

Program EVALPLOT
(Version 2018-1)

by

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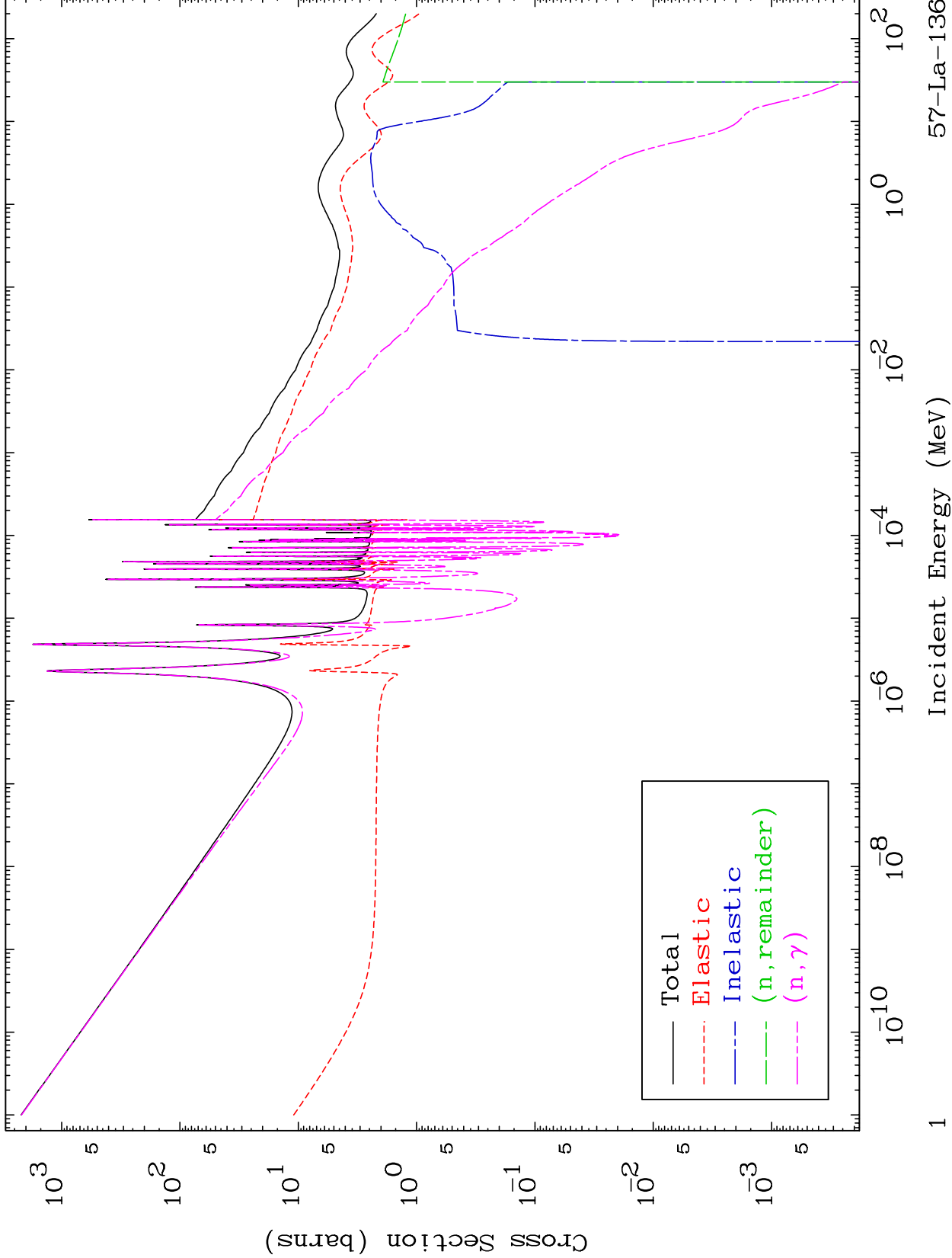
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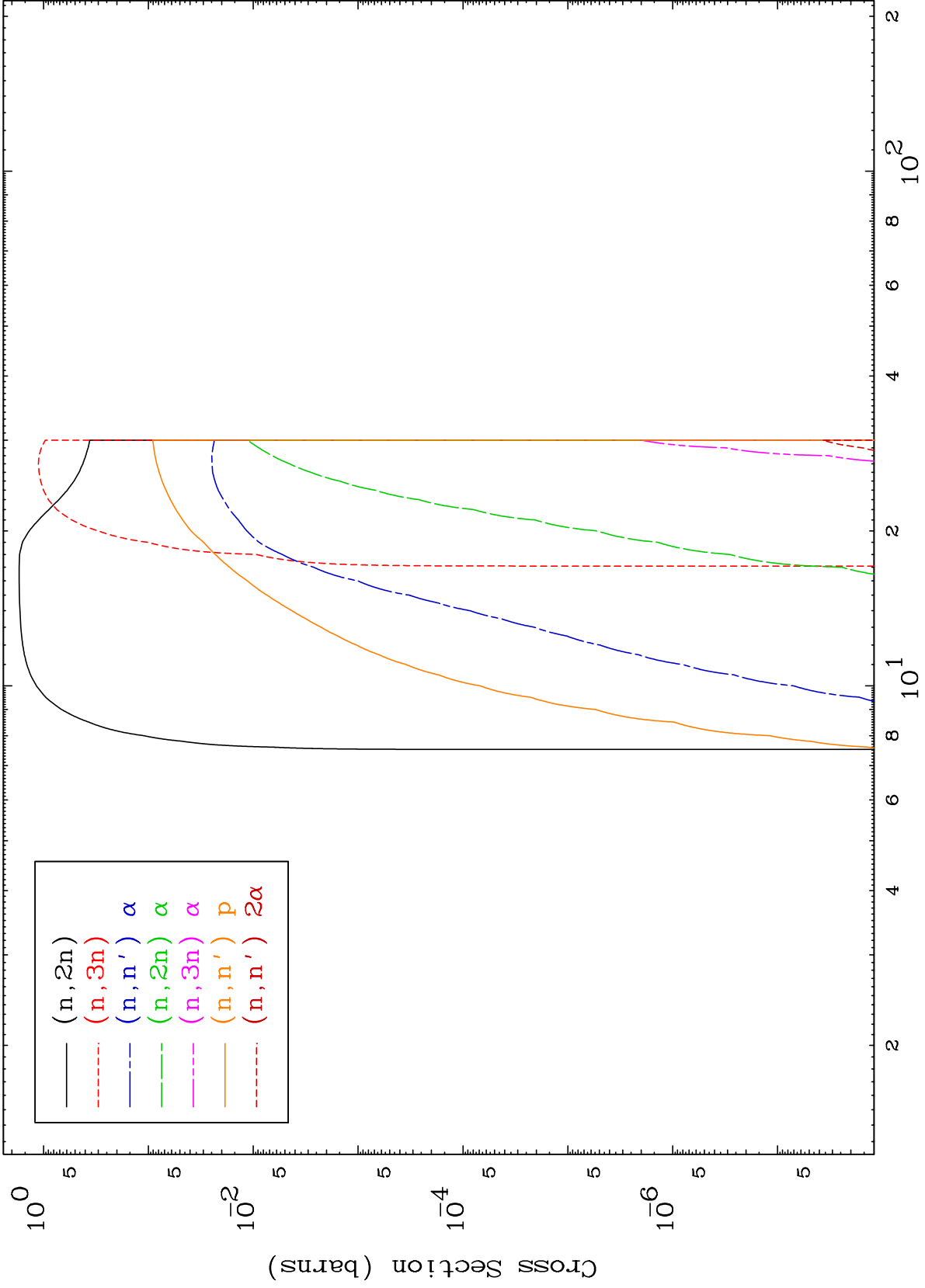
MAT 5719

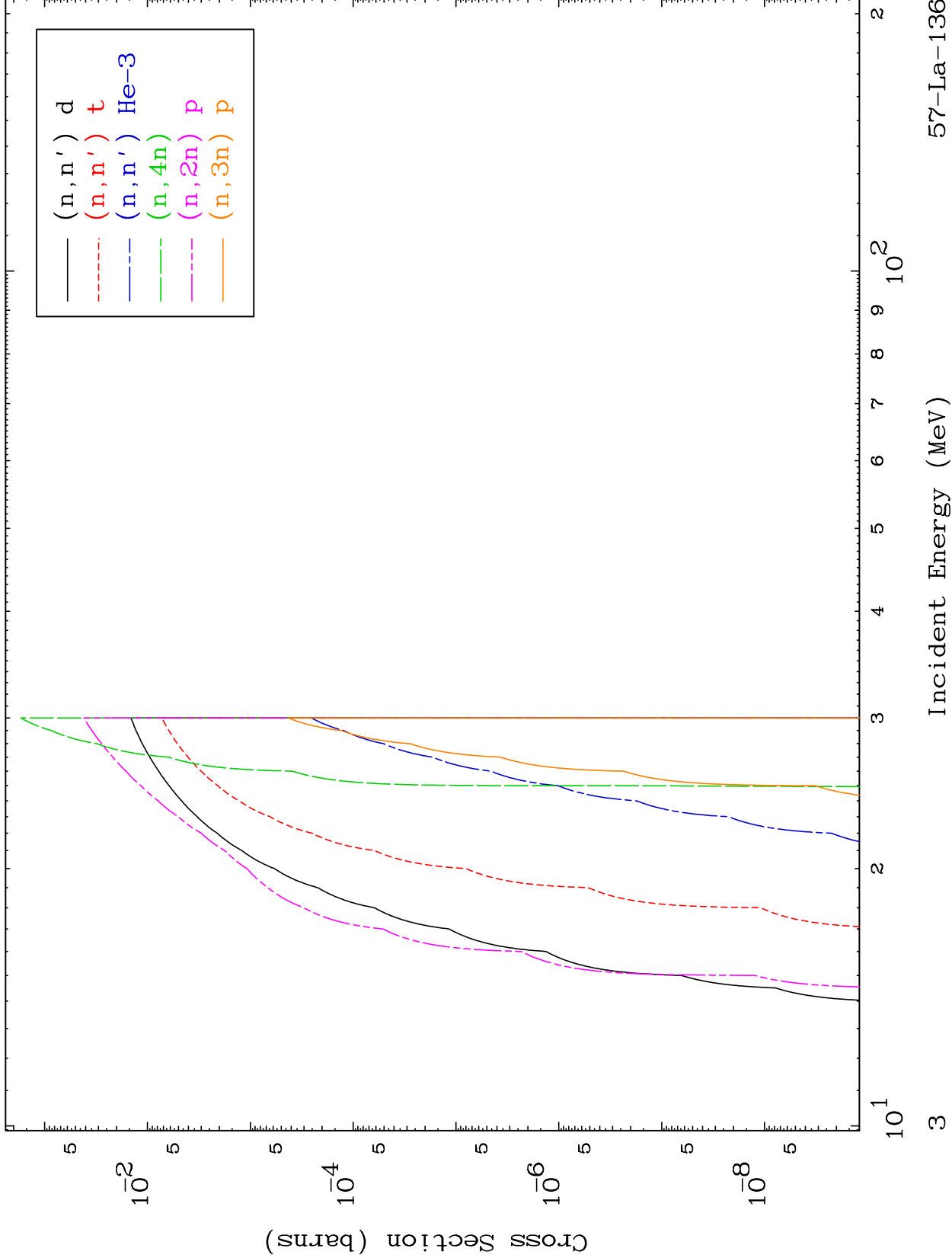
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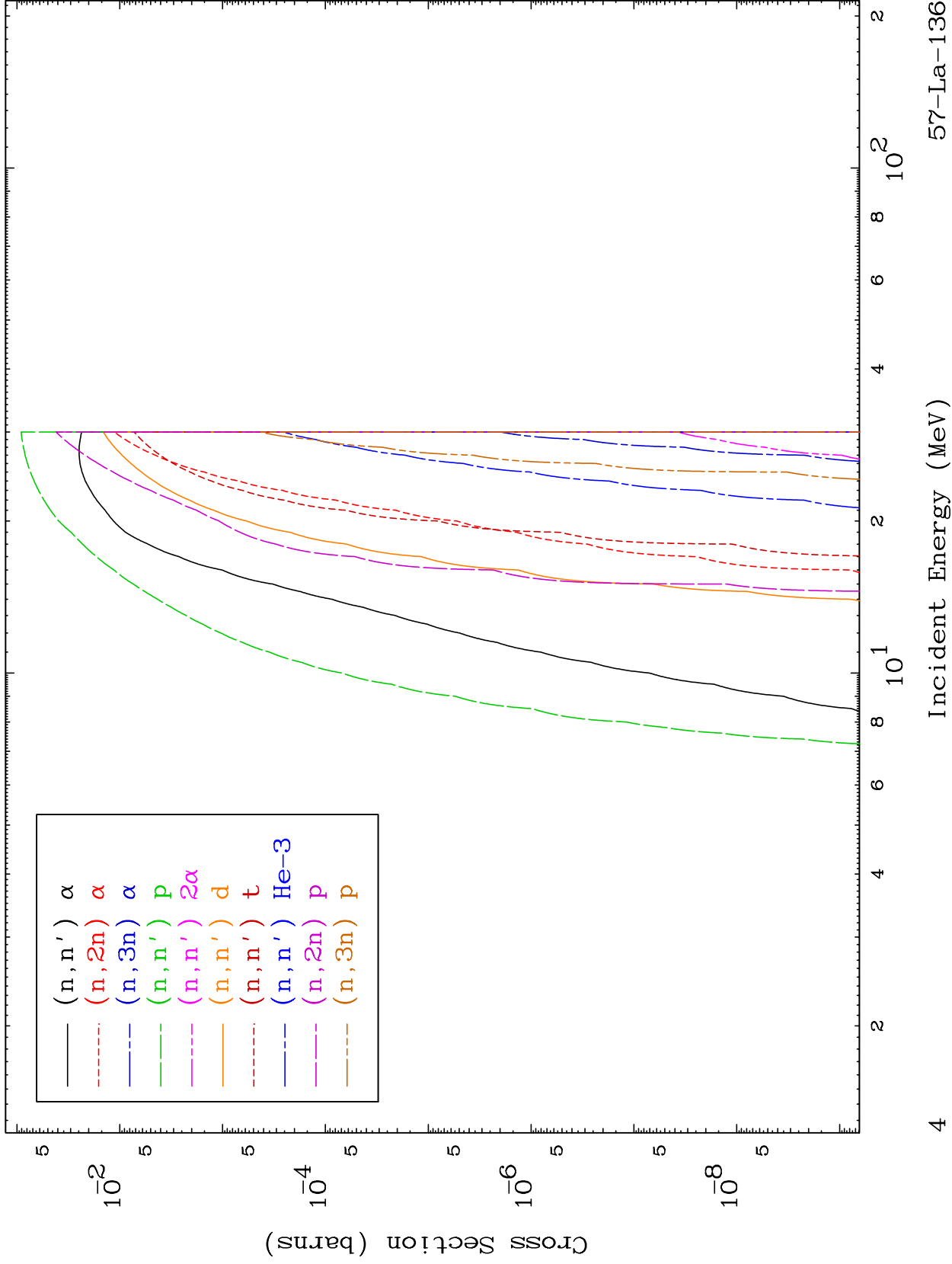
57-La-136

293 Kelvin Cross Sections





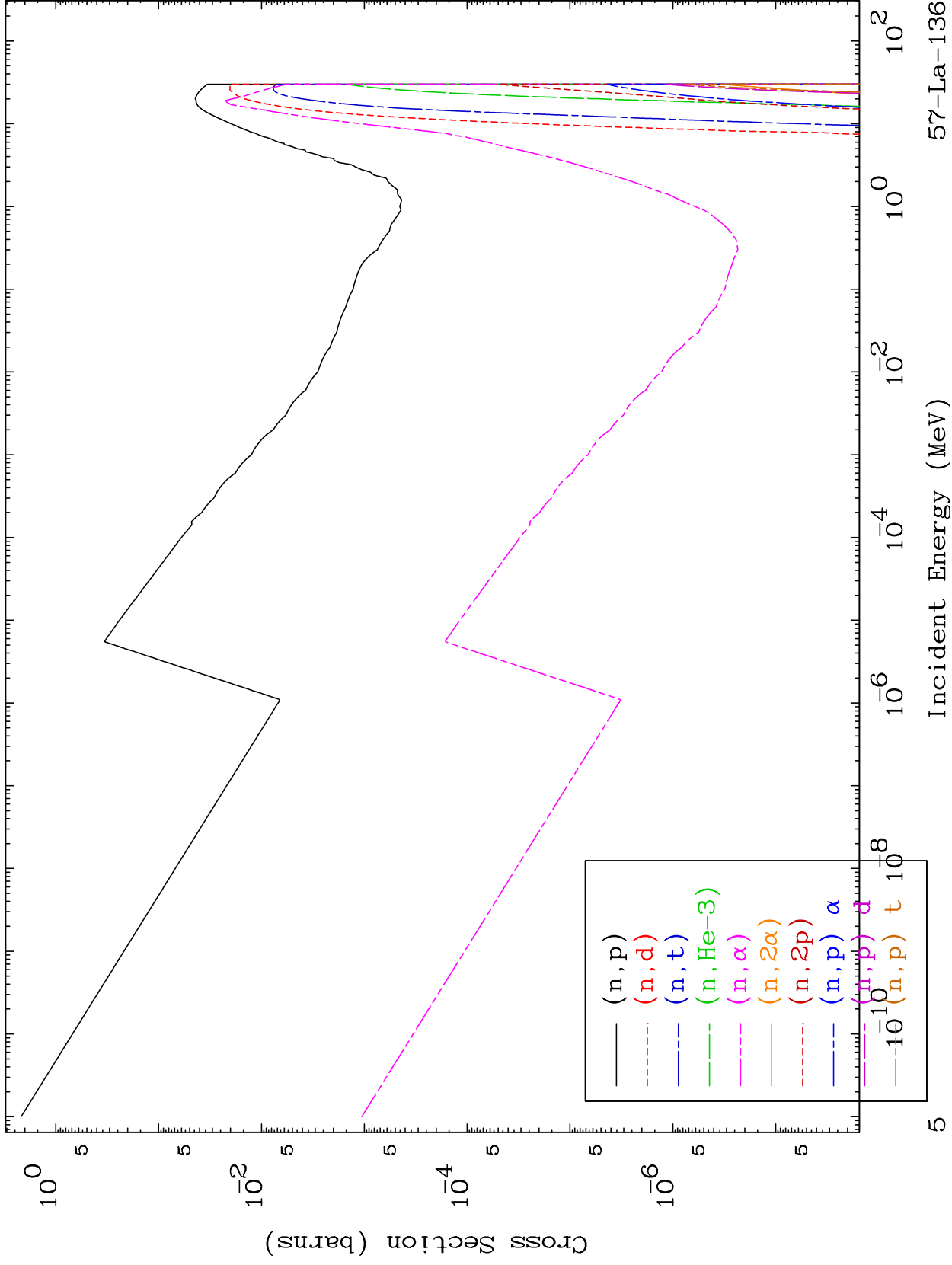




MAT 5719

Charged Particle
293 Kelvin Cross Sections

57-La-136

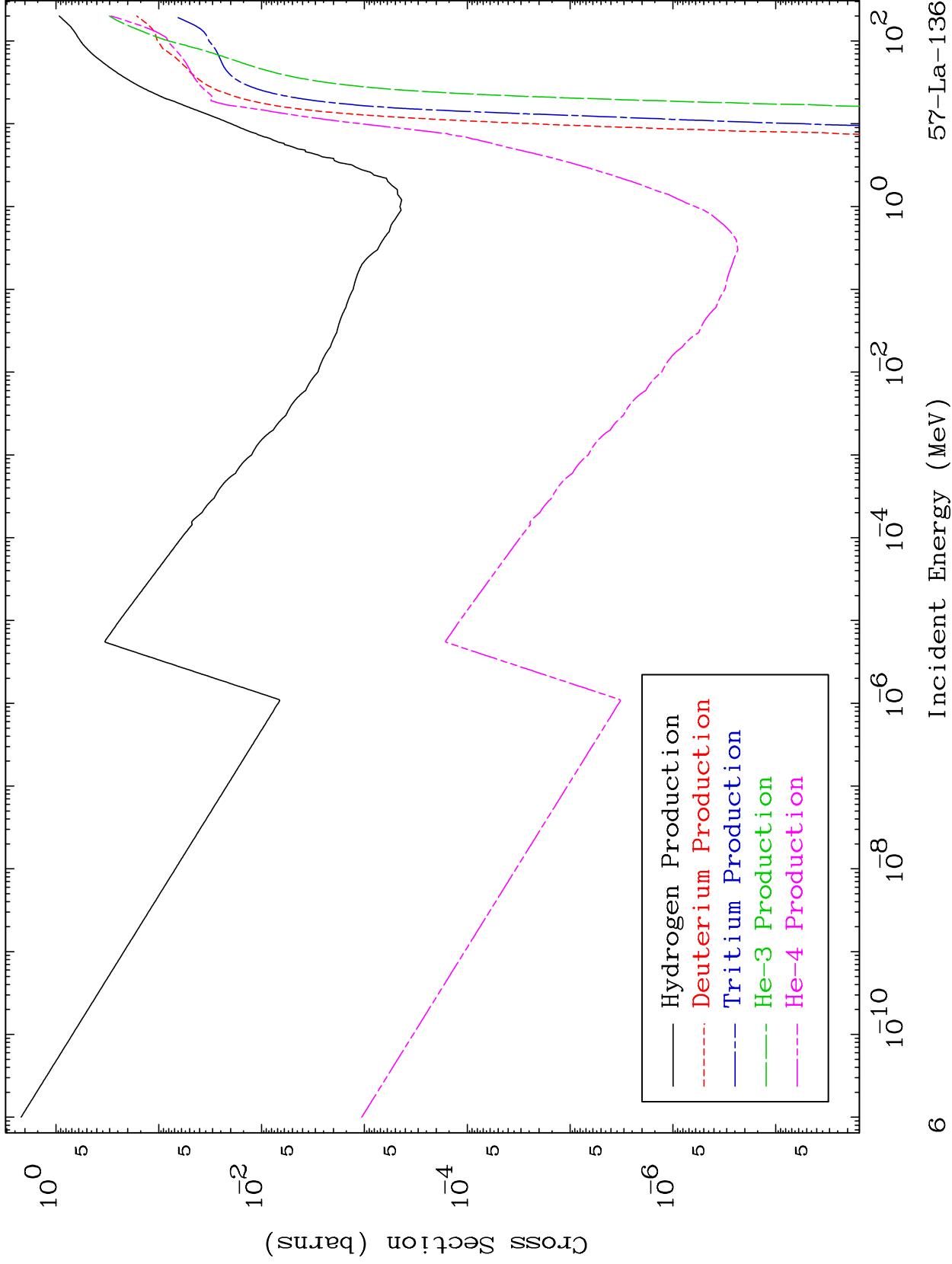


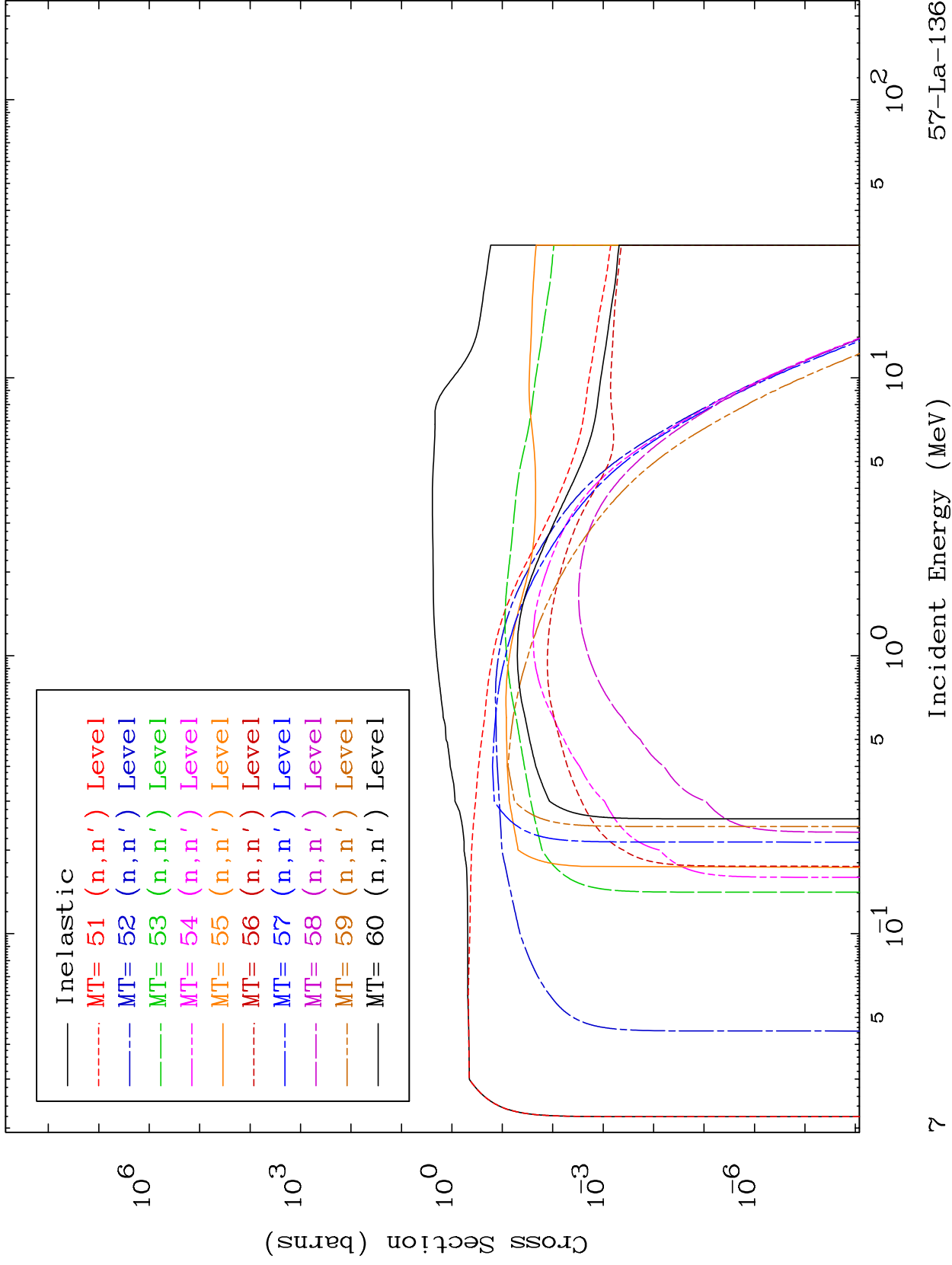
57-La-136

MAT 5719

Particle Production
293 Kelvin Cross Sections

57-La-136



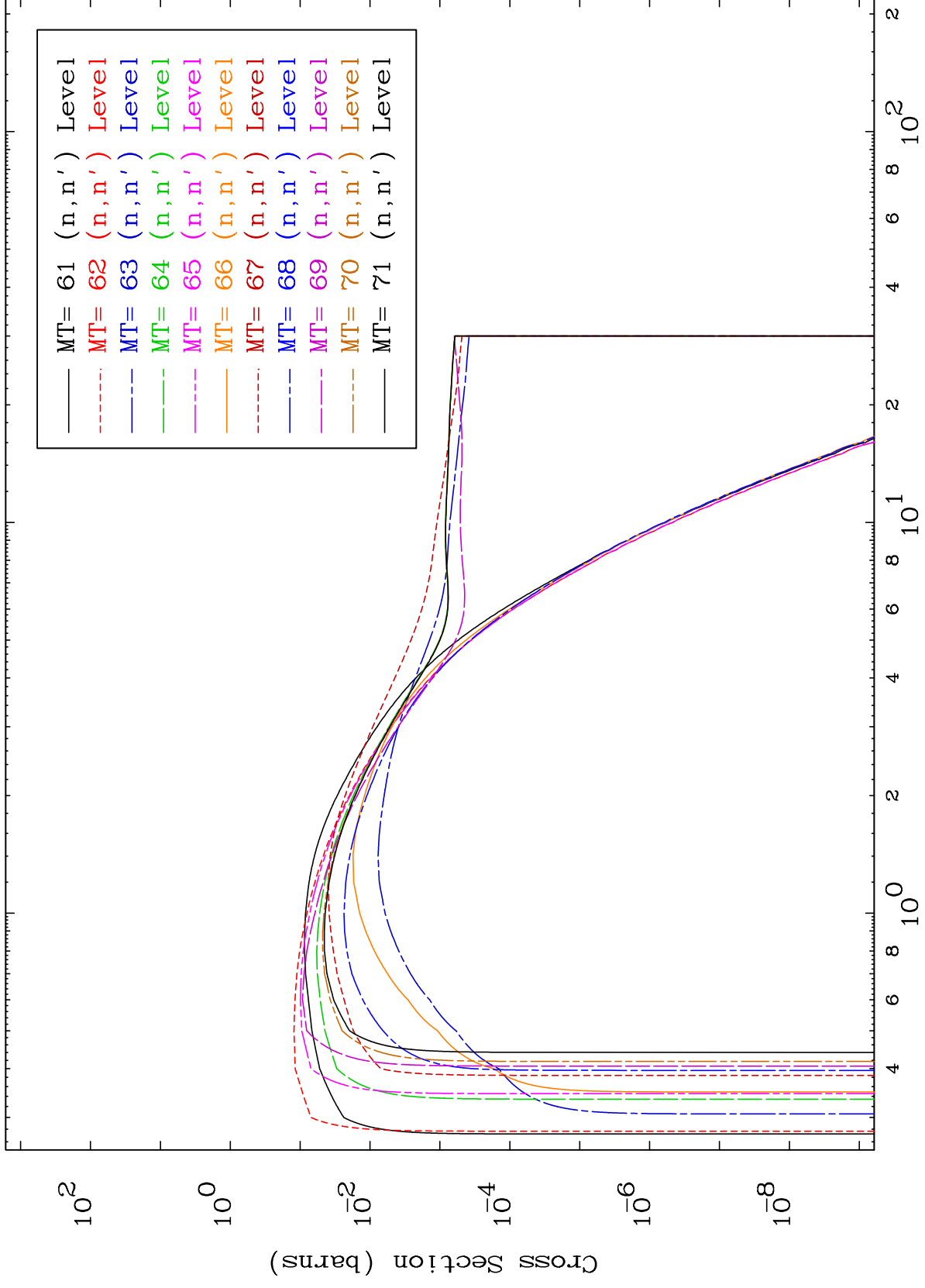


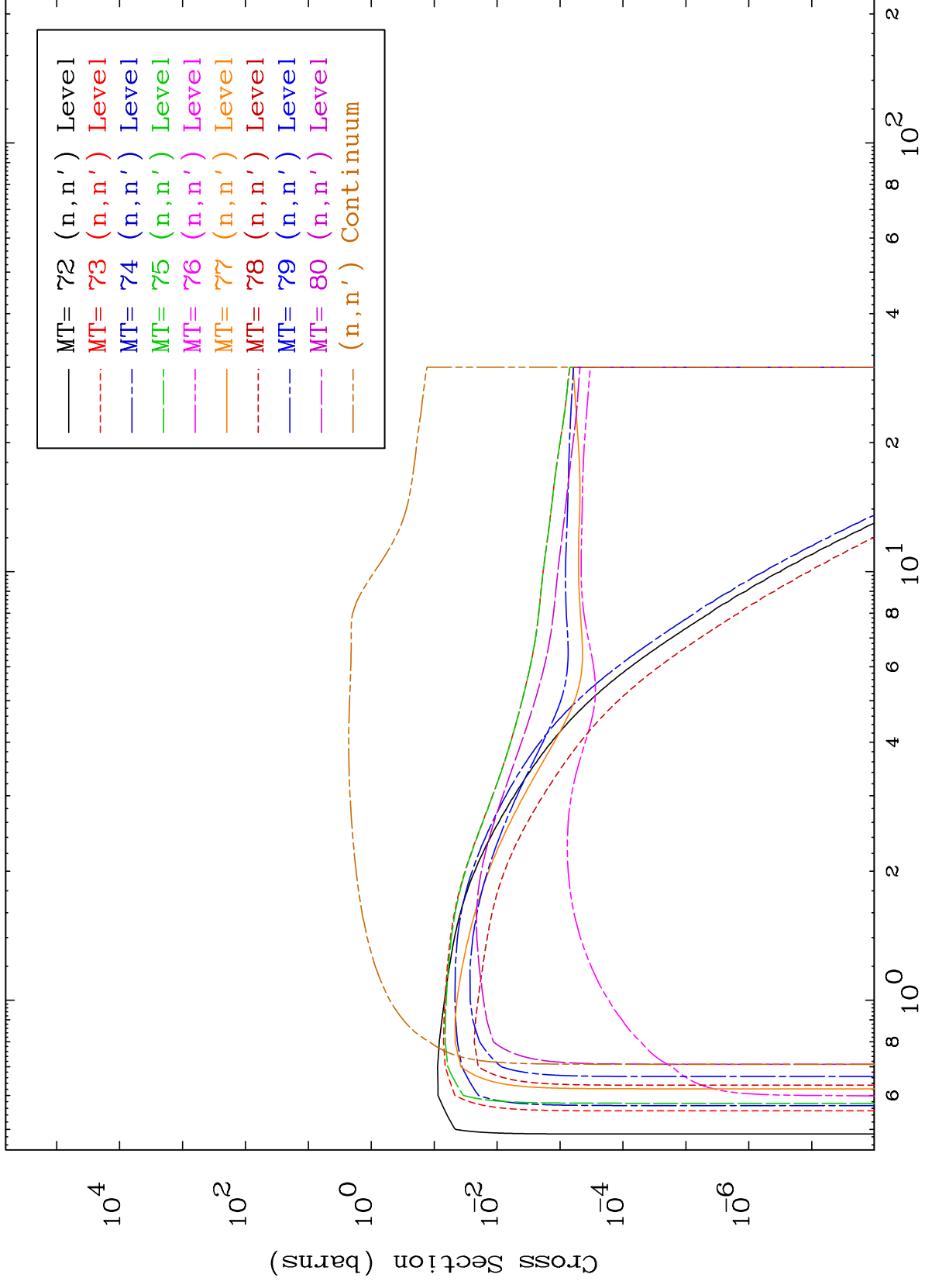
MAT 5719

(n,n') Level

293 Kelvin Cross Sections

57-La-136

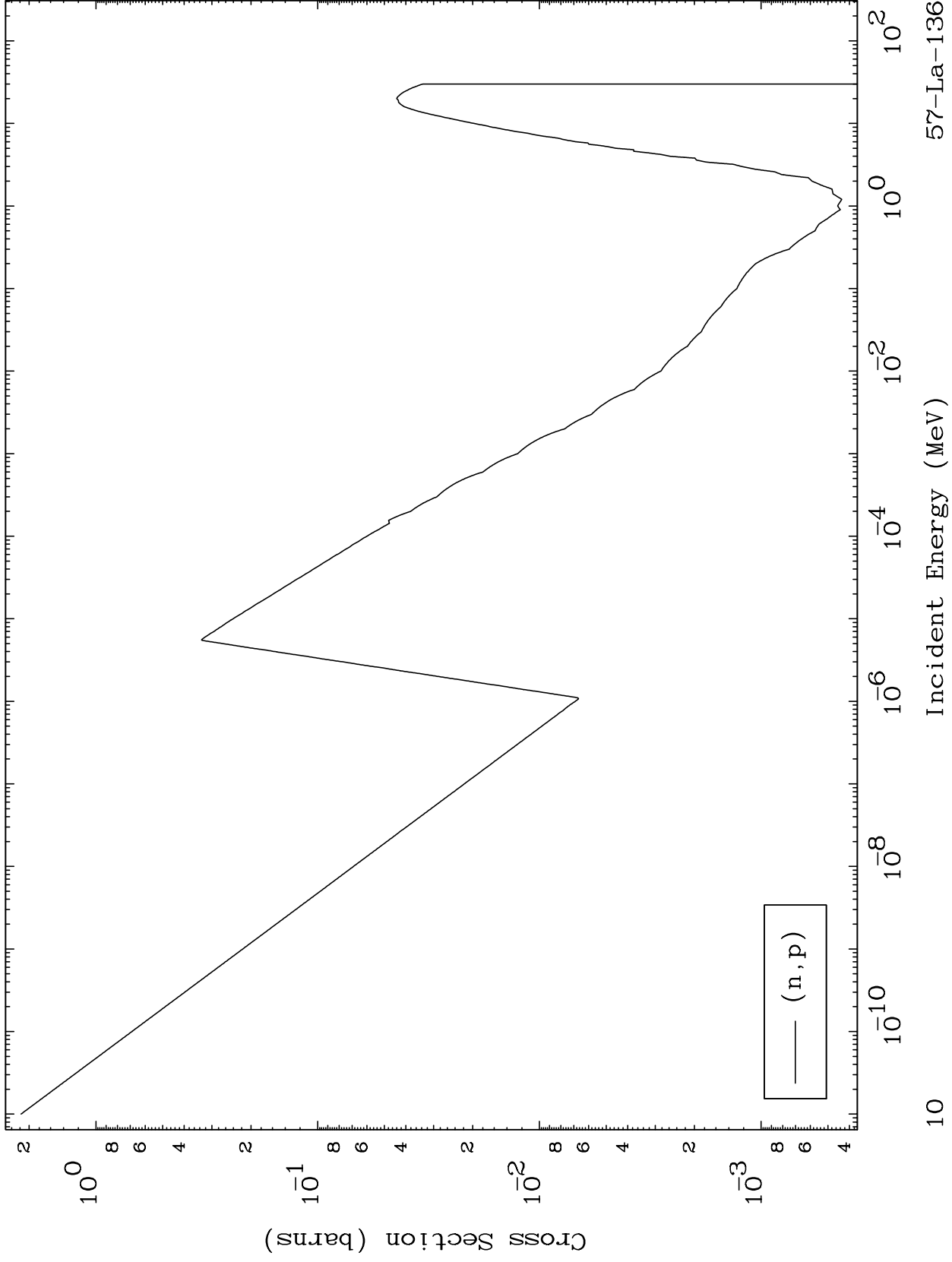




MAT 5719

(n,p) Levels
293 Kelvin Cross Sections

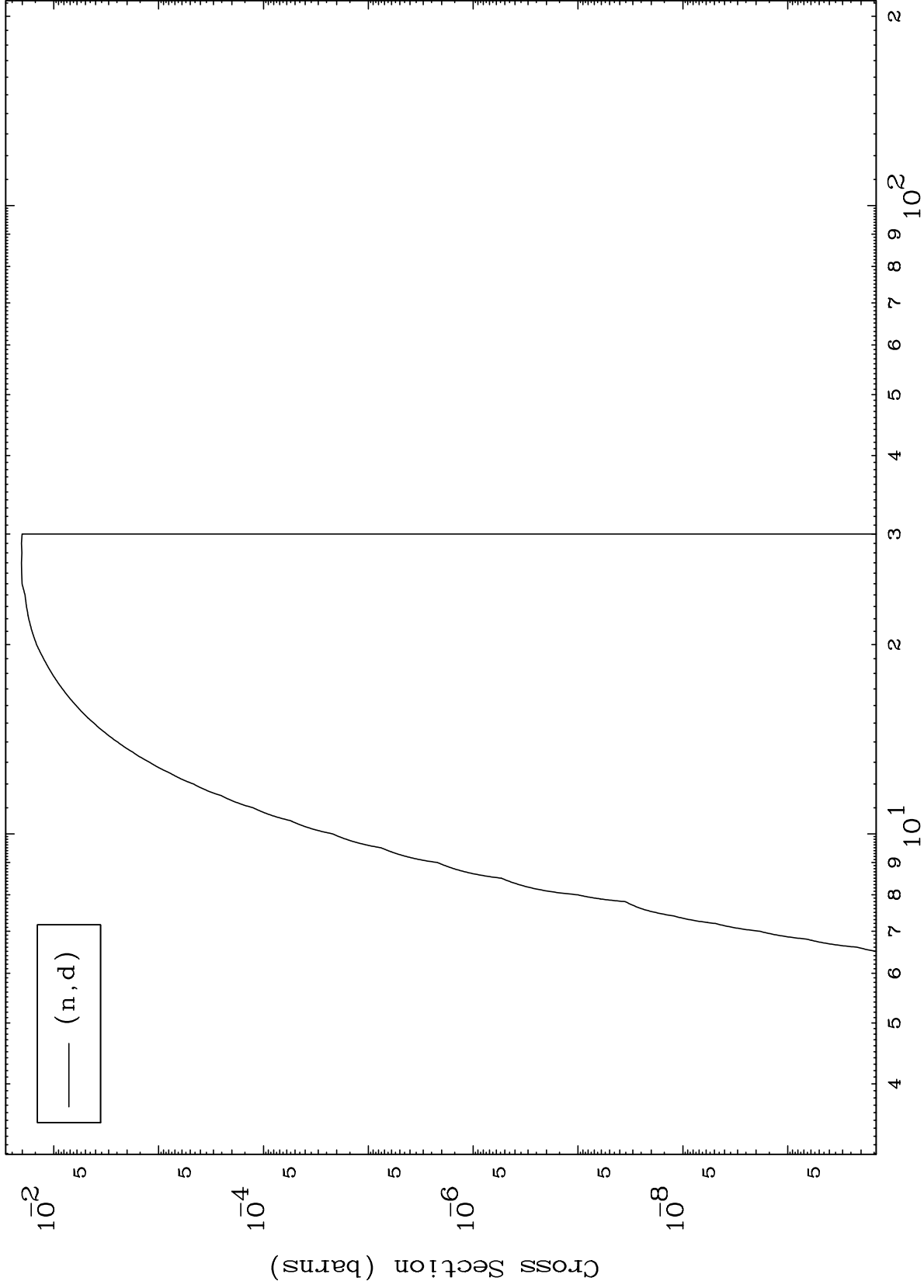
57-La-136



MAT 5719

(n,d) Levels
293 Kelvin Cross Sections

57-La-136



11

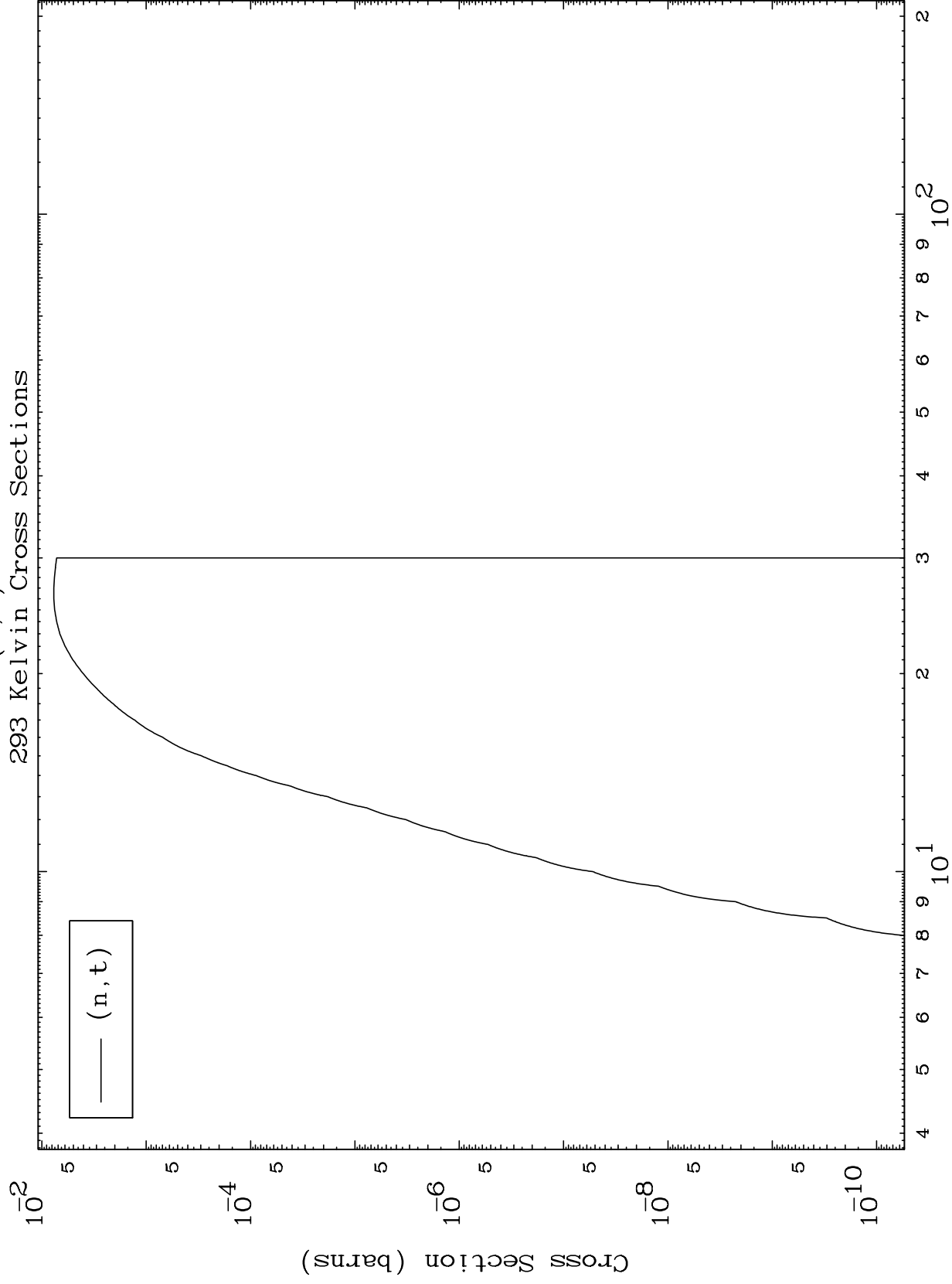
Incident Energy (MeV)

57-La-136

MAT 5719

(n,t) Levels
293 Kelvin Cross Sections

57-La-136



12

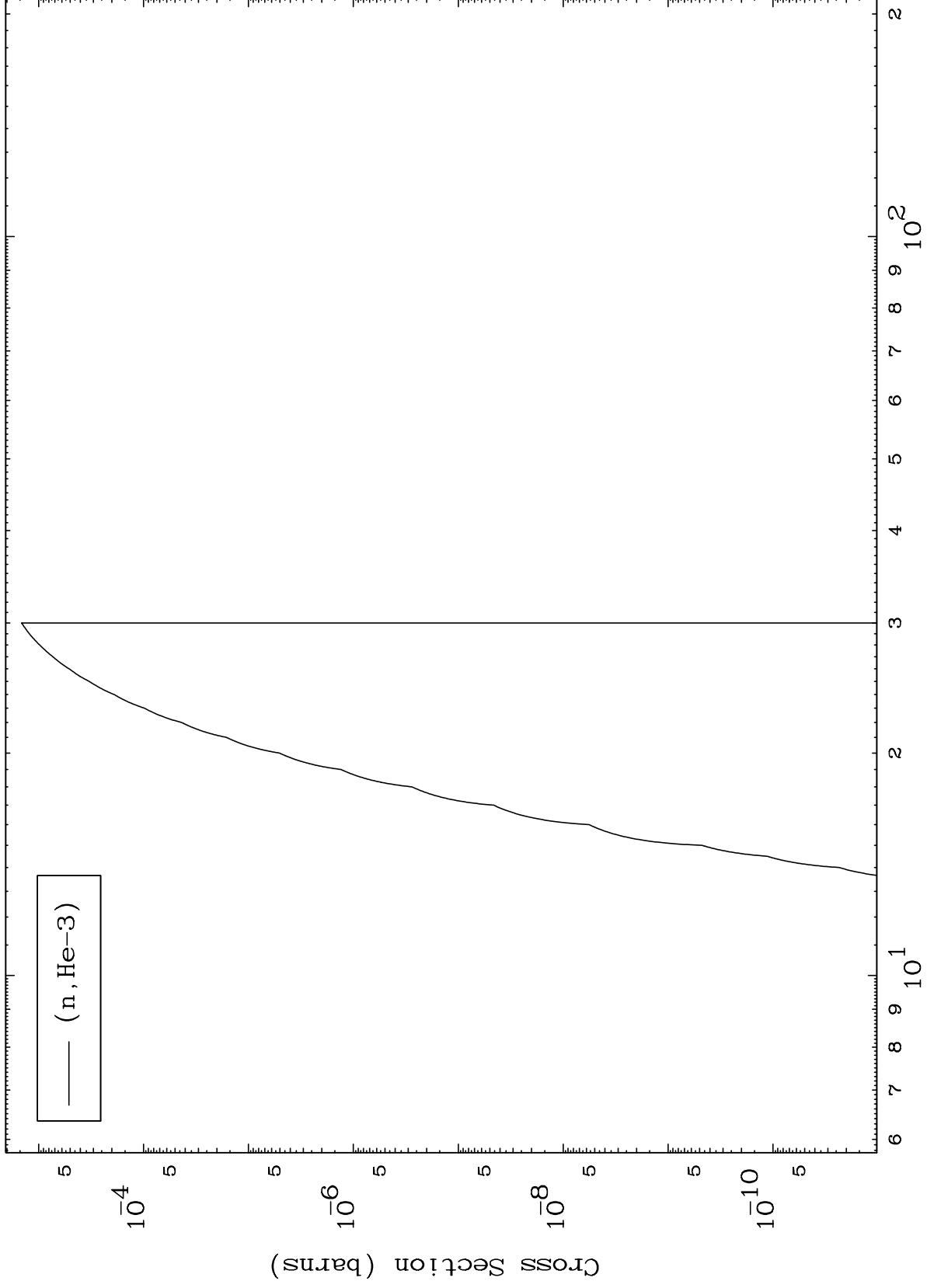
Incident Energy (MeV)

57-La-136

MAT 5719

(n,He3) Levels
293 Kelvin Cross Sections

57-La-136



13

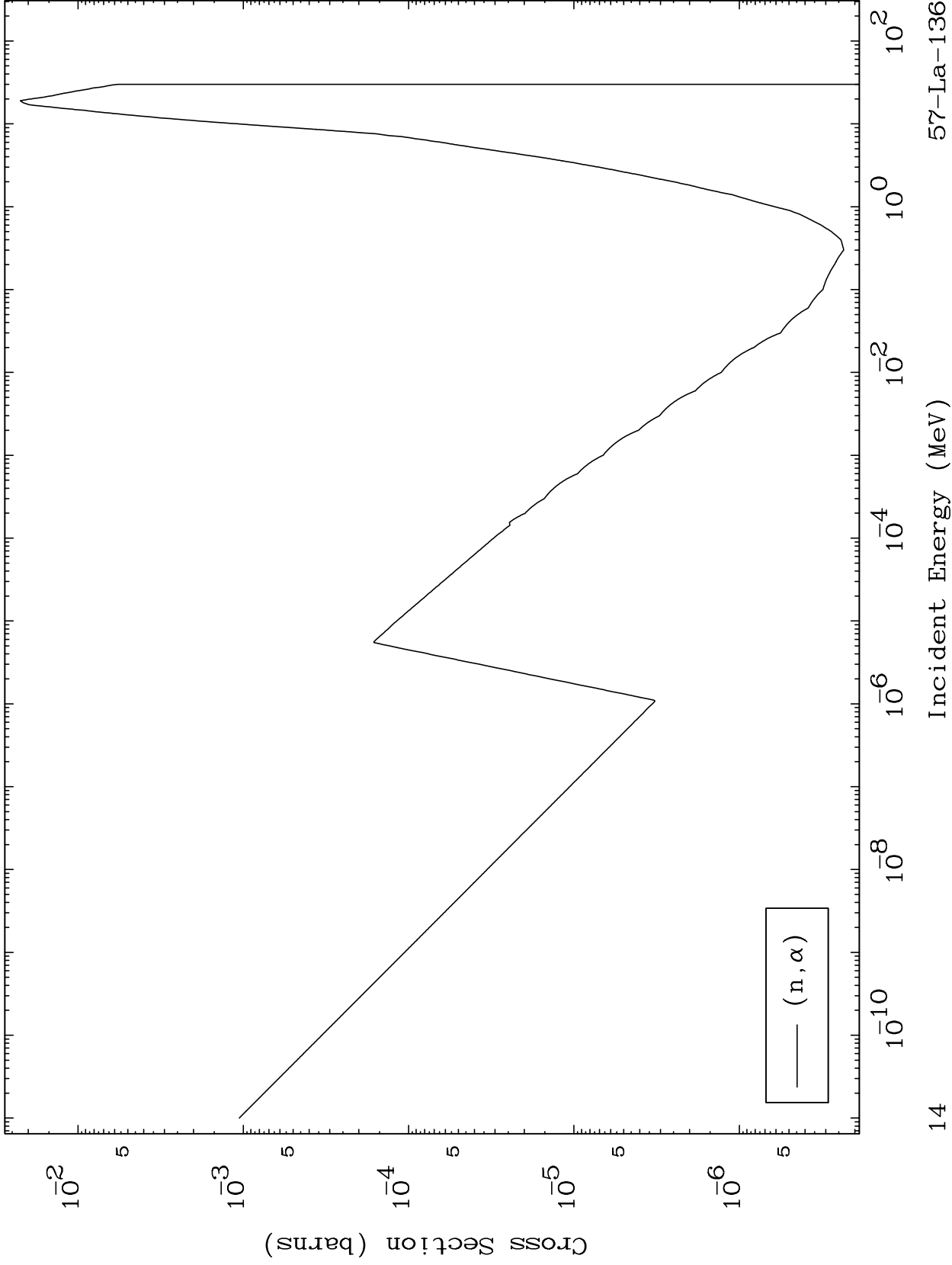
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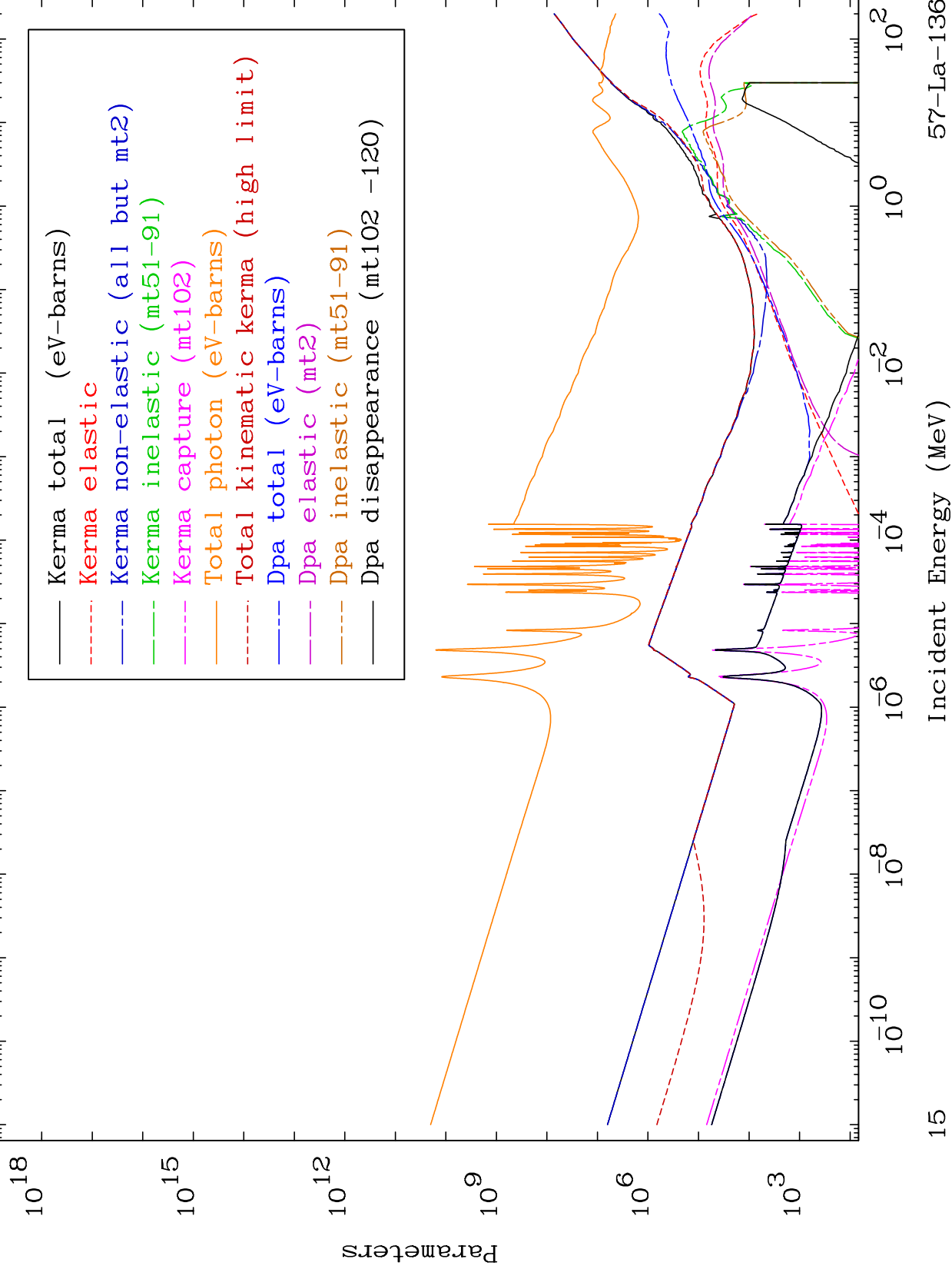
57-La-136

MAT 5719

(n, α) Levels
293 Kelvin Cross Sections

57-La-136

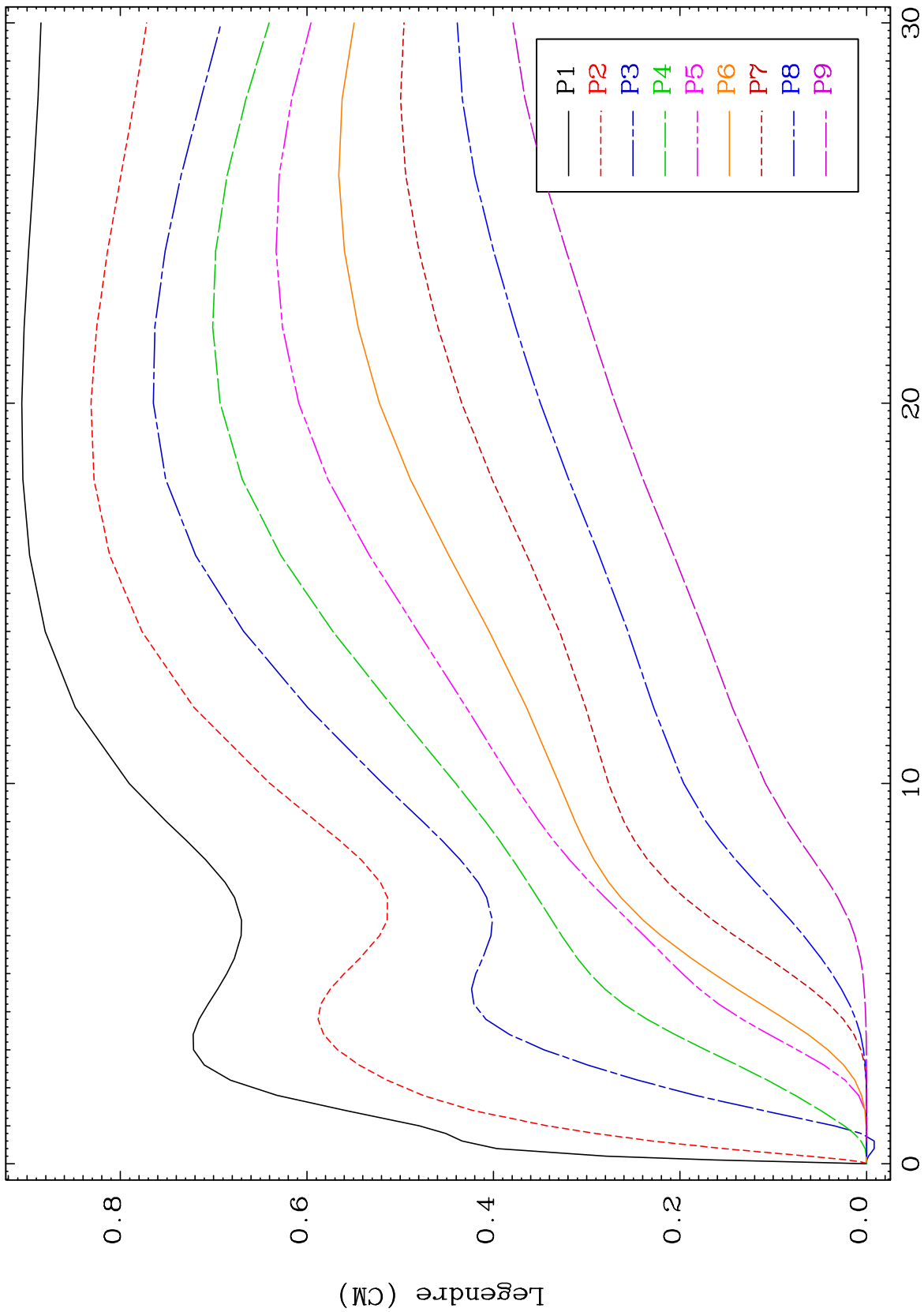




MAT 5719

57-La-136

Elastic Legendre Coefficients



16

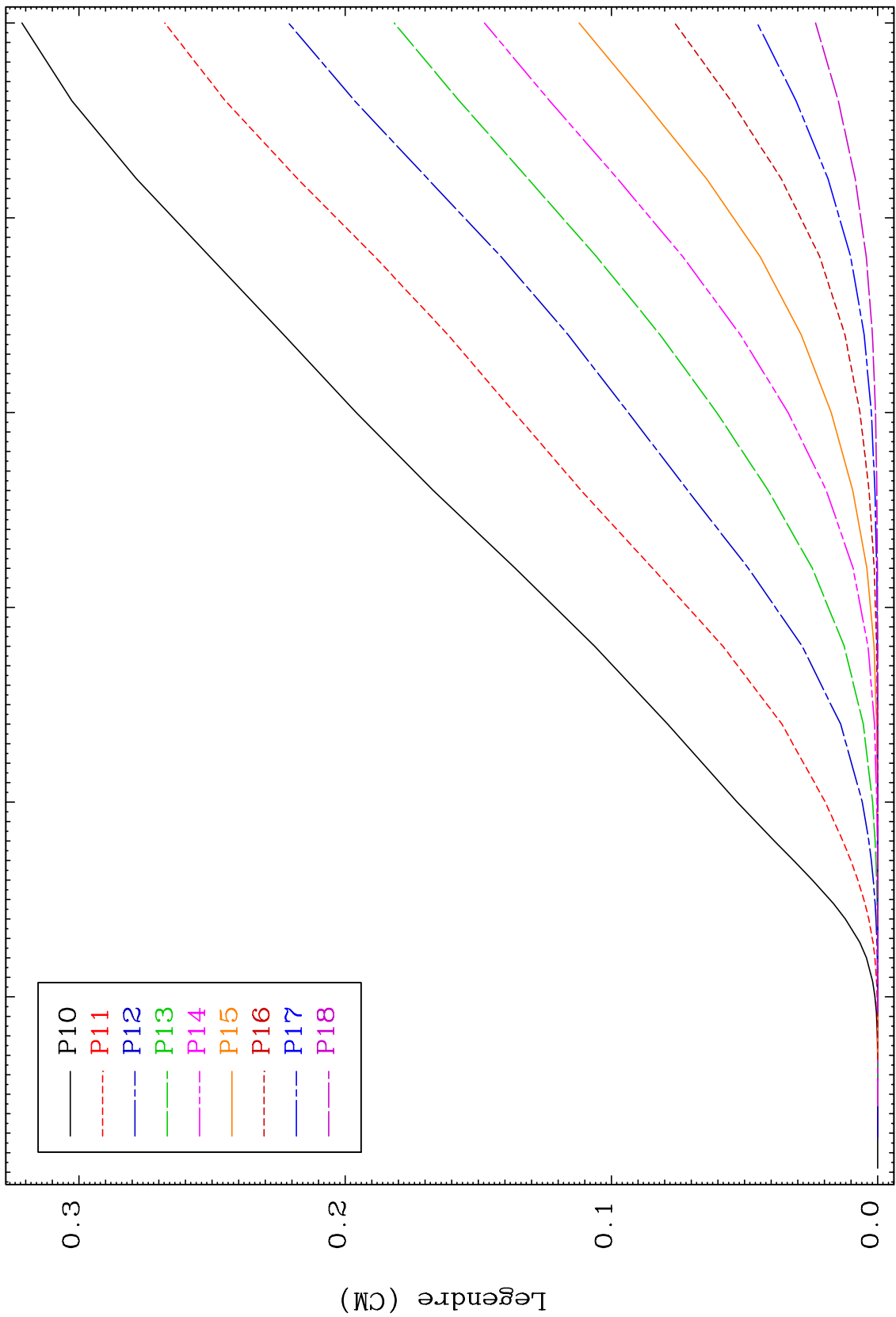
Incident Energy (MeV)

57-La-136

MAT 5719

Elastic Legendre Coefficients

57-La-136



17

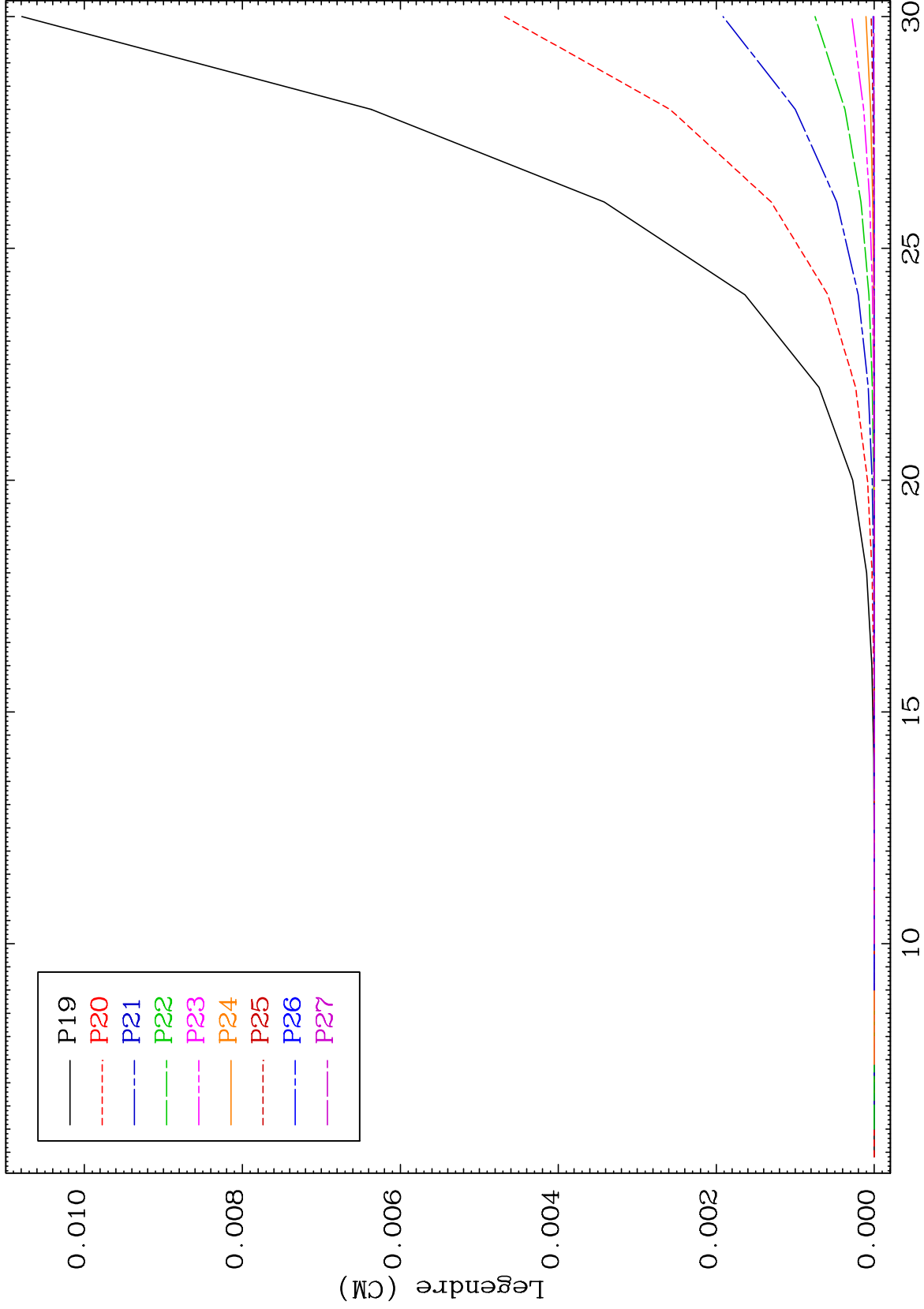
Incident Energy (MeV)

57-La-136

MAT 5719

Elastic Legendre Coefficients

57-La-136



18

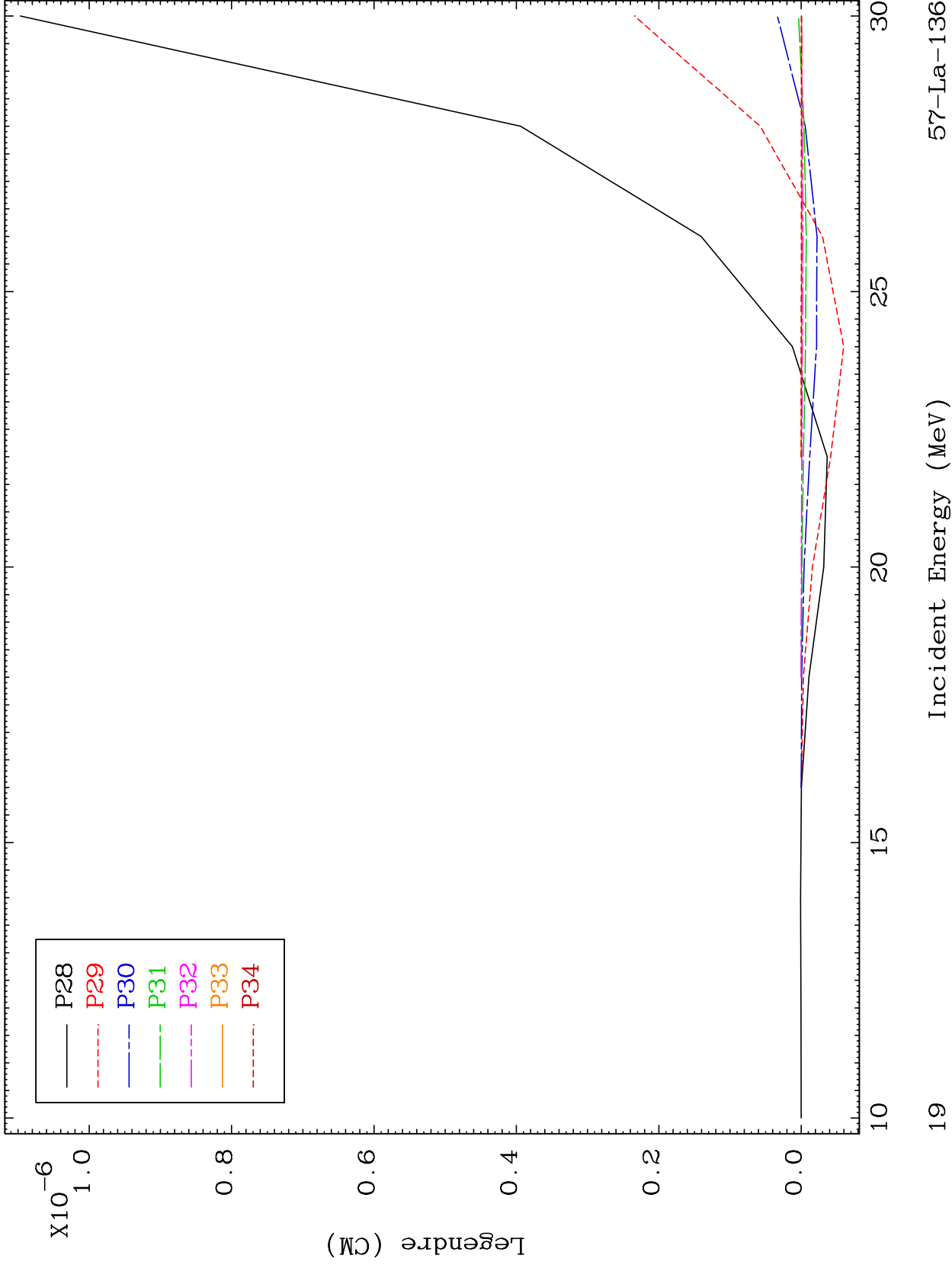
Incident Energy (MeV)

57-La-136

MAT 5719

Elastic Legendre Coefficients

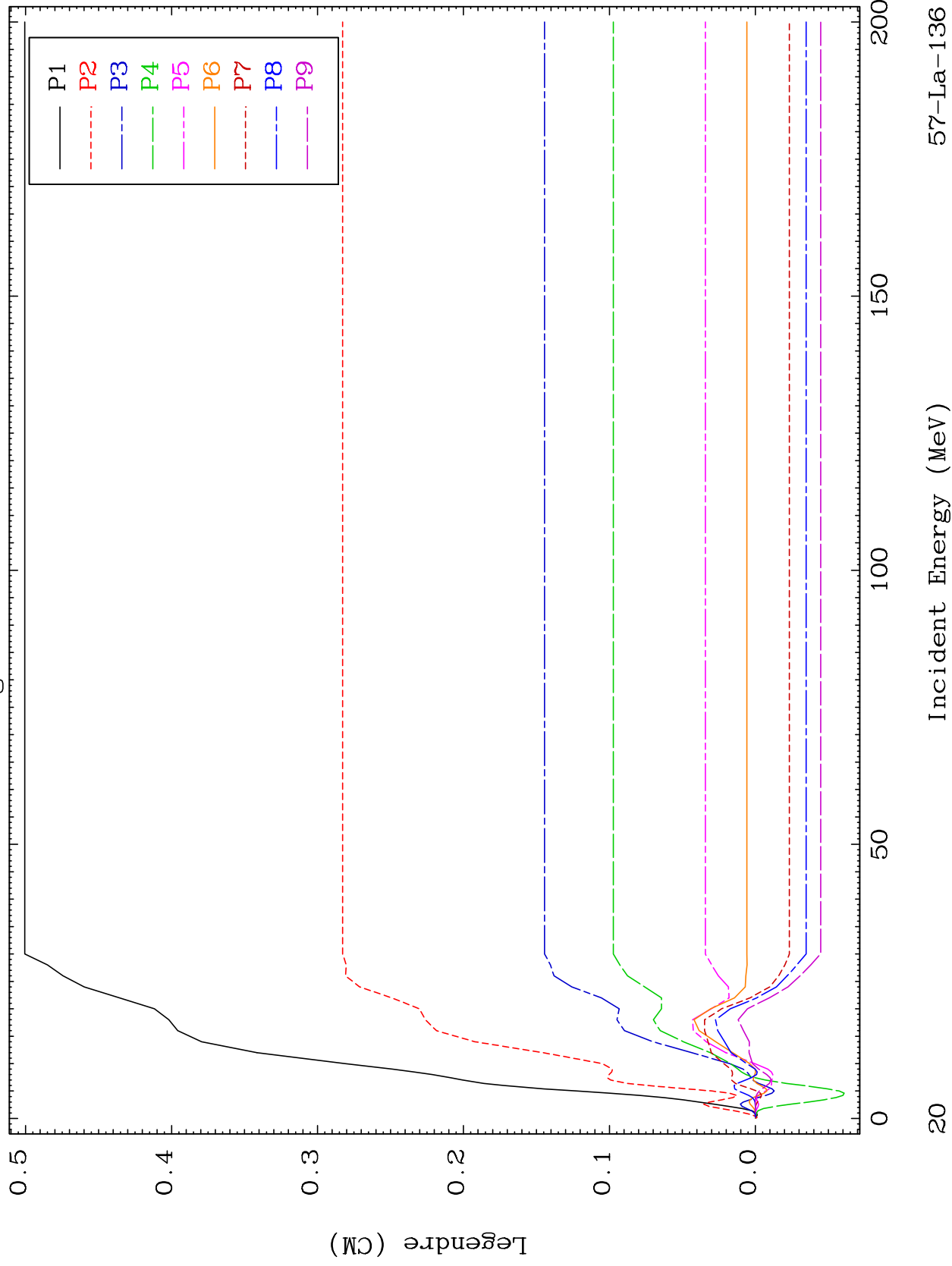
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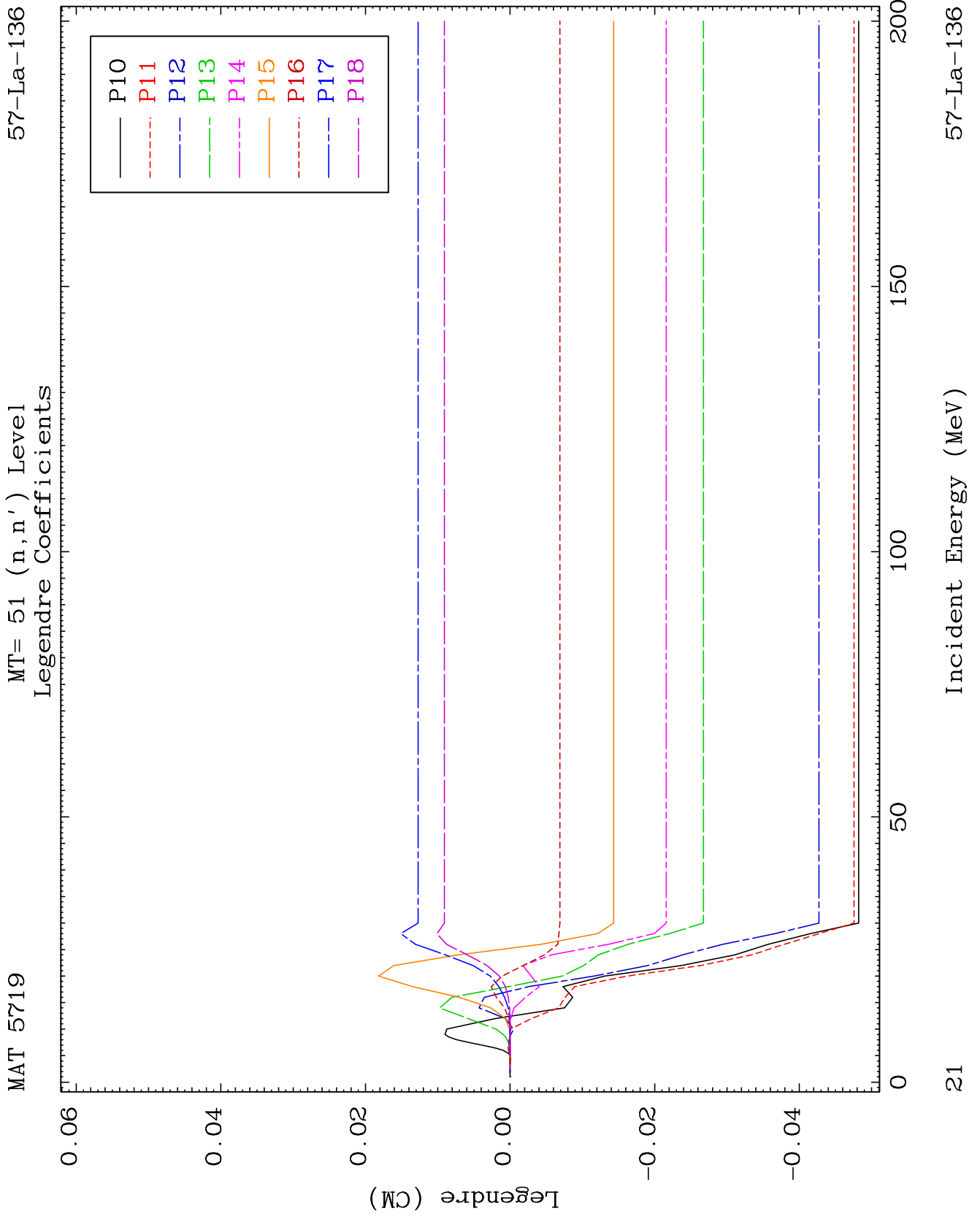


MAT 5719

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

57-La-136

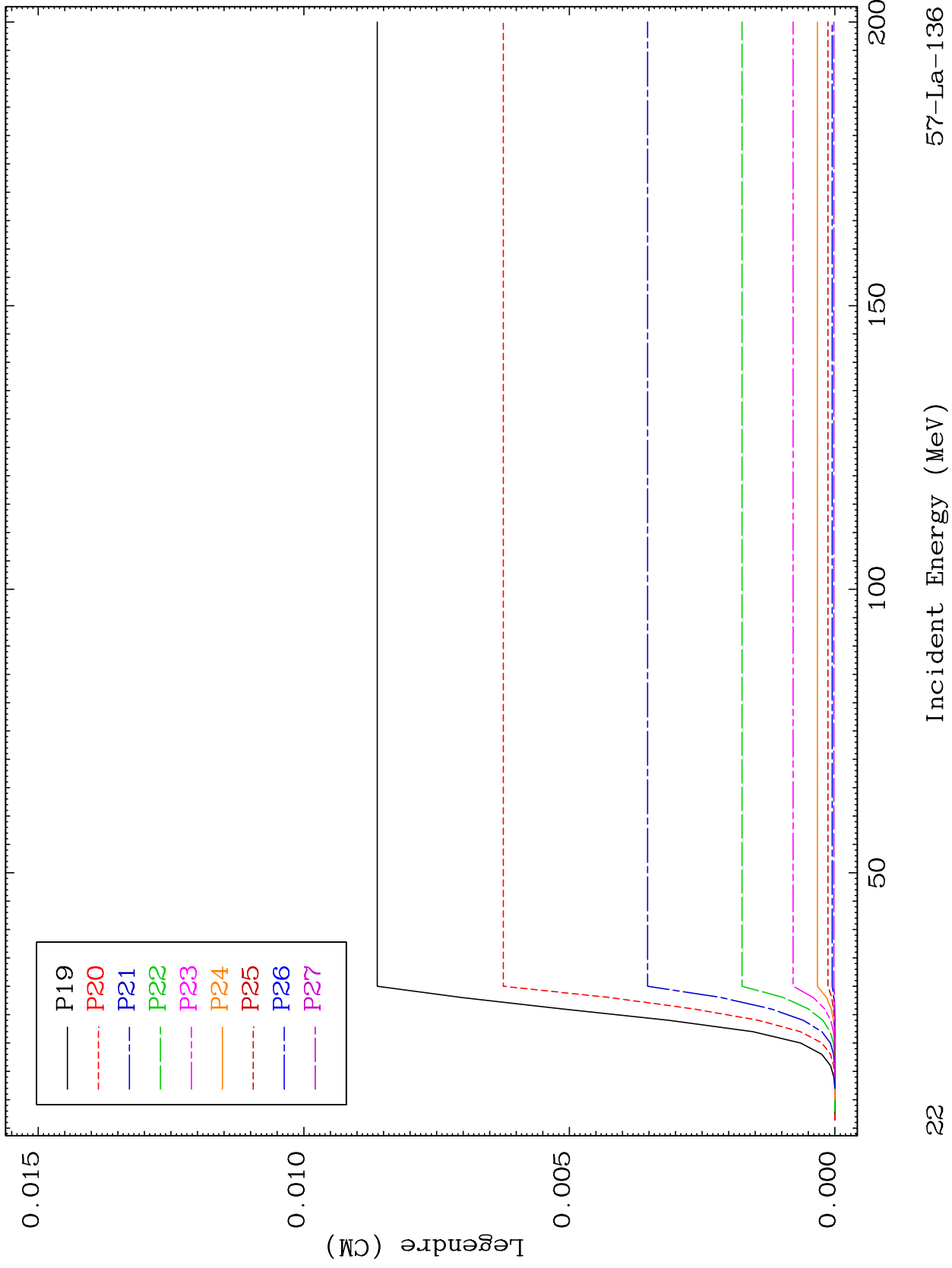




MAT 5719

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

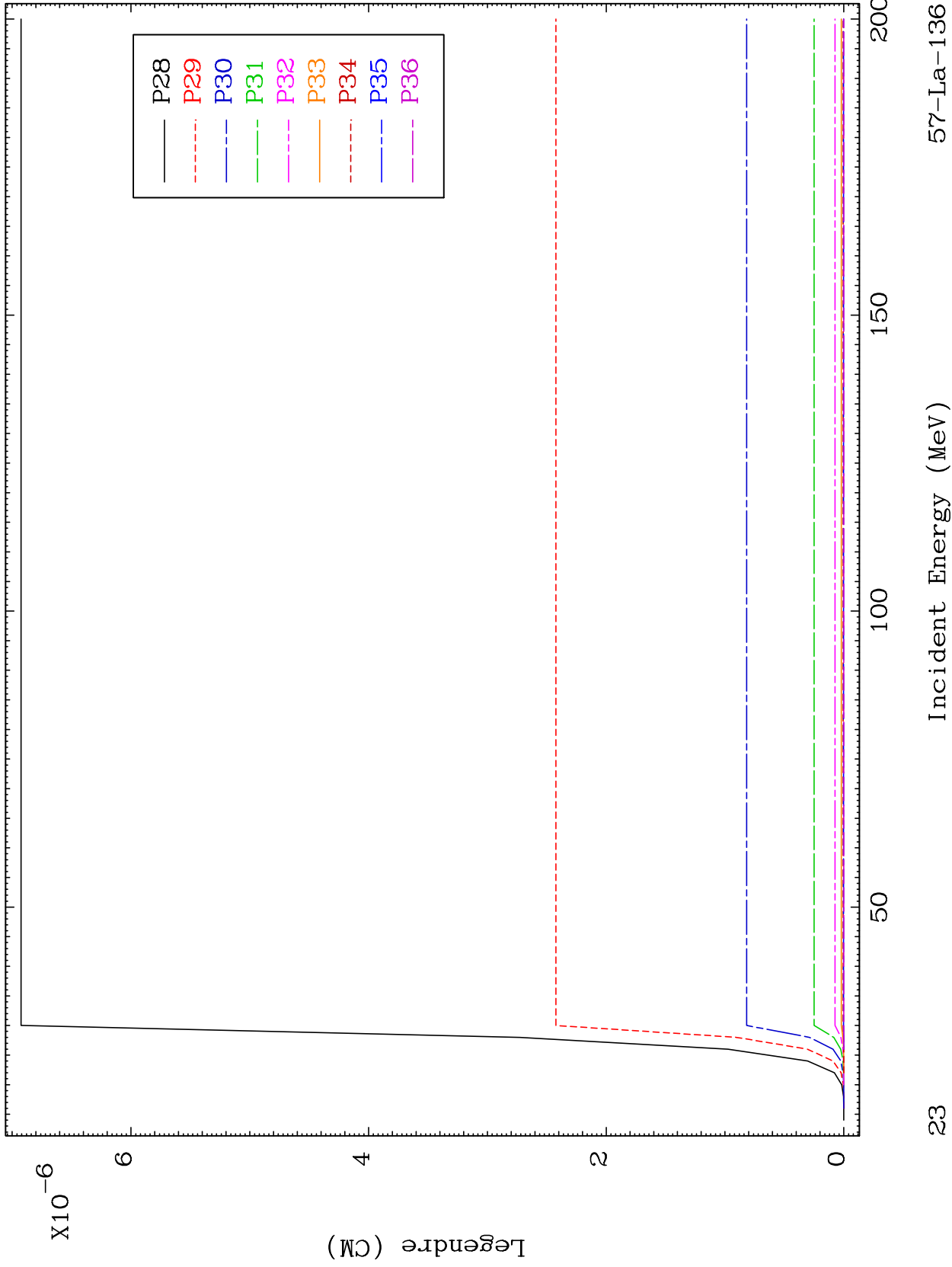
57-La-136



MAT 5719

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

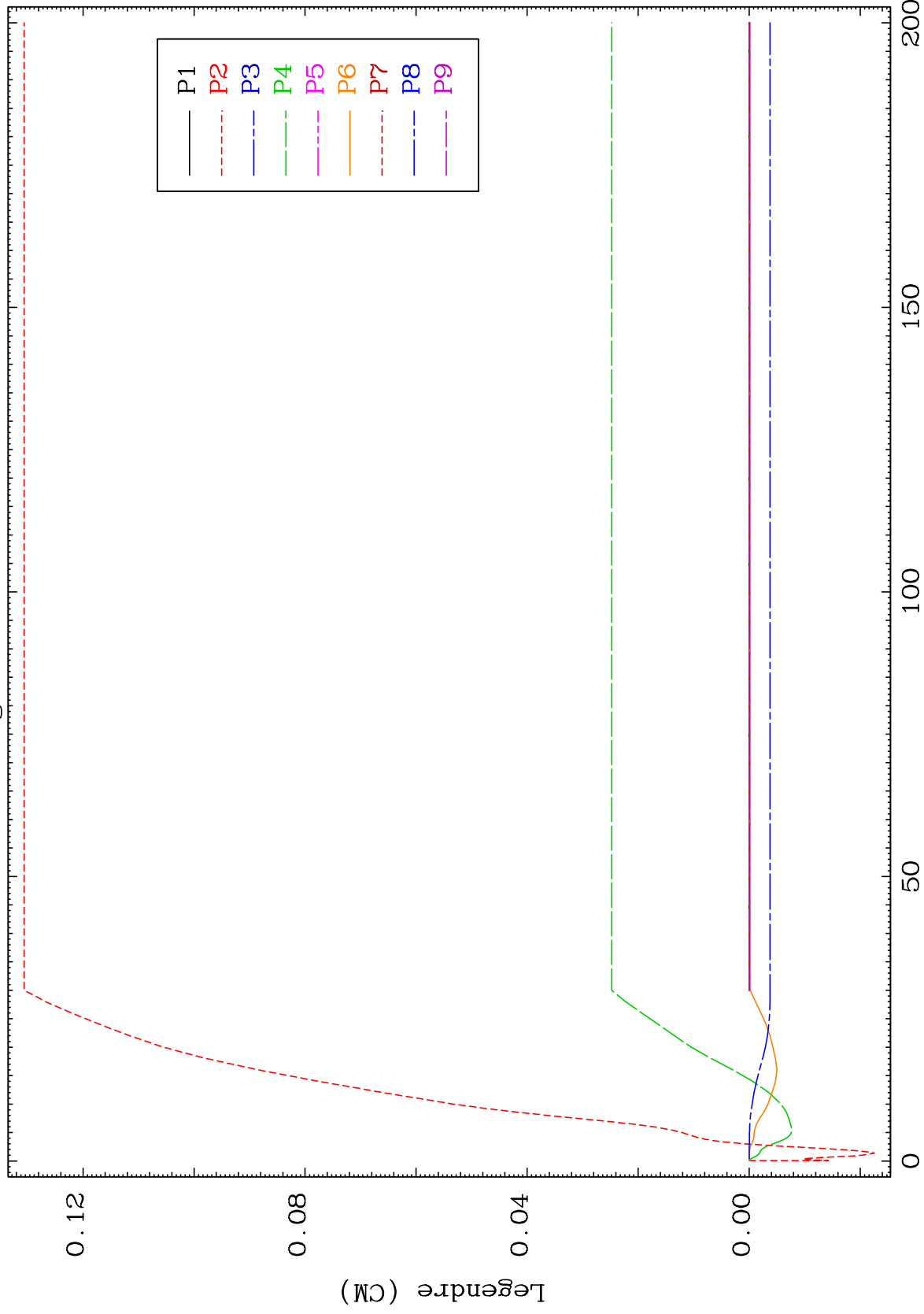
57-La-136



MAT 5719

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

57-La-136



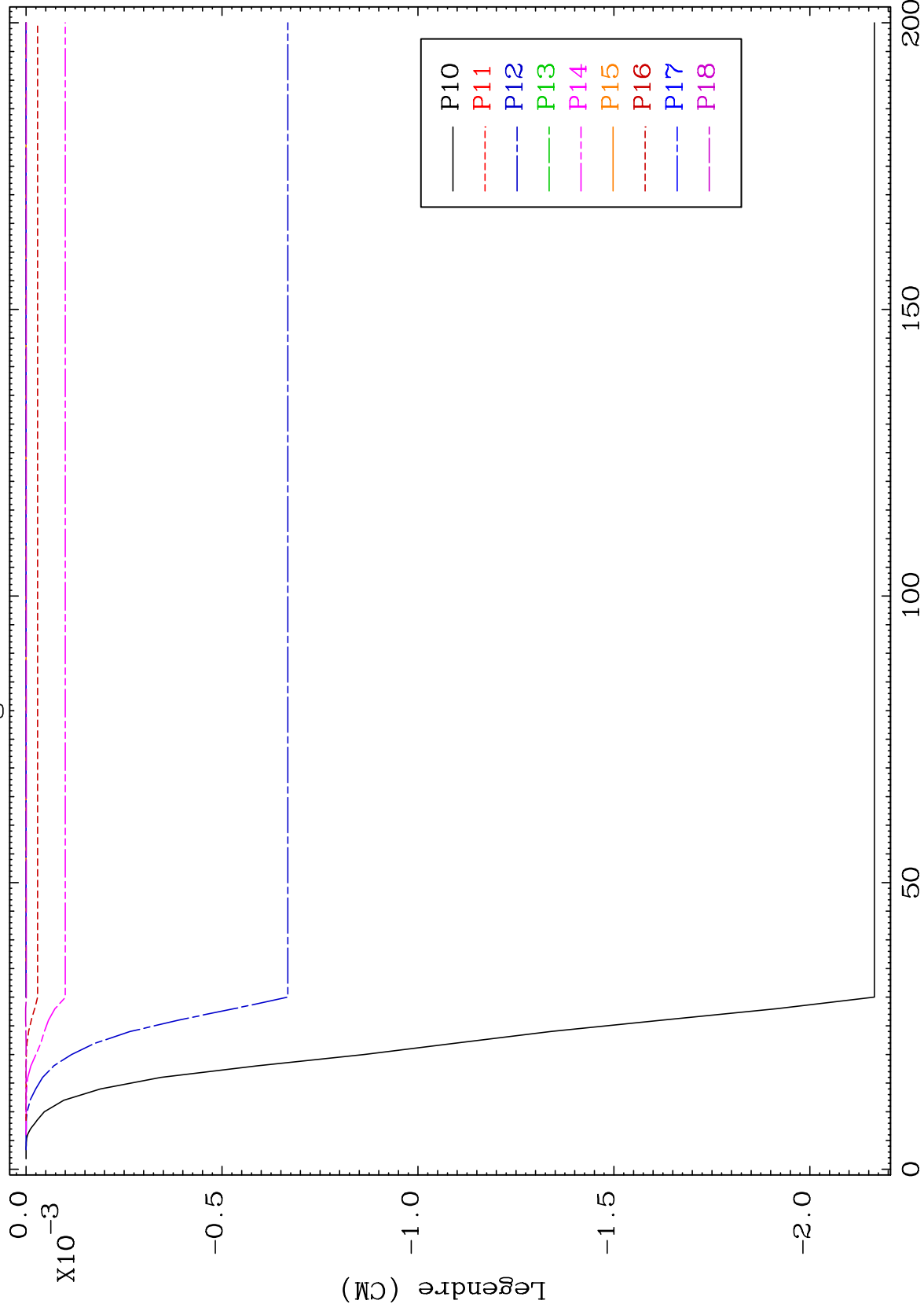
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57-La-136

MAT 5719

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

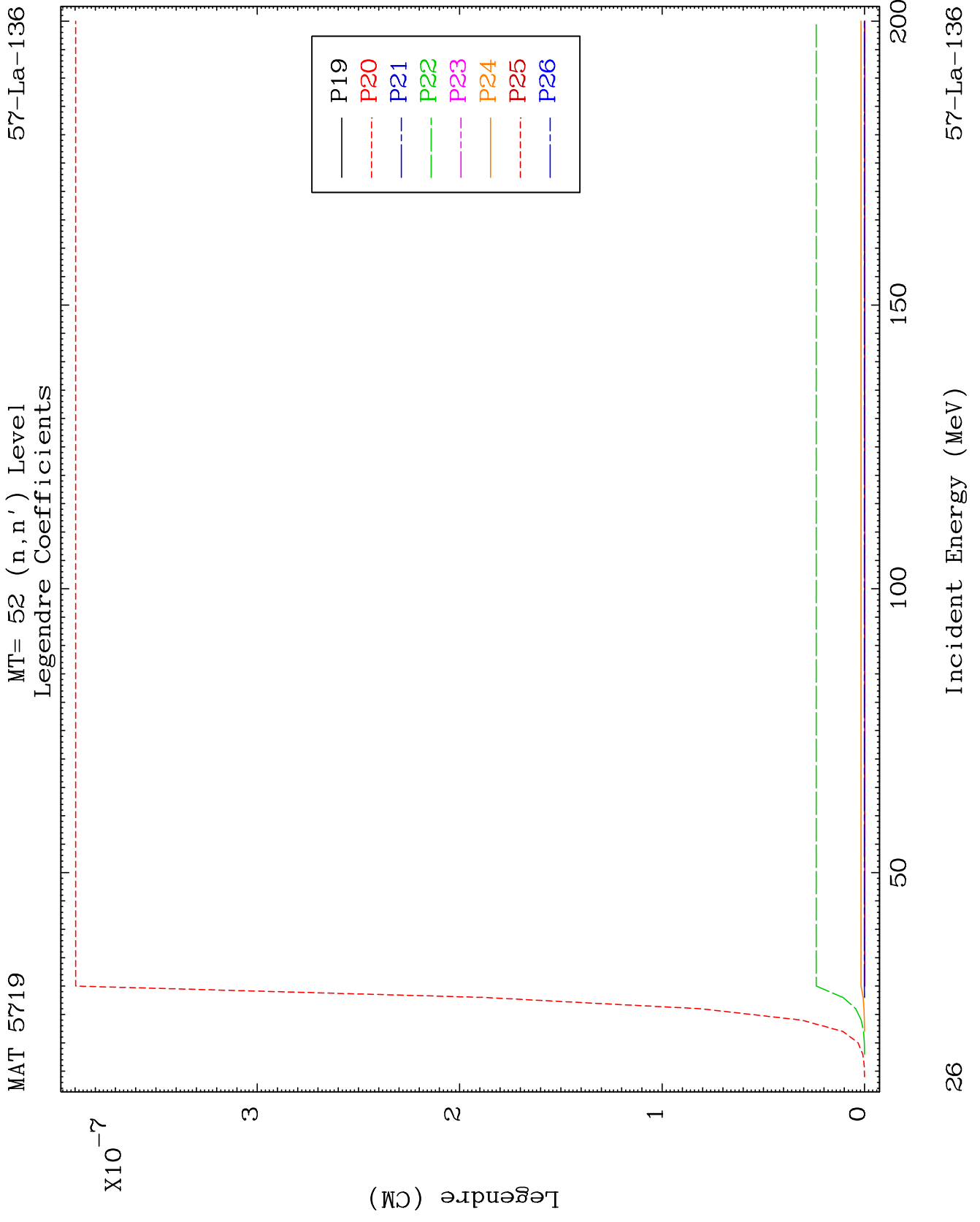
57-La-136



25

Incident Energy (MeV)

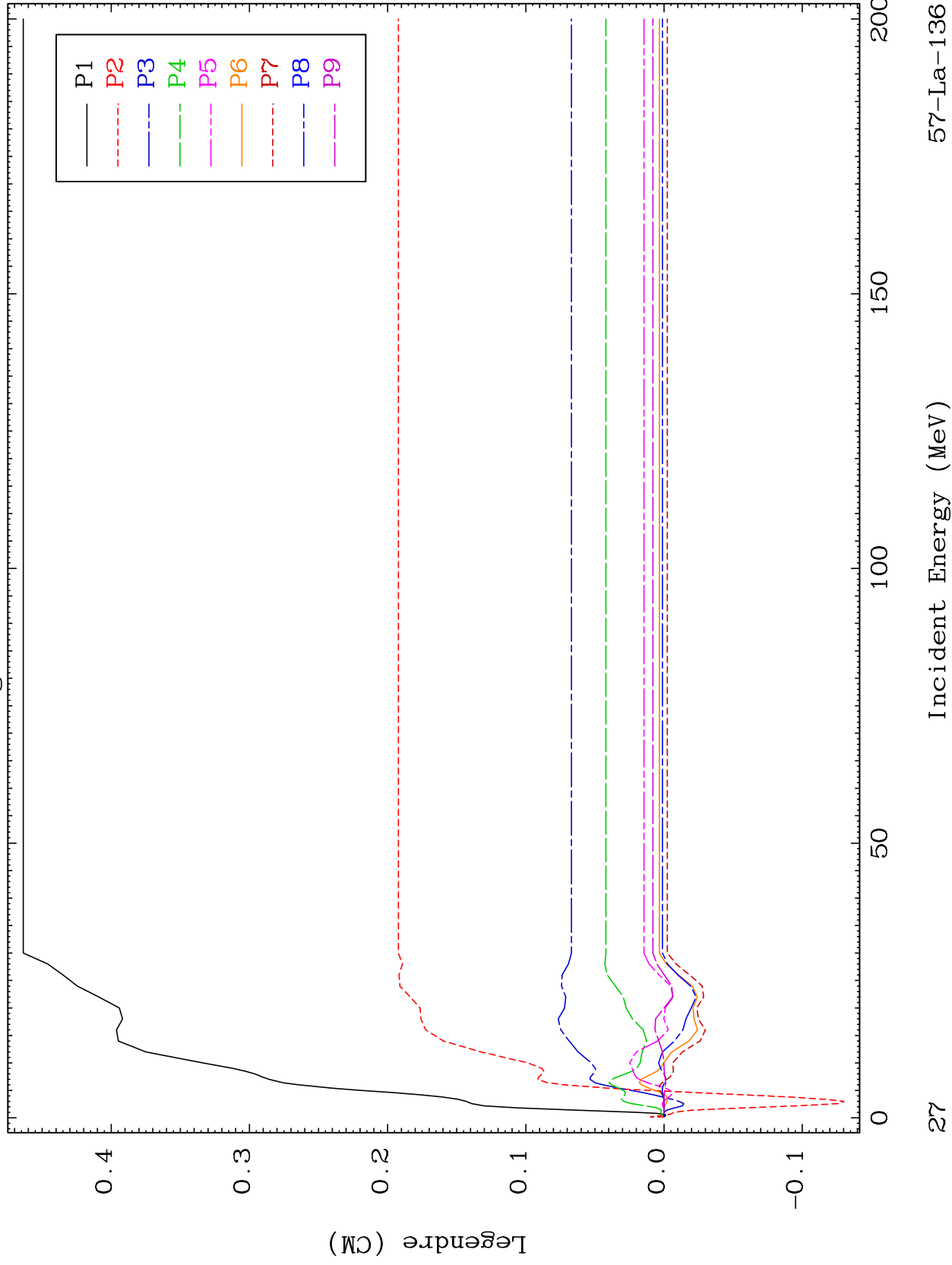
57-La-136



MAT 5719

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

57-La-136



57-La-136

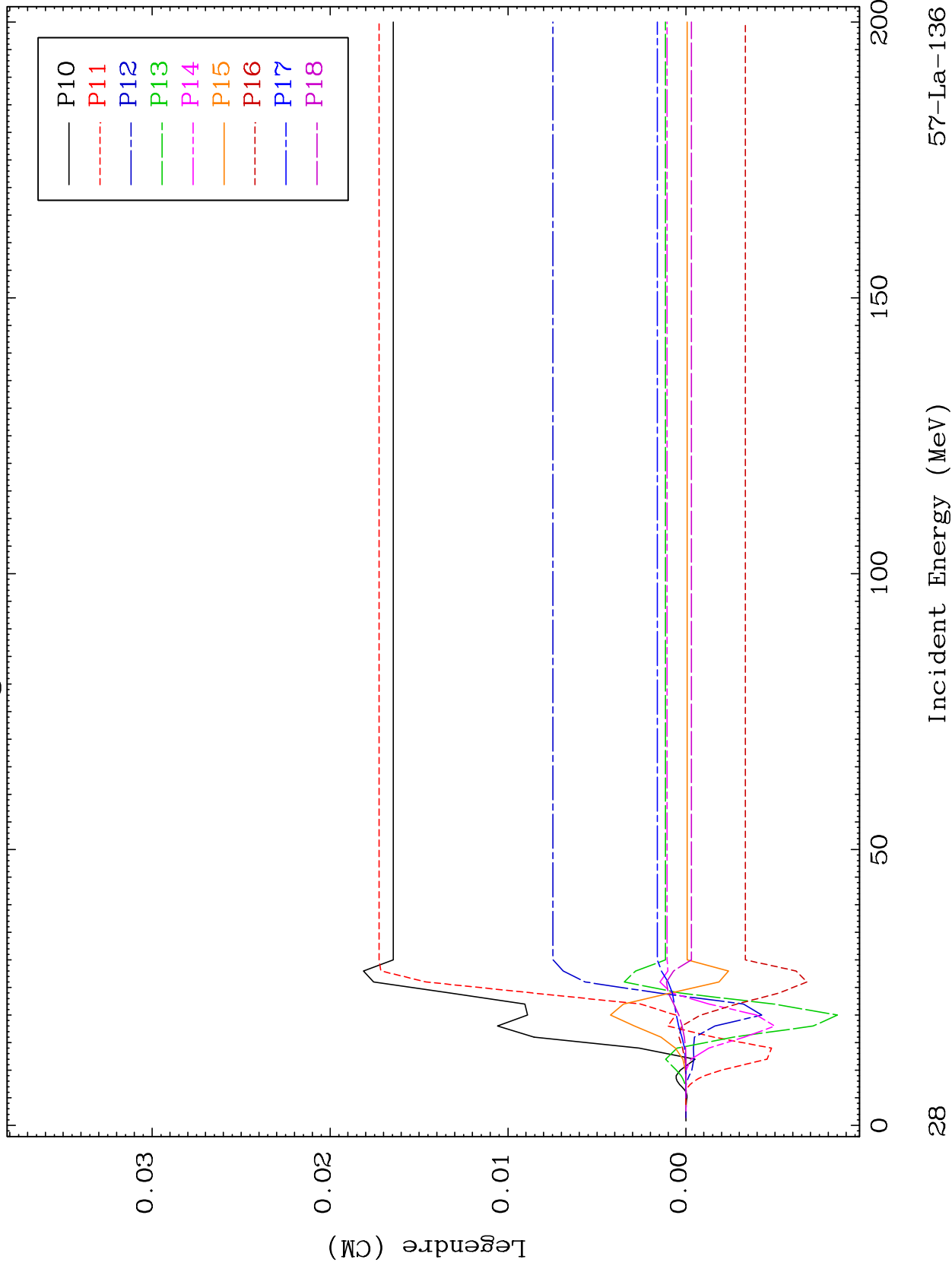
Incident Energy (MeV)

27

MAT 5719

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

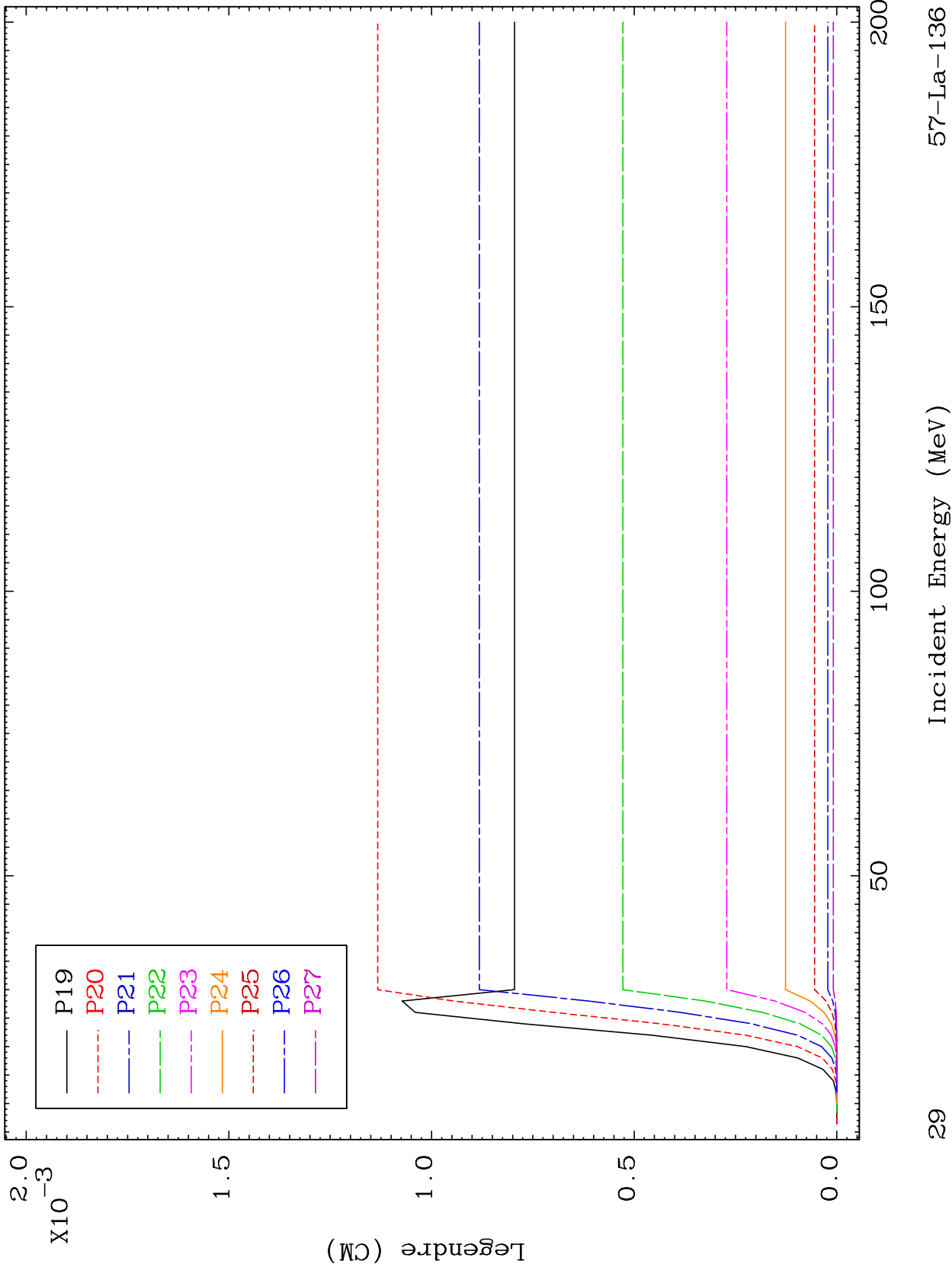
57-La-136



57-La-136

Incident Energy (MeV)

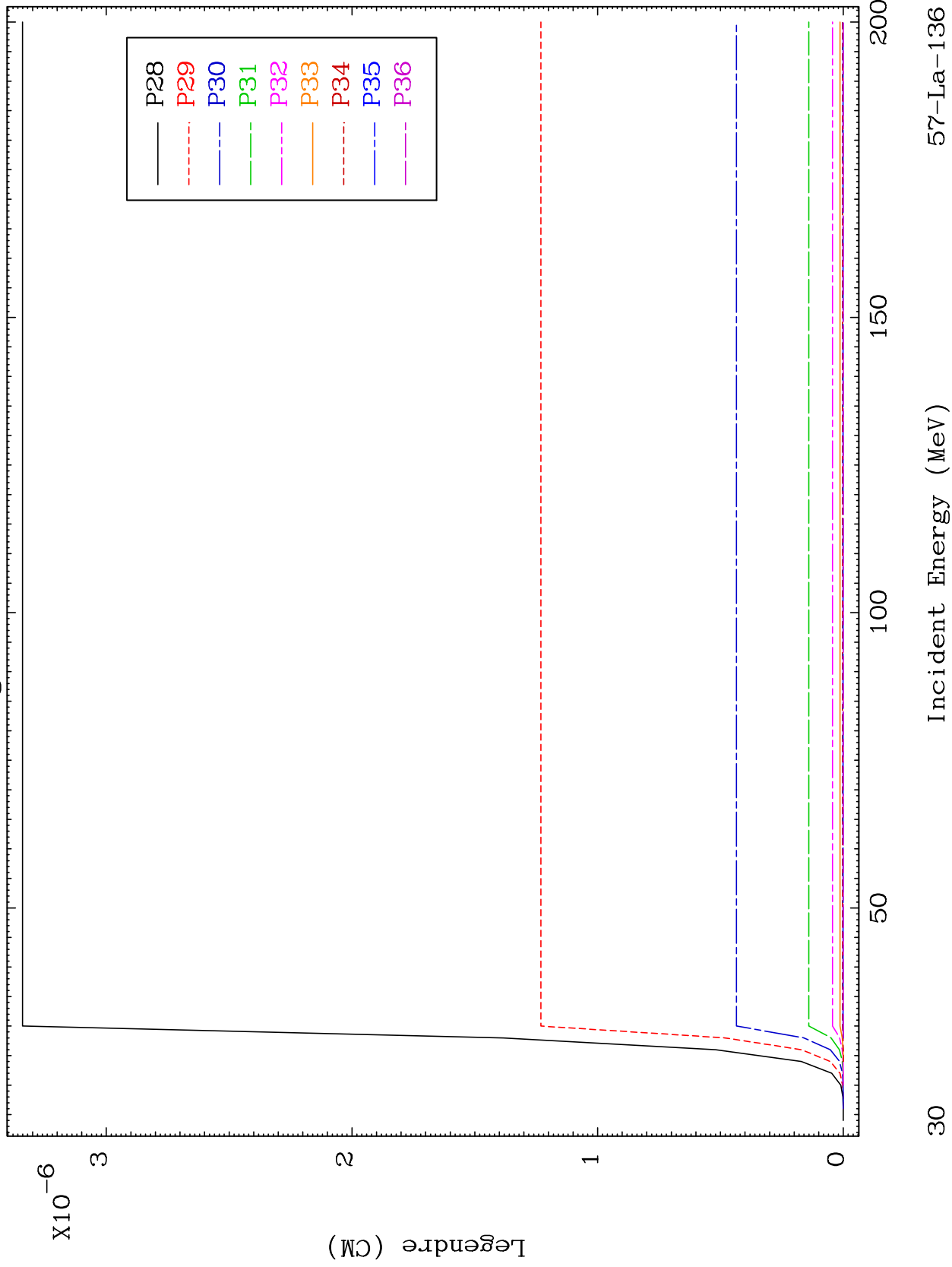
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MAT 5719

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

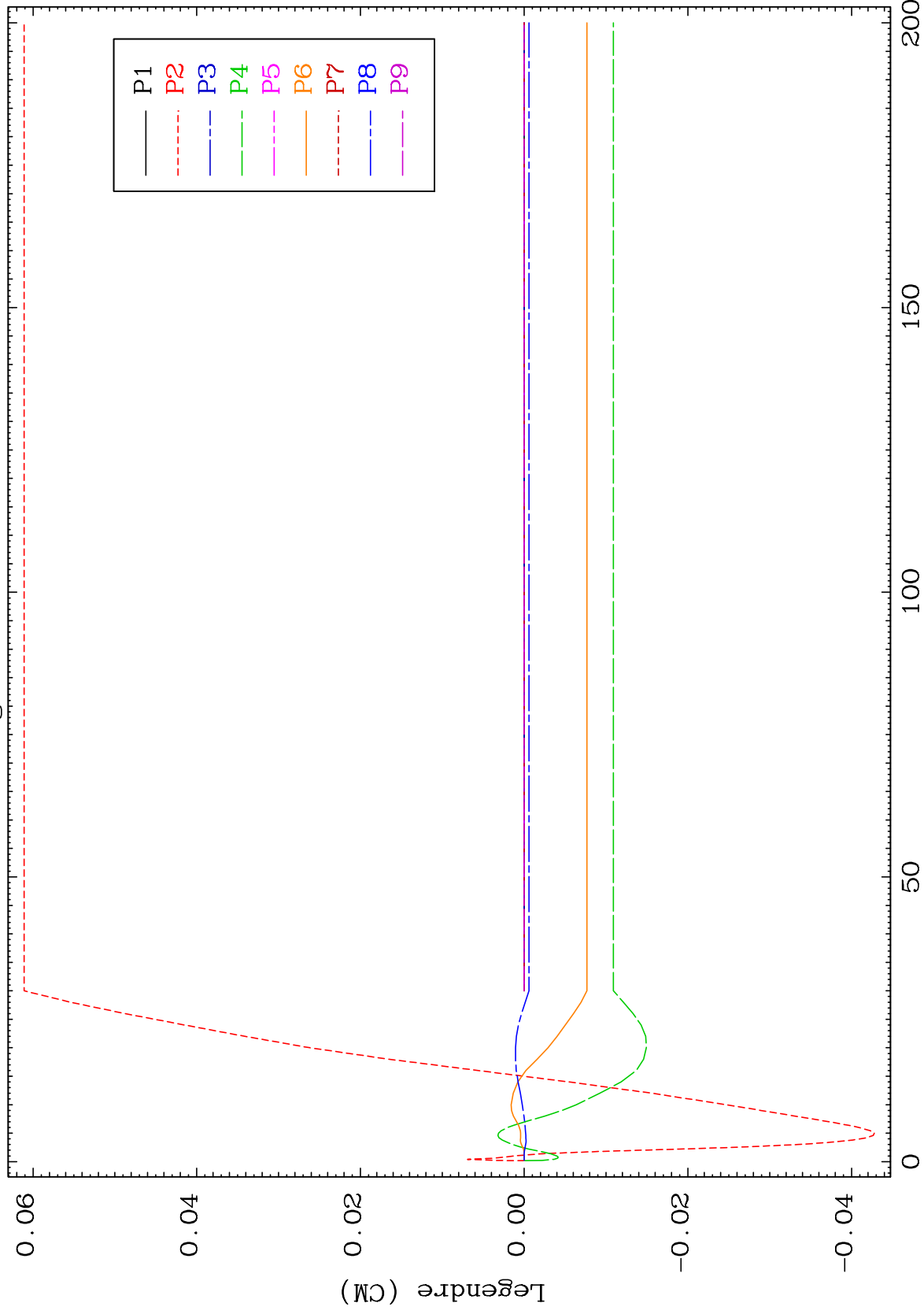
57-La-136



MAT 5719

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

57-La-136



31

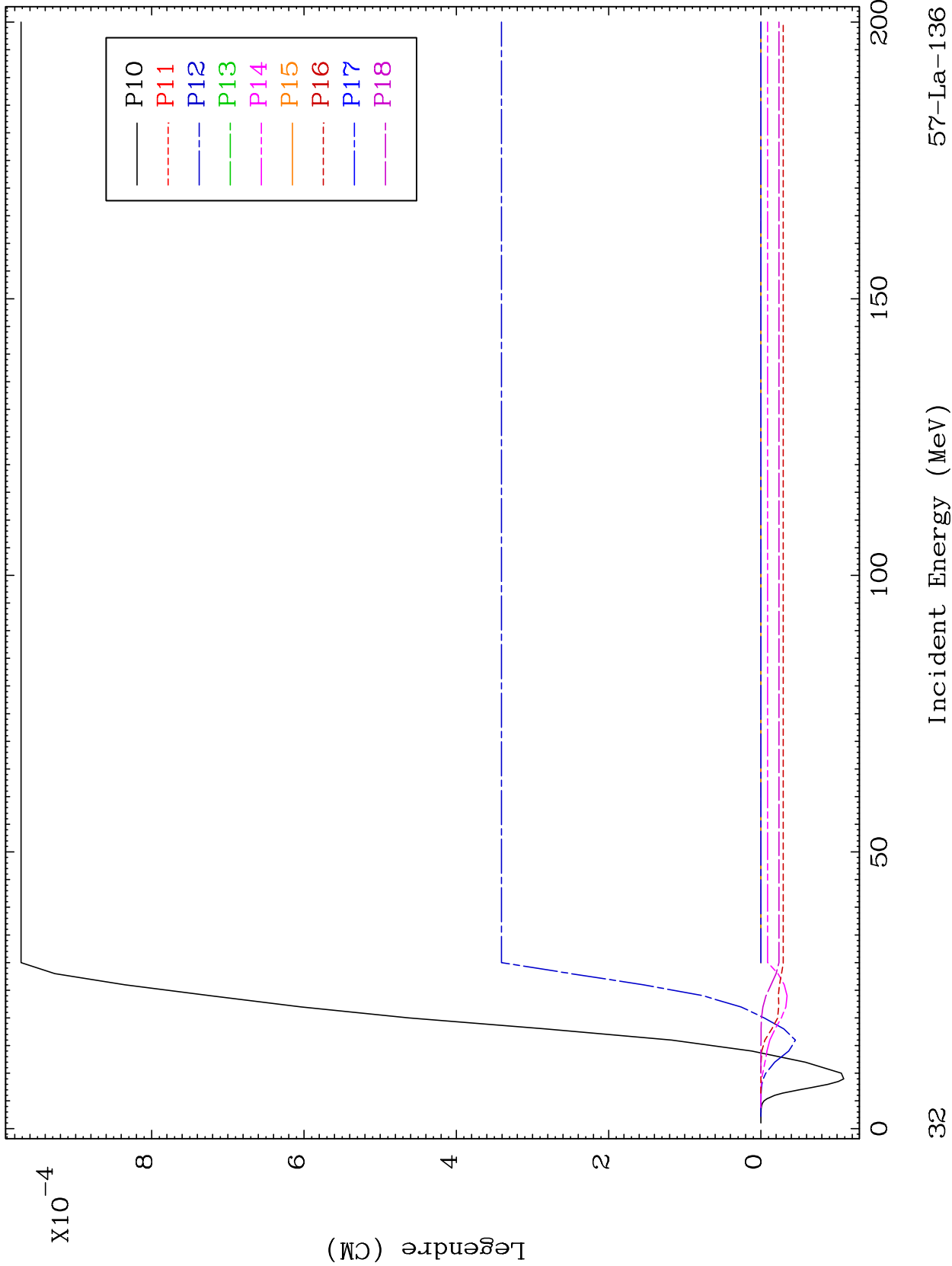
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



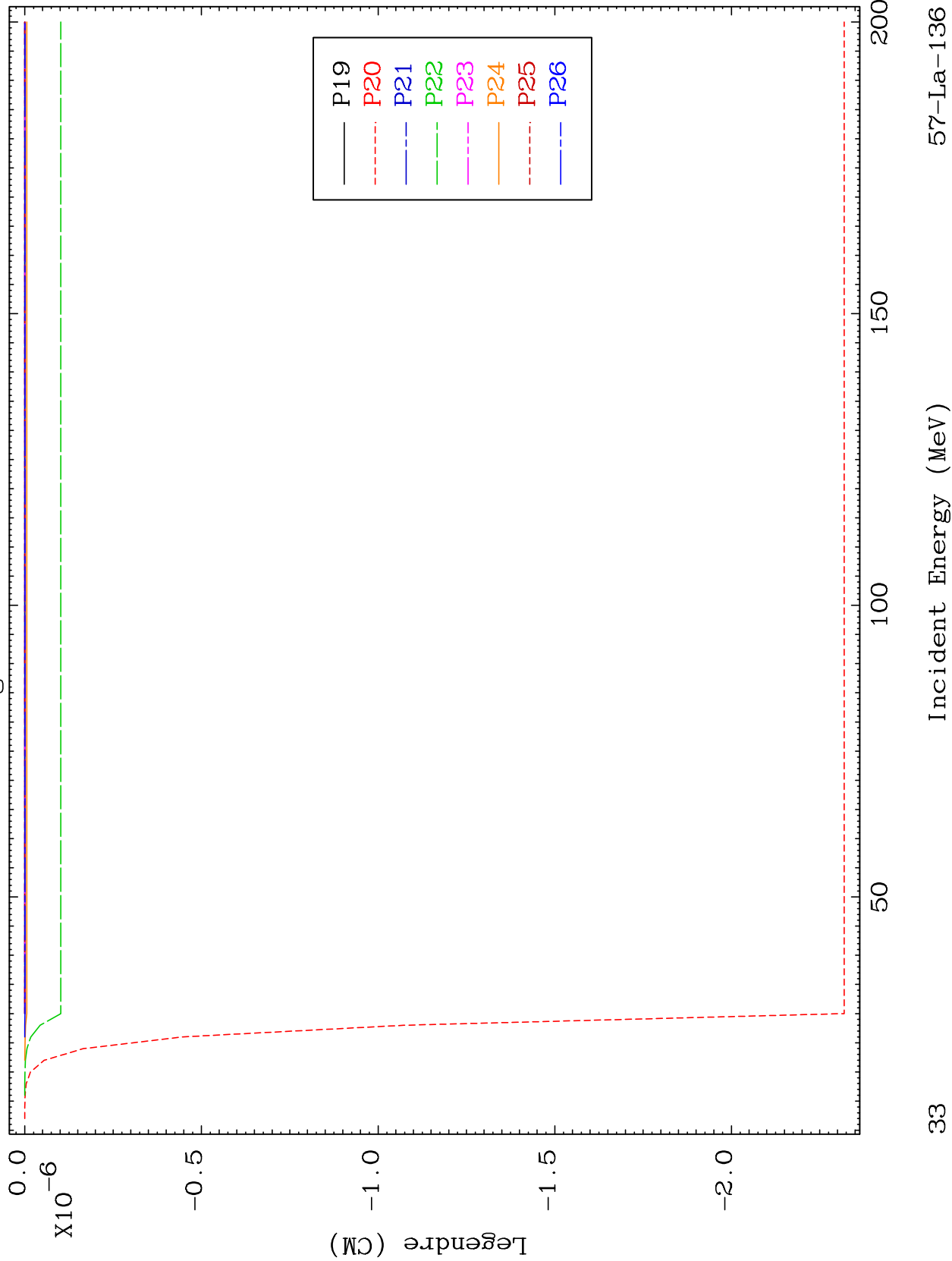
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57-La-136

MAT 5719

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

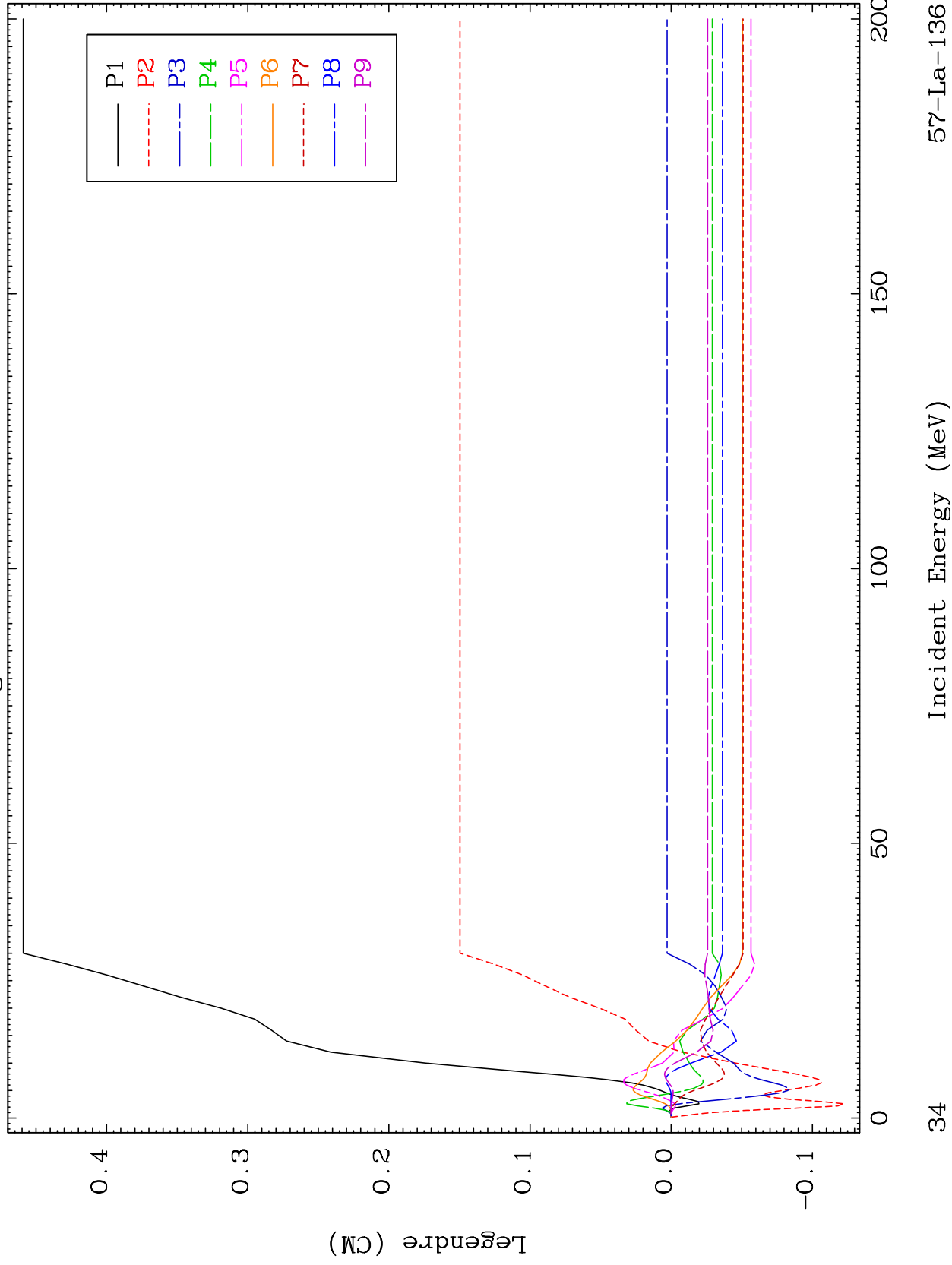
57-La-136



MAT 5719

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

57-La-136



57-La-136

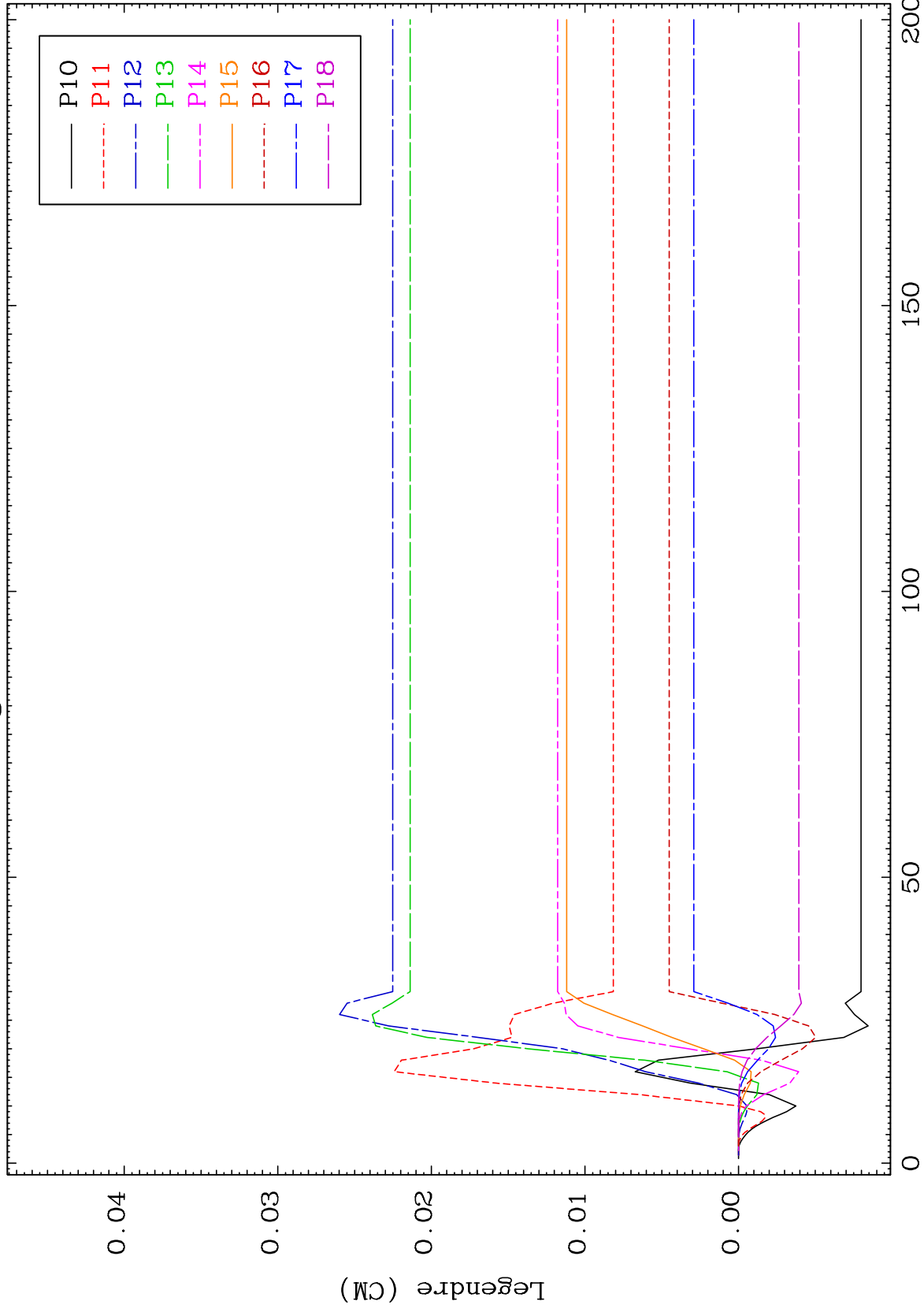
Incident Energy (MeV)

34

MAT 5719

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

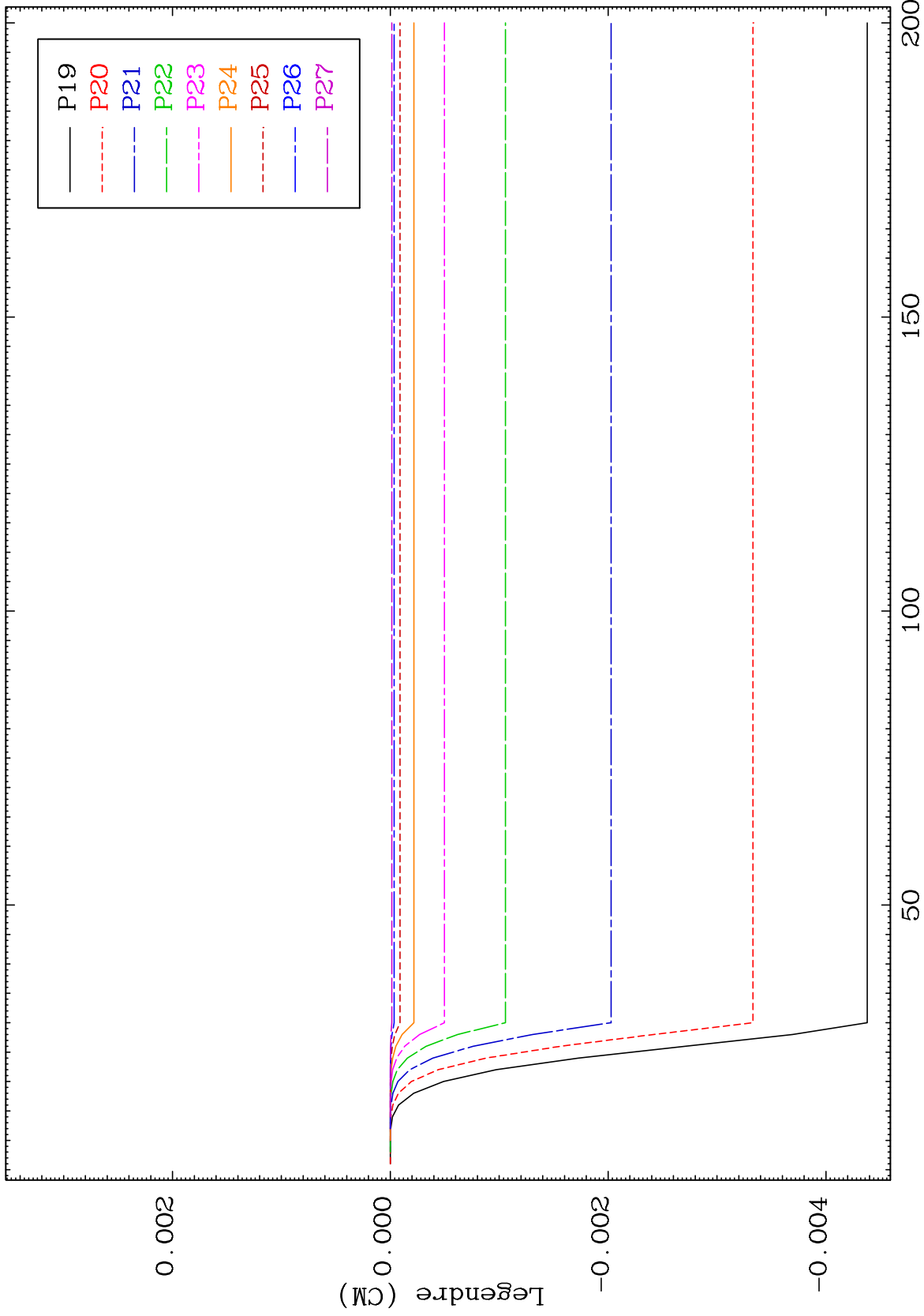
57-La-136



35

Incident Energy (MeV)

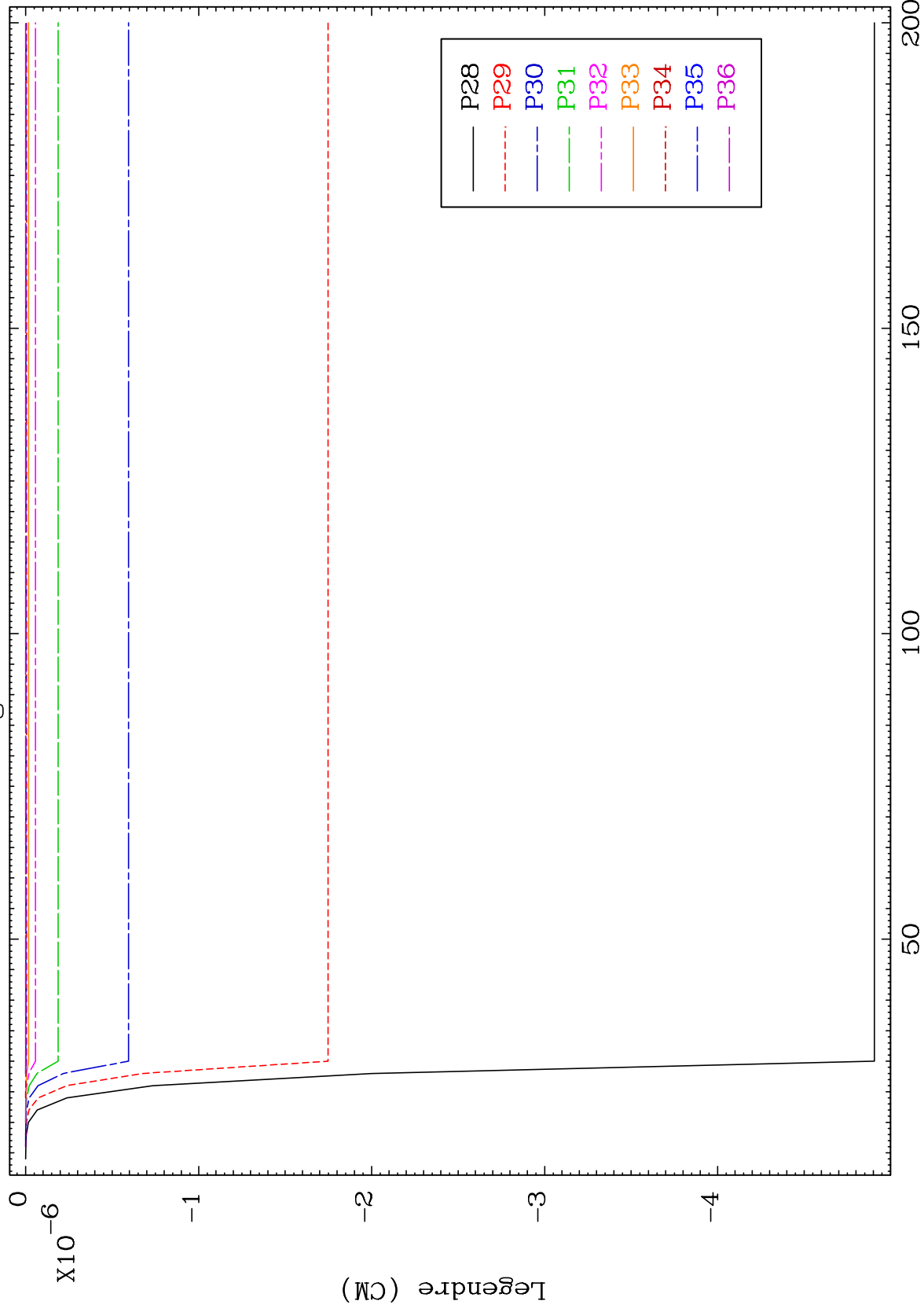
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MAT 5719

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

57-La-136



37

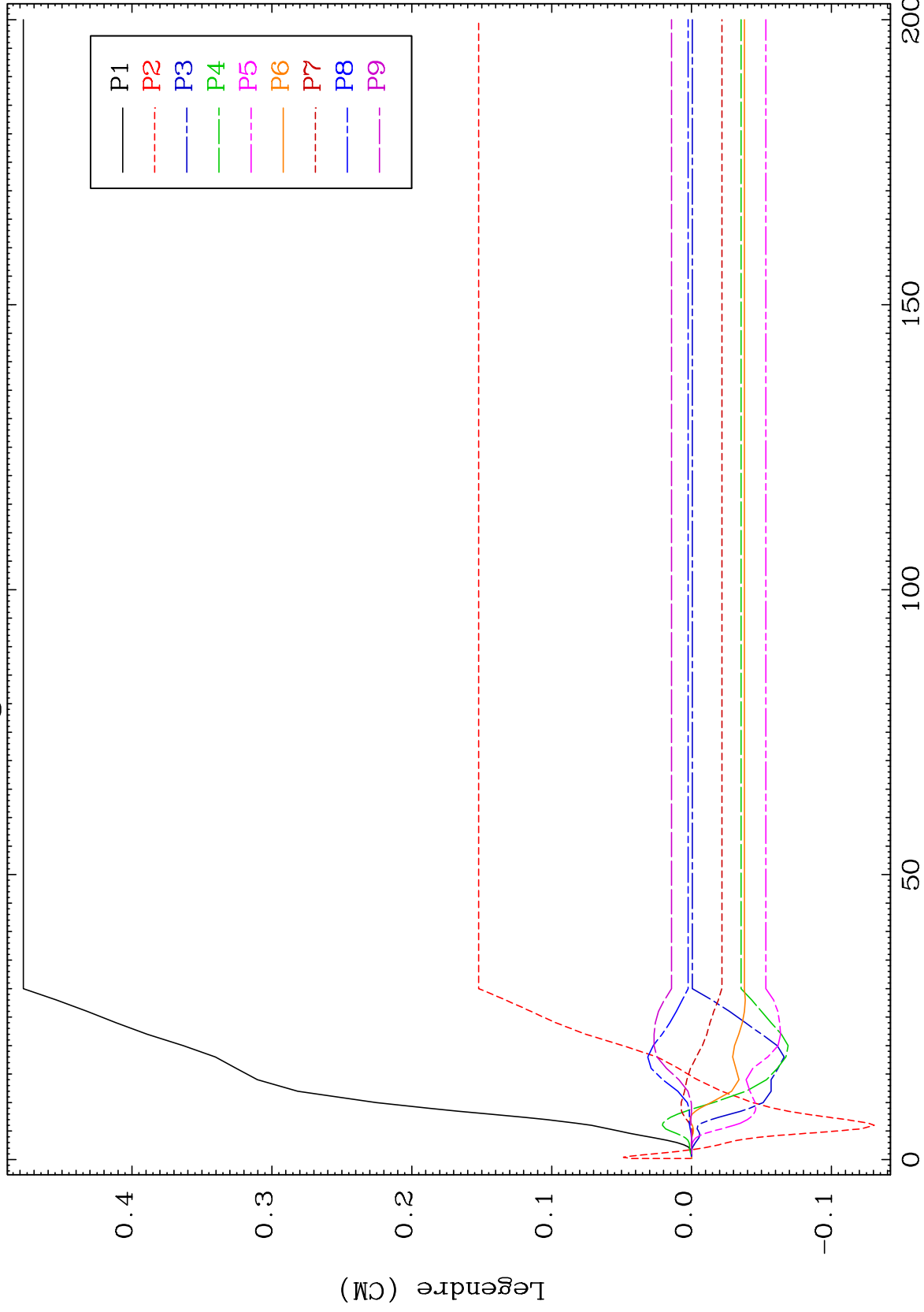
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



38

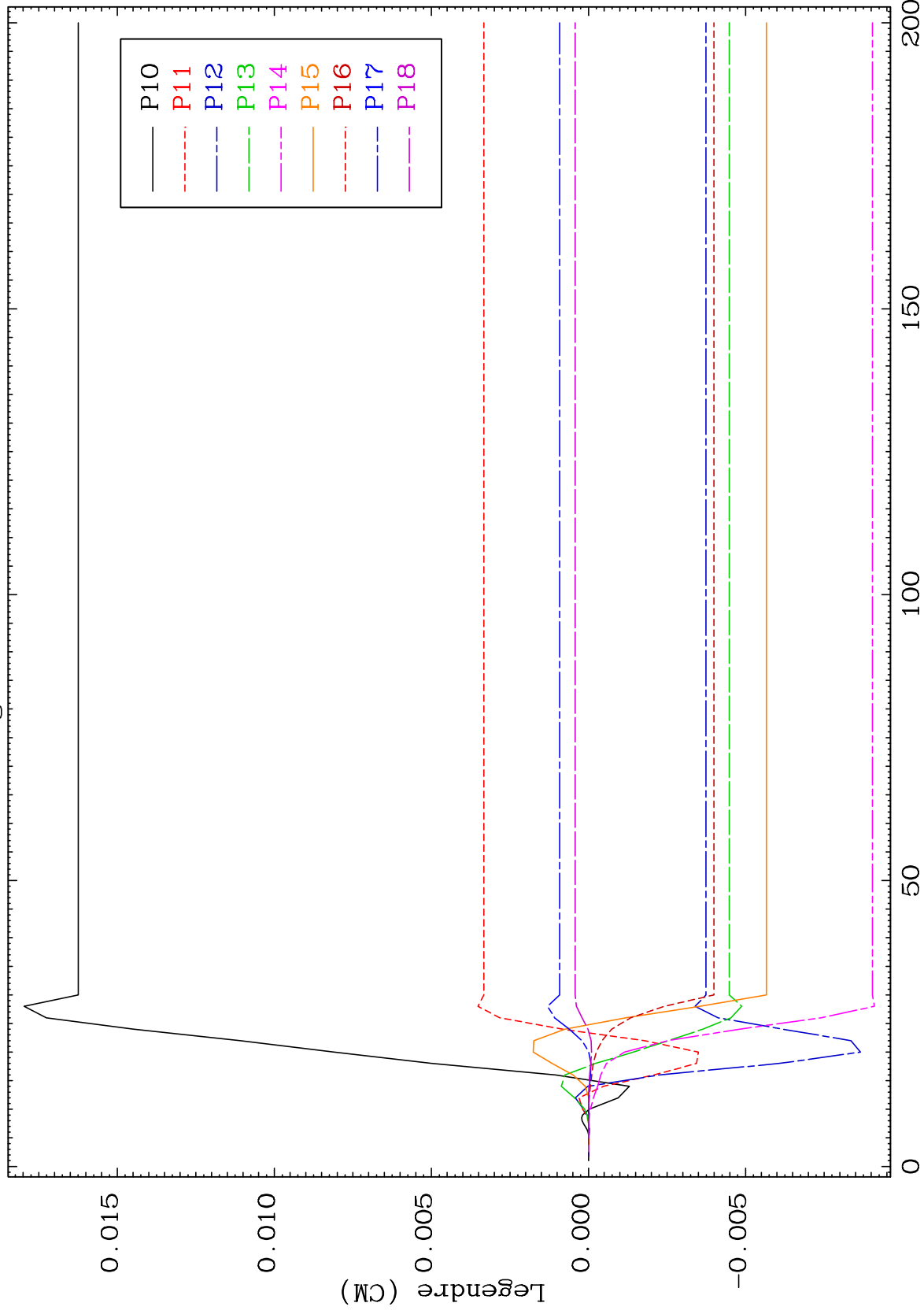
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



39

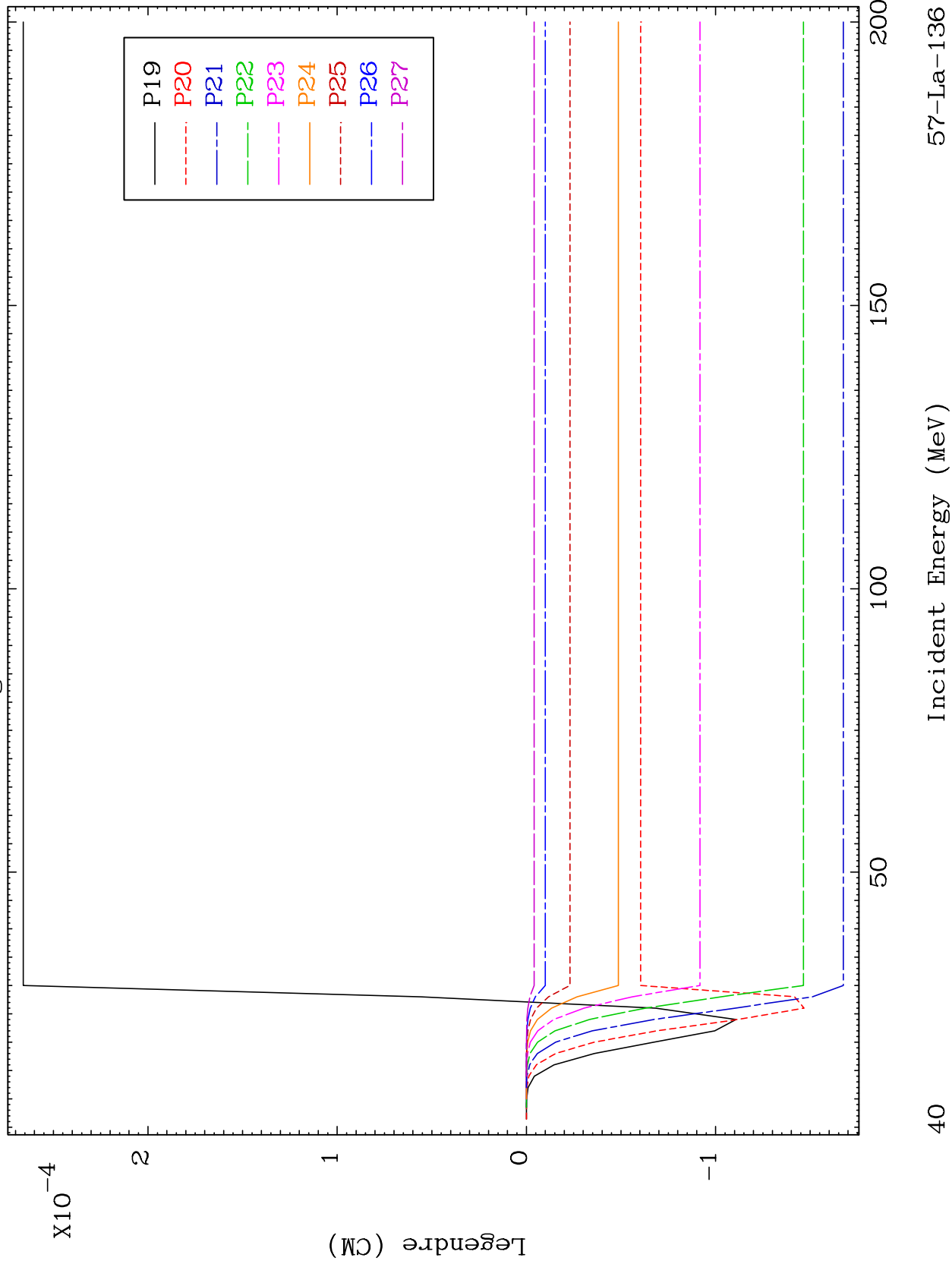
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



57-La-136

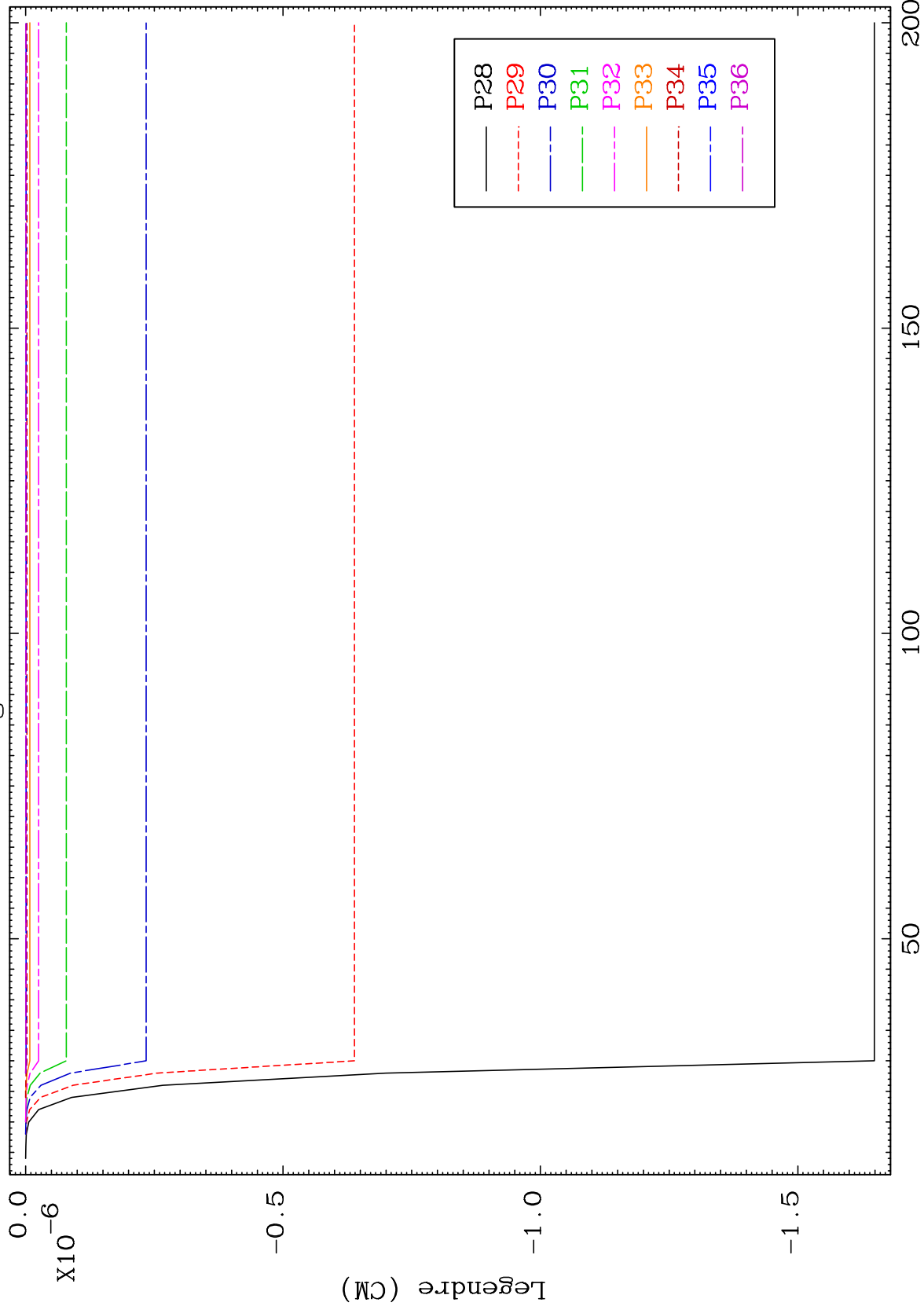
Incident Energy (MeV)

40

MAT 5719

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

57-La-136



57-La-136

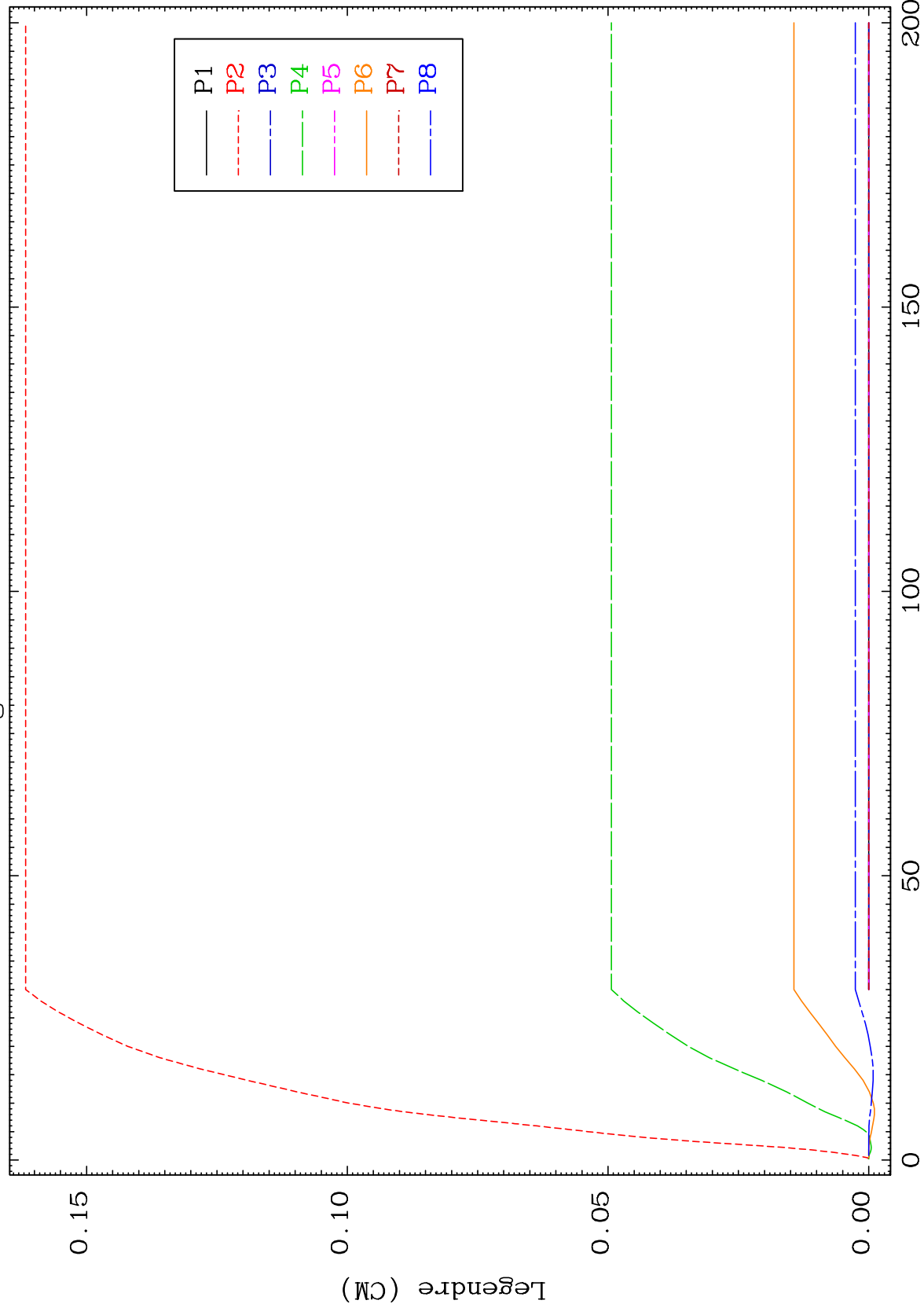
Incident Energy (MeV)

41

MAT 5719

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

57-La-136



42

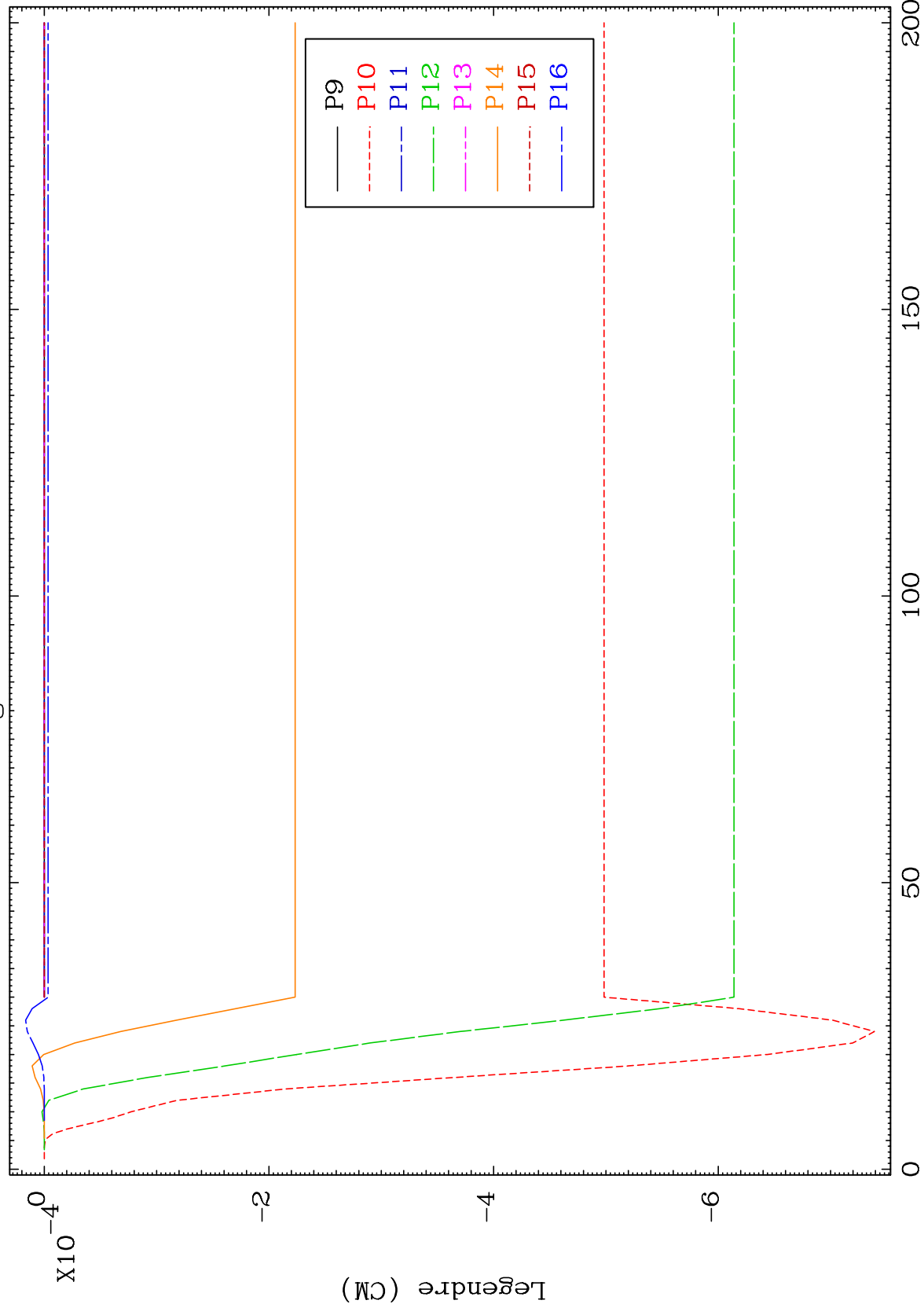
Incident Energy (MeV)

57-La-136

MAT 5719

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

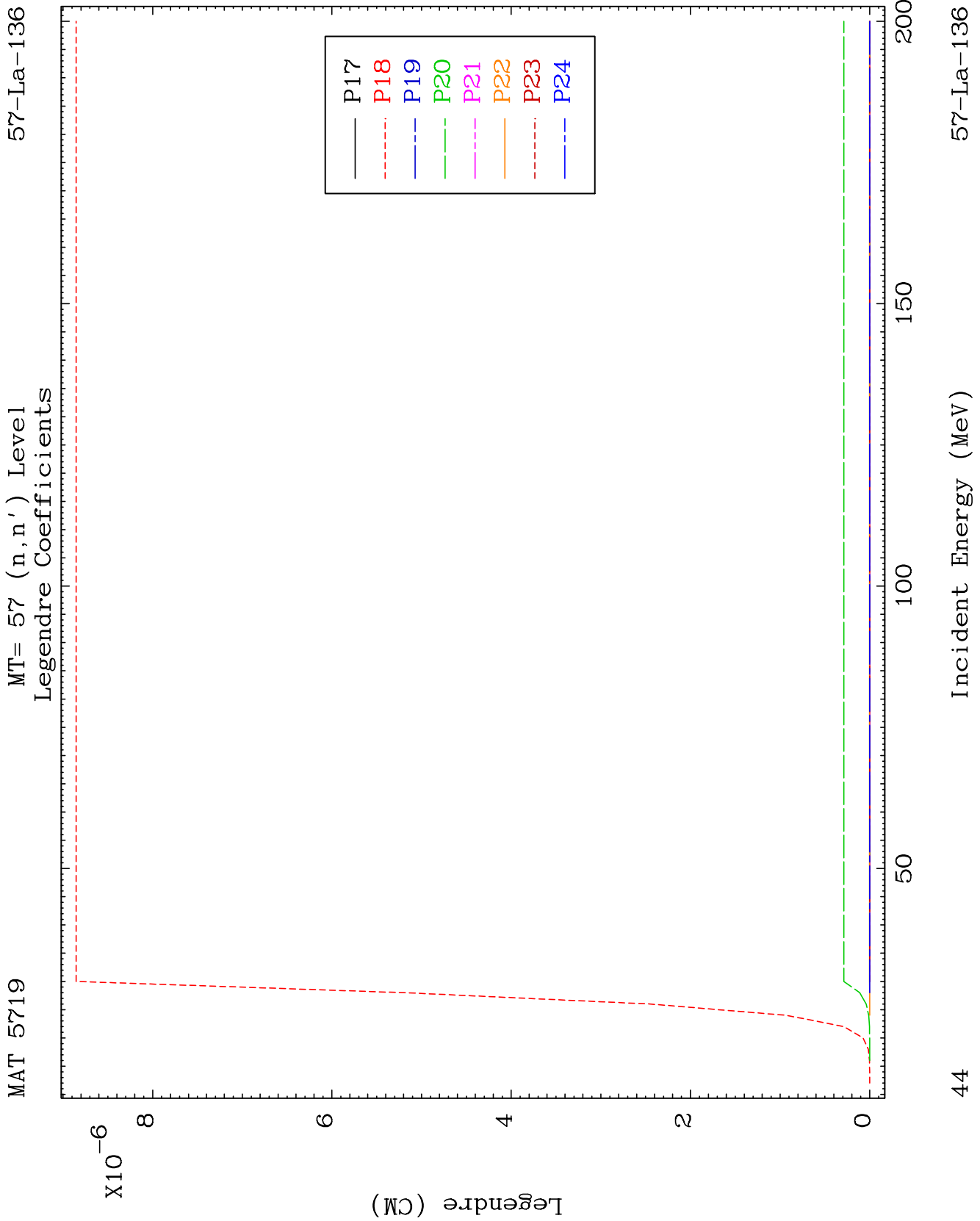
57-La-136



43

Incident Energy (MeV)

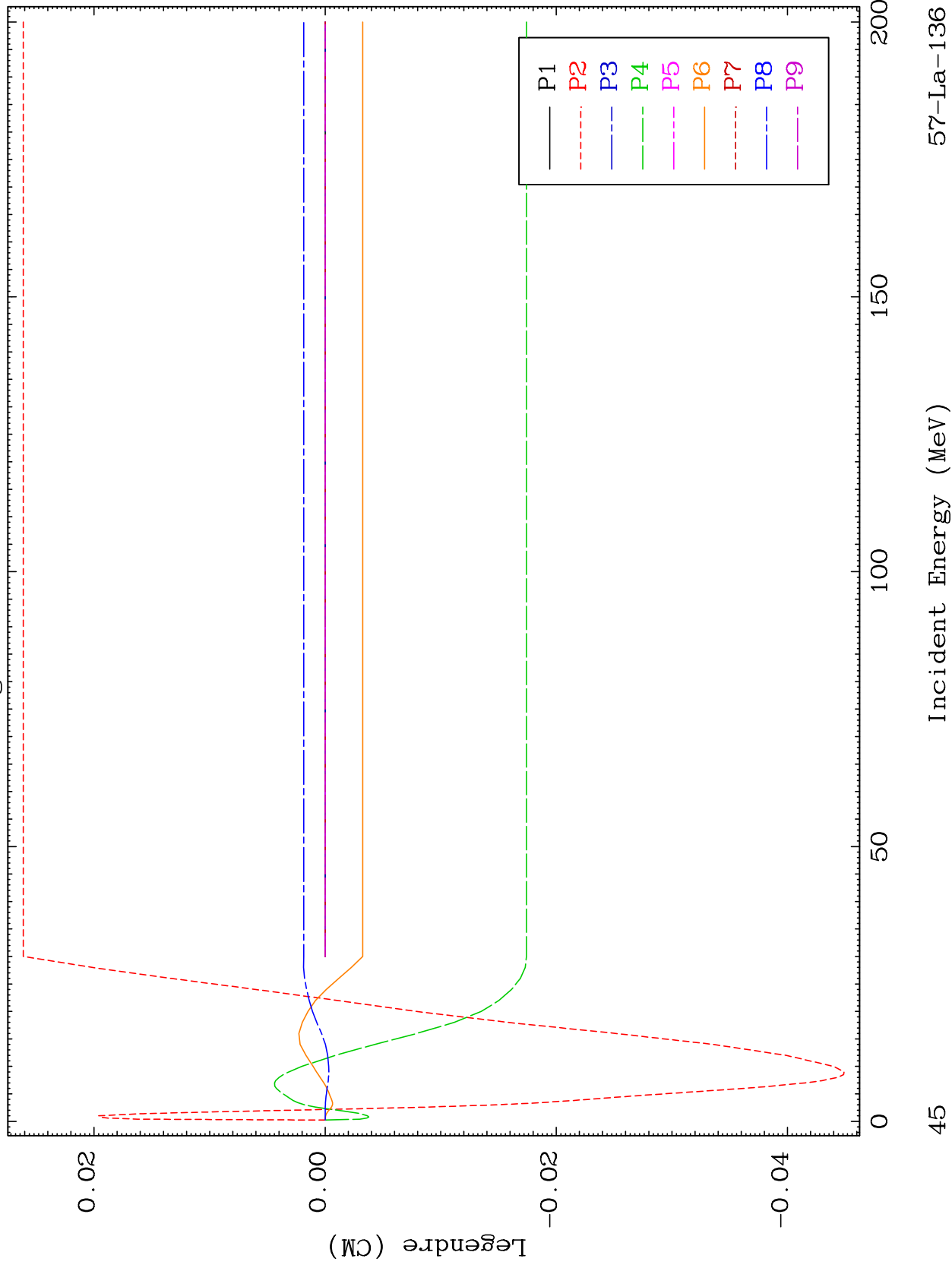
57-La-136



MAT 5719

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

57-La-136



57-La-136

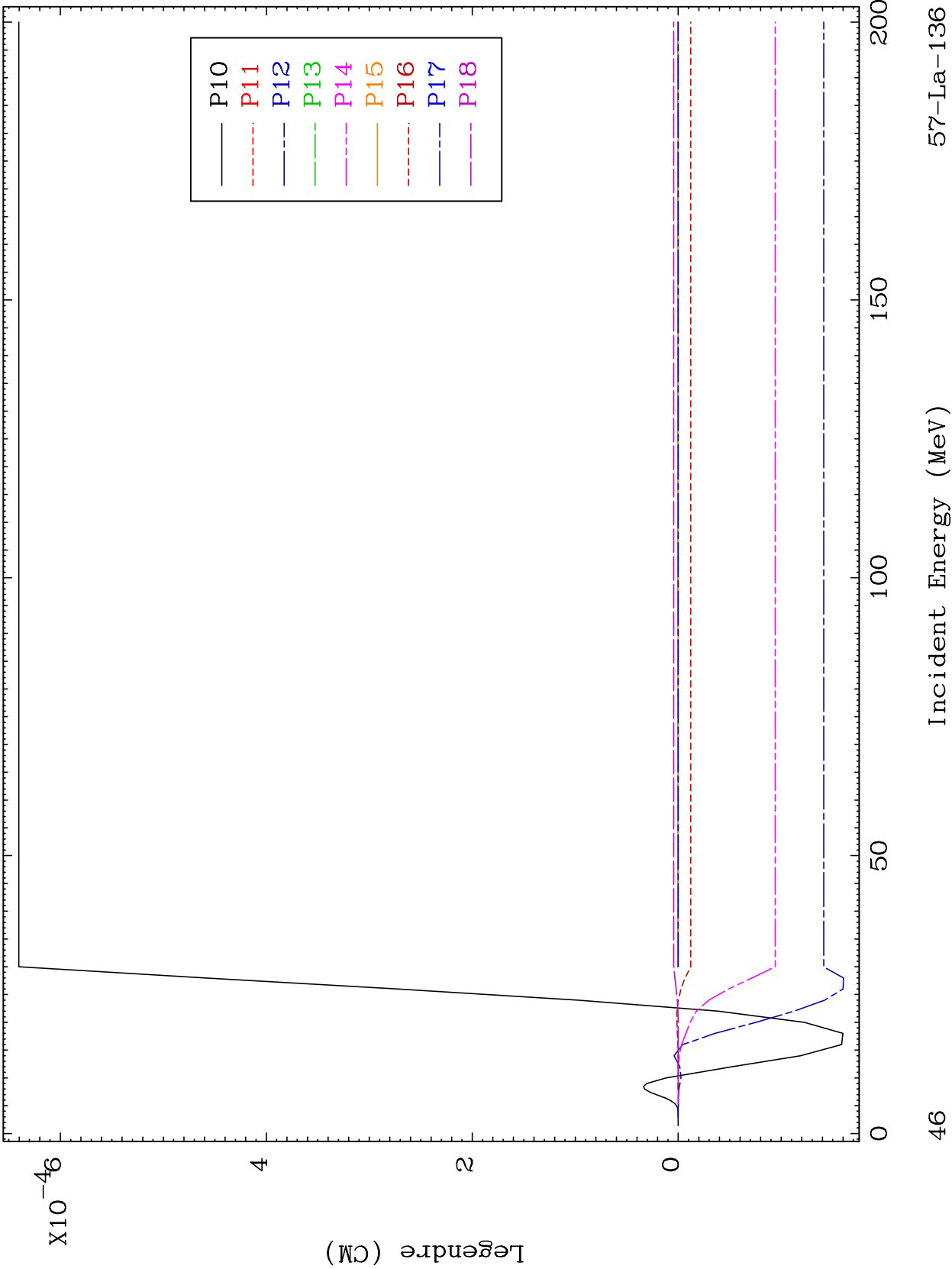
Incident Energy (MeV)

45

MAT 5719

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

57-La-136



57-La-136

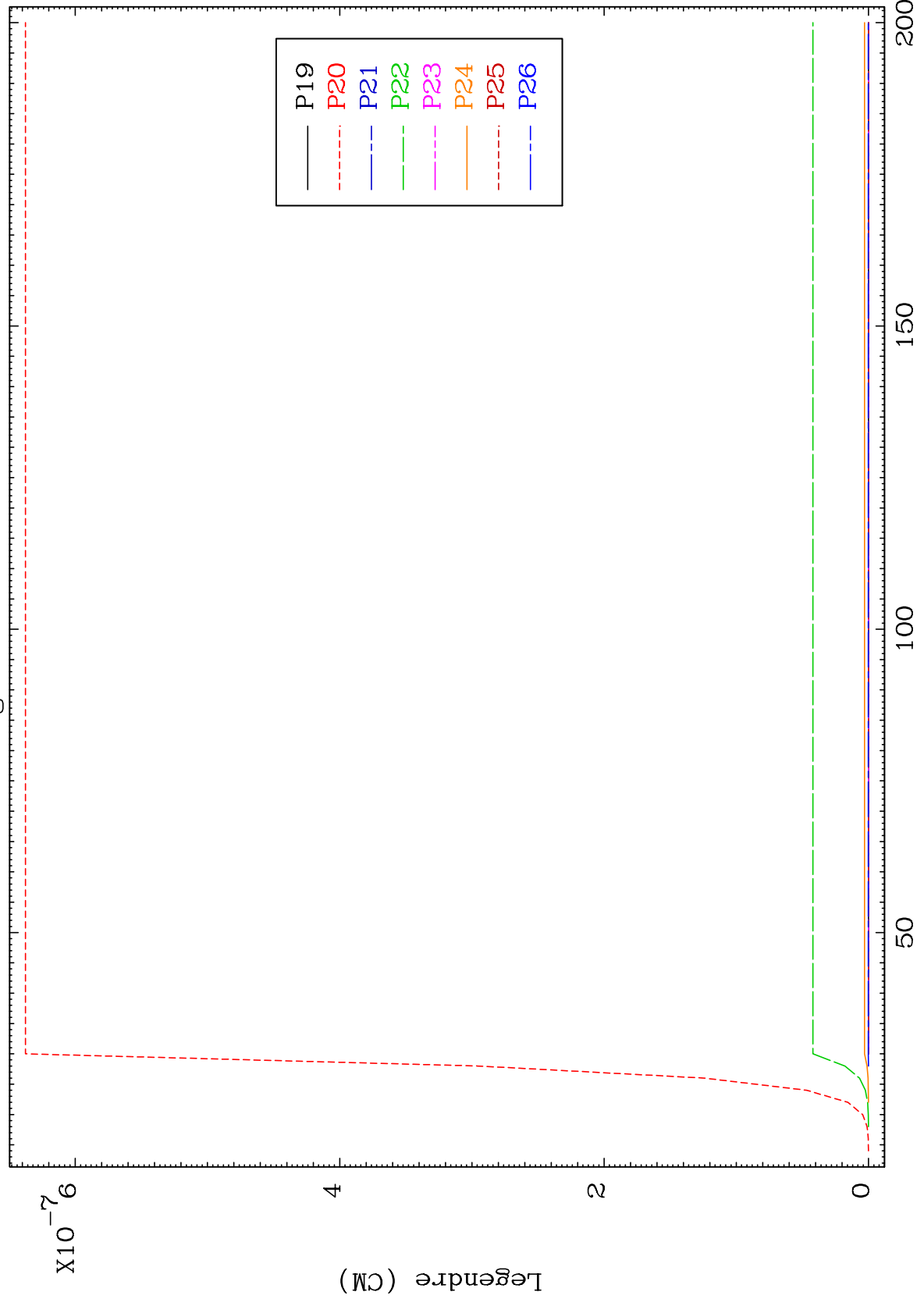
Incident Energy (MeV)

46

MAT 5719

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

57-La-136



57-La-136

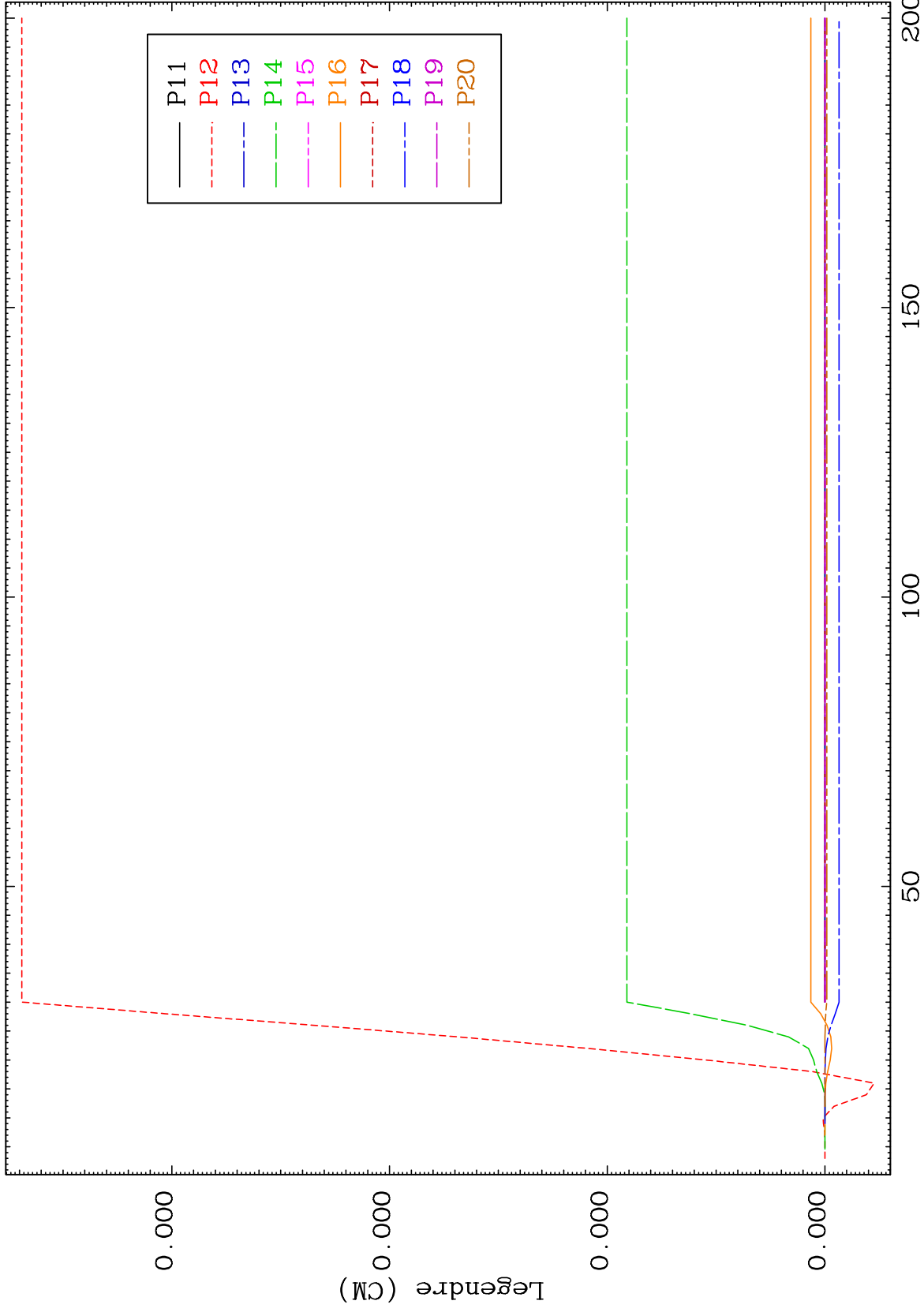
Incident Energy (MeV)

47

MAT 5719

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

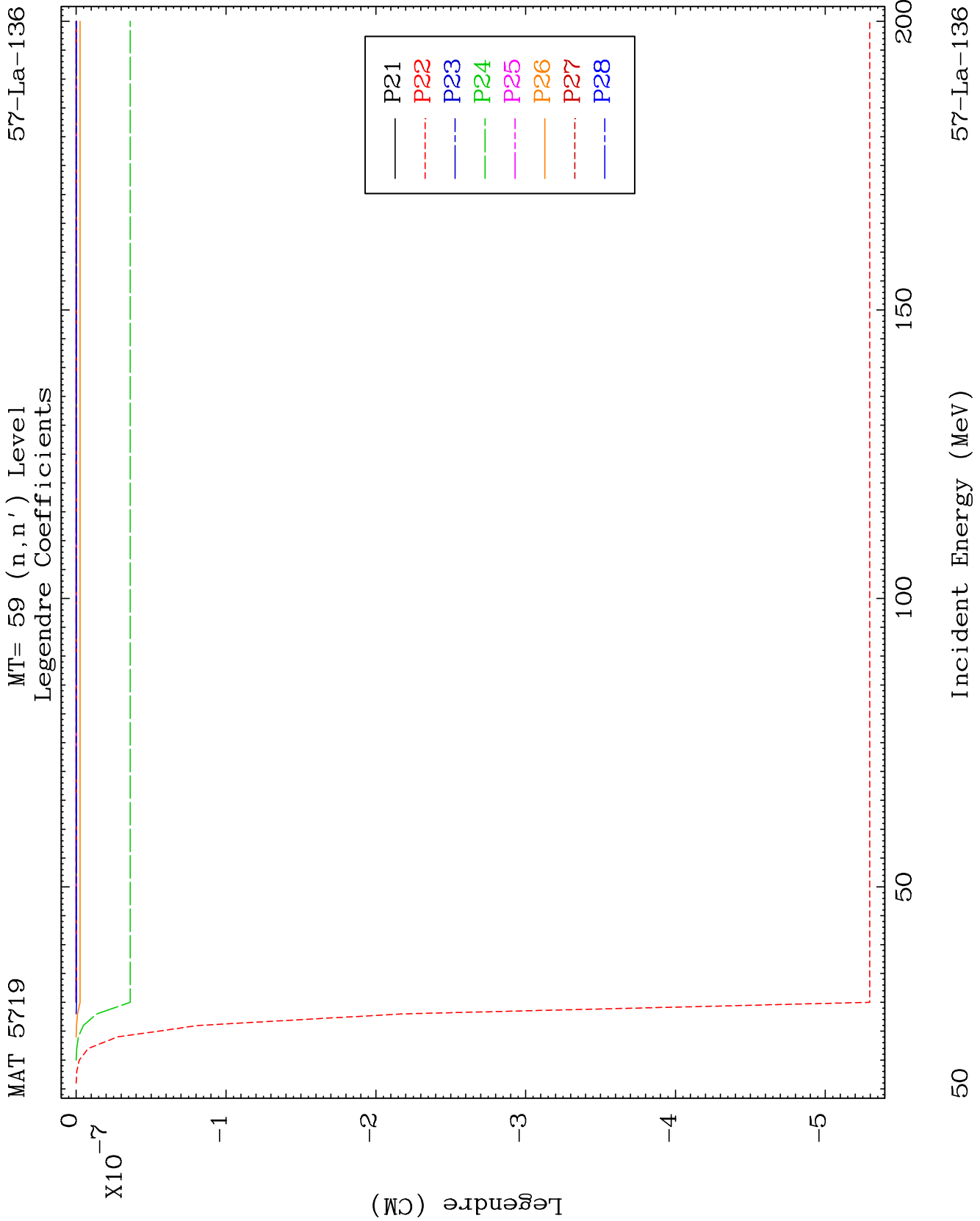
57-La-136



49

Incident Energy (MeV)

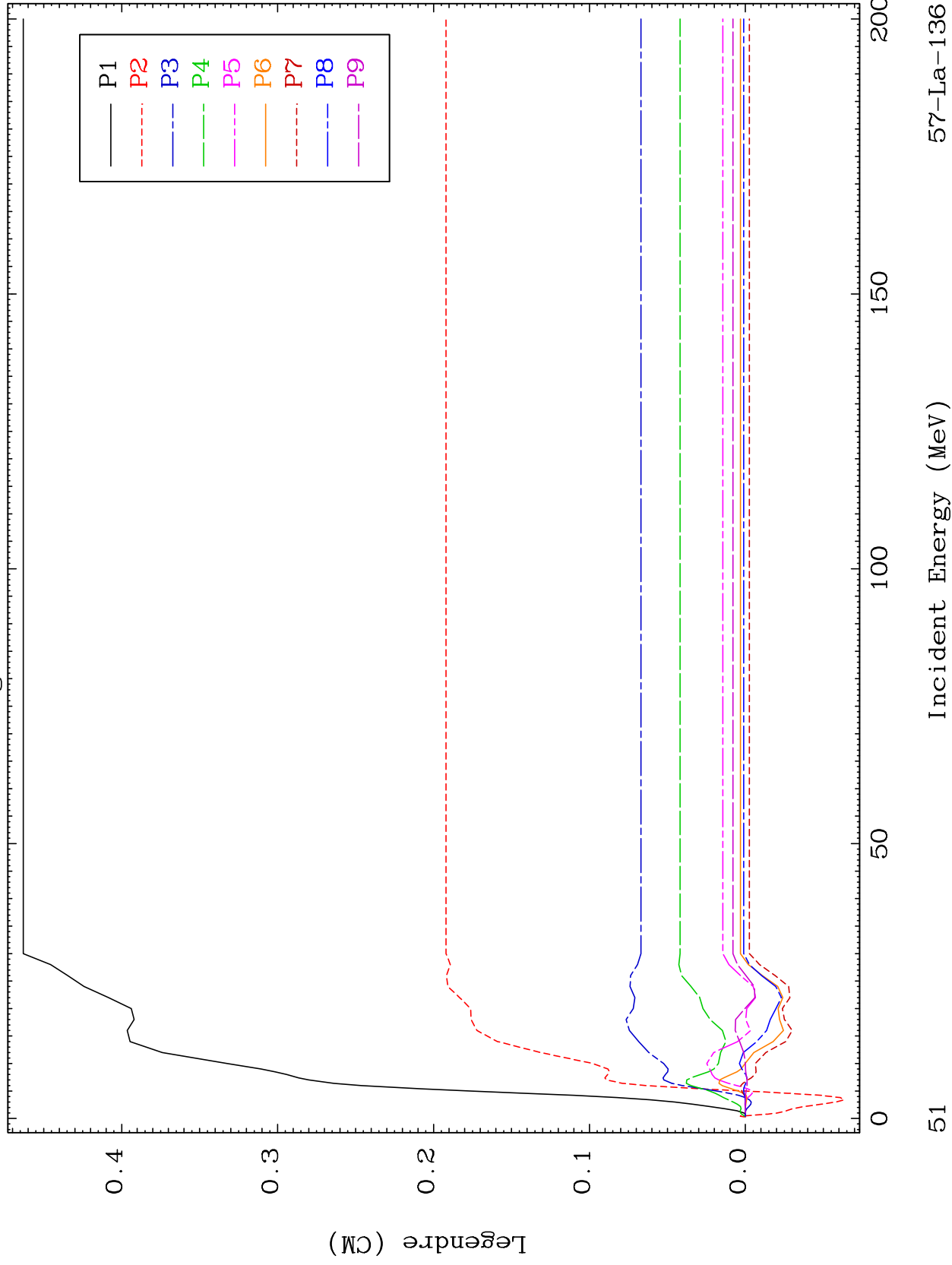
57-La-136



MAT 5719

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

57-La-136



57-La-136

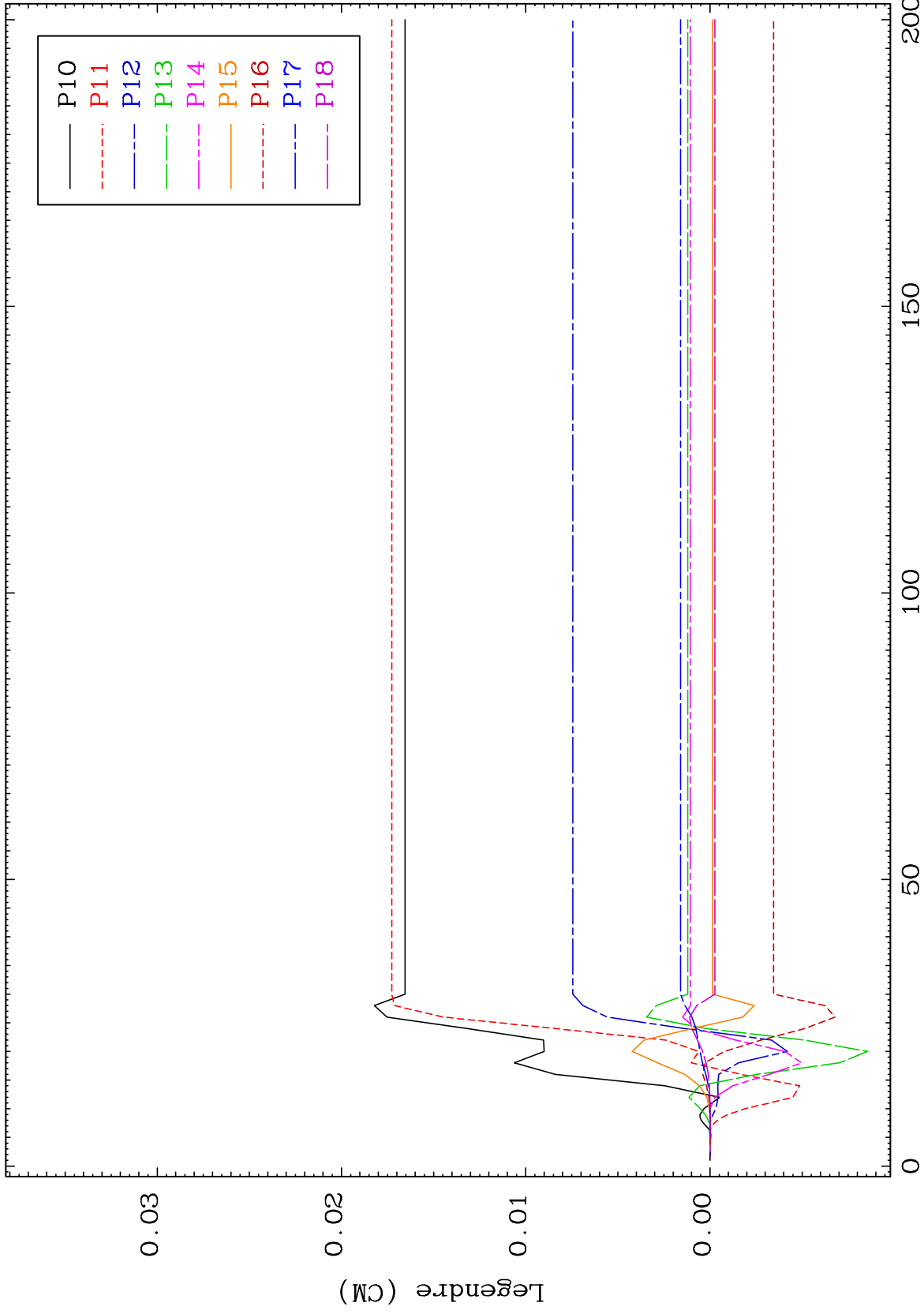
Incident Energy (MeV)

51

MAT 5719

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

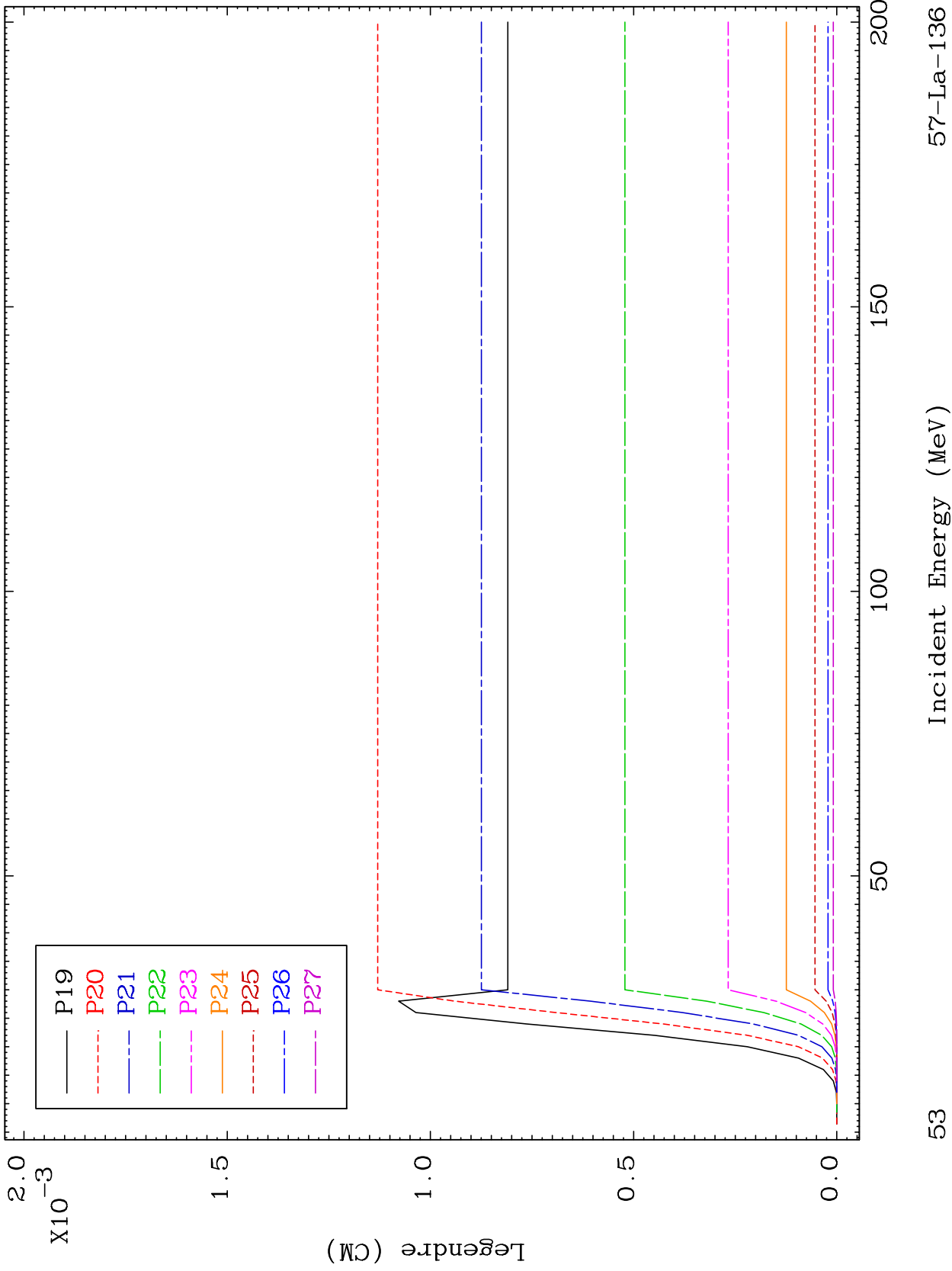
57-La-136



52

Incident Energy (MeV)

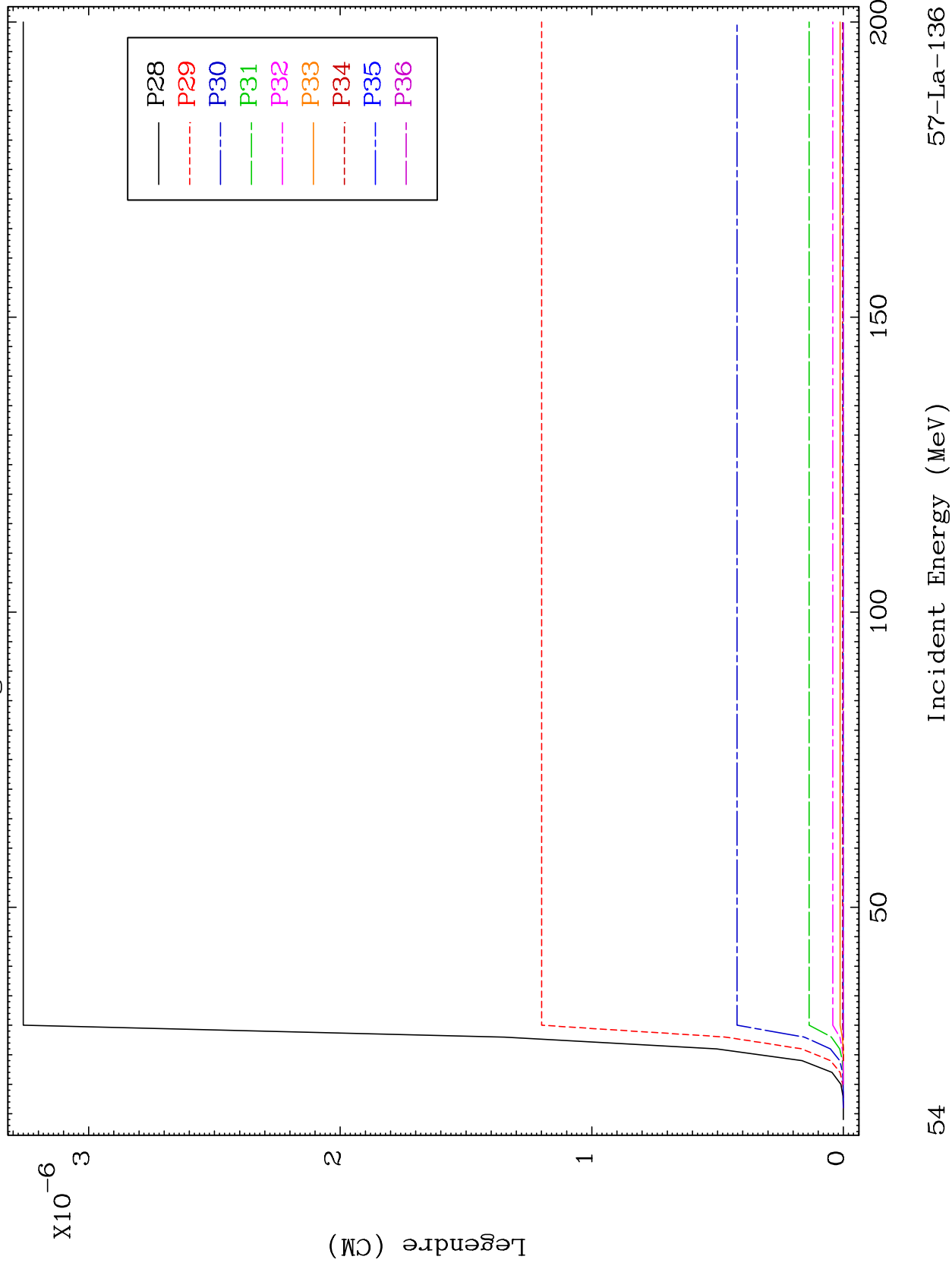
57-La-136



MAT 5719

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

57-La-136



54

Incident Energy (MeV)

57-La-136

200

150

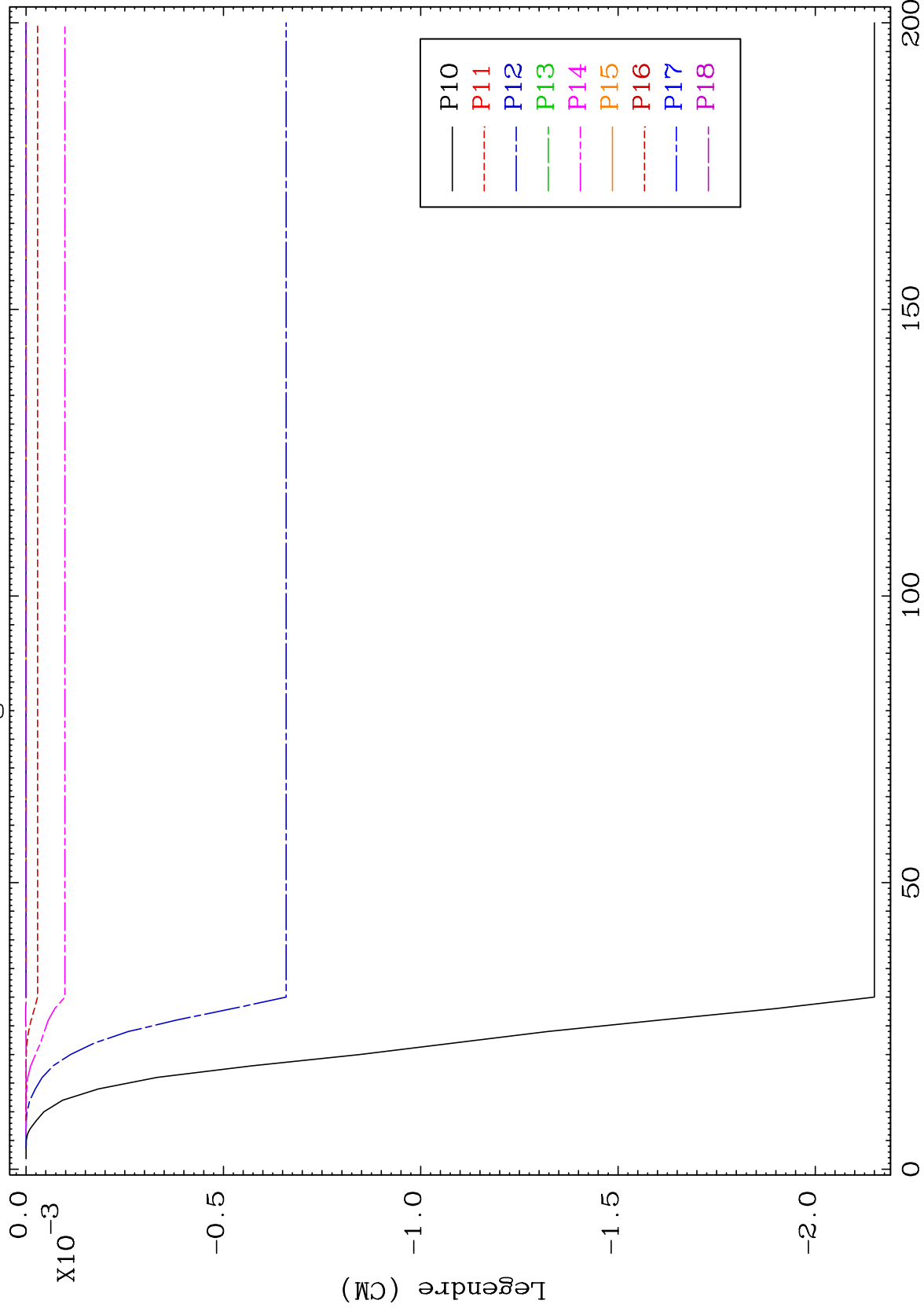
100

50

MAT 5719

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

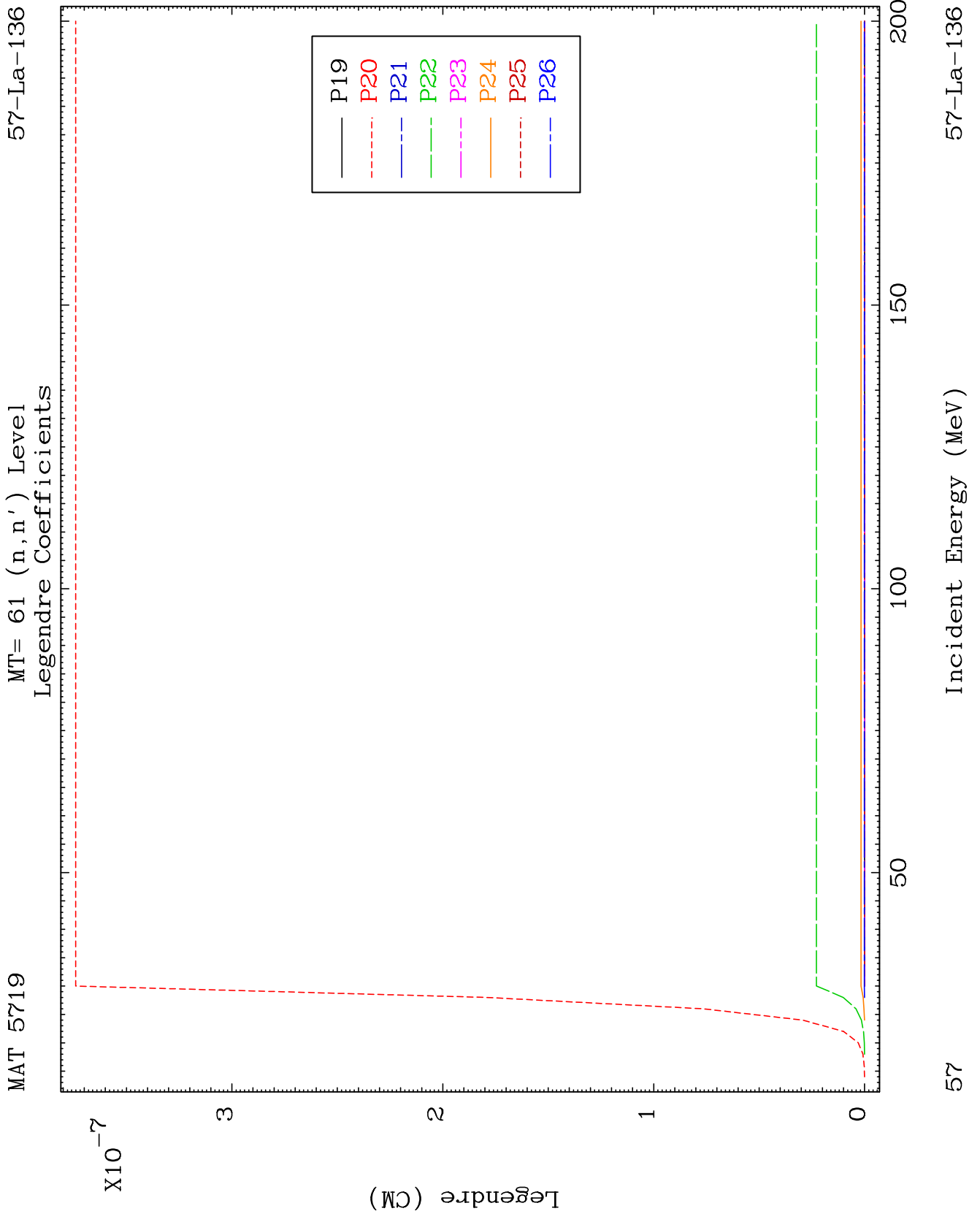
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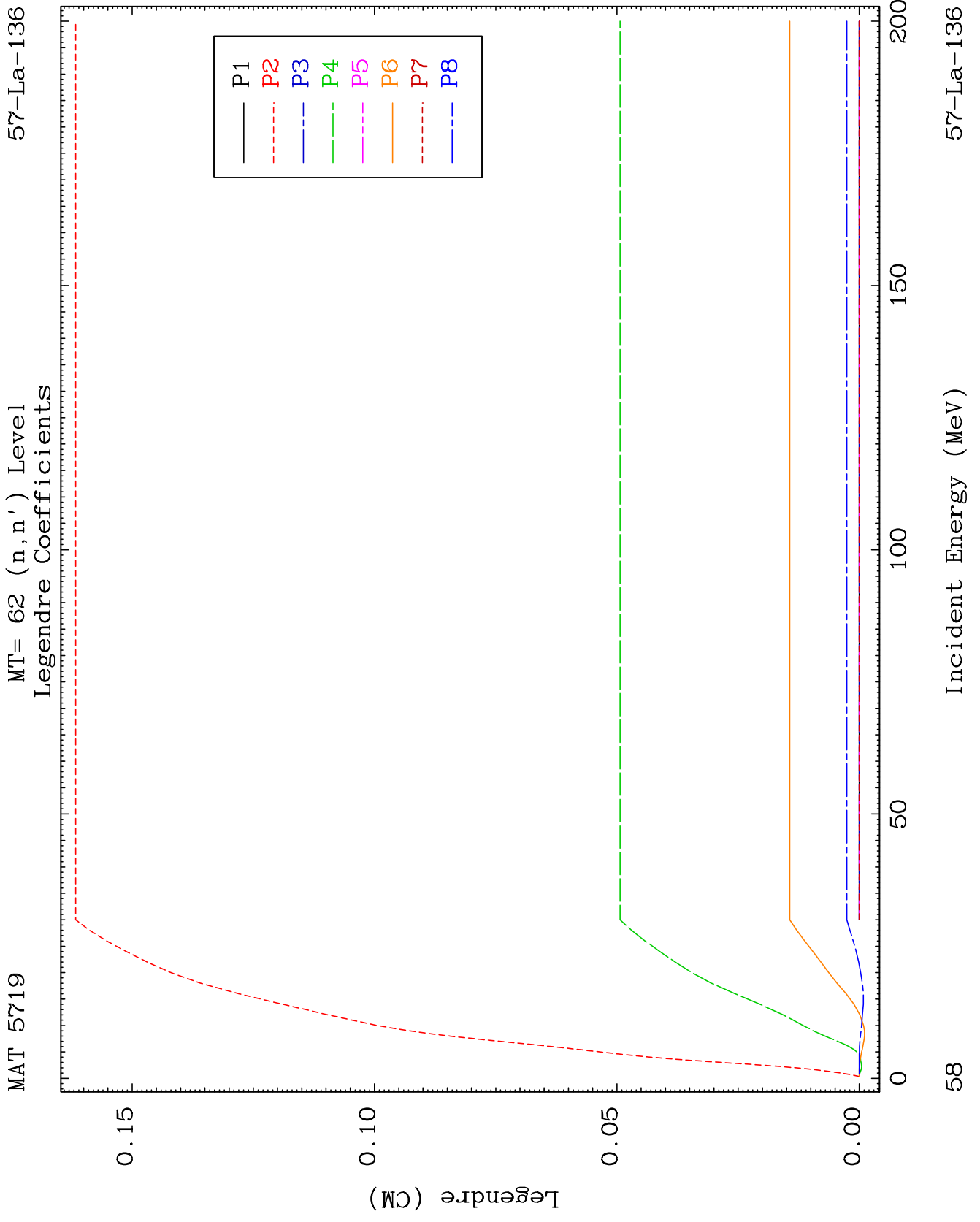


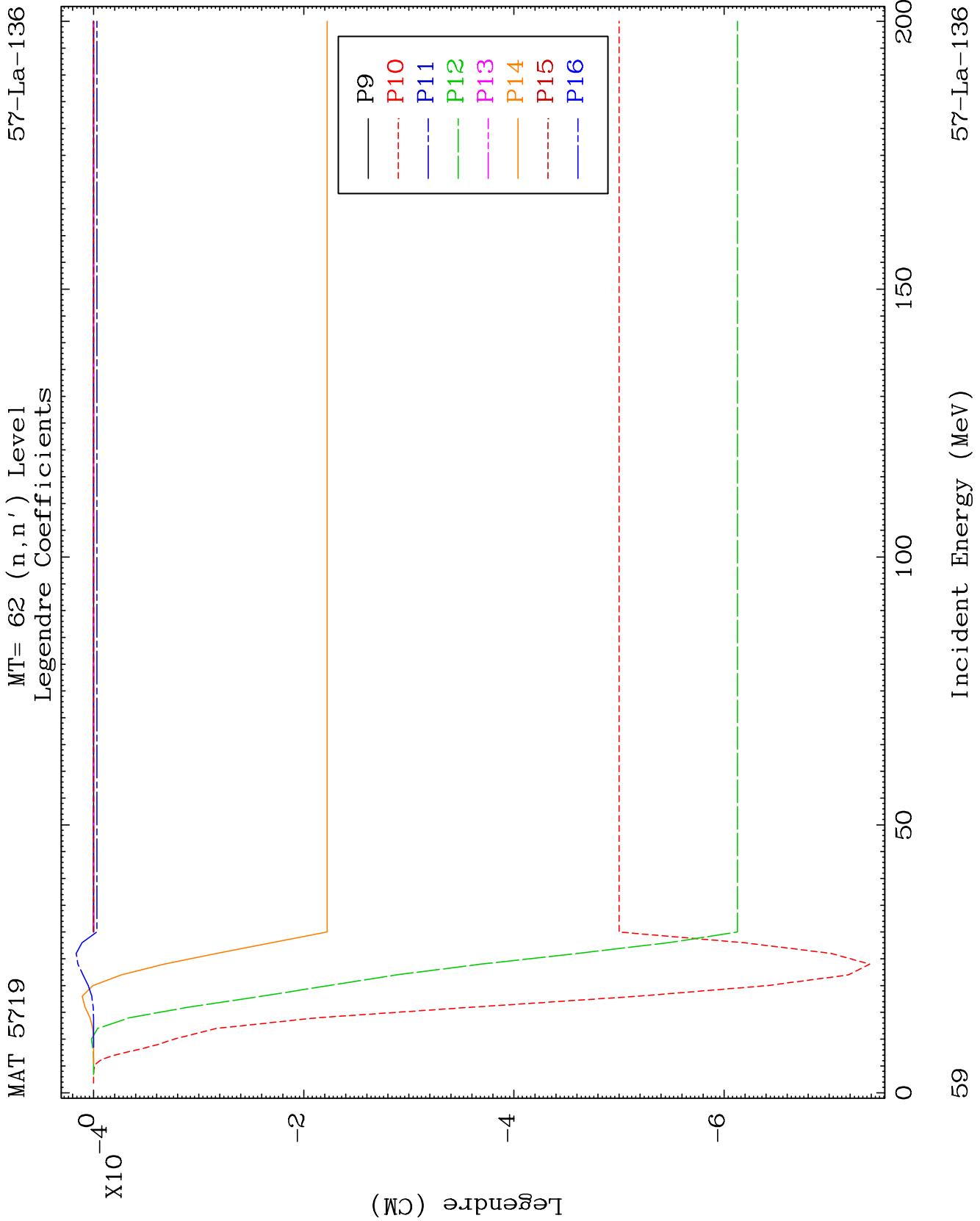
56

Incident Energy (MeV)

57-La-136



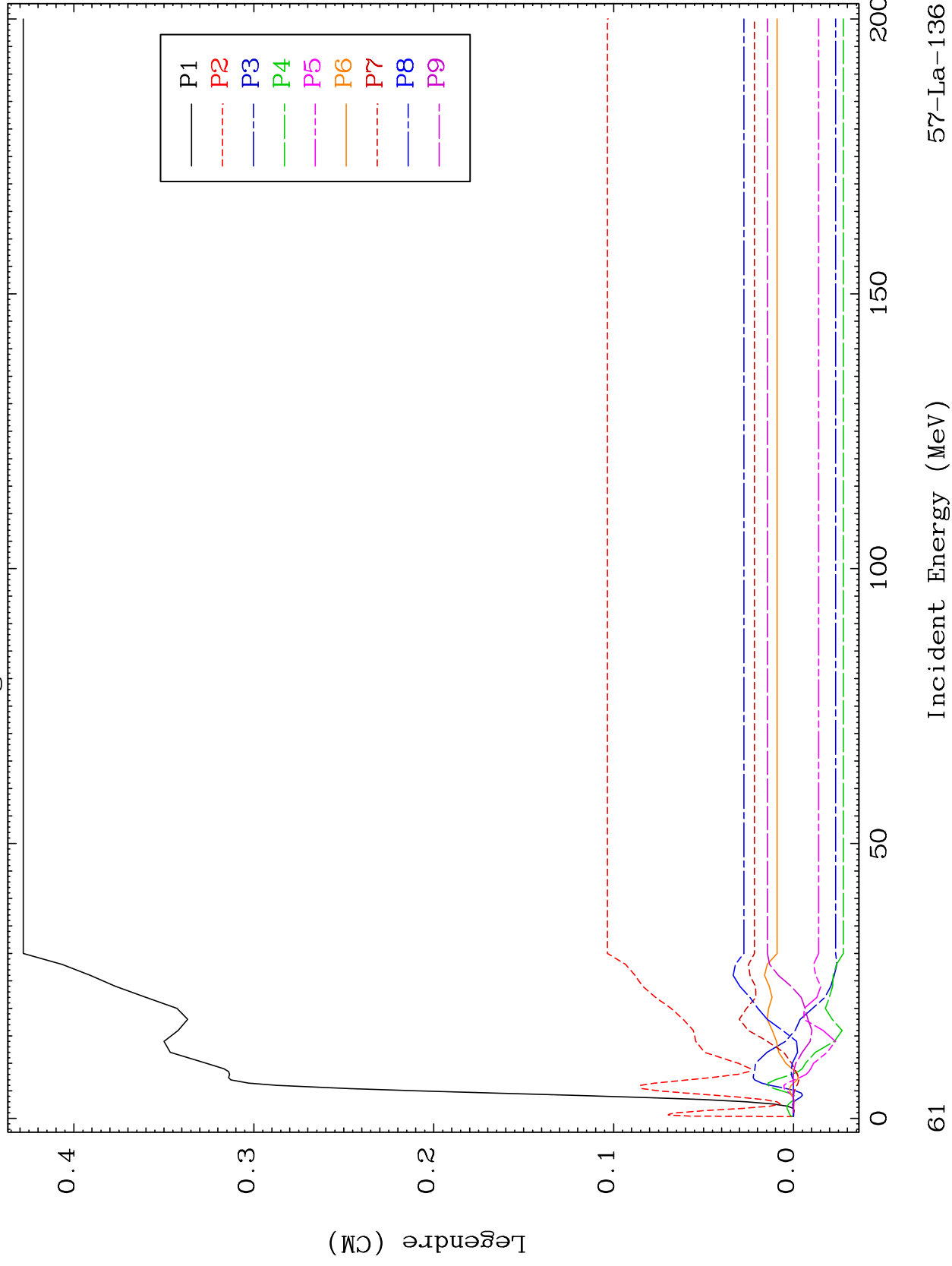




MAT 5719

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

57-La-136



57-La-136

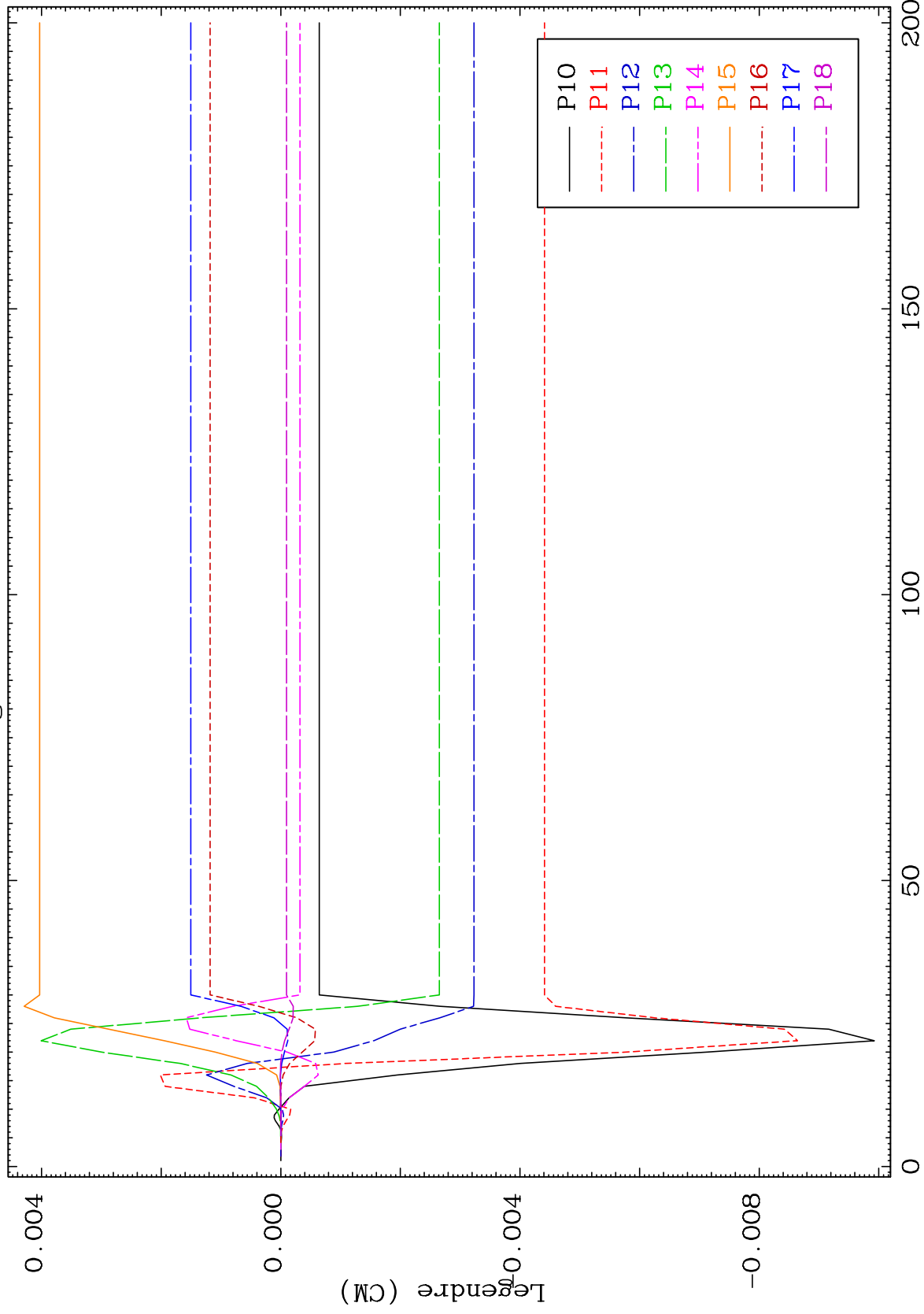
Incident Energy (MeV)

61

MAT 5719

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

57-La-136



62

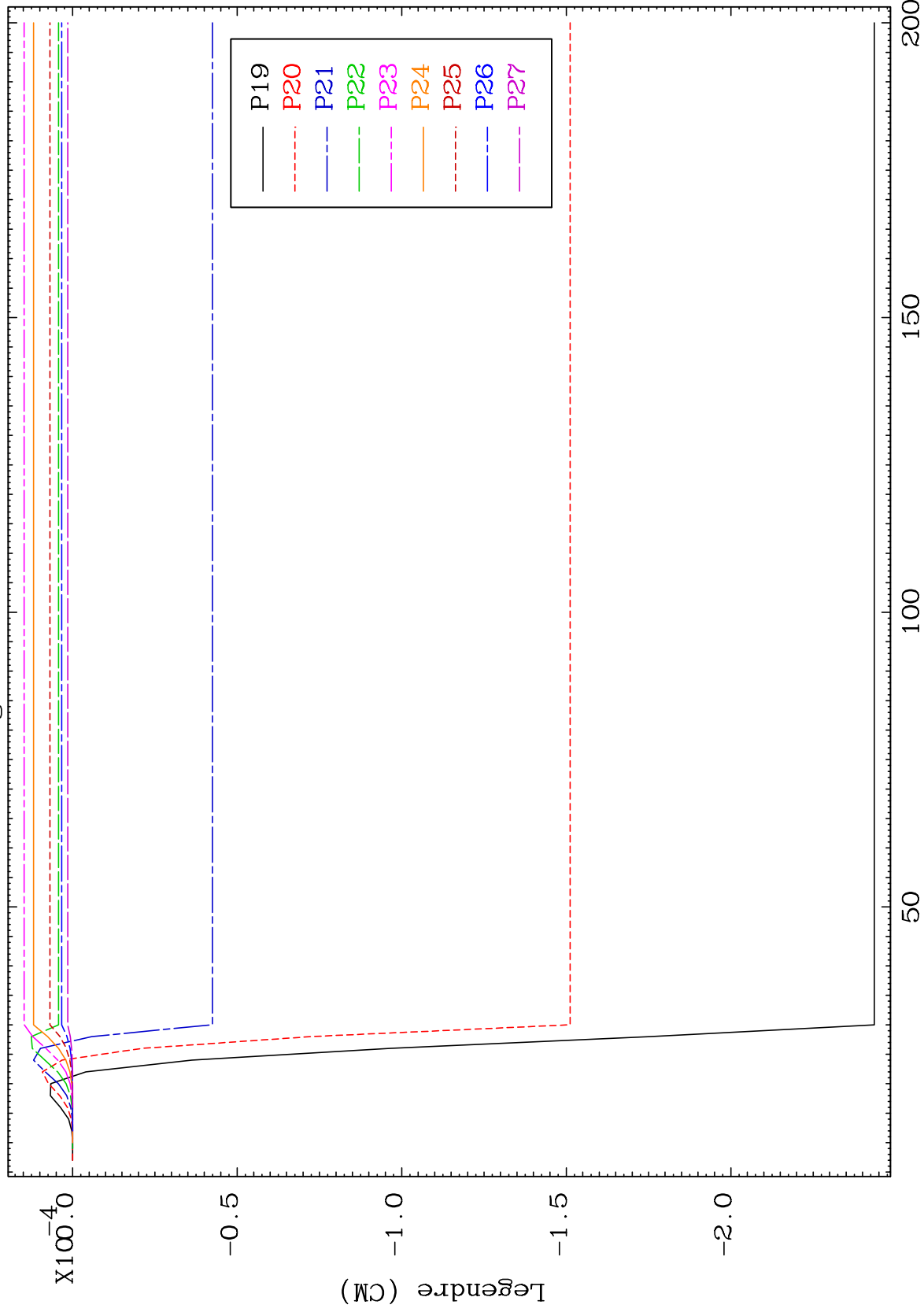
Incident Energy (MeV)

57-La-136

MAT 5719

57-La-136

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



63

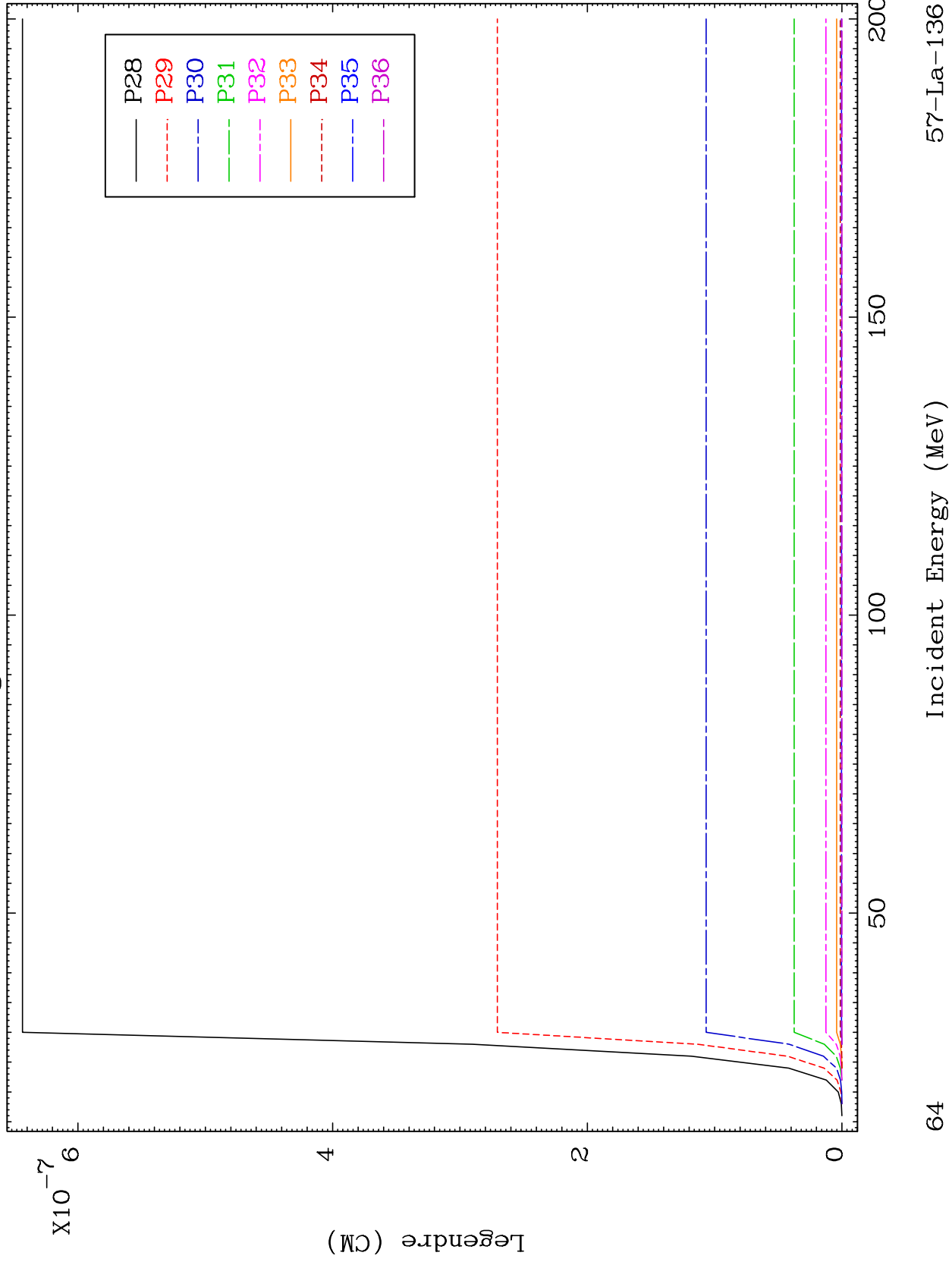
Incident Energy (MeV)

57-La-136

MAT 5719

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

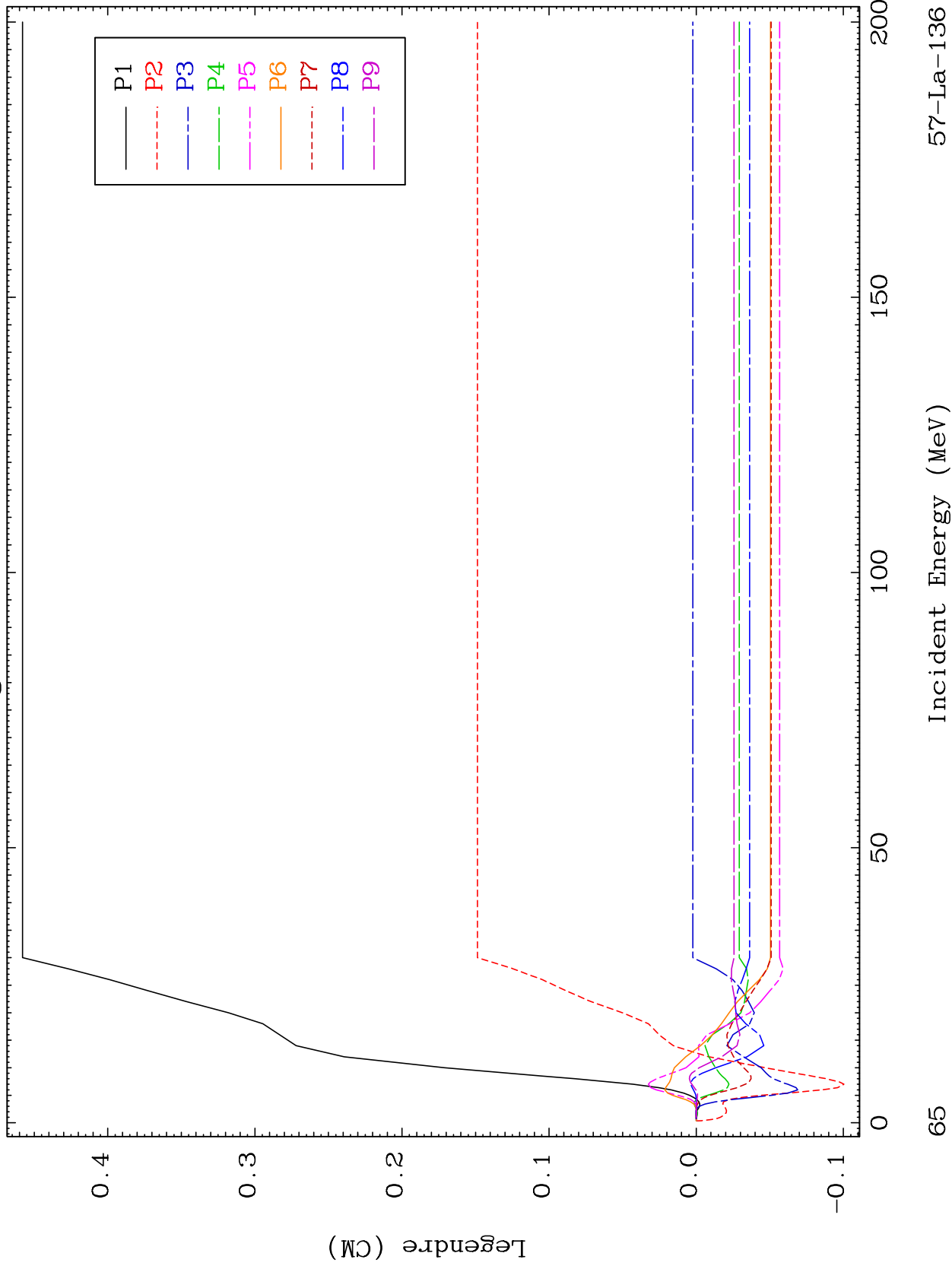
57-La-136



MAT 5719

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

57-La-136



57-La-136

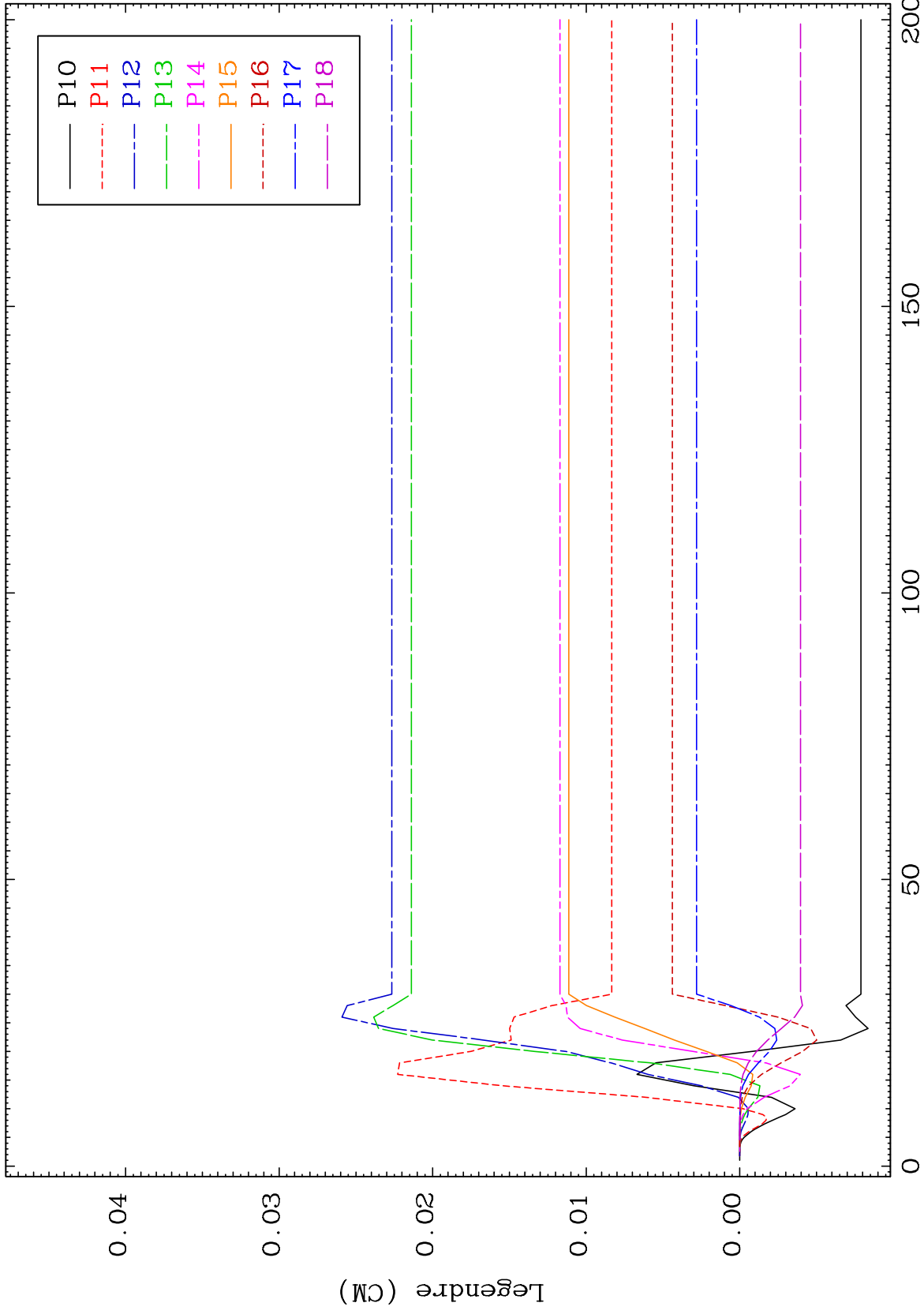
Incident Energy (MeV)

65

MAT 5719

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

57-La-136



66

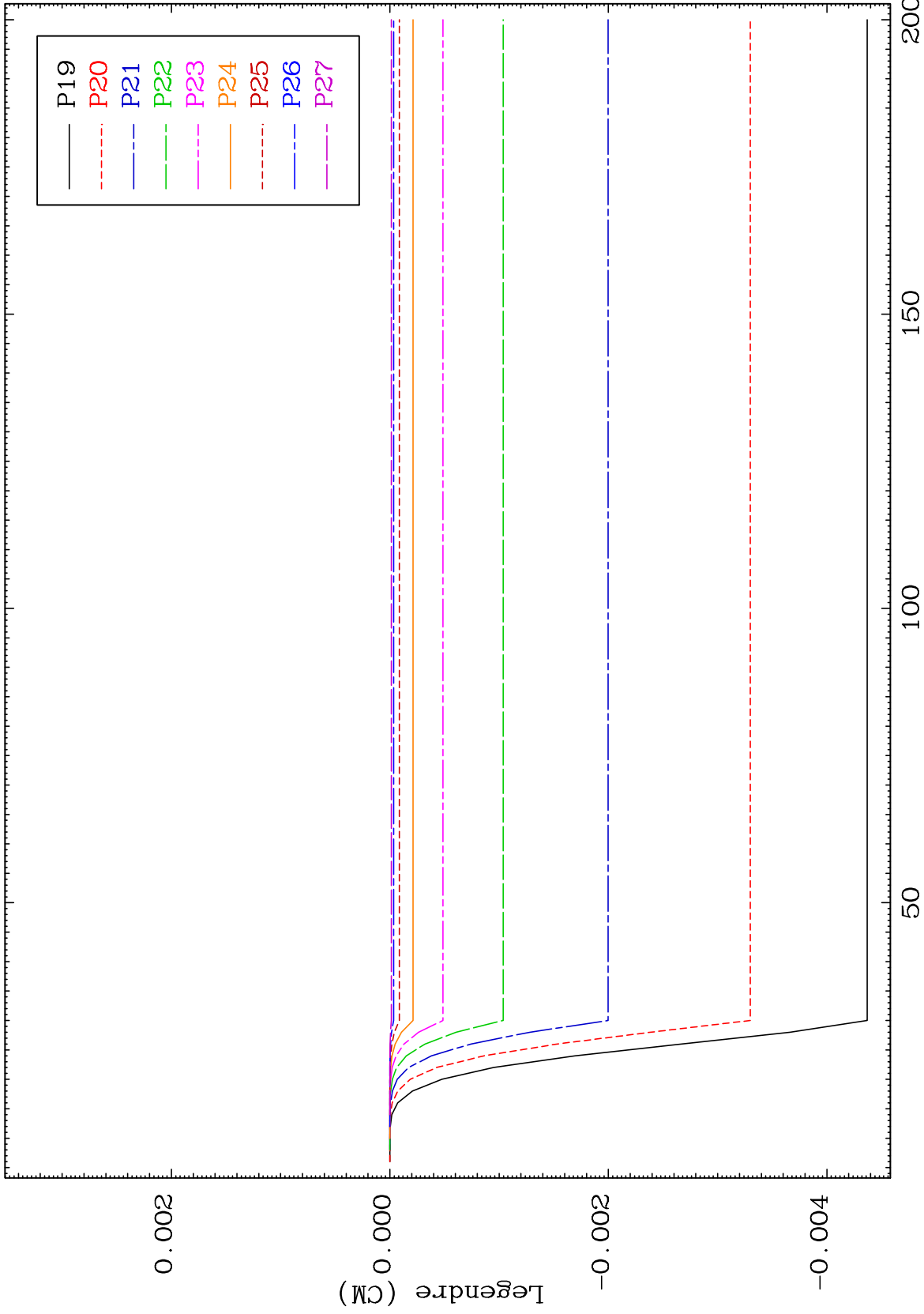
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



67

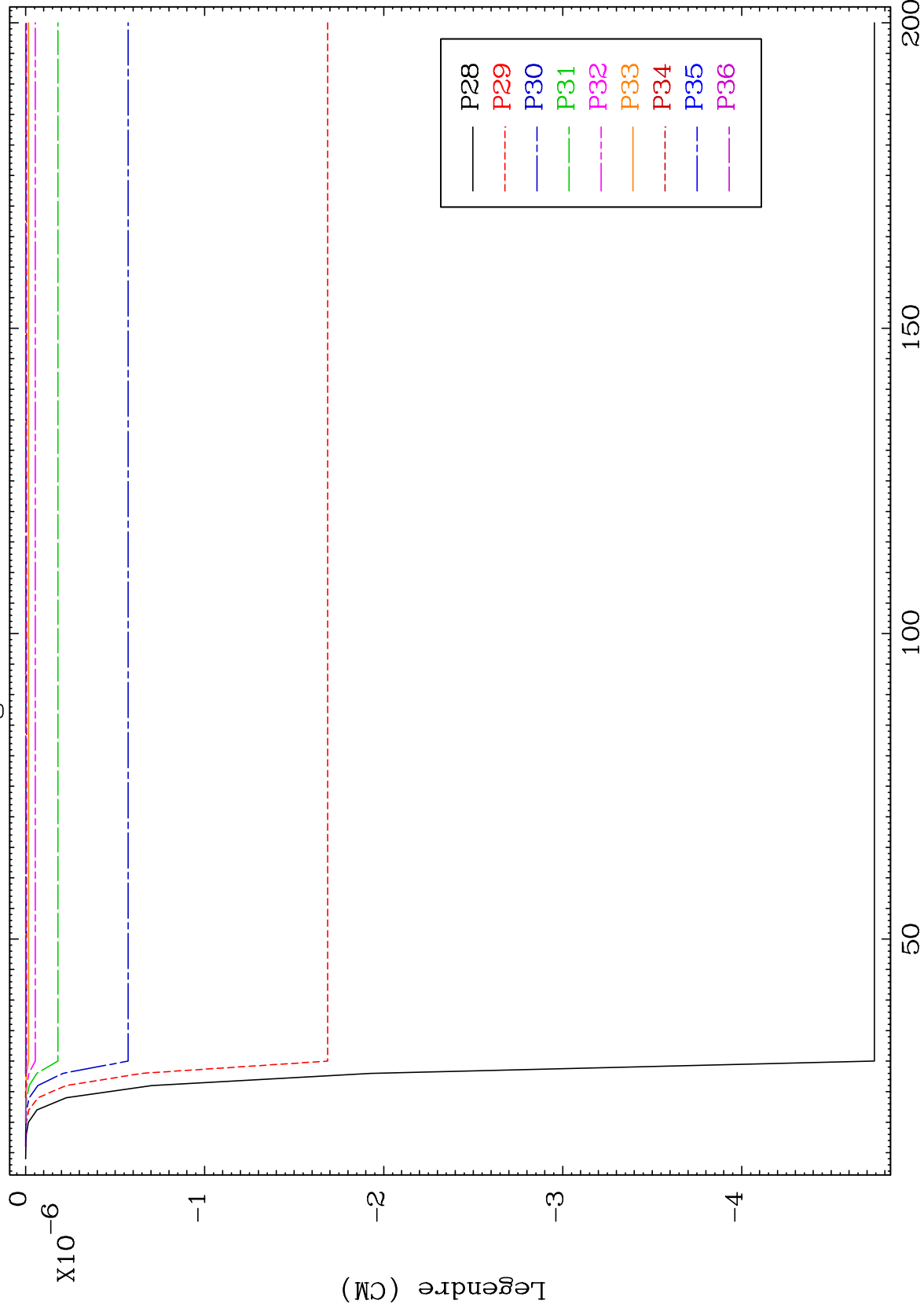
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



68

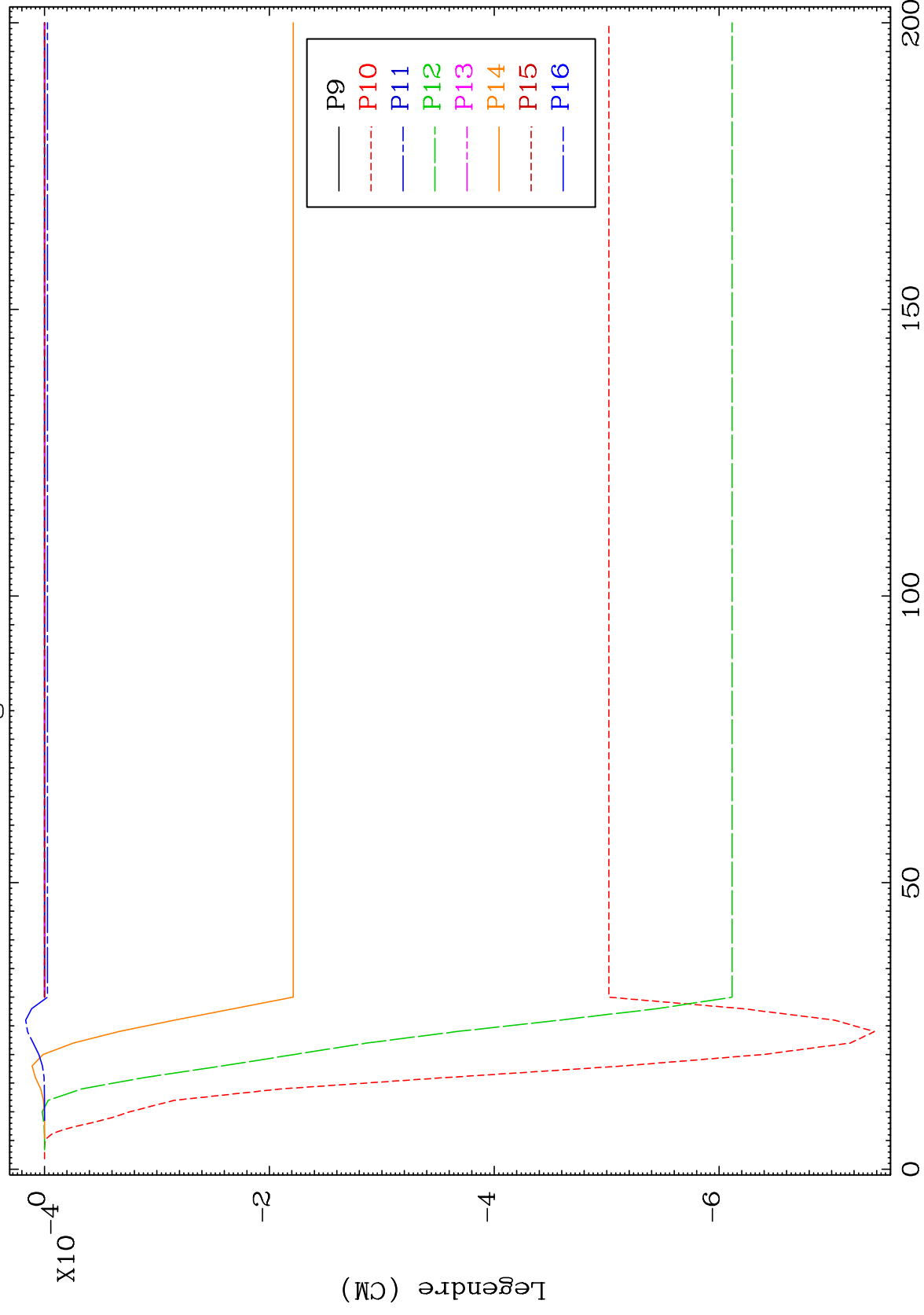
Incident Energy (MeV)

57-La-136

MAT 5719

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

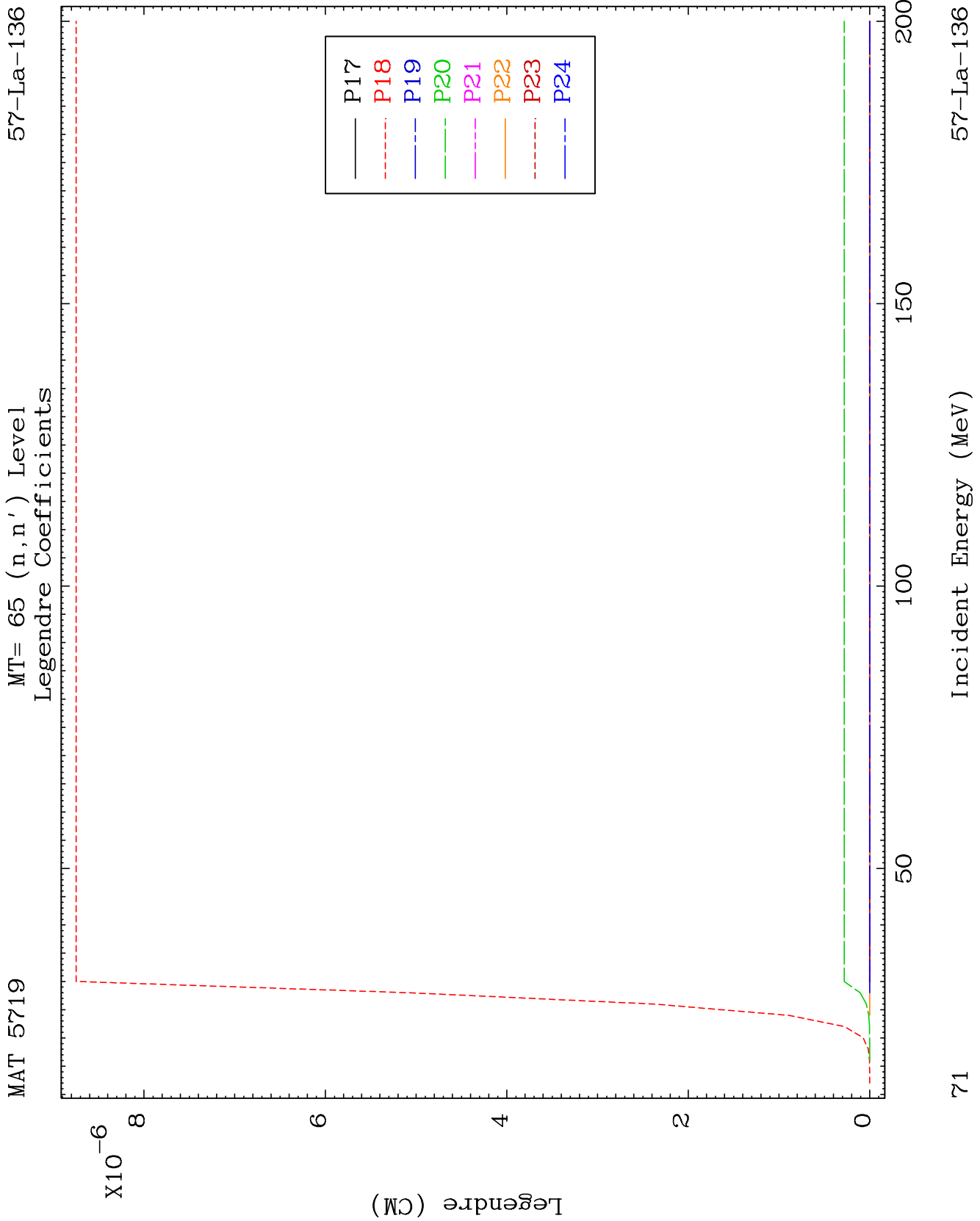
57-La-136



57-La-136

Incident Energy (MeV)

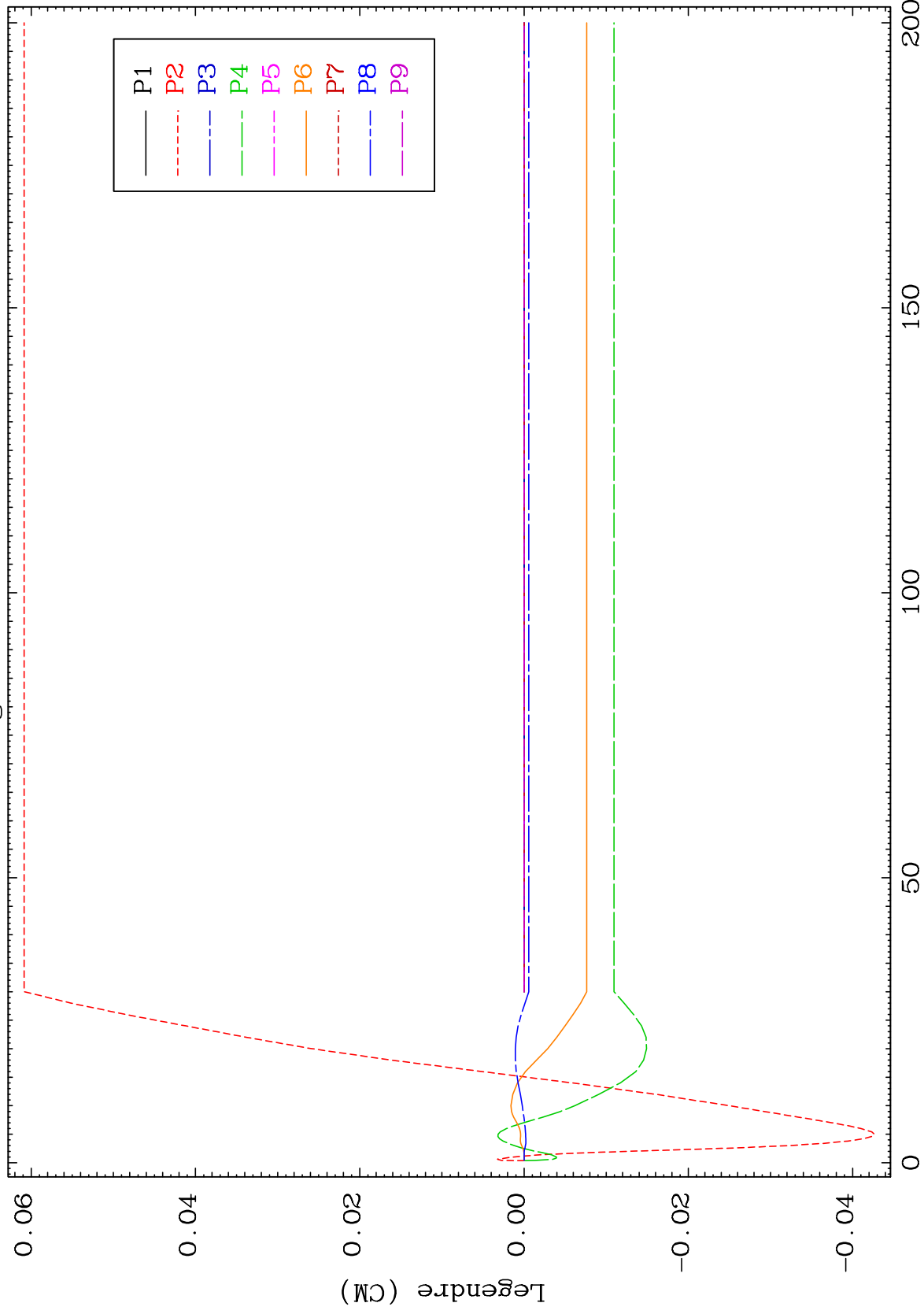
70



MAT 5719

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

57-La-136



57-La-136

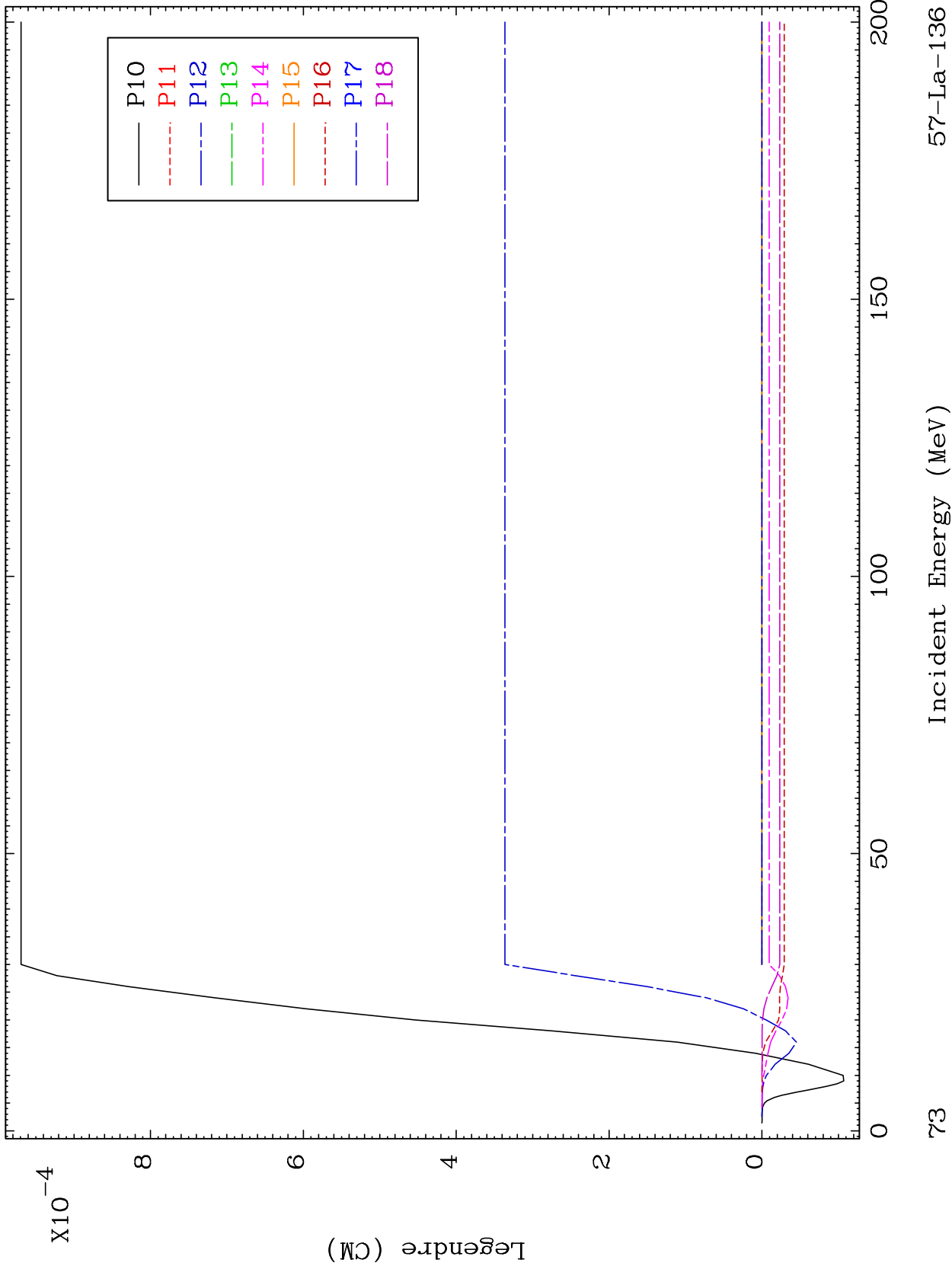
Incident Energy (MeV)

72

MAT 5719

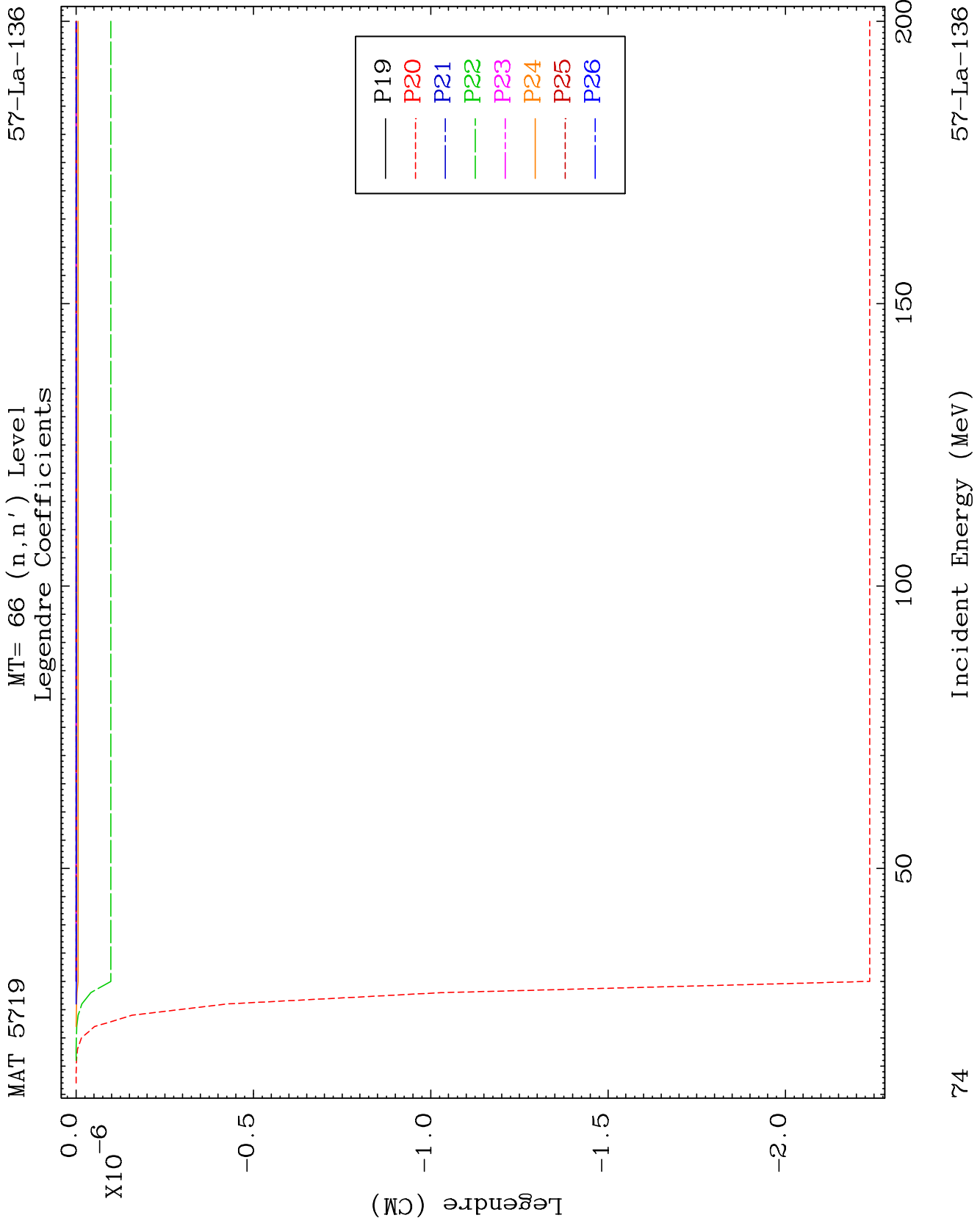
MT= 66 (n,n') Level
Legendre Coefficients

57-La-136



73

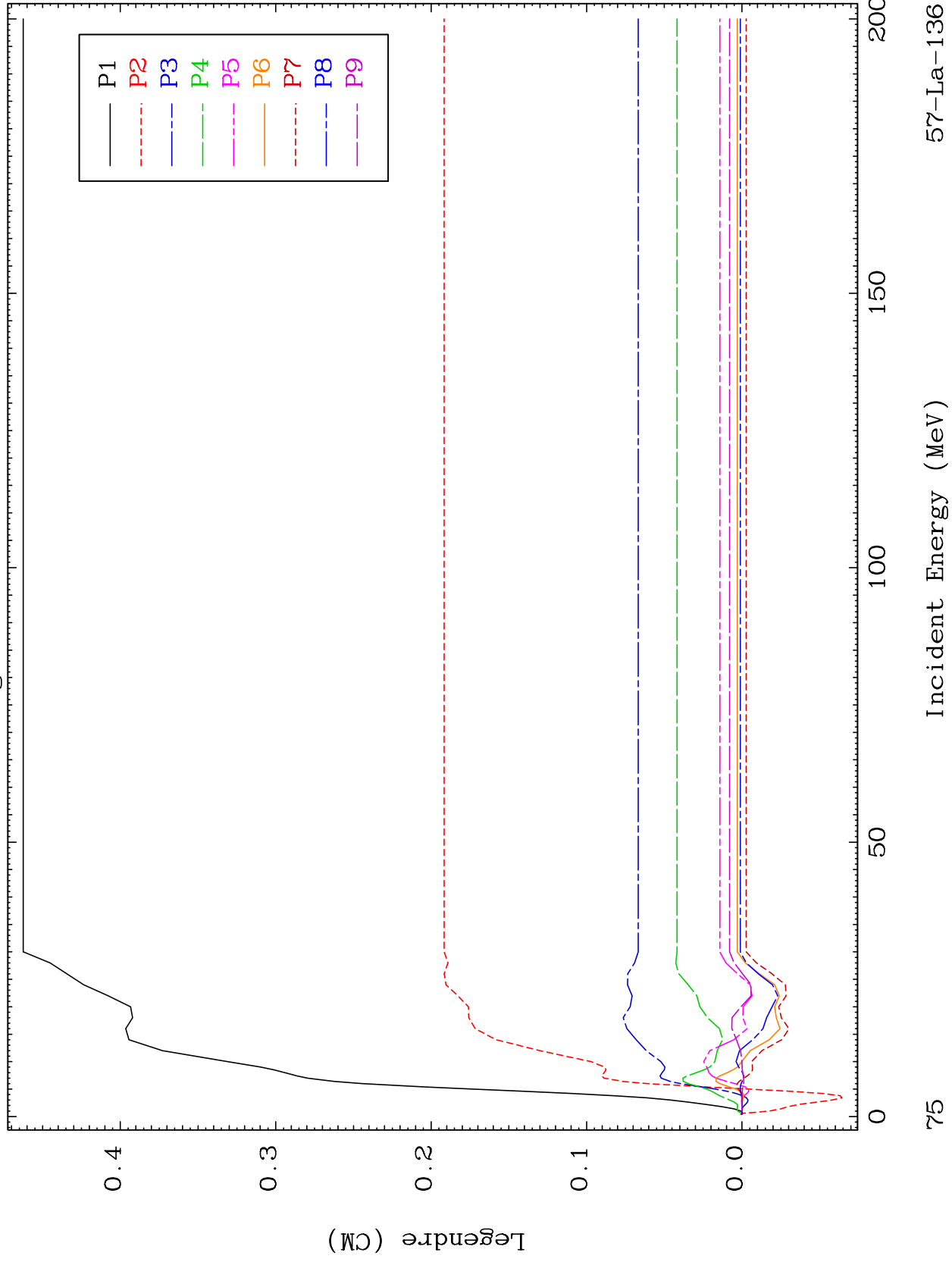
57-La-136



MAT 5719

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

57-La-136



57-La-136

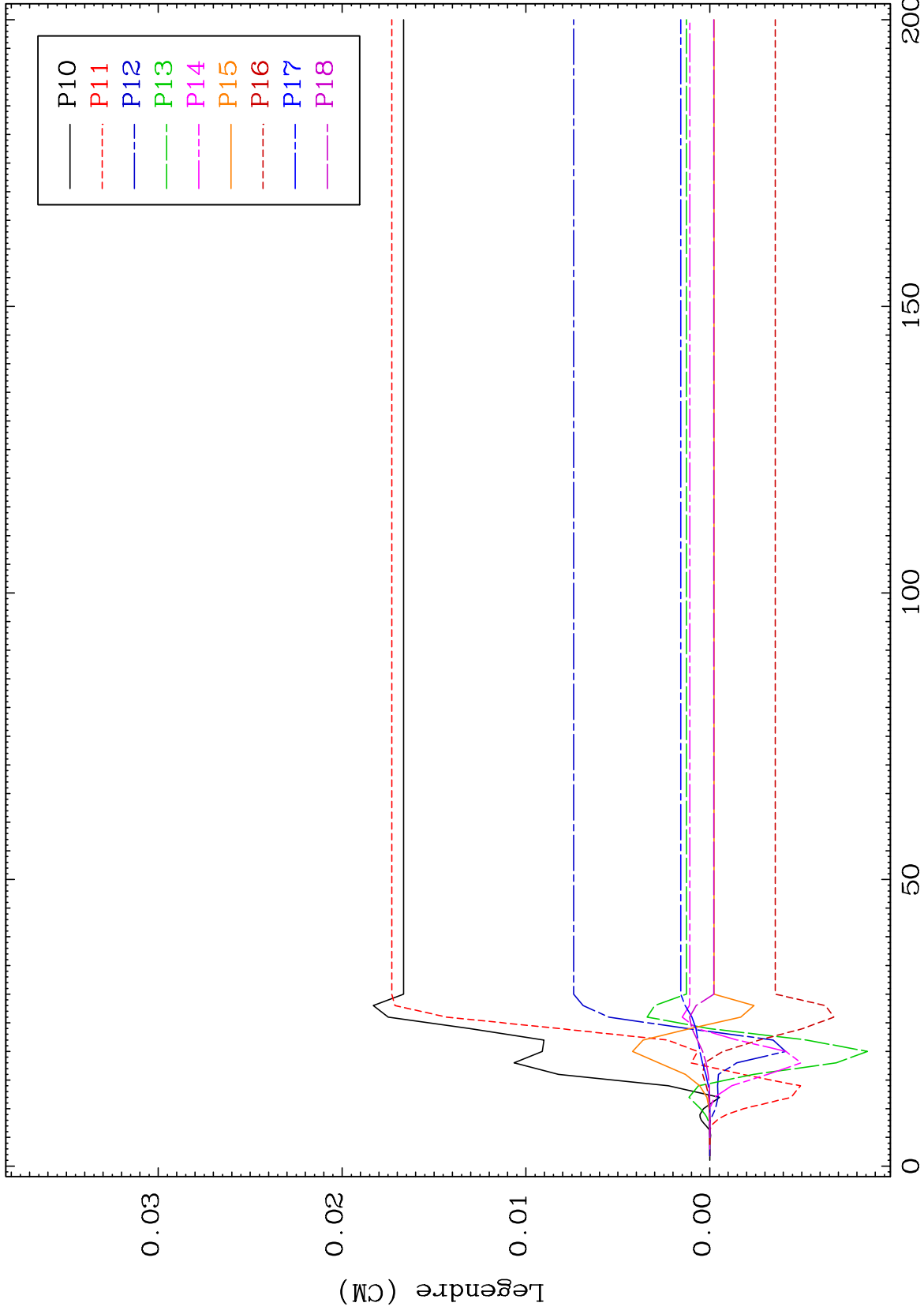
Incident Energy (MeV)

75

MAT 5719

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

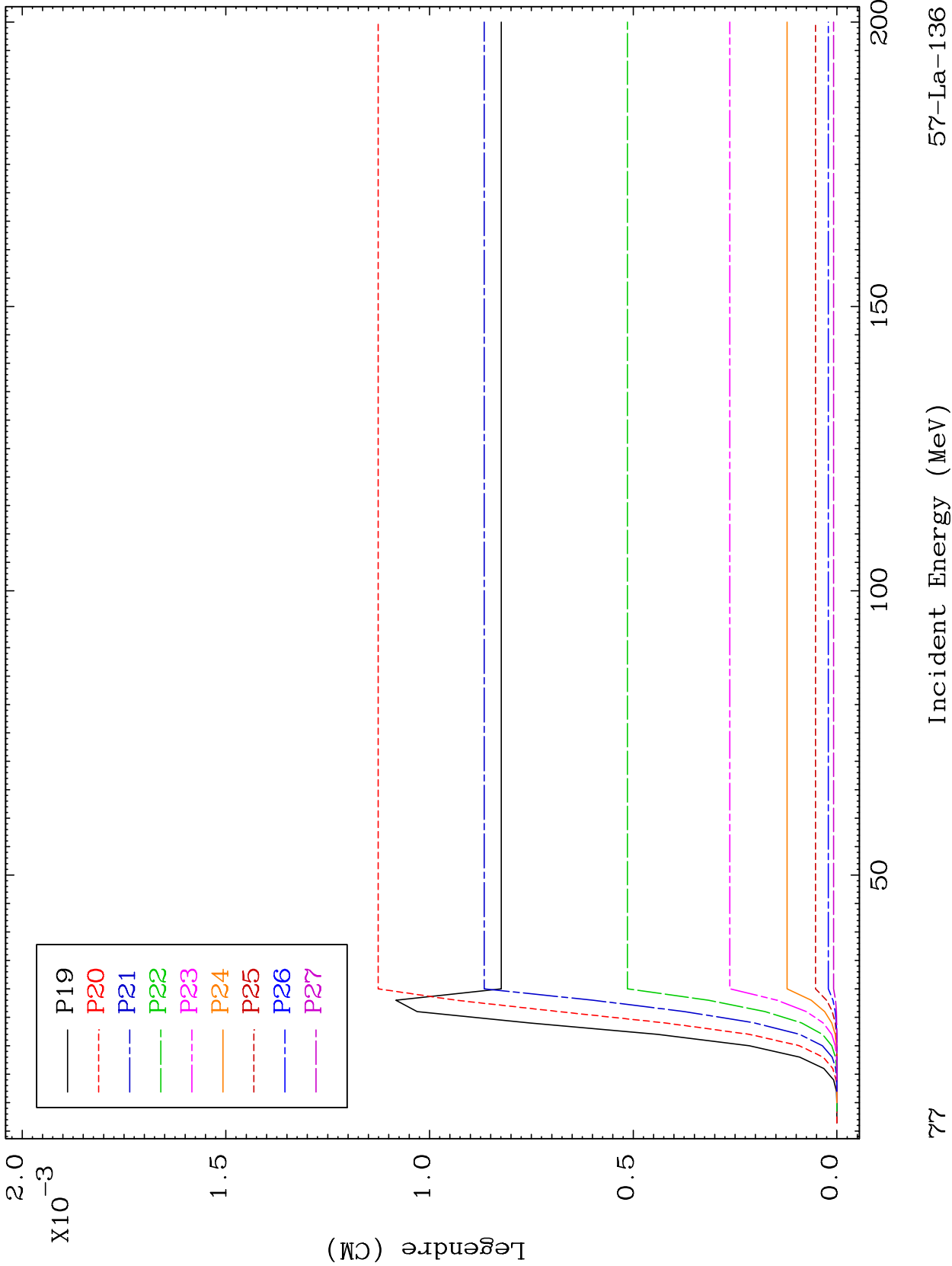
57-La-136



76

Incident Energy (MeV)

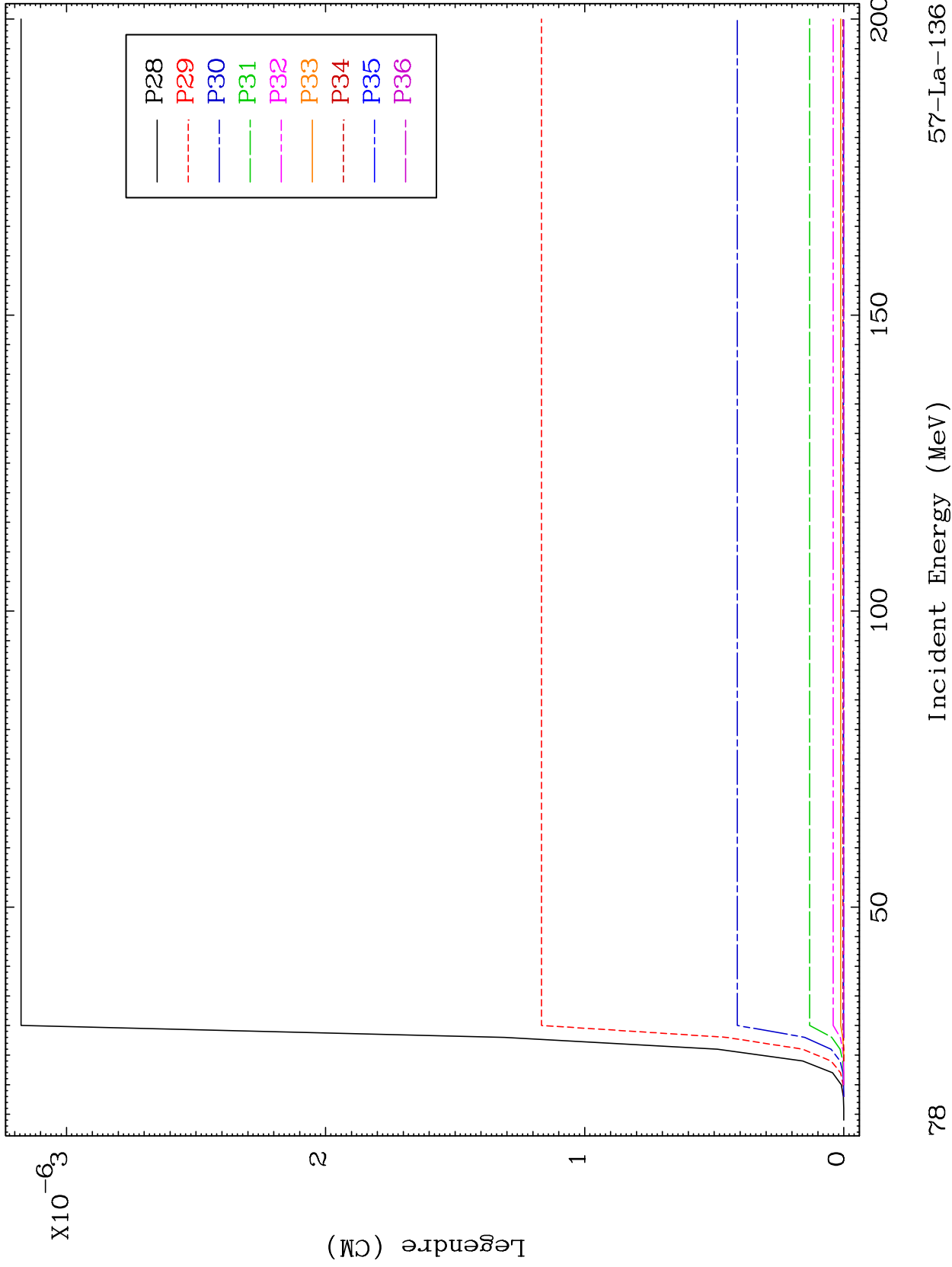
57-La-136



MAT 5719

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

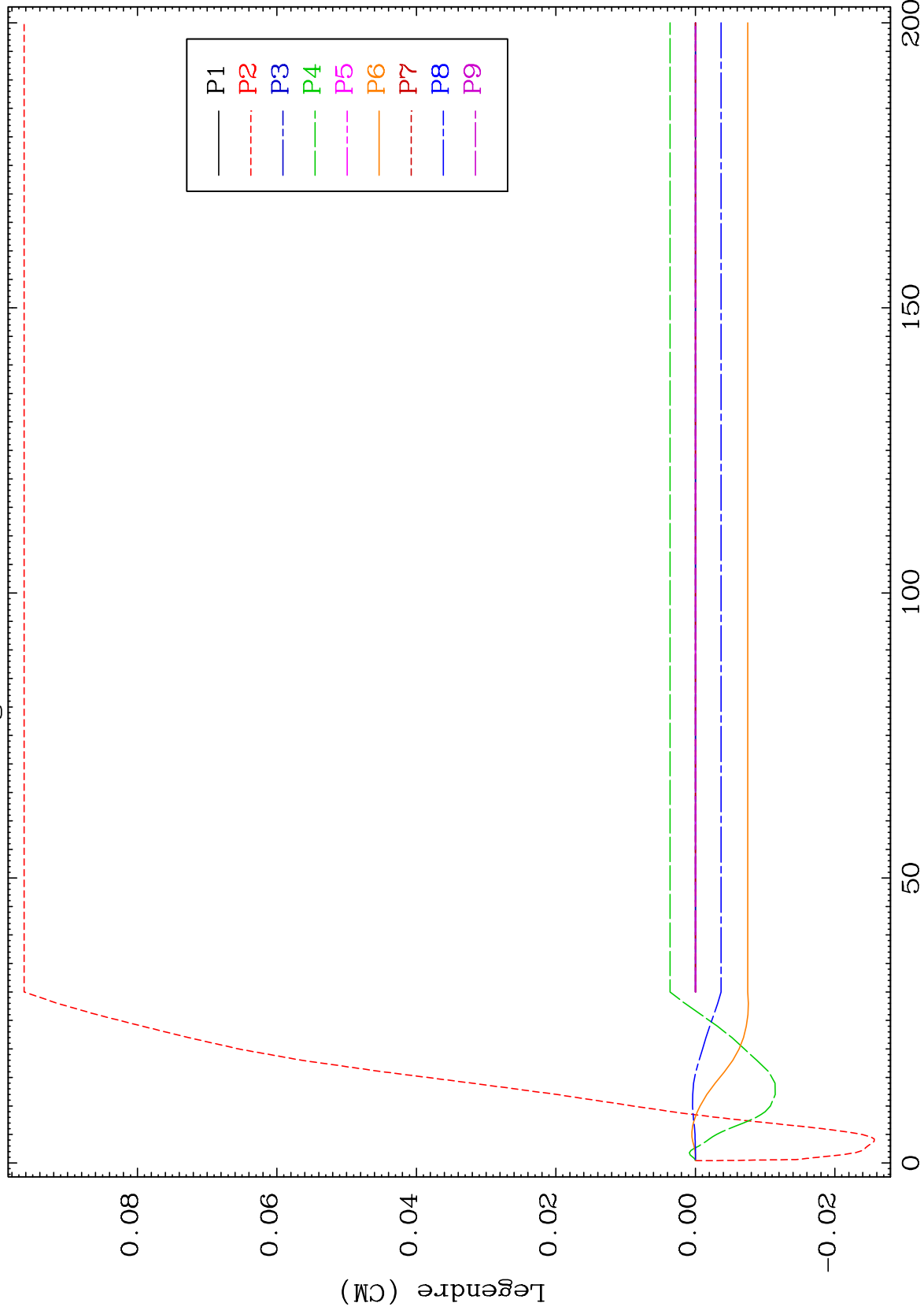
57-La-136



MAT 5719

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

57-La-136



79

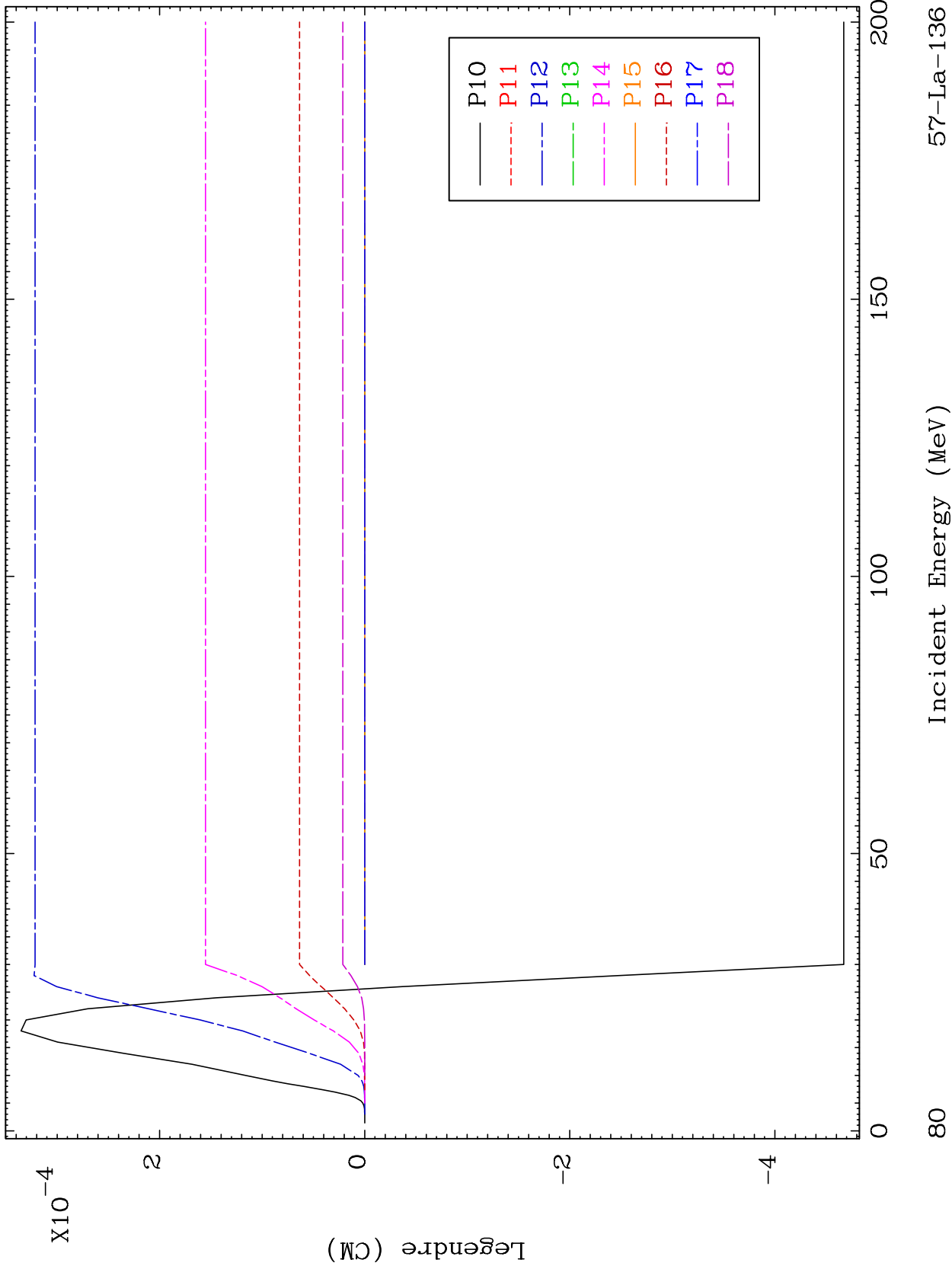
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



57-La-136

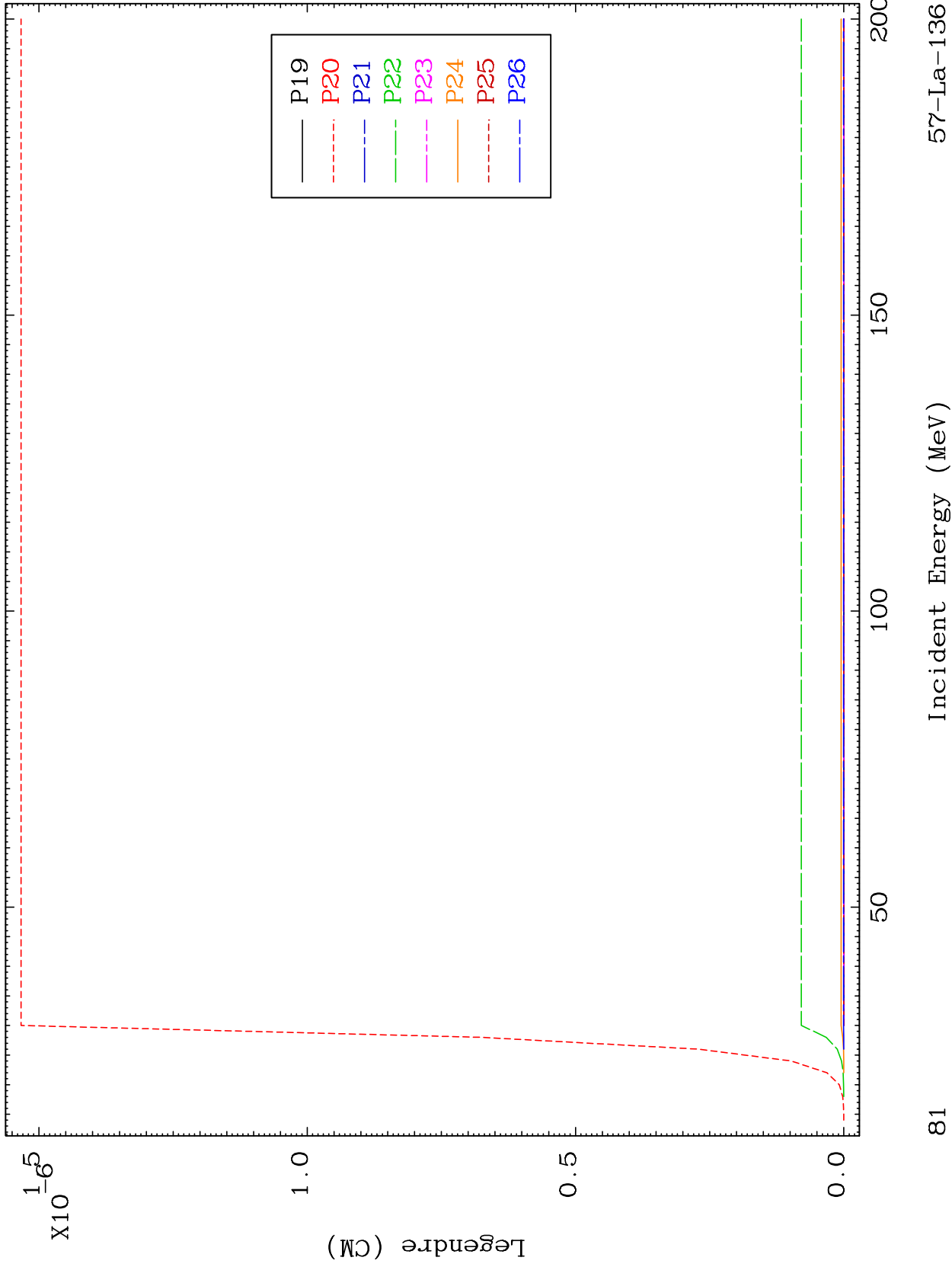
Incident Energy (MeV)

80

MAT 5719

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

57-La-136



81

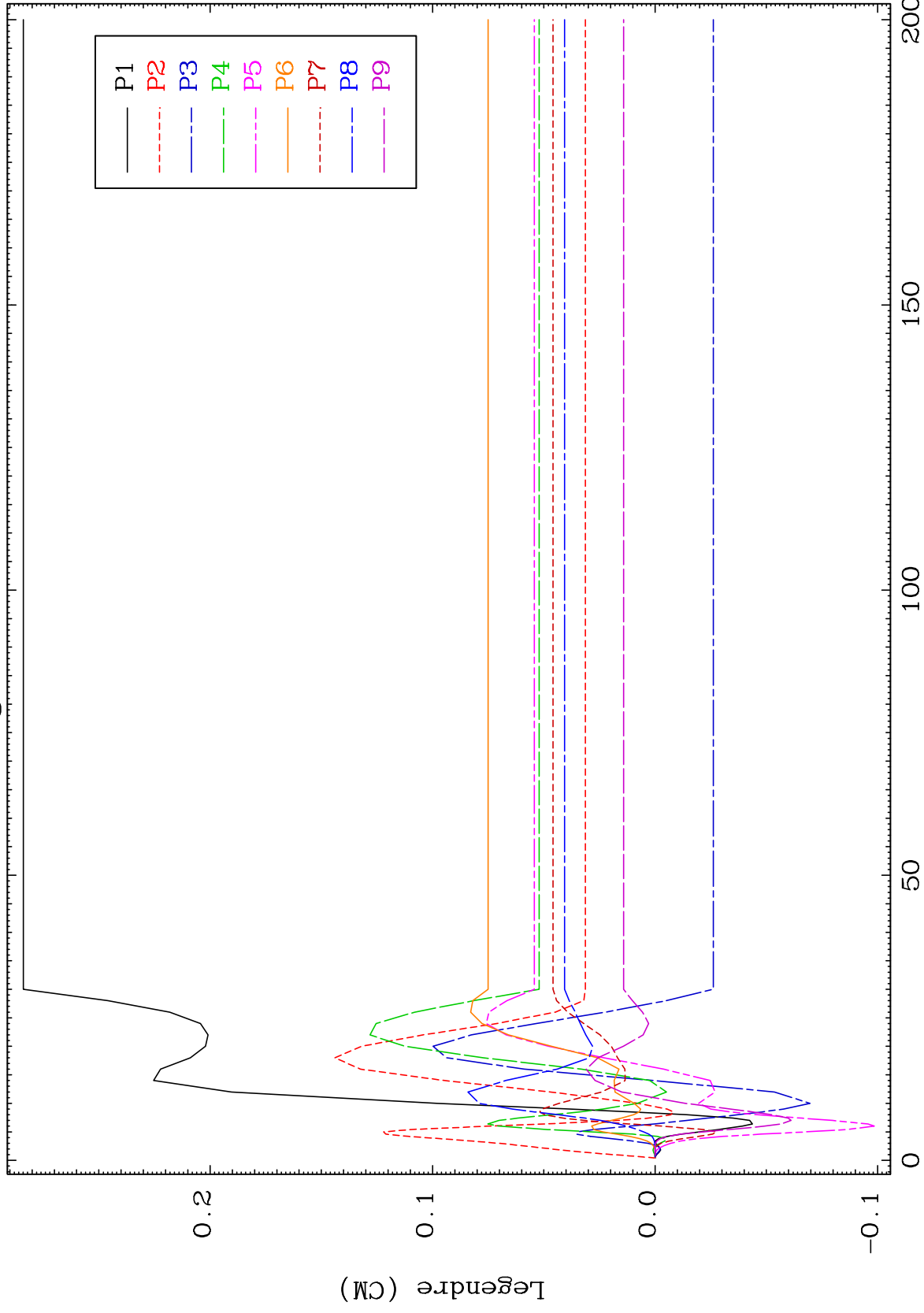
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



82

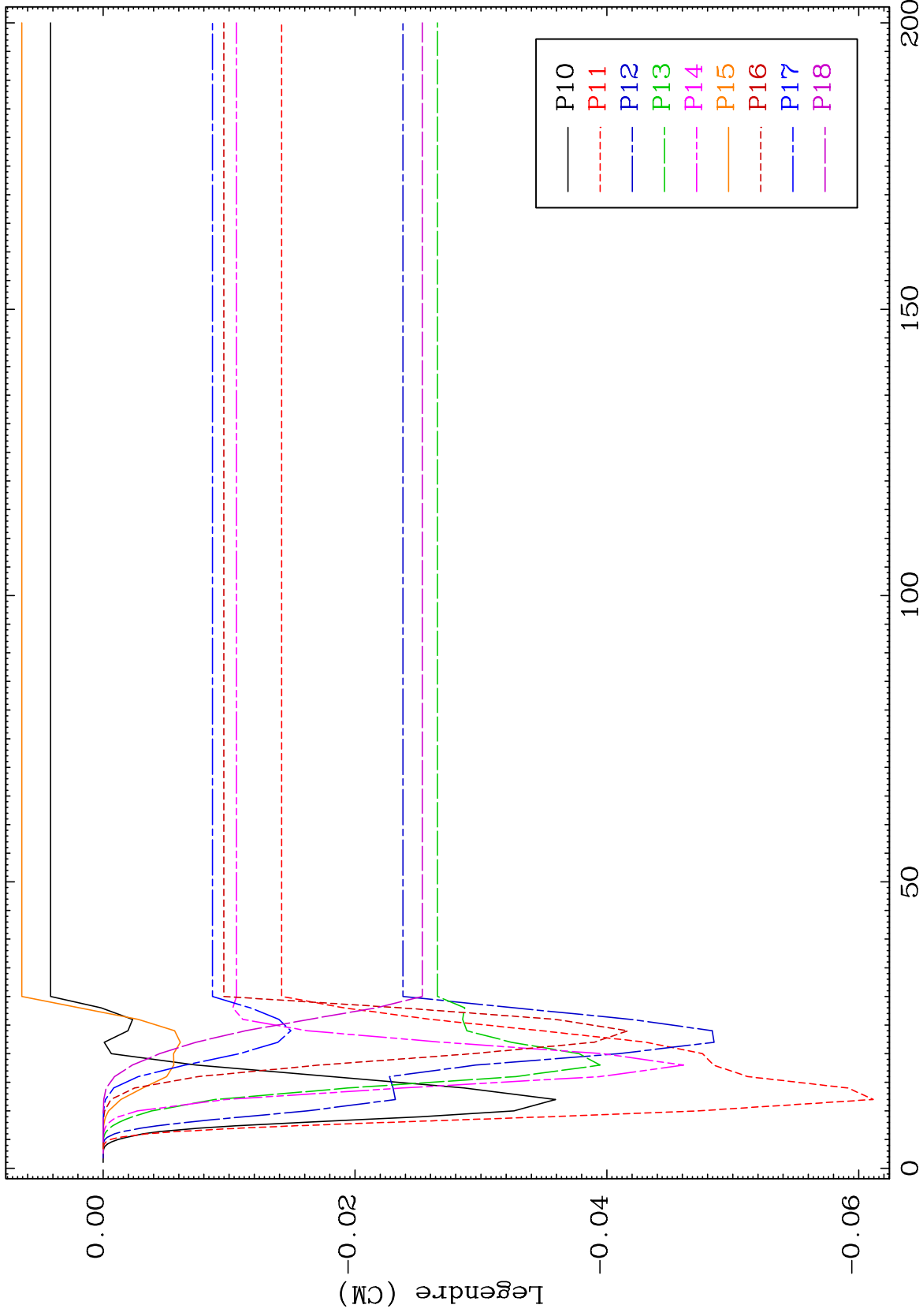
Incident Energy (MeV)

57-La-136

MAT 5719

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

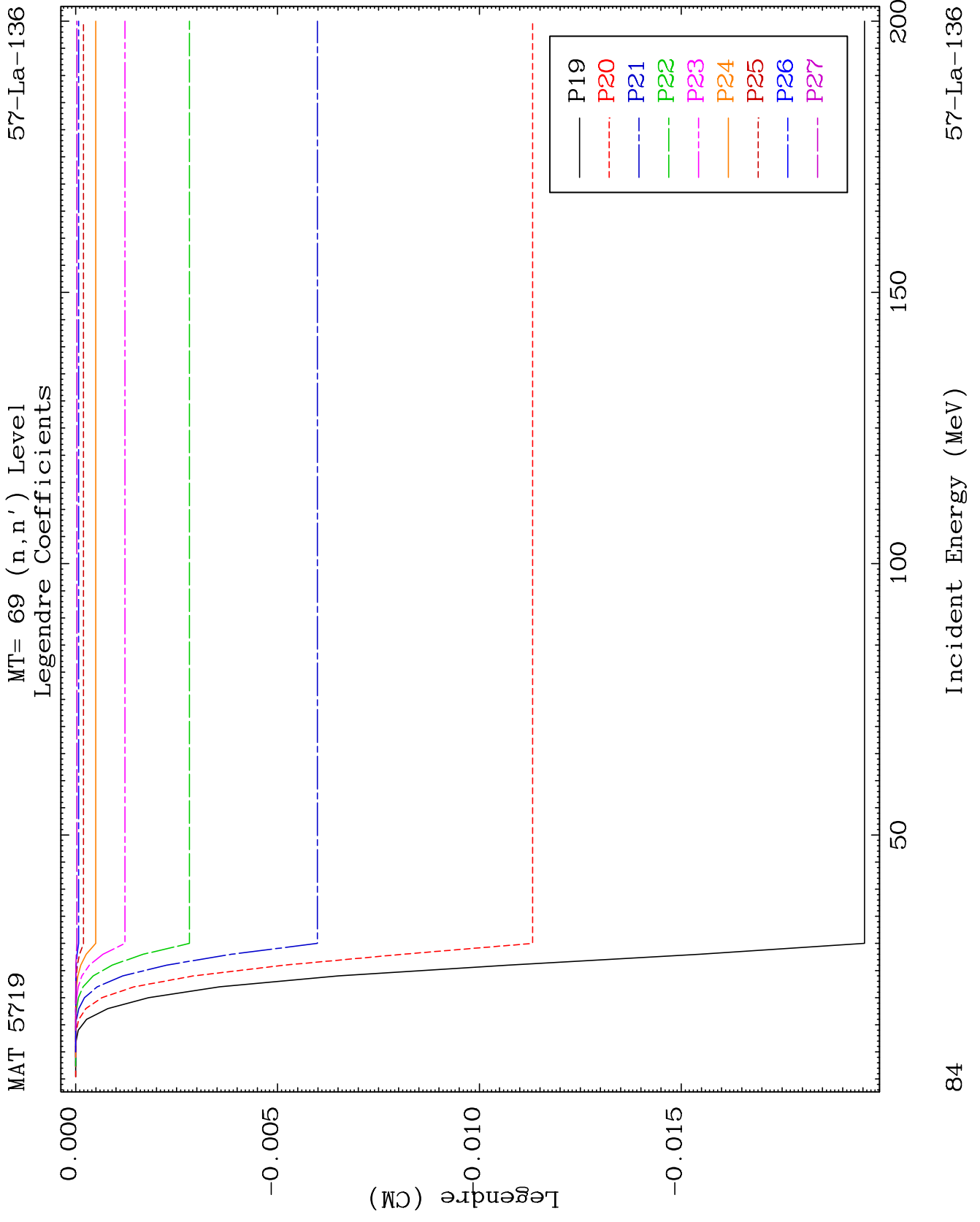
57-La-136

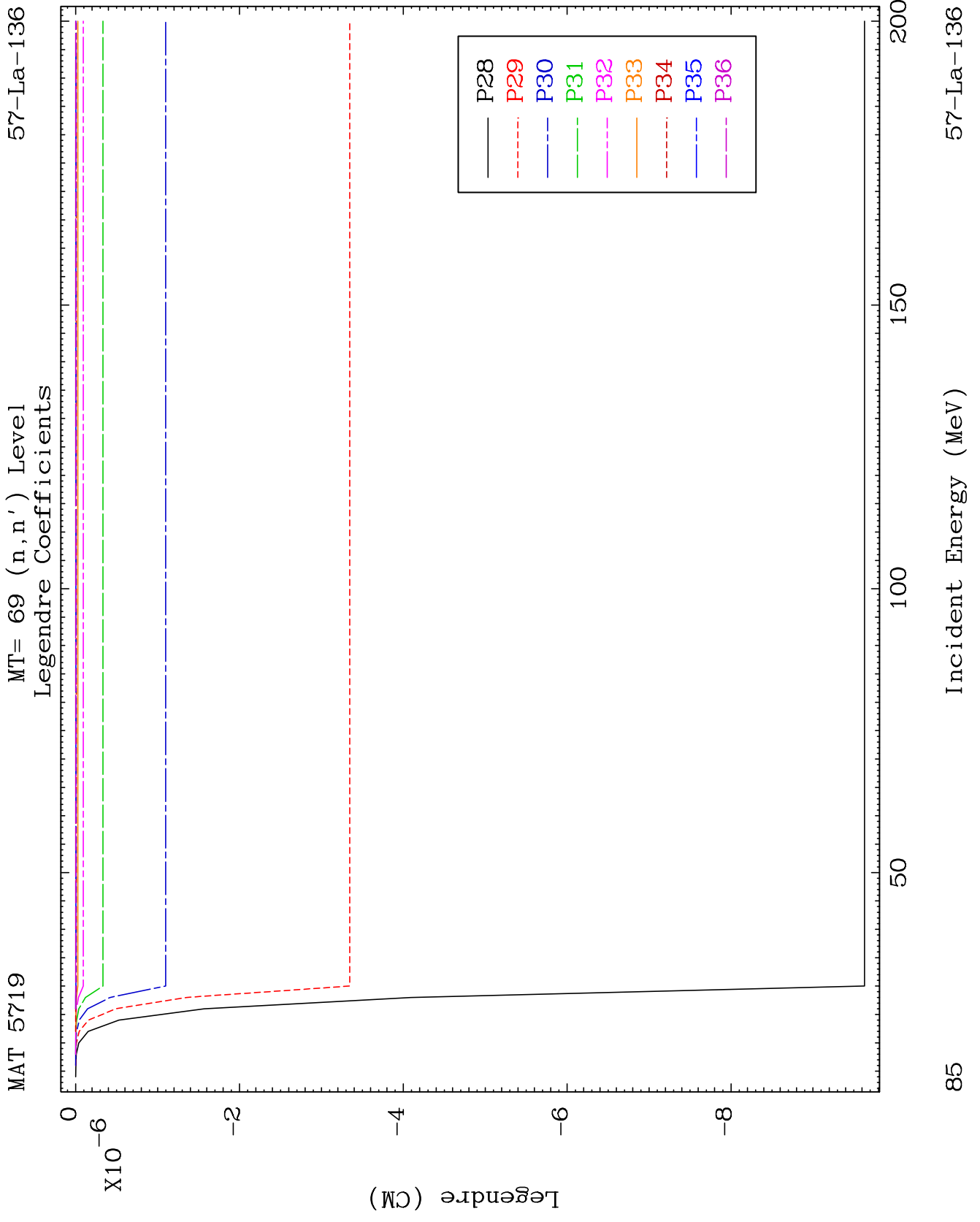


83

Incident Energy (MeV)

57-La-136

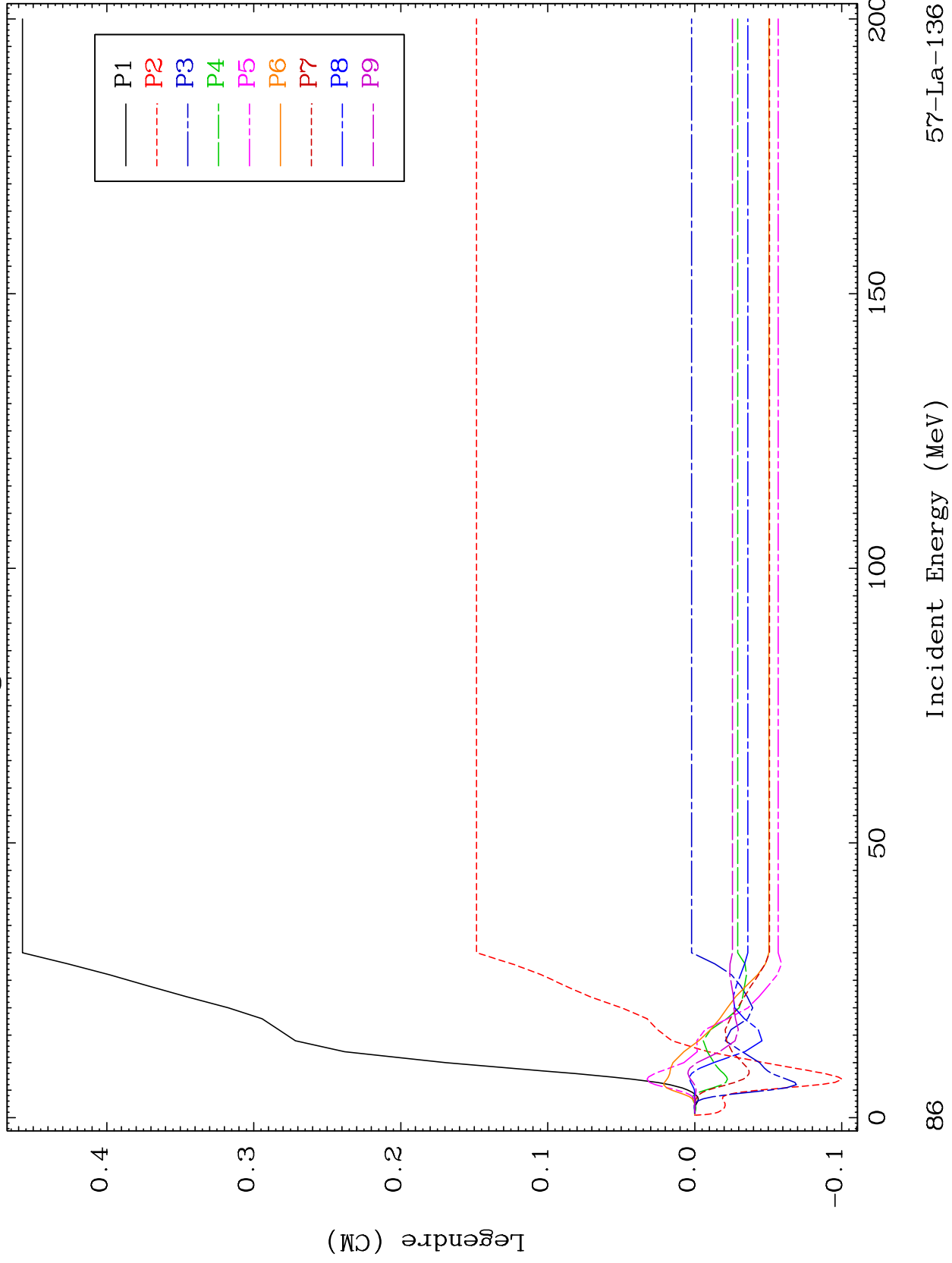




MAT 5719

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

57-La-136



86

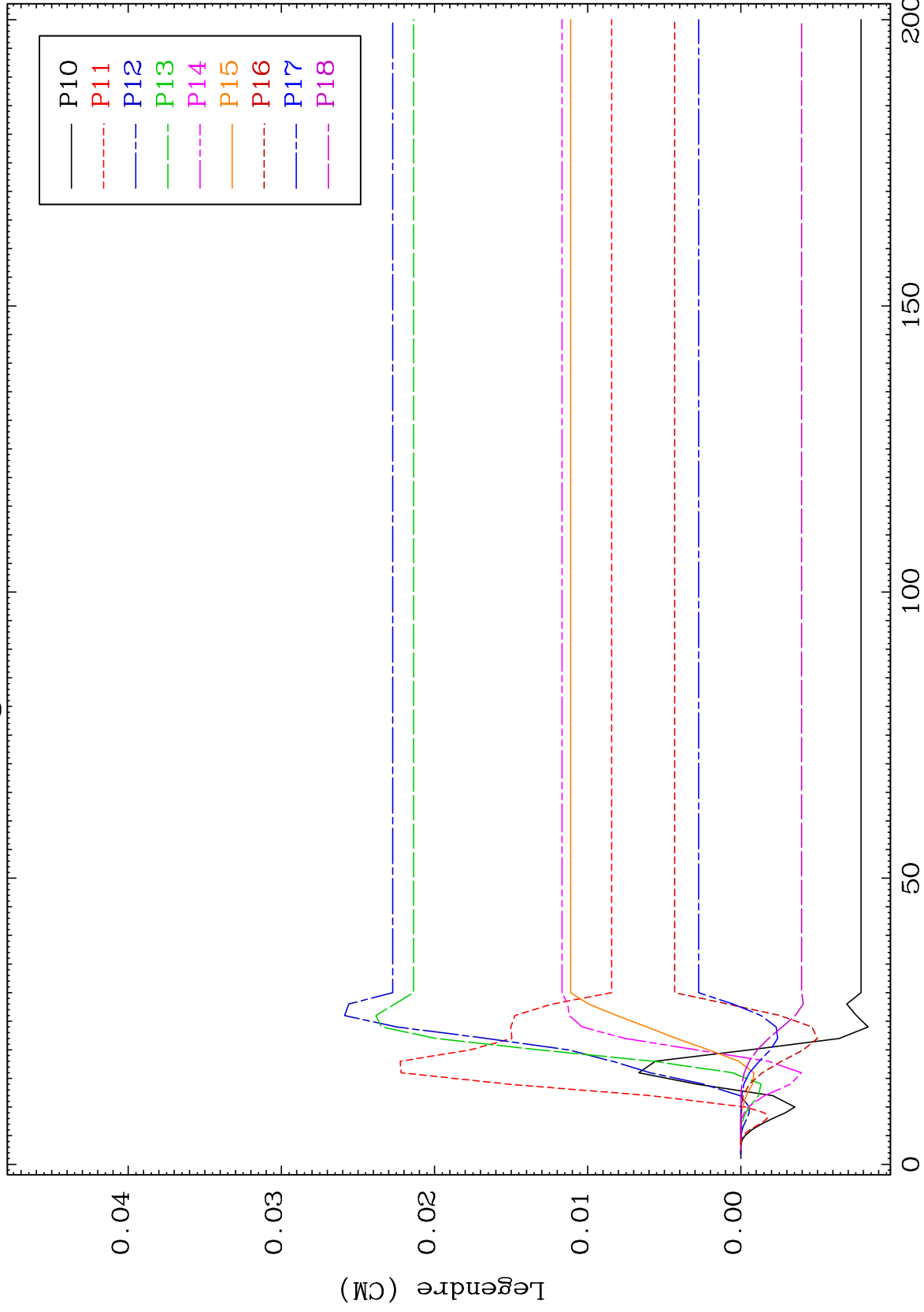
Incident Energy (MeV)

57-La-136

MAT 5719

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

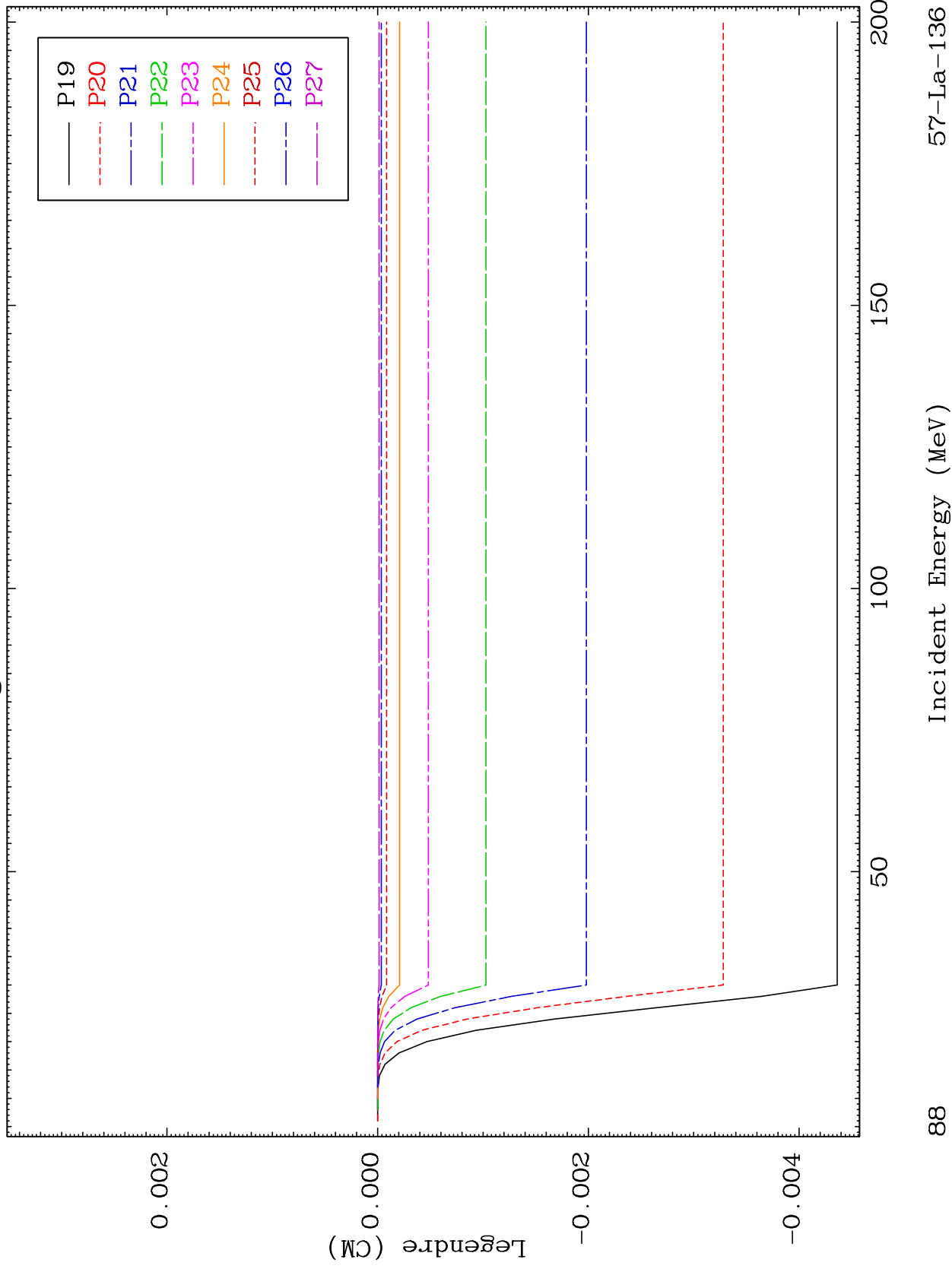
57-La-136

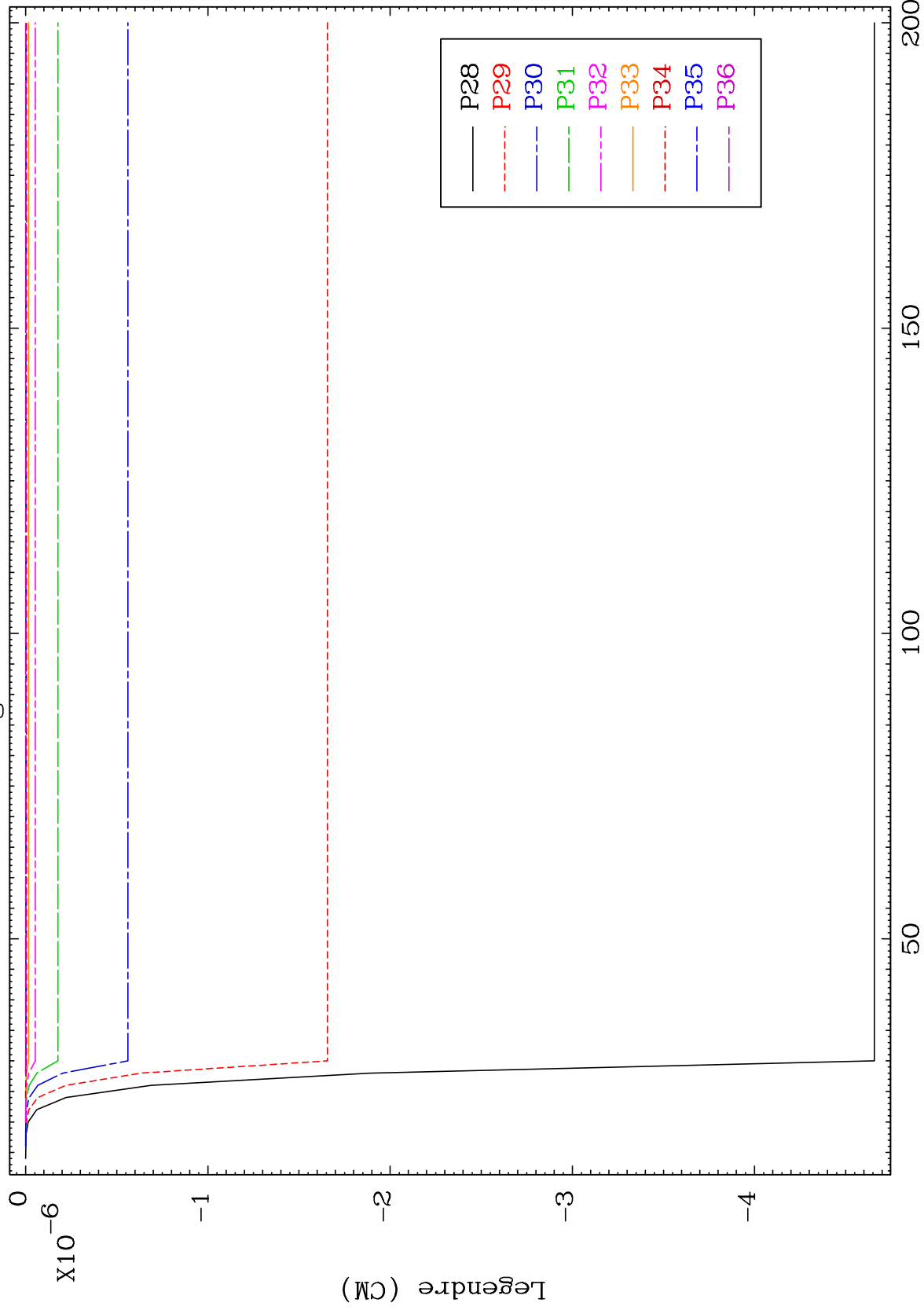


87

Incident Energy (MeV)

57-La-136

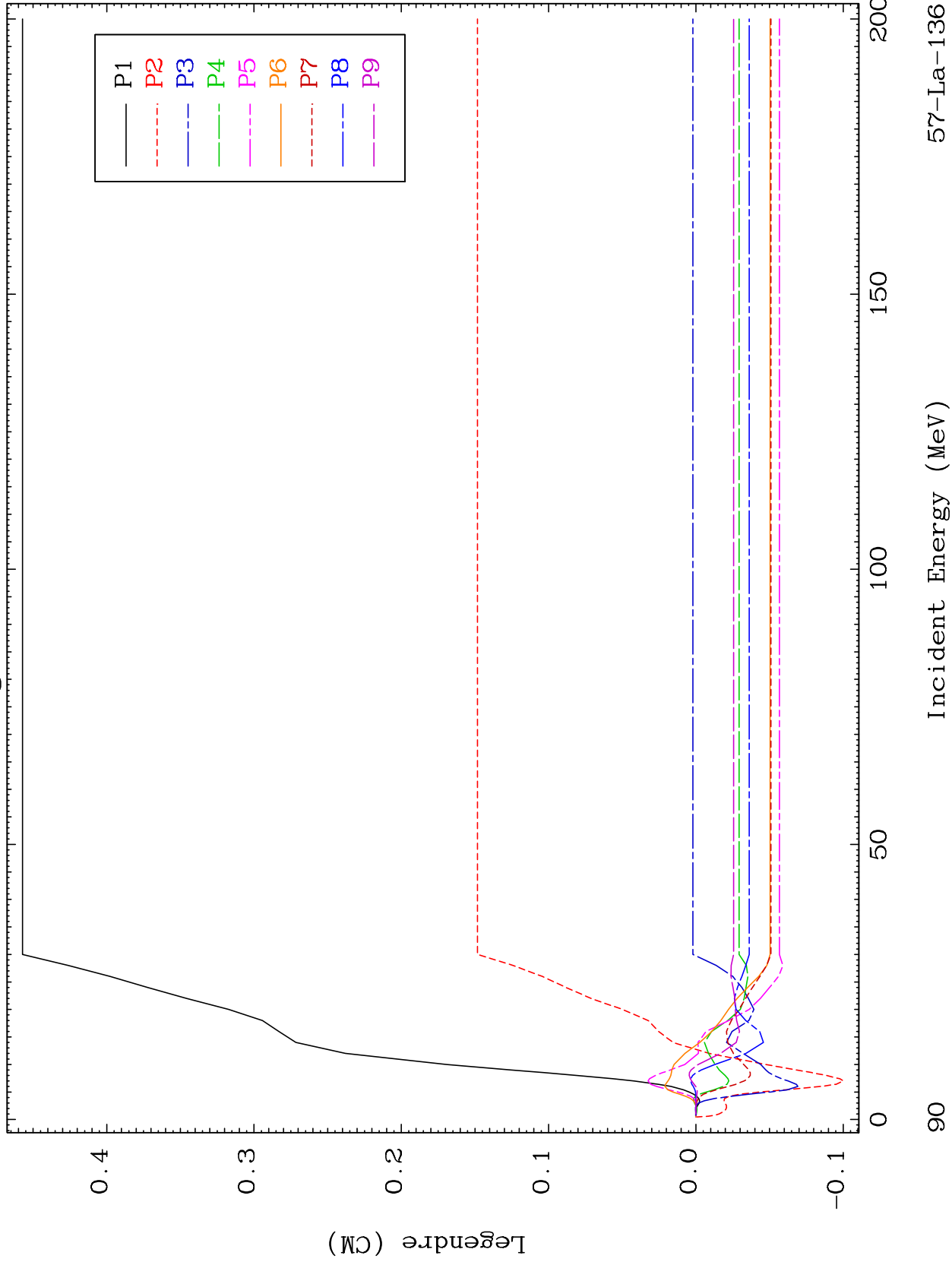




MAT 5719

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

57-La-136



57-La-136

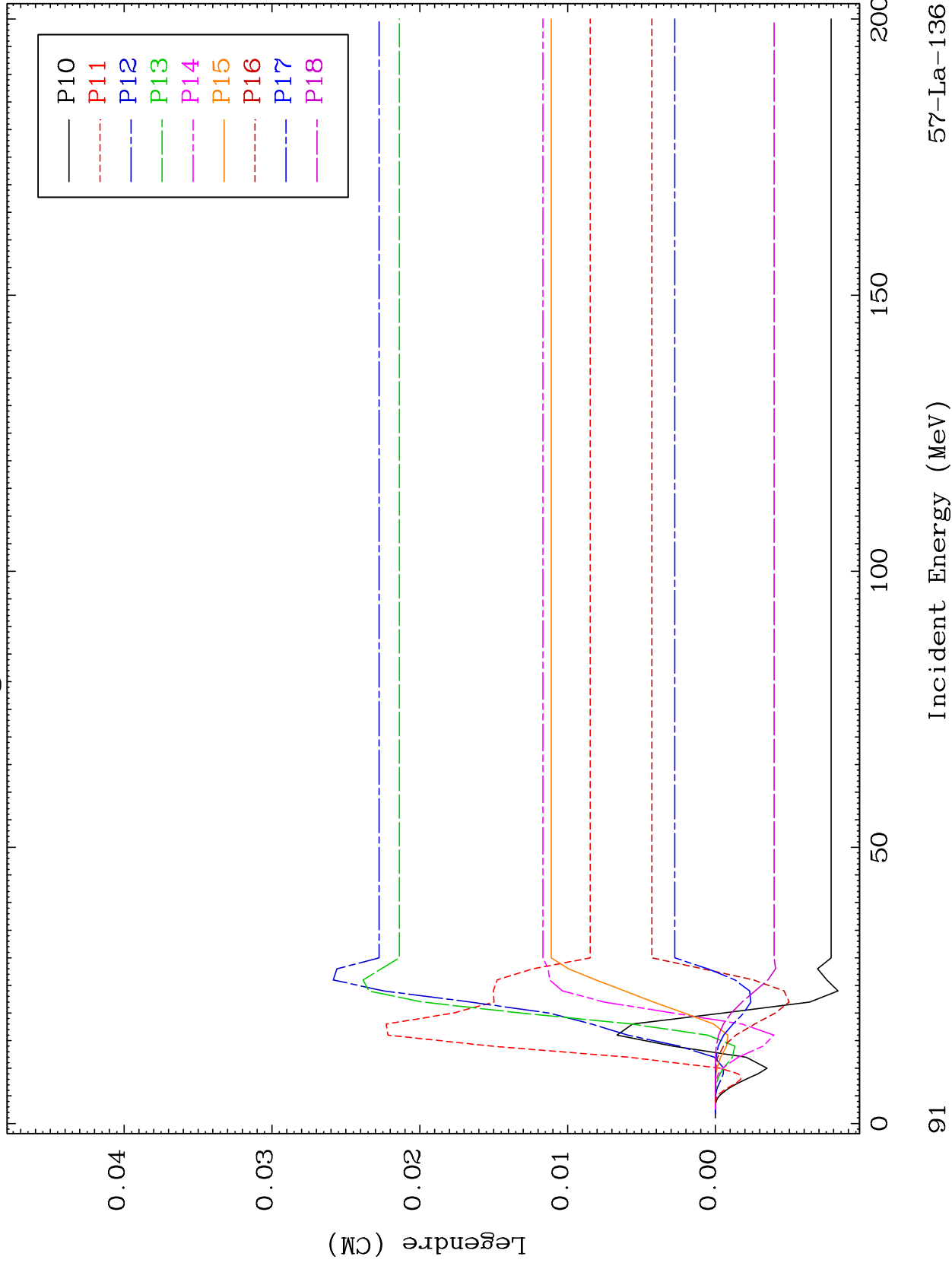
Incident Energy (MeV)

90

MAT 5719

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

57-La-136



57-La-136

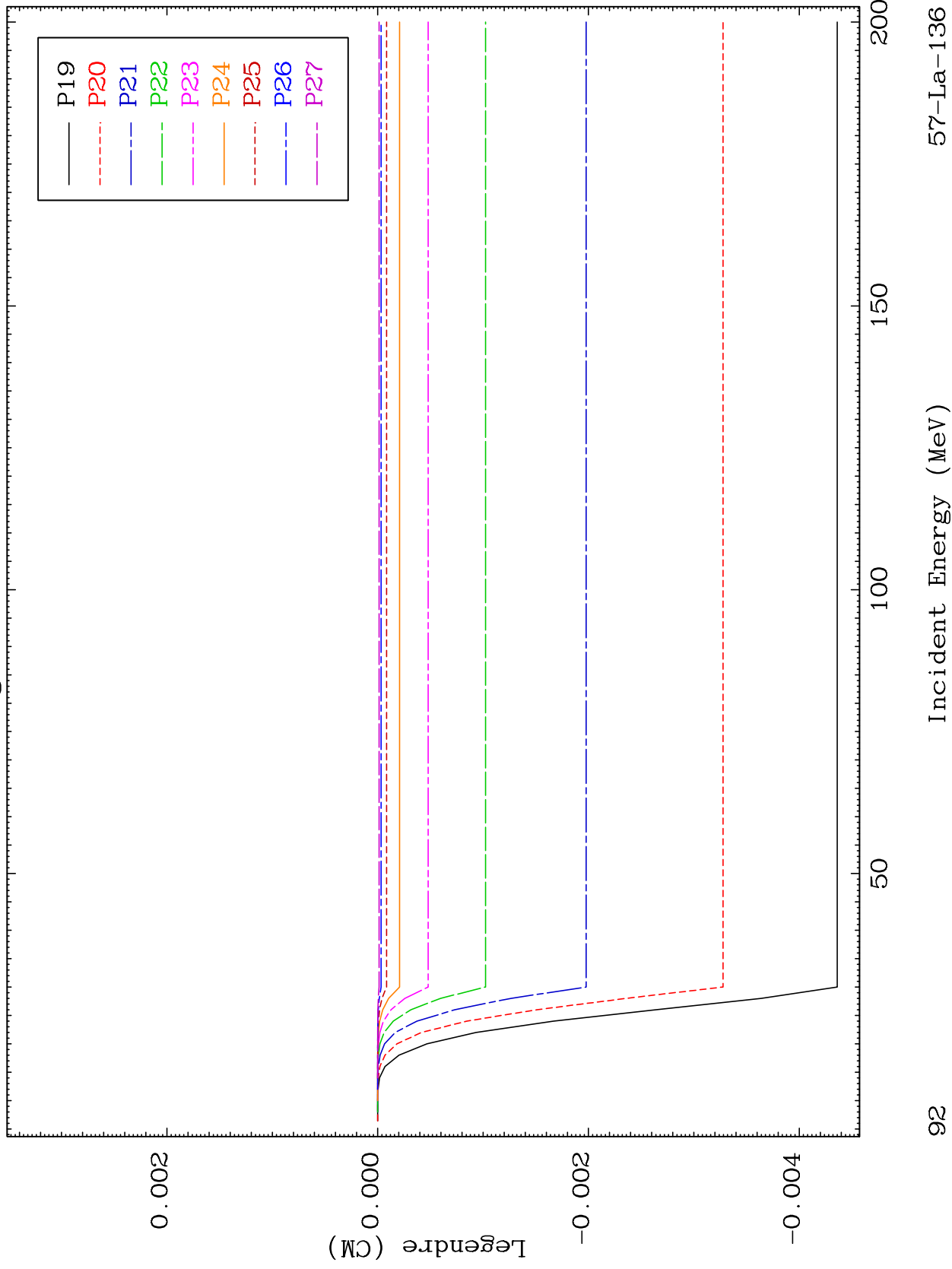
Incident Energy (MeV)

91

MAT 5719

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

57-La-136



92

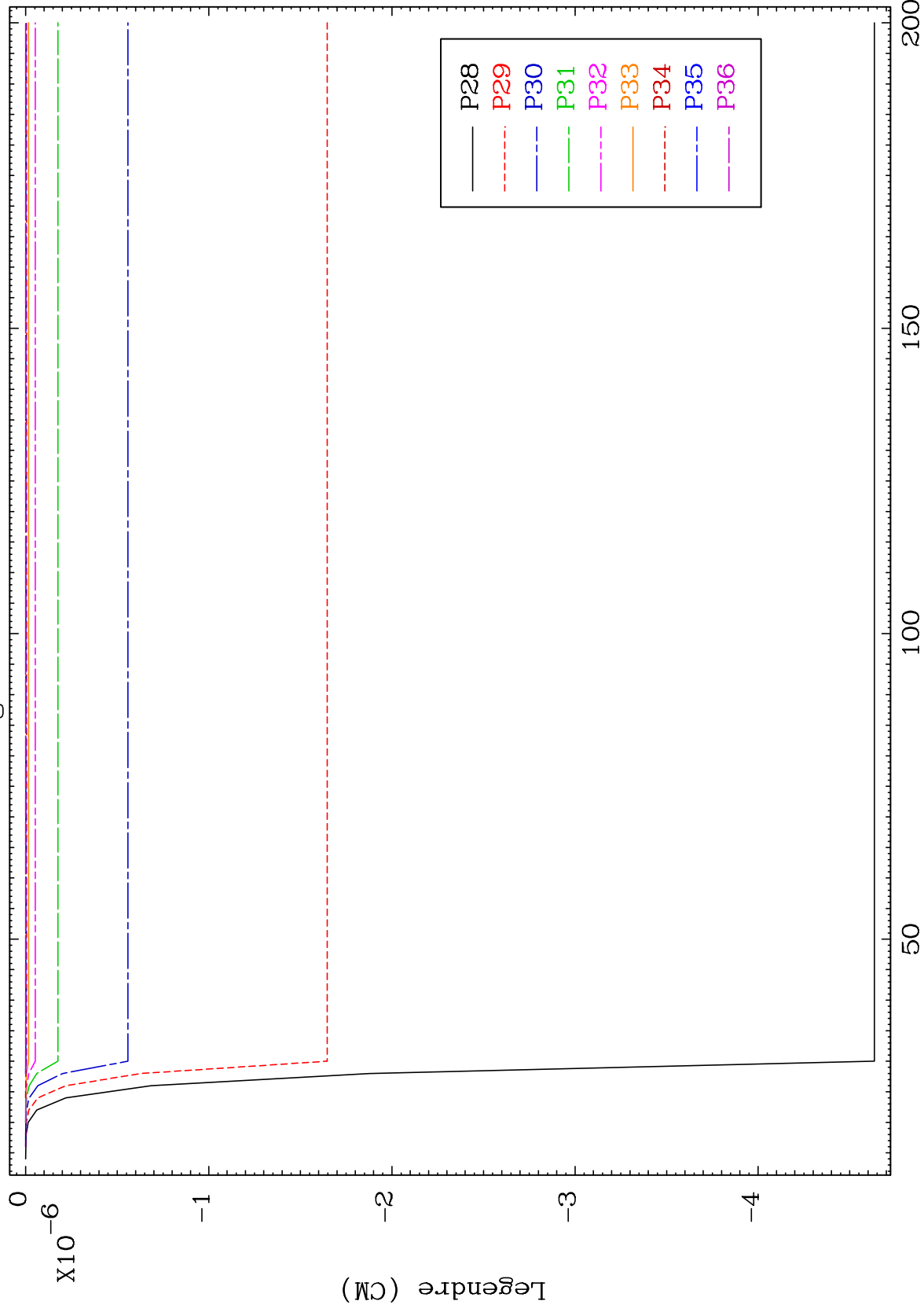
Incident Energy (MeV)

57-La-136

MAT 5719

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

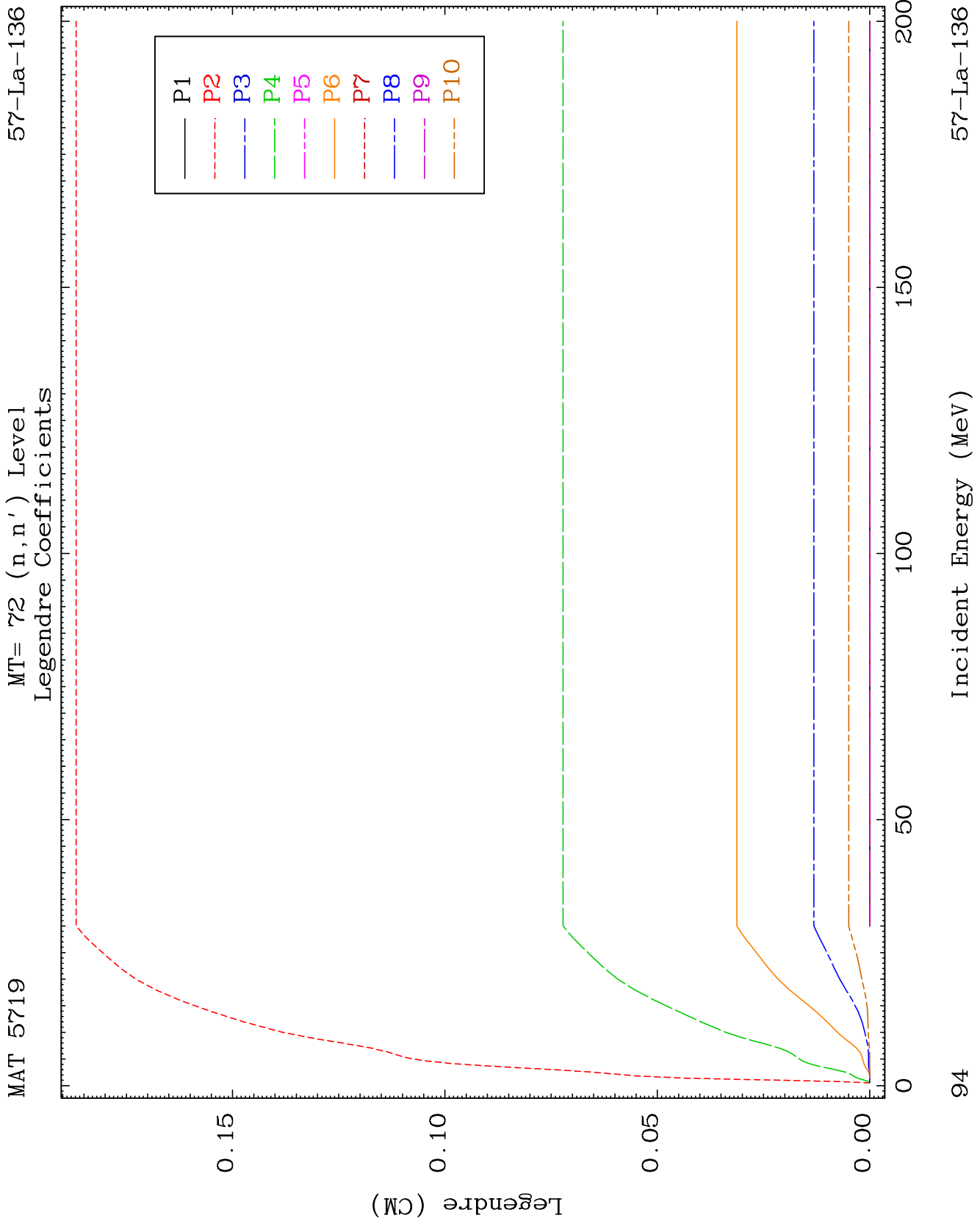
57-La-136



93

Incident Energy (MeV)

57-La-136



57-La-136

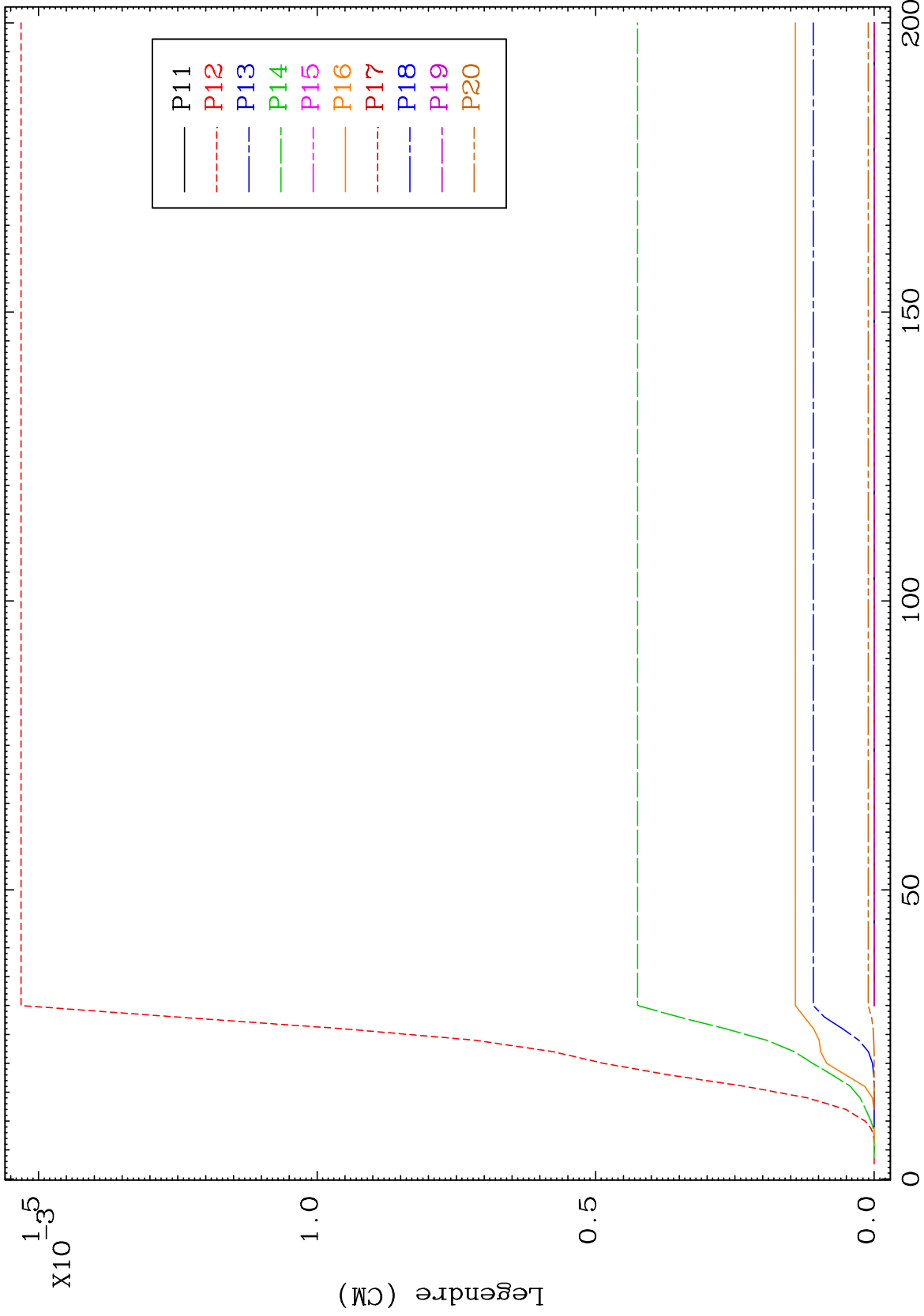
Incident Energy (MeV)

94

MAT 5719

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

57-La-136



95

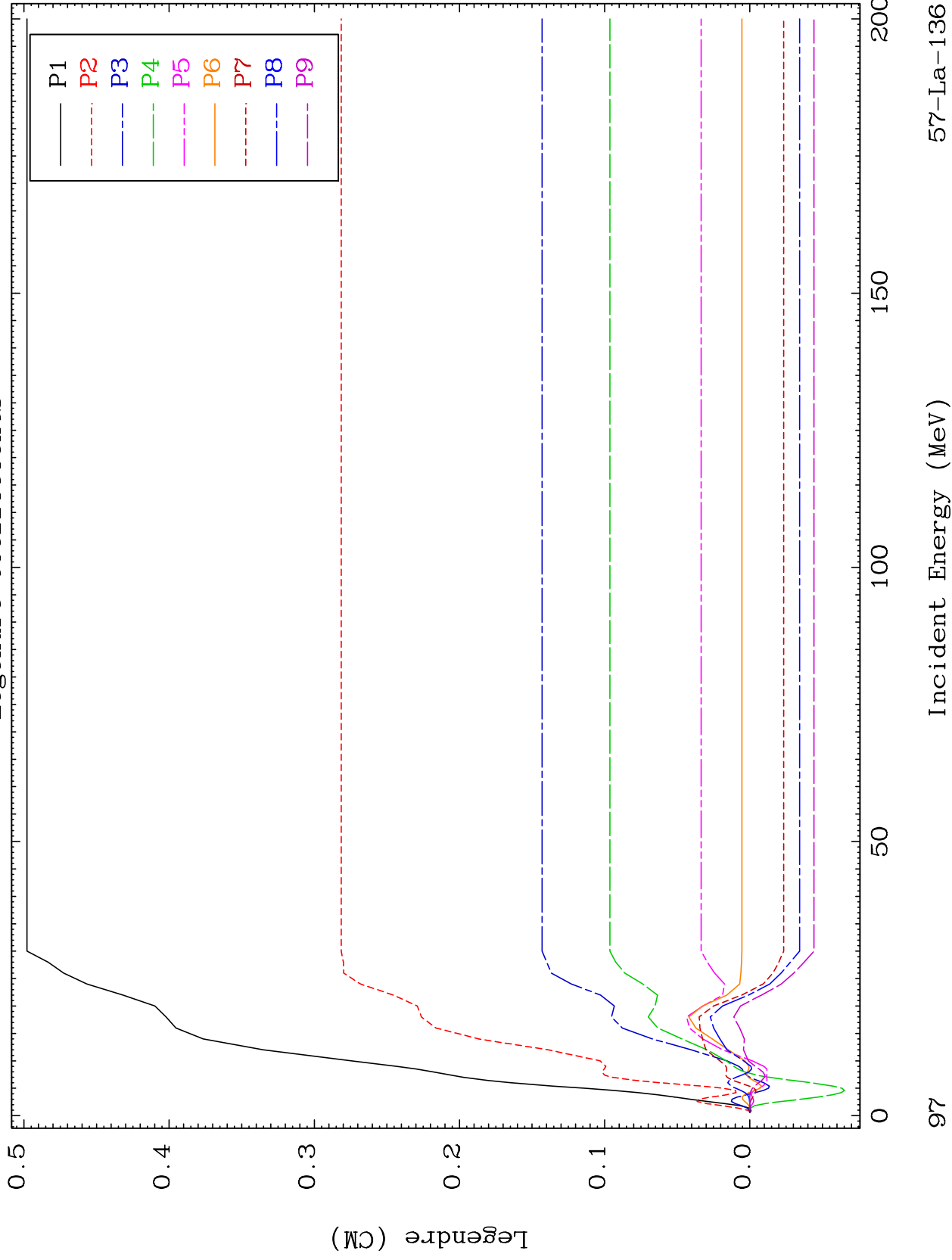
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



57-La-136

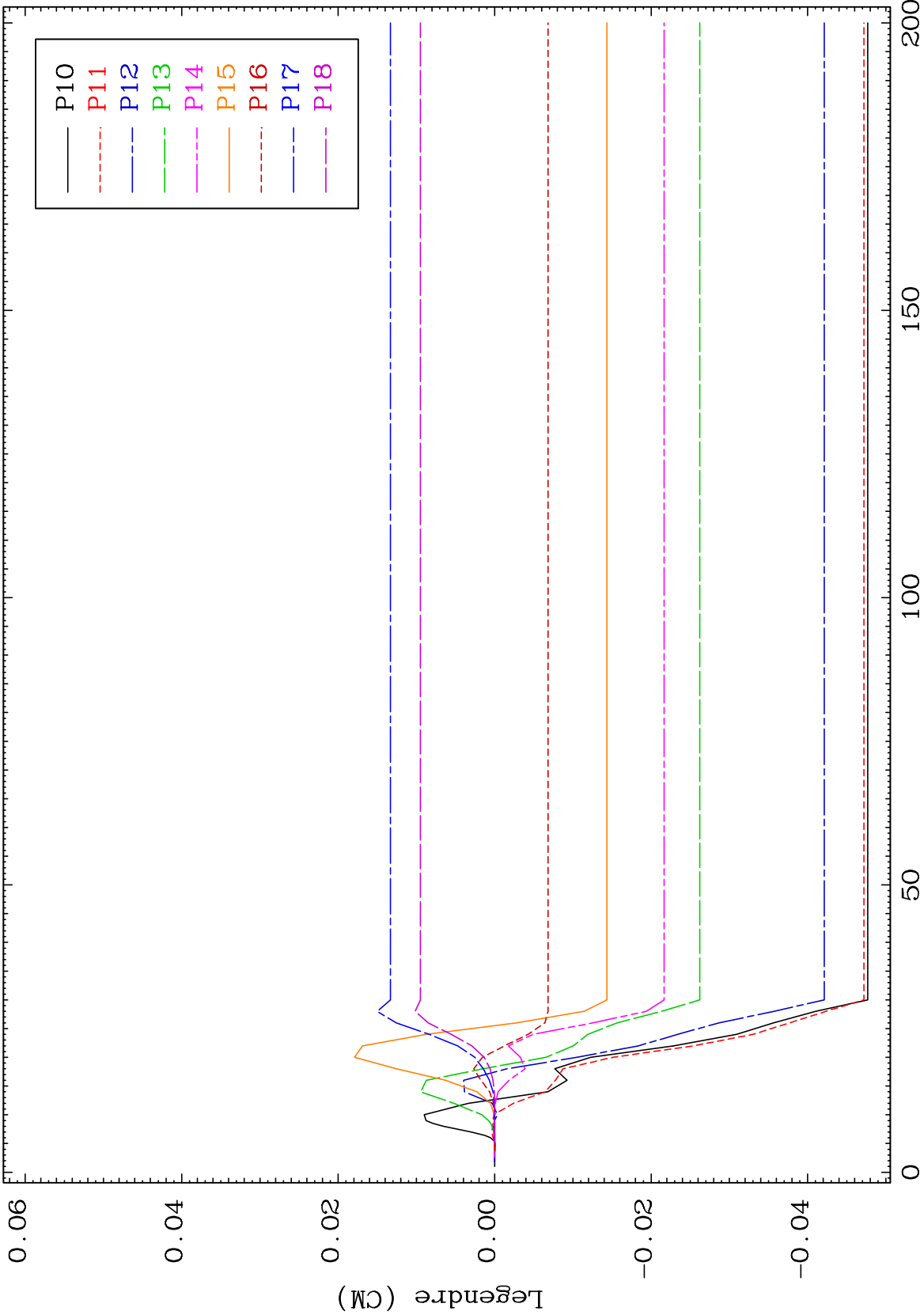
Incident Energy (MeV)

97

MAT 5719

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

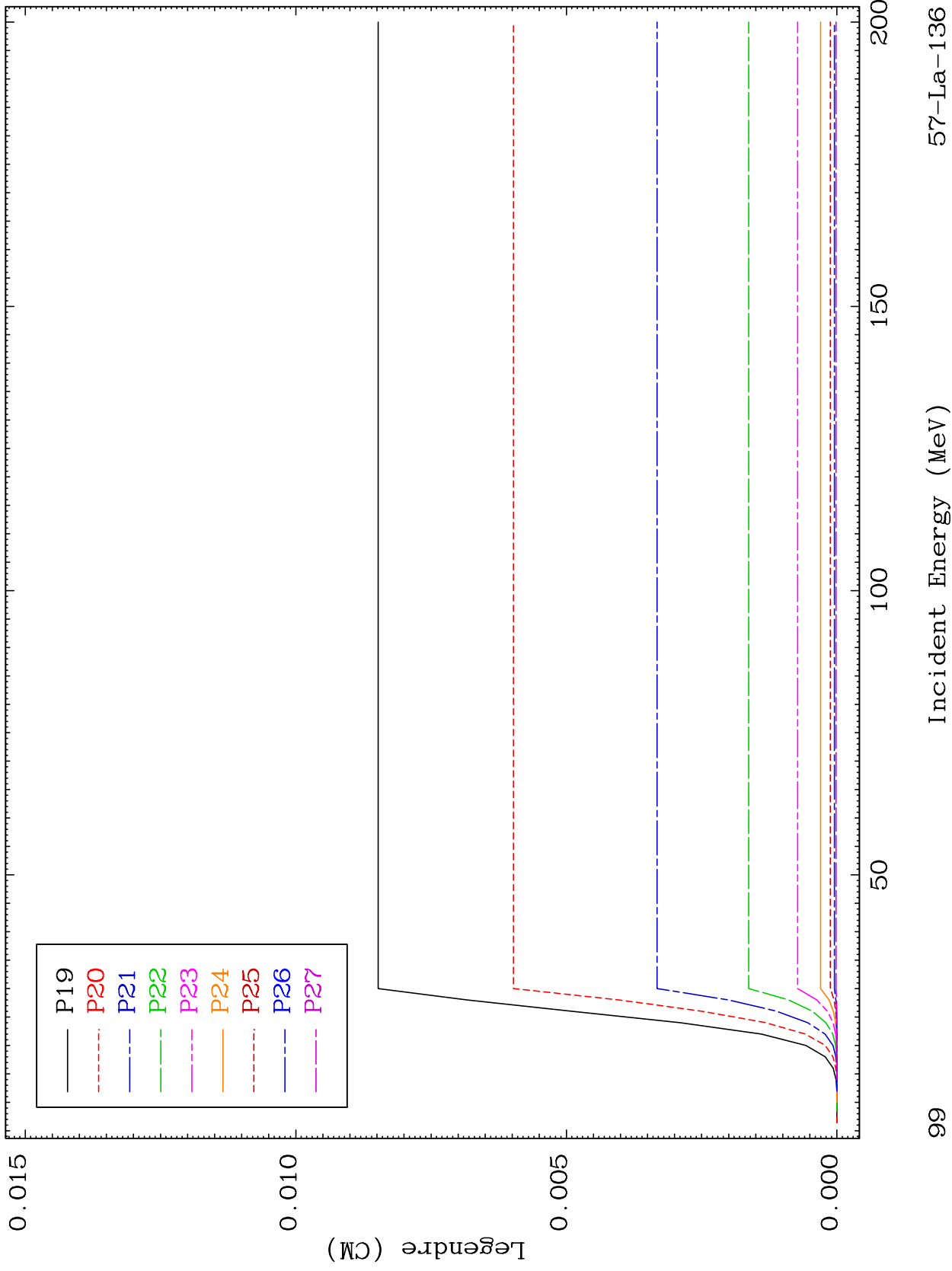
57-La-136



98

Incident Energy (MeV)

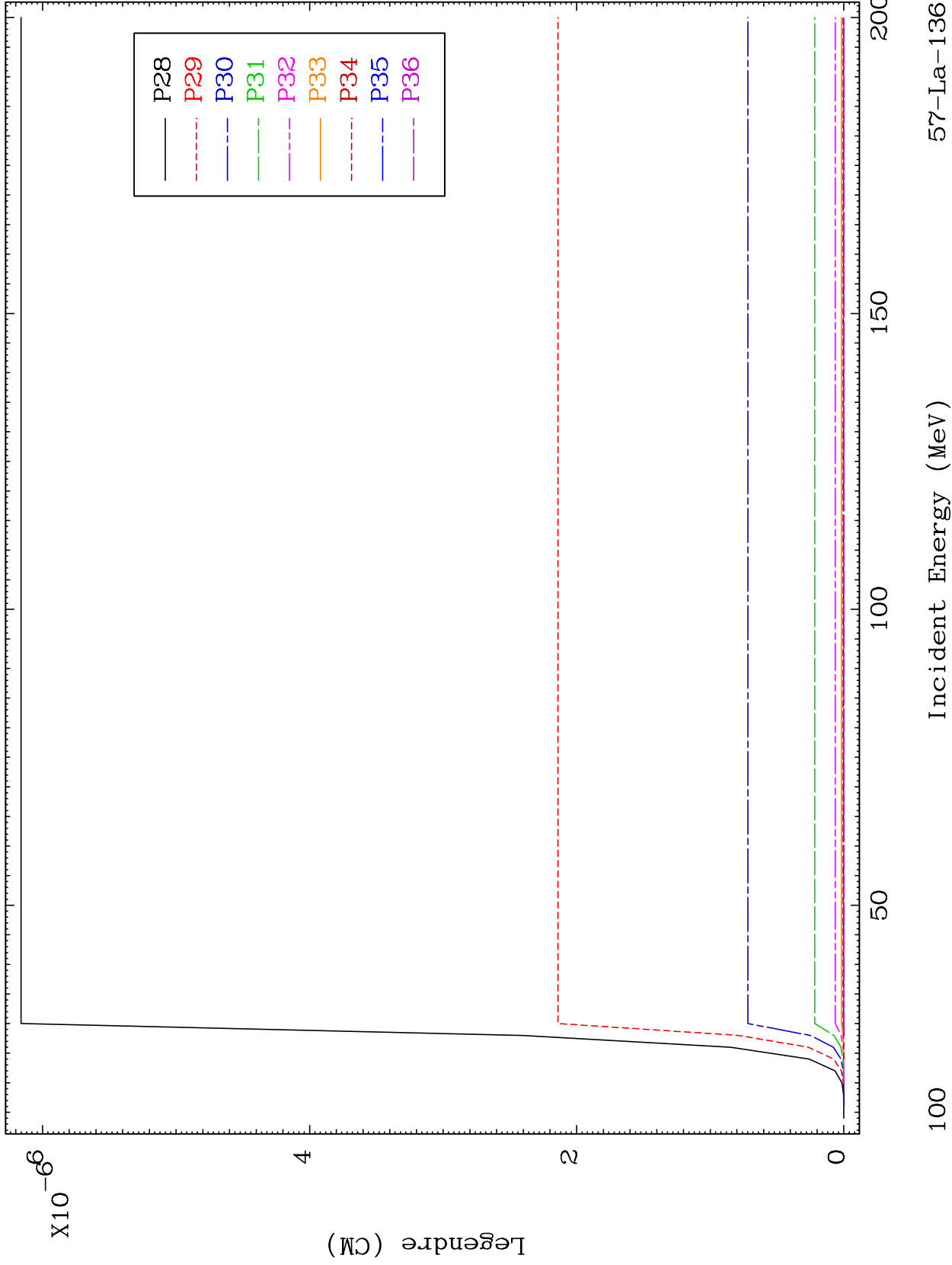
57-La-136



MAT 5719

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

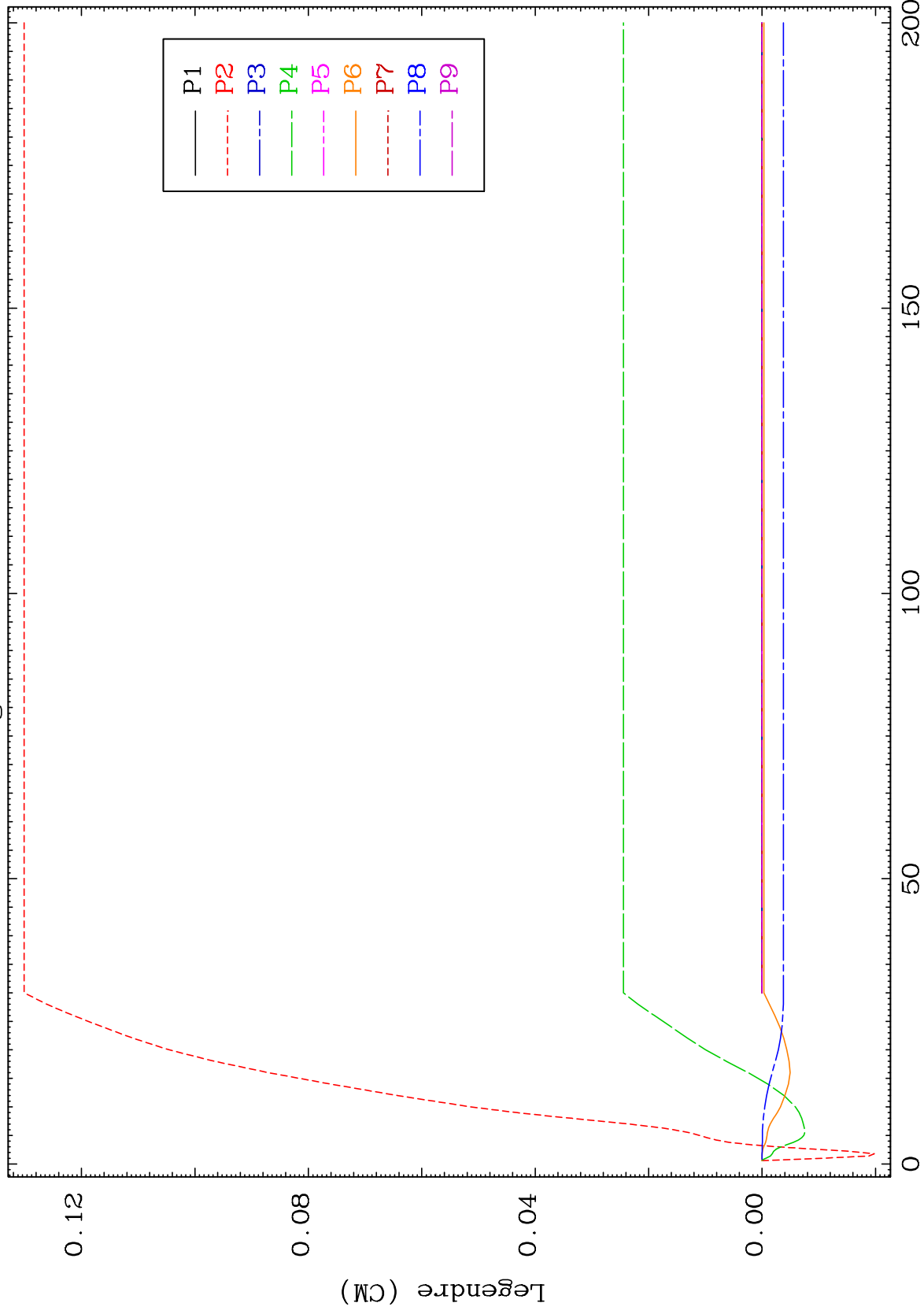
57-La-136



MAT 5719

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

57-La-136



101

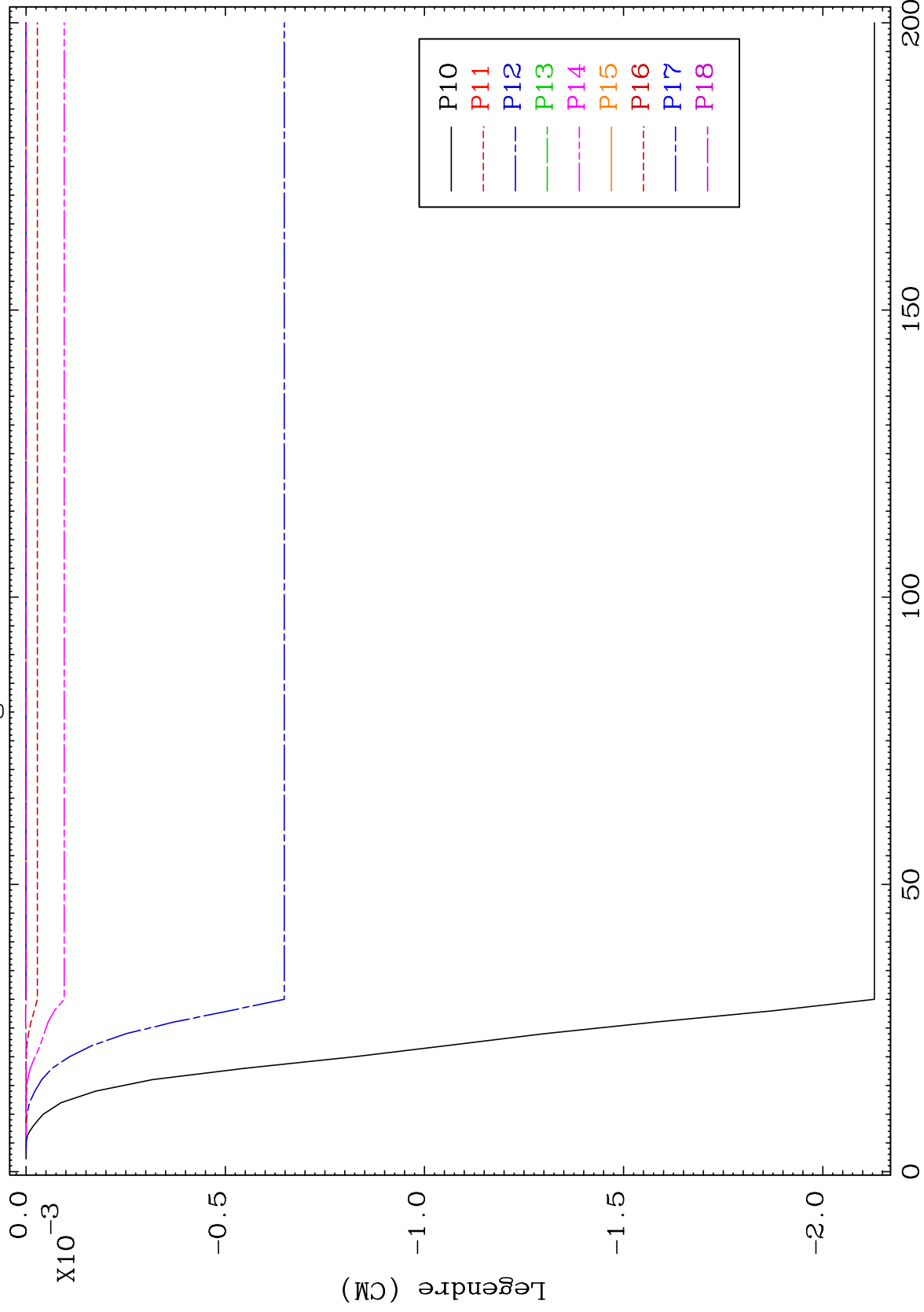
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



102

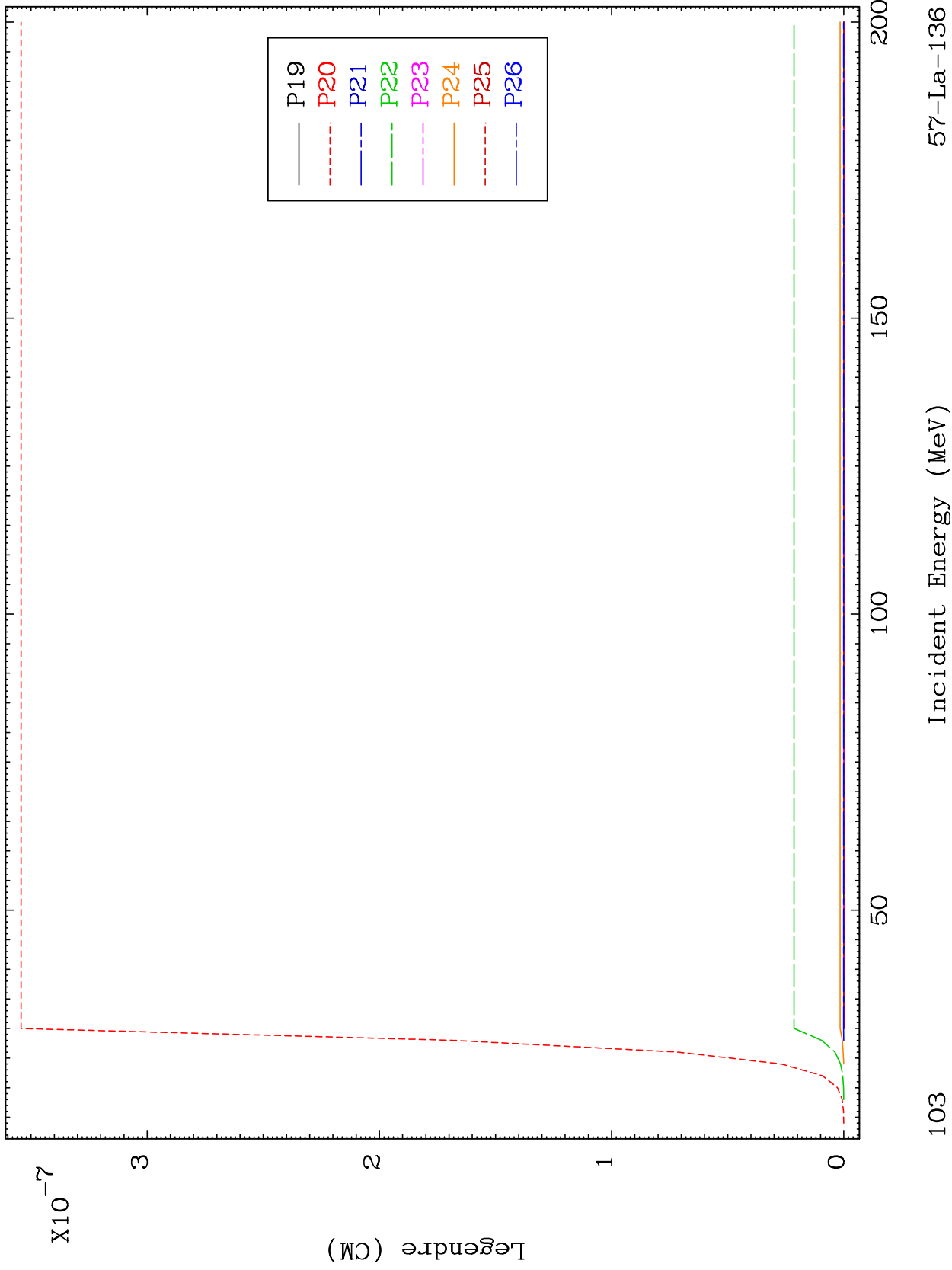
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



57-La-136

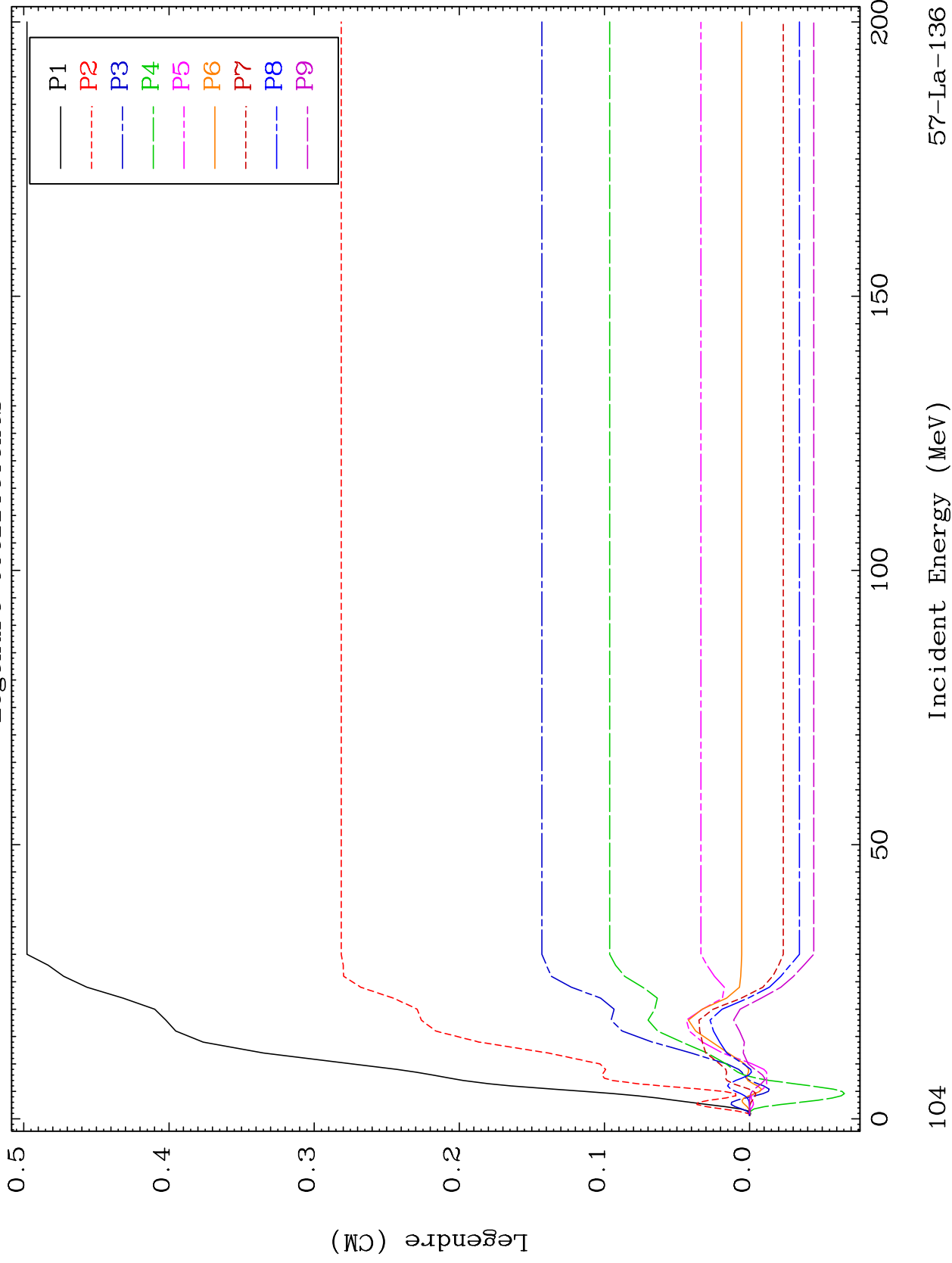
Incident Energy (MeV)

103

MAT 5719

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

57-La-136



57-La-136

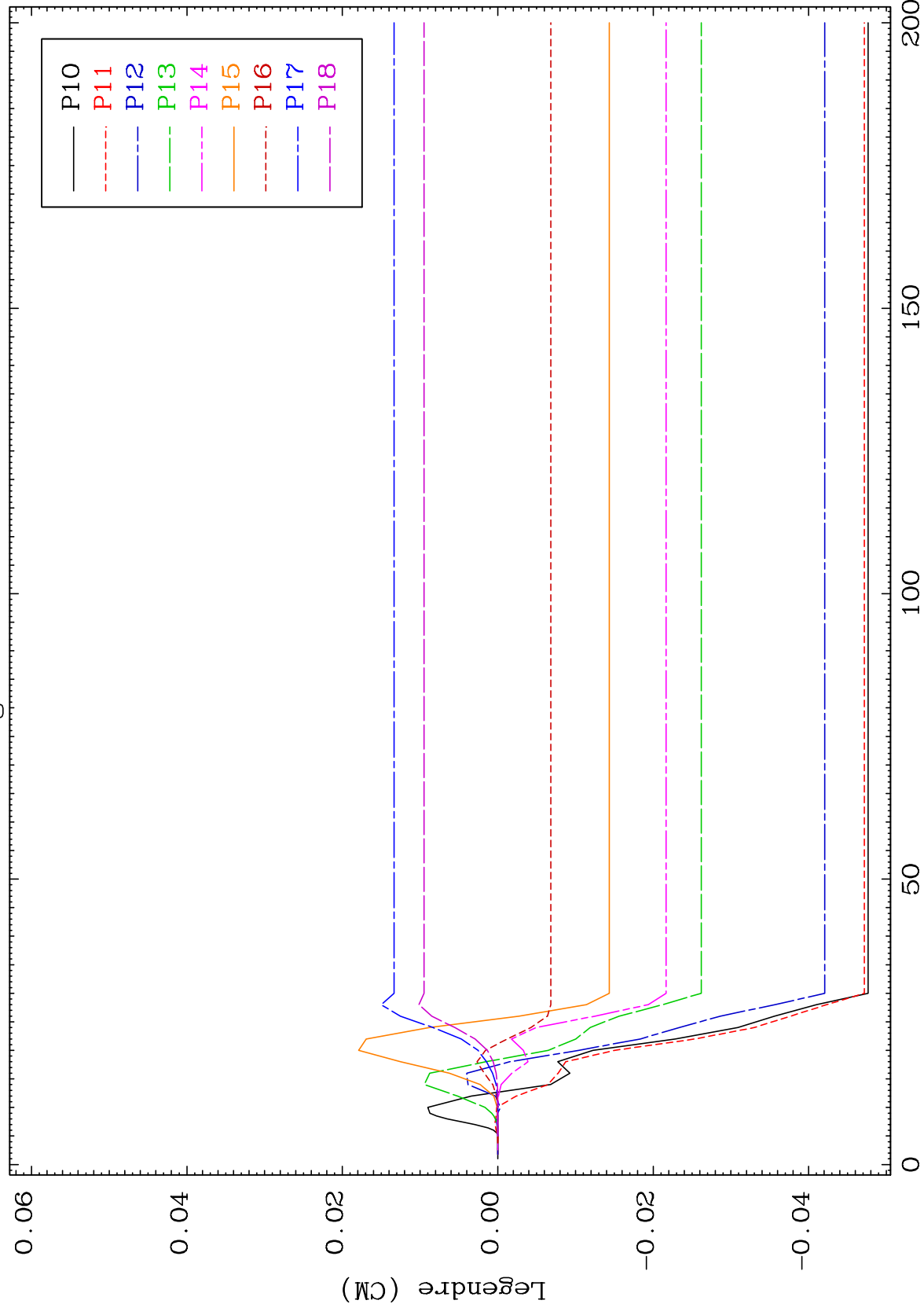
Incident Energy (MeV)

104

MAT 5719

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

57-La-136



57-La-136

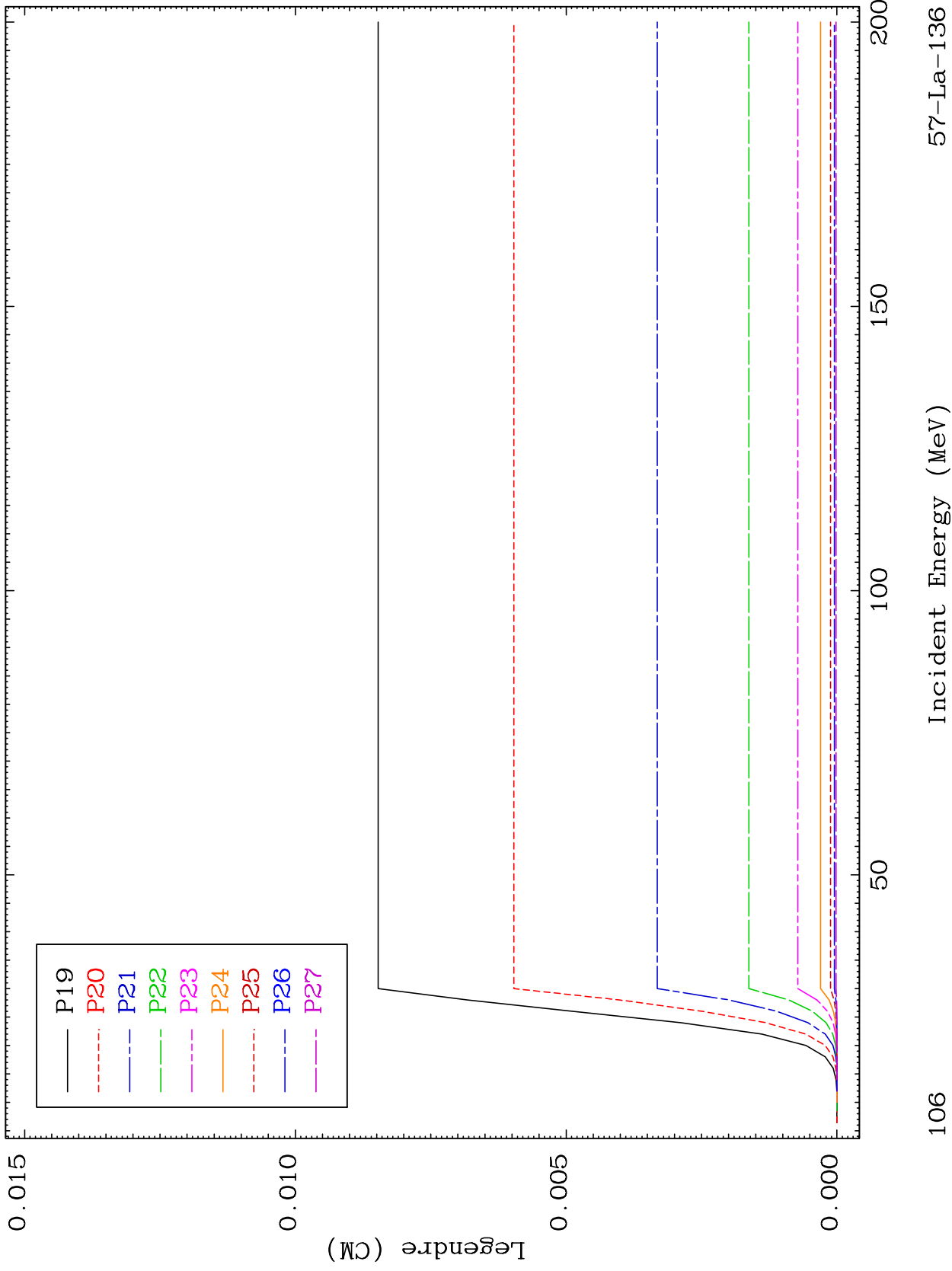
Incident Energy (MeV)

105

MAT 5719

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

57-La-136



57-La-136

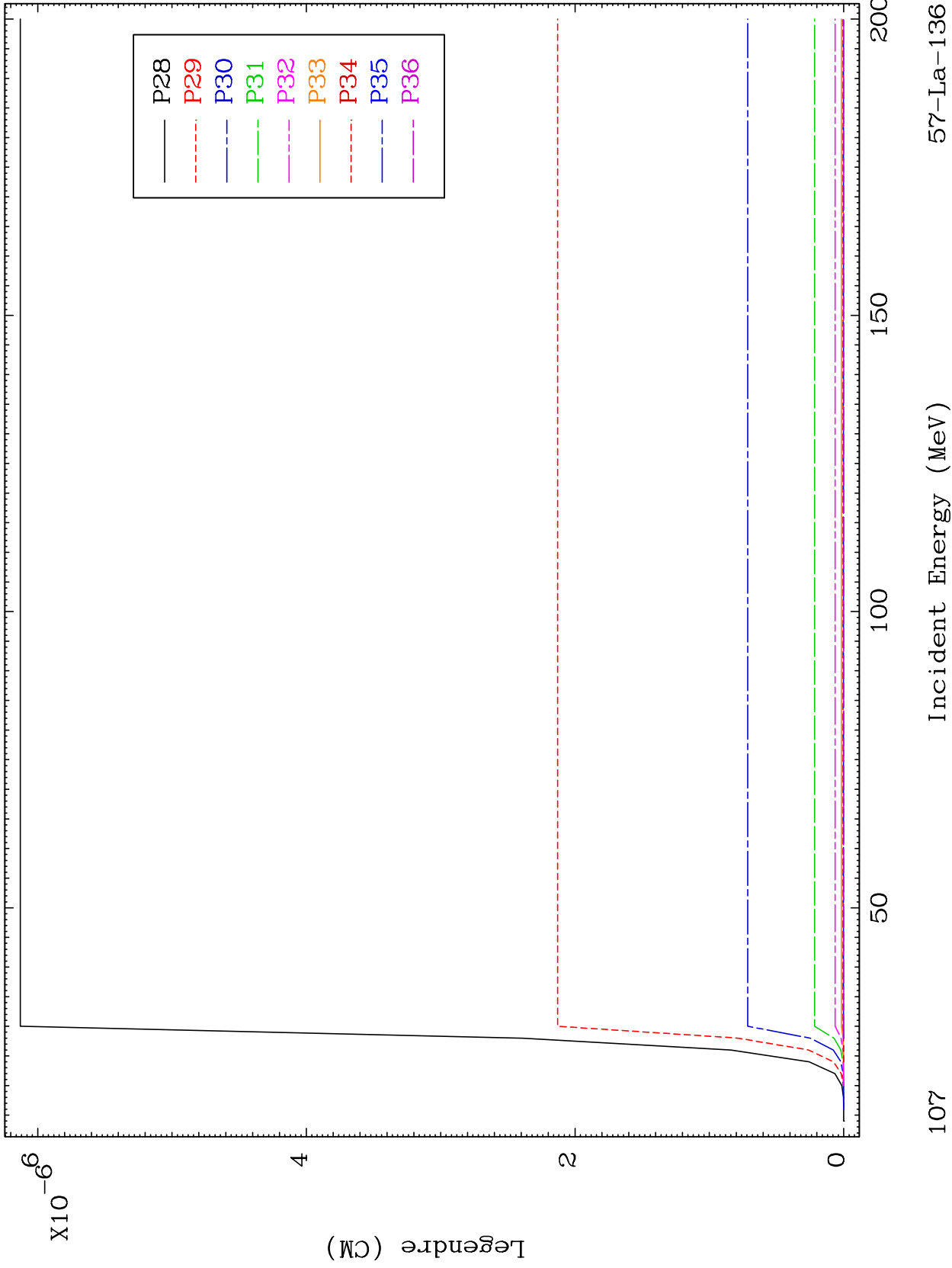
Incident Energy (MeV)

106

MAT 5719

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

57-La-136



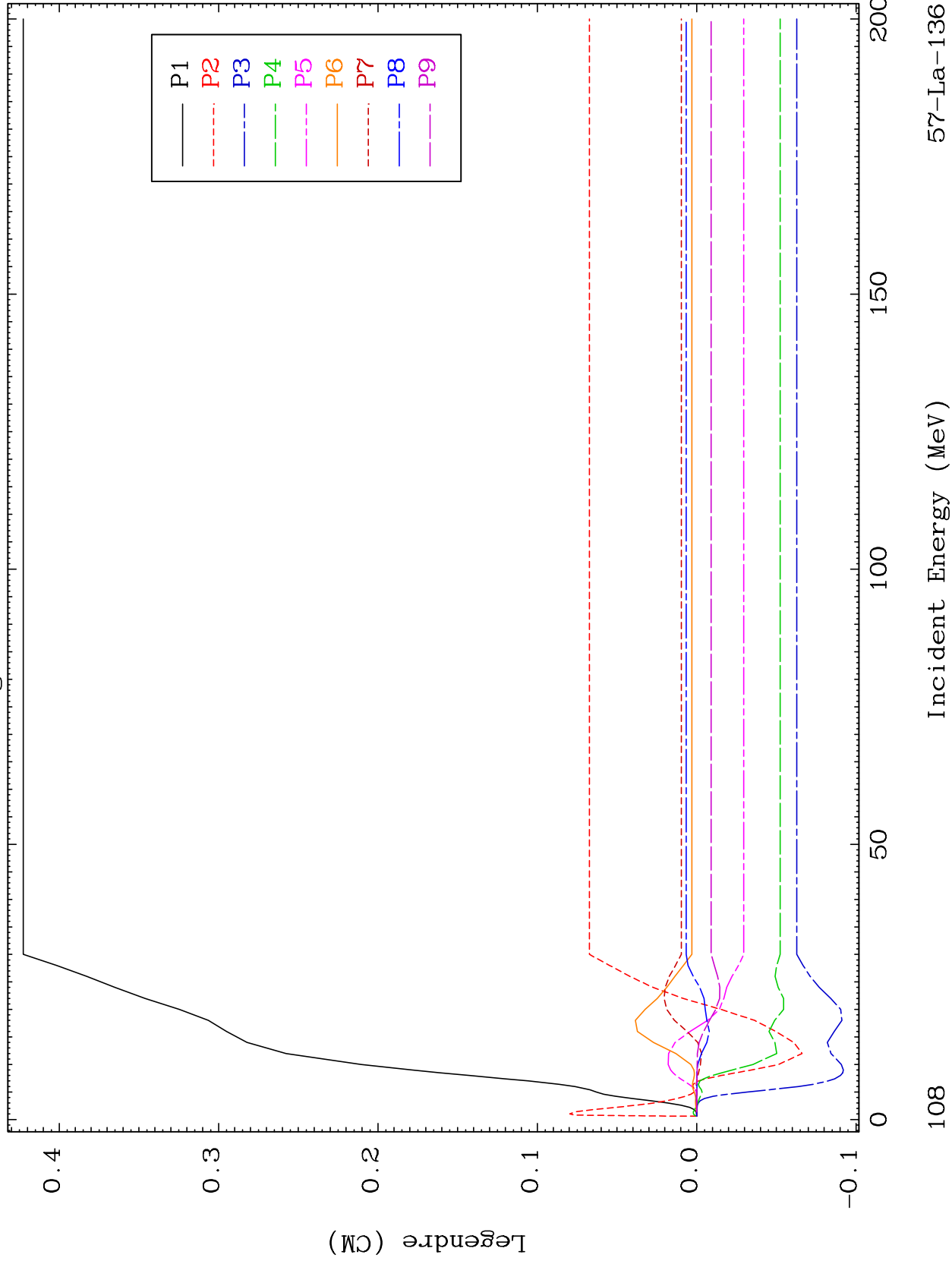
107

57-La-136

MAT 5719

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

57-La-136



57-La-136

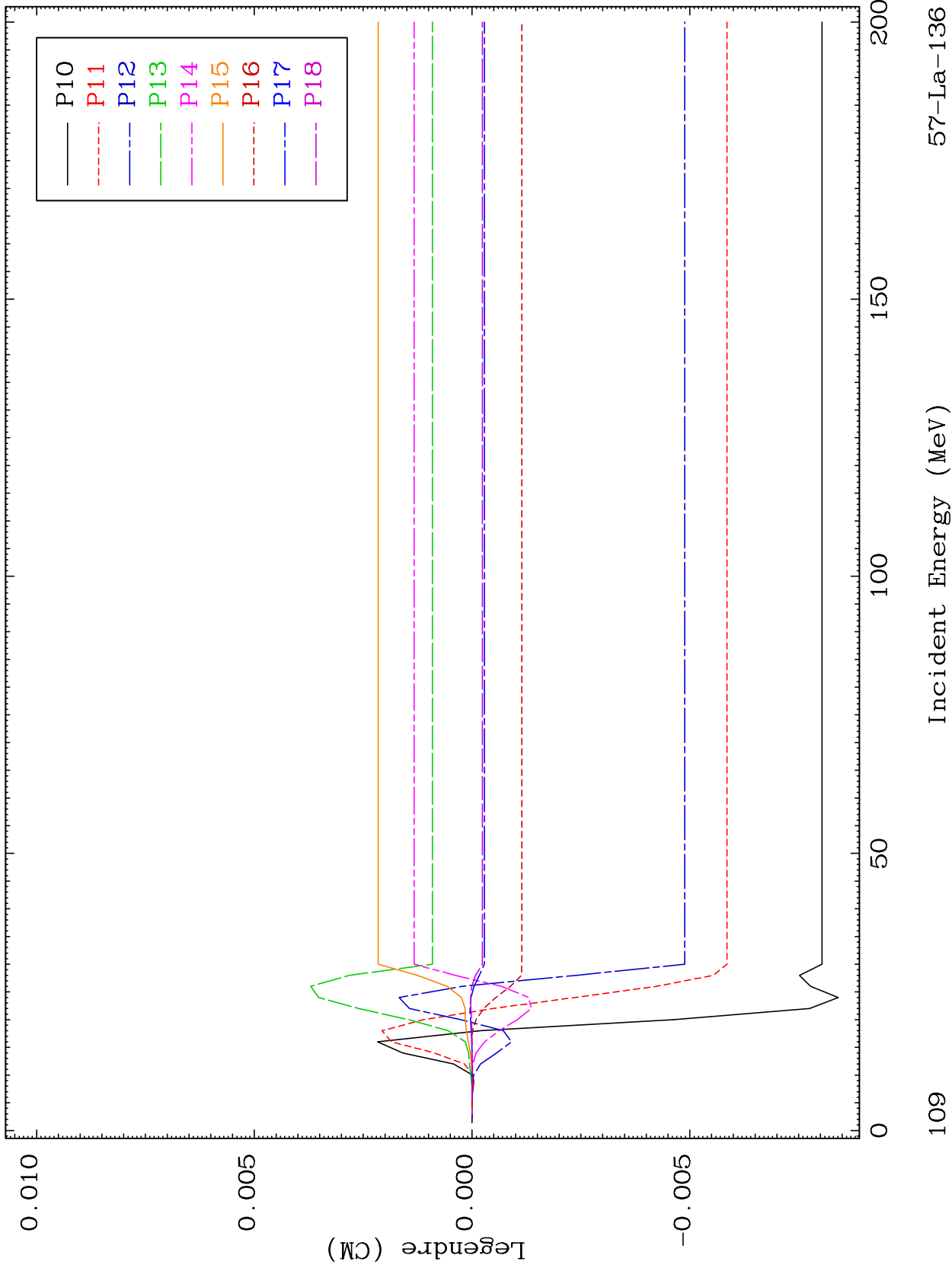
Incident Energy (MeV)

108

MAT 5719

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

57-La-136



57-La-136

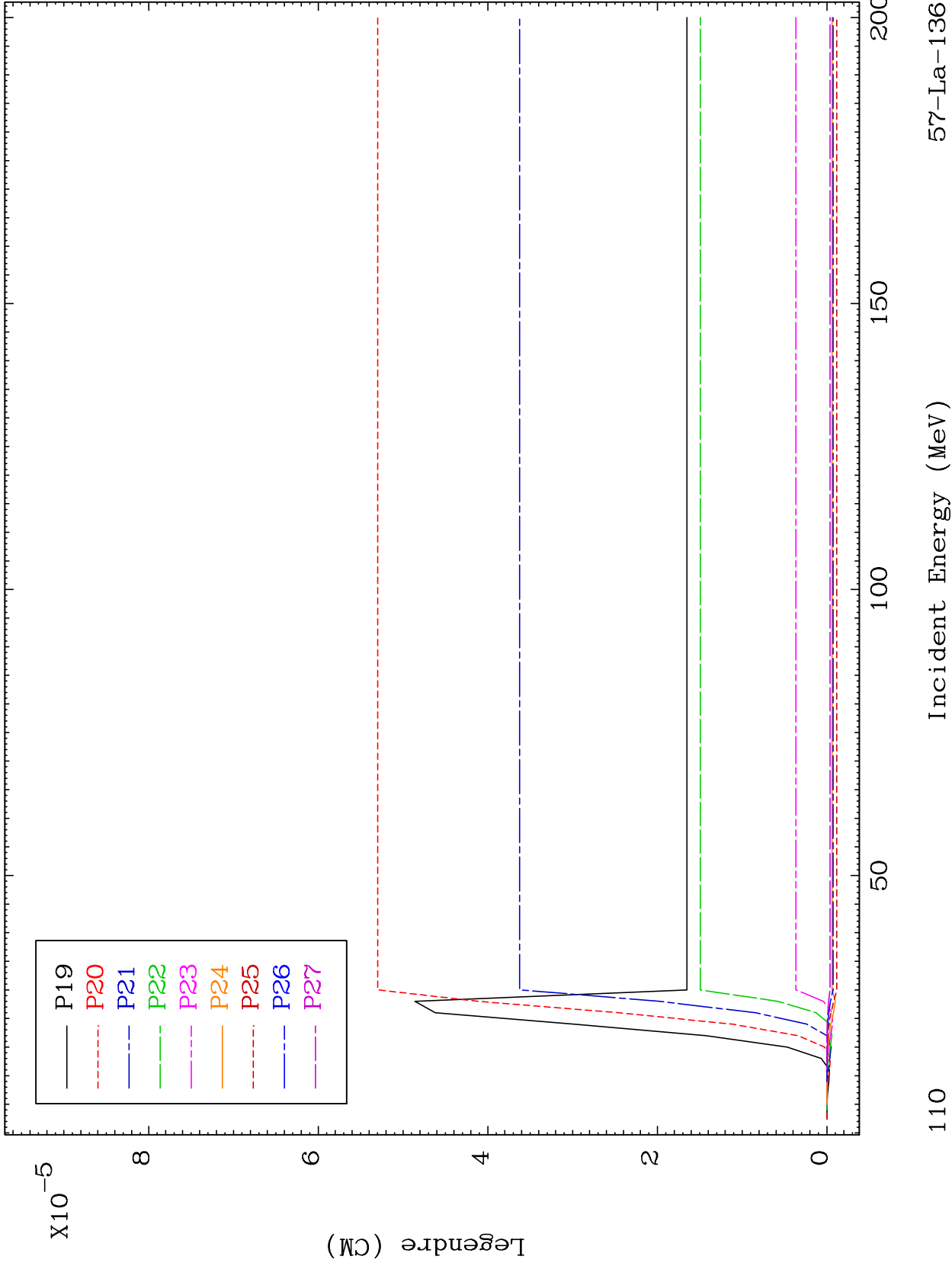
Incident Energy (MeV)

109

MAT 5719

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

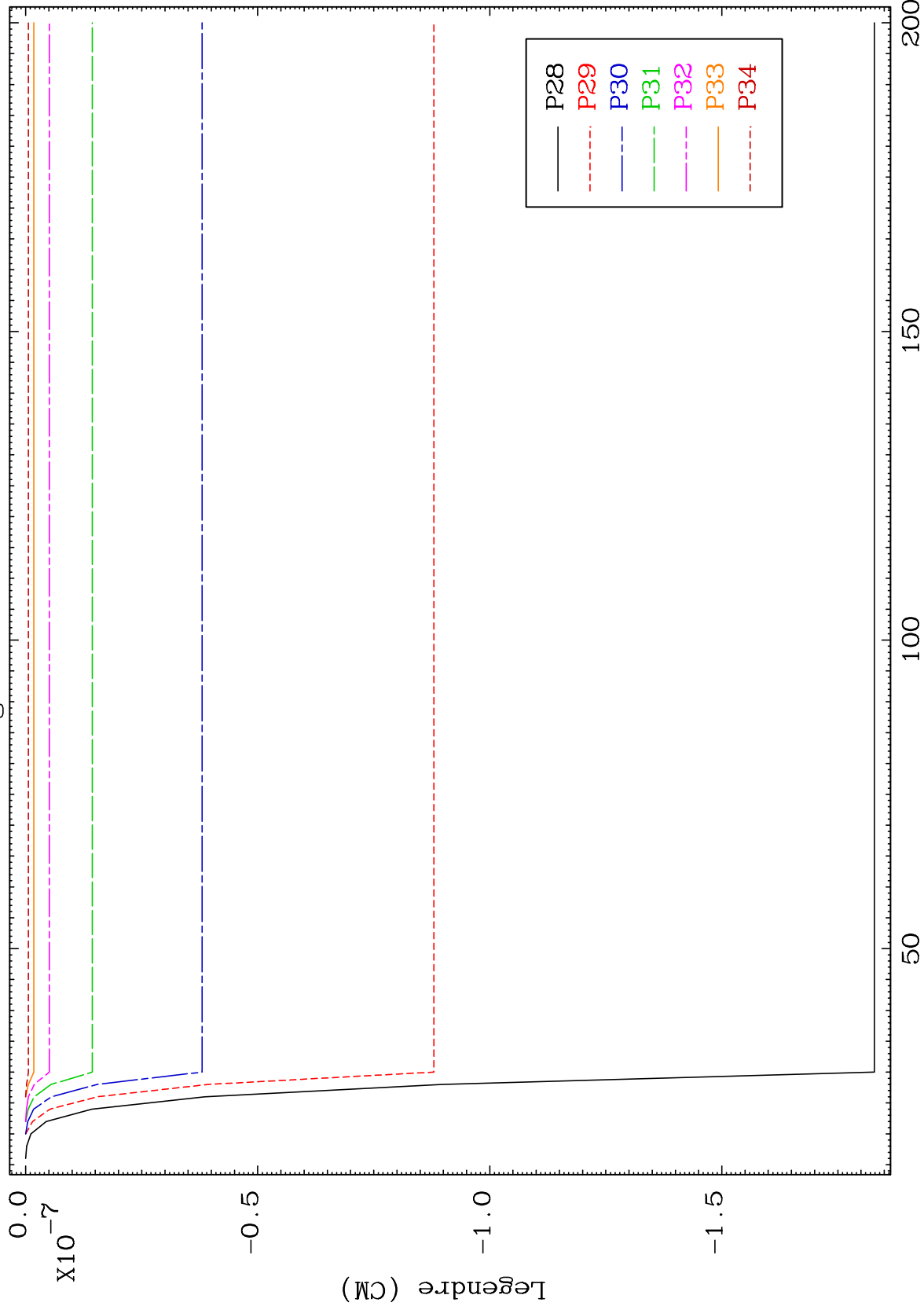
57-La-136



MAT 5719

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

57-La-136



111

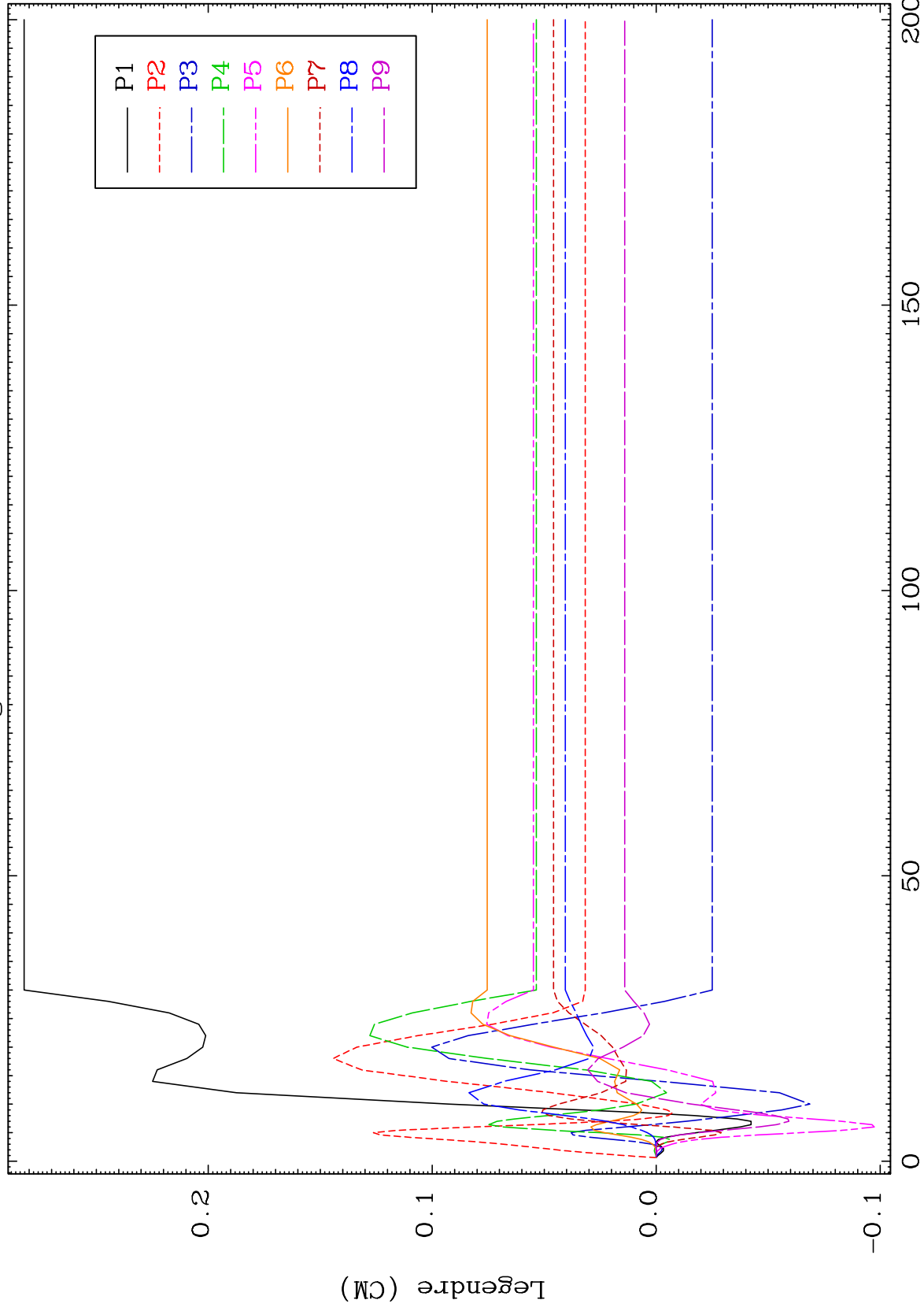
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



57-La-136

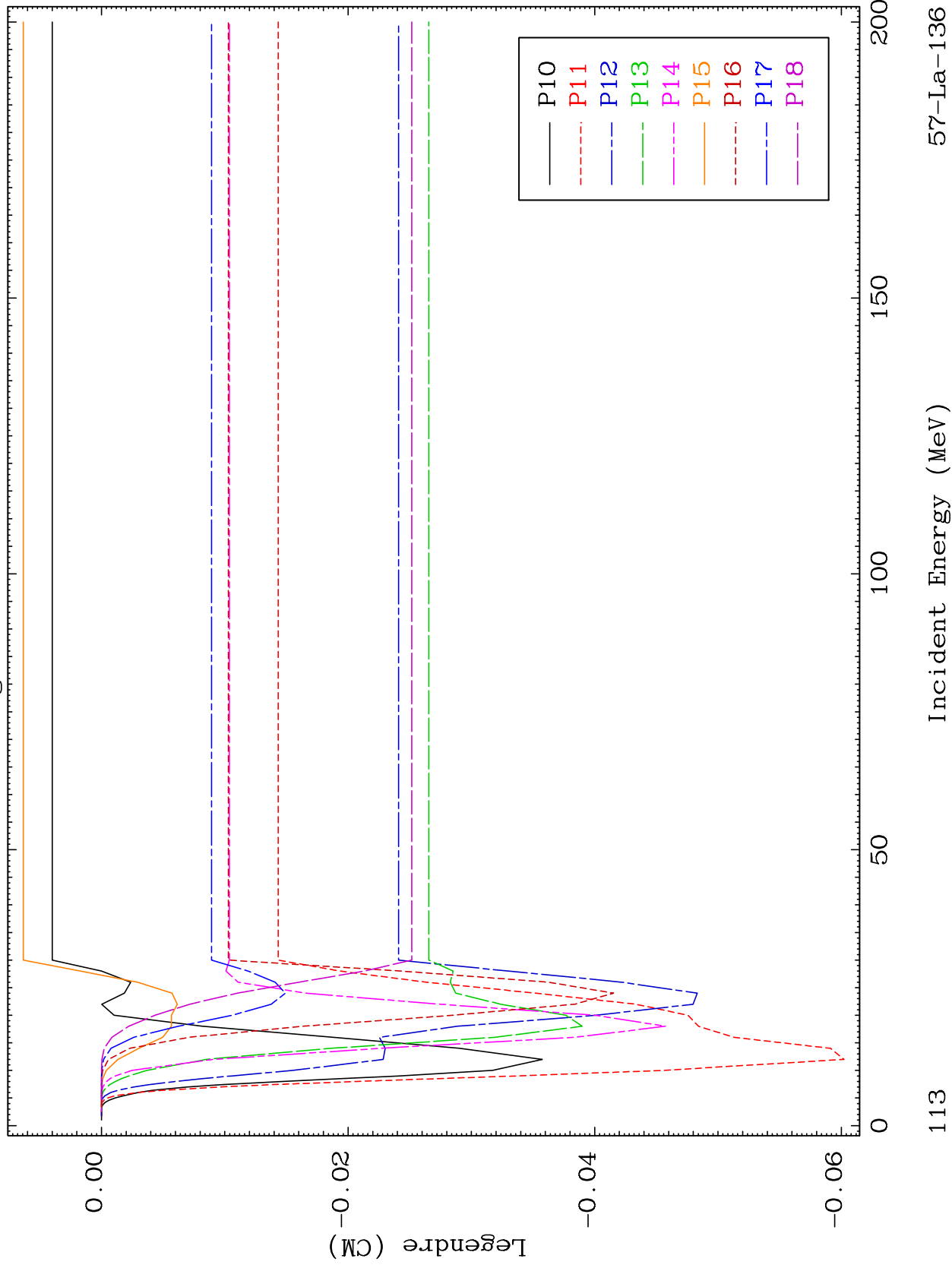
Incident Energy (MeV)

112

MAT 5719

57-La-136

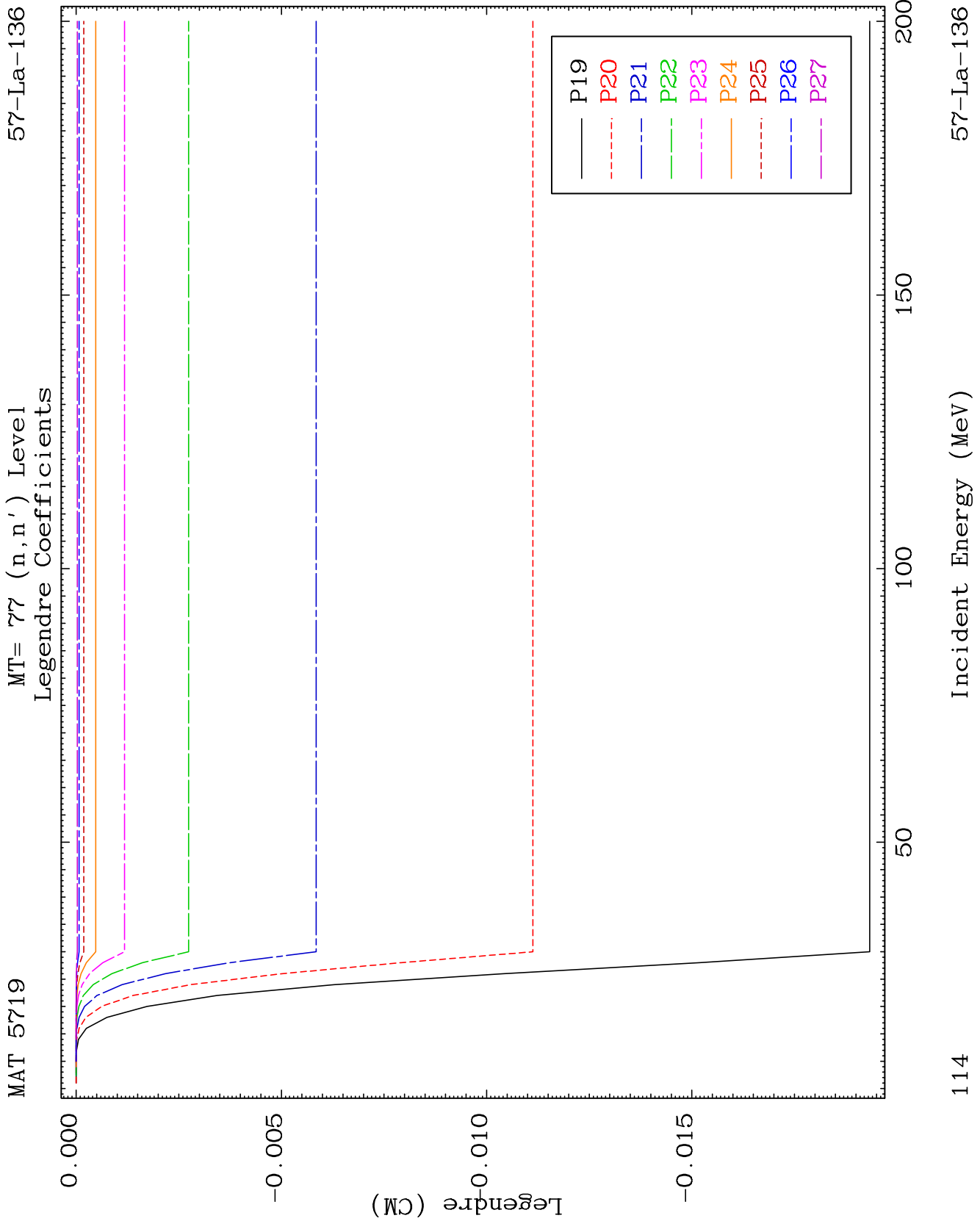
MT= 77 (n,n') Level
Legendre Coefficients

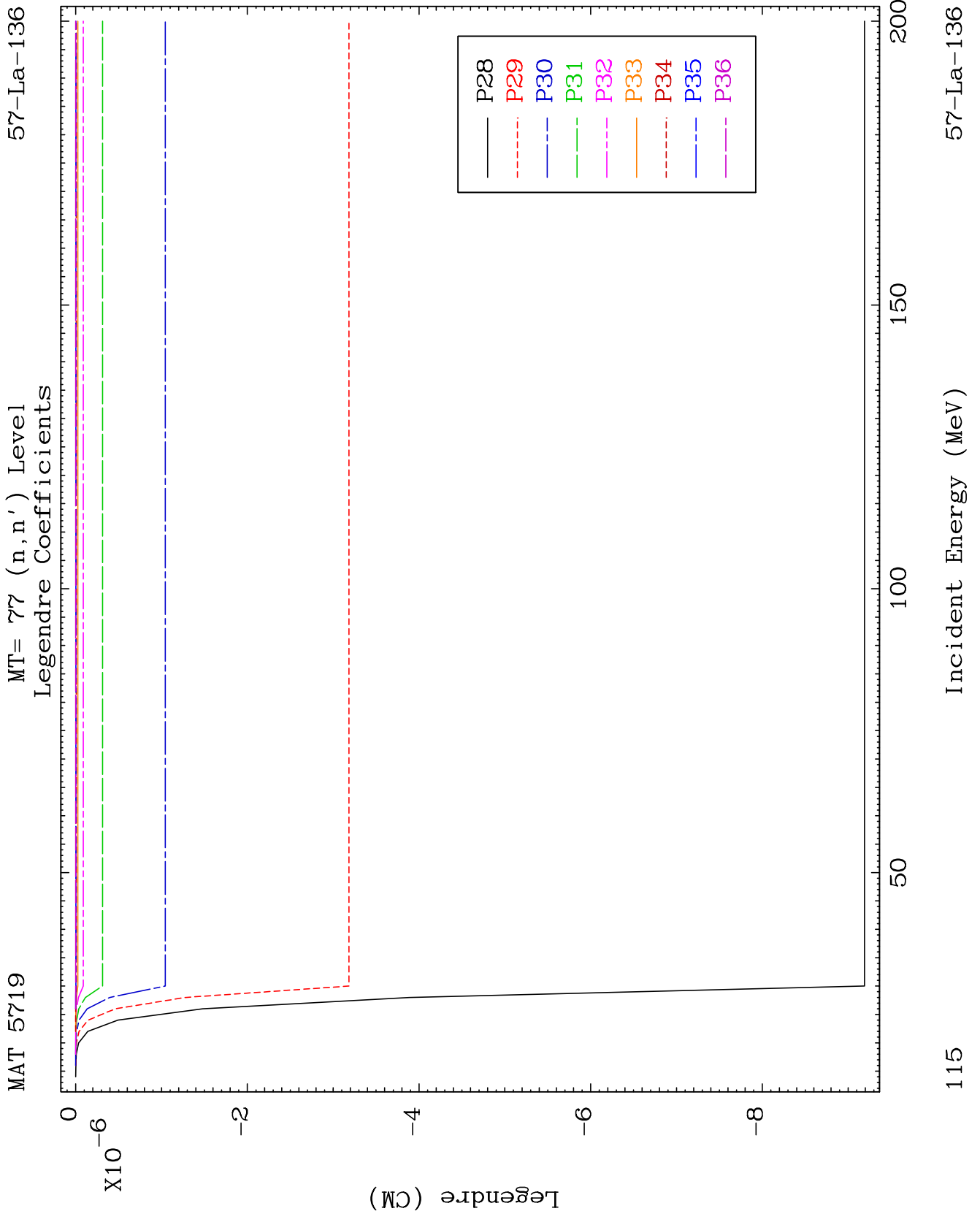


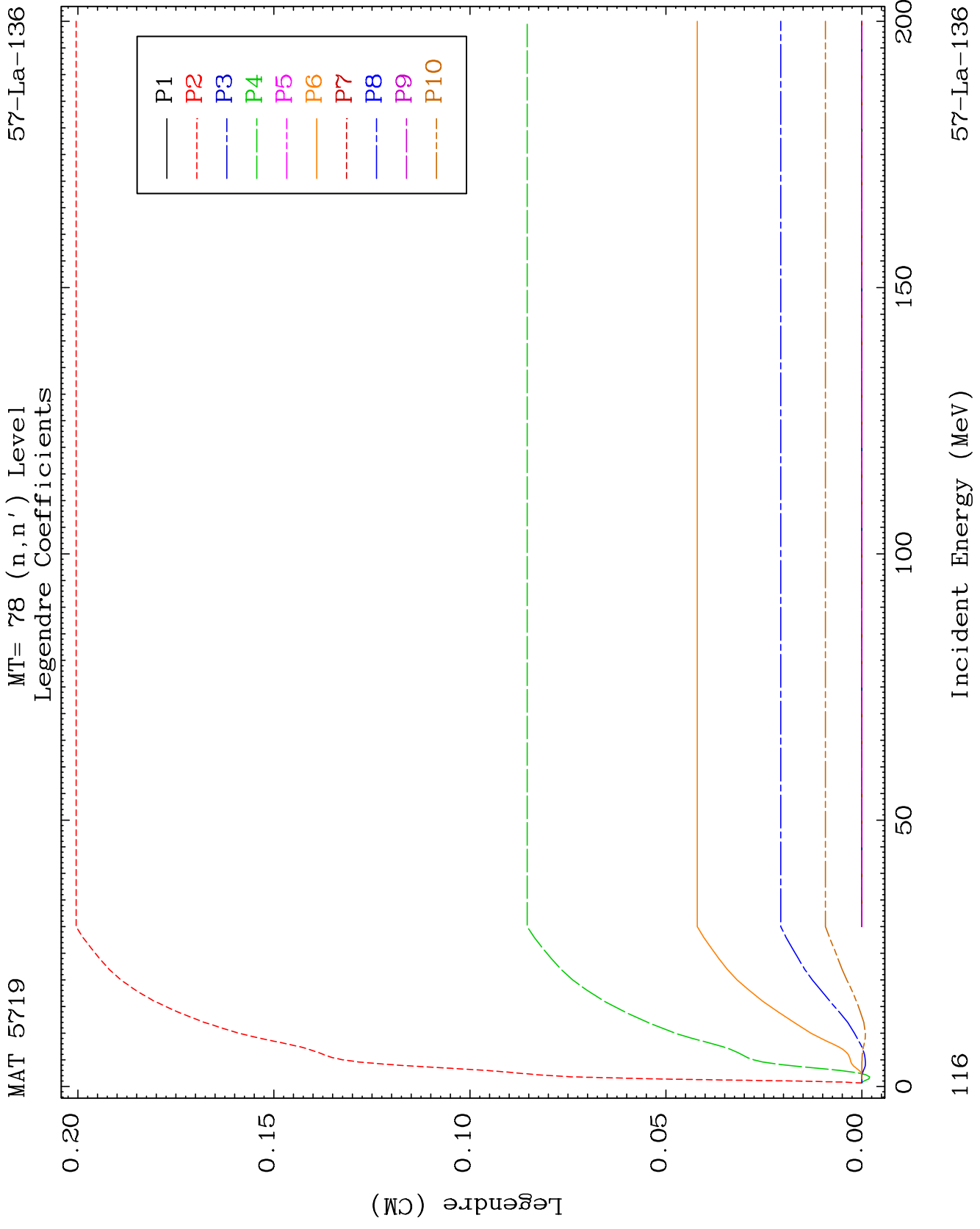
57-La-136

Incident Energy (MeV)

113



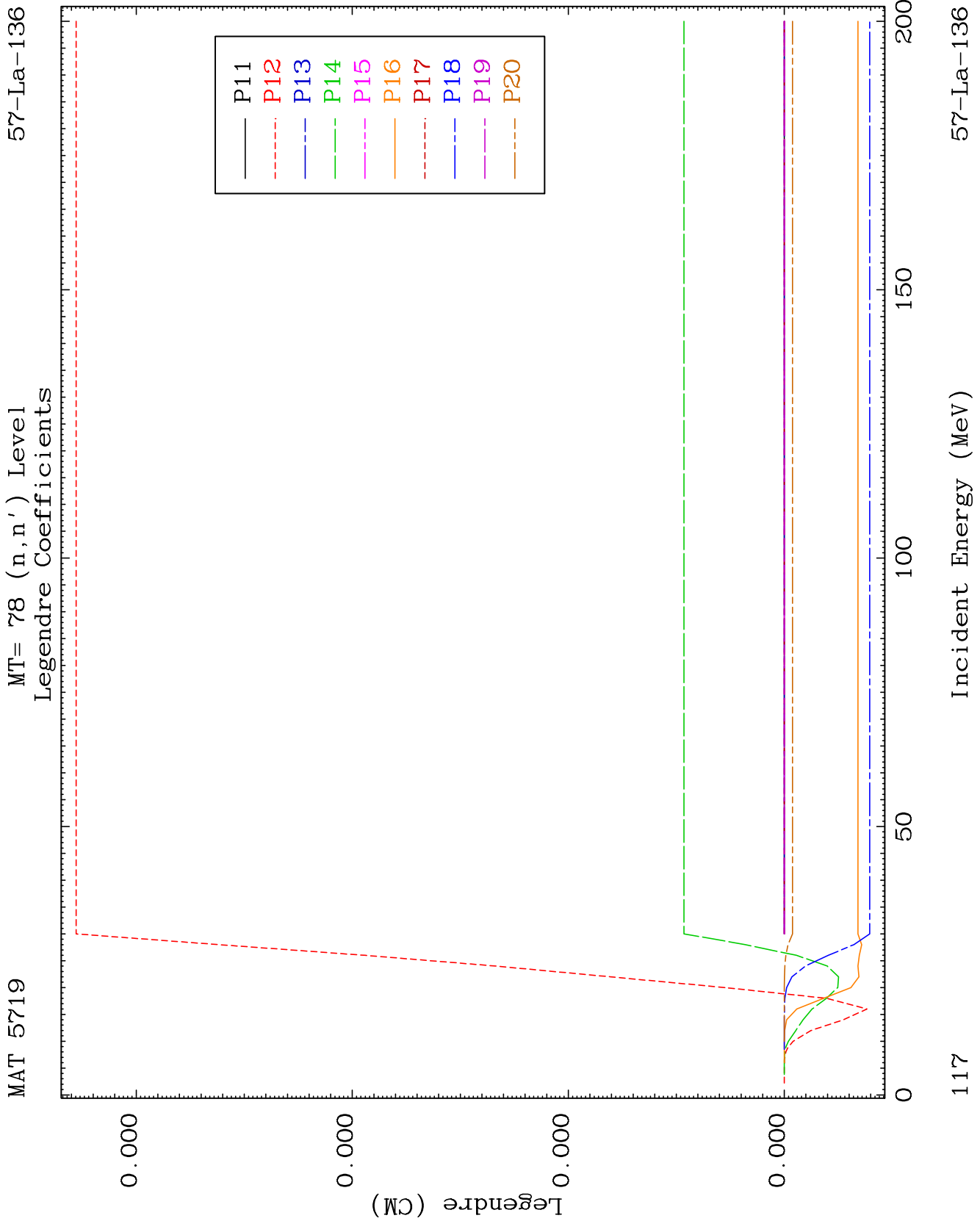


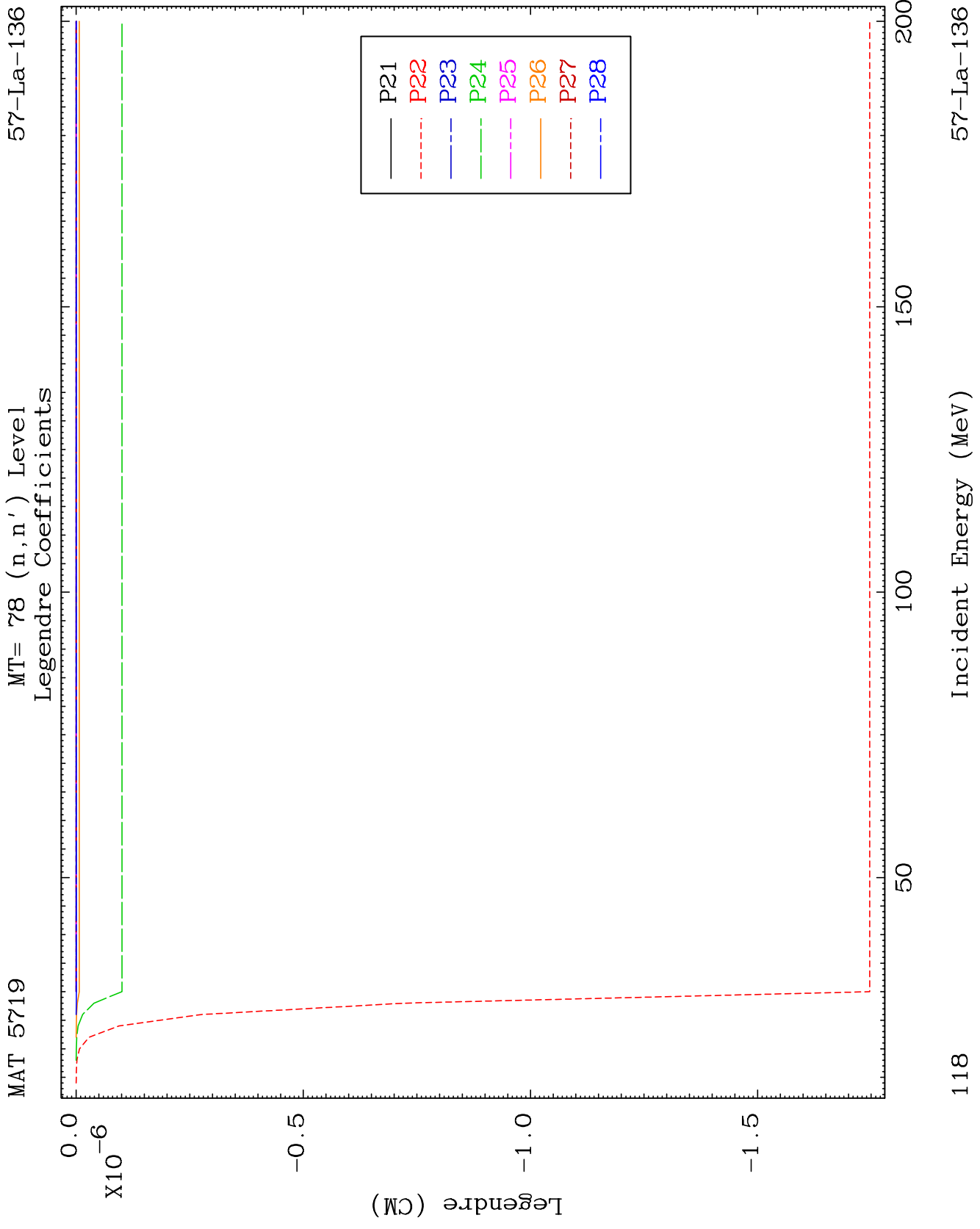


57-La-136

Incident Energy (MeV)

116

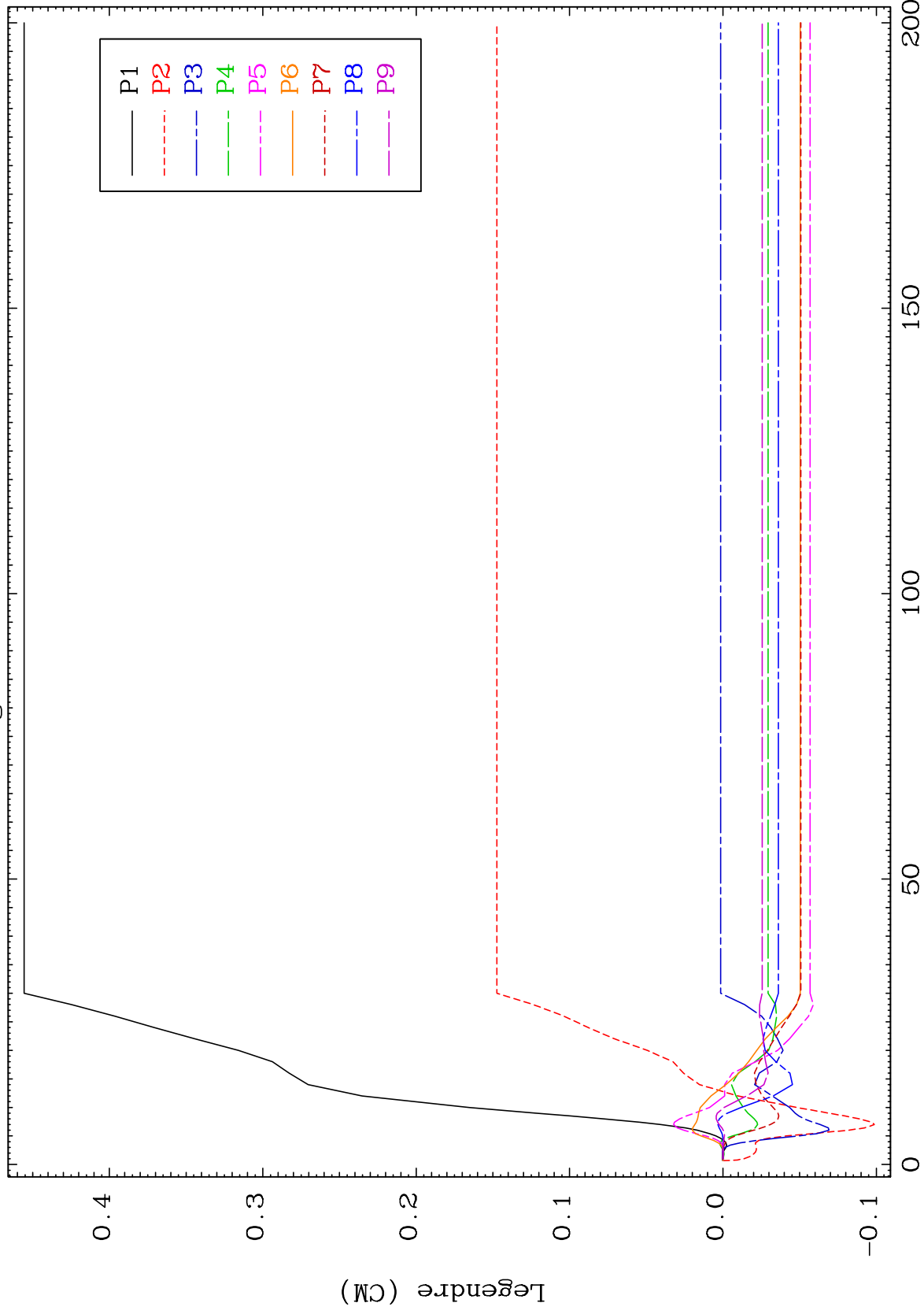




MAT 5719

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

57-La-136



119

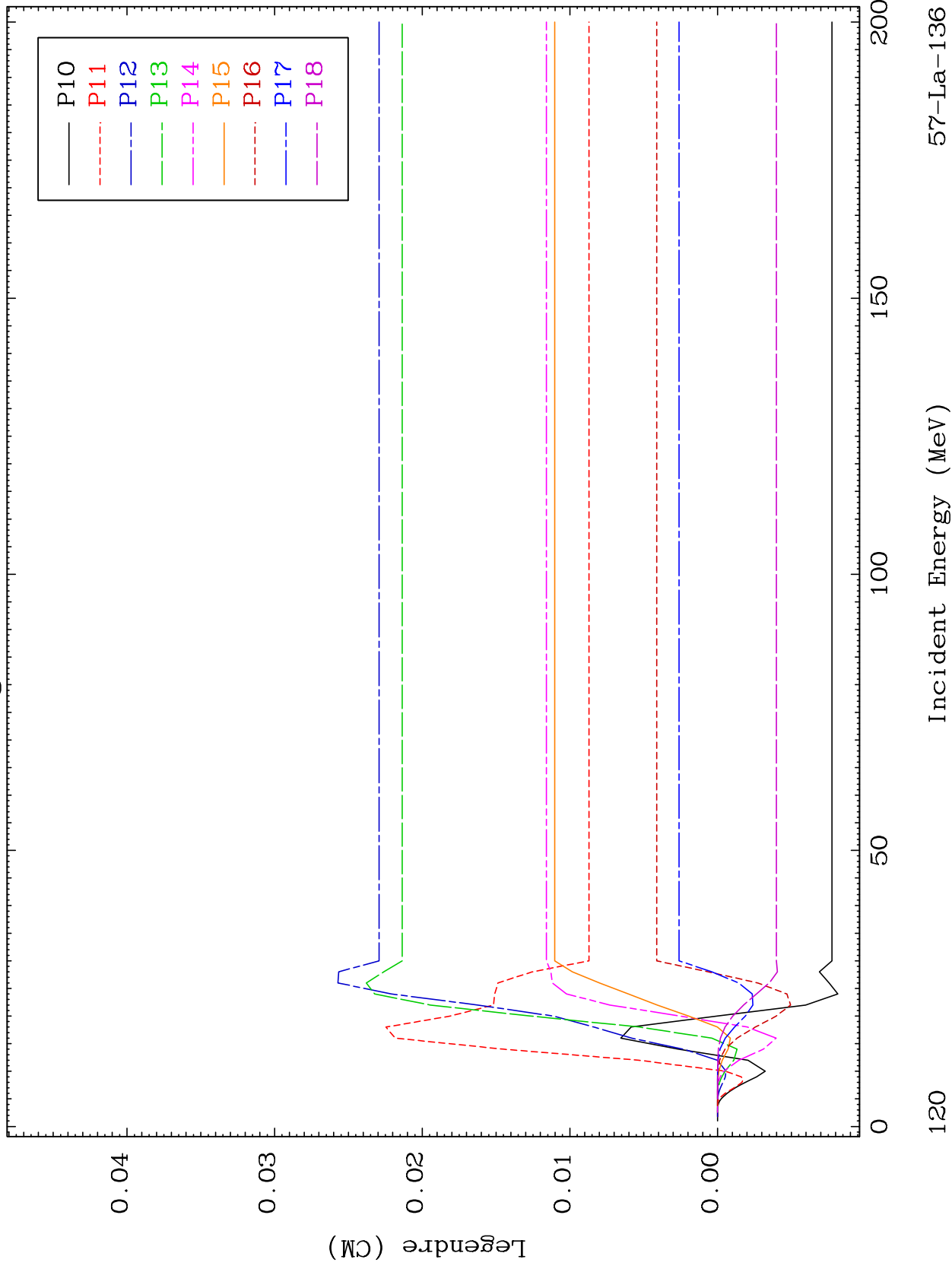
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



57-La-136

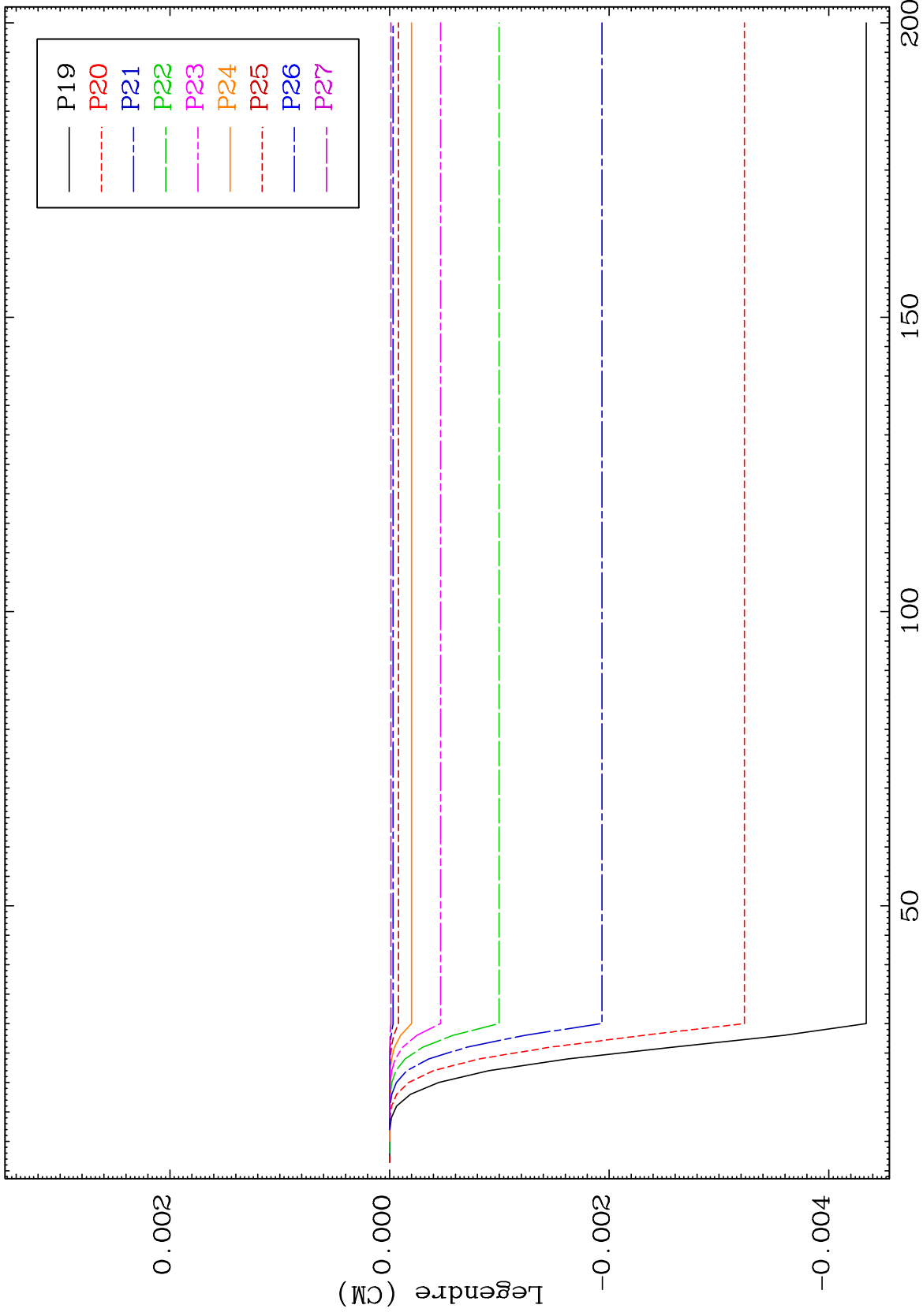
Incident Energy (MeV)

120

MAT 5719

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

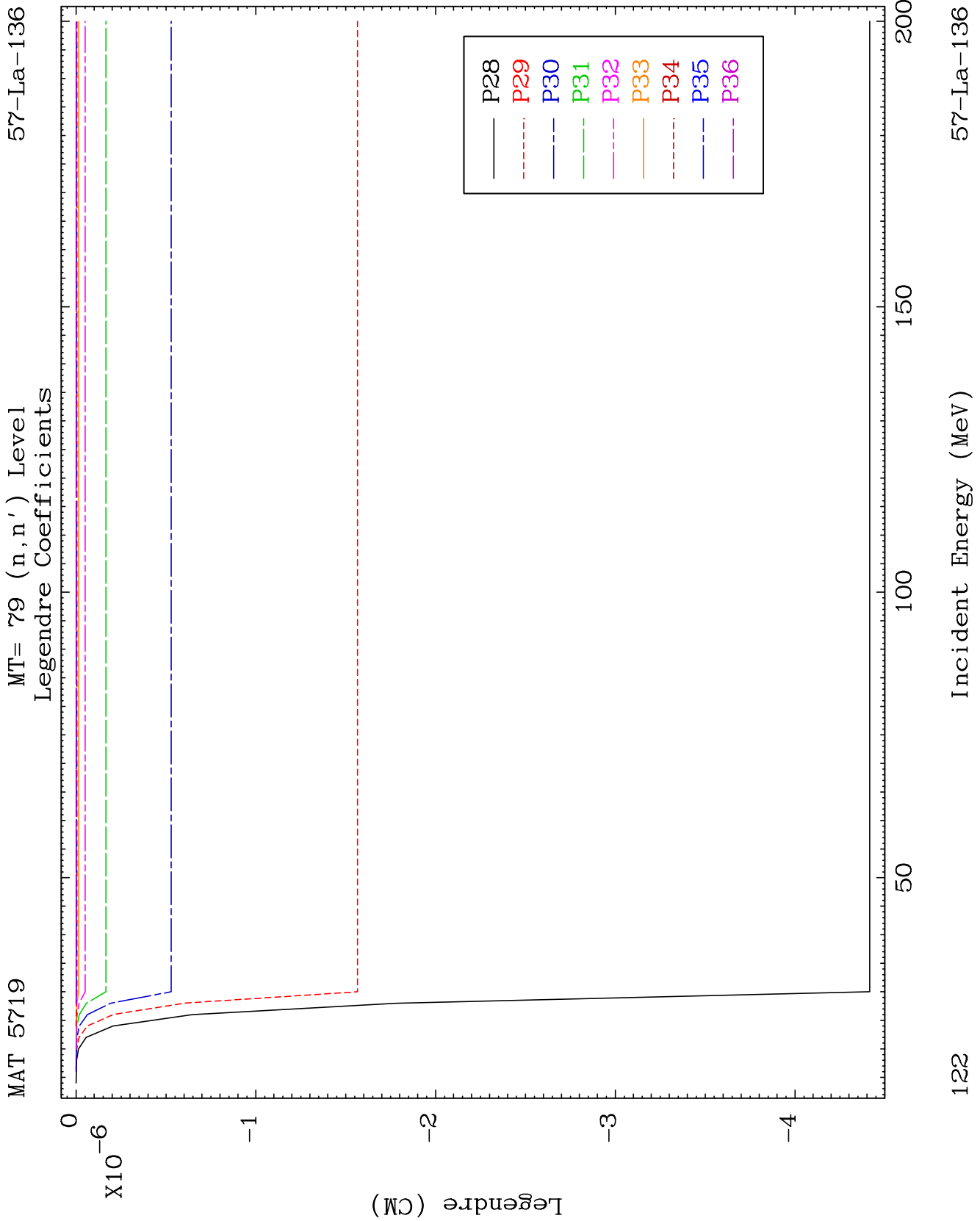
57-La-136



121

Incident Energy (MeV)

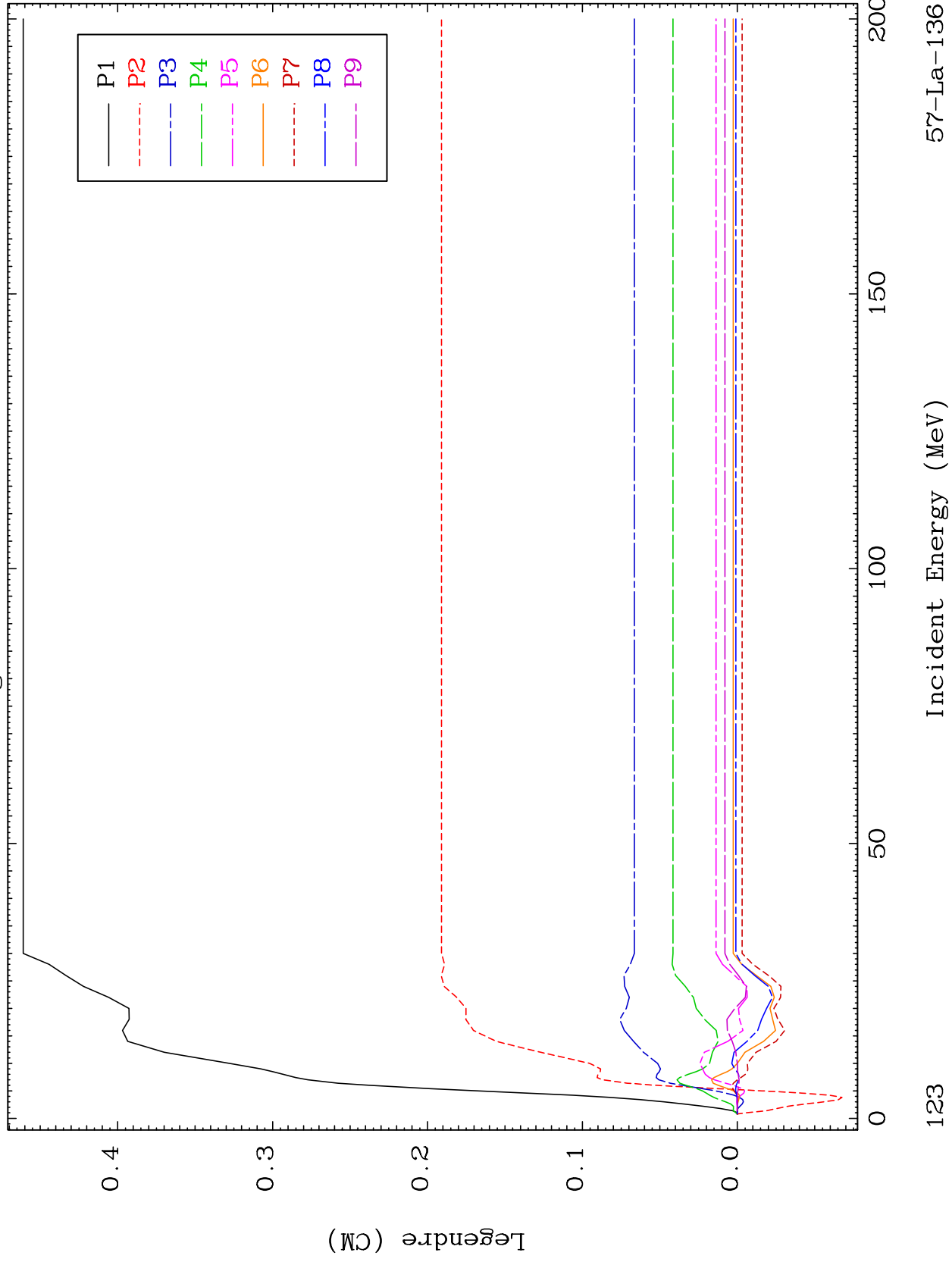
57-La-136



MAT 5719

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

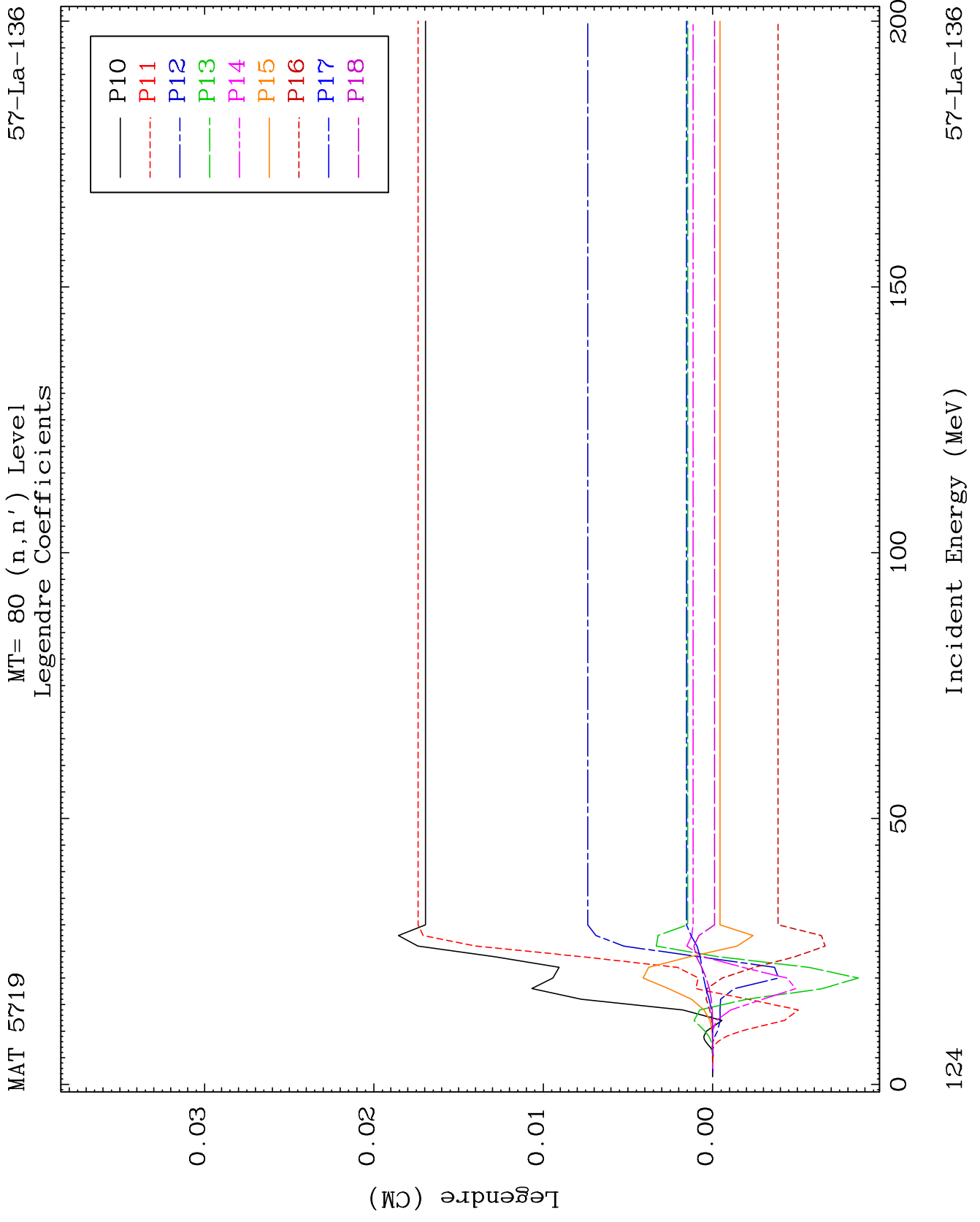
57-La-136

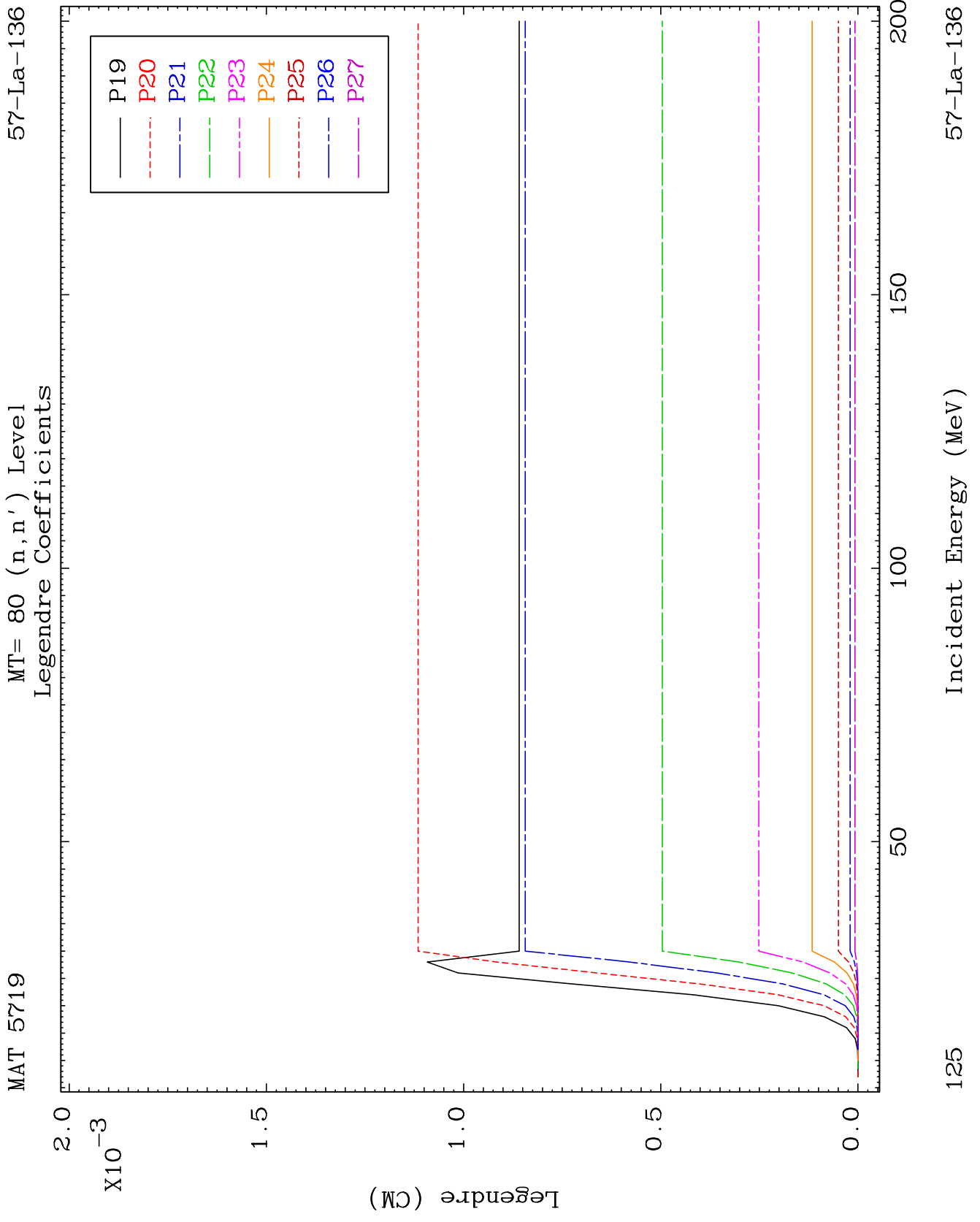


57-La-136

Incident Energy (MeV)

123

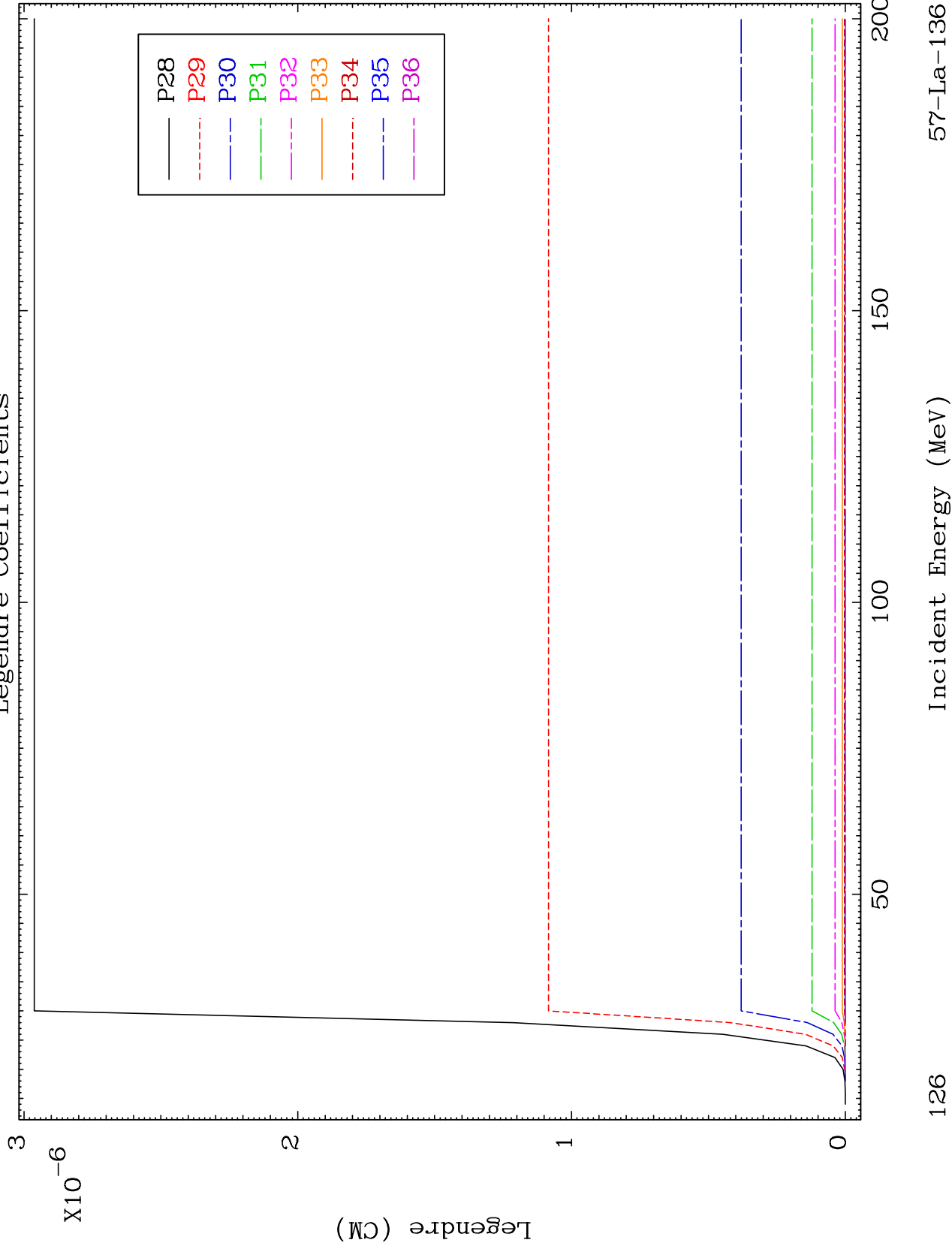




MAT 5719

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

57-La-136



126

Incident Energy (MeV)

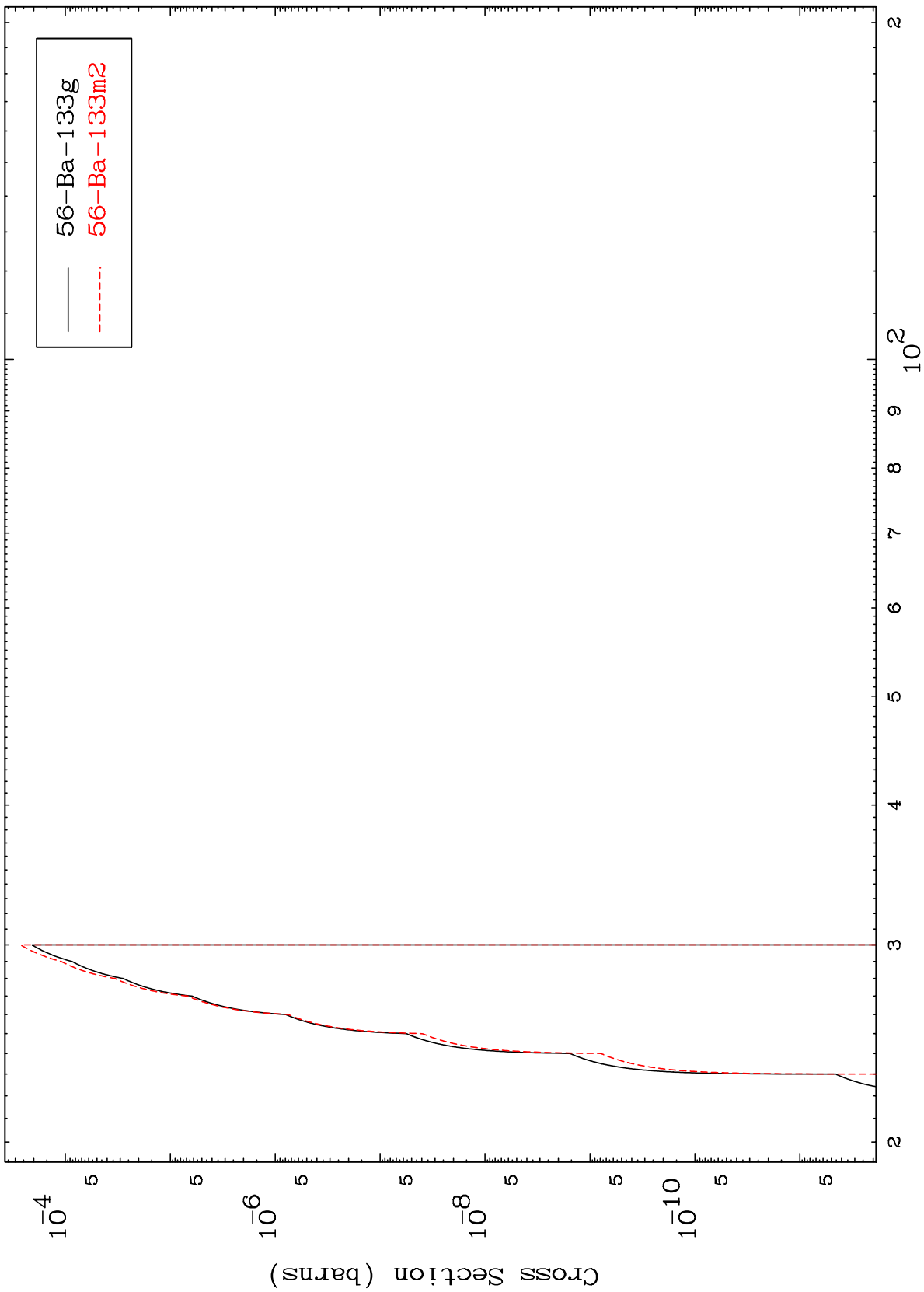
57-La-136

MAT 5719

(n,2n) d

57-La-136

Radionuclide Production Cross Section

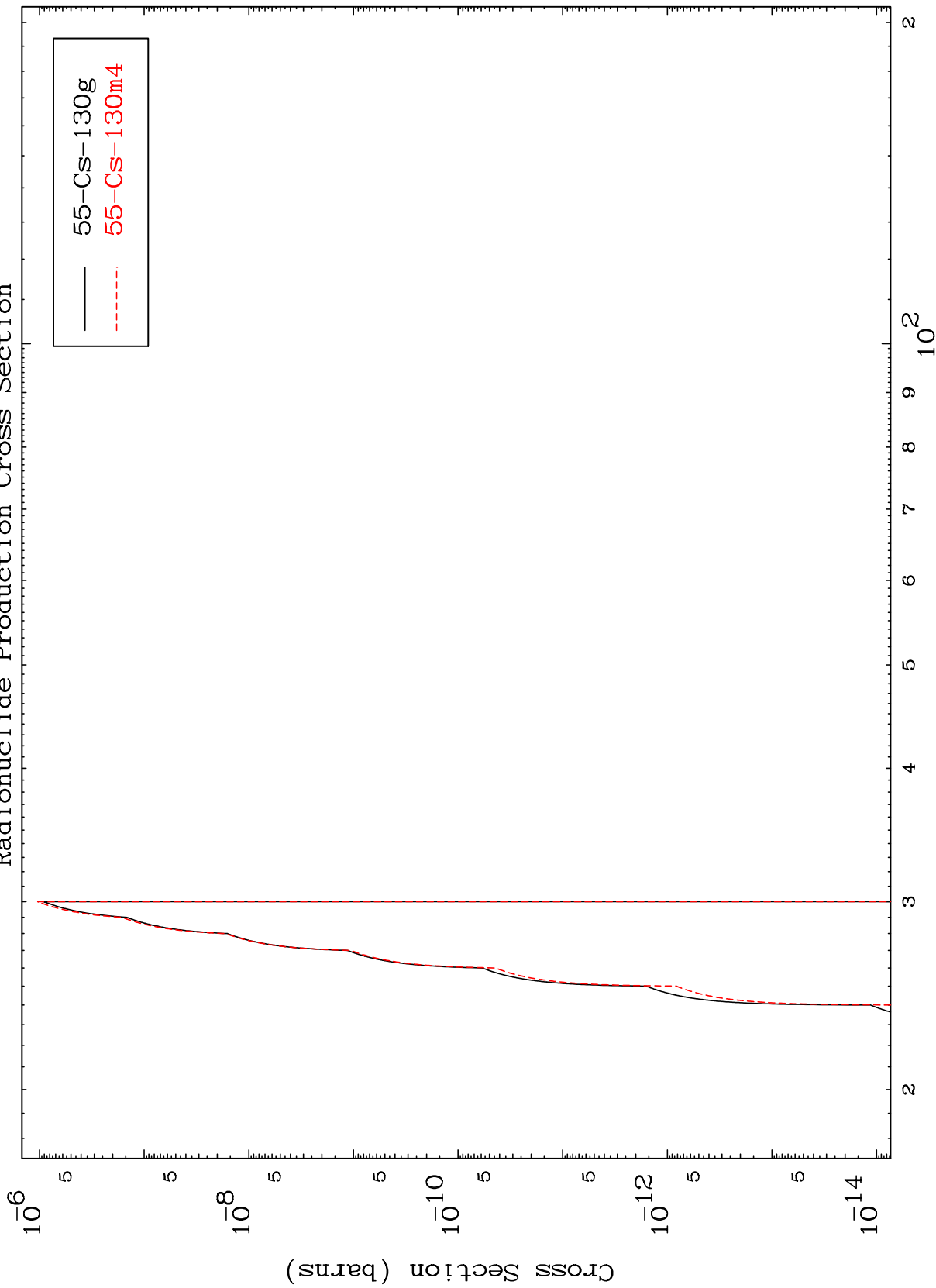


127

Incident Energy (MeV)

57-La-136

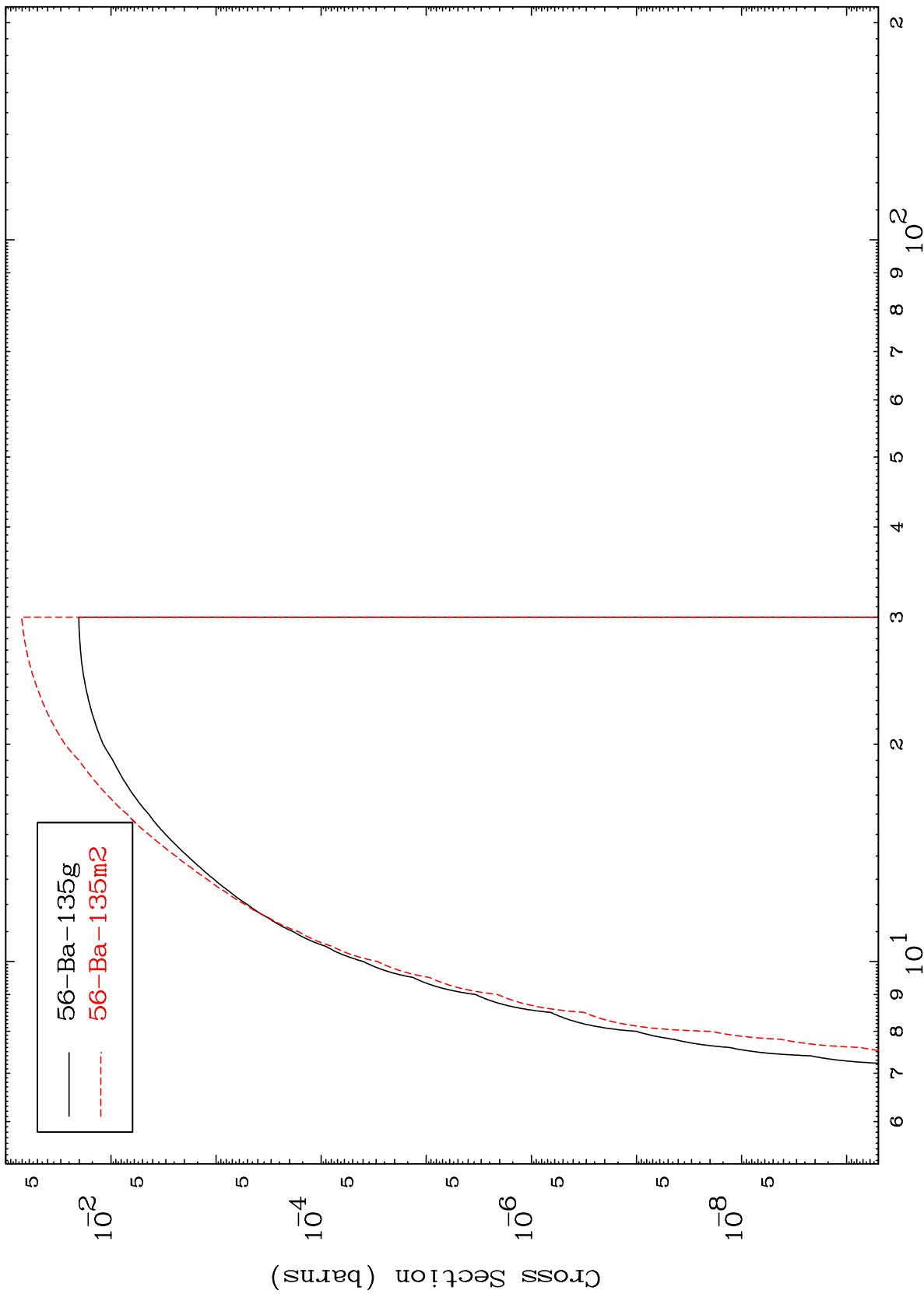
Radionuclide Production Cross Section



MAT 5719

57-La-136

(n,n') p
Radionuclide Production Cross Section



129

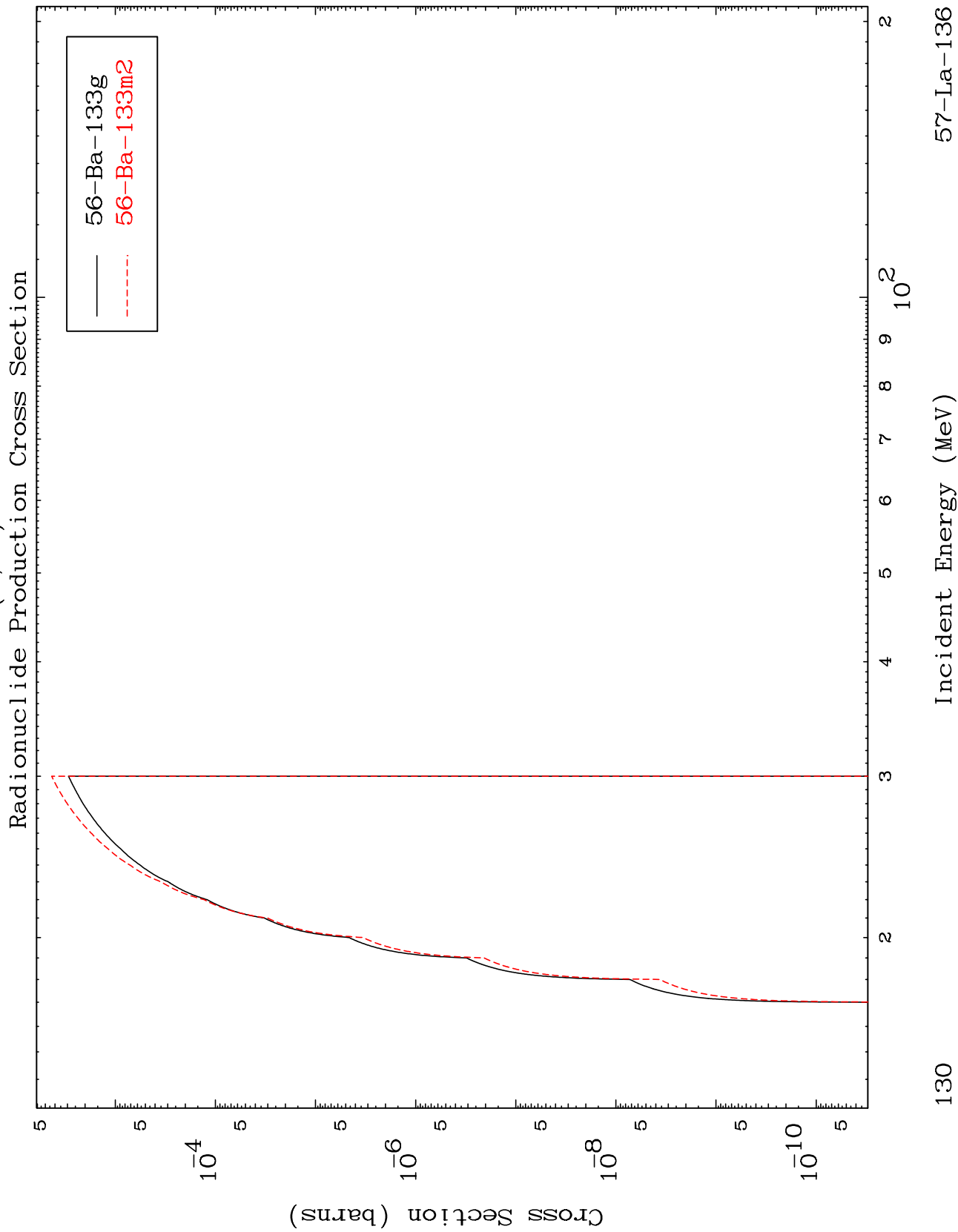
Incident Energy (MeV)

57-La-136

MAT 5719

(n,n') t

57-La-136



130

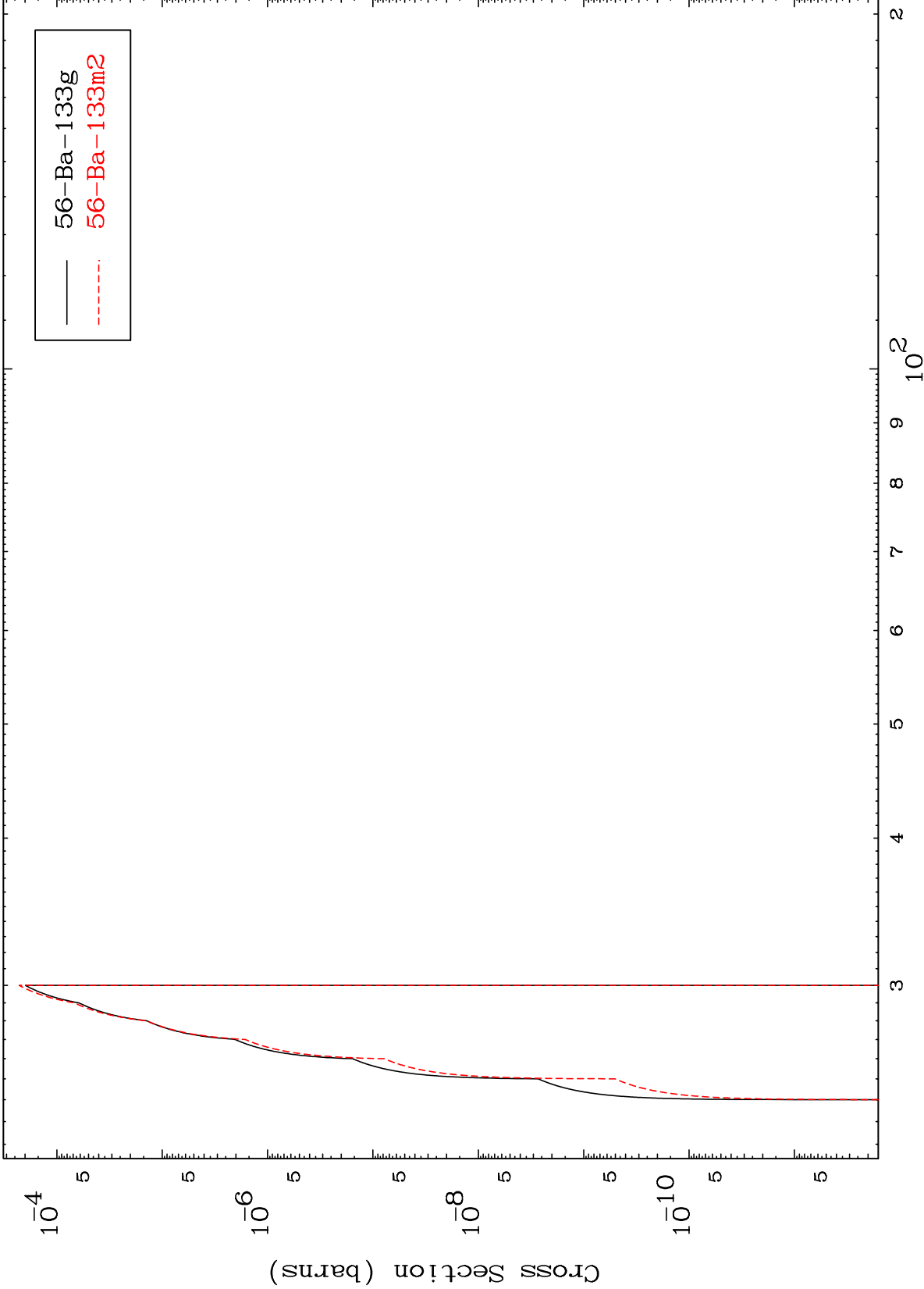
57-La-136

MAT 5719

(n,3n) p

57-La-136

Radionuclide Production Cross Section



131

Incident Energy (MeV)

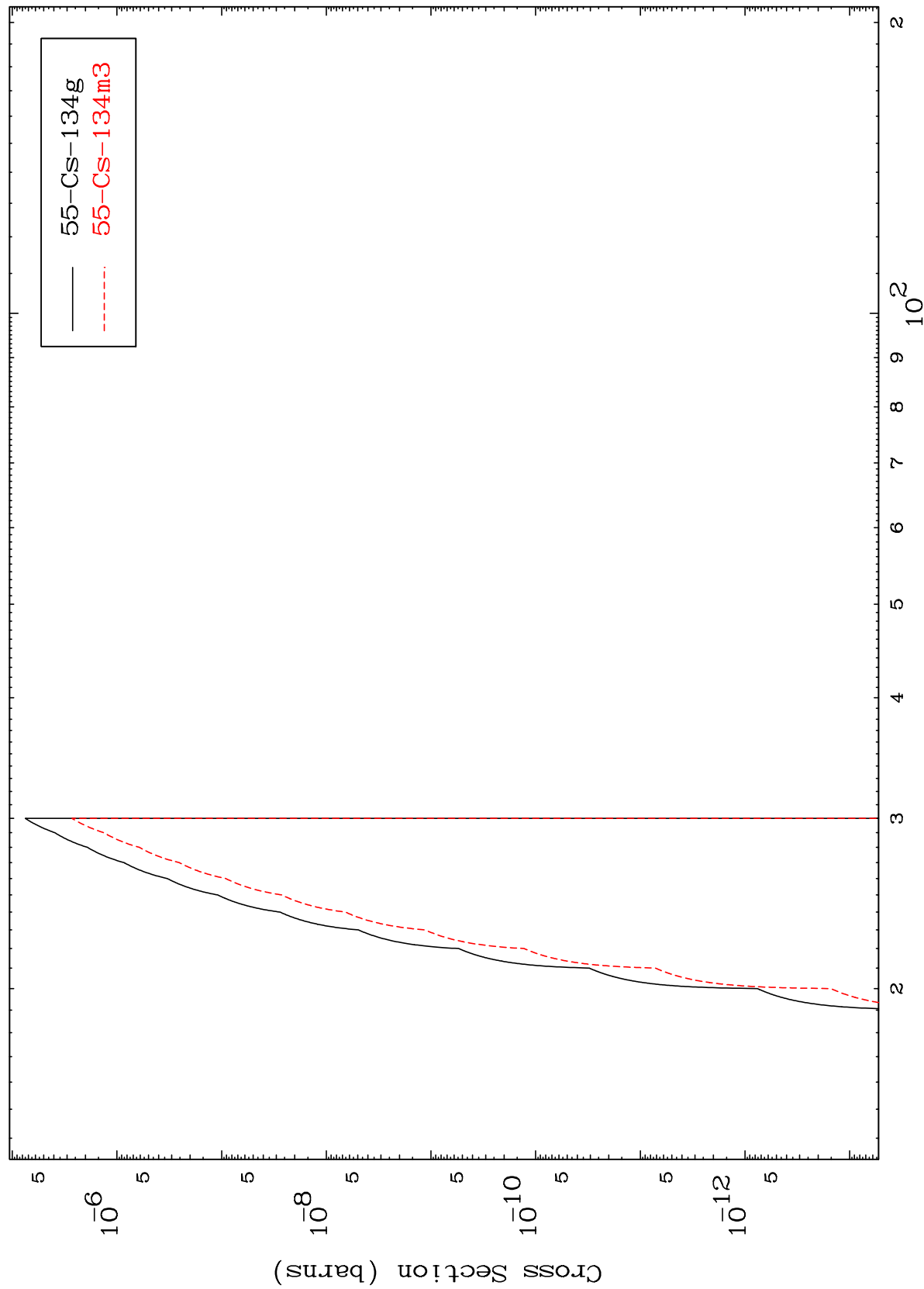
57-La-136

MAT 5719

(n,2n) p

57-La-136

Radionuclide Production Cross Section



55-Cs-134g
55-Cs-134m3

132

Incident Energy (MeV)

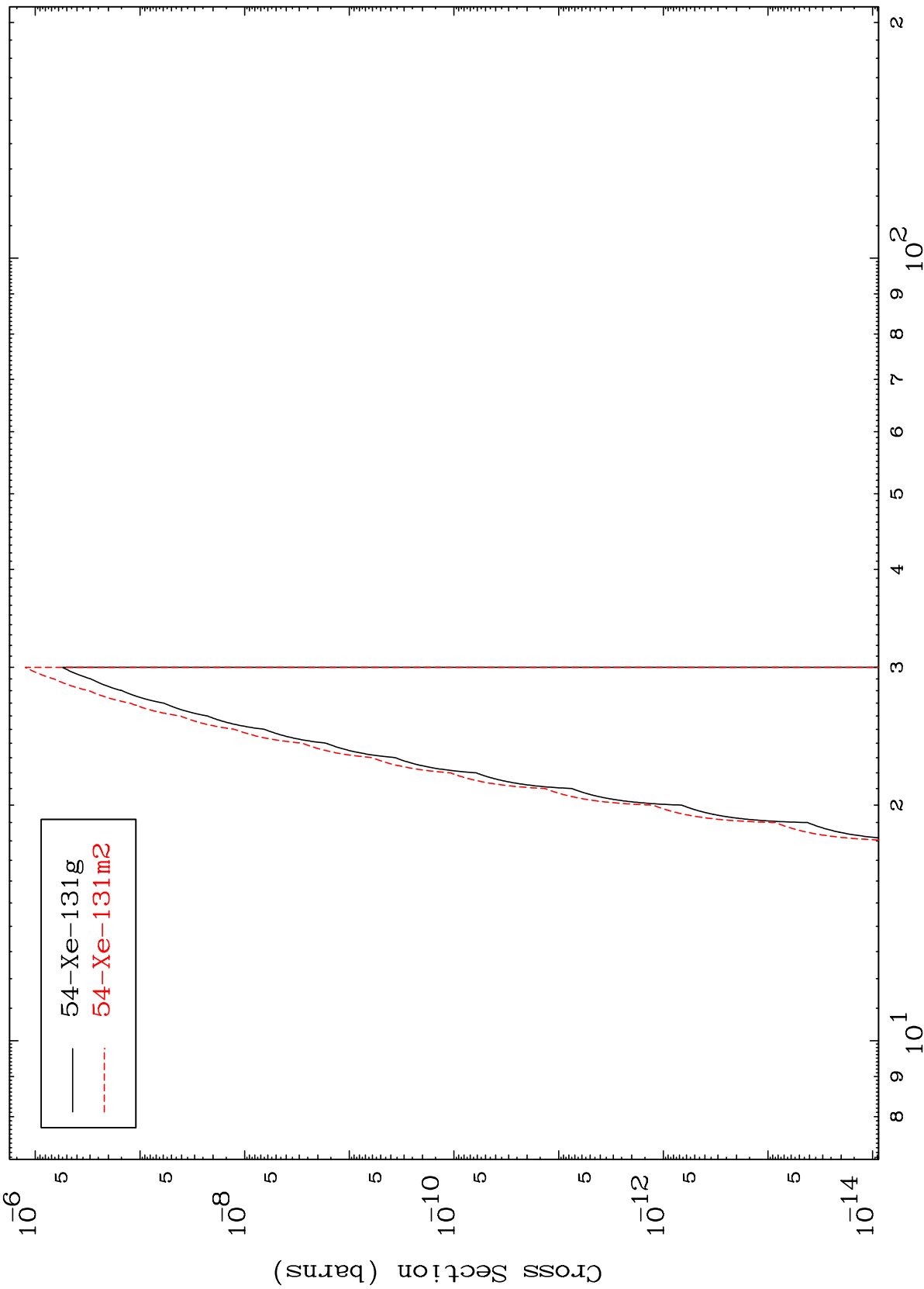
57-La-136

MAT 5719

(n,n') p α

57-La-136

Radionuclide Production Cross Section



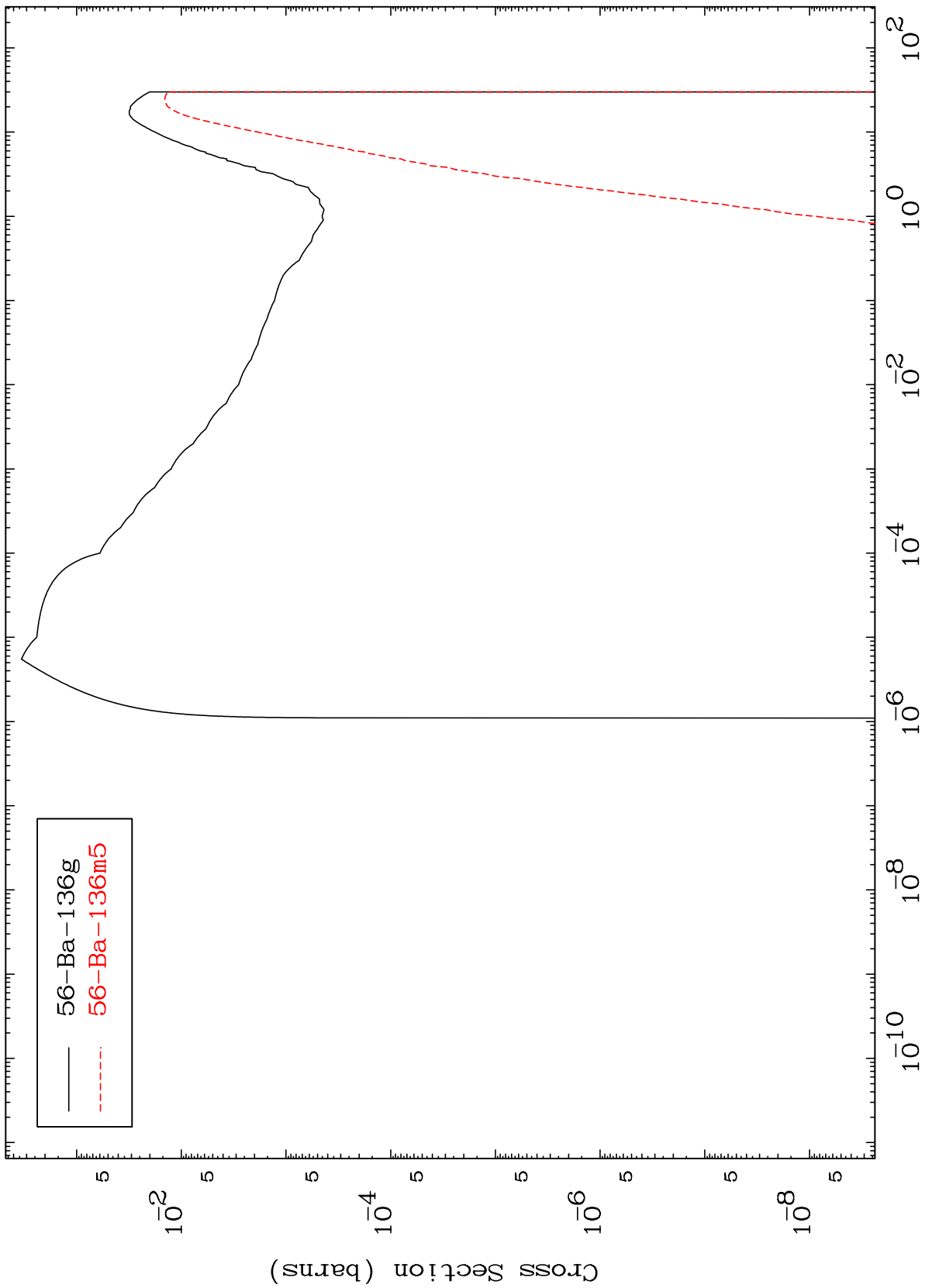
133

57-La-136

MAT 5719

57-La-136

Radionuclide Production Cross Section



56-Ba-136g
56-Ba-136m5

57-La-136

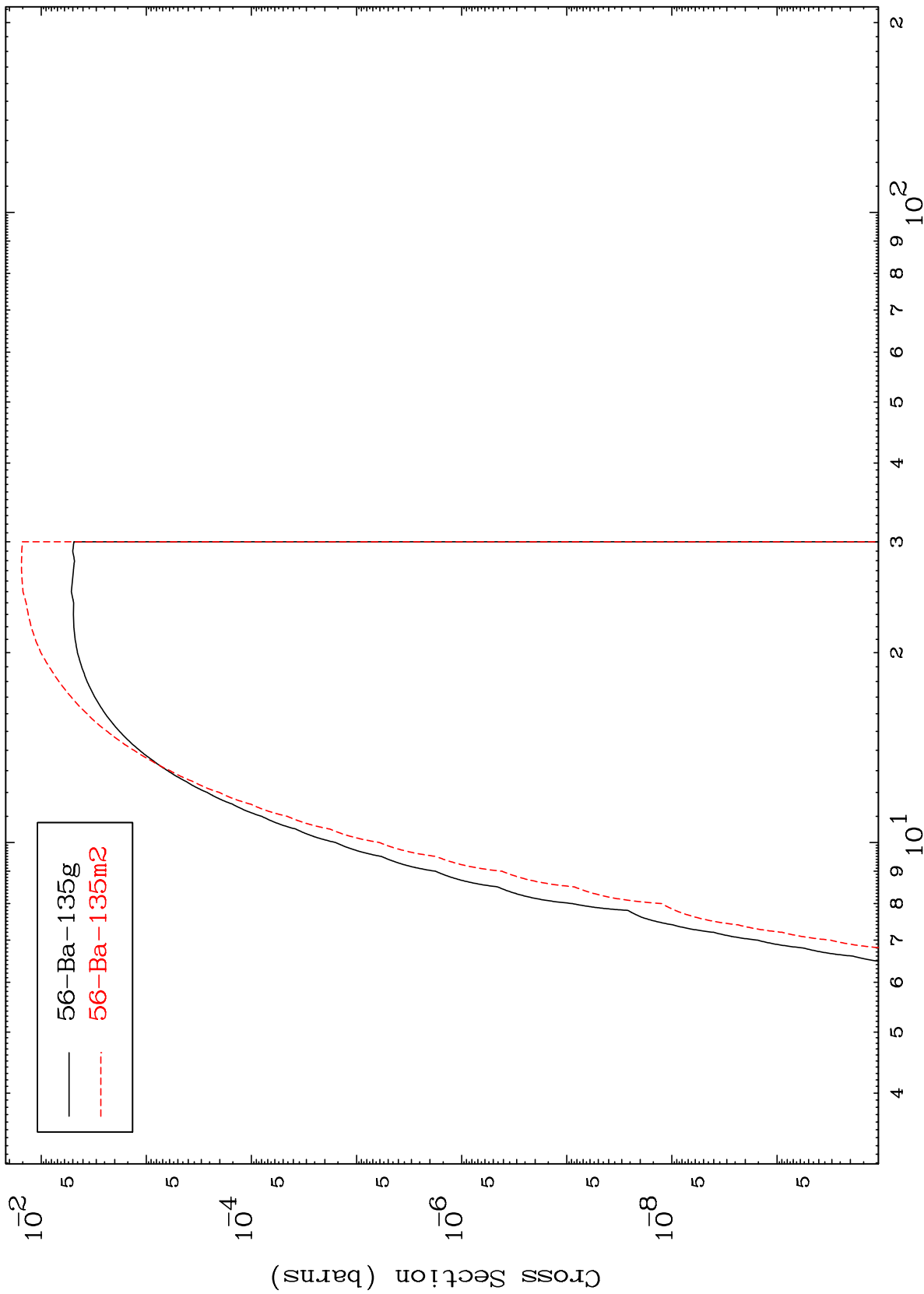
Incident Energy (MeV)

134

MAT 5719

57-La-136

(n,d)
Radionuclide Production Cross Section



135

Incident Energy (MeV)

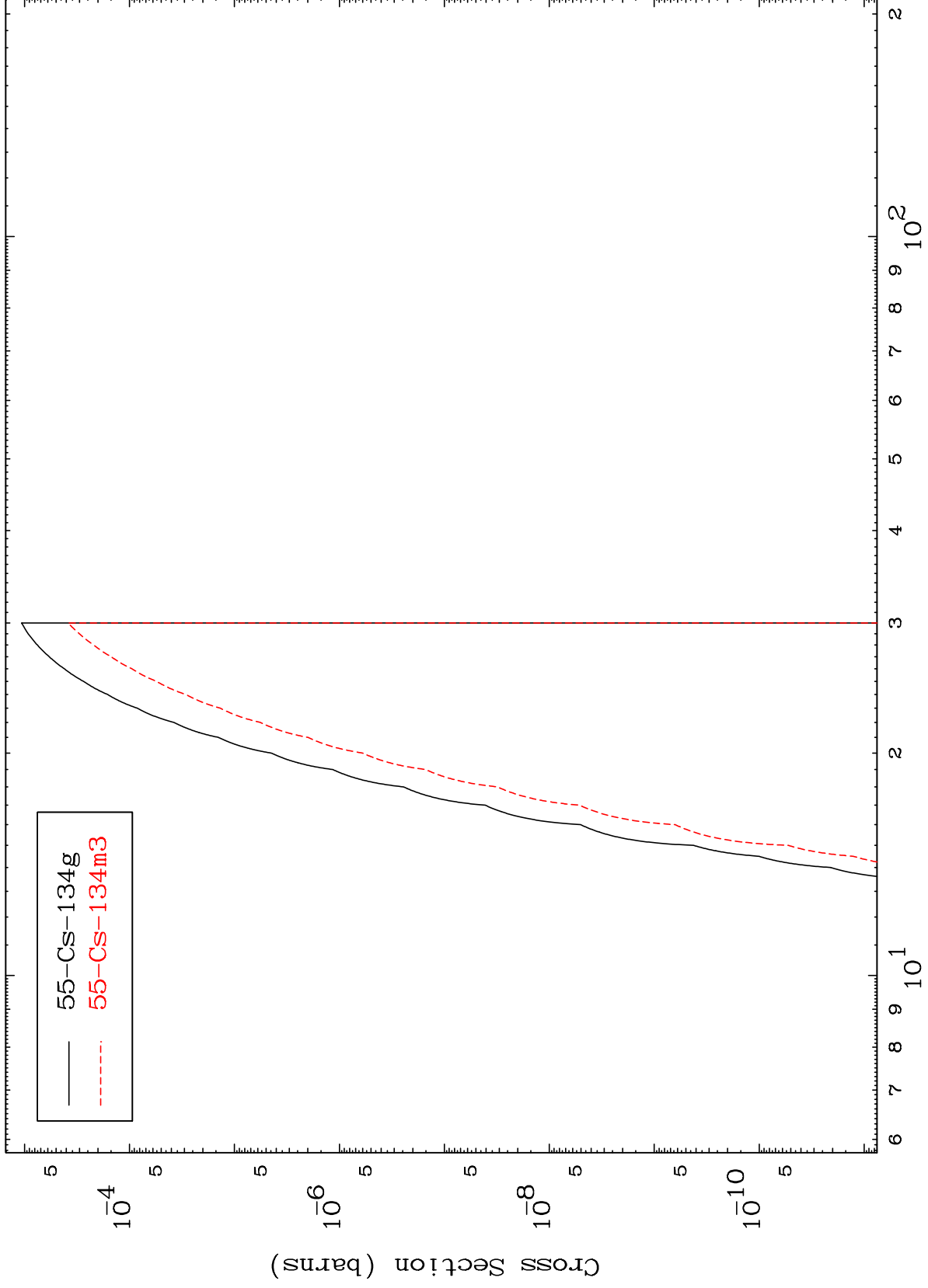
57-La-136

MAT 5719

(n,He-3)

57-La-136

Radionuclide Production Cross Section



136

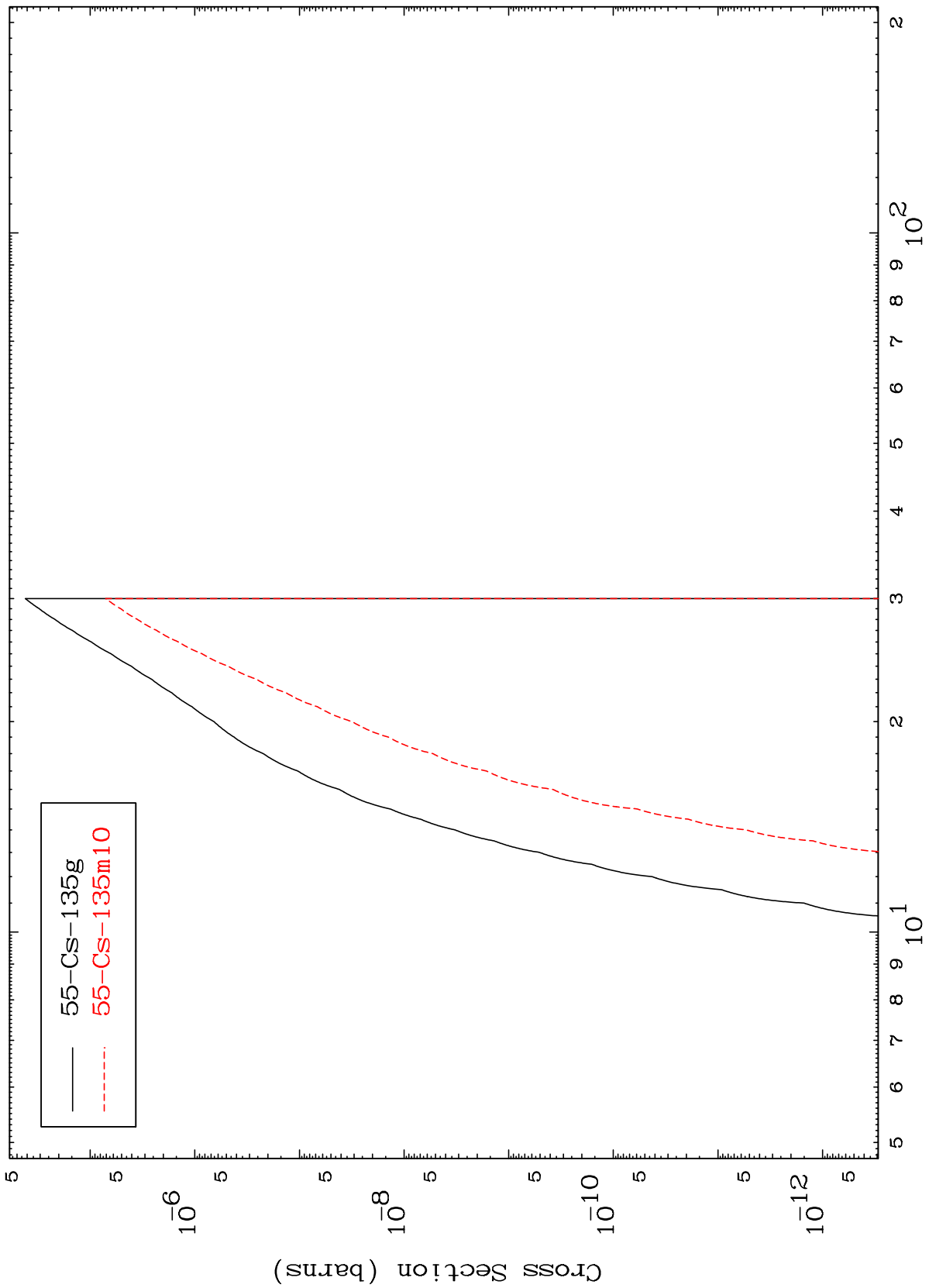
Incident Energy (MeV)

57-La-136

MAT 5719

57-La-136

(n,2p)
Radionuclide Production Cross Section



55-Cs-135g
55-Cs-135m10

137

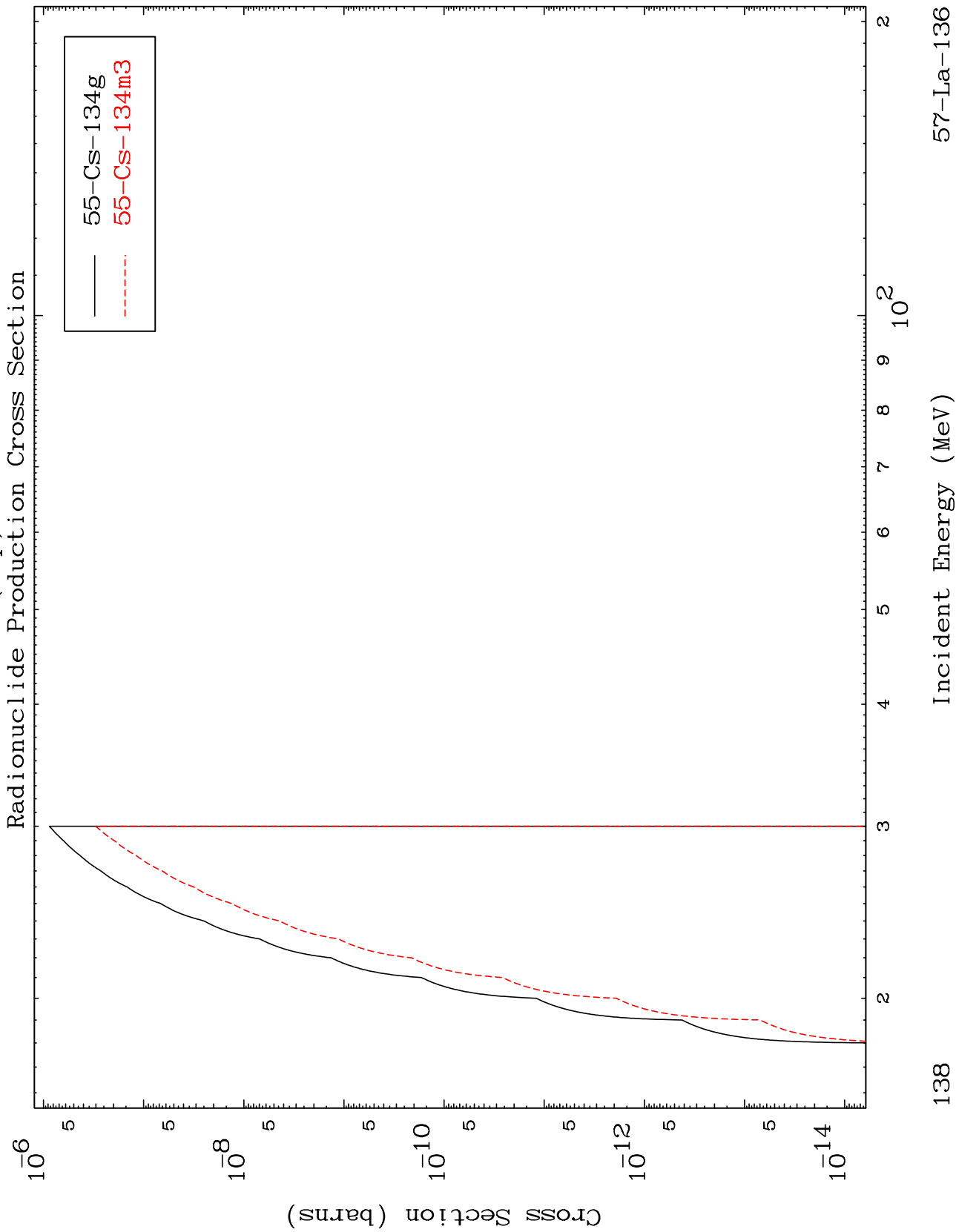
Incident Energy (MeV)

57-La-136

MAT 5719

(n,p) d

57-La-136



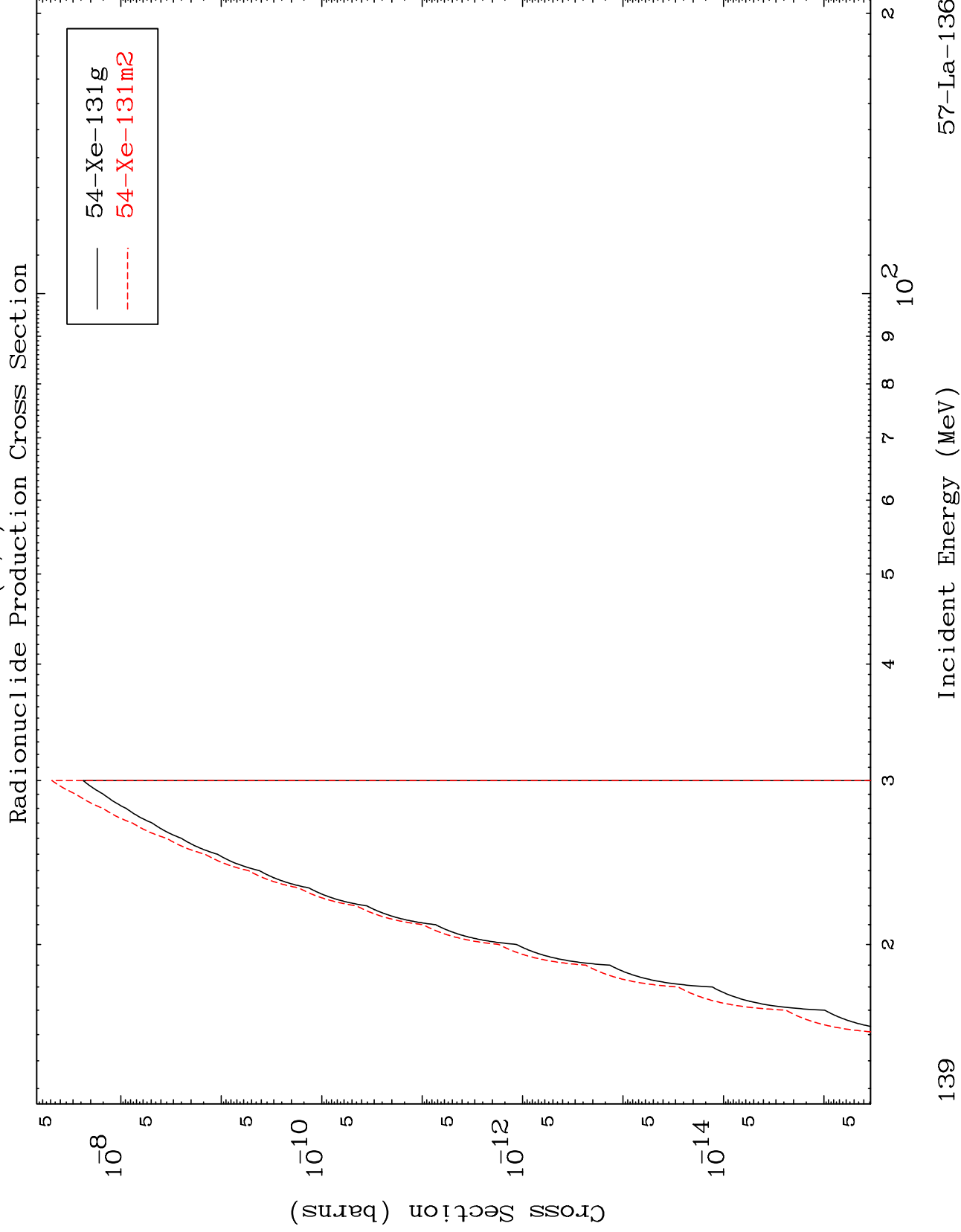
138

57-La-136

MAT 5719

(n,d) α

57-La-136



139

Incident Energy (MeV)

57-La-136