

Program EVALPLOT
(Version 2017-1)

by

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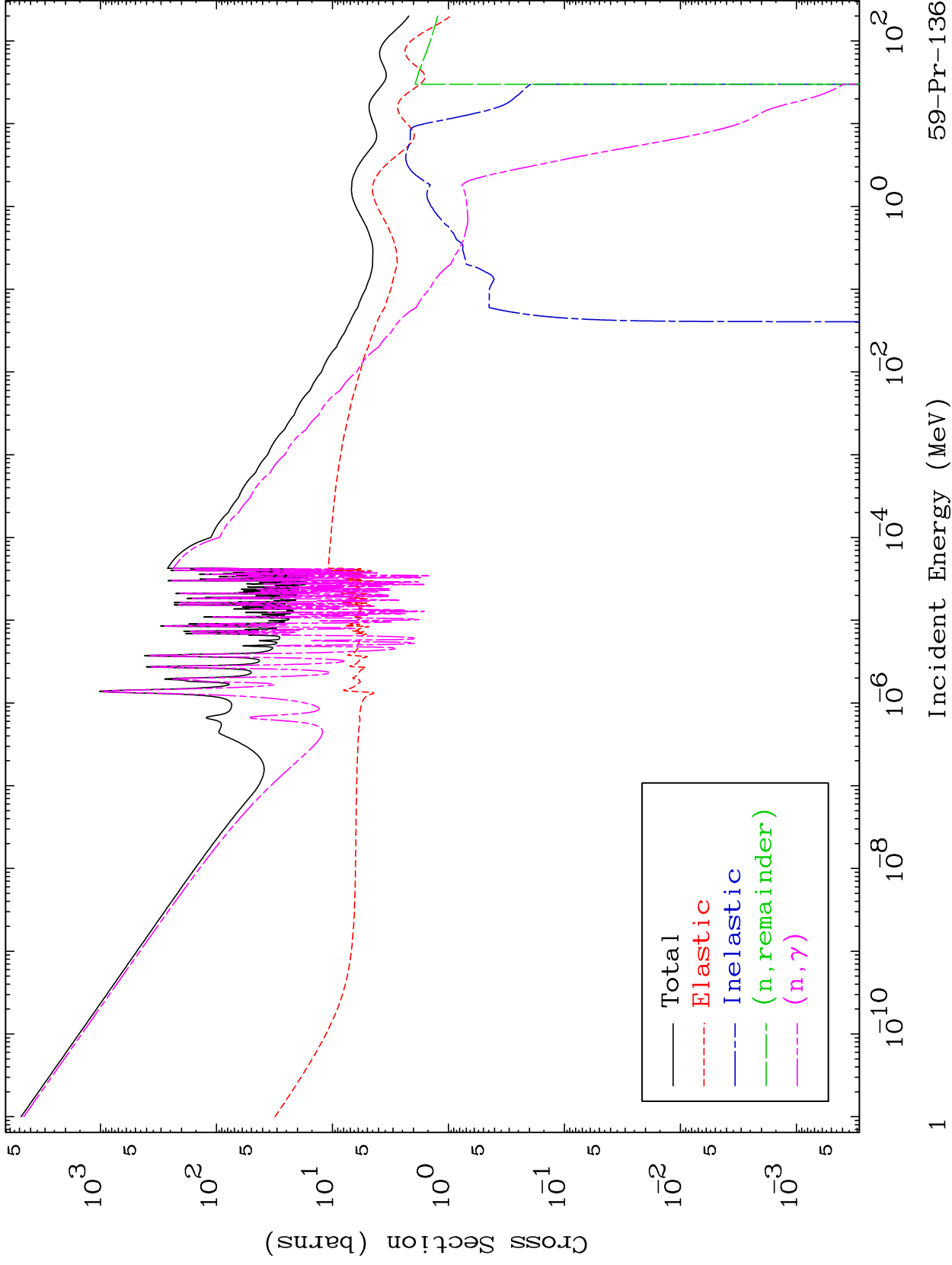
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5910

Major
293 Kelvin Cross Sections

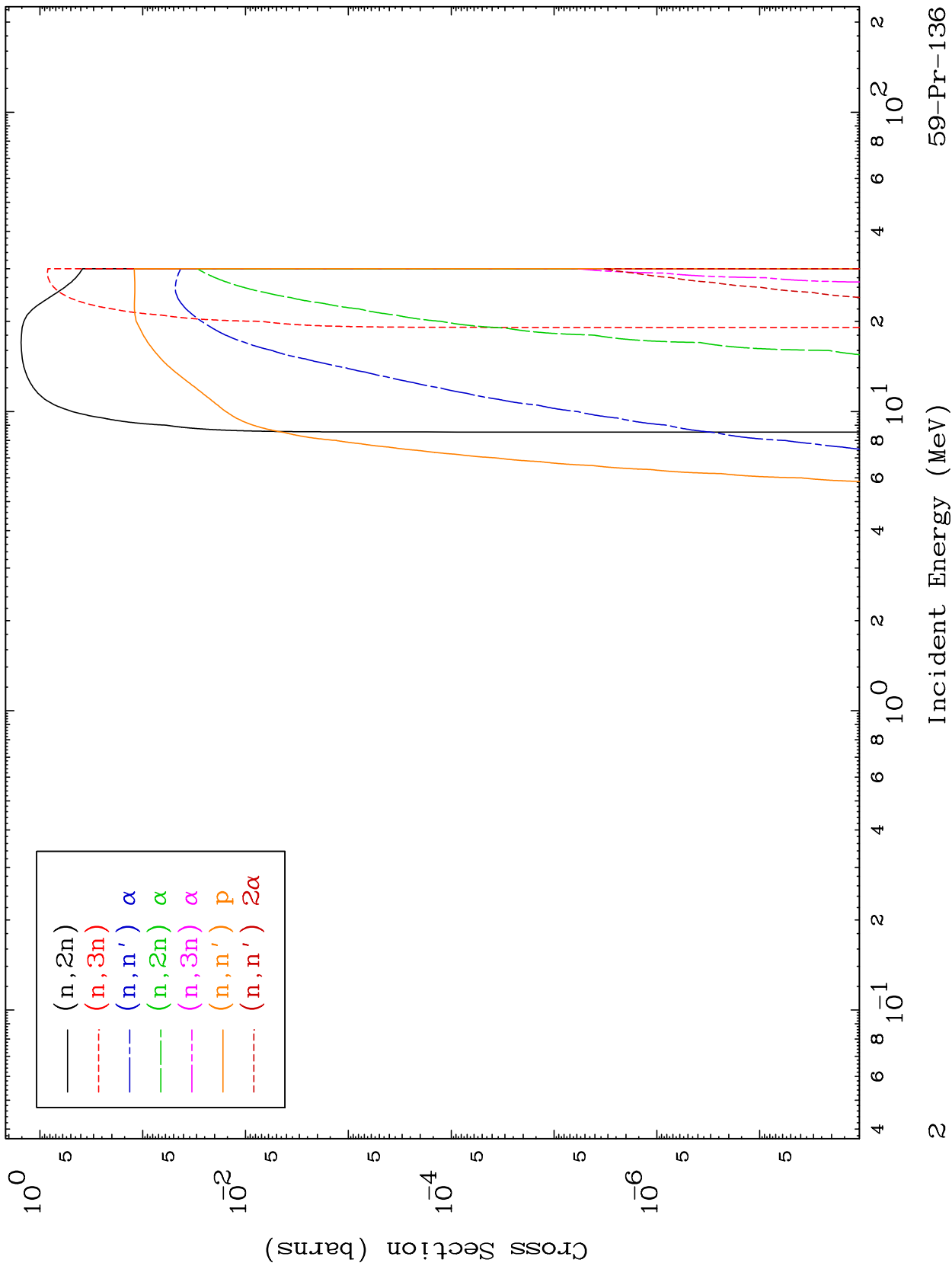
59-Pr-136

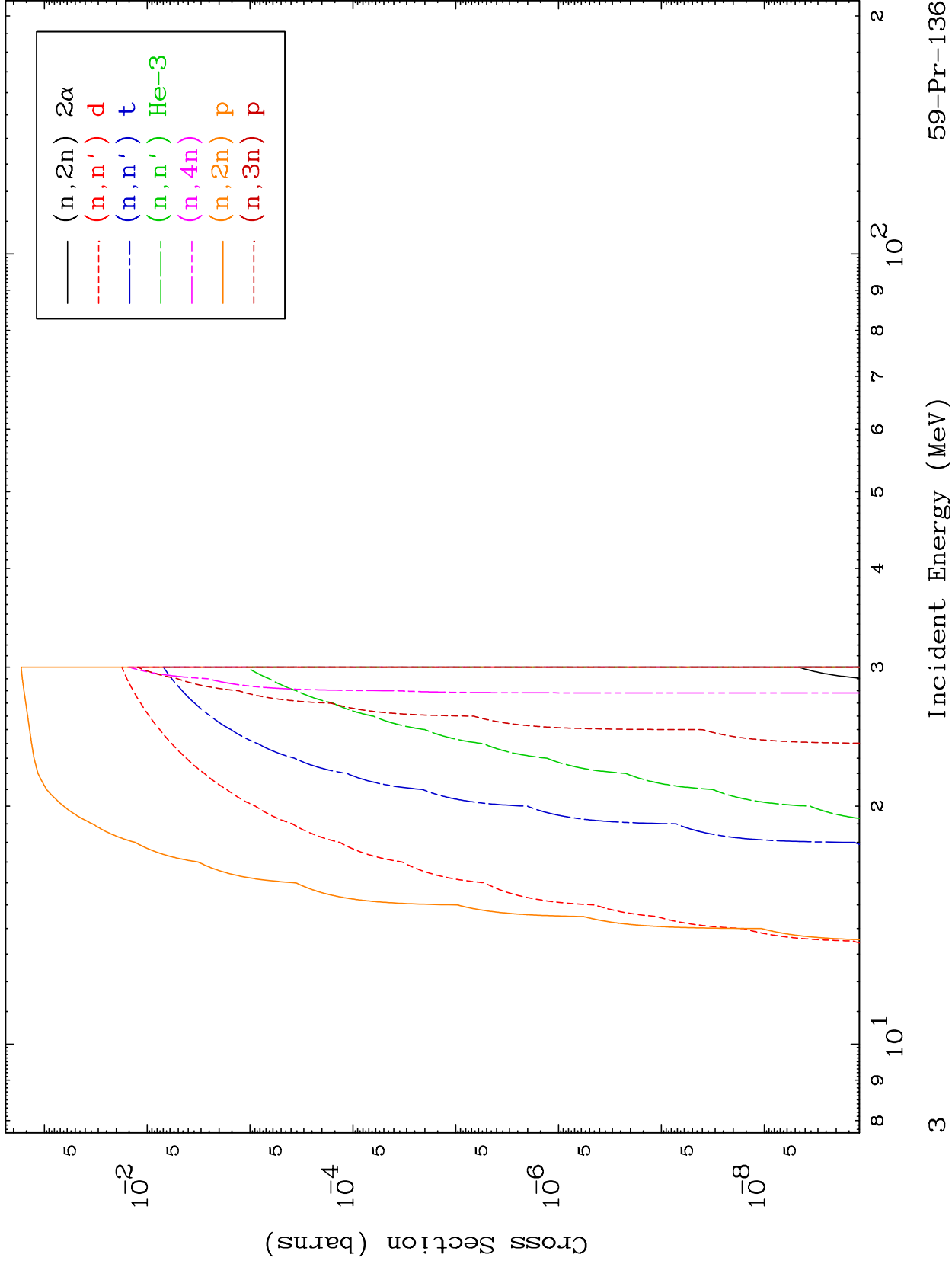


MAT 5910

Neutron Production
293 Kelvin Cross Sections

59-Pr-136

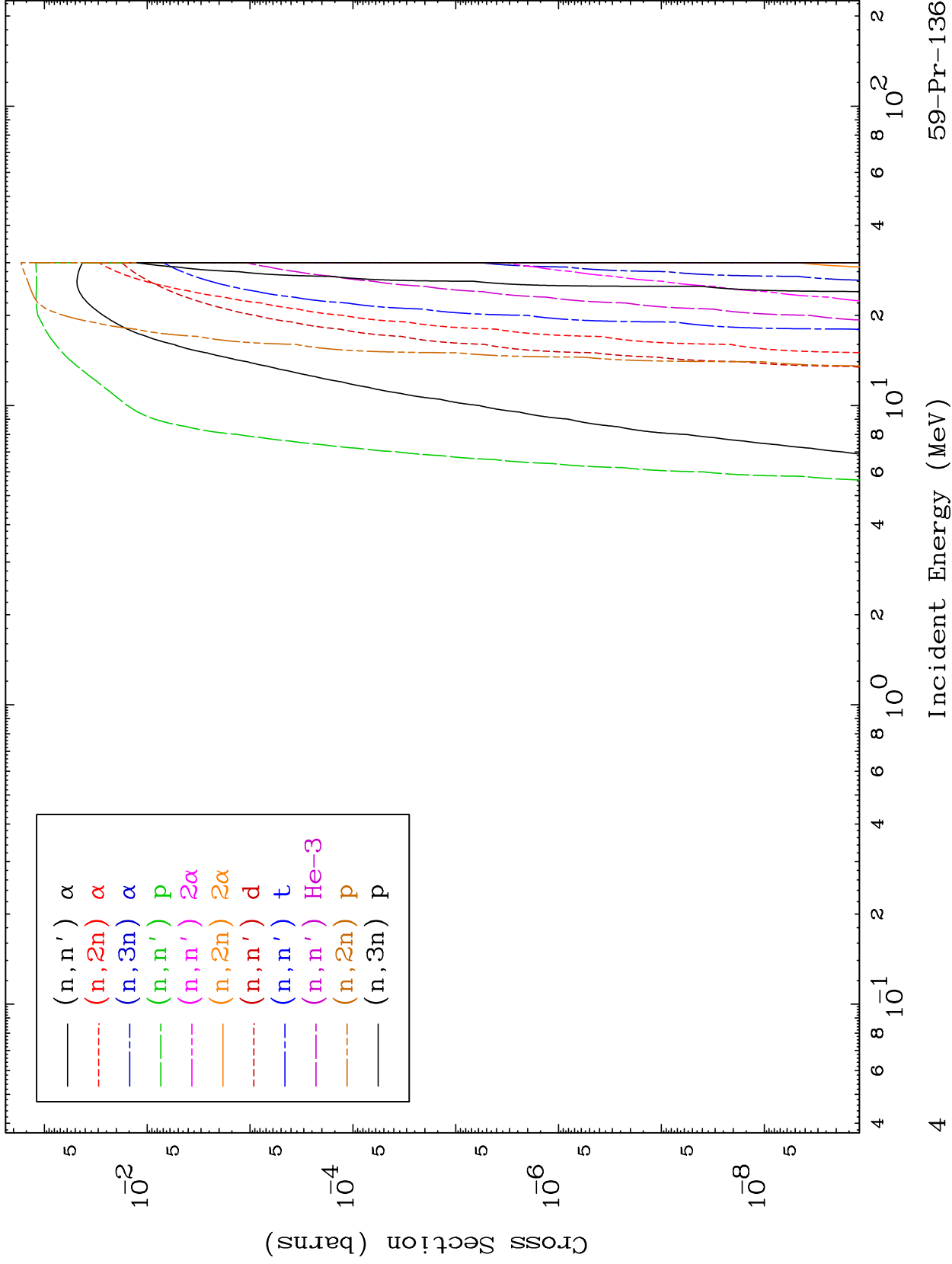




MAT 5910

Charged Particle
293 Kelvin Cross Sections

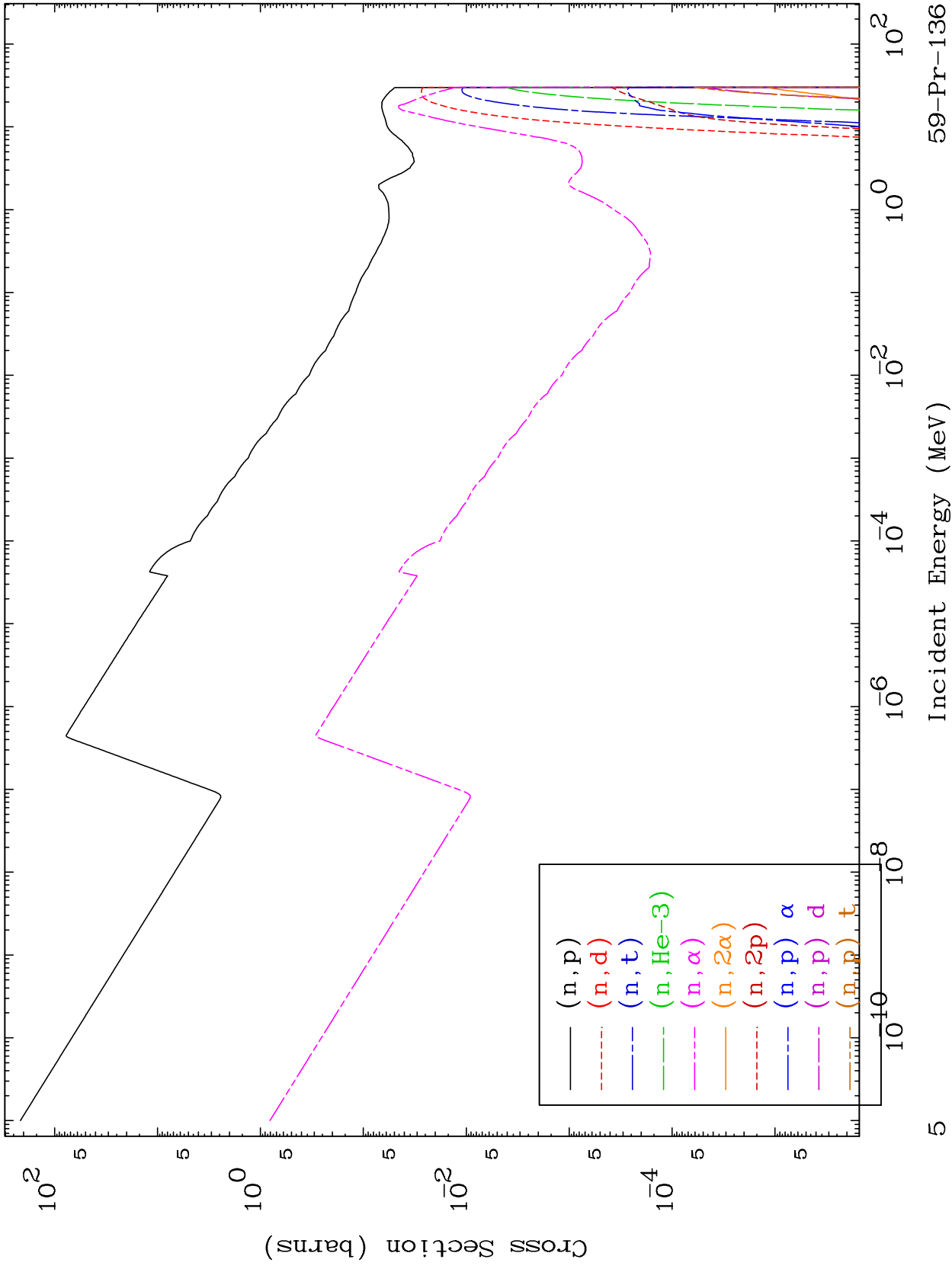
59-Pr-136



MAT 5910

Charged Particle
293 Kelvin Cross Sections

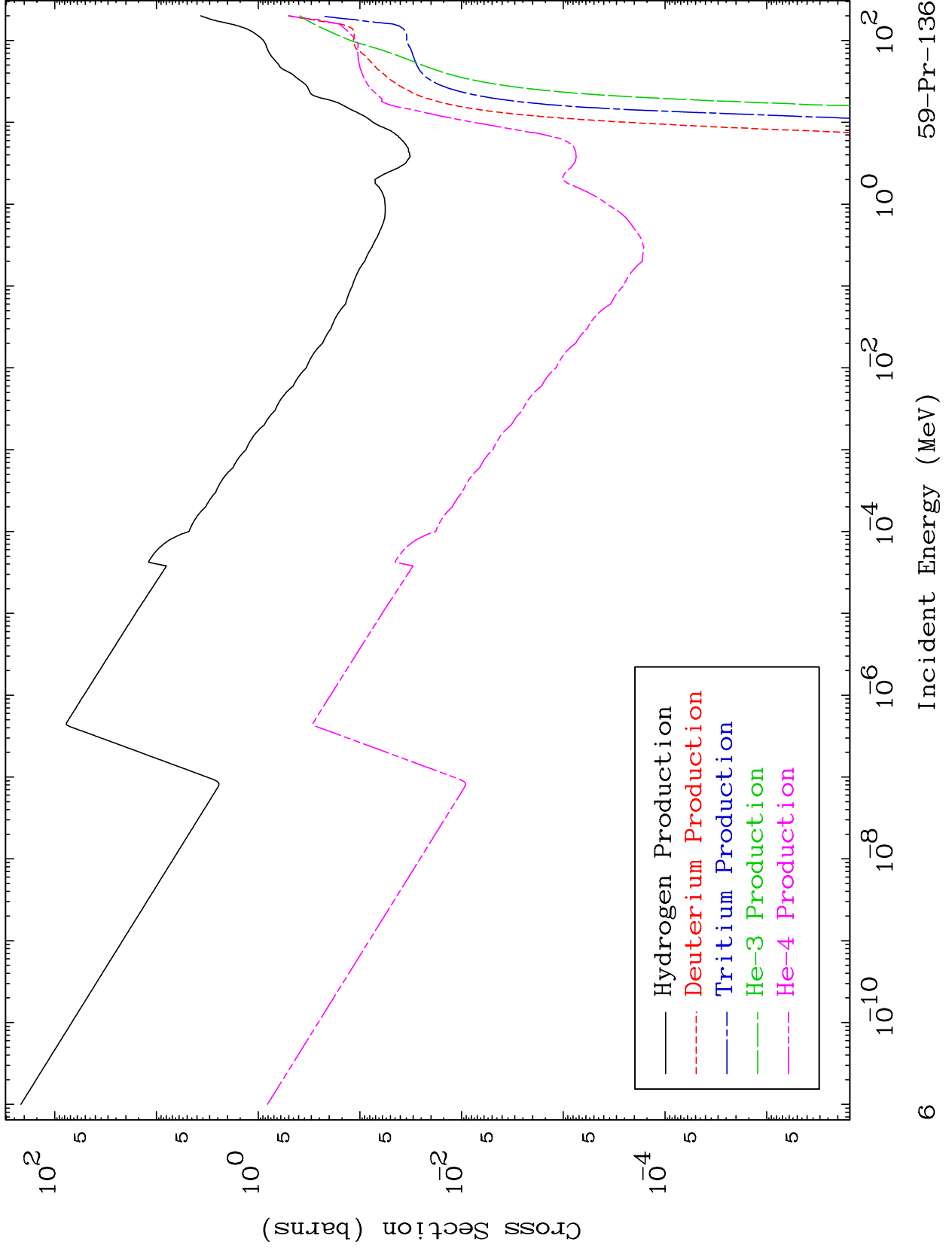
59-Pr-136

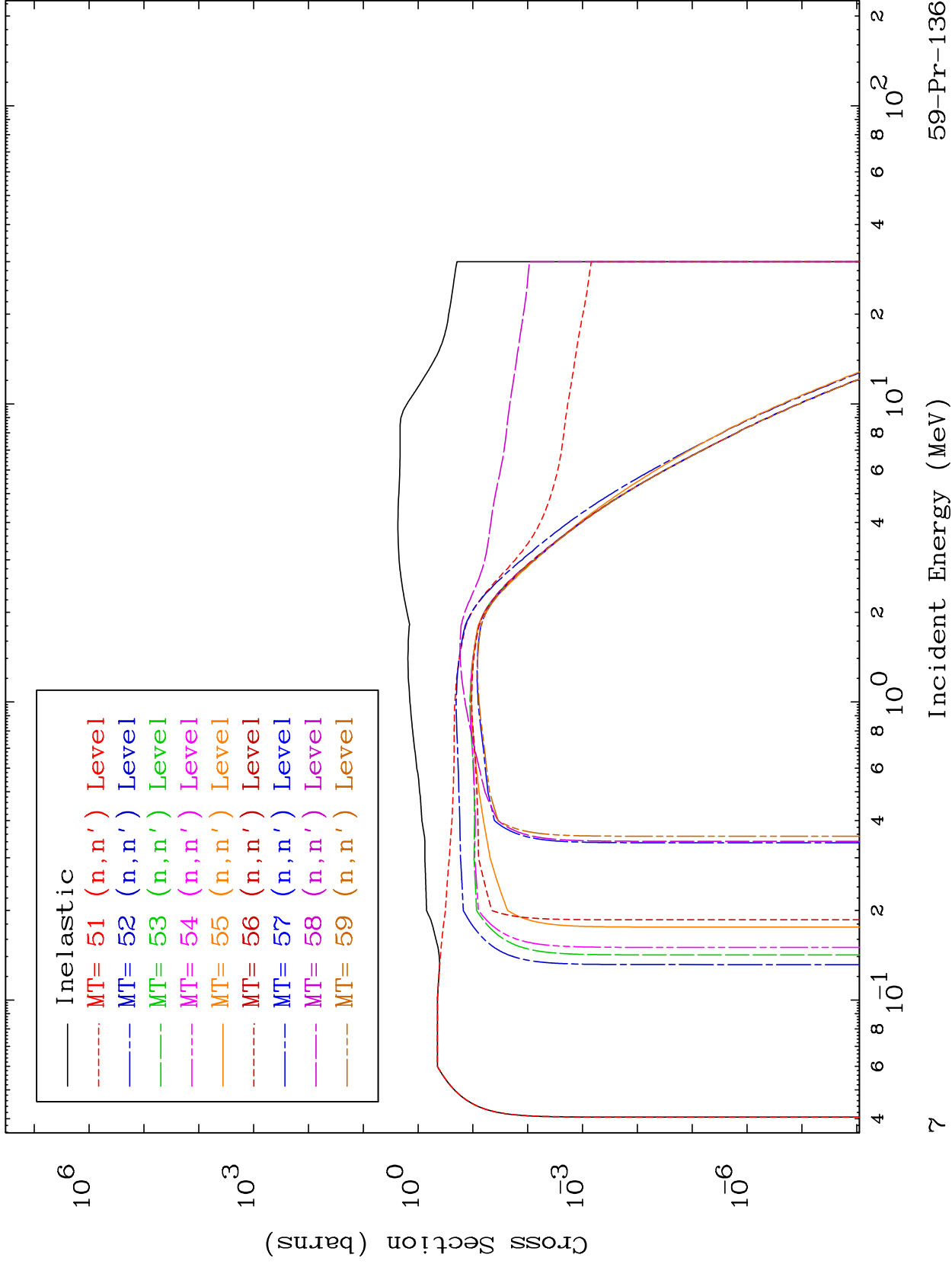


MAT 5910

Particle Production
293 Kelvin Cross Sections

59-Pr-136



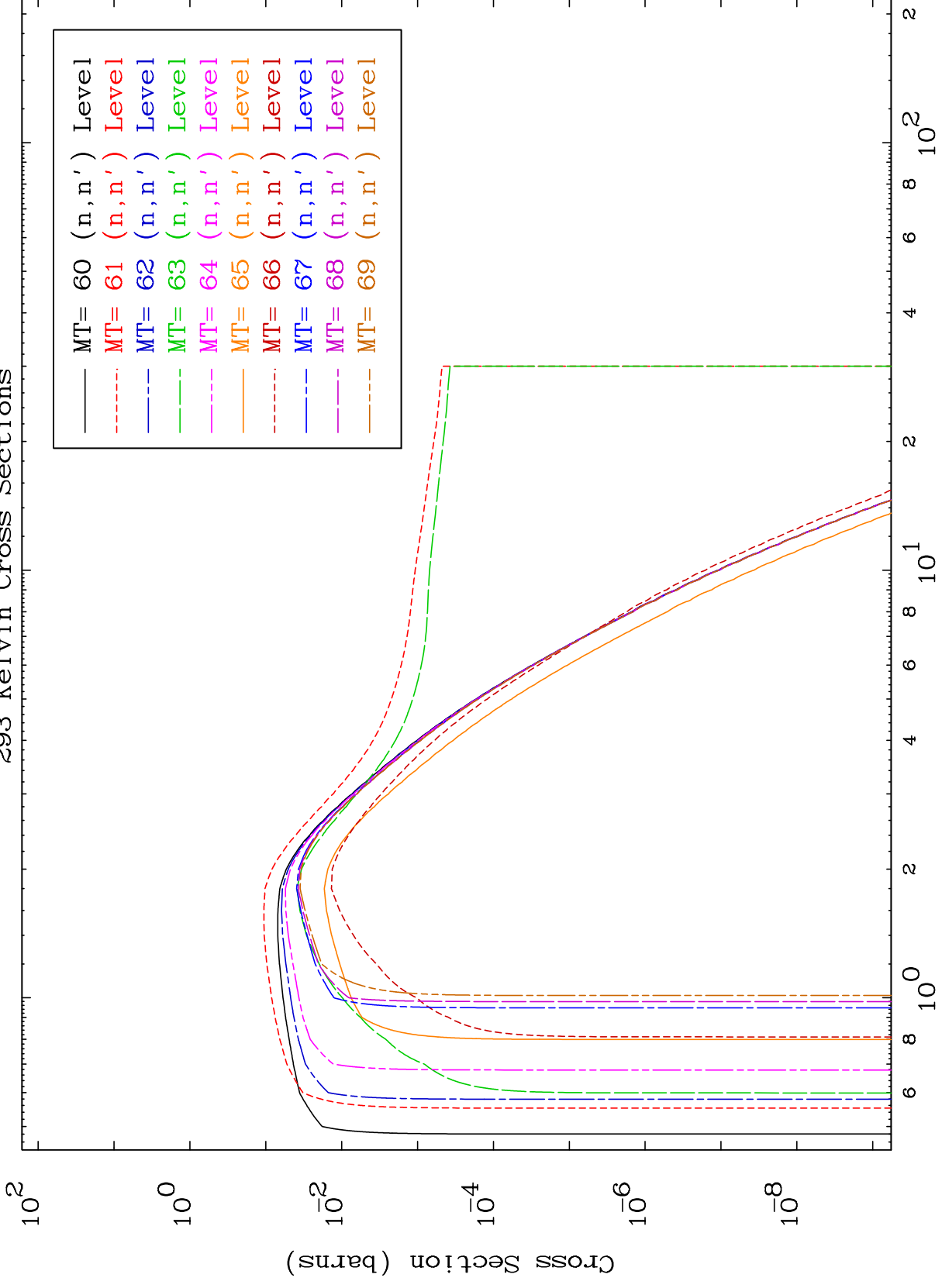


MAT 5910

(n,n') Level

59-Pr-136

293 Kelvin Cross Sections

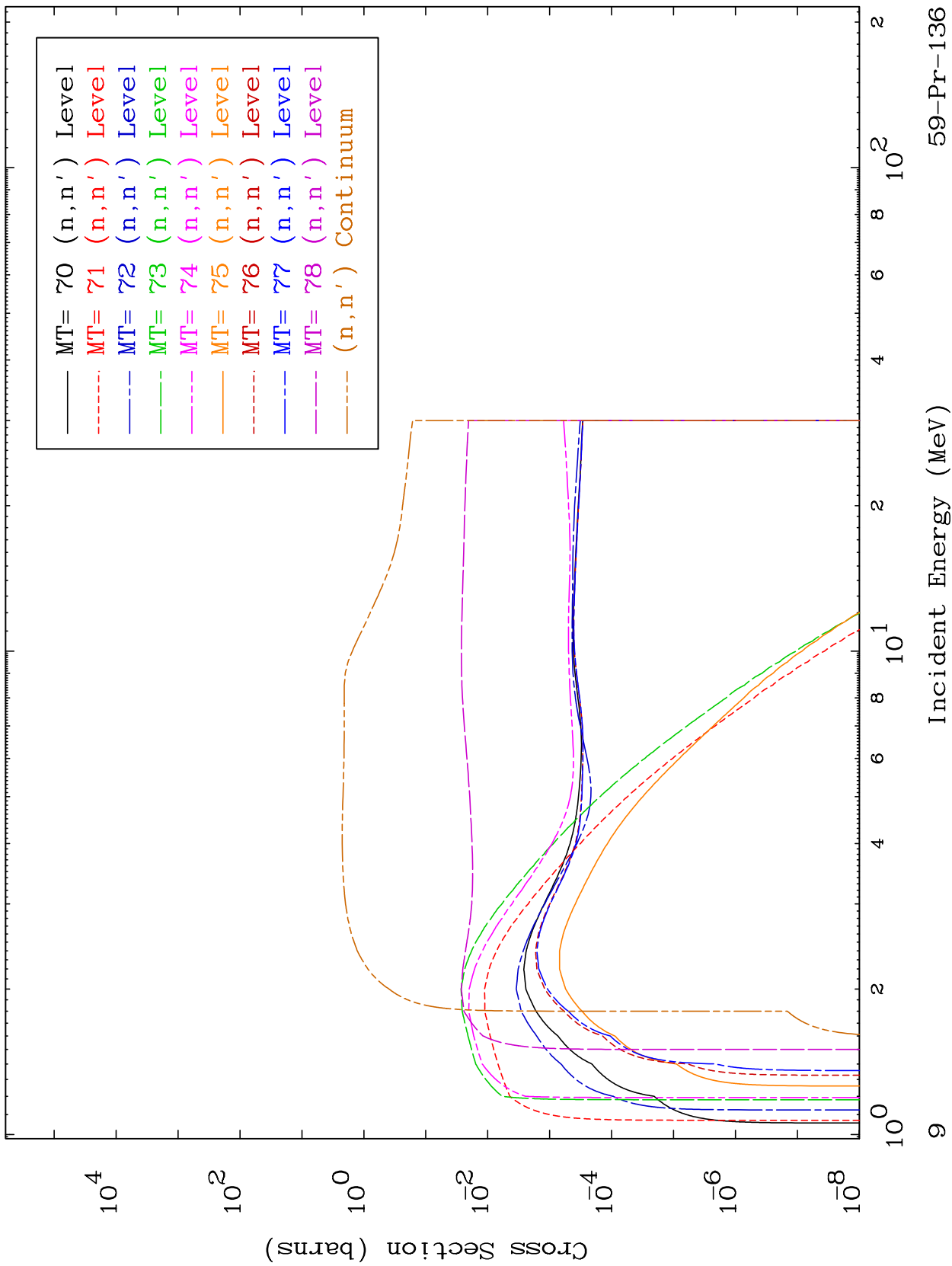


8

Incident Energy (MeV)

59-Pr-136

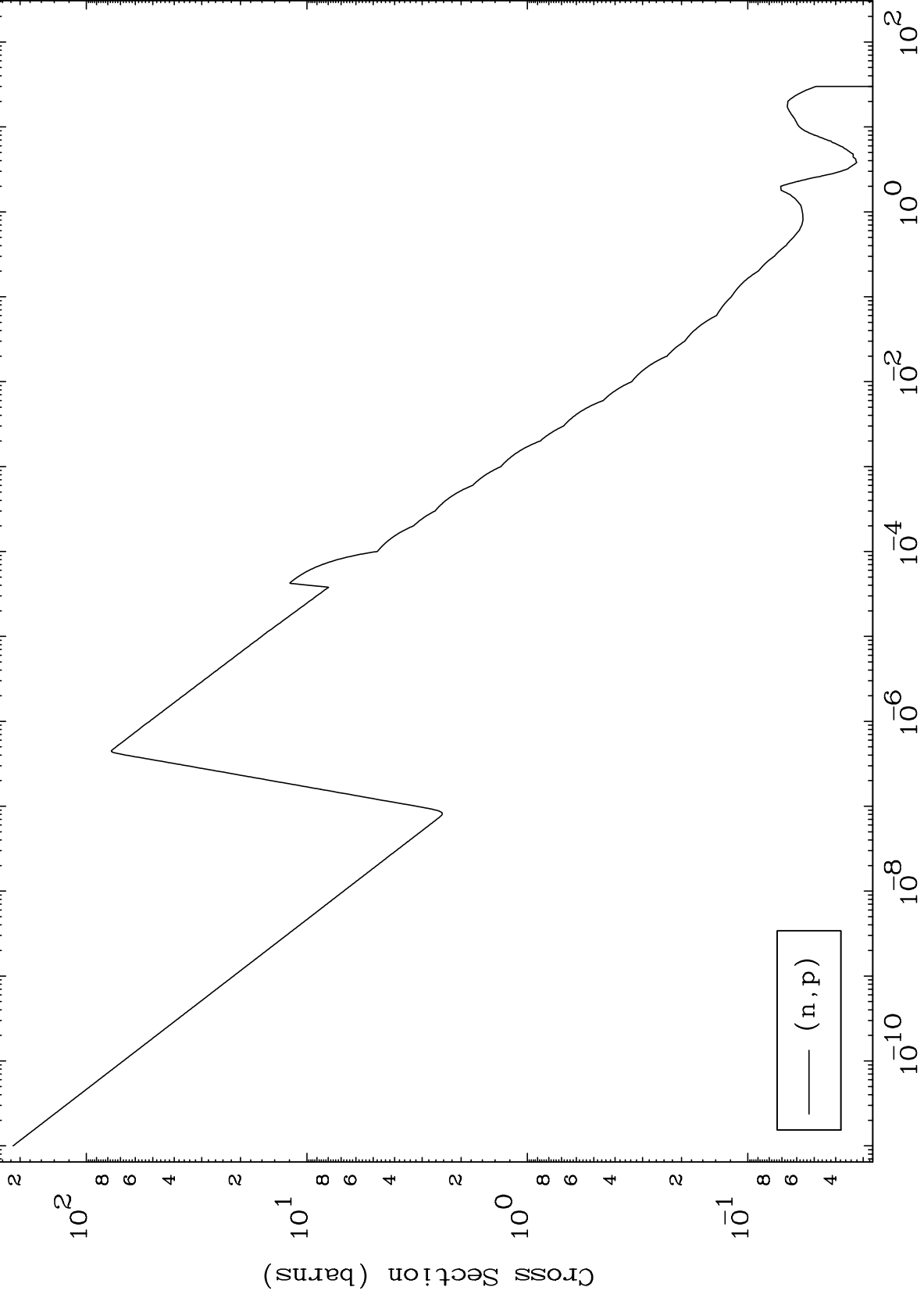
293 Kelvin Cross Sections



MAT 5910

(n,p) Levels
293 Kelvin Cross Sections

59-Pr-136



10

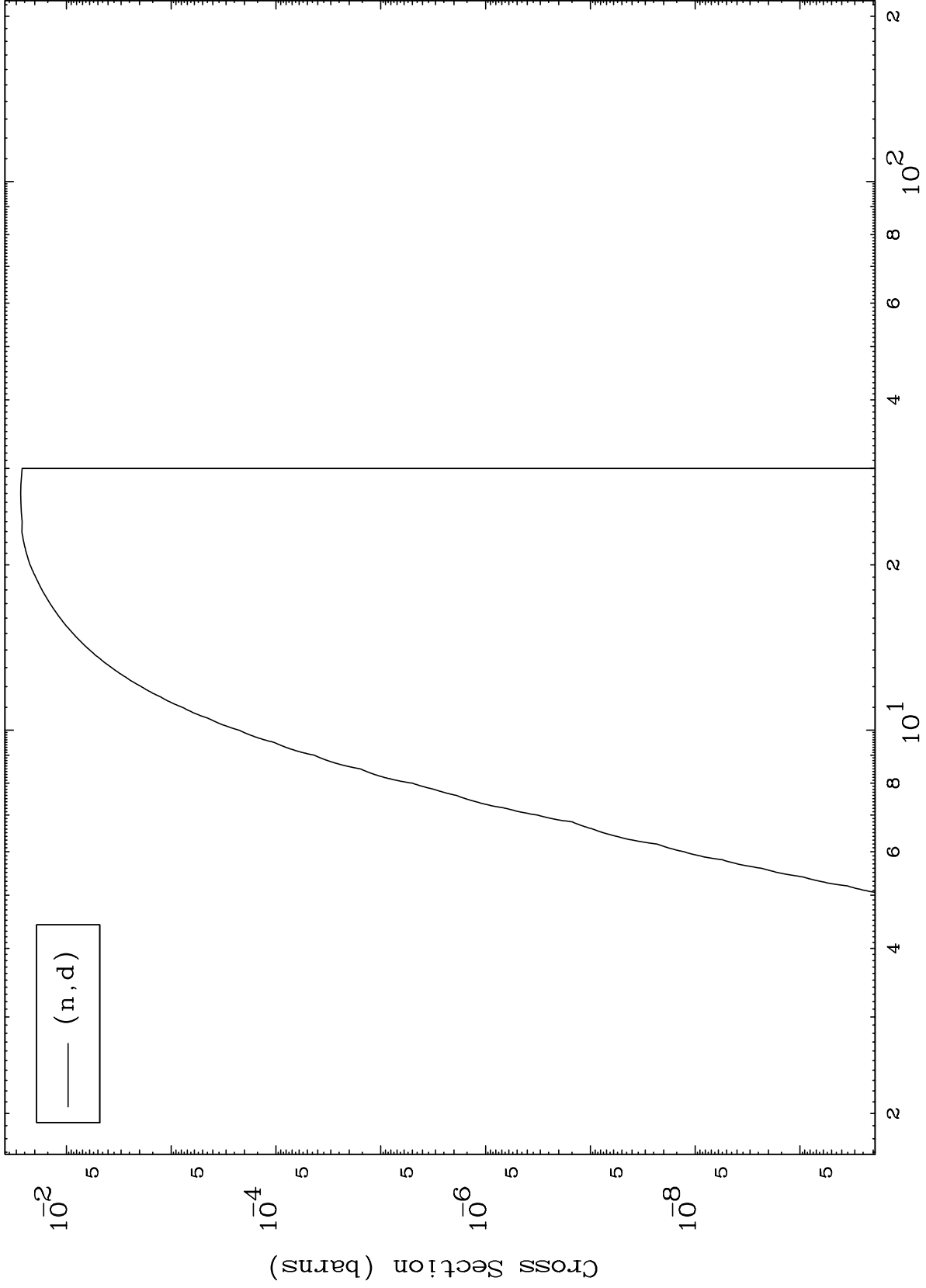
Incident Energy (MeV)

59-Pr-136

MAT 5910

(n,d) Levels
293 Kelvin Cross Sections

59-Pr-136



11

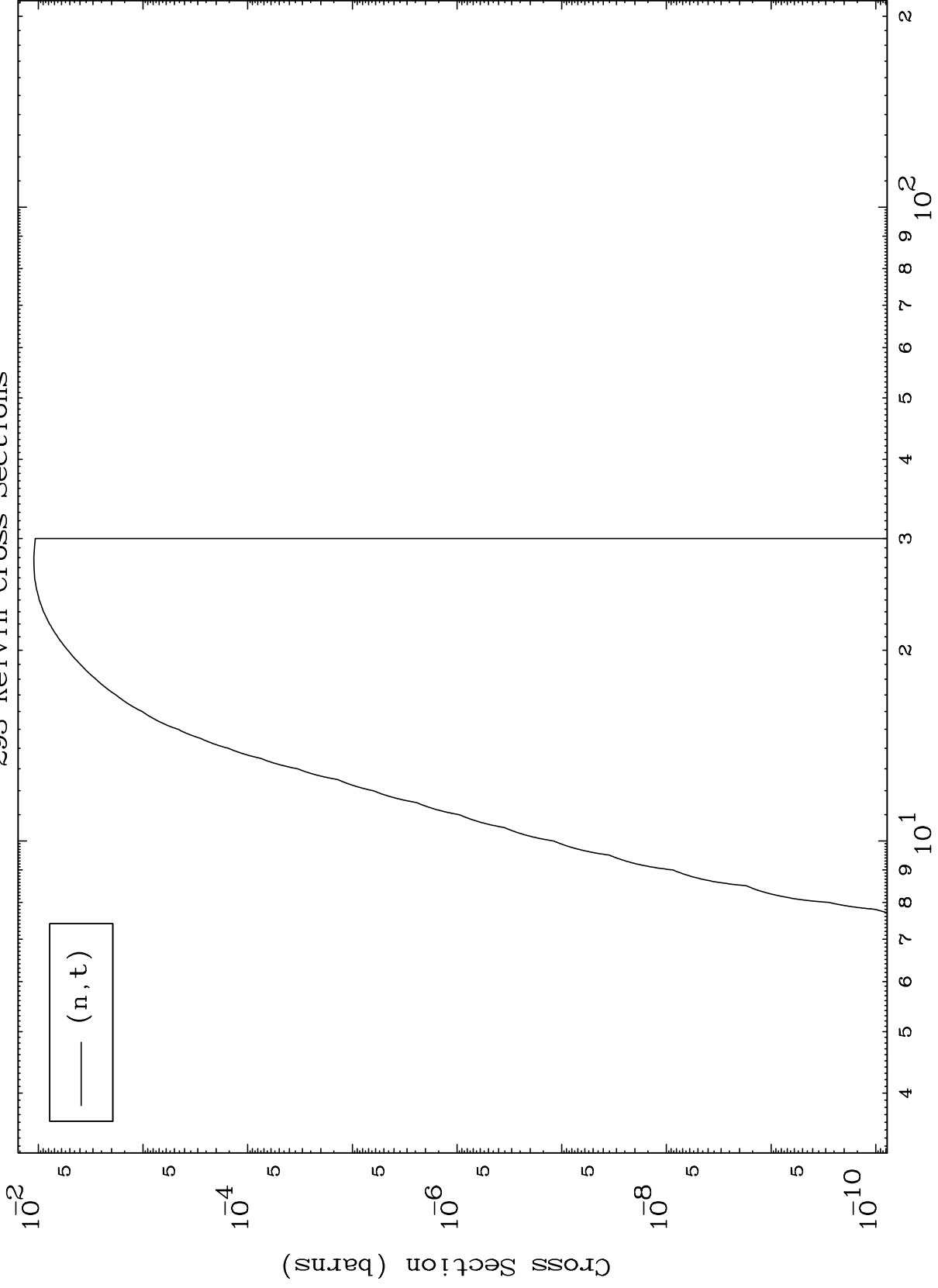
Incident Energy (MeV)

59-Pr-136

MAT 5910

(n,t) Levels
293 Kelvin Cross Sections

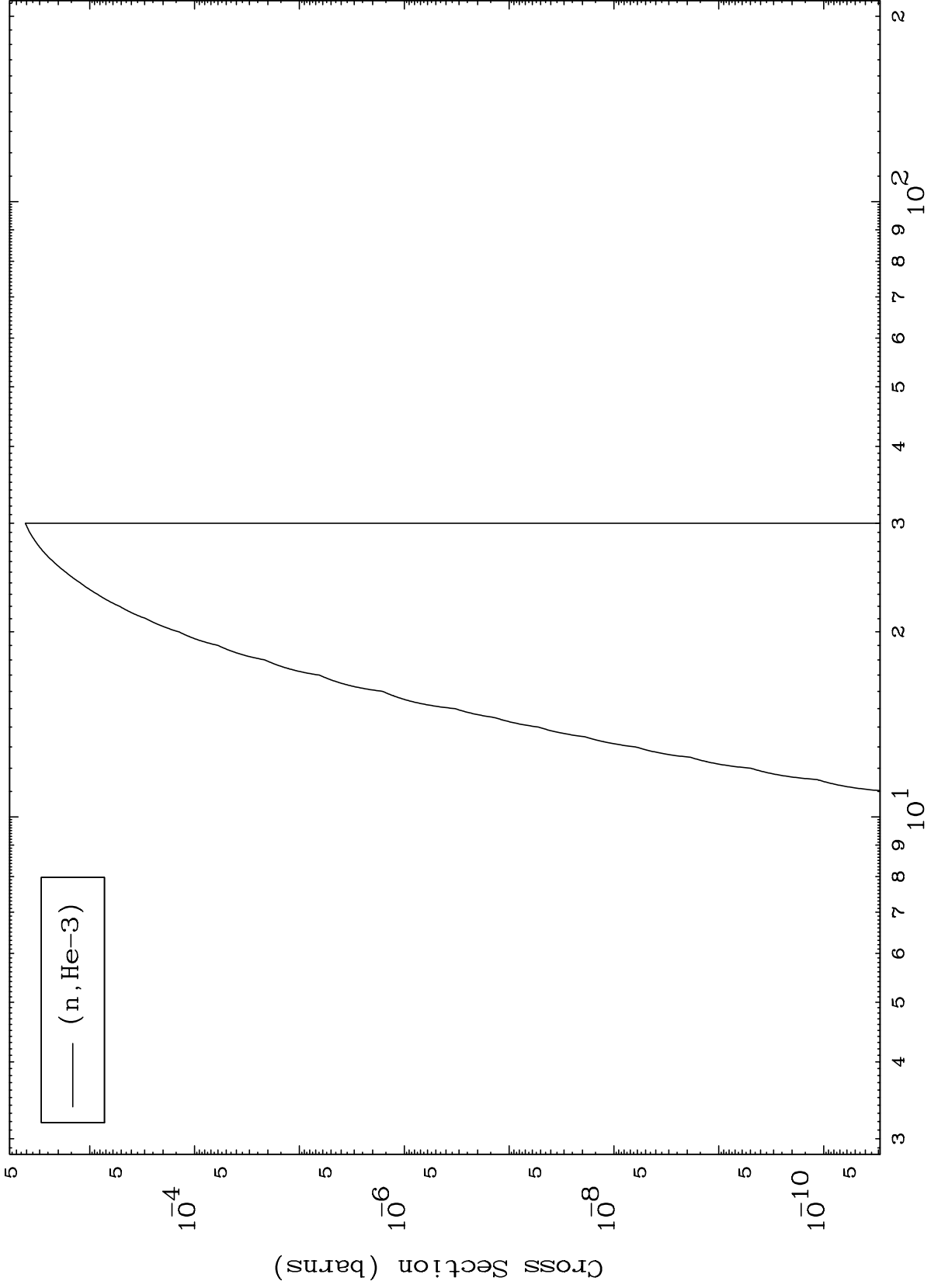
59-Pr-136



12

Incident Energy (MeV)

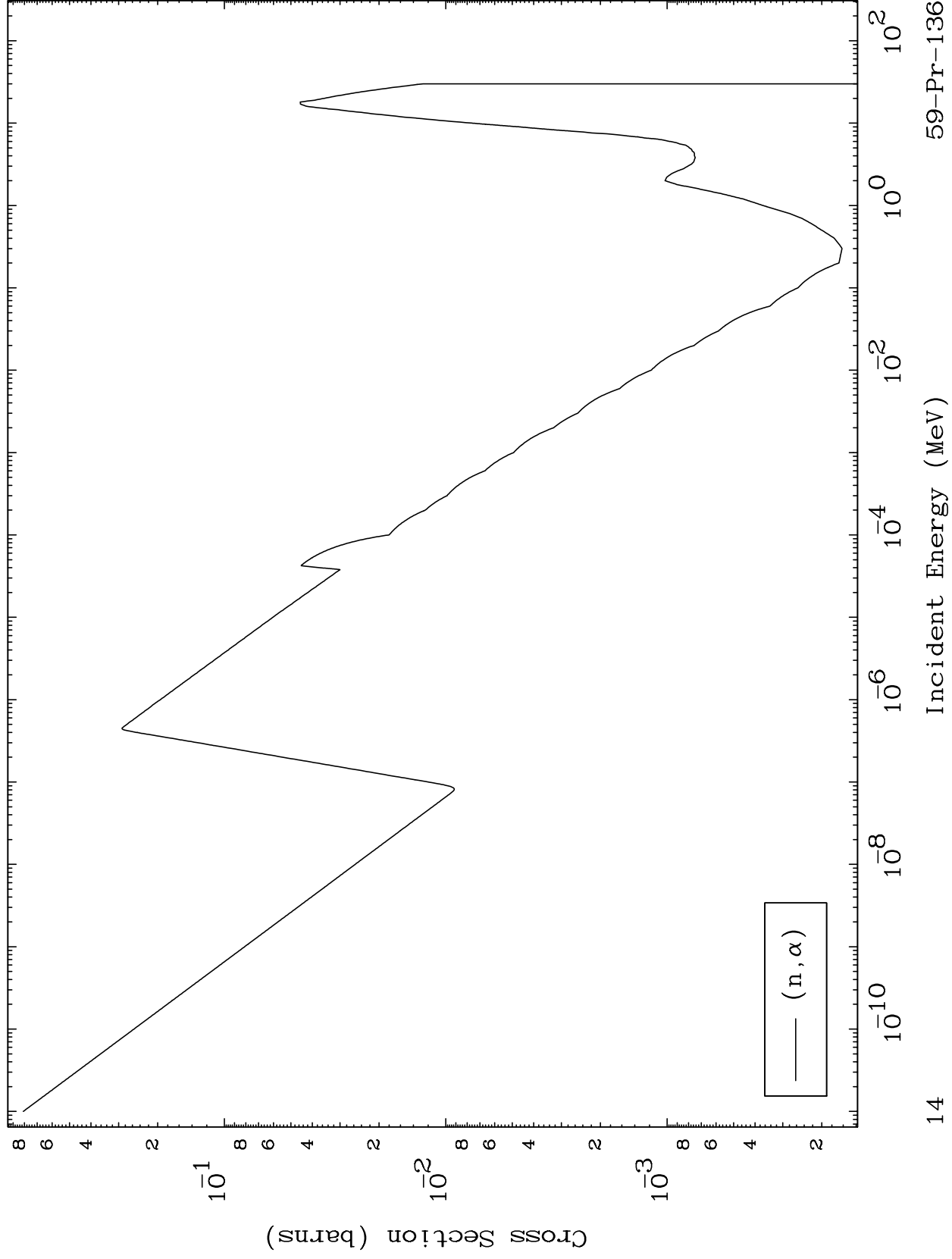
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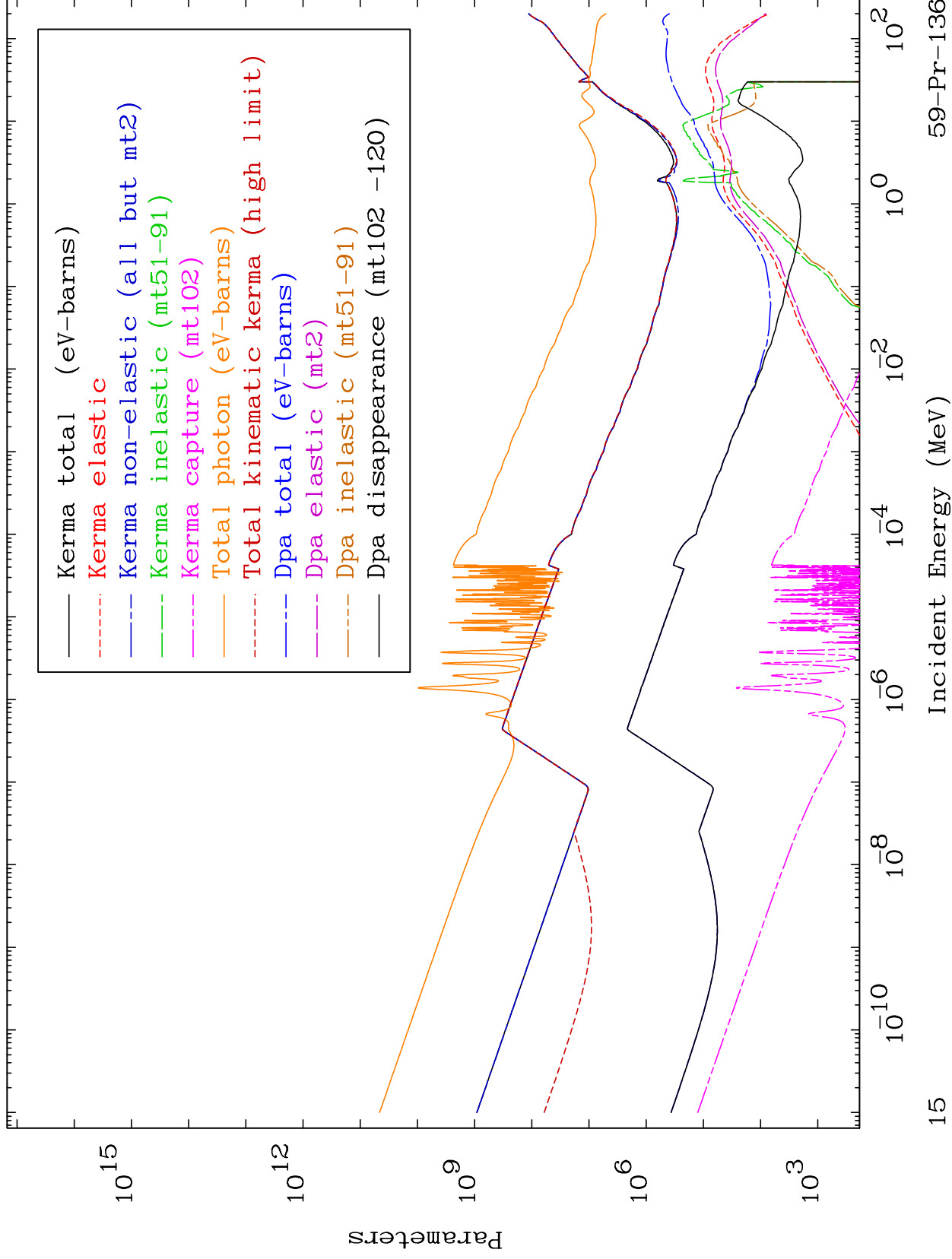


MAT 5910

(n,α) Levels
293 Kelvin Cross Sections

59-Pr-136

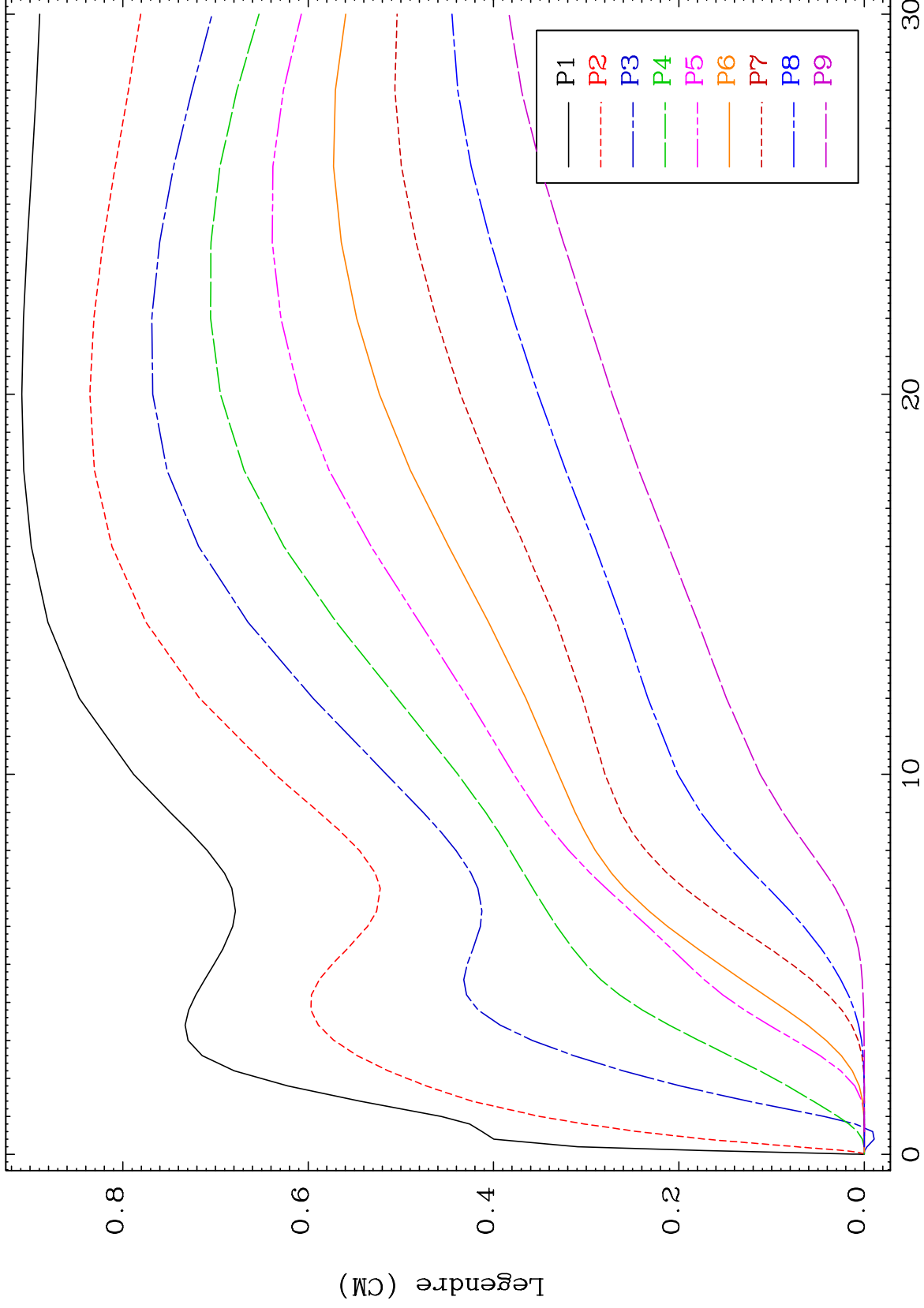




MAT 5910

59-Pr-136

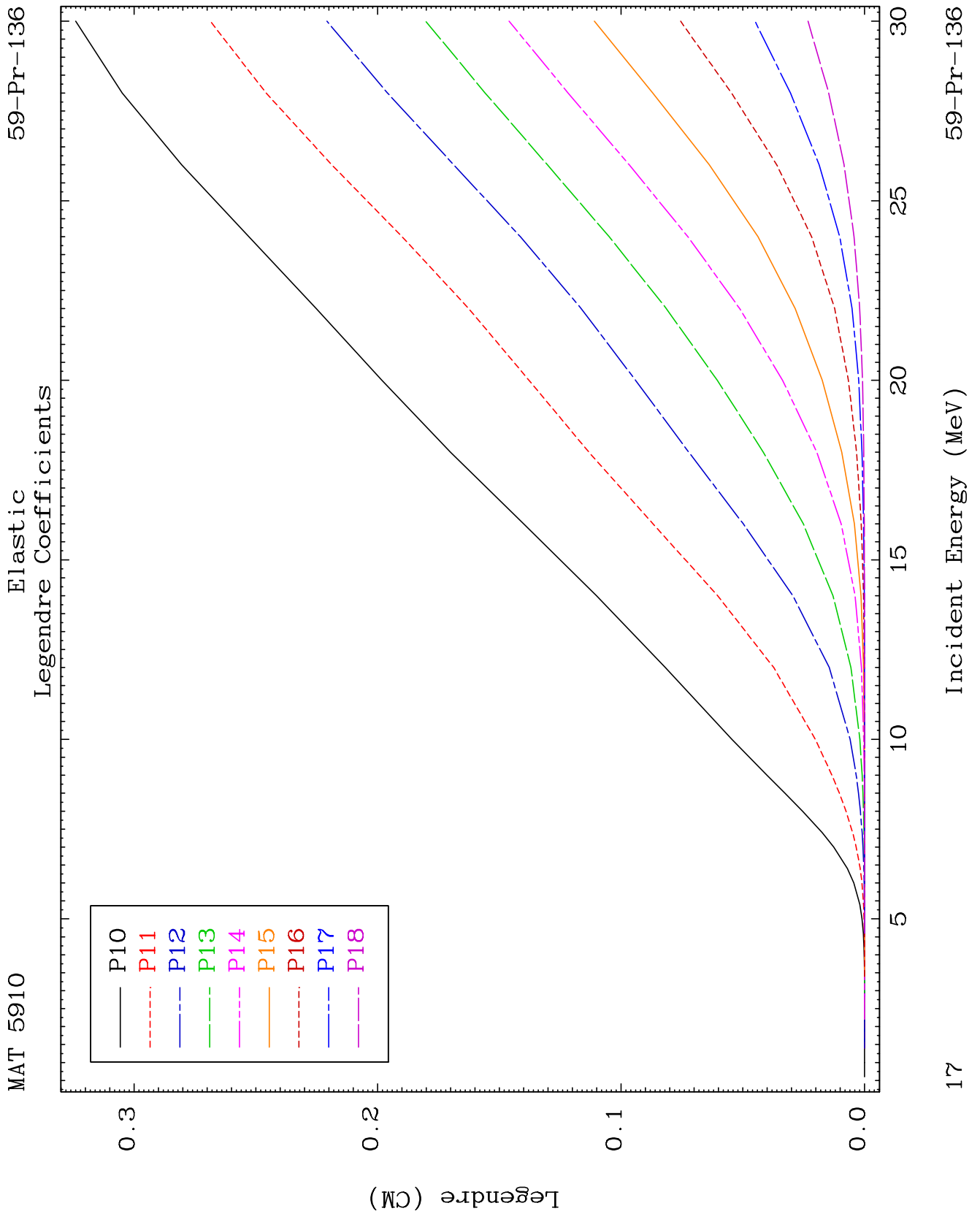
Elastic Legendre Coefficients



16

Incident Energy (MeV)

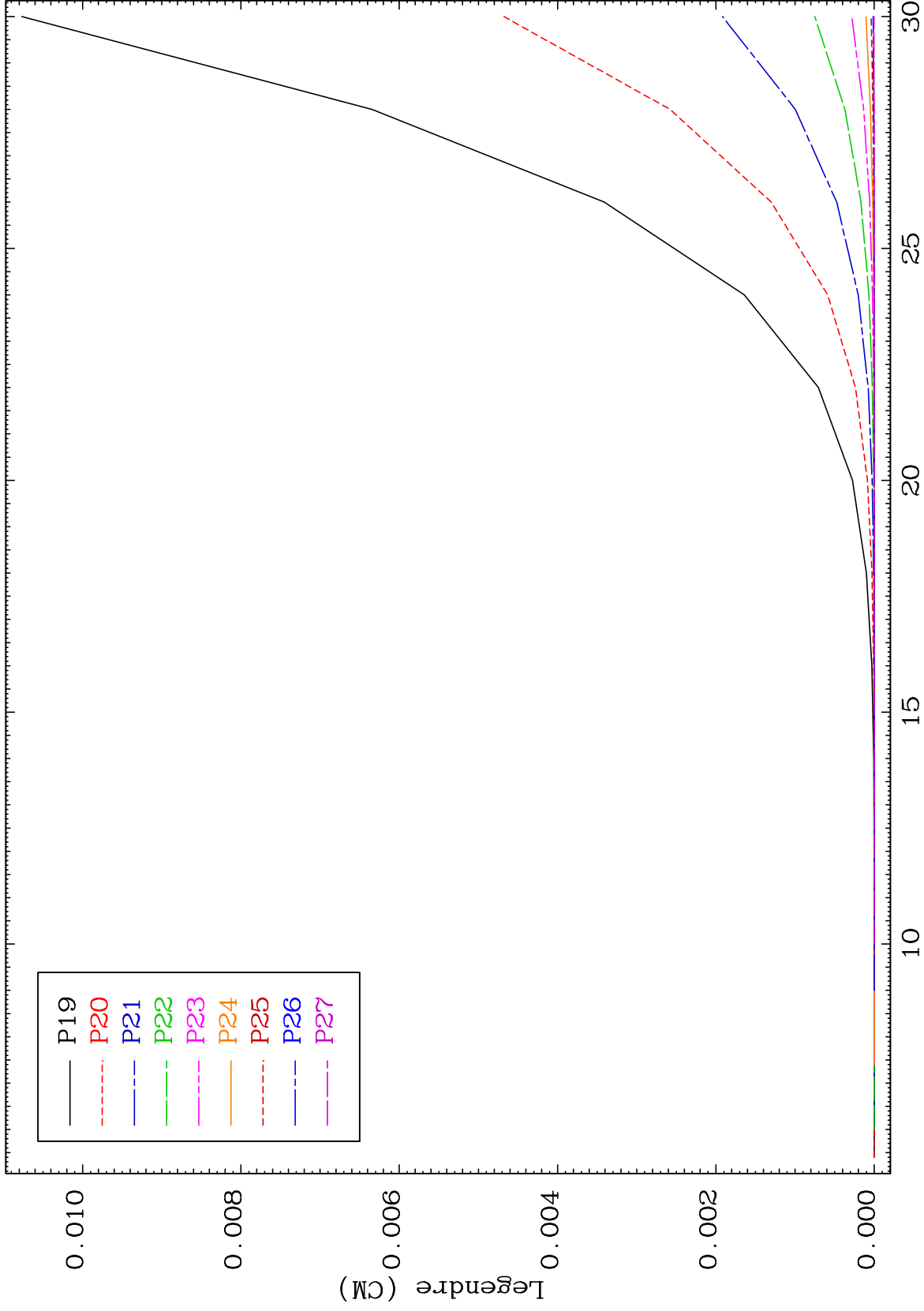
59-Pr-136



MAT 5910

Elastic Legendre Coefficients

59-Pr-136



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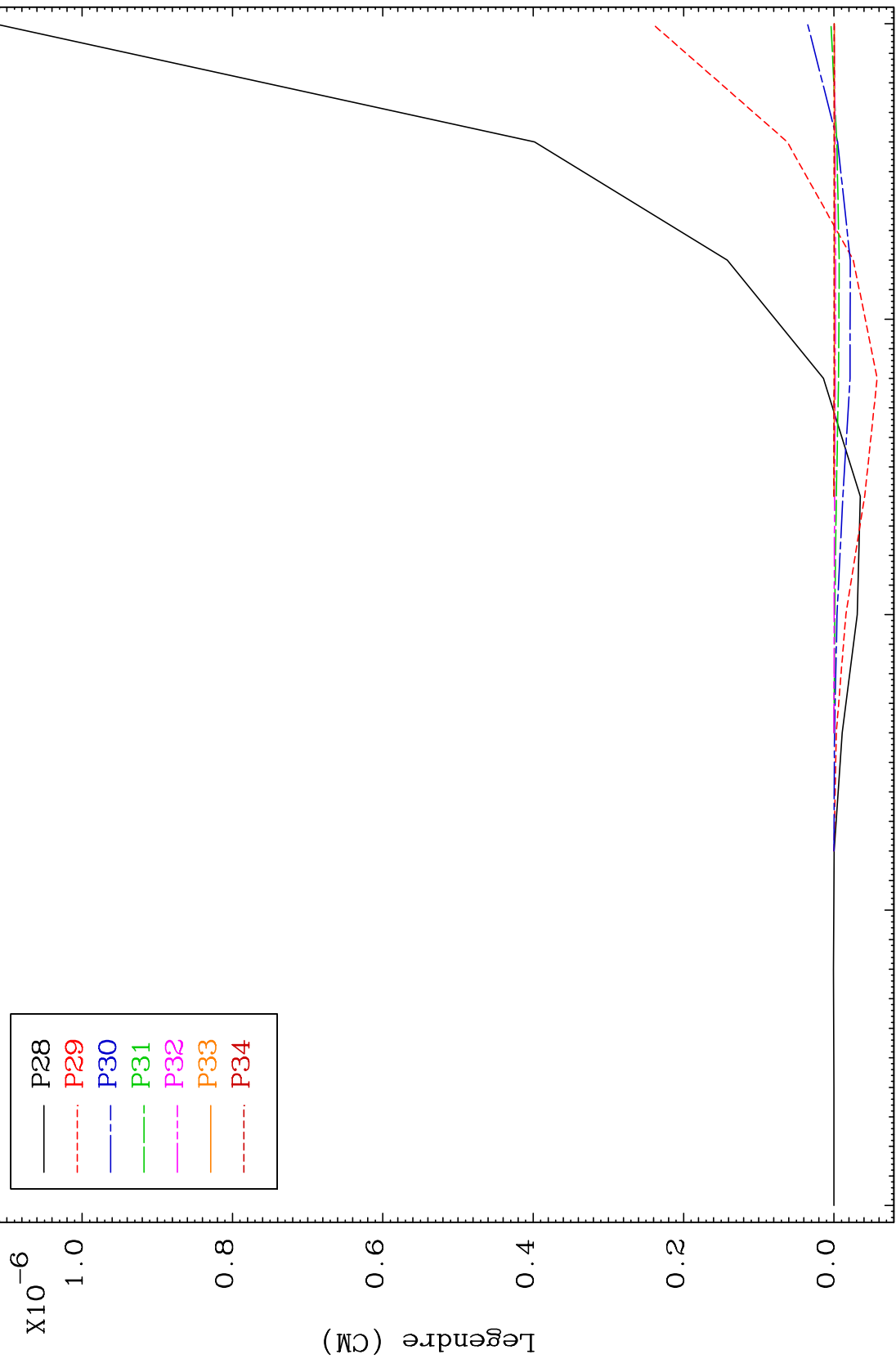
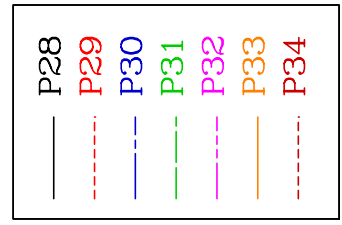
Incident Energy (MeV)

59-Pr-136

MAT 5910

Elastic Legendre Coefficients

59-Pr-136



19

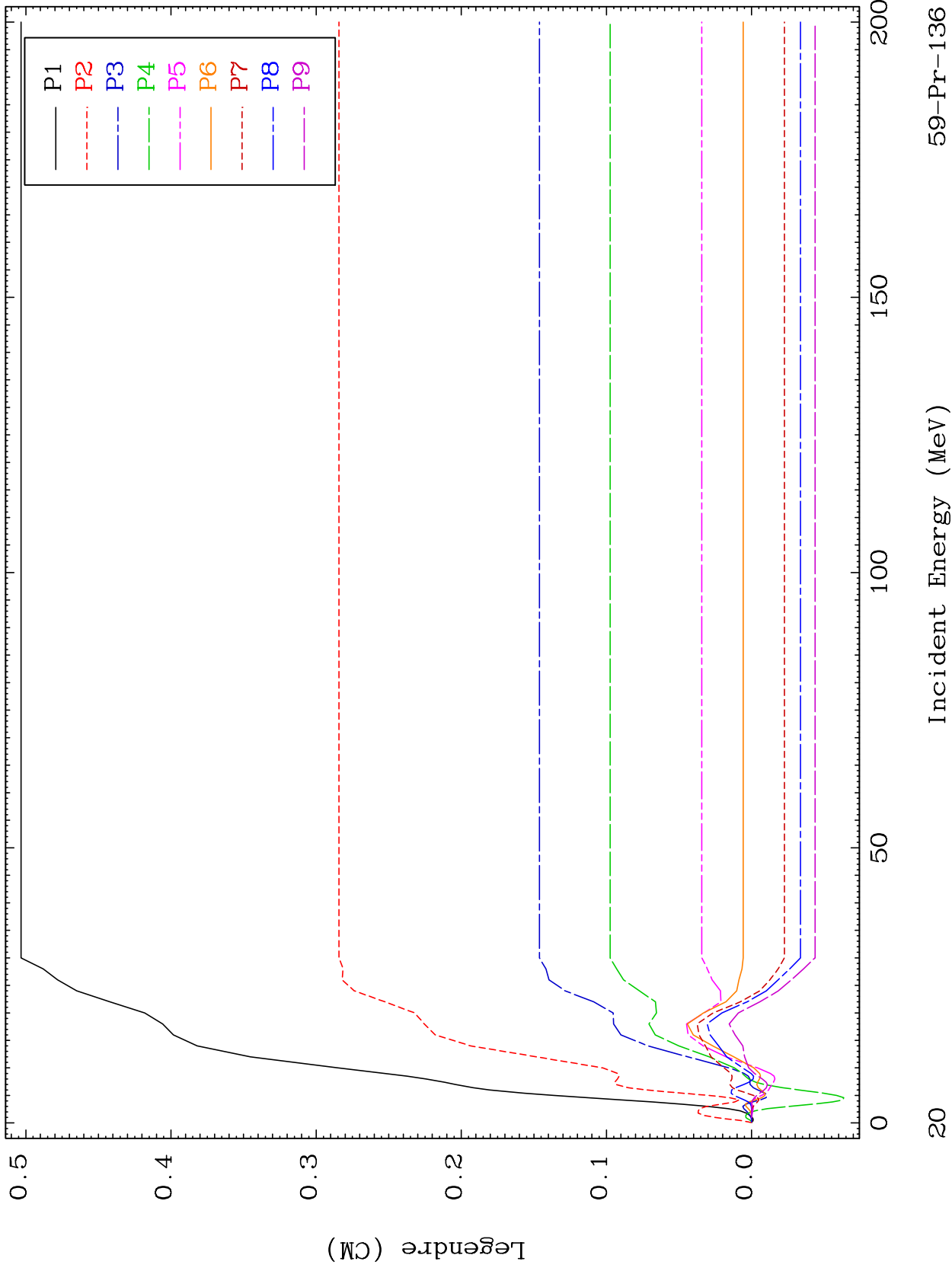
Incident Energy (MeV)

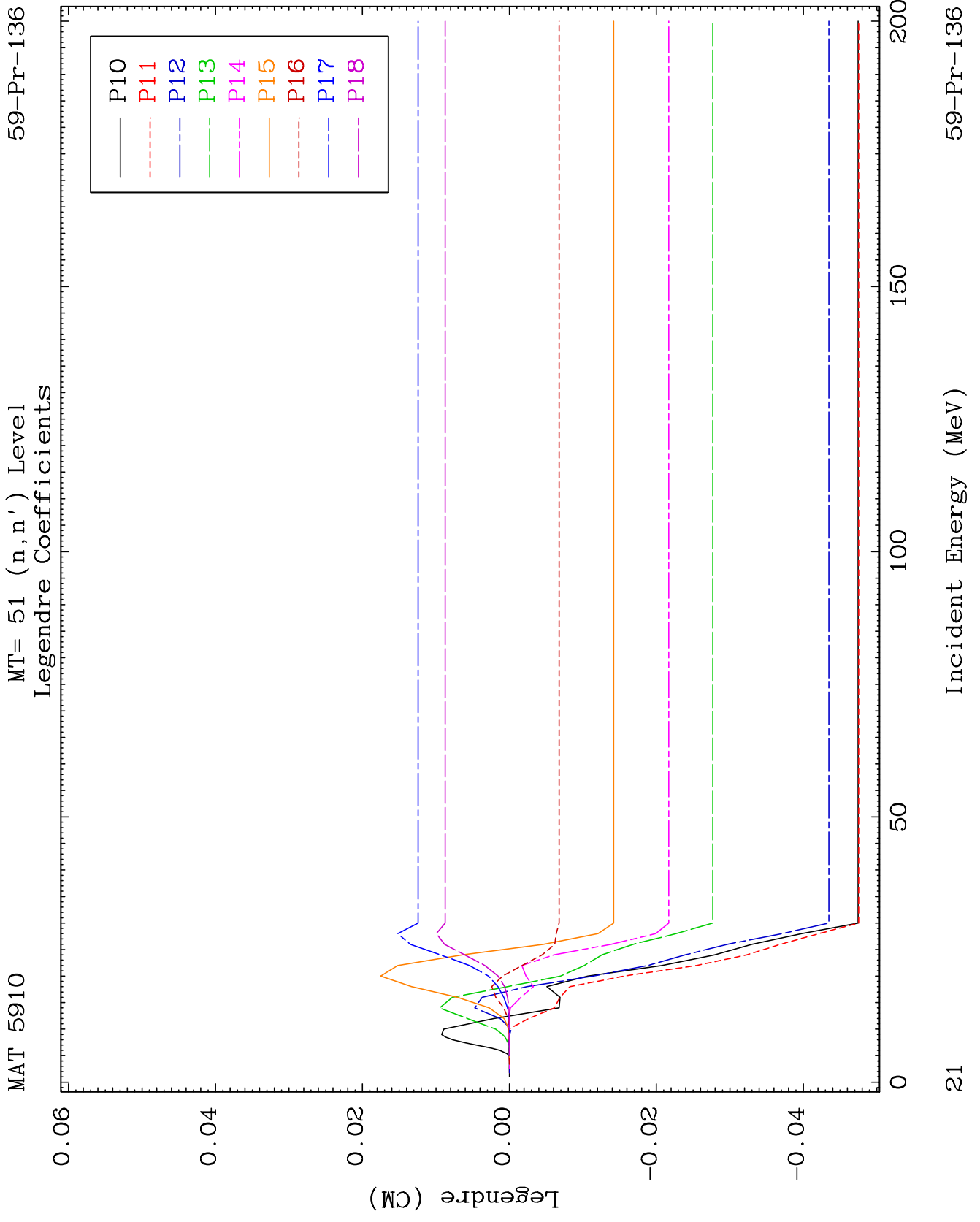
59-Pr-136

MAT 5910

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

59-Pr-136

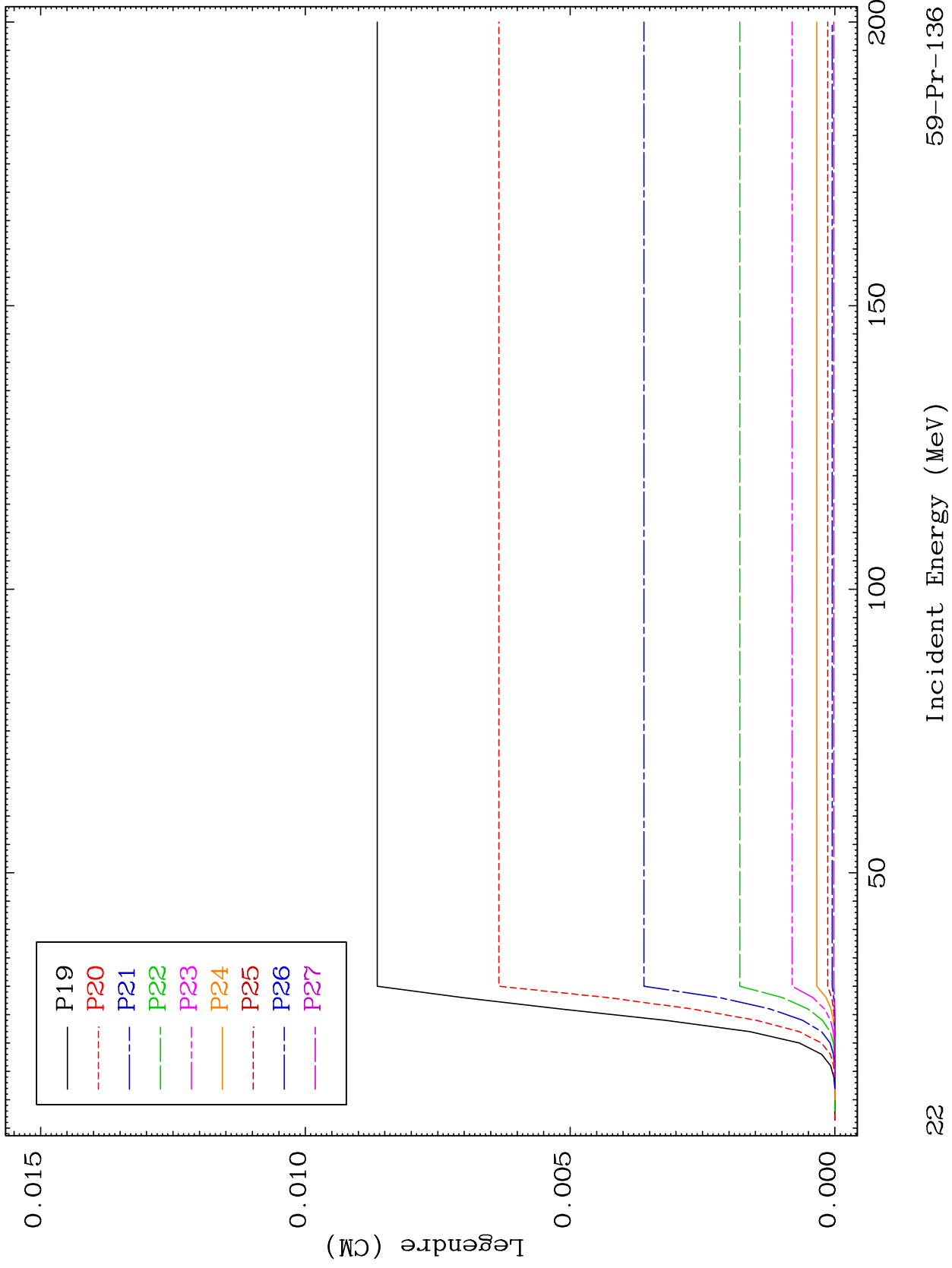




MAT 5910

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

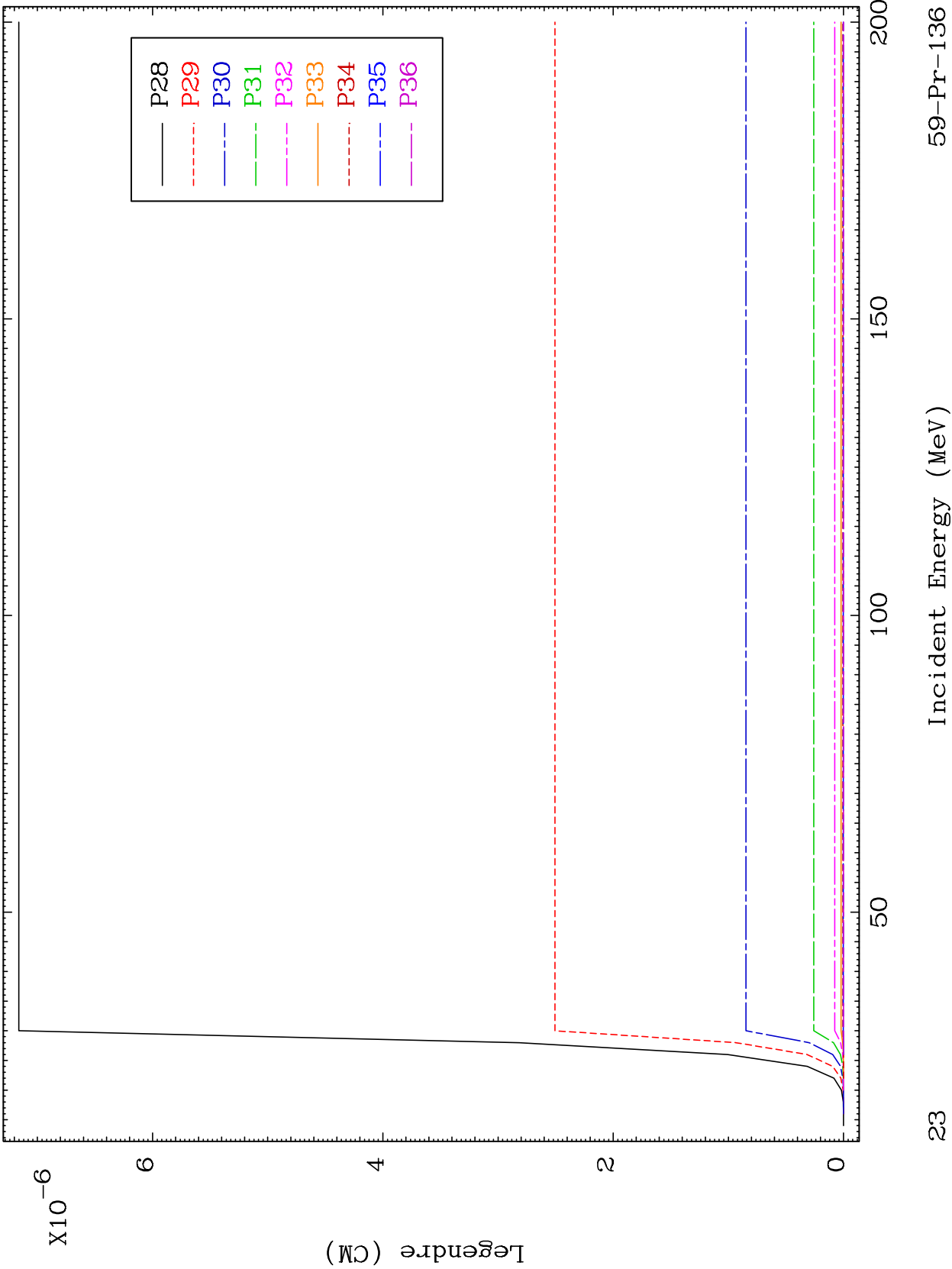
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MAT 5910

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

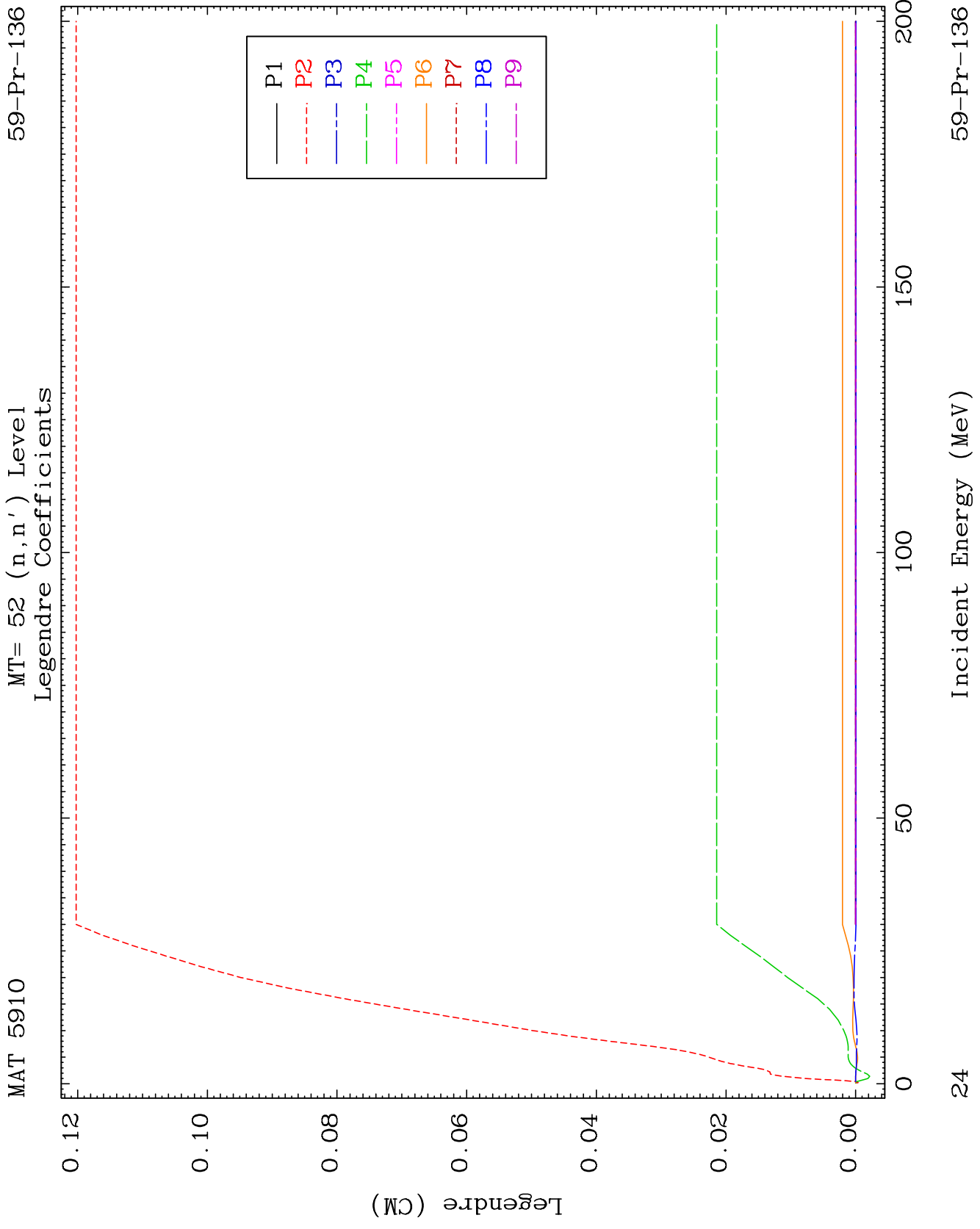
59-Pr-136



23

Incident Energy (MeV)

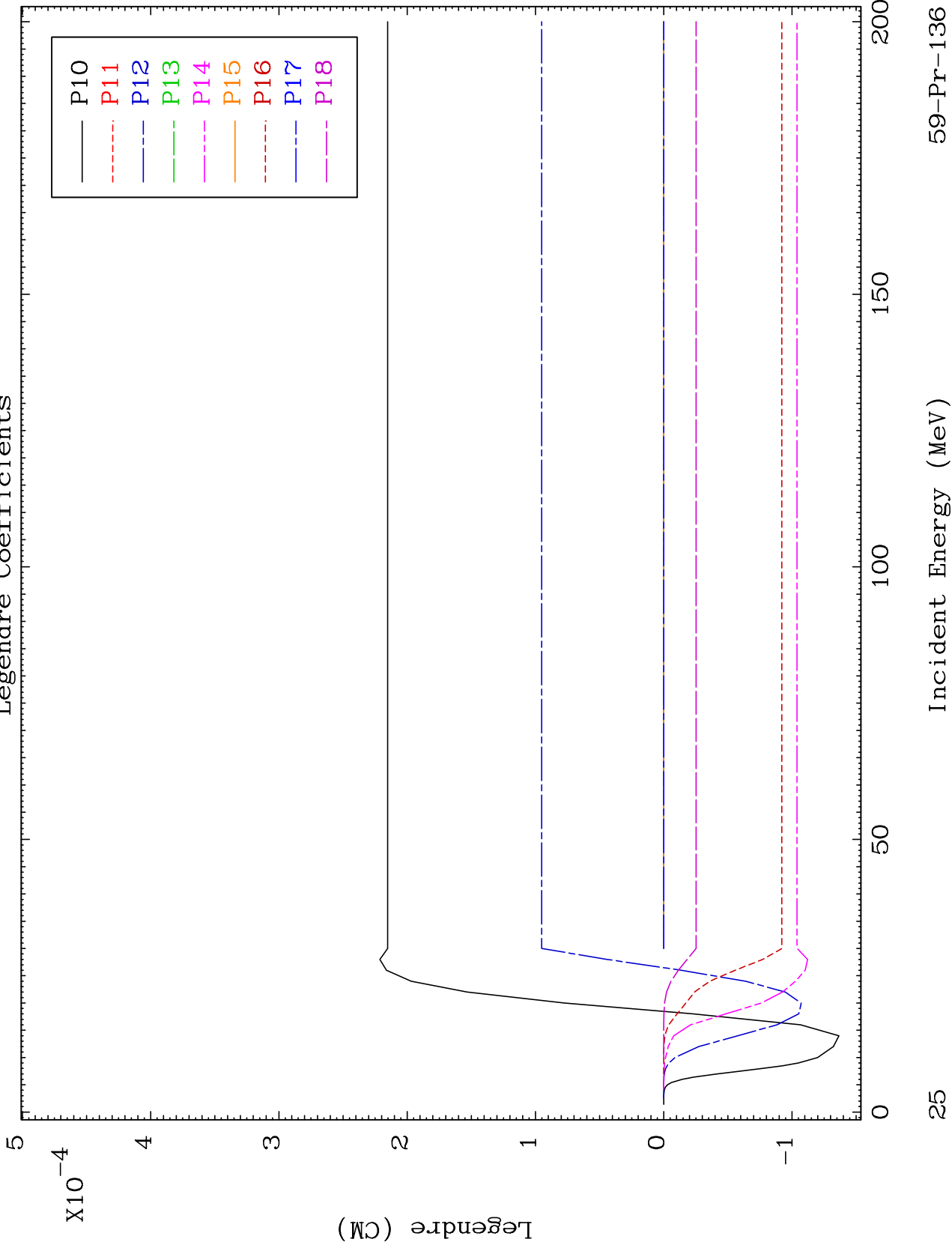
59-Pr-136



MAT 5910

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

59-Pr-136



59-Pr-136

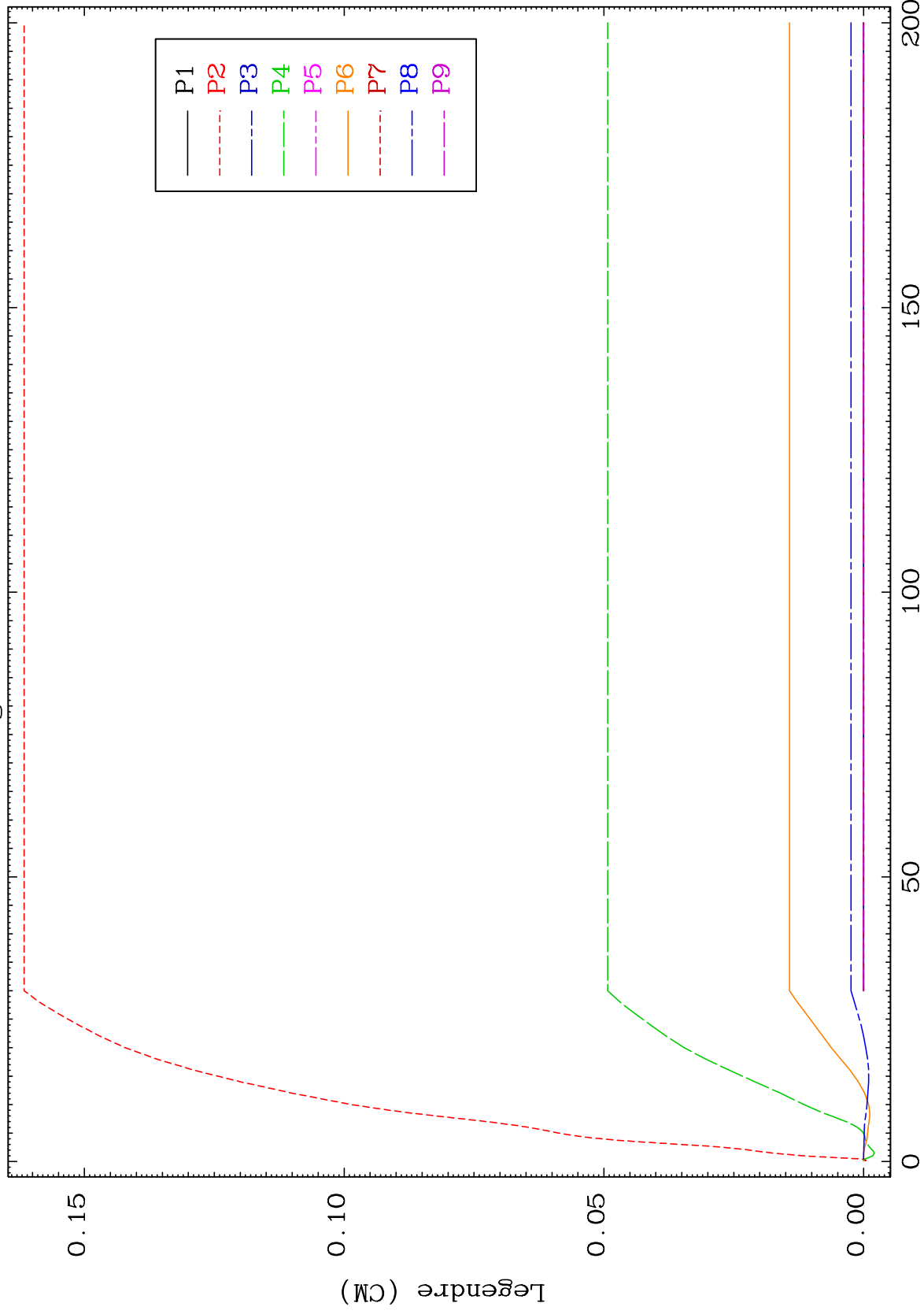
Incident Energy (MeV)

25

MAT 5910

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

59-Pr-136



27

Incident Energy (MeV)

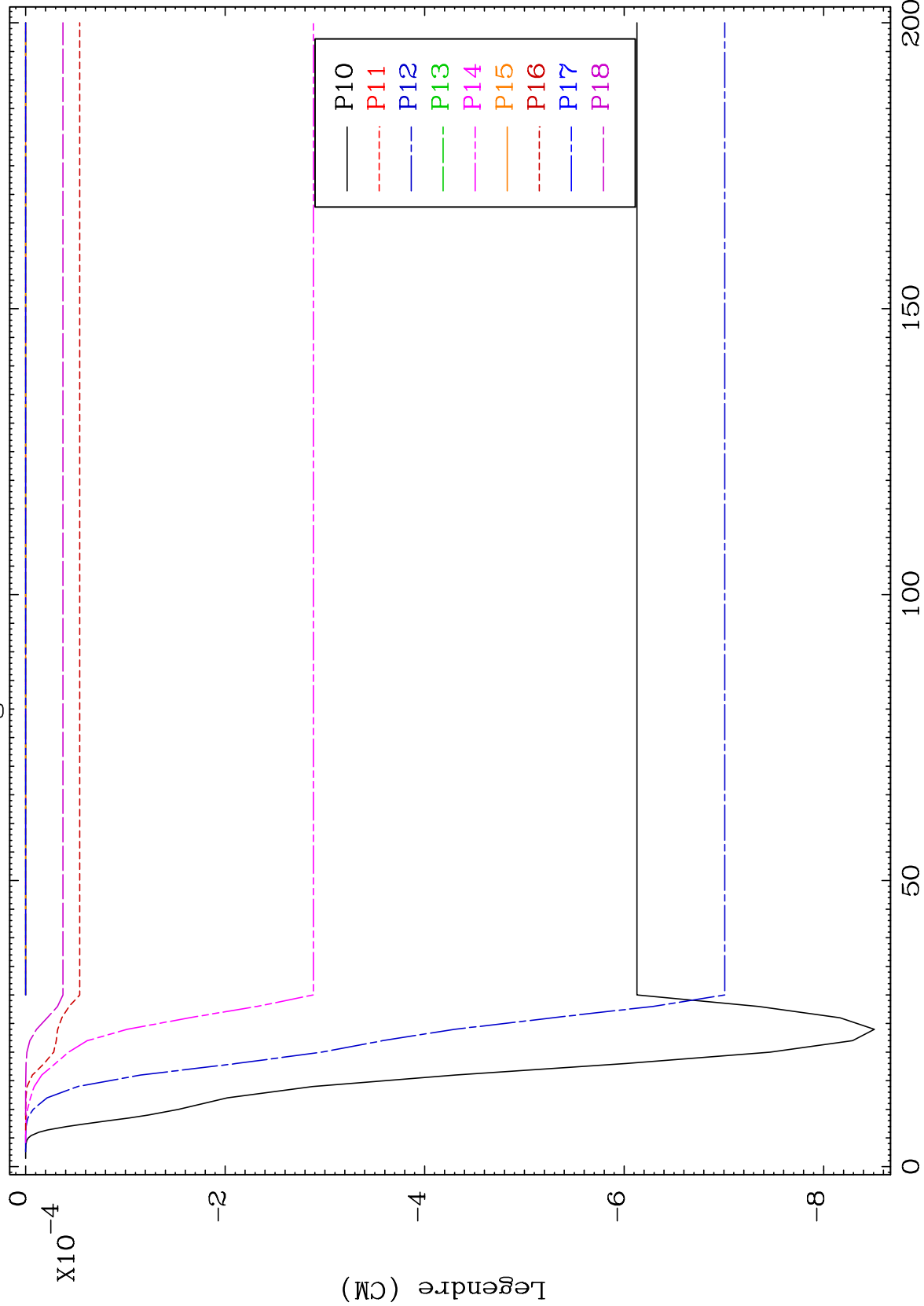
59-Pr-136

MAT 5910

MT= 53 (n,n') Level

59-Pr-136

Legendre Coefficients



$\times 10^{-4}$

0

50

100

150

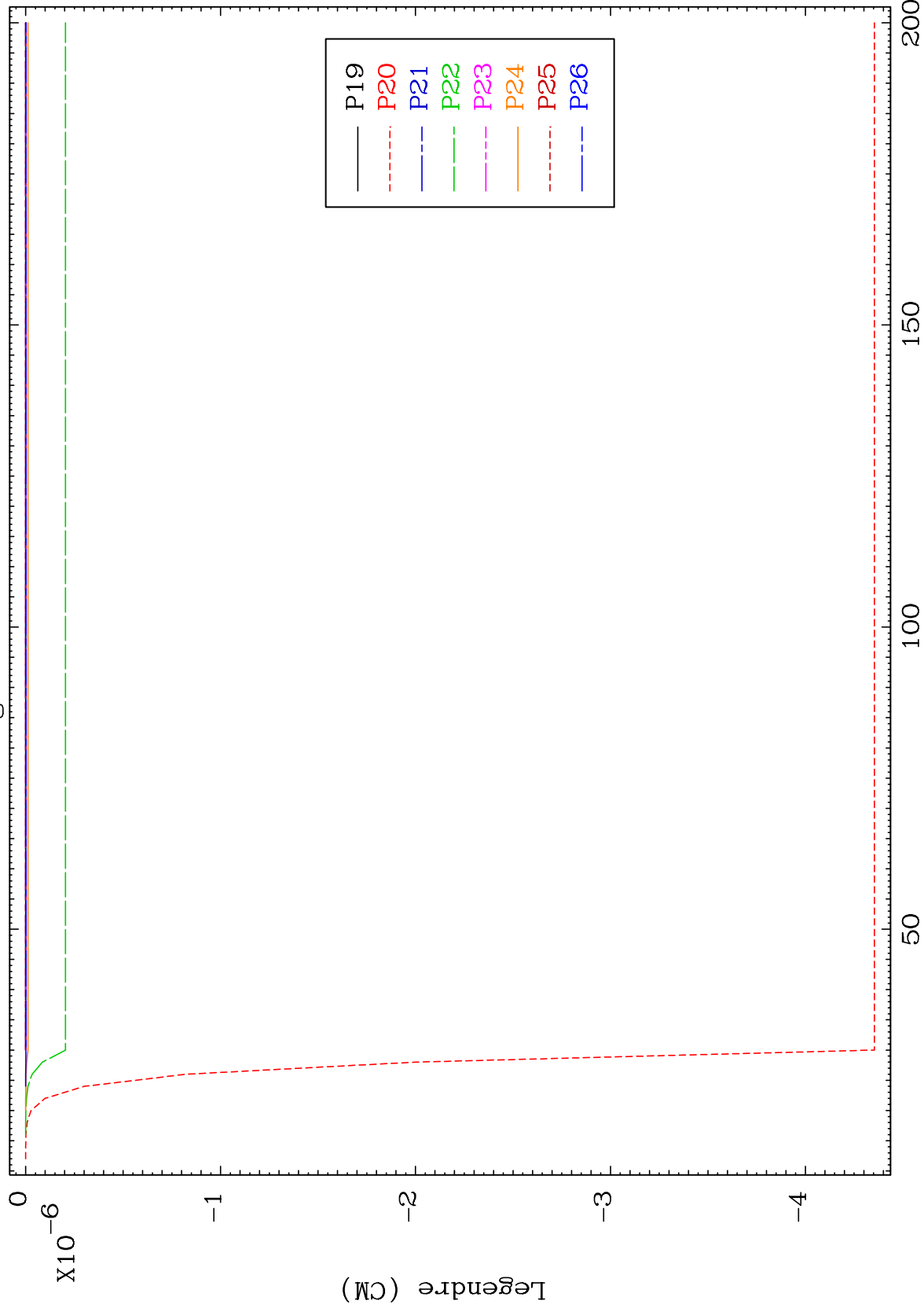
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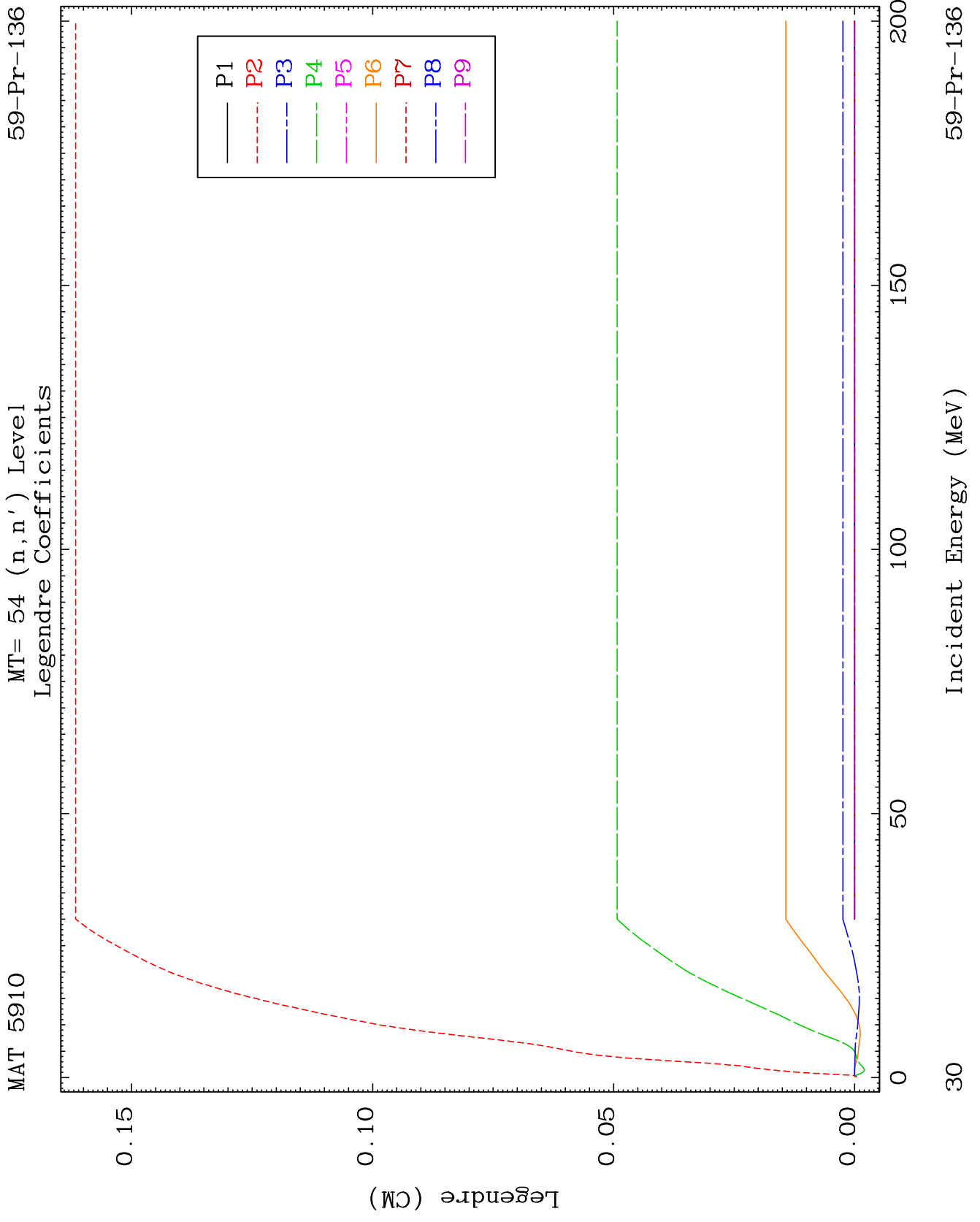
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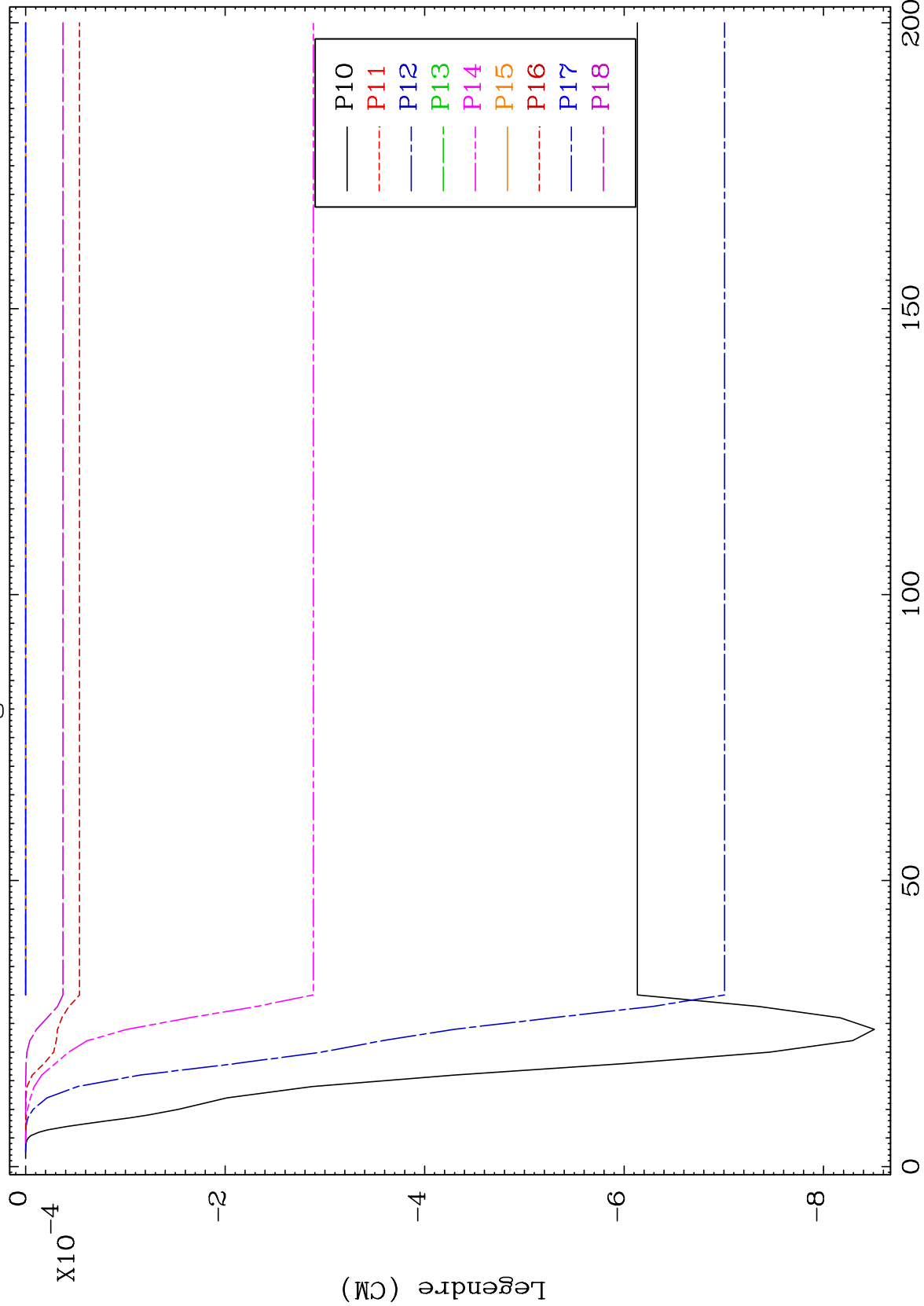
MAT 5910

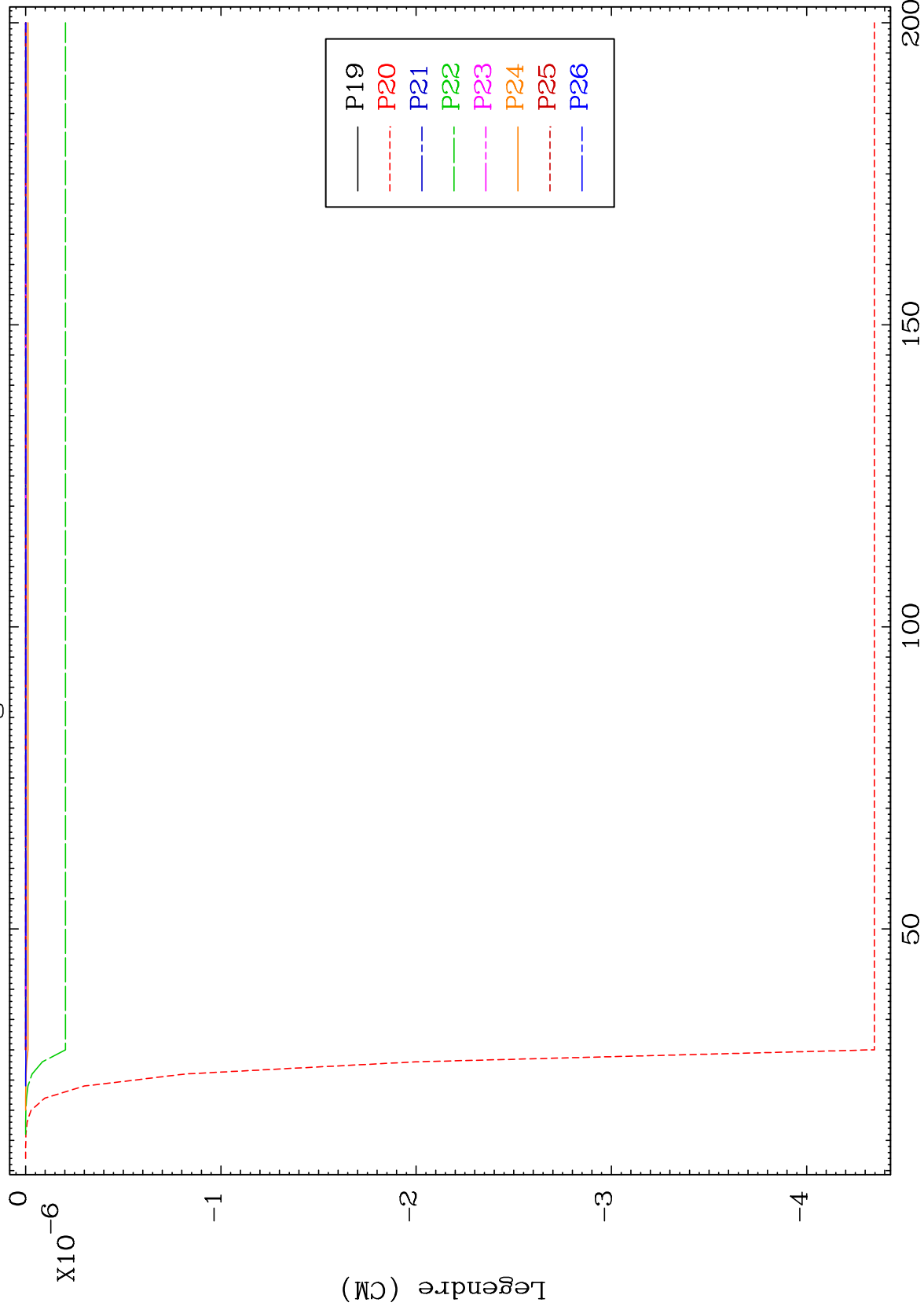
MT= 53 (n,n') Level
Legendre Coefficients

59-Pr-136





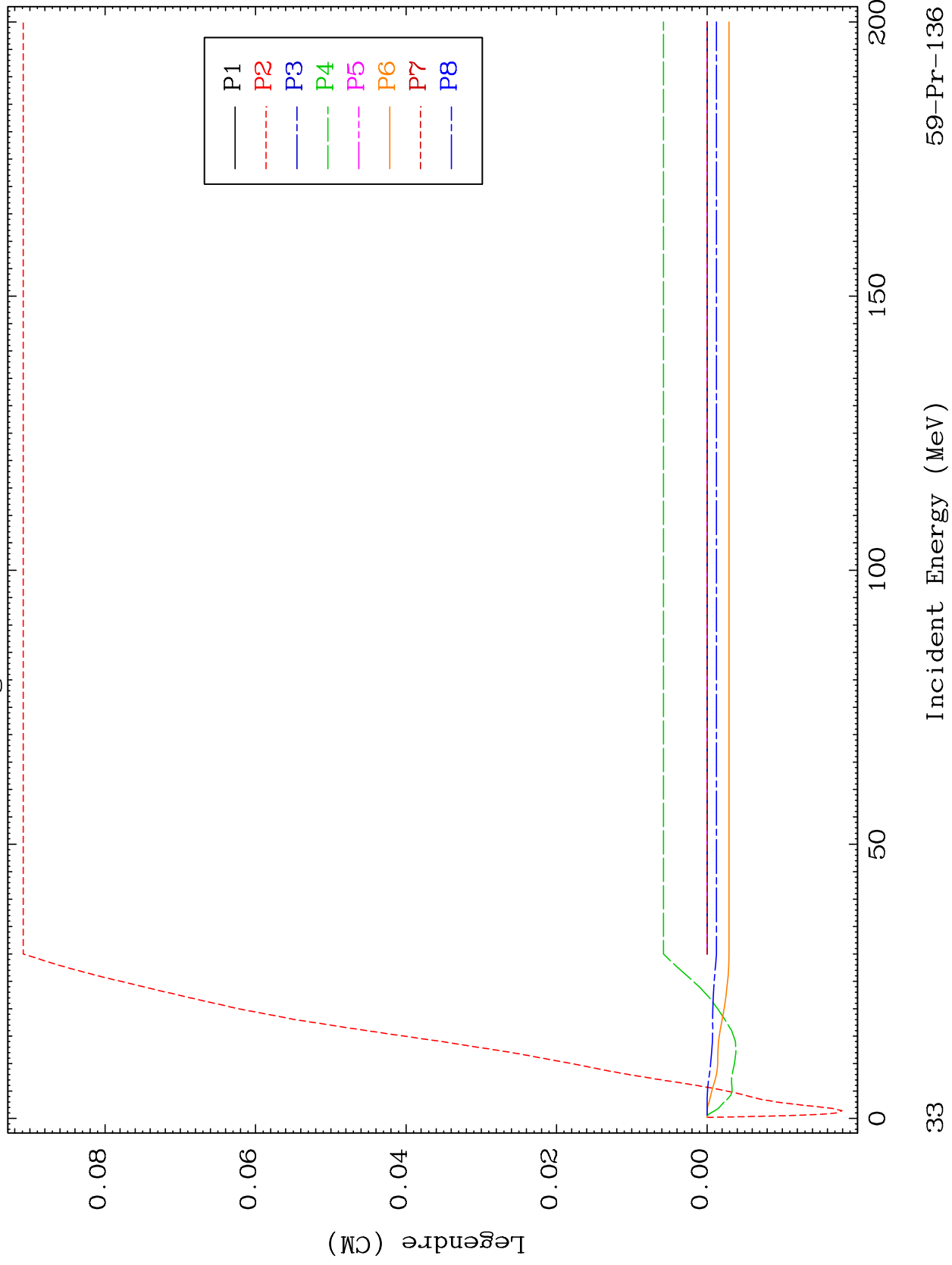




MAT 5910

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

59-Pr-136



59-Pr-136

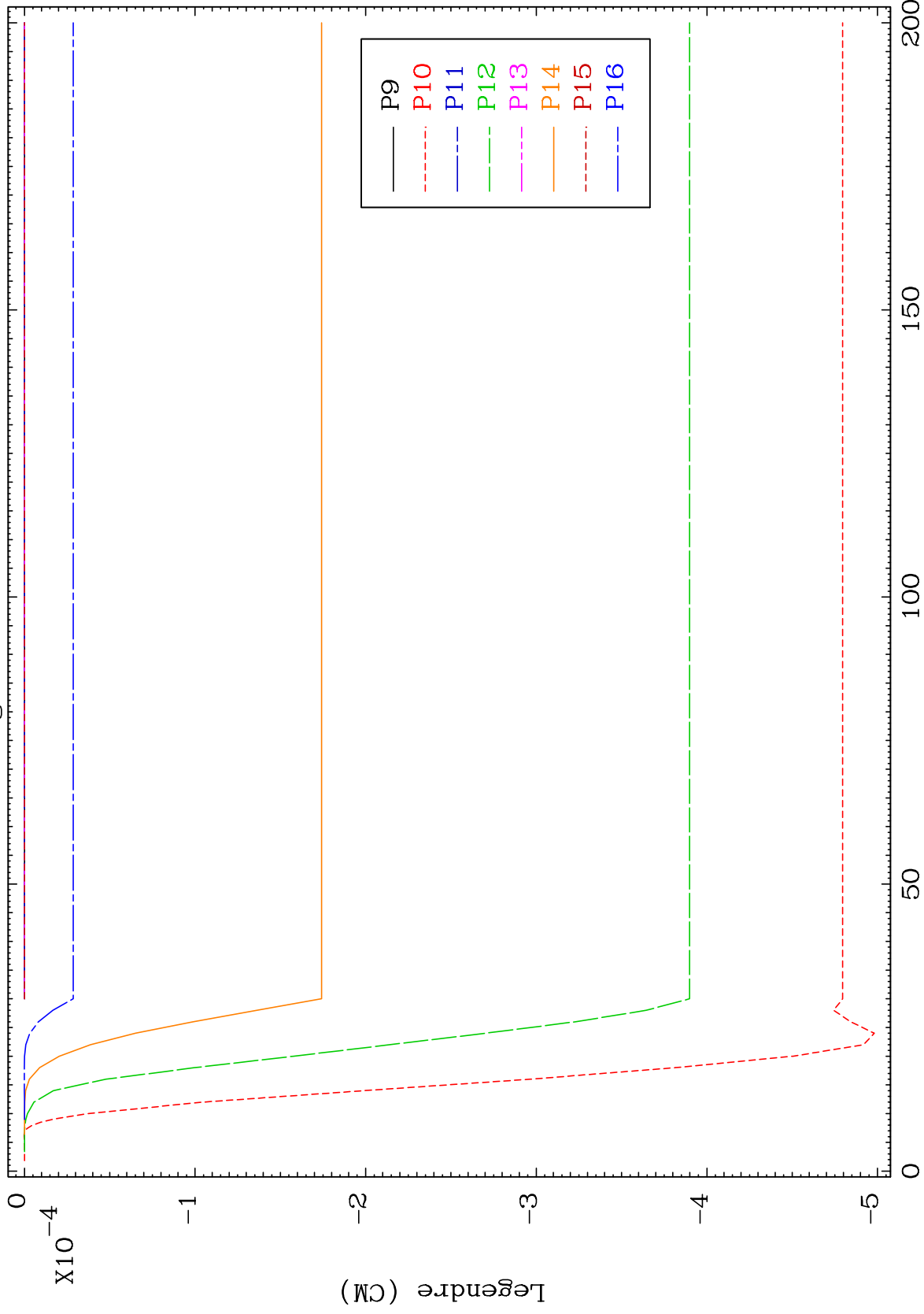
Incident Energy (MeV)

33

MAT 5910

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

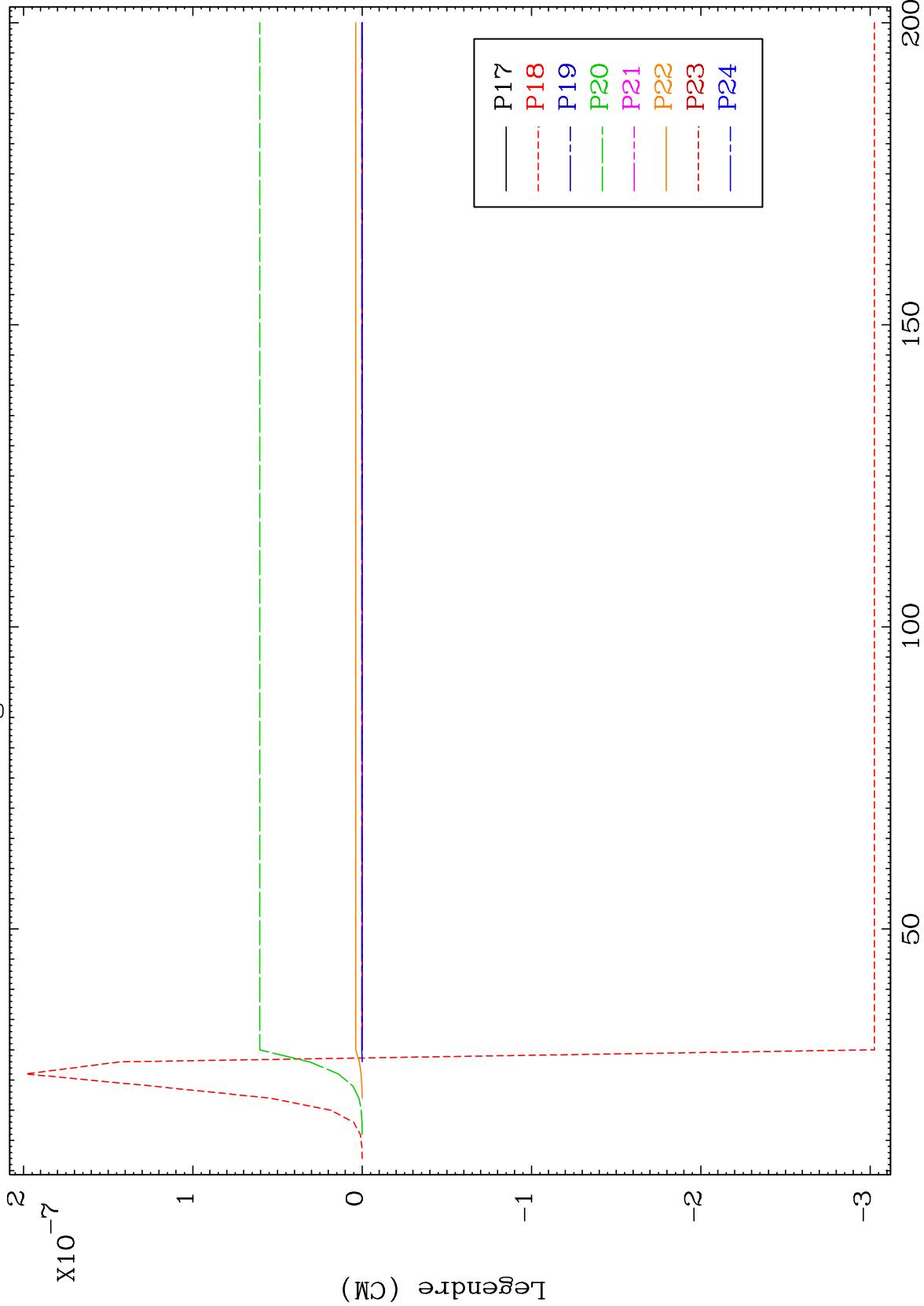
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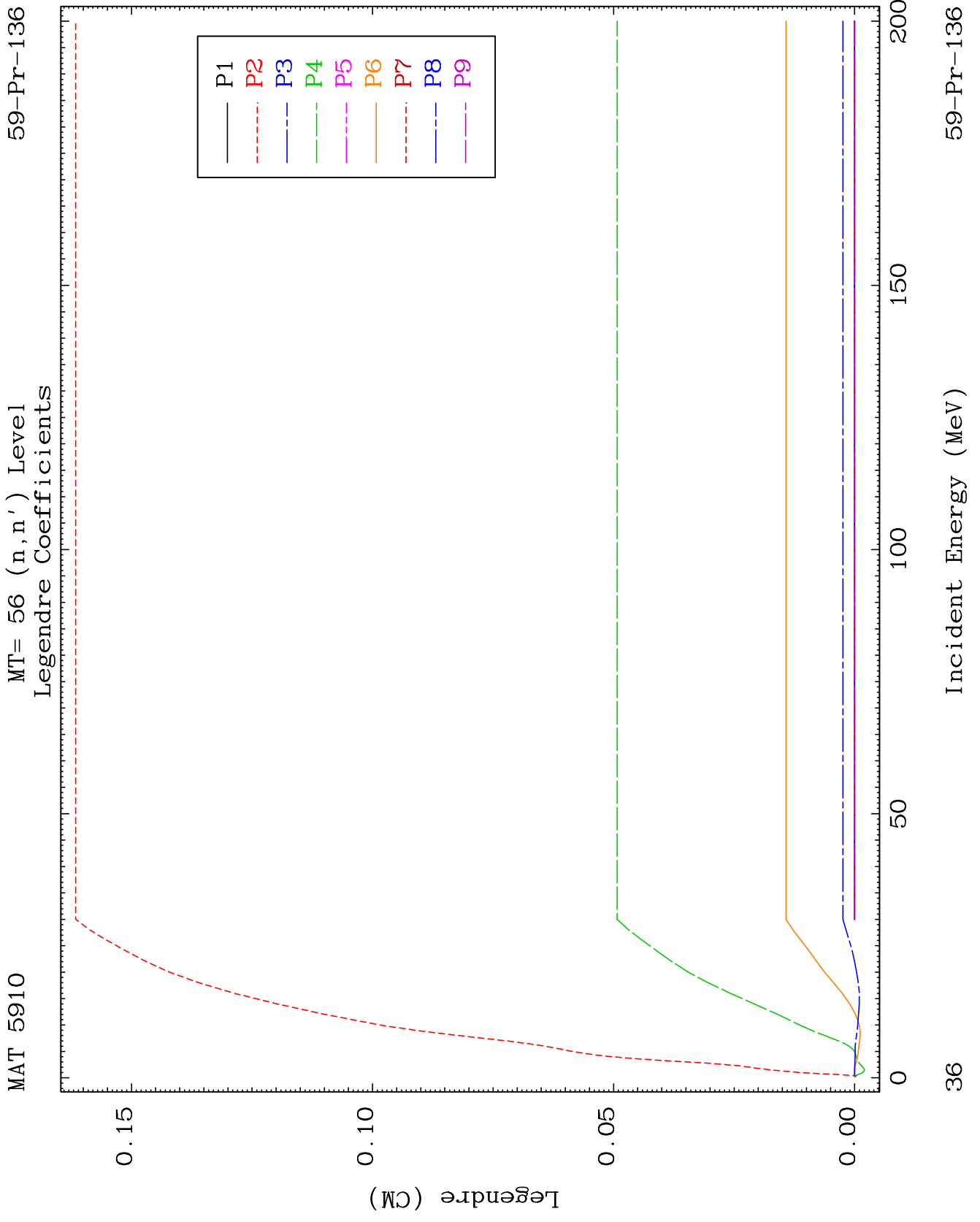


34

Incident Energy (MeV)

59-Pr-136

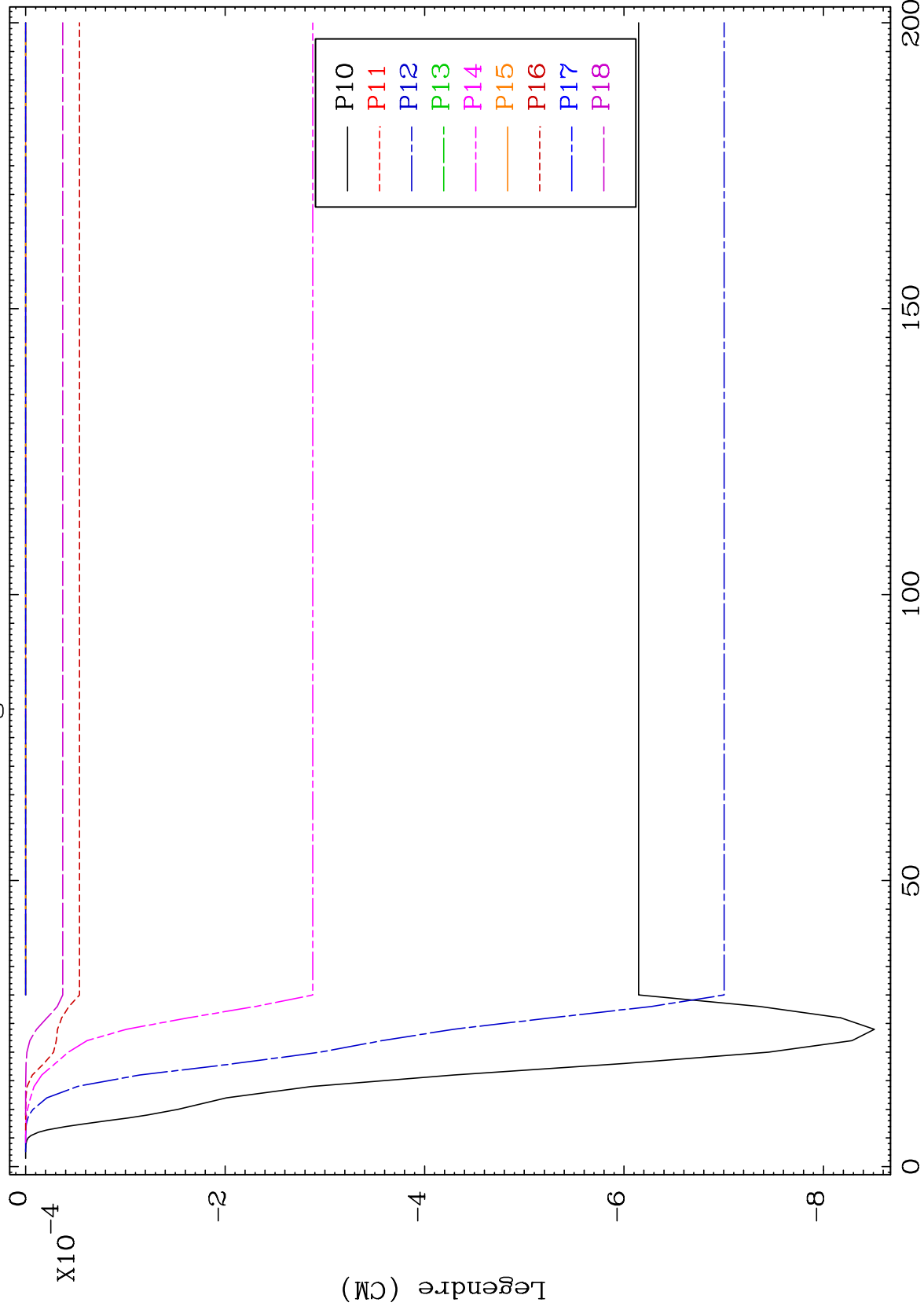




MAT 5910

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

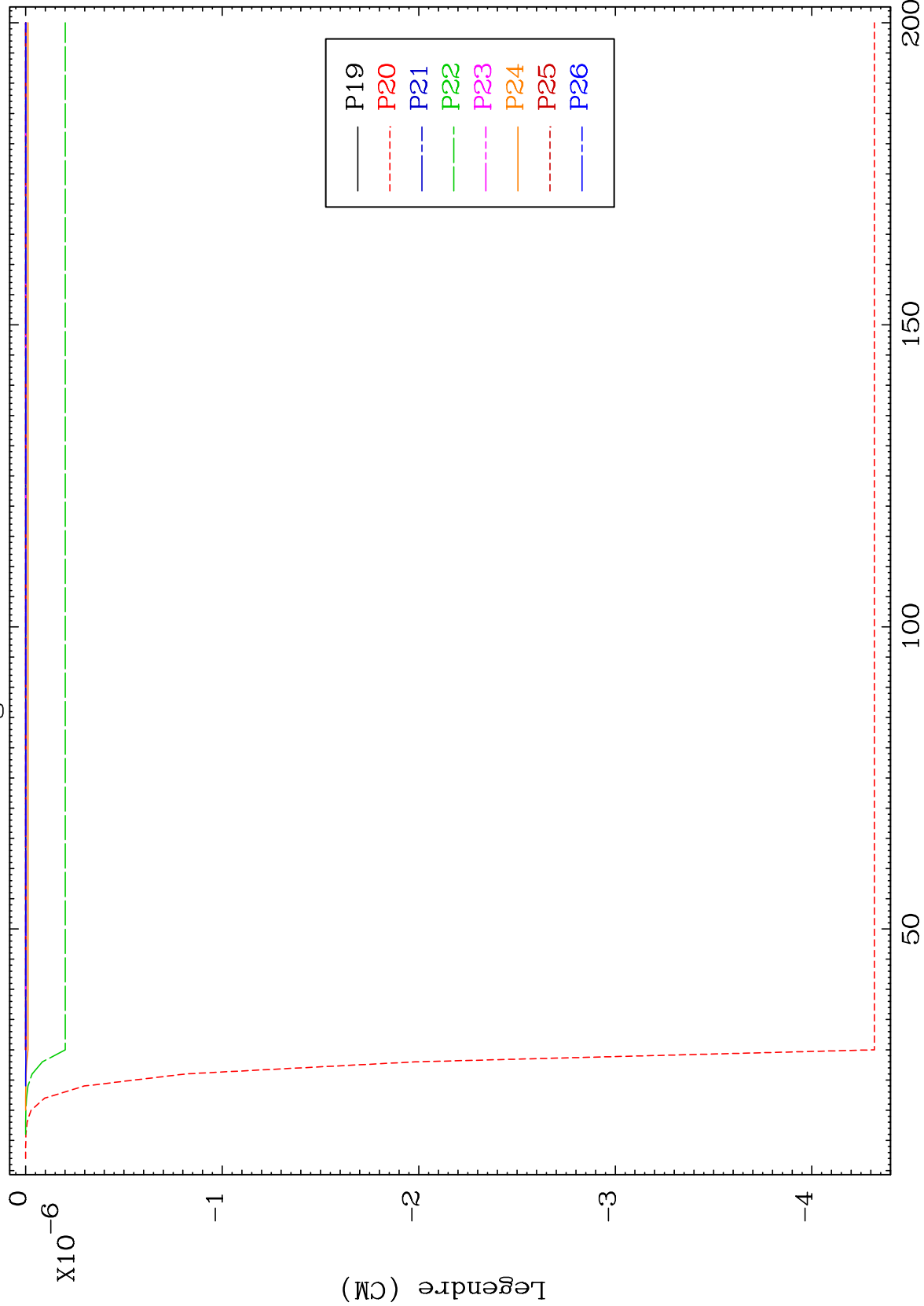
59-Pr-136



59-Pr-136

Incident Energy (MeV)

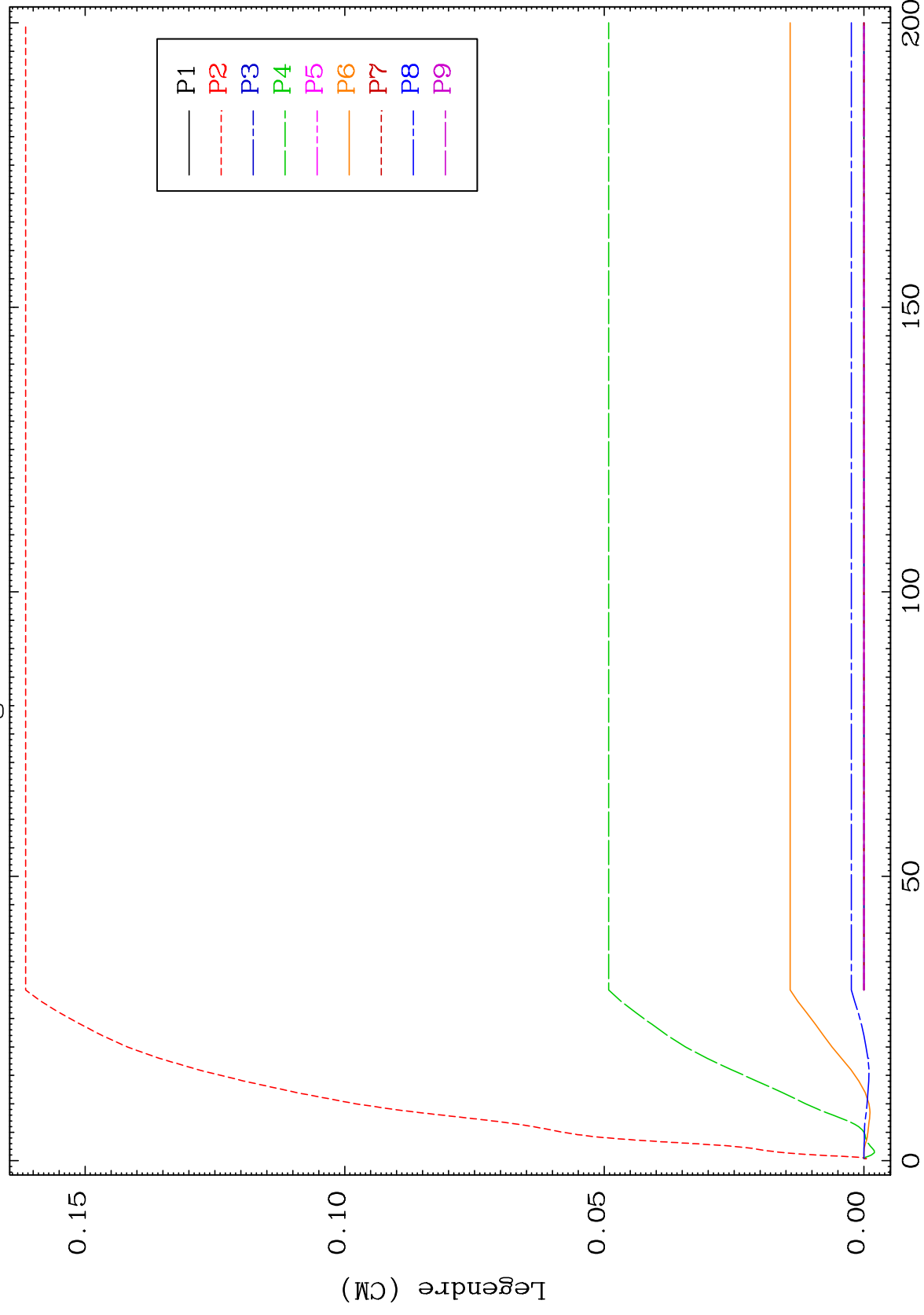
37



MAT 5910

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

59-Pr-136



39

Incident Energy (MeV)

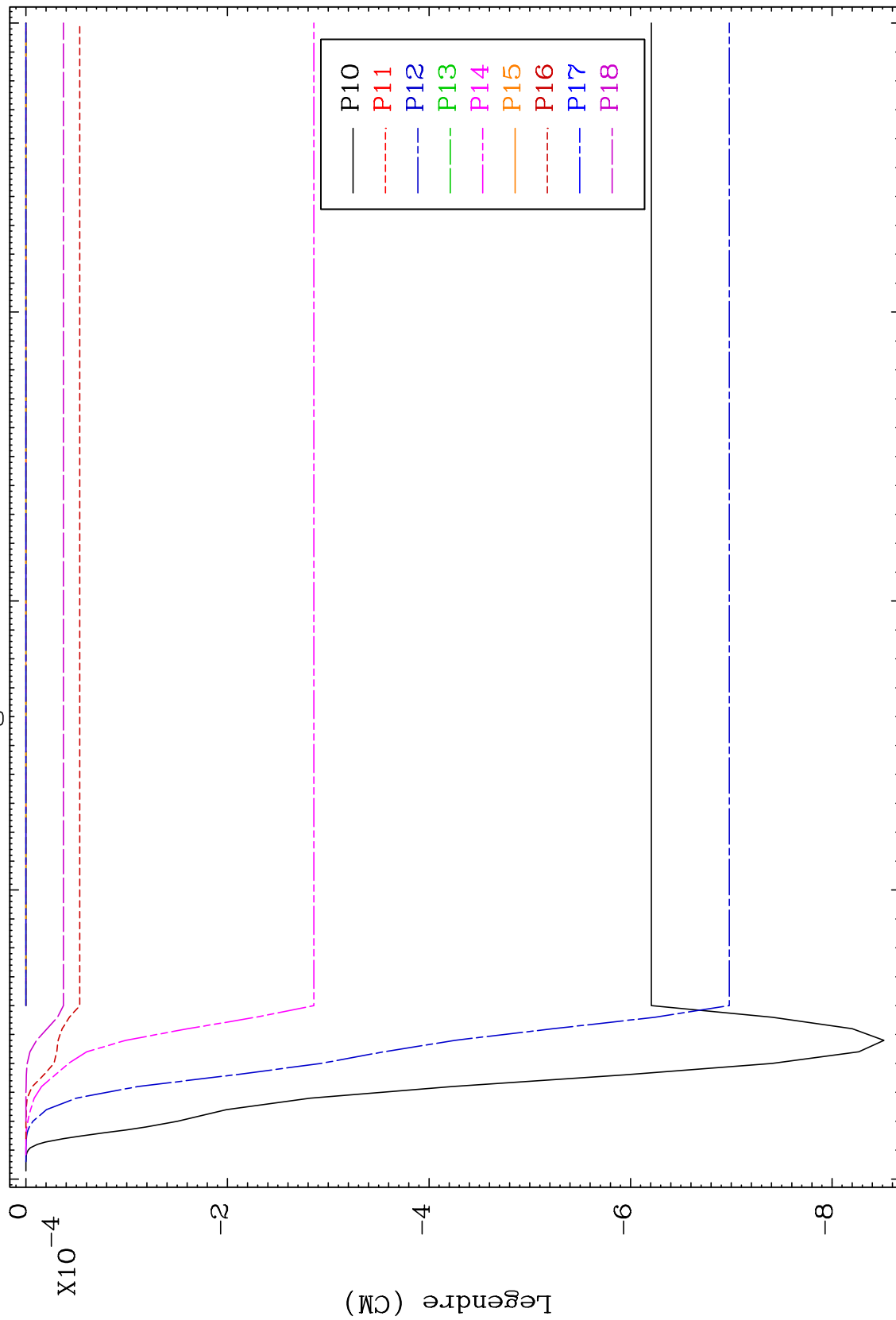
59-Pr-136

MAT 5910

MT= 57 (n,n') Level

59-Pr-136

Legendre Coefficients



59-Pr-136

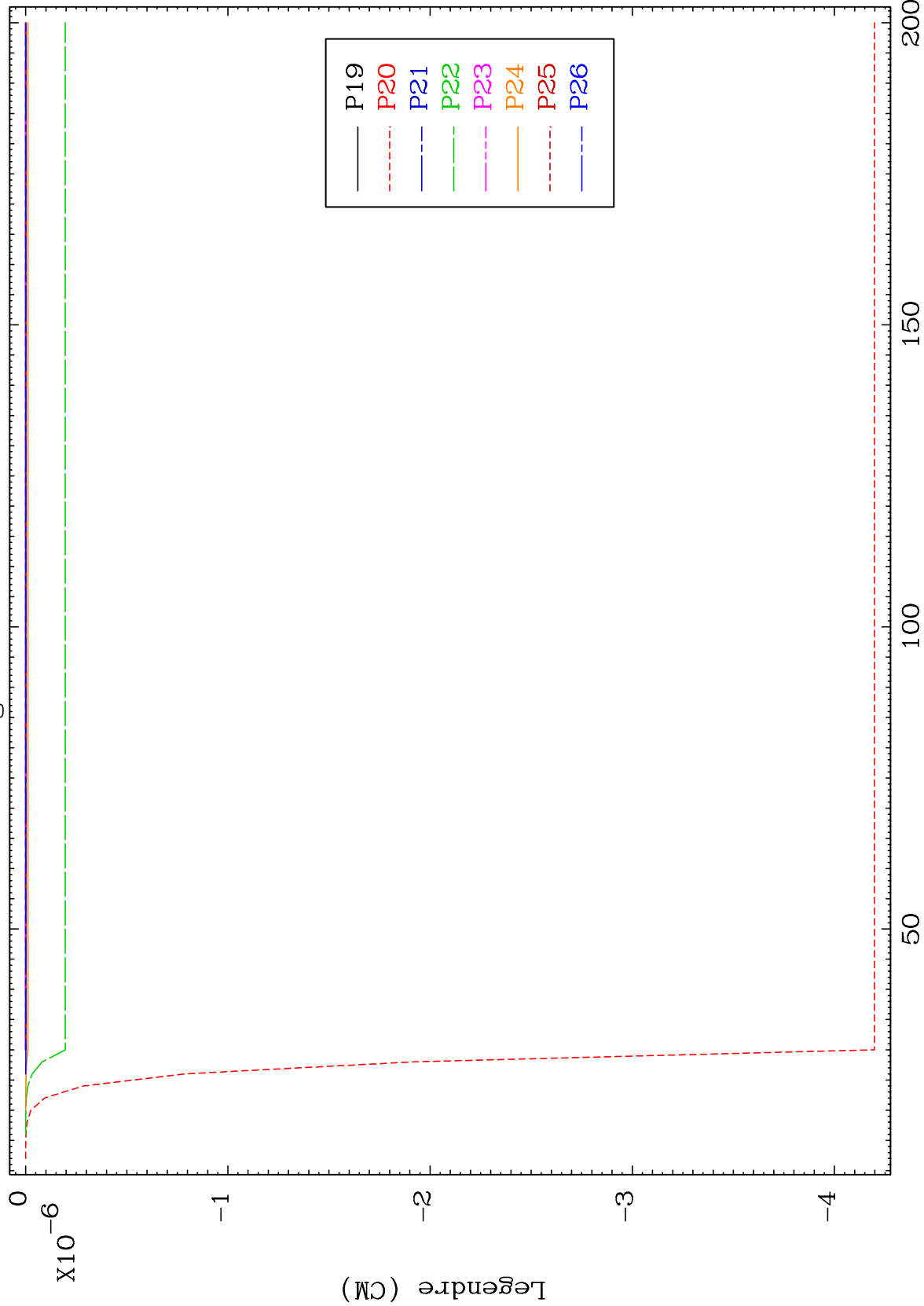
Incident Energy (MeV)

40

MAT 5910

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

59-Pr-136



59-Pr-136

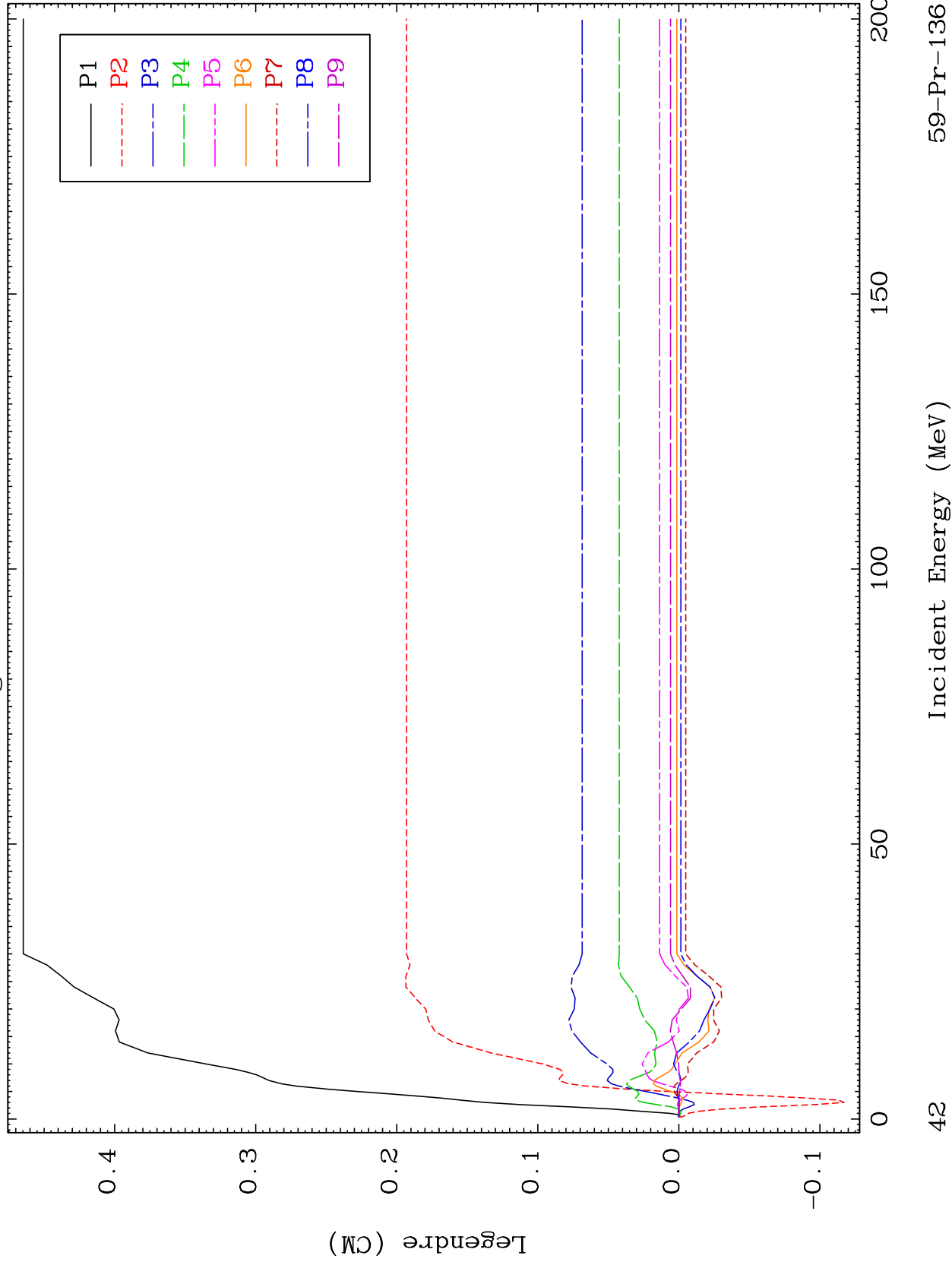
Incident Energy (MeV)

41

MAT 5910

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

59-Pr-136



59-Pr-136

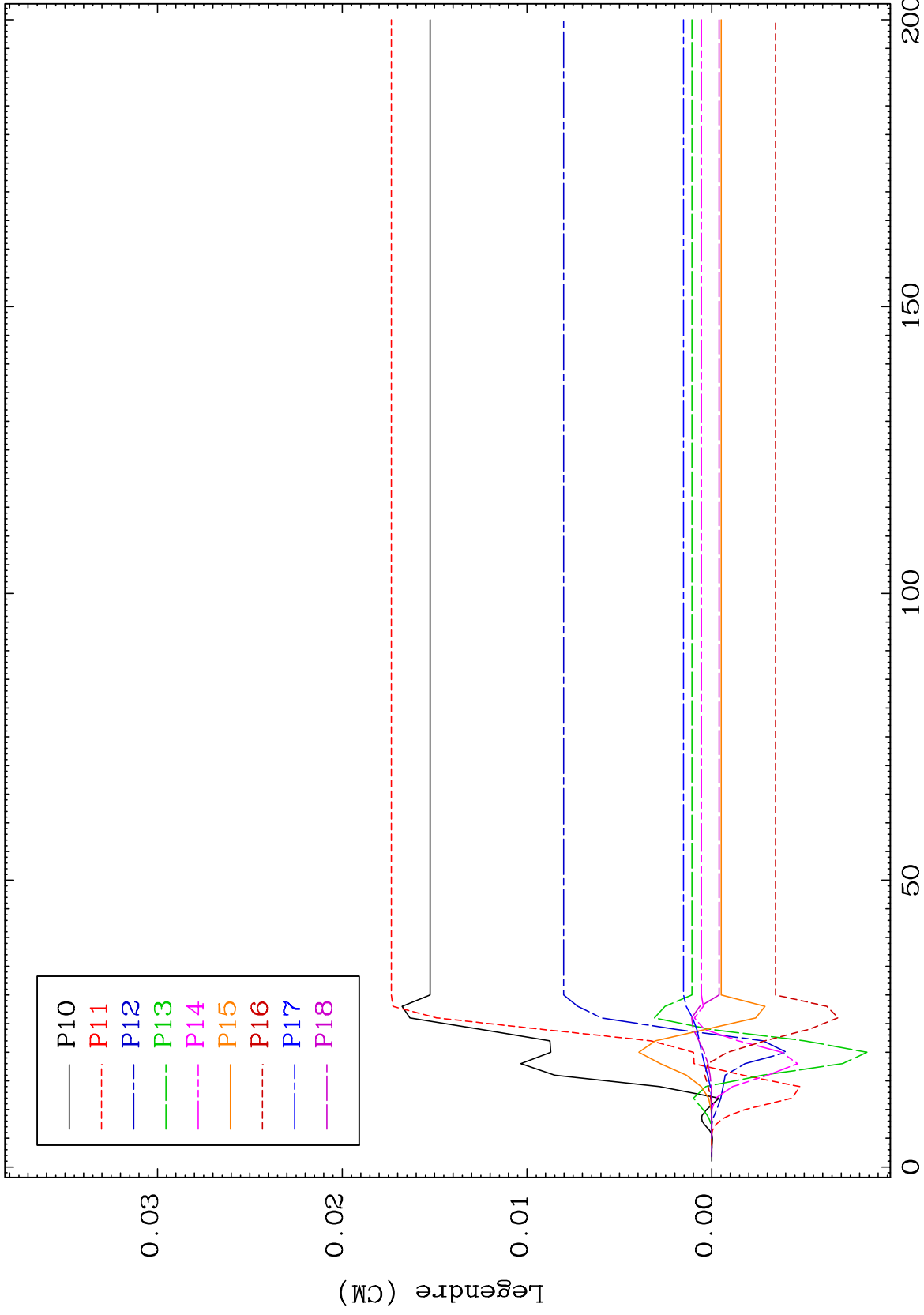
Incident Energy (MeV)

42

MAT 5910

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

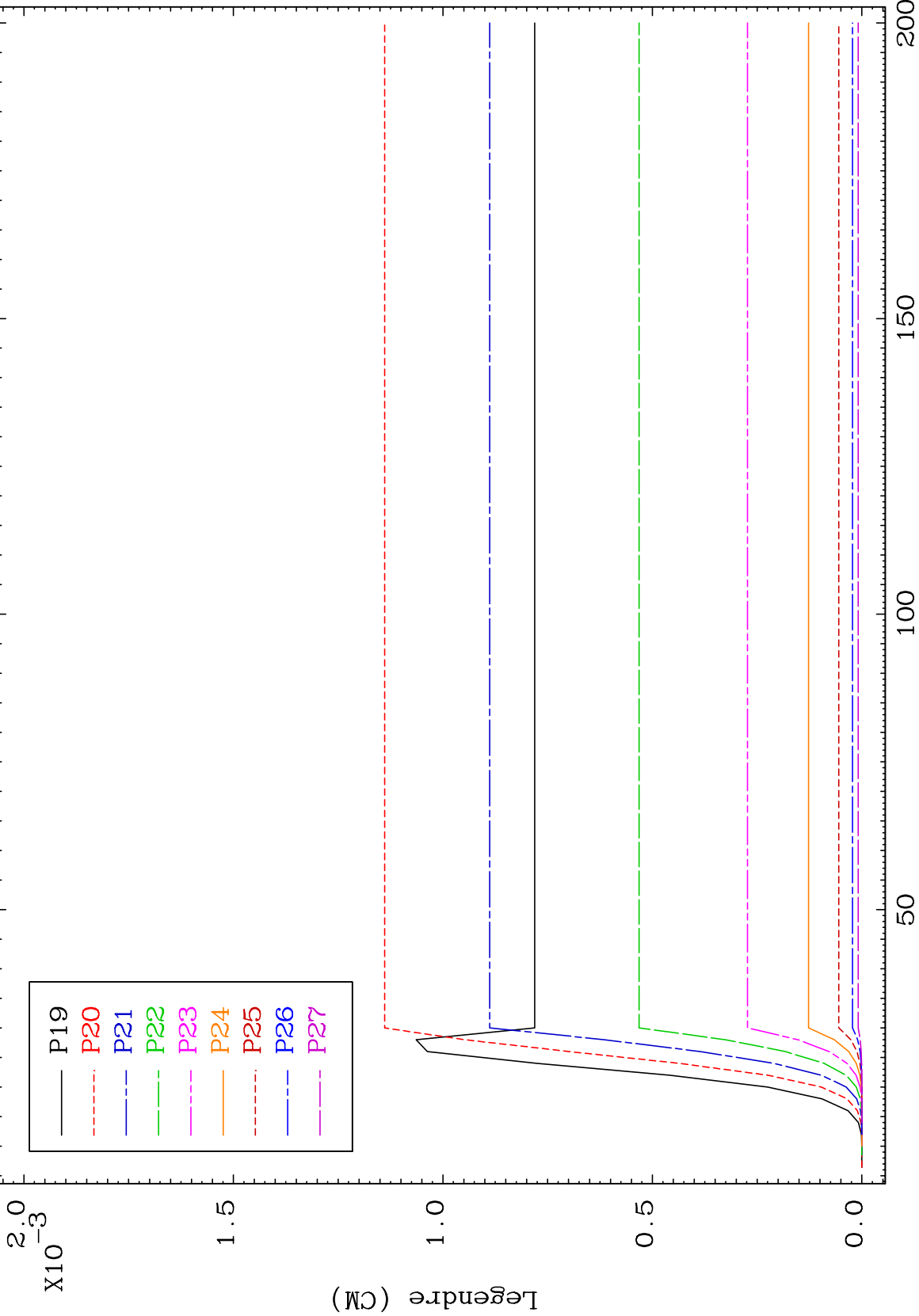
59-Pr-136



43

Incident Energy (MeV)

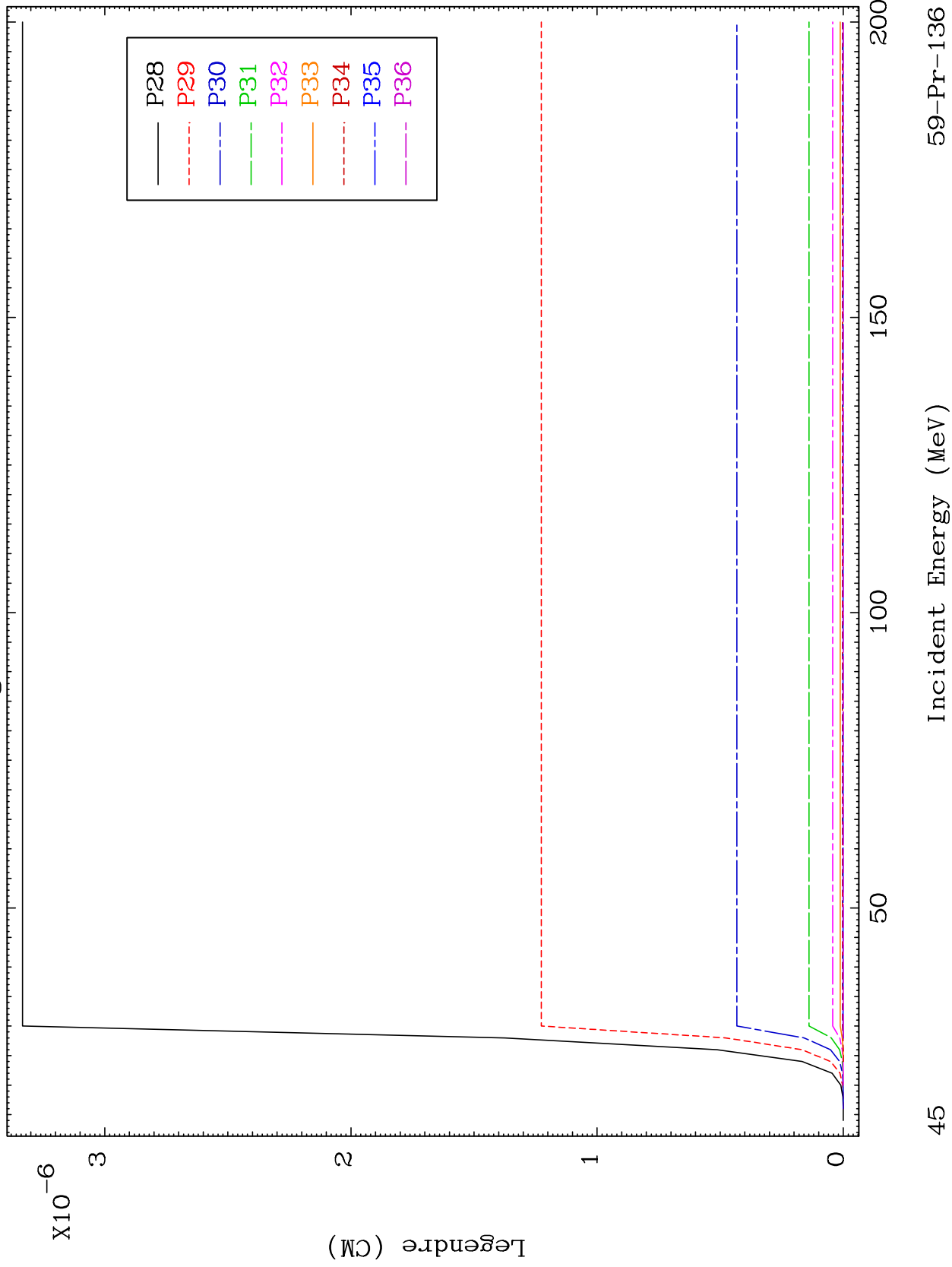
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MAT 5910

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

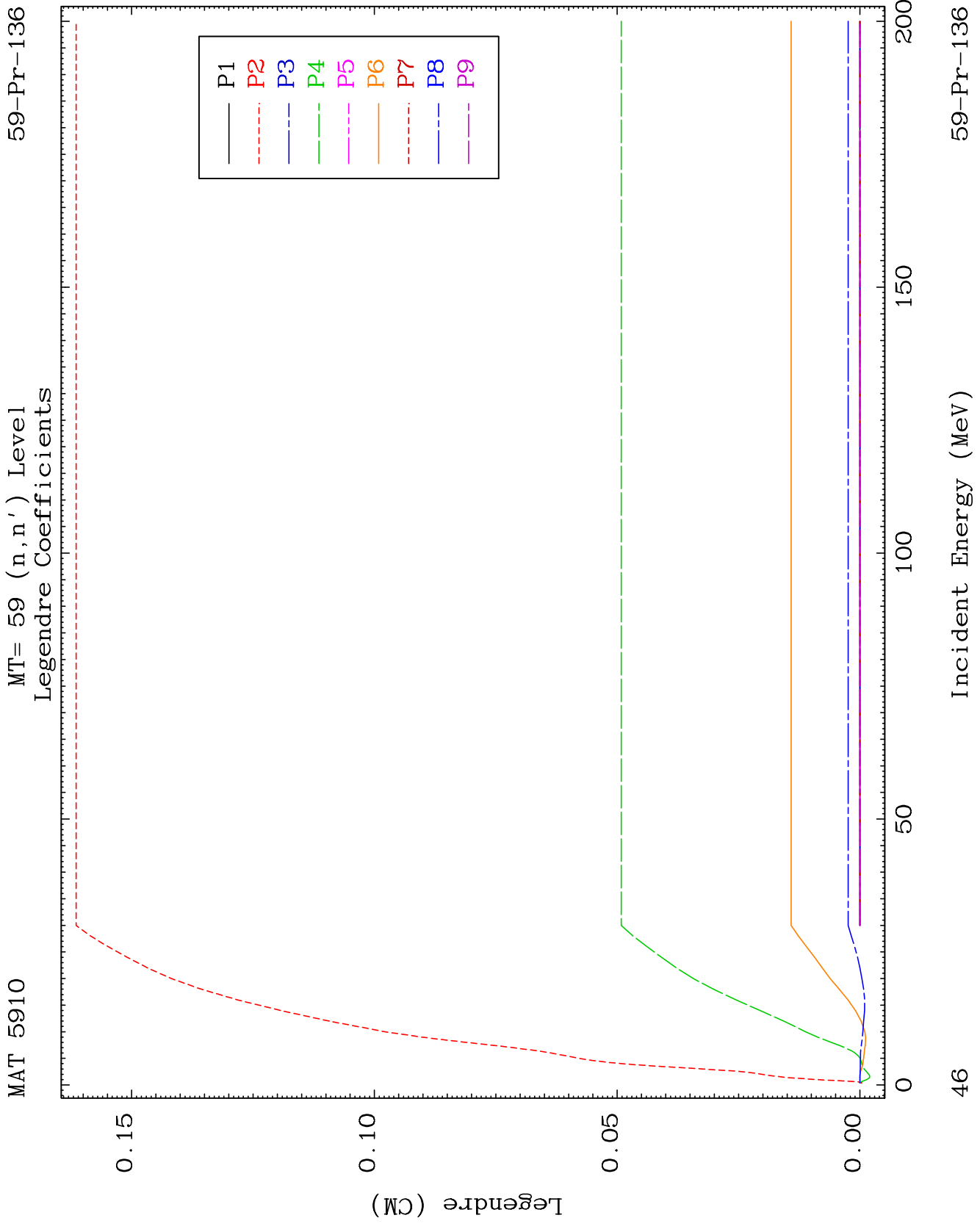
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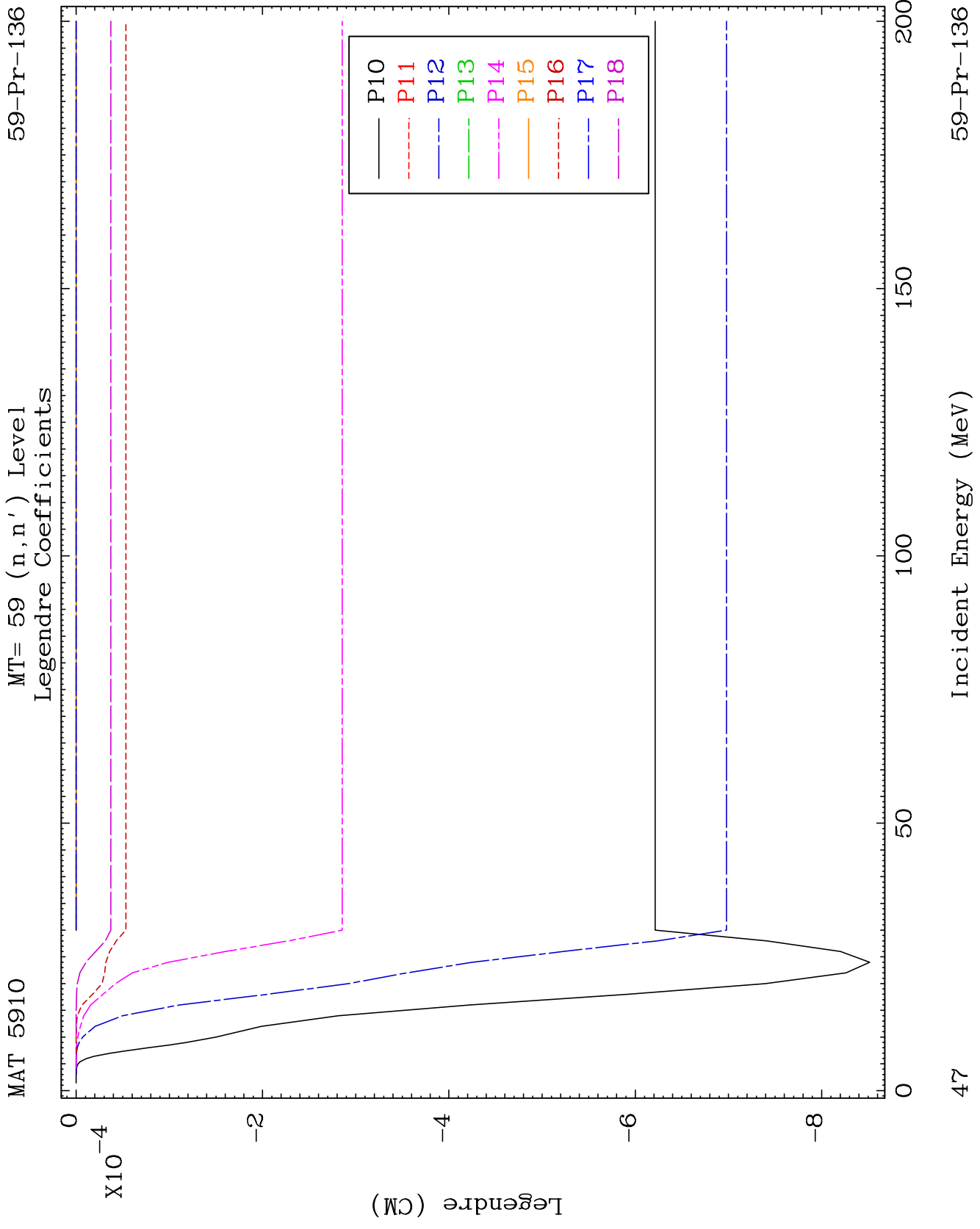


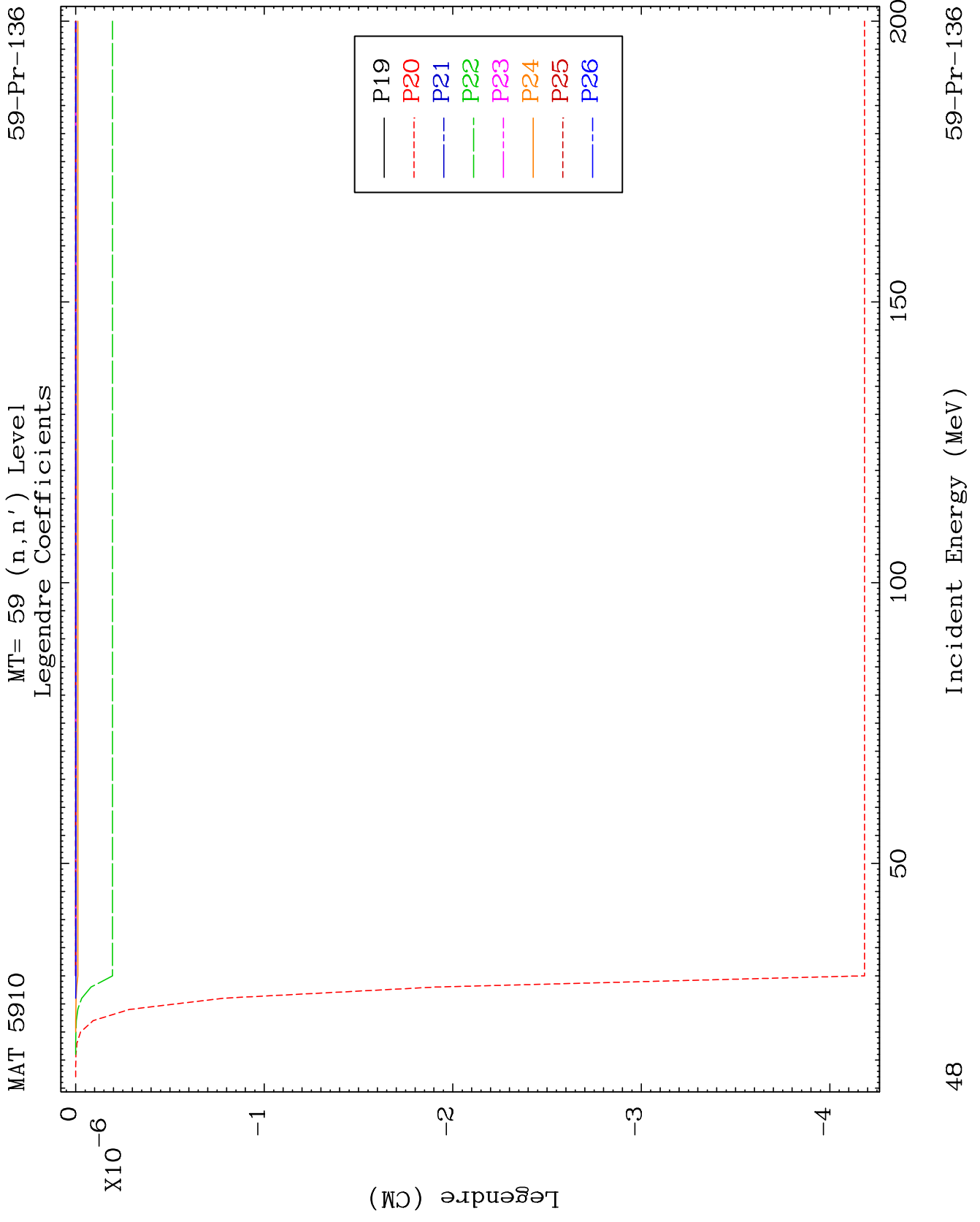
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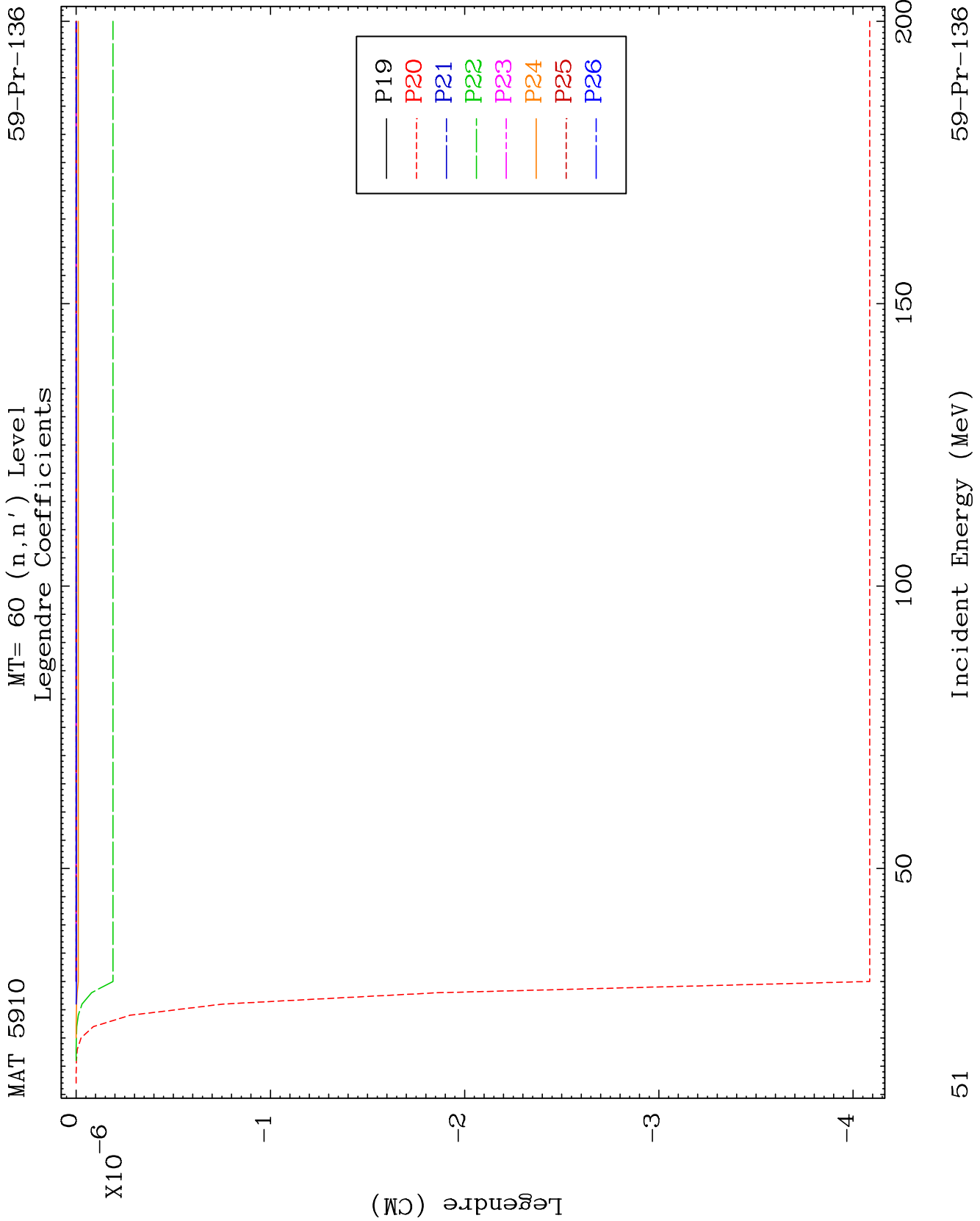
Incident Energy (MeV)

59-Pr-136





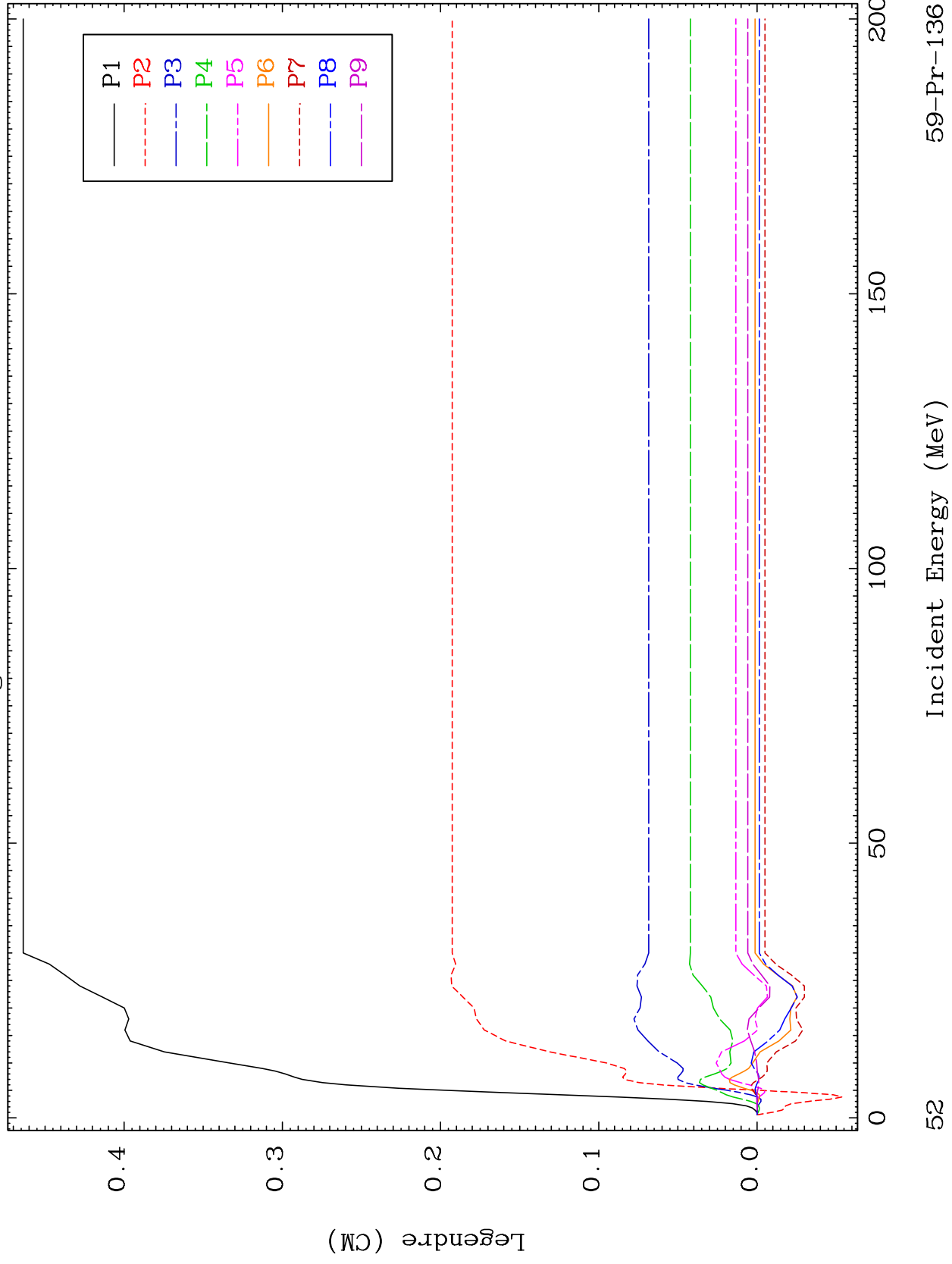




MAT 5910

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

59-Pr-136



59-Pr-136

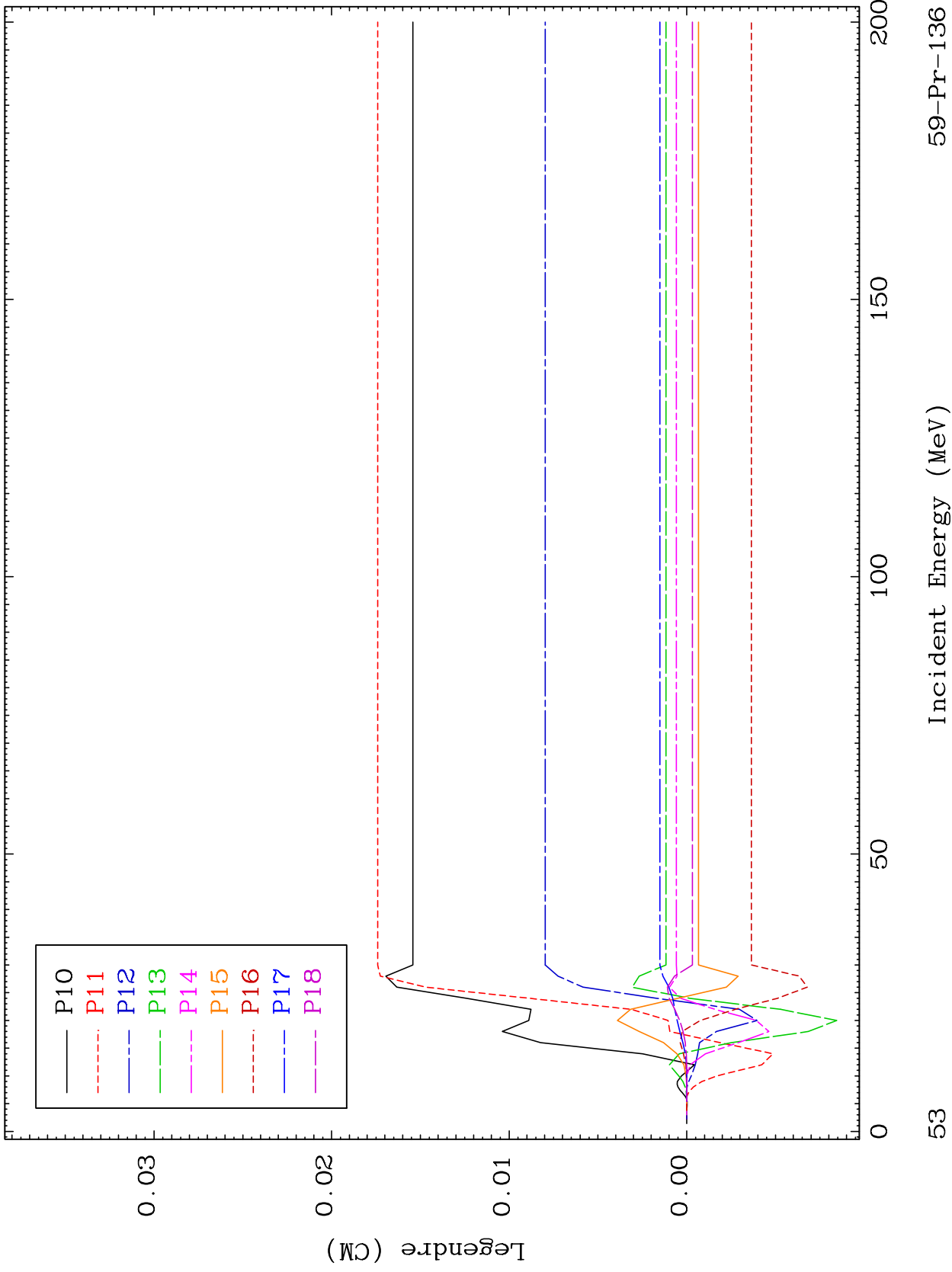
Incident Energy (MeV)

52

MAT 5910

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

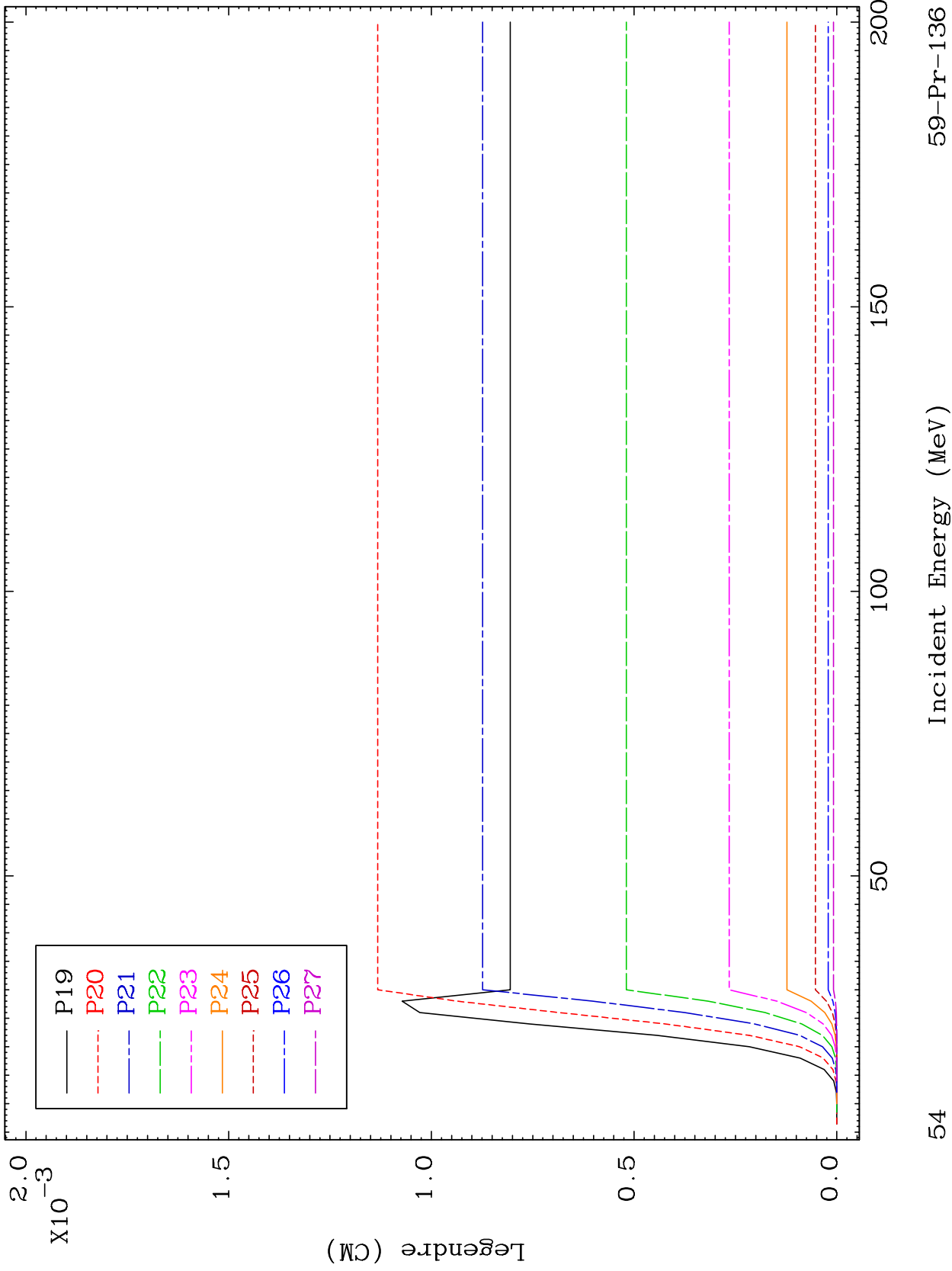
59-Pr-136



53

Incident Energy (MeV)

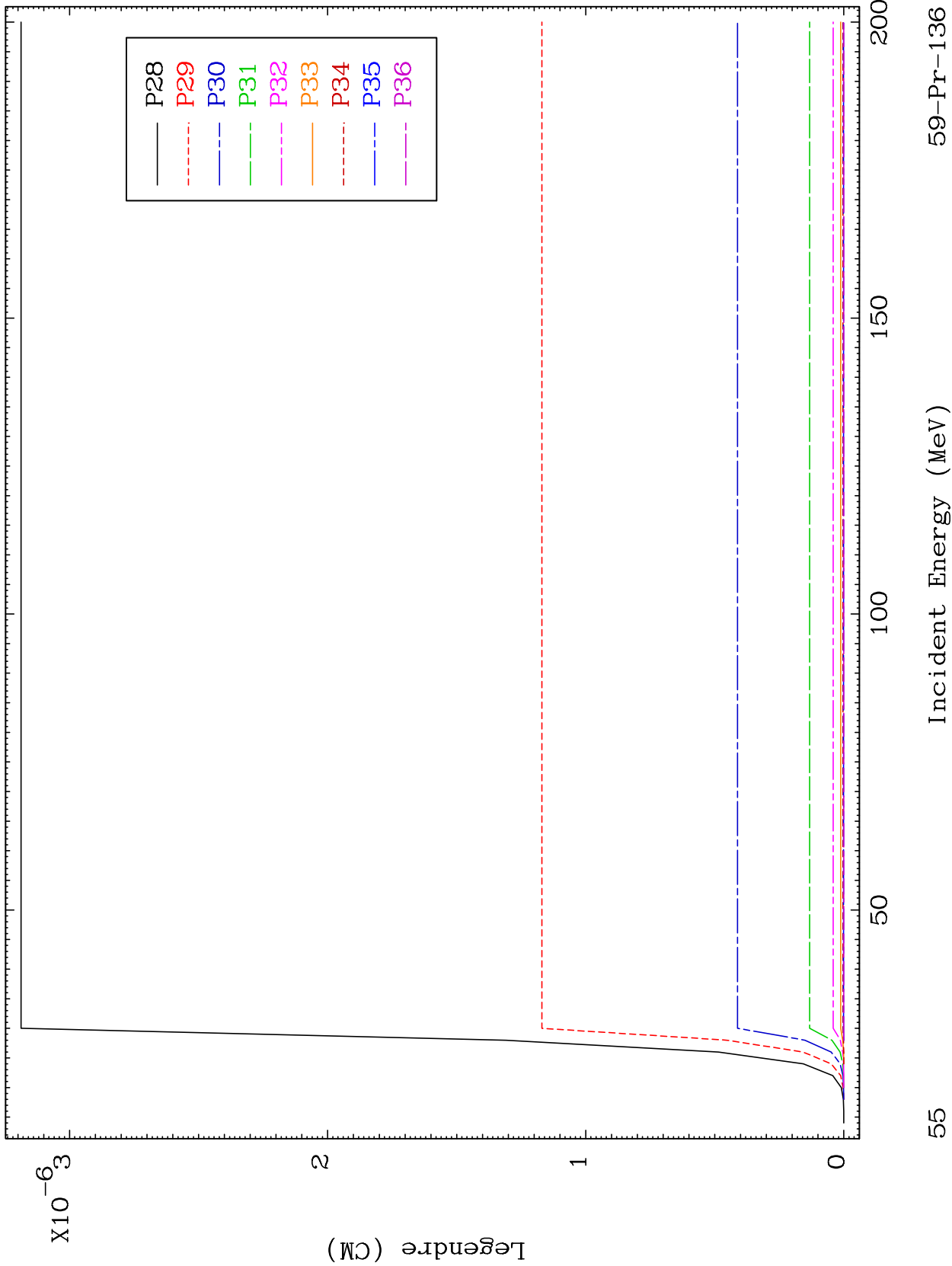
59-Pr-136



MAT 5910

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

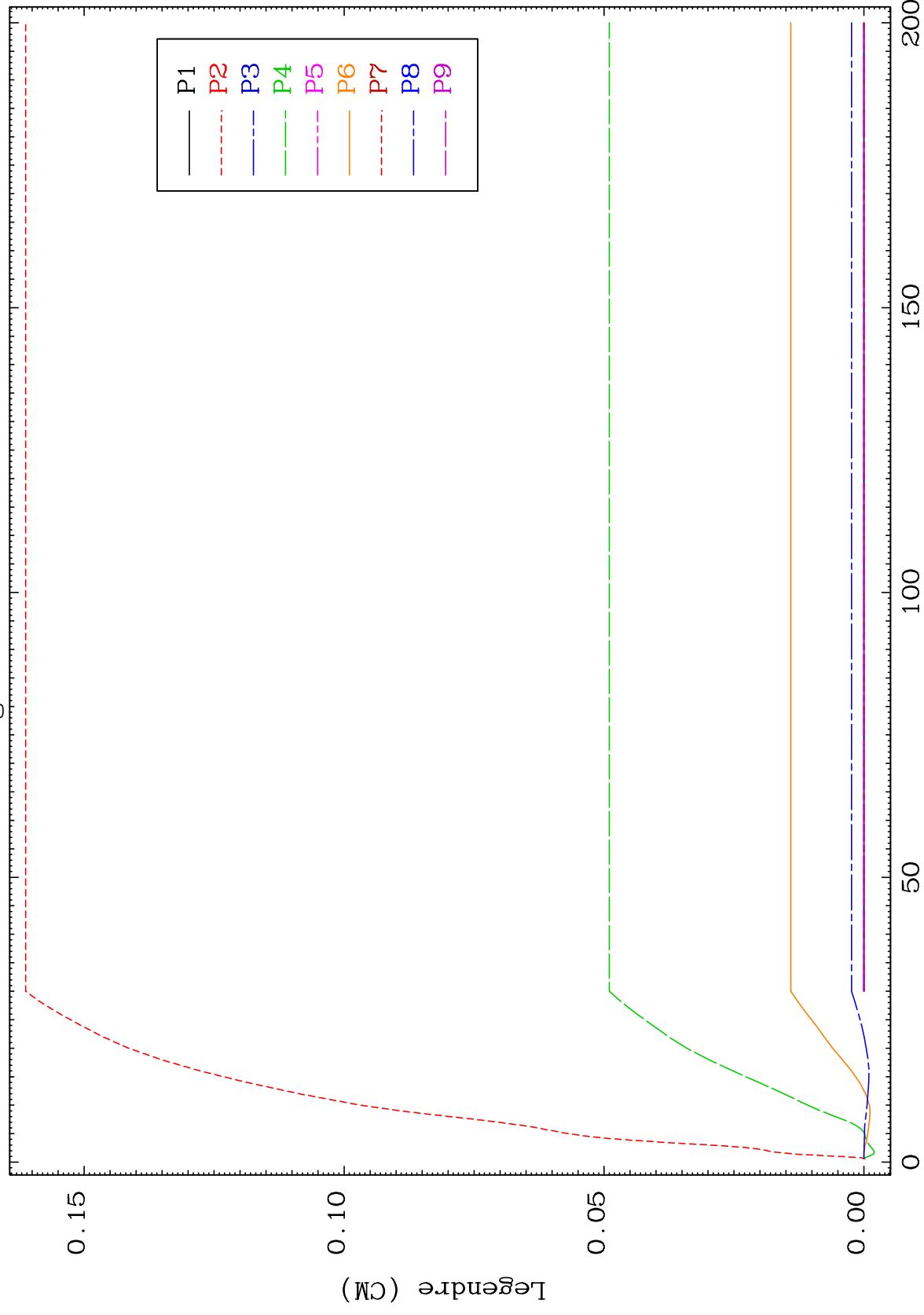
59-Pr-136



MAT 5910

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

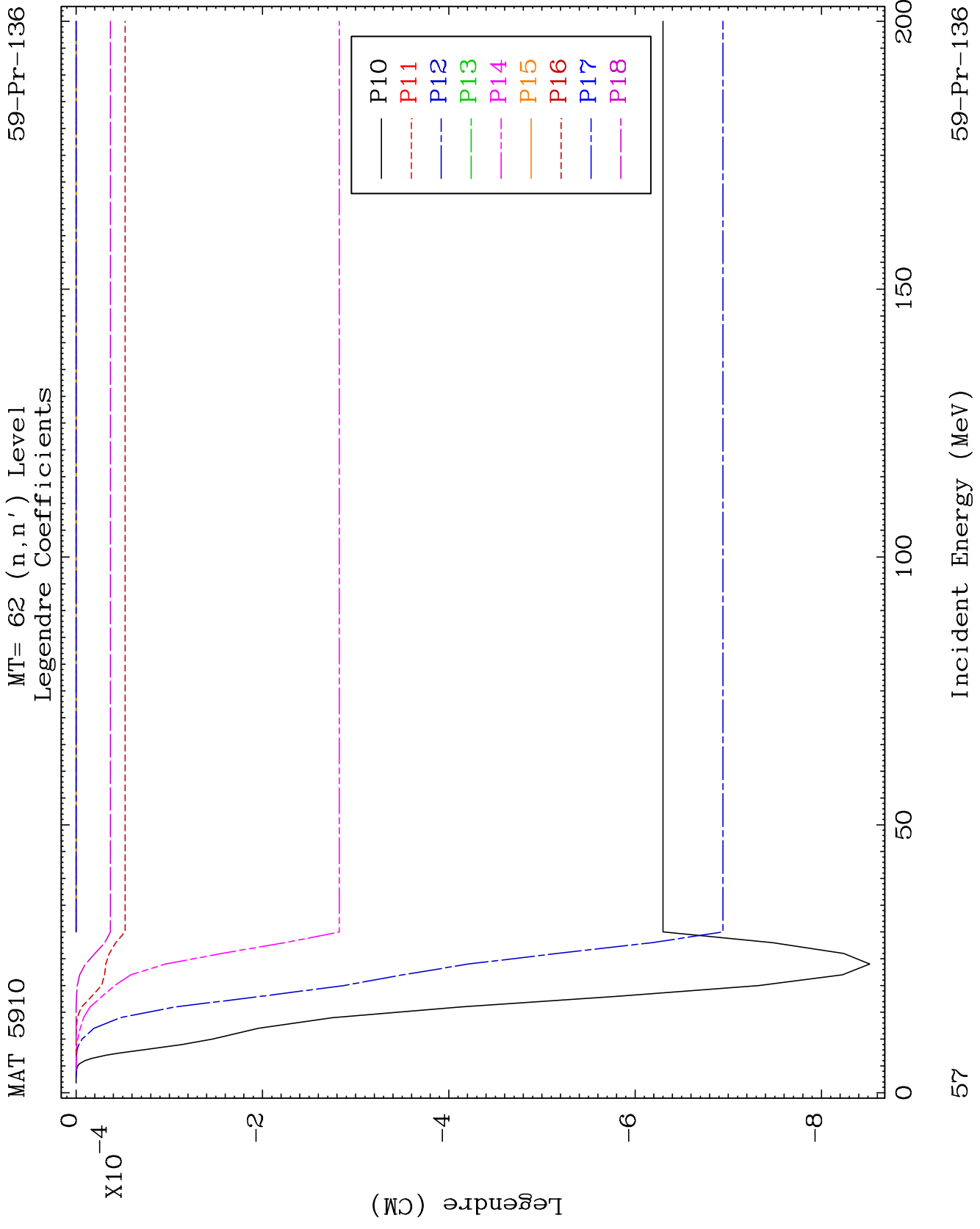
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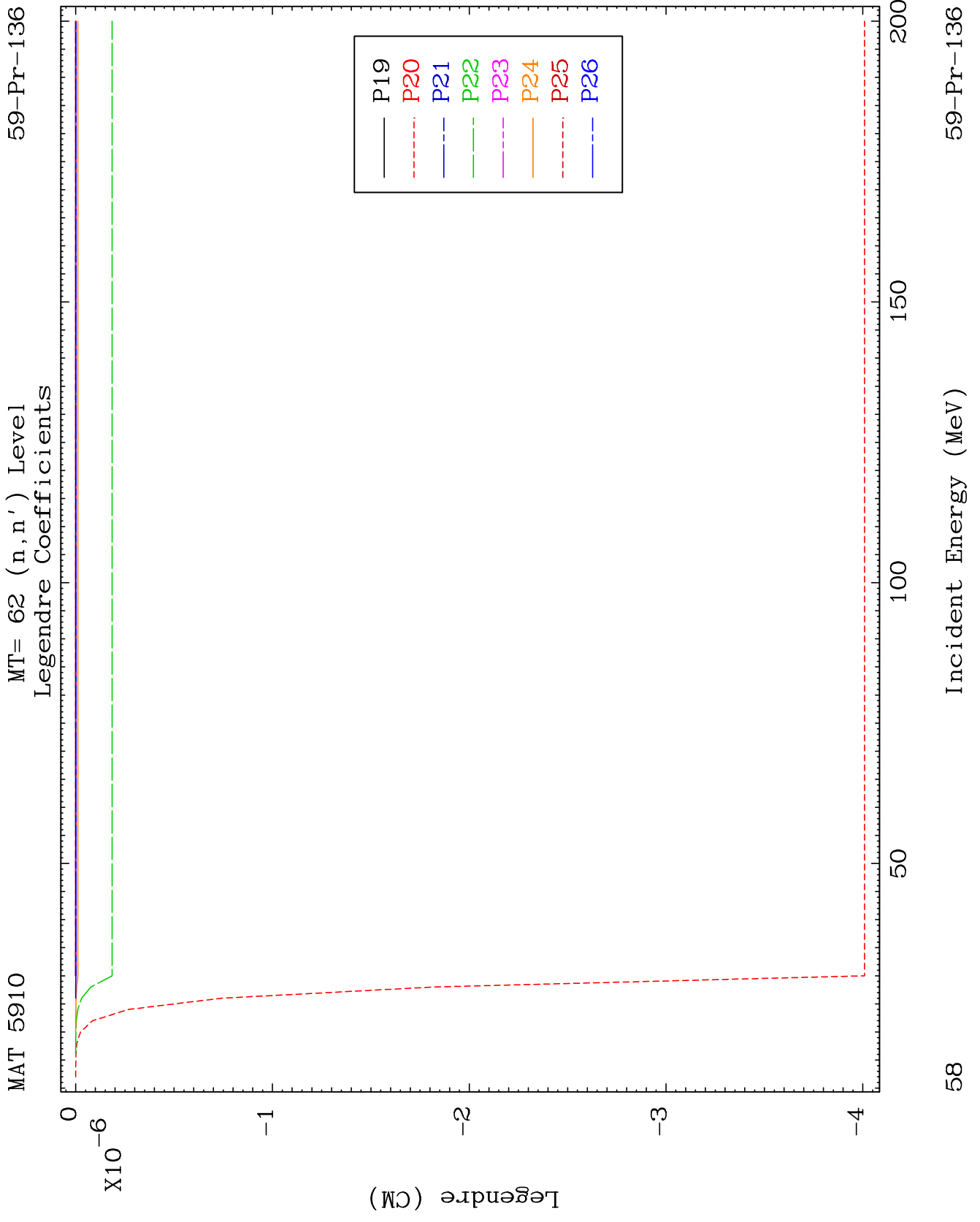


59-Pr-136

Incident Energy (MeV)

56

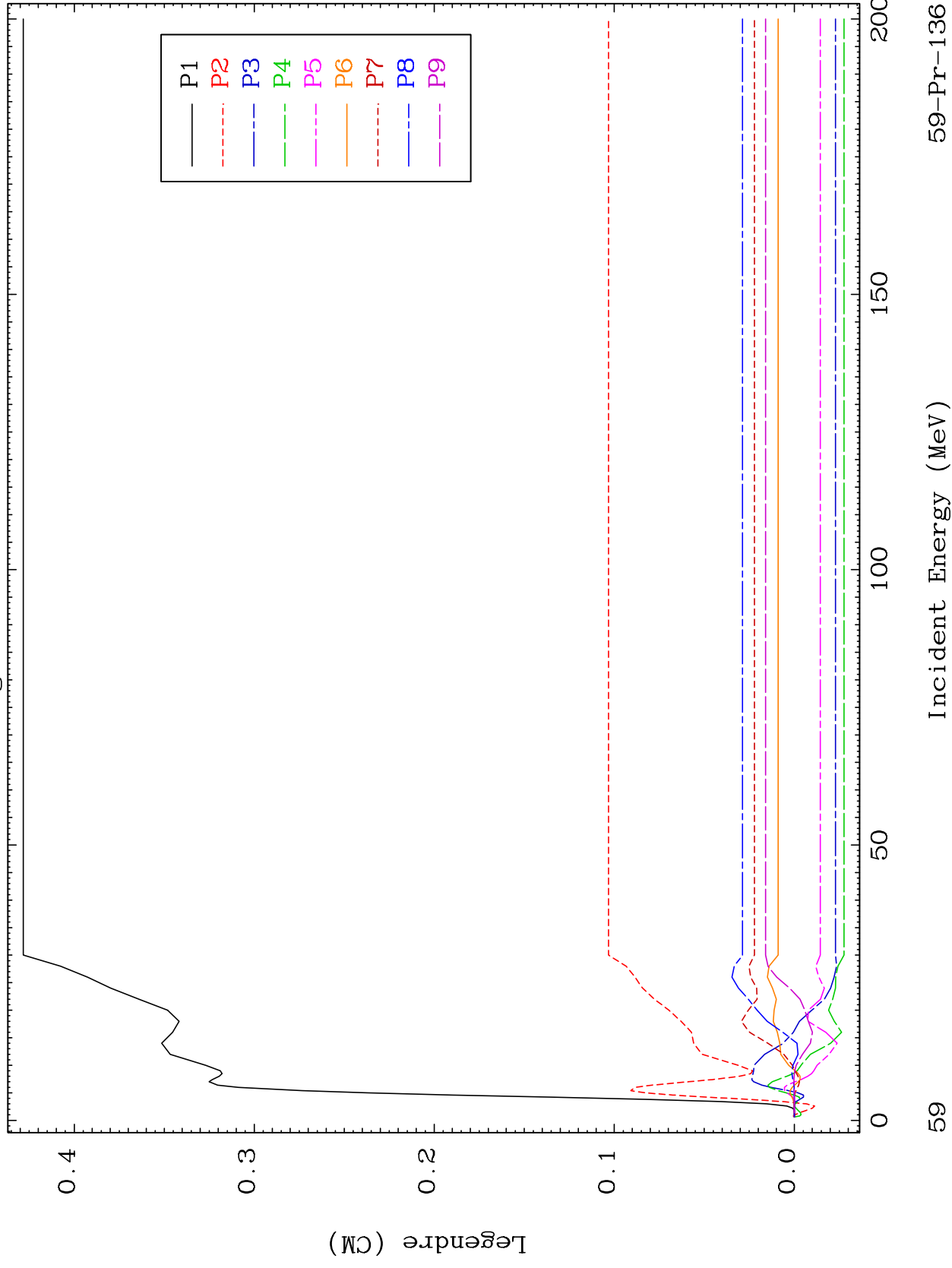




MAT 5910

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

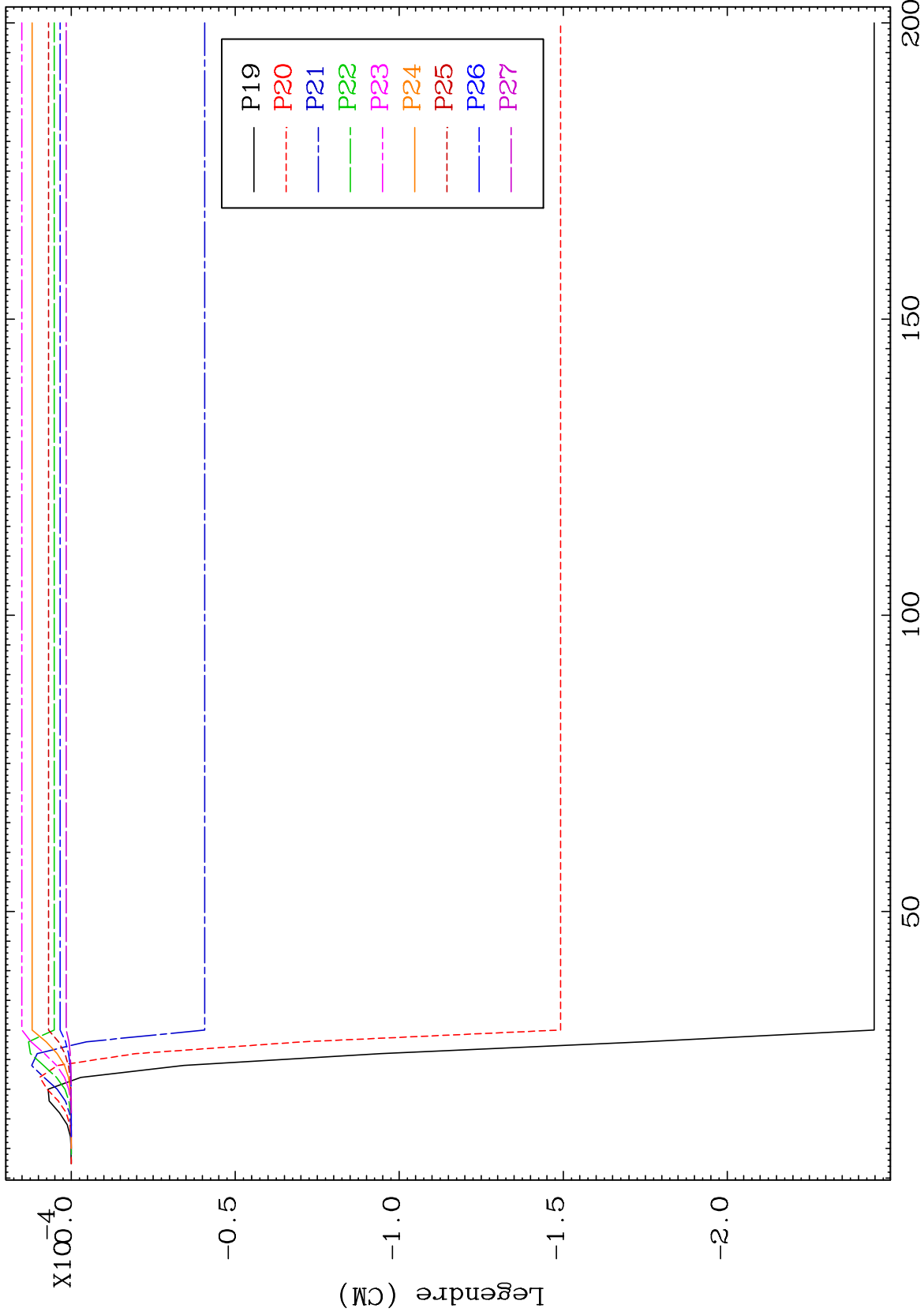
59-Pr-136



59

Incident Energy (MeV)

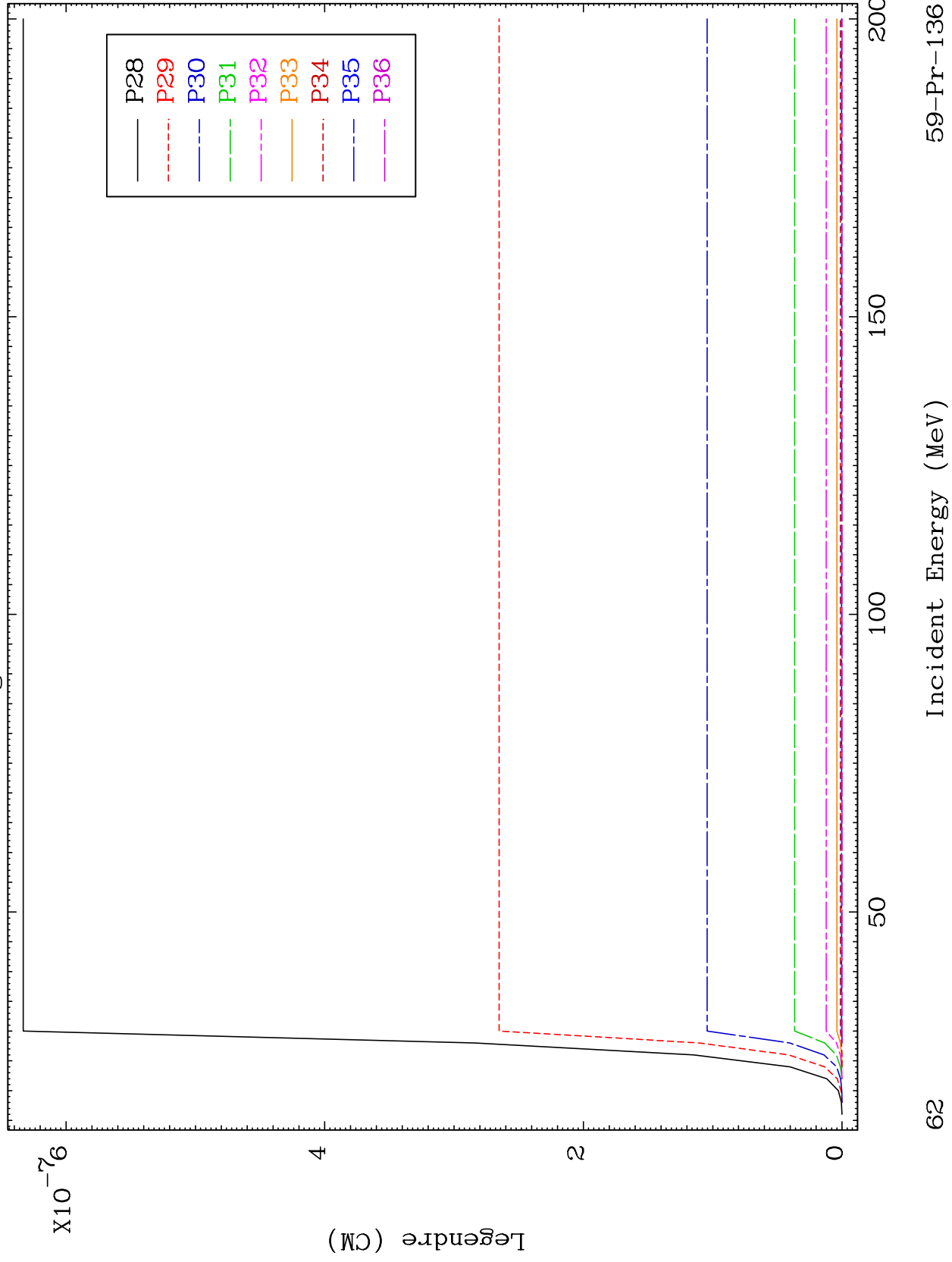
59-Pr-136



MAT 5910

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

59-Pr-136



62

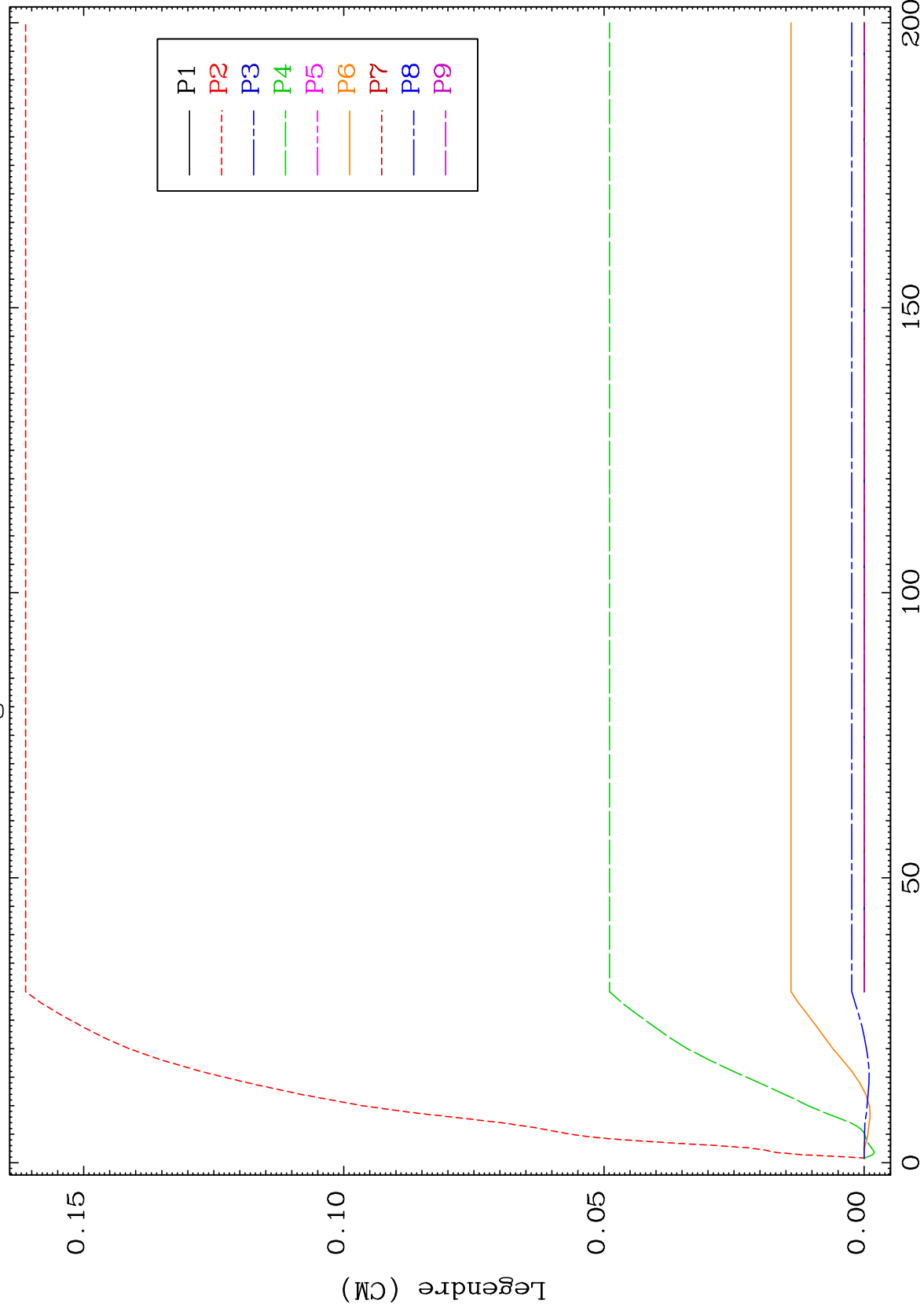
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

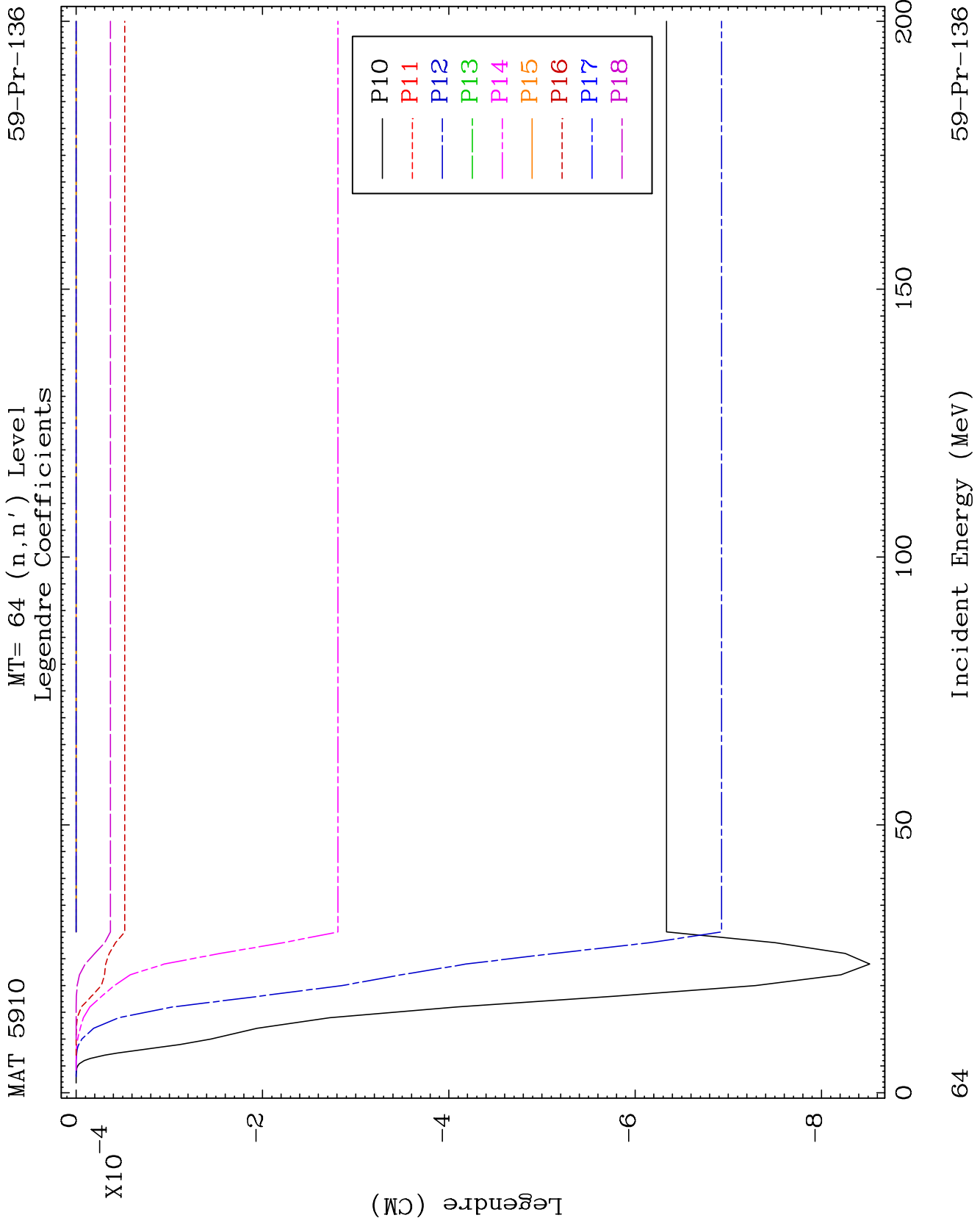
59-Pr-136



59-Pr-136

Incident Energy (MeV)

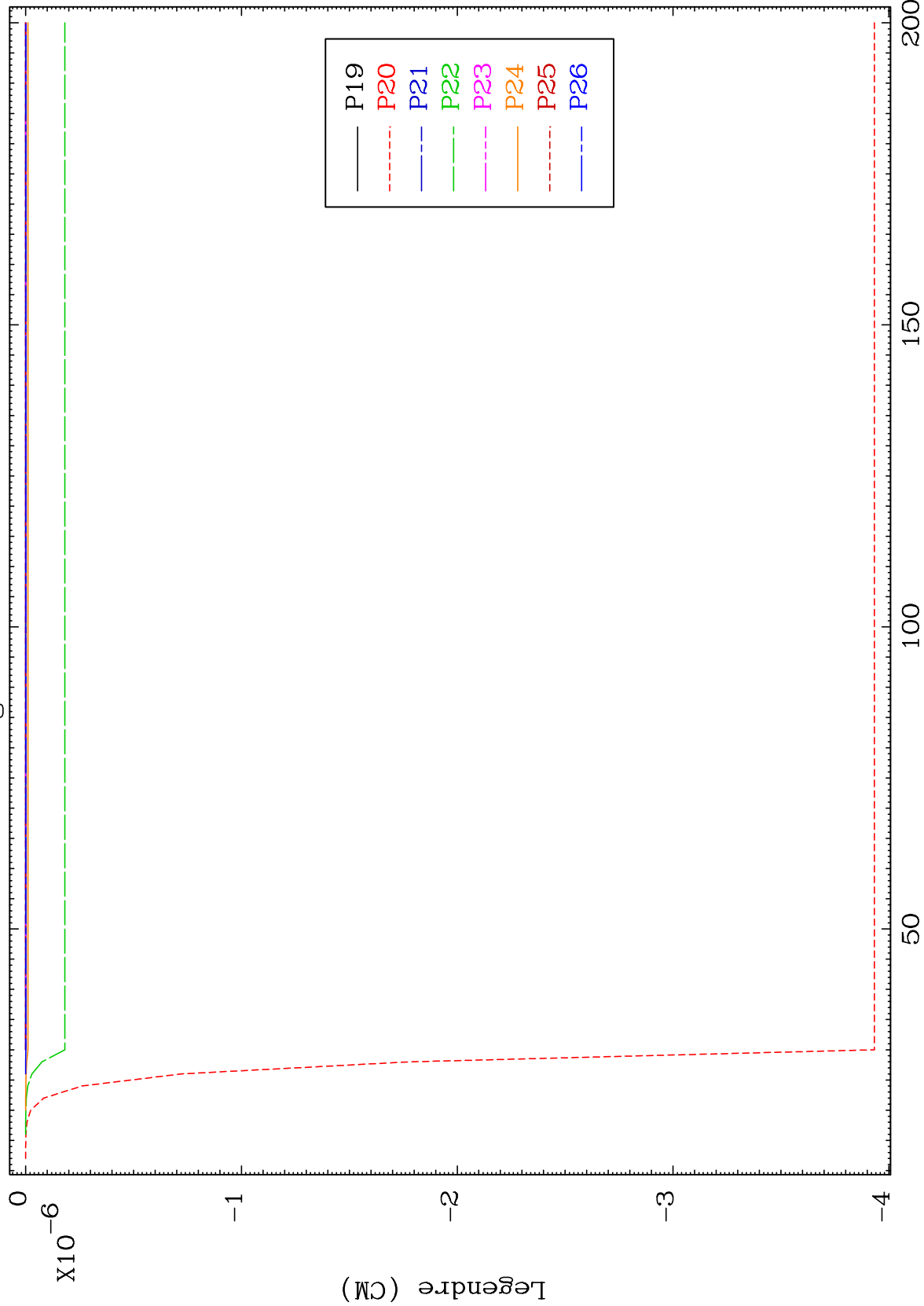
63



MAT 5910

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

59-Pr-136



59-Pr-136

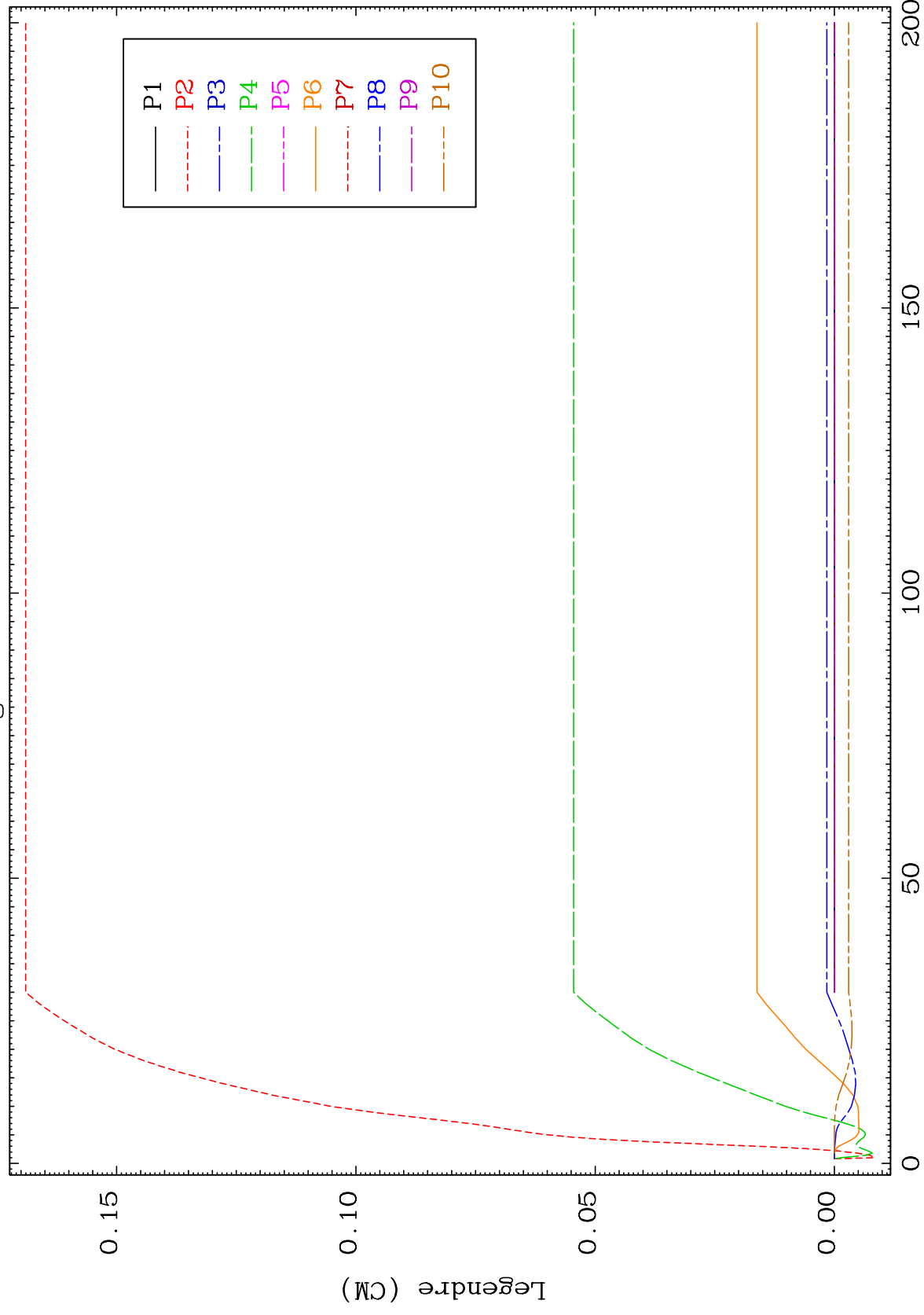
Incident Energy (MeV)

65

MAT 5910

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

59-Pr-136



66

Incident Energy (MeV)

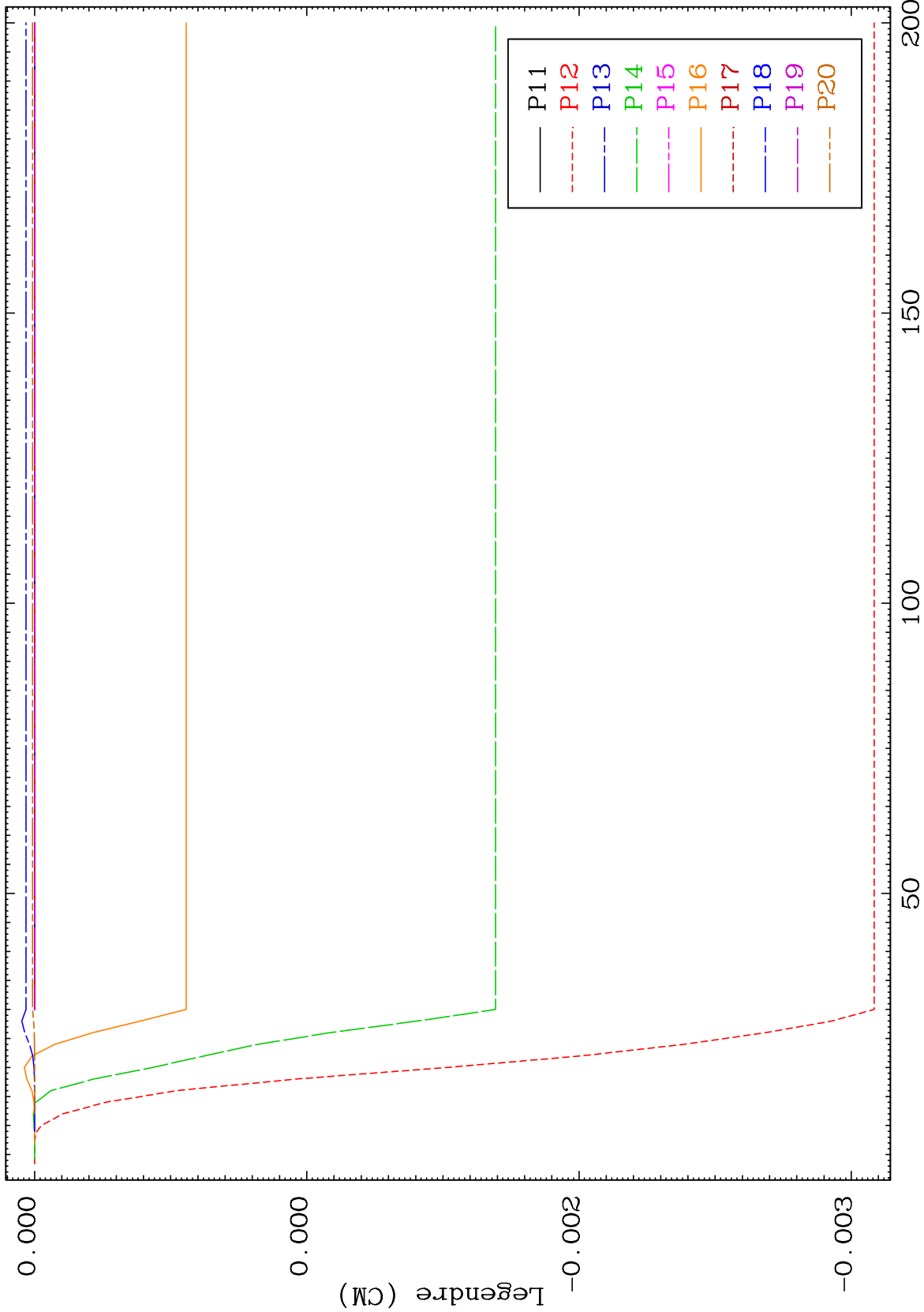
59-Pr-136

MAT 5910

MT= 65 (n,n') Level

59-Pr-136

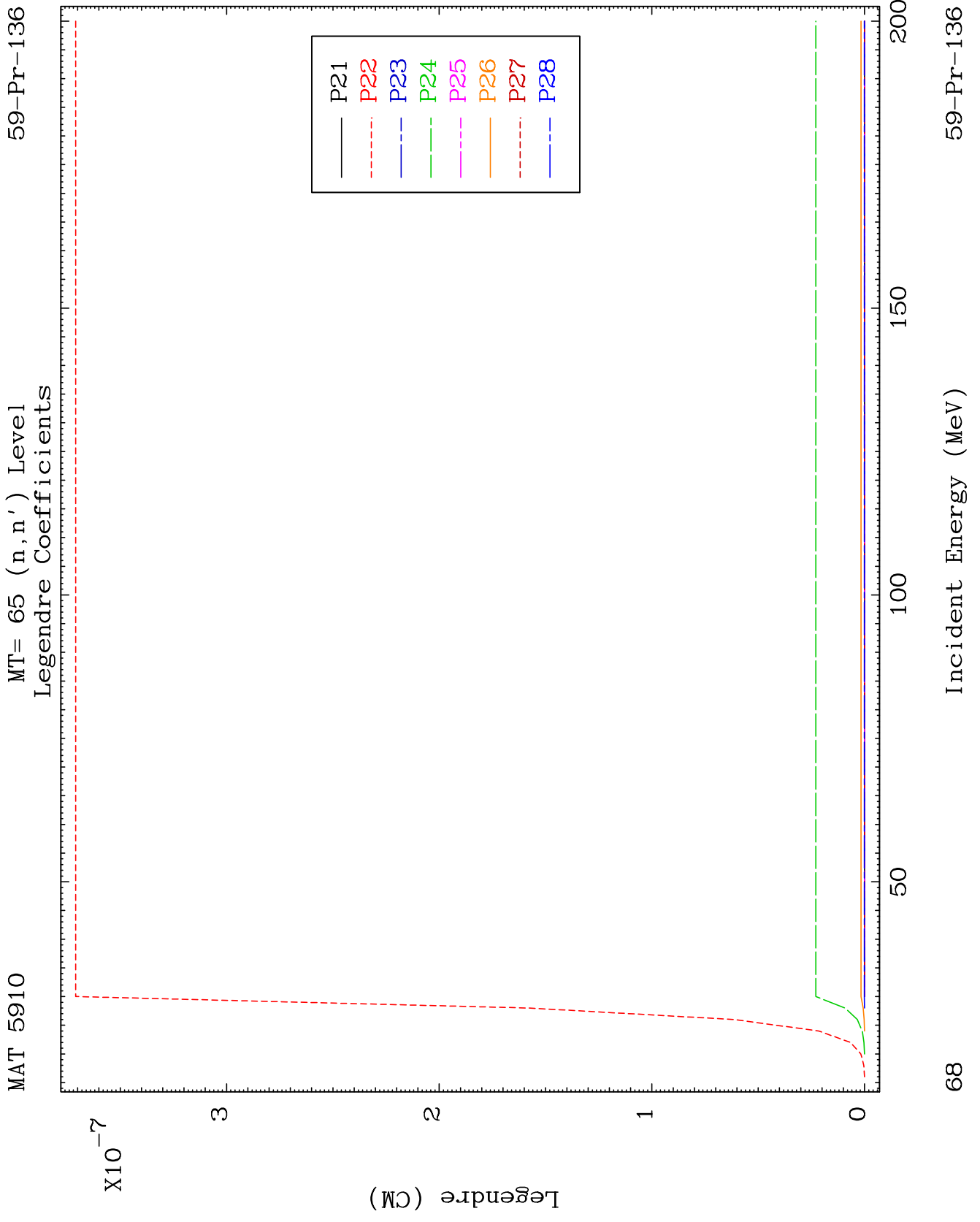
Legendre Coefficients



67

Incident Energy (MeV)

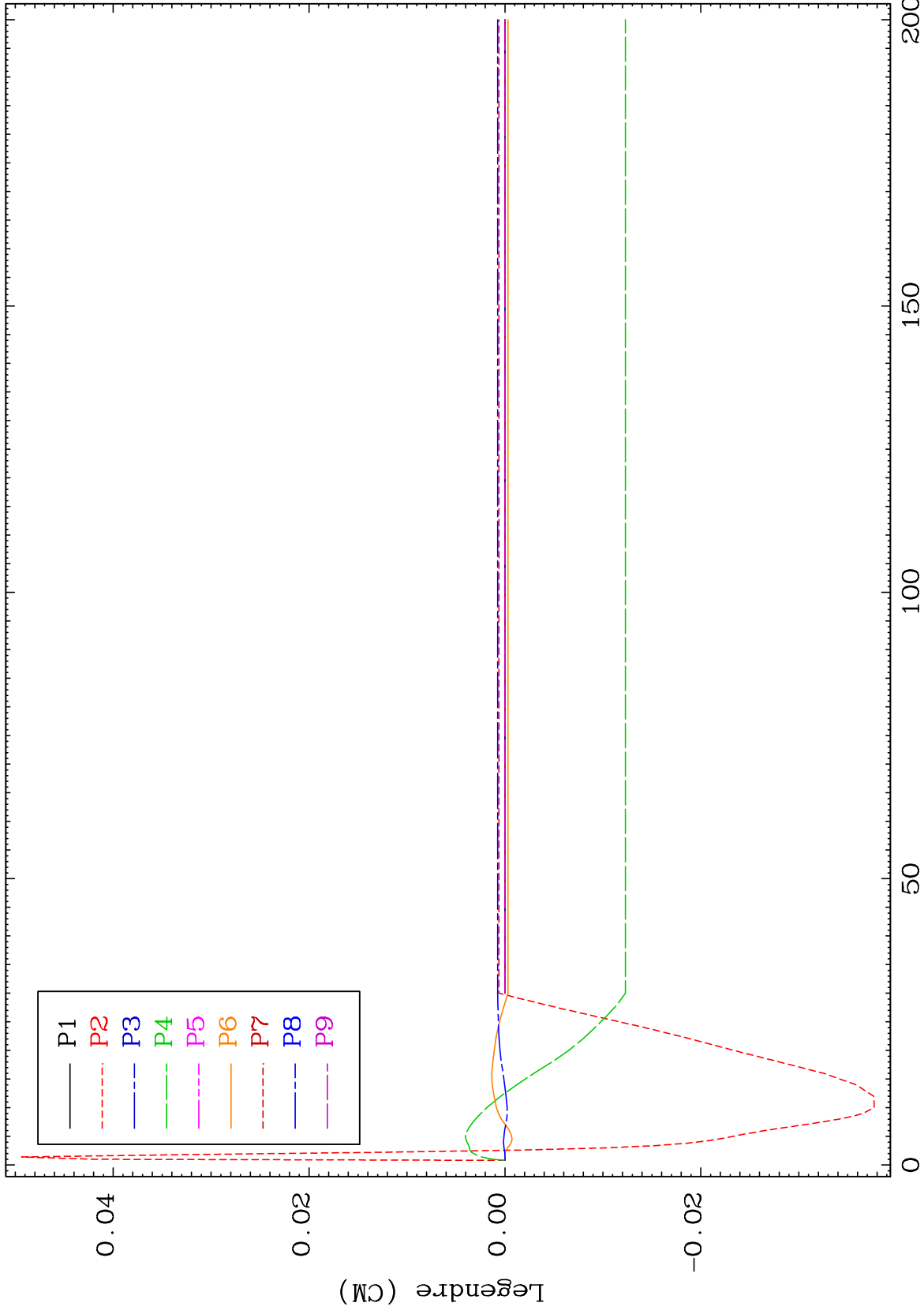
59-Pr-136



MAT 5910

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

59-Pr-136



69

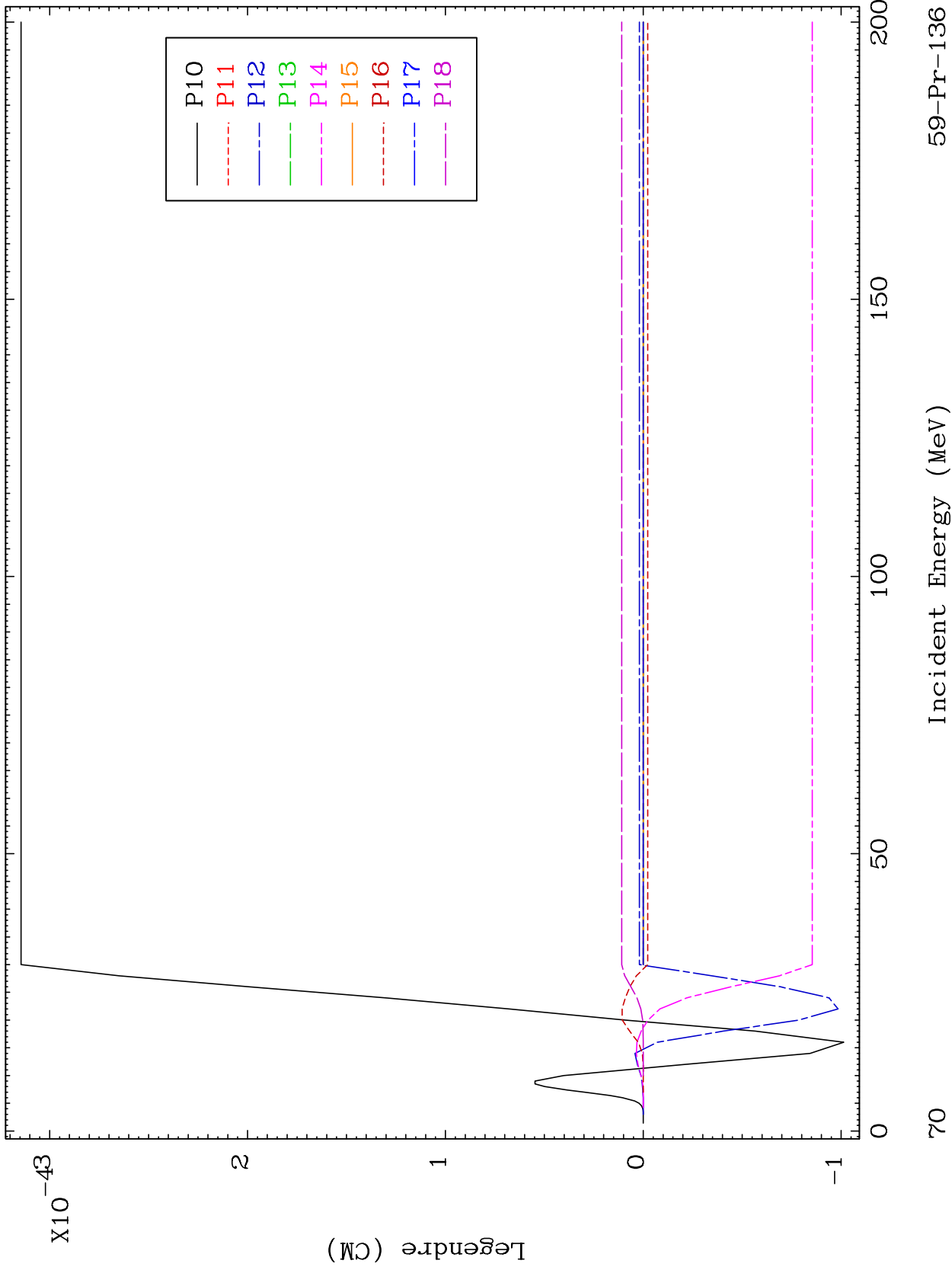
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



59-Pr-136

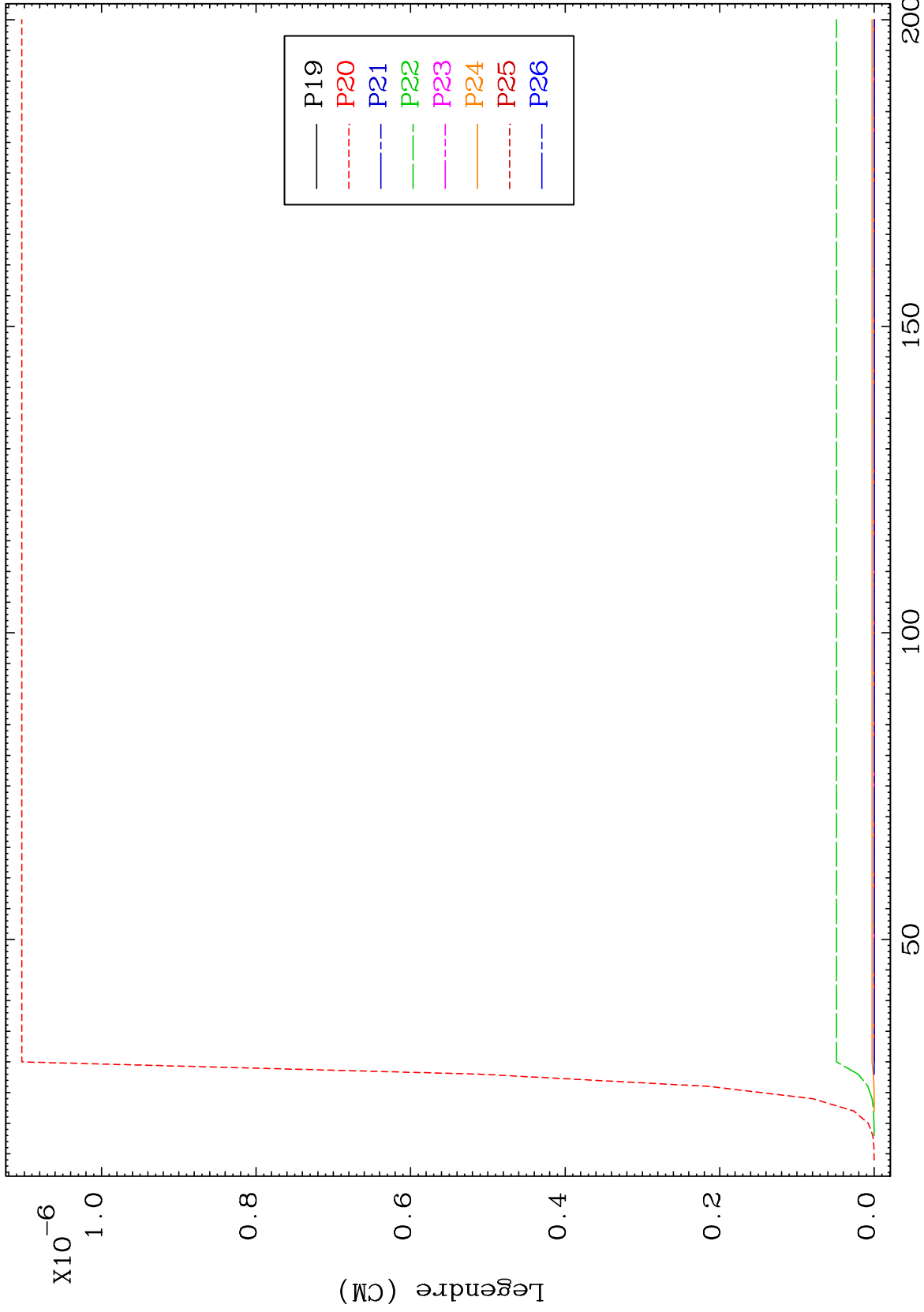
Incident Energy (MeV)

70

MAT 5910

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

59-Pr-136



71

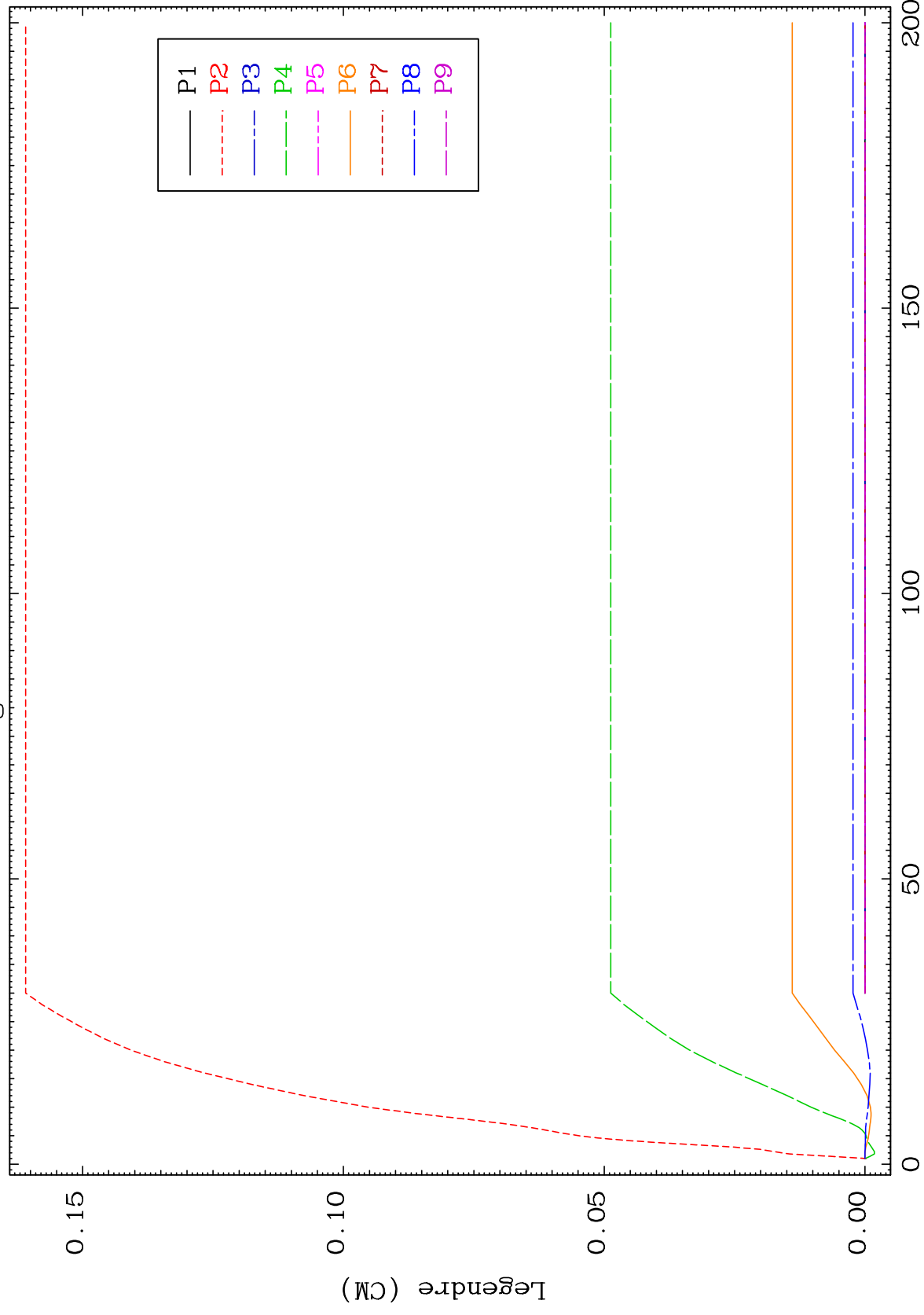
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



72

Incident Energy (MeV)

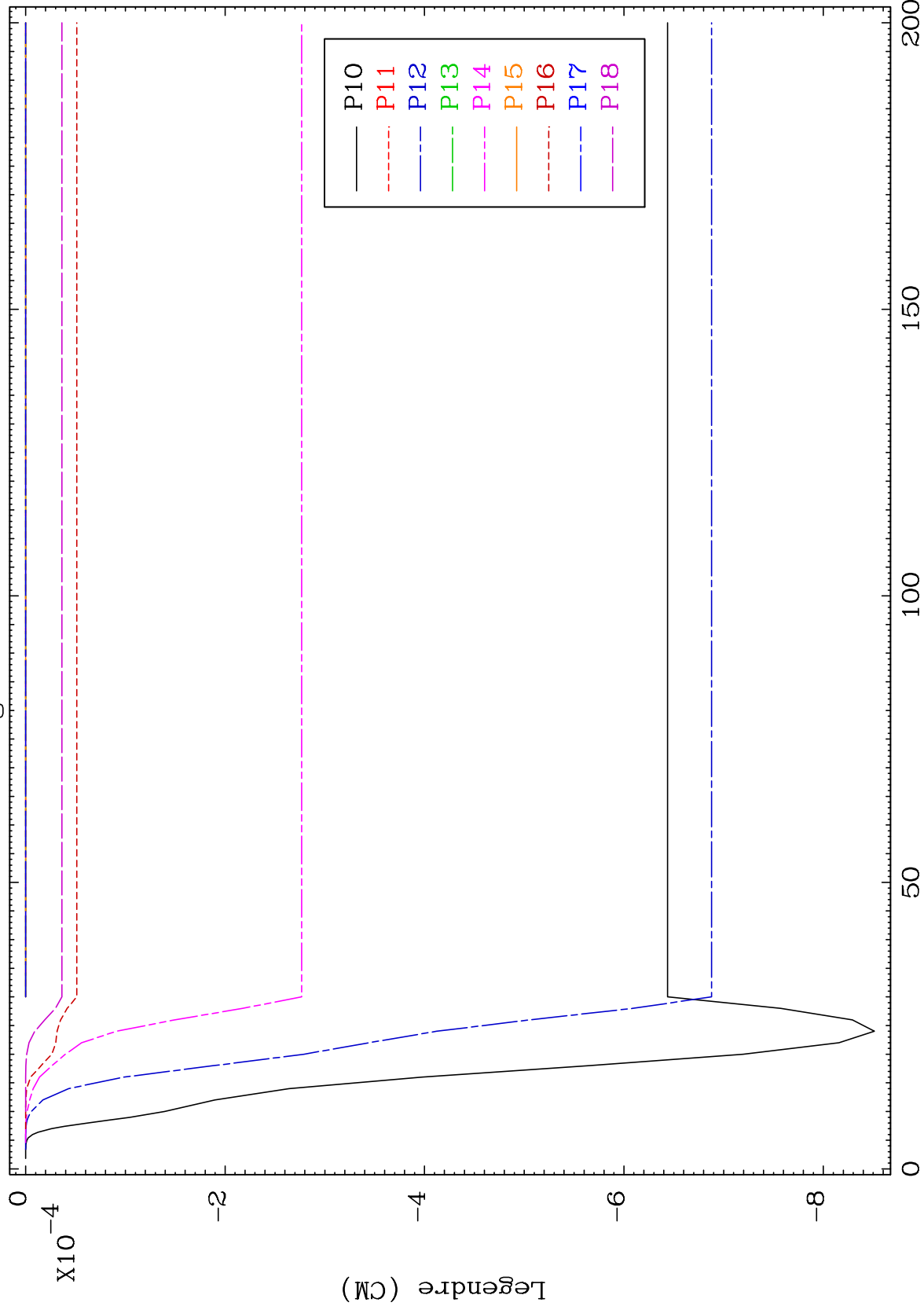
59-Pr-136

MAT 5910

MT= 67 (n,n') Level

59-Pr-136

Legendre Coefficients



59-Pr-136

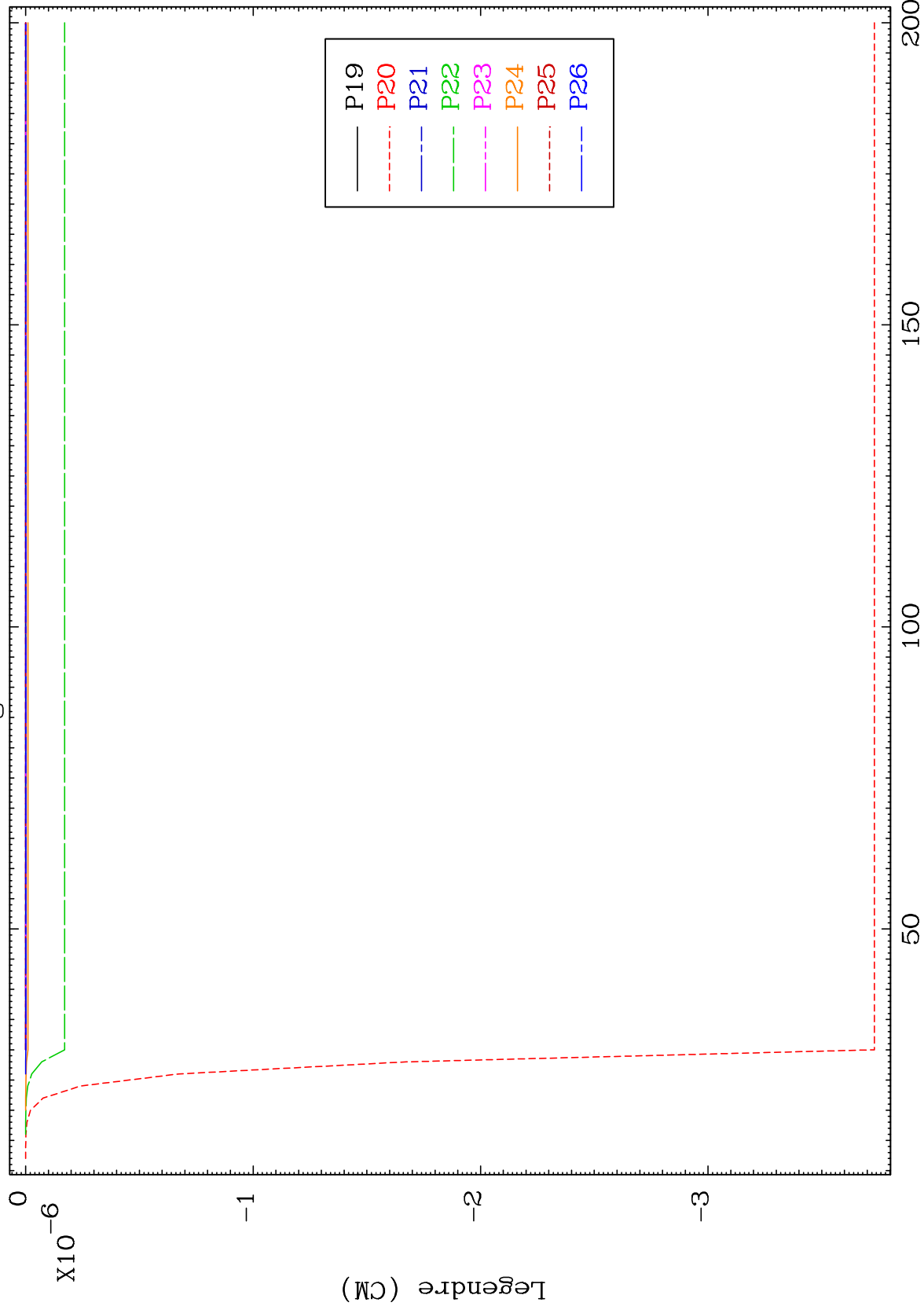
Incident Energy (MeV)

73

MAT 5910

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

59-Pr-136



59-Pr-136

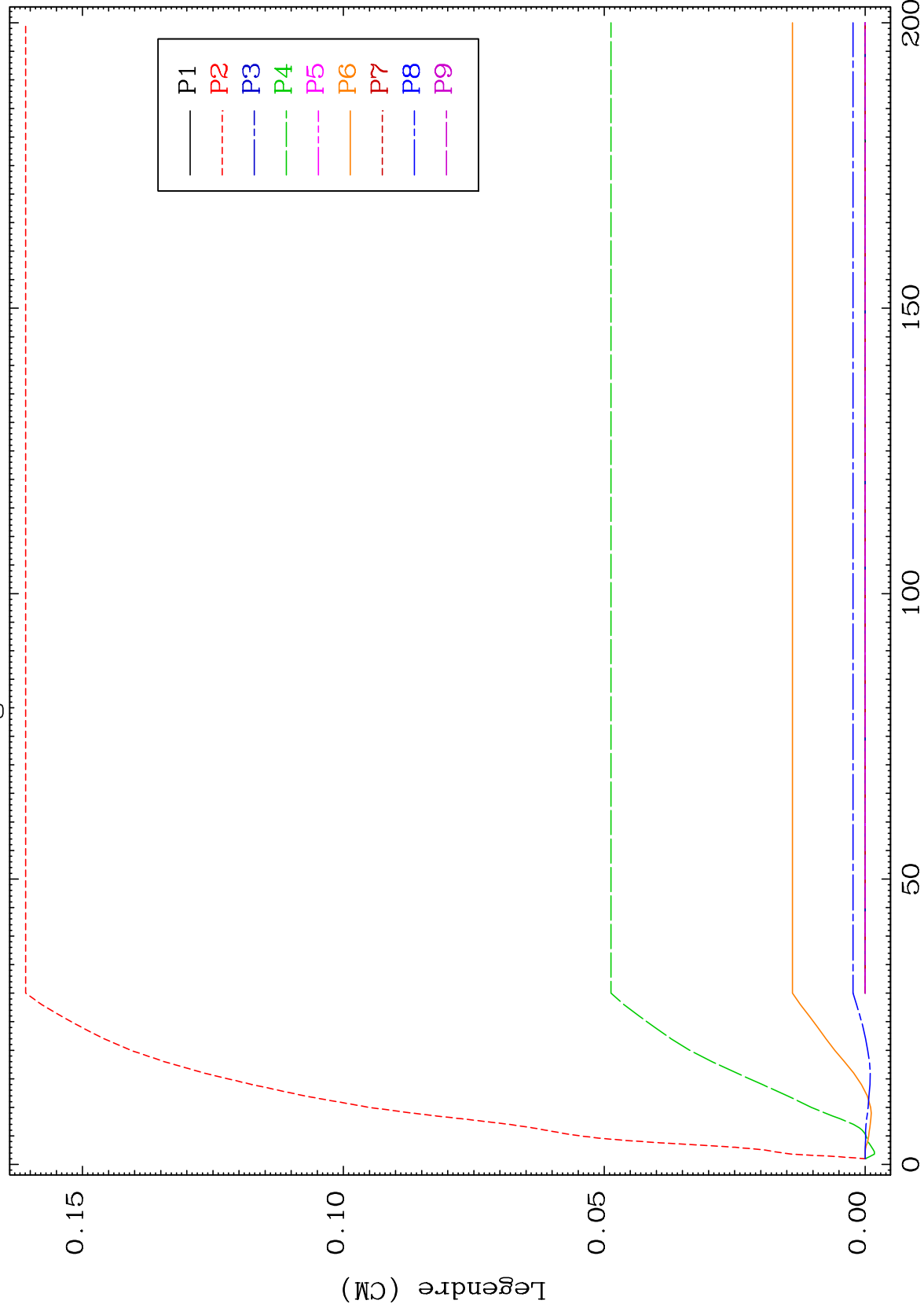
Incident Energy (MeV)

74

MAT 5910

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

59-Pr-136



59-Pr-136

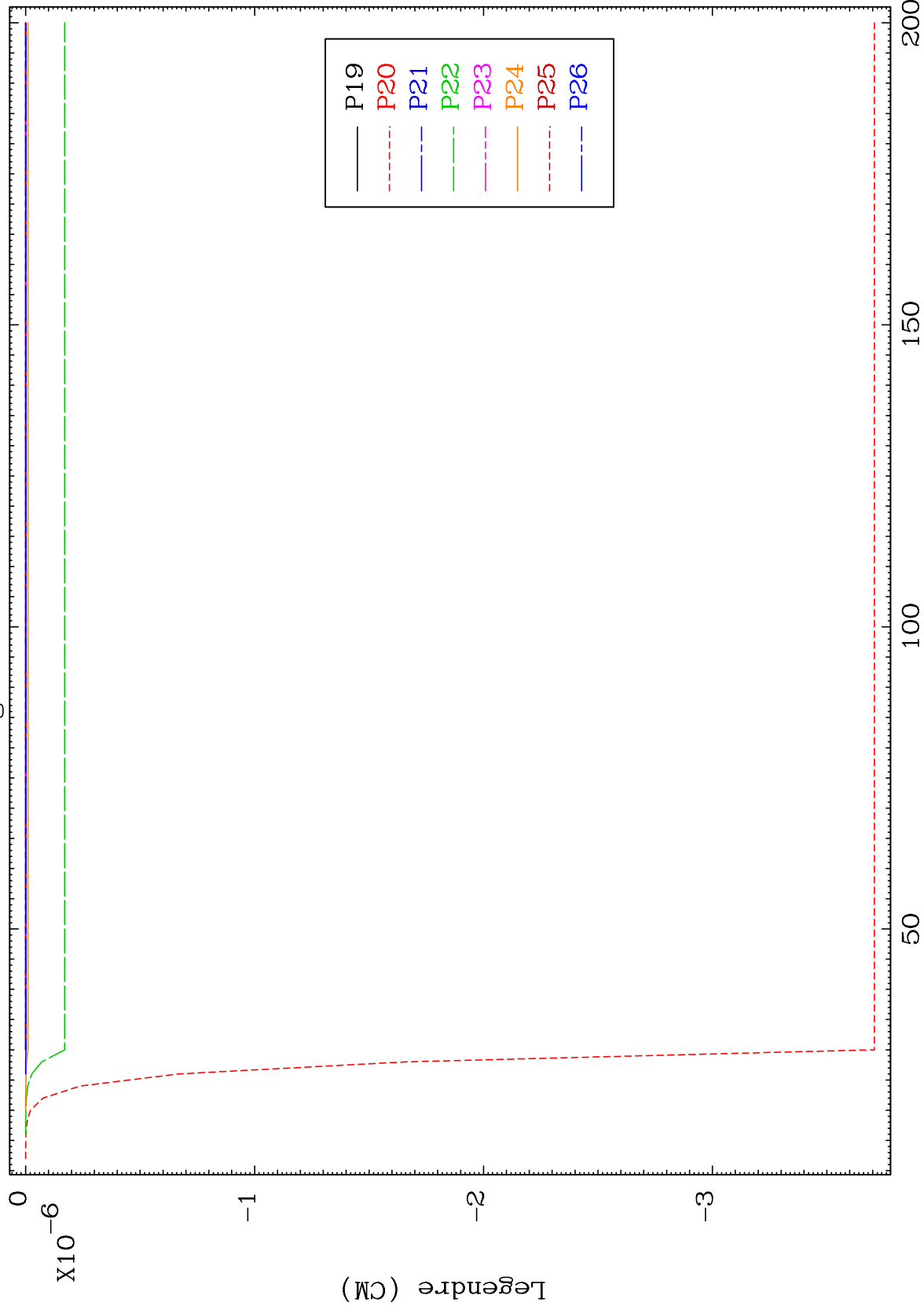
Incident Energy (MeV)

75

MAT 5910

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

59-Pr-136



59-Pr-136

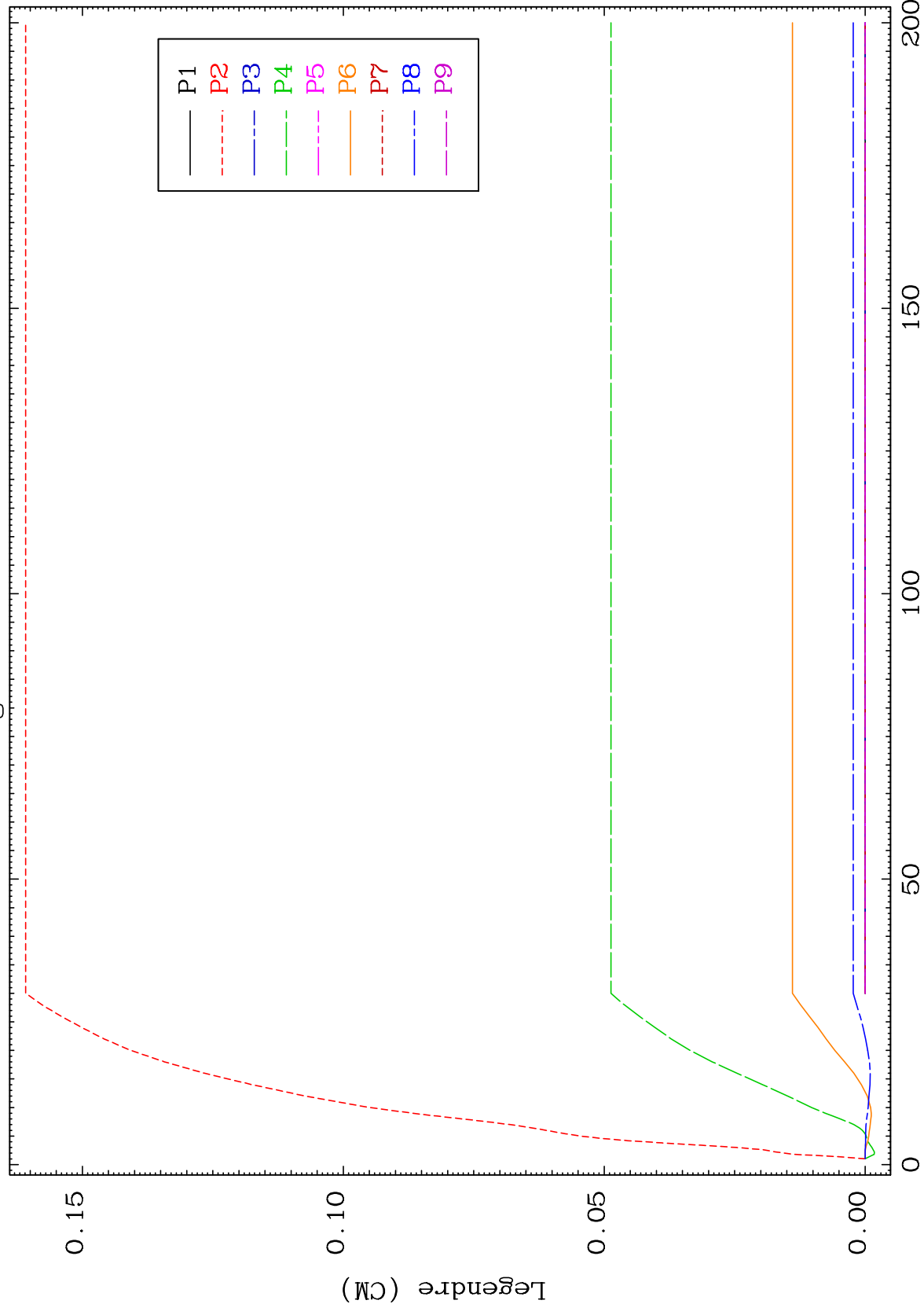
Incident Energy (MeV)

77

MAT 5910

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

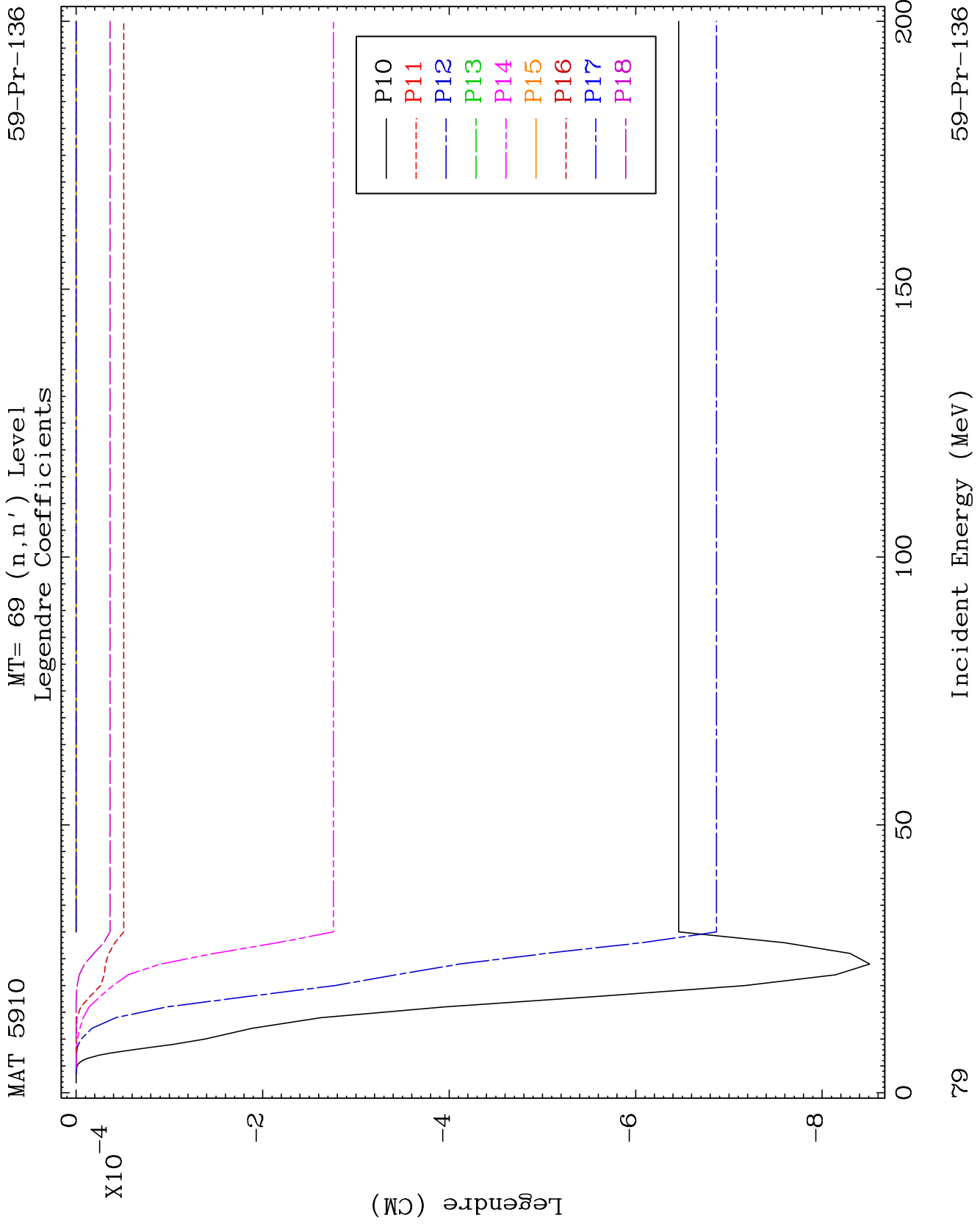
59-Pr-136

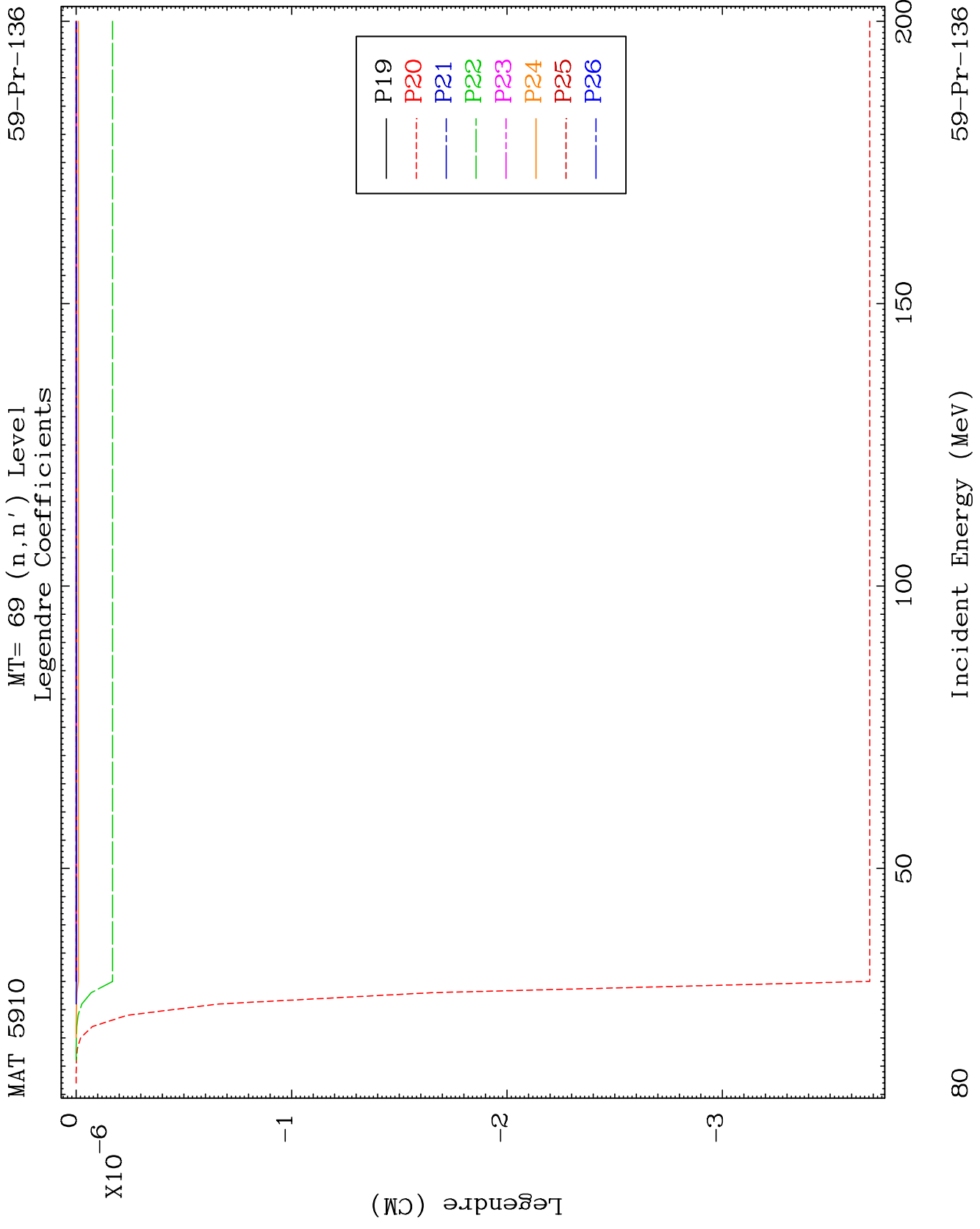


78

Incident Energy (MeV)

59-Pr-136

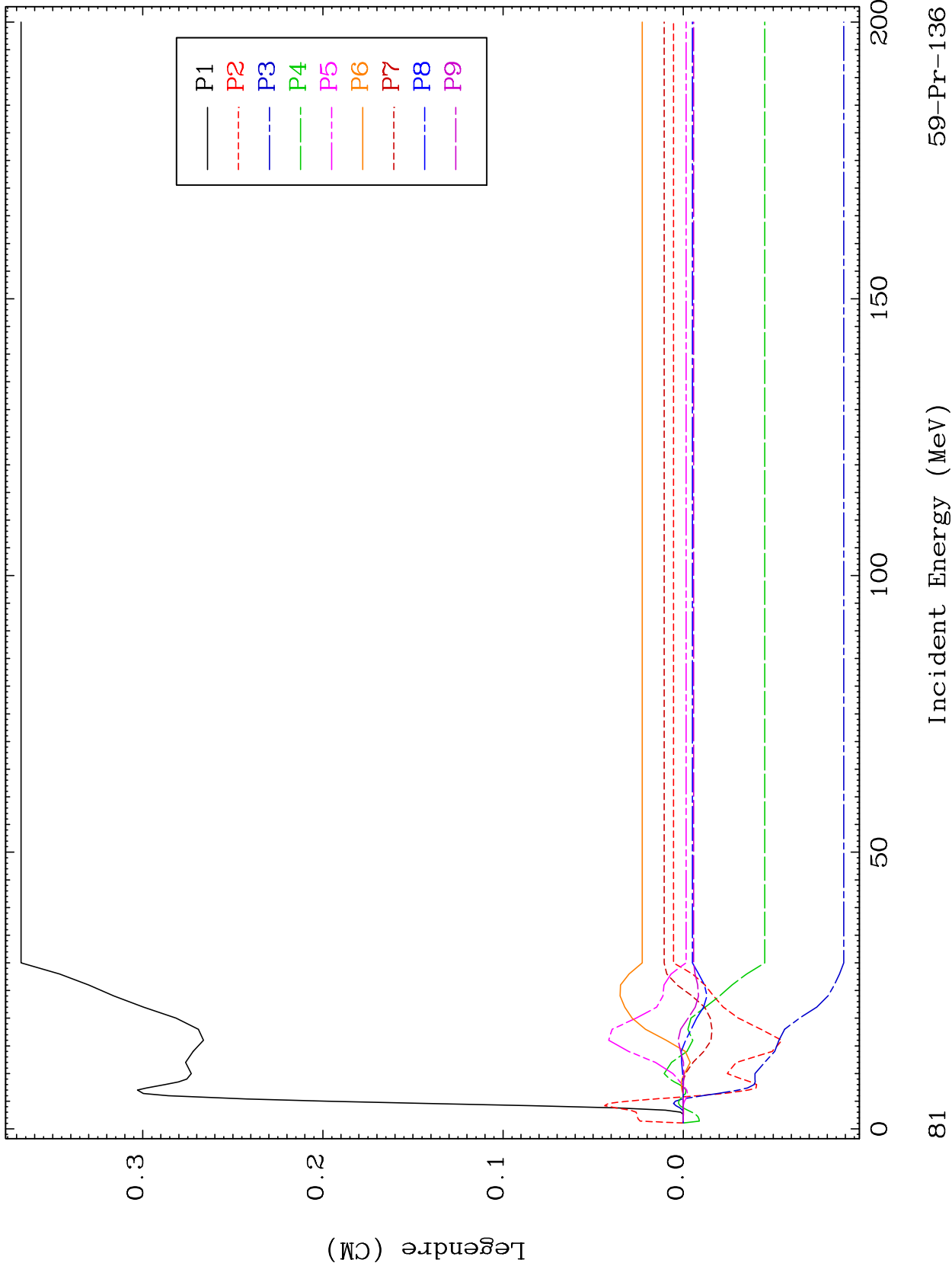




MAT 5910

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

59-Pr-136



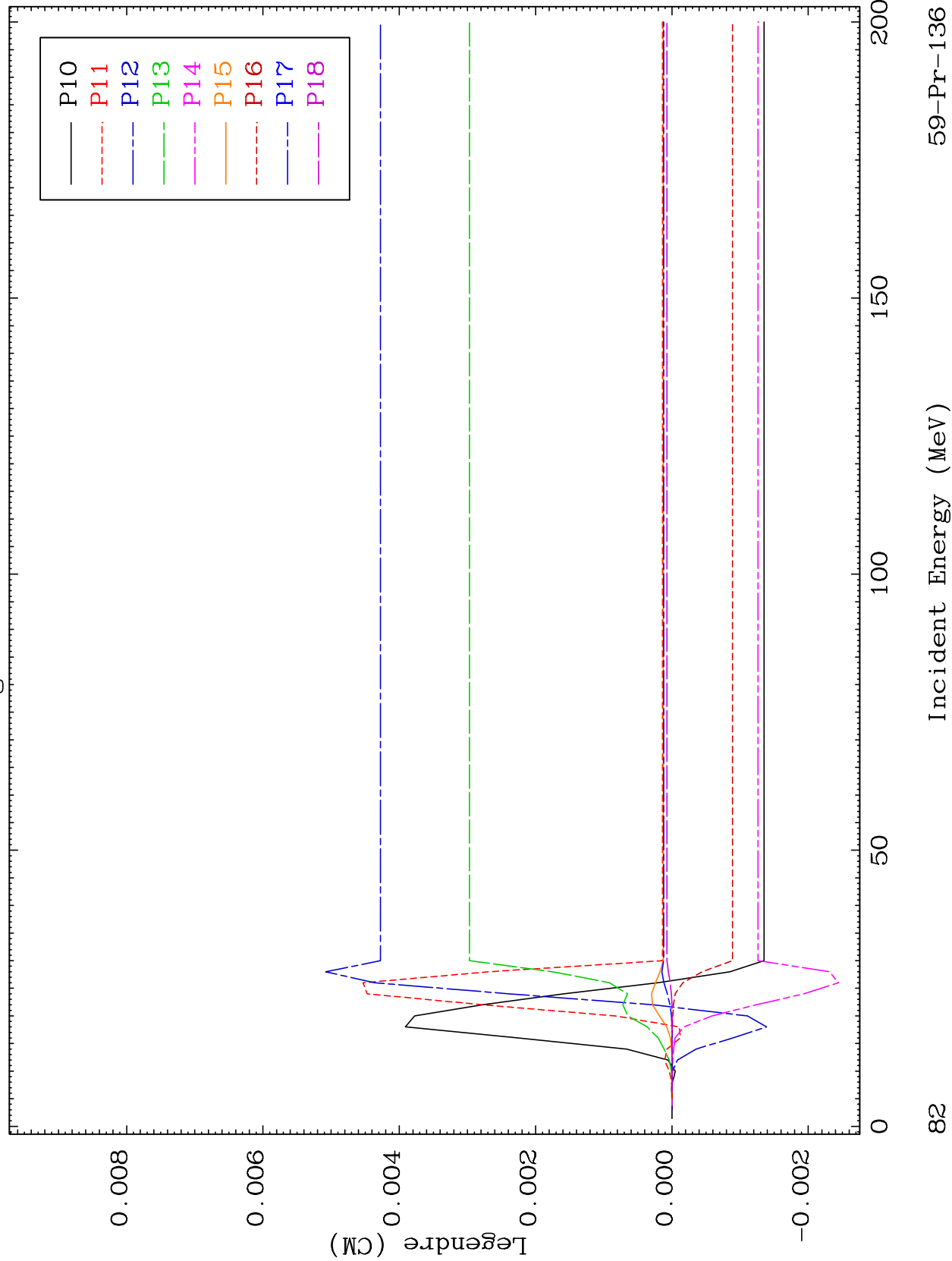
81

59-Pr-136

MAT 5910

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

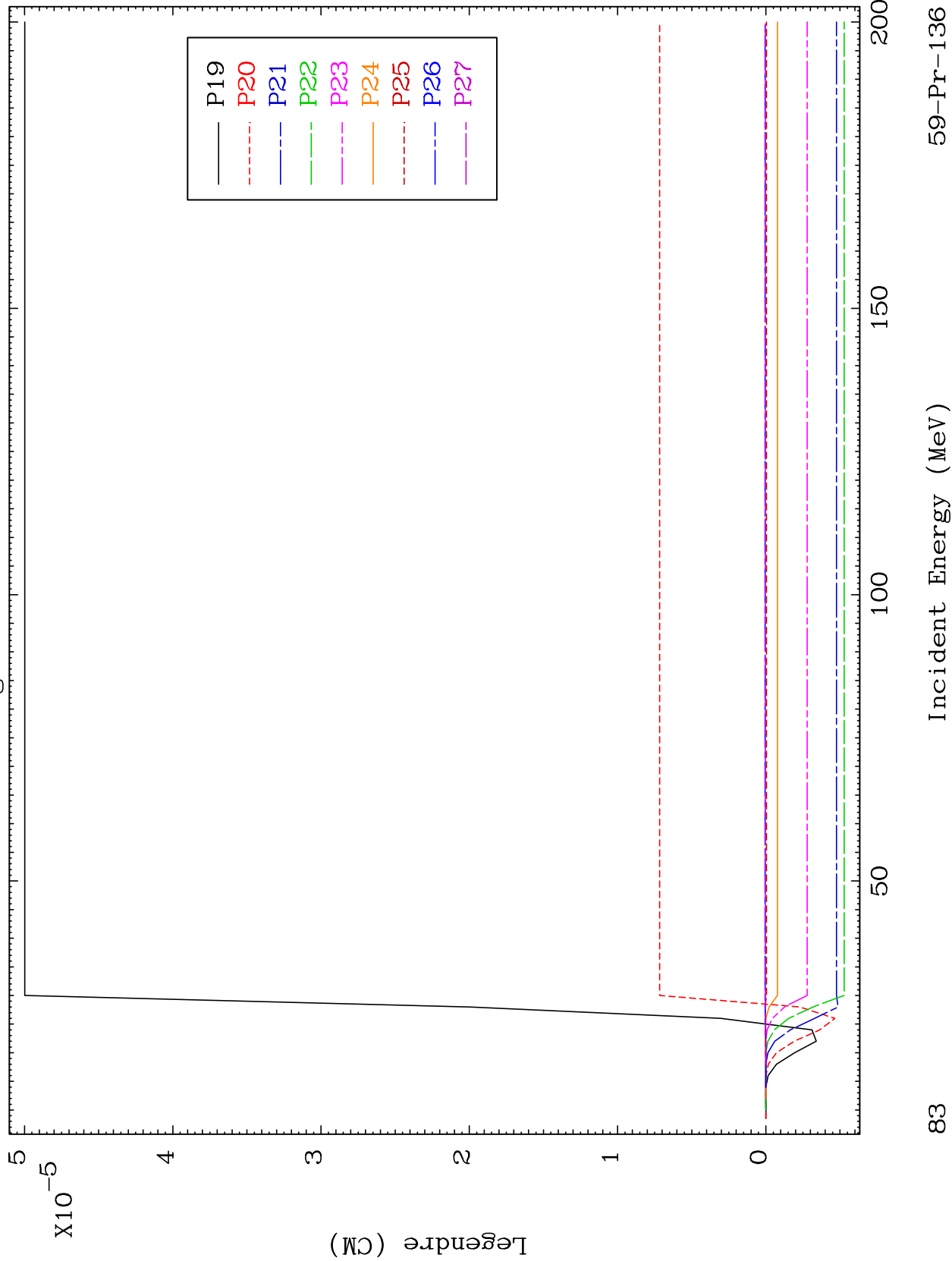
59-Pr-136

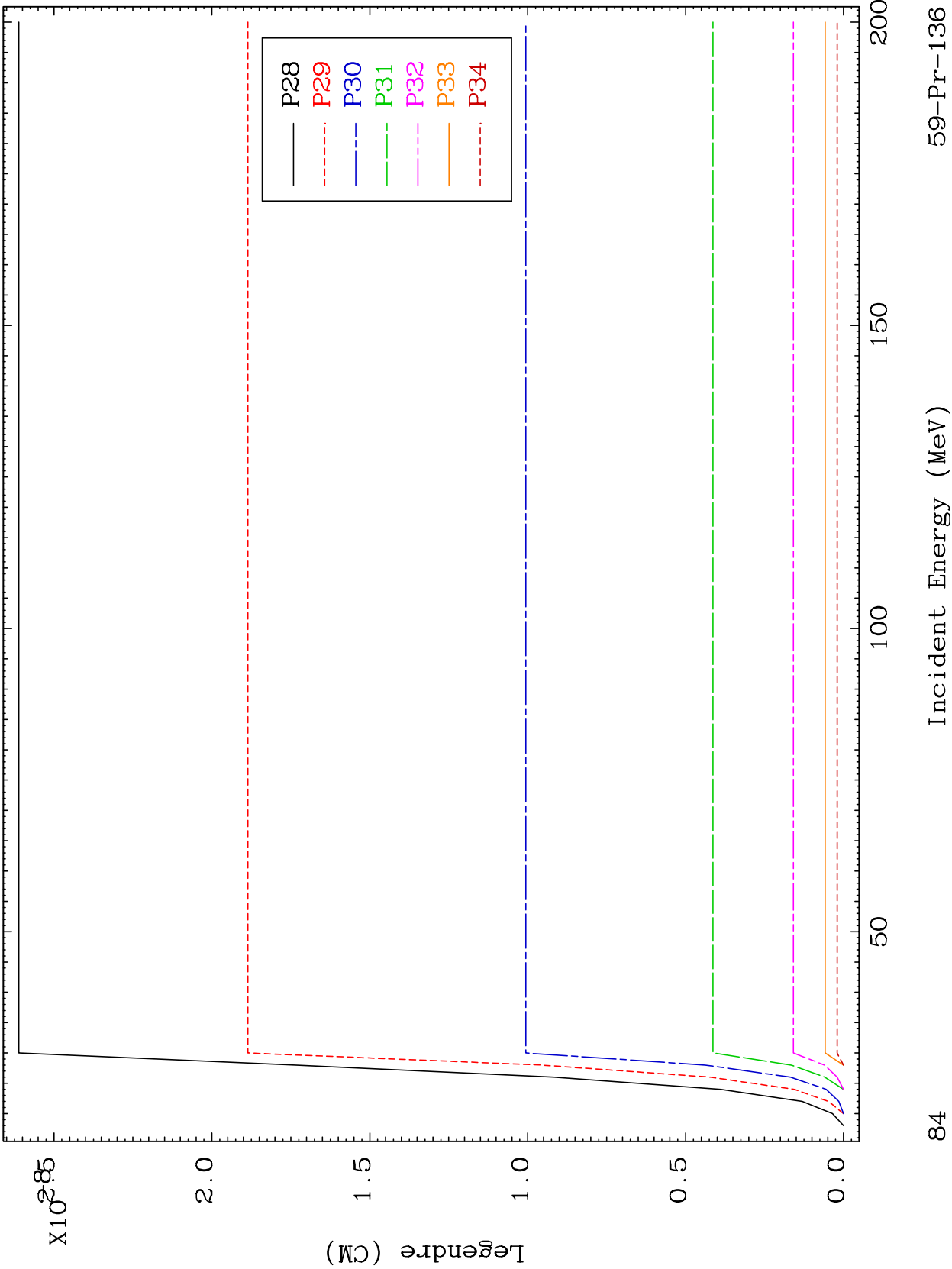


82

Incident Energy (MeV)

59-Pr-136

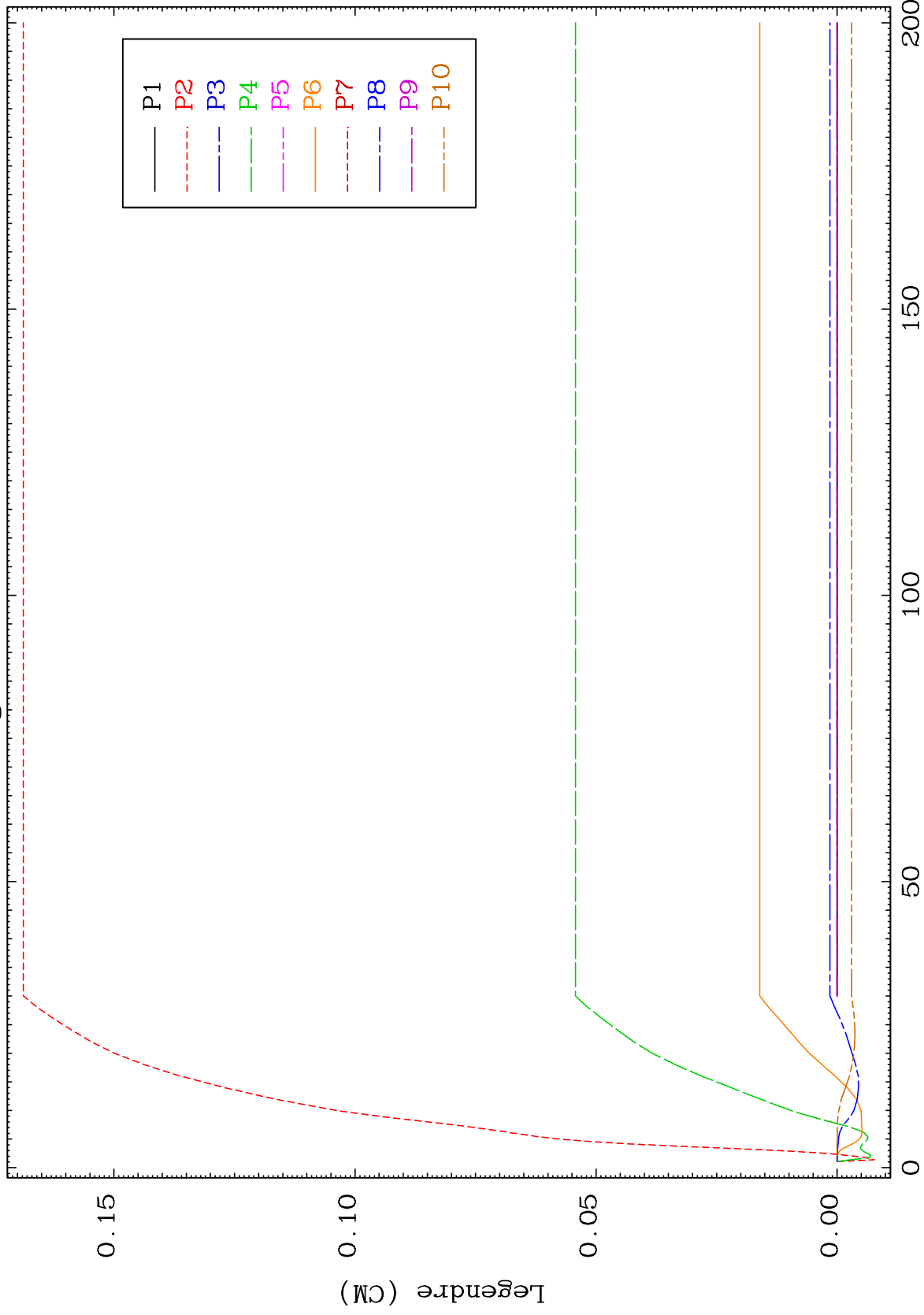




MAT 5910

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

59-Pr-136



59-Pr-136

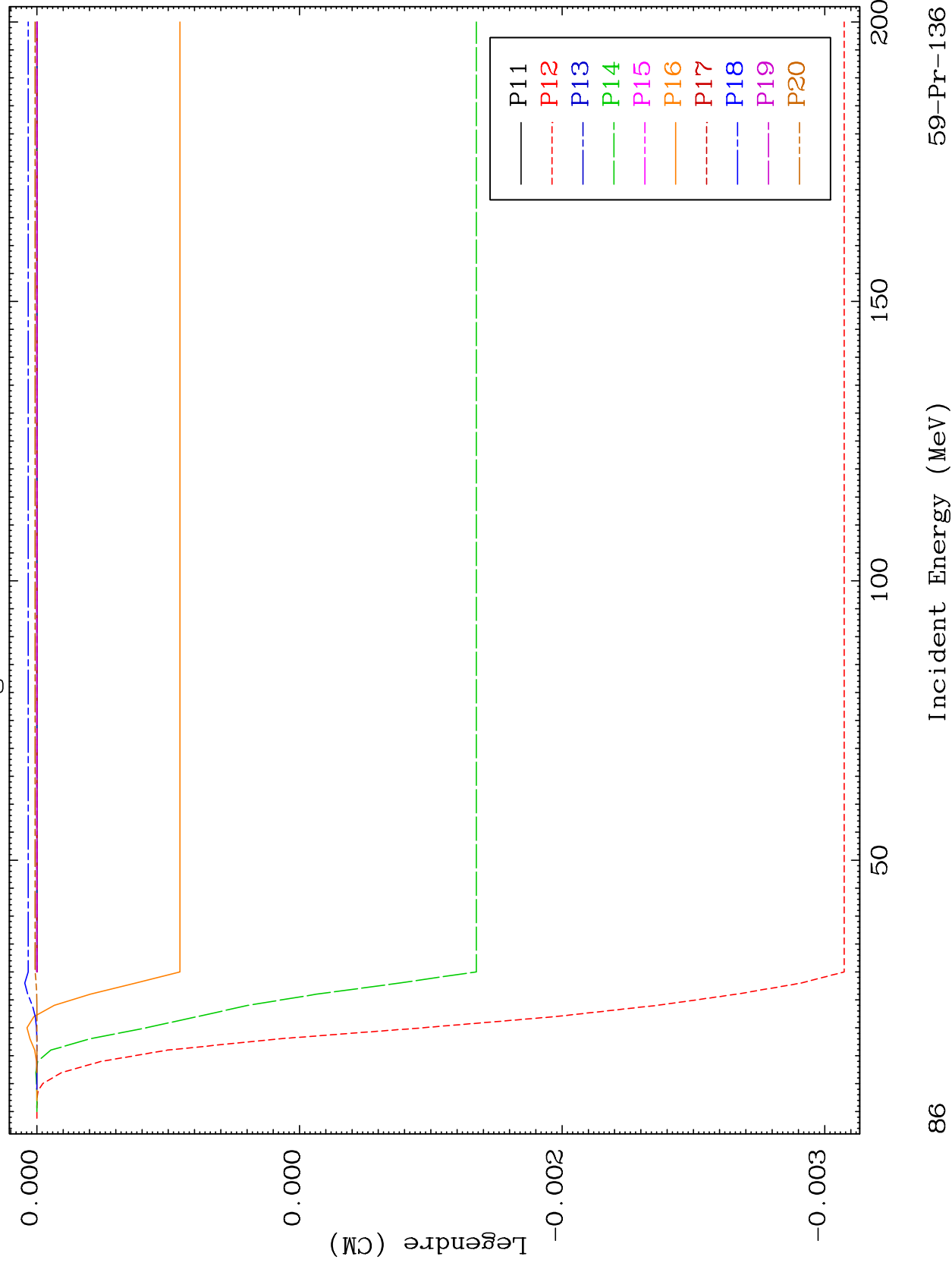
Incident Energy (MeV)

85

MAT 5910

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

59-Pr-136



86

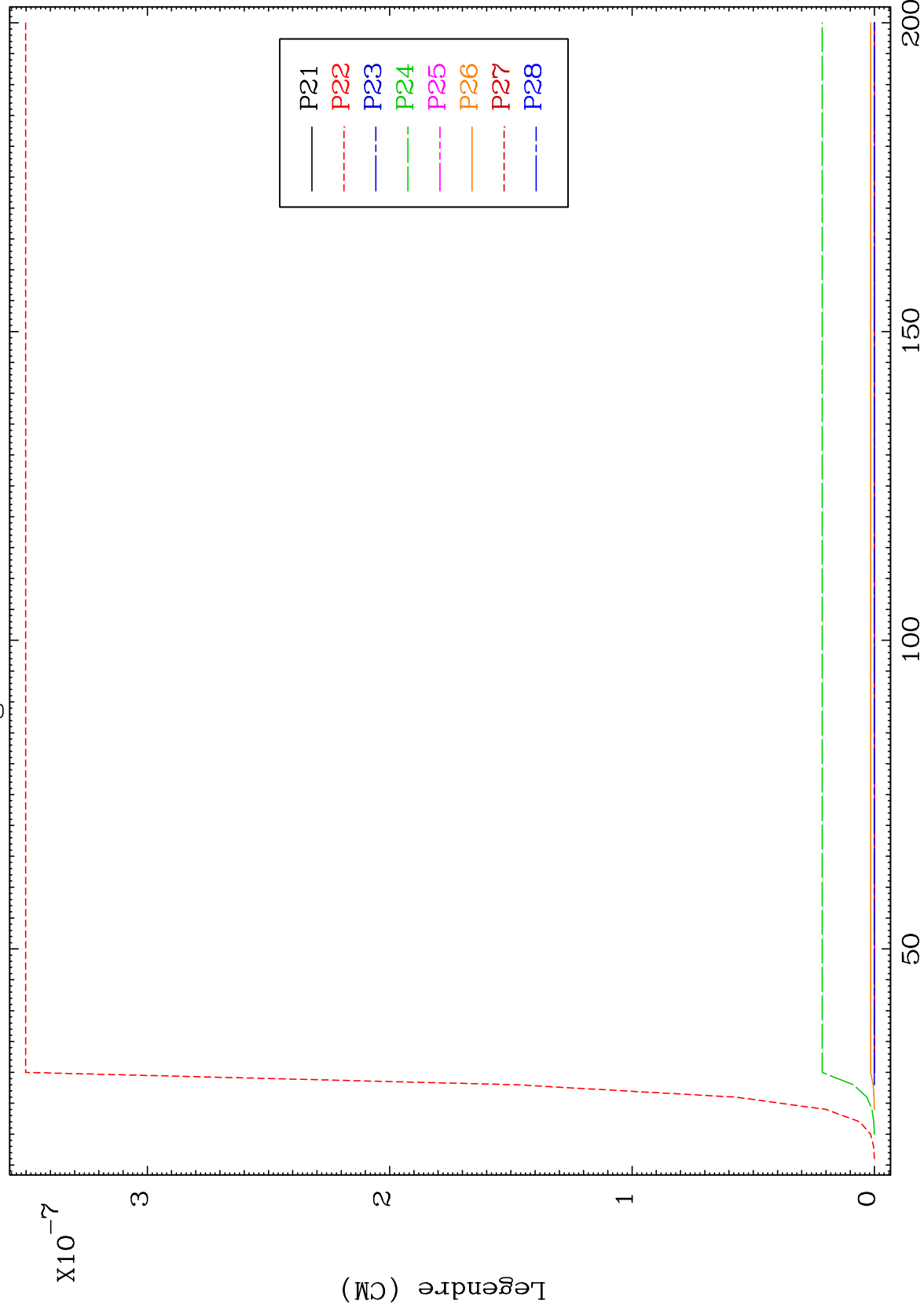
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

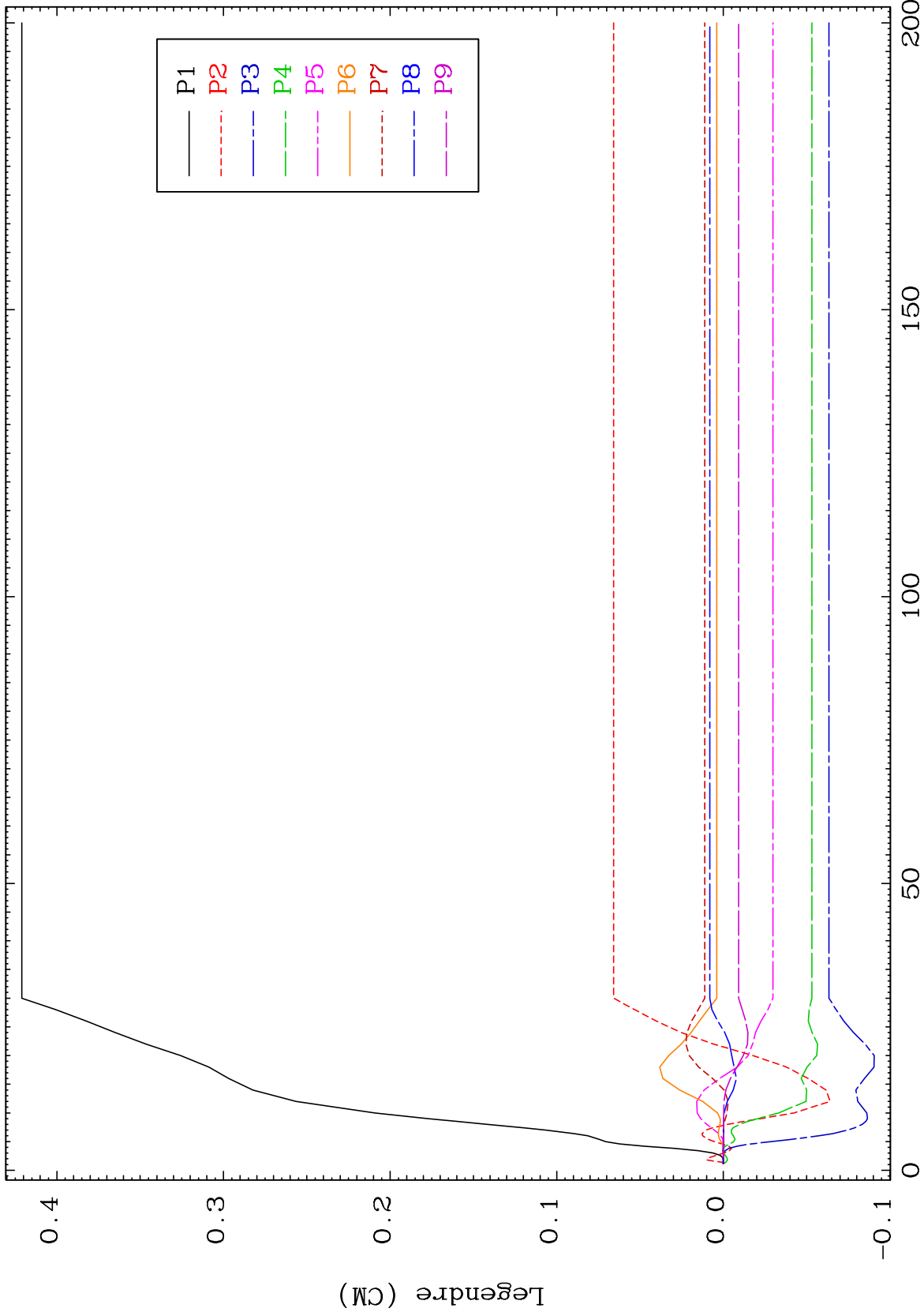
59-Pr-136



87

Incident Energy (MeV)

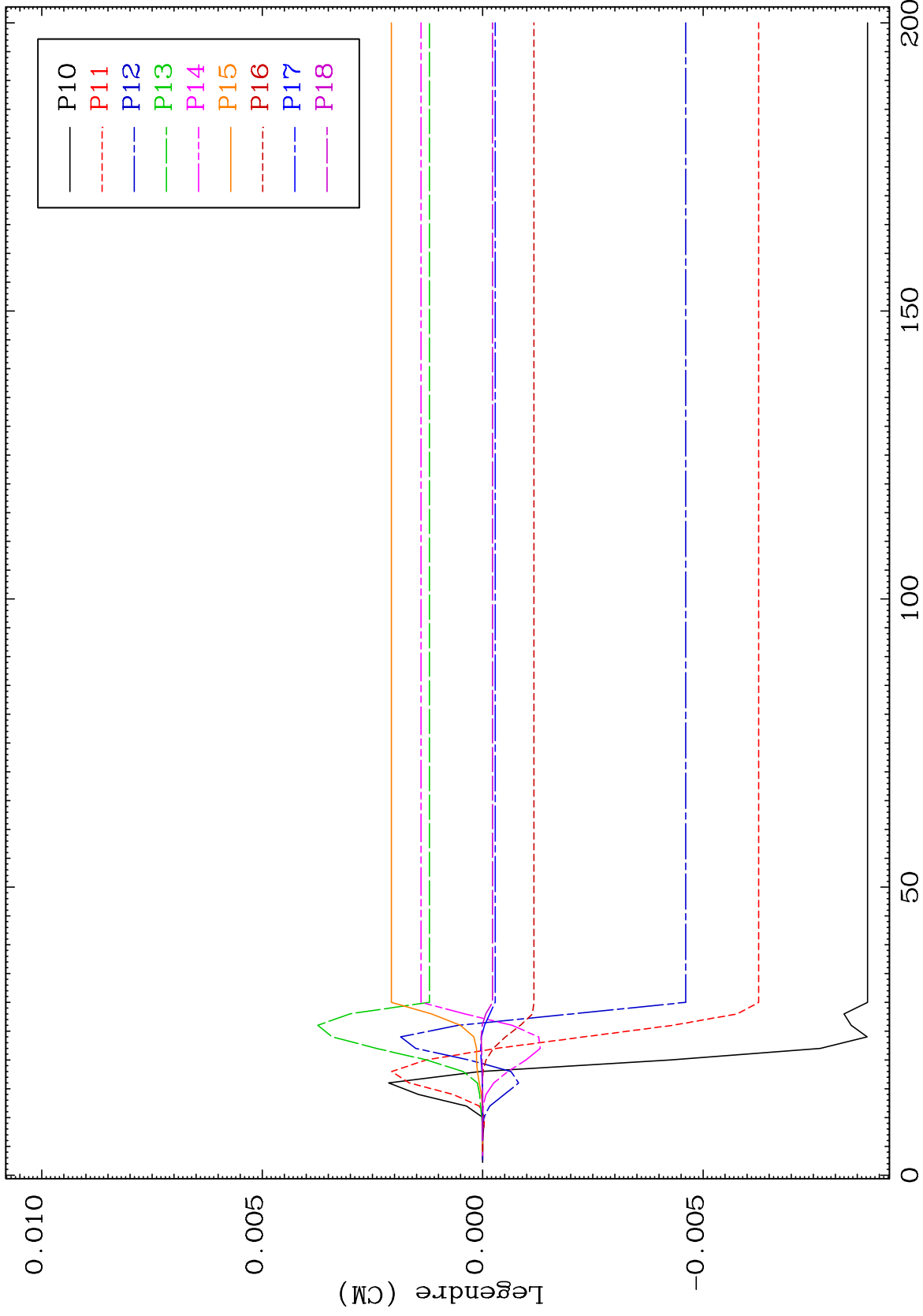
59-Pr-136



MAT 5910

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

59-Pr-136



89

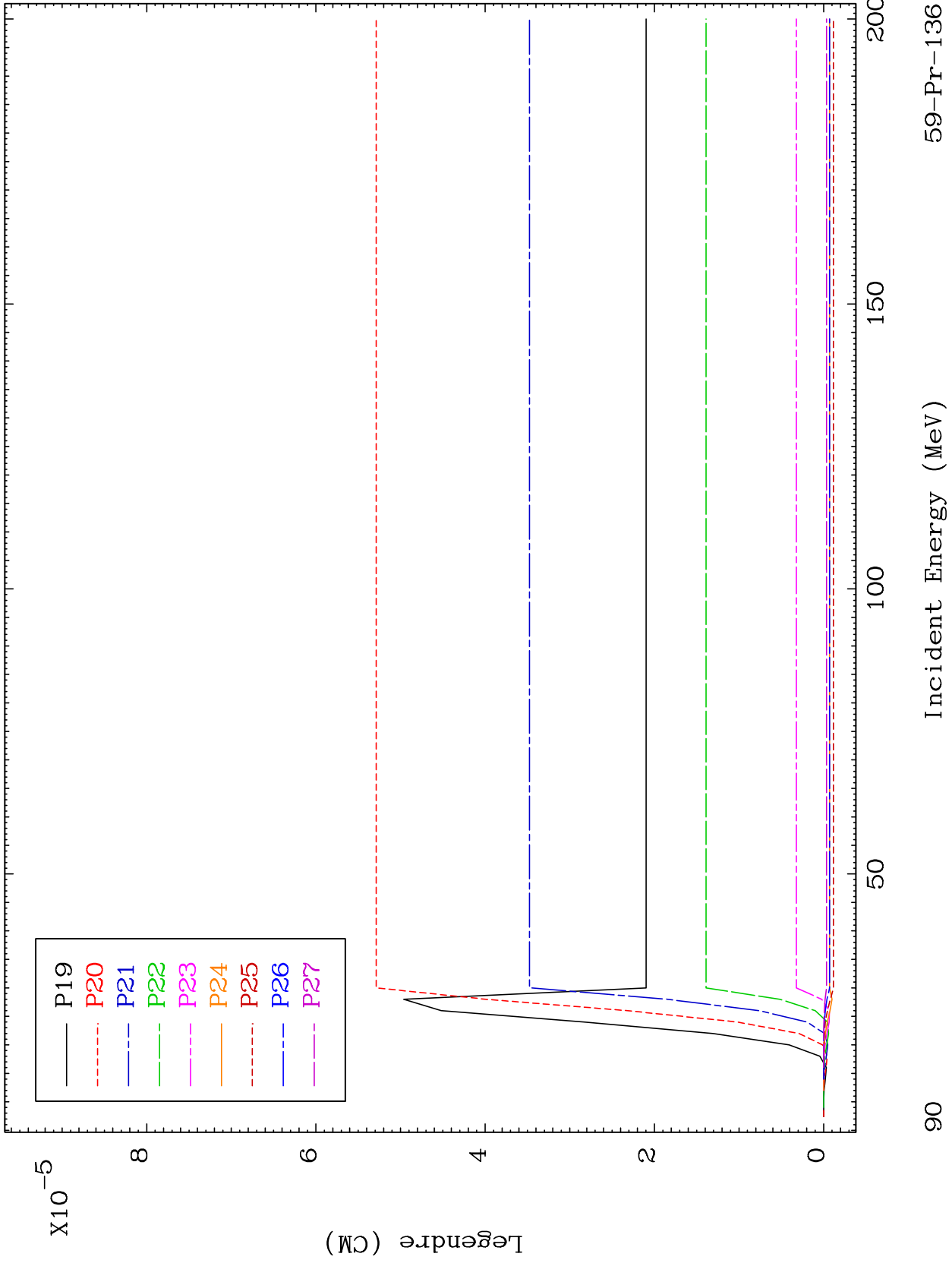
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136

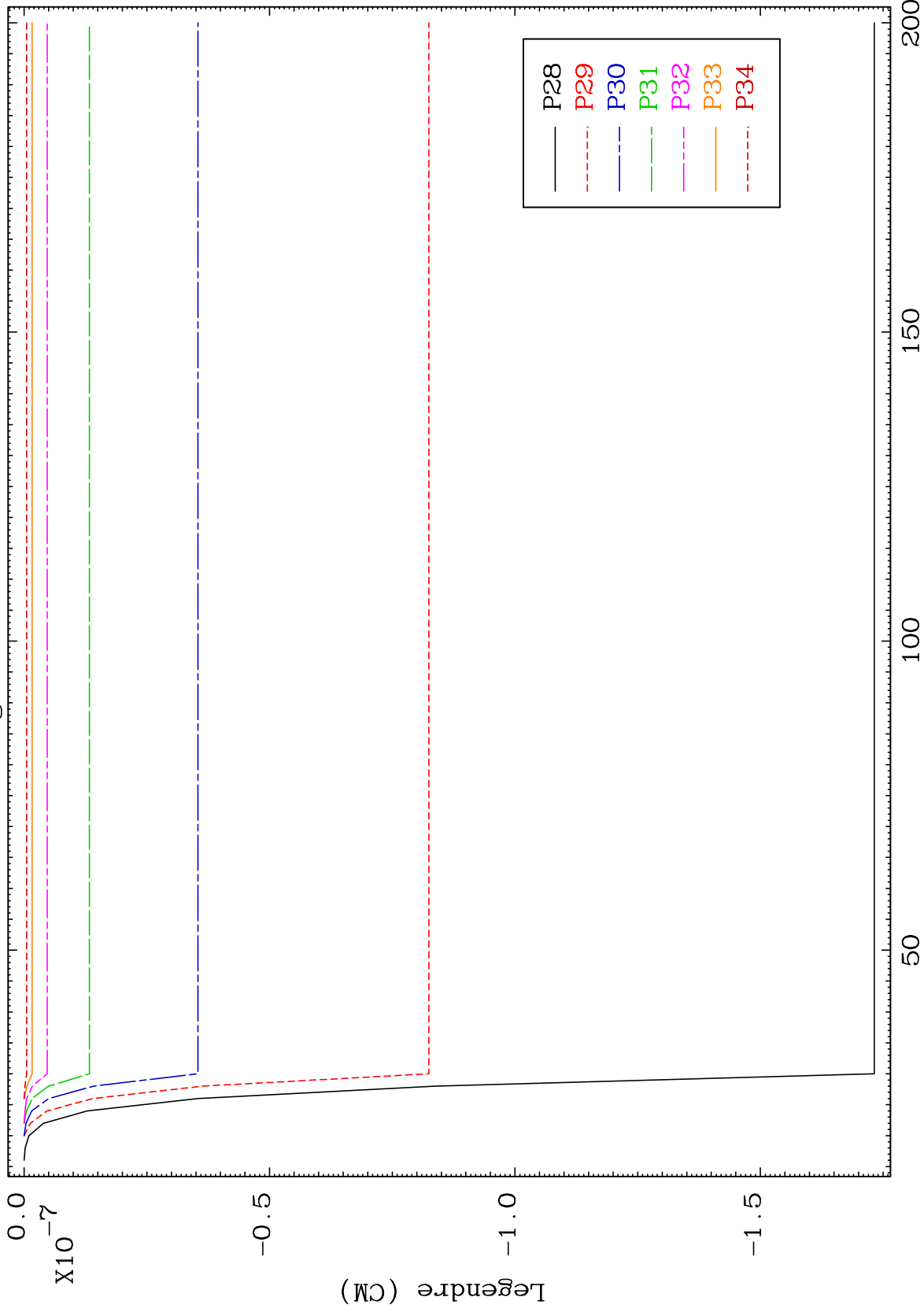


MAT 5910

MT= 72 (n,n') Level

59-Pr-136

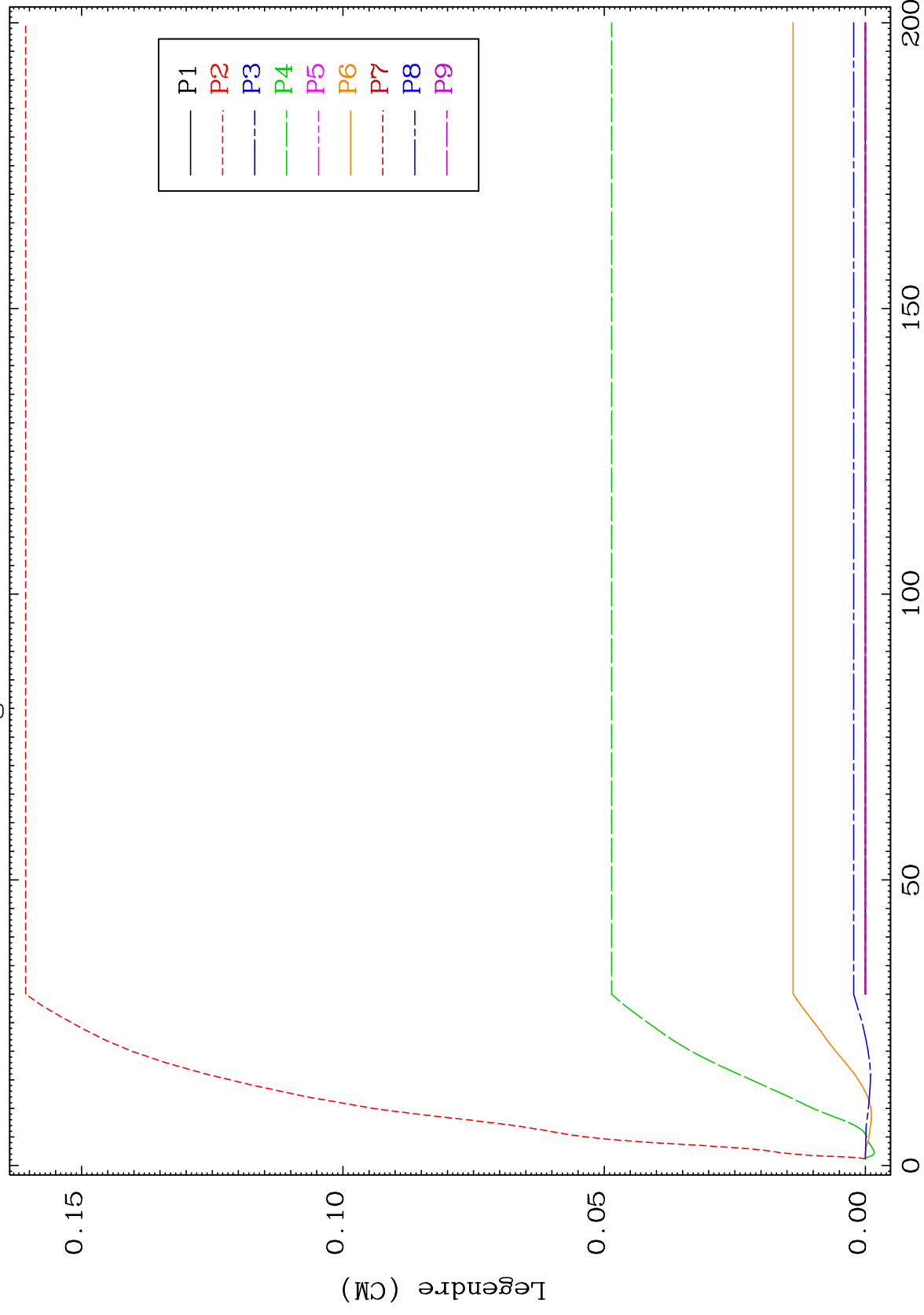
Legendre Coefficients



MAT 5910

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

59-Pr-136



92

Incident Energy (MeV)

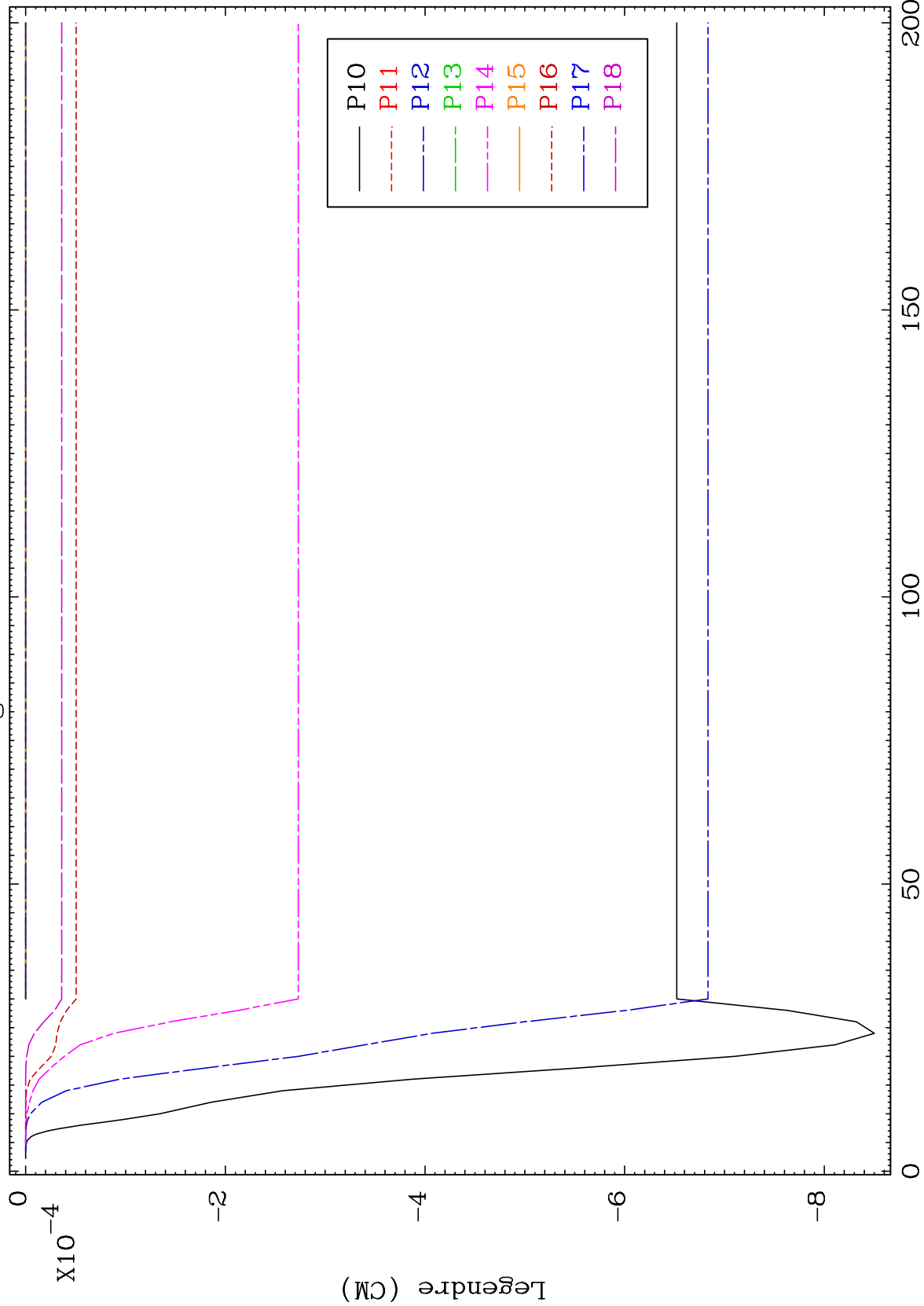
59-Pr-136

MAT 5910

MT= 73 (n,n') Level

59-Pr-136

Legendre Coefficients



59-Pr-136

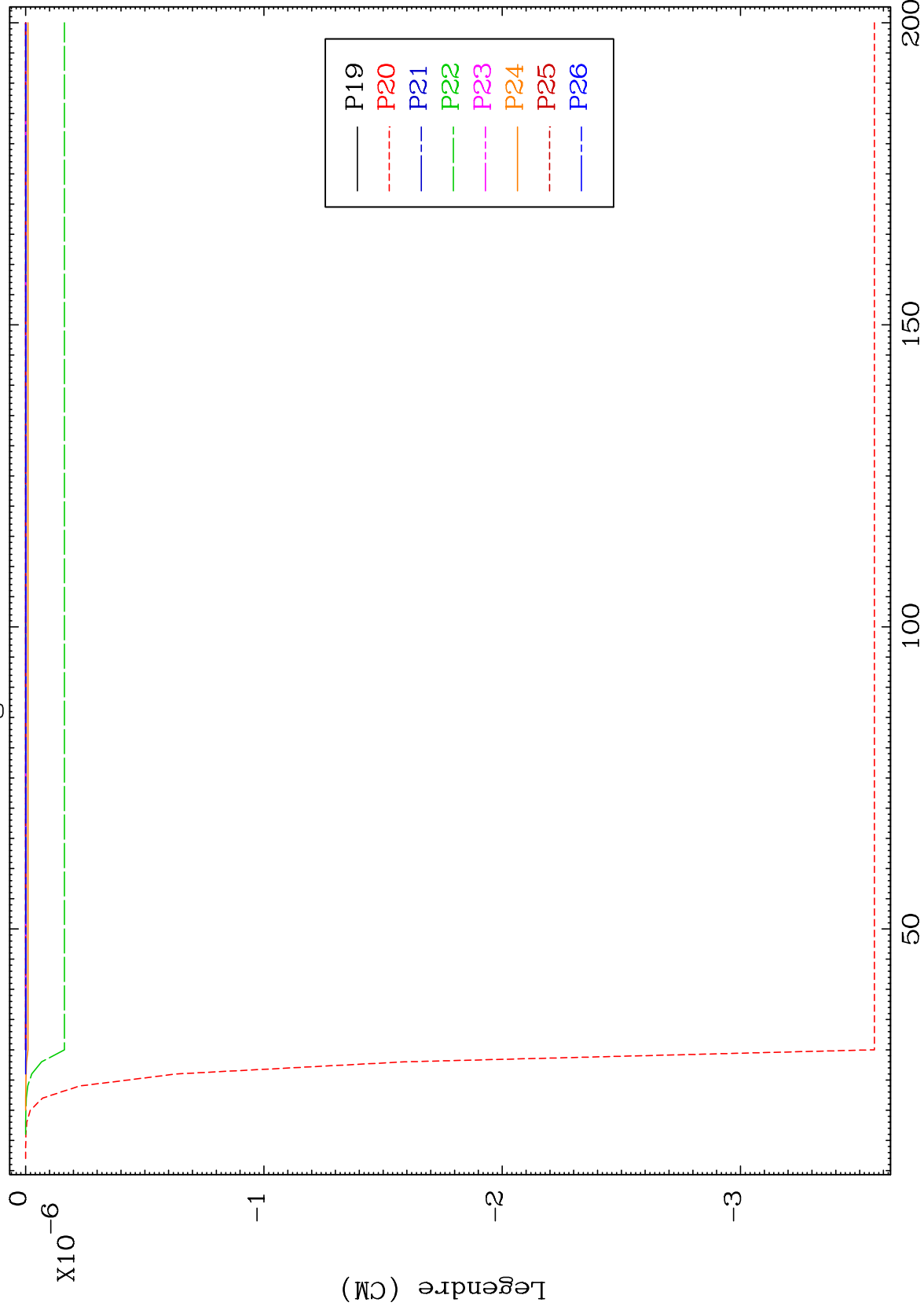
Incident Energy (MeV)

93

MAT 5910

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

59-Pr-136



59-Pr-136

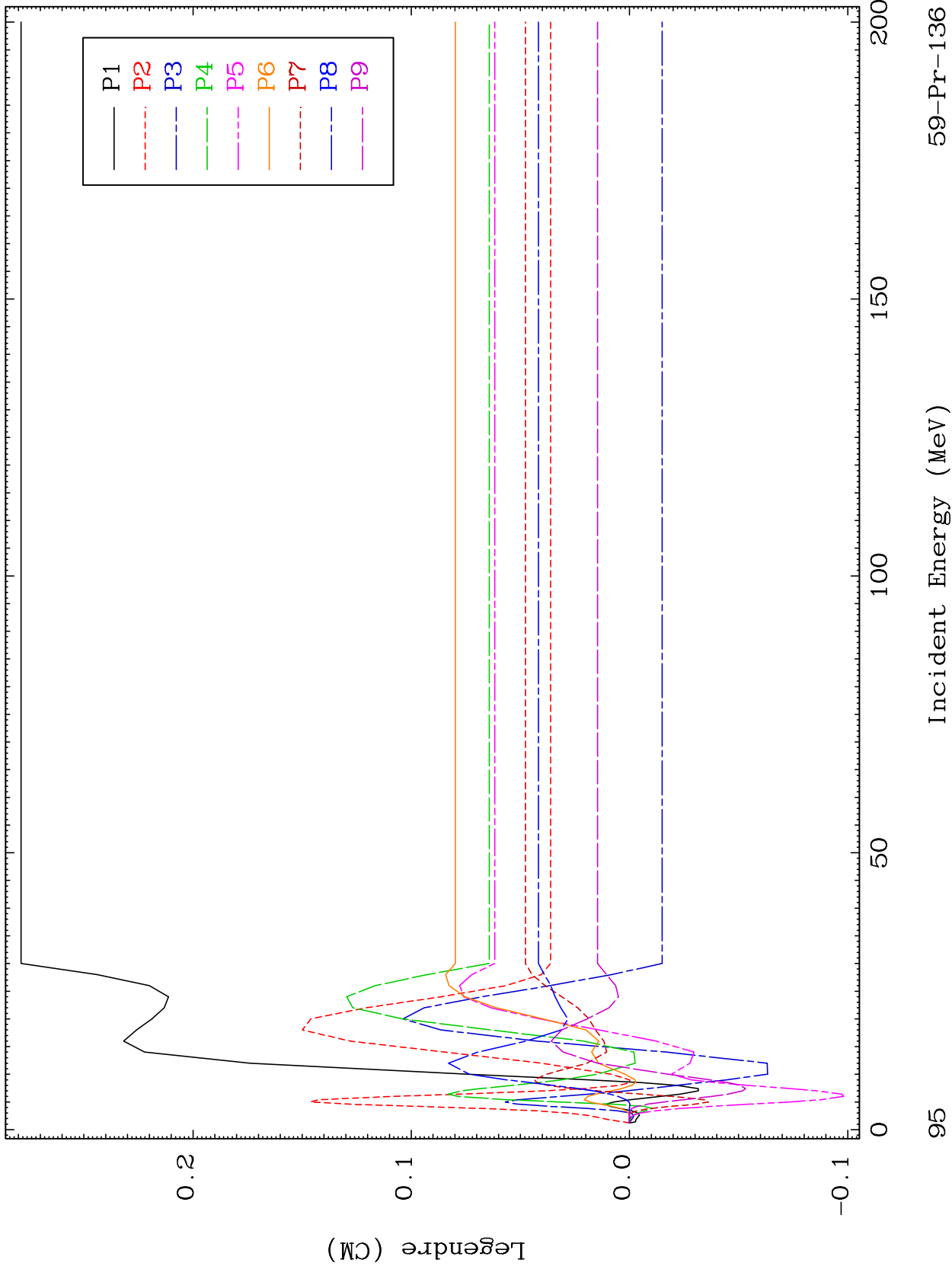
Incident Energy (MeV)

94

MAT 5910

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

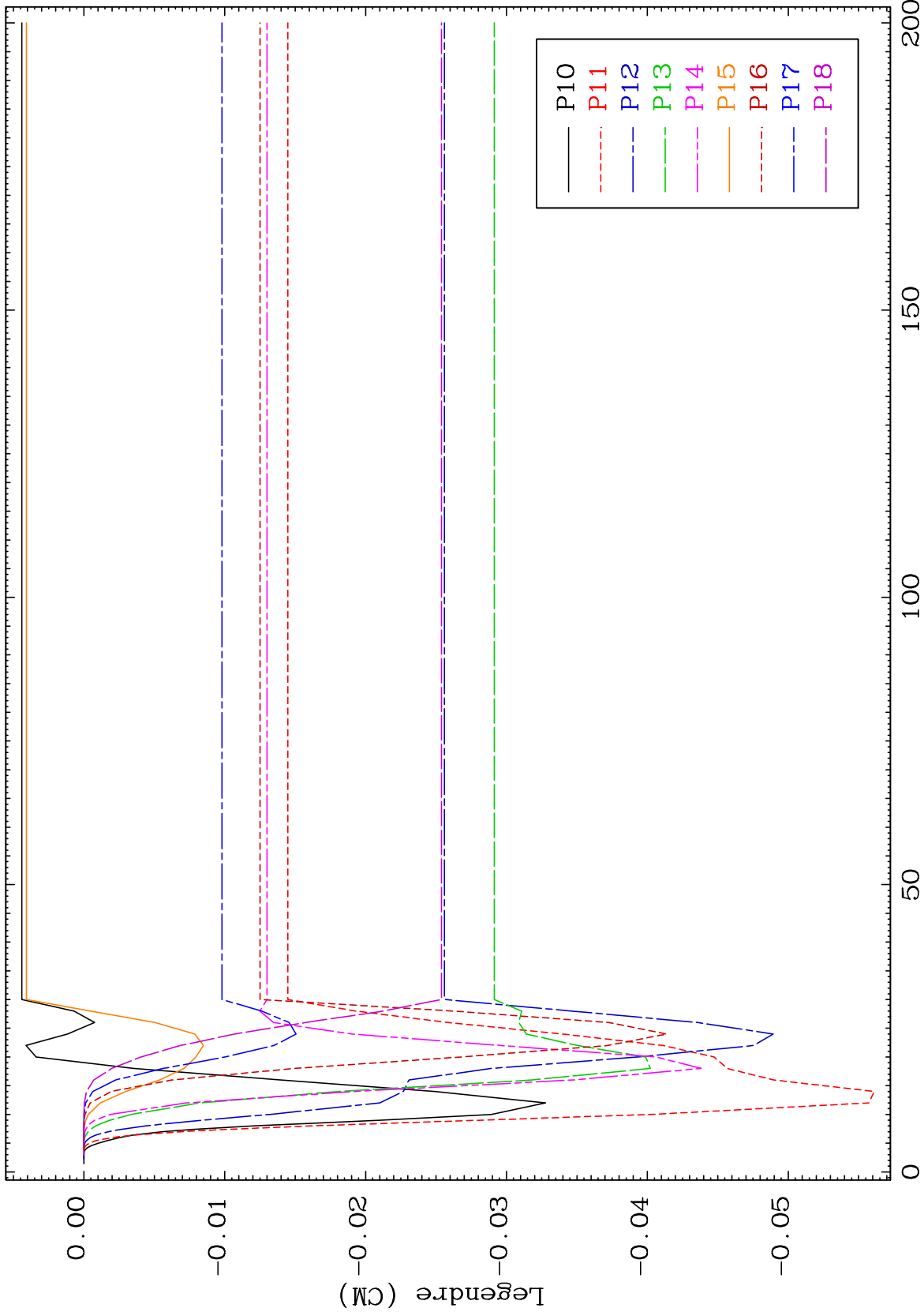
59-Pr-136



59-Pr-136

Incident Energy (MeV)

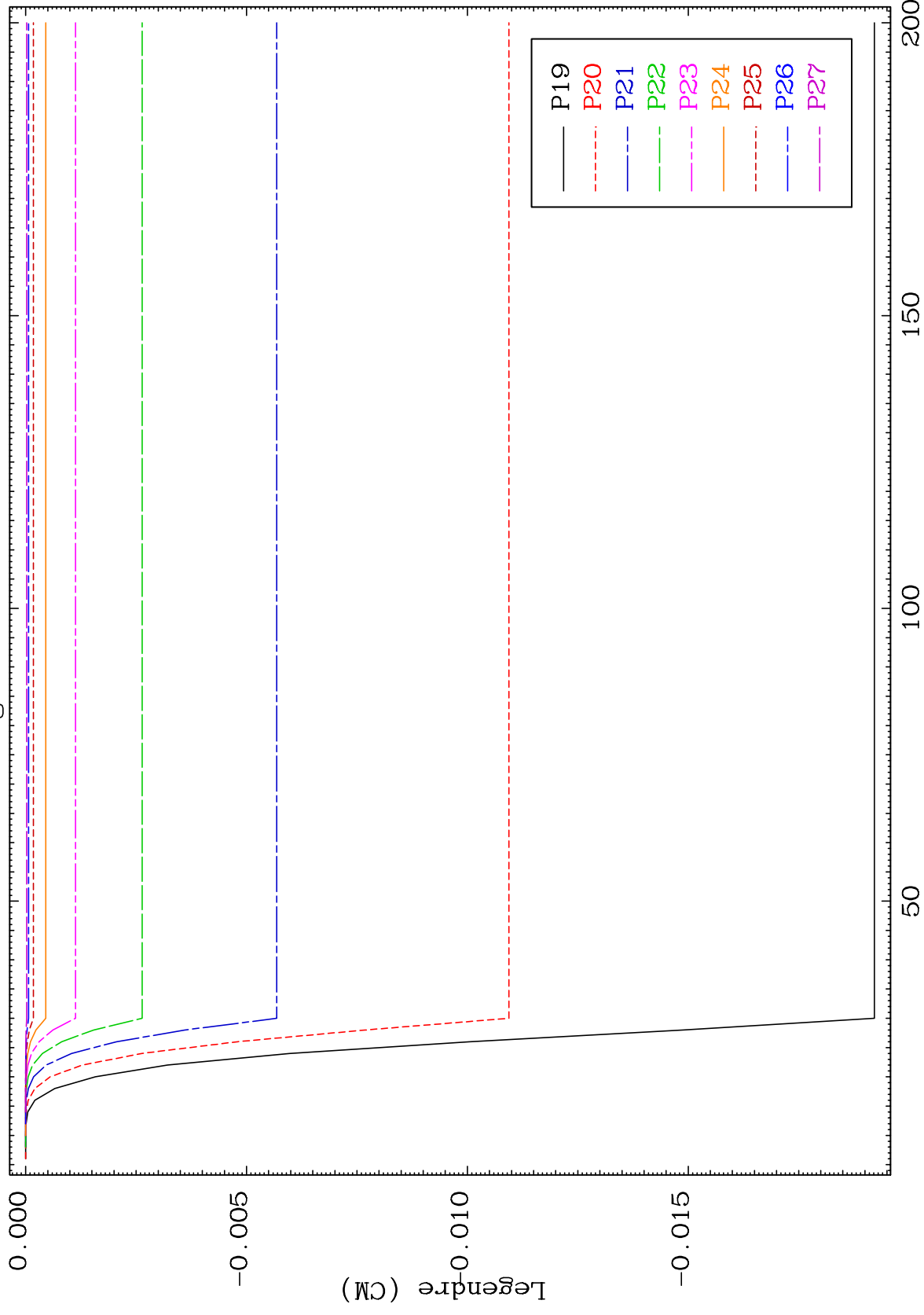
95



MAT 5910

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

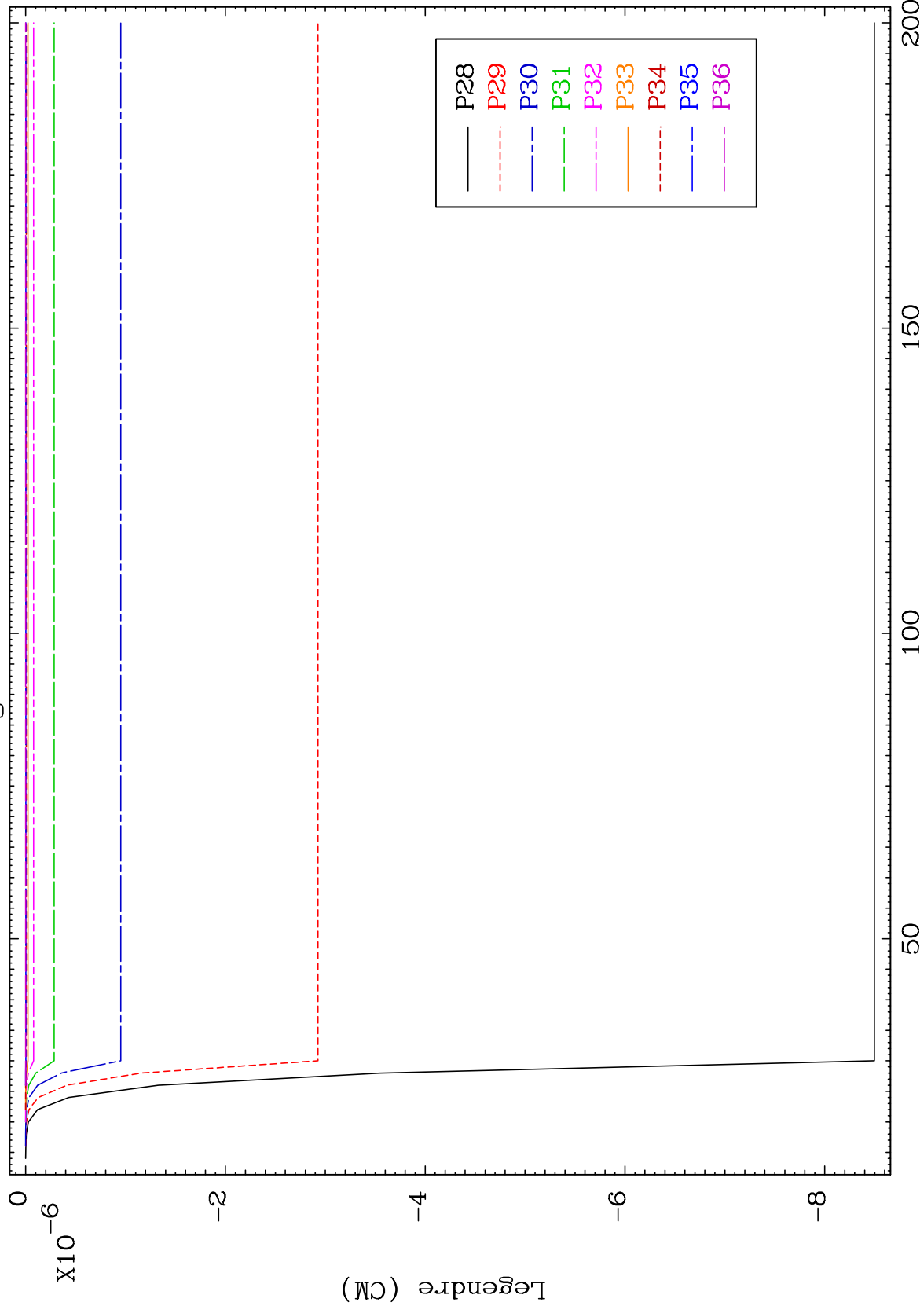
59-Pr-136



MAT 5910

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

59-Pr-136



98

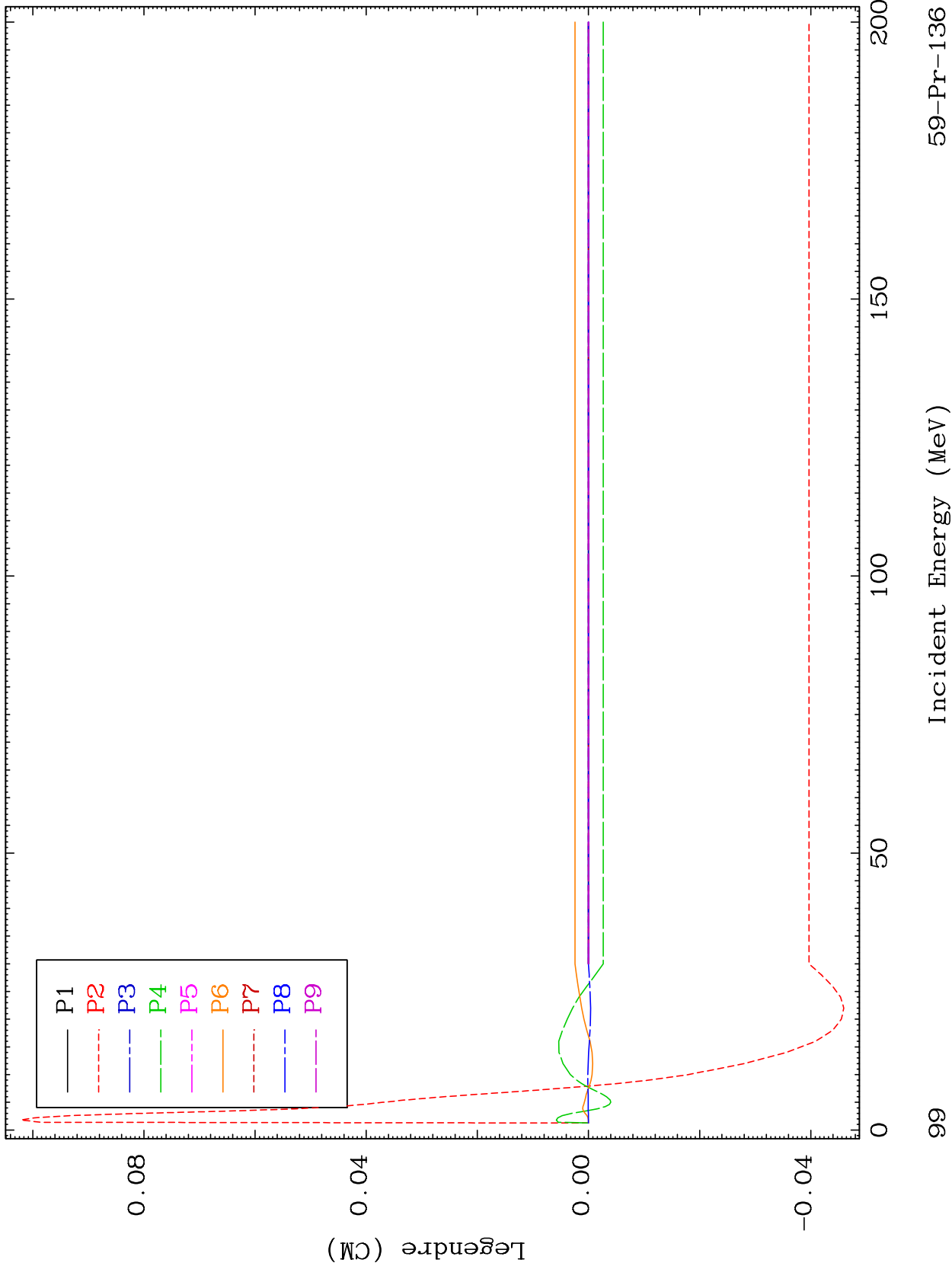
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



59-Pr-136

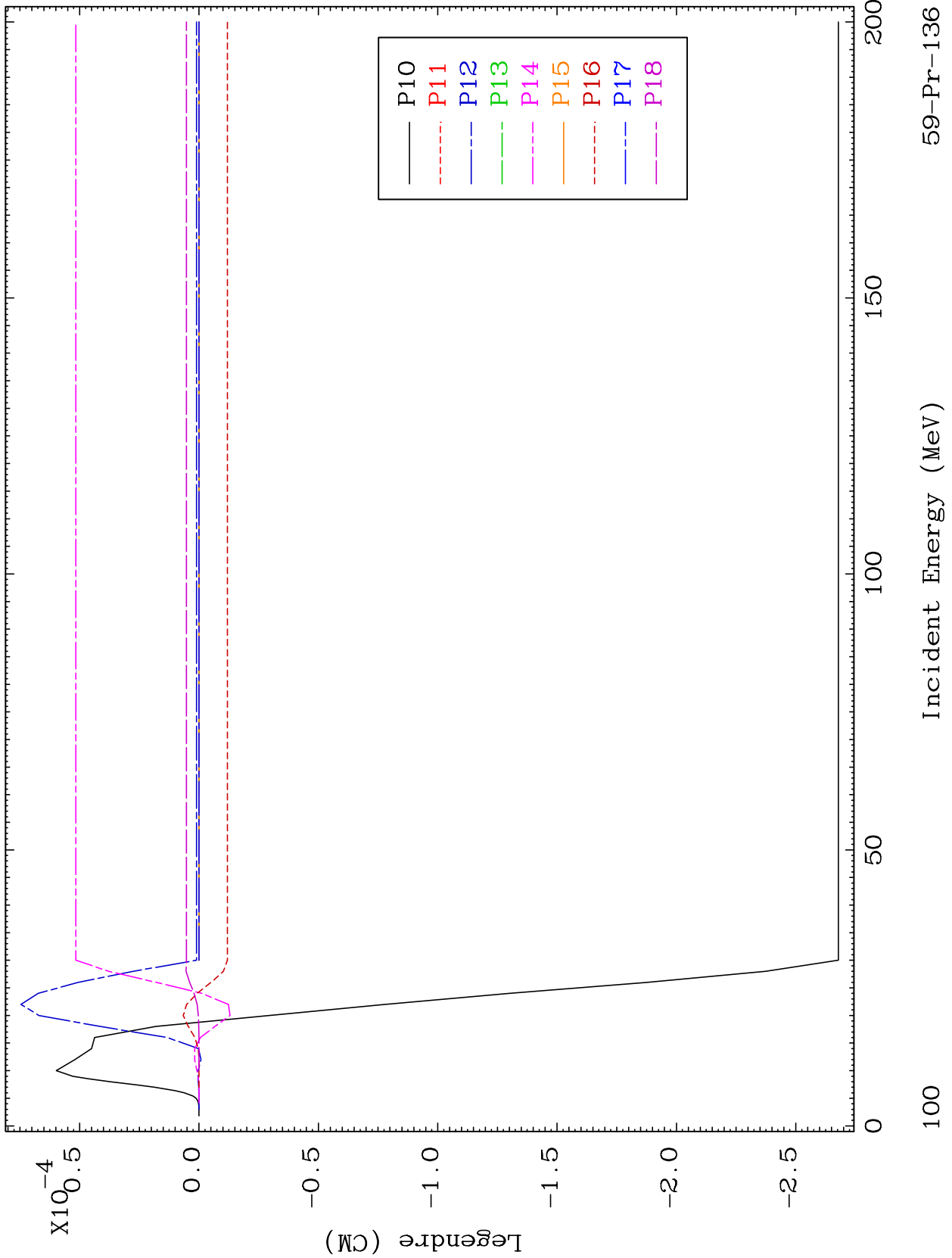
Incident Energy (MeV)

99

MAT 5910

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

59-Pr-136

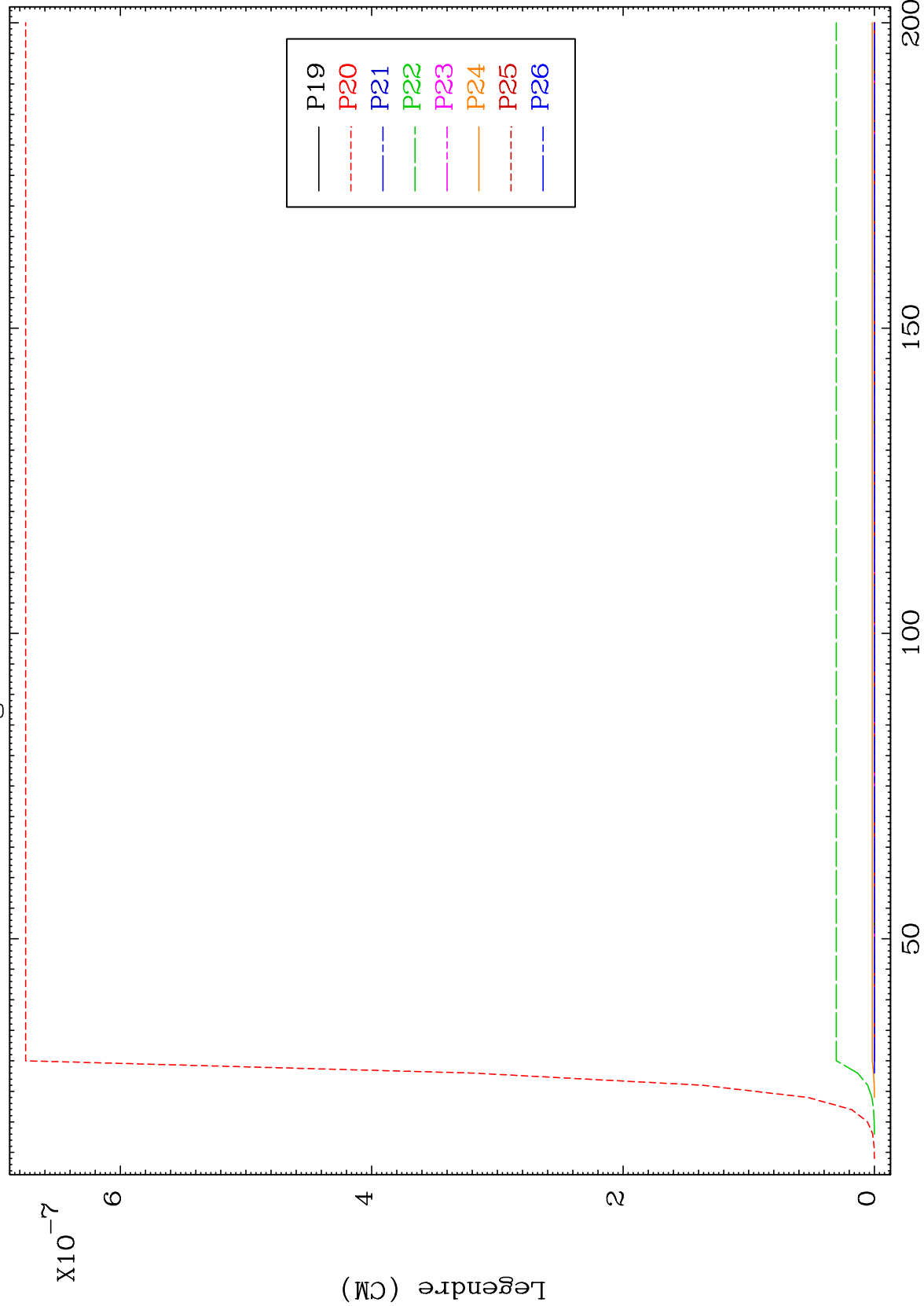


59-Pr-136

MAT 5910

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

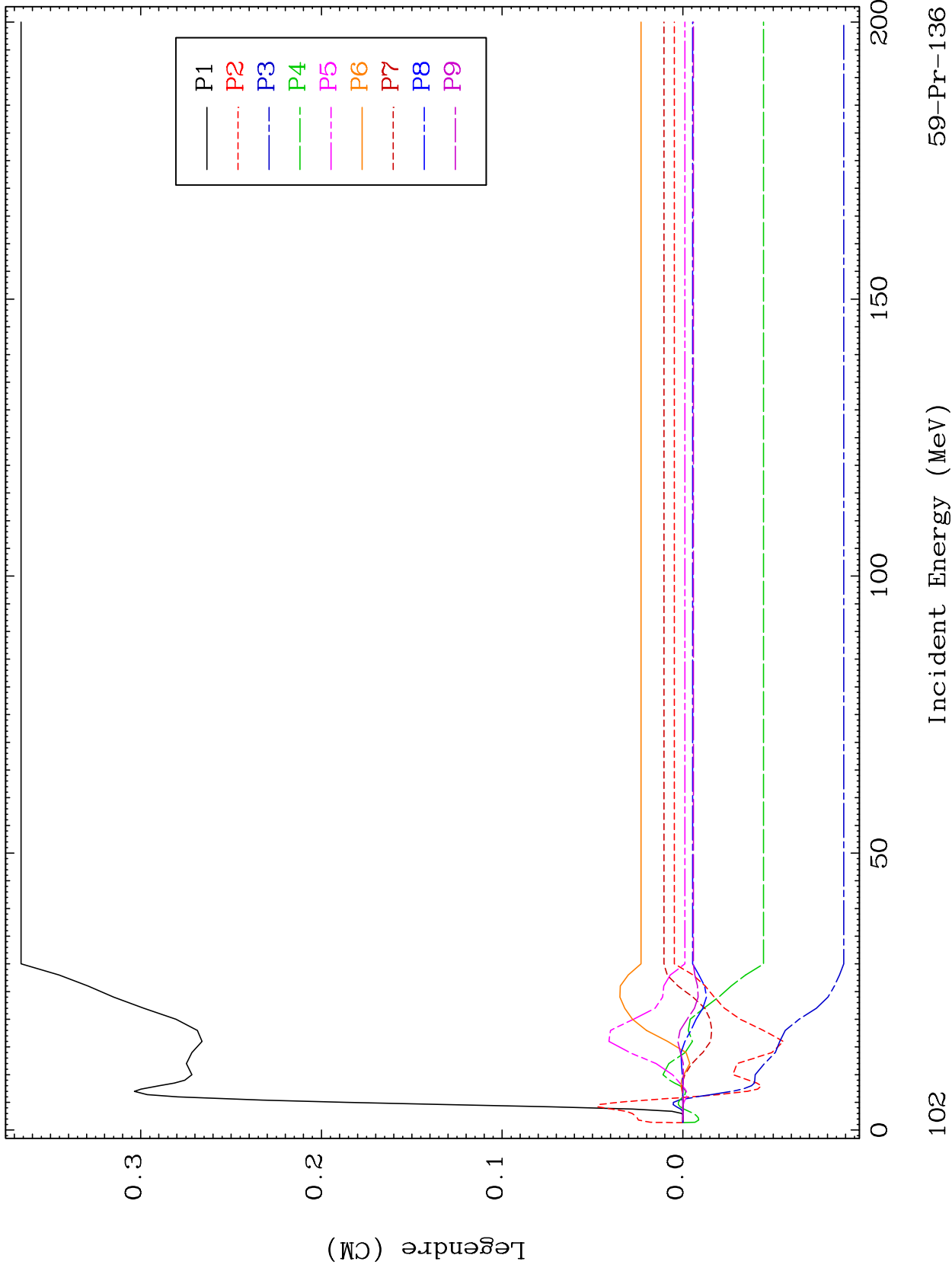
59-Pr-136



59-Pr-136

Incident Energy (MeV)

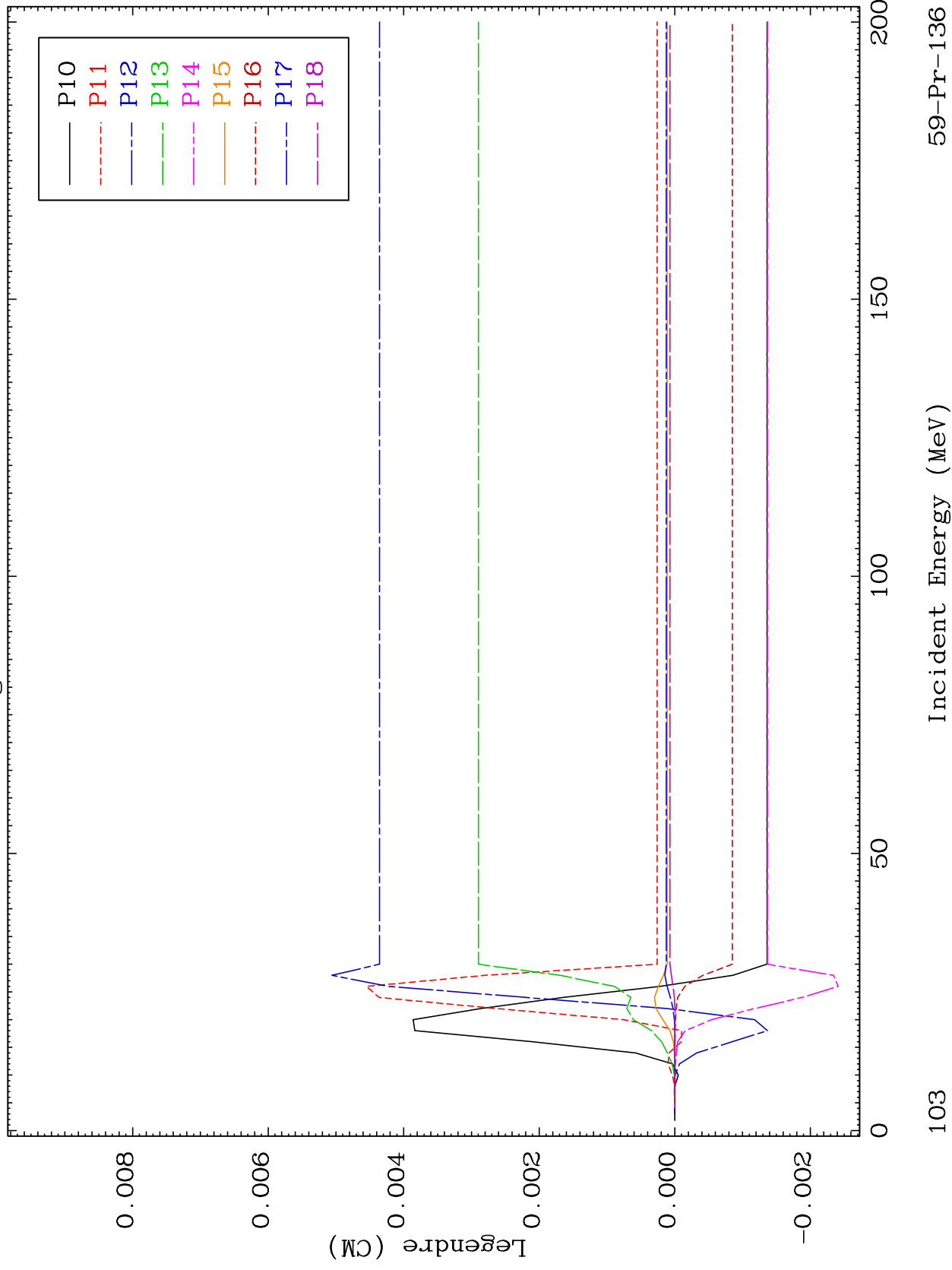
101



MAT 5910

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

59-Pr-136



59-Pr-136

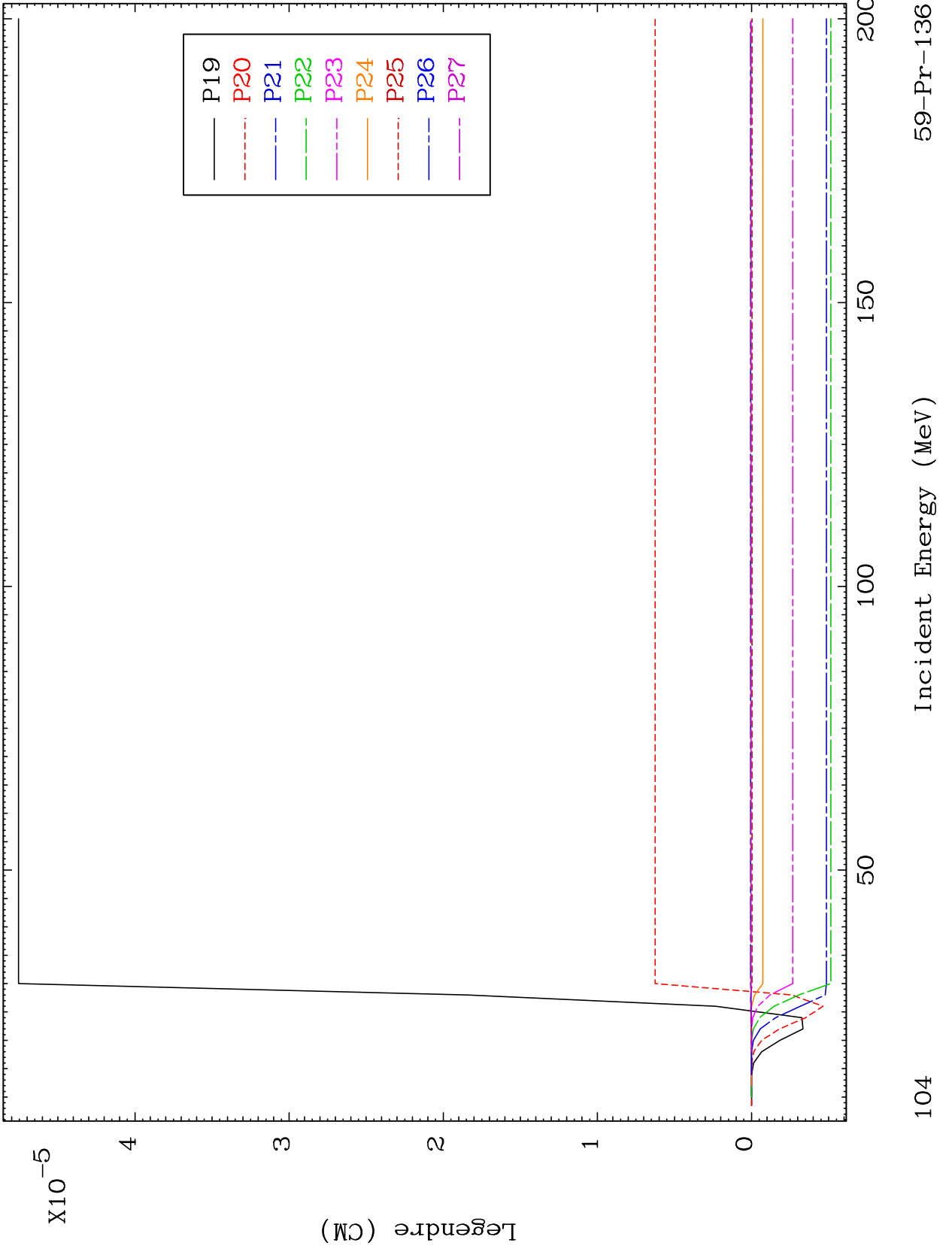
Incident Energy (MeV)

103

MAT 5910

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

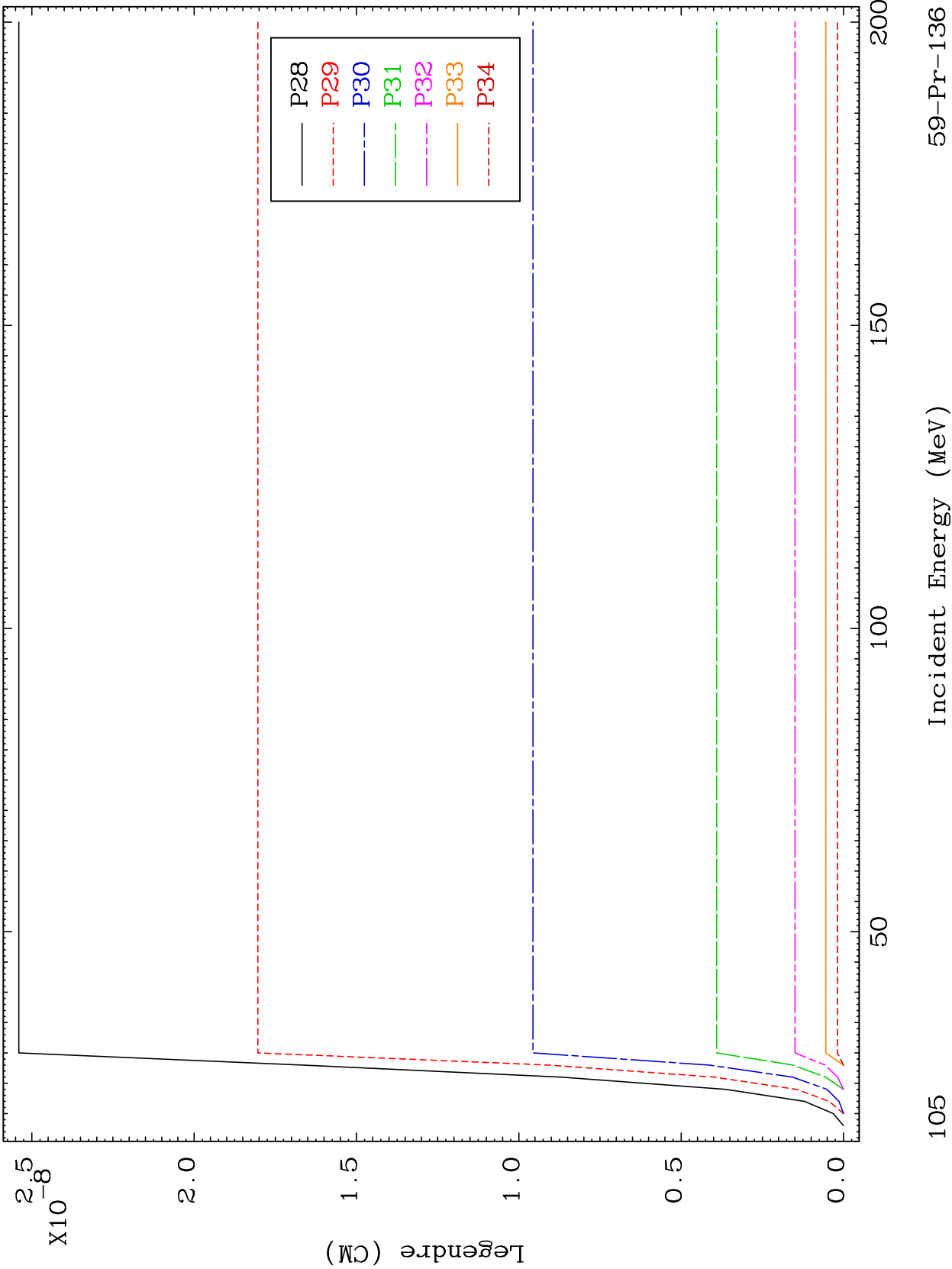
59-Pr-136



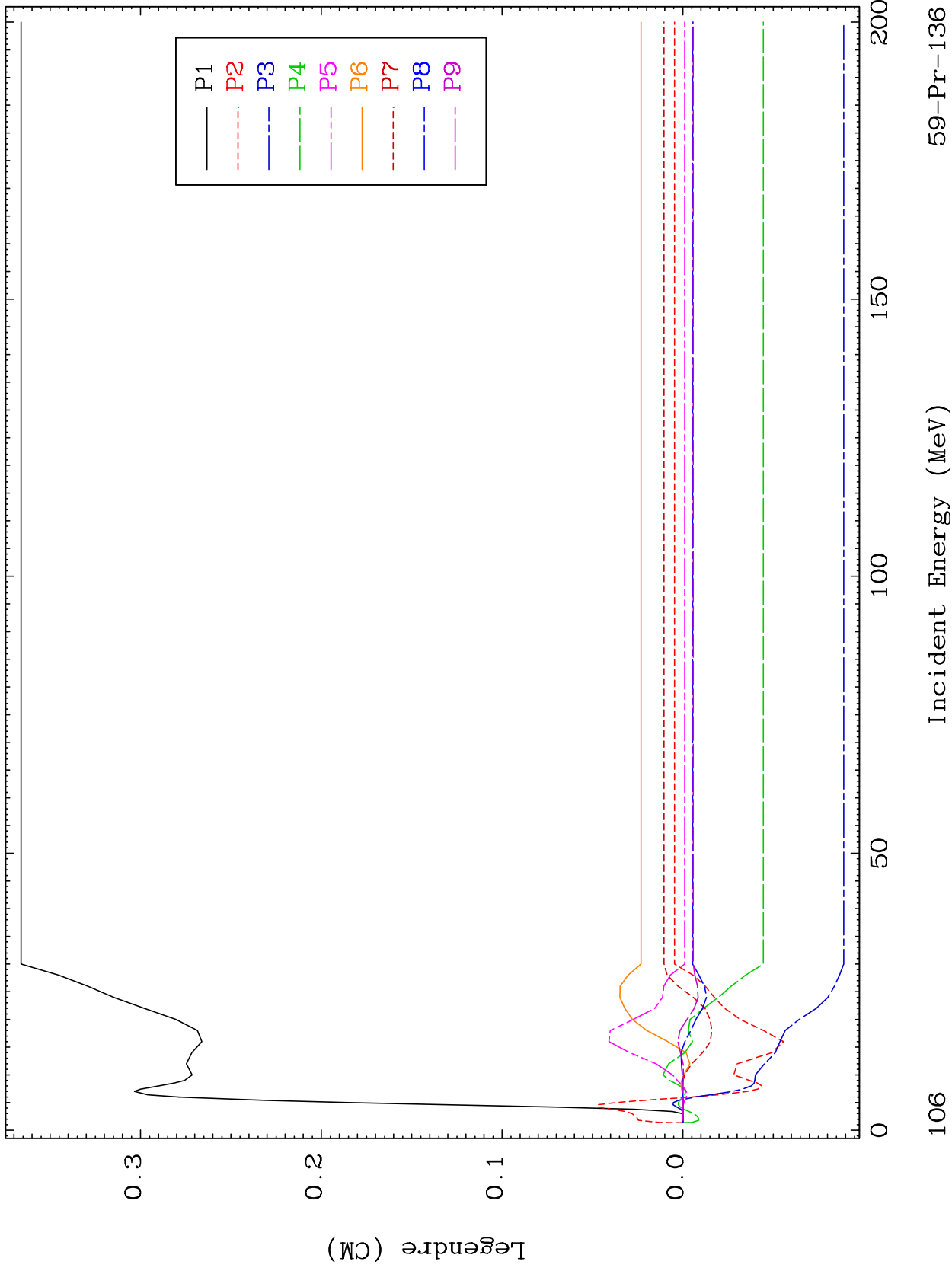
MAT 5910

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

59-Pr-136



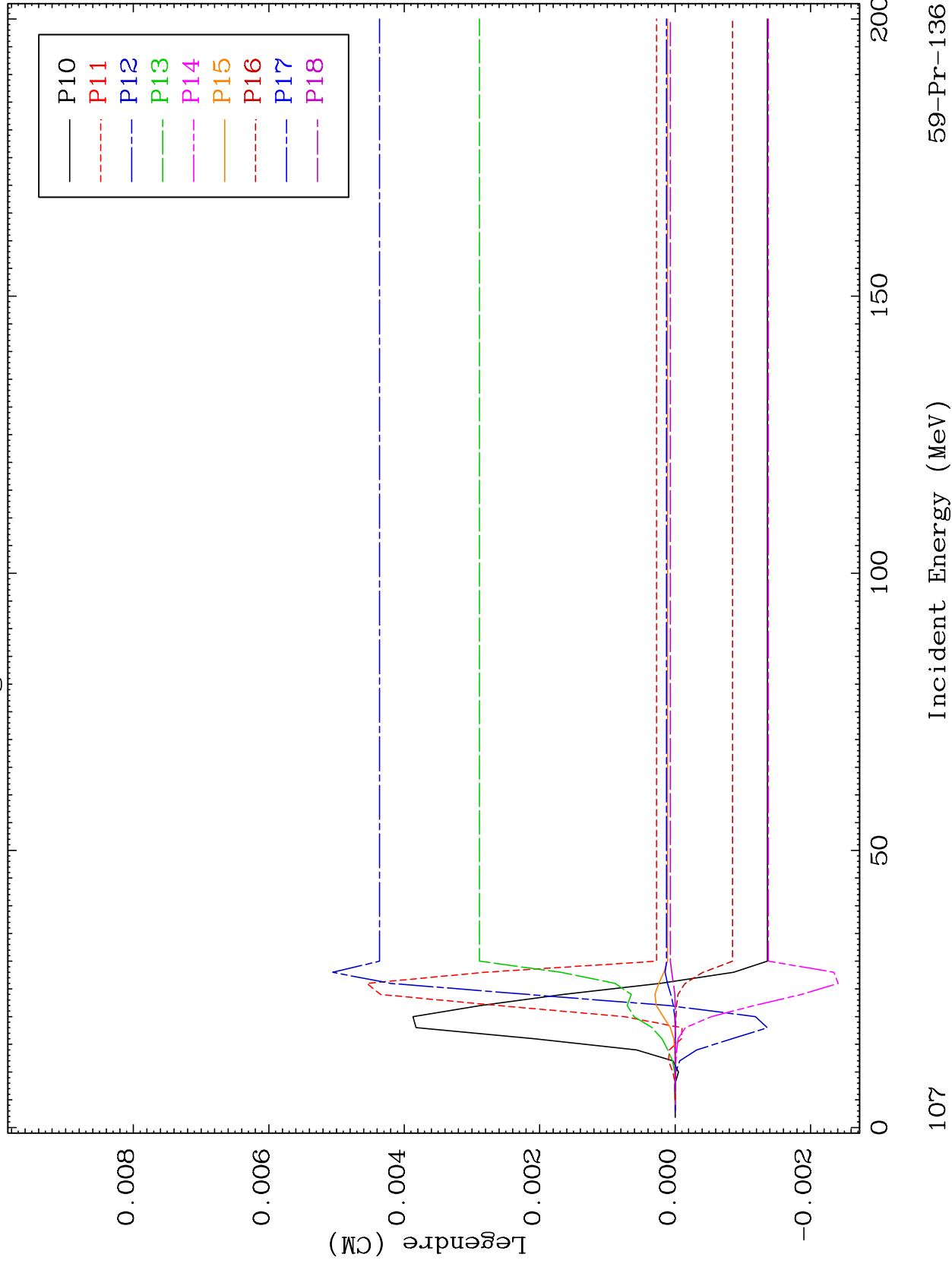
59-Pr-136



MAT 5910

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

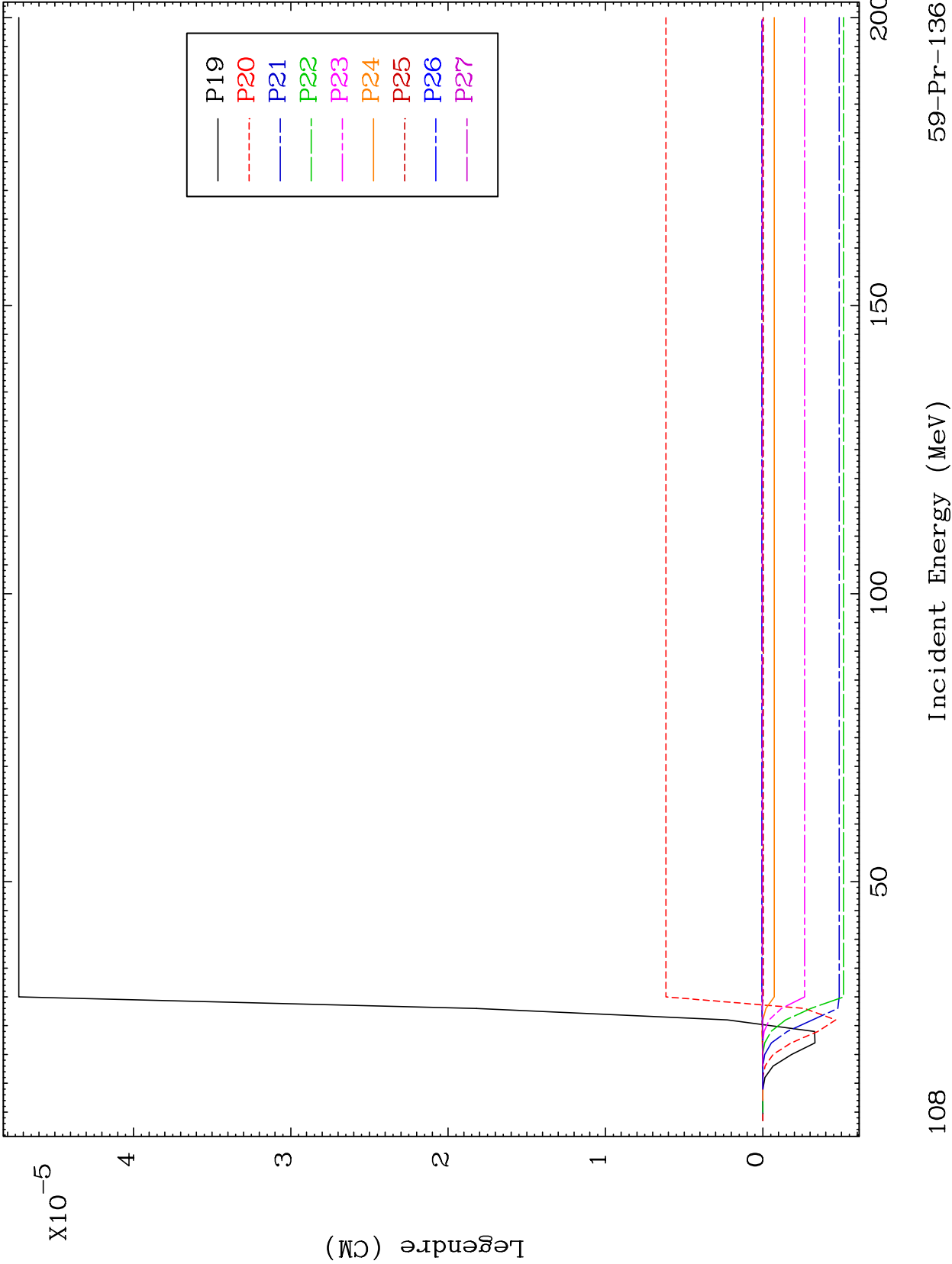
59-Pr-136

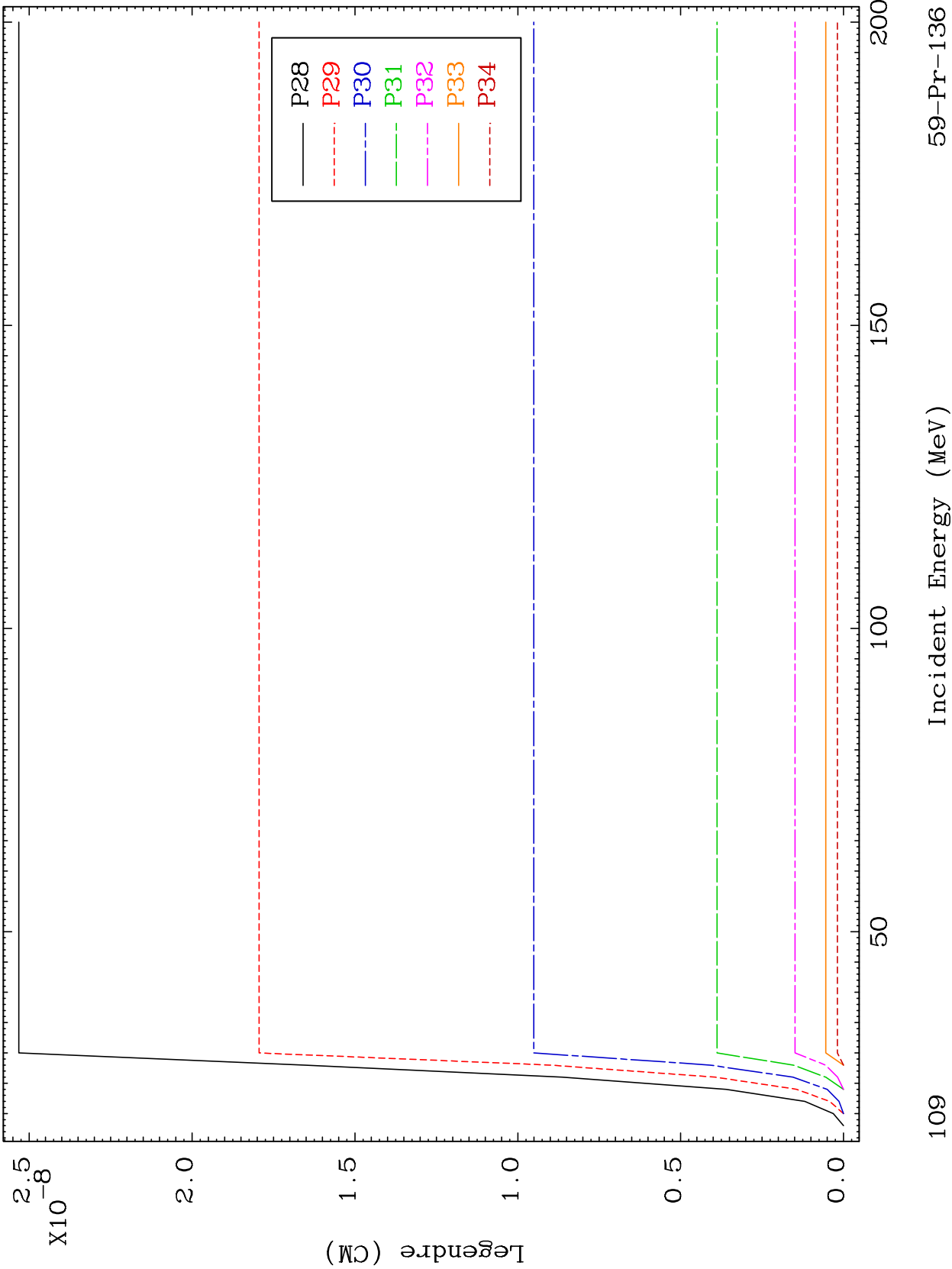


59-Pr-136

Incident Energy (MeV)

107

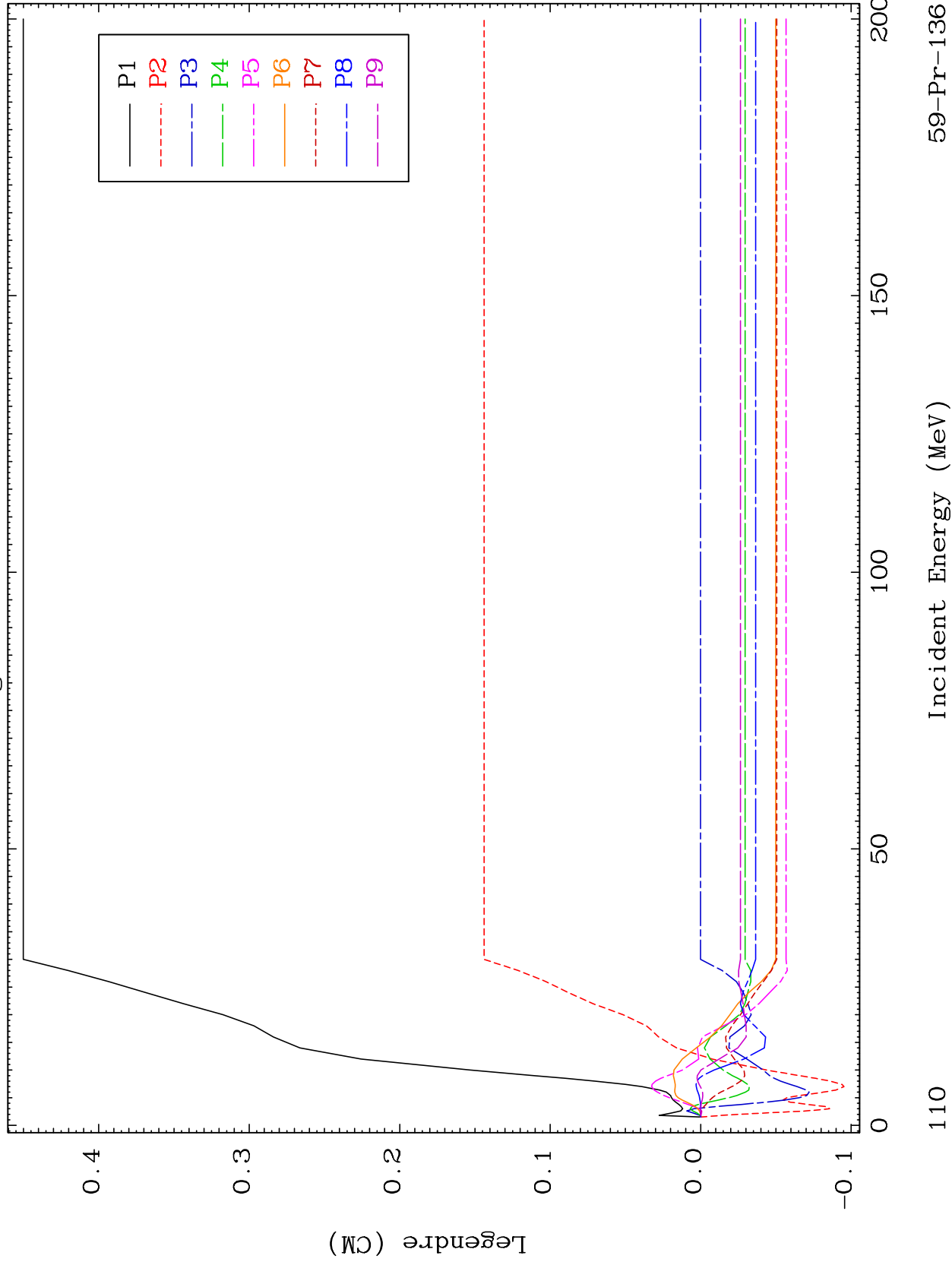




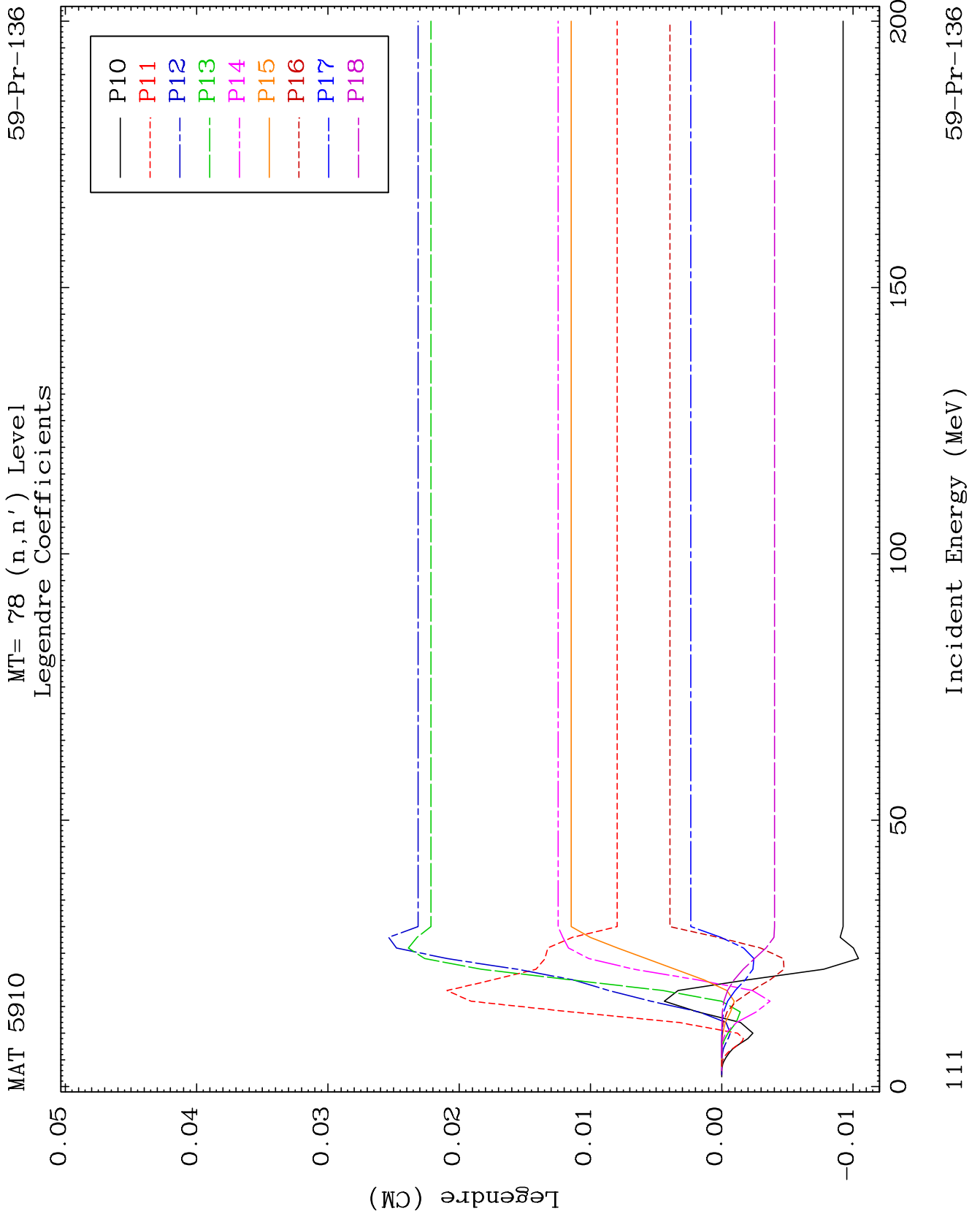
MAT 5910

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

59-Pr-136



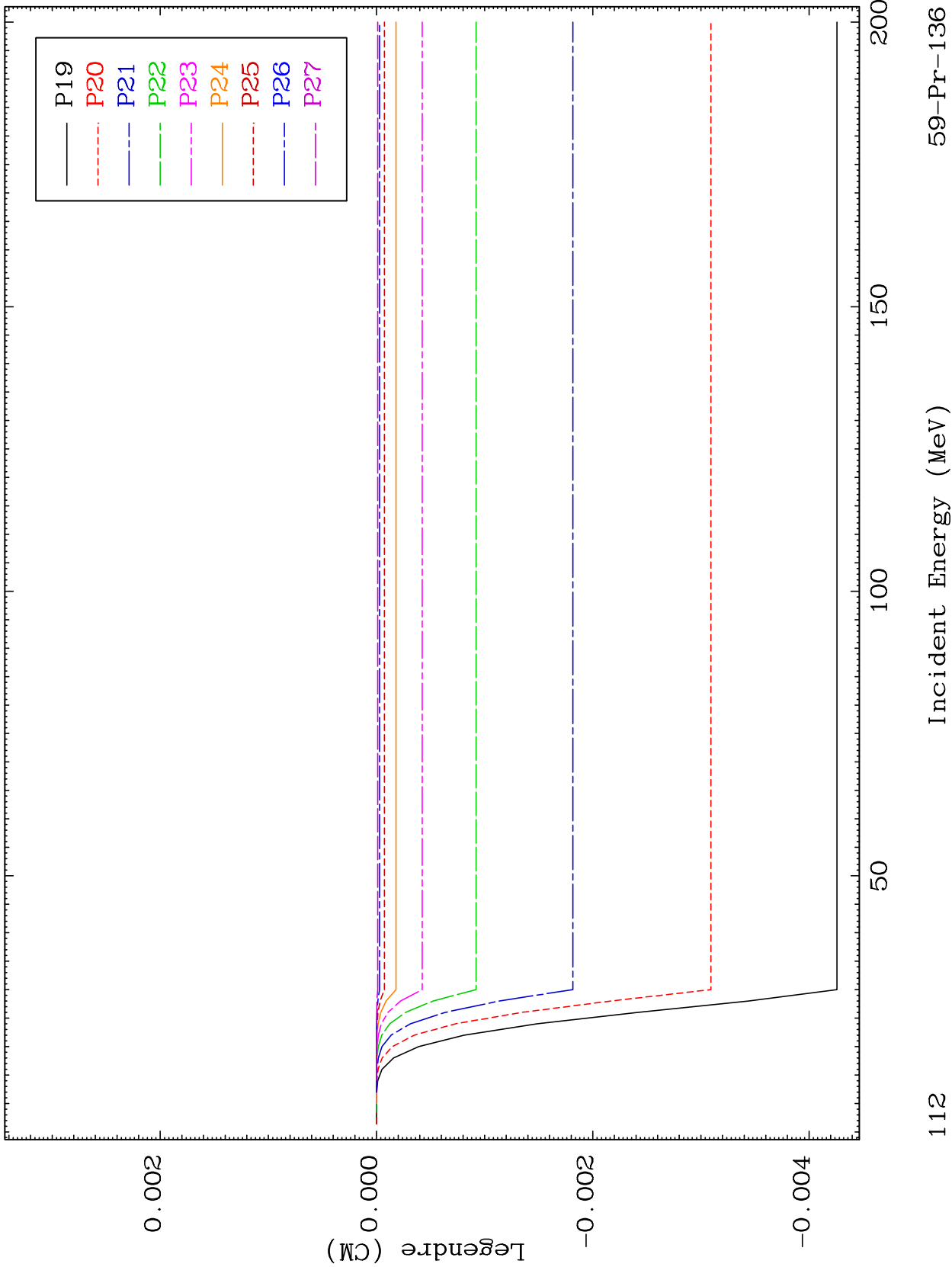
59-Pr-136



MAT 5910

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

59-Pr-136



112

Incident Energy (MeV)

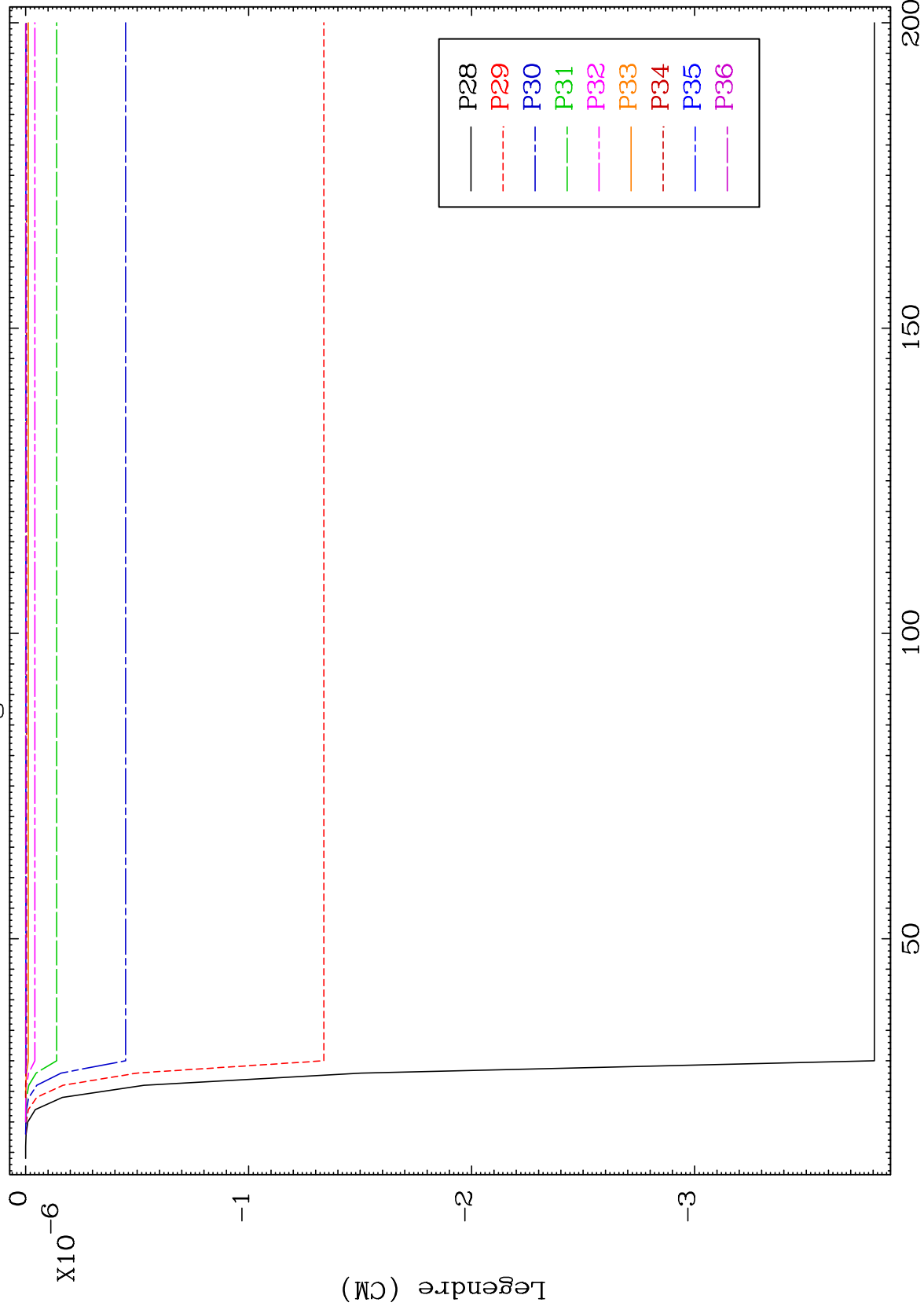
59-Pr-136

MAT 5910

MT= 78 (n,n') Level

59-Pr-136

Legendre Coefficients



113

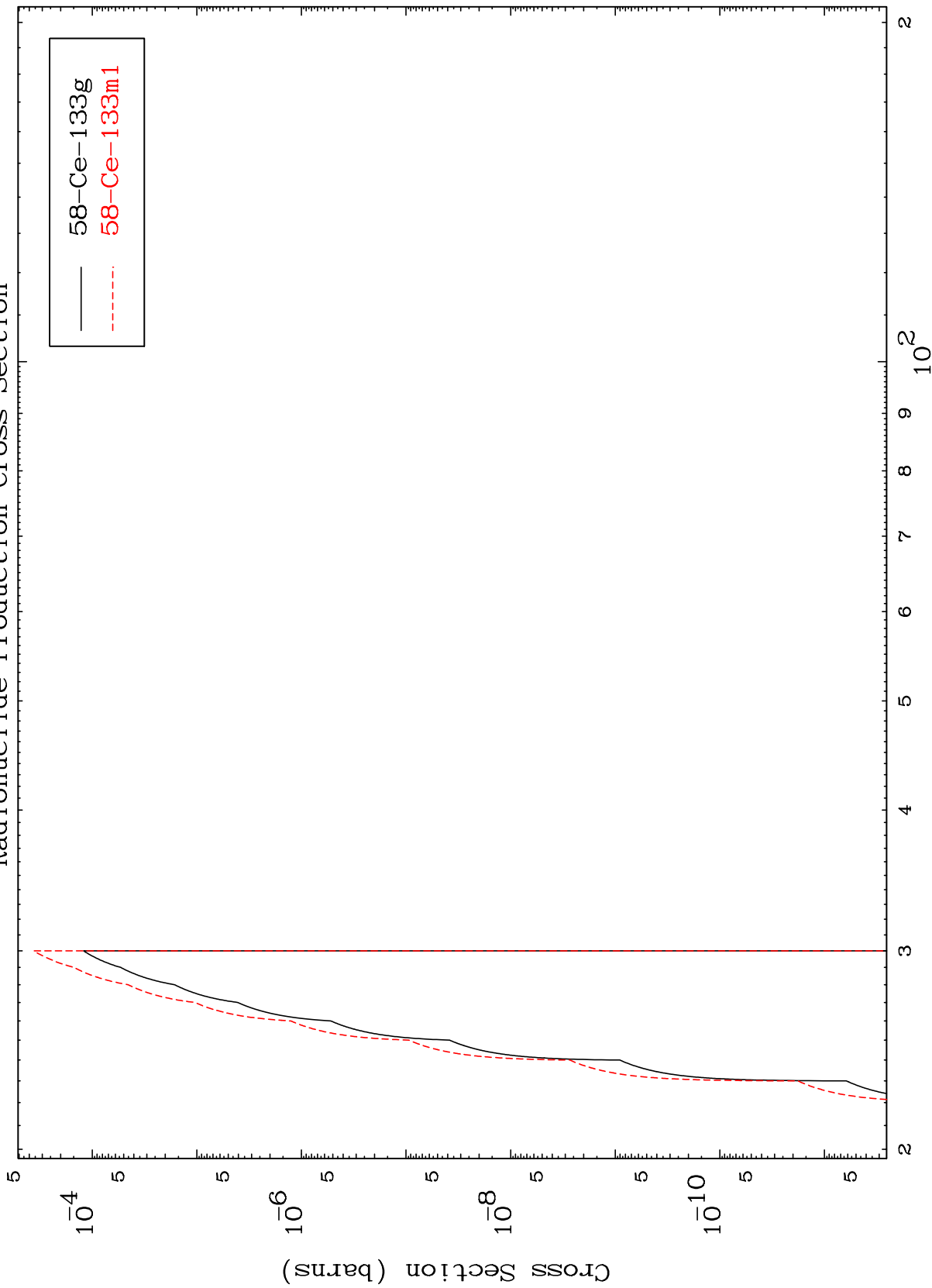
59-Pr-136

MAT 5910

(n,2n) d

59-Pr-136

Radionuclide Production Cross Section



58-Ce-133g
58-Ce-133m1

114

Incident Energy (MeV)

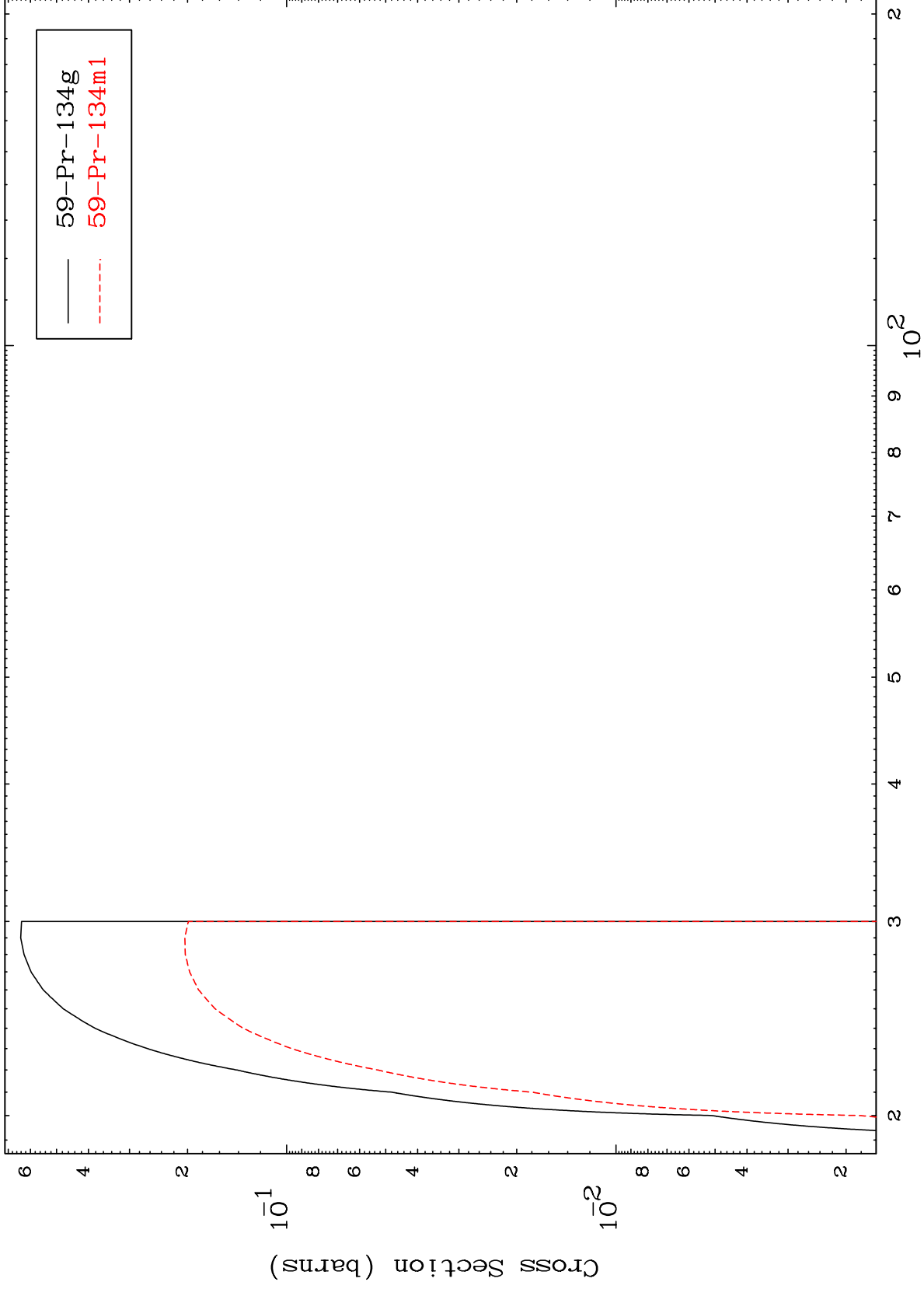
59-Pr-136

MAT 5910

(n,3n)

59-Pr-136

Radionuclide Production Cross Section

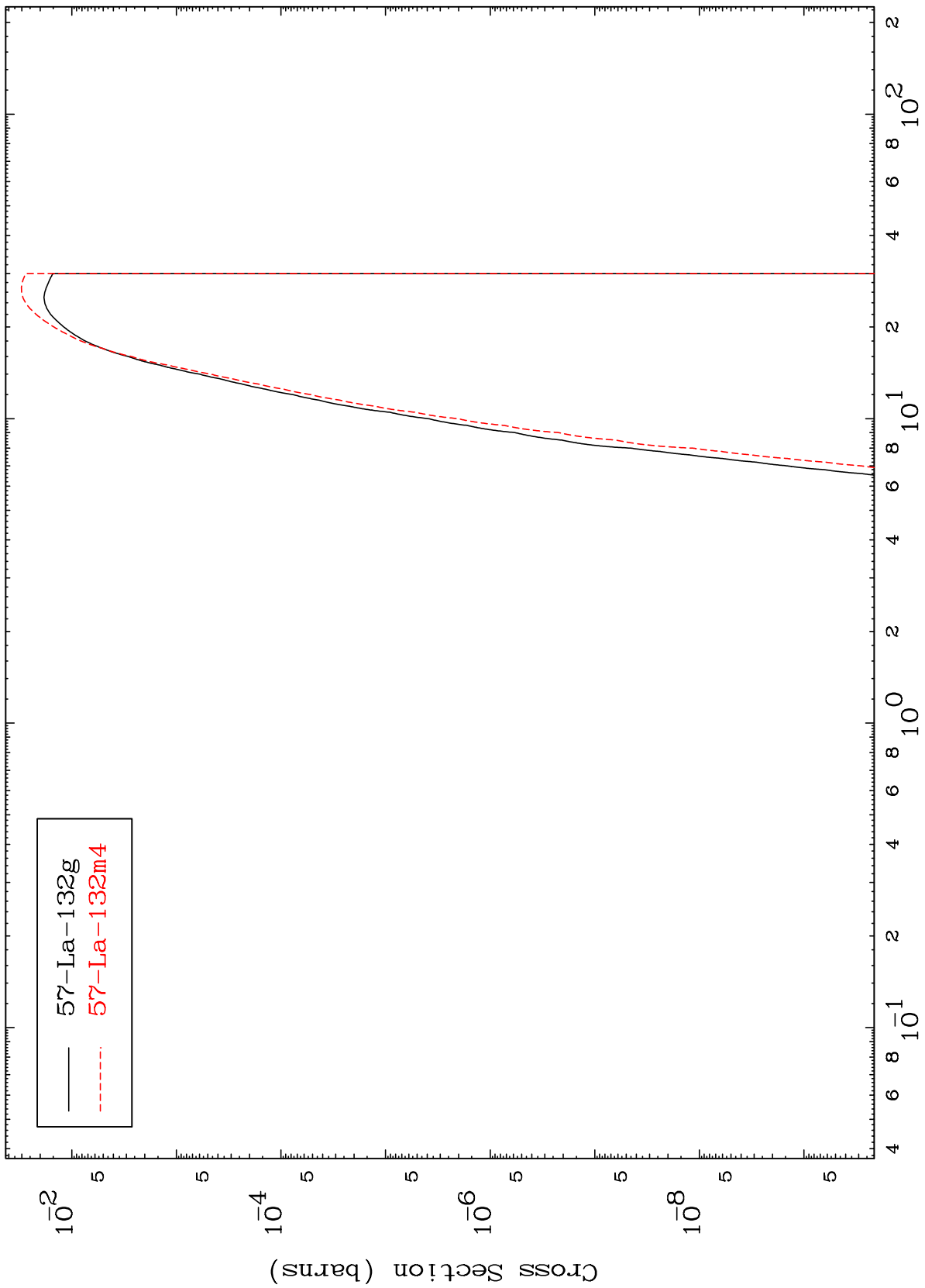


115

Incident Energy (MeV)

59-Pr-136

Radionuclide Production Cross Section

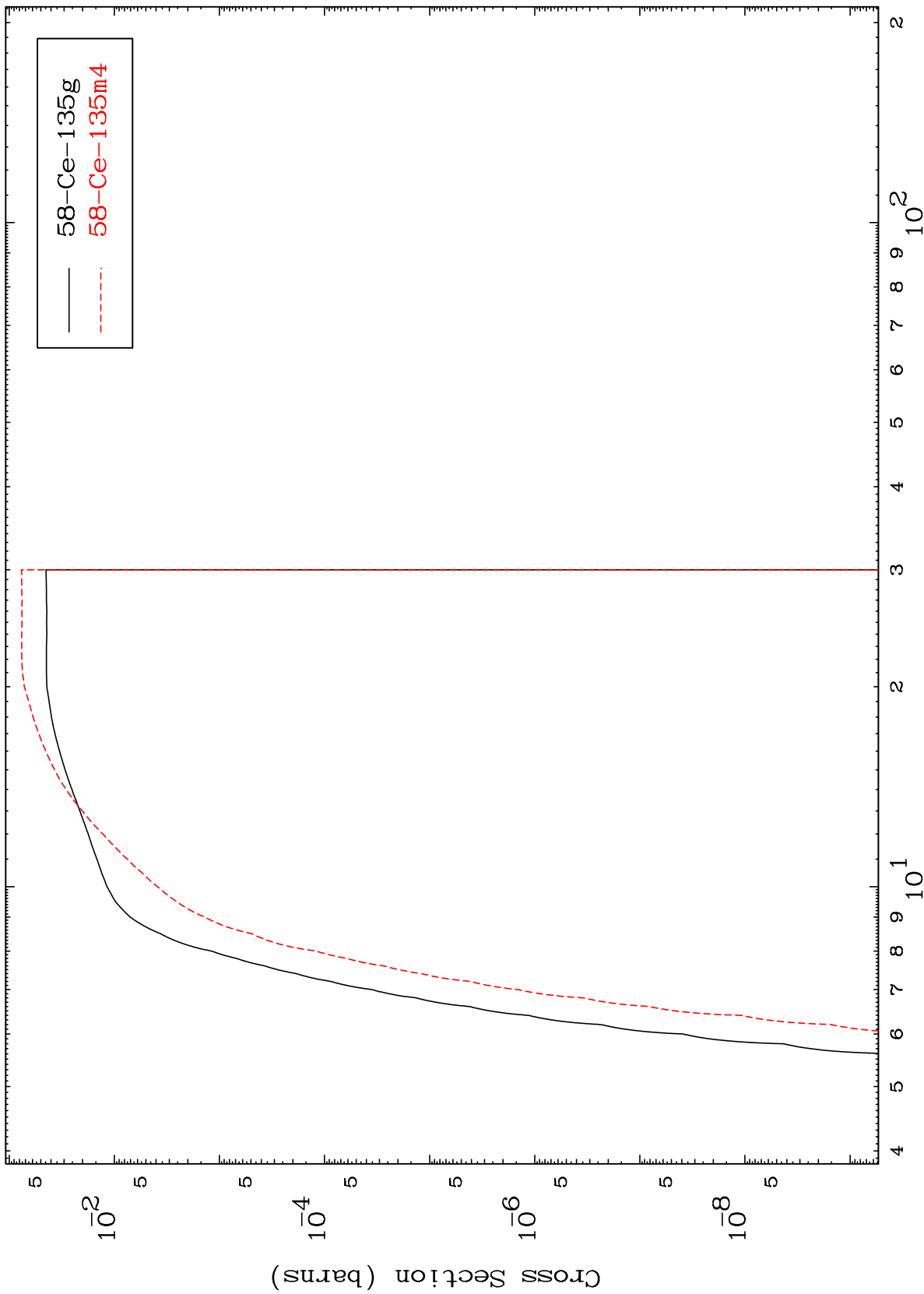


MAT 5910

(n,n') p

59-Pr-136

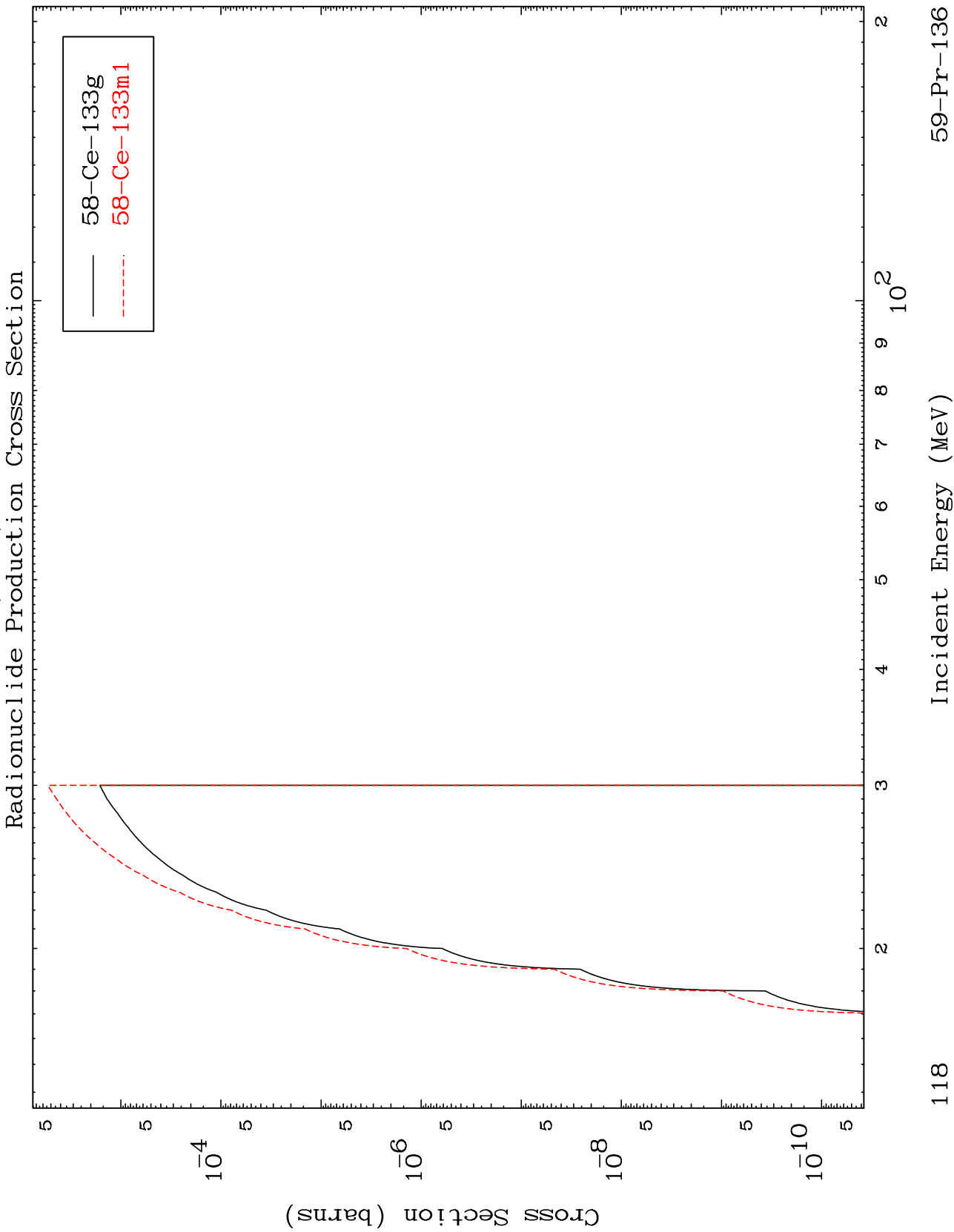
Radionuclide Production Cross Section



117

Incident Energy (MeV)

59-Pr-136

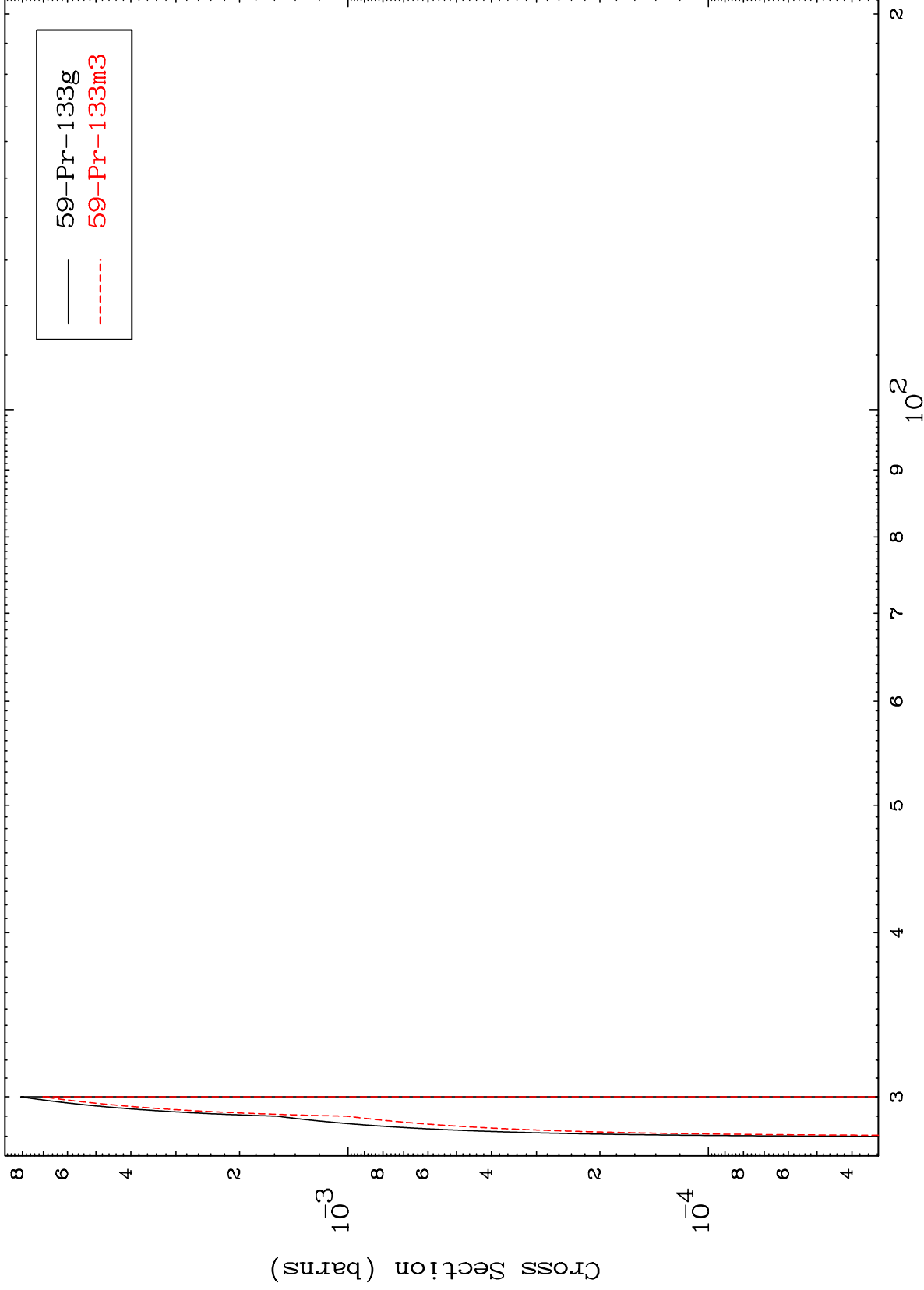


MAT 5910

(n,4n)

59-Pr-136

Radionuclide Production Cross Section



119

Incident Energy (MeV)

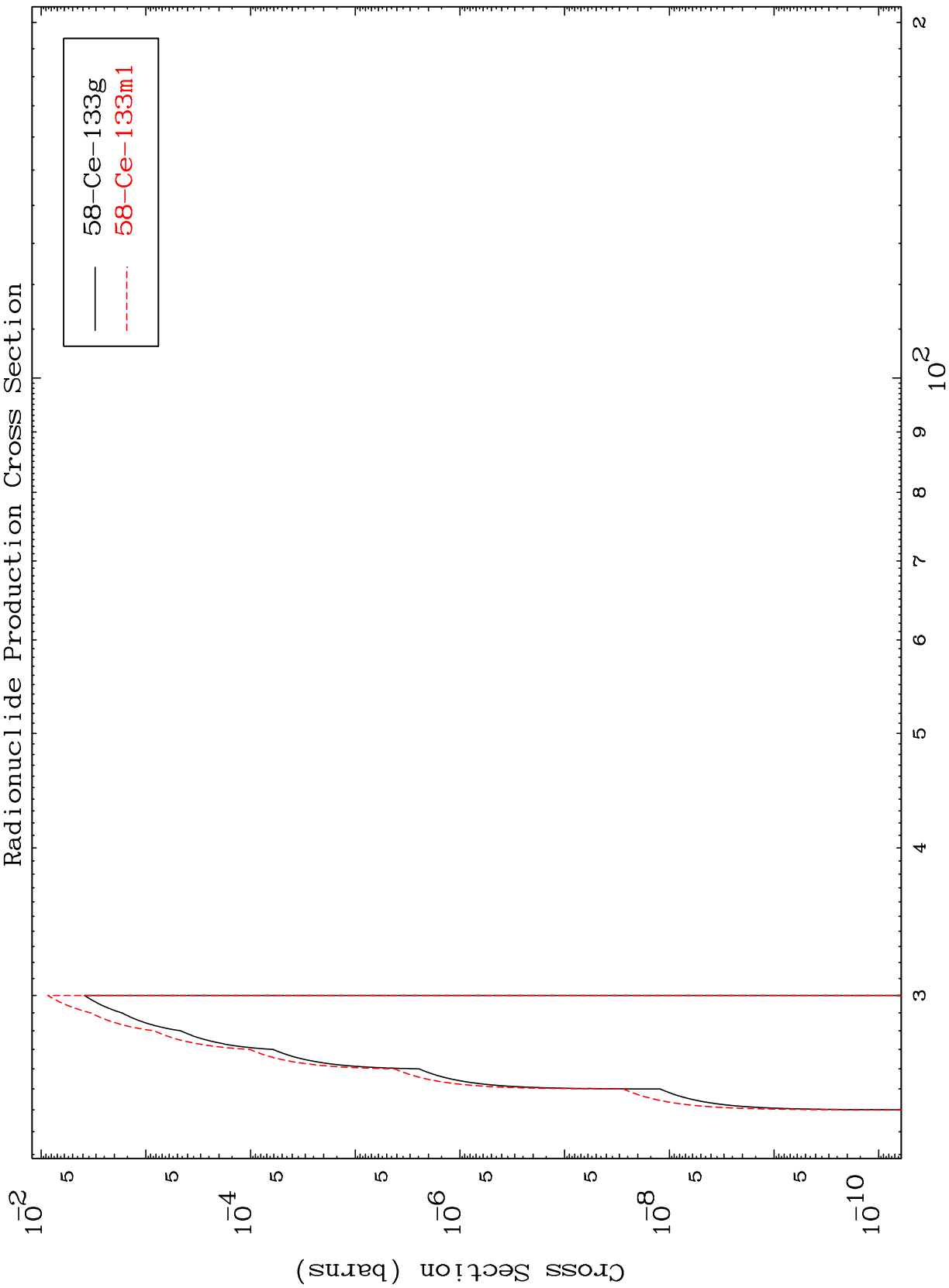
59-Pr-136

MAT 5910

(n,3n) p

59-Pr-136

Radionuclide Production Cross Section



120

Incident Energy (MeV)

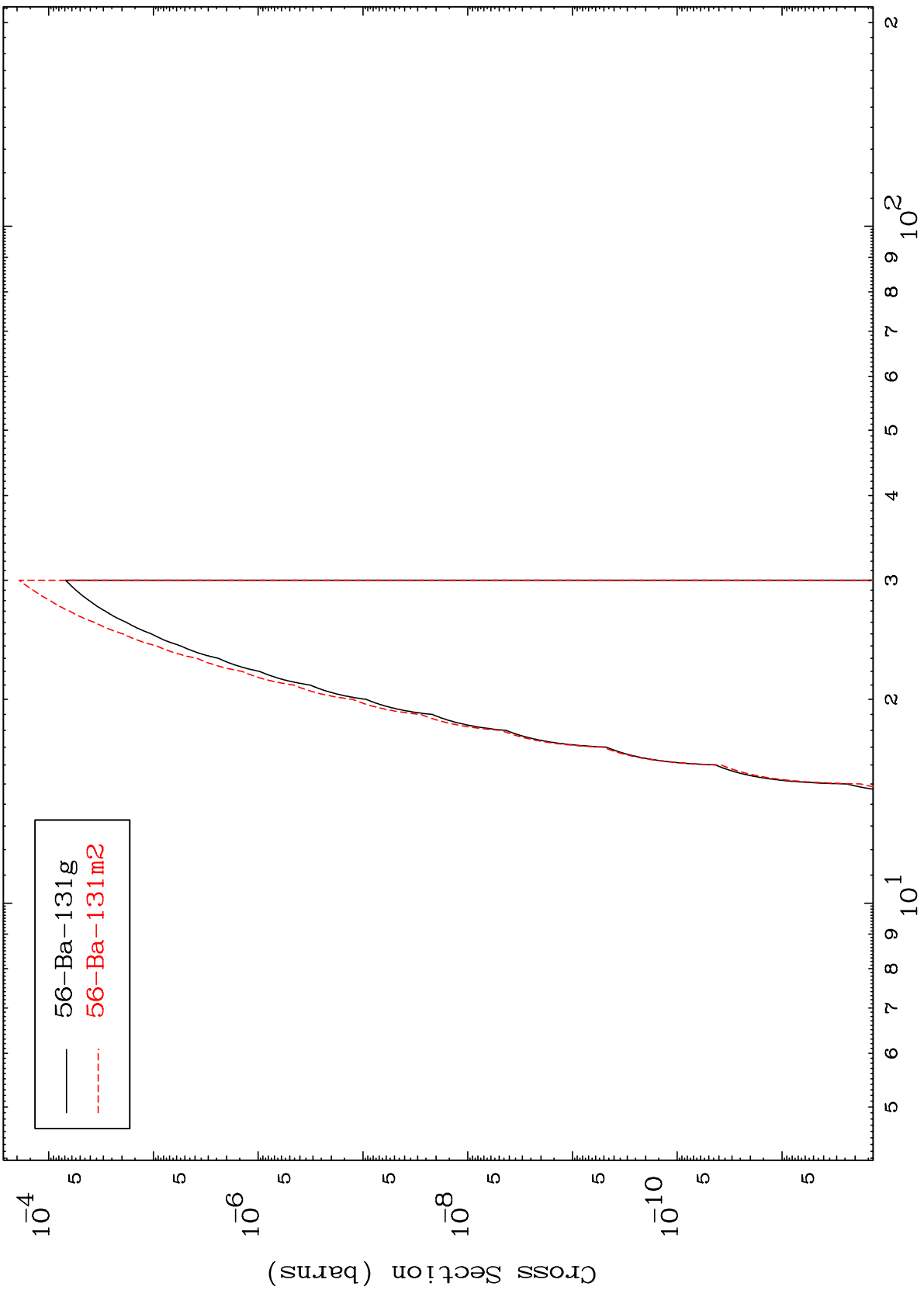
59-Pr-136

MAT 5910

(n,n') p α

59-Pr-136

Radionuclide Production Cross Section



121

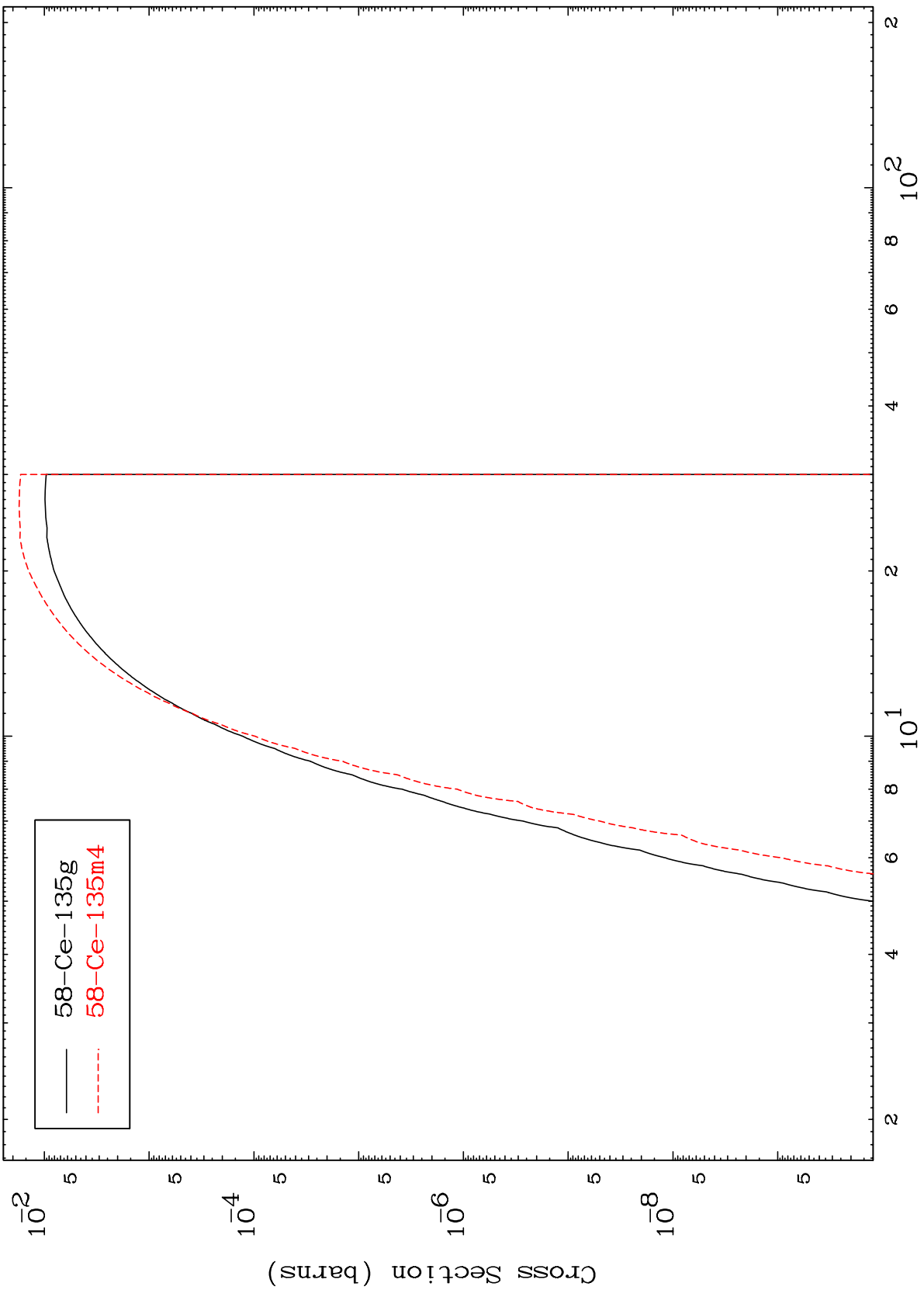
Incident Energy (MeV)

59-Pr-136

MAT 5910

59-Pr-136

(n,d)
Radionuclide Production Cross Section



— 58-Ce-135g
- - - 58-Ce-135m4

122

Incident Energy (MeV)

59-Pr-136

MAT 5910

(n,d) α

59-Pr-136

Radionuclide Production Cross Section

