

Program EVALPLOT  
(Version 2021-1)

by

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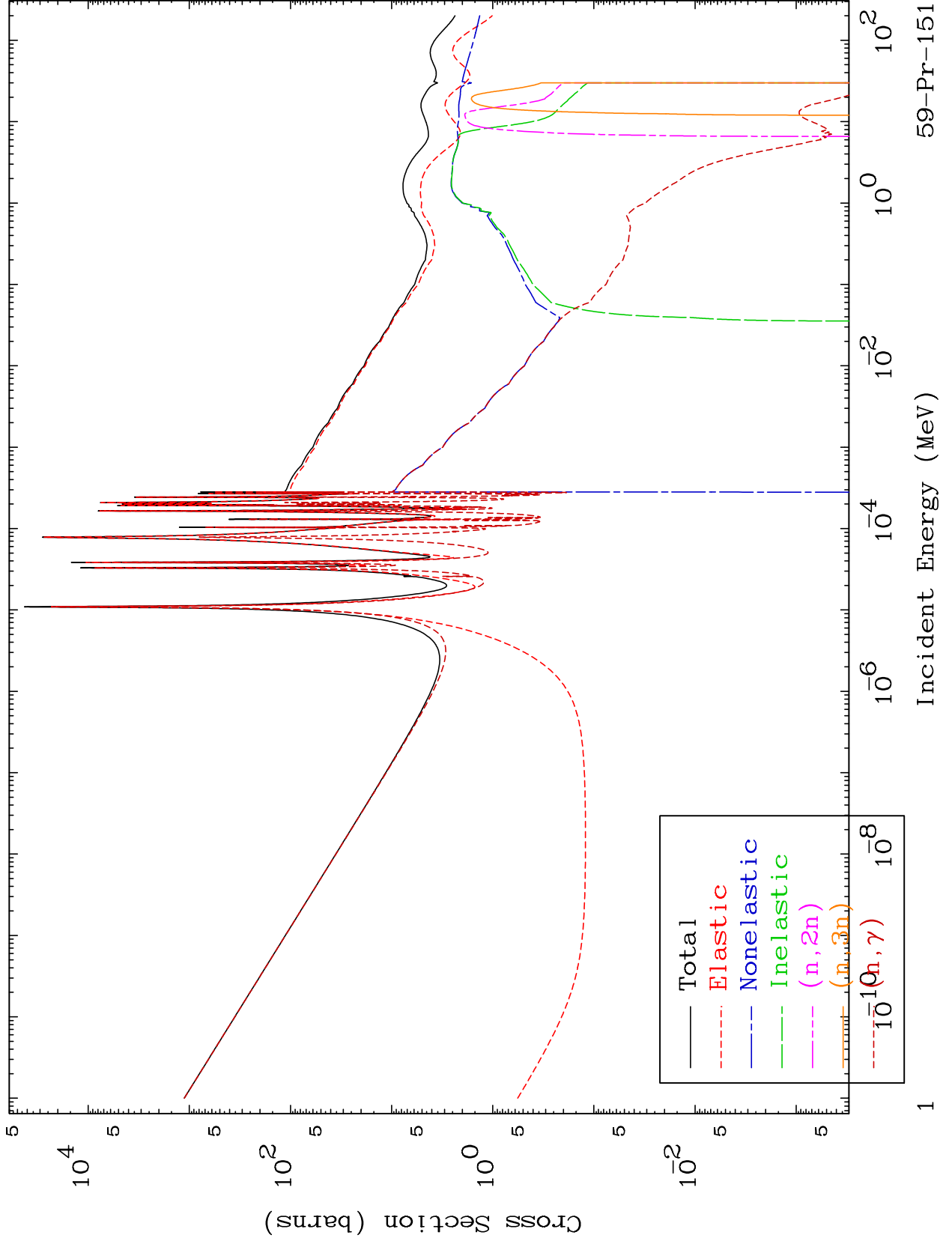
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5955

Neutron Major  
293 Kelvin Cross Sections

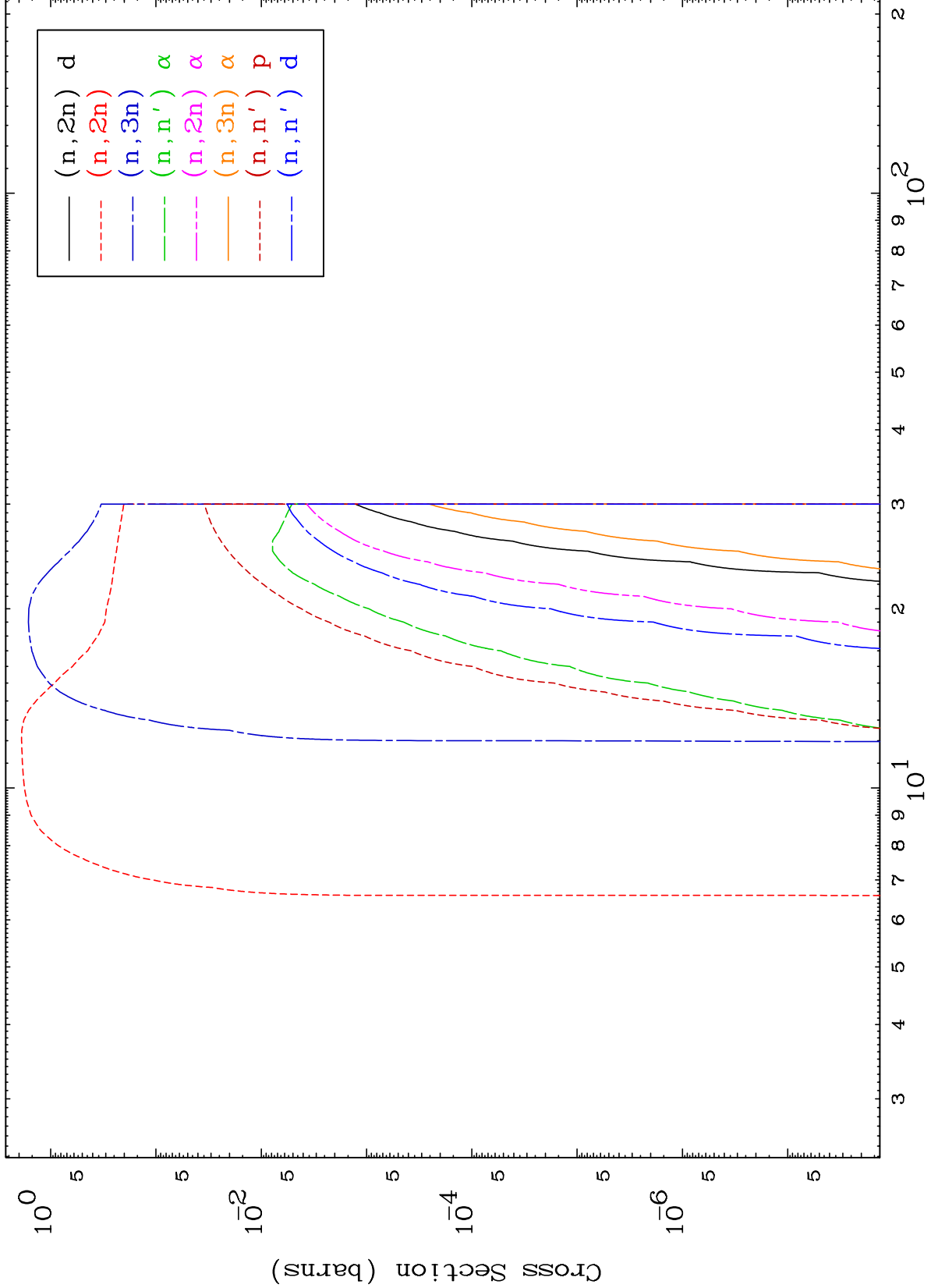
59-Pr-151

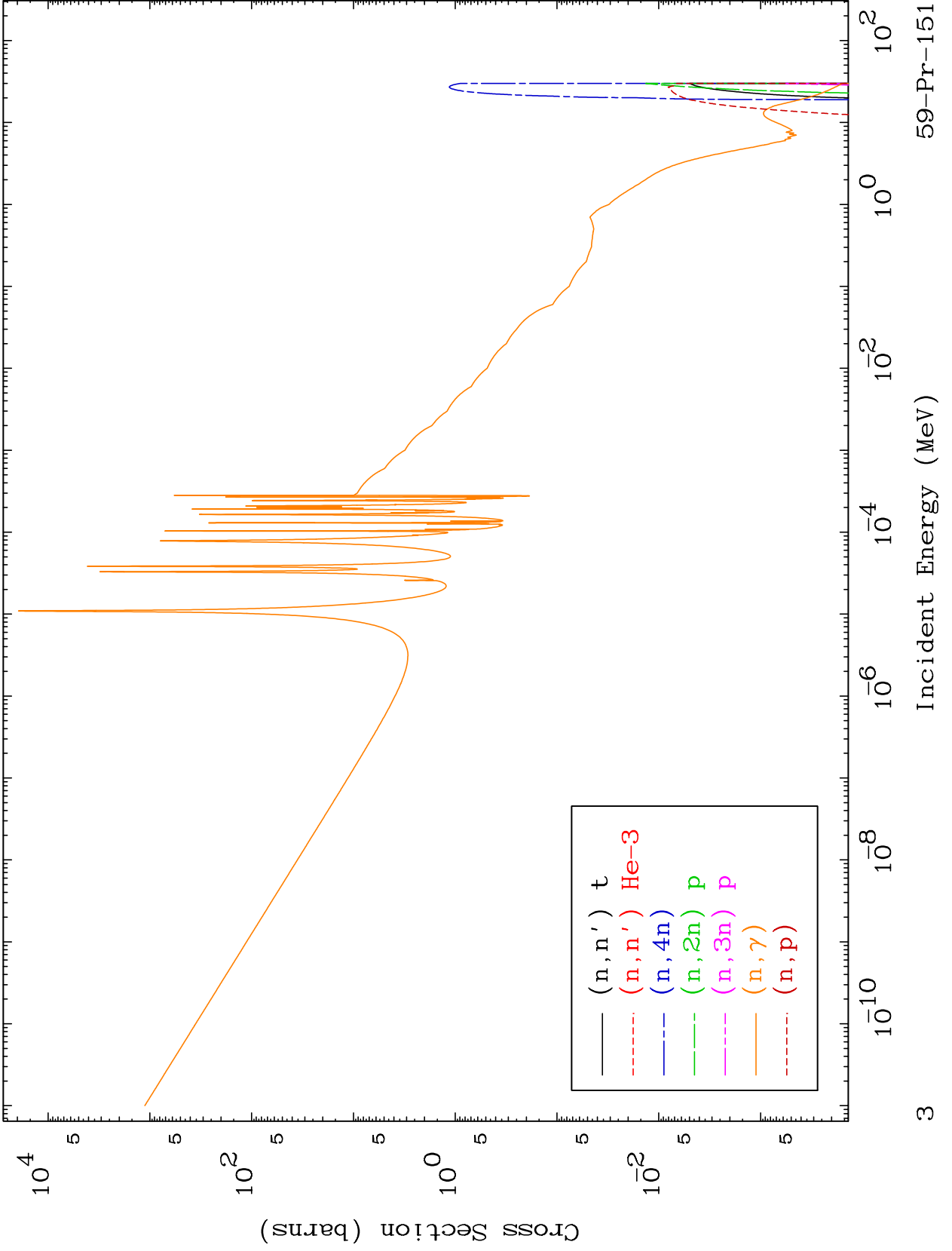


59-Pr-151

Incident Energy (MeV)

1

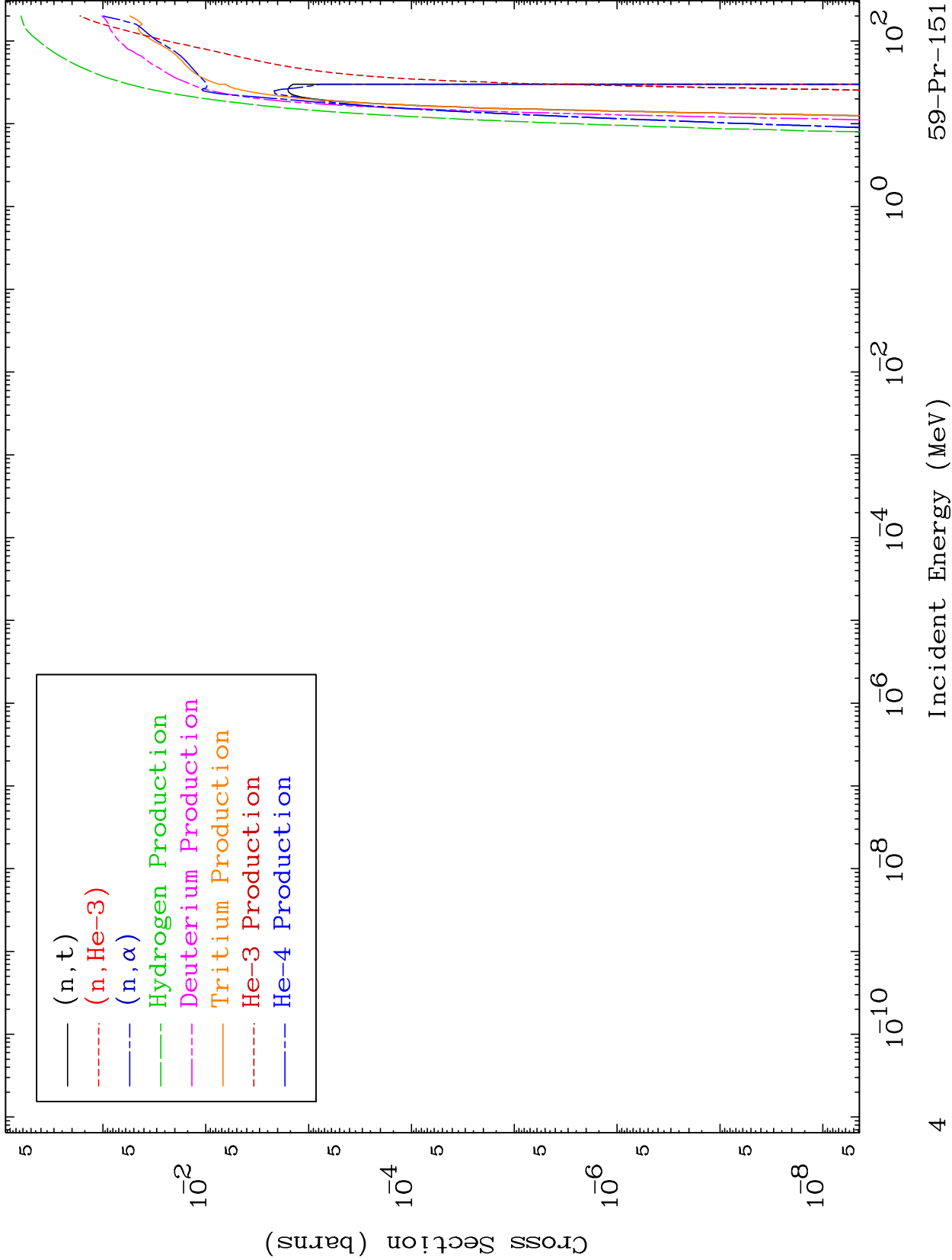


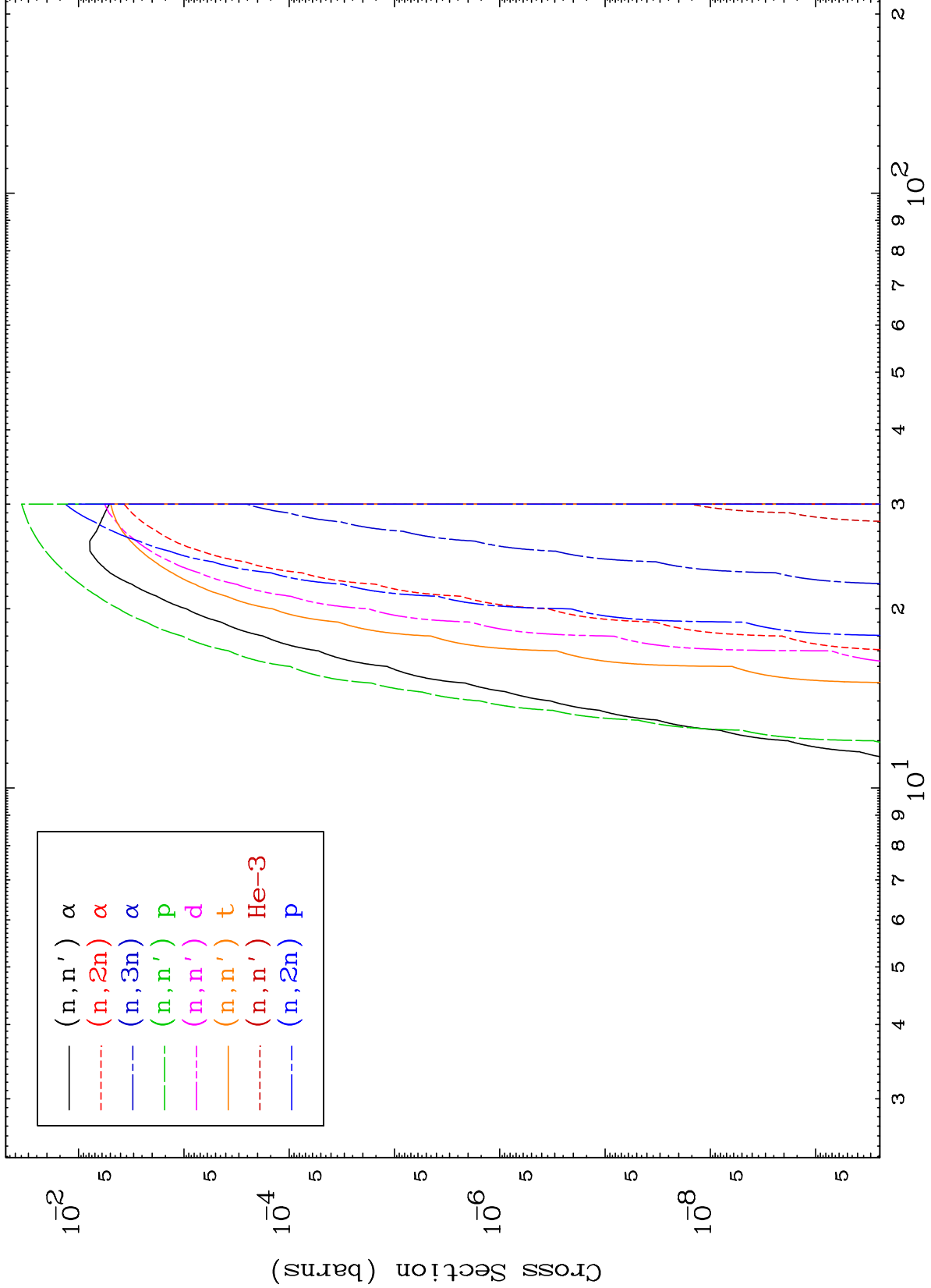


MAT 5955

Neutron Absorption  
293 Kelvin Cross Sections

59-Pr-151

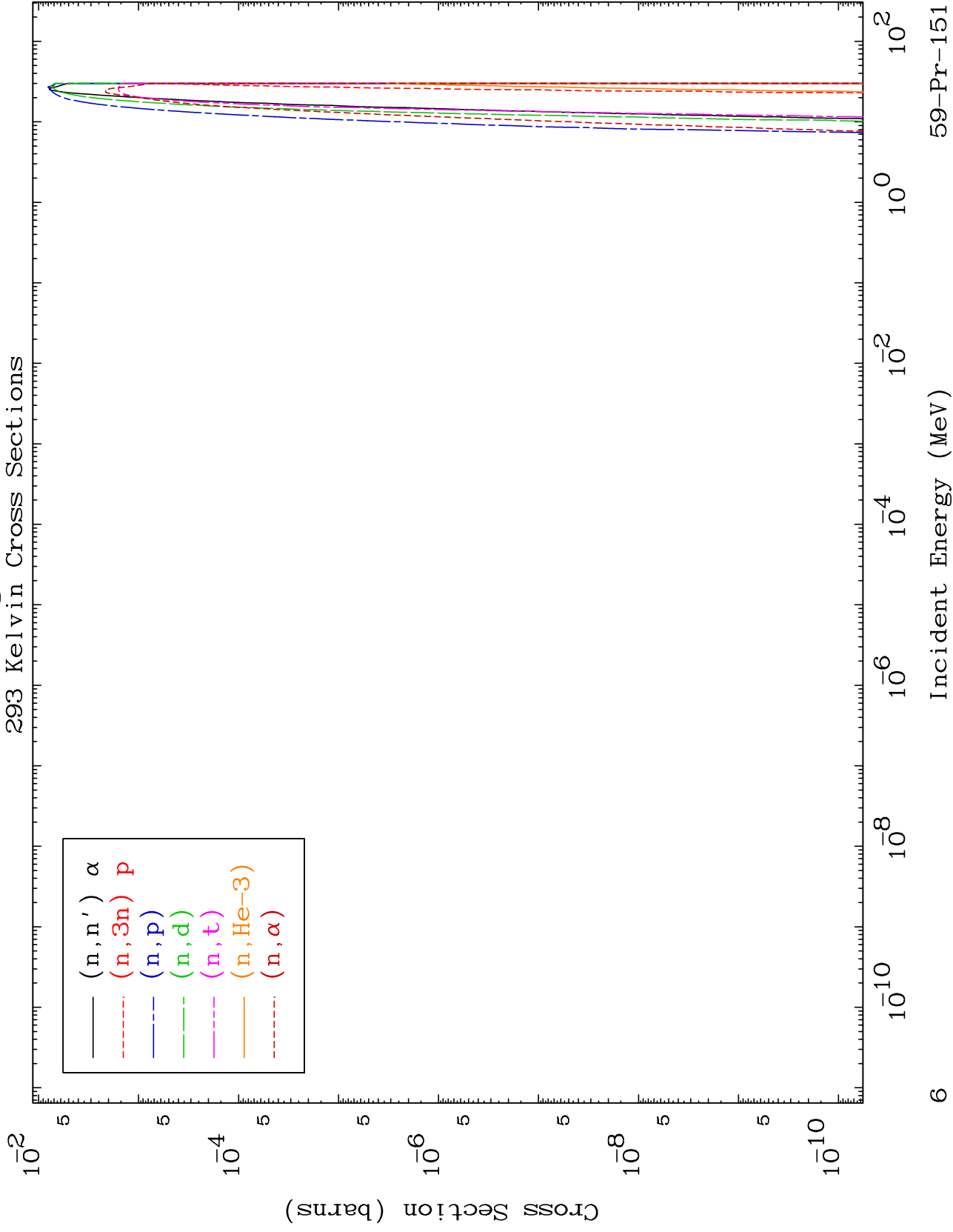


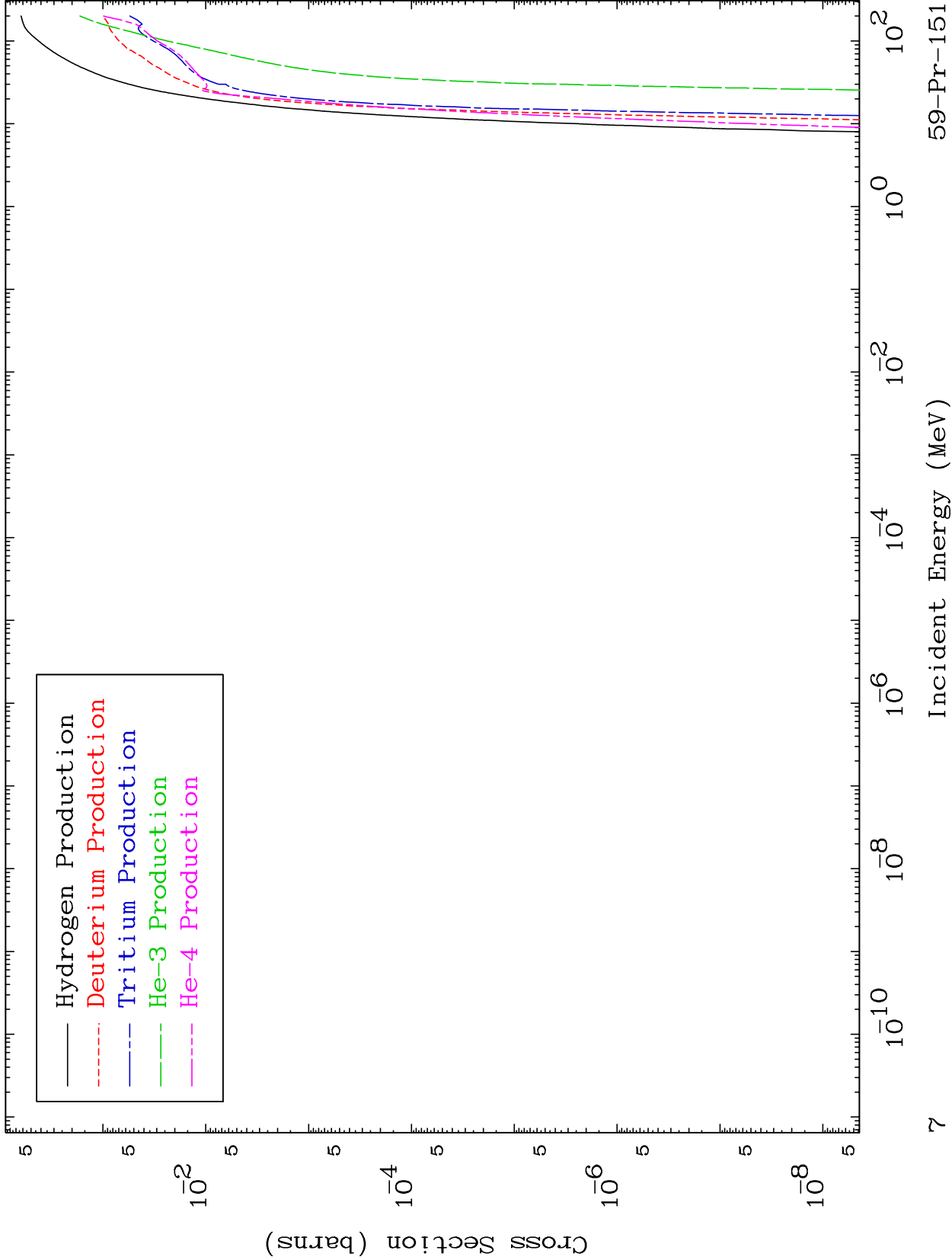


MAT 5955

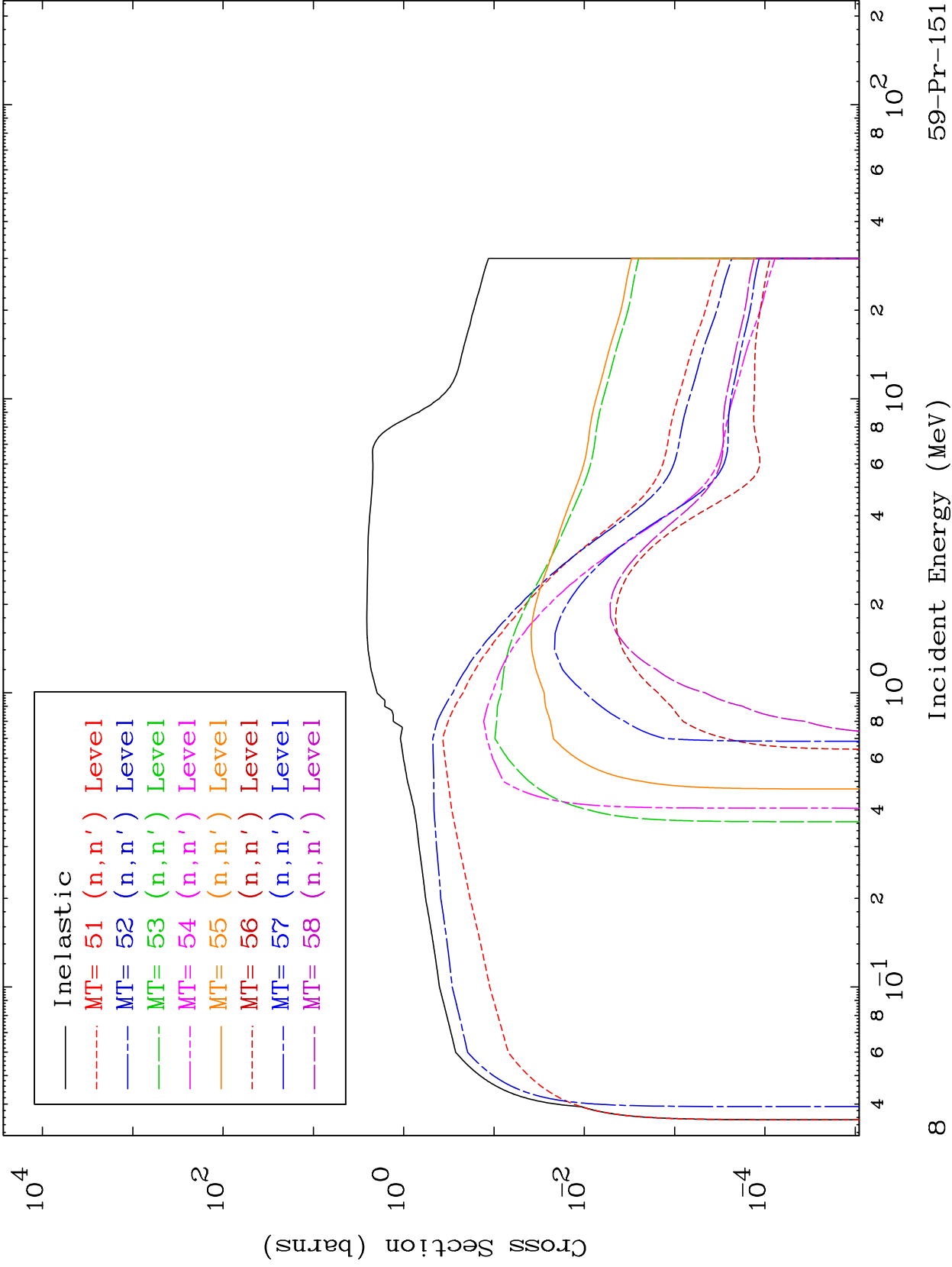
Charged Particle  
293 Kelvin Cross Sections

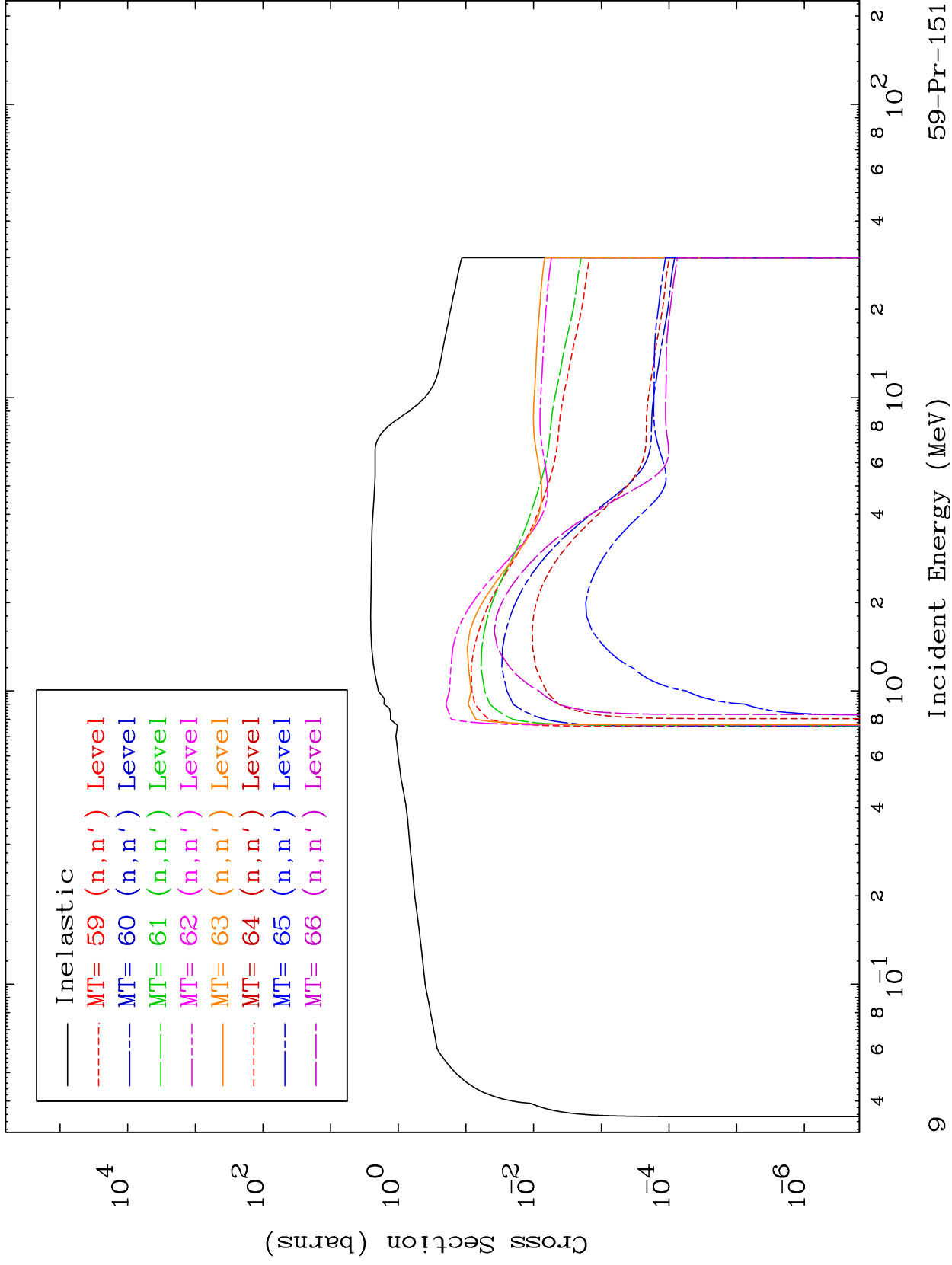
59-Pr-151

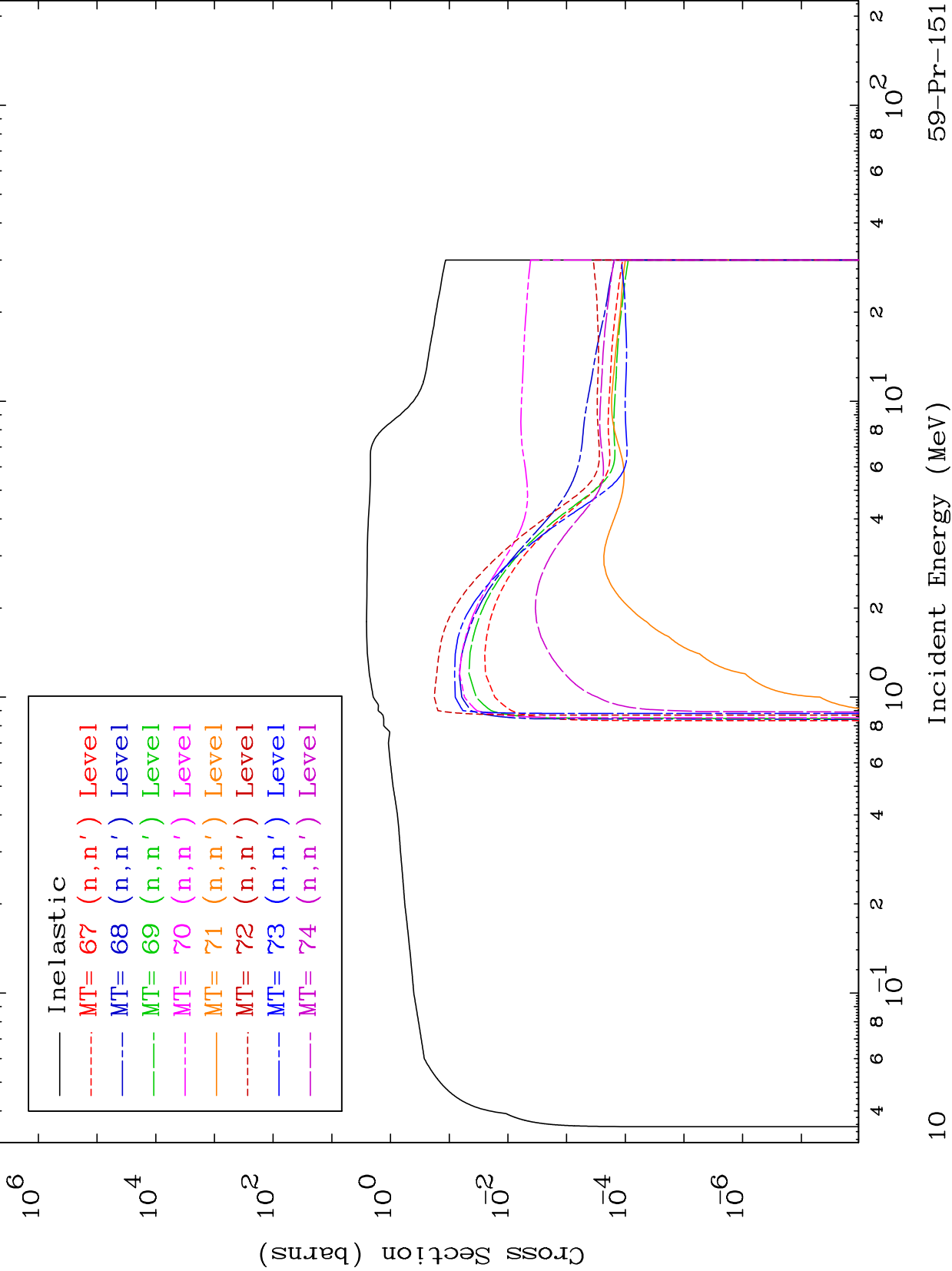


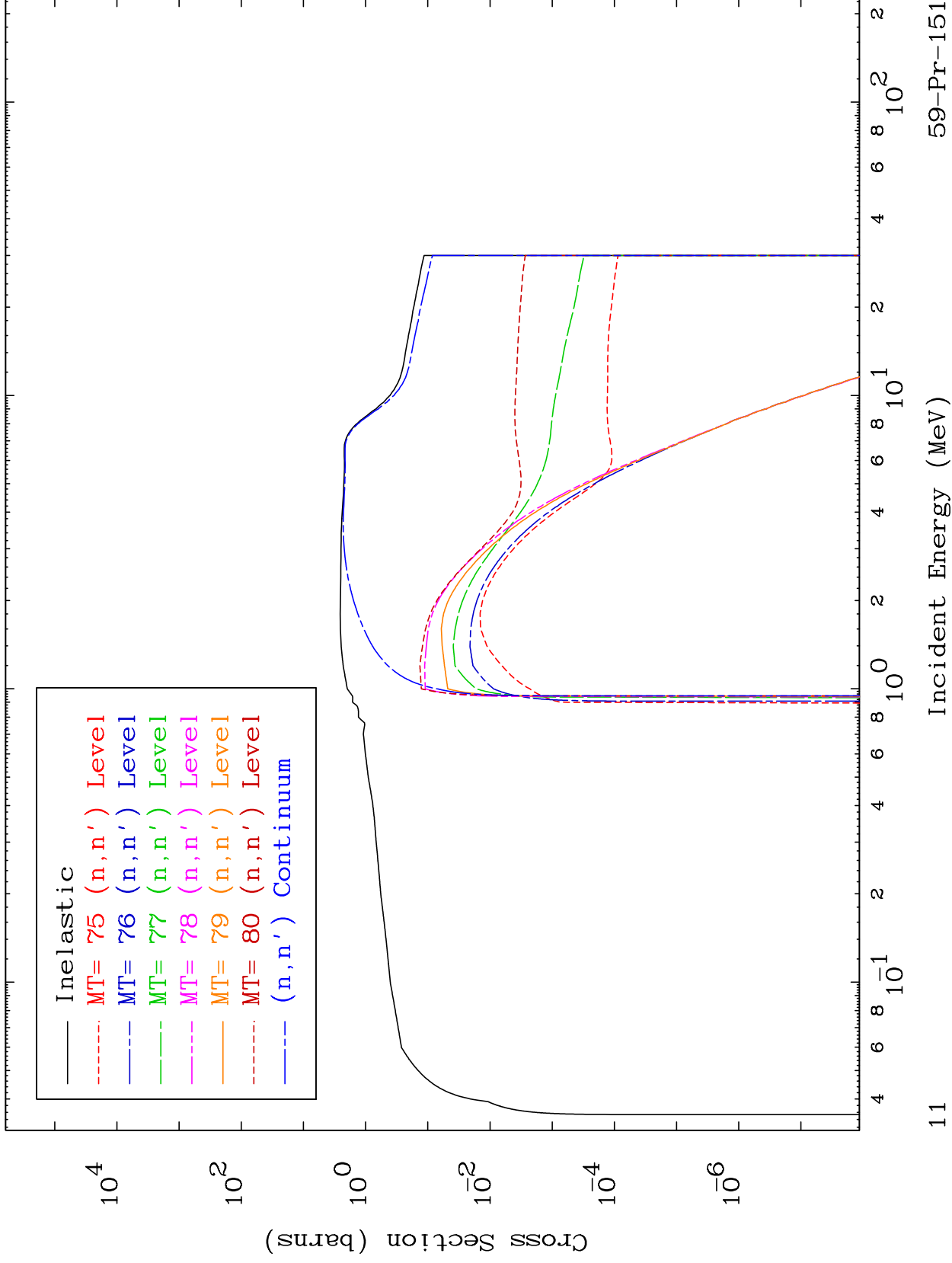








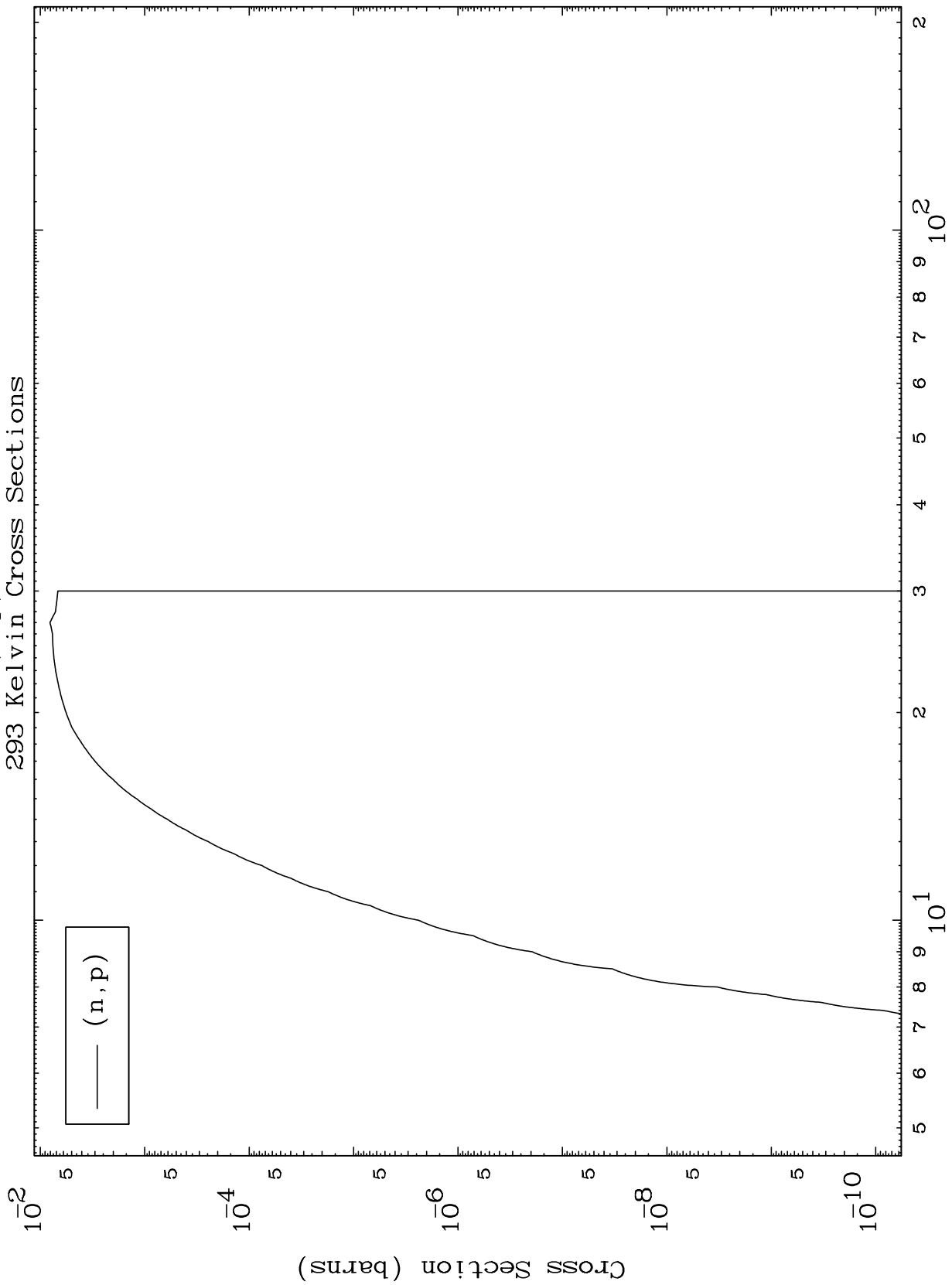




MAT 5955

59-Pr-151

(n,p) Levels  
293 Kelvin Cross Sections



(n,p)

59-Pr-151

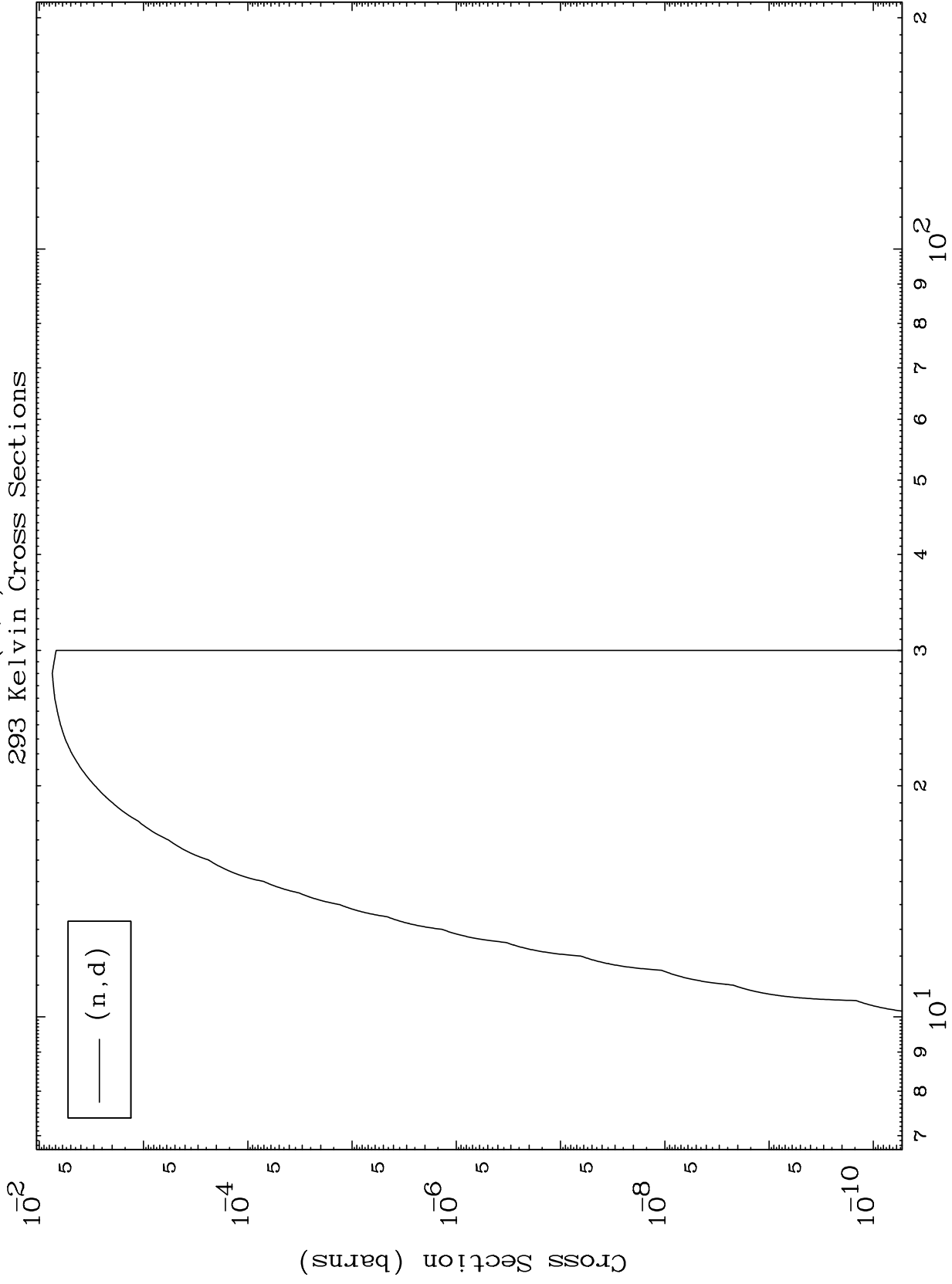
Incident Energy (MeV)

12

MAT 5955

(n,d) Levels  
293 Kelvin Cross Sections

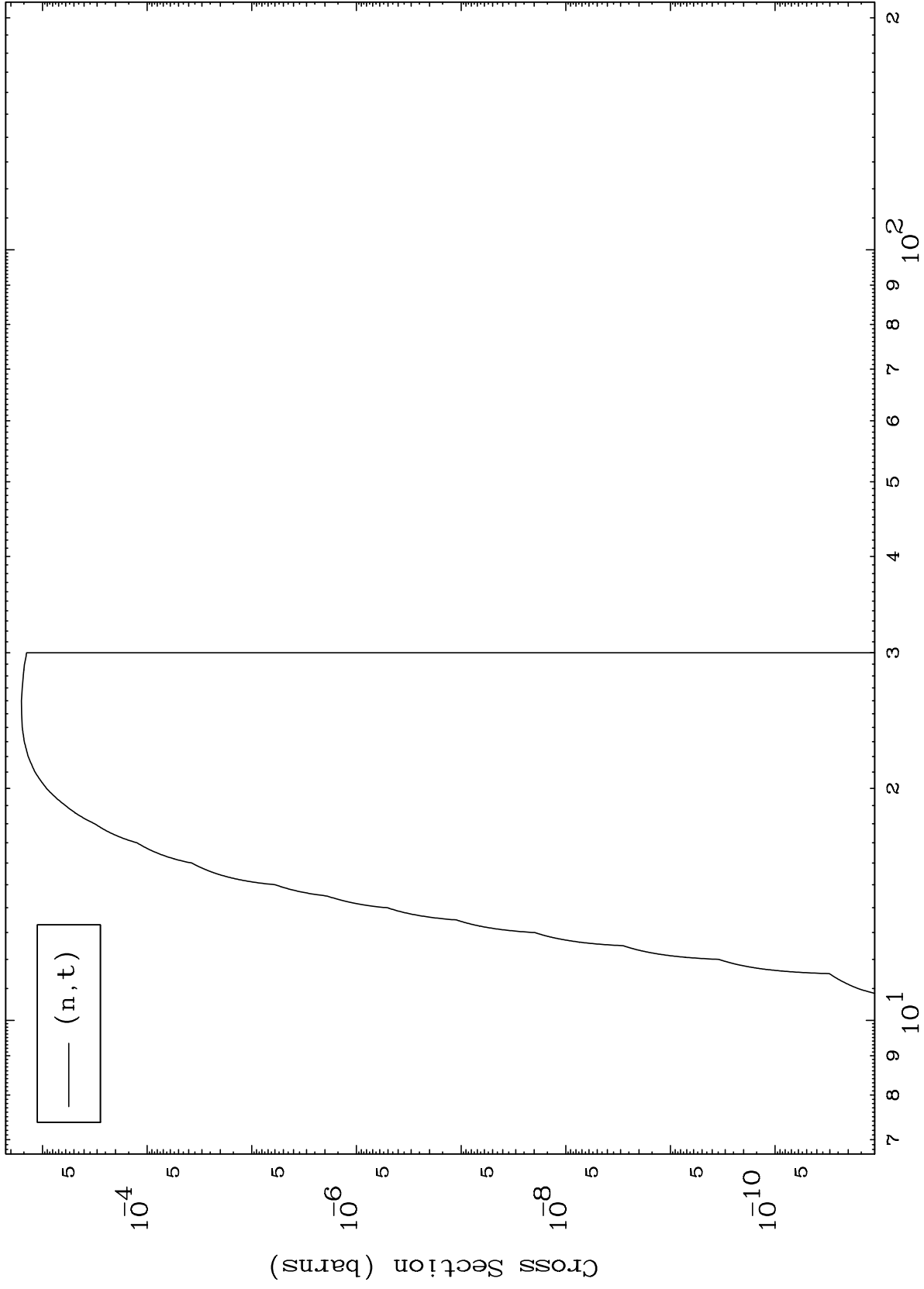
59-Pr-151



MAT 5955

(n,t) Levels  
293 Kelvin Cross Sections

59-Pr-151

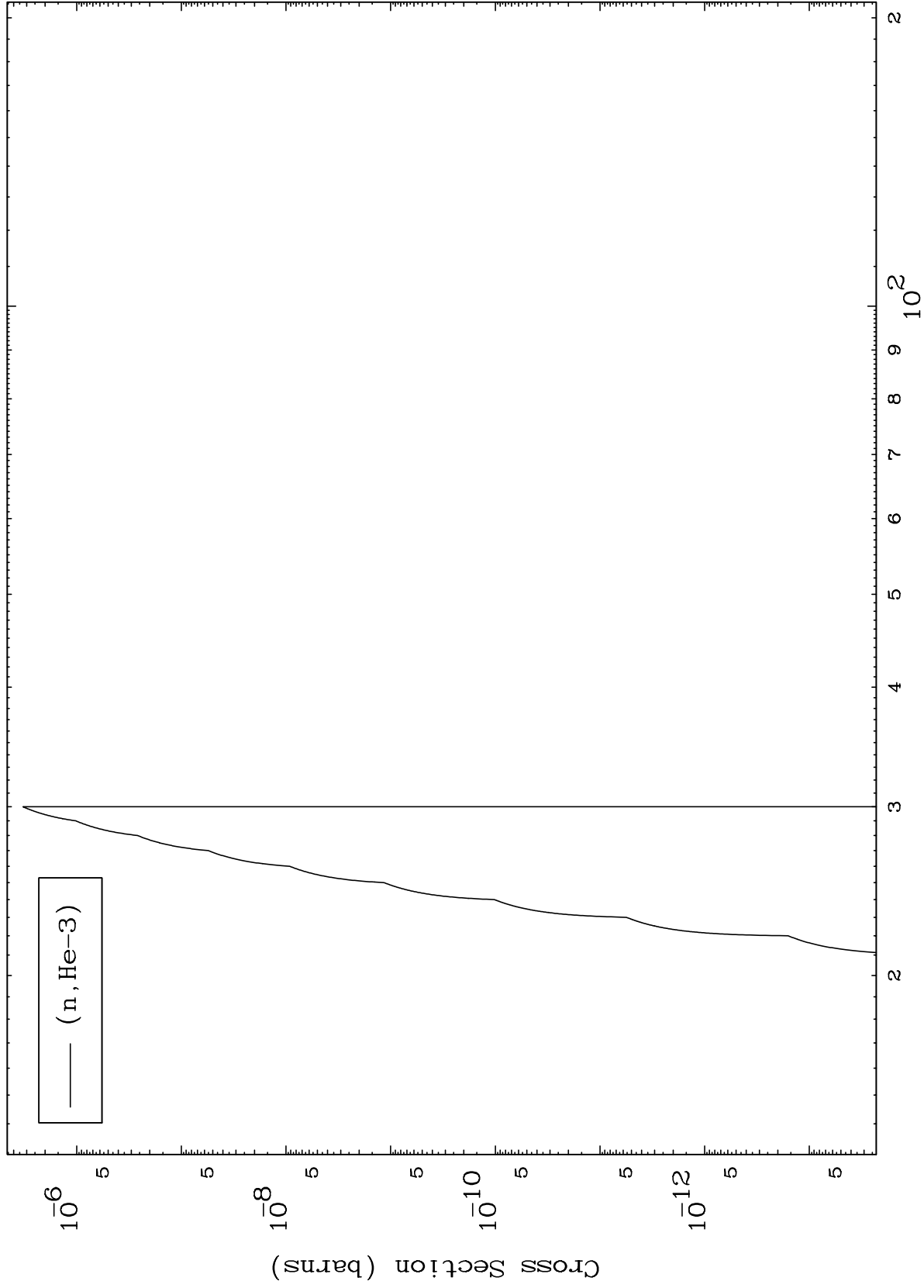


14

Incident Energy (MeV)

59-Pr-151

(n,He3) Levels  
293 Kelvin Cross Sections

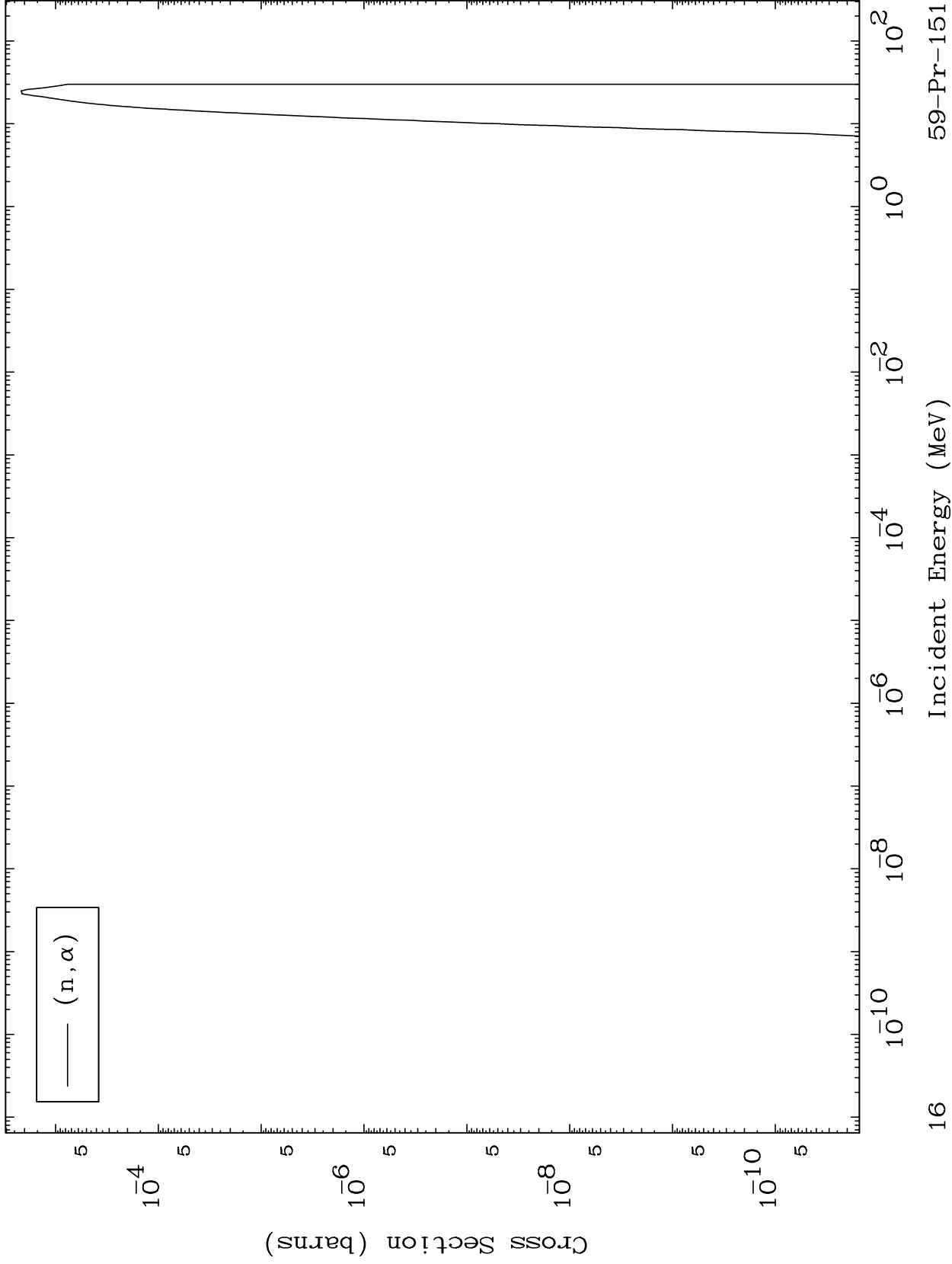


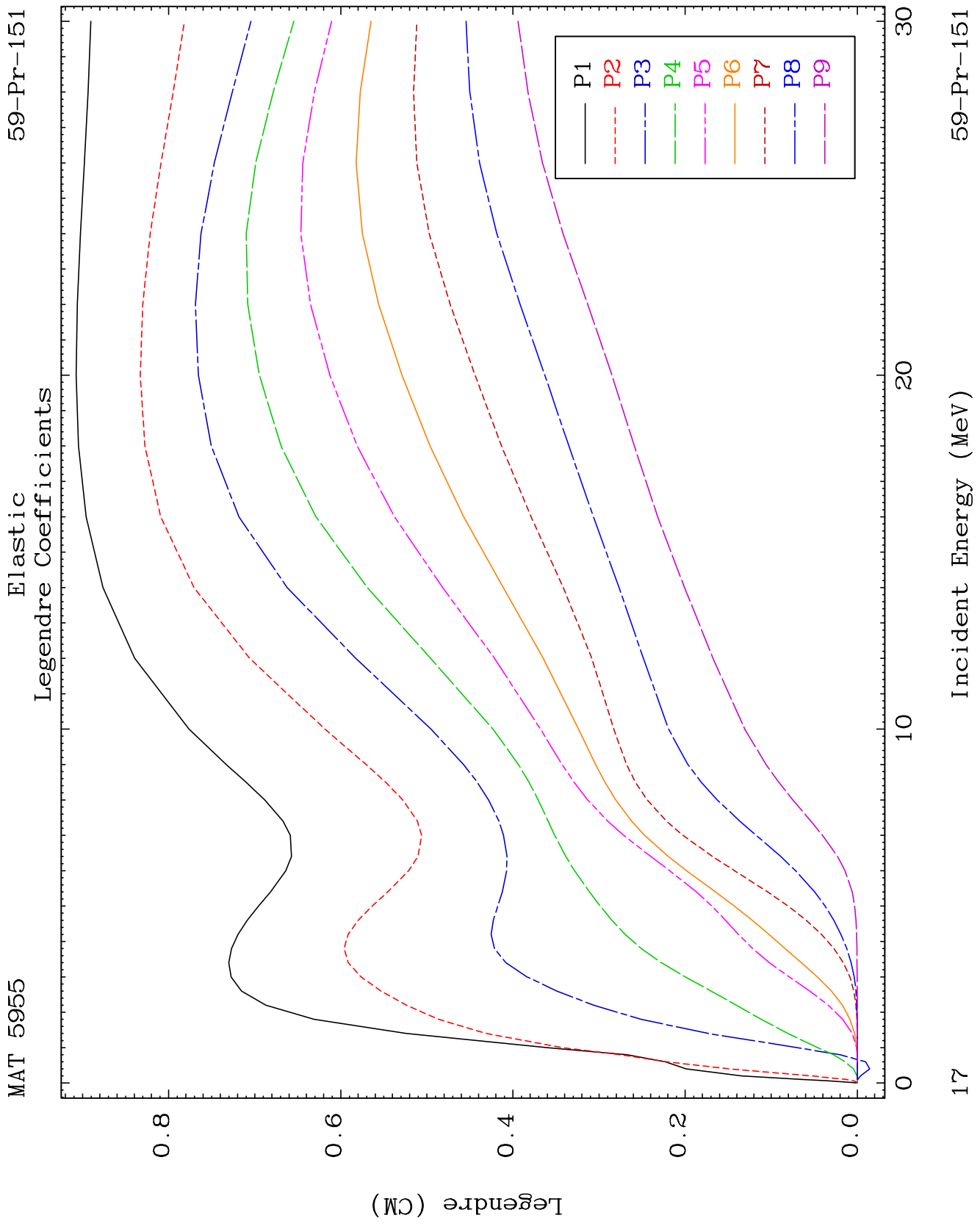


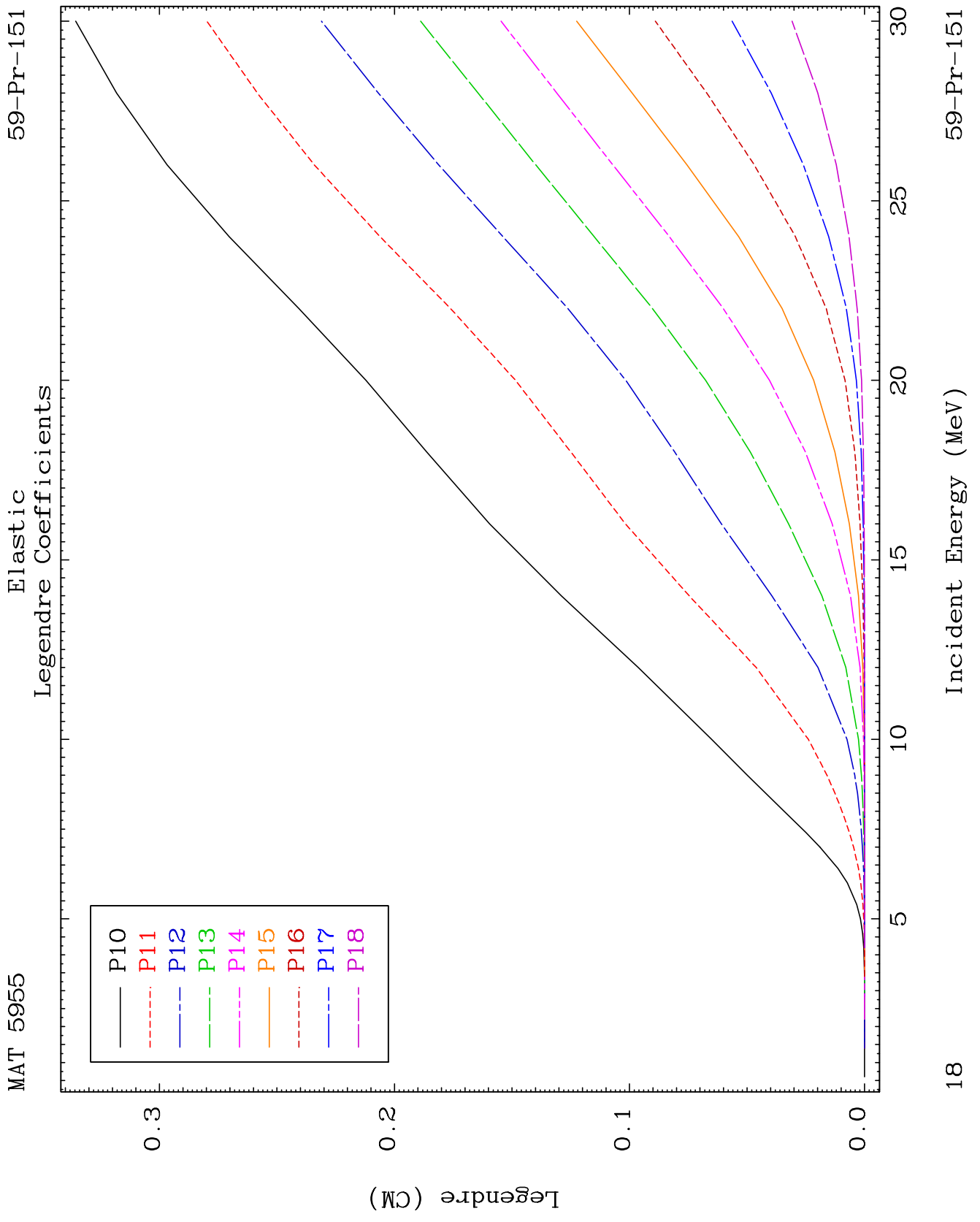
MAT 5955

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

59-Pr-151



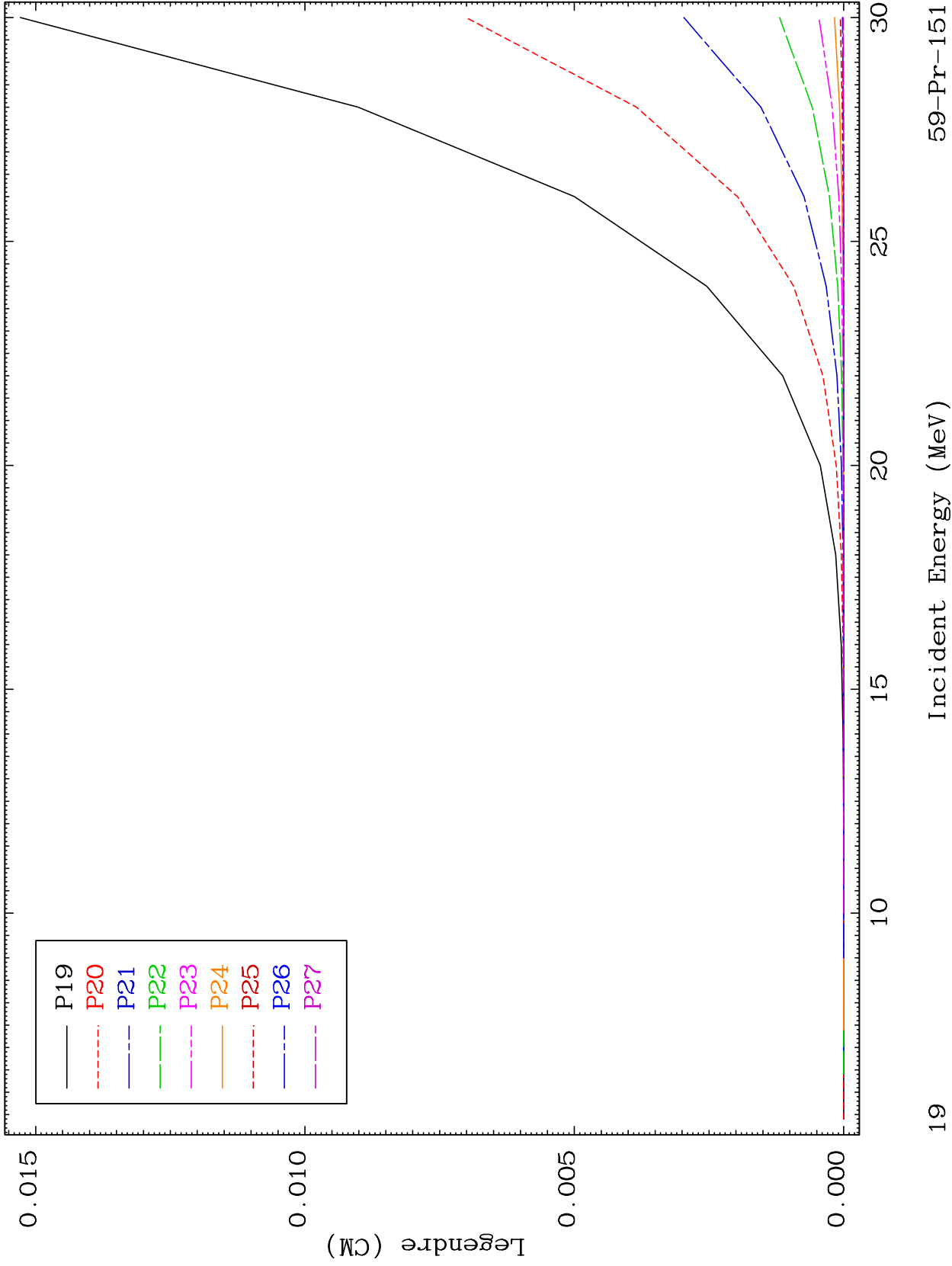




MAT 5955

### Elastic Legendre Coefficients

59-Pr-151



19

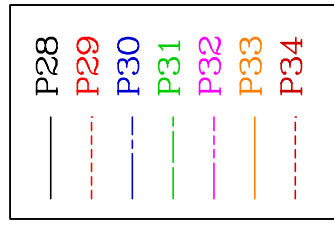
Incident Energy (MeV)

59-Pr-151

MAT 5955

Elastic Legendre Coefficients

59-Pr-151



$\times 10^{-6}$   
2.0  
1.5

Legendre (CM)

0.5  
0.0

15

20

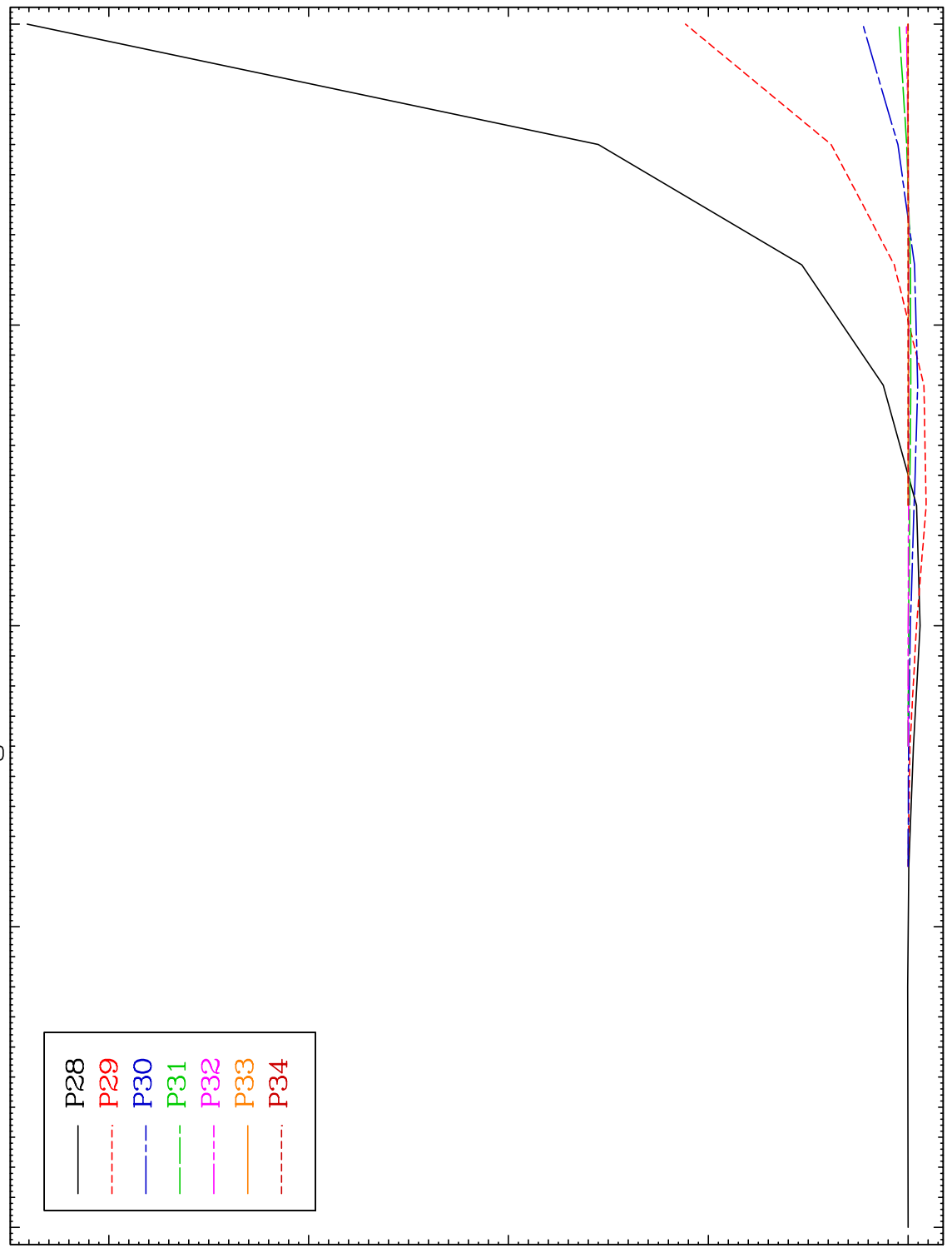
25

30

20

Incident Energy (MeV)

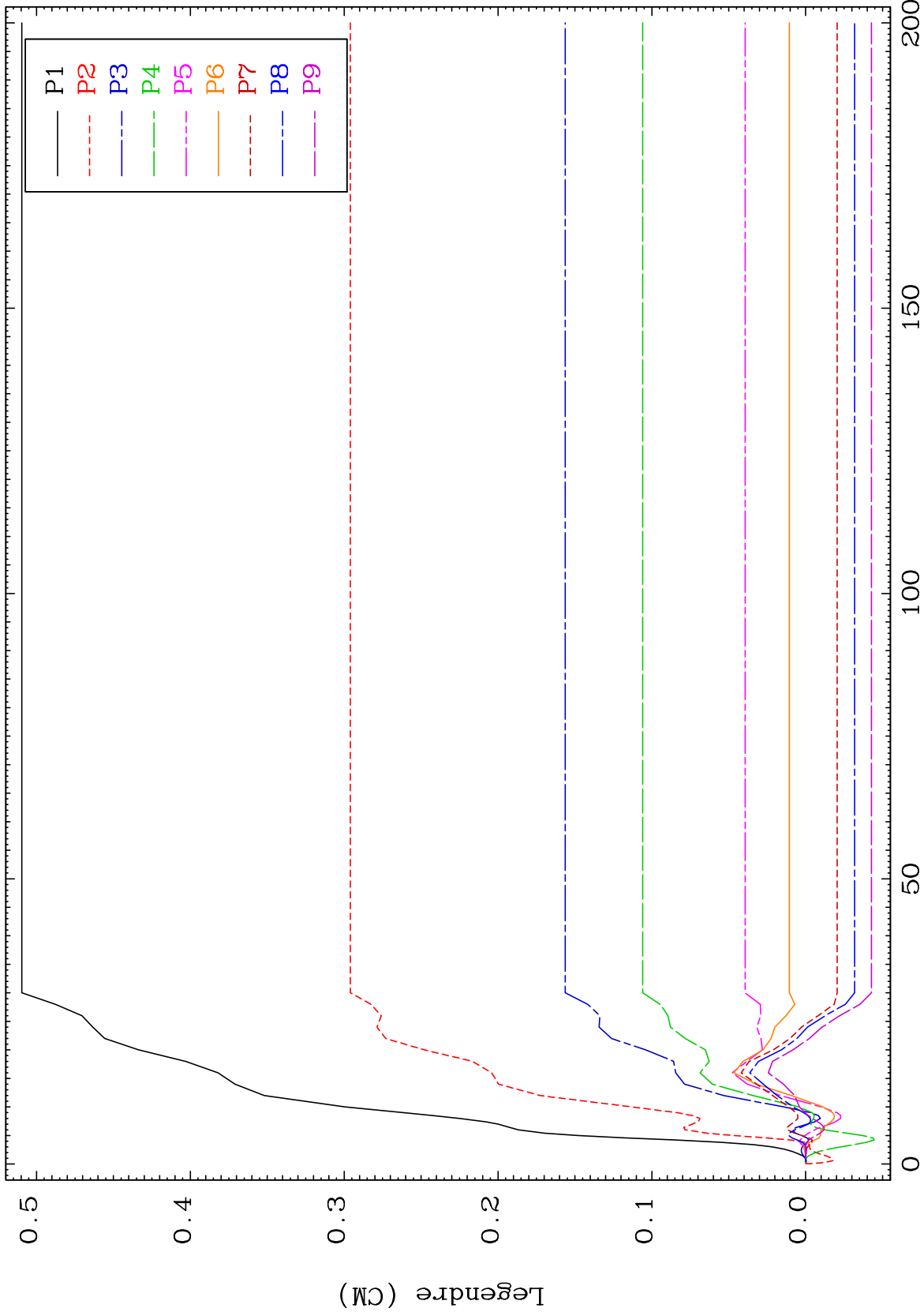
59-Pr-151



MAT 5955

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

59-Pr-151



21

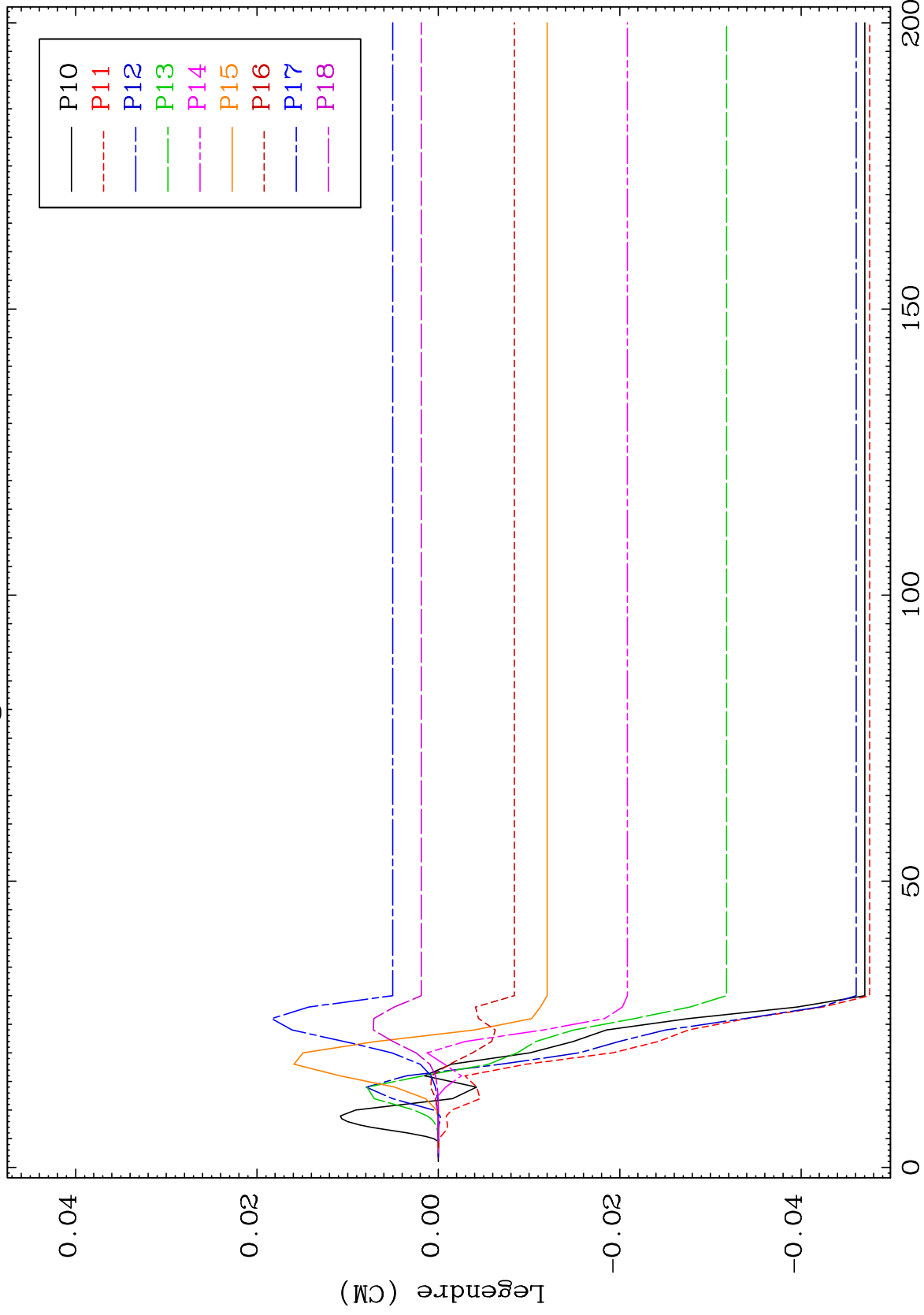
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

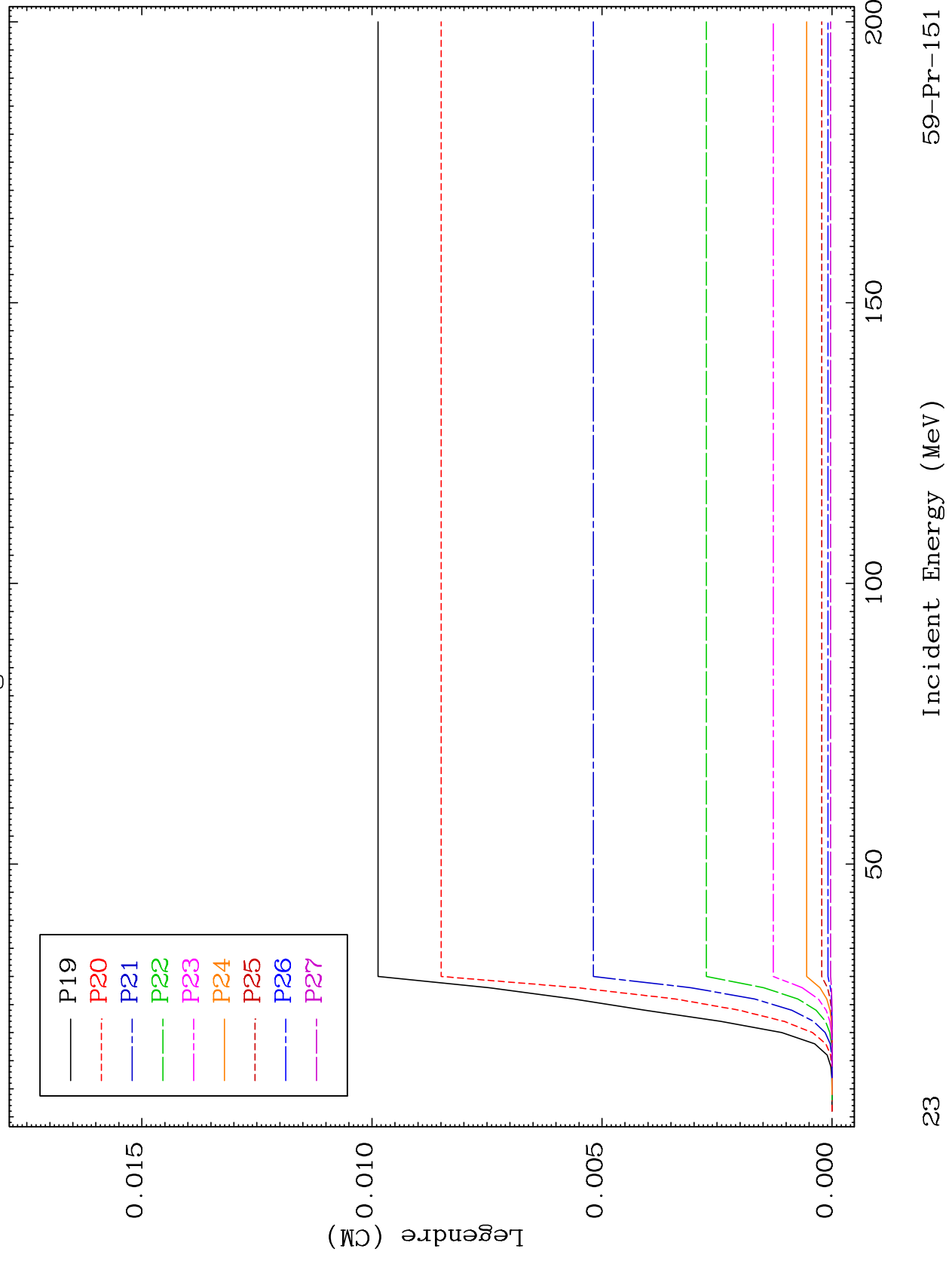
59-Pr-151



22

Incident Energy (MeV)

59-Pr-151

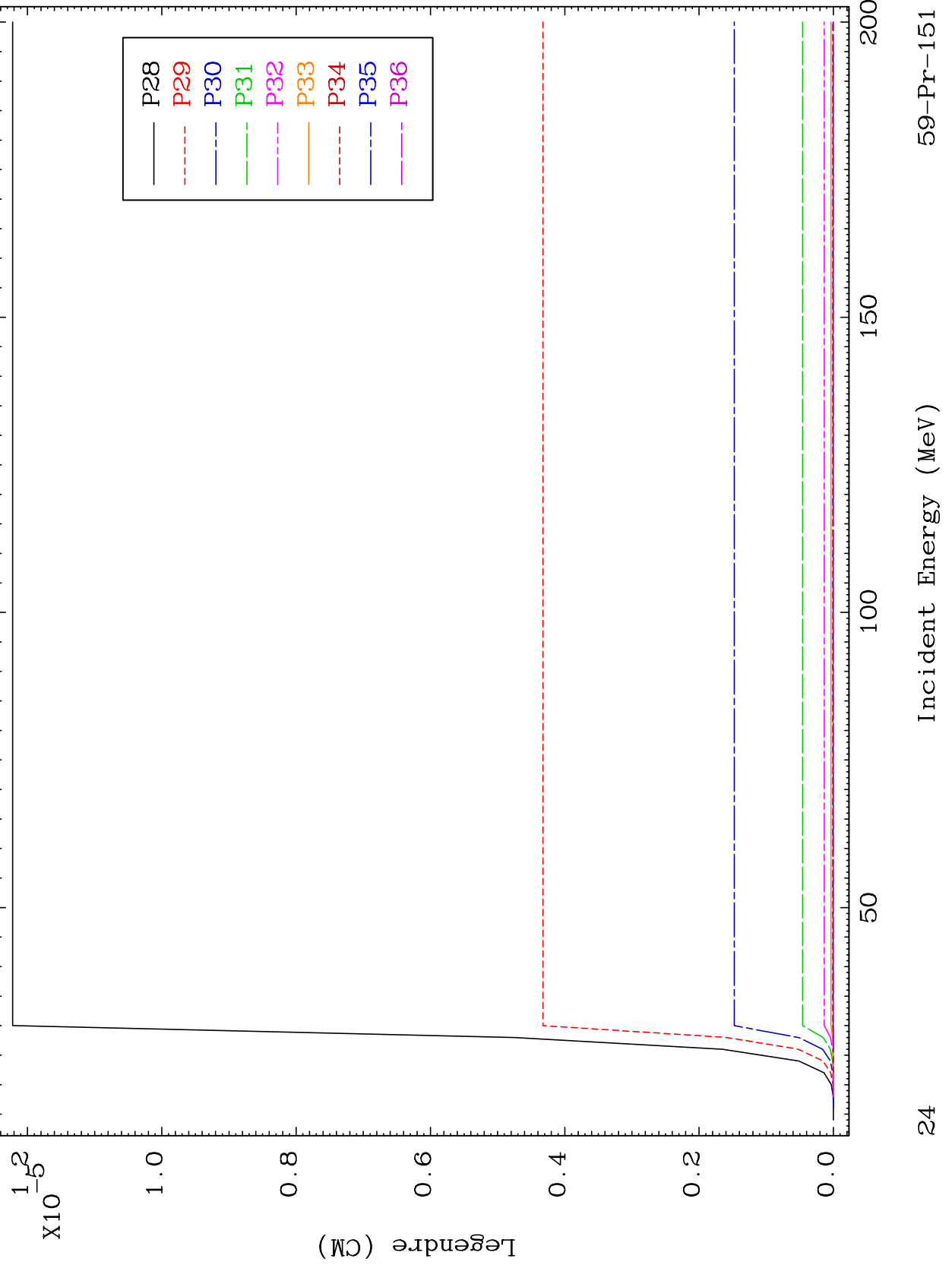




MAT 5955

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

59-Pr-151



24

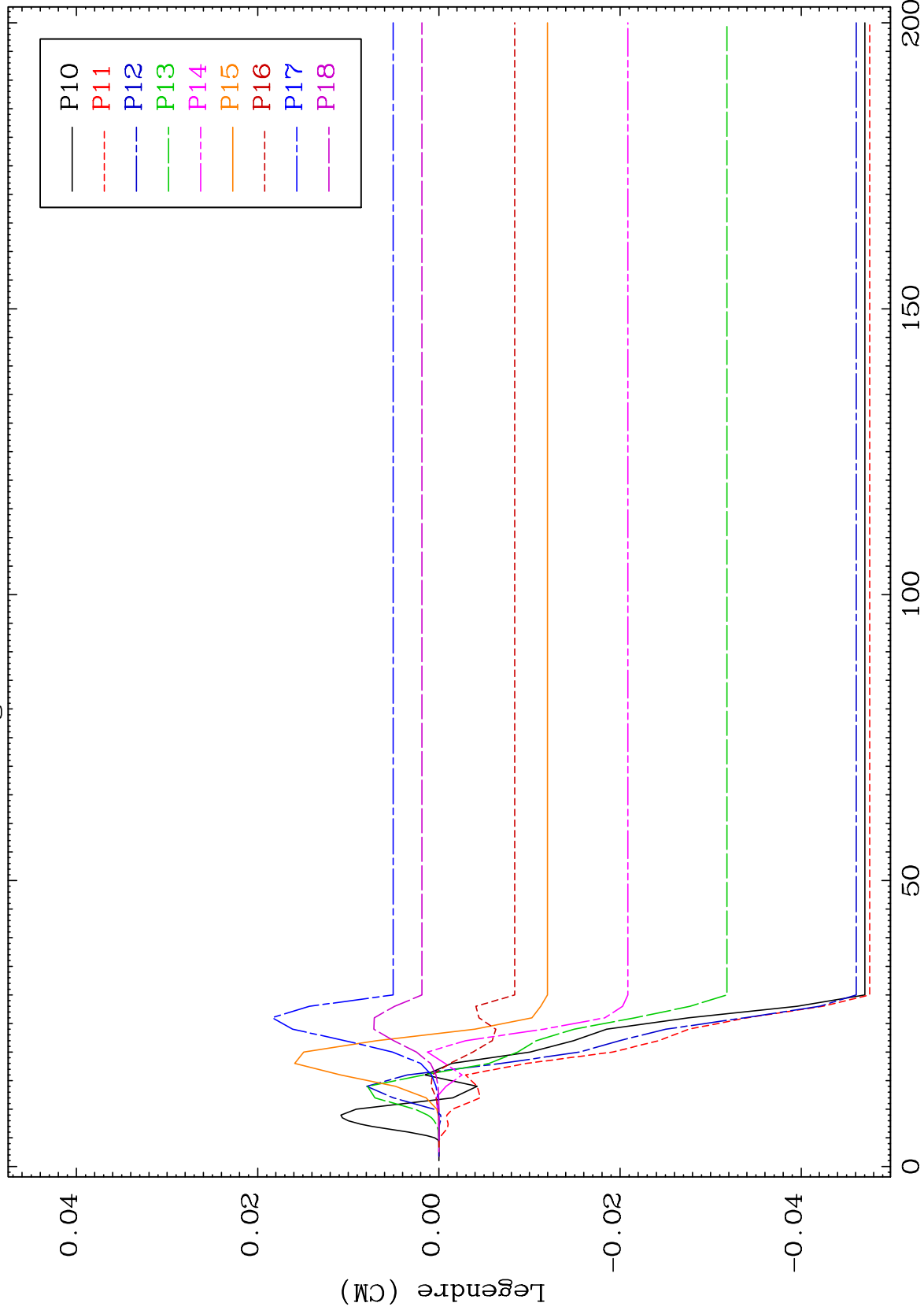
59-Pr-151



MAT 5955

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

59-Pr-151



26

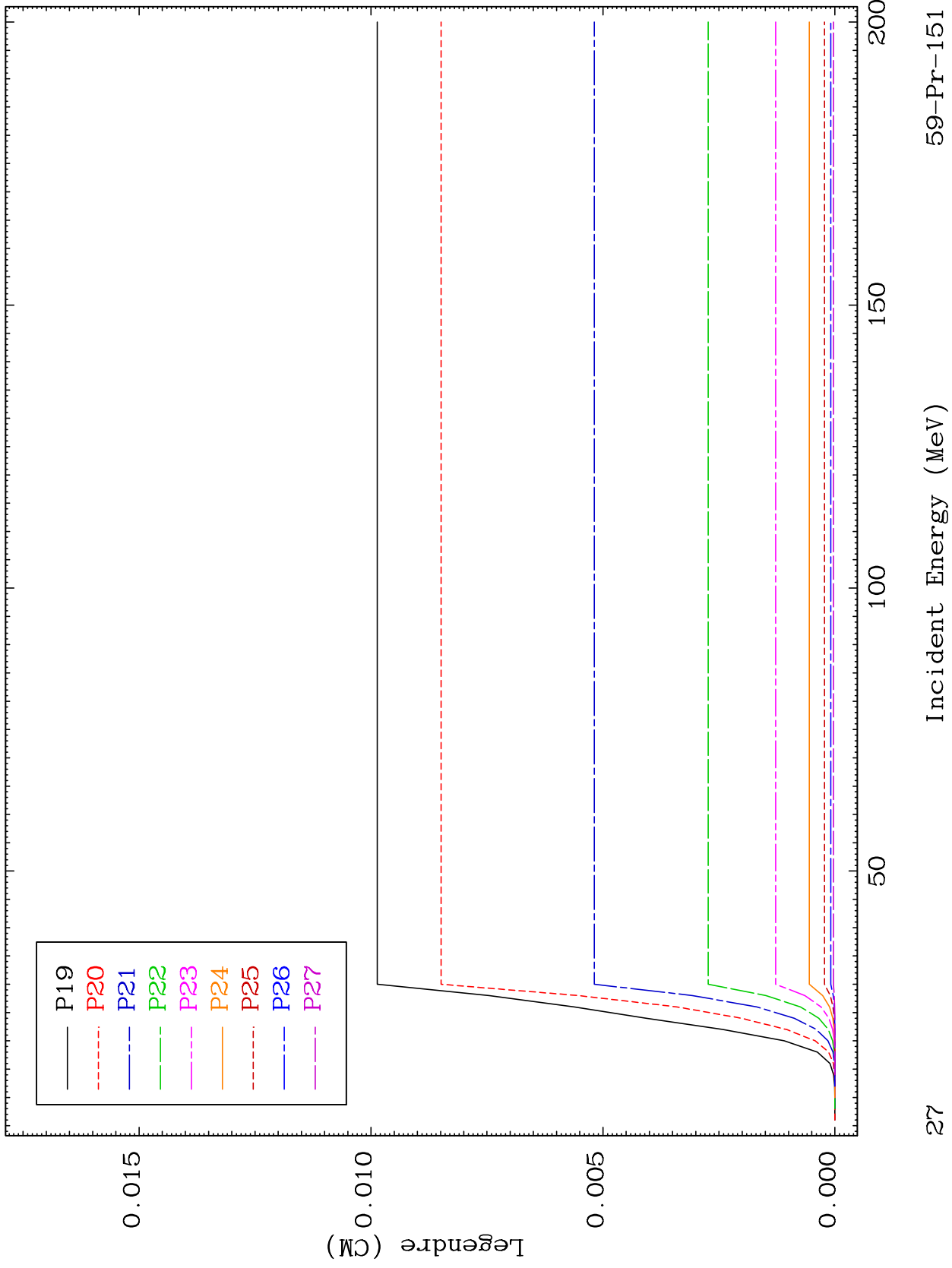
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



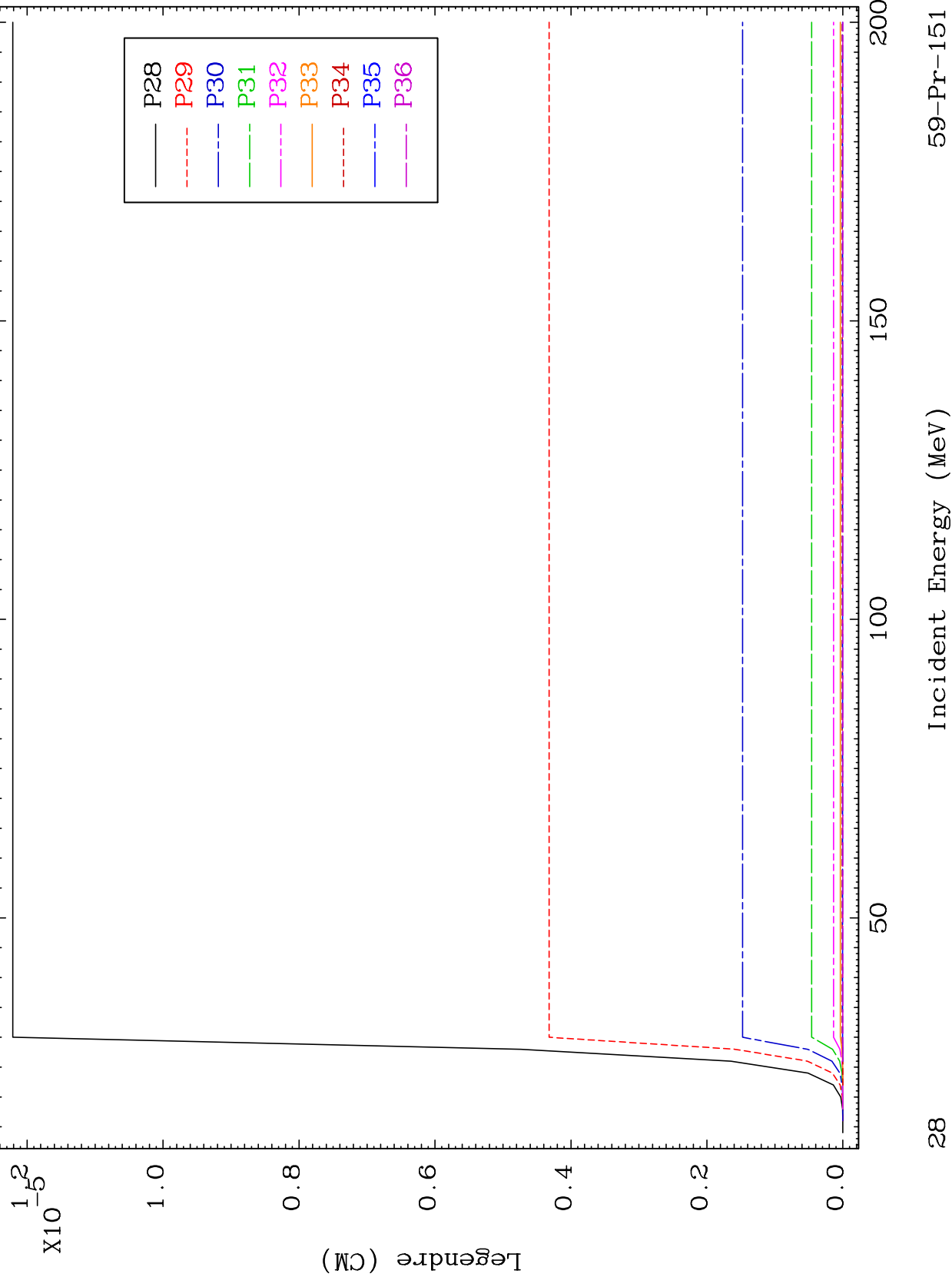
27

59-Pr-151

MAT 5955

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

59-Pr-151



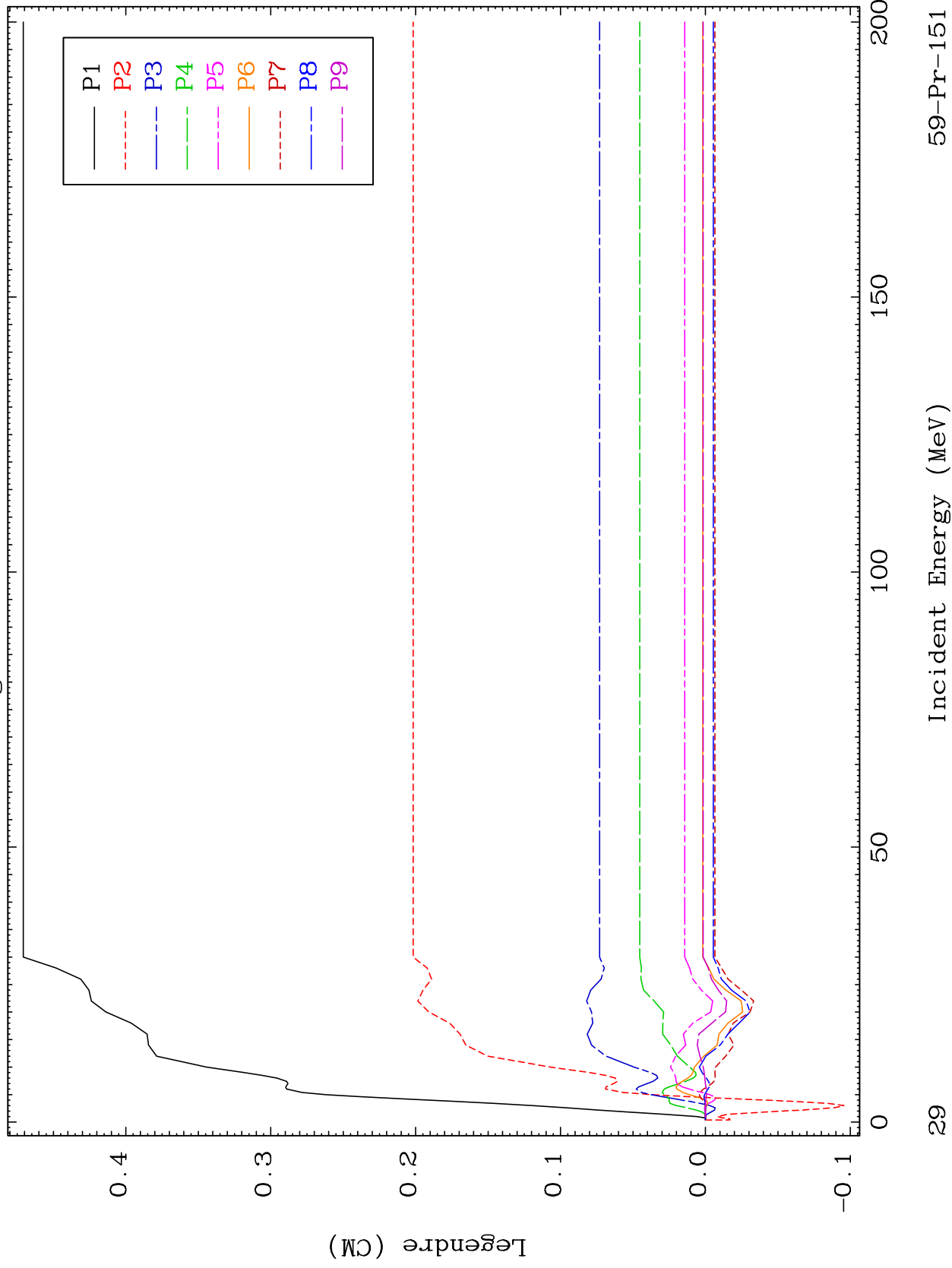
28

59-Pr-151

MAT 5955

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

59-Pr-151

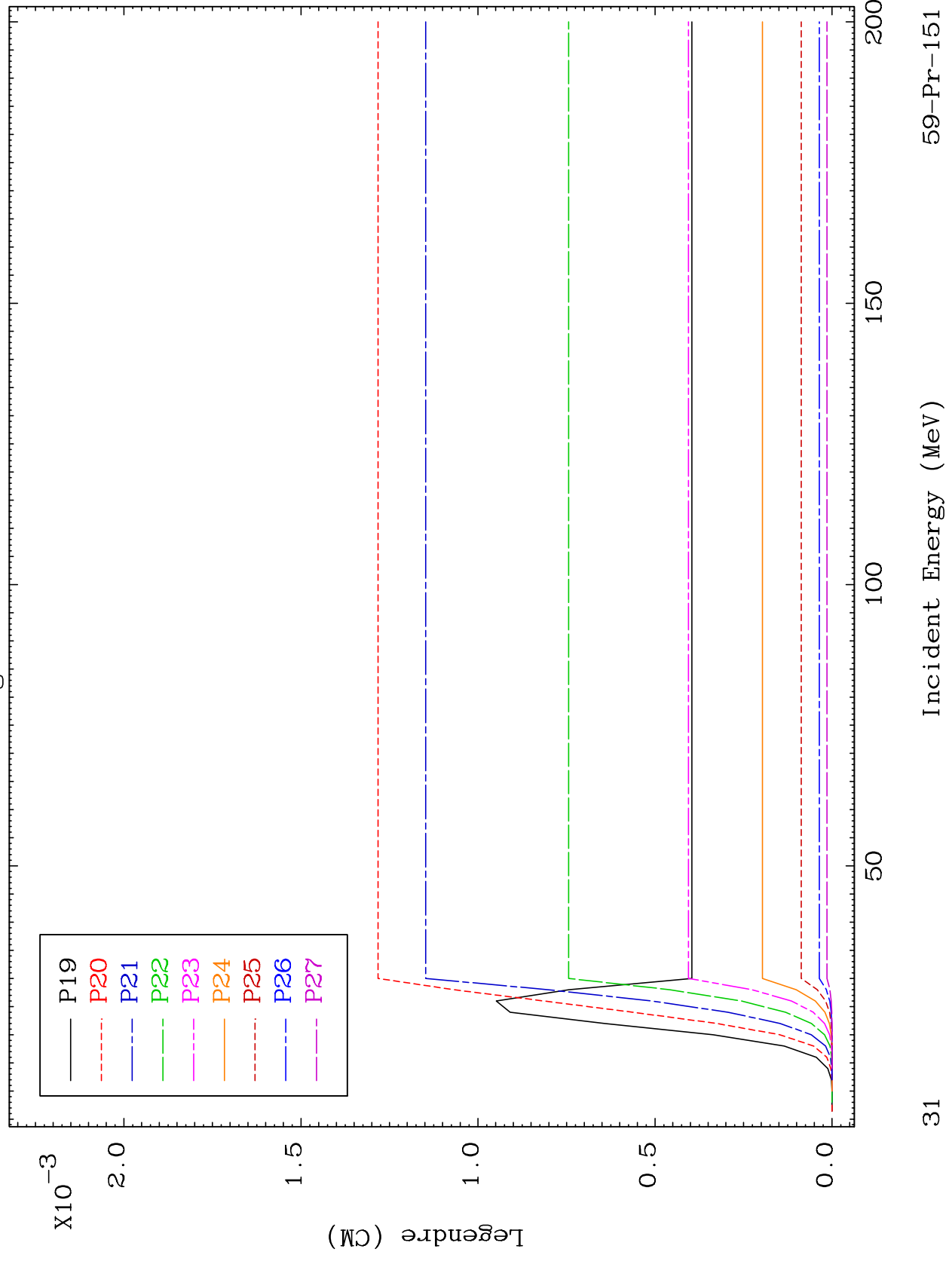


59-Pr-151

Incident Energy (MeV)

29



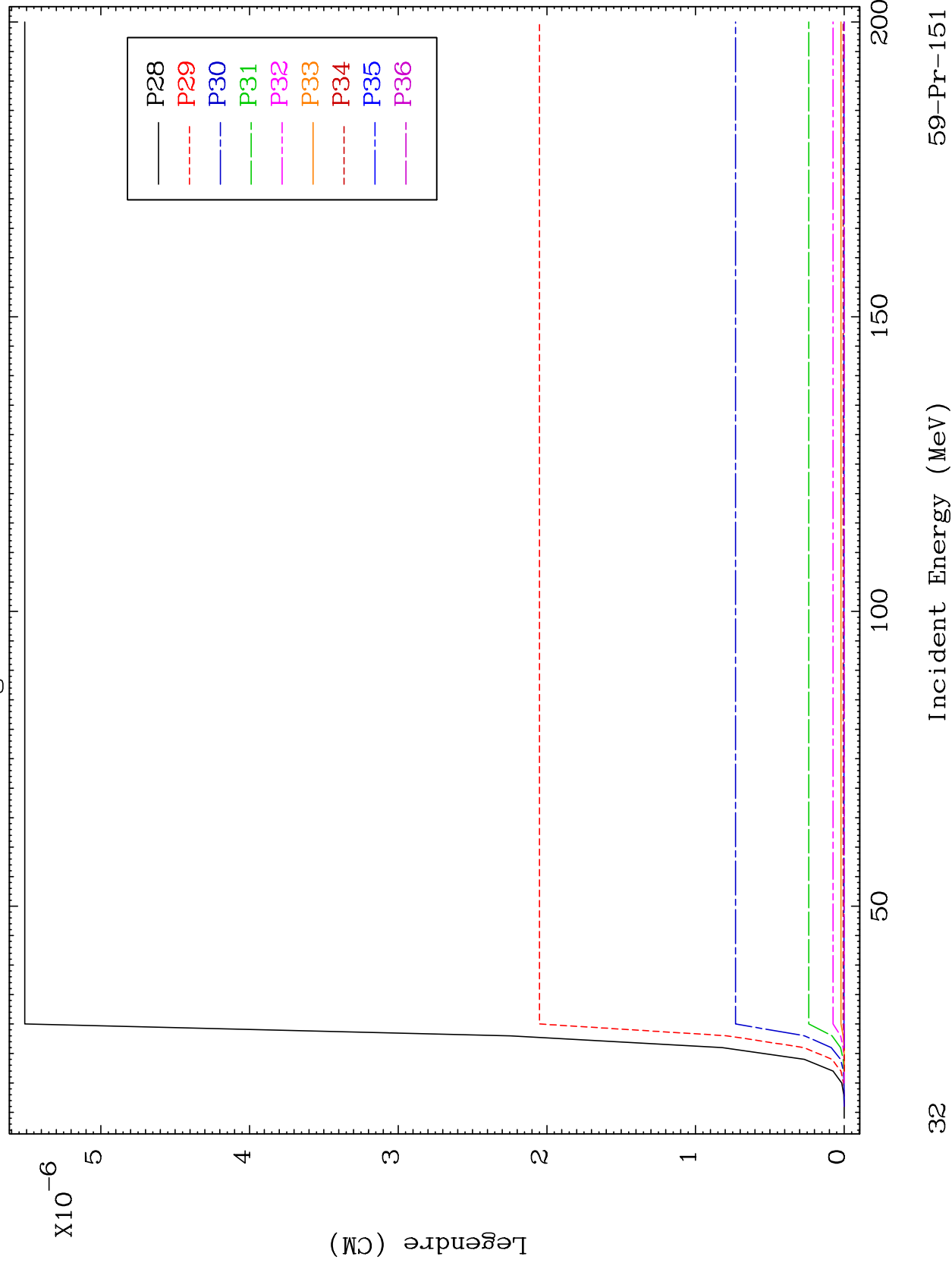




MAT 5955

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

59-Pr-151

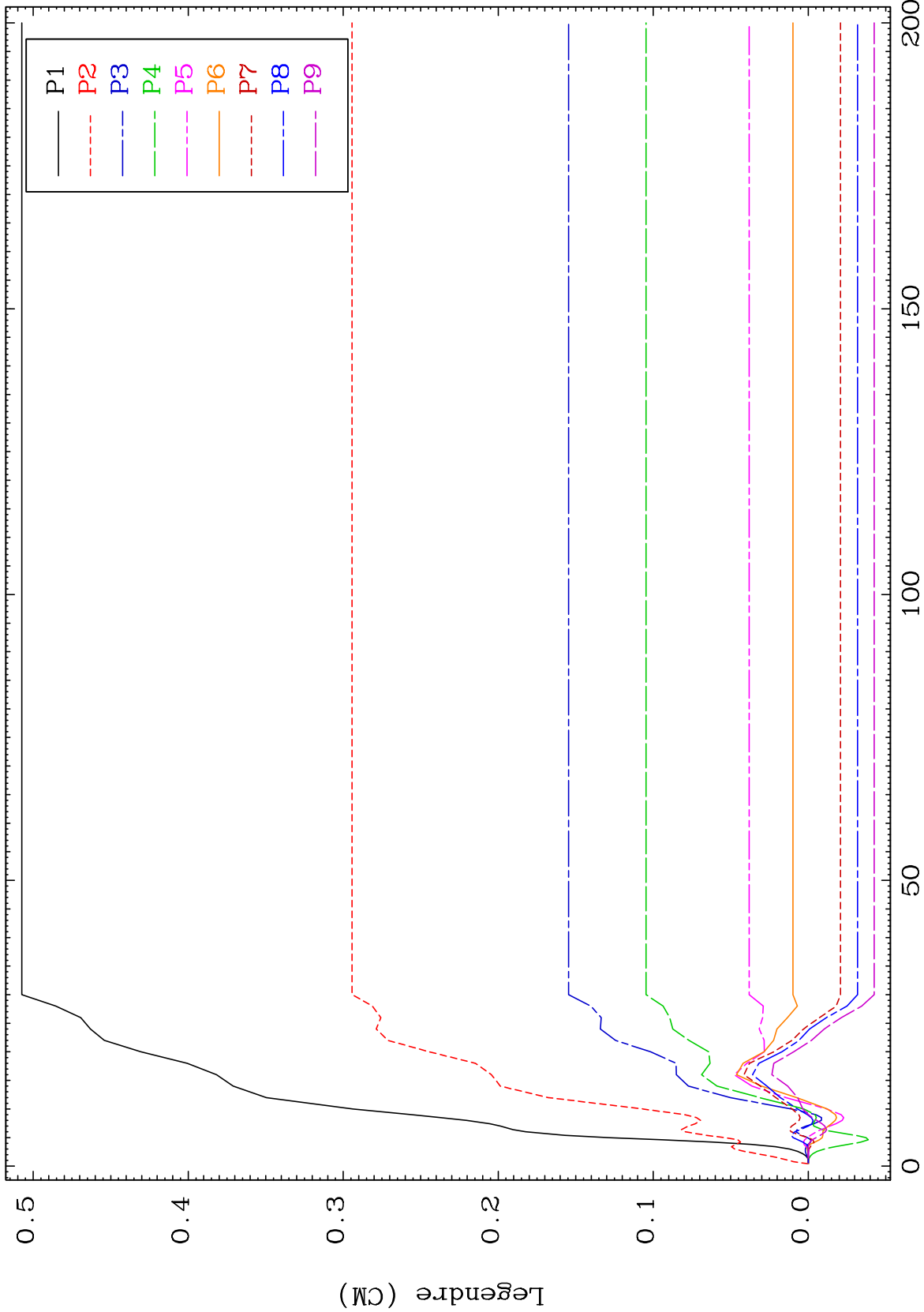


MAT 5955

MT= 54 (n,n') Level

59-Pr-151

Legendre Coefficients



33

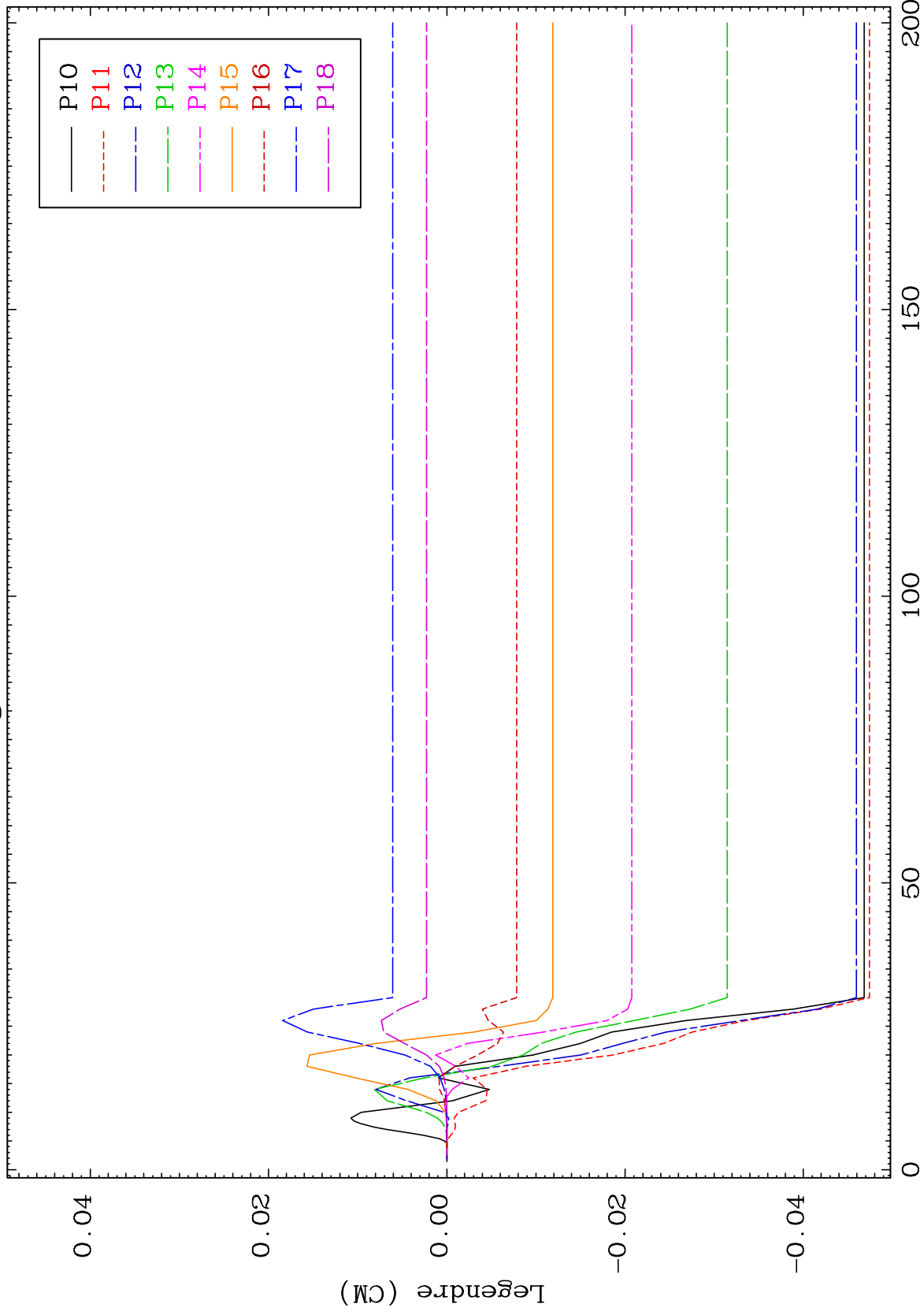
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



34

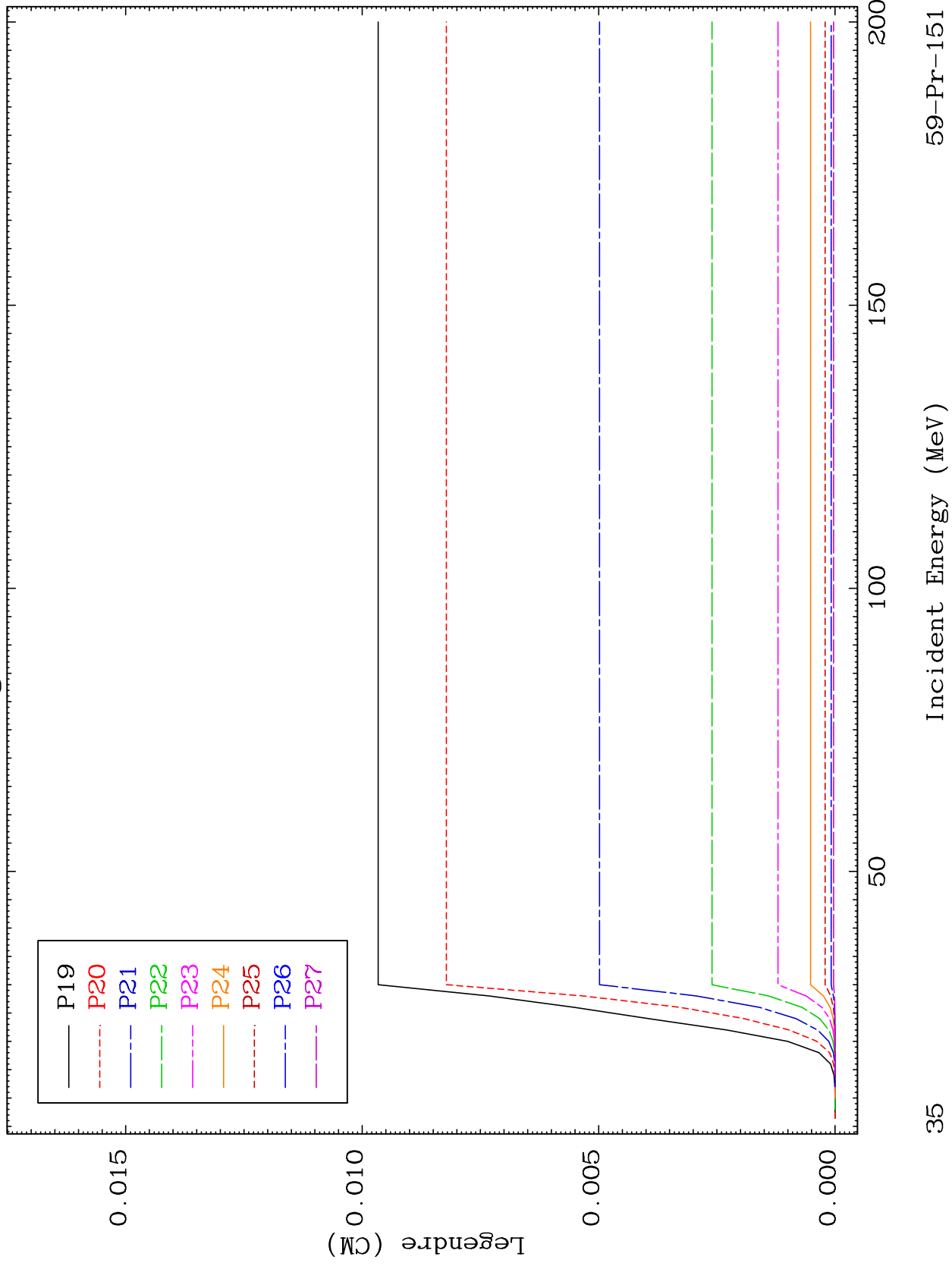
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



35

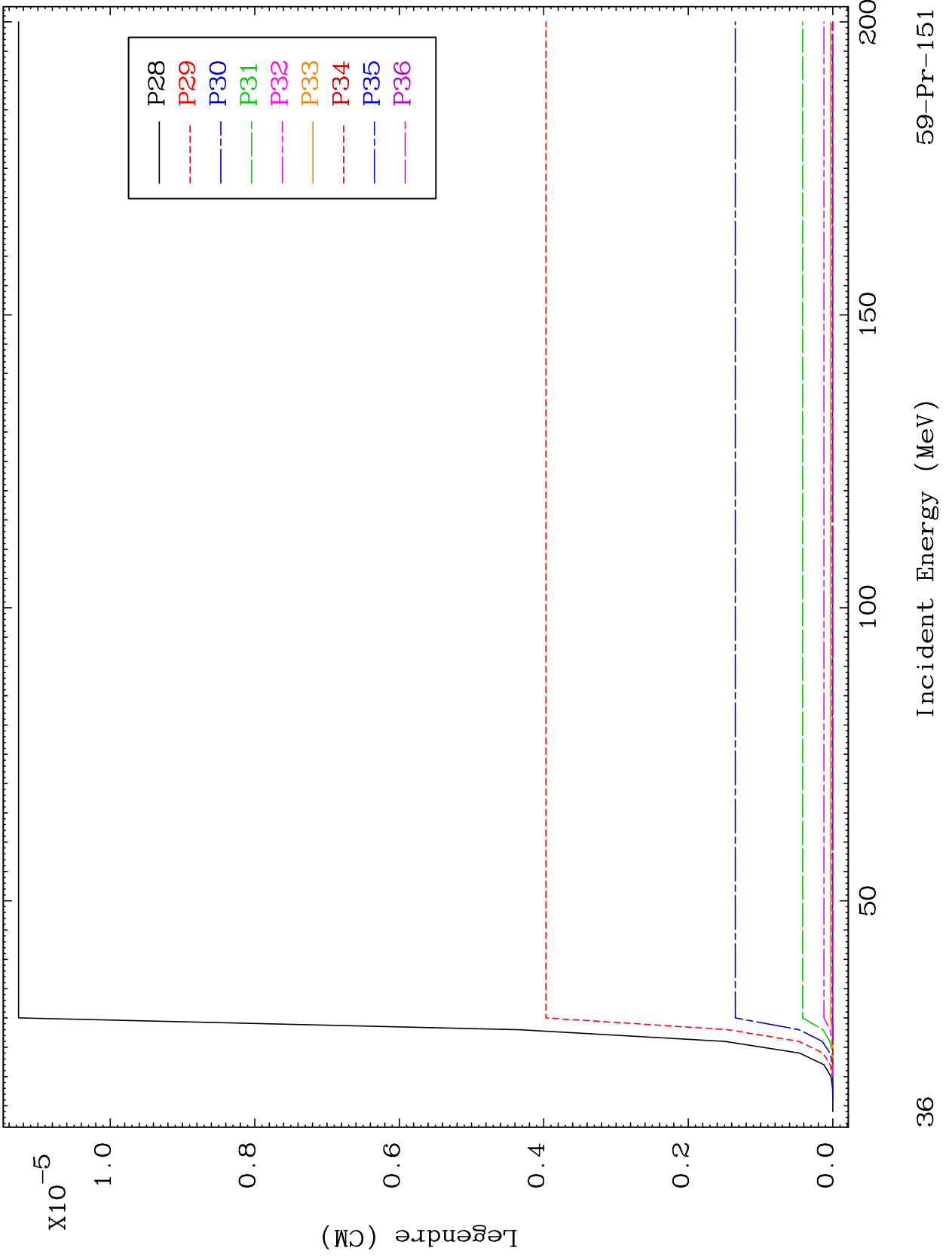
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



36

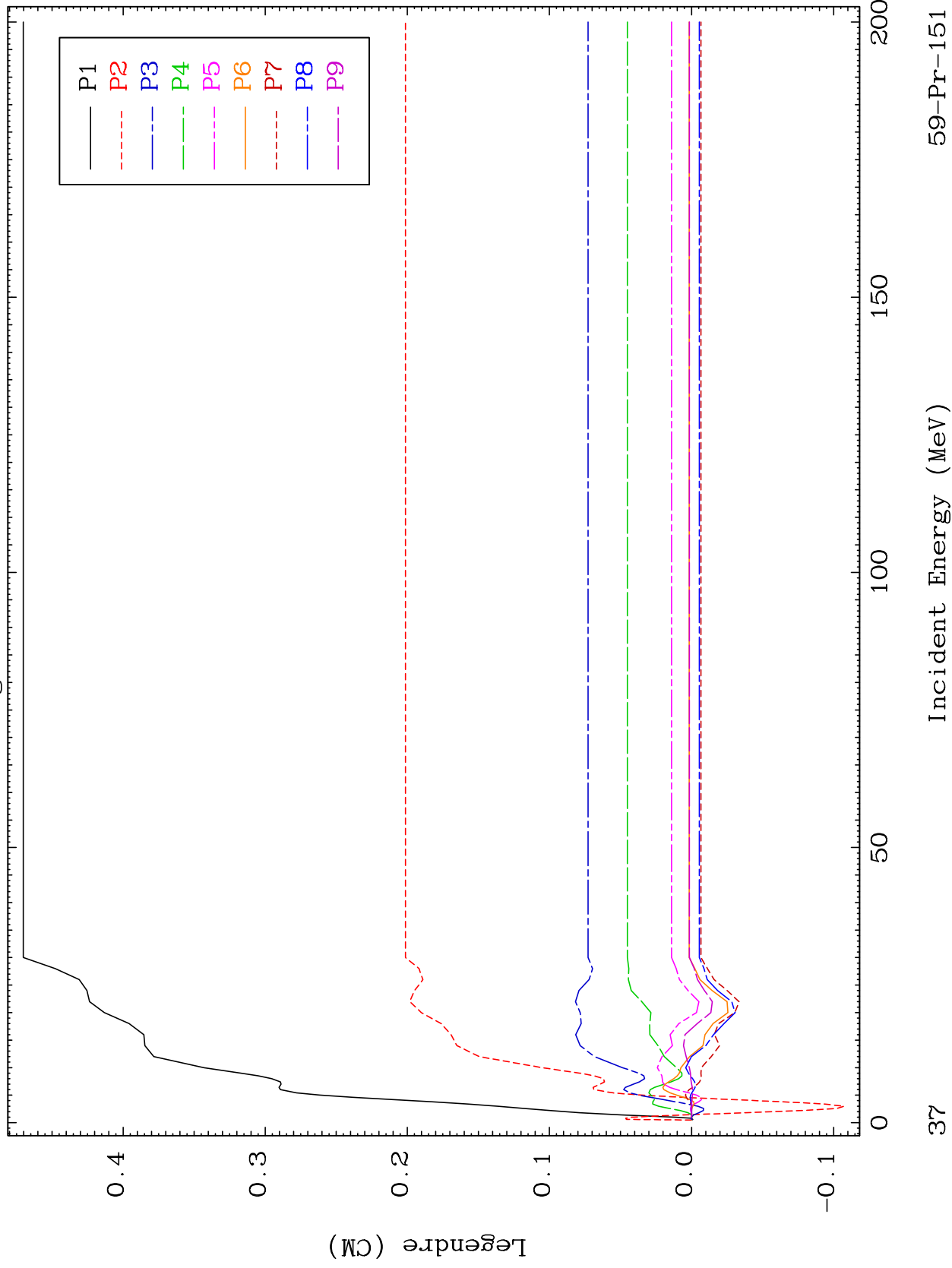
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



59-Pr-151

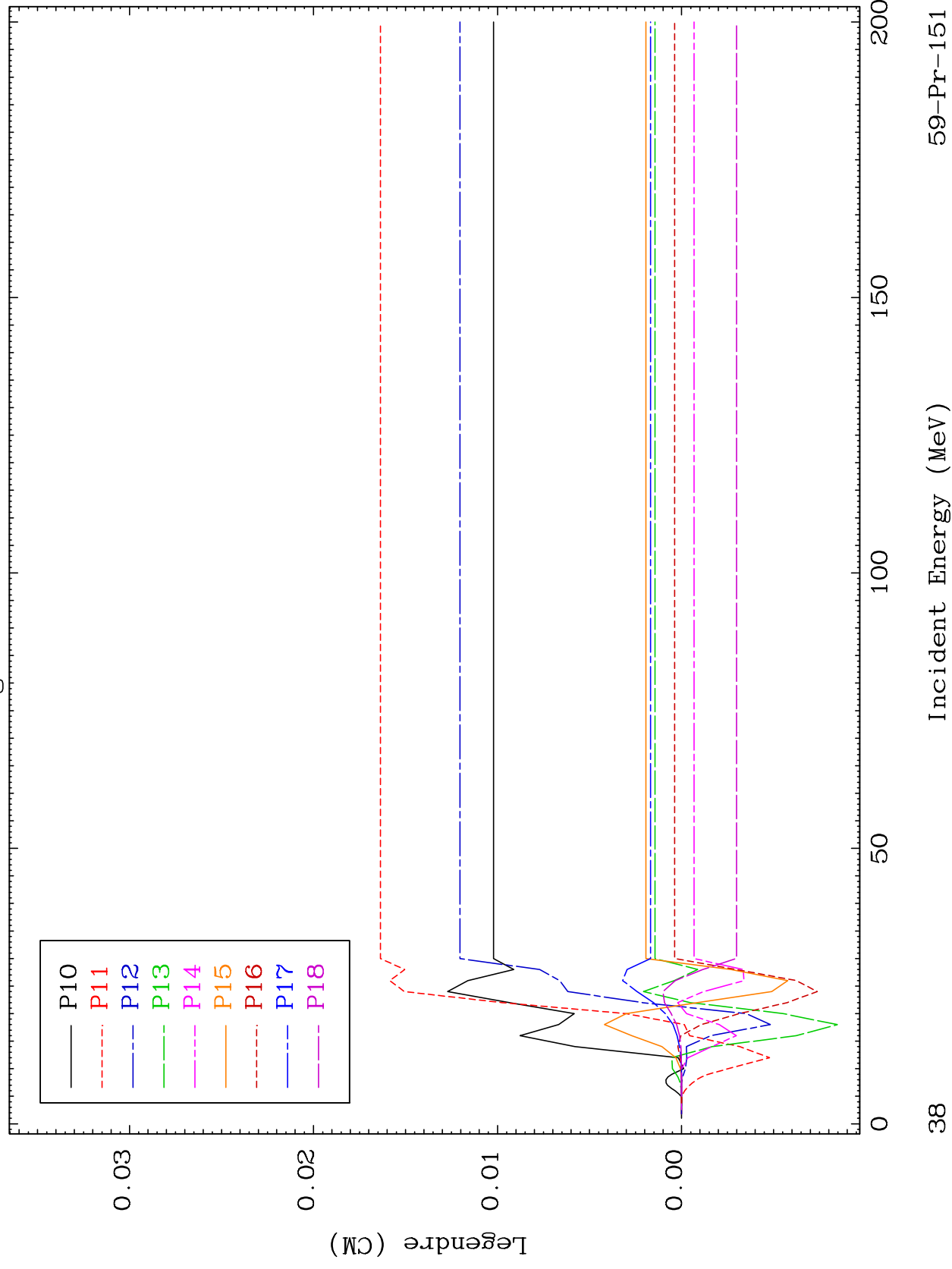
Incident Energy (MeV)

37

MAT 5955

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

59-Pr-151



38

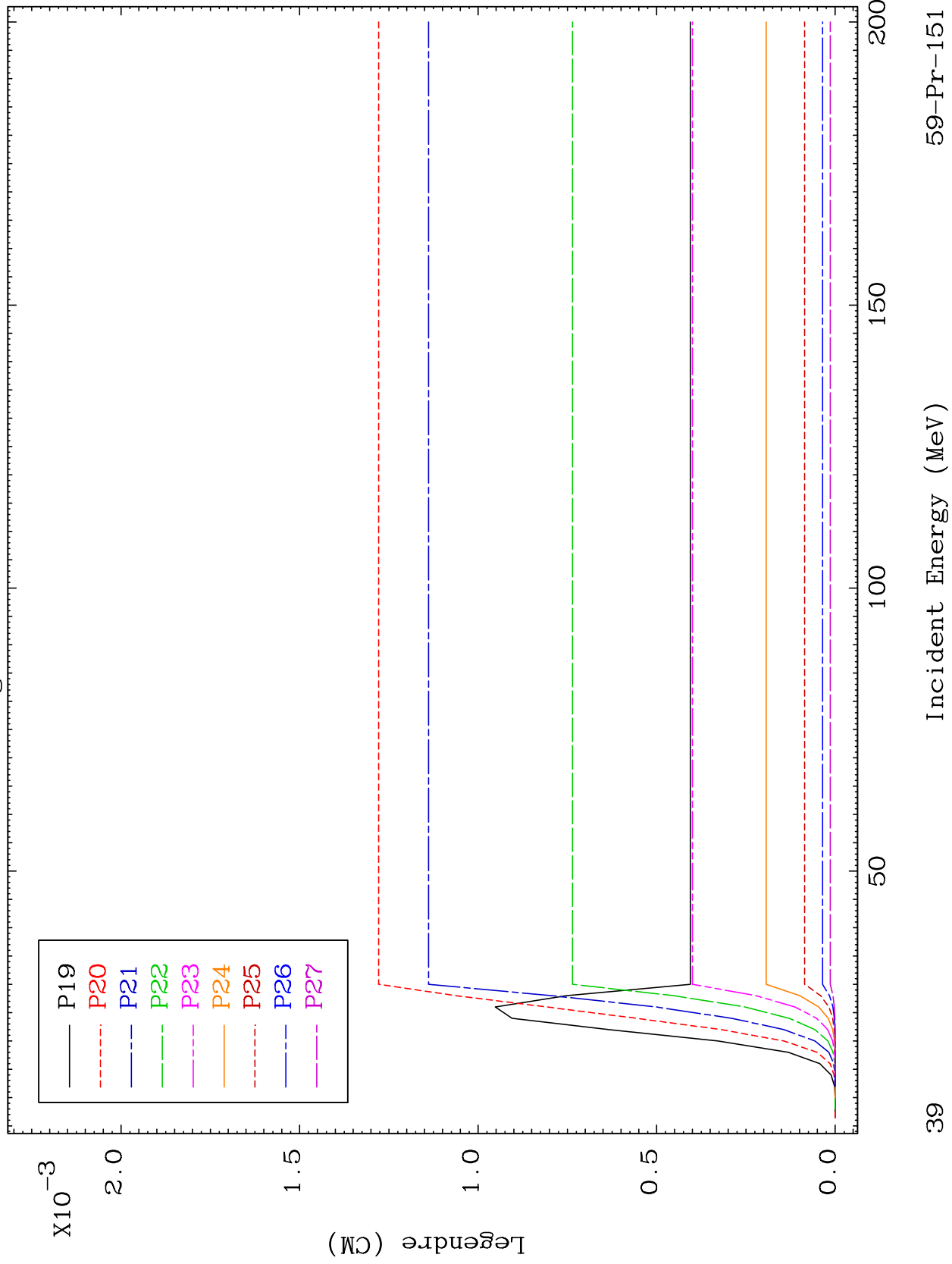
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



39

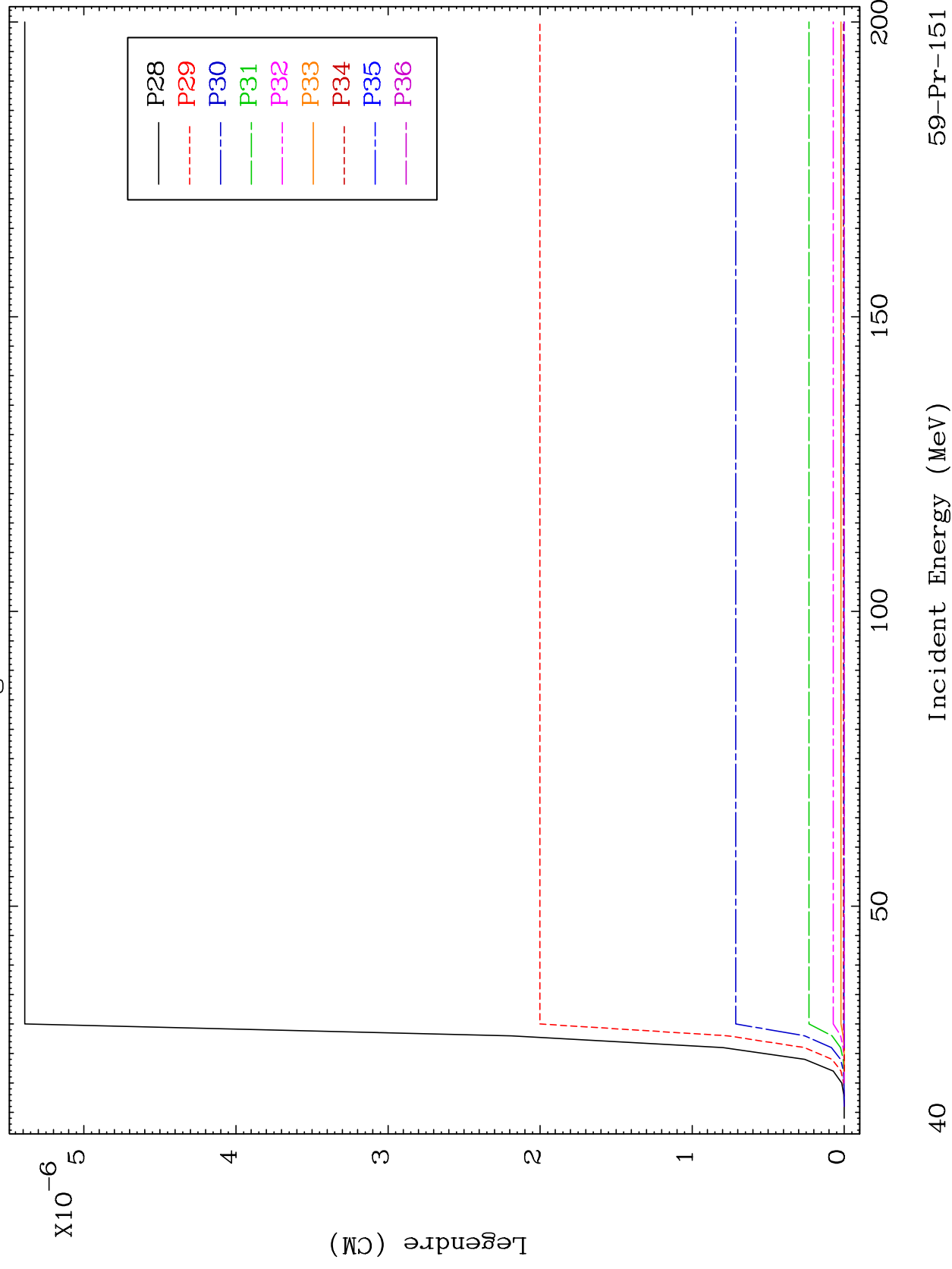
59-Pr-151



MAT 5955

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

59-Pr-151



40

50

100

150

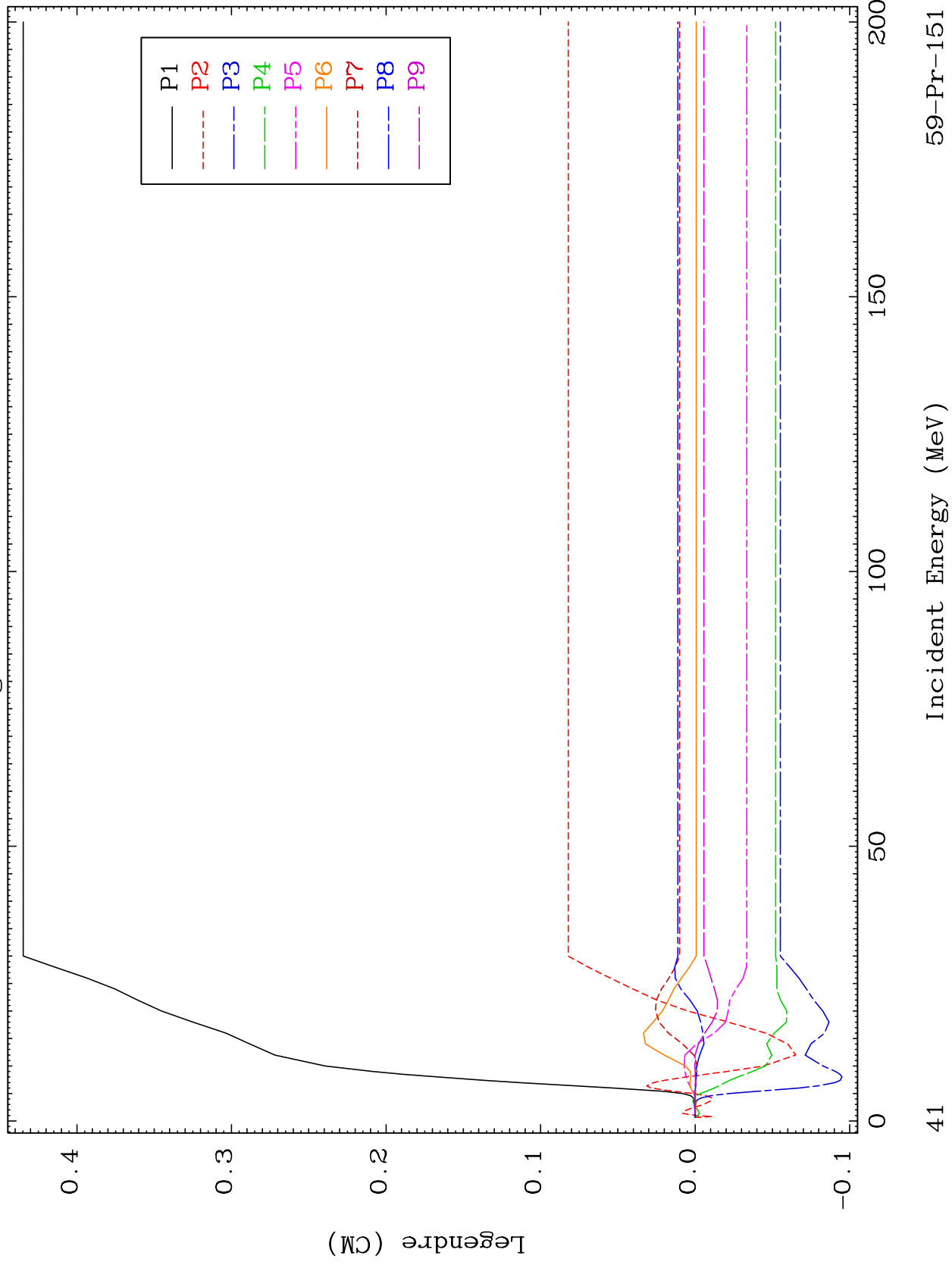
200

59-Pr-151

MAT 5955

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

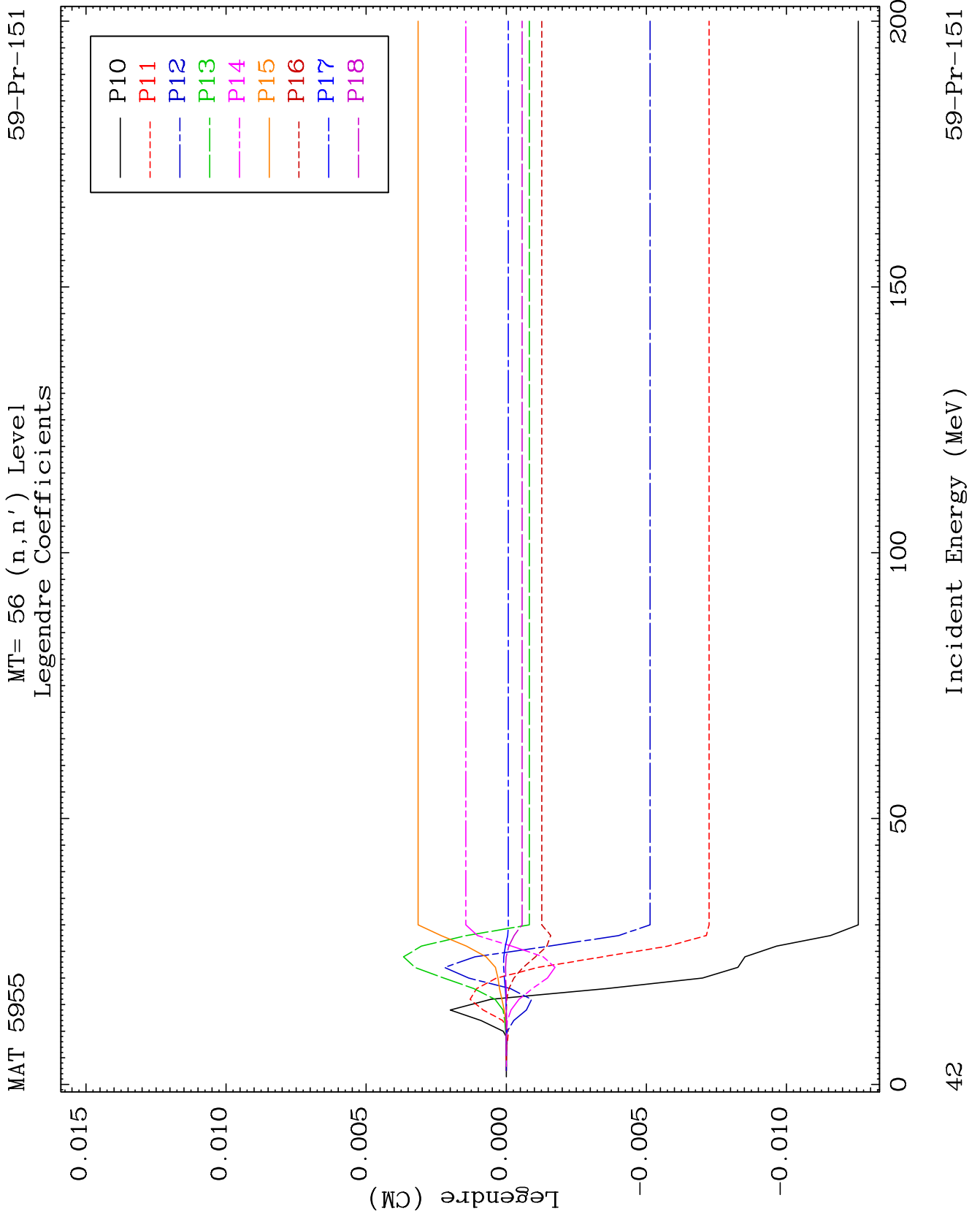
59-Pr-151



59-Pr-151

Incident Energy (MeV)

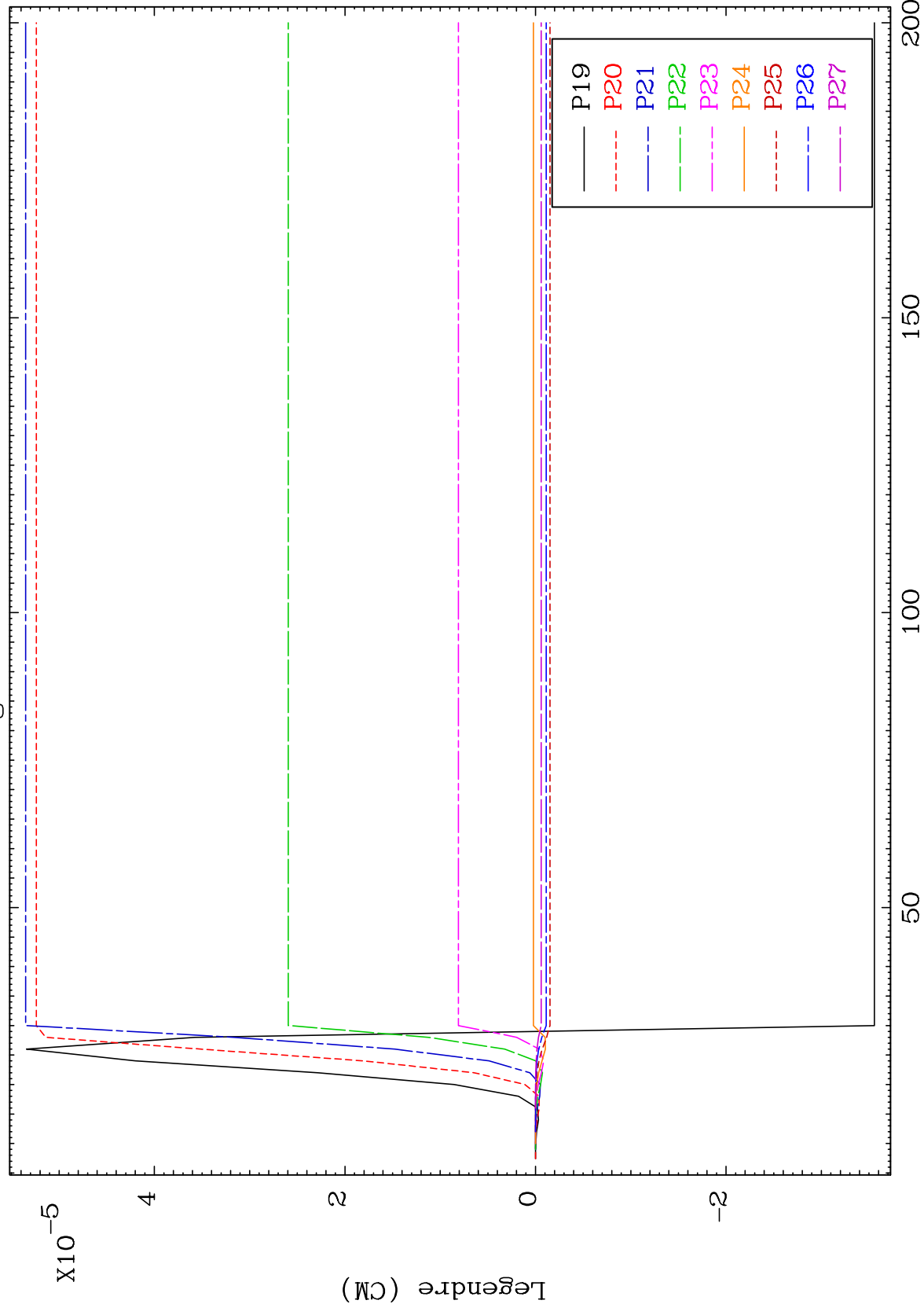
41

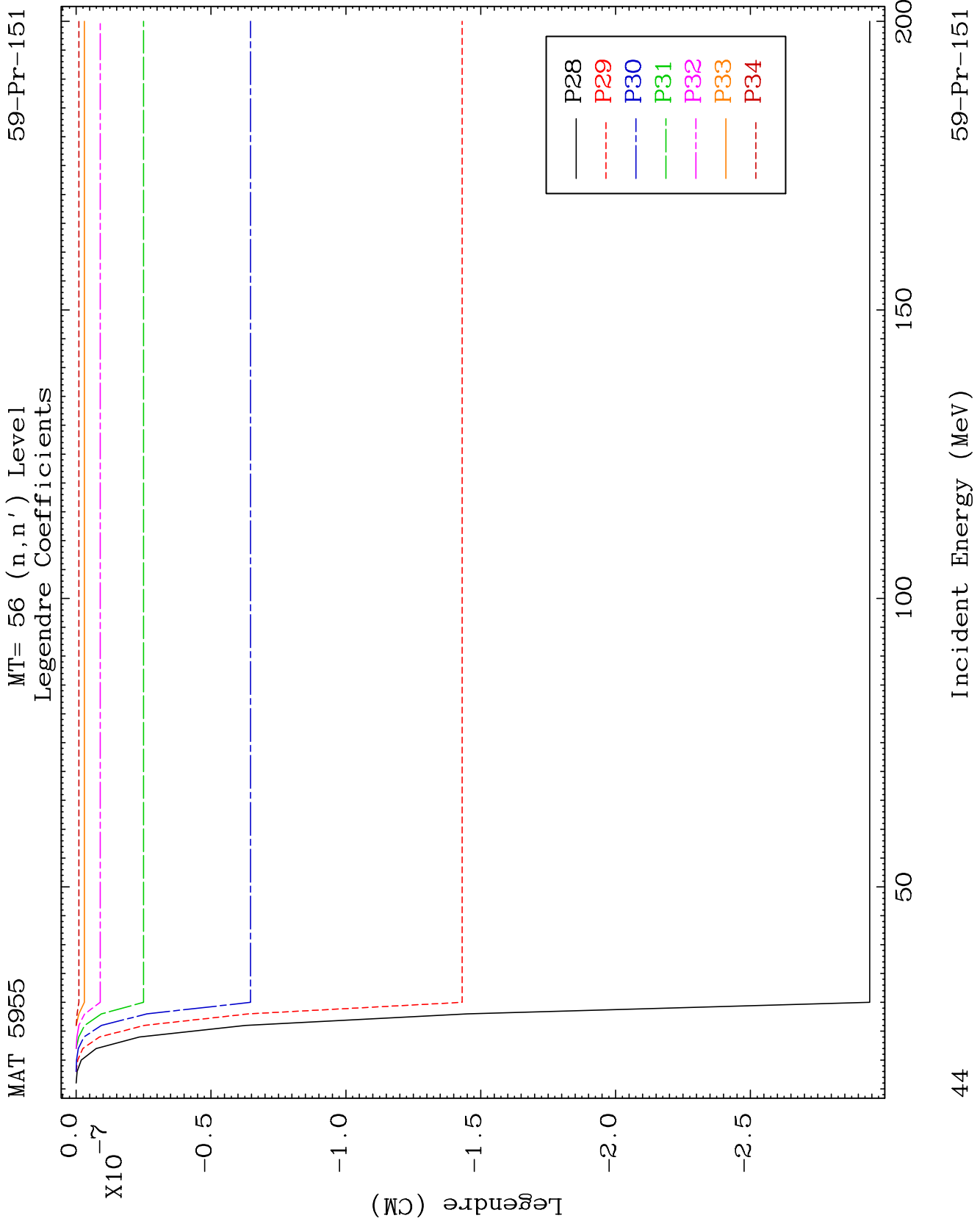


MAT 5955

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

59-Pr-151

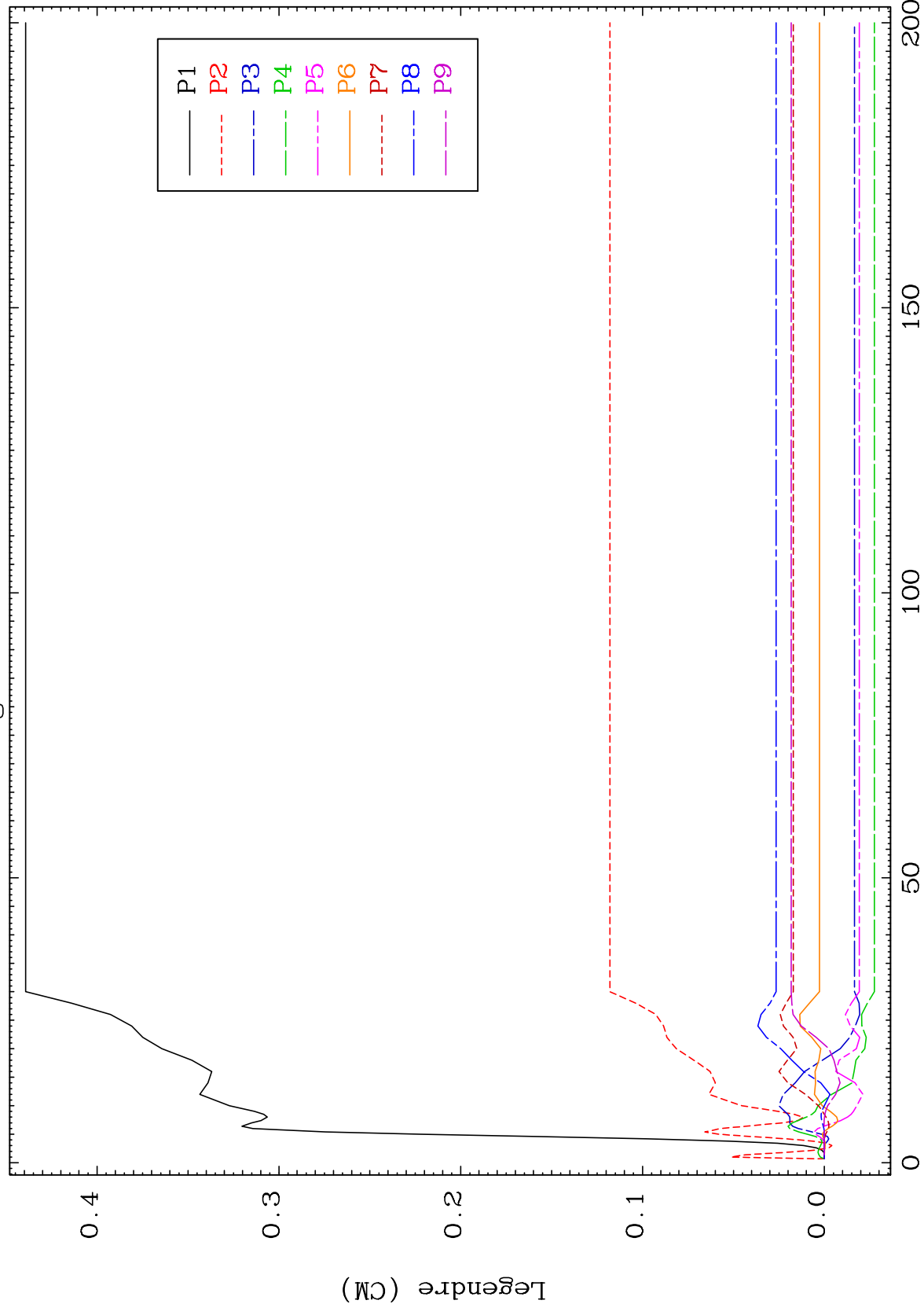




MAT 5955

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

59-Pr-151



59-Pr-151

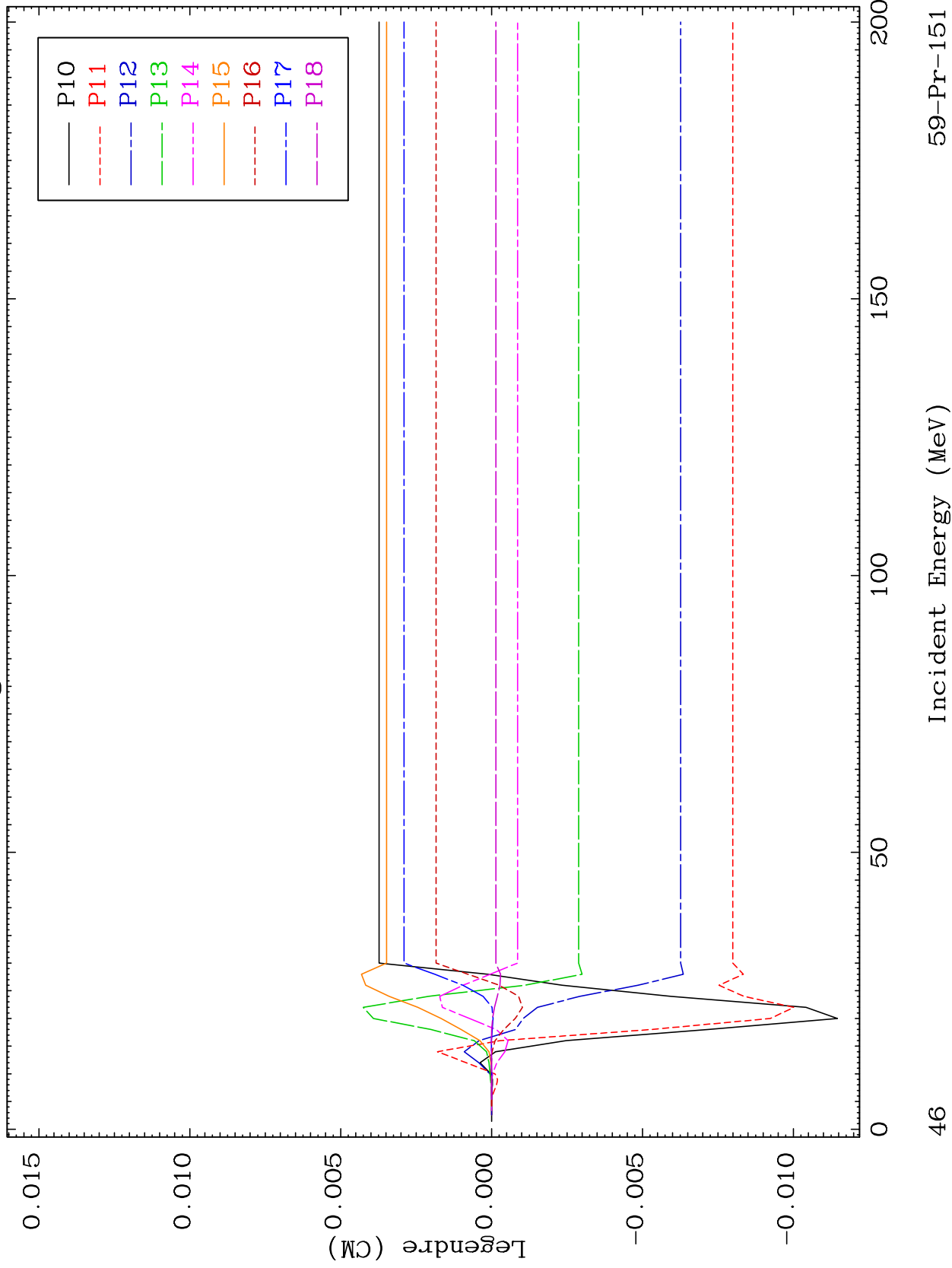
Incident Energy (MeV)

45

MAT 5955

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

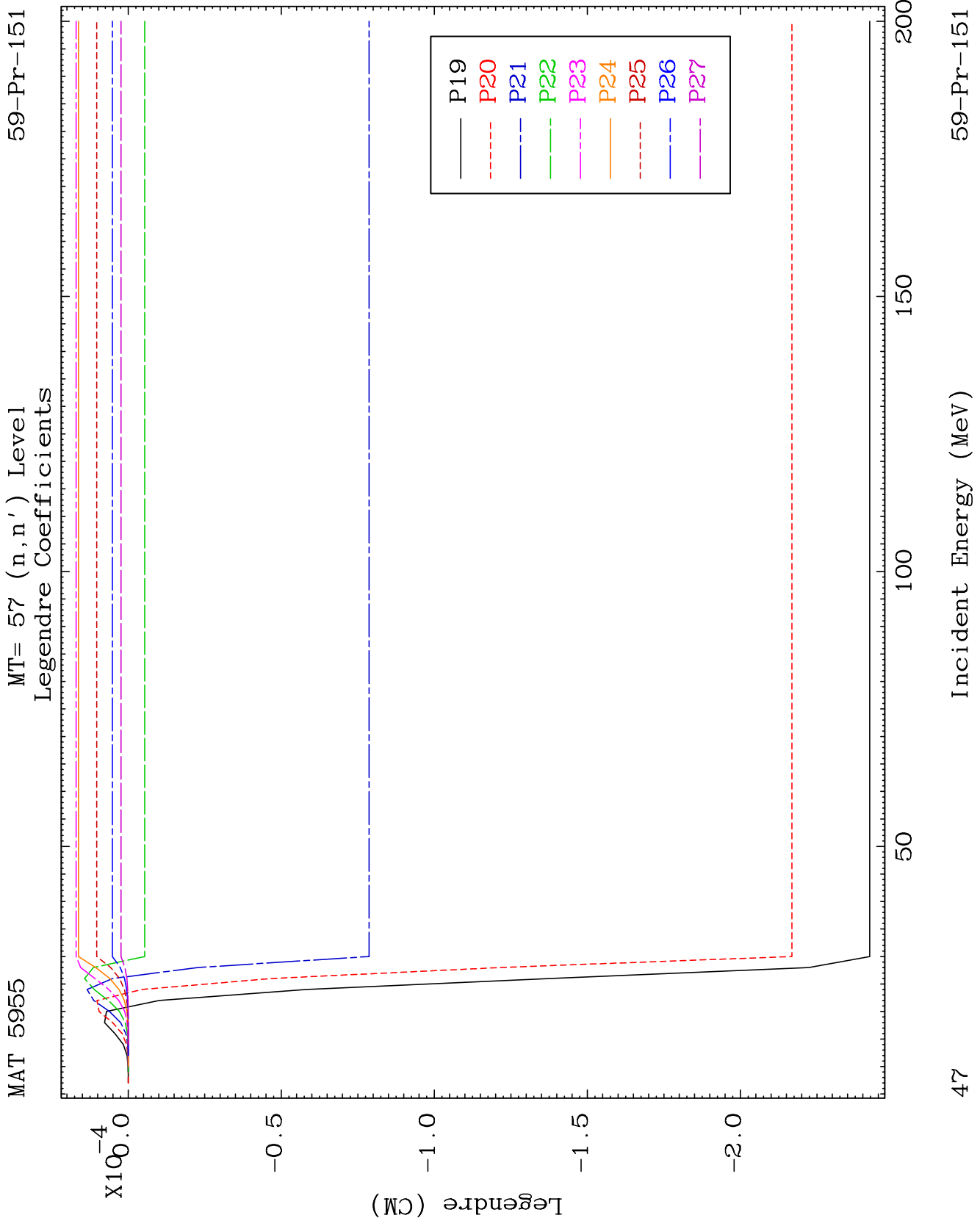
59-Pr-151



59-Pr-151

Incident Energy (MeV)

46

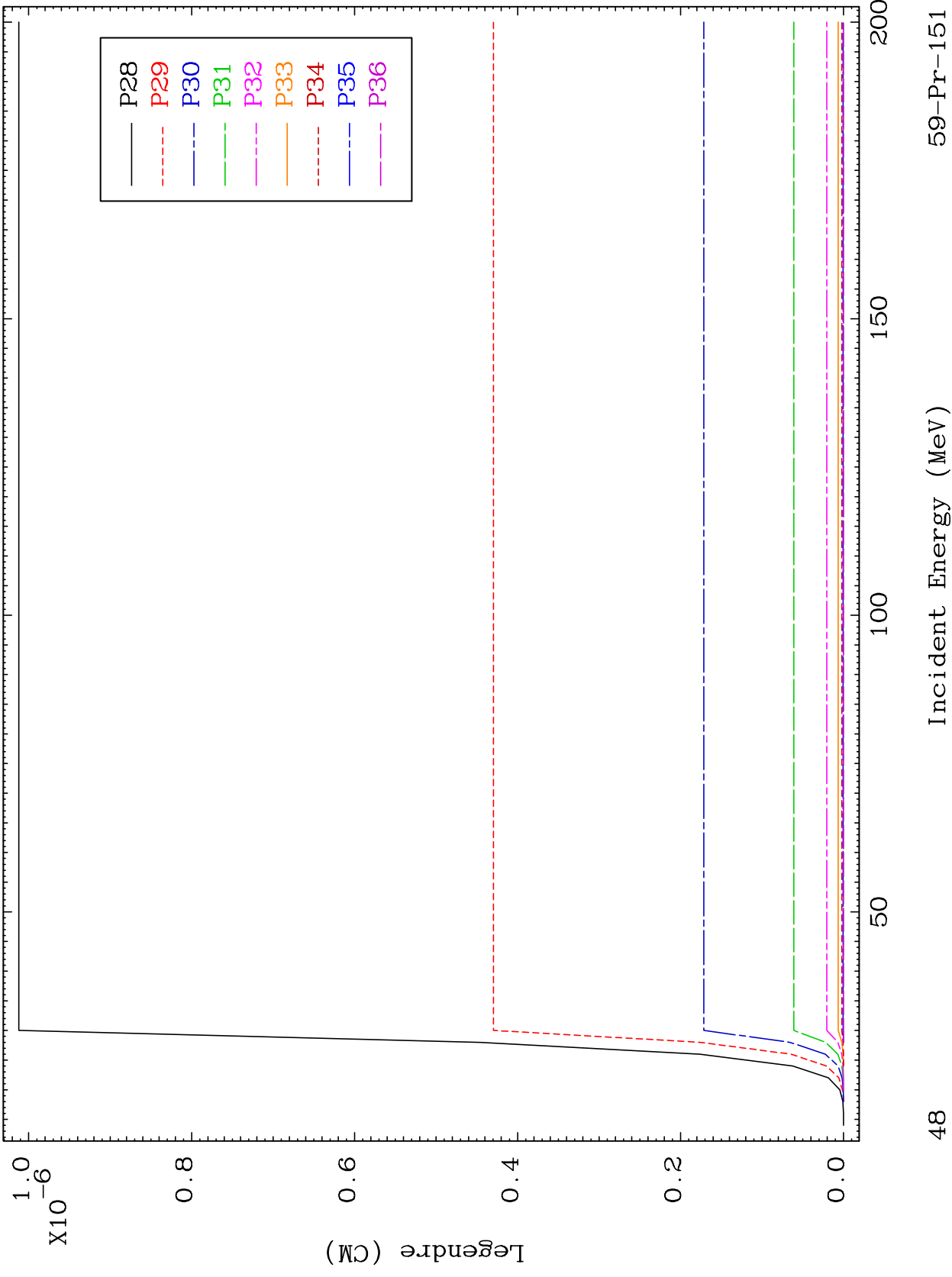




MAT 5955

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

59-Pr-151



48

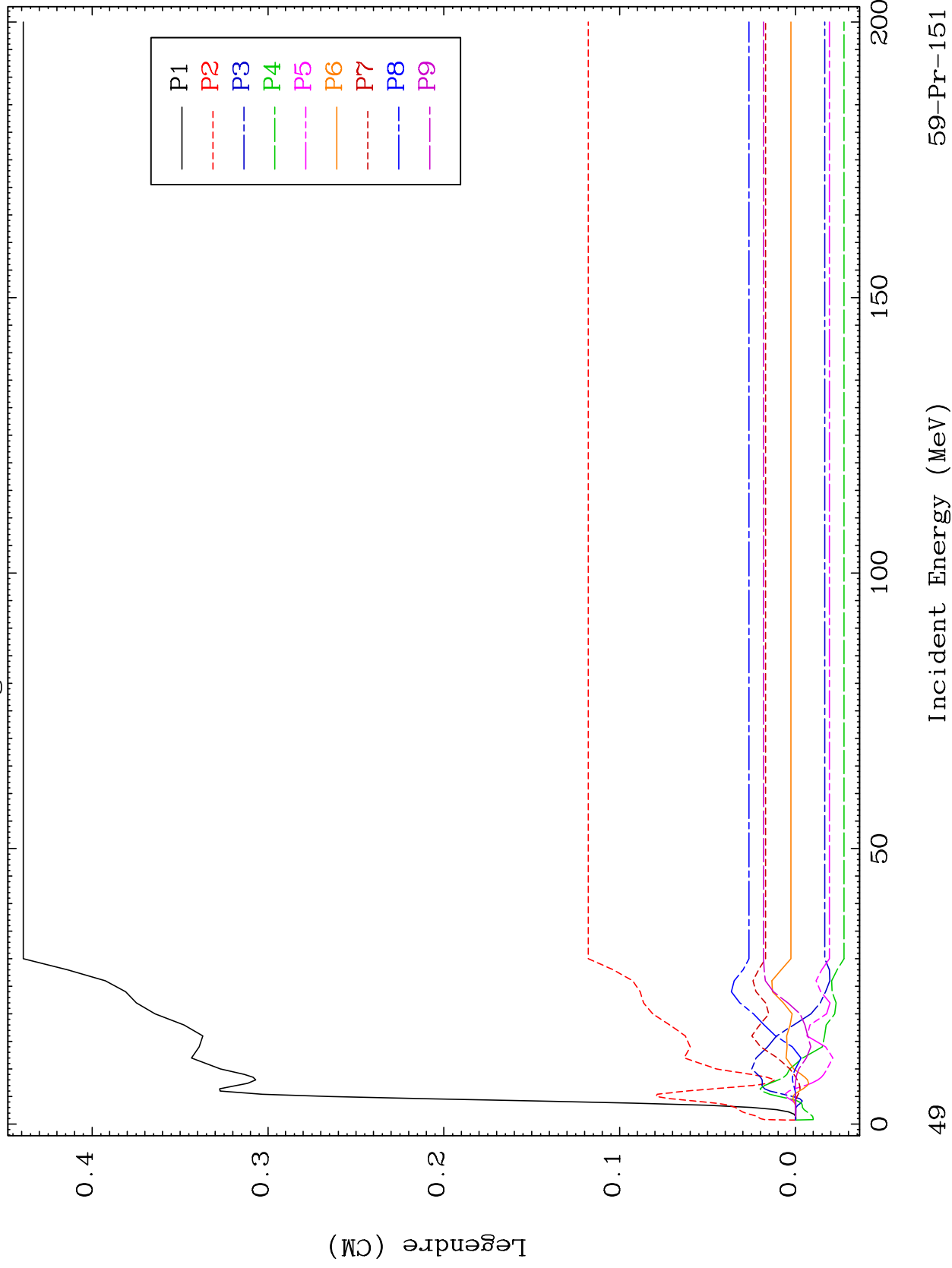
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151

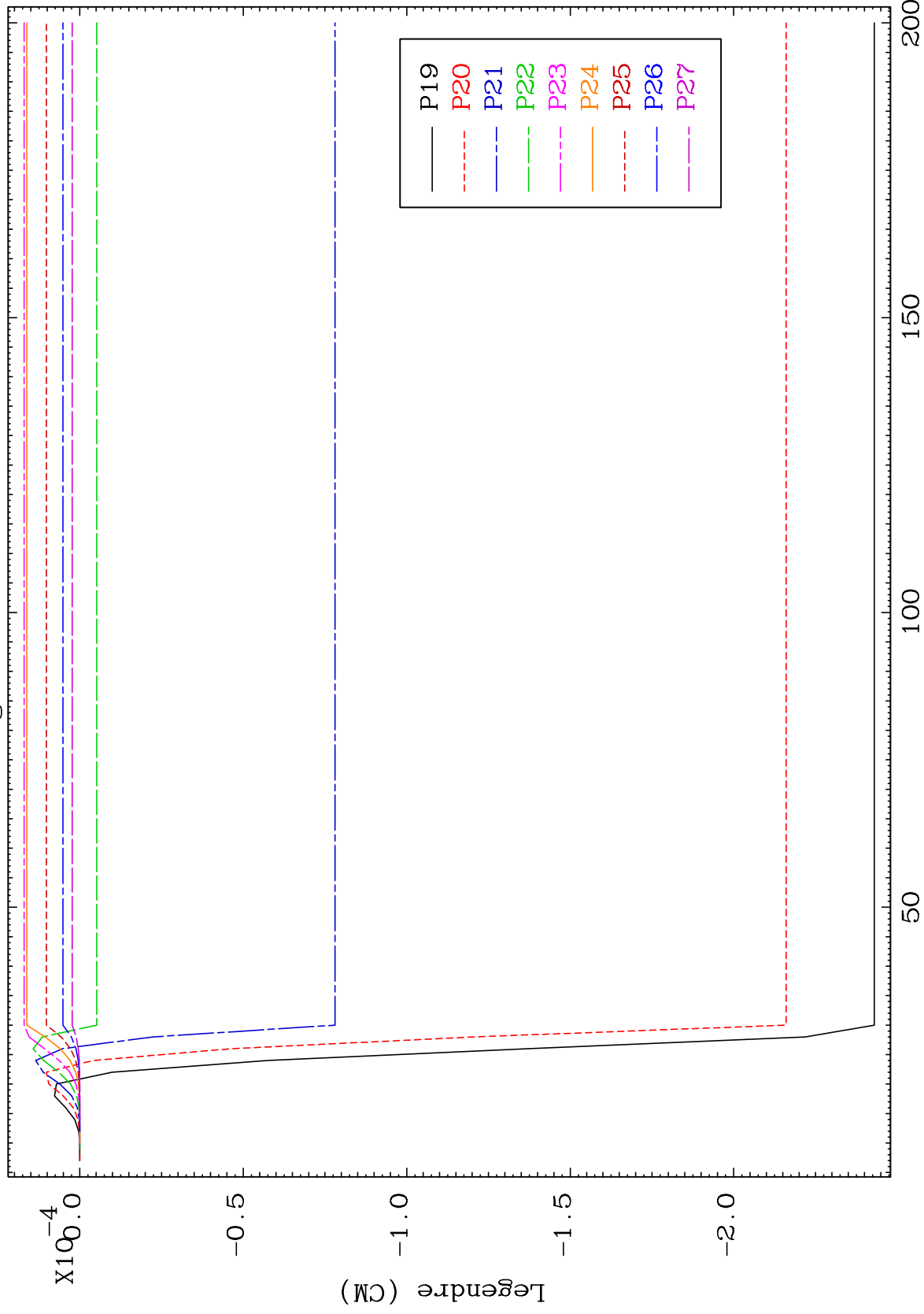


59-Pr-151

Incident Energy (MeV)

49

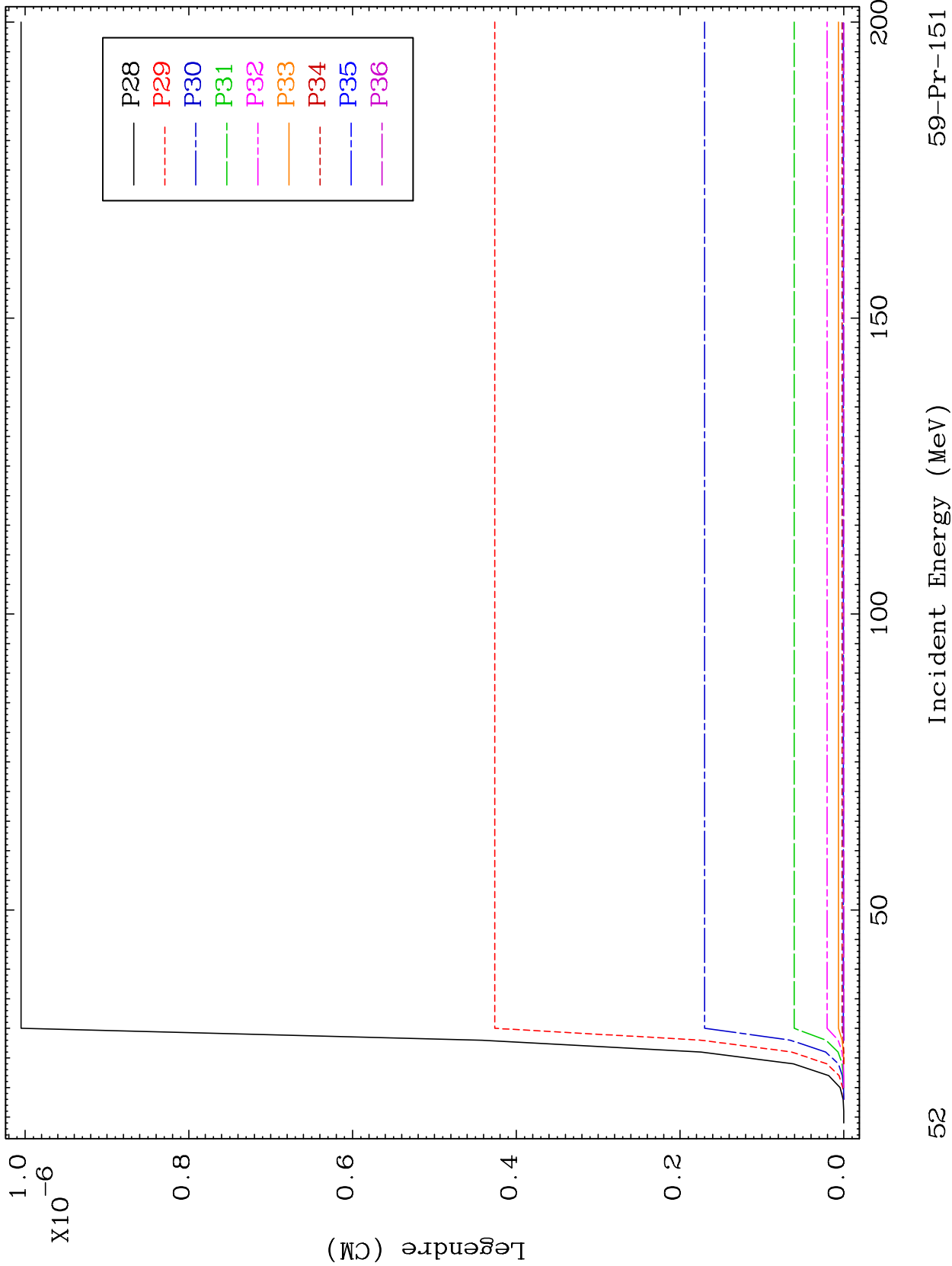




MAT 5955

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

59-Pr-151



52

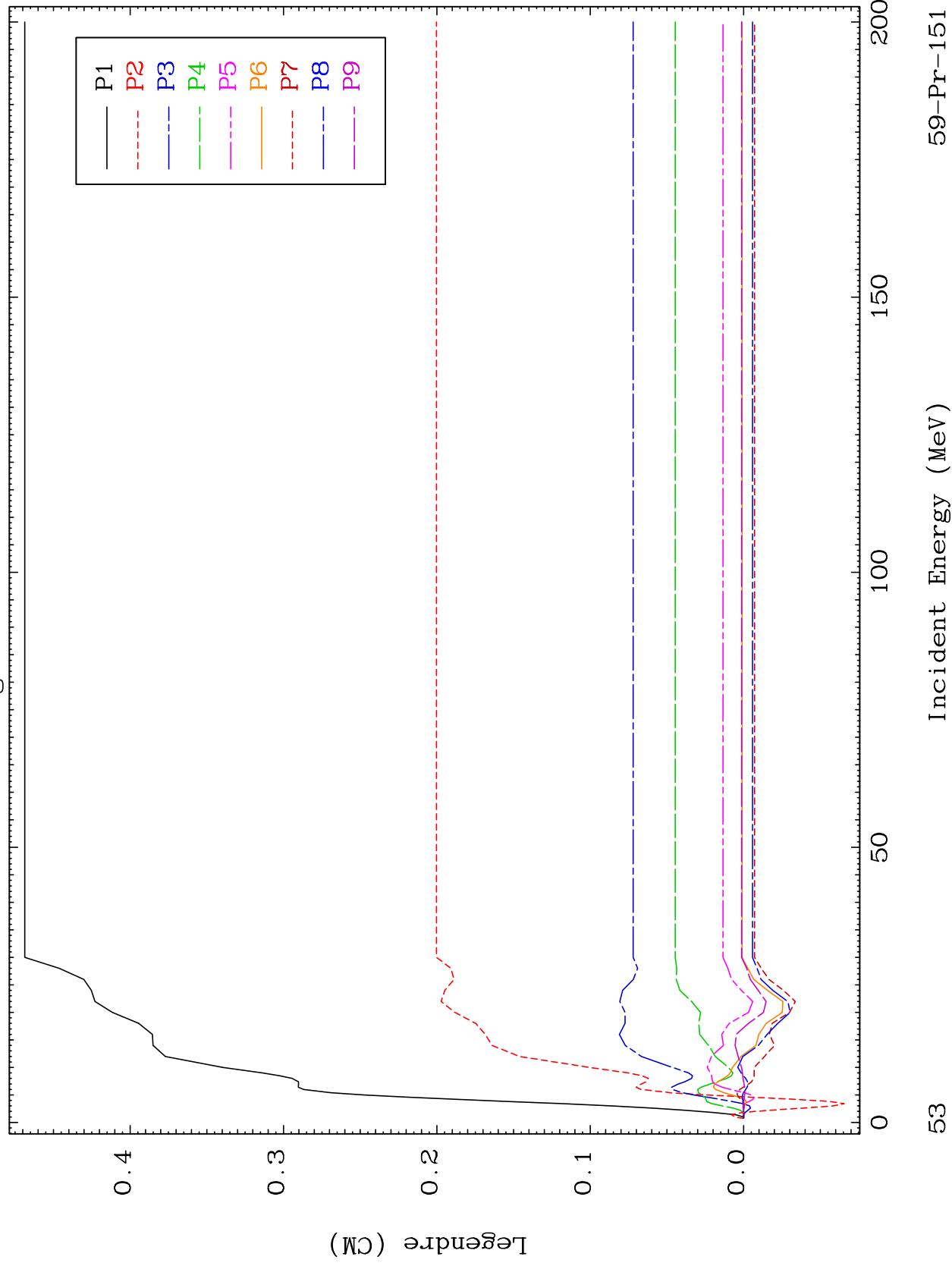
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



59-Pr-151

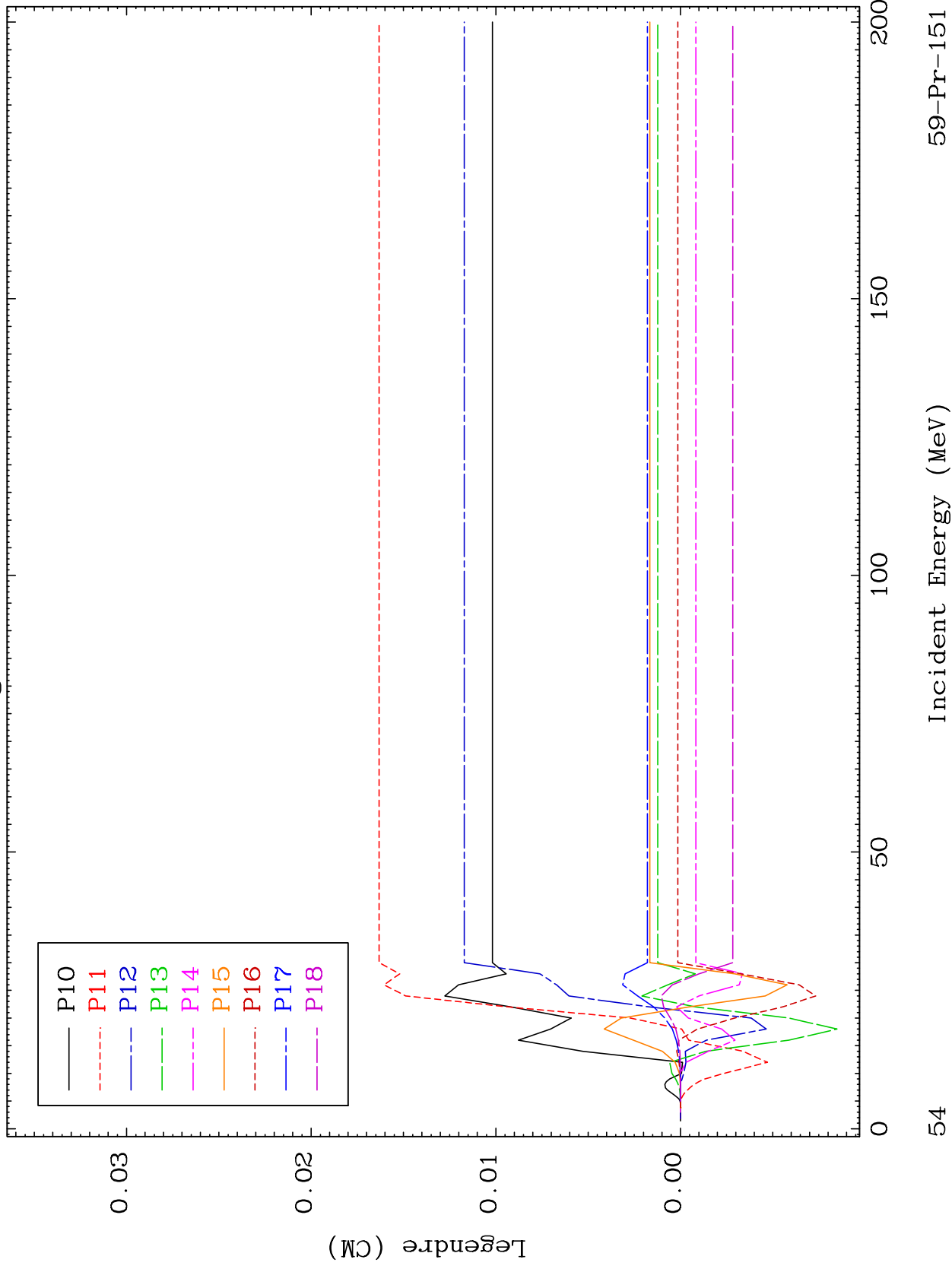
Incident Energy (MeV)

53

MAT 5955

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

59-Pr-151



54

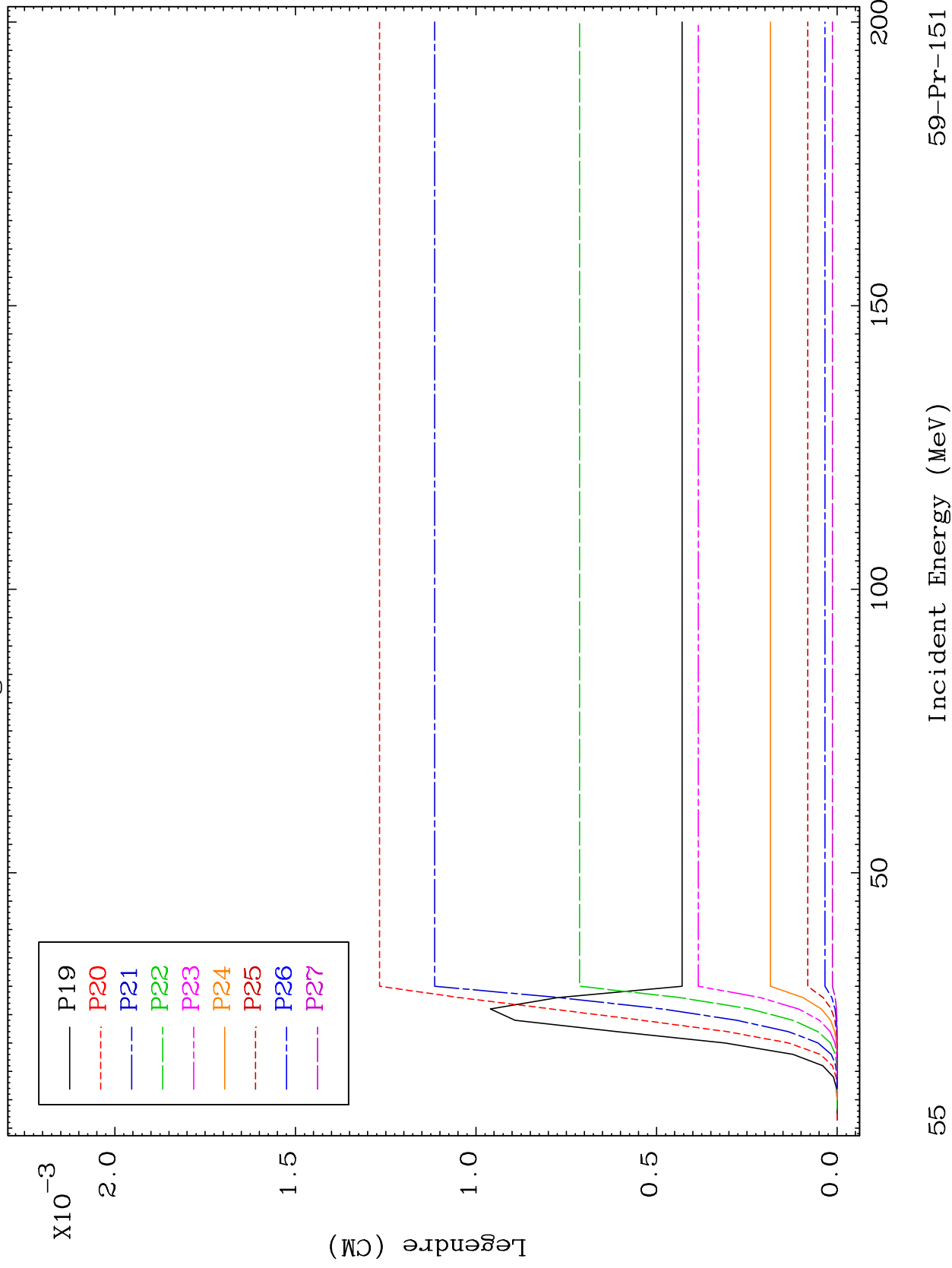
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



59-Pr-151

Incident Energy (MeV)

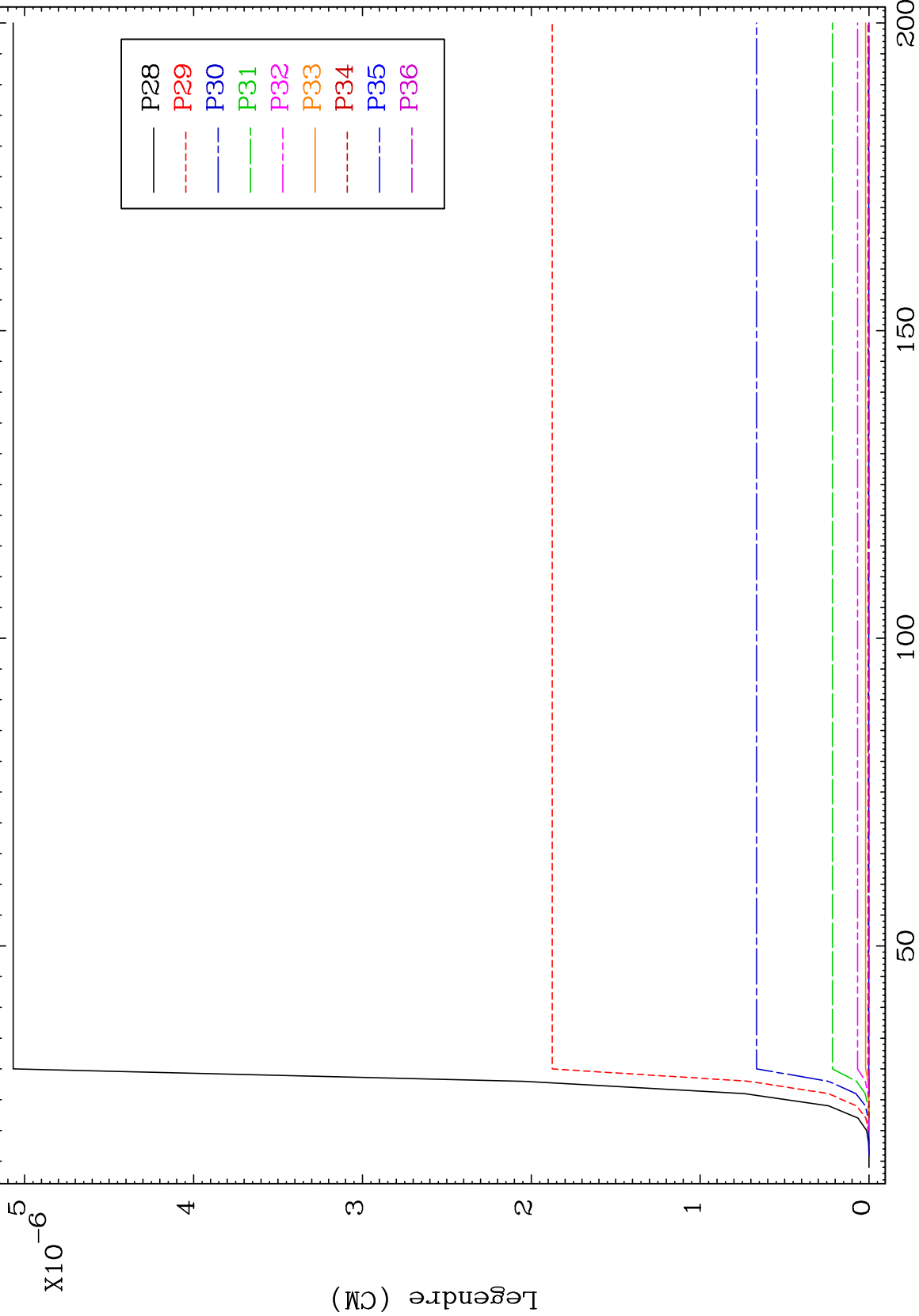
55



MAT 5955

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

59-Pr-151



56

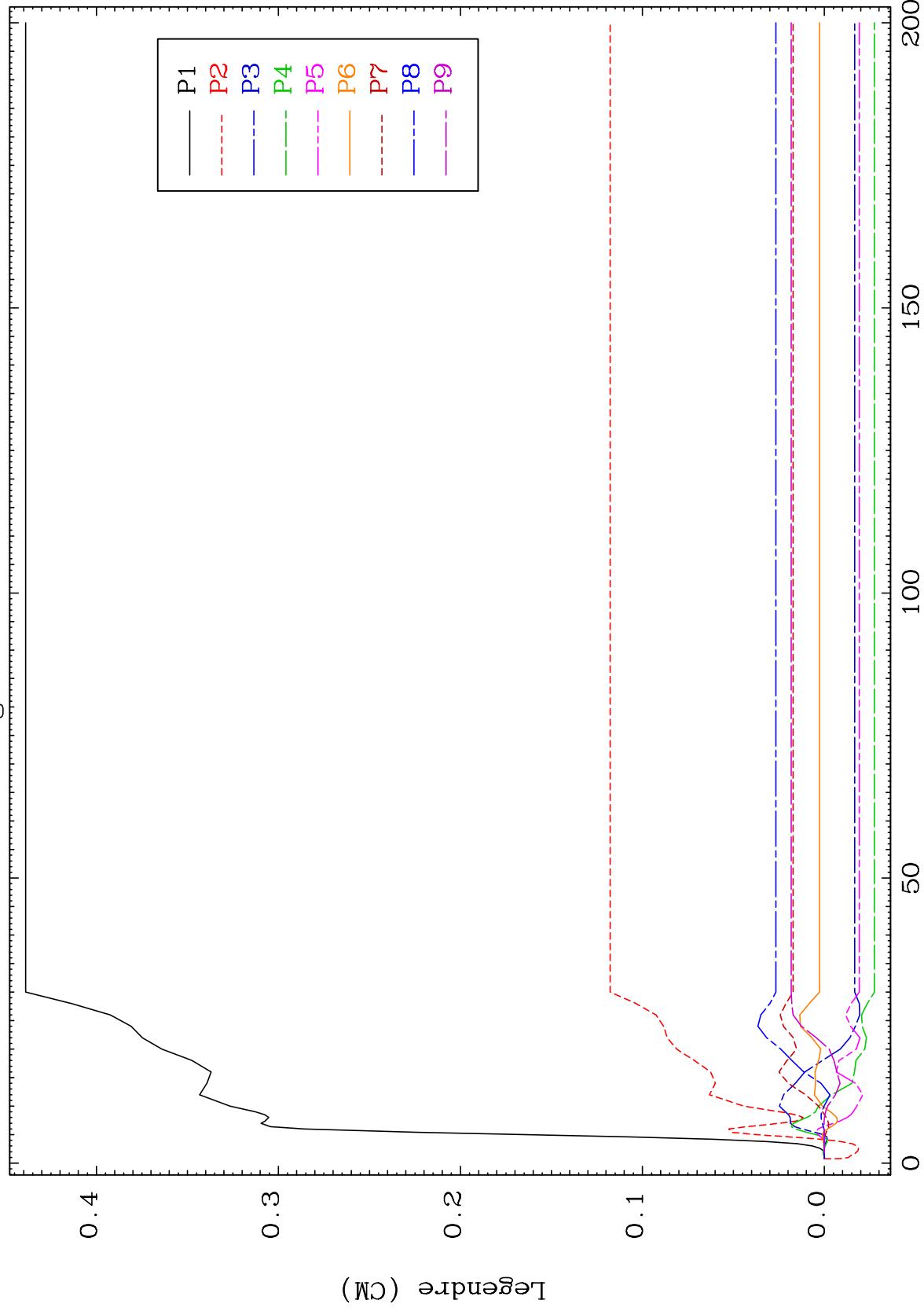
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151

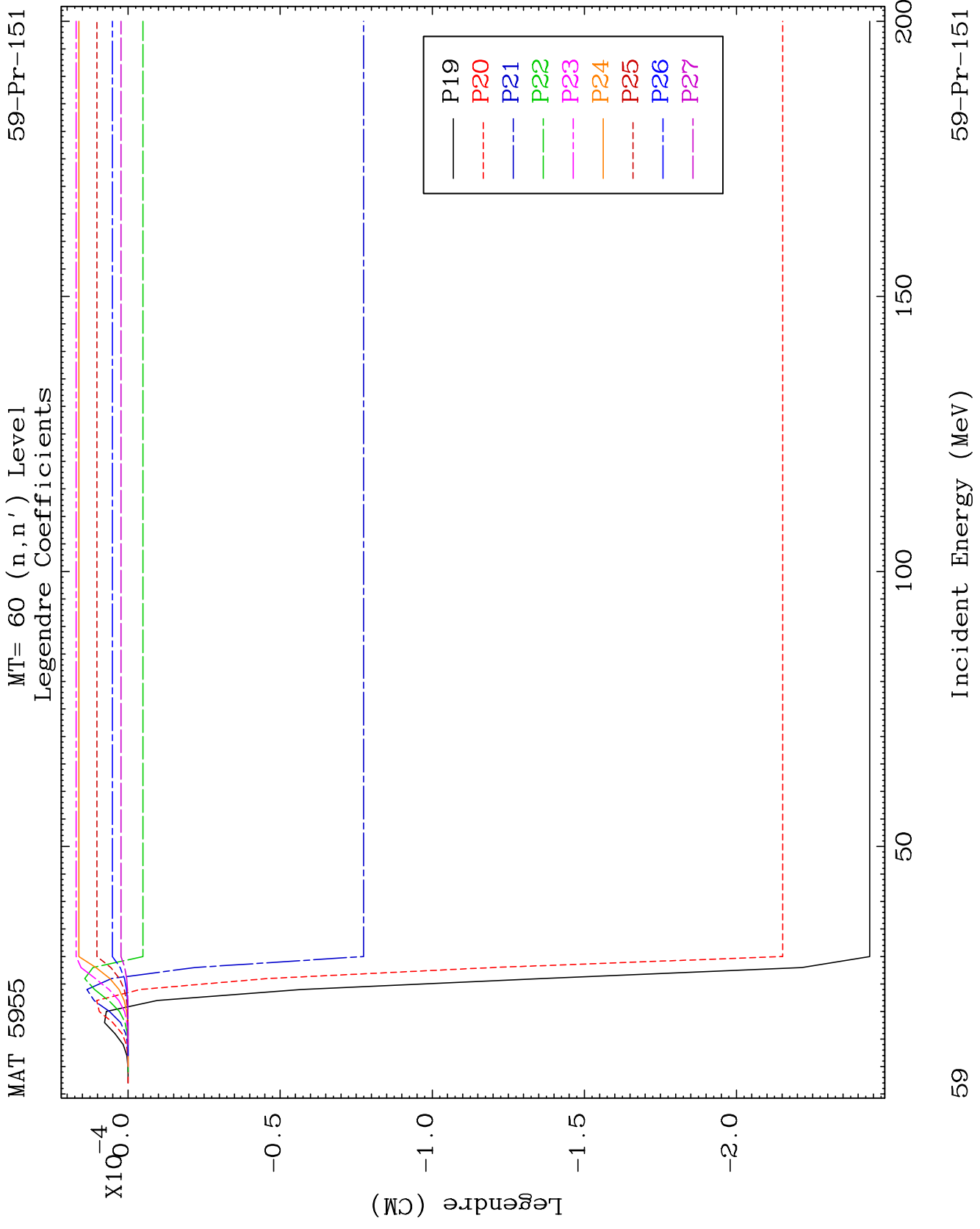


57

Incident Energy (MeV)

59-Pr-151

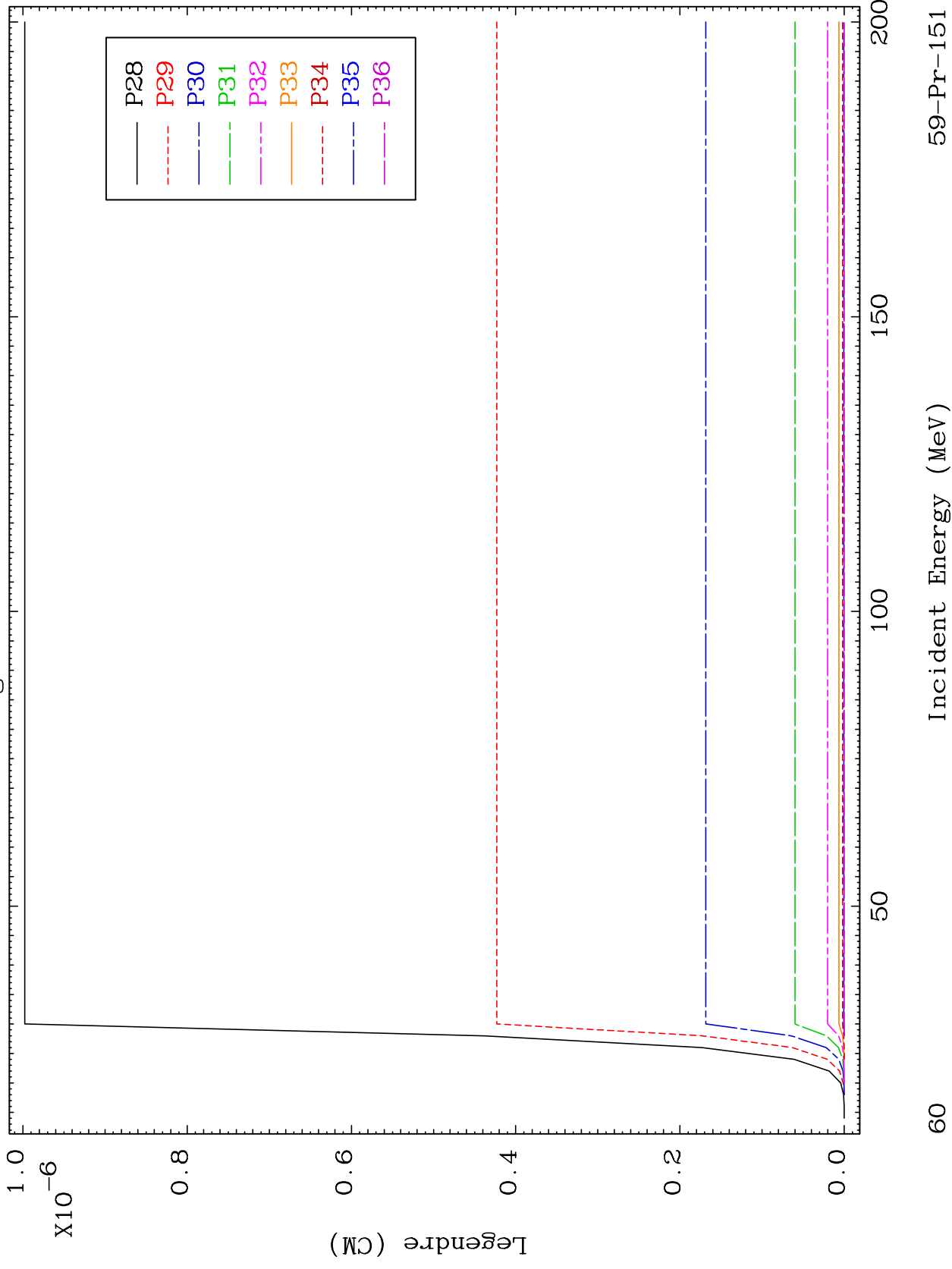




MAT 5955

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

59-Pr-151



59-Pr-151

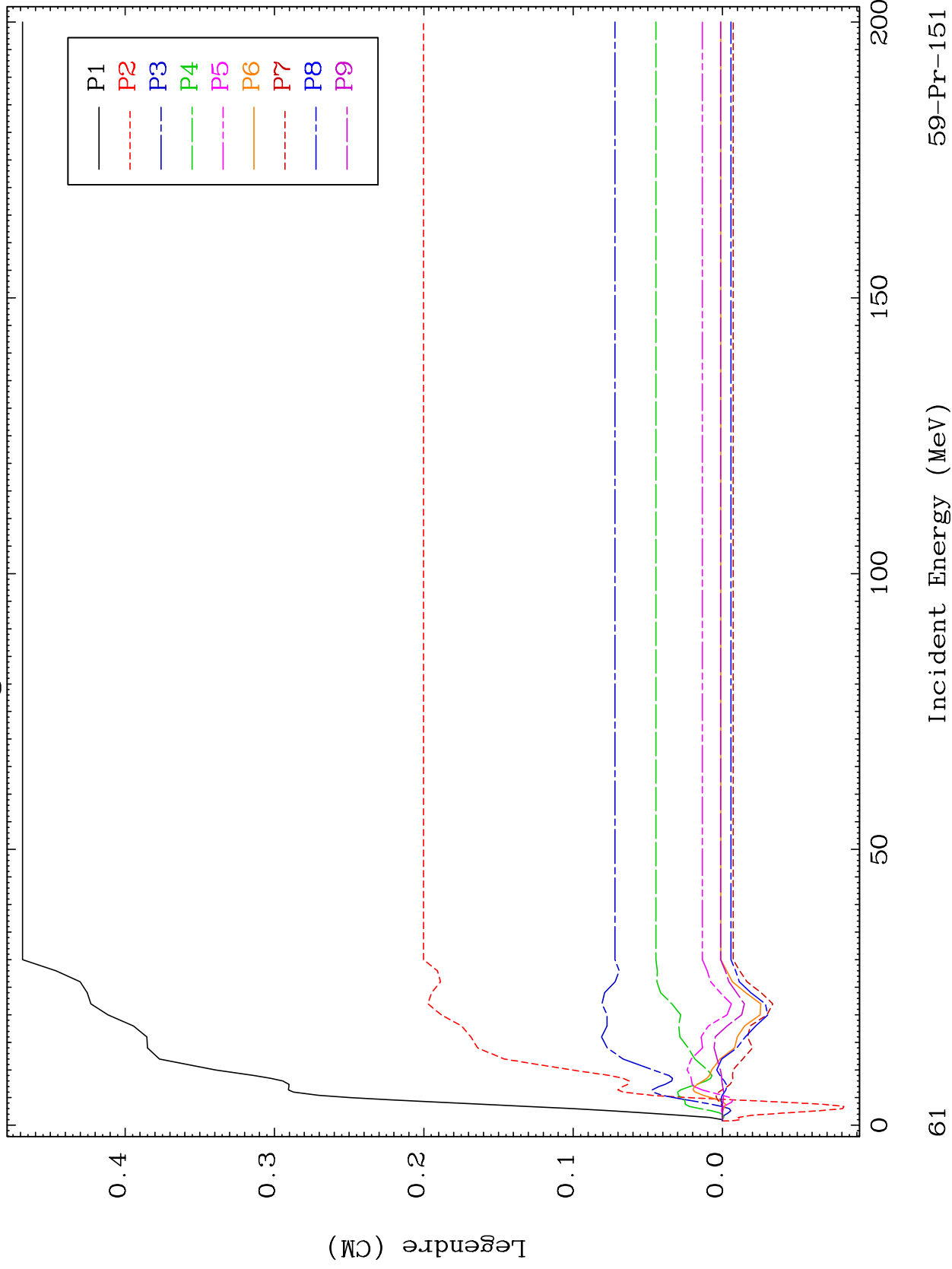
Incident Energy (MeV)

60

MAT 5955

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

59-Pr-151



59-Pr-151

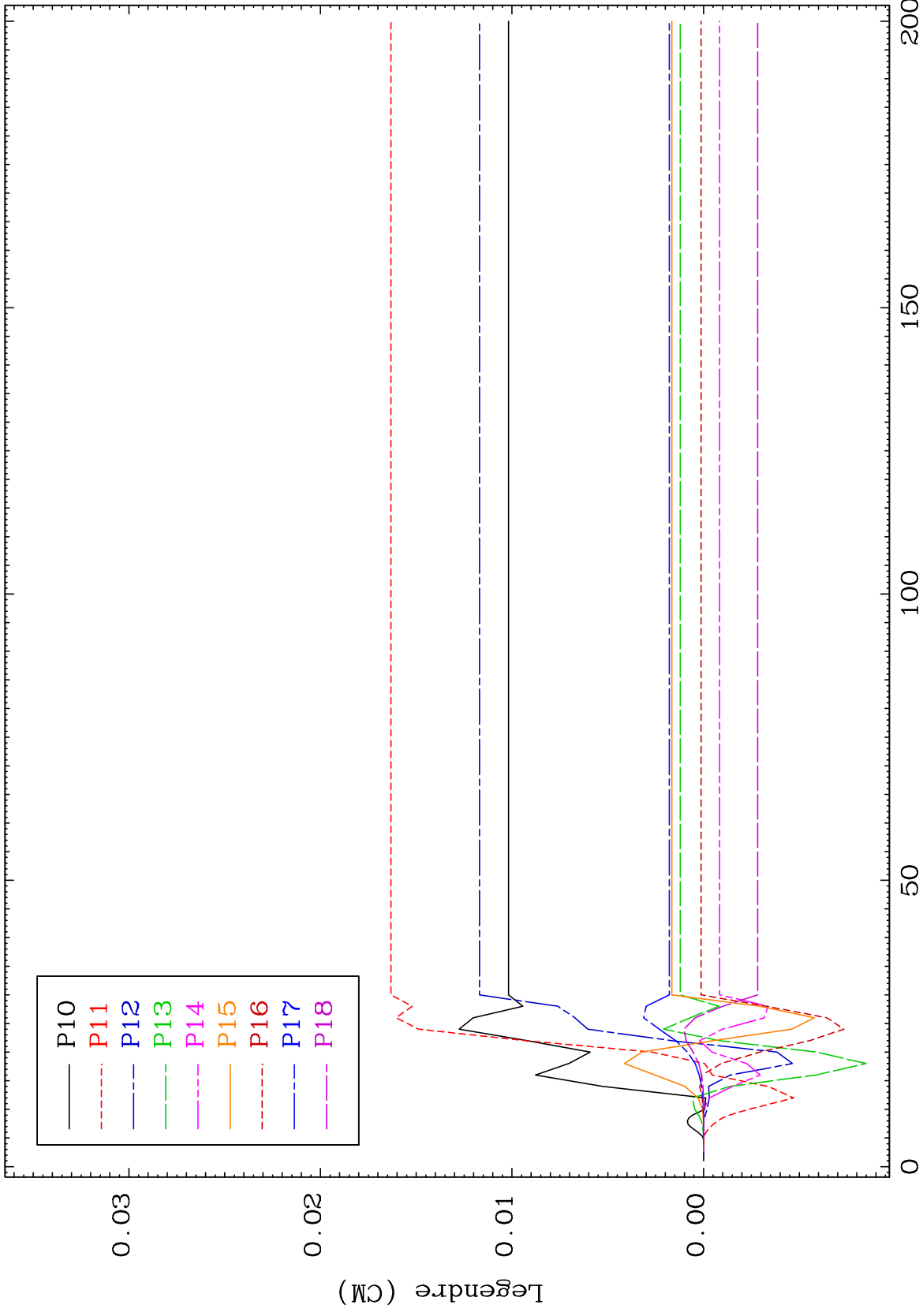
Incident Energy (MeV)

61

MAT 5955

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

59-Pr-151



62

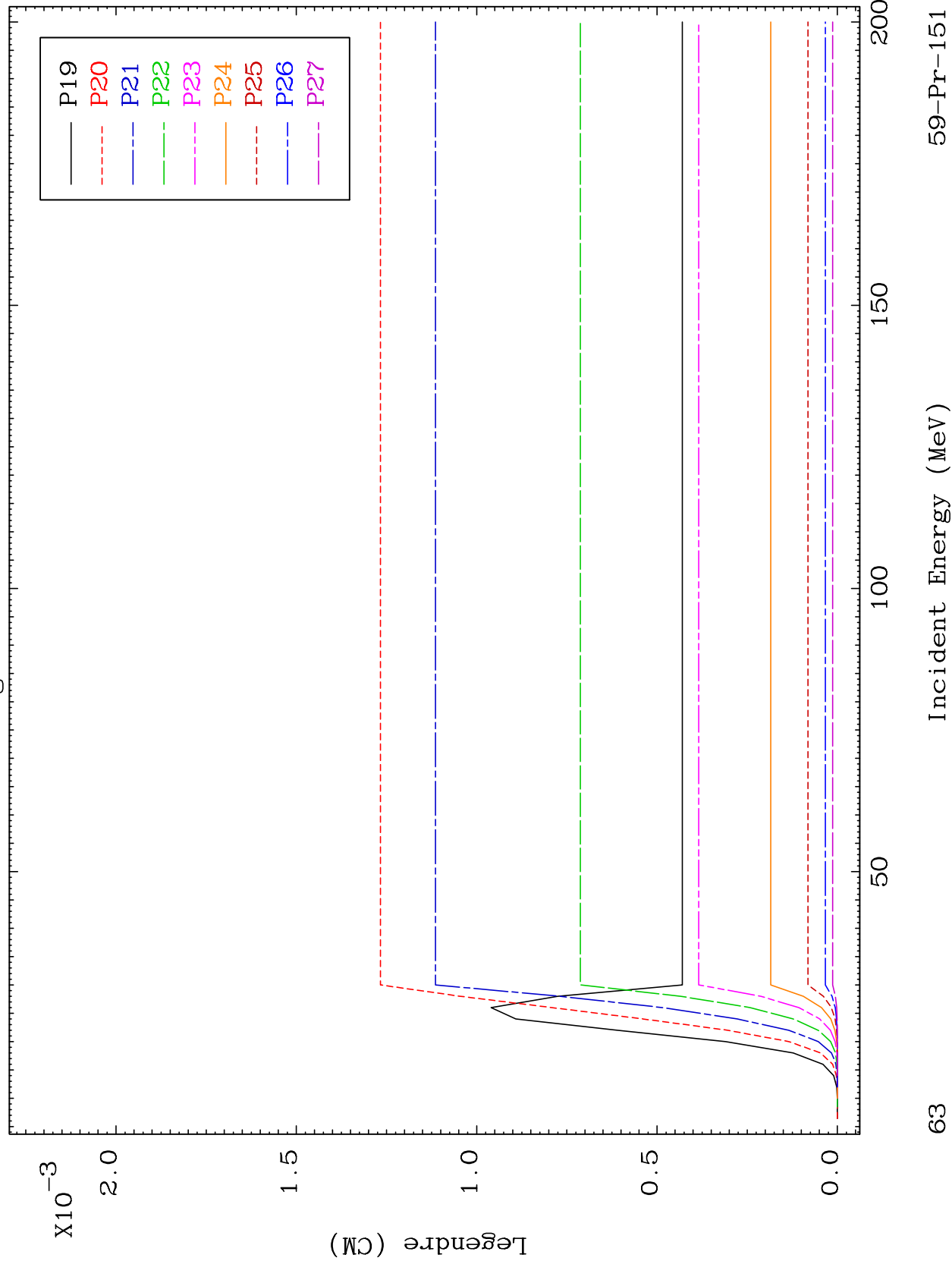
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



63

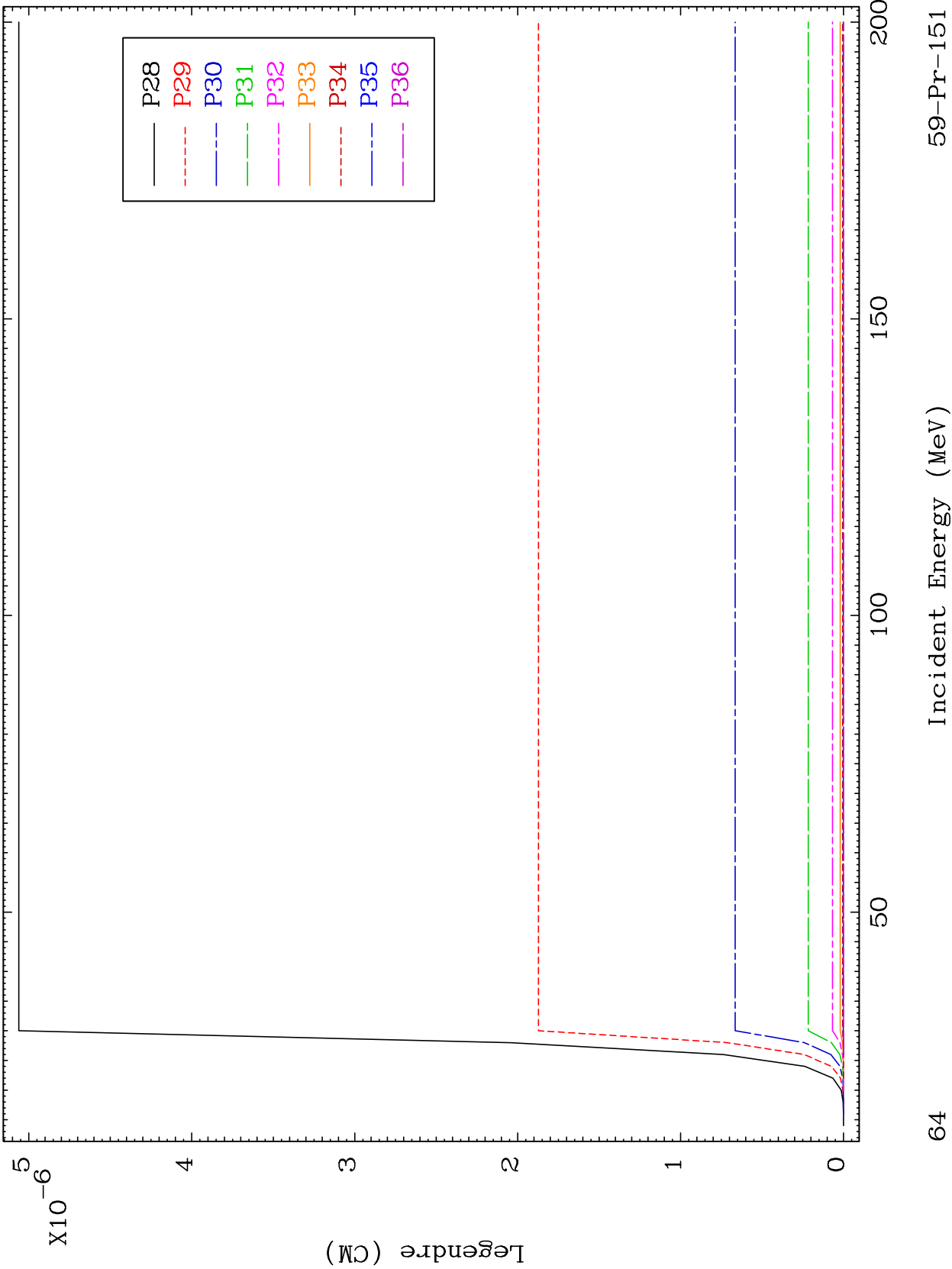
59-Pr-151



MAT 5955

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

59-Pr-151



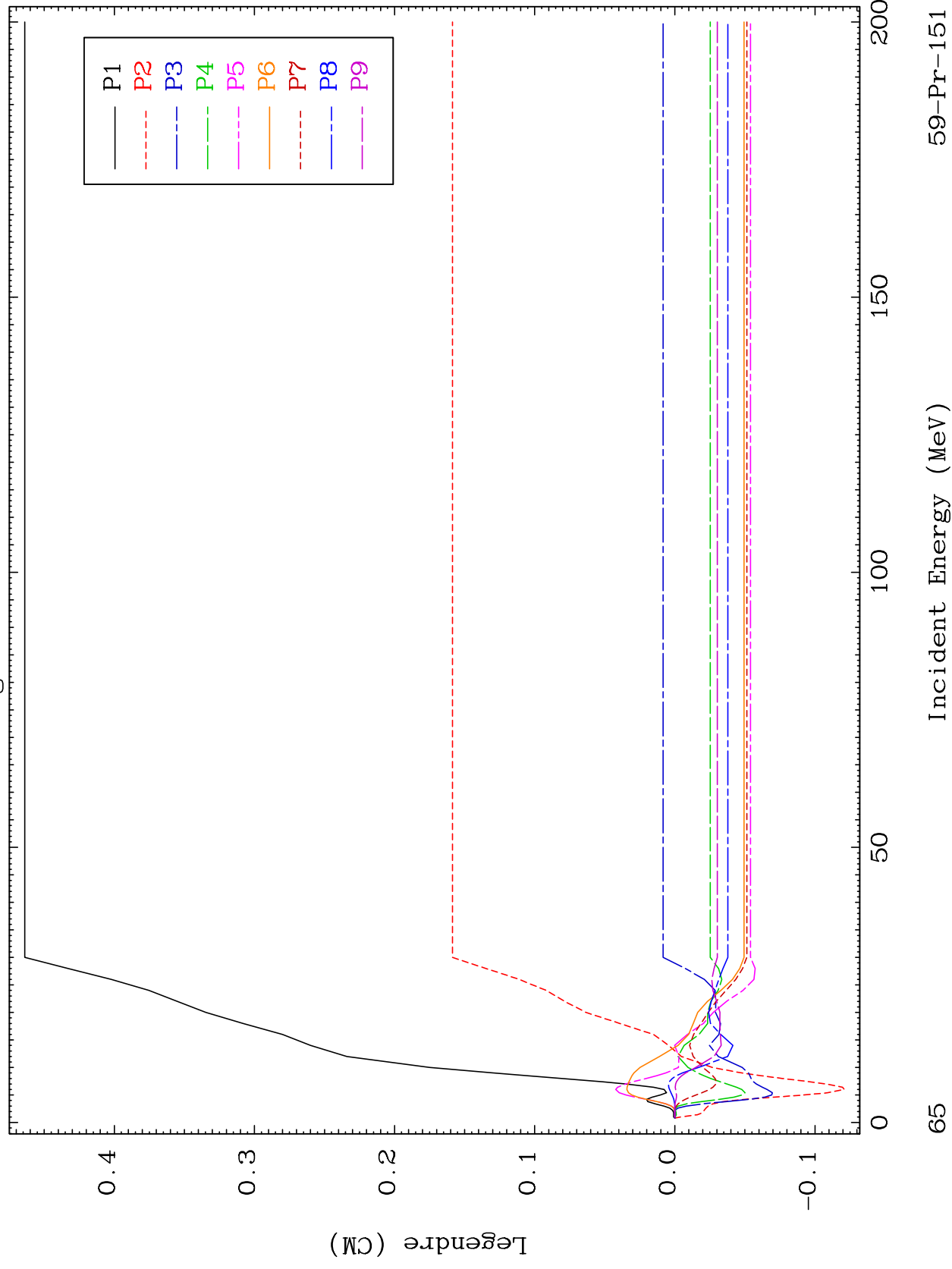
64

59-Pr-151

MAT 5955

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

59-Pr-151



59-Pr-151

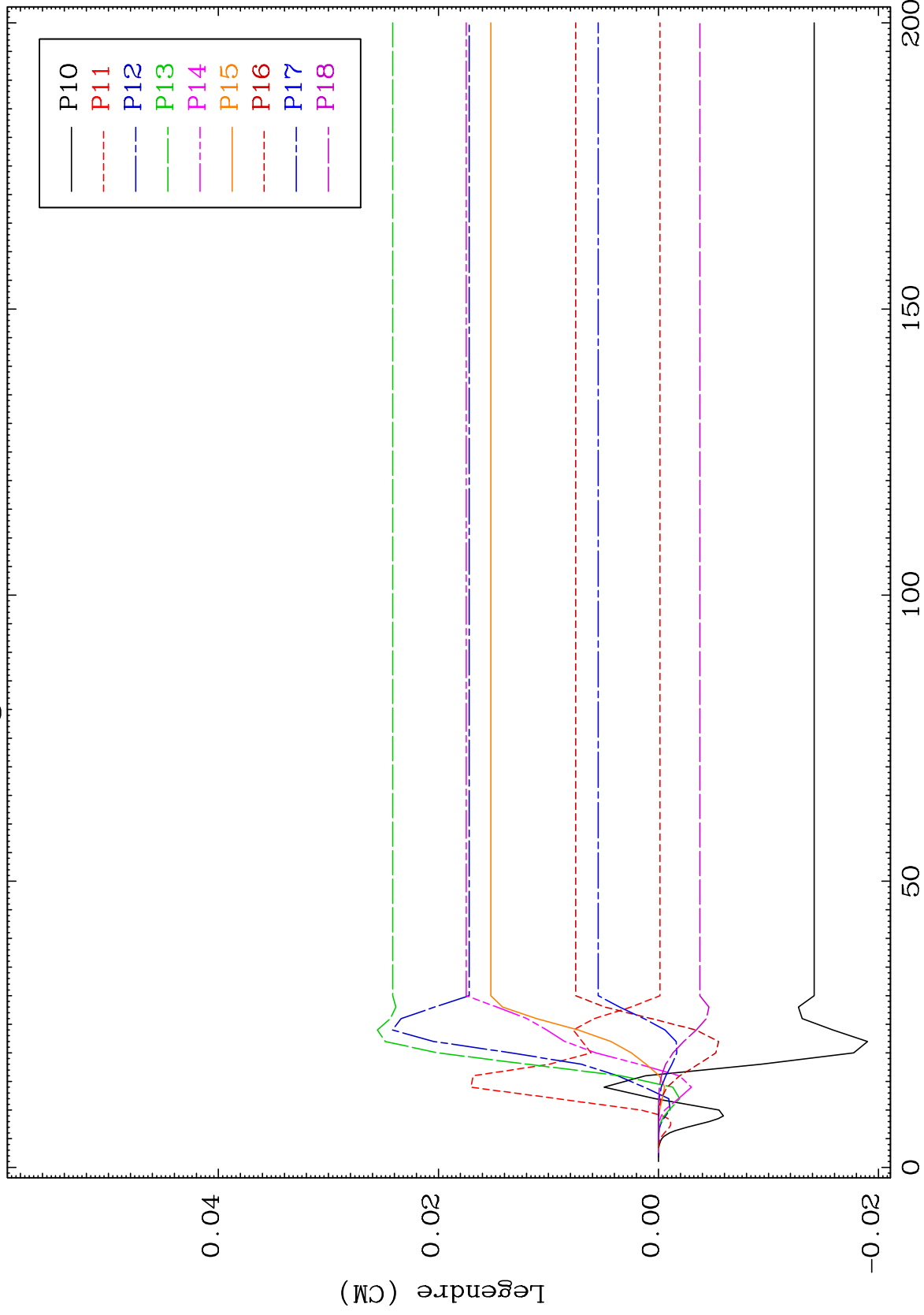
Incident Energy (MeV)

65

MAT 5955

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

59-Pr-151



66

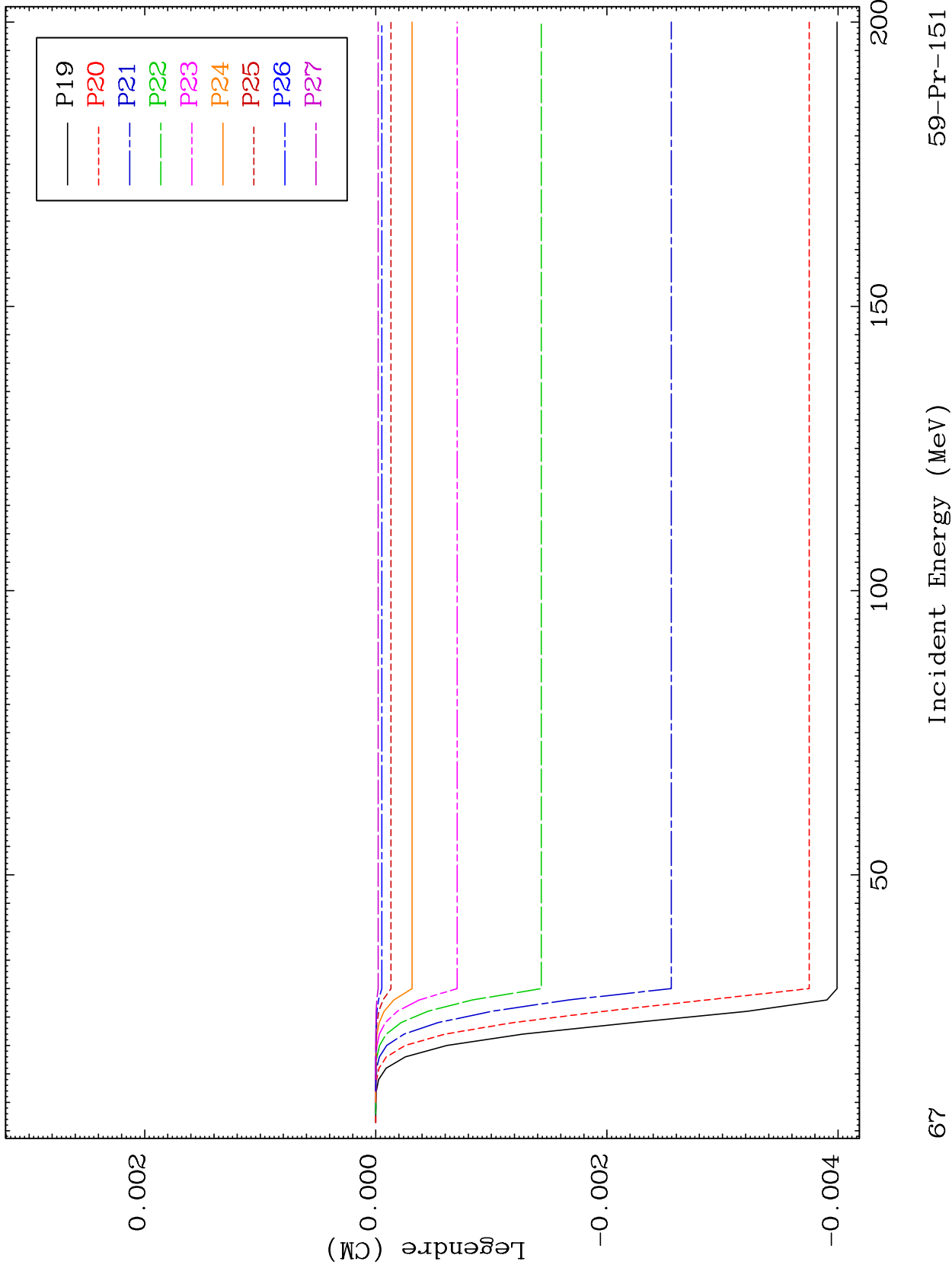
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

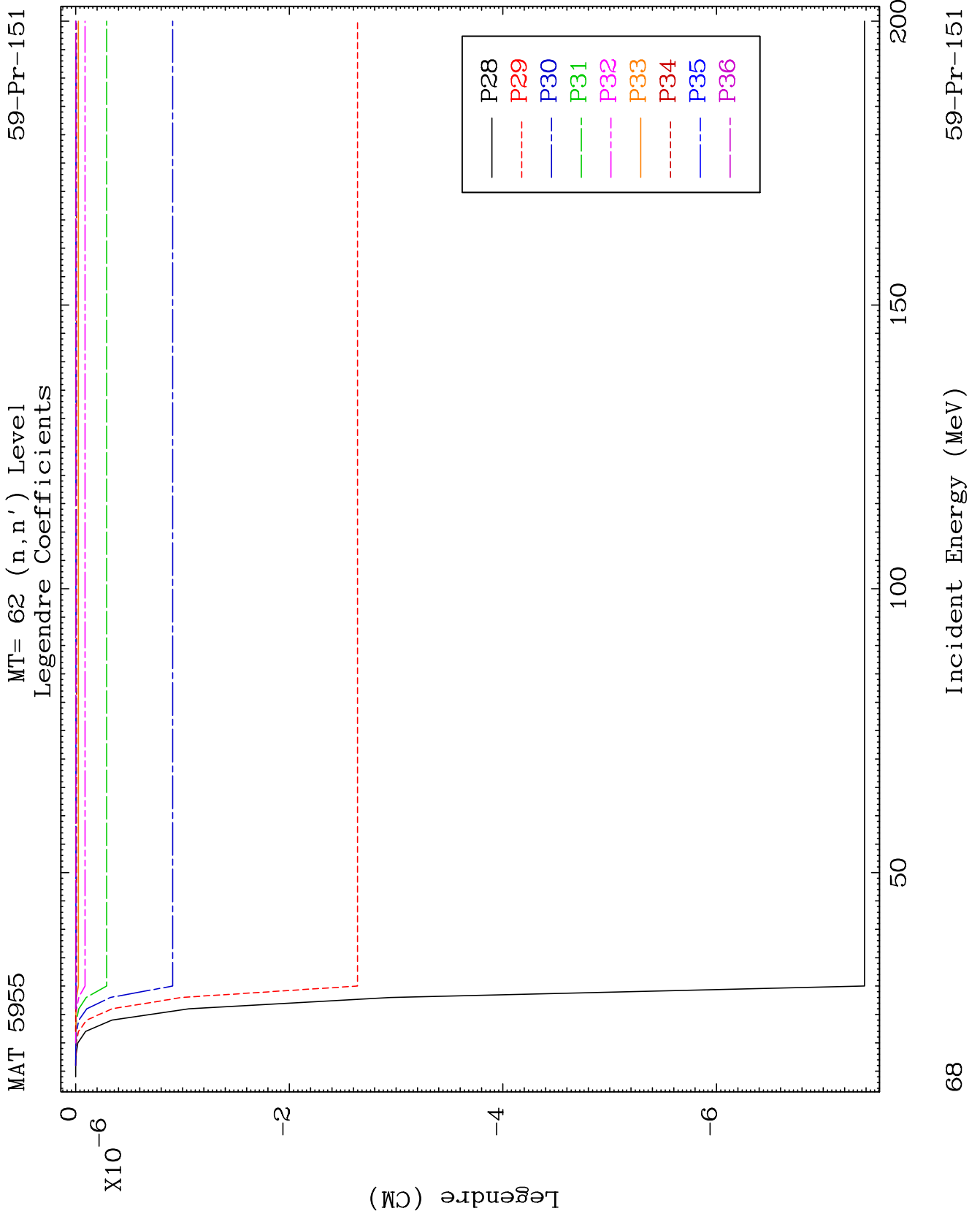
59-Pr-151



67

Incident Energy (MeV)

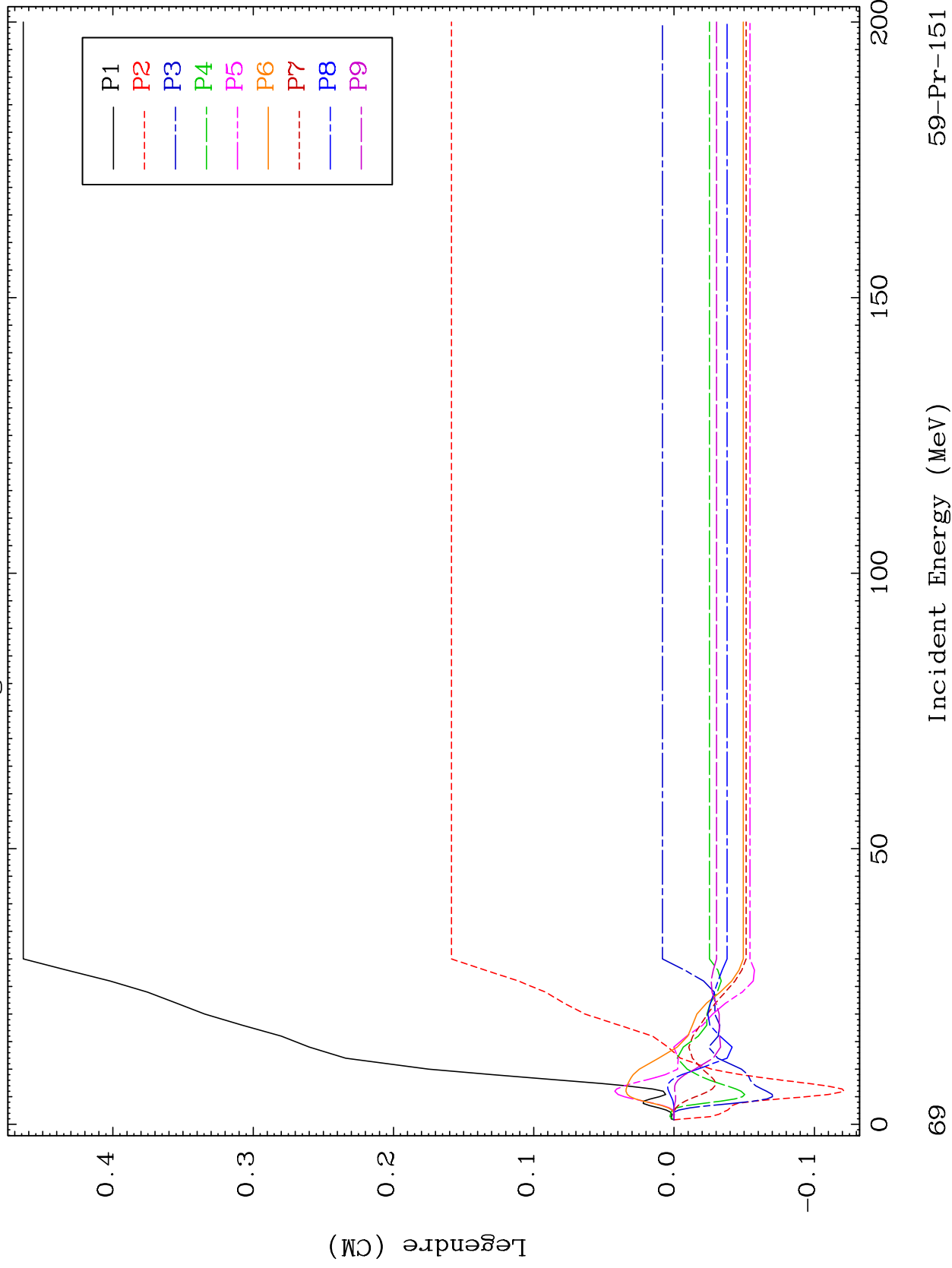
59-Pr-151



MAT 5955

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

59-Pr-151



59-Pr-151

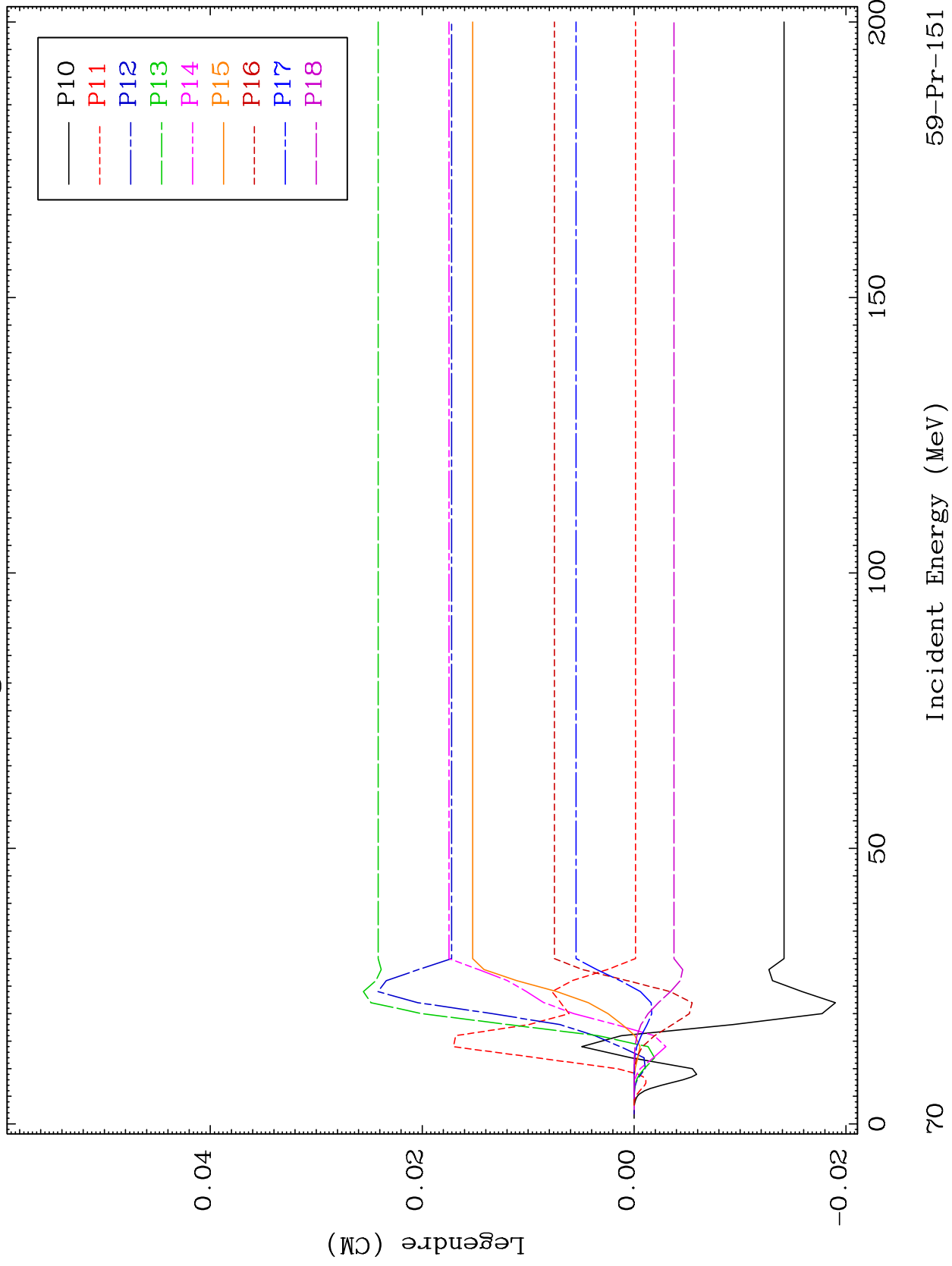
Incident Energy (MeV)

69

MAT 5955

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

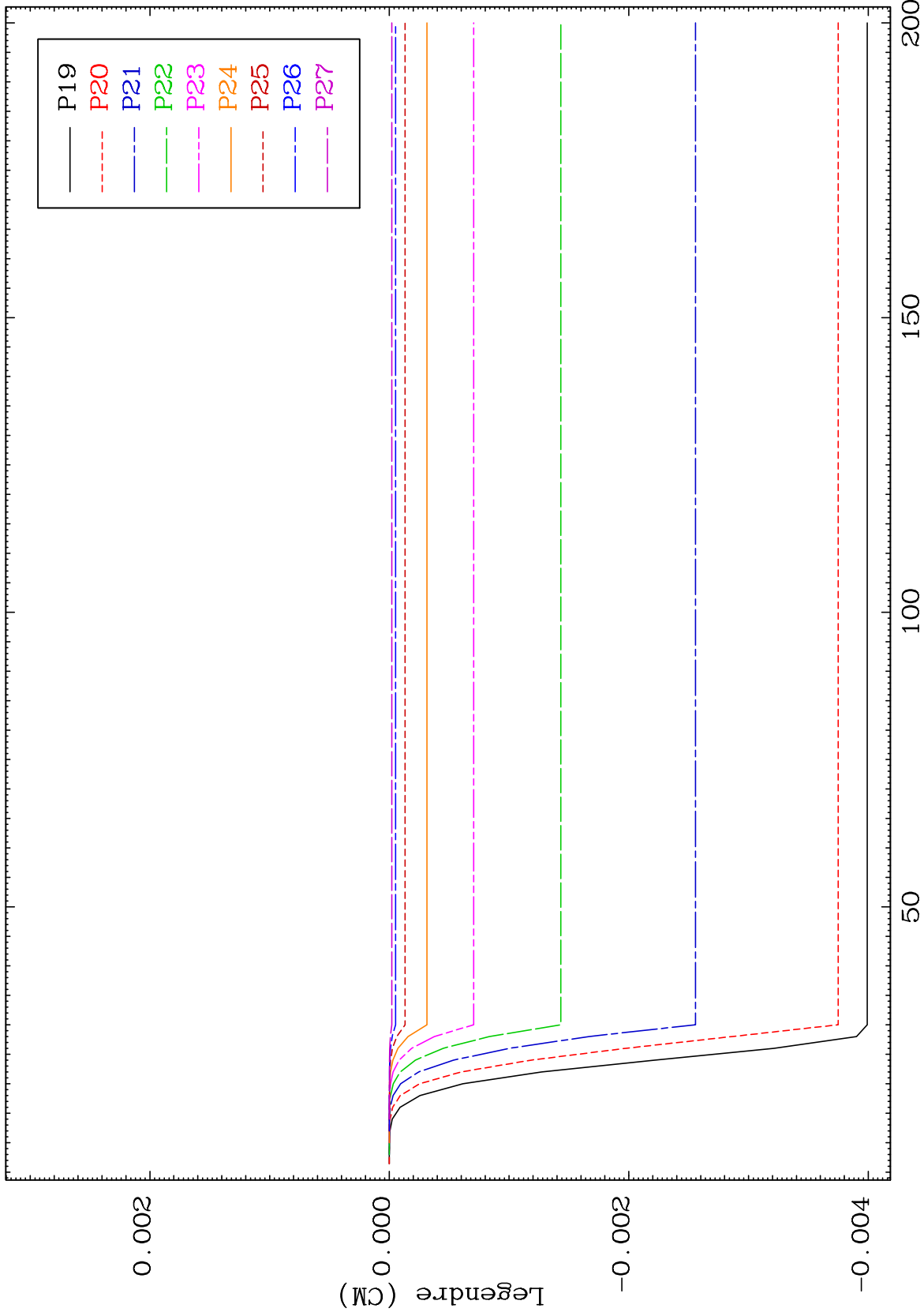
59-Pr-151



59-Pr-151

Incident Energy (MeV)

70



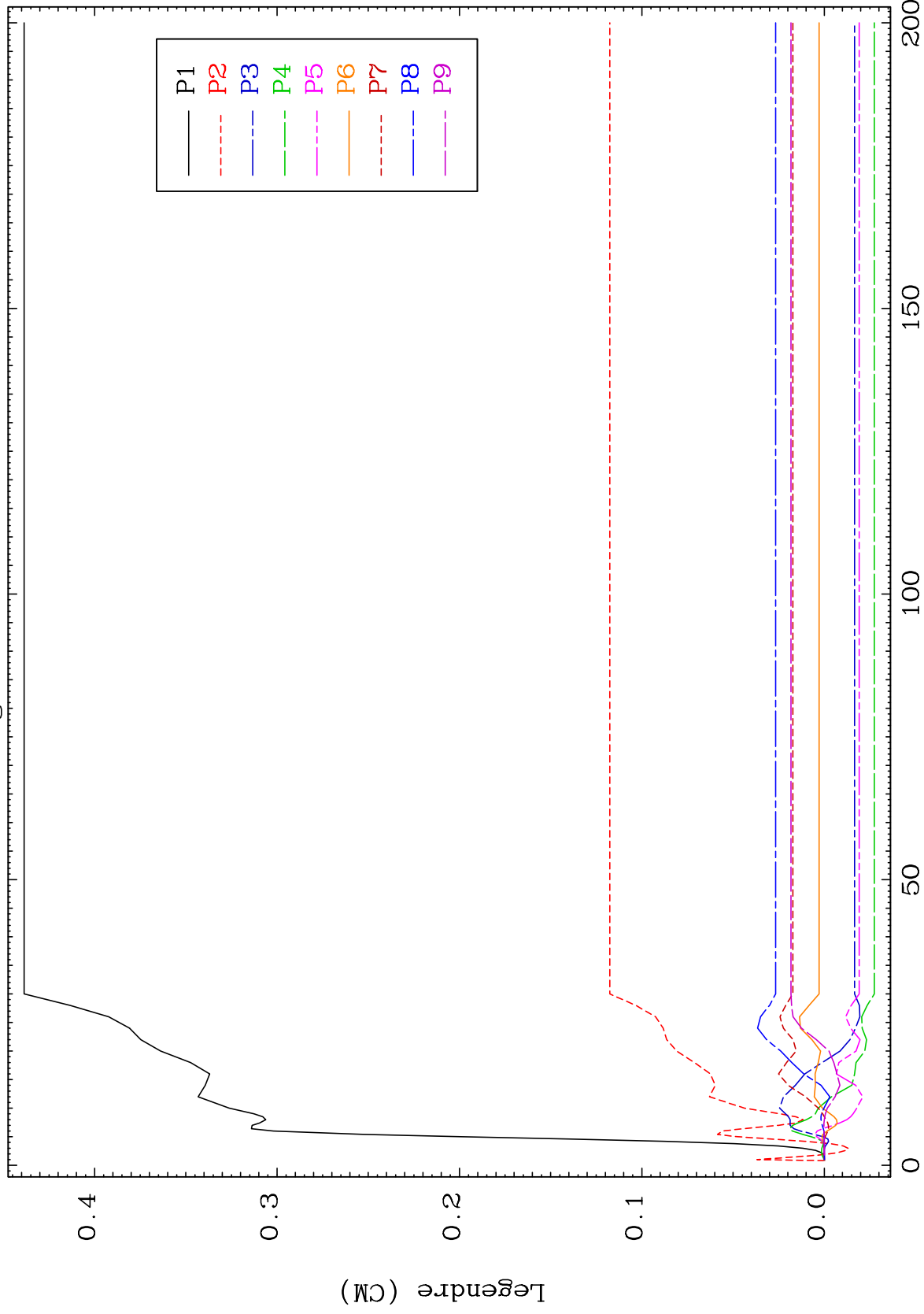




MAT 5955

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

59-Pr-151



73

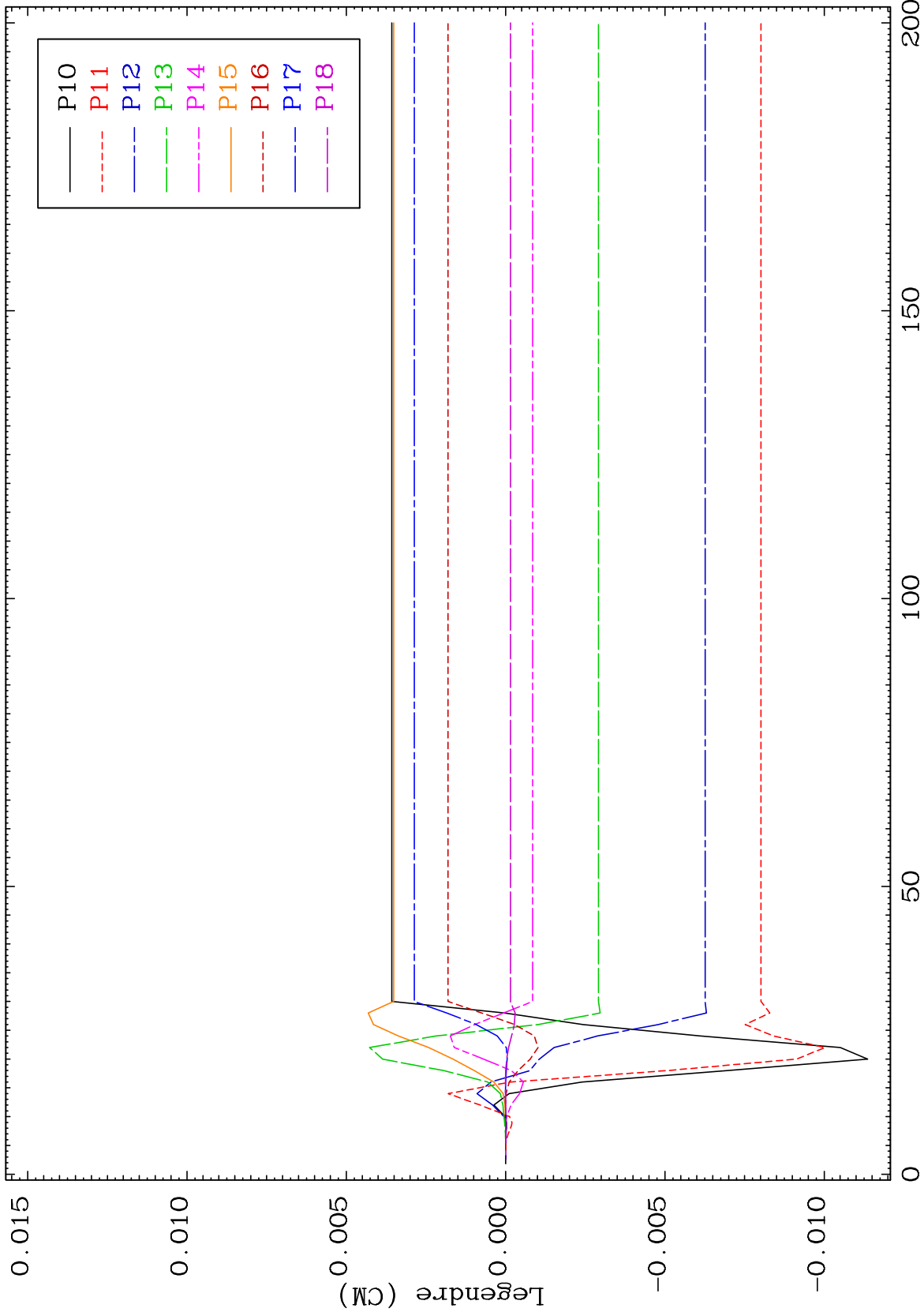
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

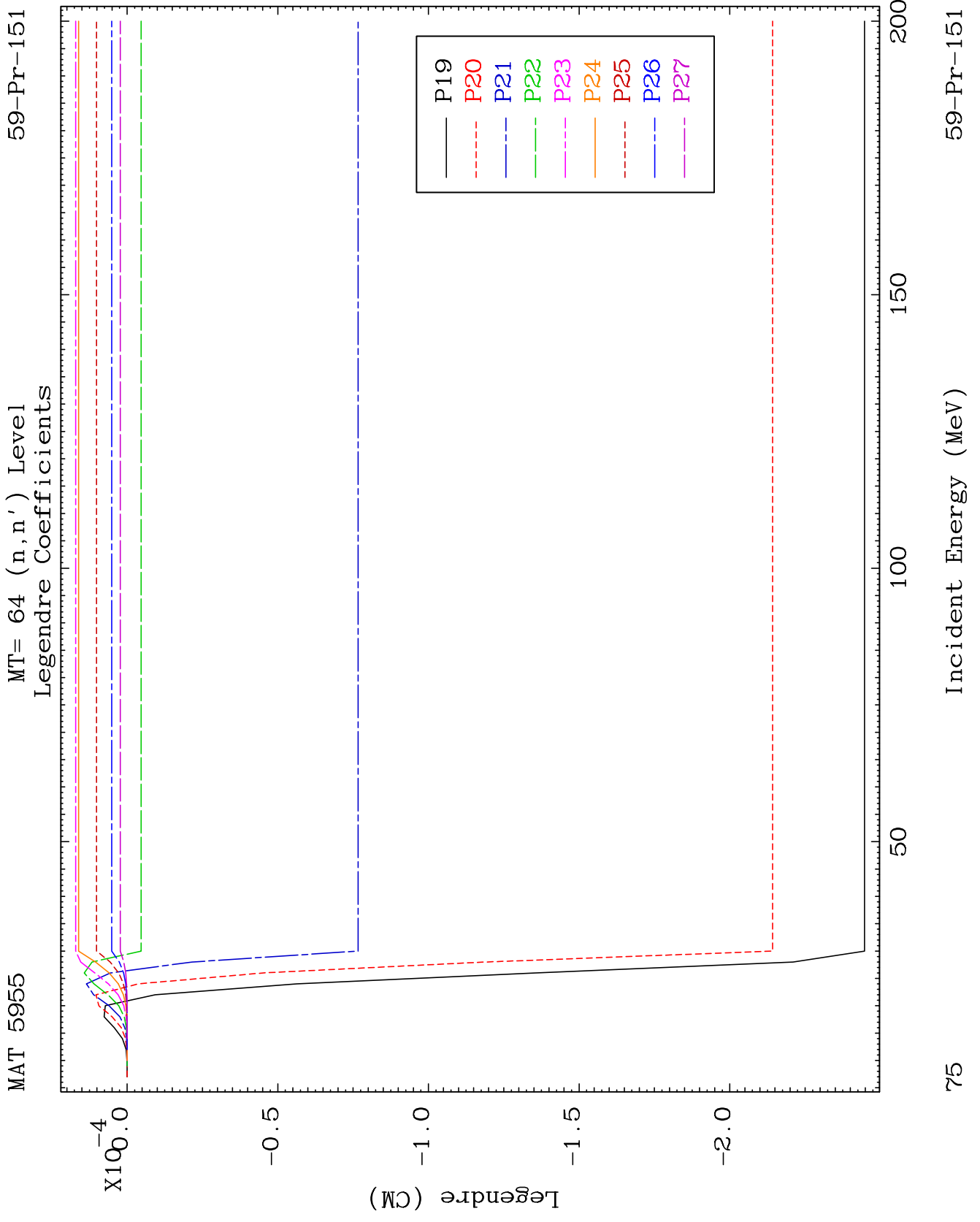
59-Pr-151



74

Incident Energy (MeV)

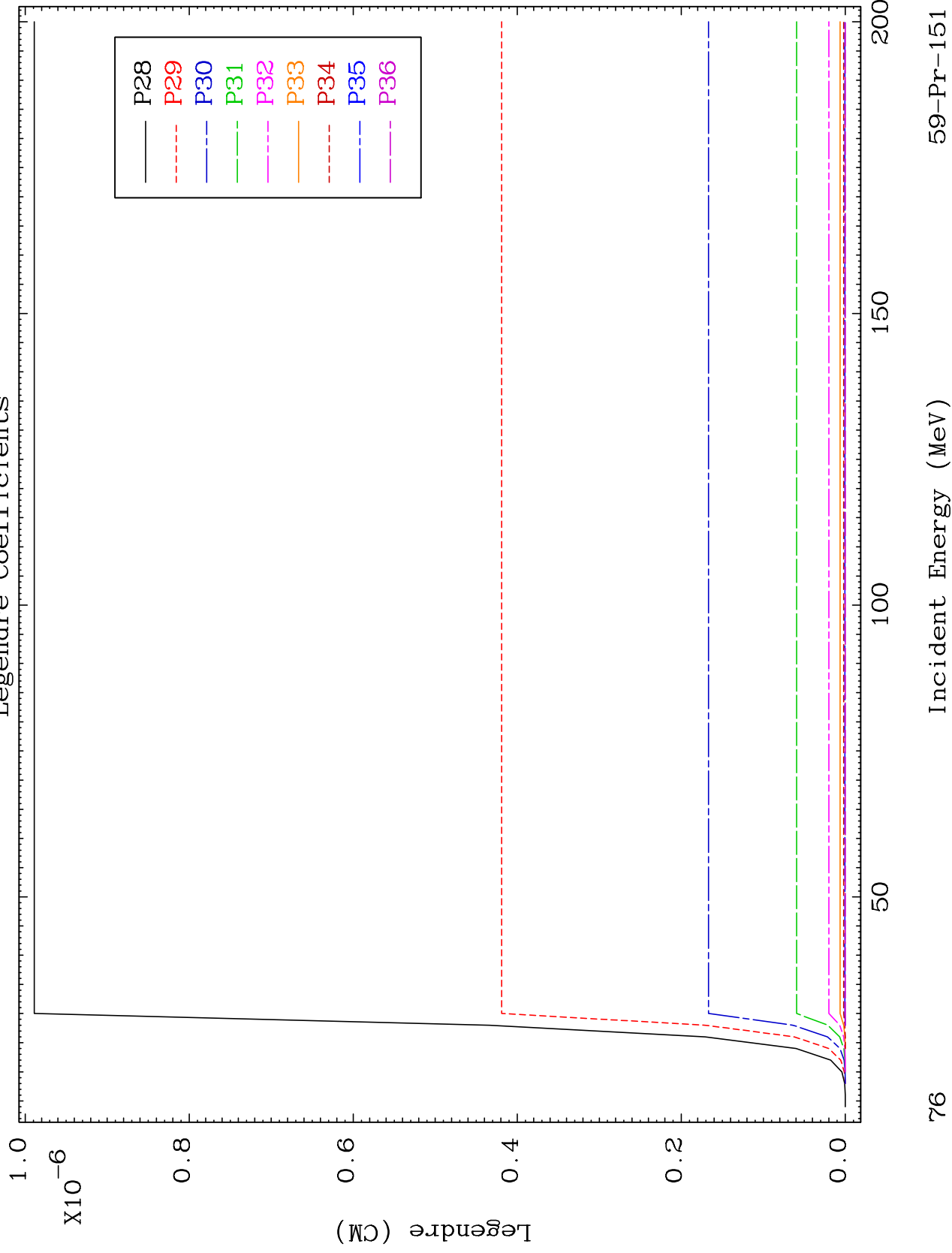
59-Pr-151



MAT 5955

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

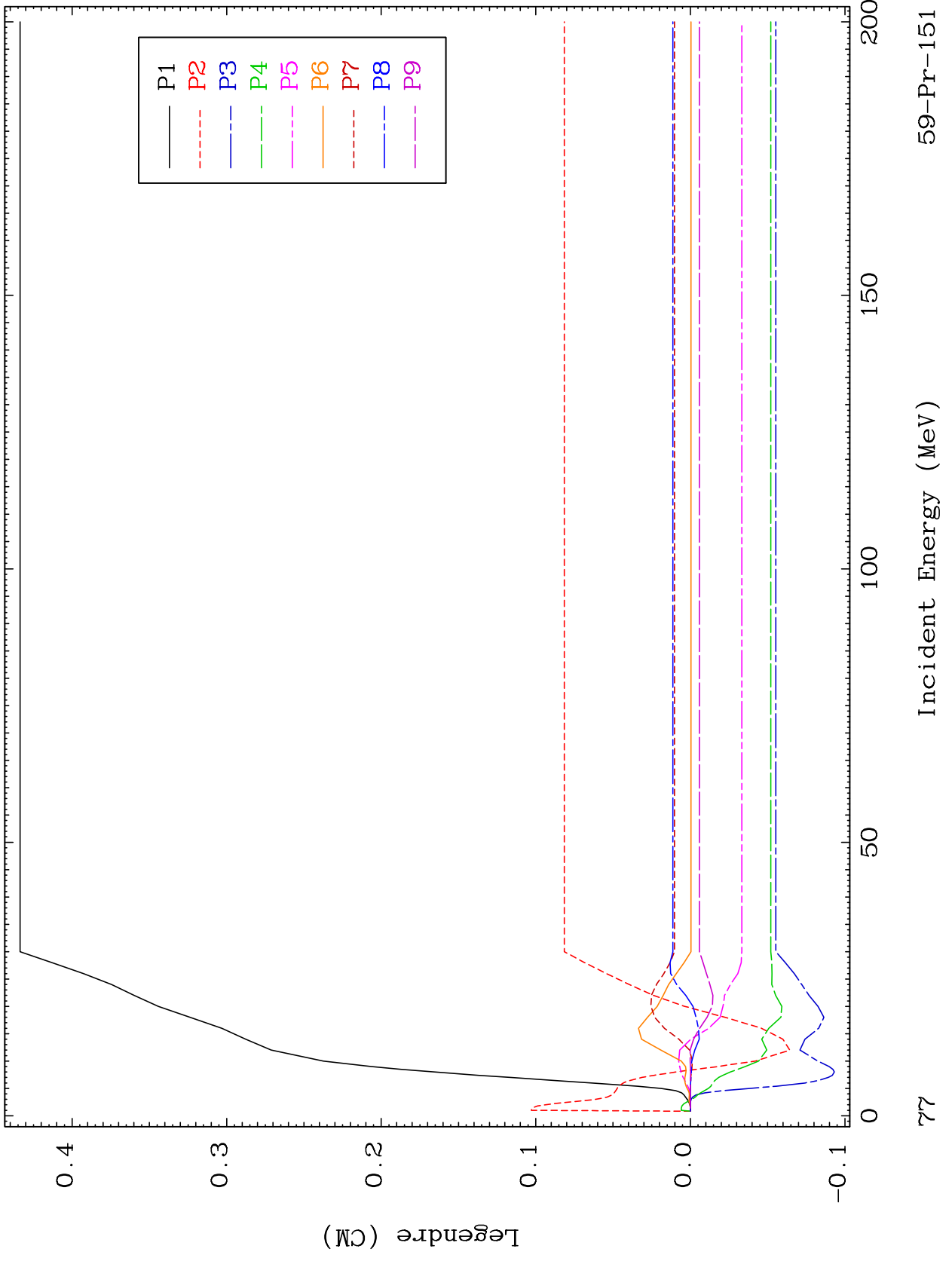
59-Pr-151



MAT 5955

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

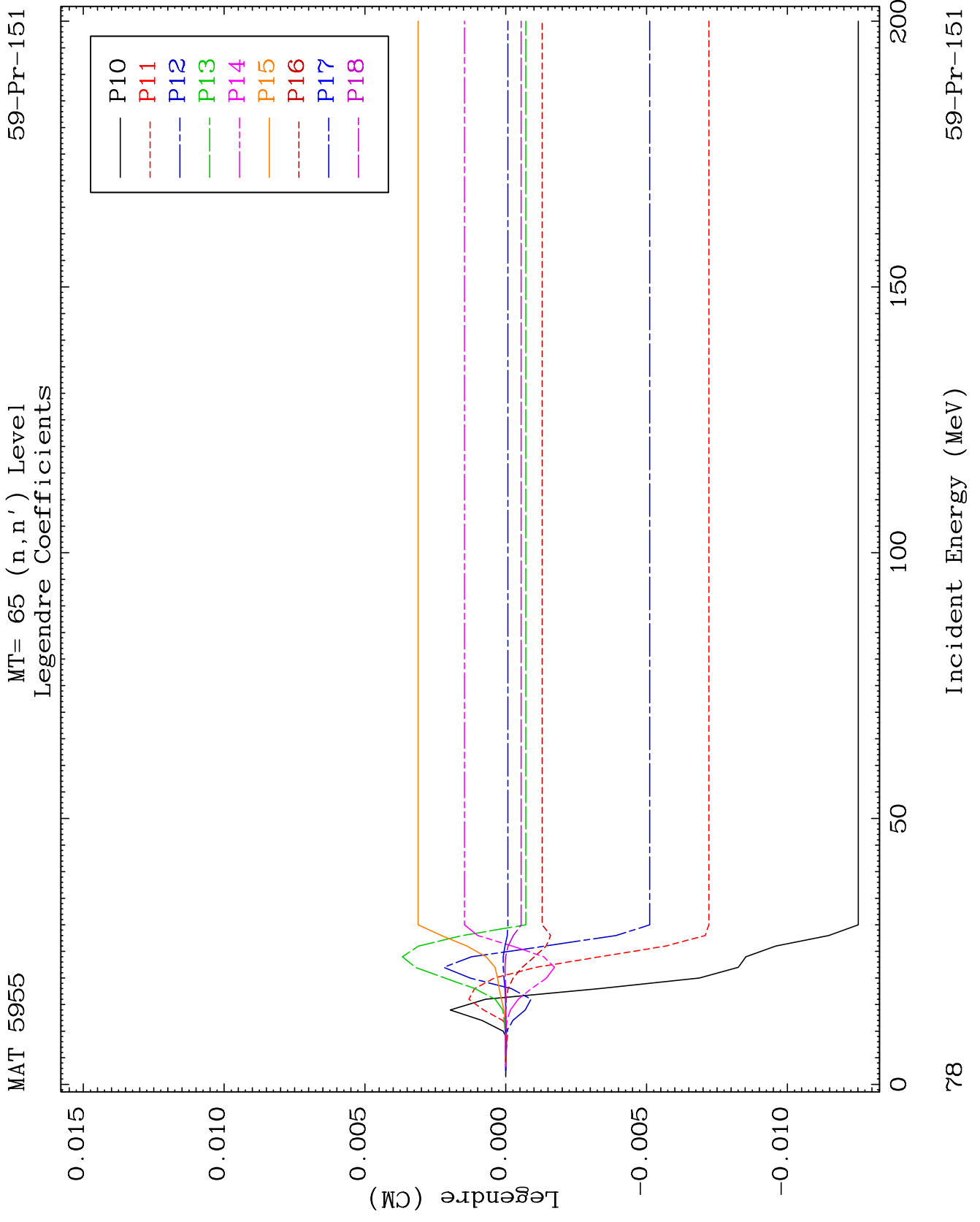
59-Pr-151

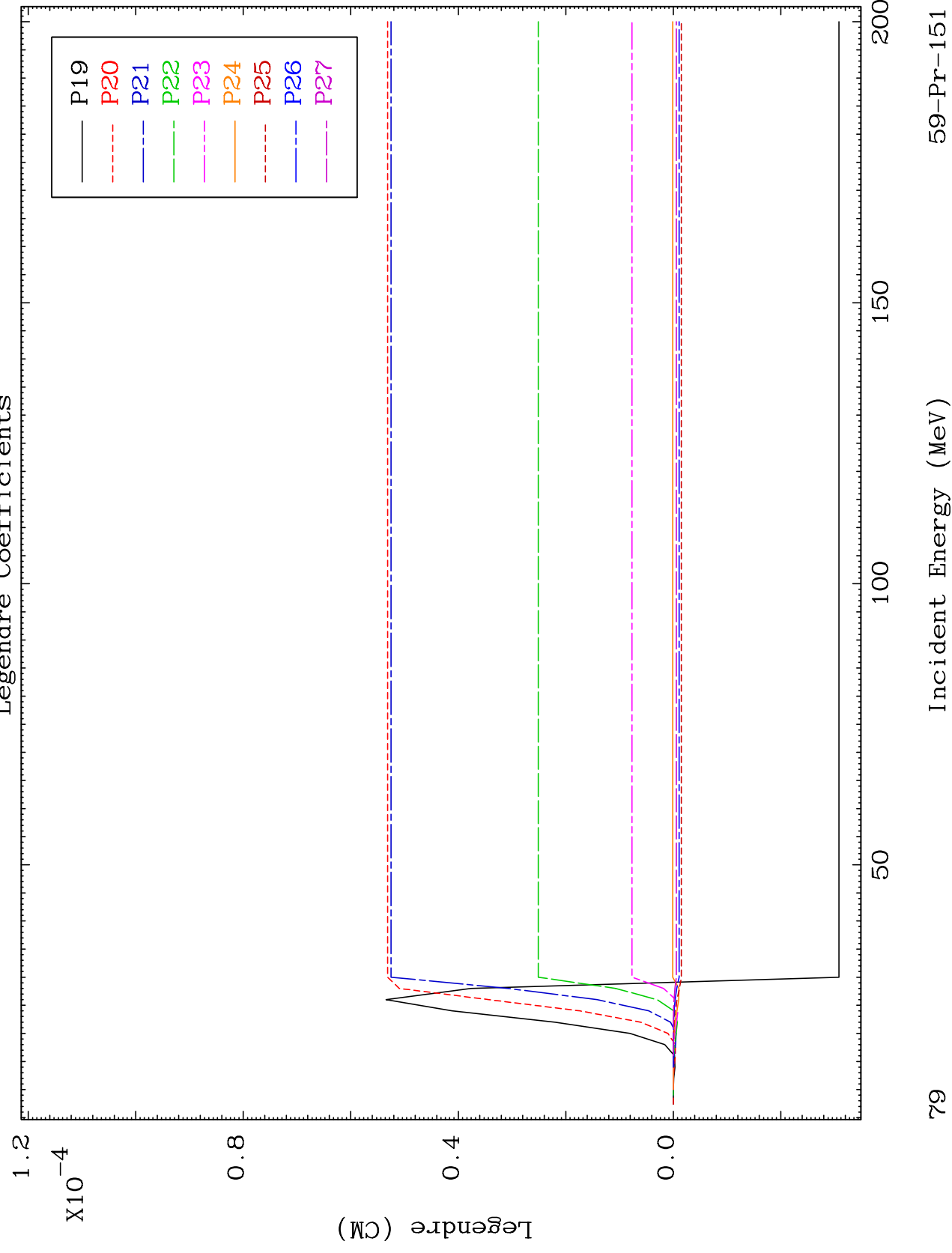


59-Pr-151

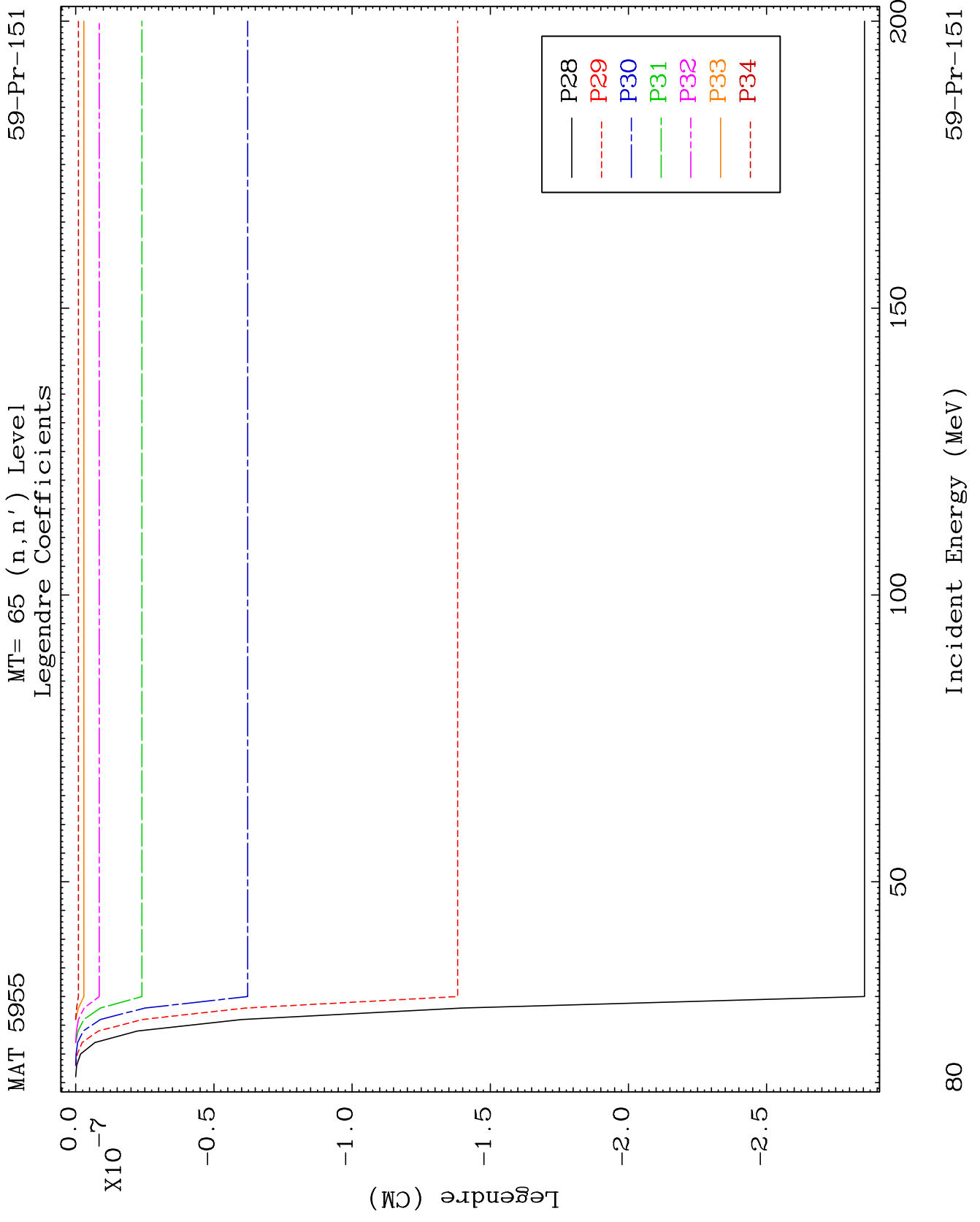
Incident Energy (MeV)

77





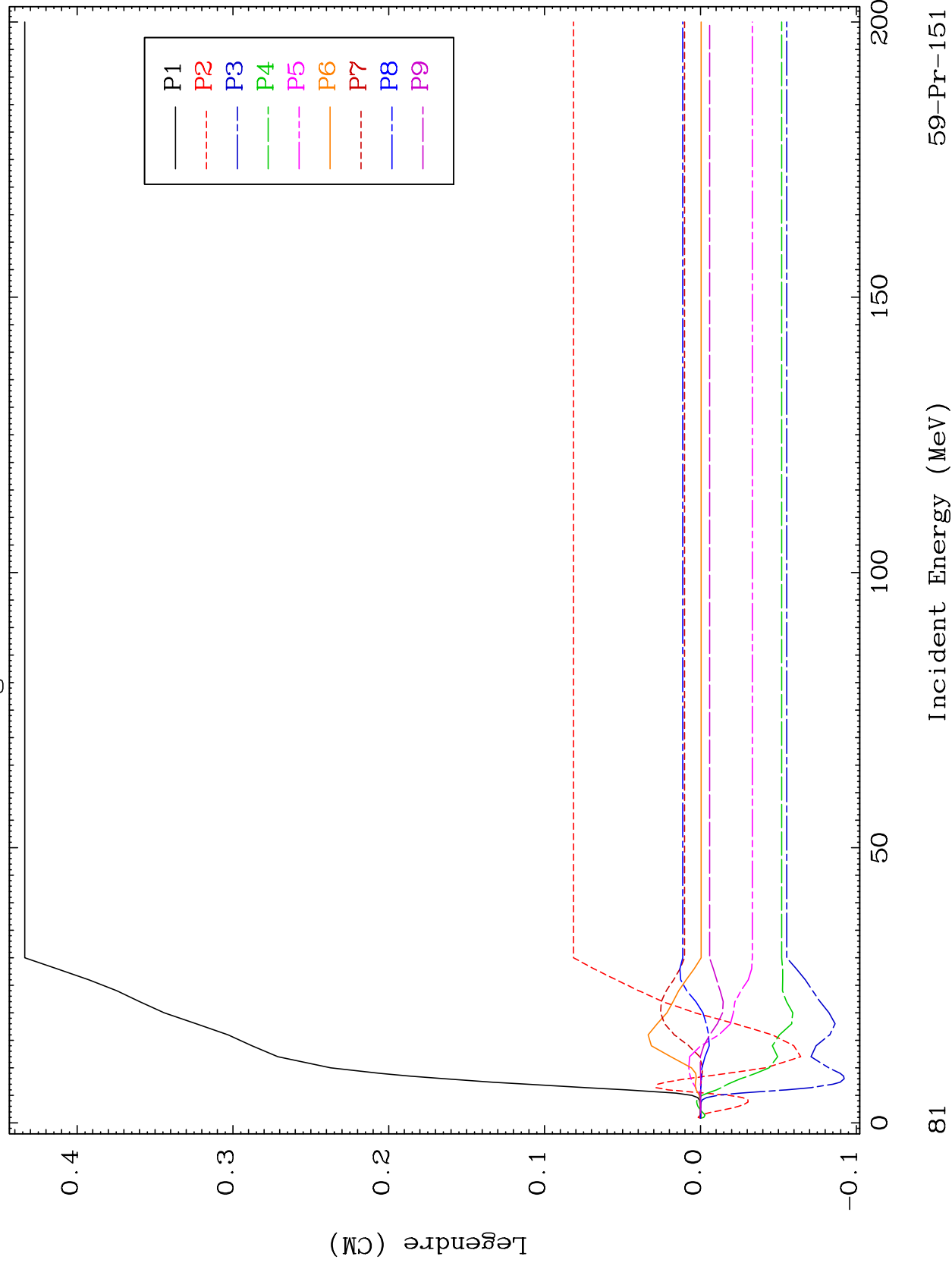




MAT 5955

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

59-Pr-151



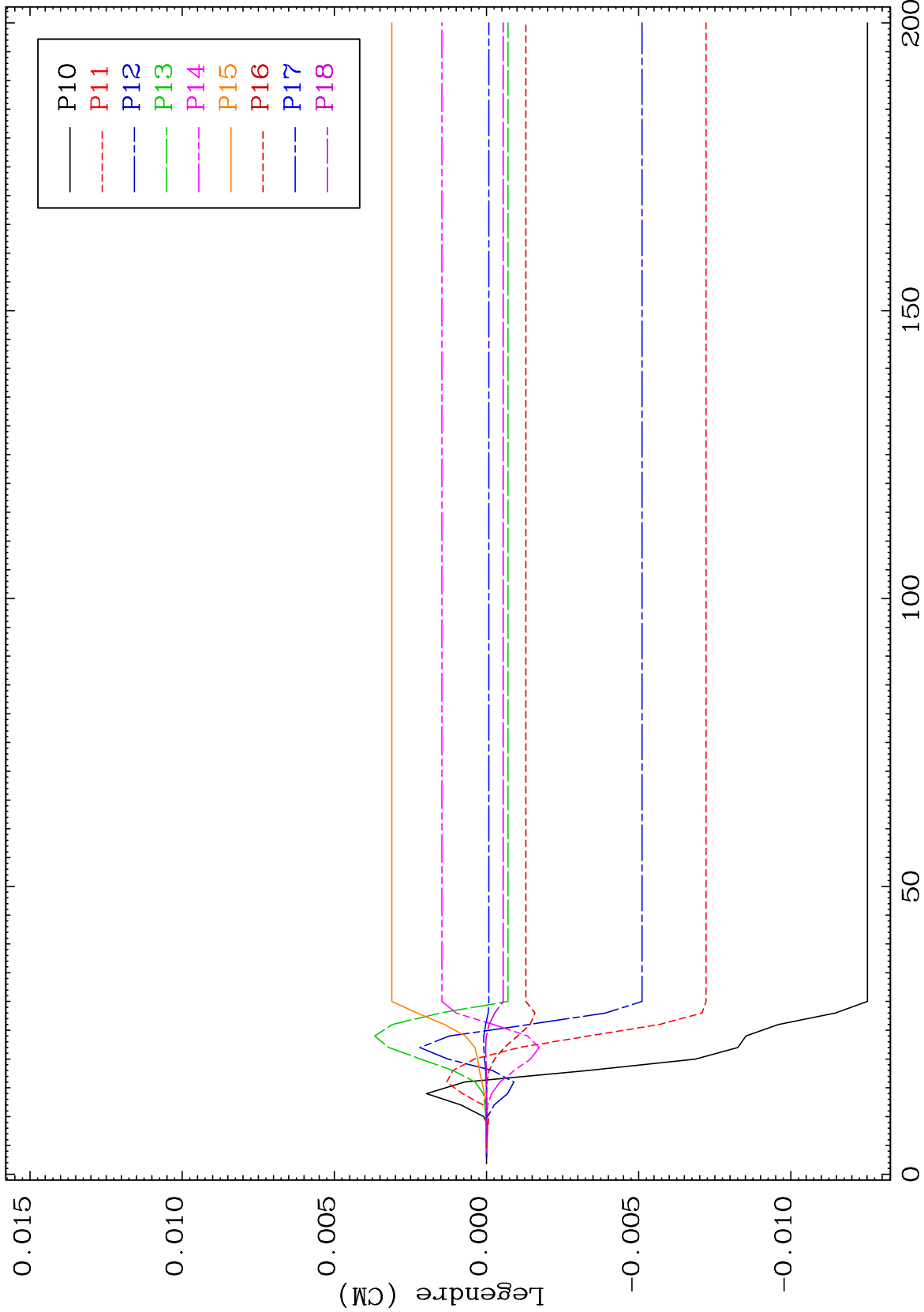
81

59-Pr-151

MAT 5955

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

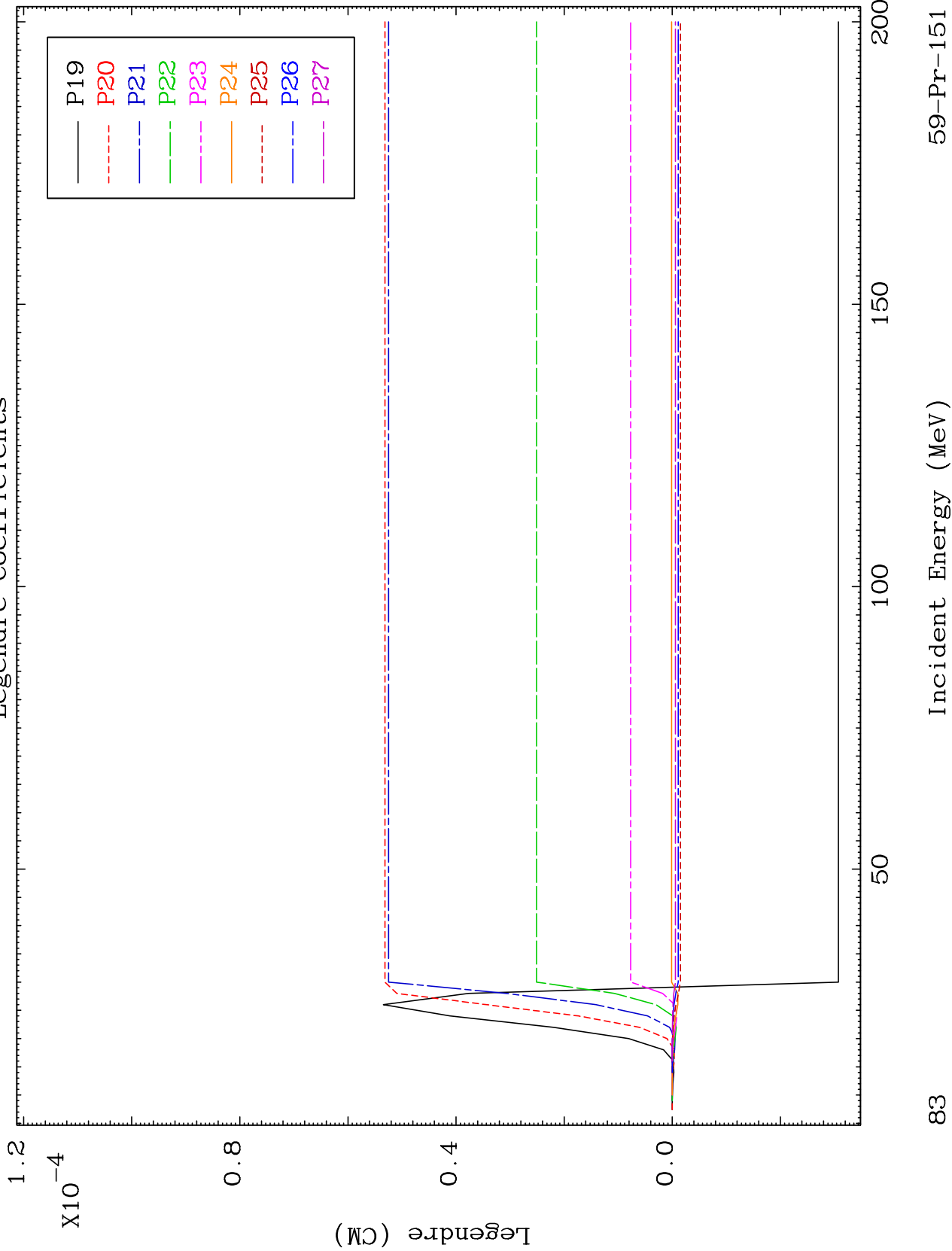
59-Pr-151

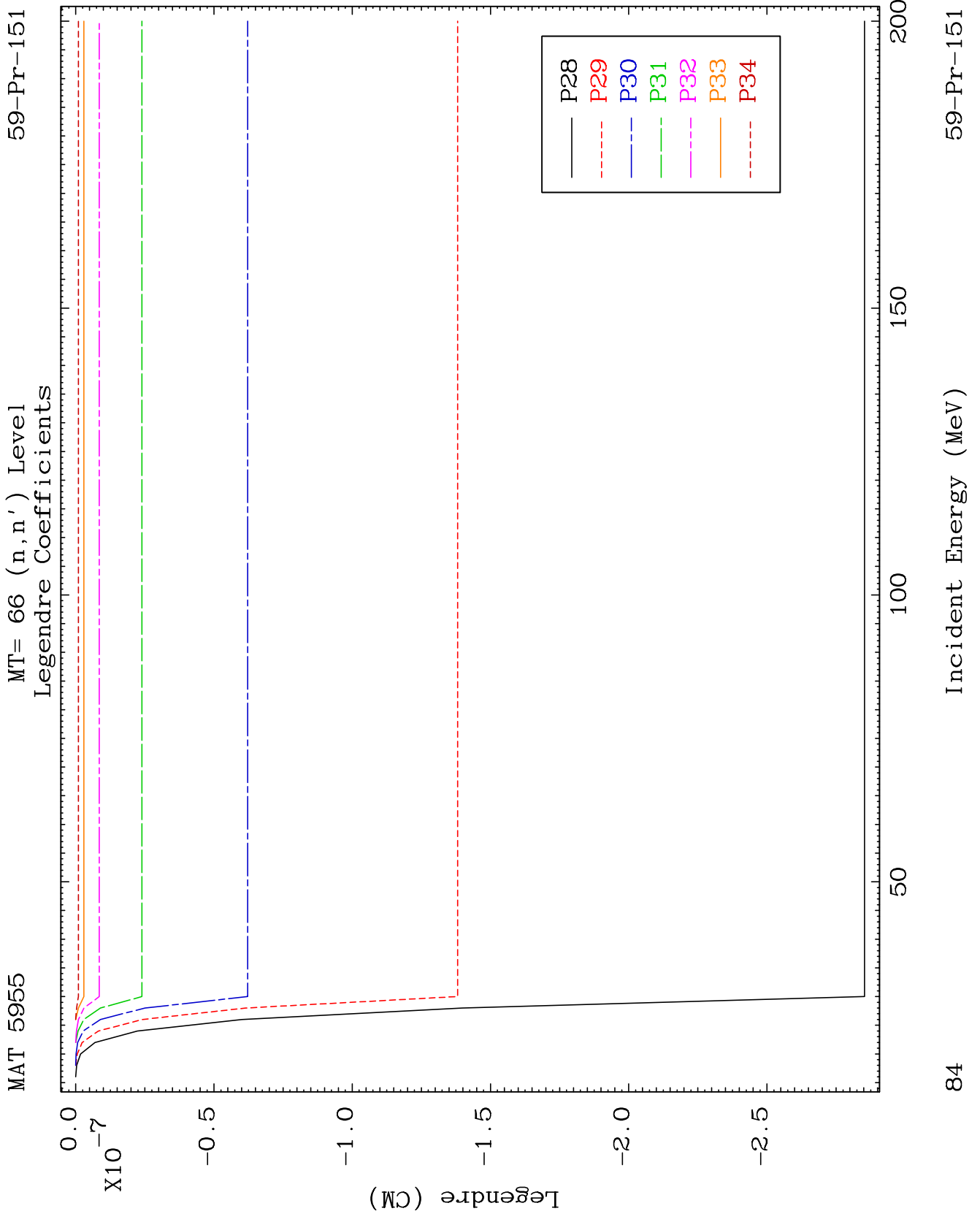


82

Incident Energy (MeV)

59-Pr-151

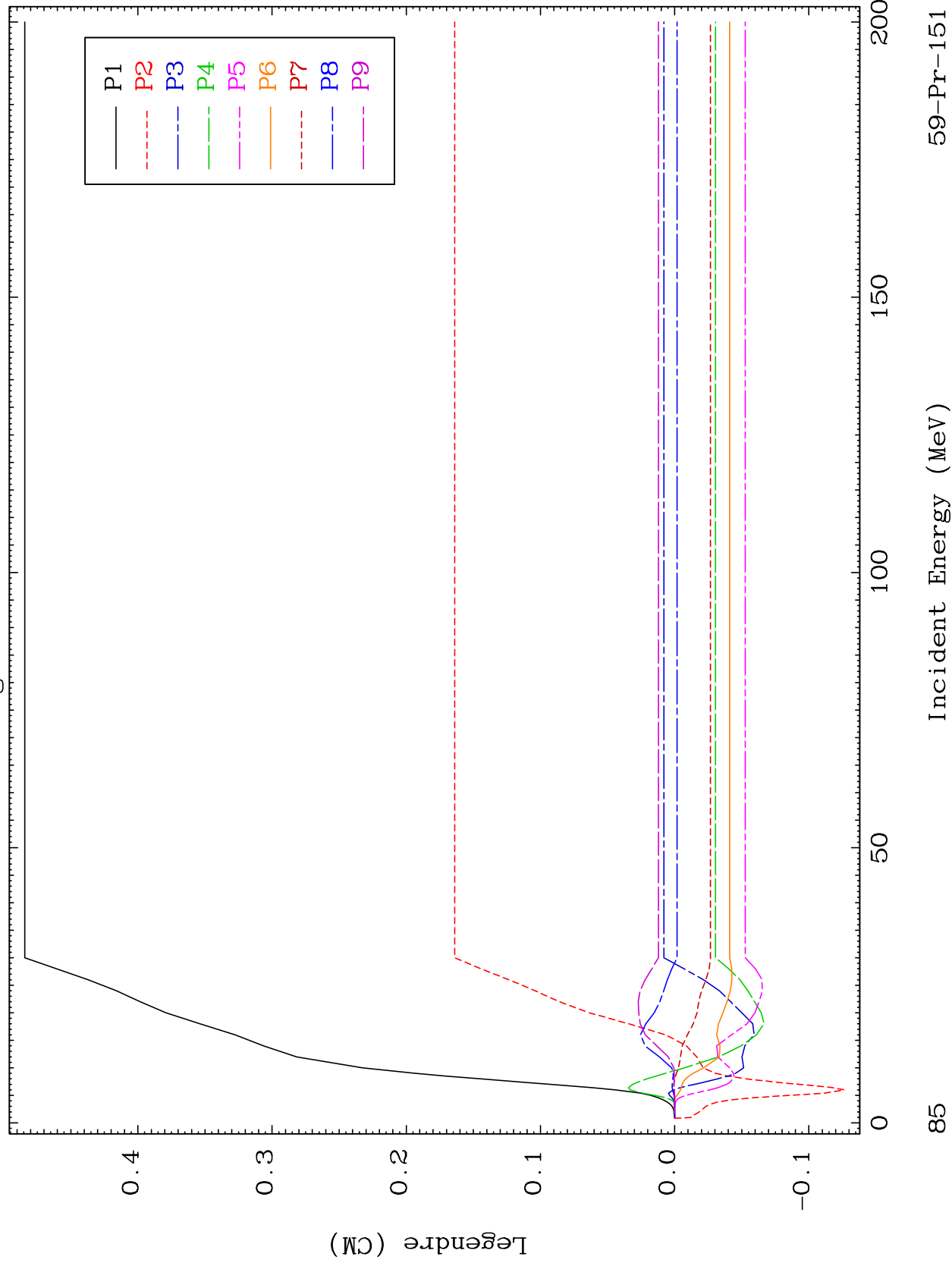




MAT 5955

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

59-Pr-151



59-Pr-151

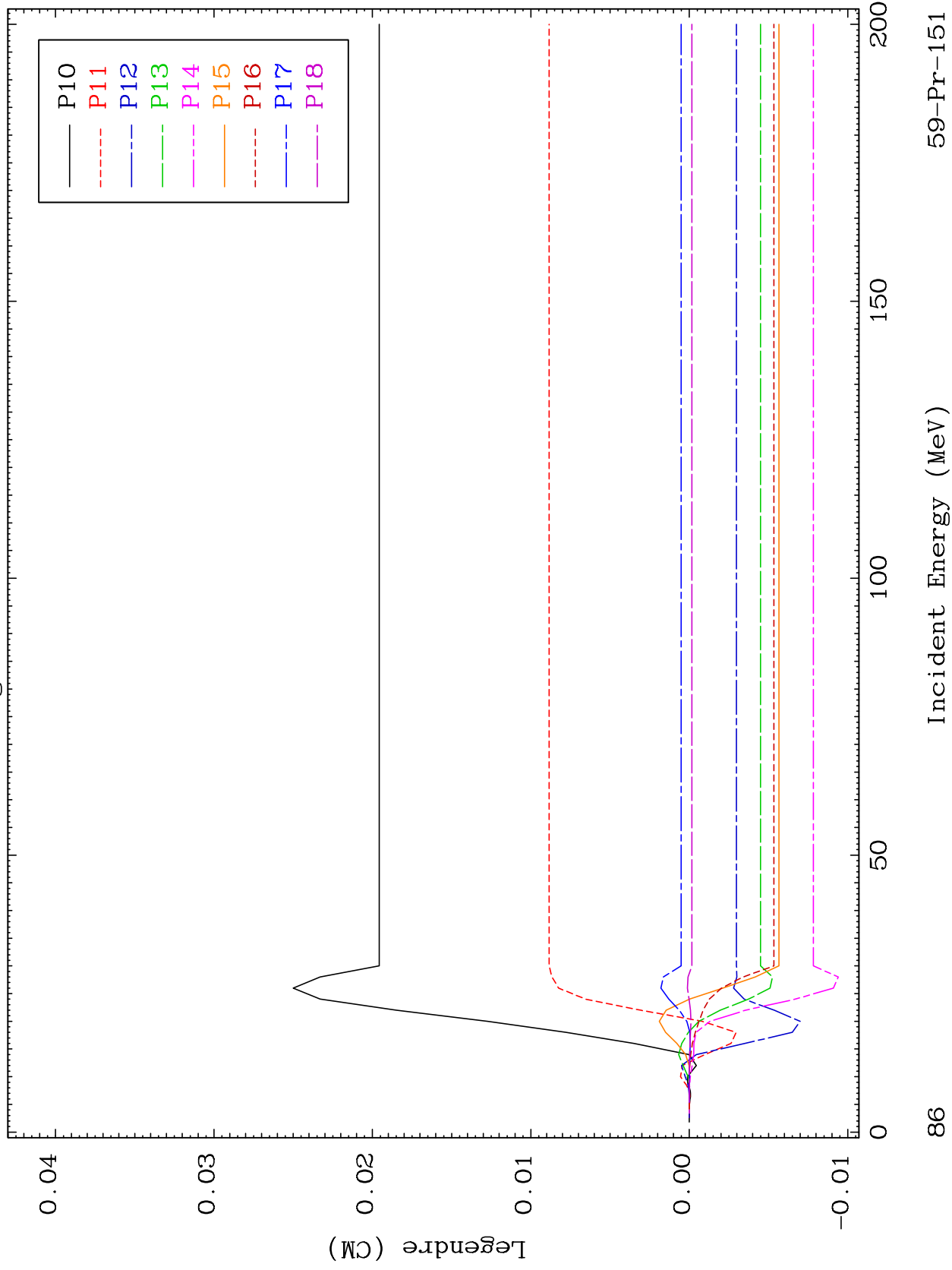
Incident Energy (MeV)

85

MAT 5955

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

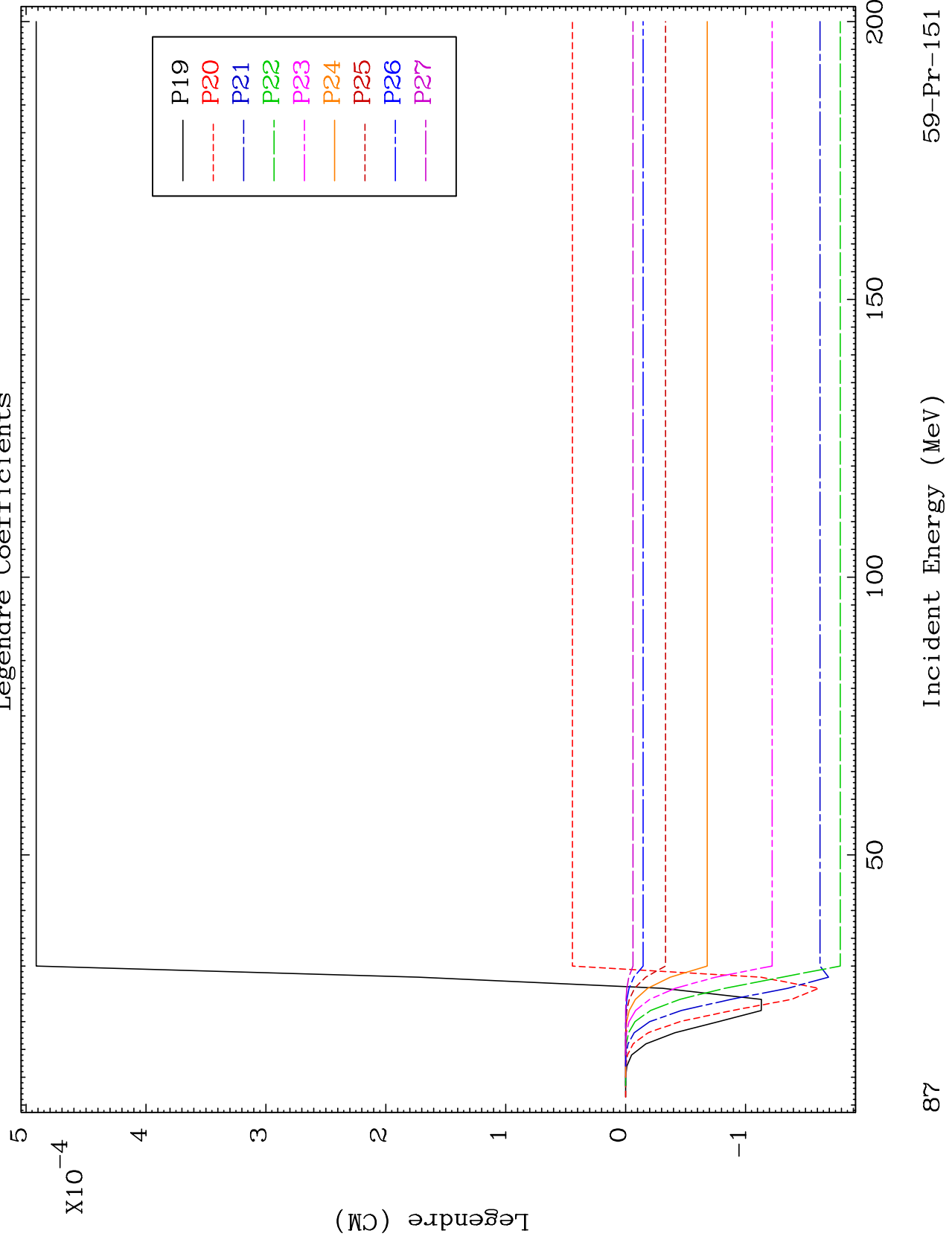
59-Pr-151



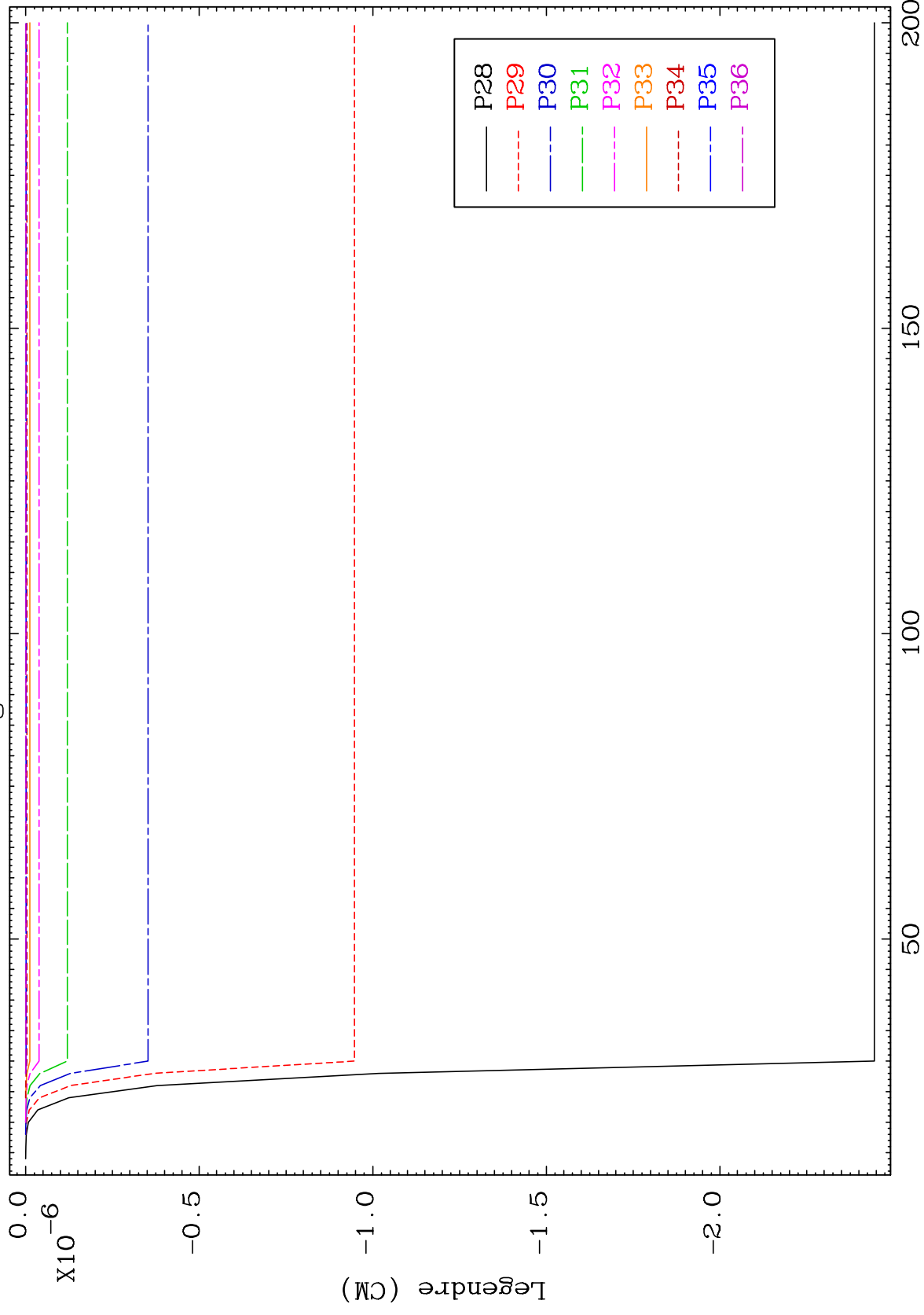
59-Pr-151

Incident Energy (MeV)

86





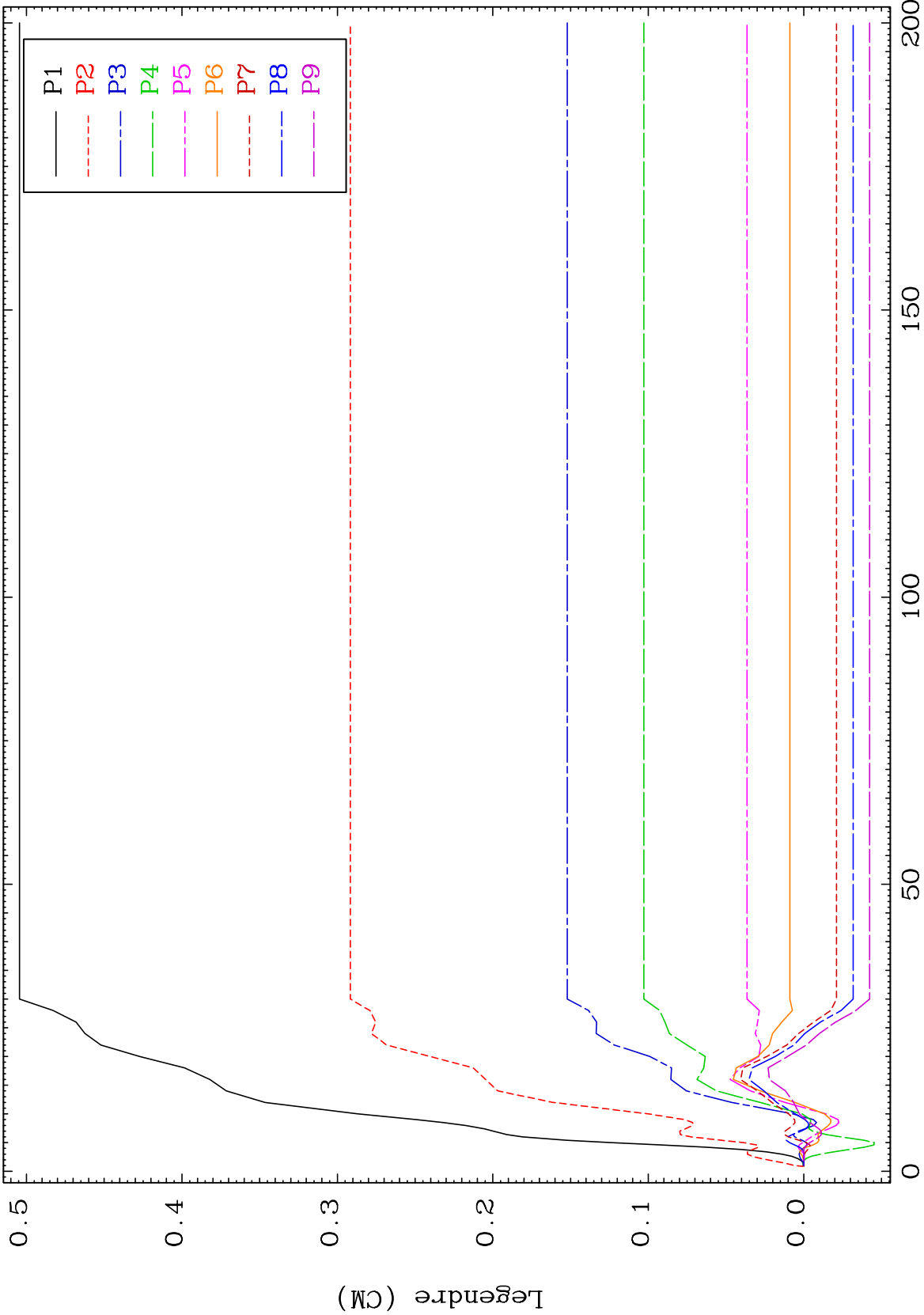


MAT 5955

MT= 68 (n,n') Level

59-Pr-151

Legendre Coefficients



89

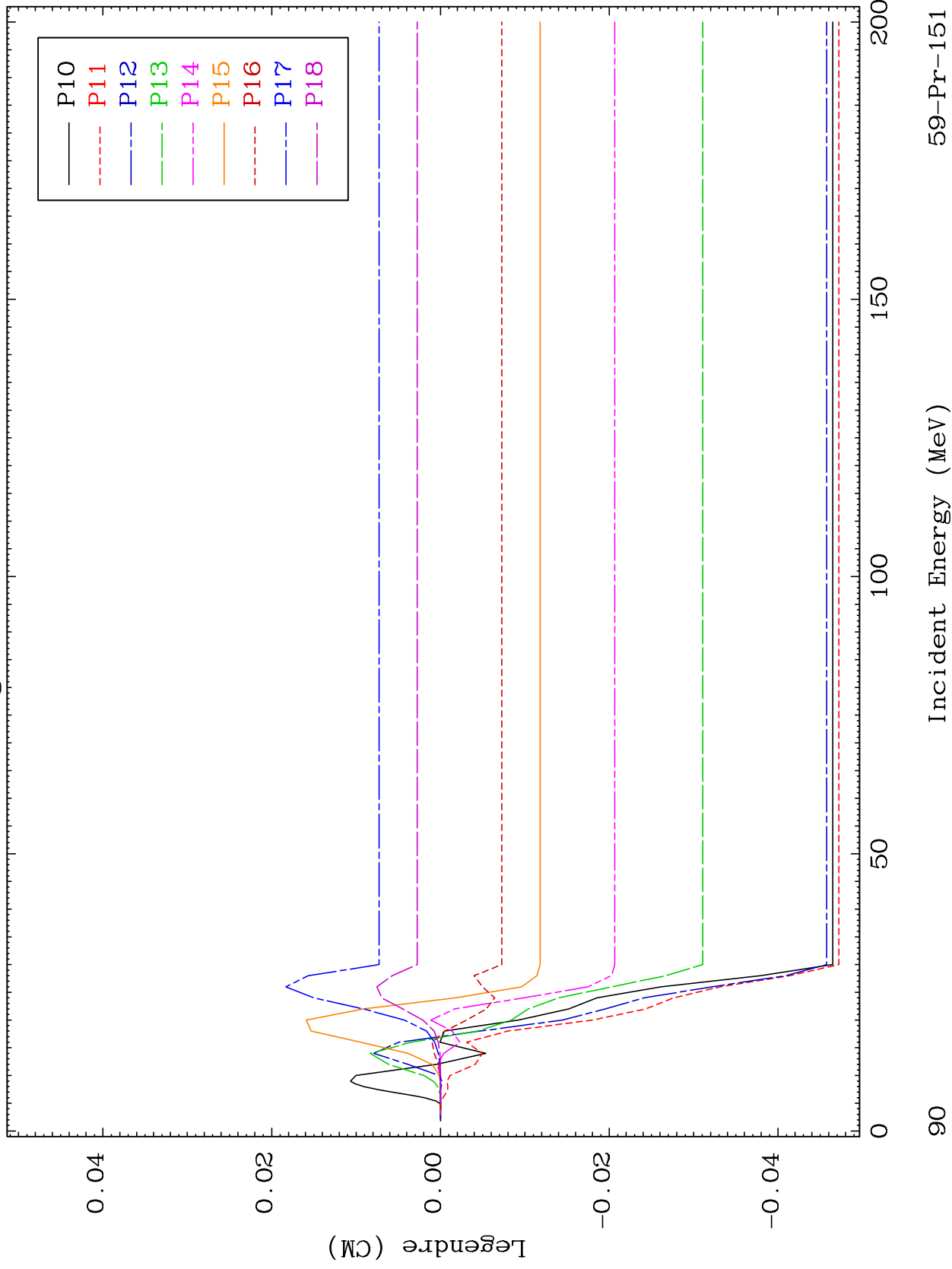
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



59-Pr-151

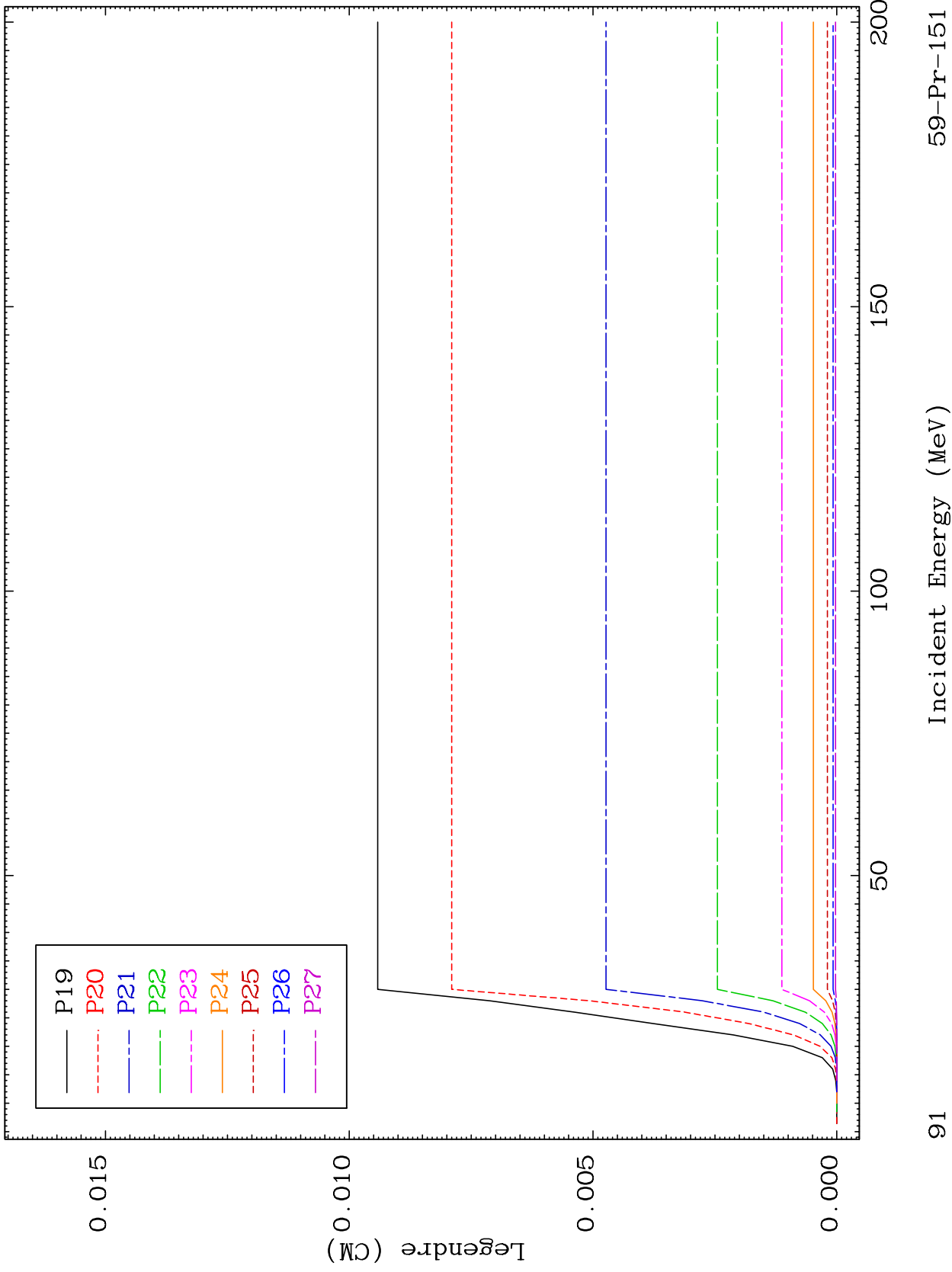
Incident Energy (MeV)

90

MAT 5955

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

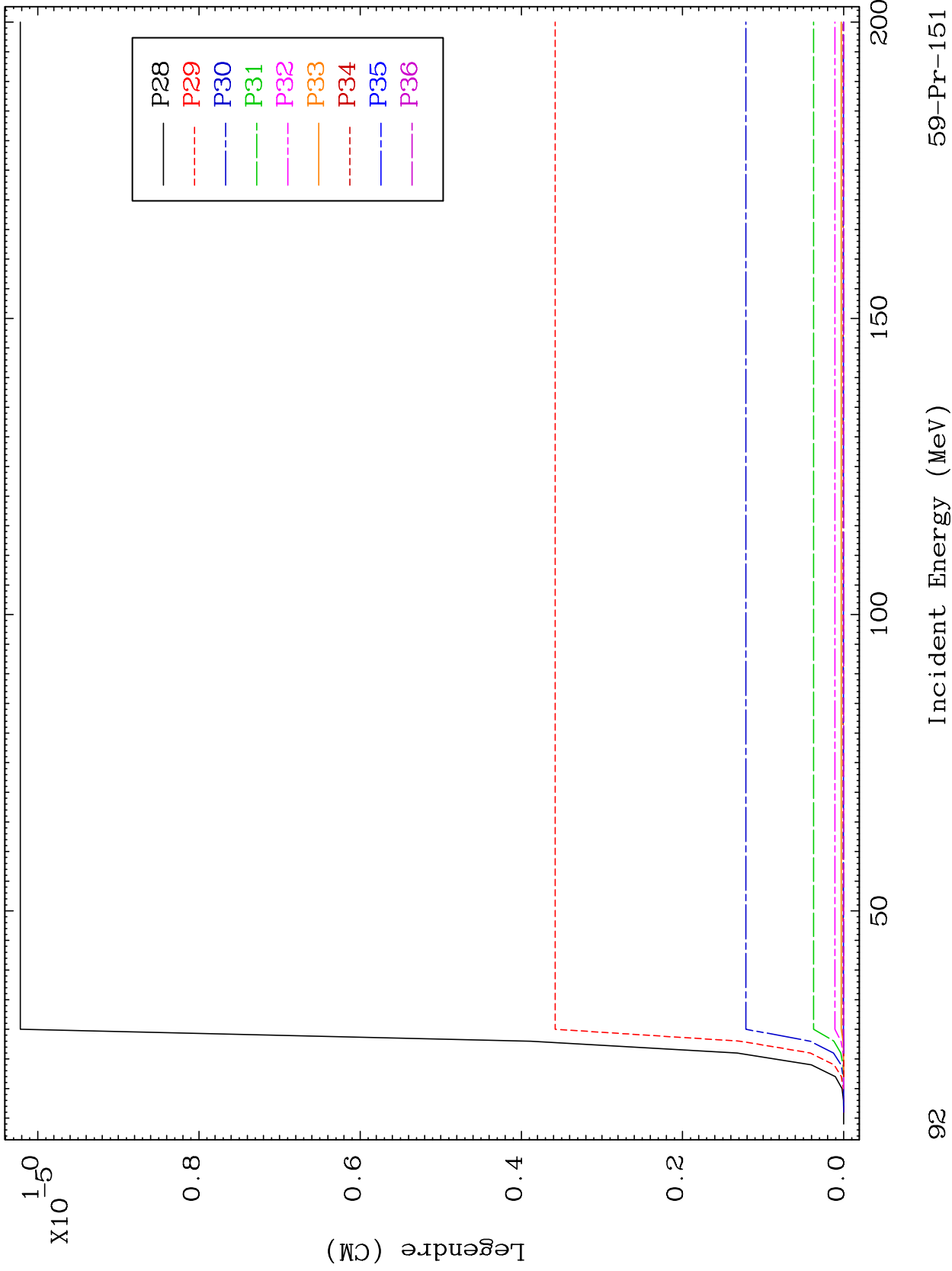
59-Pr-151



MAT 5955

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

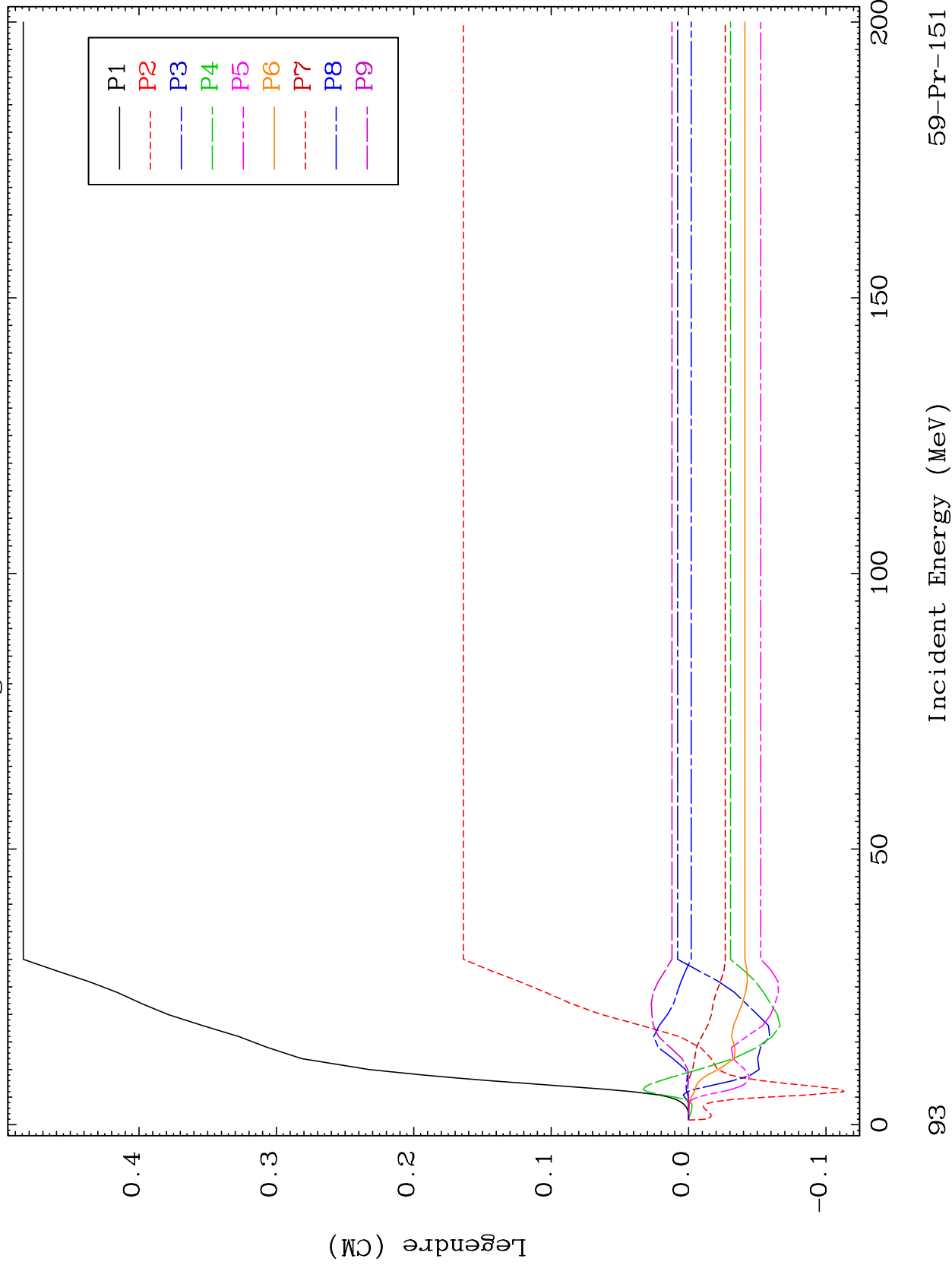
59-Pr-151



MAT 5955

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

59-Pr-151



93

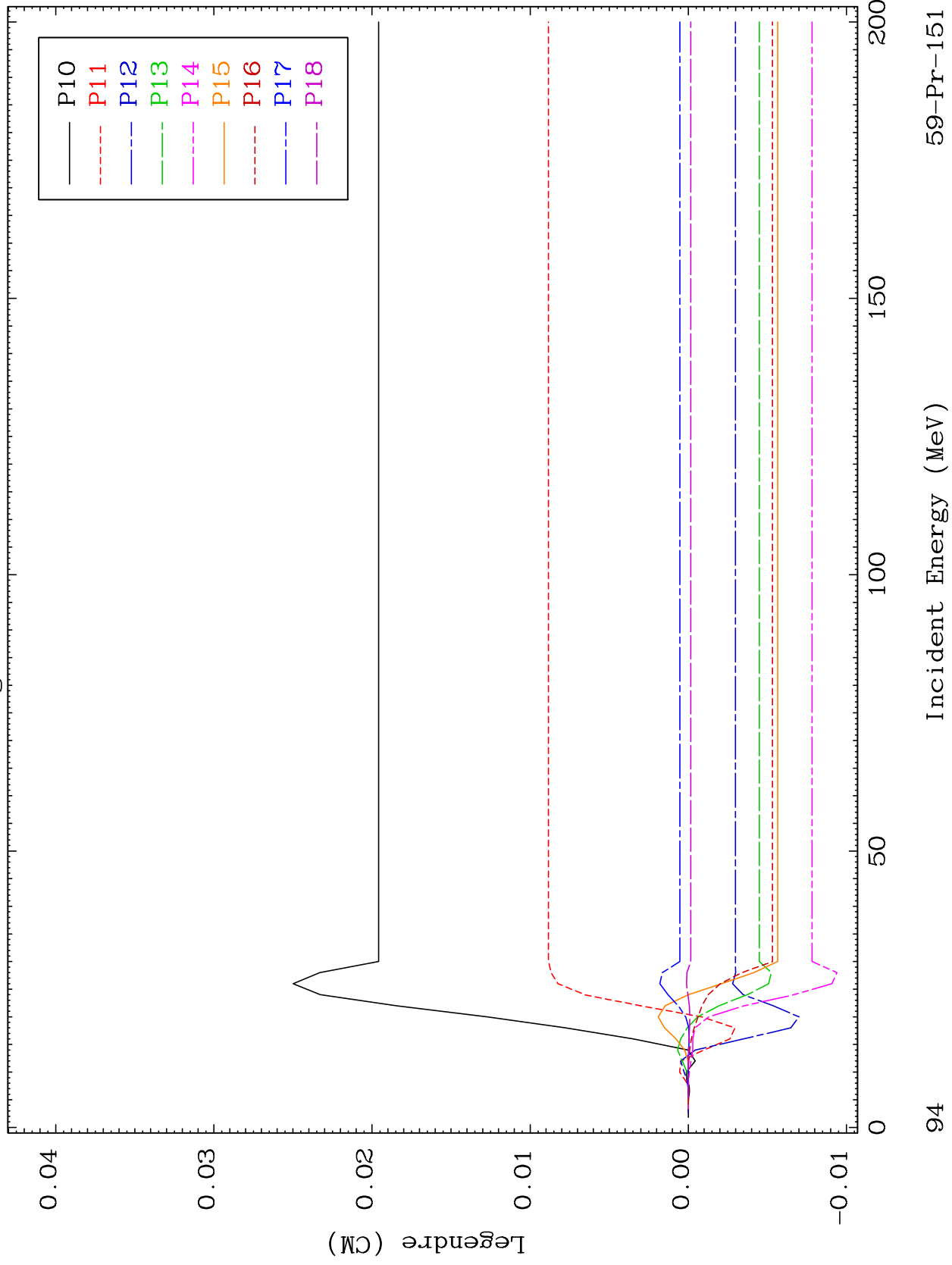
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



94

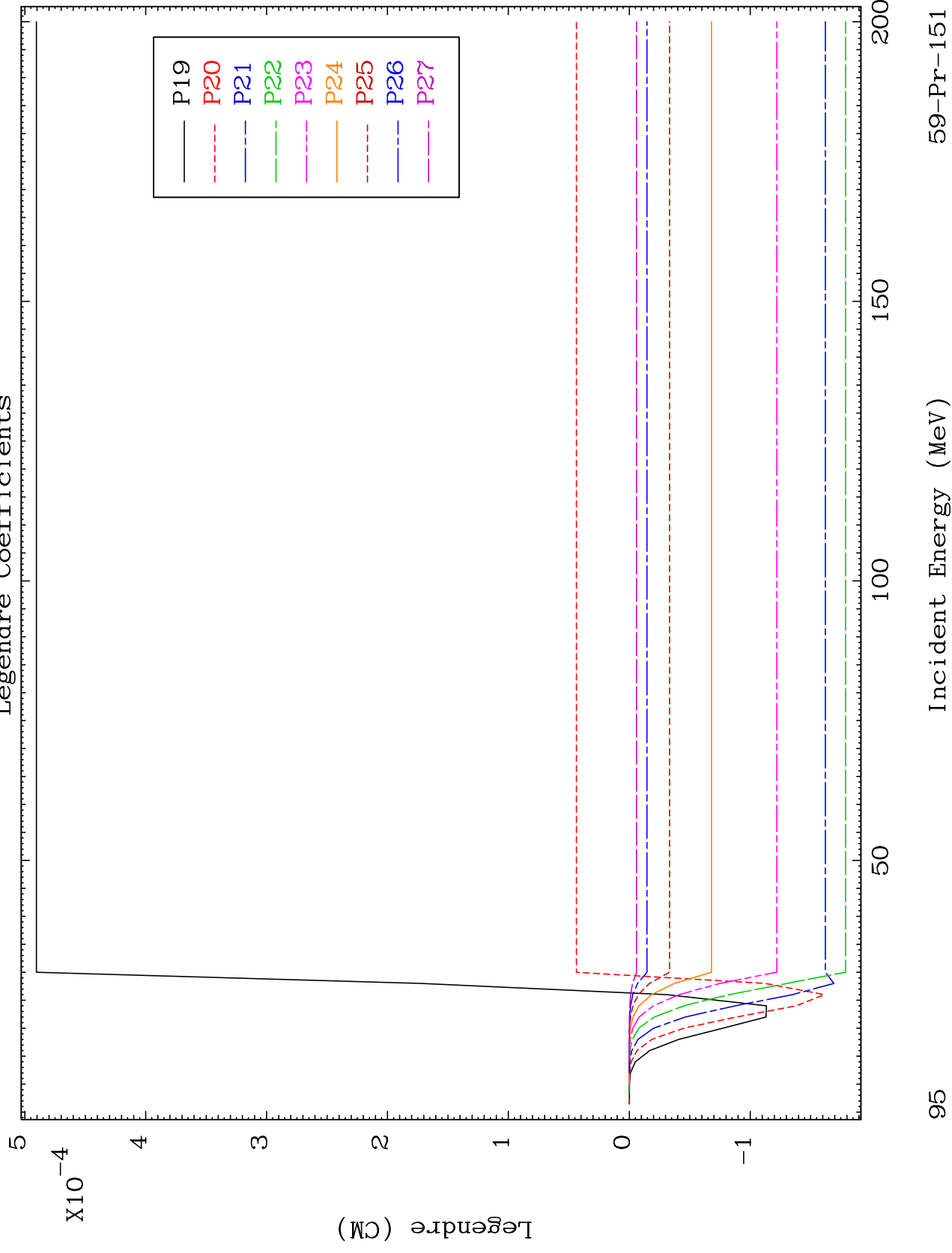
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

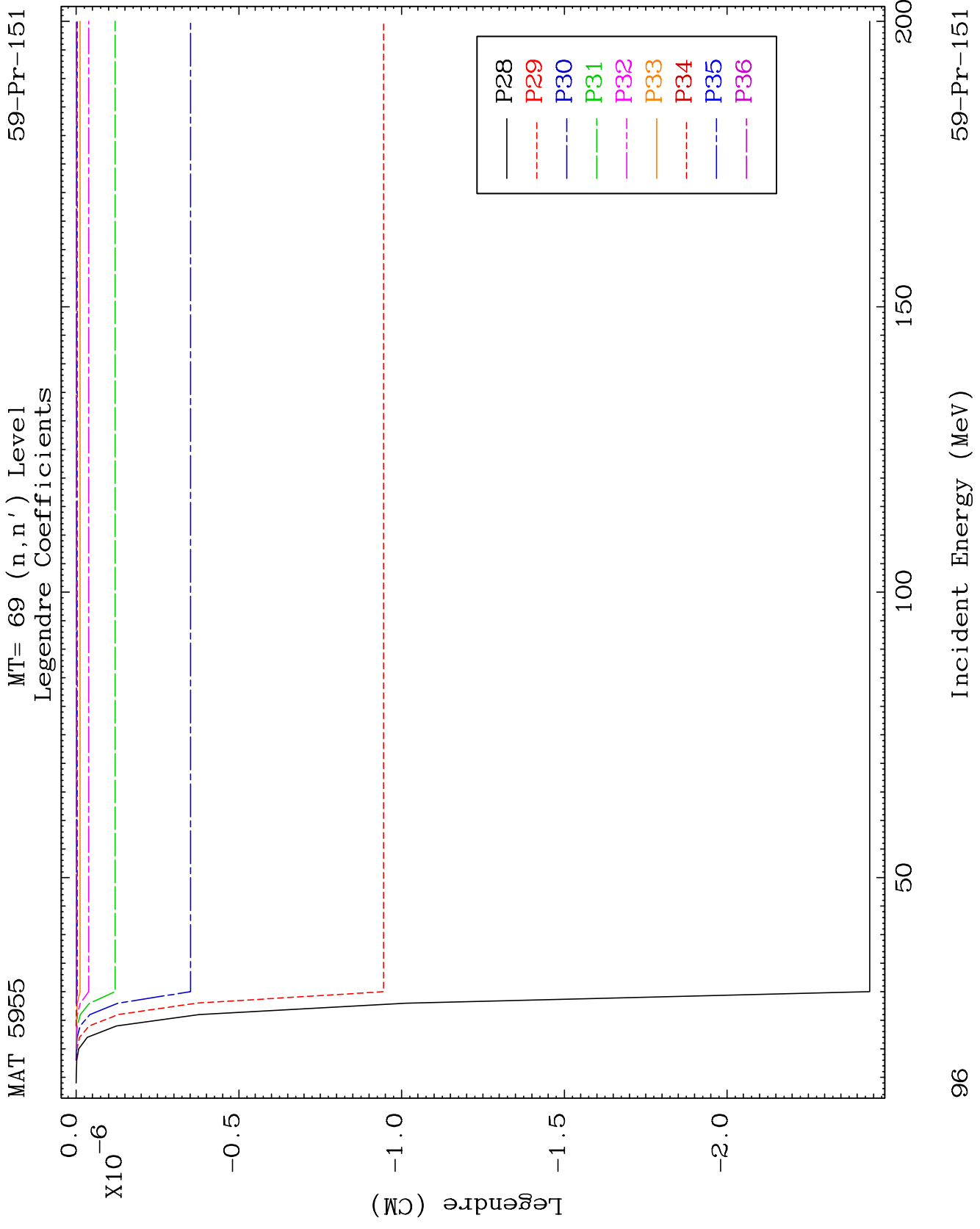
59-Pr-151



95

200

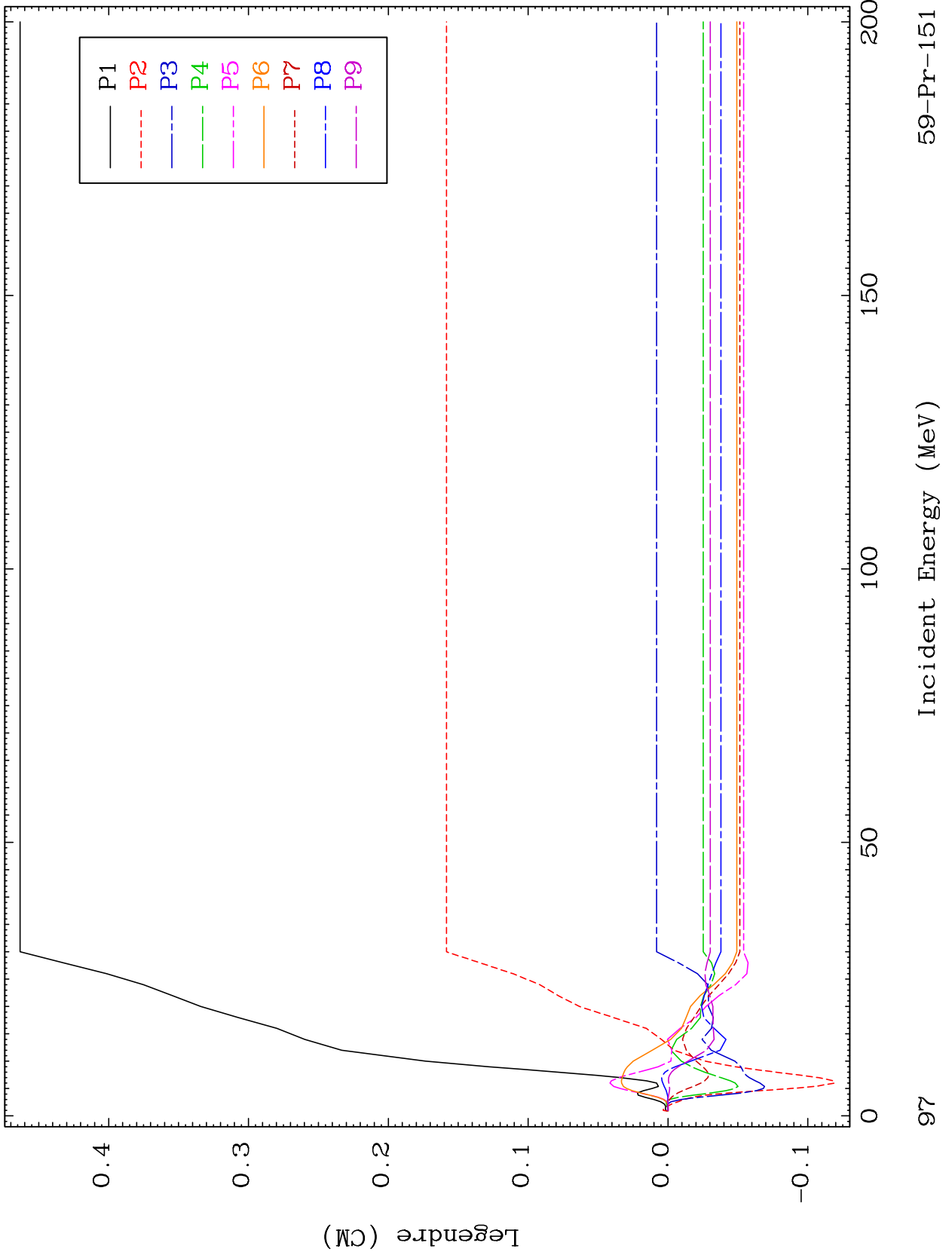




MAT 5955

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

59-Pr-151



97

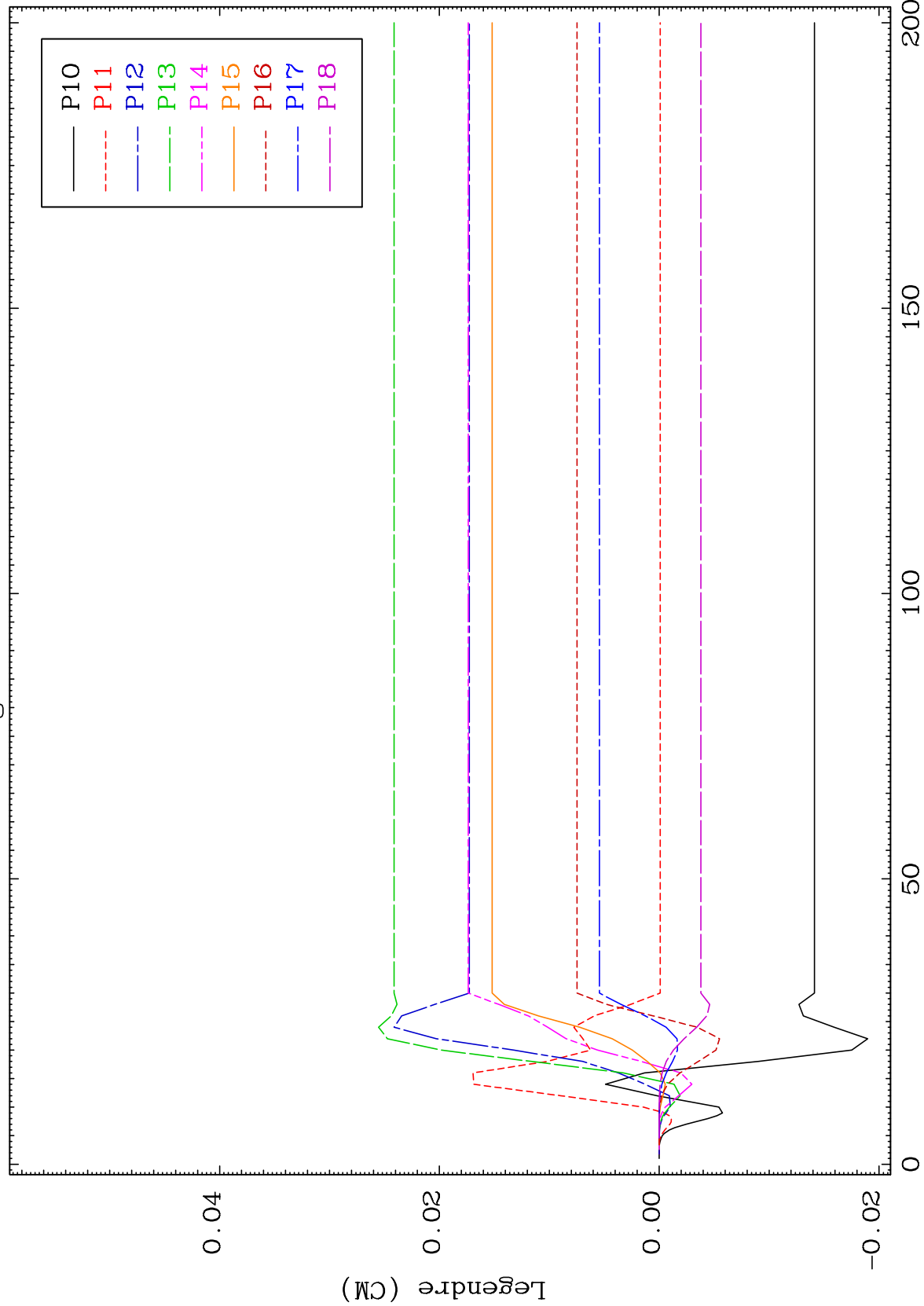
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



98

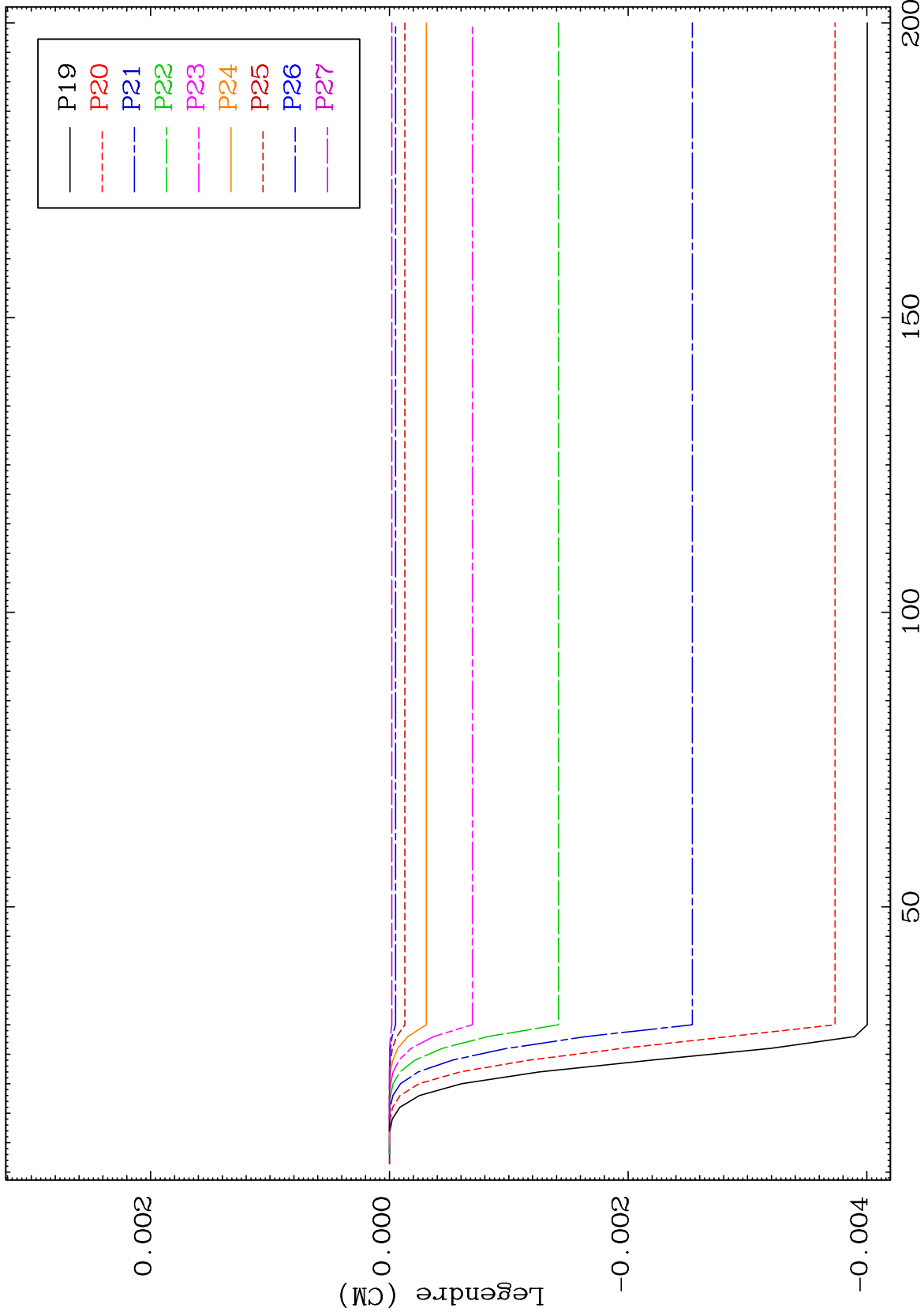
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

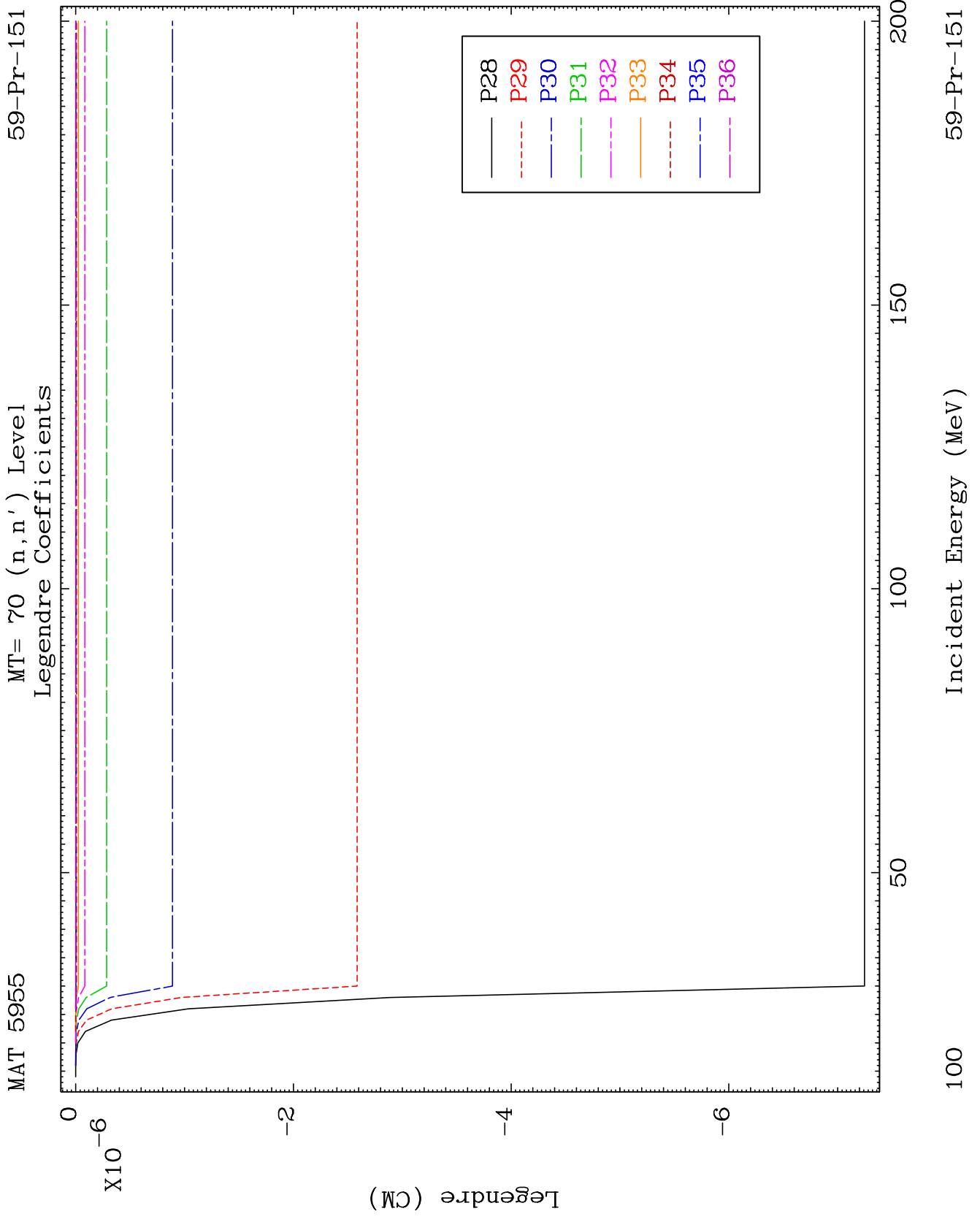
59-Pr-151



99

Incident Energy (MeV)

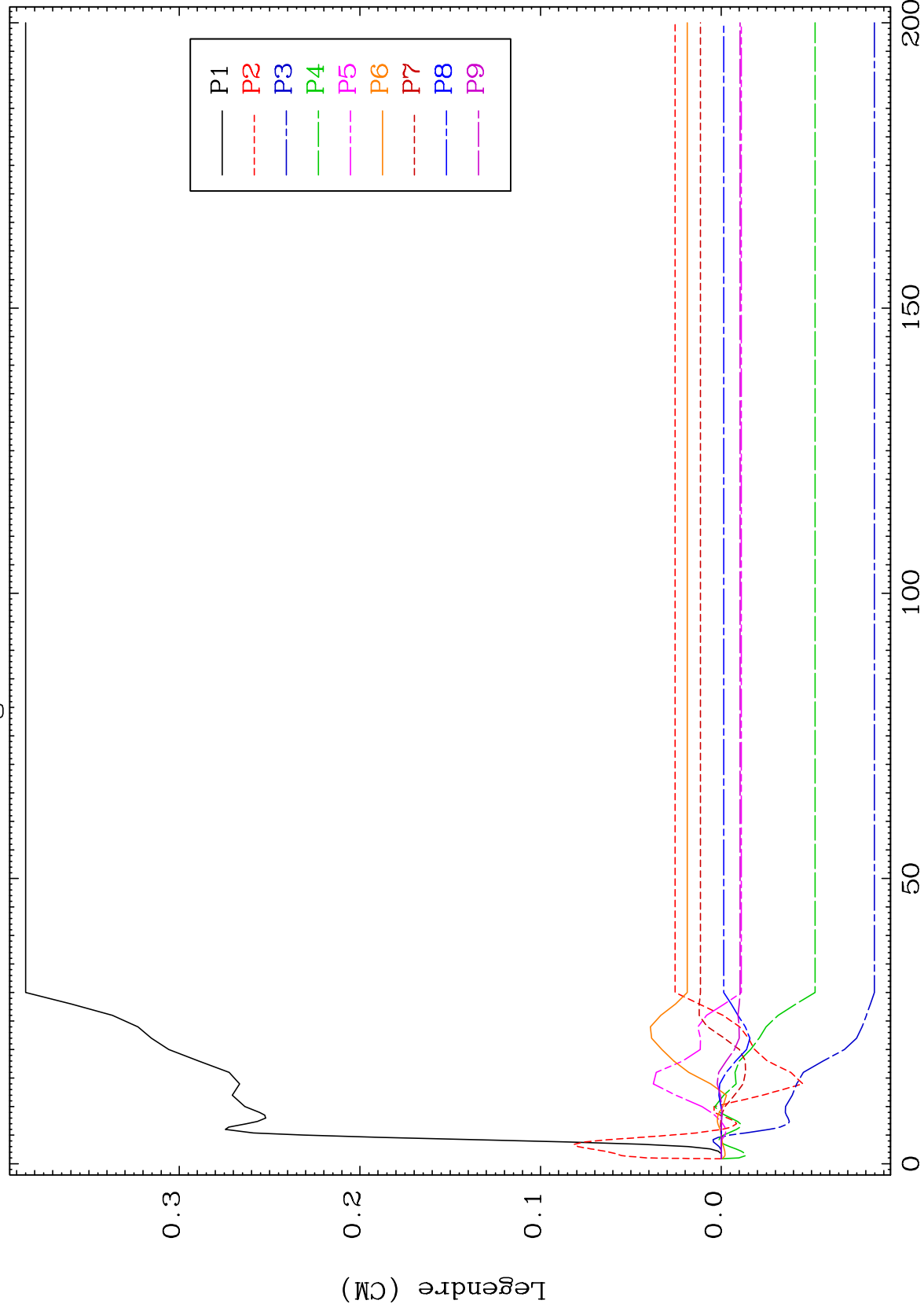
59-Pr-151



MAT 5955

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

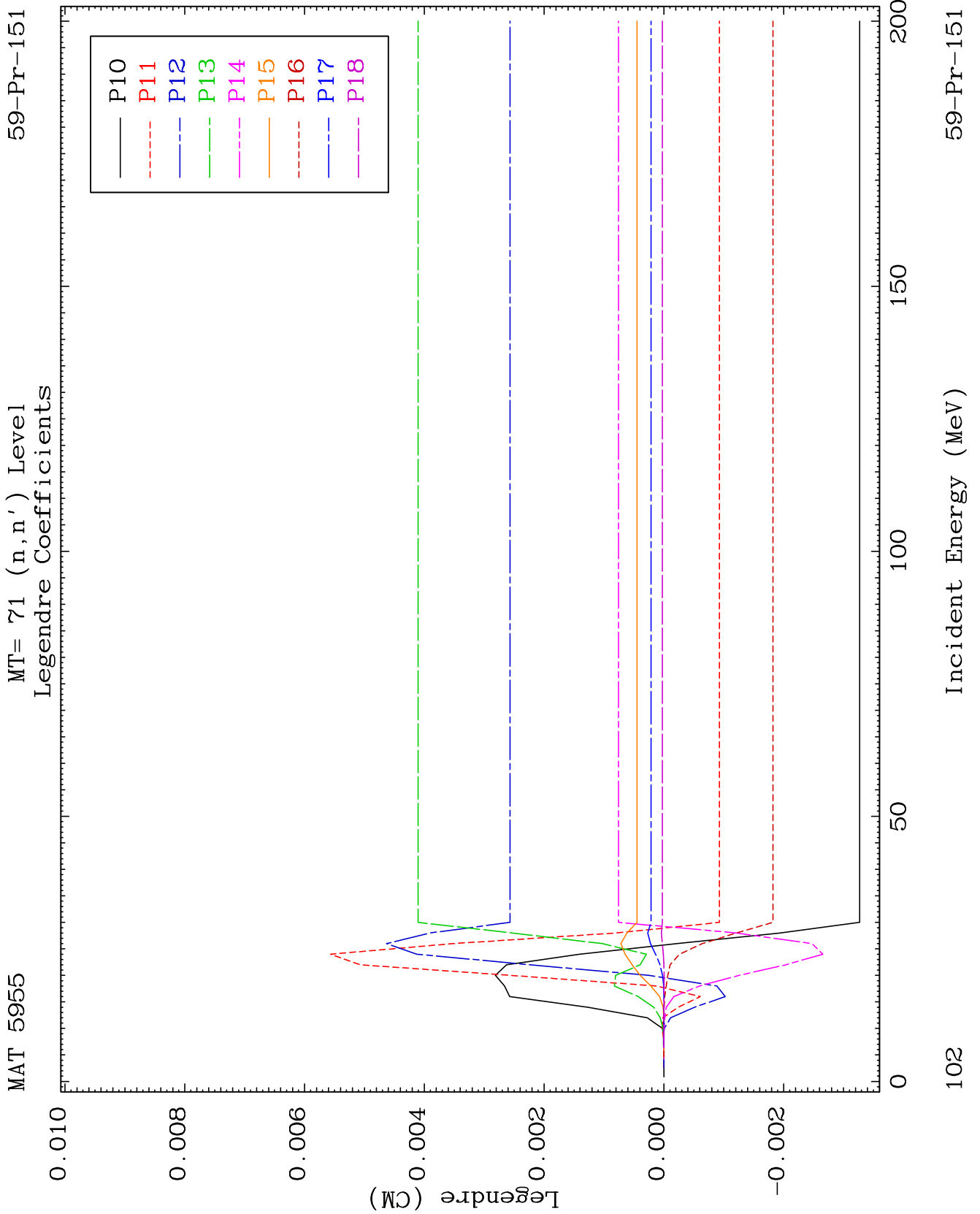
59-Pr-151



59-Pr-151

Incident Energy (MeV)

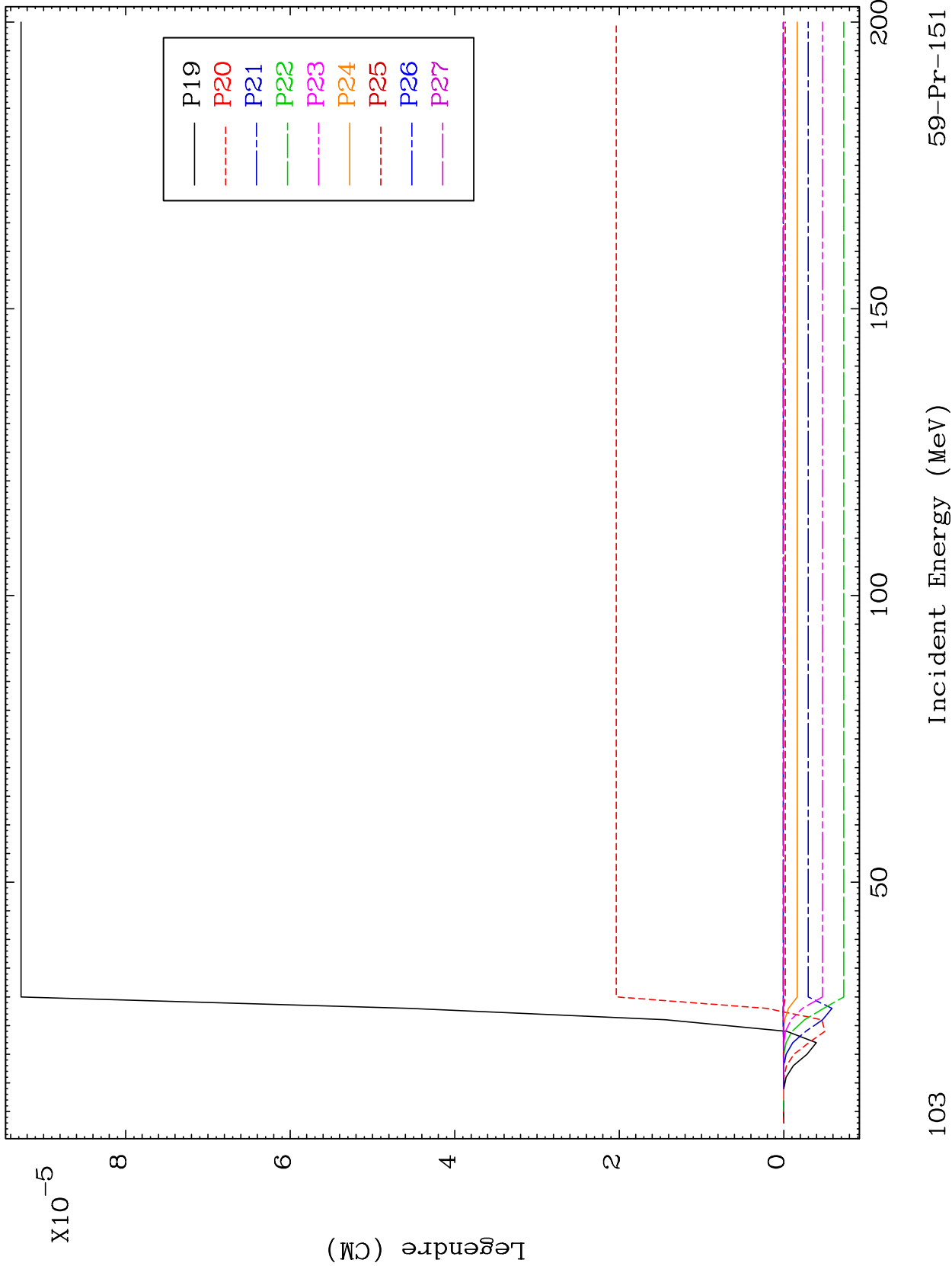
101



MAT 5955

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

59-Pr-151



103

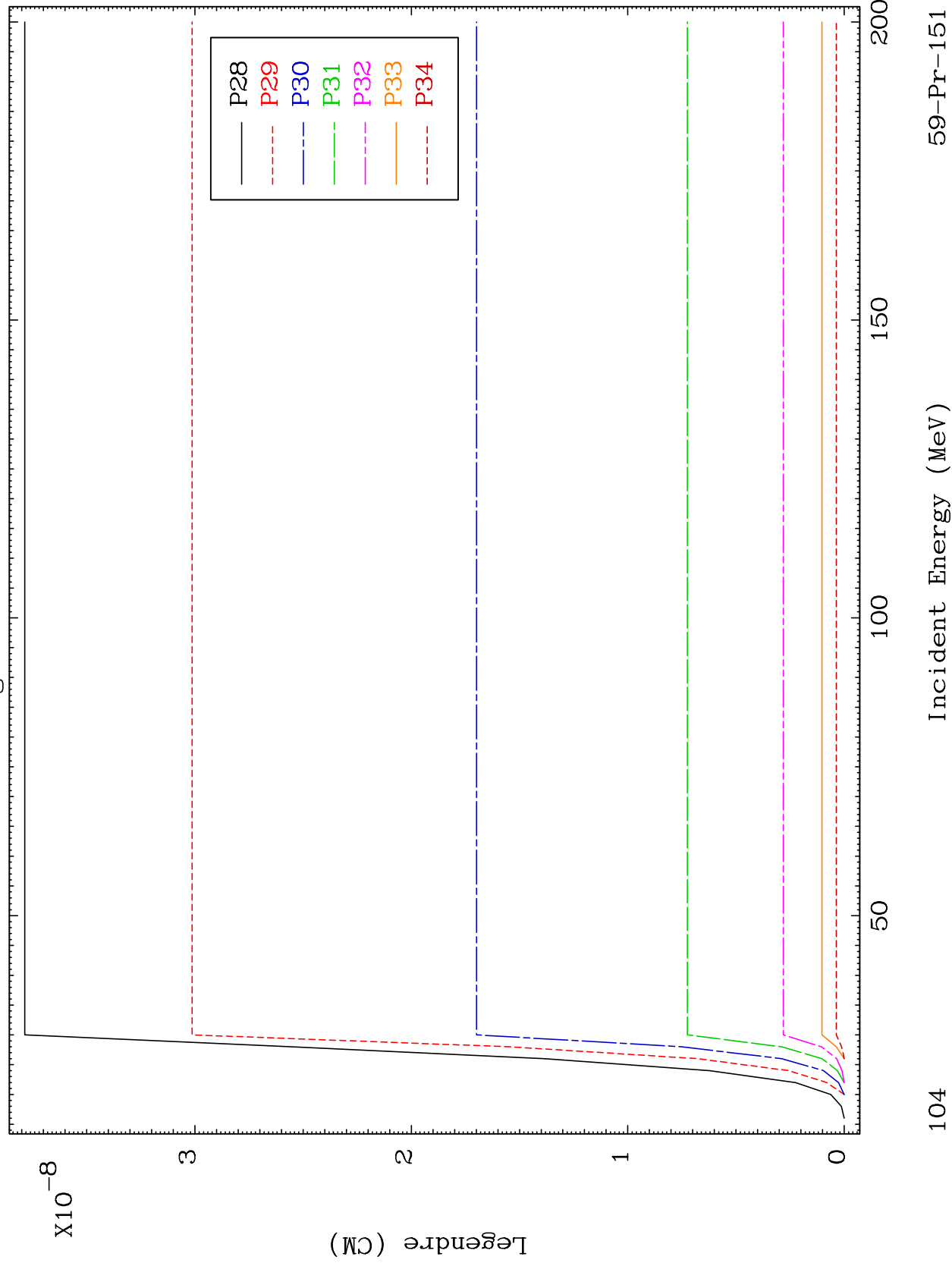
59-Pr-151



MAT 5955

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

59-Pr-151



104

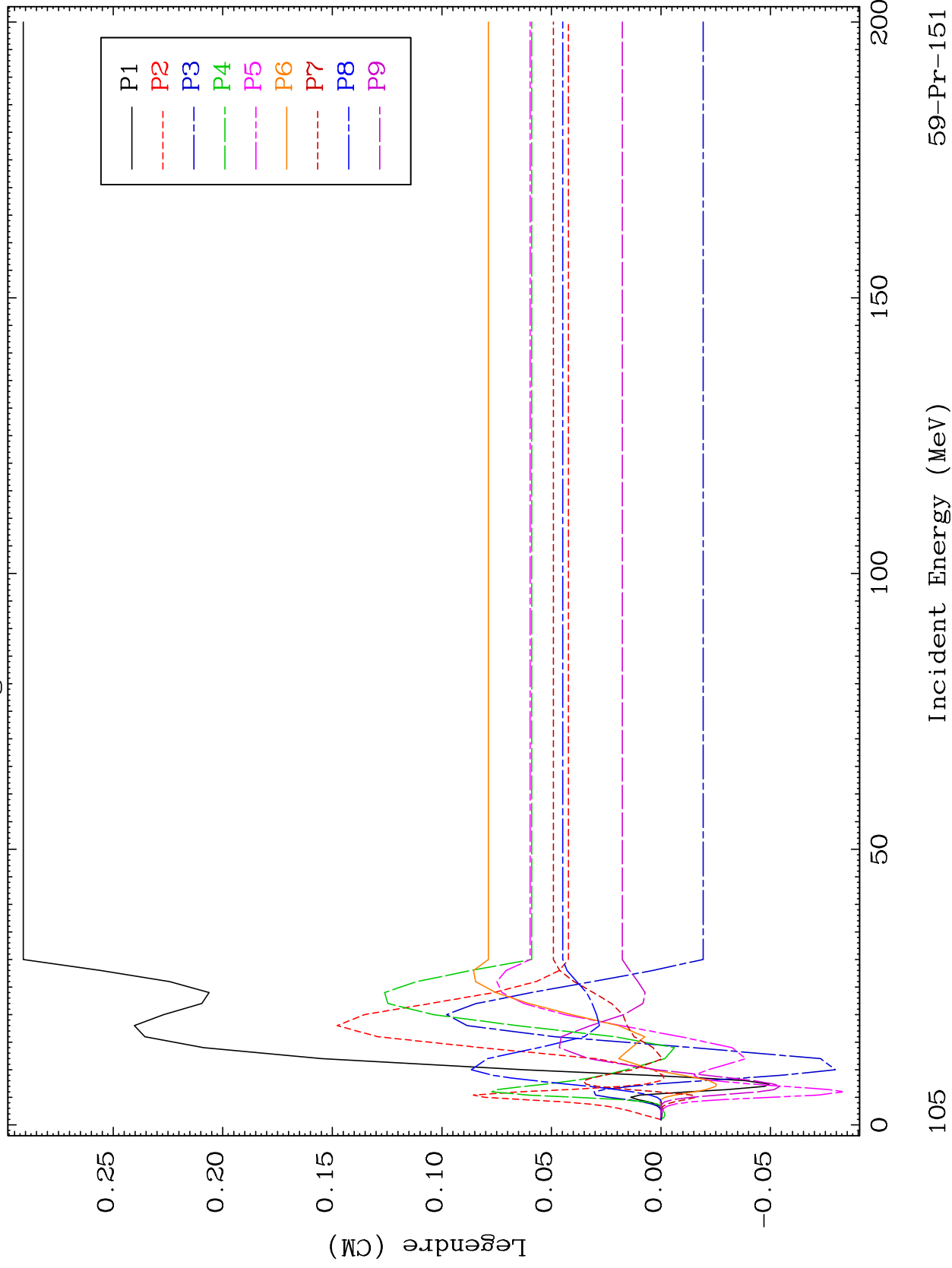
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



59-Pr-151

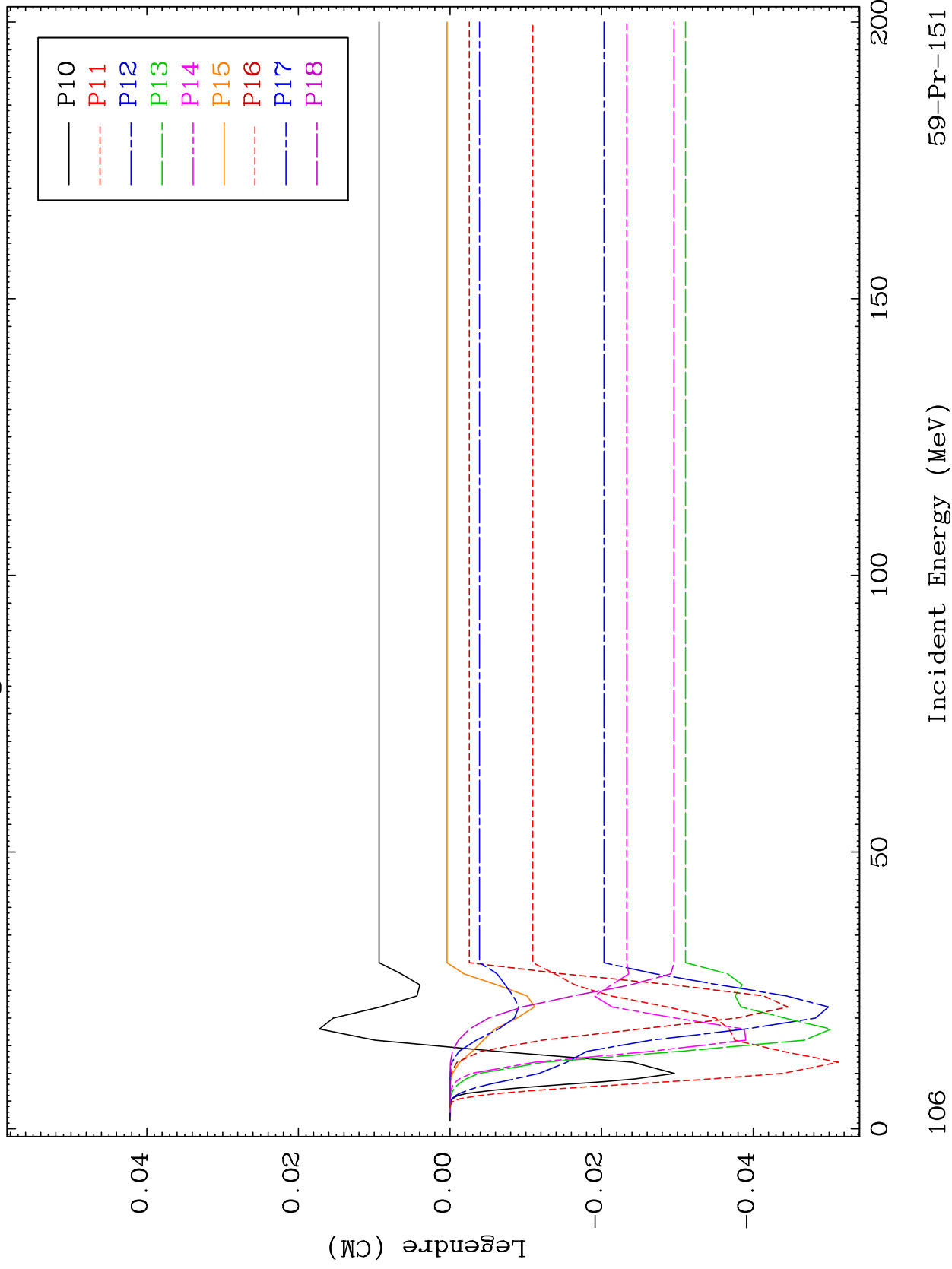
Incident Energy (MeV)

105

MAT 5955

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

59-Pr-151



59-Pr-151

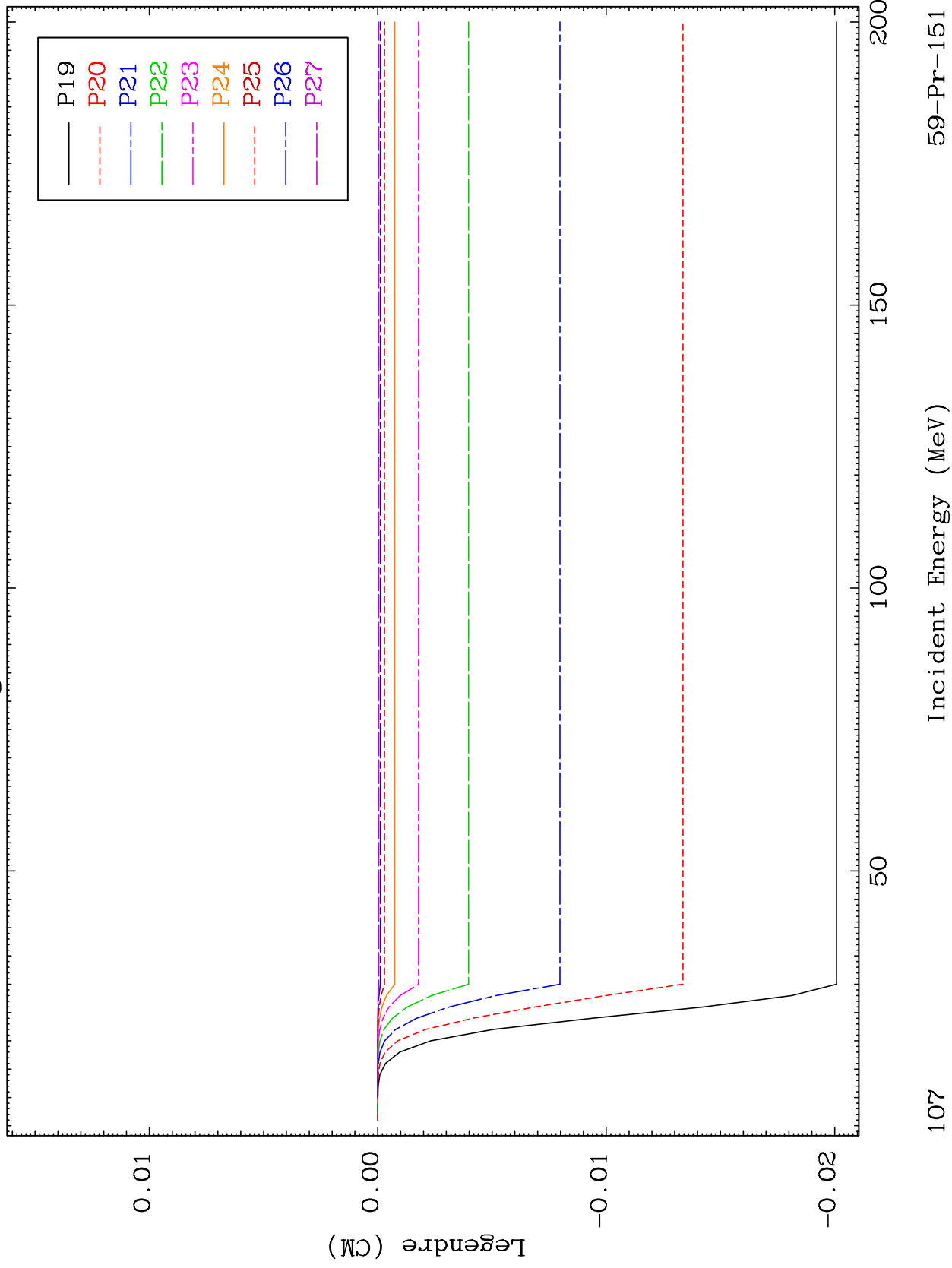
Incident Energy (MeV)

106

MAT 5955

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

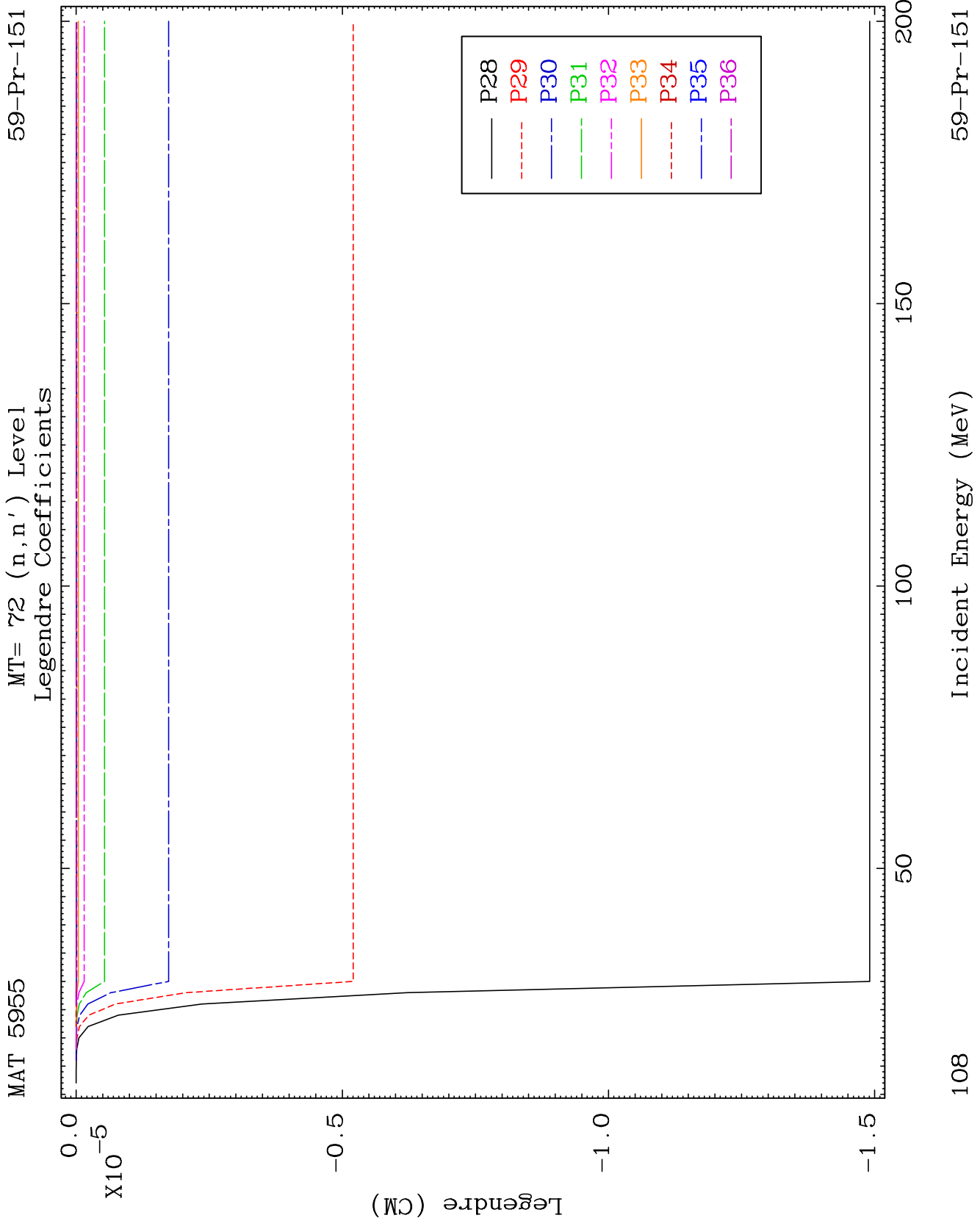
59-Pr-151



107

Incident Energy (MeV)

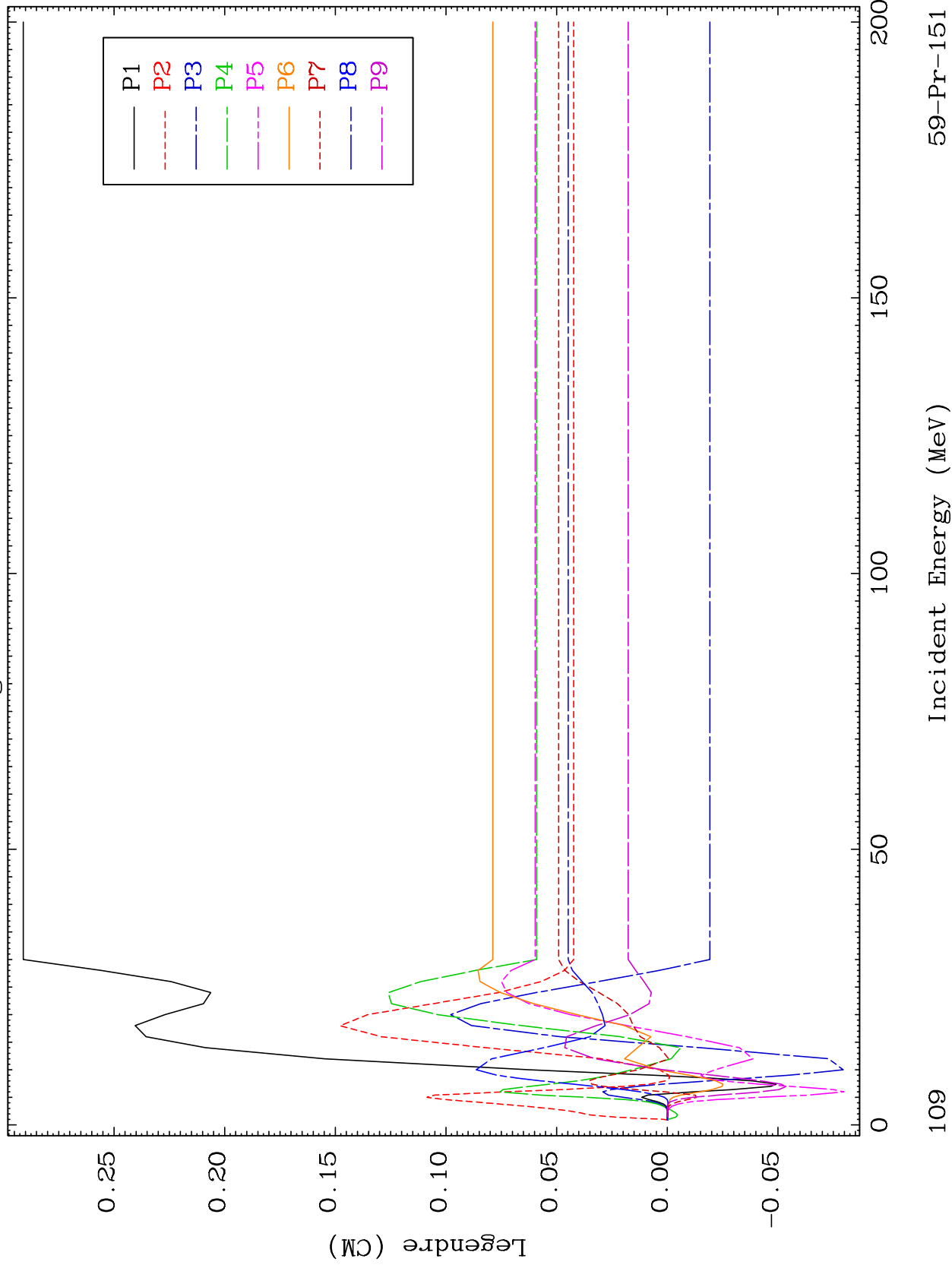
59-Pr-151



MAT 5955

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

59-Pr-151



59-Pr-151

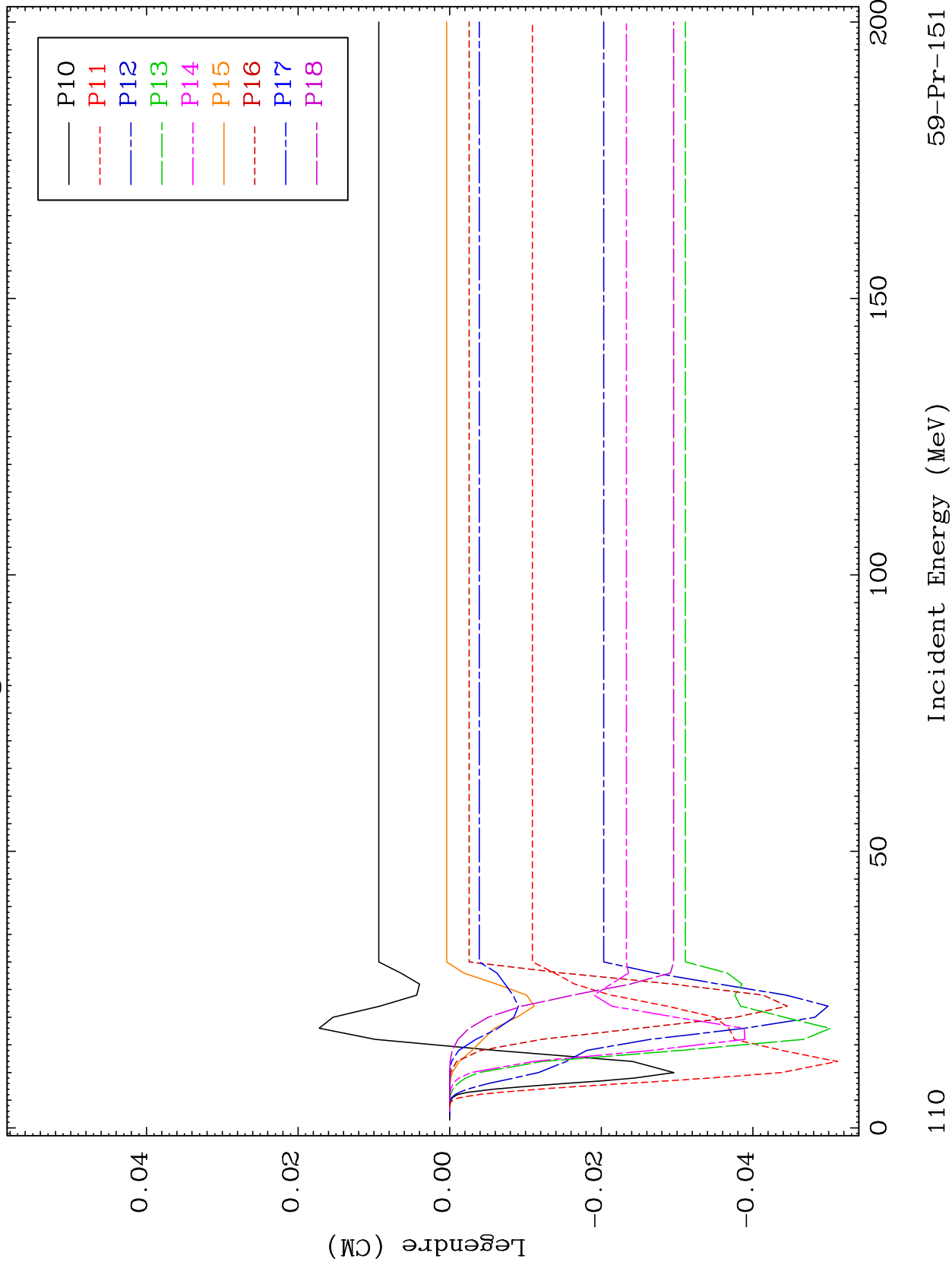
Incident Energy (MeV)

109

MAT 5955

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

59-Pr-151



59-Pr-151

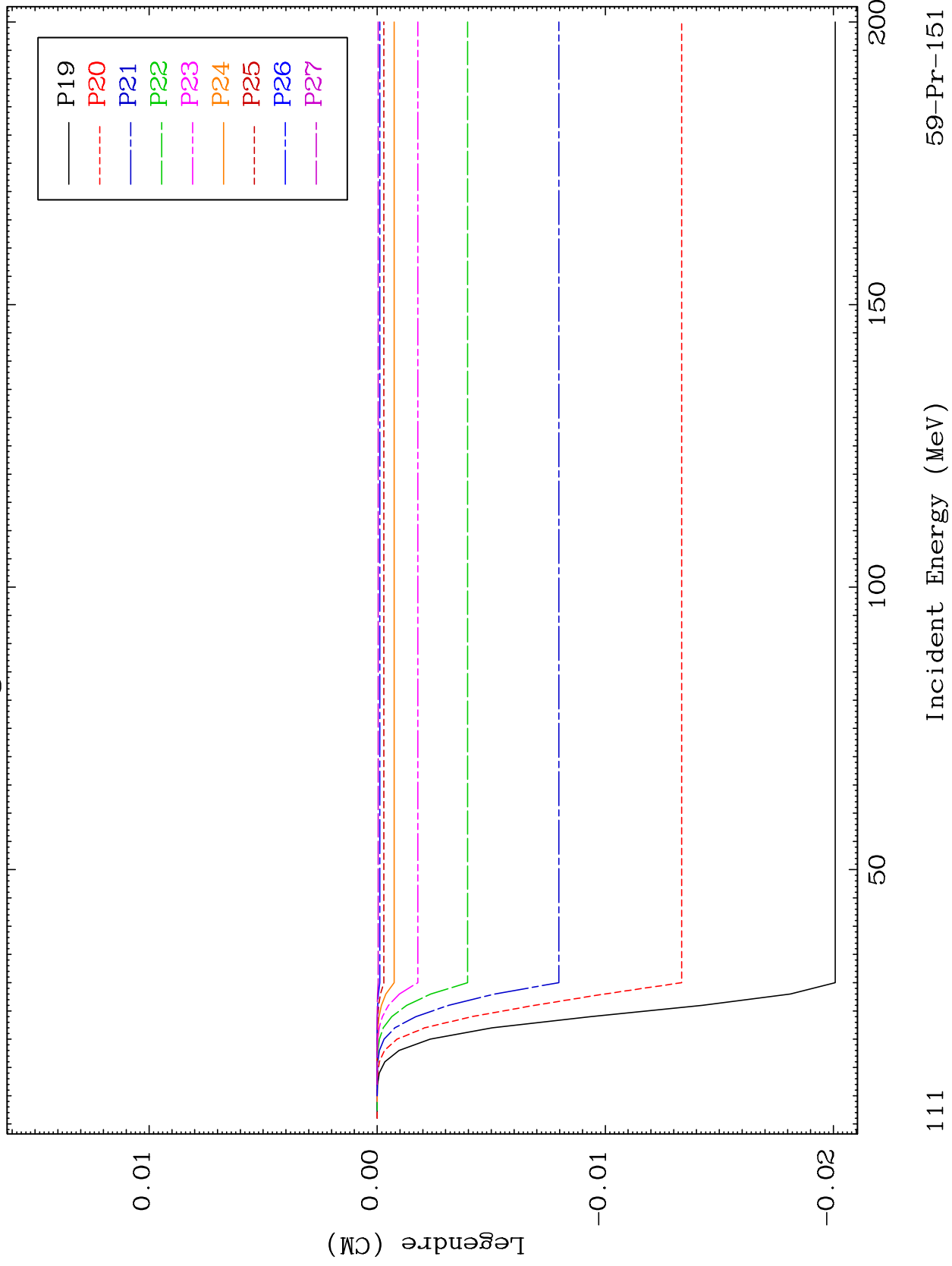
Incident Energy (MeV)

110

MAT 5955

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

59-Pr-151

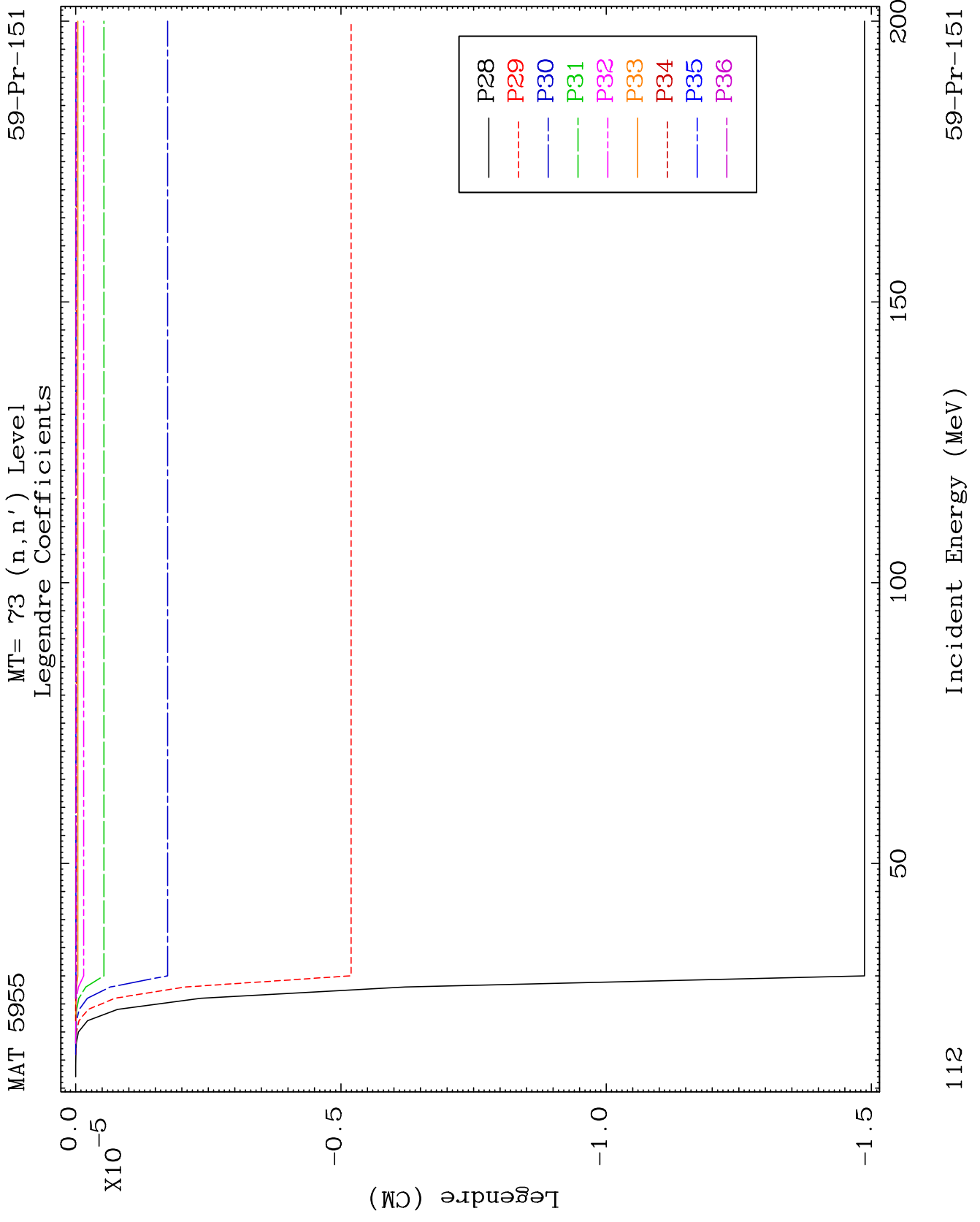


111

Incident Energy (MeV)

59-Pr-151



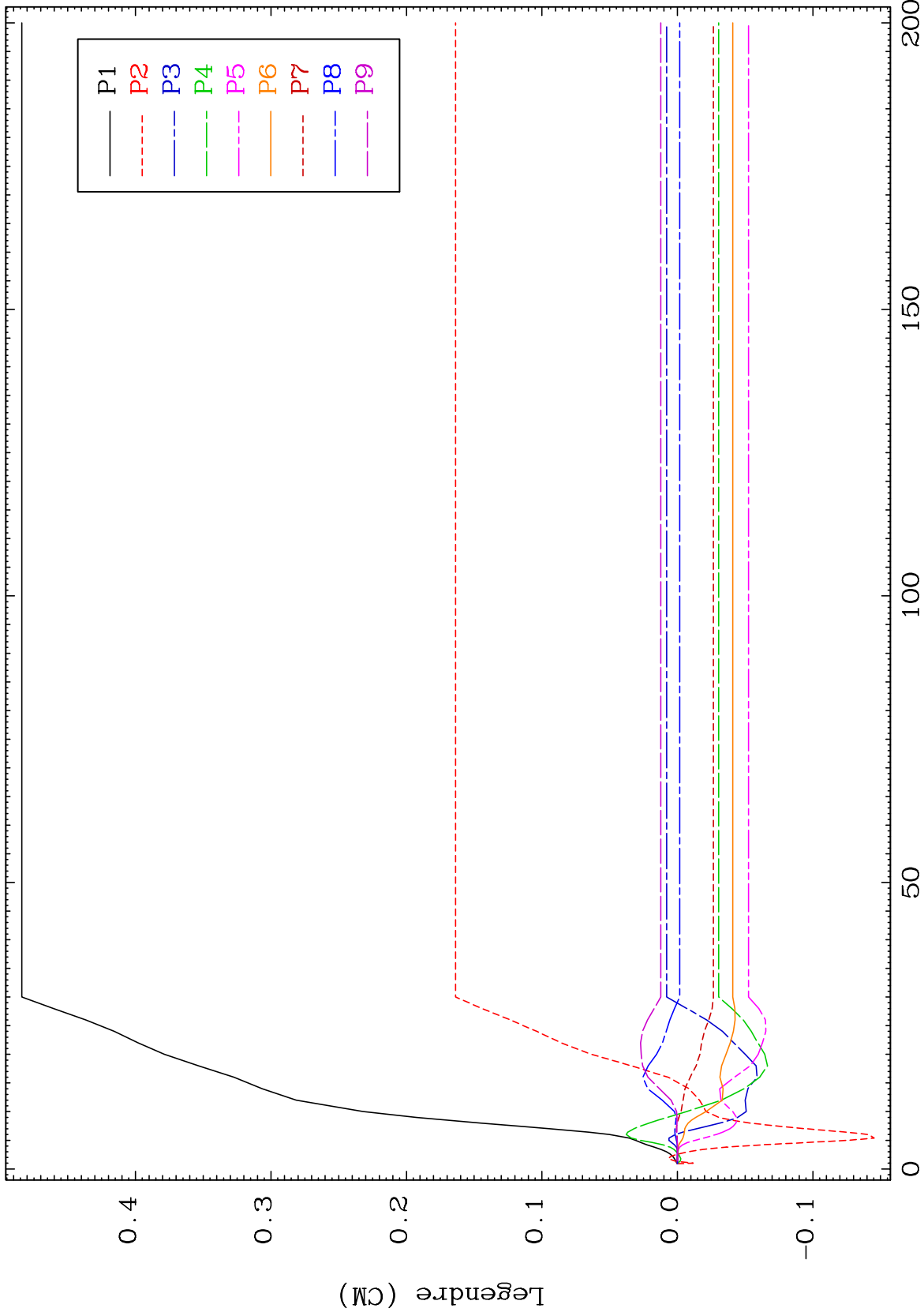


MAT 5955

MT= 74 (n,n') Level

59-Pr-151

Legendre Coefficients



113

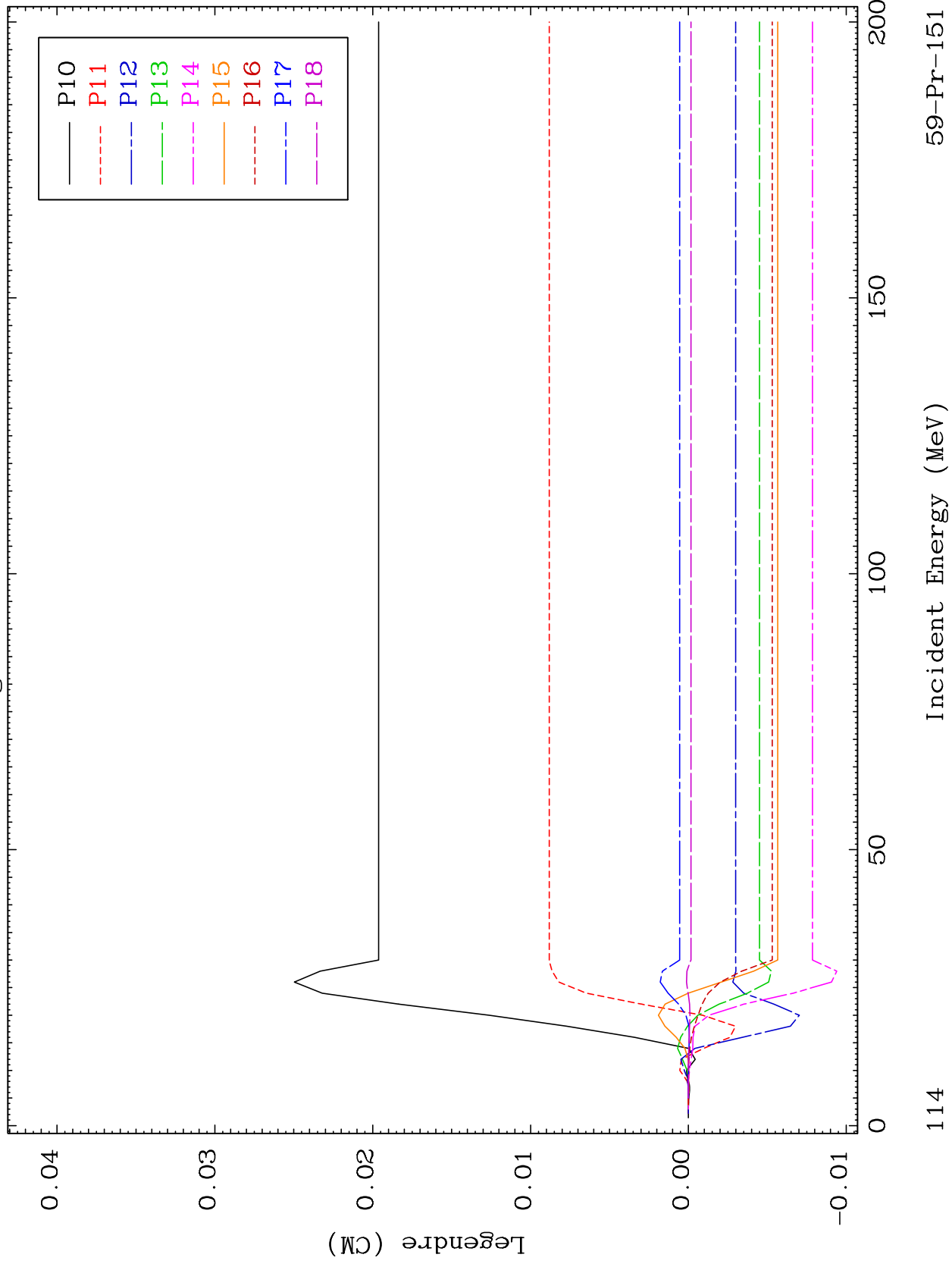
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



114

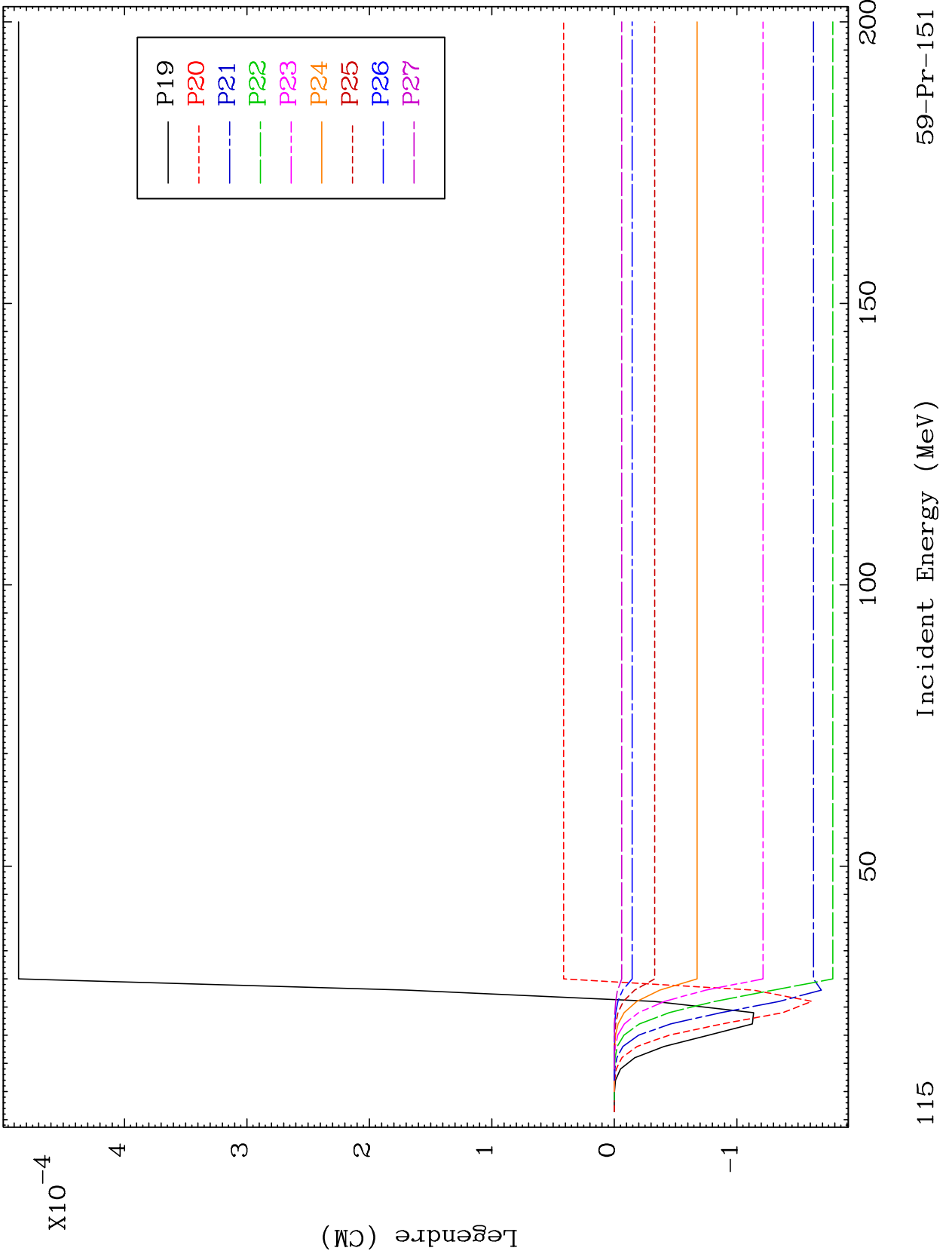
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

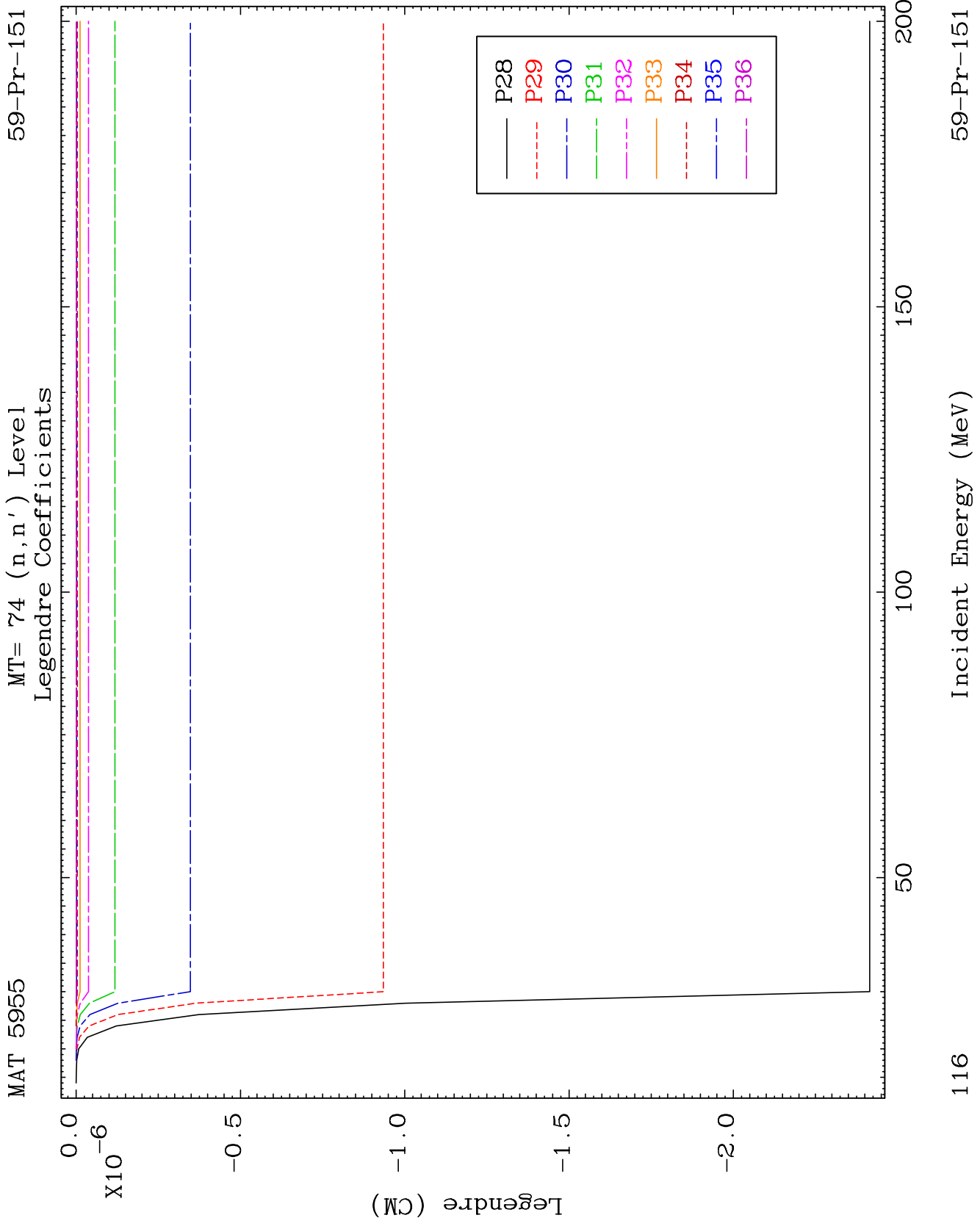
59-Pr-151



115

Incident Energy (MeV)

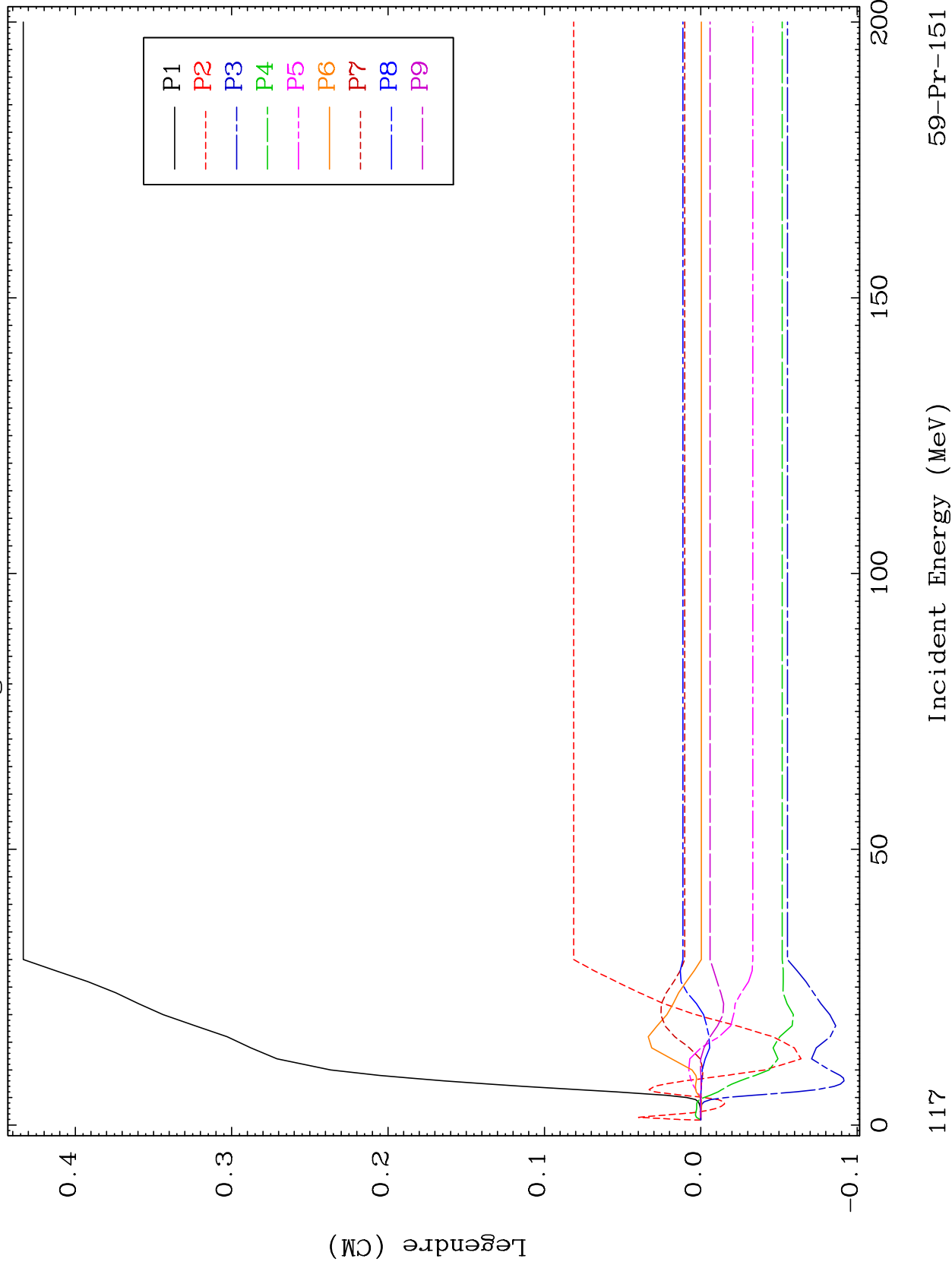
59-Pr-151



MAT 5955

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

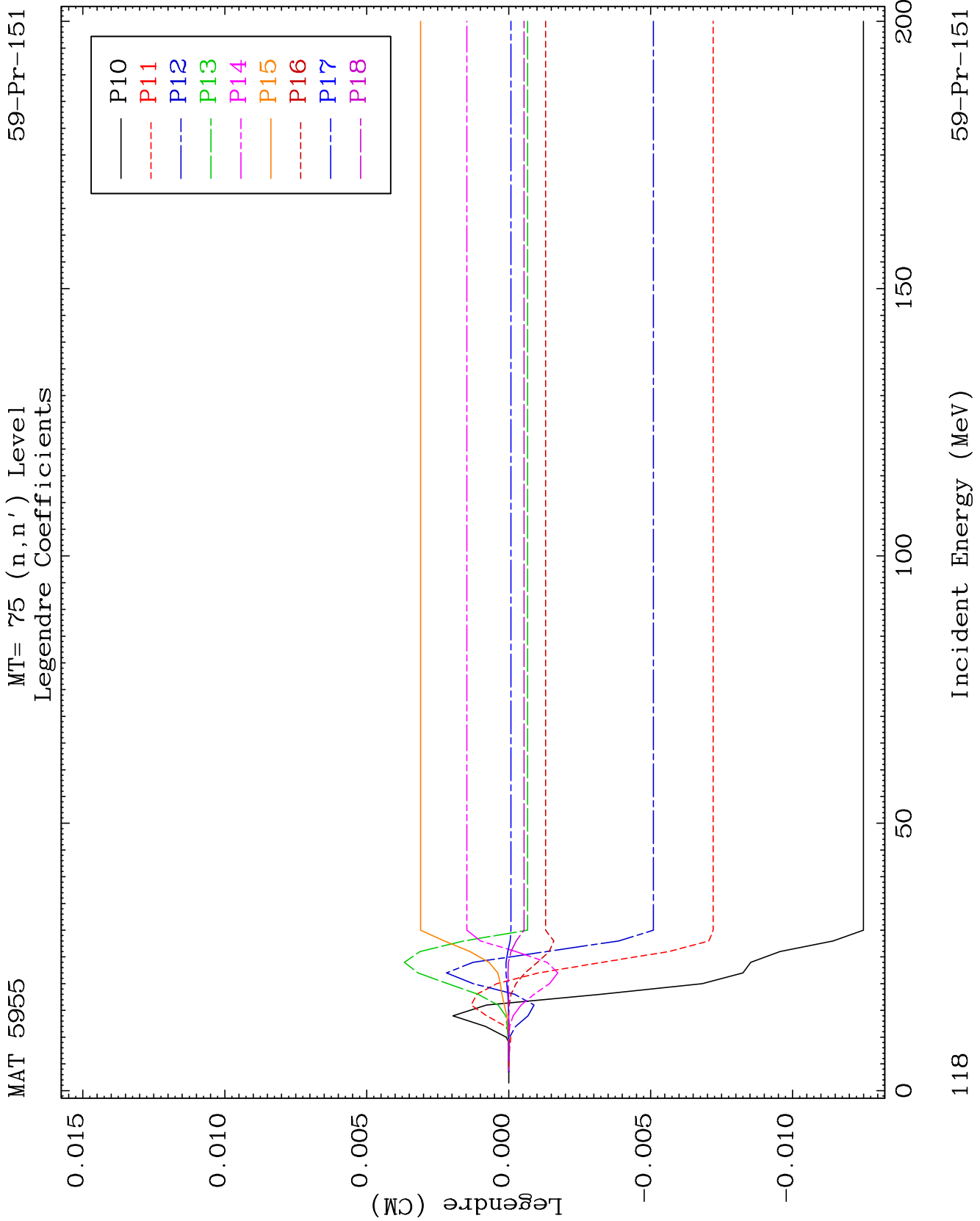
59-Pr-151



59-Pr-151

Incident Energy (MeV)

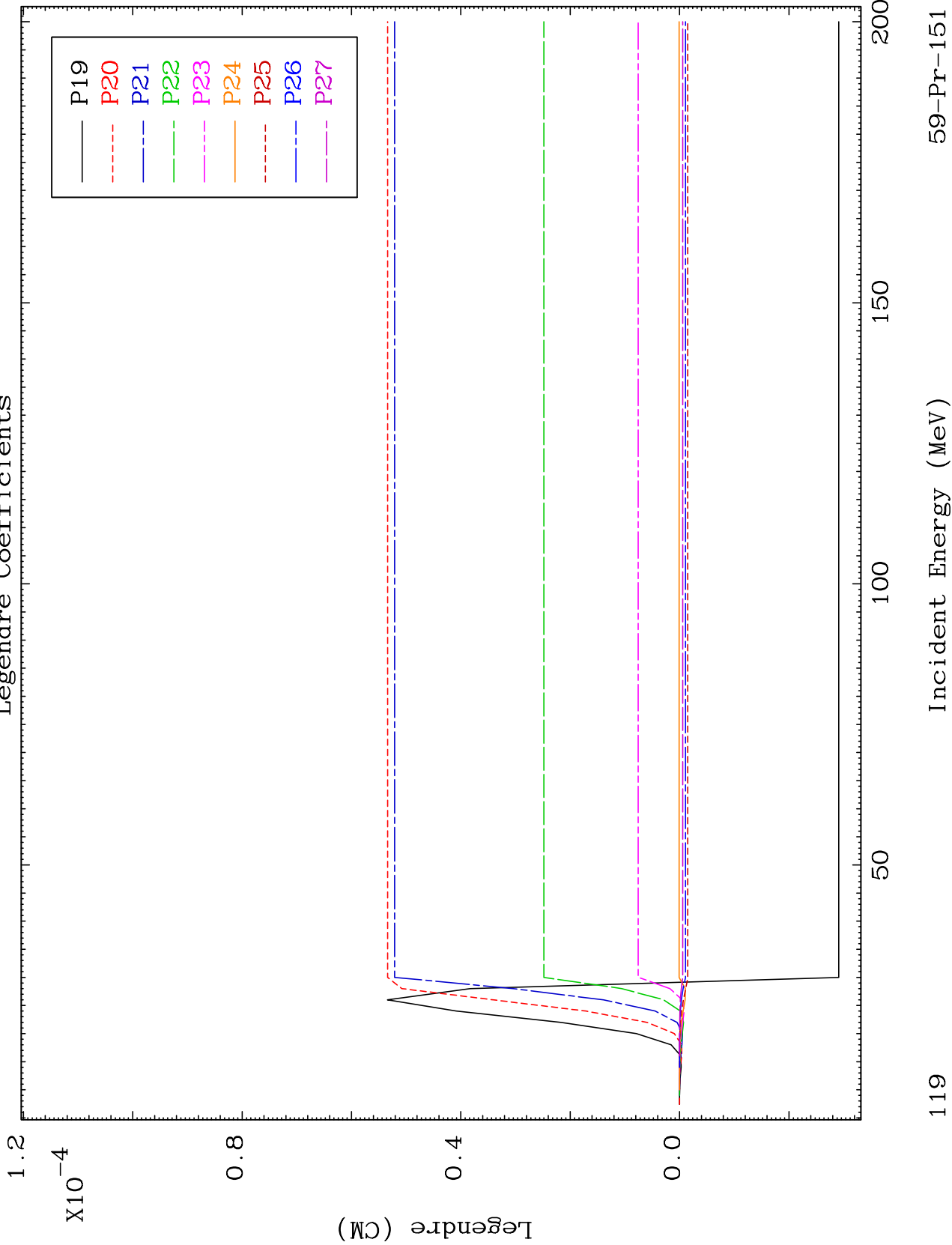
117



MAT 5955

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

59-Pr-151



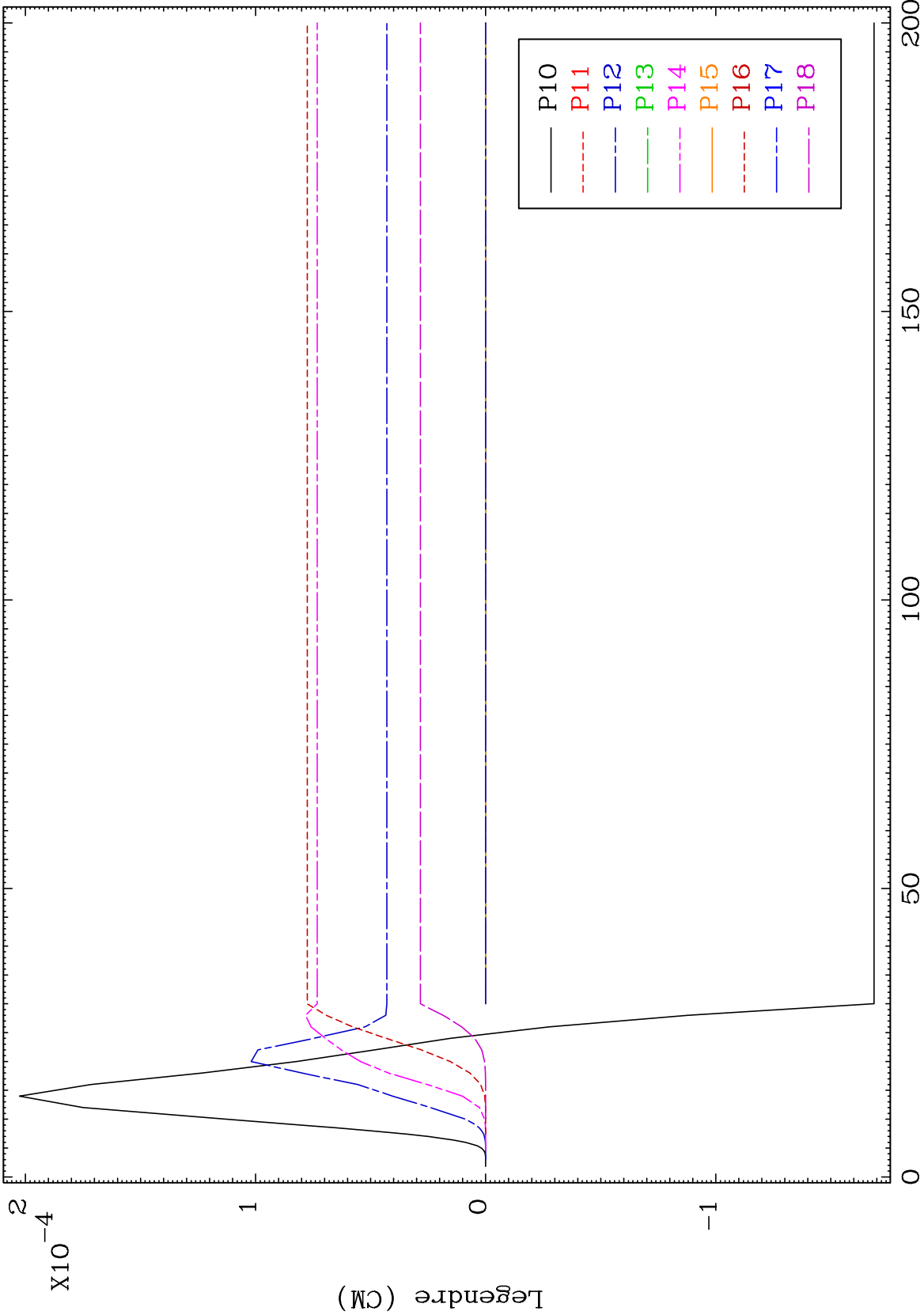
119

59-Pr-151





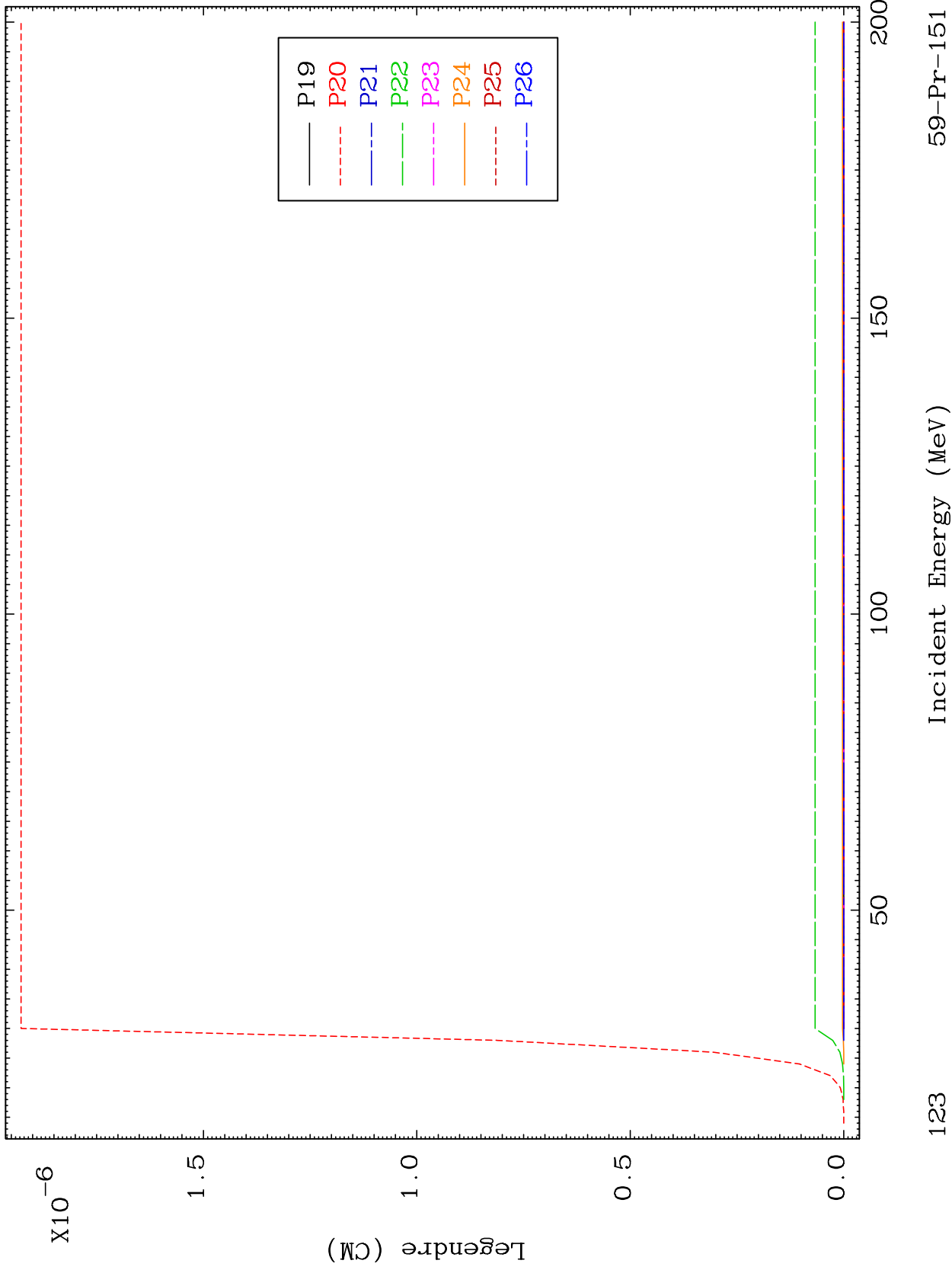




MAT 5955

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

59-Pr-151



123

Incident Energy (MeV)

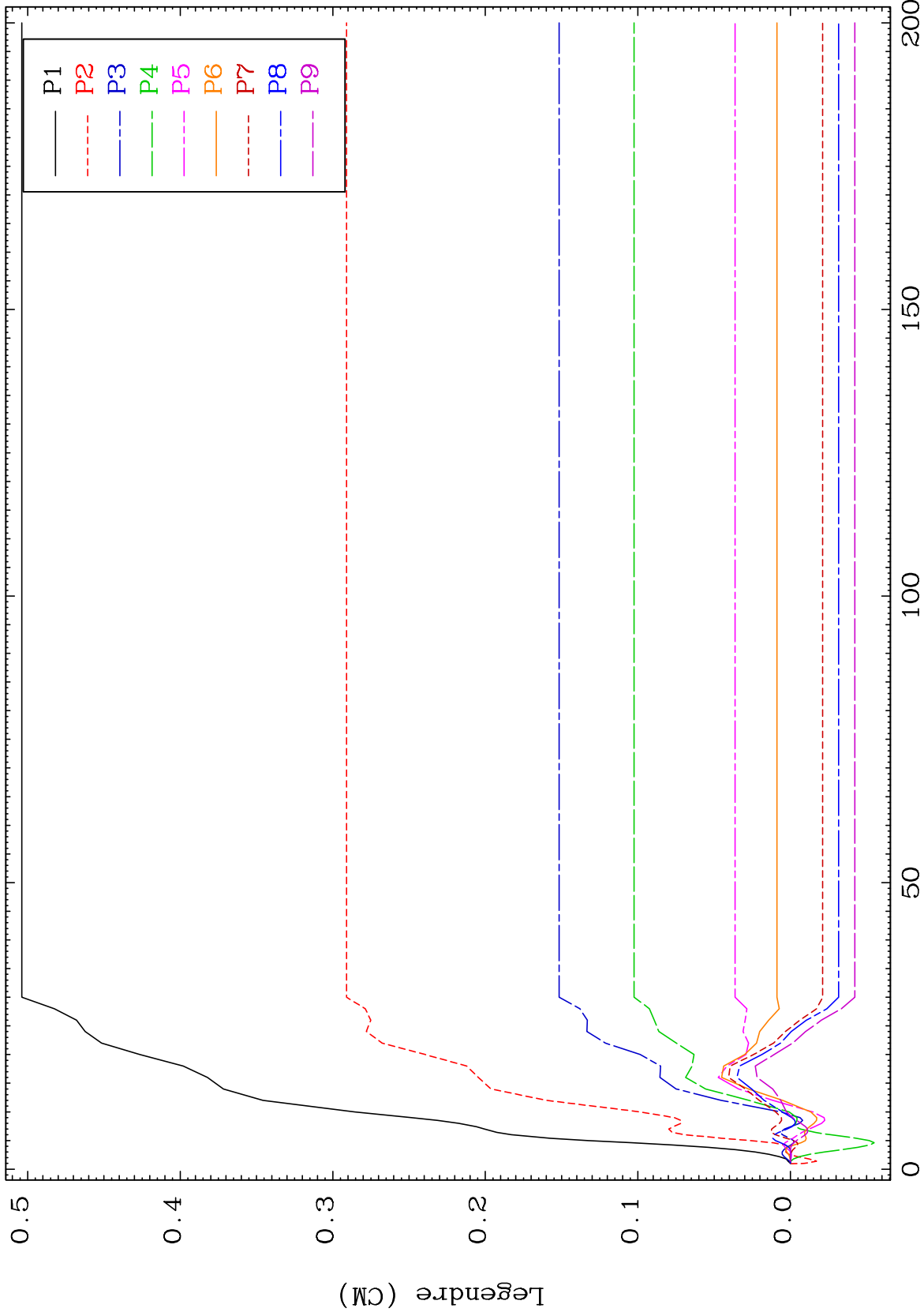
59-Pr-151

MAT 5955

MT= 77 (n,n') Level

59-Pr-151

Legendre Coefficients



59-Pr-151

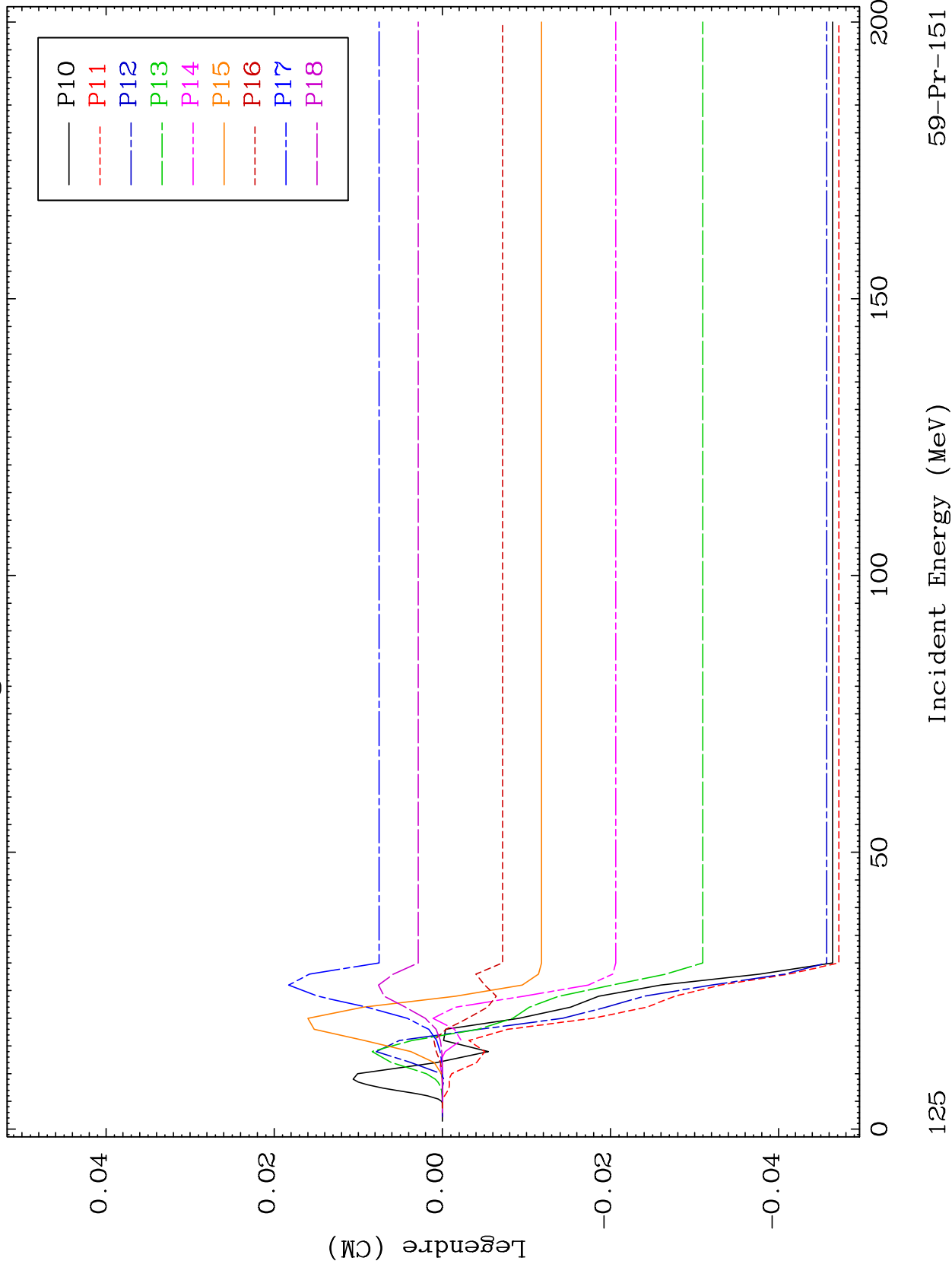
Incident Energy (MeV)

124

MAT 5955

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

59-Pr-151



59-Pr-151

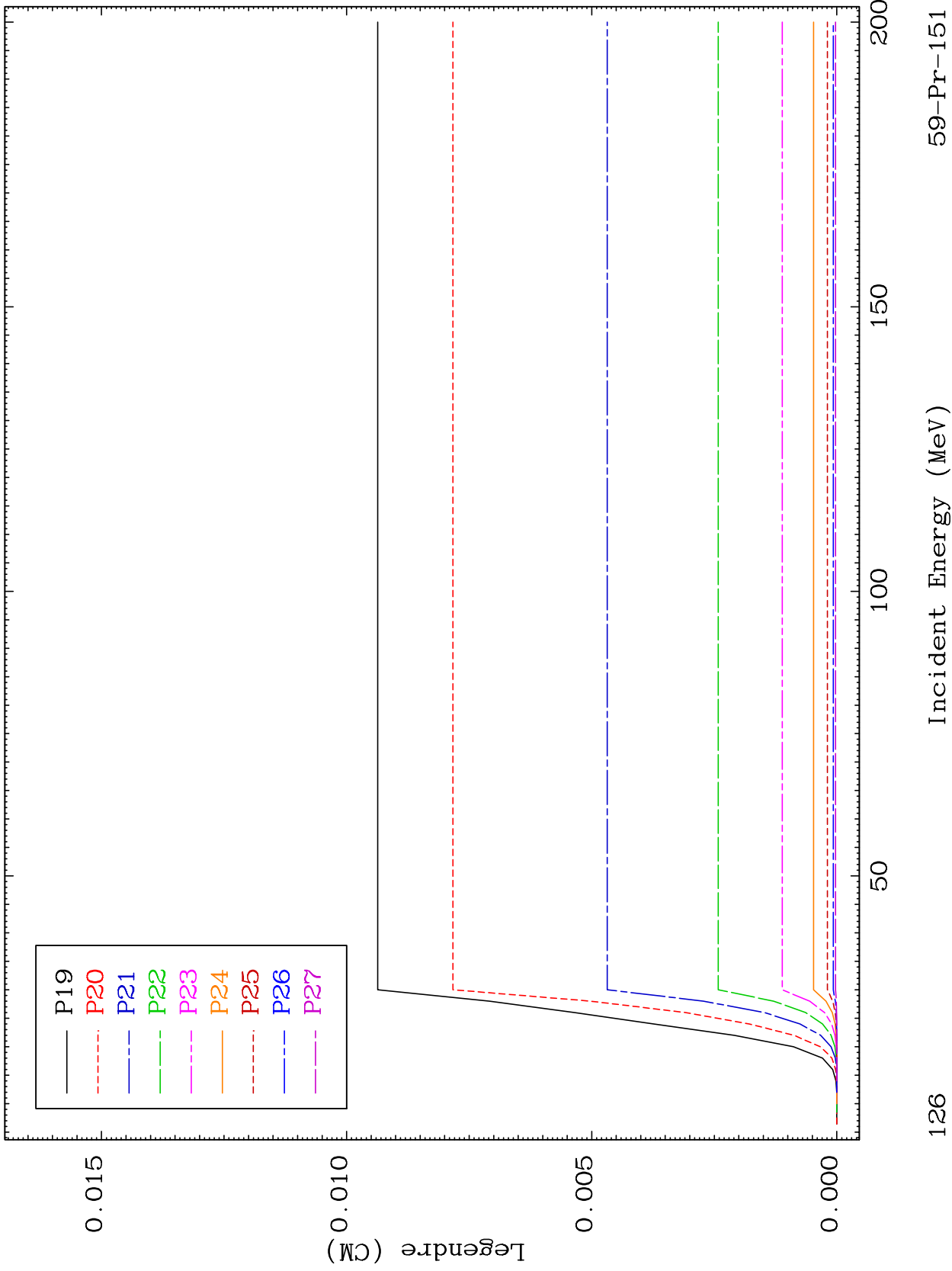
Incident Energy (MeV)

125

MAT 5955

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

59-Pr-151



126

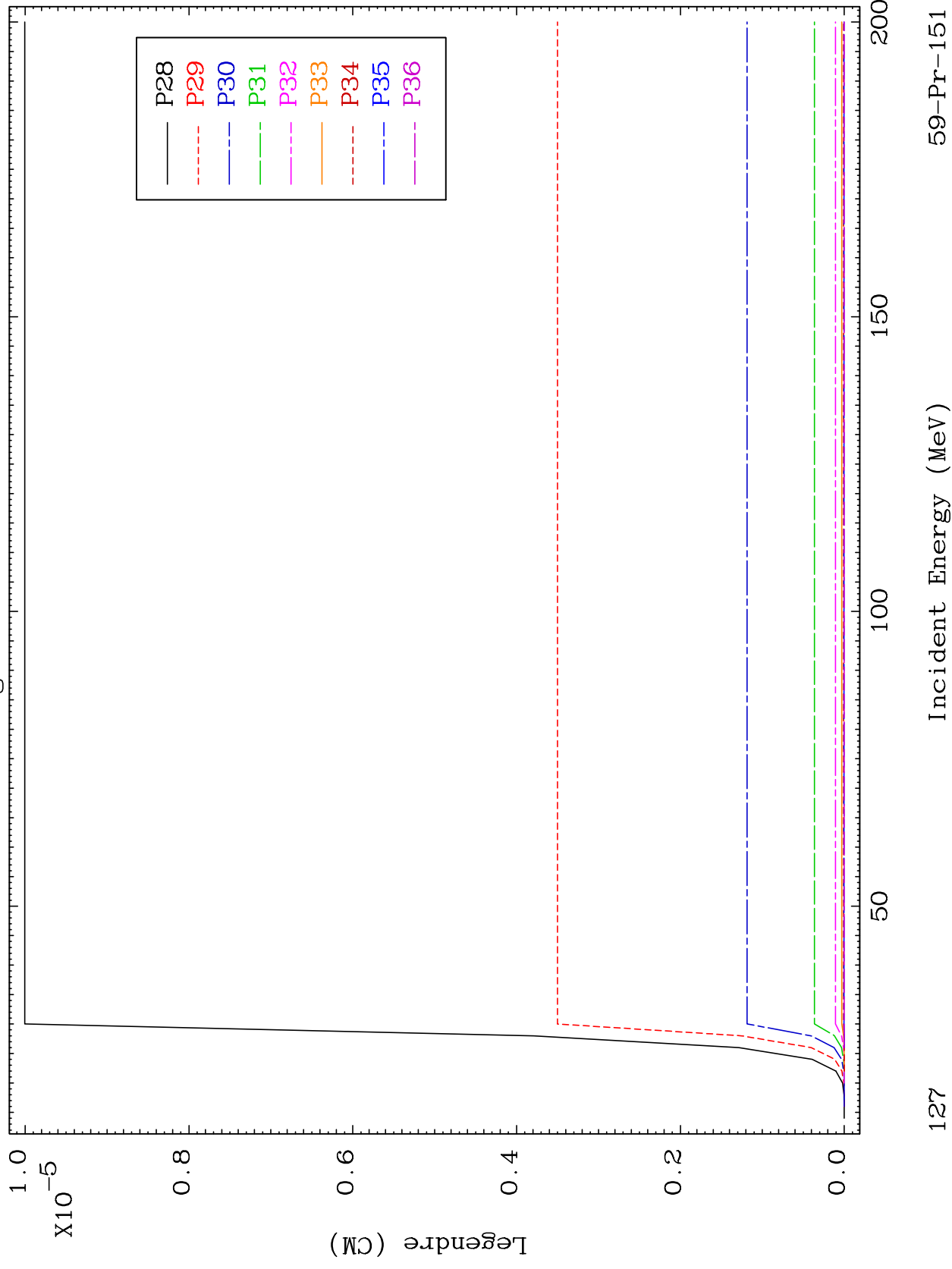
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



127

Incident Energy (MeV)

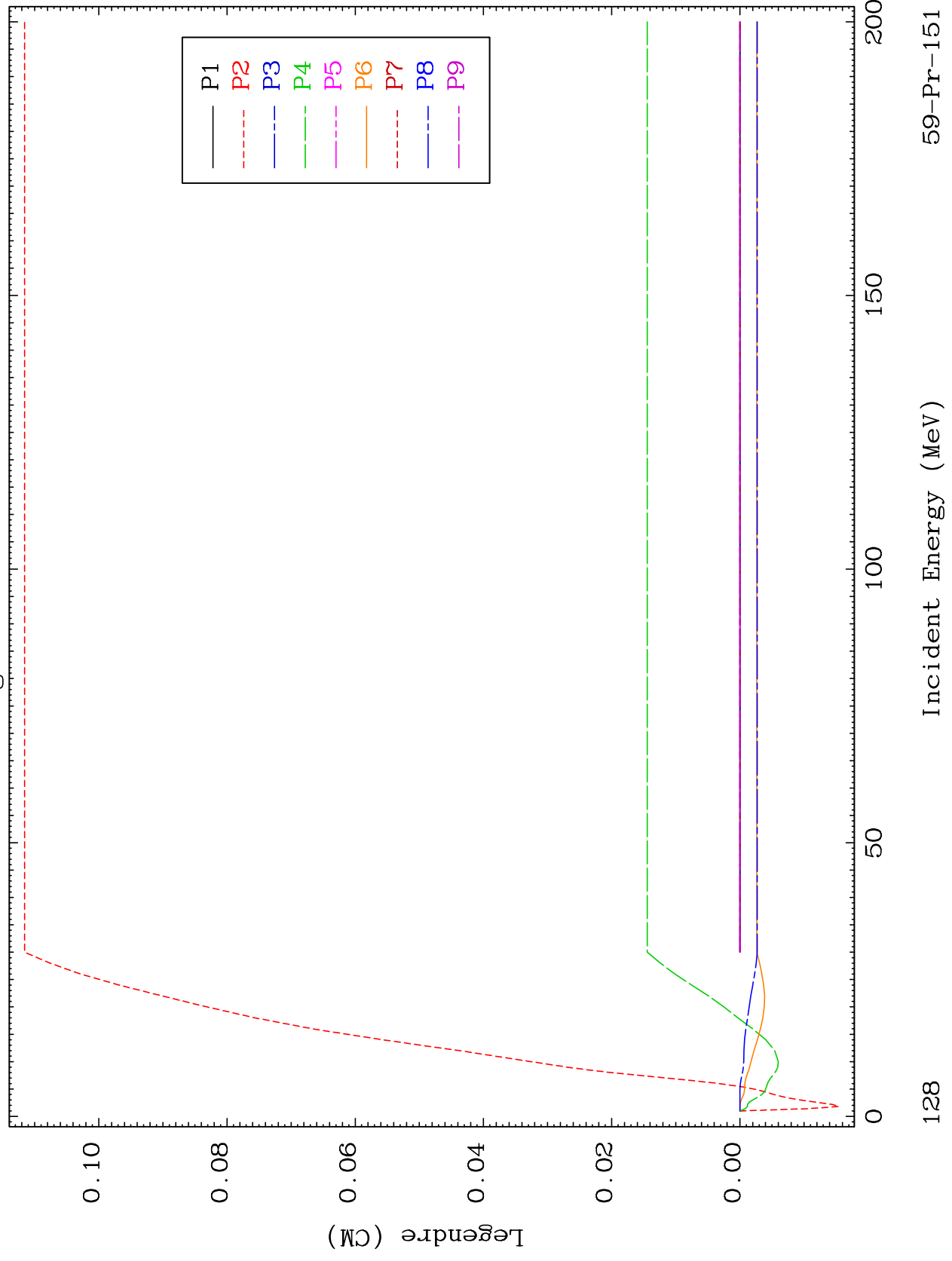
59-Pr-151



MAT 5955

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

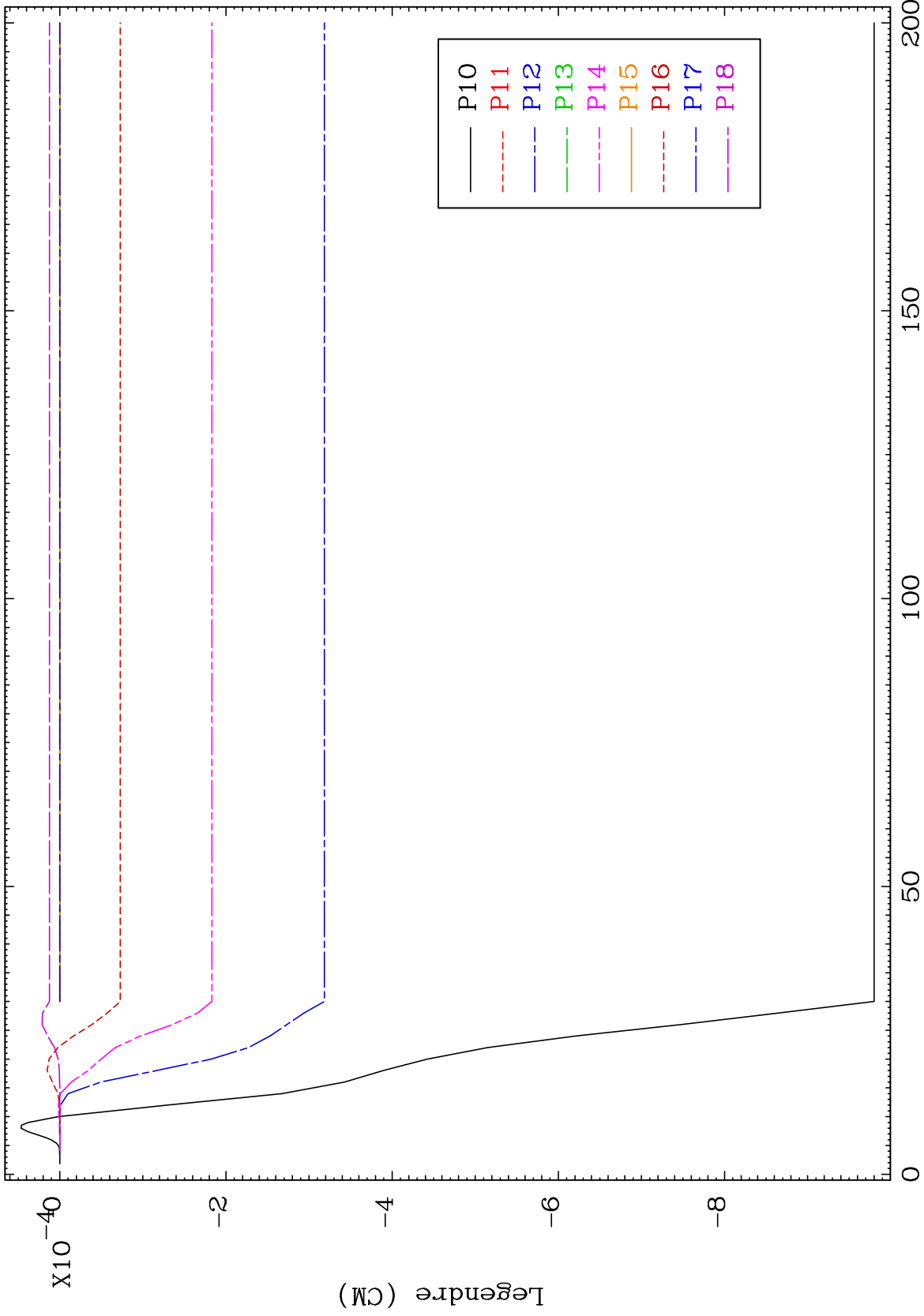
59-Pr-151



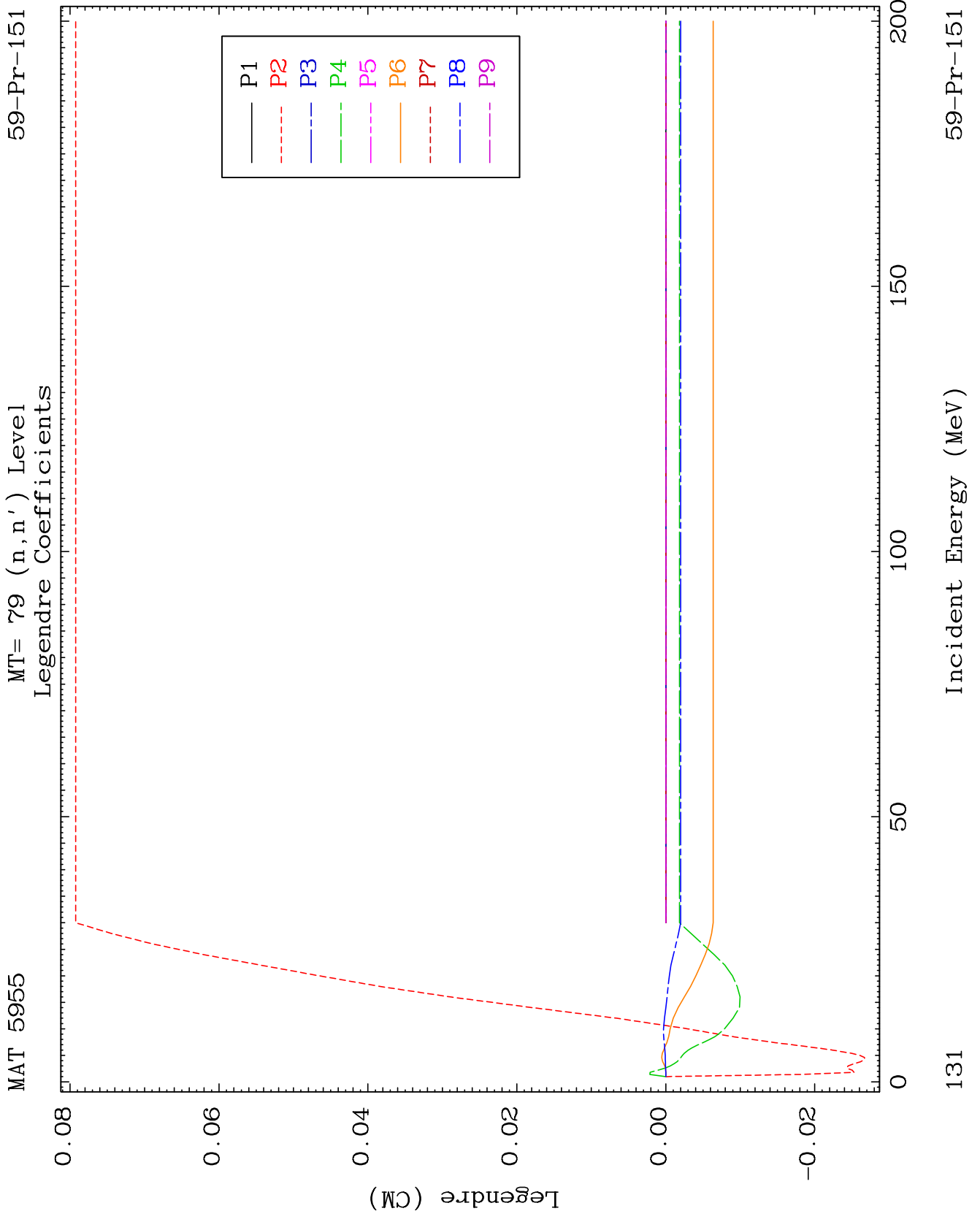
59-Pr-151

Incident Energy (MeV)

128



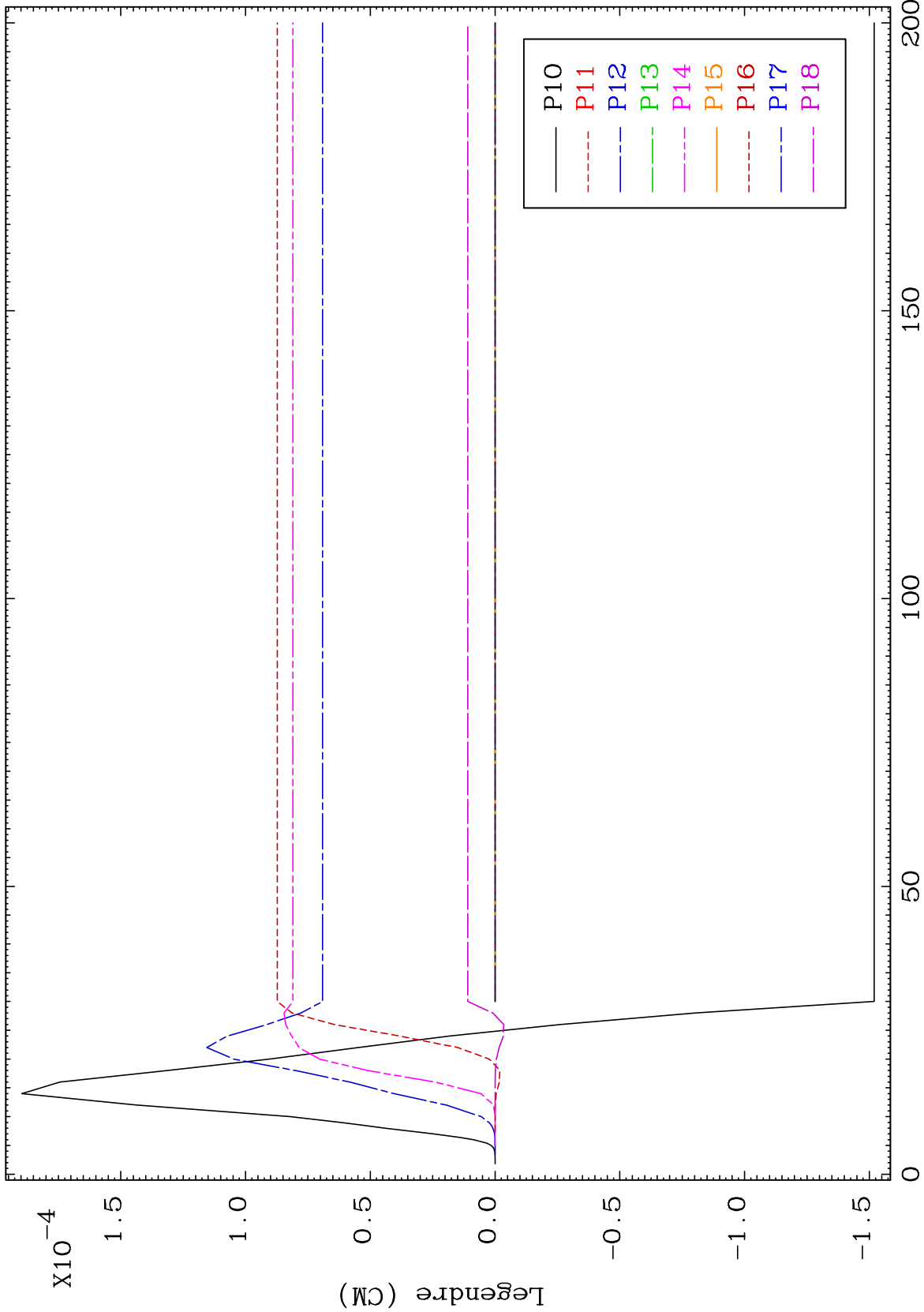


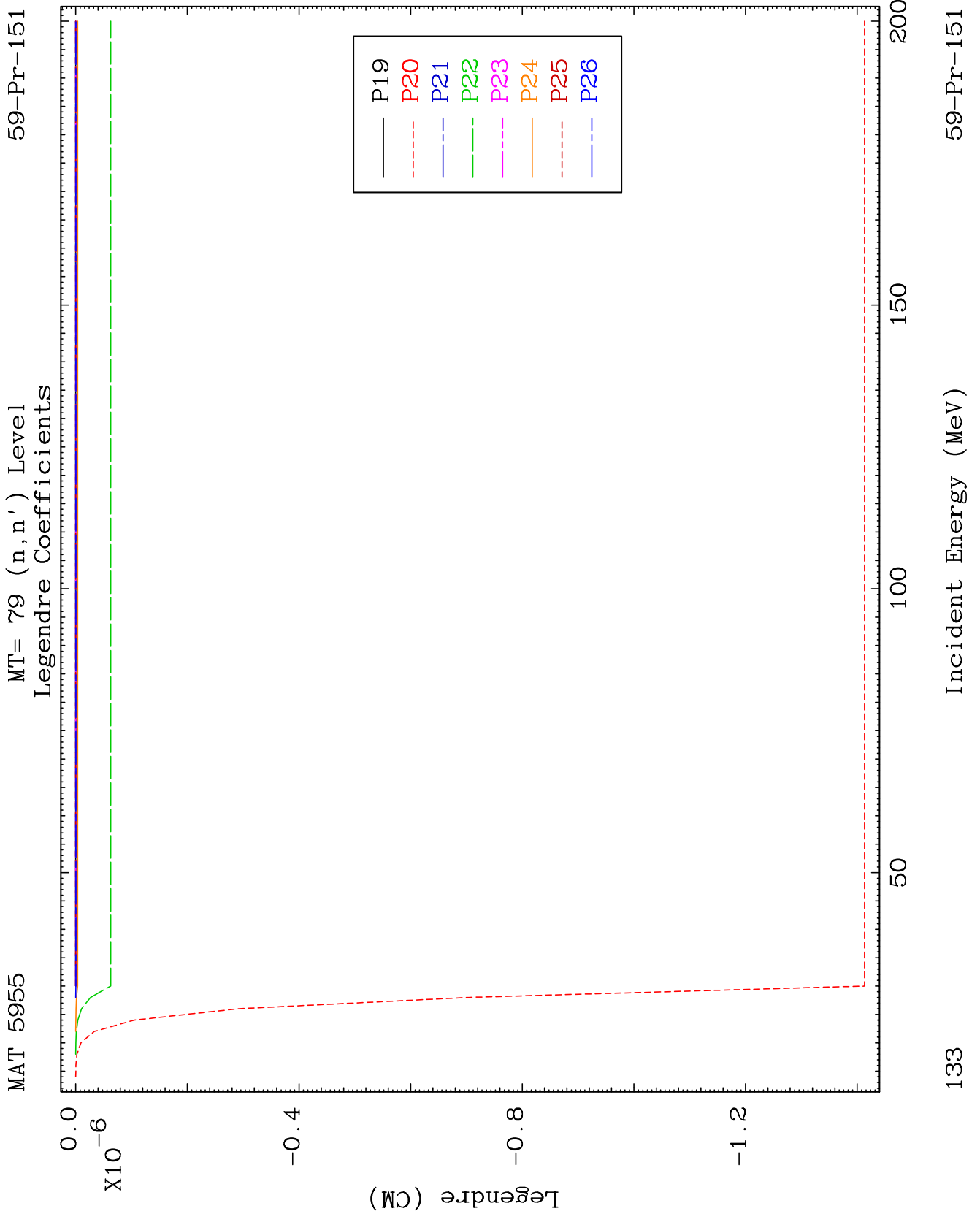


59-Pr-151

Incident Energy (MeV)

131

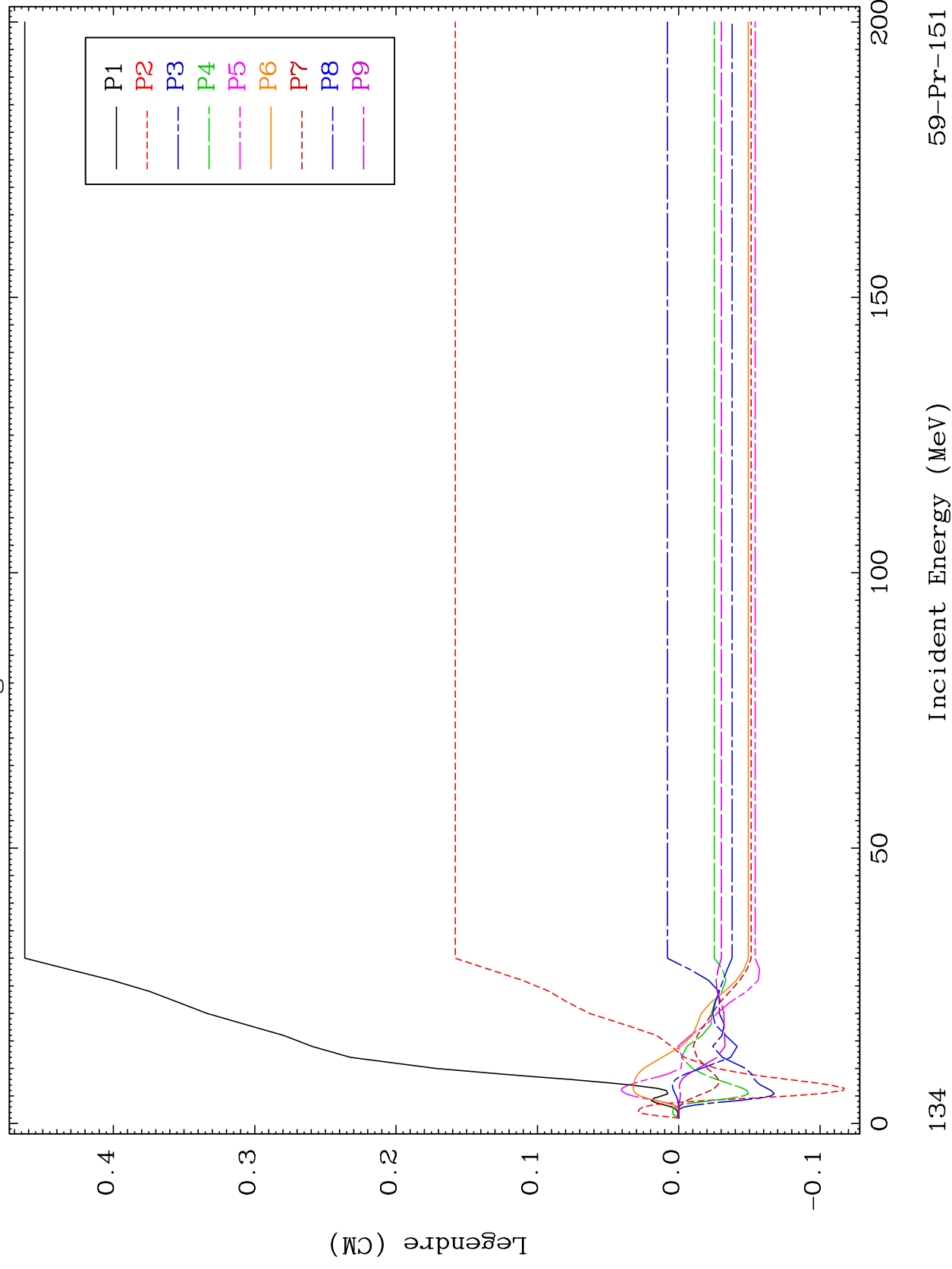




MAT 5955

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

59-Pr-151



59-Pr-151

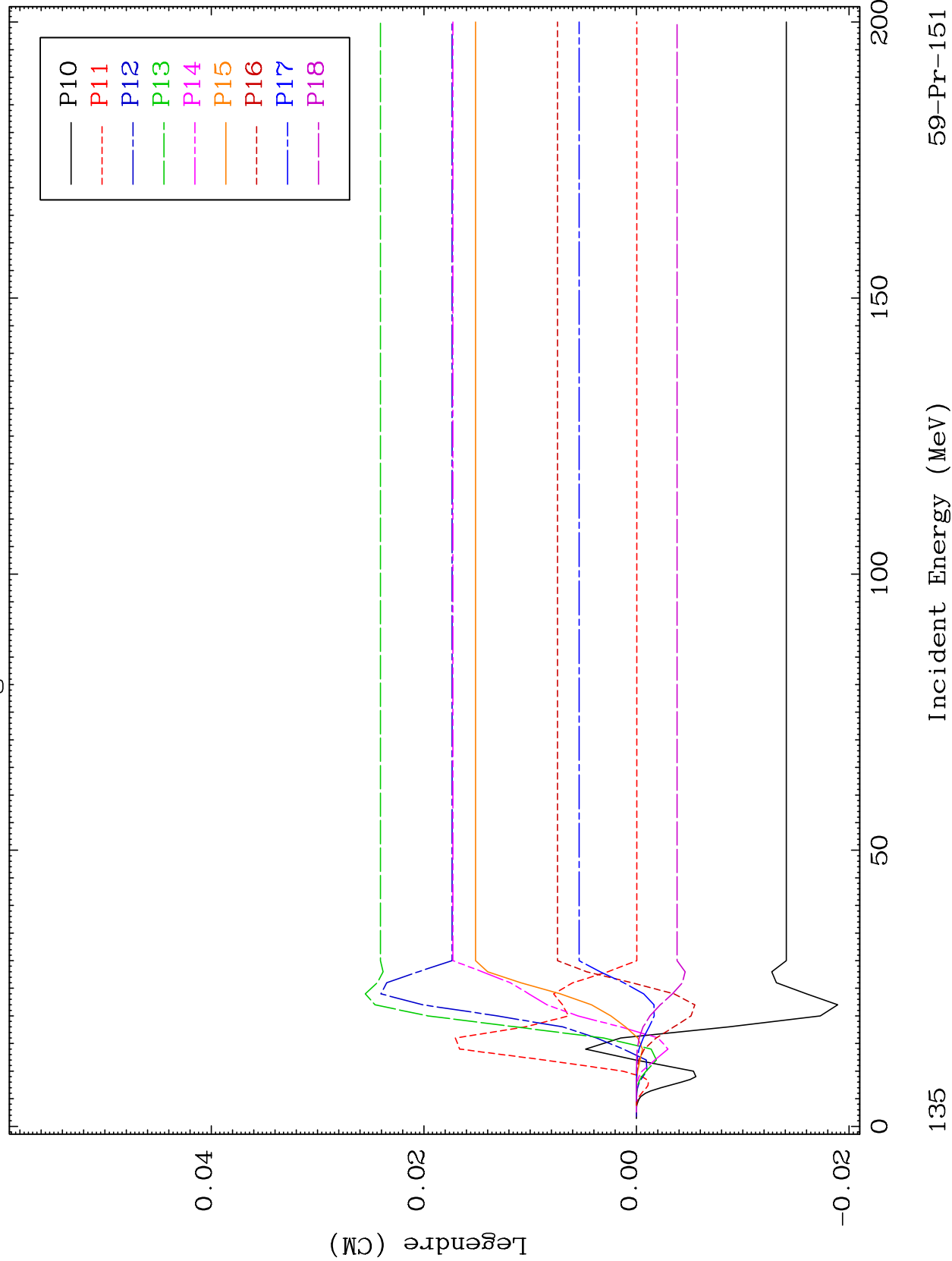
Incident Energy (MeV)

134

MAT 5955

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

59-Pr-151



59-Pr-151

Incident Energy (MeV)

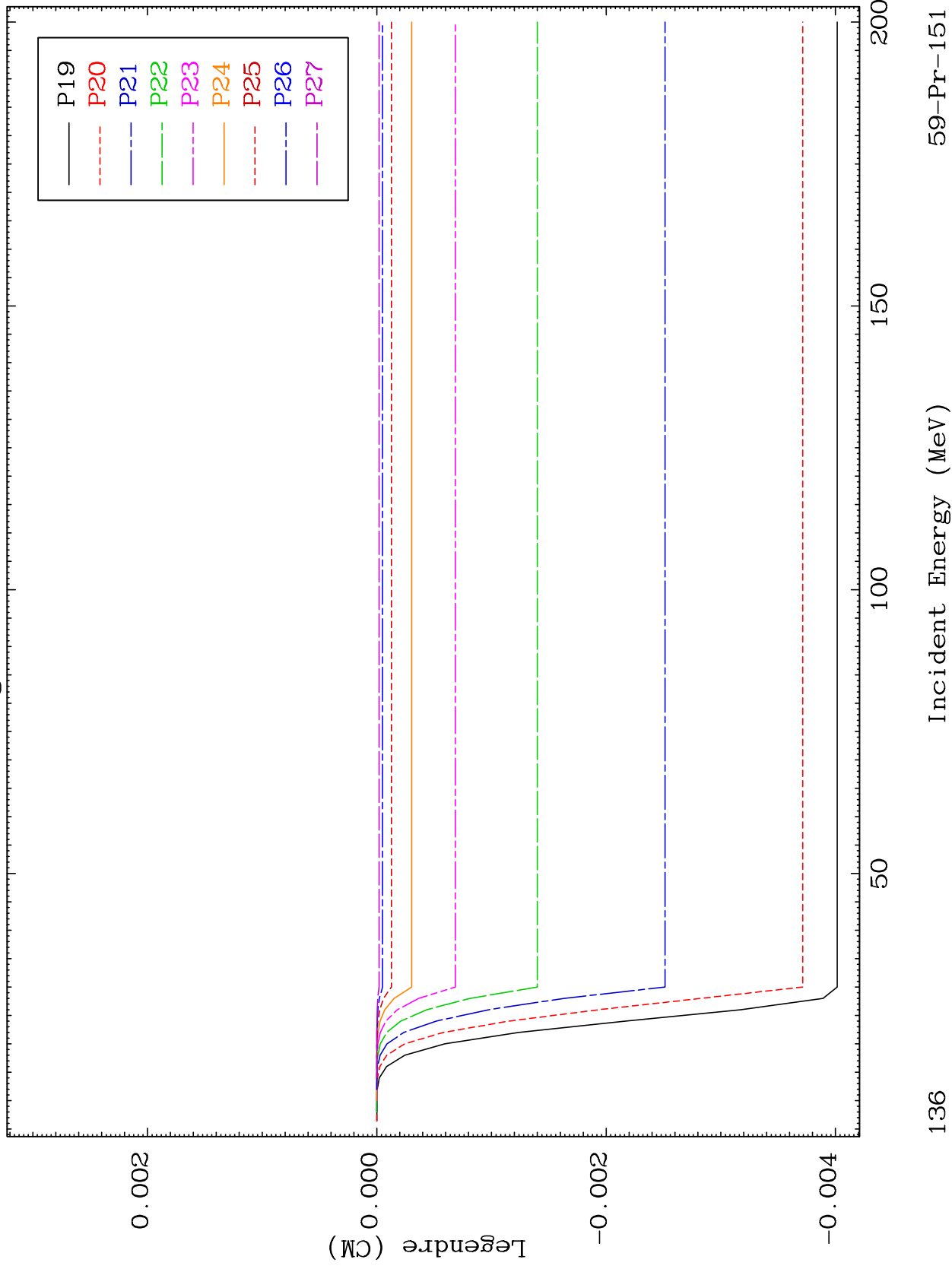
135



MAT 5955

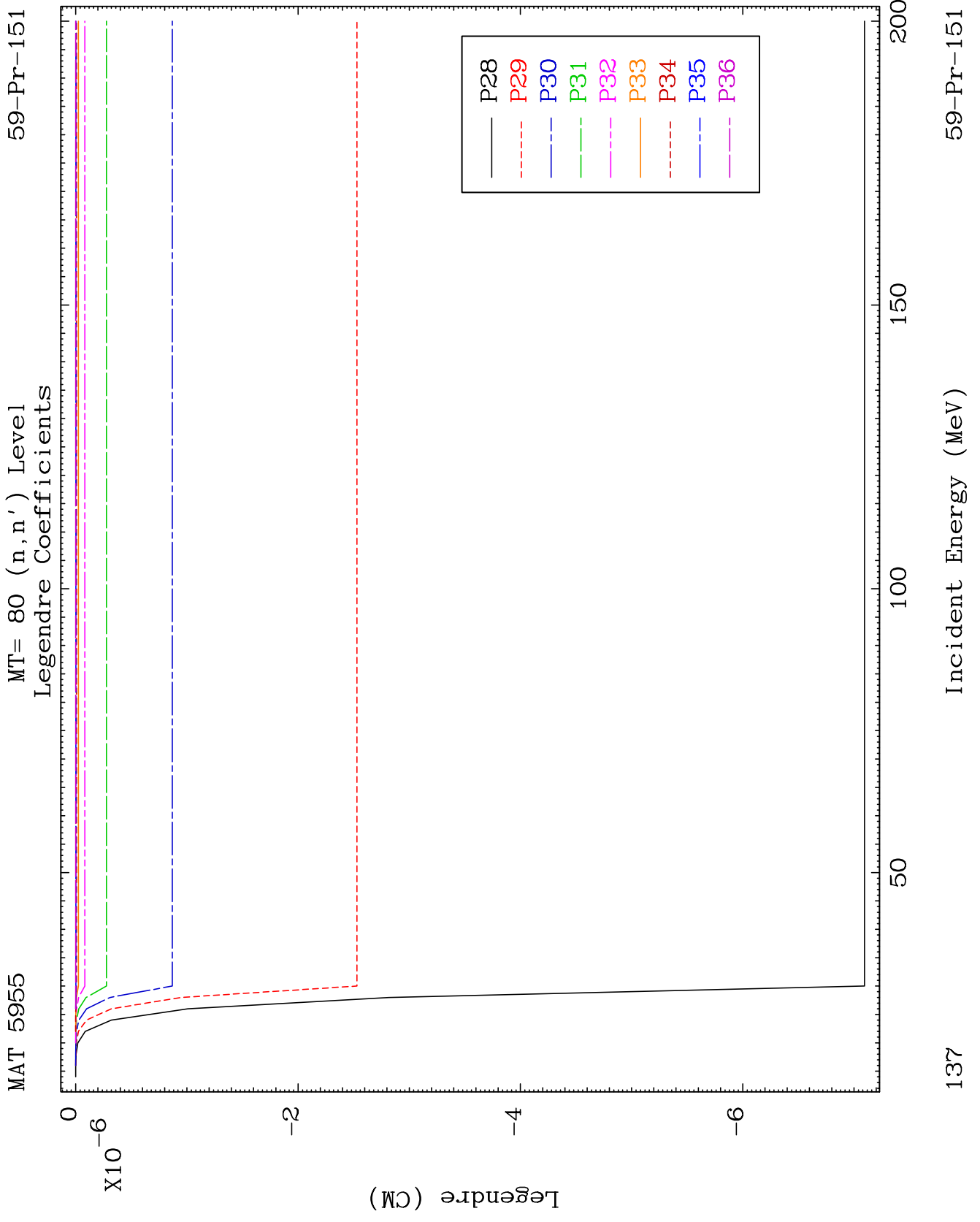
MT= 80 (n,n') Level  
Legendre Coefficients

59-Pr-151



136

59-Pr-151

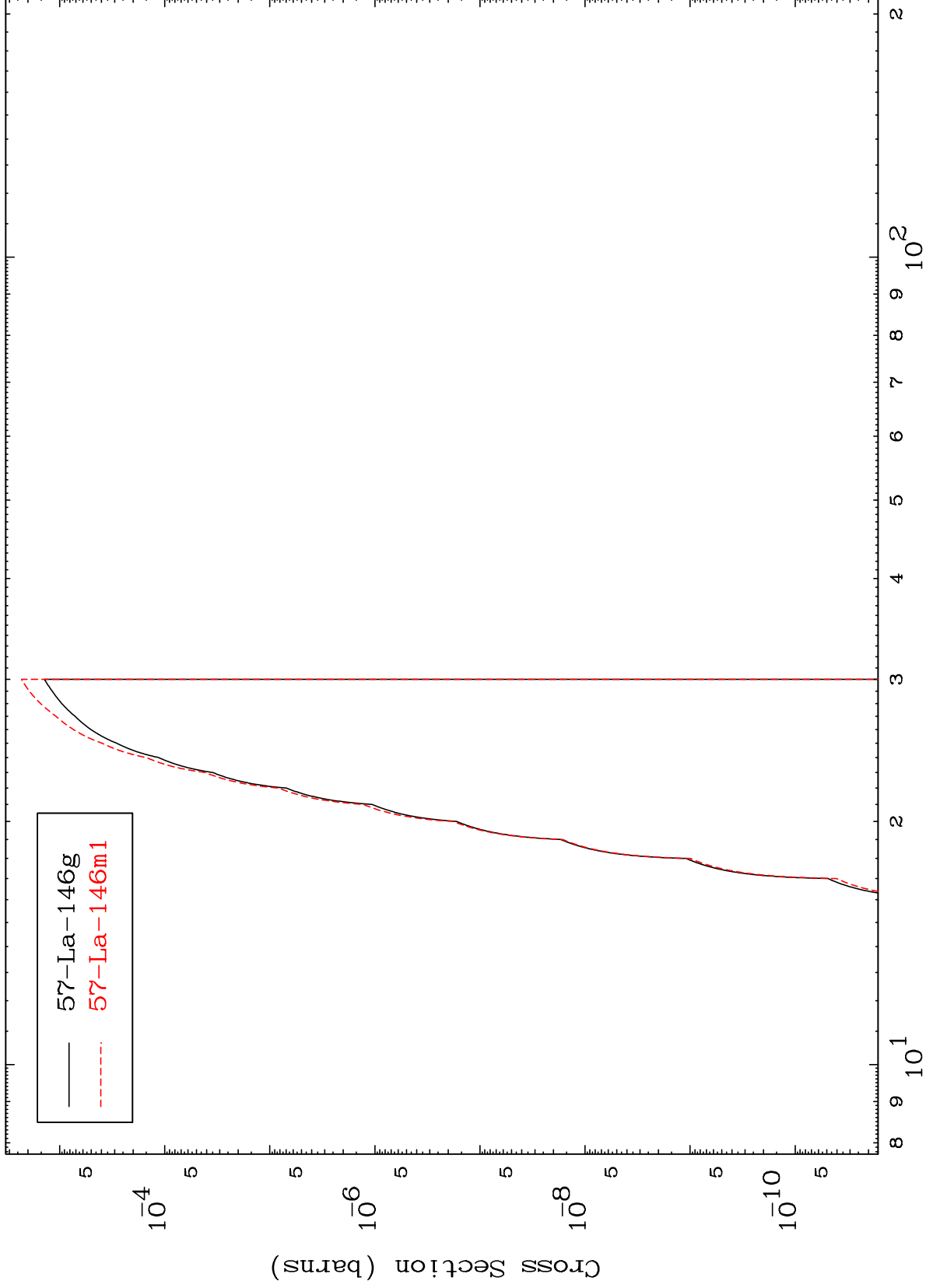


MAT 5955

(n,2n)  $\alpha$

59-Pr-151

Radionuclide Production Cross Section



138

Incident Energy (MeV)

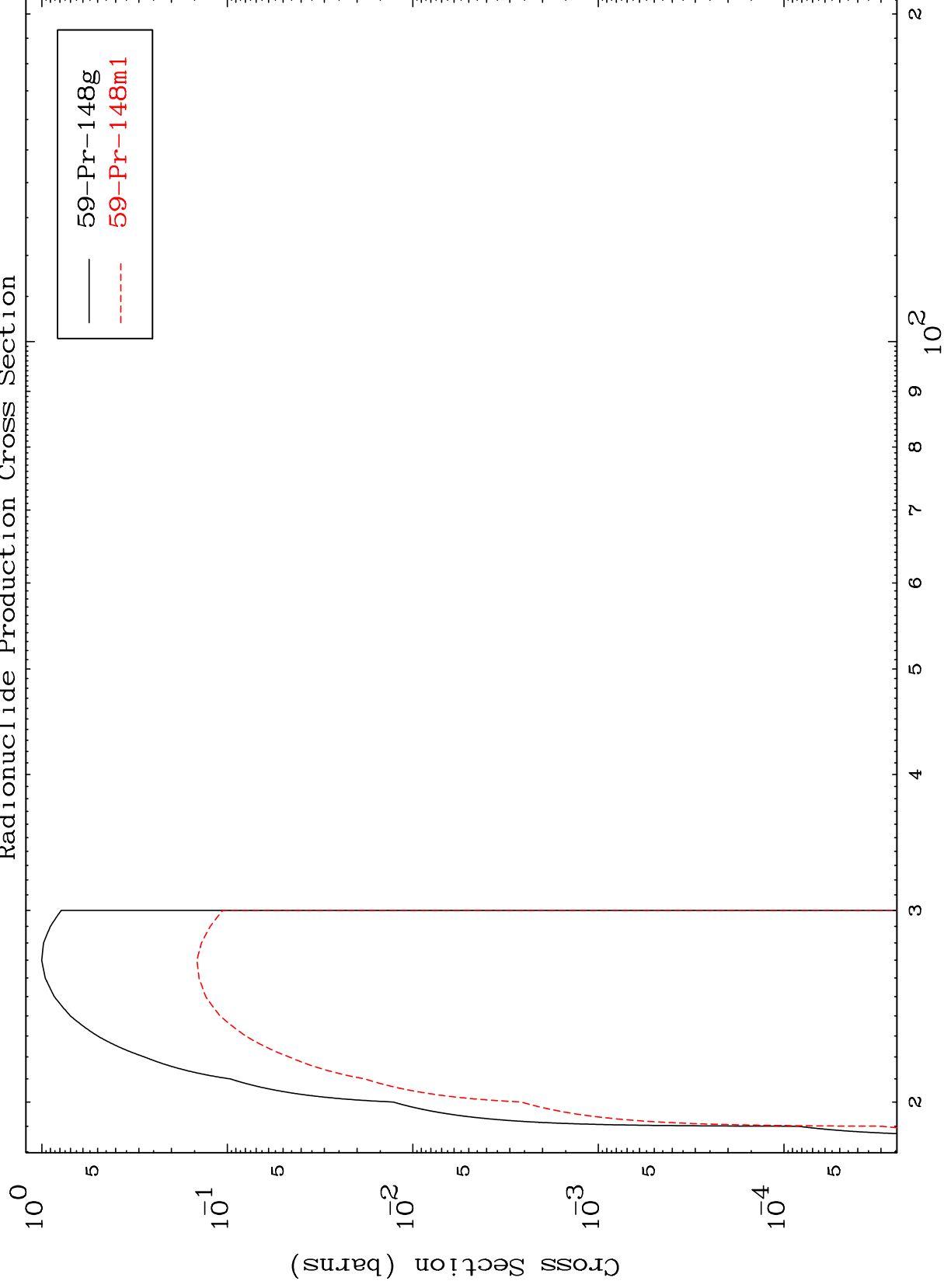
59-Pr-151

MAT 5955

(n,4n)

59-Pr-151

Radionuclide Production Cross Section



139

Incident Energy (MeV)

59-Pr-151