

Program EVALPLOT  
(Version 2017-1)

by

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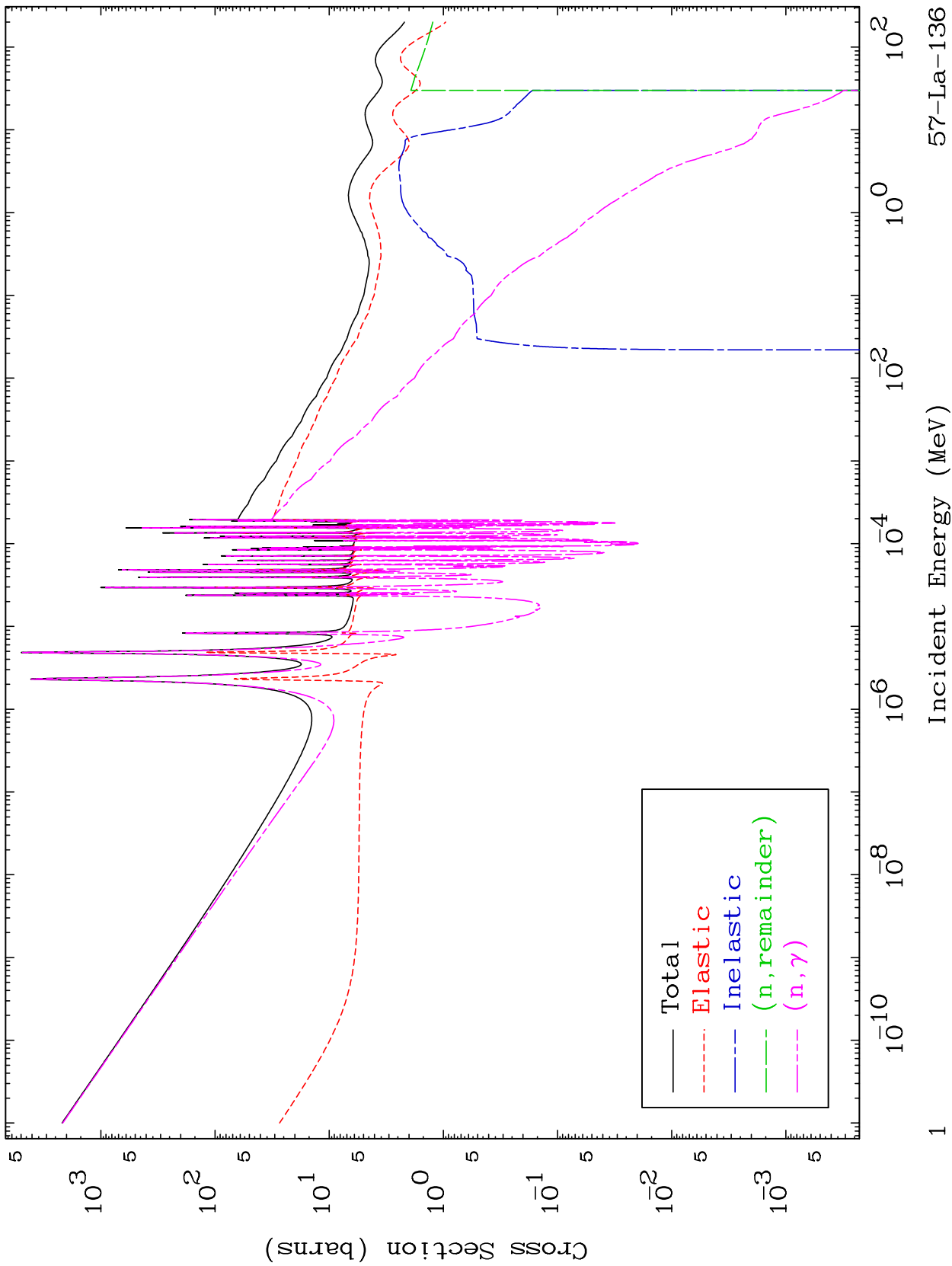
Press Mouse Button to Start

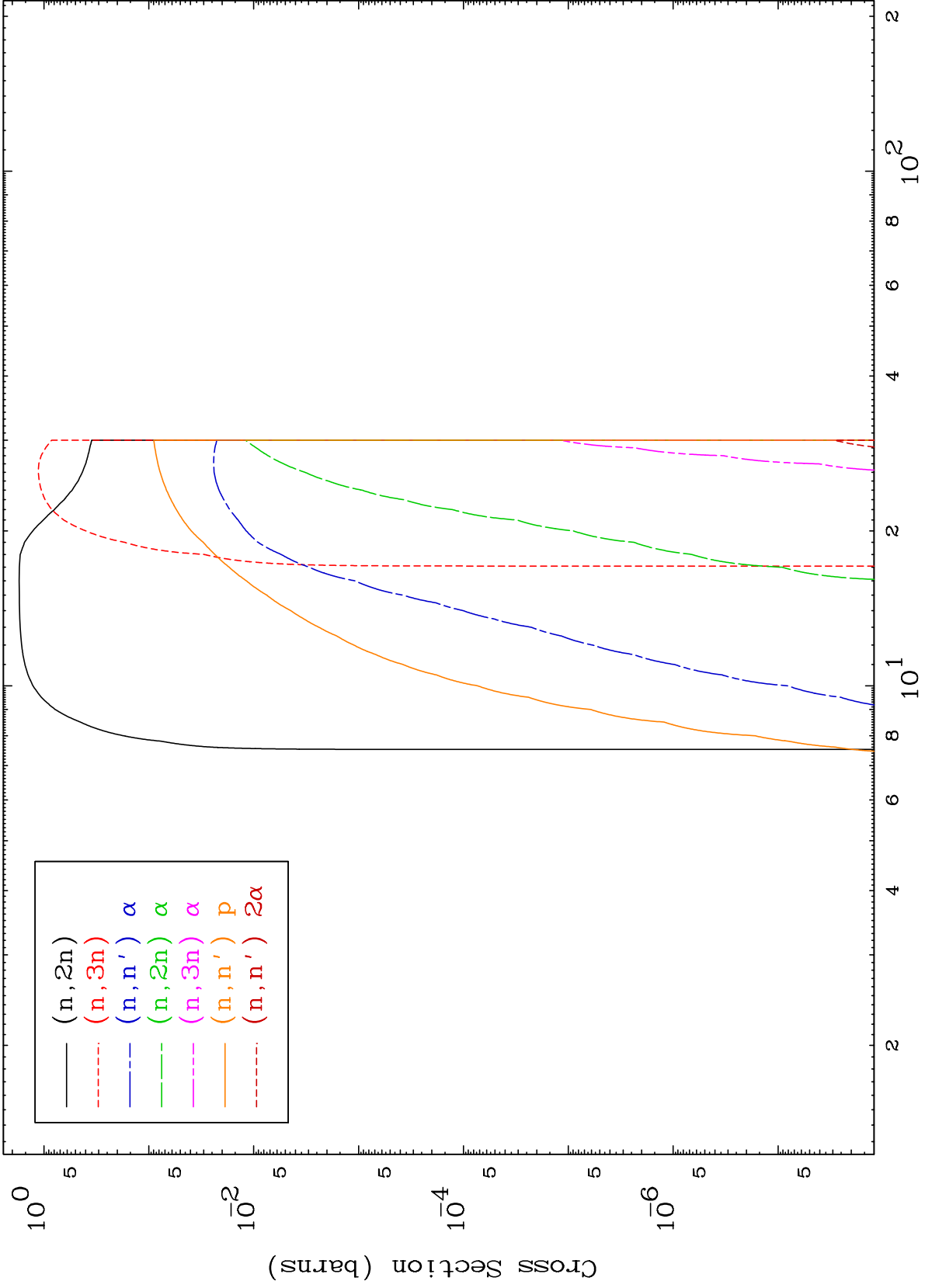
MAT 5719

Major

293 Kelvin Cross Sections

57-La-136

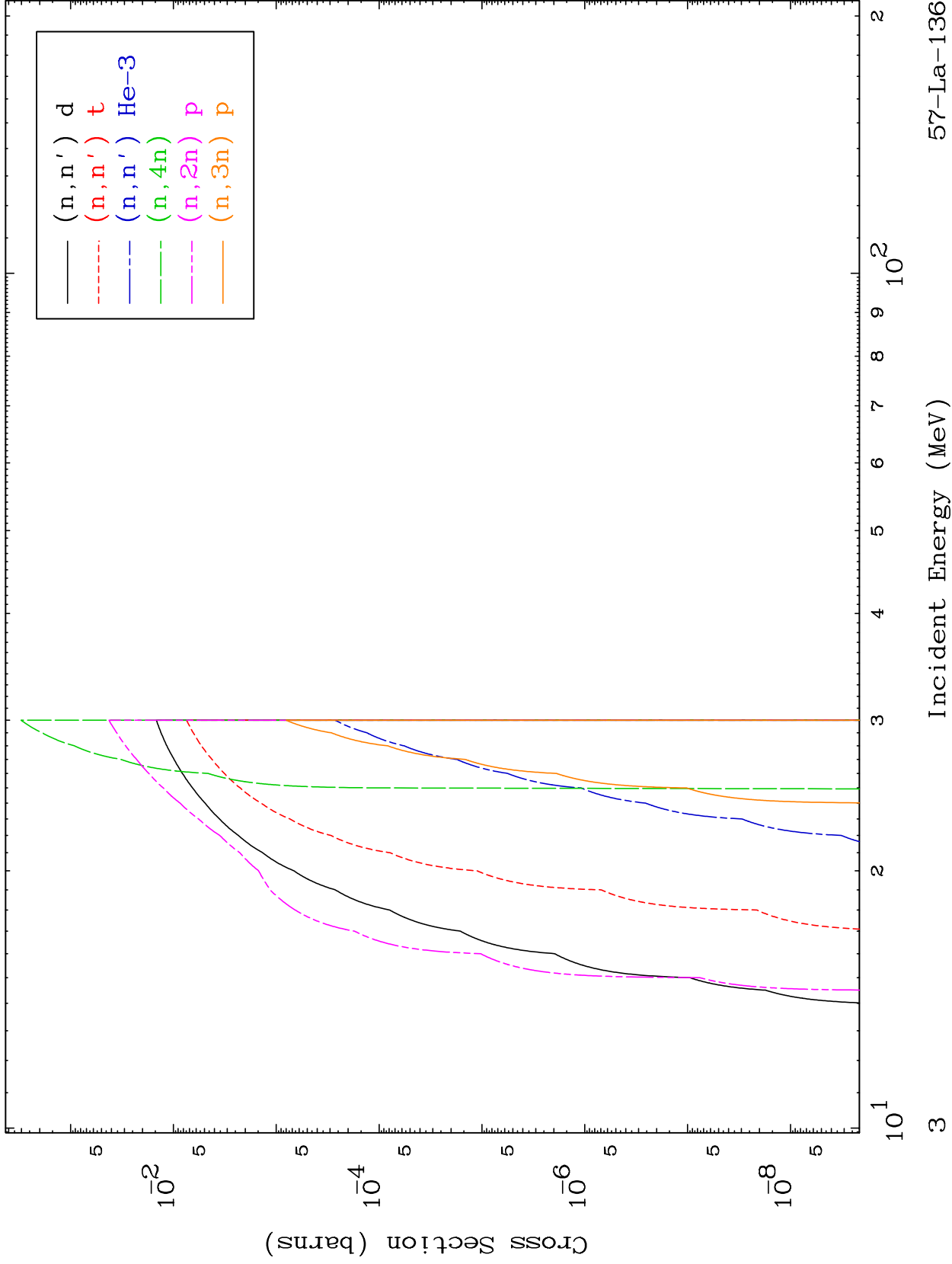




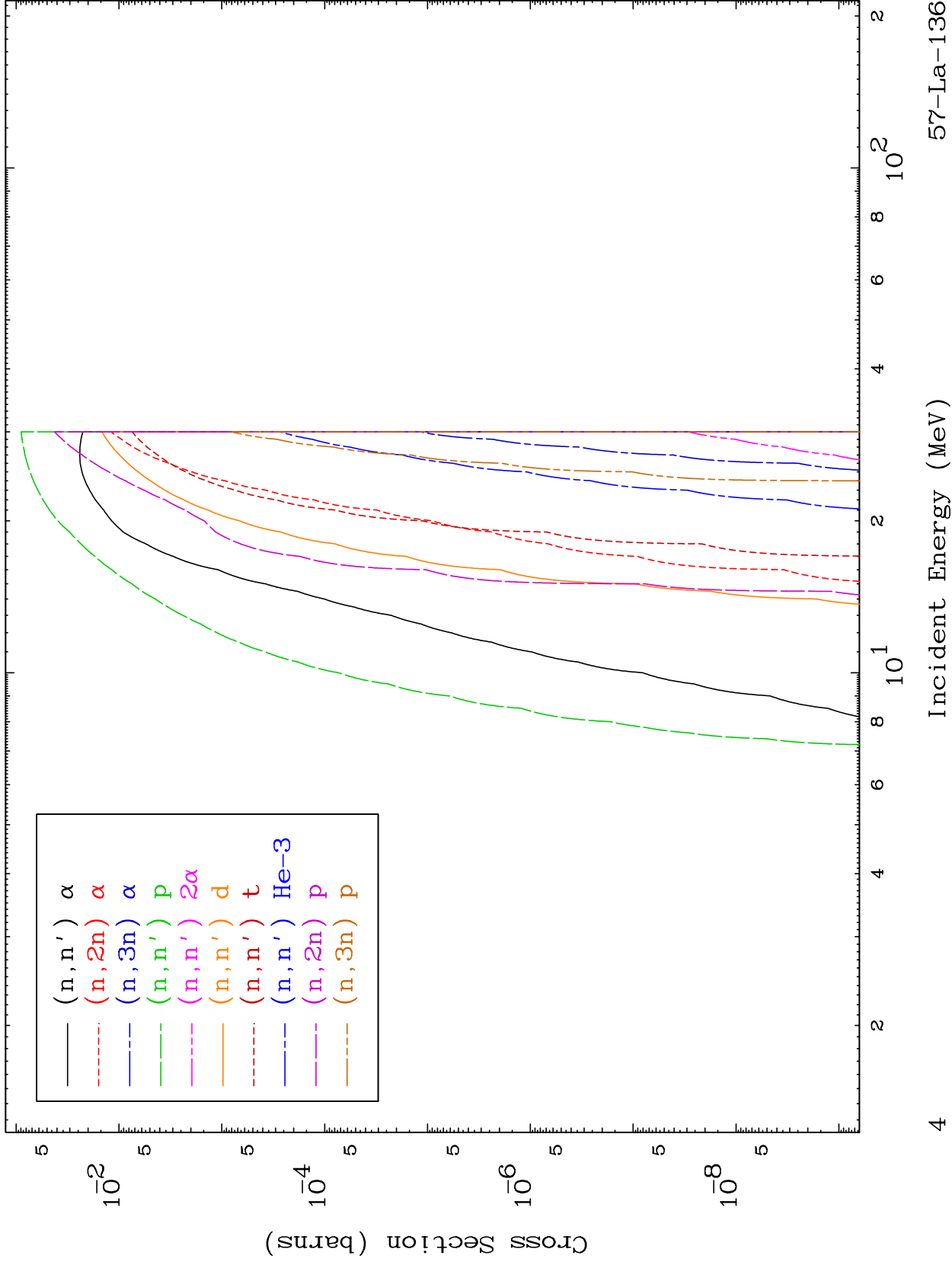
MAT 5719

Neutron Production  
293 Kelvin Cross Sections

57-La-136



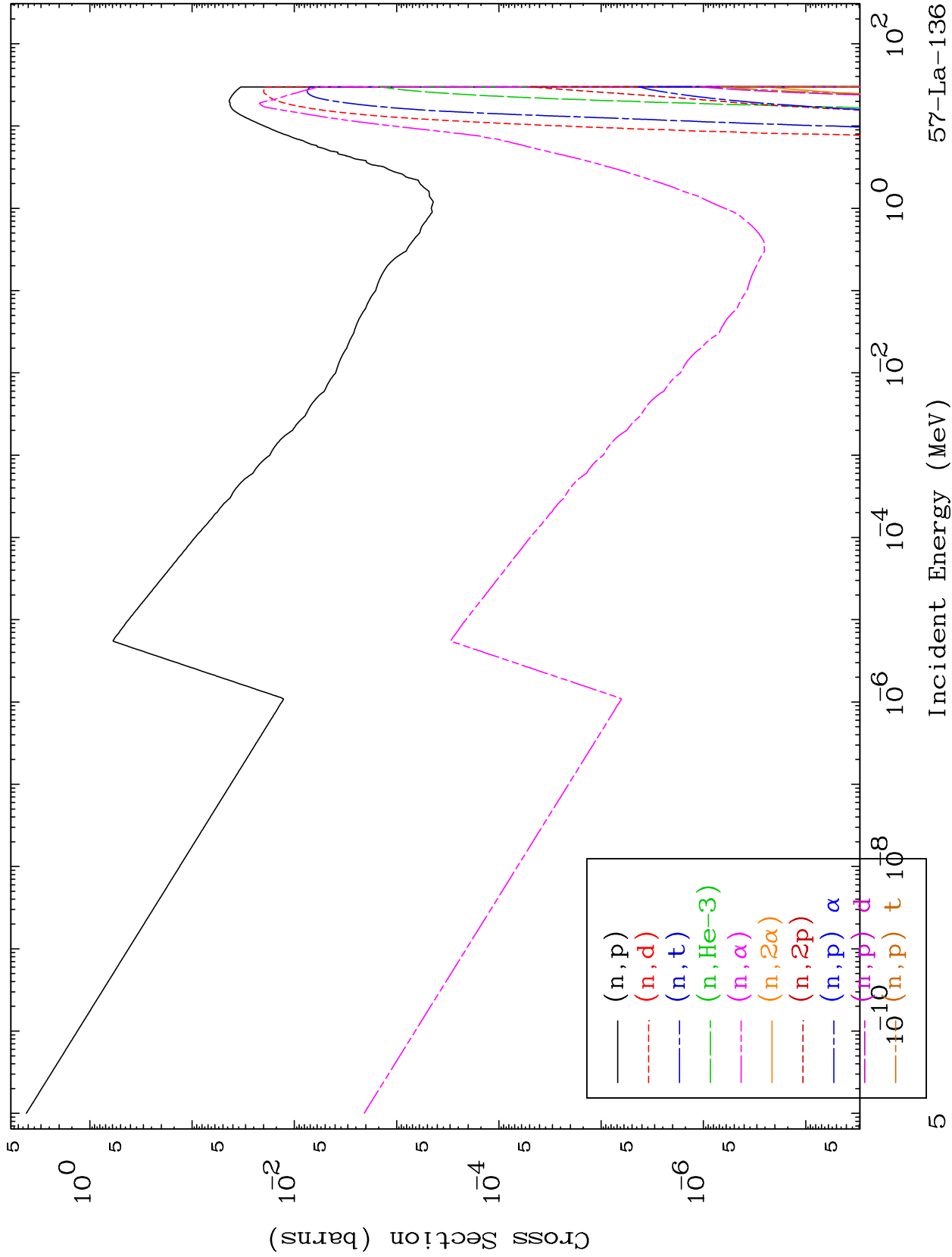
57-La-136



MAT 5719

Charged Particle  
293 Kelvin Cross Sections

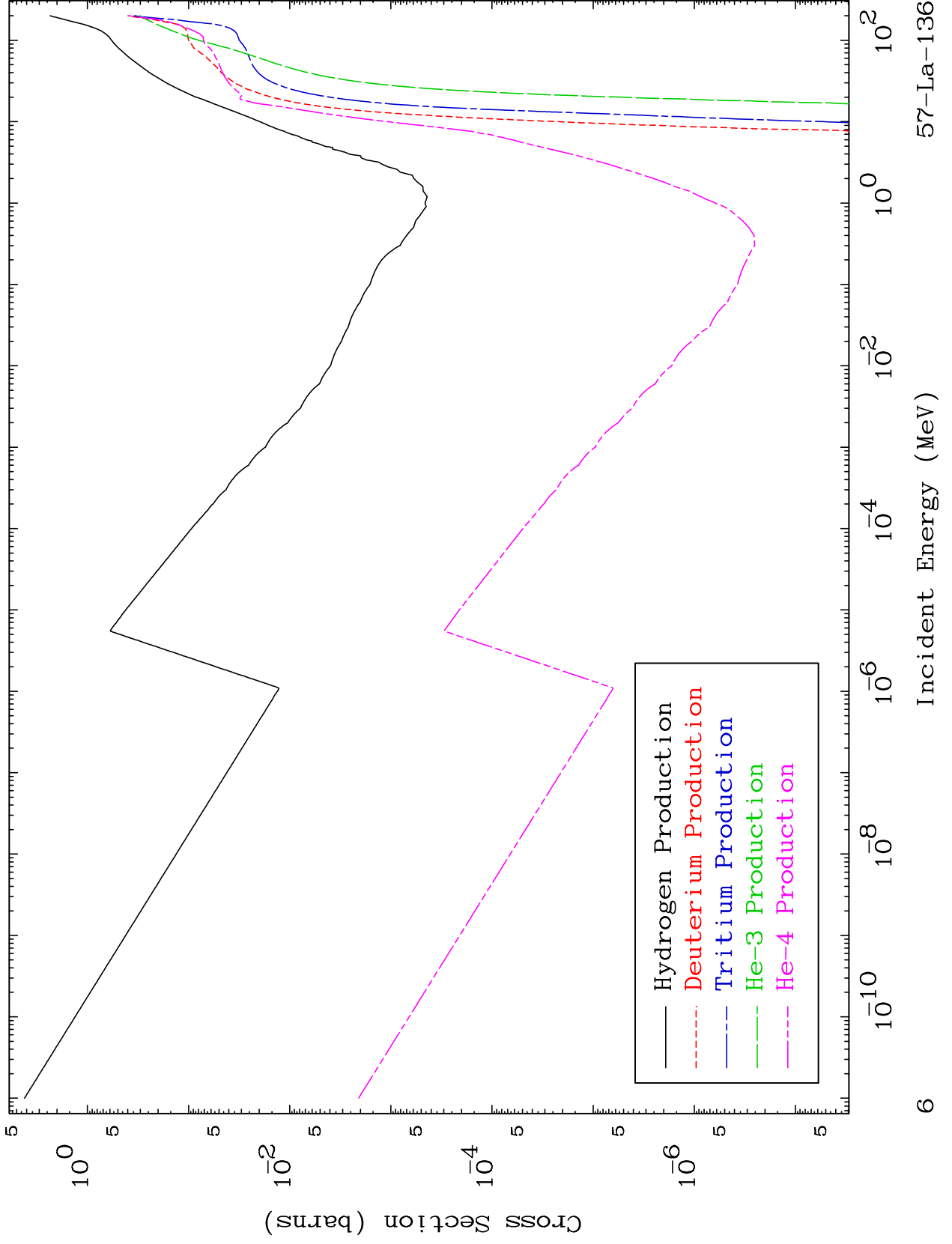
57-La-136

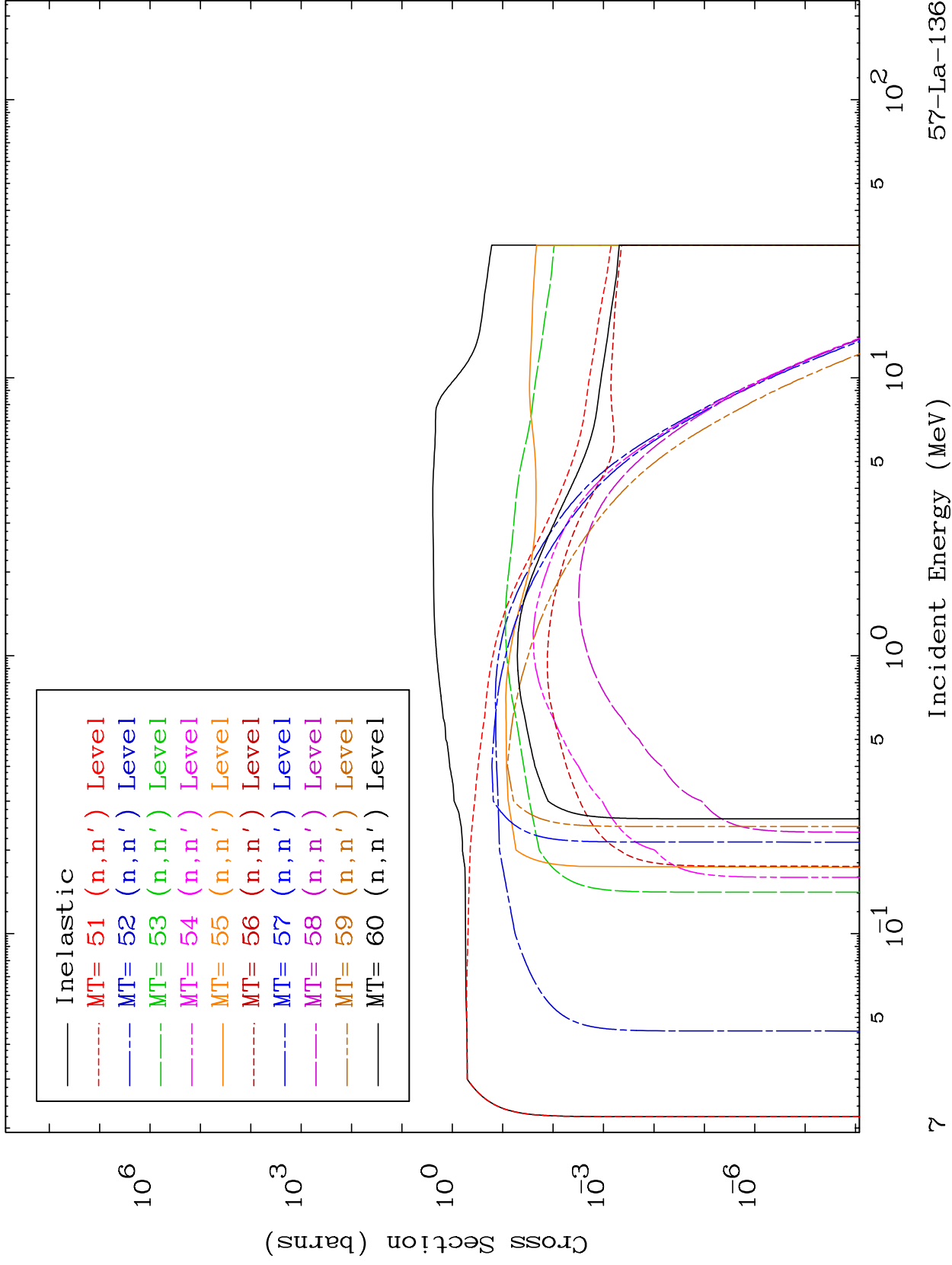


MAT 5719

Particle Production  
293 Kelvin Cross Sections

57-La-136





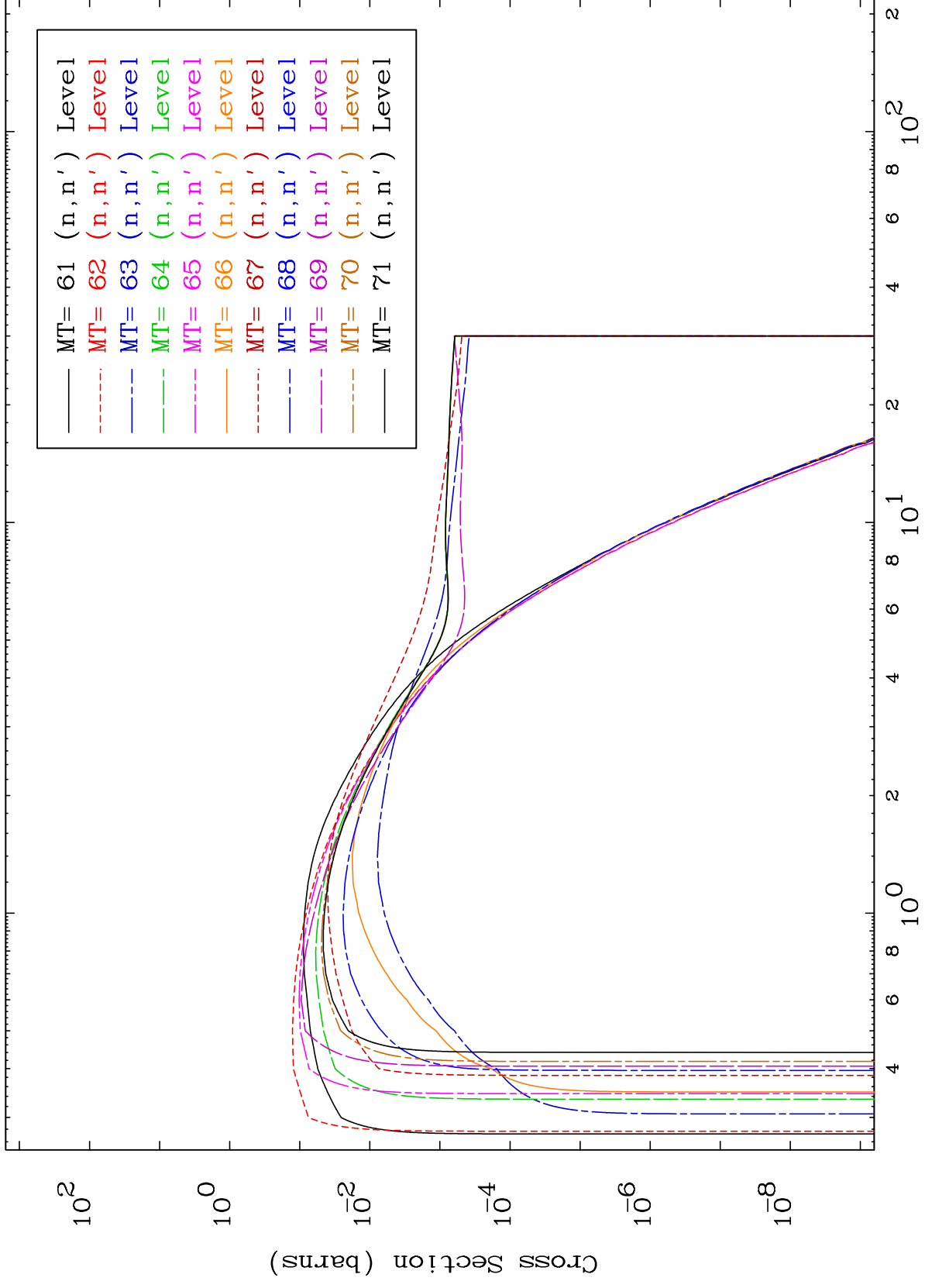


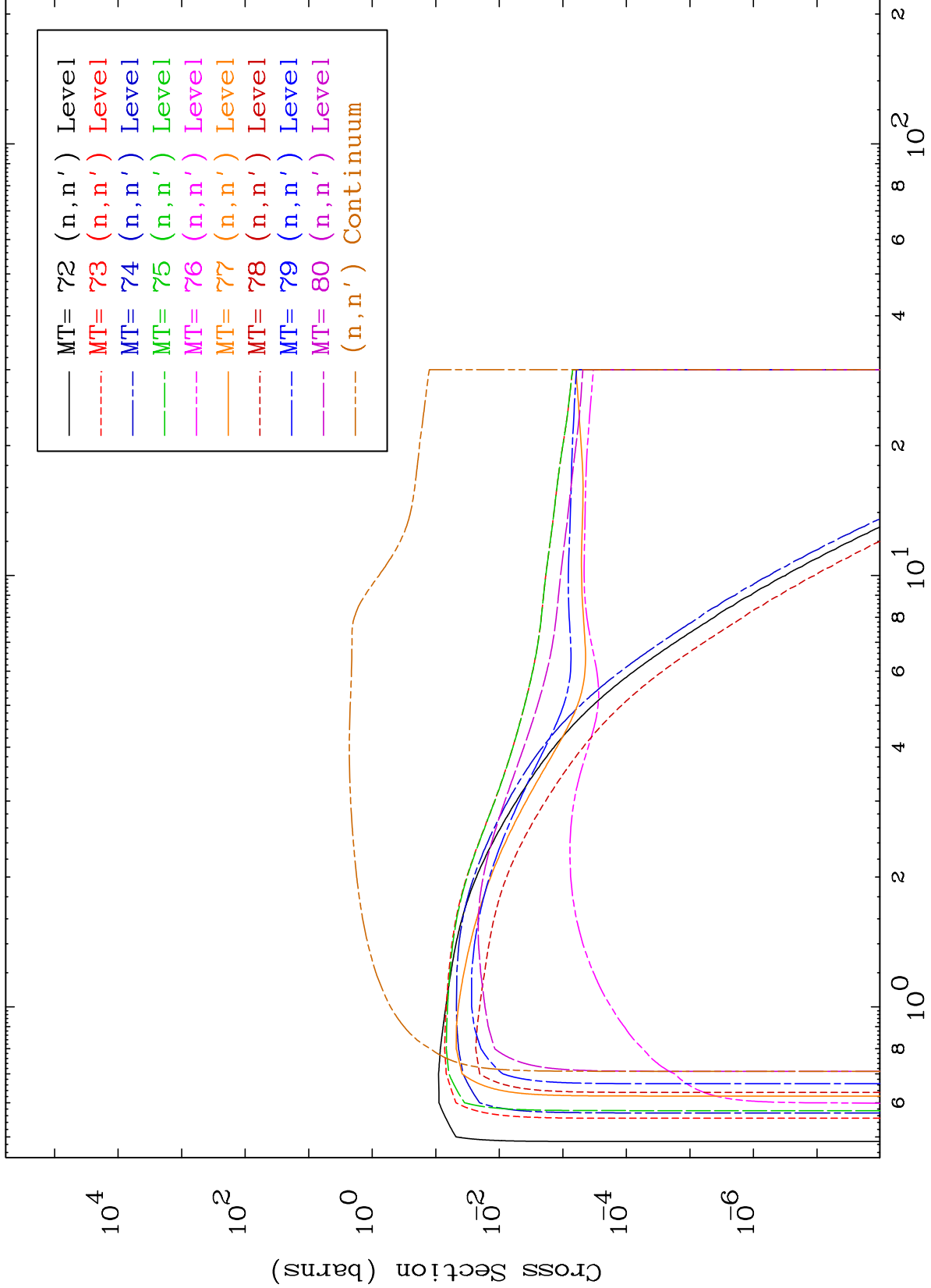
MAT 5719

(n,n') Level

293 Kelvin Cross Sections

57-La-136

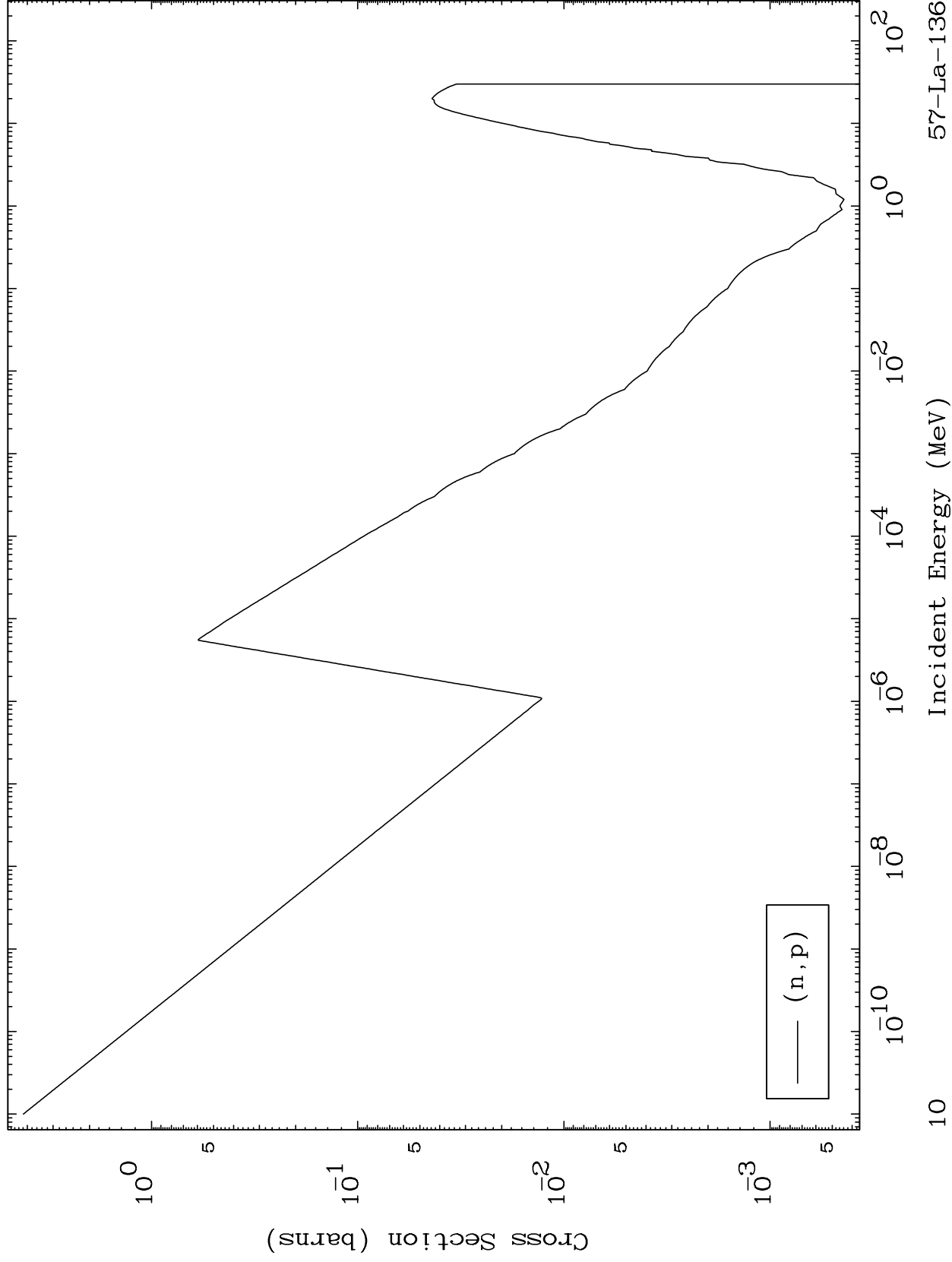




MAT 5719

(n,p) Levels  
293 Kelvin Cross Sections

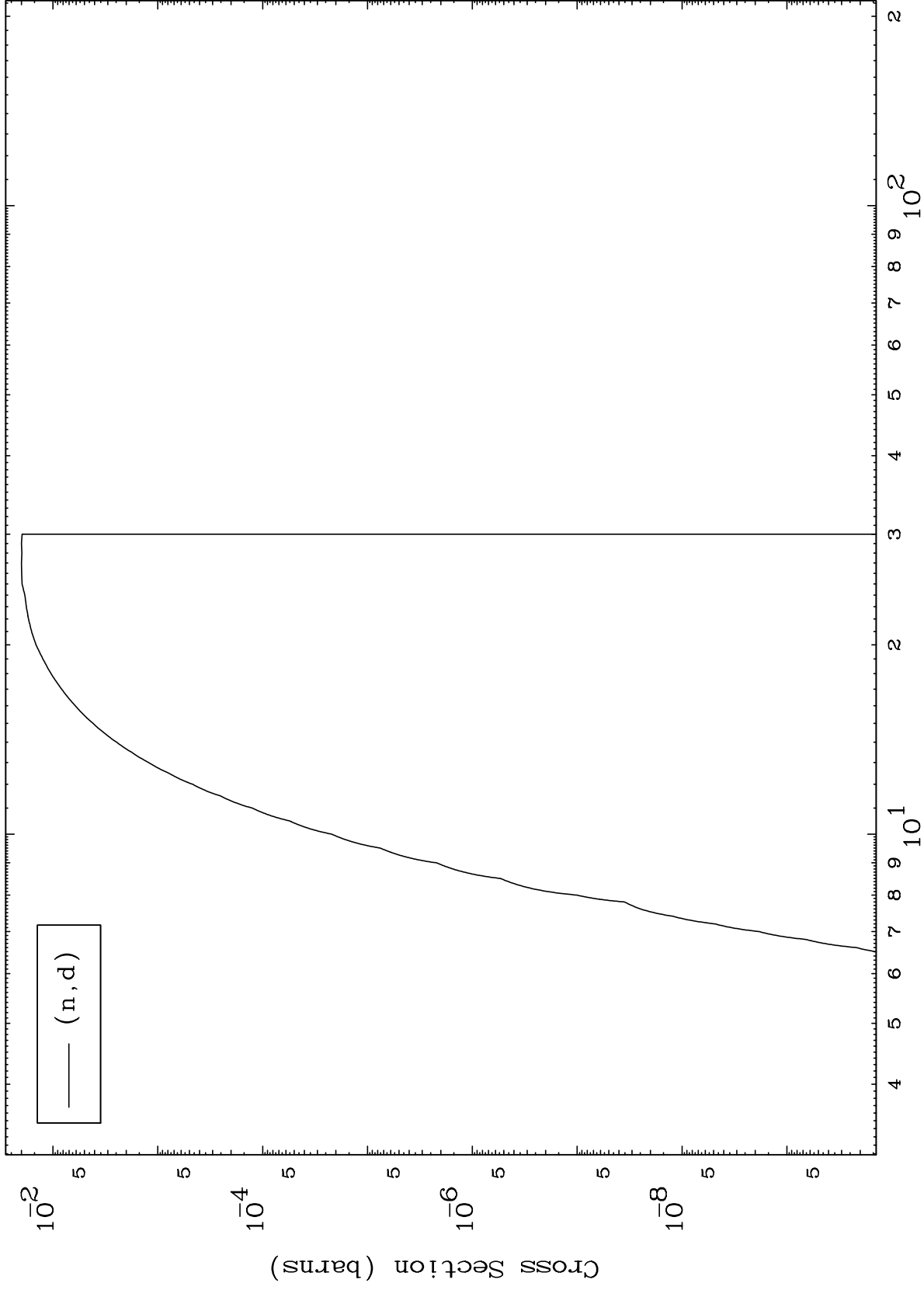
57-La-136



MAT 5719

(n,d) Levels  
293 Kelvin Cross Sections

57-La-136



11

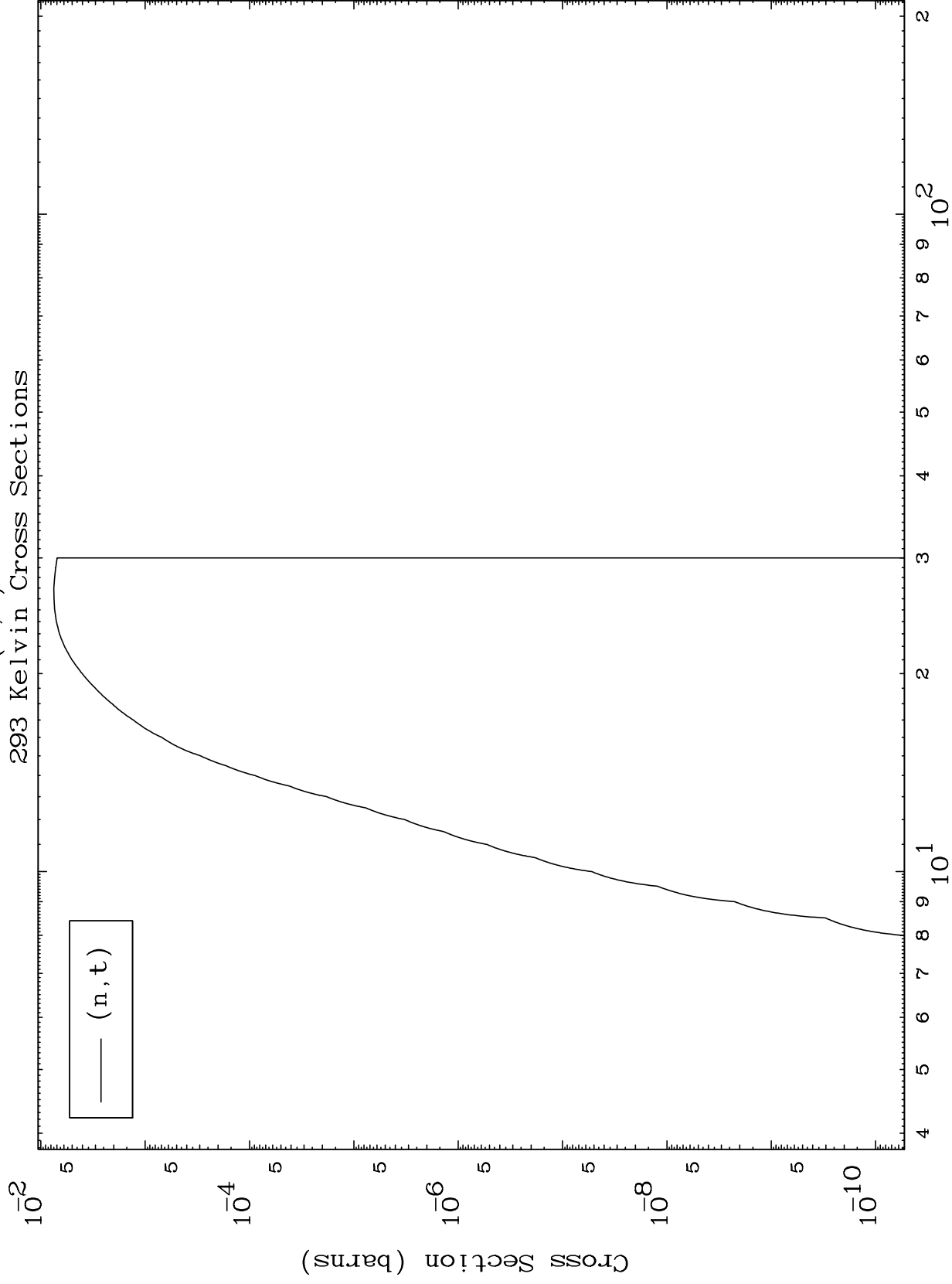
Incident Energy (MeV)

57-La-136

MAT 5719

(n,t) Levels  
293 Kelvin Cross Sections

57-La-136



12

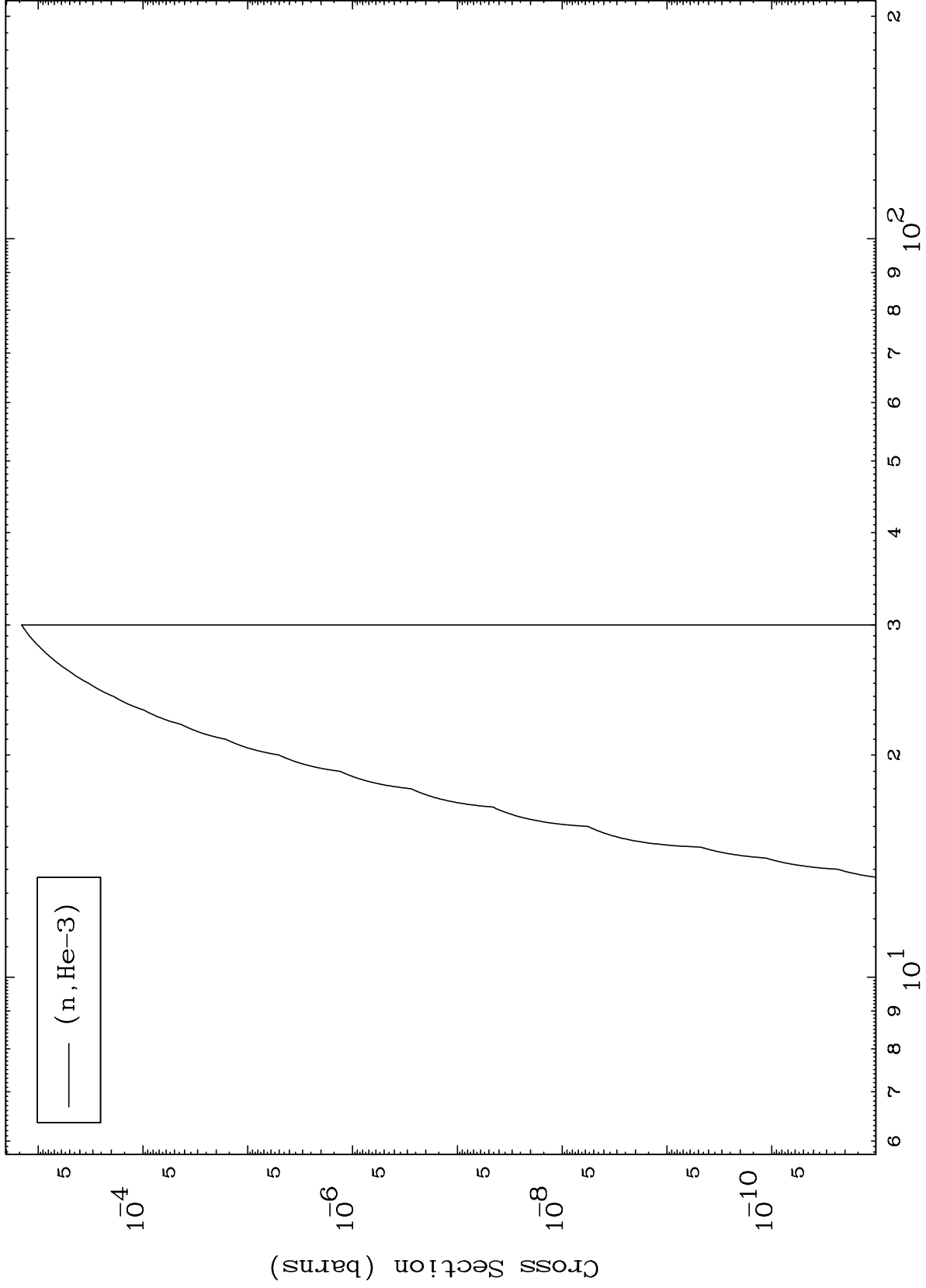
Incident Energy (MeV)

57-La-136

MAT 5719

(n,He3) Levels  
293 Kelvin Cross Sections

57-La-136



13

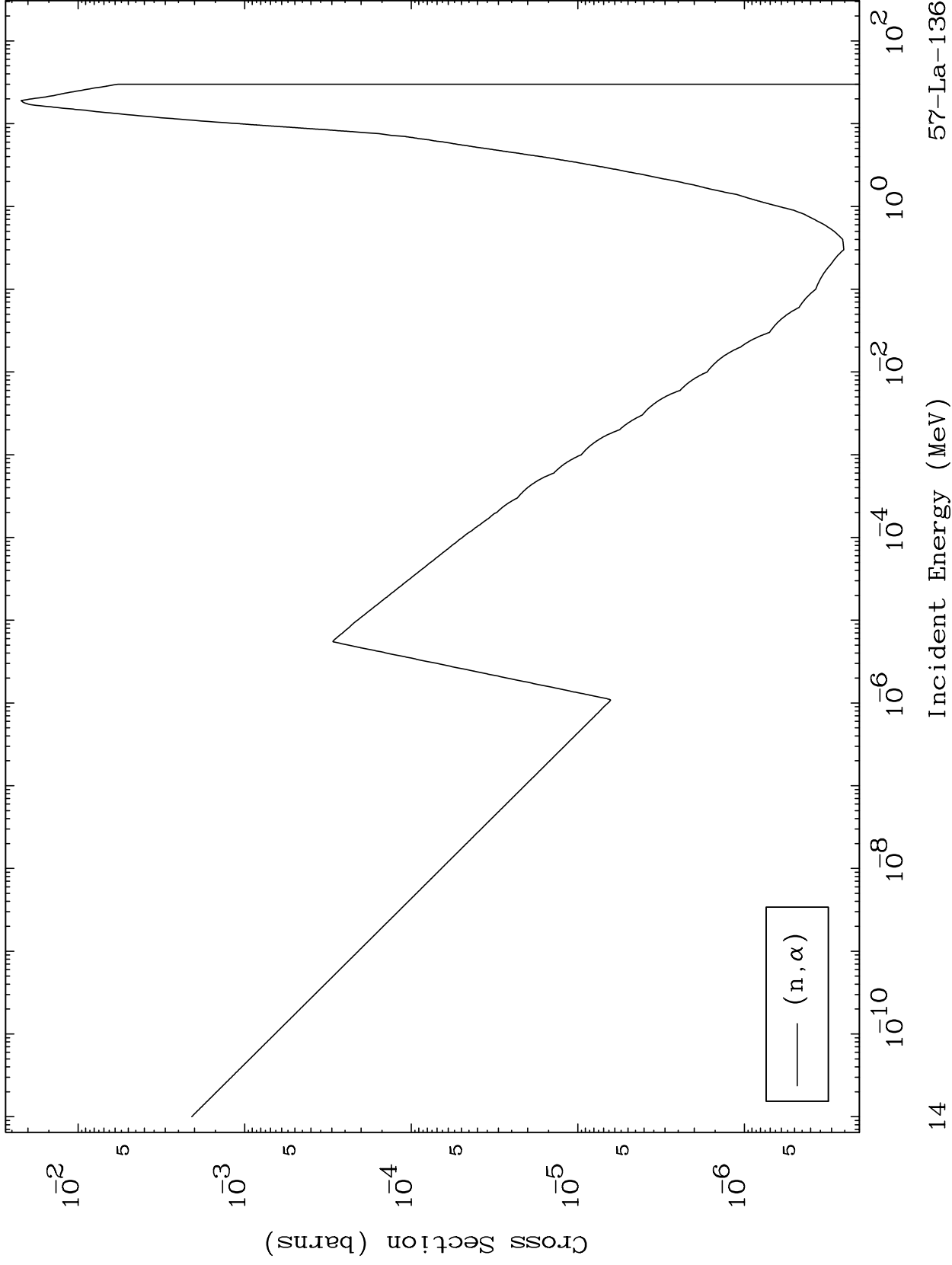
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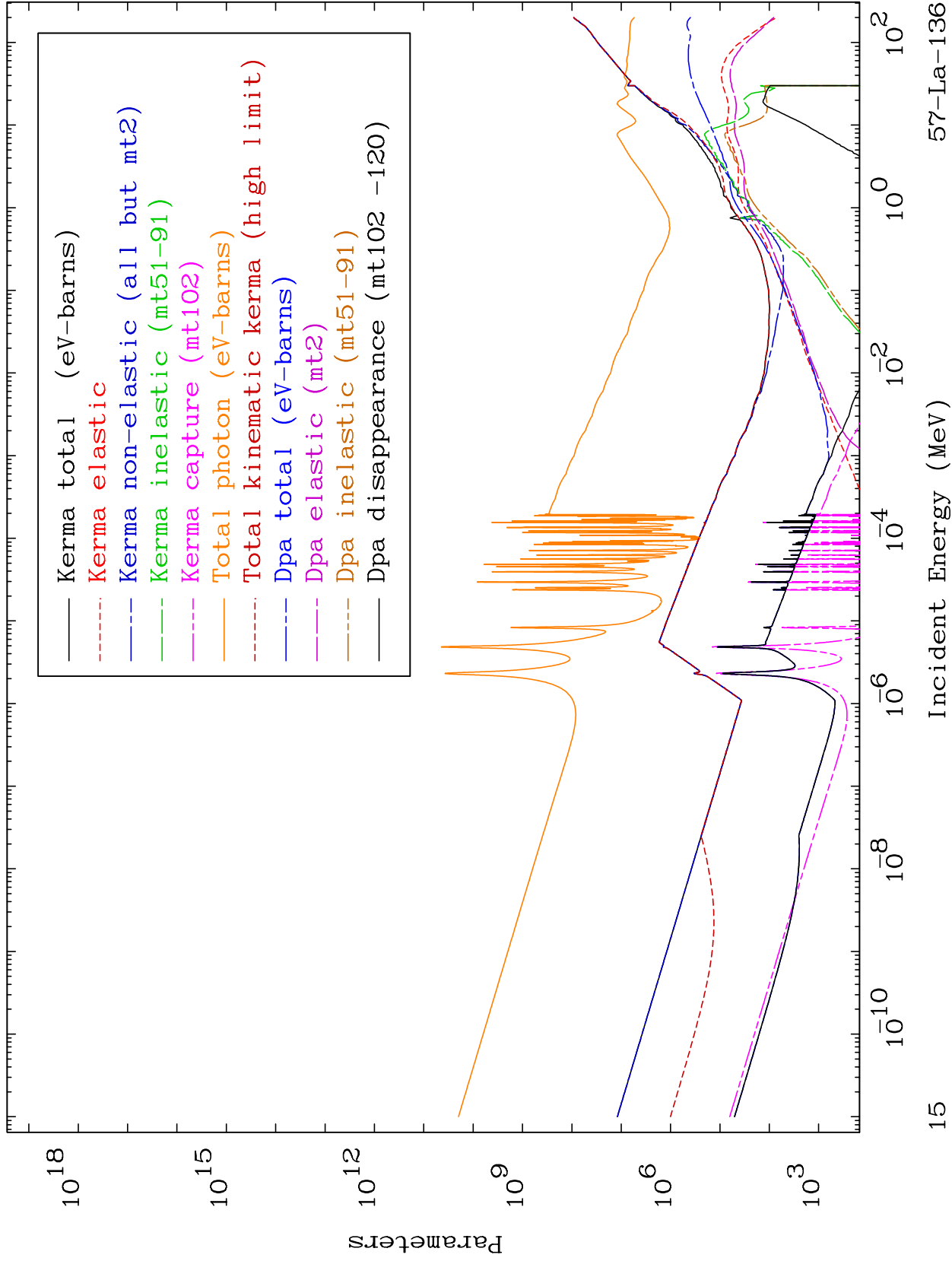
57-La-136

MAT 5719

(n,α) Levels  
293 Kelvin Cross Sections

57-La-136



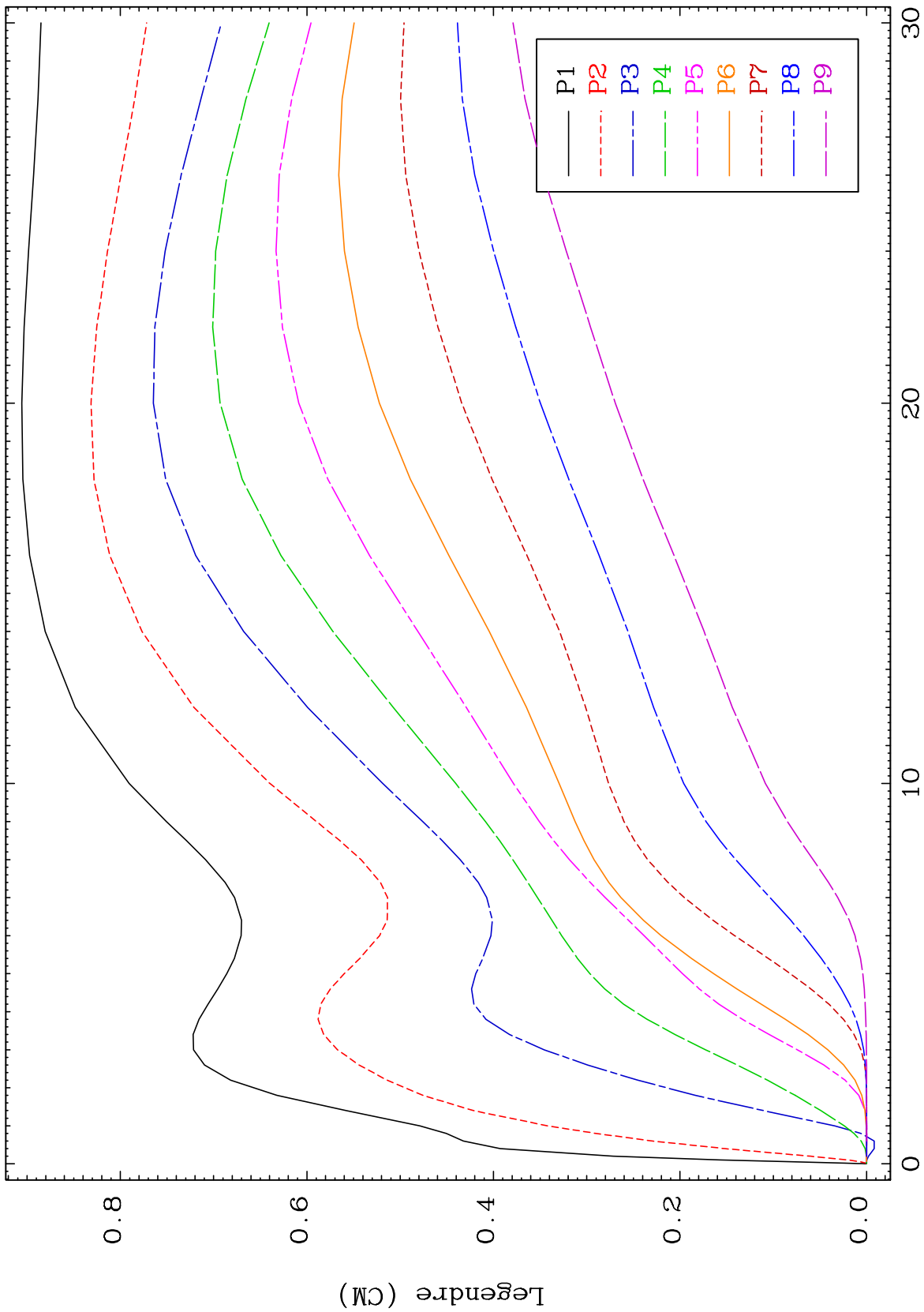




MAT 5719

57-La-136

Elastic Legendre Coefficients



16

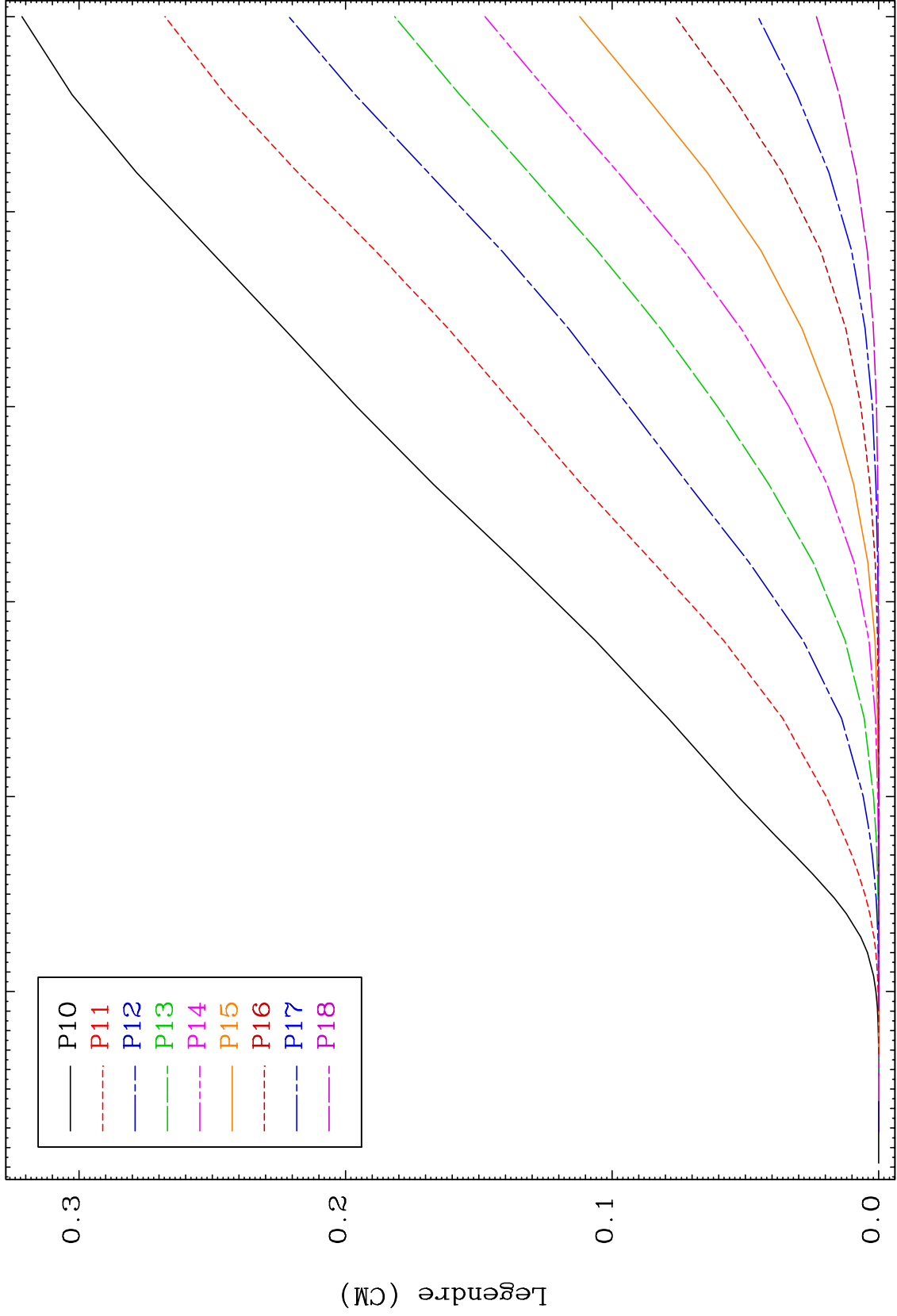
Incident Energy (MeV)

57-La-136

MAT 5719

Elastic Legendre Coefficients

57-La-136



17

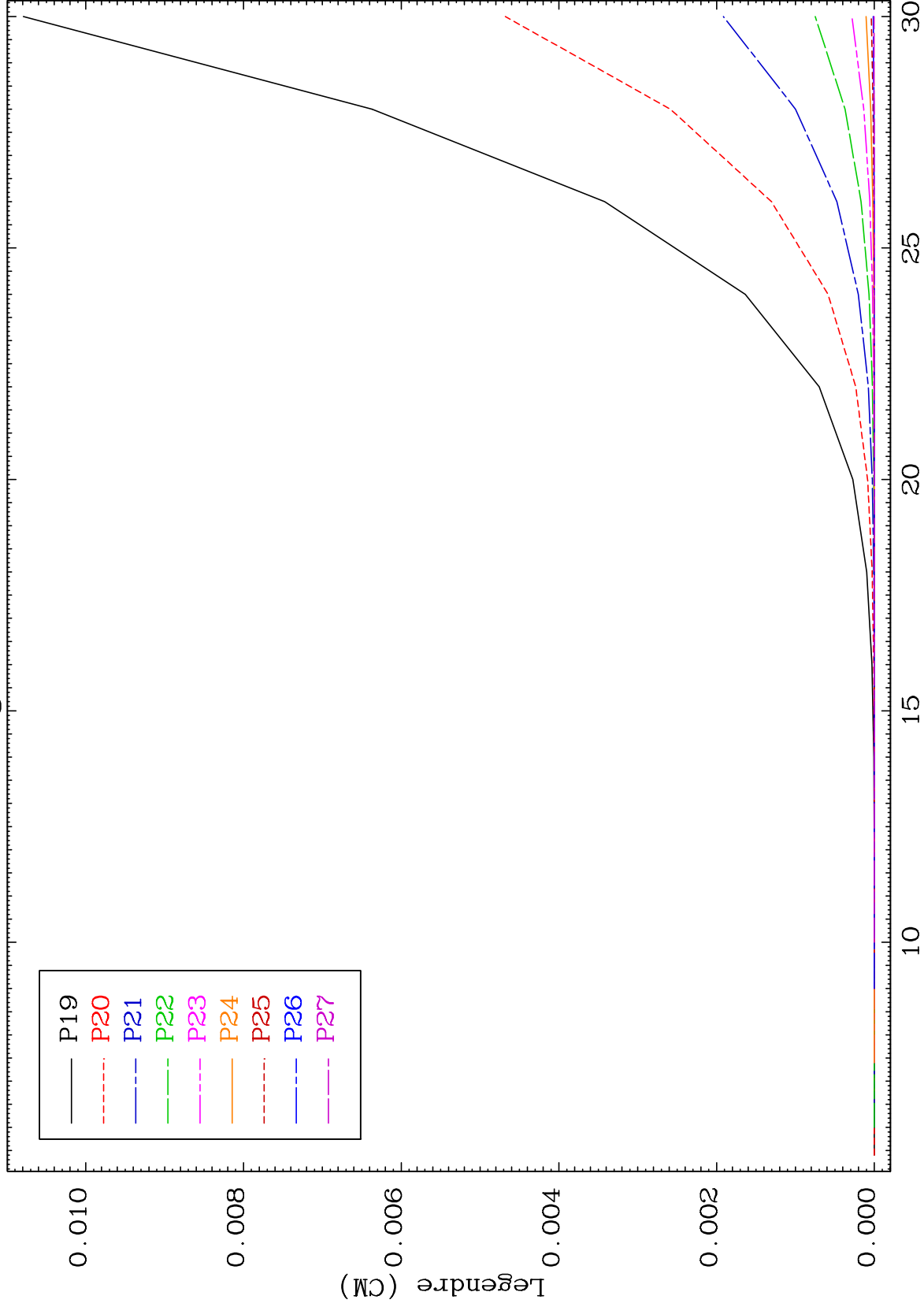
Incident Energy (MeV)

57-La-136

MAT 5719

### Elastic Legendre Coefficients

57-La-136



18

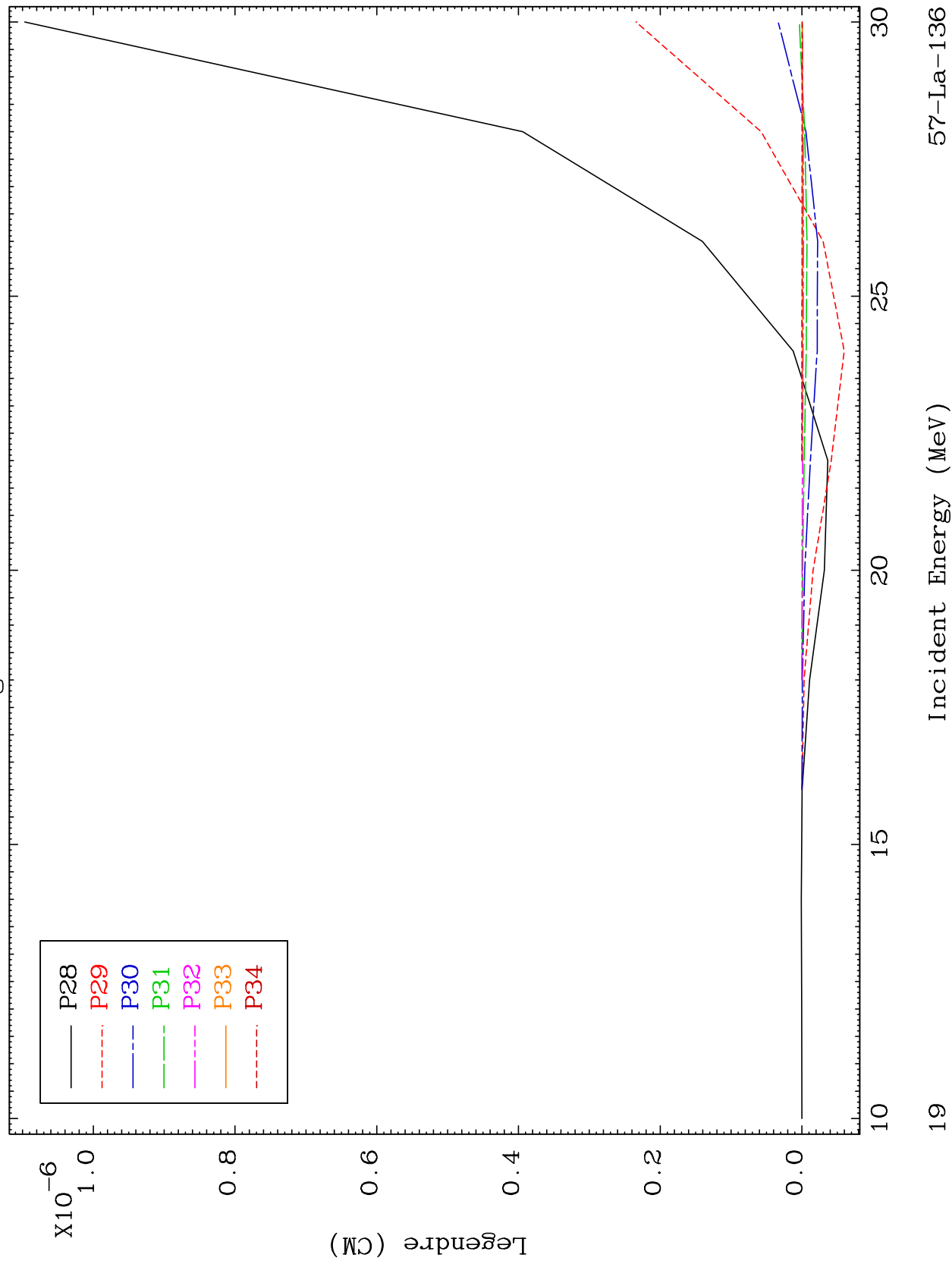
Incident Energy (MeV)

57-La-136

MAT 5719

Elastic Legendre Coefficients

57-La-136



19

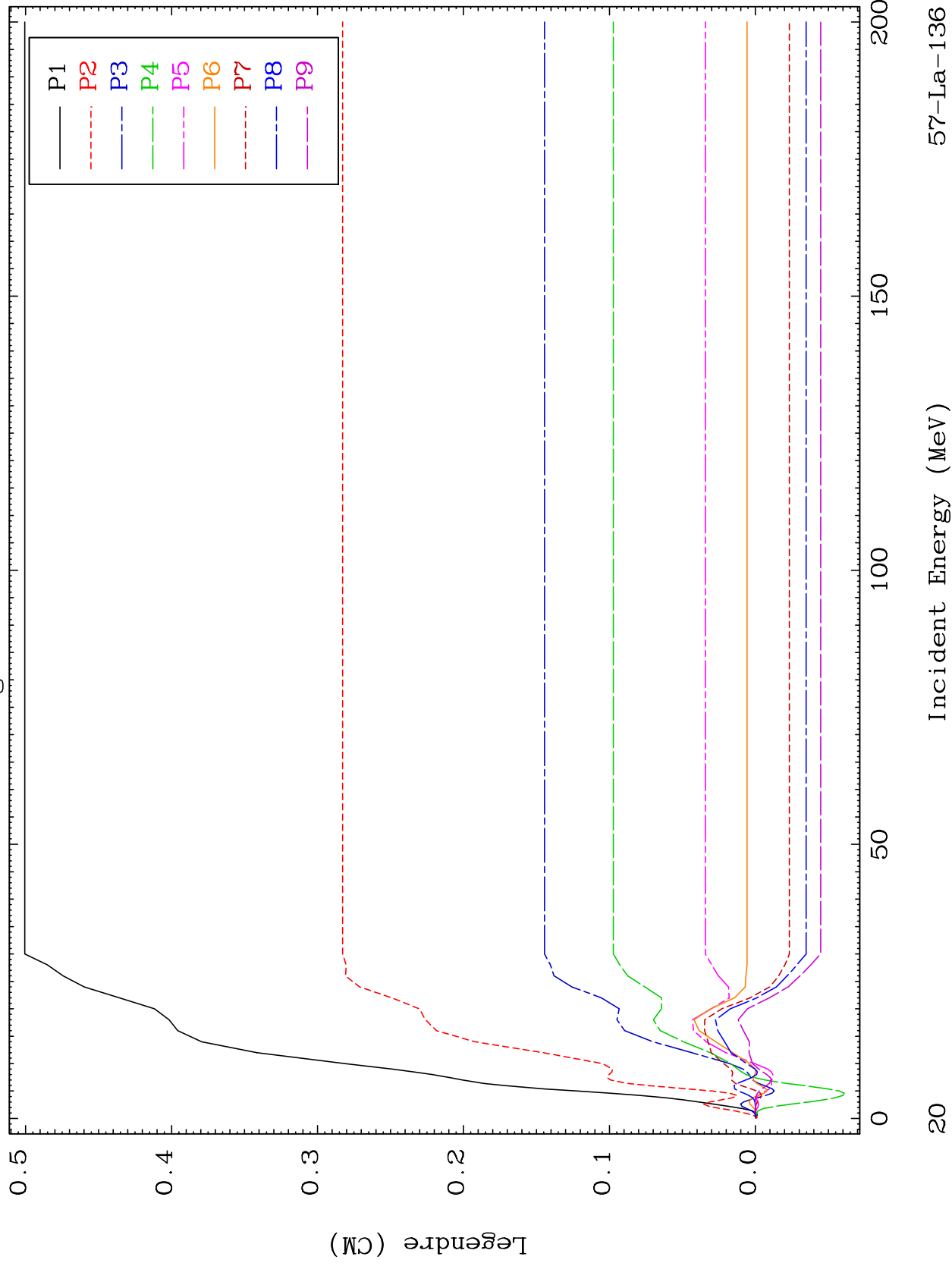
Incident Energy (MeV)

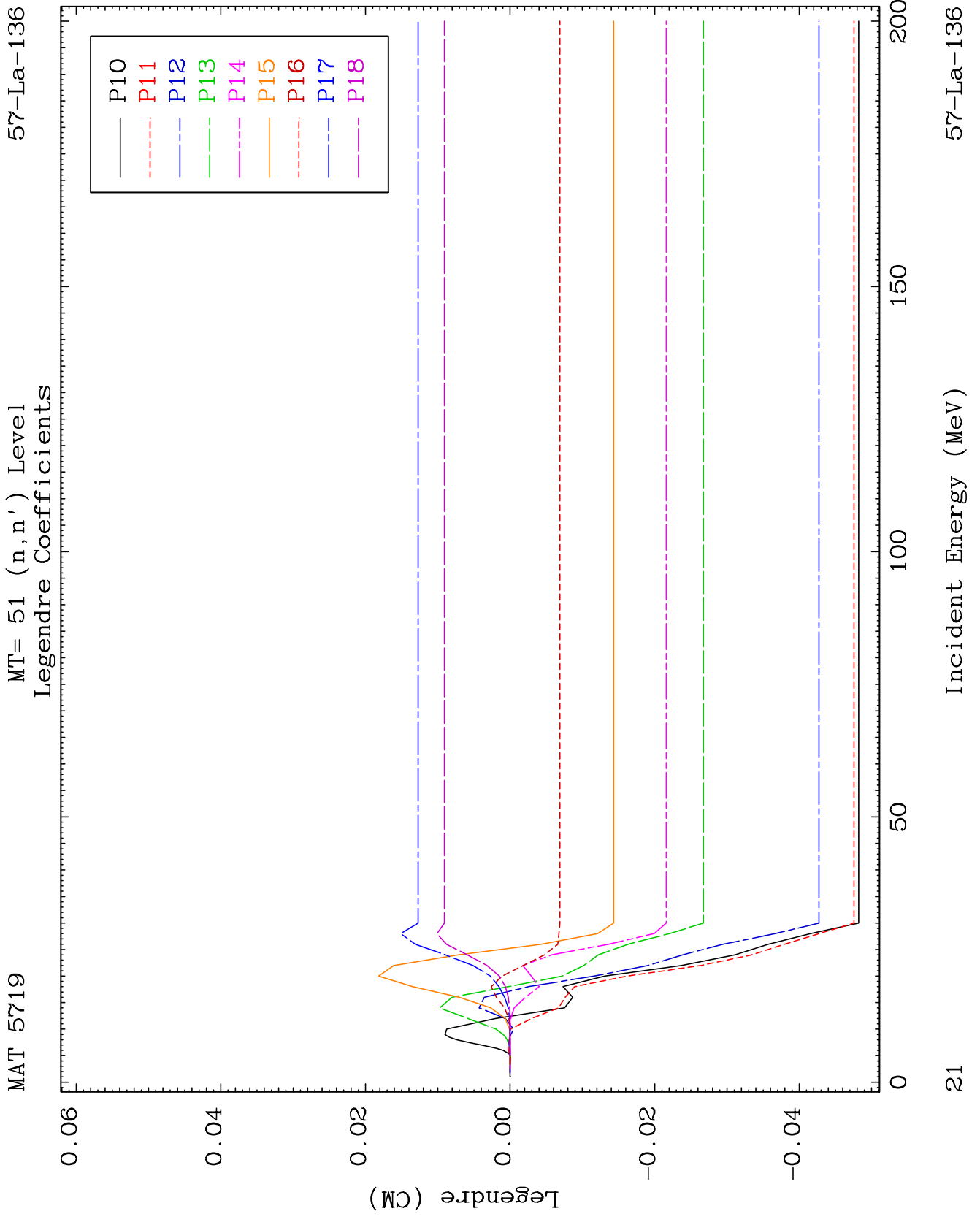
57-La-136

MAT 5719

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

57-La-136

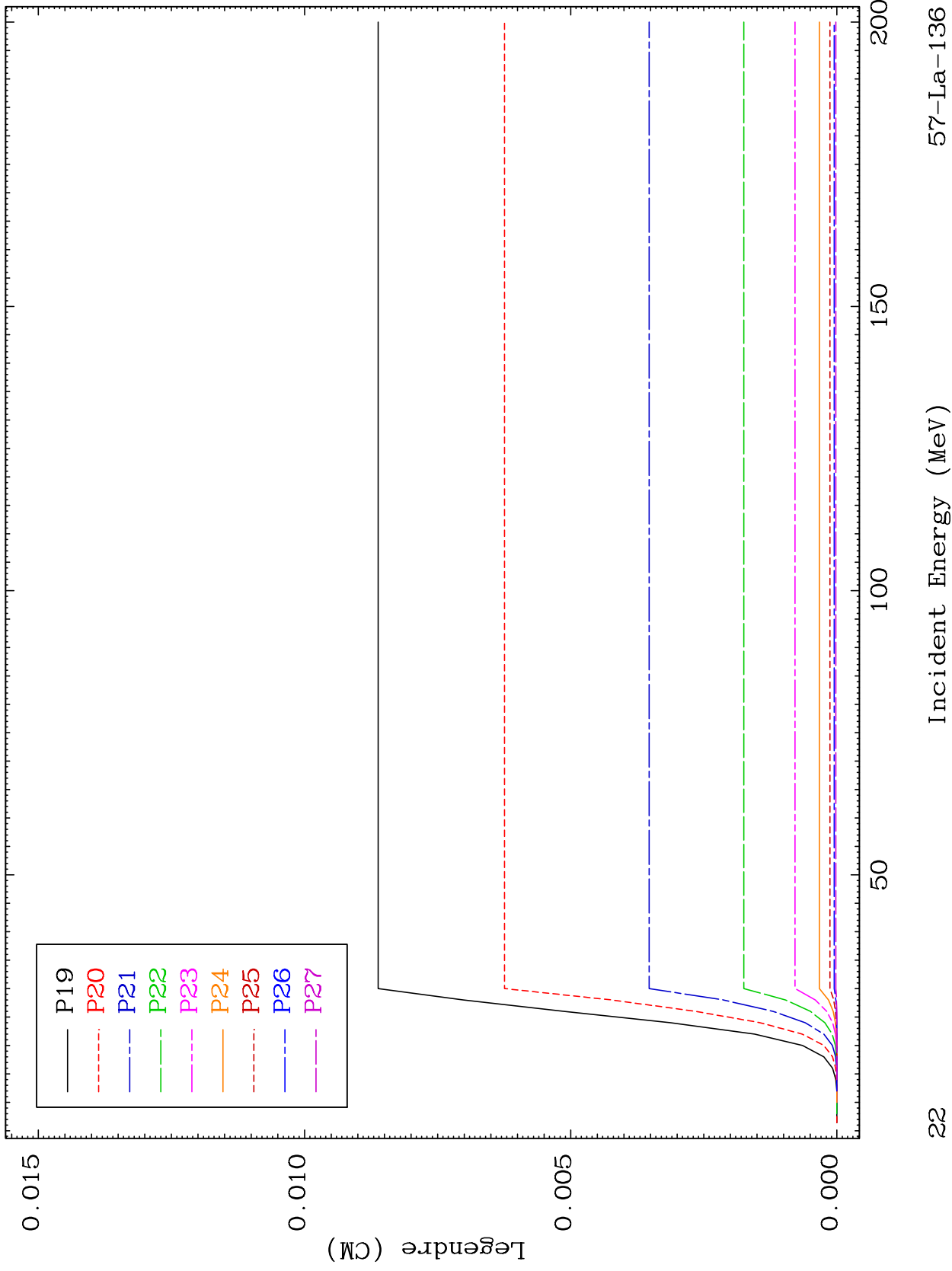




MAT 5719

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

57-La-136



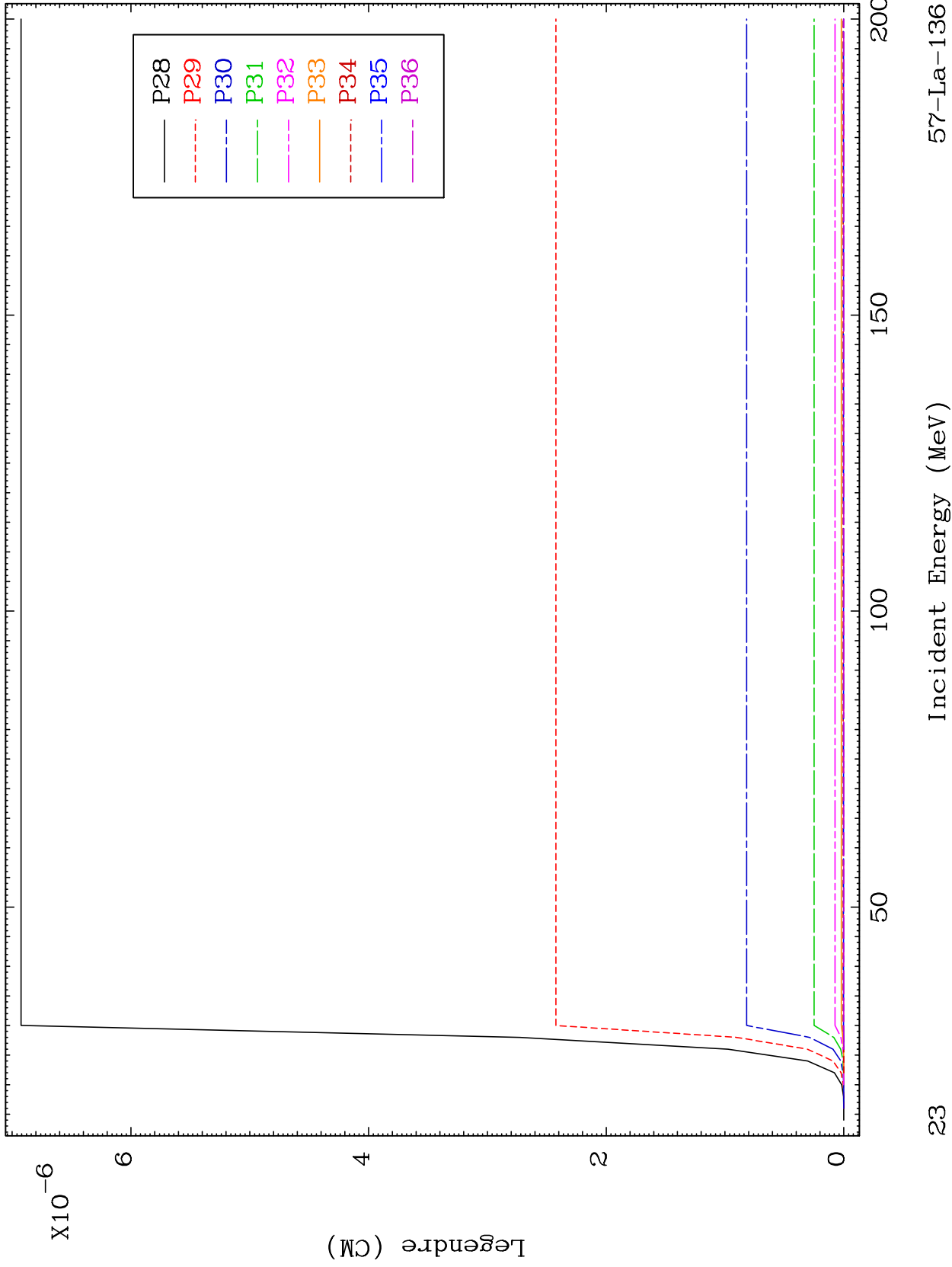
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57-La-136

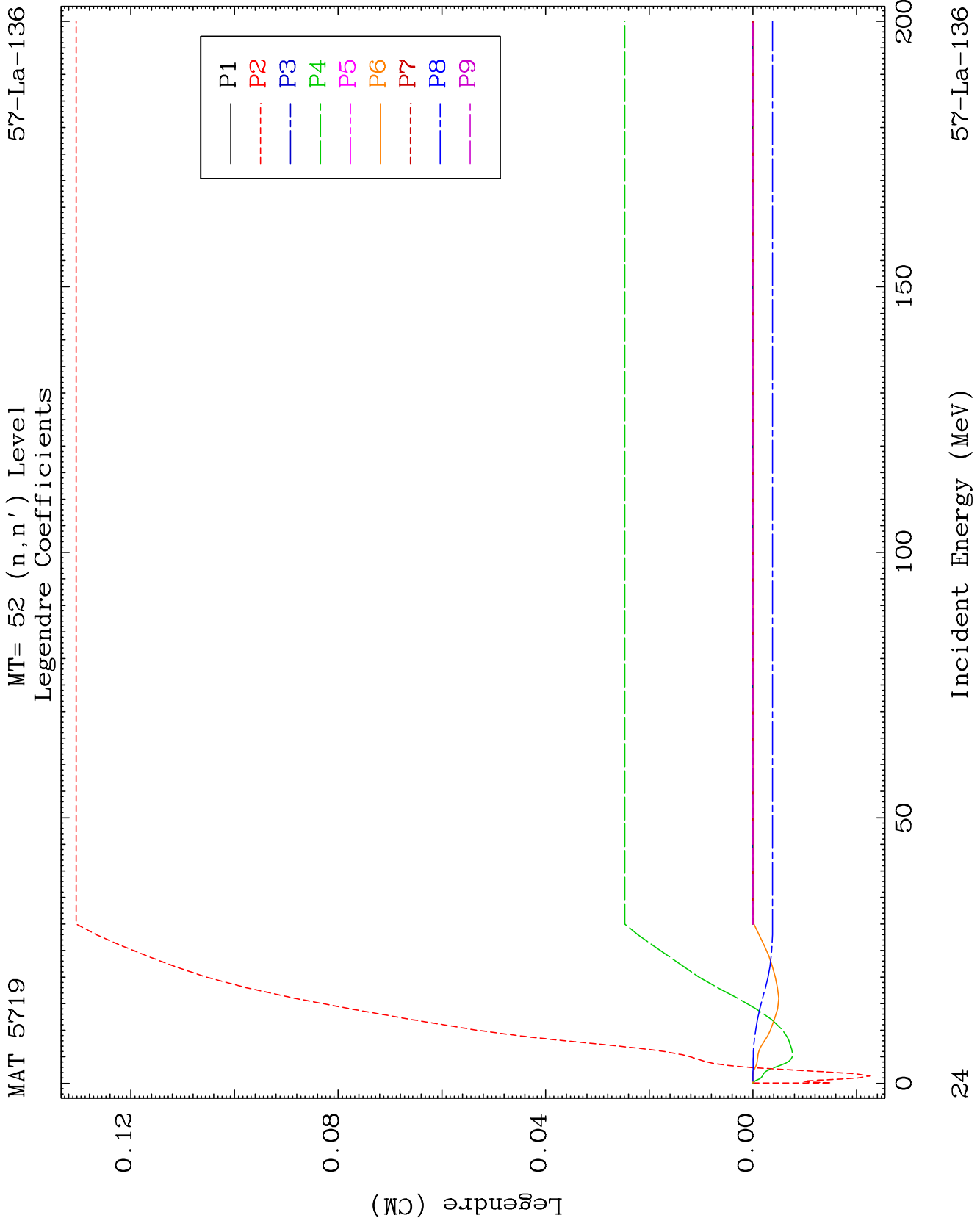
MAT 5719

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

57-La-136



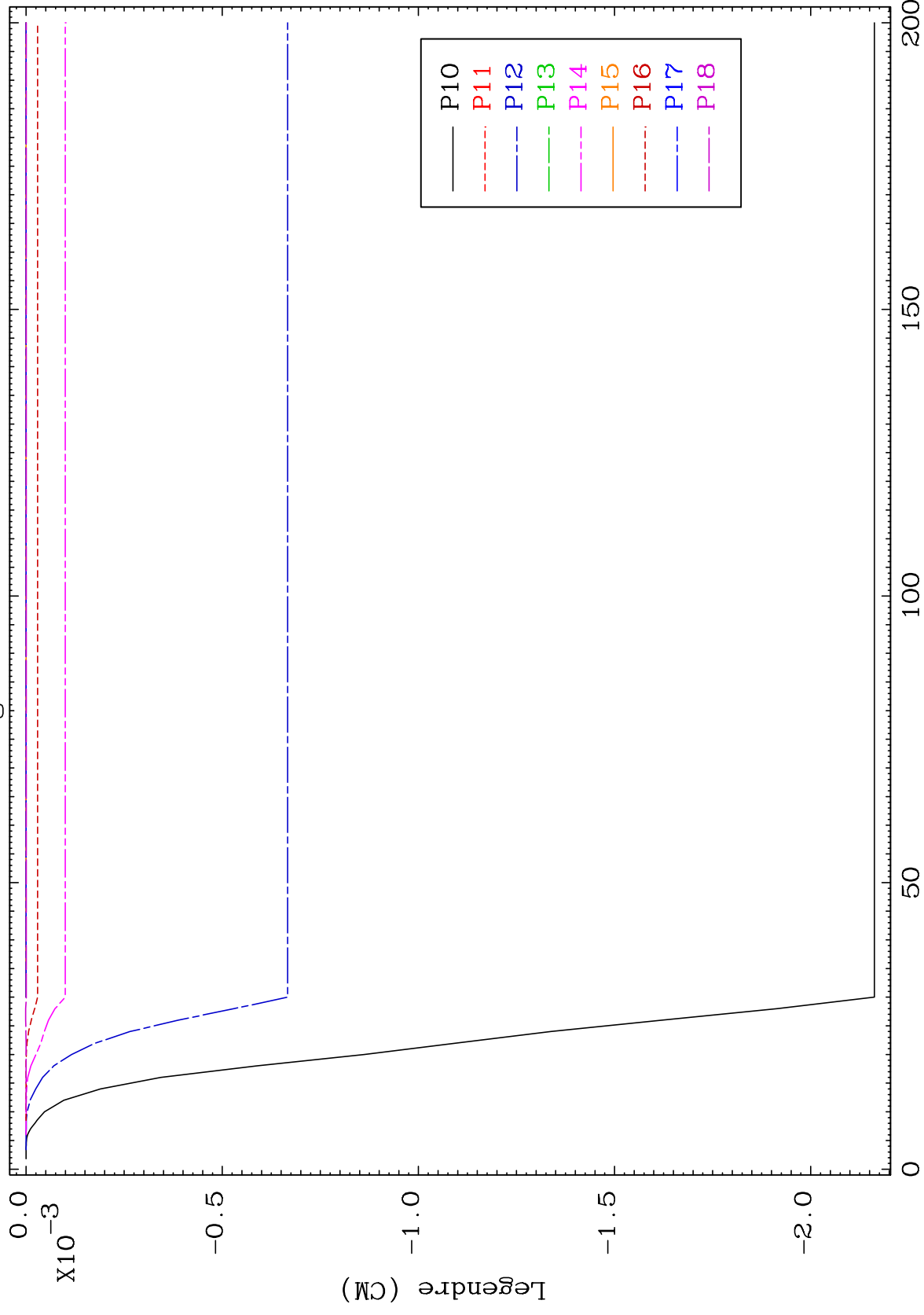




MAT 5719

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

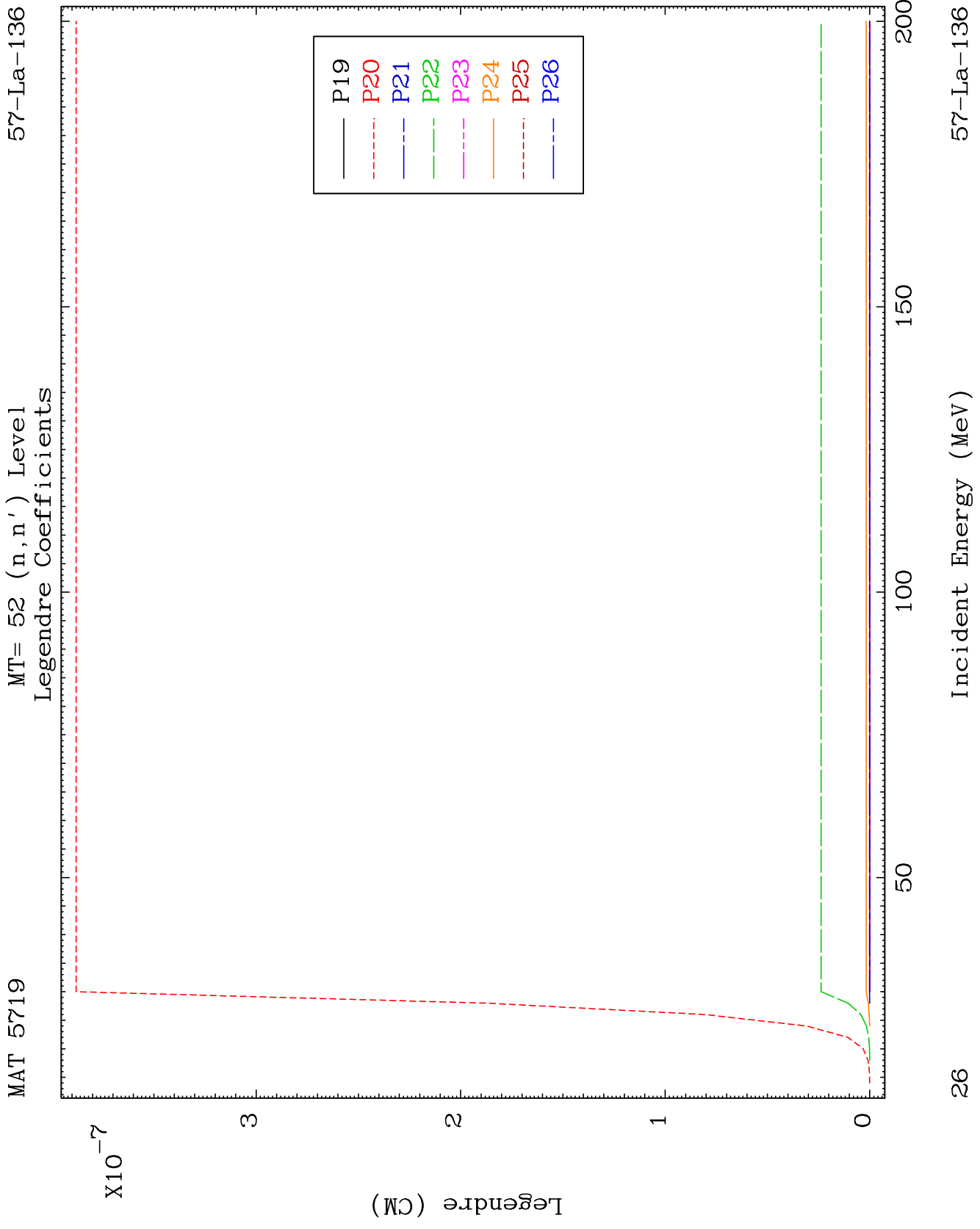
57-La-136



25

Incident Energy (MeV)

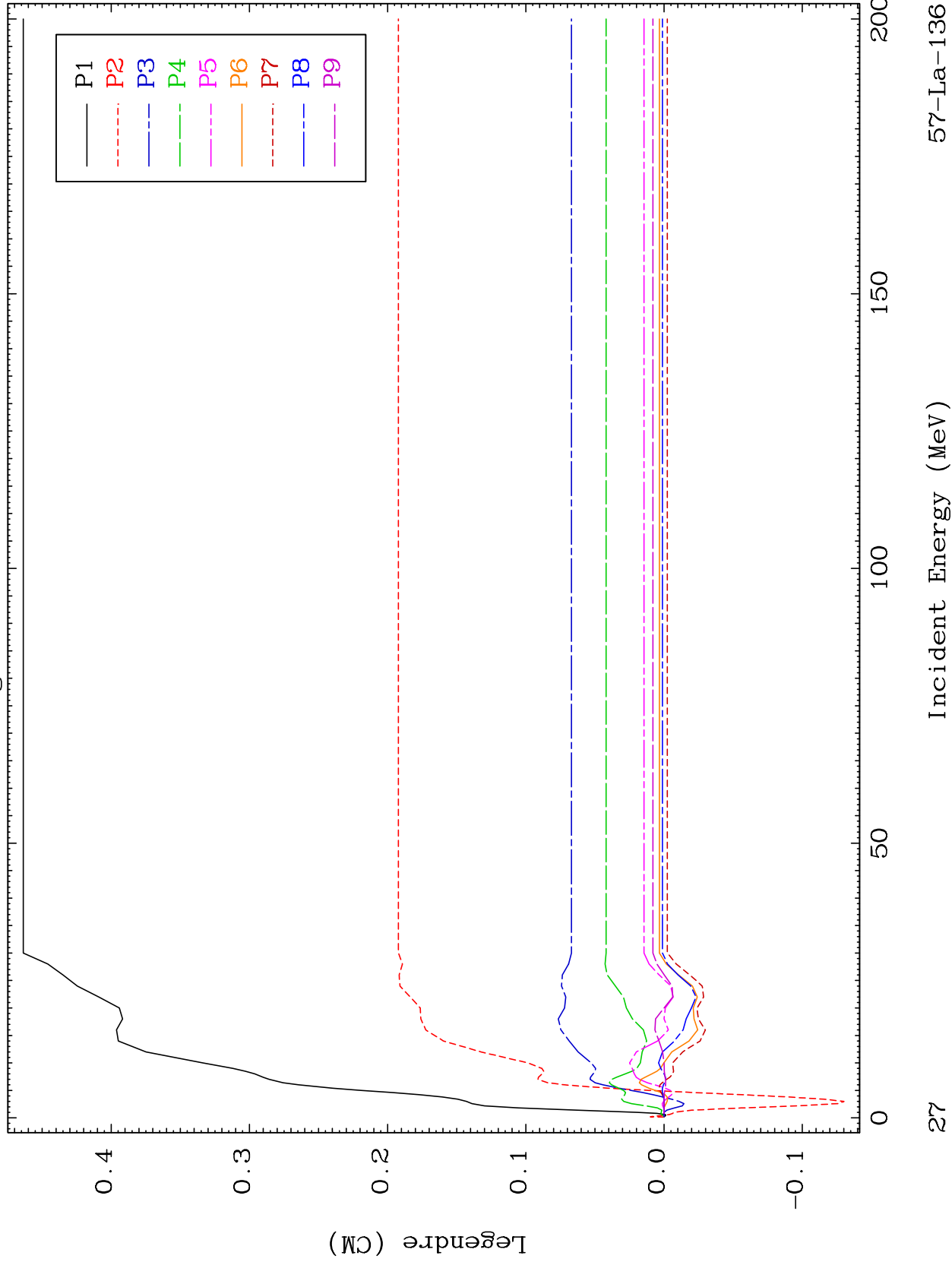
57-La-136



MAT 5719

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

57-La-136



57-La-136

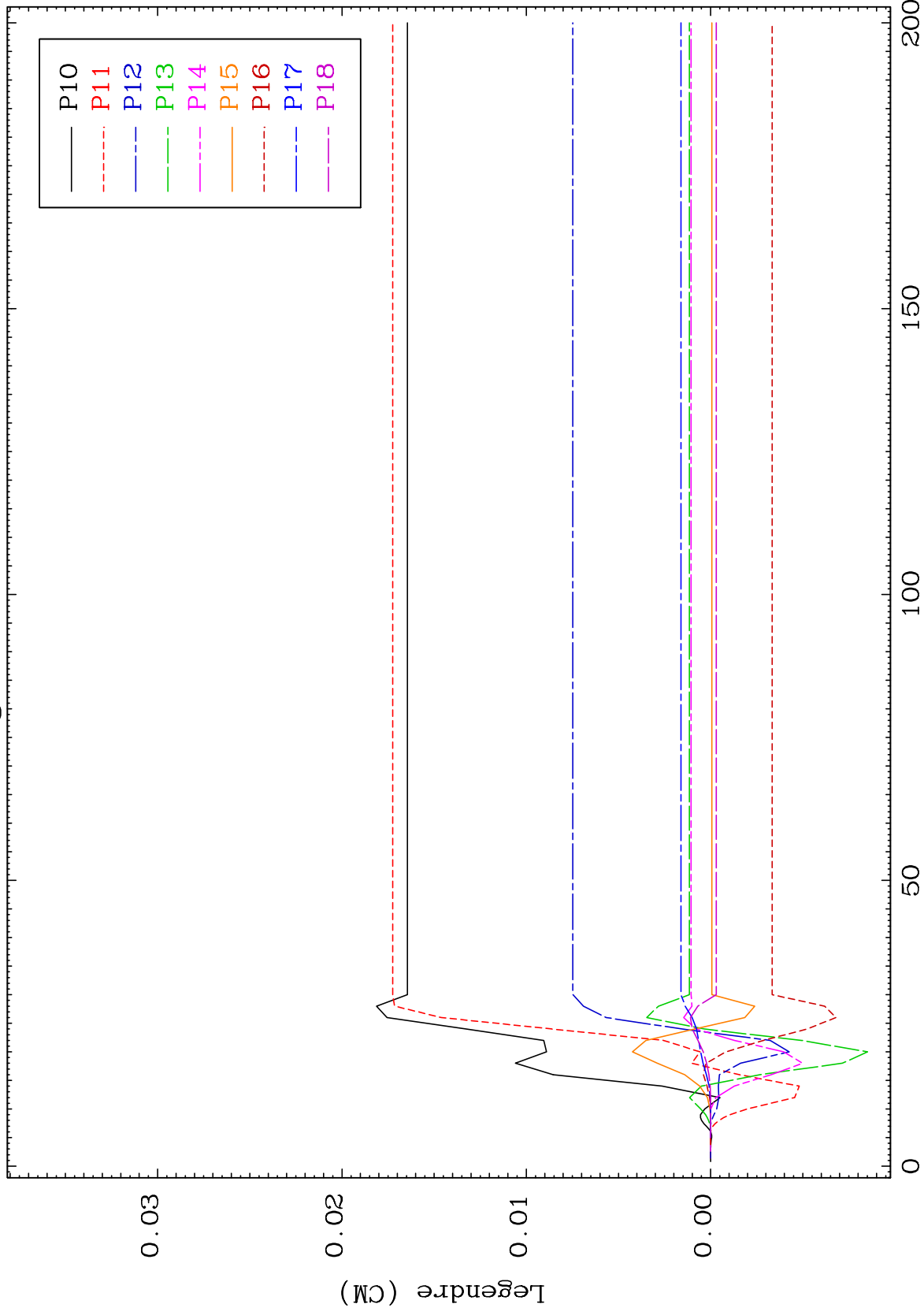
Incident Energy (MeV)

27

MAT 5719

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

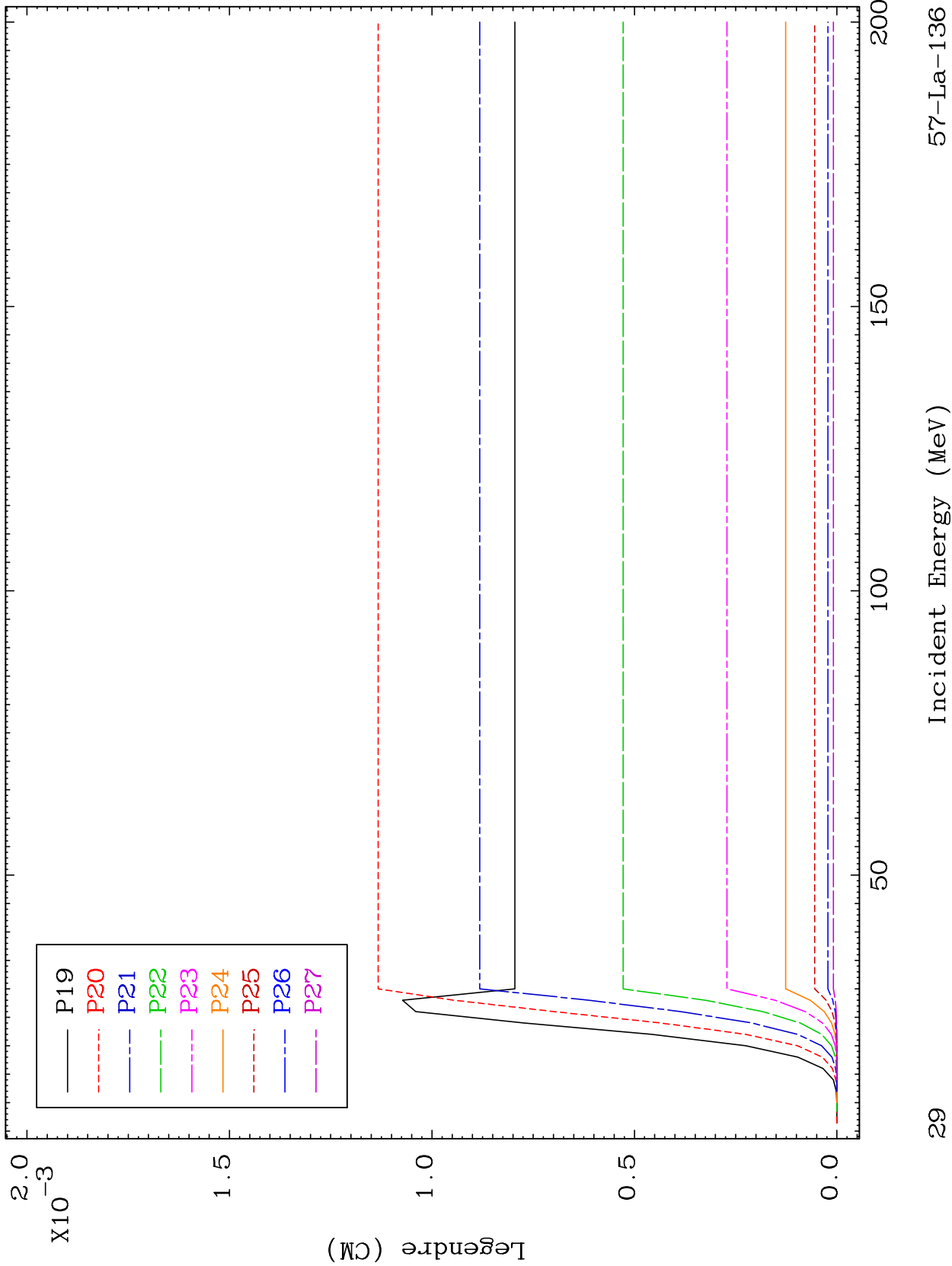
57-La-136



28

Incident Energy (MeV)

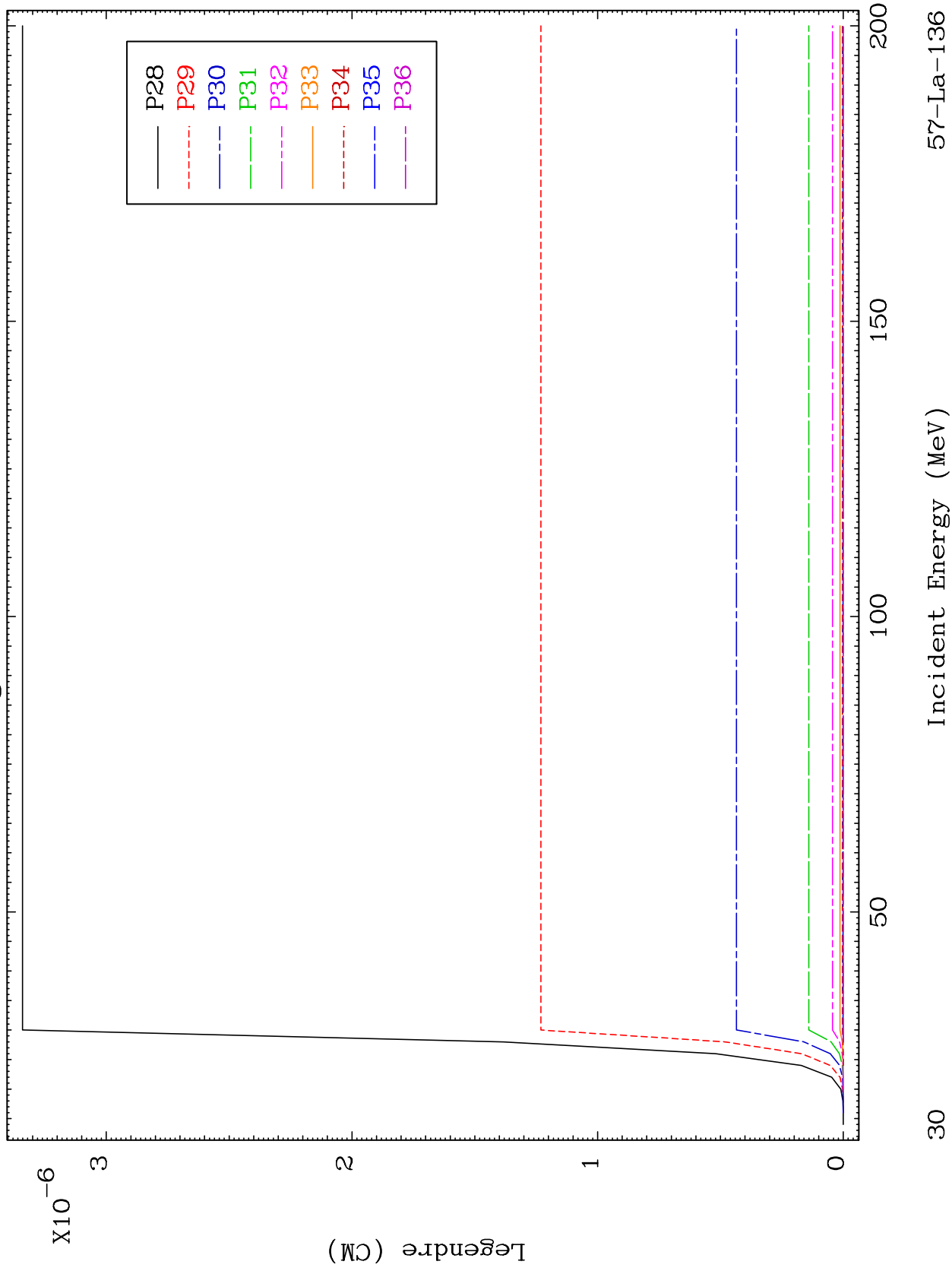
57-La-136



MAT 5719

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

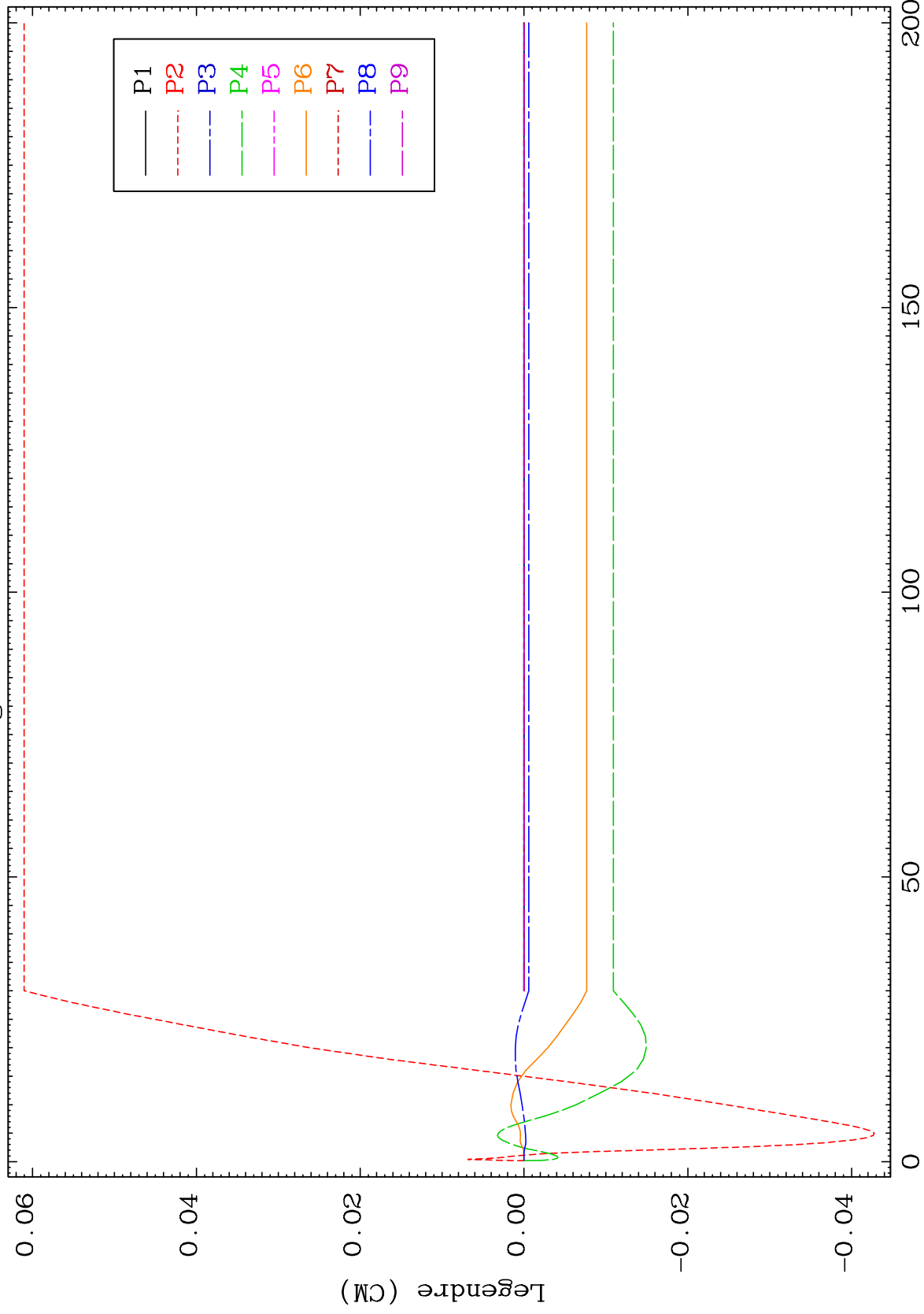
57-La-136



MAT 5719

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

57-La-136



31

Incident Energy (MeV)

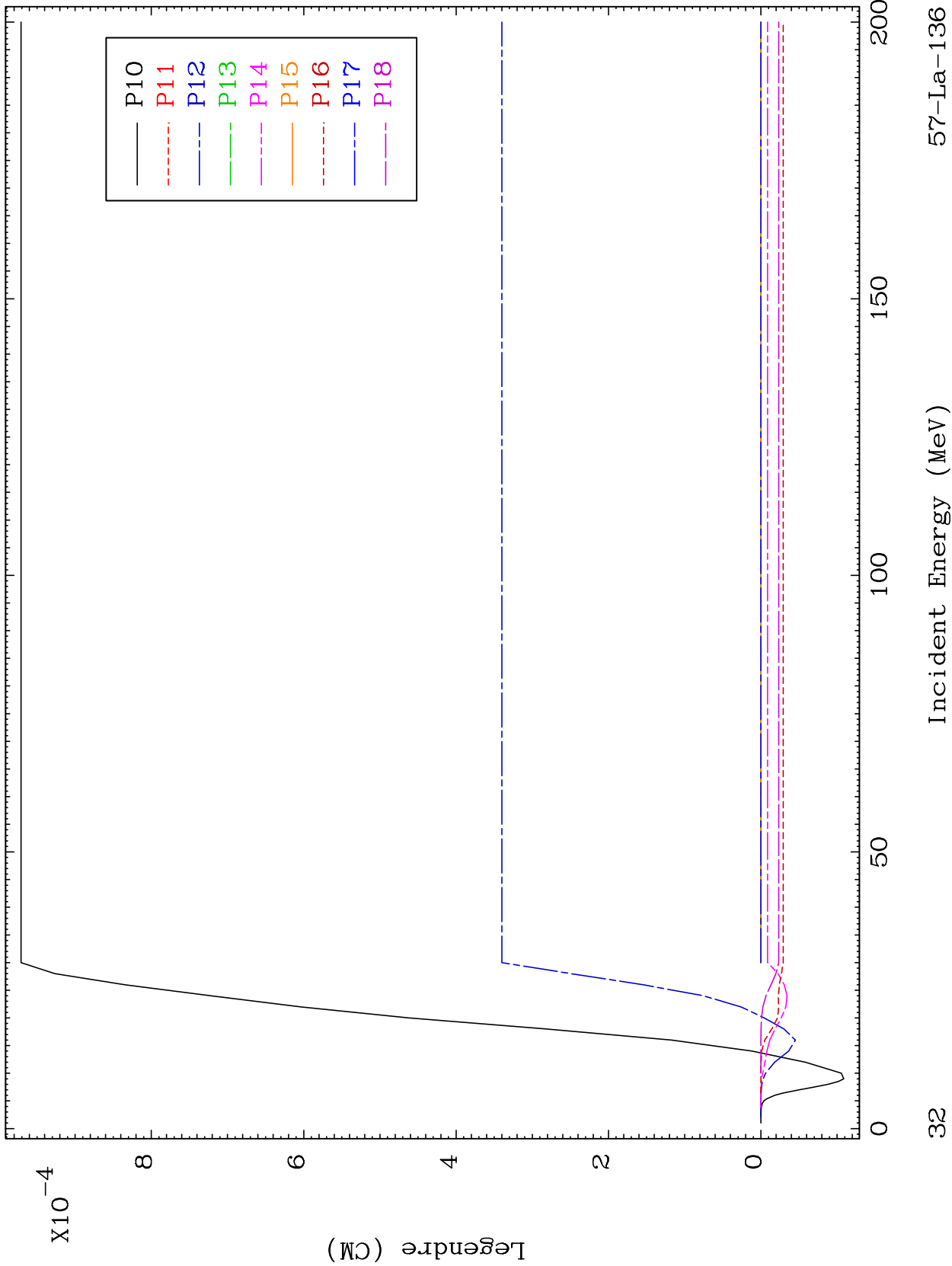
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MAT 5719

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

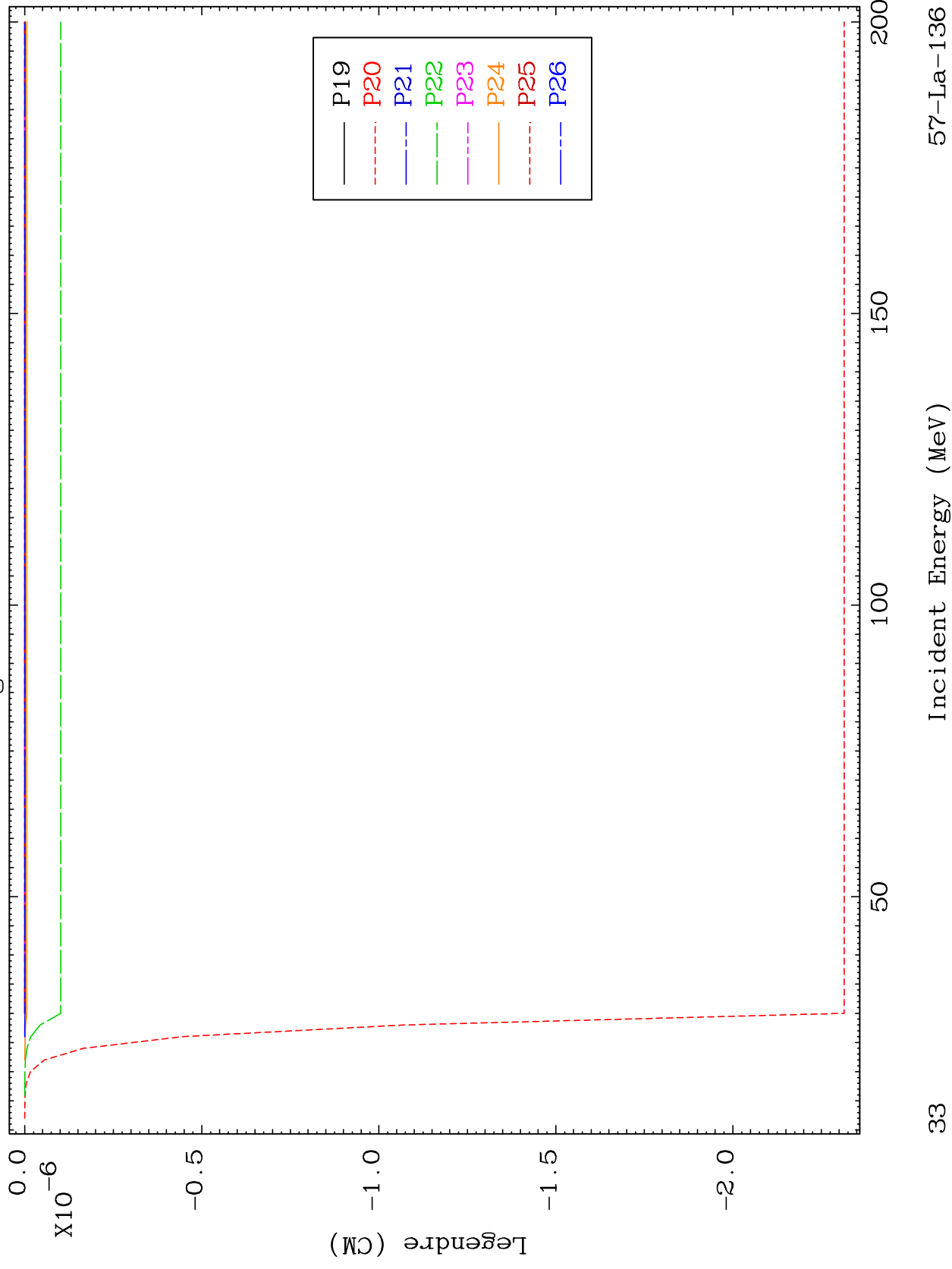
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MAT 5719

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

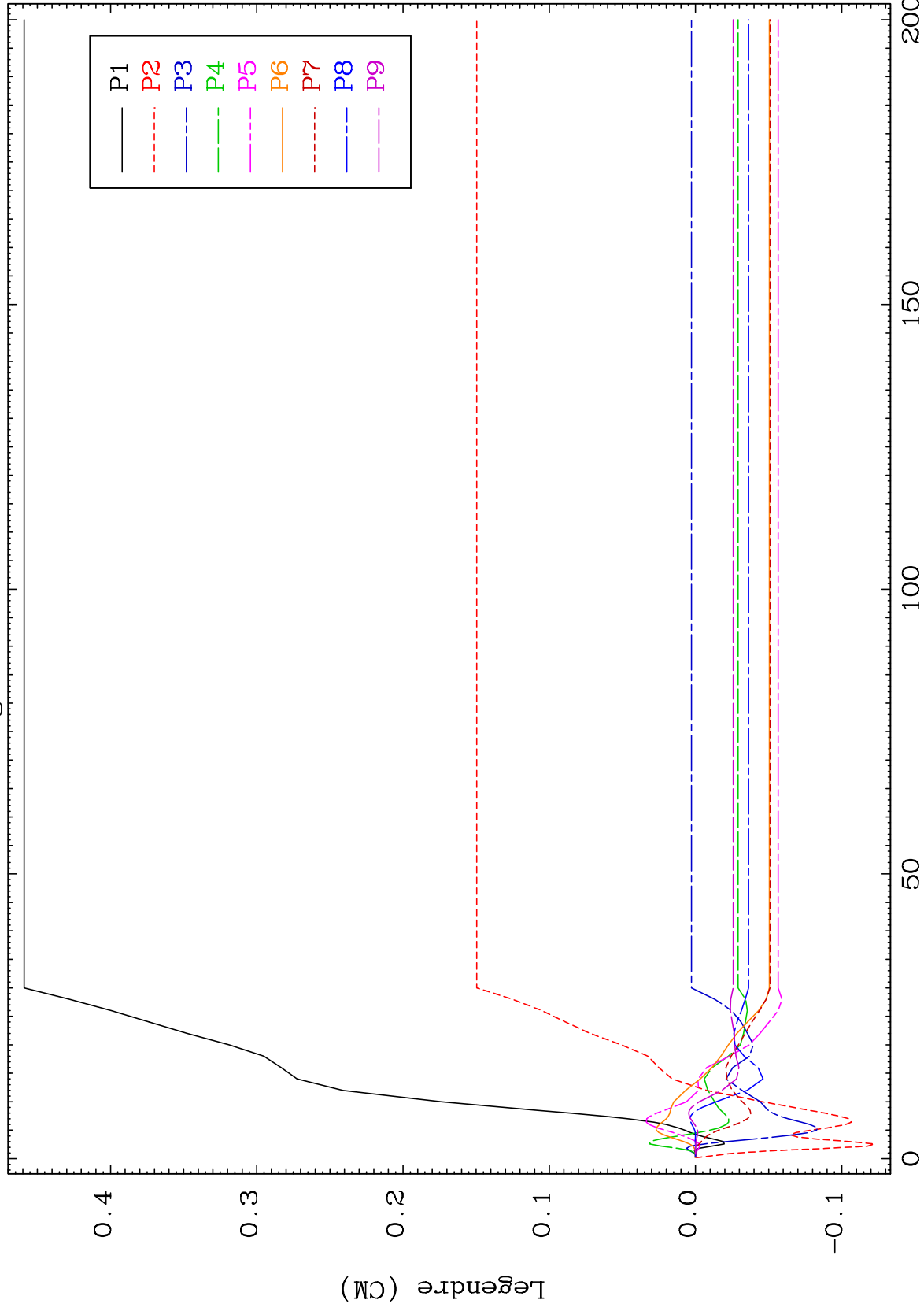
57-La-136



MAT 5719

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

57-La-136



34

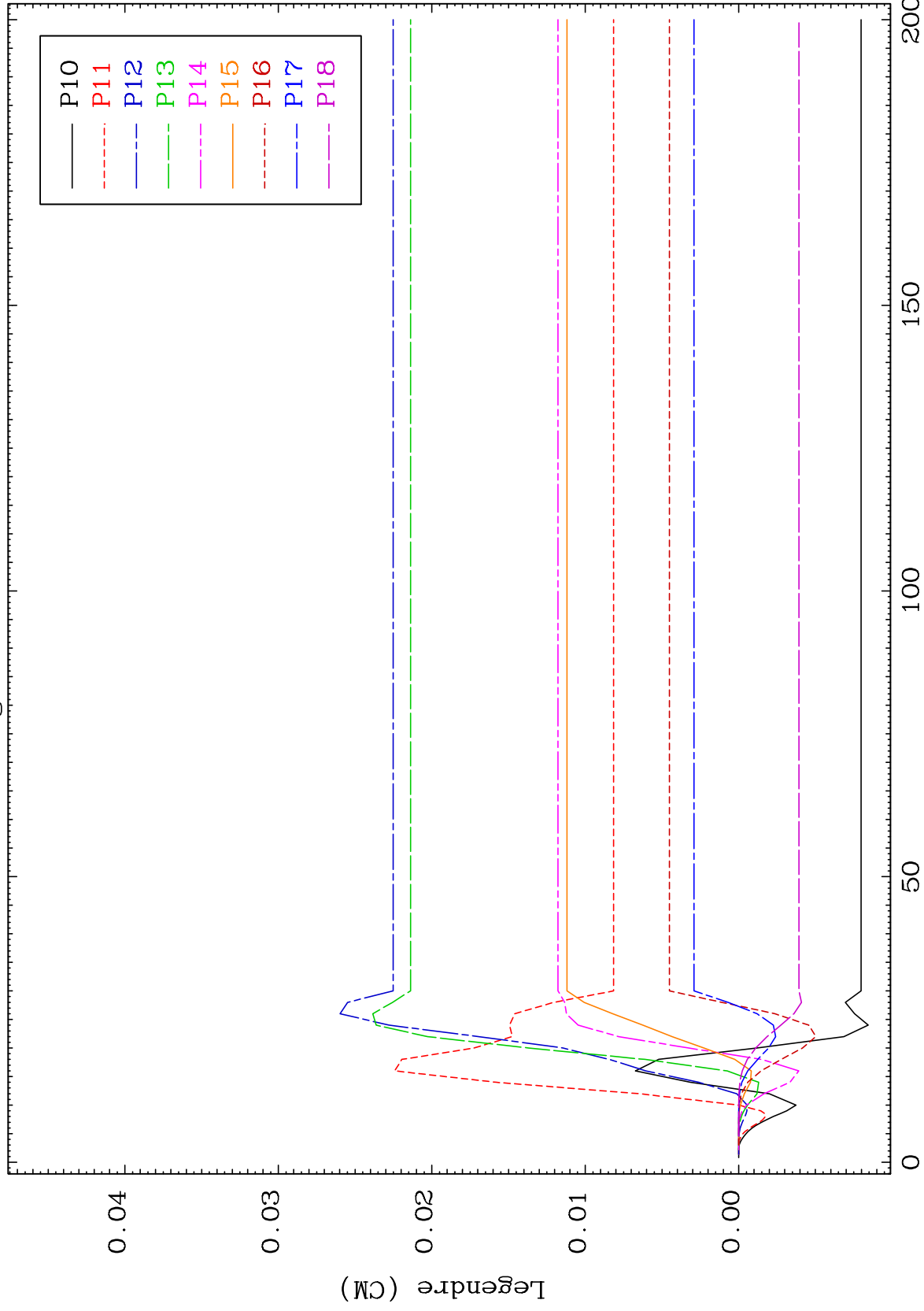
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



35

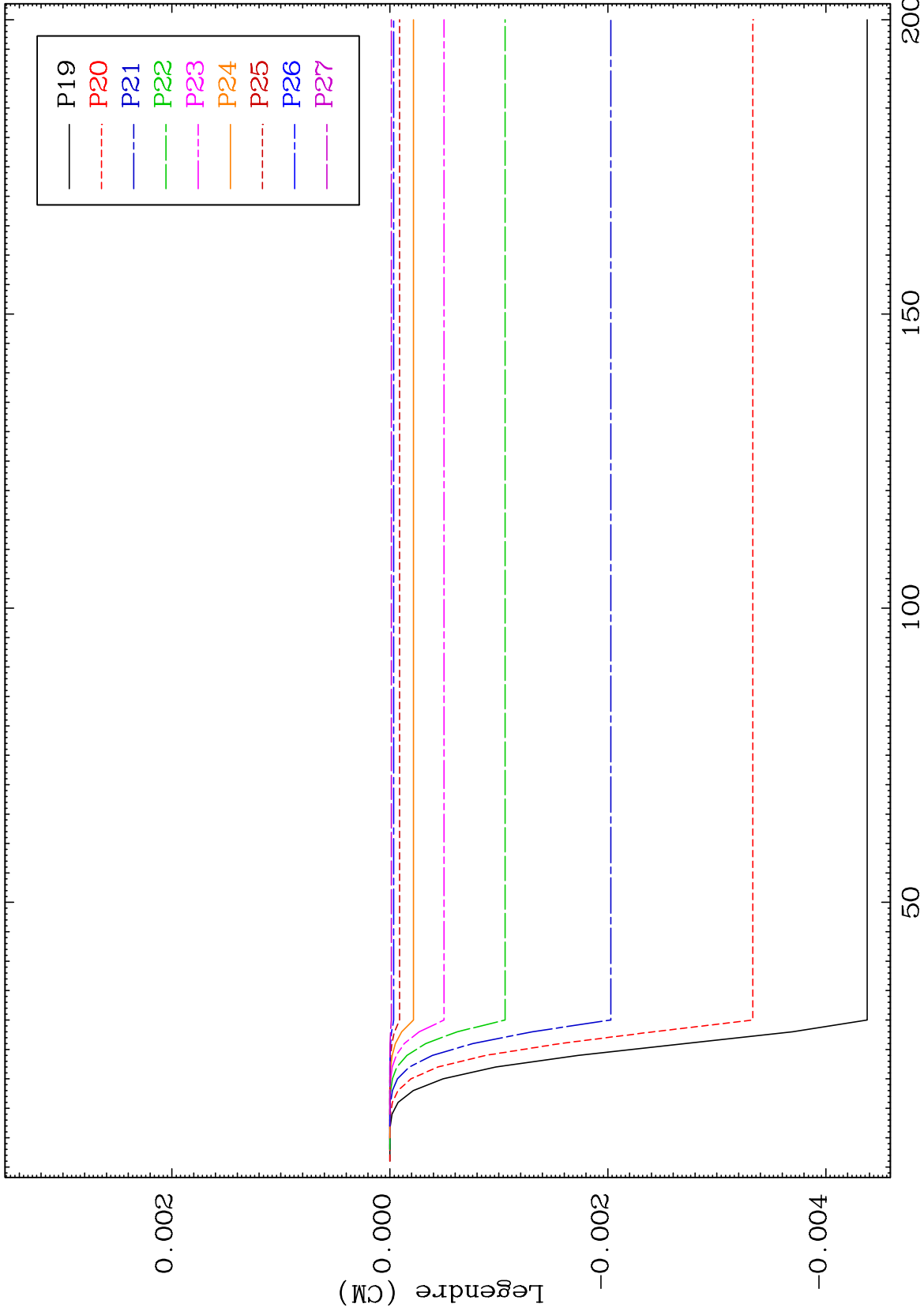
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



36

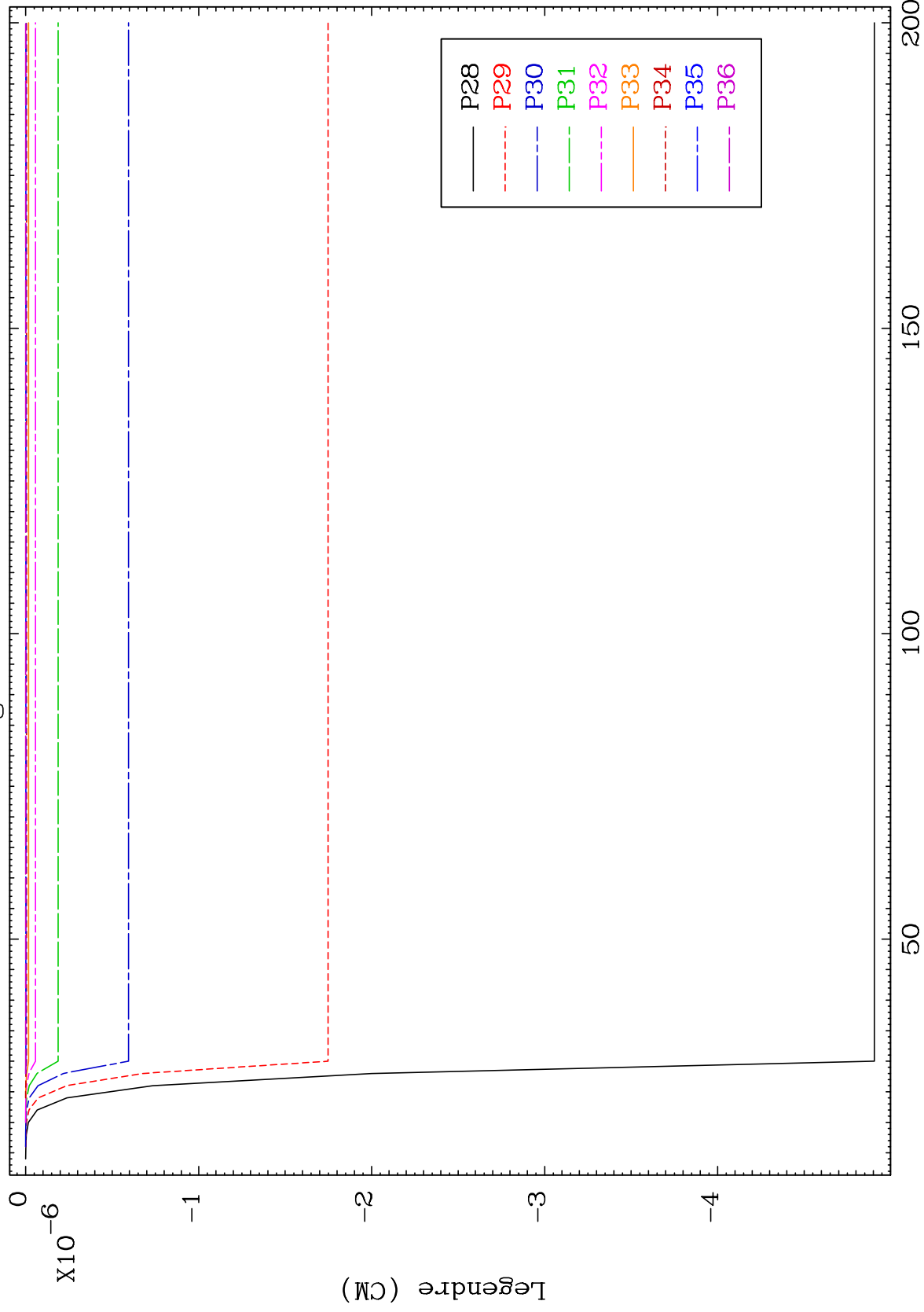
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



37

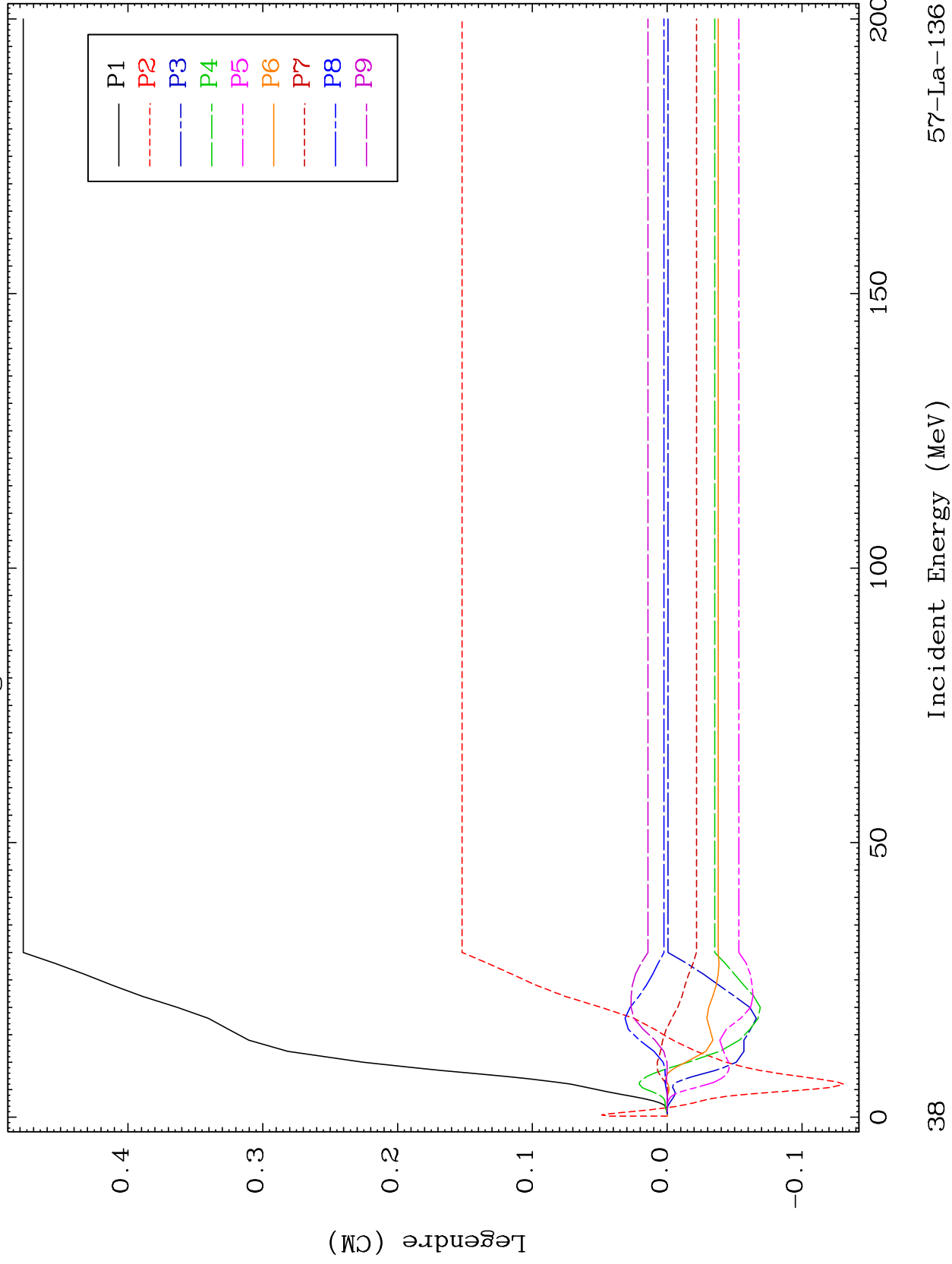
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



57-La-136

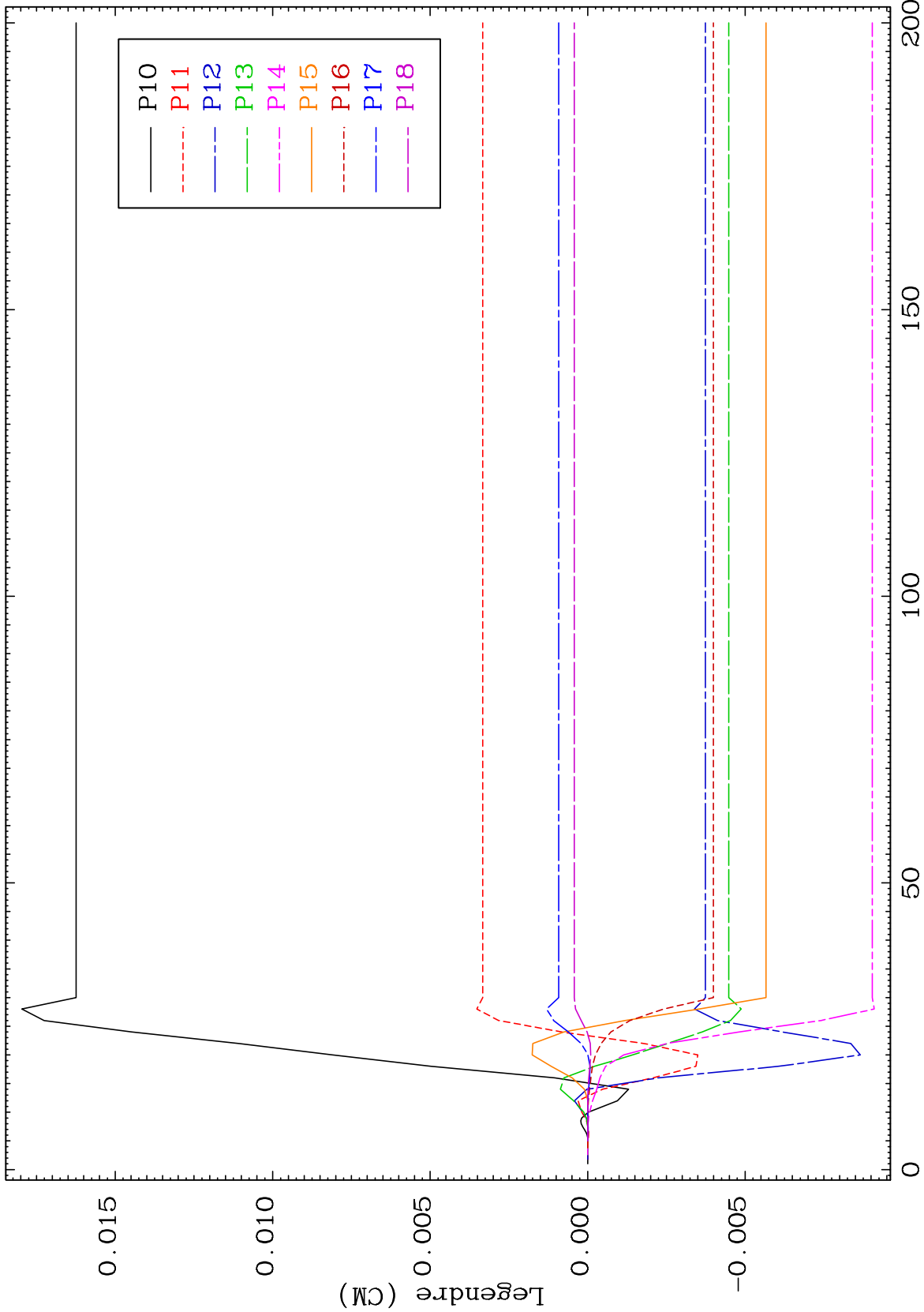
Incident Energy (MeV)

38

MAT 5719

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

57-La-136



39

Incident Energy (MeV)

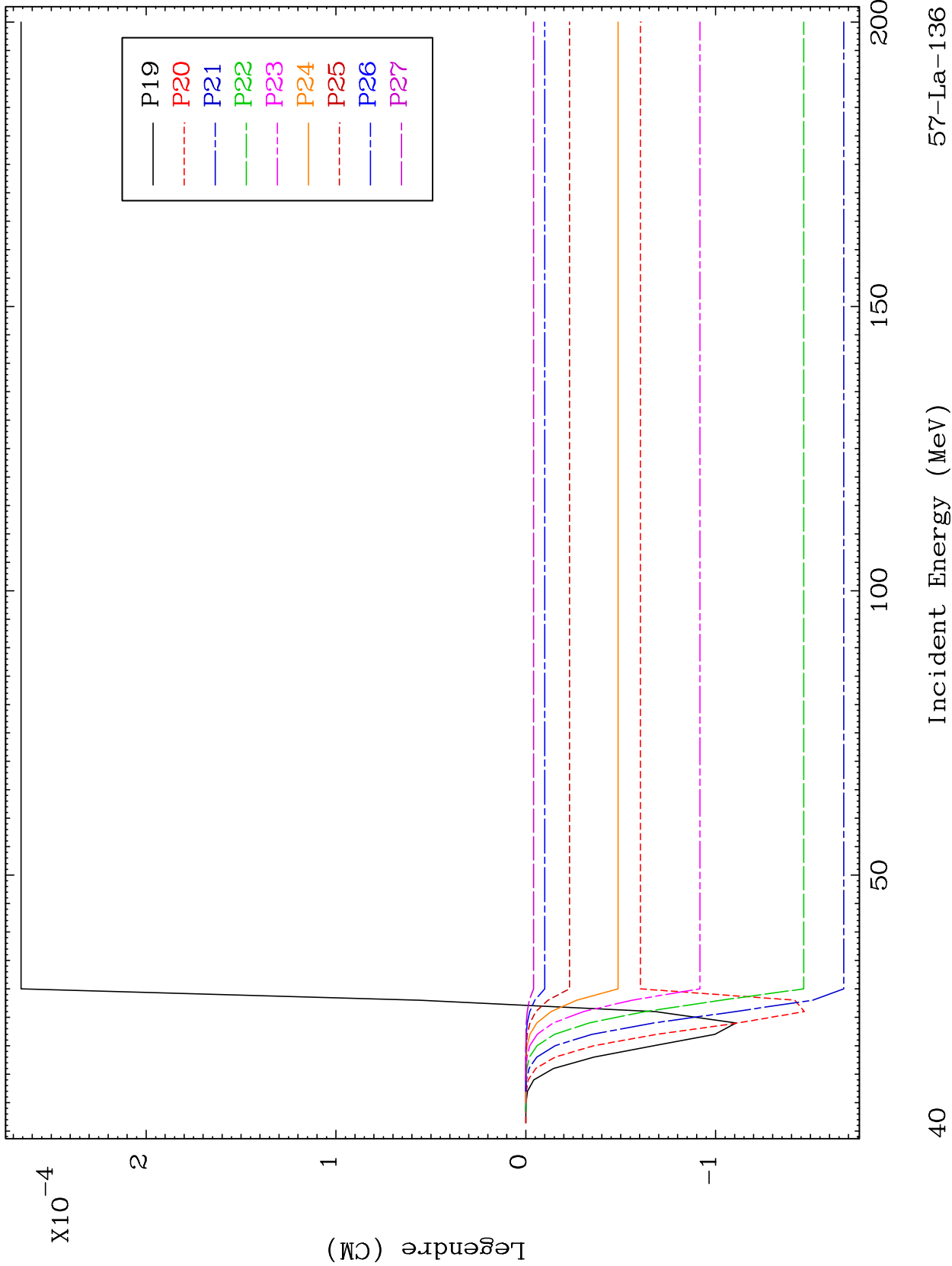
57-La-136



MAT 5719

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

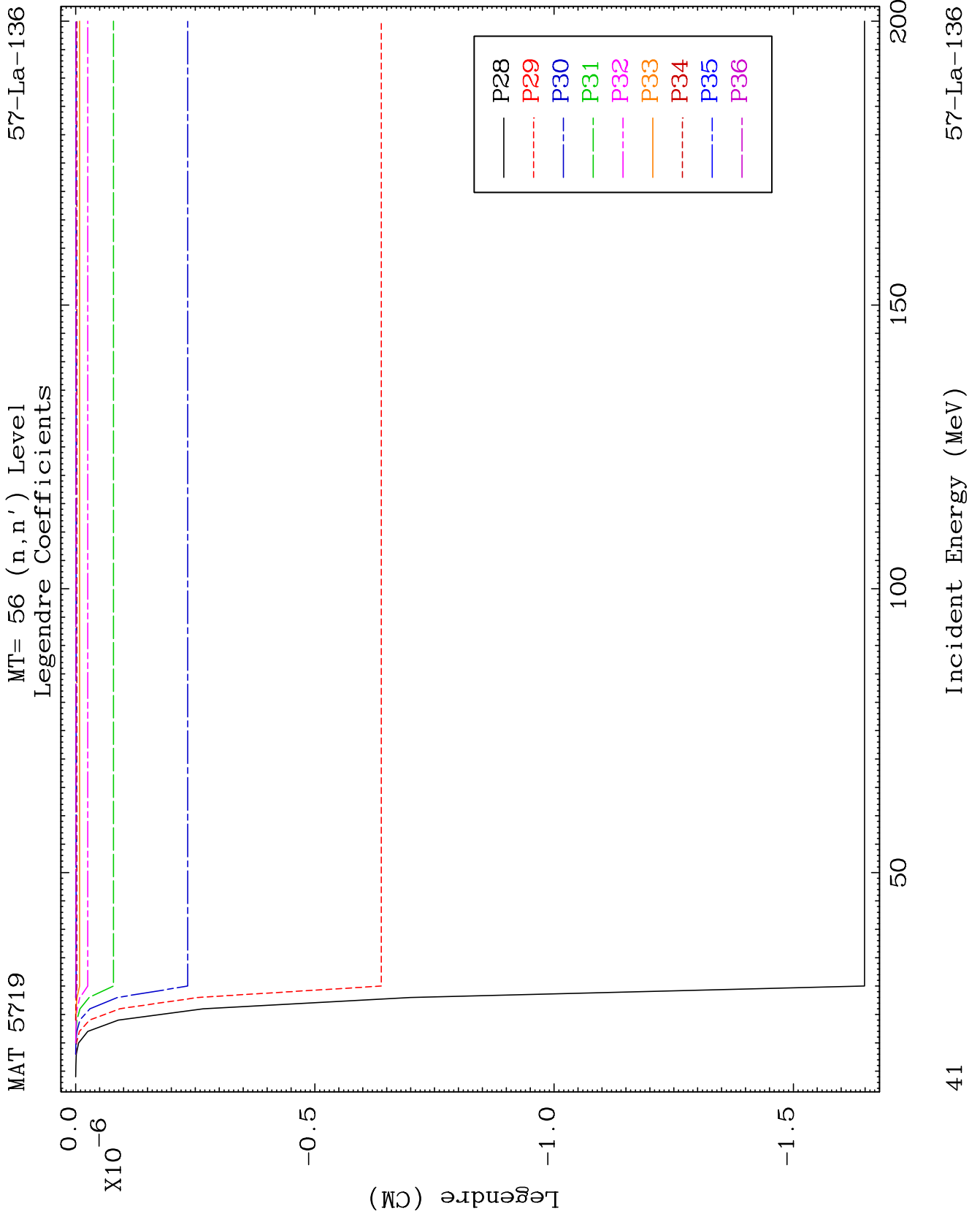
57-La-136



40

Incident Energy (MeV)

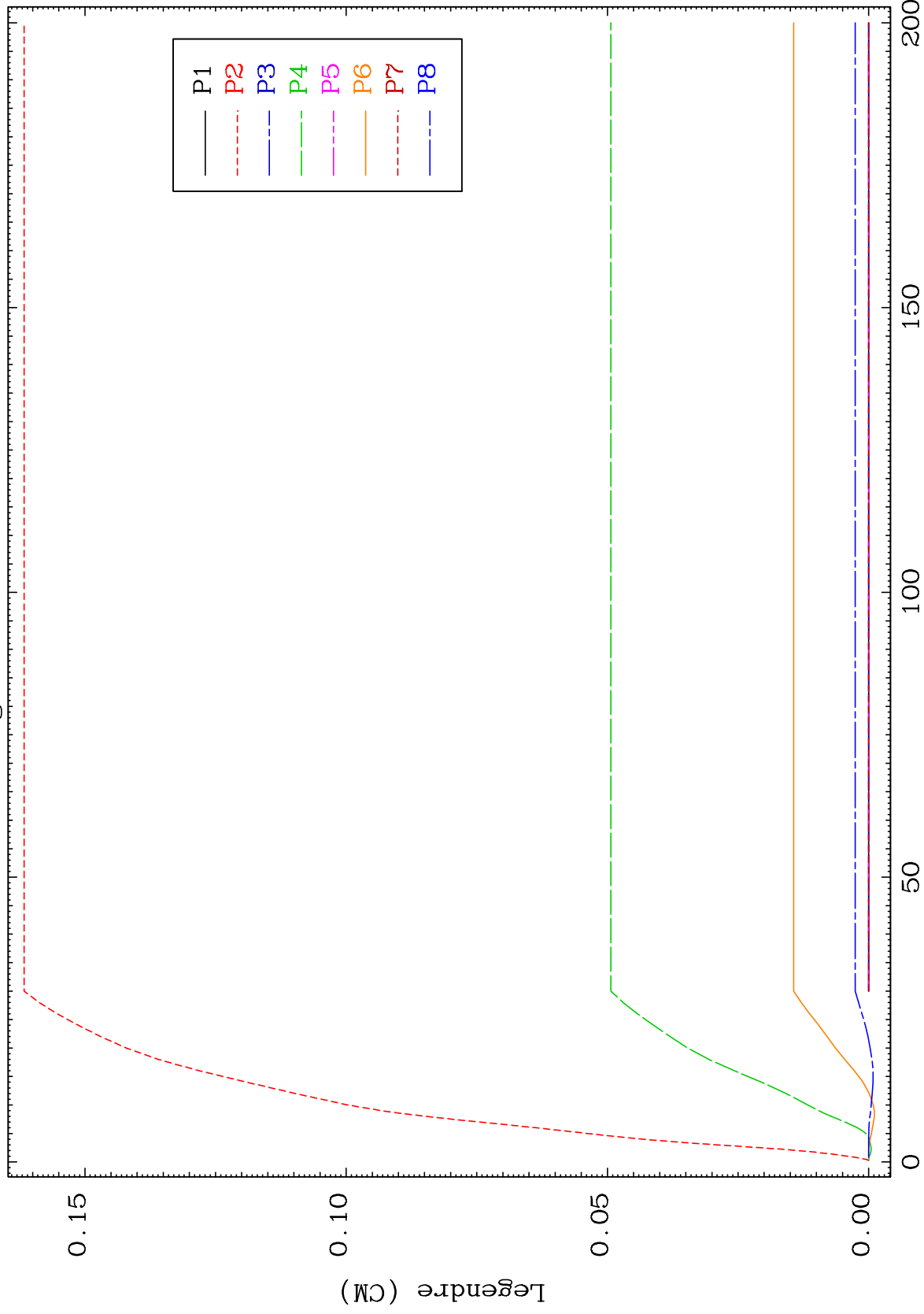
57-La-136



MAT 5719

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

57-La-136



42

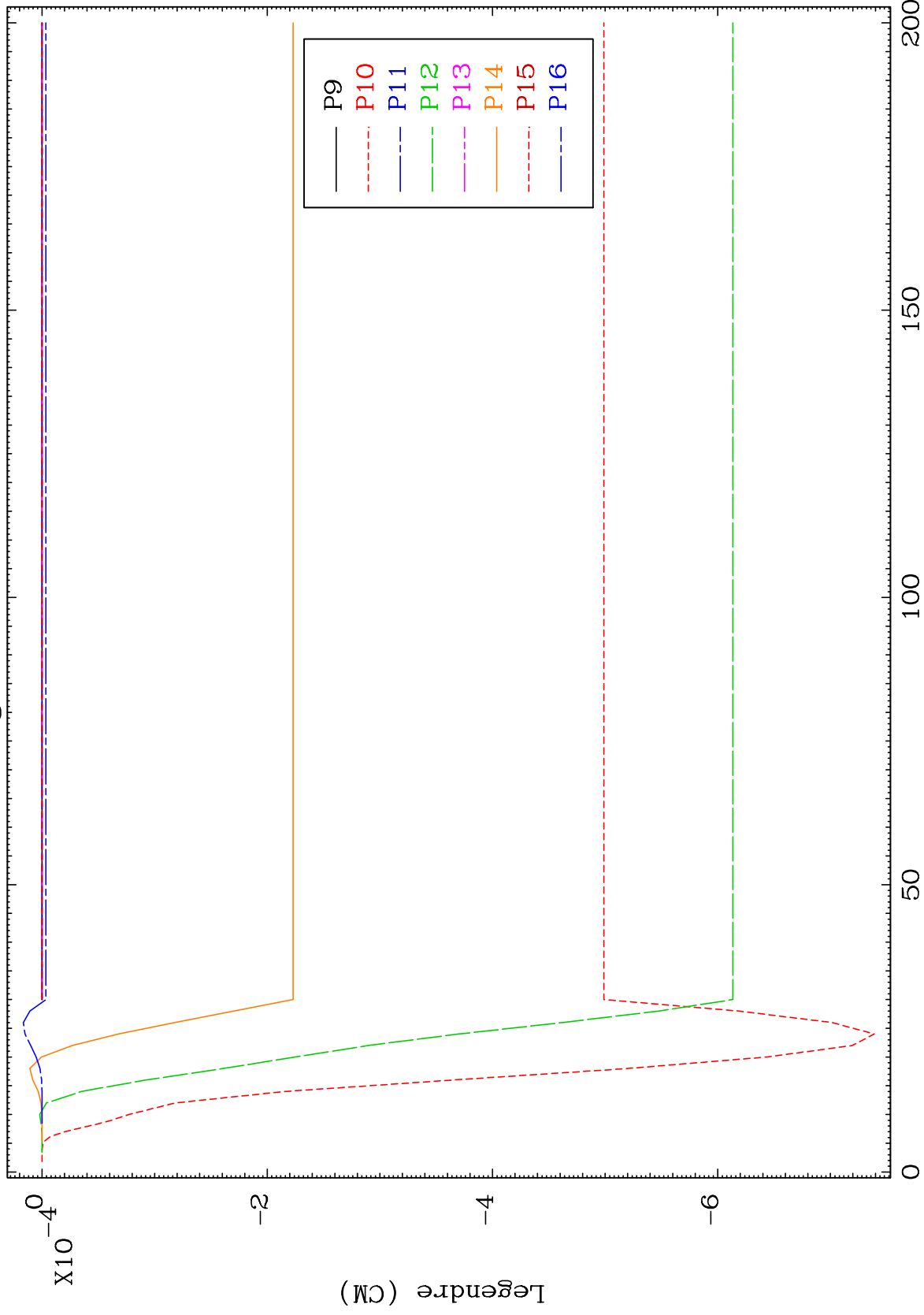
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



43

Incident Energy (MeV)

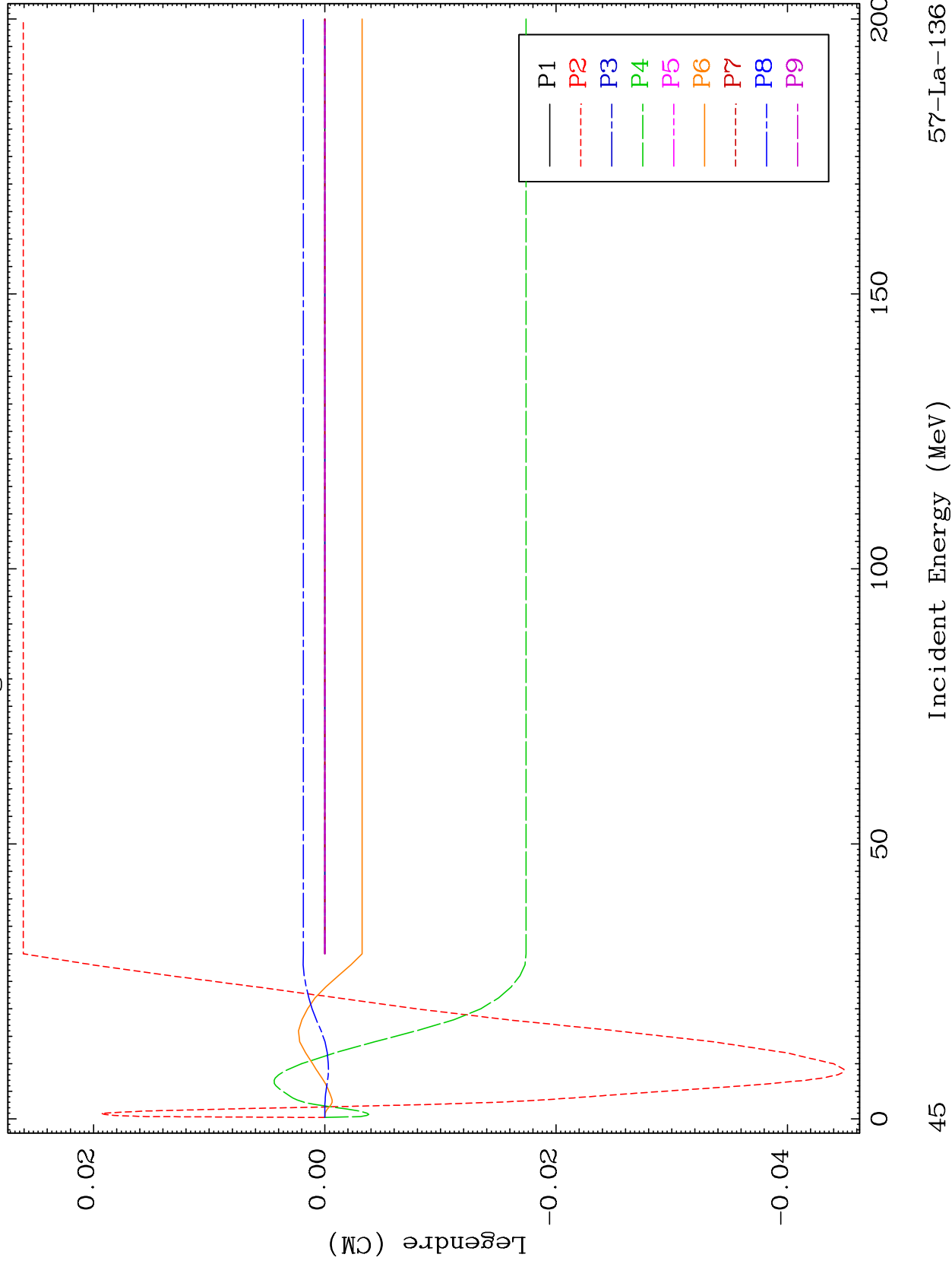
57-La-136



MAT 5719

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

57-La-136



57-La-136

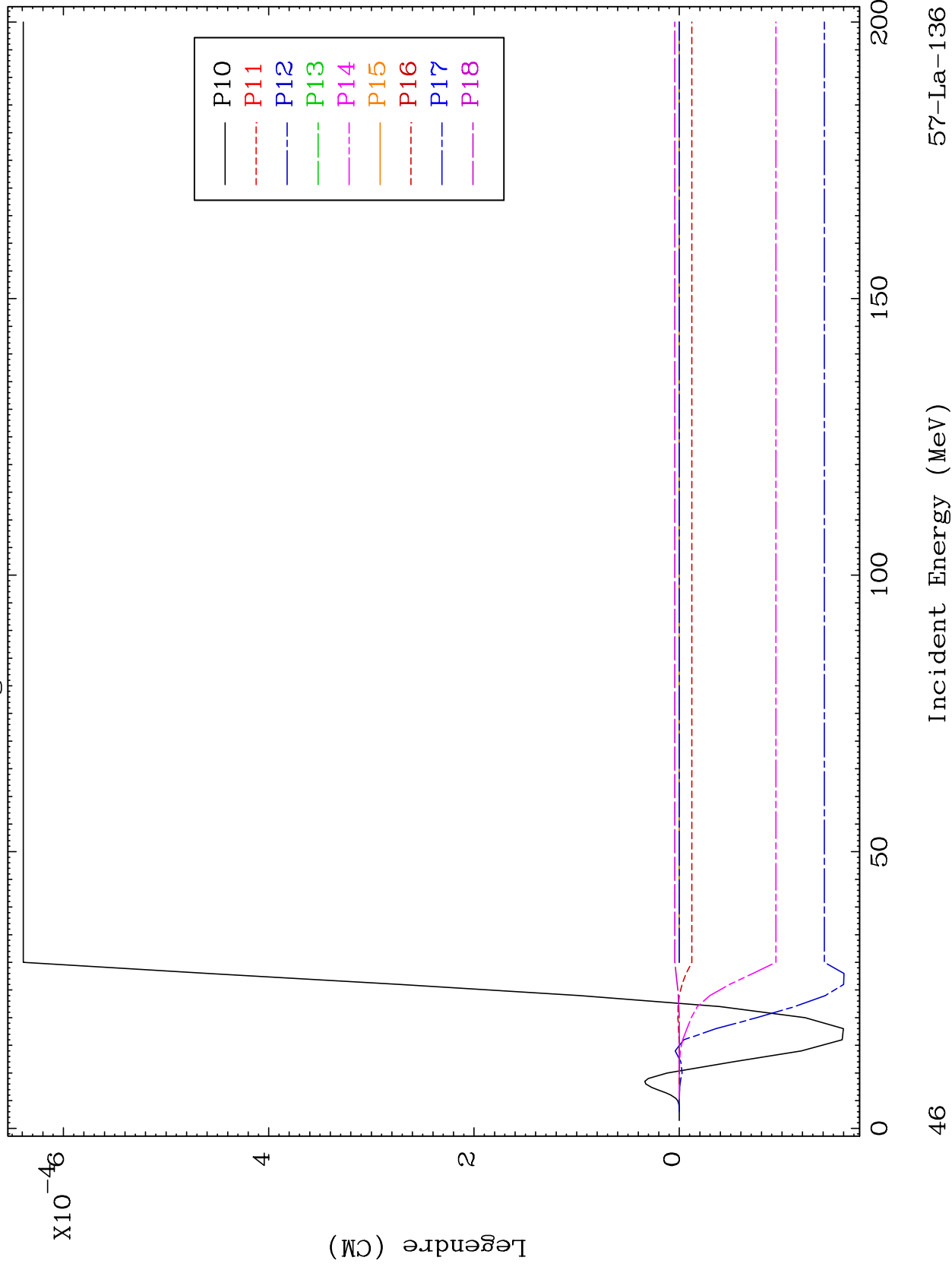
Incident Energy (MeV)

45

MAT 5719

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

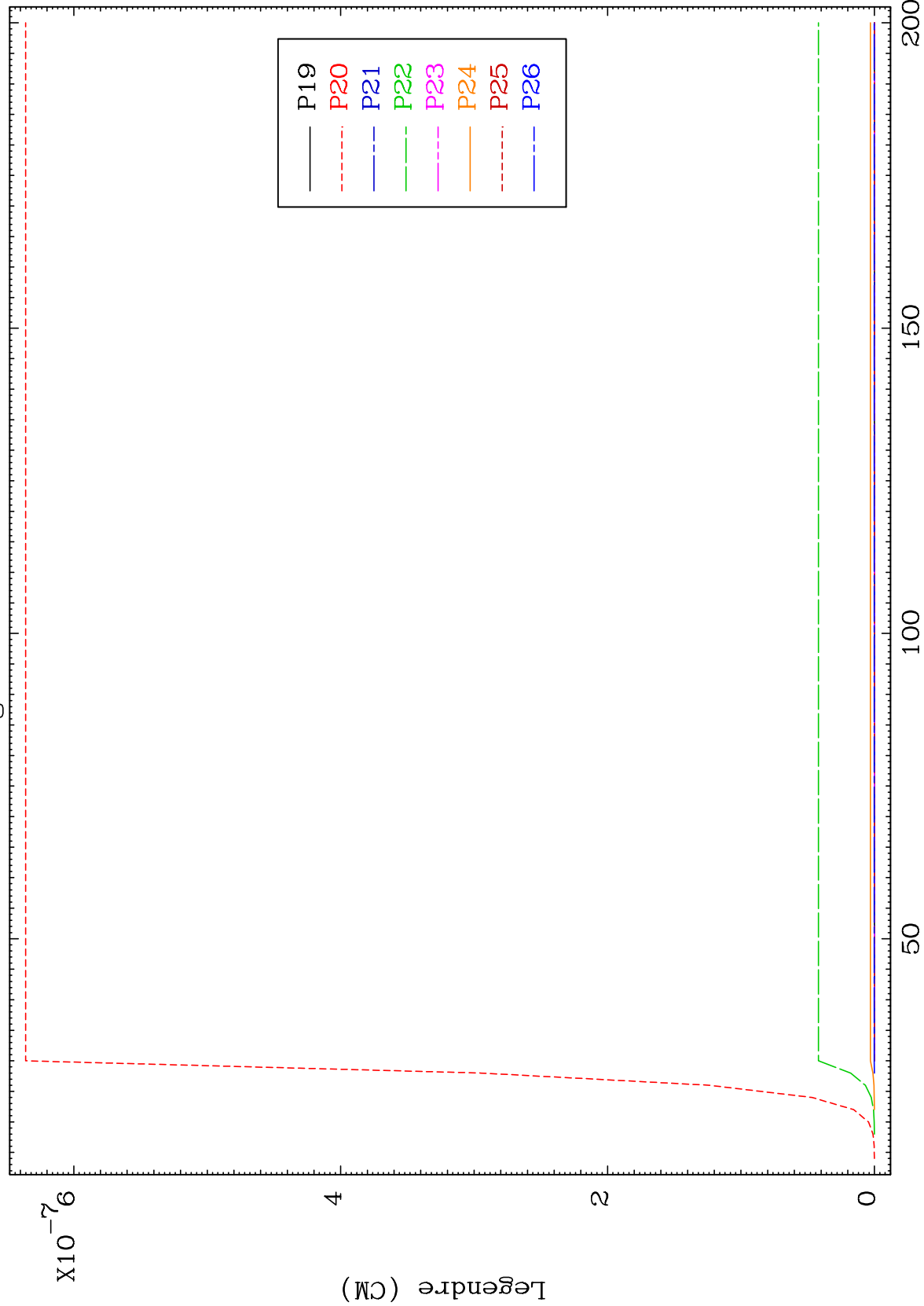
57-La-136



MAT 5719

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

57-La-136



57-La-136

Incident Energy (MeV)

47

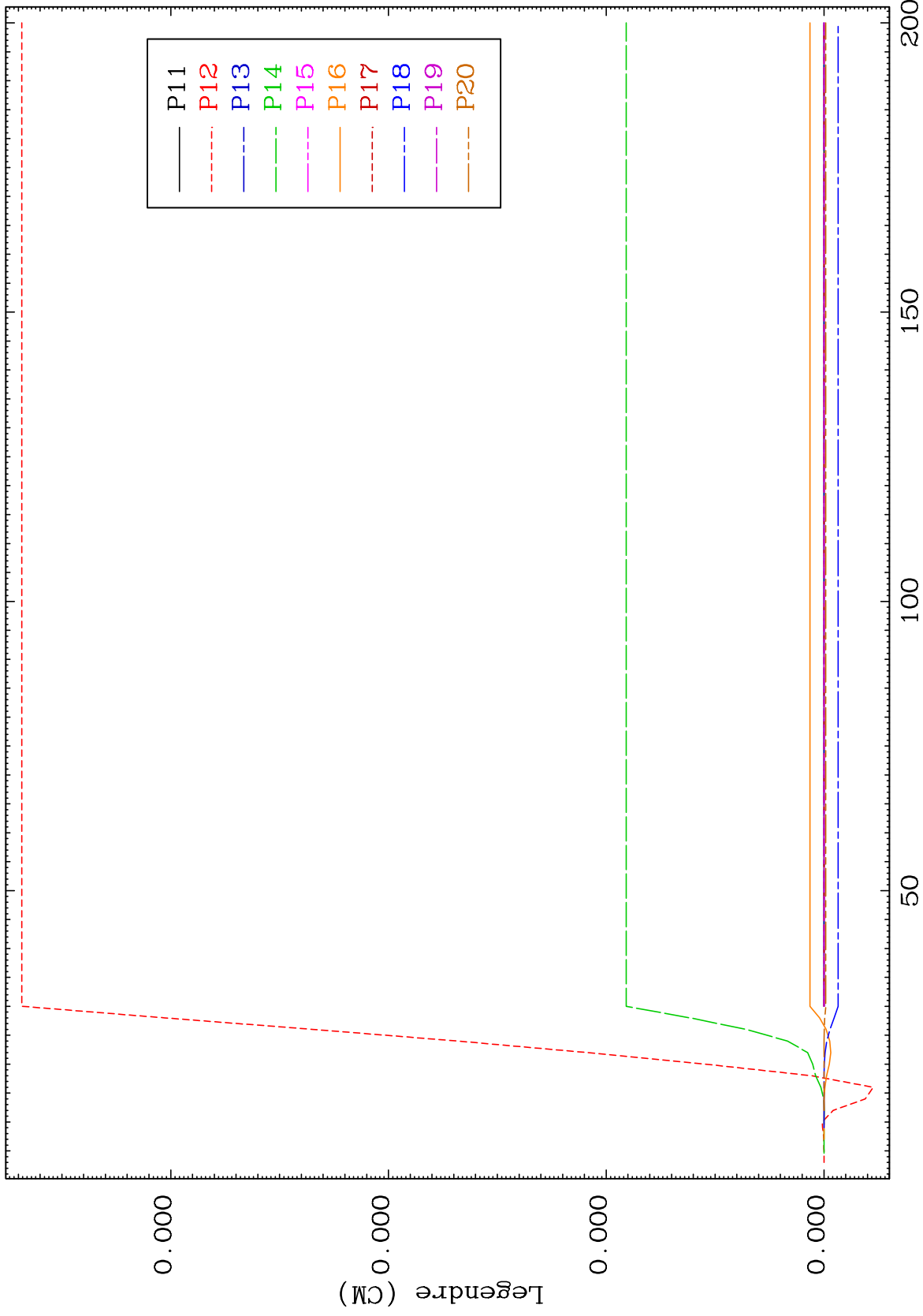




MAT 5719

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

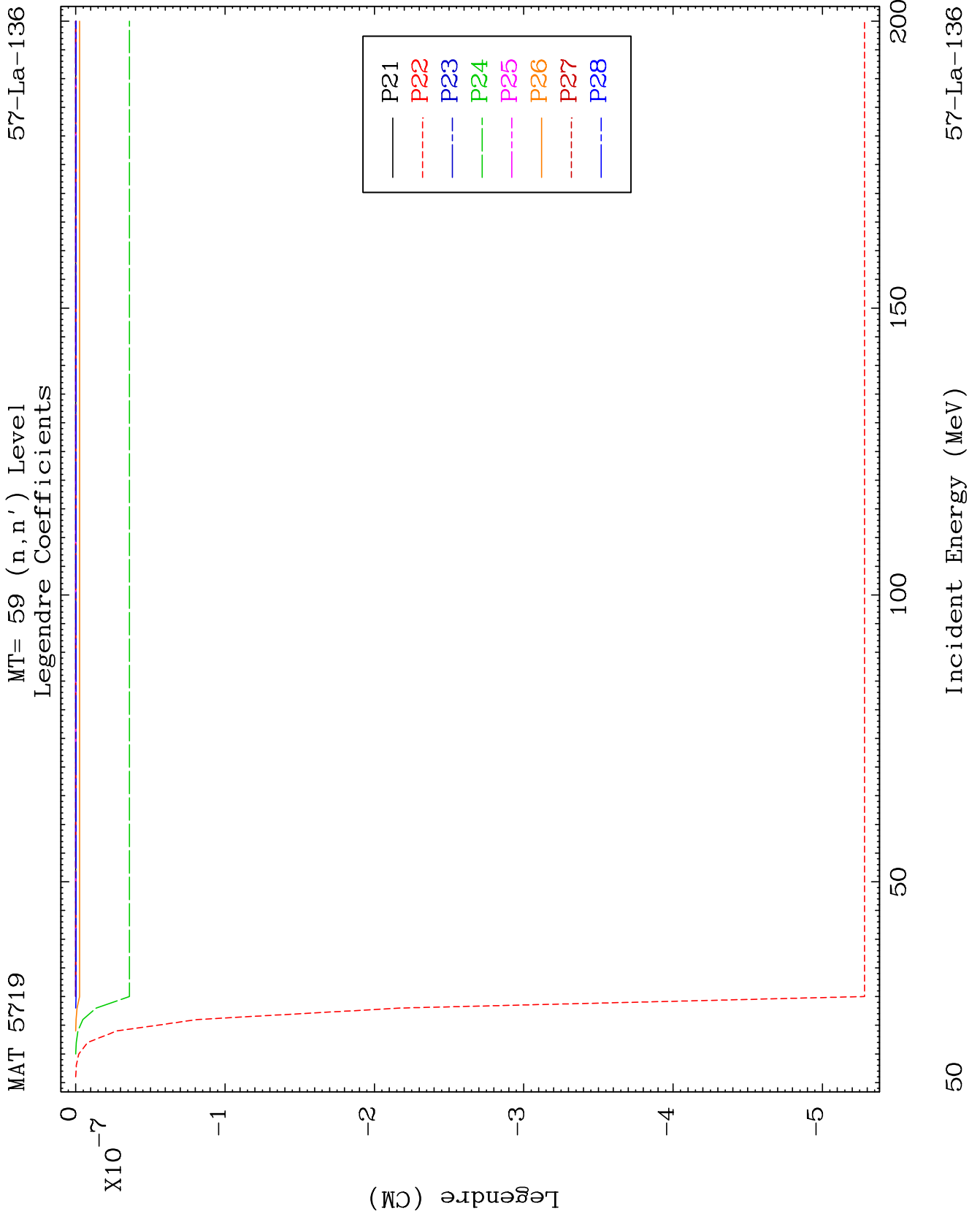
57-La-136



49

Incident Energy (MeV)

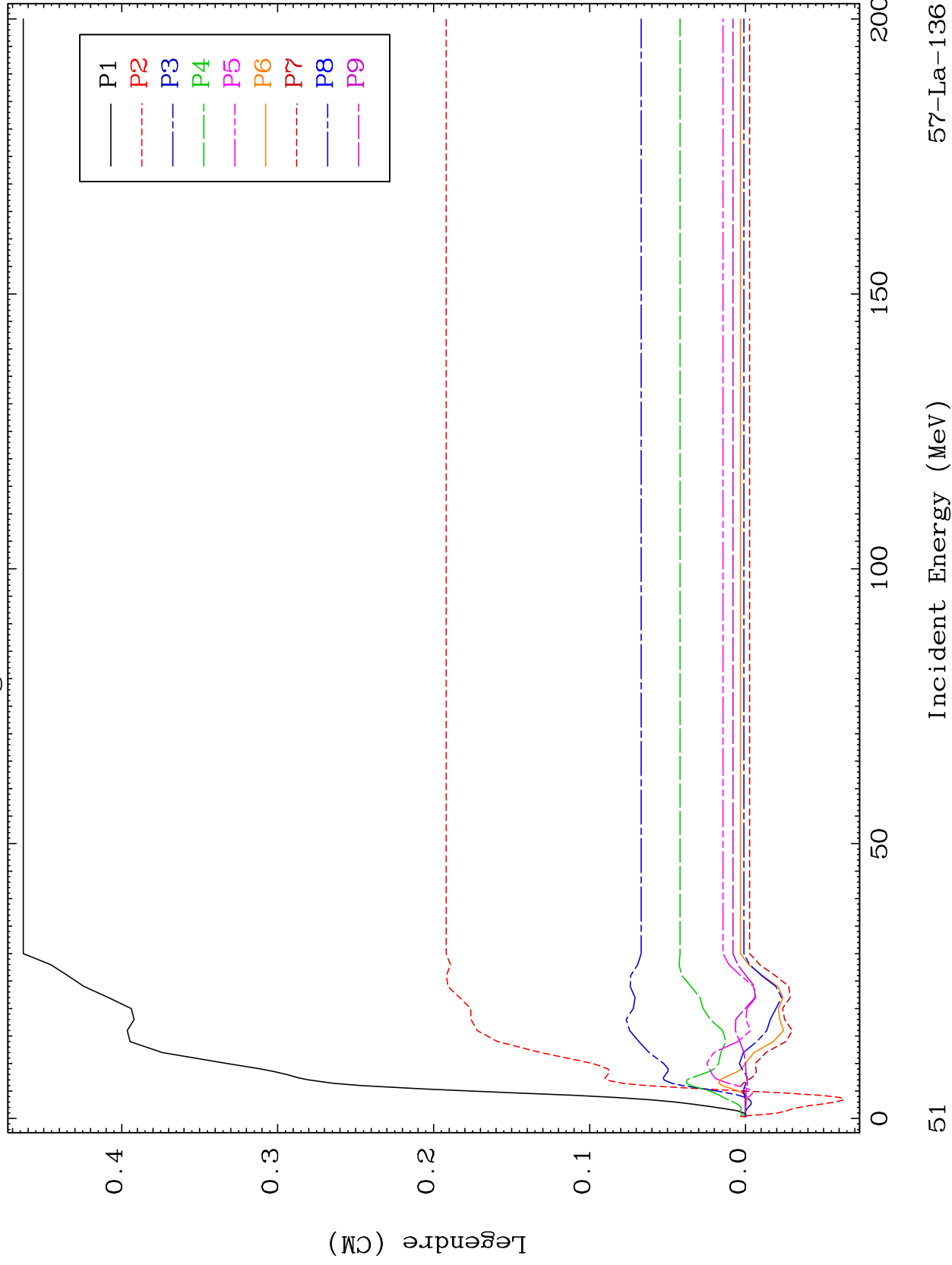
57-La-136



MAT 5719

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

57-La-136



57-La-136

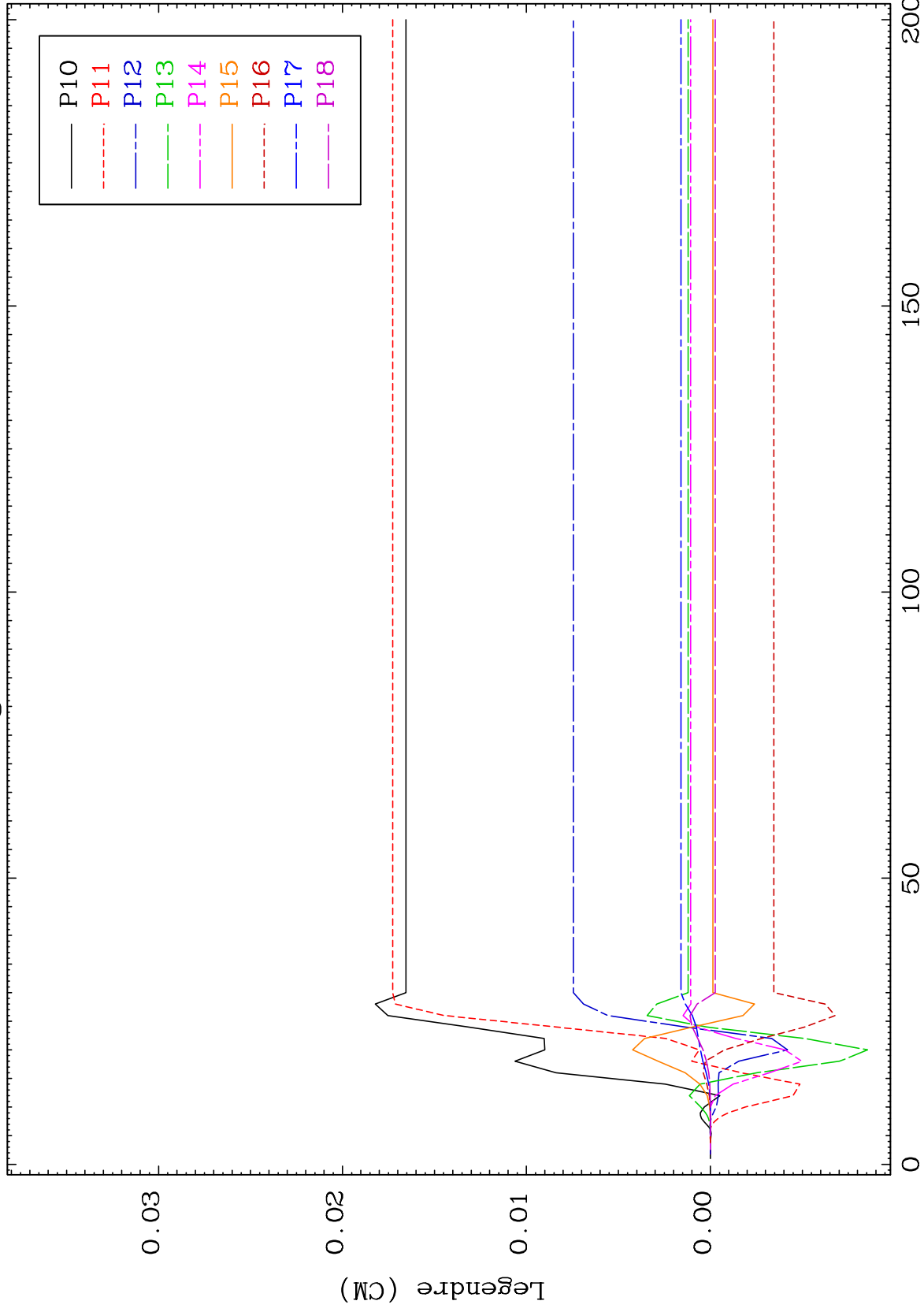
Incident Energy (MeV)

51

MAT 5719

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

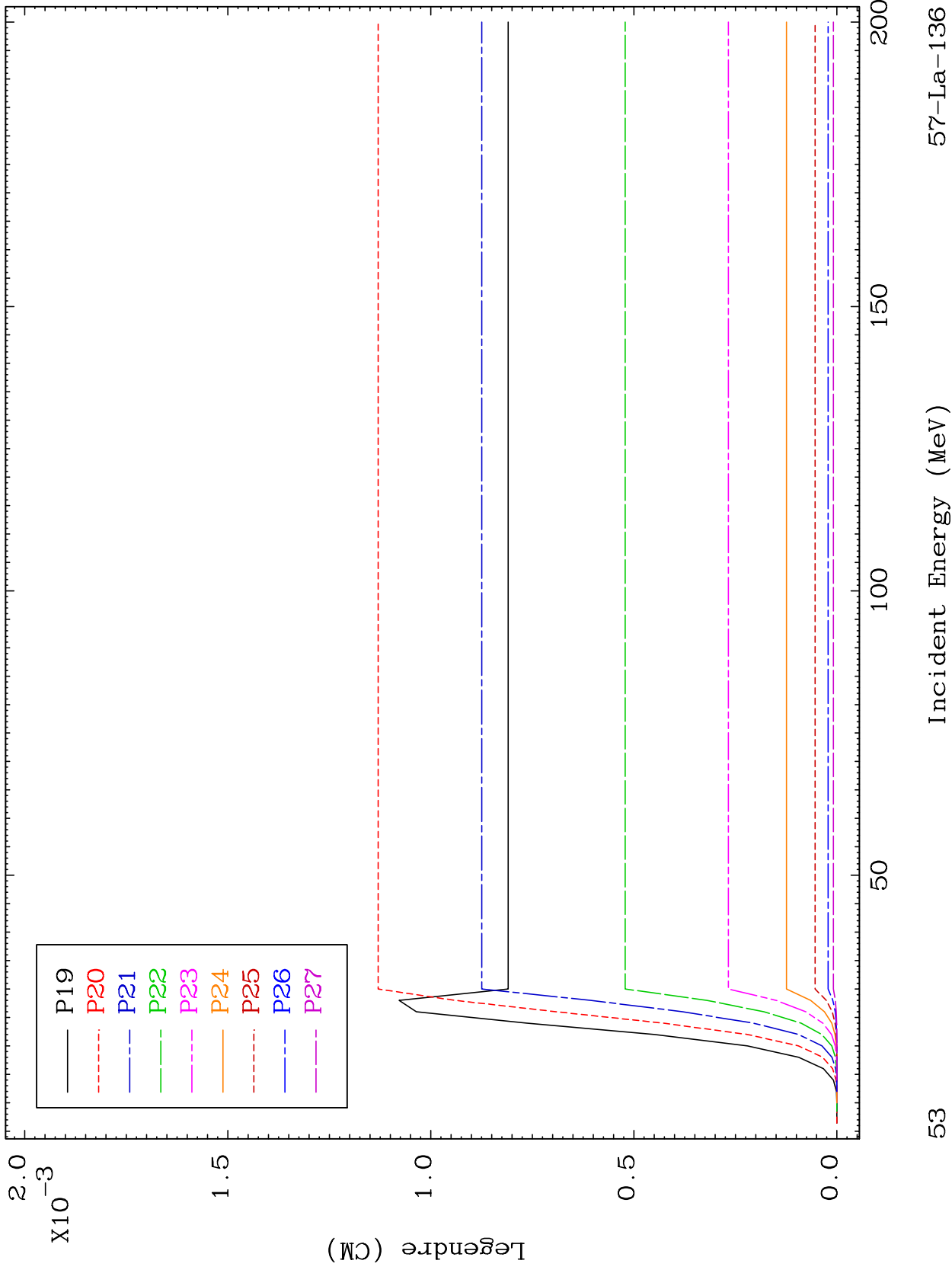
57-La-136



52

Incident Energy (MeV)

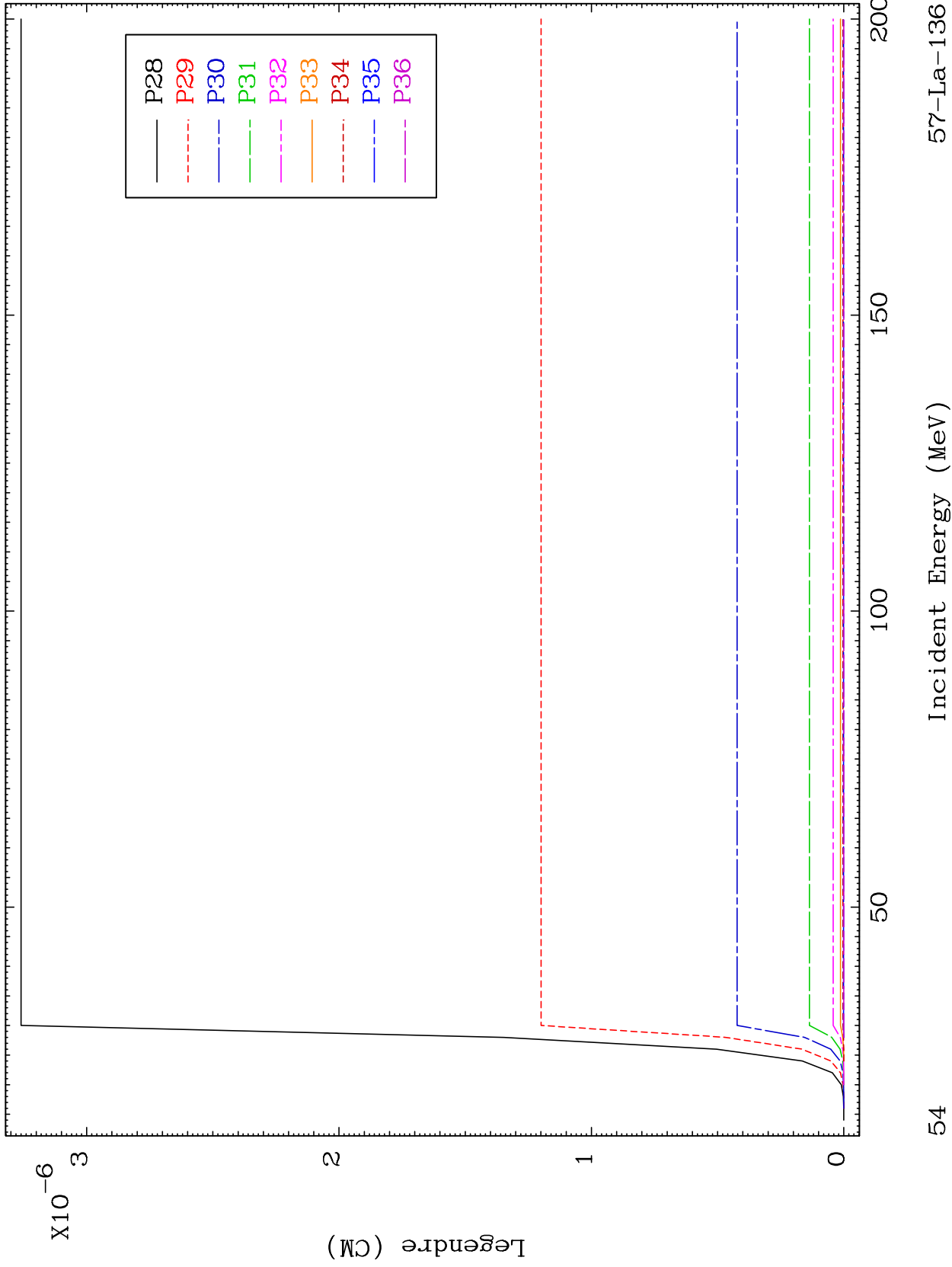
57-La-136



MAT 5719

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

57-La-136



54

Incident Energy (MeV)

57-La-136

200

150

100

50

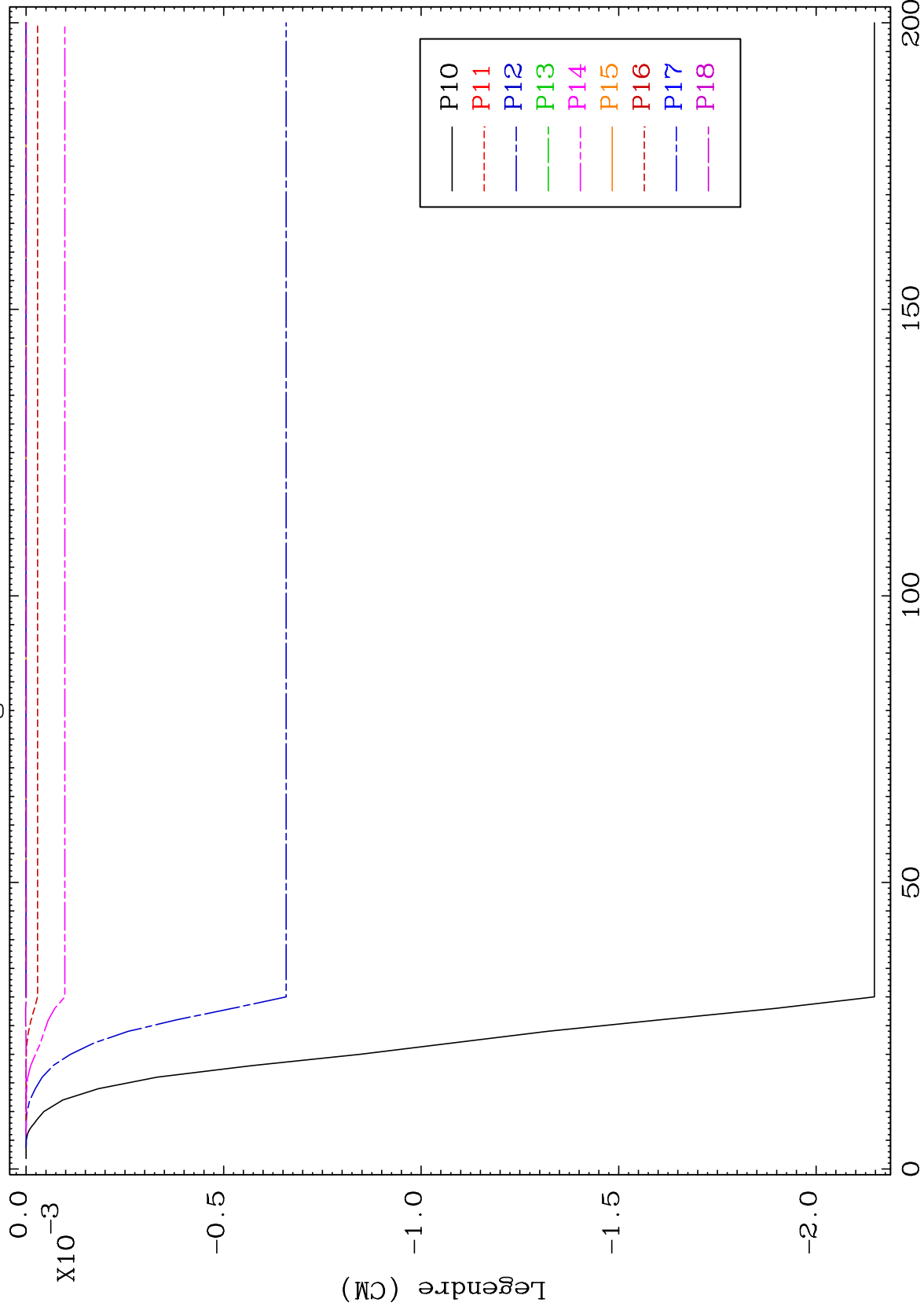




MAT 5719

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

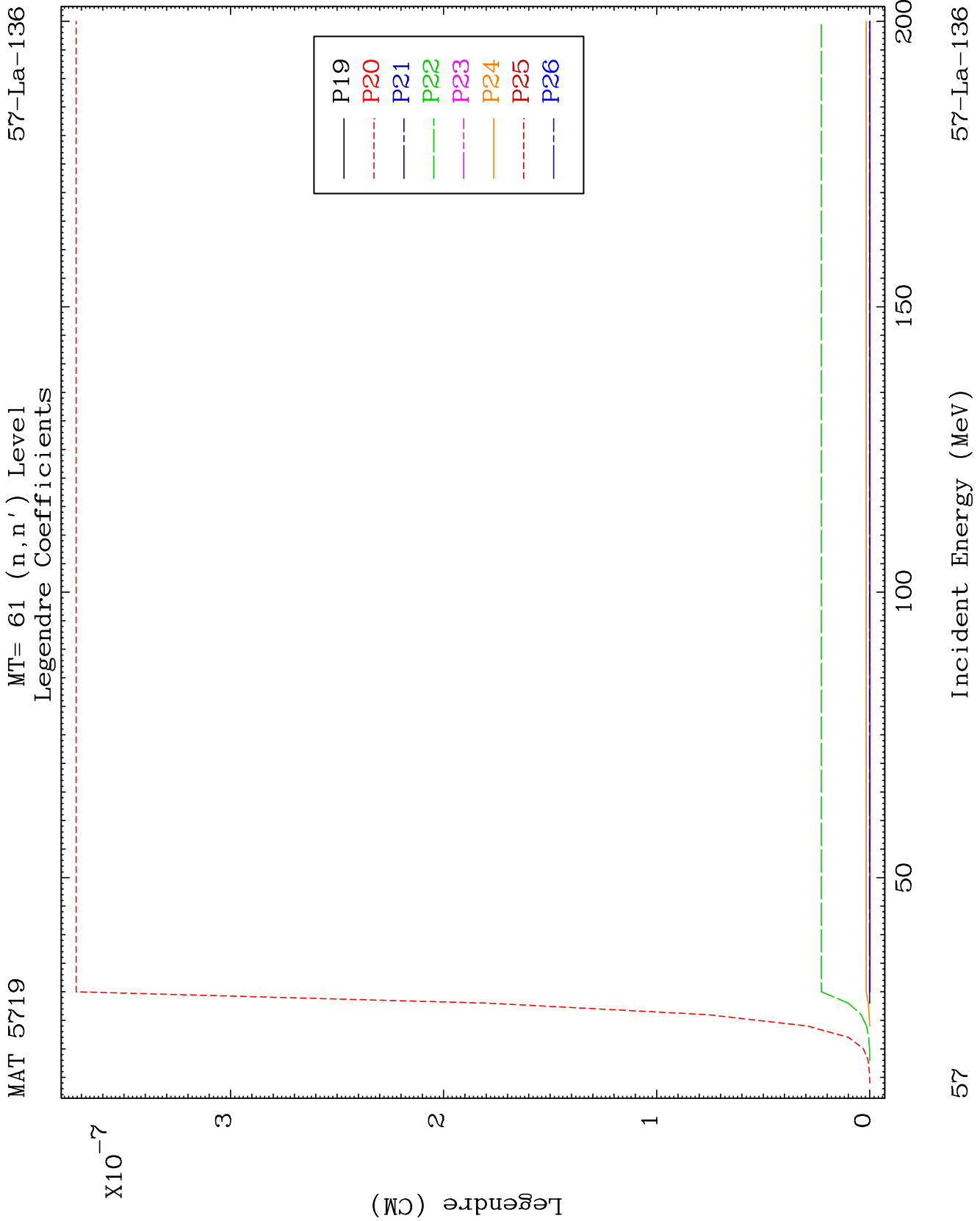
57-La-136

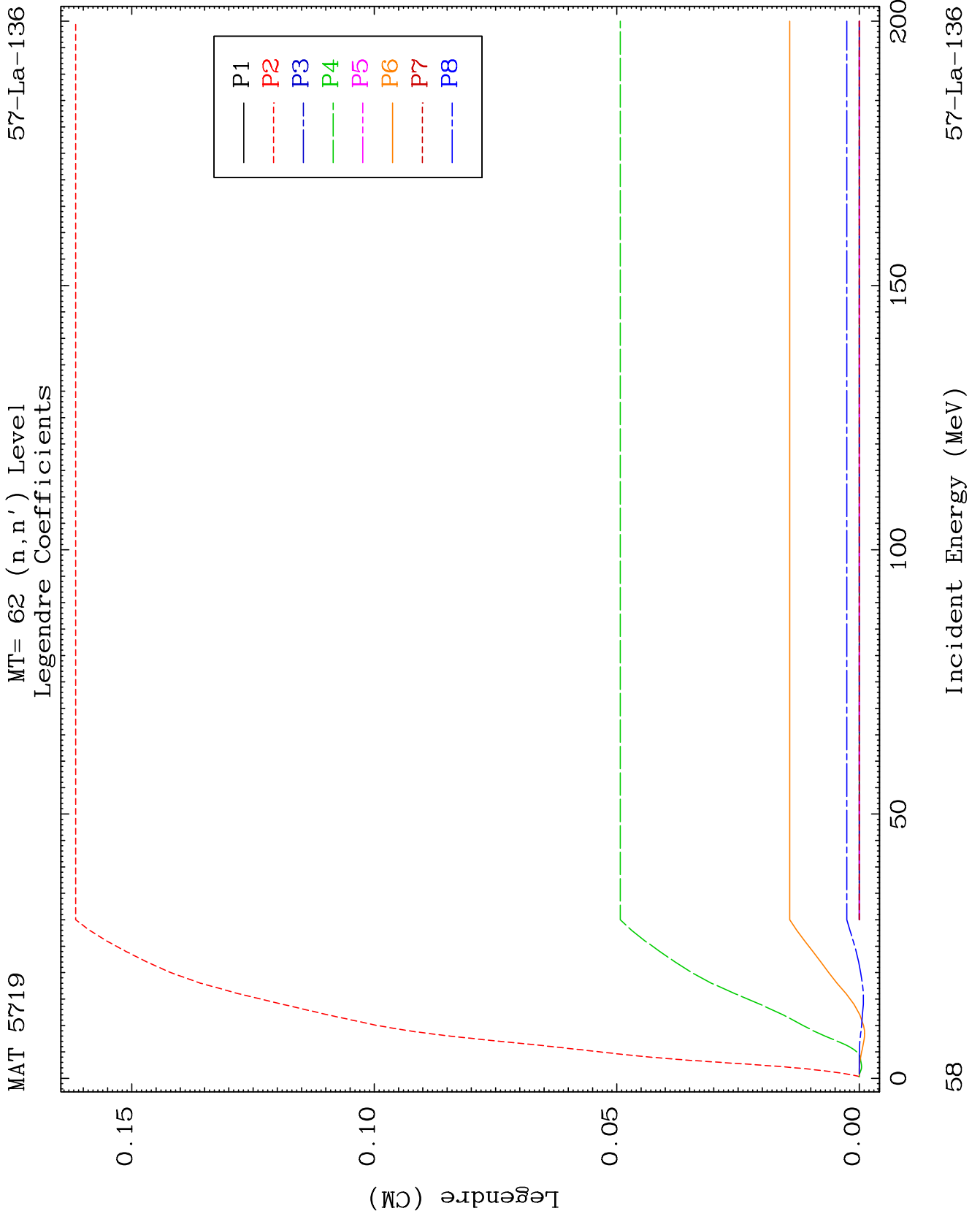


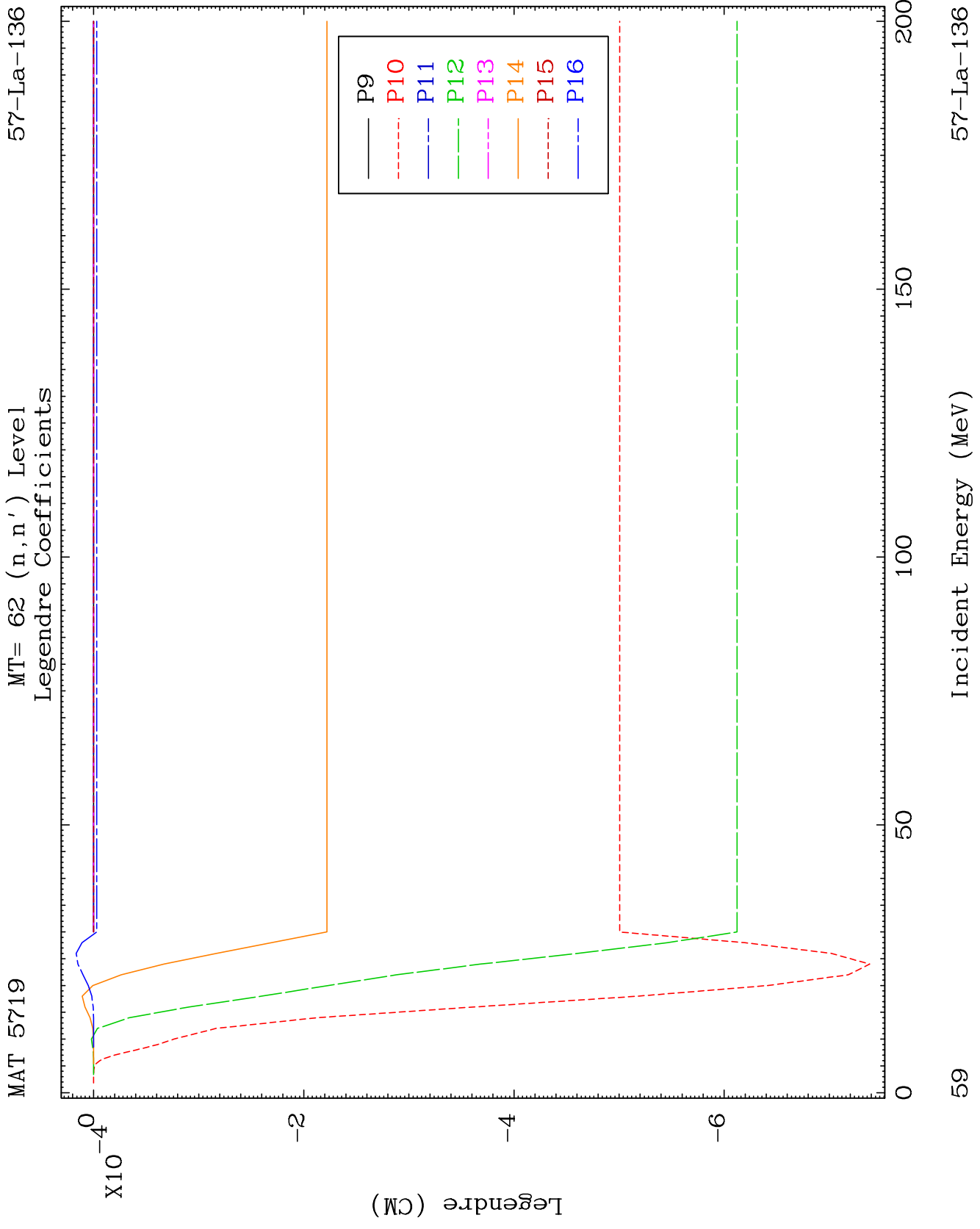
56

Incident Energy (MeV)

57-La-136





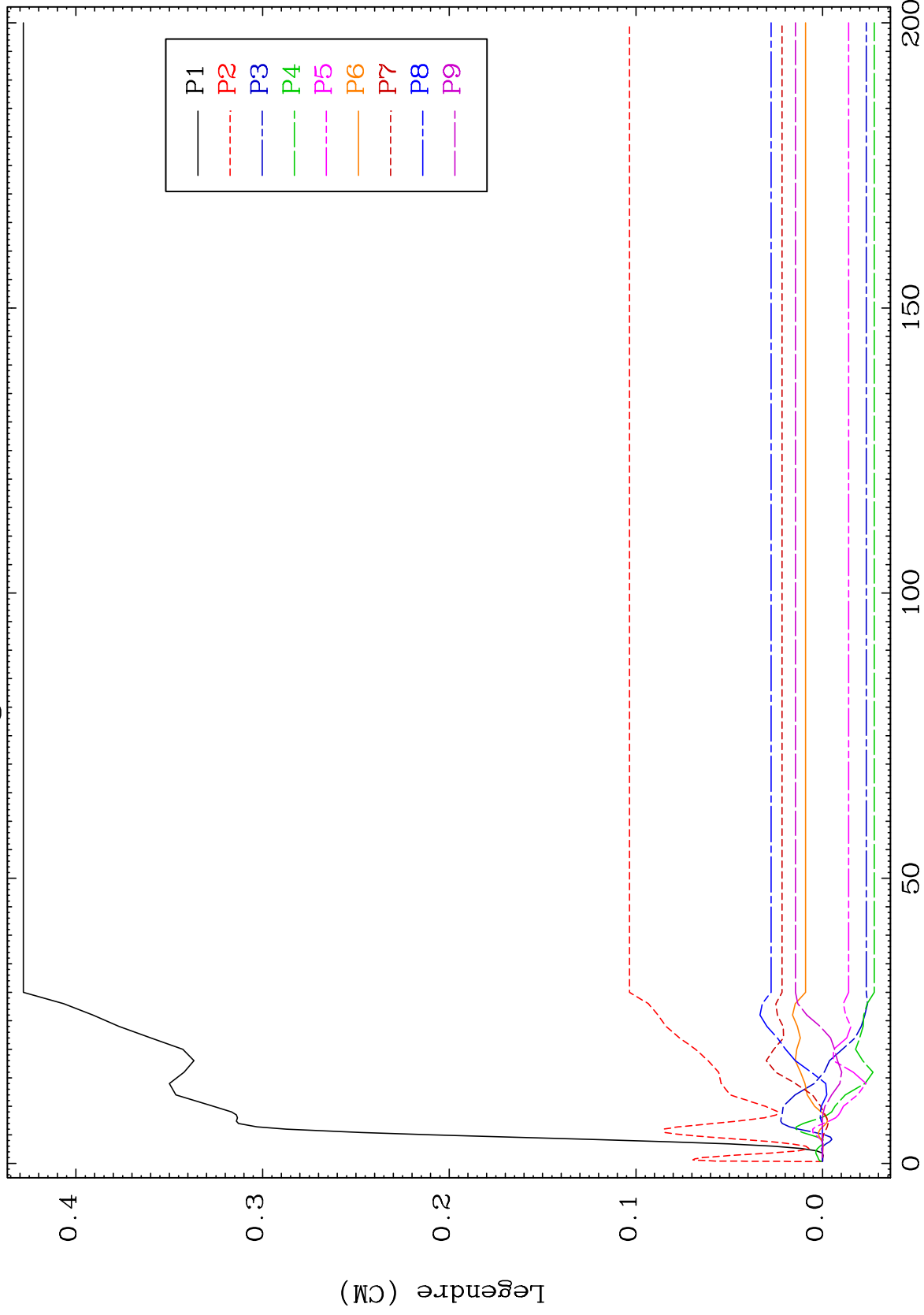




MAT 5719

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

57-La-136



61

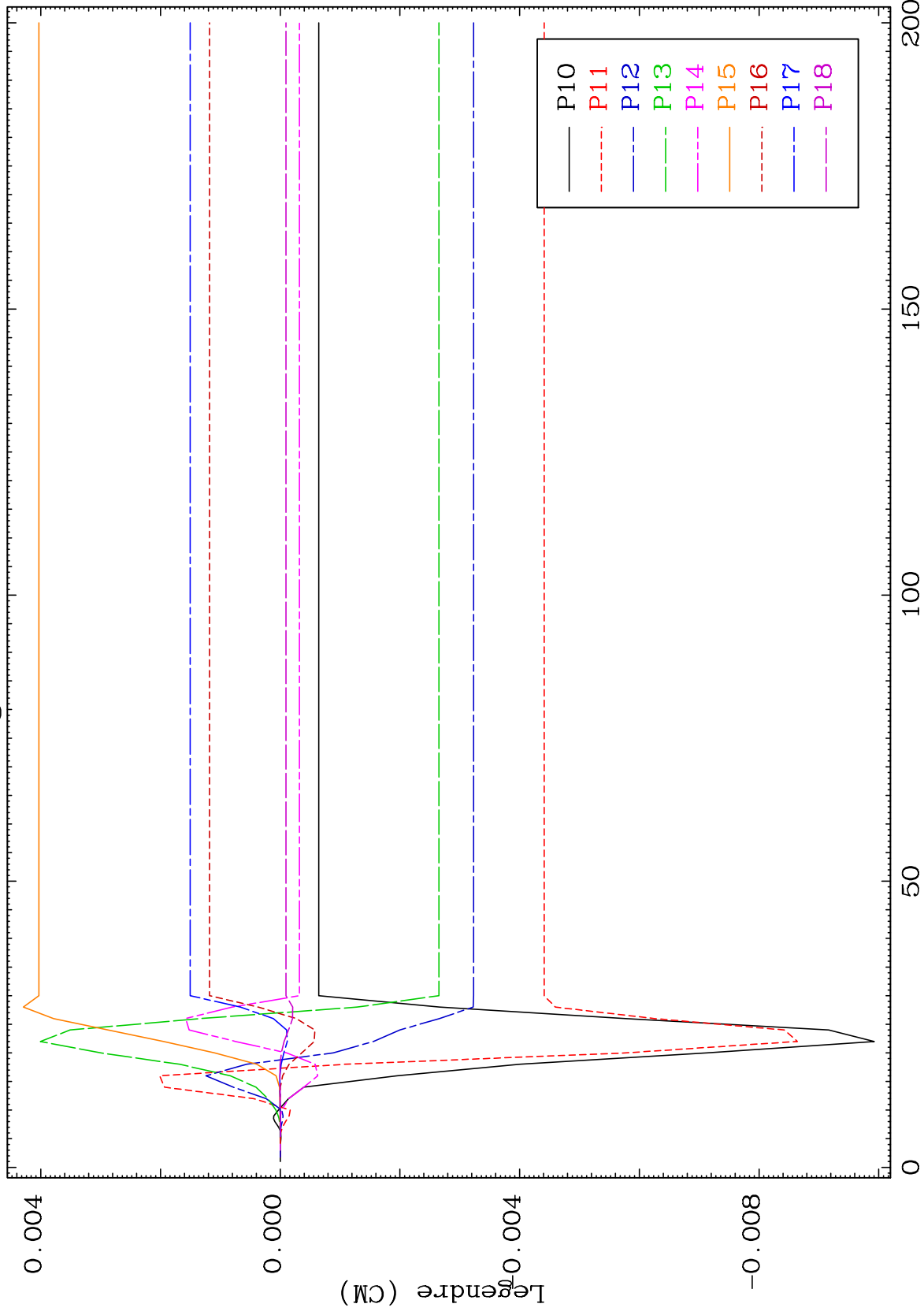
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



62

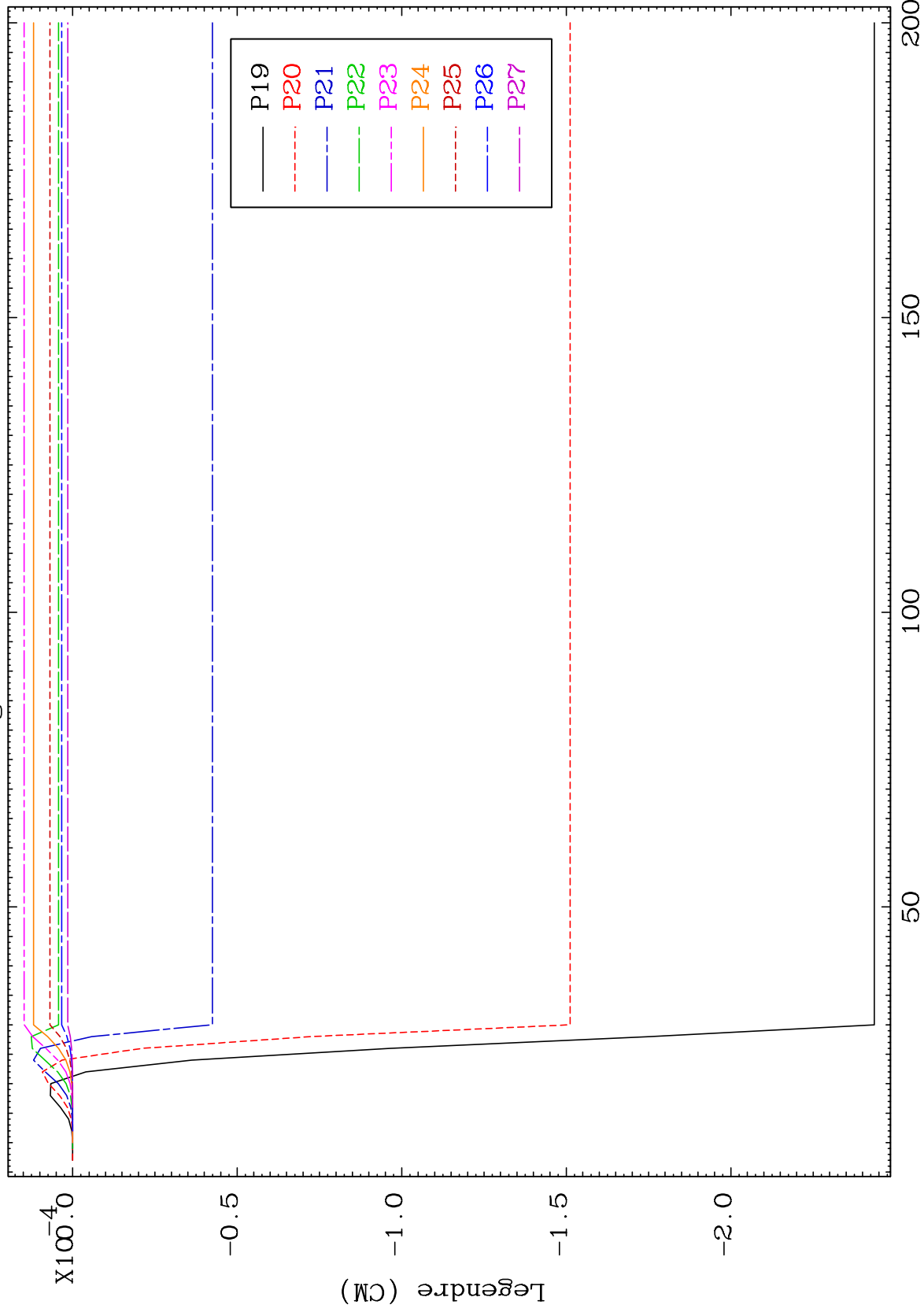
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



63

Incident Energy (MeV)

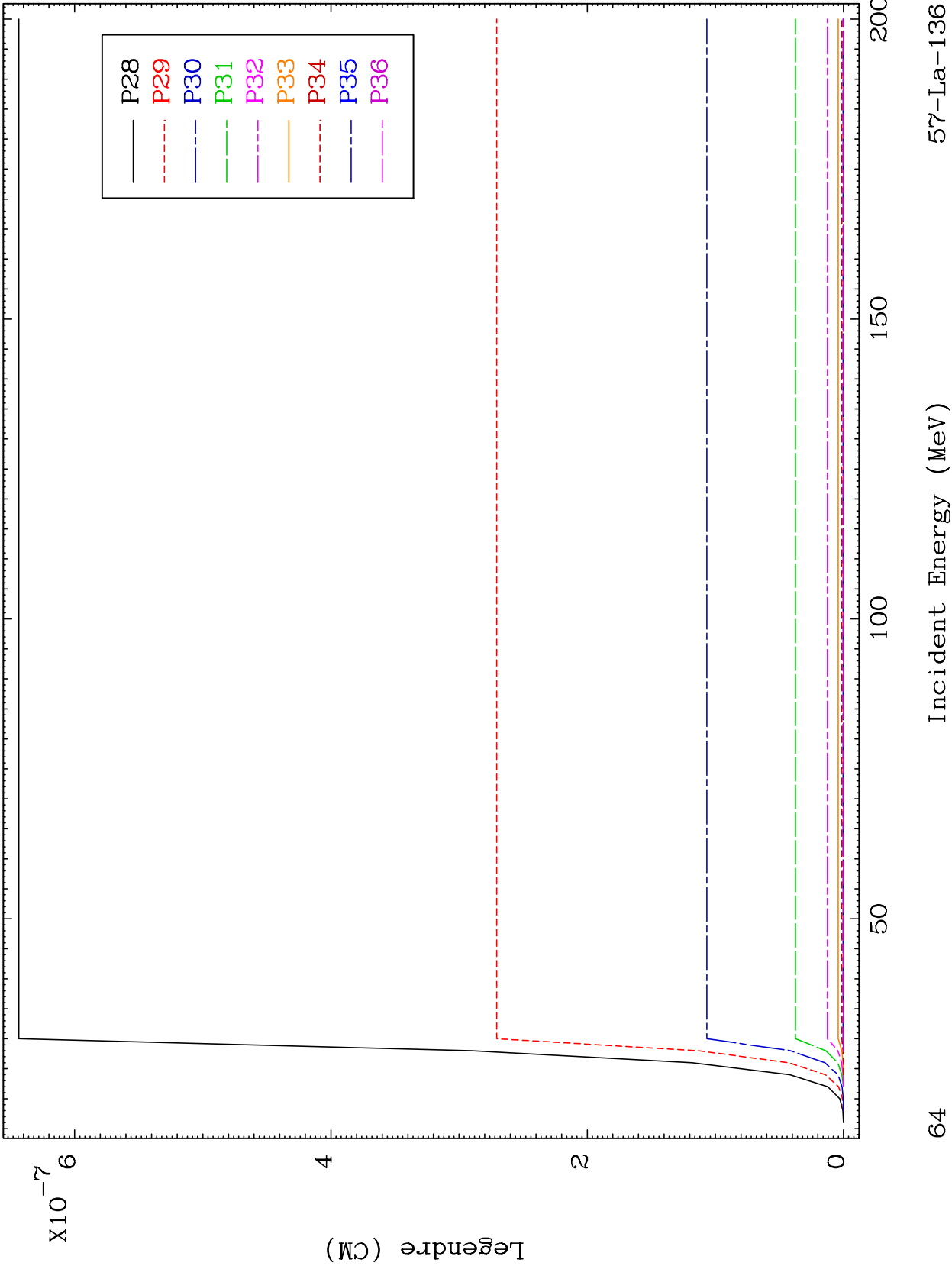
57-La-136



MAT 5719

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

57-La-136



64

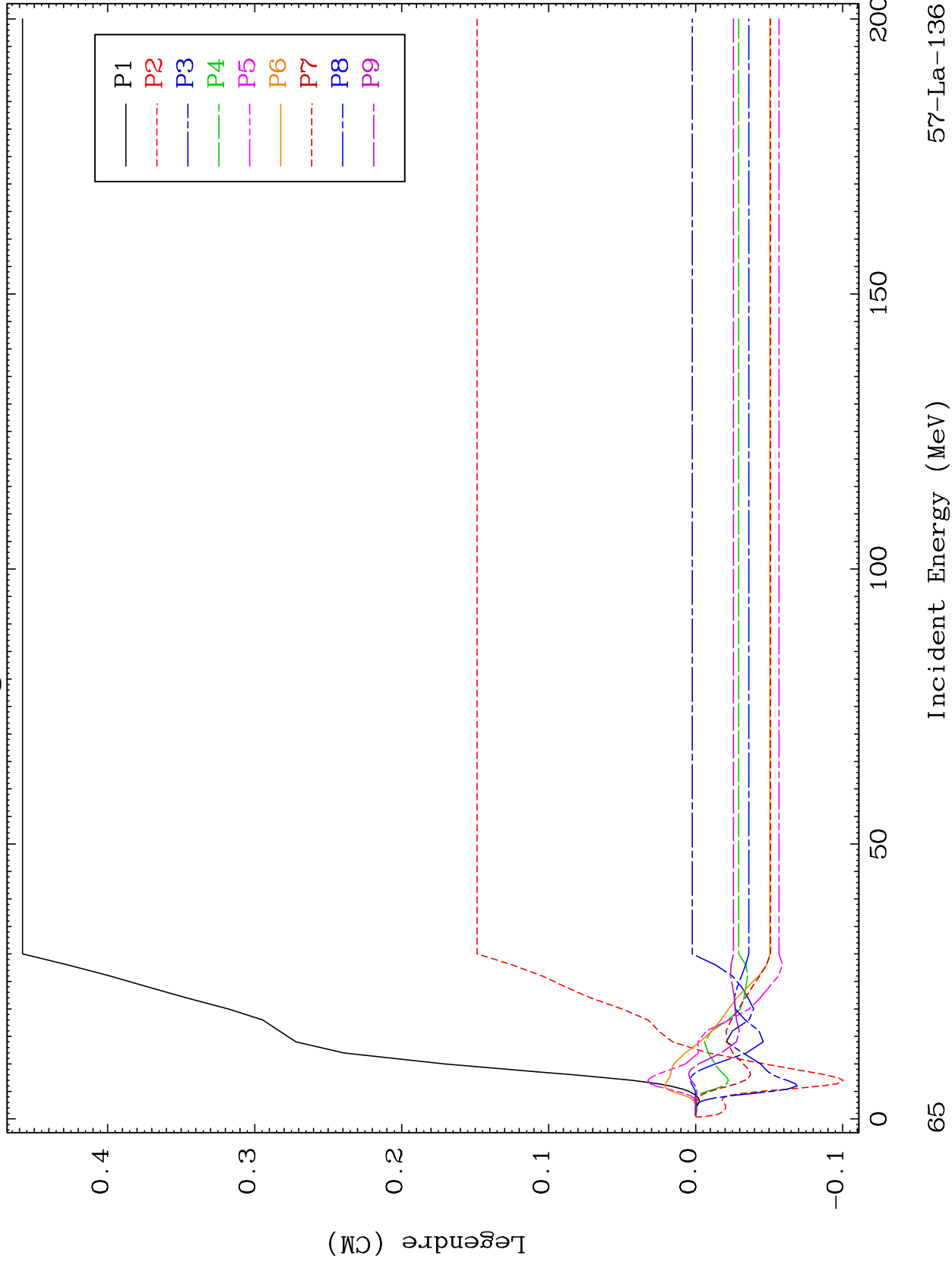
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



57-La-136

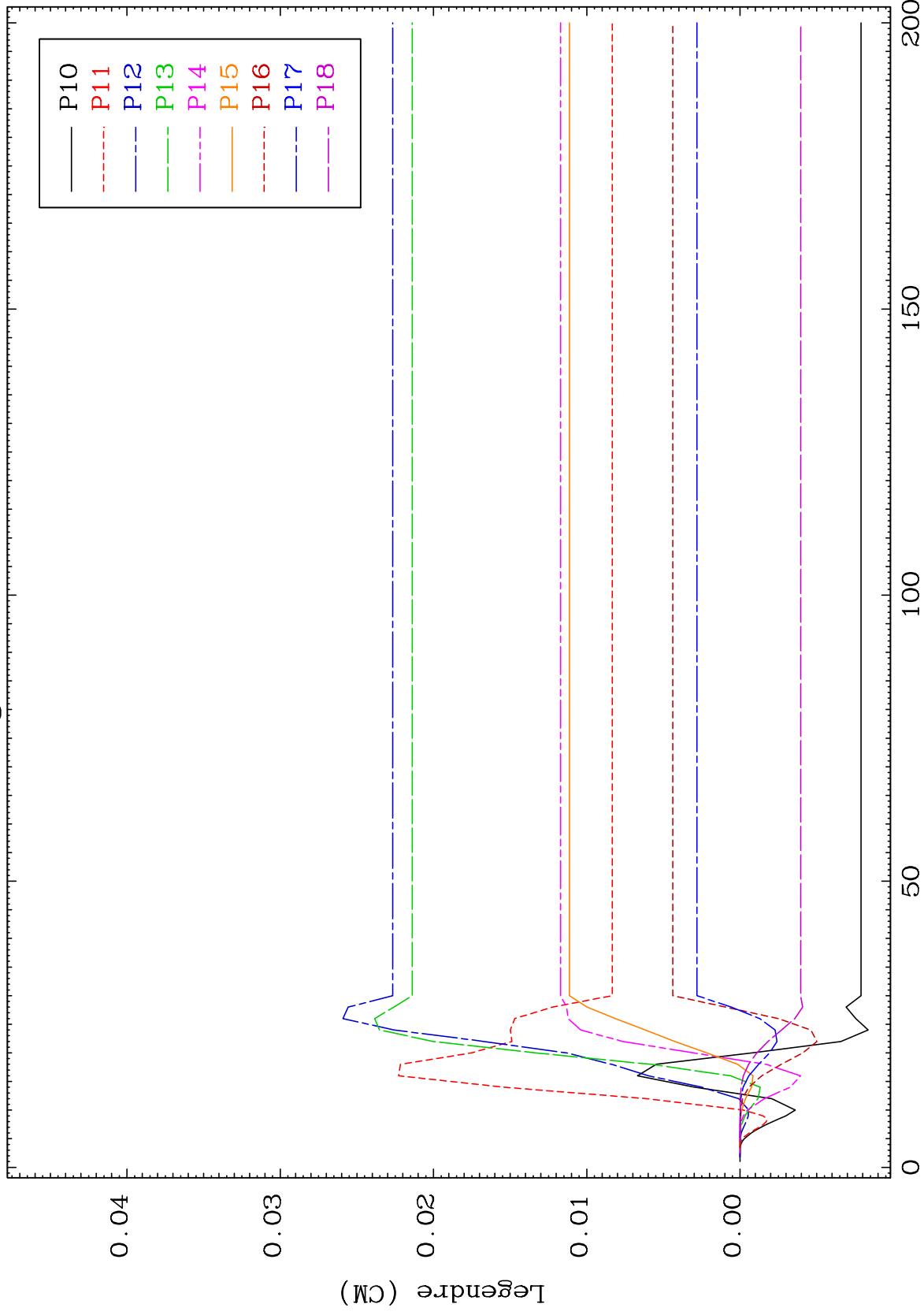
Incident Energy (MeV)

65

MAT 5719

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

57-La-136



66

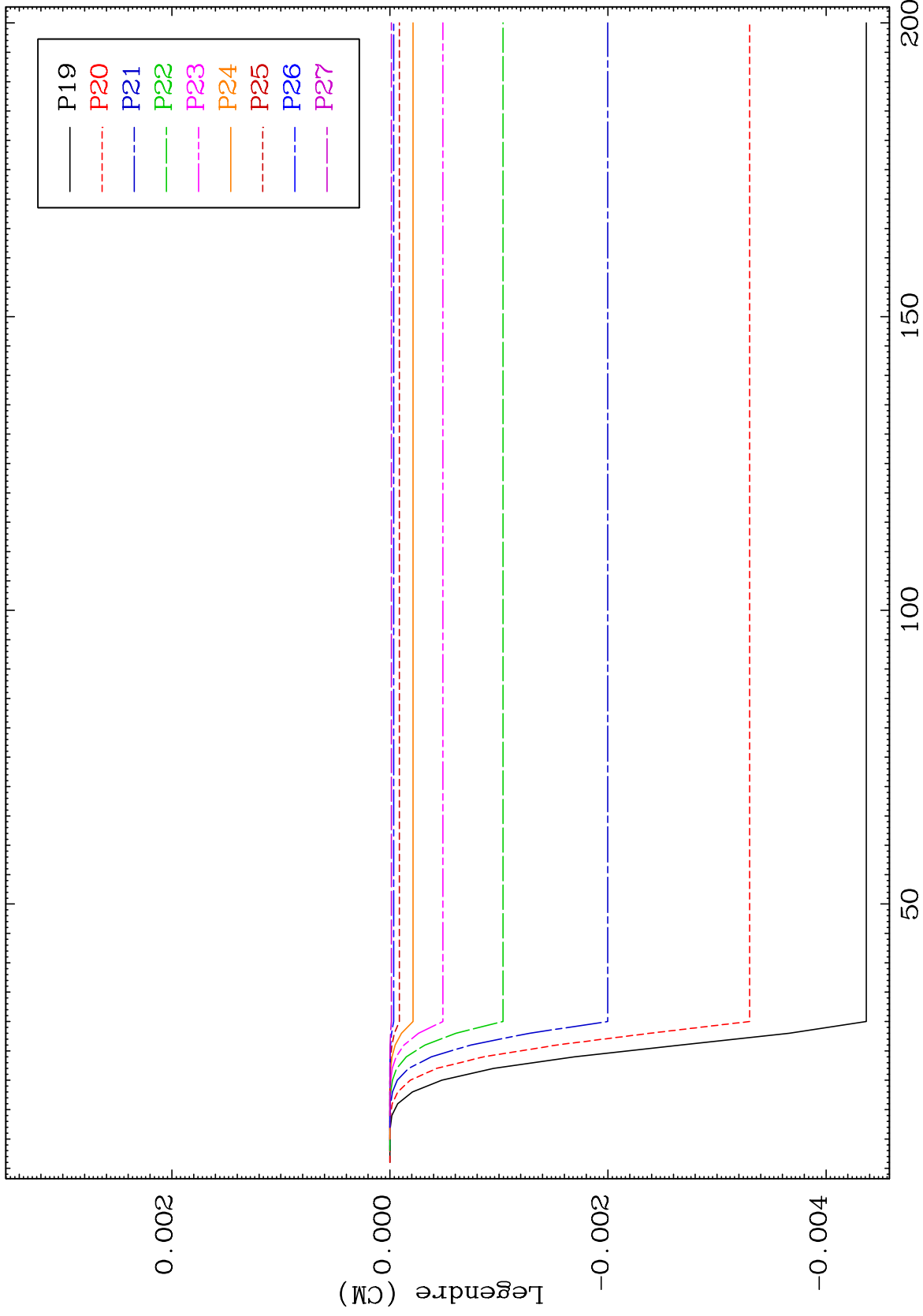
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



67

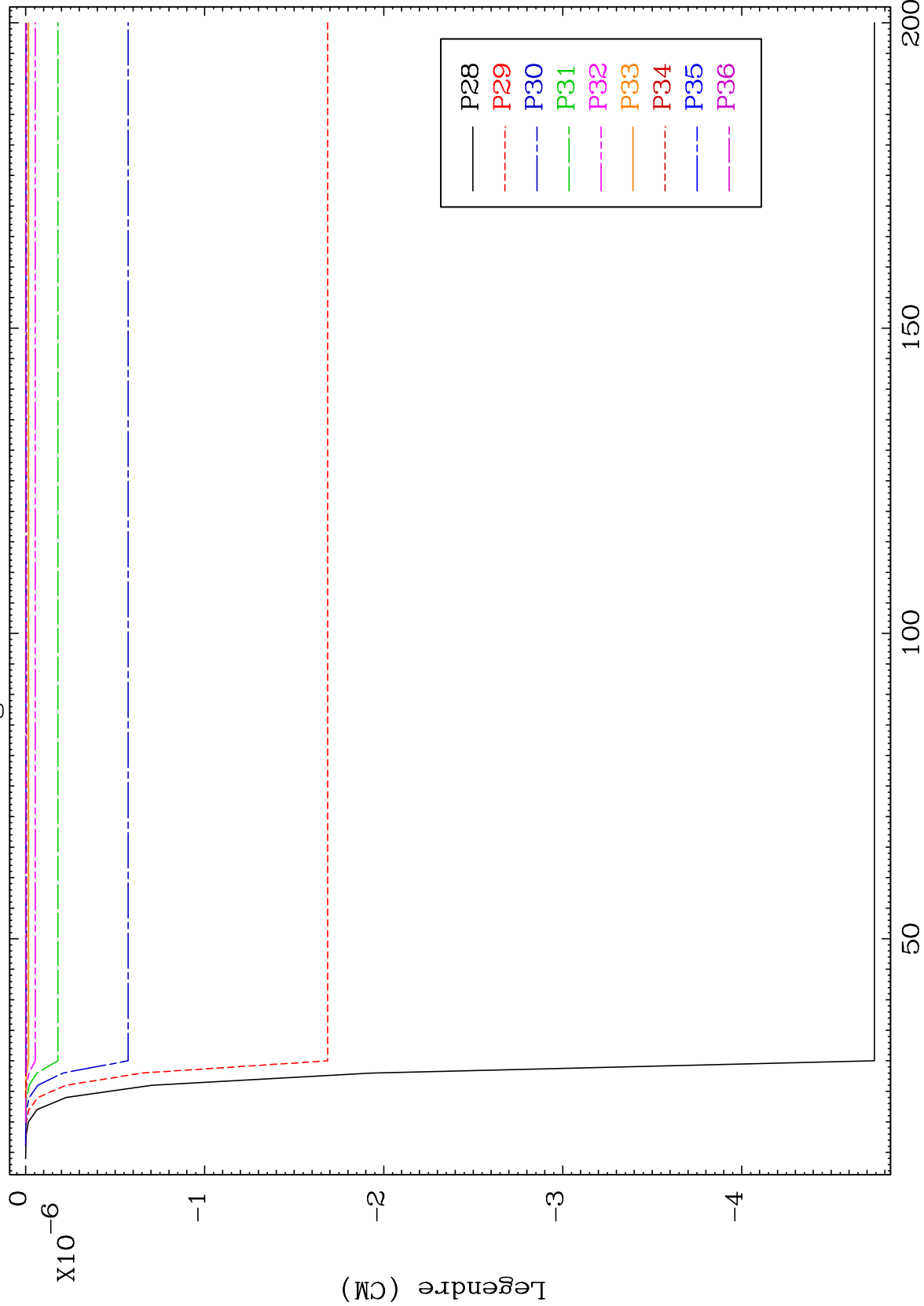
Incident Energy (MeV)

57-La-136

MAT 5719

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

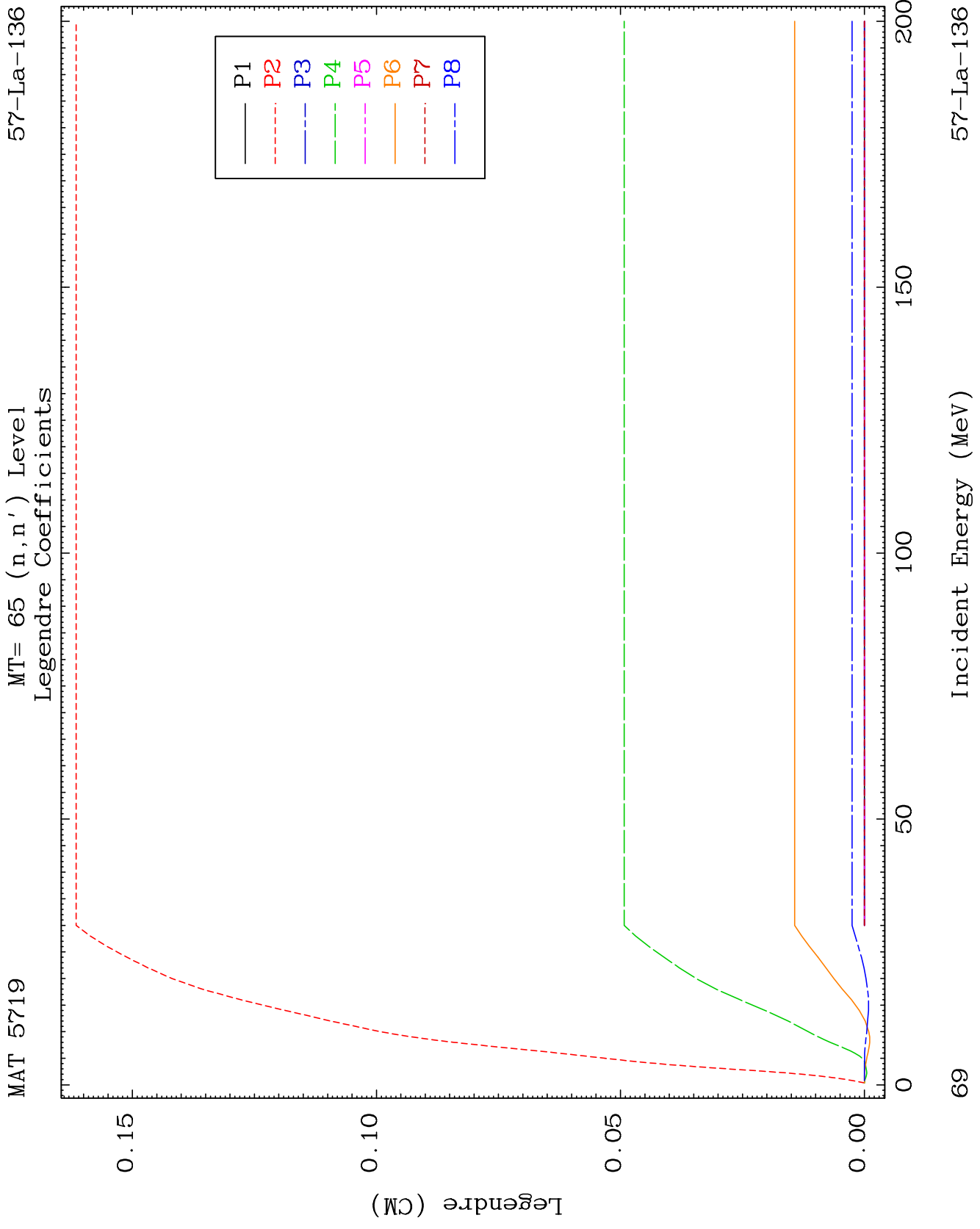
57-La-136



68

Incident Energy (MeV)

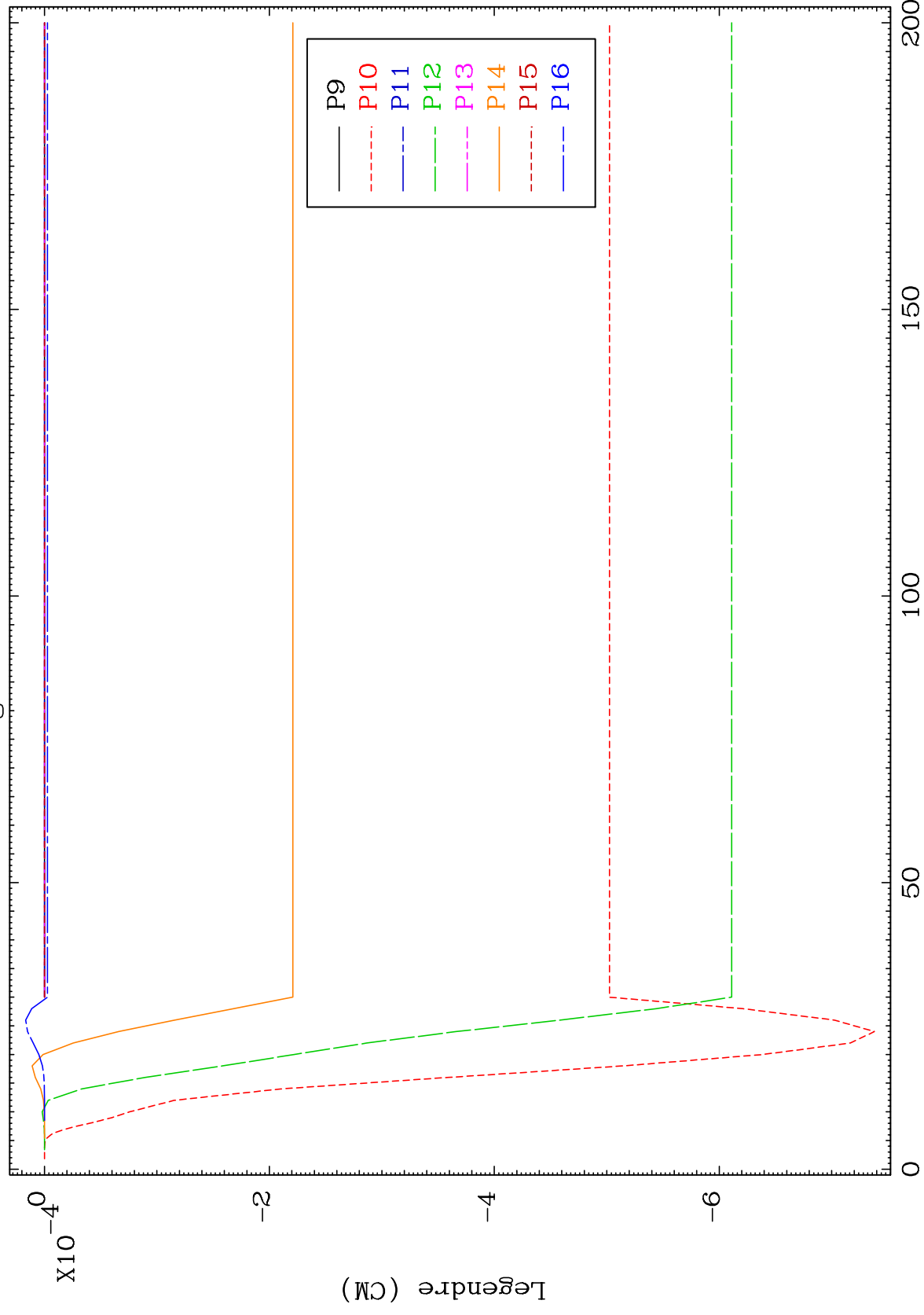
57-La-136



MAT 5719

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

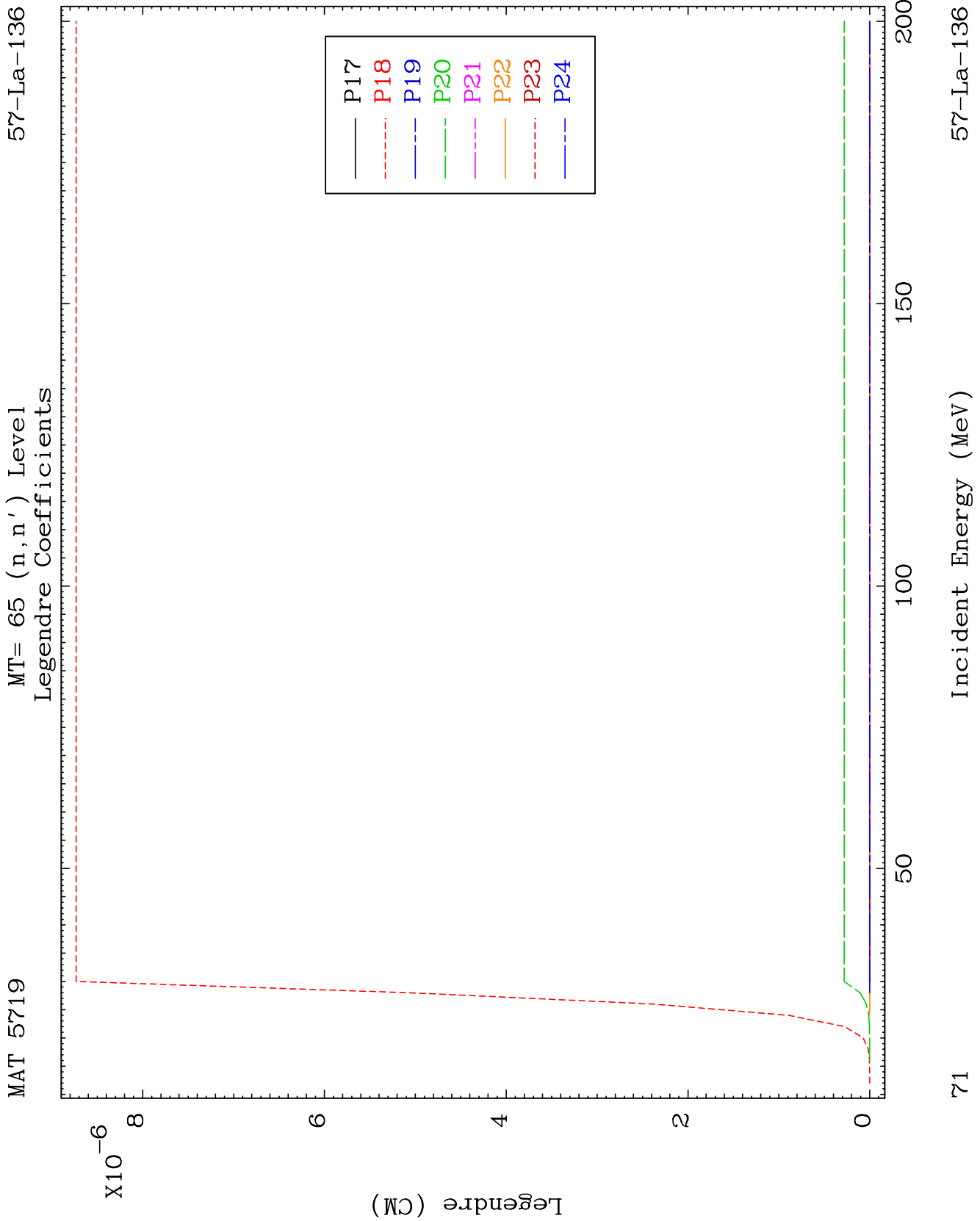
57-La-136



57-La-136

Incident Energy (MeV)

70

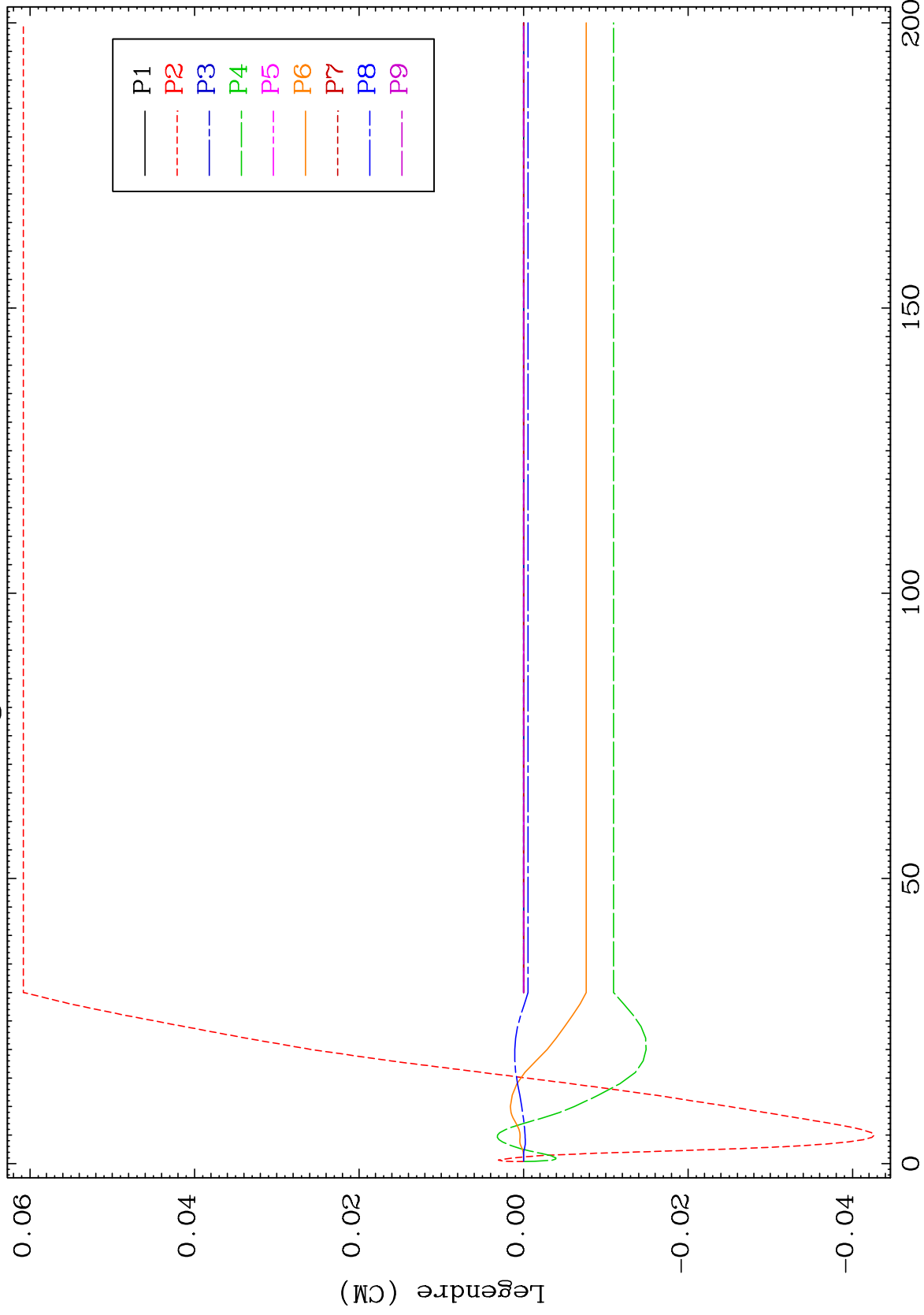




MAT 5719

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

57-La-136



72

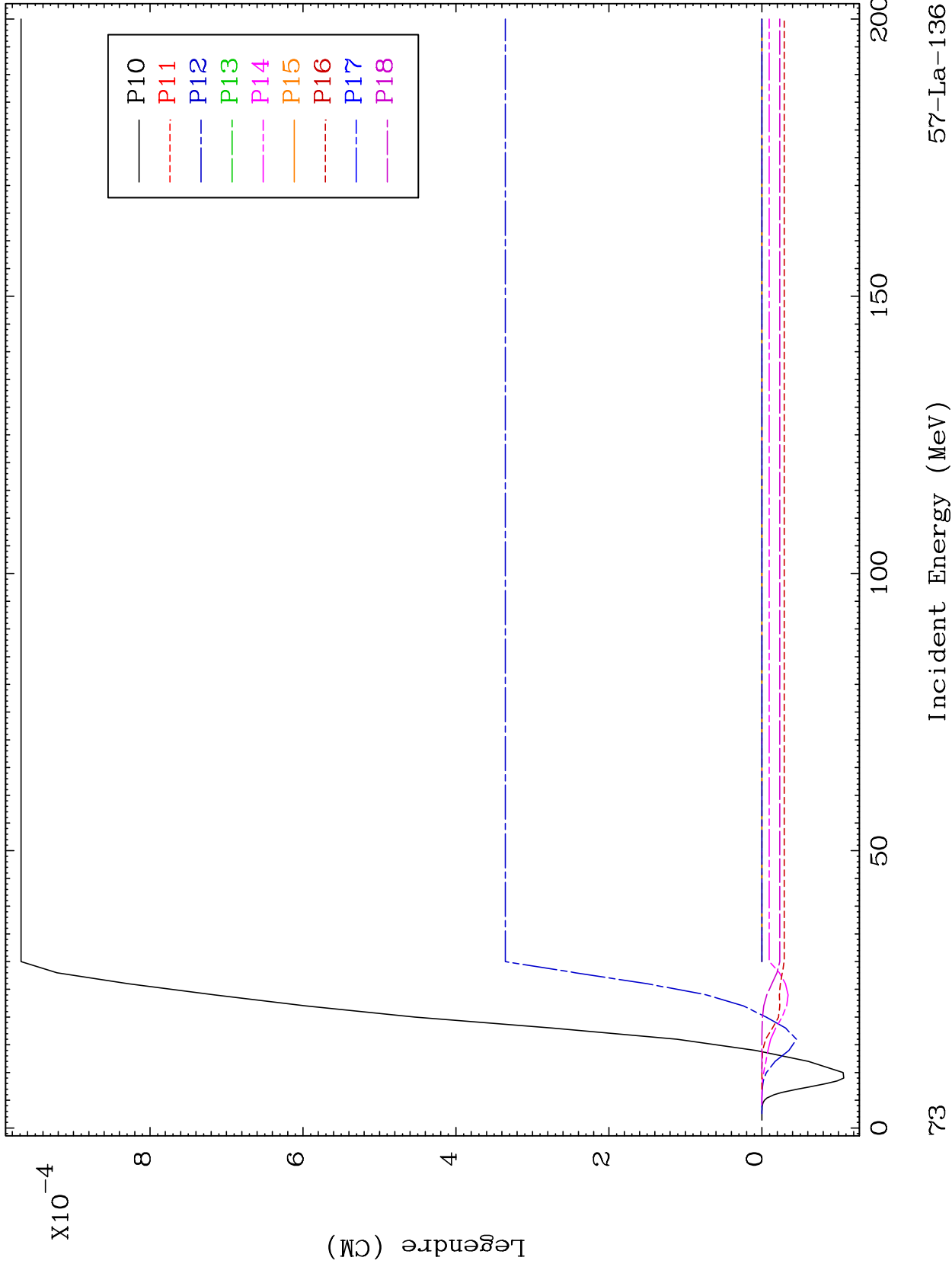
Incident Energy (MeV)

57-La-136

MAT 5719

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

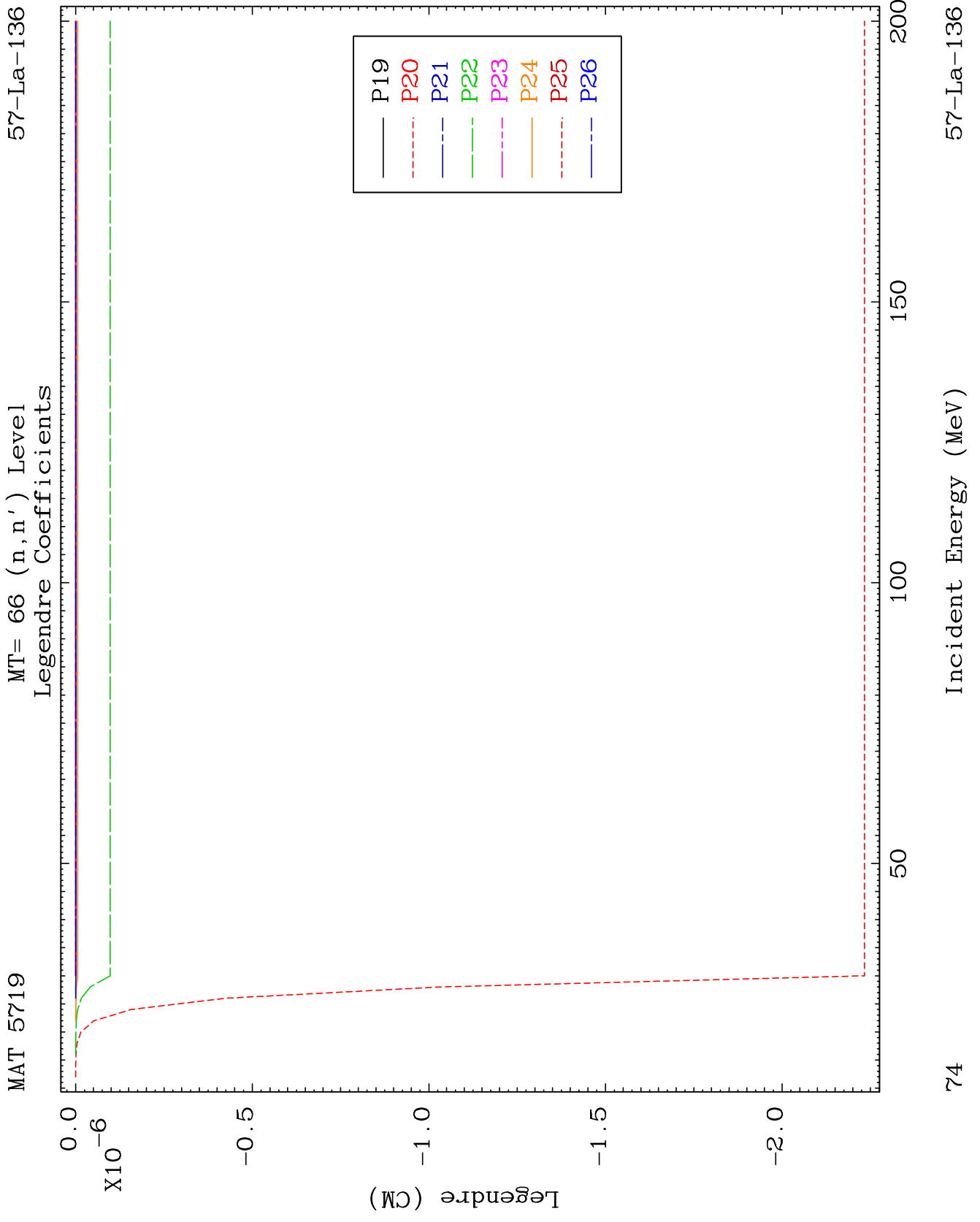
57-La-136



73

Incident Energy (MeV)

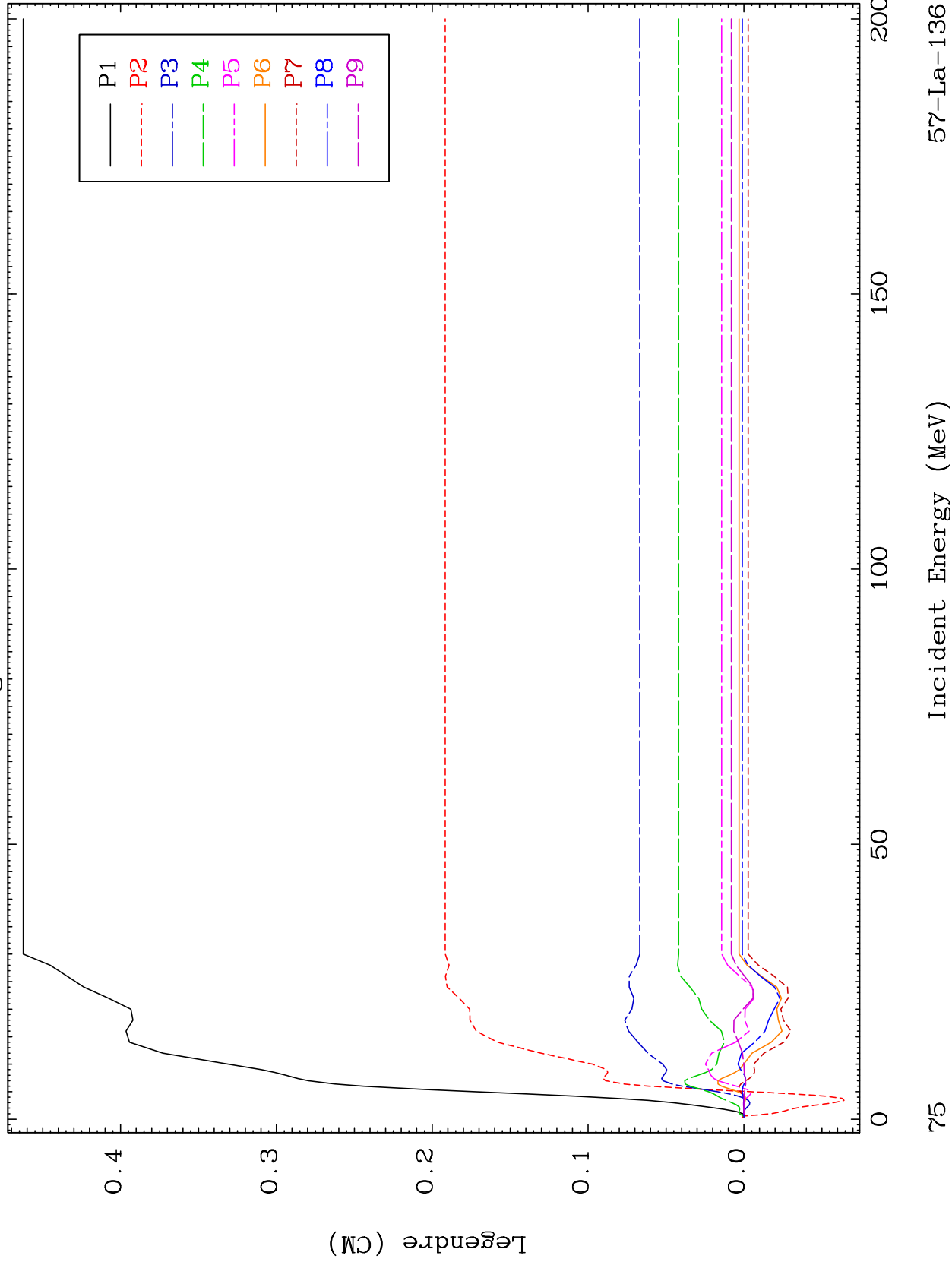
57-La-136



MAT 5719

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

57-La-136



57-La-136

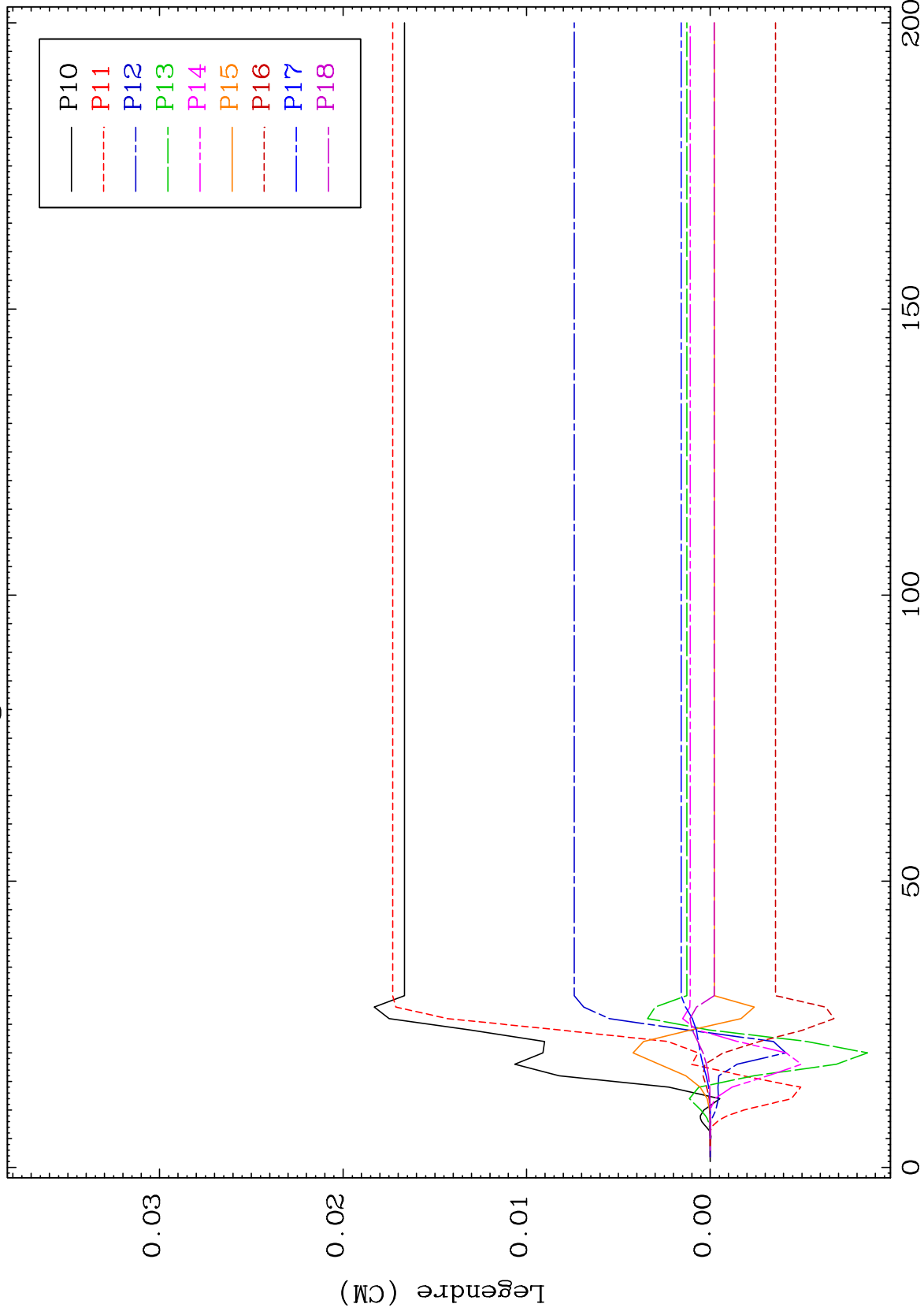
Incident Energy (MeV)

75

MAT 5719

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

57-La-136



76

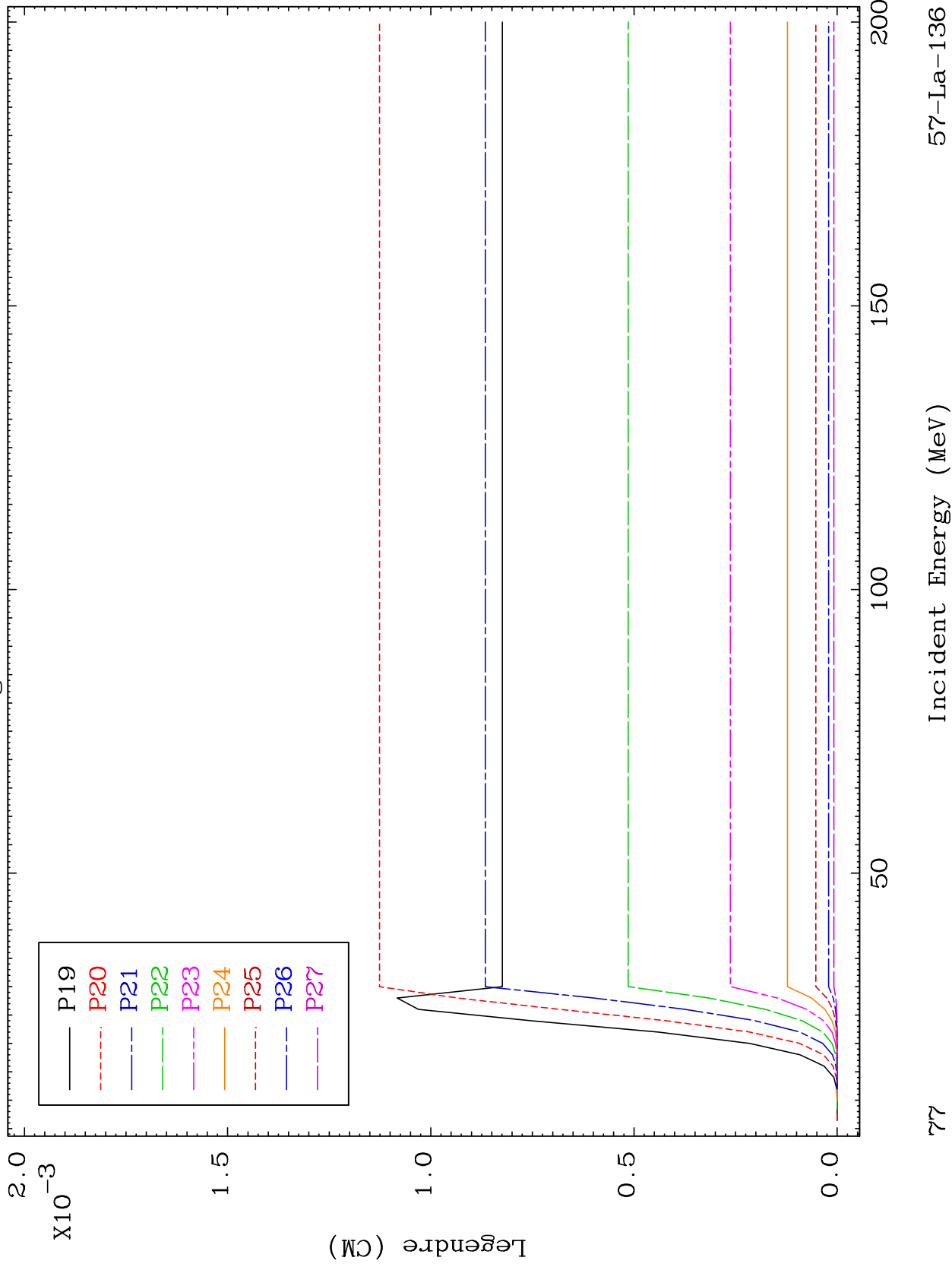
Incident Energy (MeV)

57-La-136

MAT 5719

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

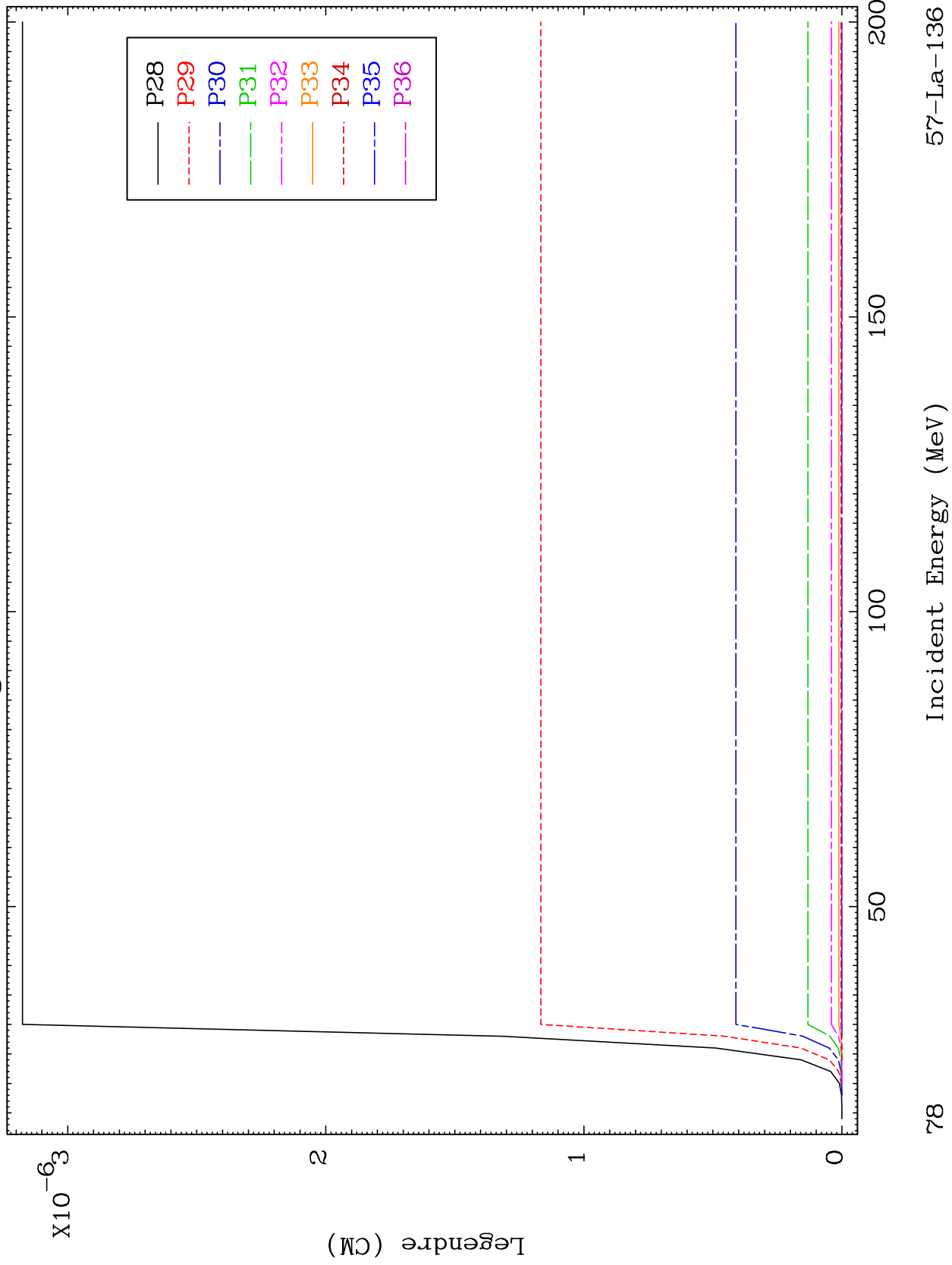
57-La-136



MAT 5719

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

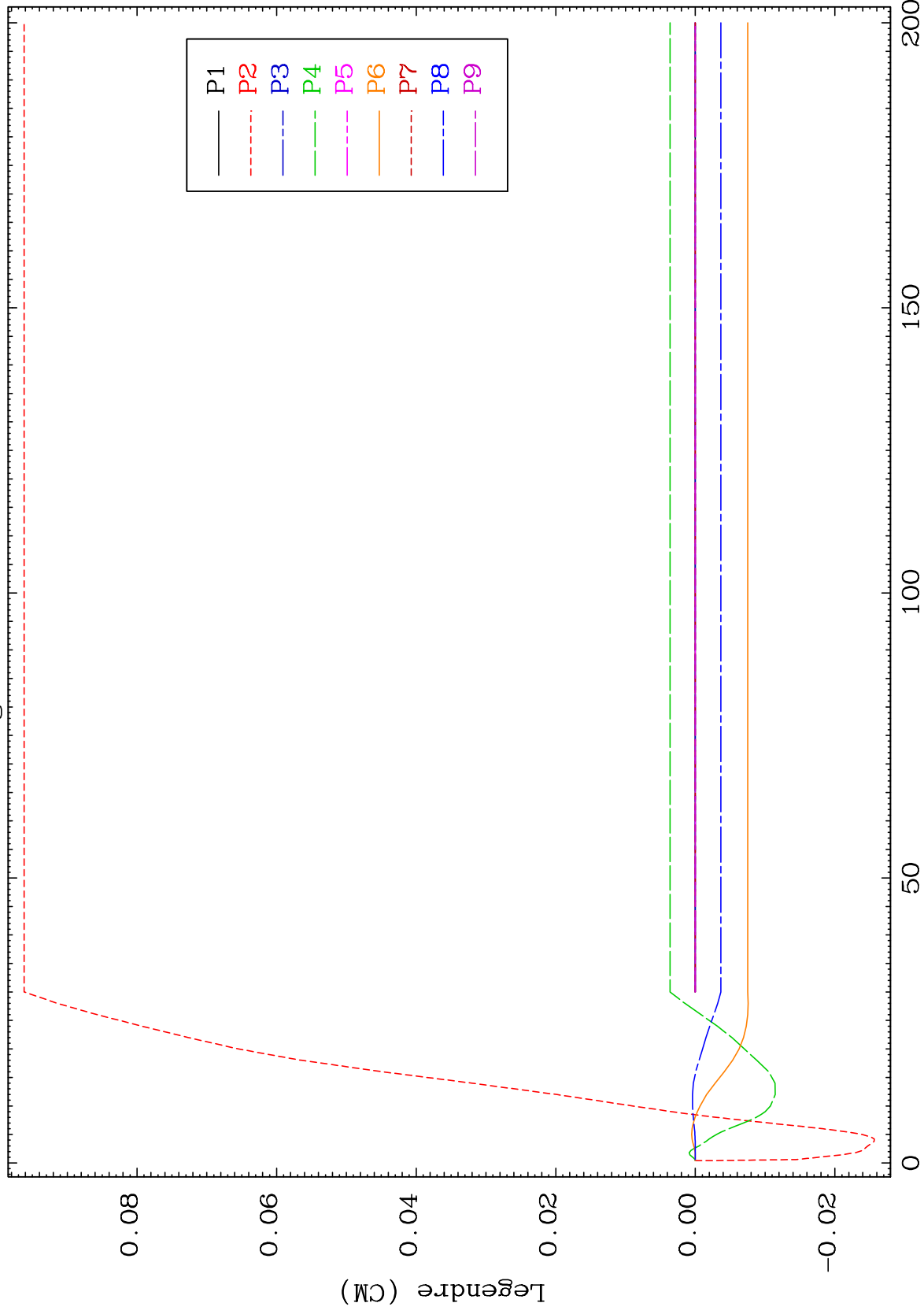
57-La-136



MAT 5719

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

57-La-136



79

Incident Energy (MeV)

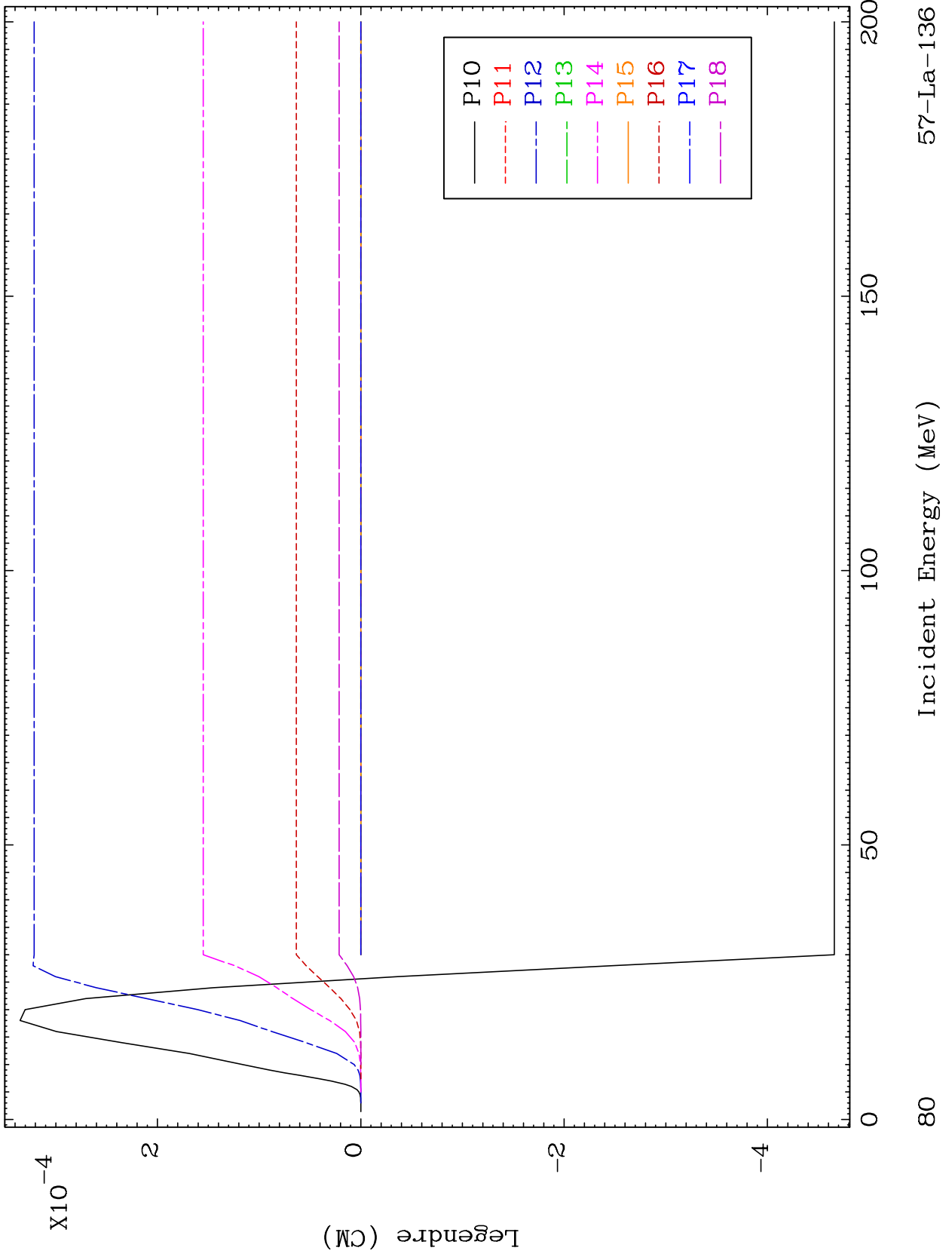
57-La-136



MAT 5719

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

57-La-136

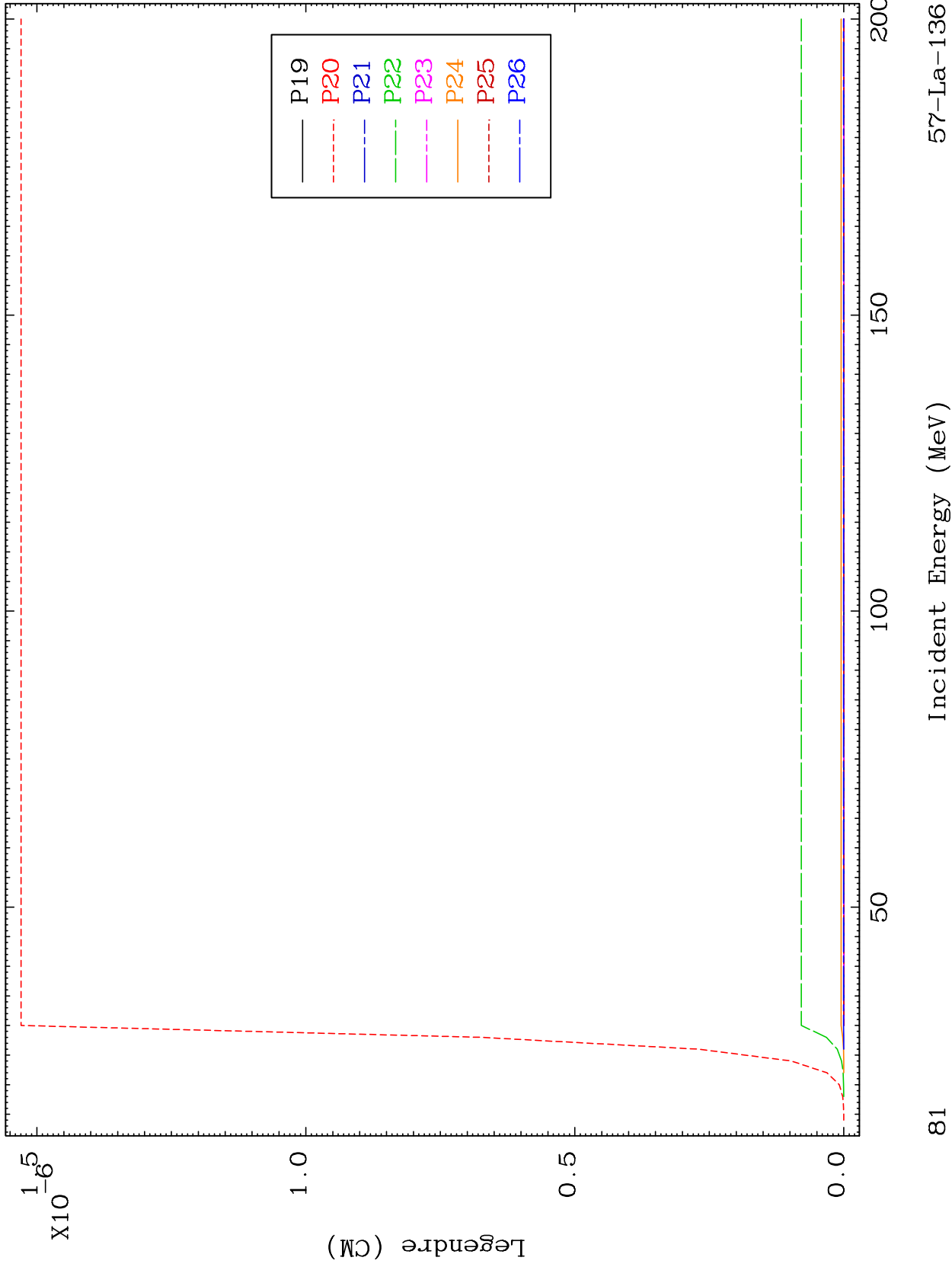


57-La-136

MAT 5719

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

57-La-136



81

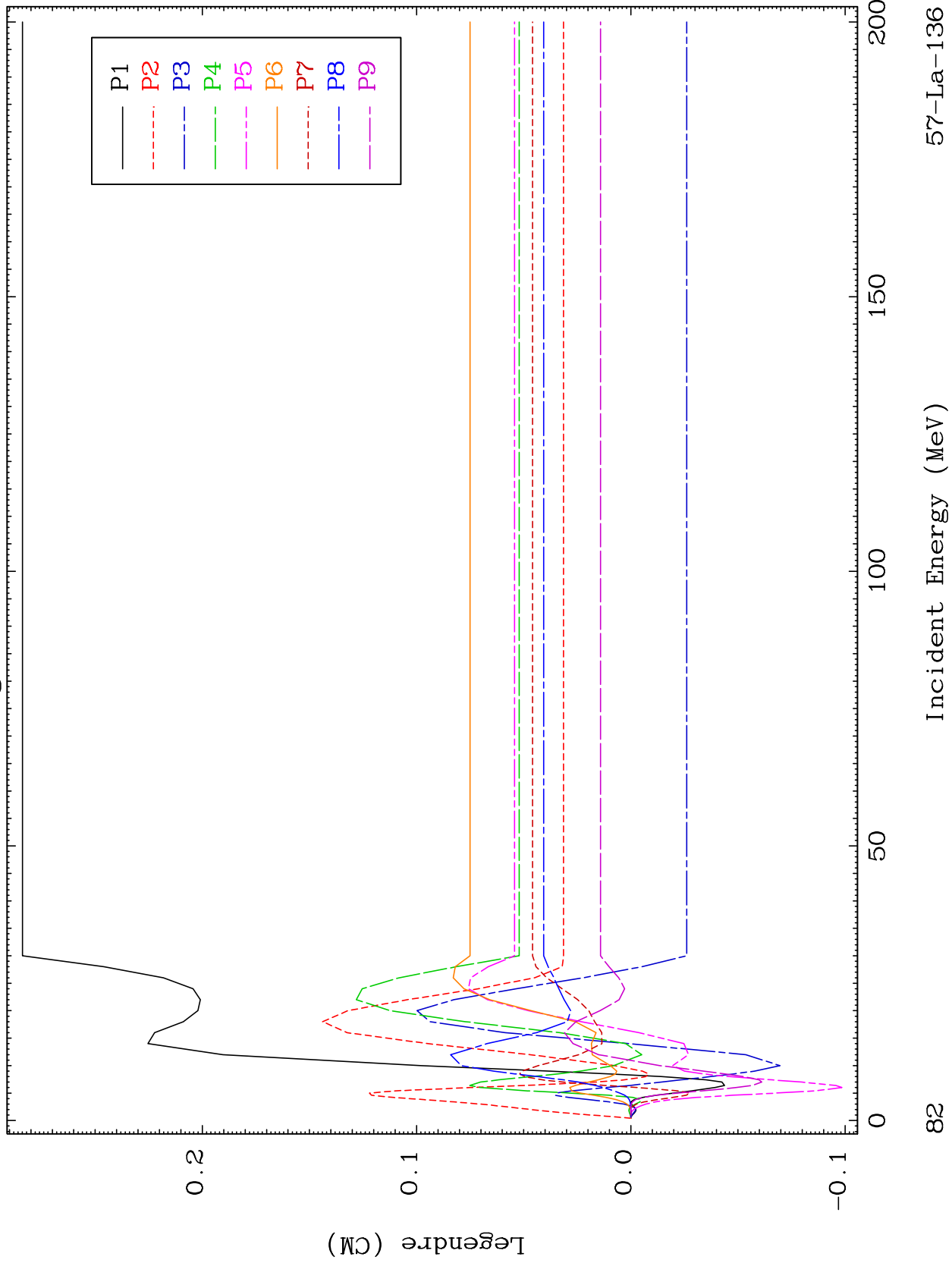
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



57-La-136

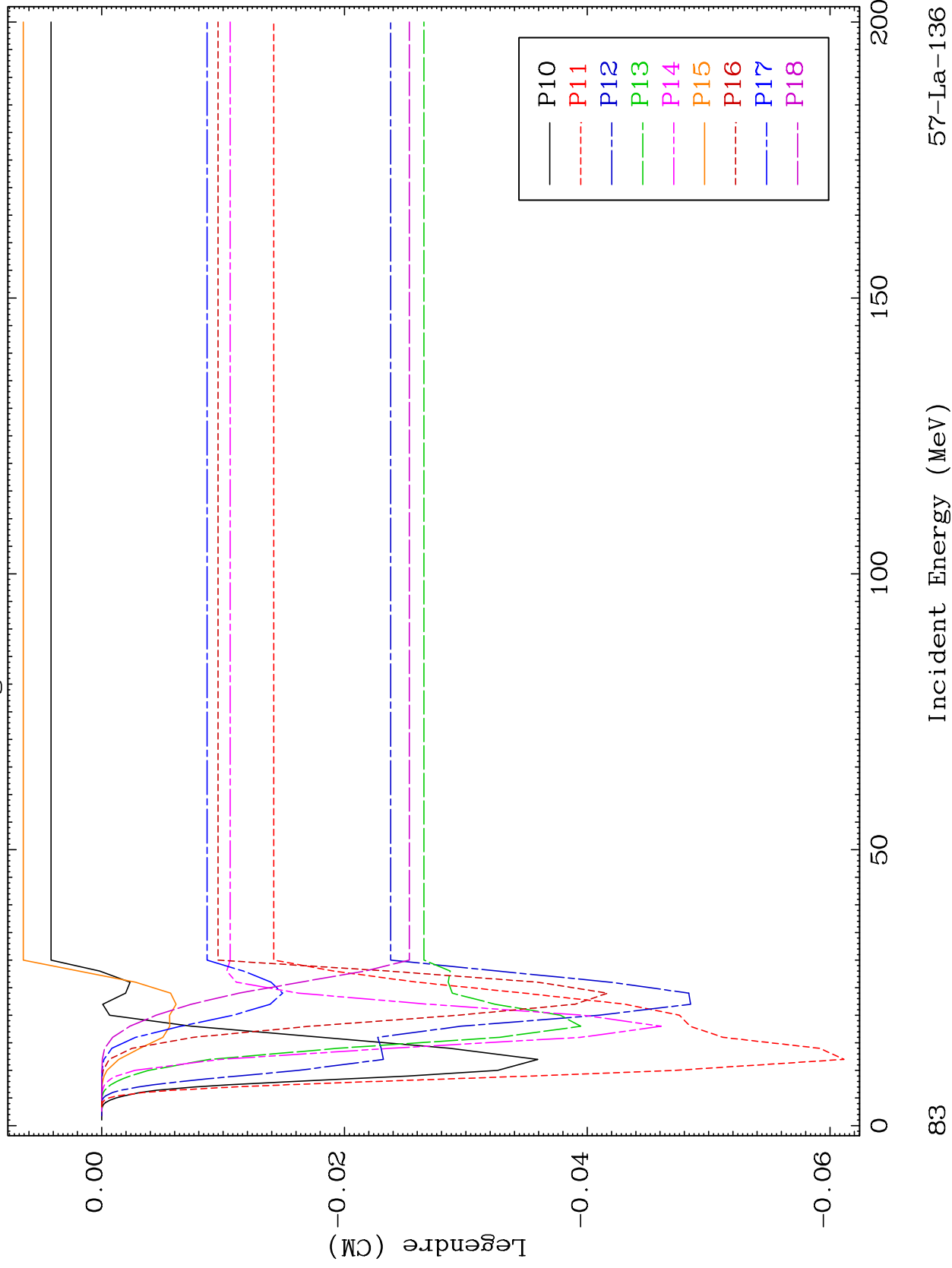
Incident Energy (MeV)

82

MAT 5719

57-La-136

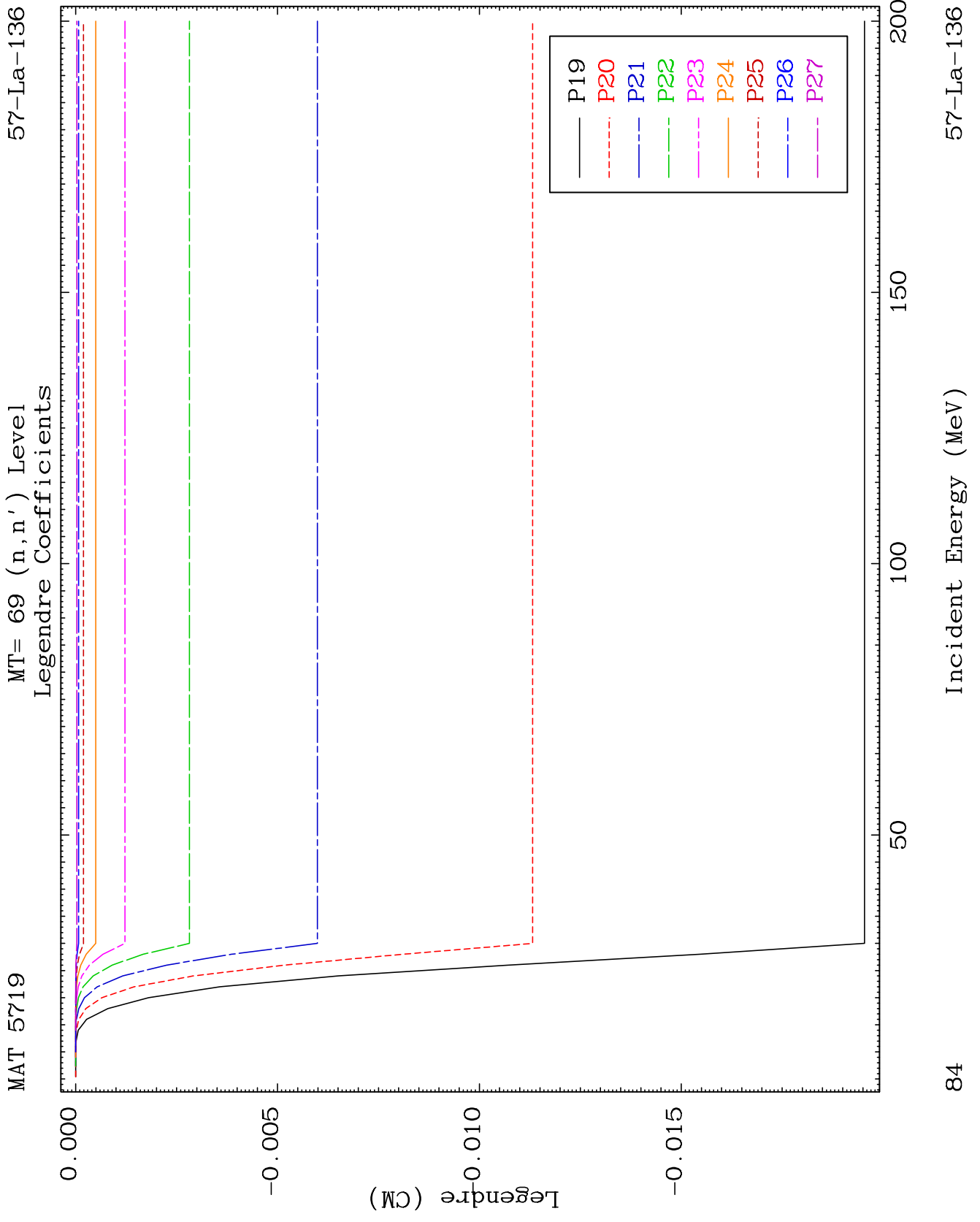
MT= 69 (n,n') Level  
Legendre Coefficients

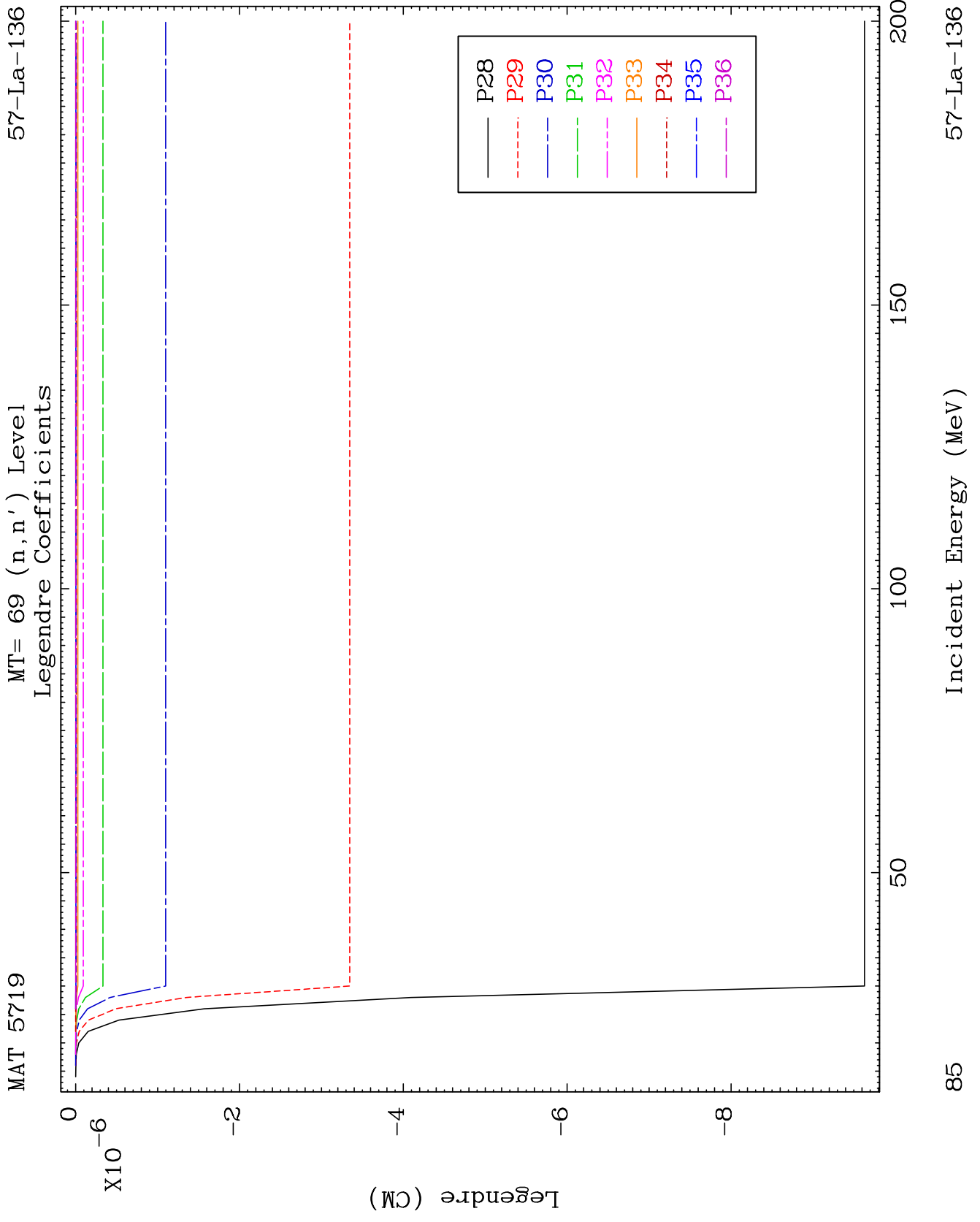


57-La-136

Incident Energy (MeV)

83

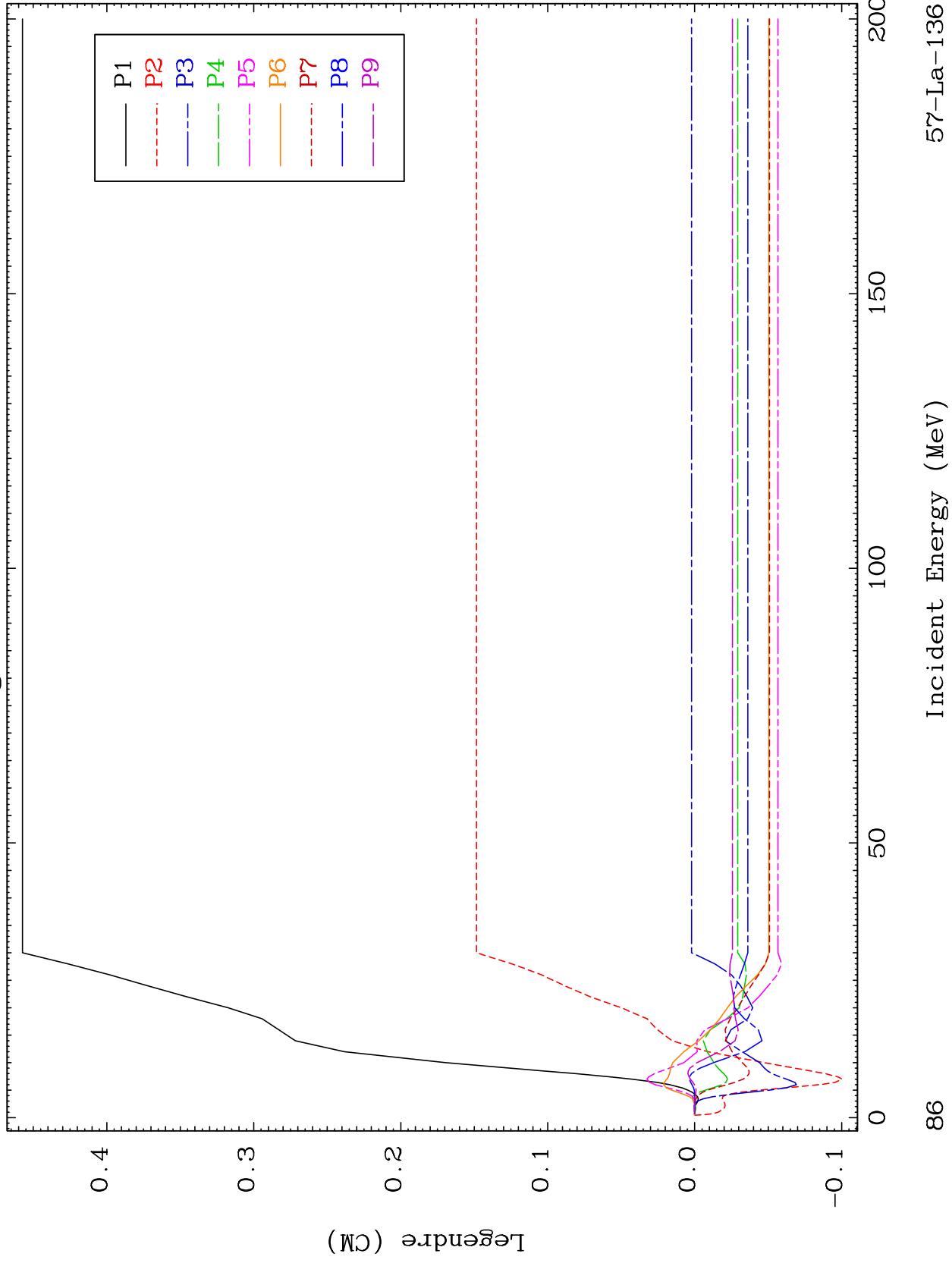




MAT 5719

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

57-La-136



57-La-136

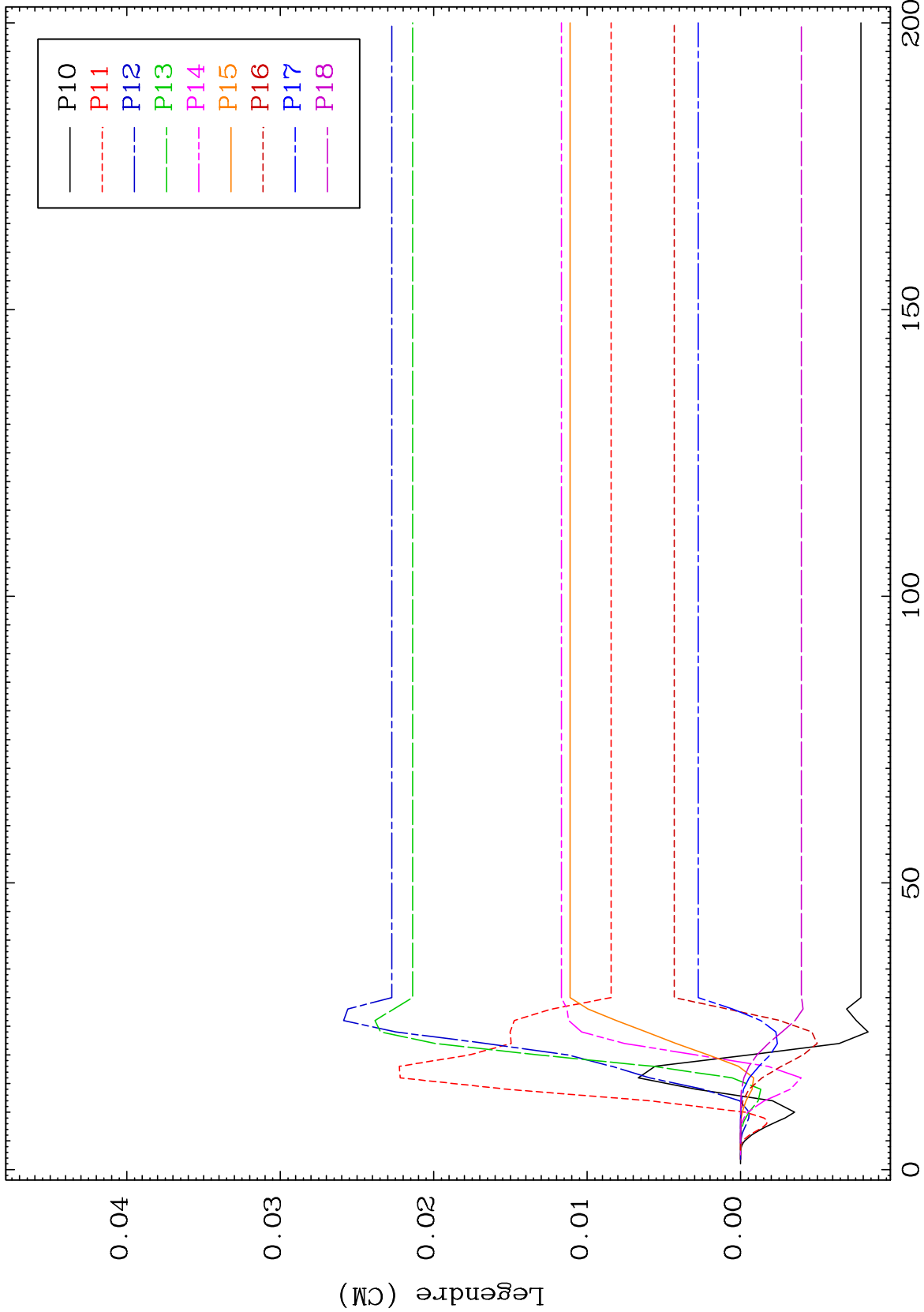
Incident Energy (MeV)

86

MAT 5719

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

57-La-136



87

Incident Energy (MeV)

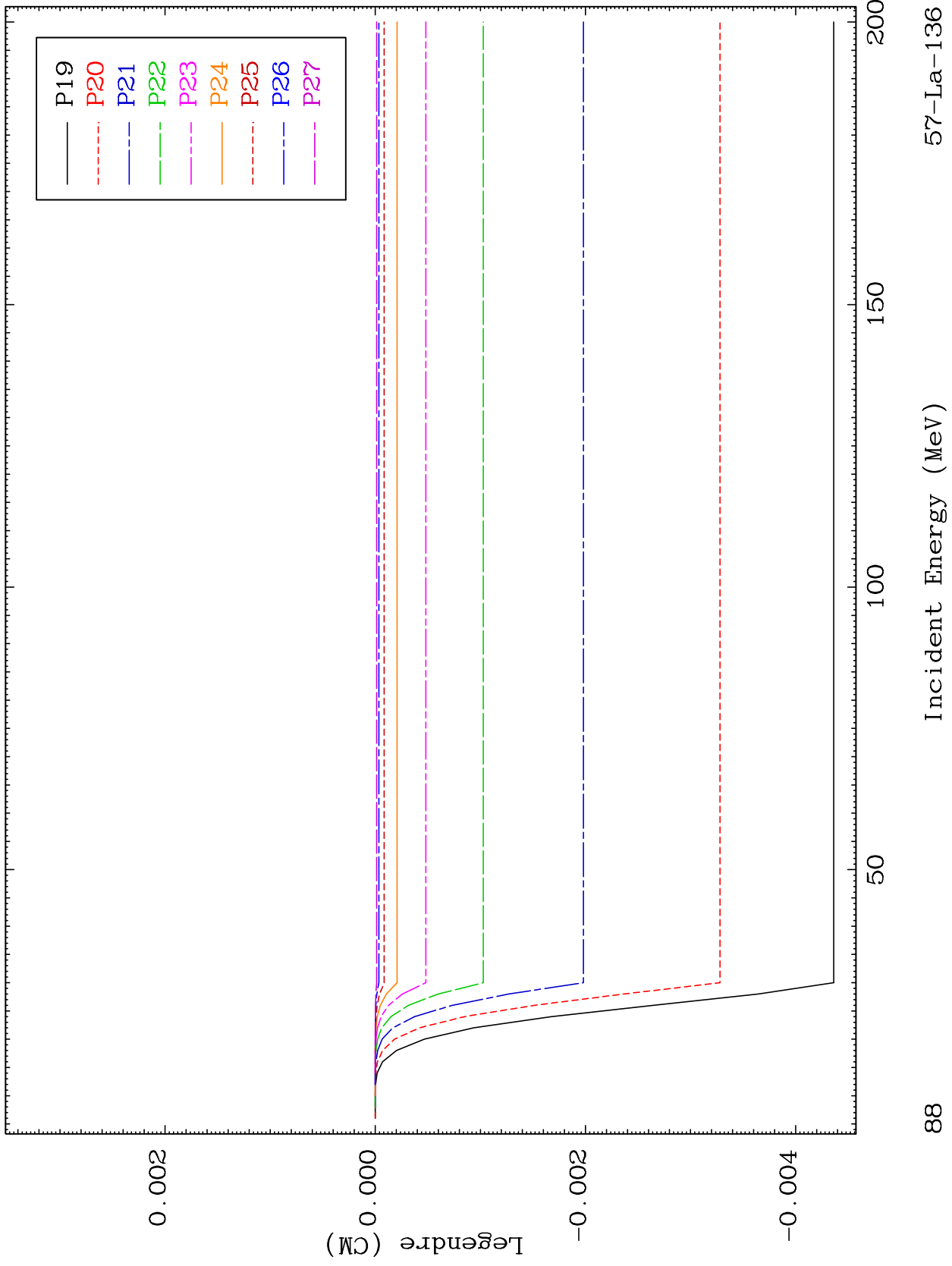
57-La-136



MAT 5719

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

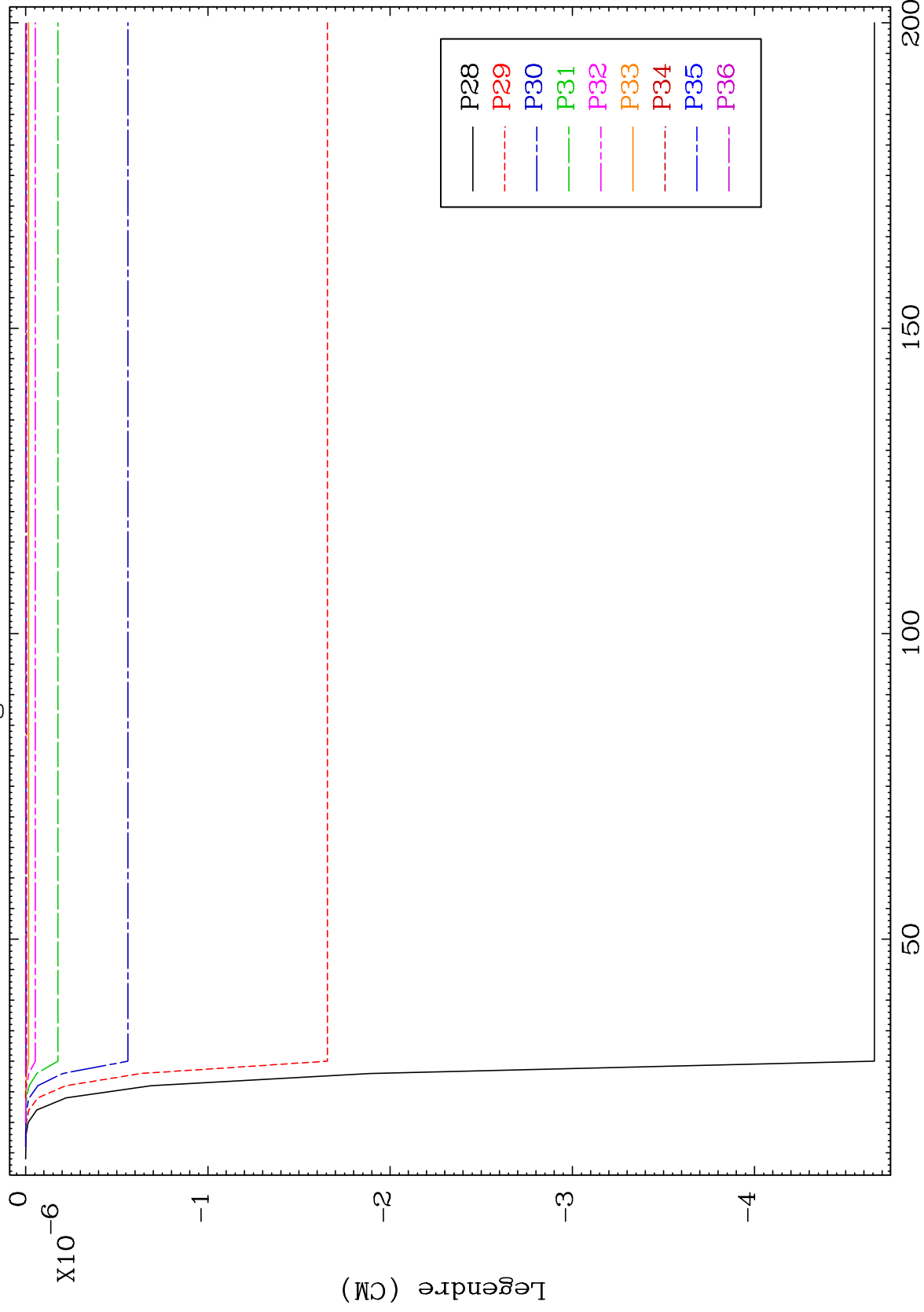
57-La-136



88

Incident Energy (MeV)

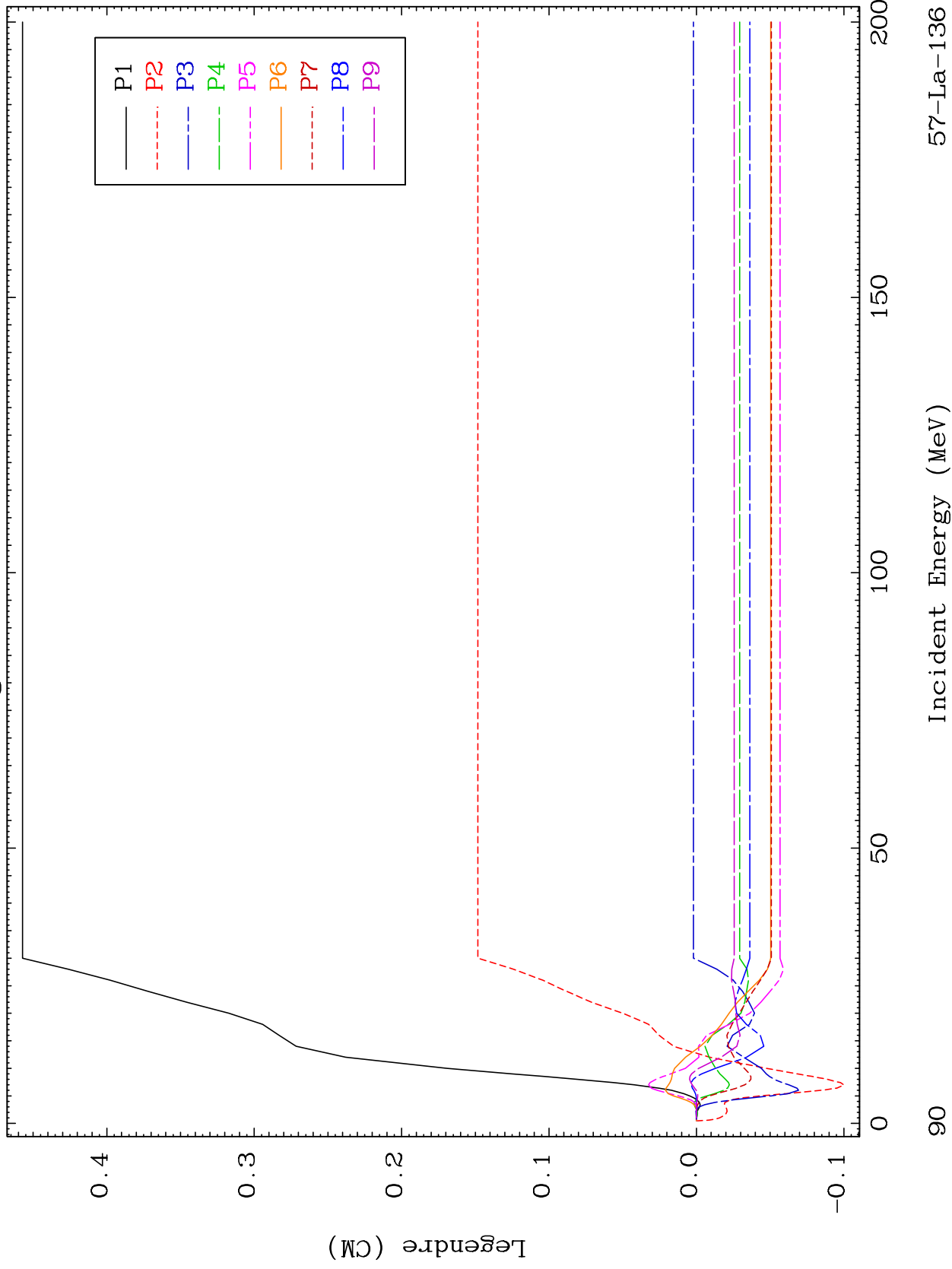
57-La-136



MAT 5719

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

57-La-136



57-La-136

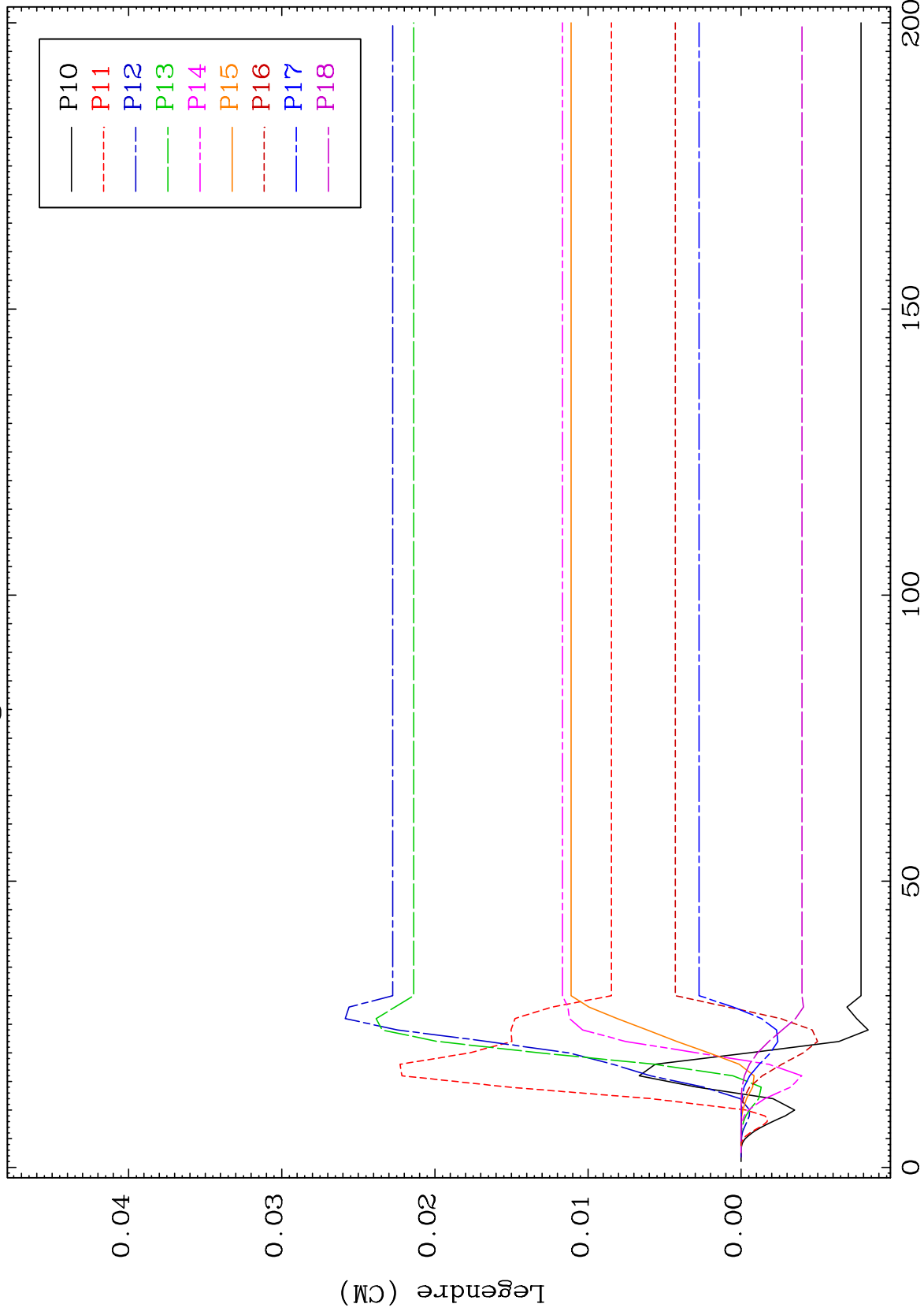
Incident Energy (MeV)

90

MAT 5719

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

57-La-136



91

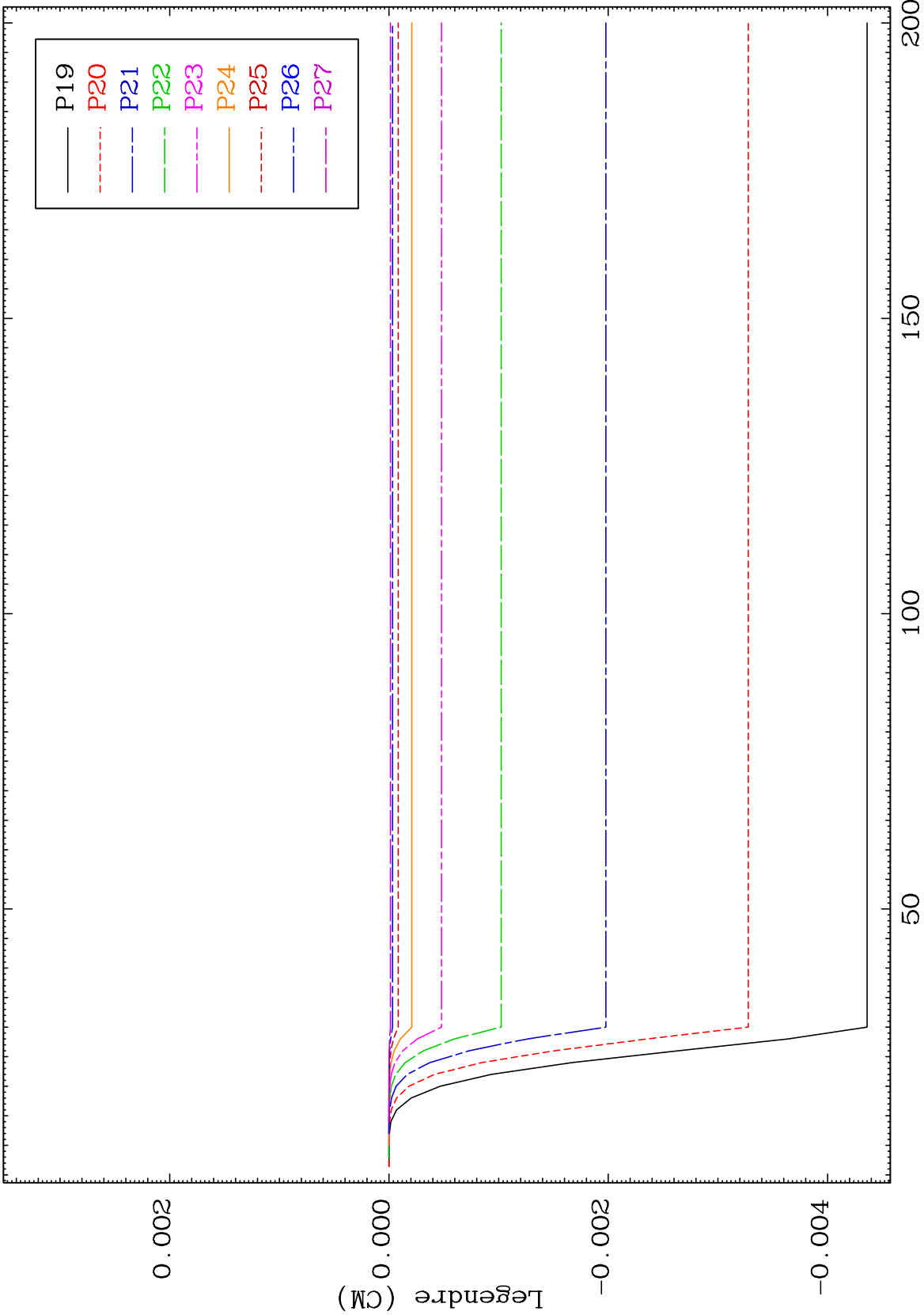
Incident Energy (MeV)

57-La-136

MAT 5719

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

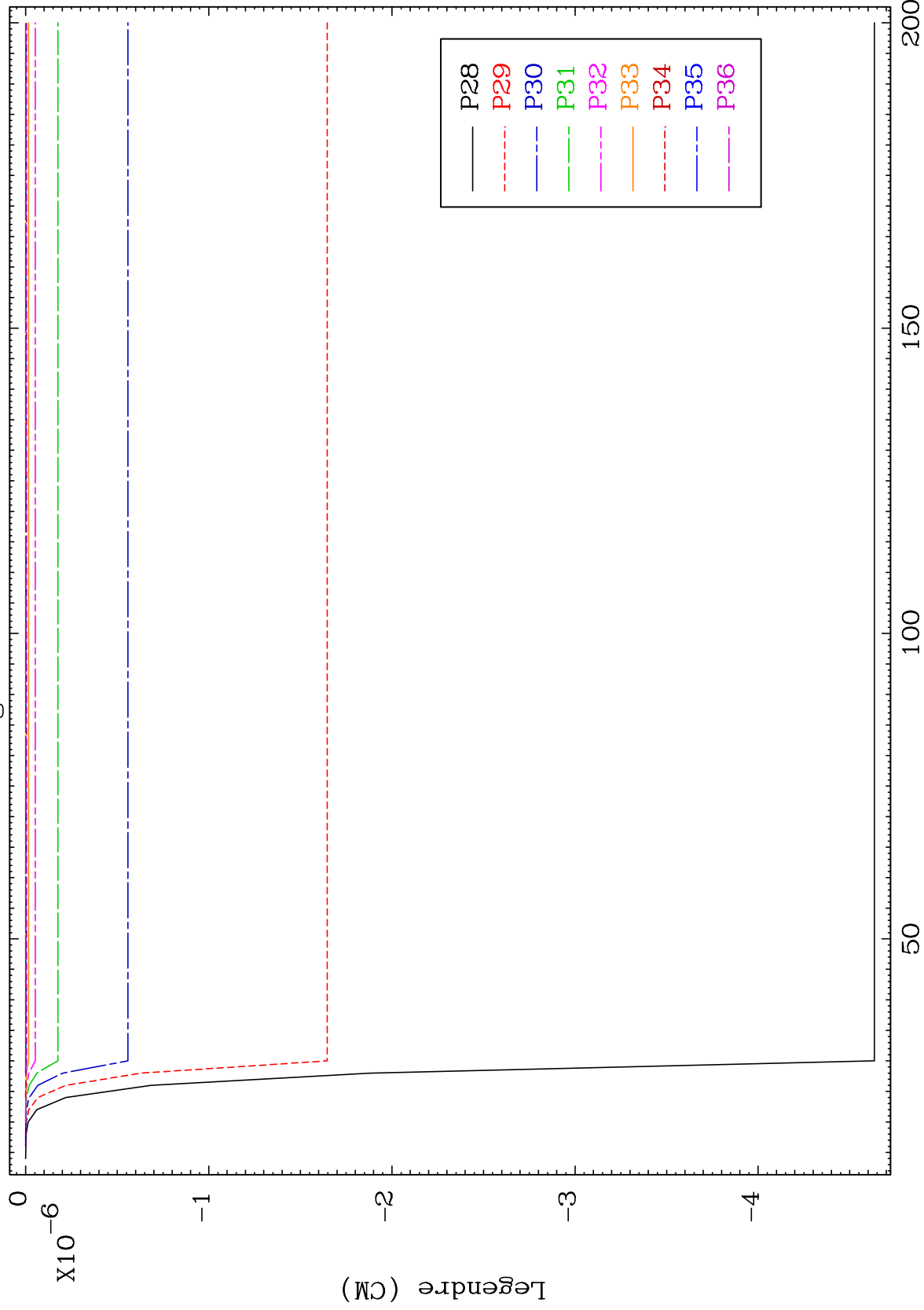
57-La-136



MAT 5719

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

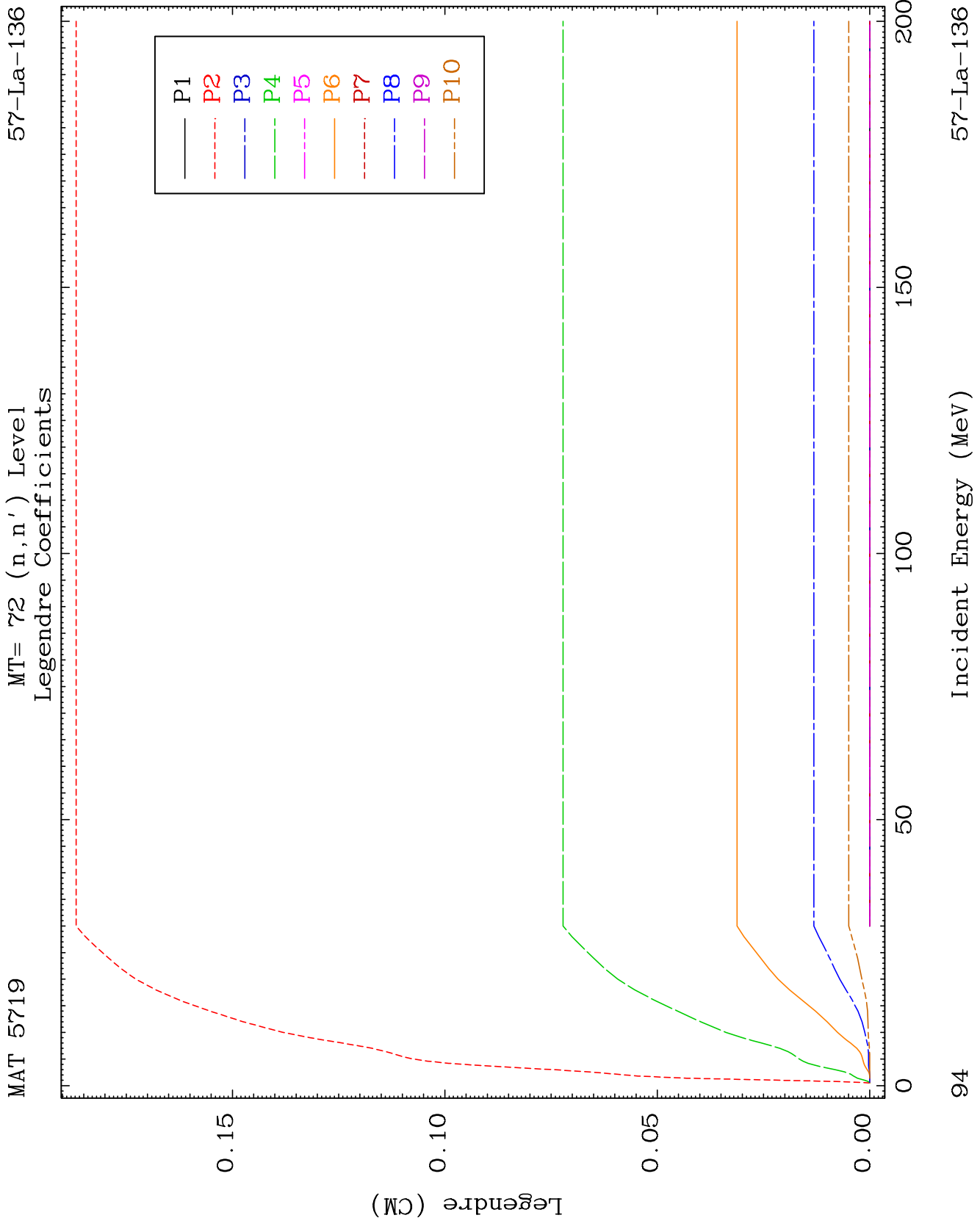
57-La-136



93

Incident Energy (MeV)

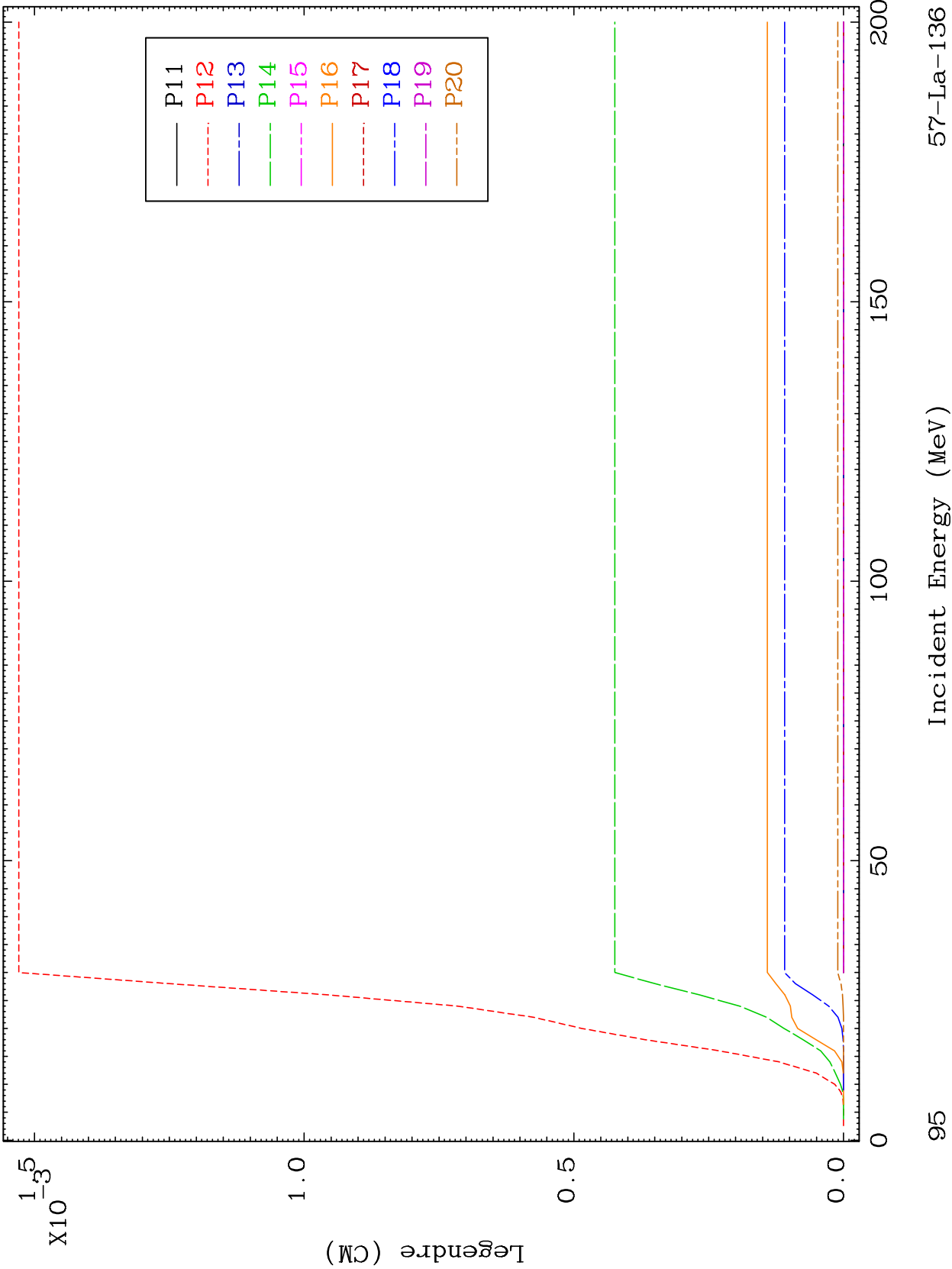
57-La-136



MAT 5719

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

57-La-136

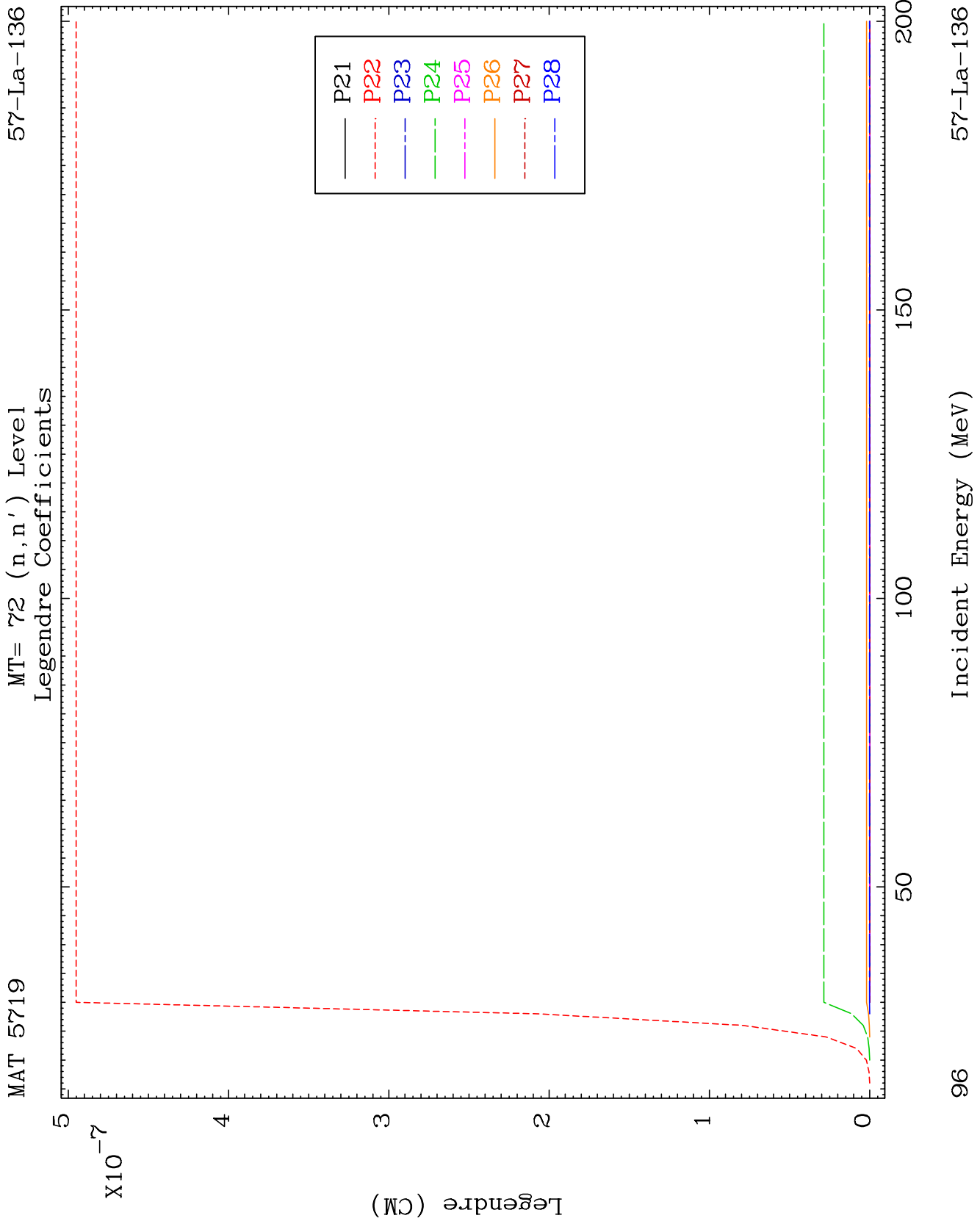


57-La-136

Incident Energy (MeV)

95

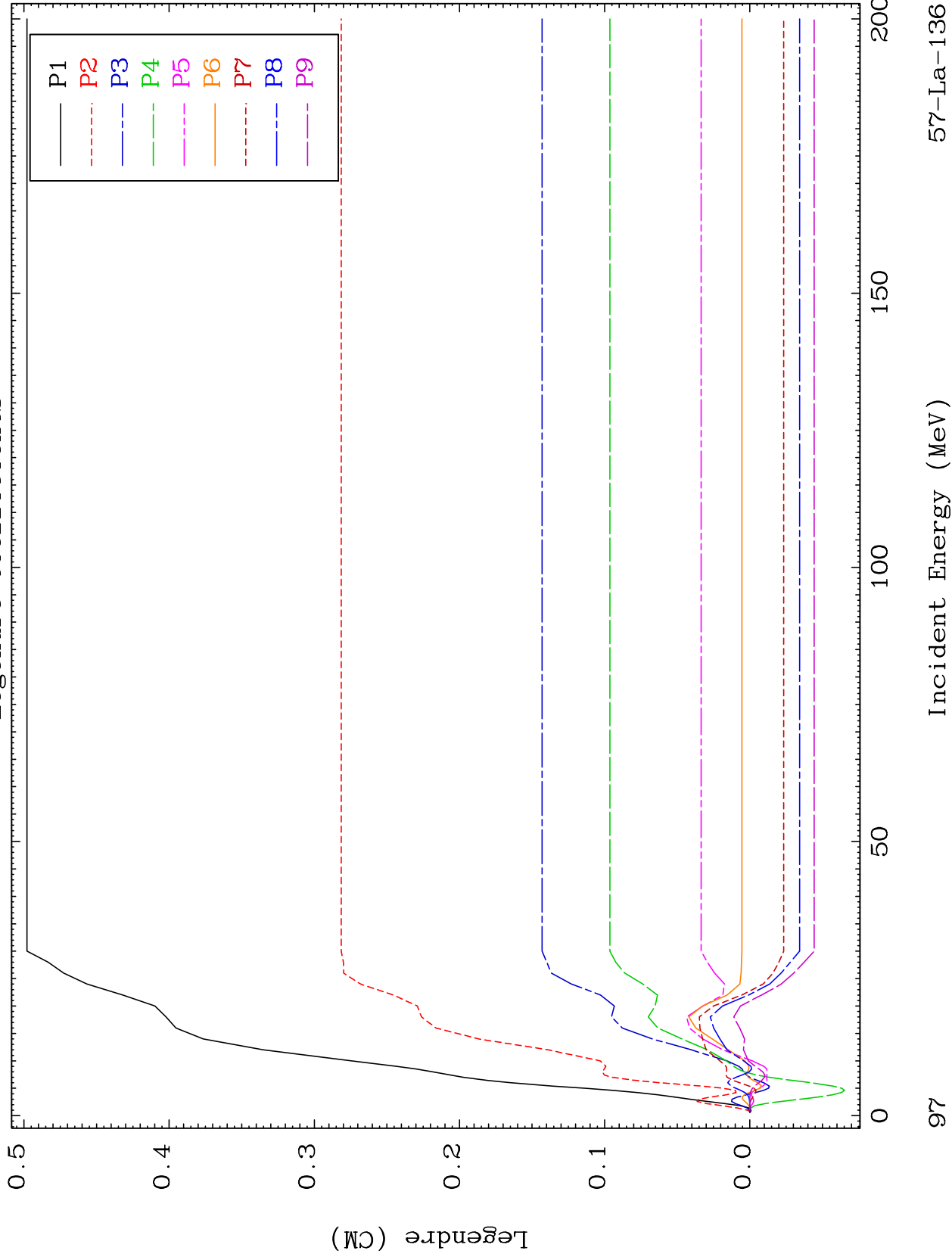




MAT 5719

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

57-La-136



57-La-136

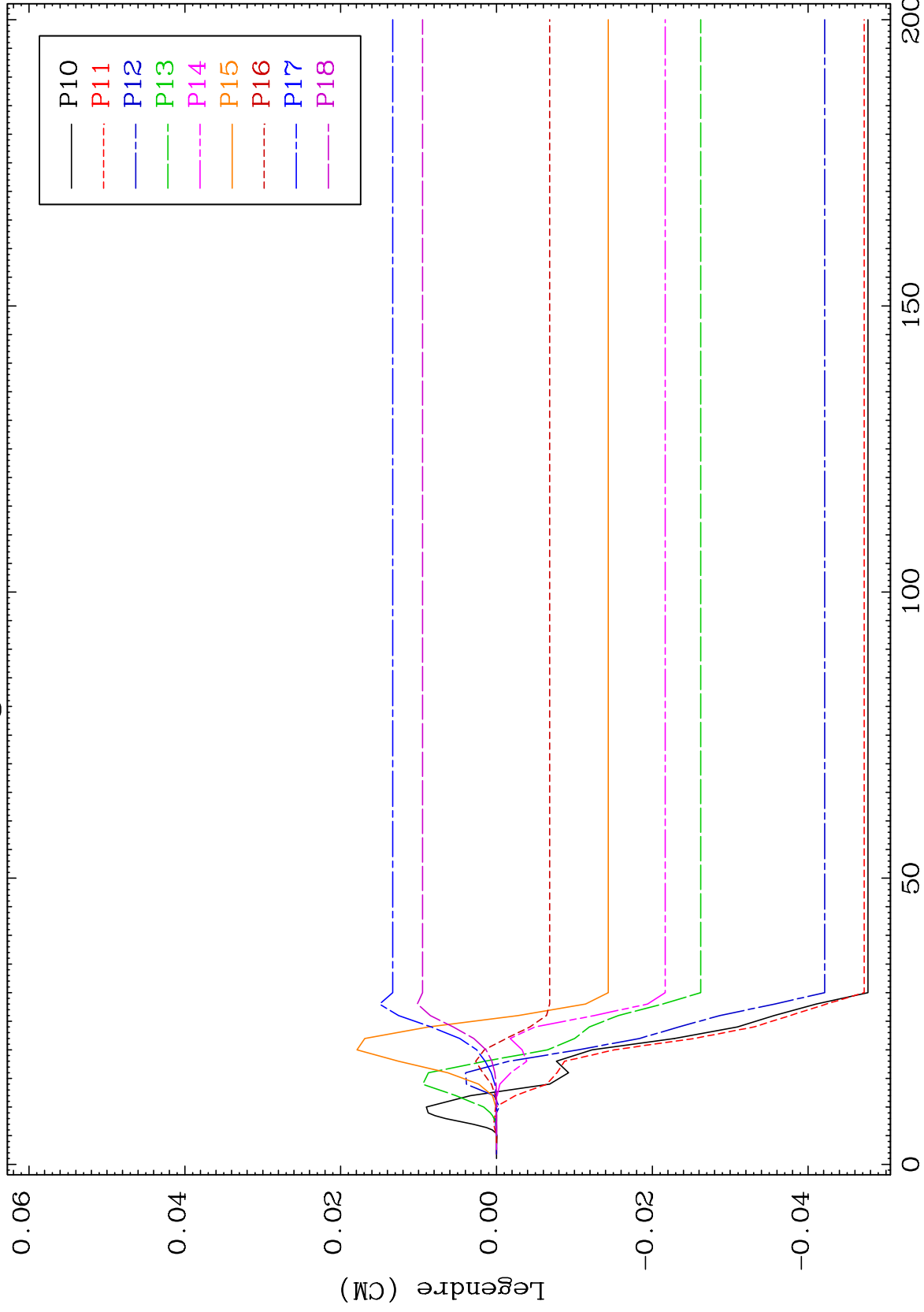
Incident Energy (MeV)

97

MAT 5719

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

57-La-136



98

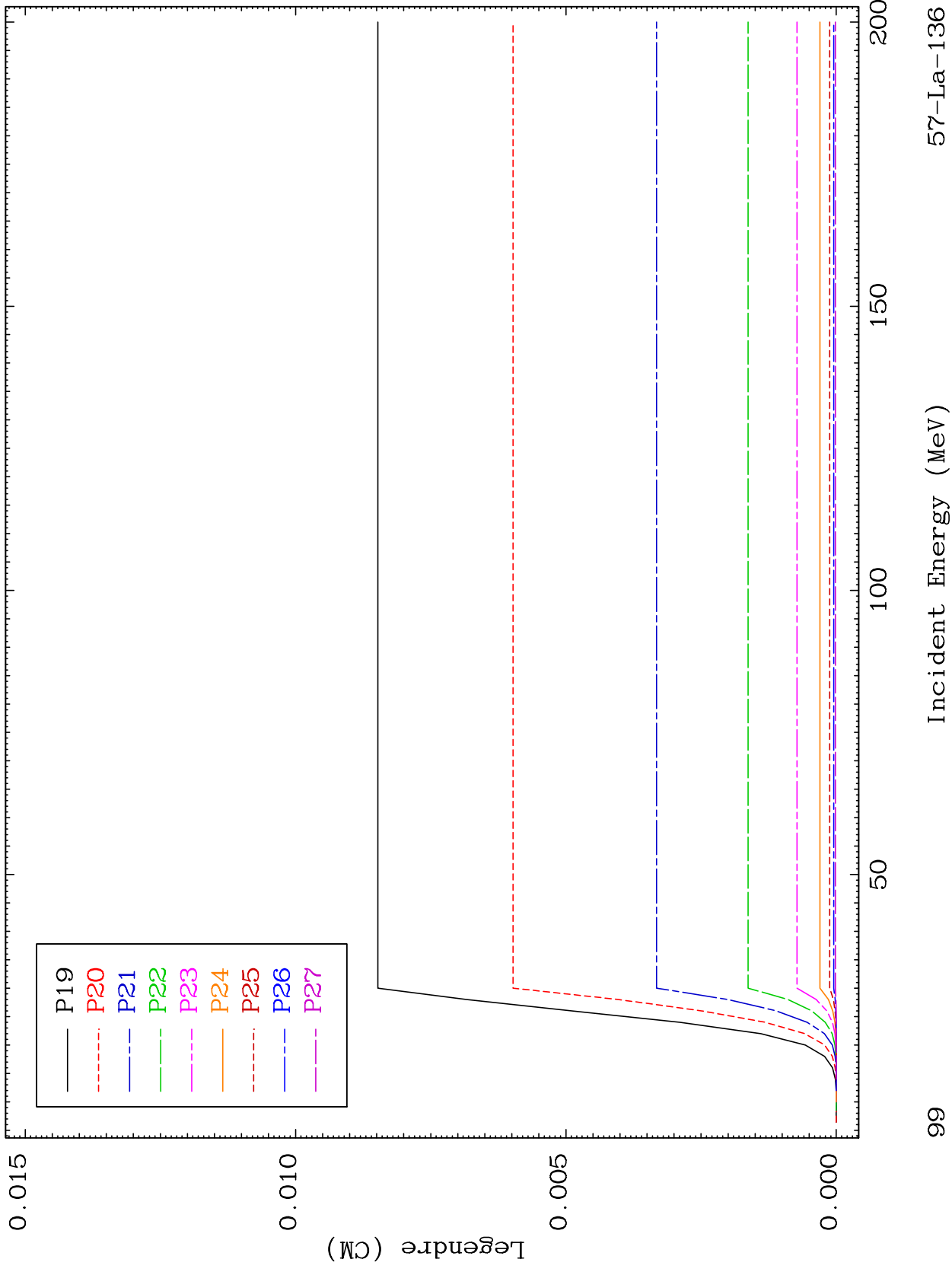
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



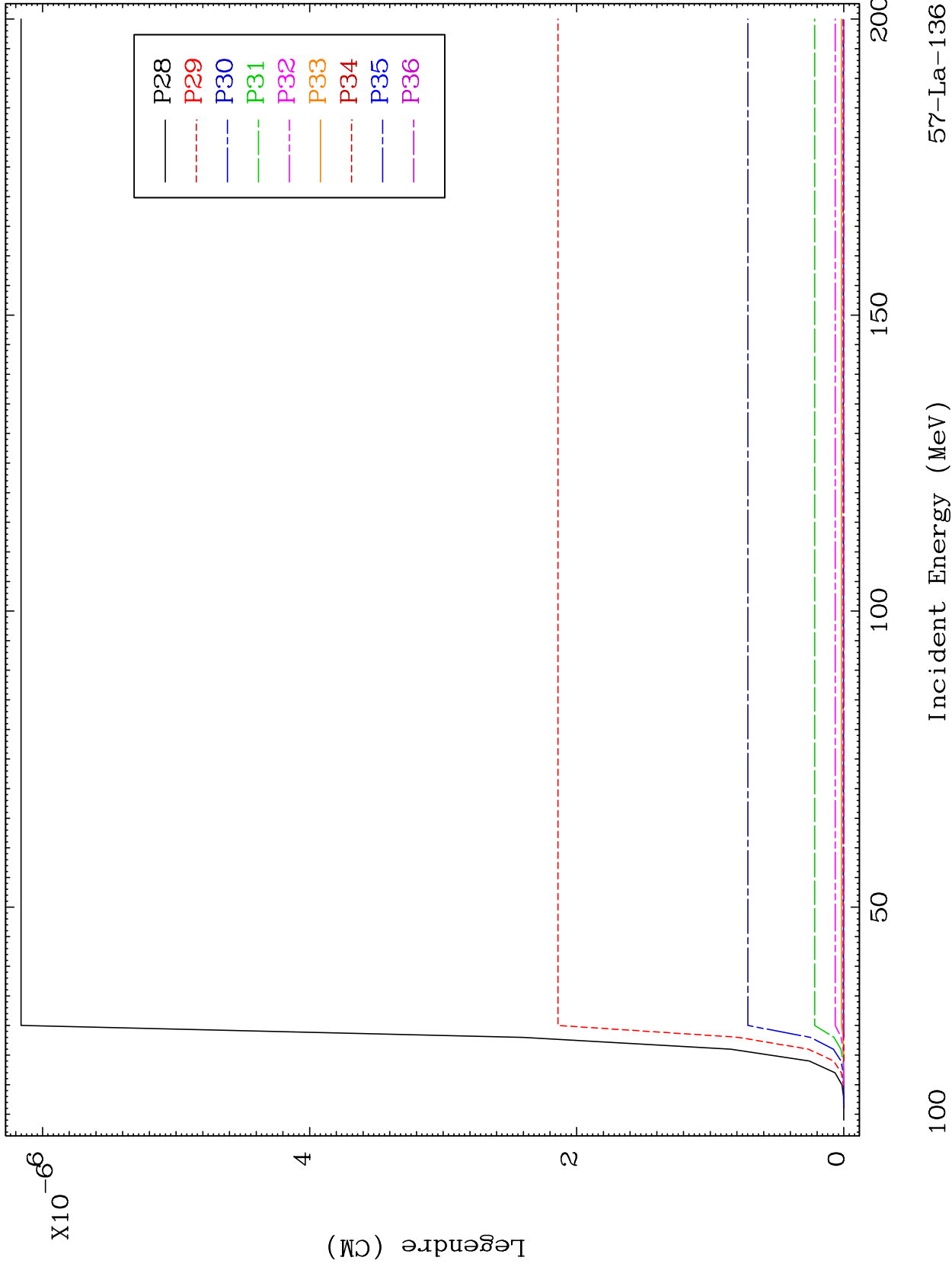
99

57-La-136

MAT 5719

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

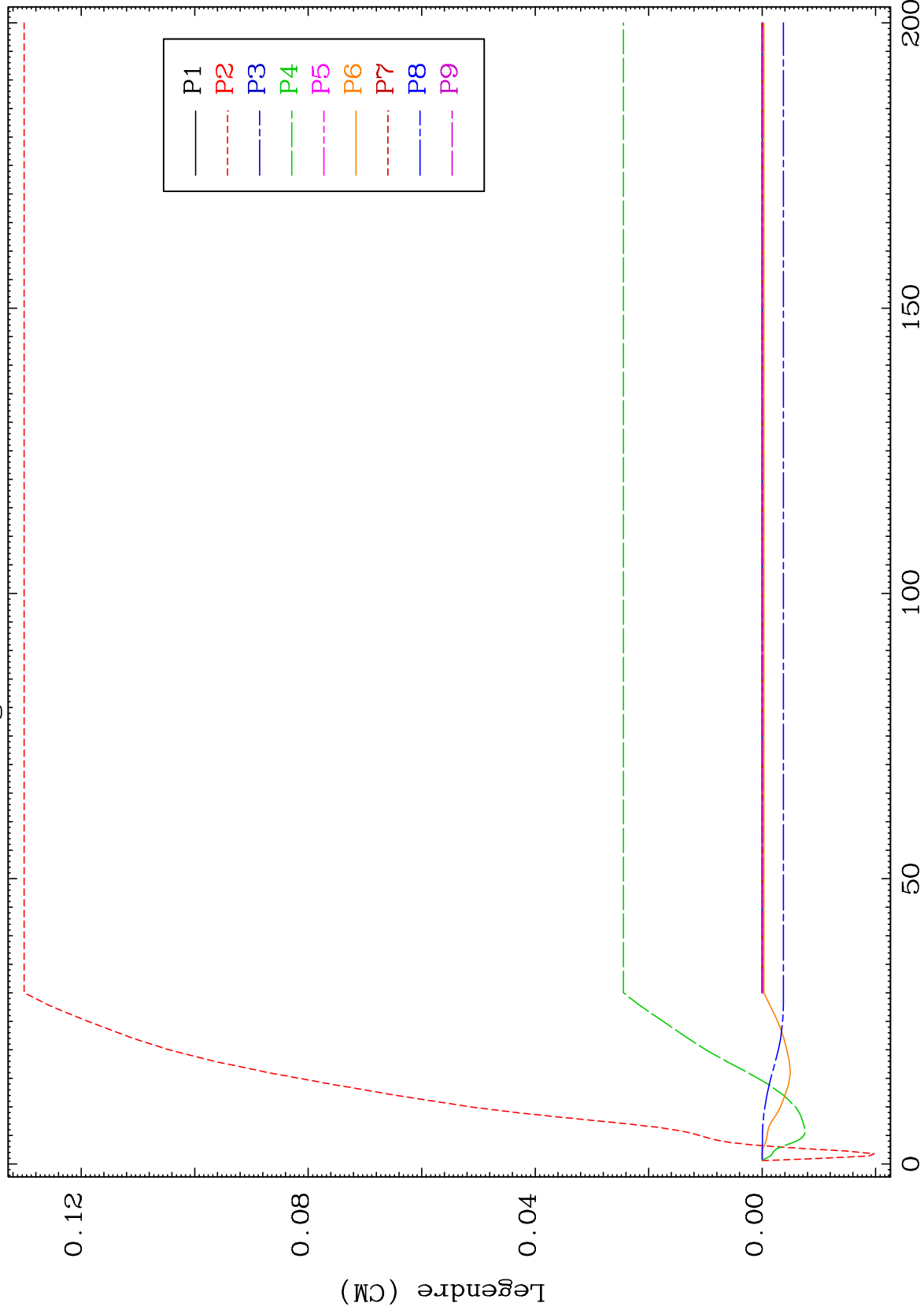
57-La-136



MAT 5719

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

57-La-136



101

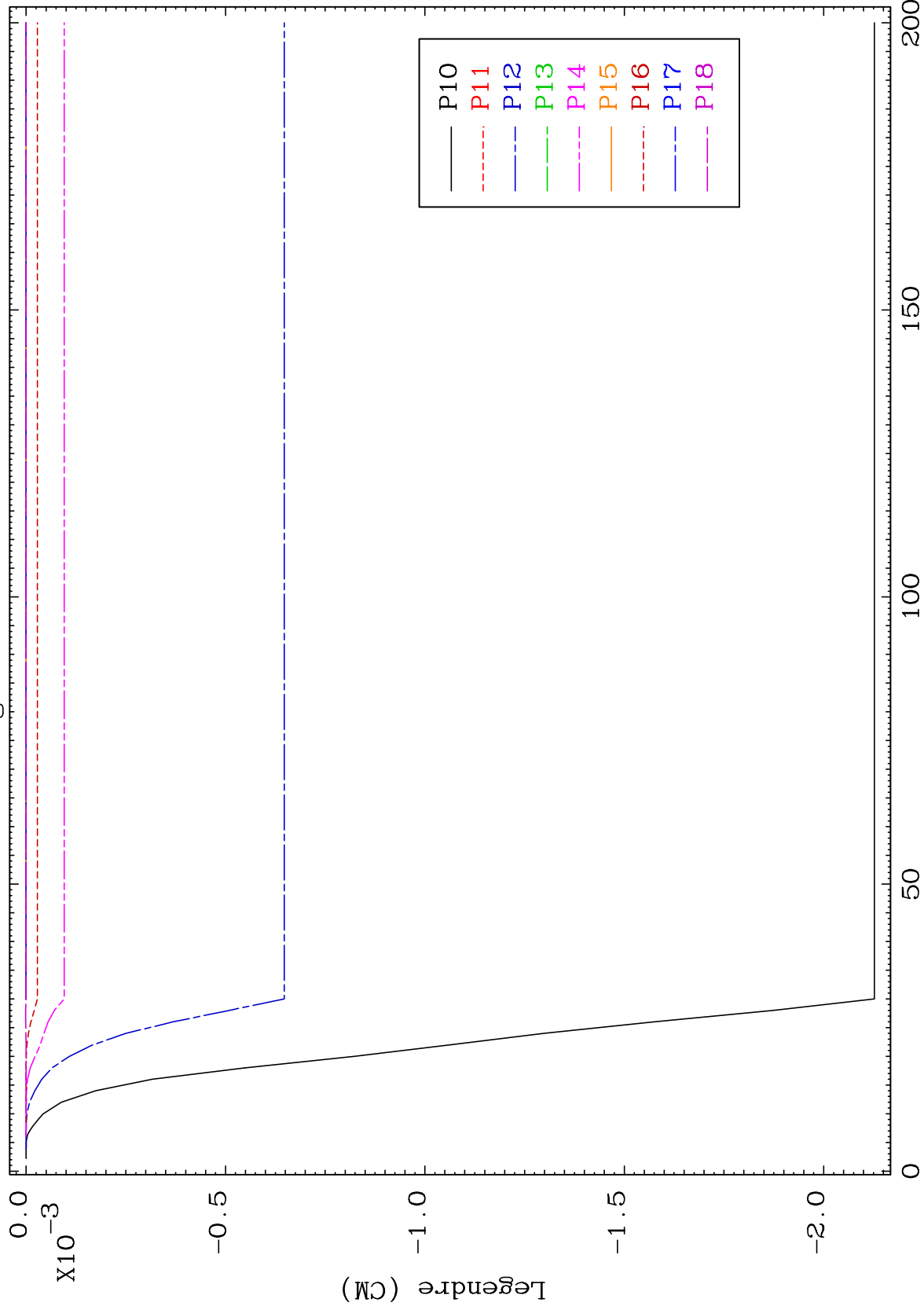
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



102

Incident Energy (MeV)

57-La-136

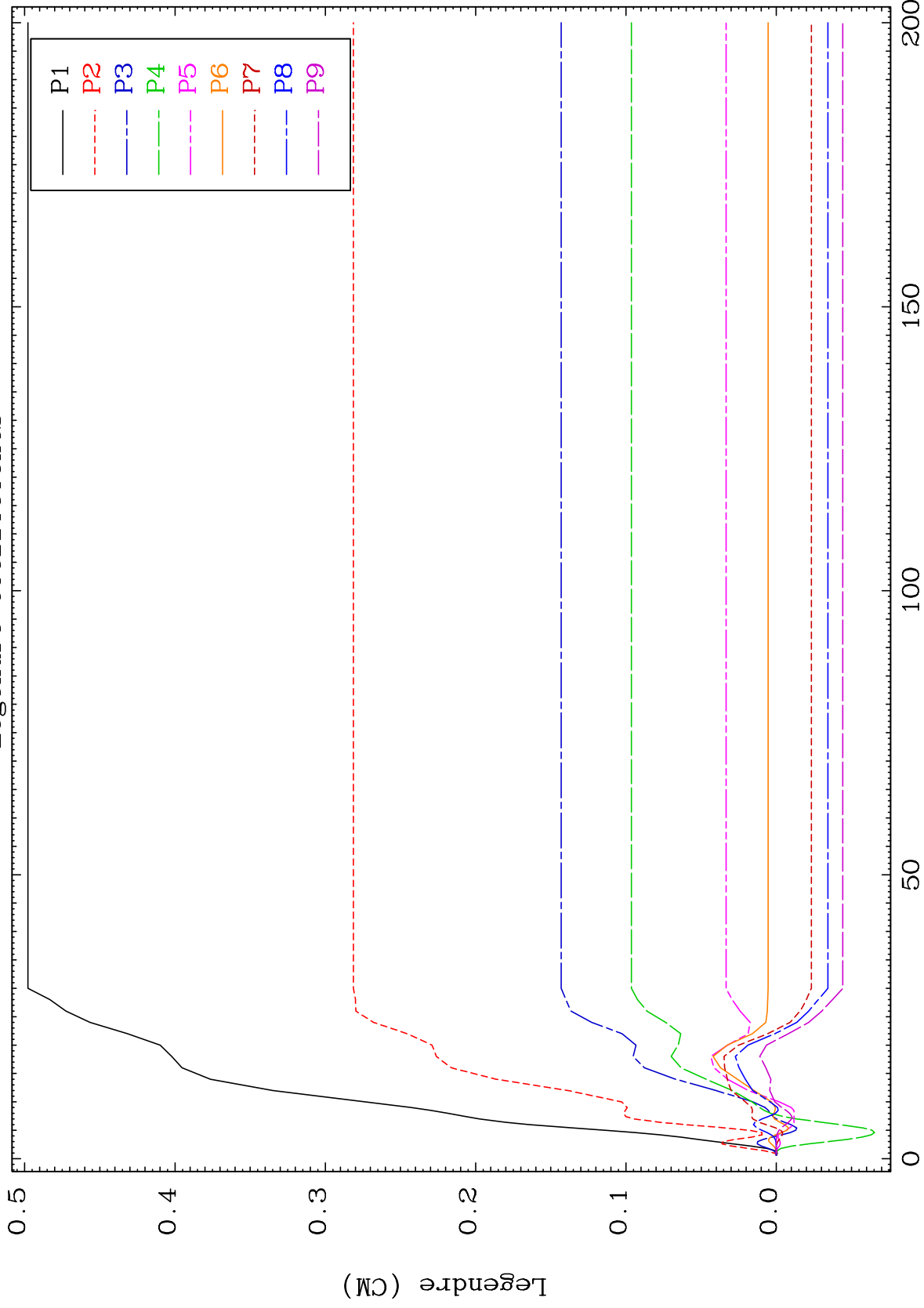




MAT 5719

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

57-La-136



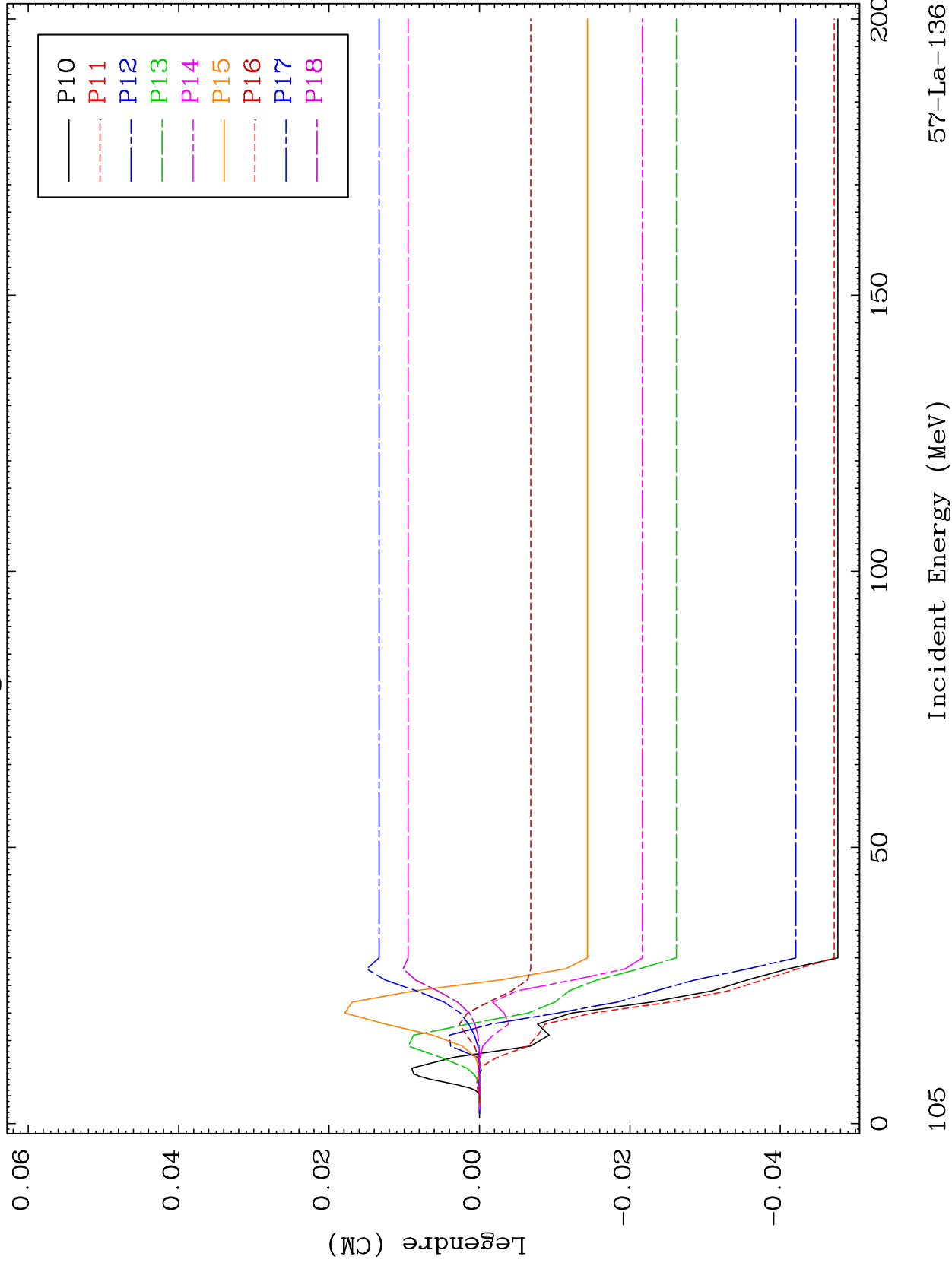
104

57-La-136

MAT 5719

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

57-La-136



57-La-136

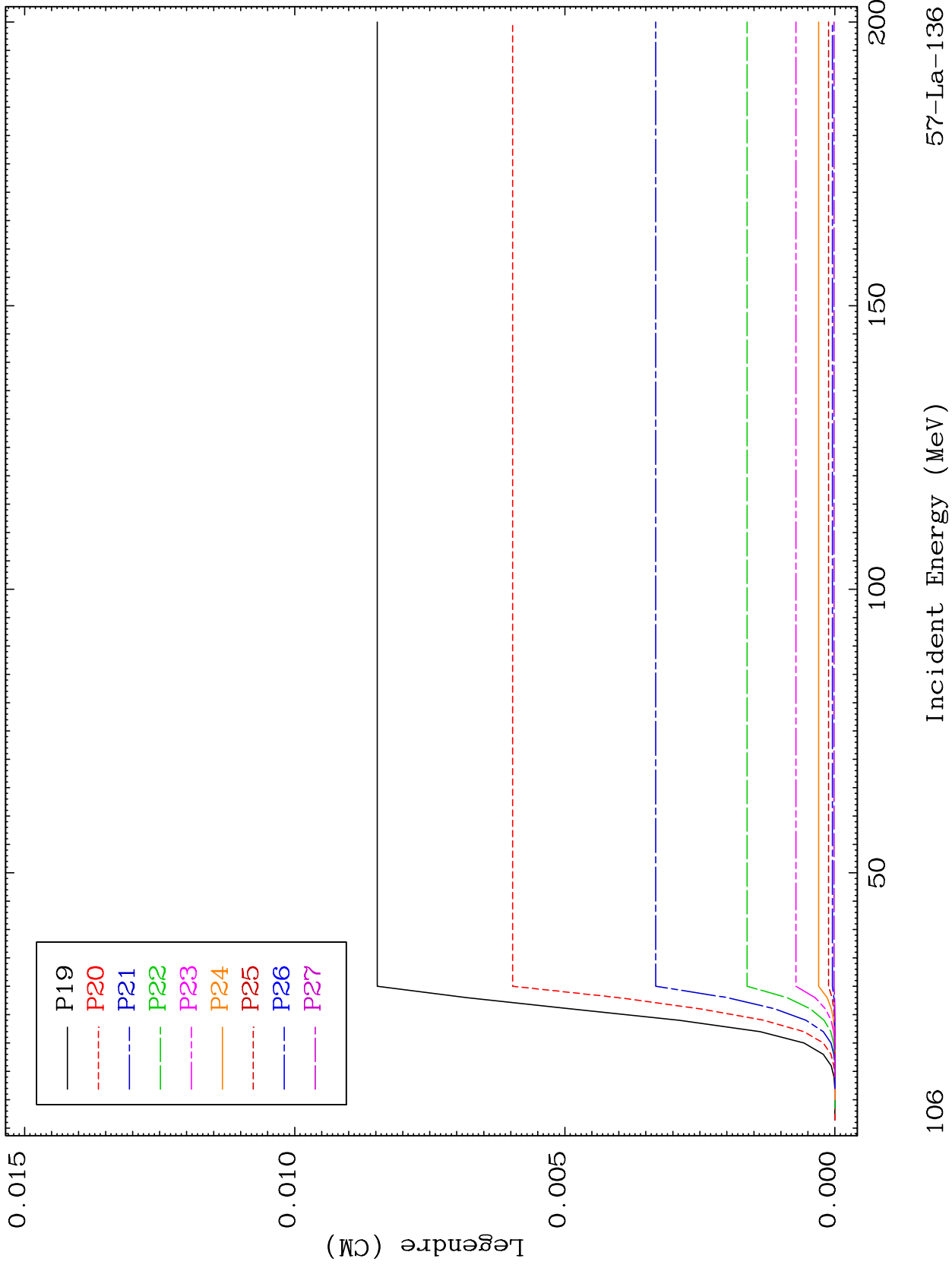
Incident Energy (MeV)

105

MAT 5719

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

57-La-136



106

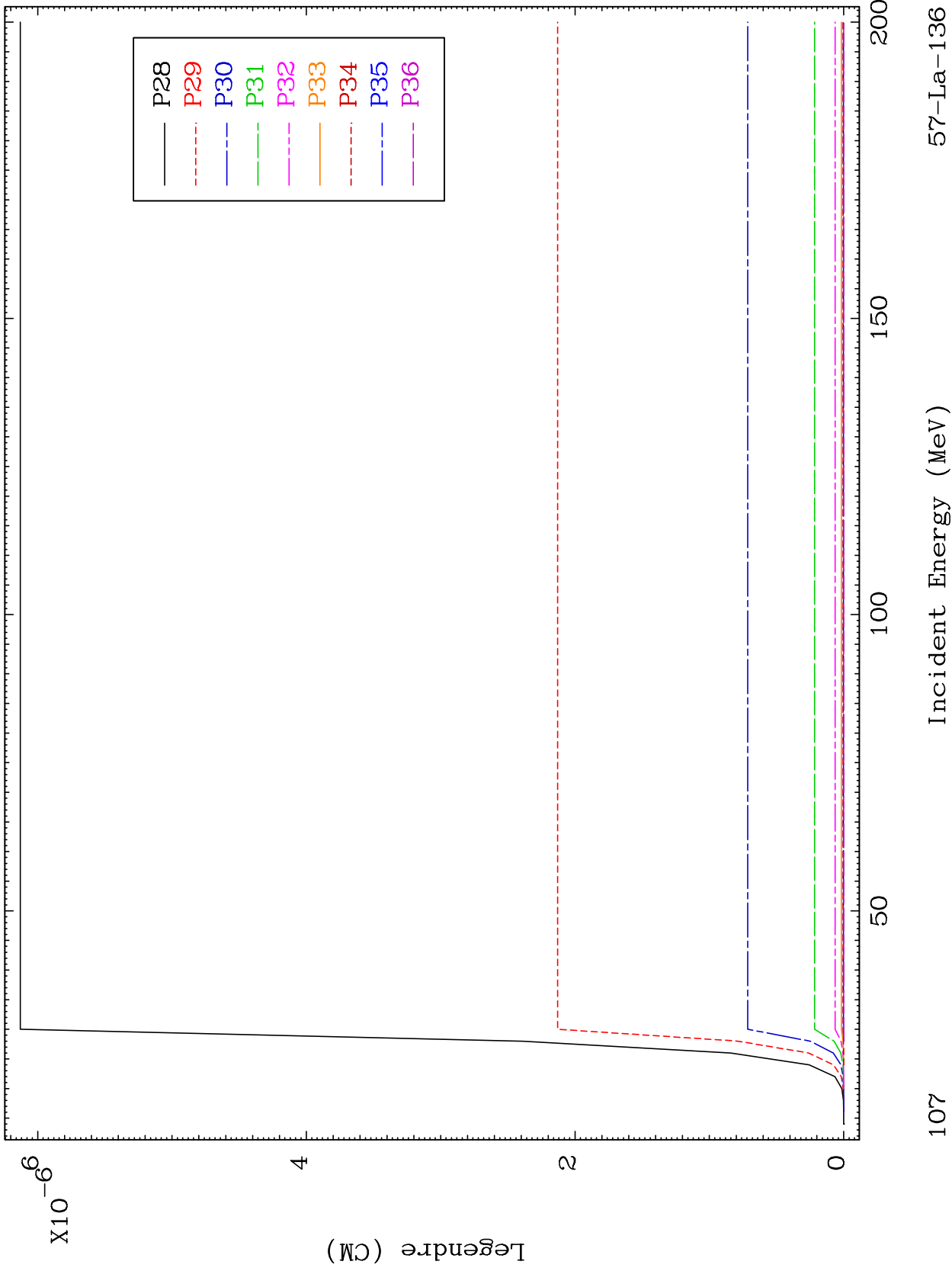
Incident Energy (MeV)

57-La-136

MAT 5719

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

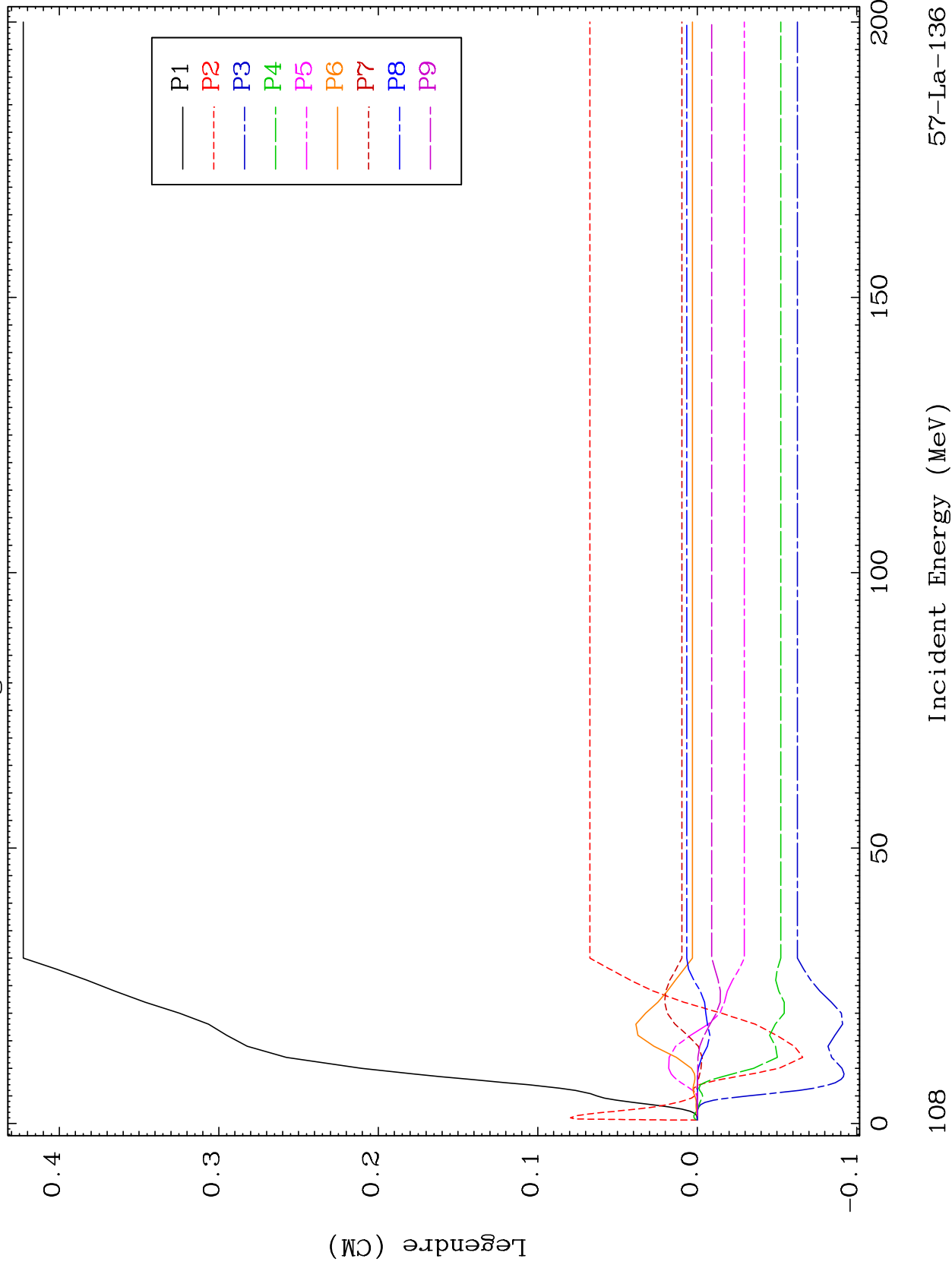
57-La-136



MAT 5719

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

57-La-136



57-La-136

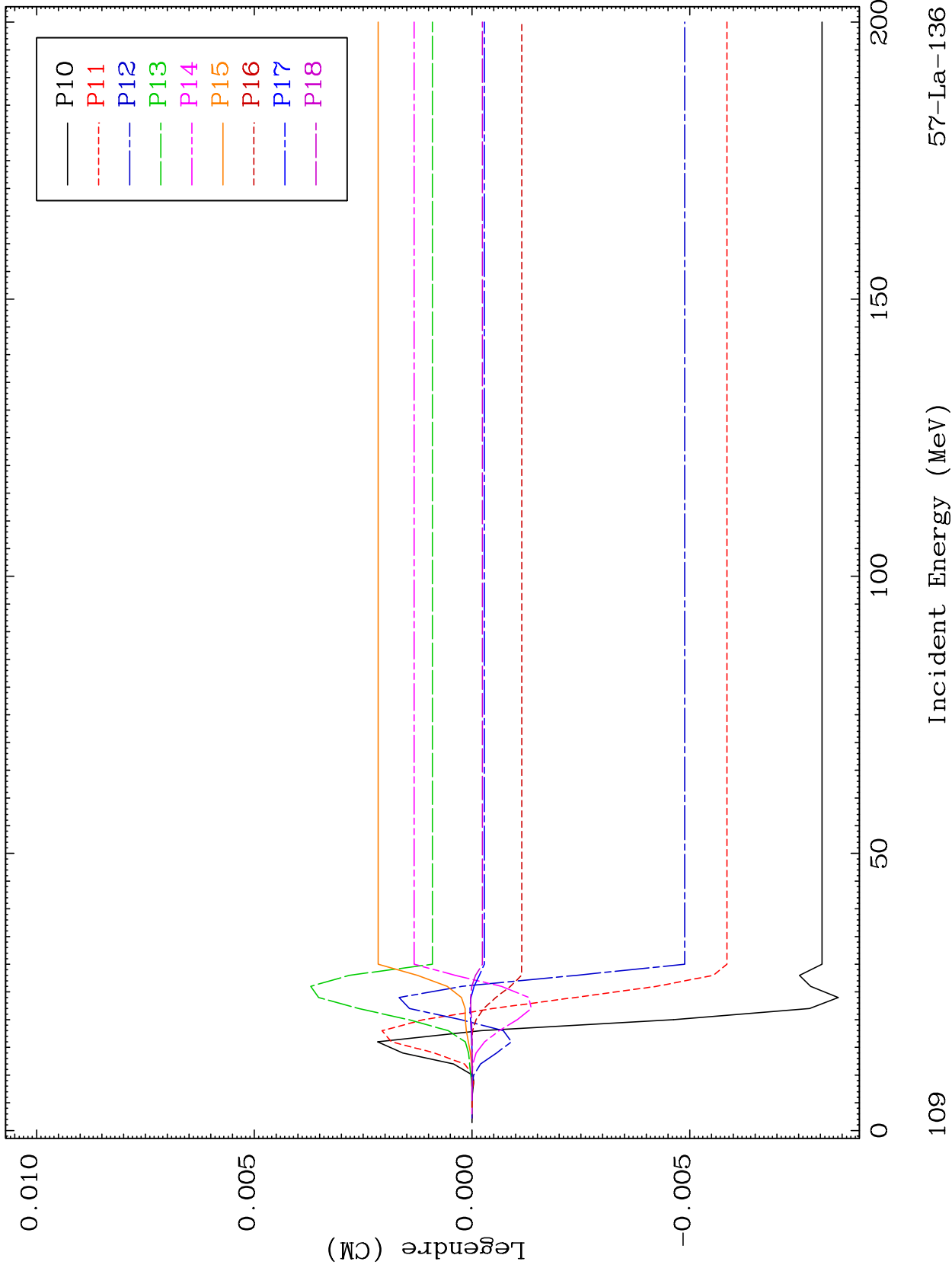
Incident Energy (MeV)

108

MAT 5719

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

57-La-136



57-La-136

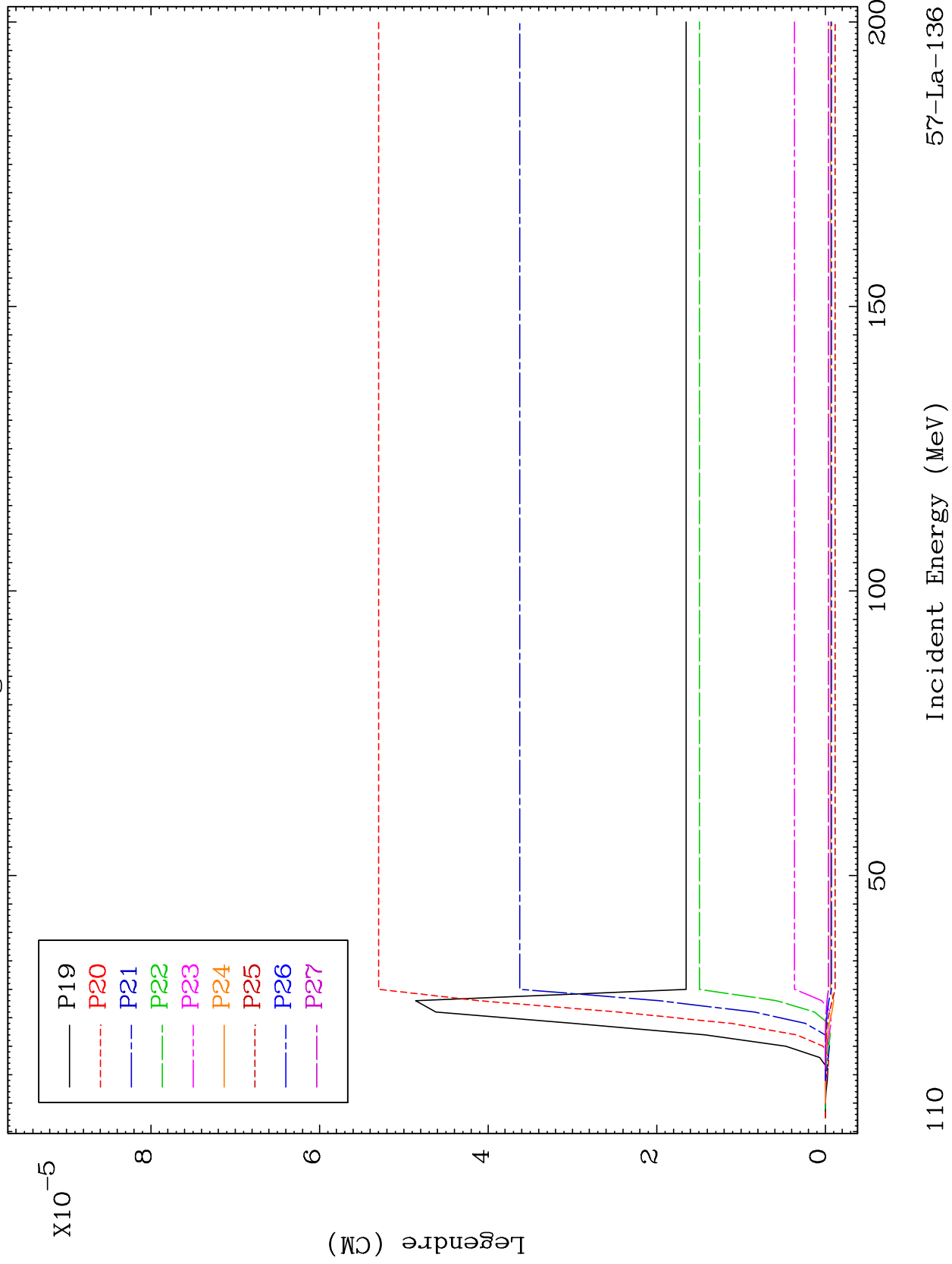
Incident Energy (MeV)

109

MAT 5719

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

57-La-136



110

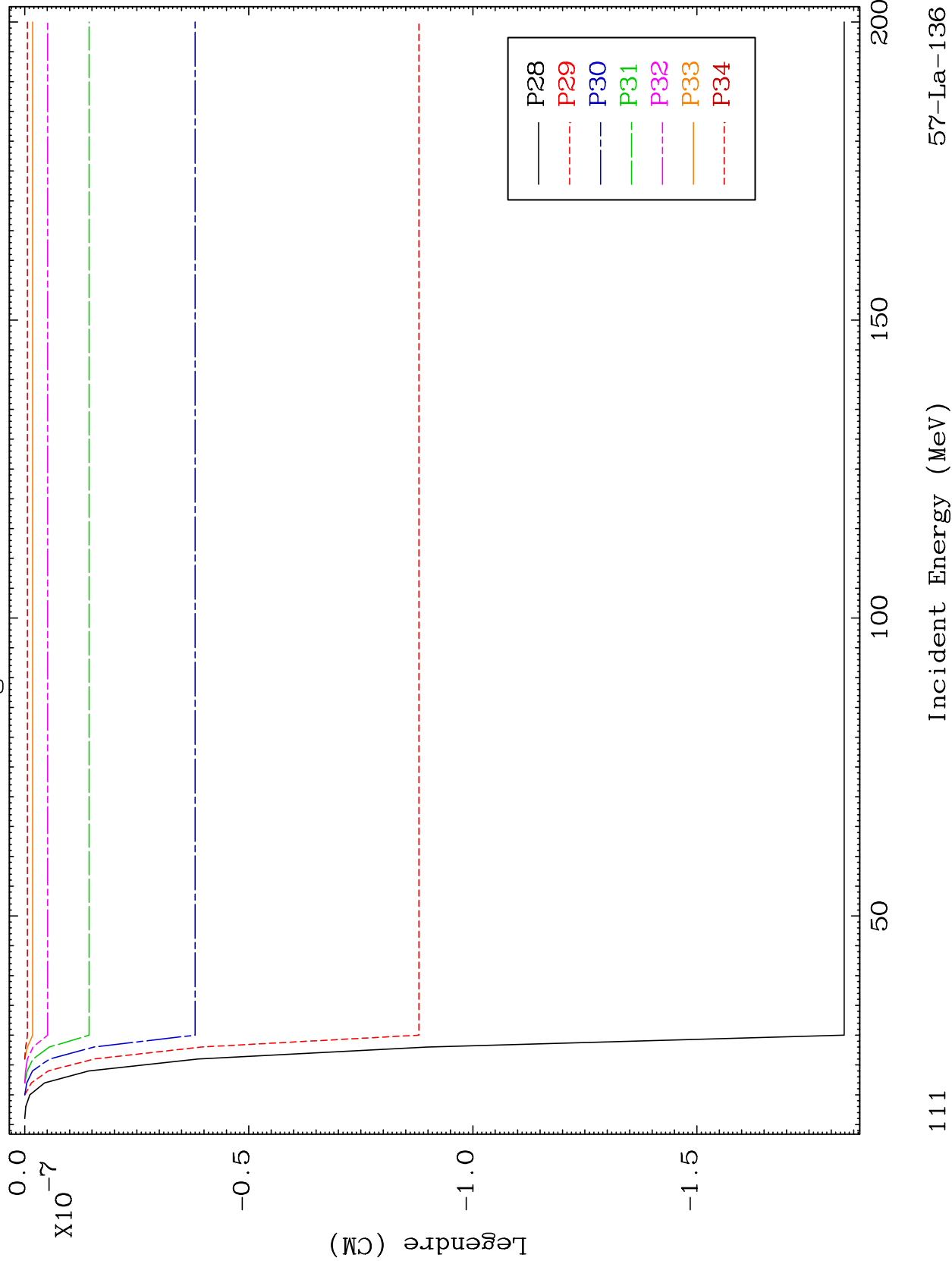
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



111

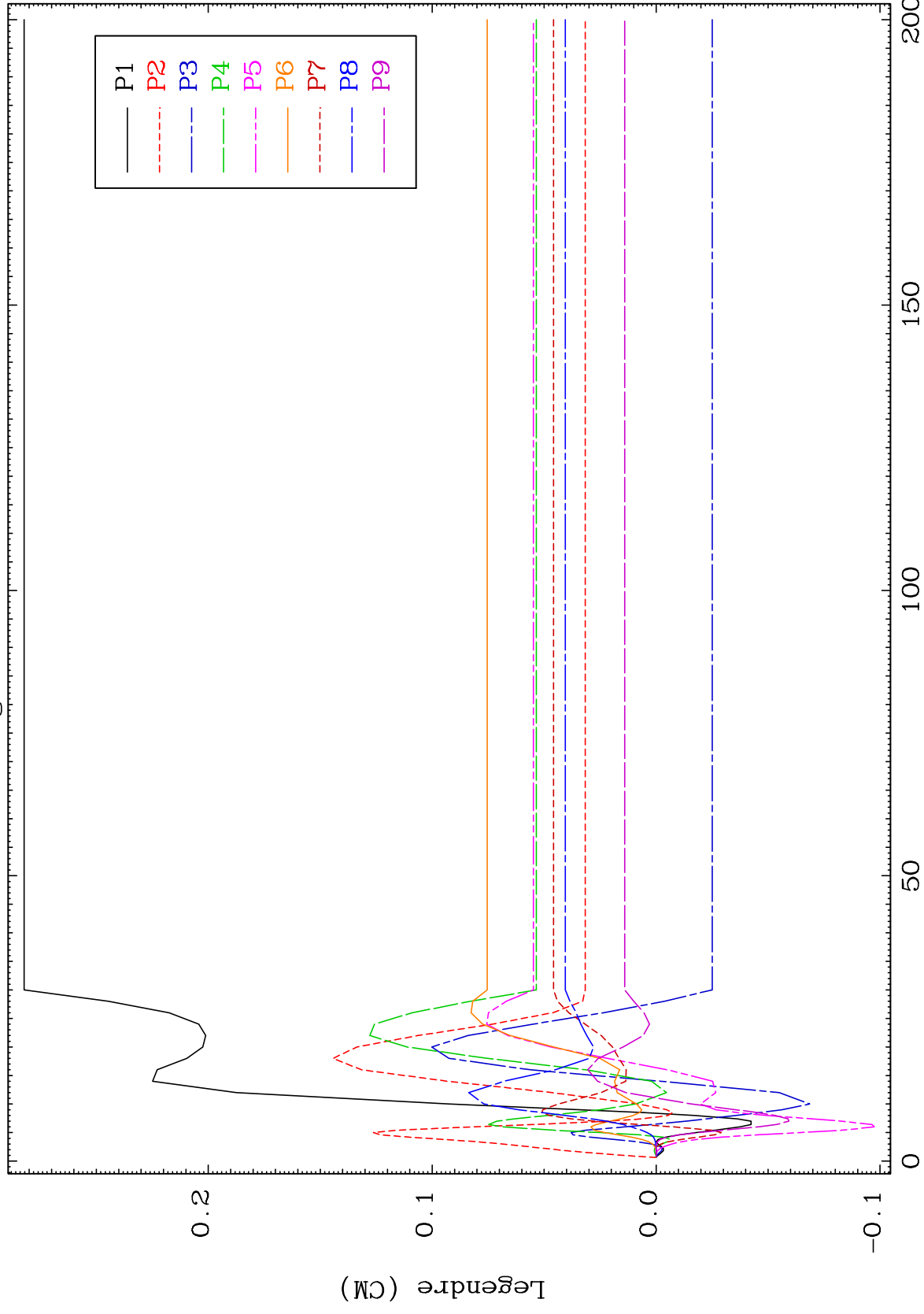
57-La-136



MAT 5719

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

57-La-136



57-La-136

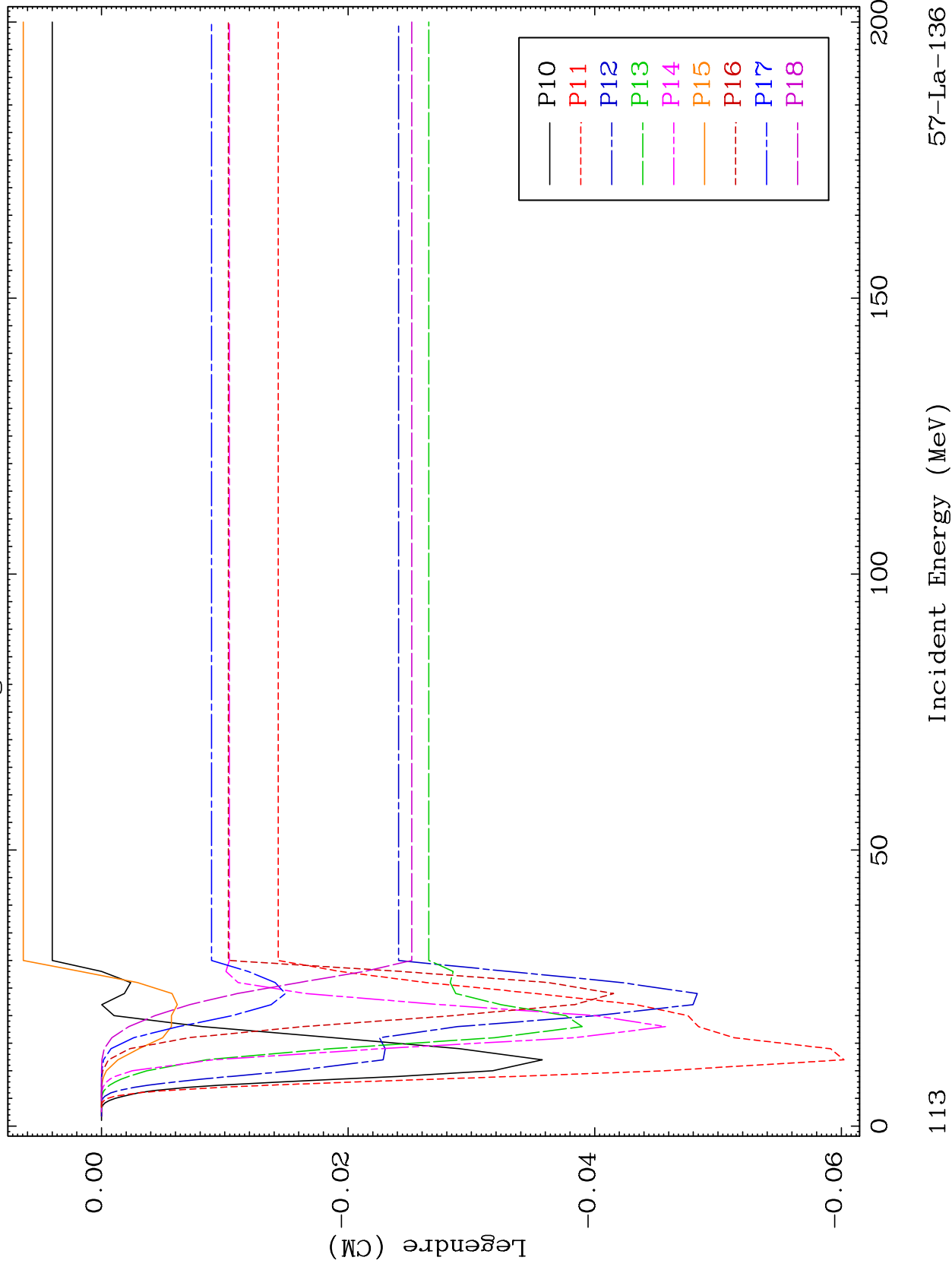
Incident Energy (MeV)

112

MAT 5719

57-La-136

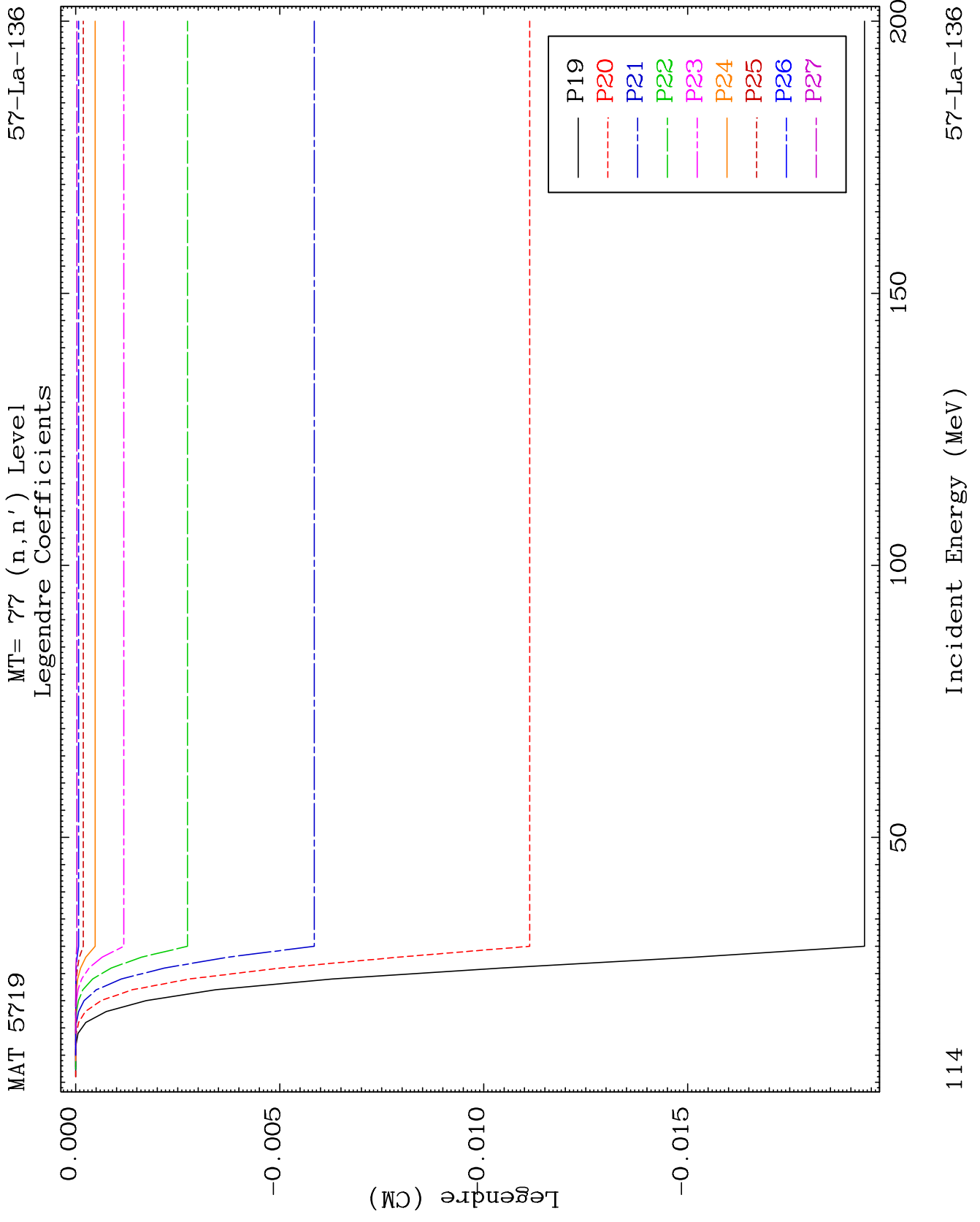
MT= 77 (n,n') Level  
Legendre Coefficients

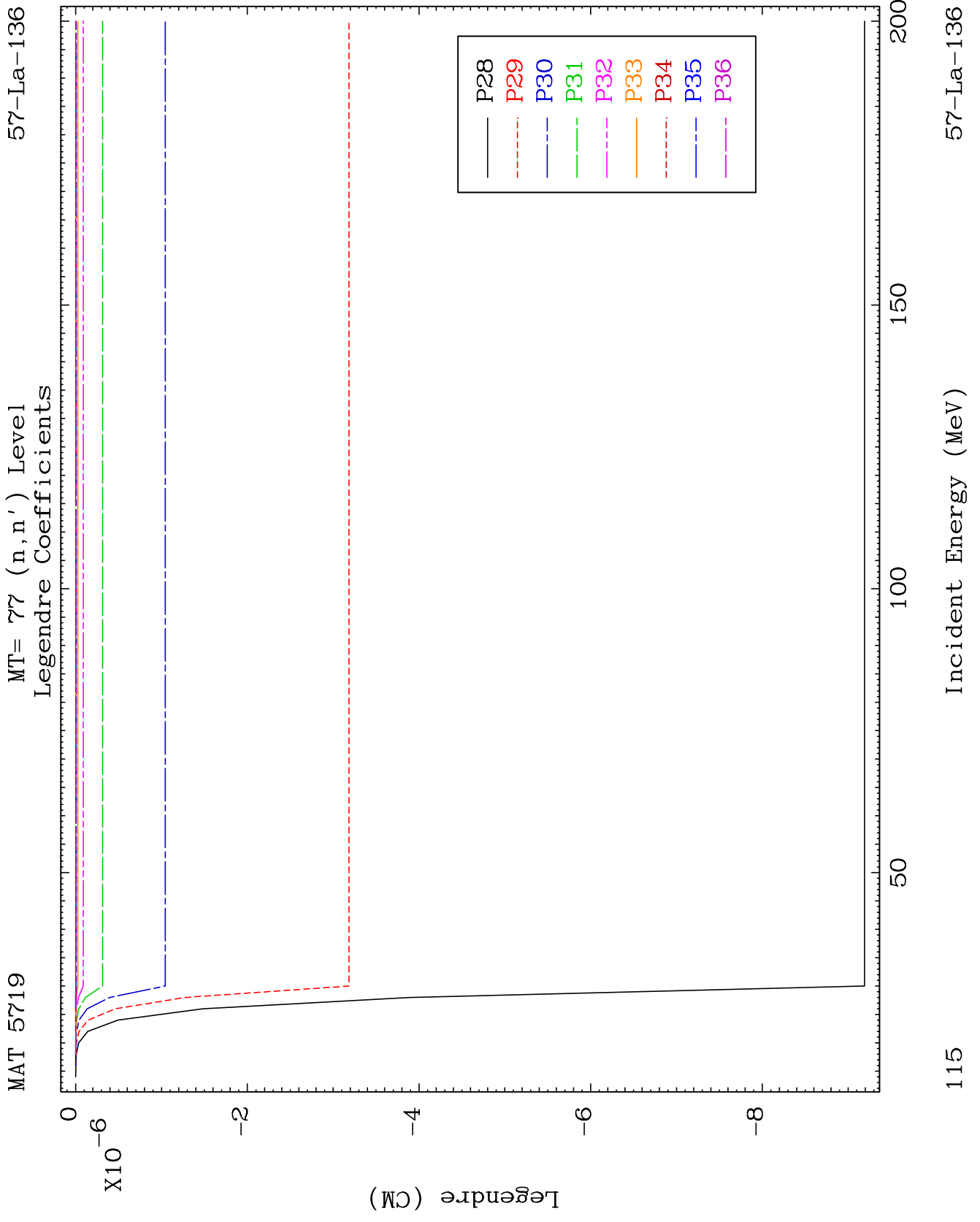


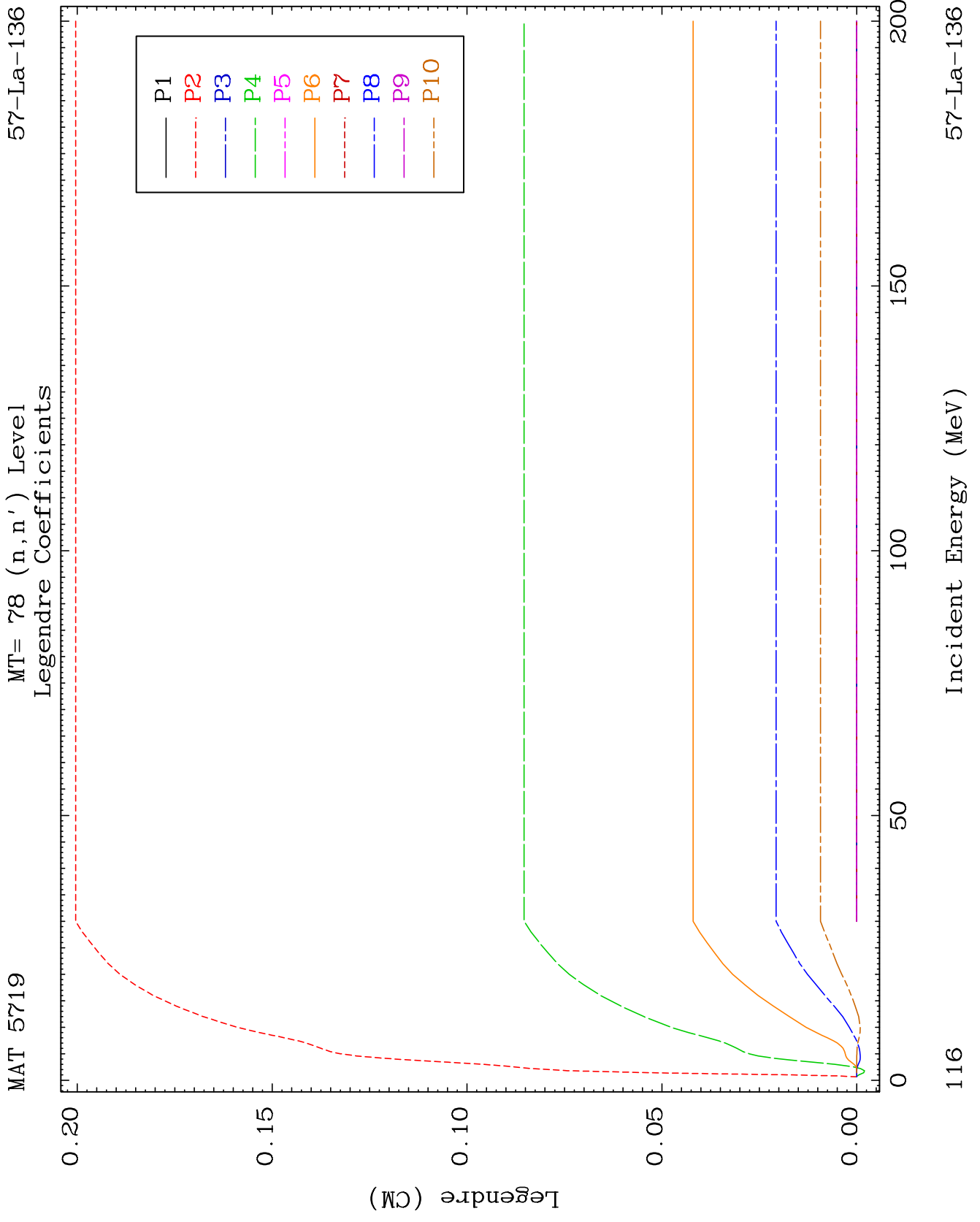
57-La-136

Incident Energy (MeV)

113



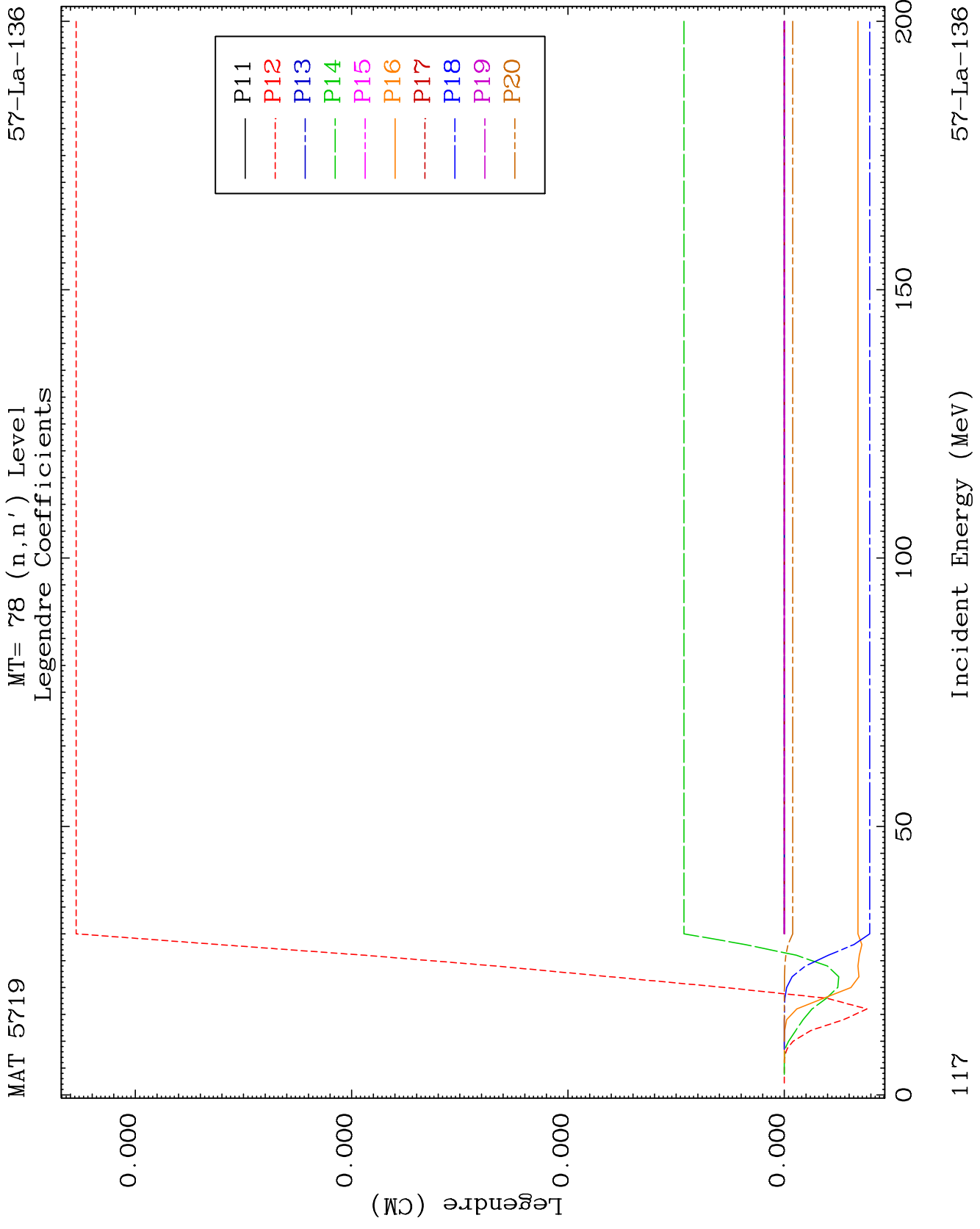


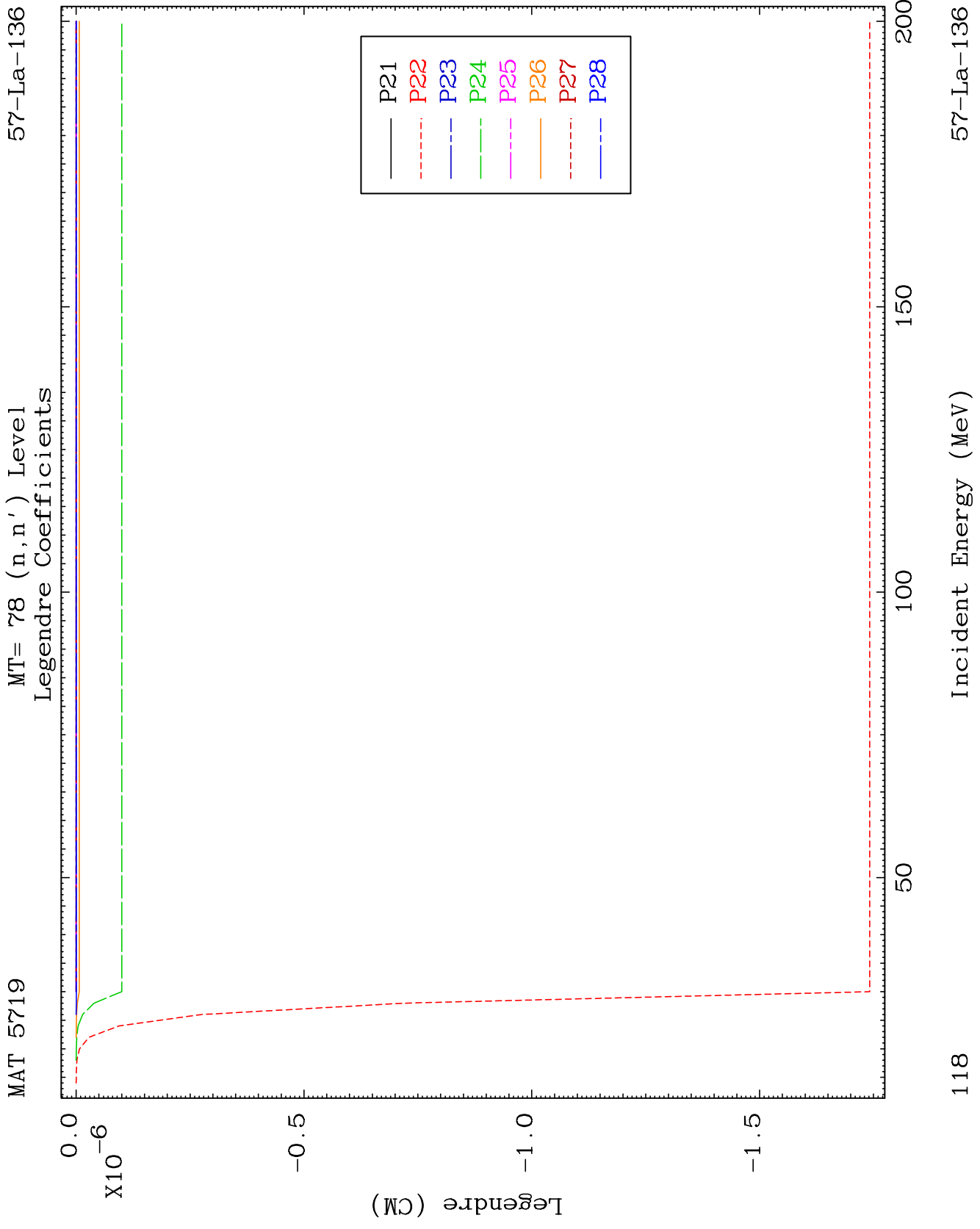


57-La-136

Incident Energy (MeV)

116

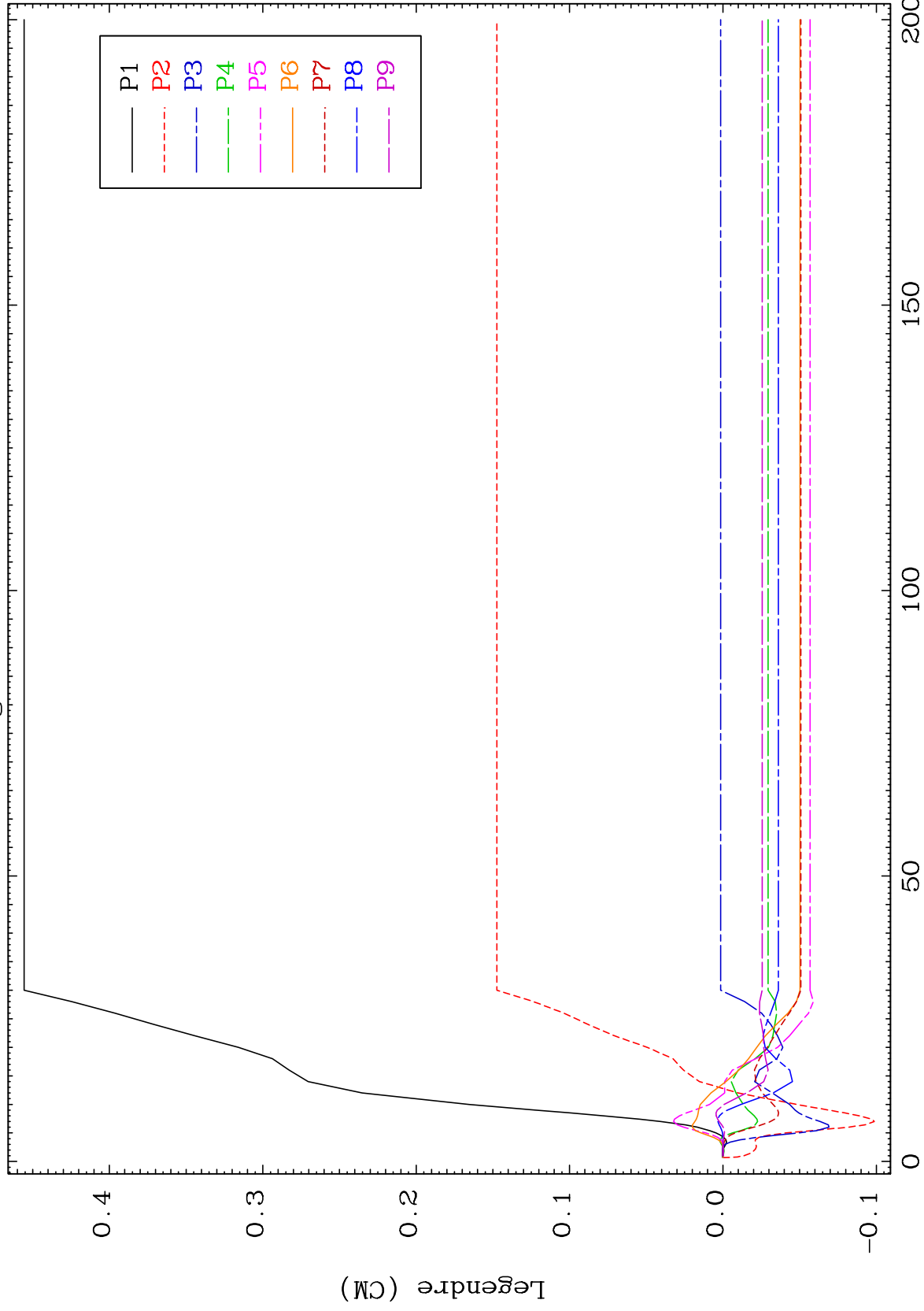




MAT 5719

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

57-La-136



57-La-136

Incident Energy (MeV)

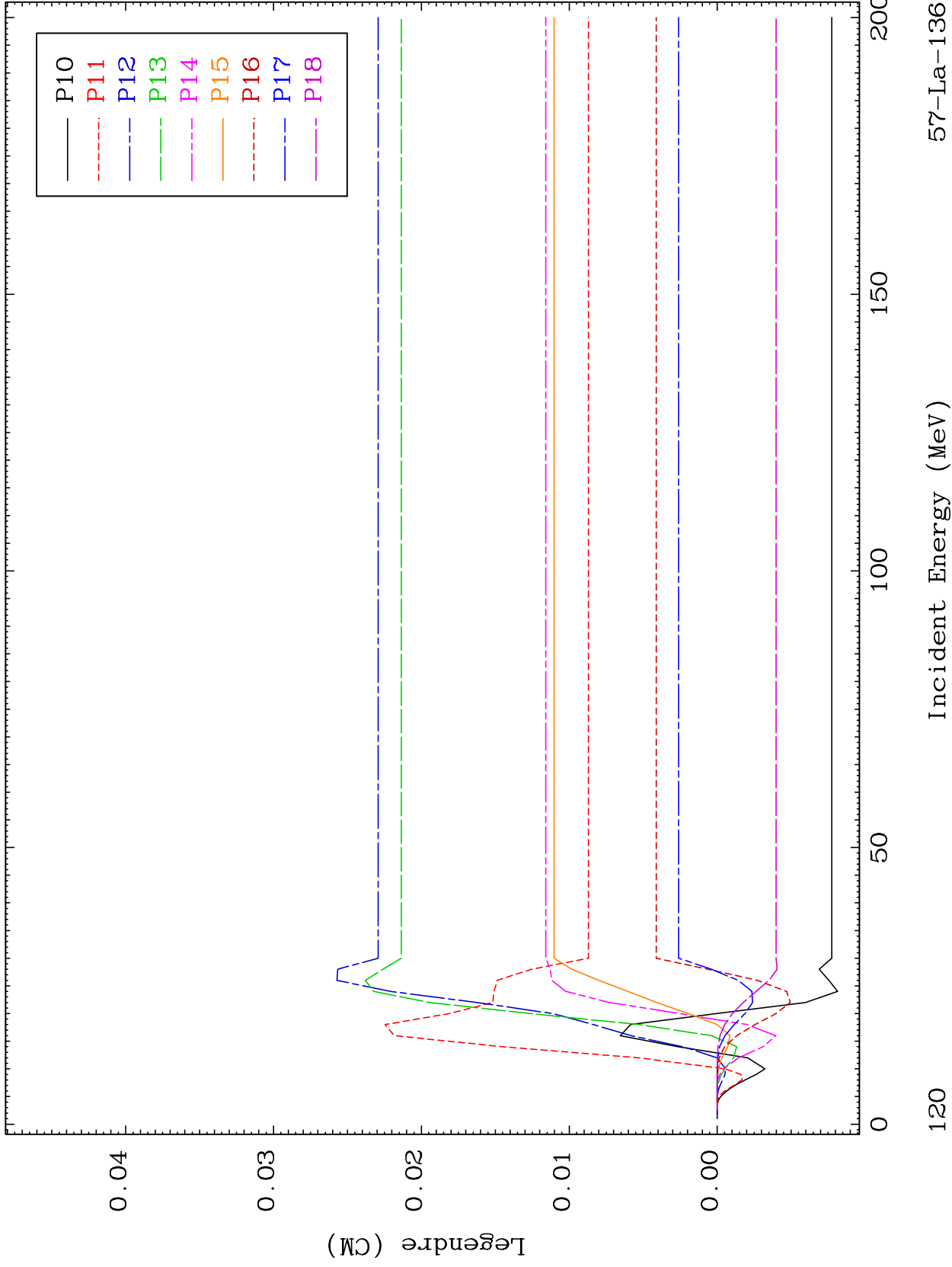
119



MAT 5719

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

57-La-136



57-La-136

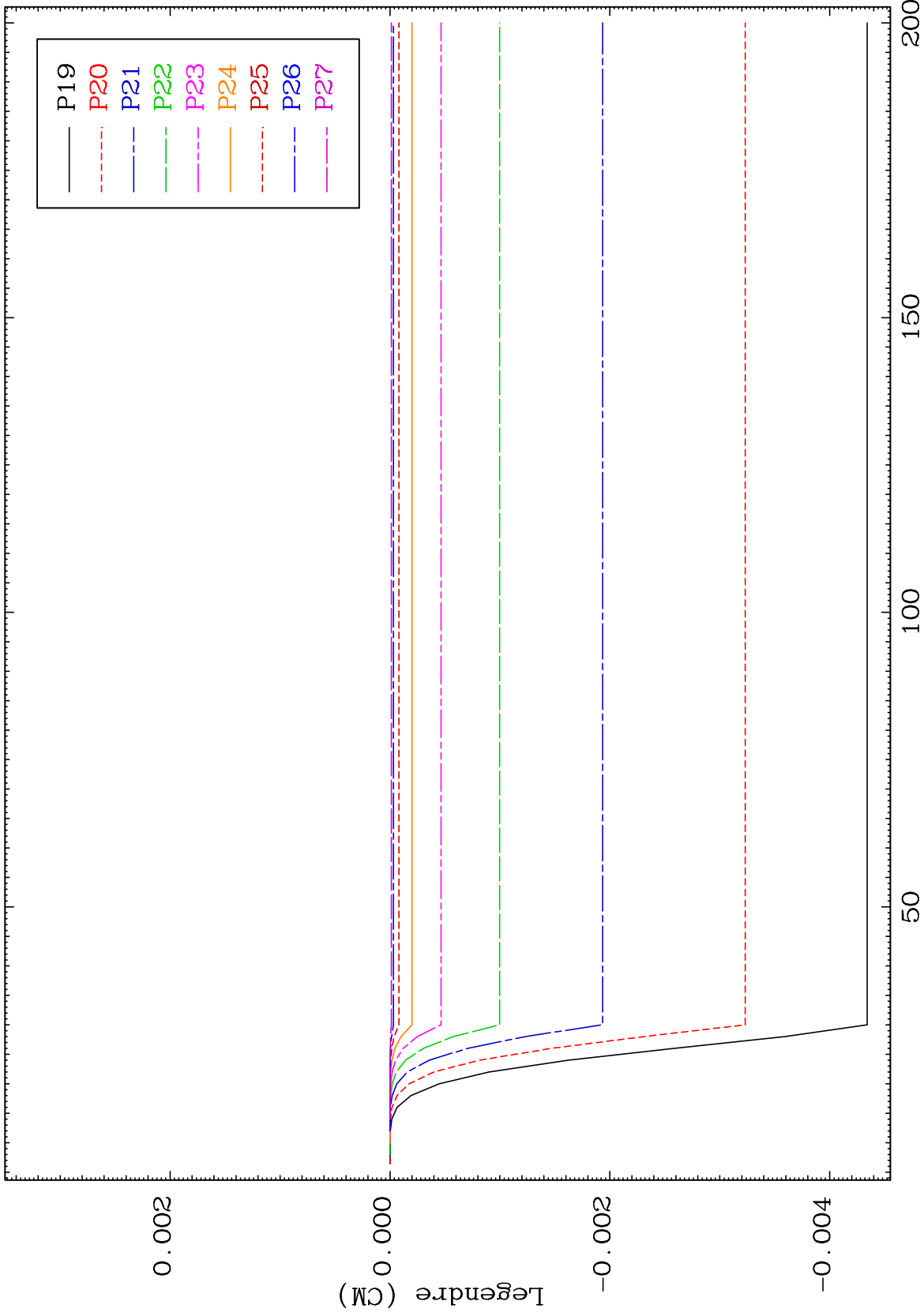
Incident Energy (MeV)

120

MAT 5719

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

57-La-136



121

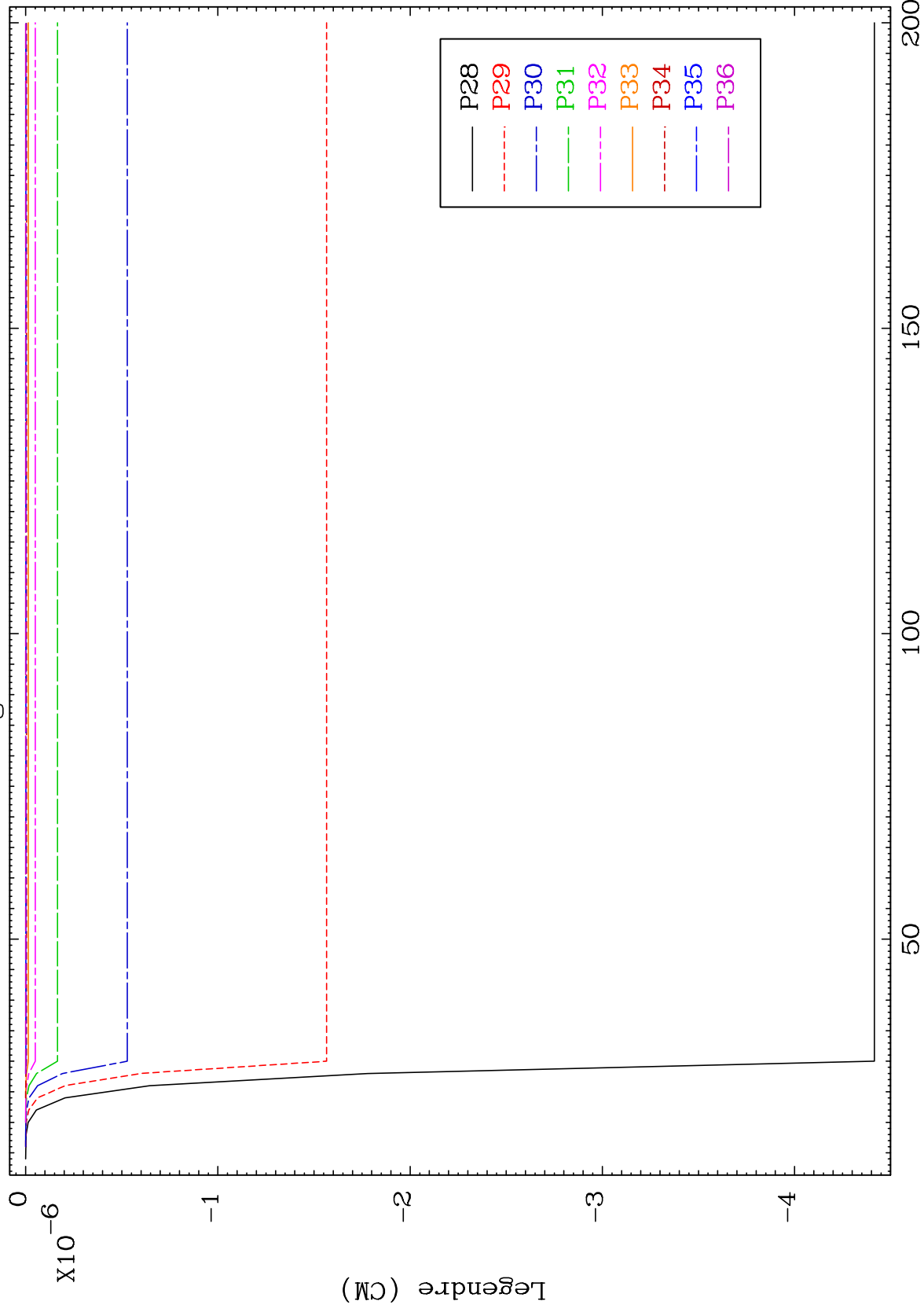
Incident Energy (MeV)

57-La-136

MAT 5719

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

57-La-136



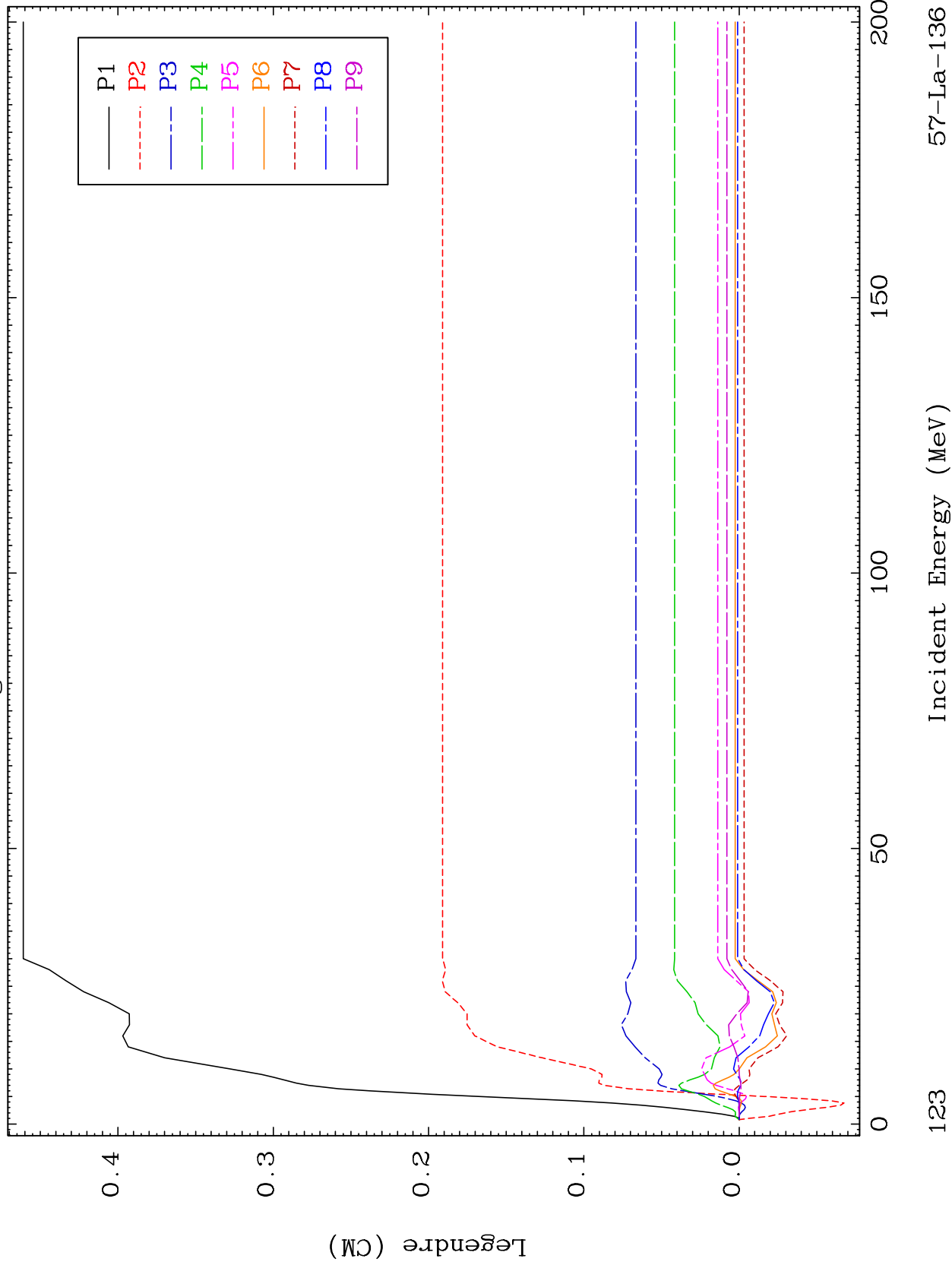
122

57-La-136

MAT 5719

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

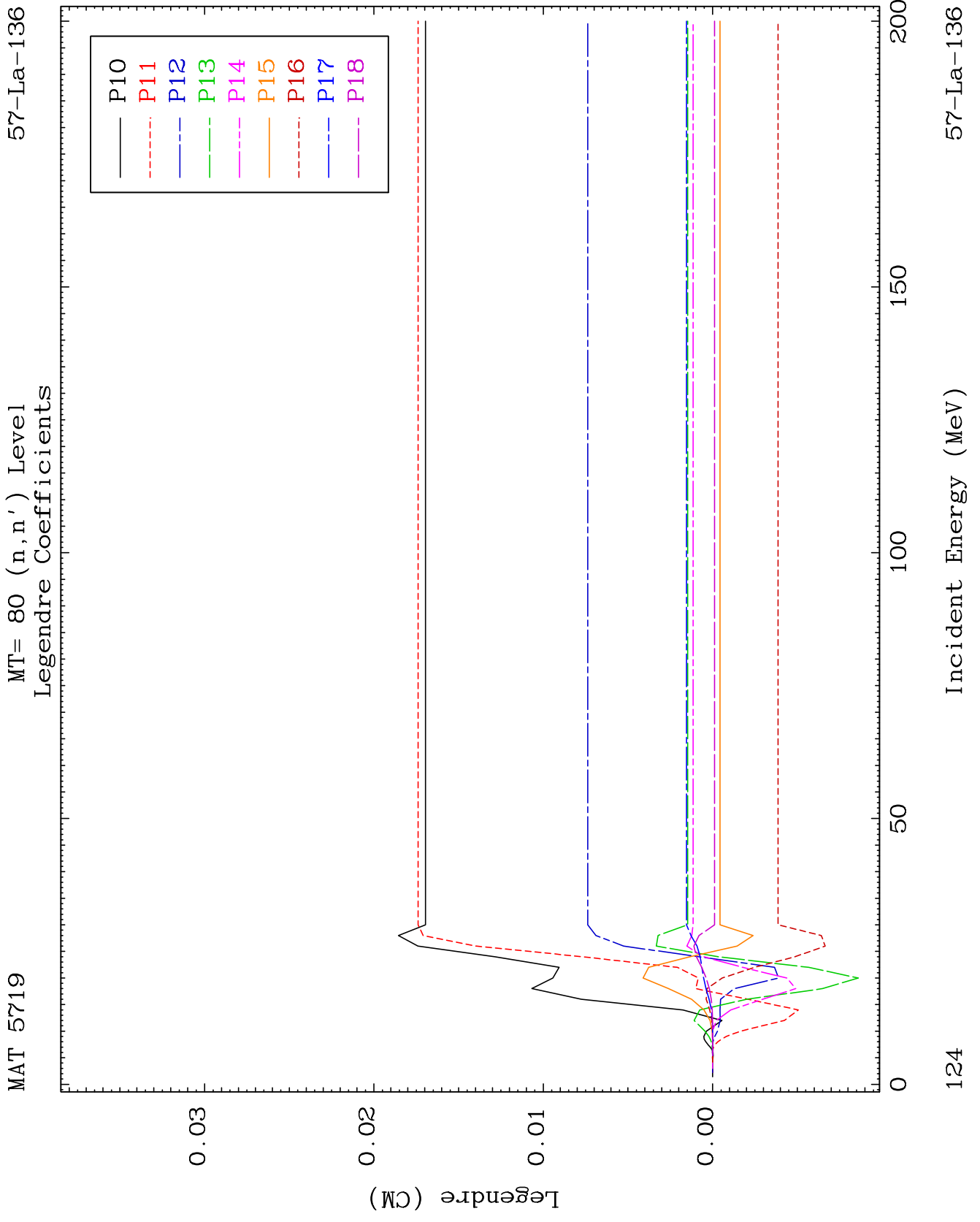
57-La-136

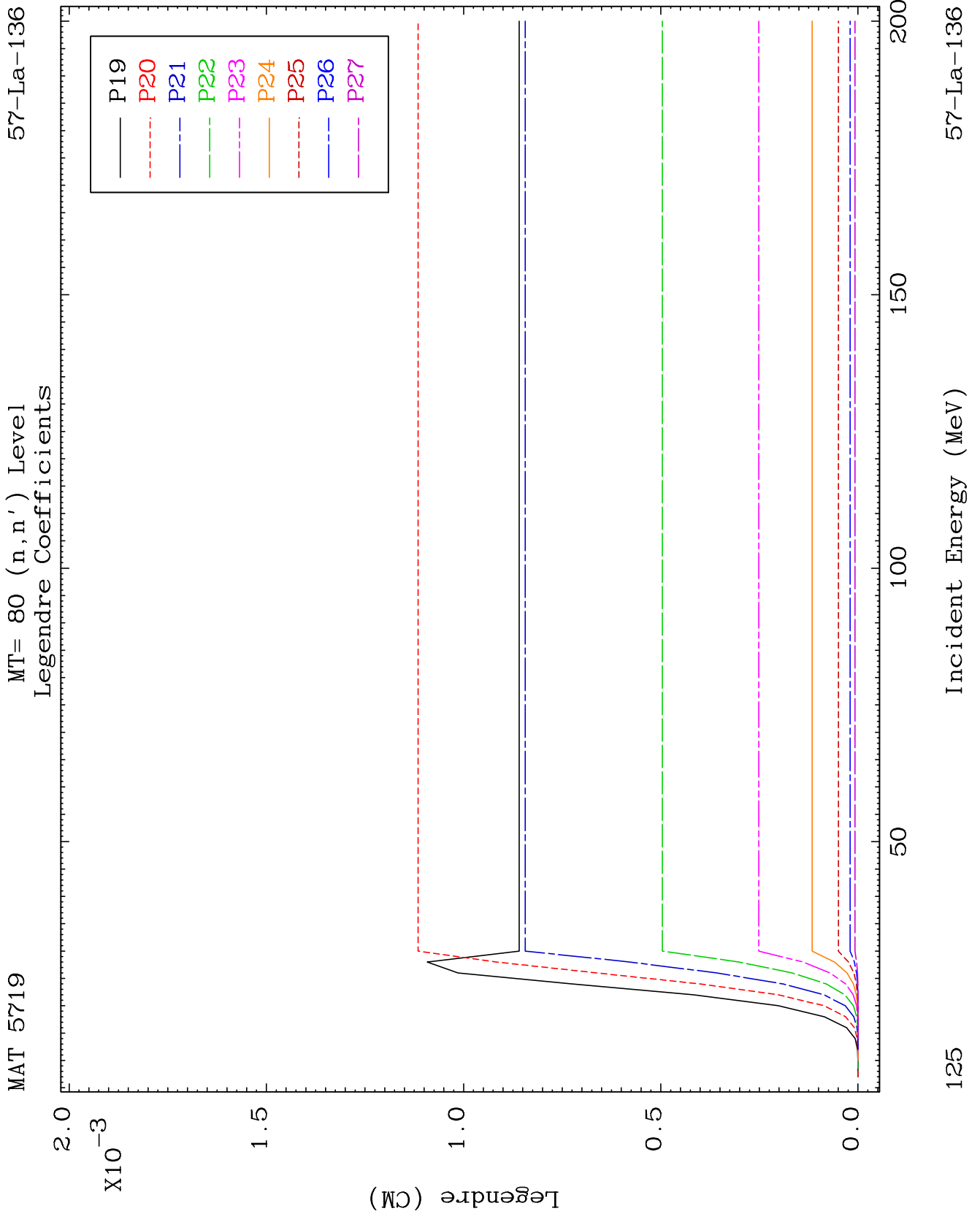


57-La-136

Incident Energy (MeV)

123

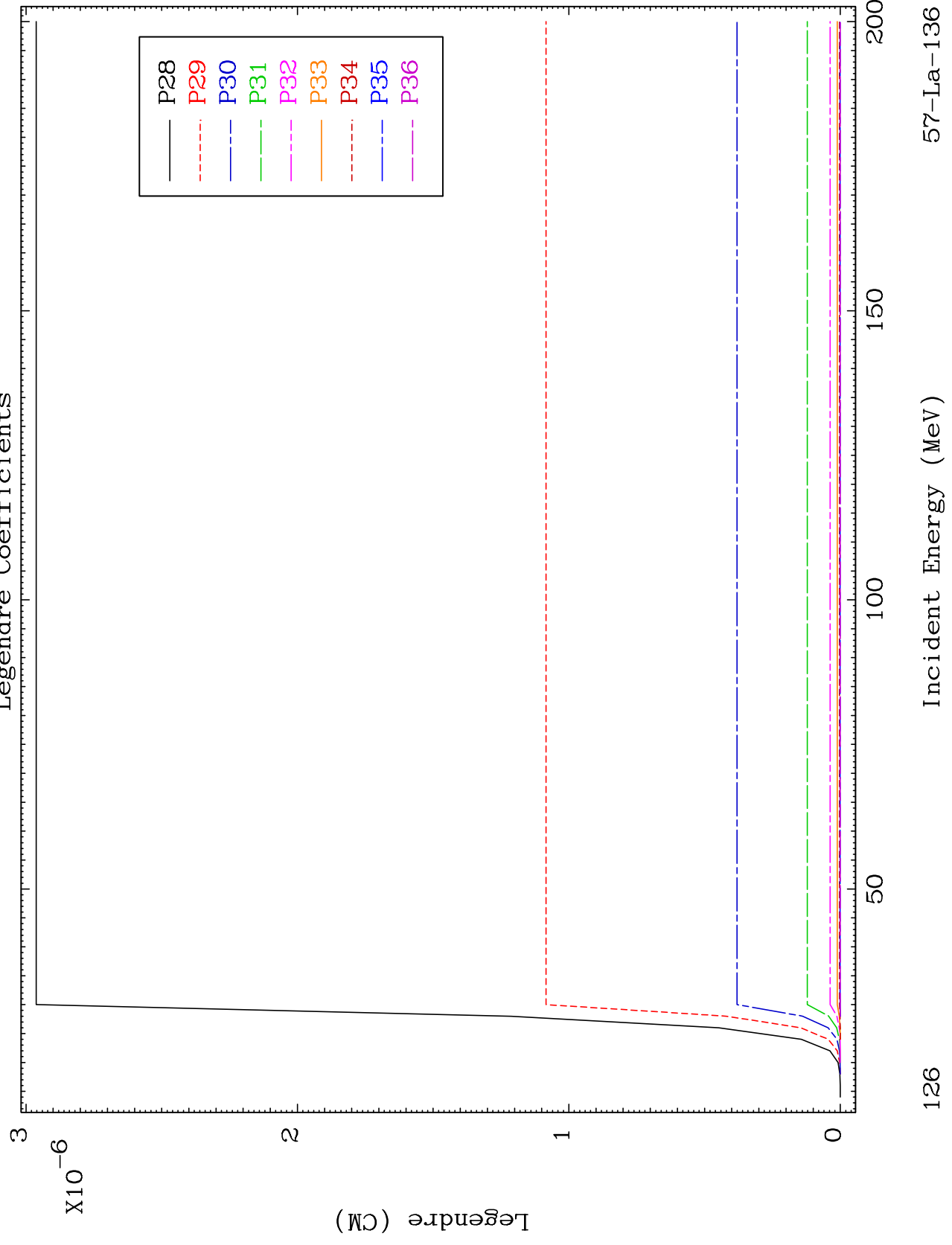




MAT 5719

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

57-La-136



126

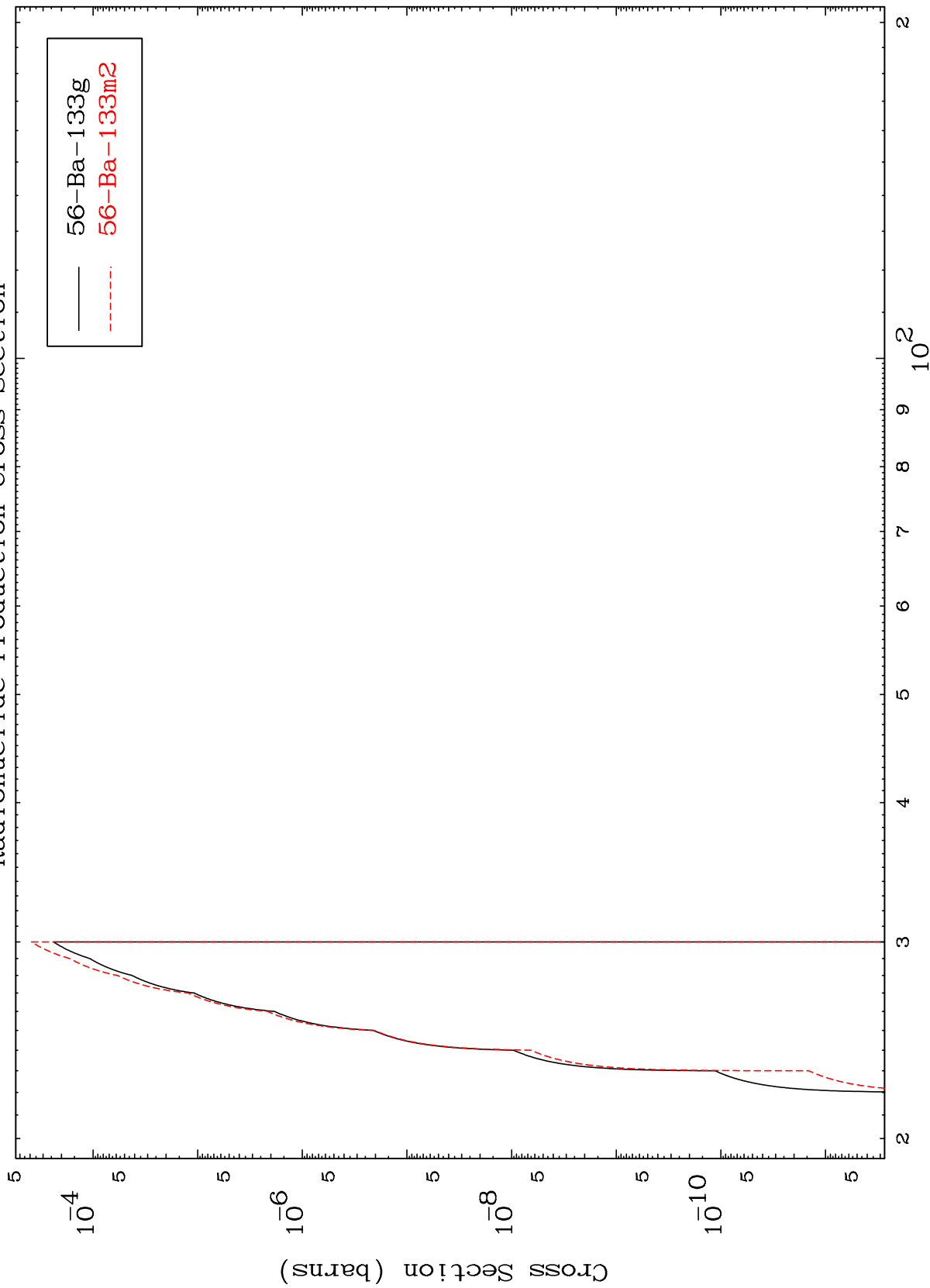
57-La-136

MAT 5719

(n,2n) d

57-La-136

Radionuclide Production Cross Section



127

Incident Energy (MeV)

57-La-136

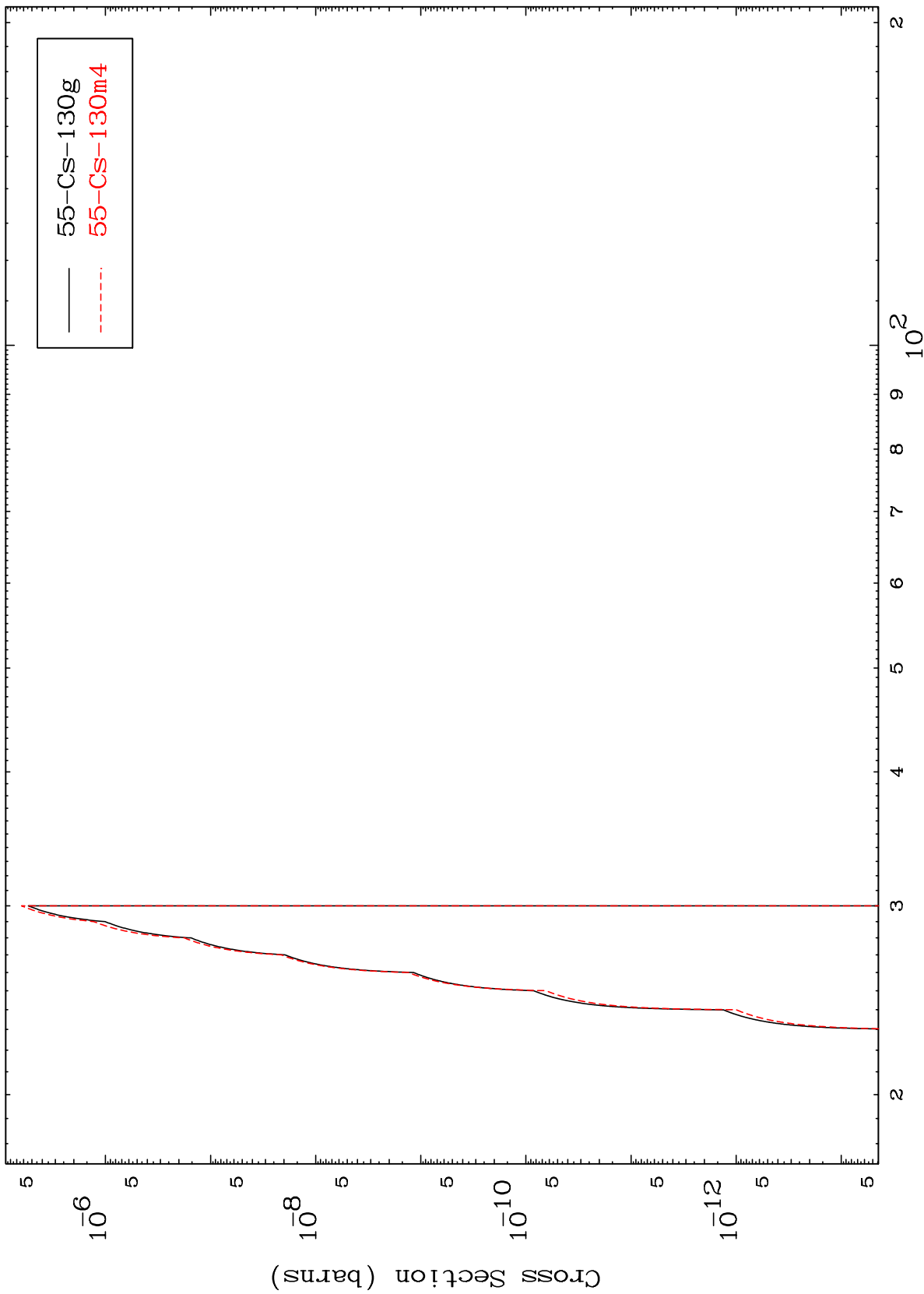


MAT 5719

(n,3n)  $\alpha$

57-La-136

Radionuclide Production Cross Section



128

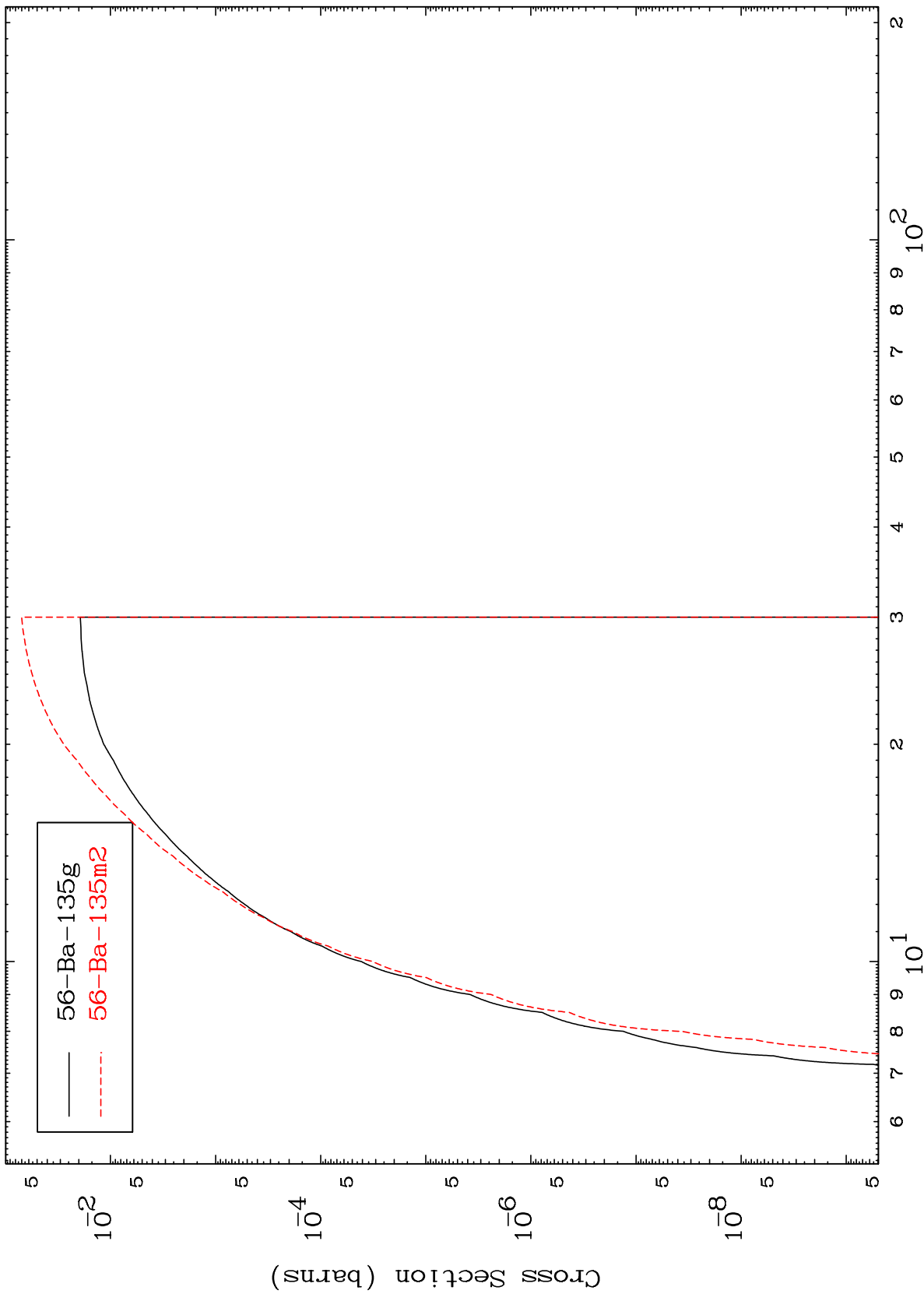
Incident Energy (MeV)

57-La-136

MAT 5719

57-La-136

(n,n') p  
Radionuclide Production Cross Section



129

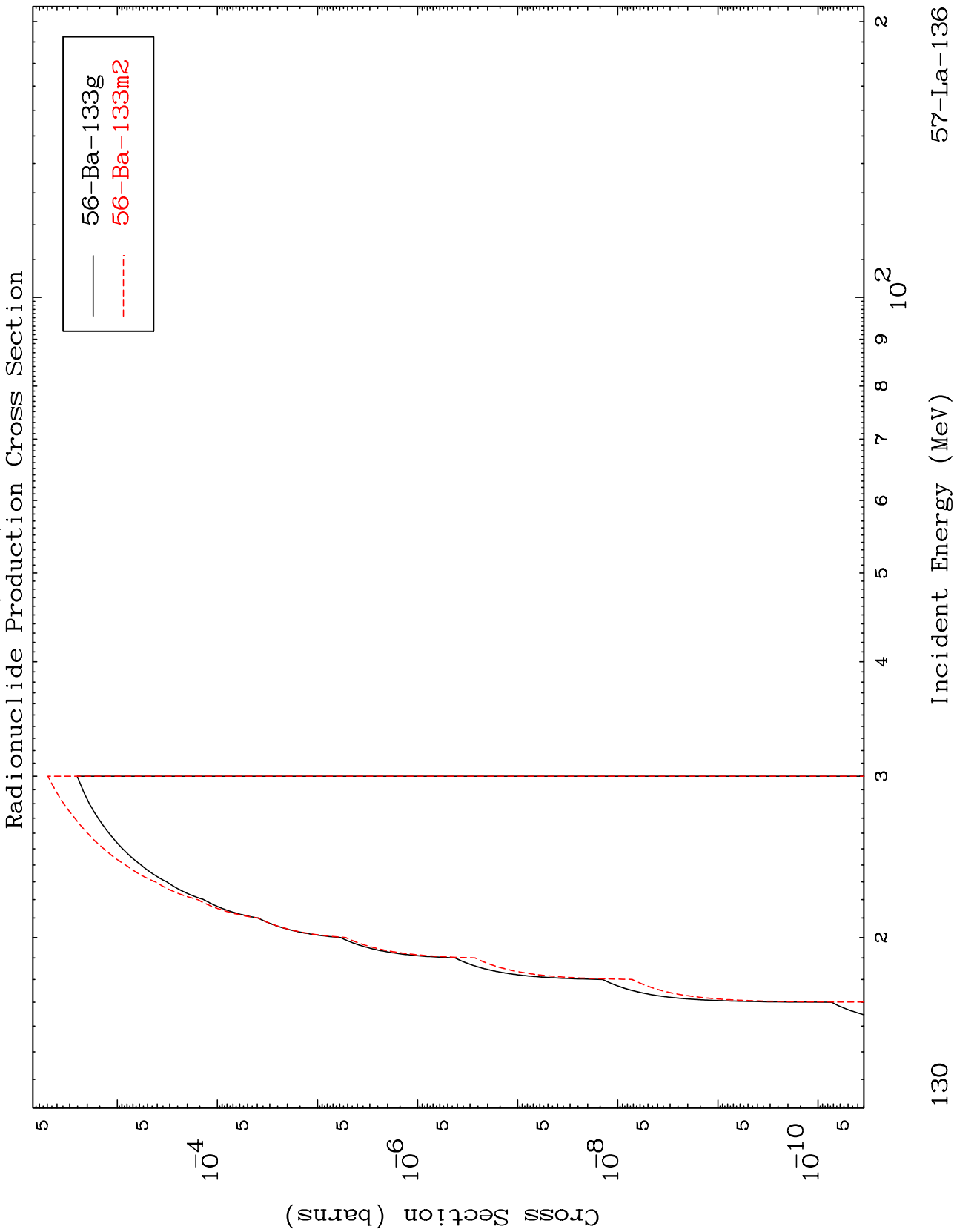
Incident Energy (MeV)

57-La-136

MAT 5719

(n,n') t

57-La-136



130

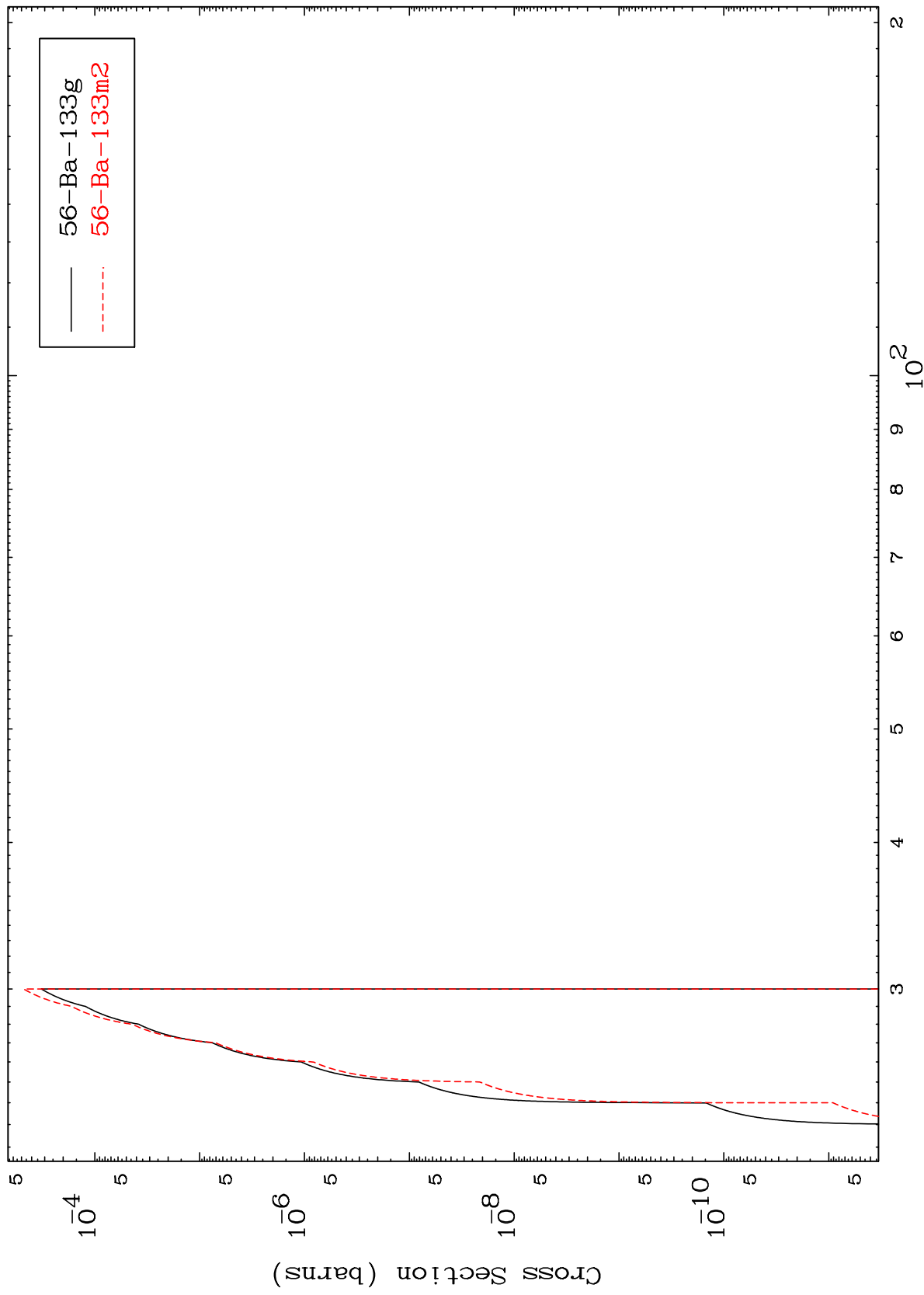
57-La-136

57-La-136

MAT 5719

57-La-136

(n,3n) p  
Radionuclide Production Cross Section



131

57-La-136

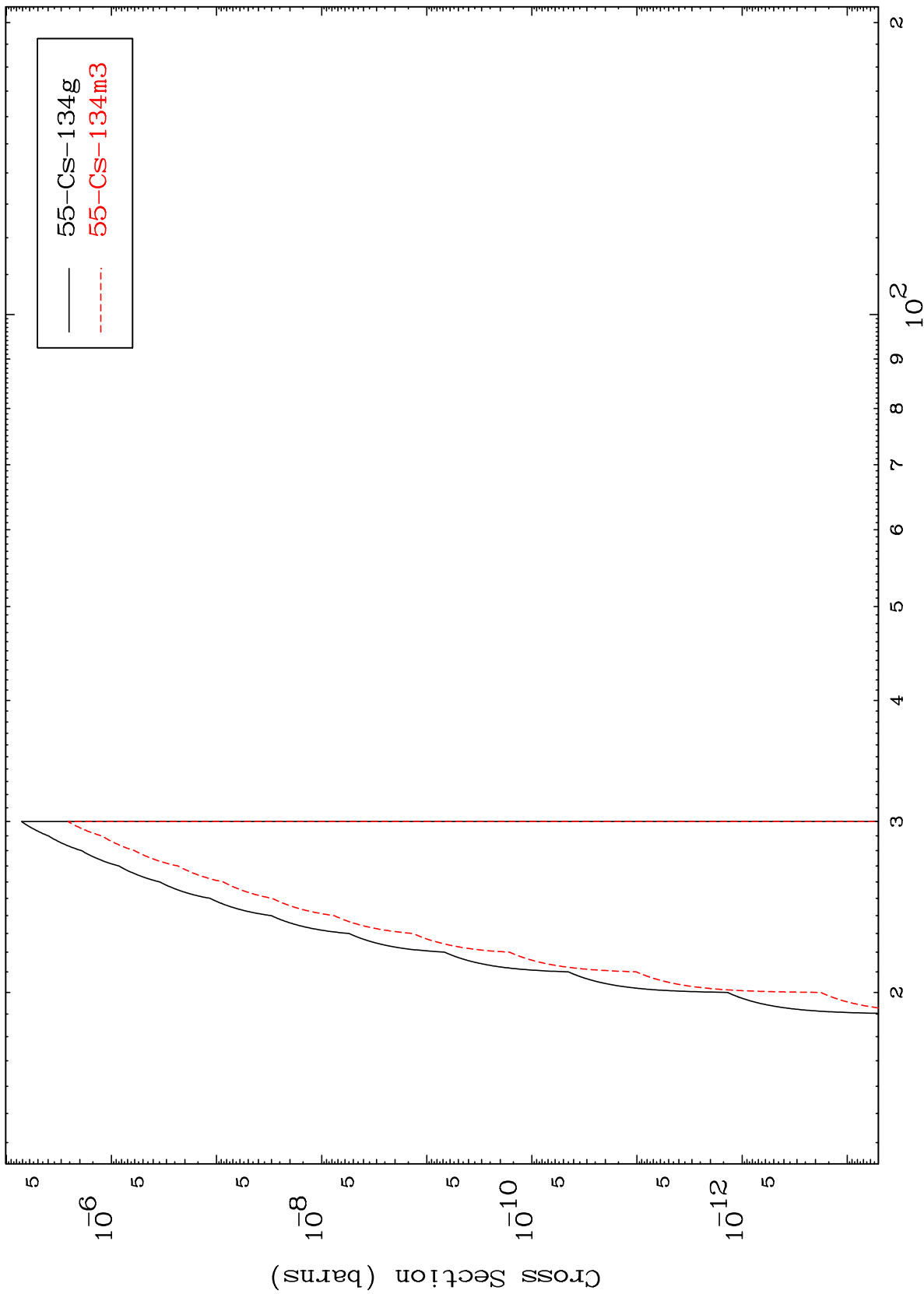
Incident Energy (MeV)

MAT 5719

(n,2n) p

57-La-136

Radionuclide Production Cross Section



132

Incident Energy (MeV)

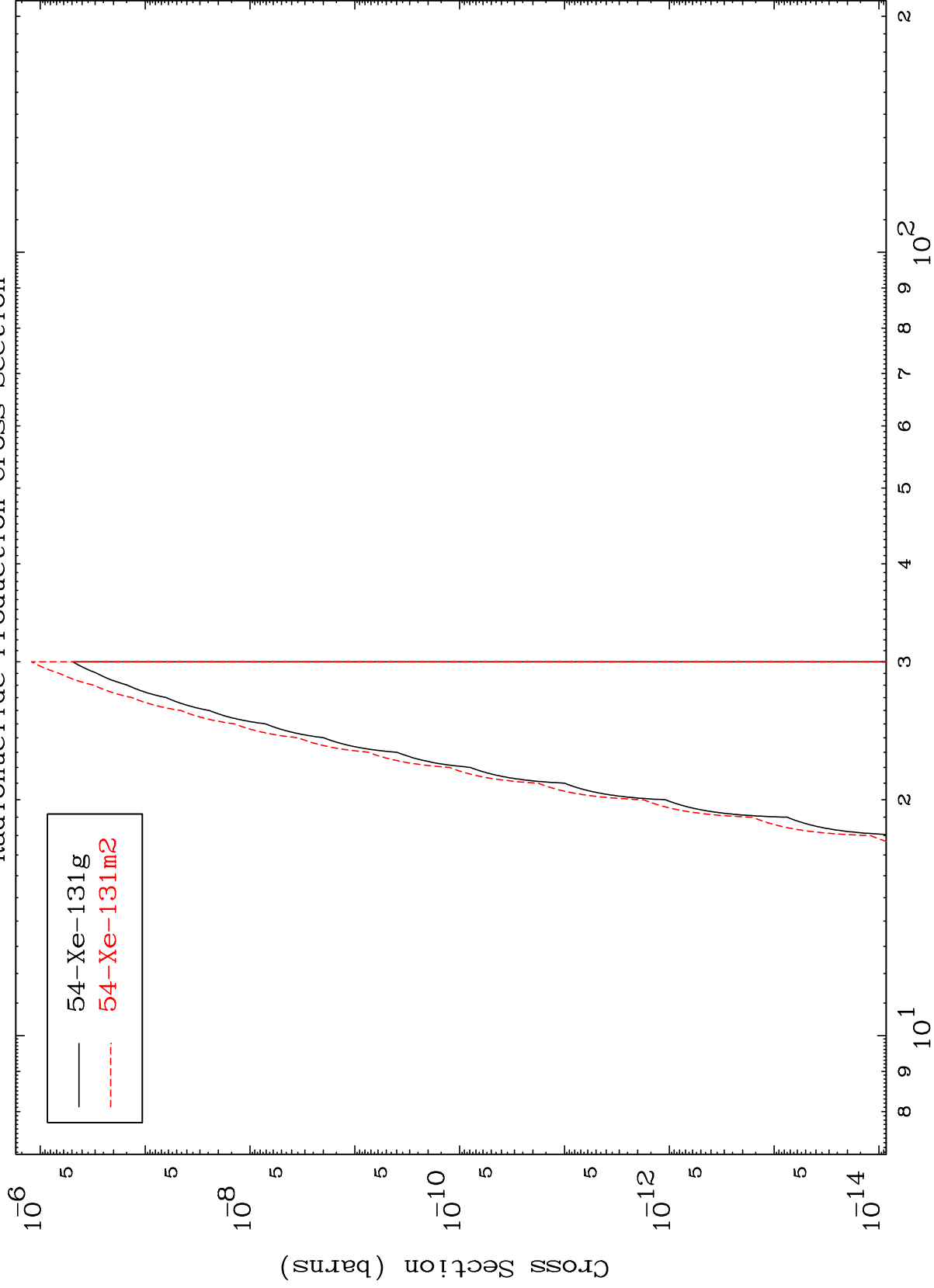
57-La-136

MAT 5719

(n,n') p  $\alpha$

57-La-136

Radionuclide Production Cross Section



133

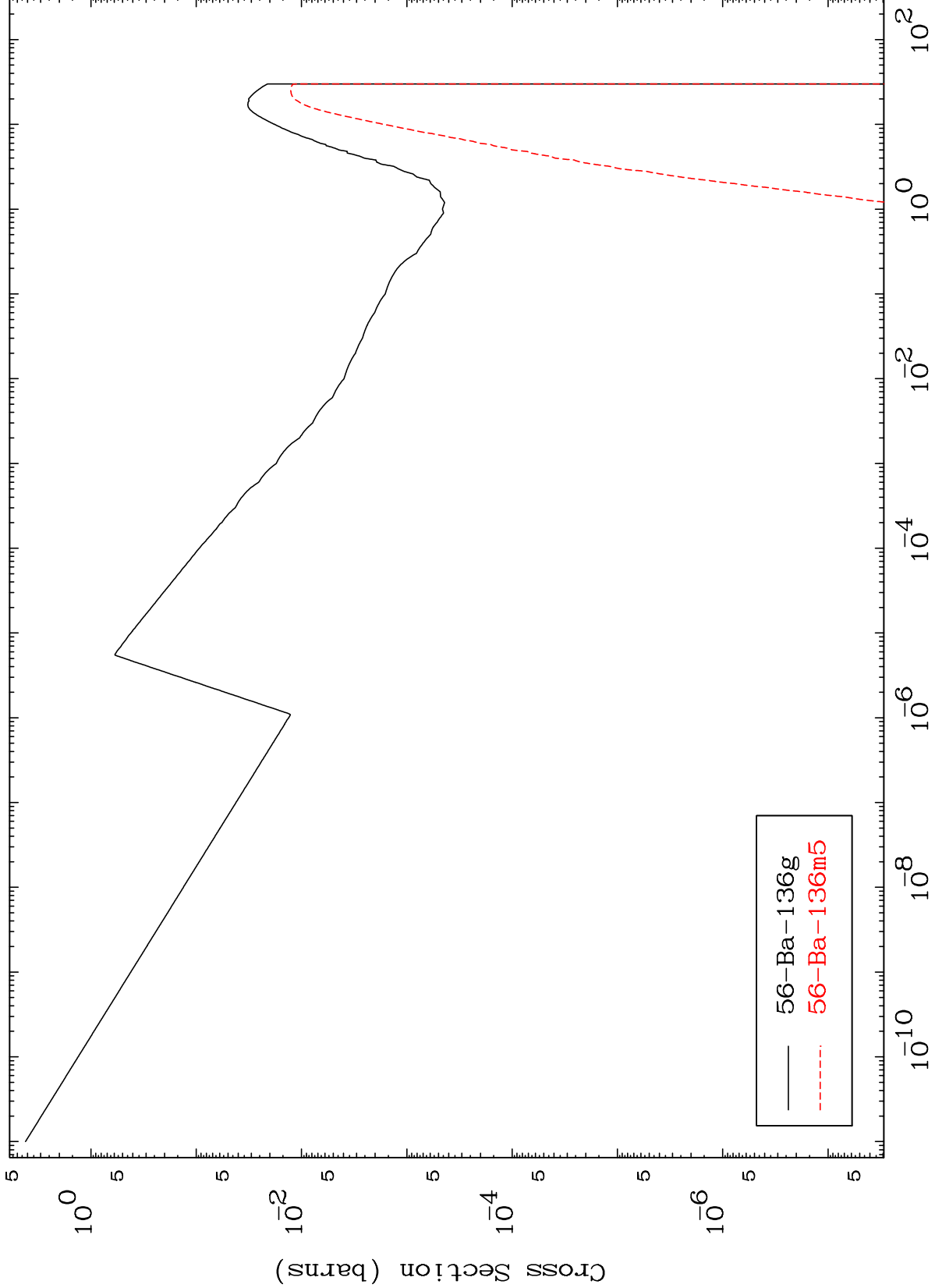
Incident Energy (MeV)

57-La-136

MAT 5719

57-La-136

(n,p)  
Radionuclide Production Cross Section



— 56-Ba-136g  
- - - 56-Ba-136m5

57-La-136

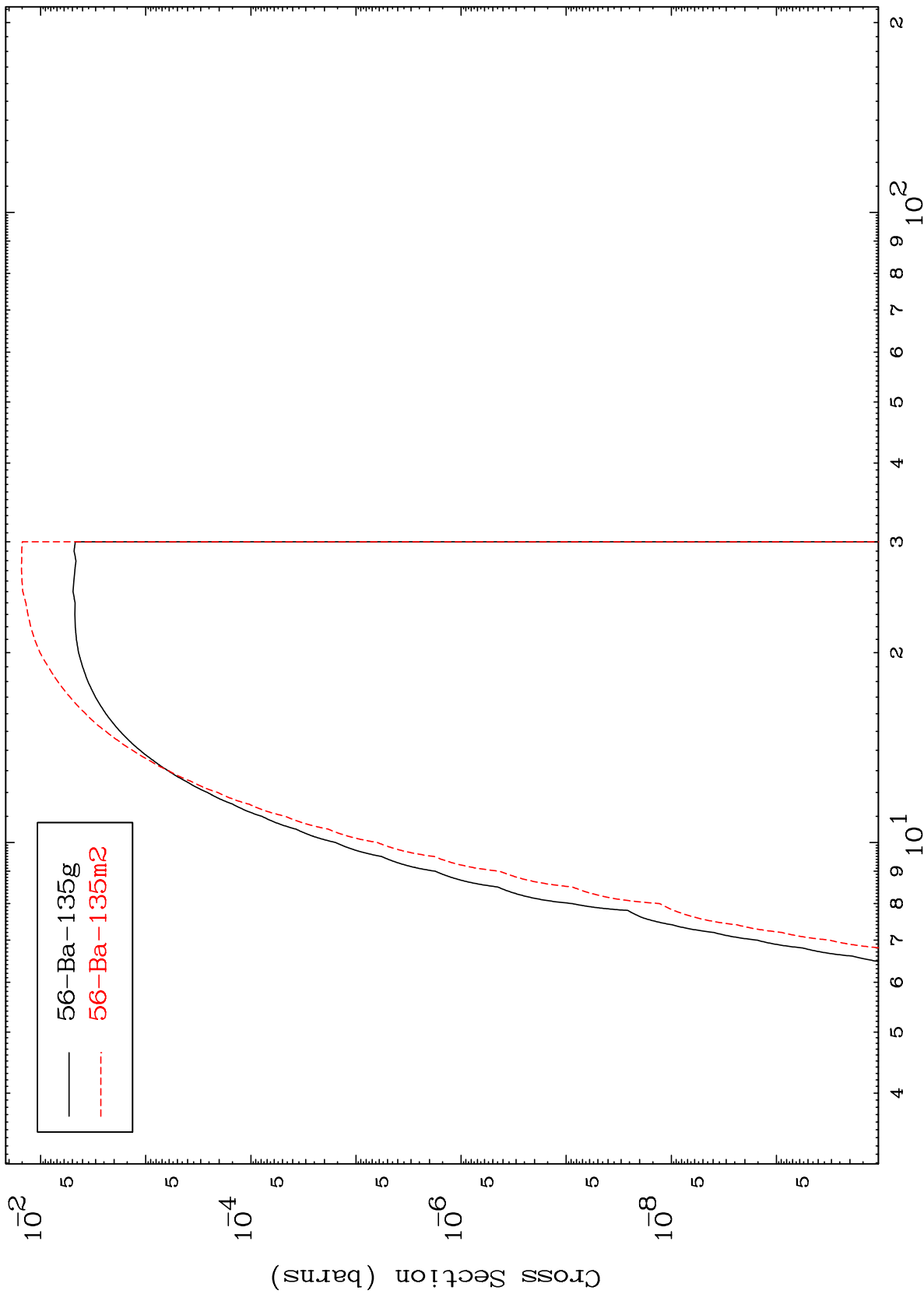
Incident Energy (MeV)

134

MAT 5719

57-La-136

(n,d)  
Radionuclide Production Cross Section



135

Incident Energy (MeV)

57-La-136

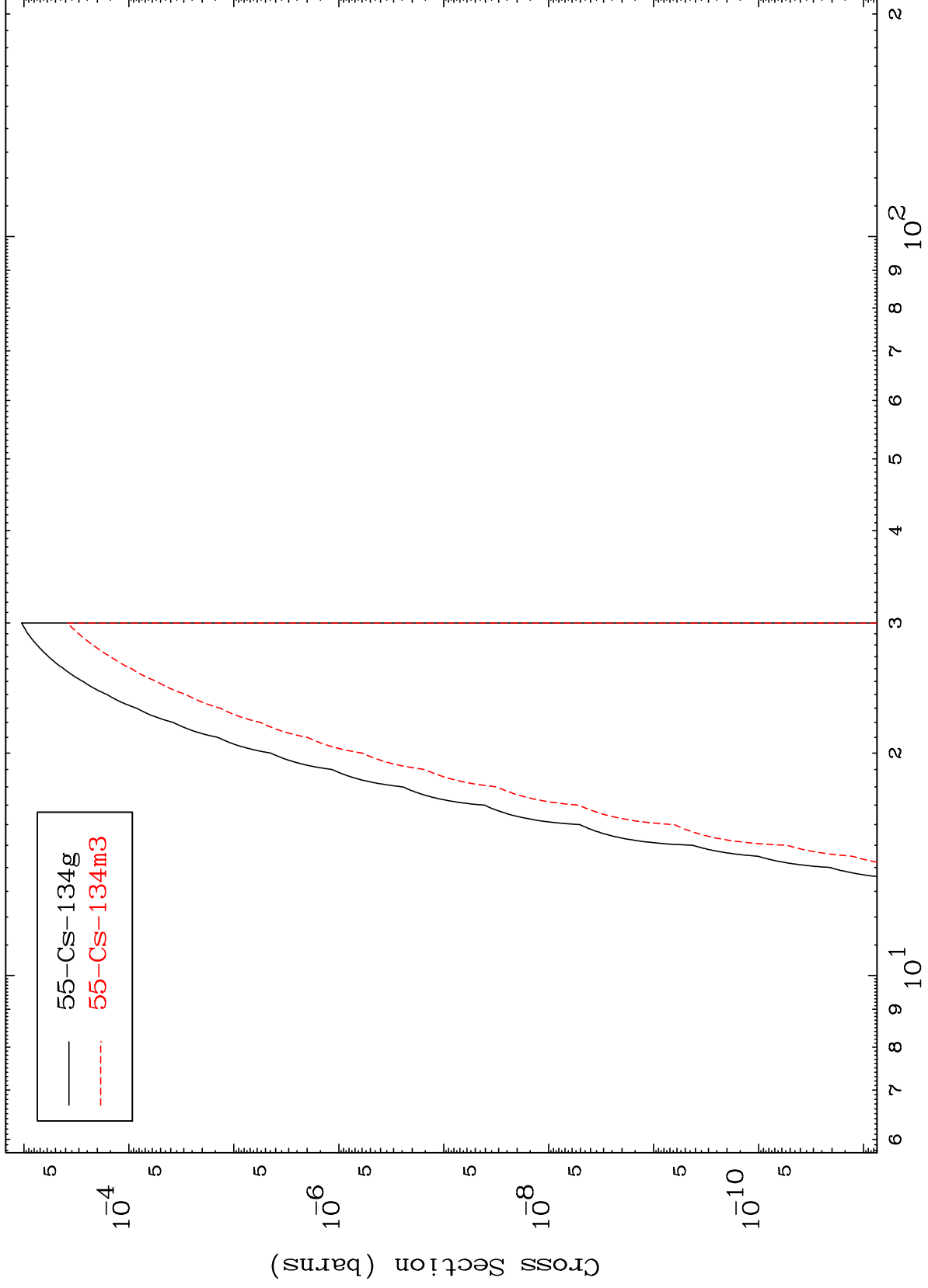


MAT 5719

(n,He-3)

57-La-136

Radionuclide Production Cross Section



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

136

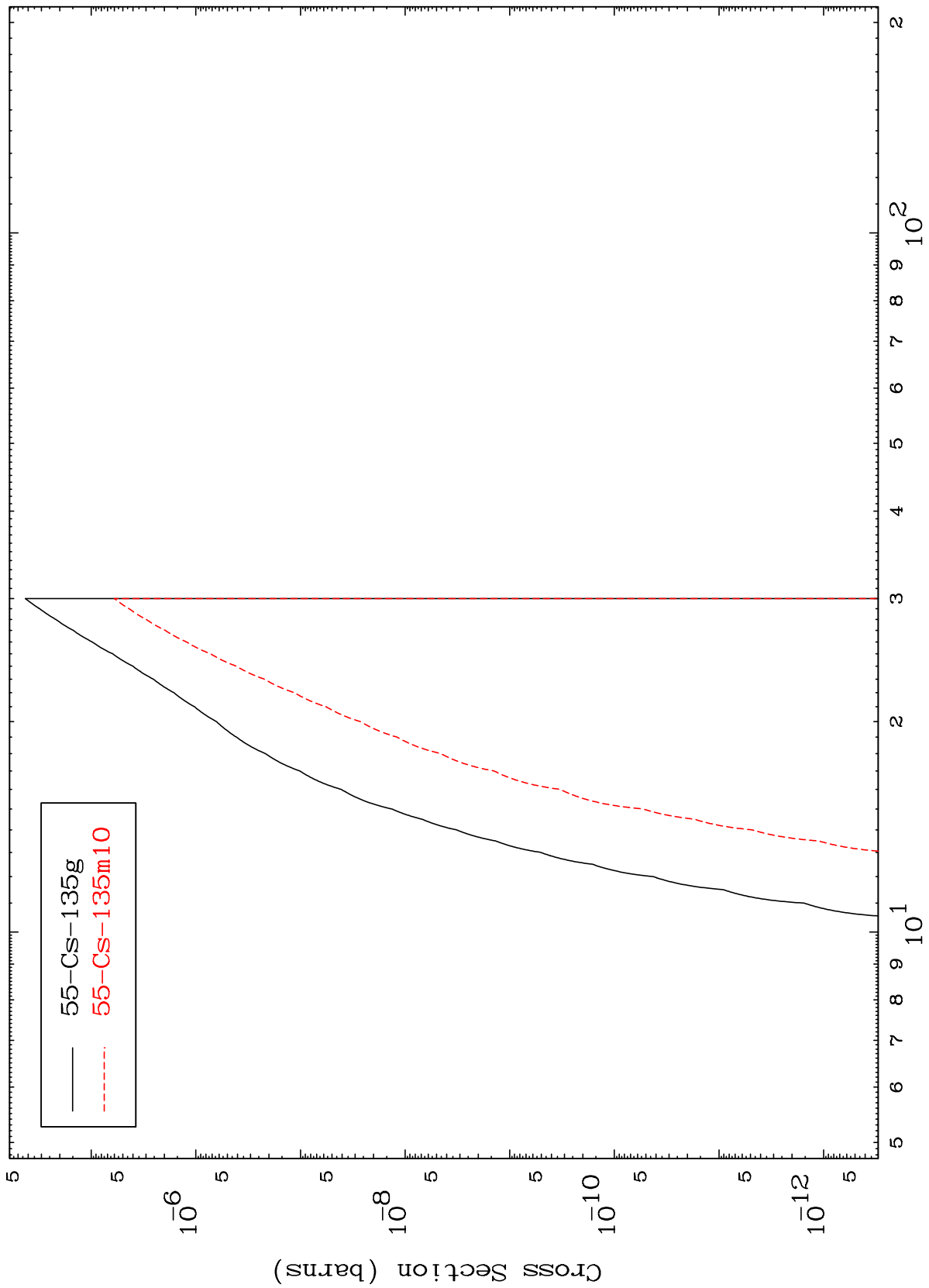
Incident Energy (MeV)

57-La-136

MAT 5719

57-La-136

(n,2p)  
Radionuclide Production Cross Section



137

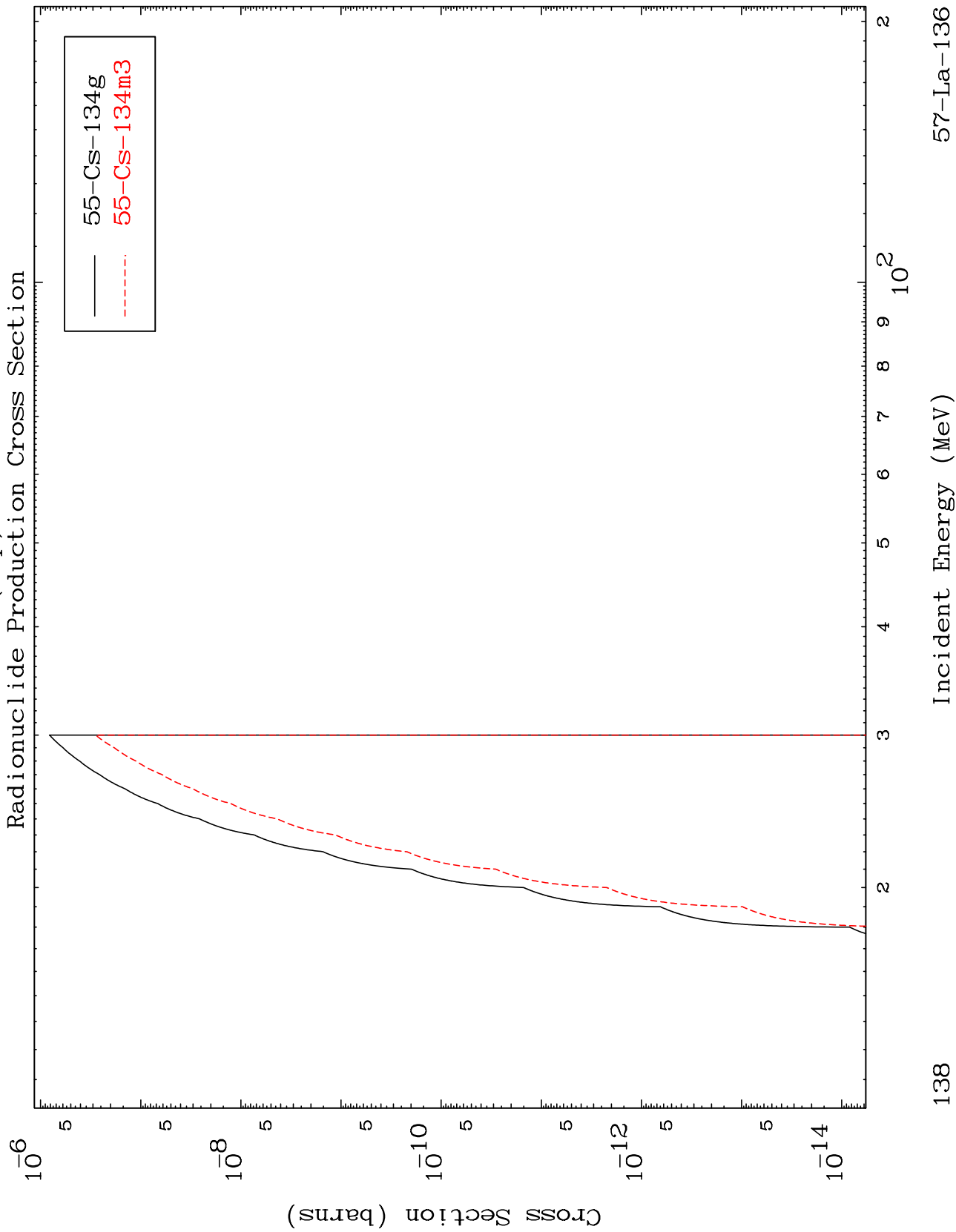
Incident Energy (MeV)

57-La-136

MAT 5719

(n,p) d

57-La-136



138

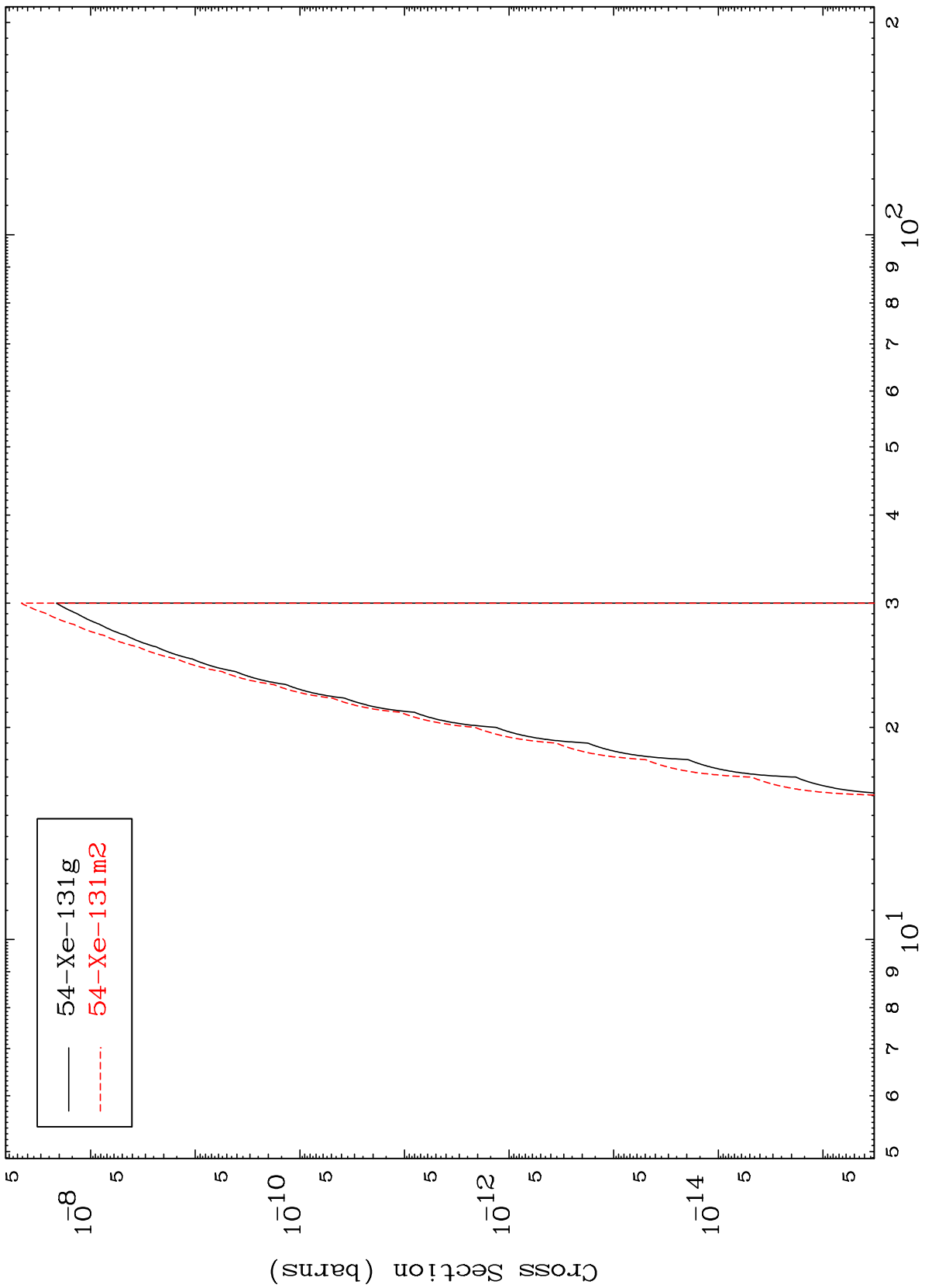
57-La-136

MAT 5719

(n,d)  $\alpha$

57-La-136

Radionuclide Production Cross Section



139

Incident Energy (MeV)

57-La-136