

Program EVALPLOT
(Version 2017-1)

by

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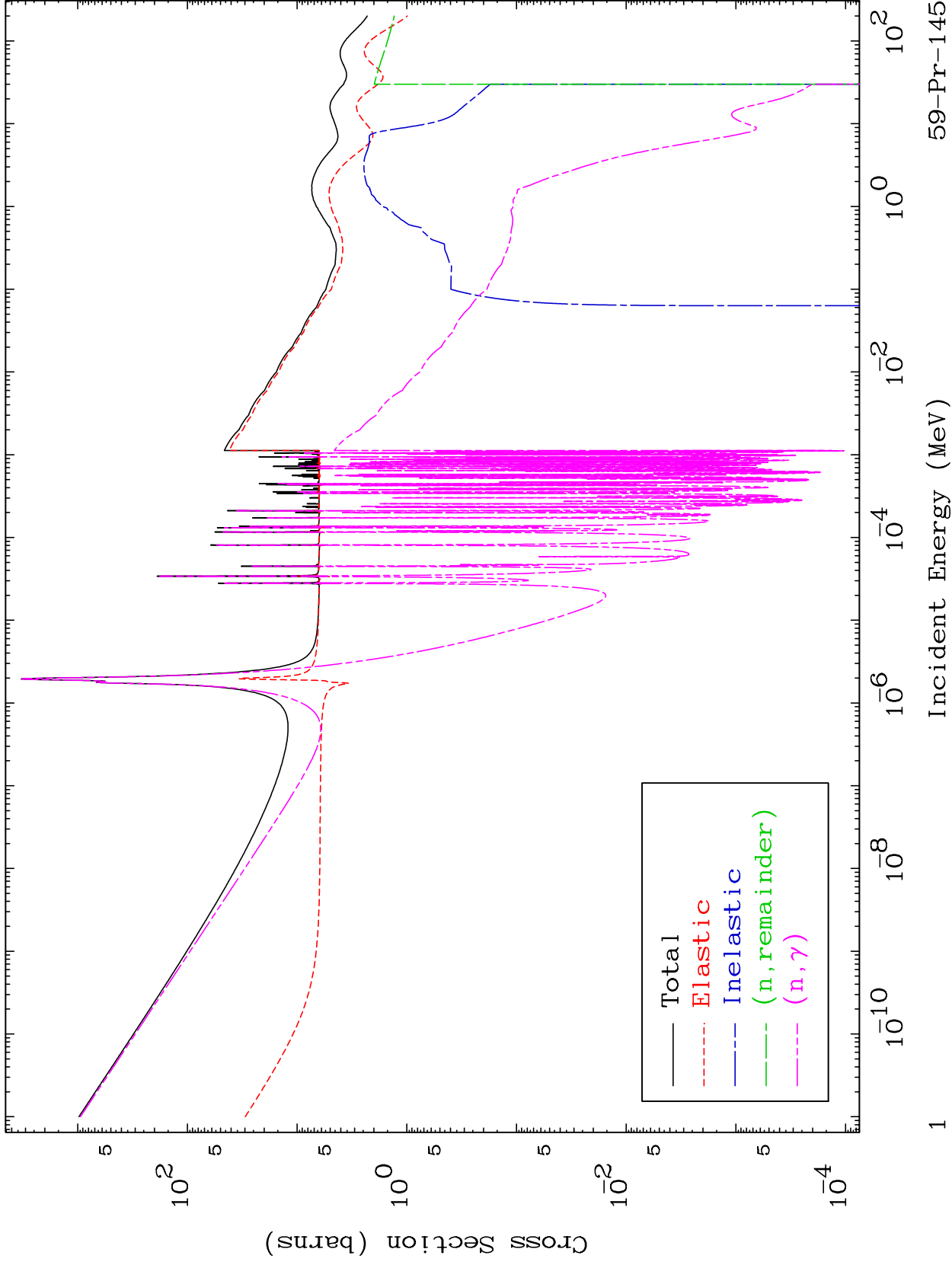
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Press Mouse Button to Start

MAT 5937

Major
293 Kelvin Cross Sections

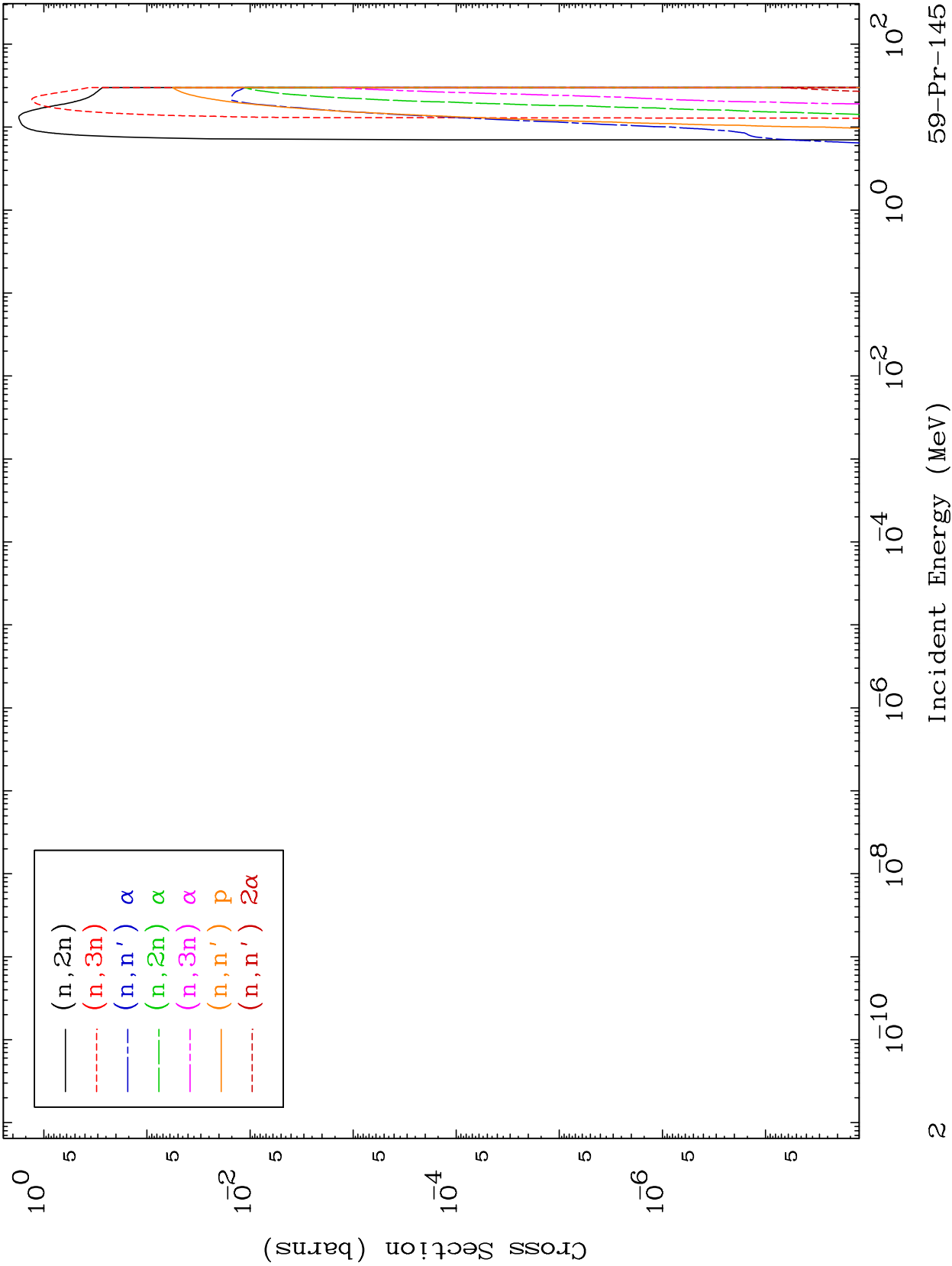
59-Pr-145



MAT 5937

Neutron Production
293 Kelvin Cross Sections

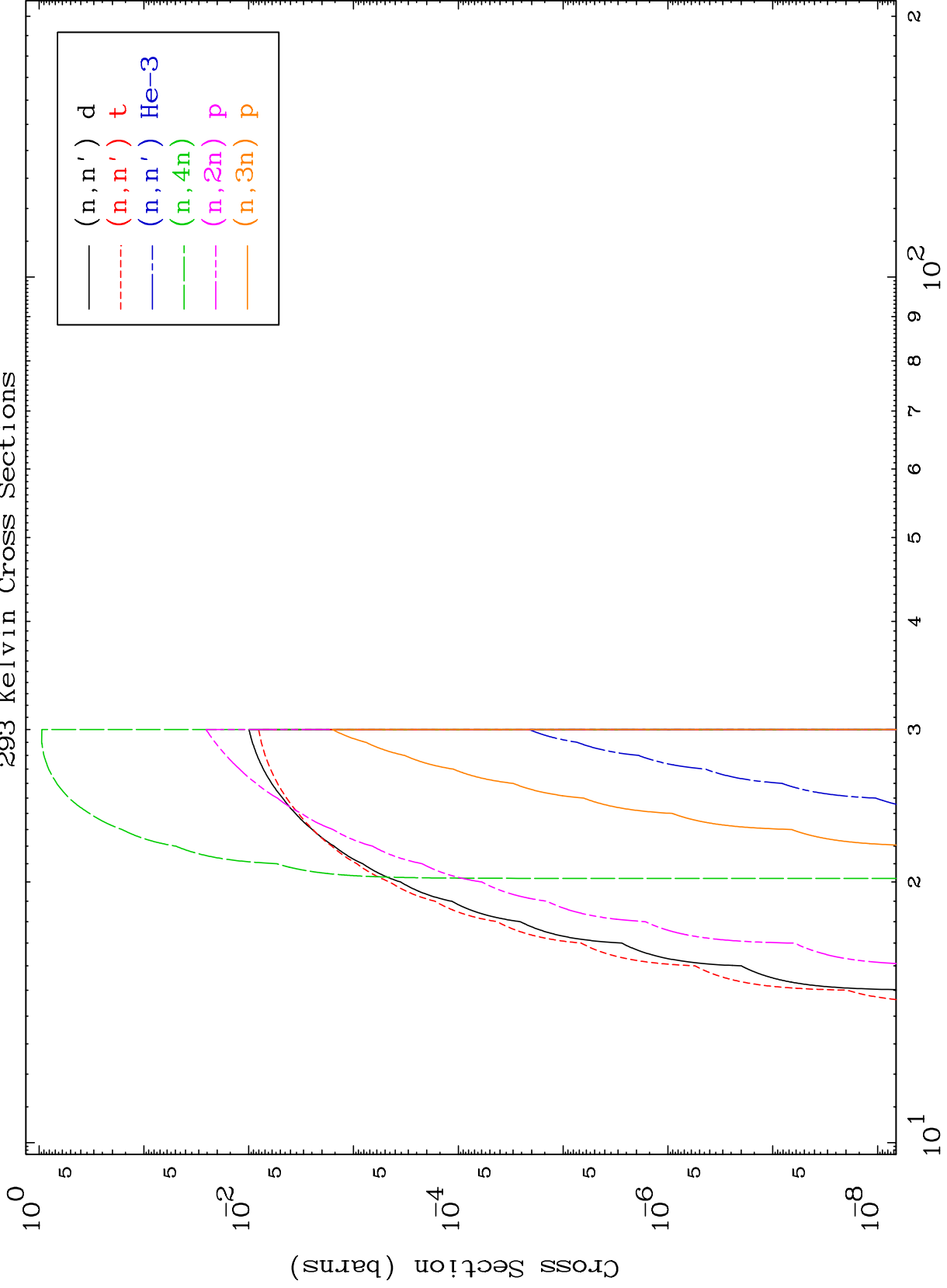
59-Pr-145



MAT 5937

Neutron Production
293 Kelvin Cross Sections

59-Pr-145



59-Pr-145

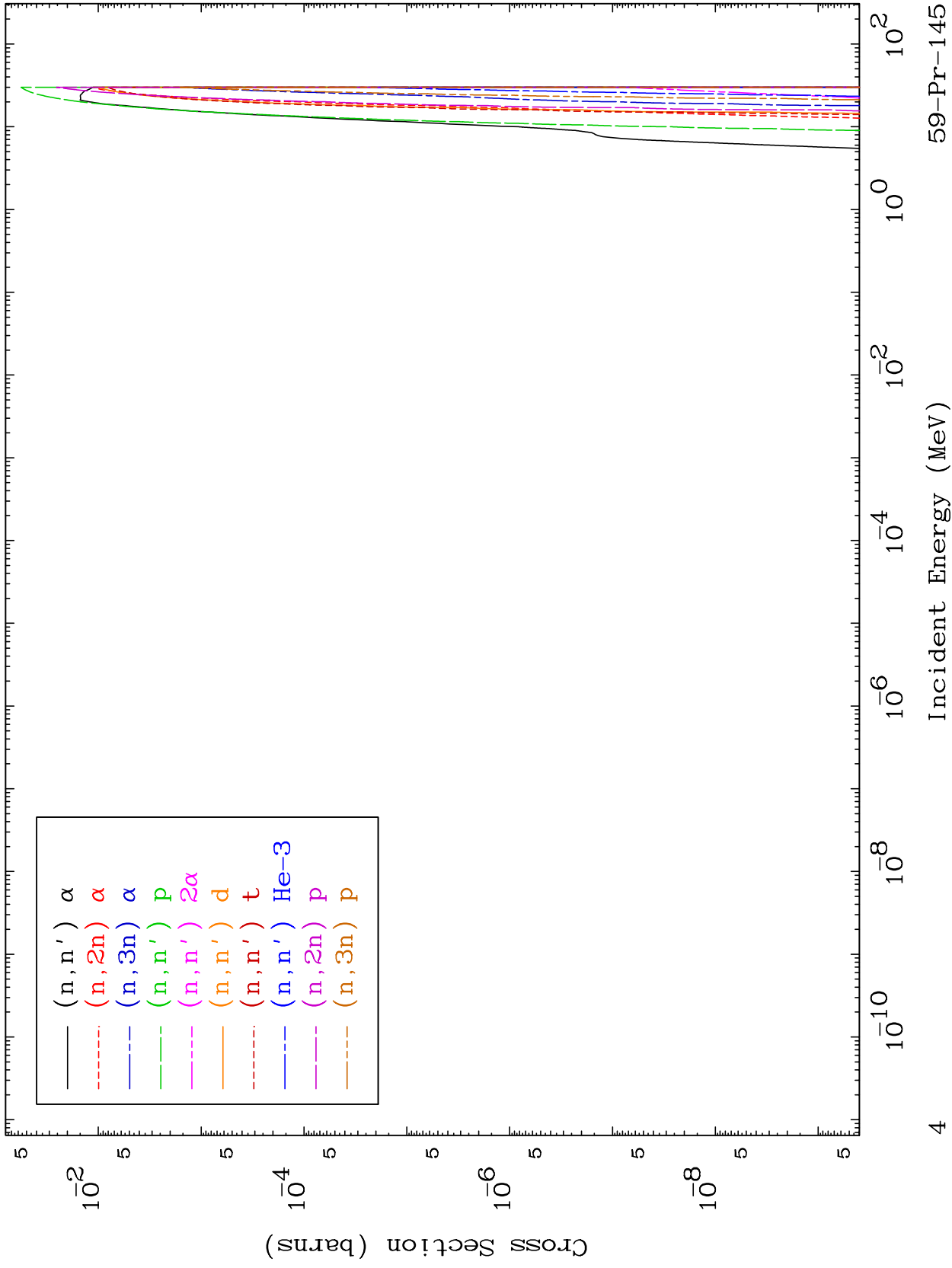
Incident Energy (MeV)

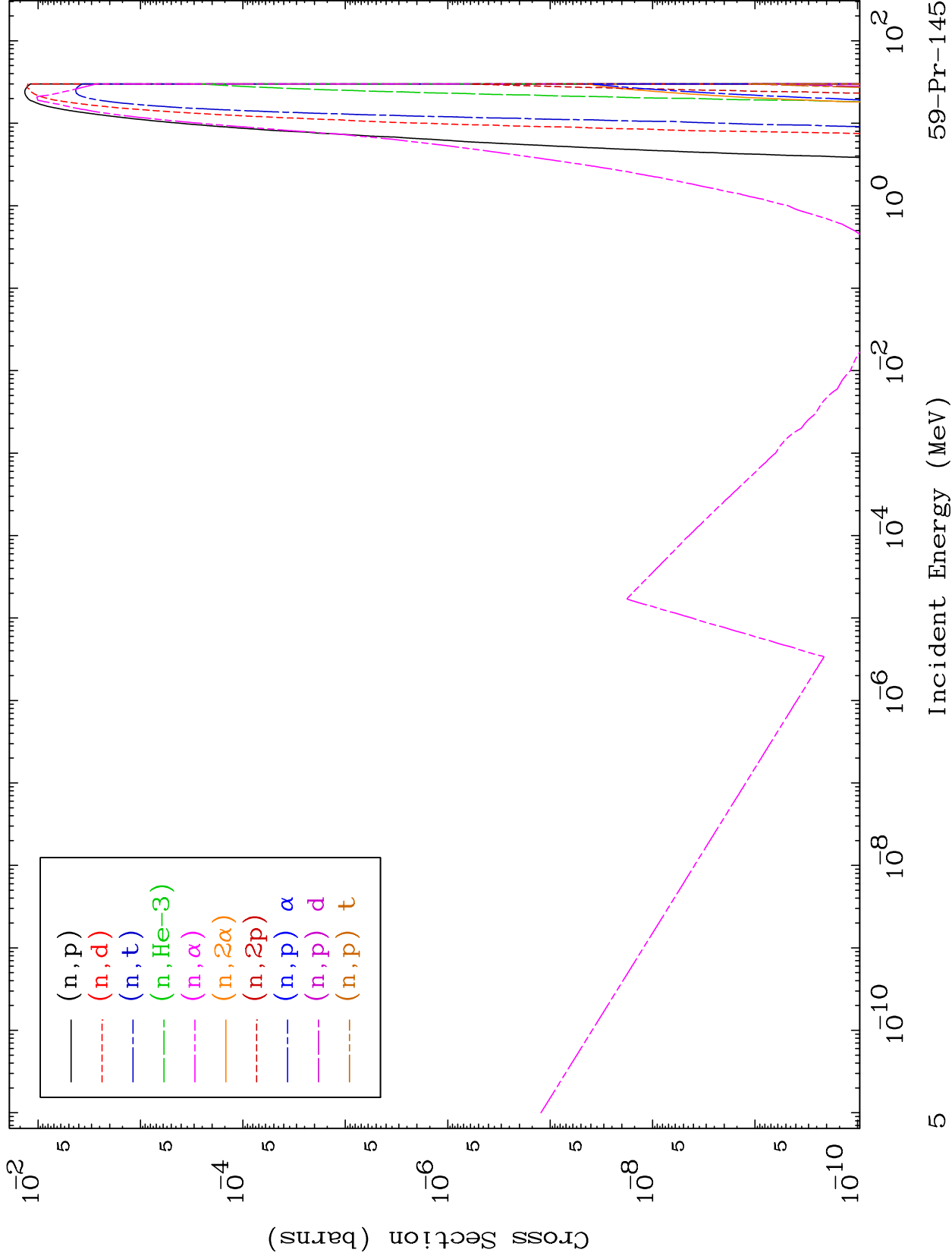
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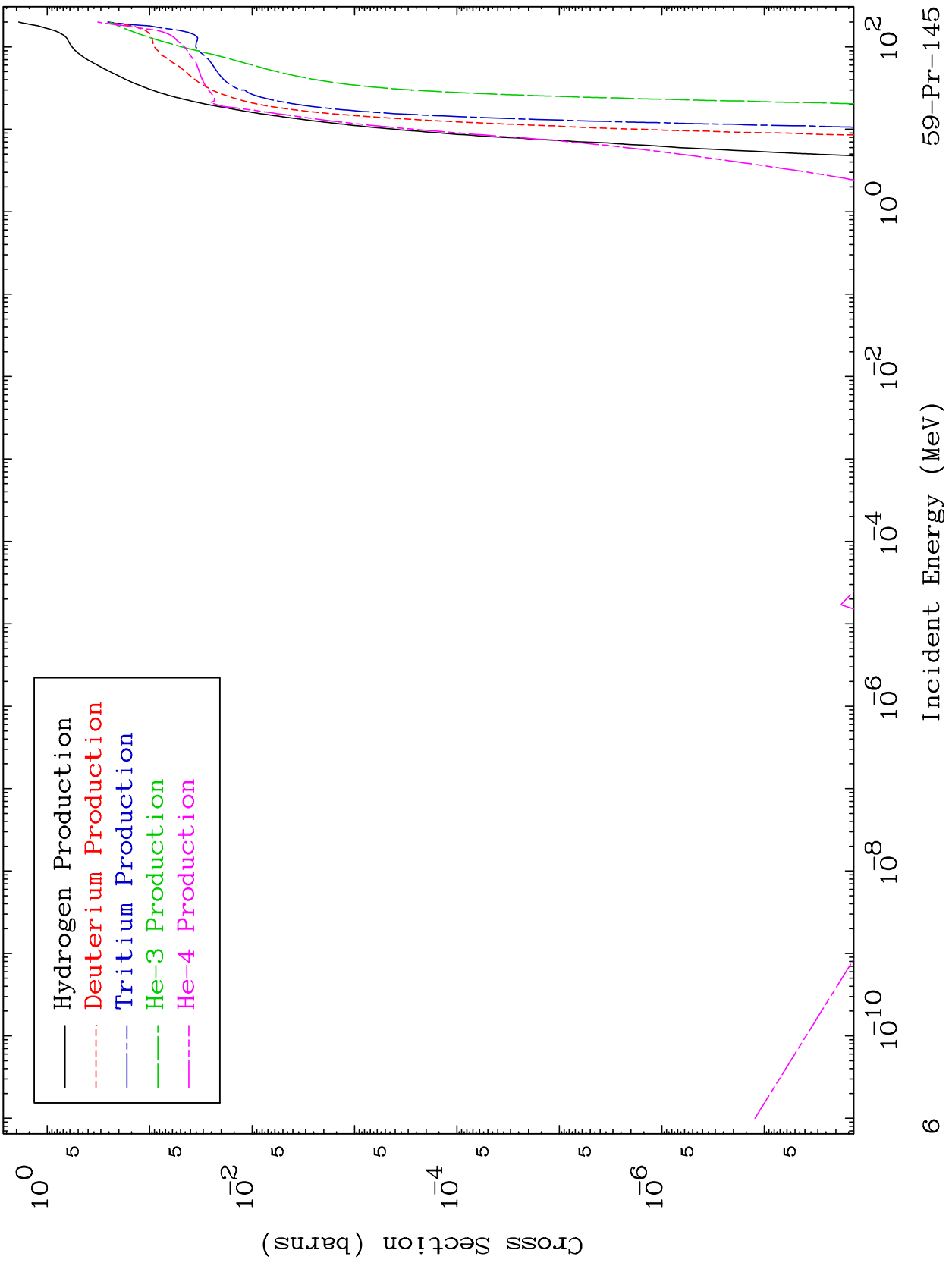
MAT 5937

Charged Particle
293 Kelvin Cross Sections

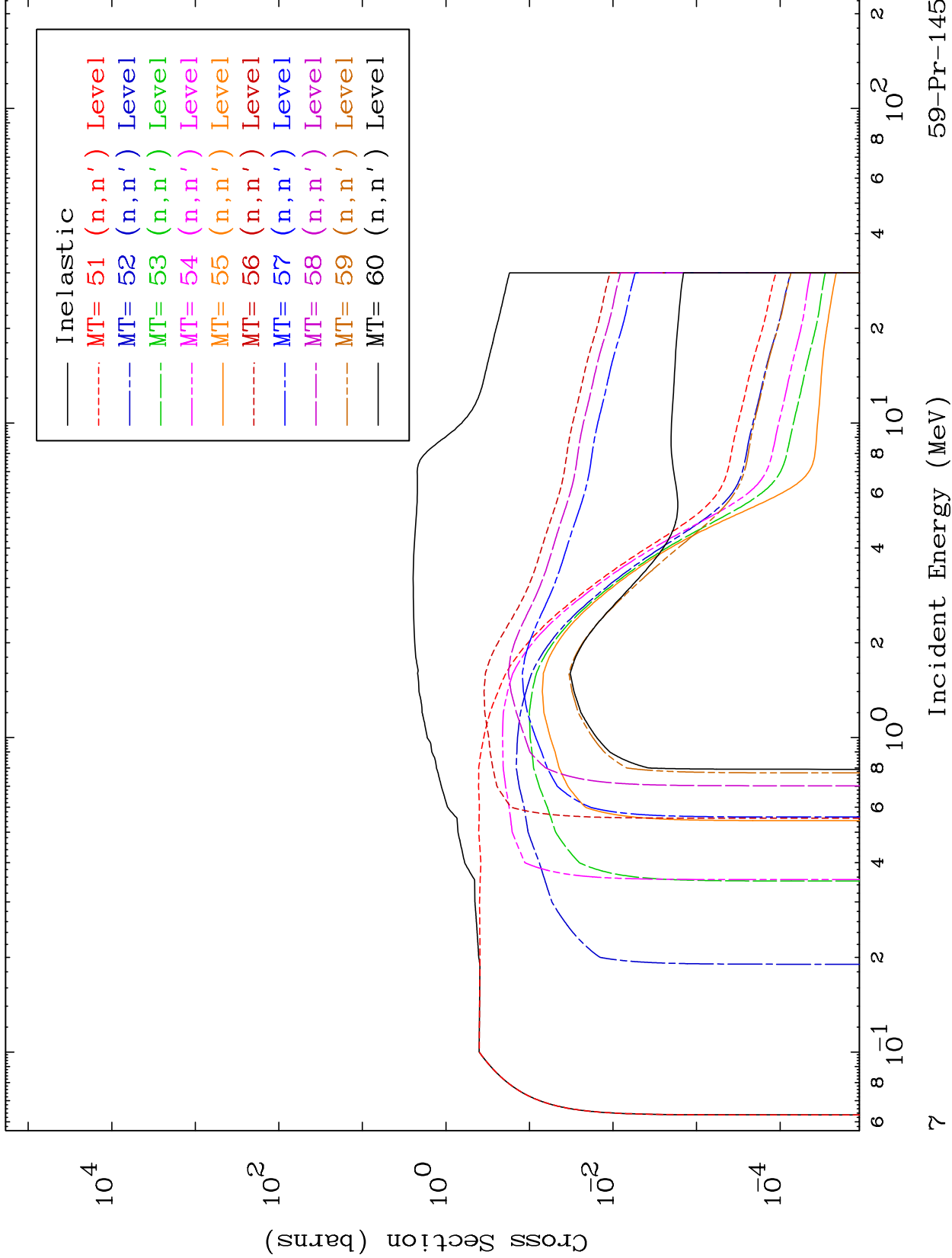
59-Pr-145



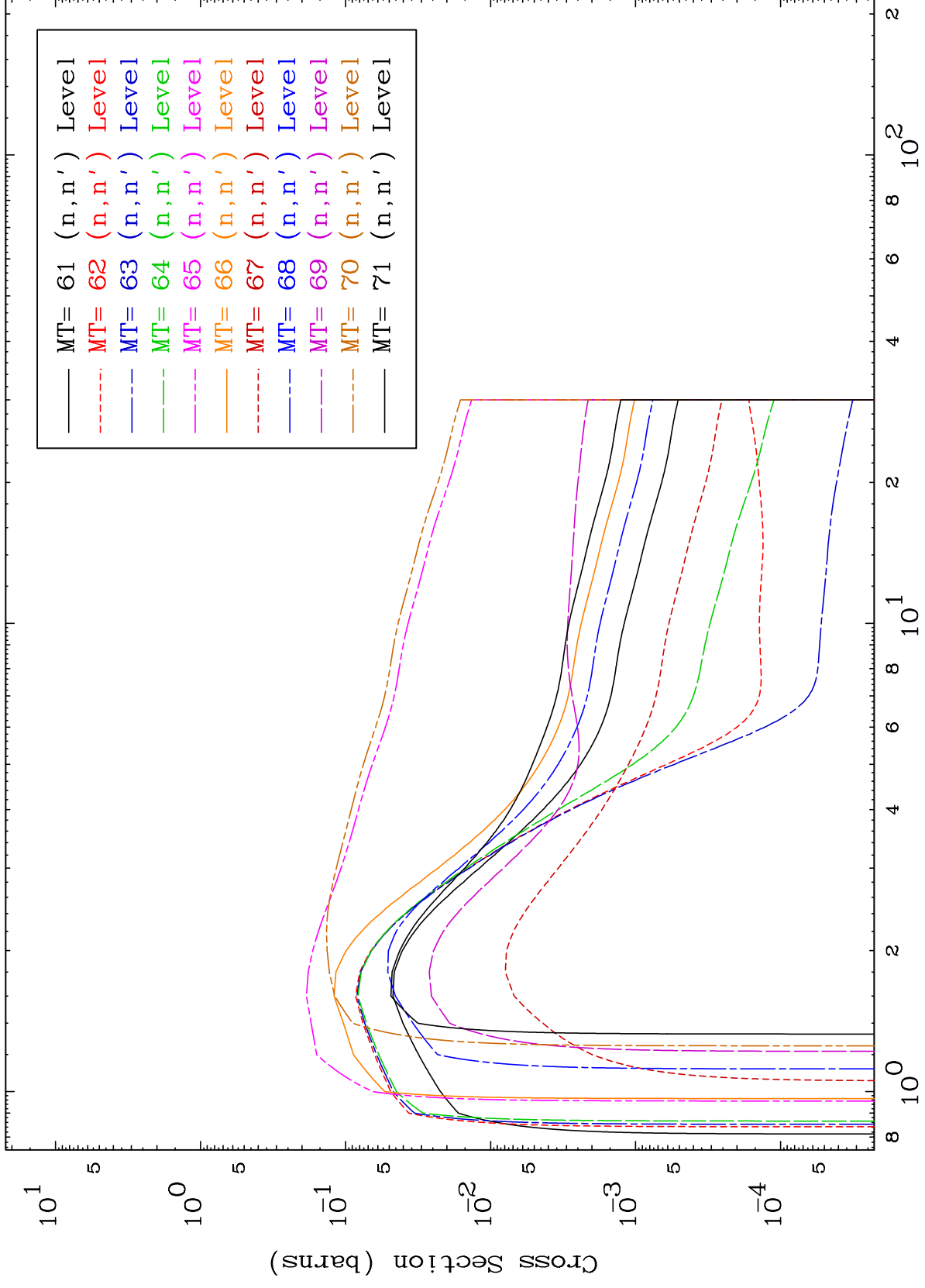




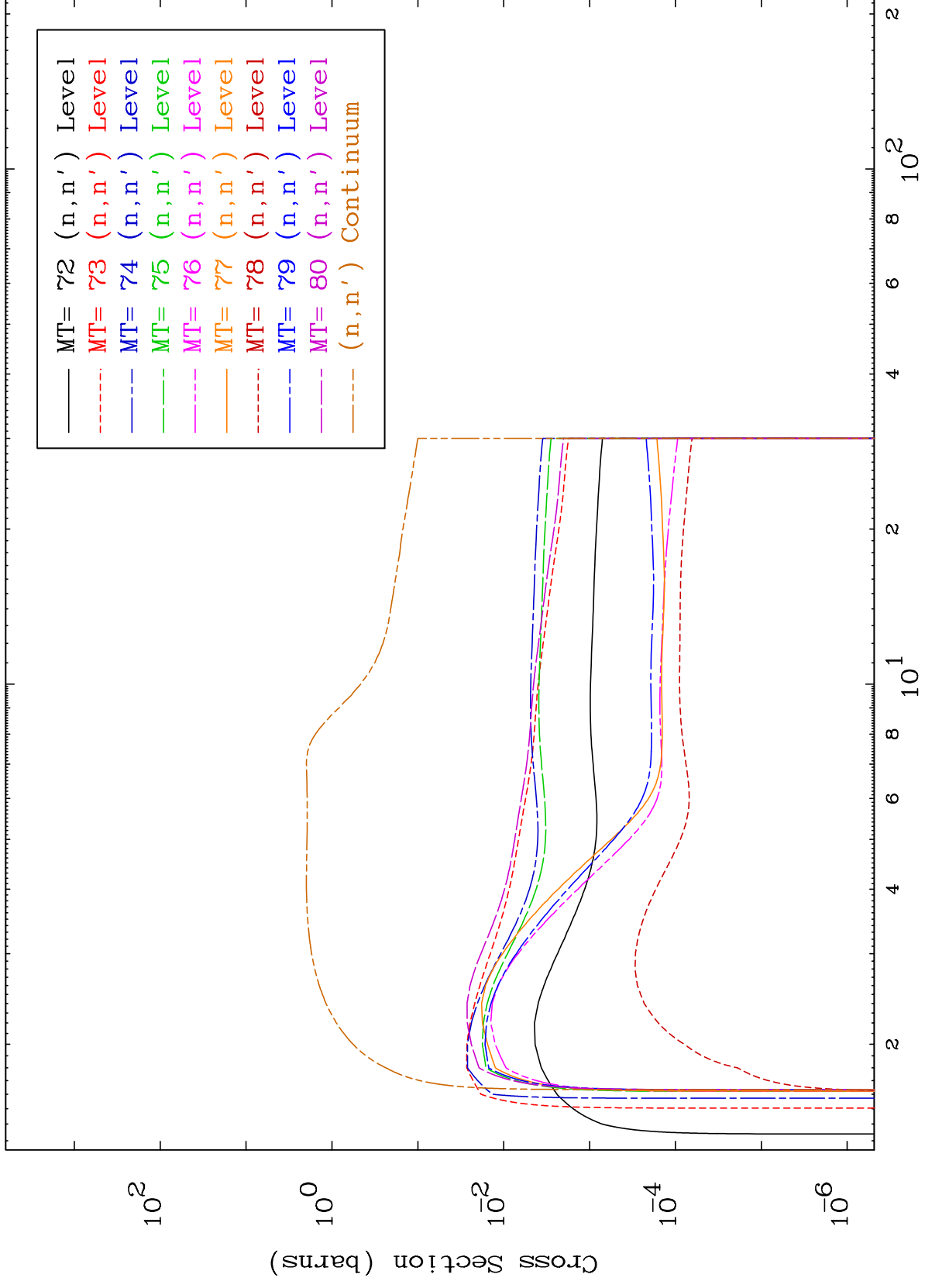
293 Kelvin Cross Sections



293 Kelvin Cross Sections



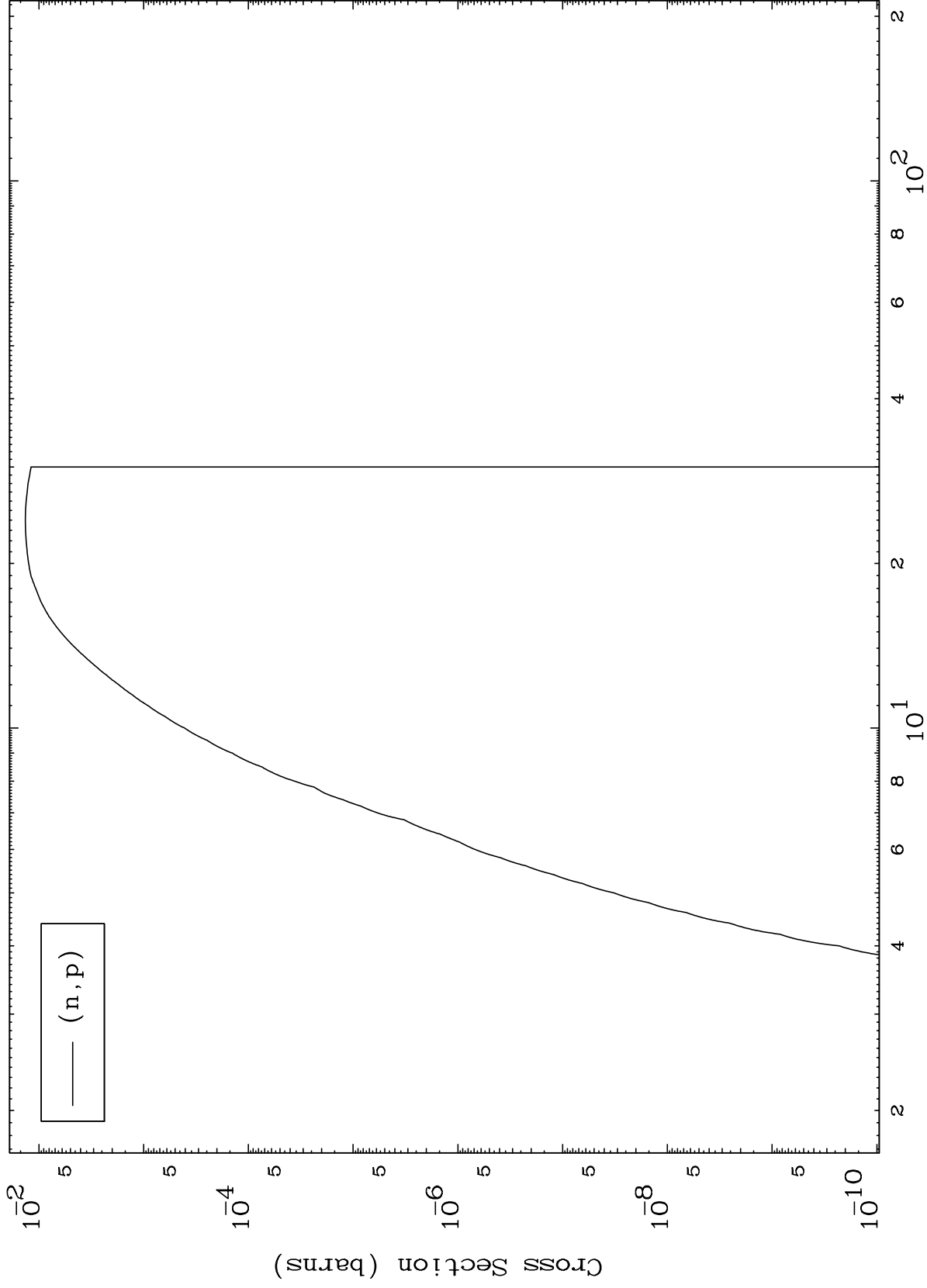
293 Kelvin Cross Sections



MAT 5937

(n,p) Levels
293 Kelvin Cross Sections

59-Pr-145



10

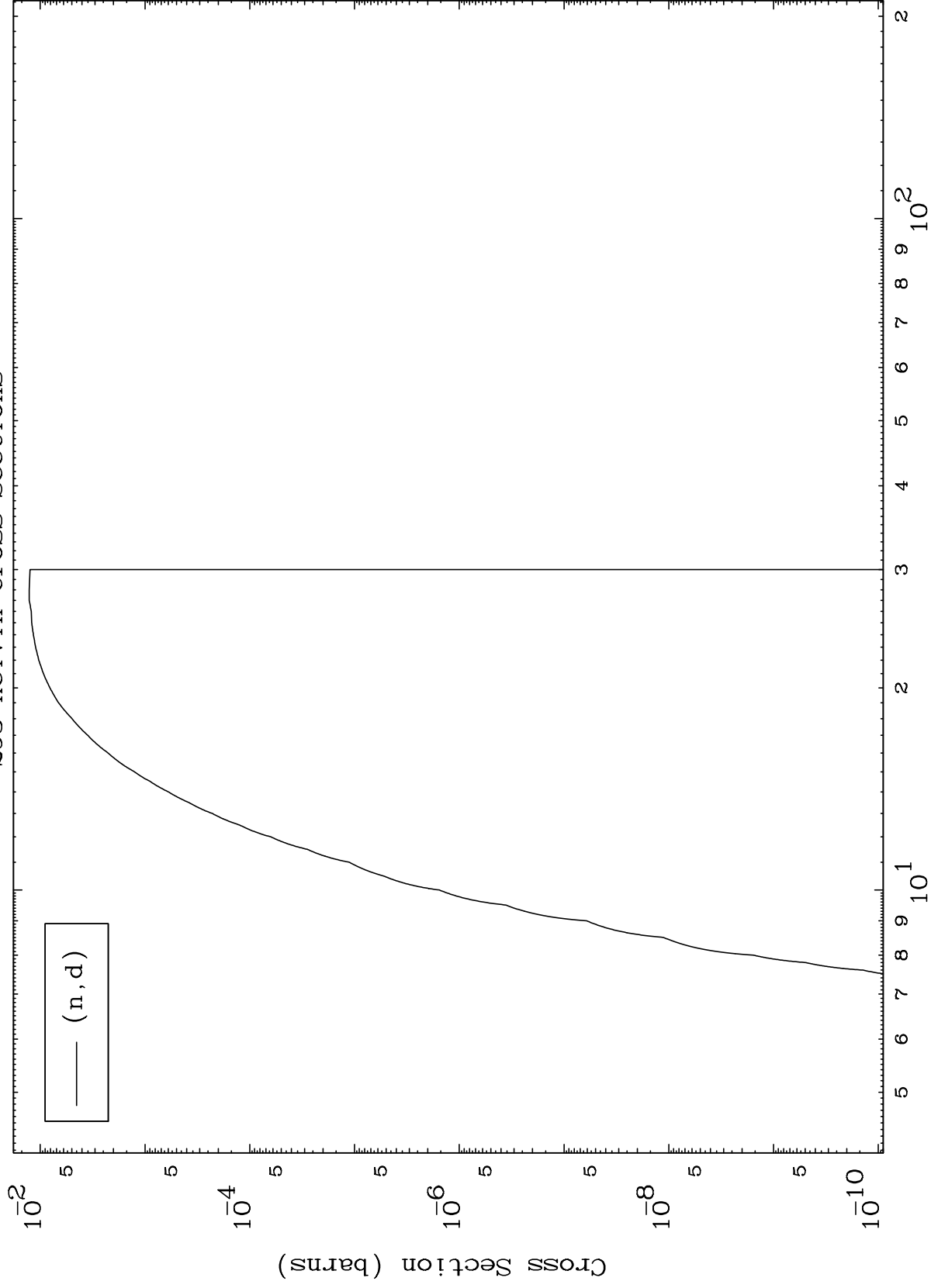
Incident Energy (MeV)

59-Pr-145

MAT 5937

(n,d) Levels
293 Kelvin Cross Sections

59-Pr-145



11

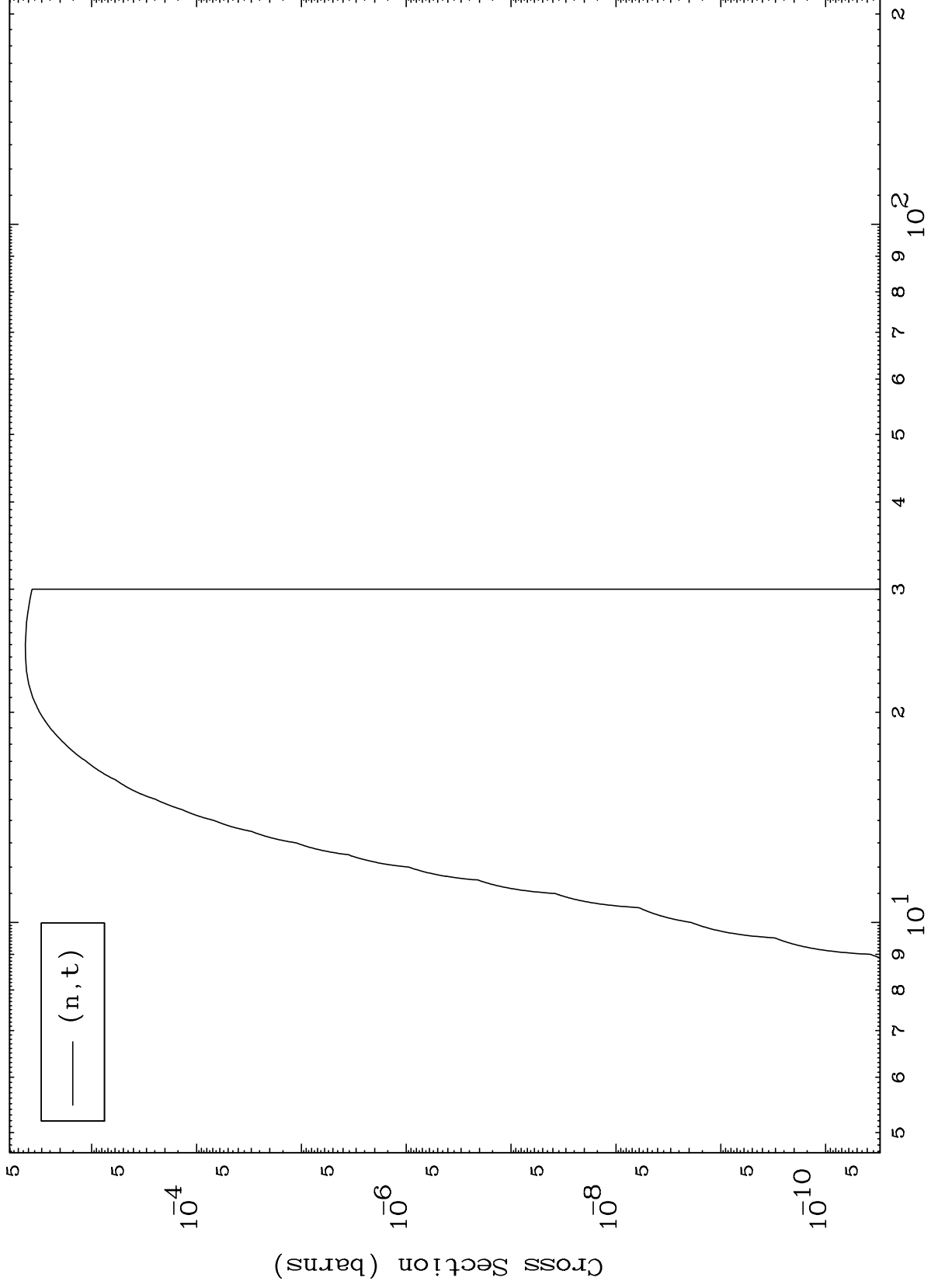
Incident Energy (MeV)

59-Pr-145

MAT 5937

(n,t) Levels
293 Kelvin Cross Sections

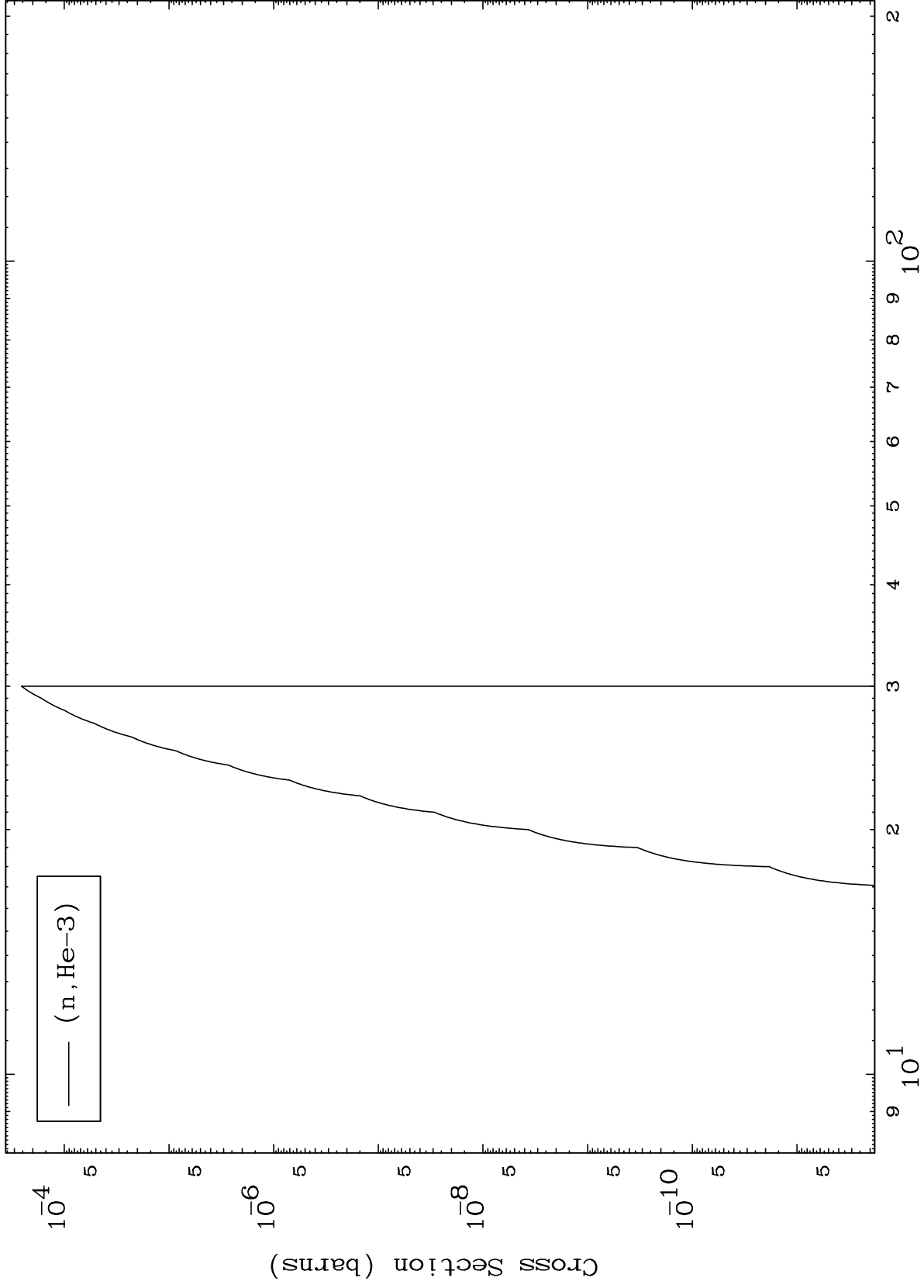
59-Pr-145



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Incident Energy (MeV)

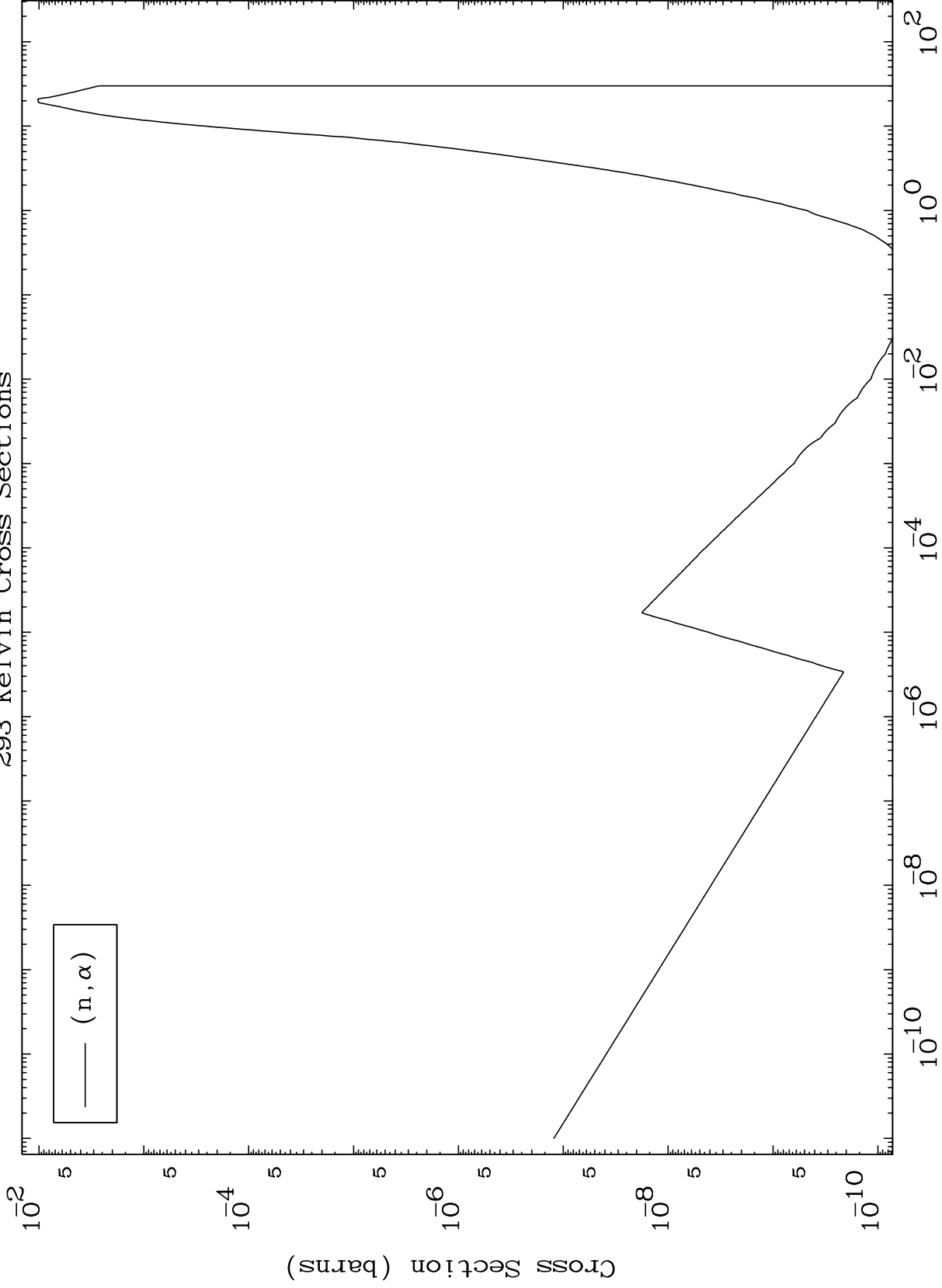
59-Pr-145

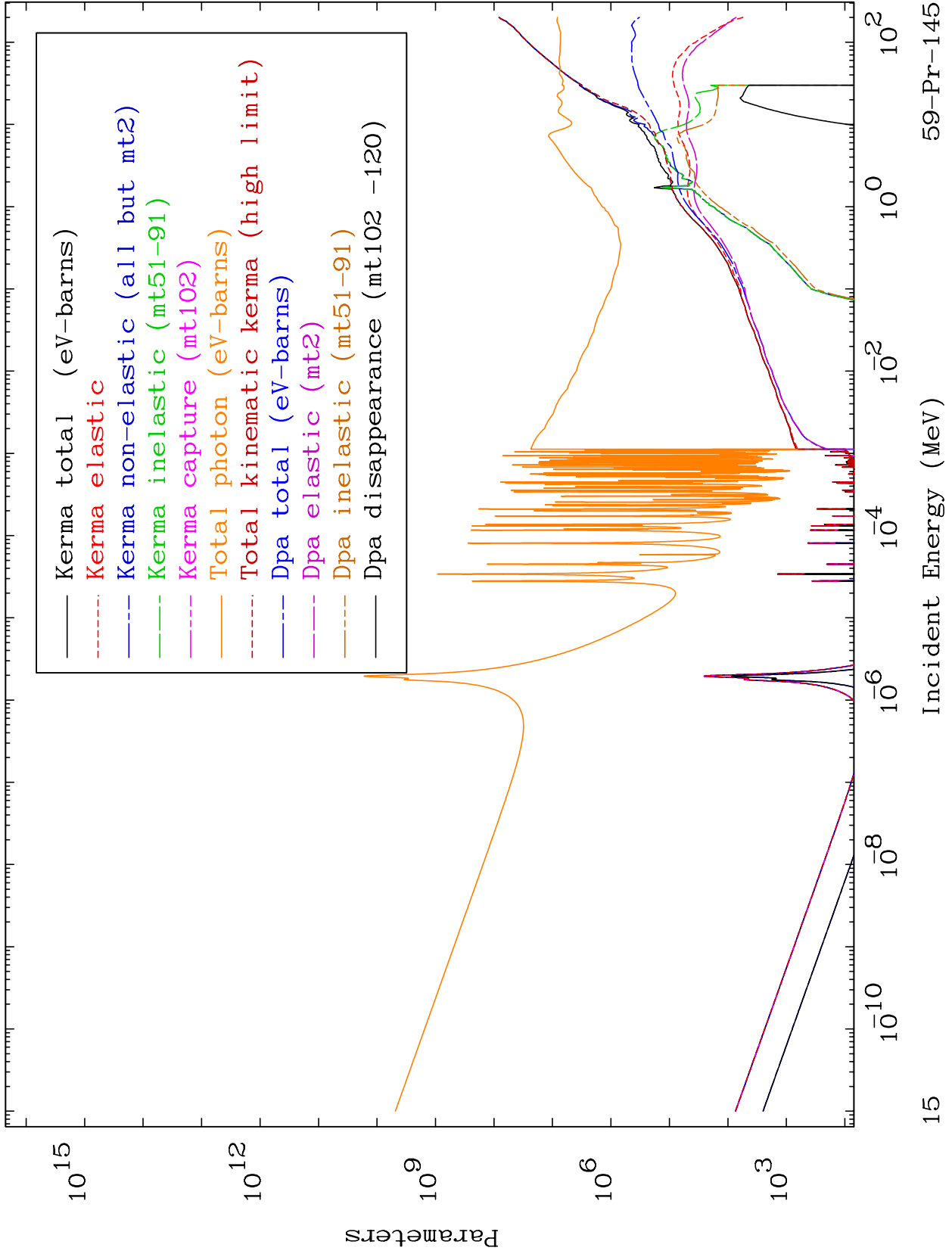


MAT 5937

(n, α) Levels
293 Kelvin Cross Sections

59-Pr-145

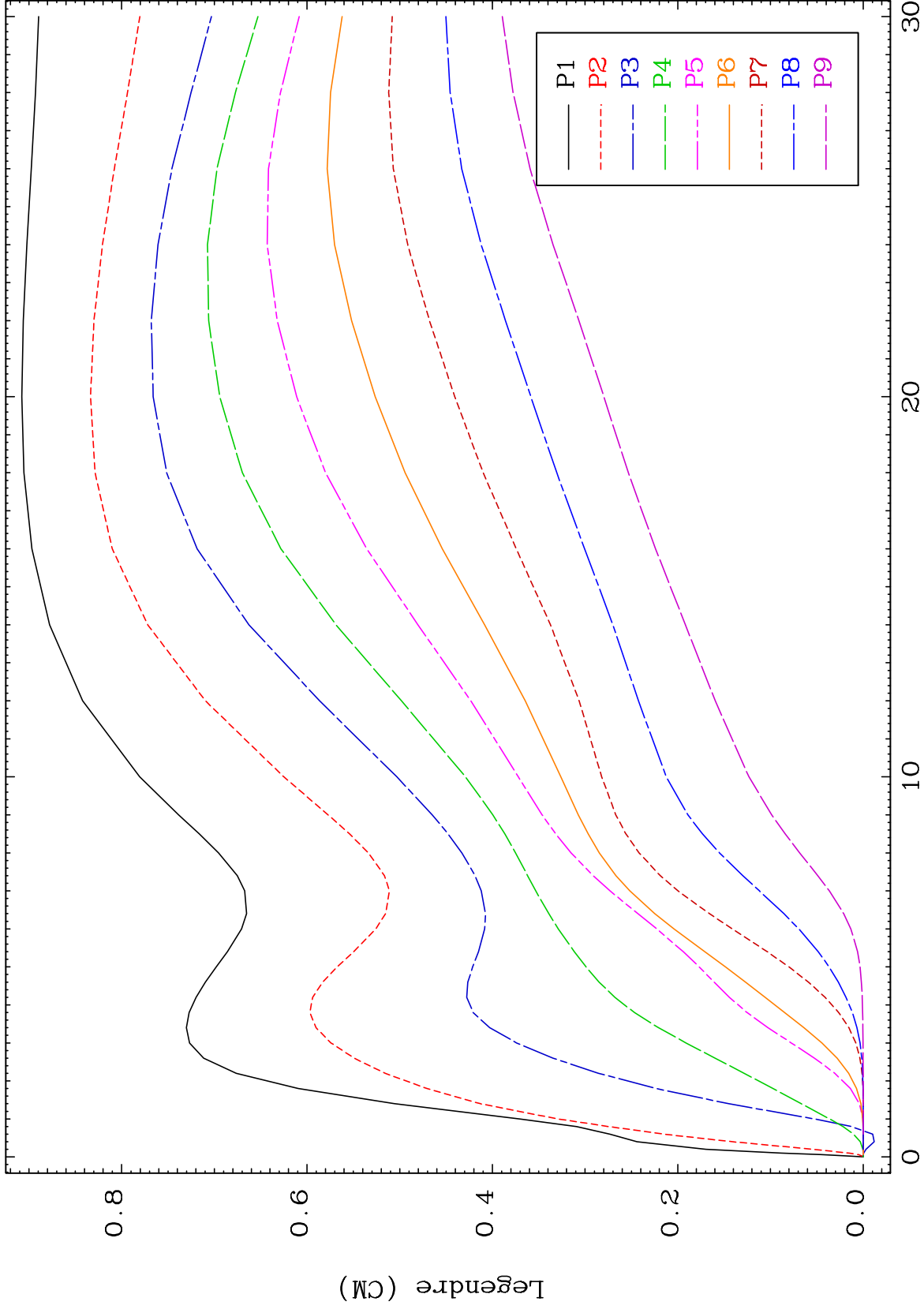




MAT 5937

Elastic Legendre Coefficients

59-Pr-145



16

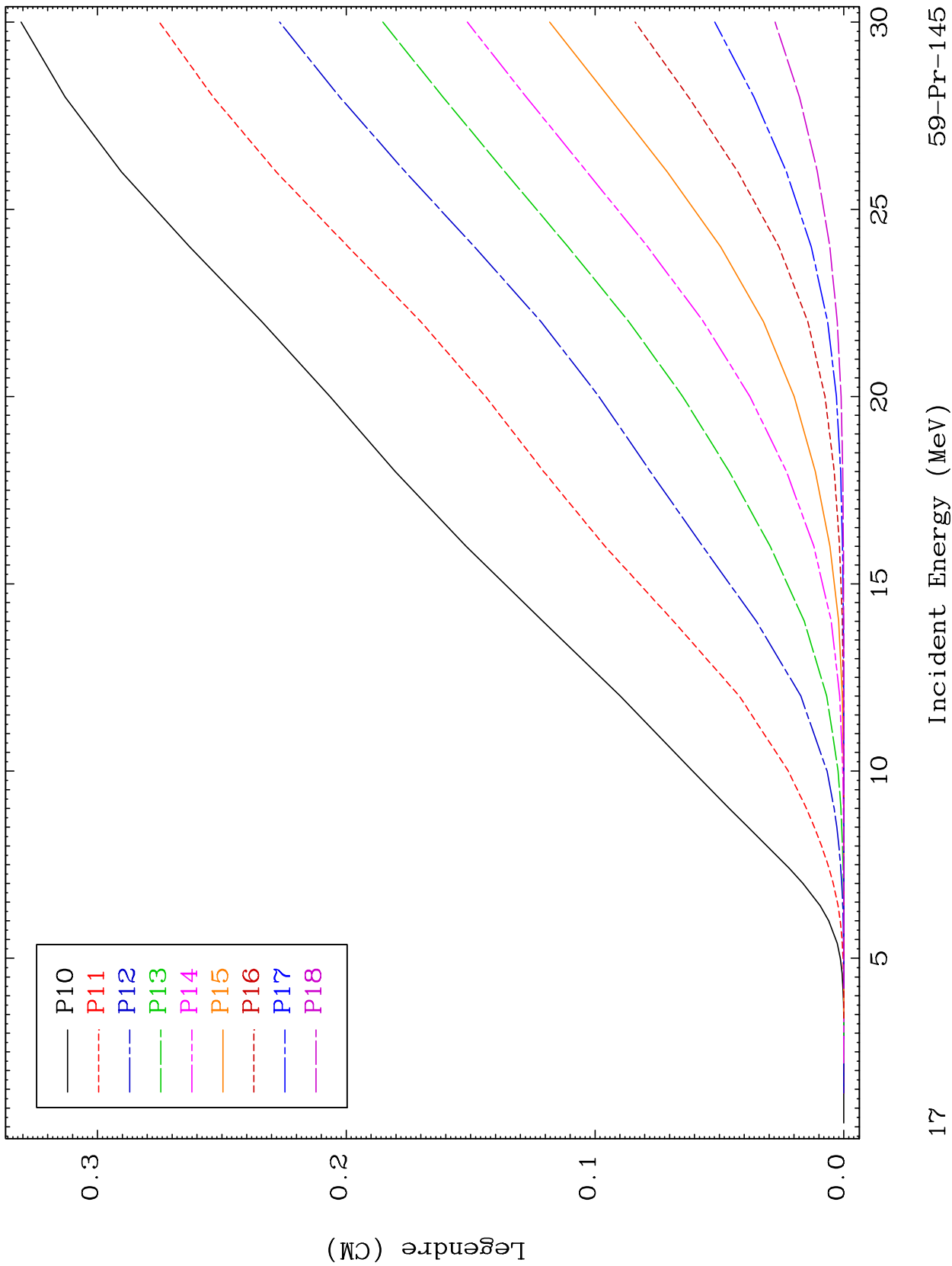
Incident Energy (MeV)

59-Pr-145

MAT 5937

Elastic Legendre Coefficients

59-Pr-145



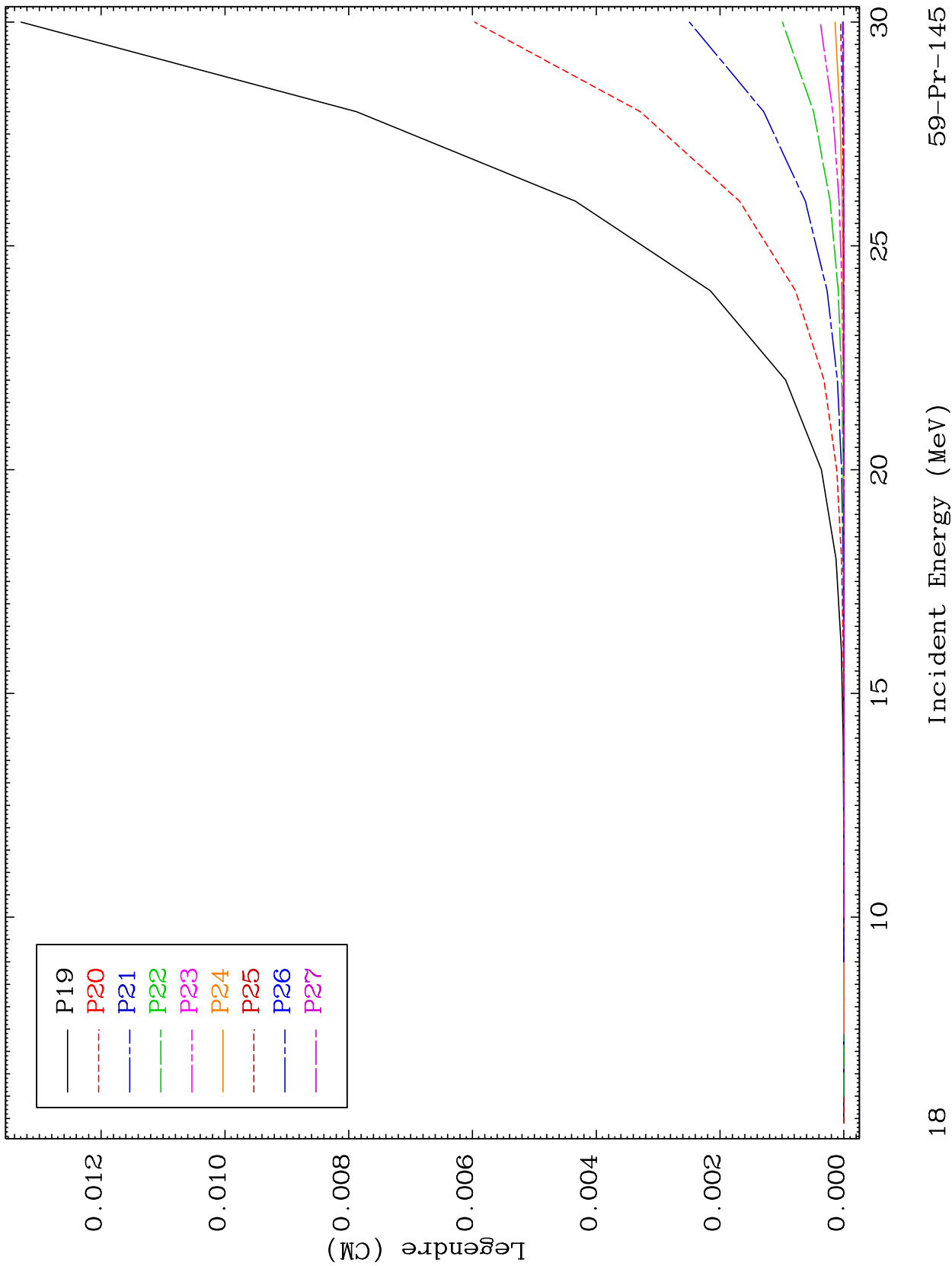
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59-Pr-145

MAT 5937

Elastic Legendre Coefficients

59-Pr-145



18

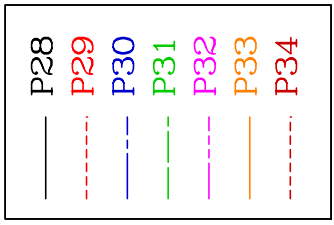
Incident Energy (MeV)

59-Pr-145

MAT 5937

Elastic Legendre Coefficients

59-Pr-145



$\times 10^{-6}$

1.5

Legendre (CM)

1.0

0.5

0.0

15

20

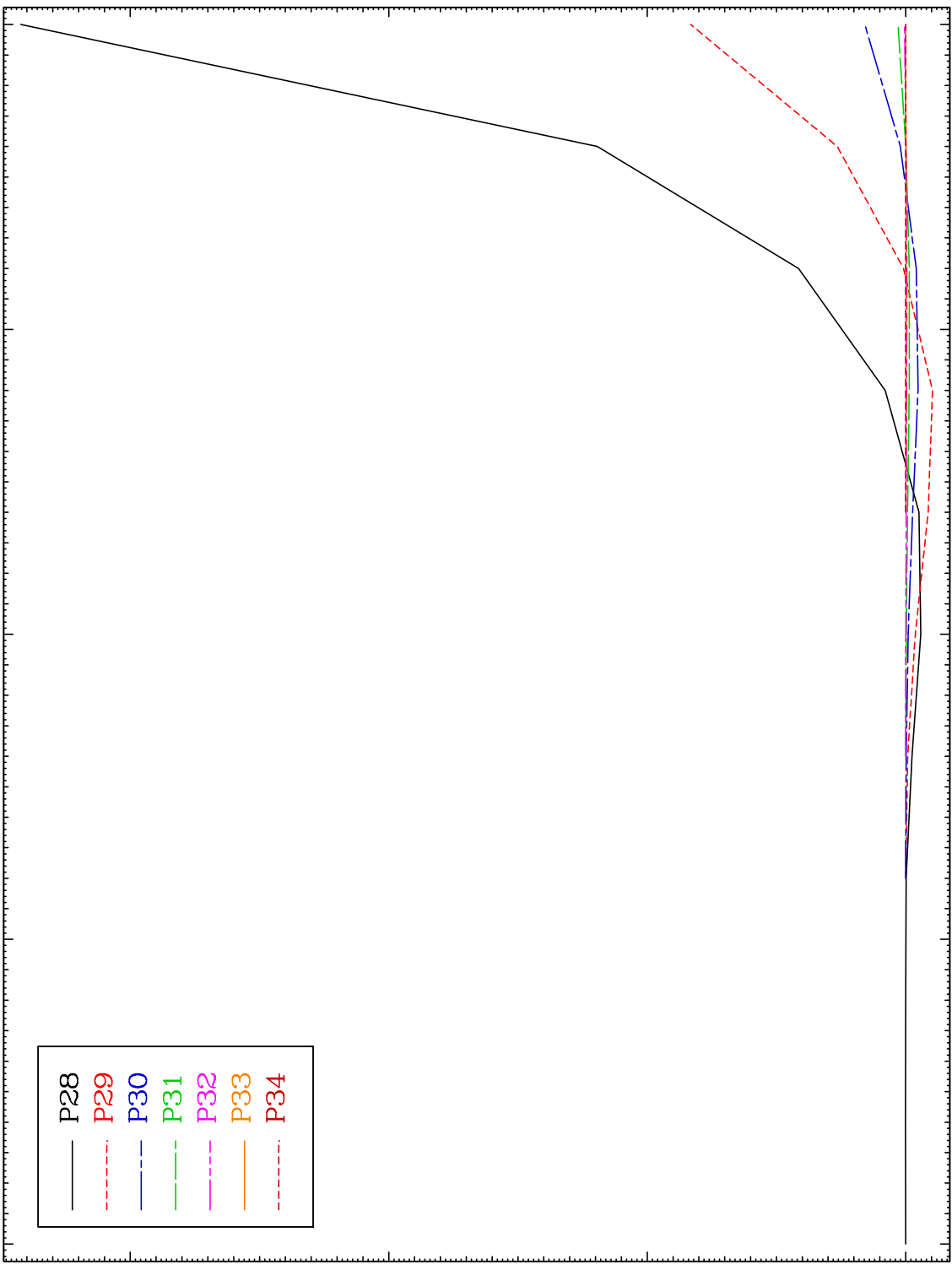
25

30

19

Incident Energy (MeV)

59-Pr-145

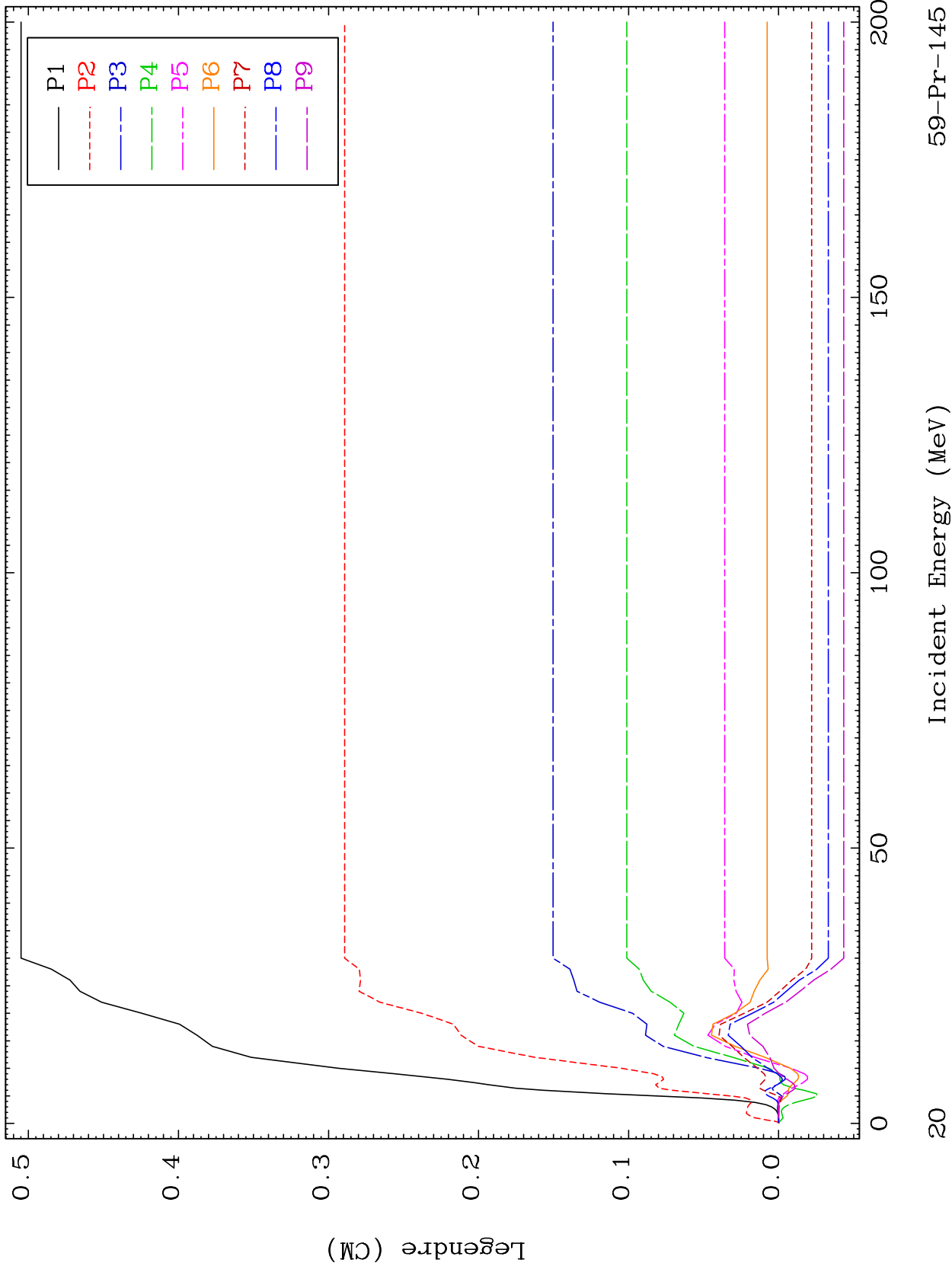


MAT 5937

MT= 51 (n,n') Level

59-Pr-145

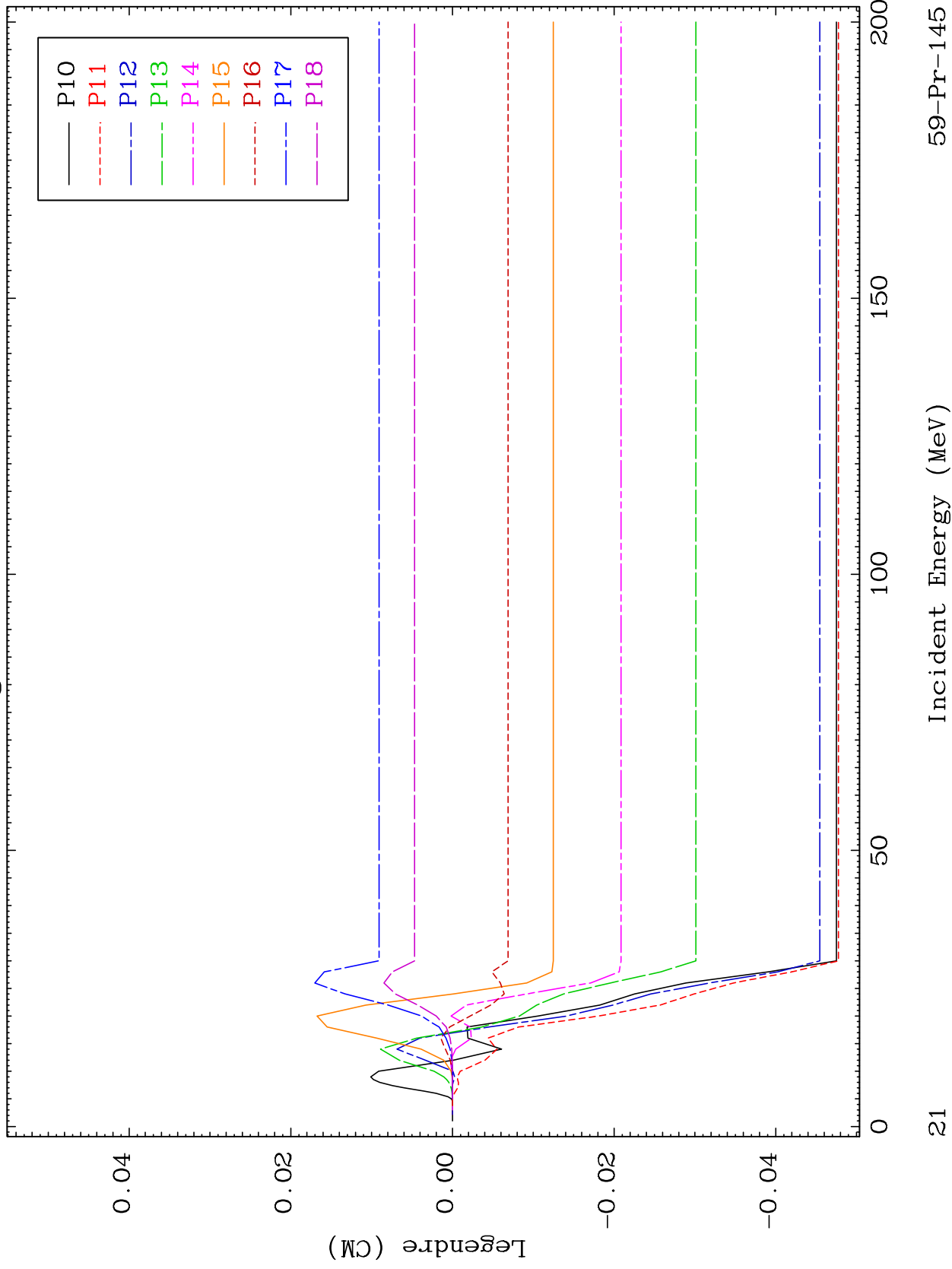
Legendre Coefficients



MAT 5937

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

59-Pr-145



21

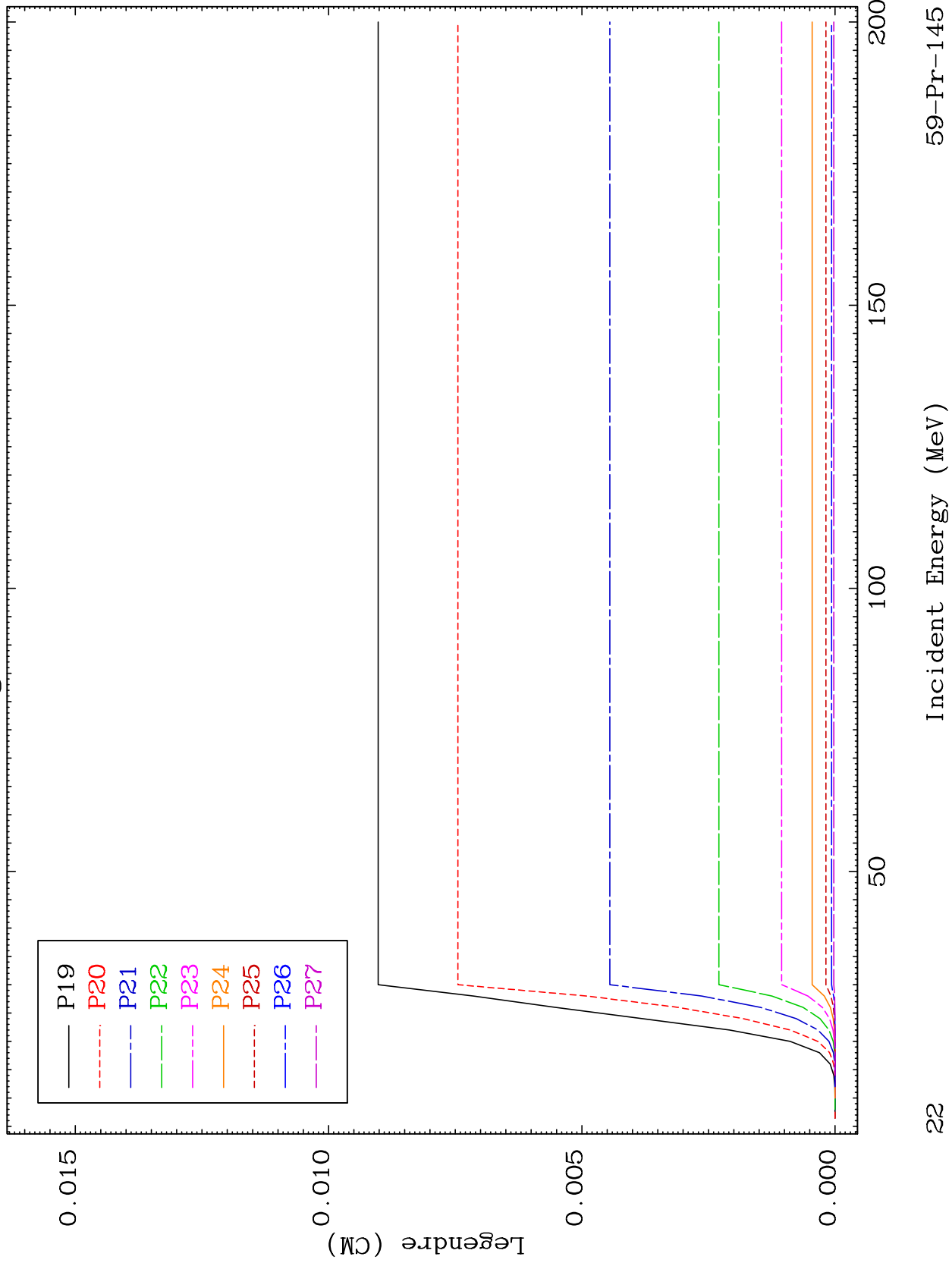
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

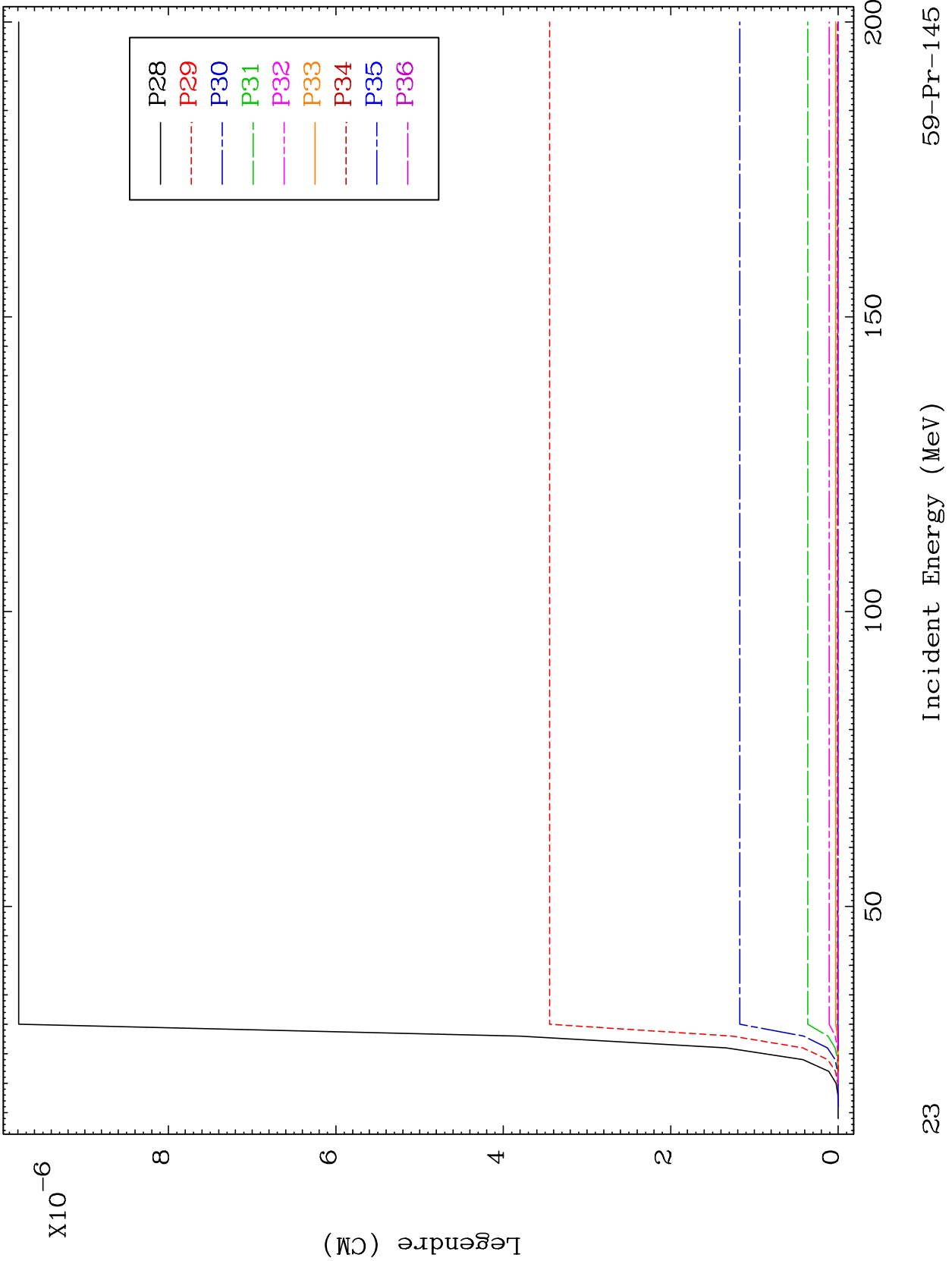
59-Pr-145



MAT 5937

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

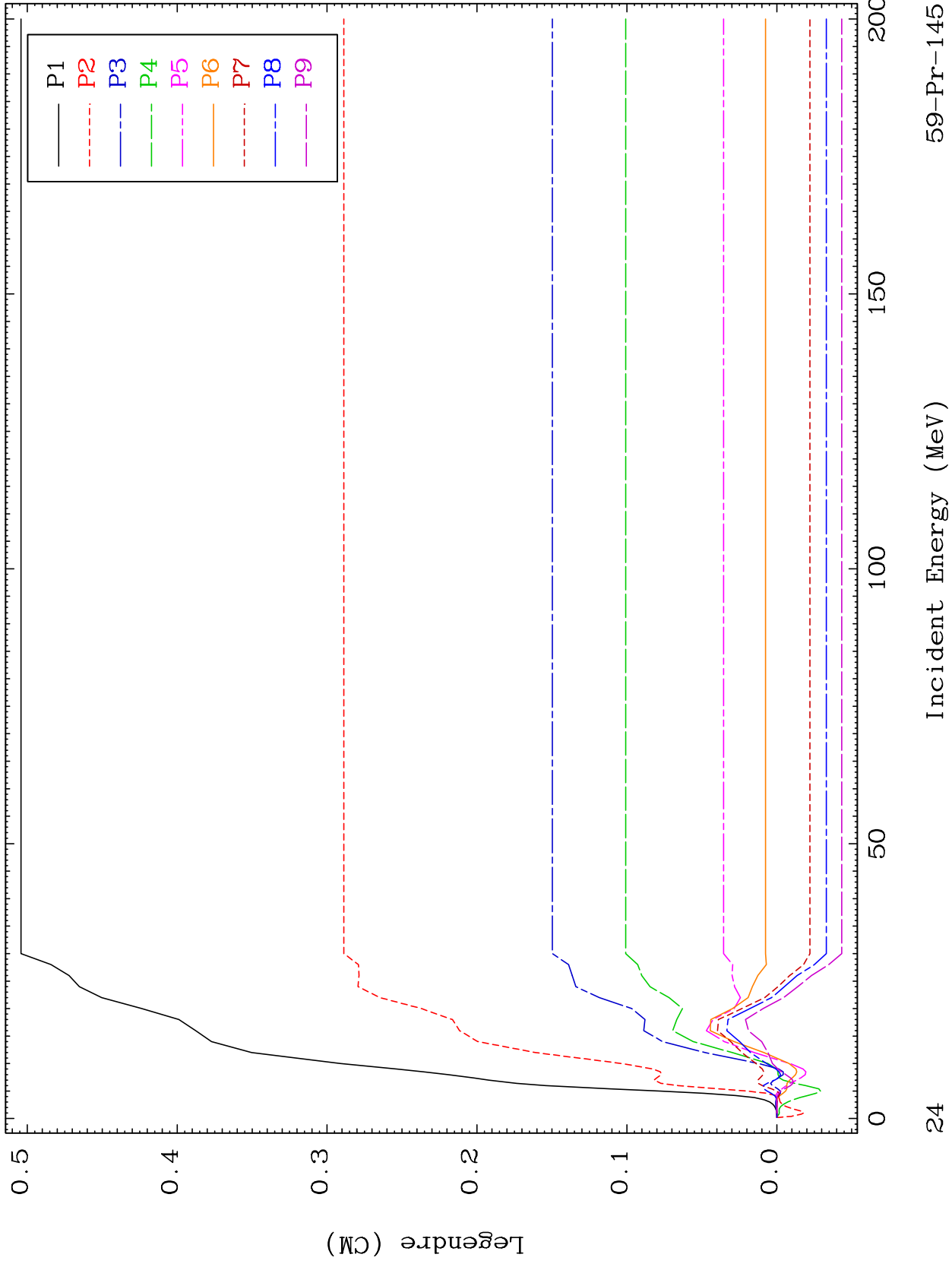
59-Pr-145

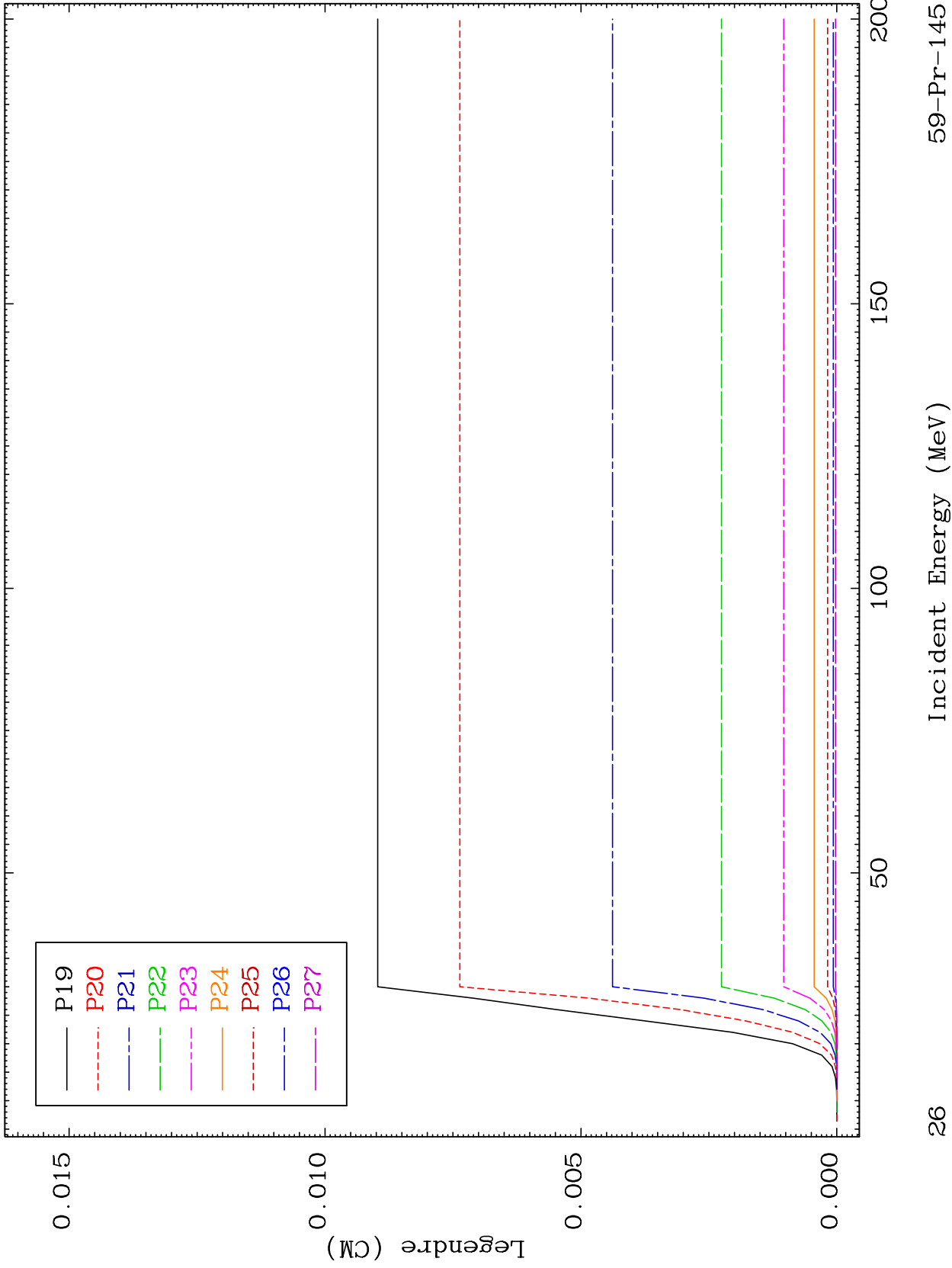


MAT 5937

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

59-Pr-145

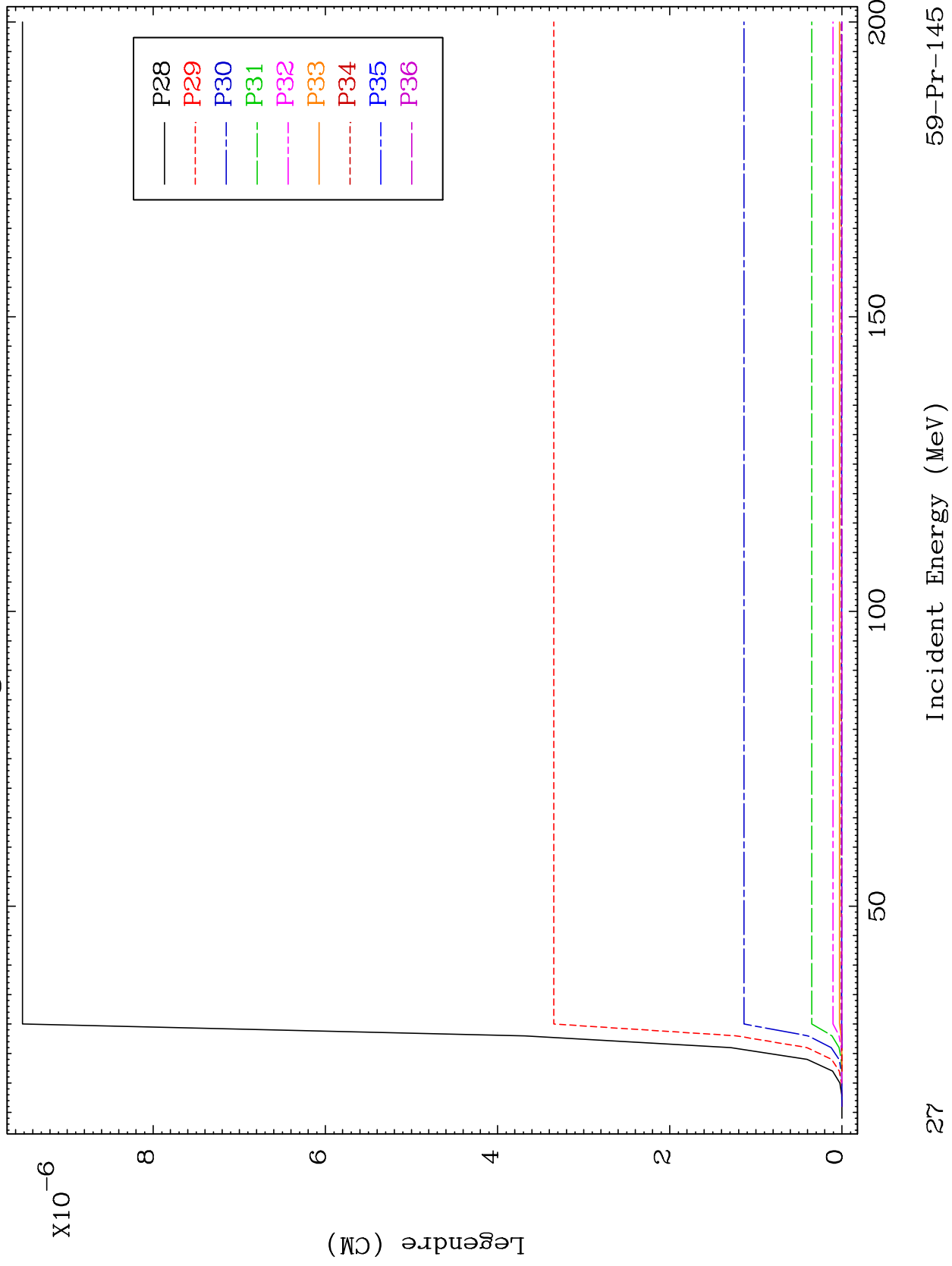




MAT 5937

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

59-Pr-145



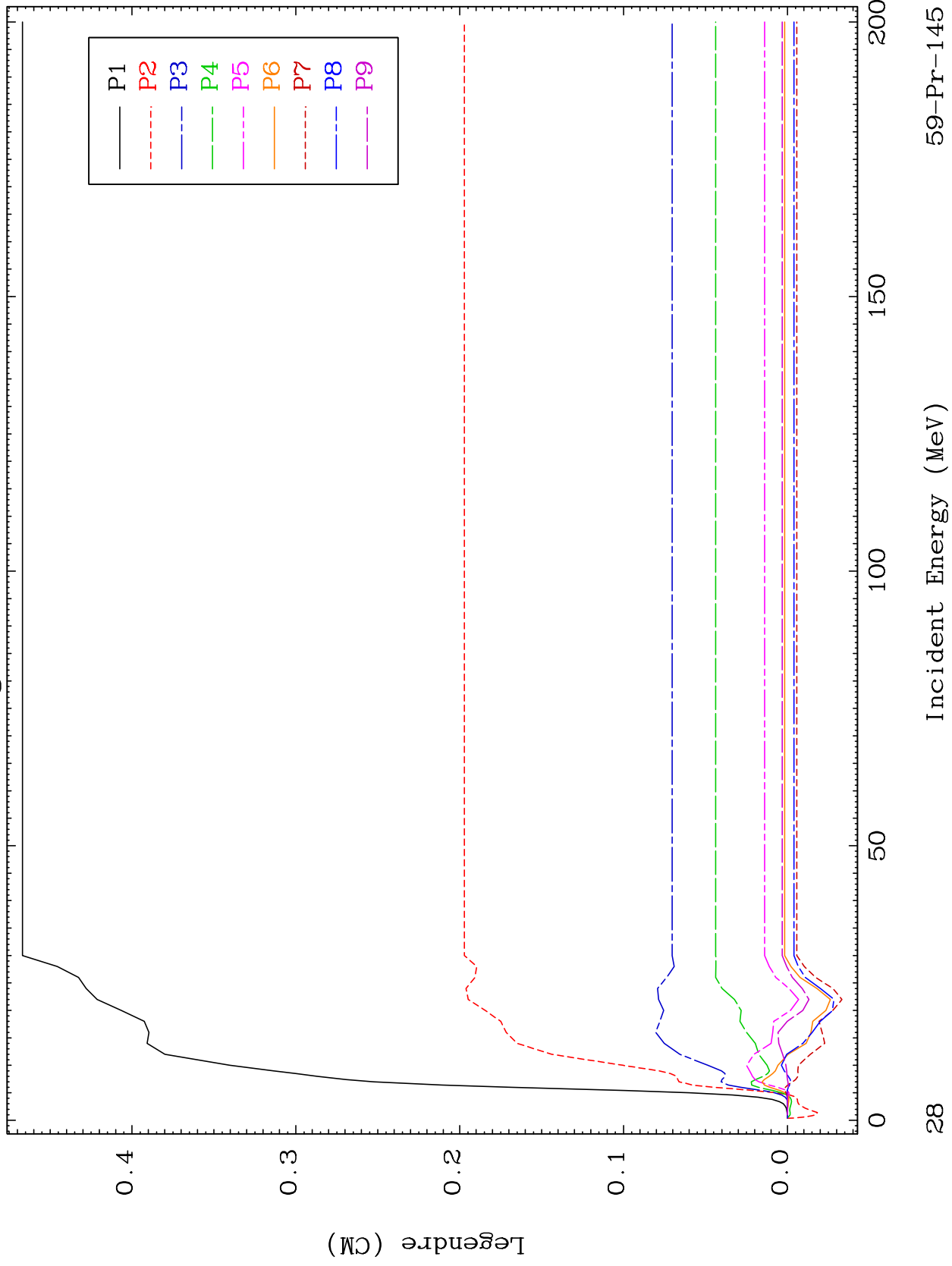
27

59-Pr-145

MAT 5937

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

59-Pr-145



59-Pr-145

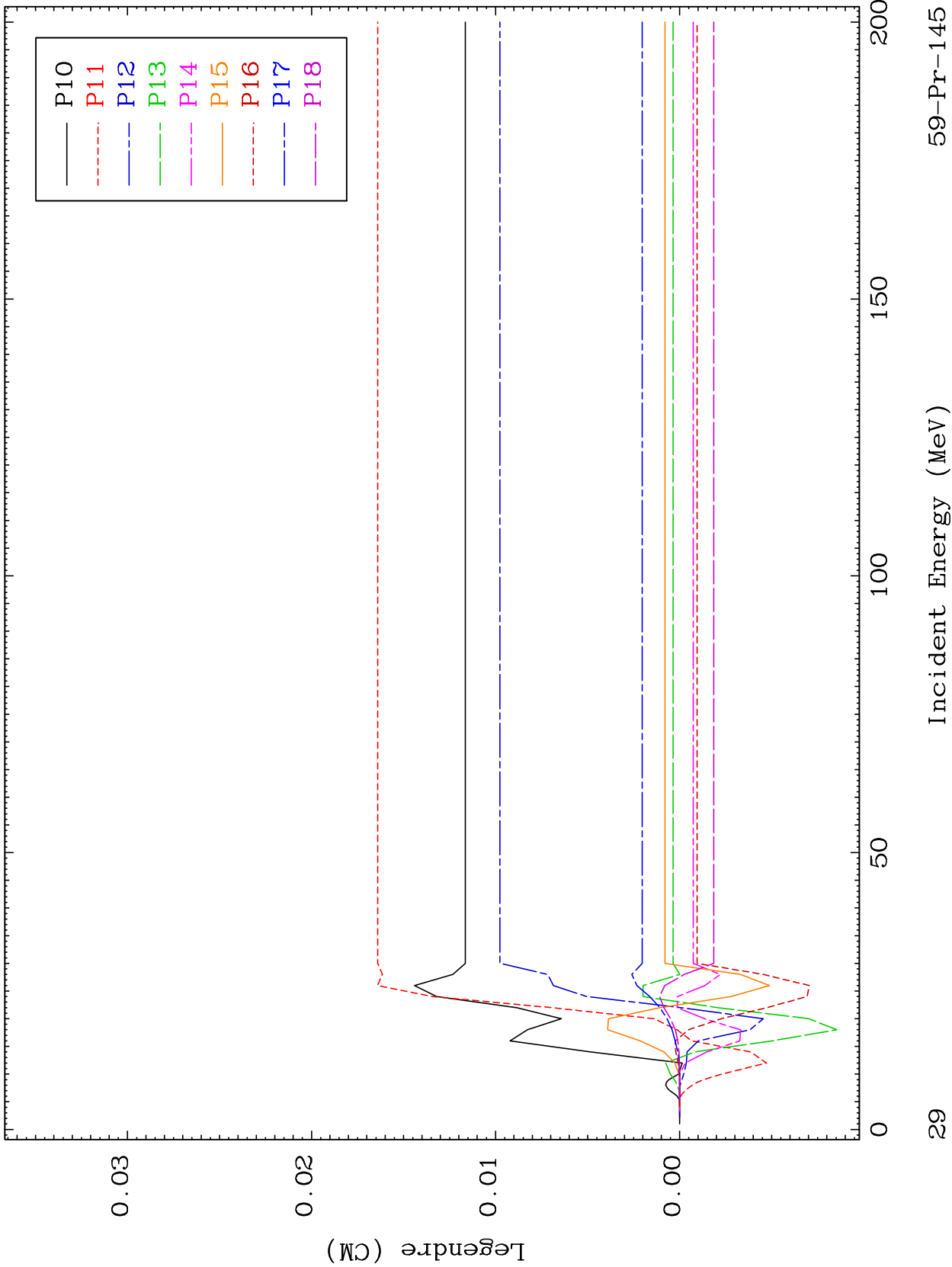
Incident Energy (MeV)

28

MAT 5937

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

59-Pr-145



29

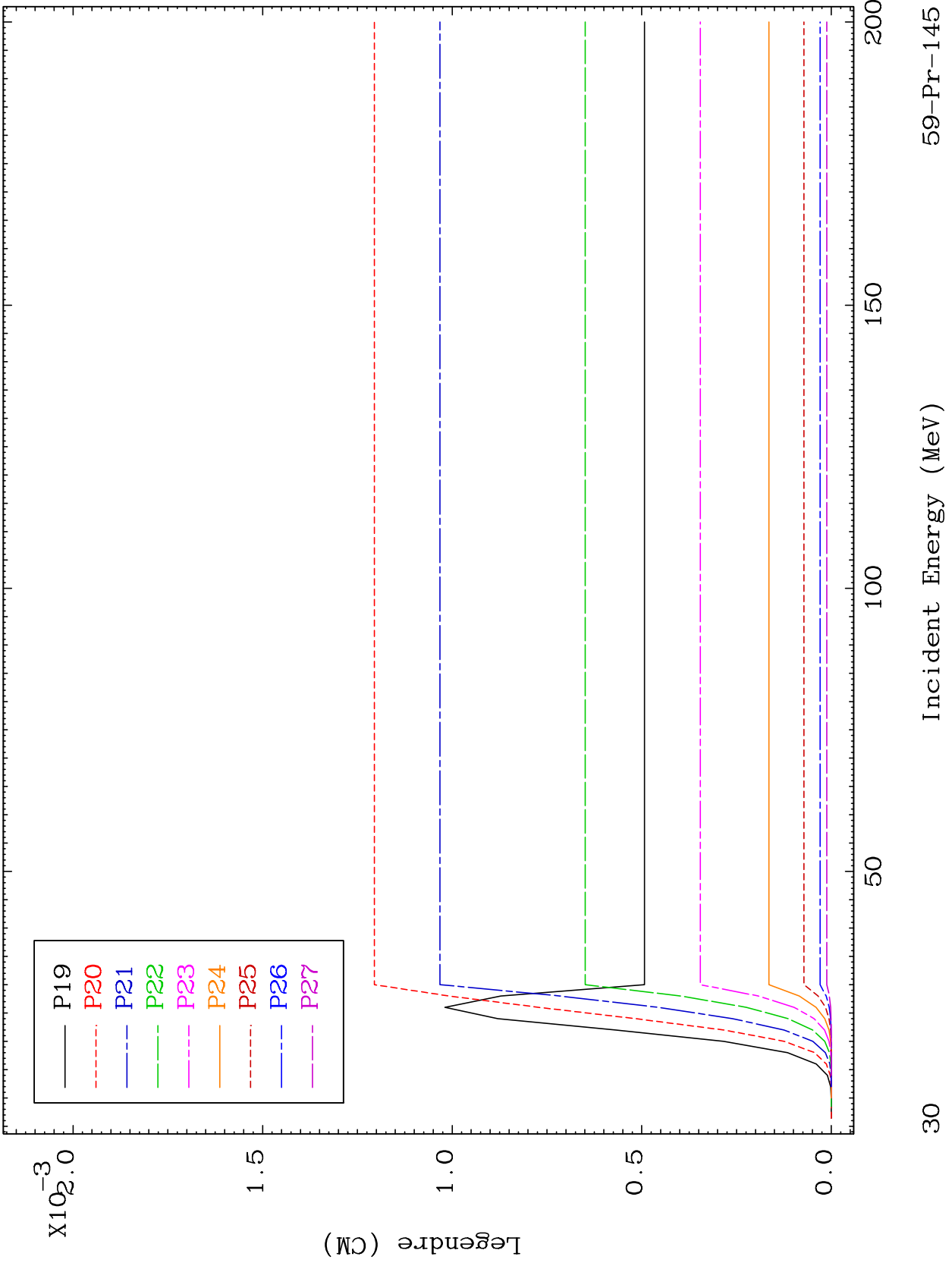
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



30

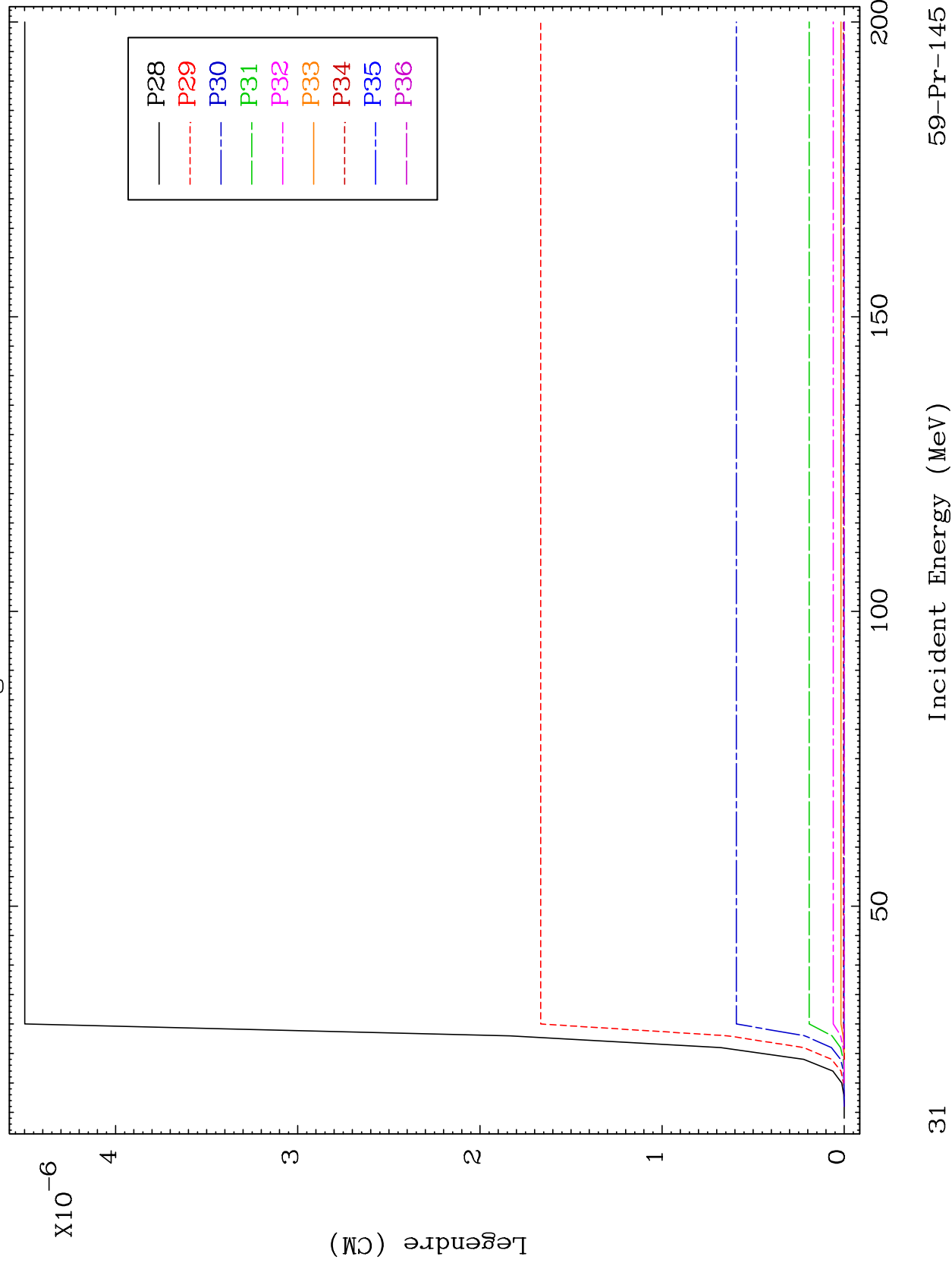
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



31

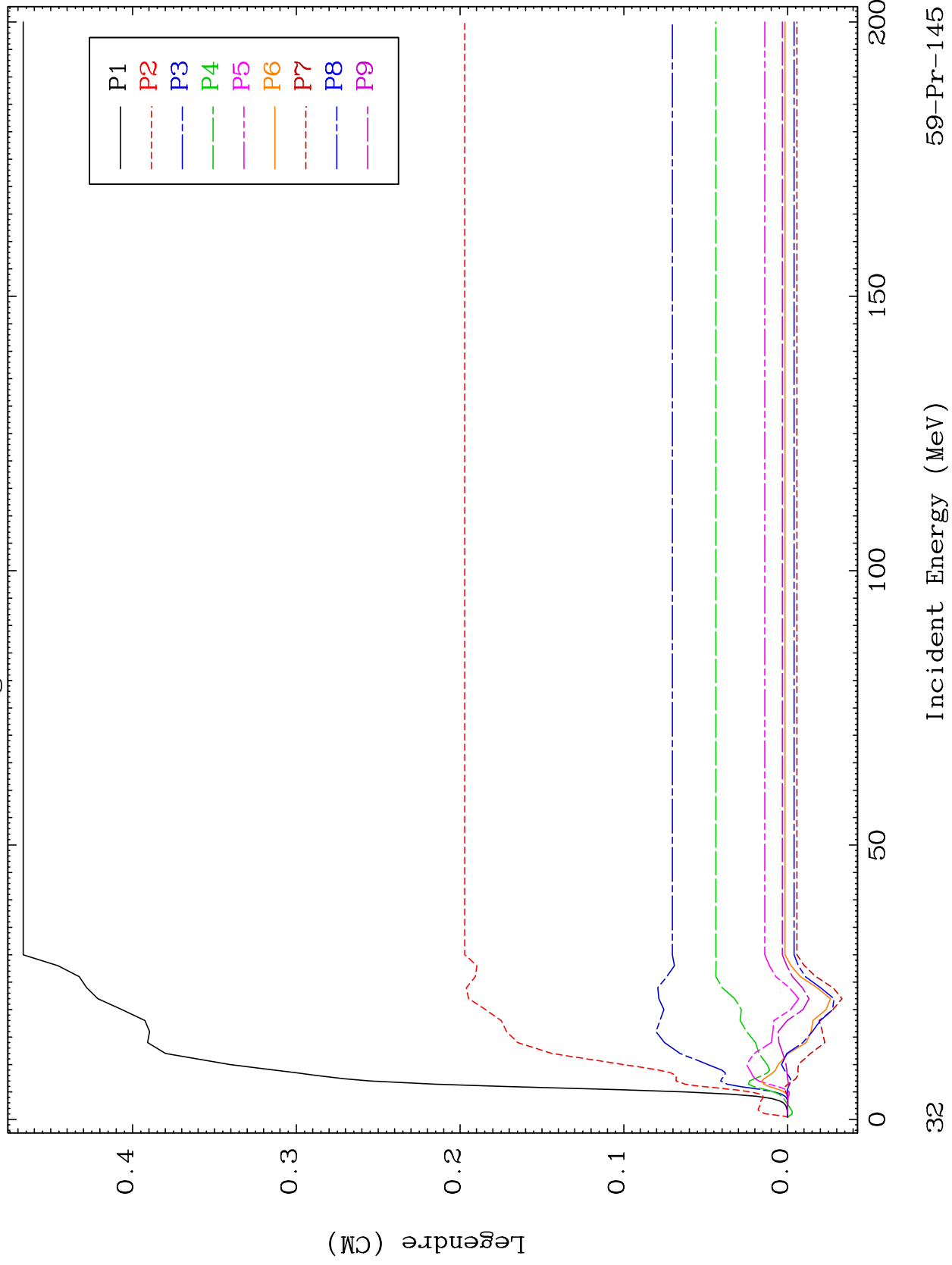
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



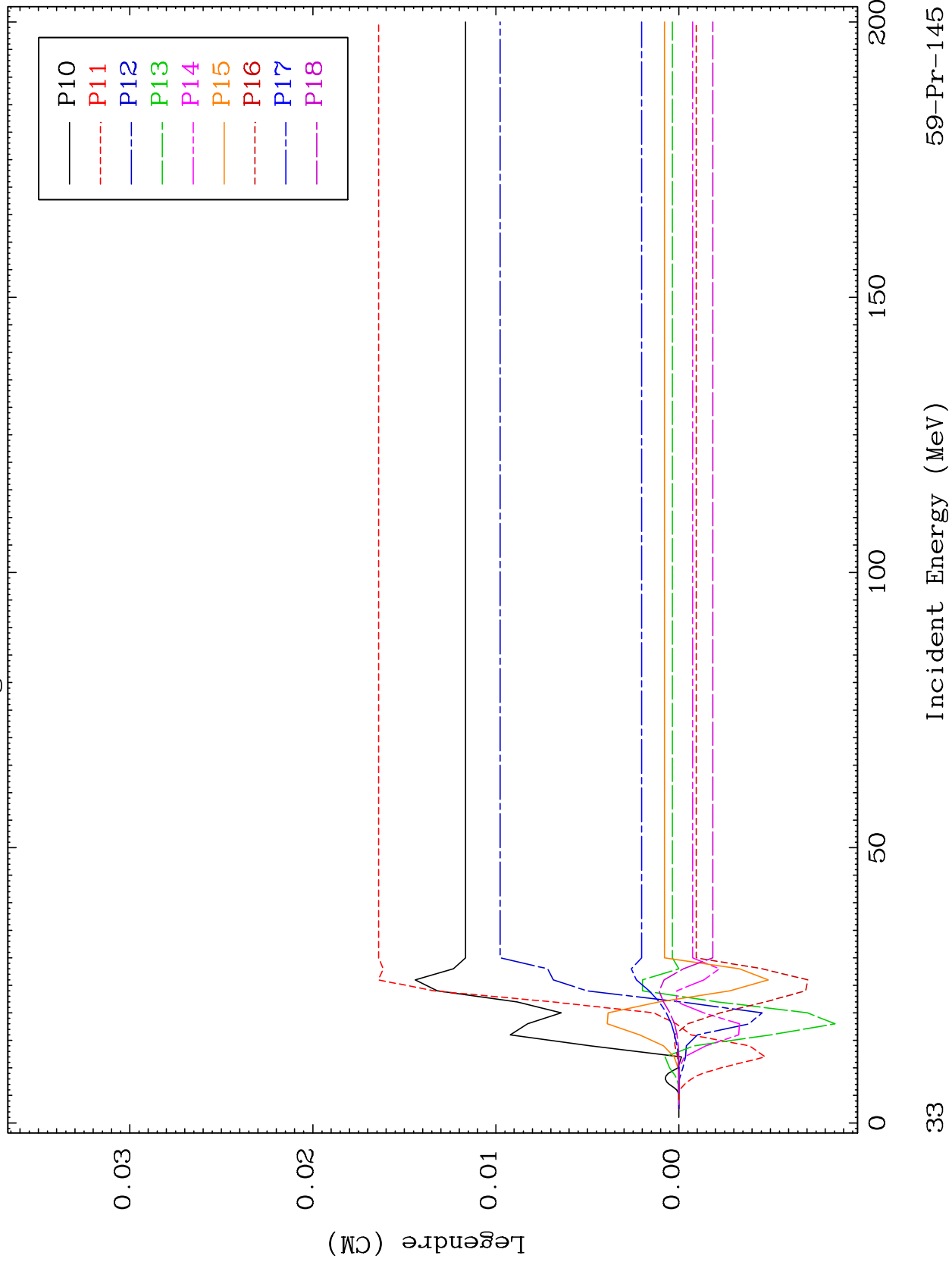
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59-Pr-145

MAT 5937

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

59-Pr-145



33

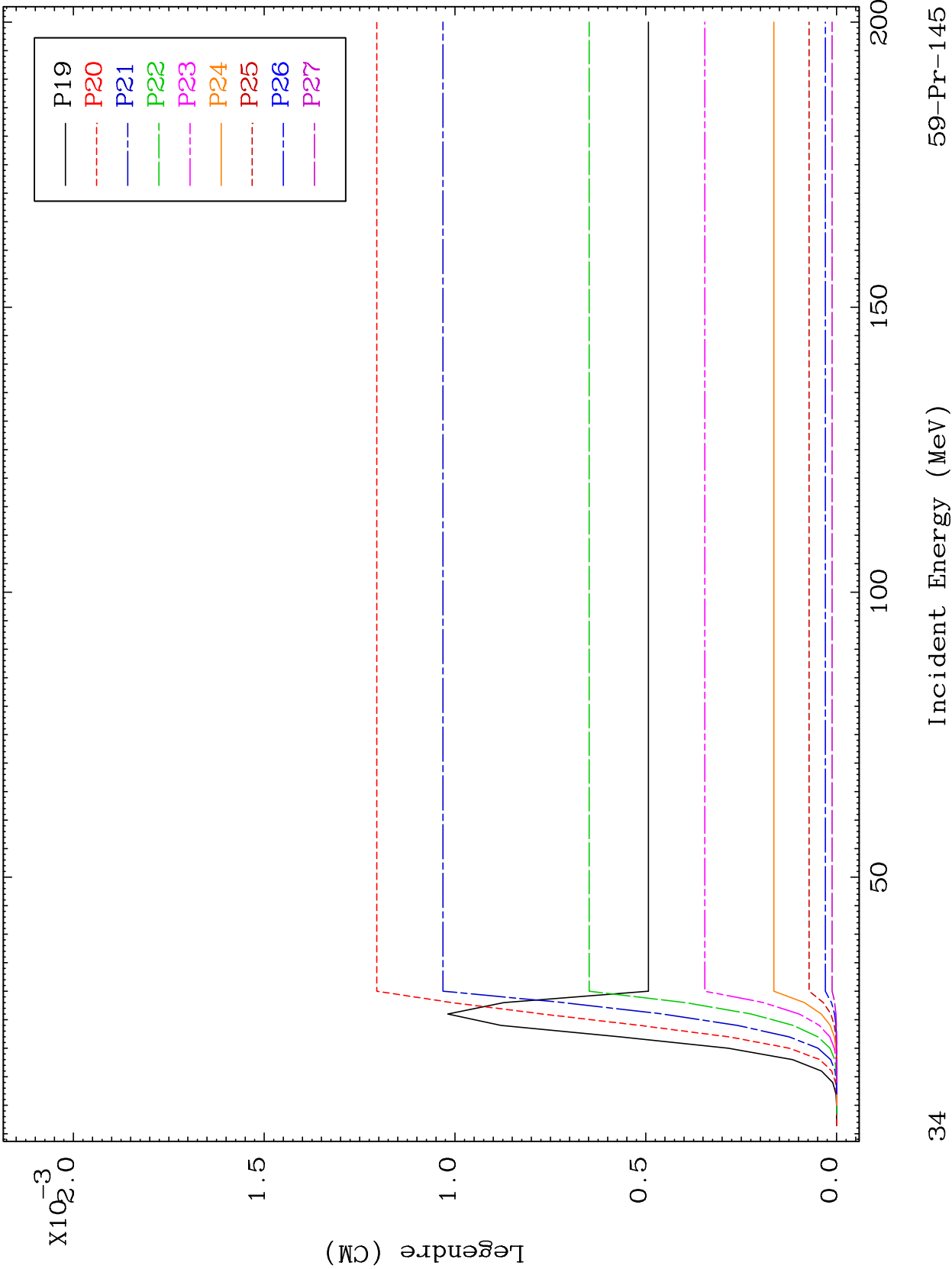
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



34

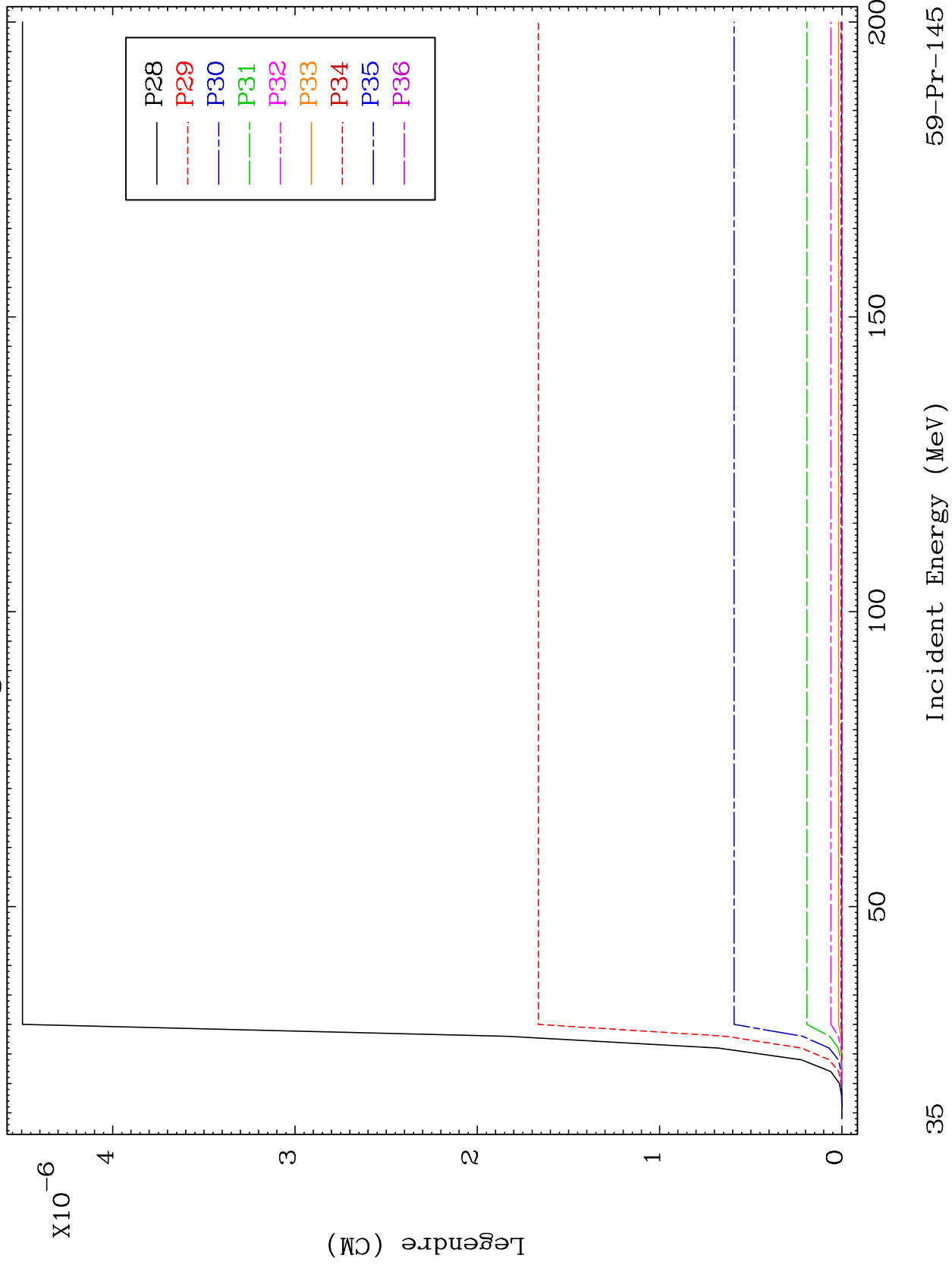
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



59-Pr-145

Incident Energy (MeV)

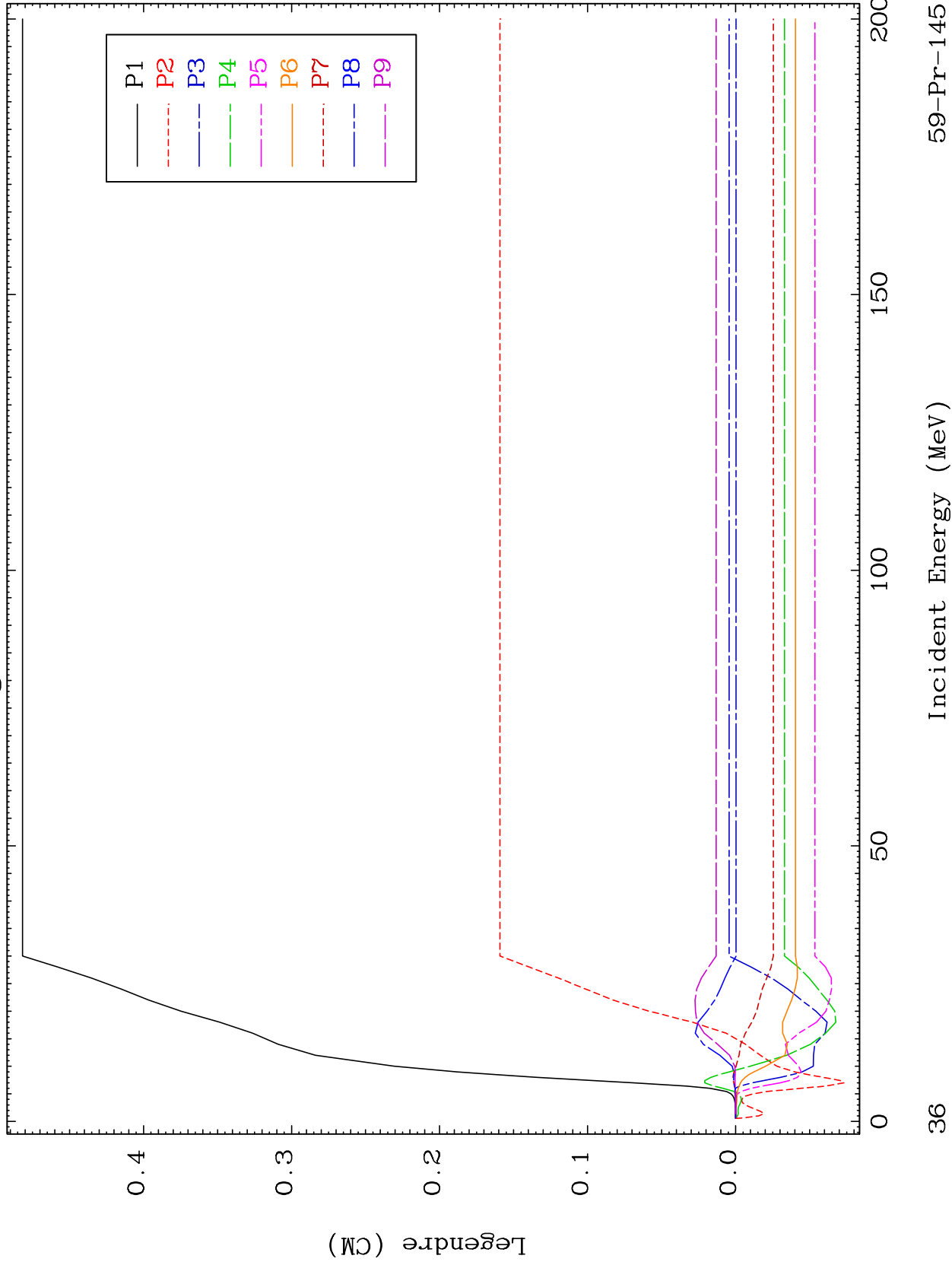
35

MAT 5937

MT= 55 (n,n') Level

59-Pr-145

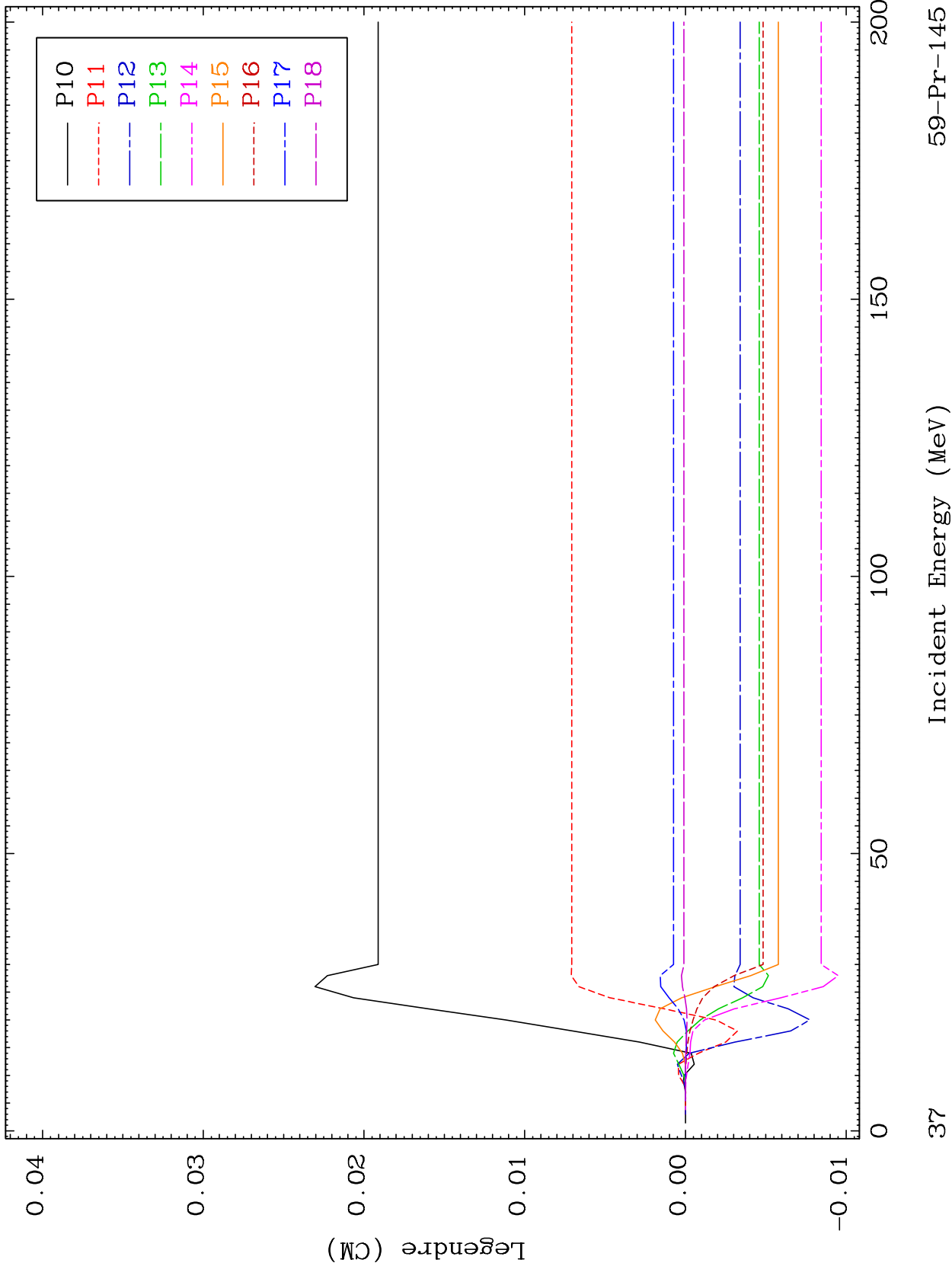
Legendre Coefficients



MAT 5937

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

59-Pr-145



37

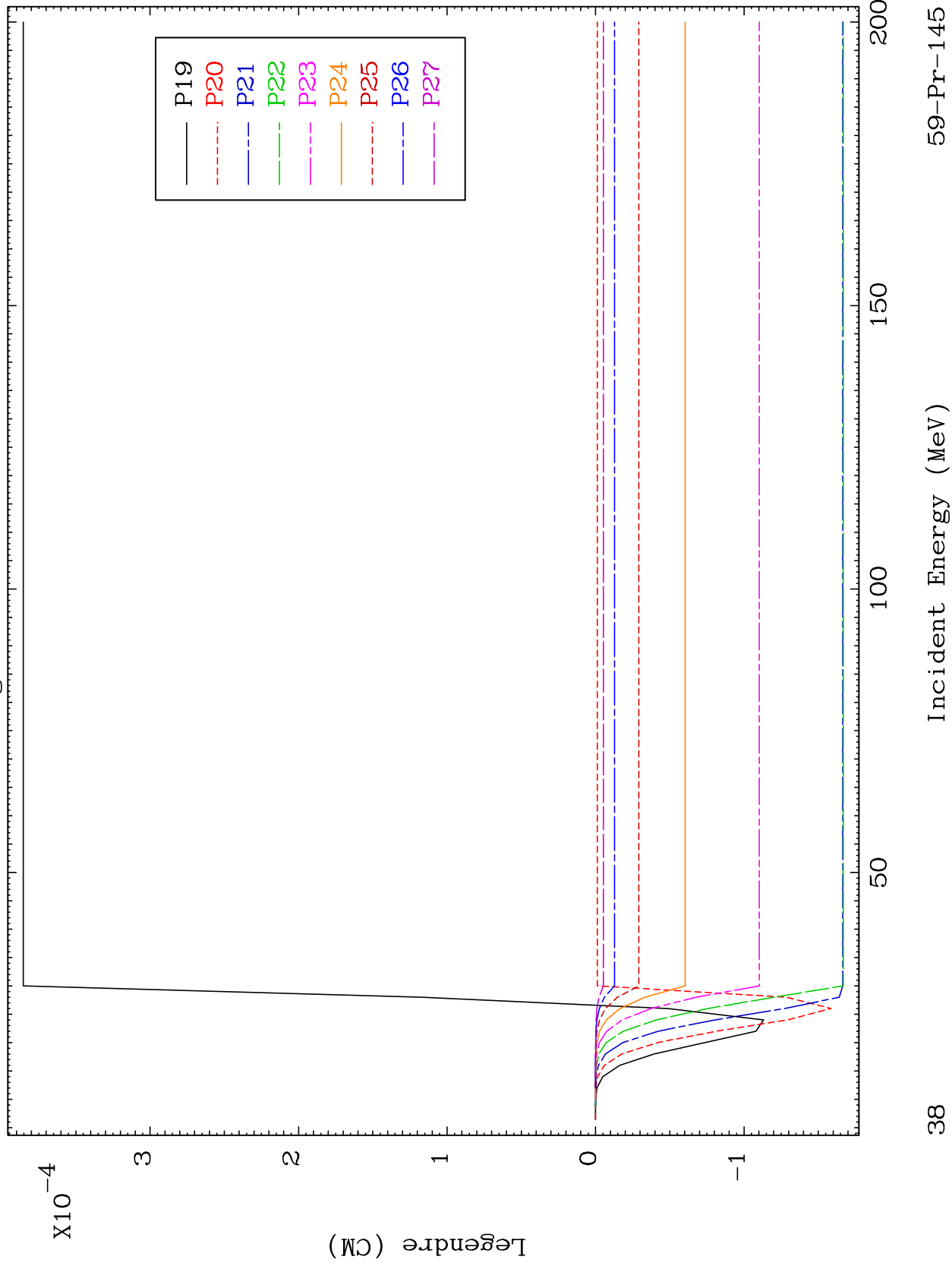
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

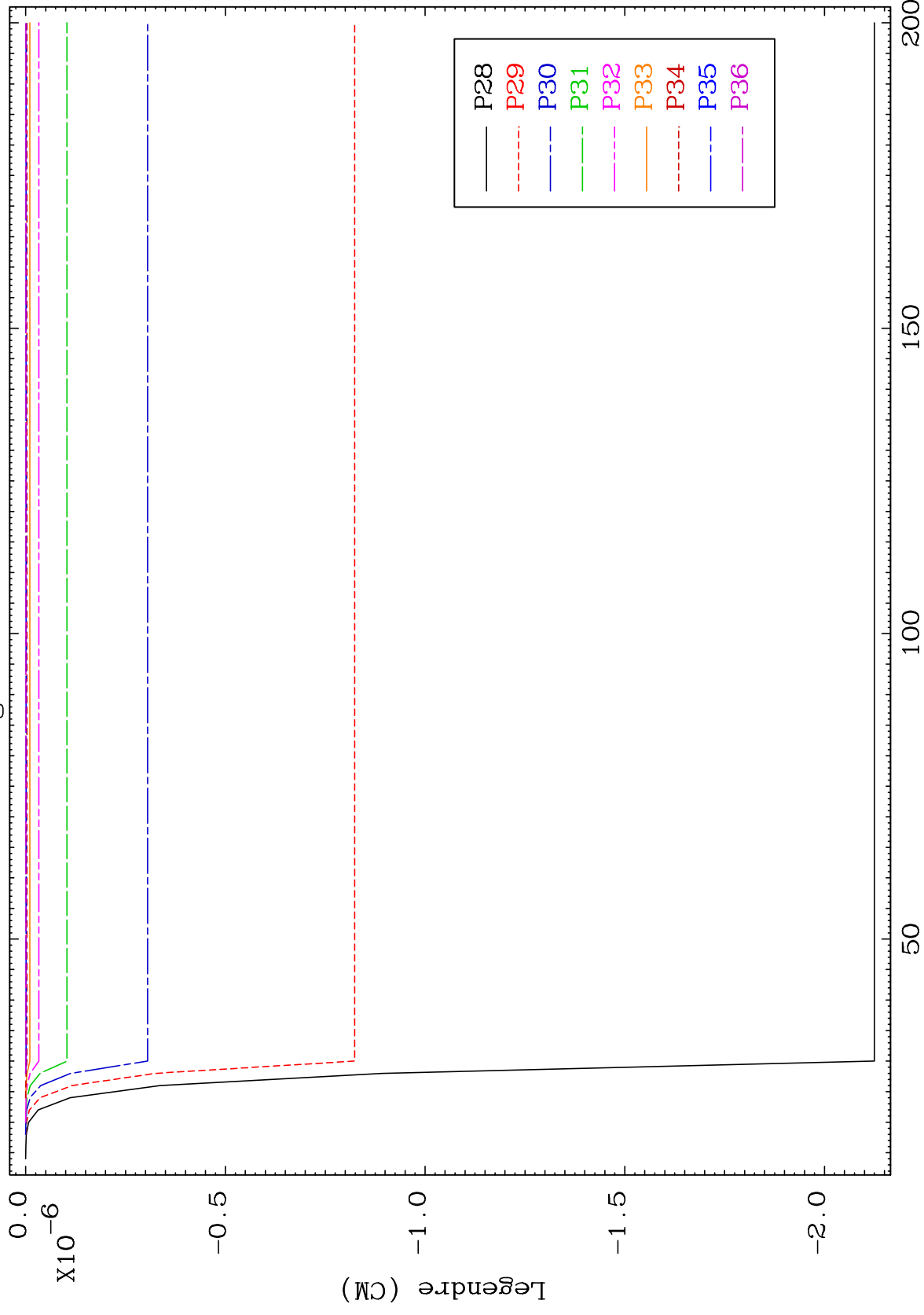
59-Pr-145



MAT 5937

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

59-Pr-145



39

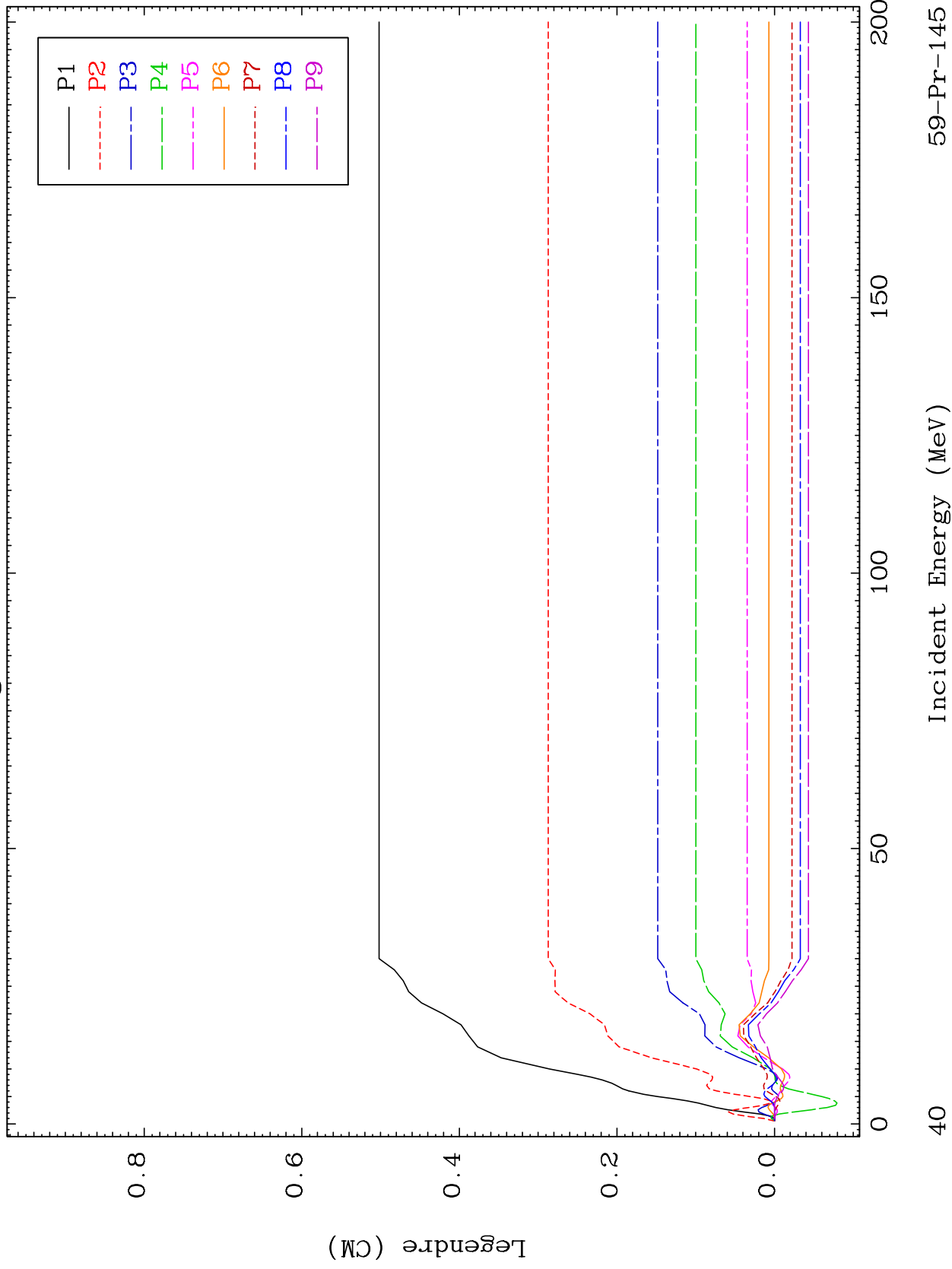
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145

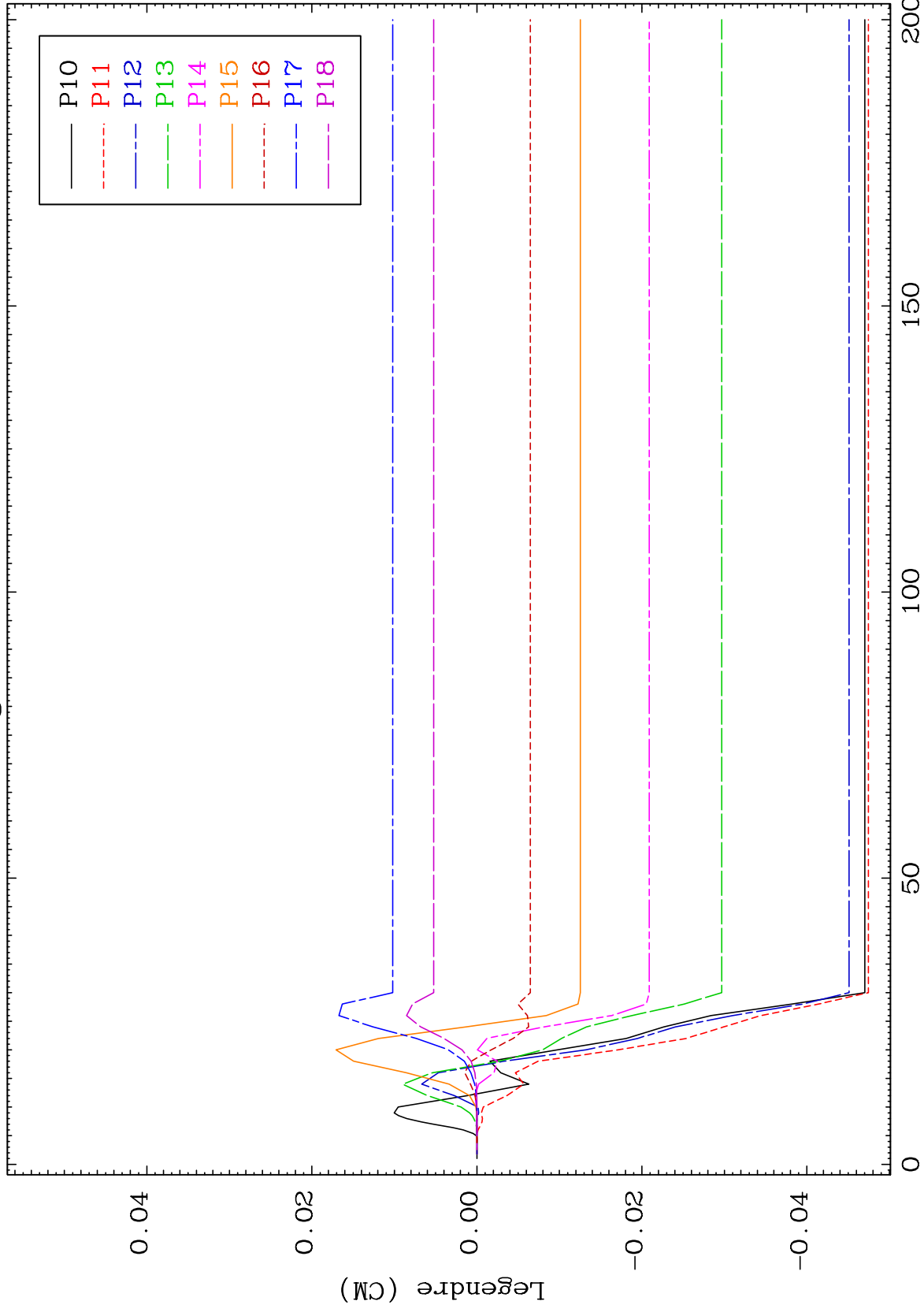


59-Pr-145

MAT 5937

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

59-Pr-145



41

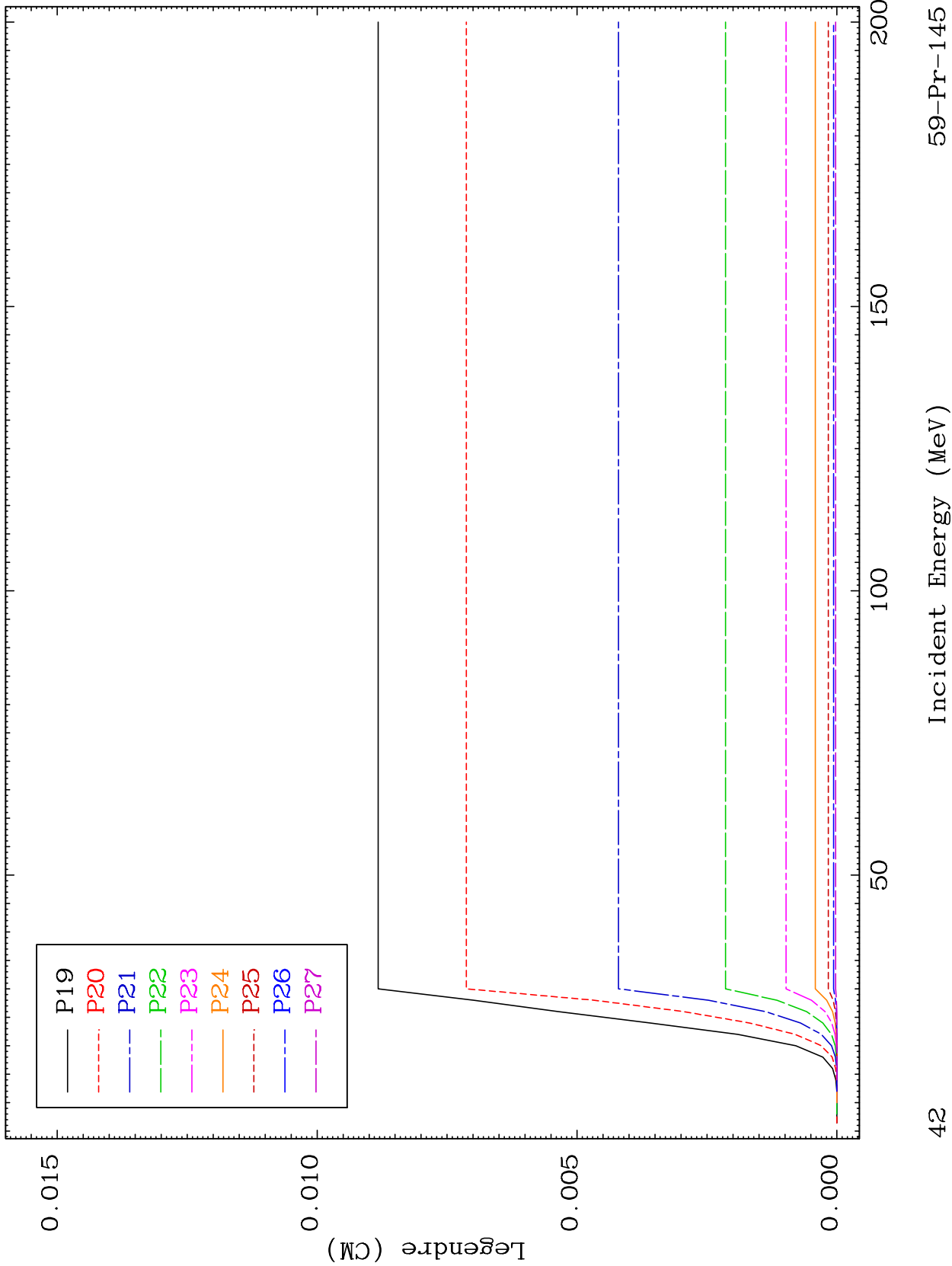
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



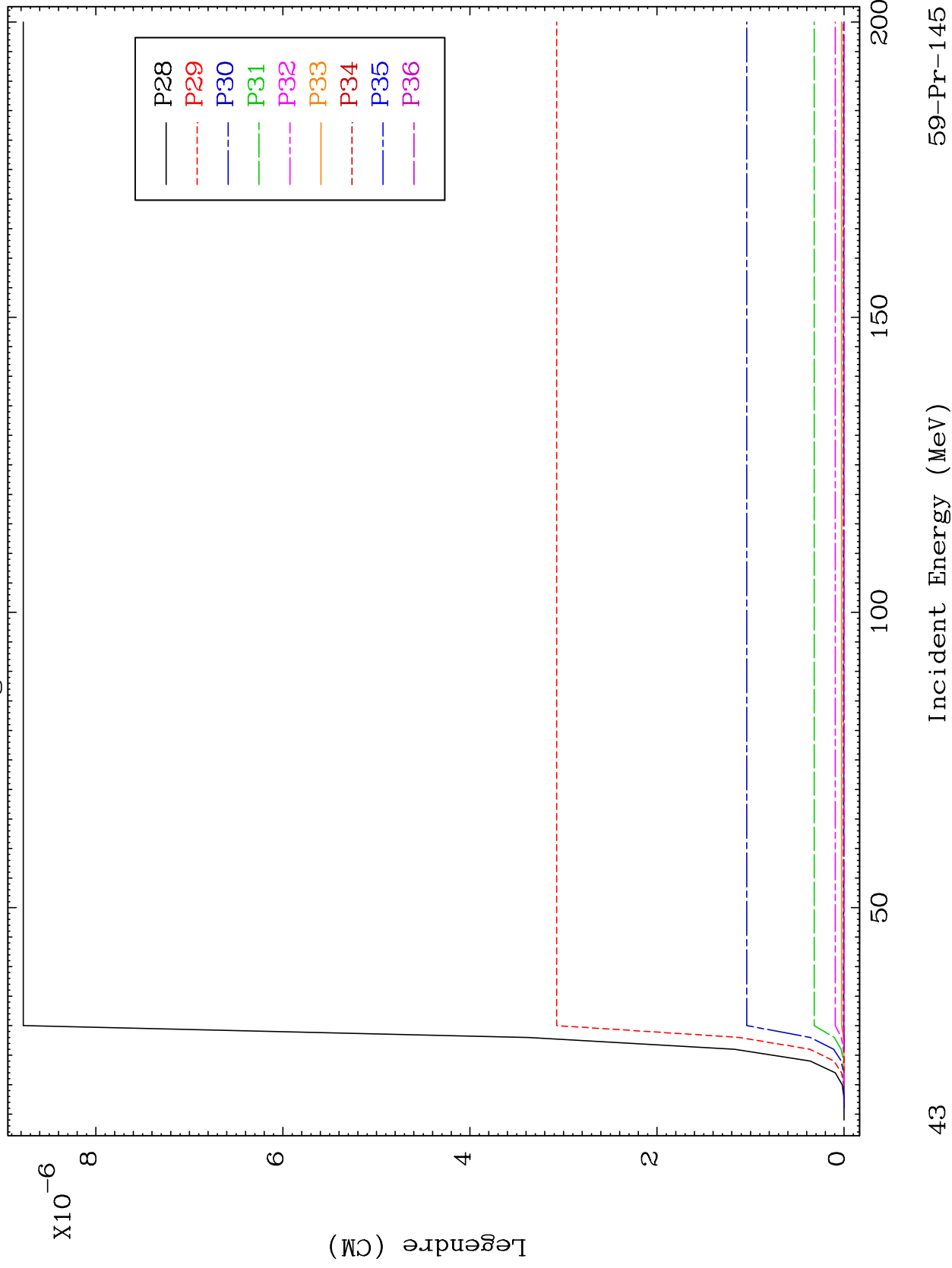
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59-Pr-145

MAT 5937

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

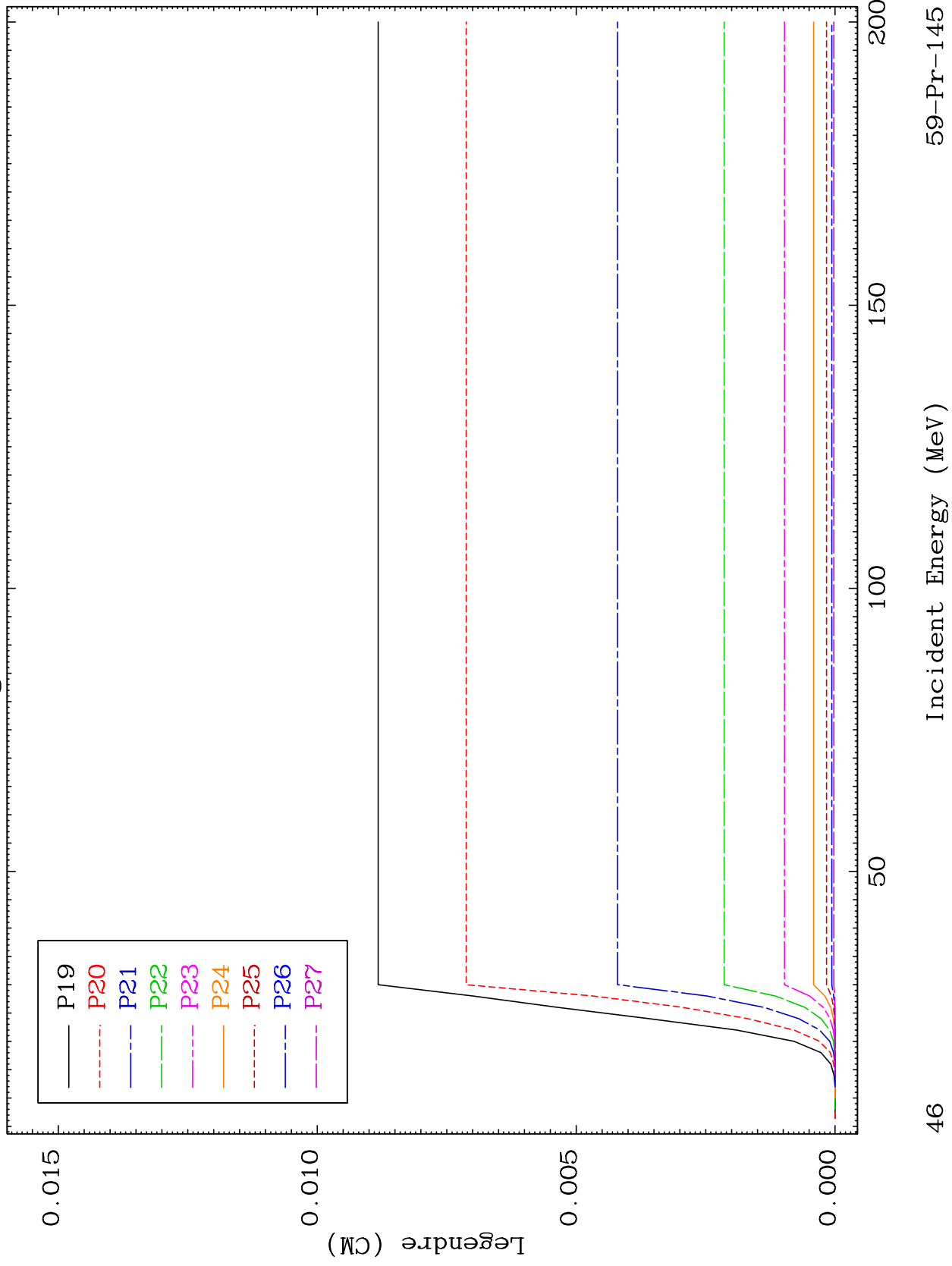
59-Pr-145



MAT 5937

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

59-Pr-145



46

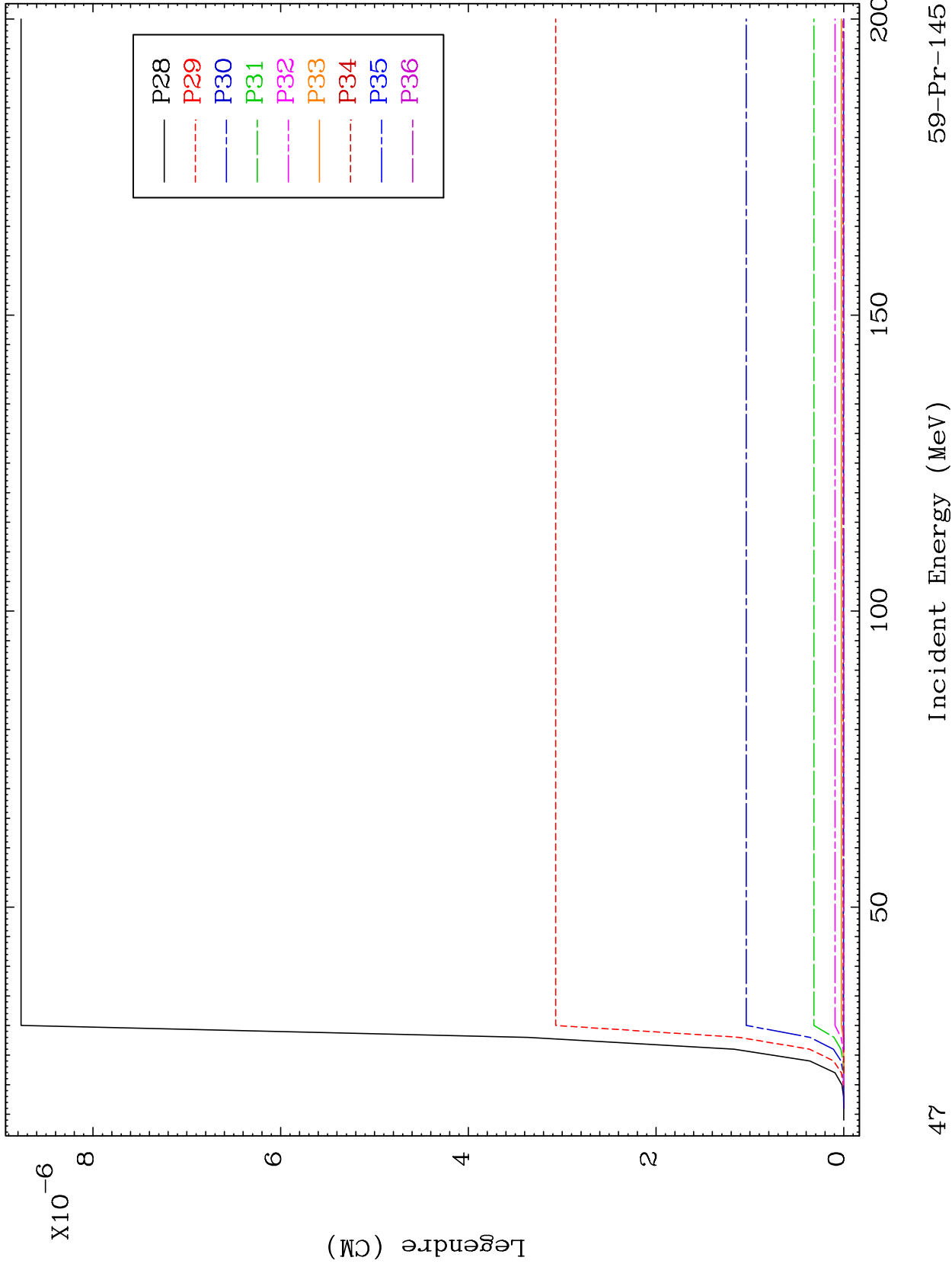
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



47

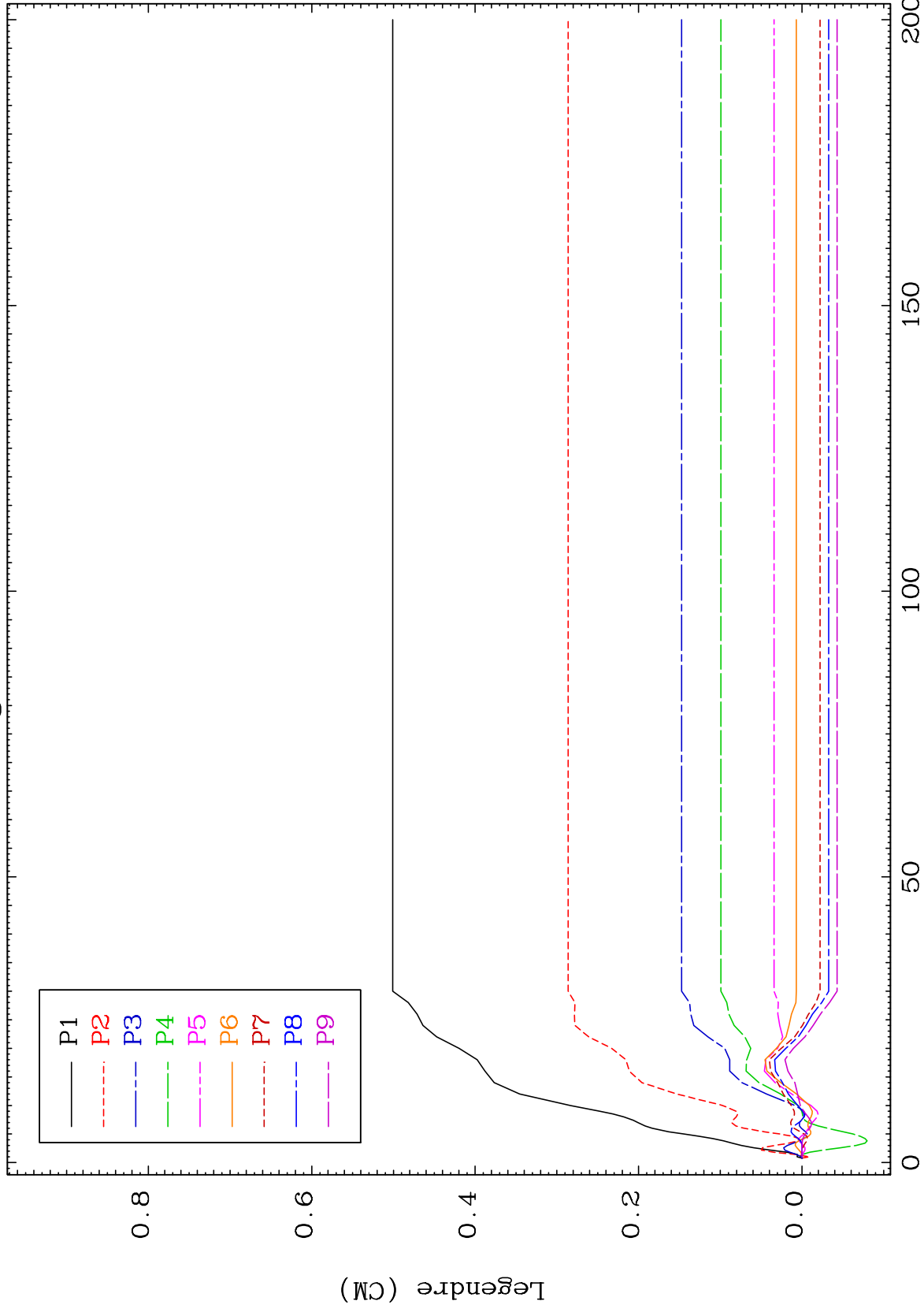
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



48

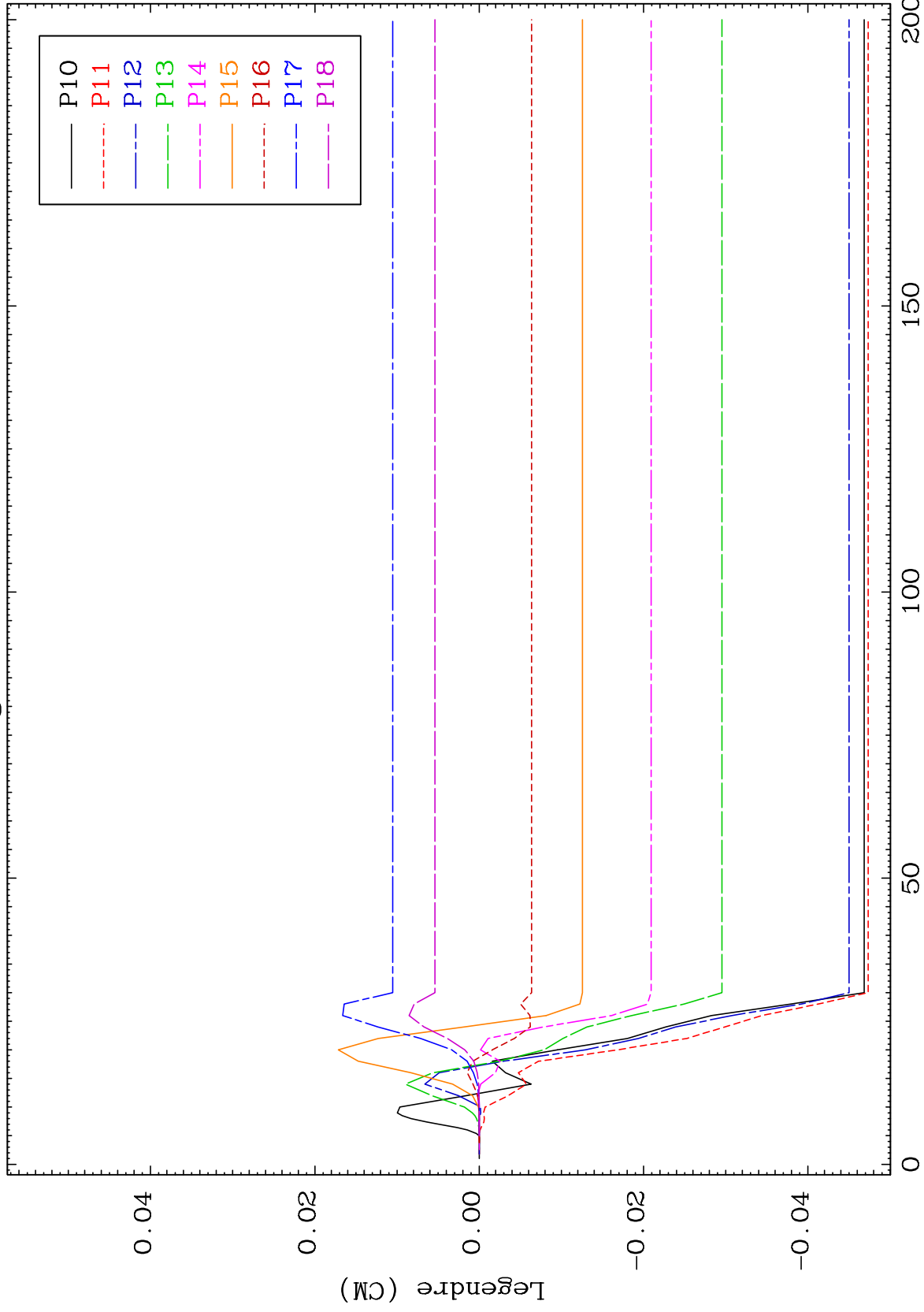
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



49

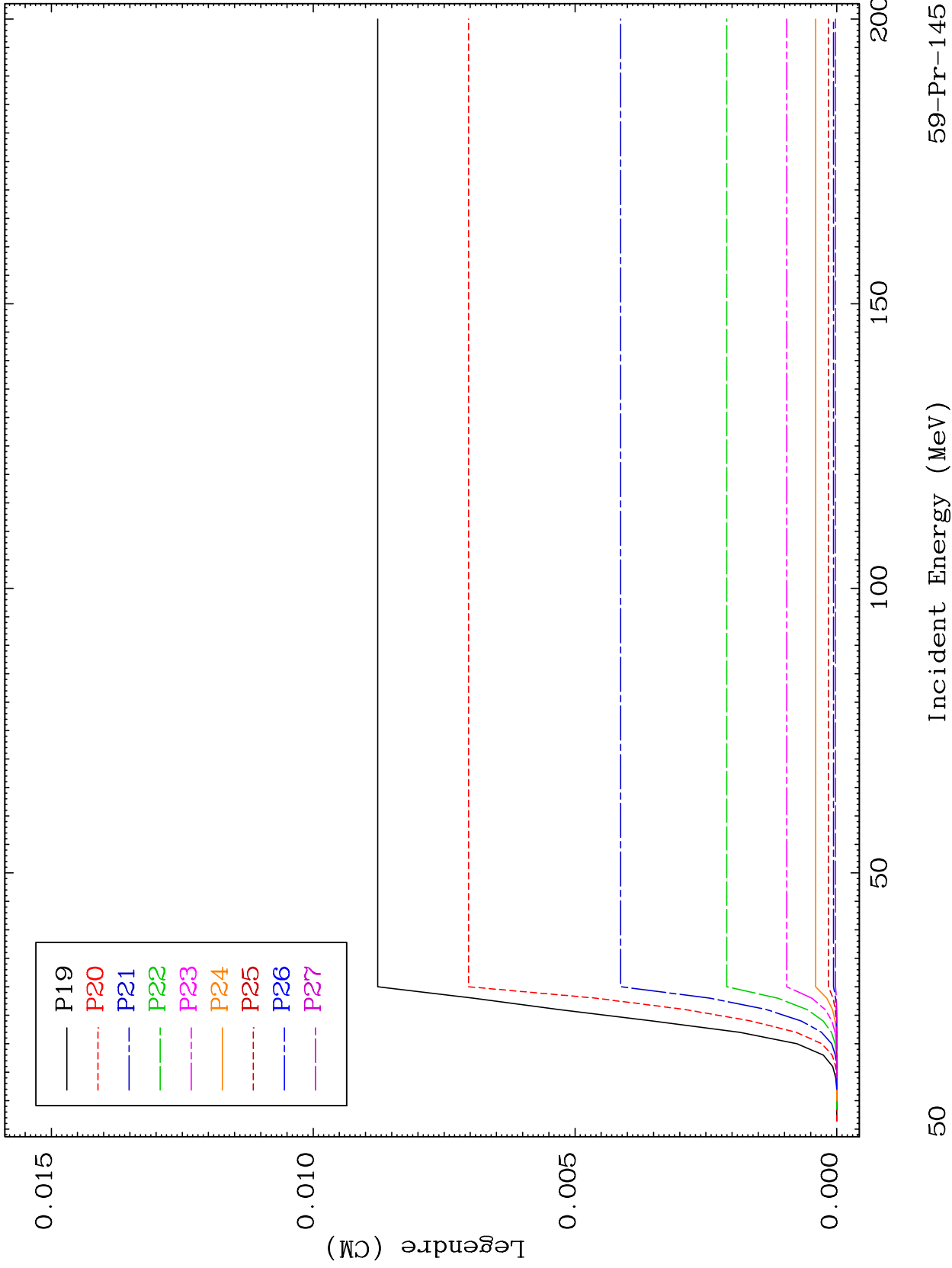
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



59-Pr-145

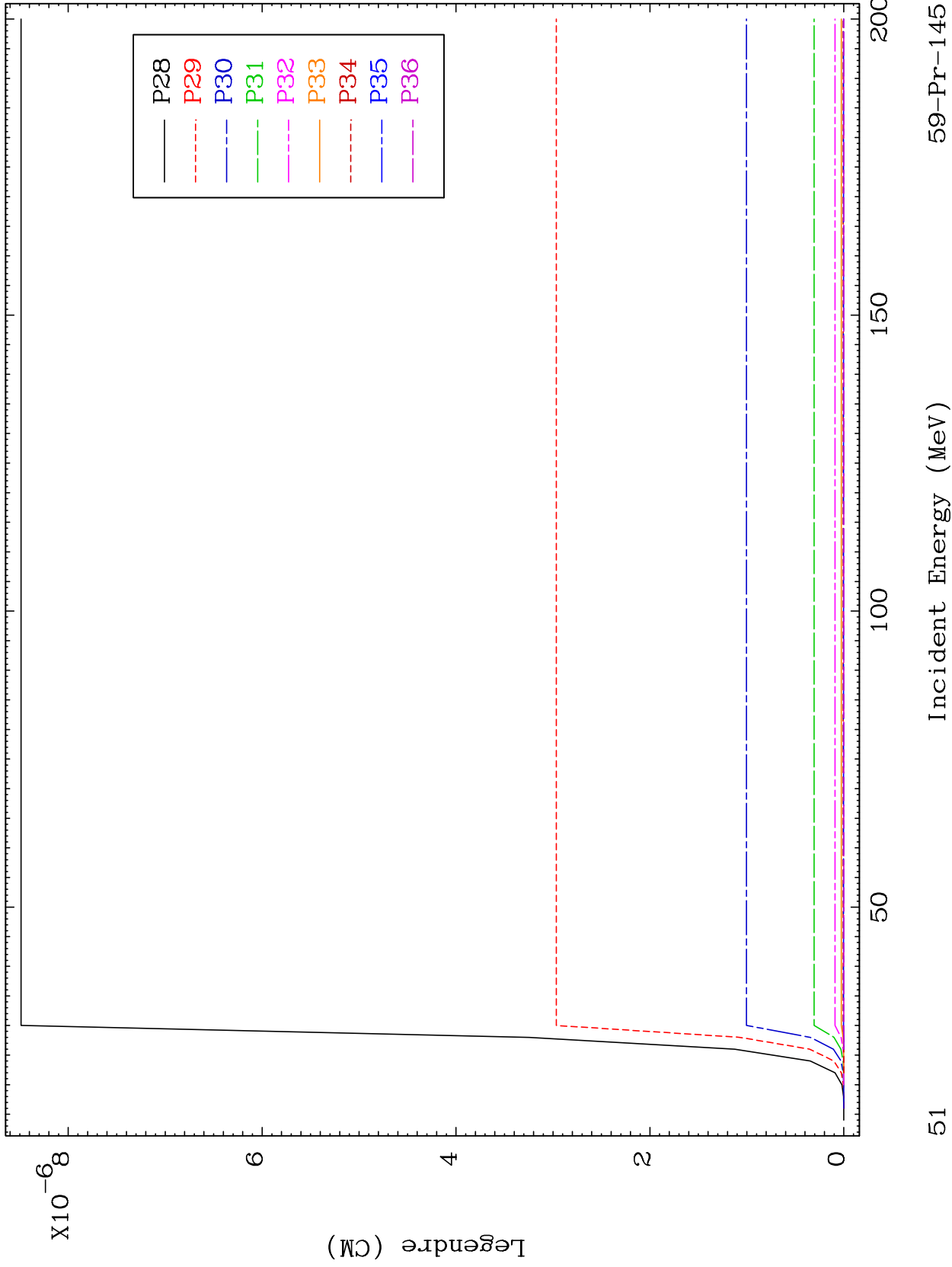
Incident Energy (MeV)

50

MAT 5937

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

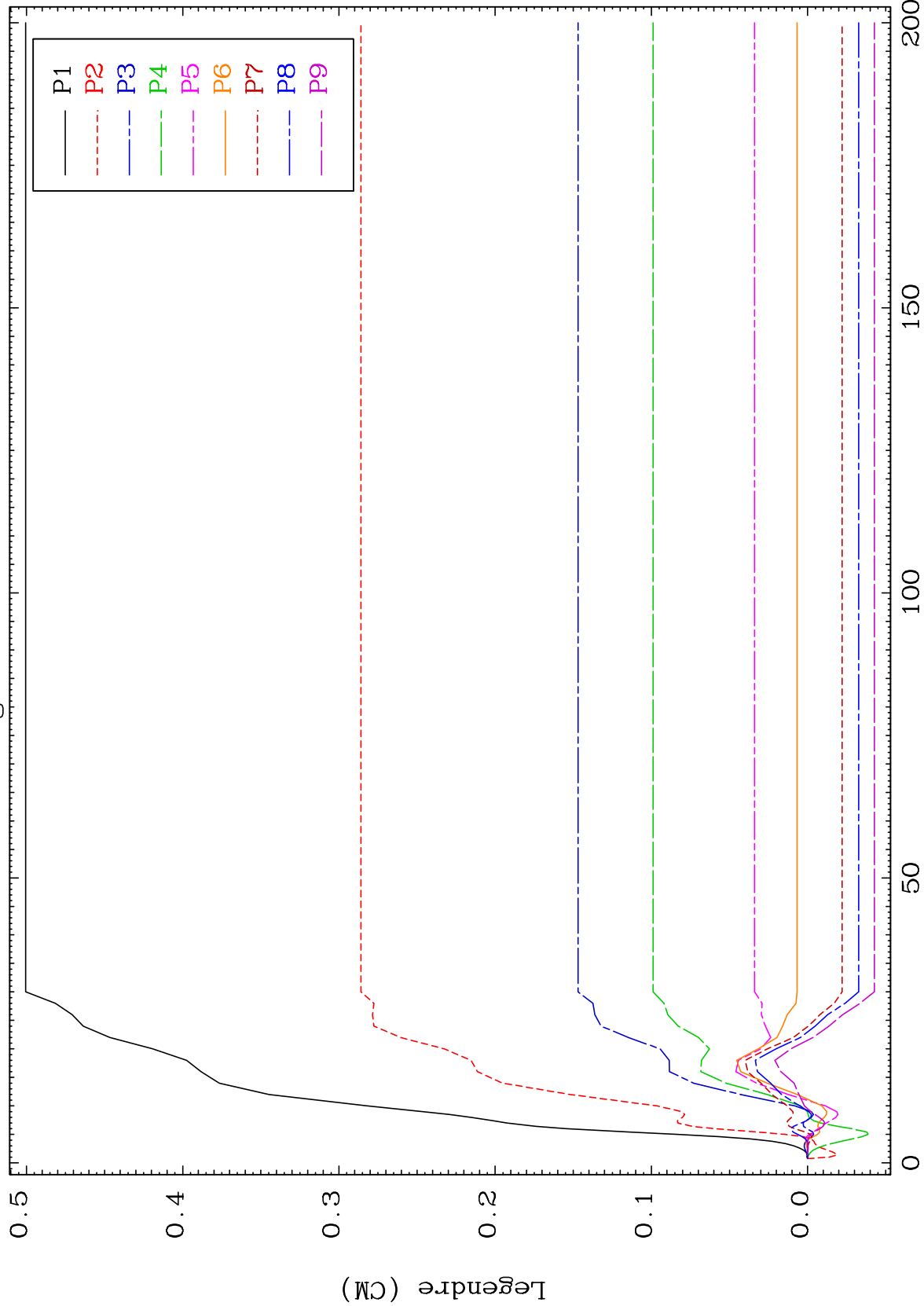
59-Pr-145



MAT 5937

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

59-Pr-145



52

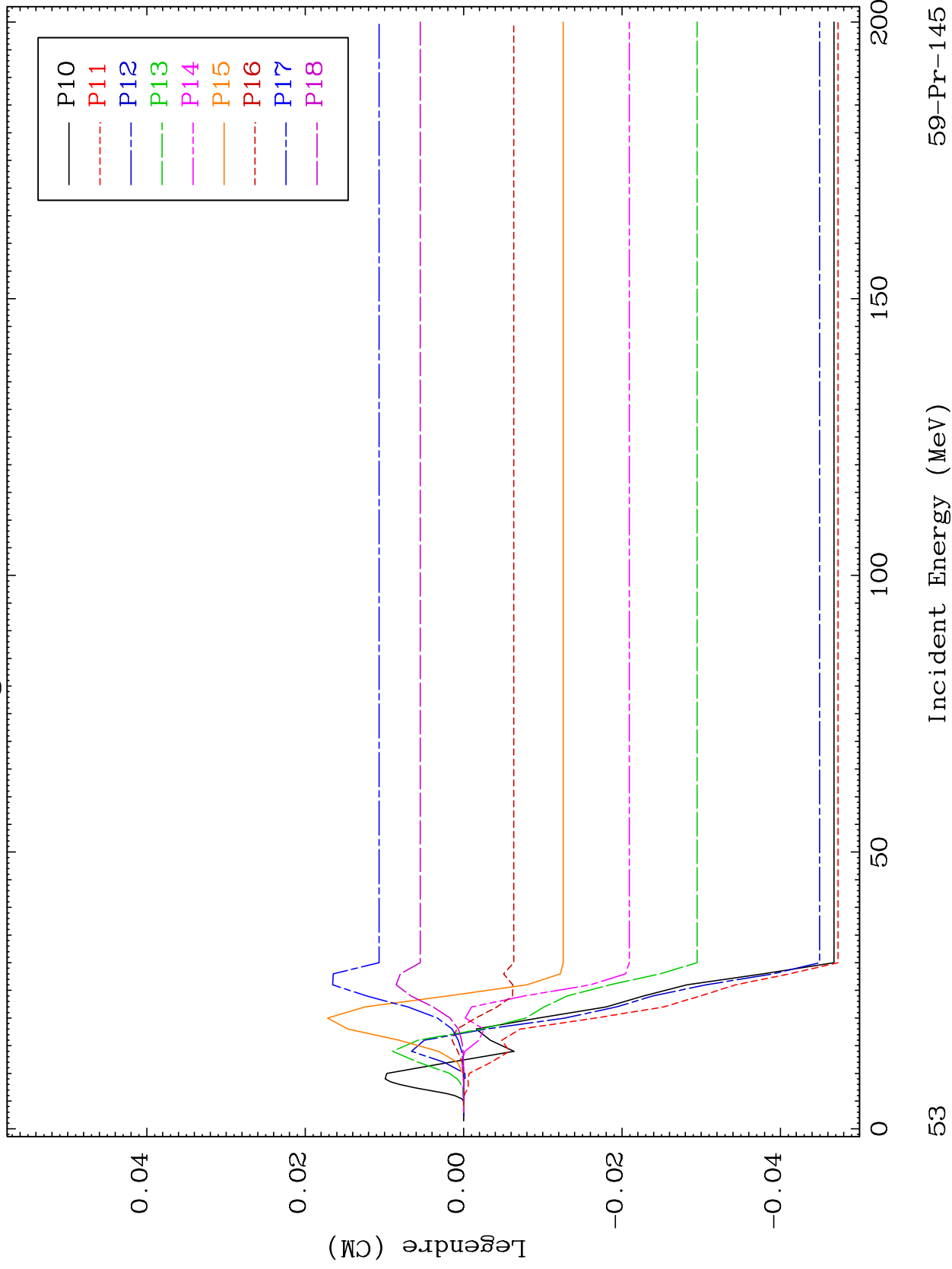
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



53

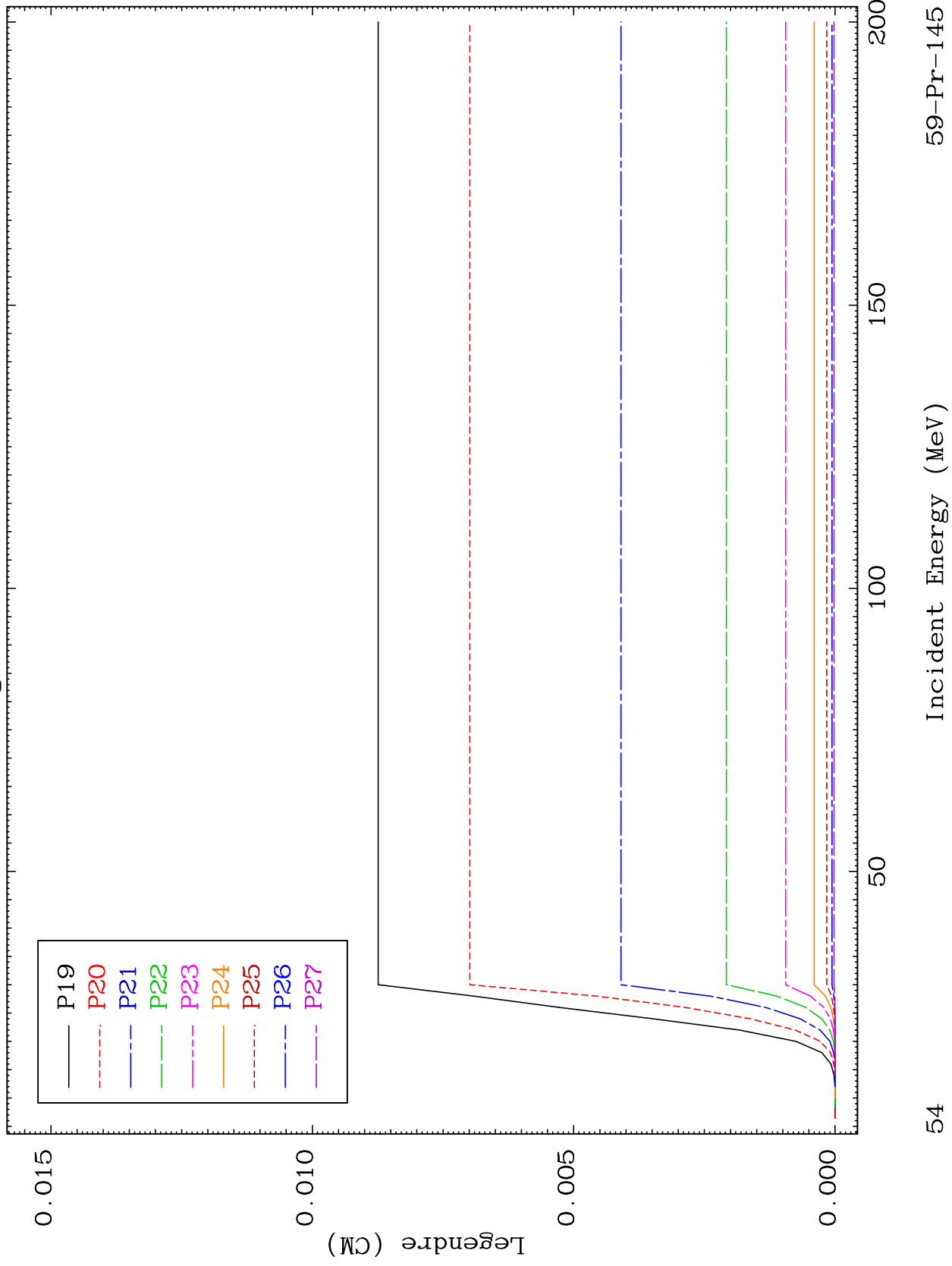
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



54

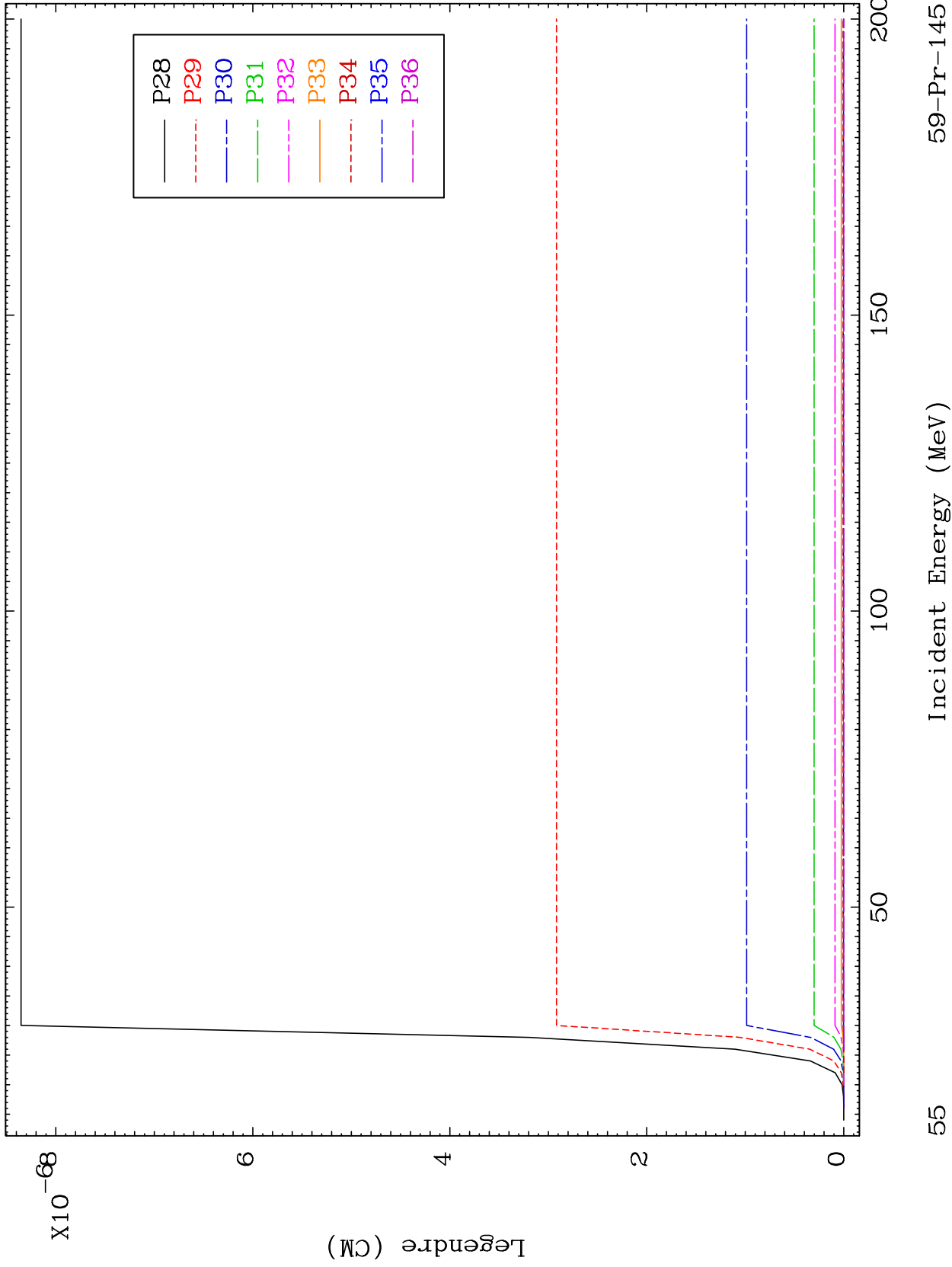
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

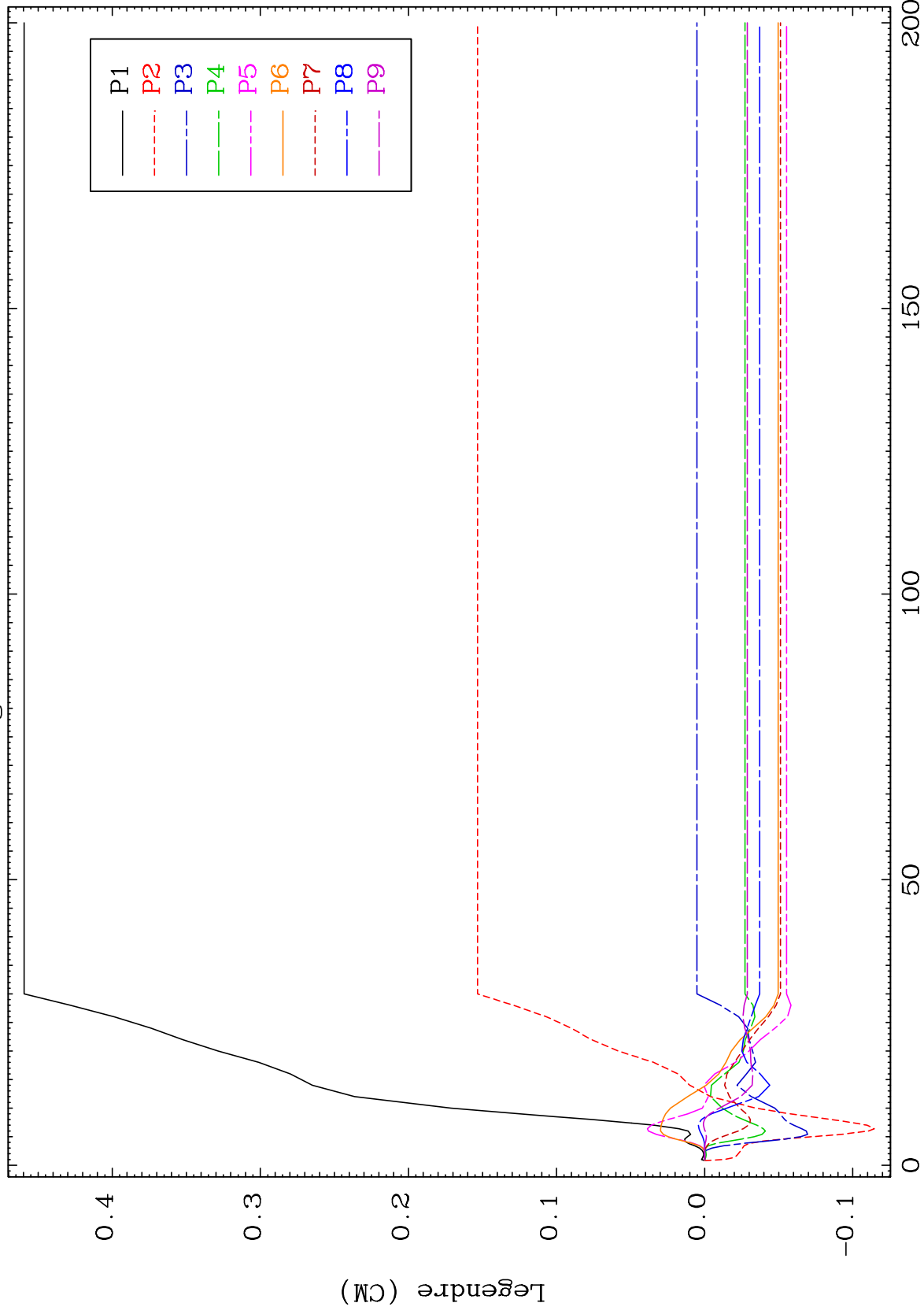
59-Pr-145



MAT 5937

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

59-Pr-145



59-Pr-145

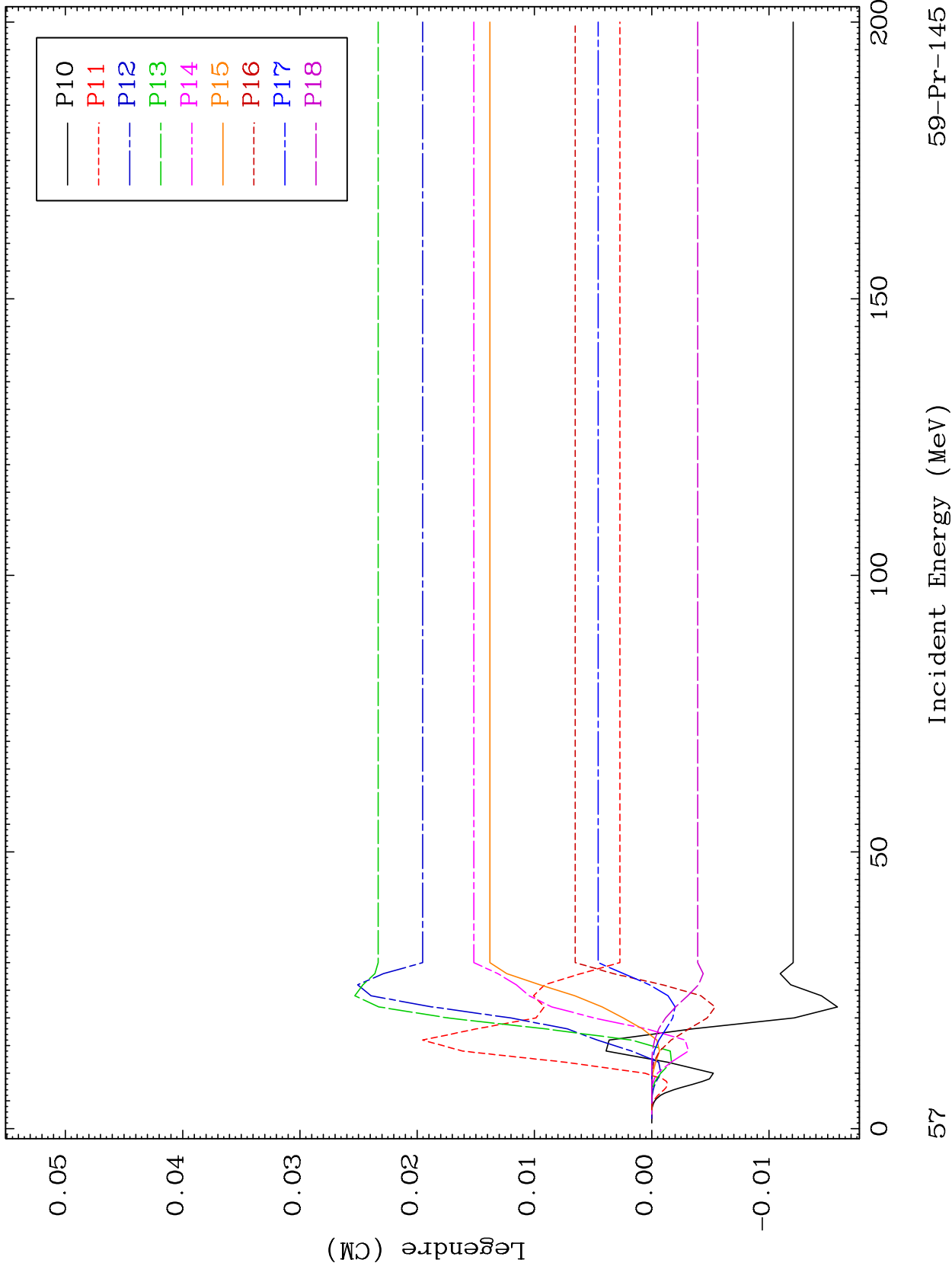
Incident Energy (MeV)

56

MAT 5937

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

59-Pr-145



57

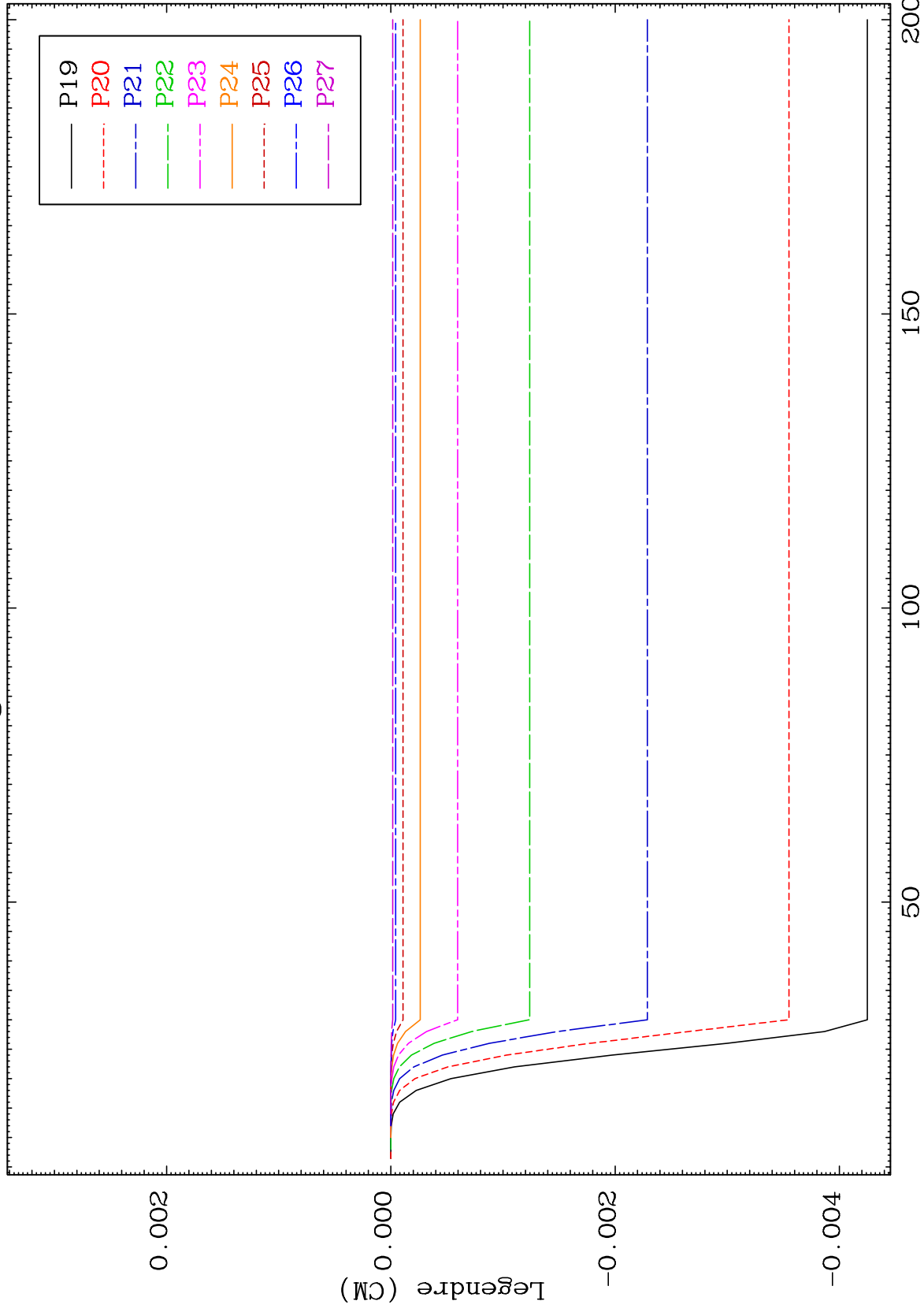
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



58

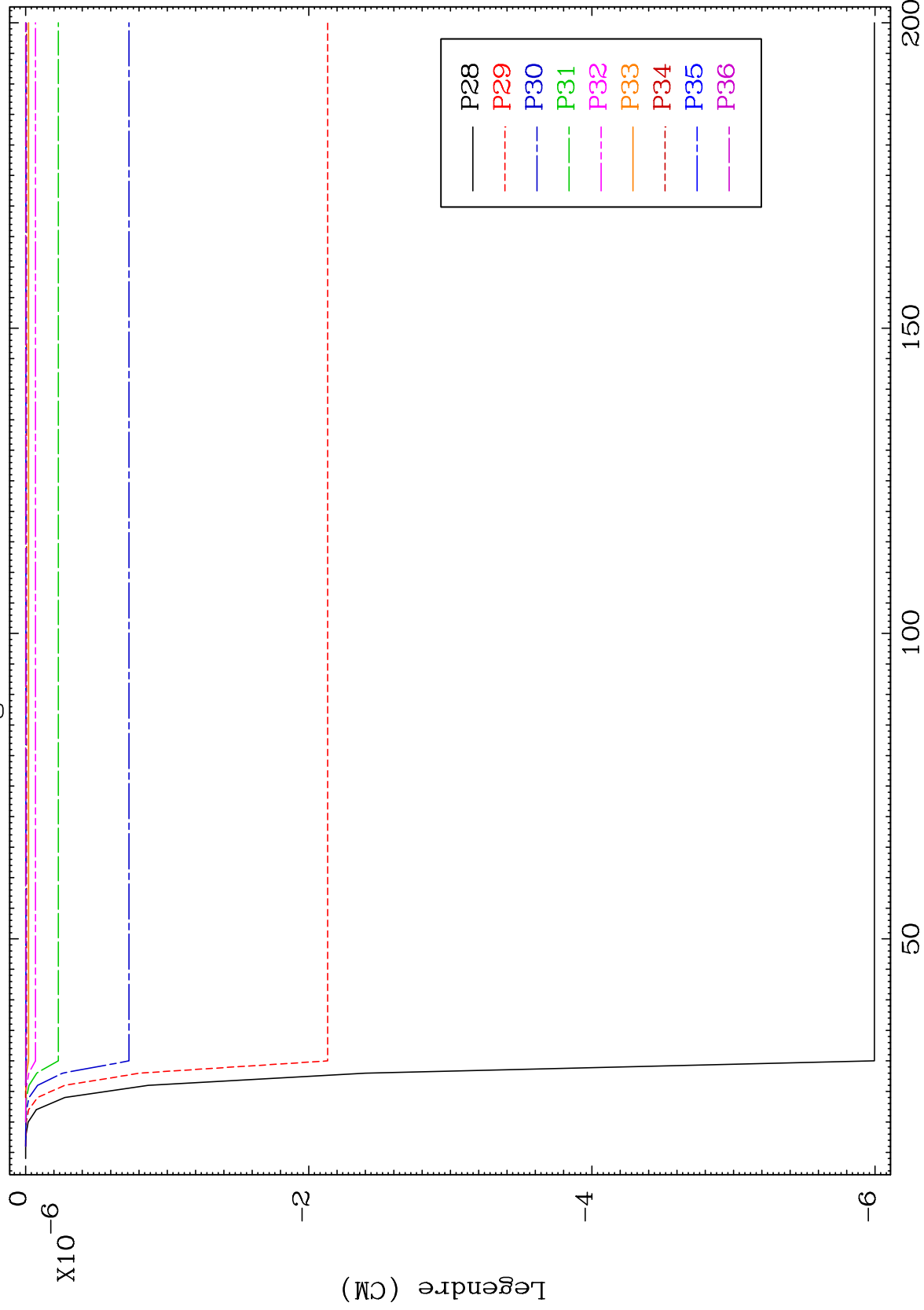
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



59

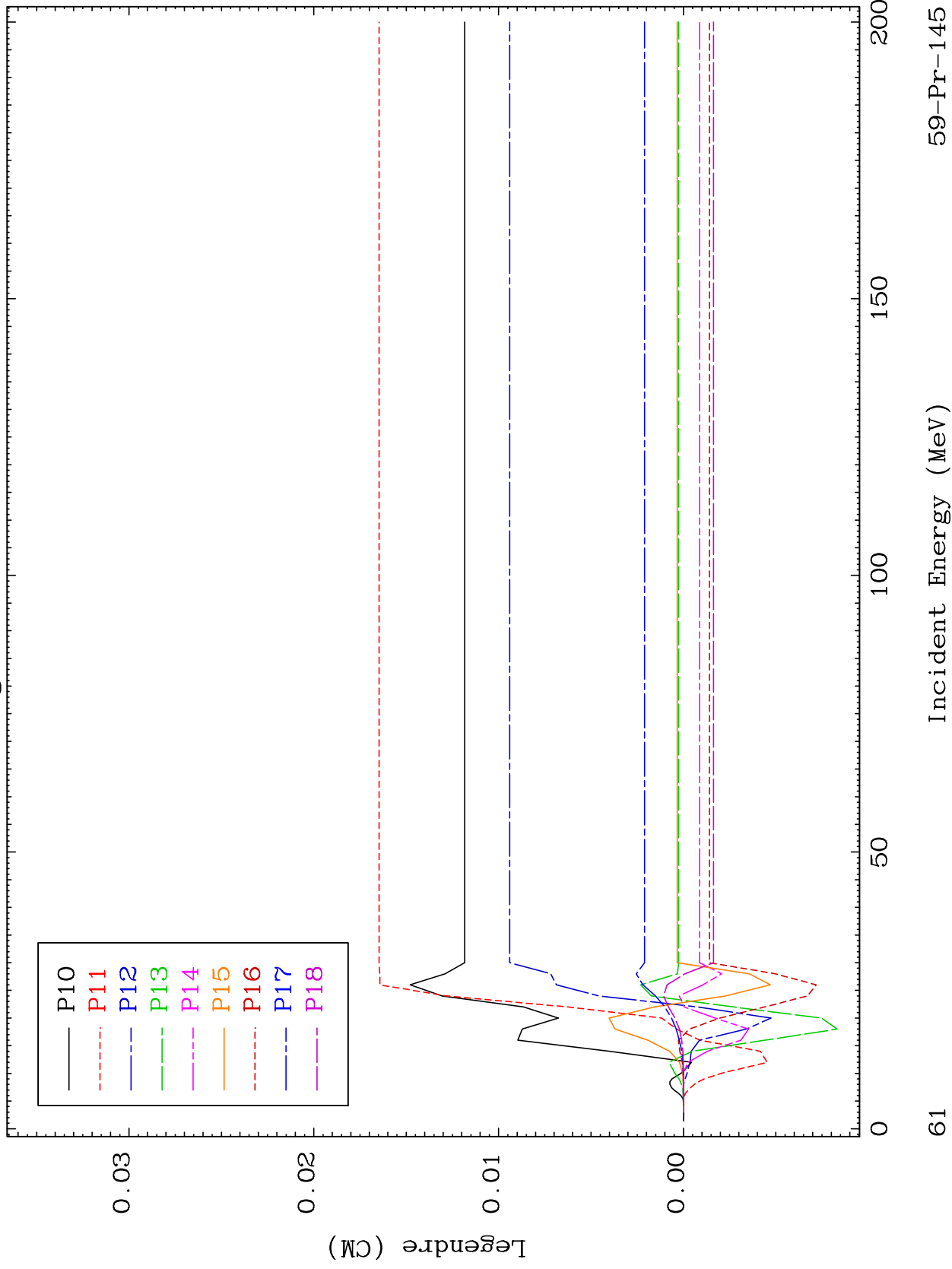
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

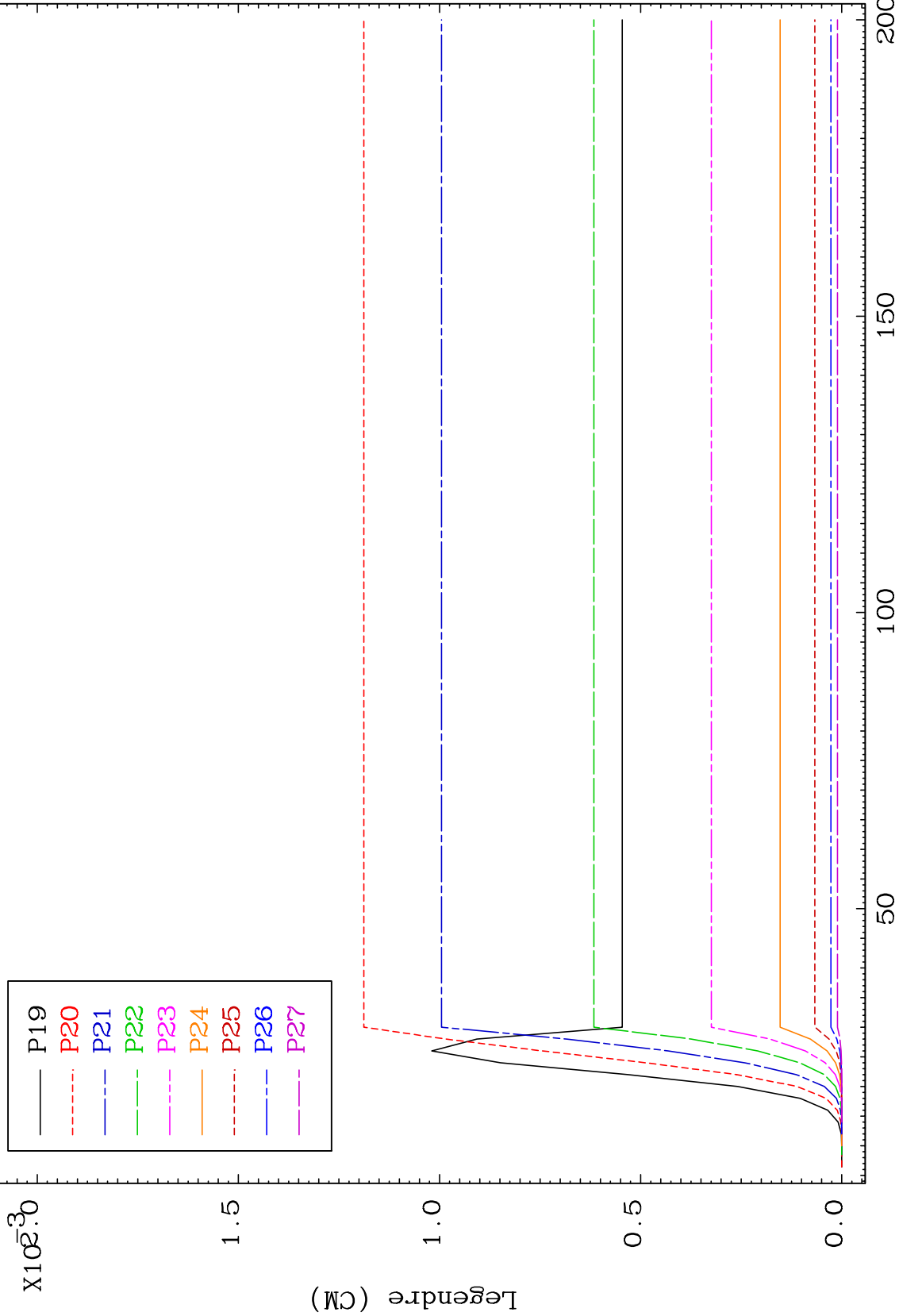
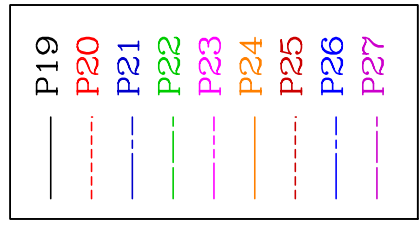
59-Pr-145



61

Incident Energy (MeV)

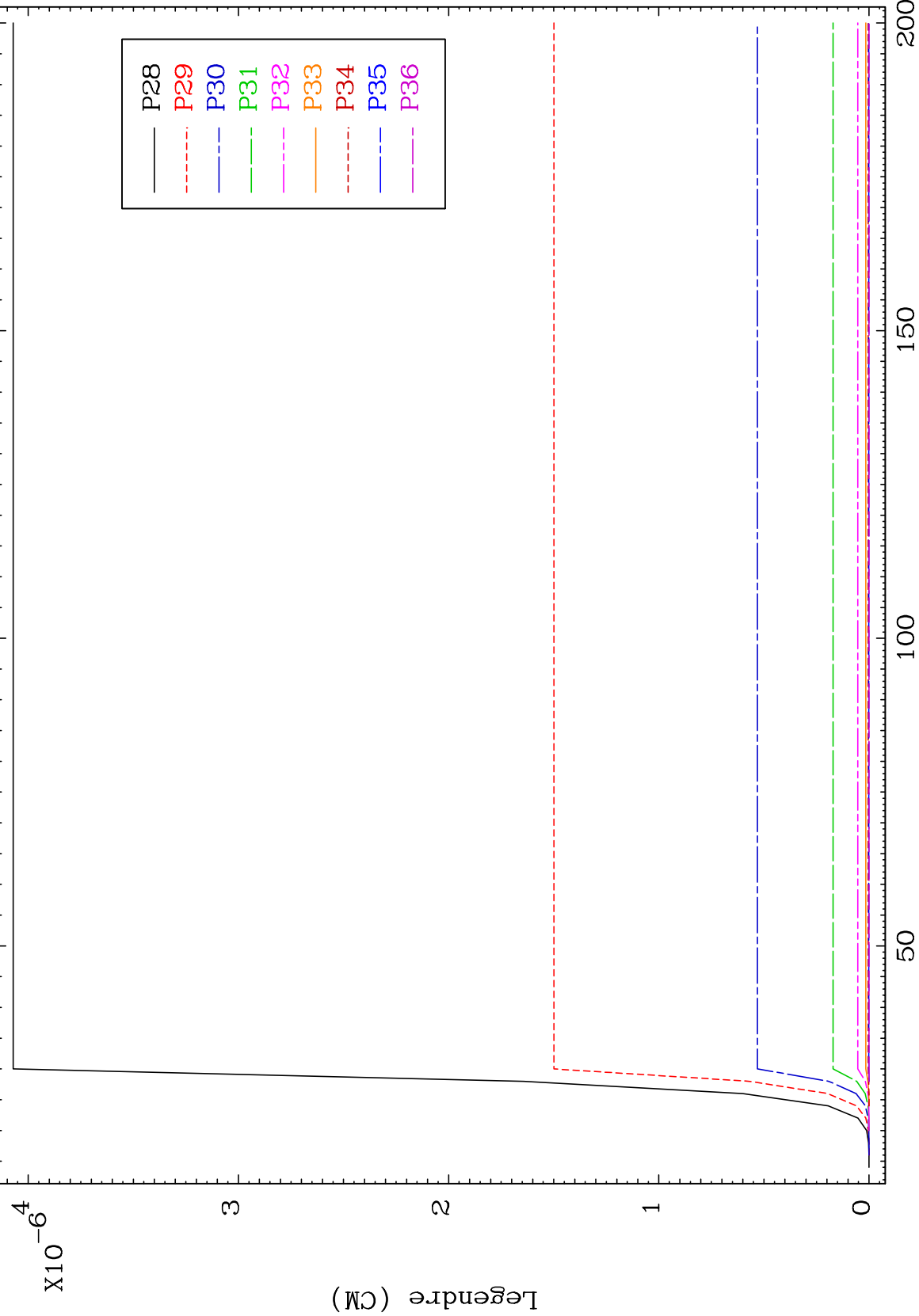
59-Pr-145



MAT 5937

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

59-Pr-145



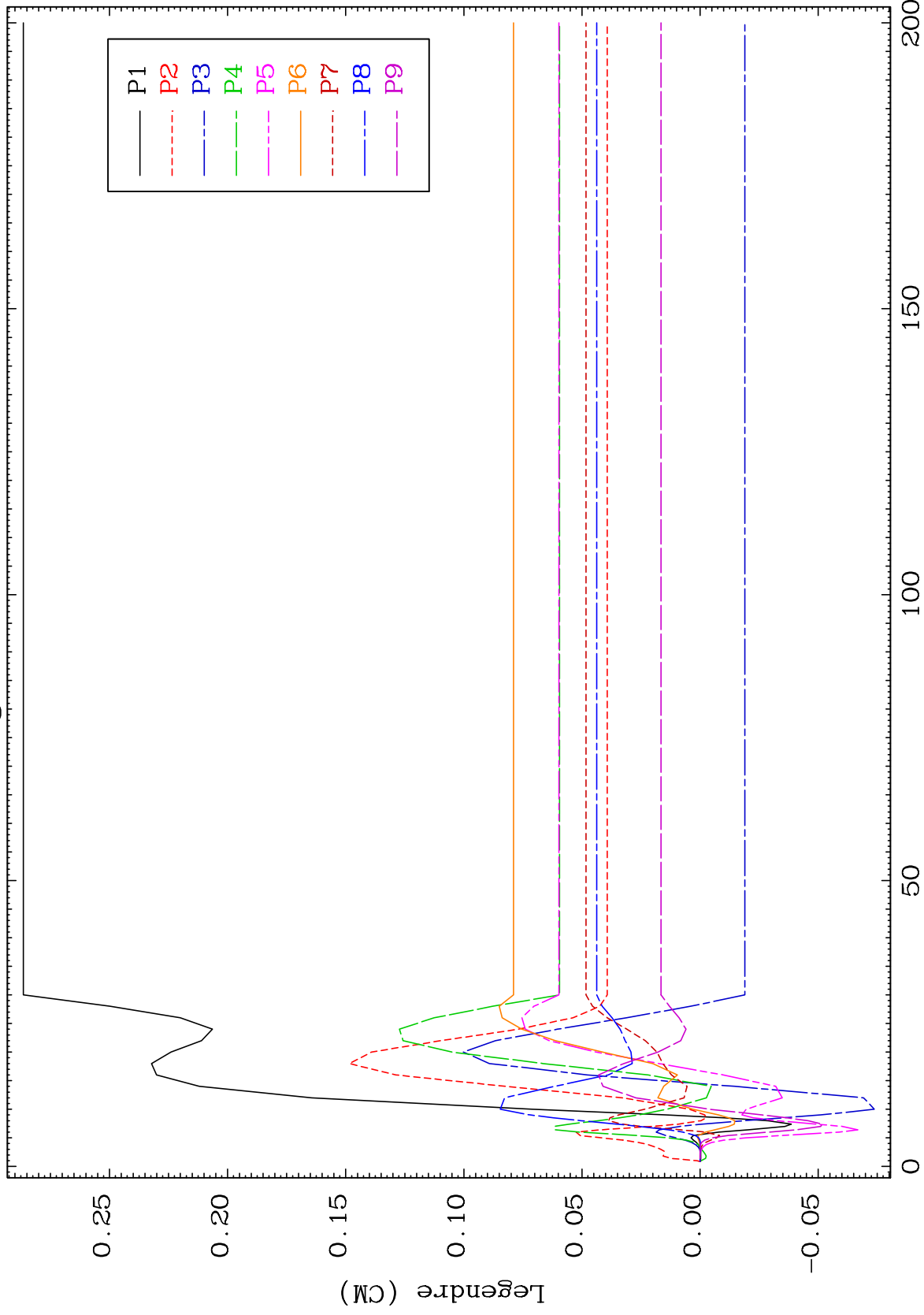
63

59-Pr-145

MAT 5937

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

59-Pr-145



64

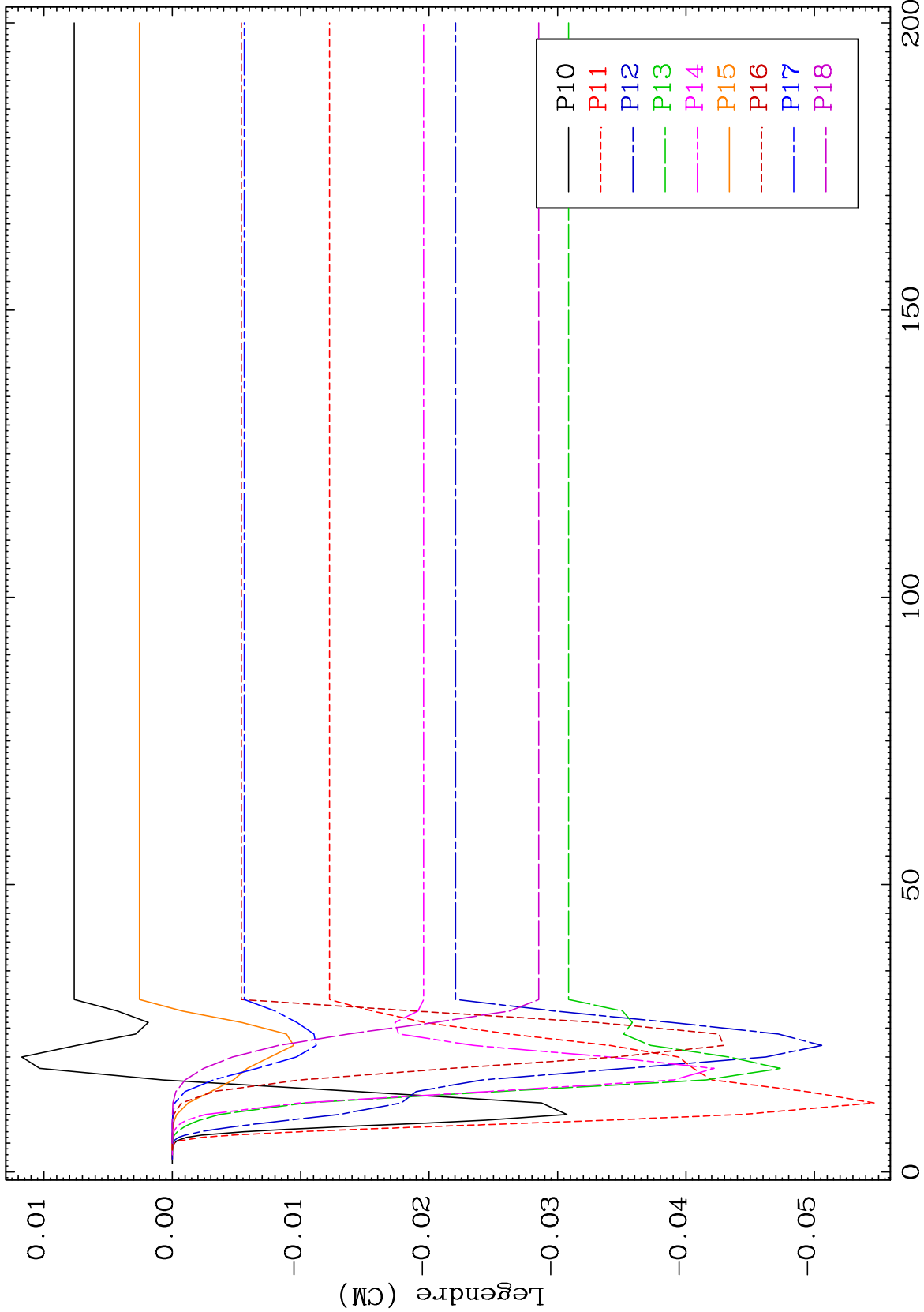
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



65

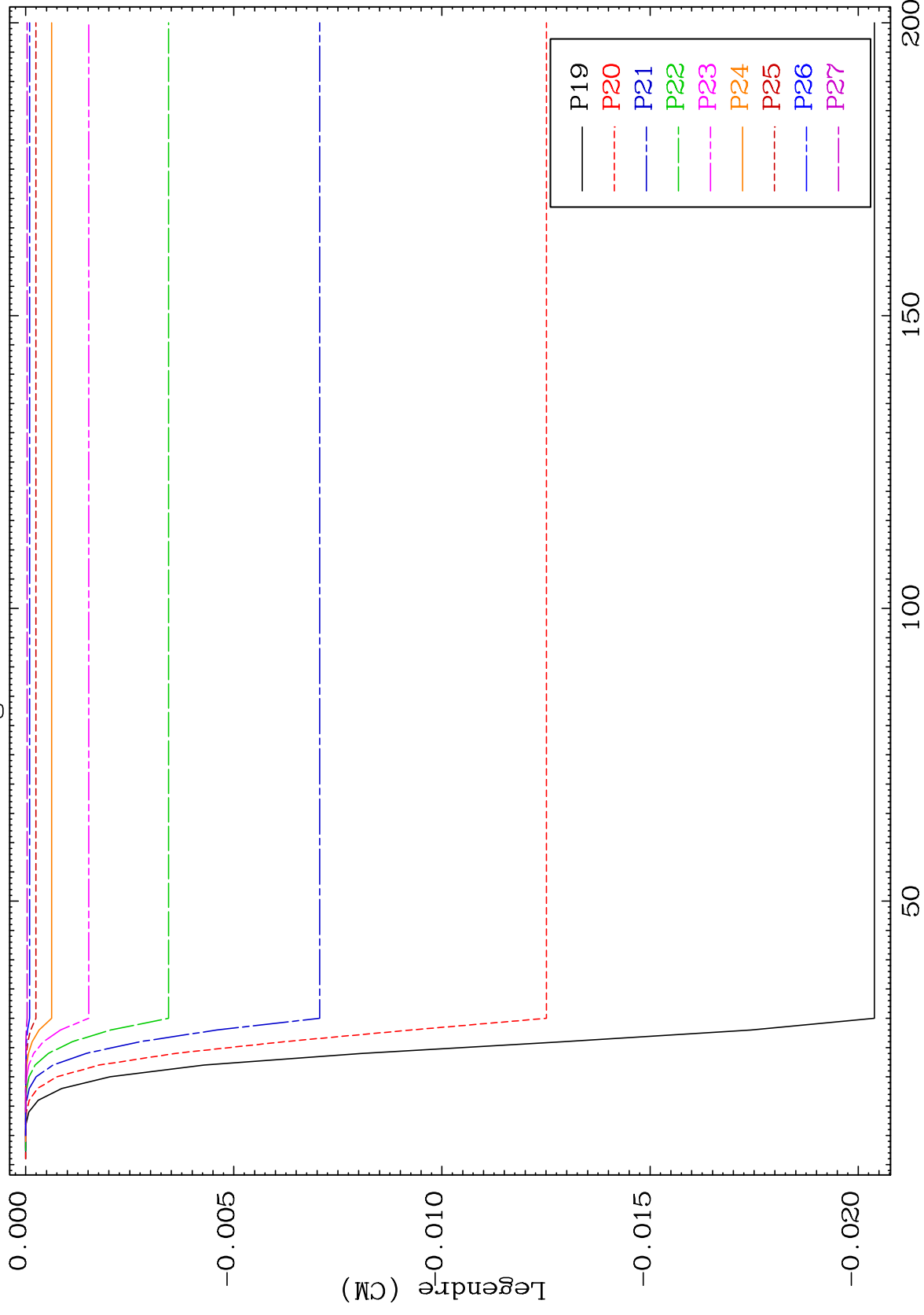
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



66

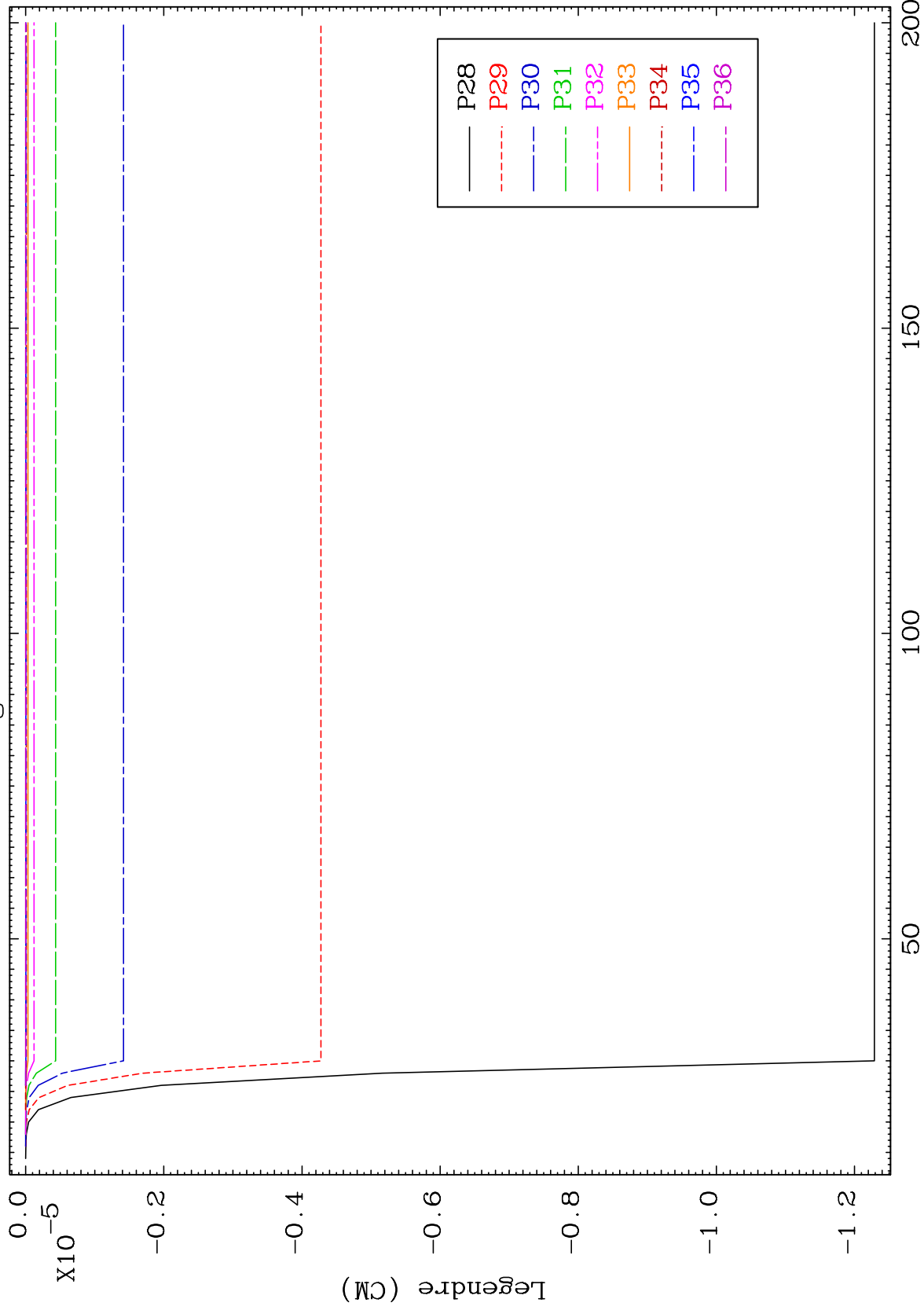
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



67

Incident Energy (MeV)

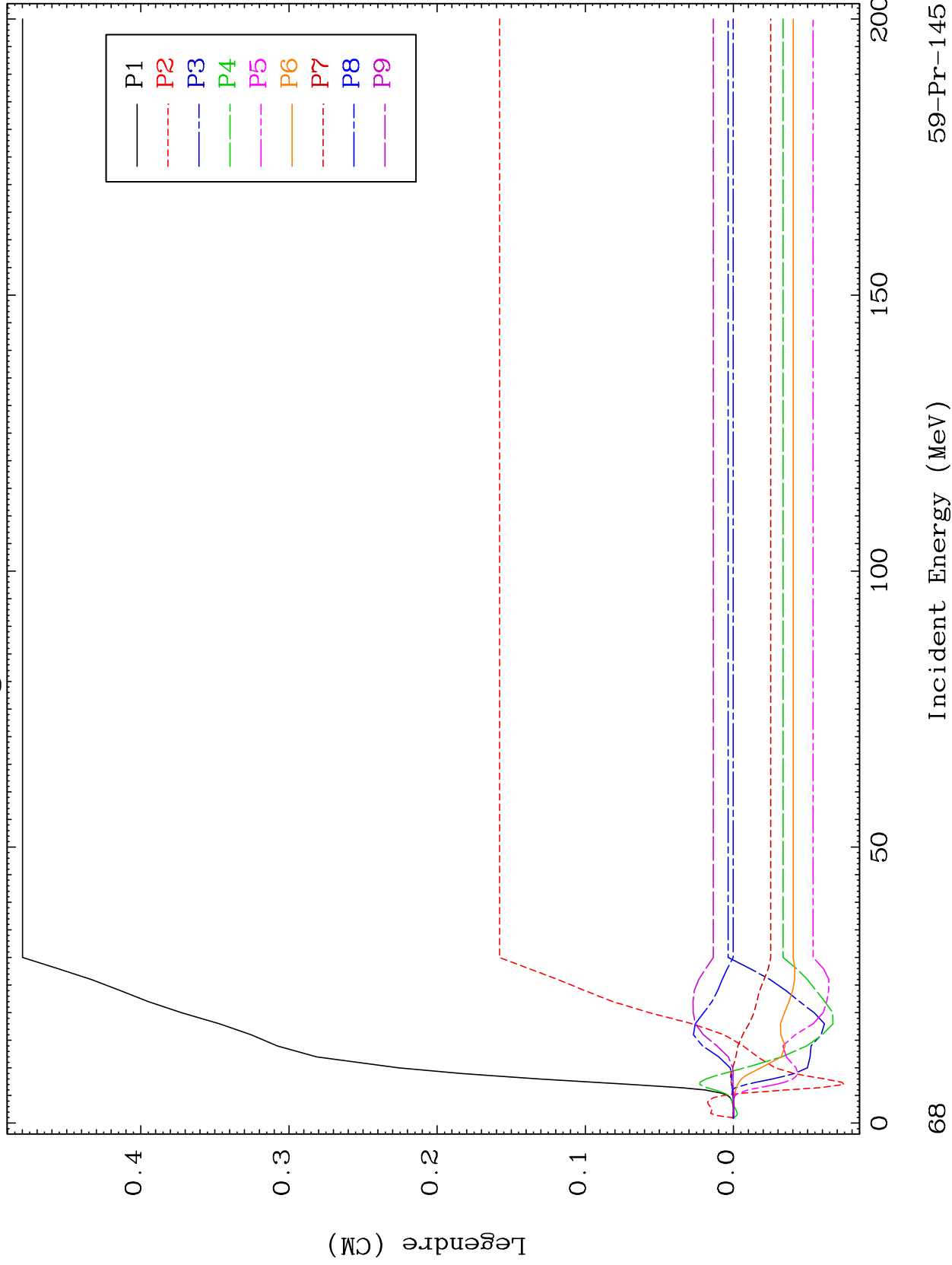
59-Pr-145

MAT 5937

MT= 63 (n,n') Level

59-Pr-145

Legendre Coefficients



59-Pr-145

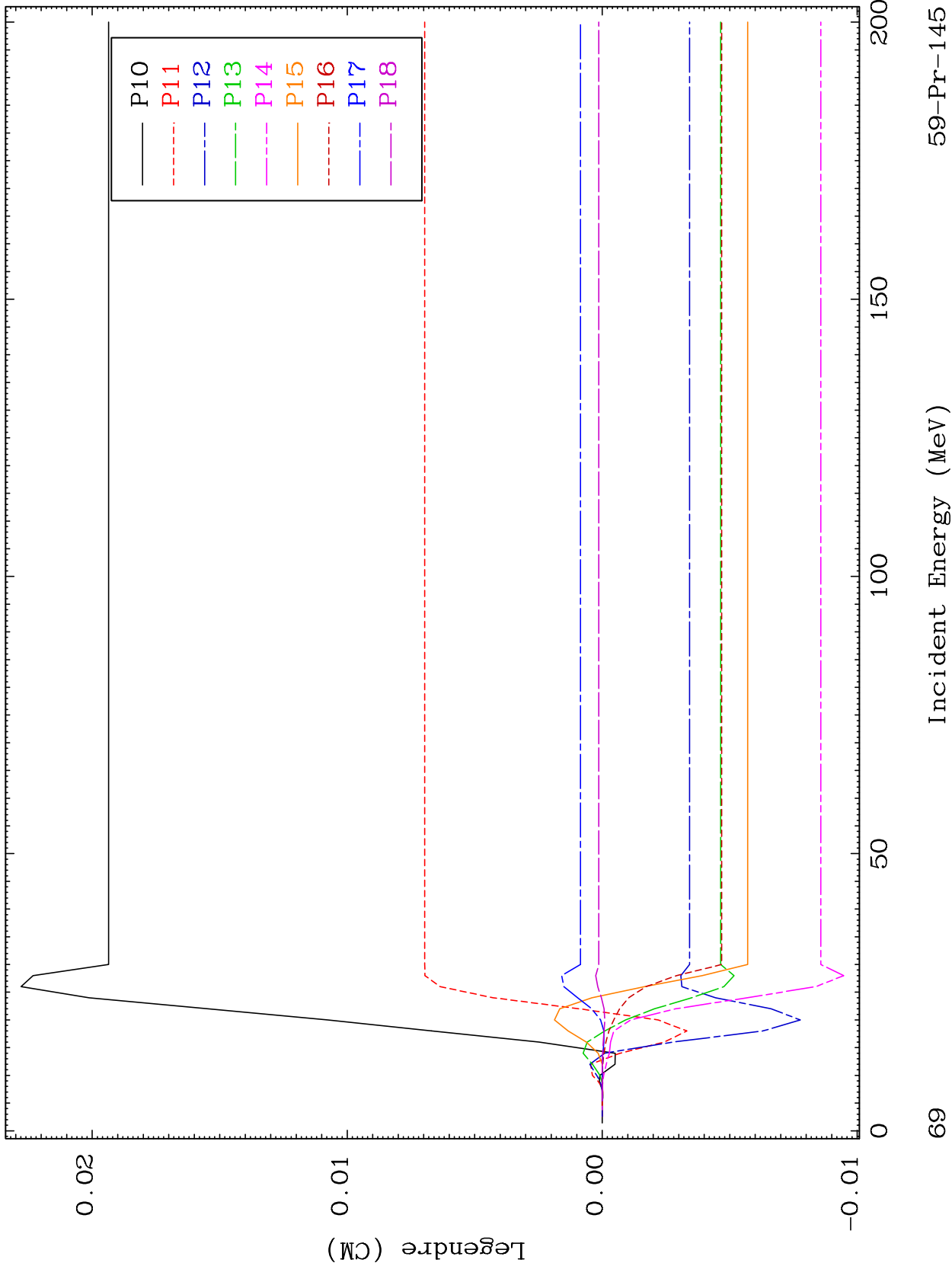
Incident Energy (MeV)

68

MAT 5937

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

59-Pr-145



69

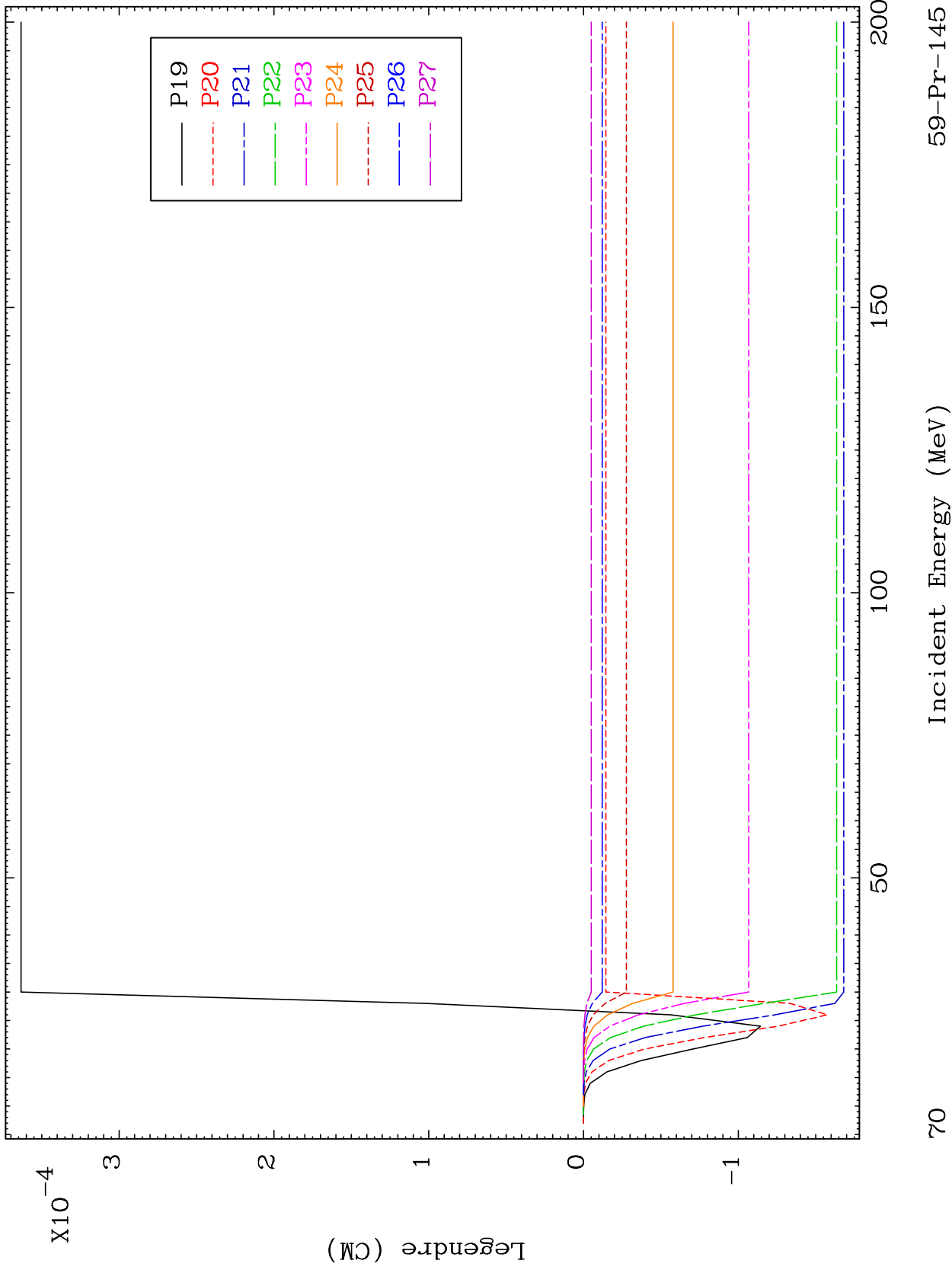
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



70

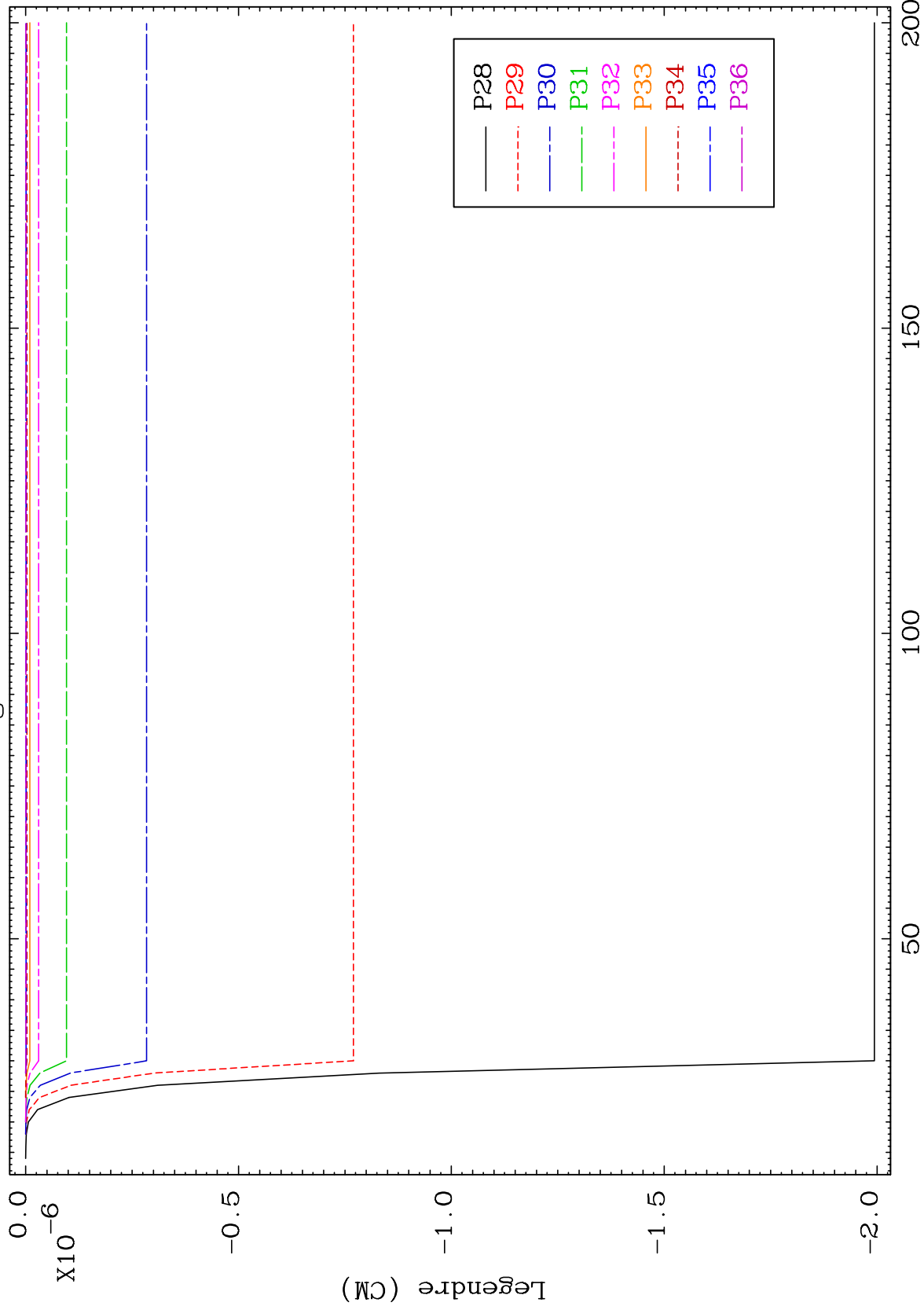
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

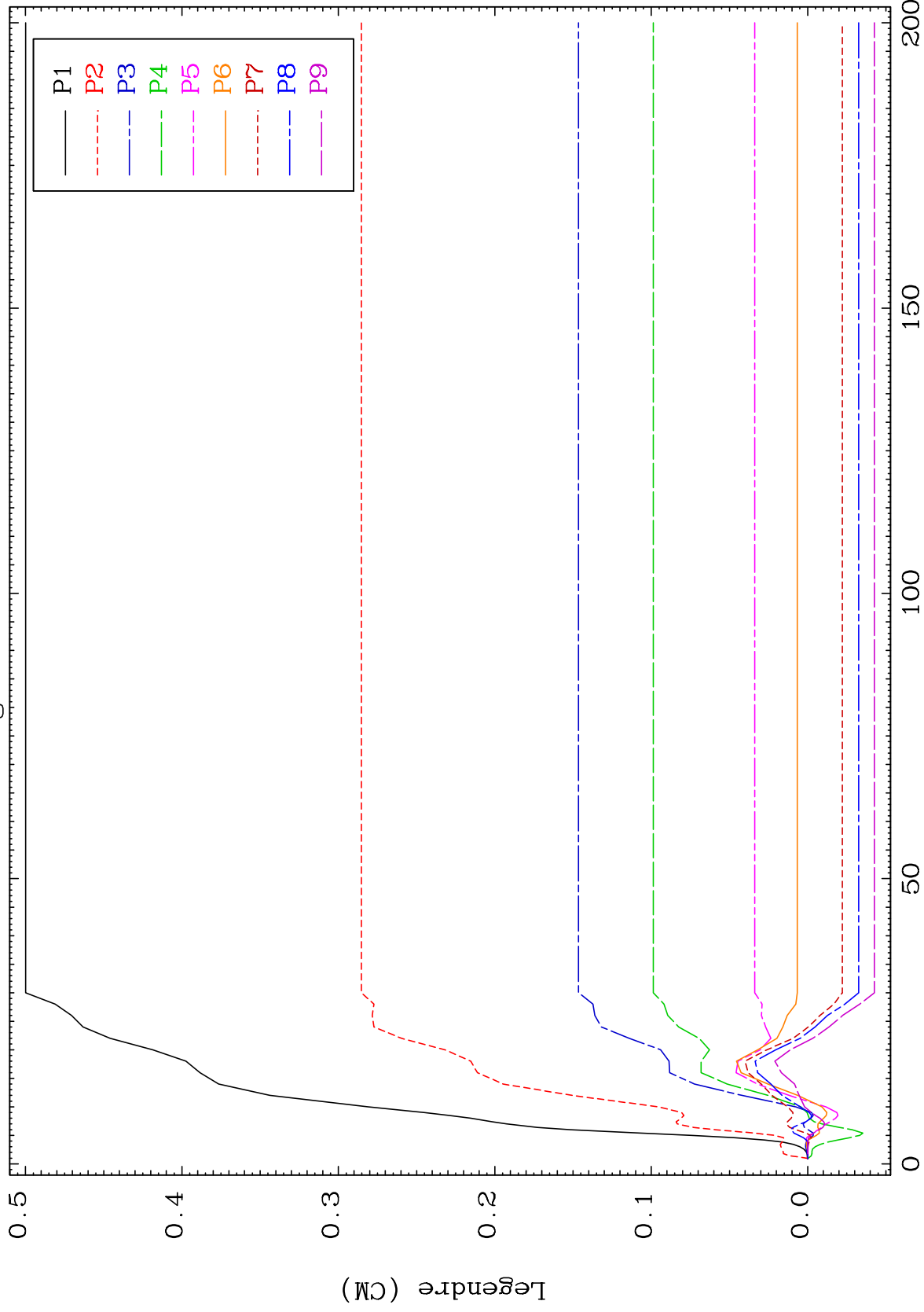
59-Pr-145



MAT 5937

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

59-Pr-145



72

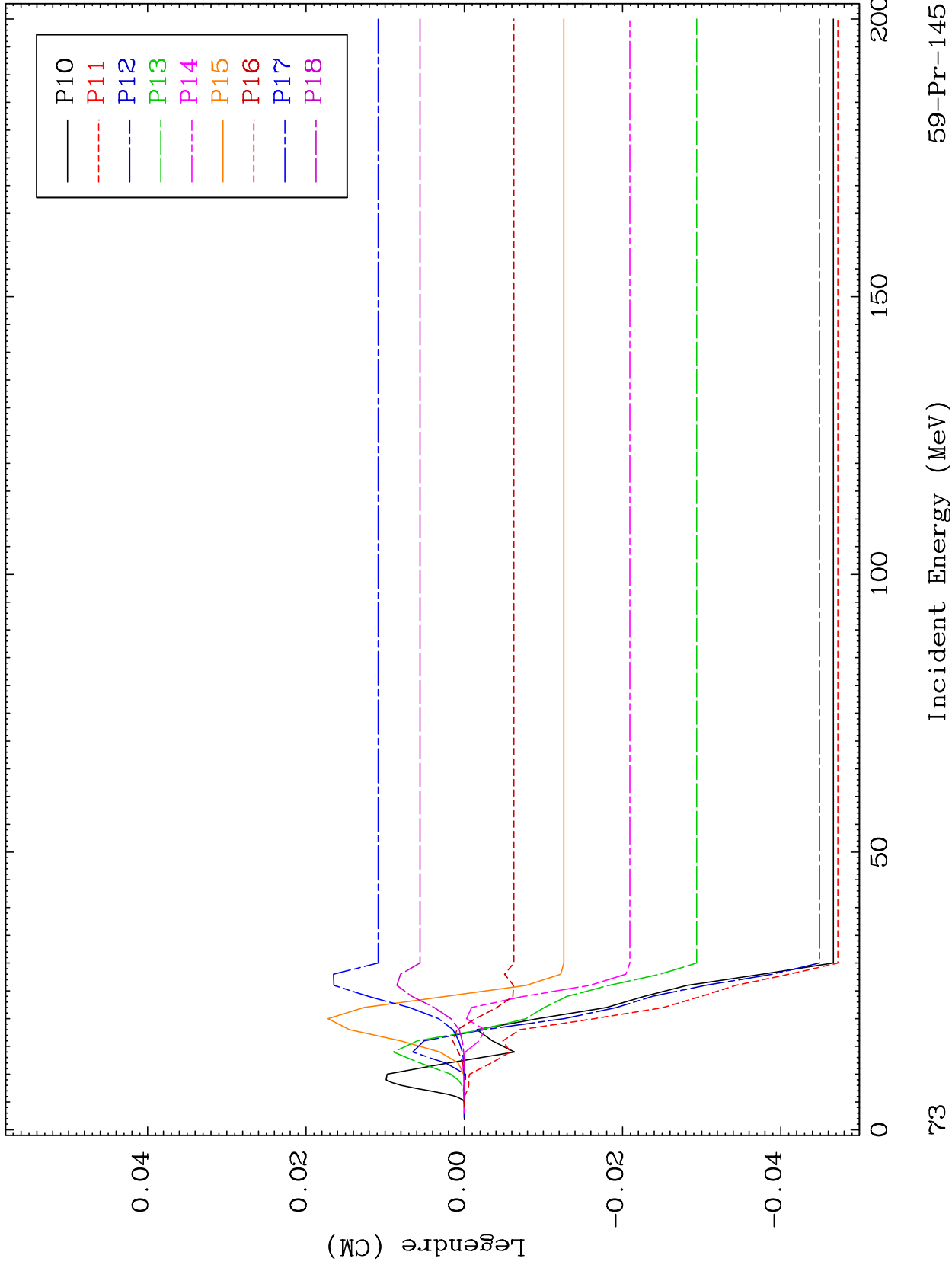
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



73

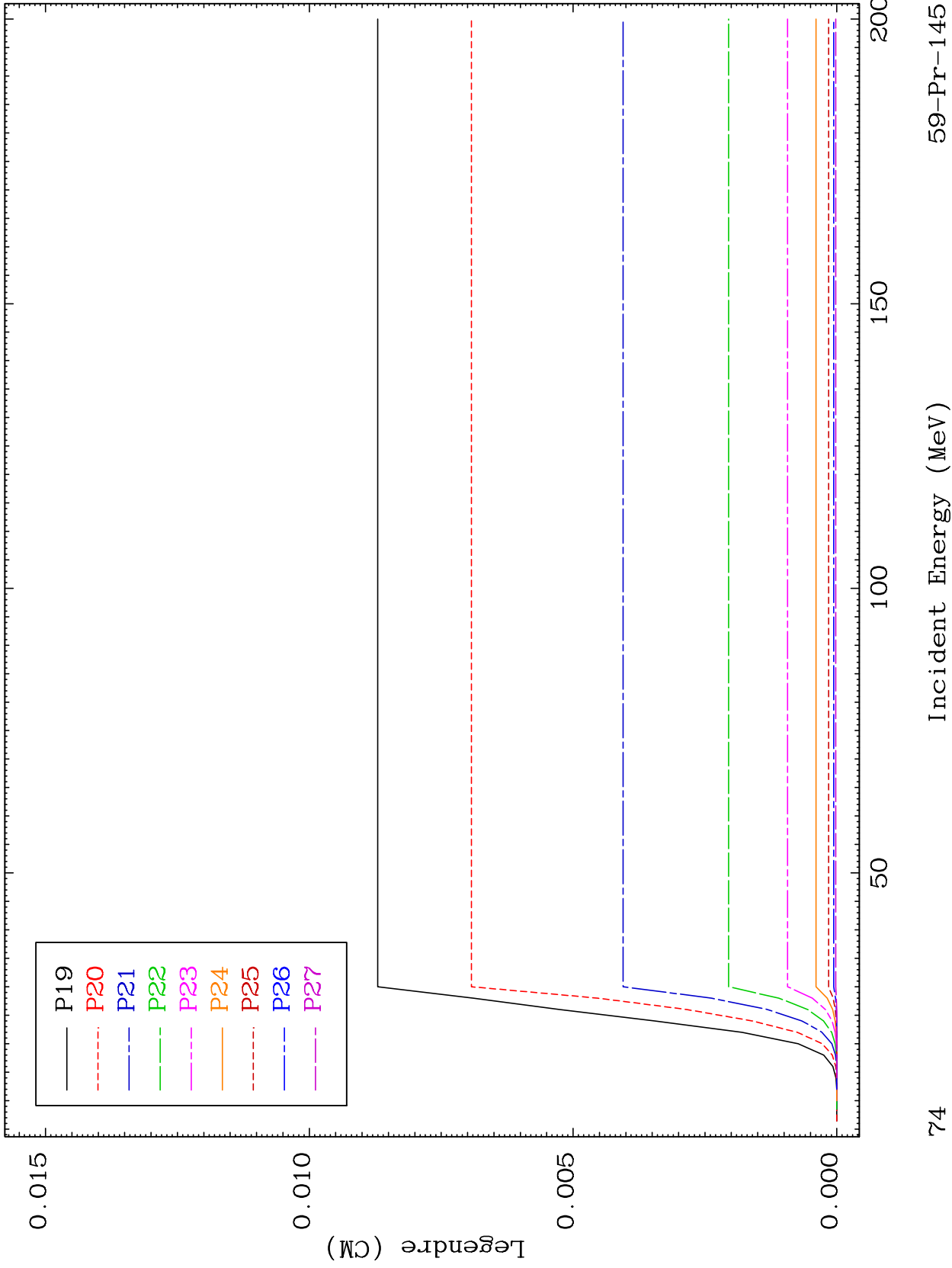
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



74

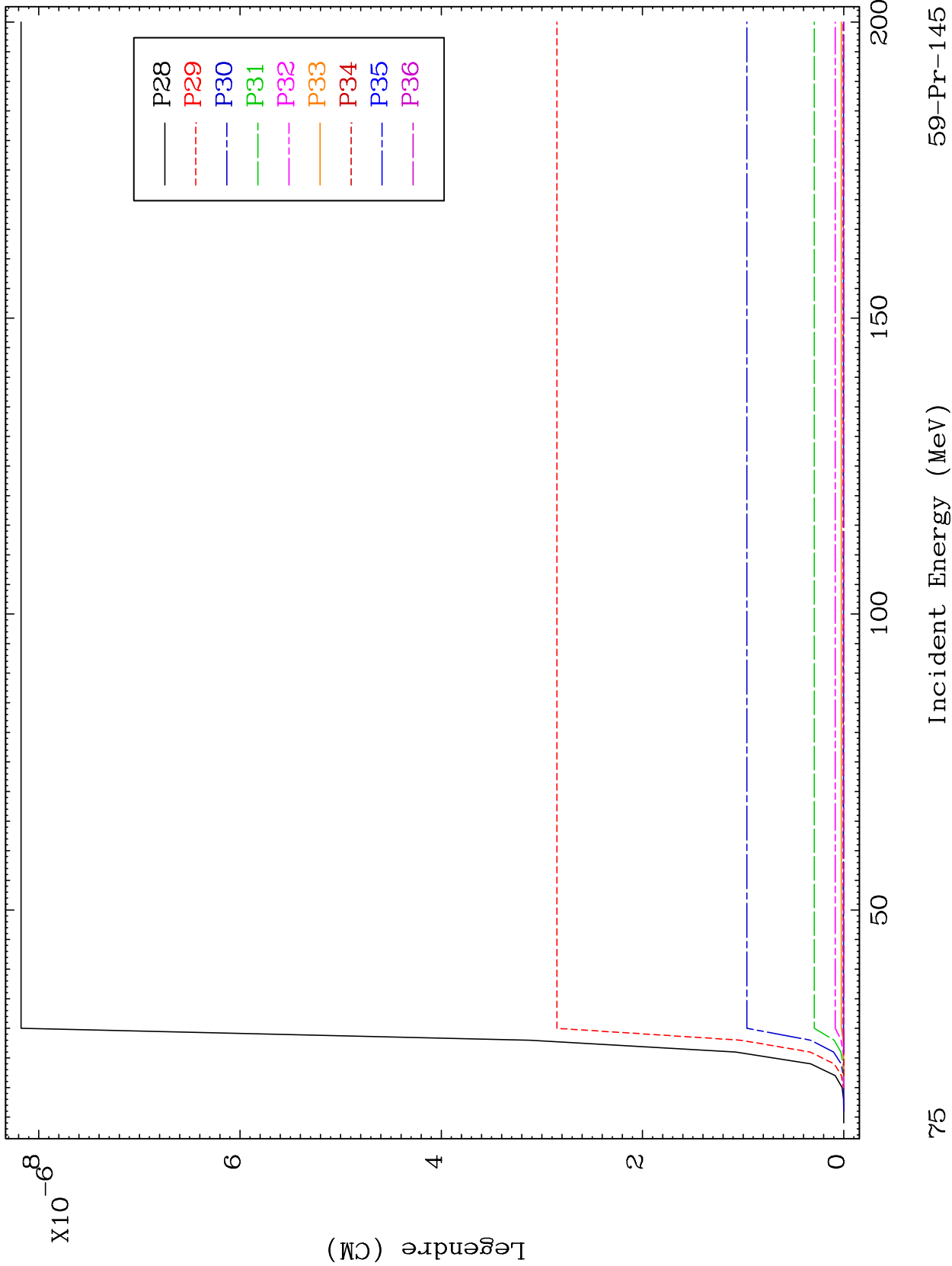
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



75

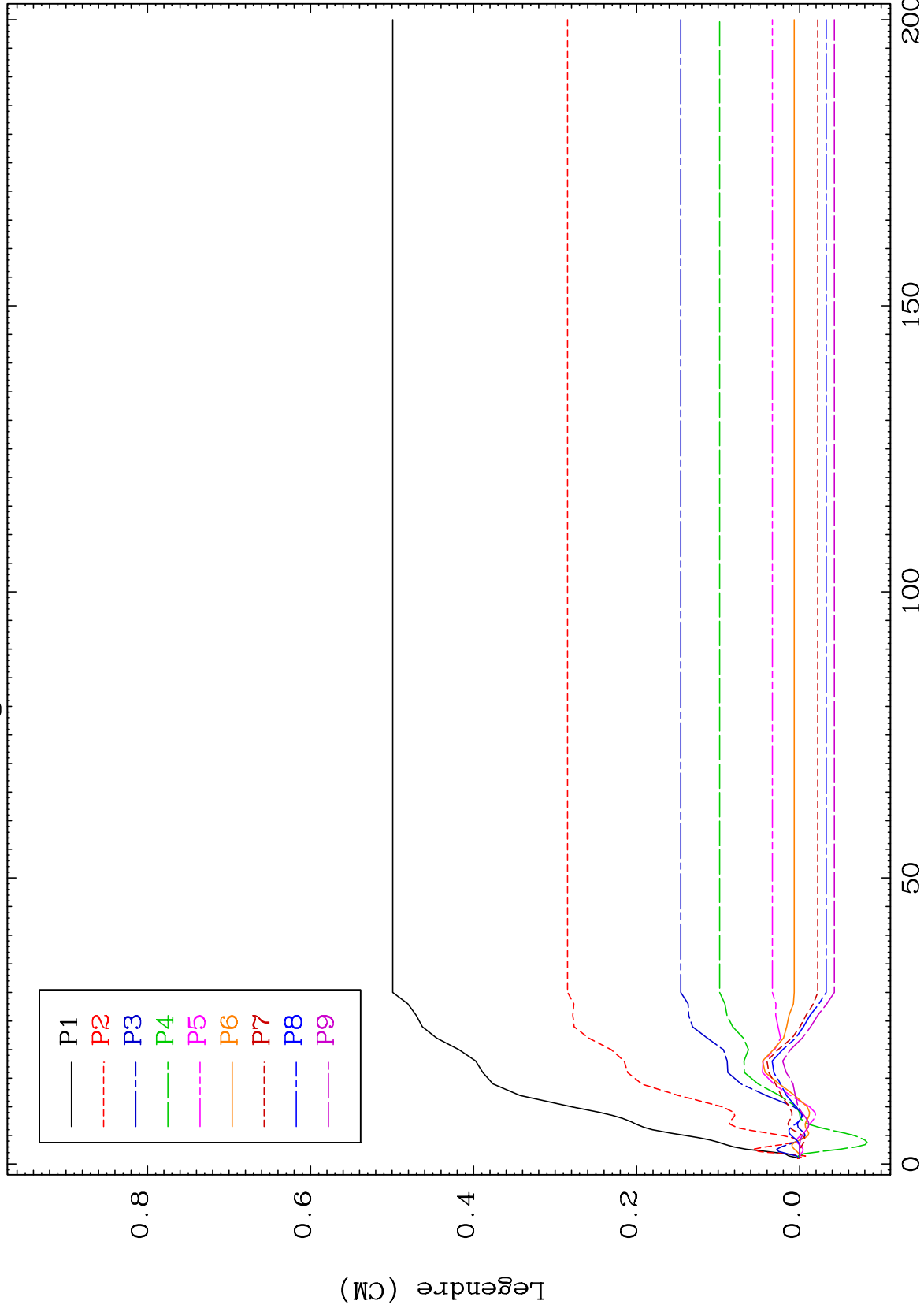
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



76

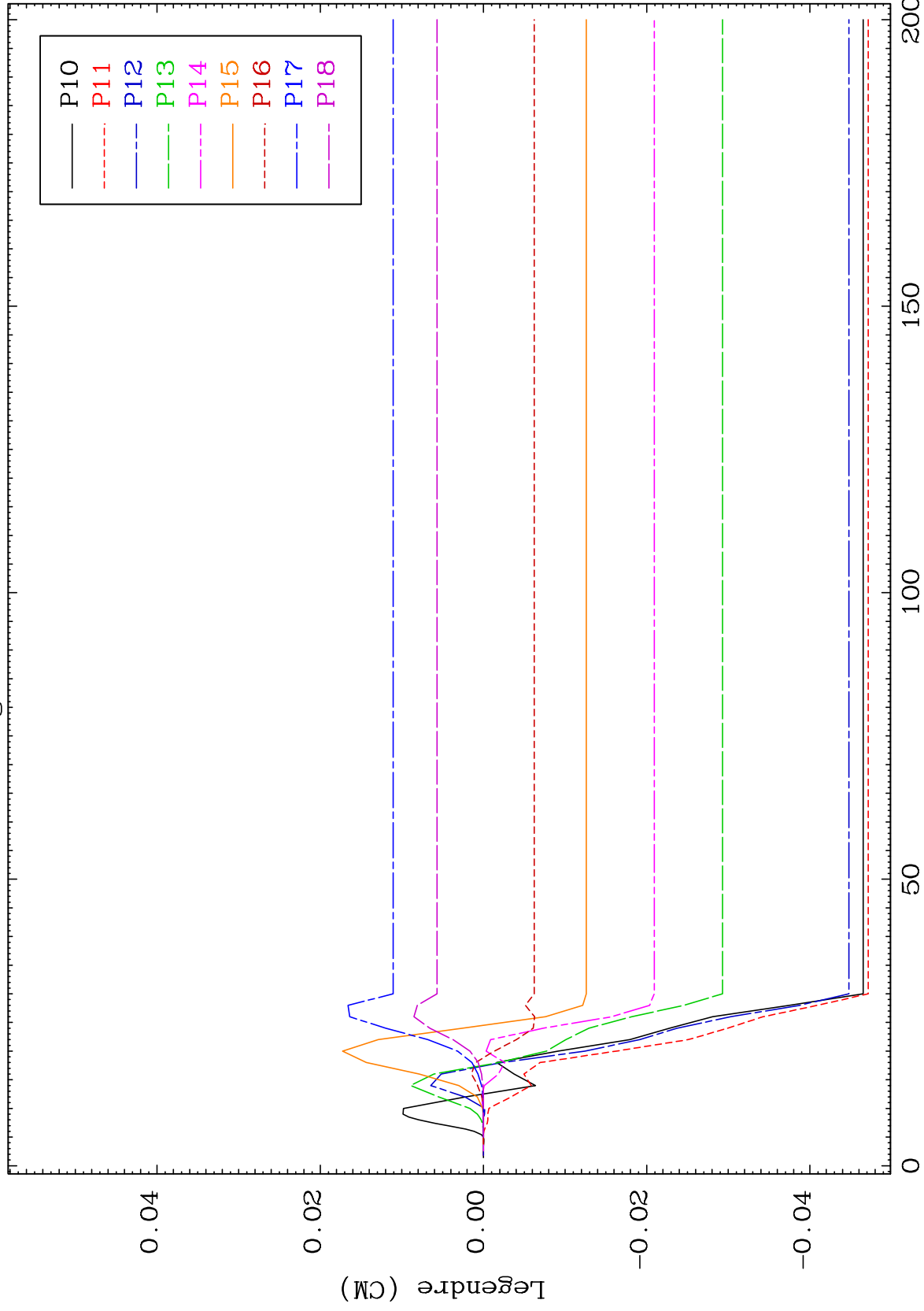
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



77

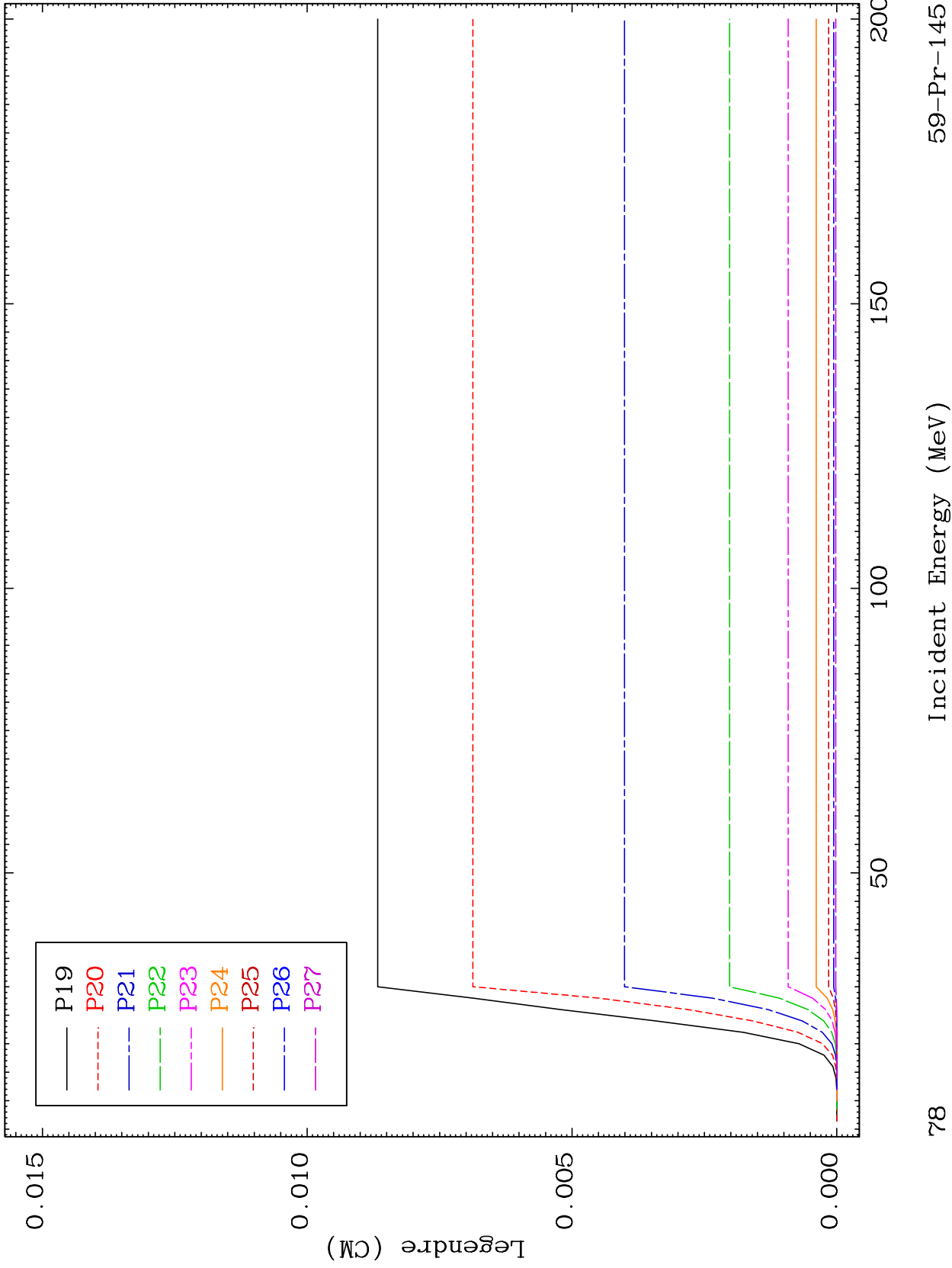
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



78

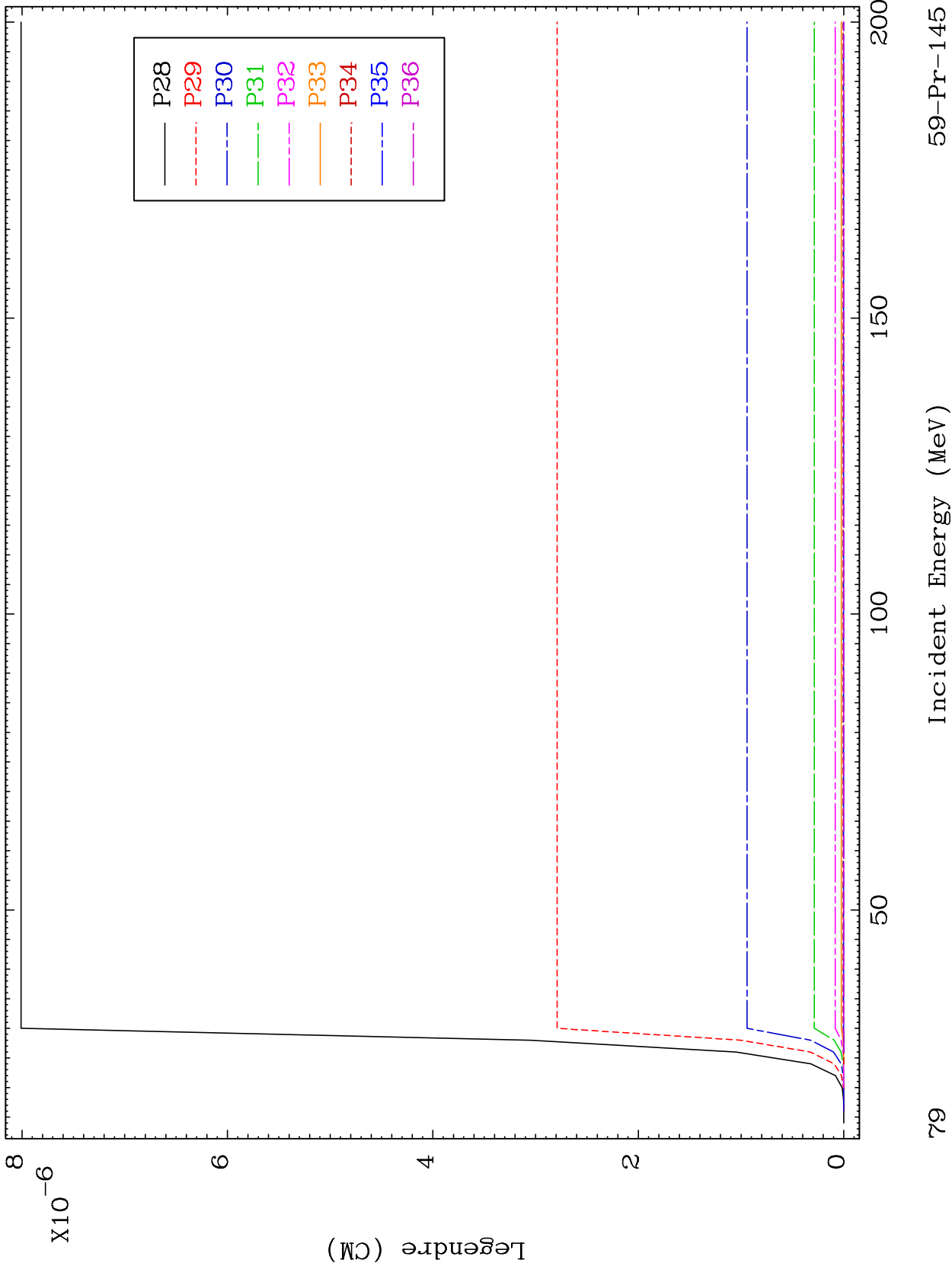
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



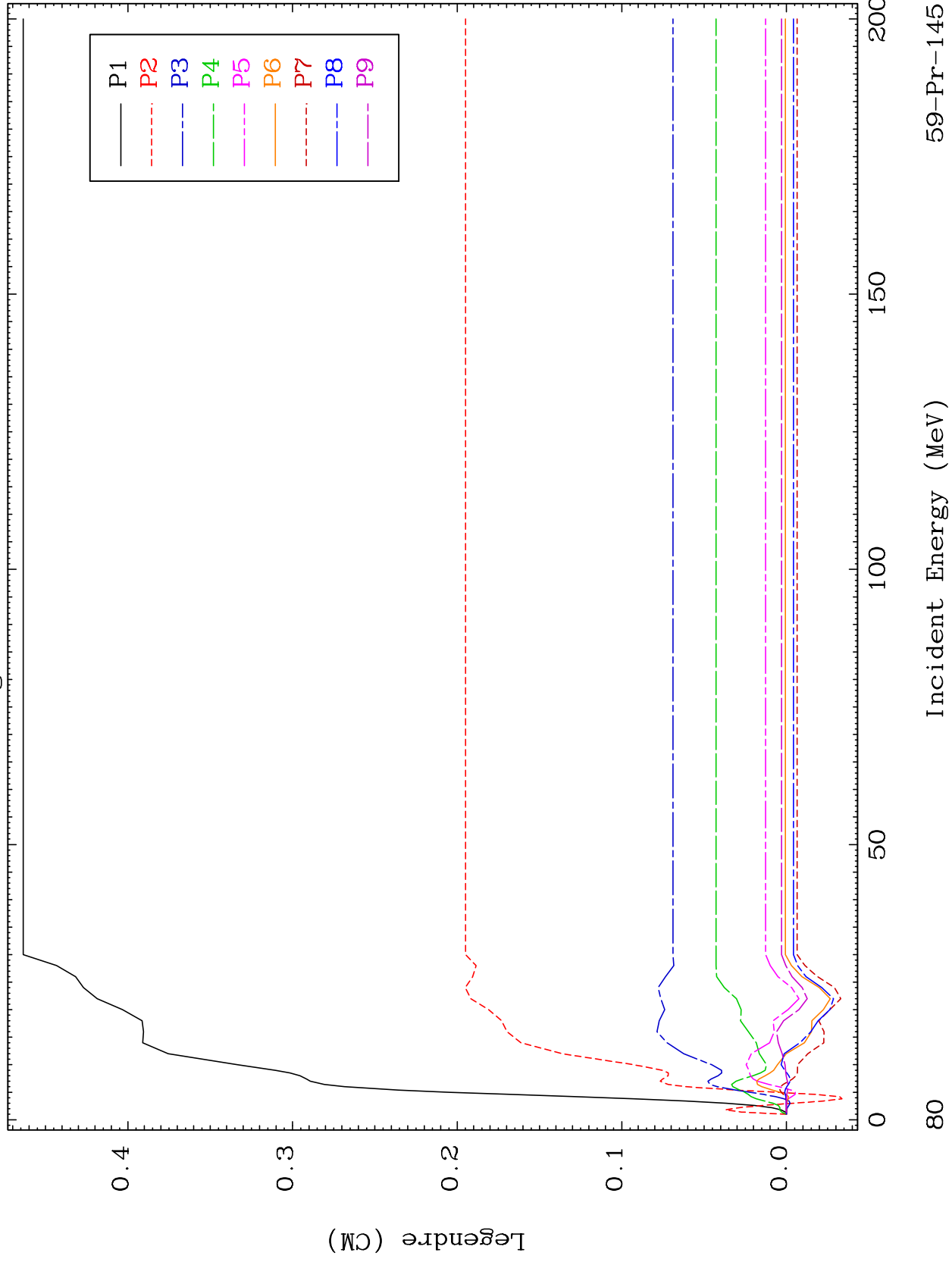
79

59-Pr-145

MAT 5937

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

59-Pr-145

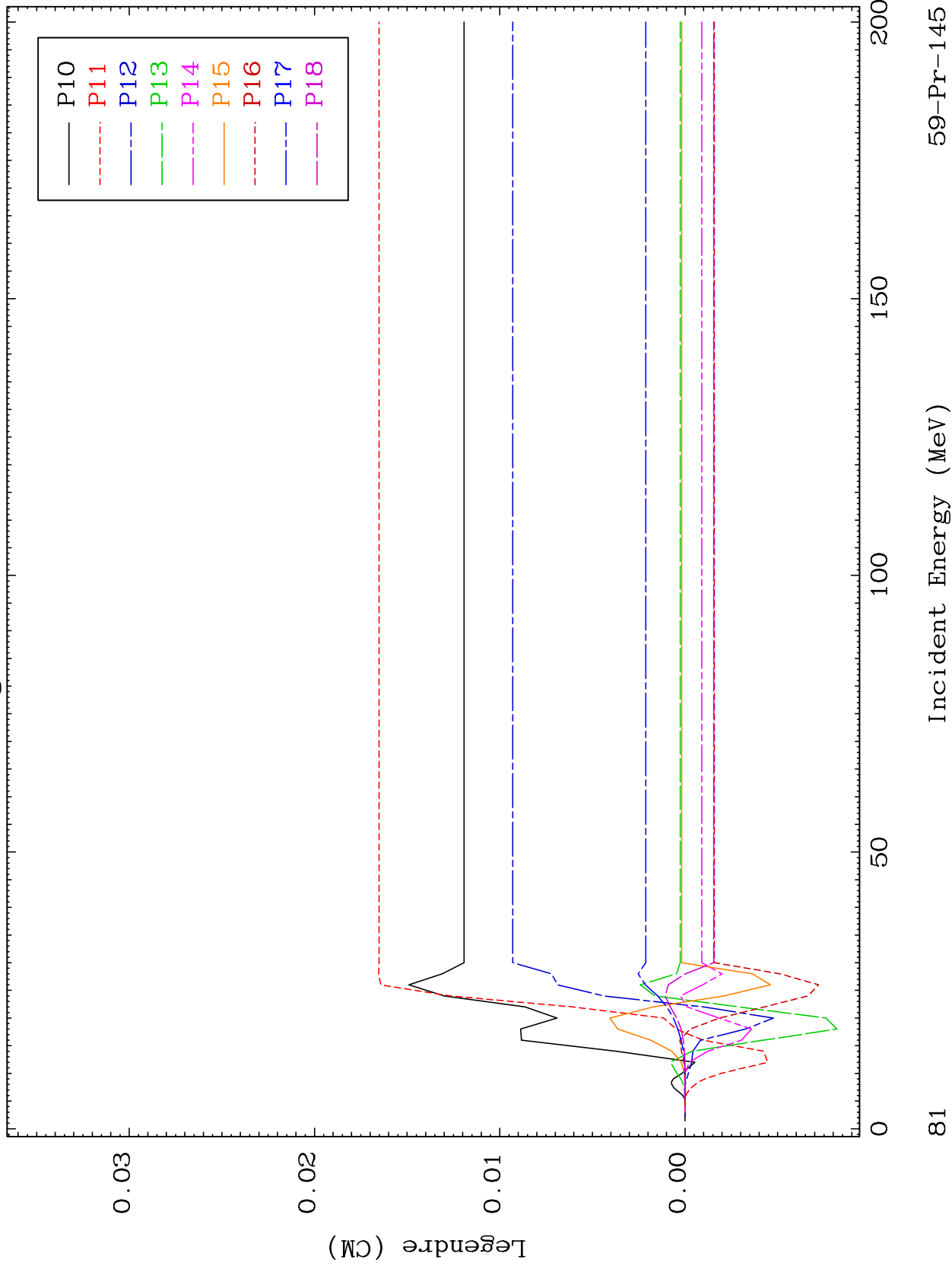


59-Pr-145

MAT 5937

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

59-Pr-145



81

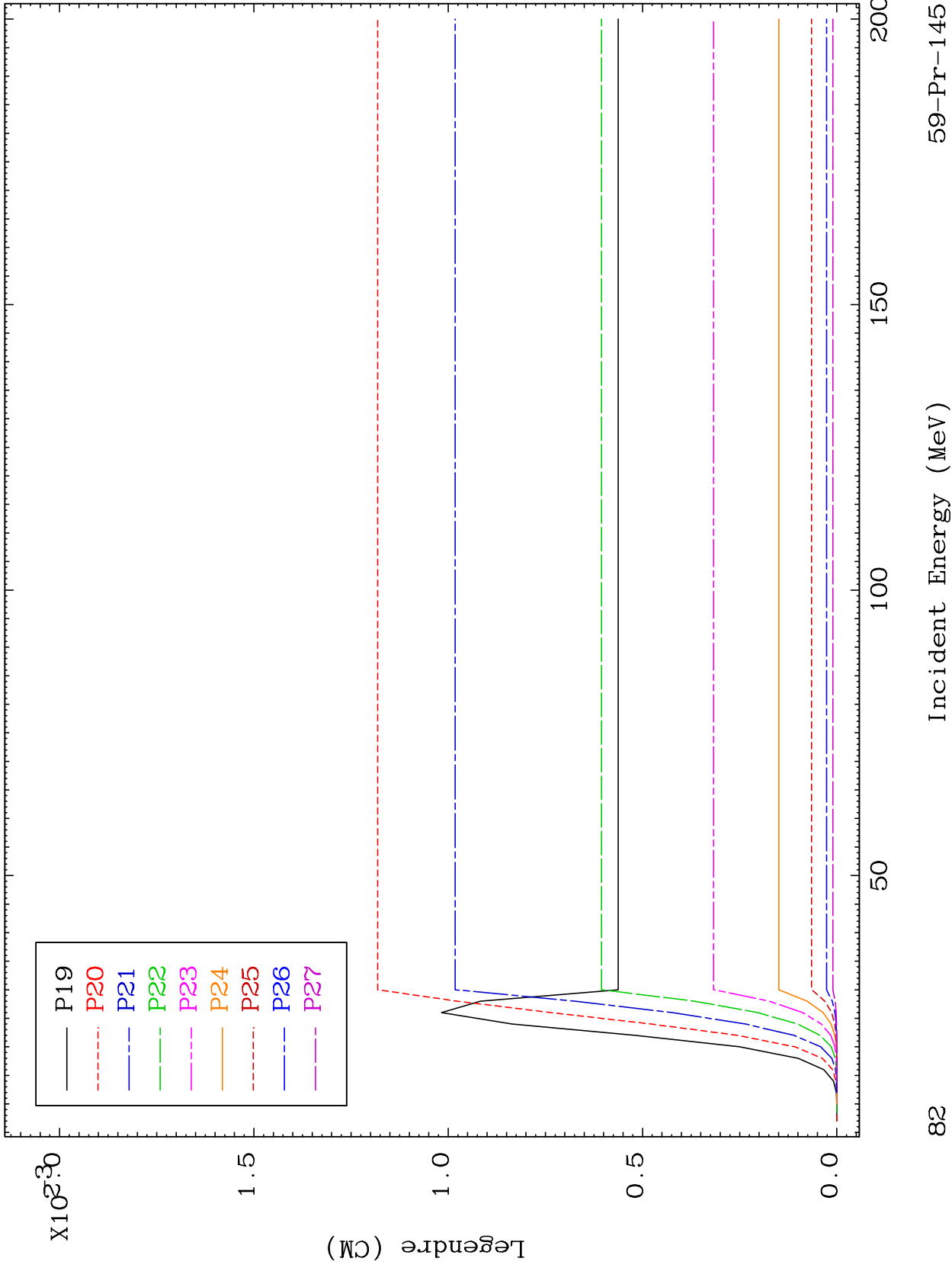
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

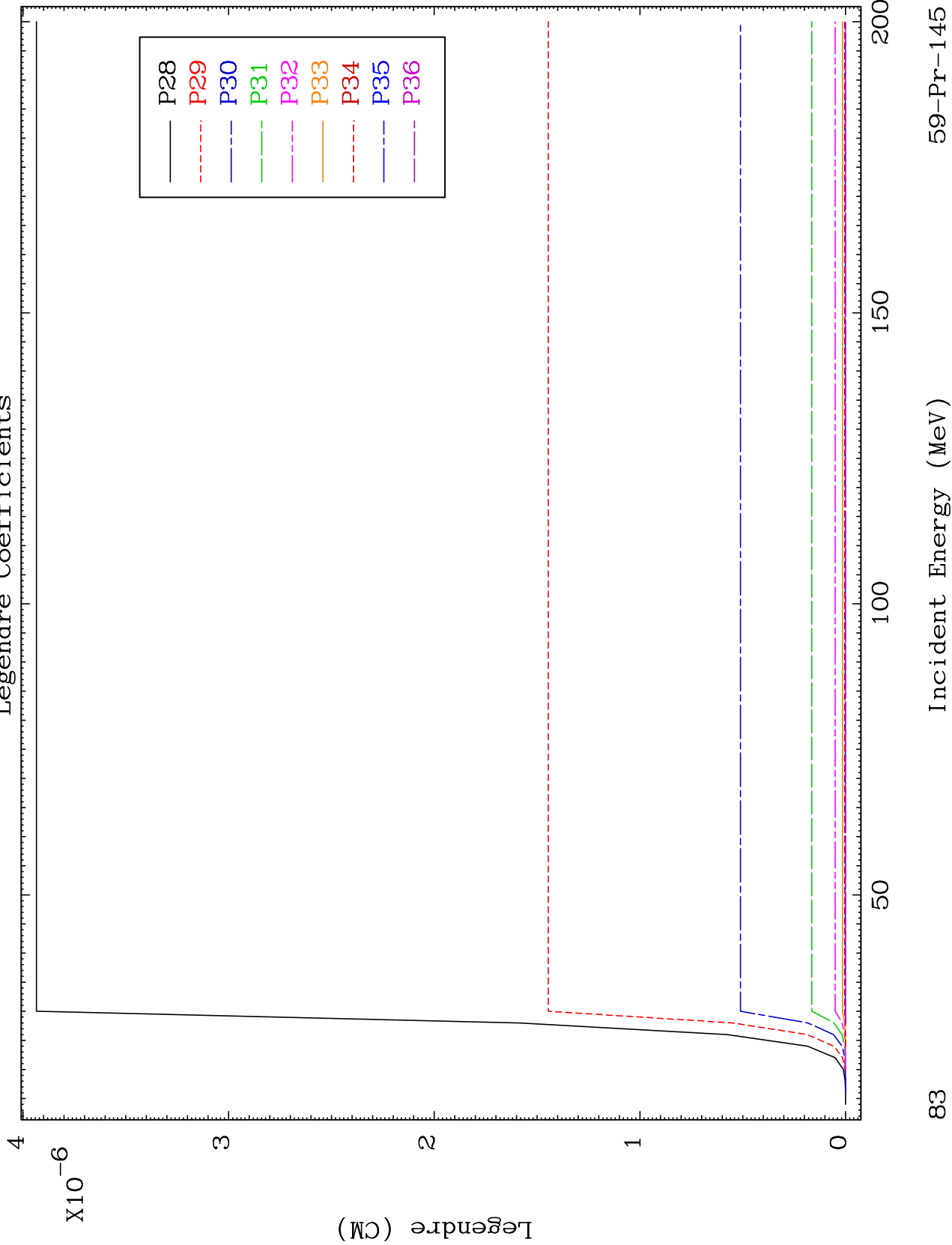
59-Pr-145



MAT 5937

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

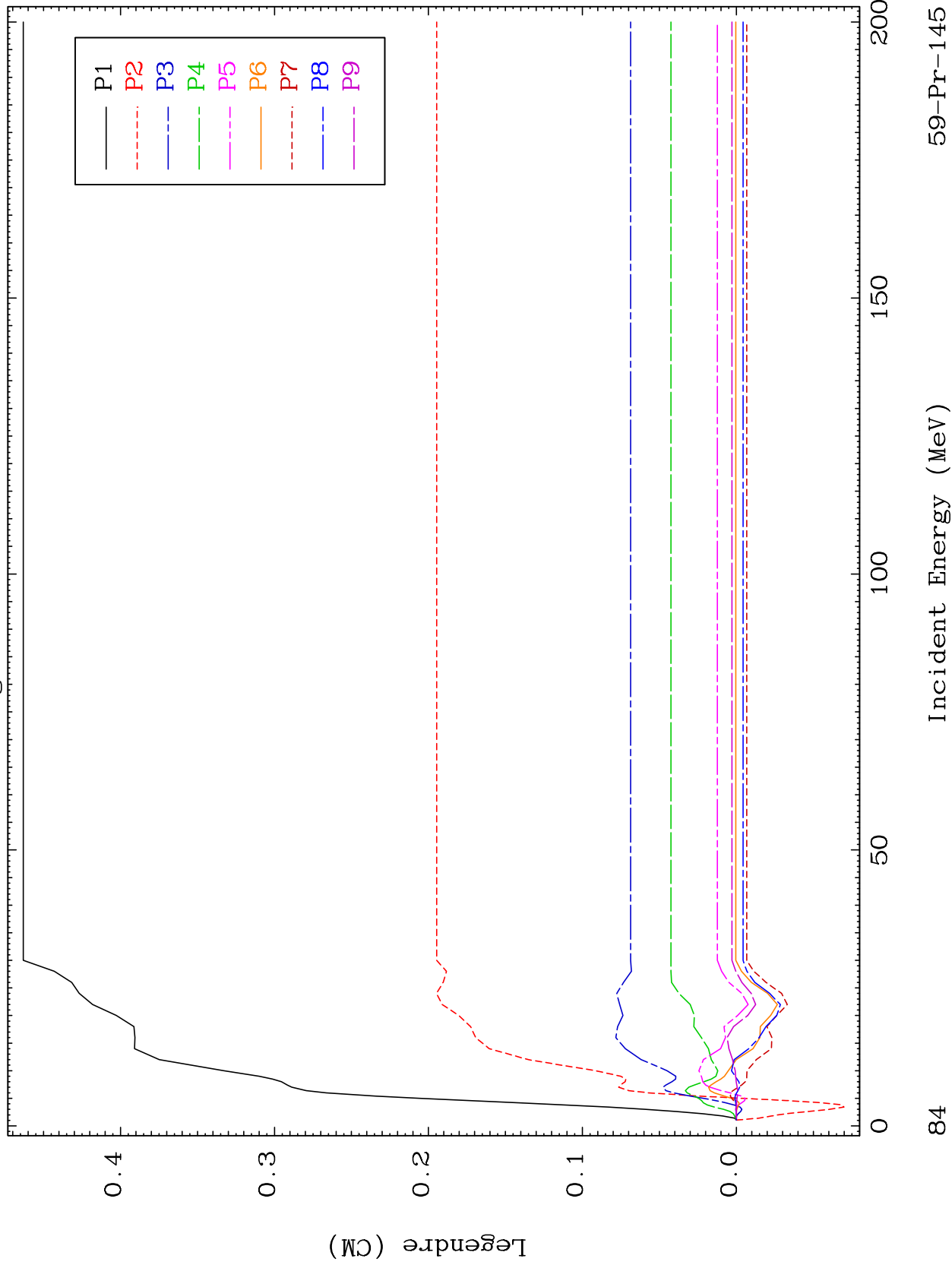
59-Pr-145



MAT 5937

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

59-Pr-145



59-Pr-145

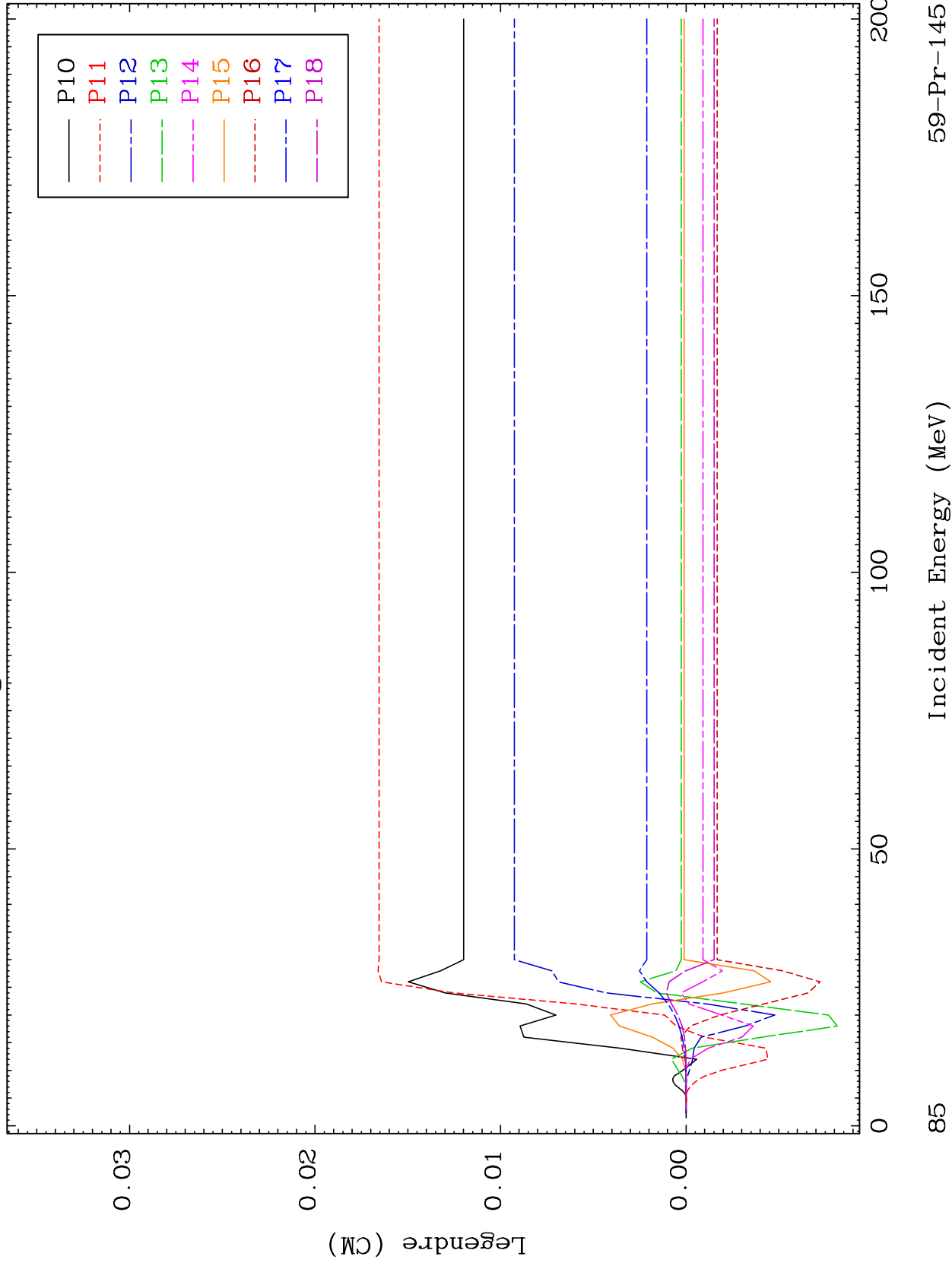
Incident Energy (MeV)

84

MAT 5937

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

59-Pr-145



59-Pr-145

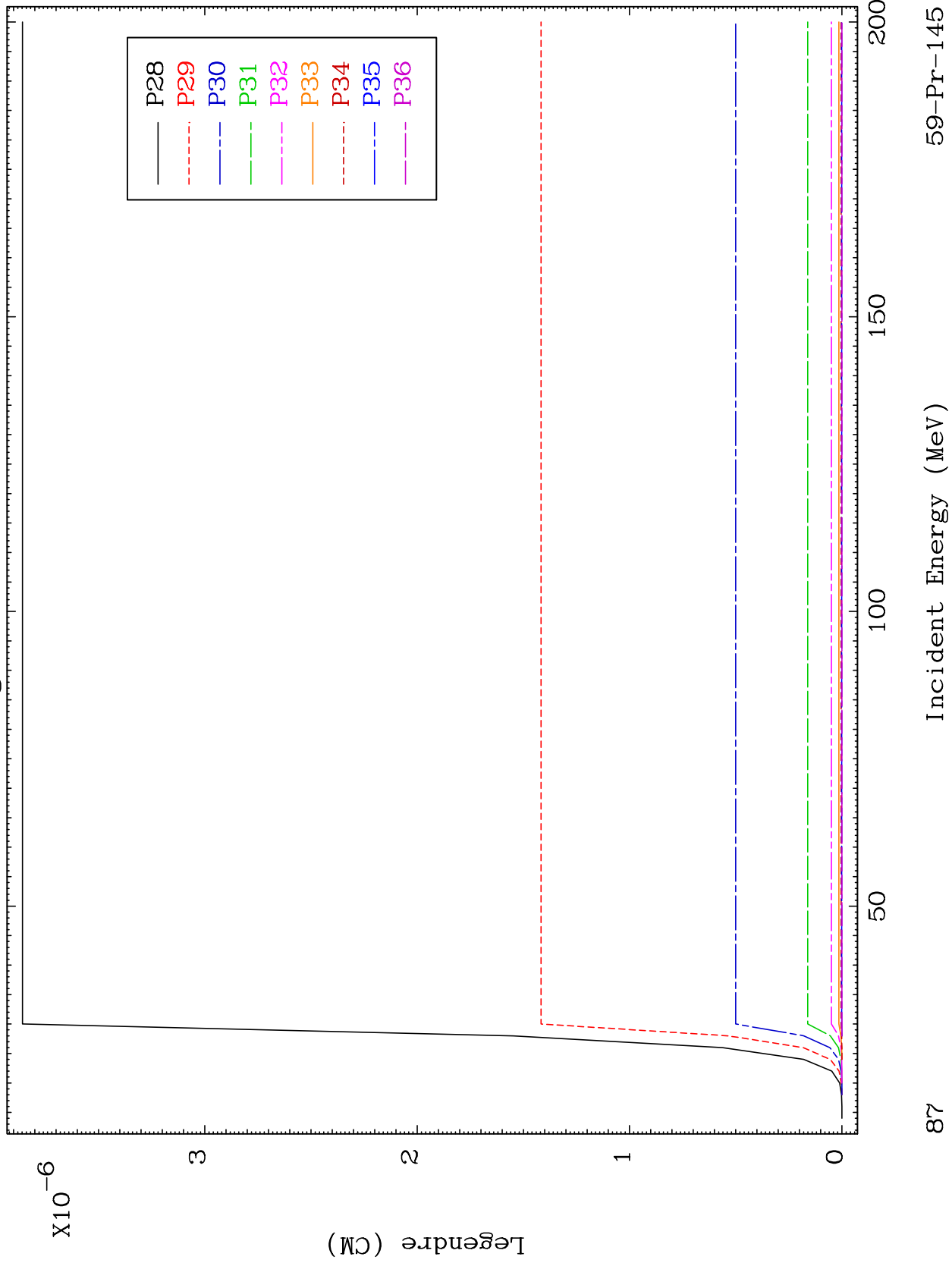
Incident Energy (MeV)

85

MAT 5937

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

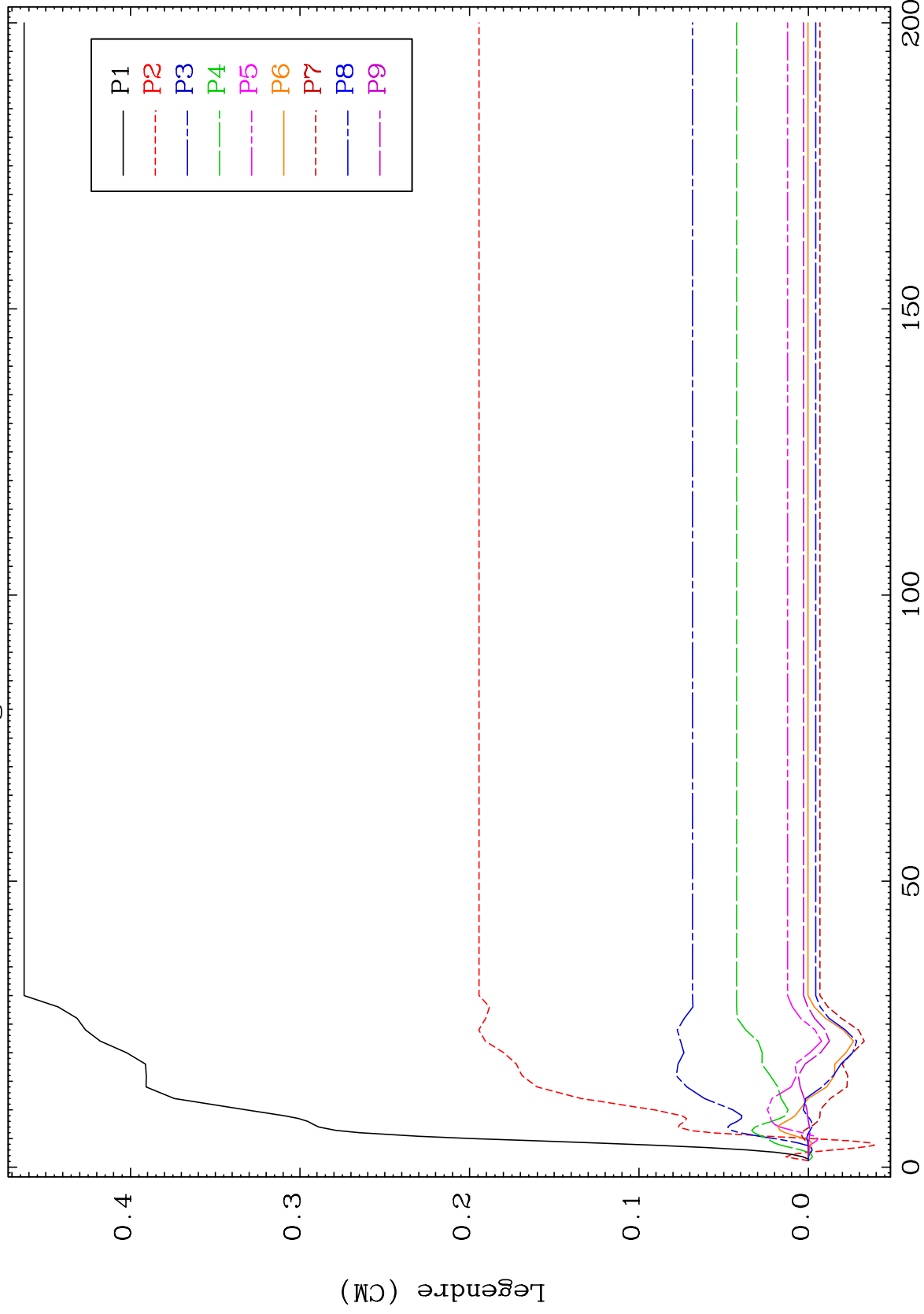
59-Pr-145



MAT 5937

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

59-Pr-145



88

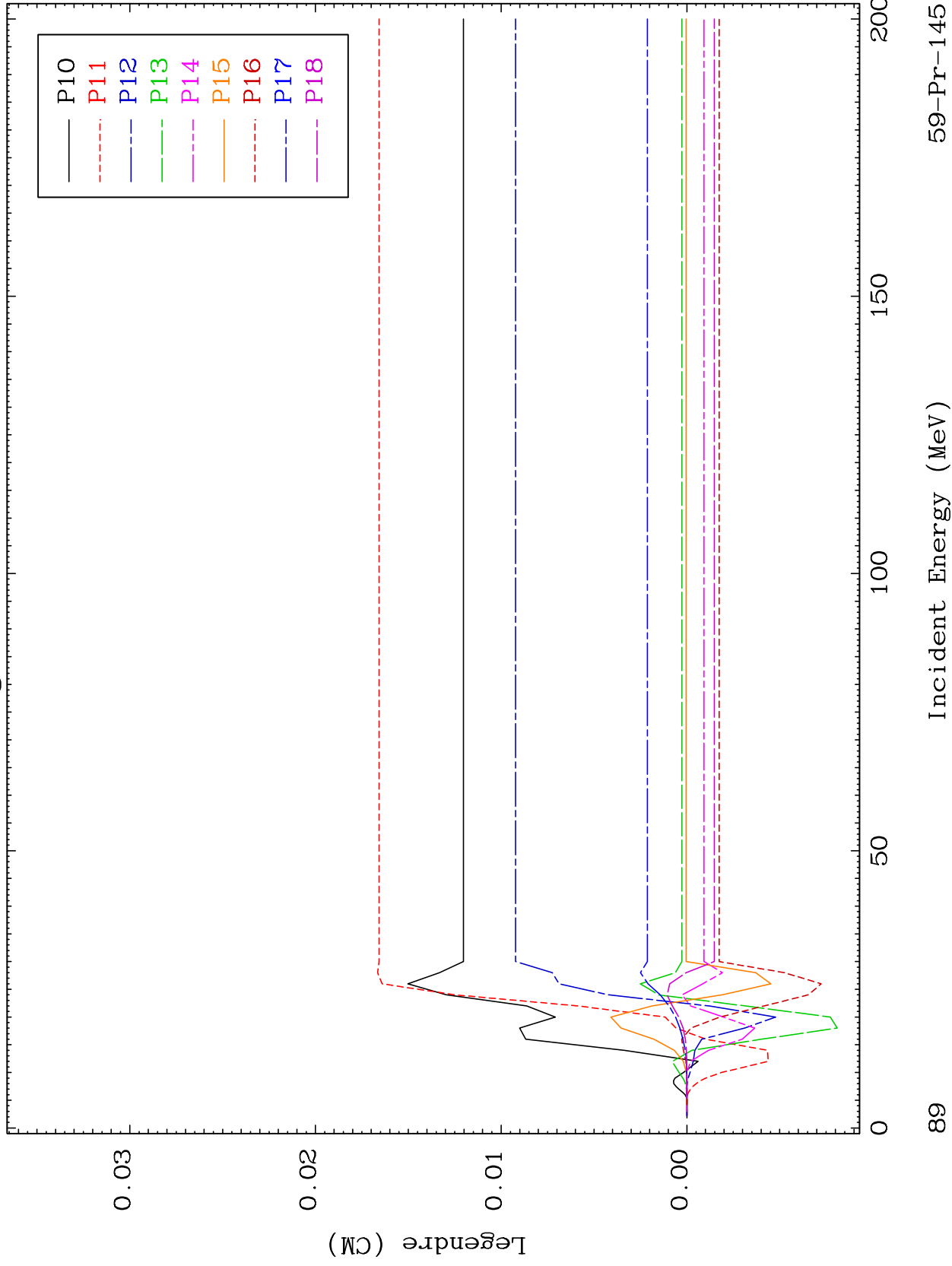
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



59-Pr-145

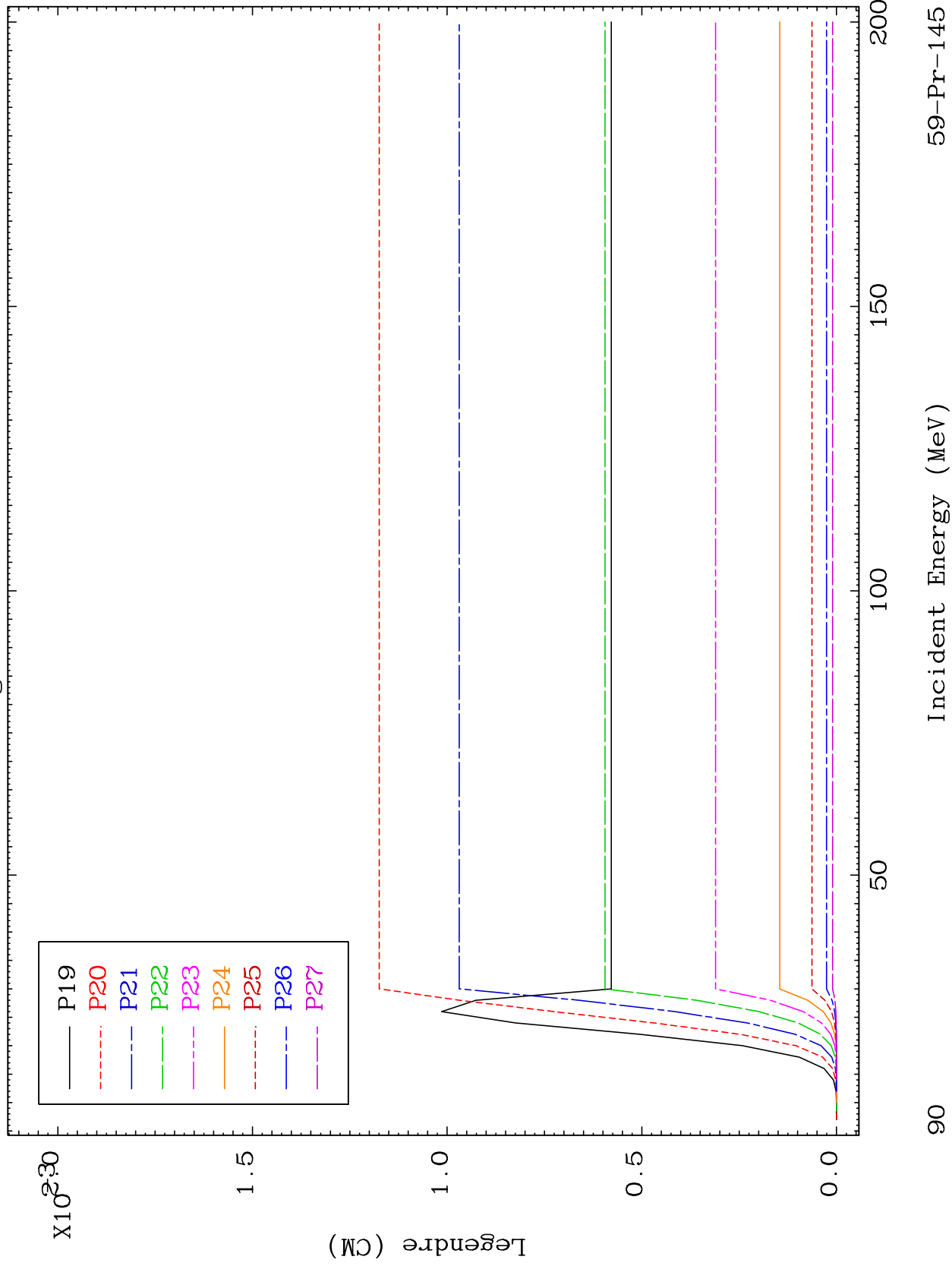
Incident Energy (MeV)

89

MAT 5937

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

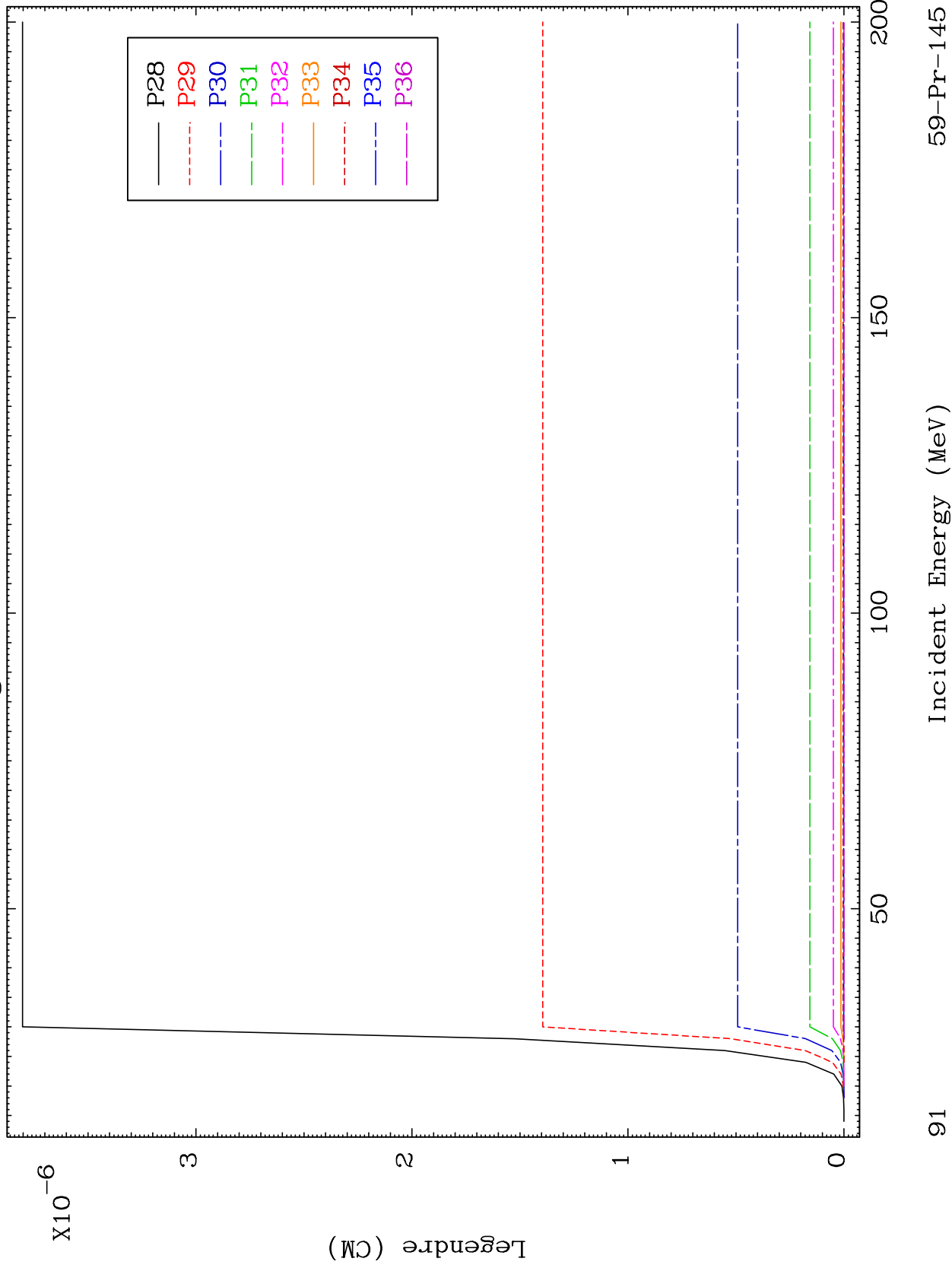
59-Pr-145



MAT 5937

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

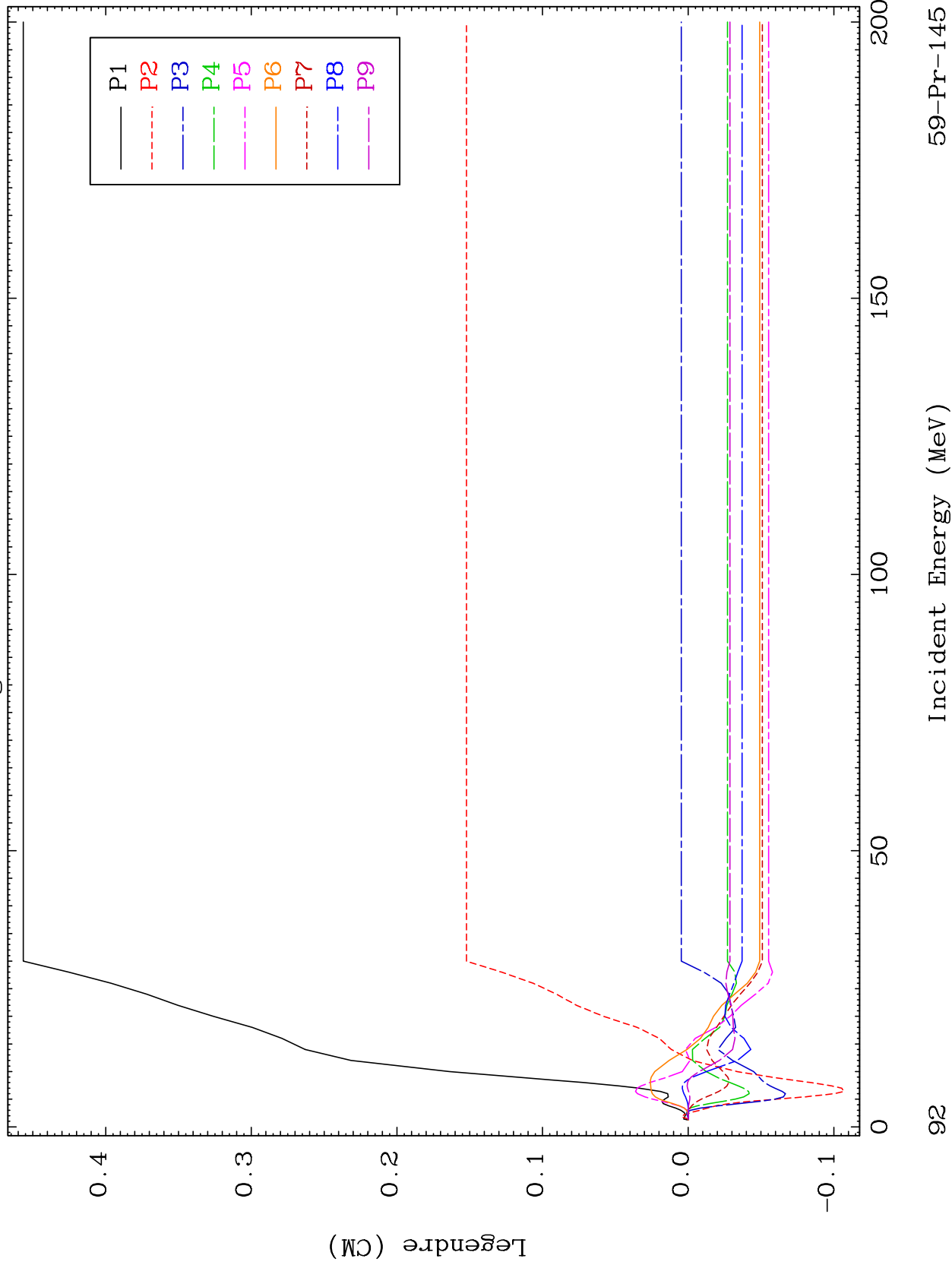
59-Pr-145



MAT 5937

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

59-Pr-145



59-Pr-145

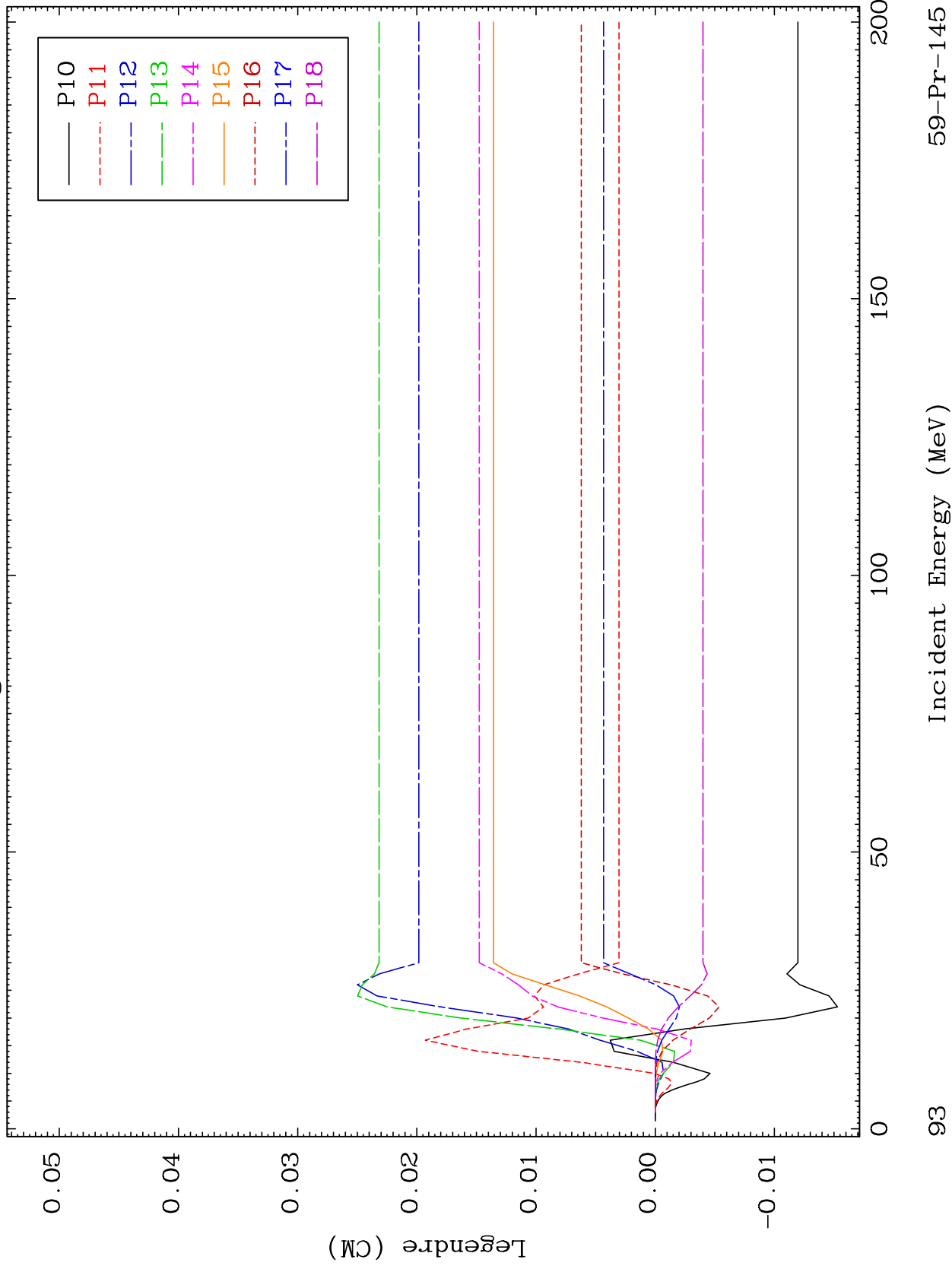
Incident Energy (MeV)

92

MAT 5937

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

59-Pr-145



93

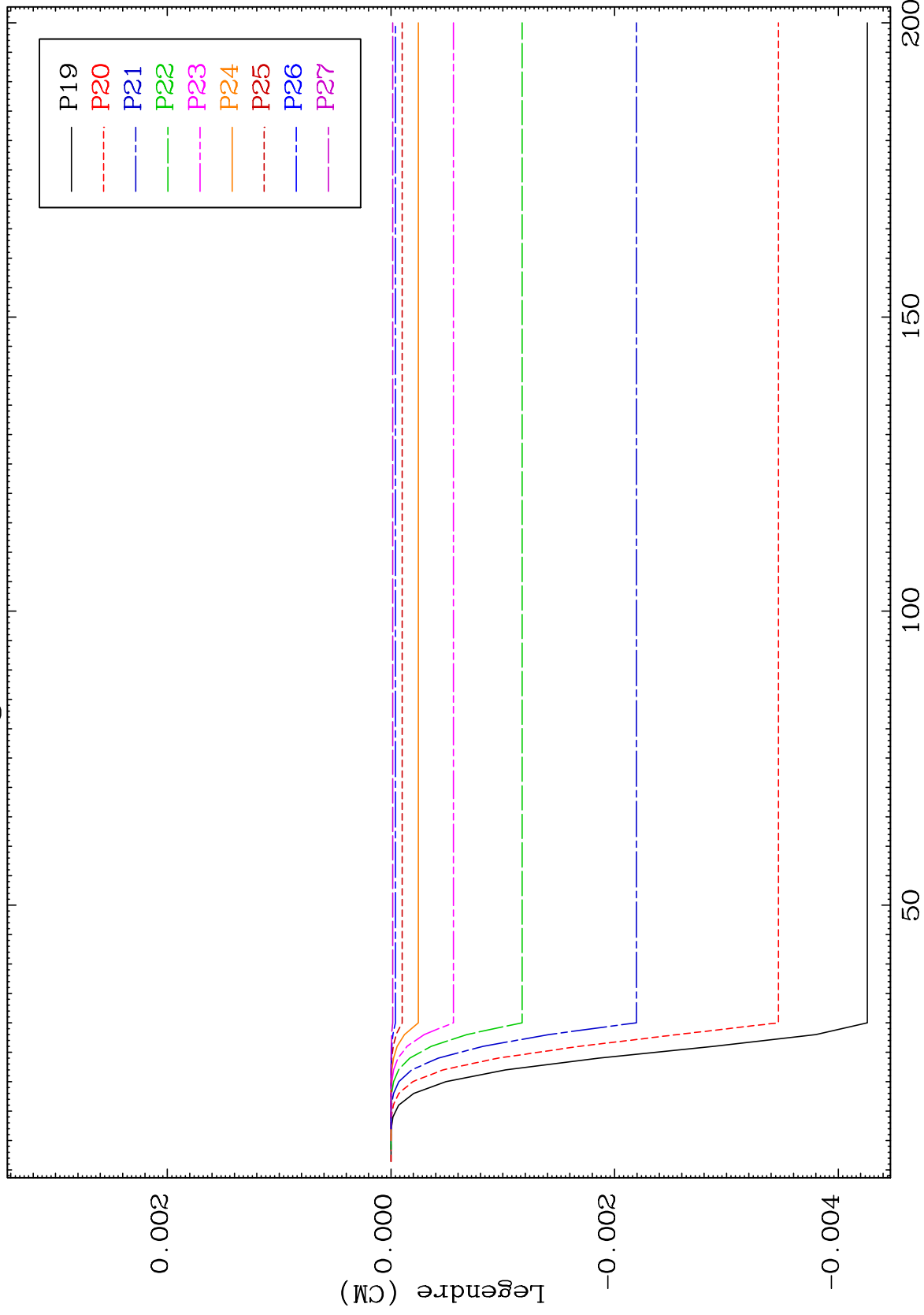
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

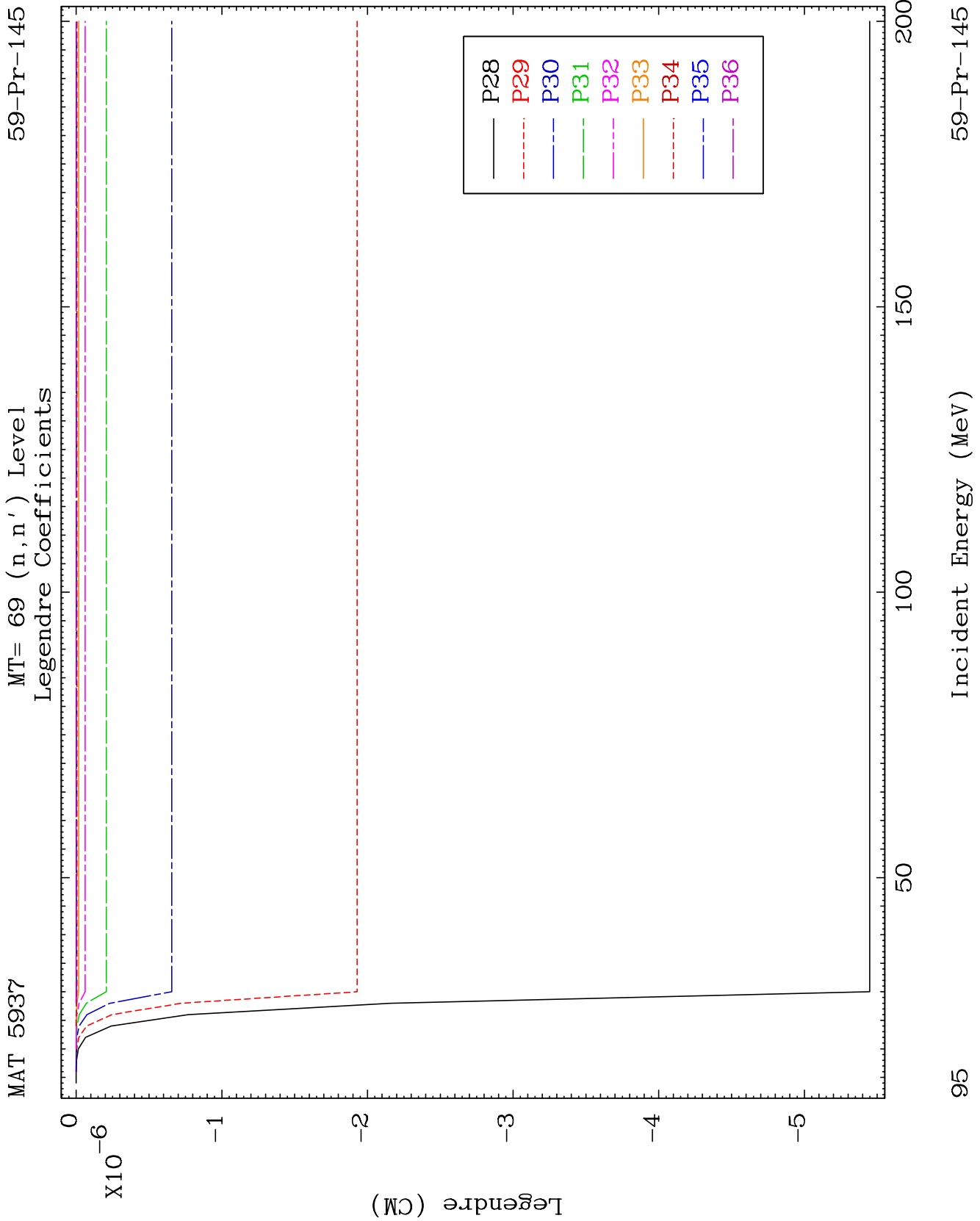
59-Pr-145



94

Incident Energy (MeV)

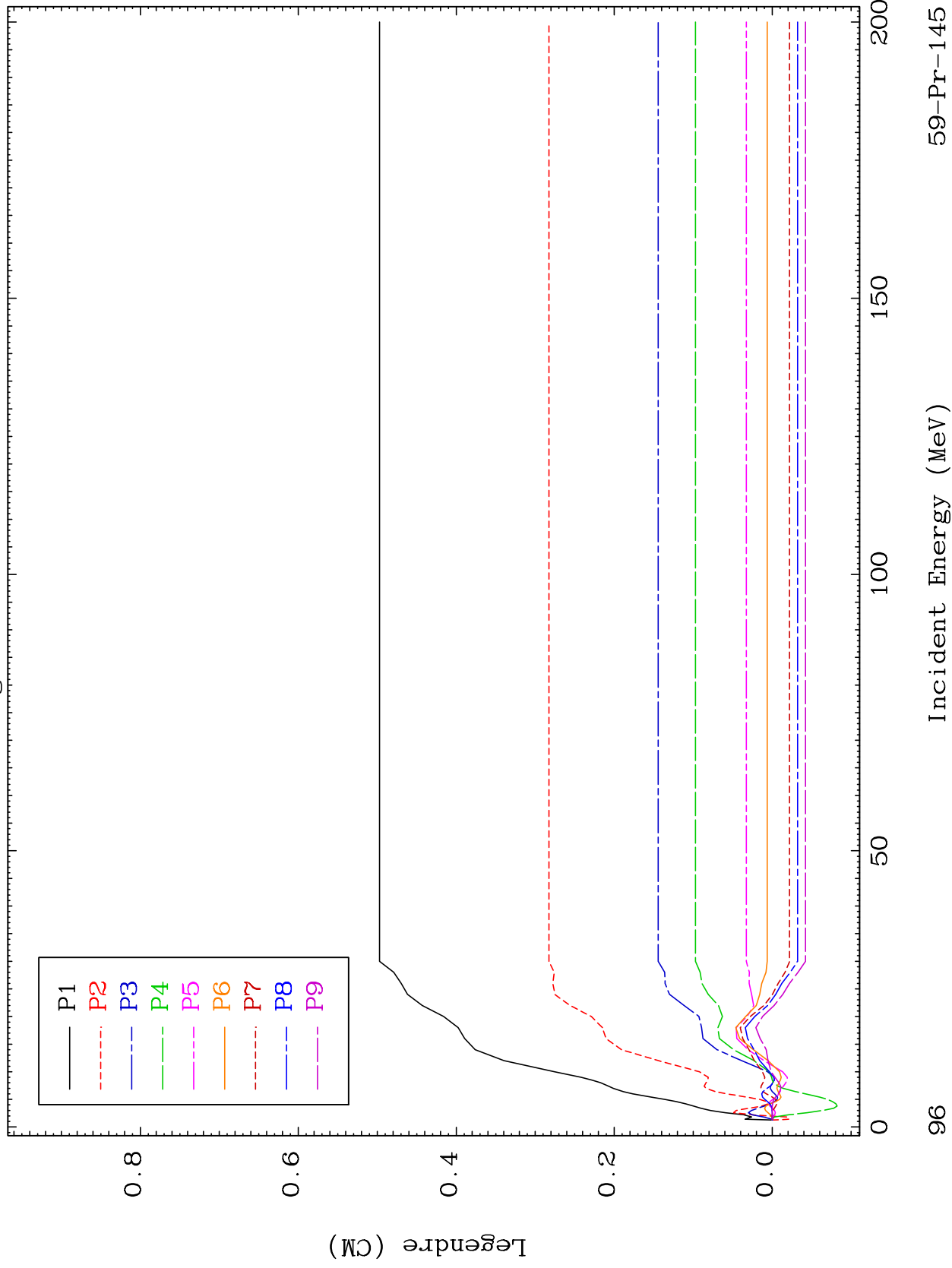
59-Pr-145



MAT 5937

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

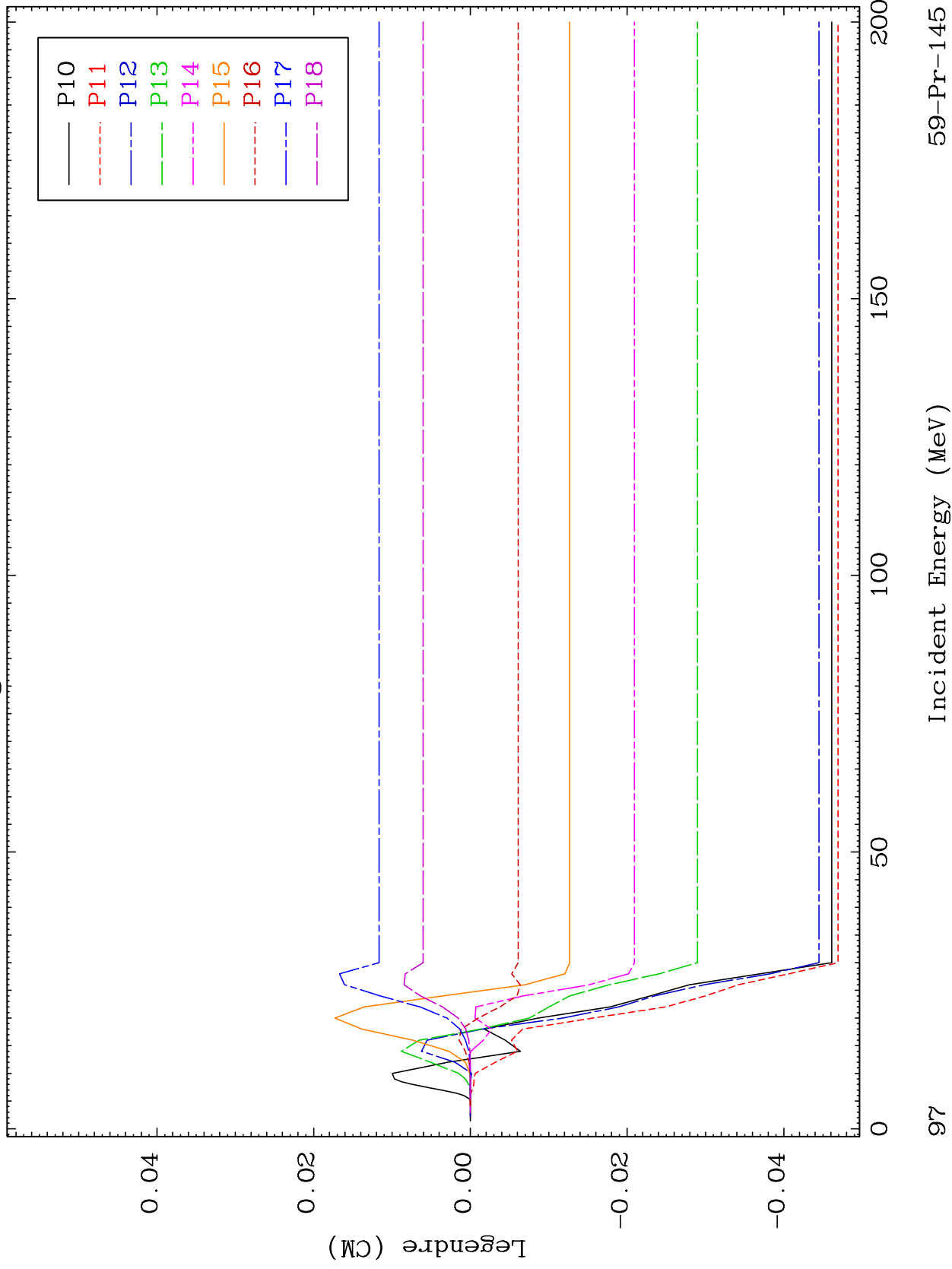
59-Pr-145



MAT 5937

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

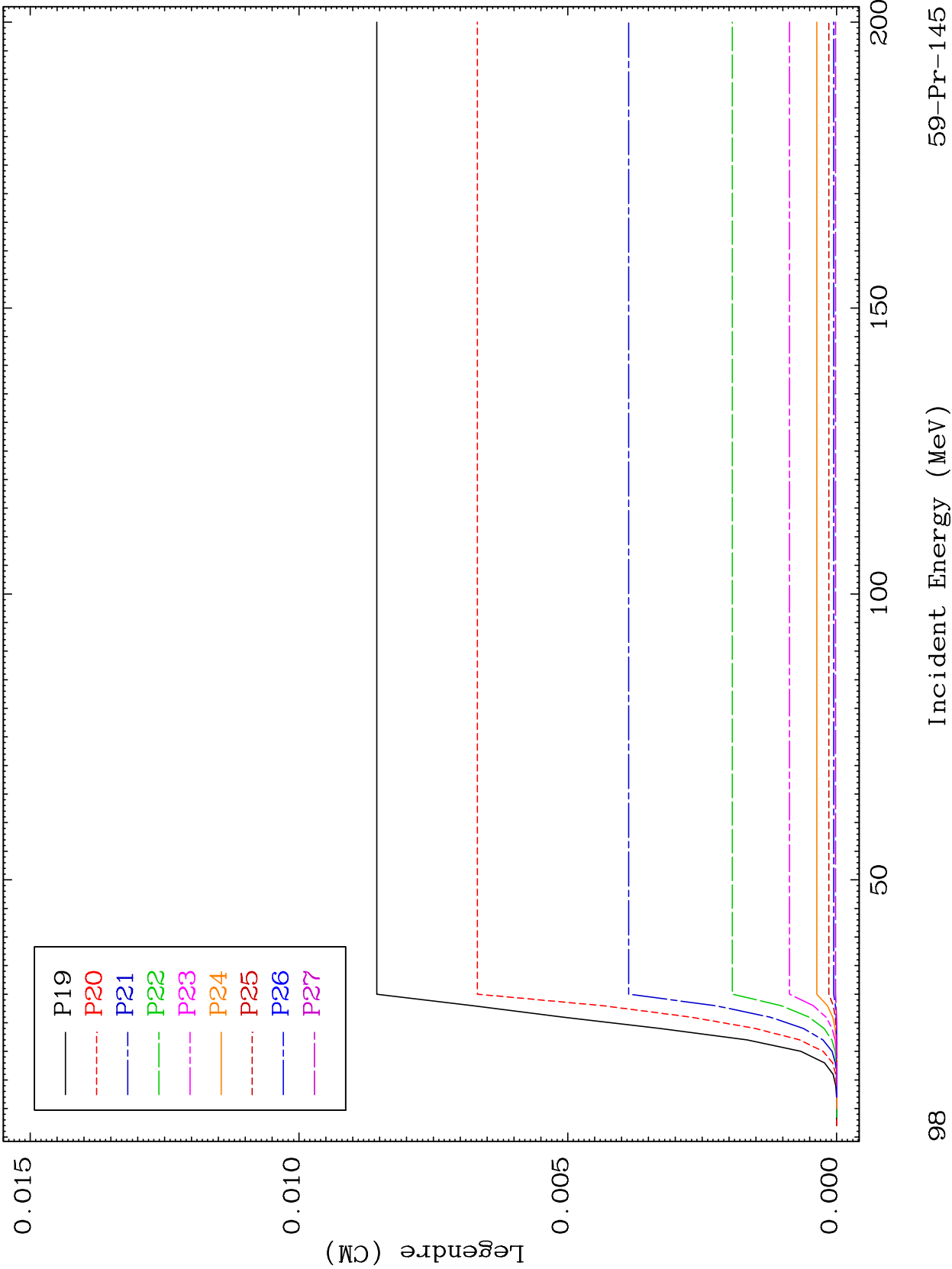
59-Pr-145



97

Incident Energy (MeV)

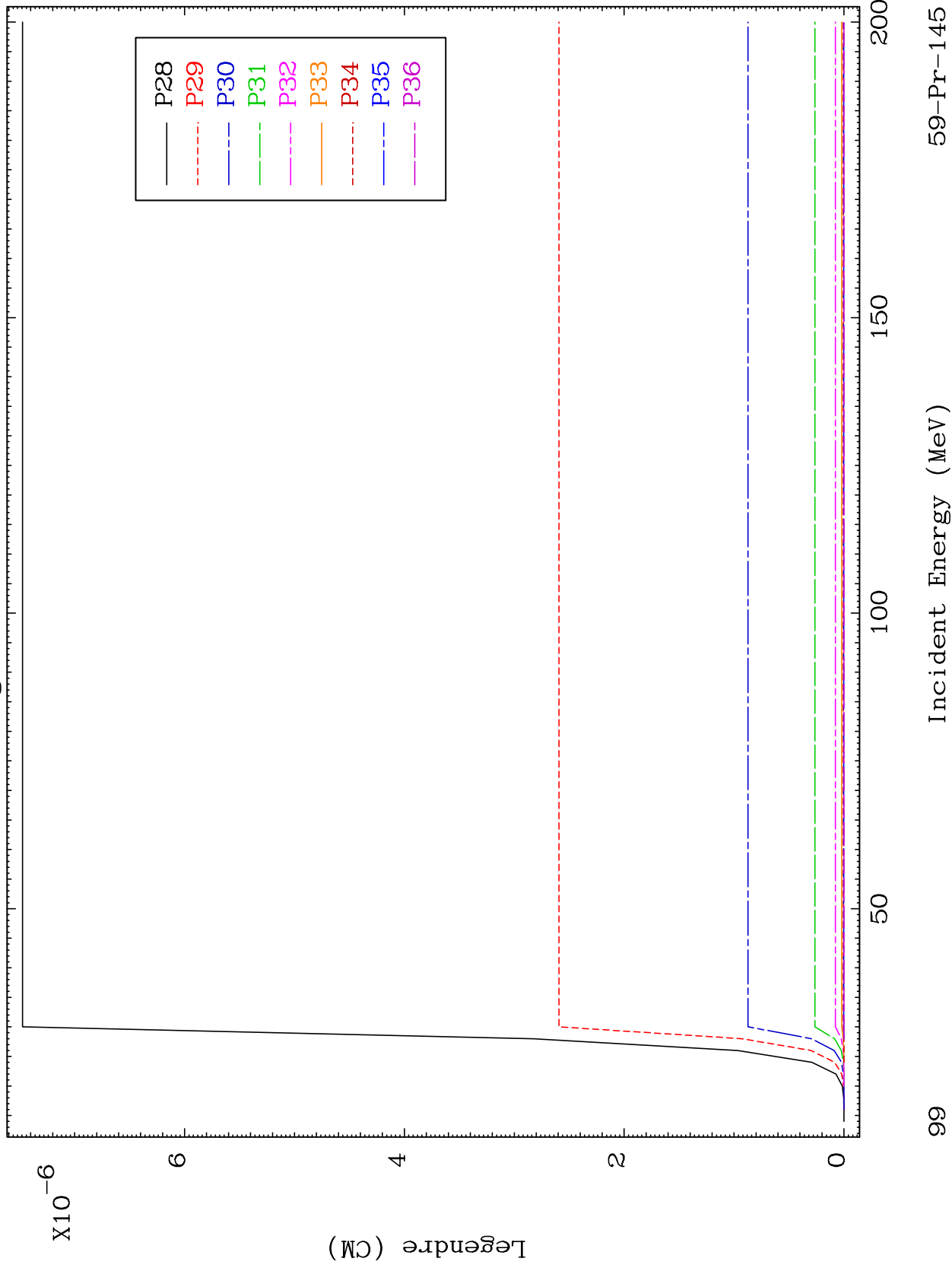
59-Pr-145



MAT 5937

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

59-Pr-145



99

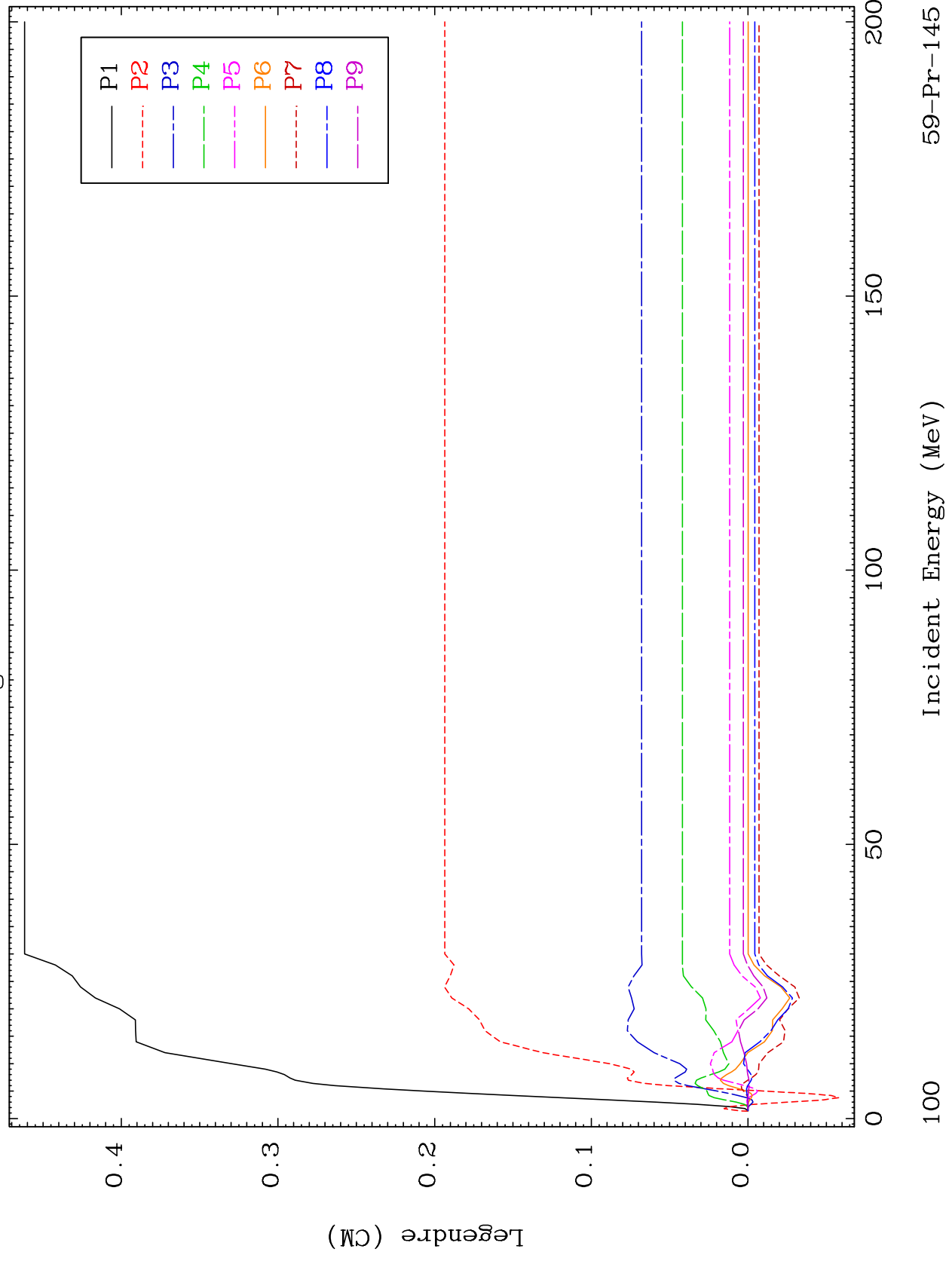
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



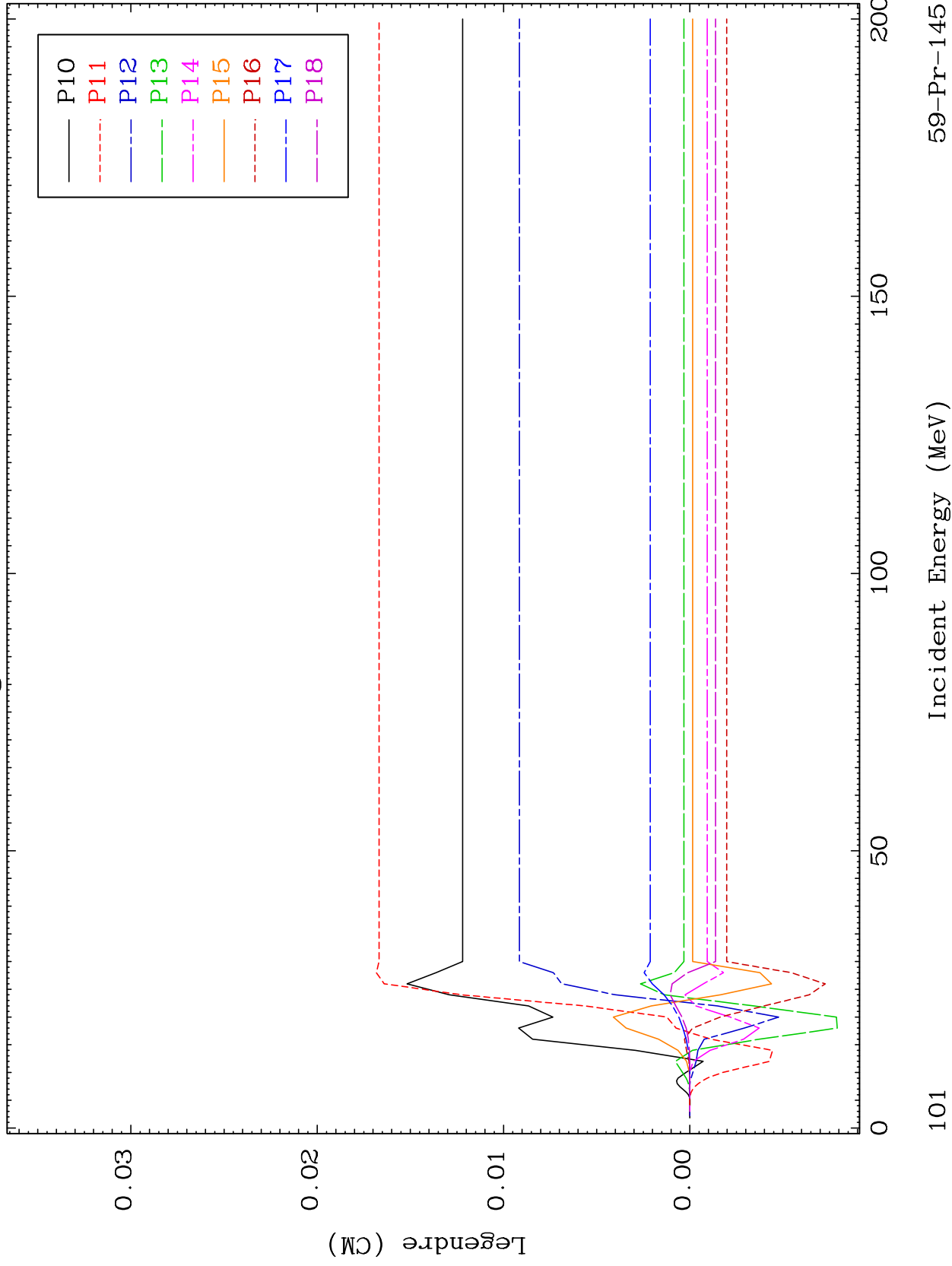
59-Pr-145

Incident Energy (MeV)

MAT 5937

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

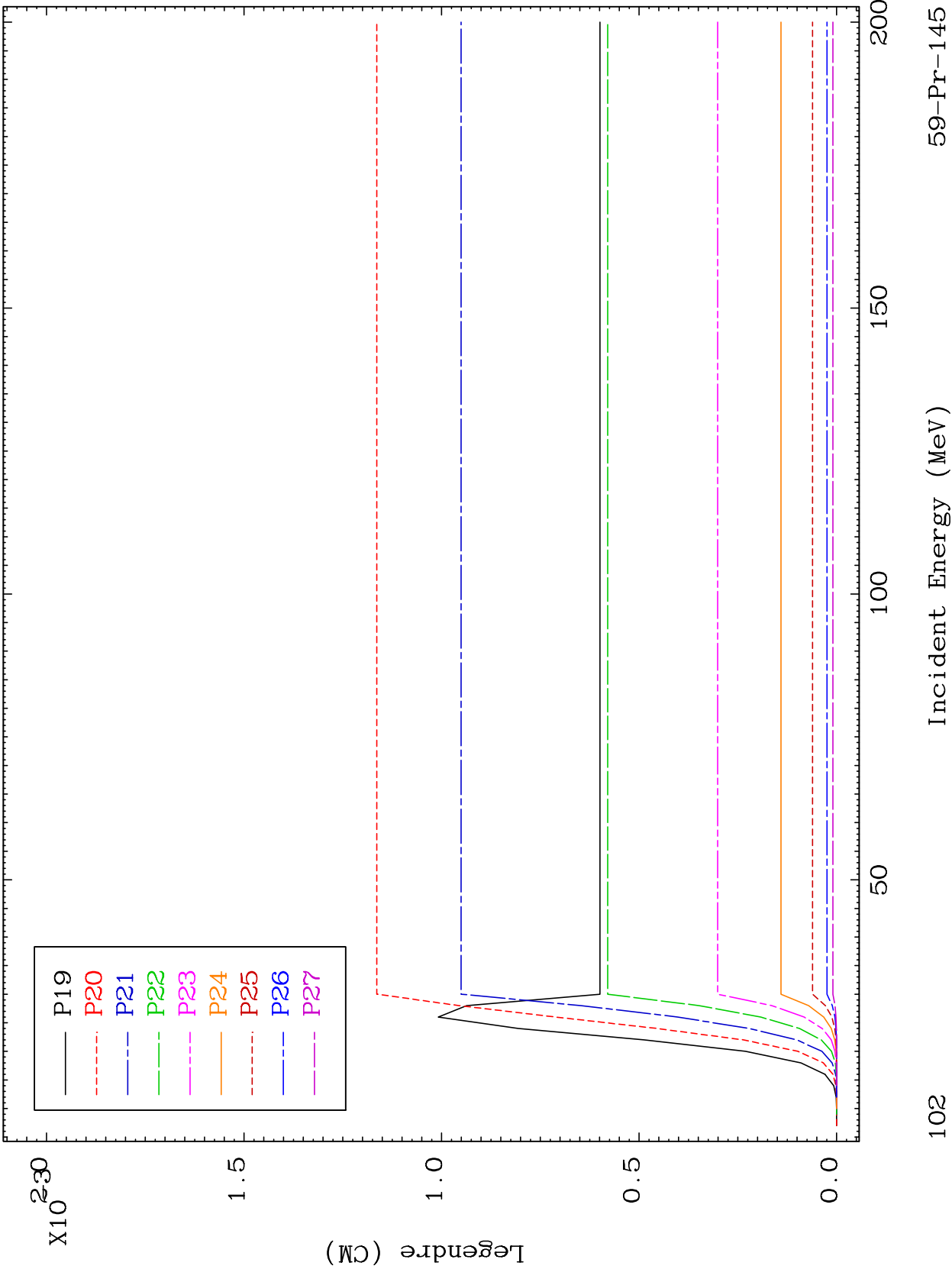
59-Pr-145



59-Pr-145

Incident Energy (MeV)

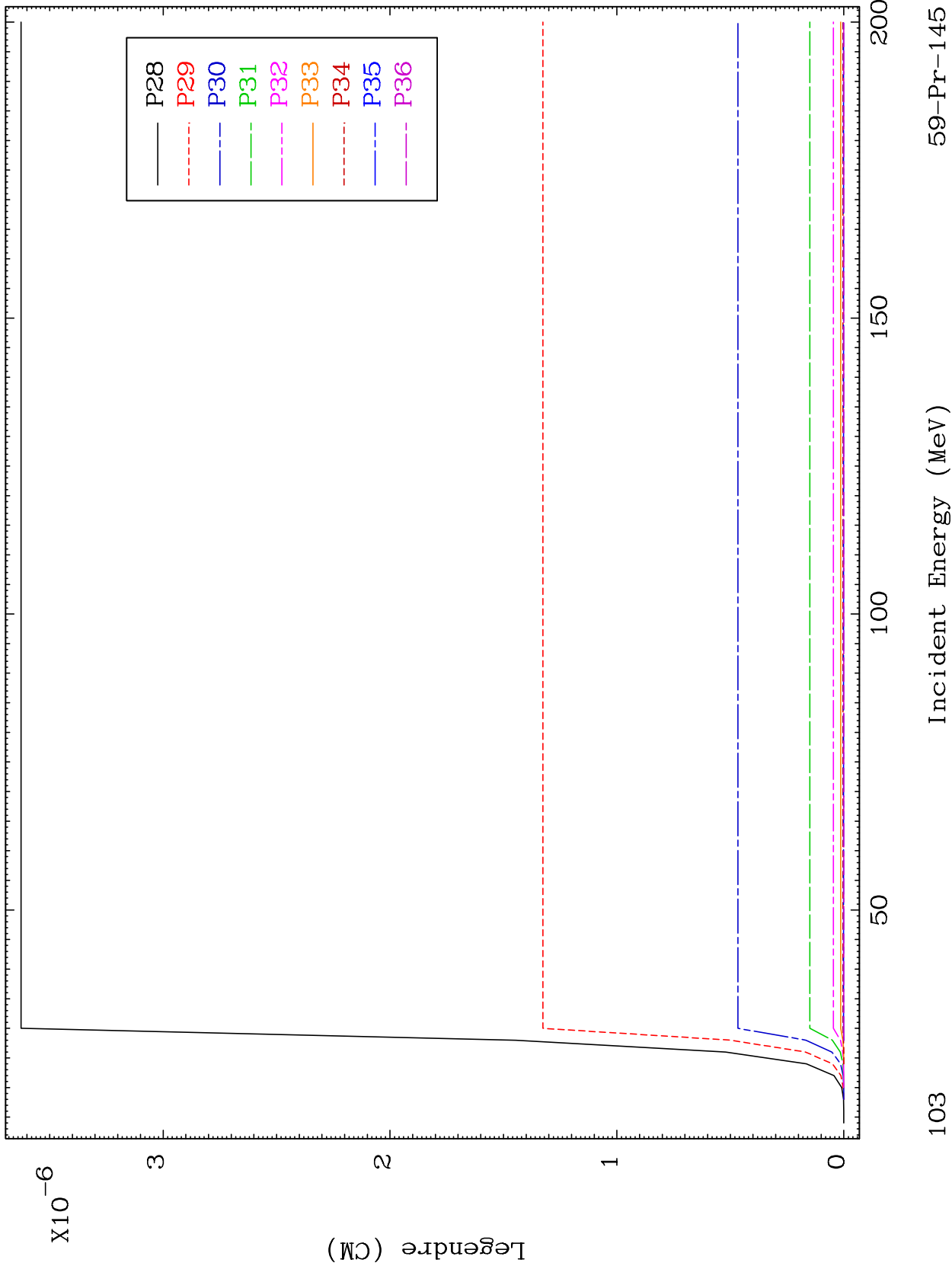
101



MAT 5937

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

59-Pr-145



103

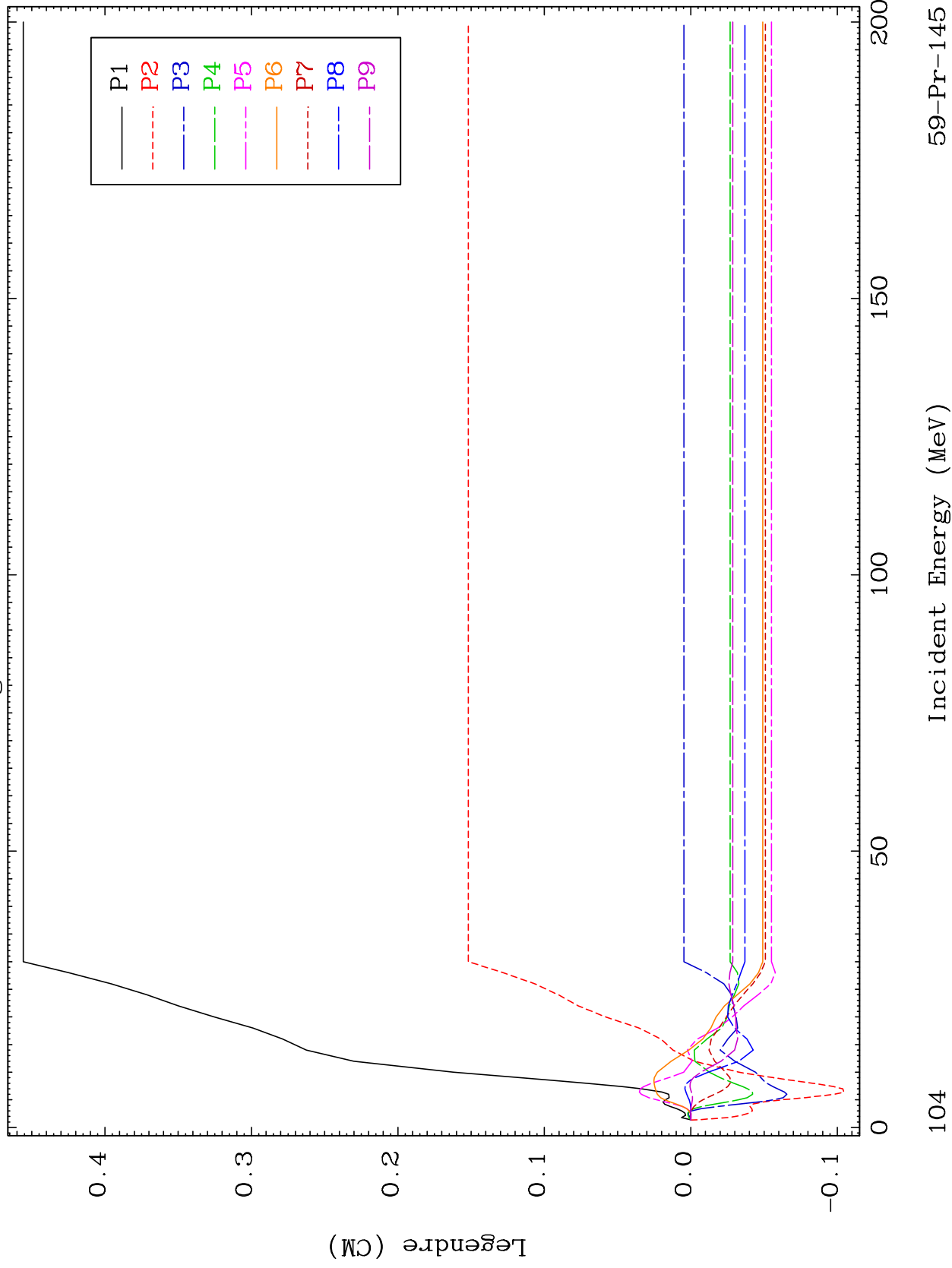
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



59-Pr-145

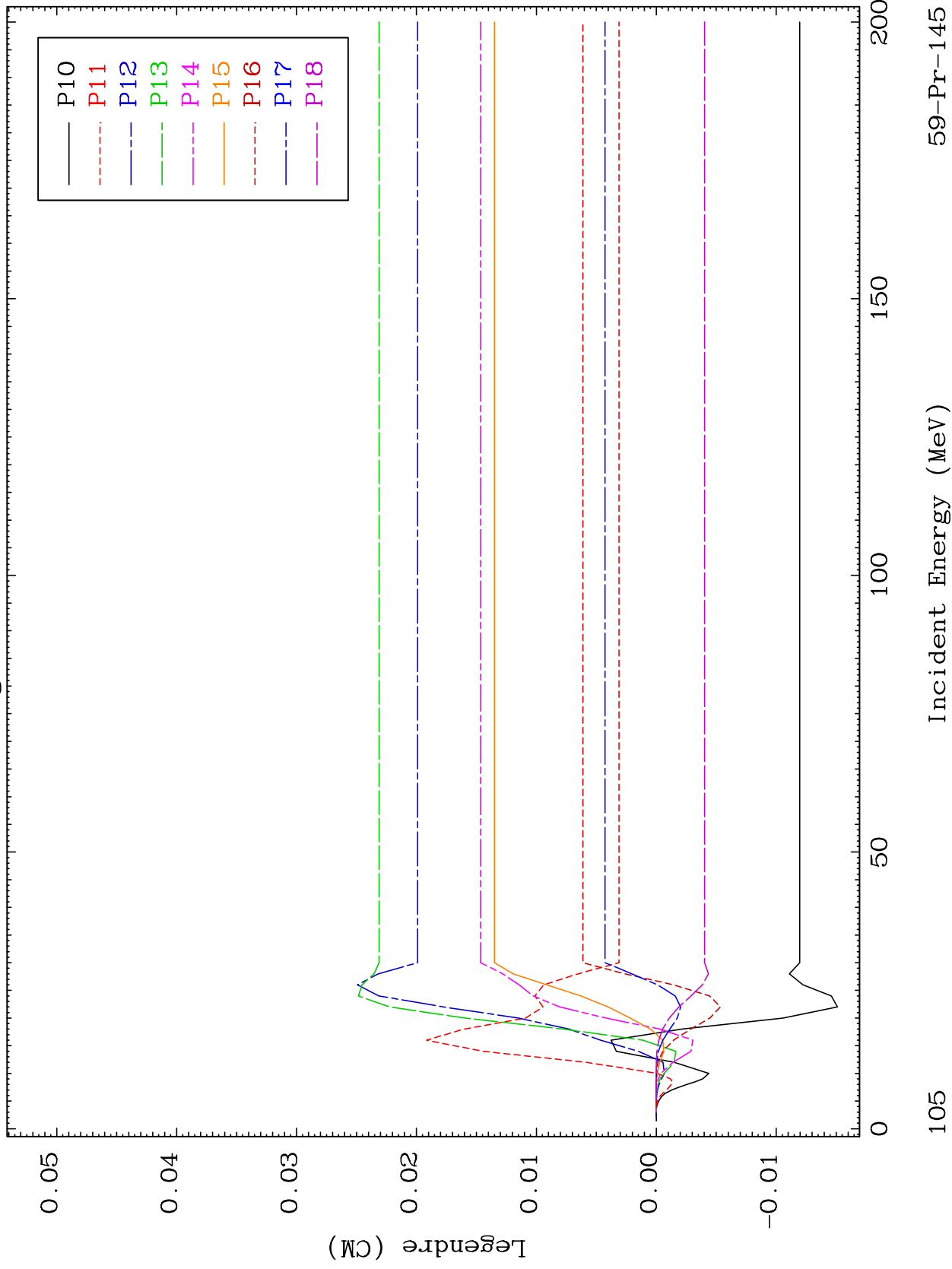
Incident Energy (MeV)

104

MAT 5937

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

59-Pr-145



59-Pr-145

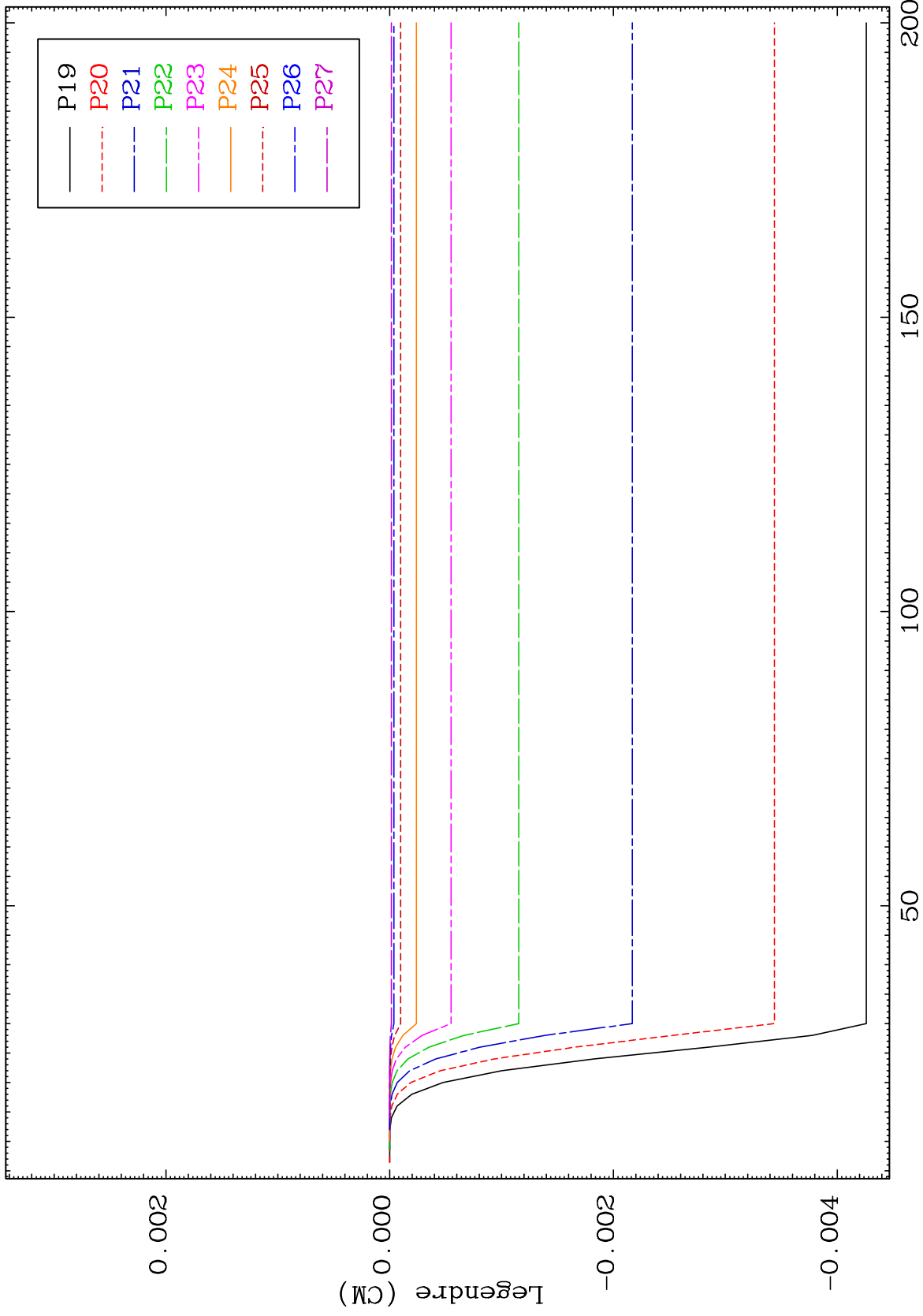
Incident Energy (MeV)

105

MAT 5937

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

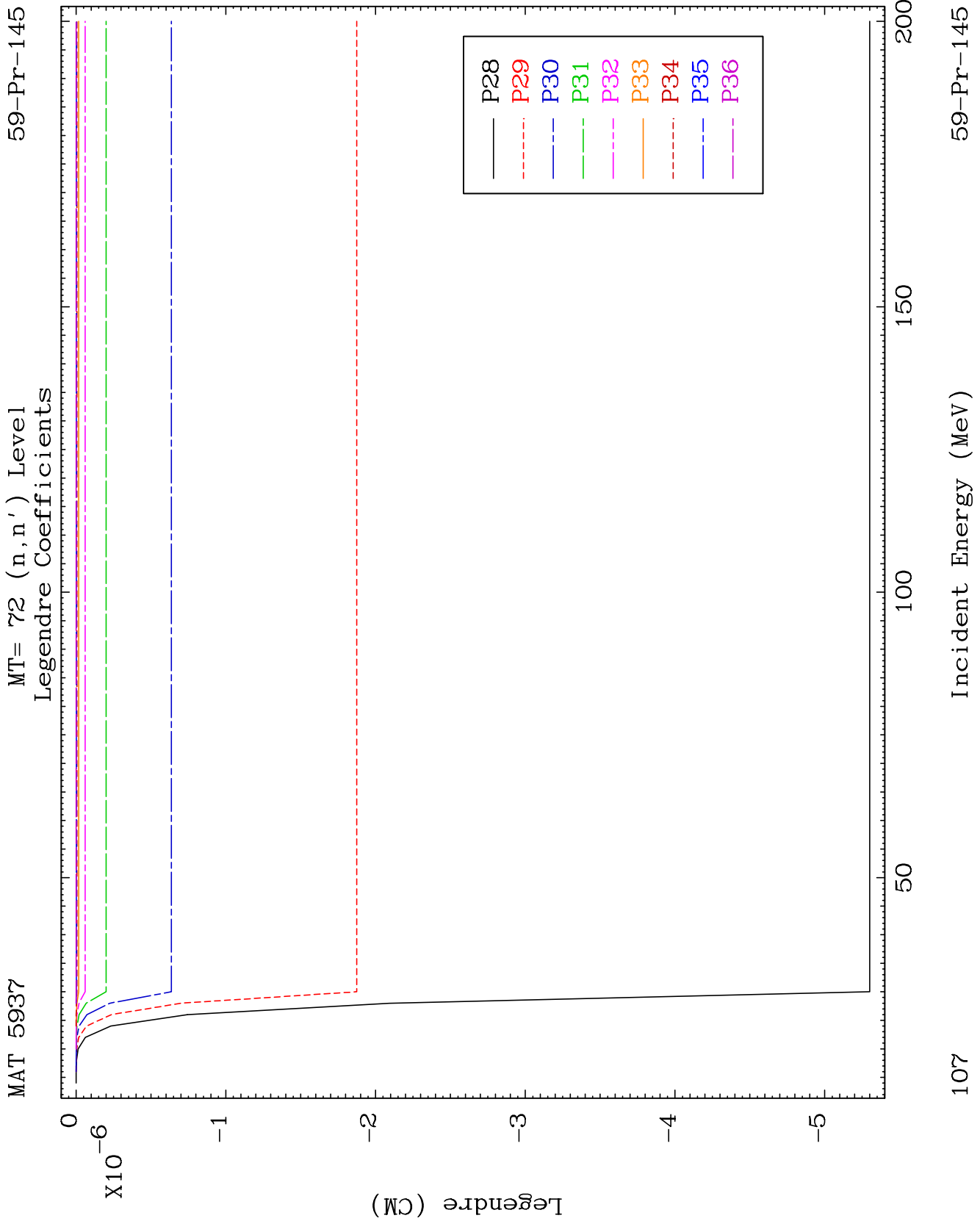
59-Pr-145



106

Incident Energy (MeV)

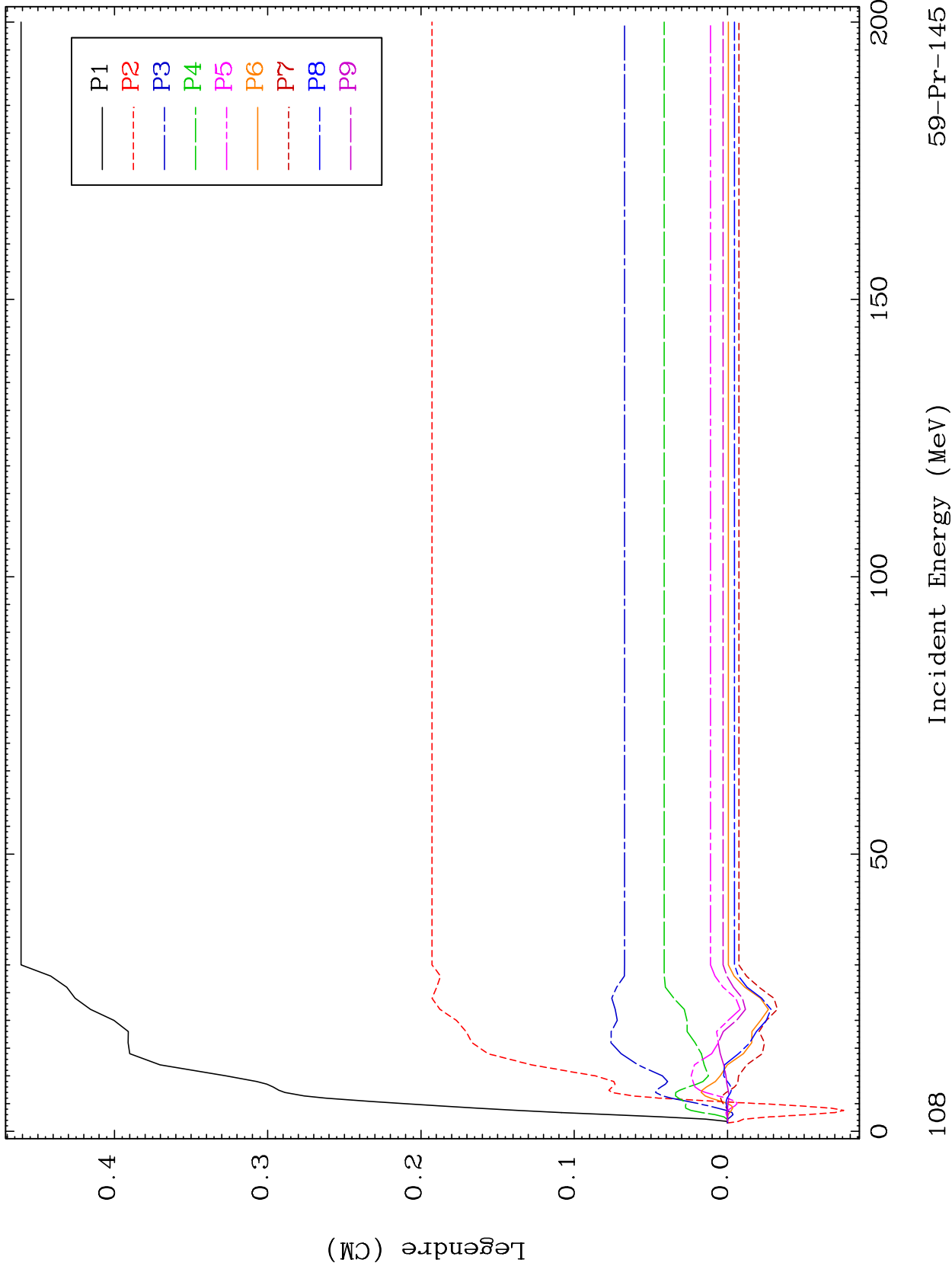
59-Pr-145



MAT 5937

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

59-Pr-145



59-Pr-145

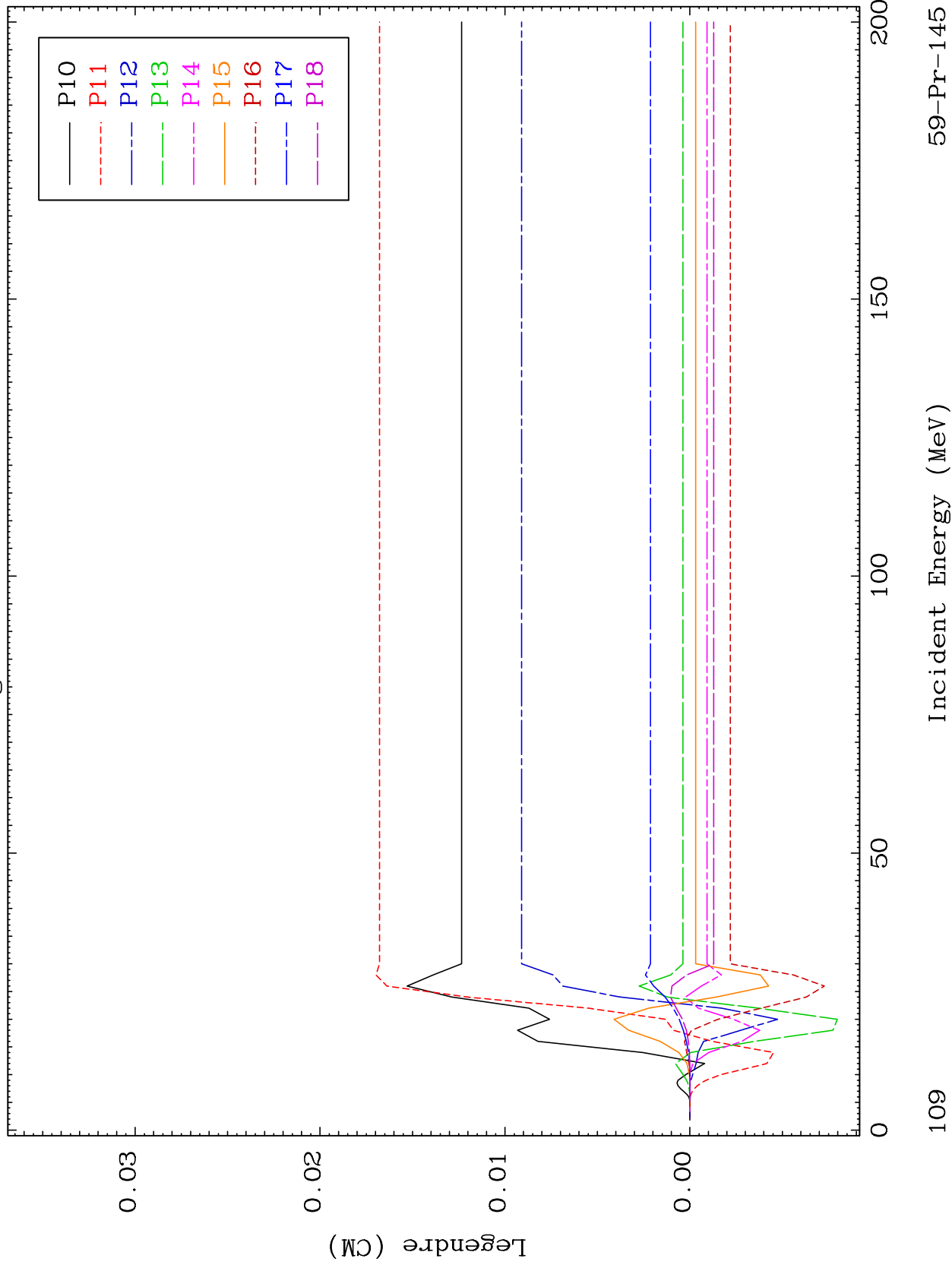
Incident Energy (MeV)

108

MAT 5937

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

59-Pr-145



59-Pr-145

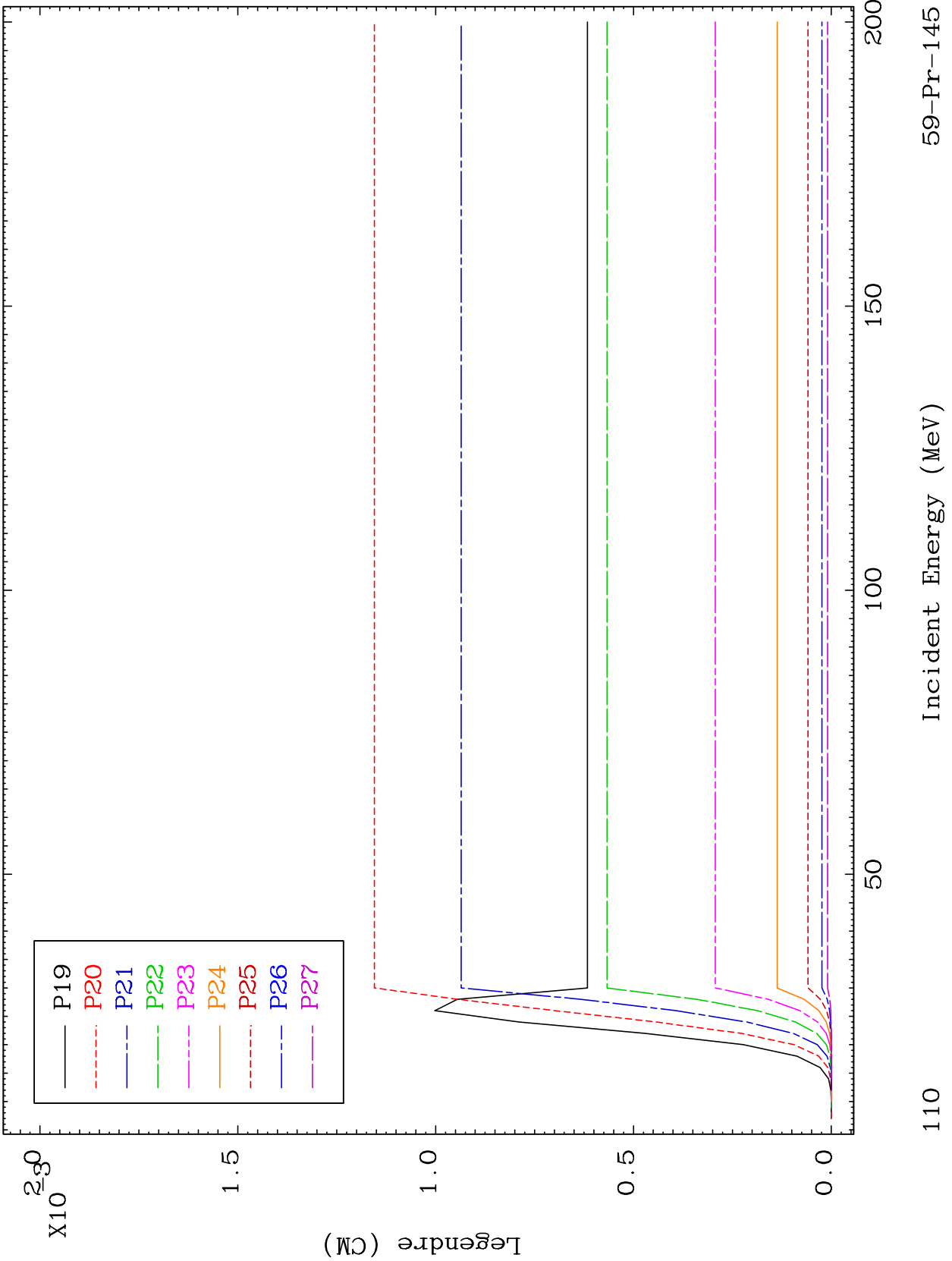
Incident Energy (MeV)

109

MAT 5937

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

59-Pr-145



110

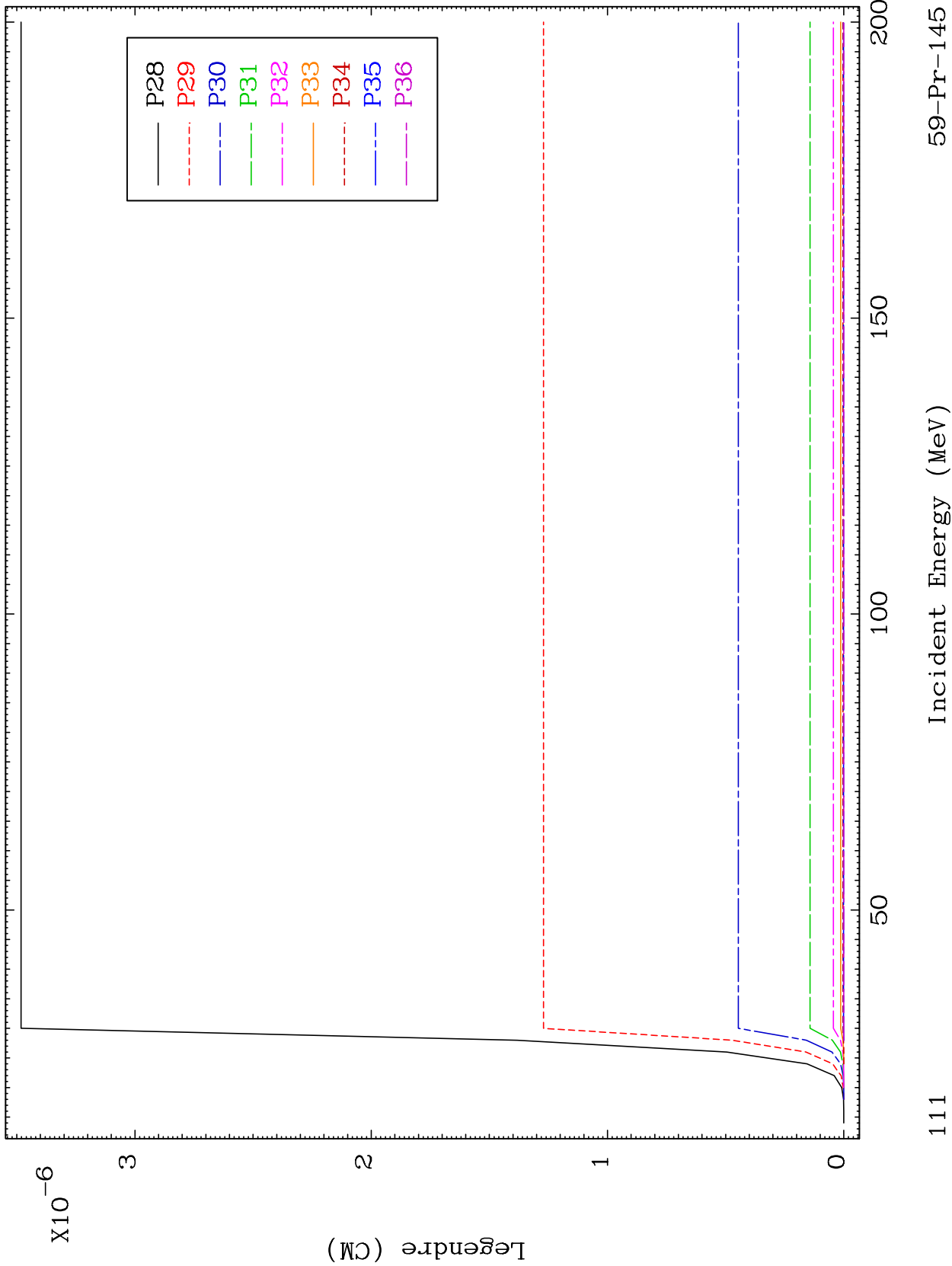
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



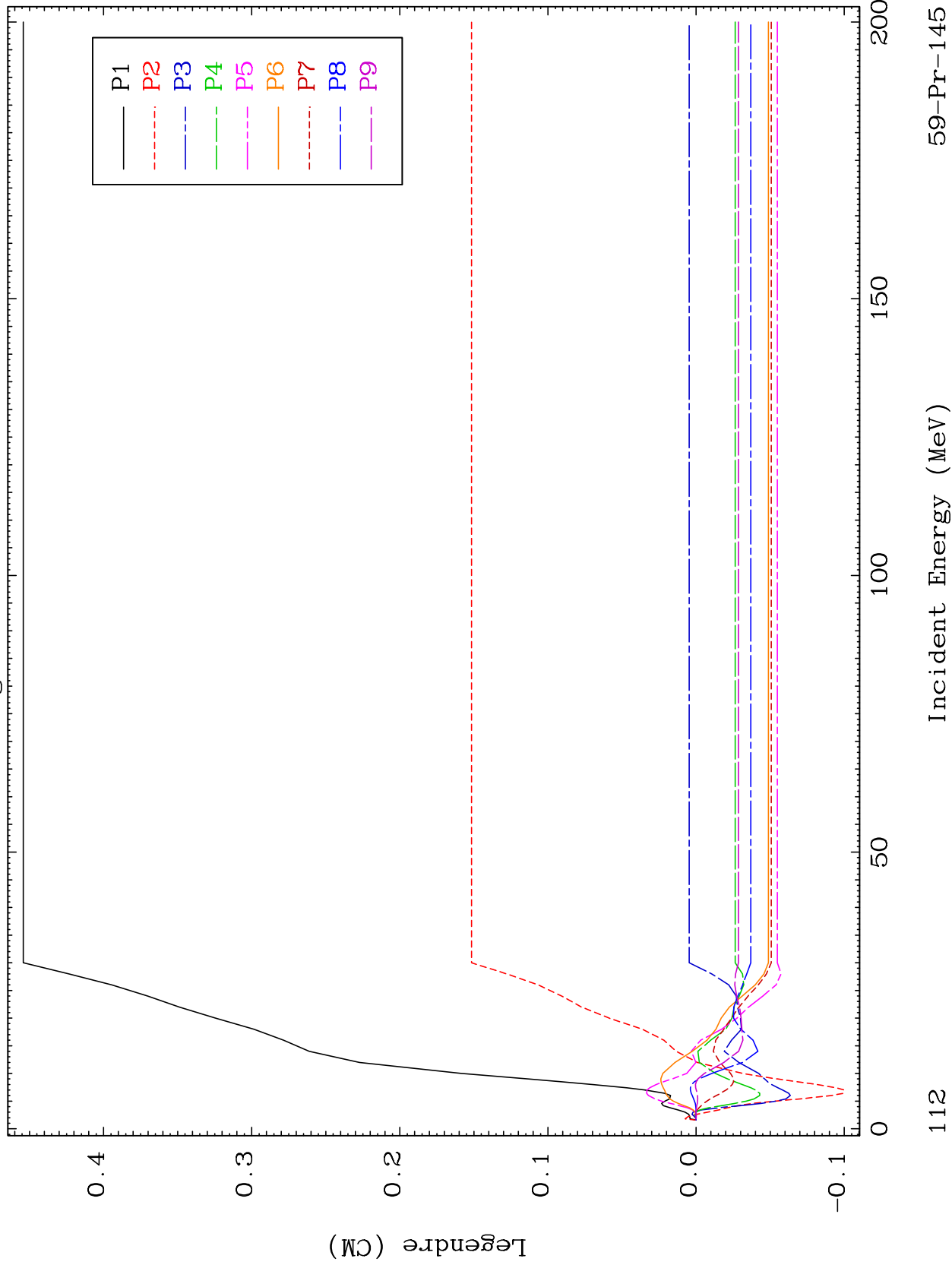
111

59-Pr-145

MAT 5937

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

59-Pr-145



59-Pr-145

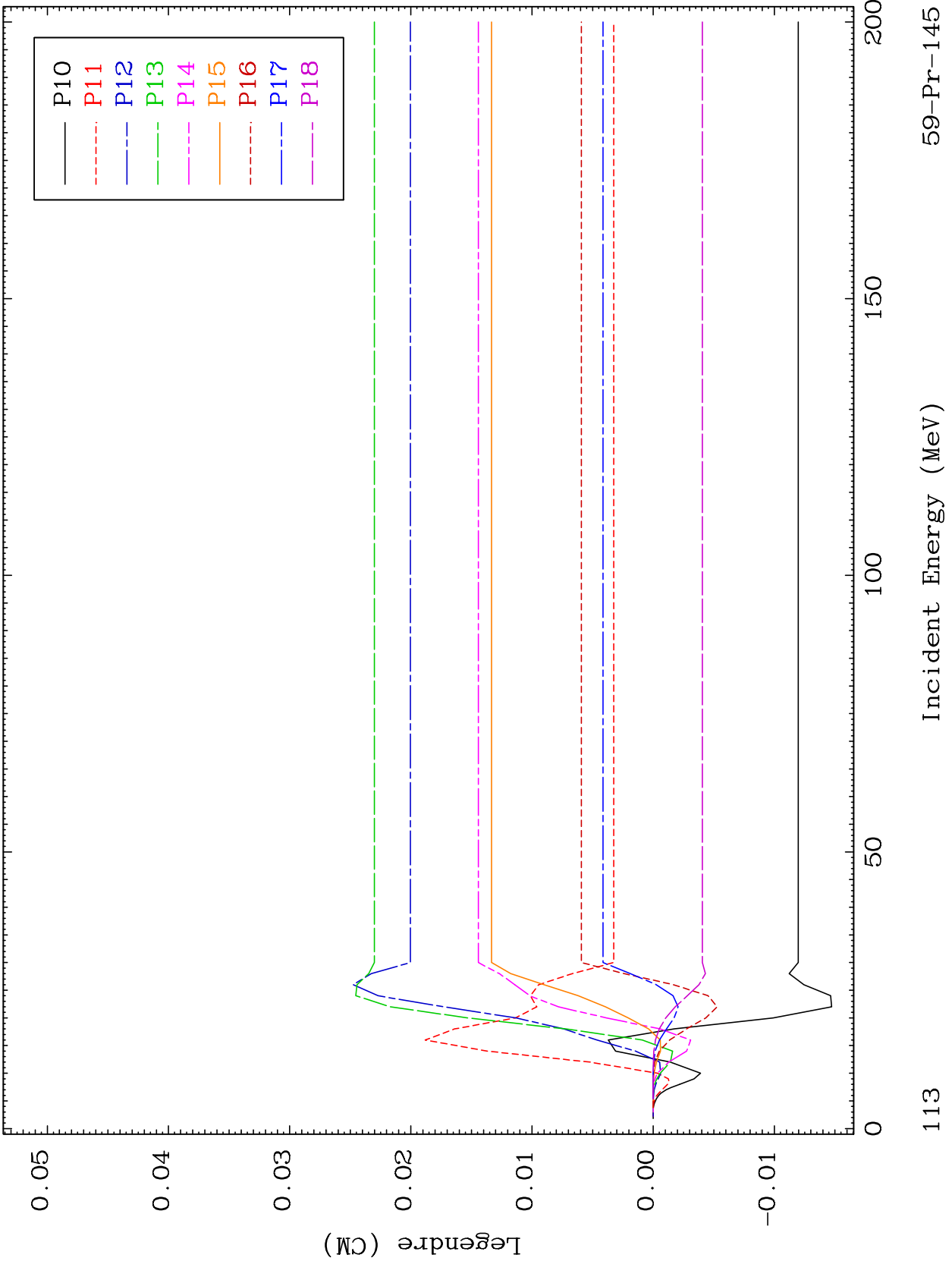
Incident Energy (MeV)

112

MAT 5937

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

59-Pr-145



113

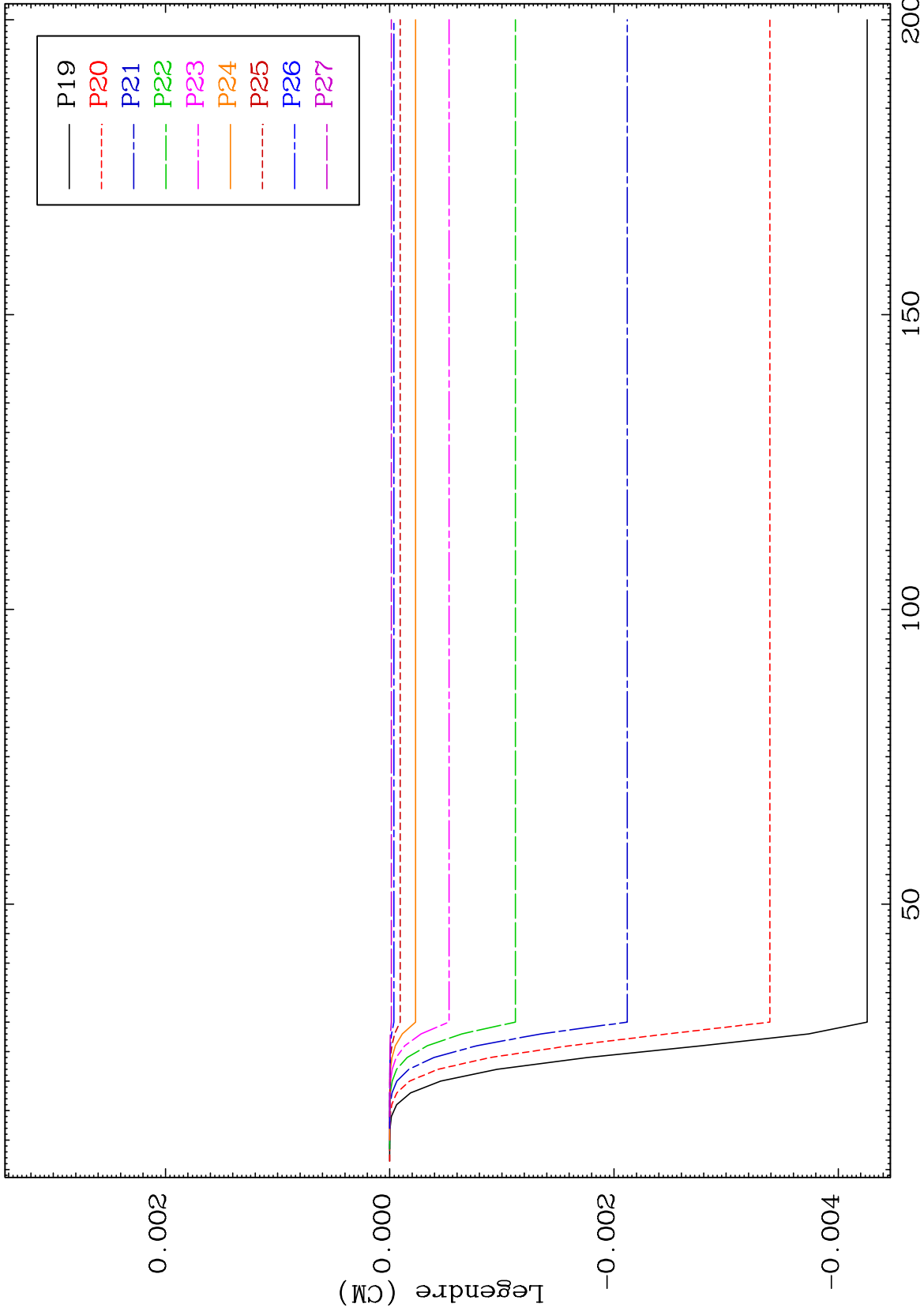
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

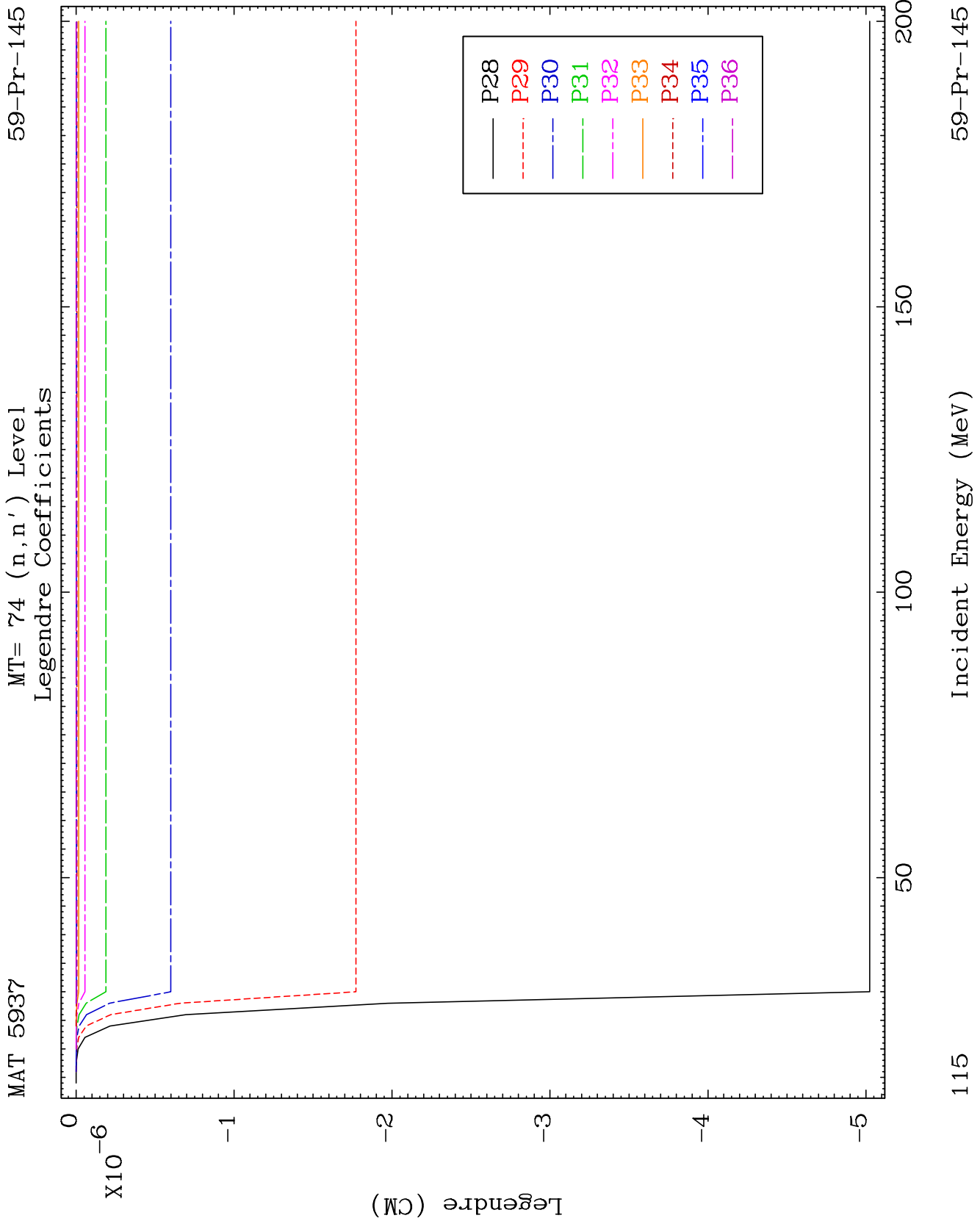
59-Pr-145



114

Incident Energy (MeV)

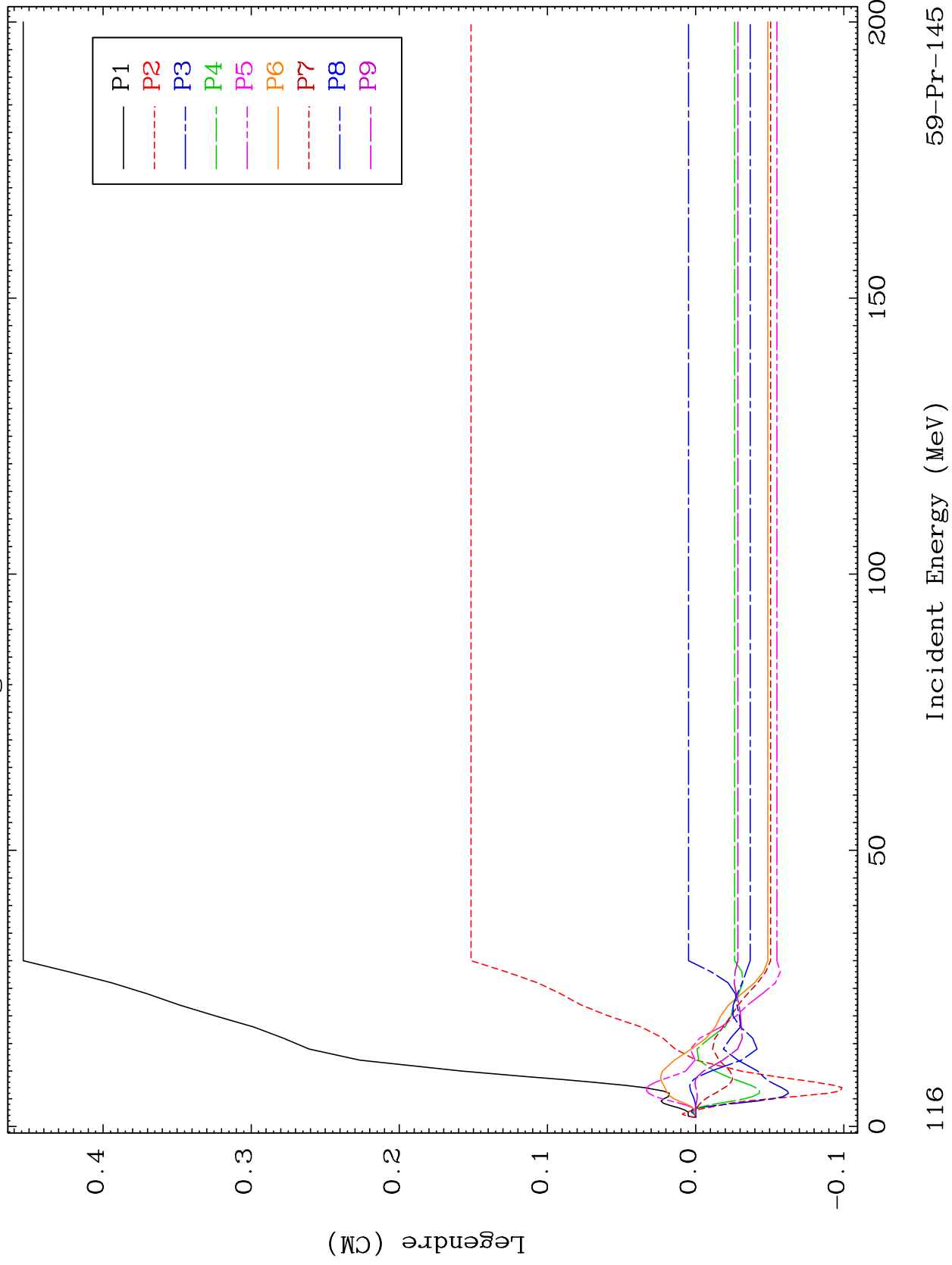
59-Pr-145



MAT 5937

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

59-Pr-145



59-Pr-145

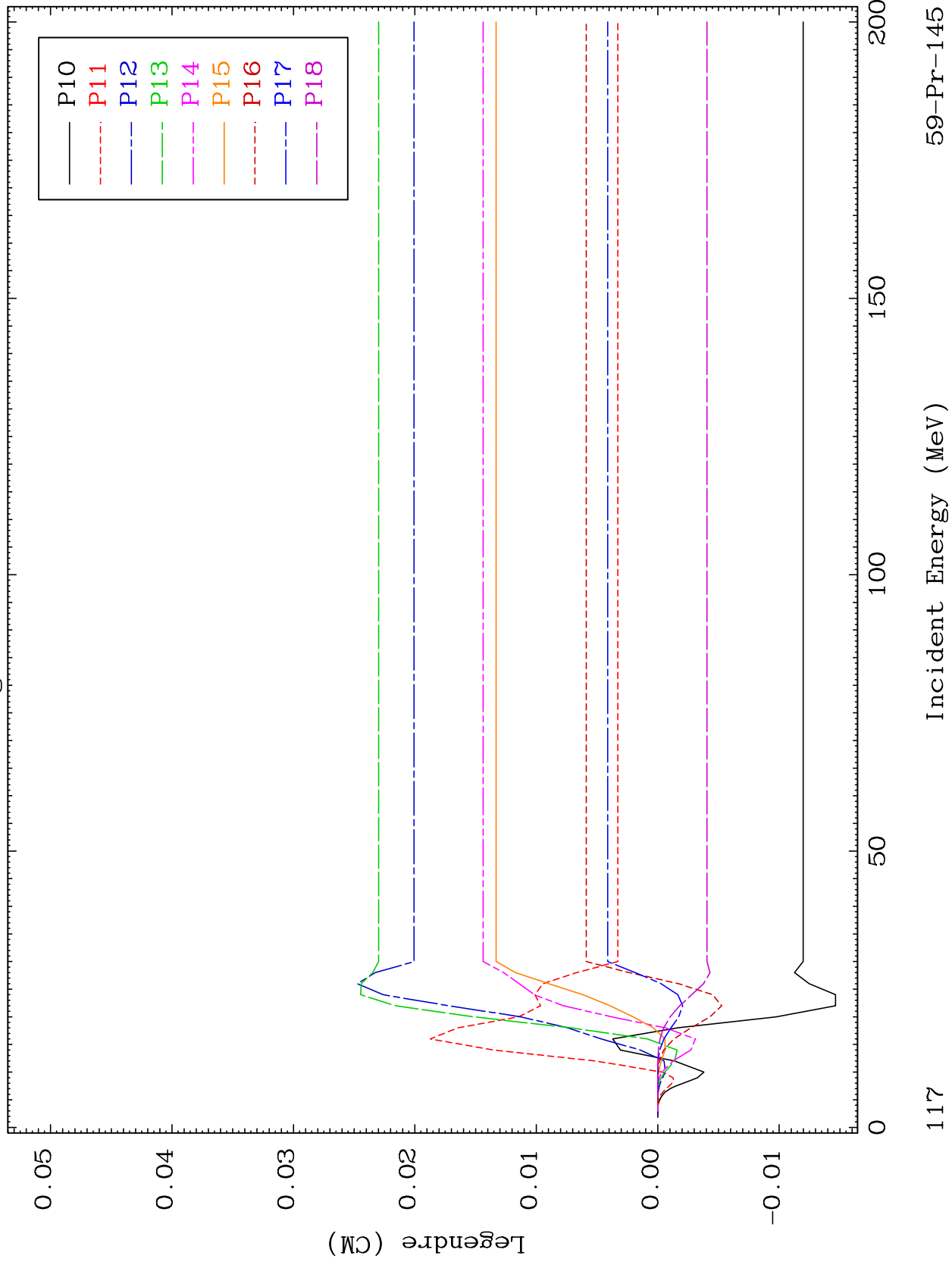
Incident Energy (MeV)

116

MAT 5937

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

59-Pr-145



117

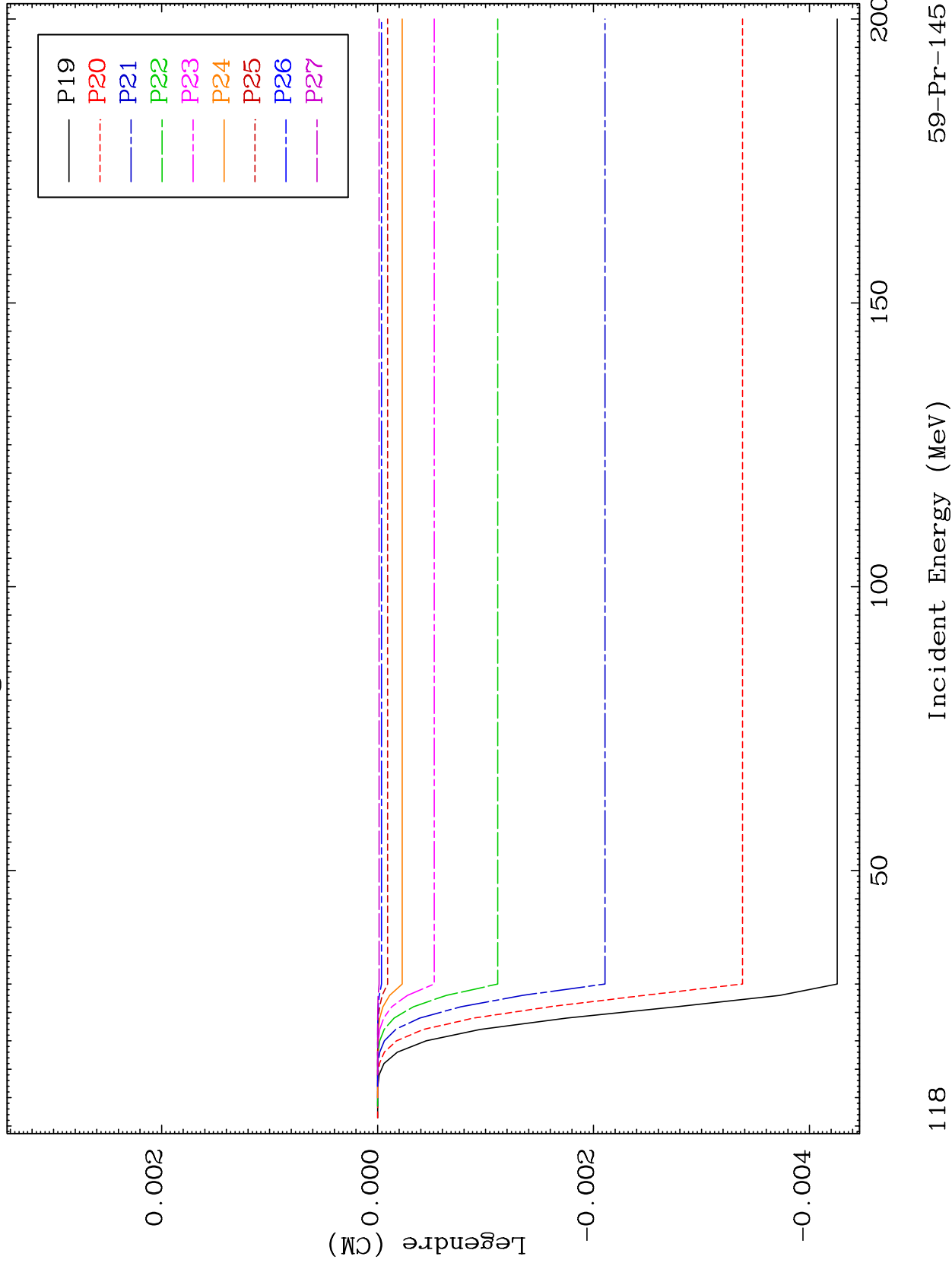
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

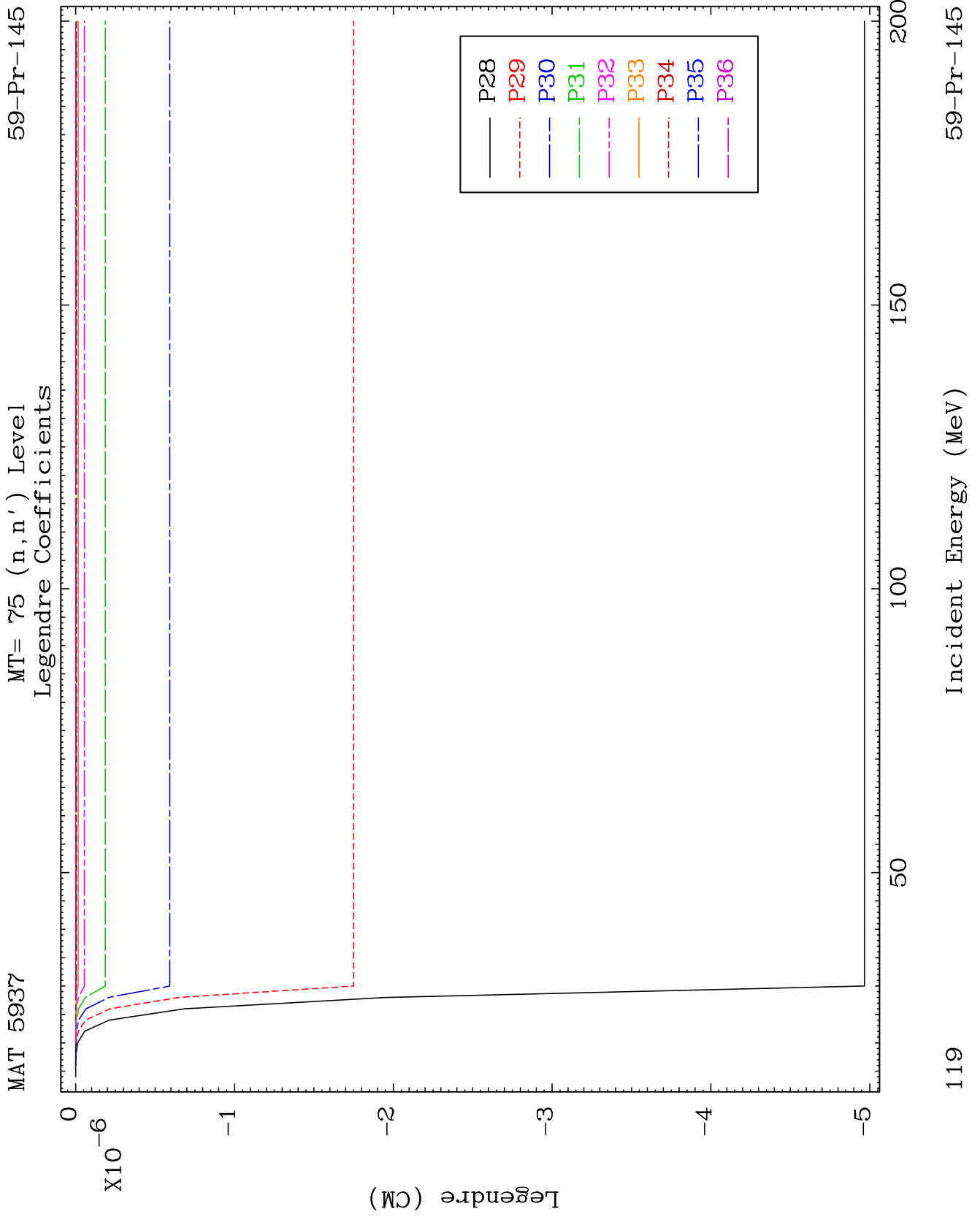
59-Pr-145



118

Incident Energy (MeV)

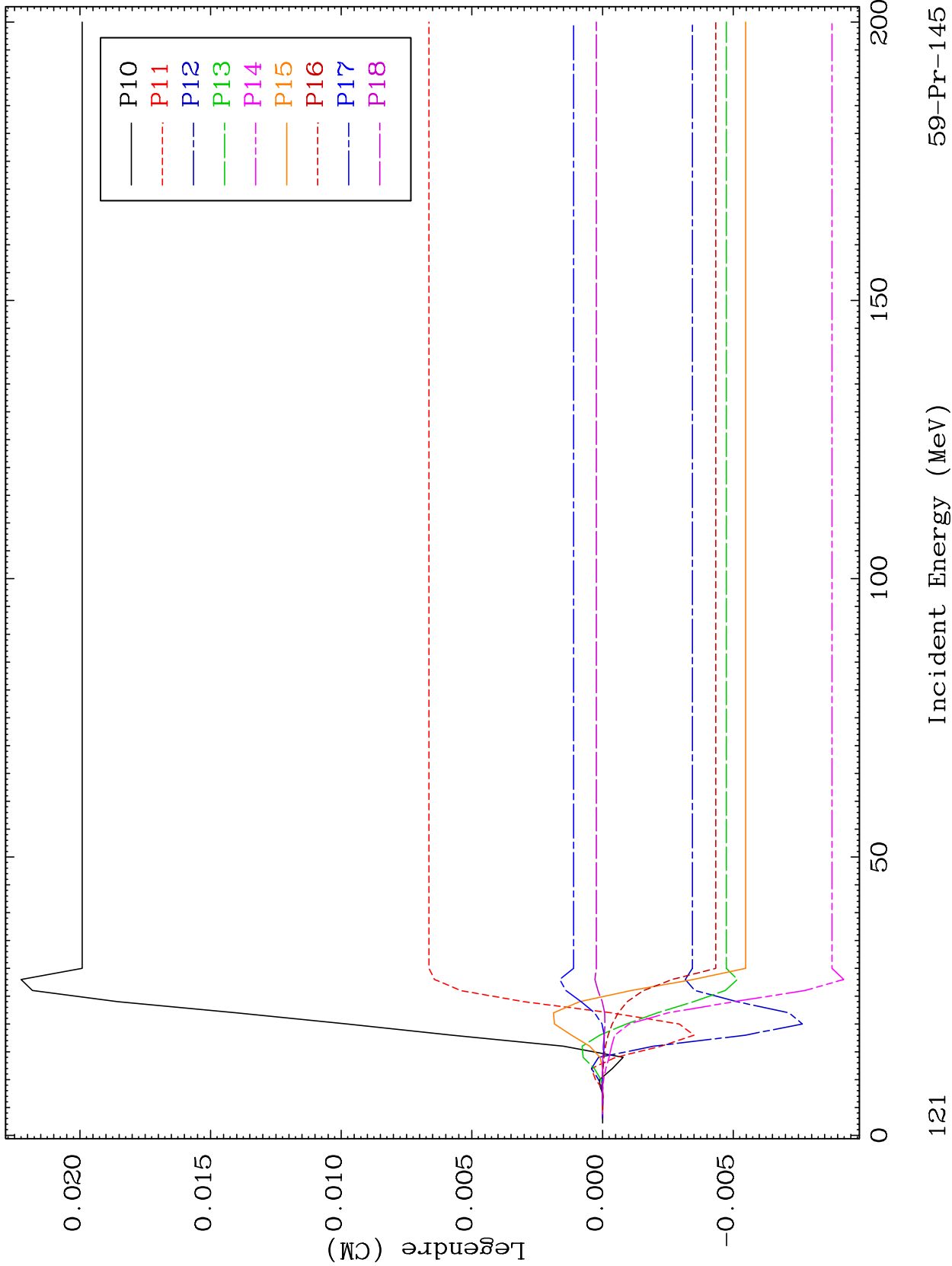
59-Pr-145



MAT 5937

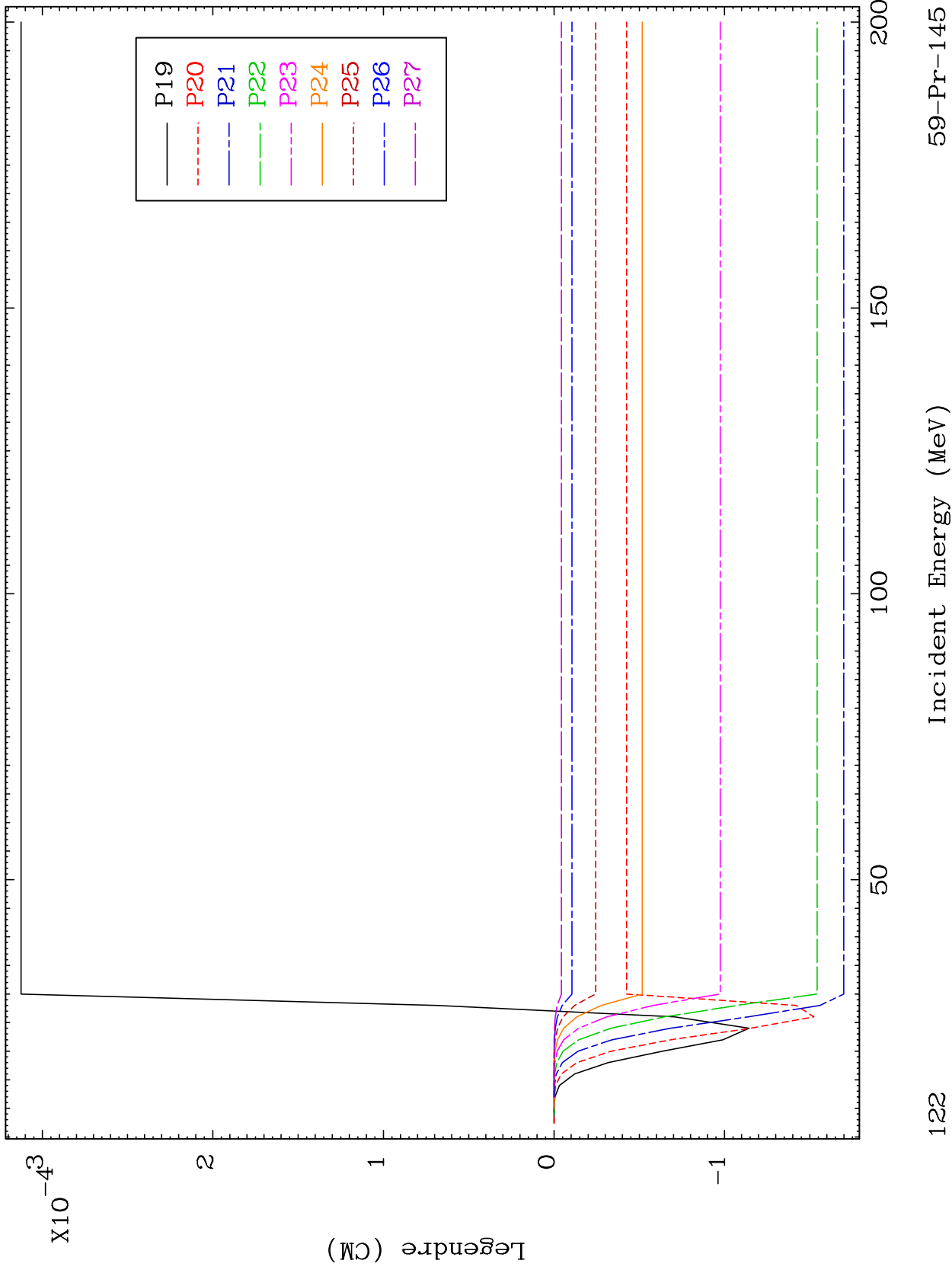
MT= 76 (n,n') Level
Legendre Coefficients

59-Pr-145



121

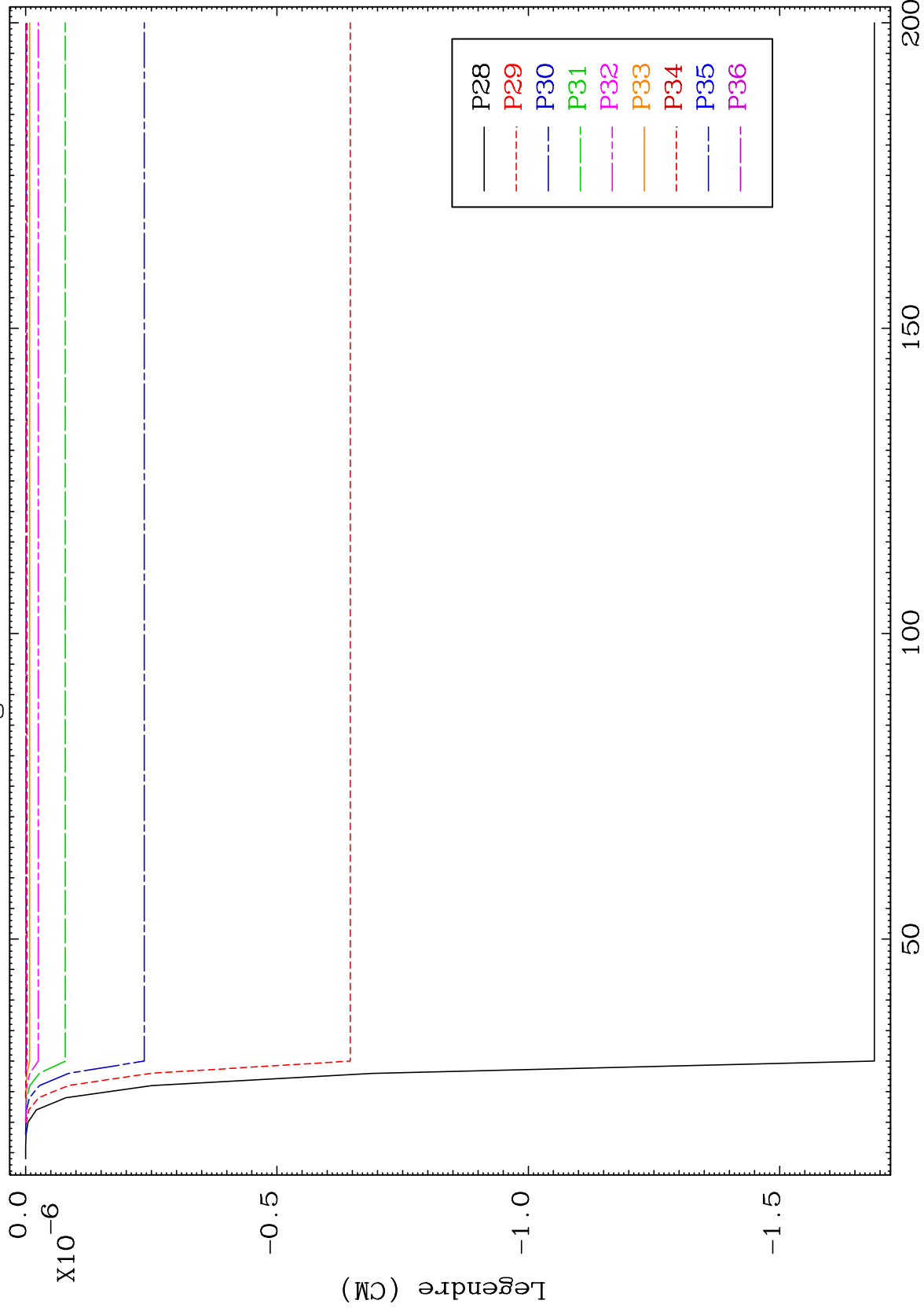
59-Pr-145



MAT 5937

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

59-Pr-145



123

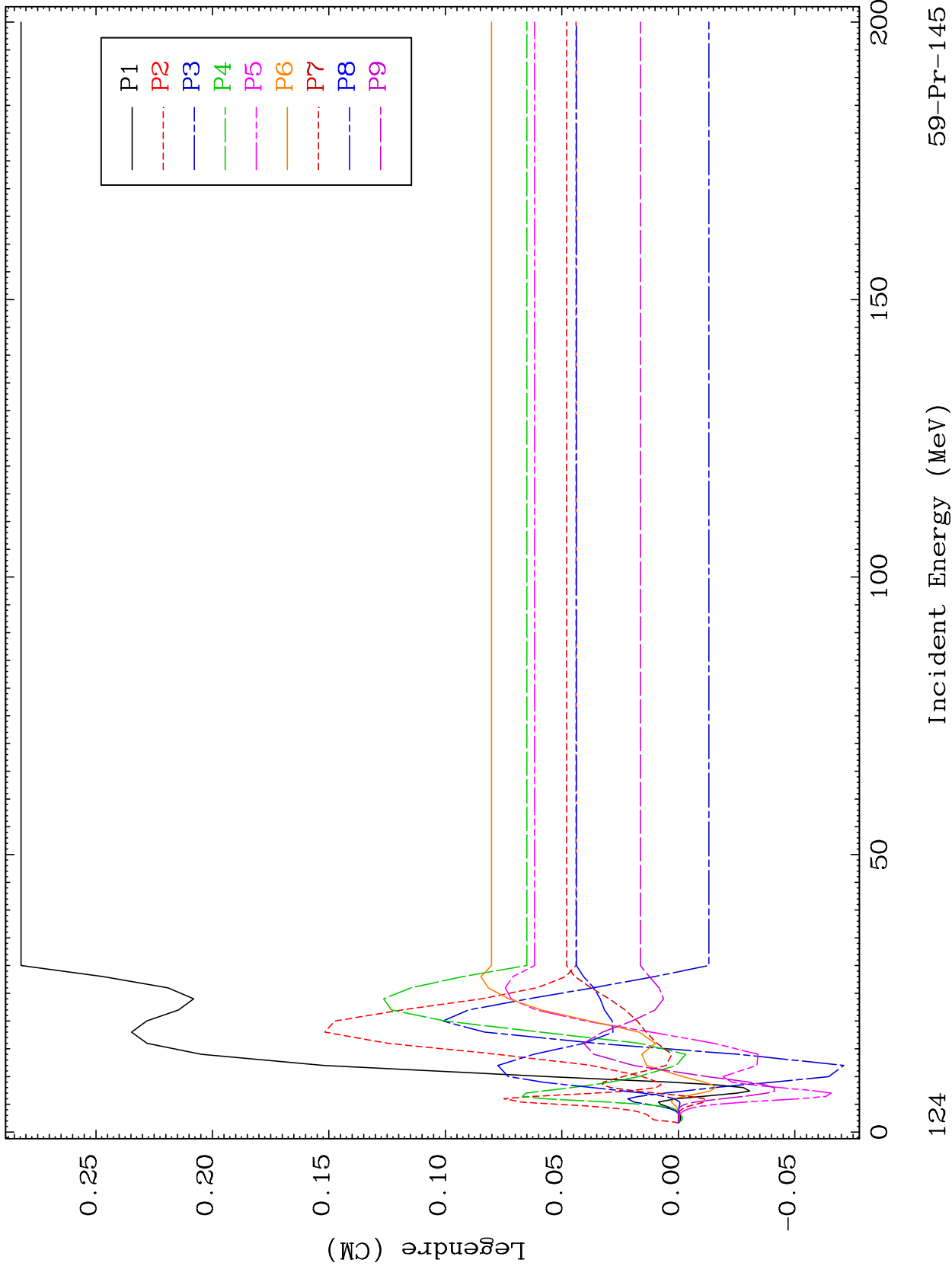
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



59-Pr-145

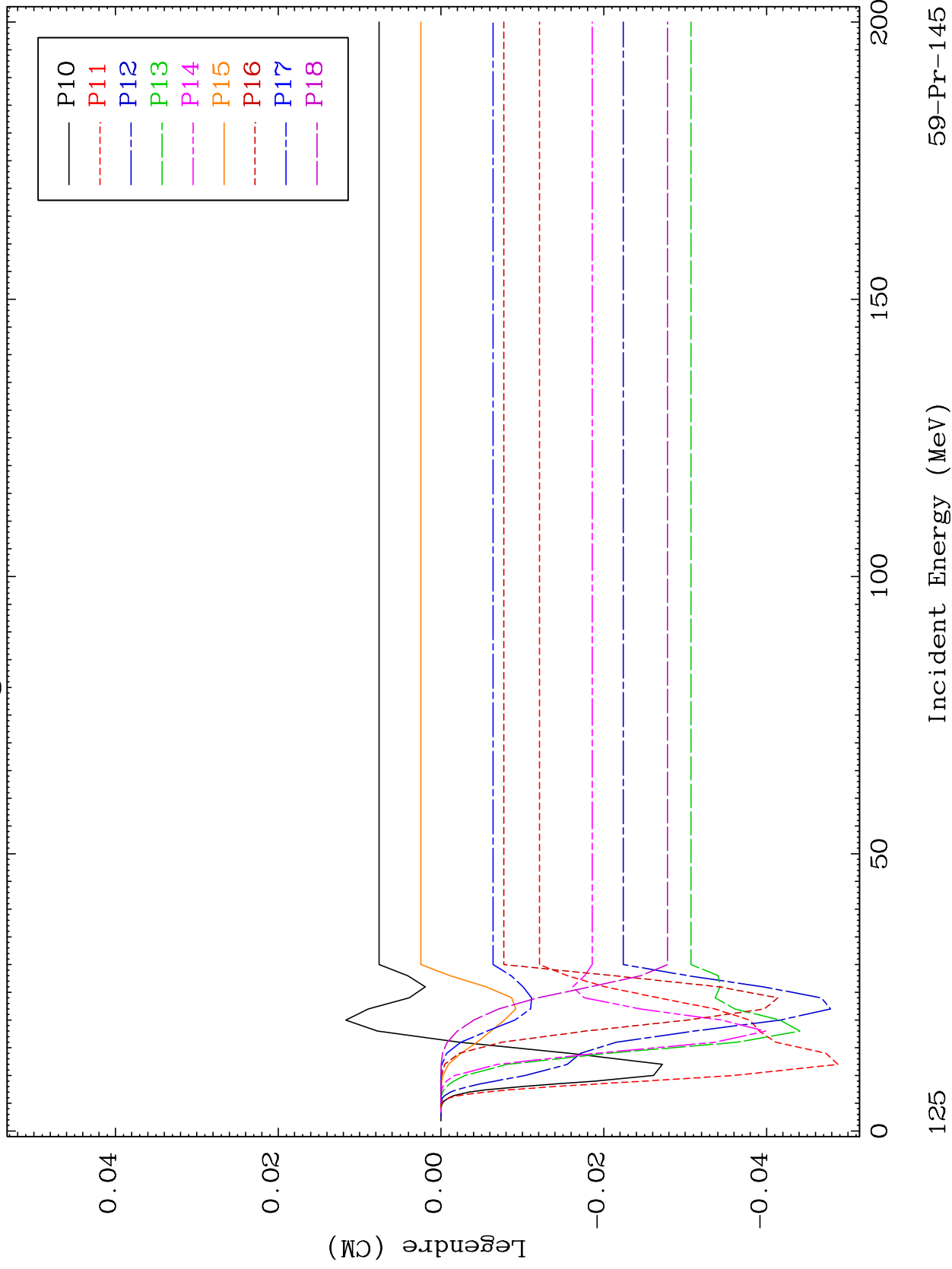
Incident Energy (MeV)

124

MAT 5937

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

59-Pr-145



59-Pr-145

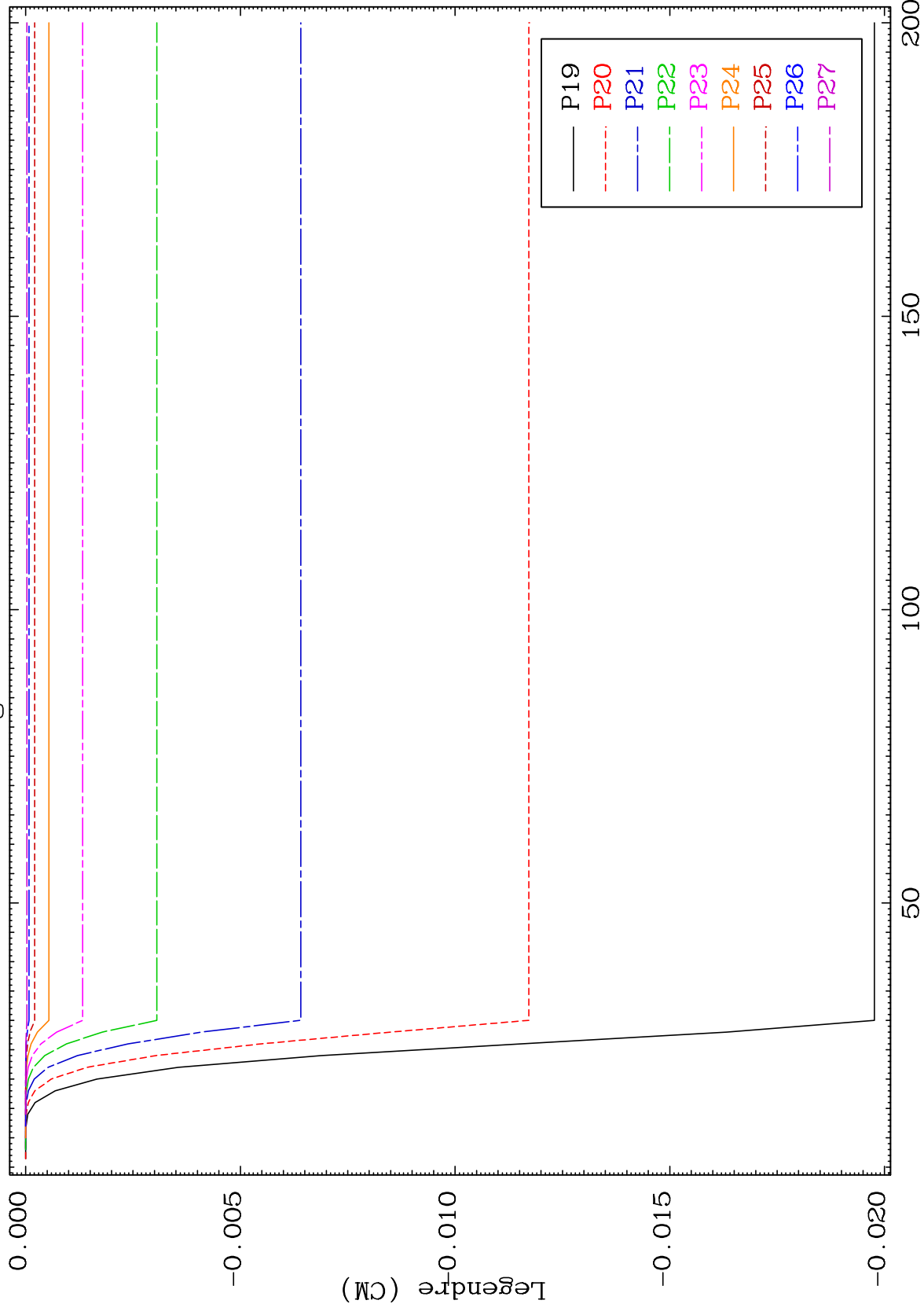
Incident Energy (MeV)

125

MAT 5937

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

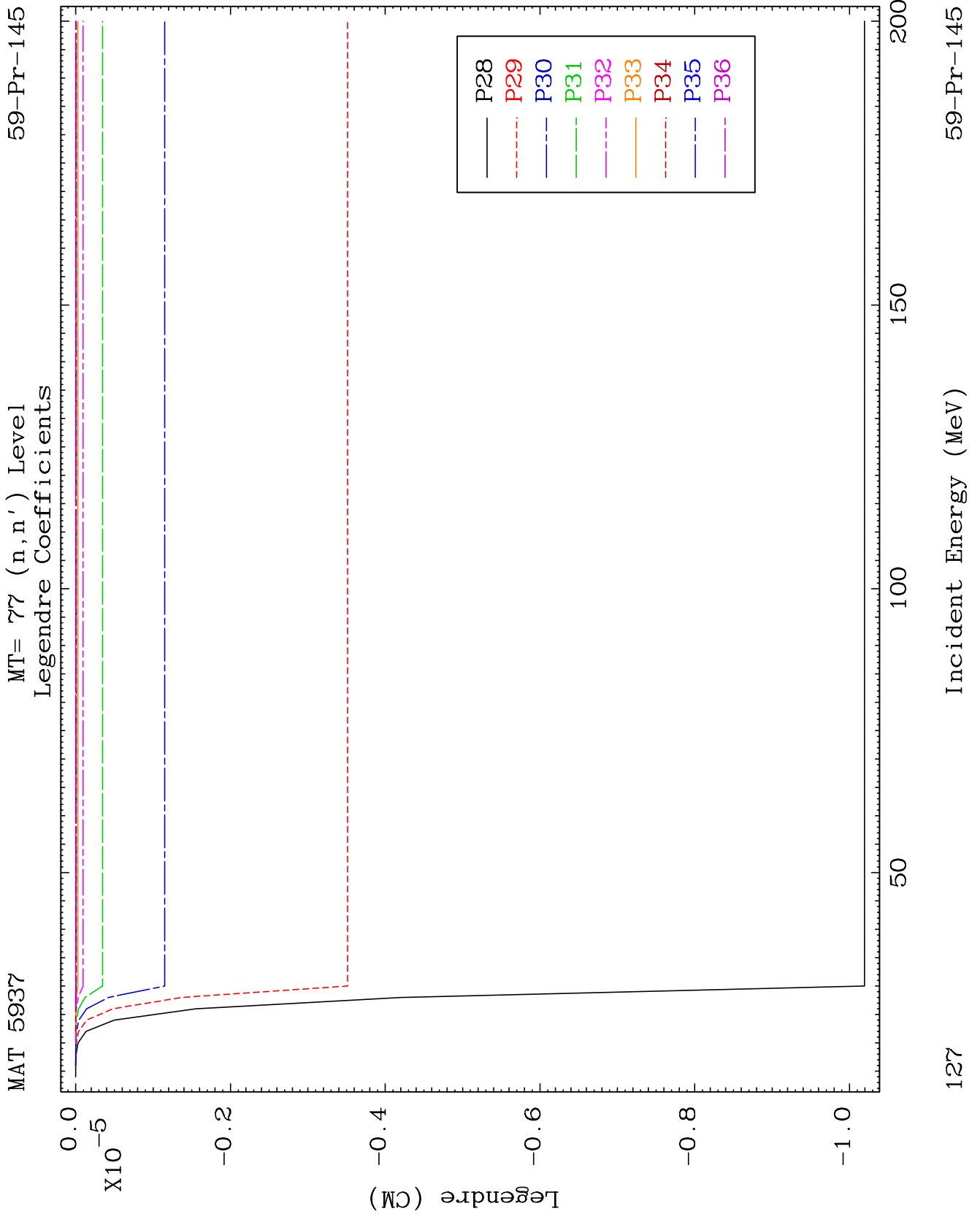
59-Pr-145



126

Incident Energy (MeV)

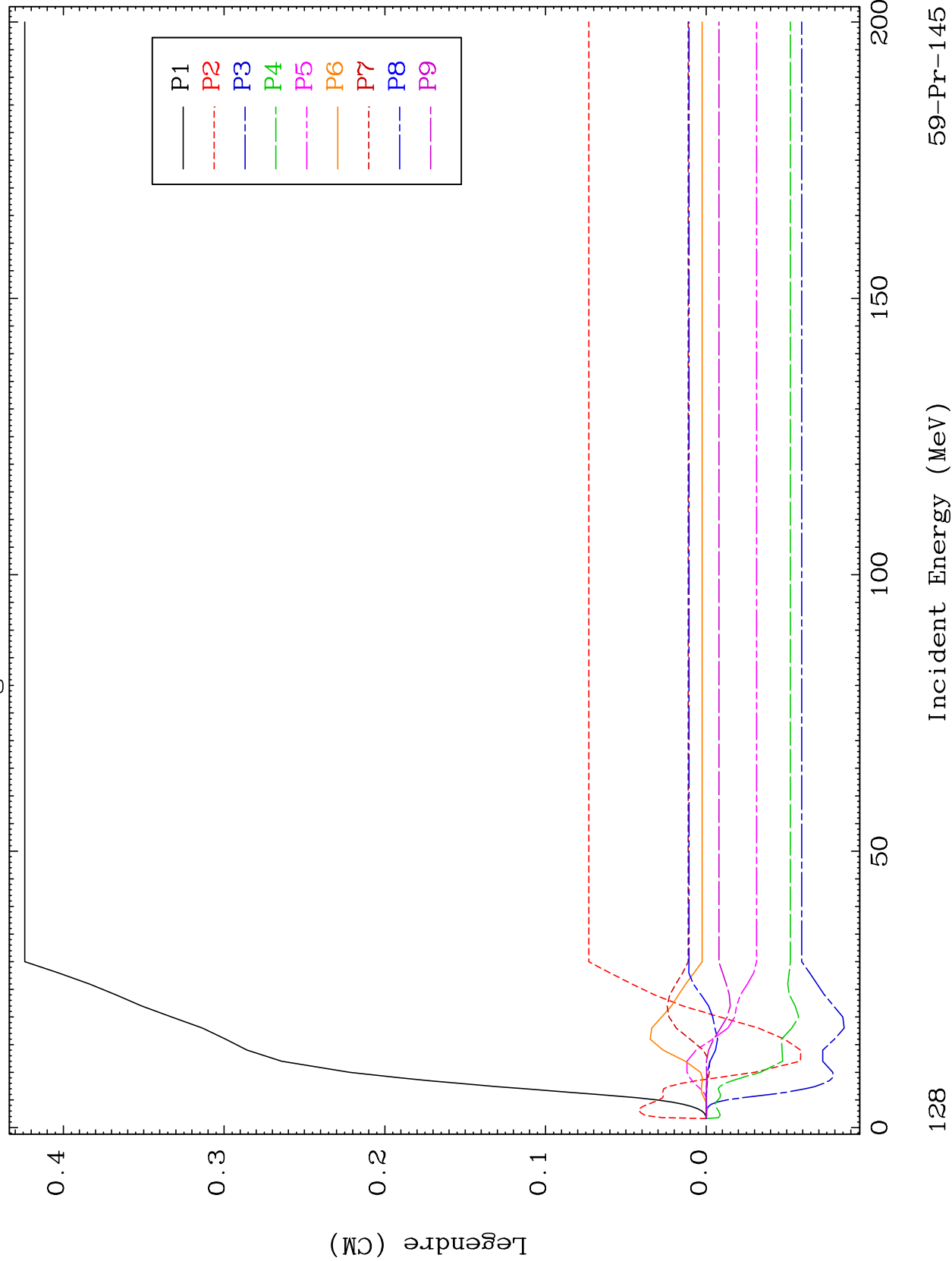
59-Pr-145



MAT 5937

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

59-Pr-145



59-Pr-145

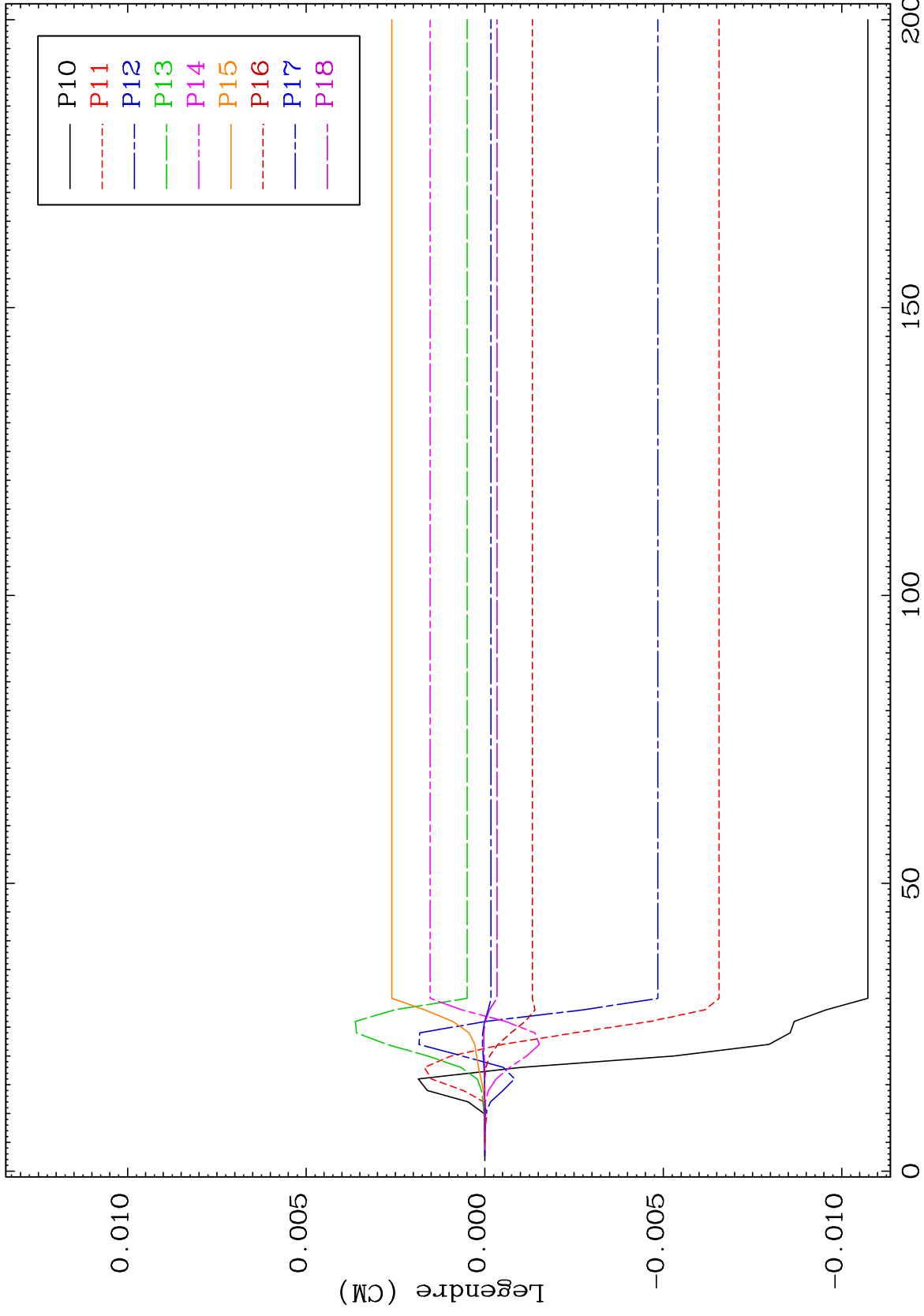
Incident Energy (MeV)

128

MAT 5937

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

59-Pr-145



129

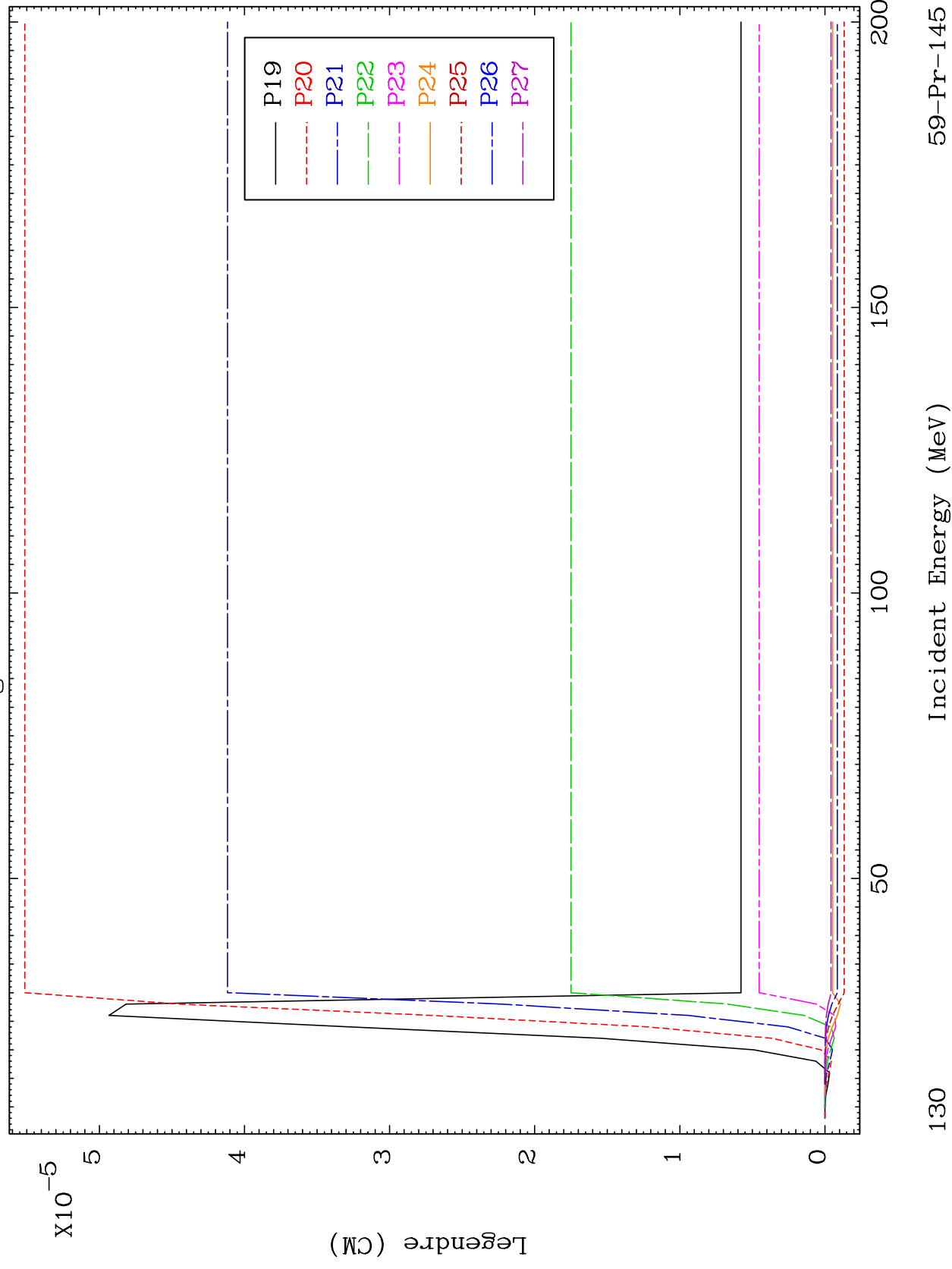
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



130

Incident Energy (MeV)

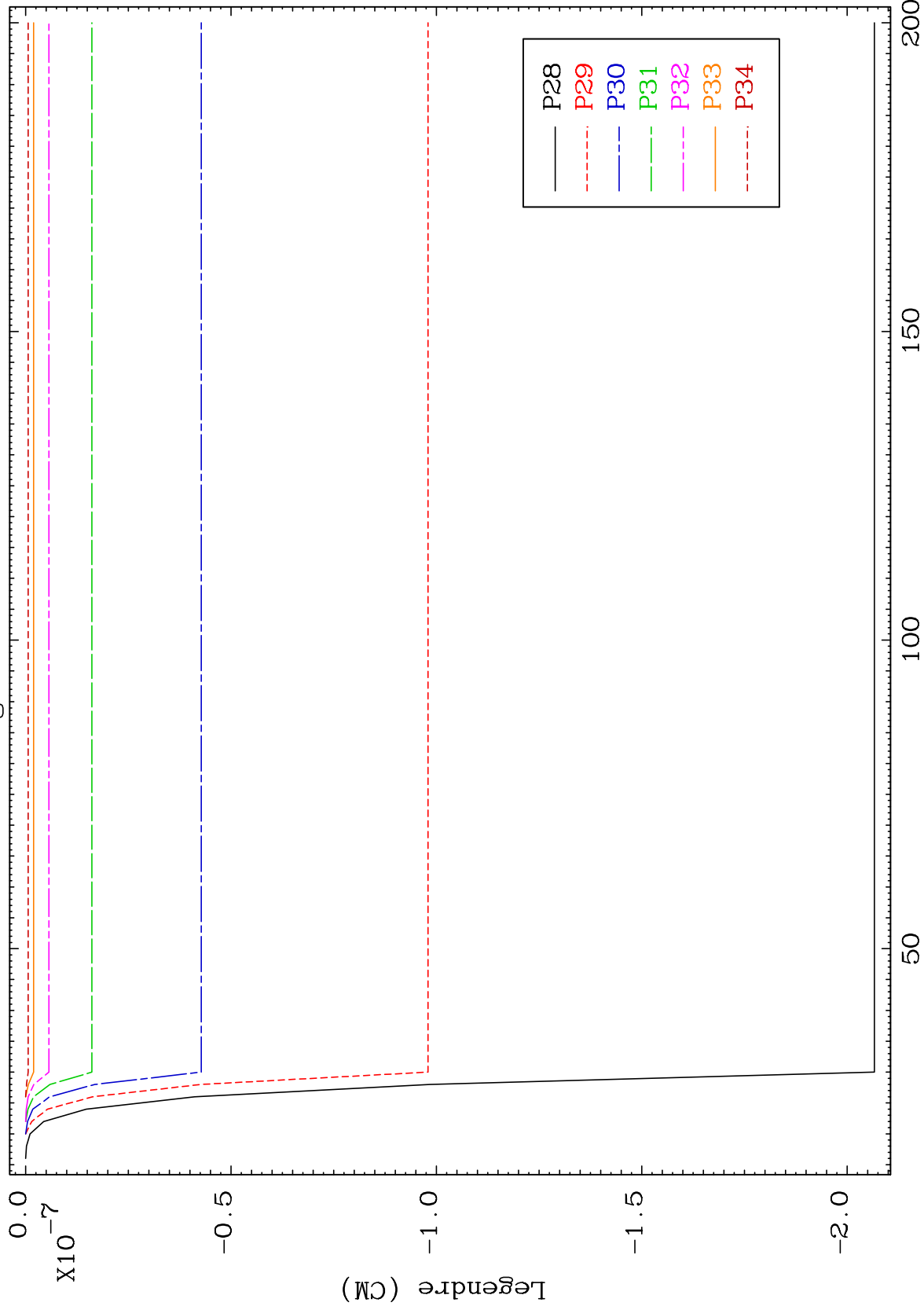
59-Pr-145

MAT 5937

MT= 78 (n,n') Level

59-Pr-145

Legendre Coefficients



131

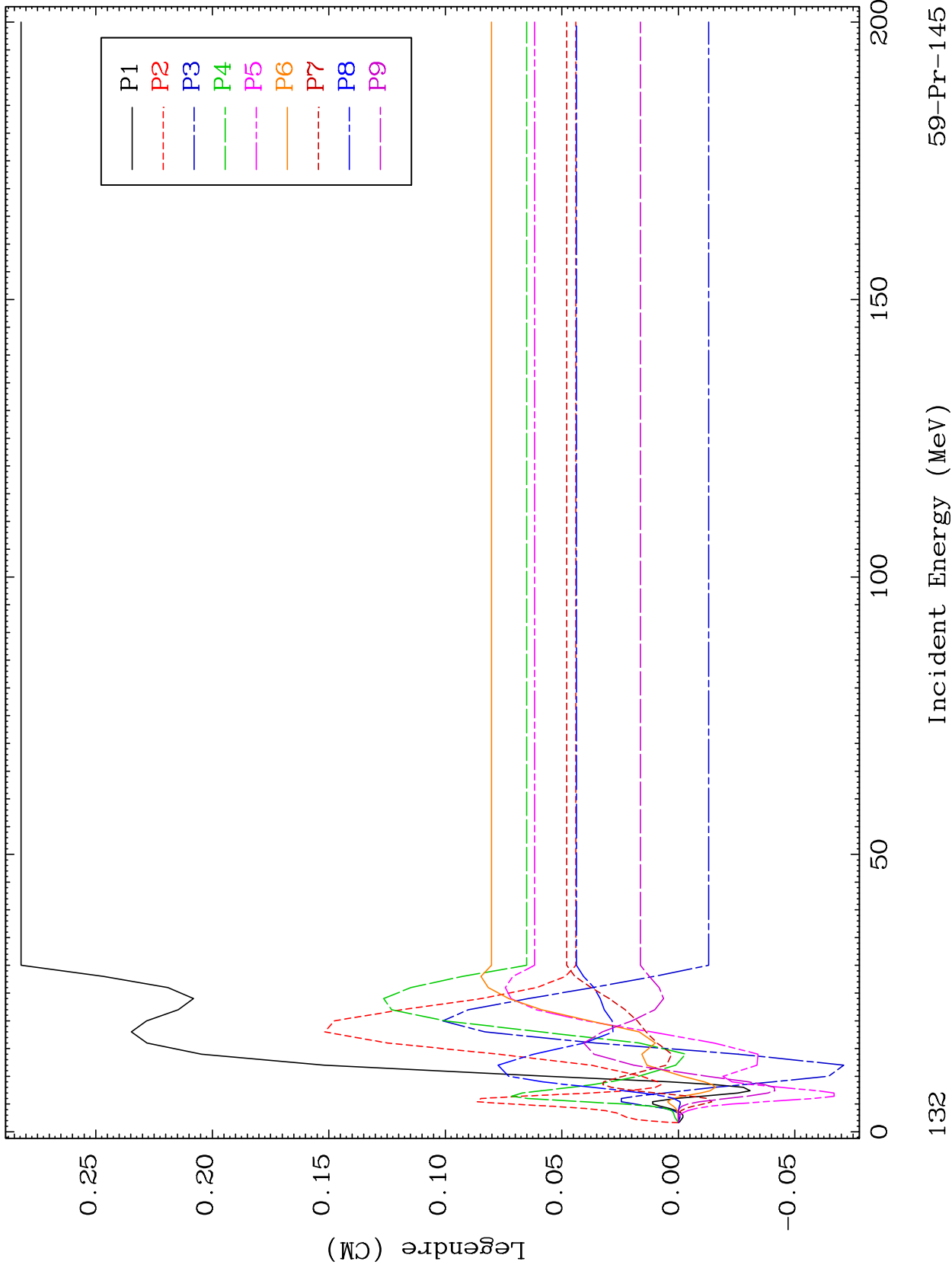
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



59-Pr-145

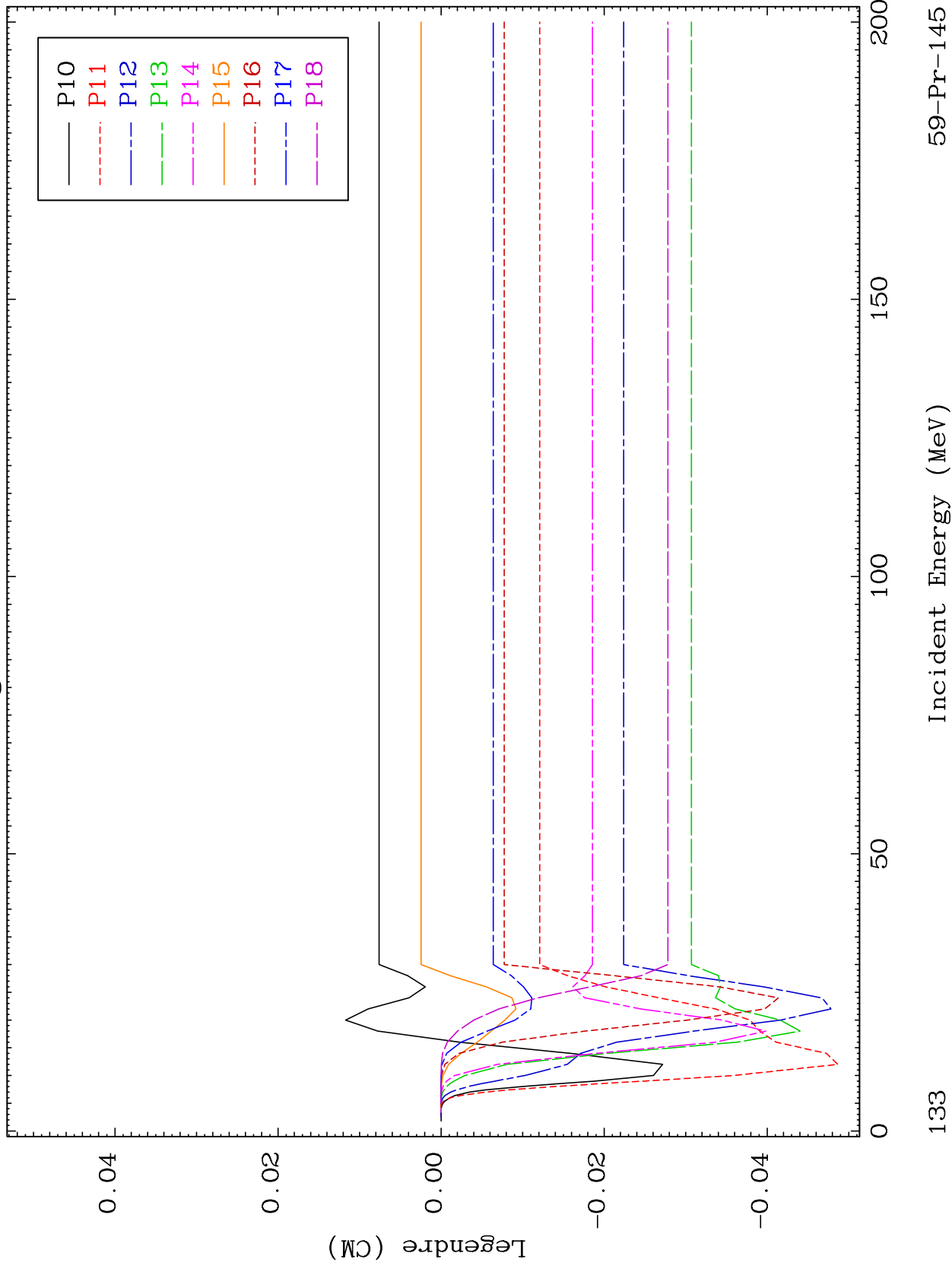
Incident Energy (MeV)

132

MAT 5937

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

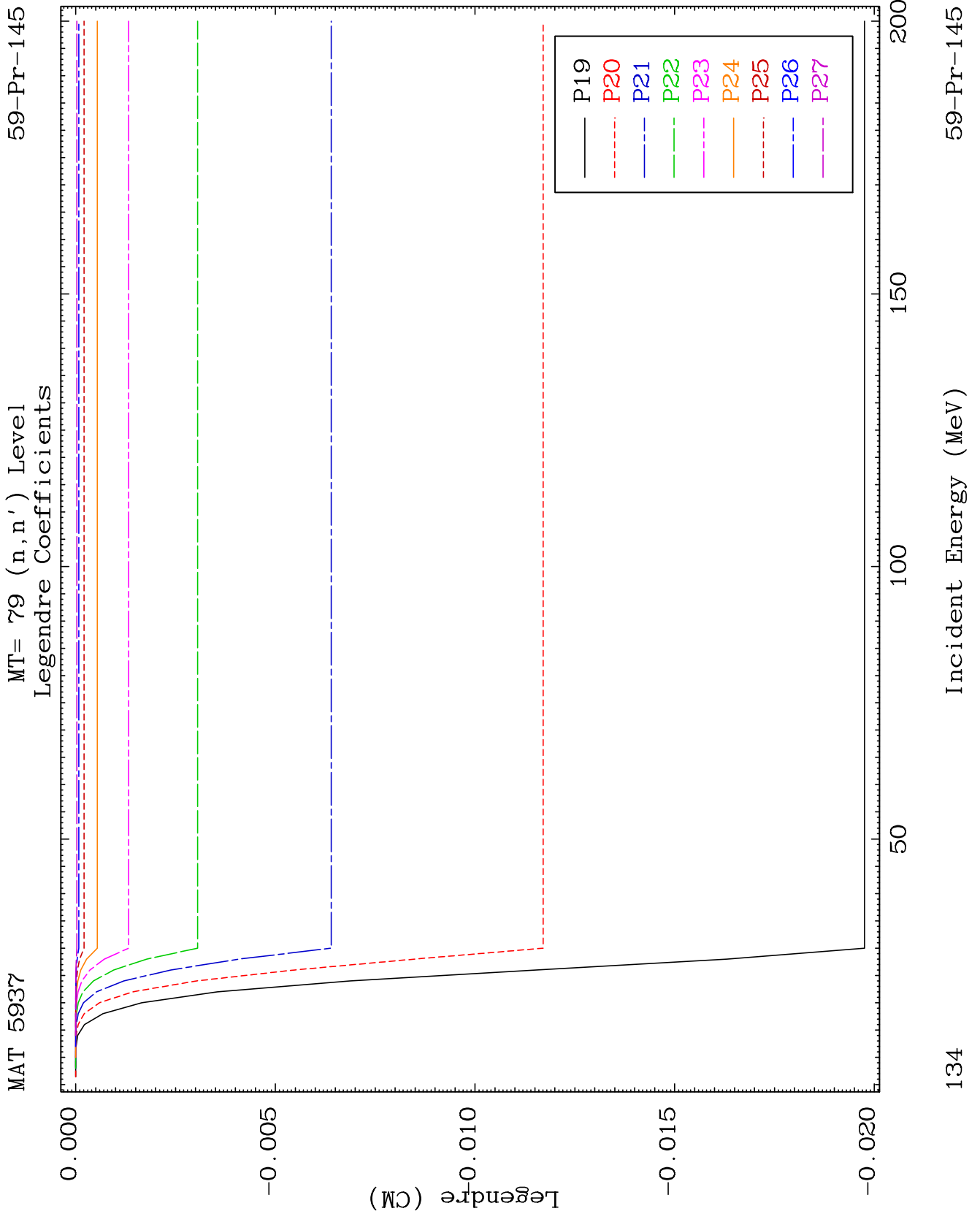
59-Pr-145

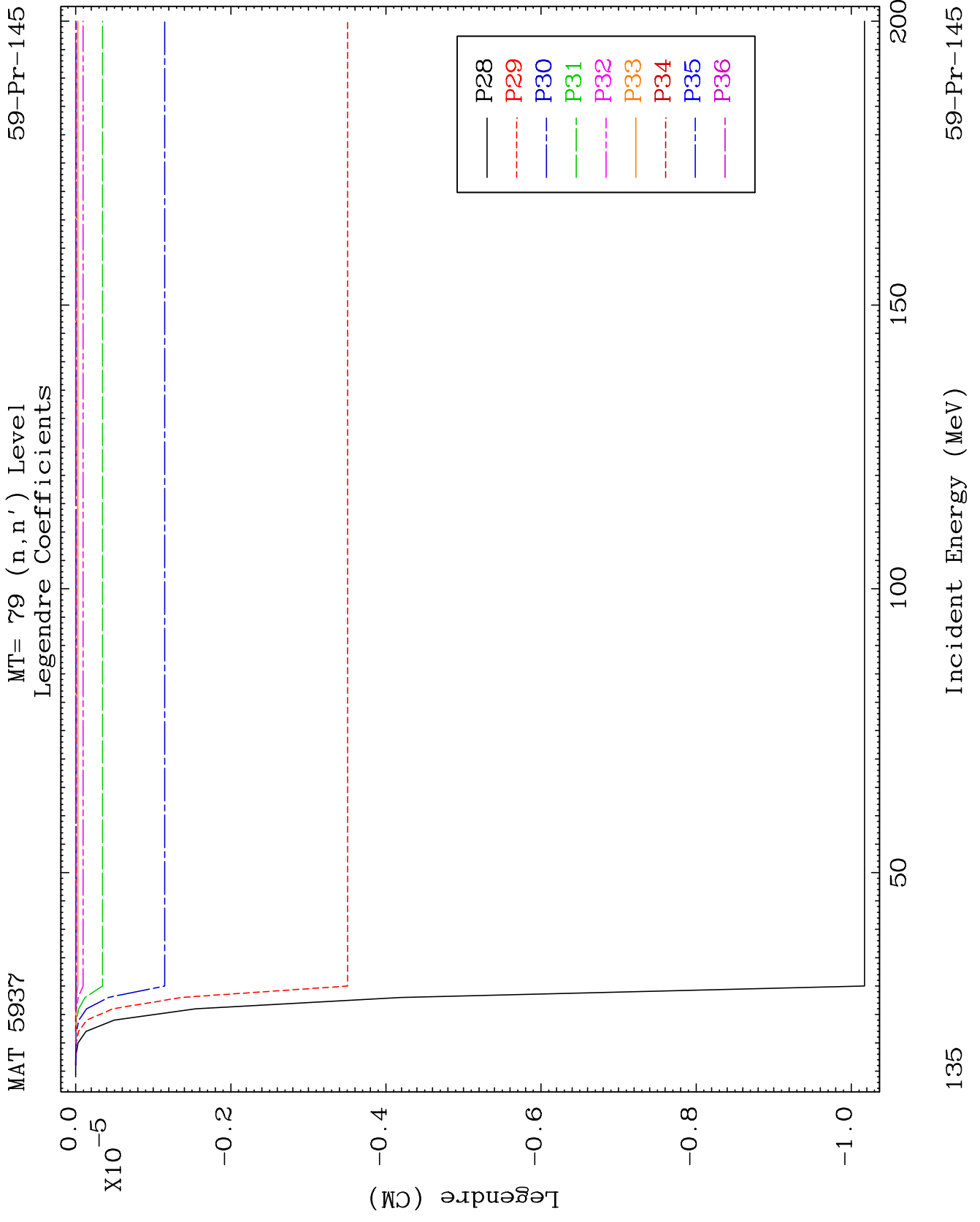


59-Pr-145

Incident Energy (MeV)

133

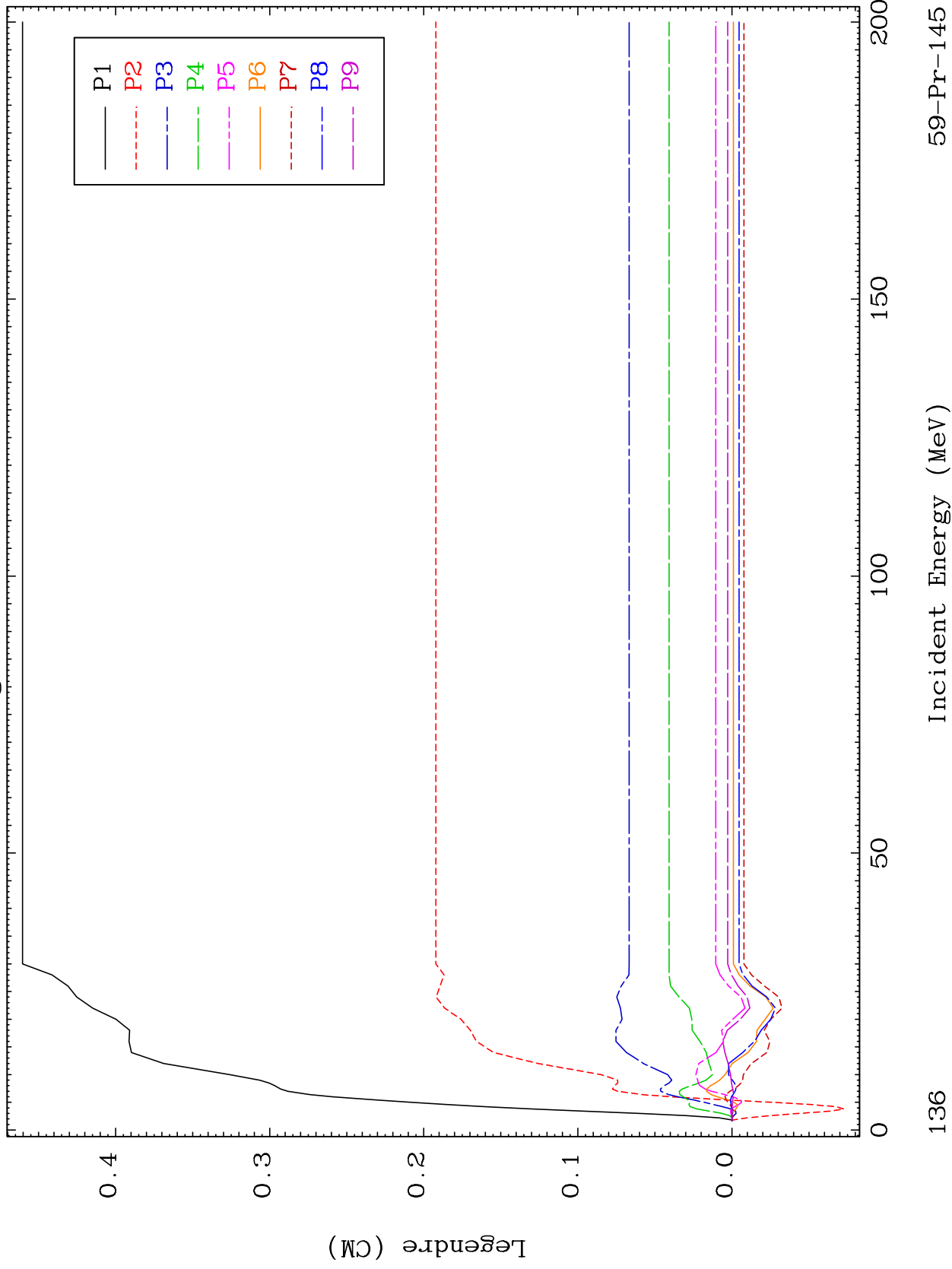




MAT 5937

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

59-Pr-145



59-Pr-145

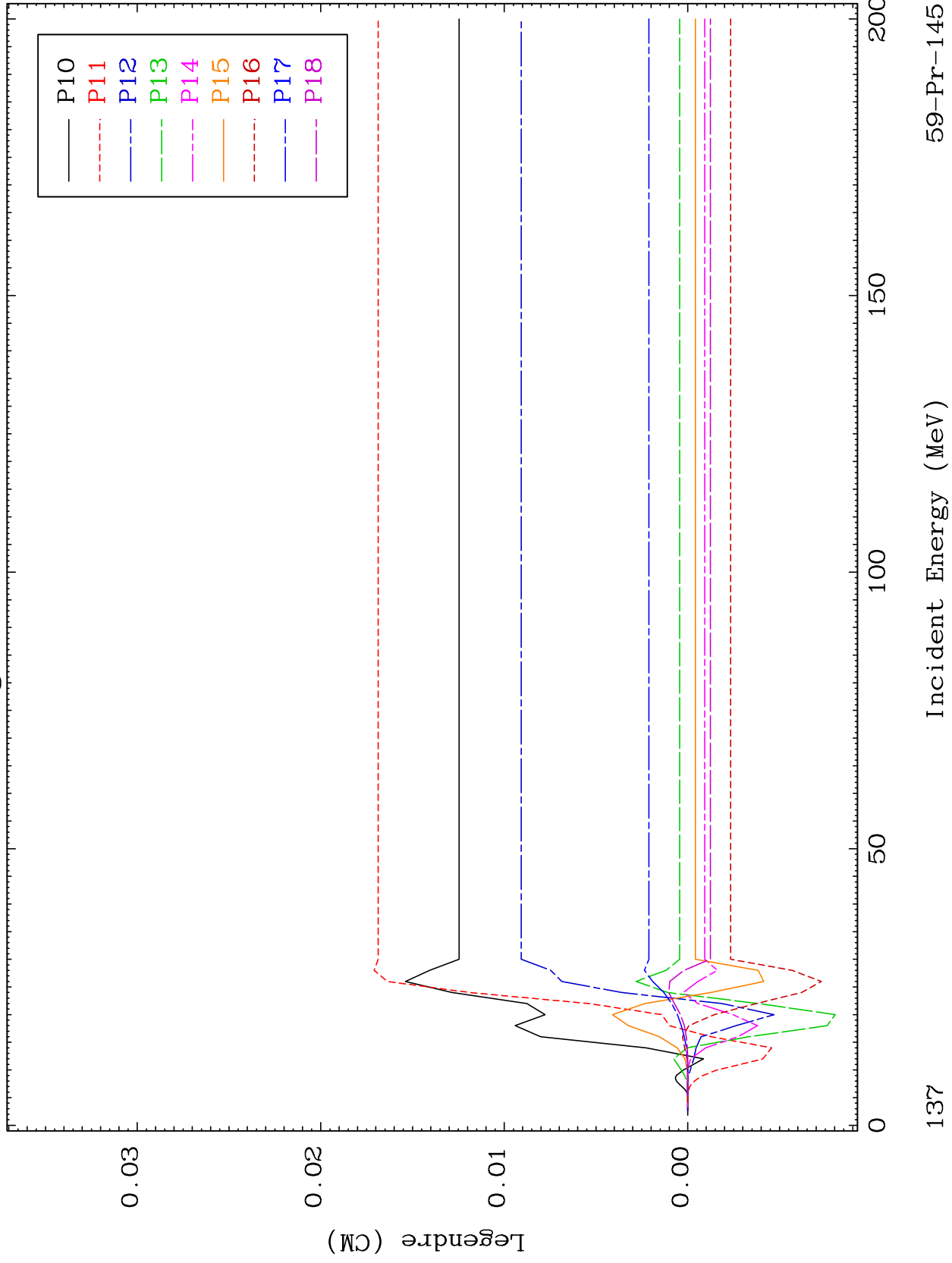
Incident Energy (MeV)

136

MAT 5937

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

59-Pr-145



137

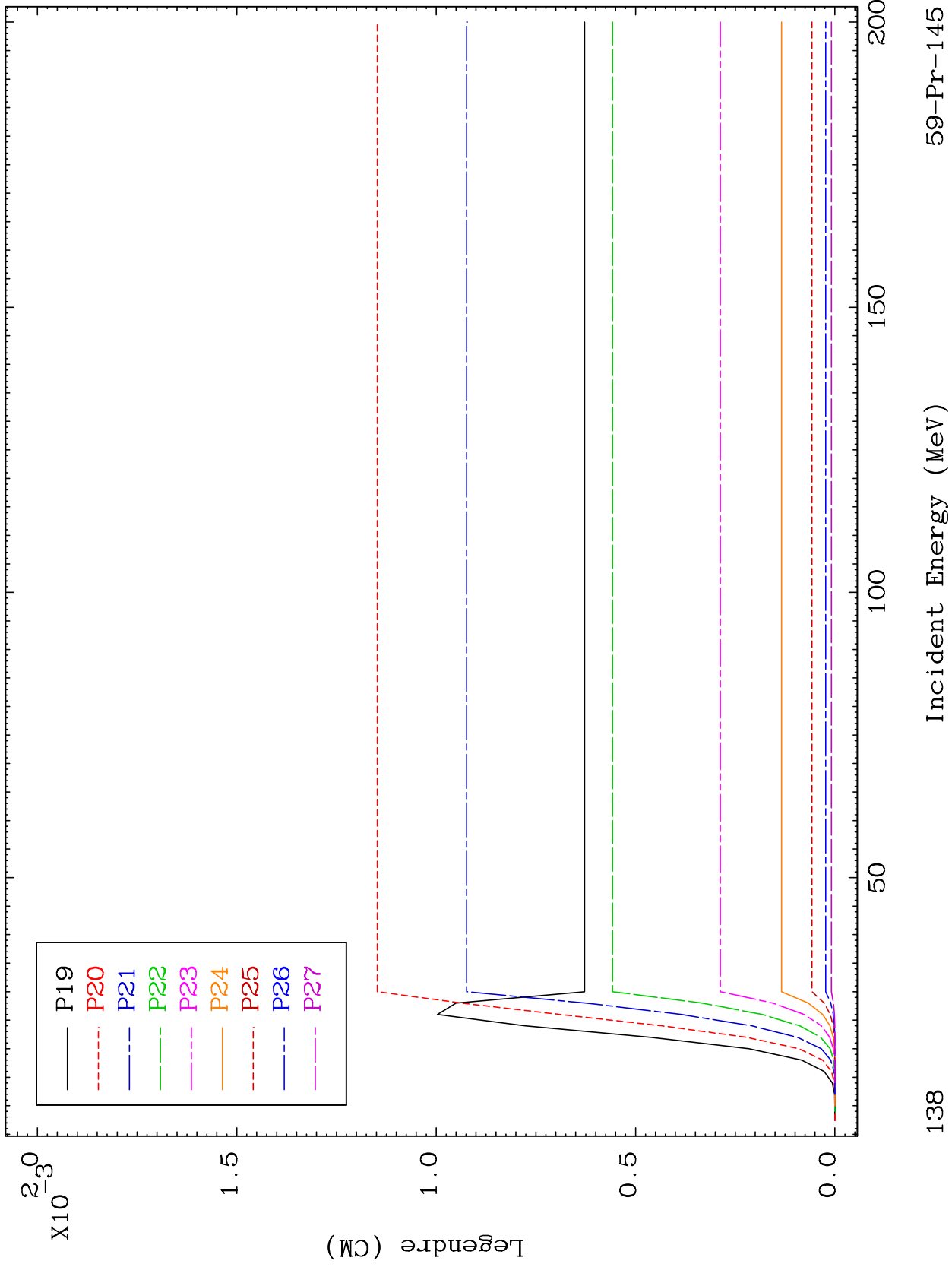
Incident Energy (MeV)

59-Pr-145

MAT 5937

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

59-Pr-145



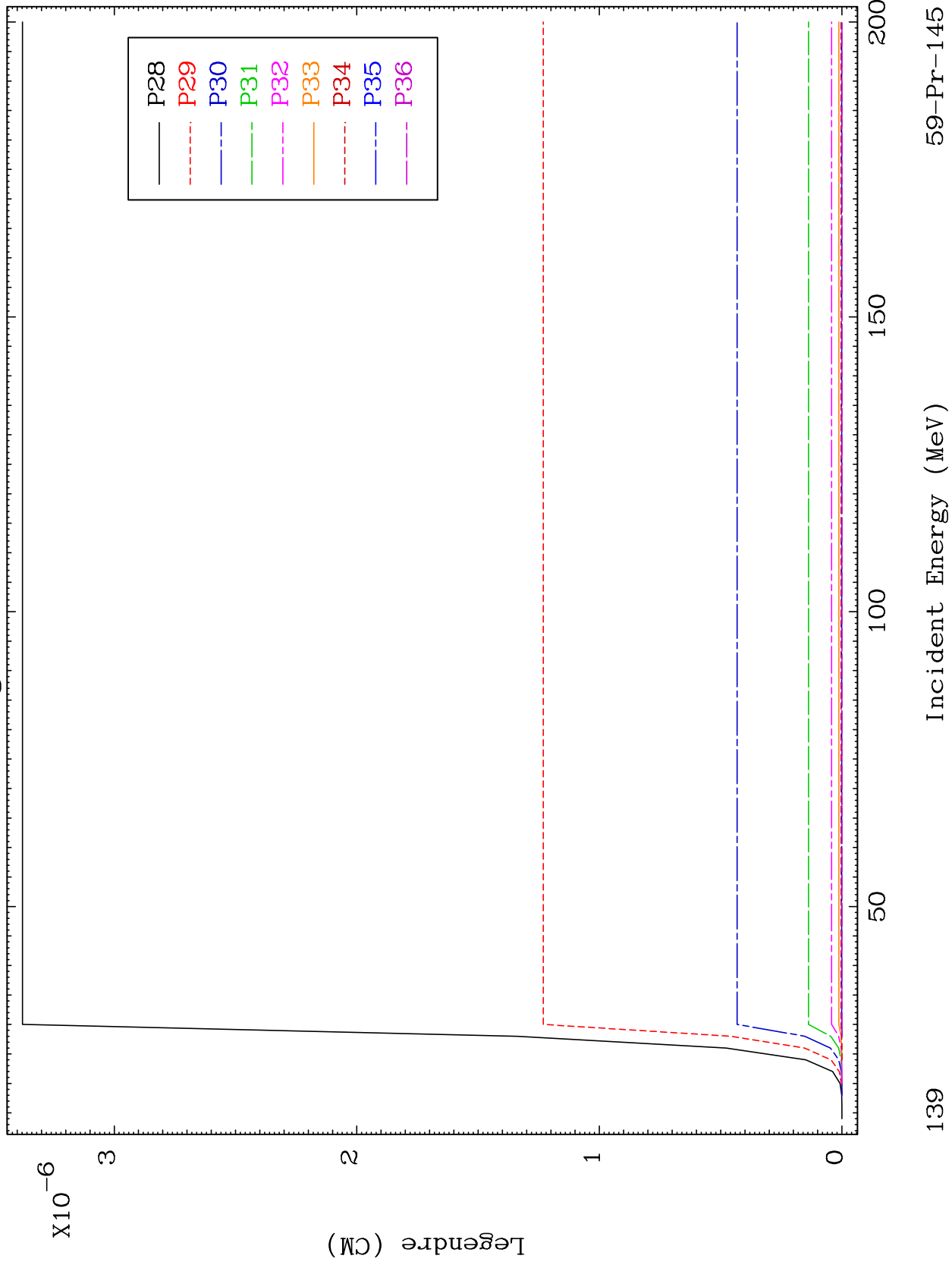
138

59-Pr-145

MAT 5937

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

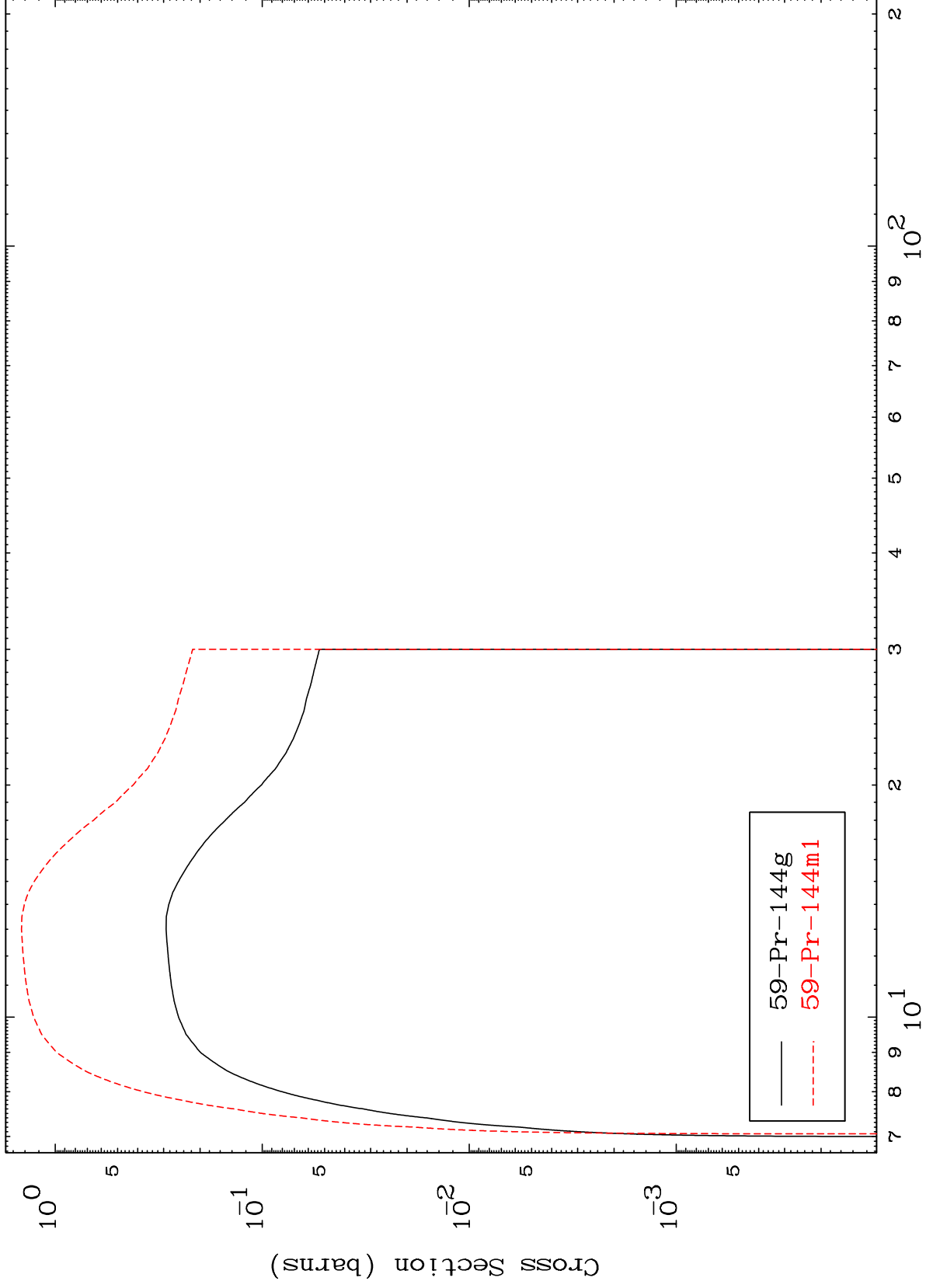
59-Pr-145



MAT 5937

59-Pr-145

(n,2n)
Radionuclide Production Cross Section



— 59-Pr-144g
- - - 59-Pr-144m1

59-Pr-145

Incident Energy (MeV)

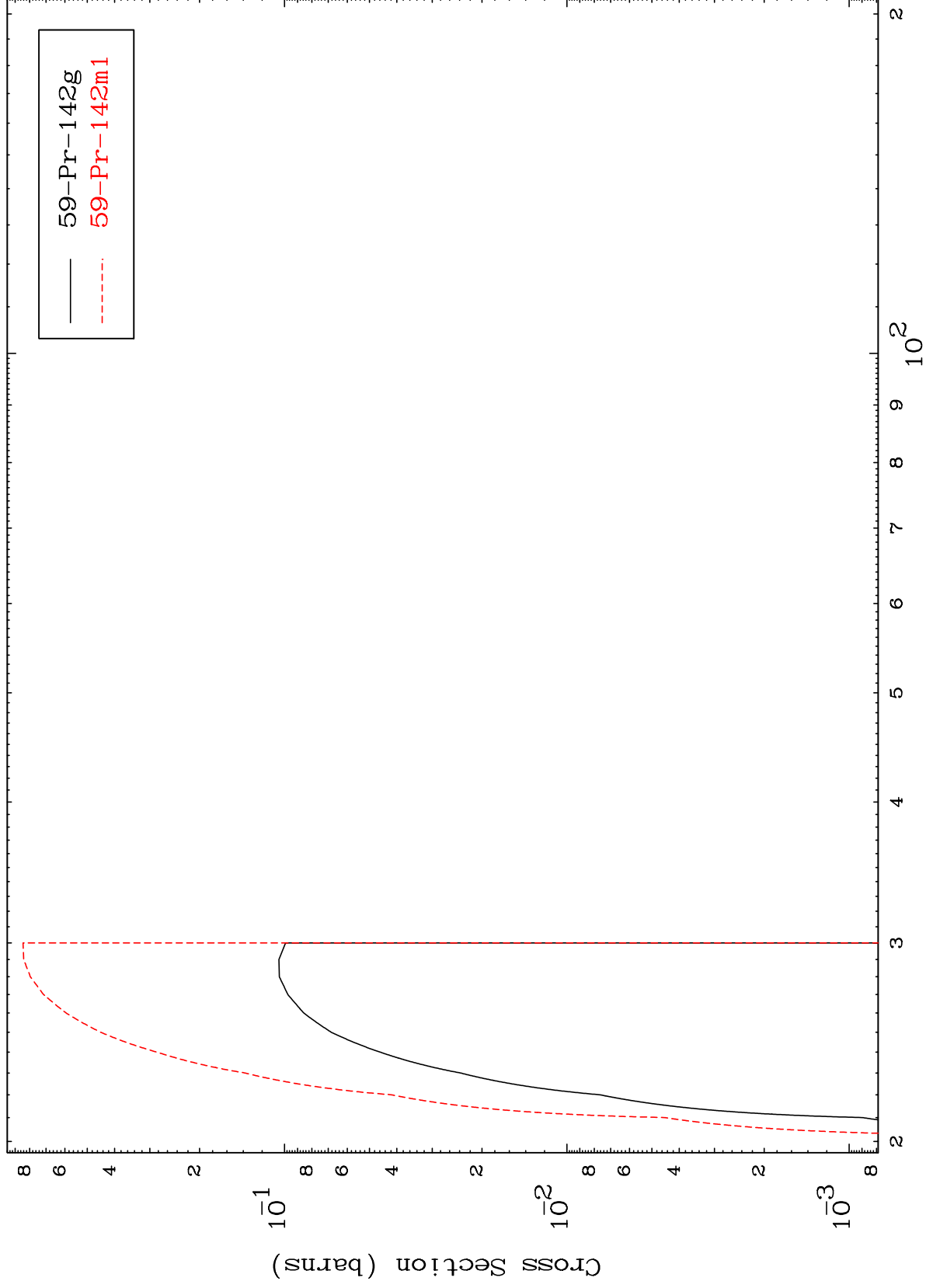
140

MAT 5937

(n,4n)

59-Pr-145

Radionuclide Production Cross Section



141

Incident Energy (MeV)

59-Pr-145

MAT 5937

(n,2α)

59-Pr-145

Radionuclide Production Cross Section

