

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

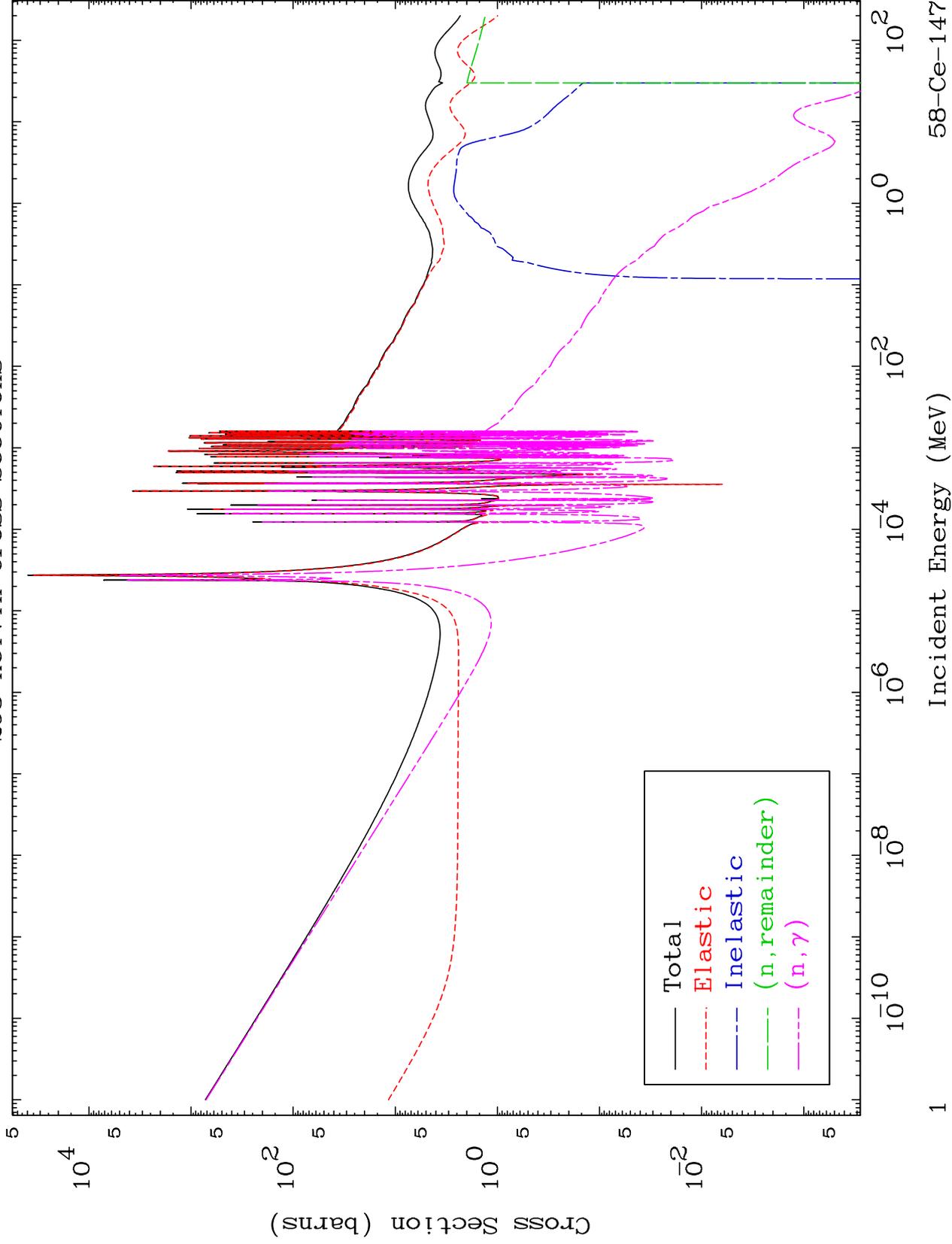
Press Mouse Button to Start

MAT 5858

Major

293 Kelvin Cross Sections

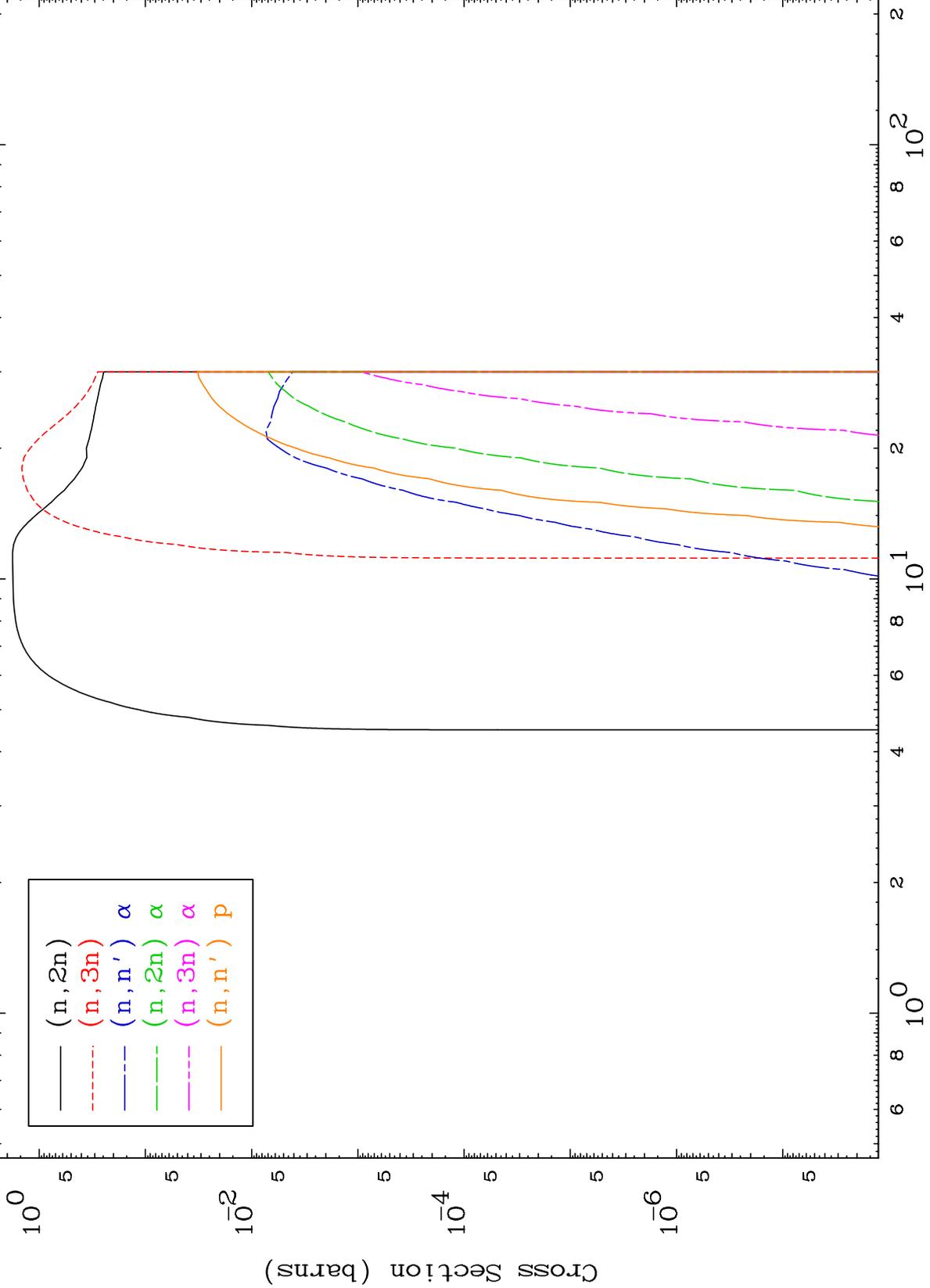
58-Ce-147

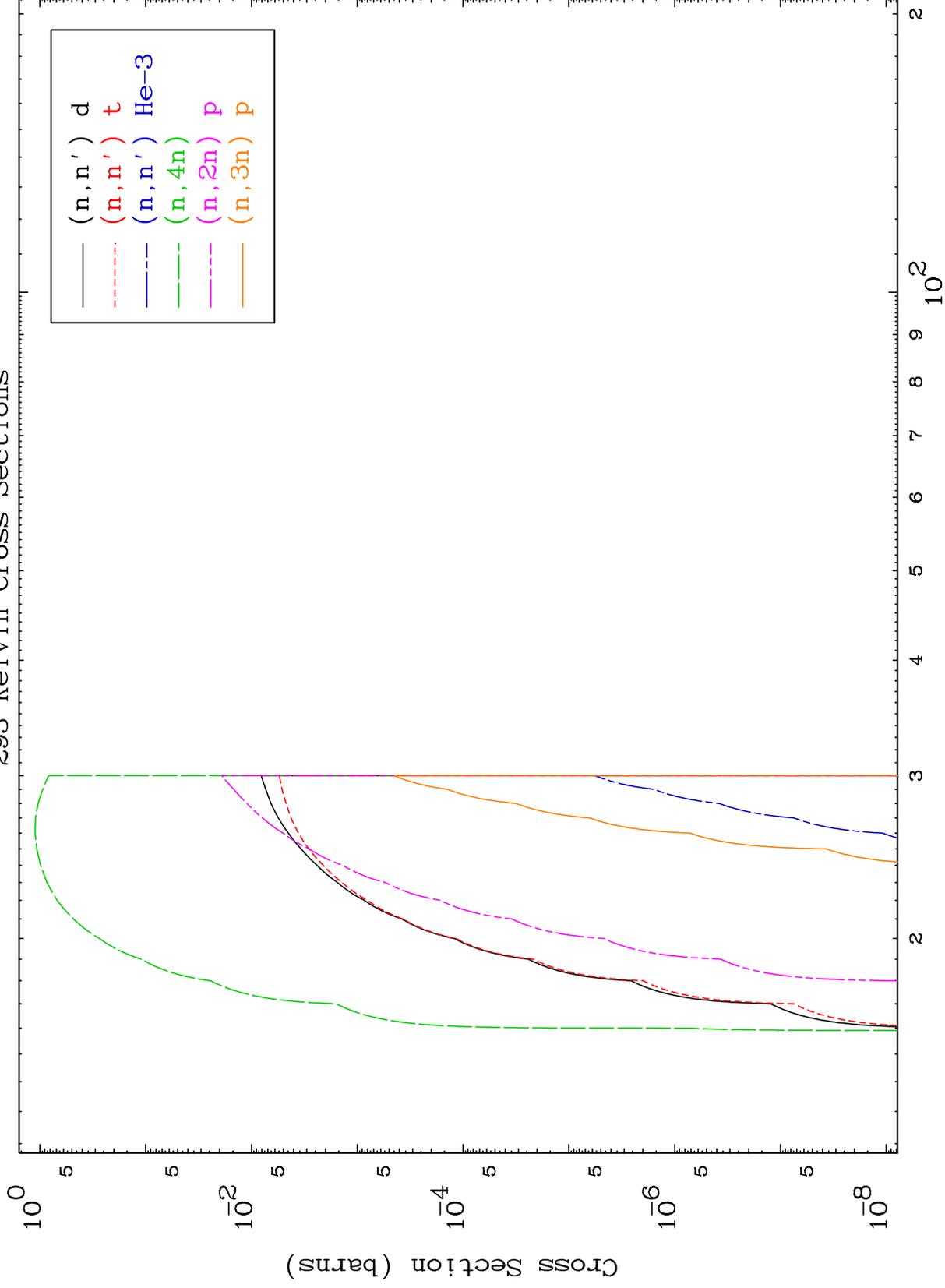


MAT 5858

Neutron Production
293 Kelvin Cross Sections

58-Ce-147

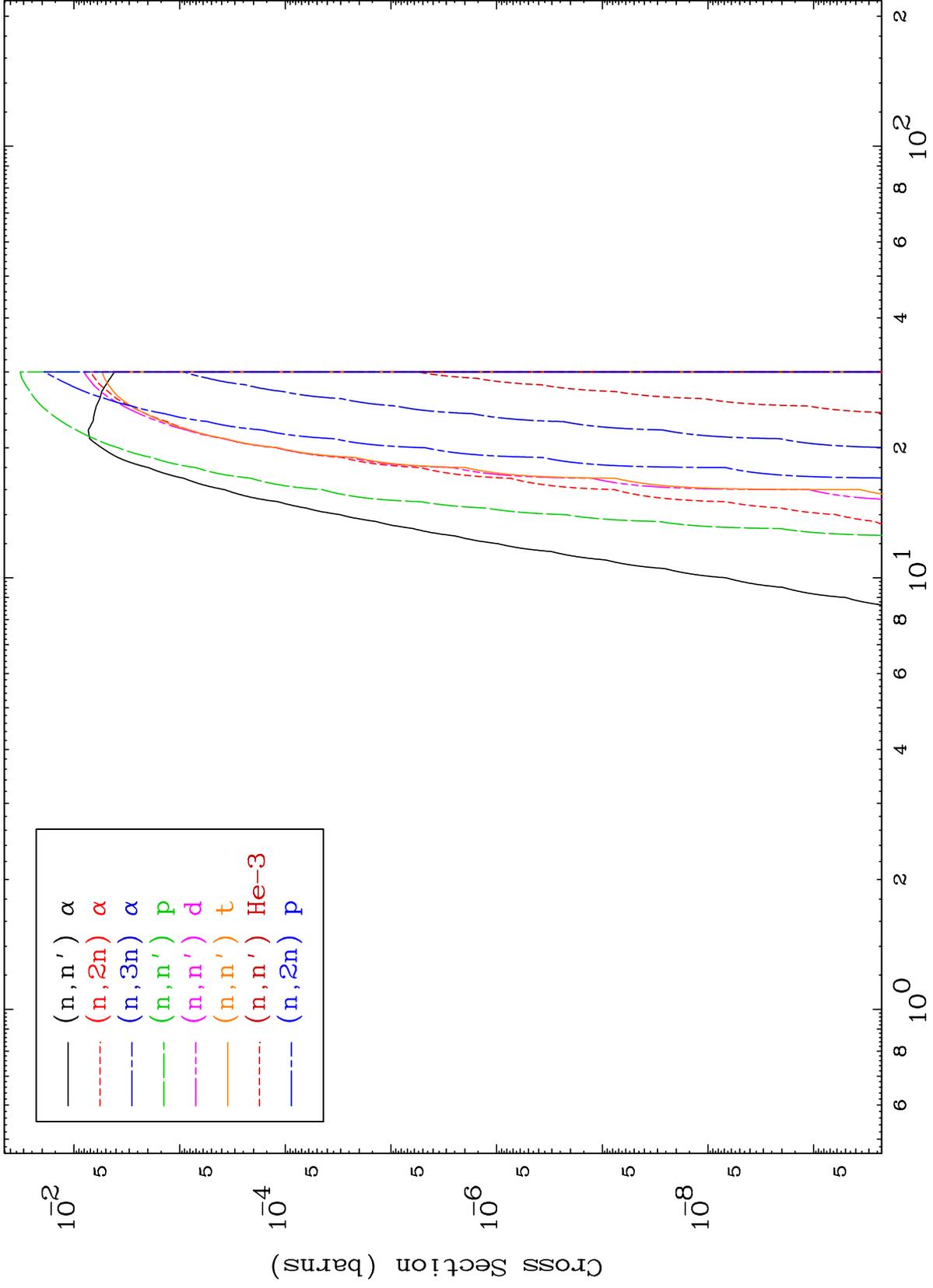




MAT 5858

Charged Particle
293 Kelvin Cross Sections

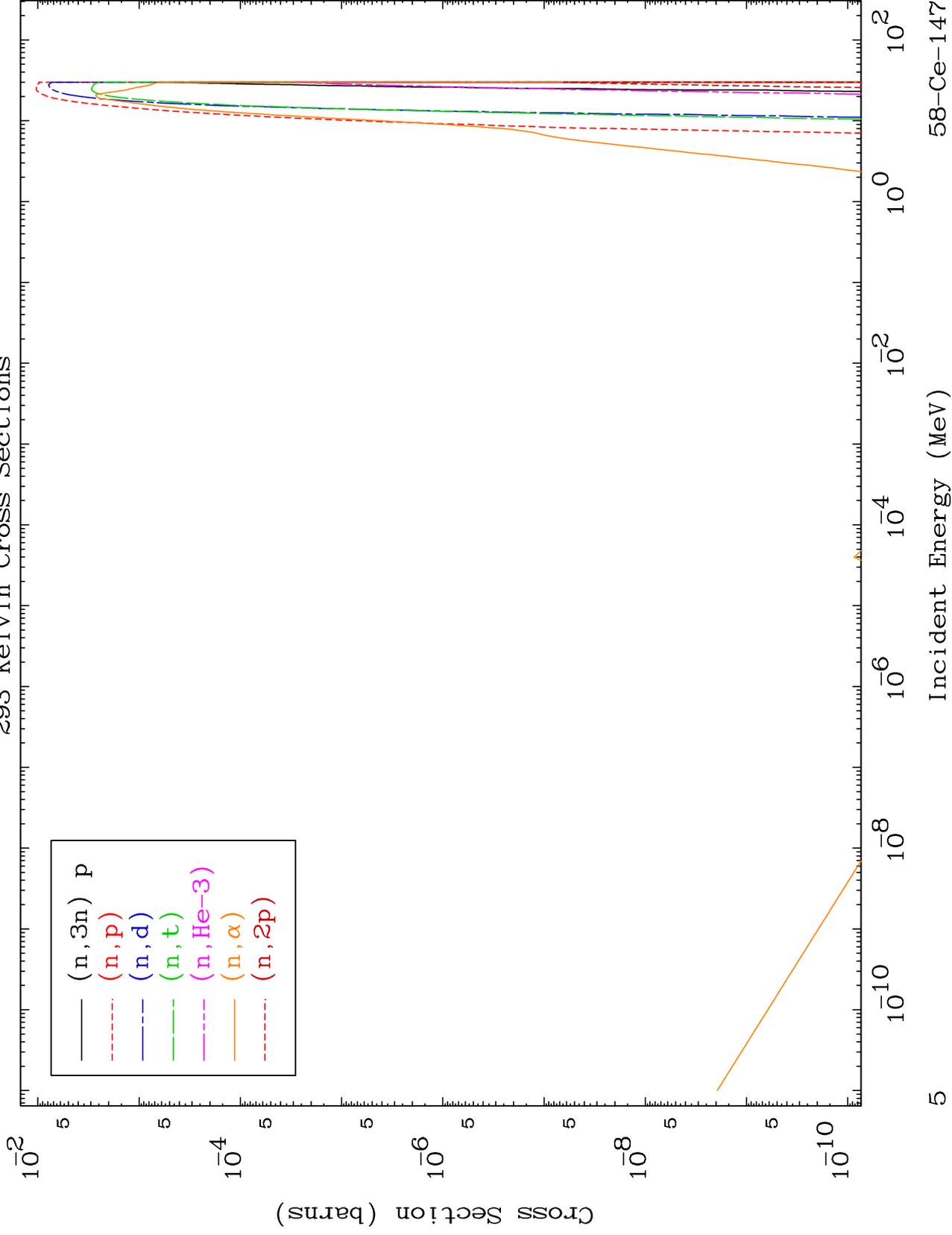
58-Ce-147



MAT 5858

Charged Particle
293 Kelvin Cross Sections

58-Ce-147



58-Ce-147

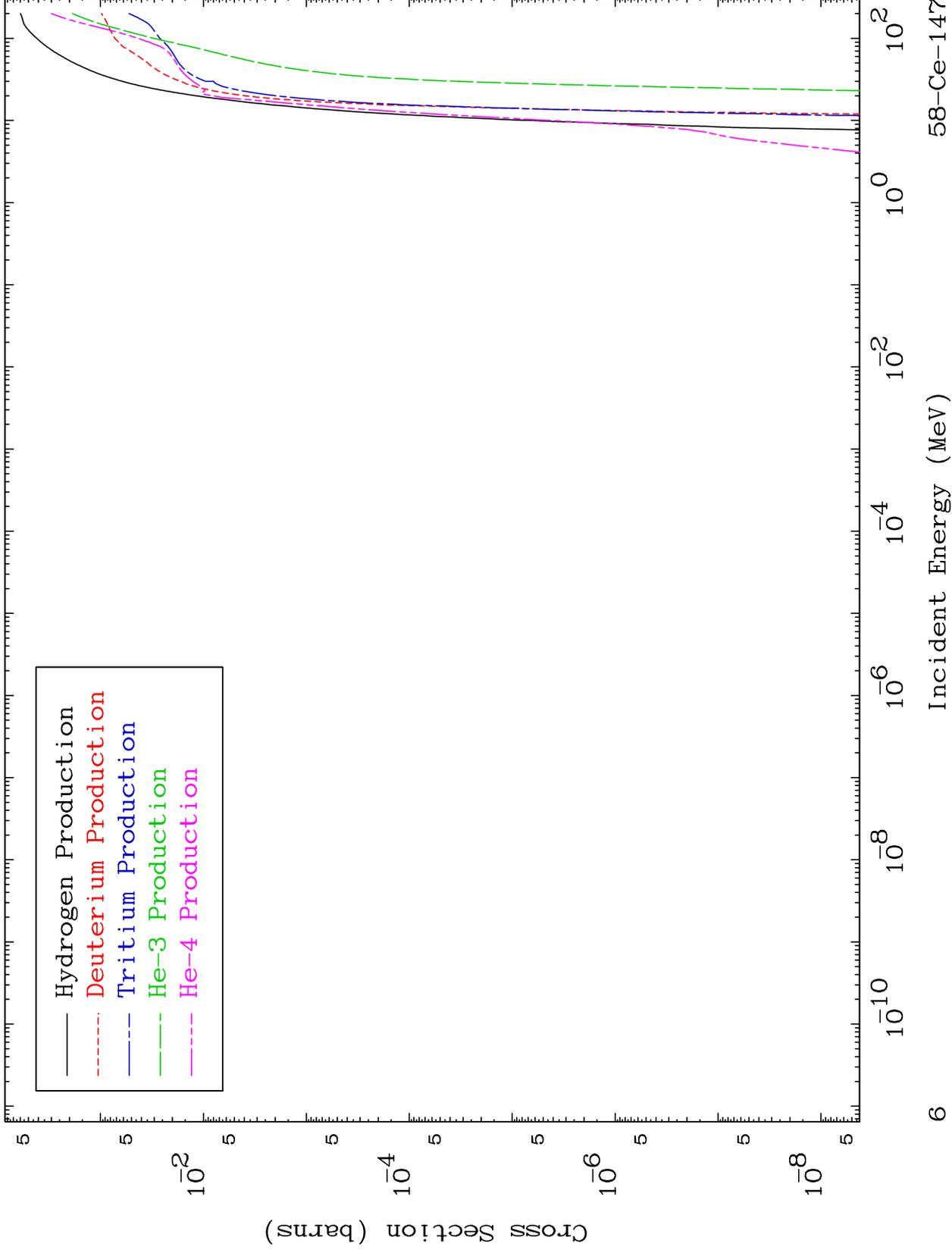
Incident Energy (MeV)

5

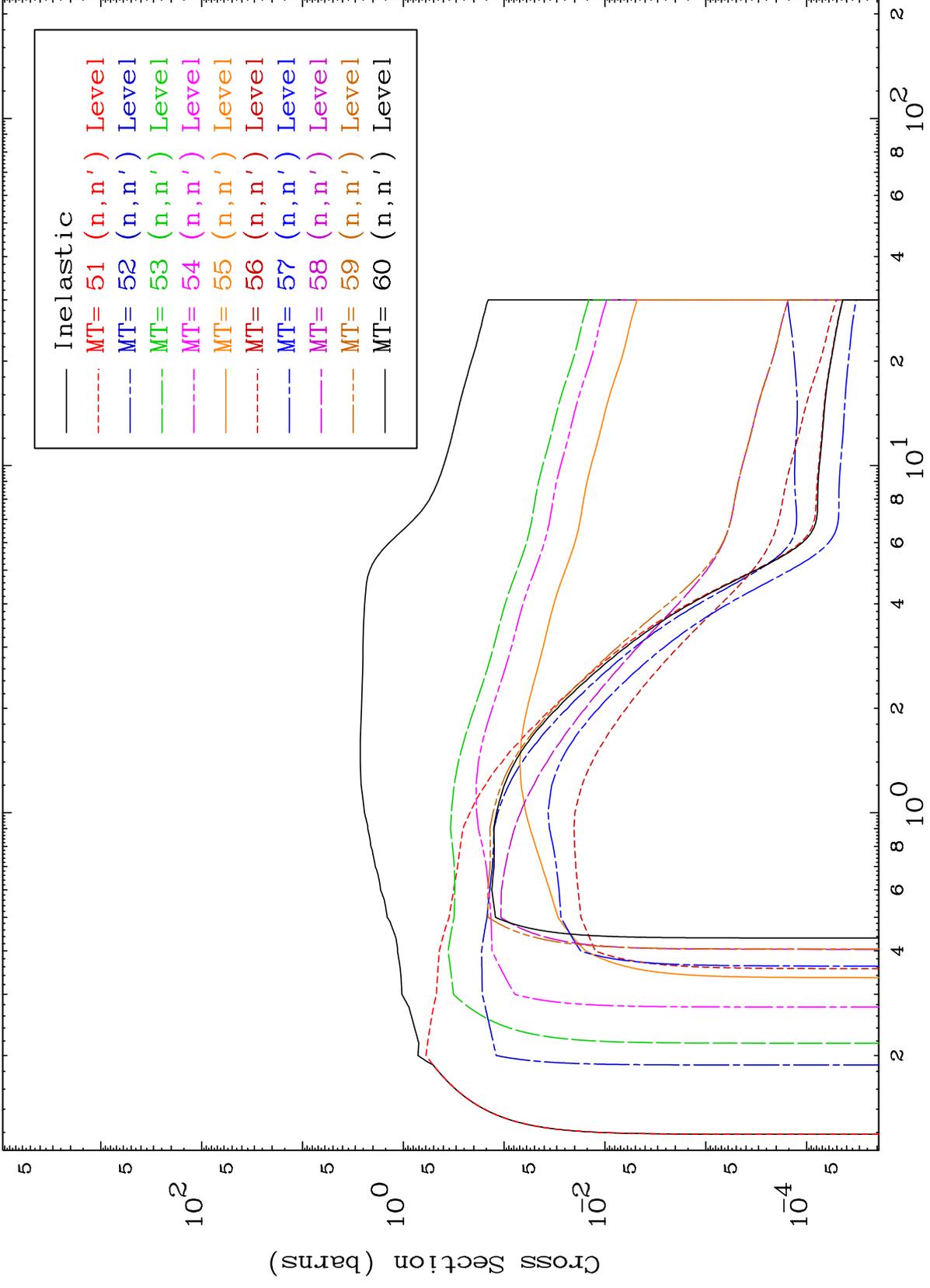
MAT 5858

Particle Production
293 Kelvin Cross Sections

58-Ce-147



293 Kelvin Cross Sections

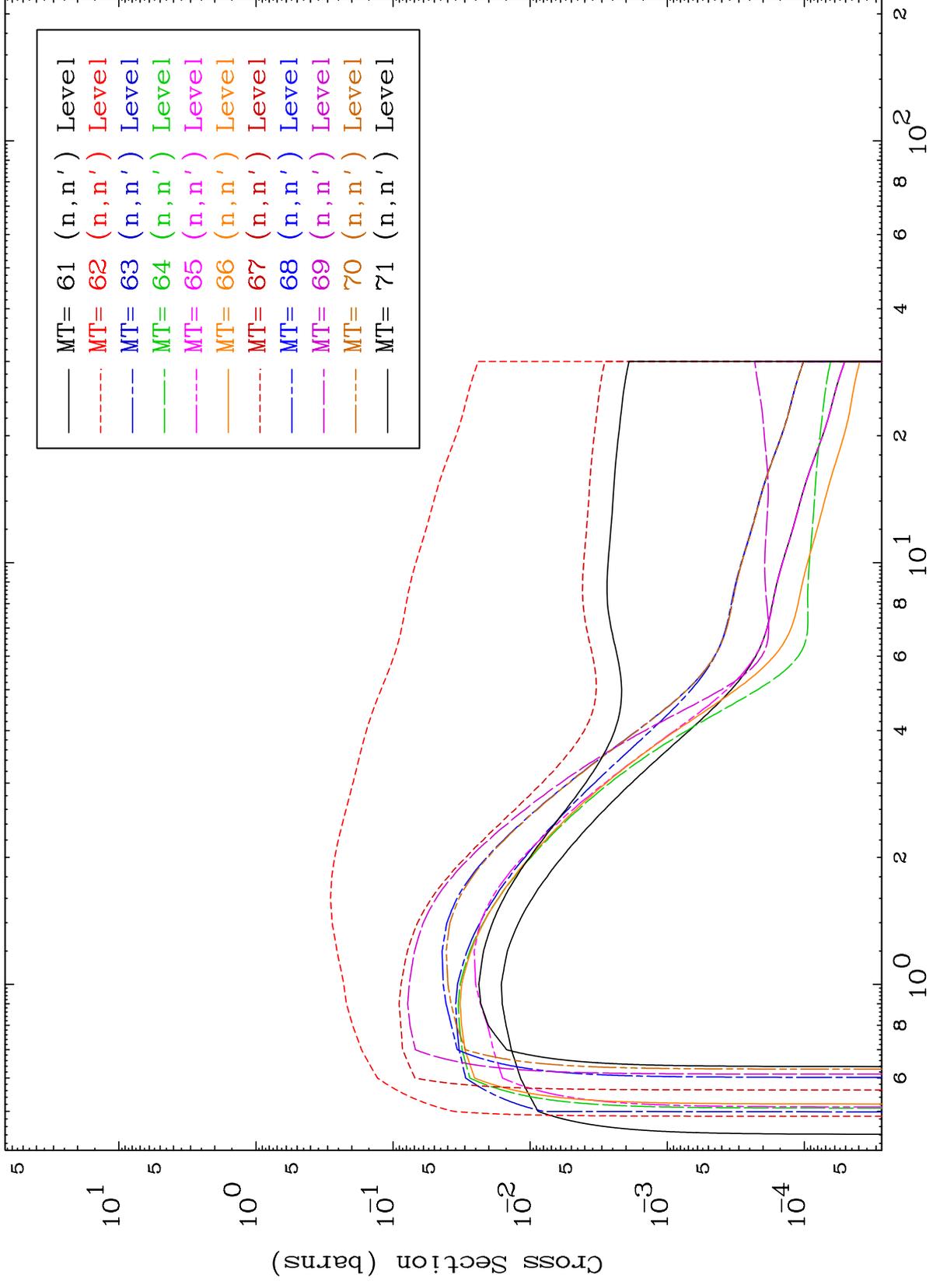


MAT 5858

(n,n') Level

58-Ce-147

293 Kelvin Cross Sections

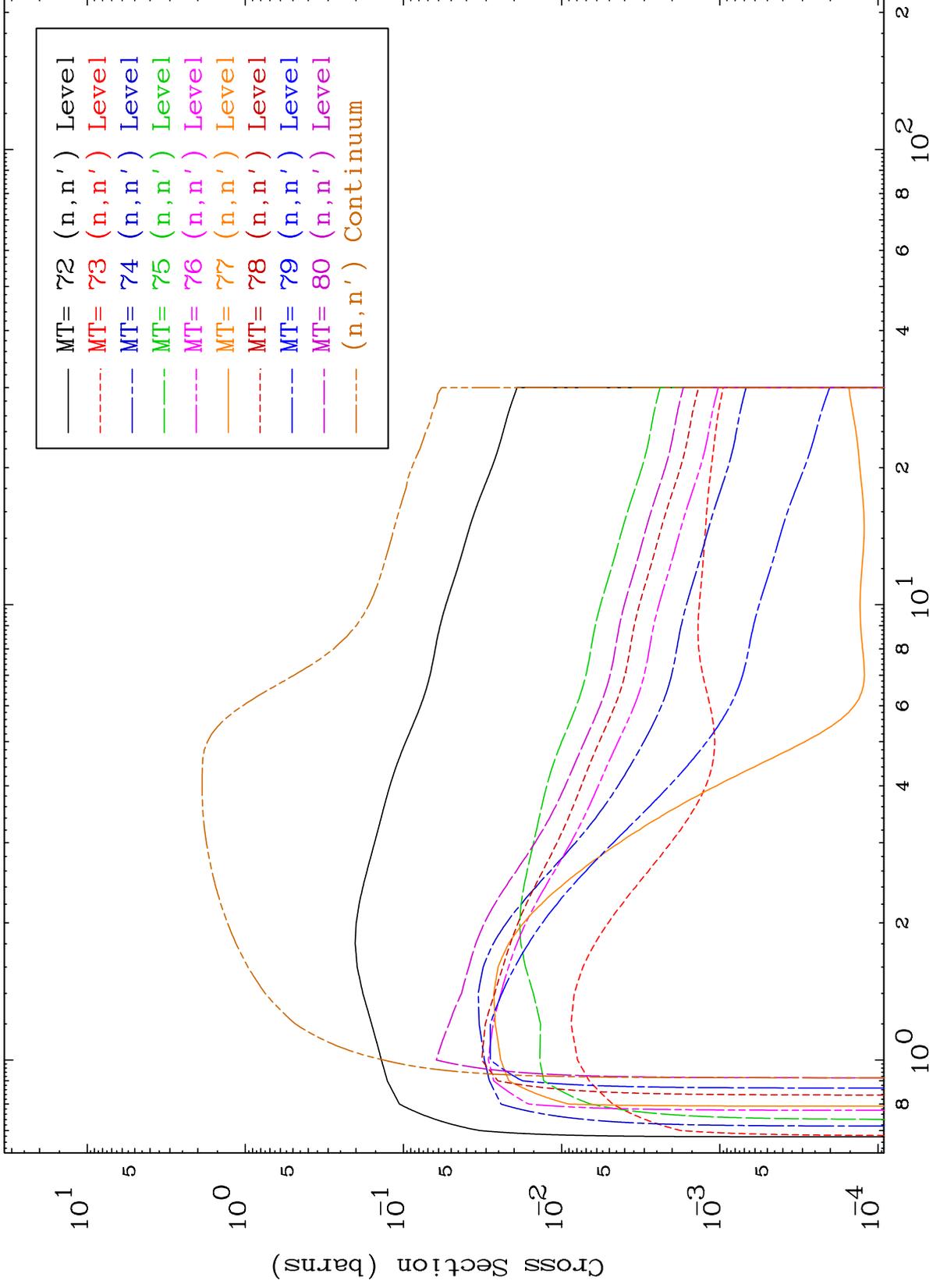


Incident Energy (MeV)

58-Ce-147

8

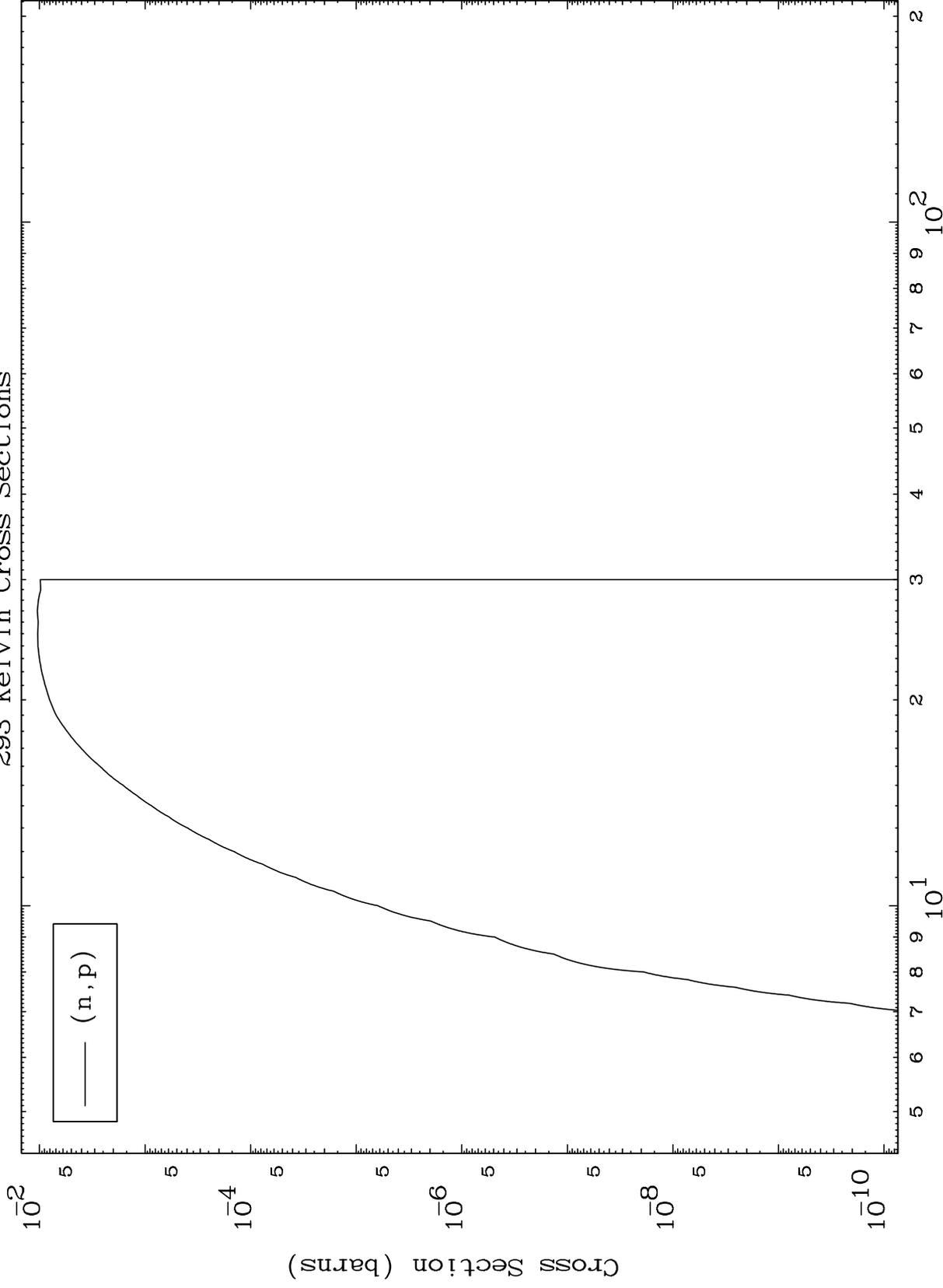
293 Kelvin Cross Sections



MAT 5858

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-147



10

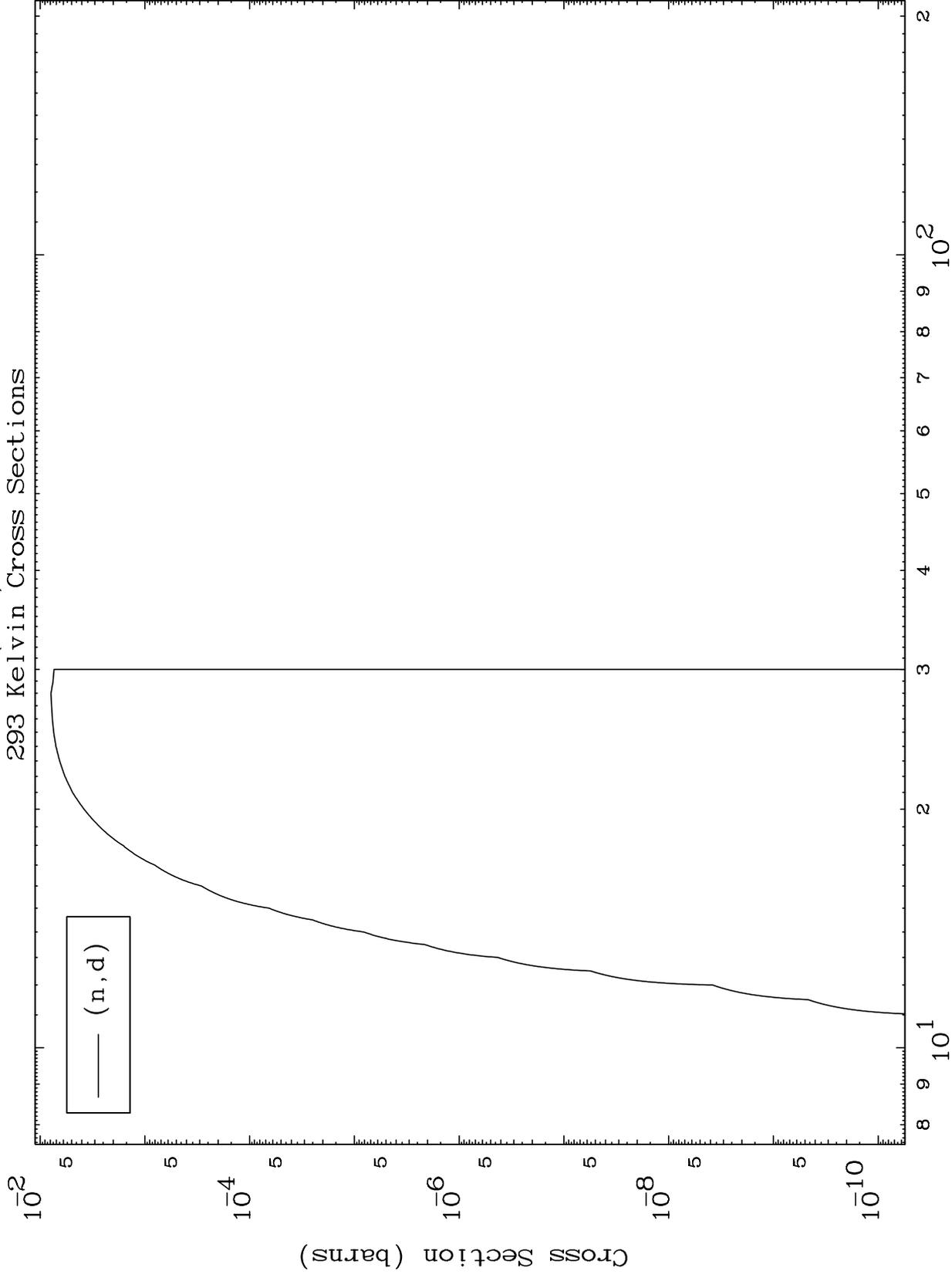
Incident Energy (MeV)

58-Ce-147

MAT 5858

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-147



11

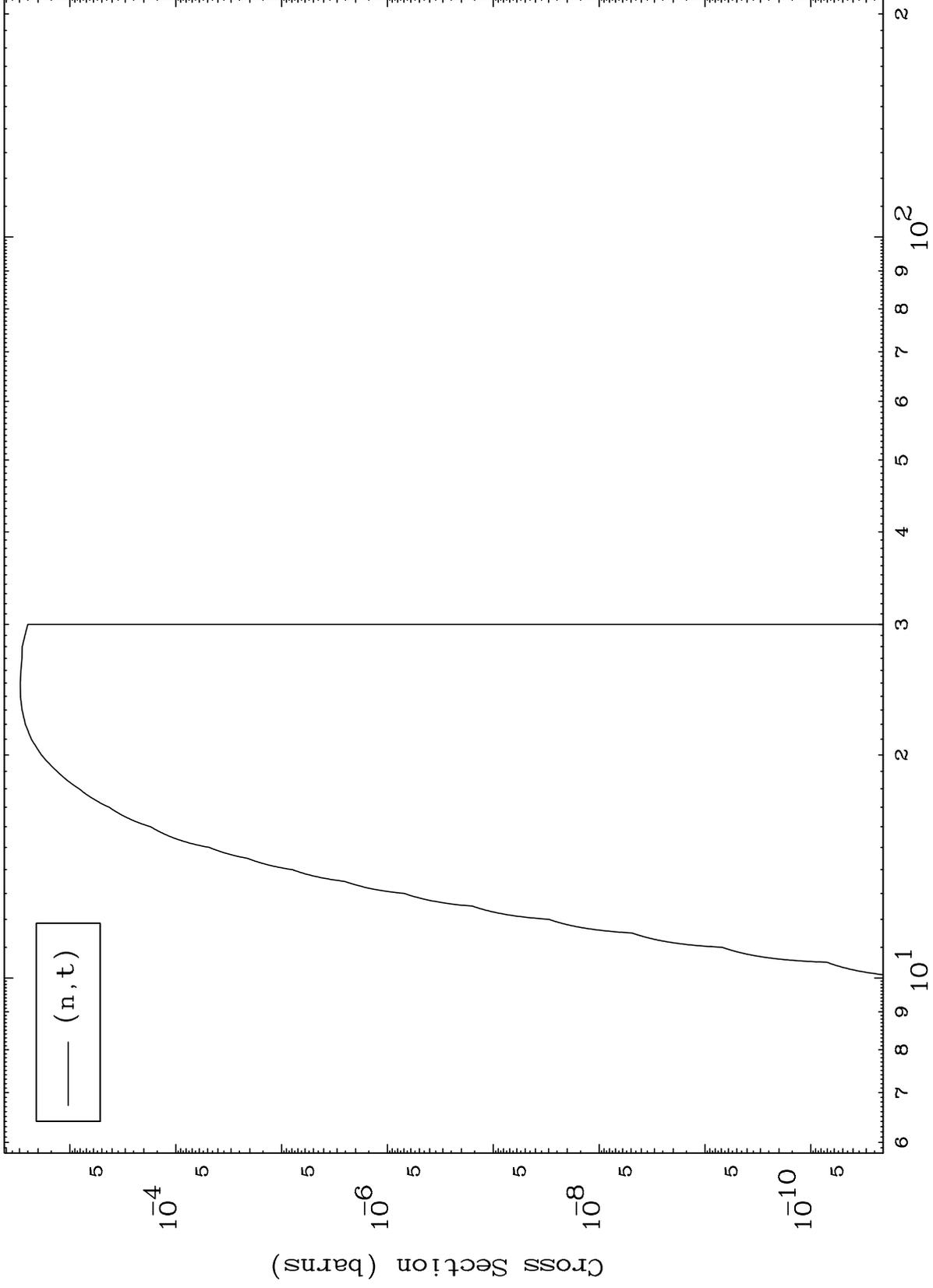
Incident Energy (MeV)

58-Ce-147

MAT 5858

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-147



12

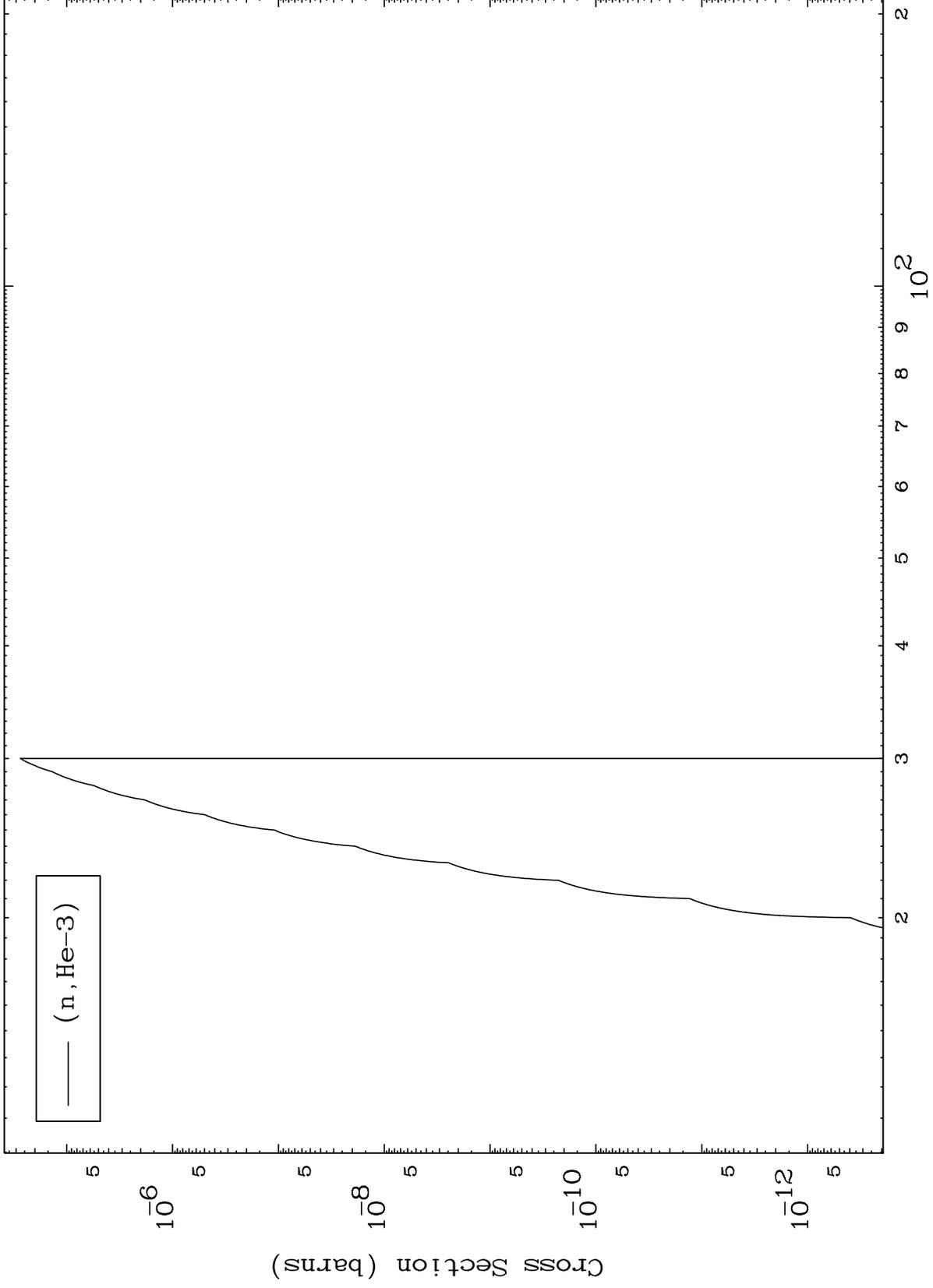
Incident Energy (MeV)

58-Ce-147

MAT 5858

(n,He3) Levels
293 Kelvin Cross Sections

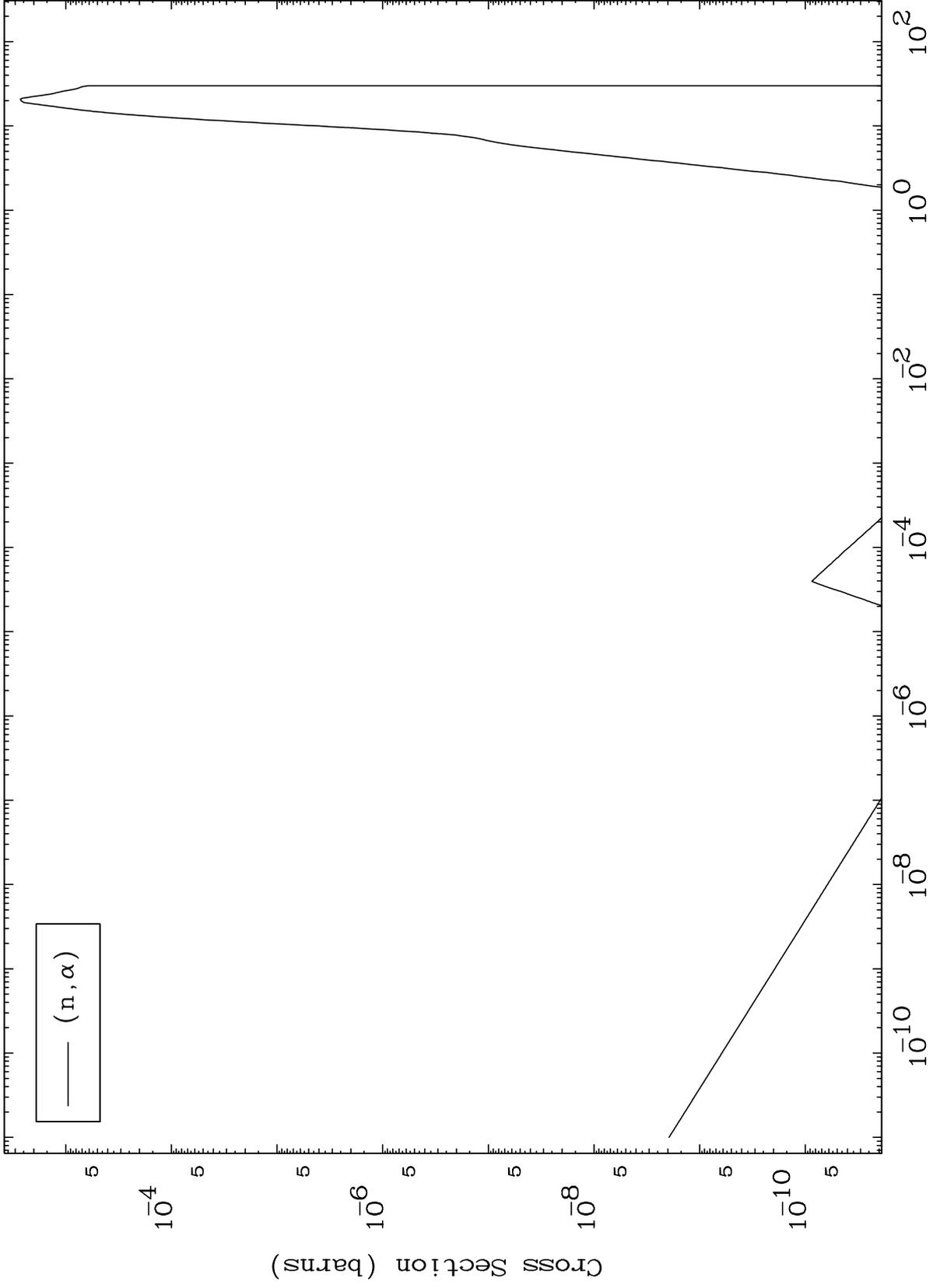
58-Ce-147

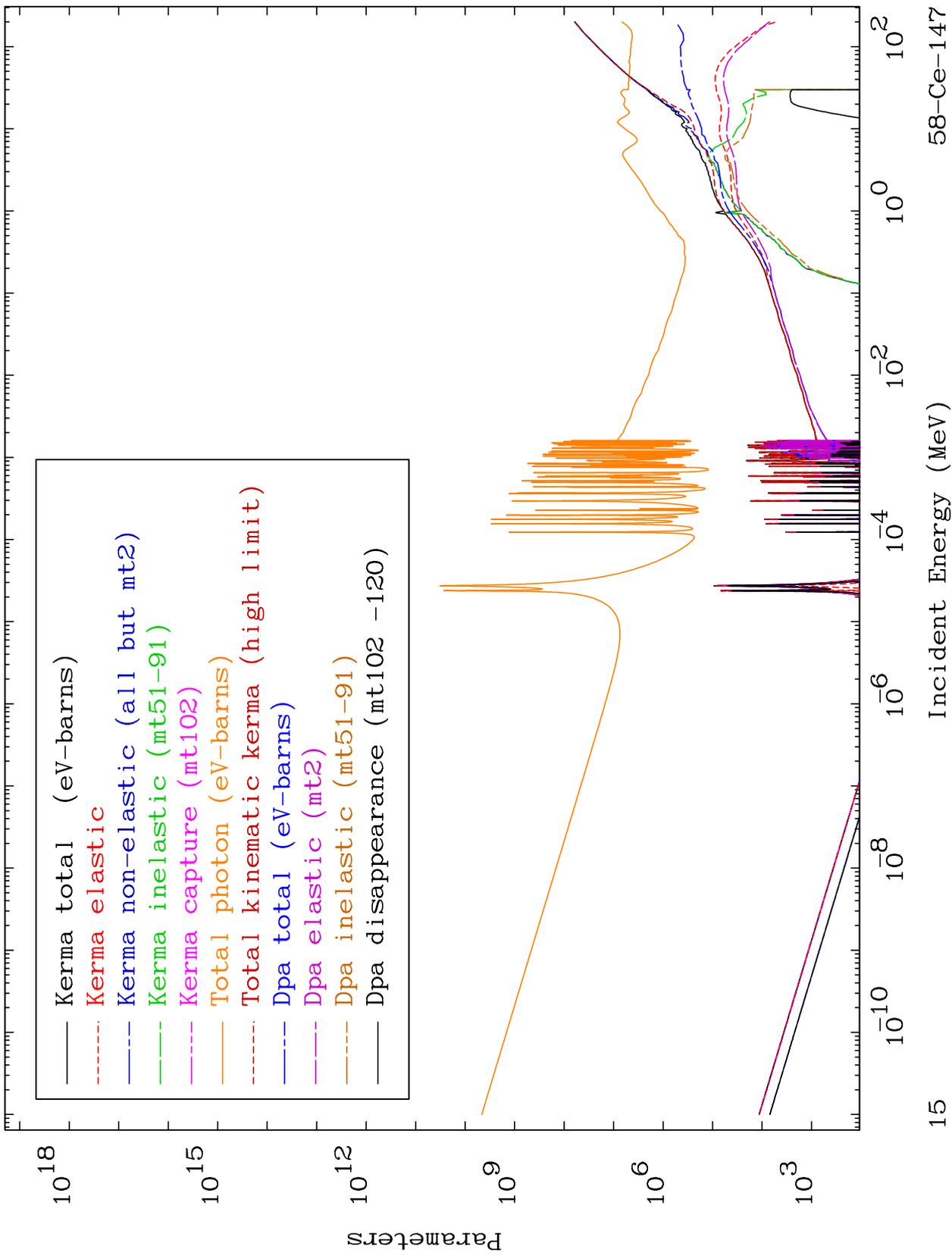


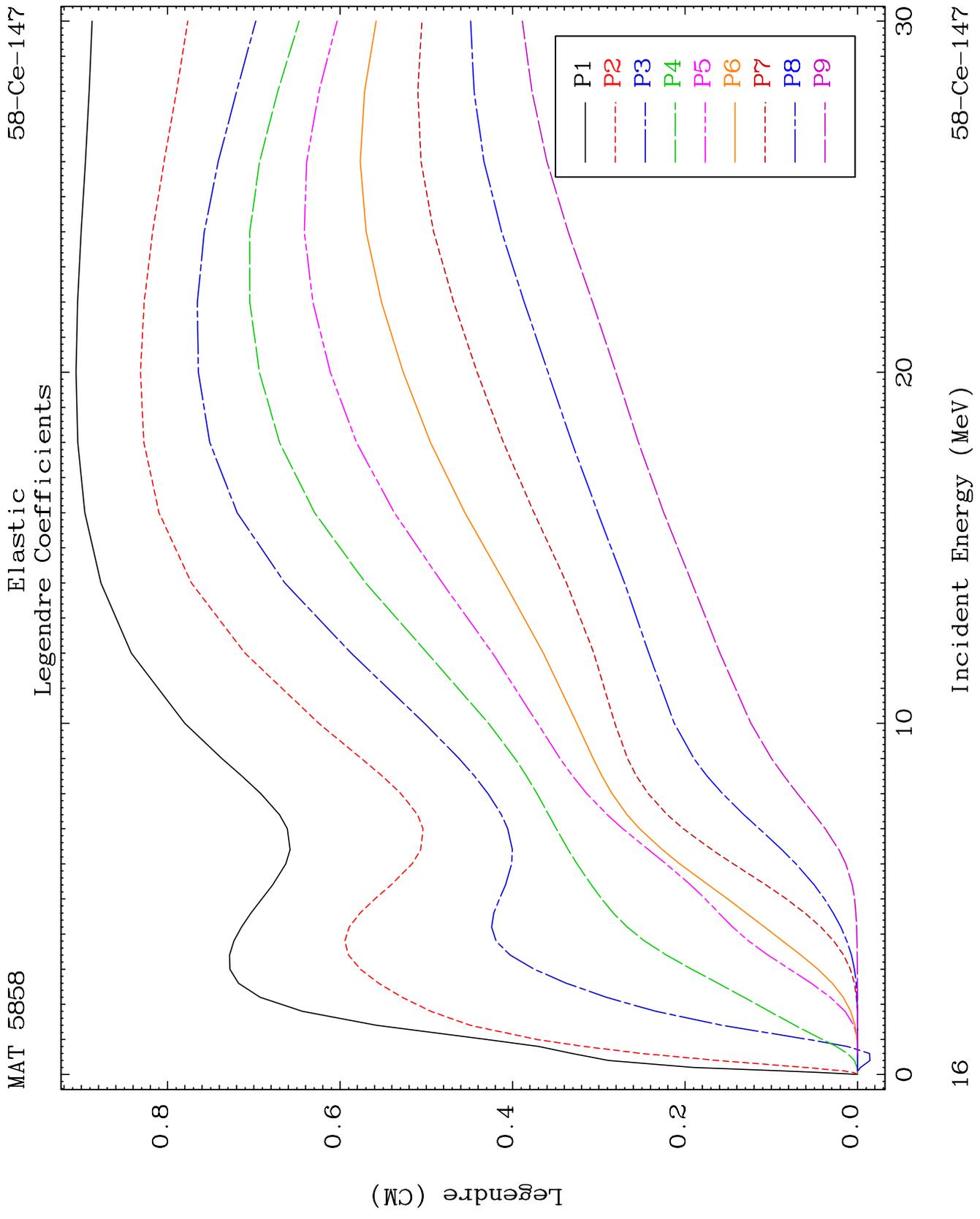
MAT 5858

(n, α) Levels
293 Kelvin Cross Sections

58-Ce-147



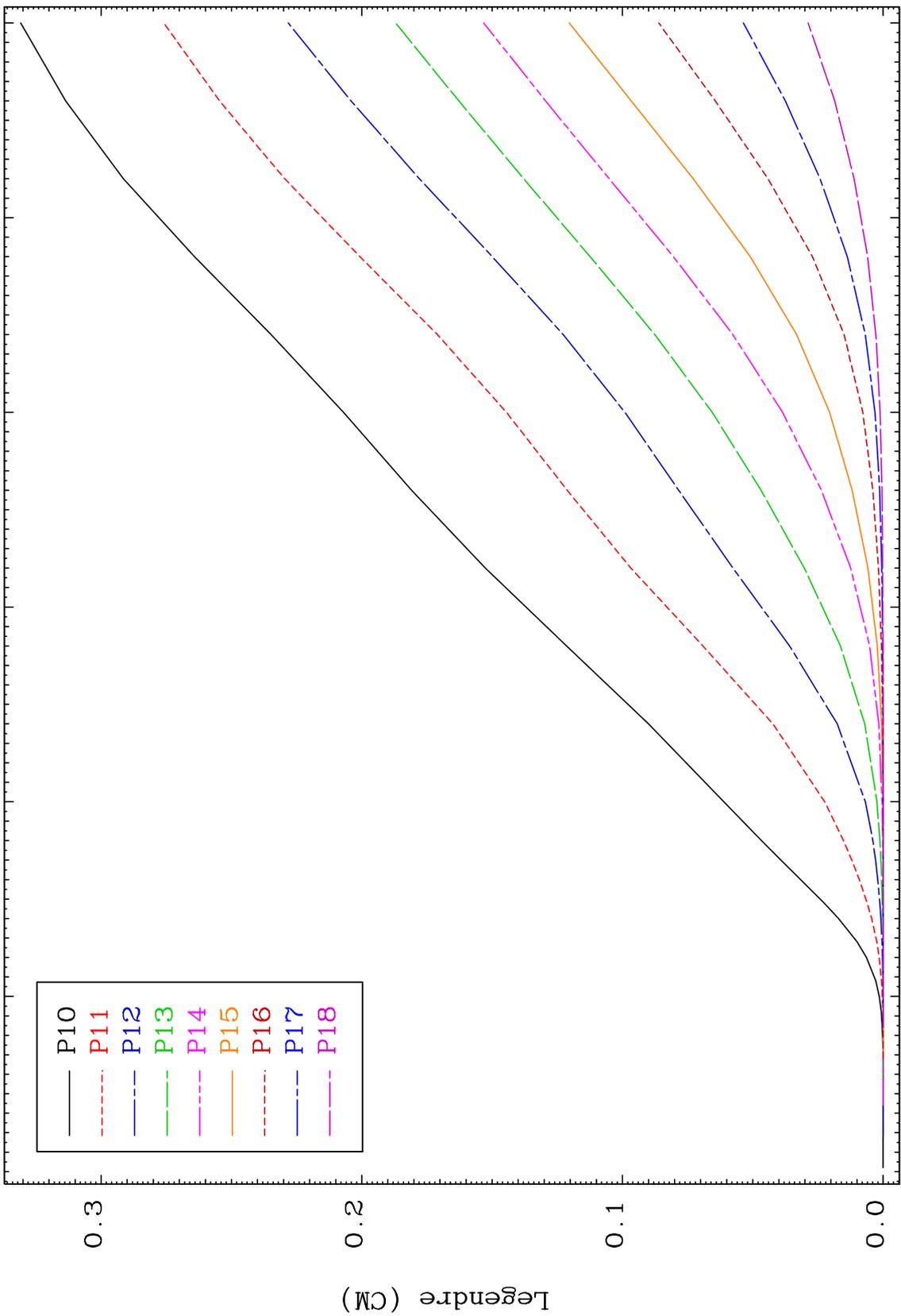




MAT 5858

Elastic Legendre Coefficients

58-Ce-147



17

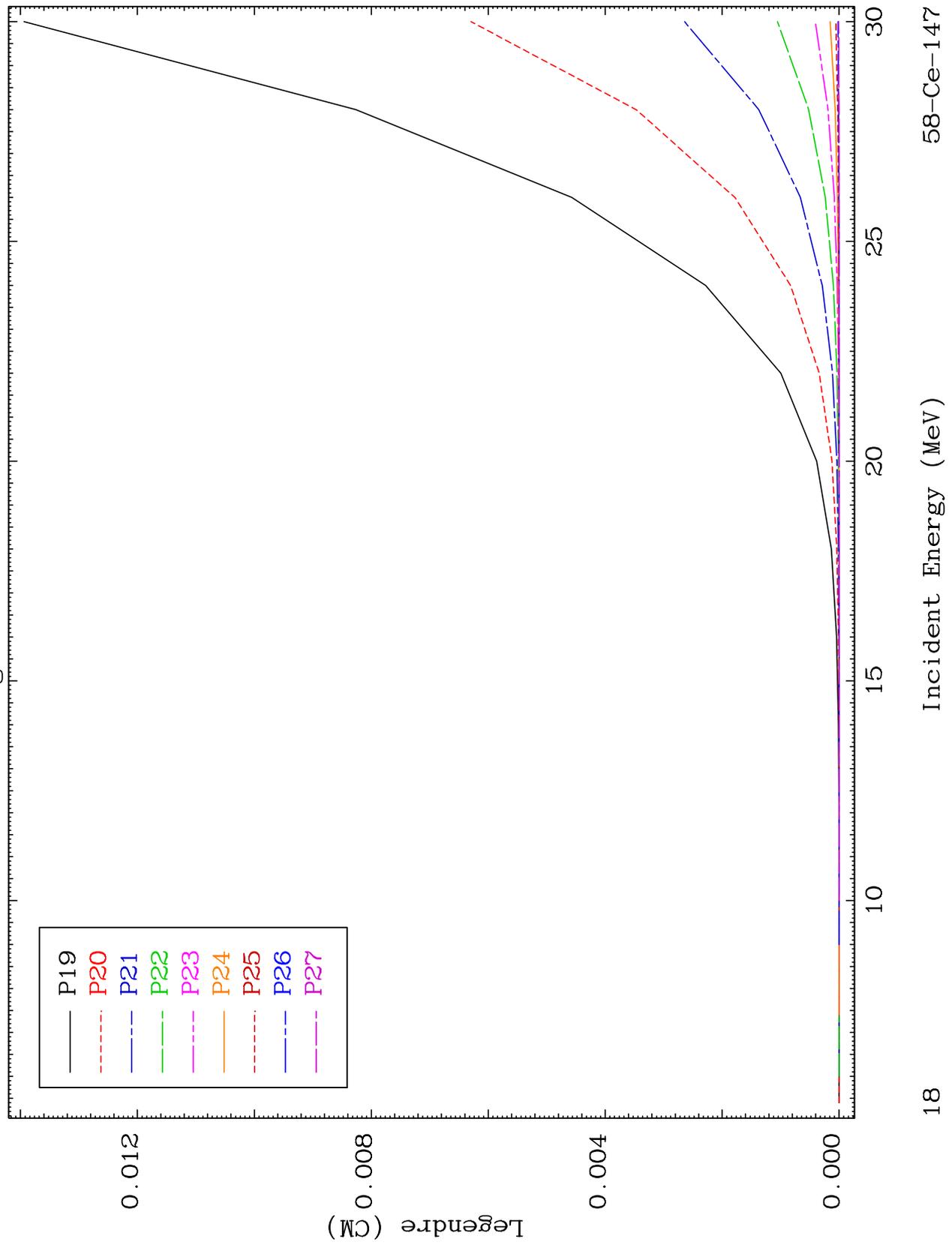
Incident Energy (MeV)

58-Ce-147

MAT 5858

Elastic Legendre Coefficients

58-Ce-147



18

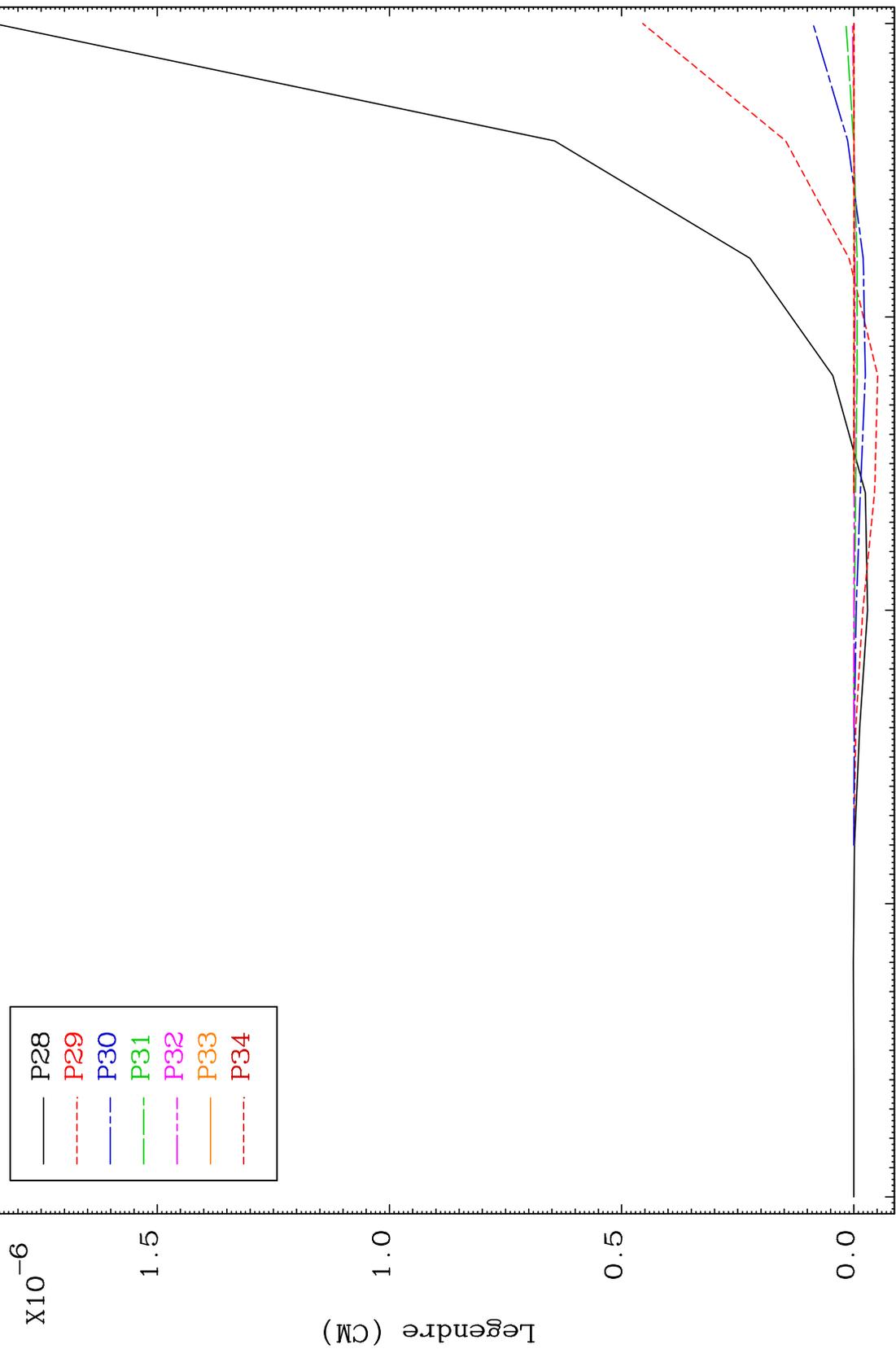
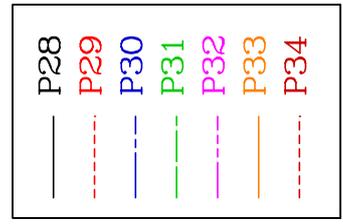
Incident Energy (MeV)

58-Ce-147

MAT 5858

Elastic Legendre Coefficients

58-Ce-147



19

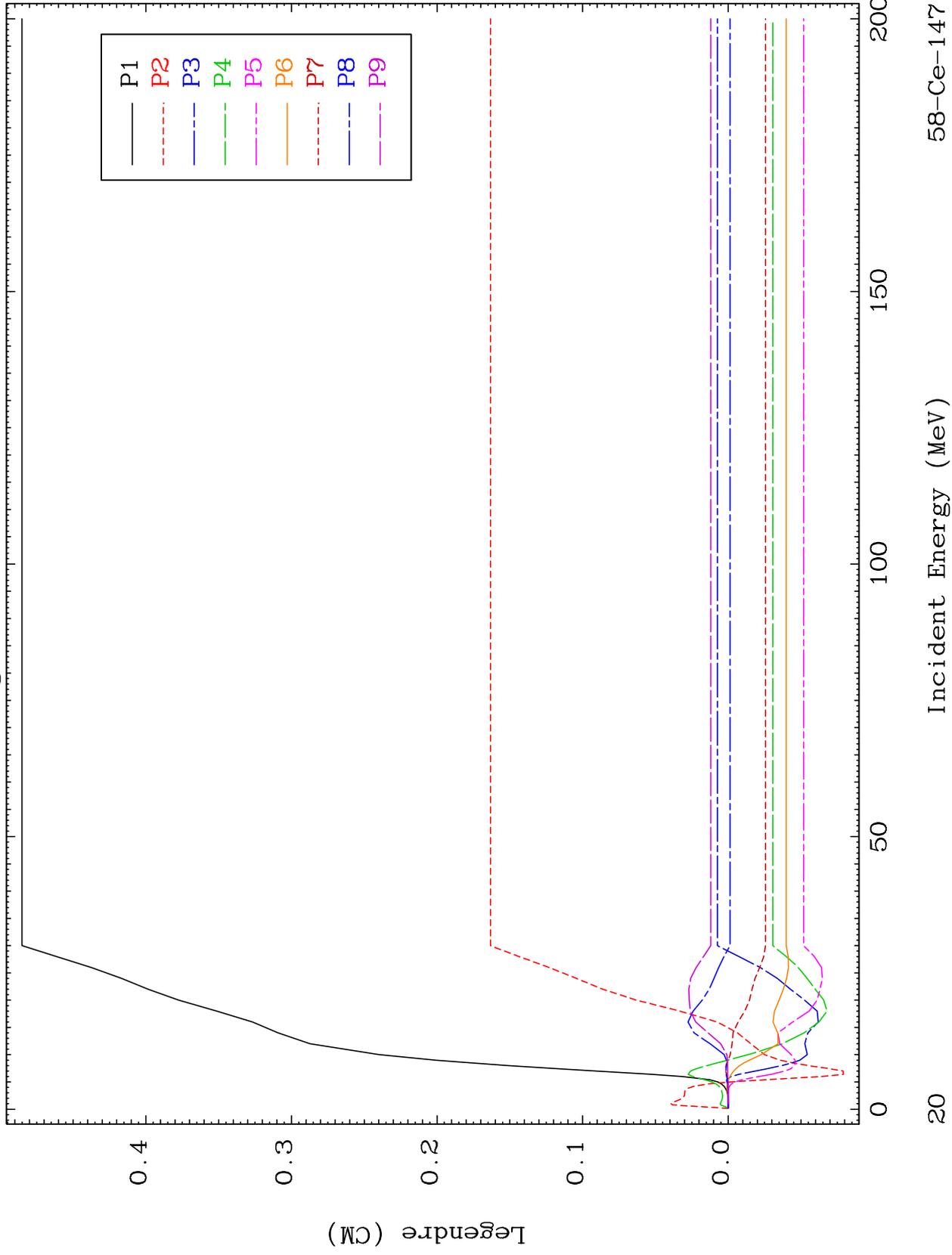
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

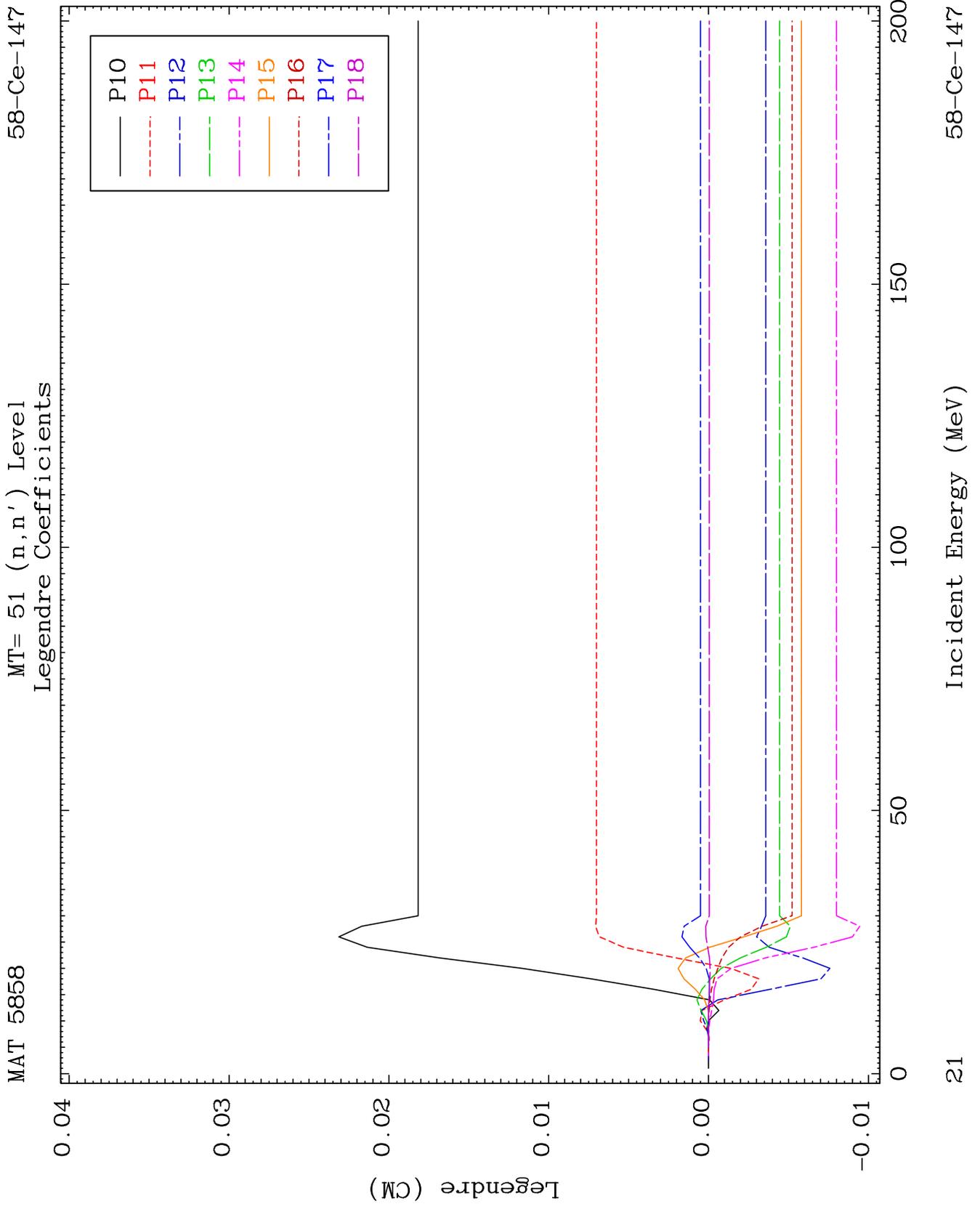
58-Ce-147



58-Ce-147

Incident Energy (MeV)

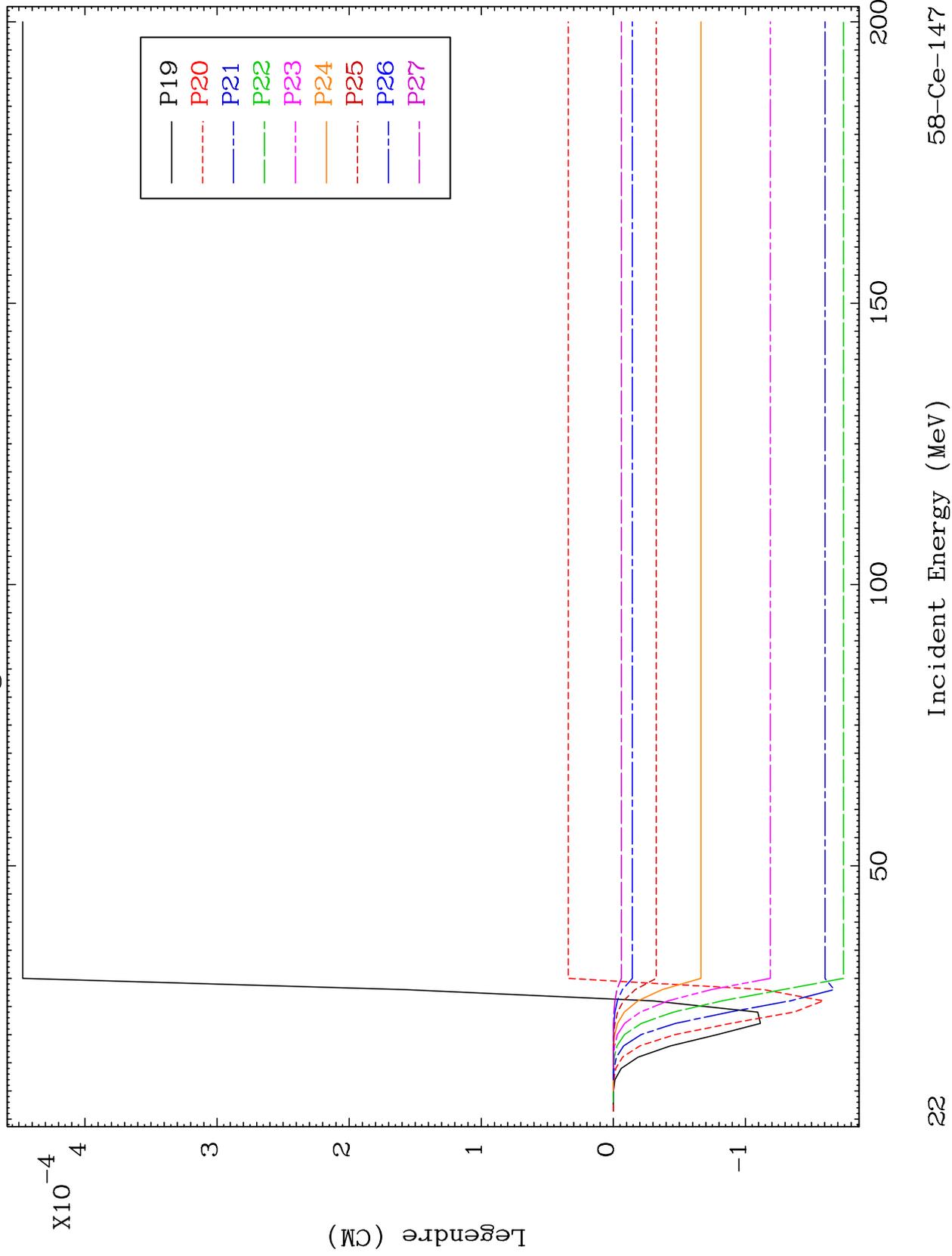
0



MAT 5858

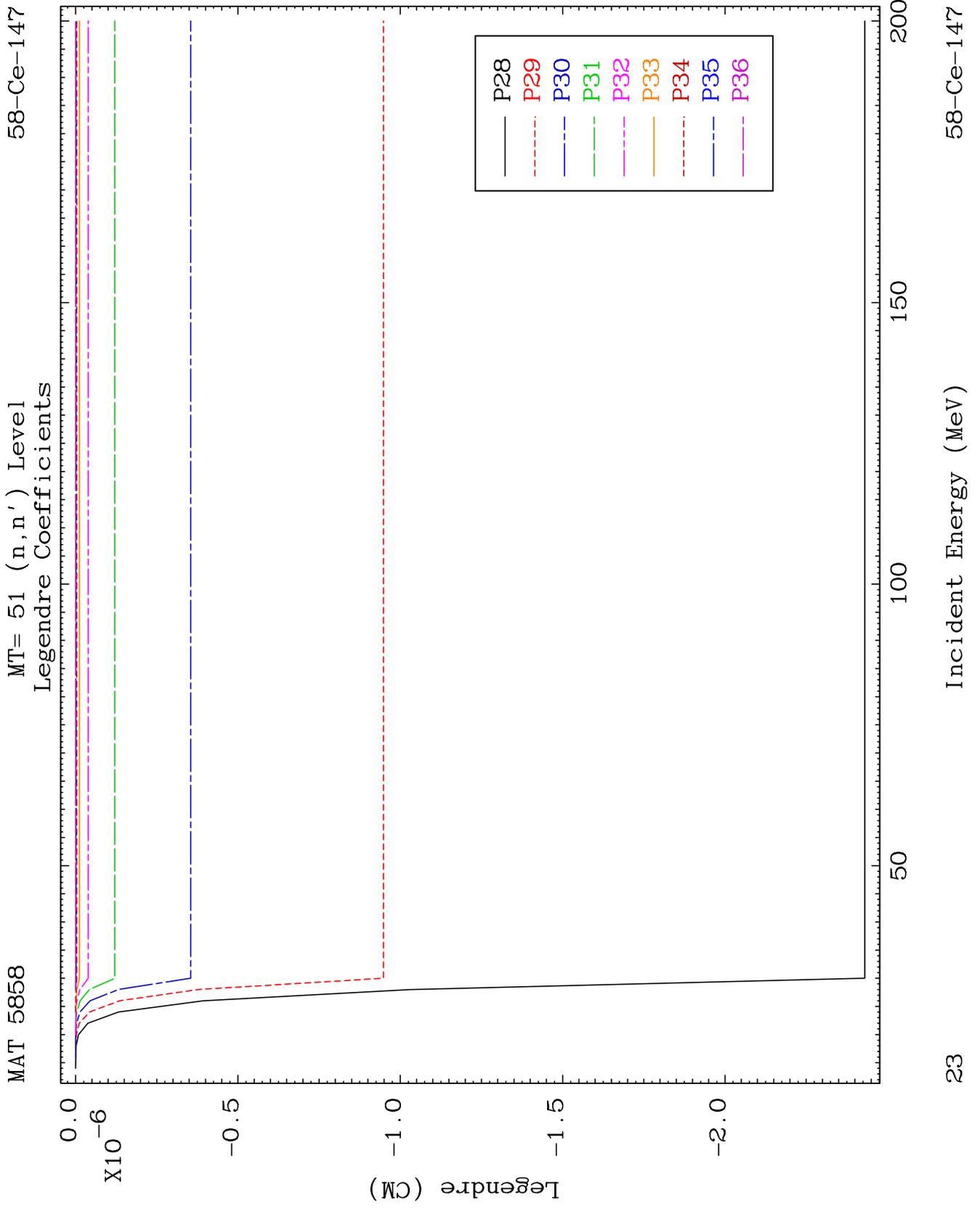
MT= 51 (n,n') Level
Legendre Coefficients

58-Ce-147



22

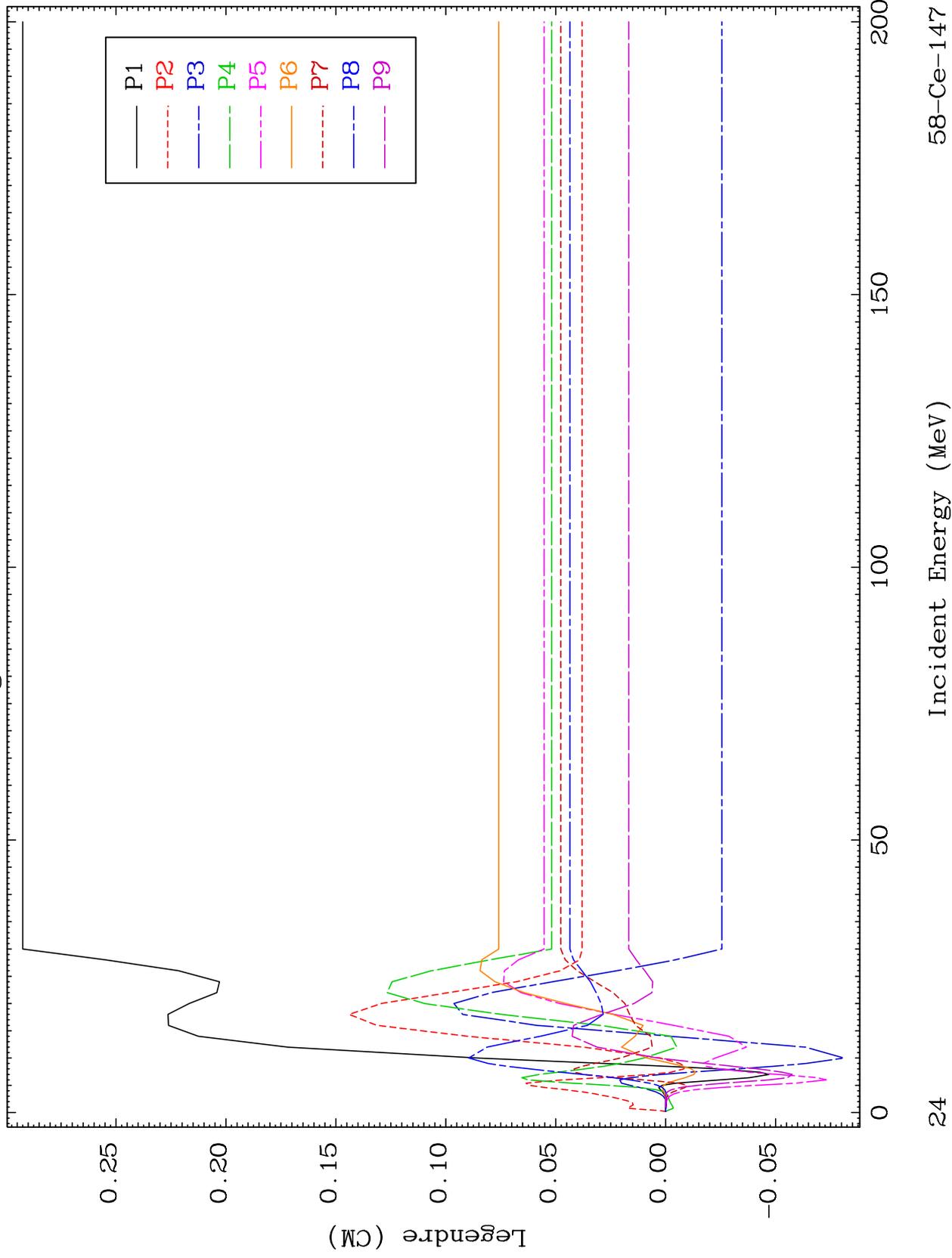
58-Ce-147



MAT 5858

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

58-Ce-147



58-Ce-147

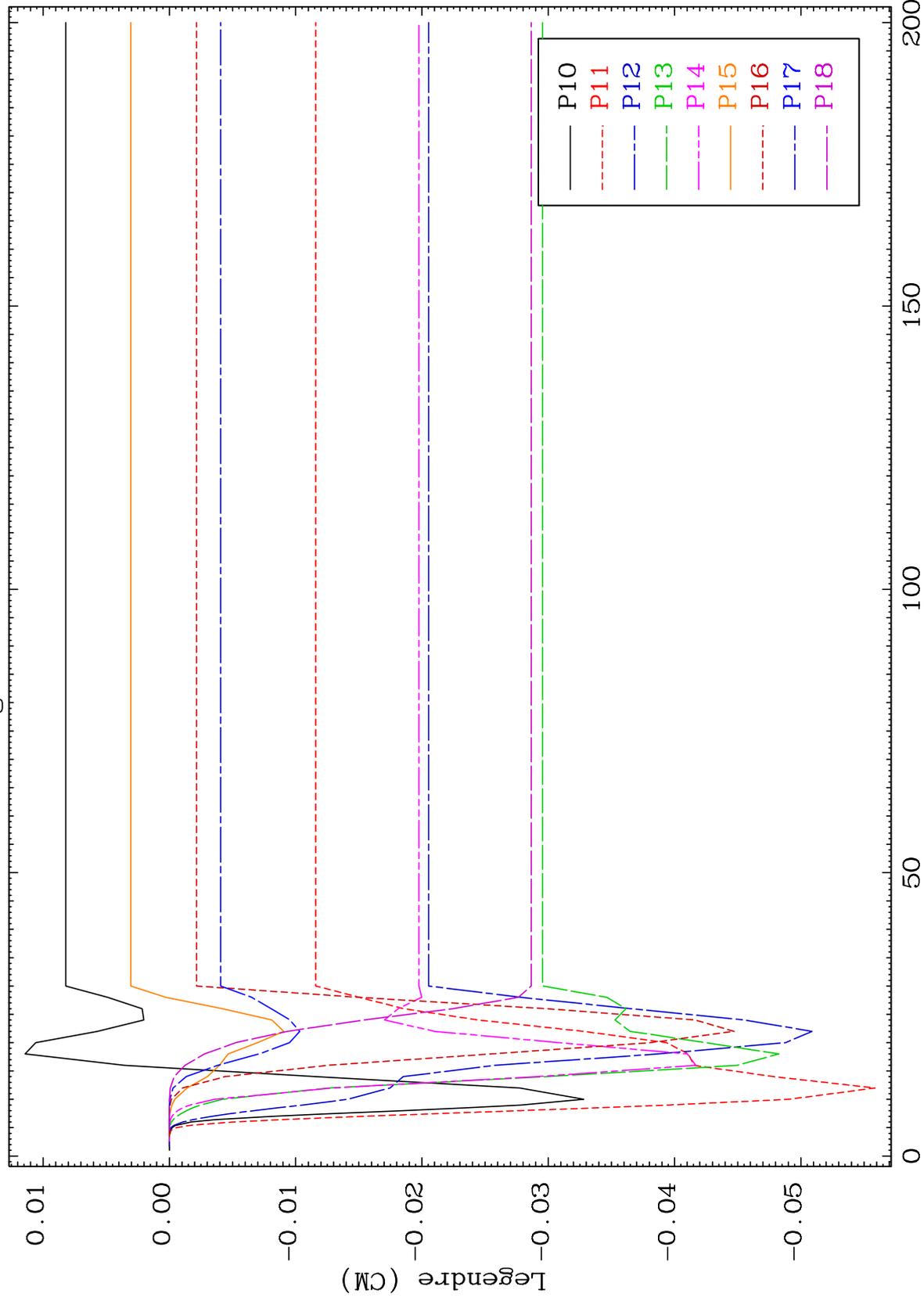
Incident Energy (MeV)

24

MAT 5858

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

58-Ce-147



58-Ce-147

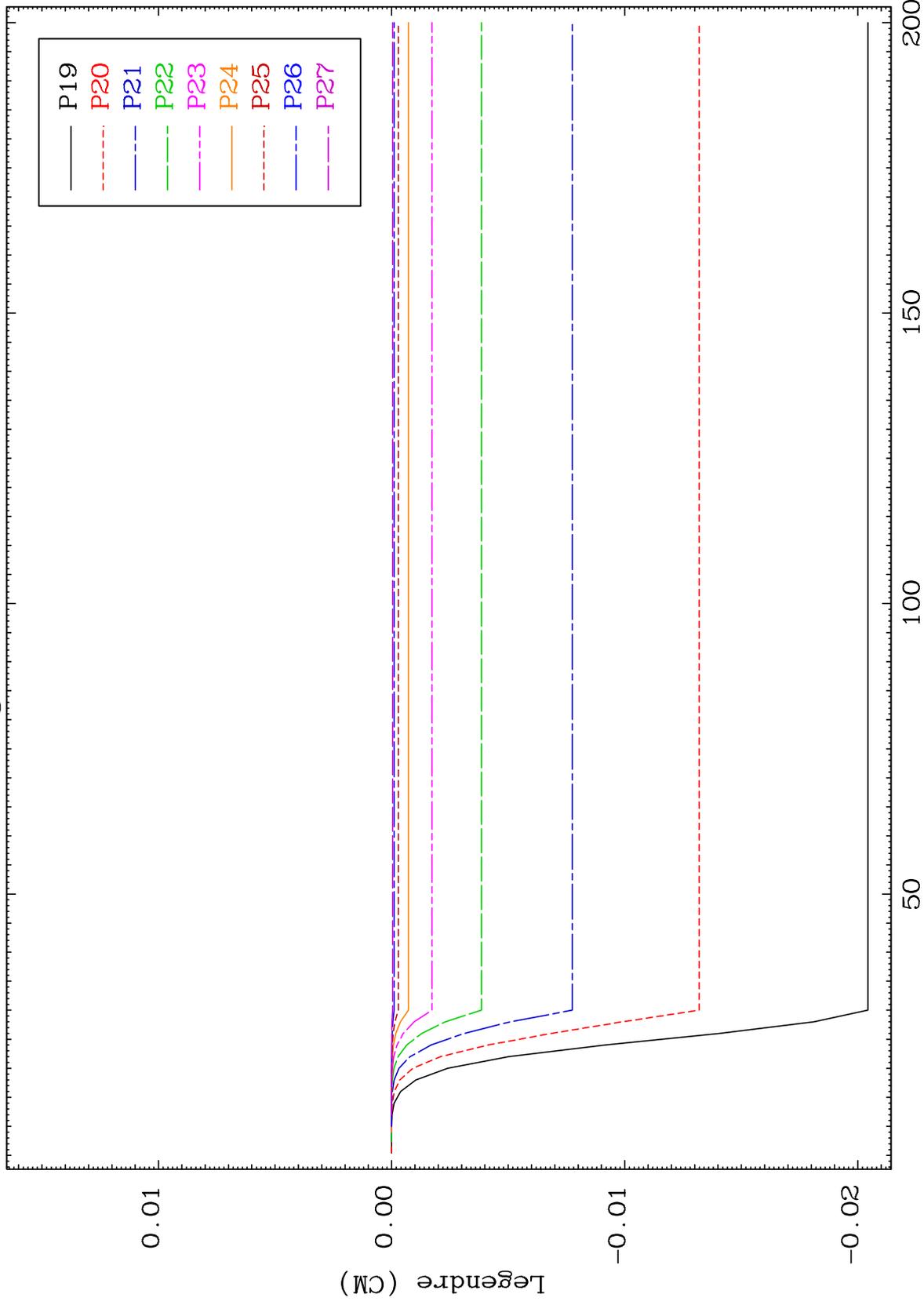
Incident Energy (MeV)

25

MAT 5858

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

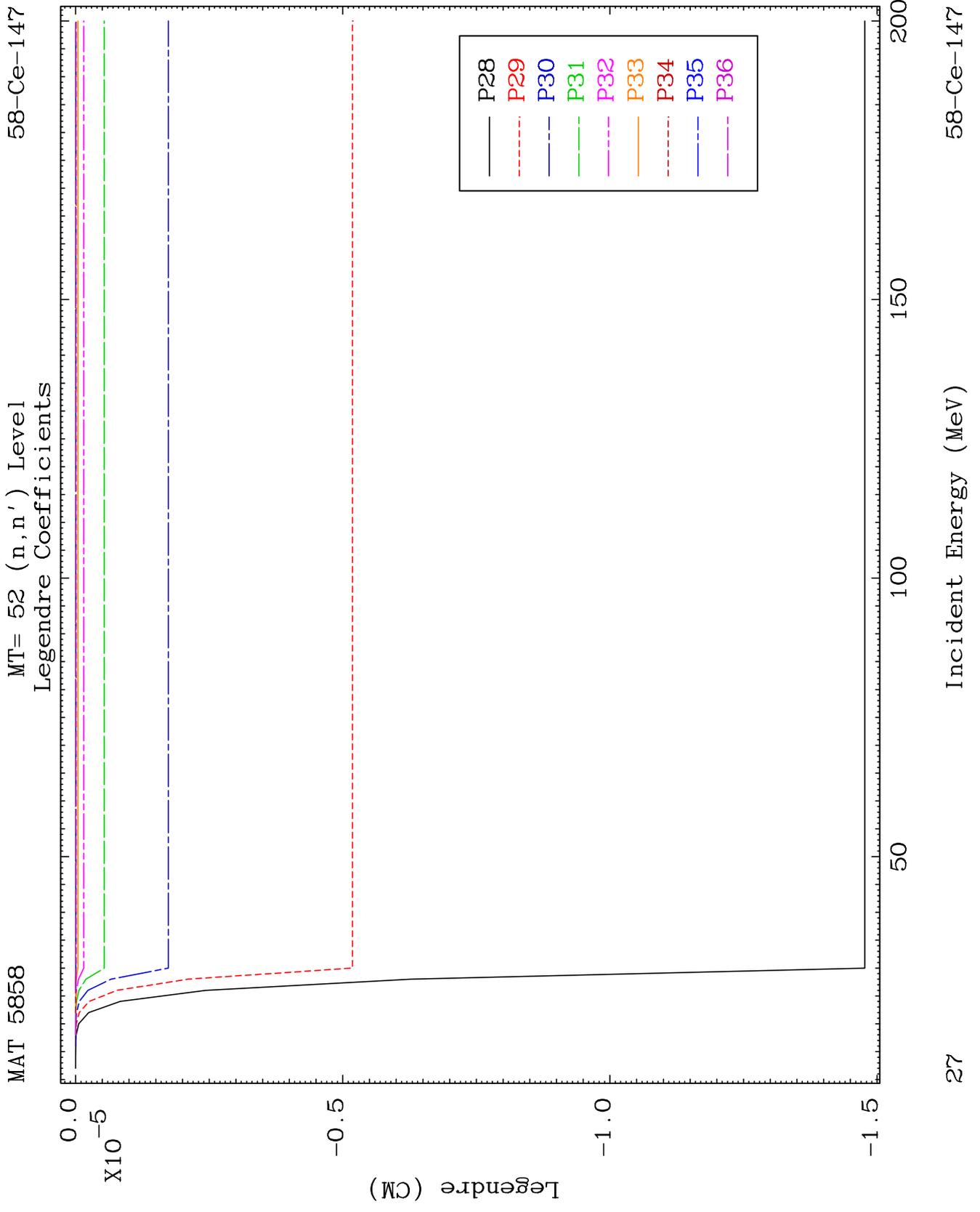
58-Ce-147



26

Incident Energy (MeV)

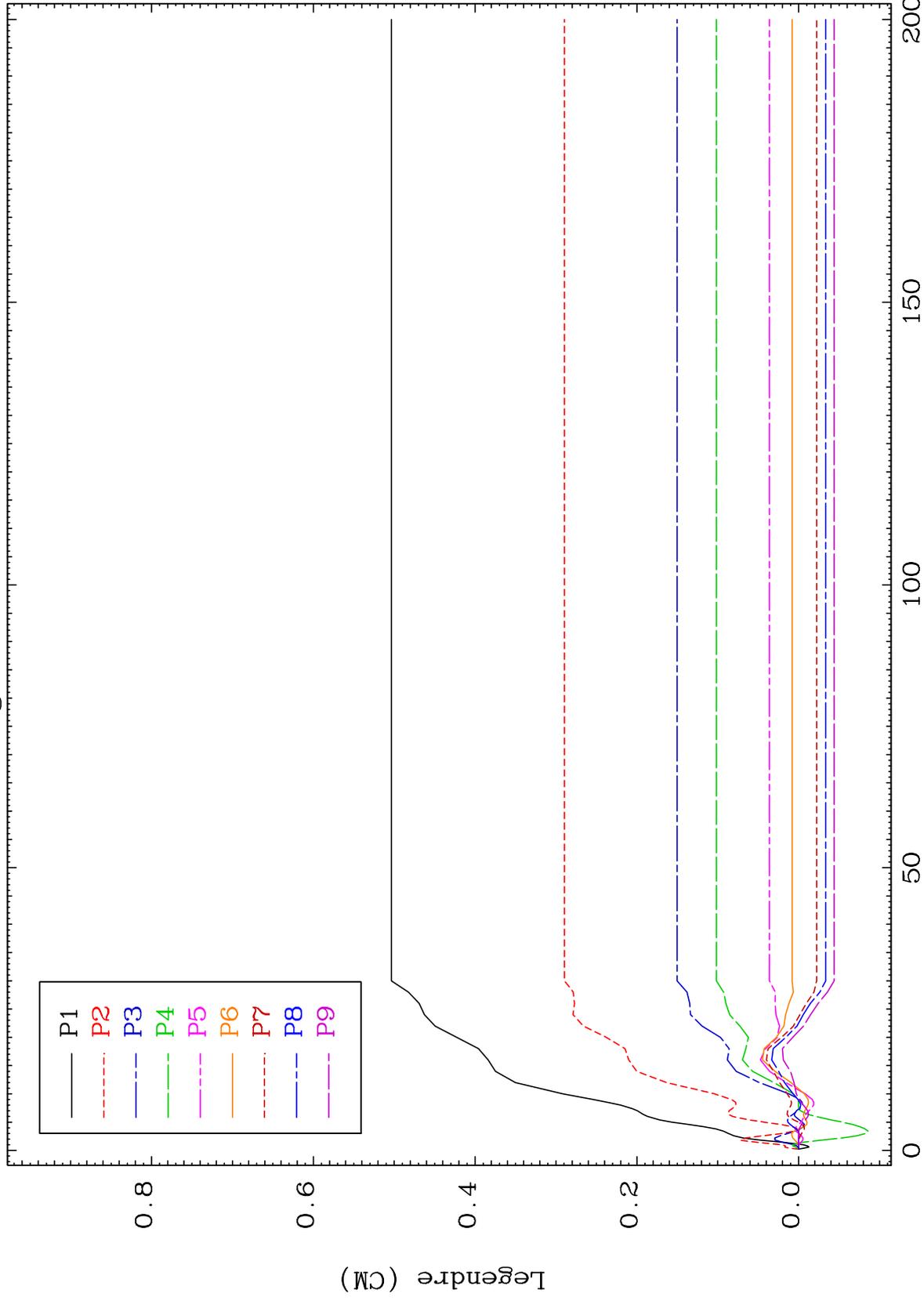
58-Ce-147



MAT 5858

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

58-Ce-147



28

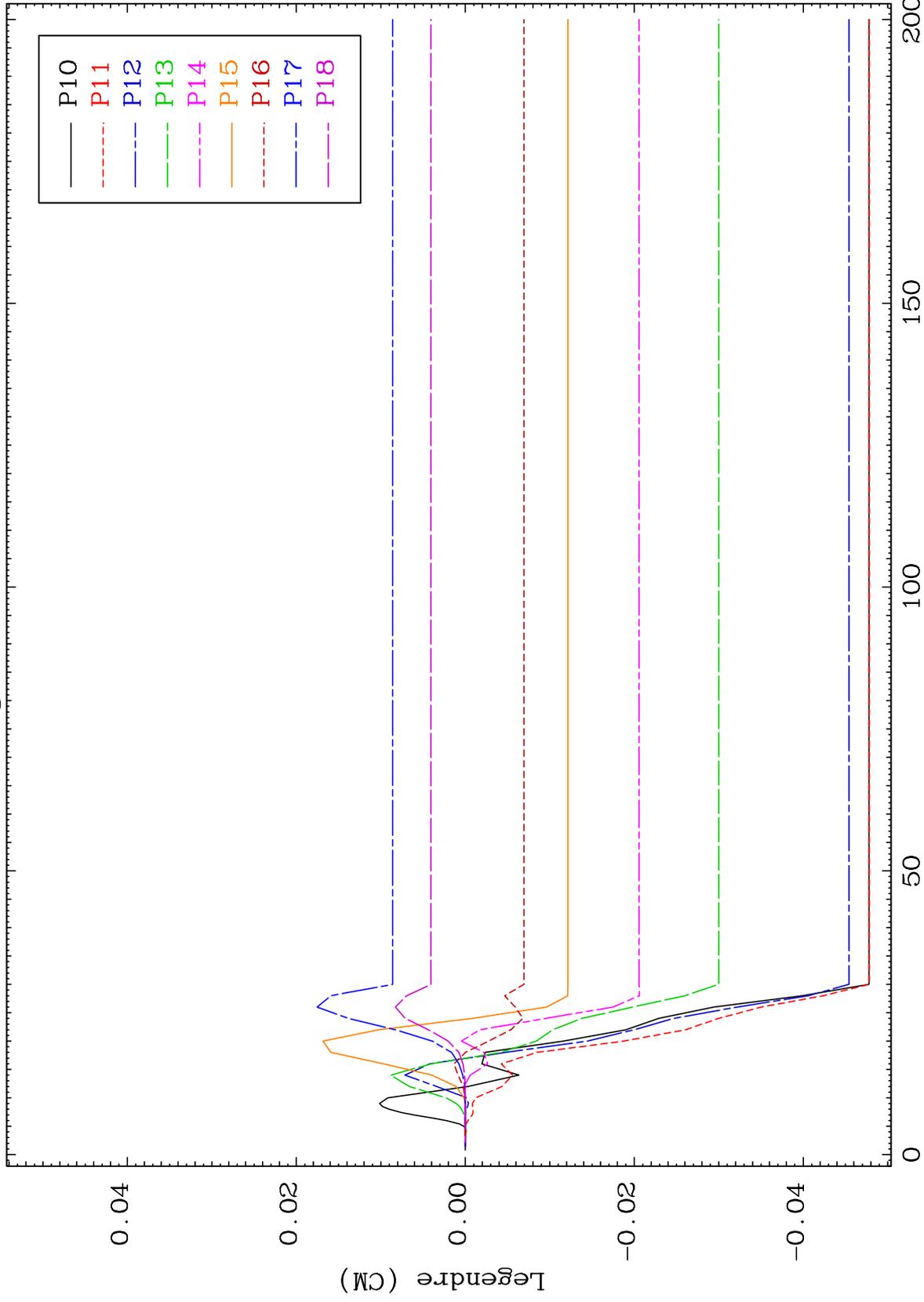
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



29

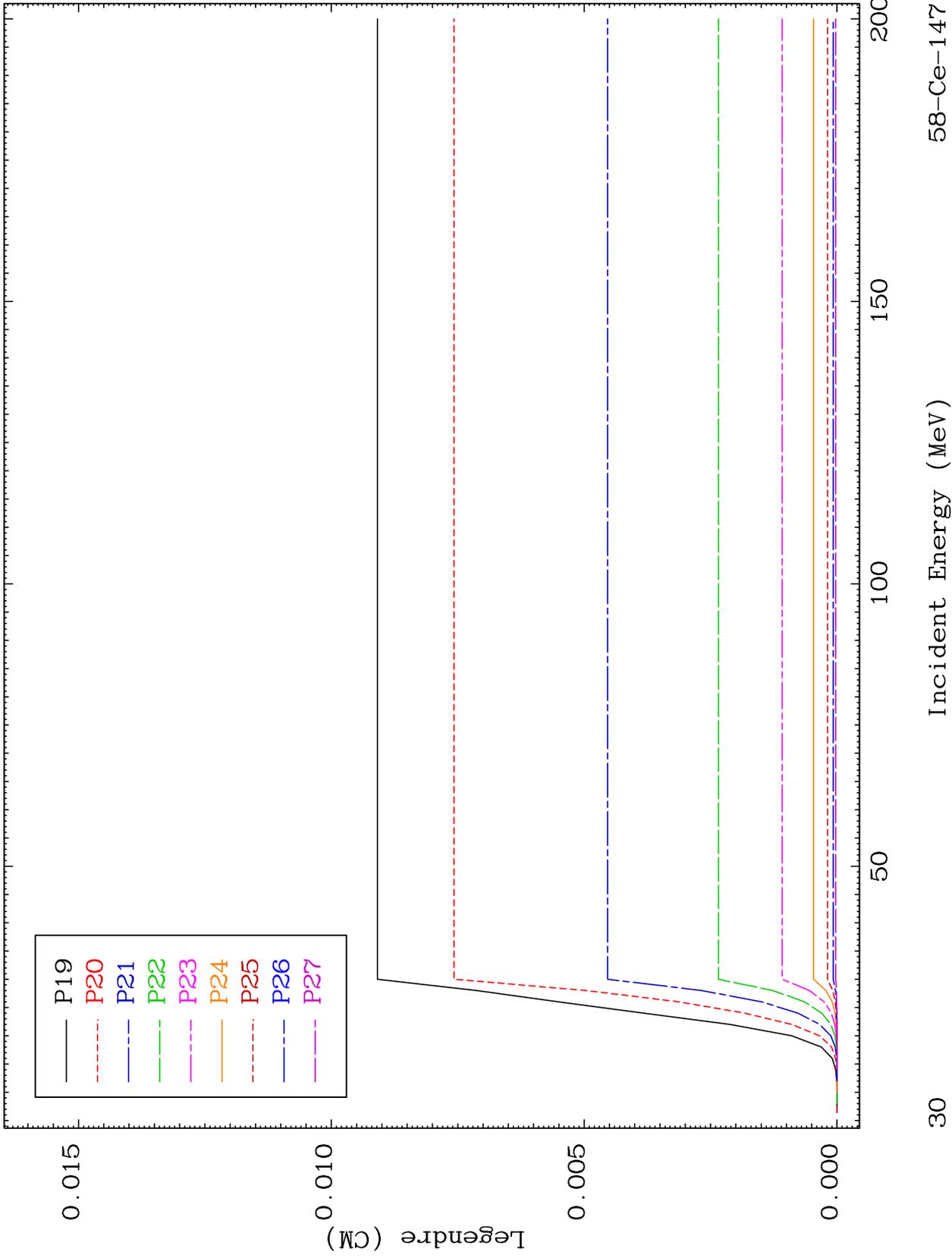
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

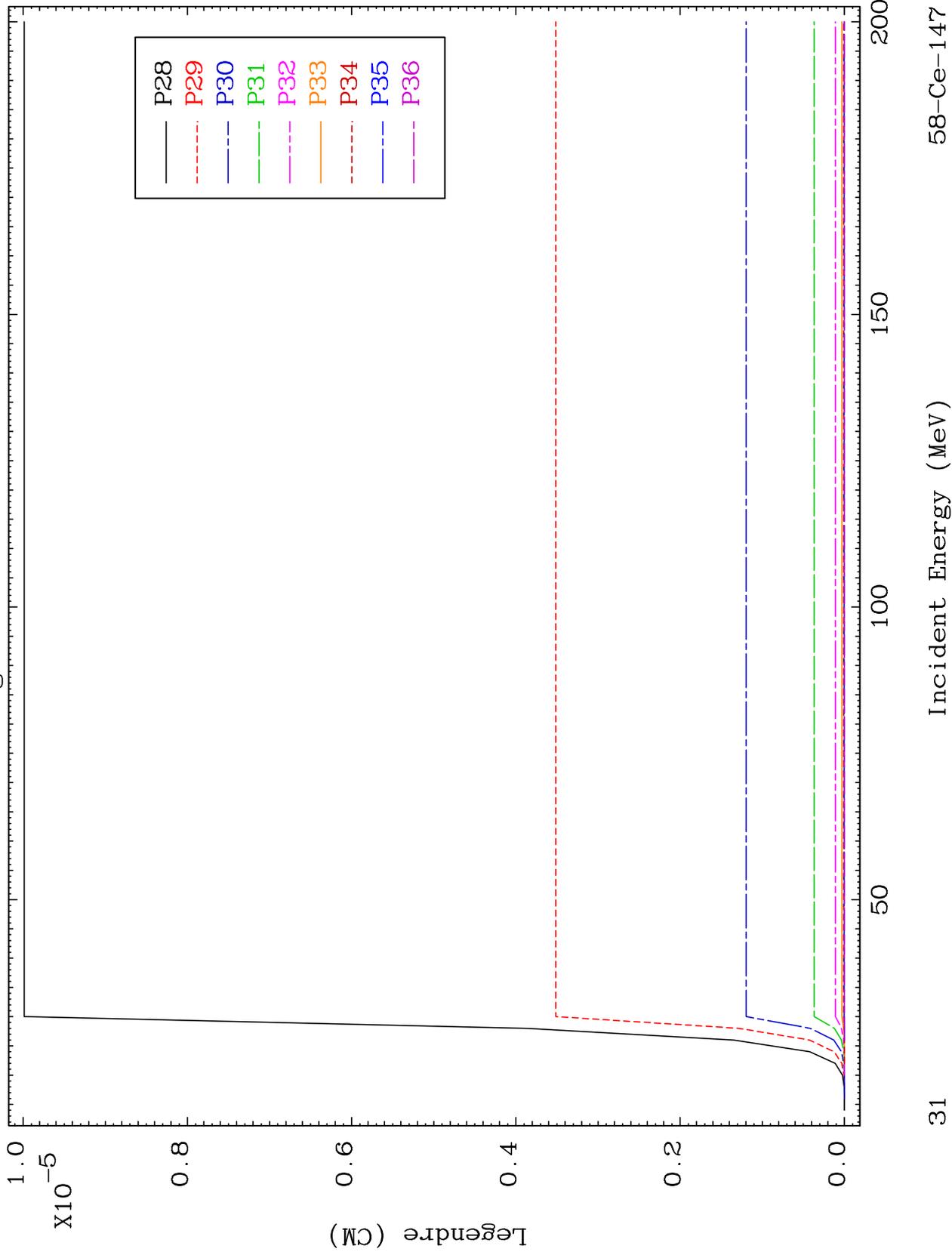
58-Ce-147



58-Ce-147

Incident Energy (MeV)

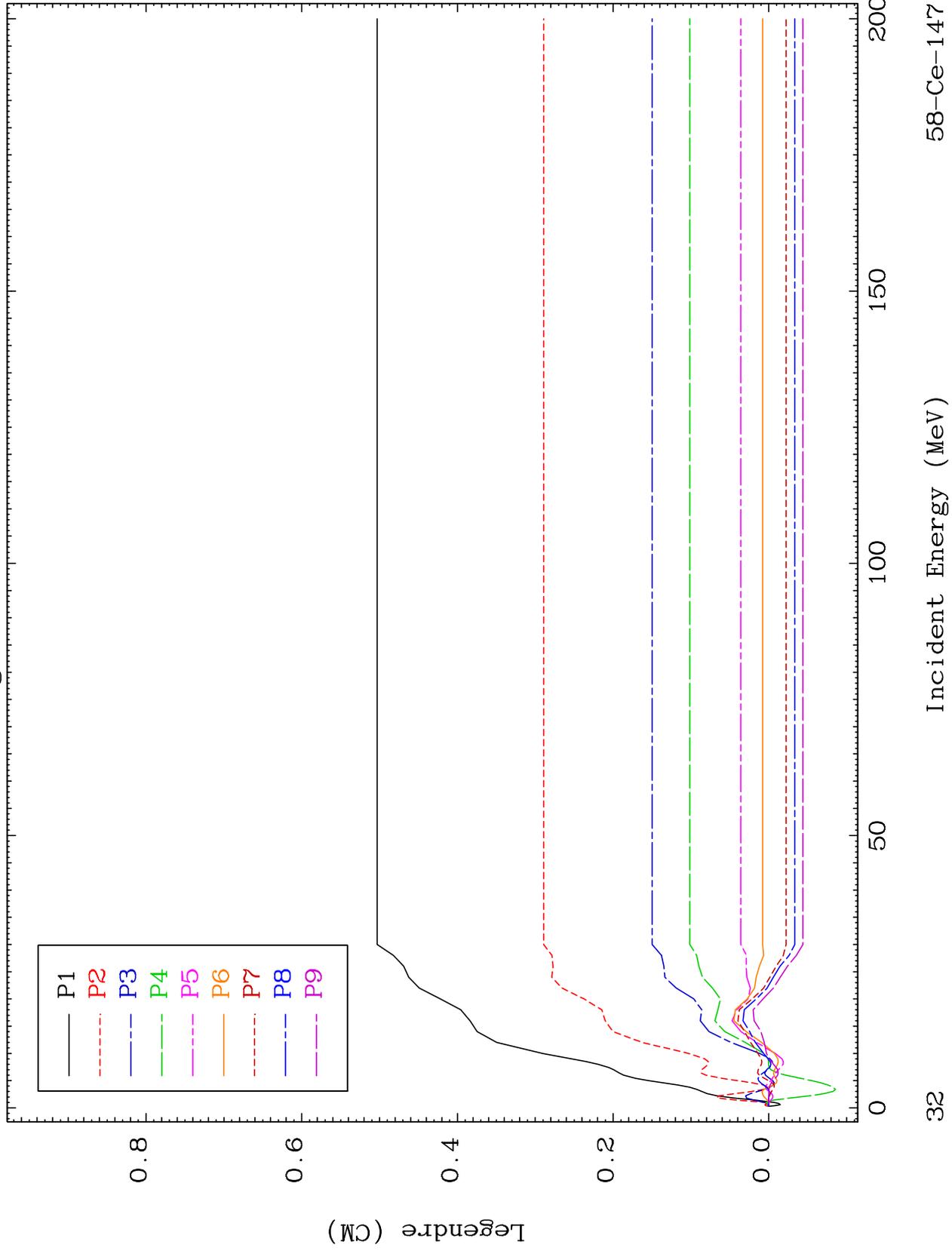
30



MAT 5858

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

58-Ce-147



58-Ce-147

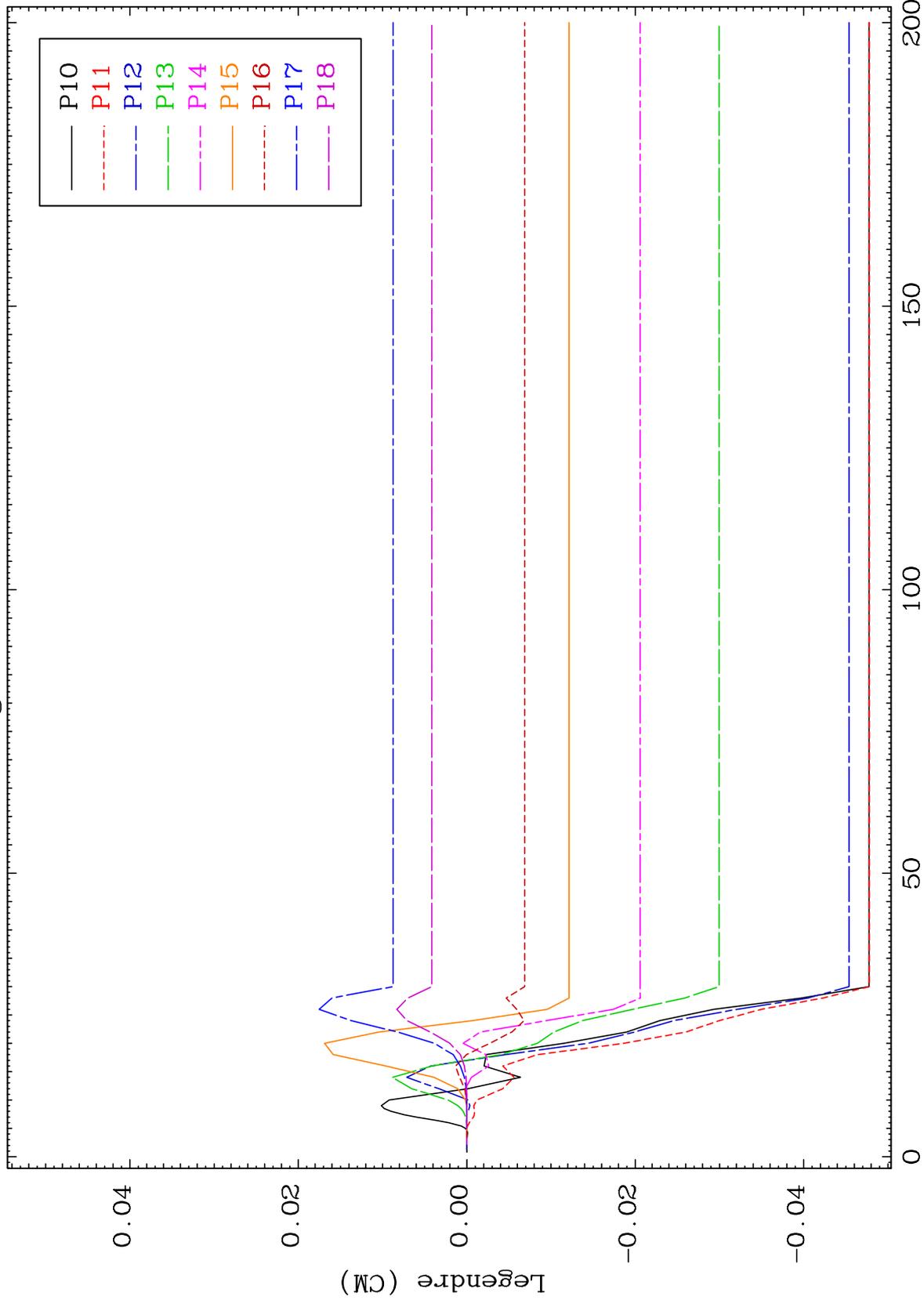
Incident Energy (MeV)

32

MAT 5858

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

58-Ce-147



33

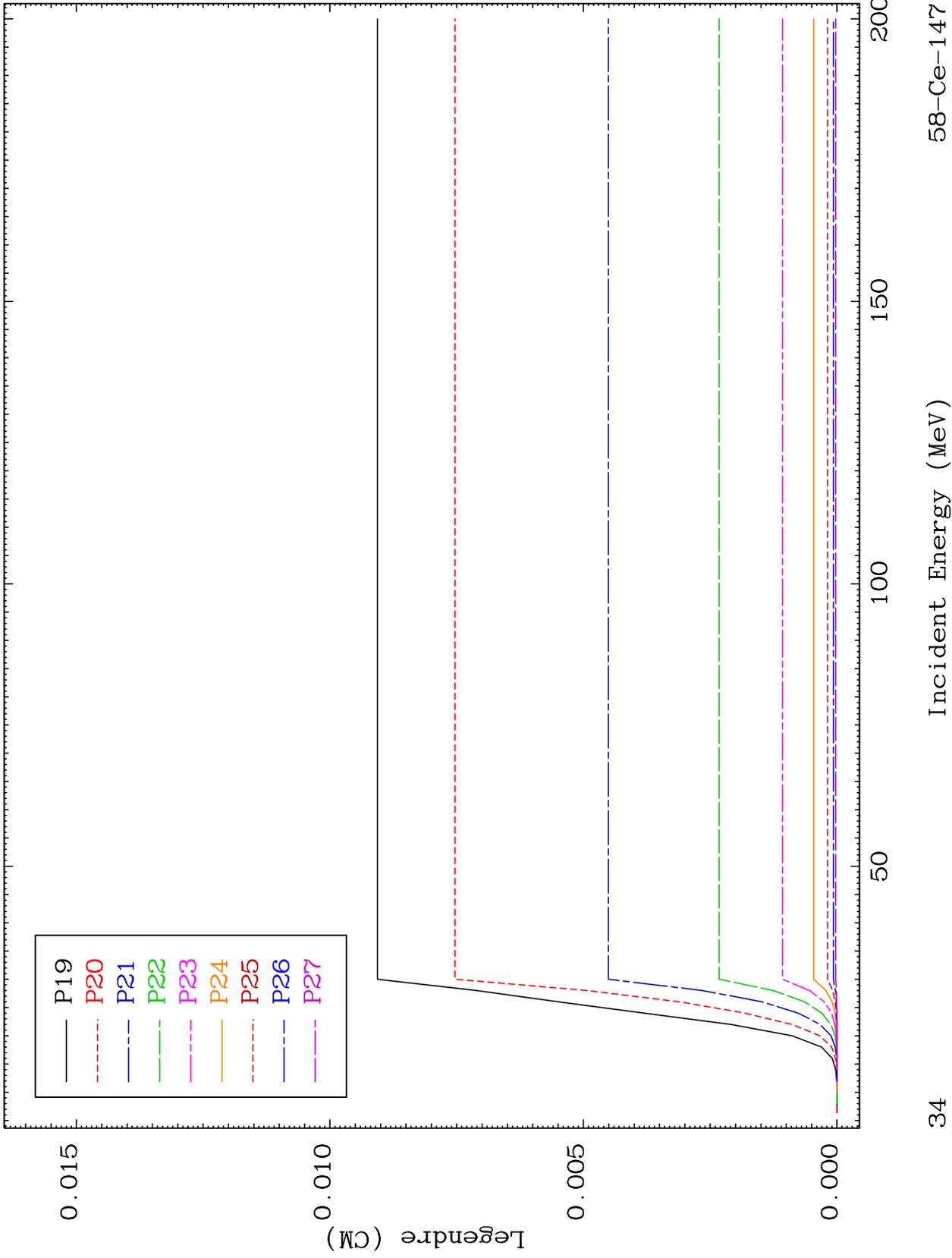
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



34

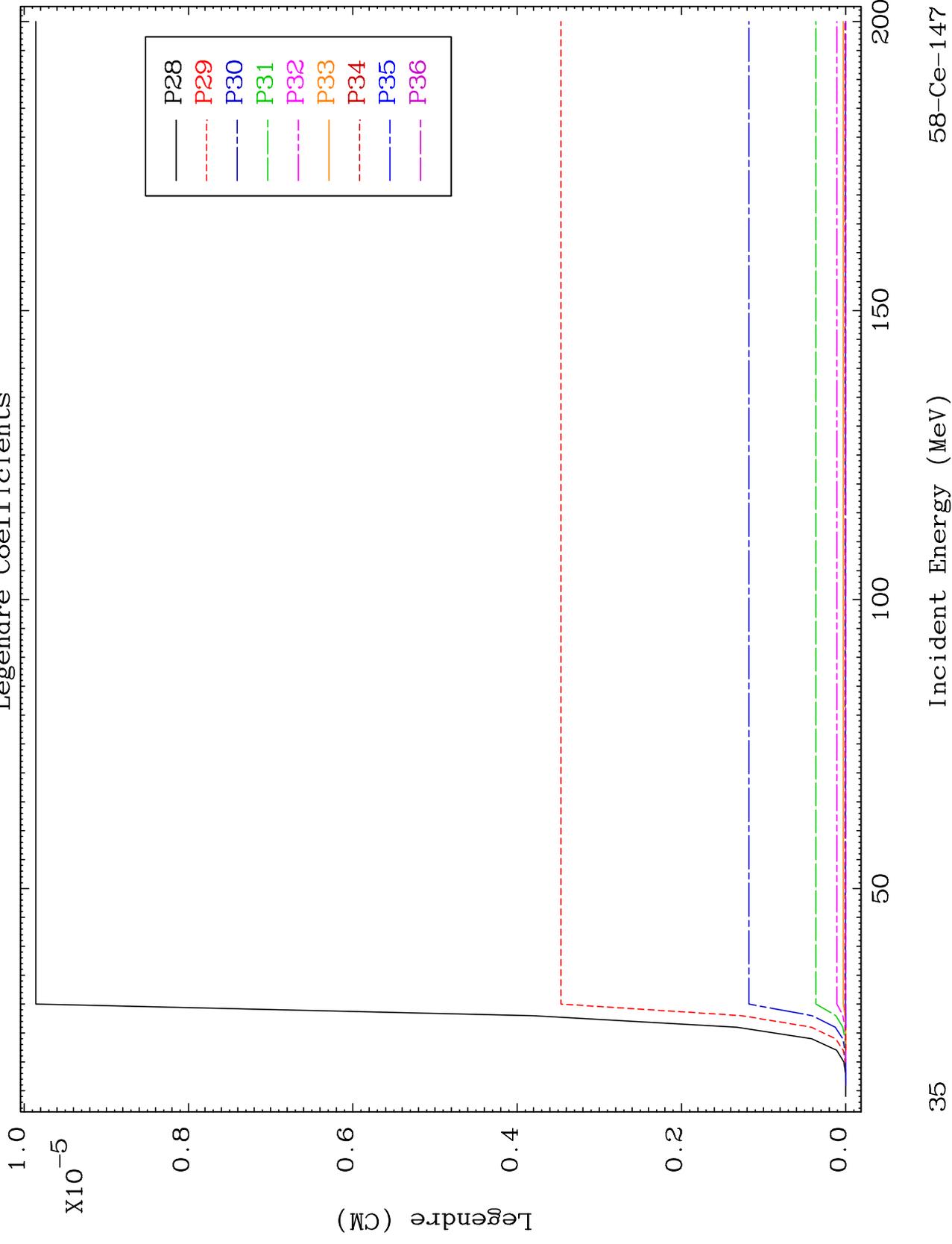
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



35

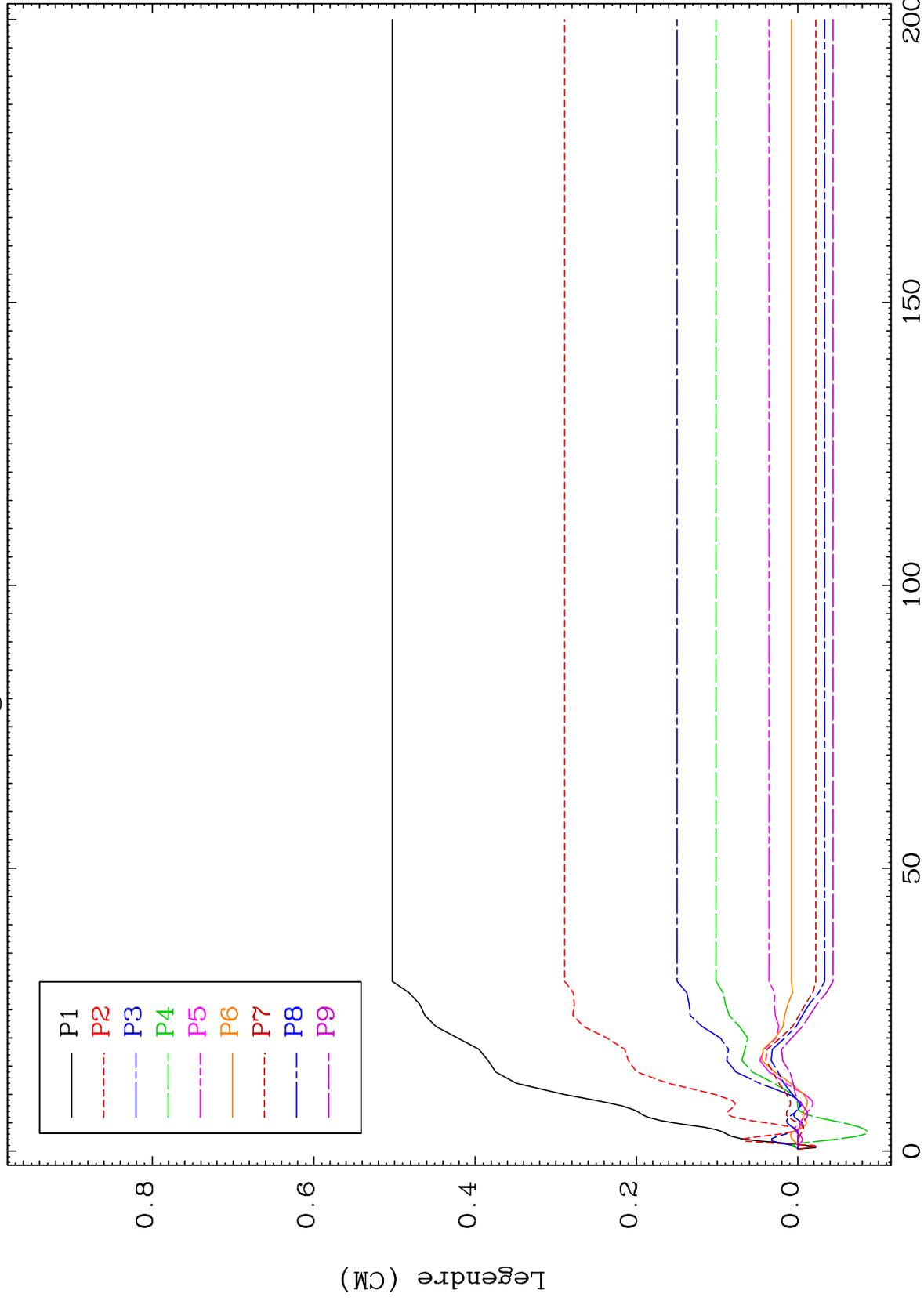
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



36

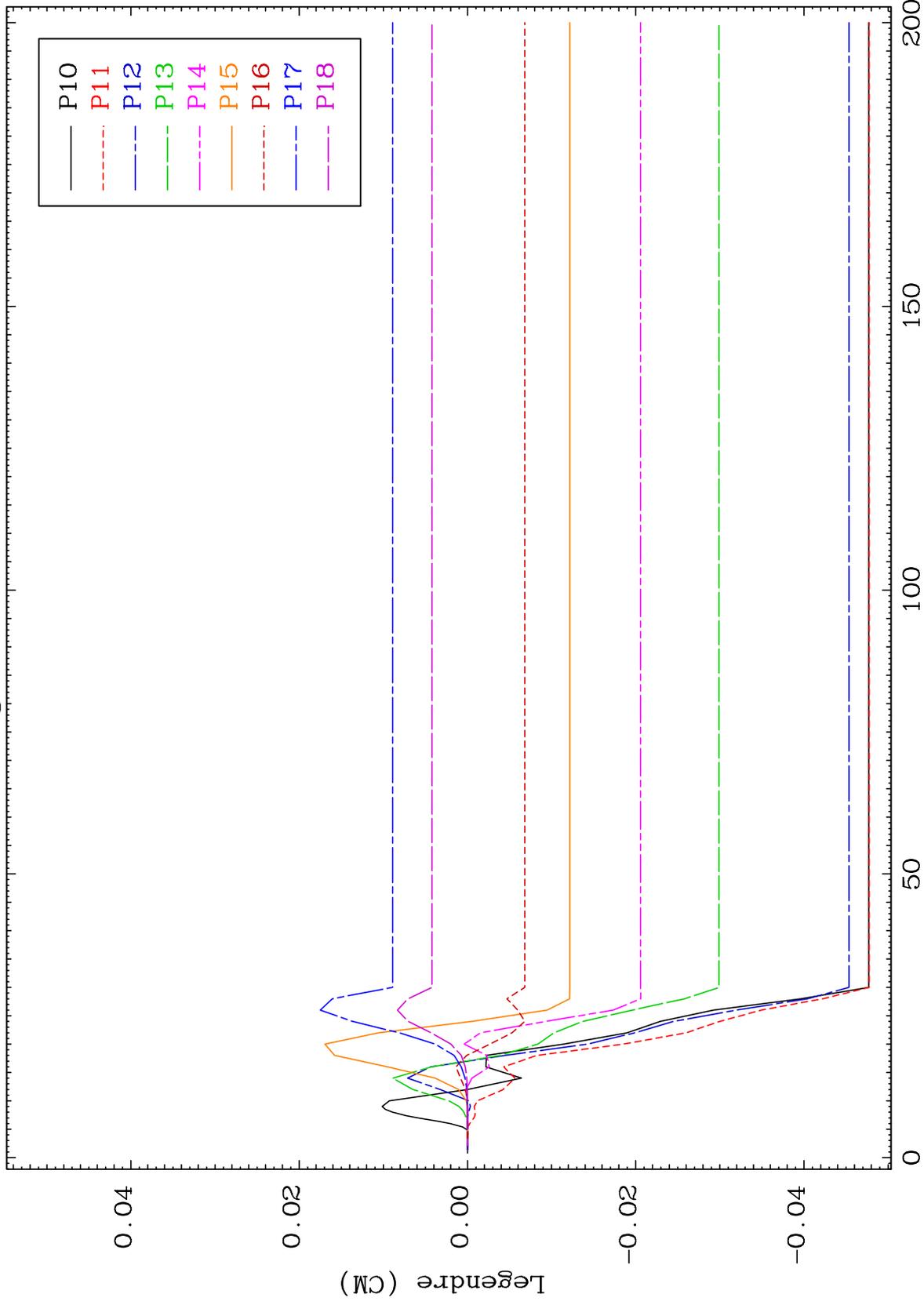
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



37

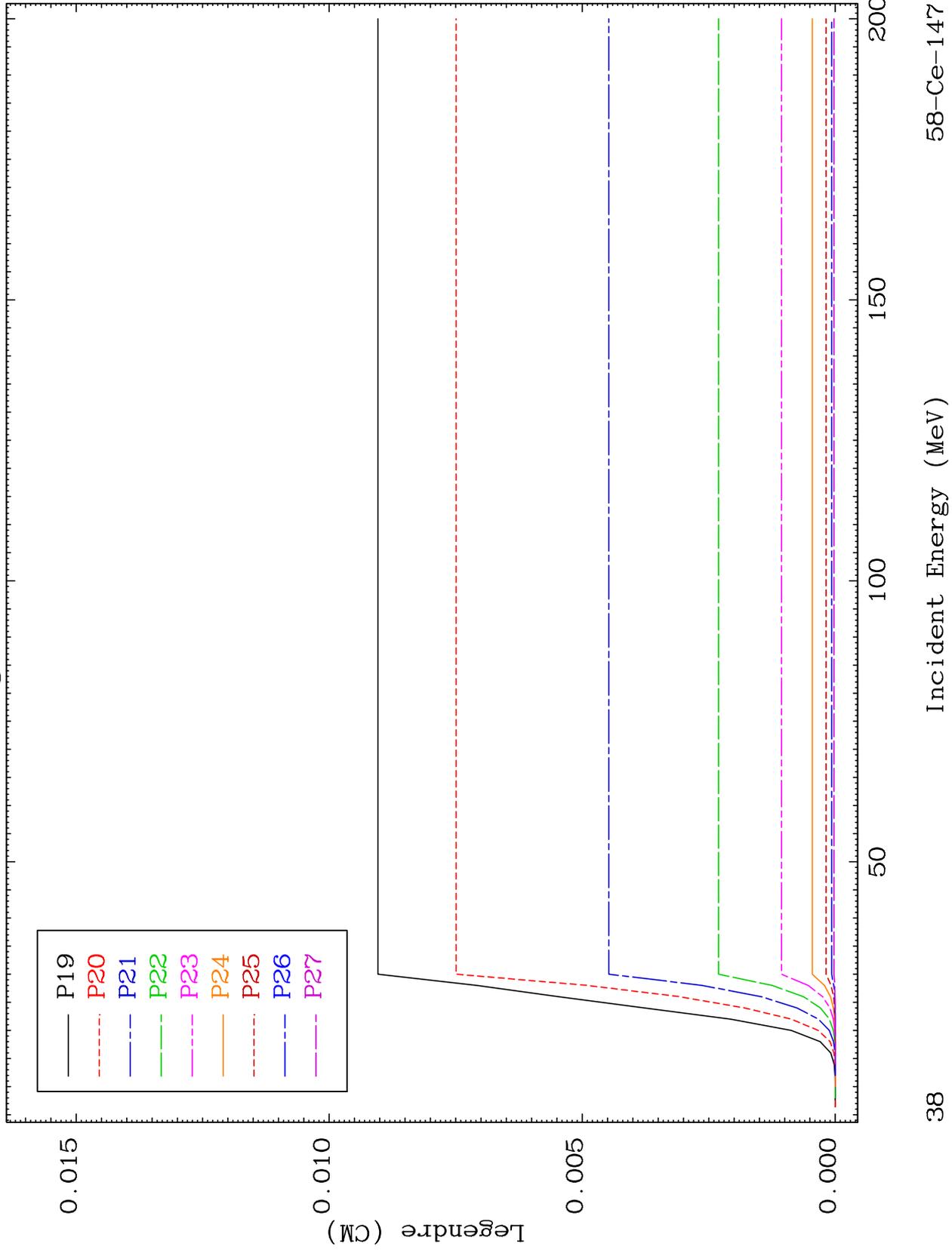
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



38

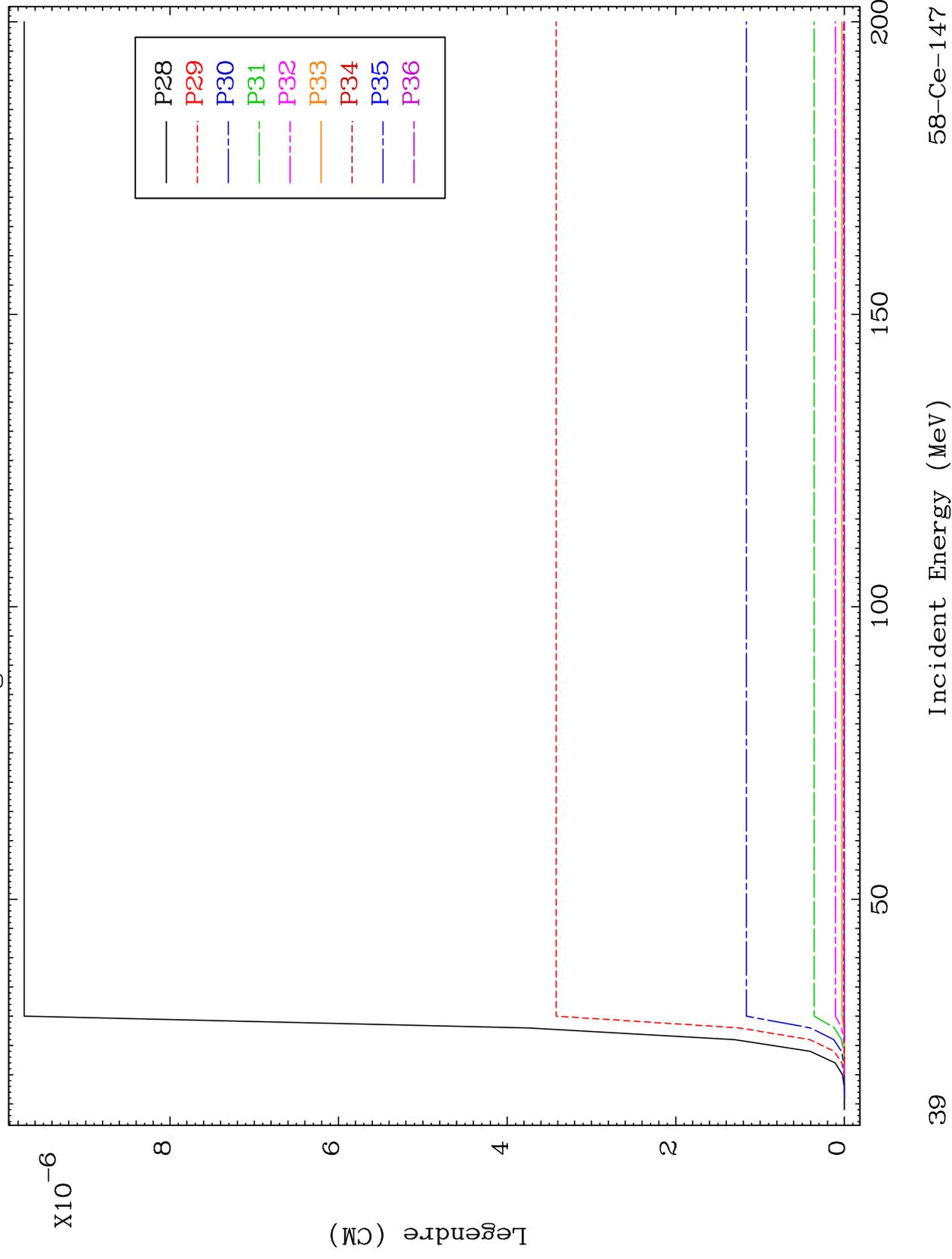
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



39

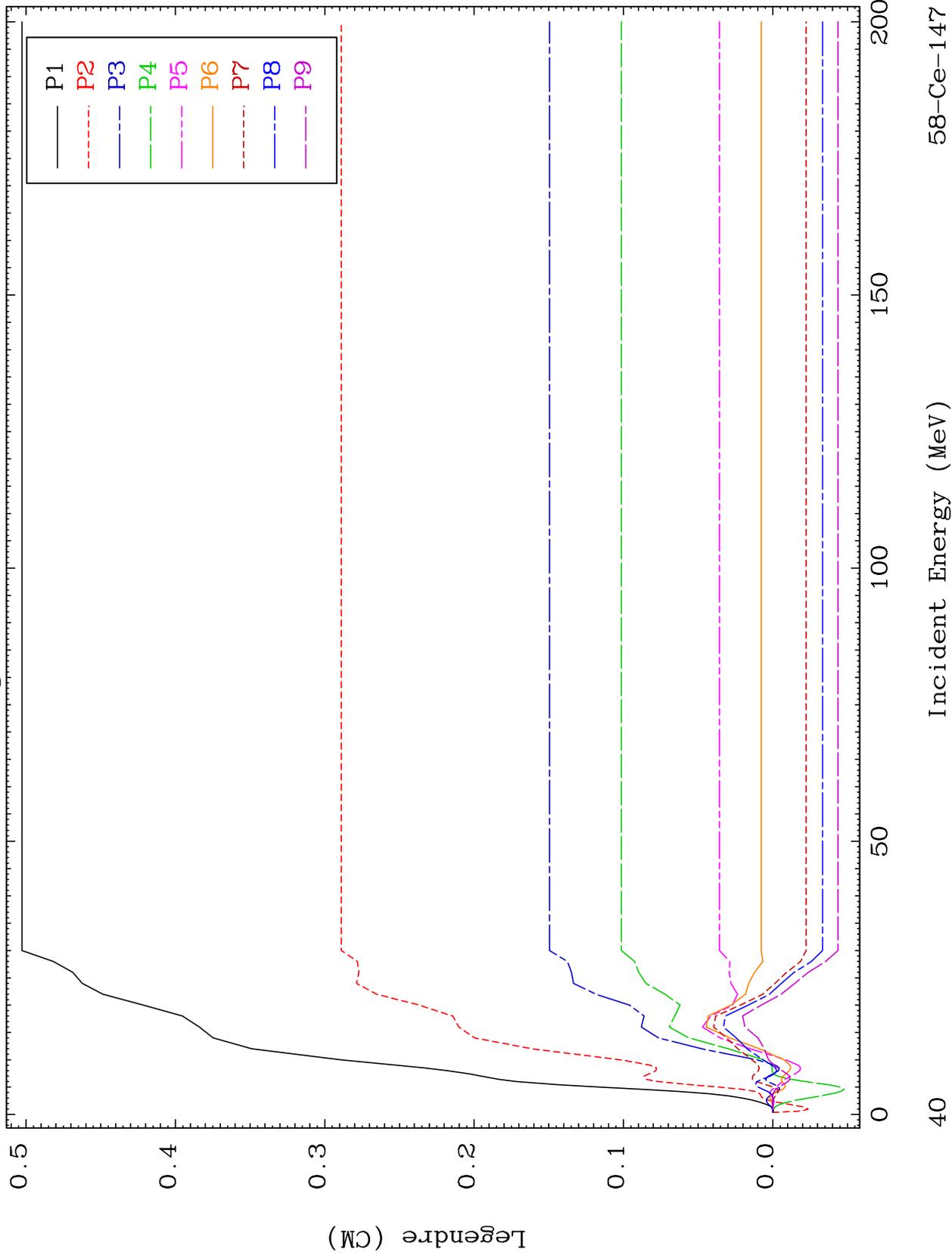
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147

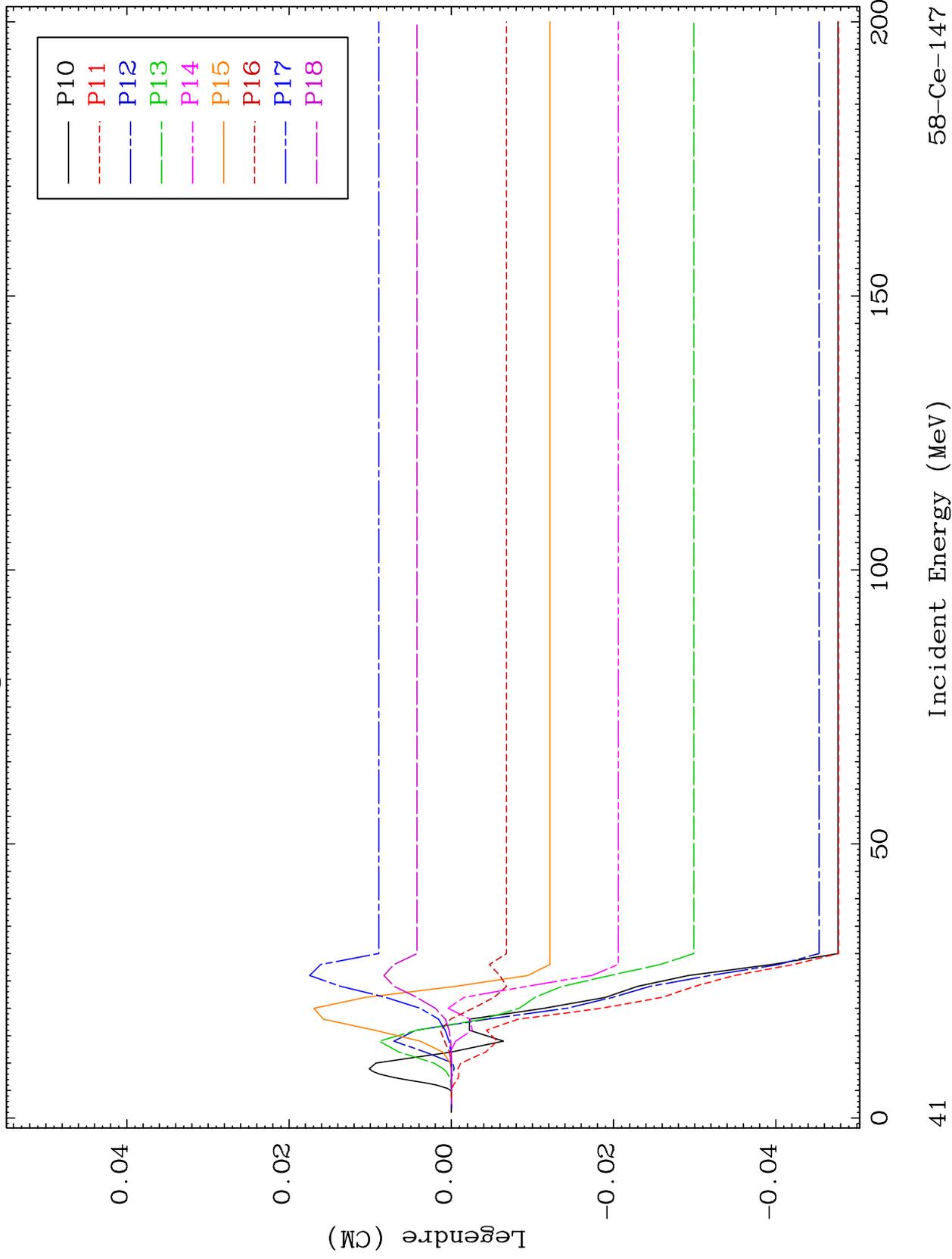


58-Ce-147

MAT 5858

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

58-Ce-147



58-Ce-147

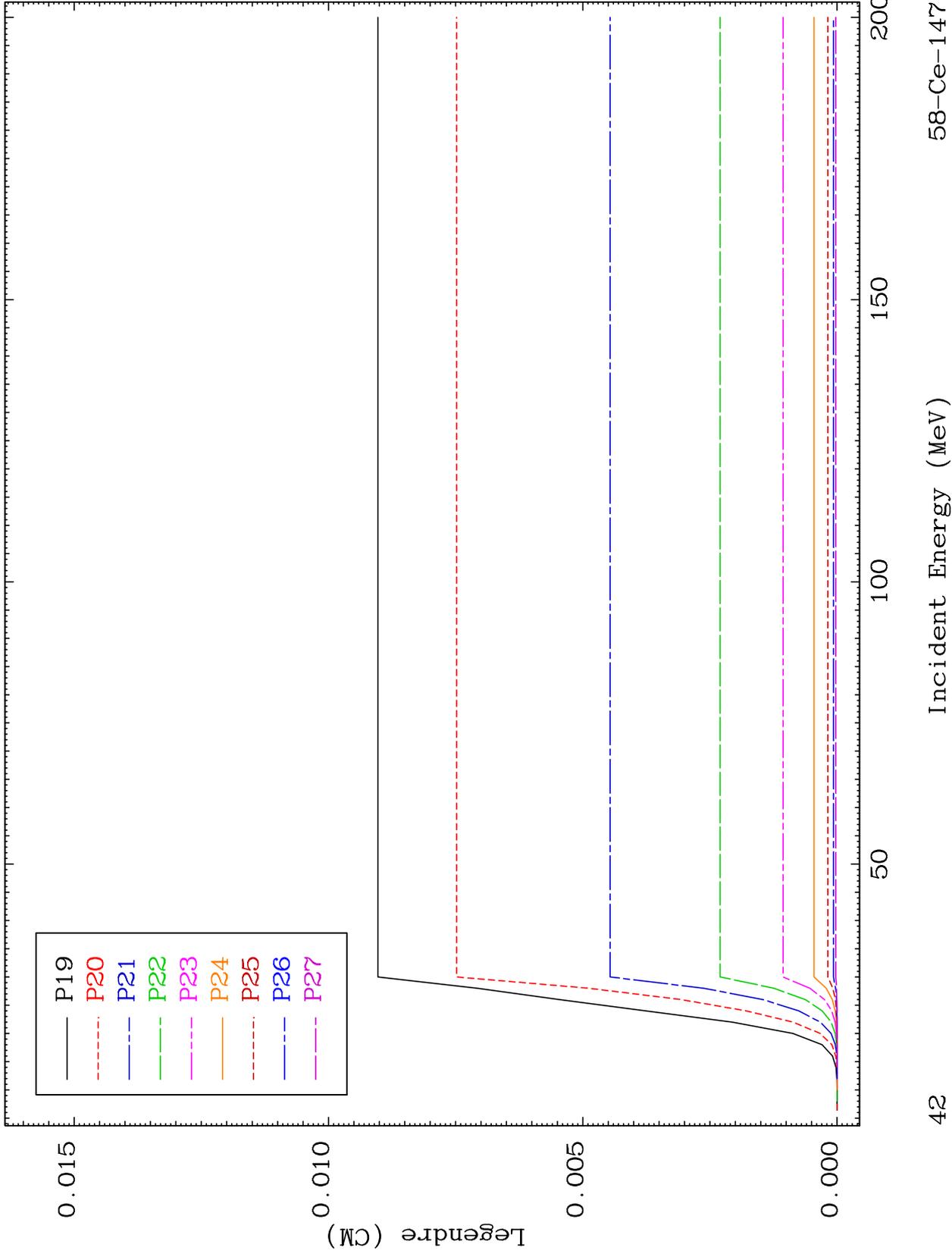
Incident Energy (MeV)

41

MAT 5858

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

58-Ce-147



42

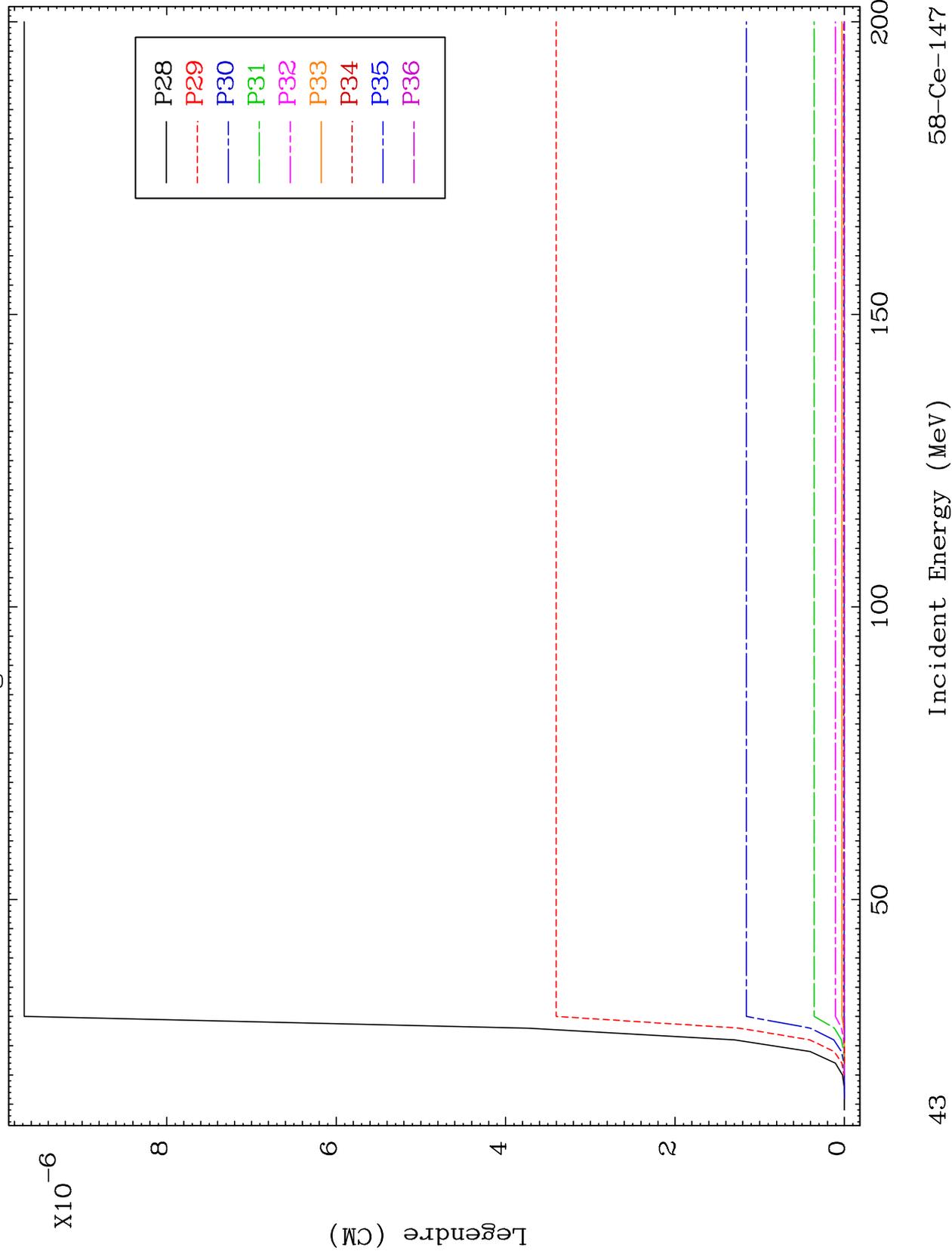
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



43

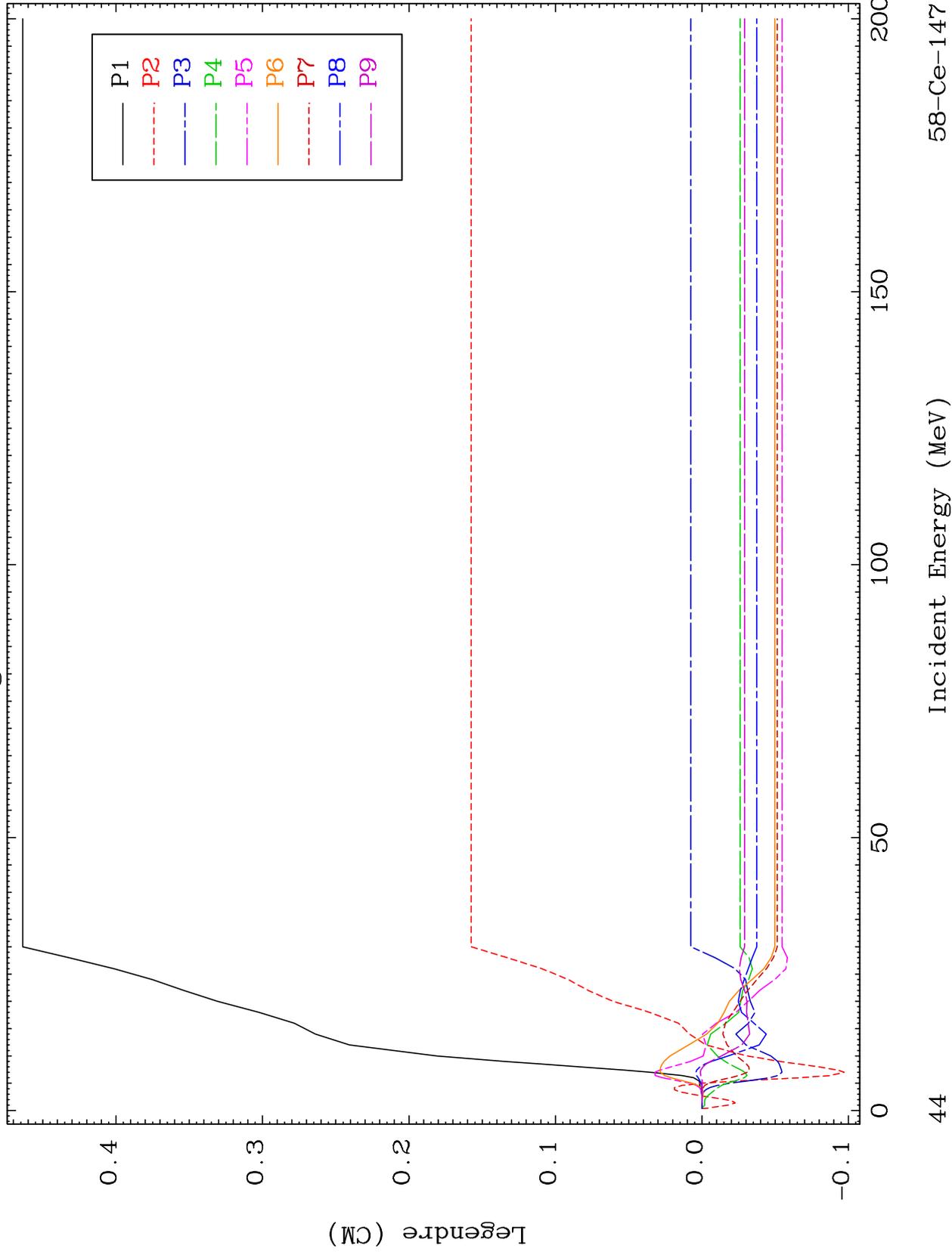
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



58-Ce-147

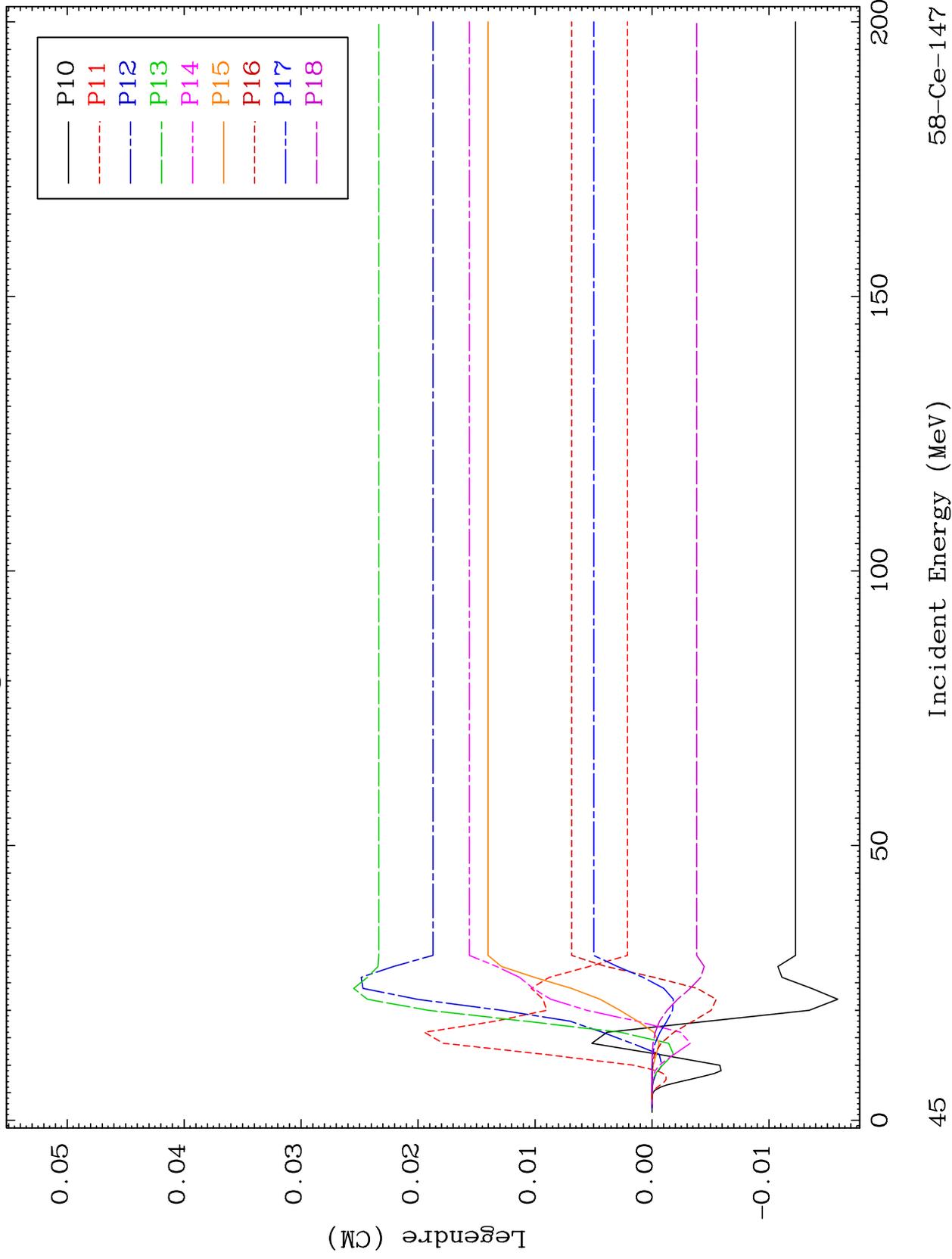
Incident Energy (MeV)

44

MAT 5858

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

58-Ce-147

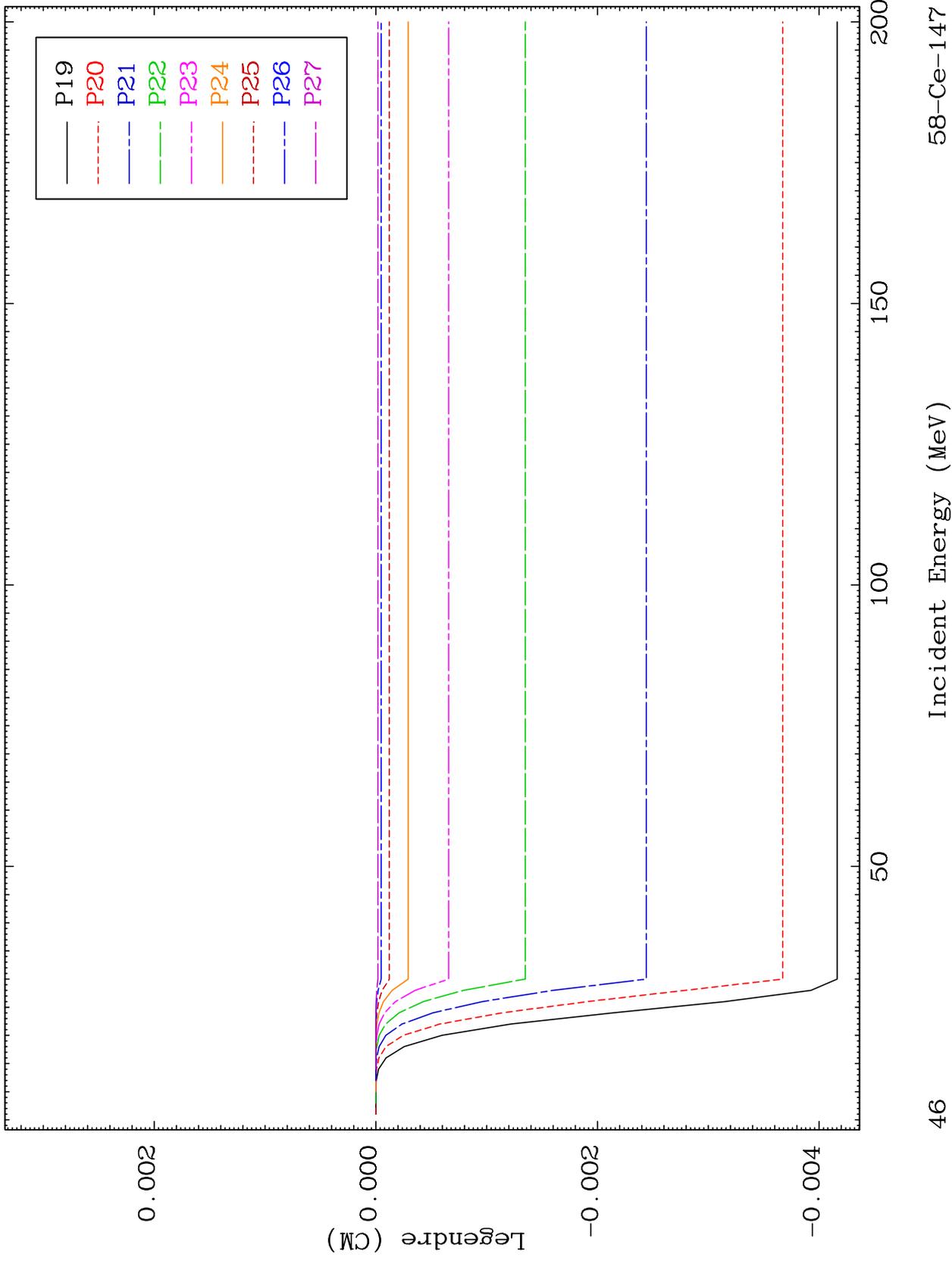


58-Ce-147

MAT 5858

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

58-Ce-147



46

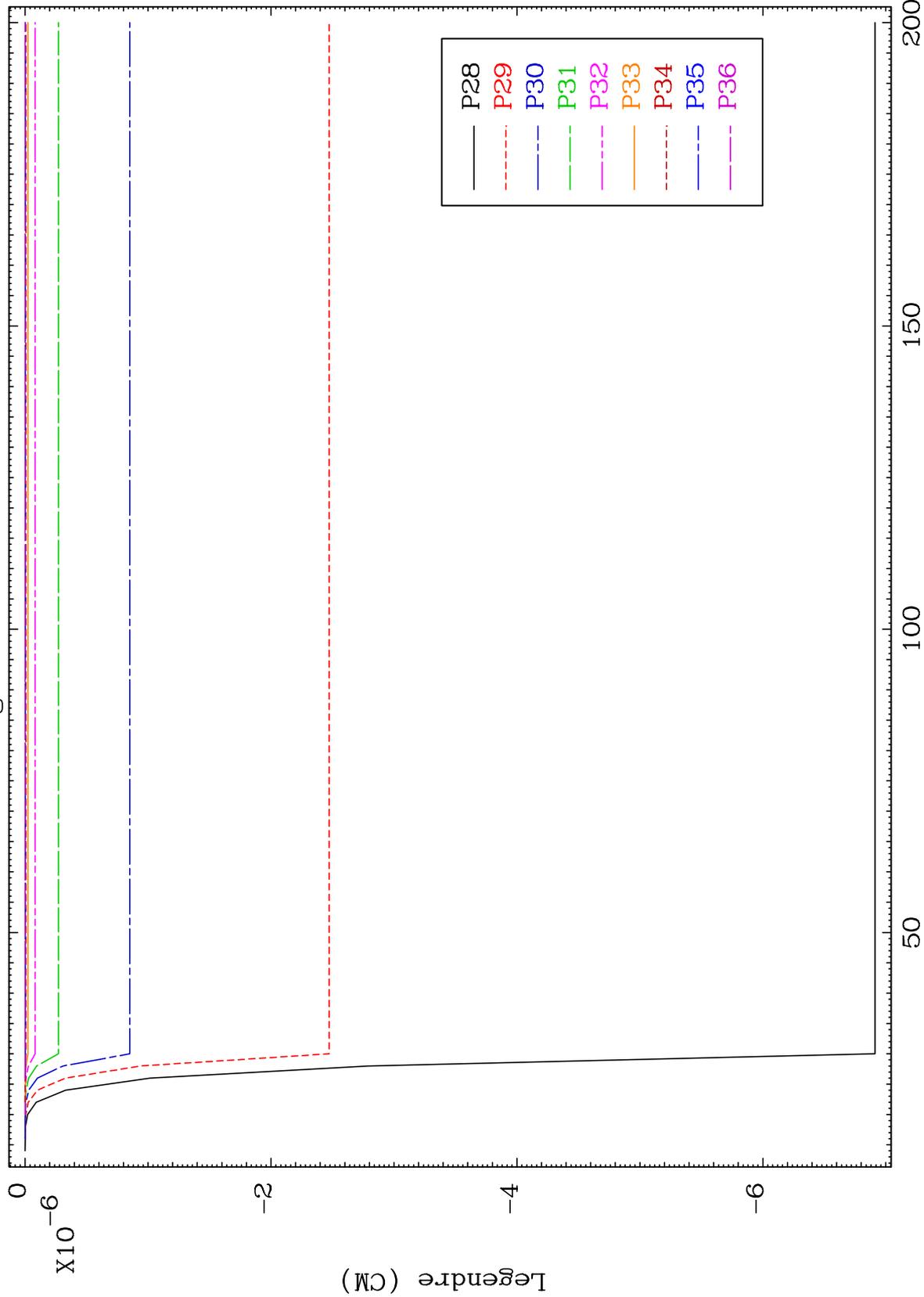
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

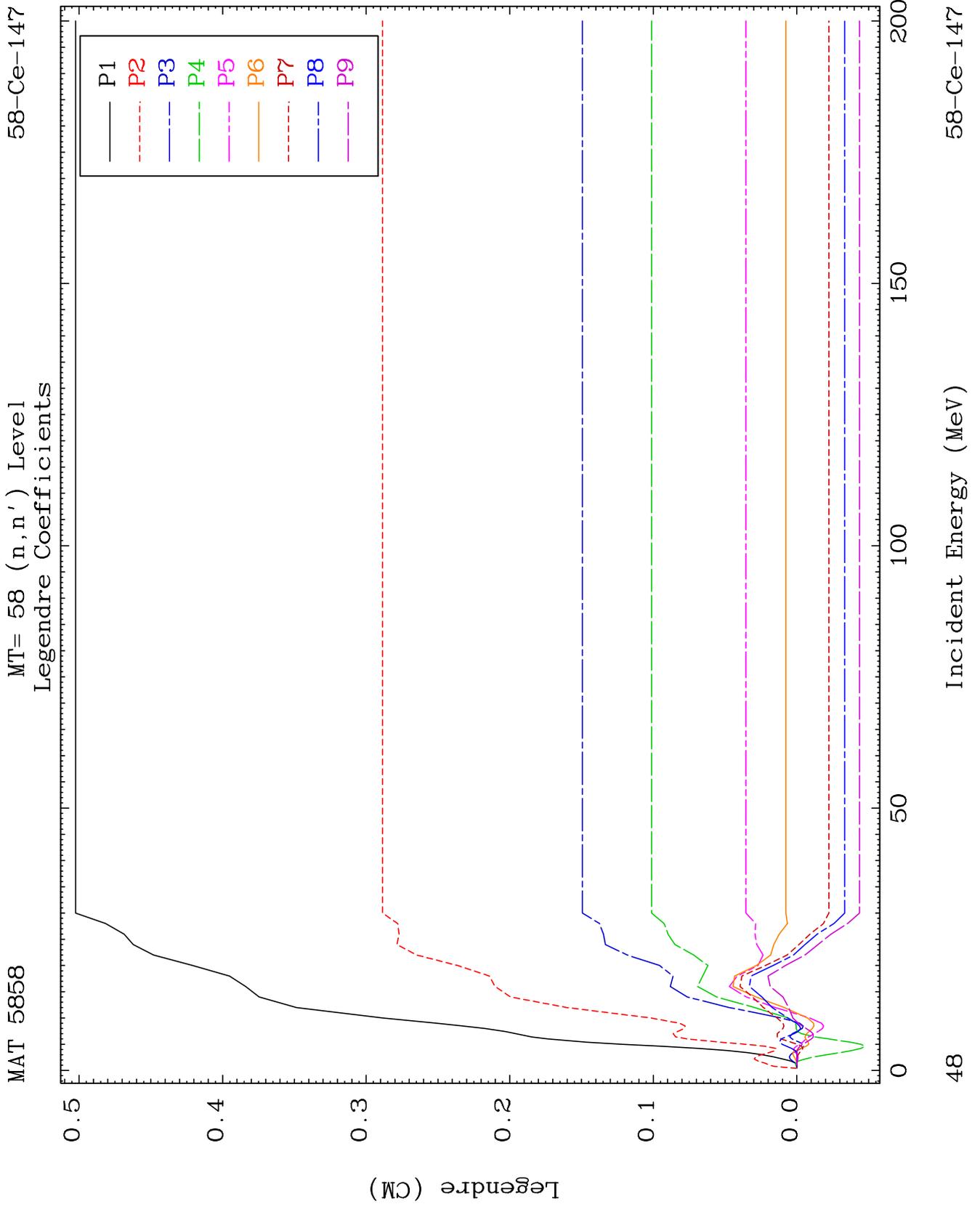
58-Ce-147



47

Incident Energy (MeV)

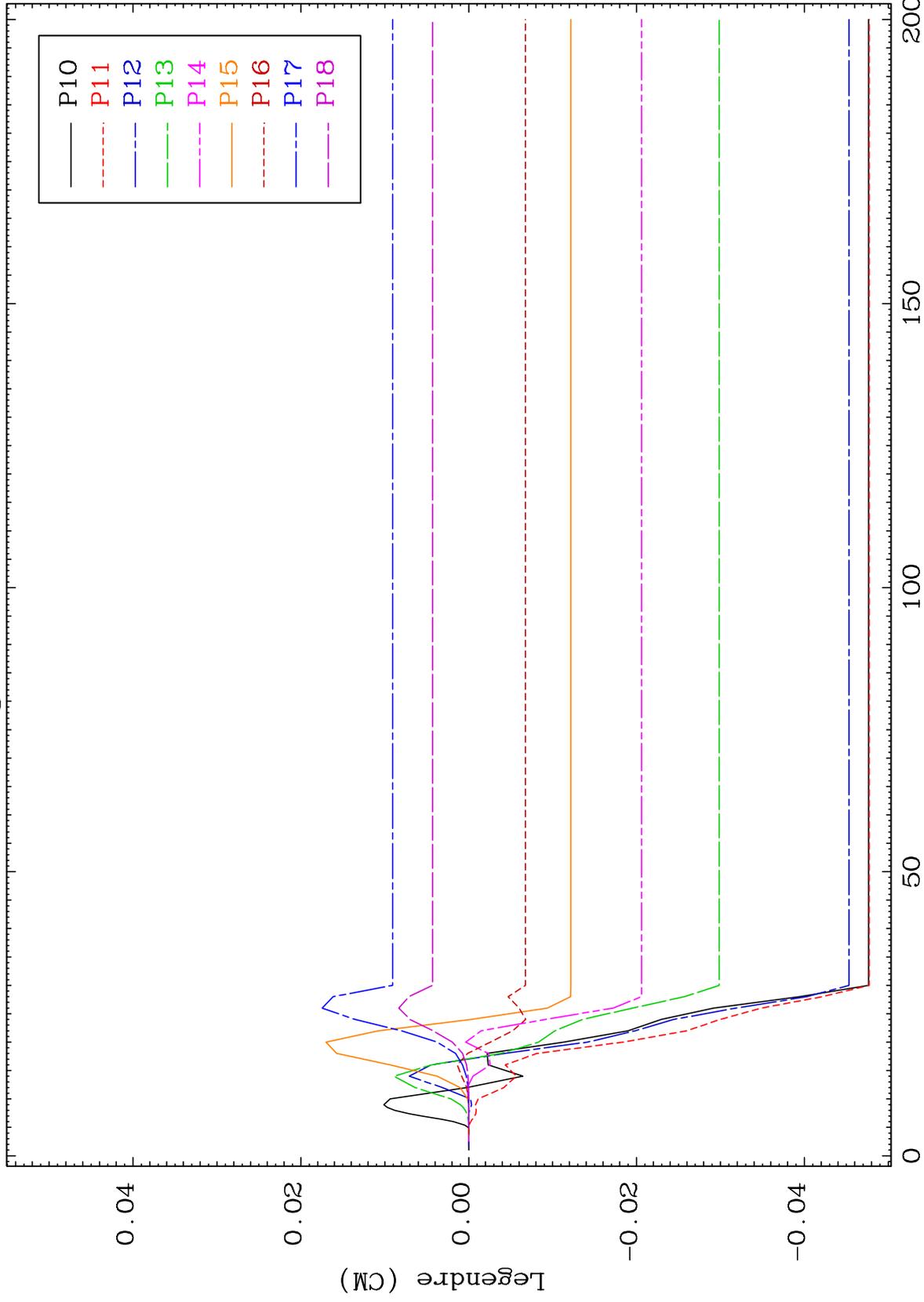
58-Ce-147



MAT 5858

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

58-Ce-147



49

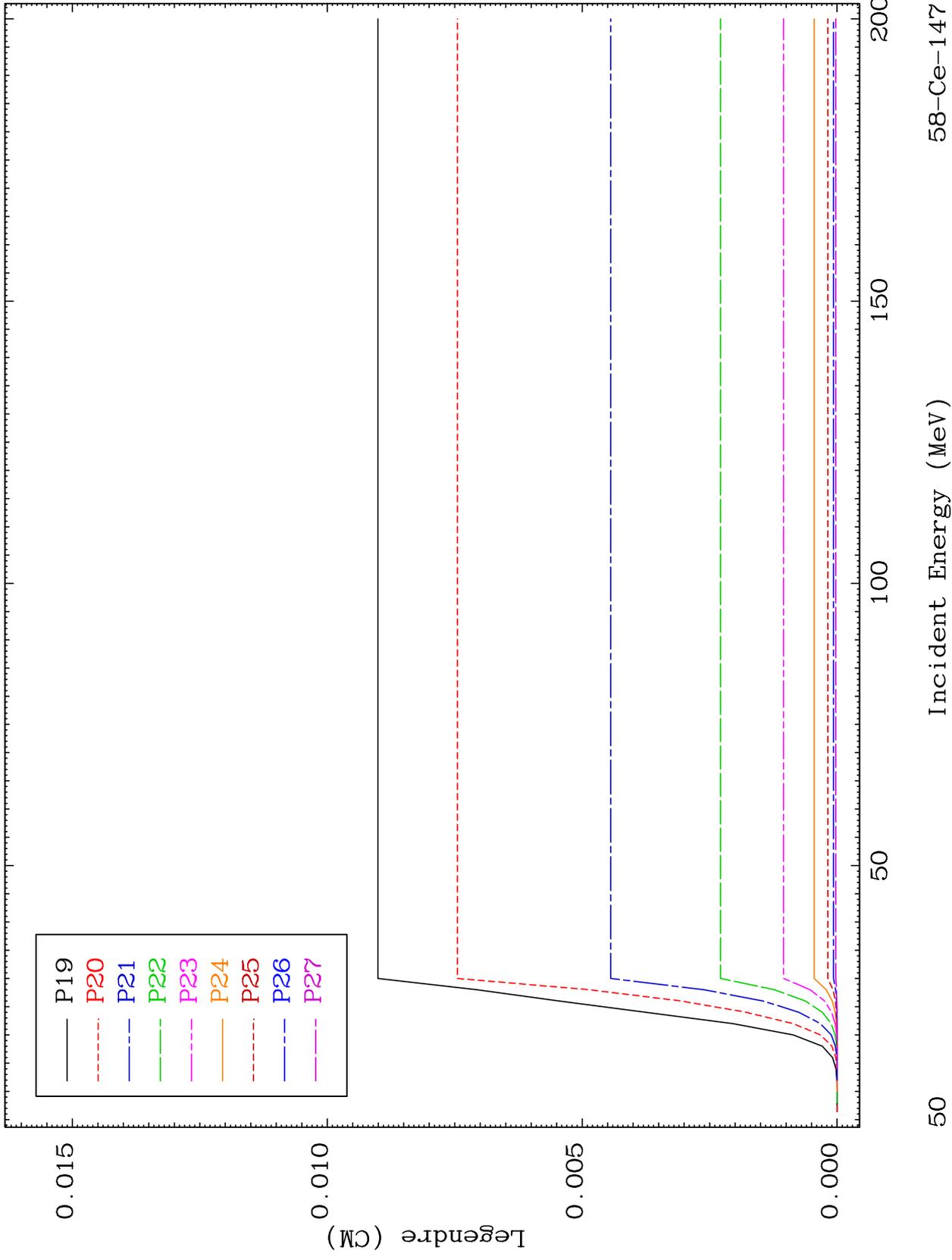
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



58-Ce-147

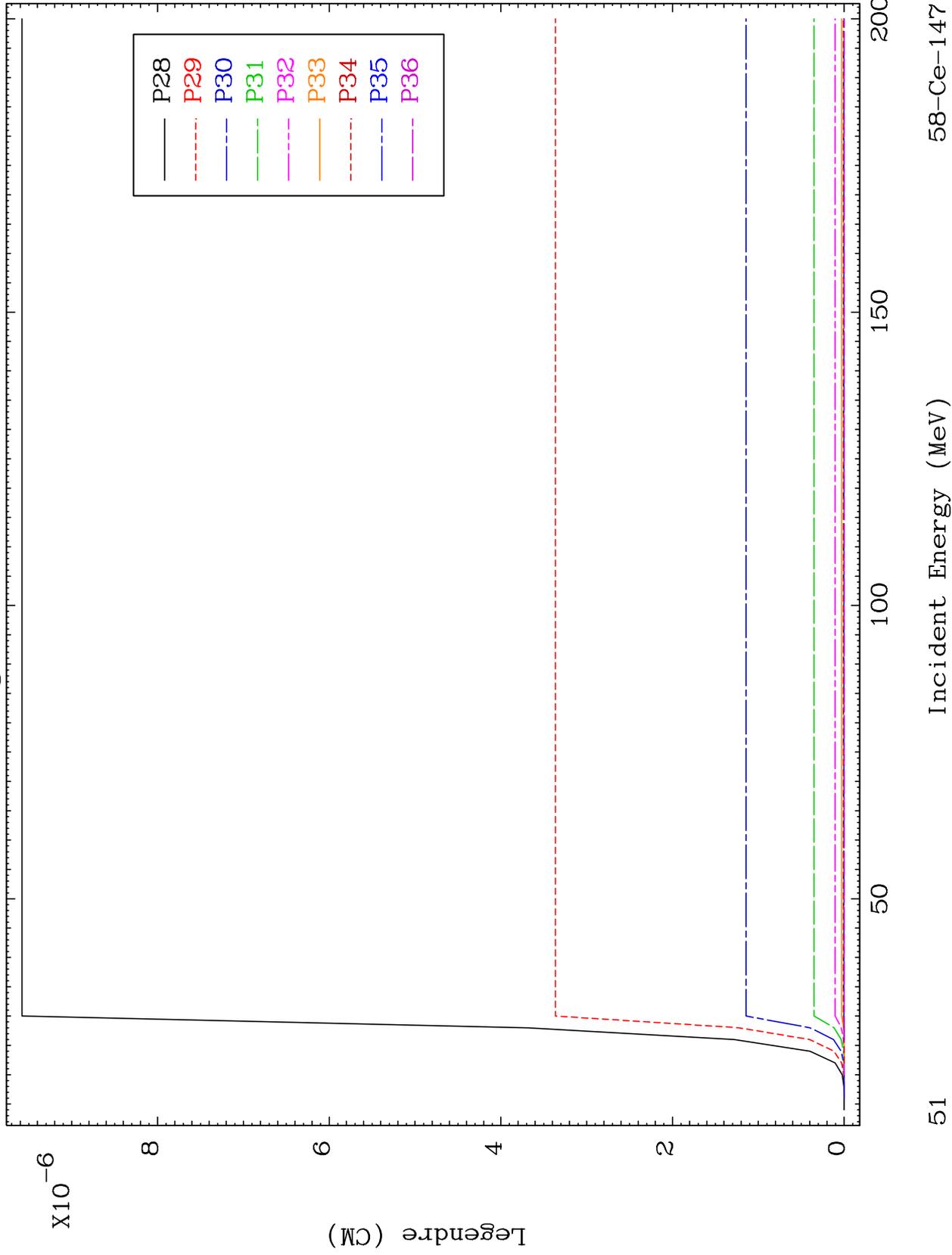
Incident Energy (MeV)

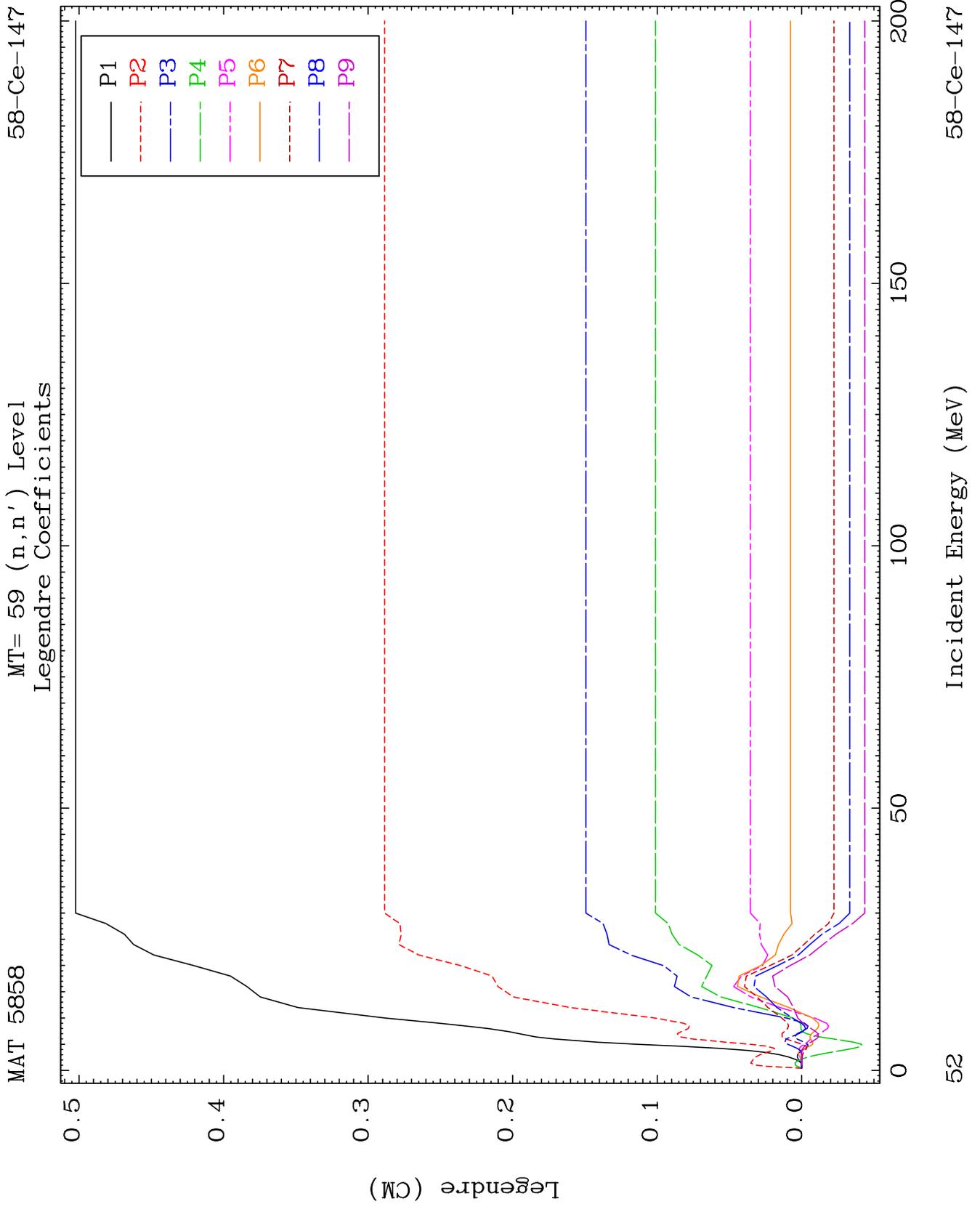
50

MAT 5858

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

58-Ce-147

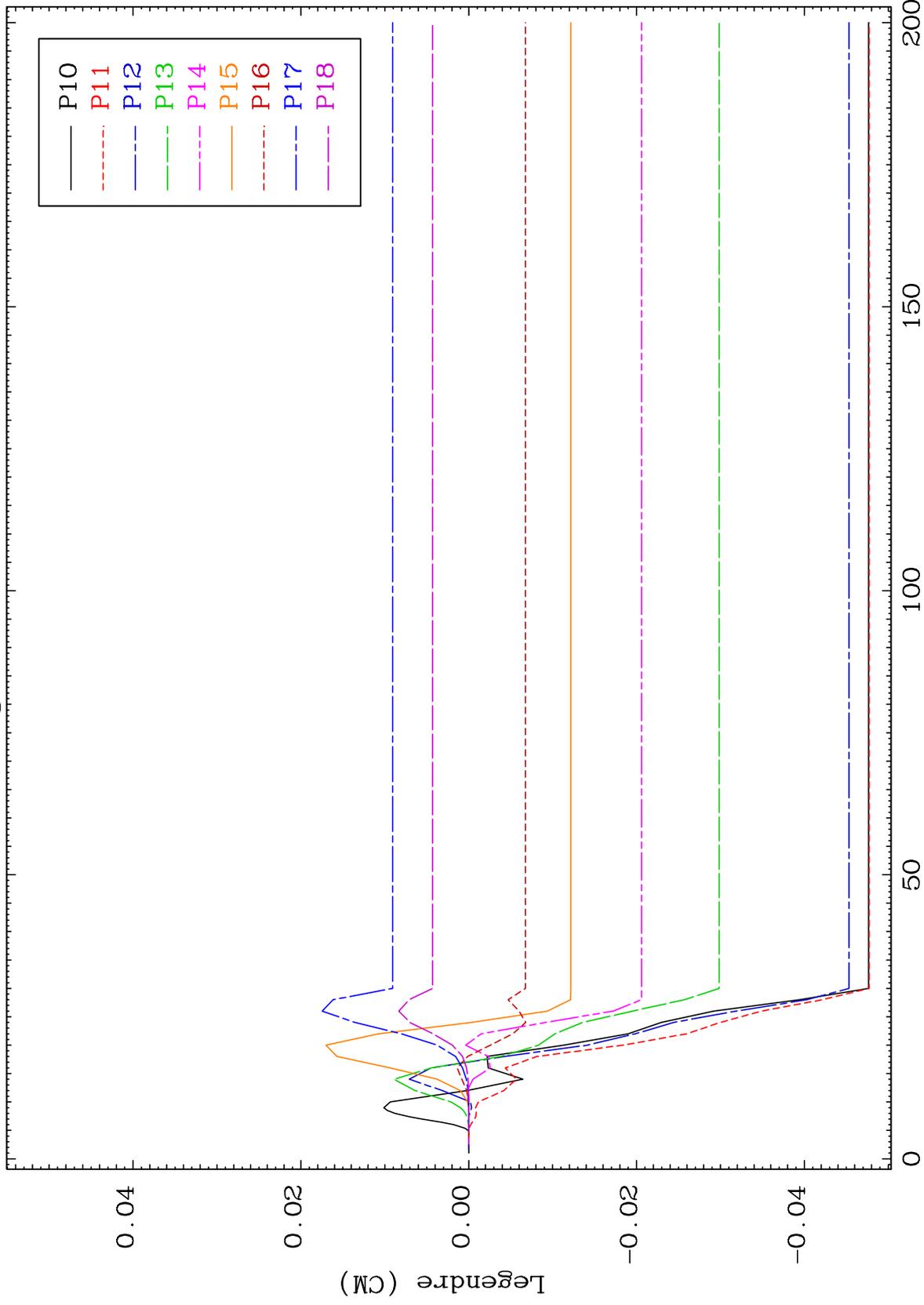




MAT 5858

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

58-Ce-147



53

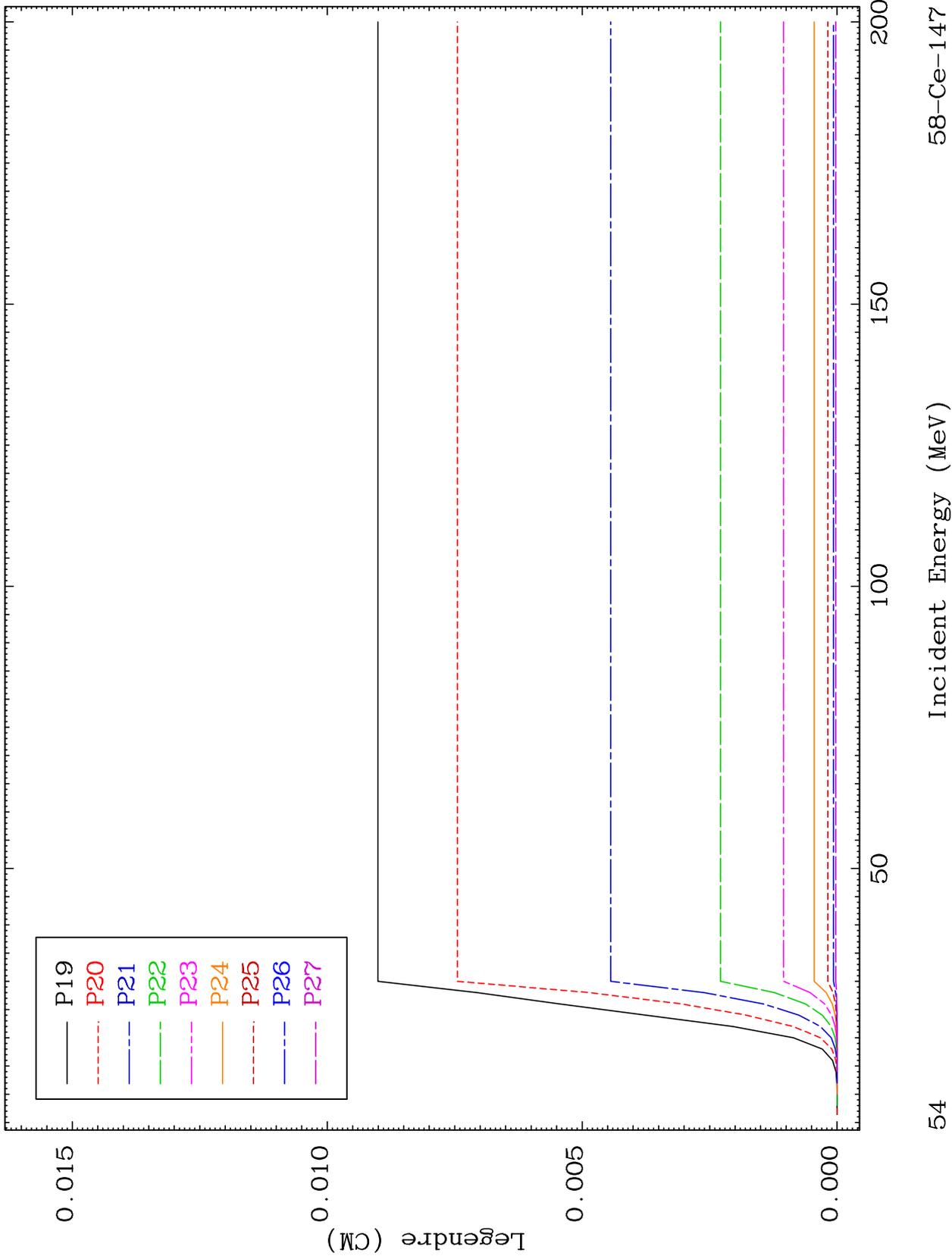
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



54

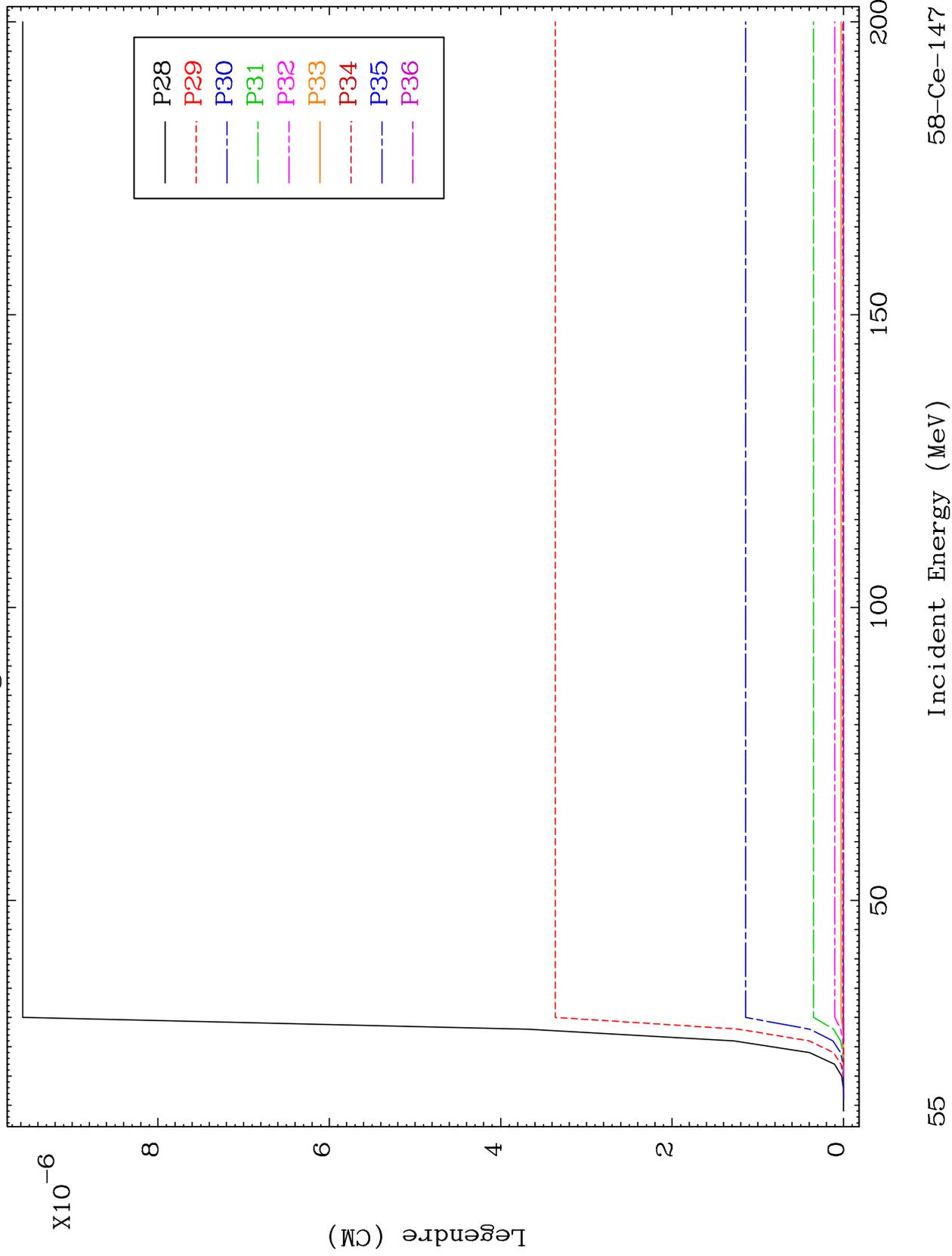
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



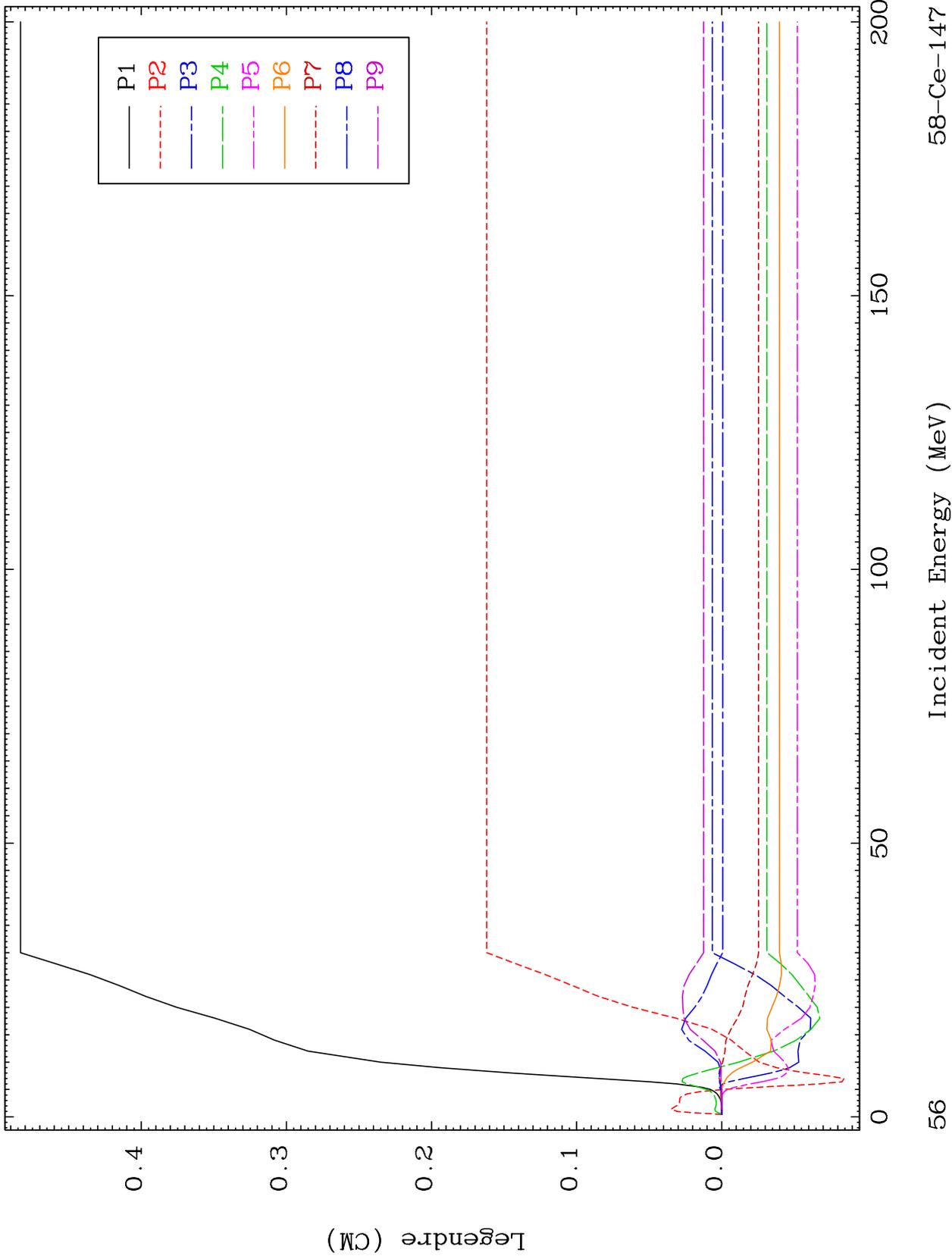
55

200

MAT 5858

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

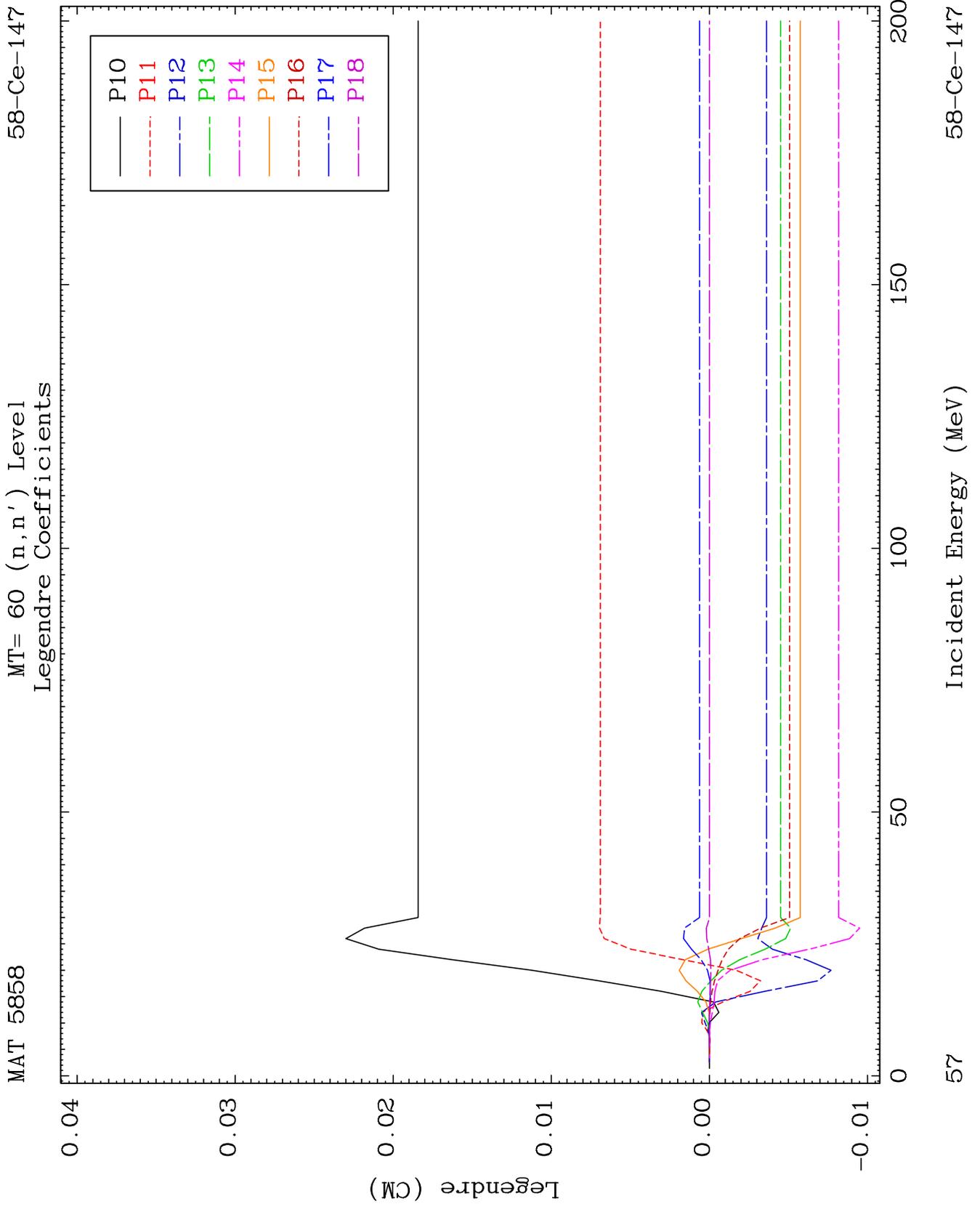
58-Ce-147



58-Ce-147

Incident Energy (MeV)

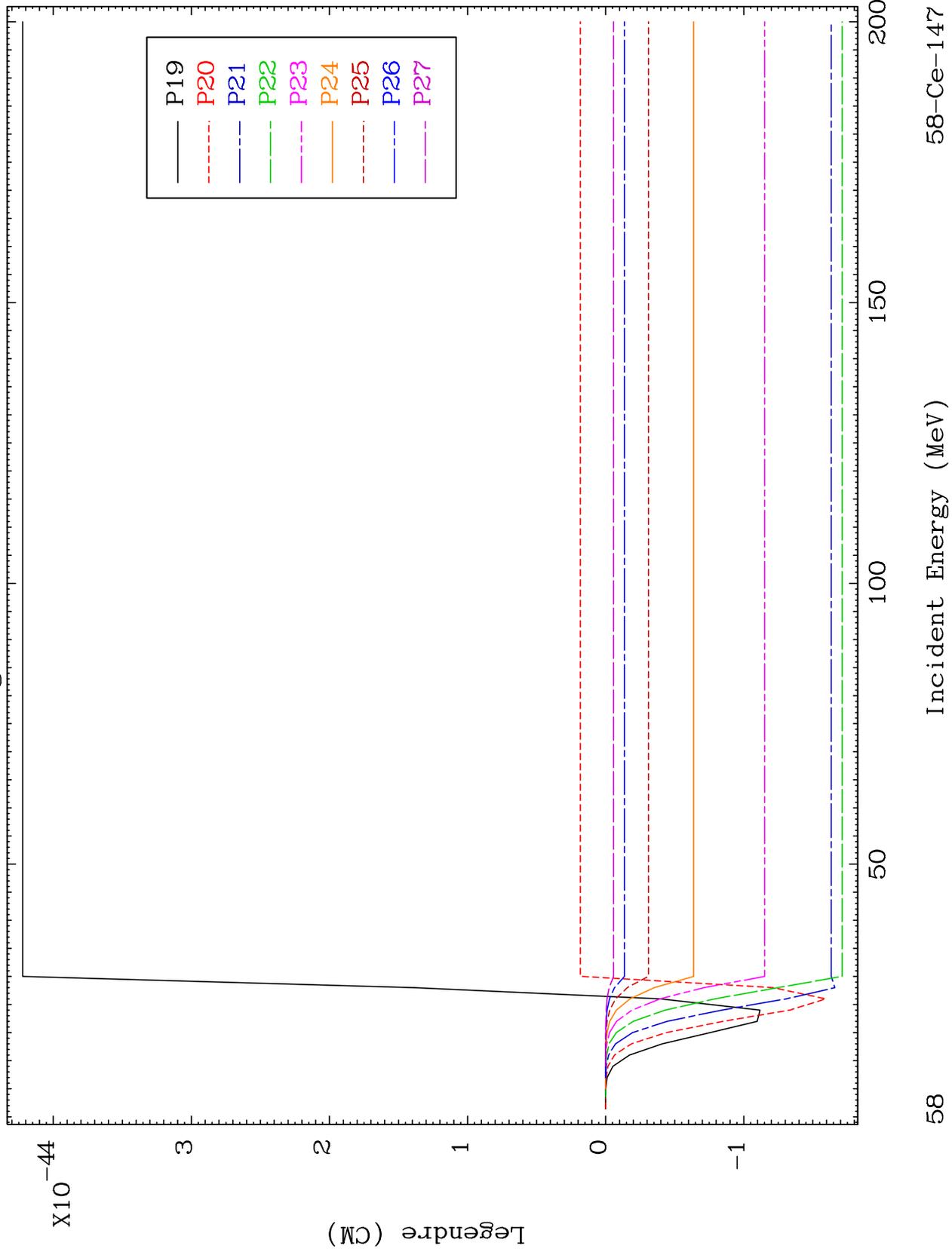
56



MAT 5858

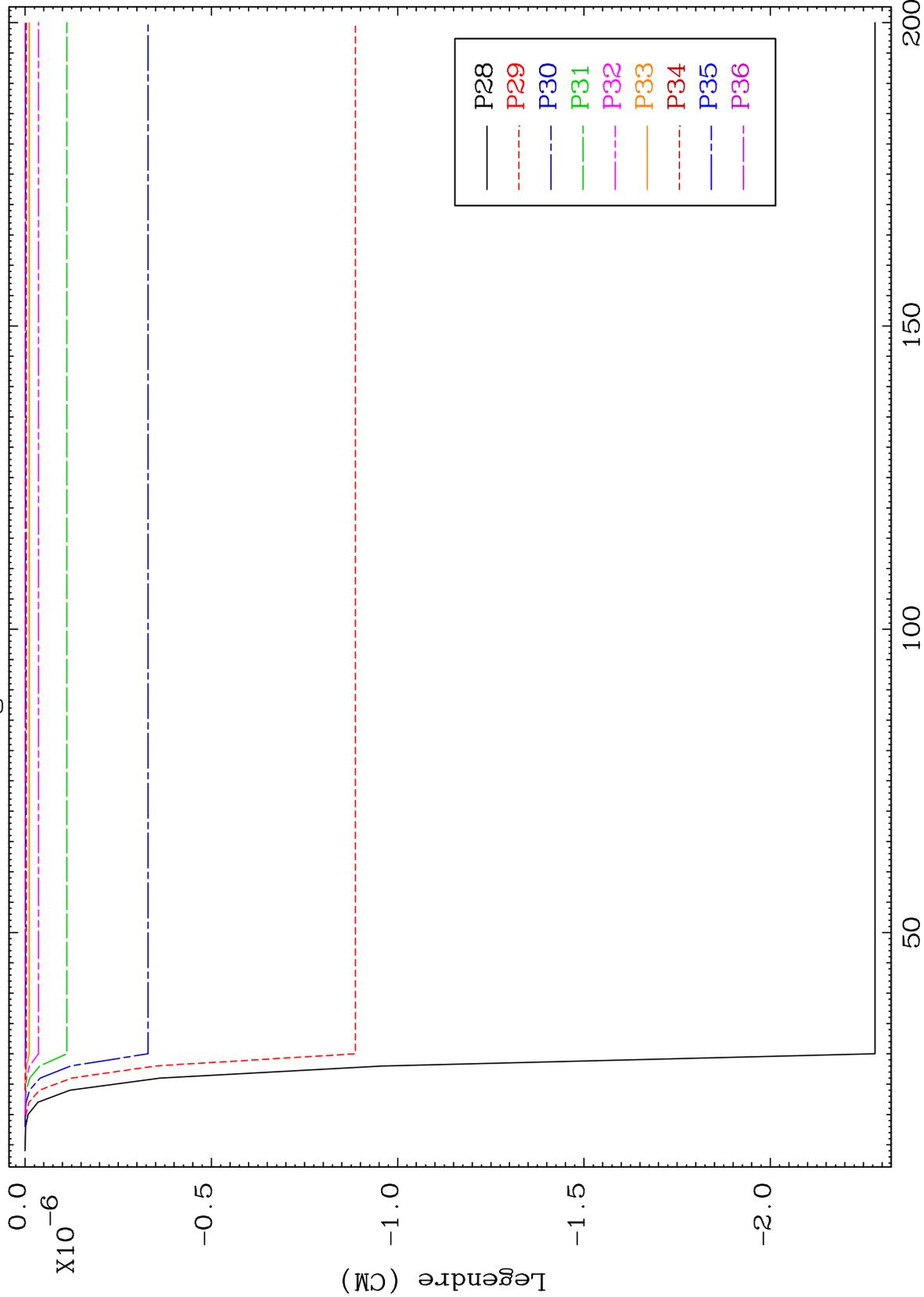
MT= 60 (n,n') Level
Legendre Coefficients

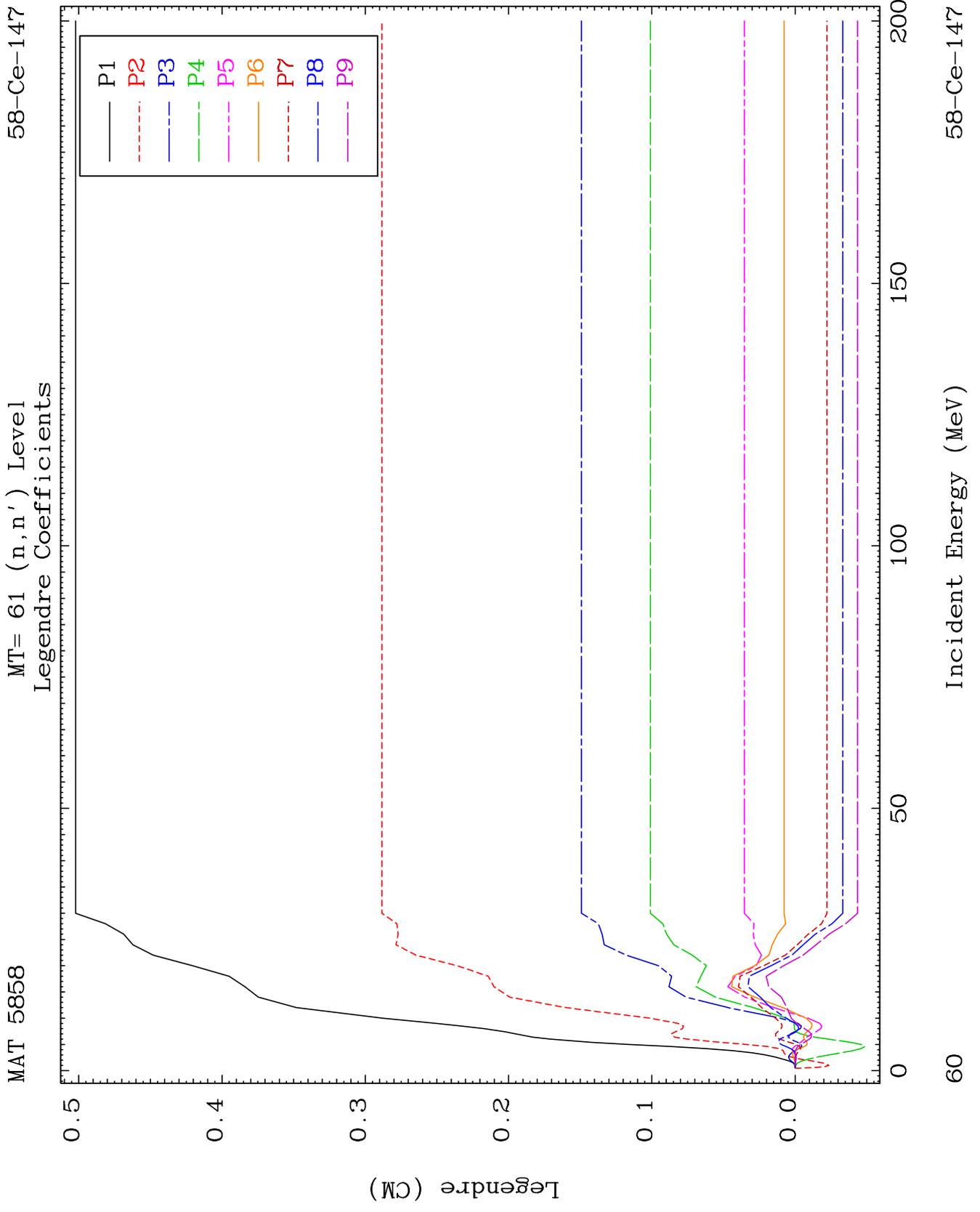
58-Ce-147



58

58-Ce-147

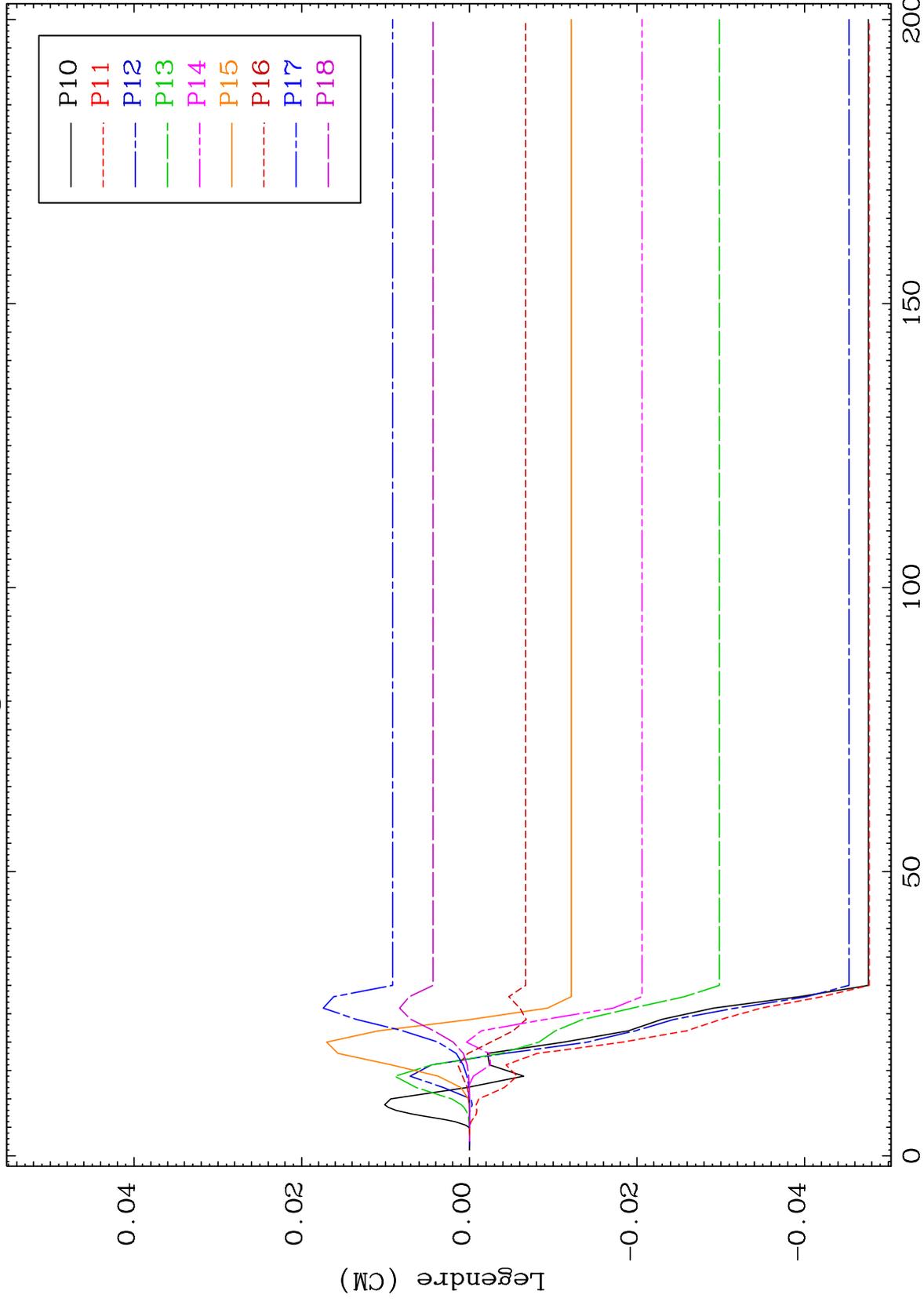




MAT 5858

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

58-Ce-147



61

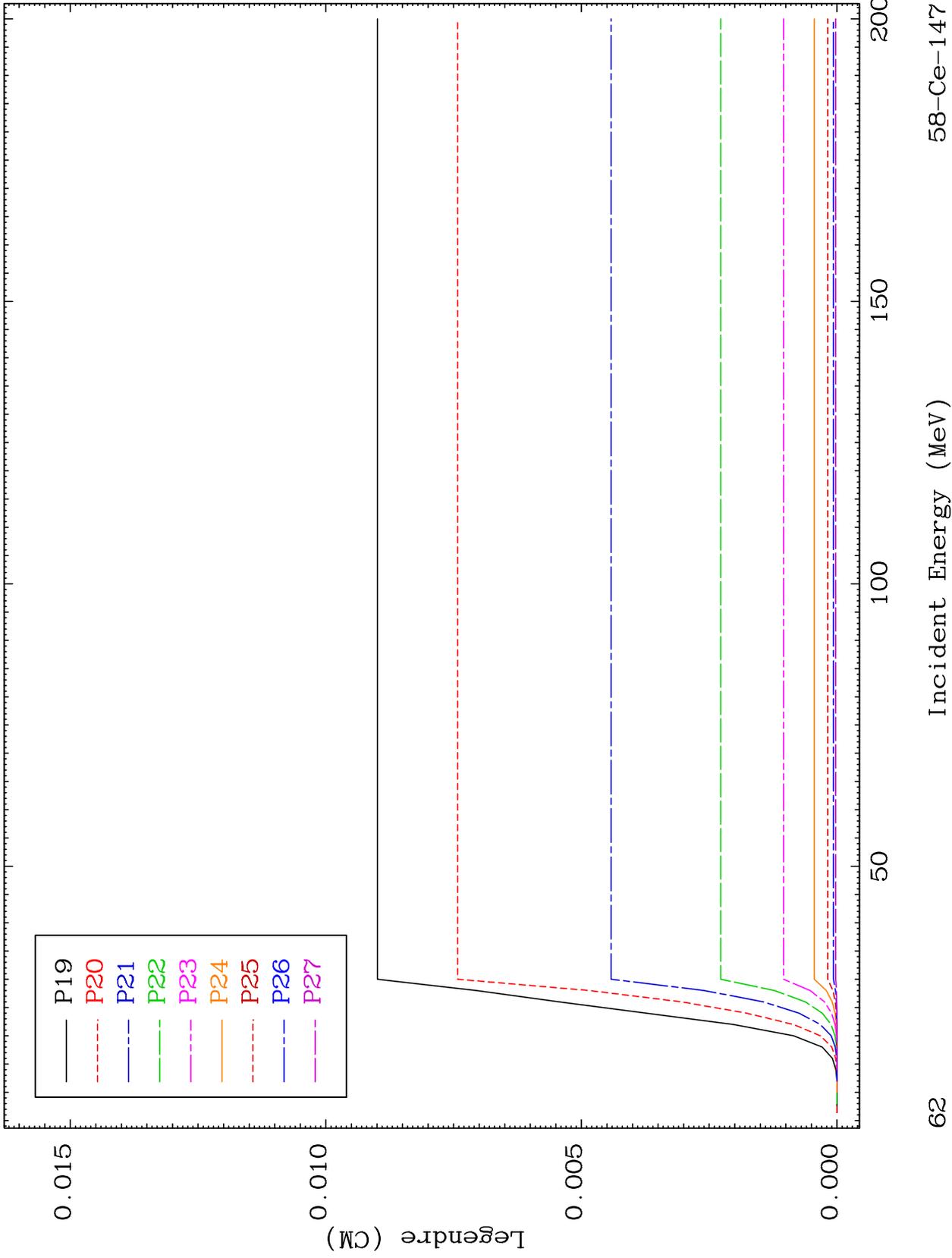
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



62

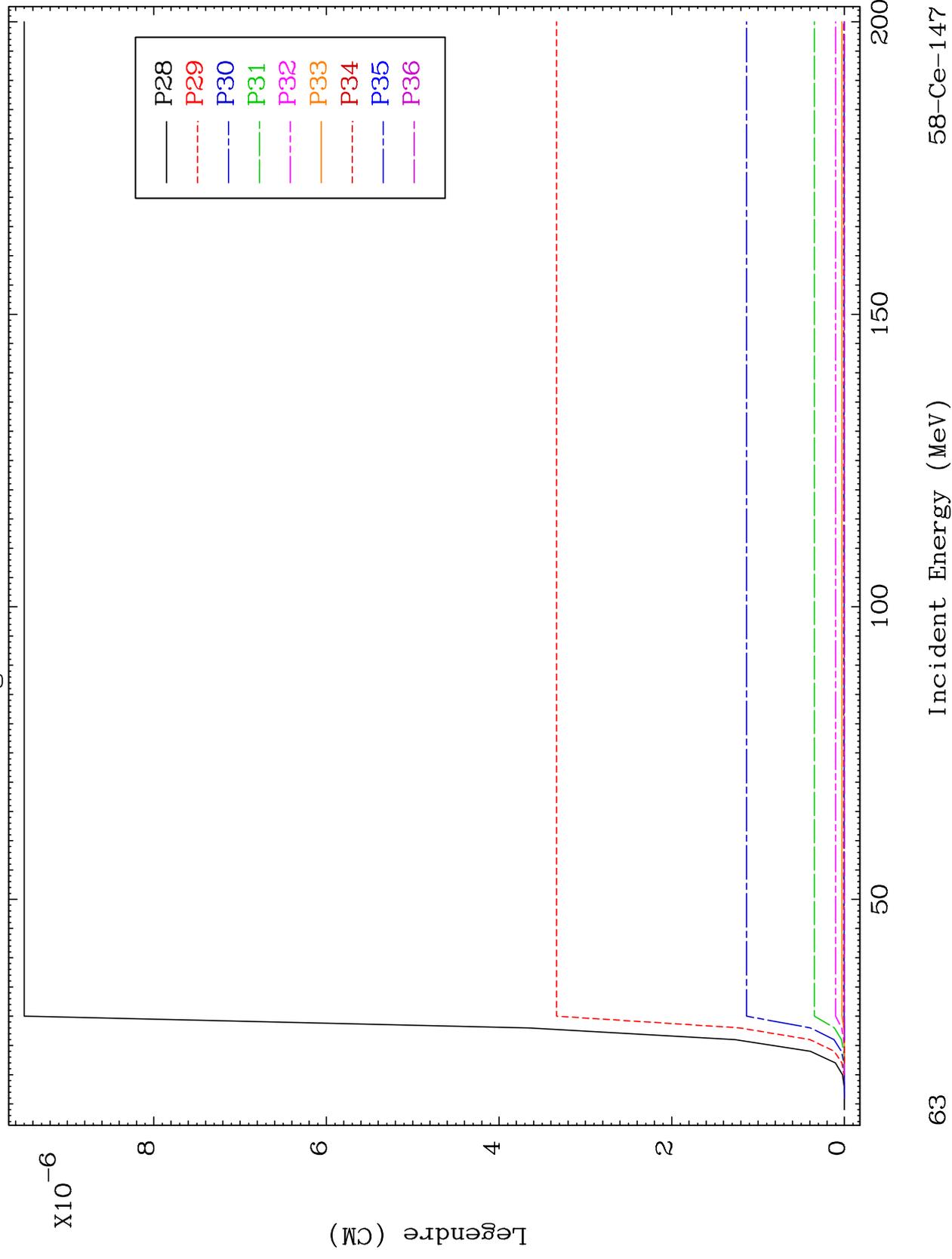
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



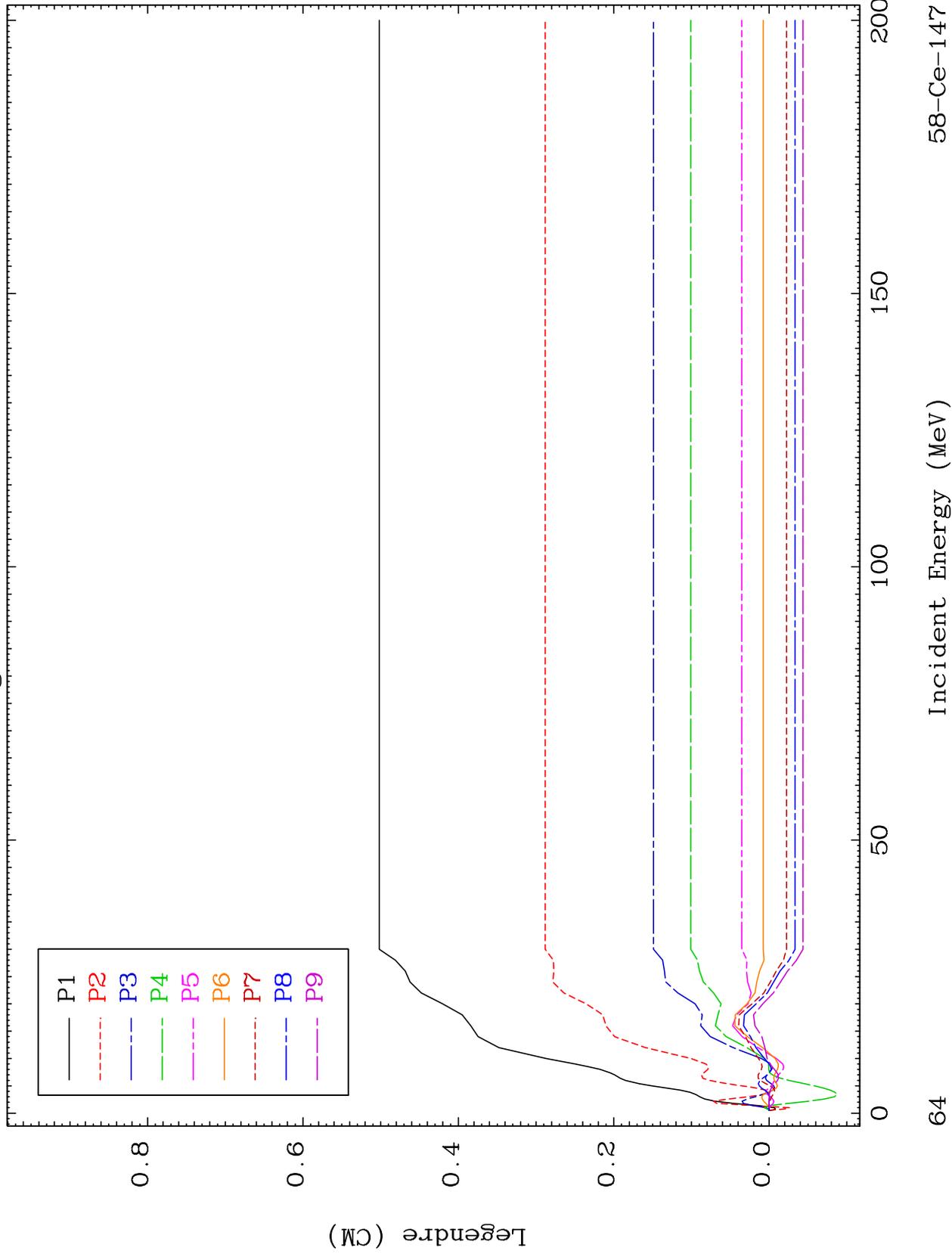
63

58-Ce-147

MAT 5858

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

58-Ce-147



58-Ce-147

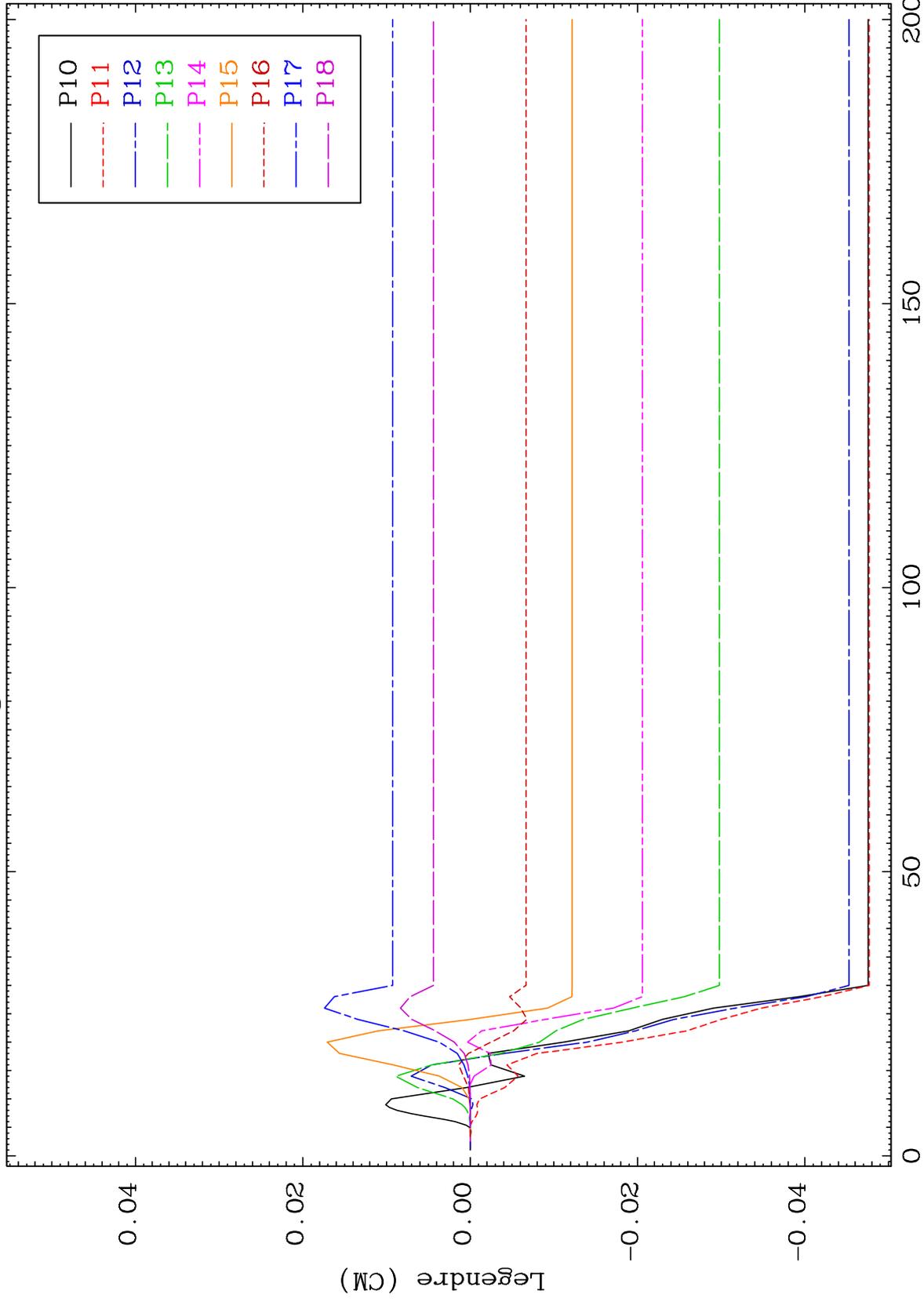
Incident Energy (MeV)

64

MAT 5858

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

58-Ce-147



65

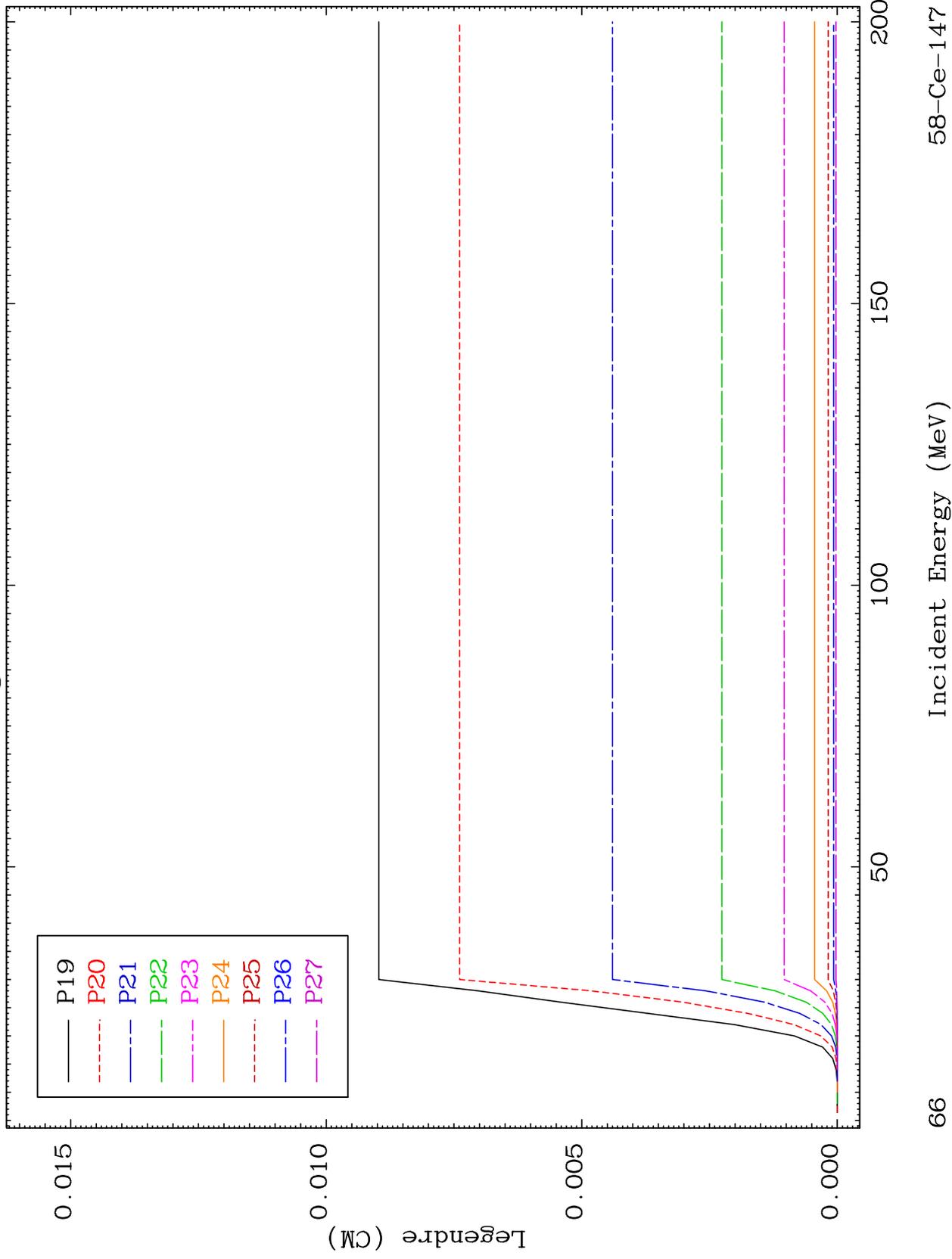
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



66

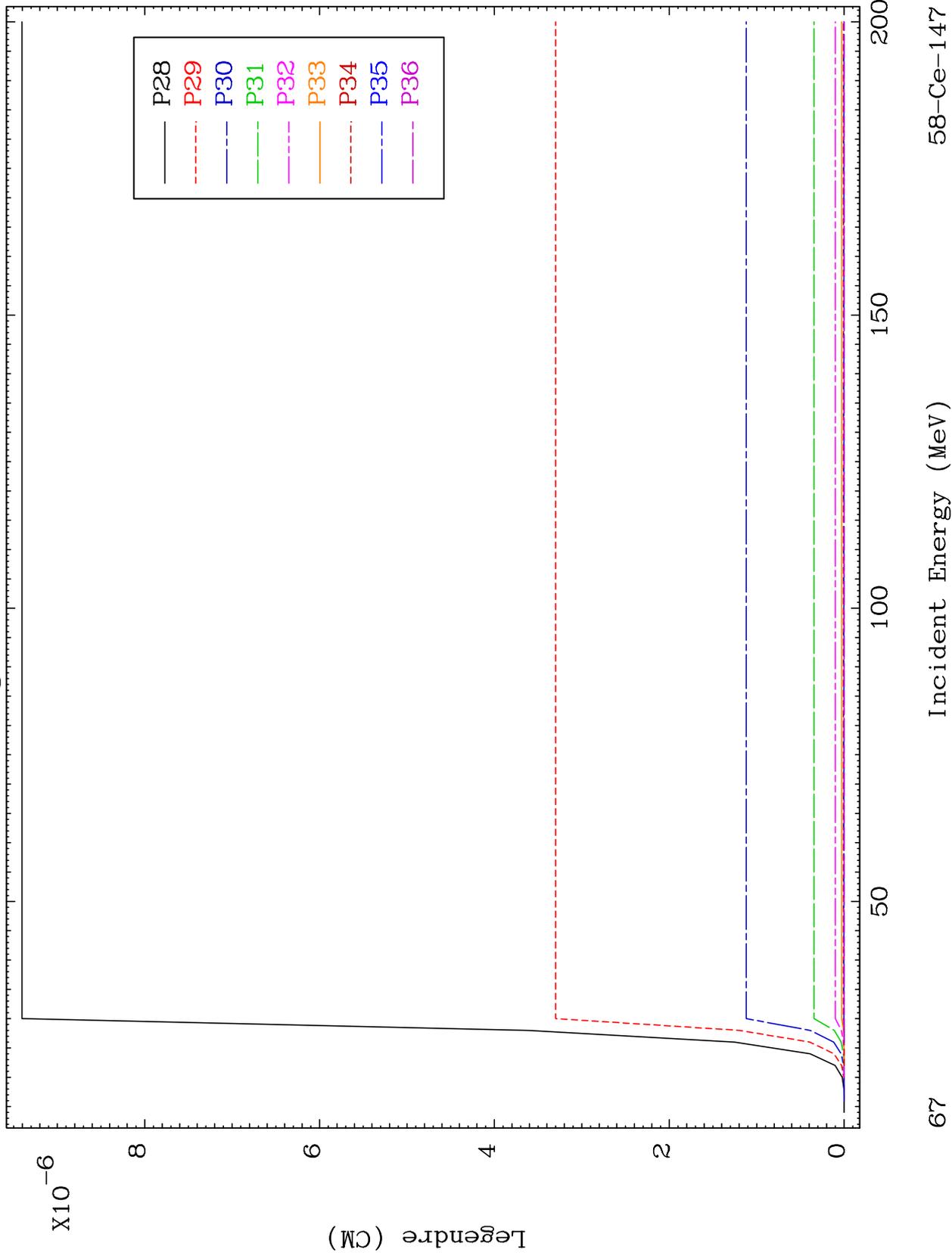
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

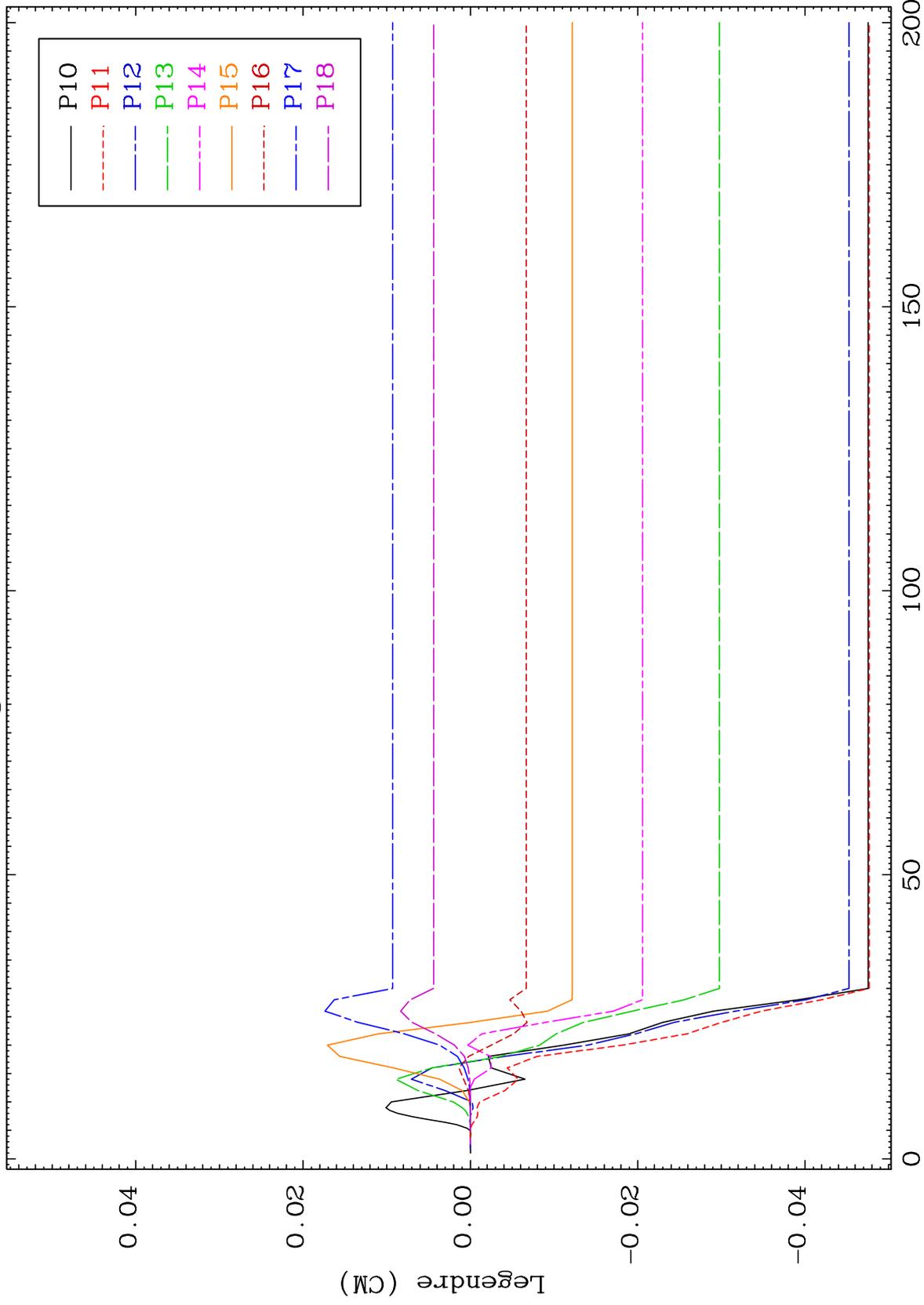
58-Ce-147



MAT 5858

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

58-Ce-147



69

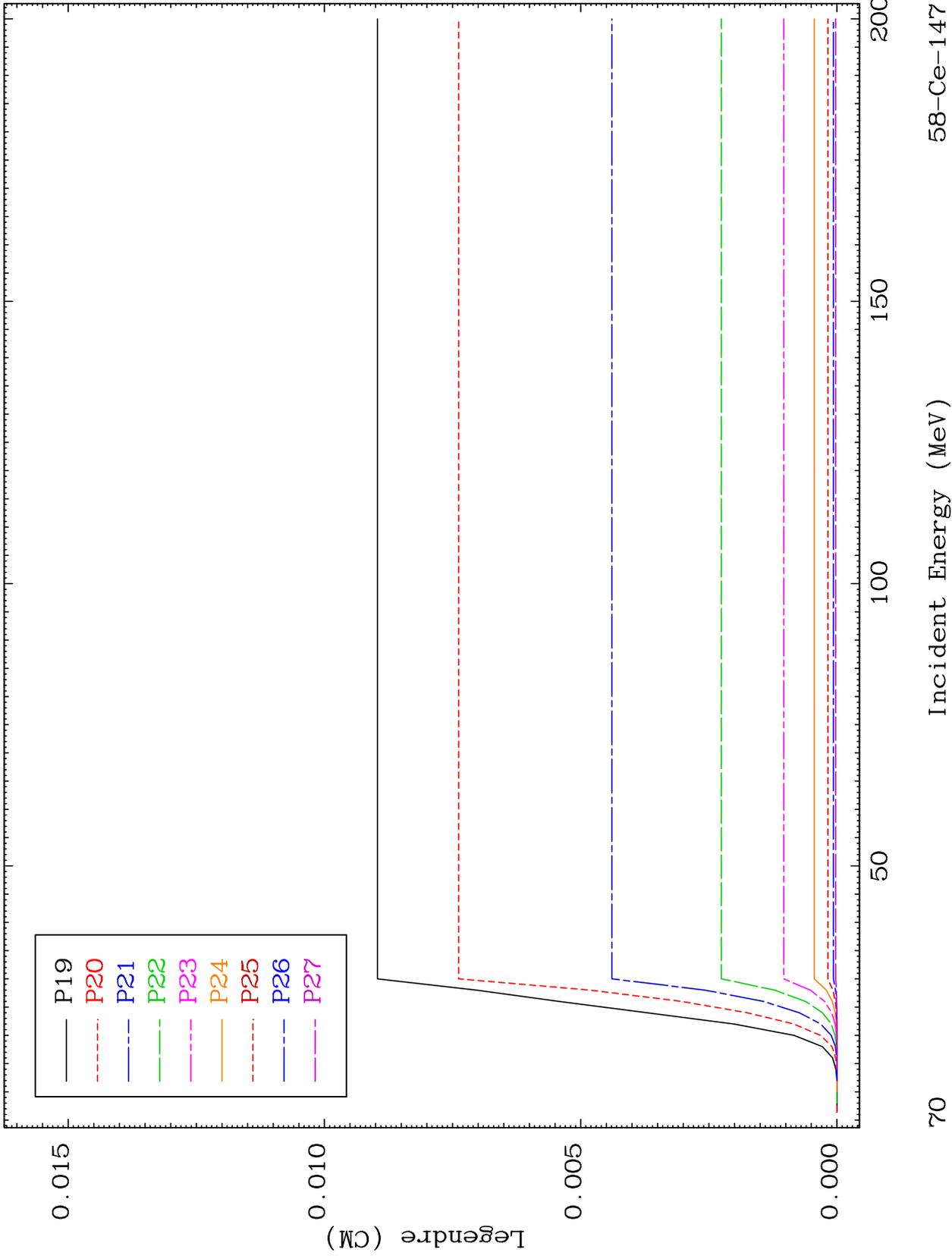
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



70

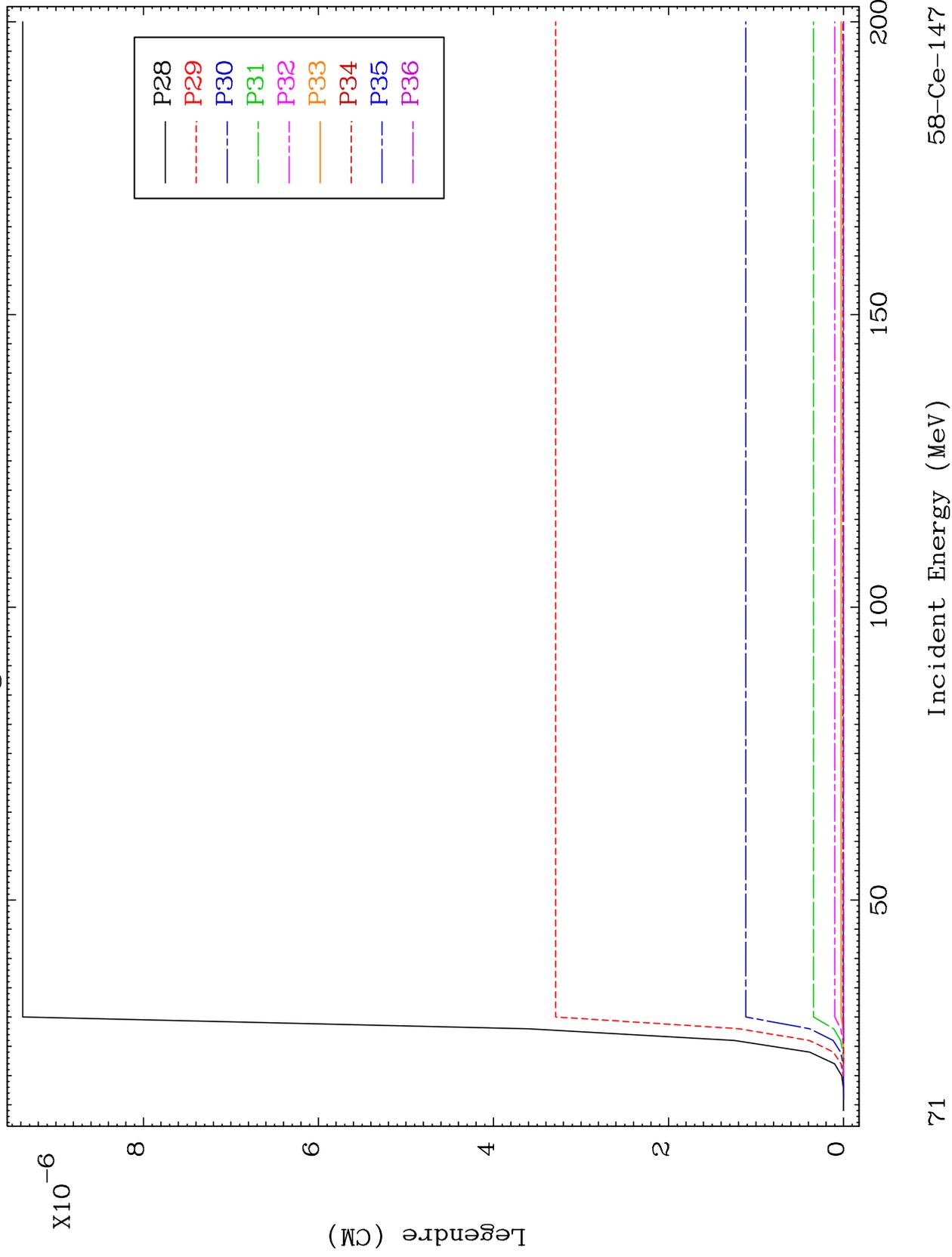
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

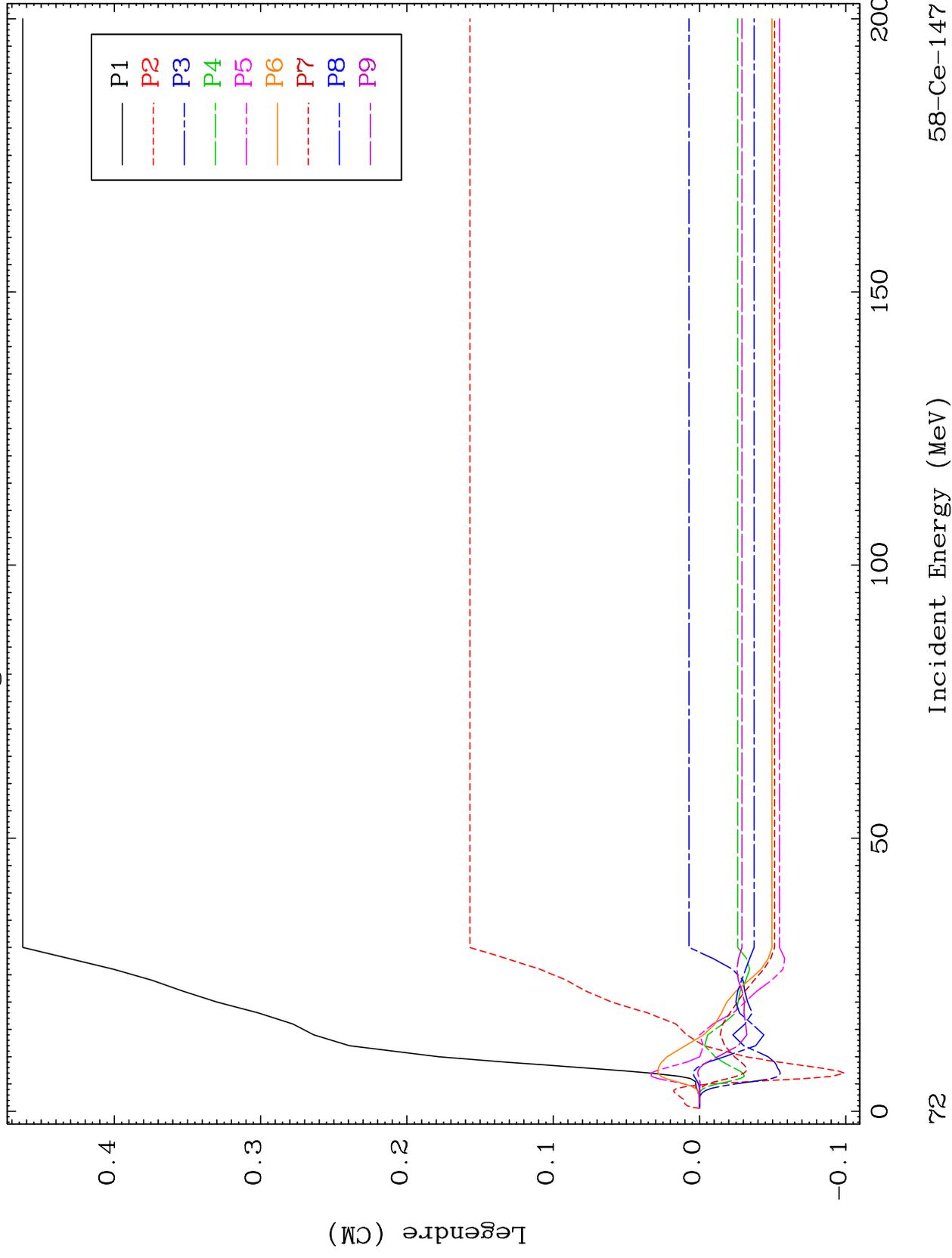
58-Ce-147



MAT 5858

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

58-Ce-147

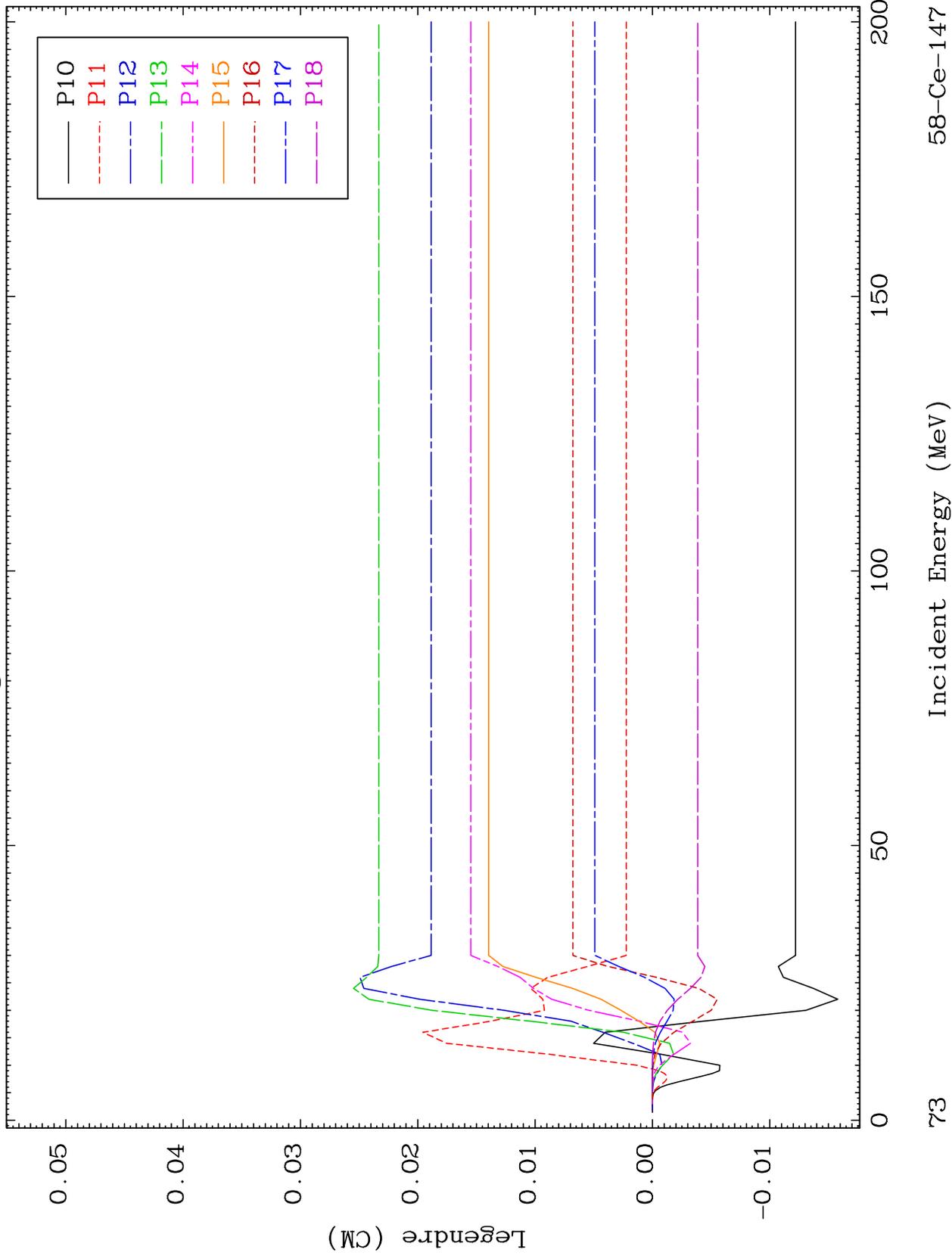


58-Ce-147

MAT 5858

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

58-Ce-147



58-Ce-147

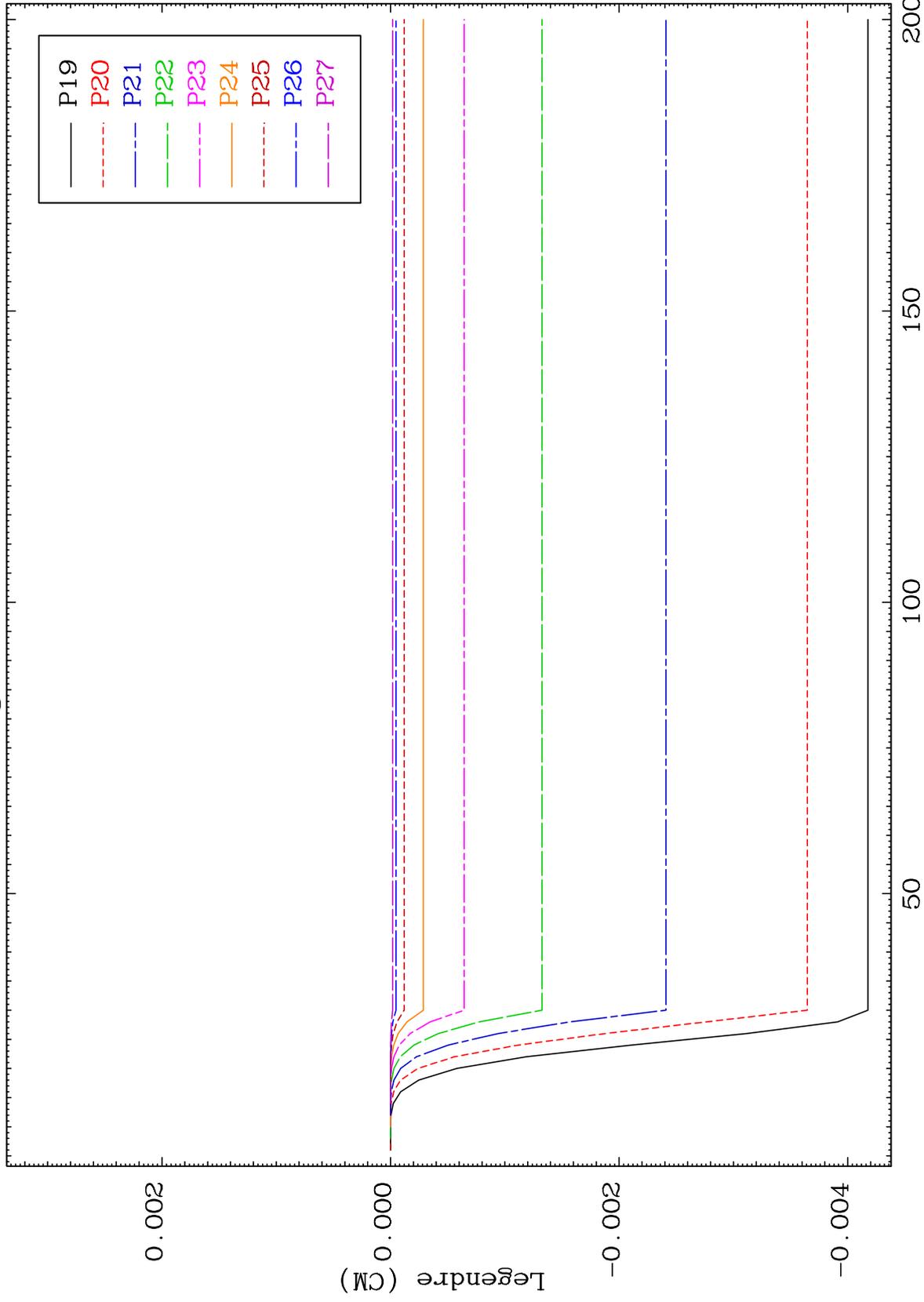
Incident Energy (MeV)

73

MAT 5858

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

58-Ce-147



74

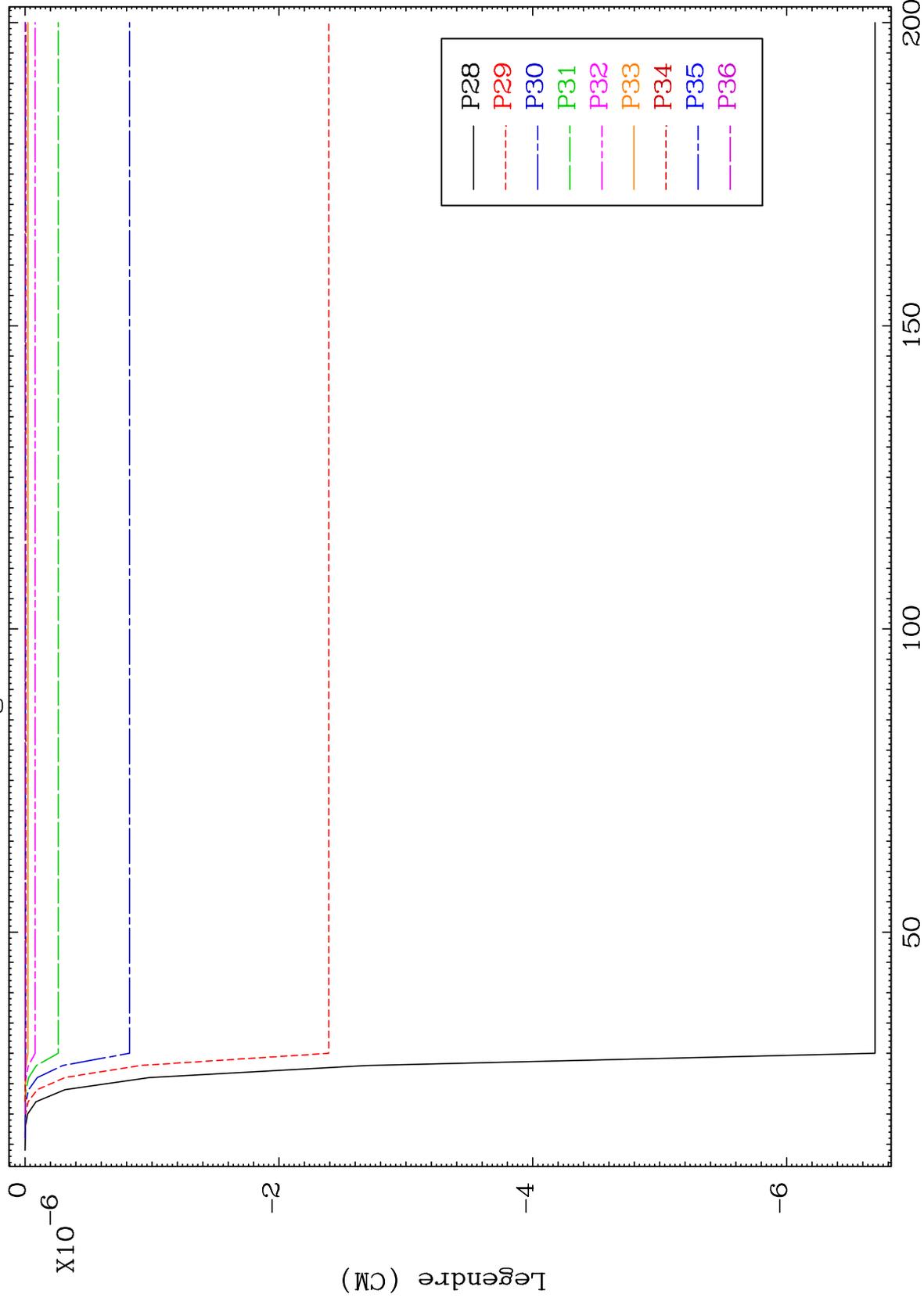
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

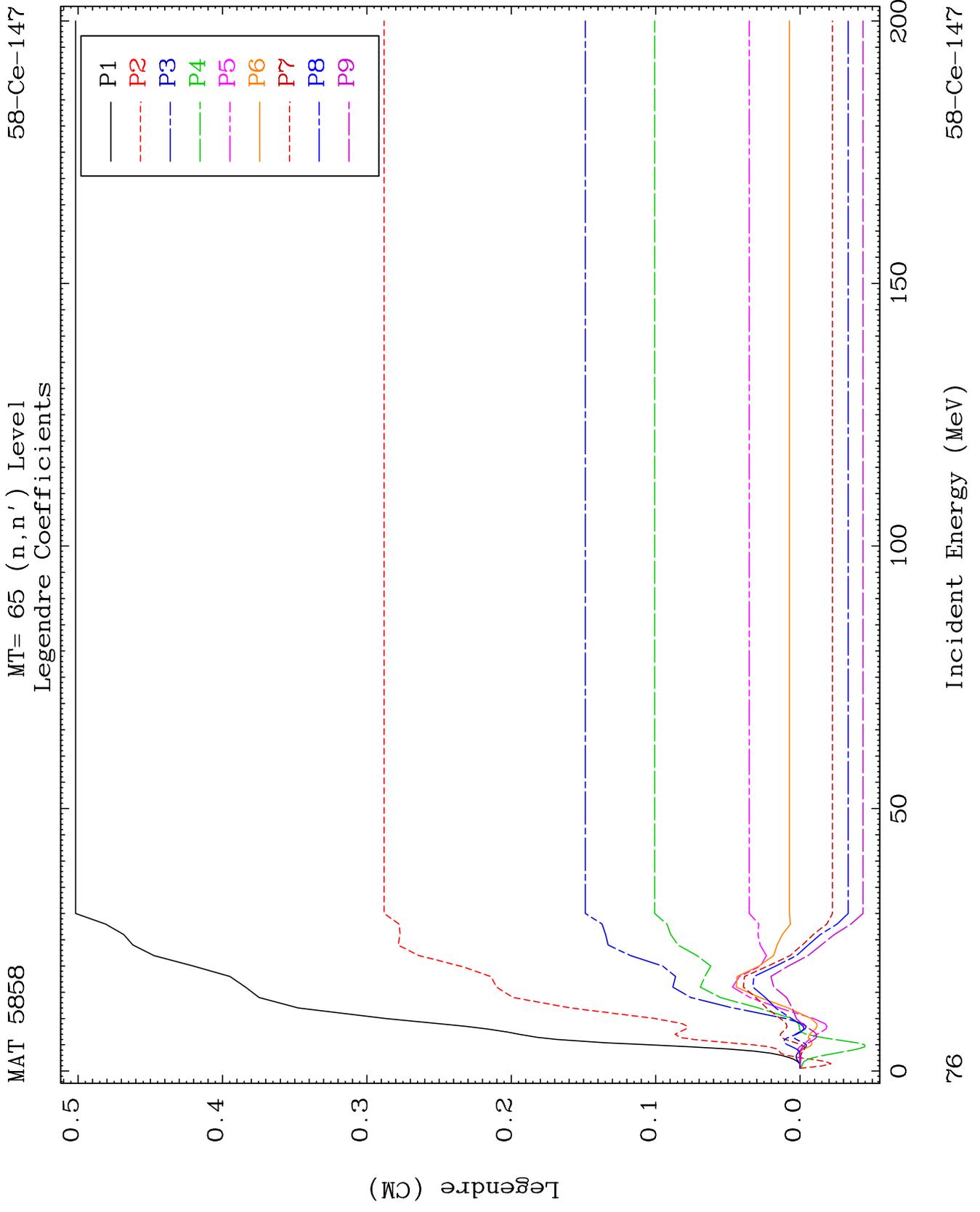
58-Ce-147



75

Incident Energy (MeV)

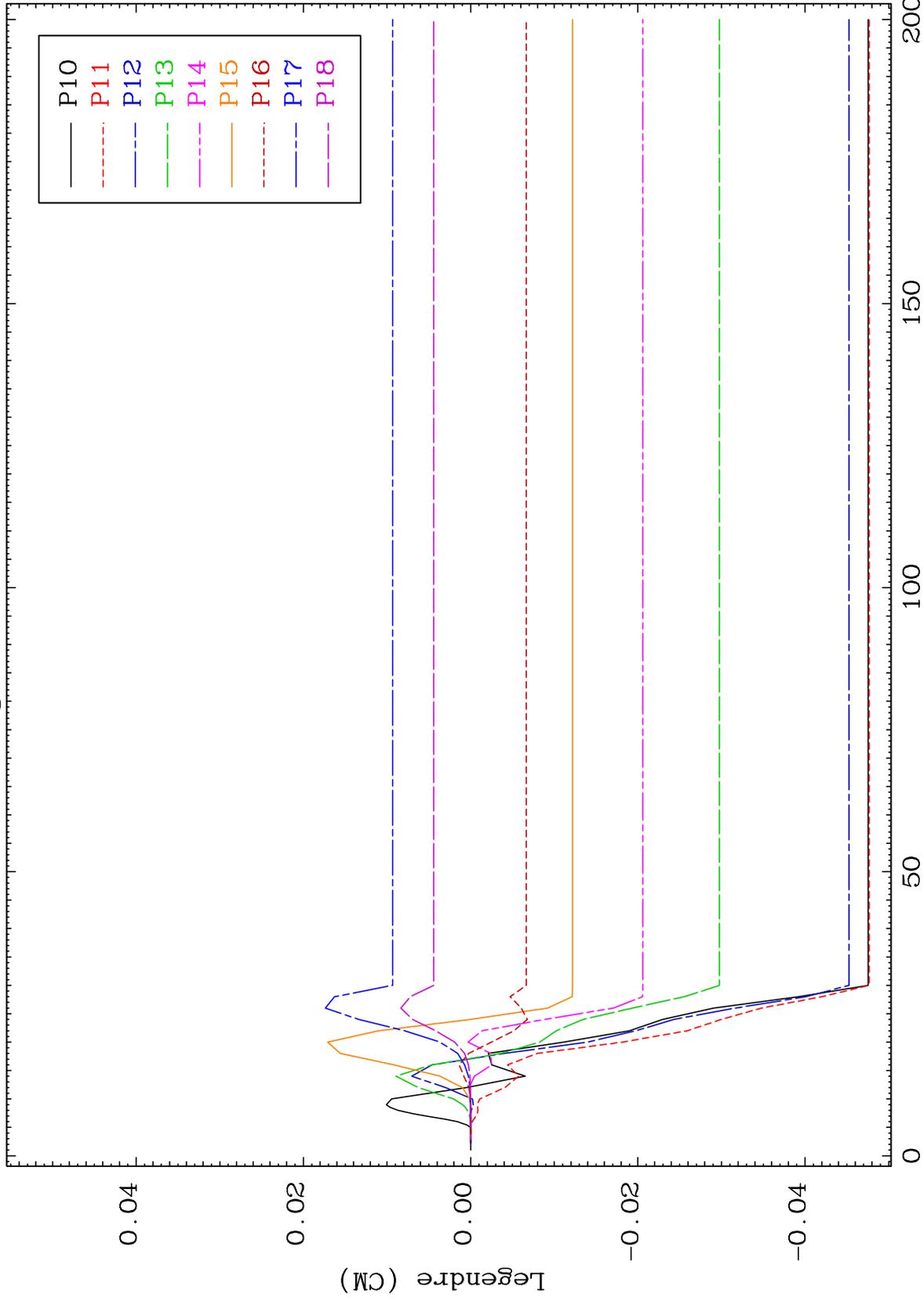
58-Ce-147



MAT 5858

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

58-Ce-147



77

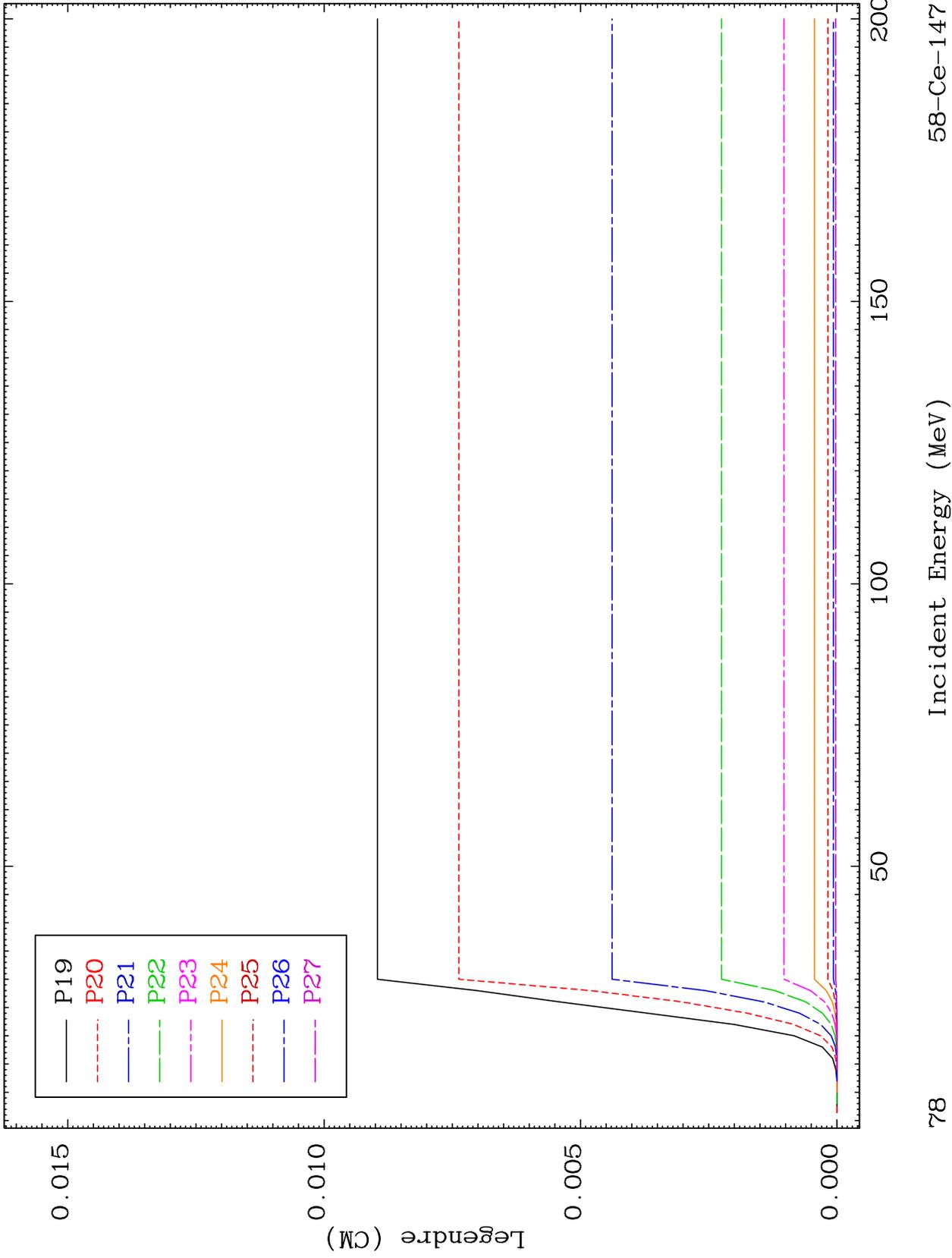
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



78

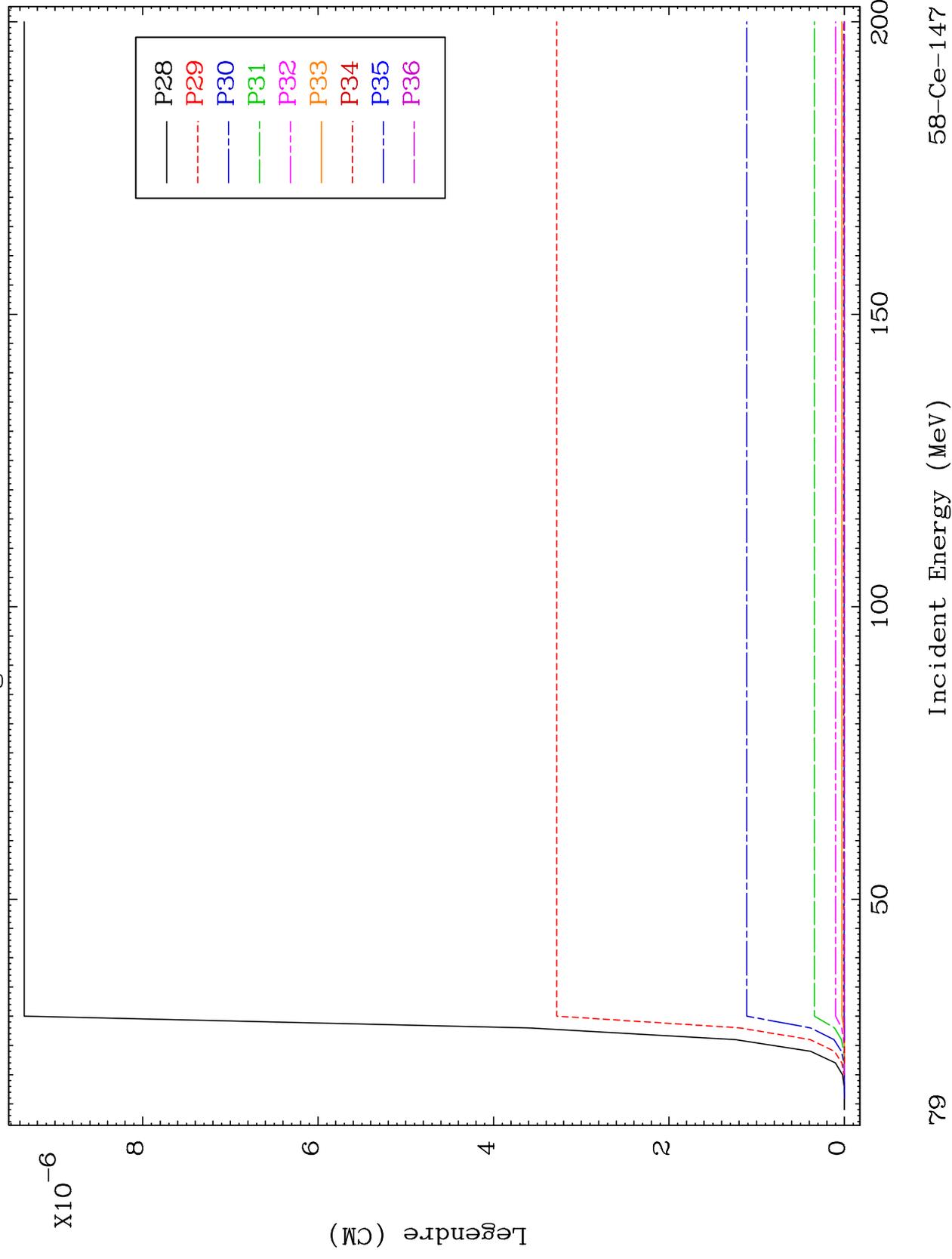
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

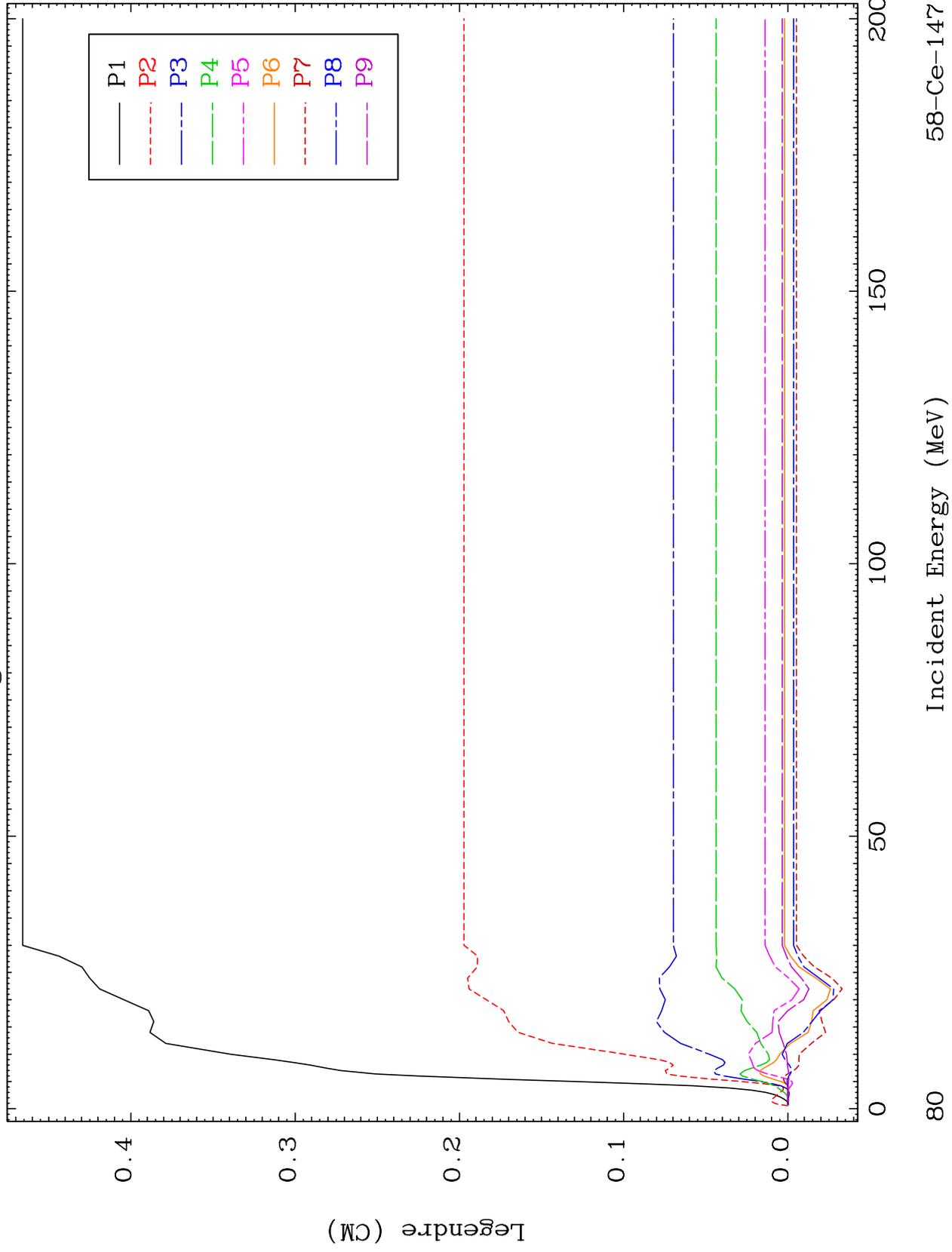
58-Ce-147



MAT 5858

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

58-Ce-147

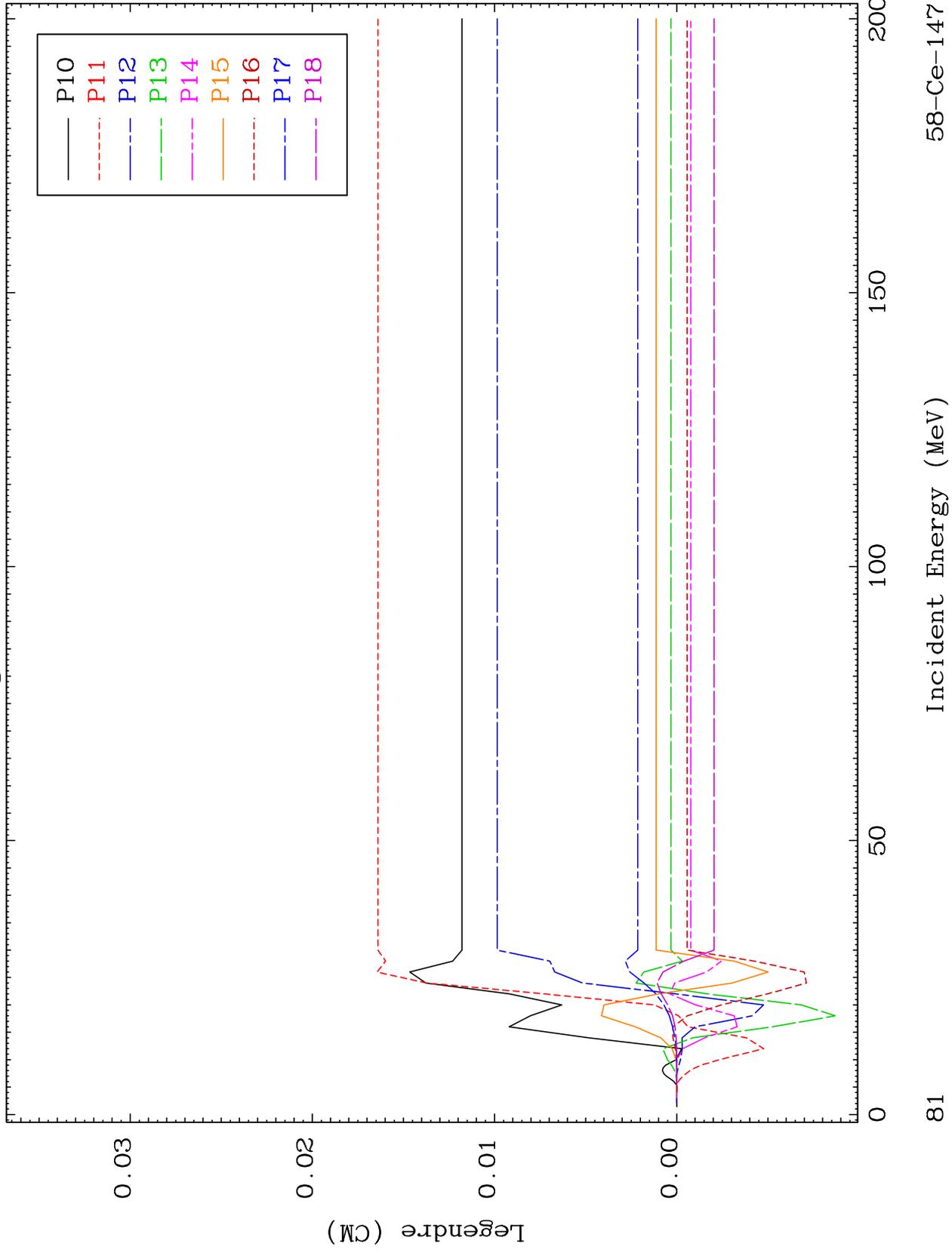


58-Ce-147

MAT 5858

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

58-Ce-147



58-Ce-147

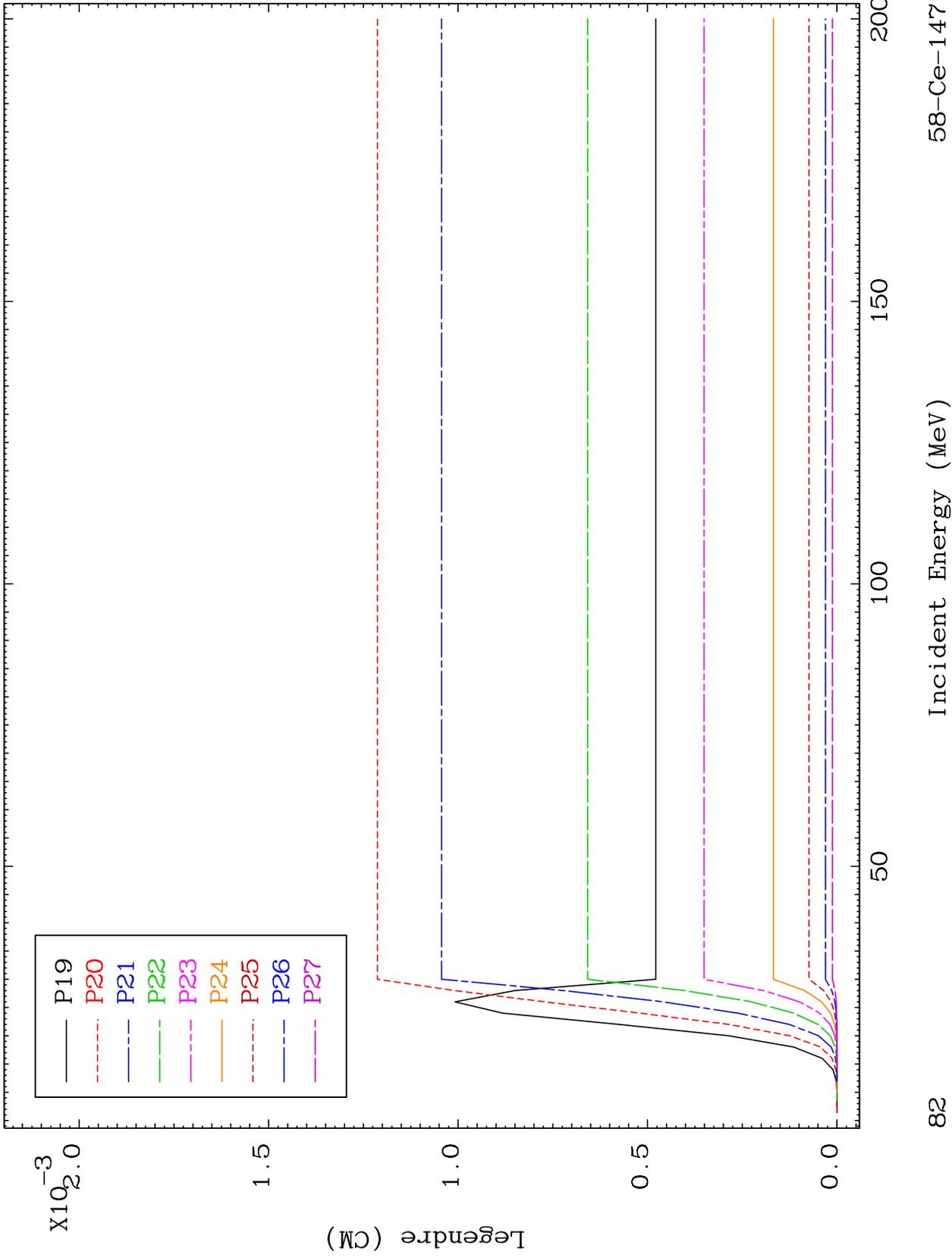
Incident Energy (MeV)

81

MAT 5858

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

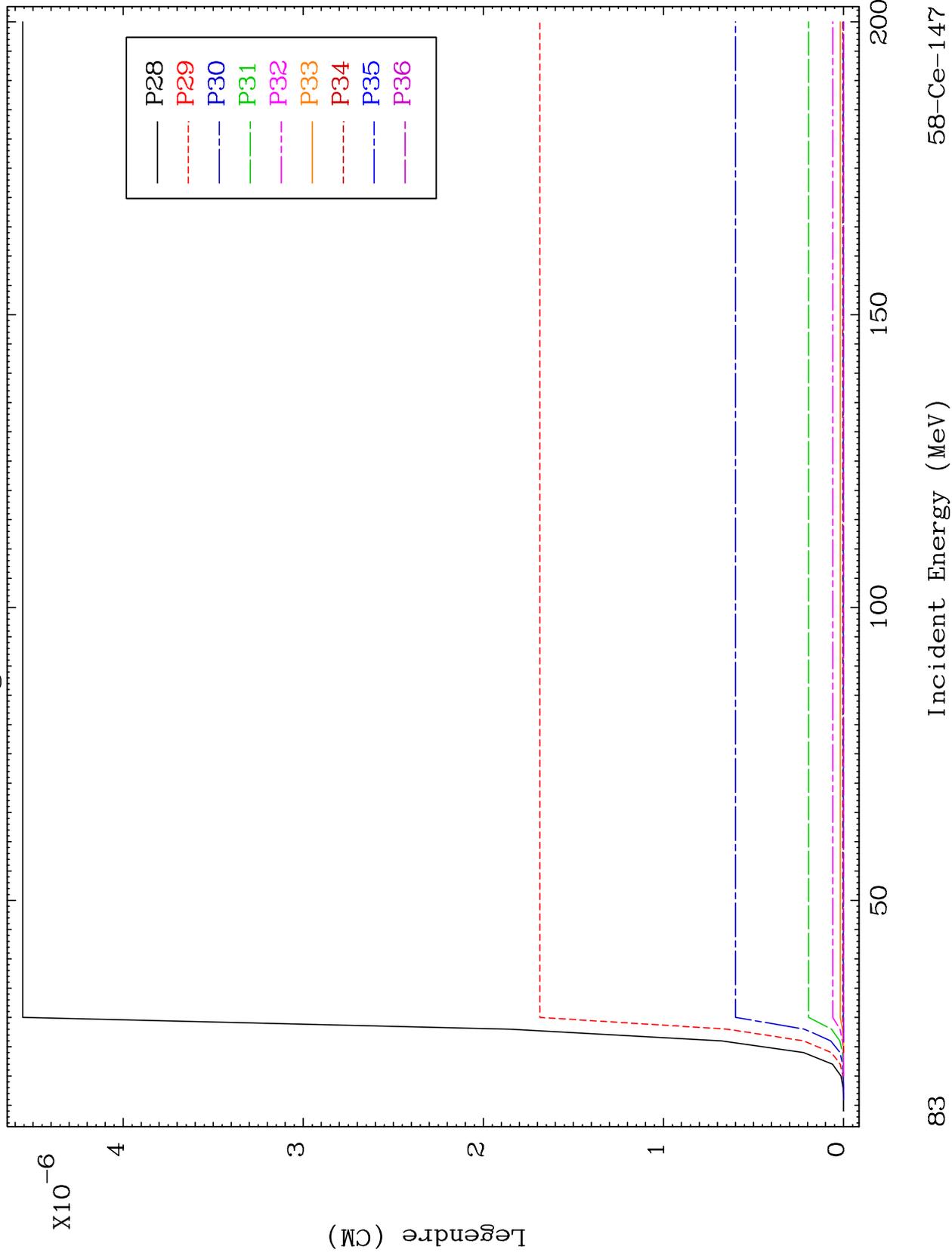
58-Ce-147



MAT 5858

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

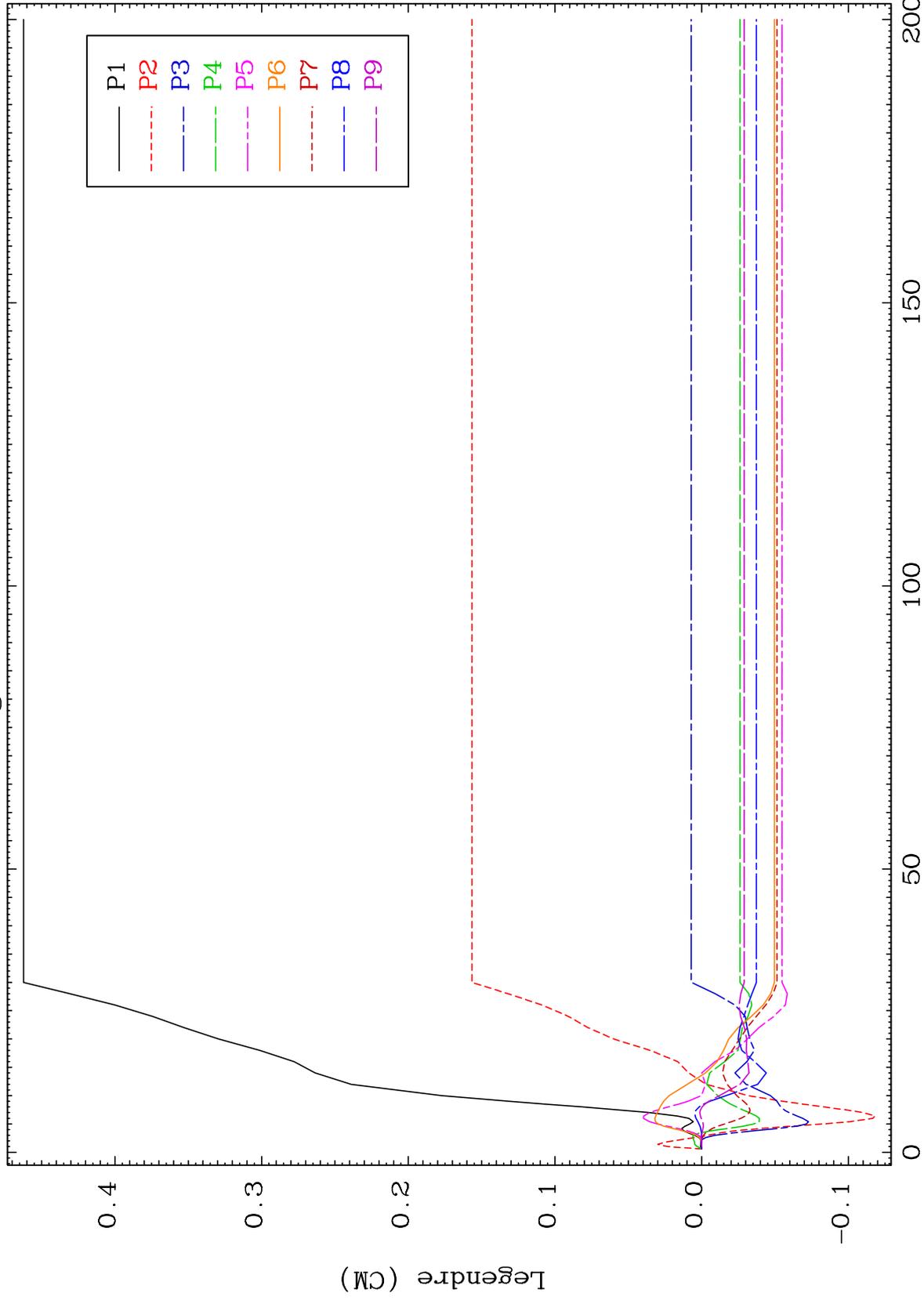
58-Ce-147



MAT 5858

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

58-Ce-147



84

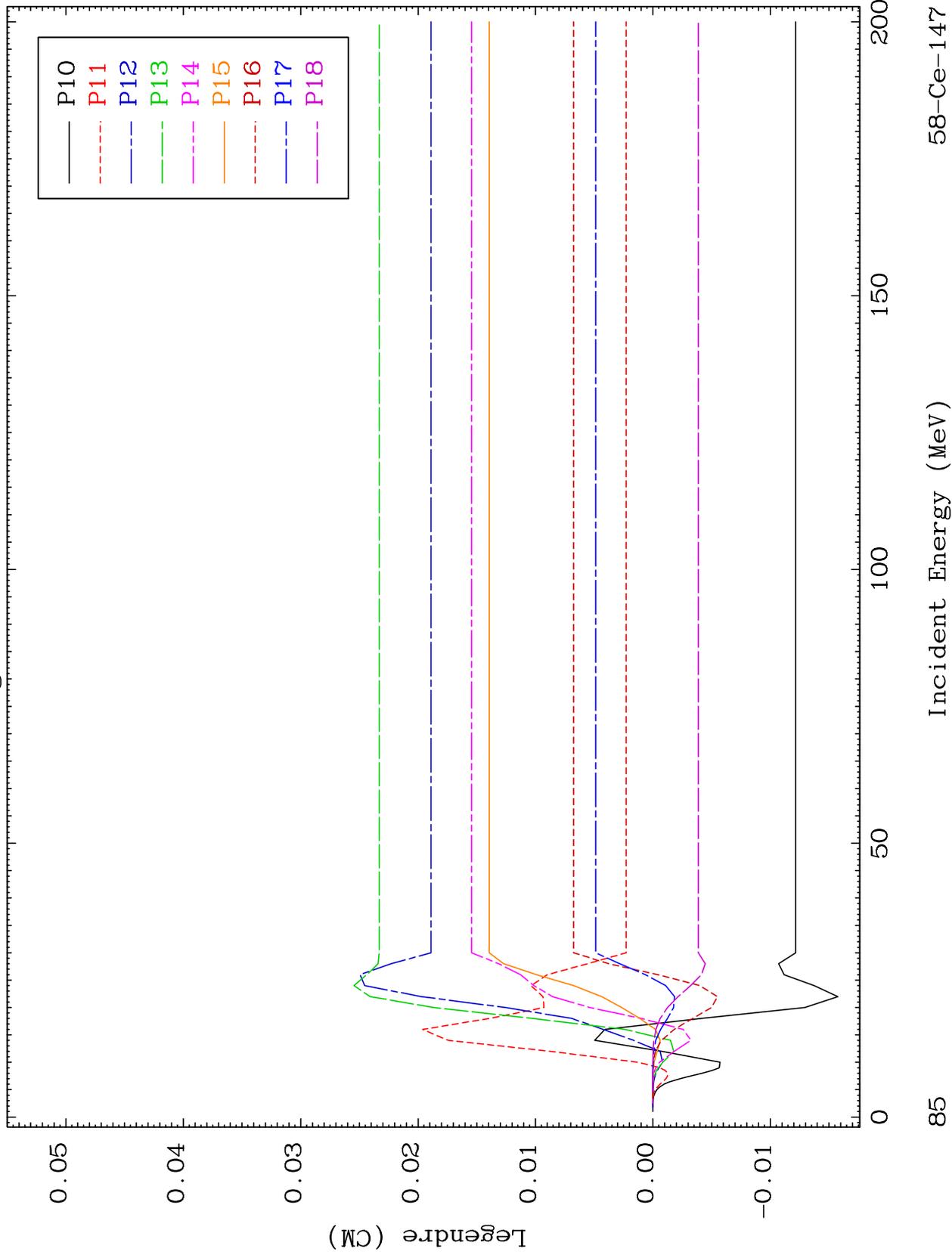
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

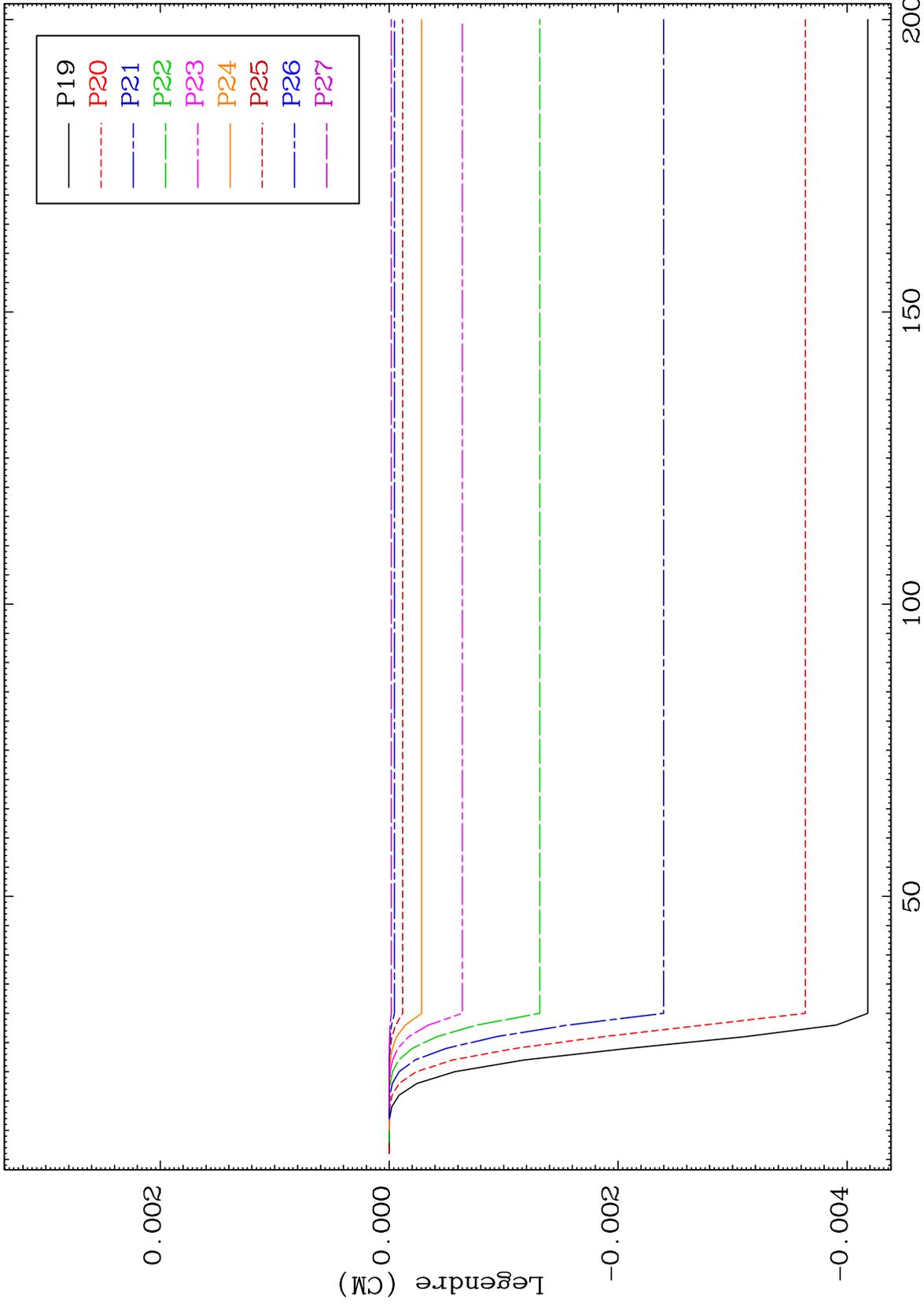
58-Ce-147



MAT 5858

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

58-Ce-147



86

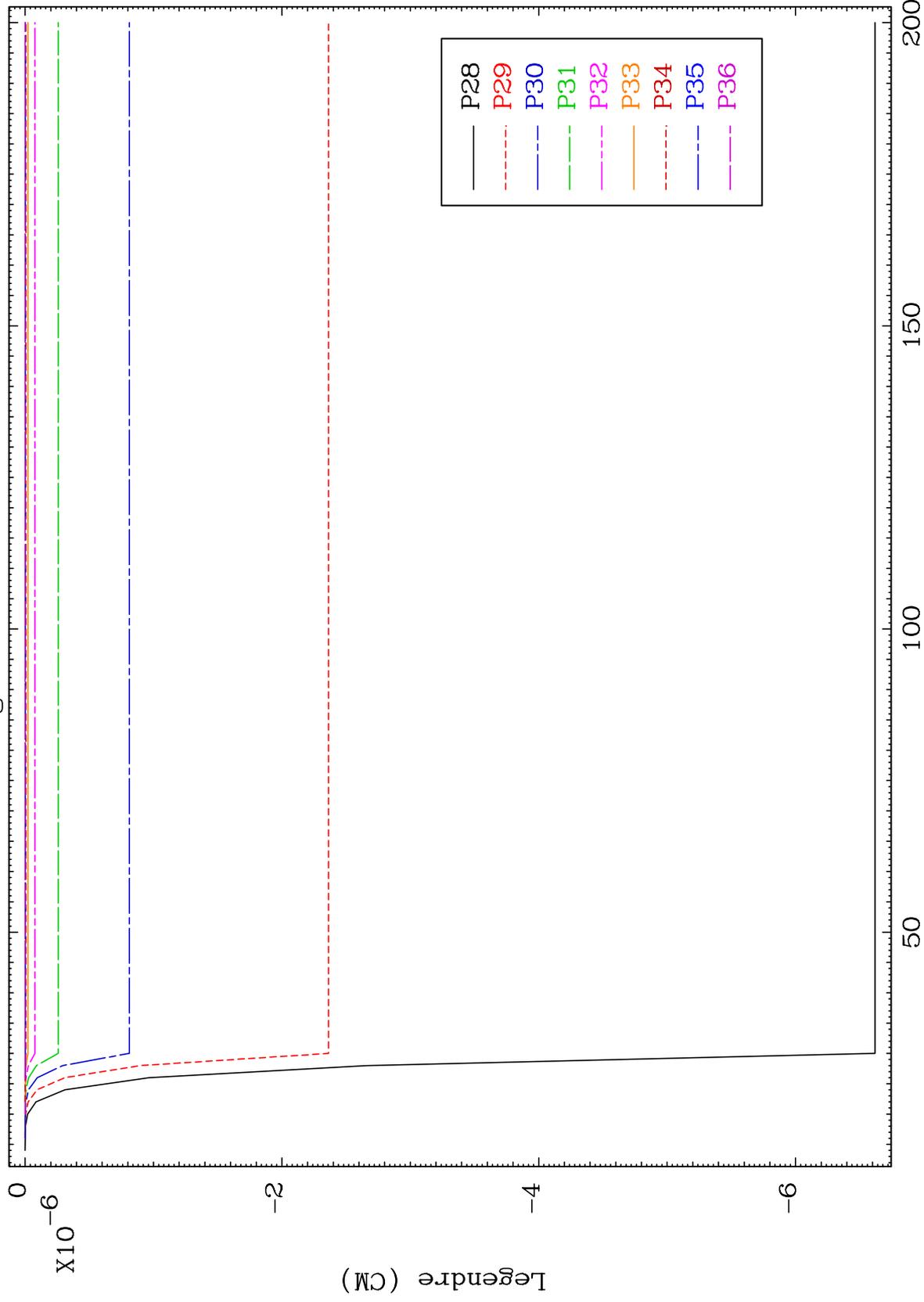
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

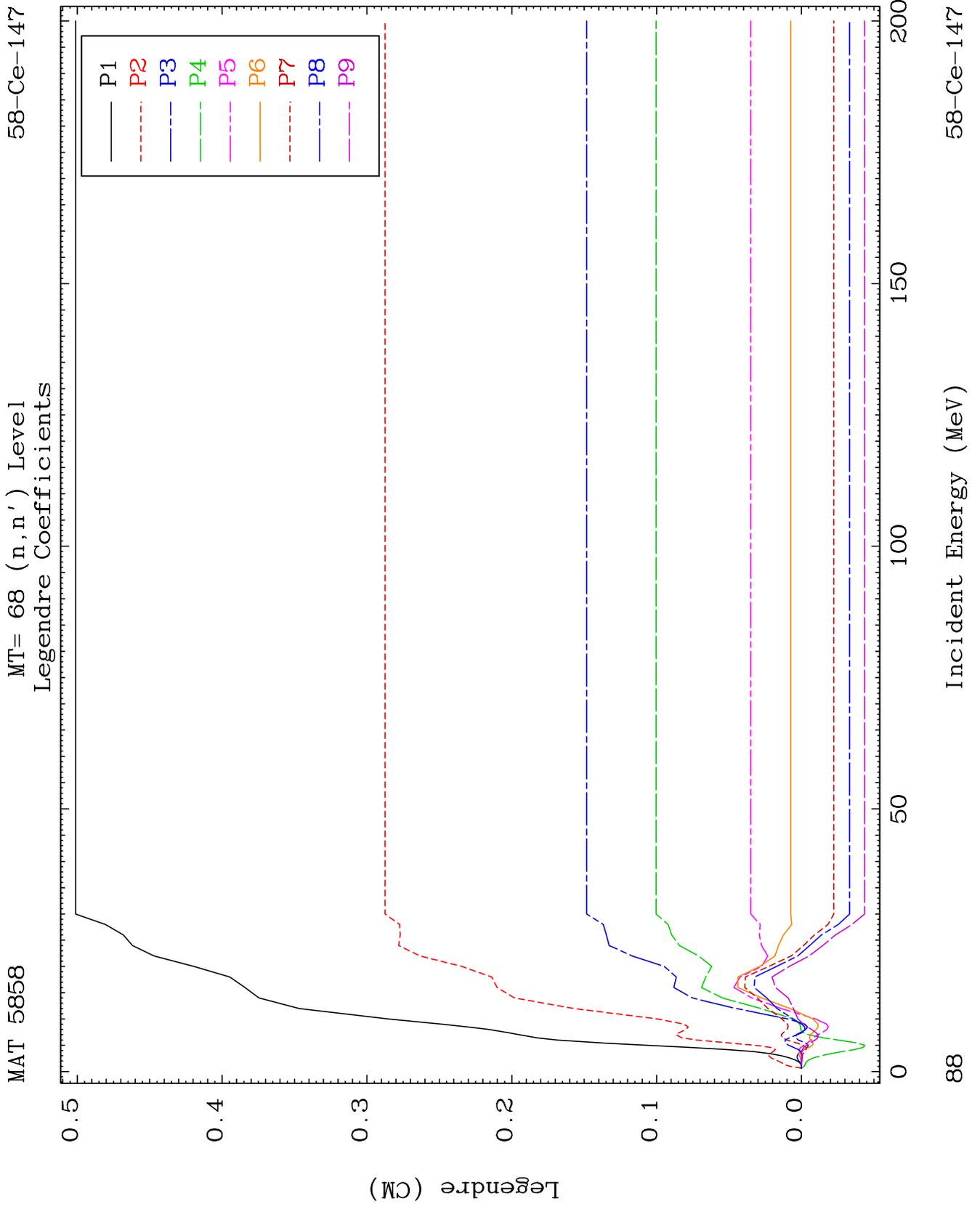
58-Ce-147



87

Incident Energy (MeV)

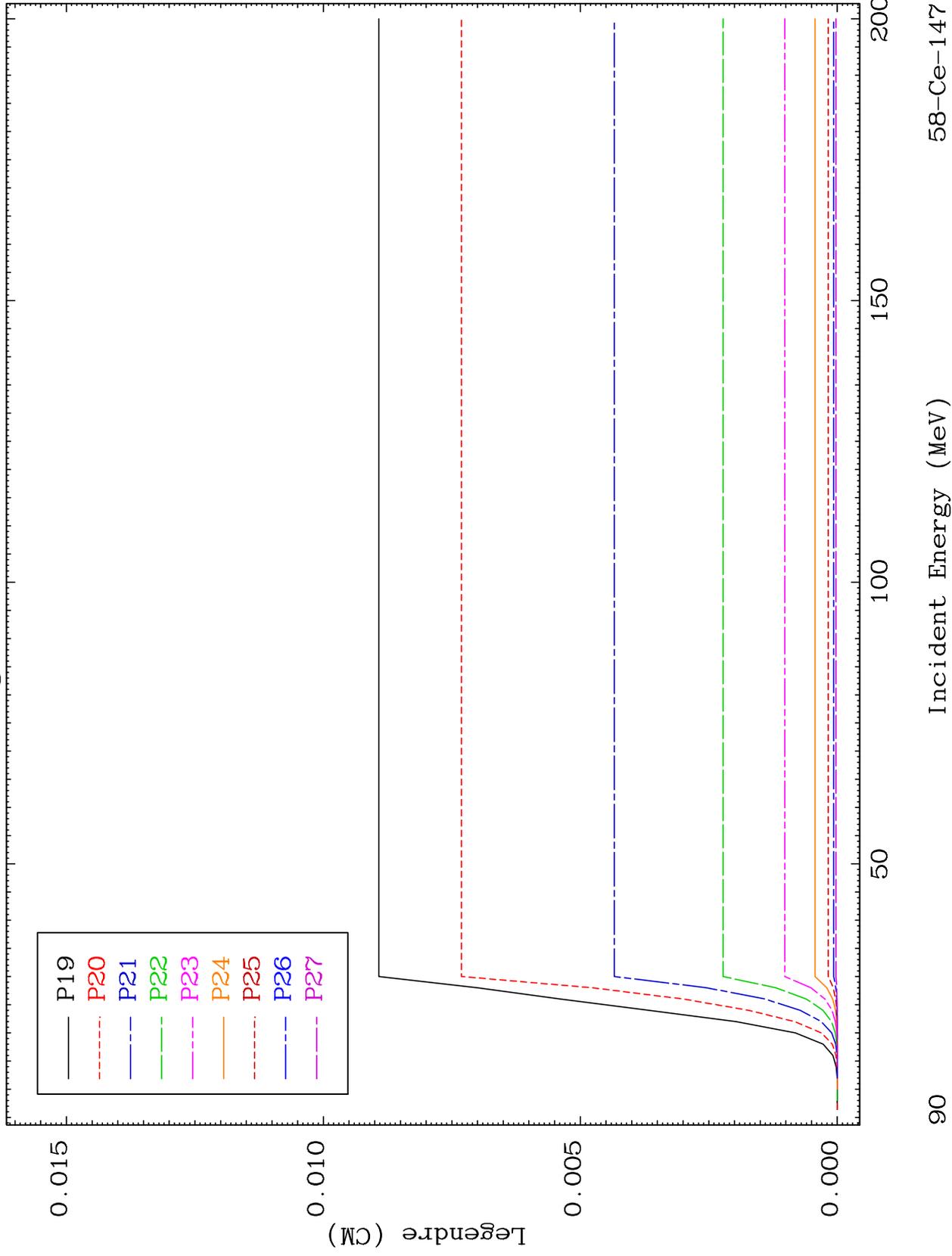
58-Ce-147



MAT 5858

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

58-Ce-147



58-Ce-147

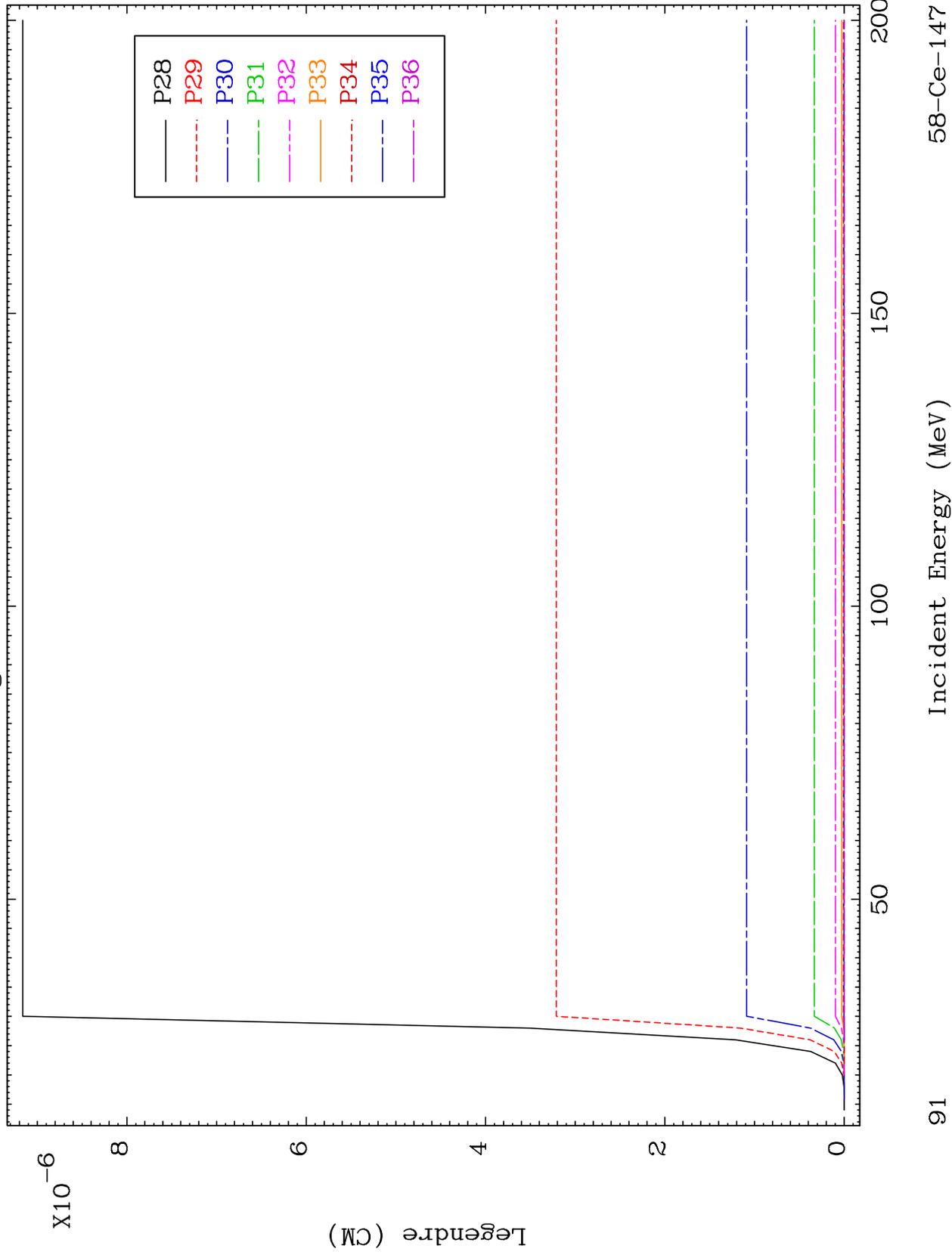
Incident Energy (MeV)

90

MAT 5858

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

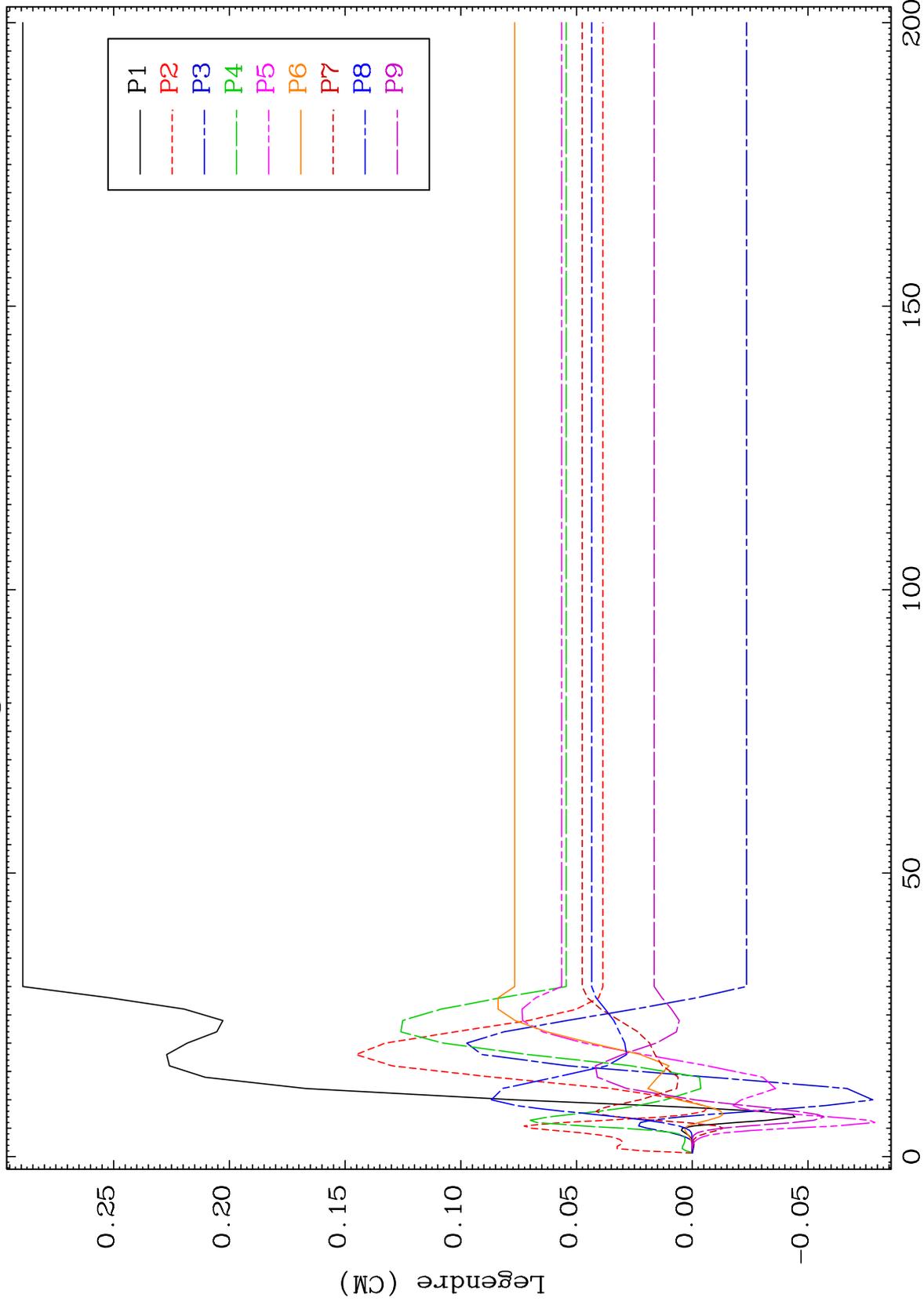
58-Ce-147



MAT 5858

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

58-Ce-147



92

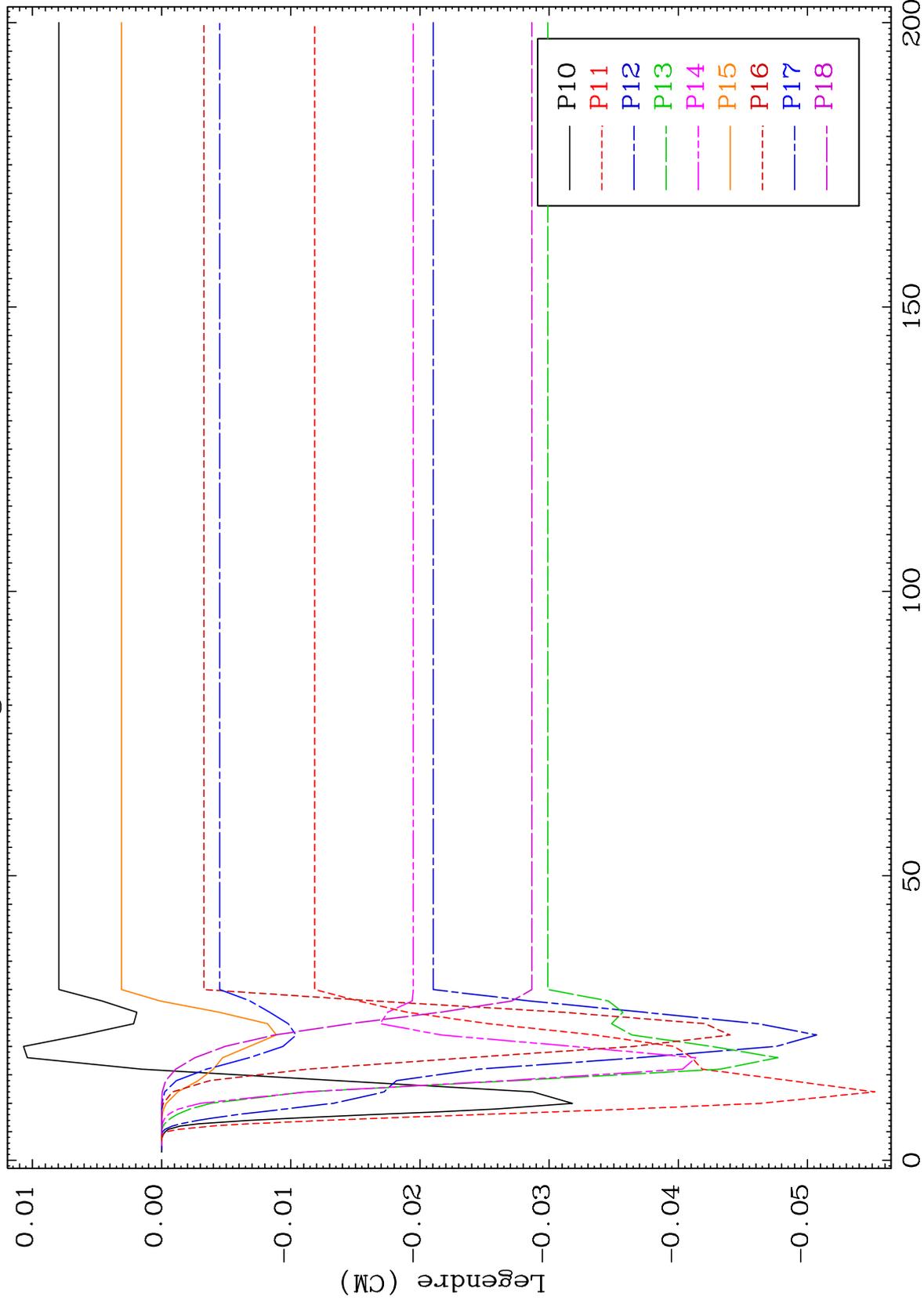
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



93

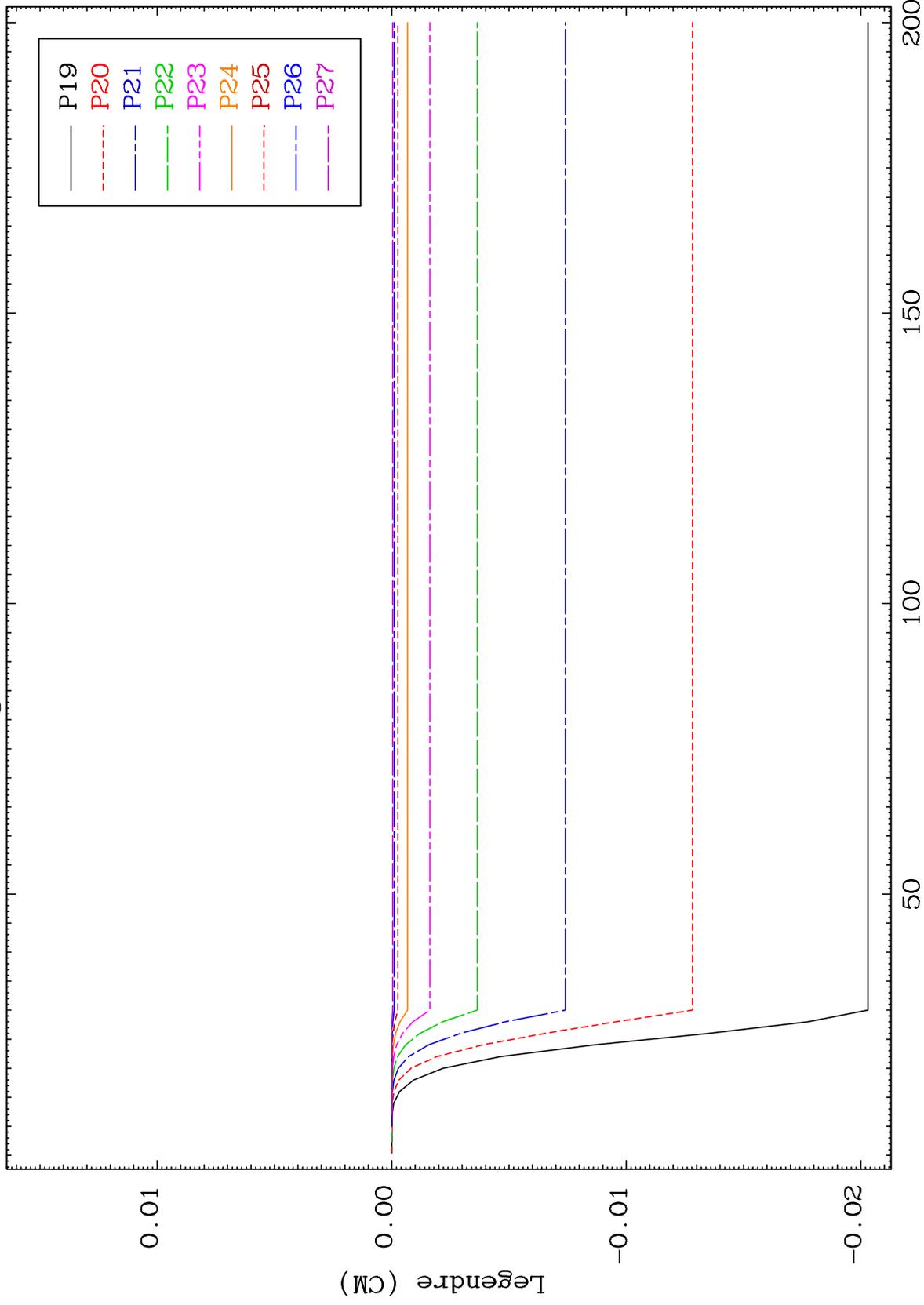
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

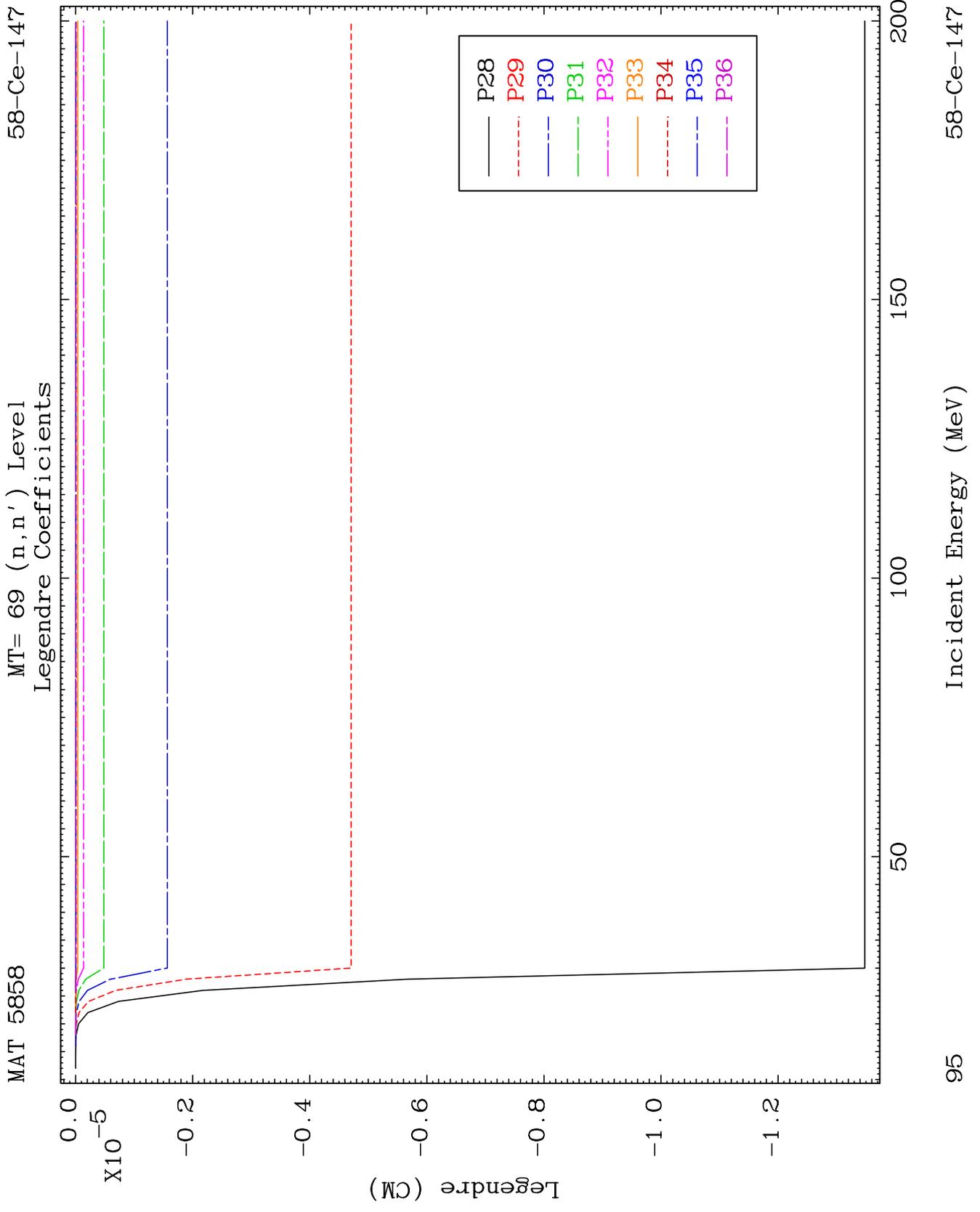
58-Ce-147

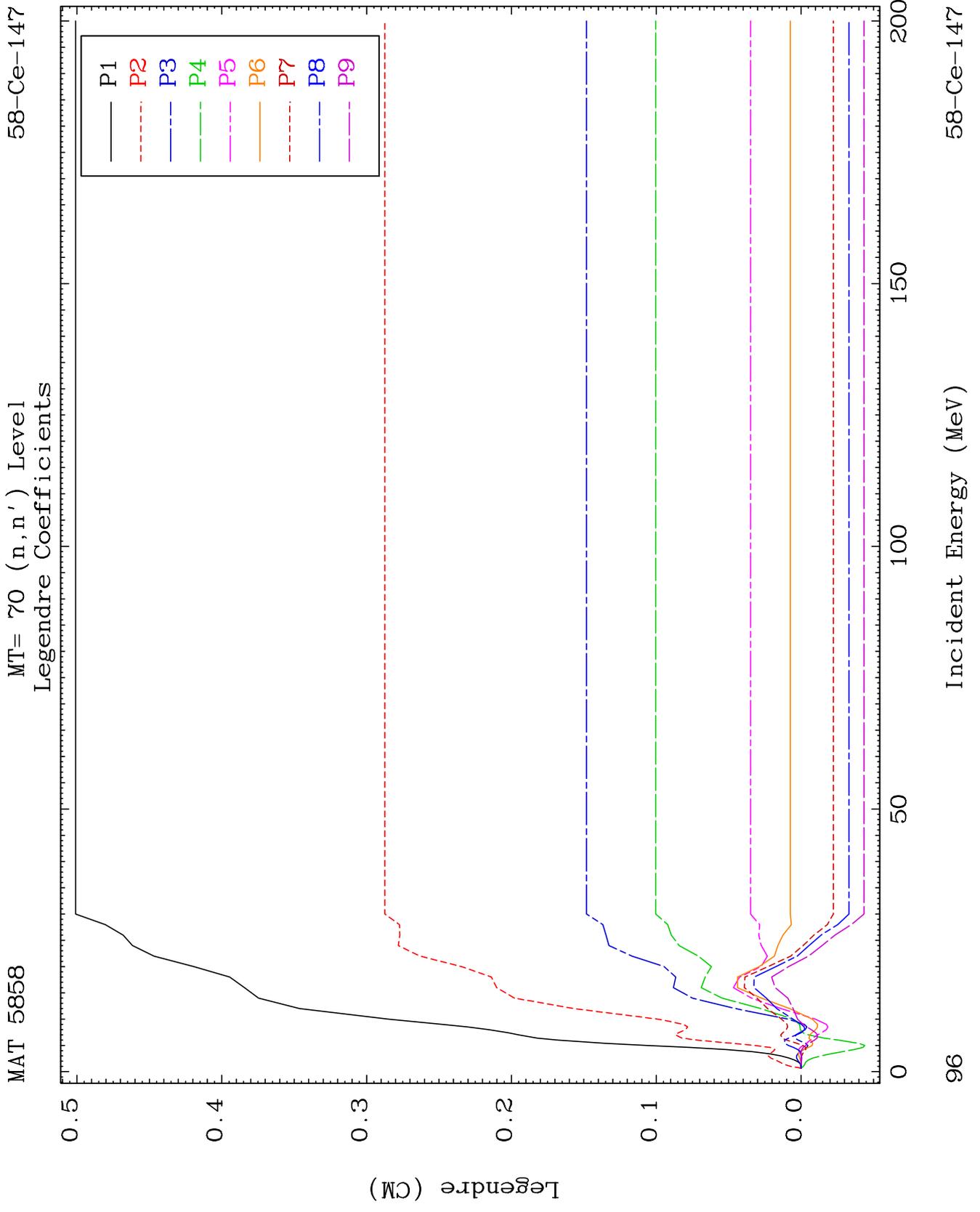


94

Incident Energy (MeV)

58-Ce-147

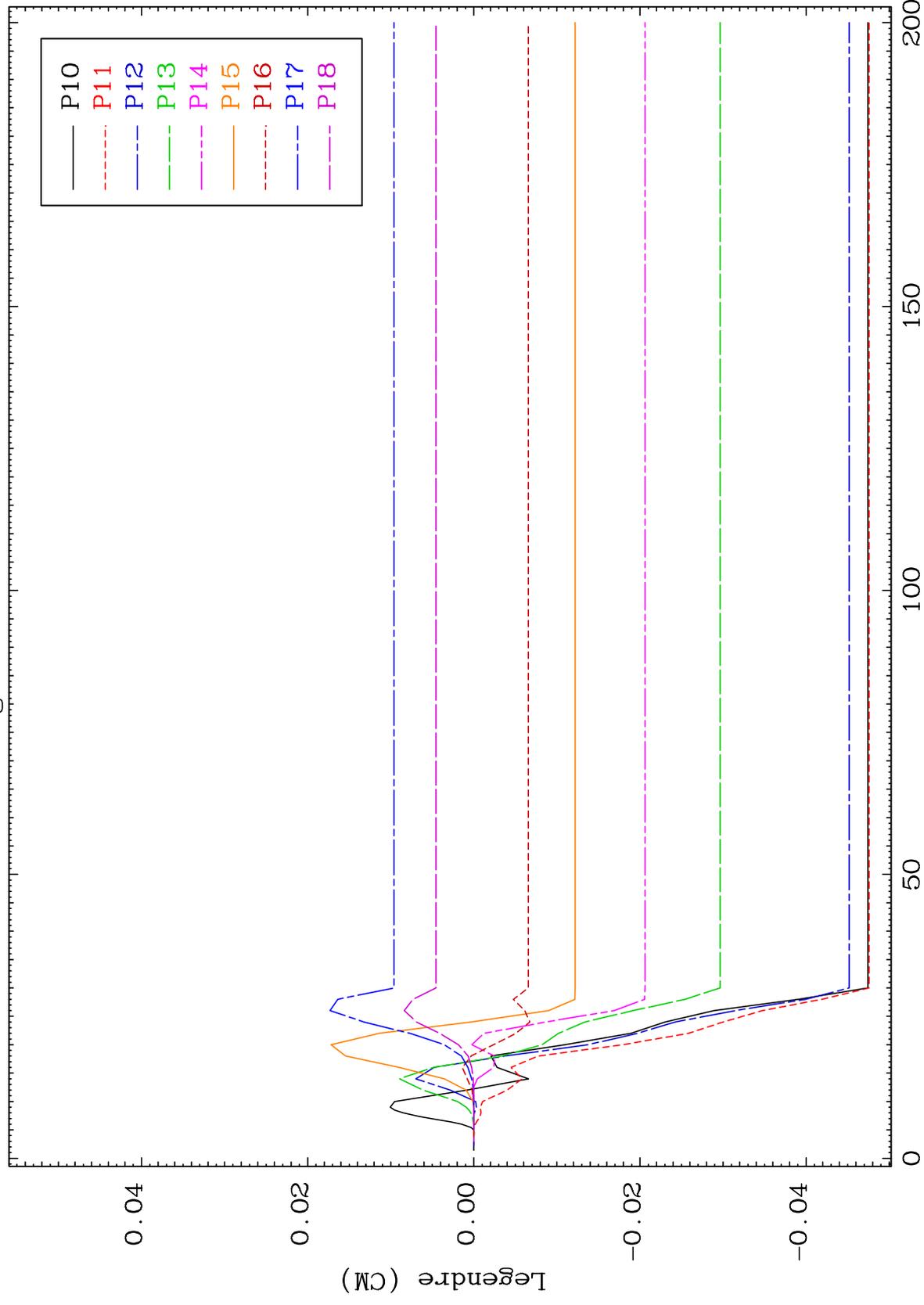




MAT 5858

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

58-Ce-147



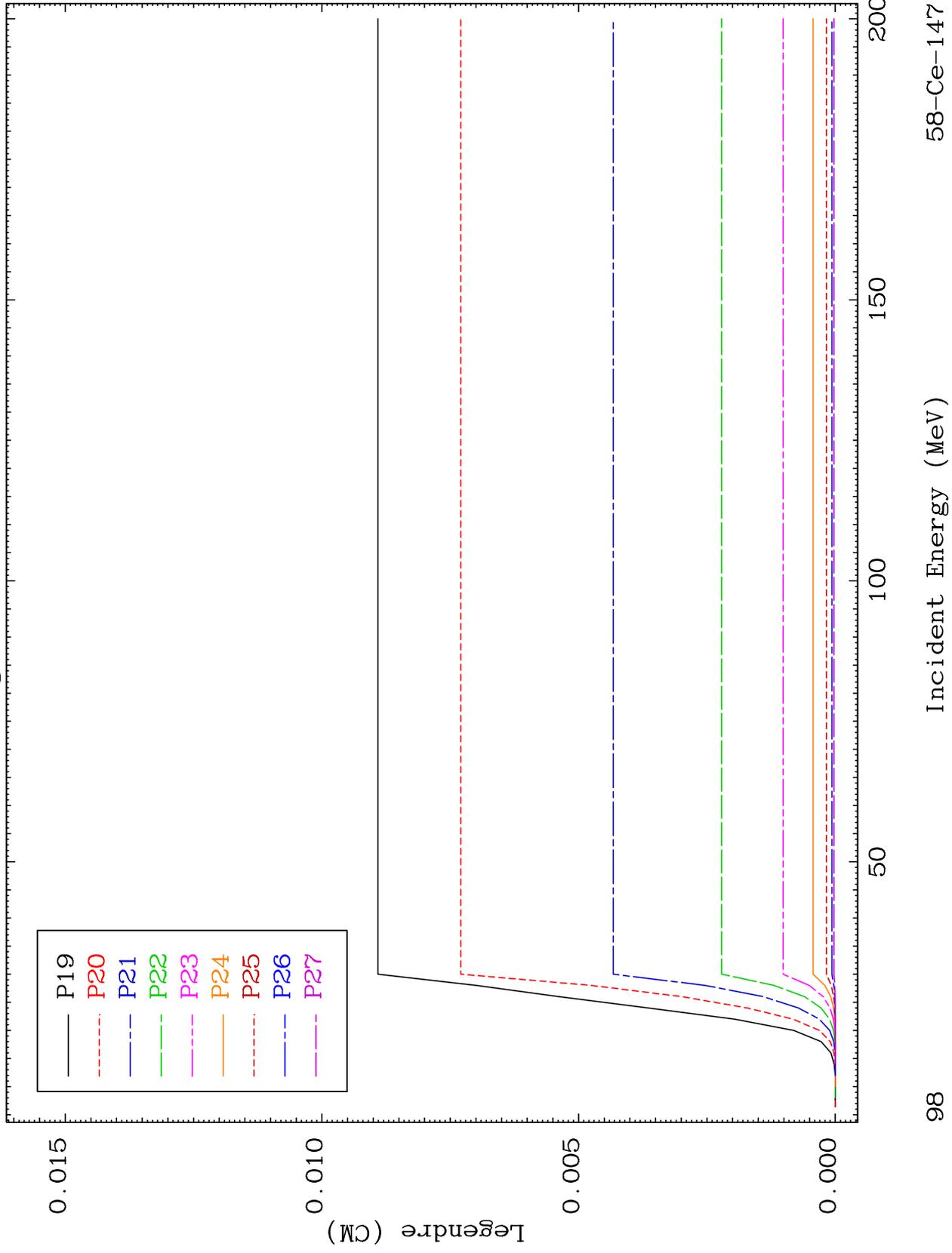
97

58-Ce-147

MAT 5858

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

58-Ce-147



98

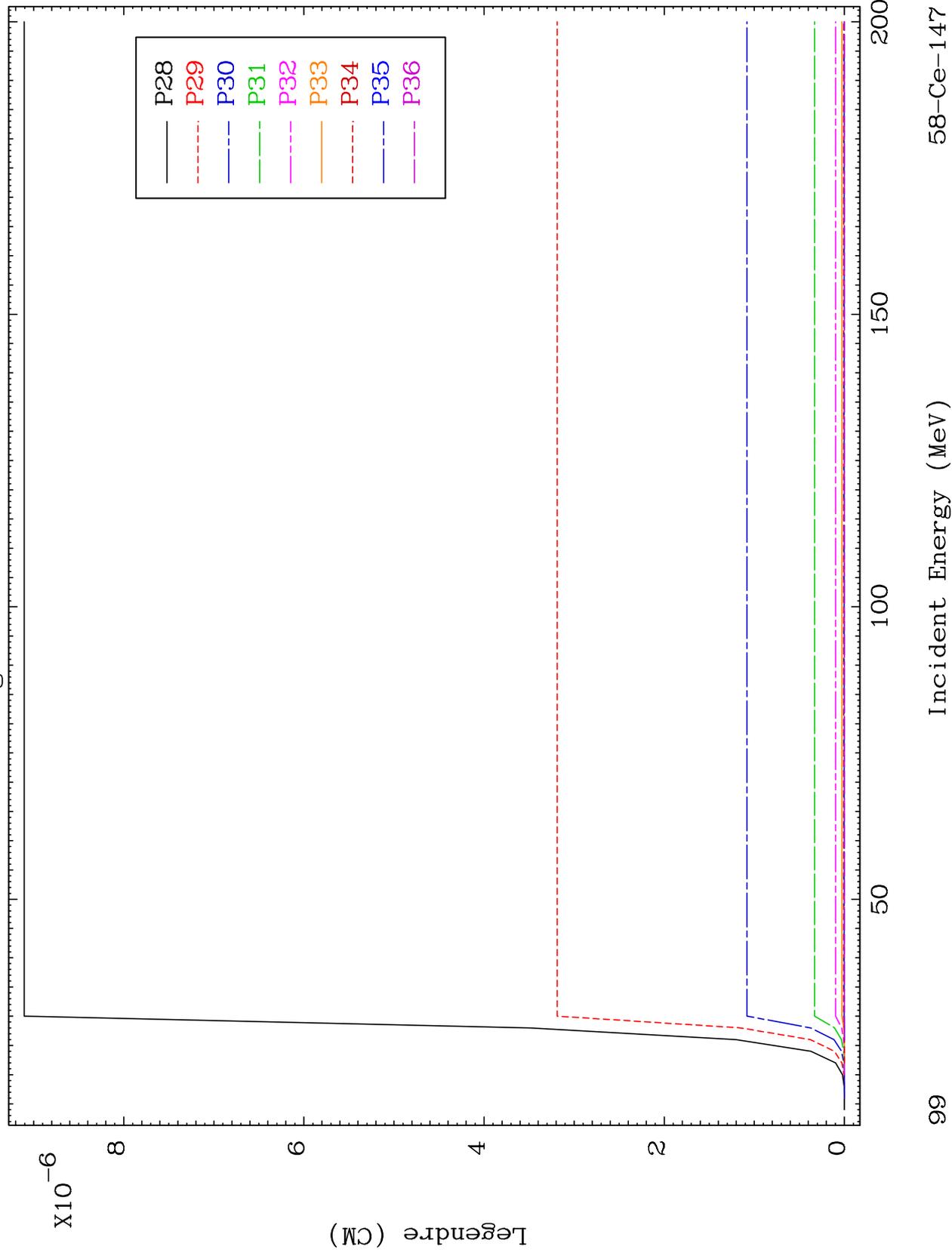
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



99

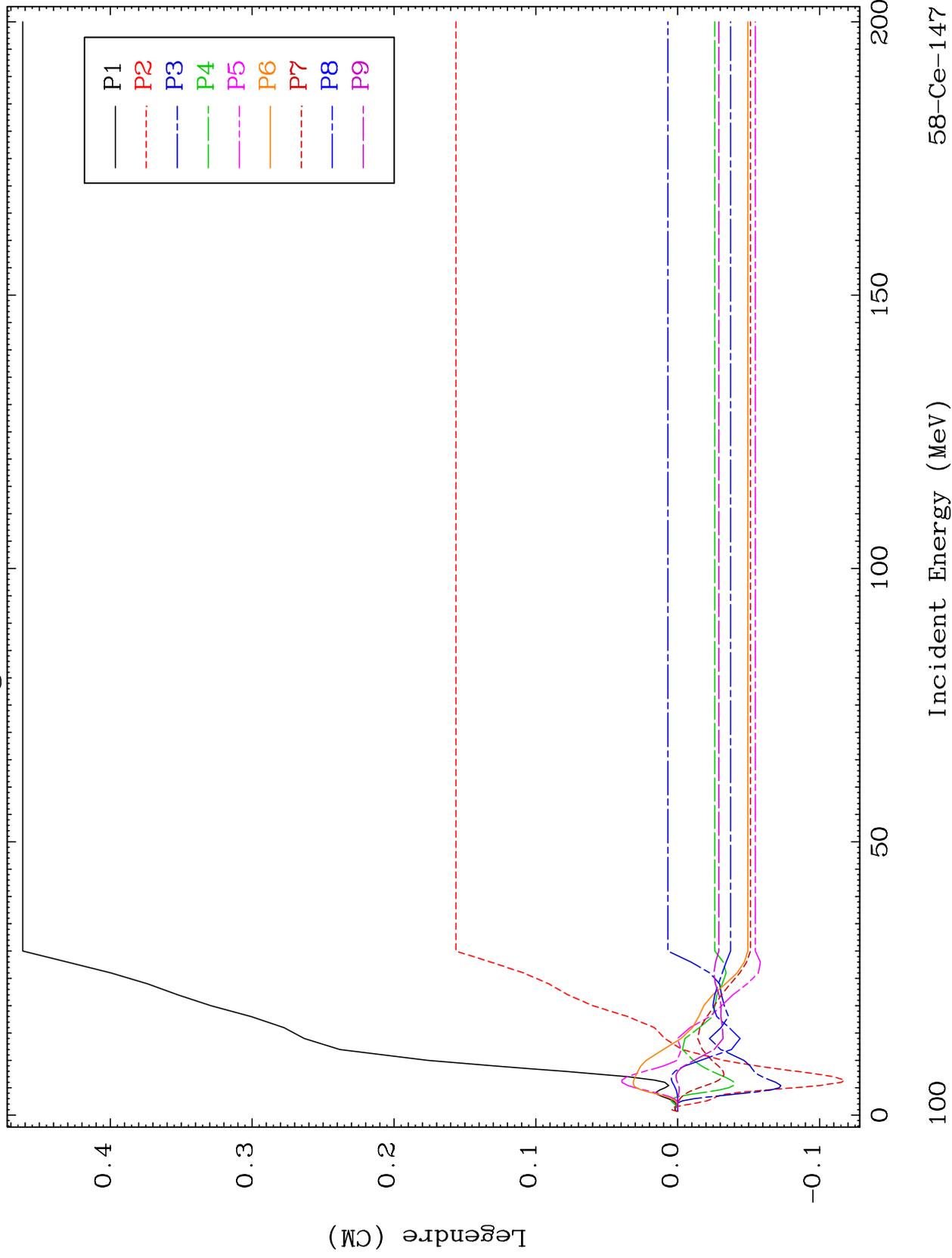
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147

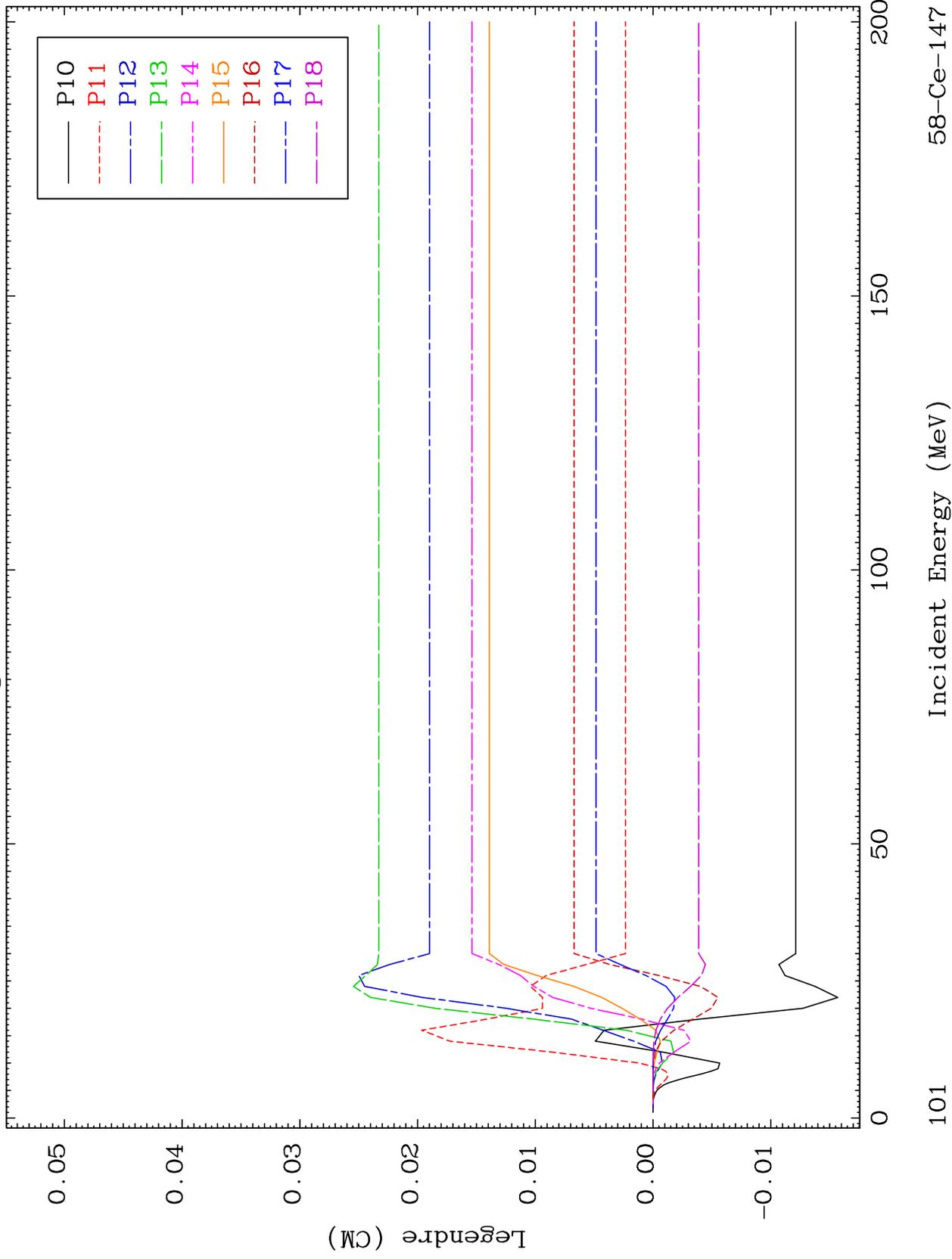


58-Ce-147

MAT 5858

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

58-Ce-147



58-Ce-147

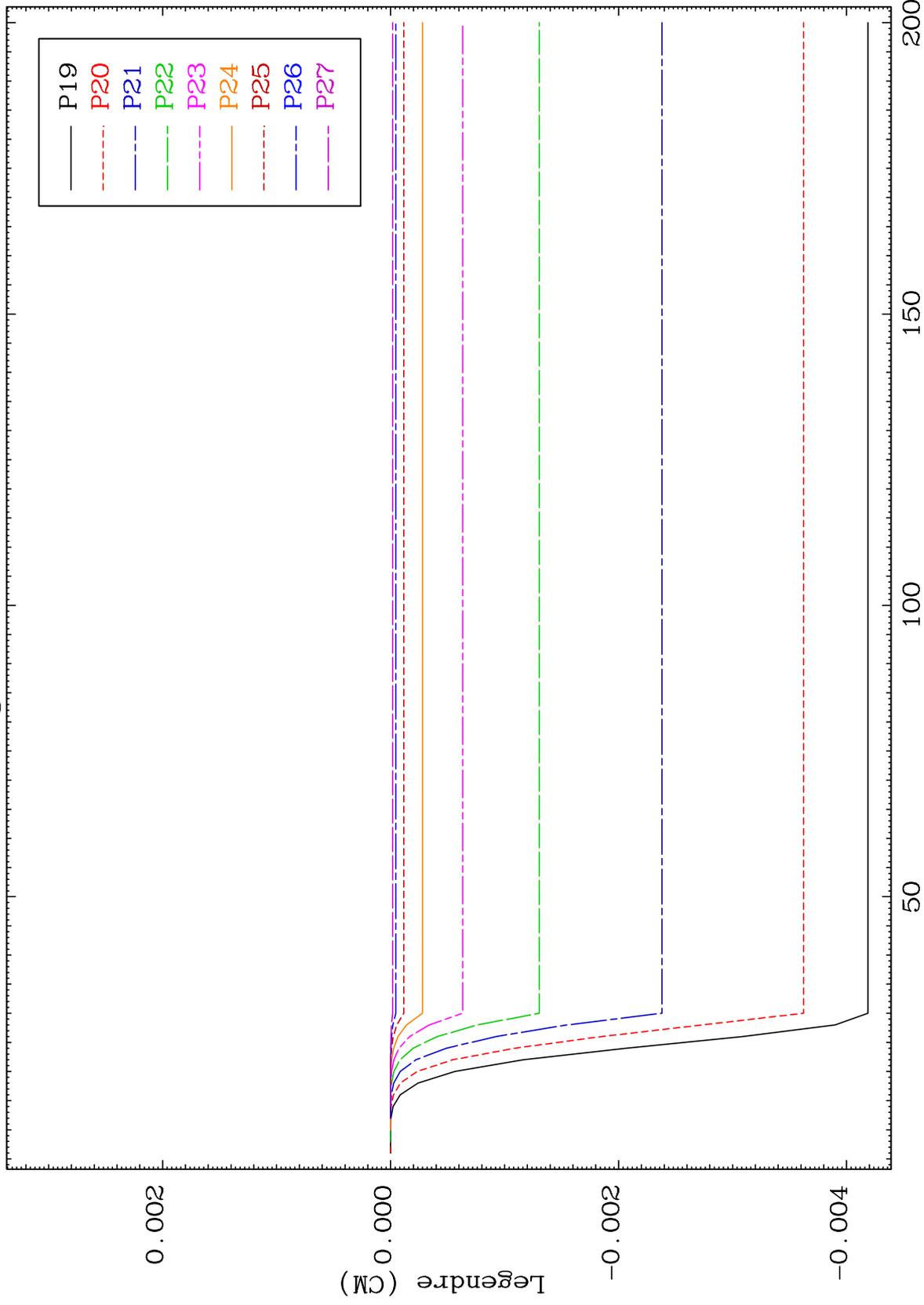
Incident Energy (MeV)

101

MAT 5858

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

58-Ce-147



102

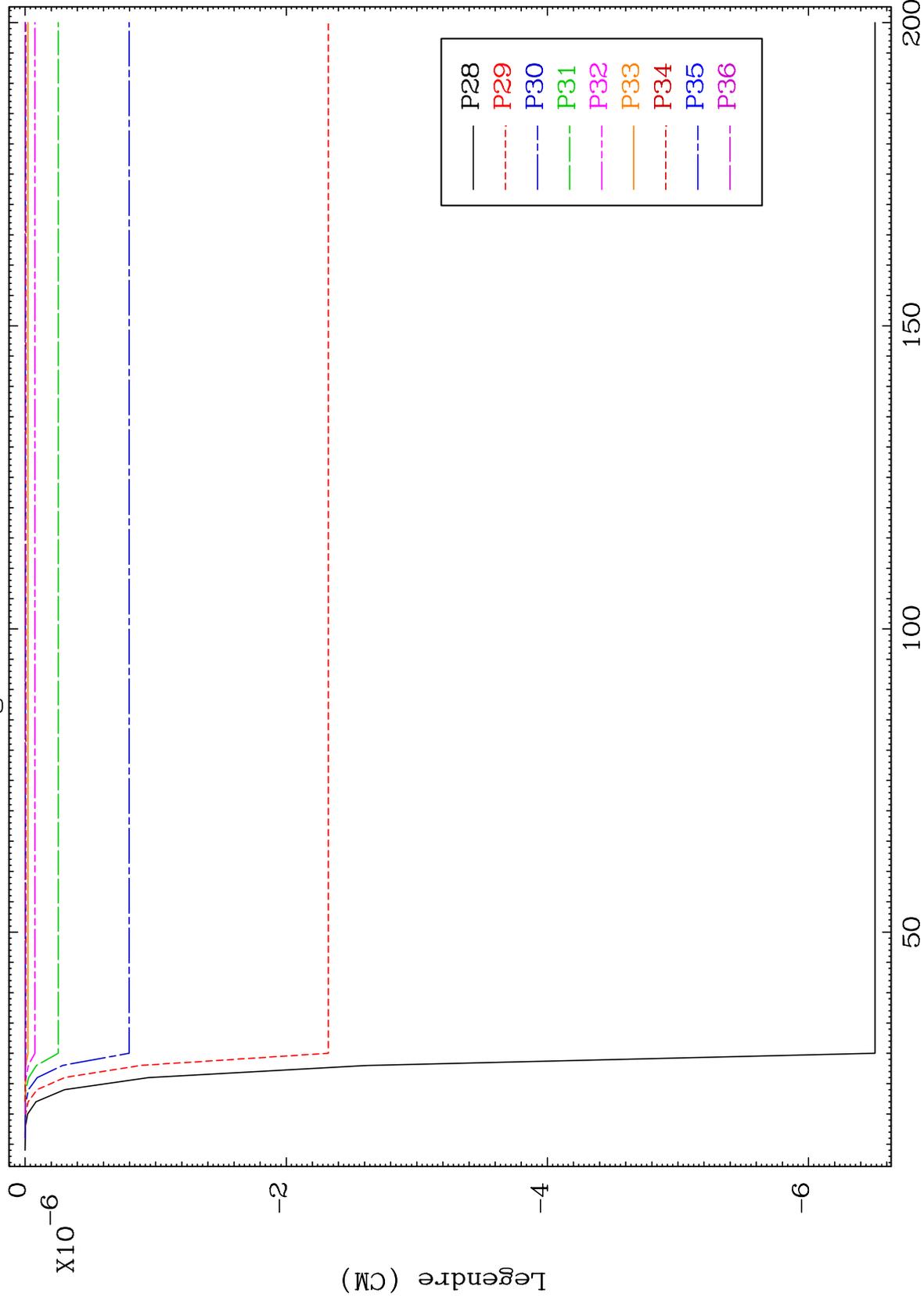
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



103

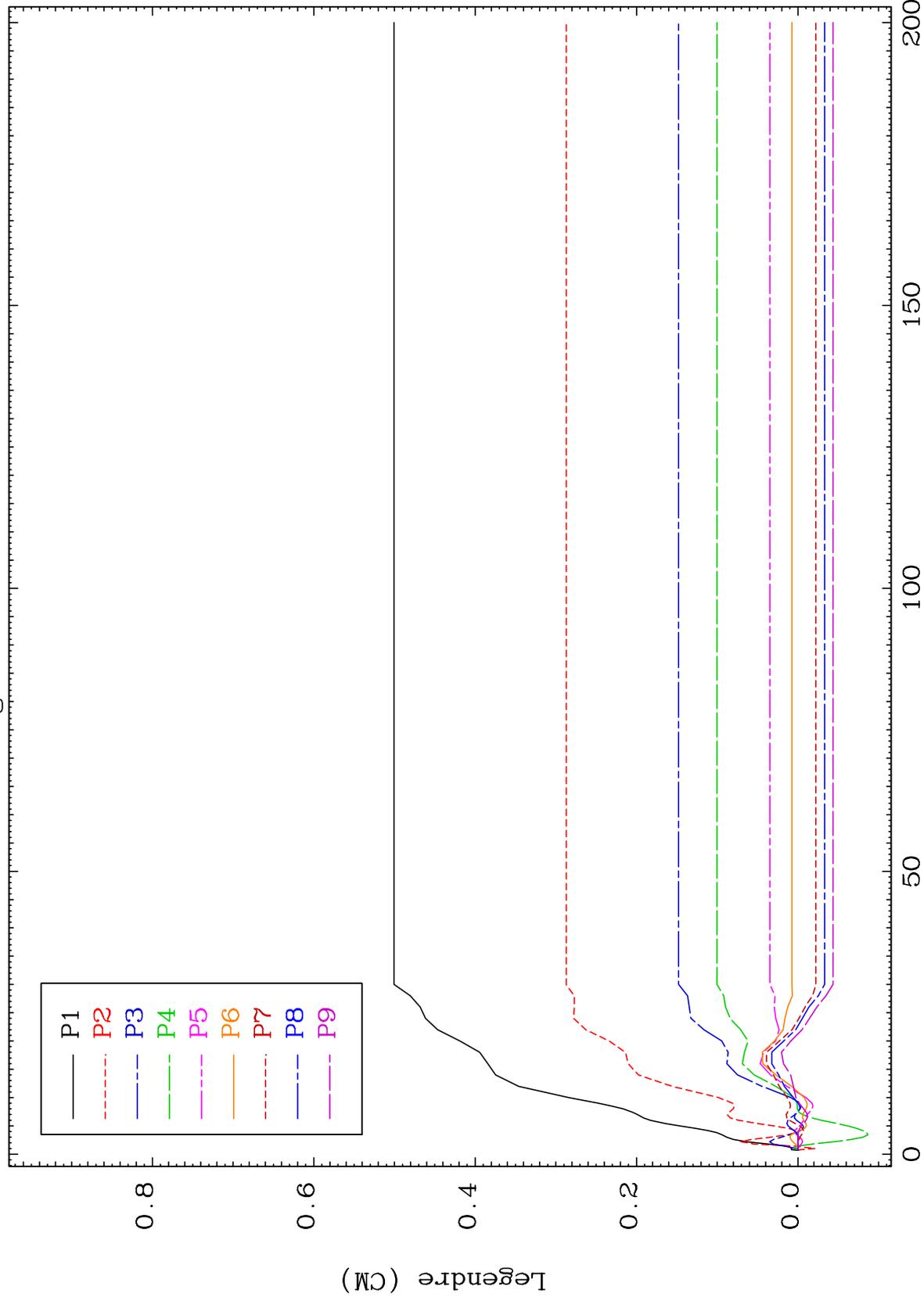
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



58-Ce-147

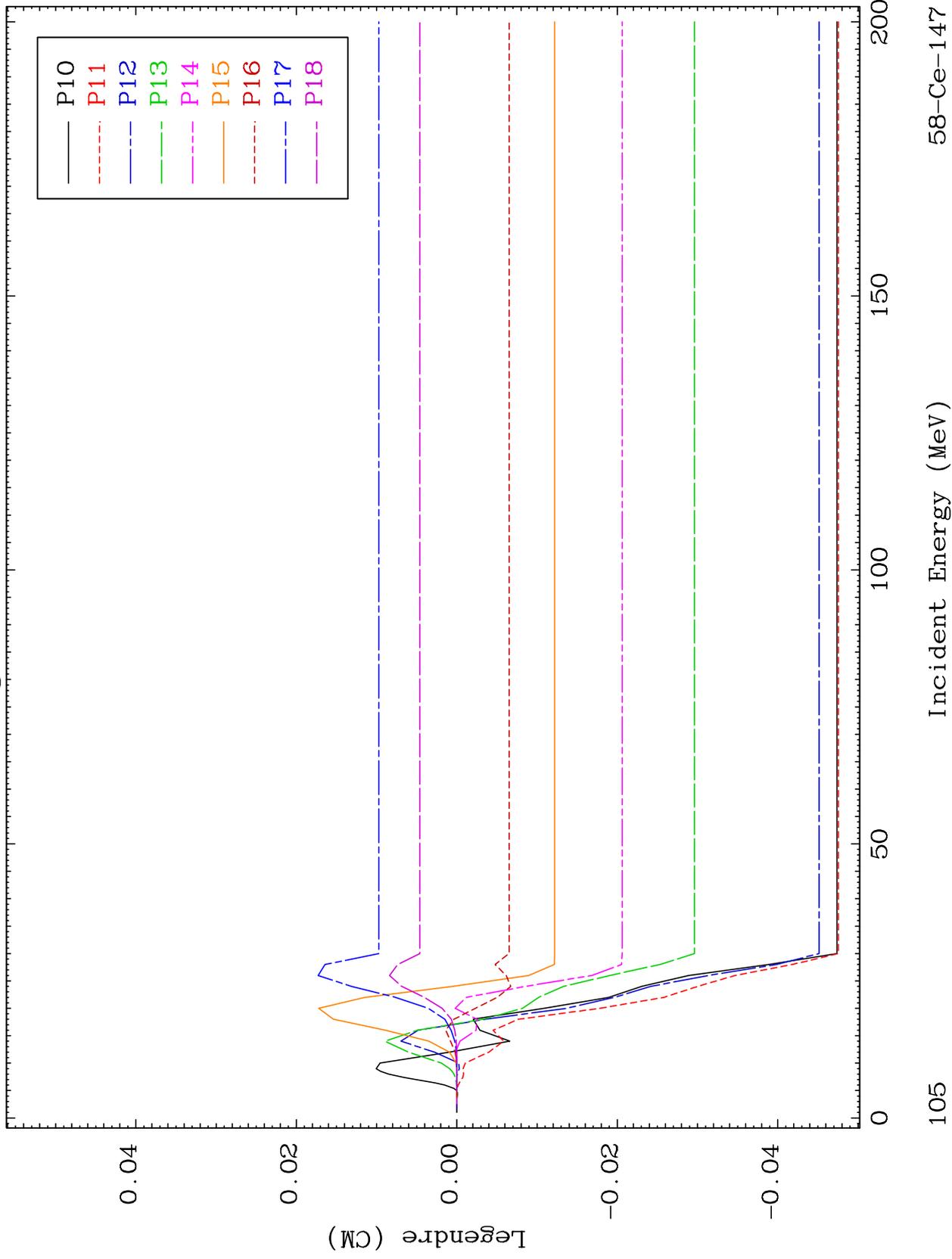
Incident Energy (MeV)

104

MAT 5858

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

58-Ce-147



58-Ce-147

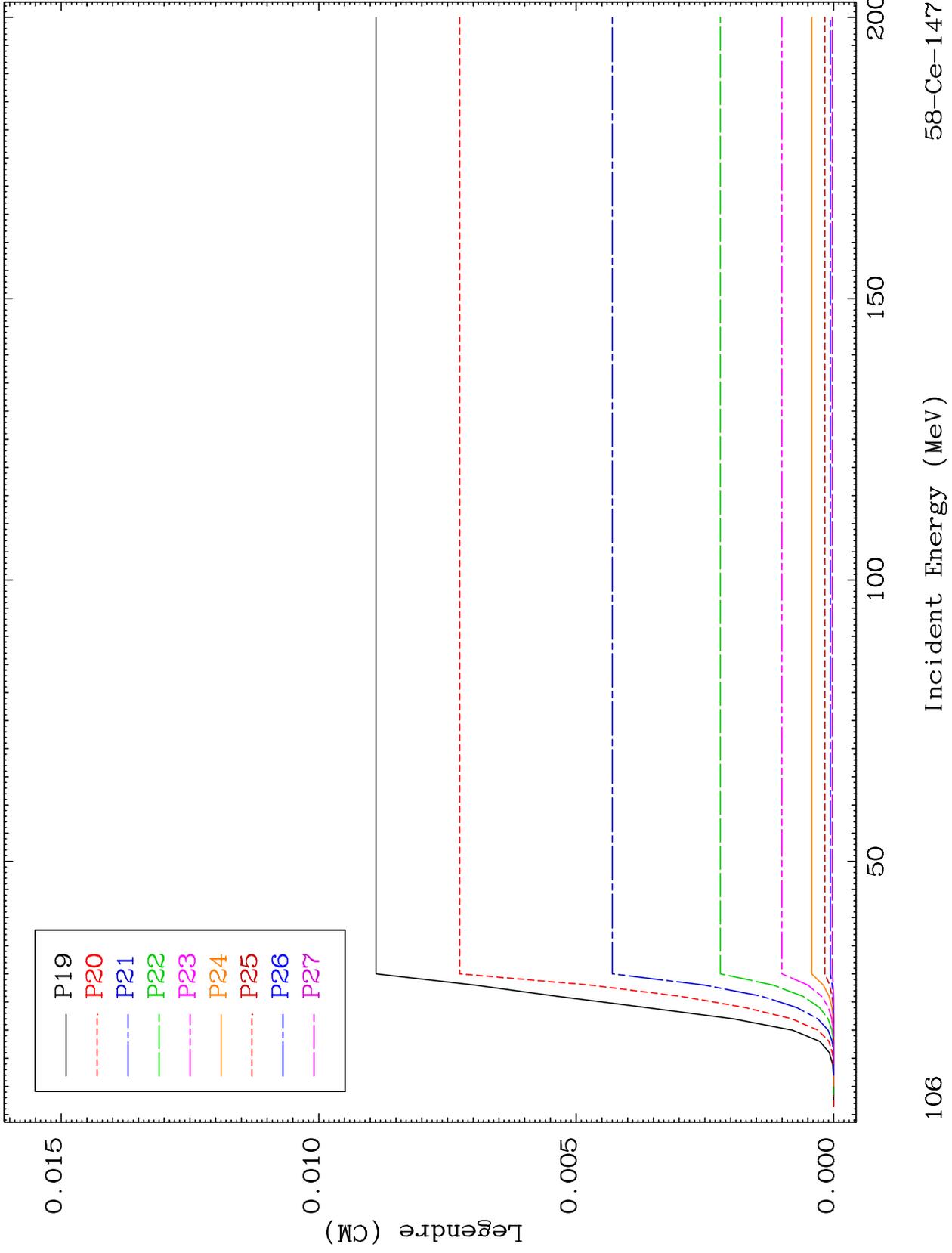
Incident Energy (MeV)

105

MAT 5858

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

58-Ce-147



106

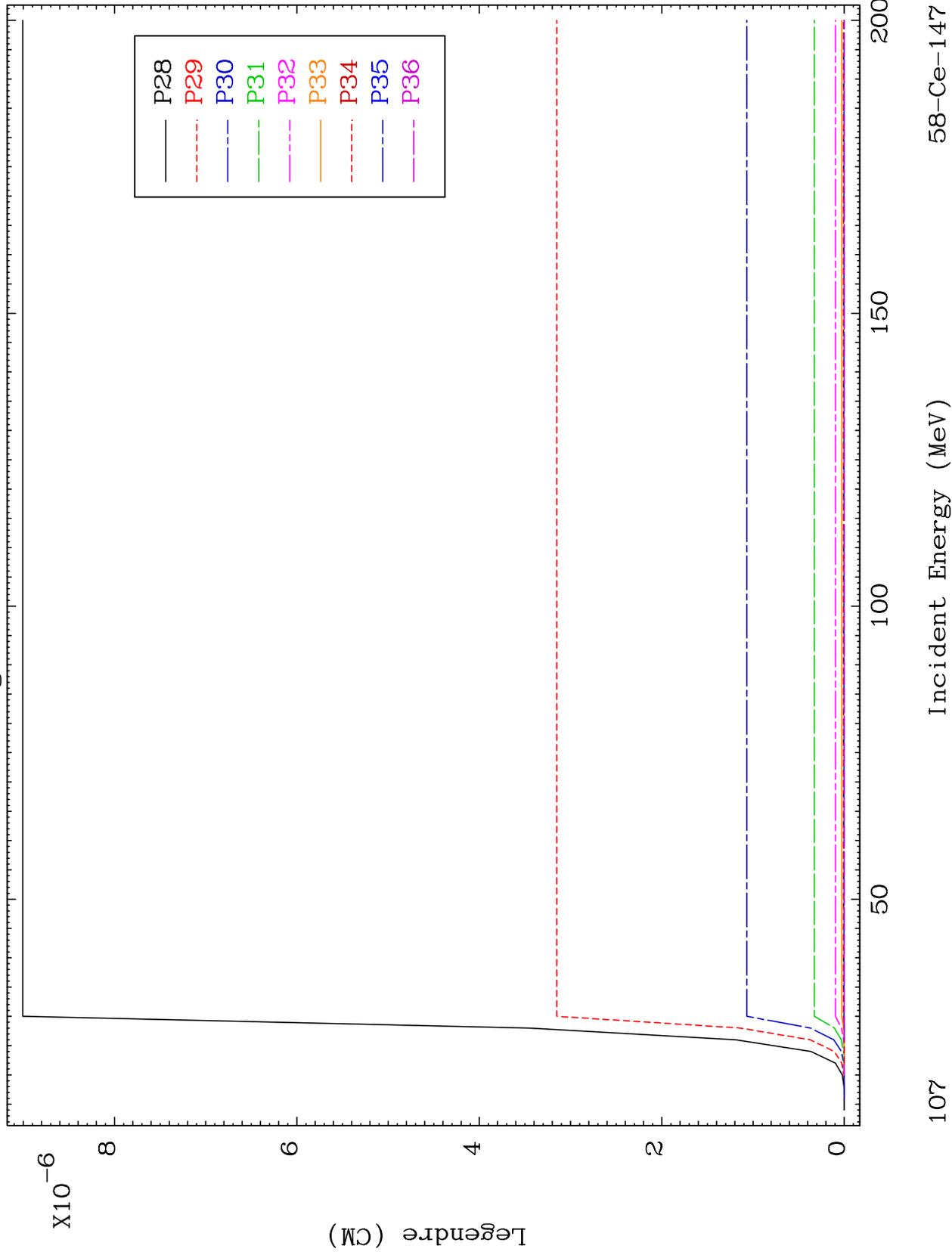
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147

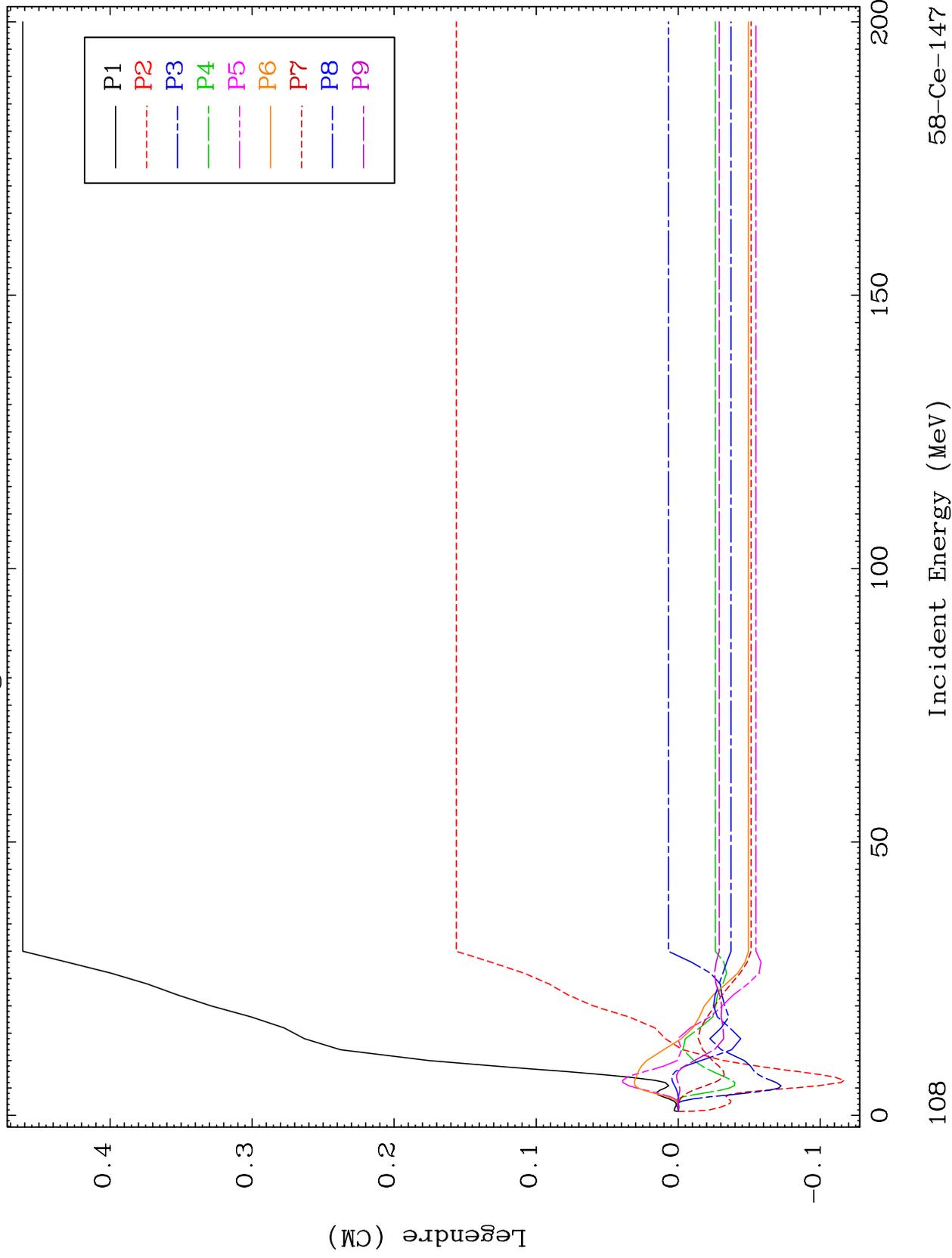


107

MAT 5858

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

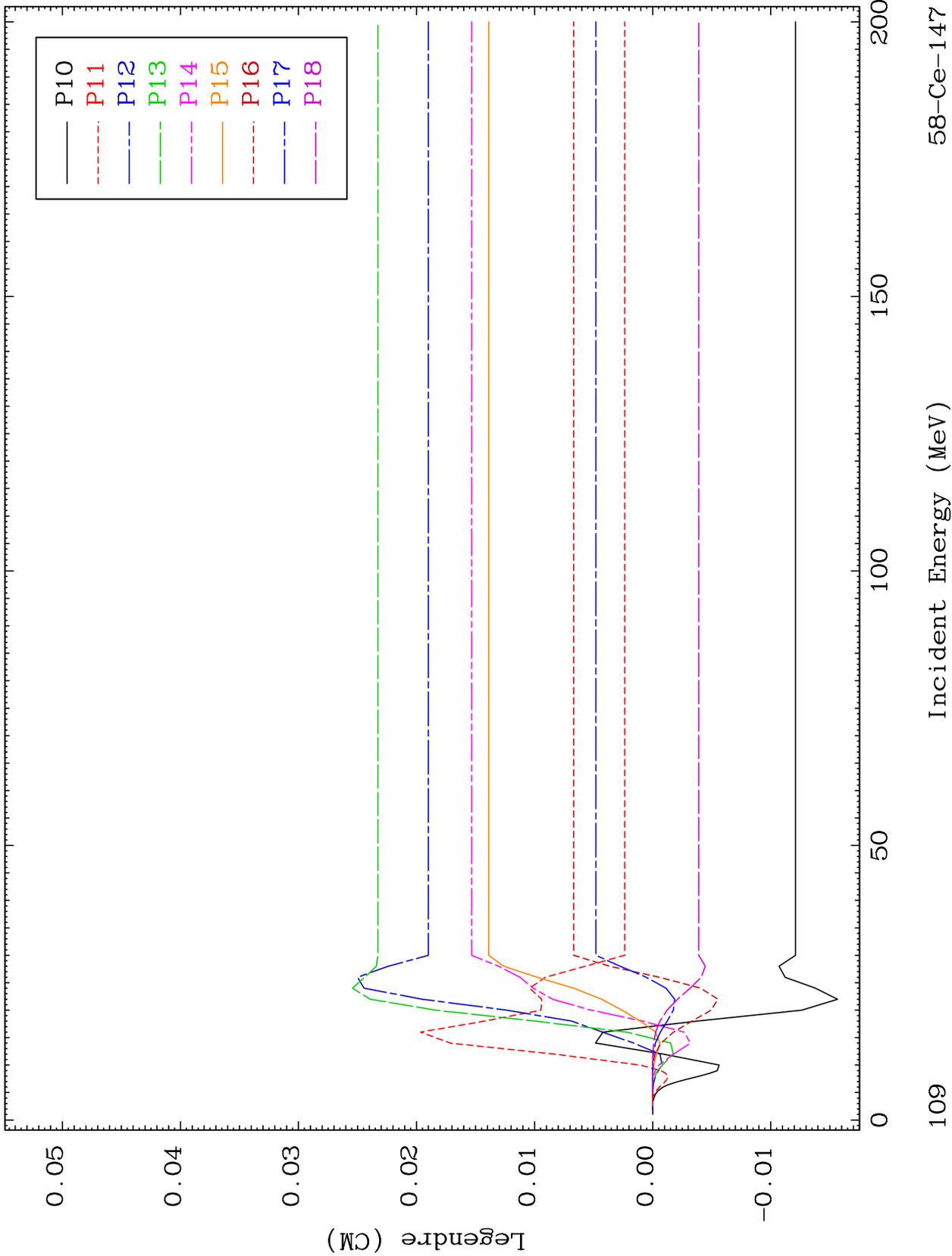
58-Ce-147



MAT 5858

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

58-Ce-147



58-Ce-147

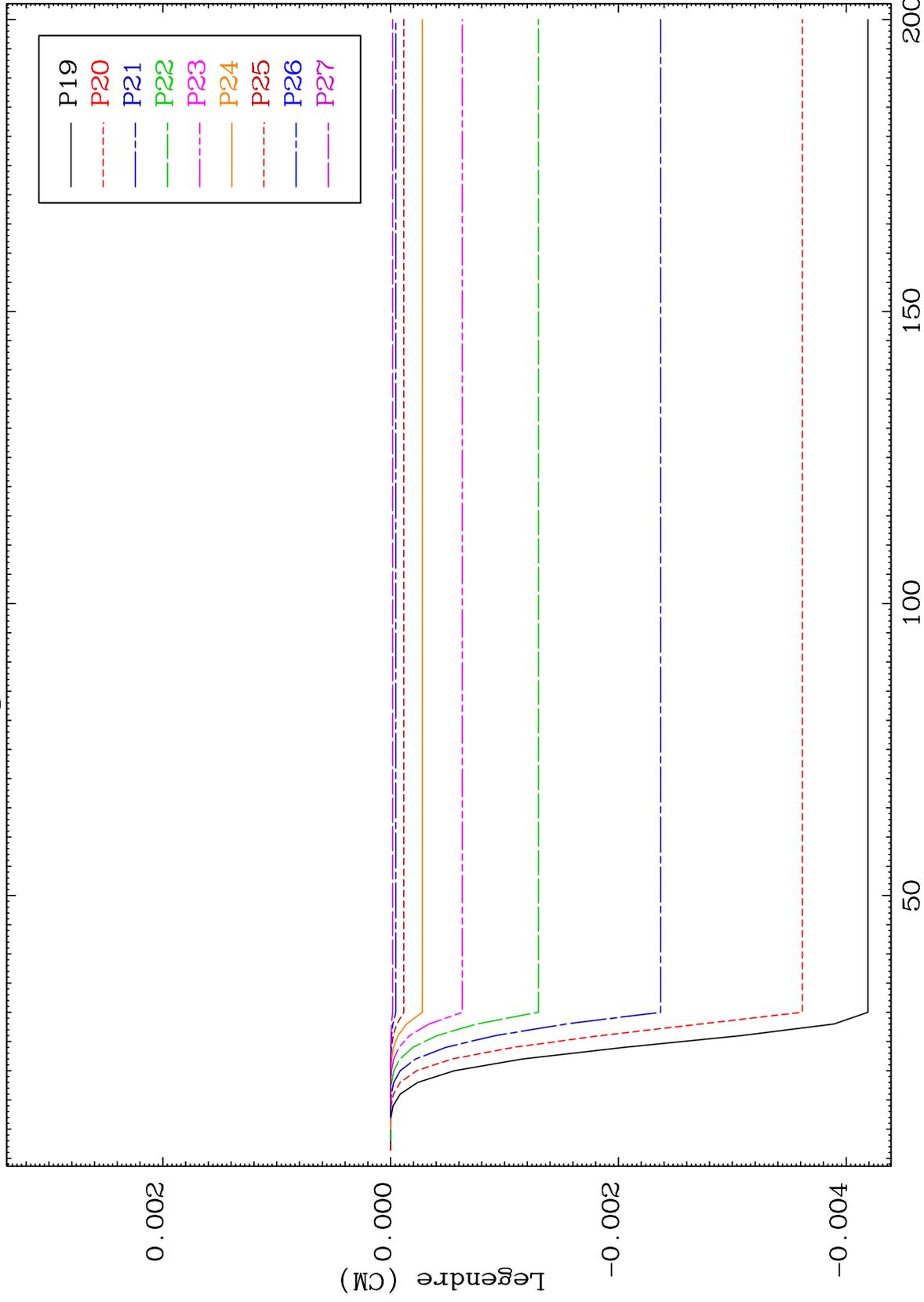
Incident Energy (MeV)

109

MAT 5858

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

58-Ce-147



110

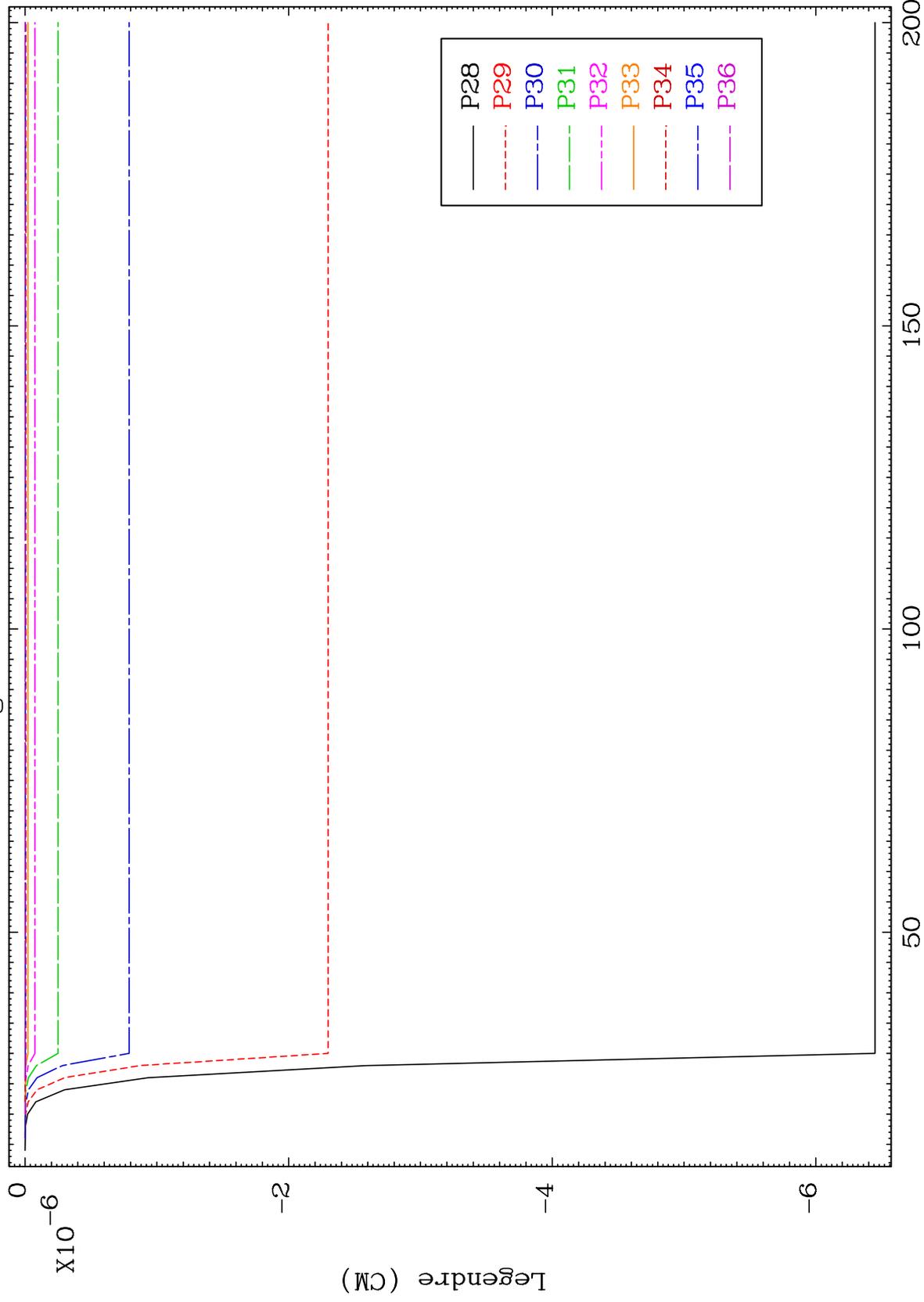
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



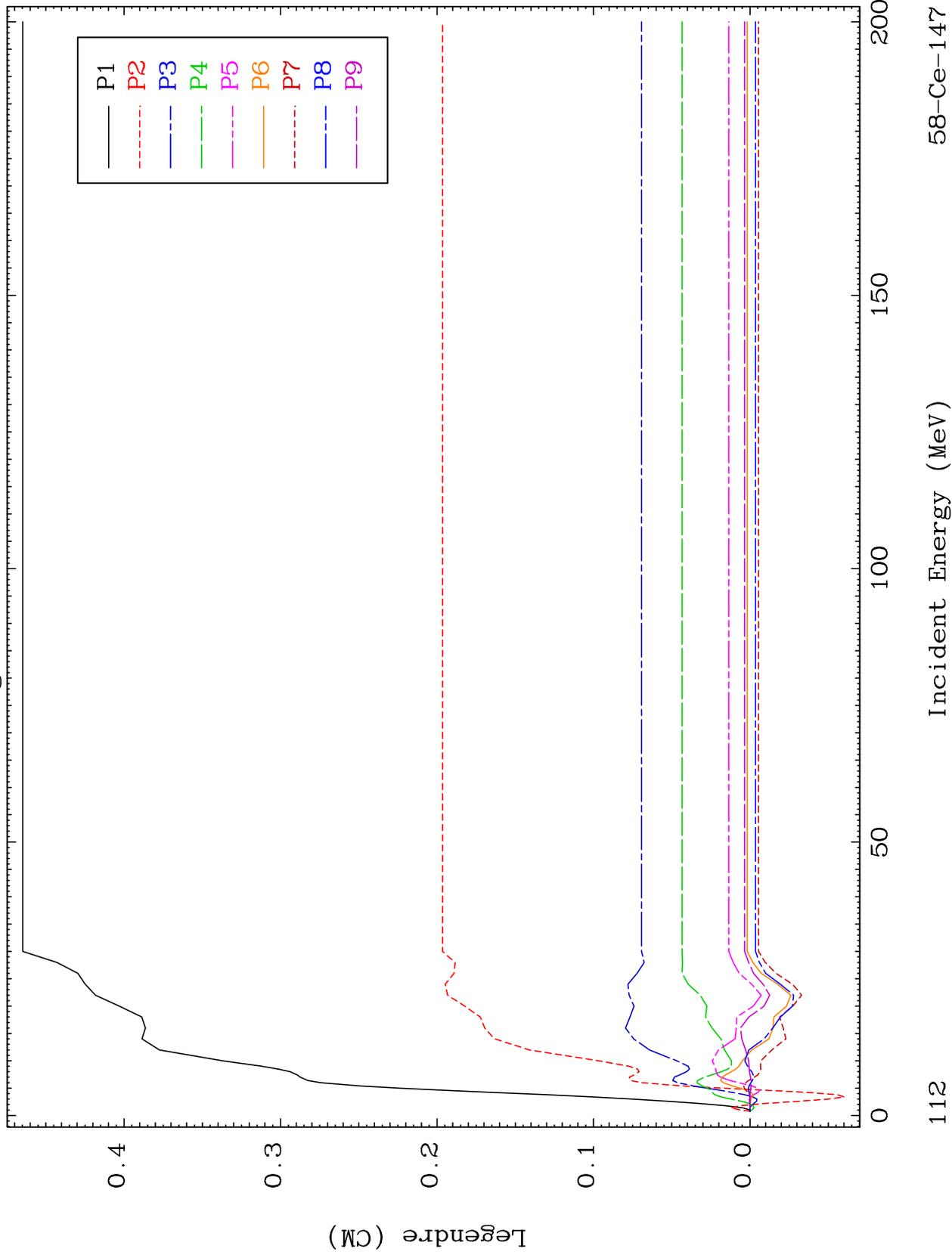
111

58-Ce-147

MAT 5858

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

58-Ce-147



58-Ce-147

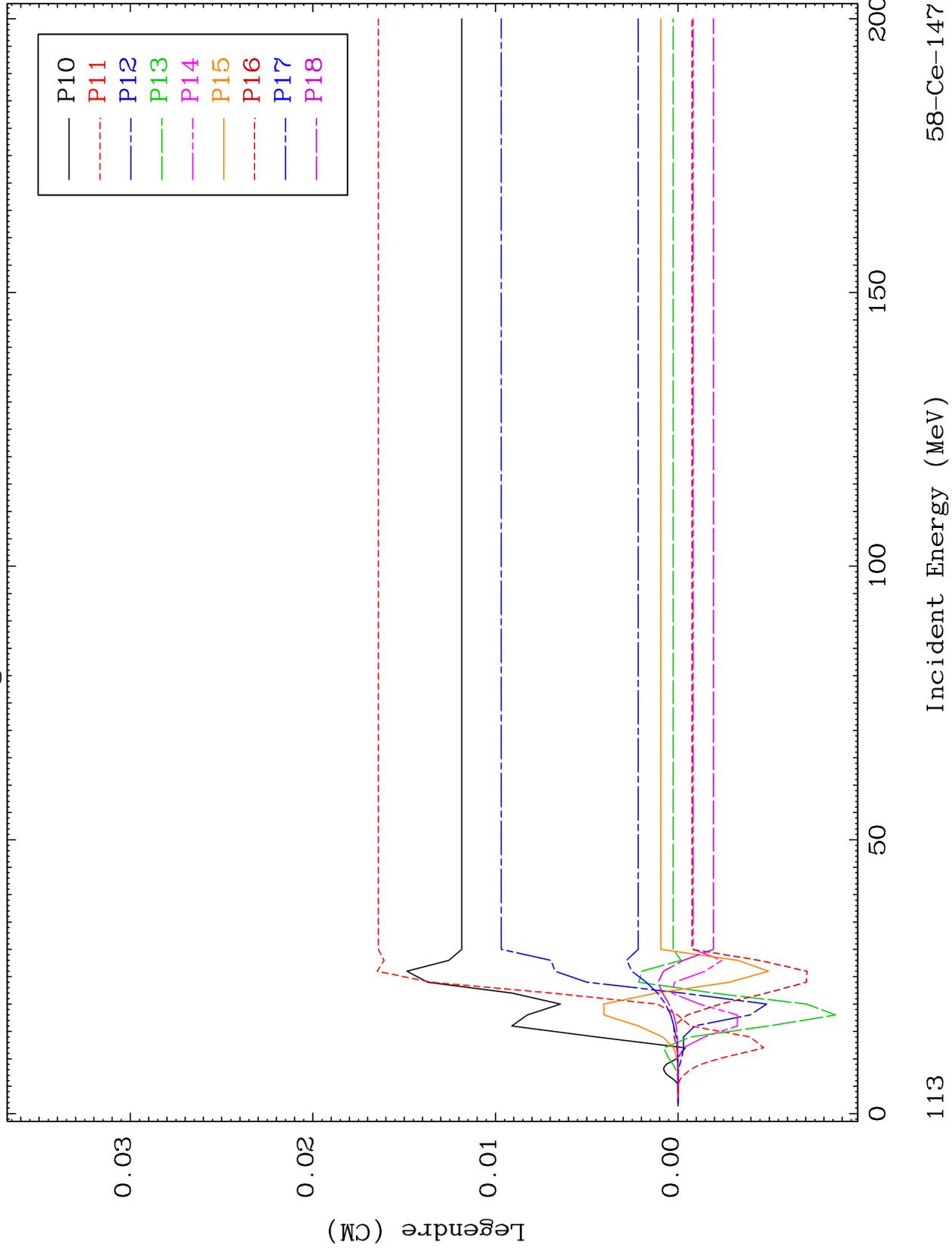
Incident Energy (MeV)

112

MAT 5858

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

58-Ce-147



58-Ce-147

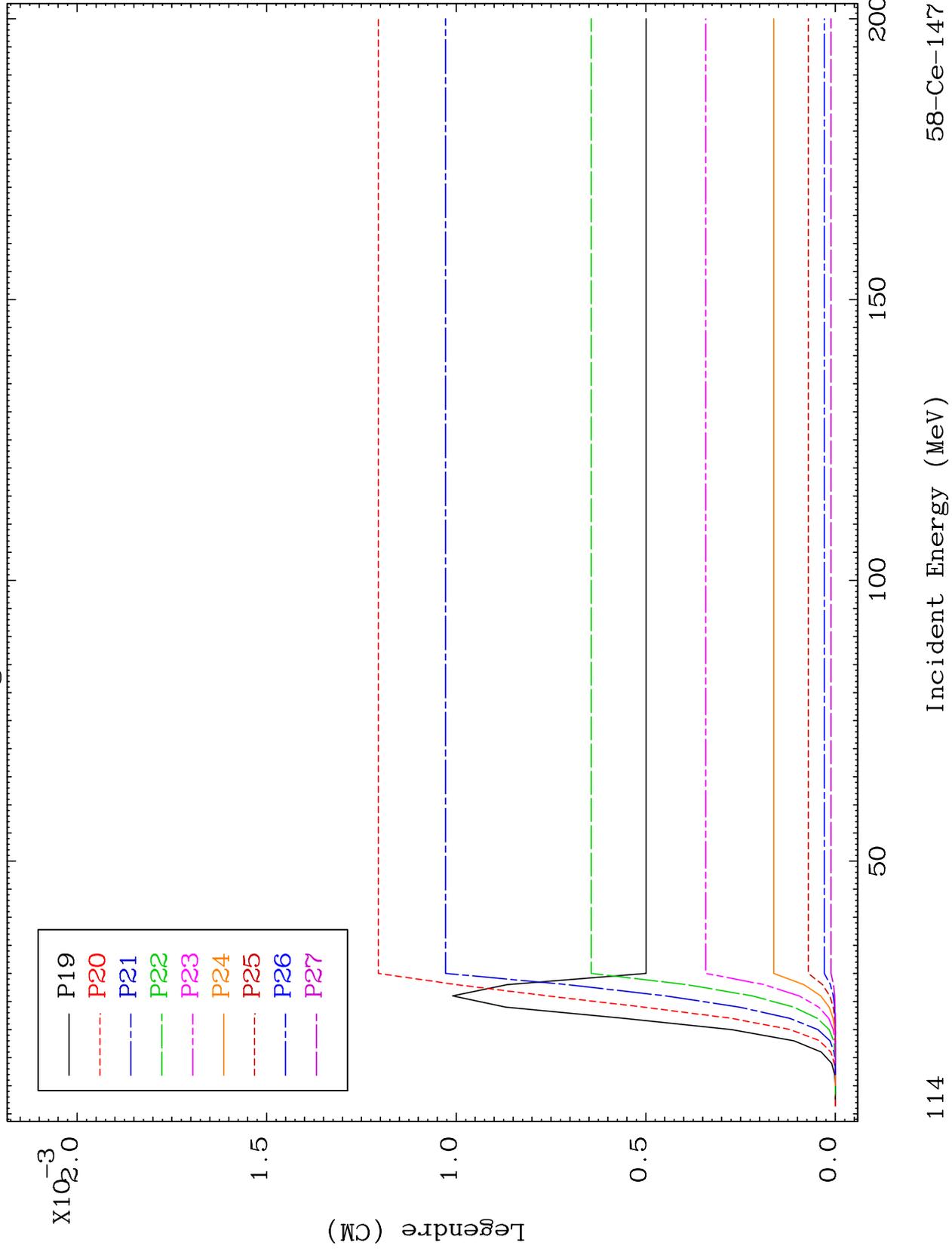
Incident Energy (MeV)

113

MAT 5858

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

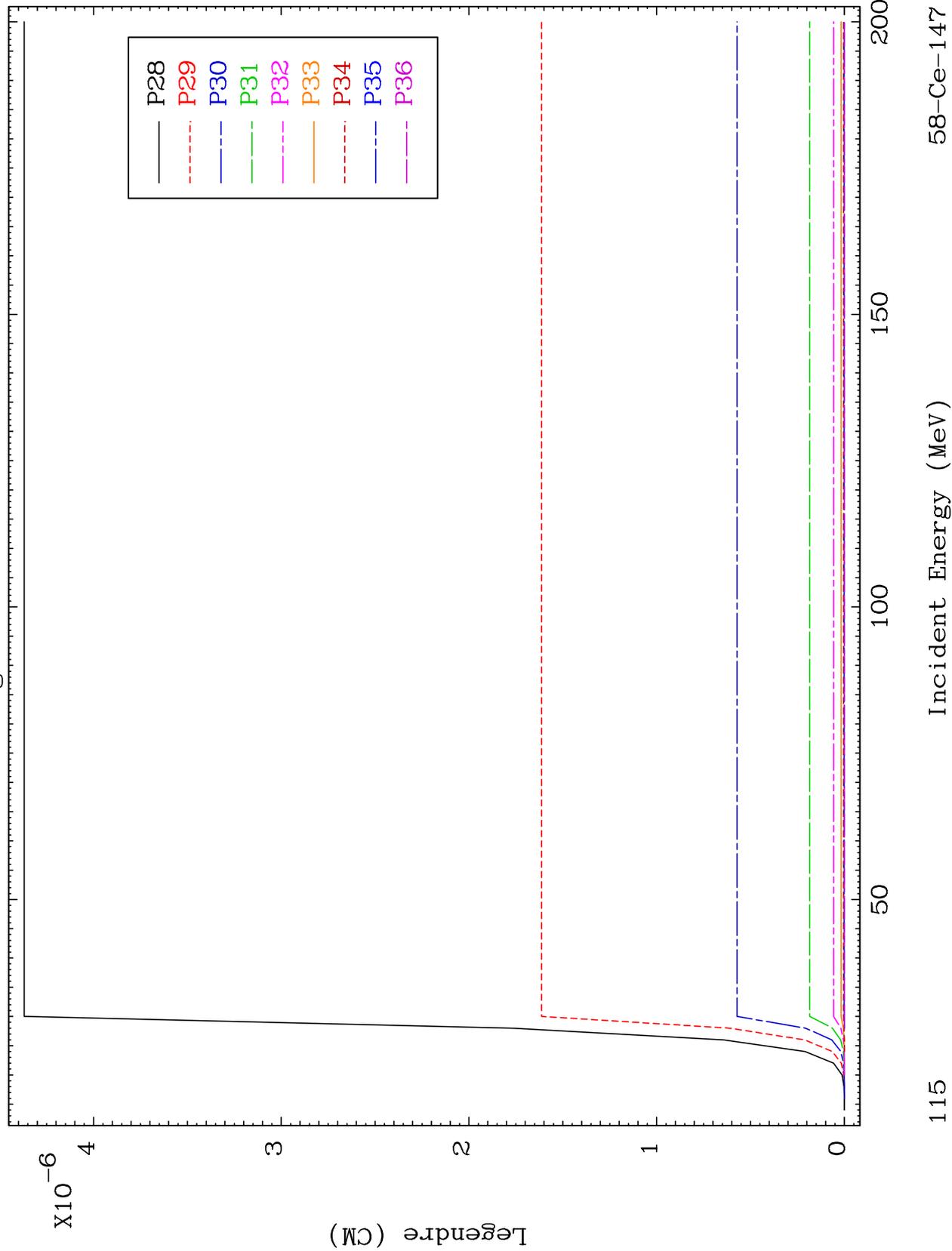
58-Ce-147



MAT 5858

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

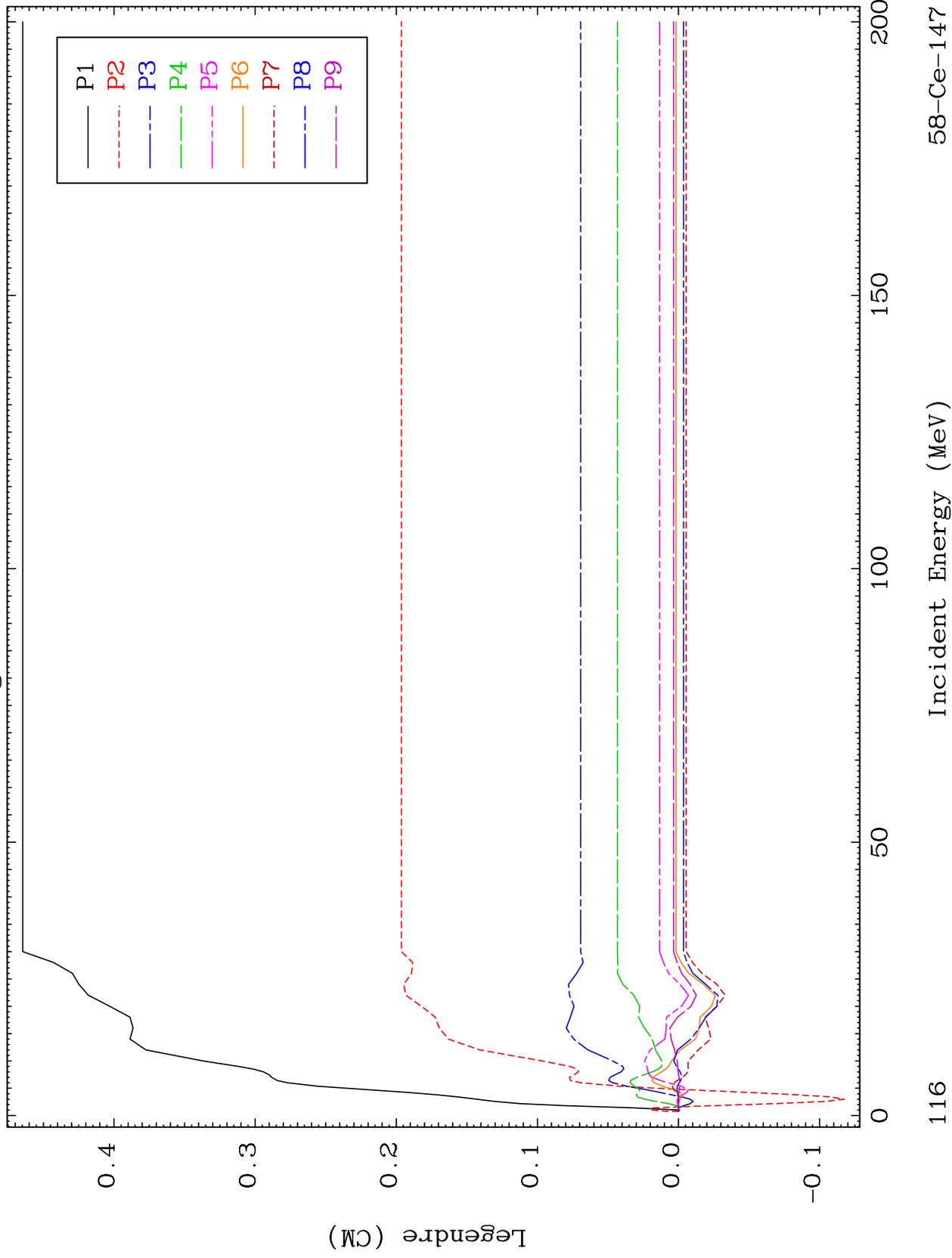
58-Ce-147



MAT 5858

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

58-Ce-147



58-Ce-147

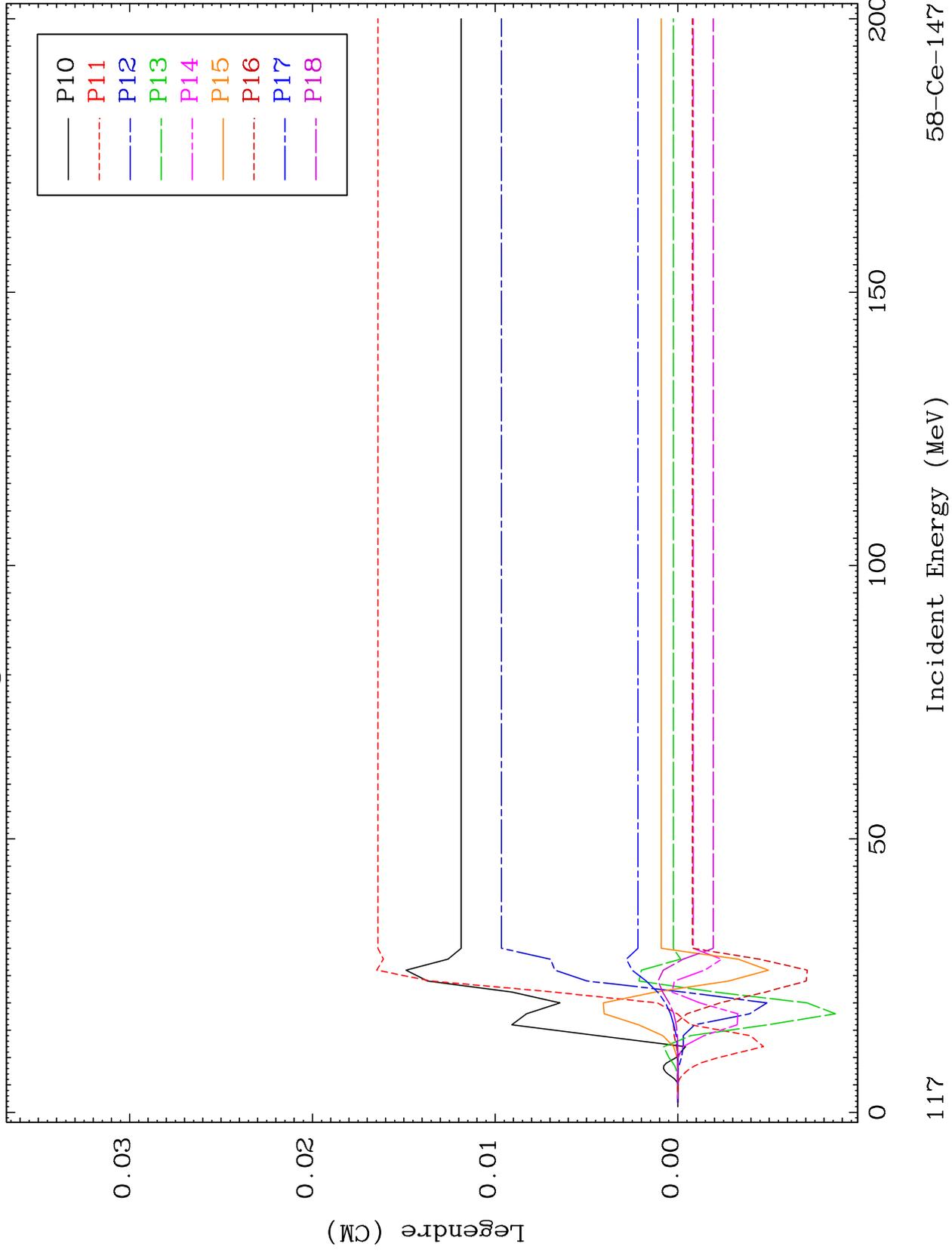
Incident Energy (MeV)

116

MAT 5858

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

58-Ce-147



58-Ce-147

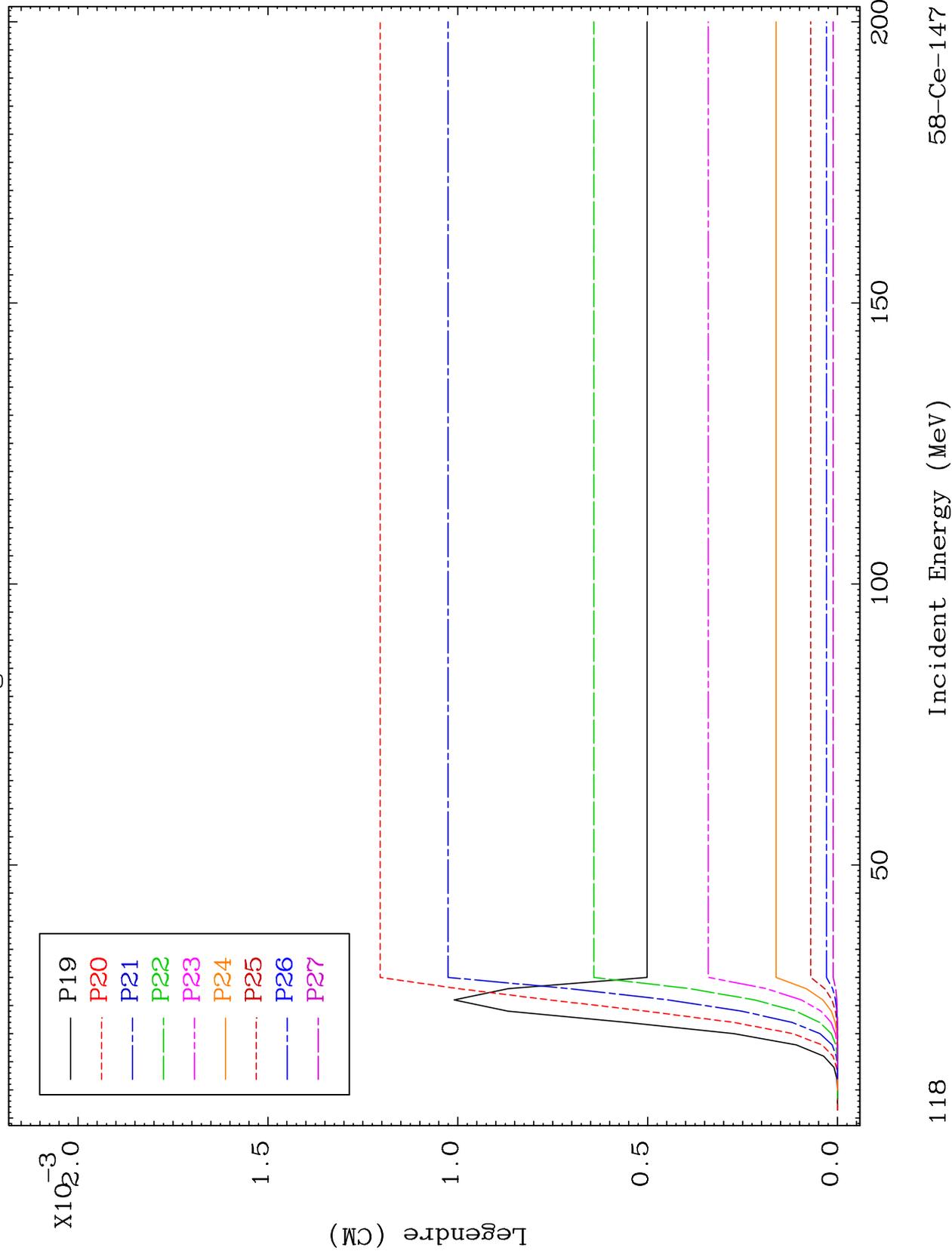
Incident Energy (MeV)

117

MAT 5858

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

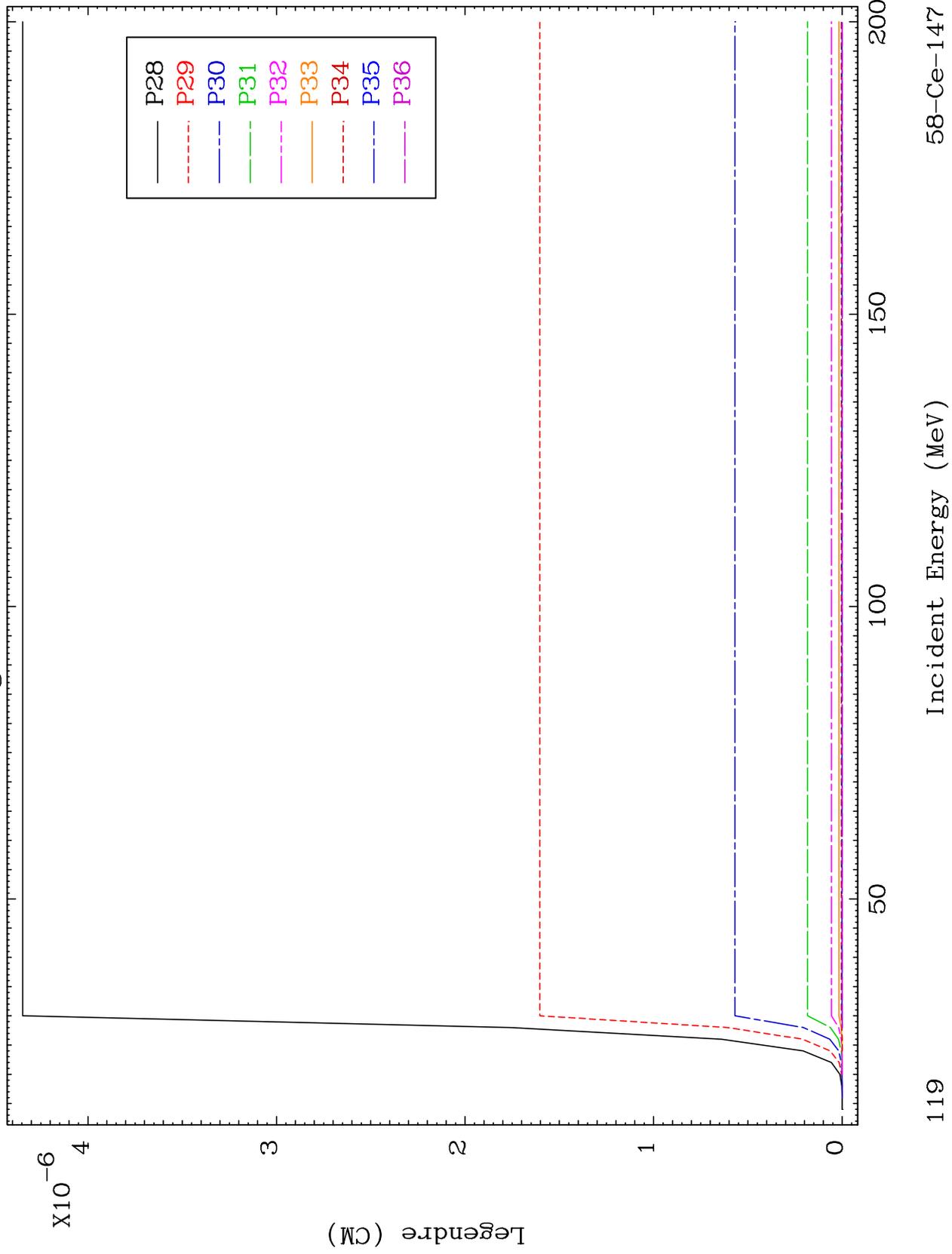
58-Ce-147



MAT 5858

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

58-Ce-147



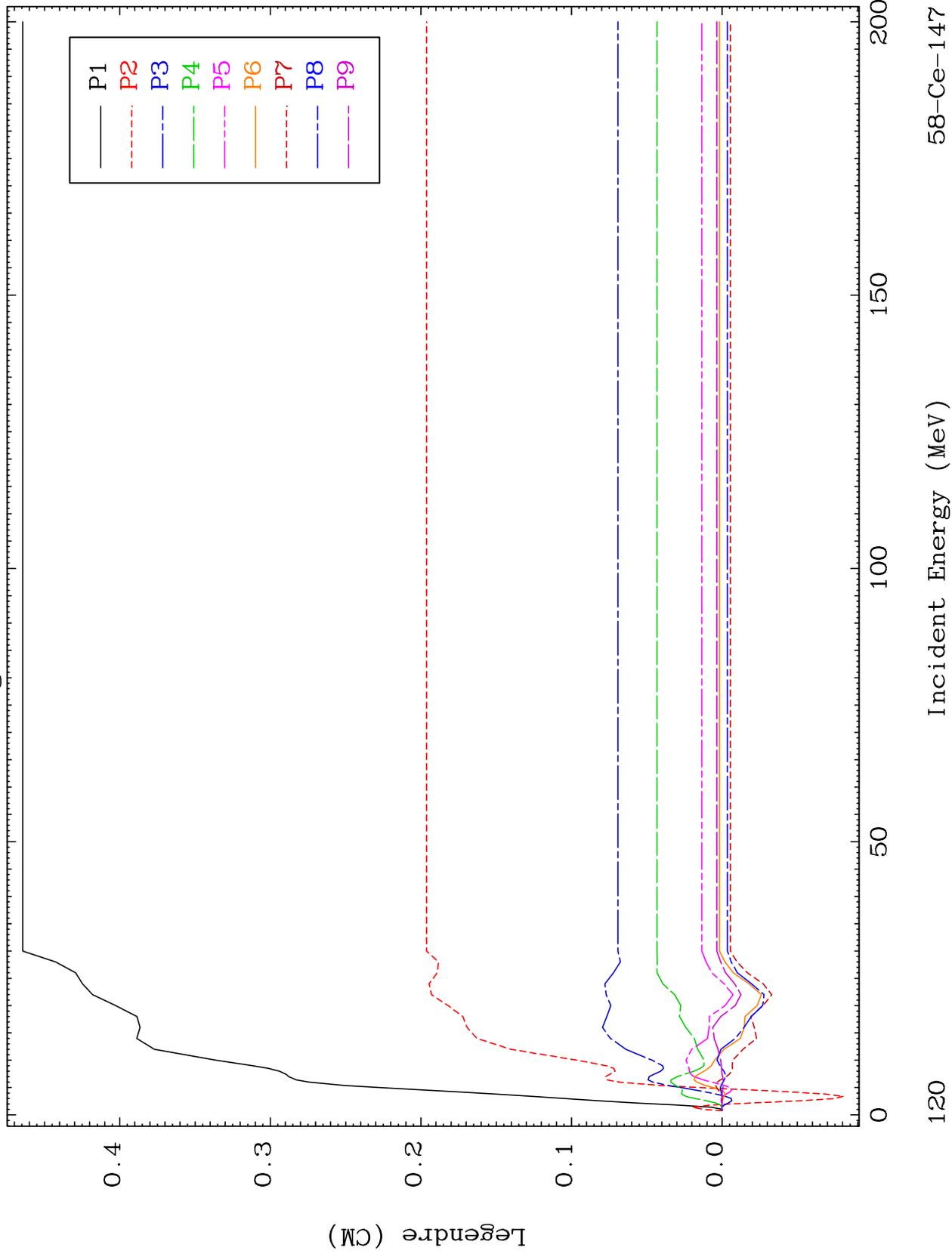
119

58-Ce-147

MAT 5858

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

58-Ce-147

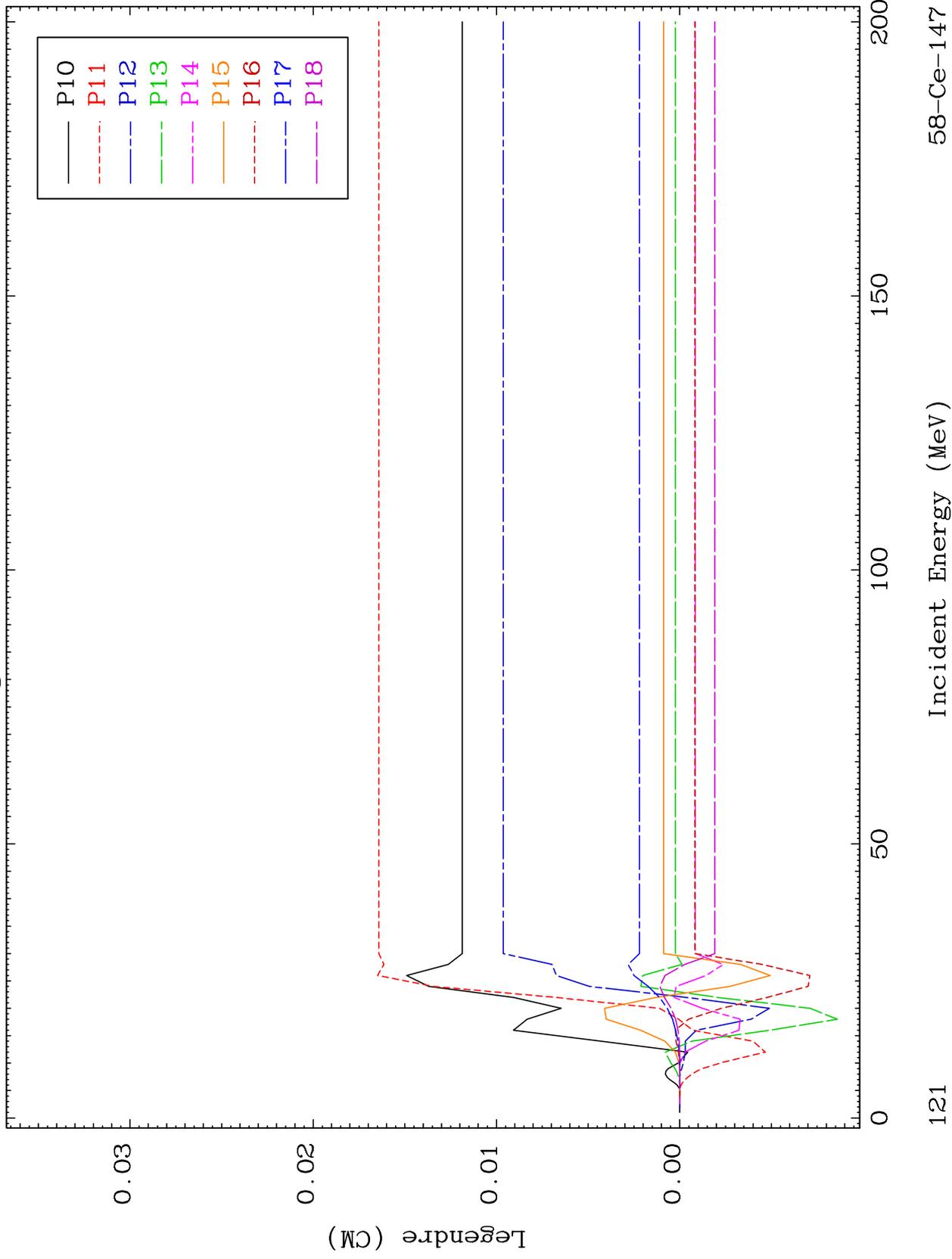


58-Ce-147

MAT 5858

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

58-Ce-147



58-Ce-147

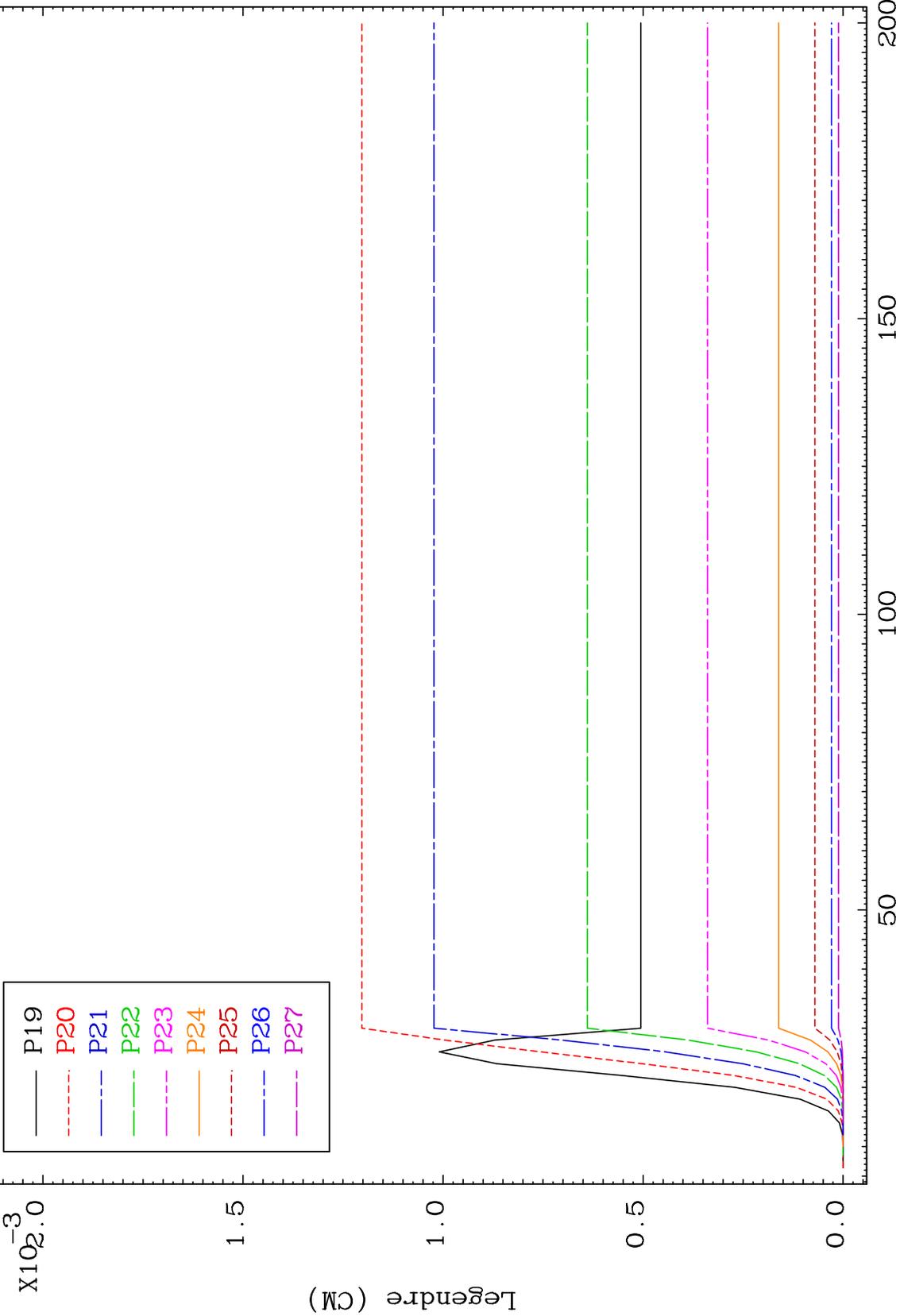
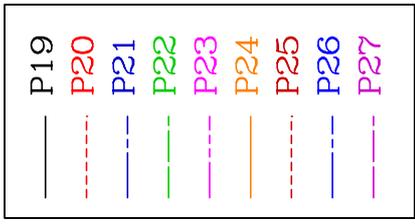
Incident Energy (MeV)

121

MAT 5858

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

58-Ce-147



122

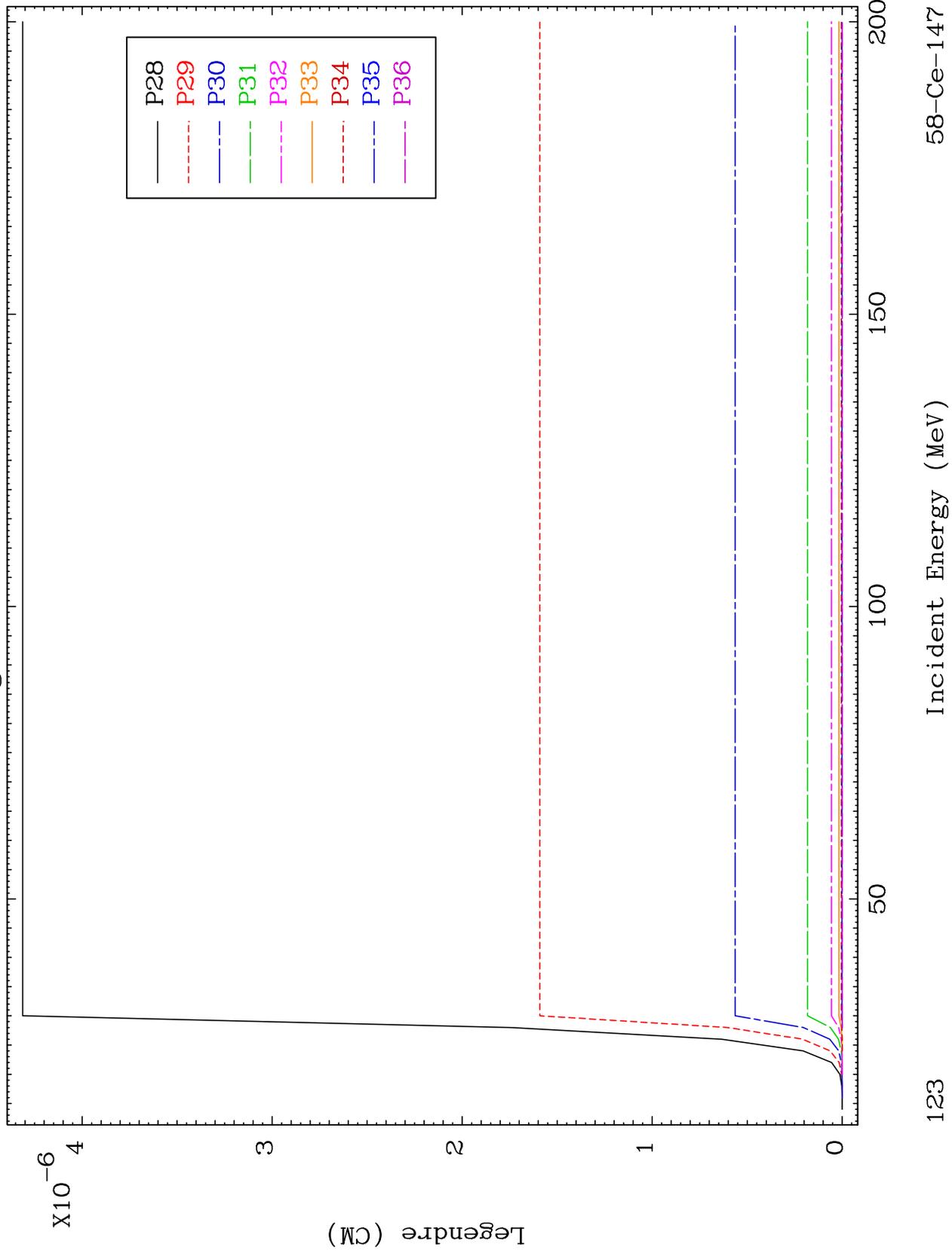
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147

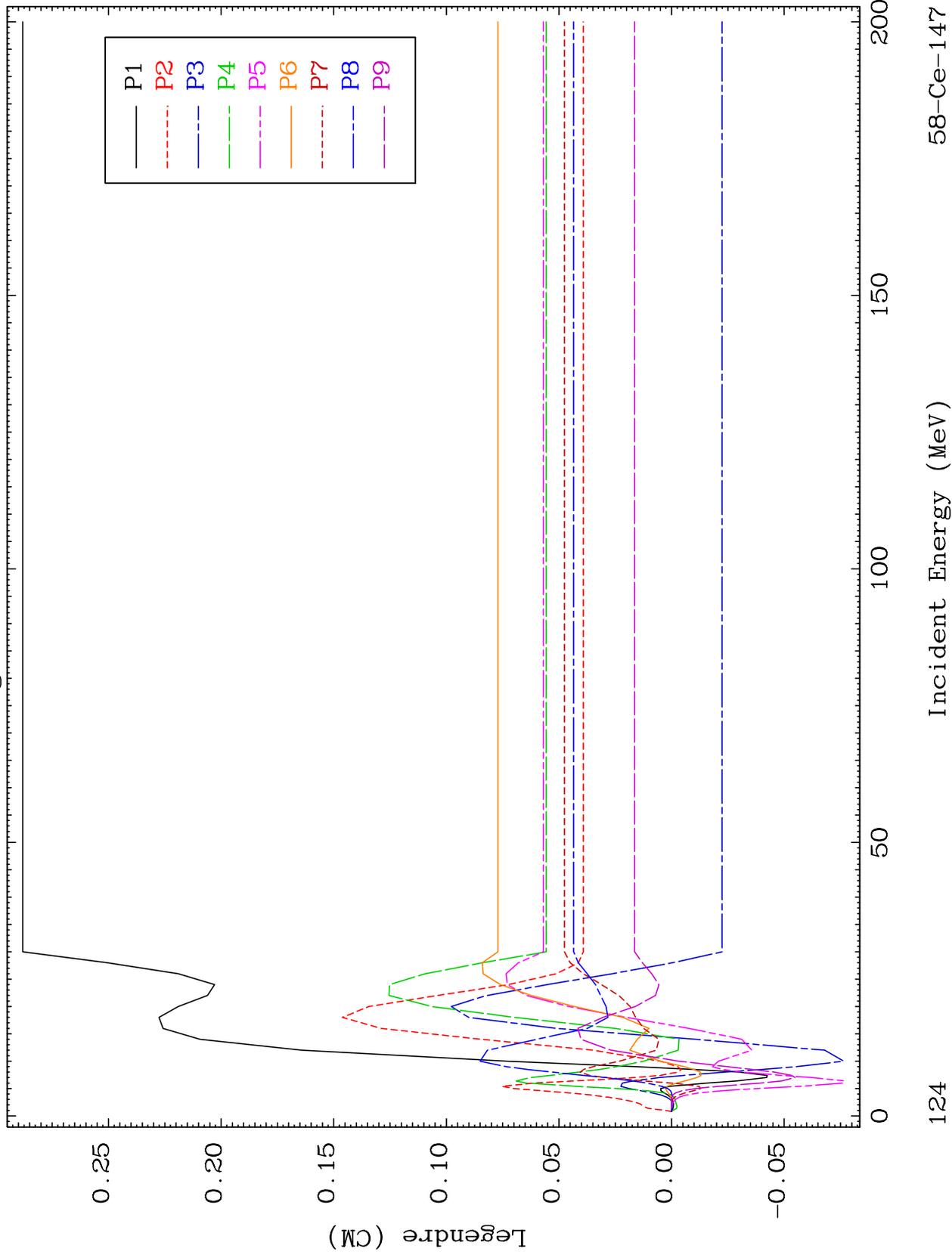


123

MAT 5858

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

58-Ce-147



58-Ce-147

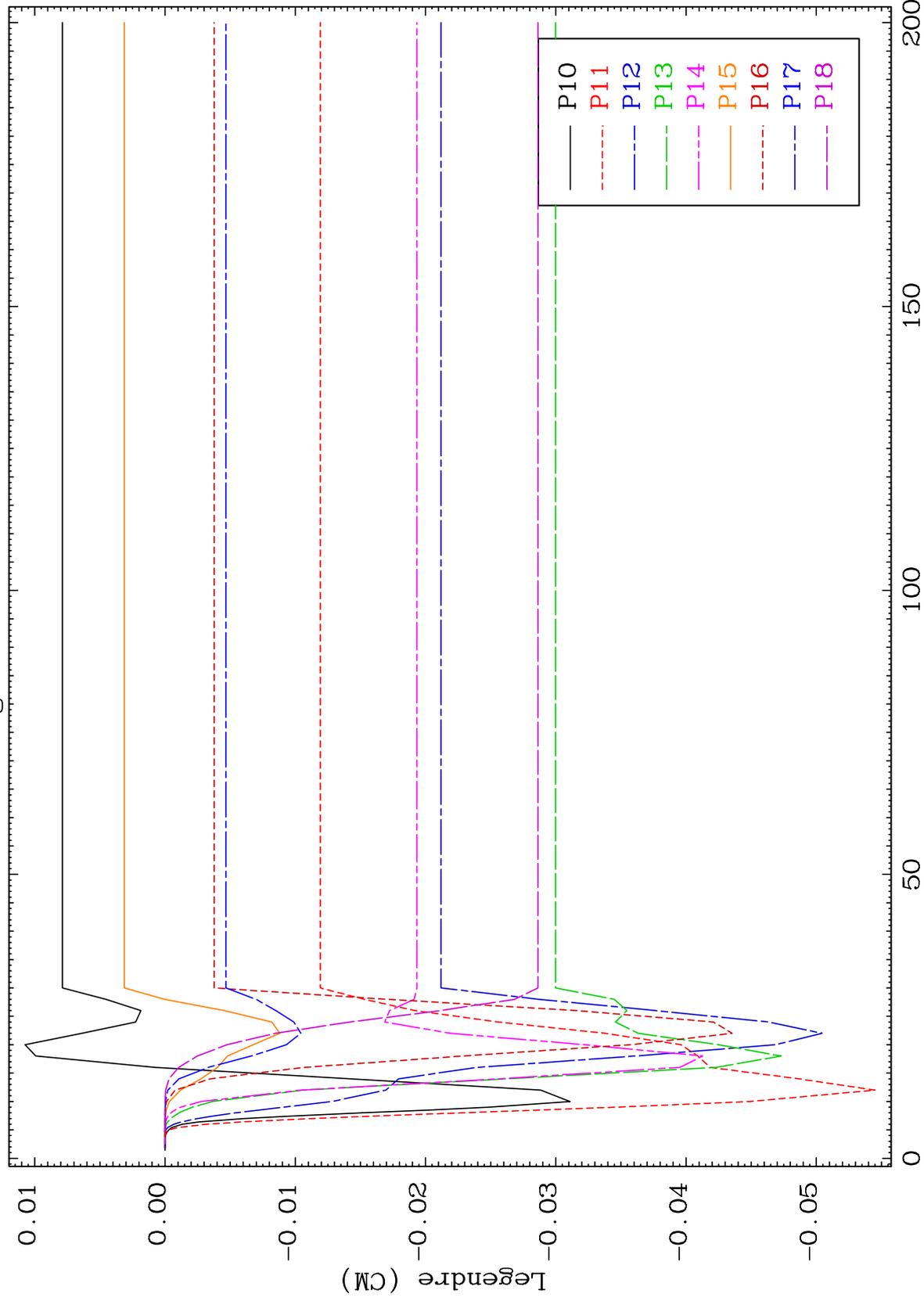
Incident Energy (MeV)

124

MAT 5858

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

58-Ce-147



58-Ce-147

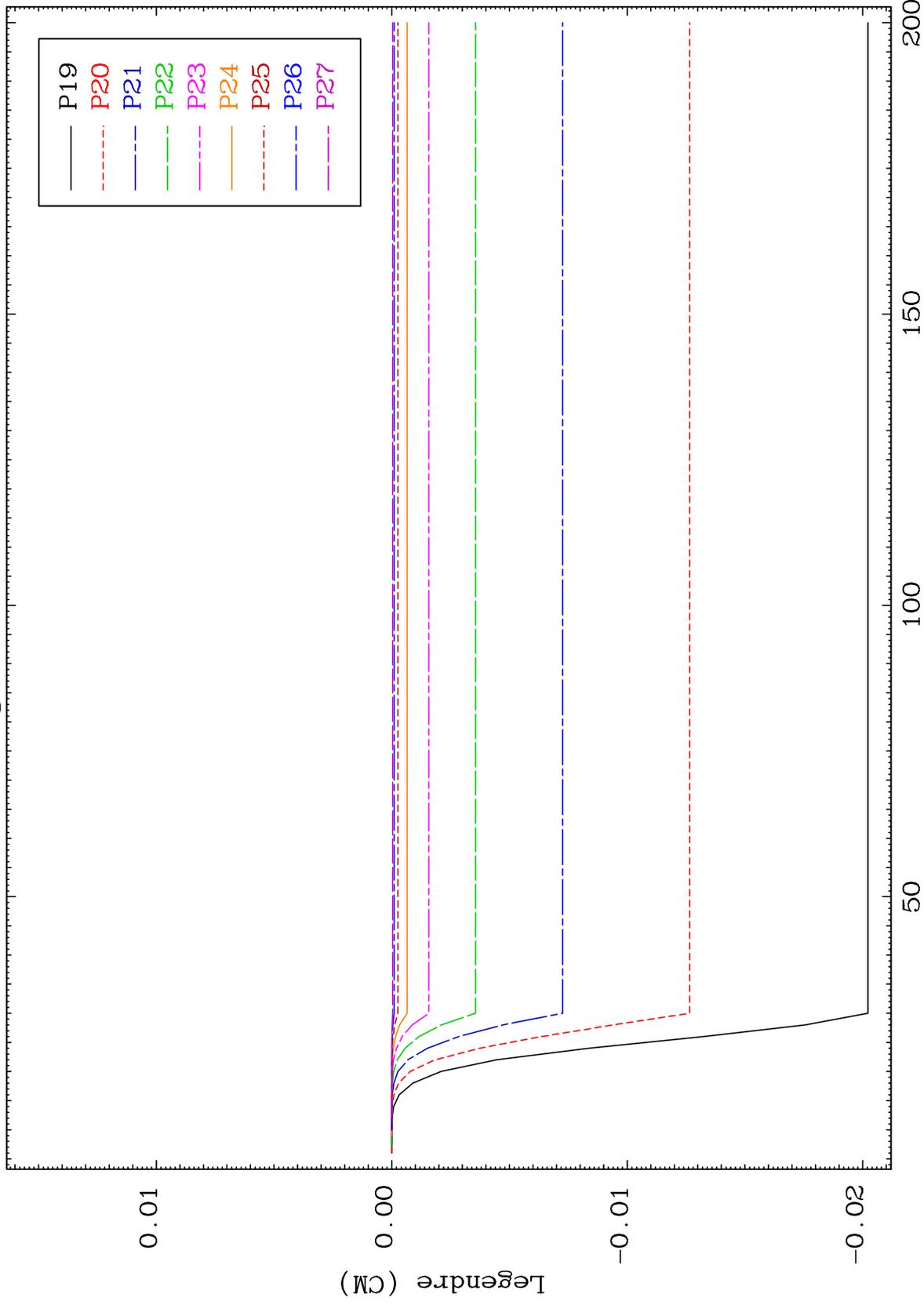
Incident Energy (MeV)

125

MAT 5858

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

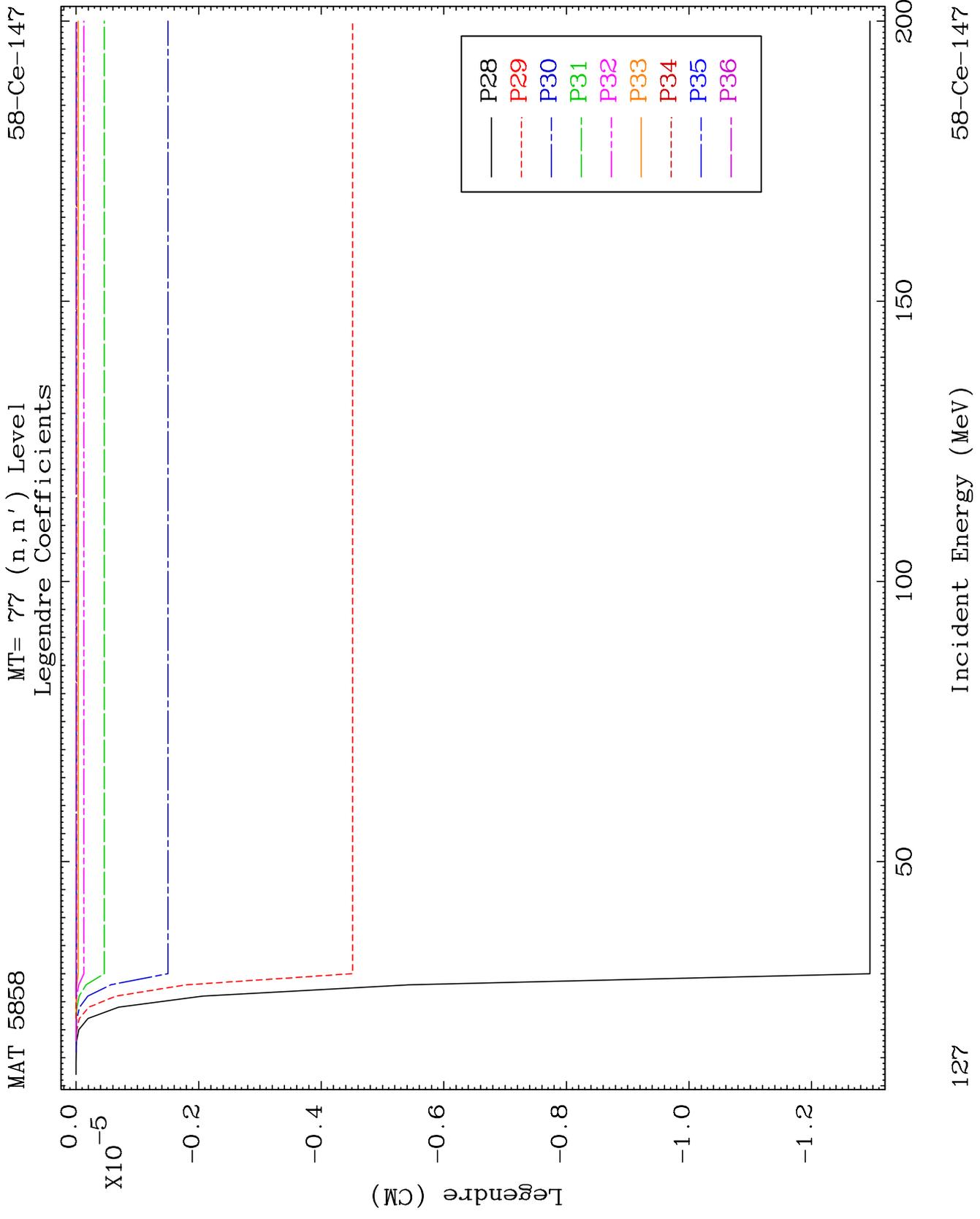
58-Ce-147



126

Incident Energy (MeV)

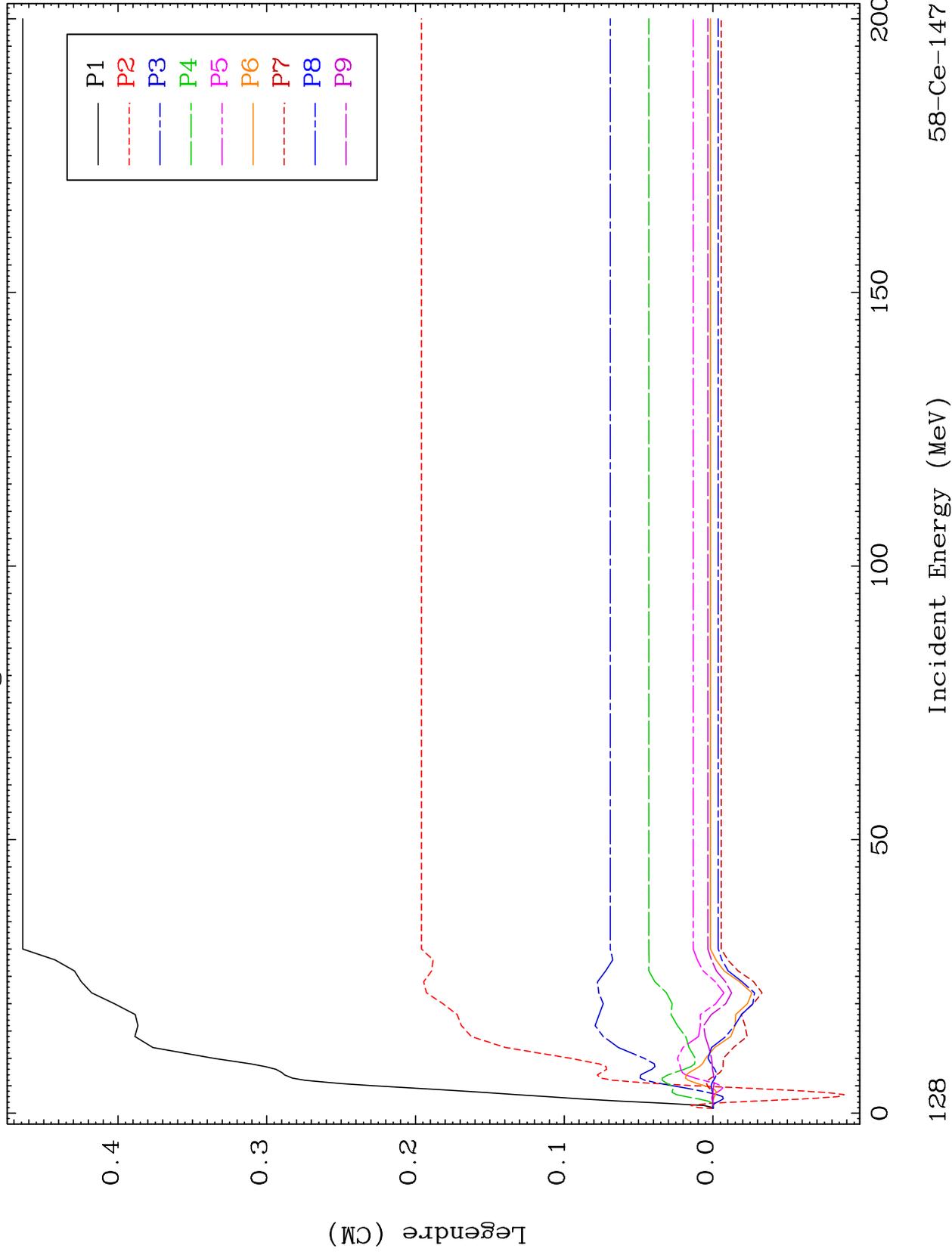
58-Ce-147



MAT 5858

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

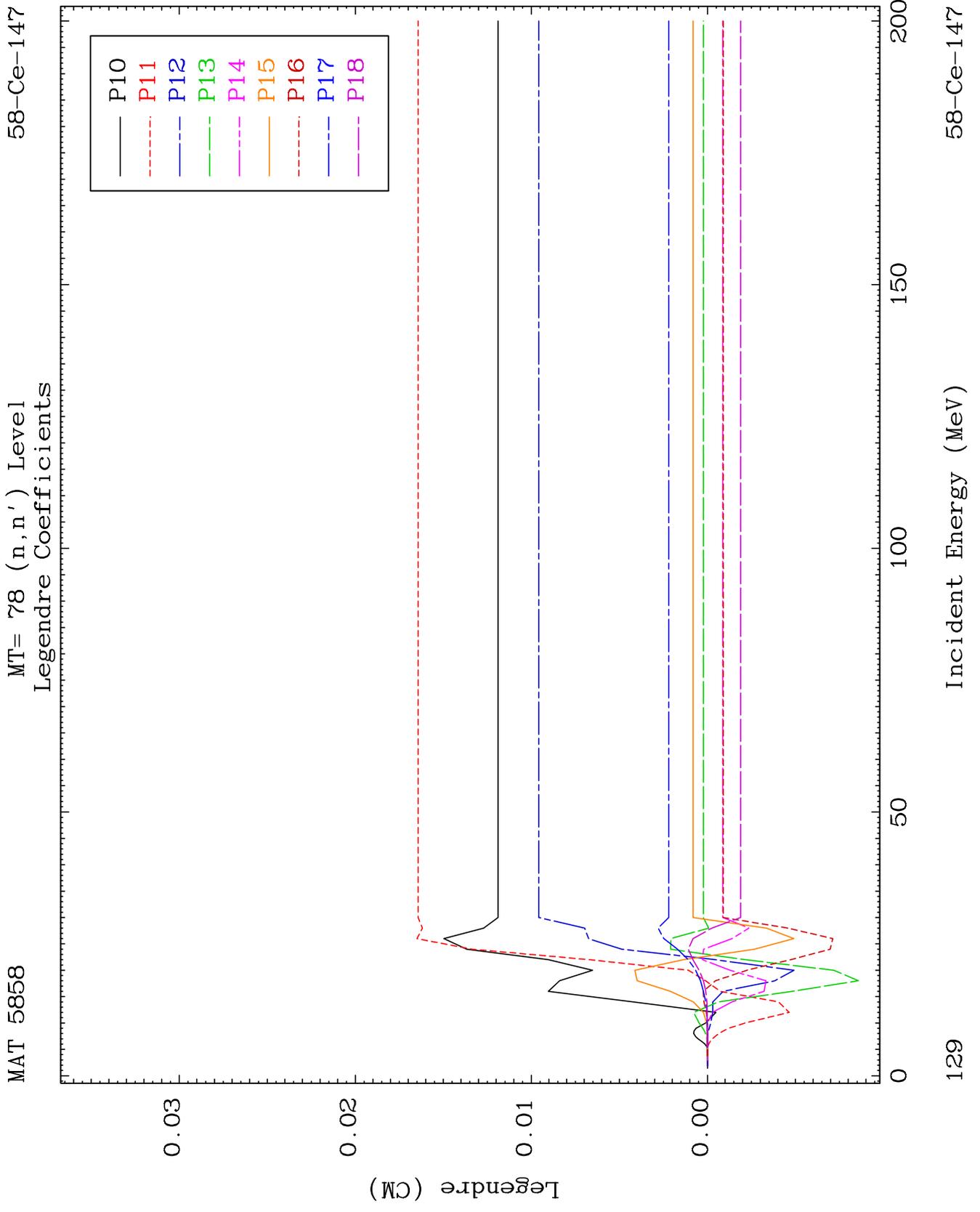
58-Ce-147



58-Ce-147

Incident Energy (MeV)

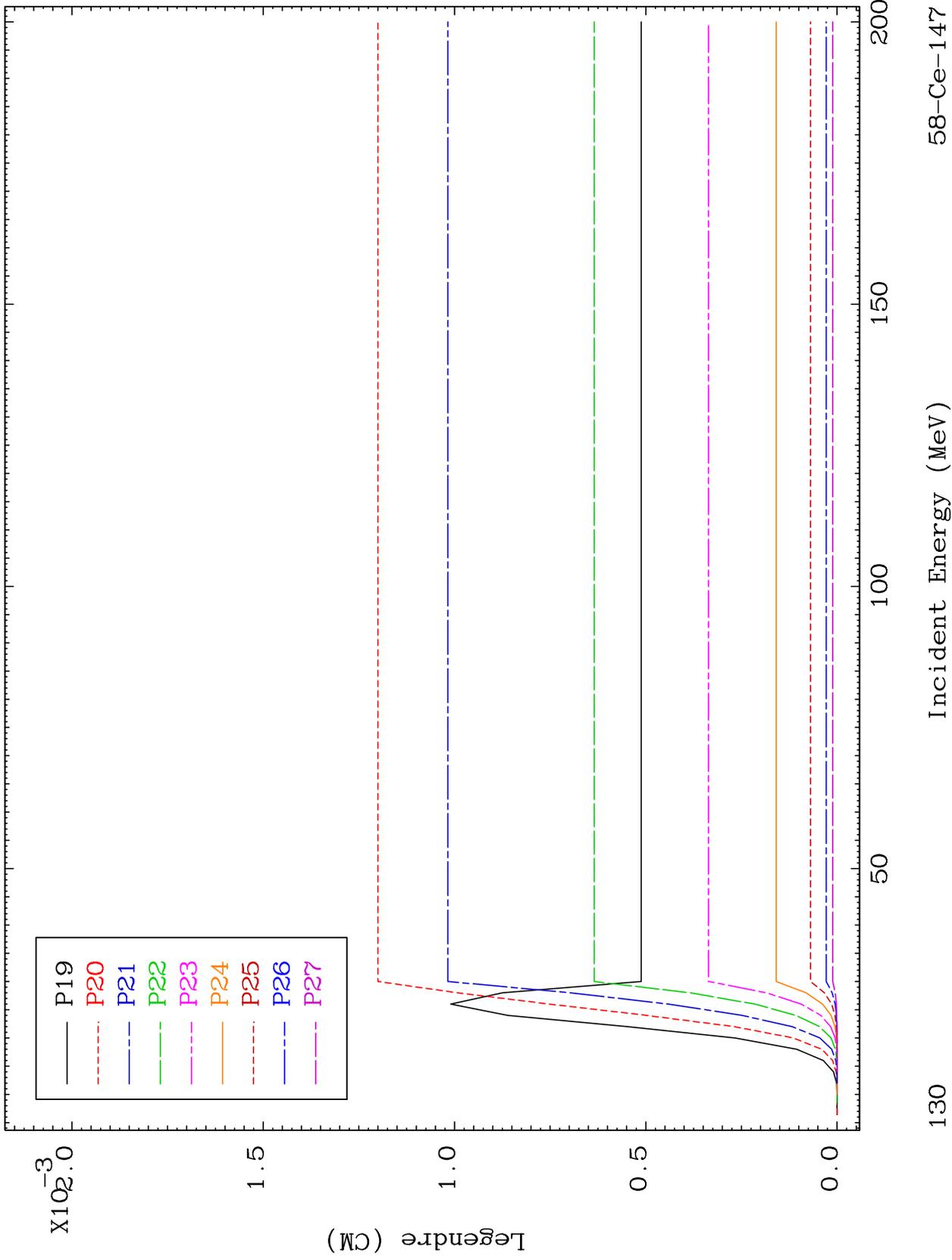
128



MAT 5858

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

58-Ce-147



130

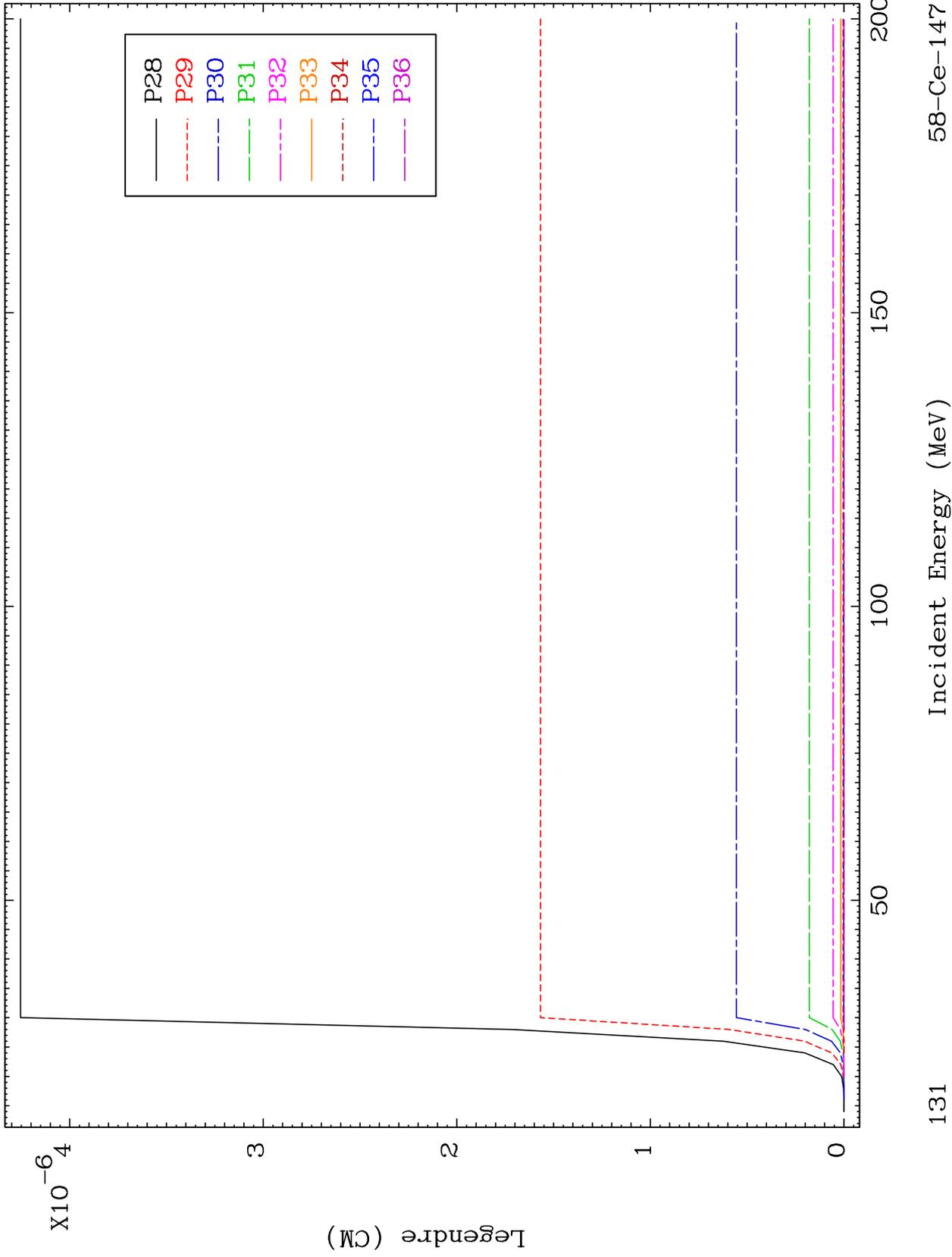
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

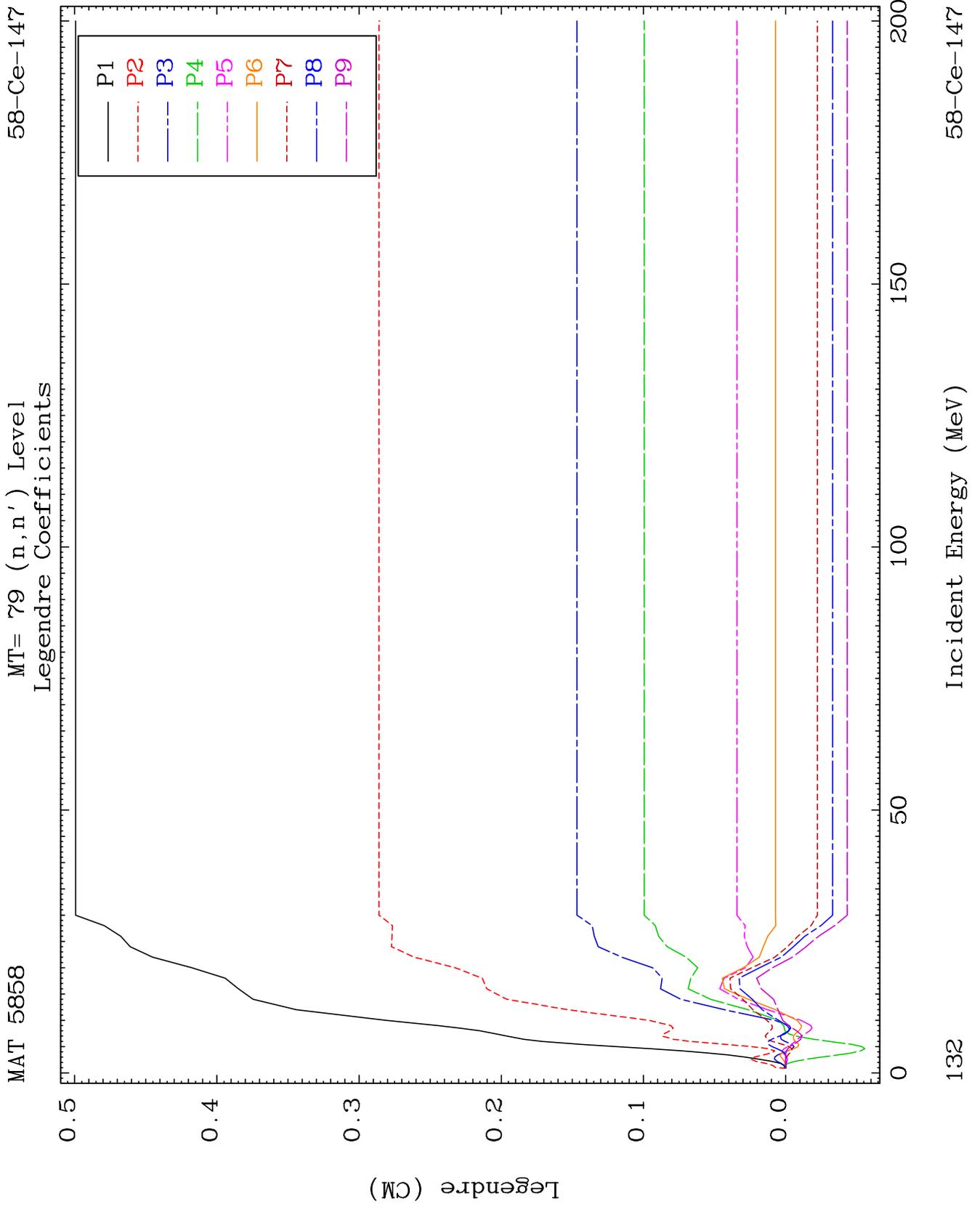
58-Ce-147



131

Incident Energy (MeV)

58-Ce-147



58-Ce-147

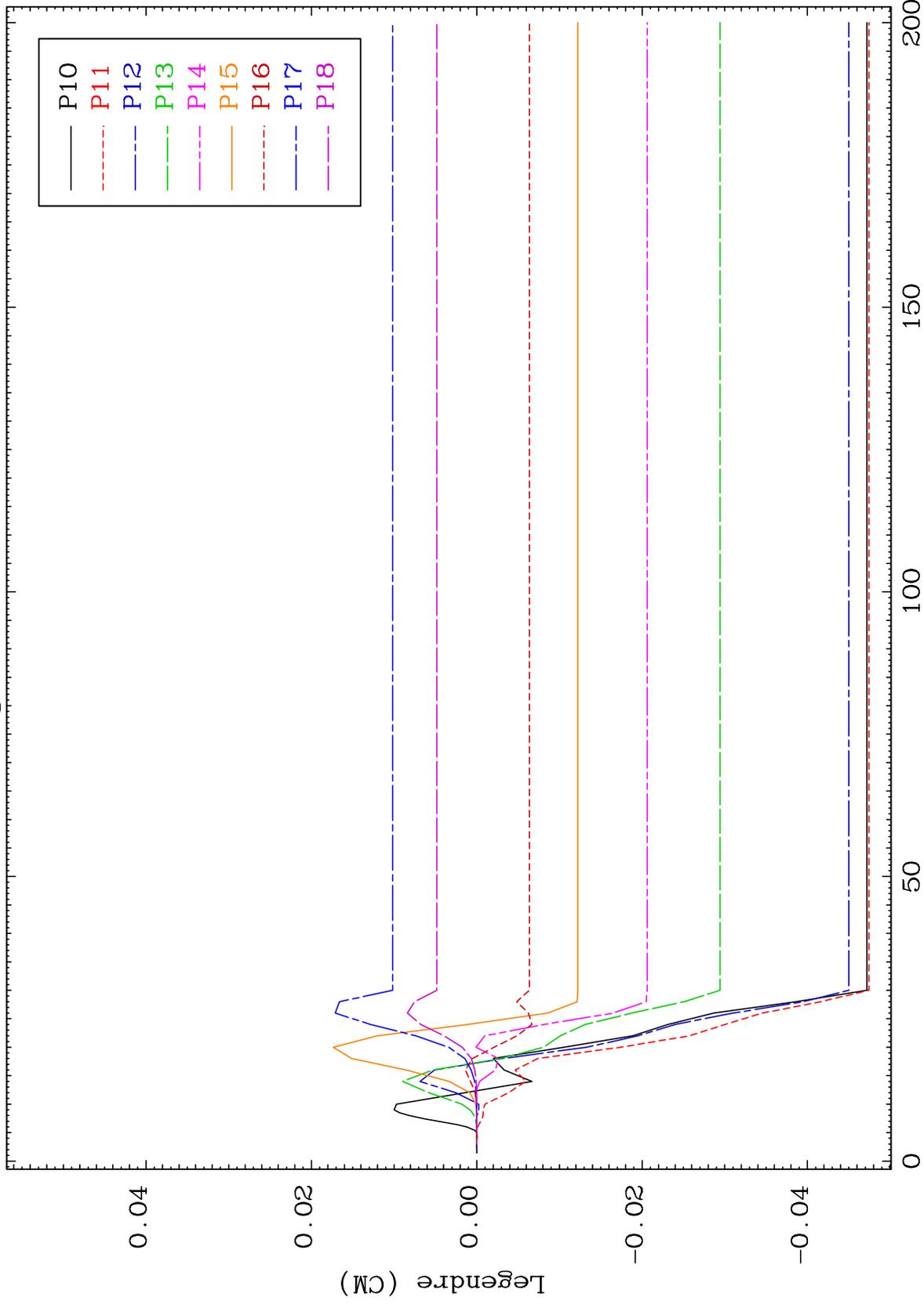
Incident Energy (MeV)

132

MAT 5858

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

58-Ce-147



133

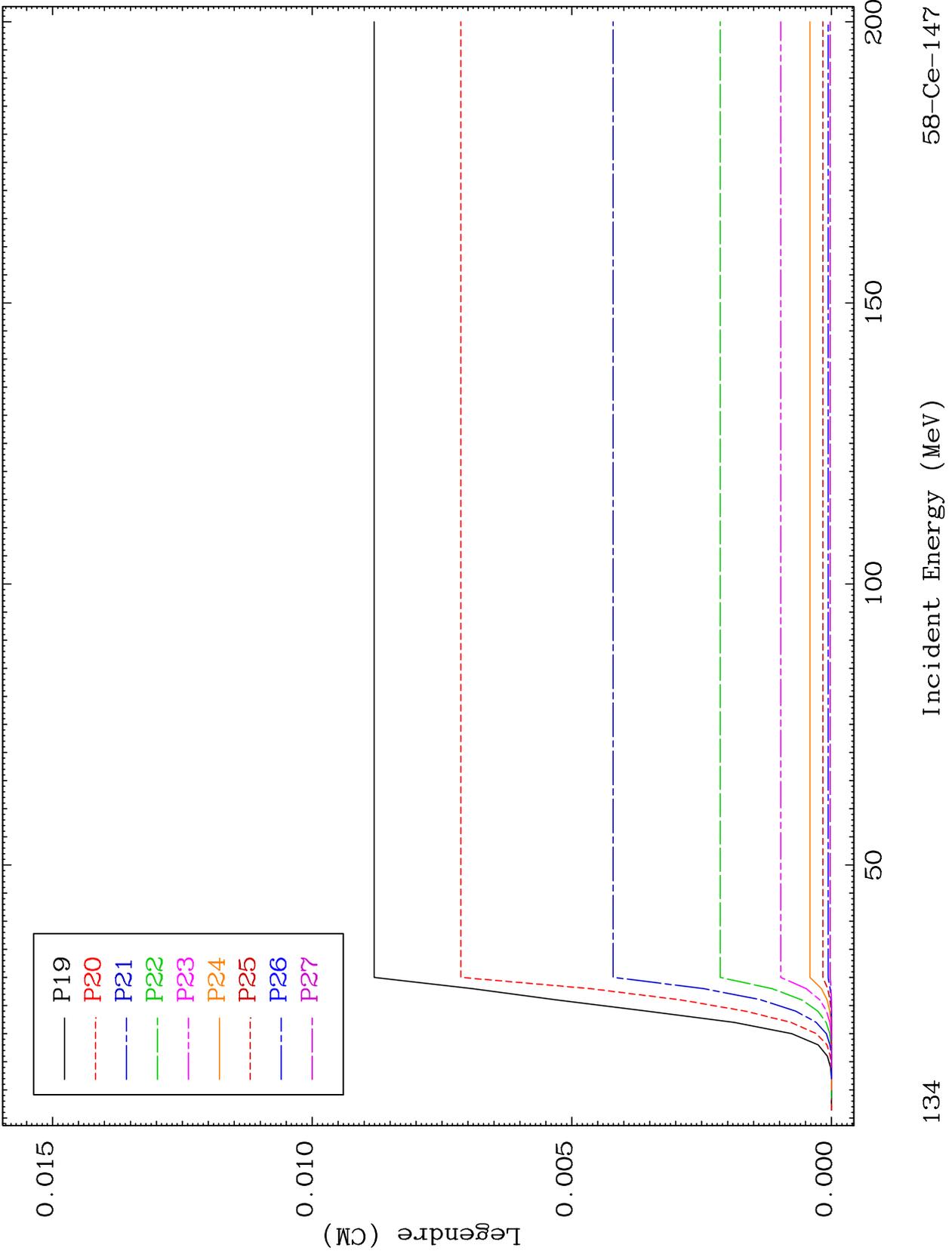
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



134

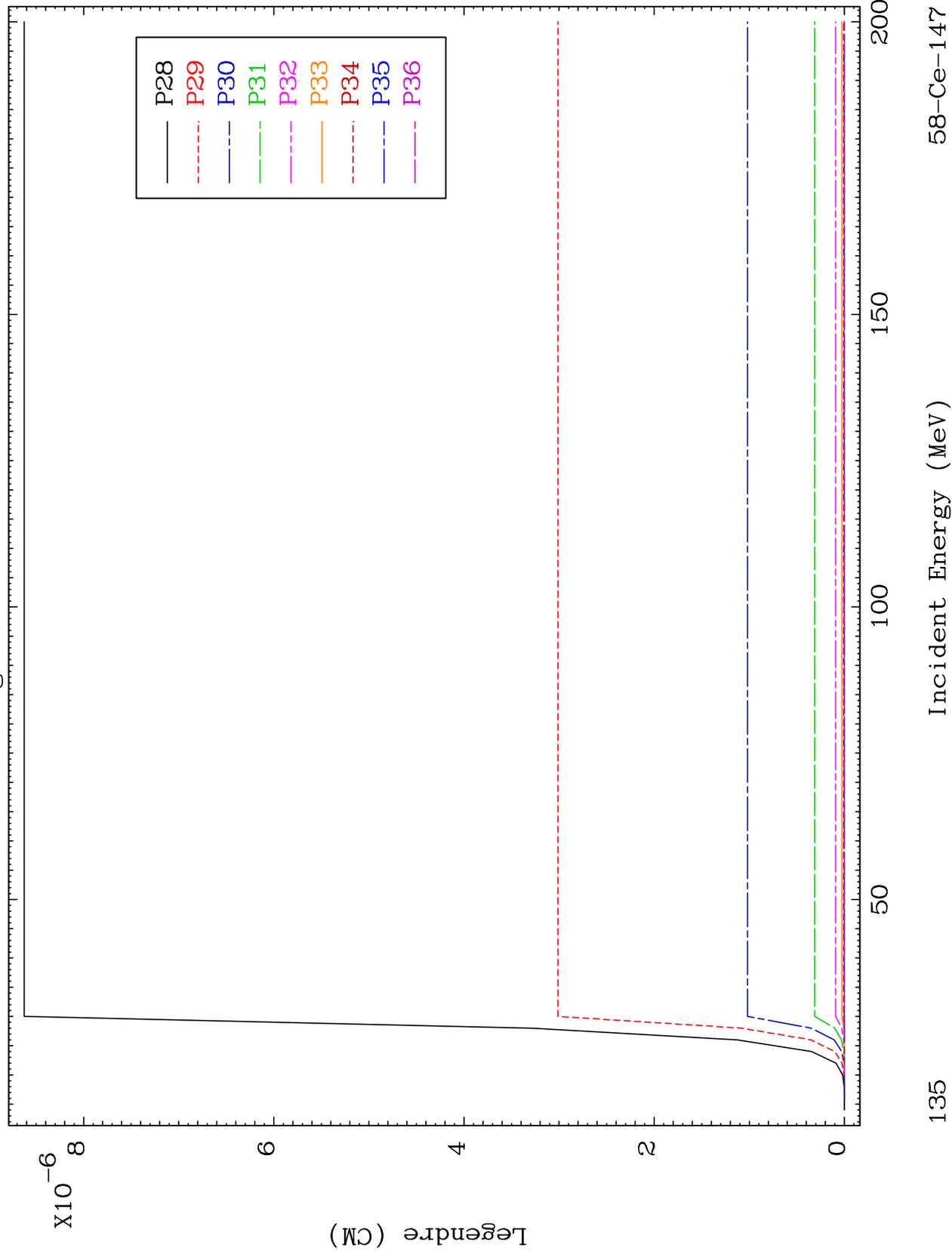
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

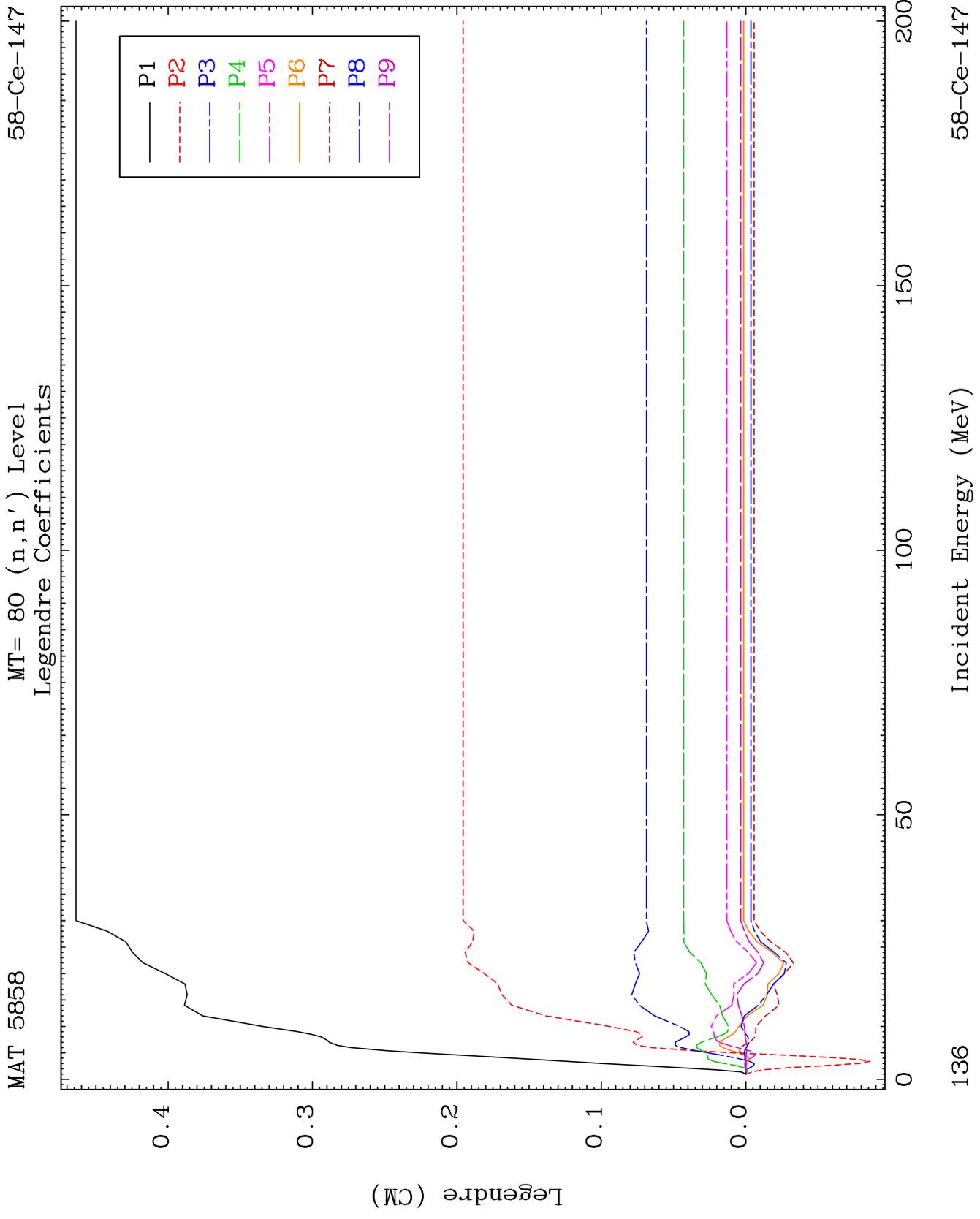
58-Ce-147



135

Incident Energy (MeV)

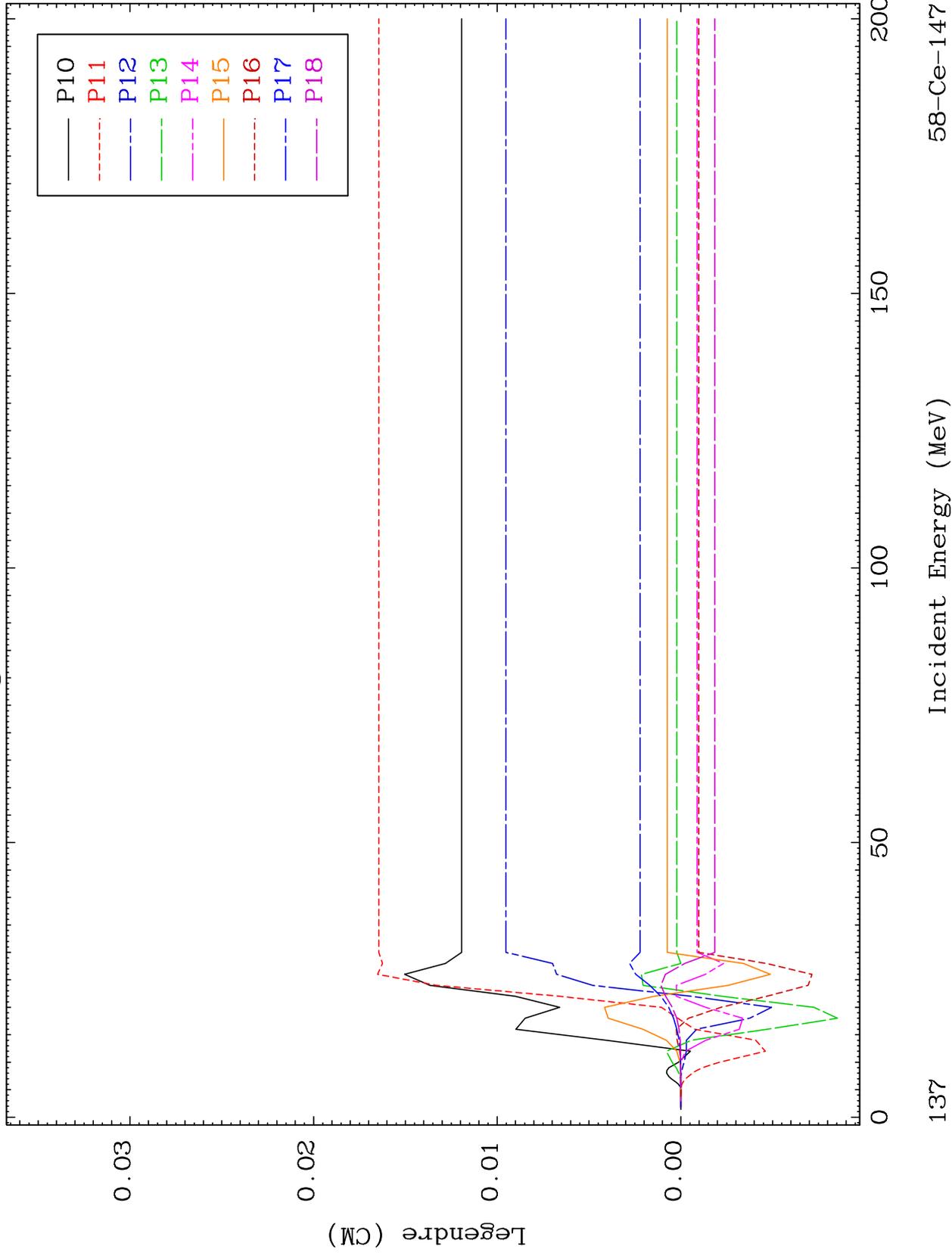
58-Ce-147



MAT 5858

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

58-Ce-147



137

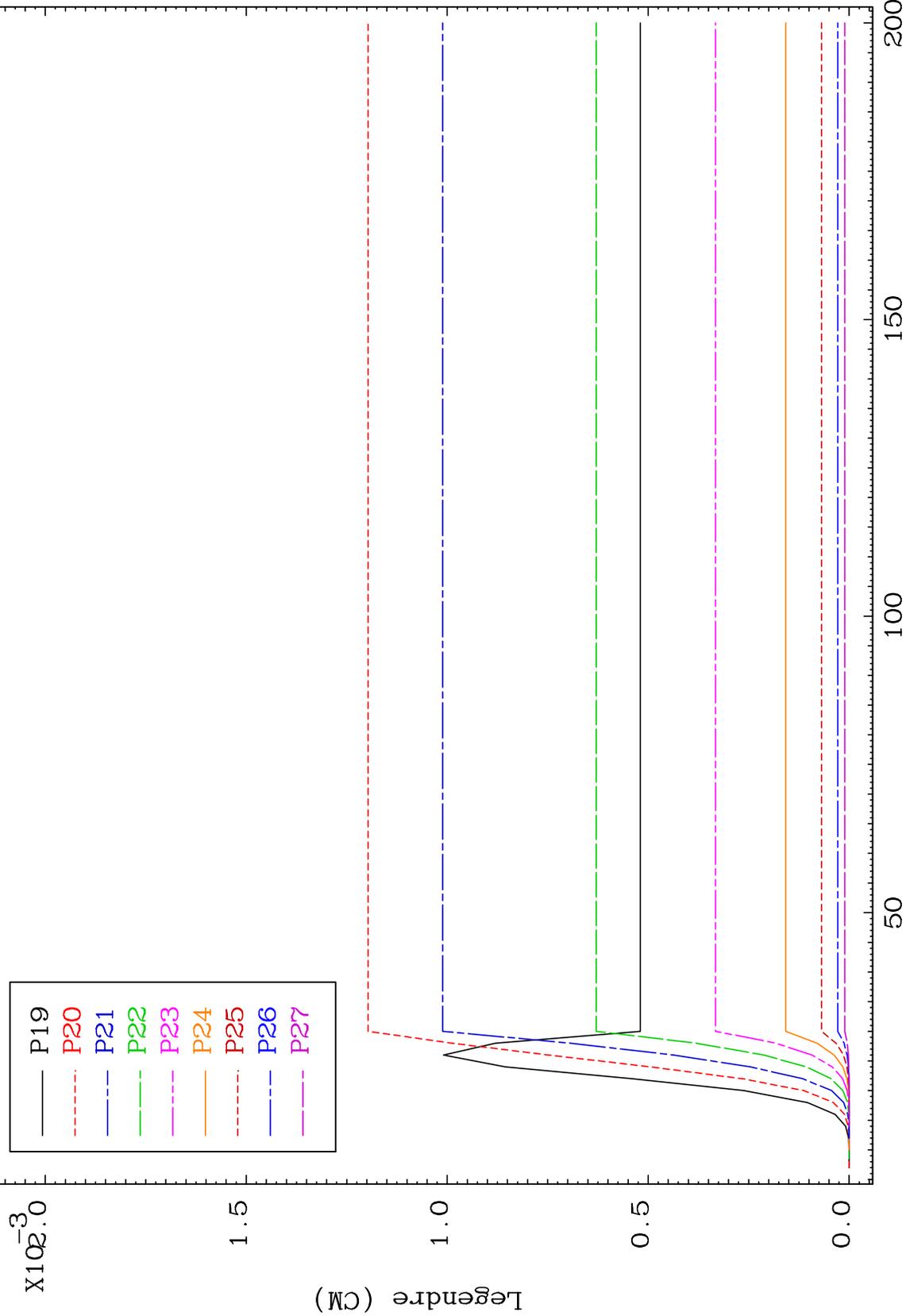
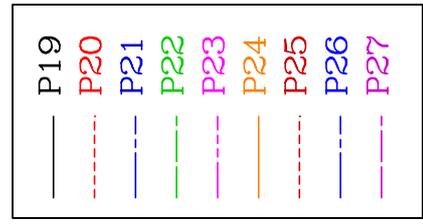
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



138

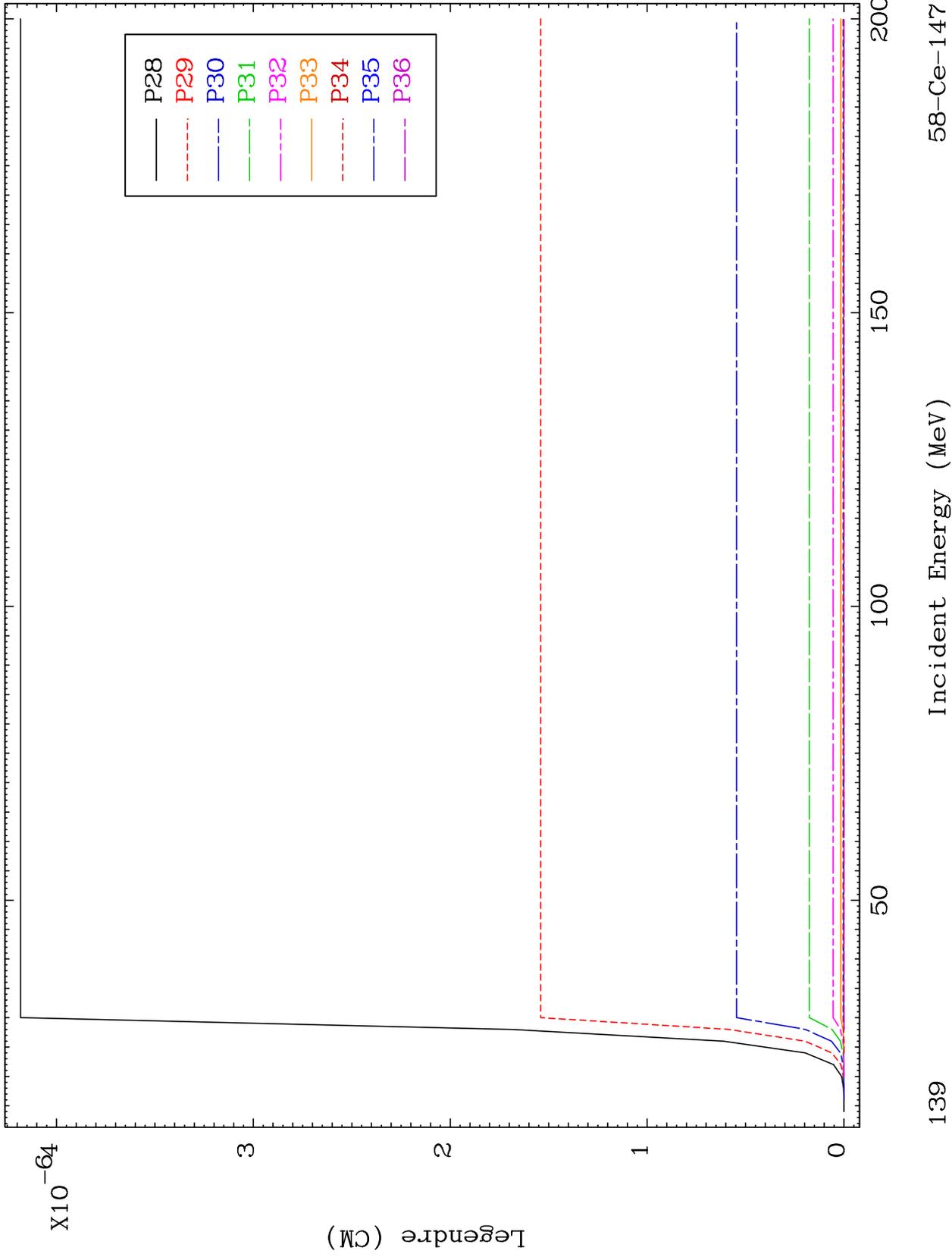
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



139

Incident Energy (MeV)

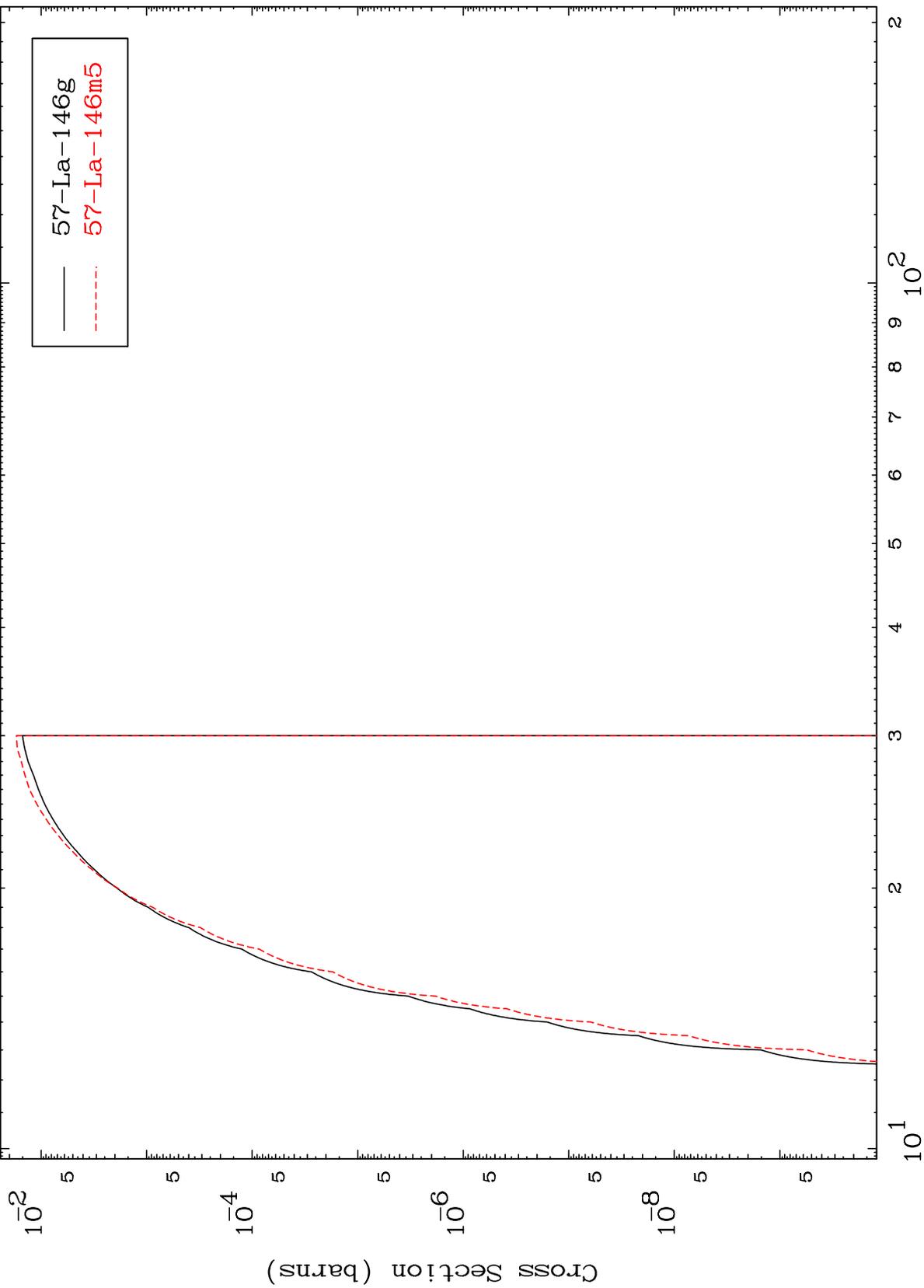
58-Ce-147

MAT 5858

(n,n') p

58-Ce-147

Radionuclide Production Cross Section



140

Incident Energy (MeV)

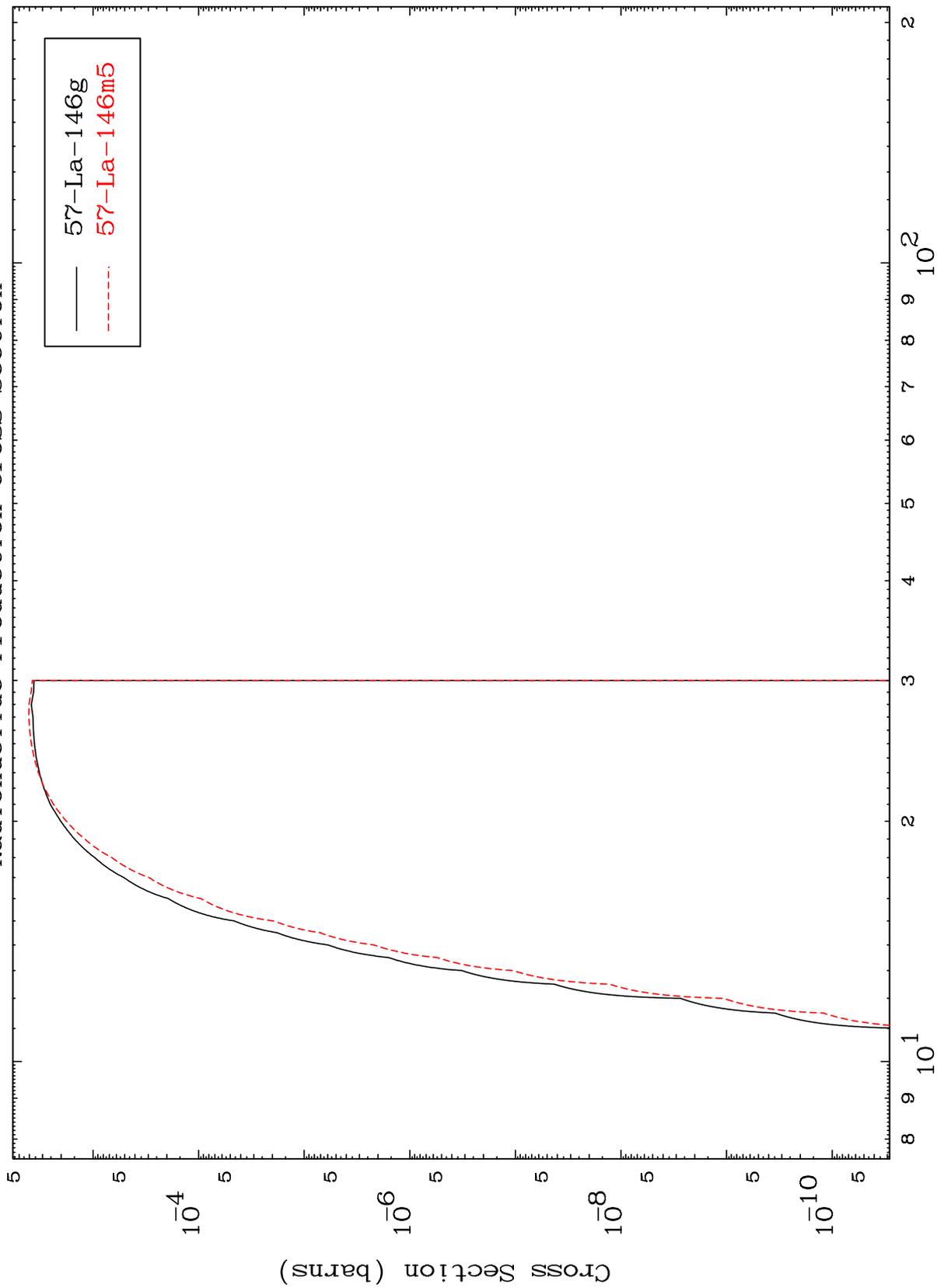
58-Ce-147

MAT 5858

(n,d)

58-Ce-147

Radionuclide Production Cross Section



141

Incident Energy (MeV)

58-Ce-147