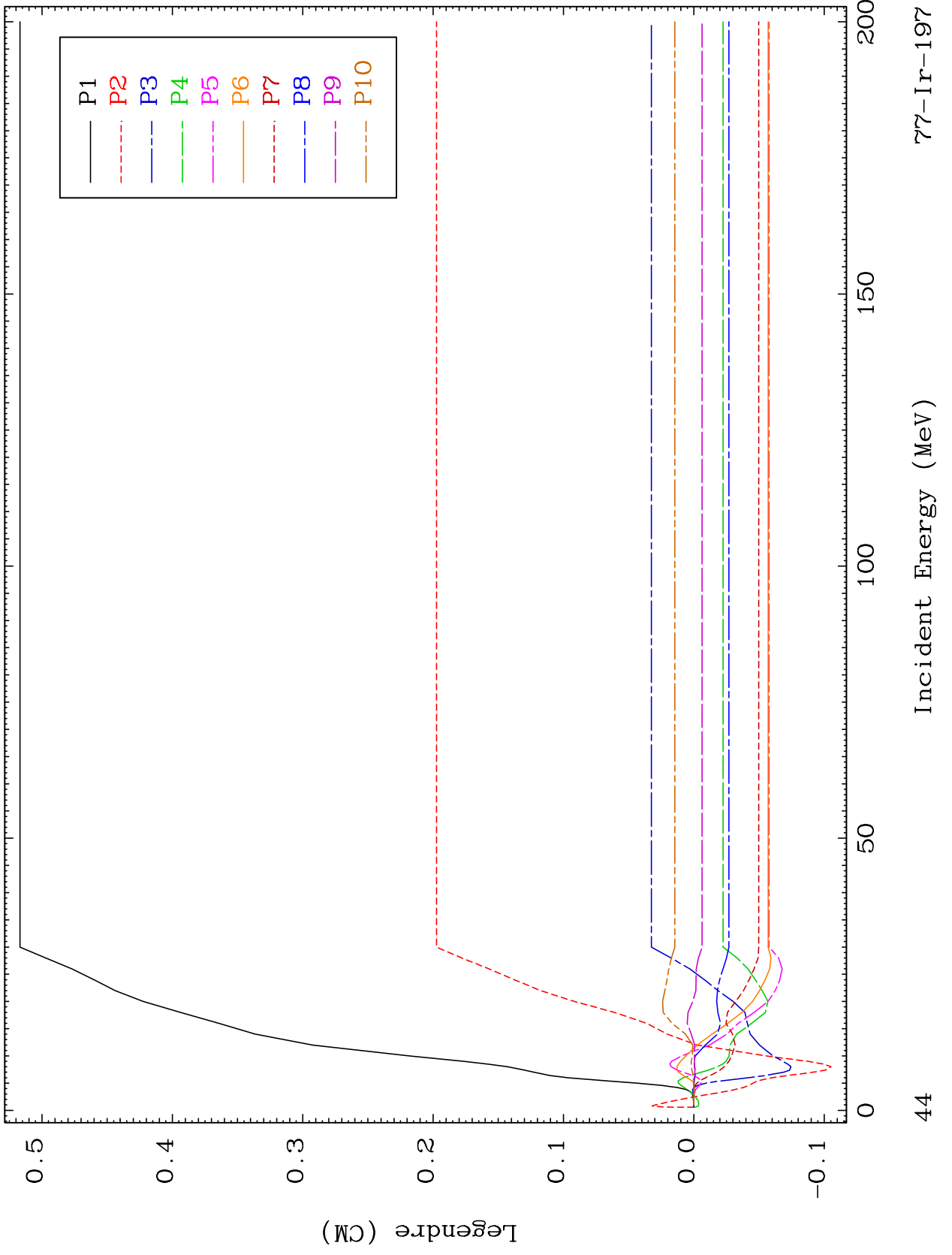
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

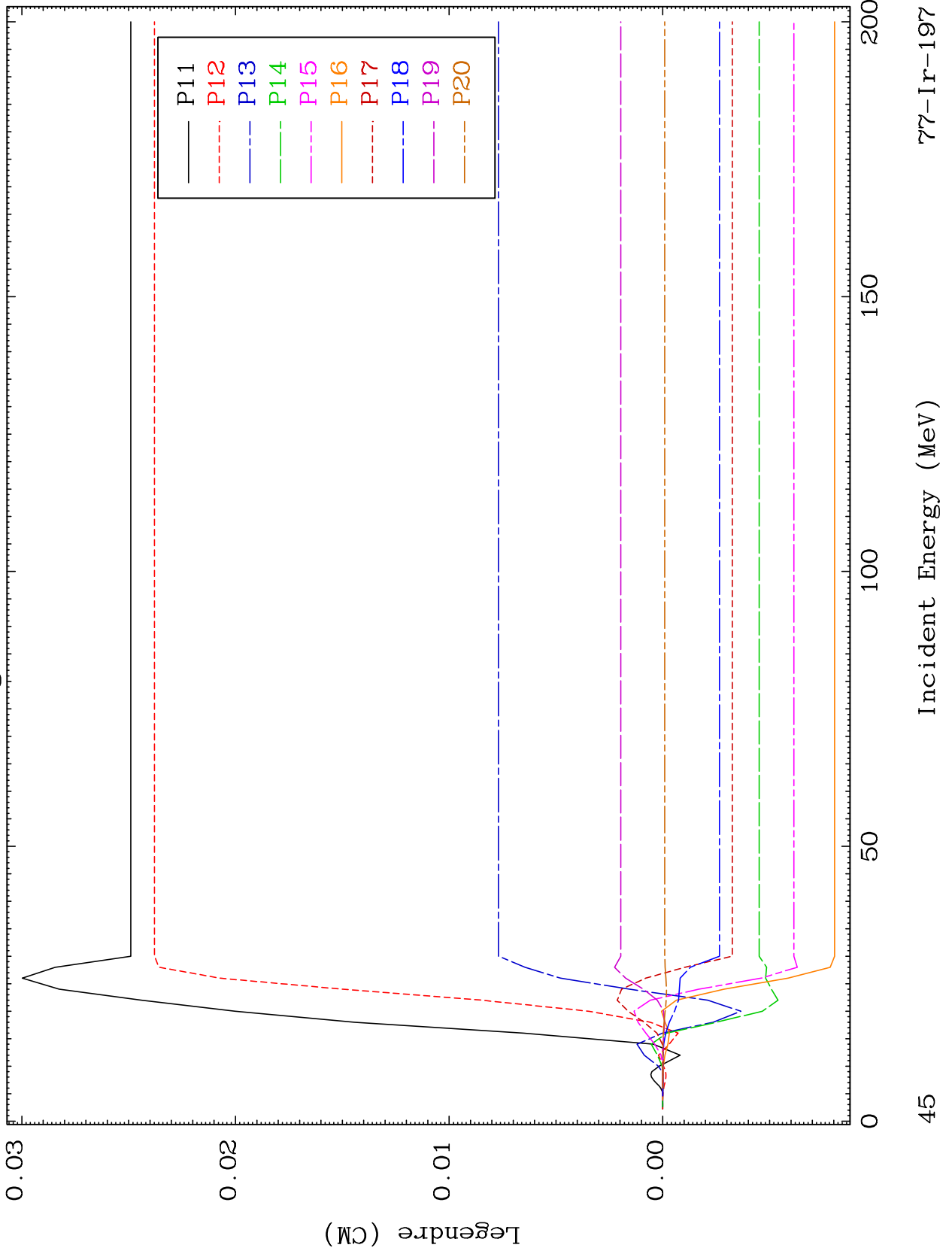
77-Ir-197



MAT 7743

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

77-Ir-197



77-Ir-197

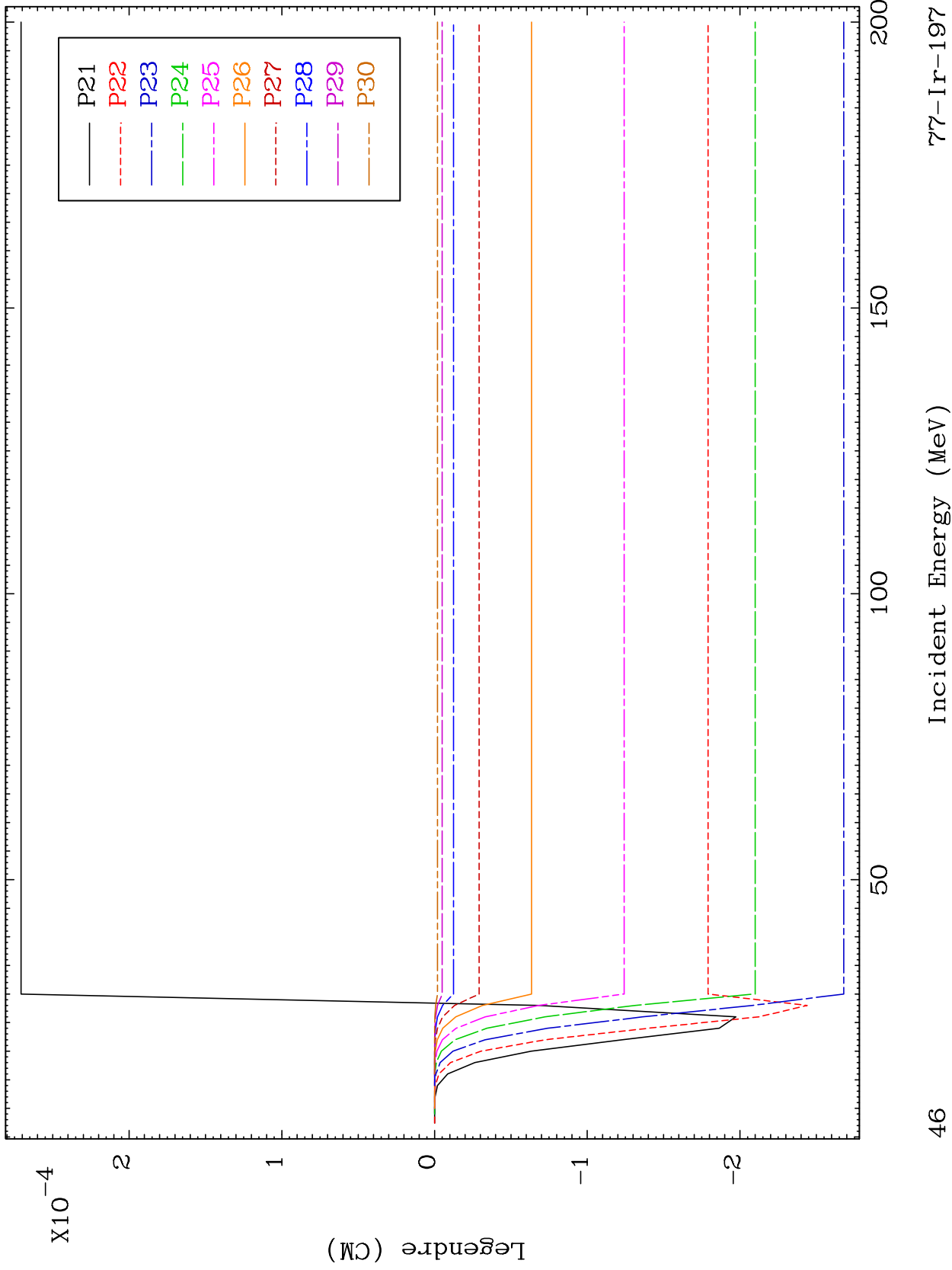
Incident Energy (MeV)

45

MAT 7743

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

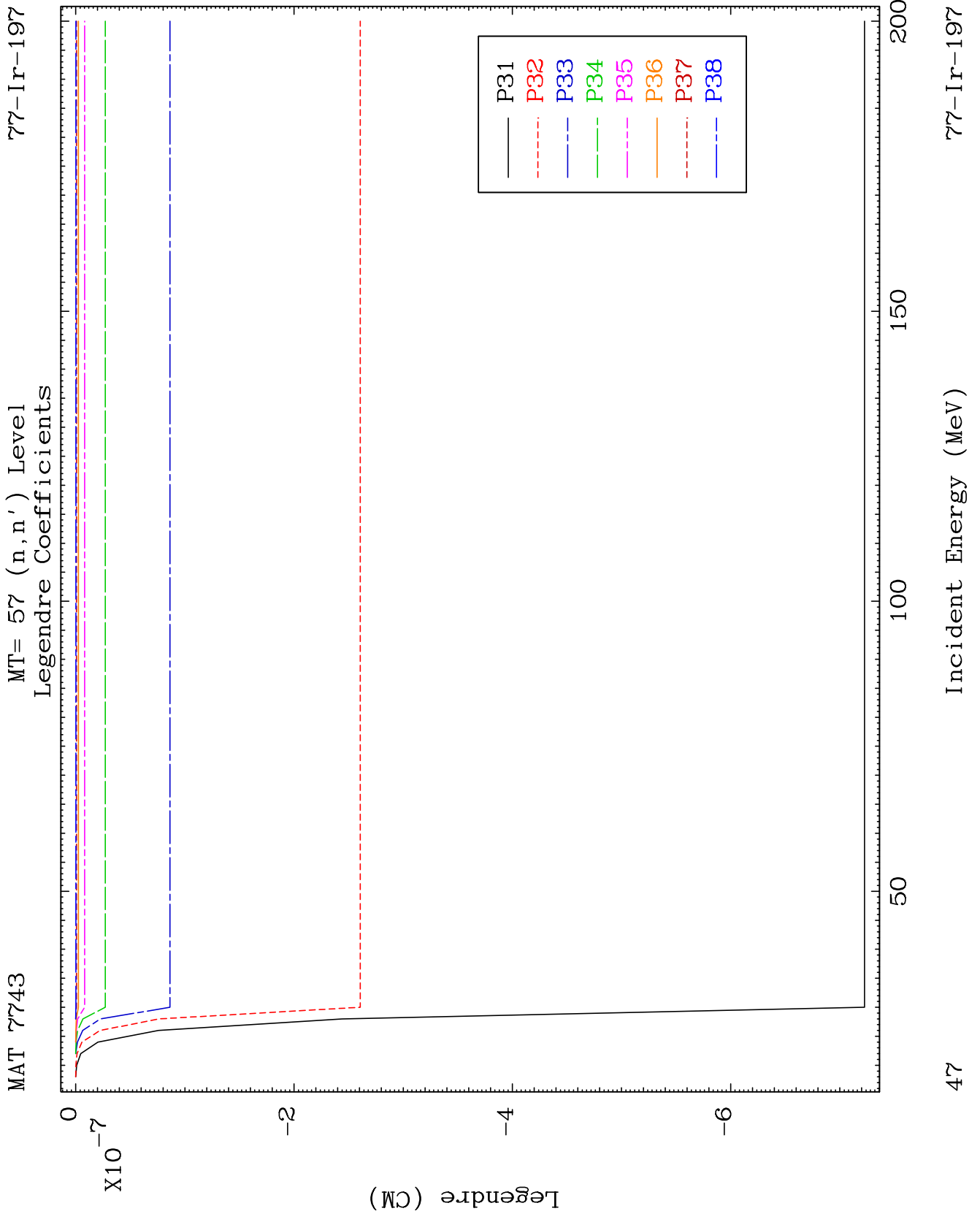
77-Ir-197



46

Incident Energy (MeV)

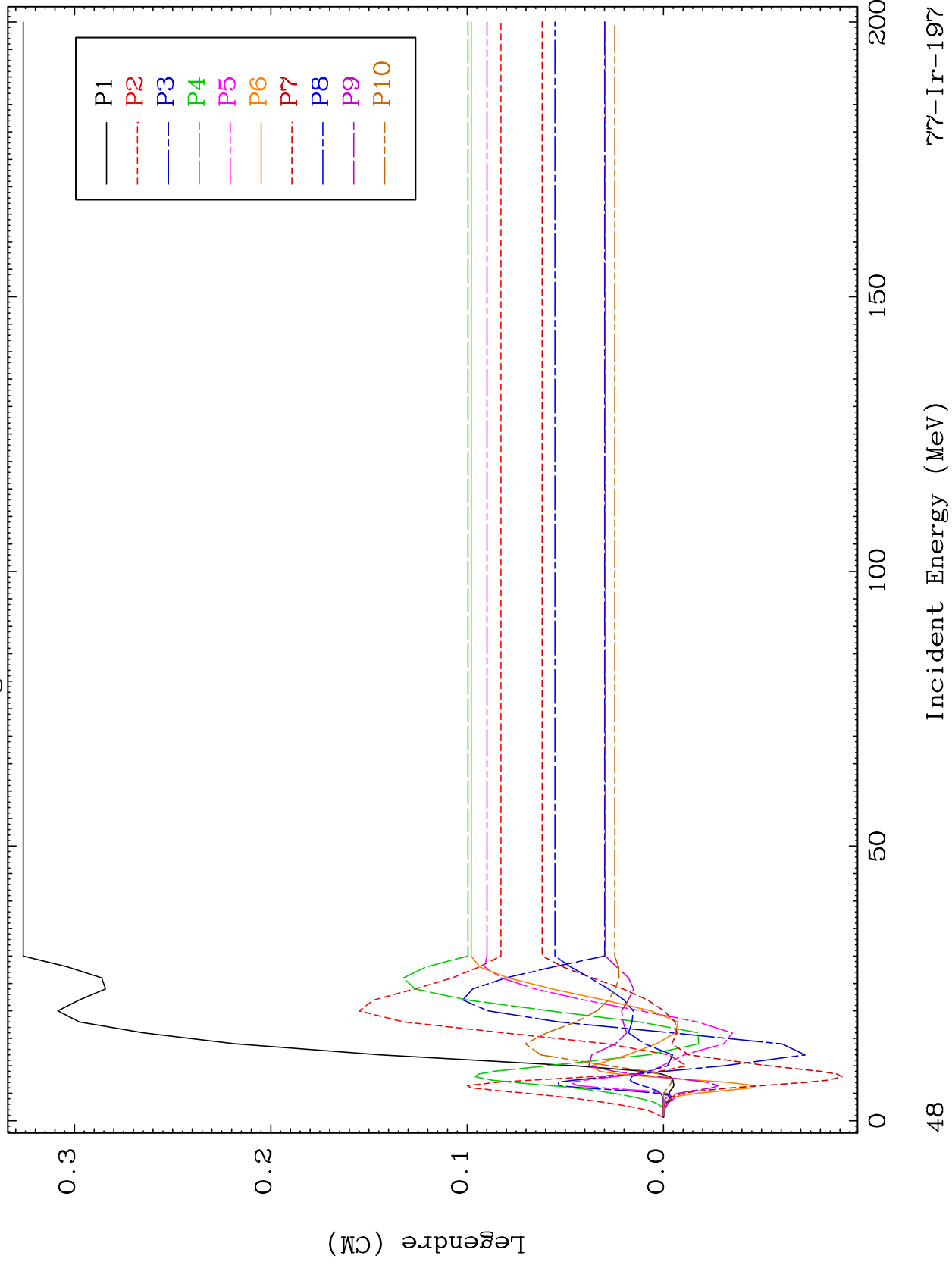
77-Ir-197



MAT 7743

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

77-Ir-197



77-Ir-197

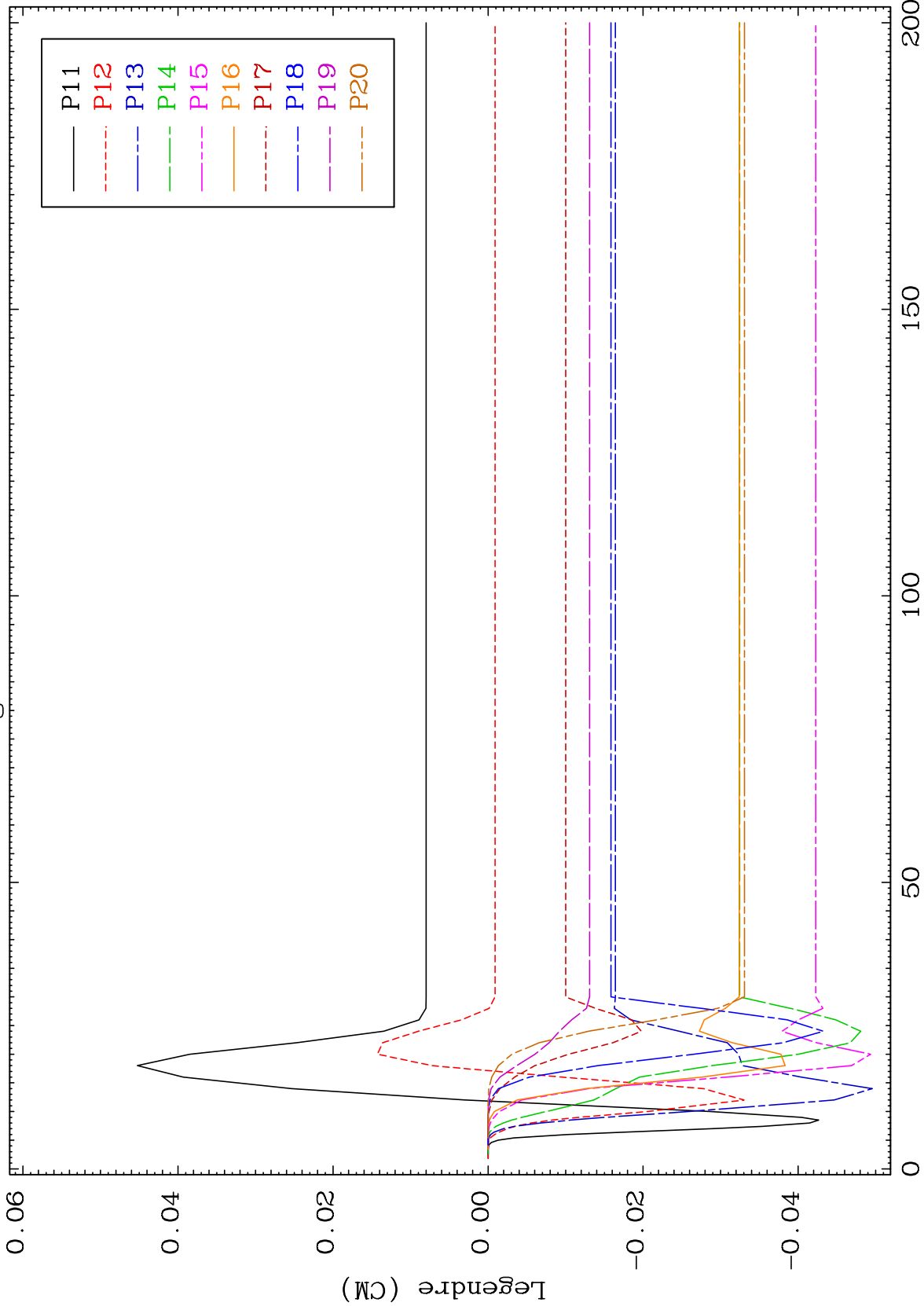
Incident Energy (MeV)

48

MAT 7743

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

77-Ir-197



49

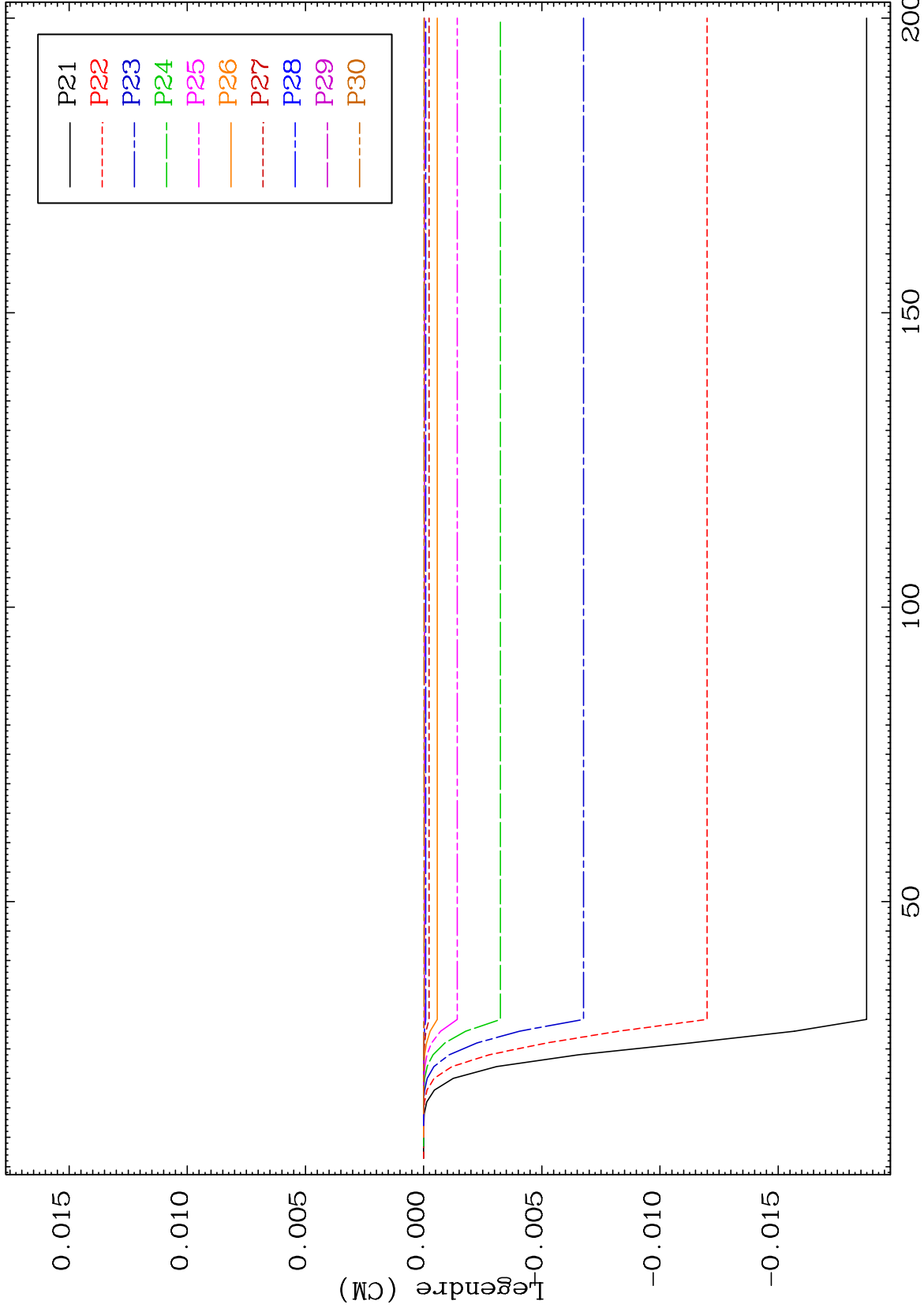
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



50

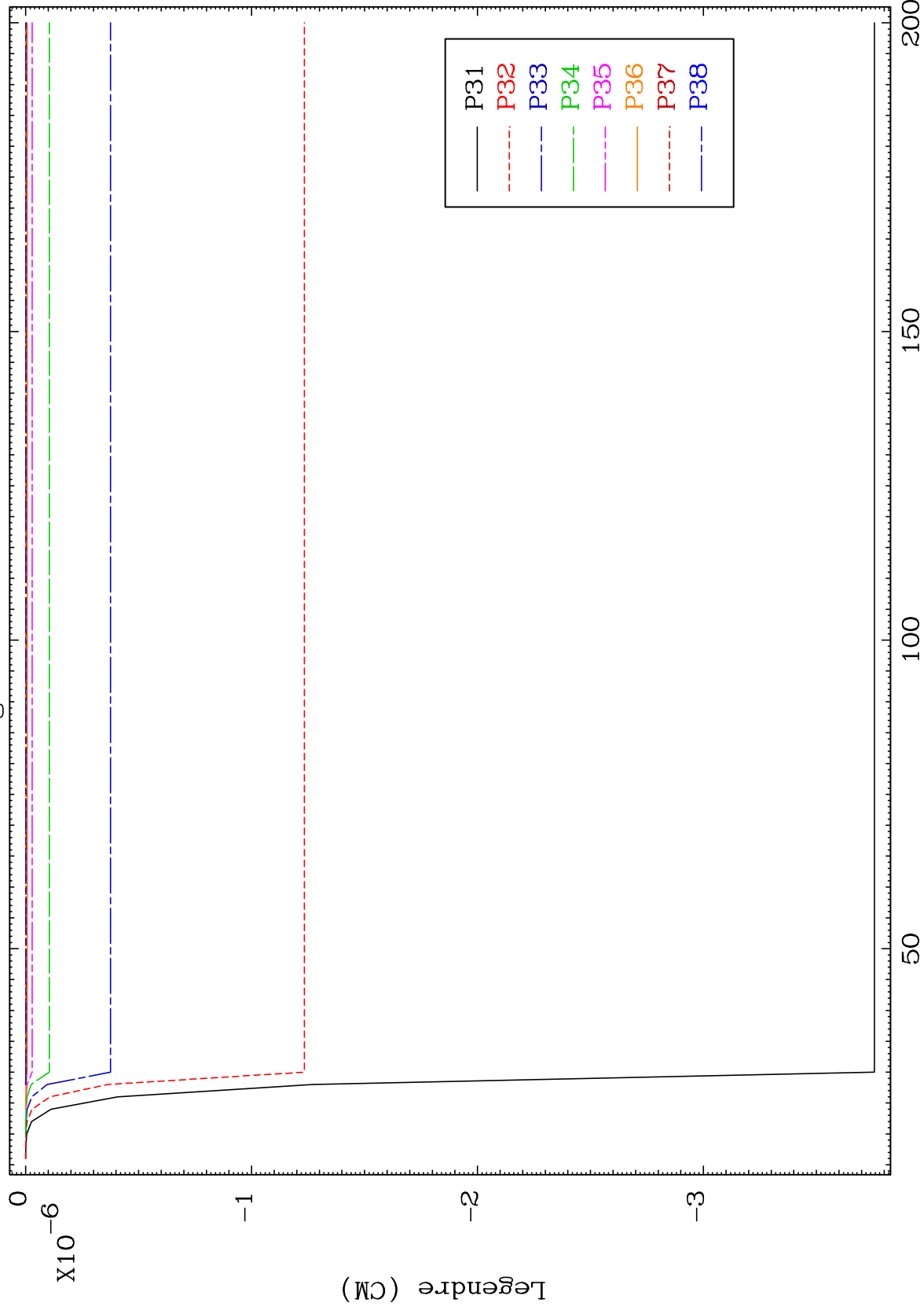
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



51

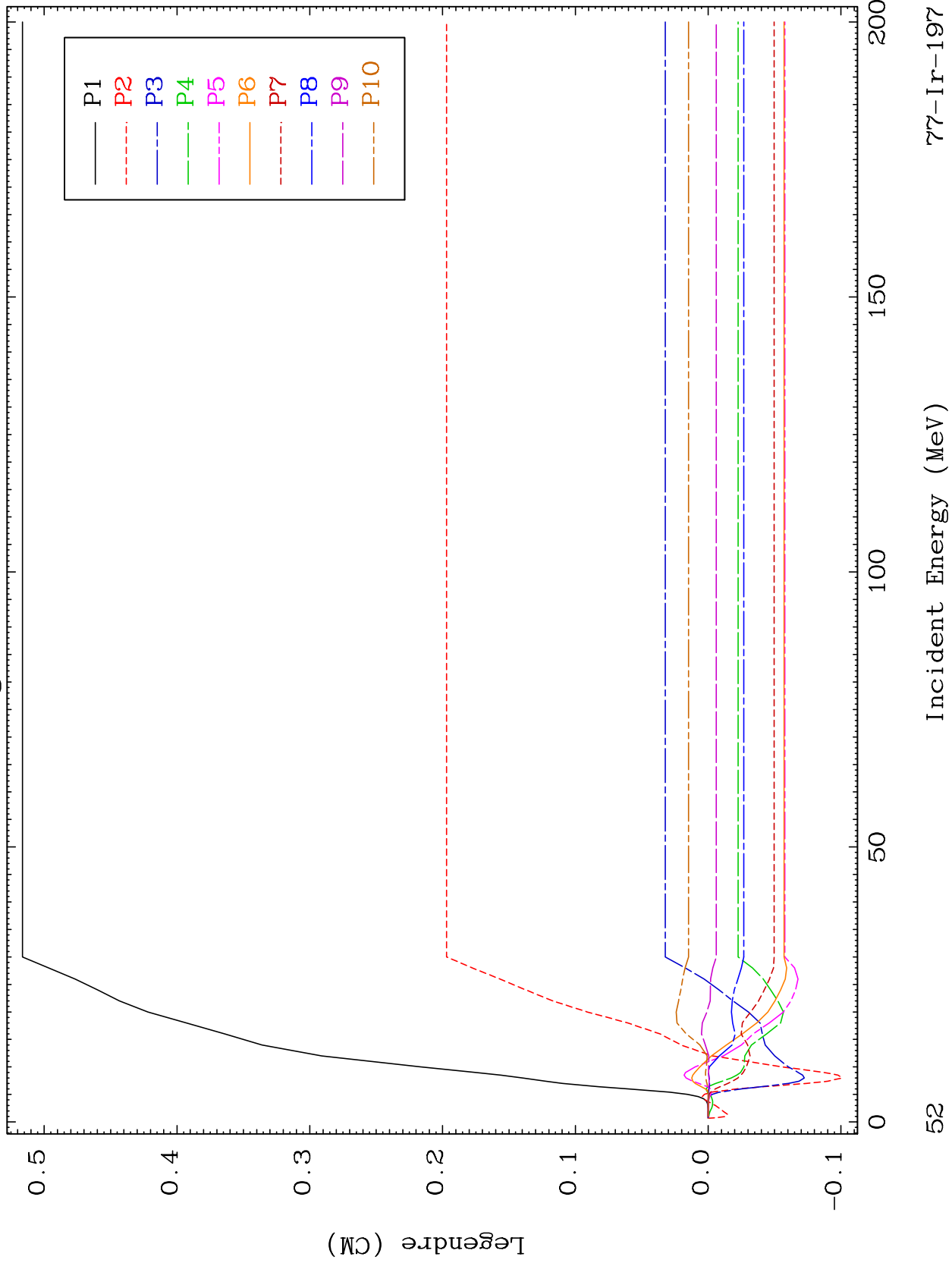
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



77-Ir-197

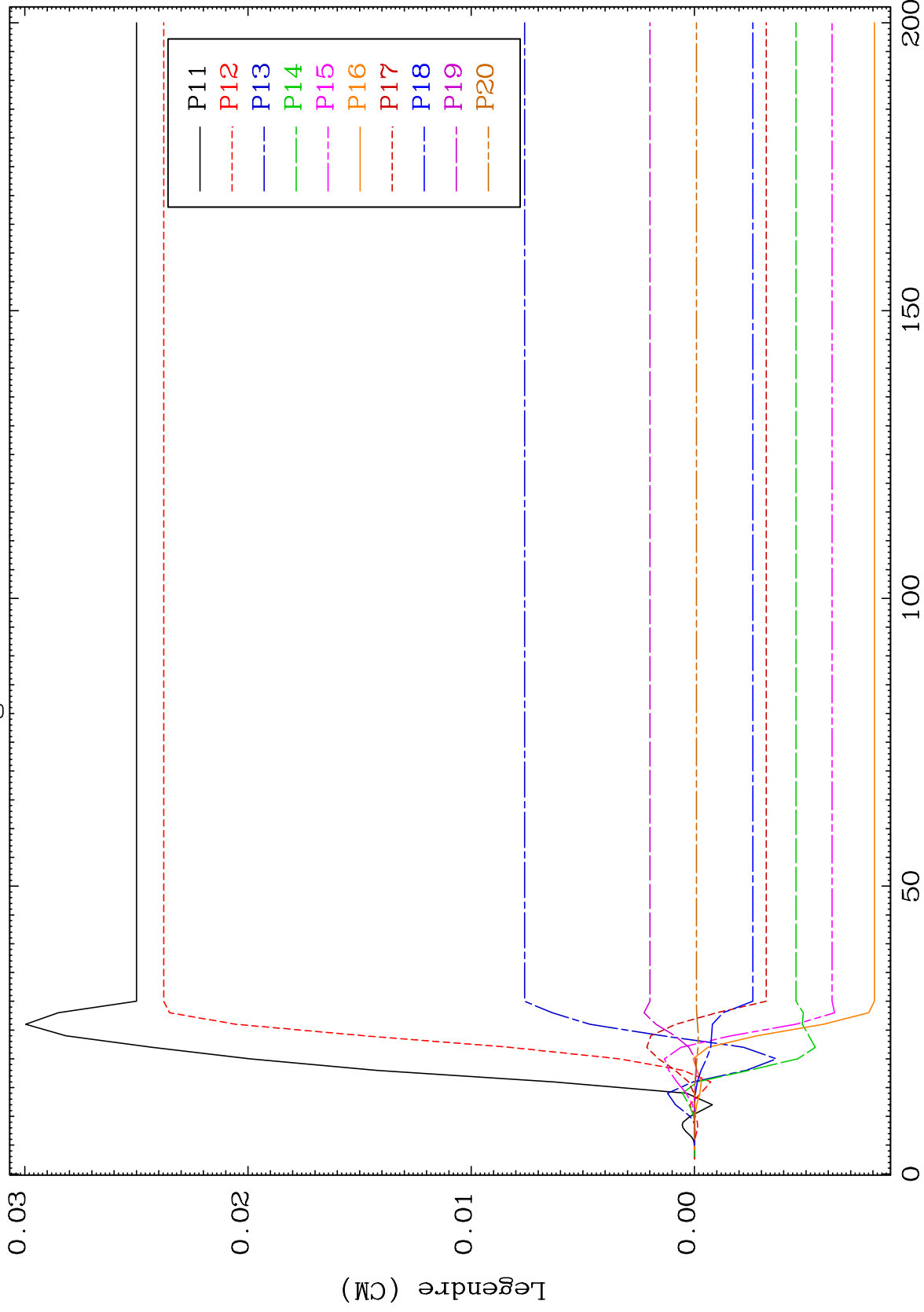
Incident Energy (MeV)

52

MAT 7743

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

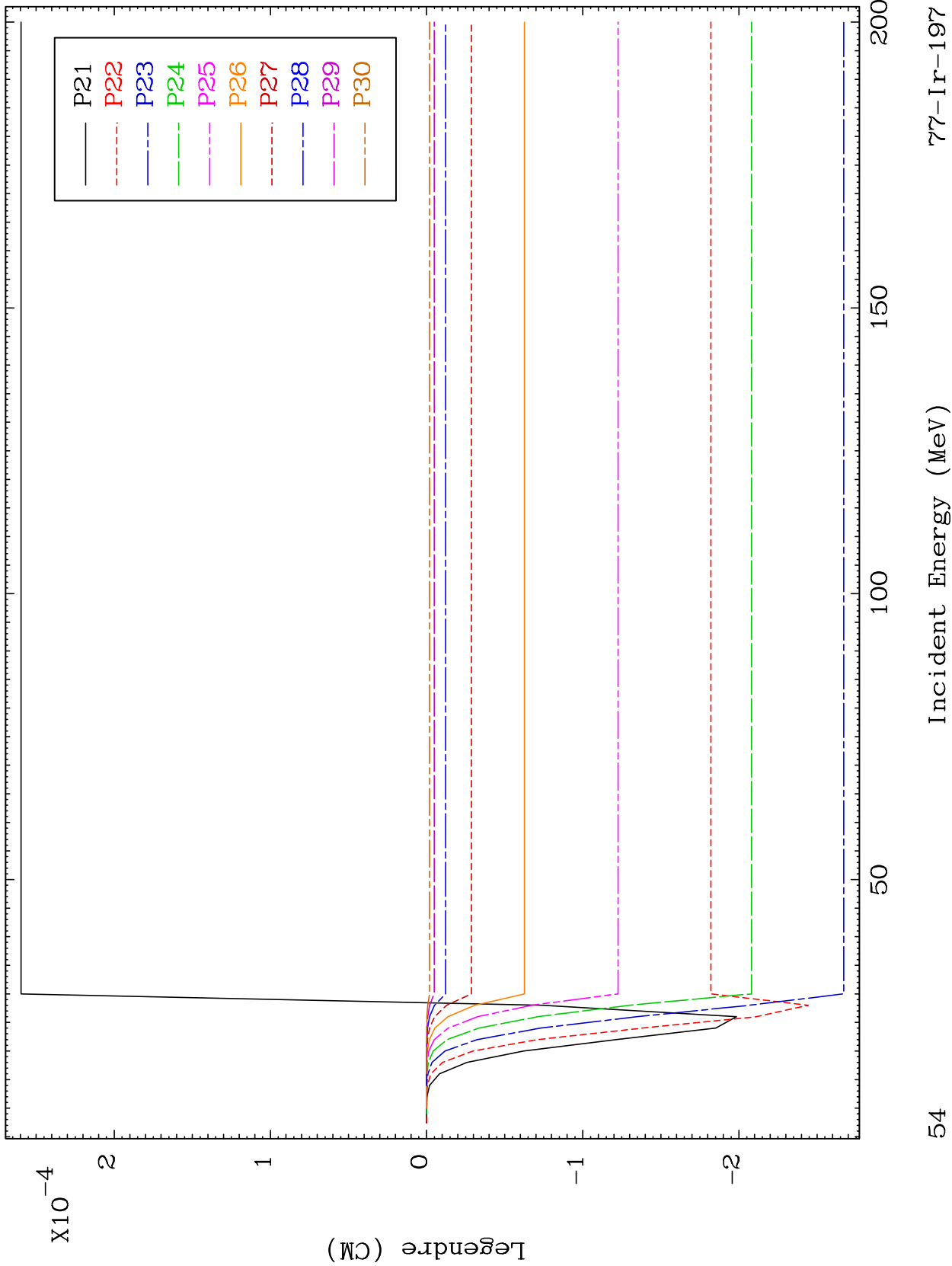
77-Ir-197

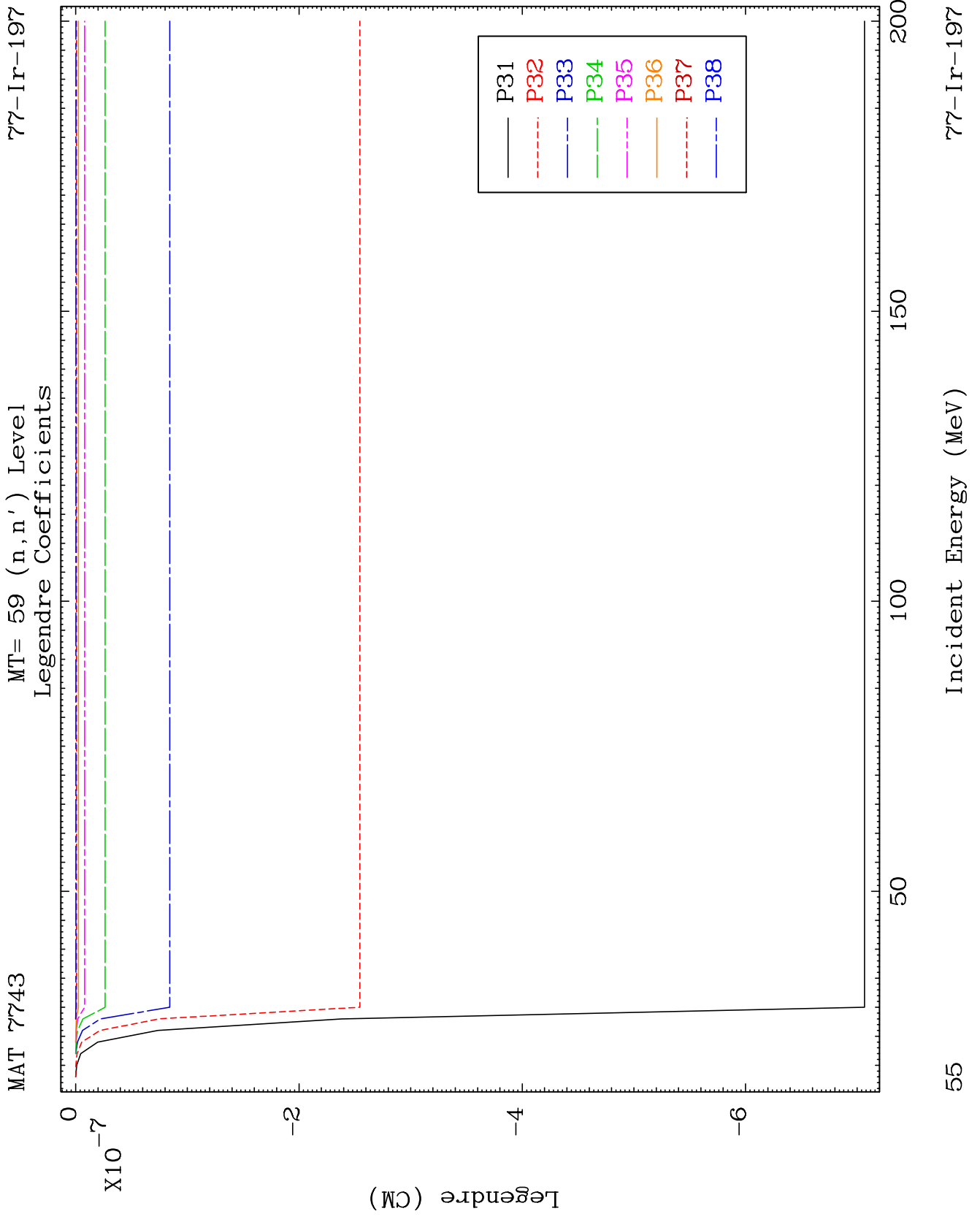


53

Incident Energy (MeV)

77-Ir-197

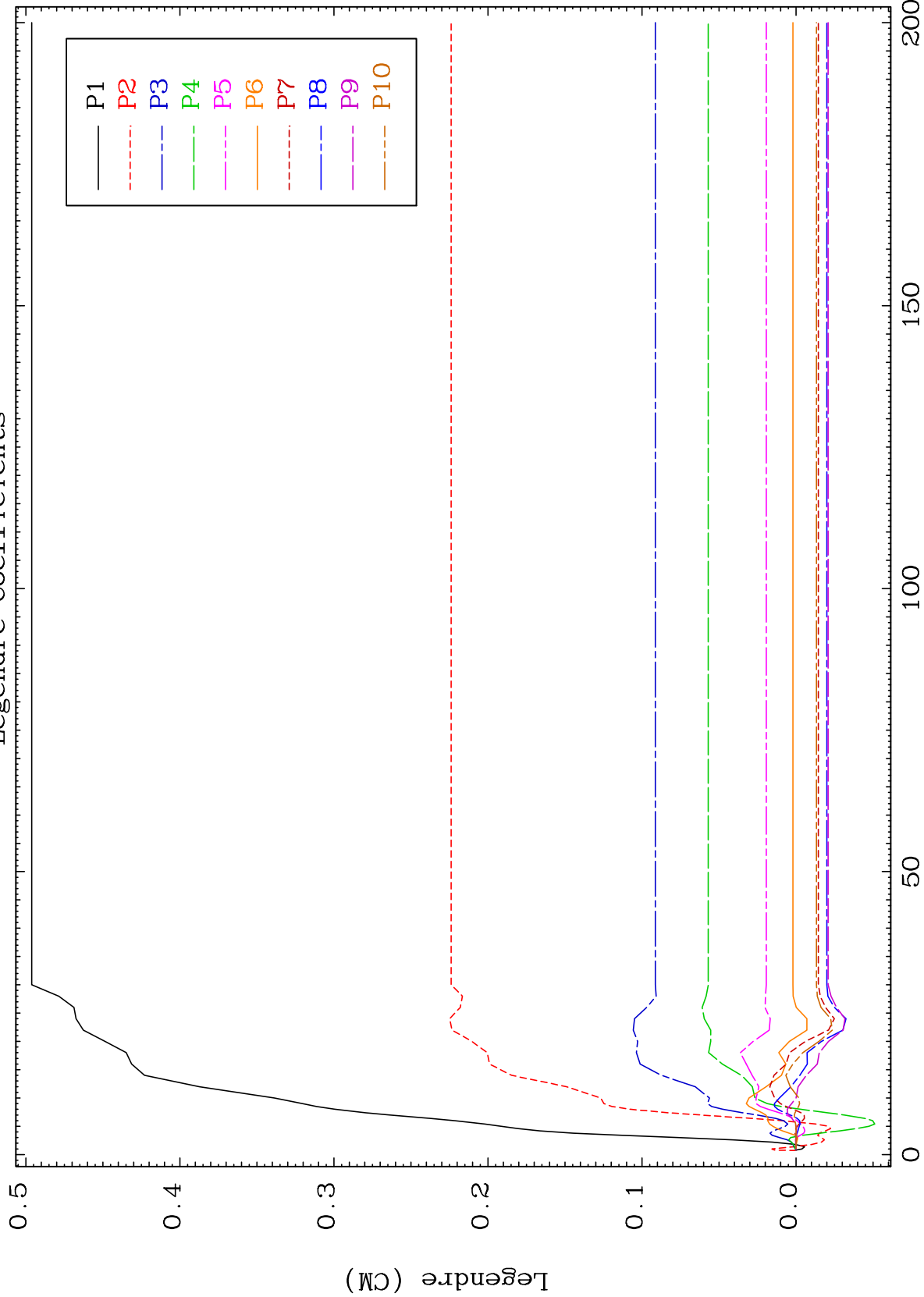




MAT 7743

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

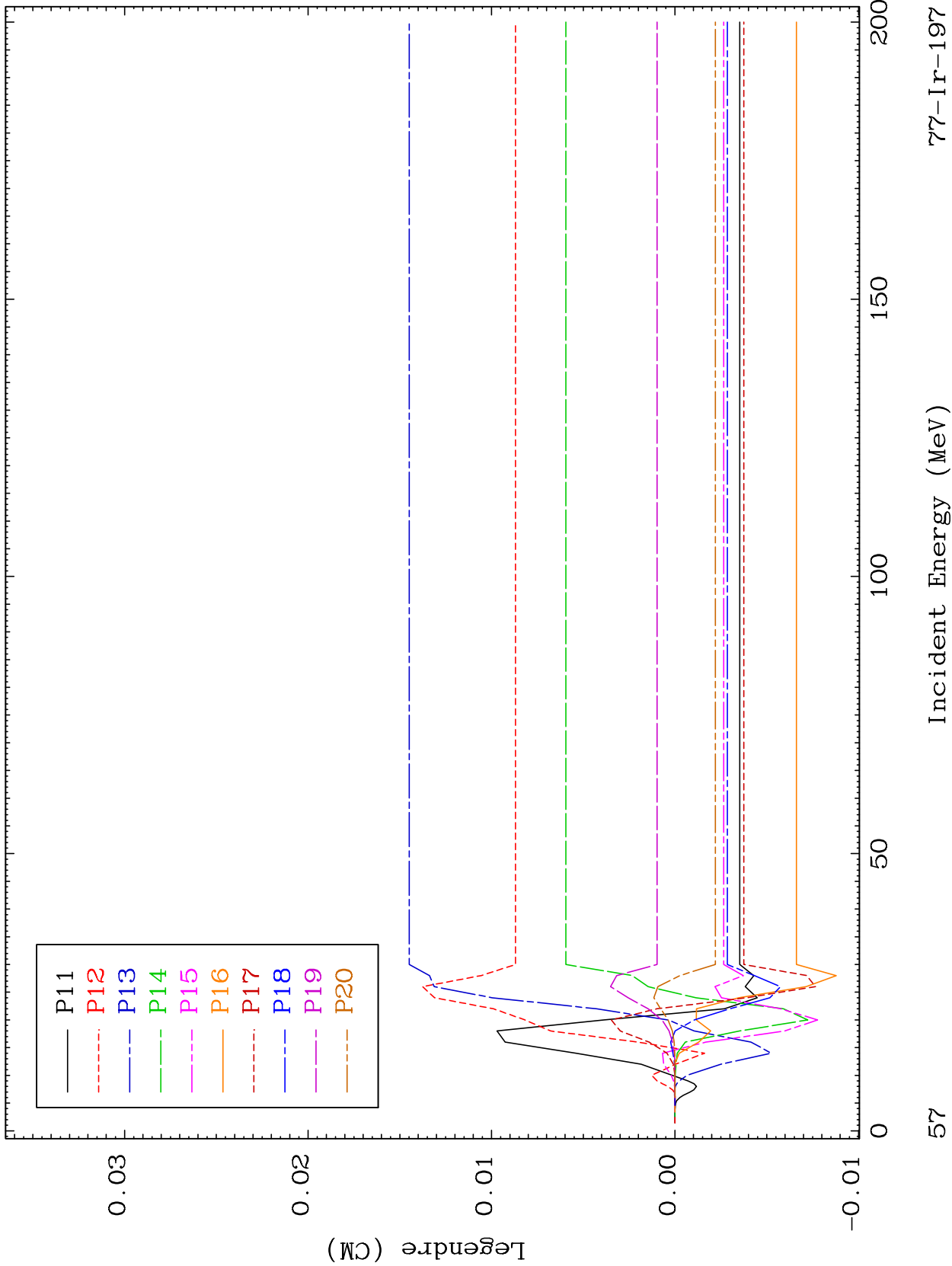
77-Ir-197

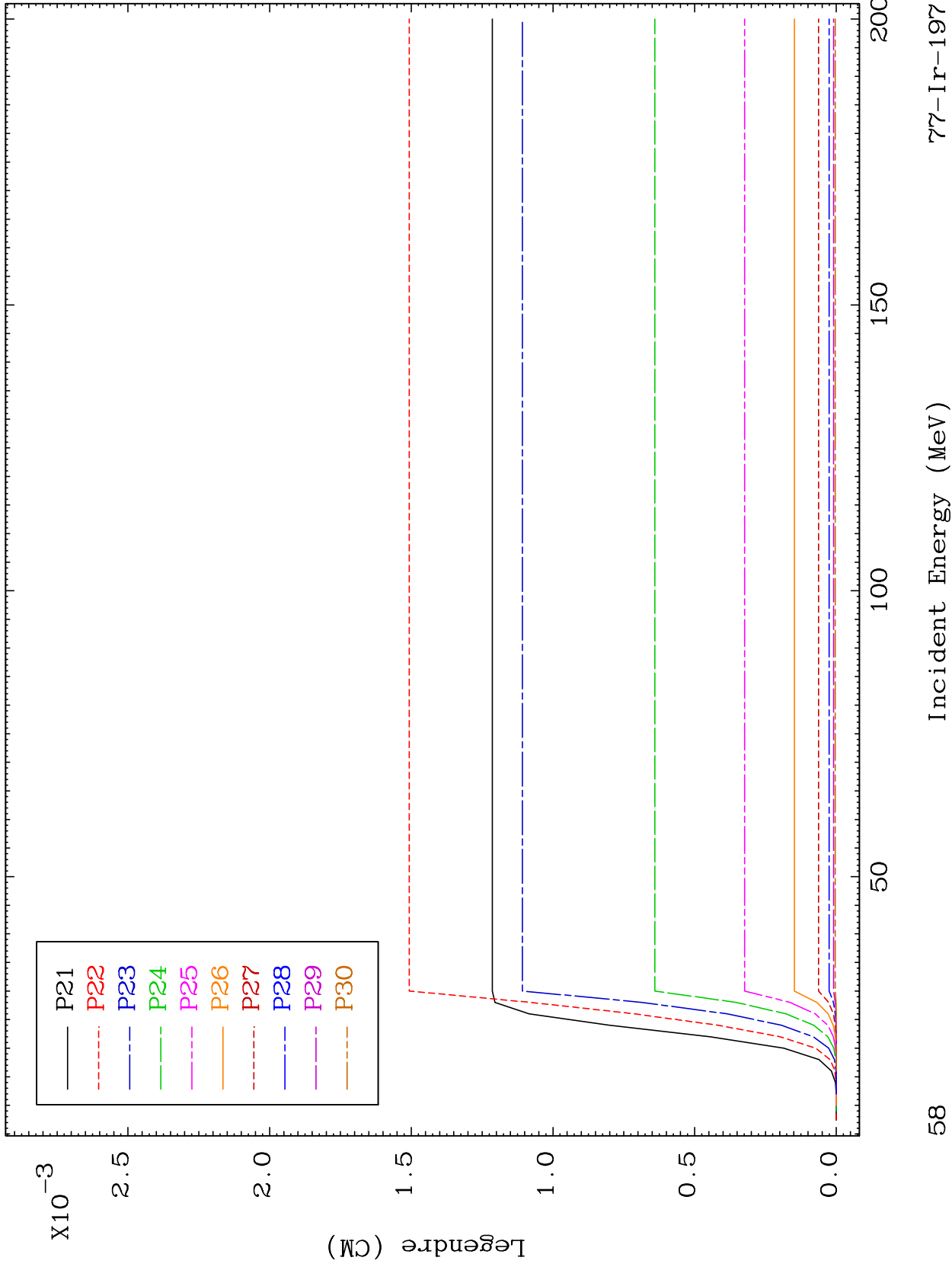


77-Ir-197

Incident Energy (MeV)

56

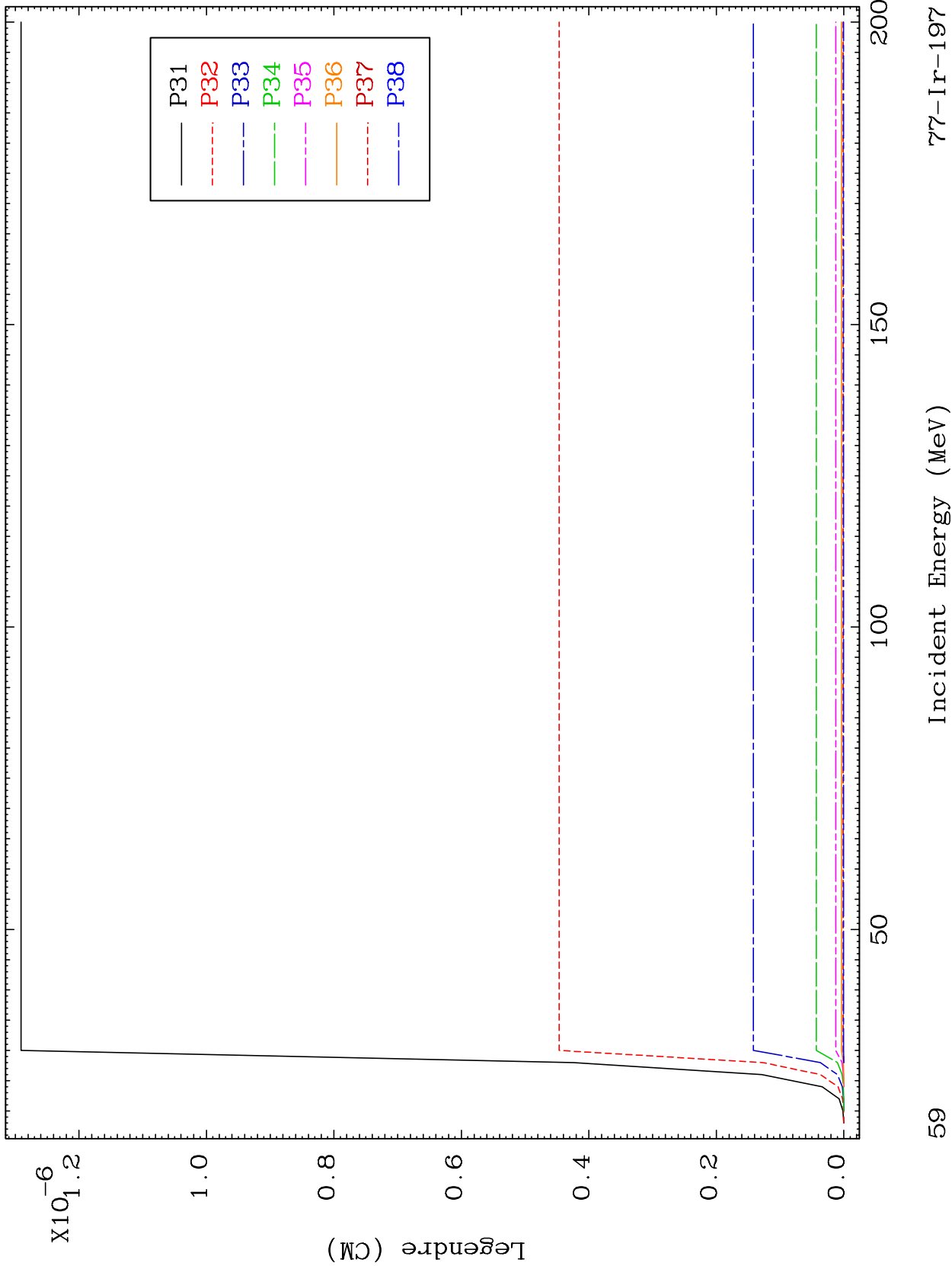




MAT 7743

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

77-Ir-197



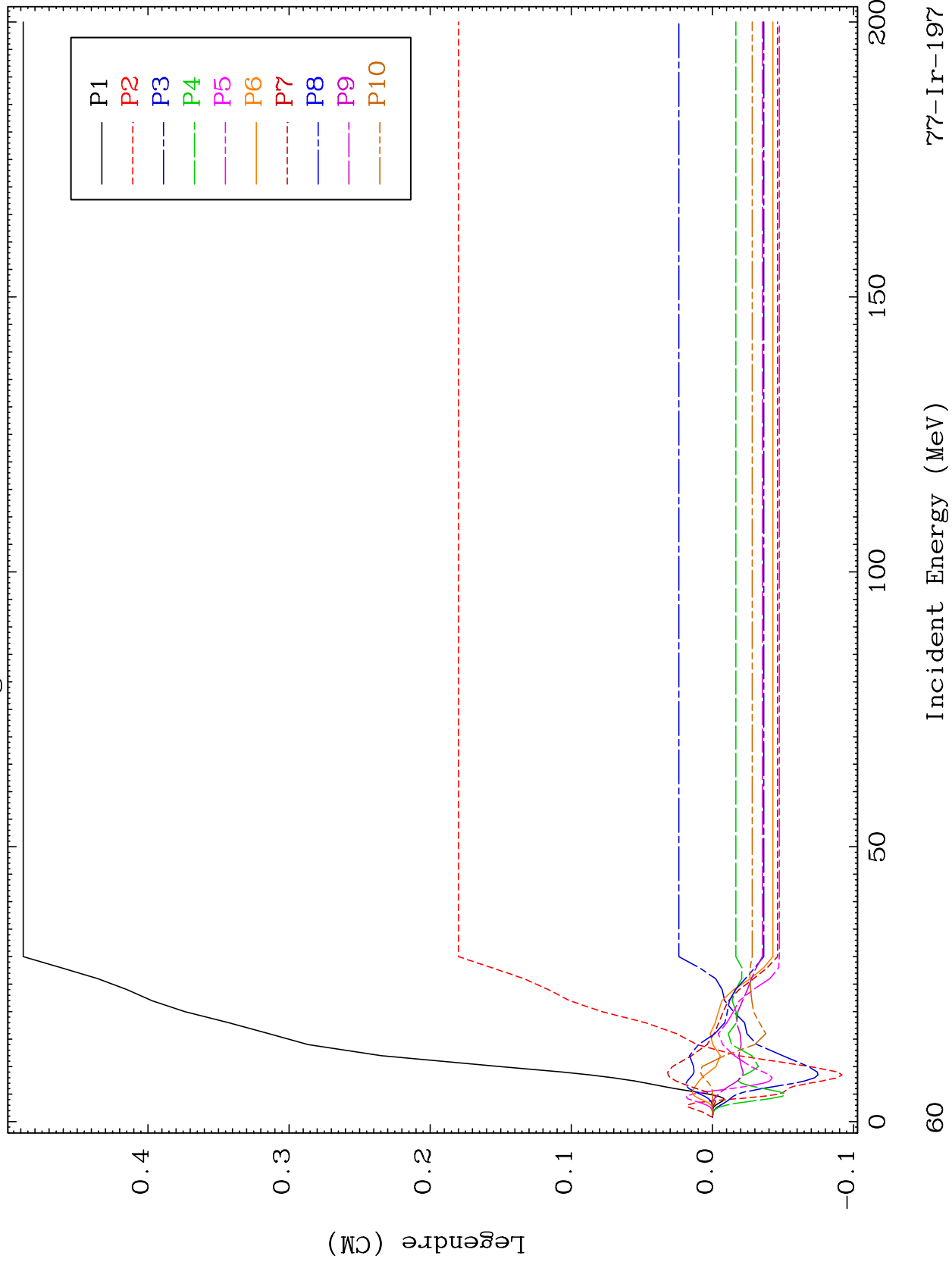
59

77-Ir-197

MAT 7743

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

77-Ir-197

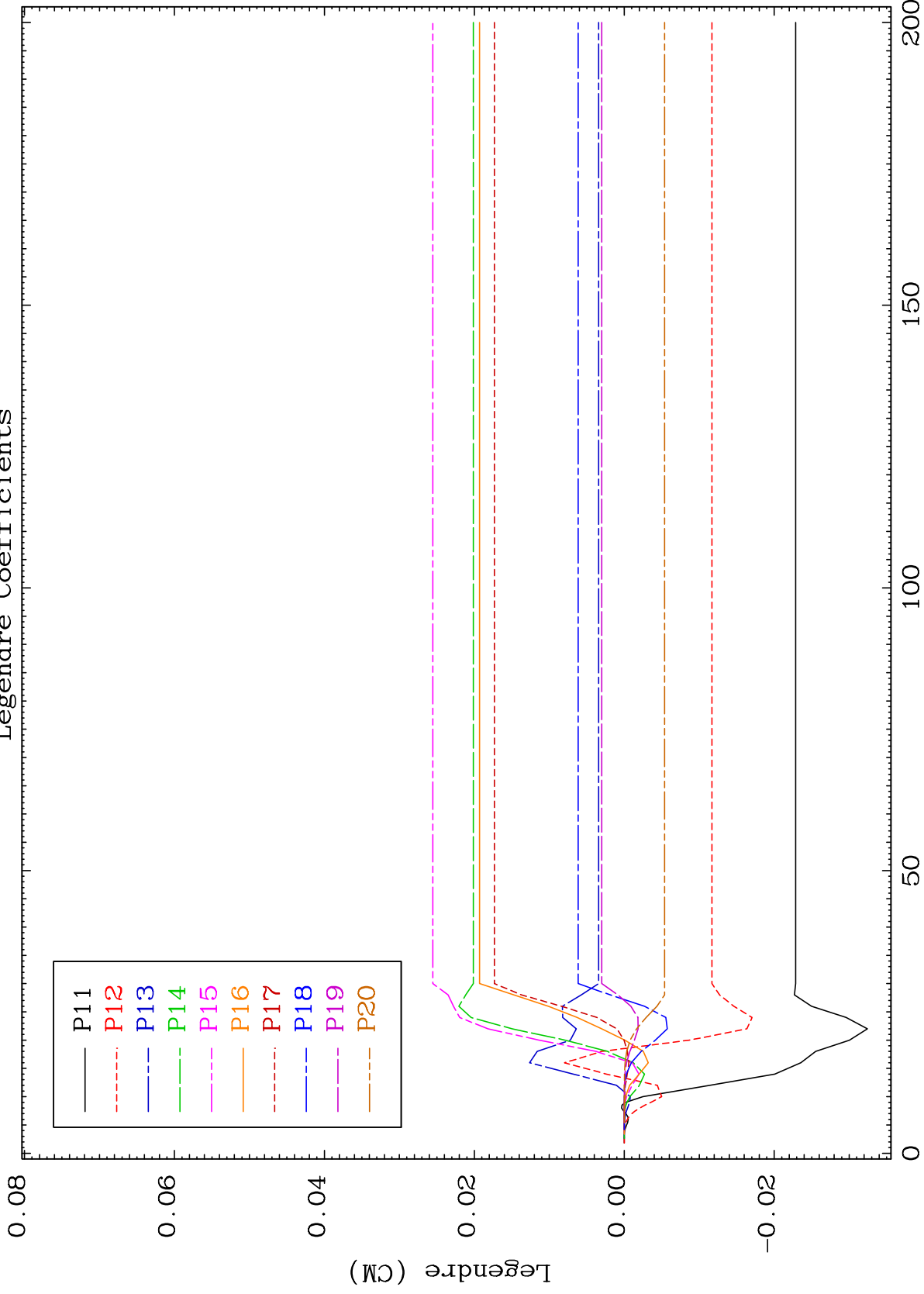


77-Ir-197

MAT 7743

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

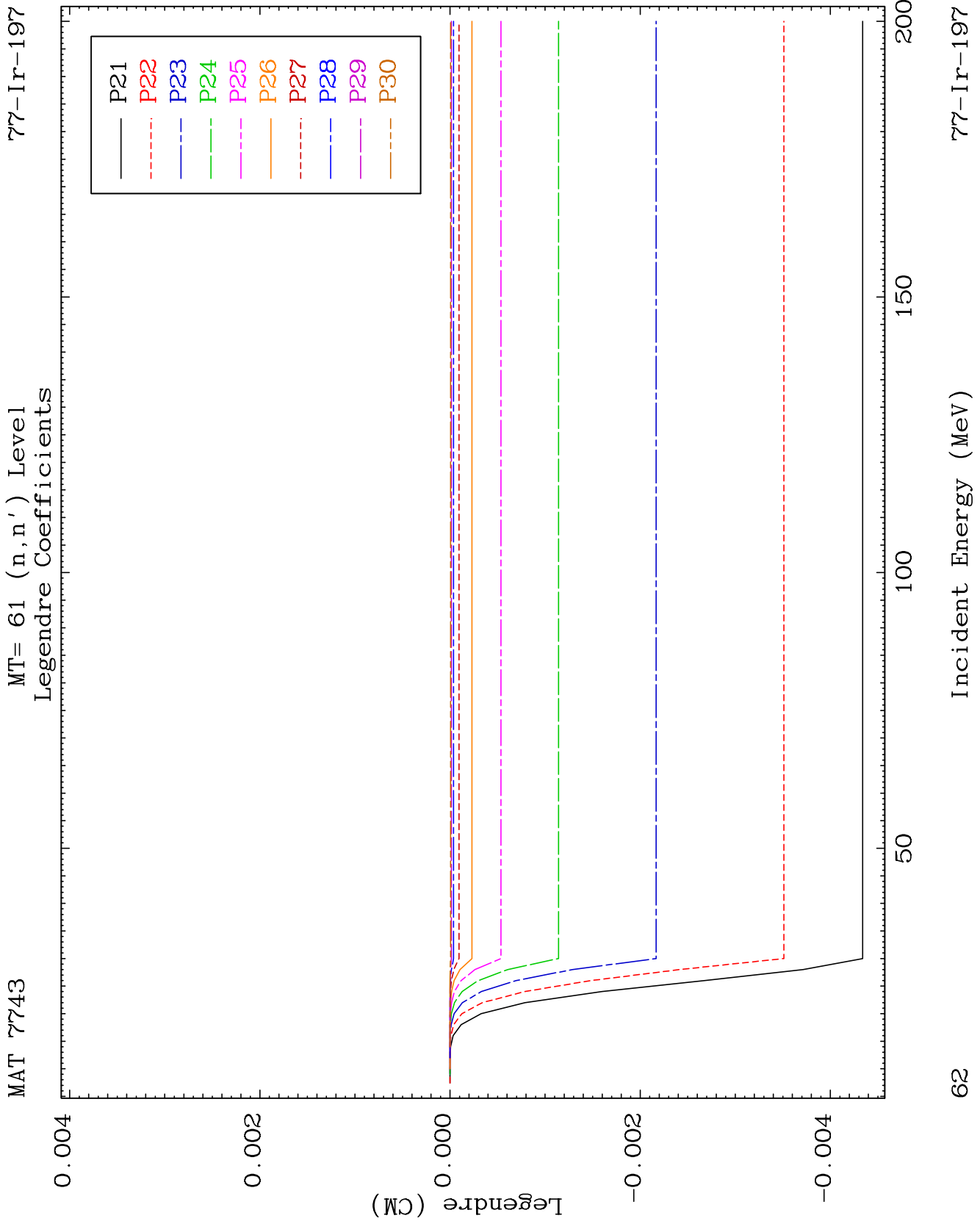
77-Ir-197

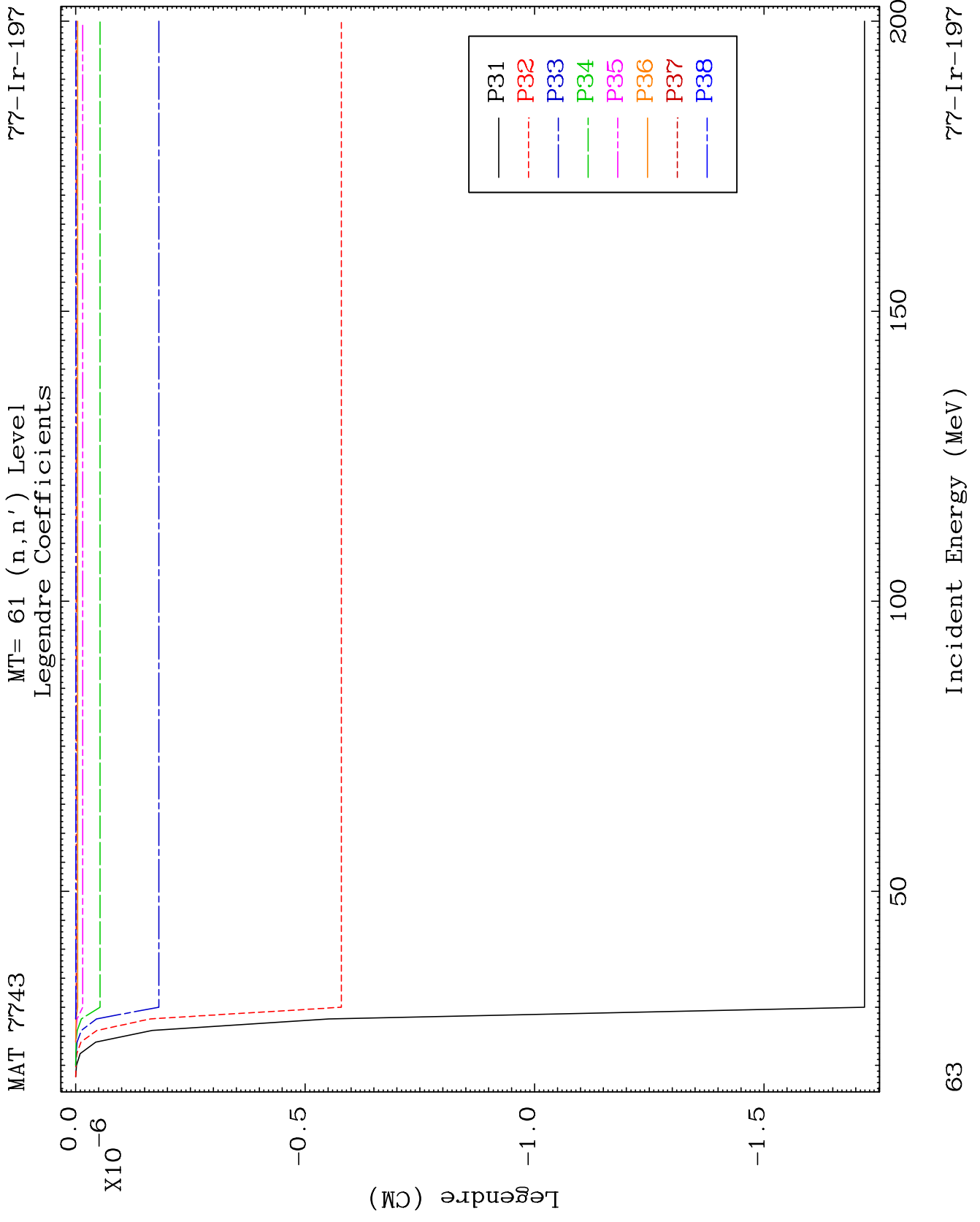


61

Incident Energy (MeV)

77-Ir-197

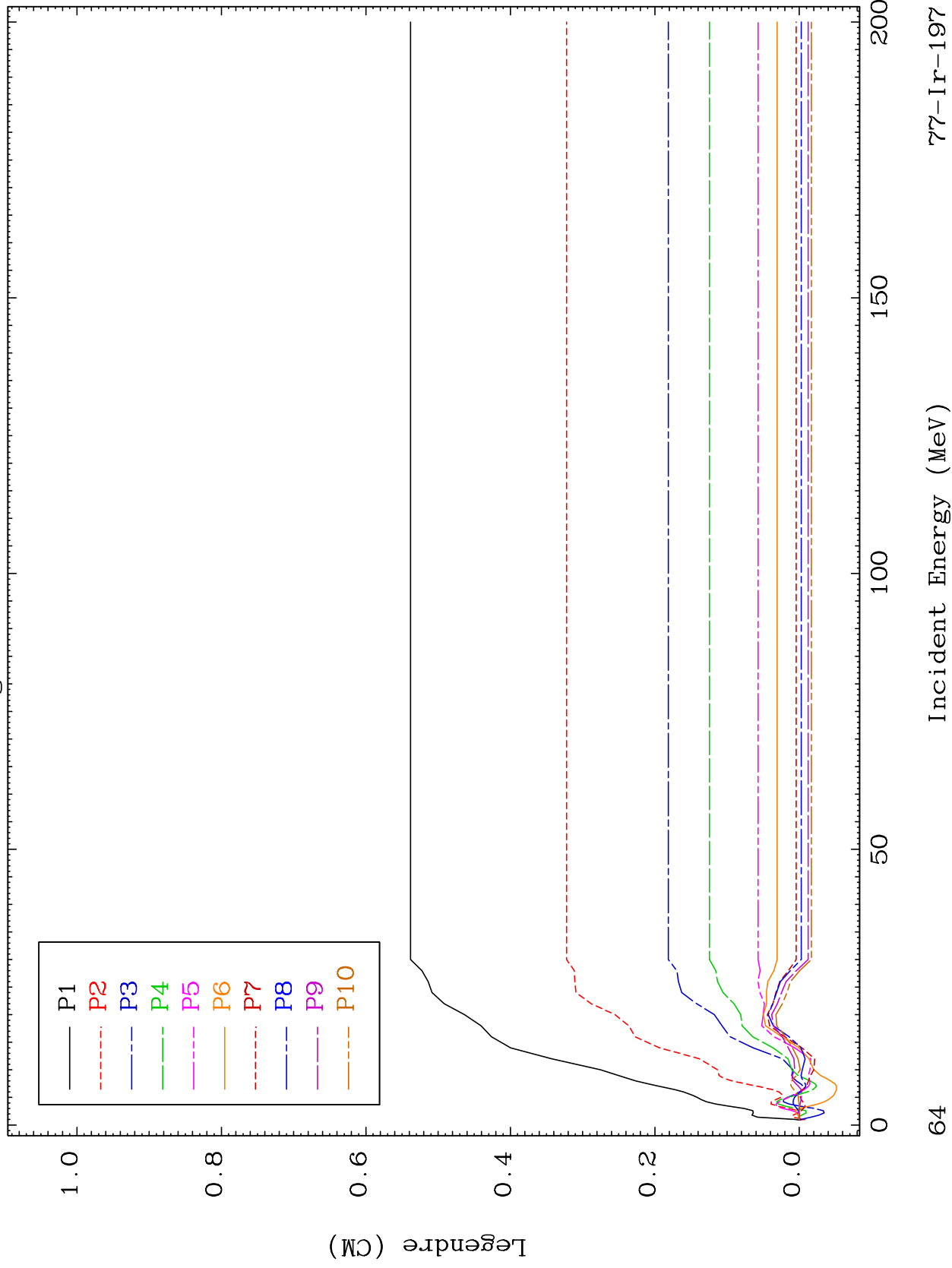




MAT 7743

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

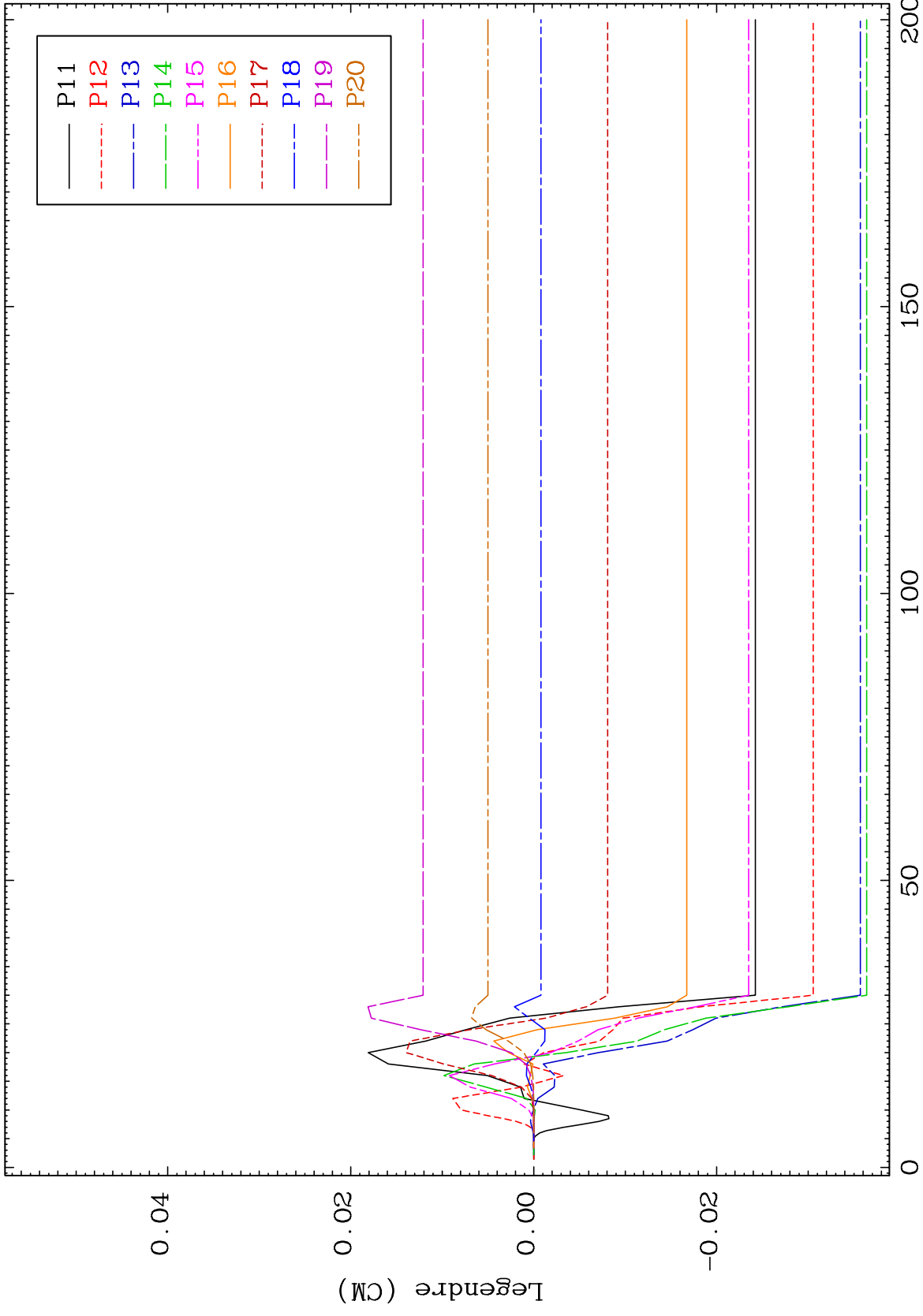
77-Ir-197



MAT 7743

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

77-Ir-197



65

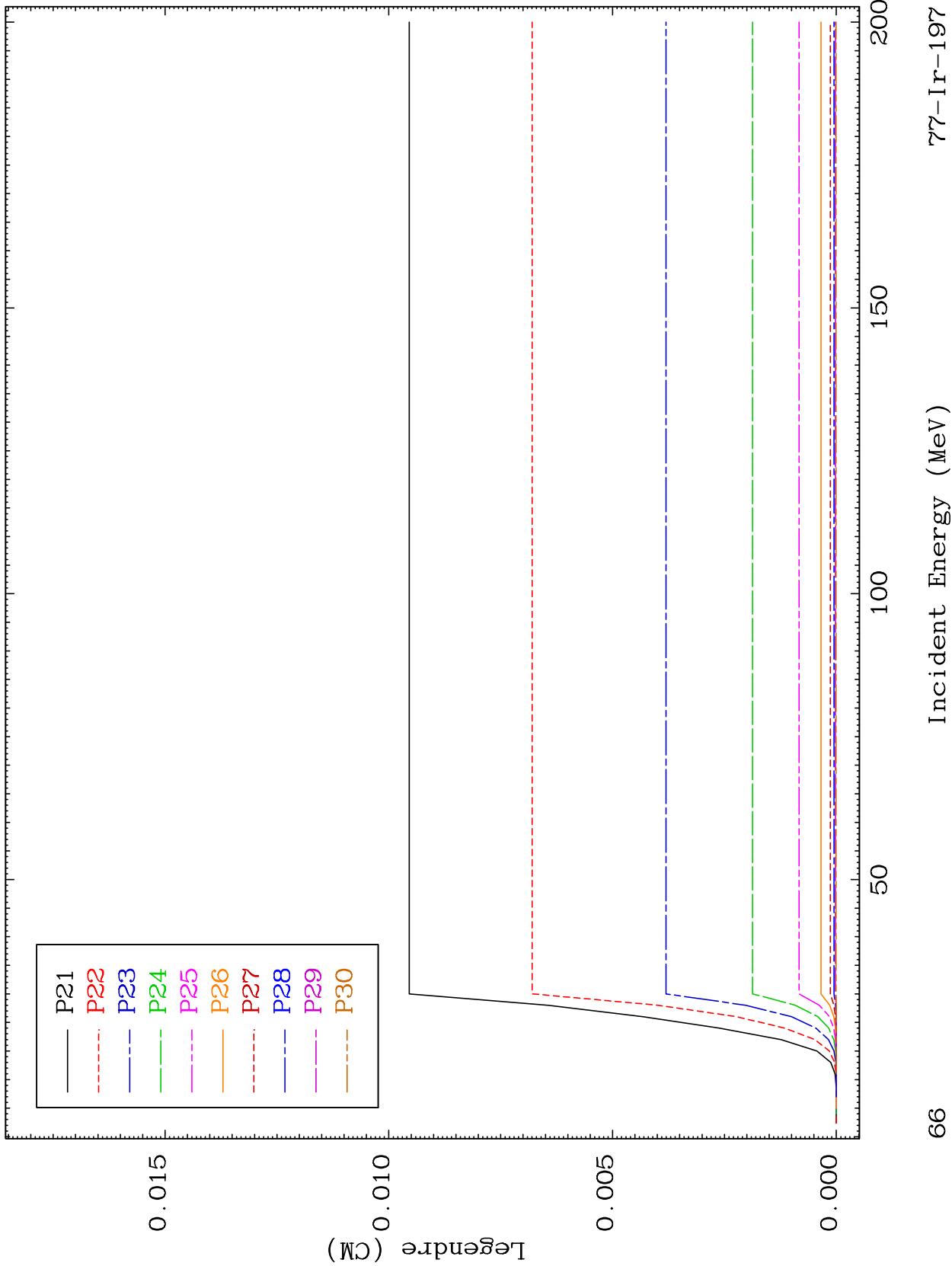
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



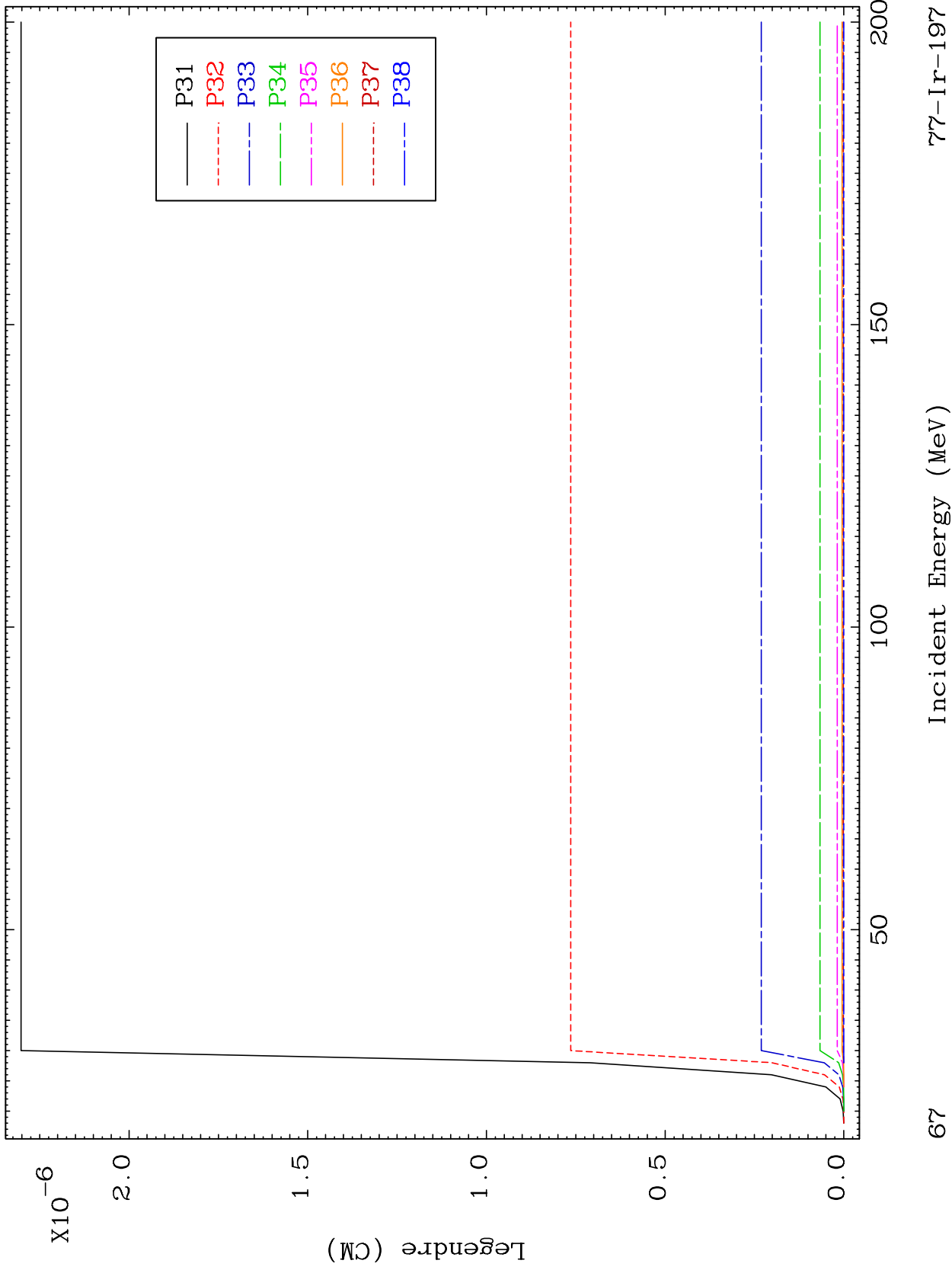
66

77-Ir-197

MAT 7743

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

77-Ir-197



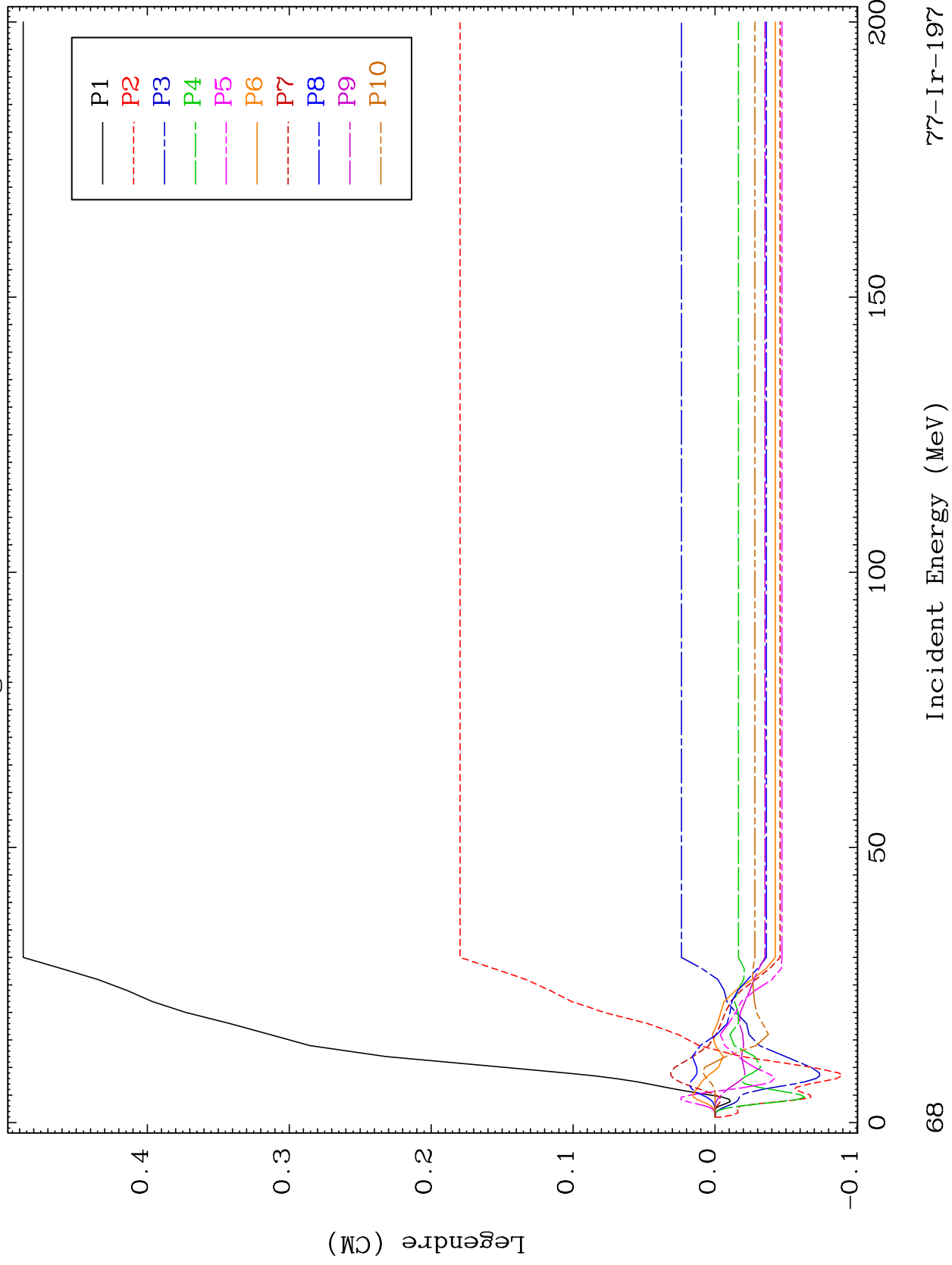
67

77-Ir-197

MAT 7743

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

77-Ir-197



77-Ir-197

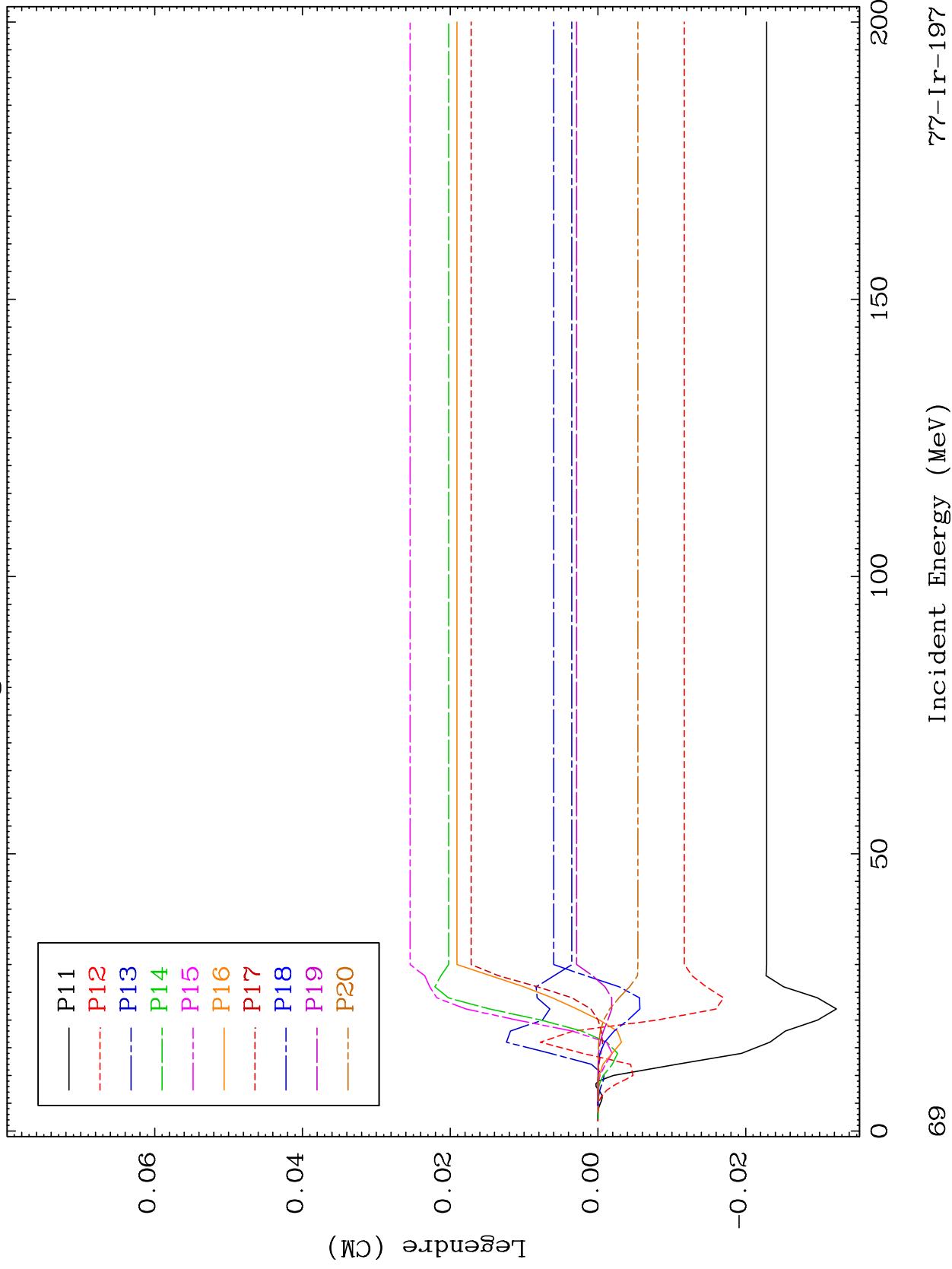
Incident Energy (MeV)

68

MAT 7743

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

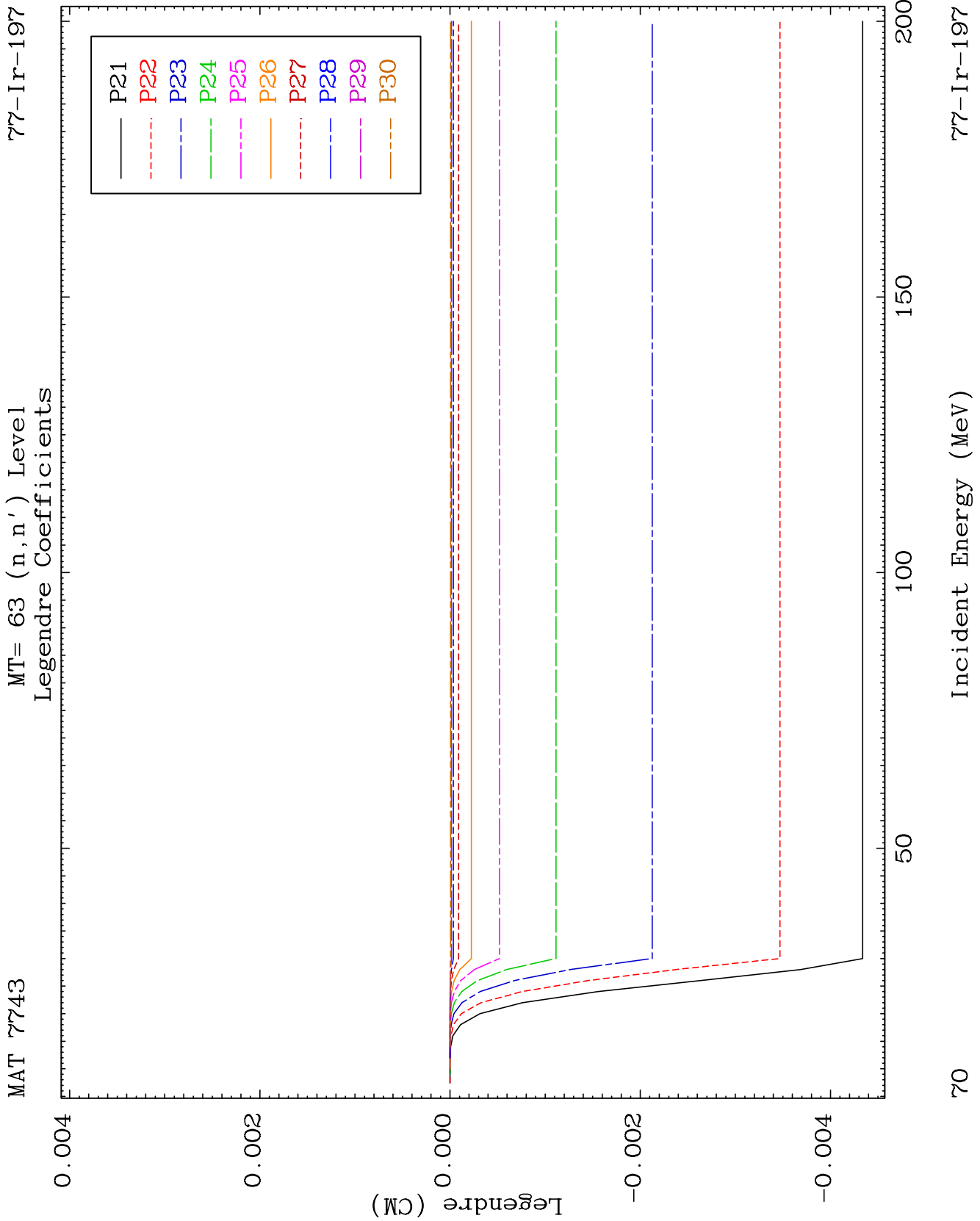
77-Ir-197

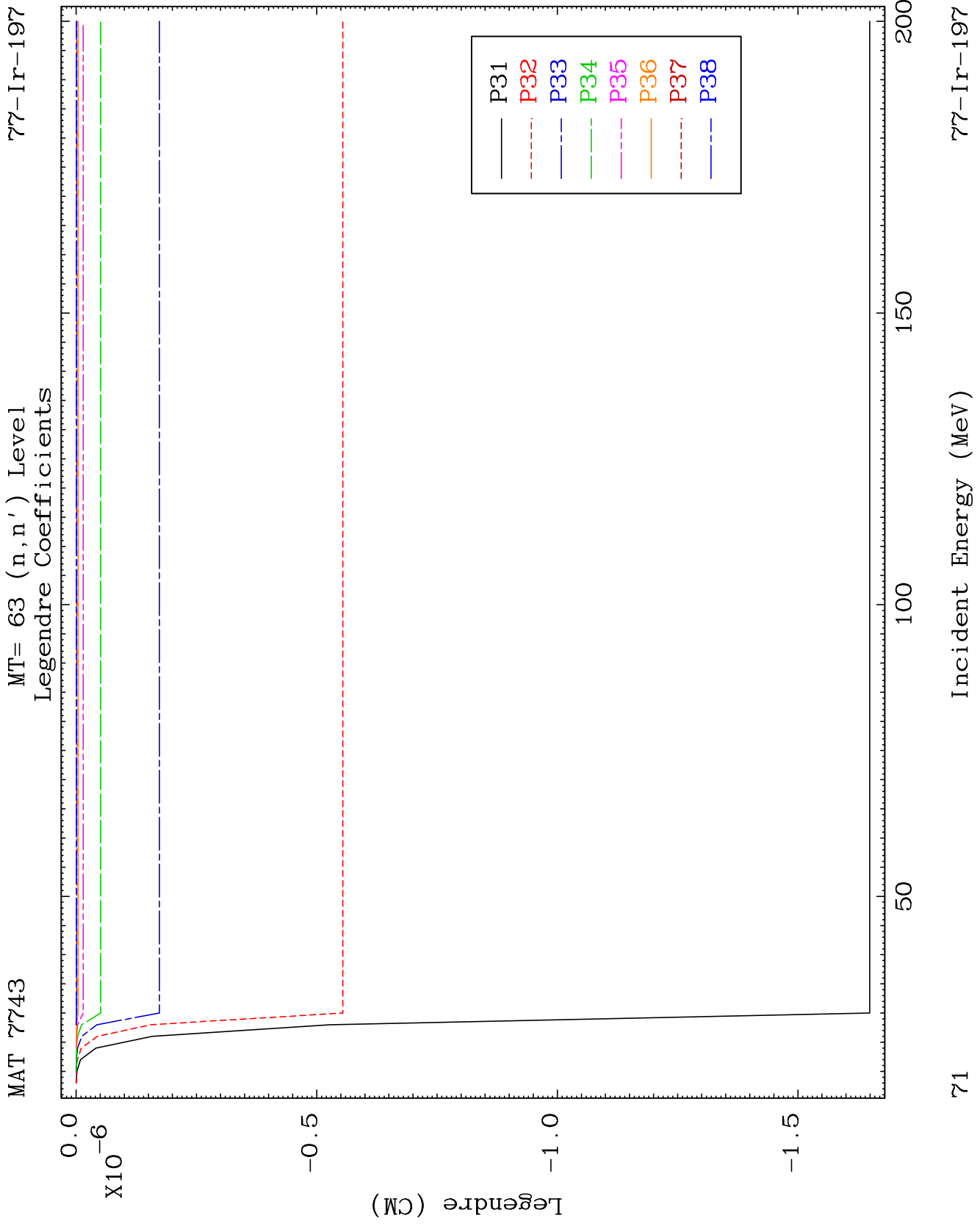


77-Ir-197

Incident Energy (MeV)

69

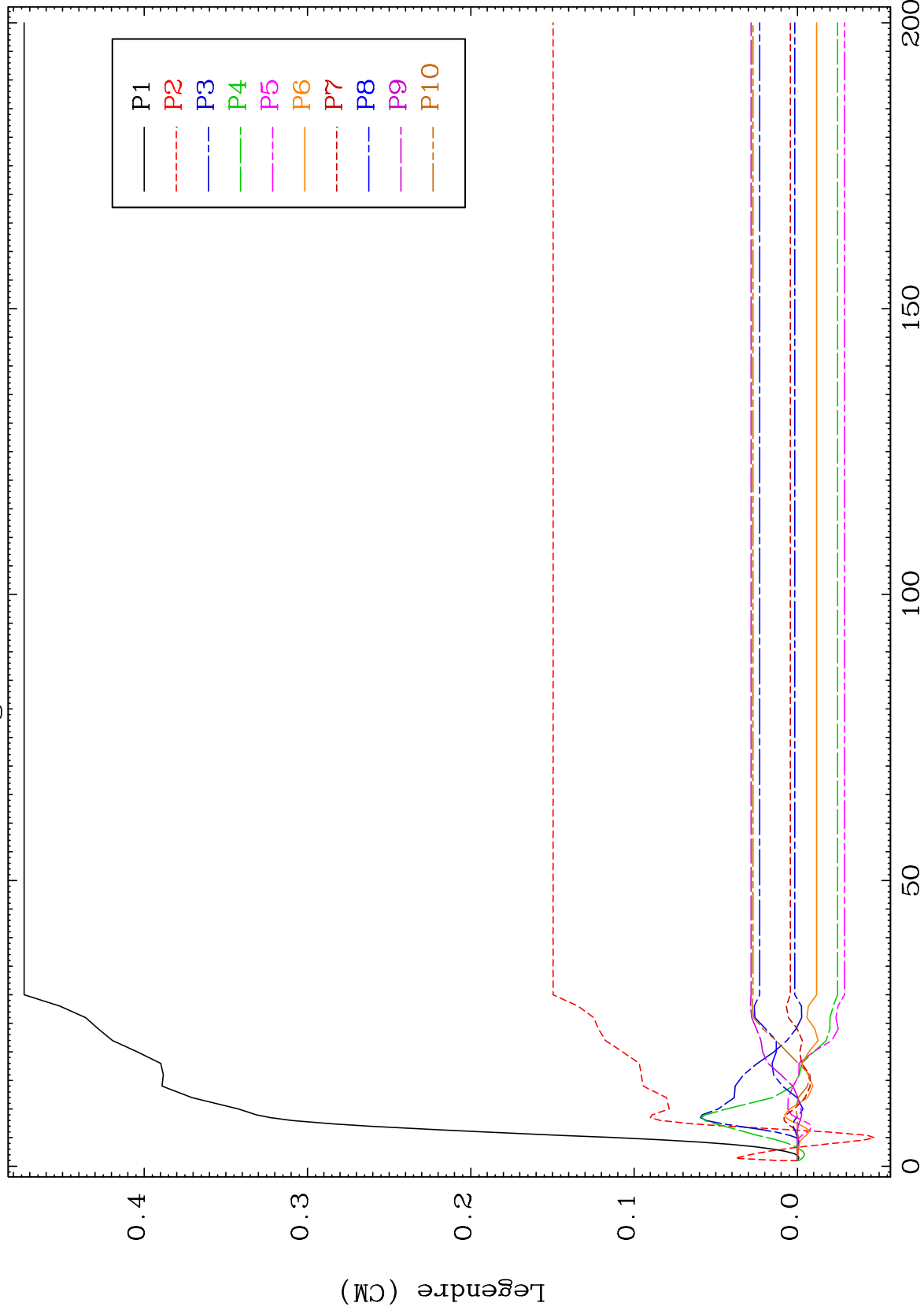




MAT 7743

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

77-Ir-197



72

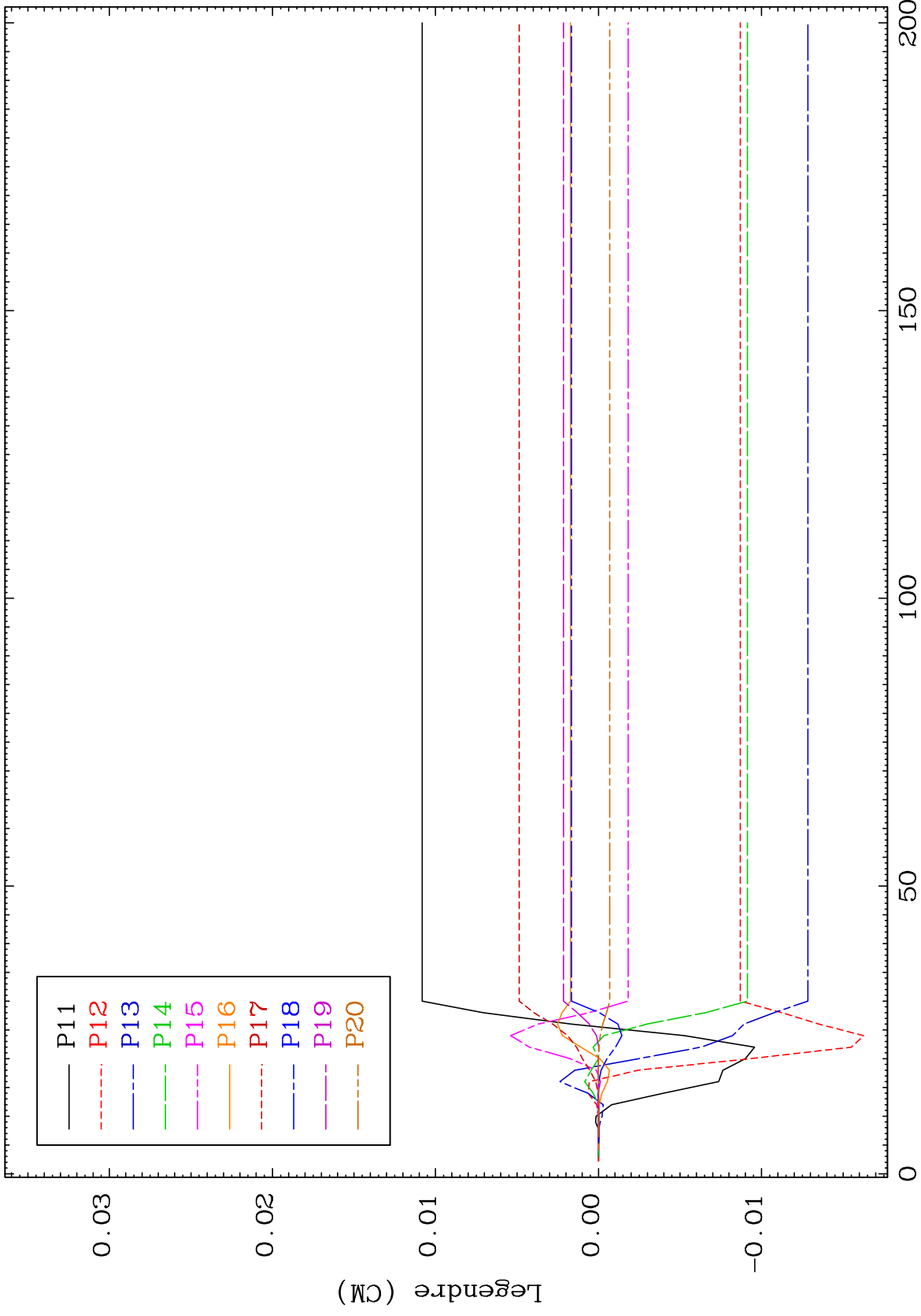
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

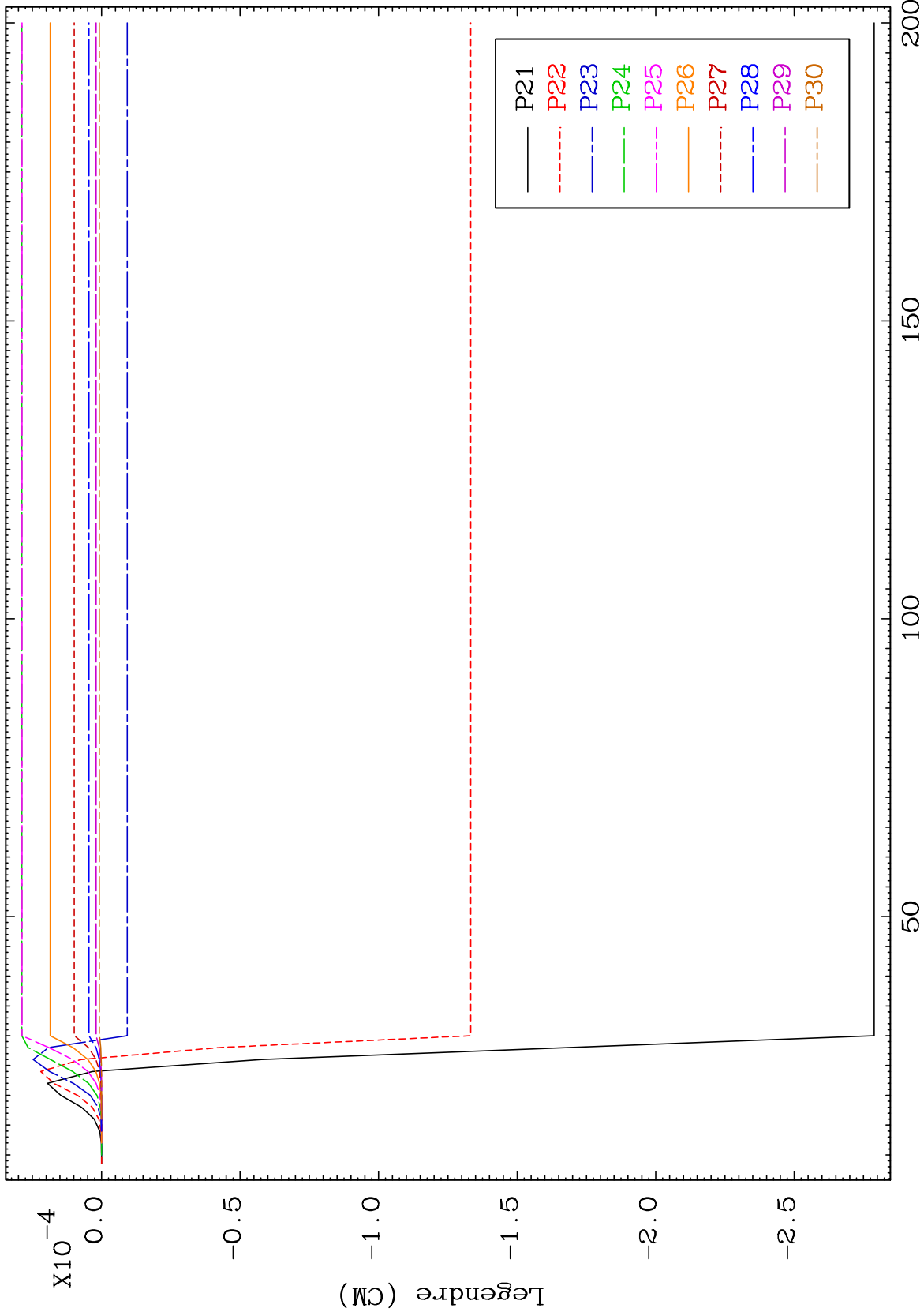
77-Ir-197



73

Incident Energy (MeV)

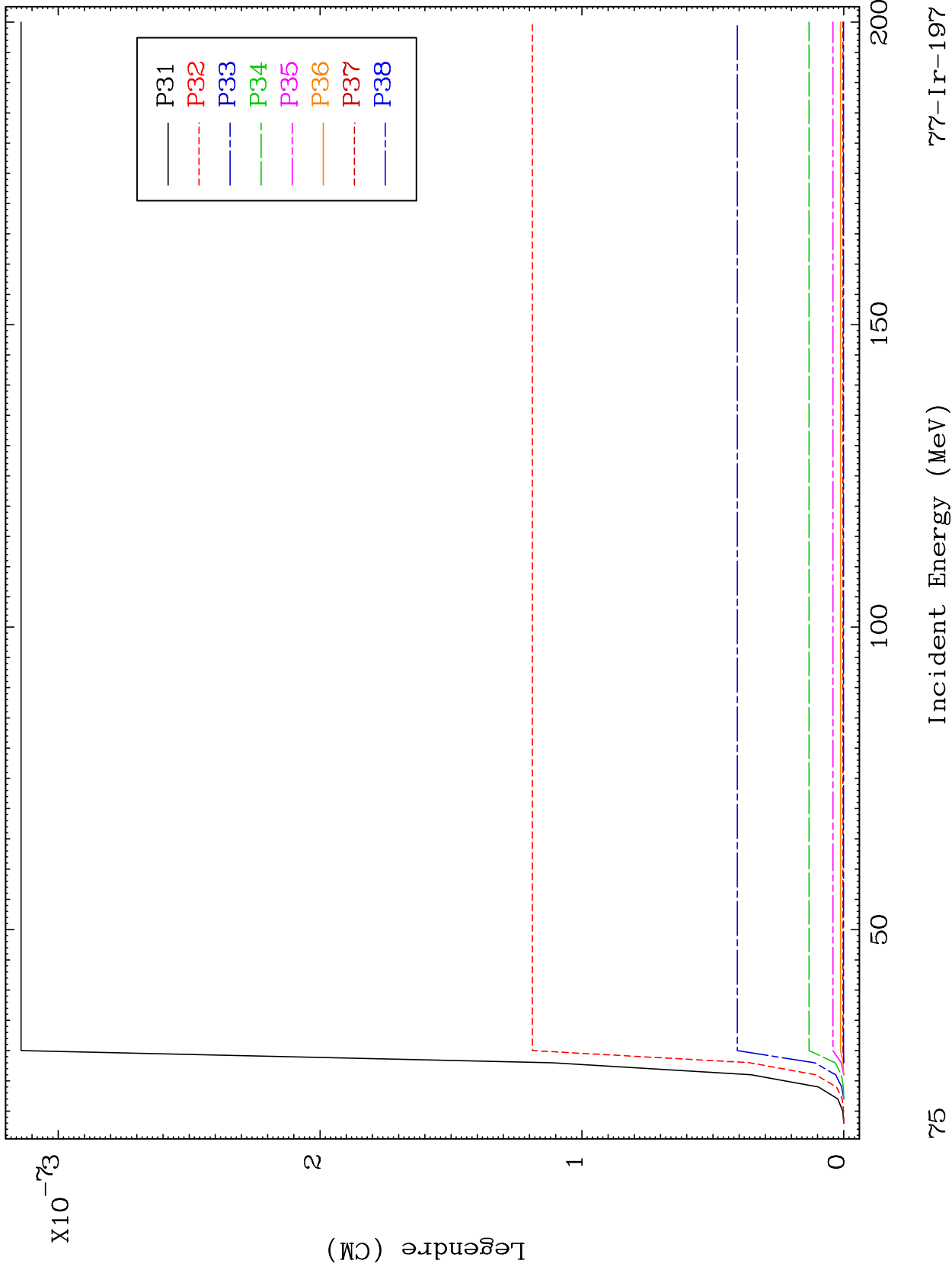
77-Ir-197



MAT 7743

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

77-Ir-197



77-Ir-197

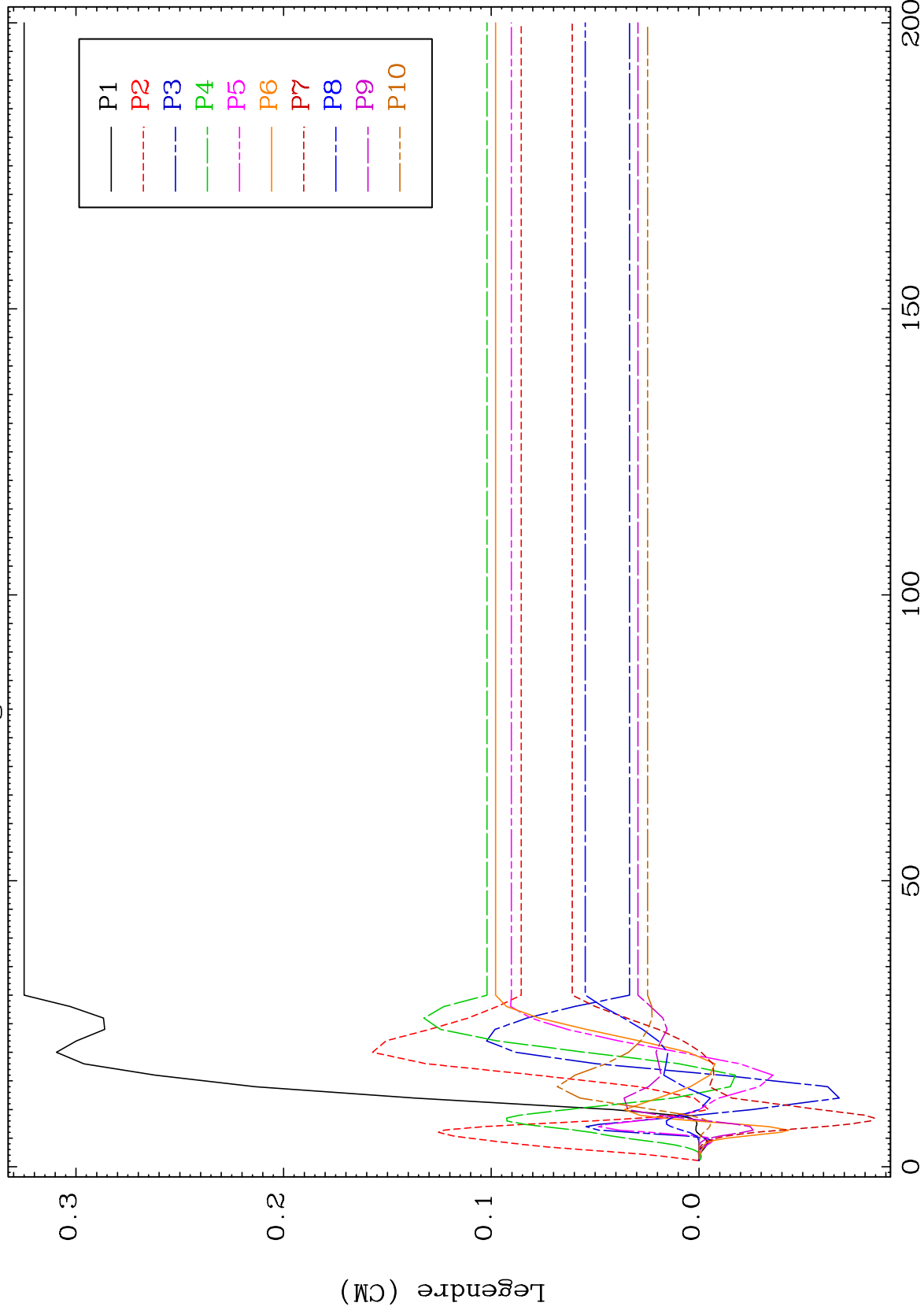
Incident Energy (MeV)

75

MAT 7743

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

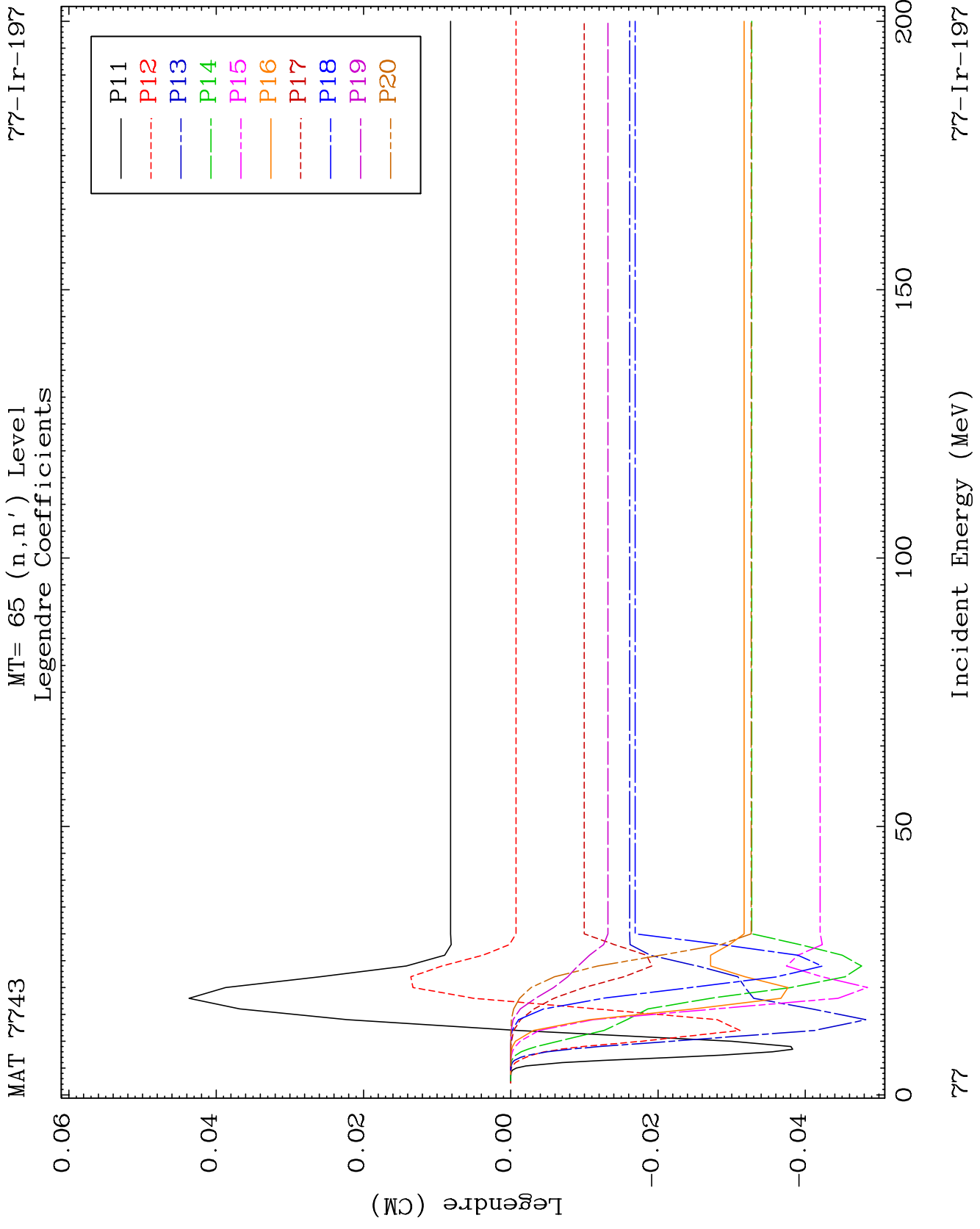
77-Ir-197



76

Incident Energy (MeV)

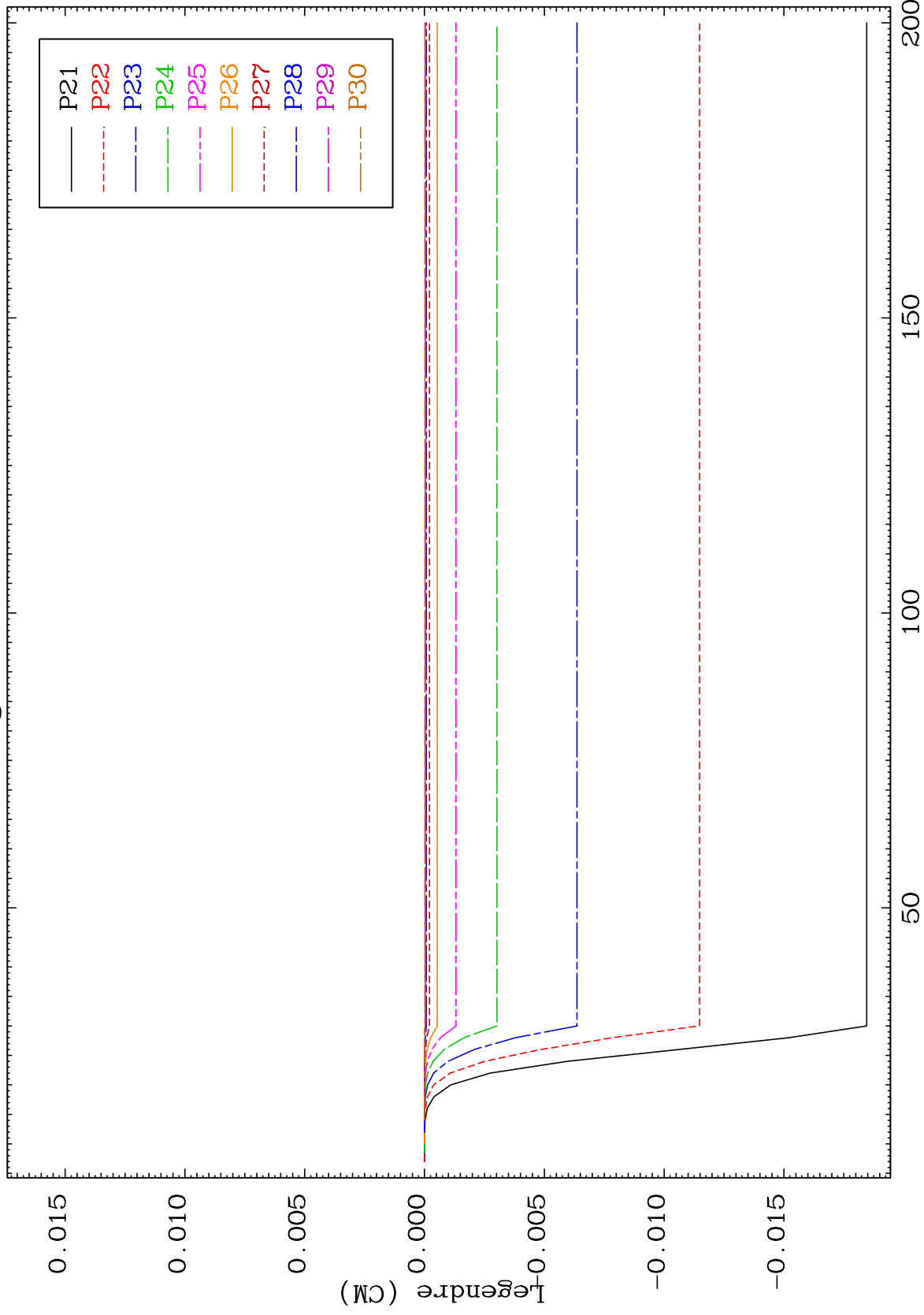
77-Ir-197



MAT 7743

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

77-Ir-197



78

Incident Energy (MeV)

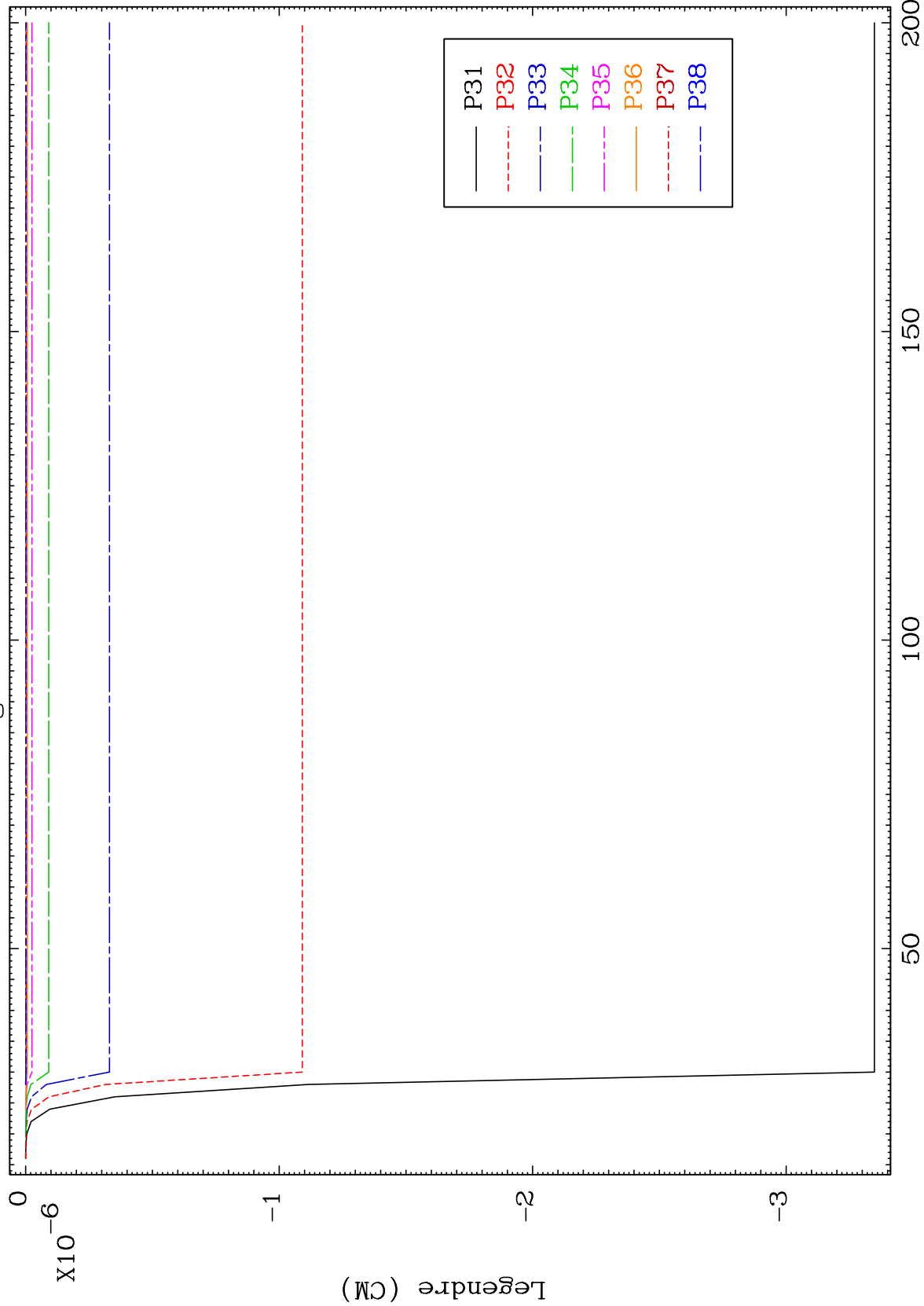
77-Ir-197

MAT 7743

MT= 65 (n,n') Level

77-Ir-197

Legendre Coefficients



79

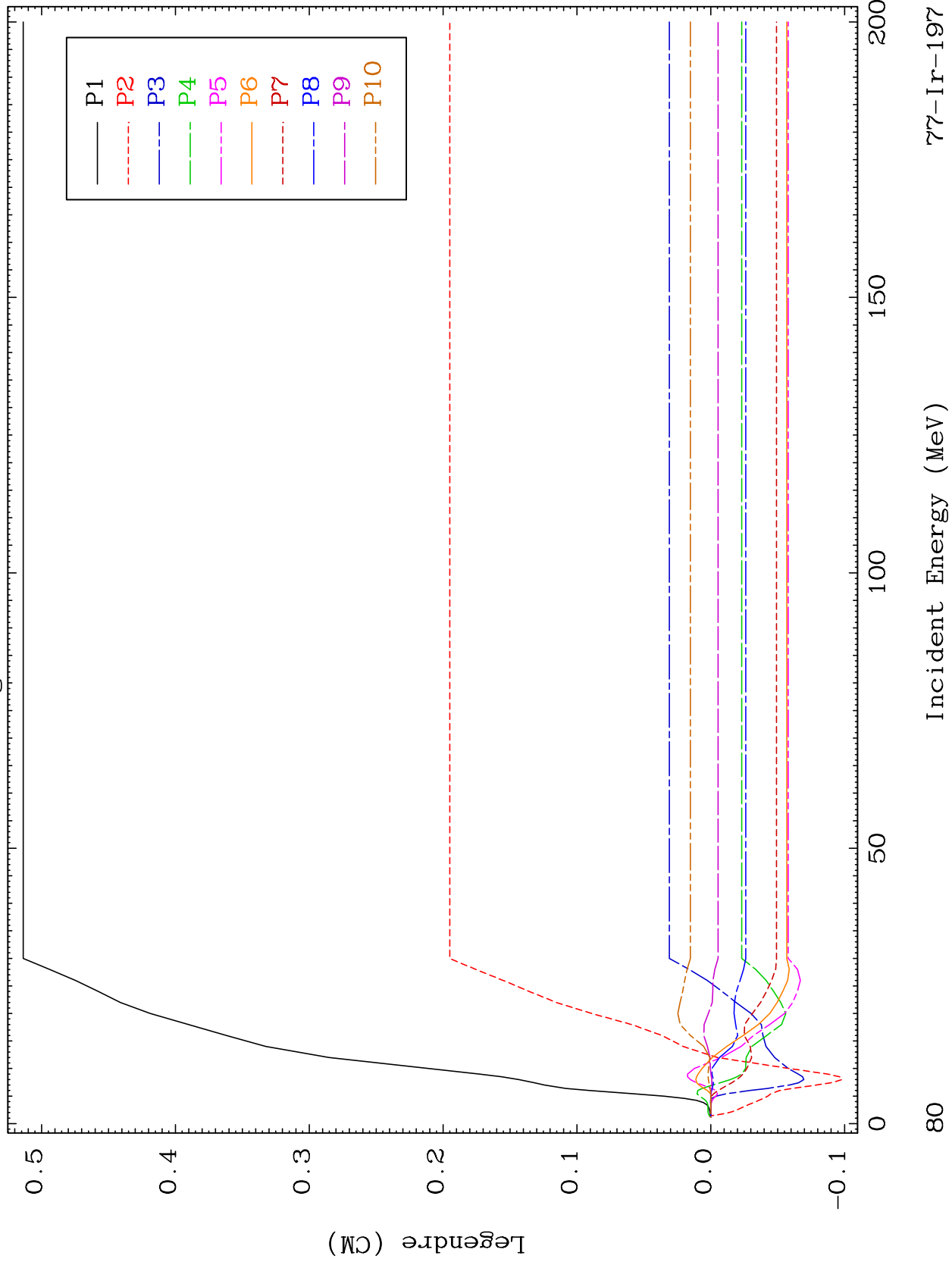
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



77-Ir-197

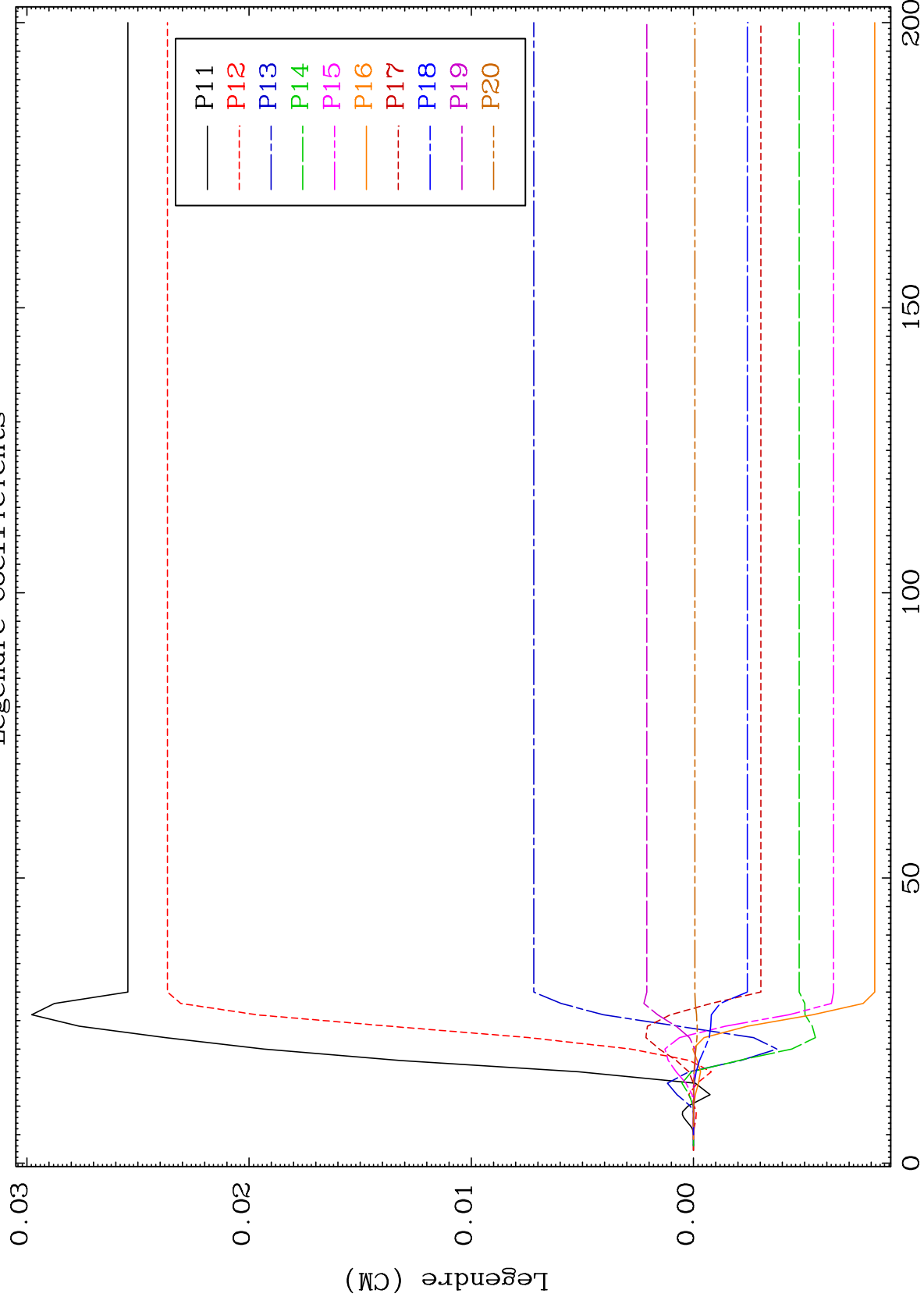
Incident Energy (MeV)

80

MAT 7743

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

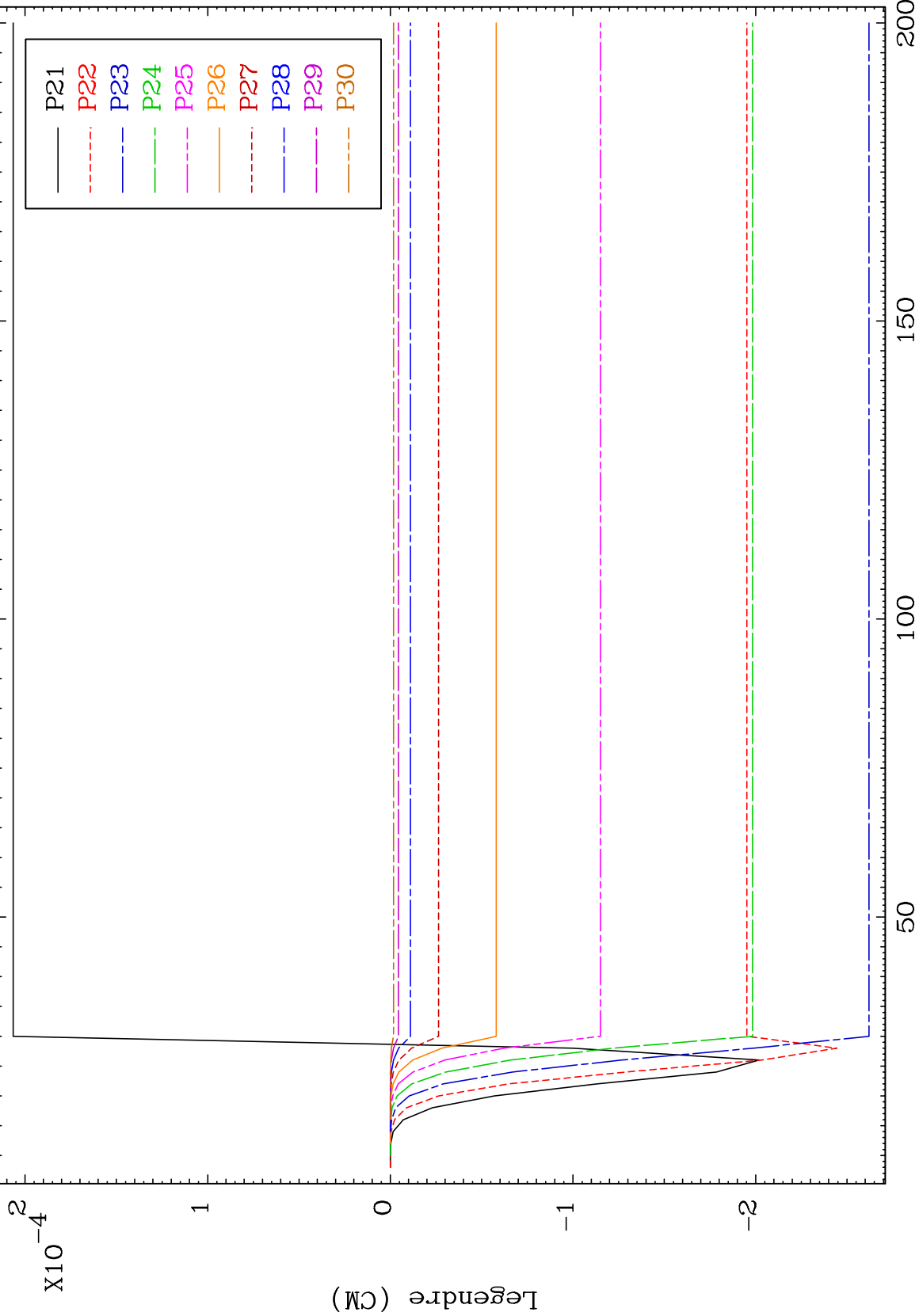
77-Ir-197



MAT 7743

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

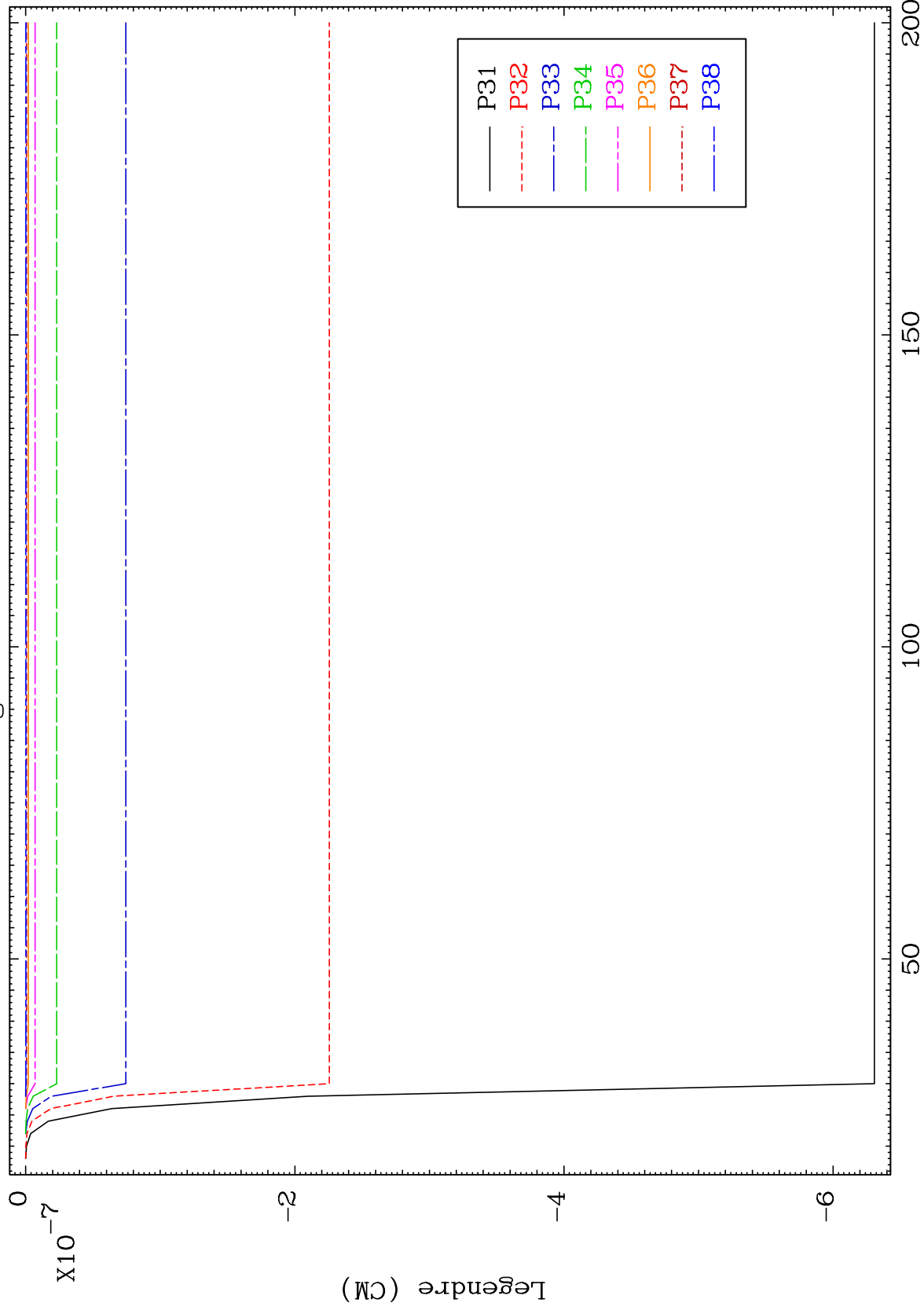
77-Ir-197



MAT 7743

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

77-Ir-197



83

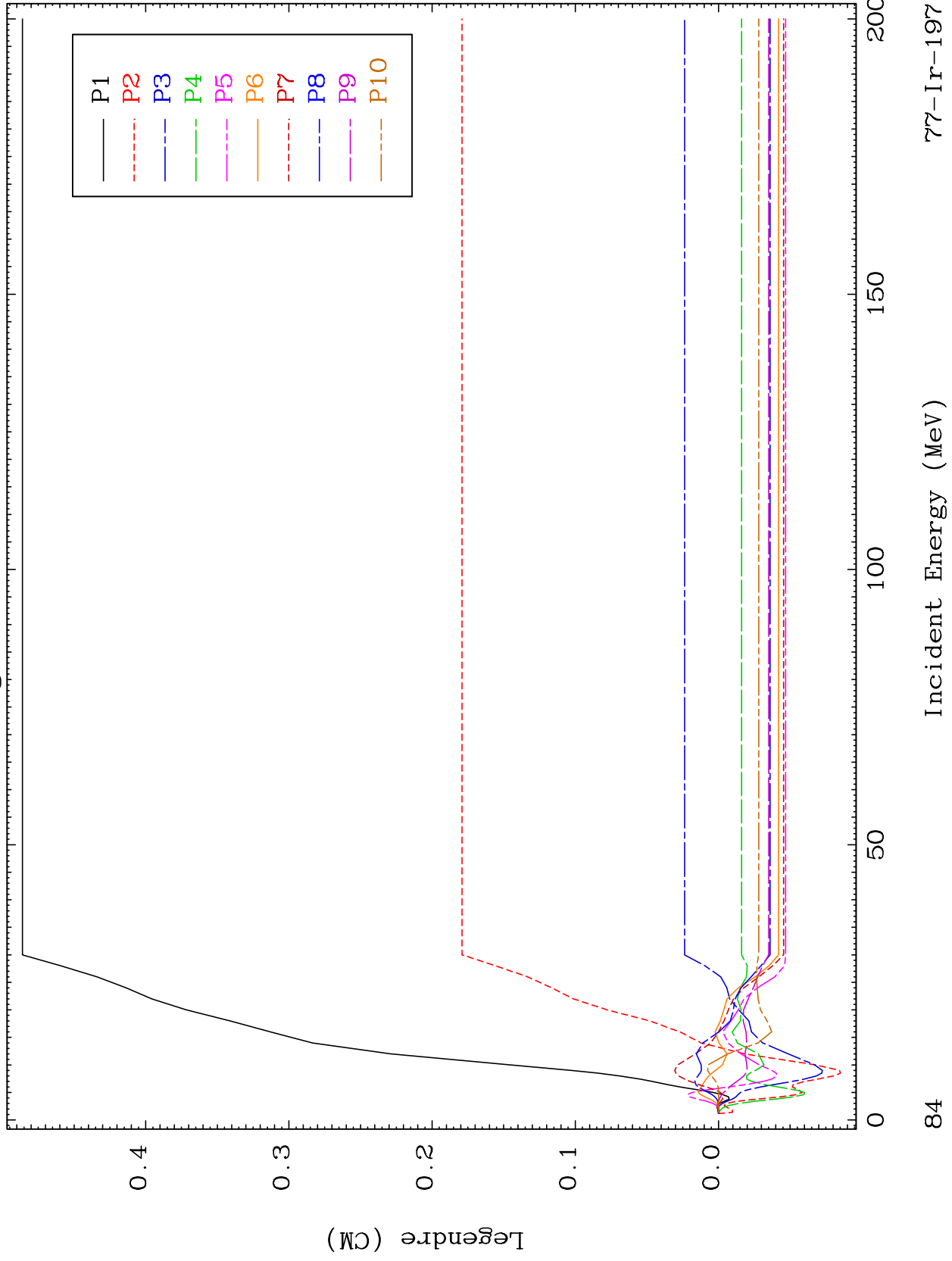
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



77-Ir-197

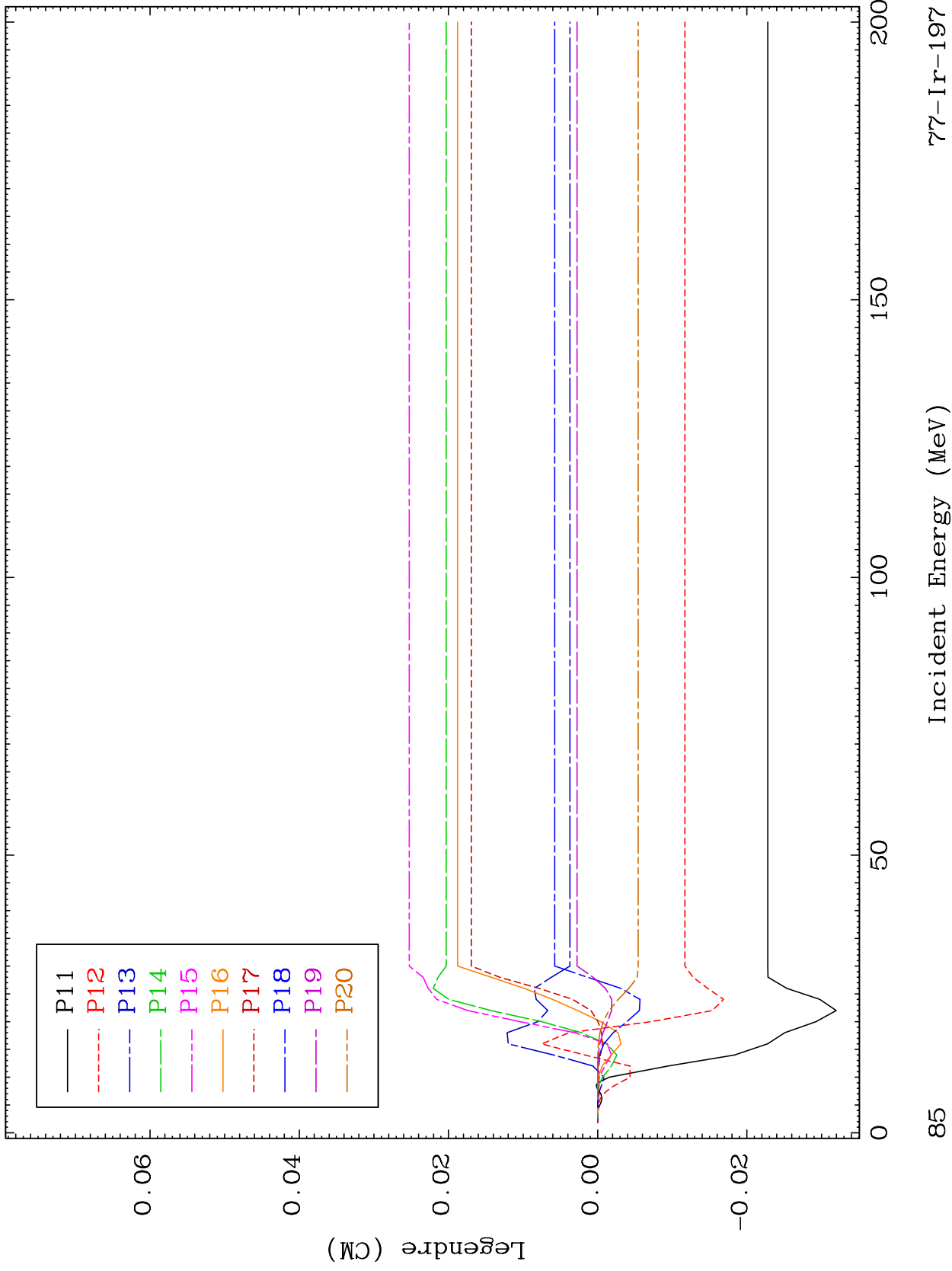
Incident Energy (MeV)

84

MAT 7743

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

77-Ir-197



77-Ir-197

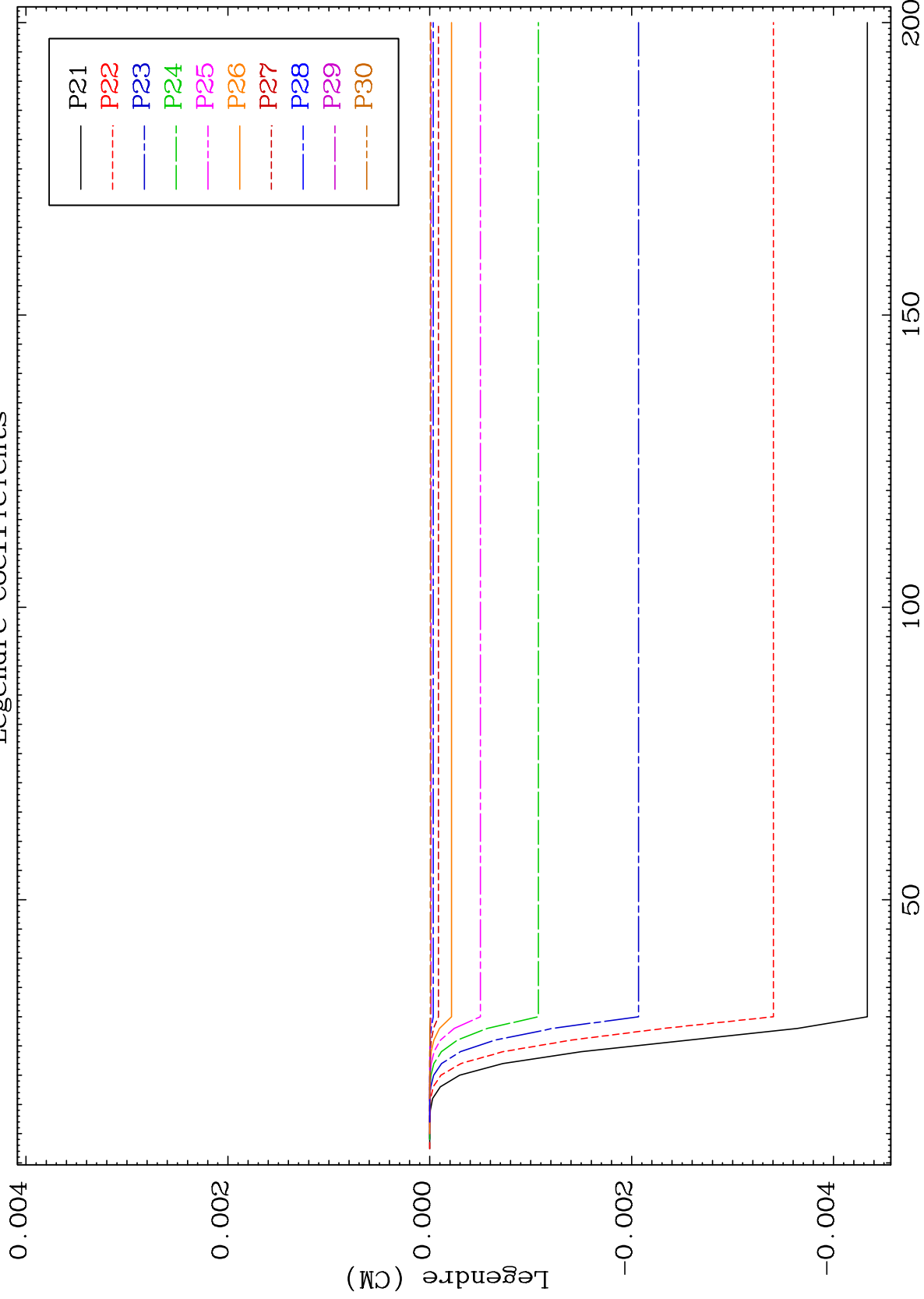
Incident Energy (MeV)

85

MAT 7743

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

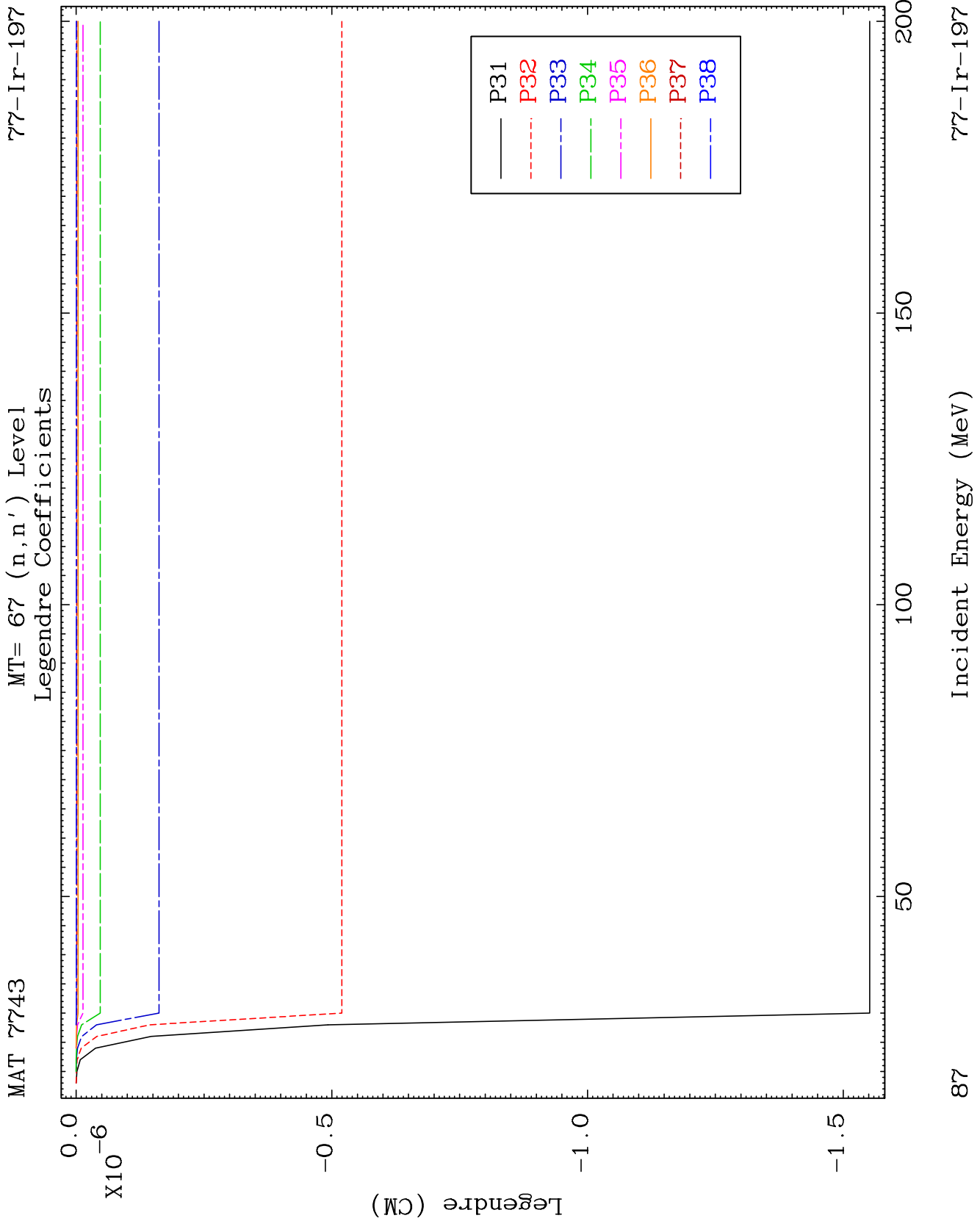
77-Ir-197



86

Incident Energy (MeV)

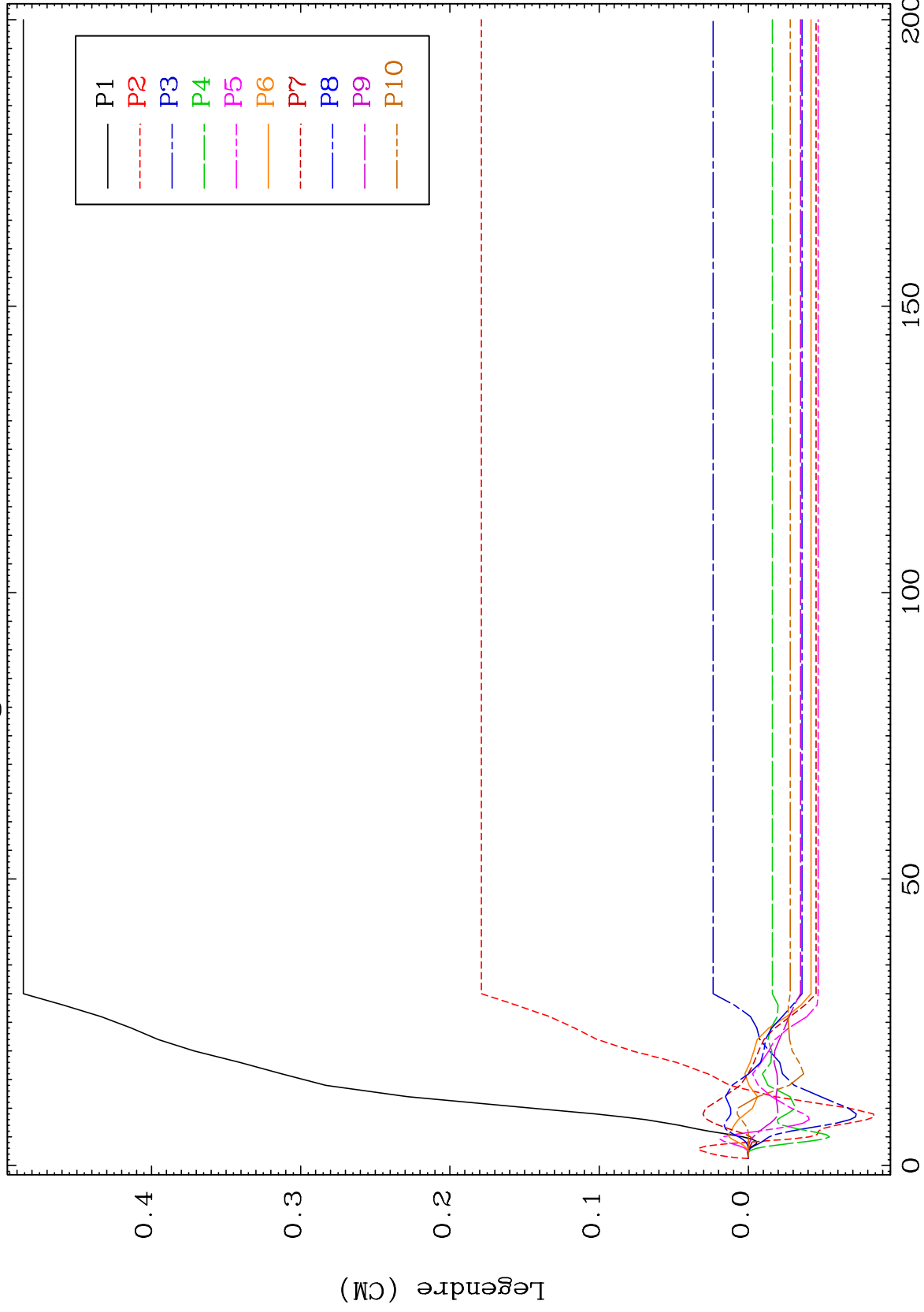
77-Ir-197



MAT 7743

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

77-Ir-197



88

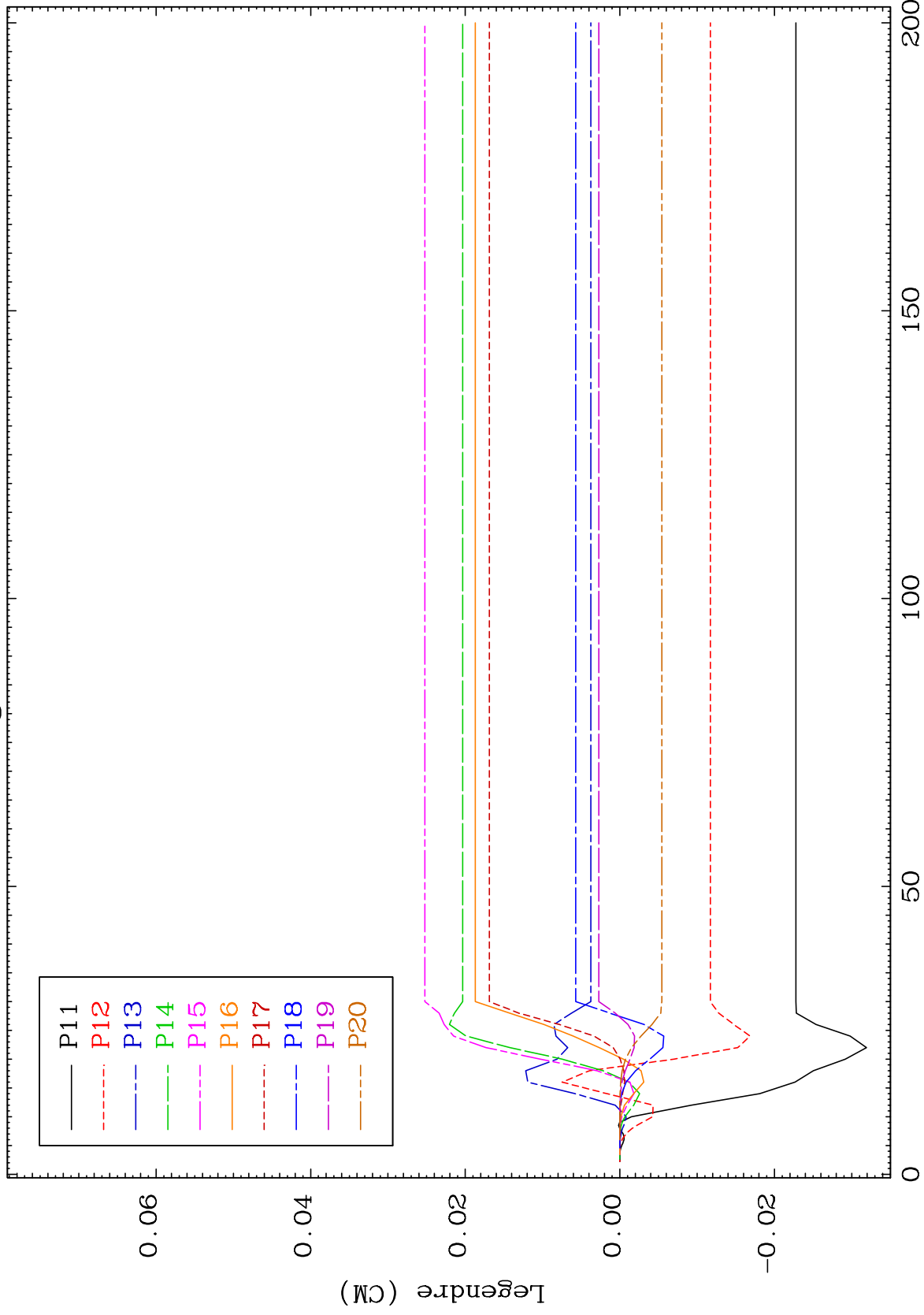
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

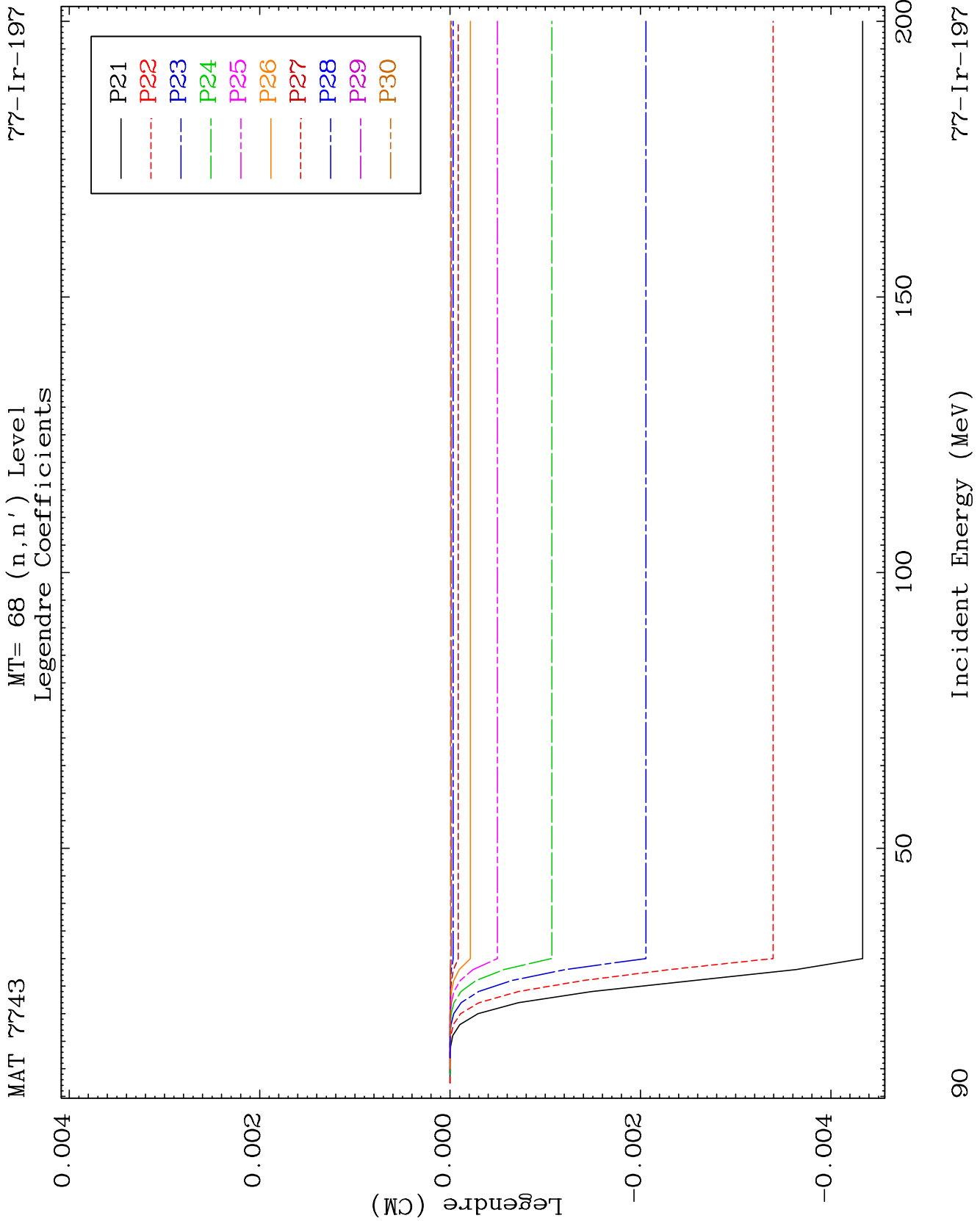
77-Ir-197

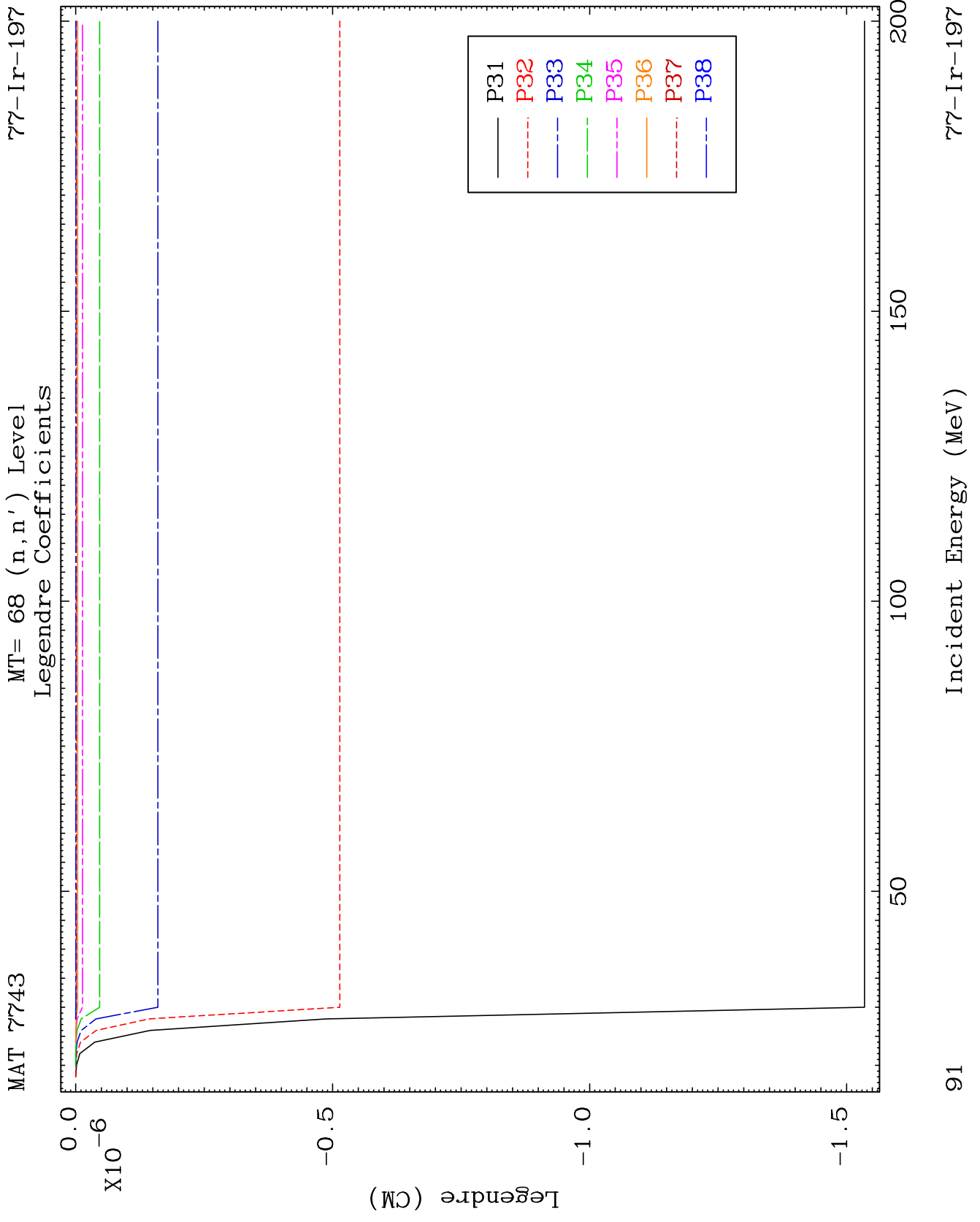


89

Incident Energy (MeV)

77-Ir-197

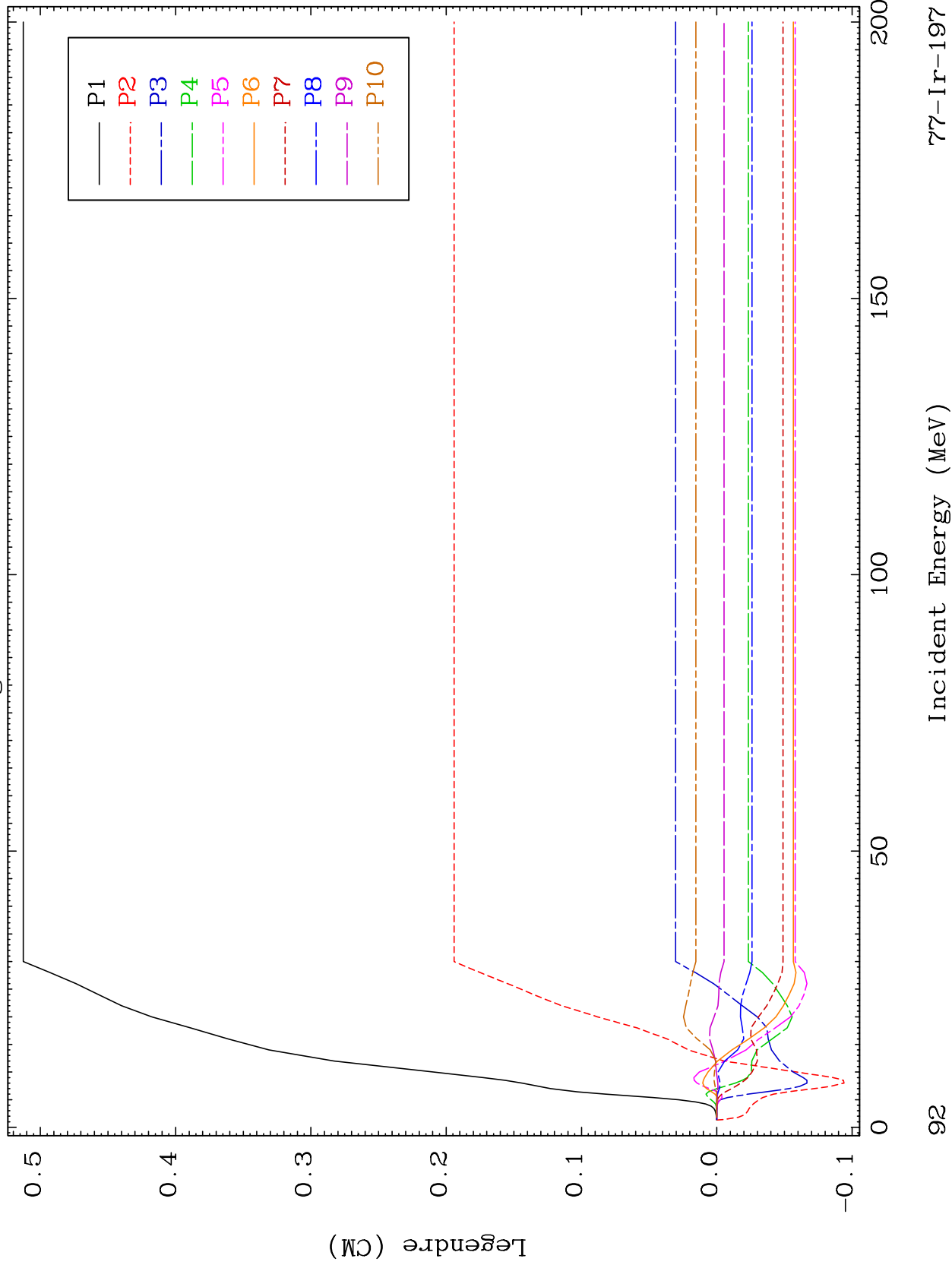




MAT 7743

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

77-Ir-197



77-Ir-197

Incident Energy (MeV)

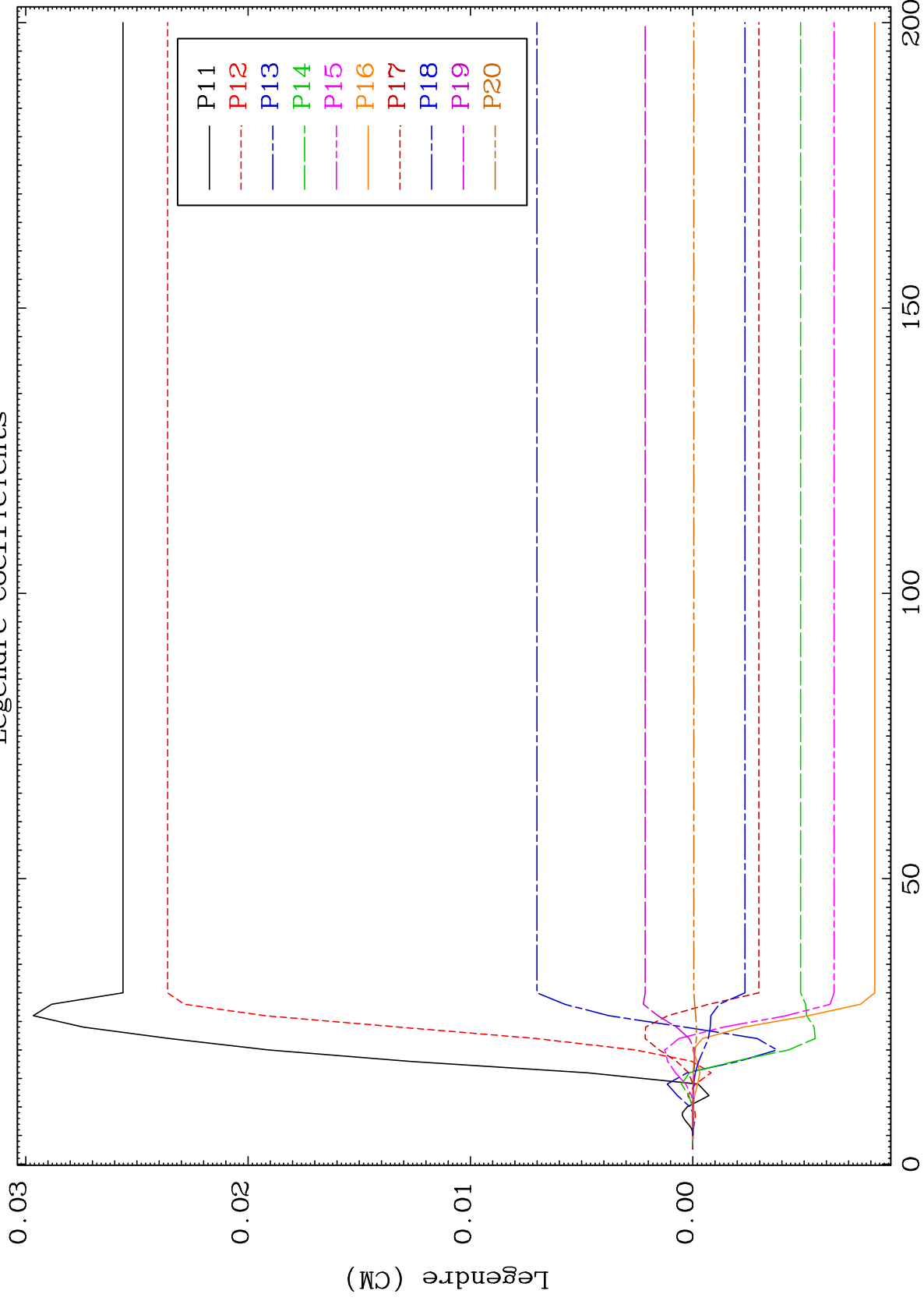
92

MAT 7743

MT= 69 (n,n') Level

77-Ir-197

Legendre Coefficients



93

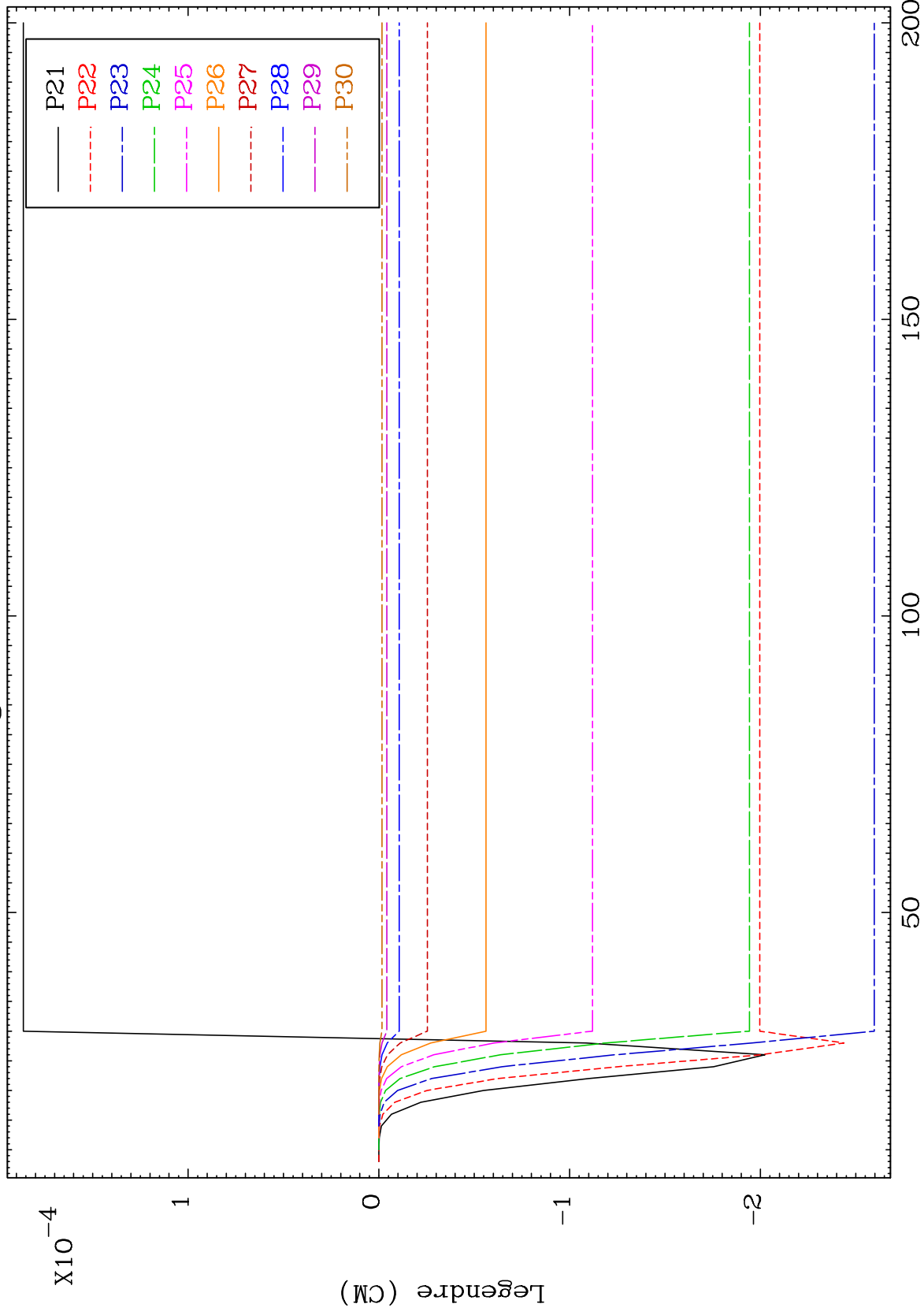
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



94

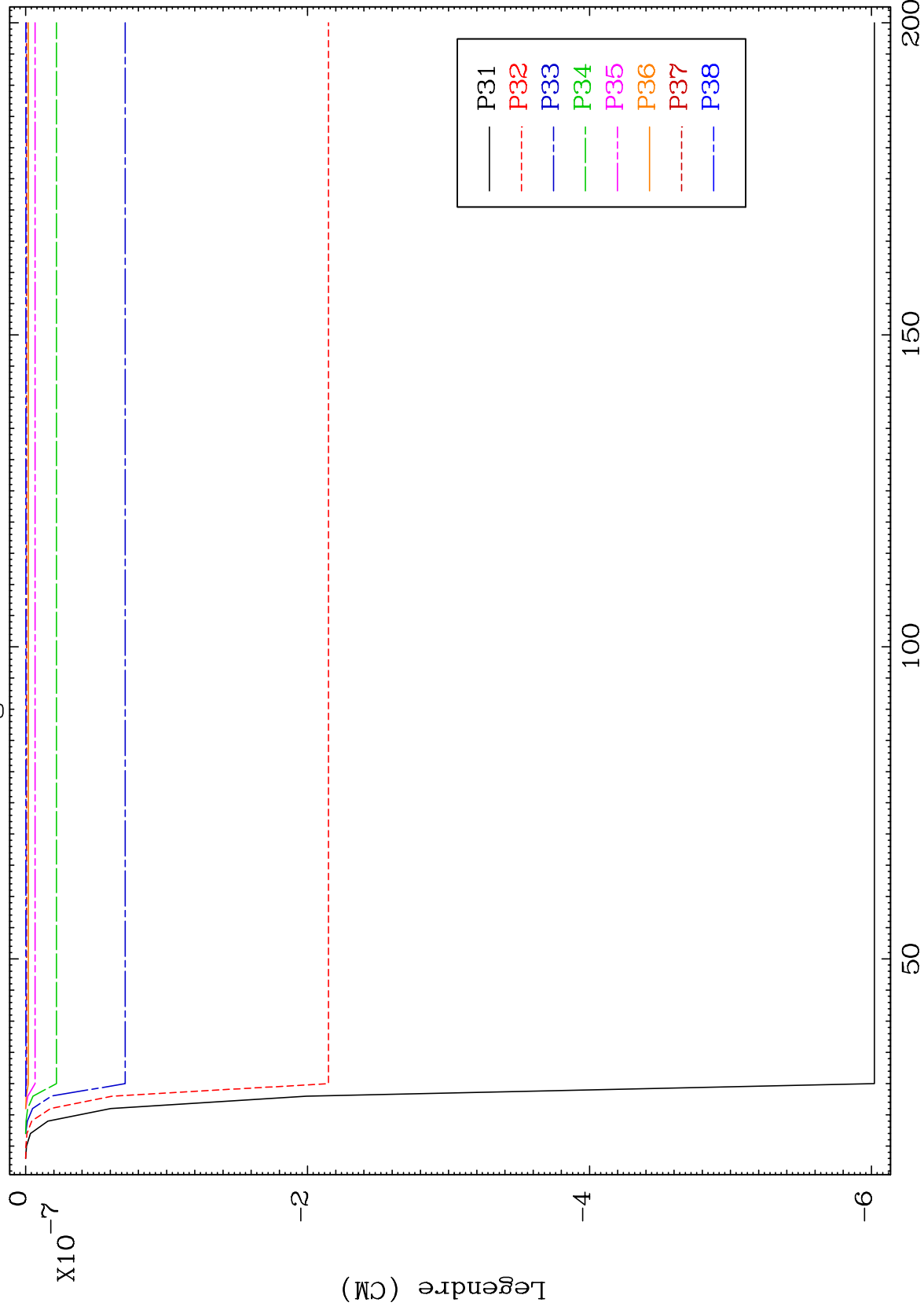
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

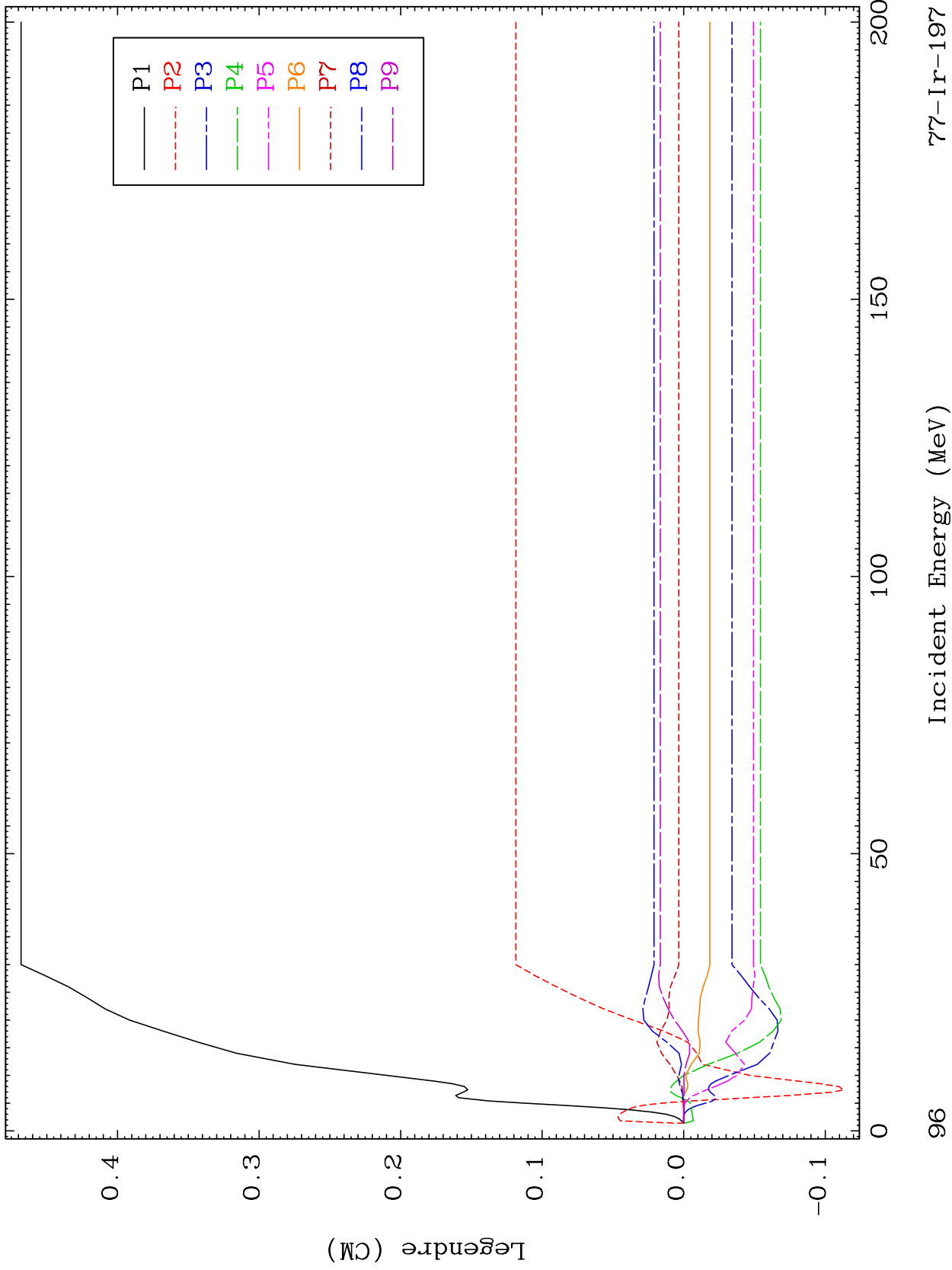
77-Ir-197



77-Ir-197

Incident Energy (MeV)

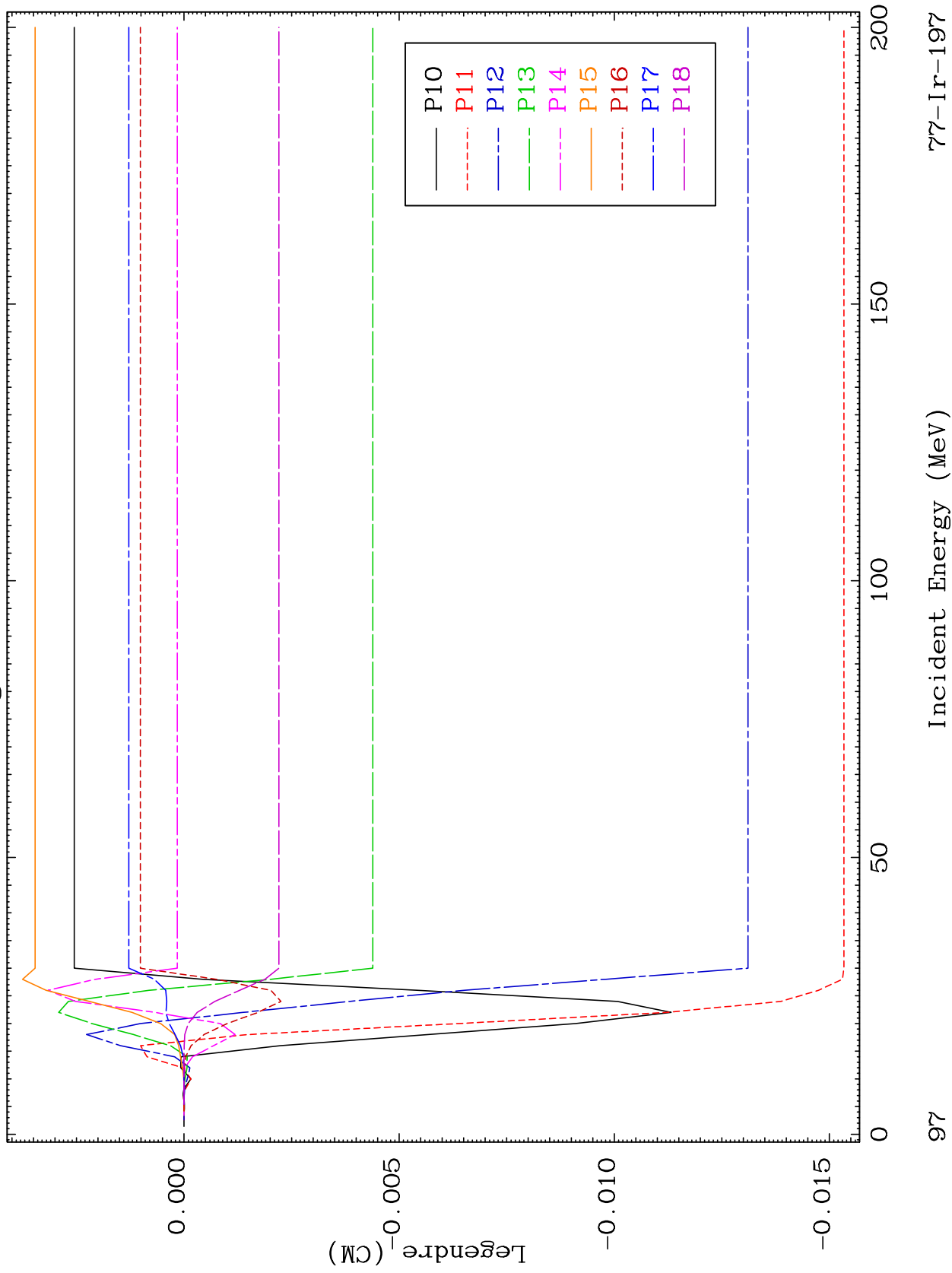
95



MAT 7743

77-Ir-197

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



97

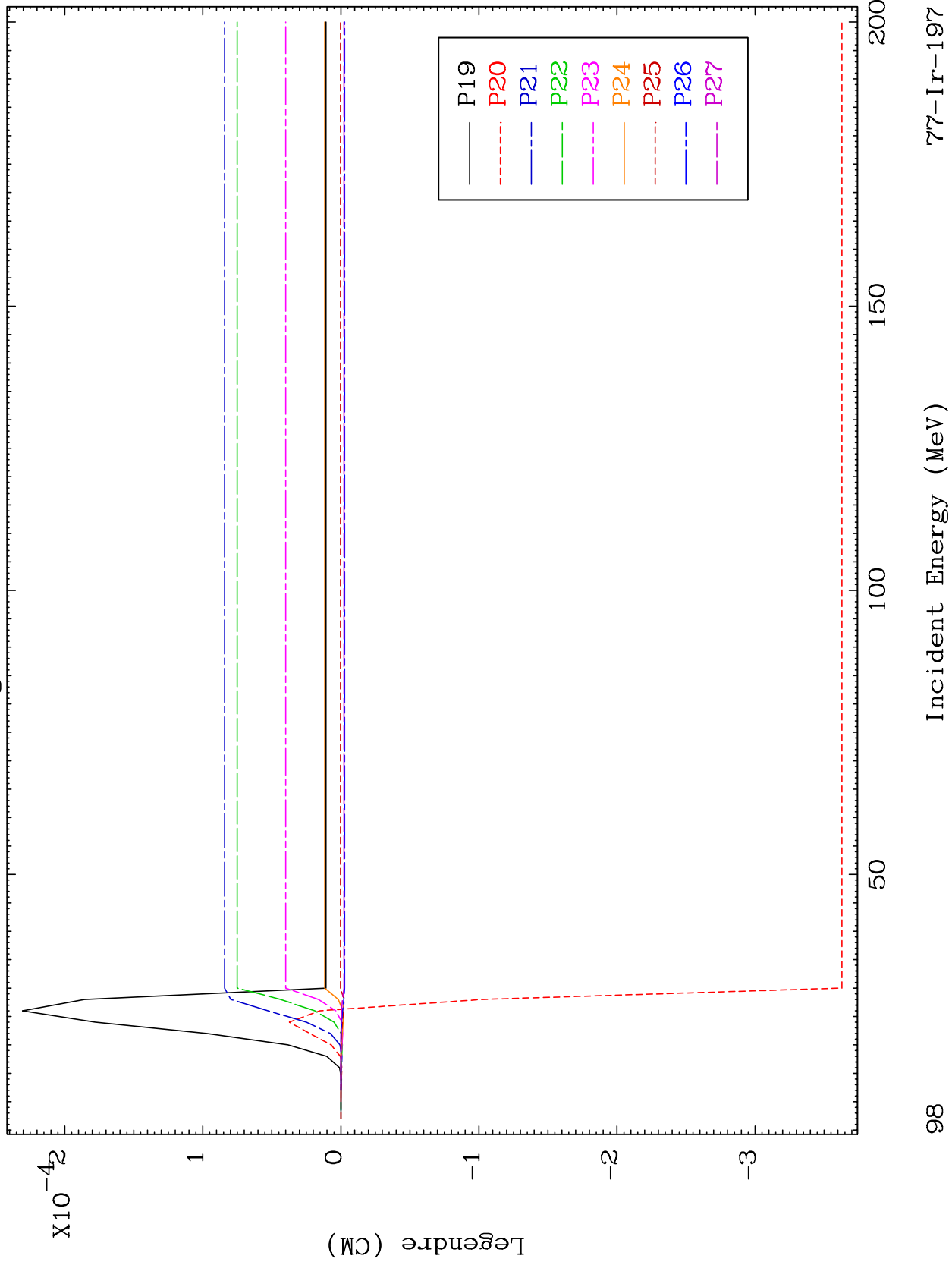
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



98

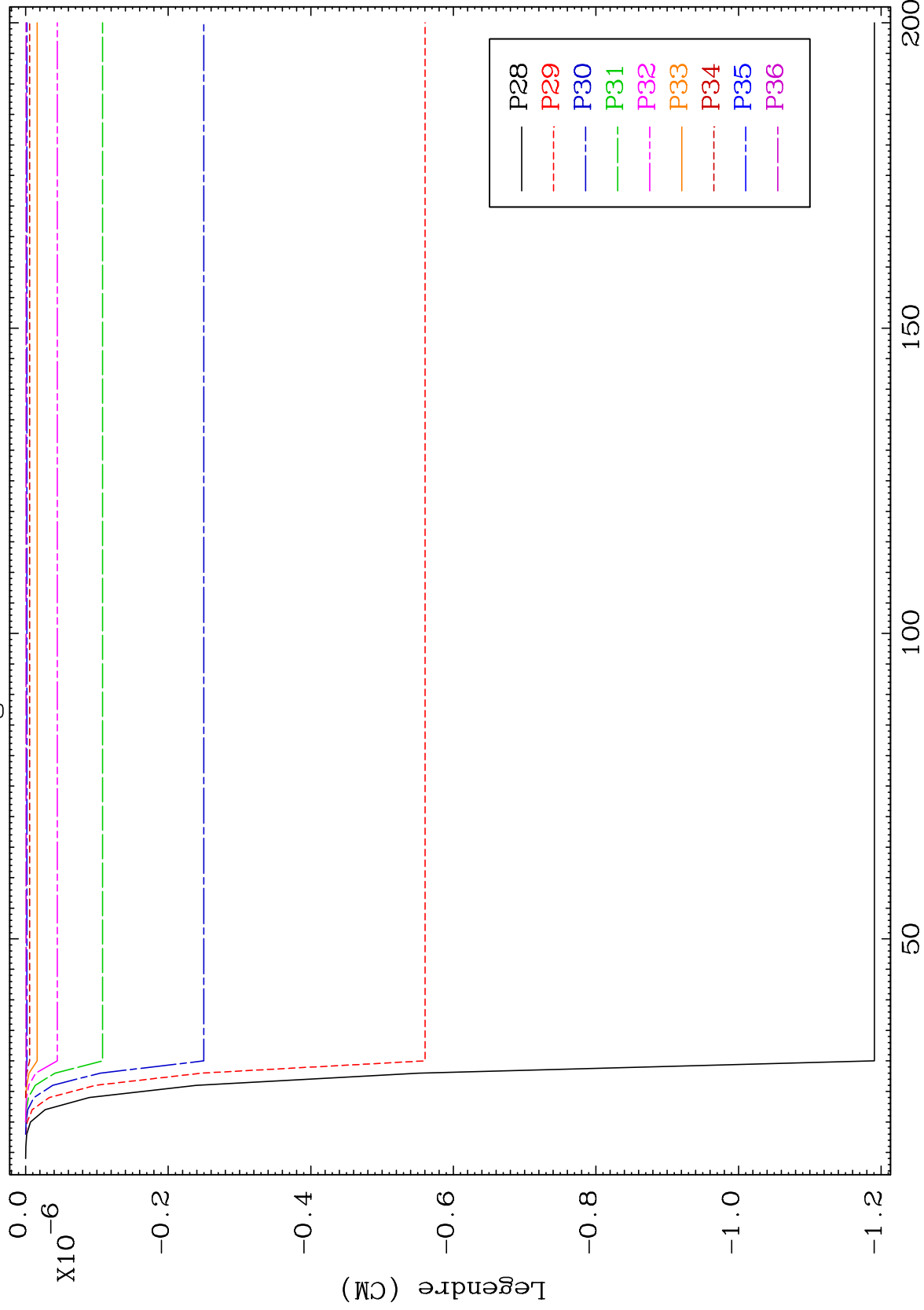
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



99

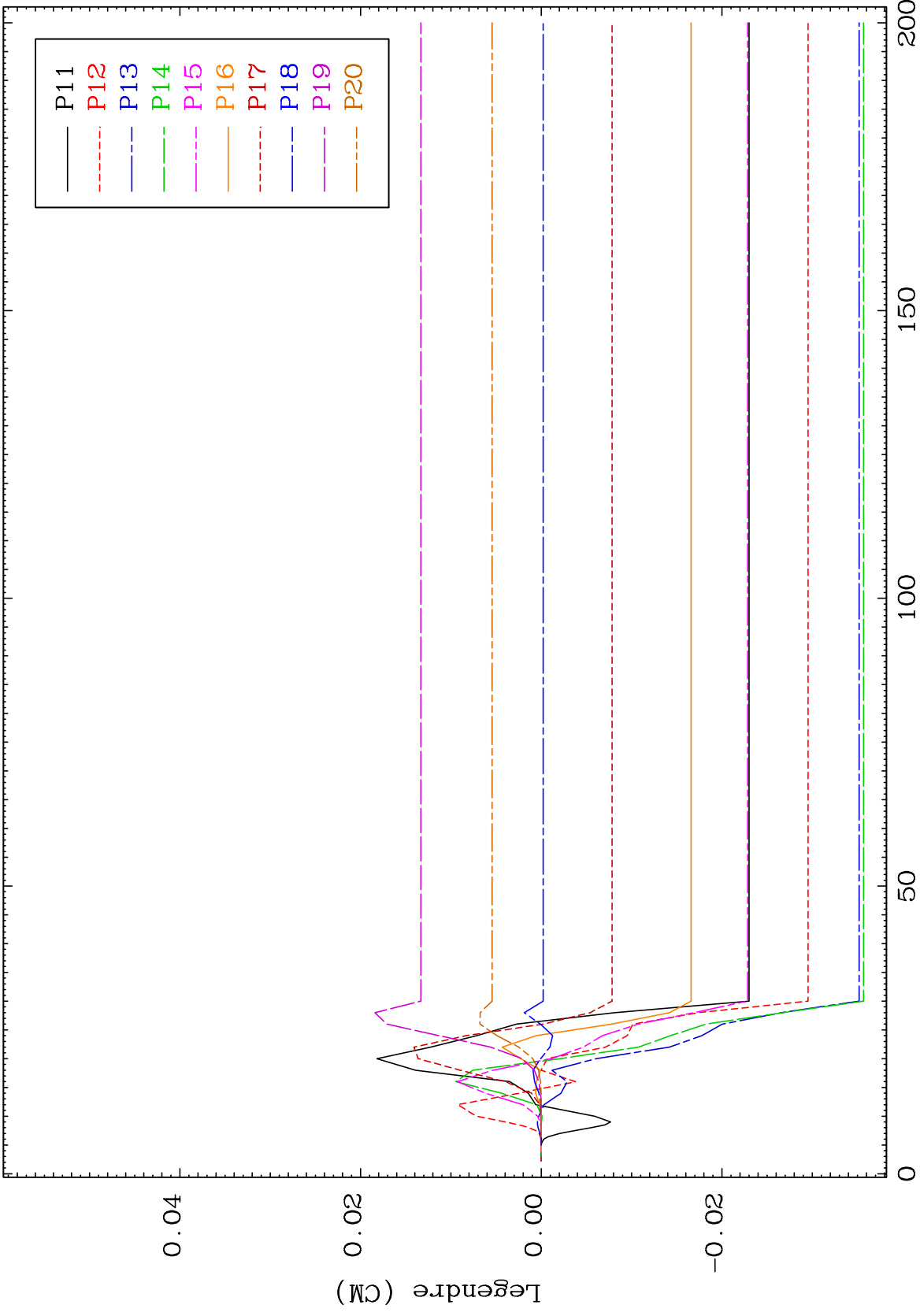
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



101

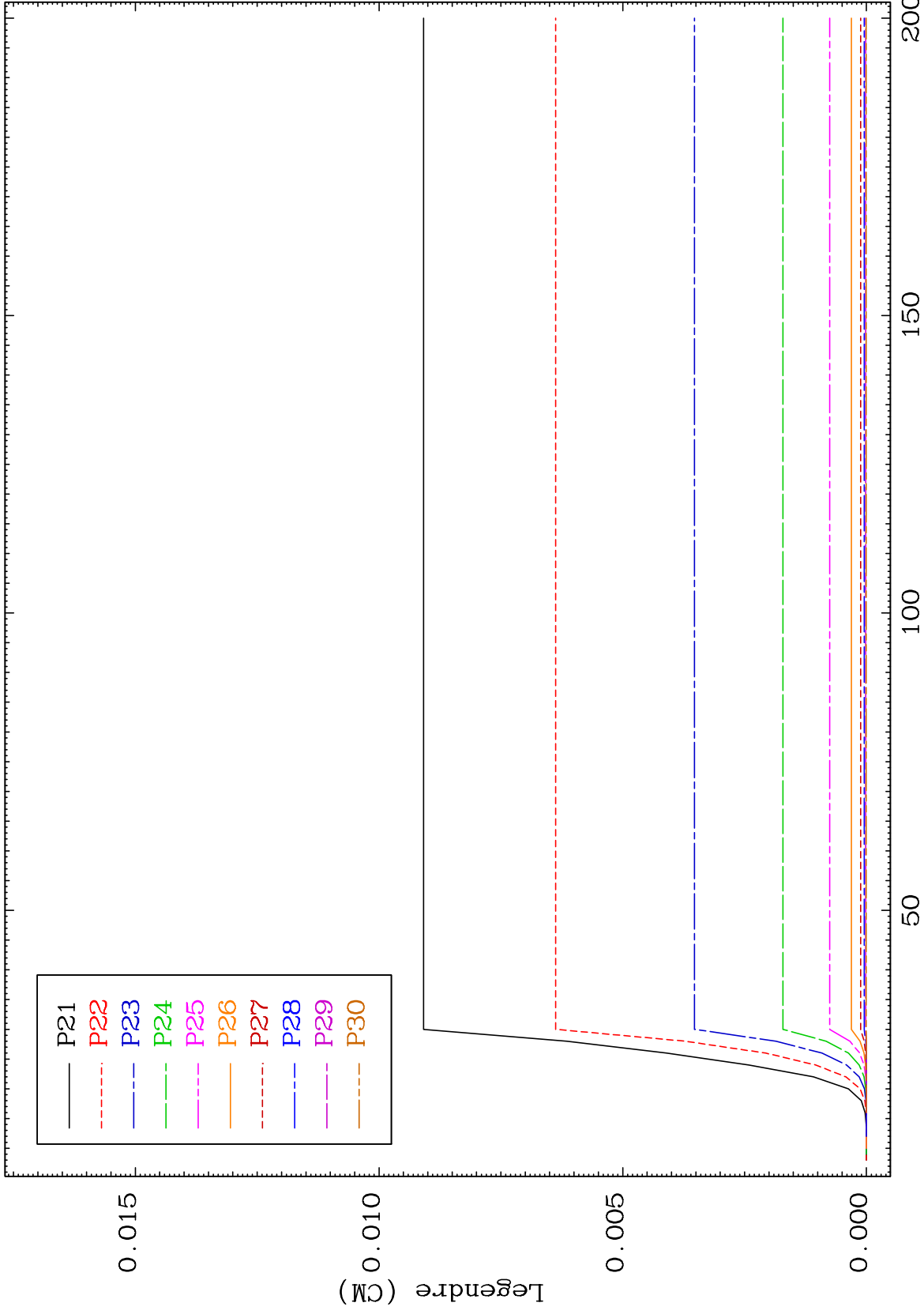
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



102

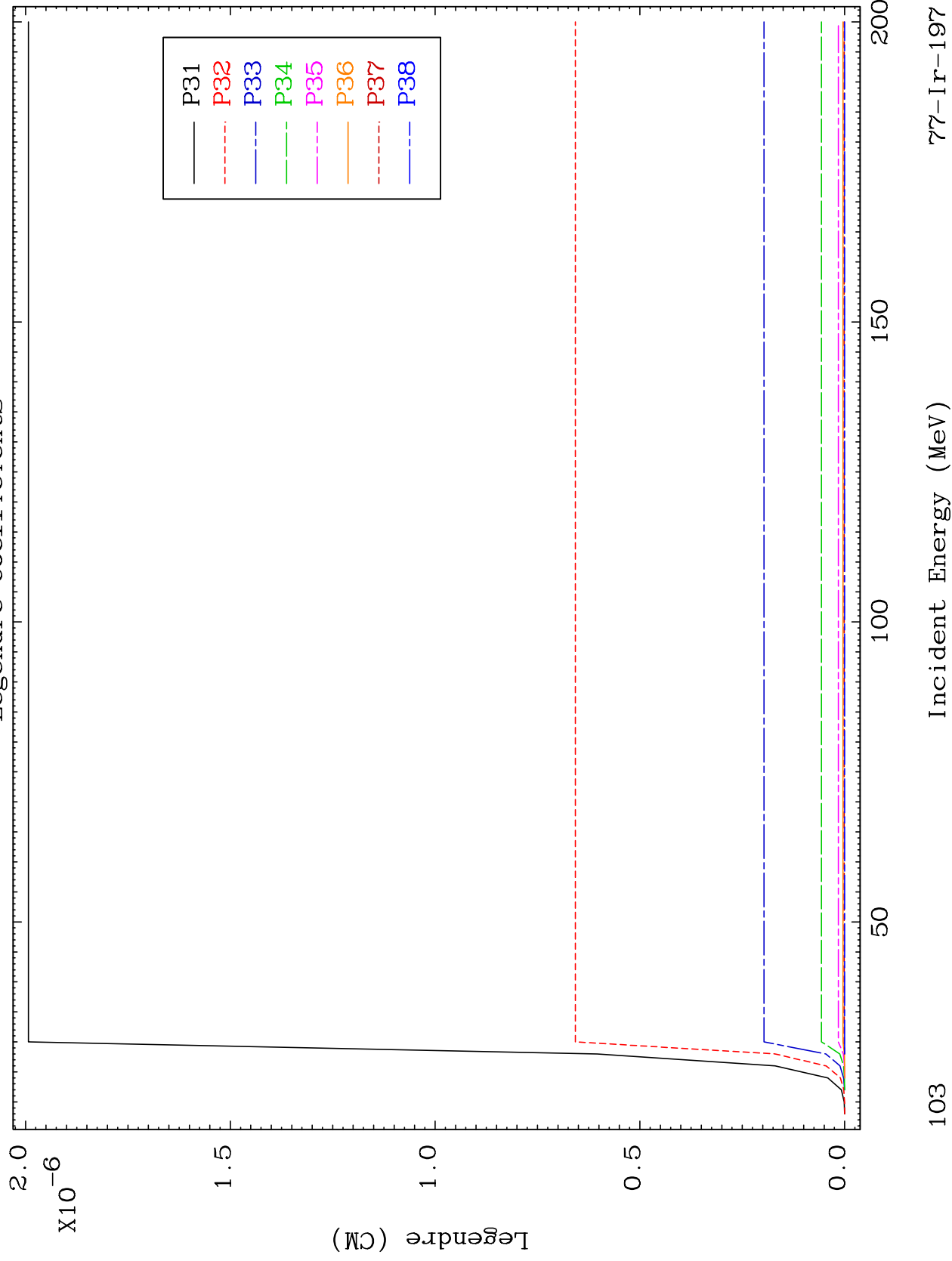
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



77-Ir-197

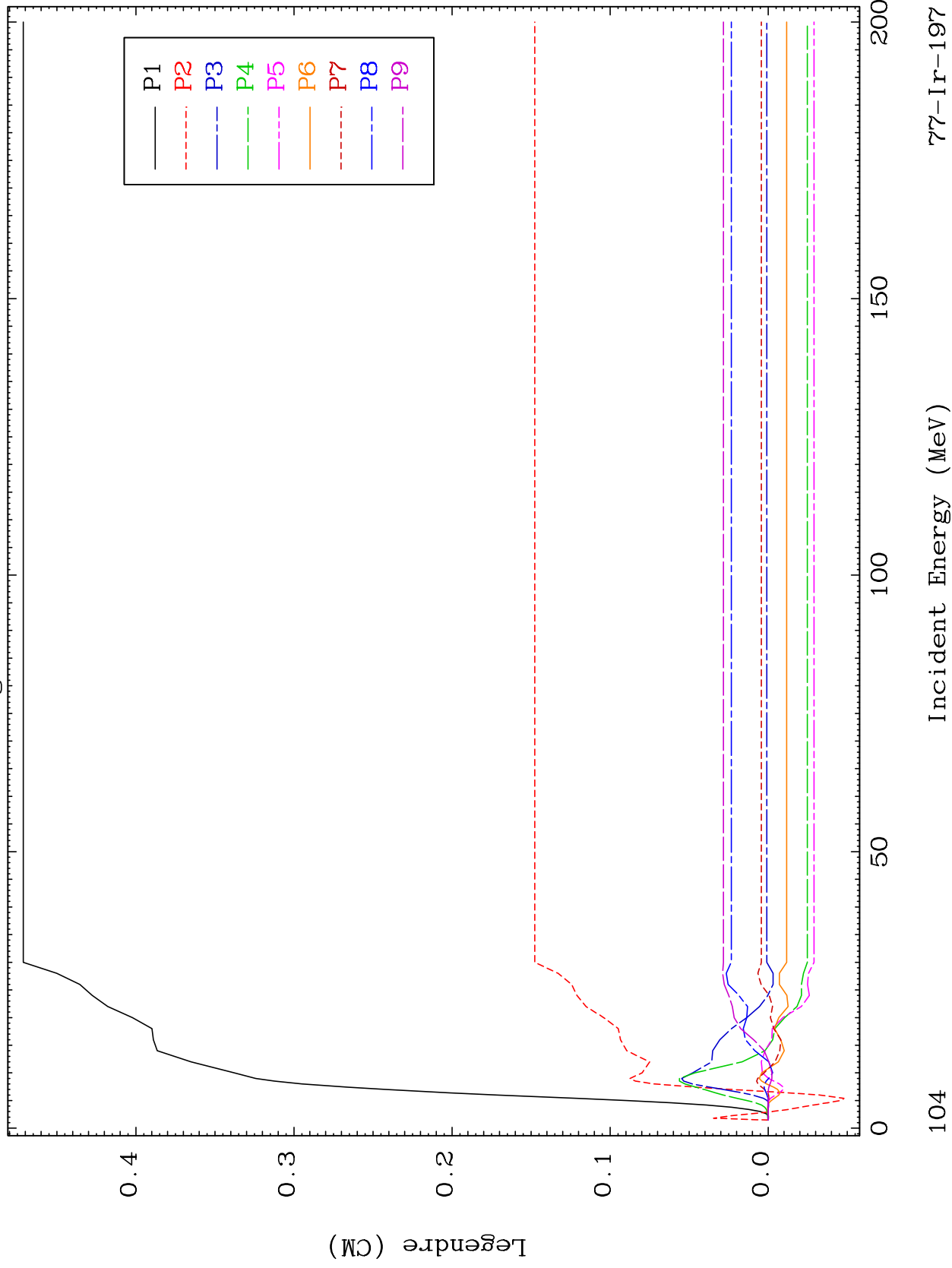
Incident Energy (MeV)

103

MAT 7743

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

77-Ir-197



77-Ir-197

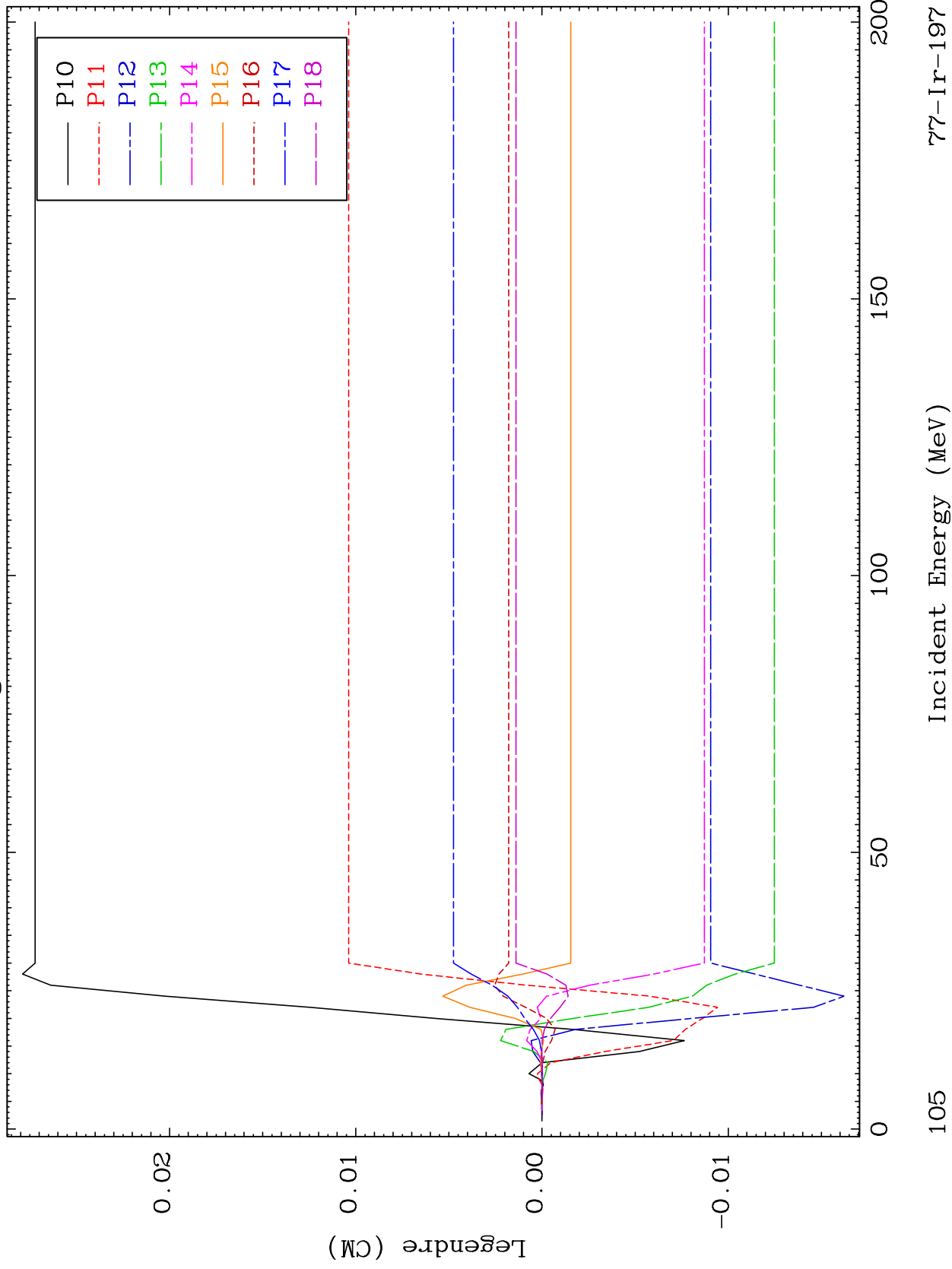
Incident Energy (MeV)

104

MAT 7743

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

77-Ir-197



77-Ir-197

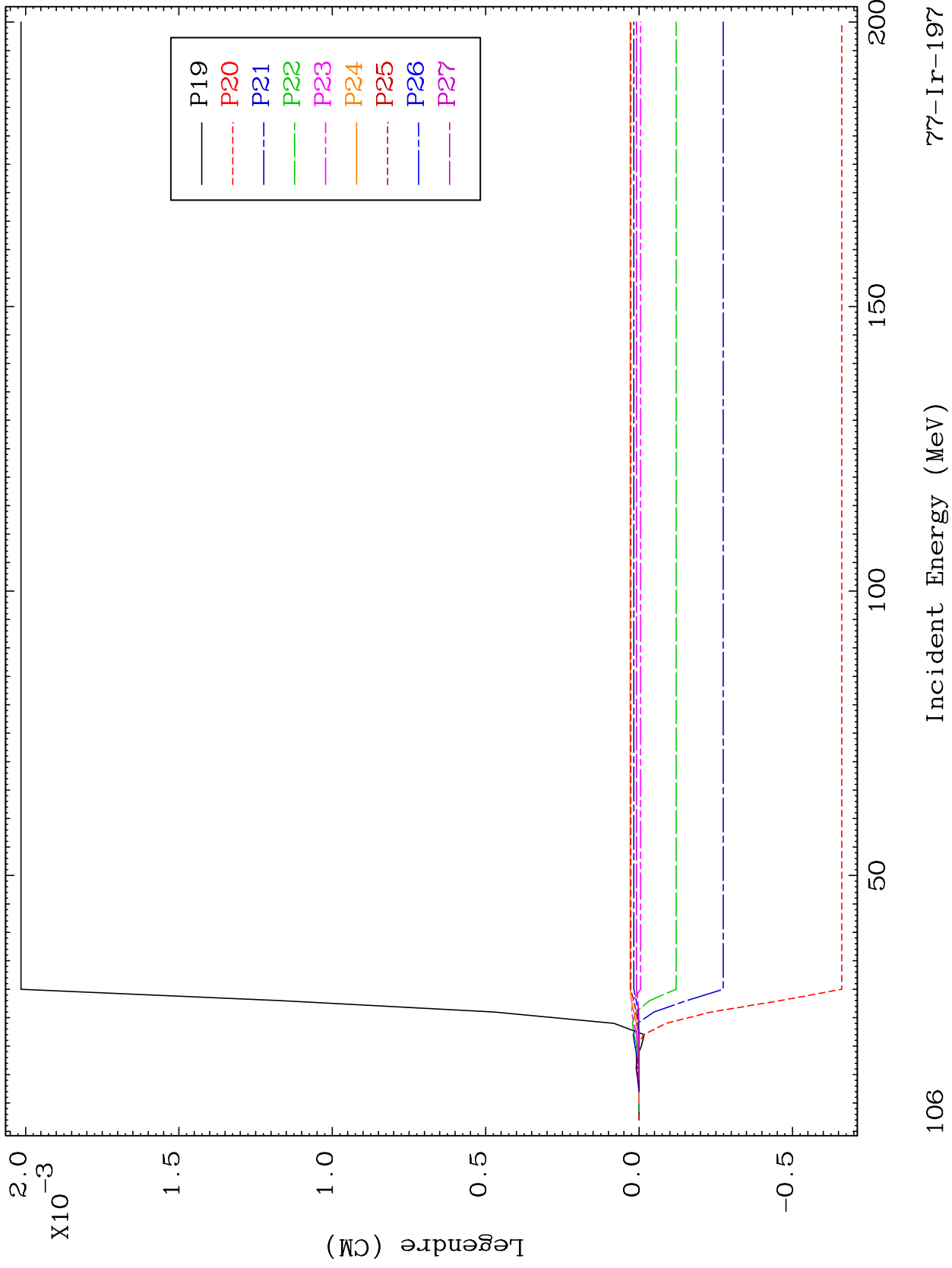
Incident Energy (MeV)

105

MAT 7743

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

77-Ir-197



106

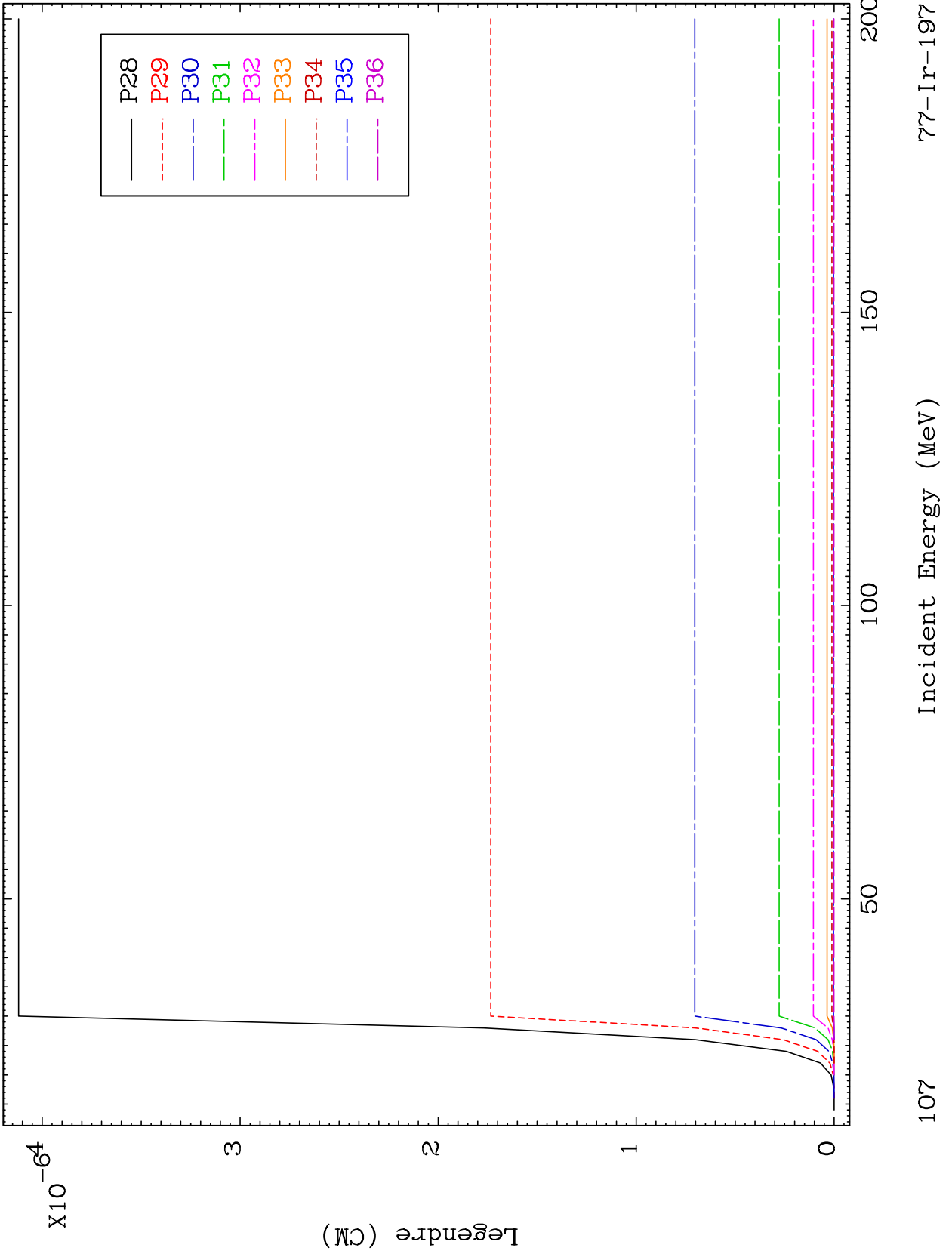
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



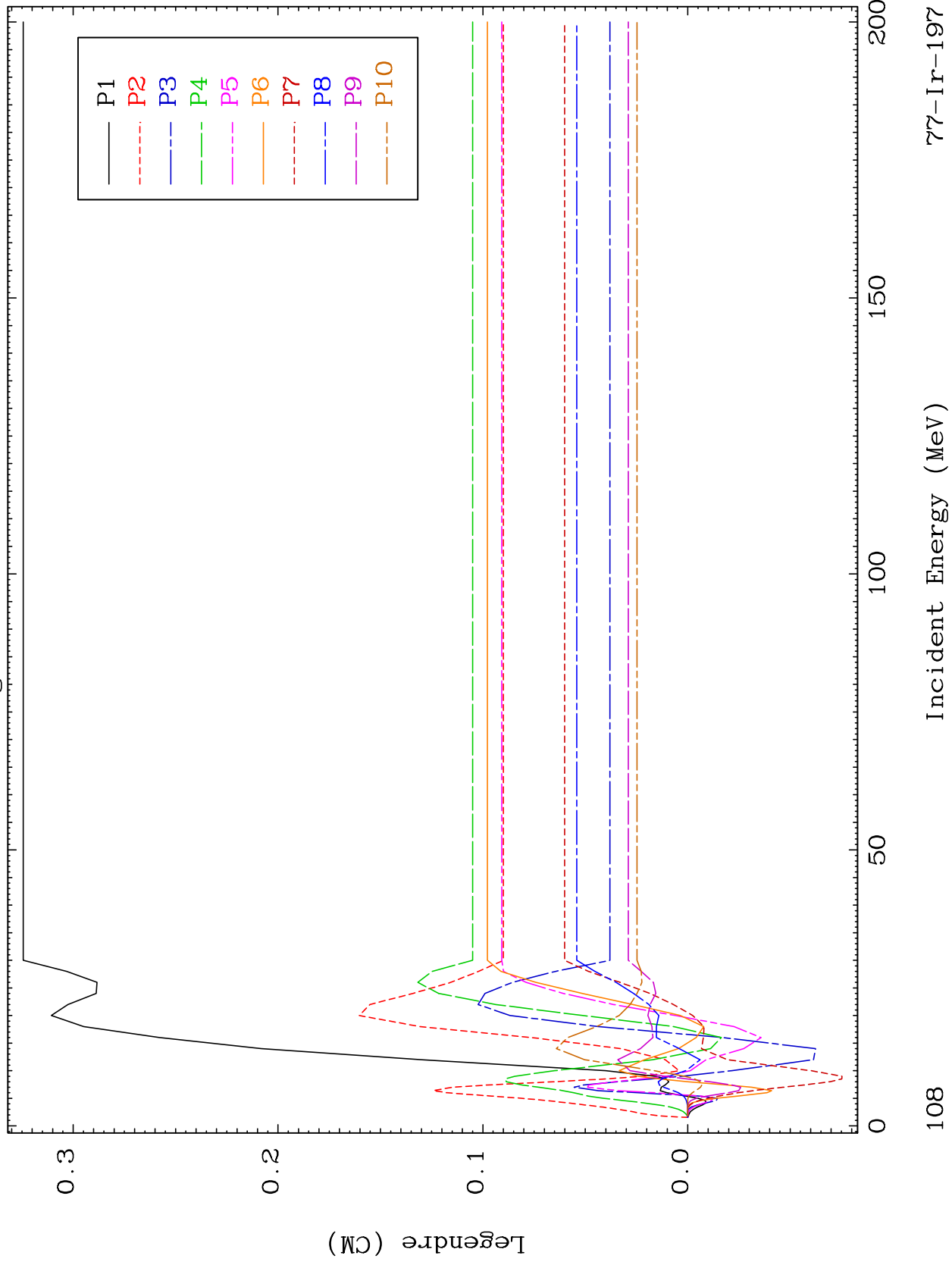
107

77-Ir-197

MAT 7743

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

77-Ir-197



77-Ir-197

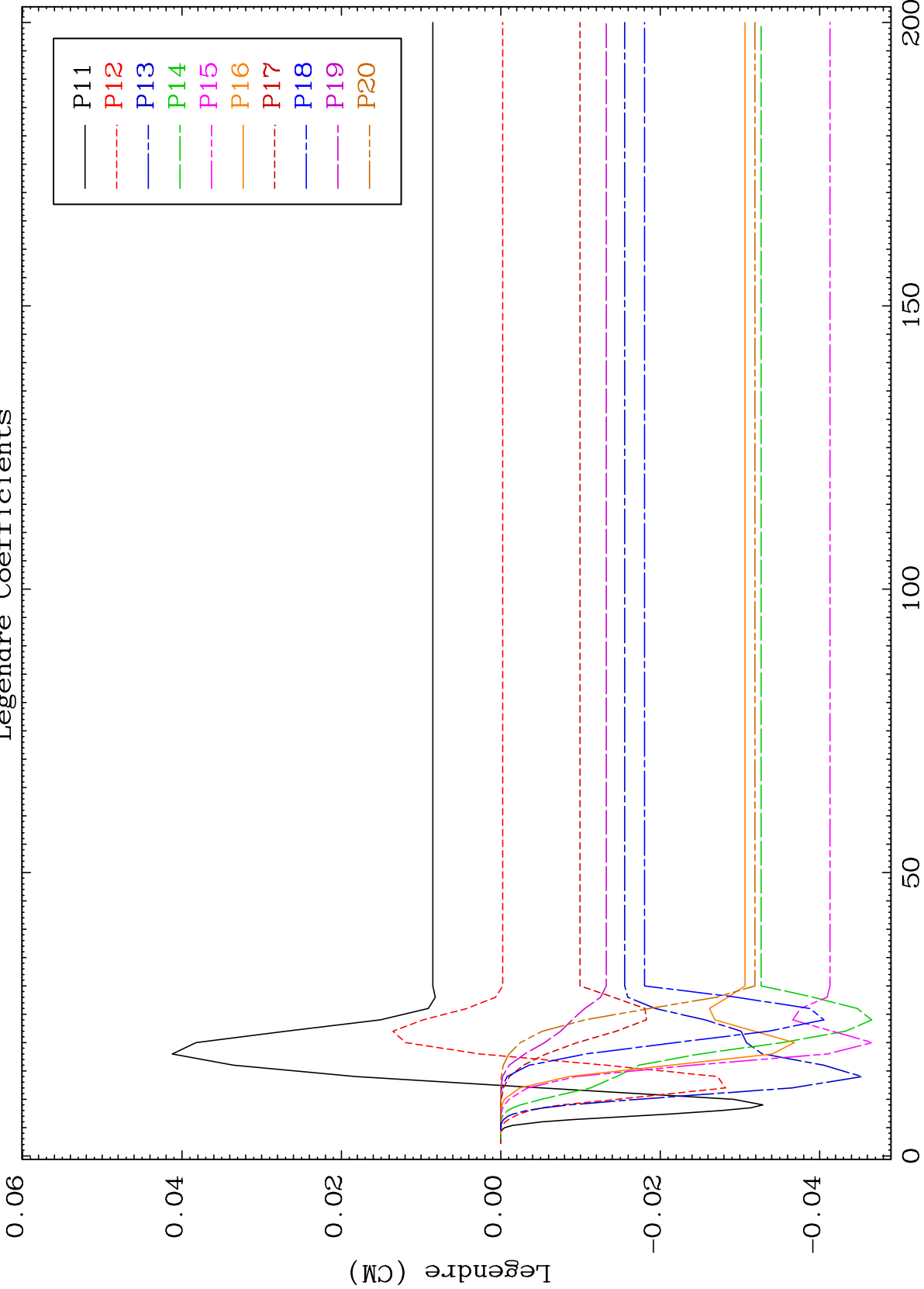
Incident Energy (MeV)

108

MAT 7743

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

77-Ir-197



77-Ir-197

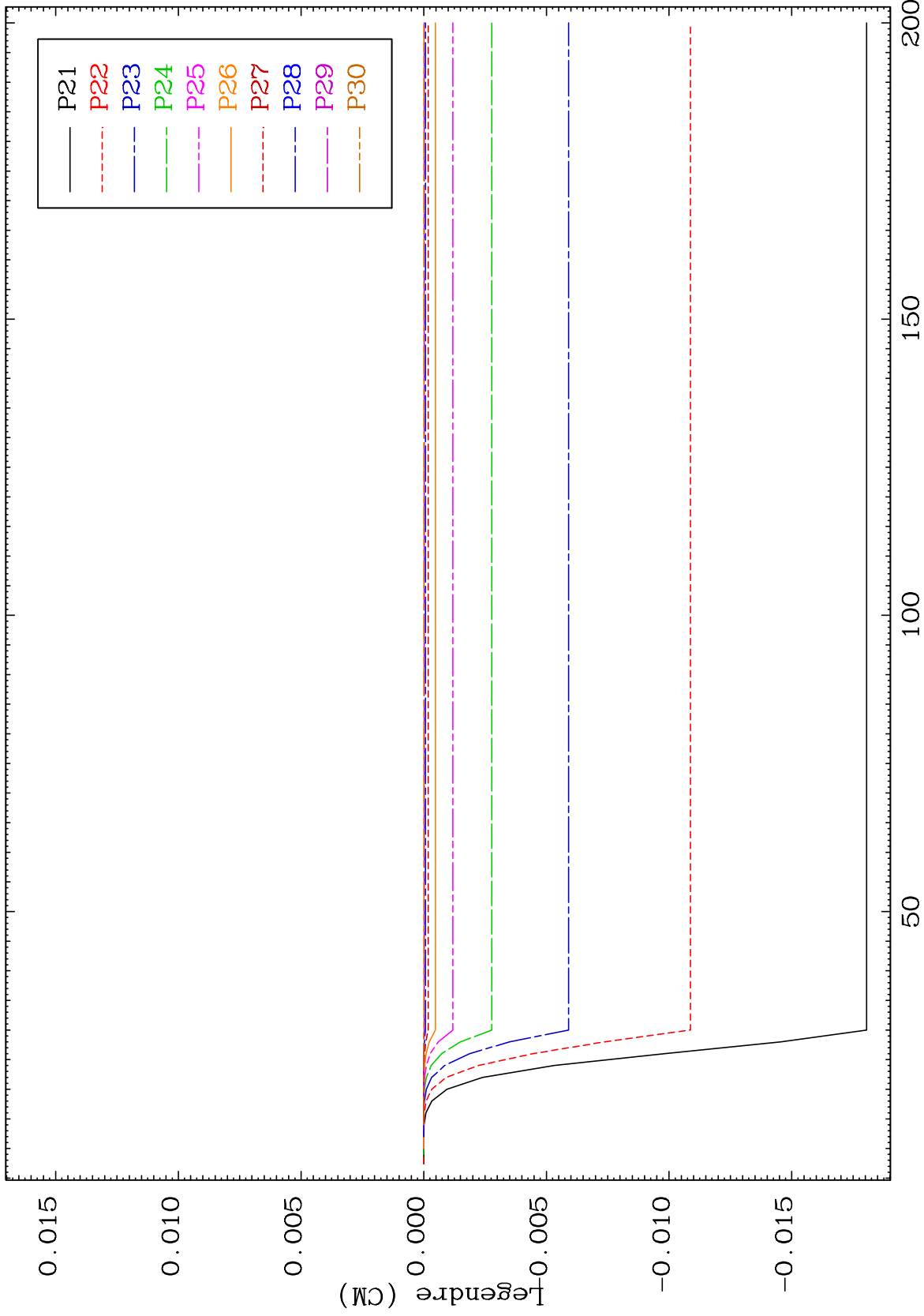
Incident Energy (MeV)

109

MAT 7743

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

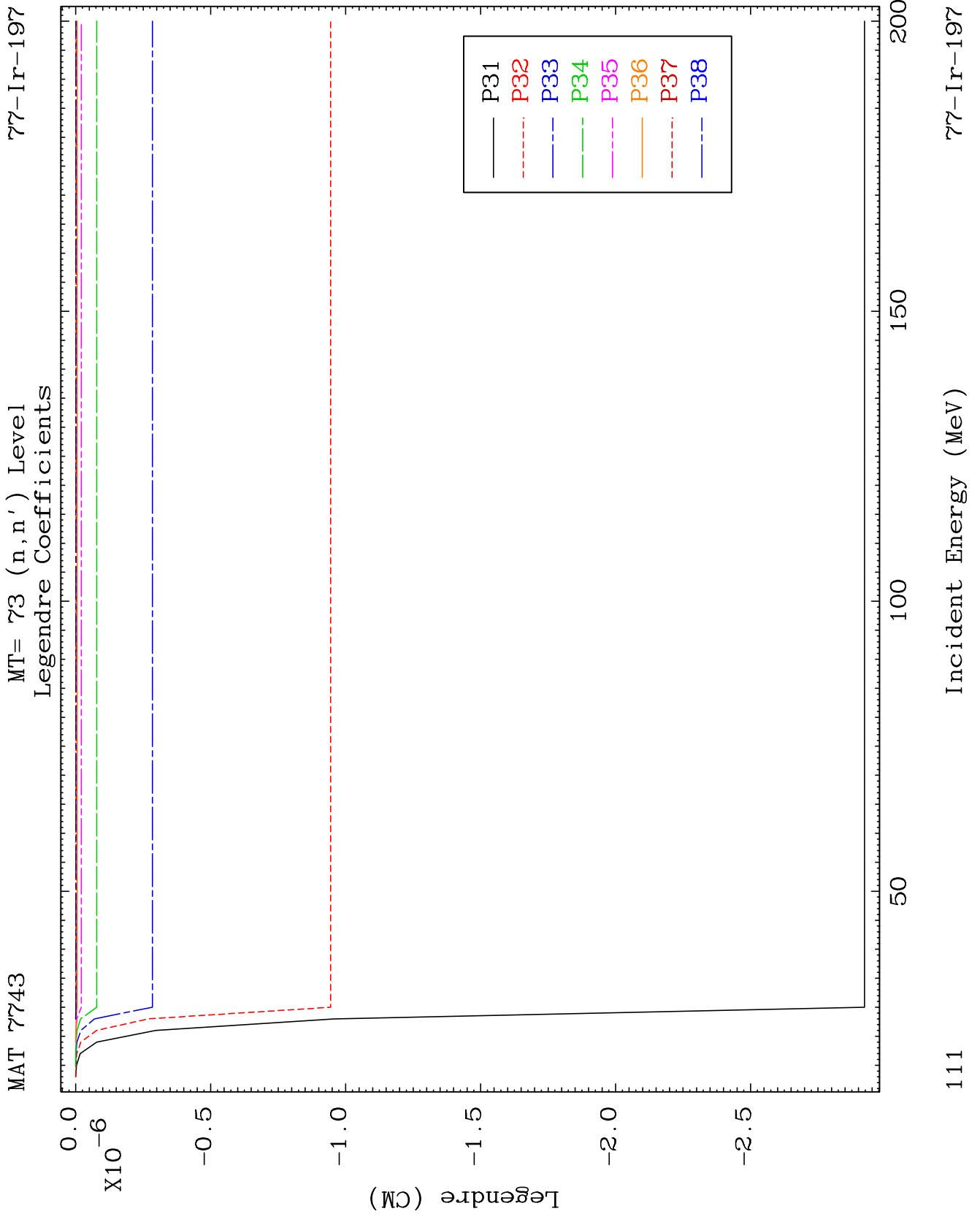
77-Ir-197



110

Incident Energy (MeV)

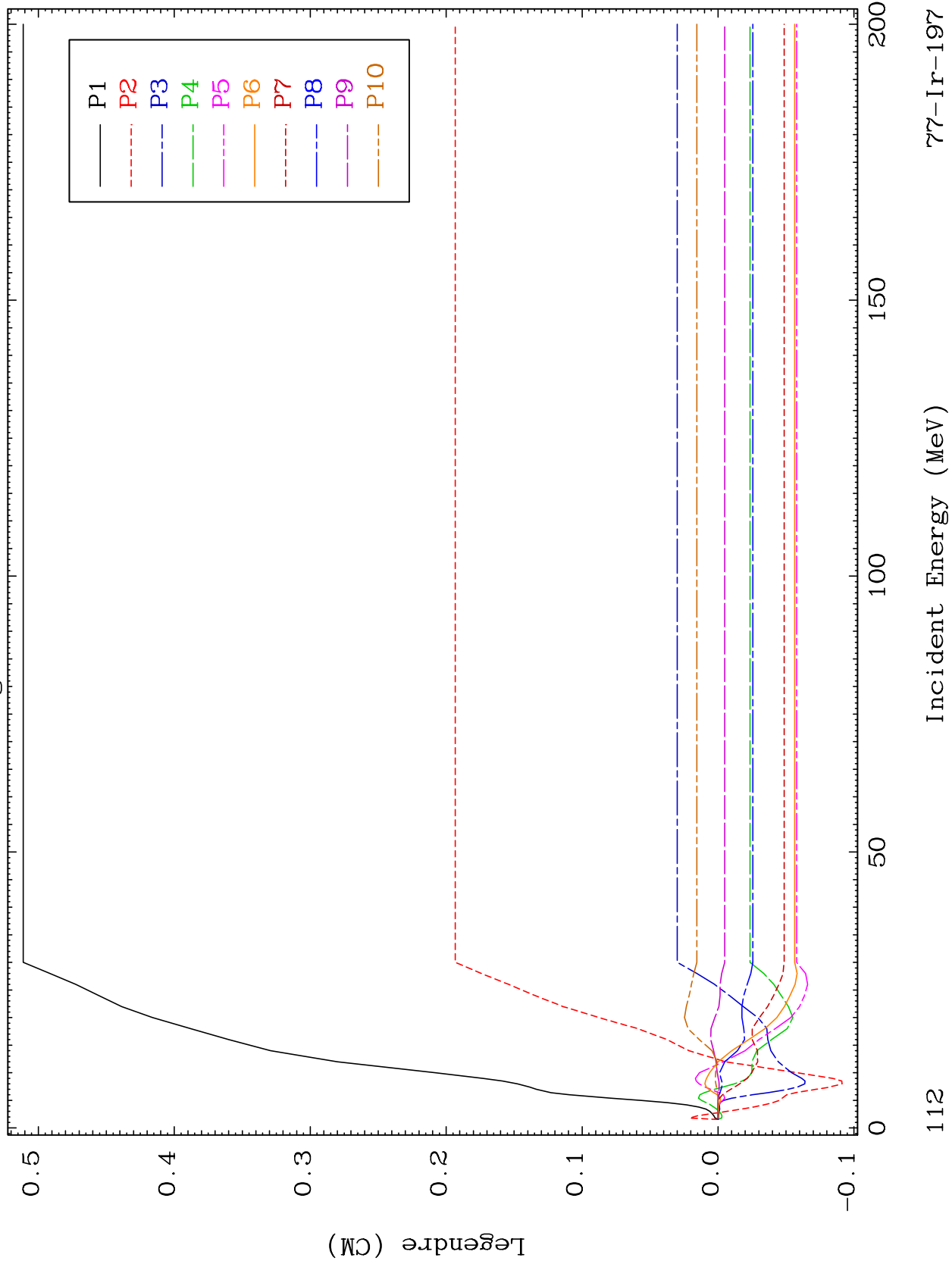
77-Ir-197



MAT 7743

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

77-Ir-197

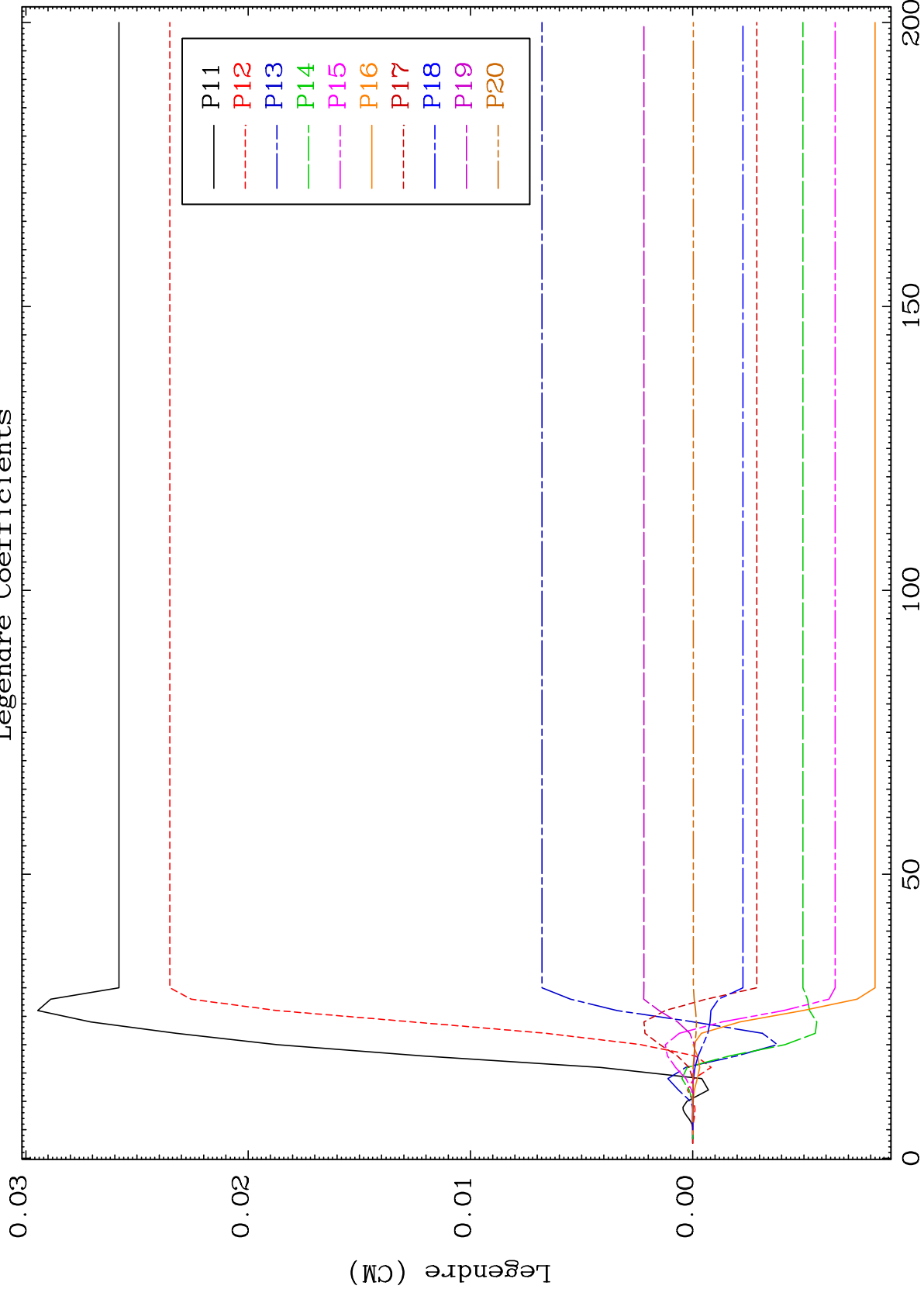


112

MAT 7743

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

77-Ir-197



113

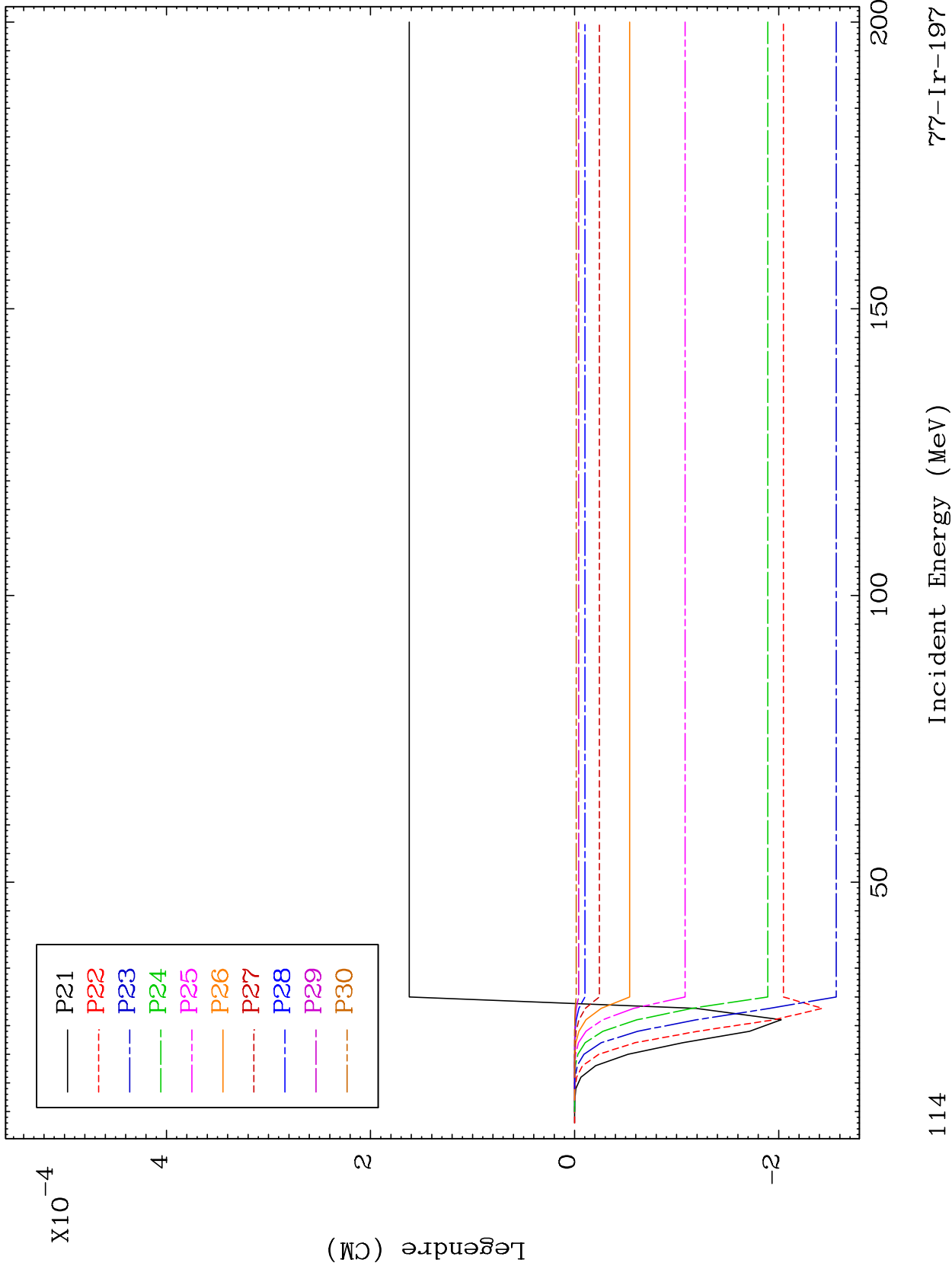
Incident Energy (MeV)

77-Ir-197

MAT 7743

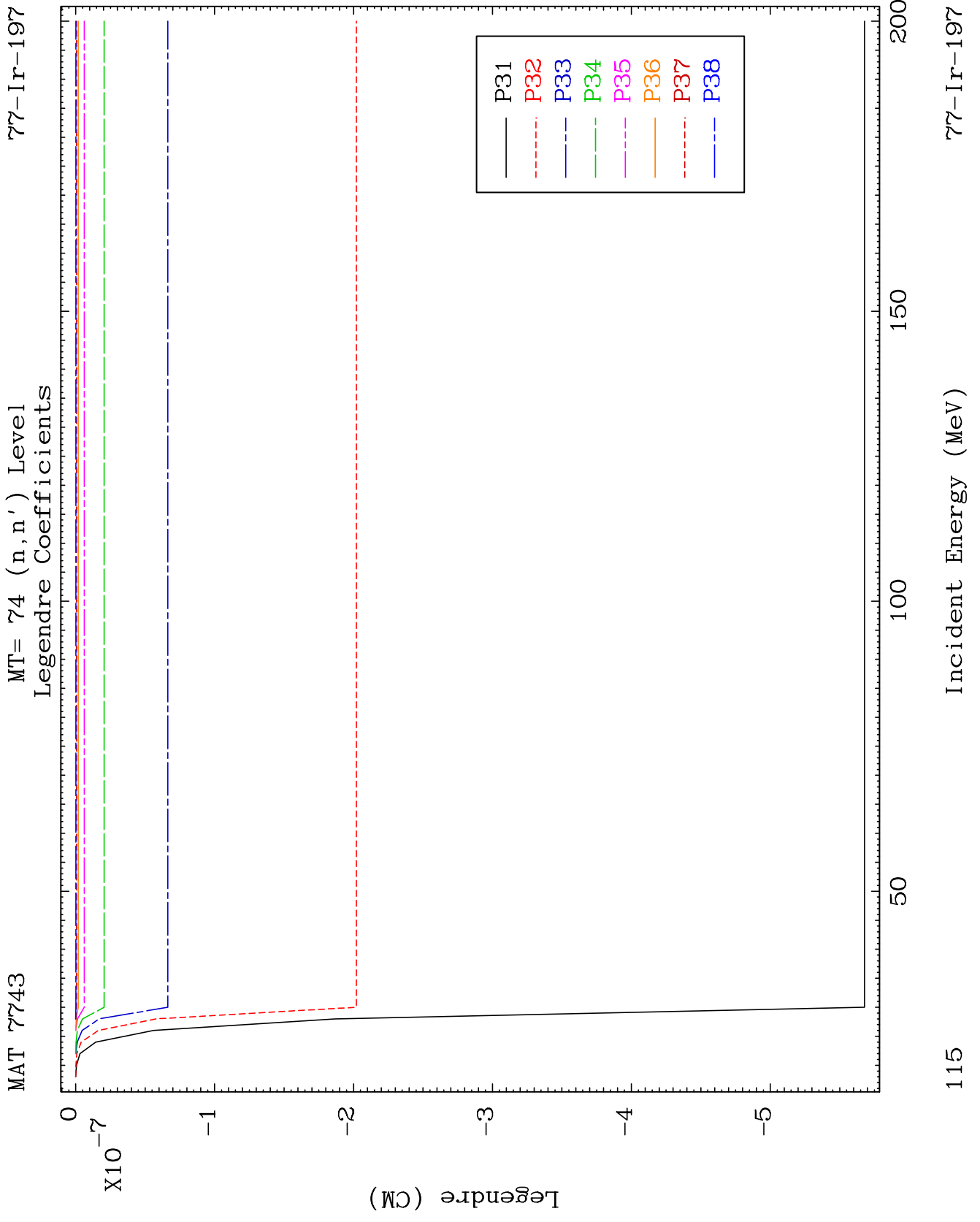
MT= 74 (n,n') Level
Legendre Coefficients

77-Ir-197



114

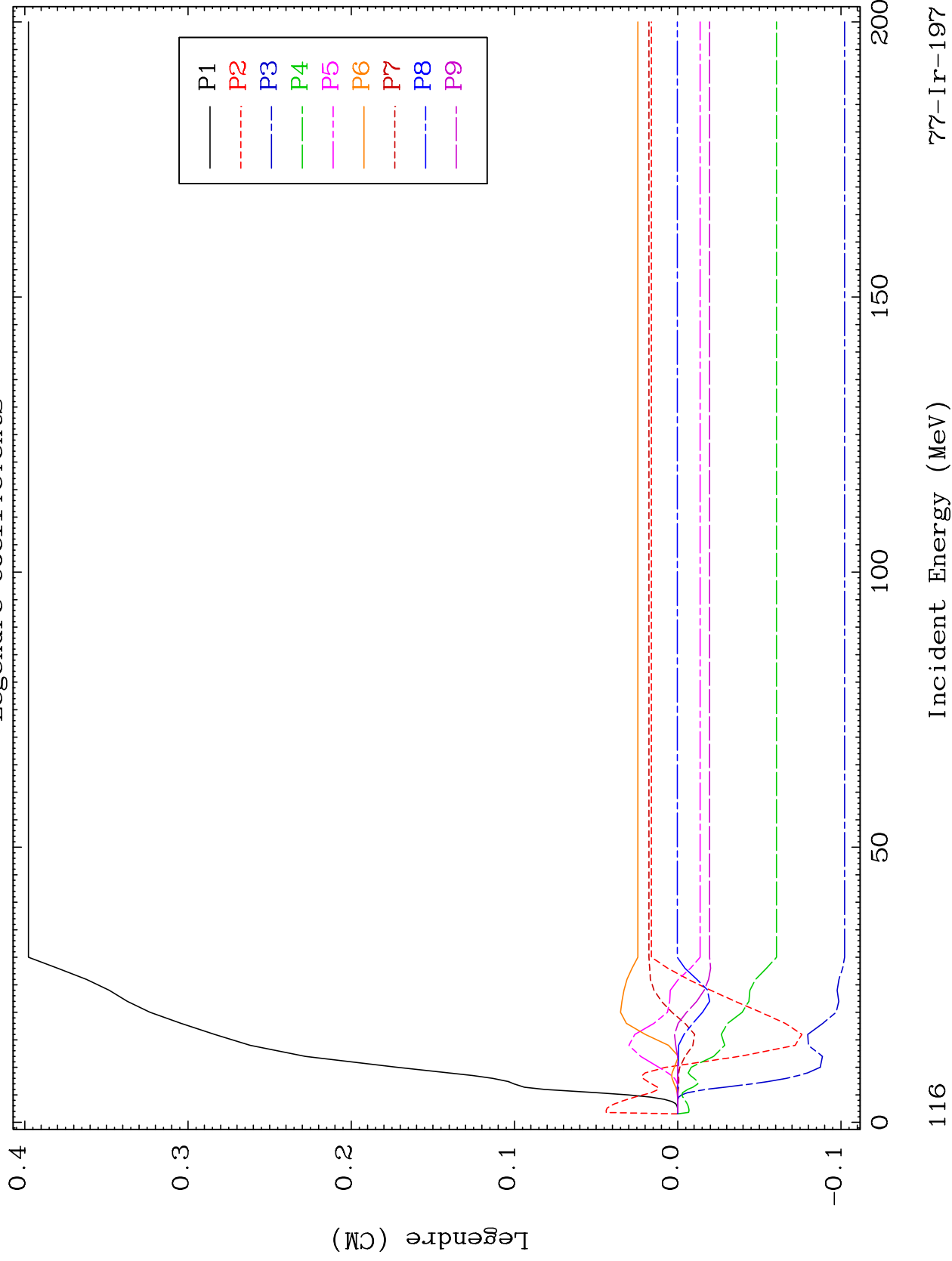
77-Ir-197



MAT 7743

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

77-Ir-197



77-Ir-197

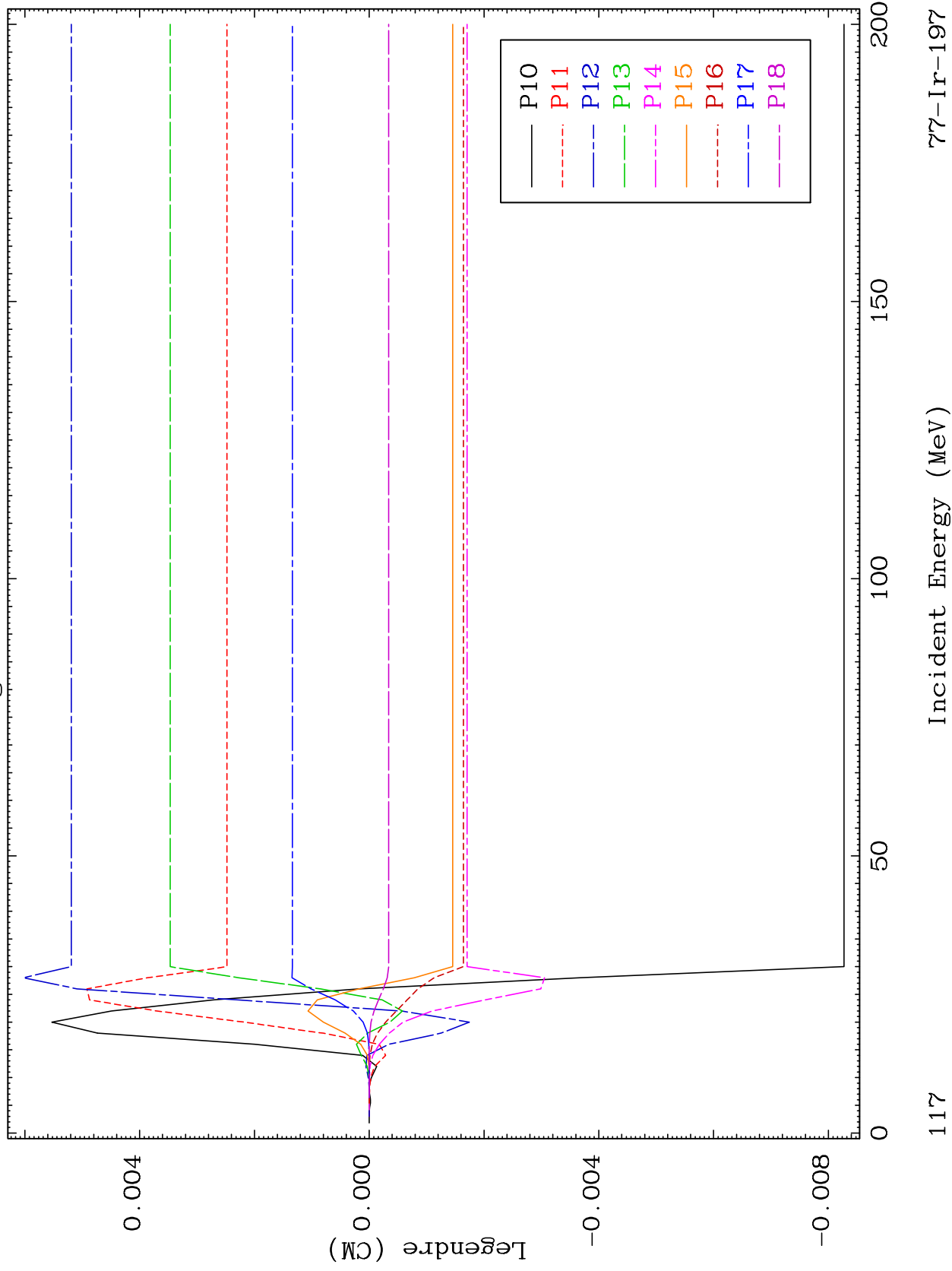
Incident Energy (MeV)

116

MAT 7743

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

77-Ir-197



117

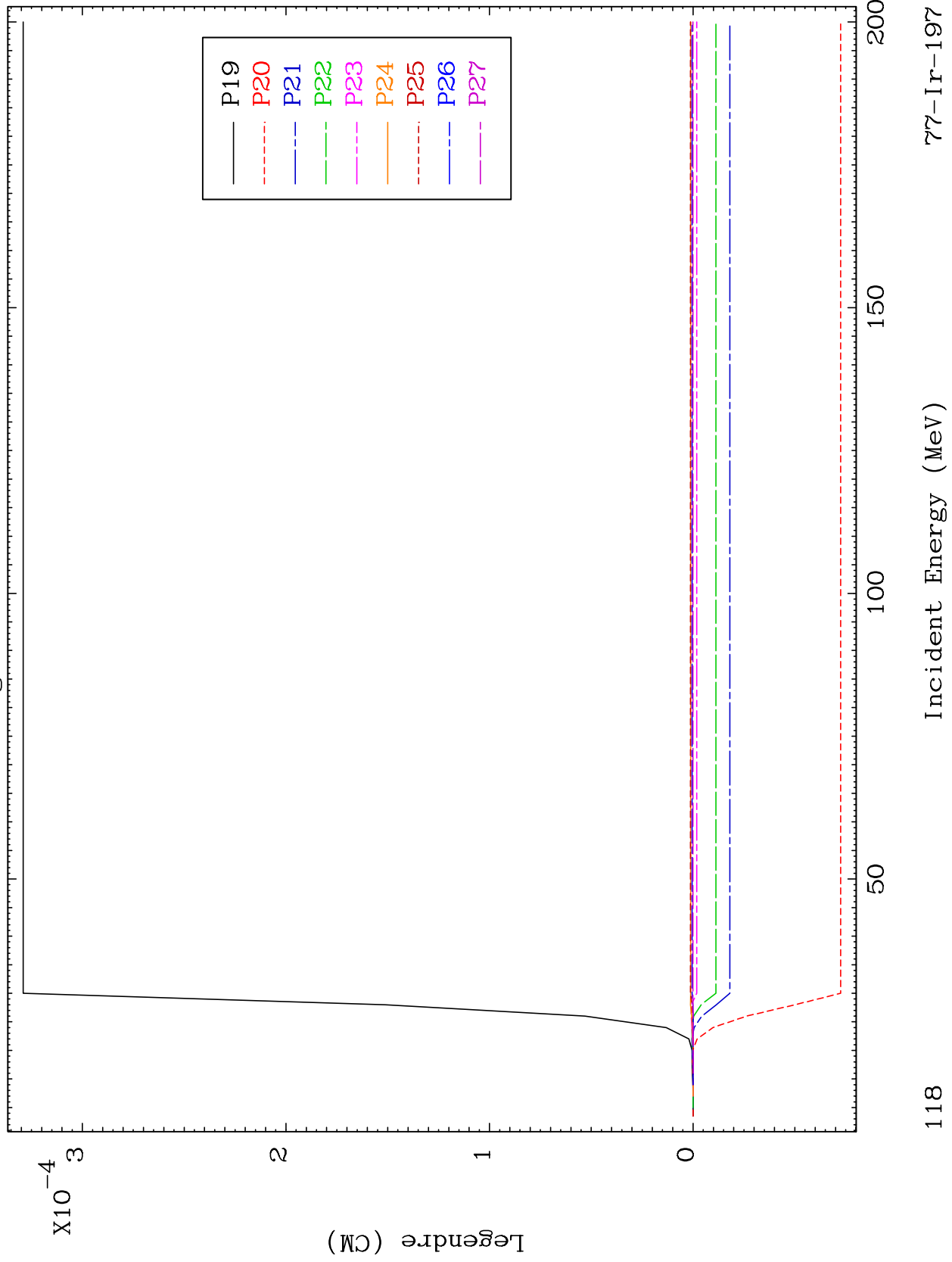
Incident Energy (MeV)

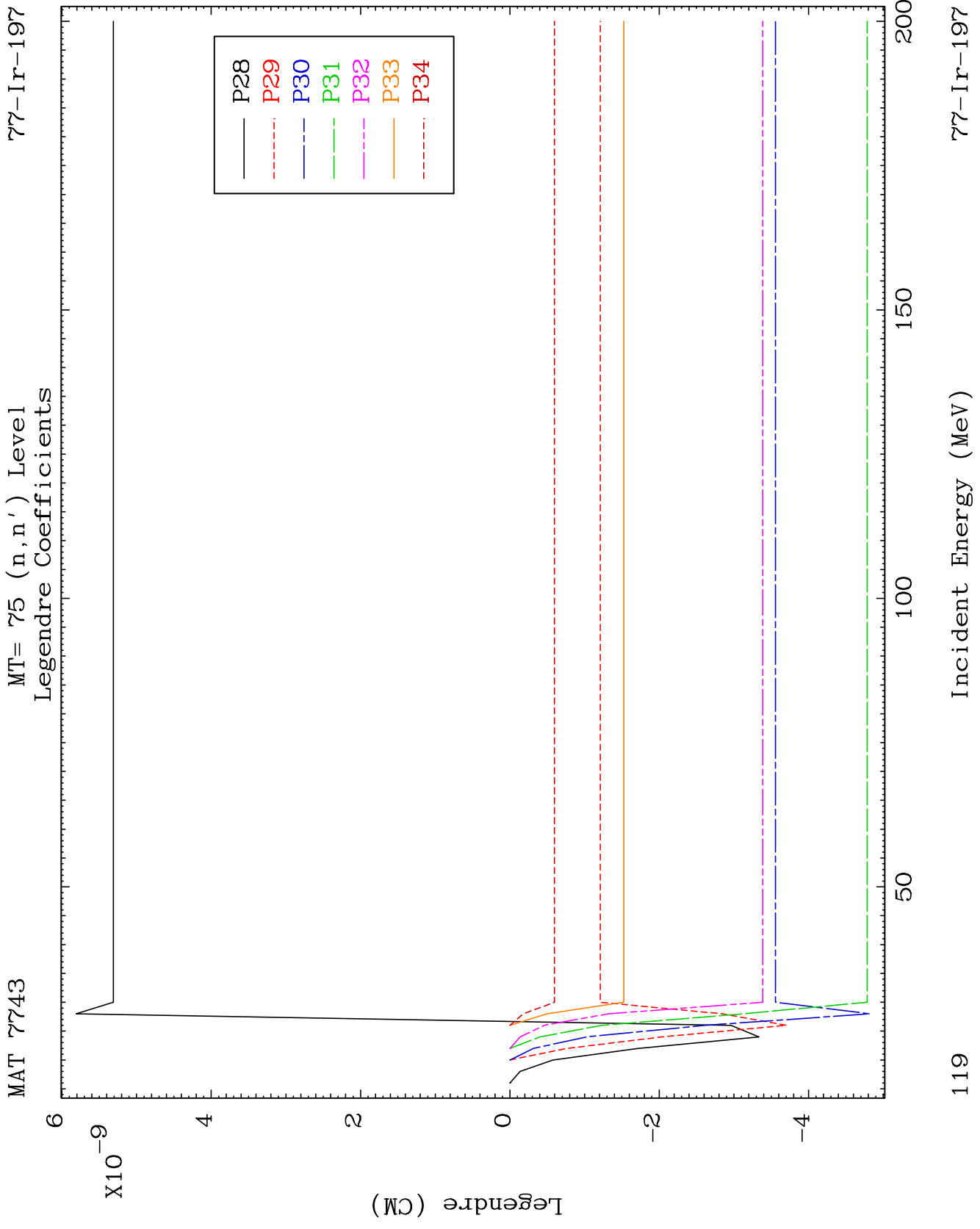
77-Ir-197

MAT 7743

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

77-Ir-197

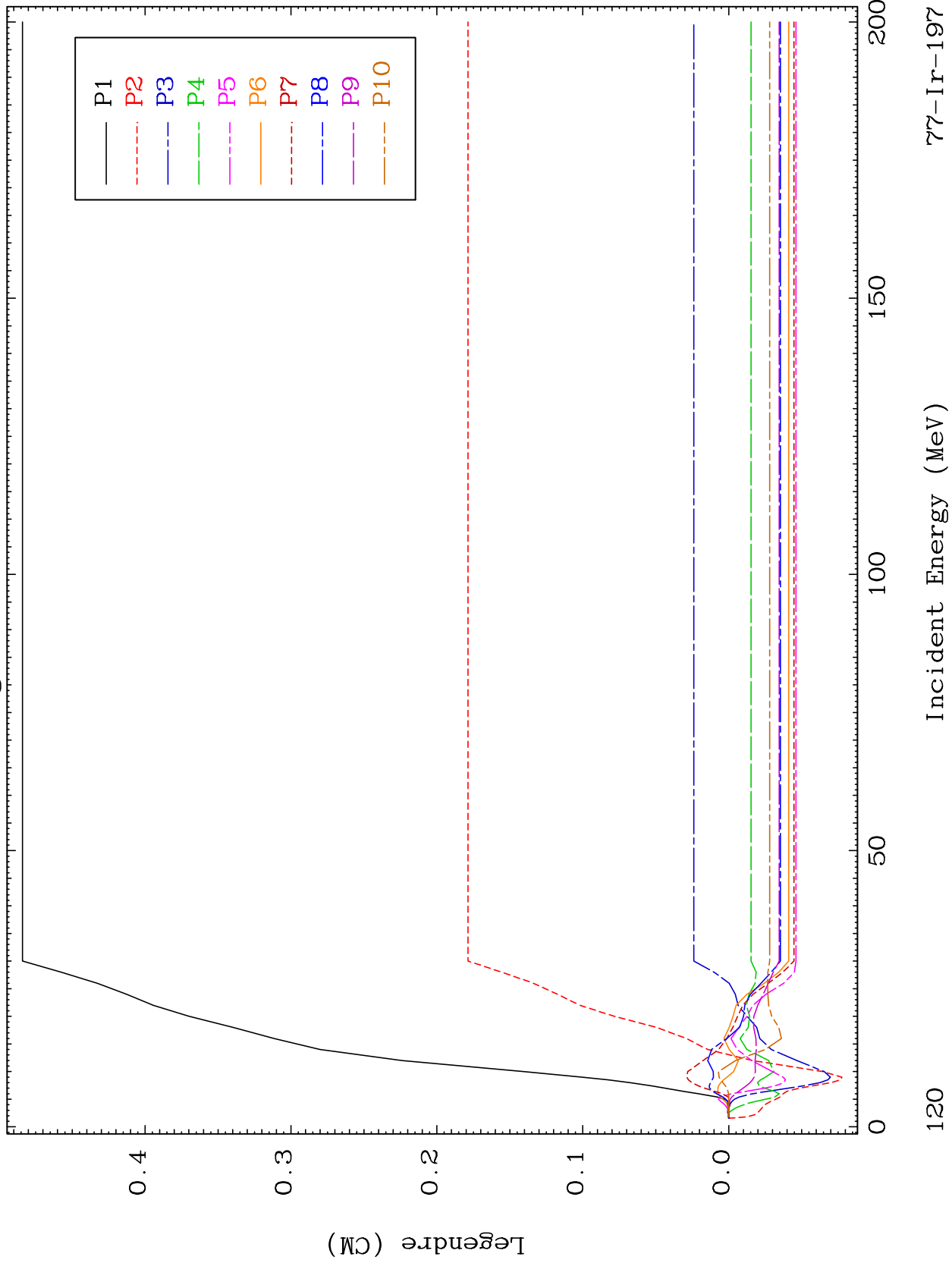




MAT 7743

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

77-Ir-197

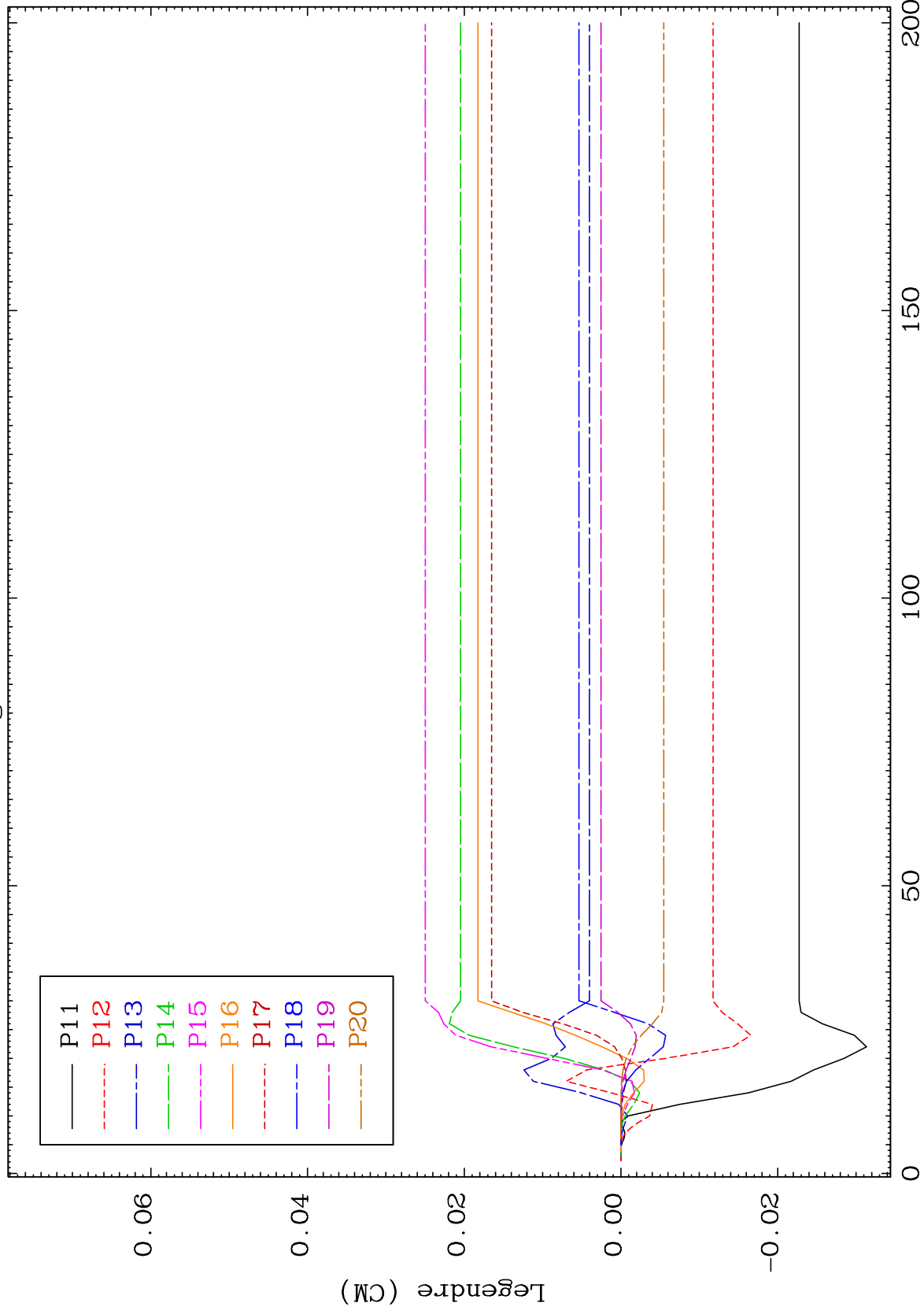


77-Ir-197

MAT 7743

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

77-Ir-197



121

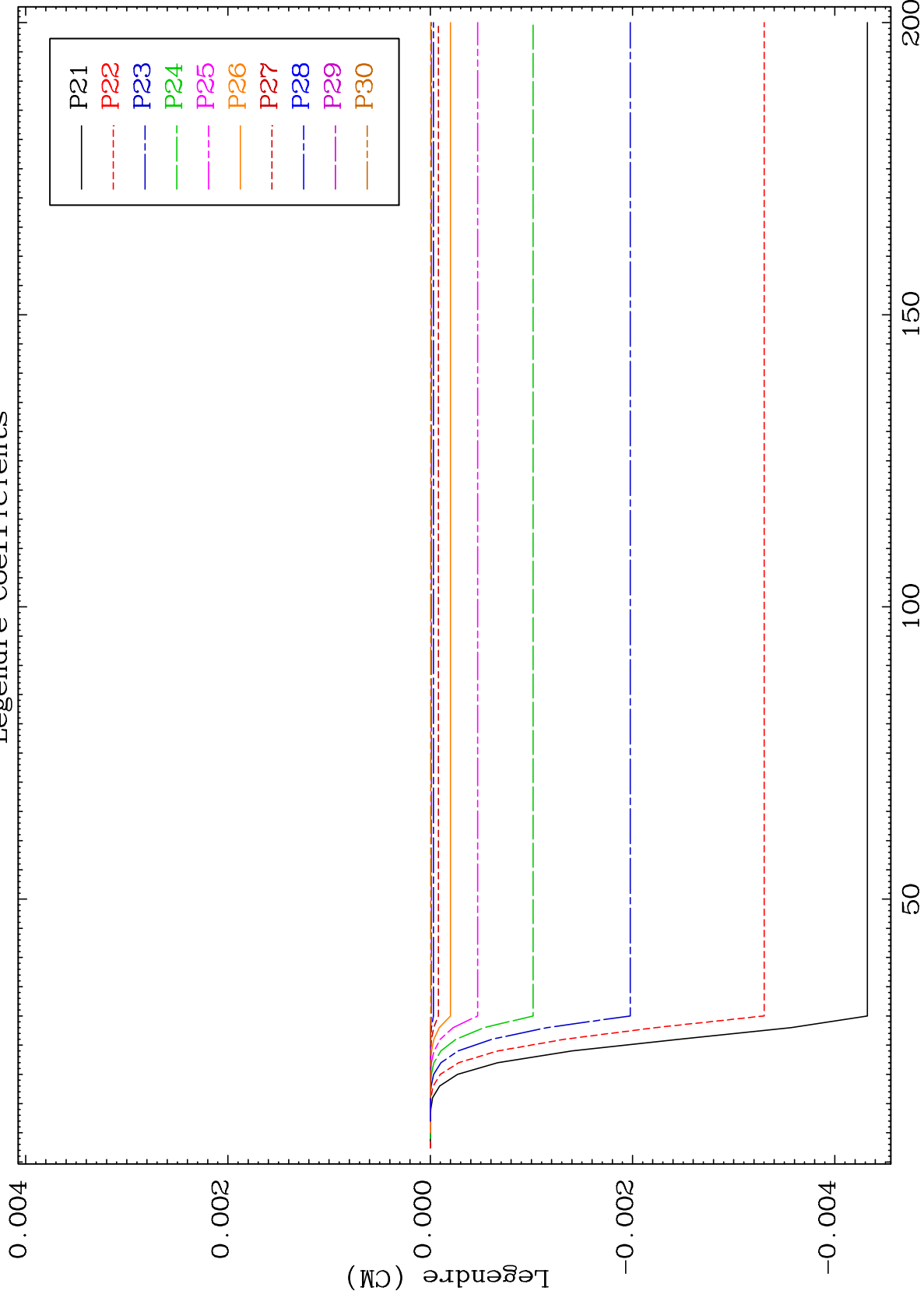
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

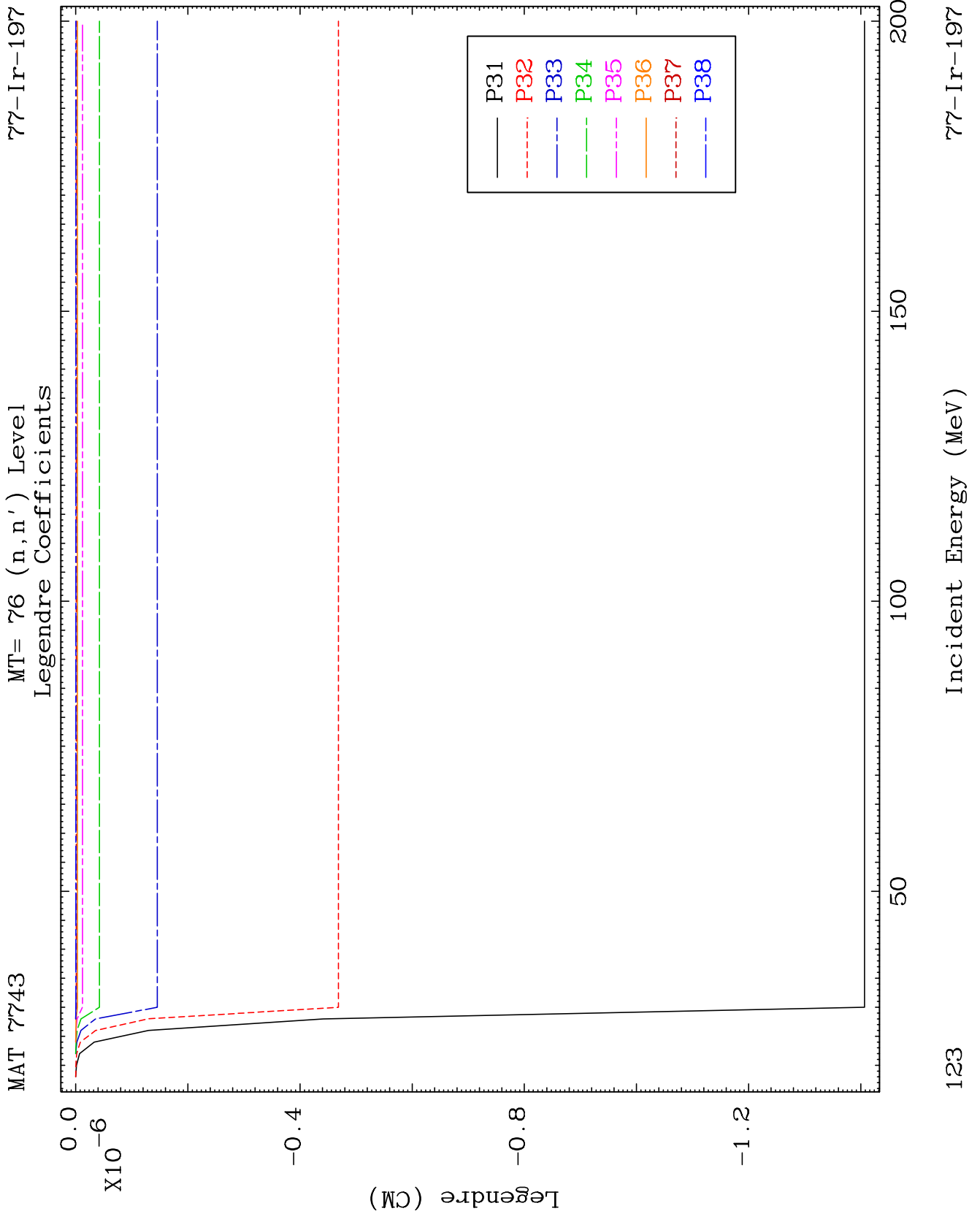
77-Ir-197



122

Incident Energy (MeV)

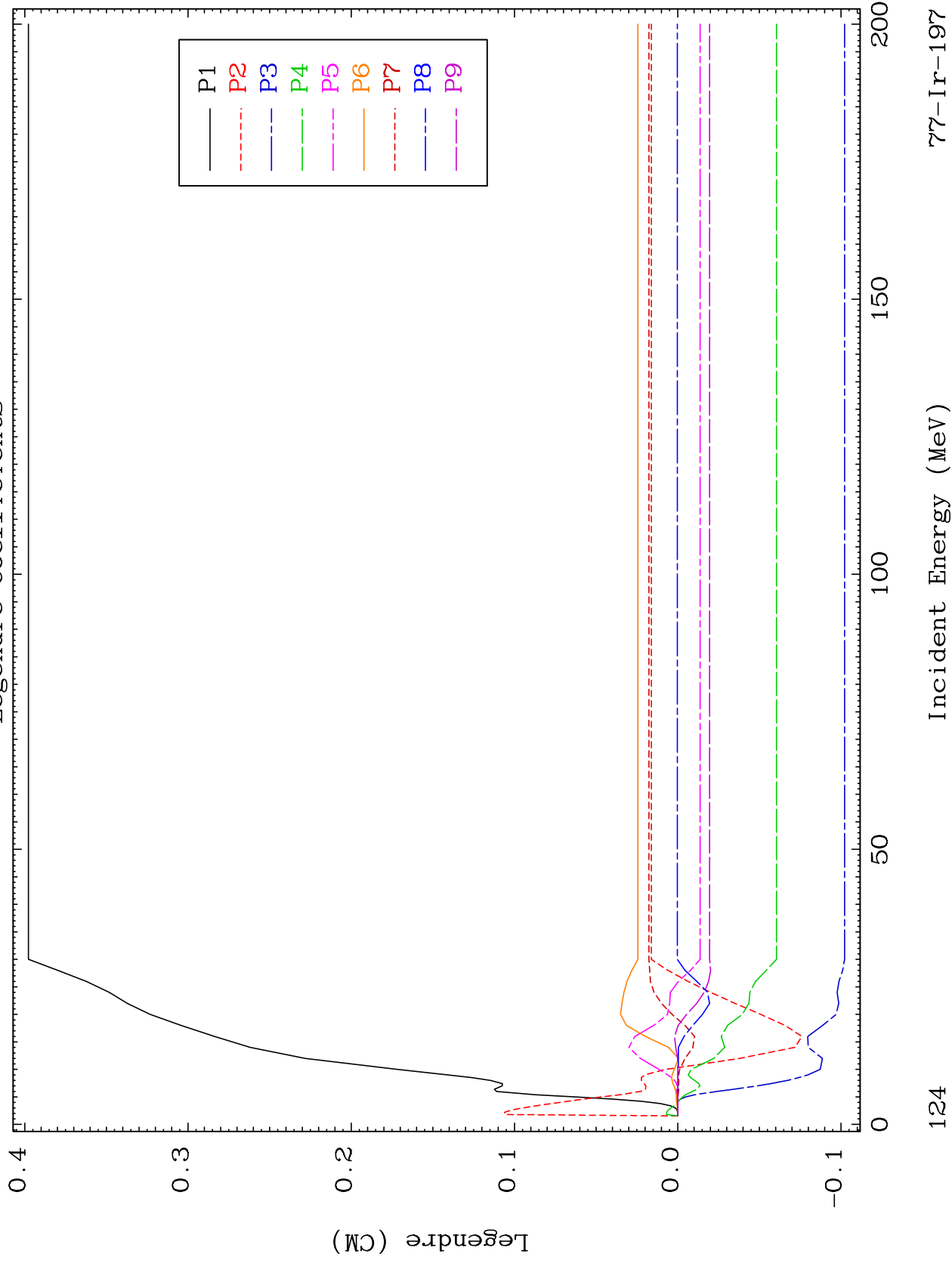
77-Ir-197



MAT 7743

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

77-Ir-197



77-Ir-197

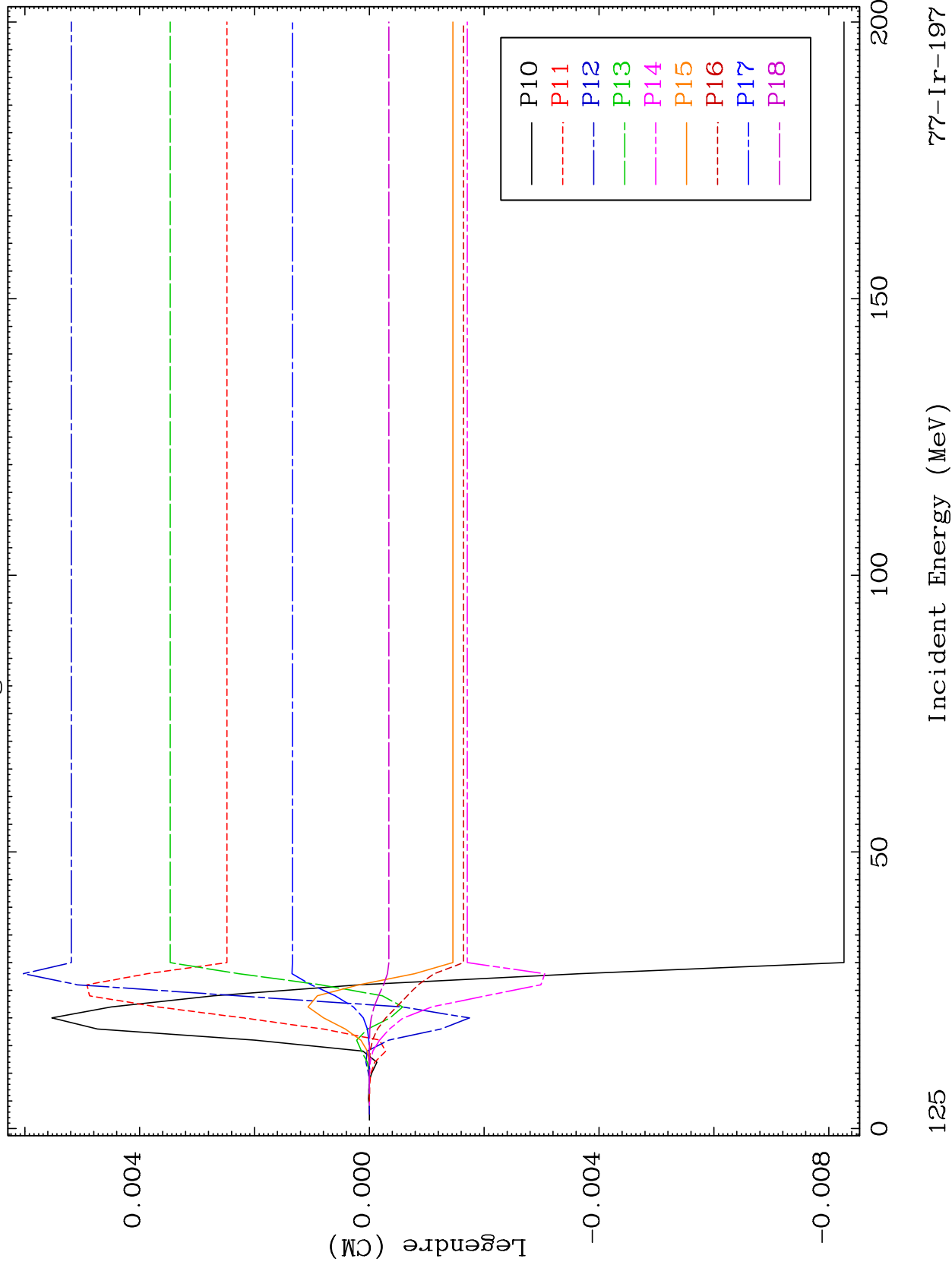
Incident Energy (MeV)

124

MAT 7743

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

77-Ir-197



77-Ir-197

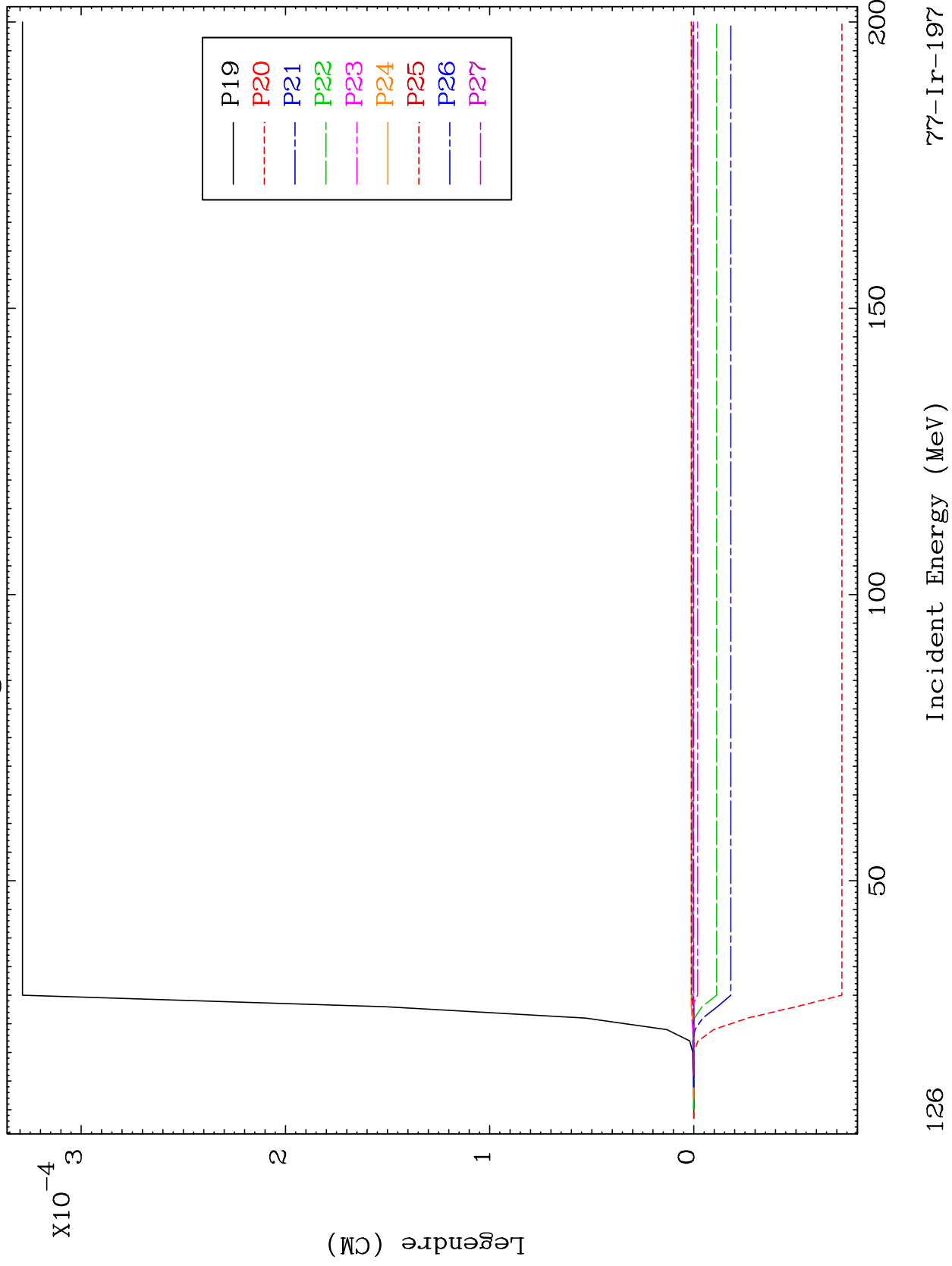
Incident Energy (MeV)

125

MAT 7743

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

77-Ir-197



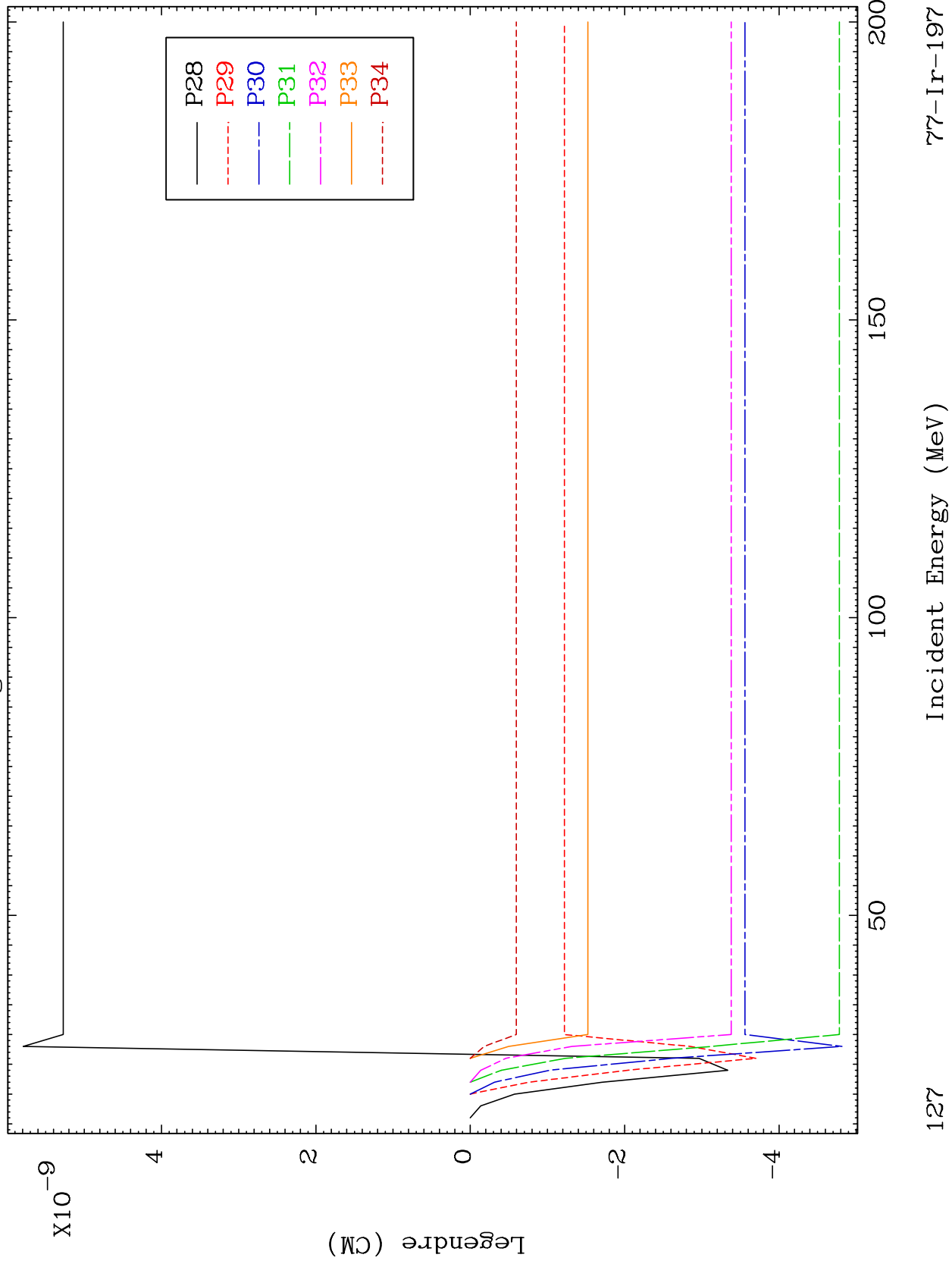
126

77-Ir-197

MAT 7743

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

77-Ir-197



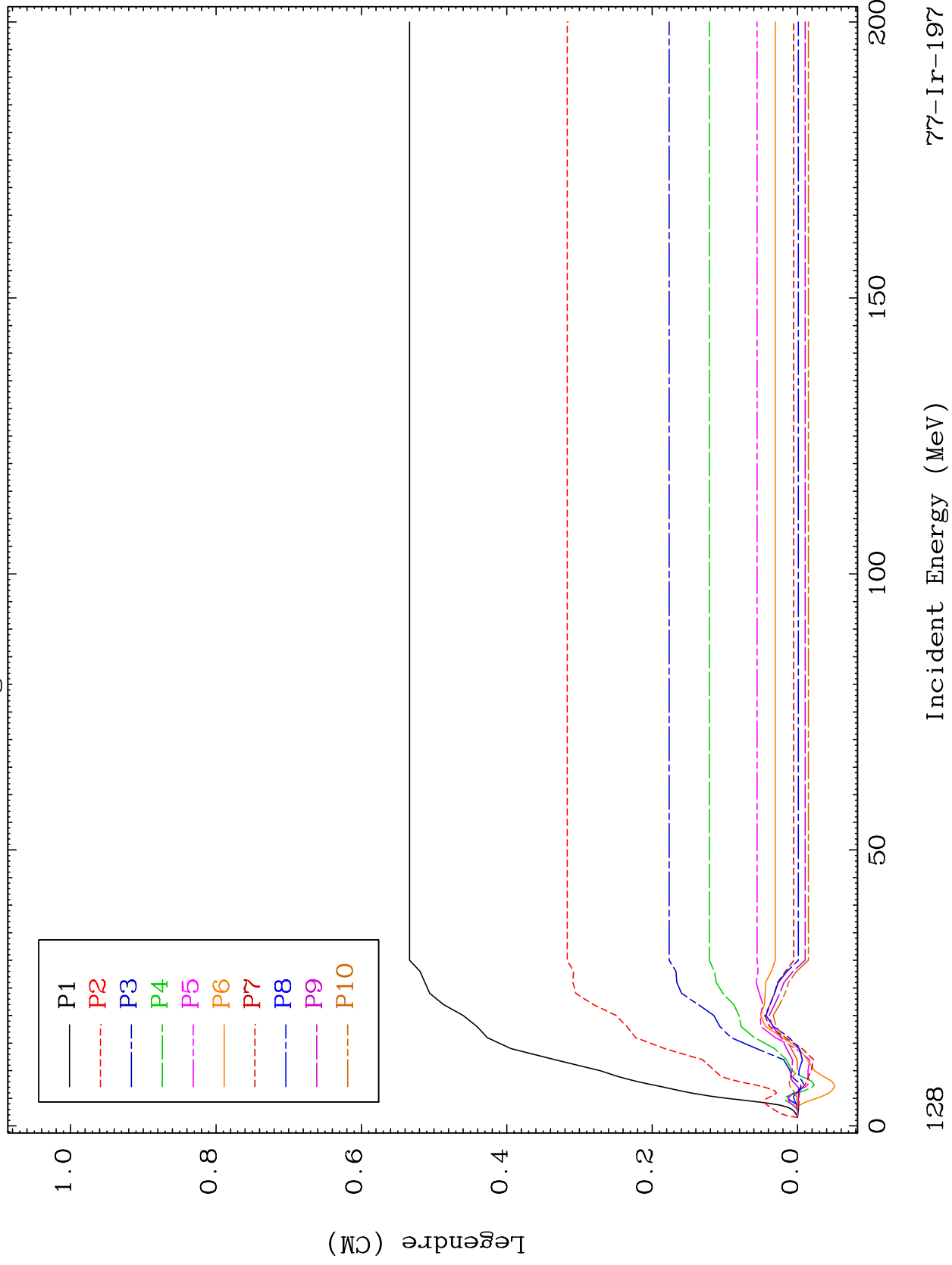
127

77-Ir-197

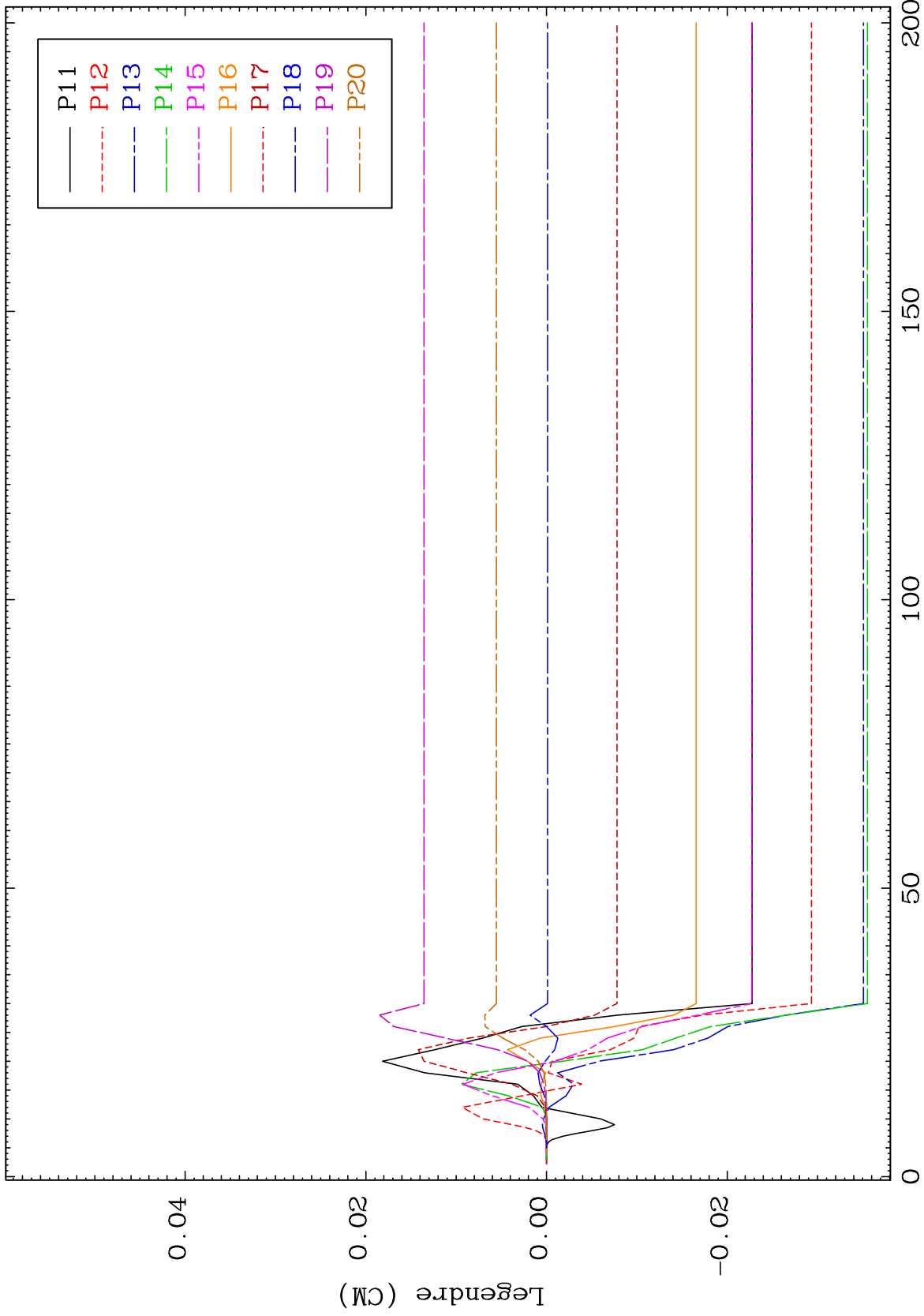
MAT 7743

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

77-Ir-197



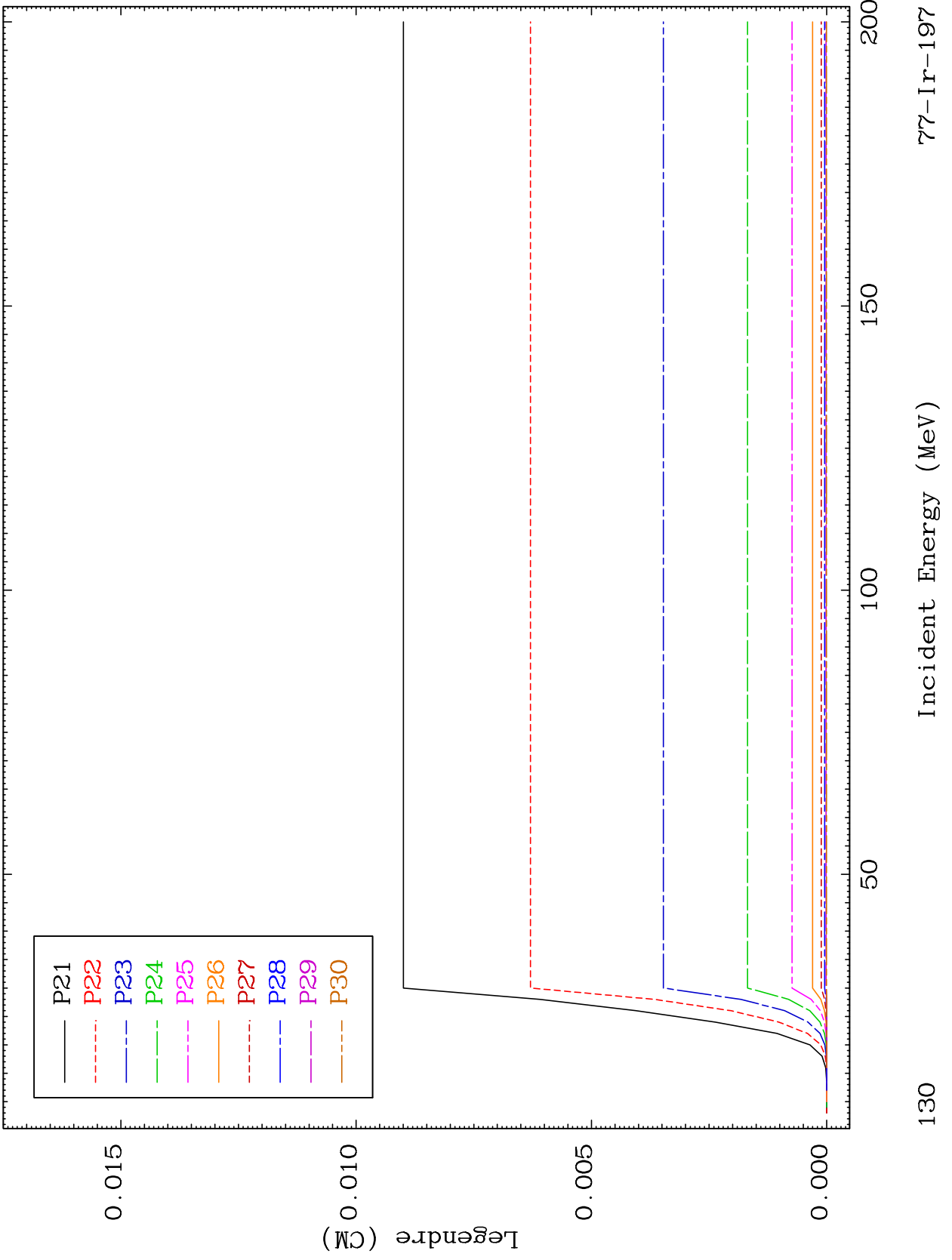
128



MAT 7743

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

77-Ir-197



130

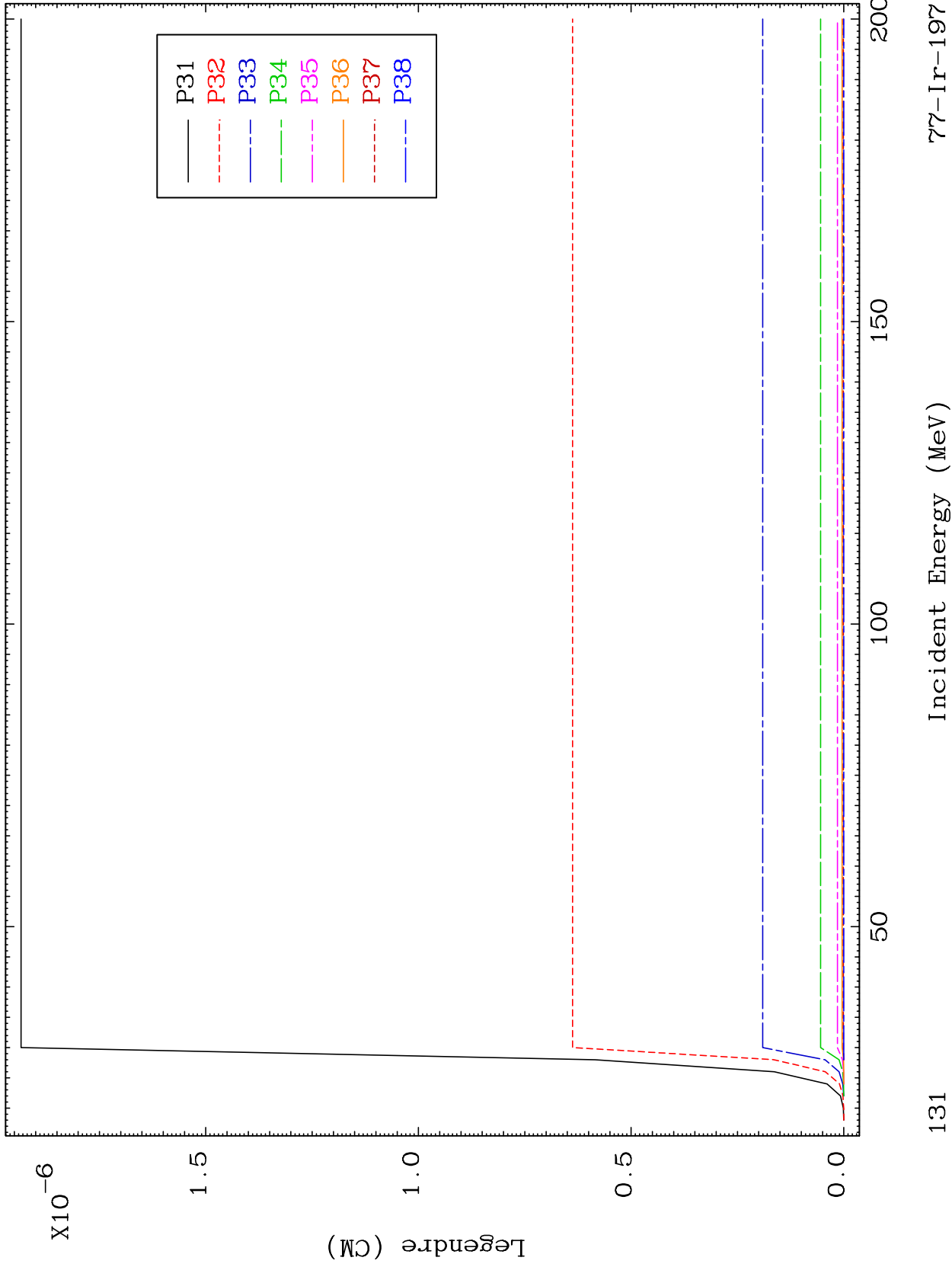
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197

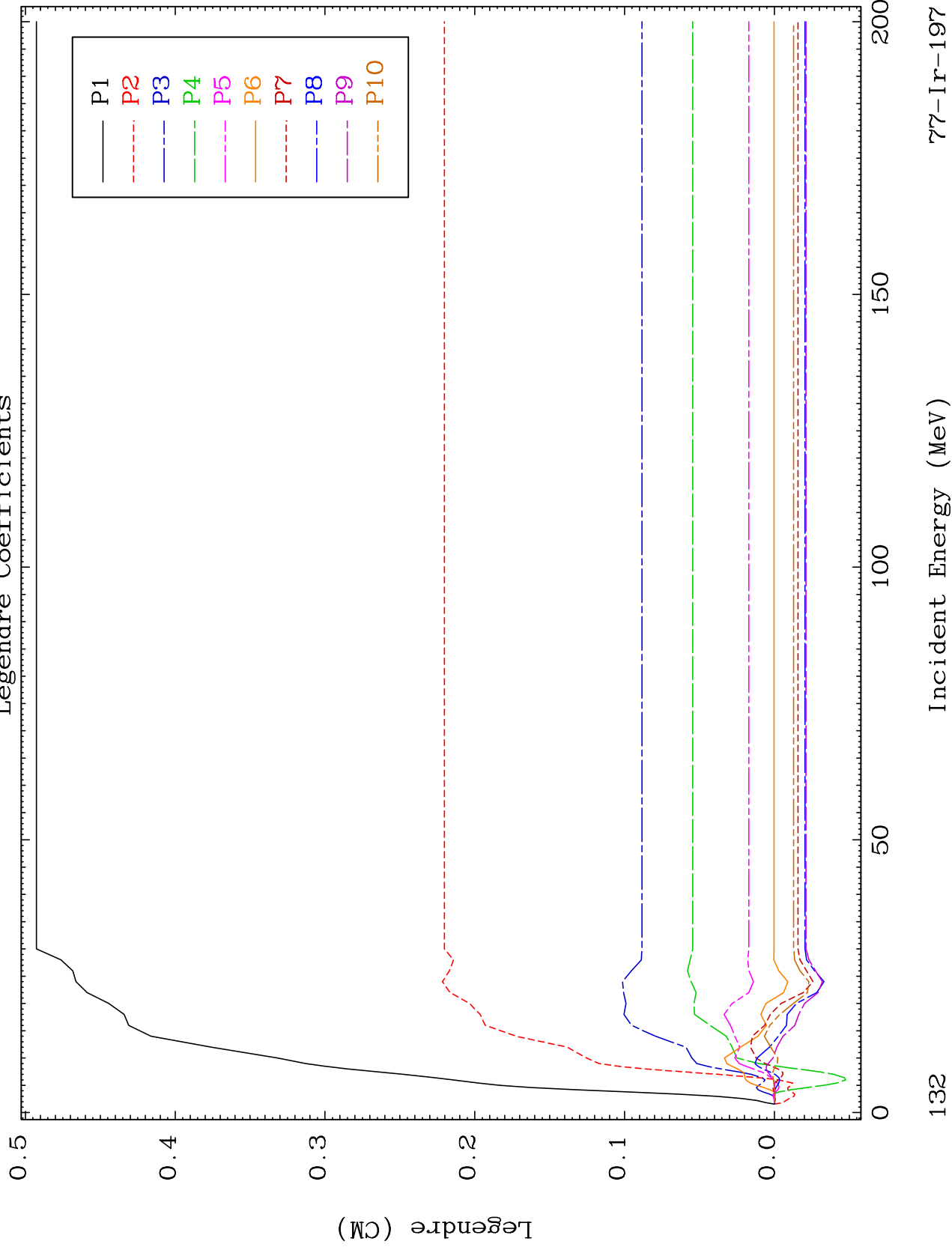


131

MAT 7743

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

77-Ir-197



77-Ir-197

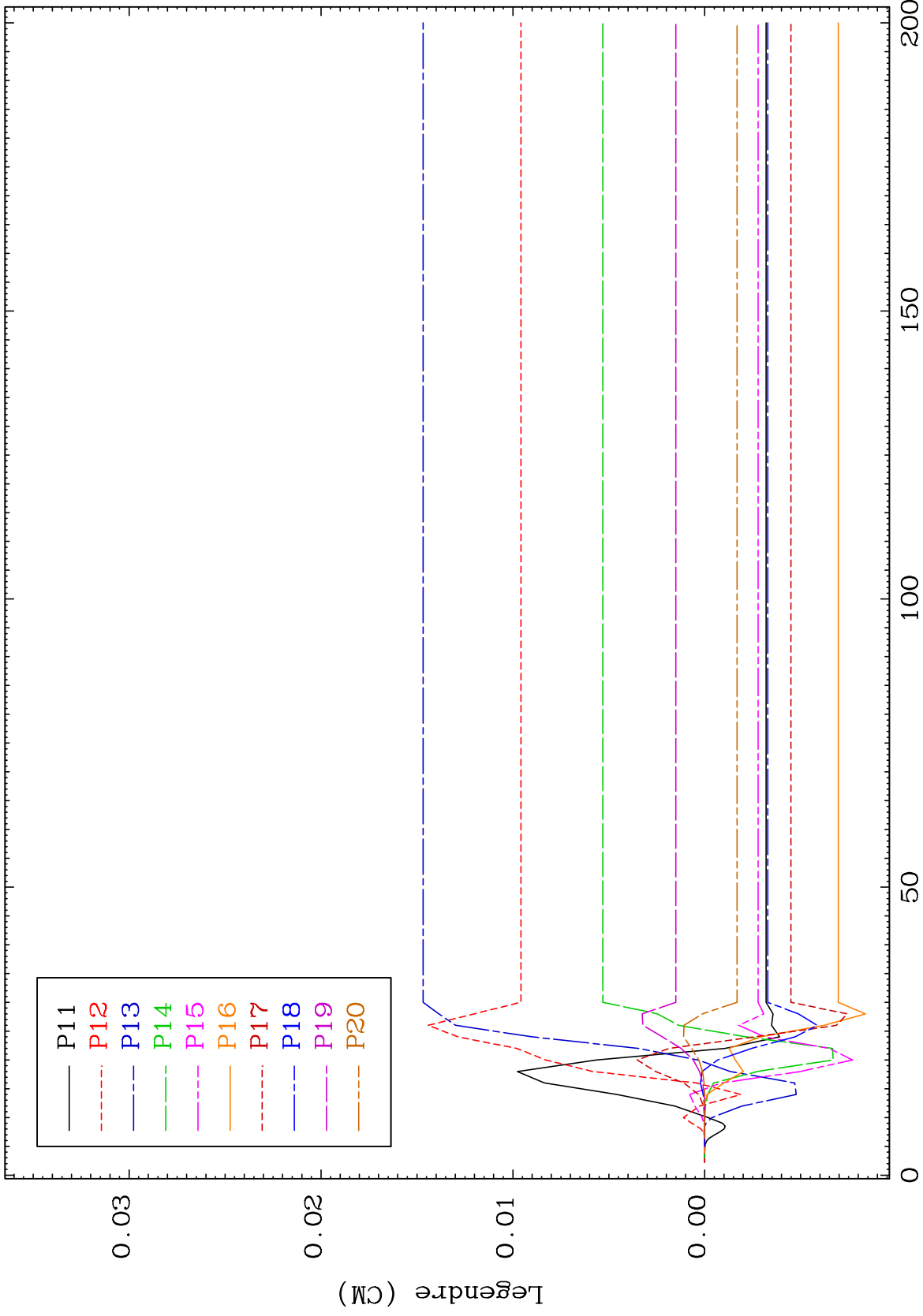
Incident Energy (MeV)

132

MAT 7743

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

77-Ir-197



133

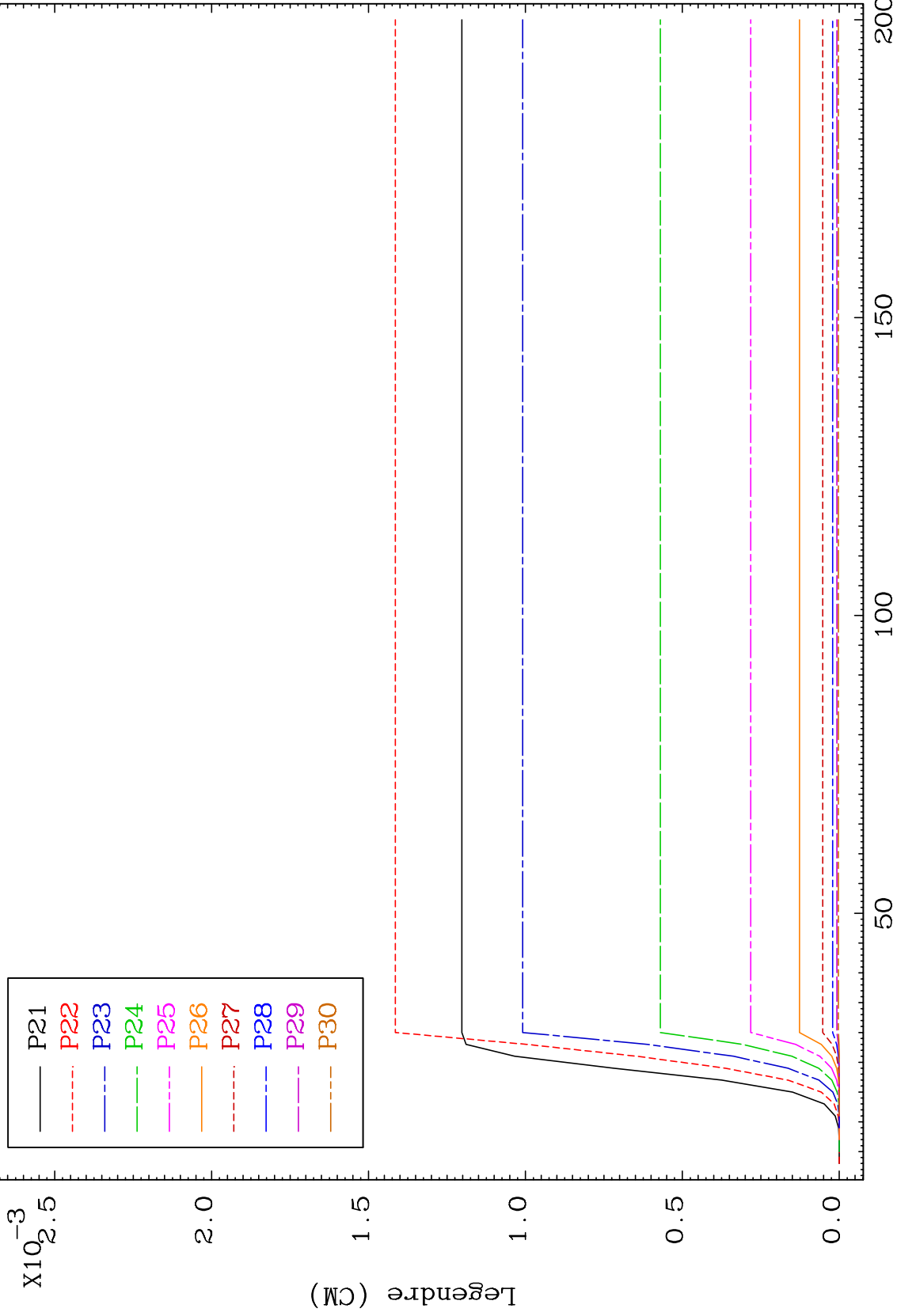
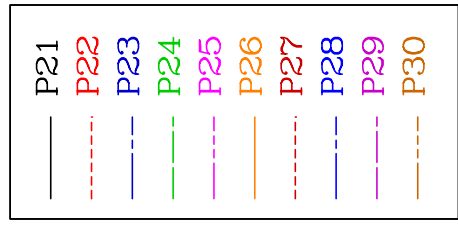
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



134

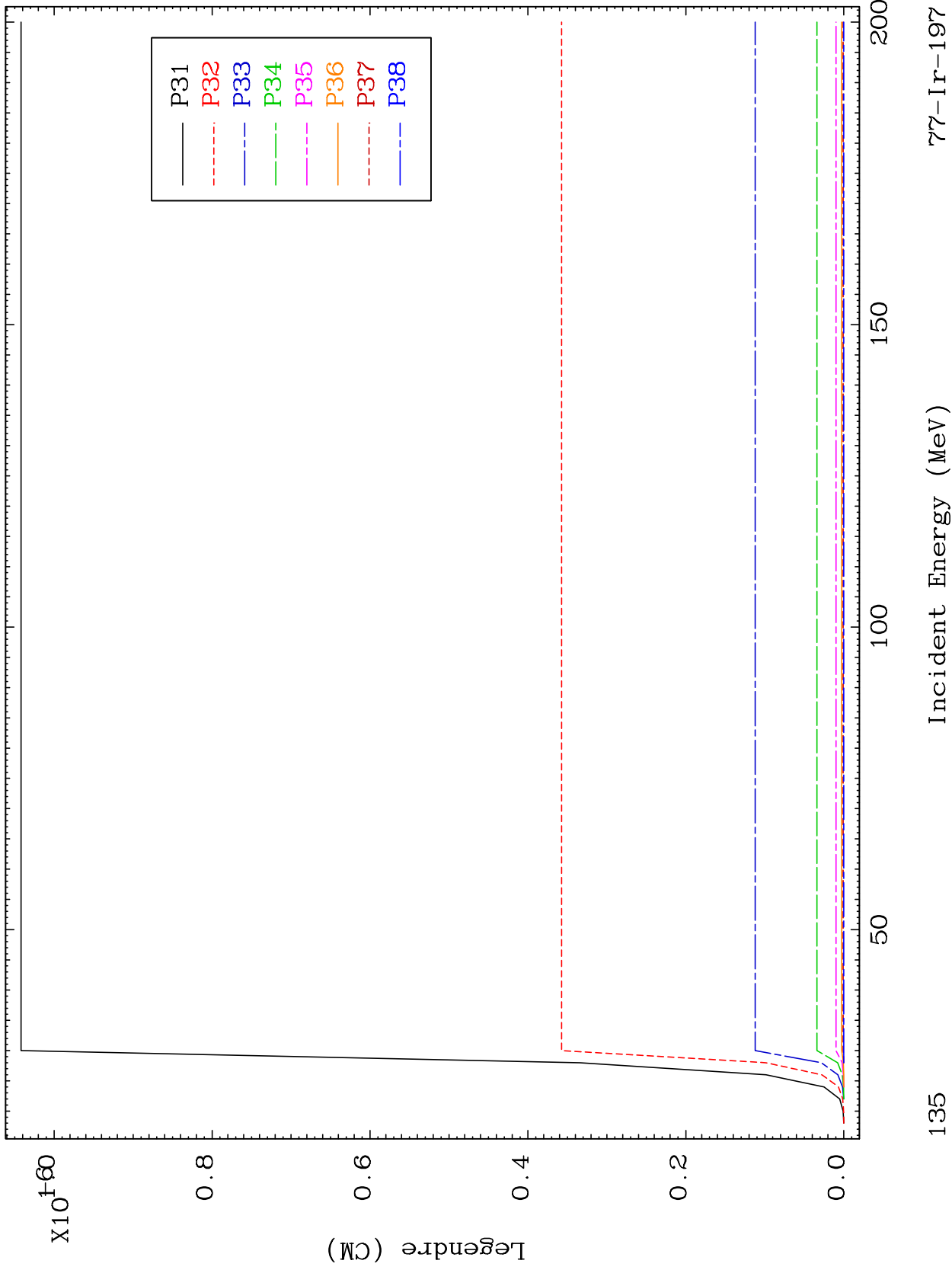
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

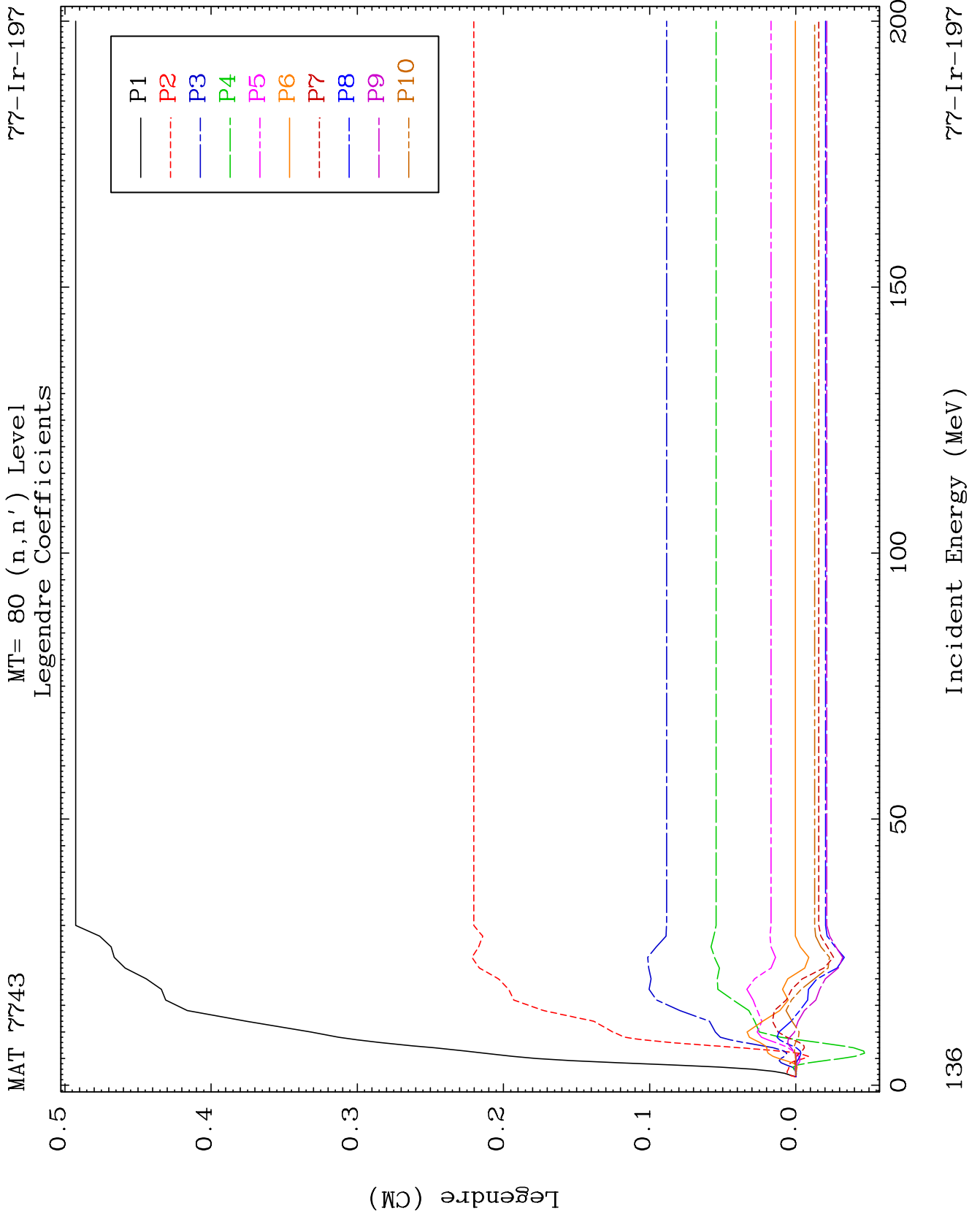
77-Ir-197



135

Incident Energy (MeV)

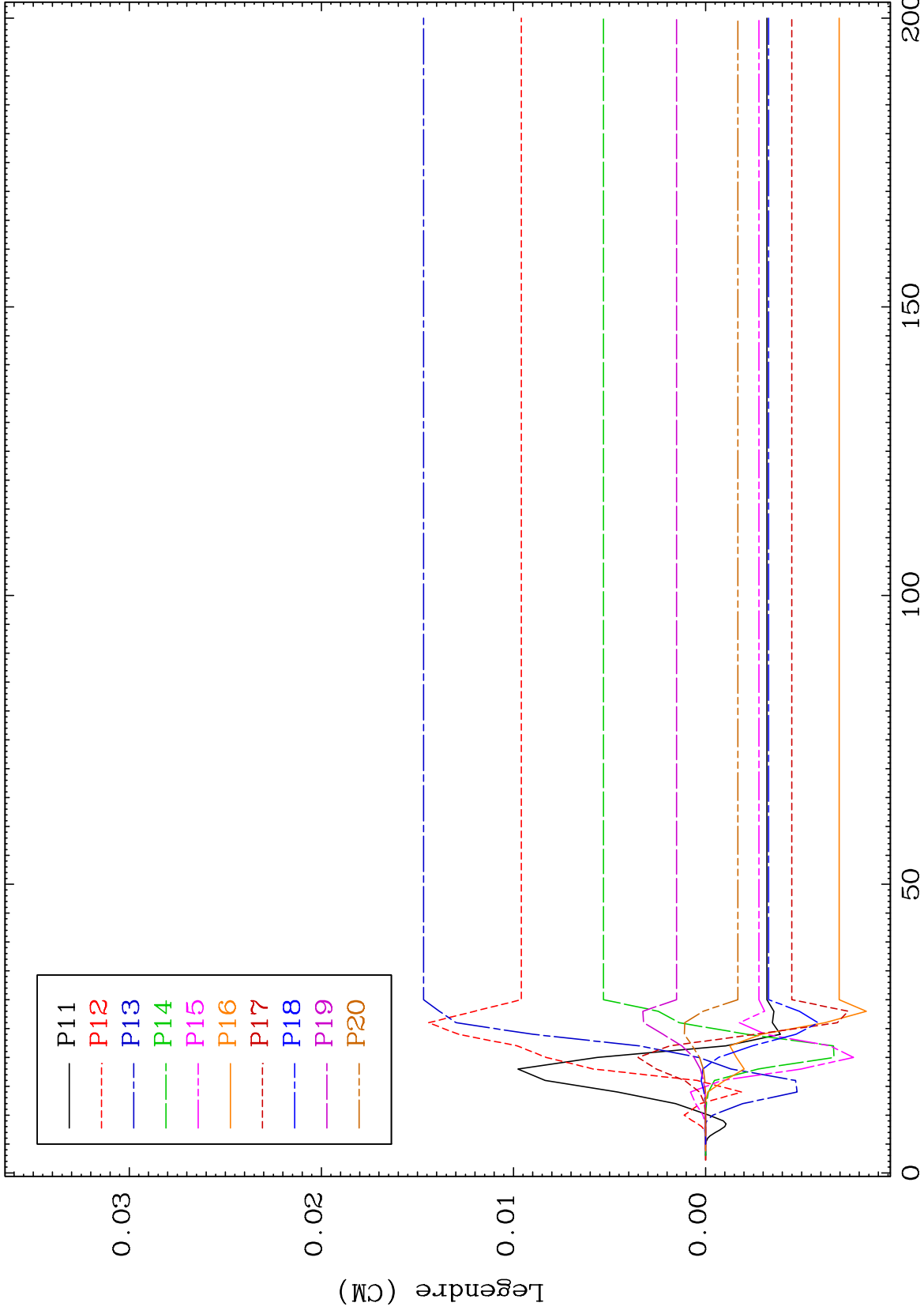
77-Ir-197



MAT 7743

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

77-Ir-197



137

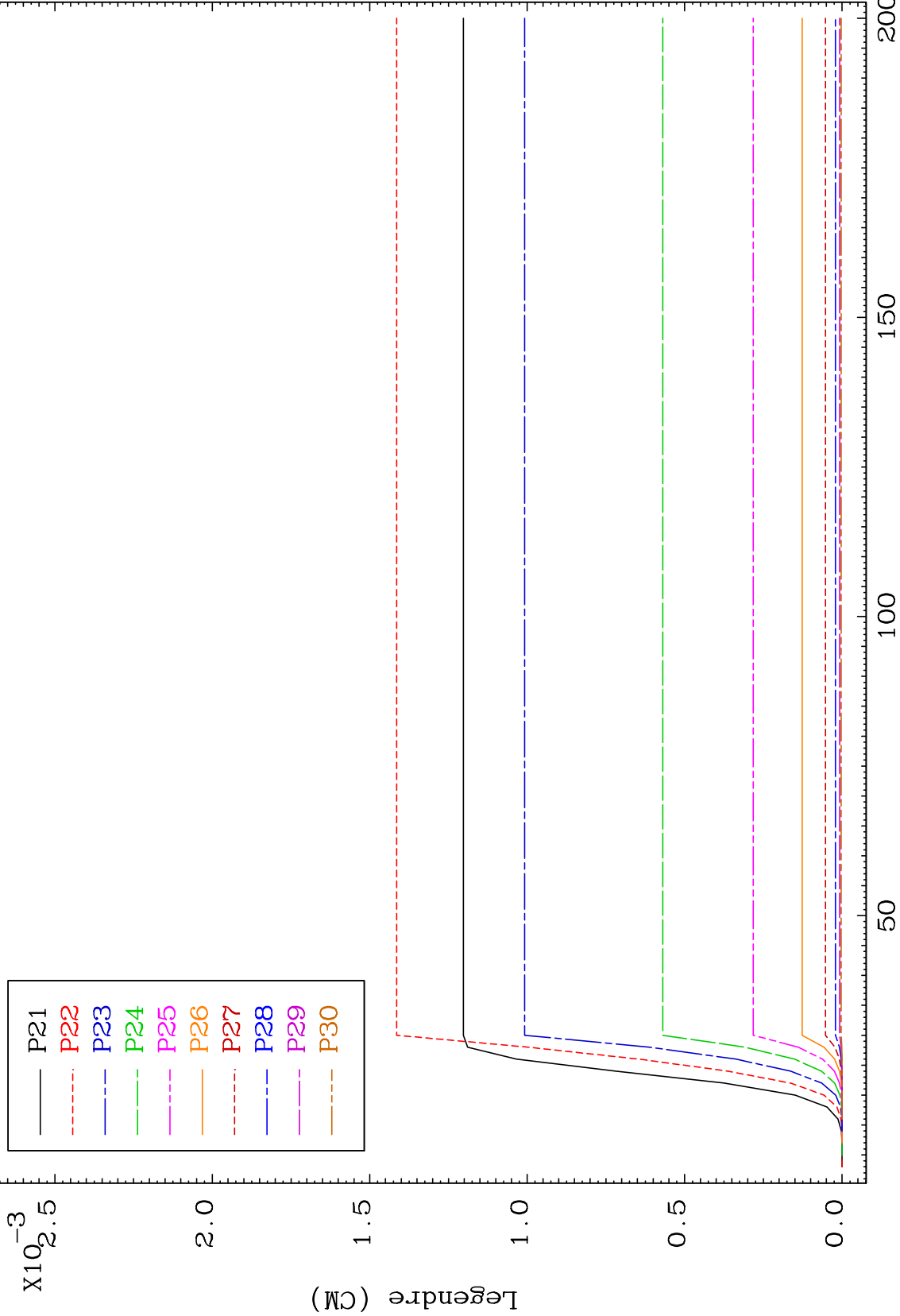
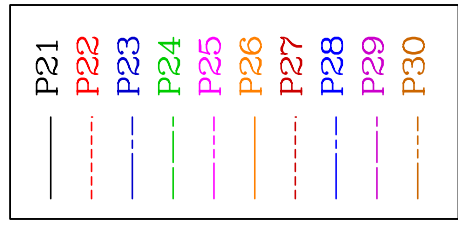
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197



138

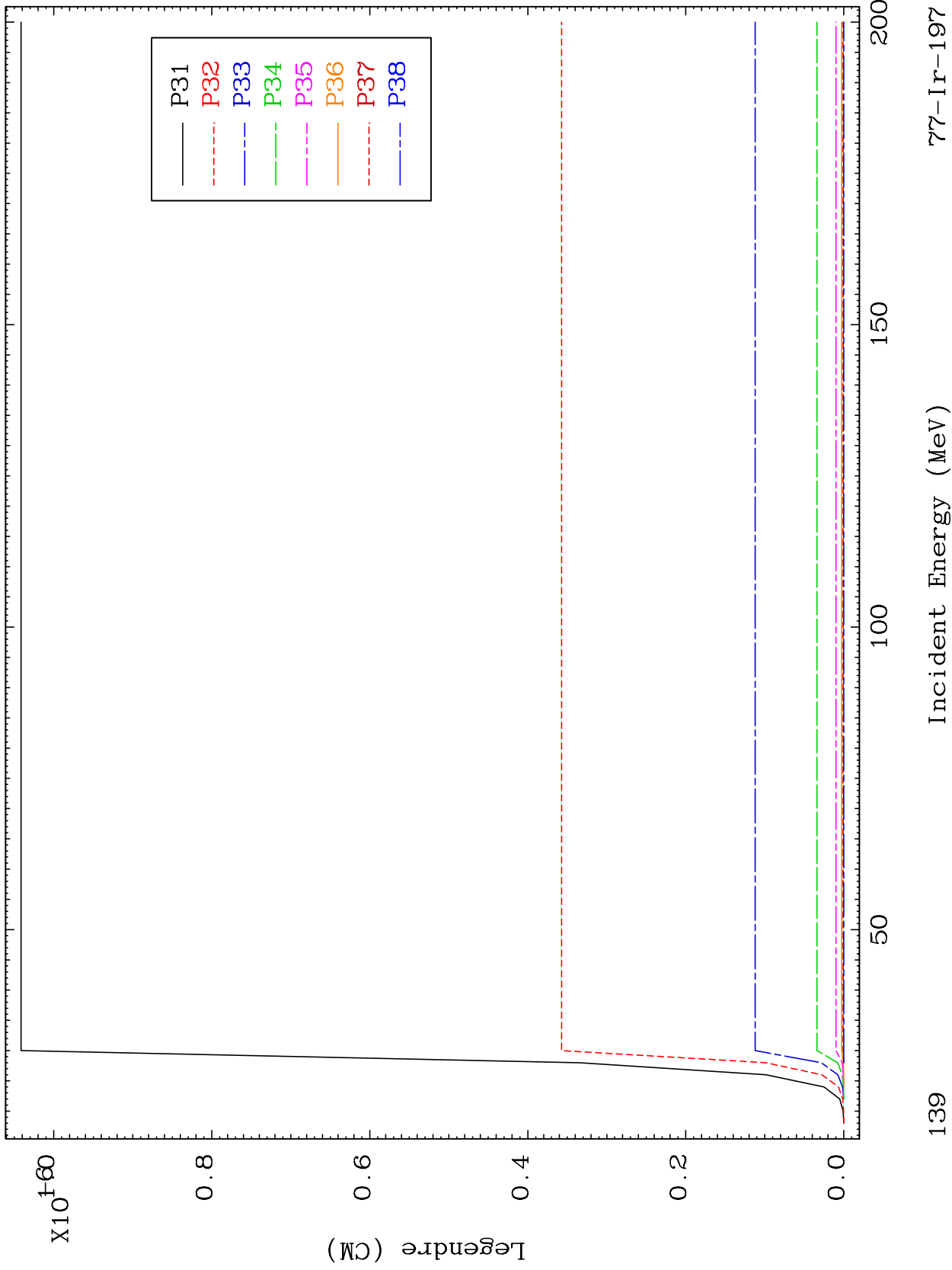
Incident Energy (MeV)

77-Ir-197

MAT 7743

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

77-Ir-197

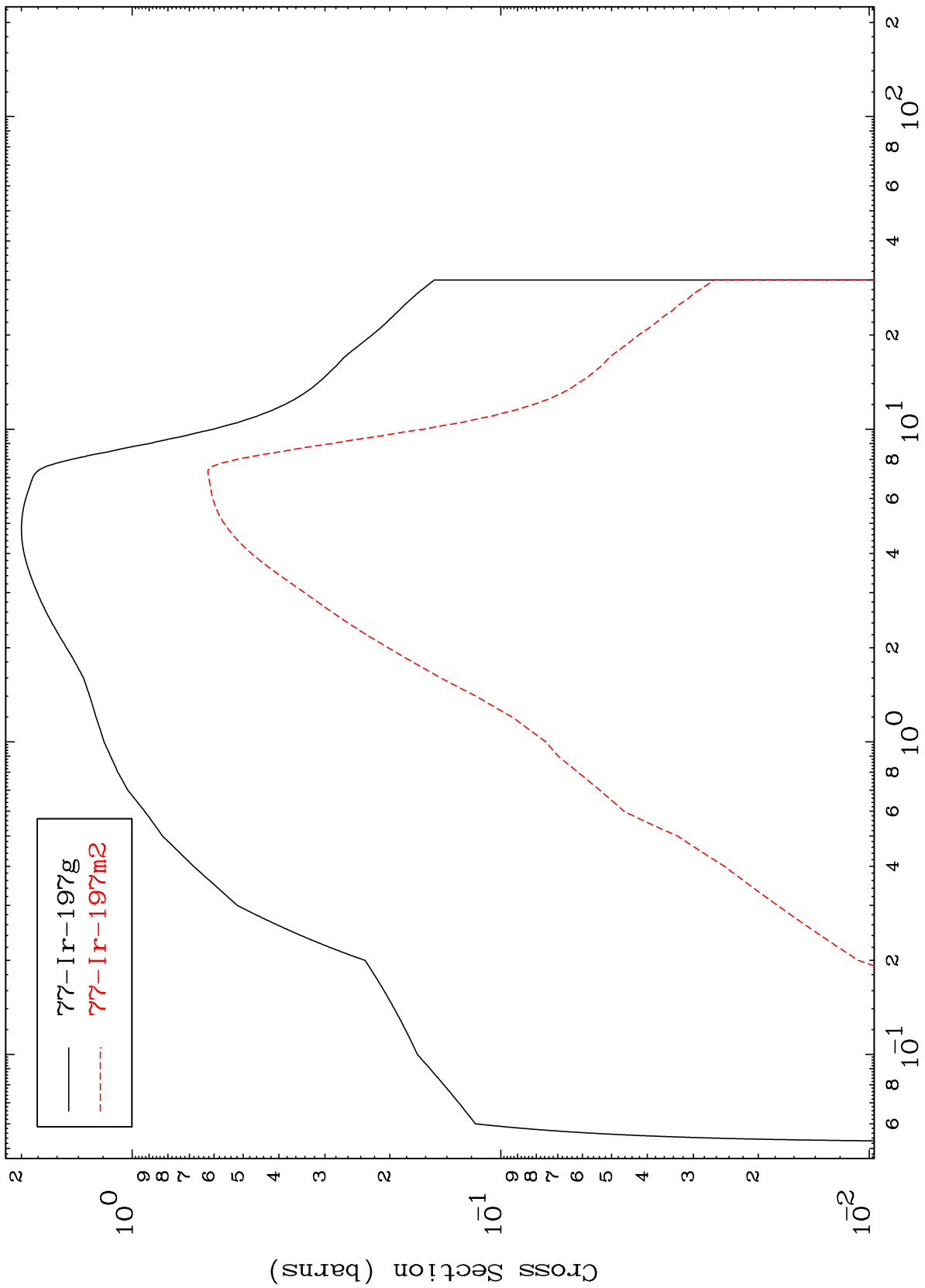


139

MAT 7743

77-Ir-197

Inelastic
Radionuclide Production Cross Section



— 77-Ir-197g
- - - 77-Ir-197m2

77-Ir-197

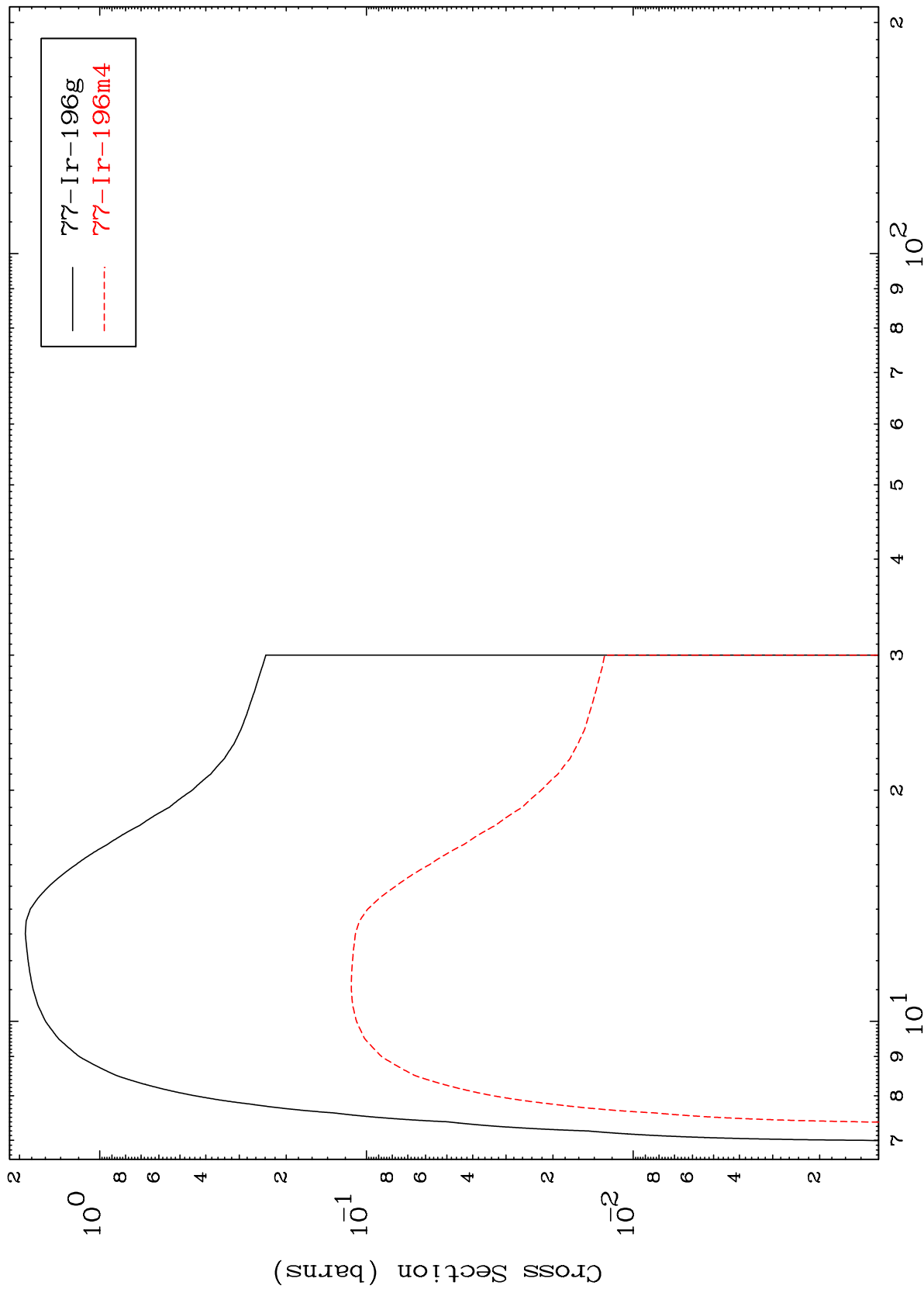
Incident Energy (MeV)

140

MAT 7743

77-Ir-197

(n,2n)
Radionuclide Production Cross Section



141

Incident Energy (MeV)

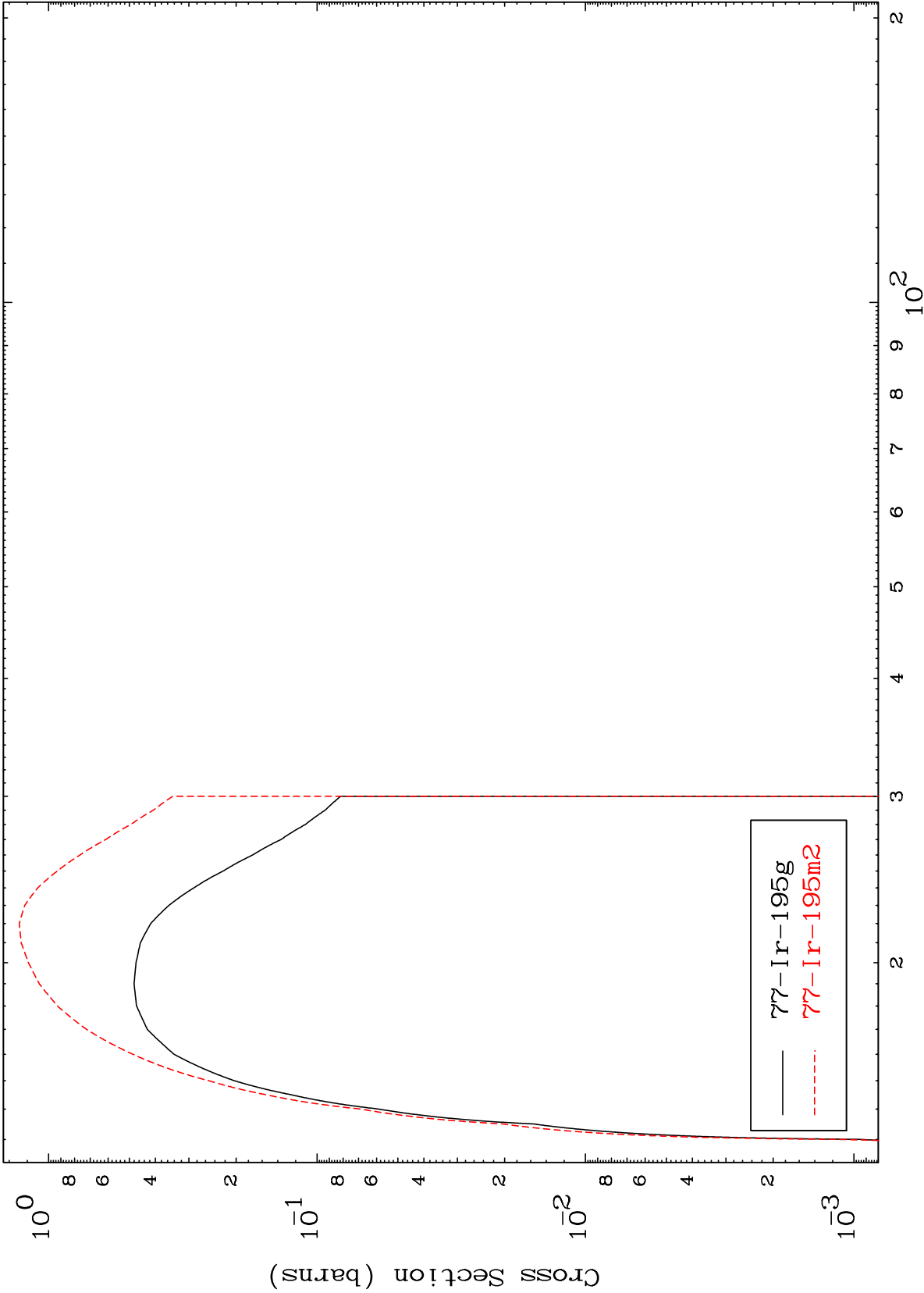
77-Ir-197

MAT 7743

(n,3n)

⁷⁷Ir-197

Radionuclide Production Cross Section



142

Incident Energy (MeV)

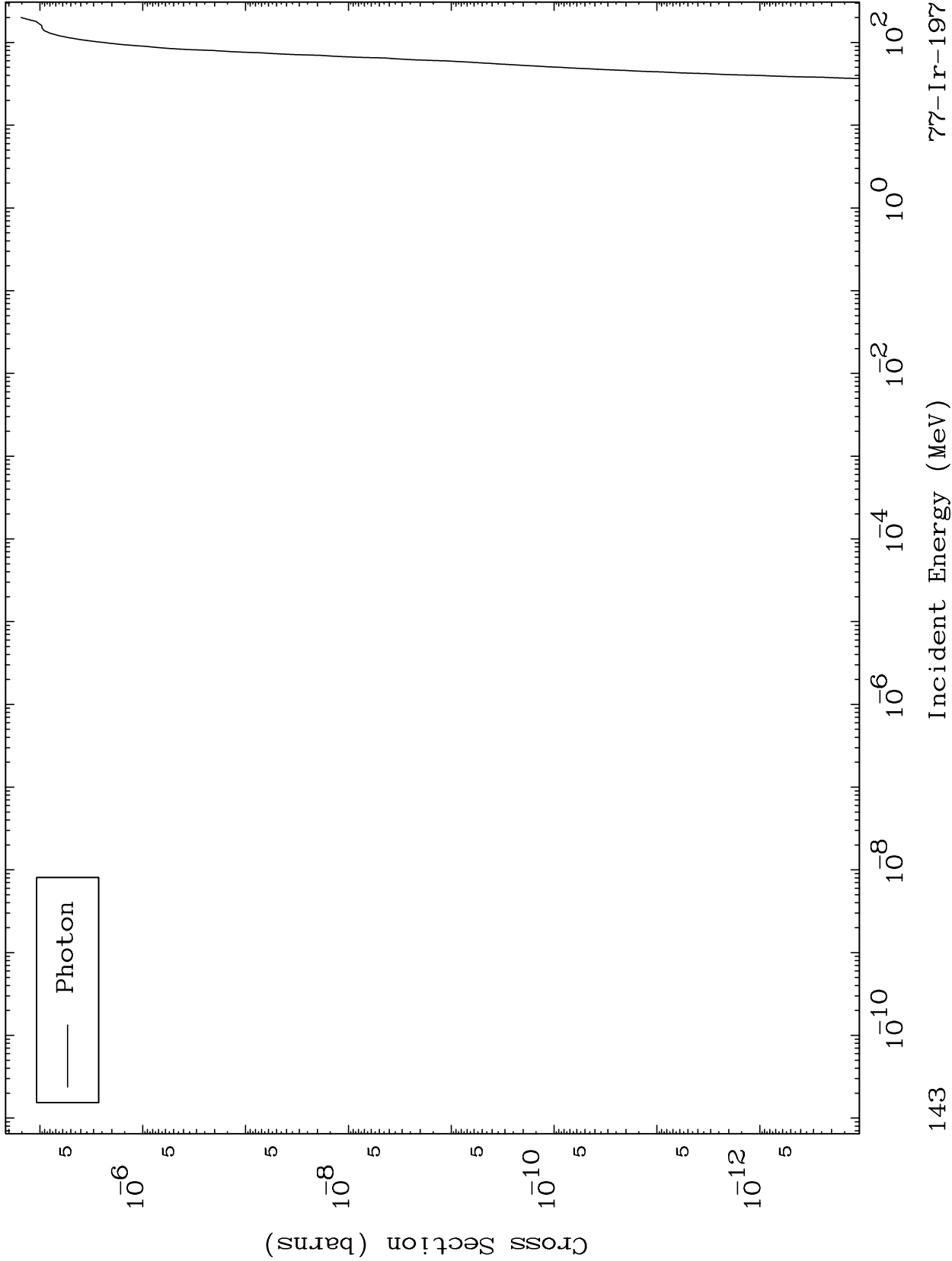
⁷⁷Ir-197

MAT 7743

Fission

⁷⁷Ir-197

Radionuclide Production Cross Section



143

Incident Energy (MeV)

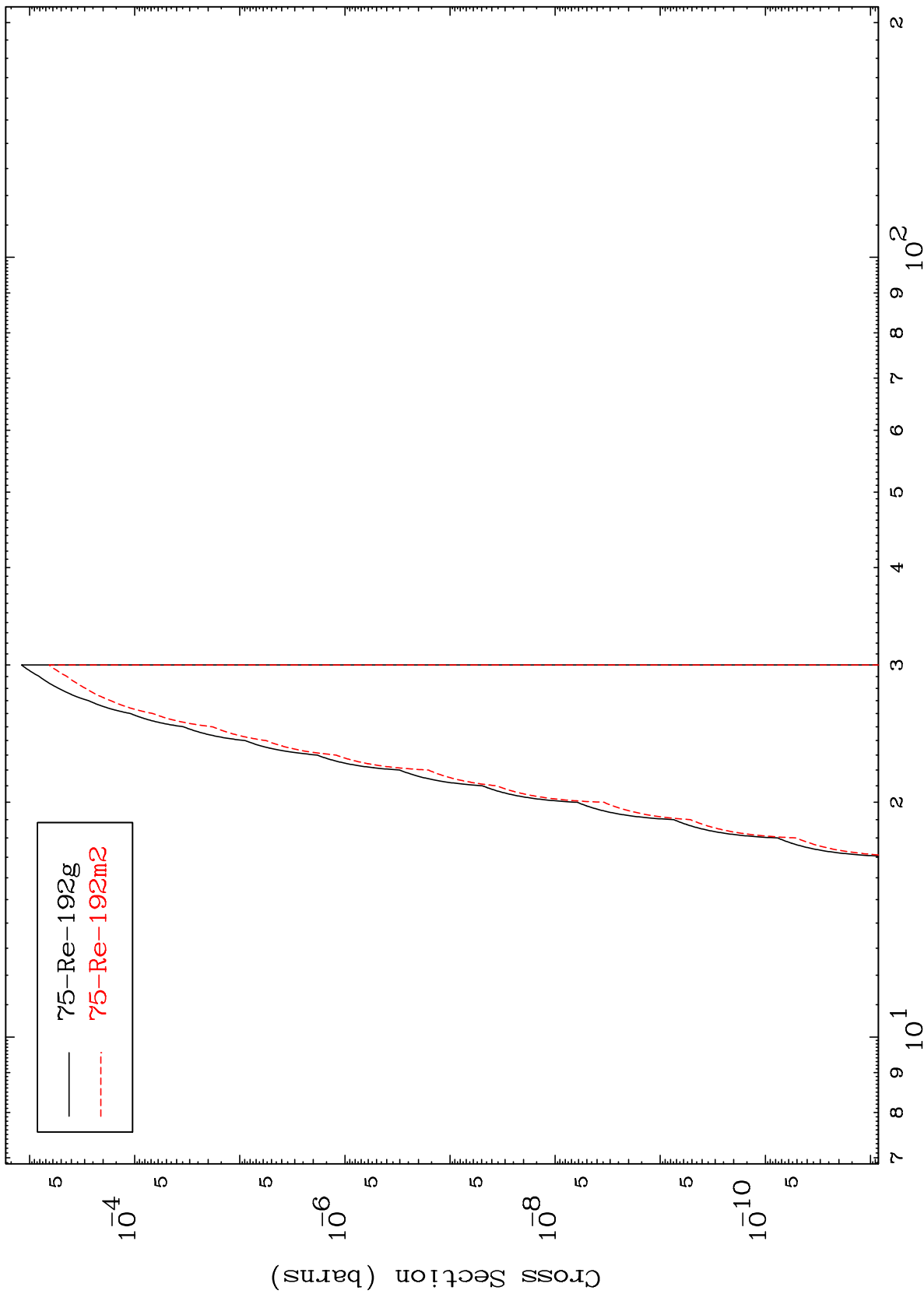
⁷⁷Ir-197

MAT 7743

(n,2n) α

77-Ir-197

Radionuclide Production Cross Section



75-Re-192g
75-Re-192m2

144

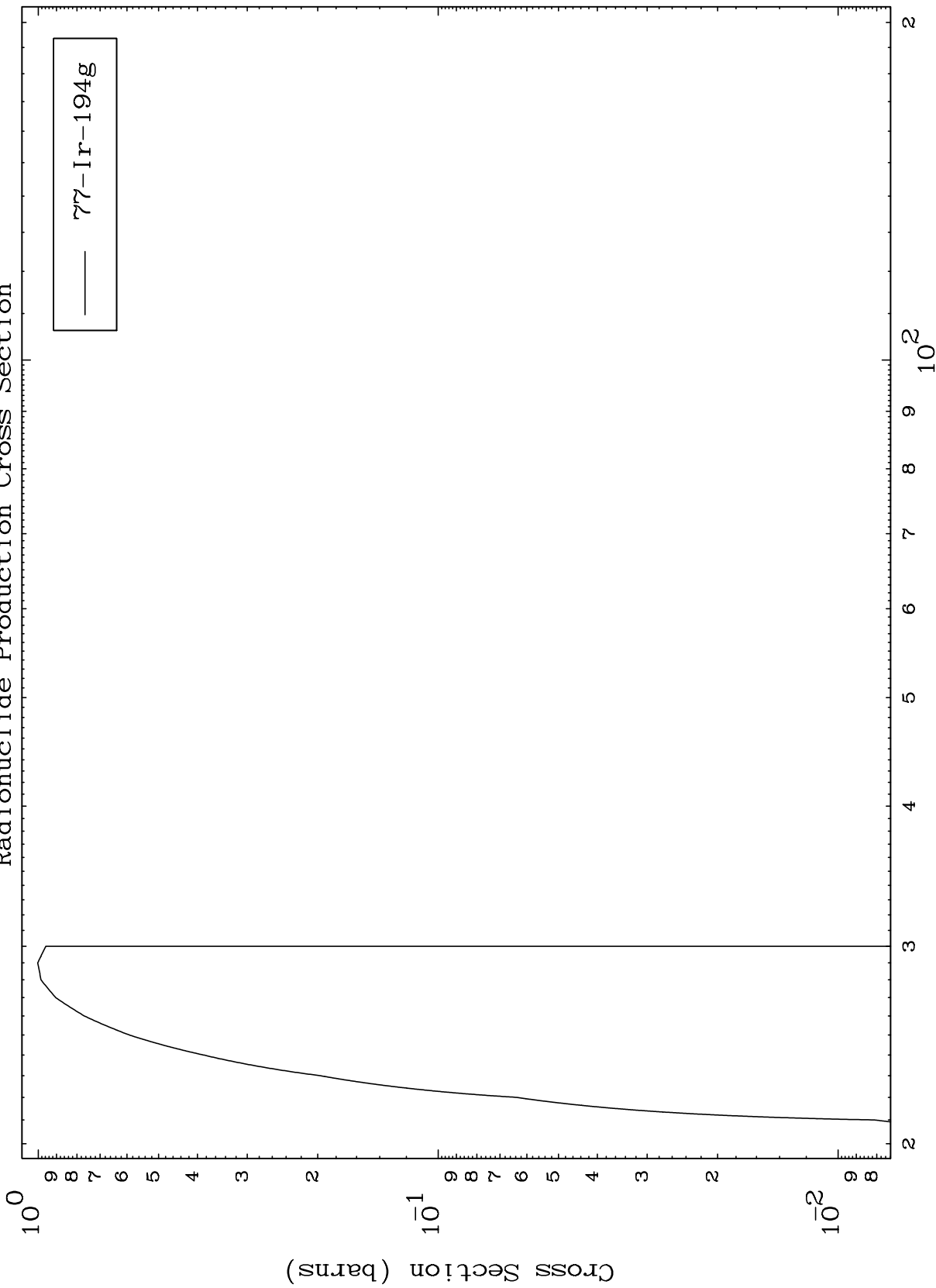
Incident Energy (MeV)

77-Ir-197

MAT 7743

77-Ir-197

(n,4n)
Radionuclide Production Cross Section



77-Ir-197

Incident Energy (MeV)

145