

Program EVALPLOT  
(Version 2021-1)

by

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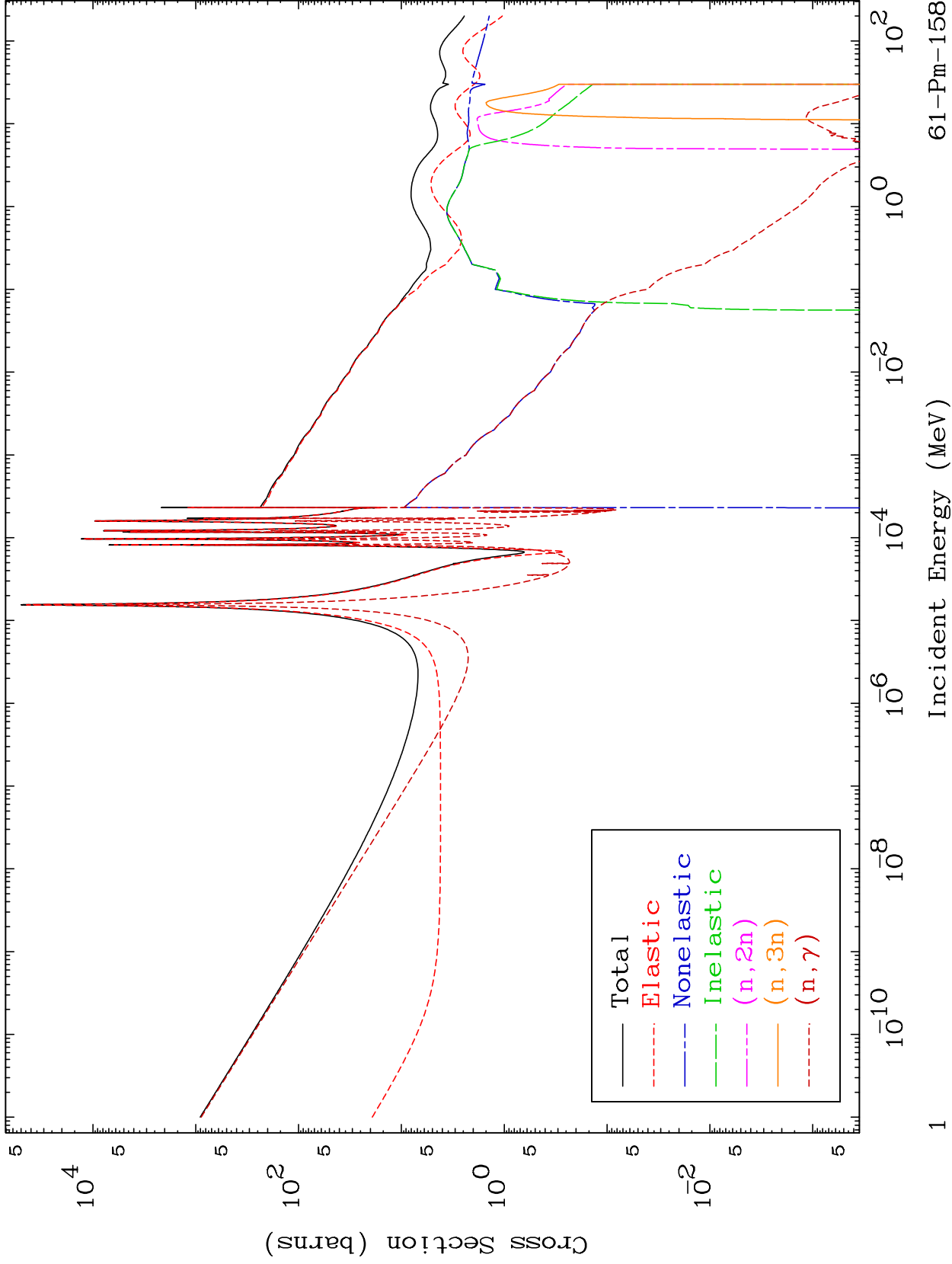
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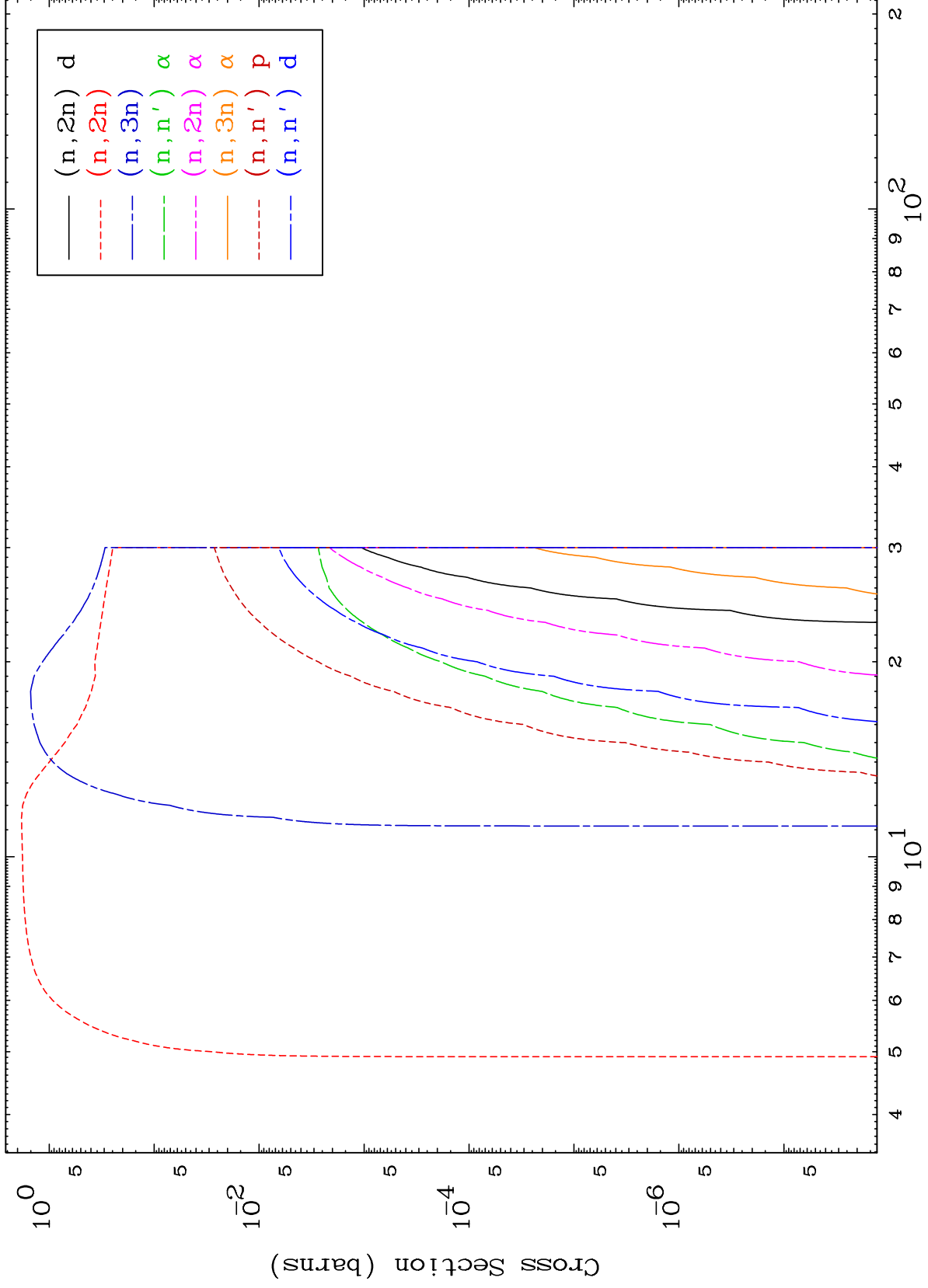
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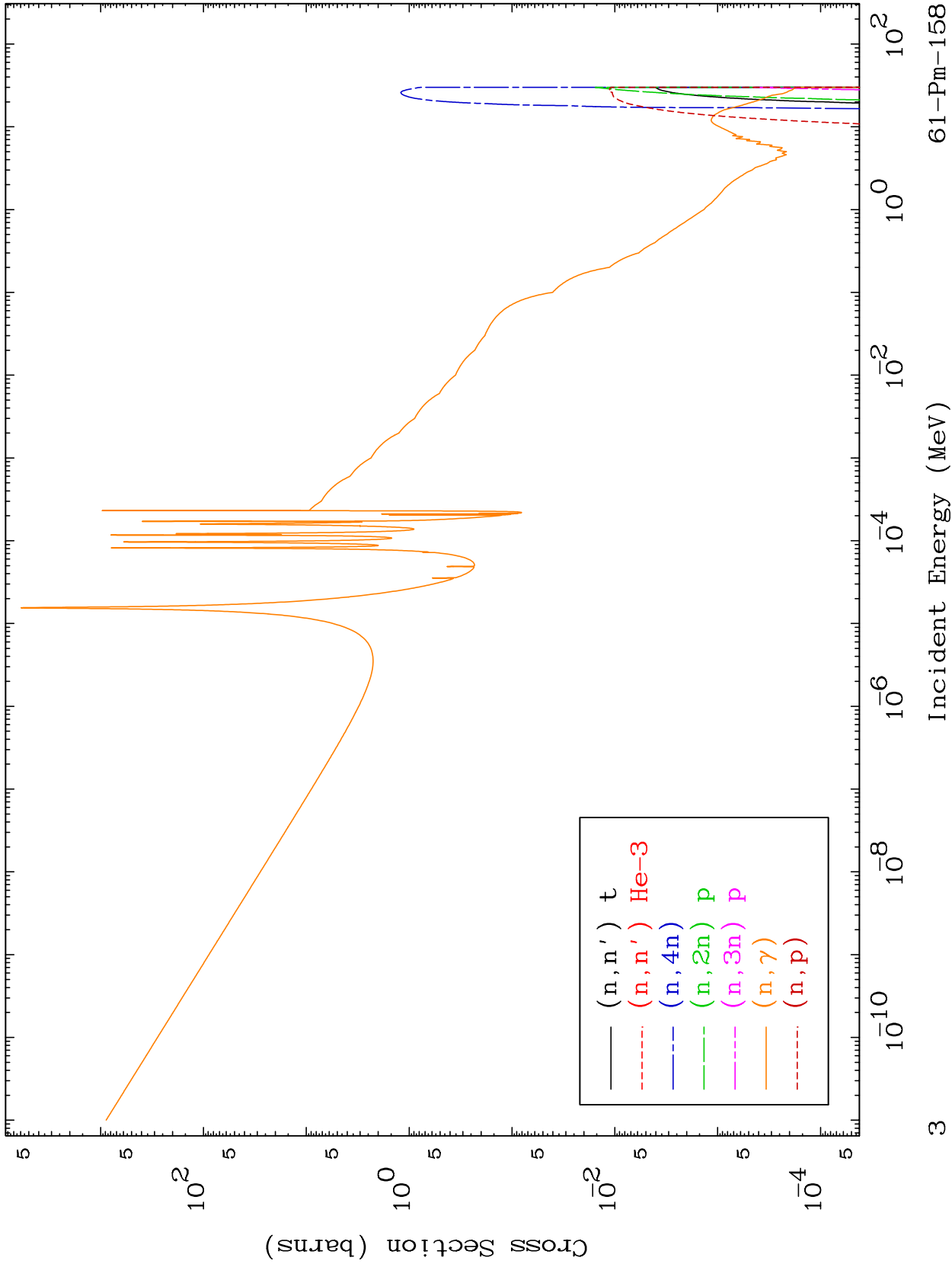
MAT 6182

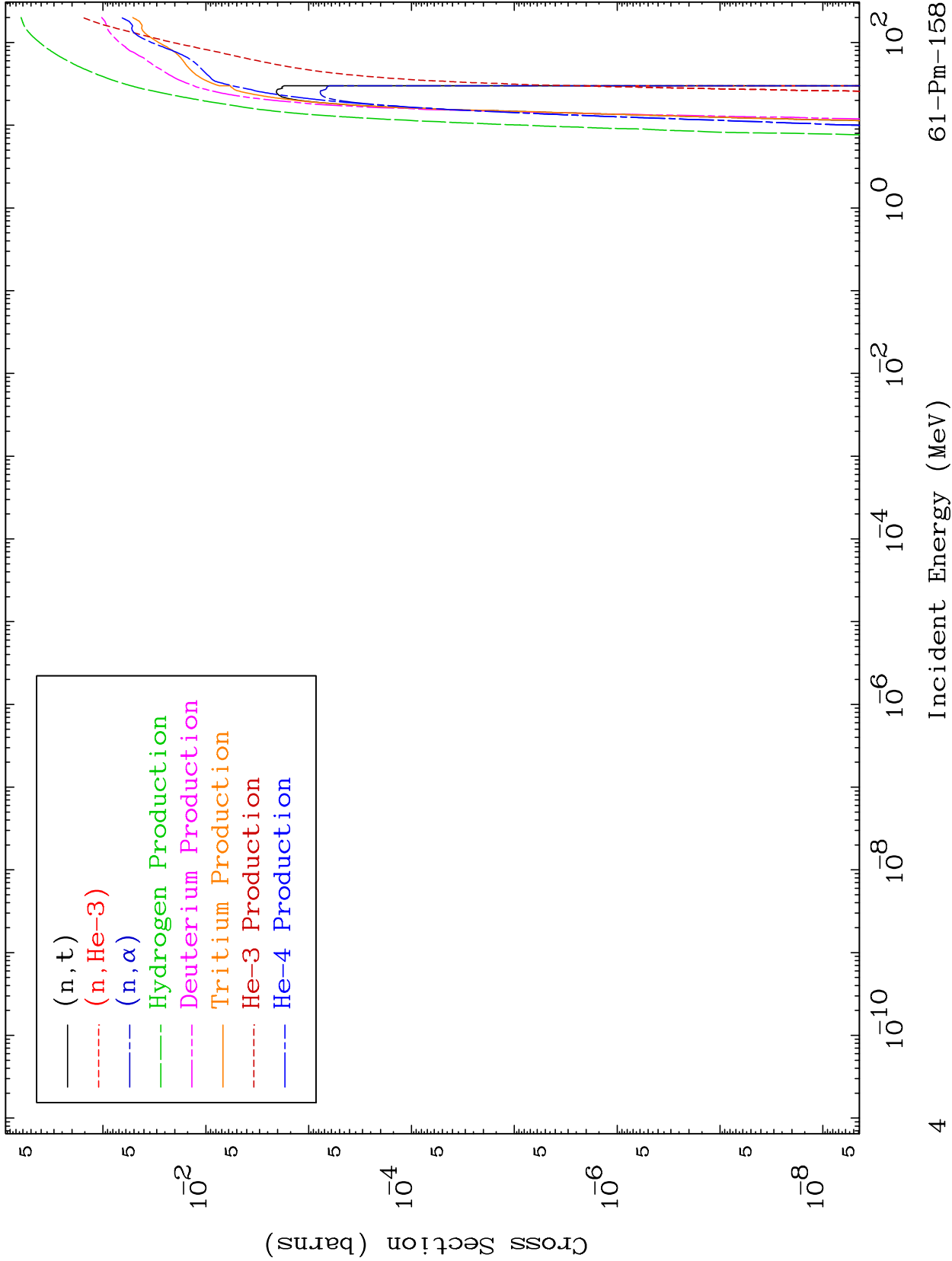
Neutron Major  
293 Kelvin Cross Sections

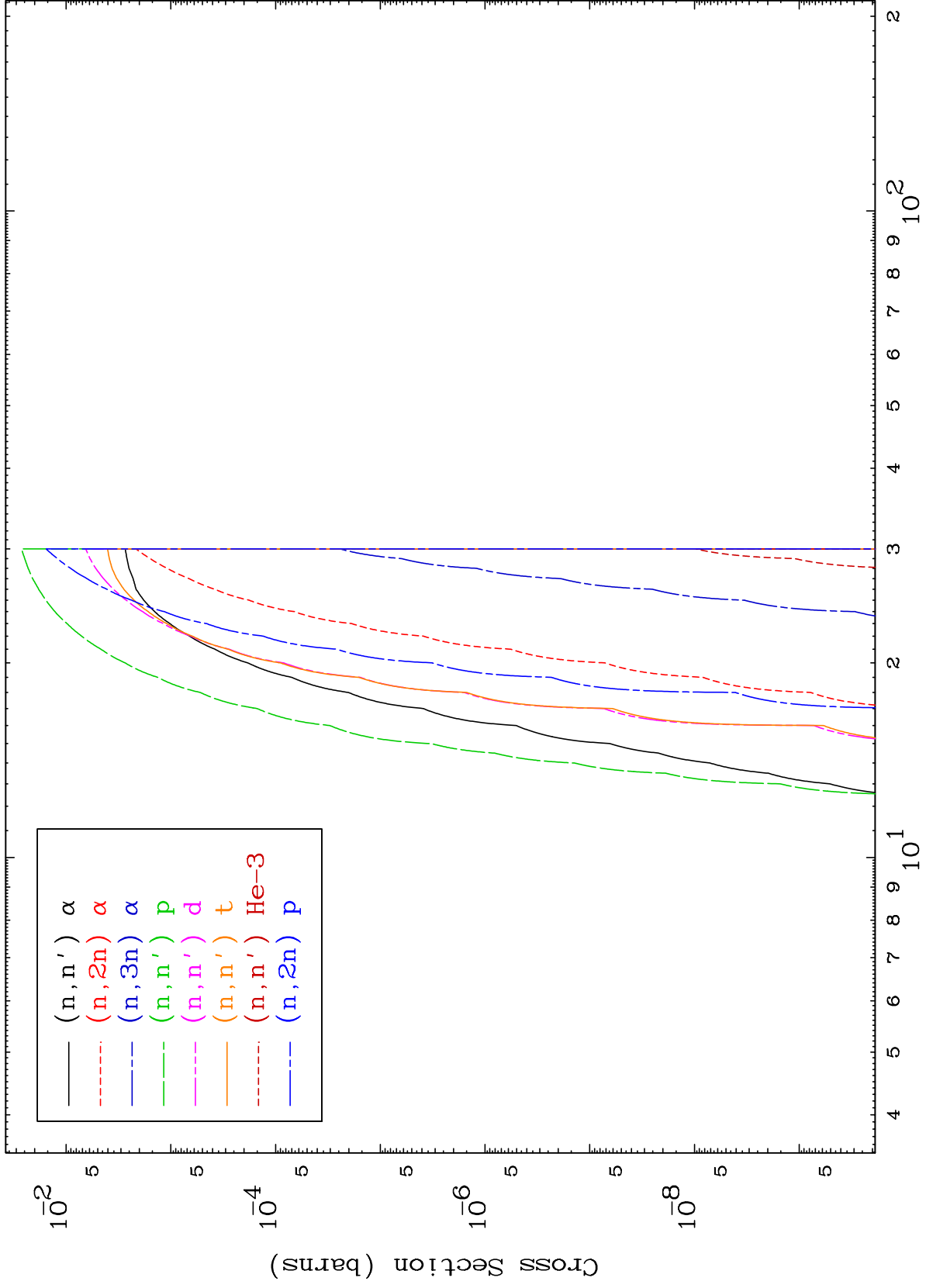
61-Pm-158







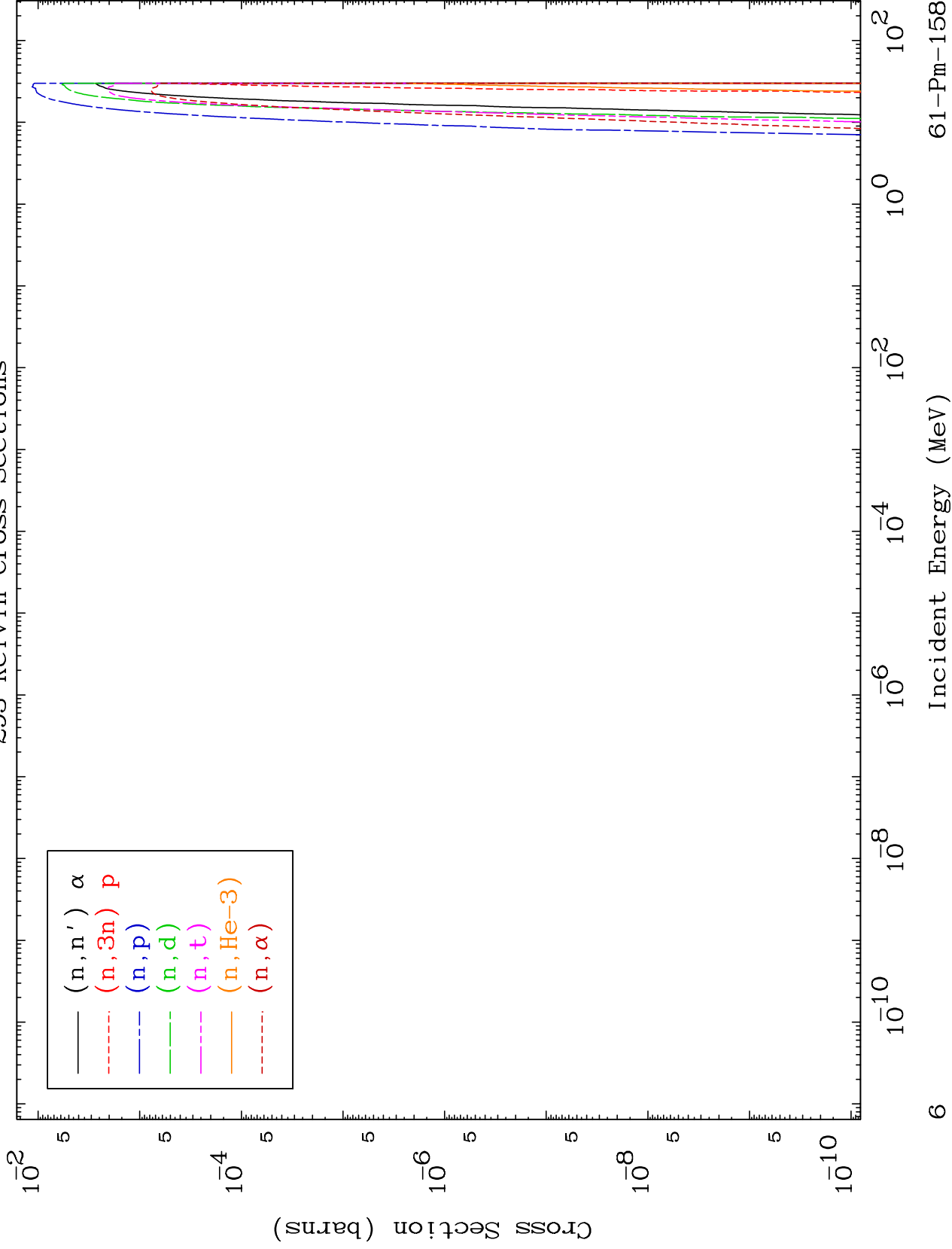




MAT 6182

Charged Particle  
293 Kelvin Cross Sections

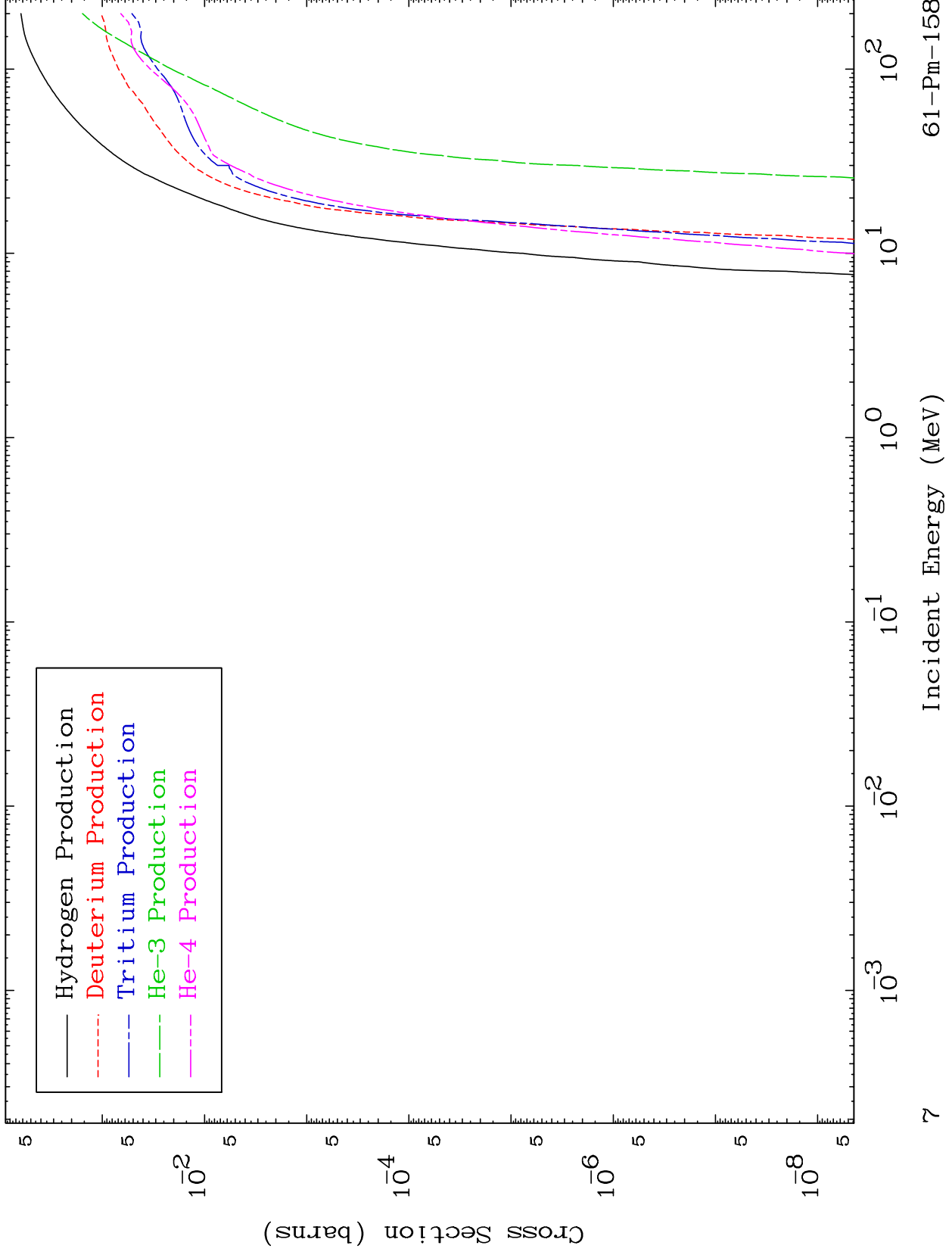
61-Pm-158



MAT 6182

Particle Production  
293 Kelvin Cross Sections

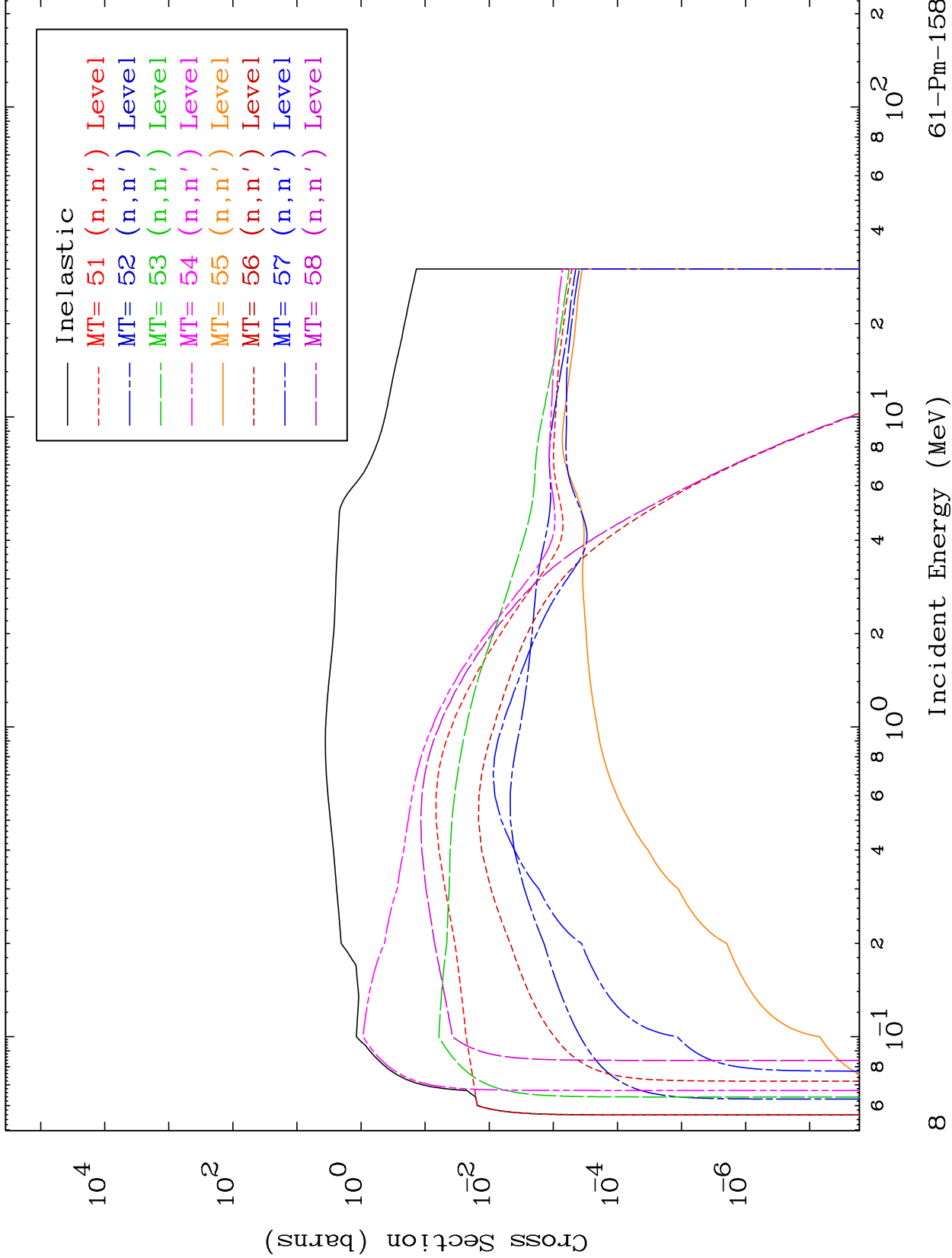
61-Pm-158



MAT 6182

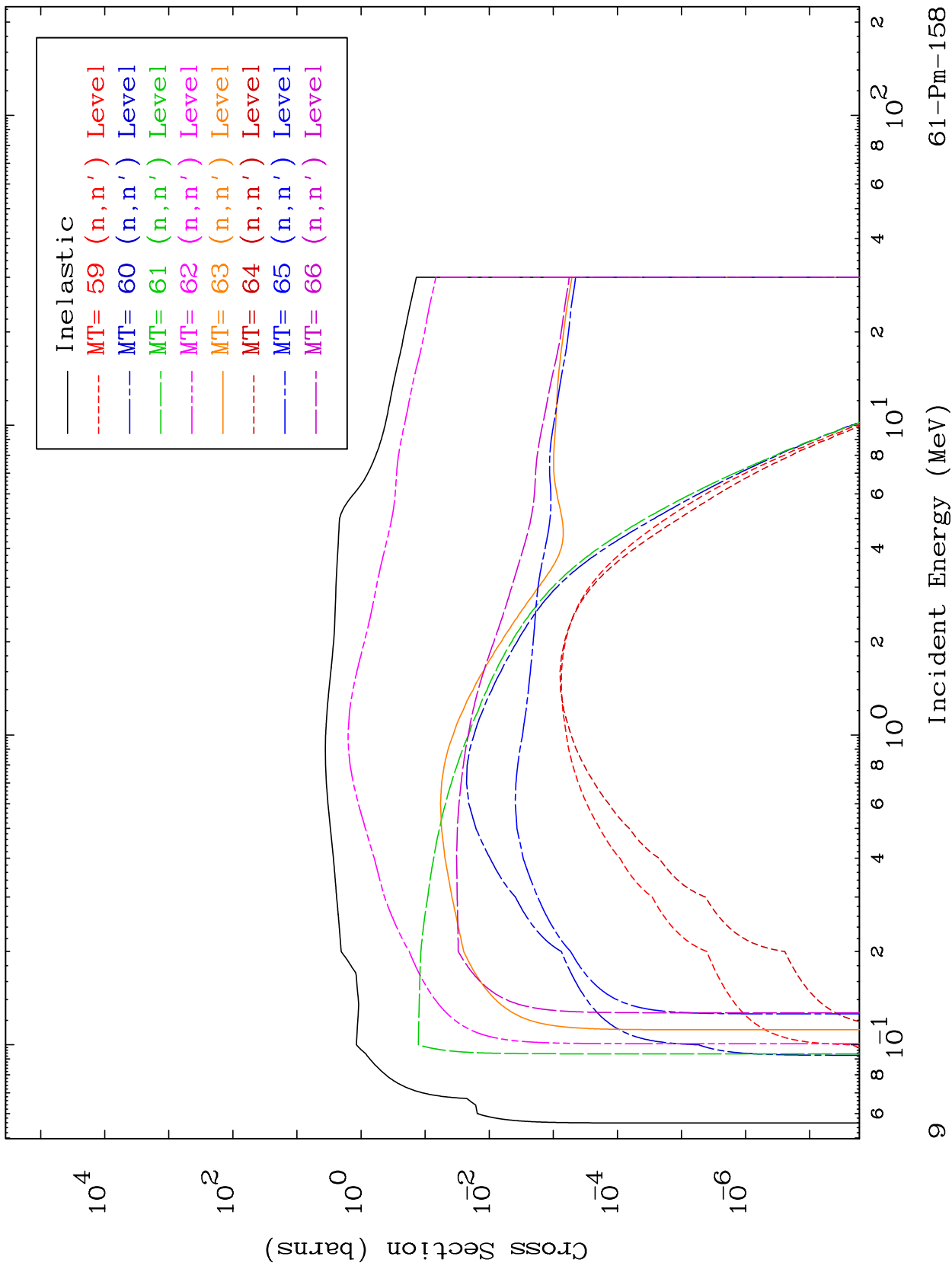
(n,n') Levels  
293 Kelvin Cross Sections

61-Pm-158



8

61-Pm-158

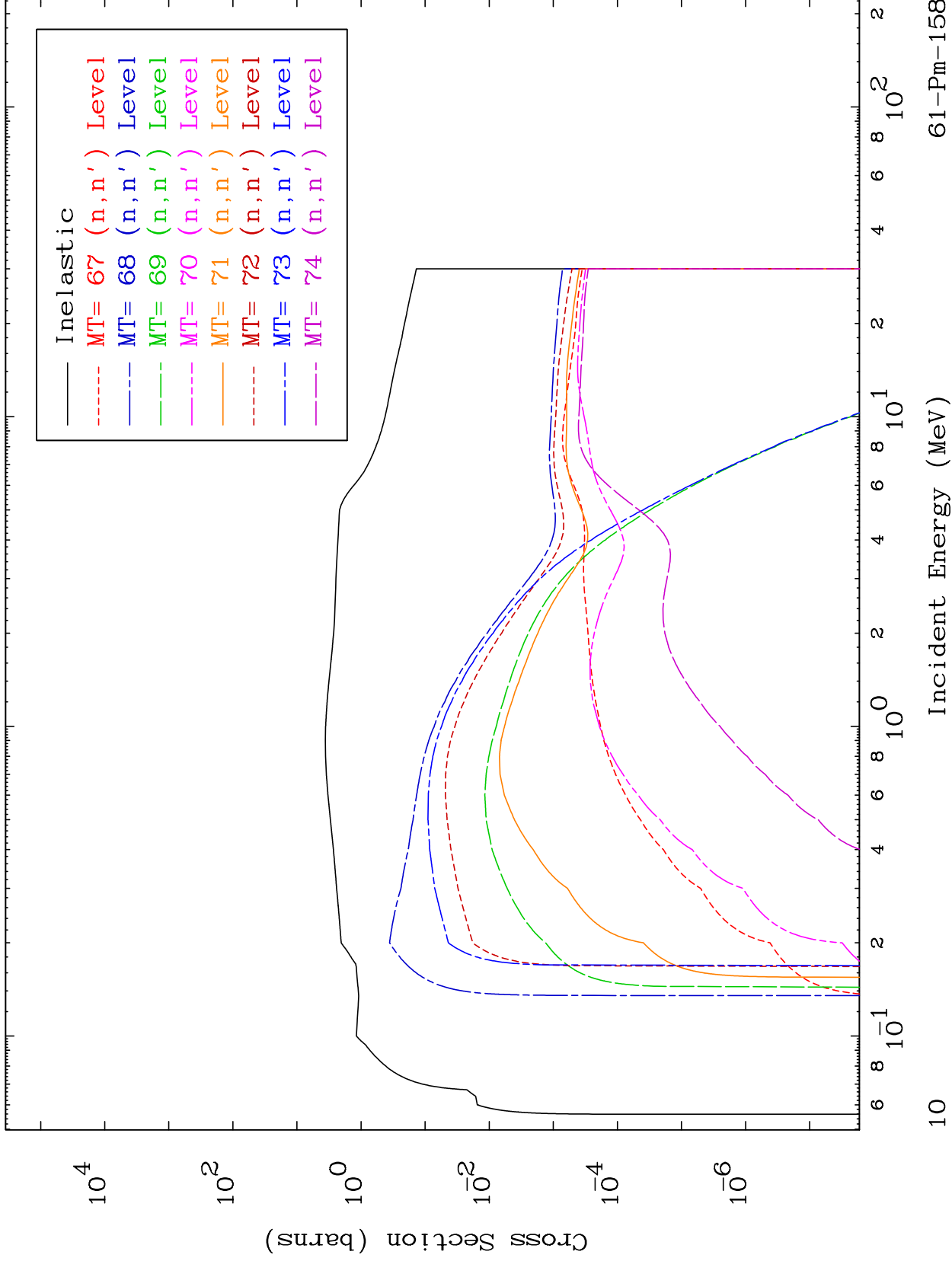


MAT 6182

(n,n') Levels

293 Kelvin Cross Sections

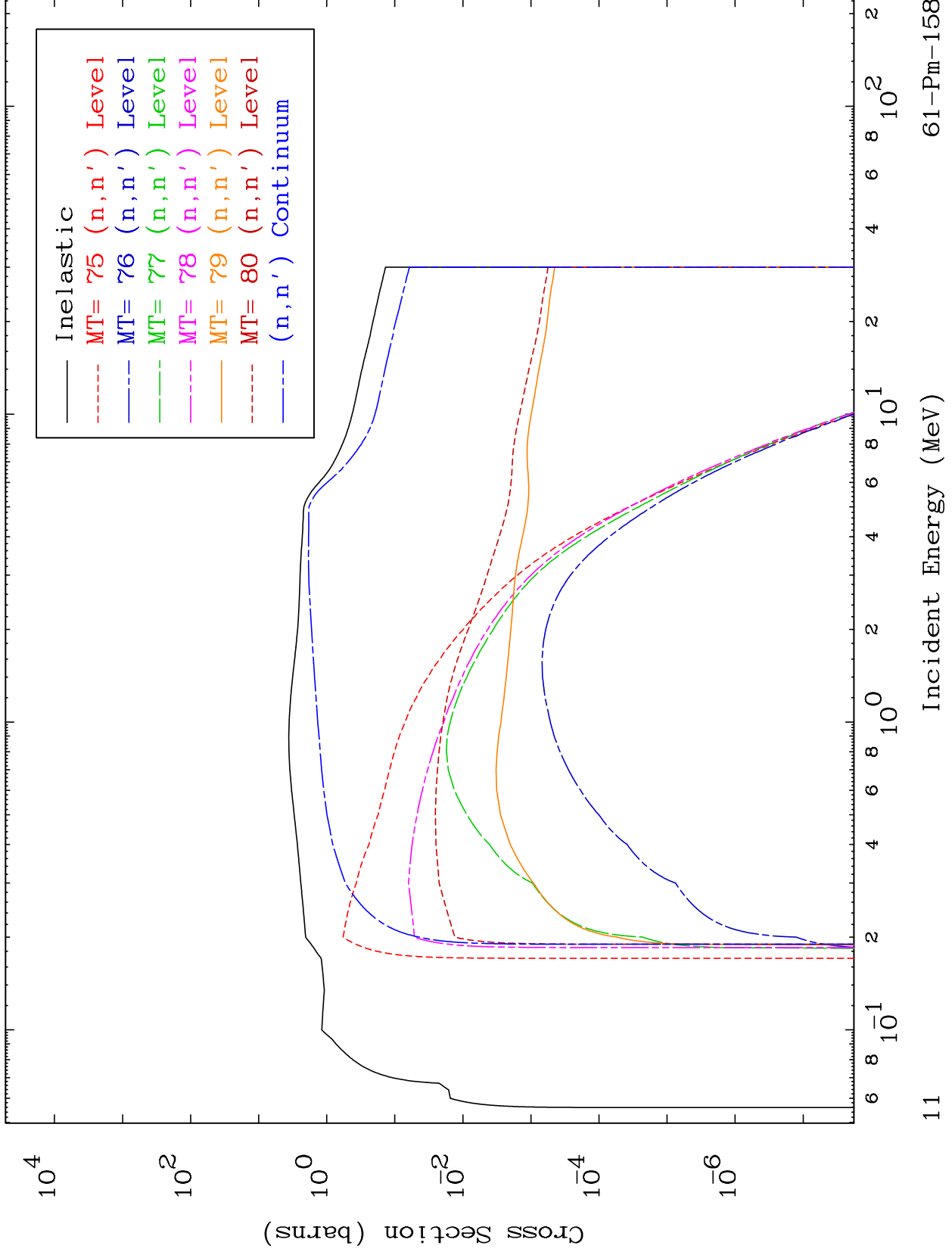
61-Pm-158



61-Pm-158

Incident Energy (MeV)

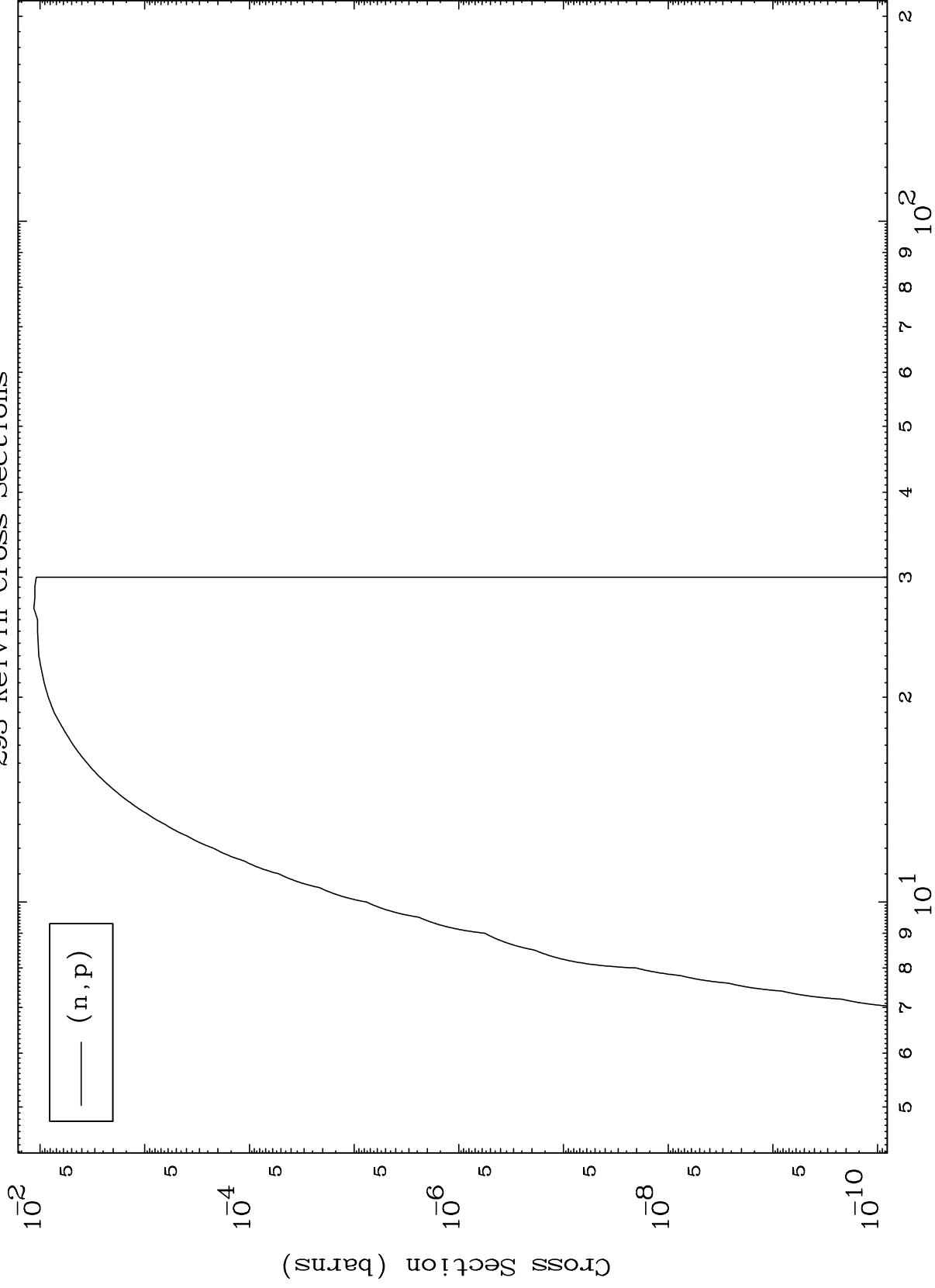
10



MAT 6182

(n,p) Levels  
293 Kelvin Cross Sections

61-Pm-158



12

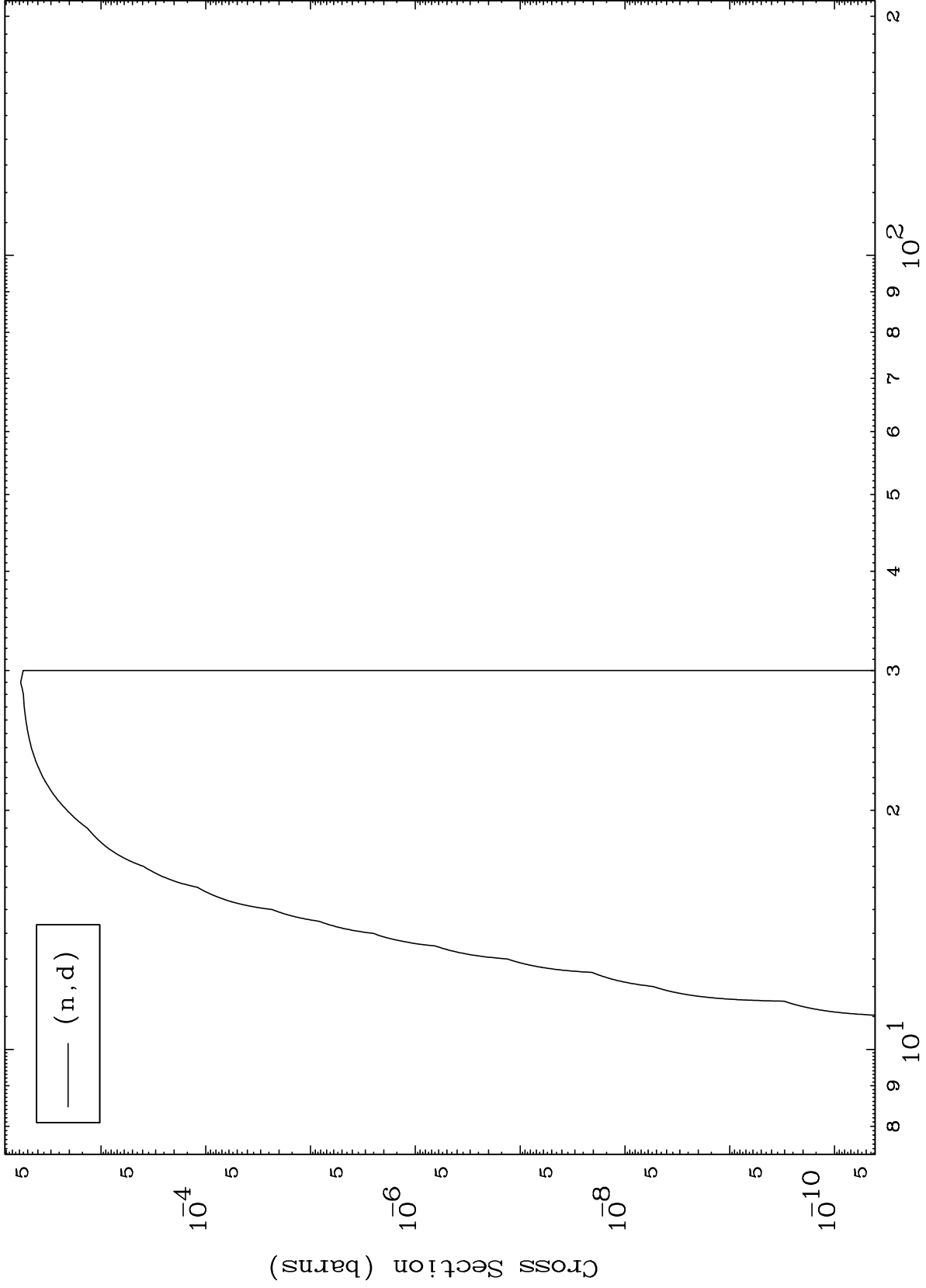
Incident Energy (MeV)

61-Pm-158

MAT 6182

(n,d) Levels  
293 Kelvin Cross Sections

61-Pm-158



13

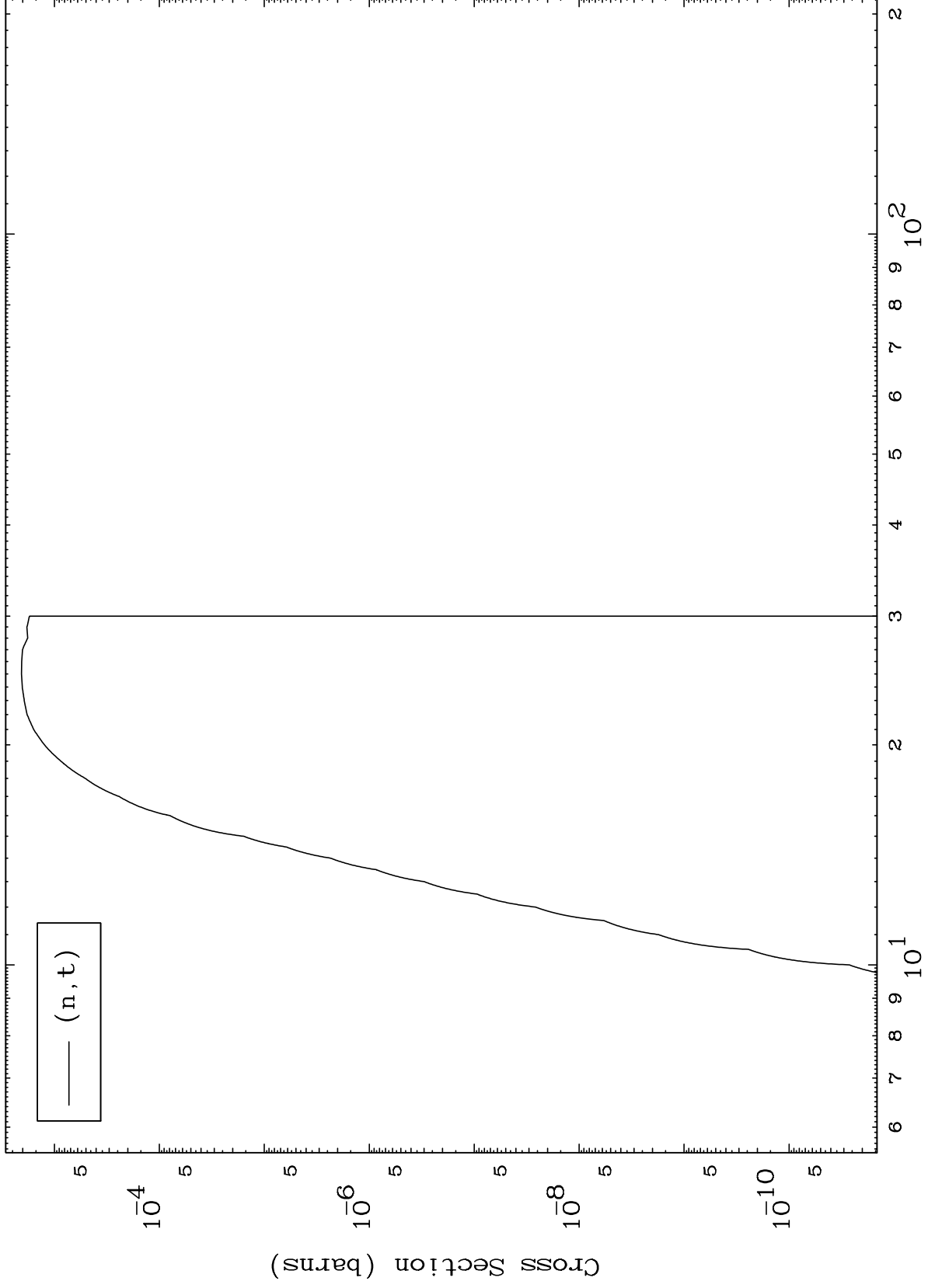
Incident Energy (MeV)

61-Pm-158

MAT 6182

(n, t) Levels  
293 Kelvin Cross Sections

61-Pm-158



14

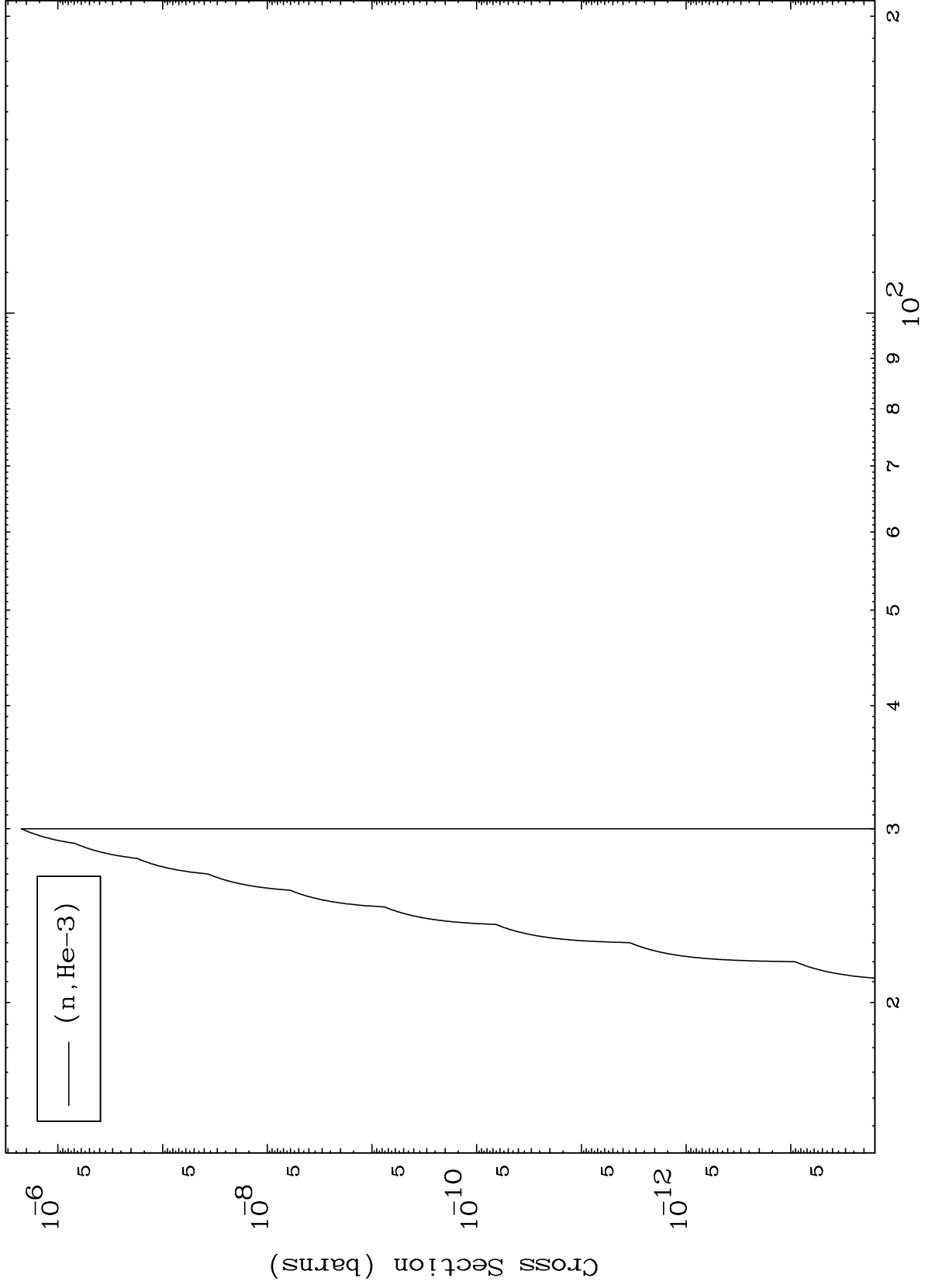
Incident Energy (MeV)

61-Pm-158

MAT 6182

(n,He3) Levels  
293 Kelvin Cross Sections

61-Pm-158



15

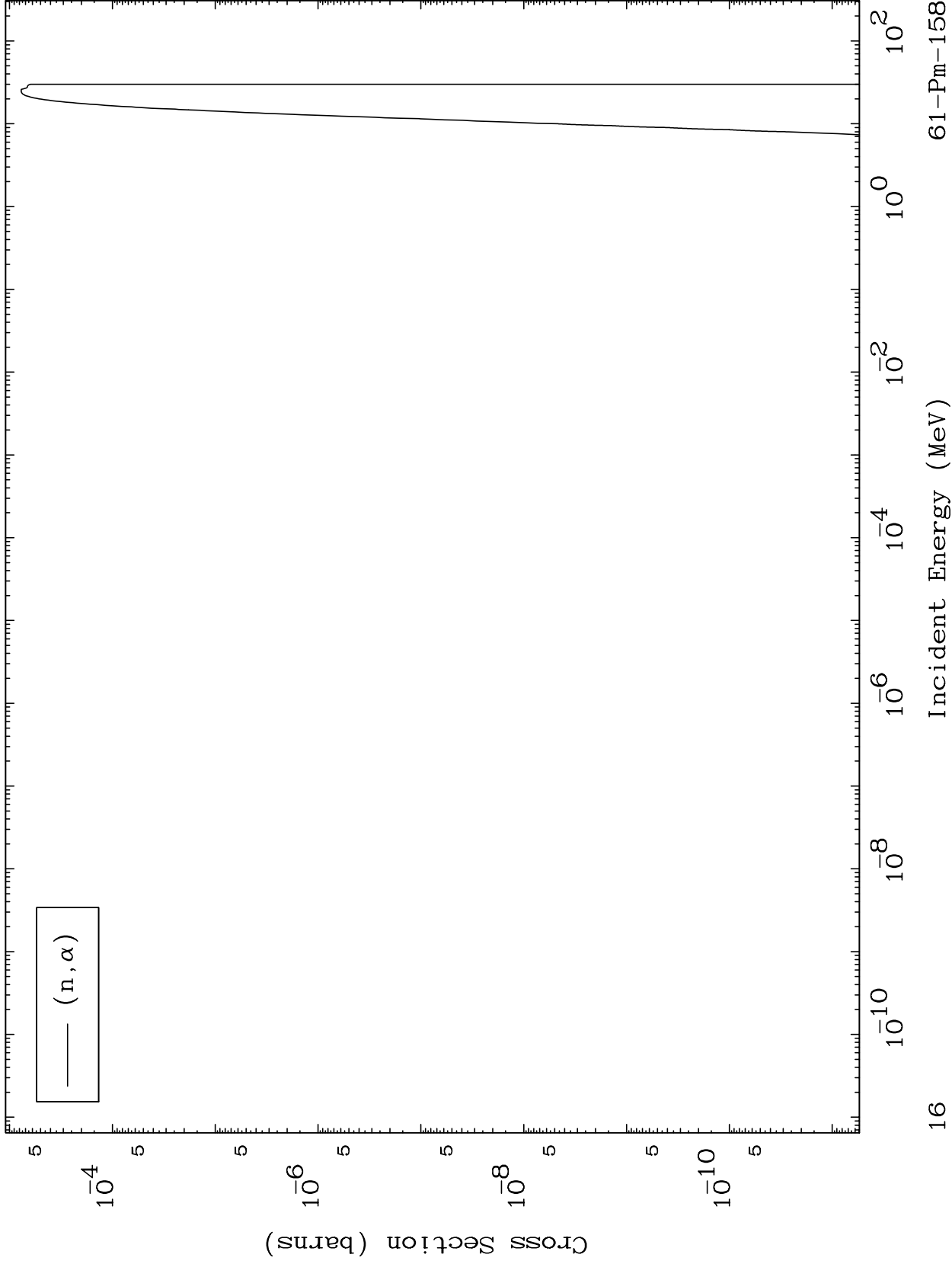
Incident Energy (MeV)

61-Pm-158

MAT 6182

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

61-Pm-158



16

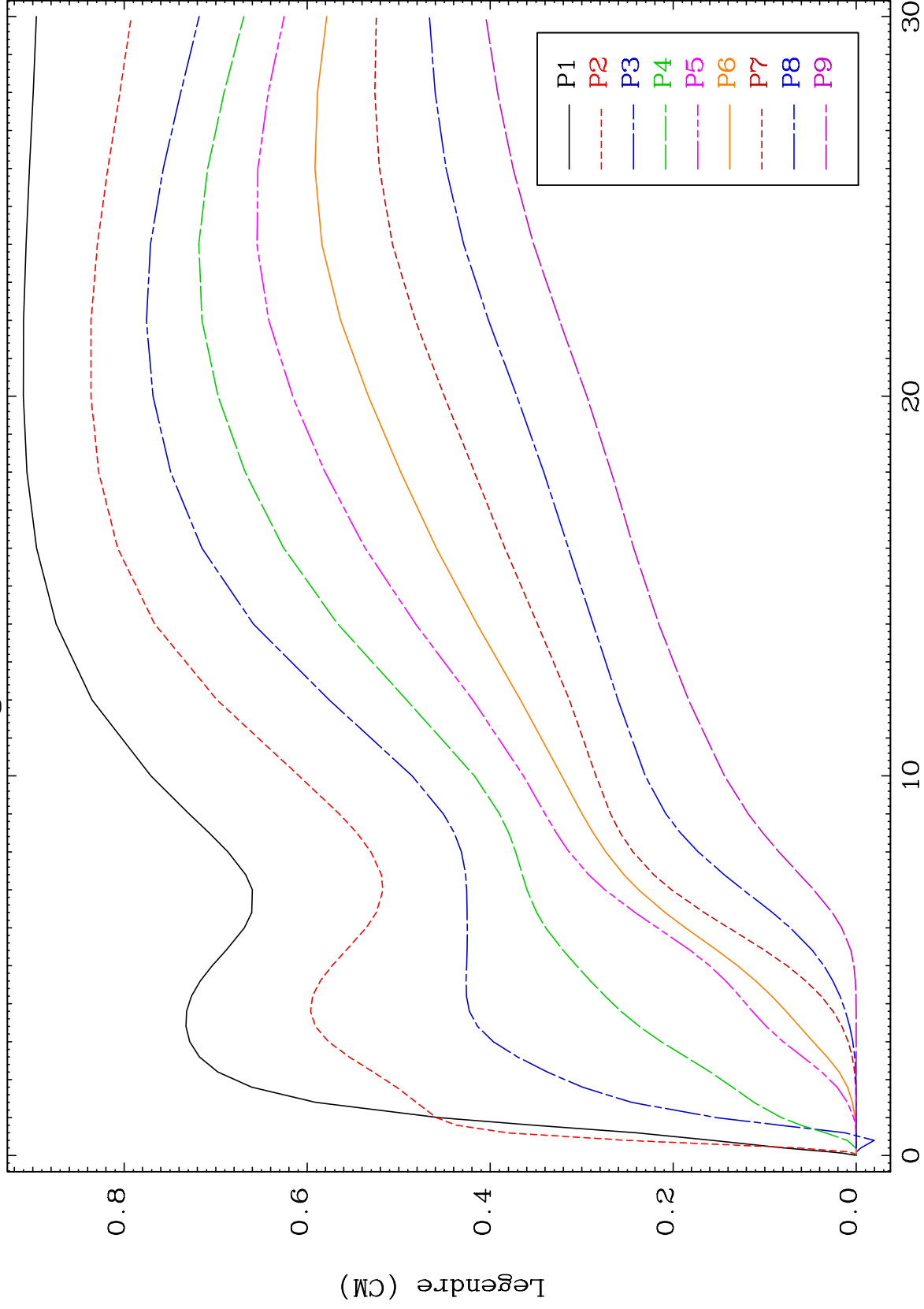
Incident Energy (MeV)

61-Pm-158

MAT 6182

Elastic Legendre Coefficients

61-Pm-158



17

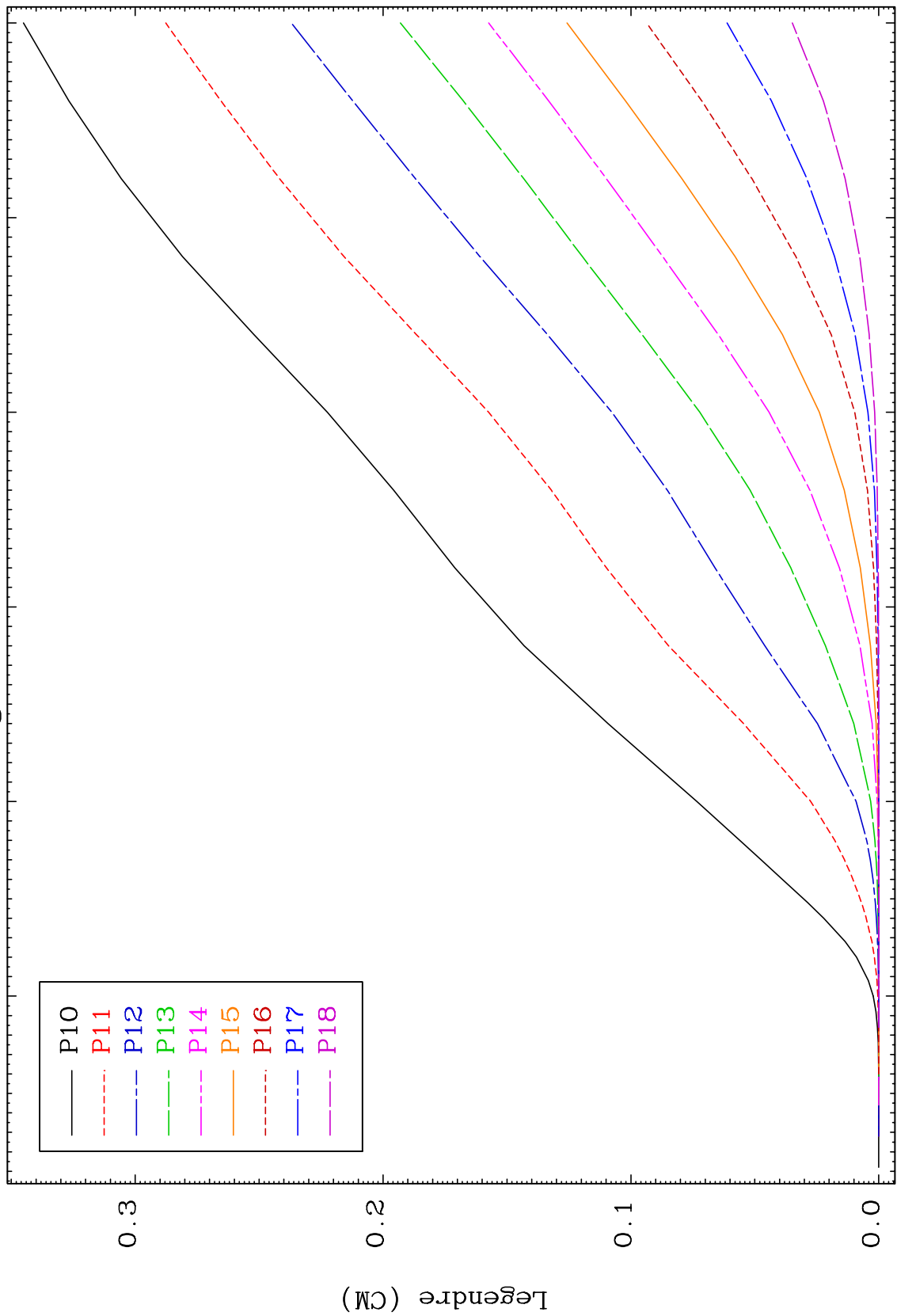
Incident Energy (MeV)

61-Pm-158

MAT 6182

Elastic Legendre Coefficients

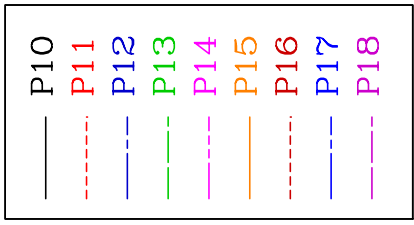
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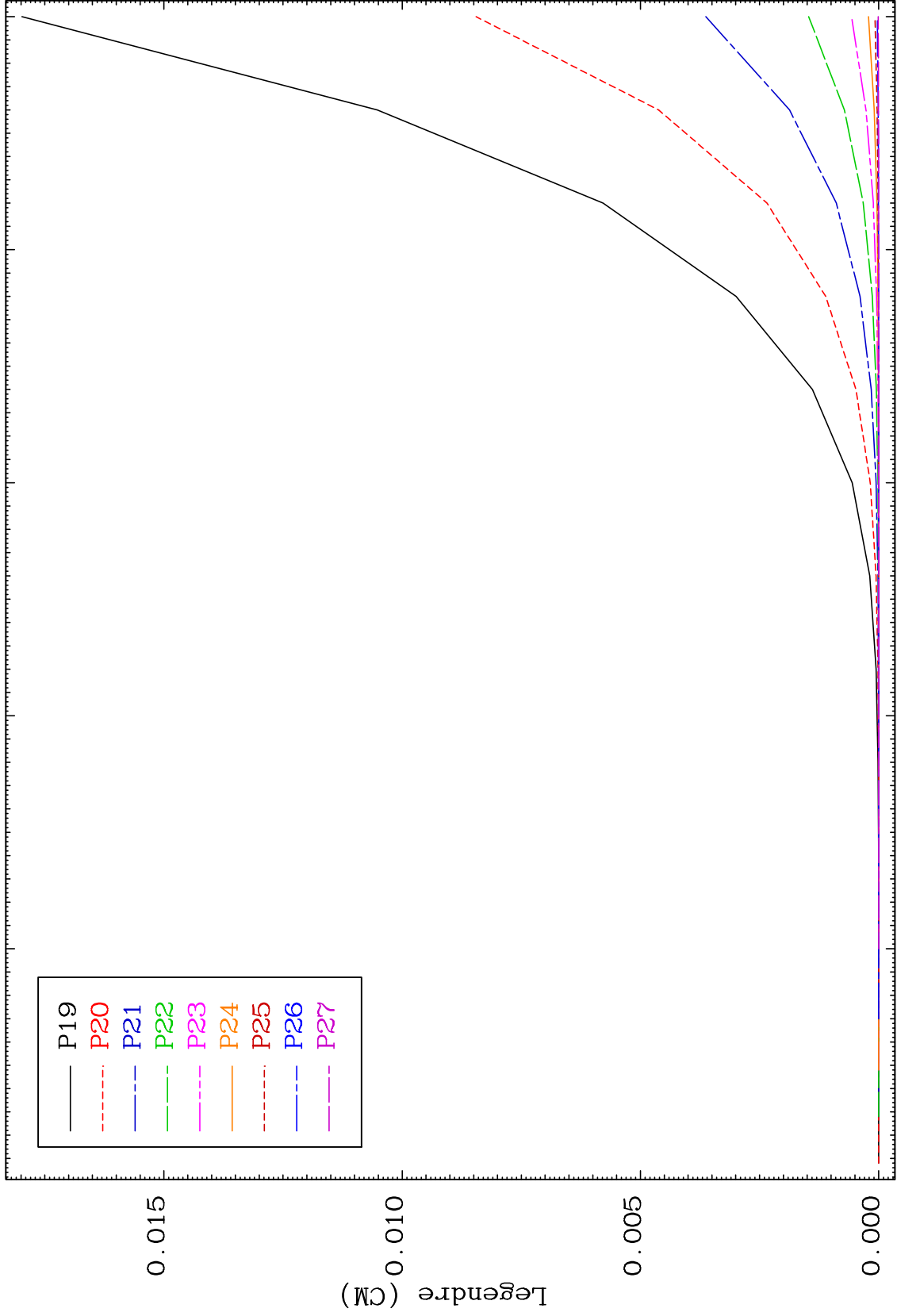
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Incident Energy (MeV)

61-Pm-158



Elastic Legendre Coefficients

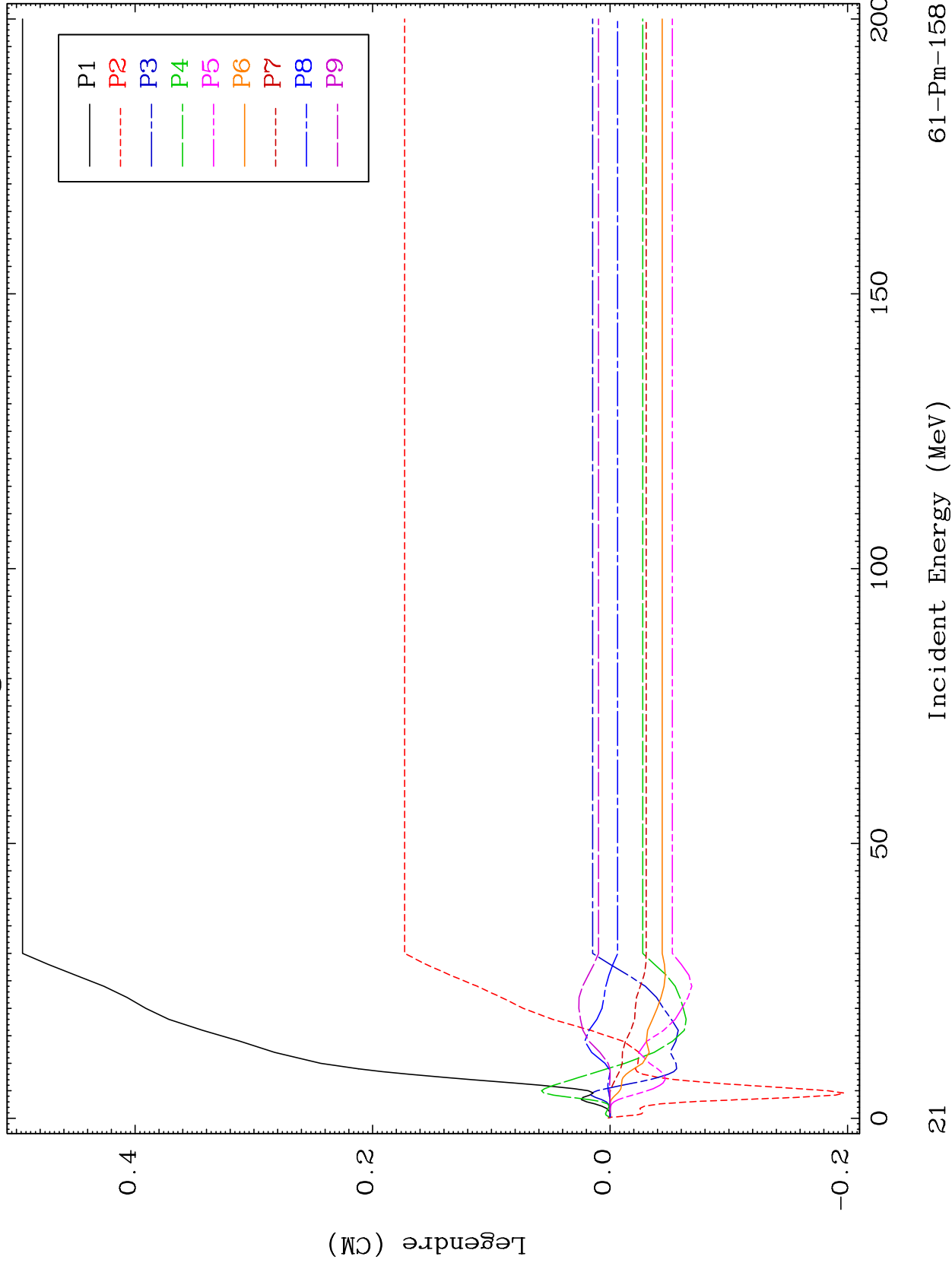




MAT 6182

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

61-Pm-158



61-Pm-158

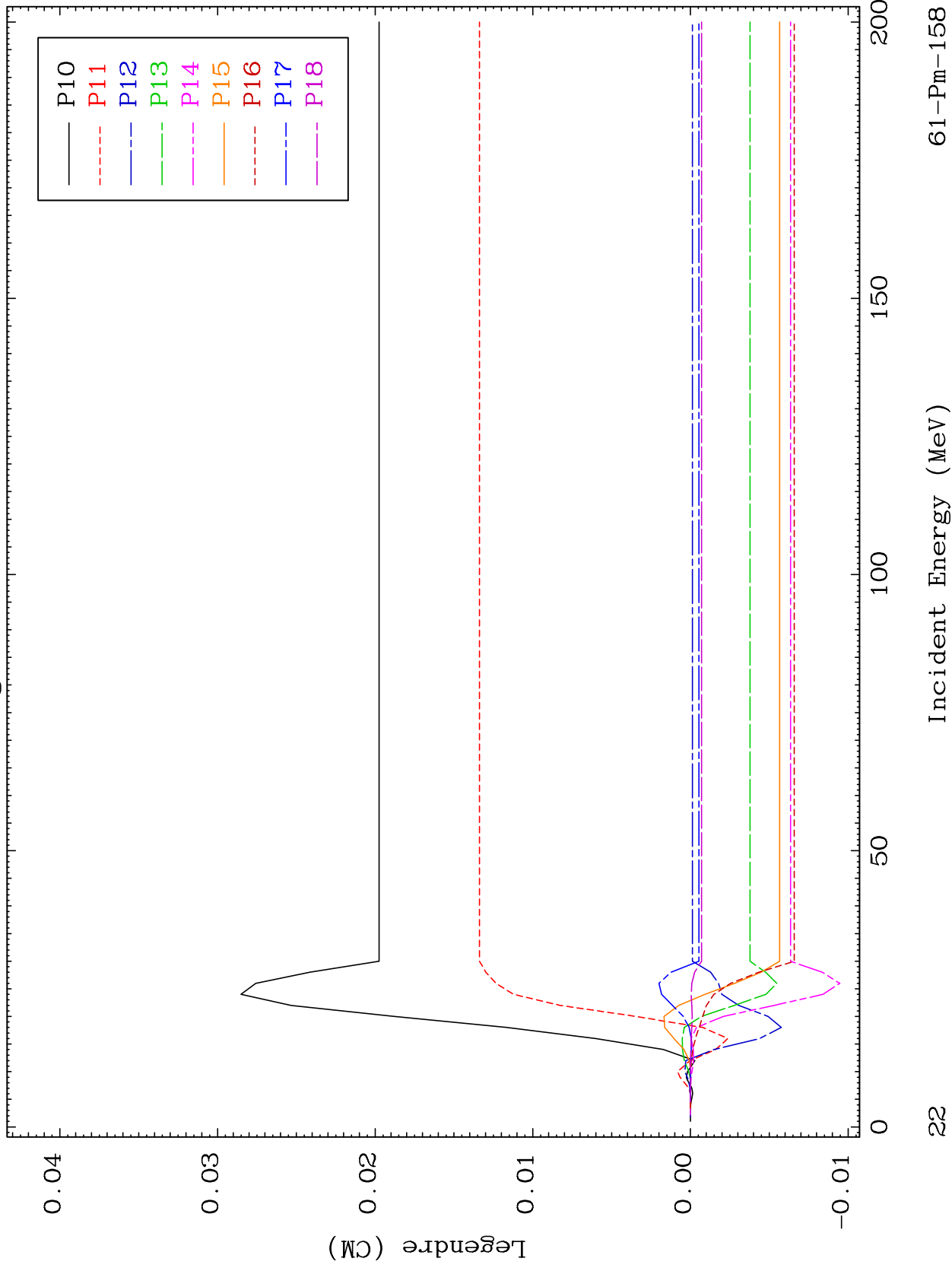
Incident Energy (MeV)

21

MAT 6182

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

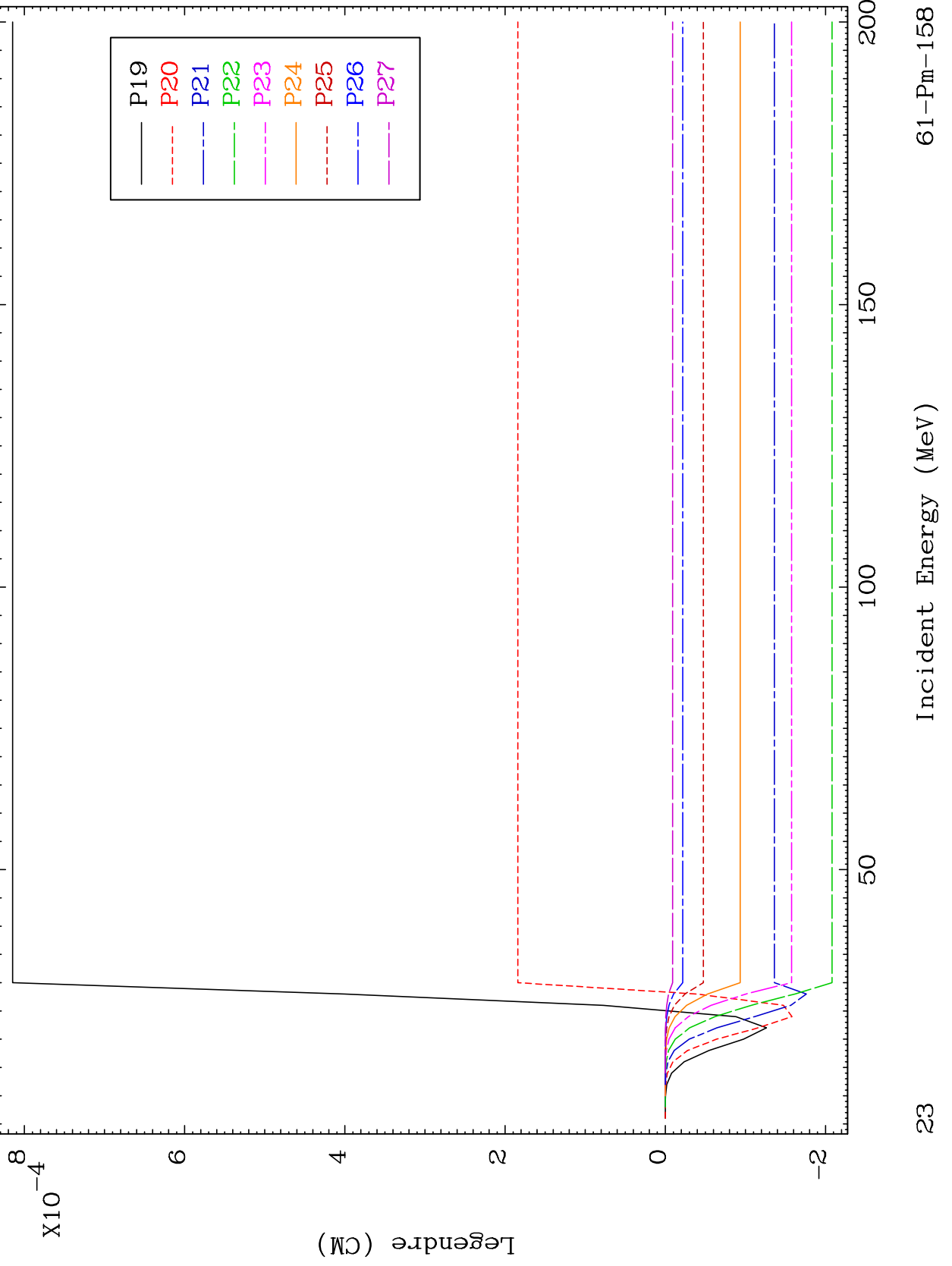
61-Pm-158



61-Pm-158

Incident Energy (MeV)

22

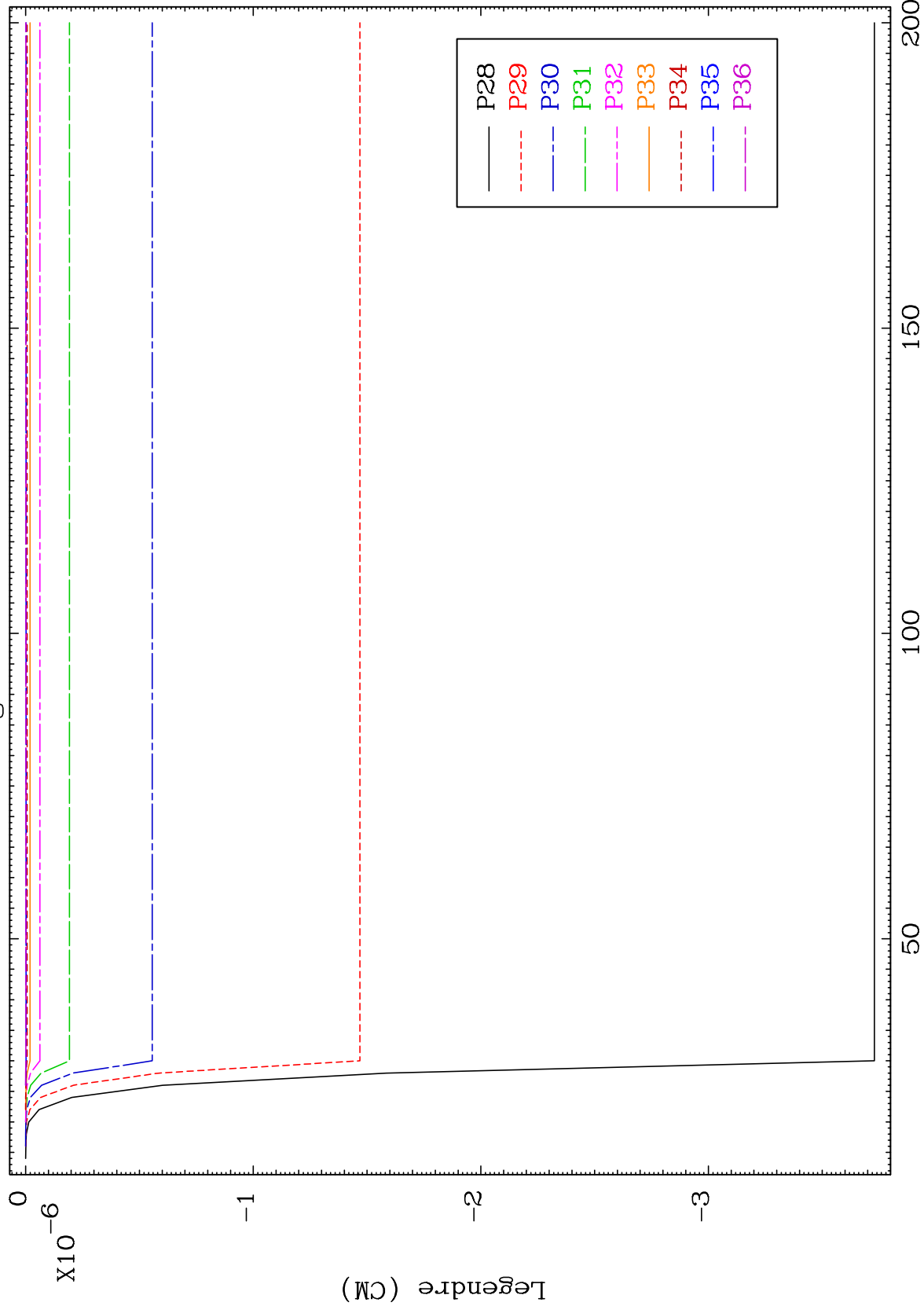


MAT 6182

MT= 51 (n,n') Level

61-Pm-158

Legendre Coefficients



61-Pm-158

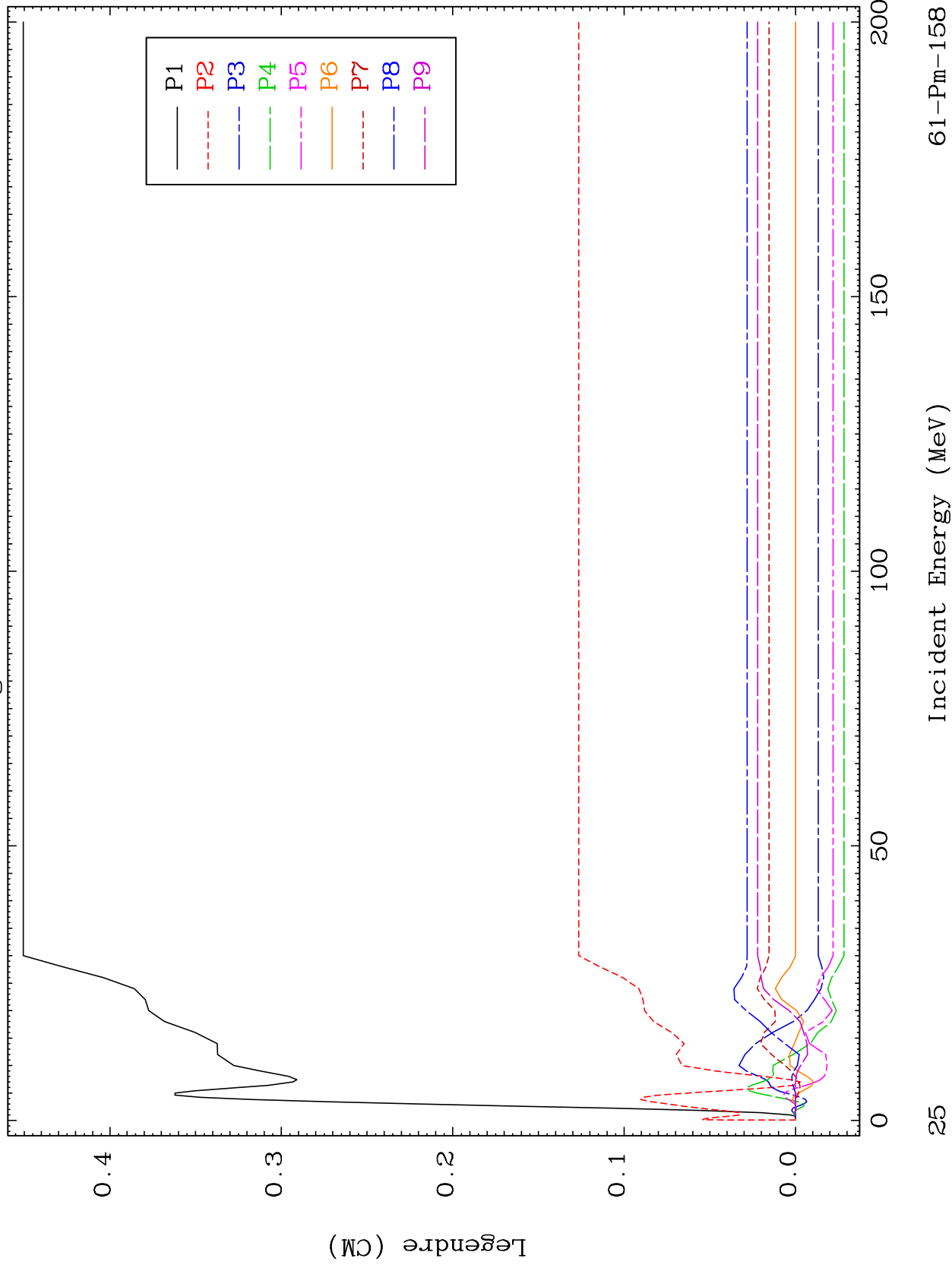
Incident Energy (MeV)

24

MAT 6182

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

61-Pm-158



61-Pm-158

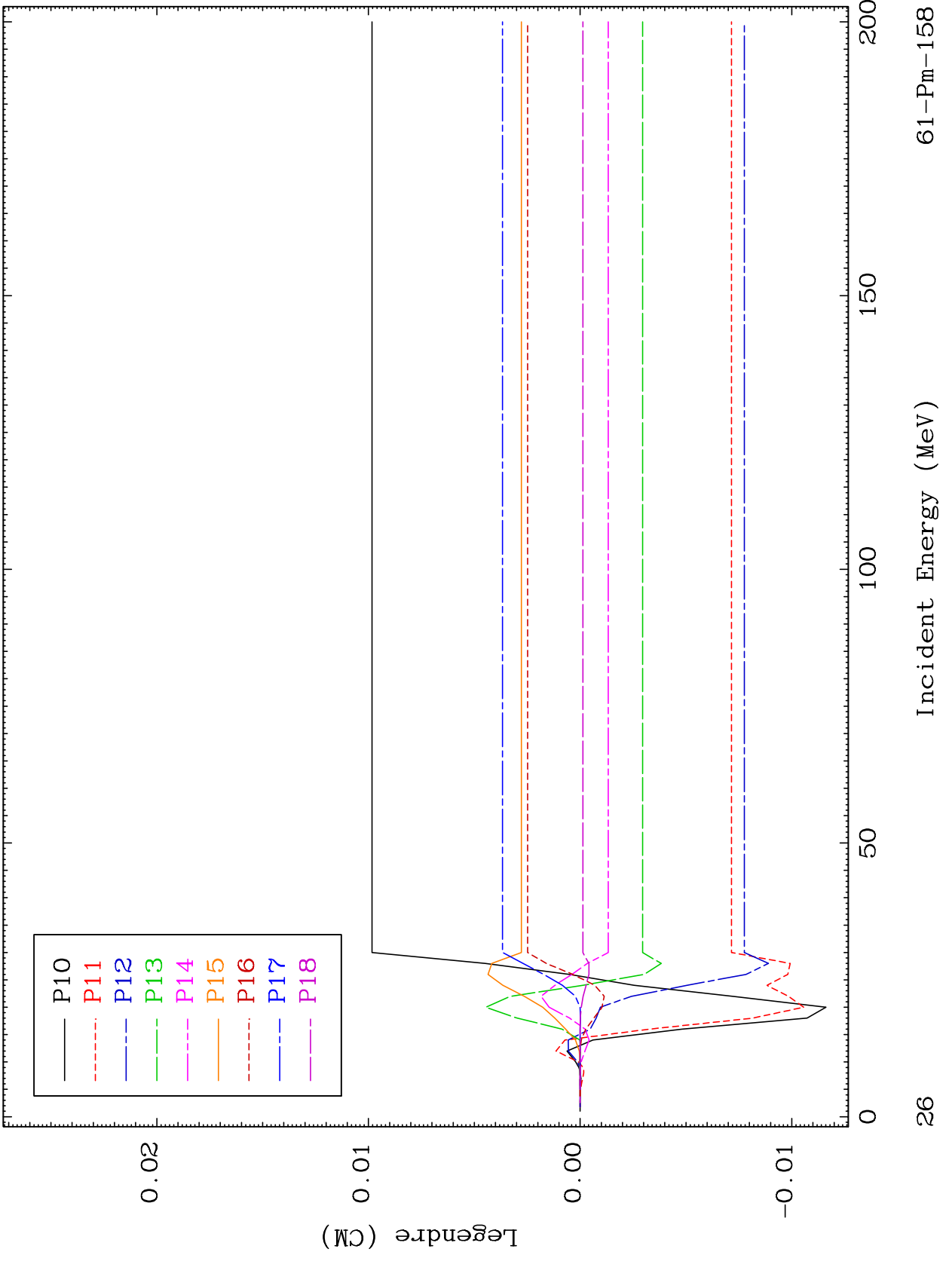
Incident Energy (MeV)

25

MAT 6182

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

61-Pm-158



26

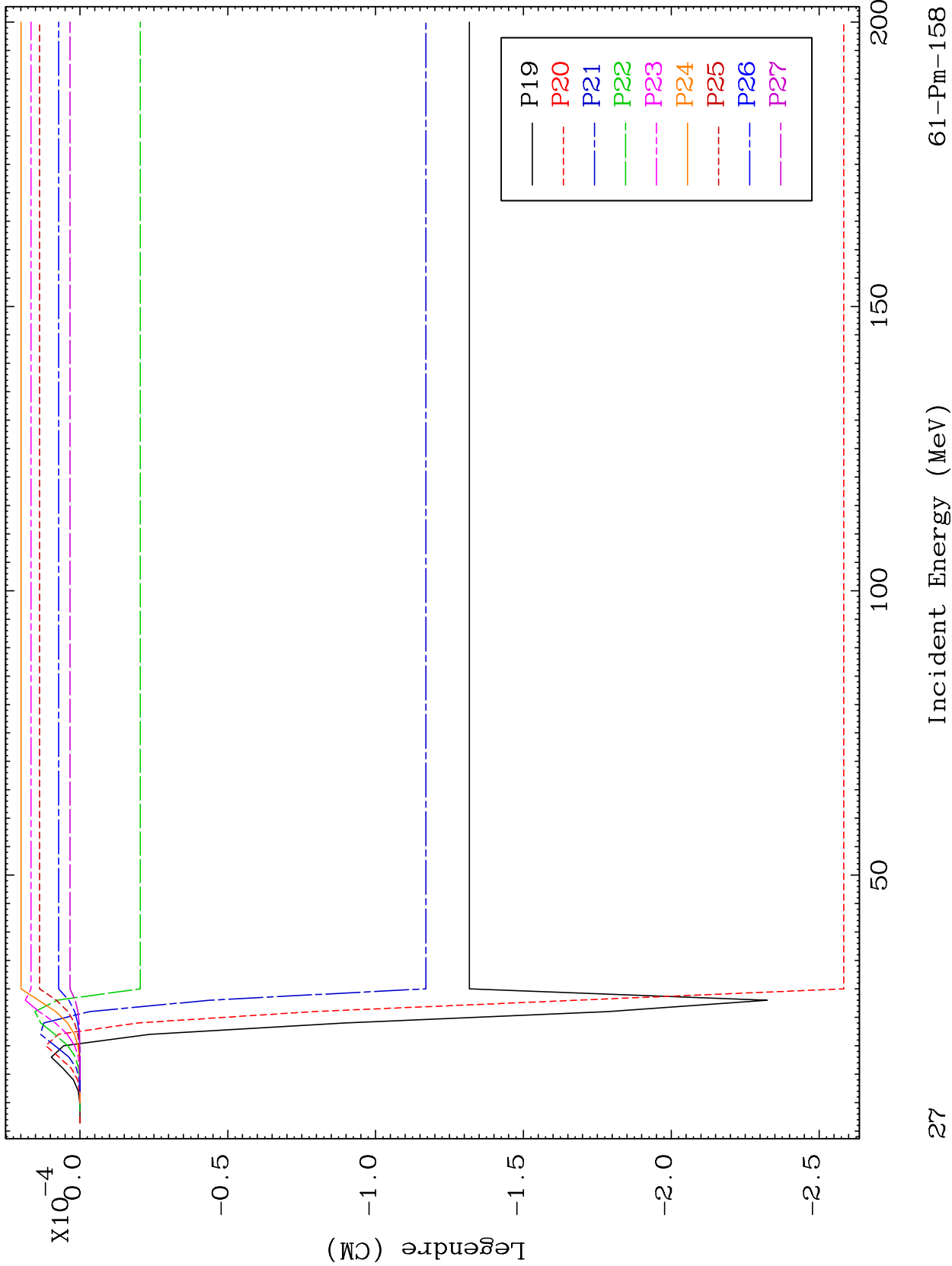
Incident Energy (MeV)

61-Pm-158

MAT 6182

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

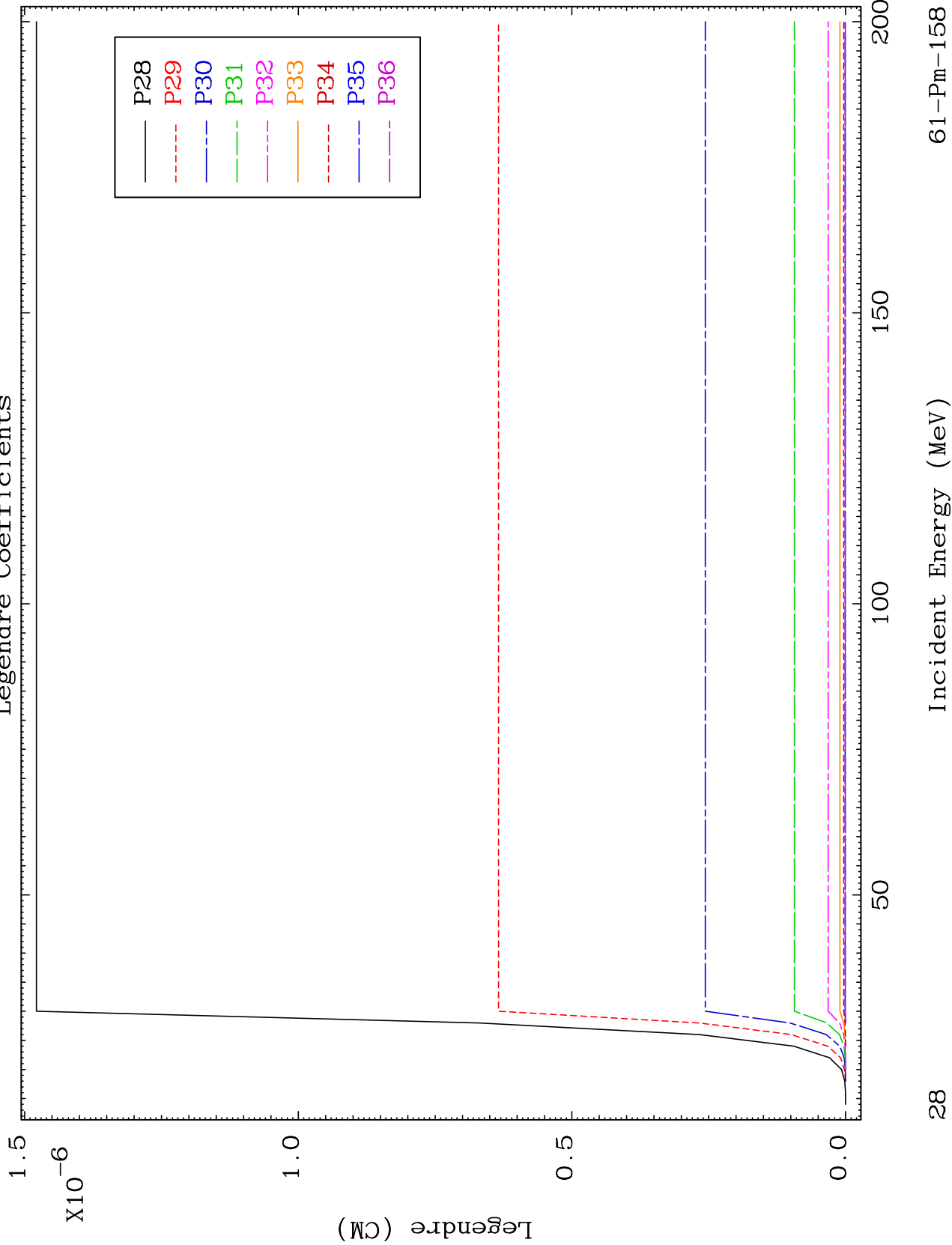
61-Pm-158



MAT 6182

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

61-Pm-158



28

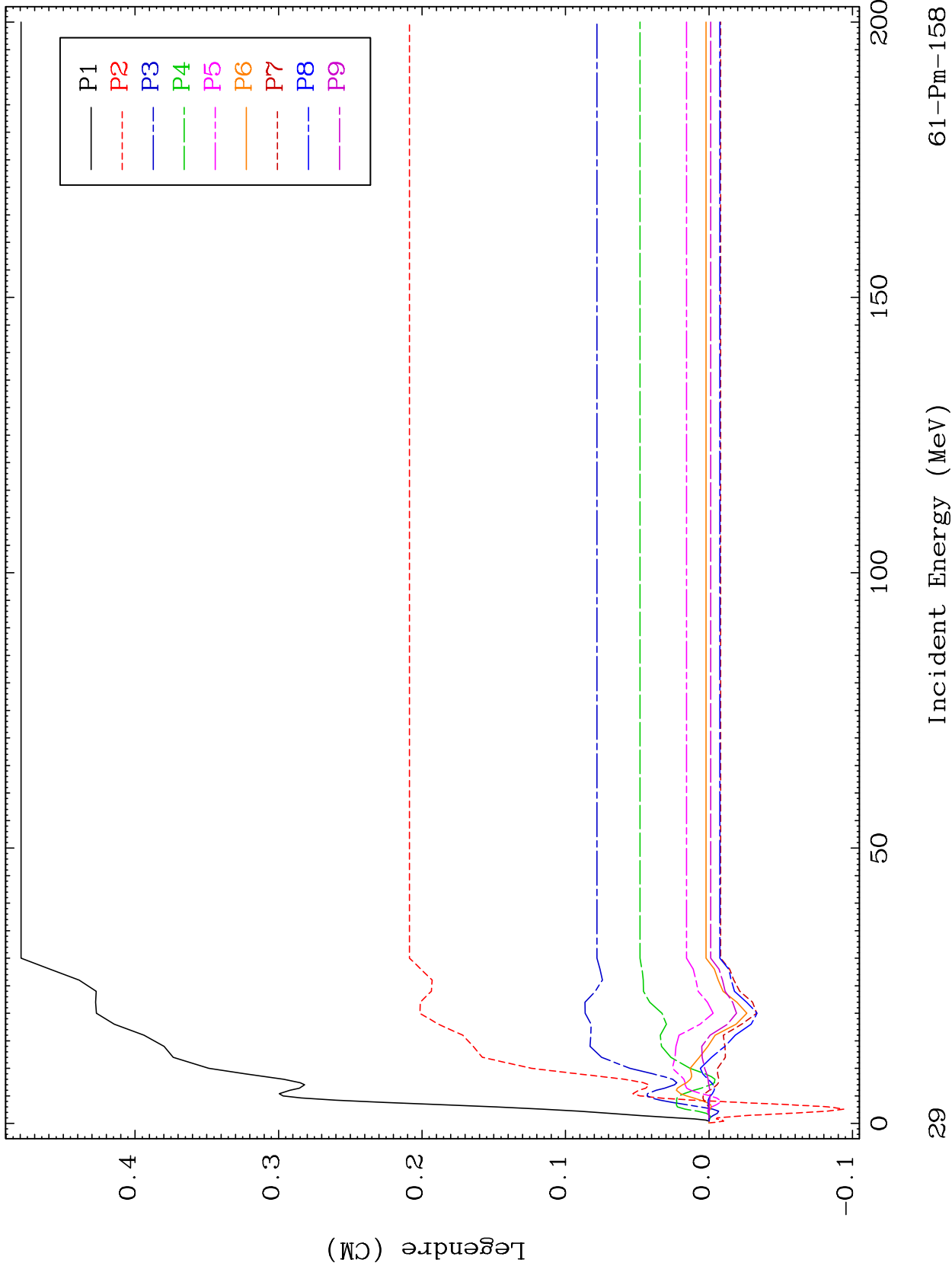
Incident Energy (MeV)

61-Pm-158

MAT 6182

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

61-Pm-158



61-Pm-158

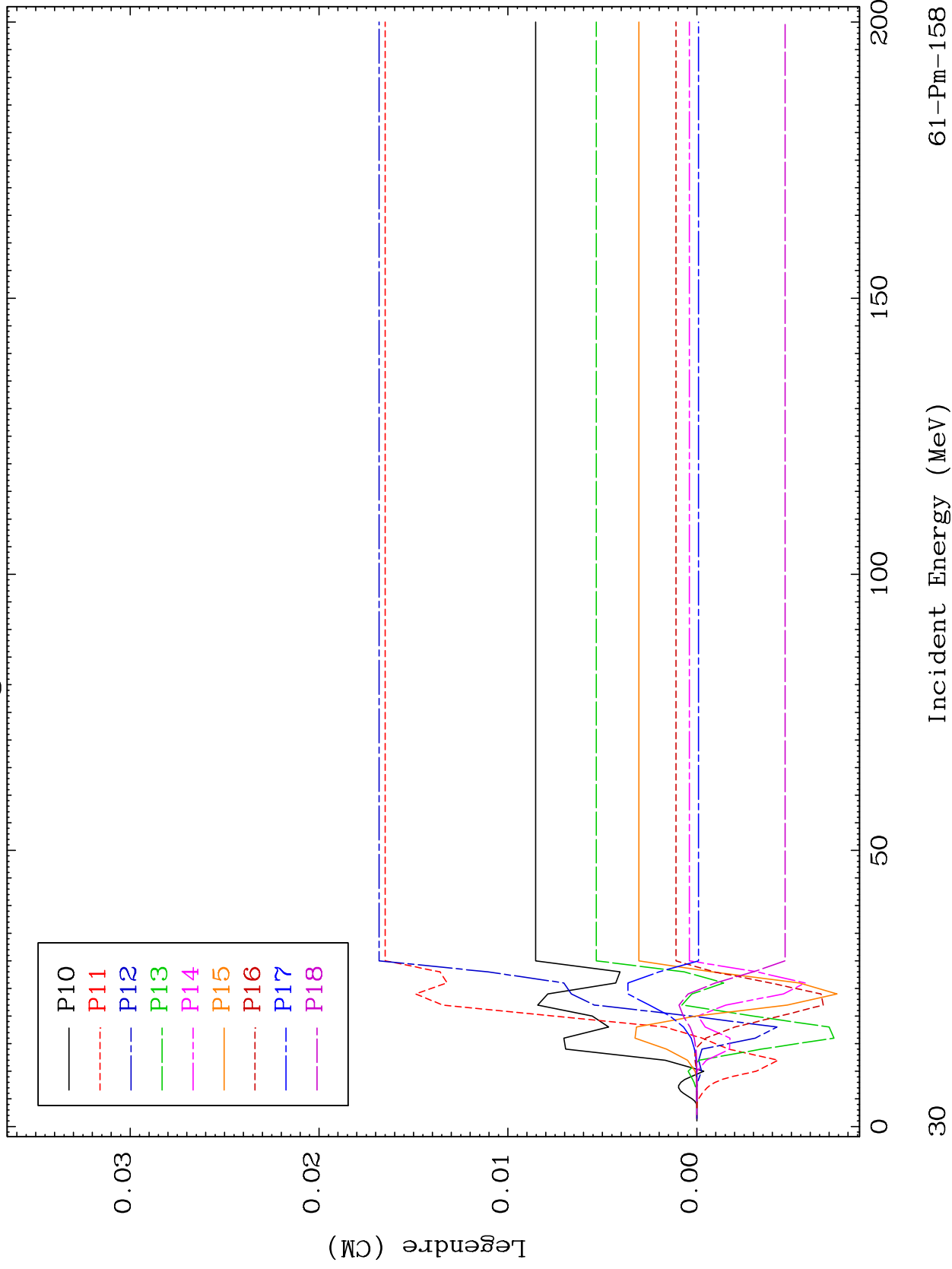
Incident Energy (MeV)

29

MAT 6182

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

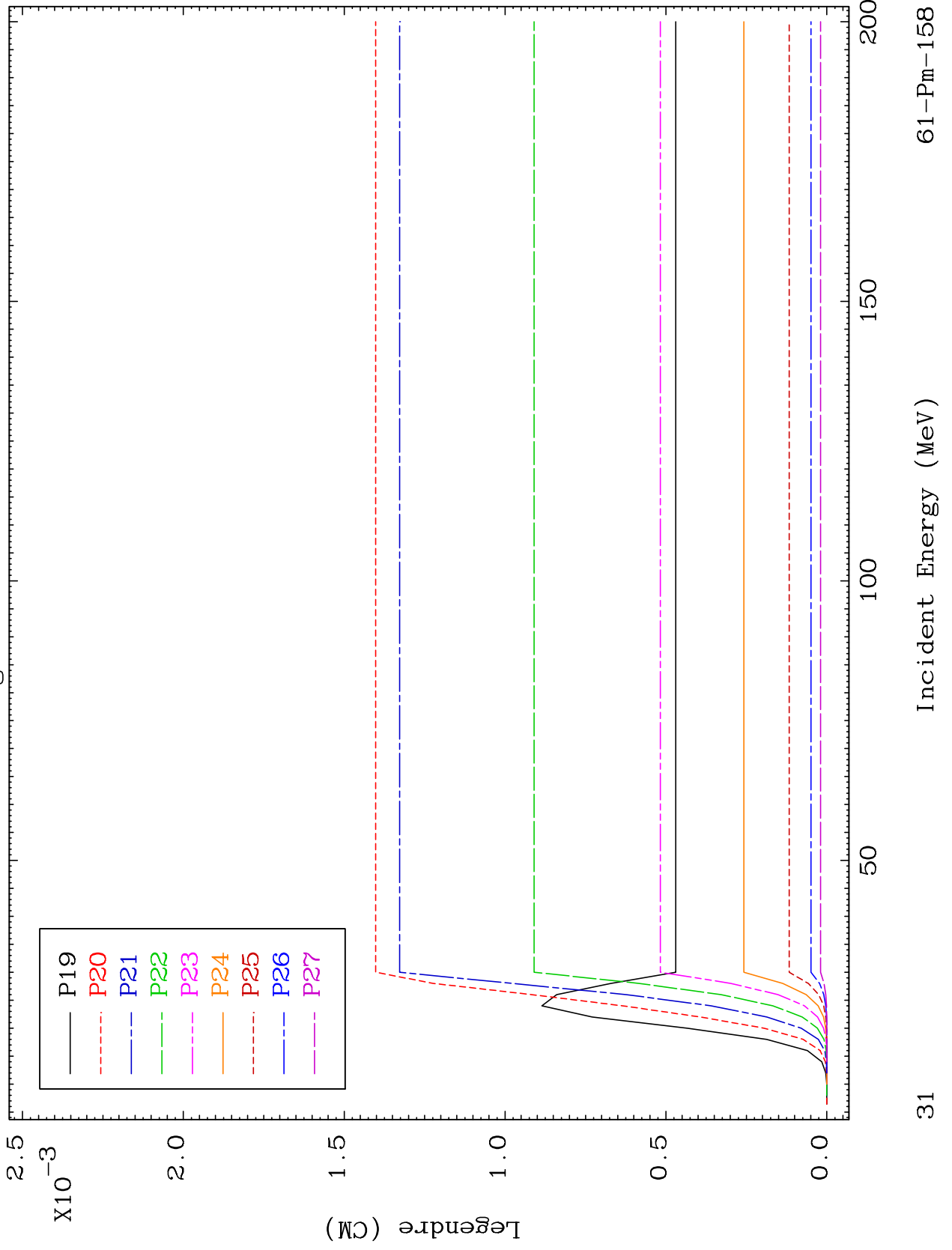
61-Pm-158



61-Pm-158

Incident Energy (MeV)

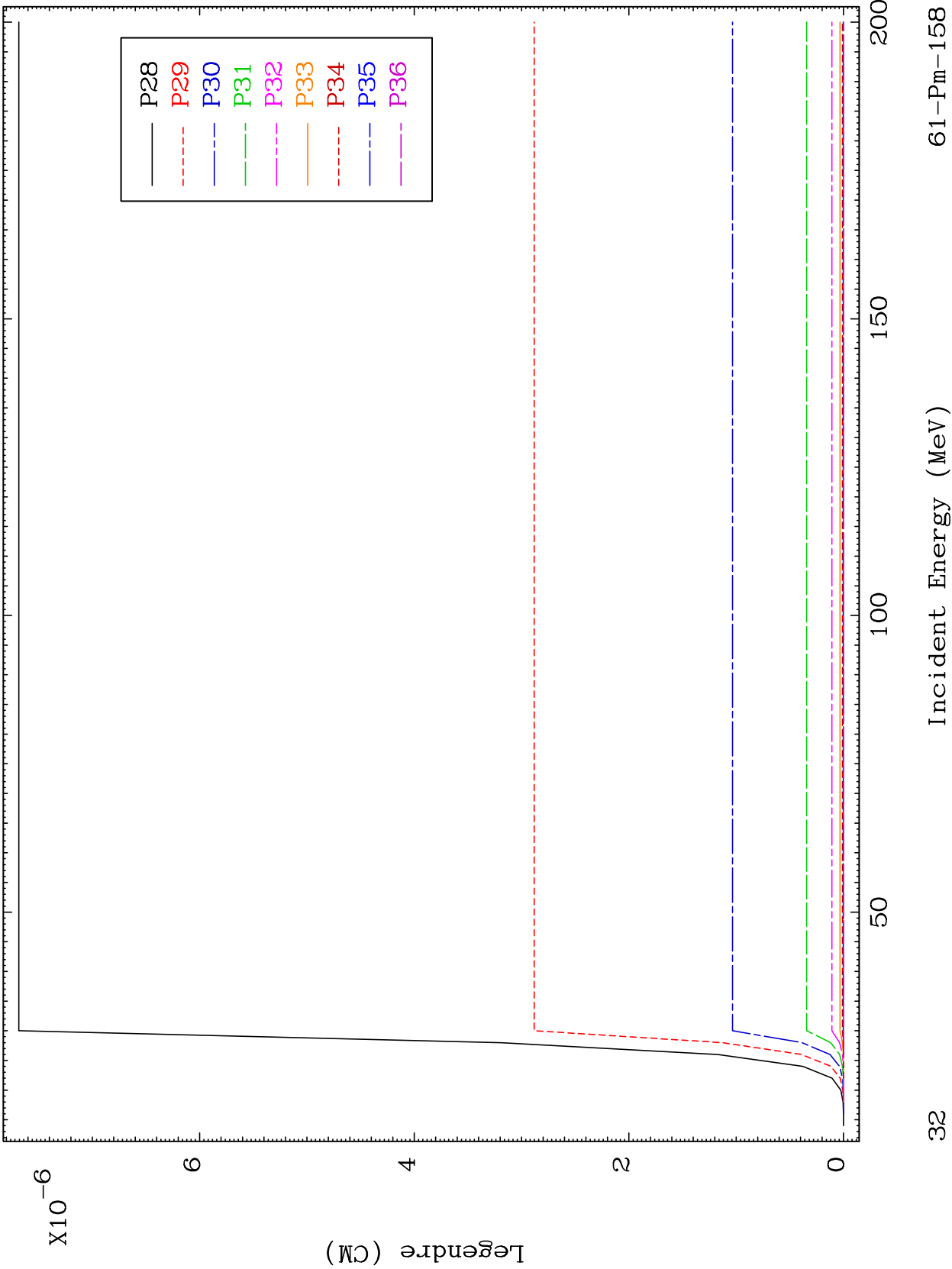
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MAT 6182

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

61-Pm-158



32

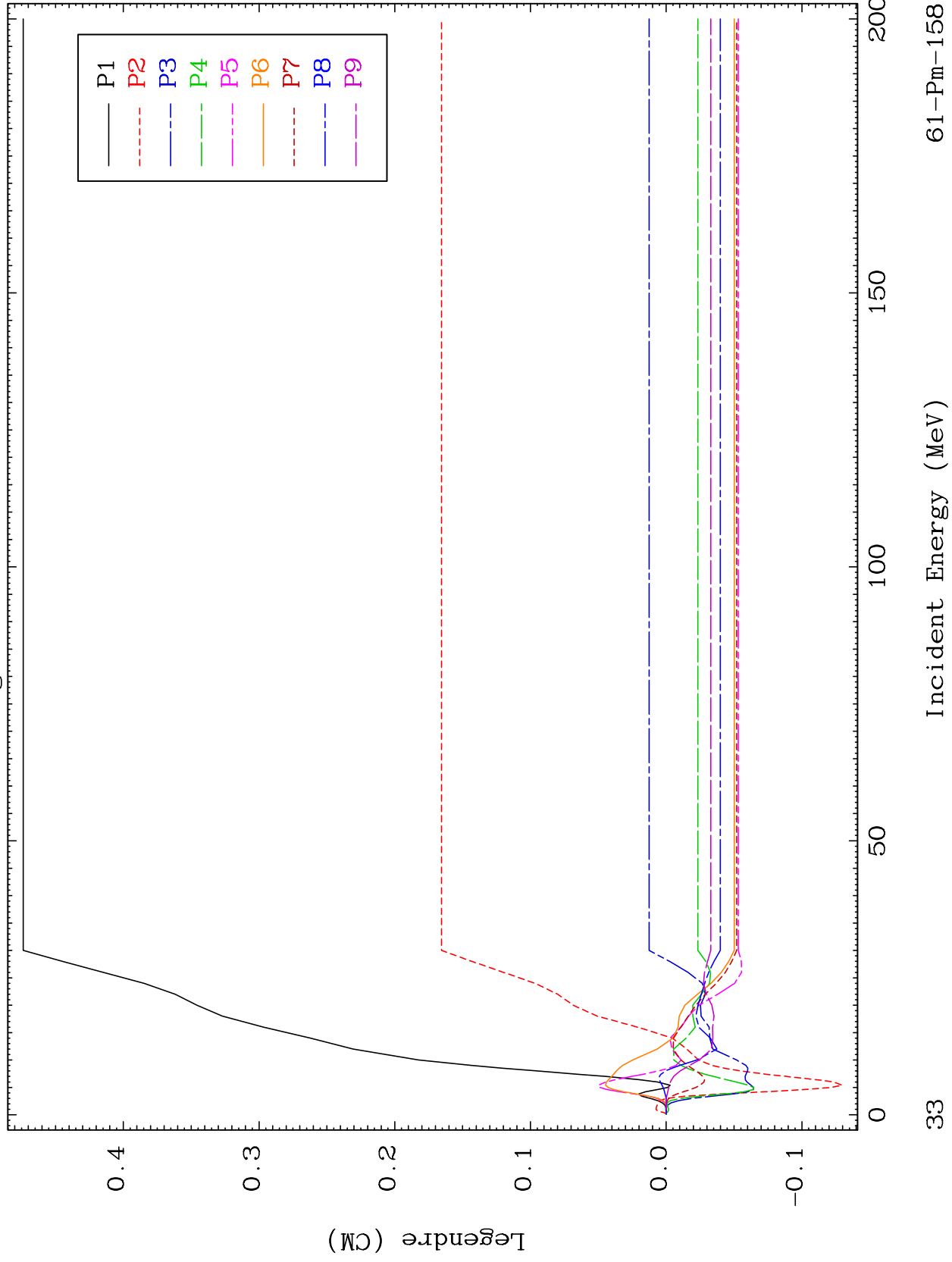
Incident Energy (MeV)

61-Pm-158

MAT 6182

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

61-Pm-158



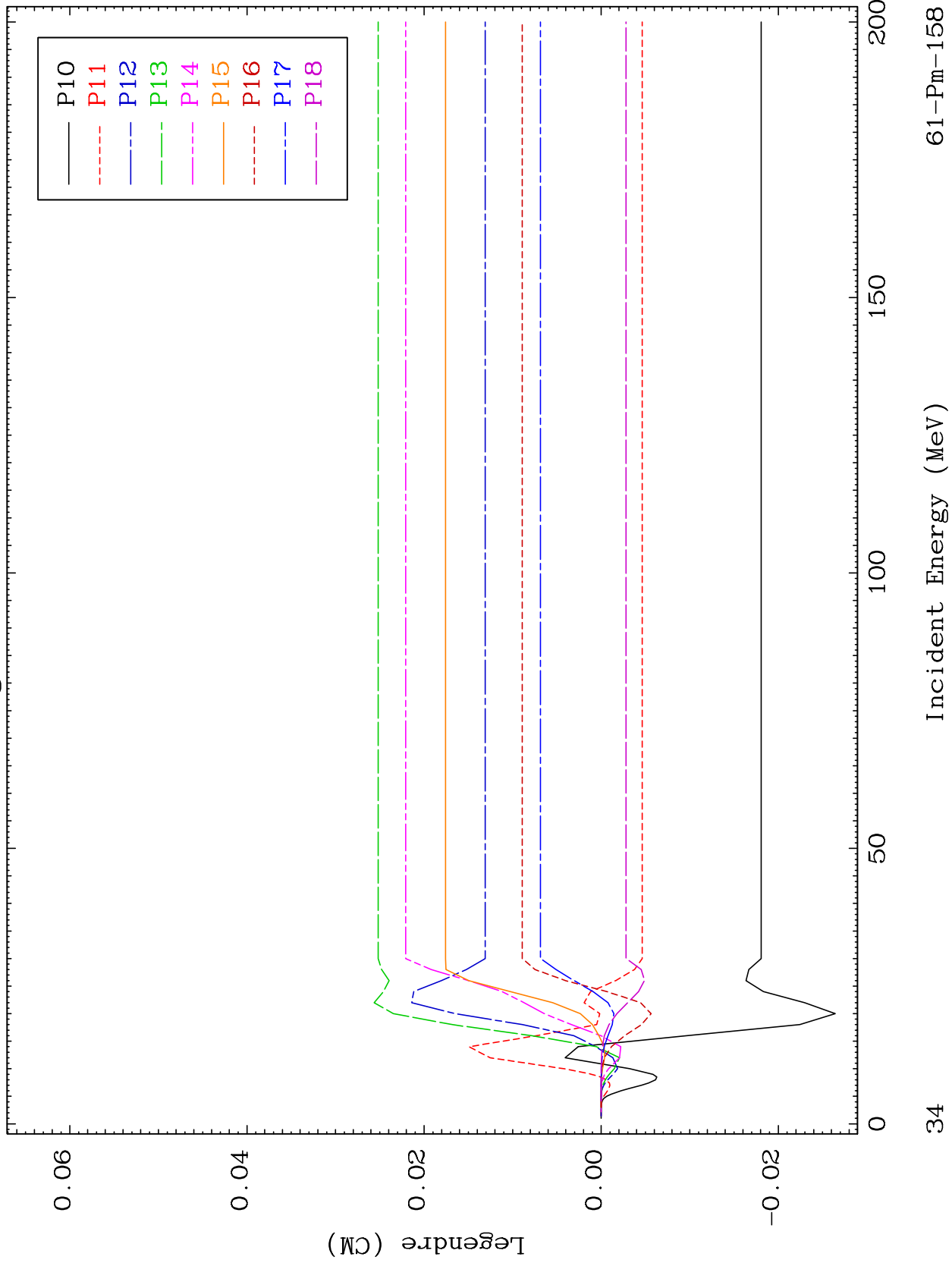
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61-Pm-158

MAT 6182

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

61-Pm-158



61-Pm-158

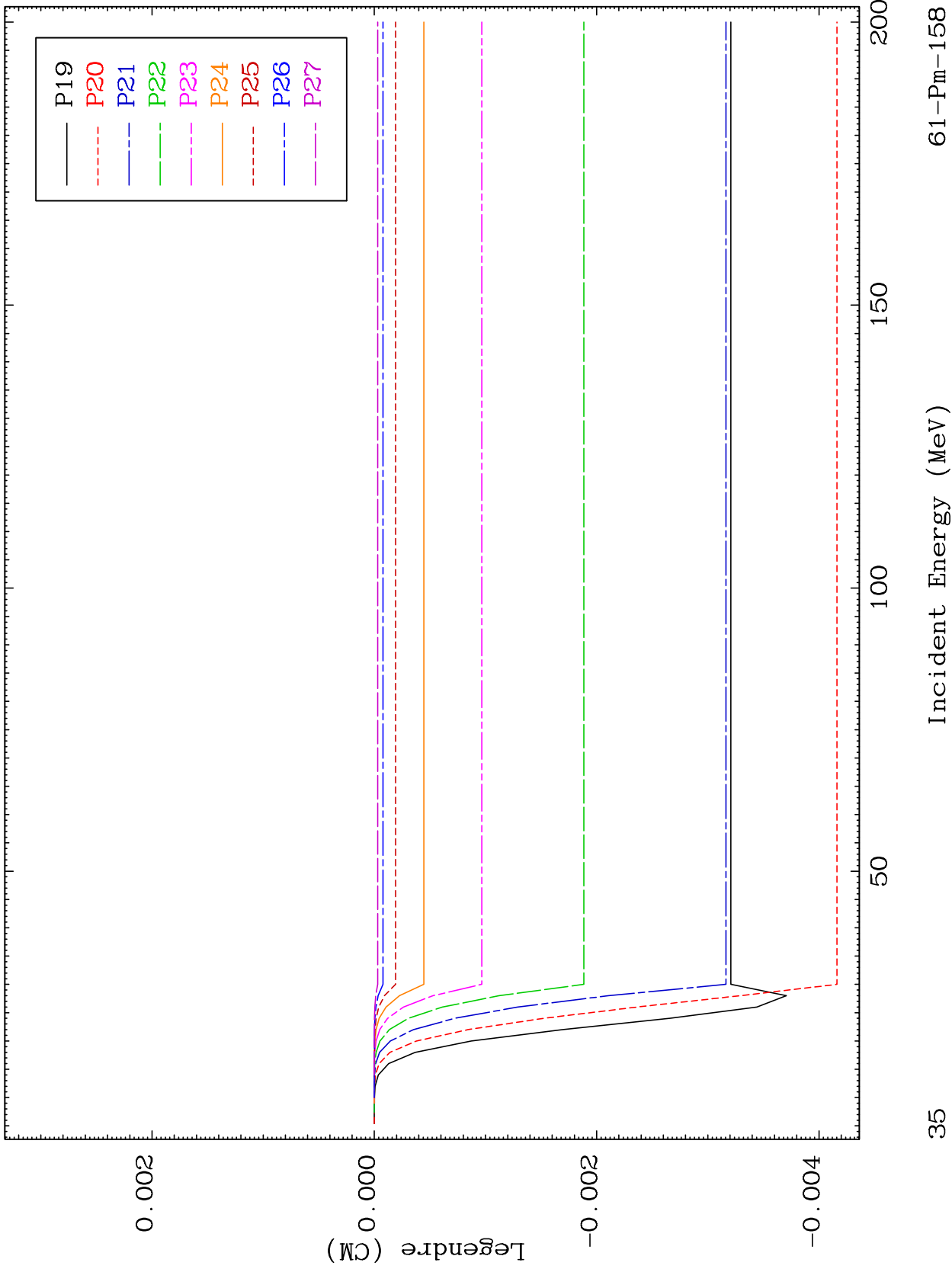
Incident Energy (MeV)

34

MAT 6182

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

61-Pm-158



35

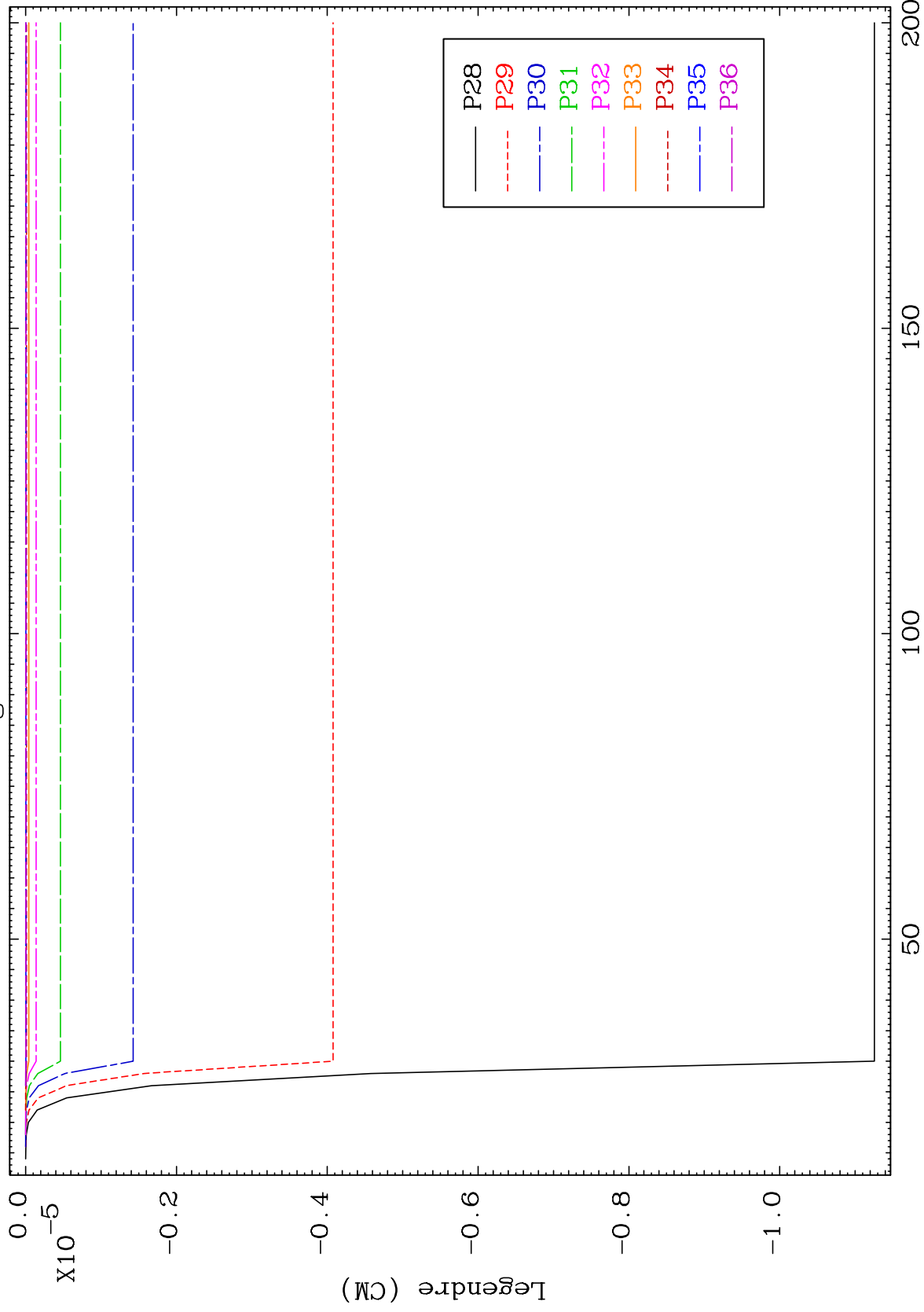
Incident Energy (MeV)

61-Pm-158

MAT 6182

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

61-Pm-158



36

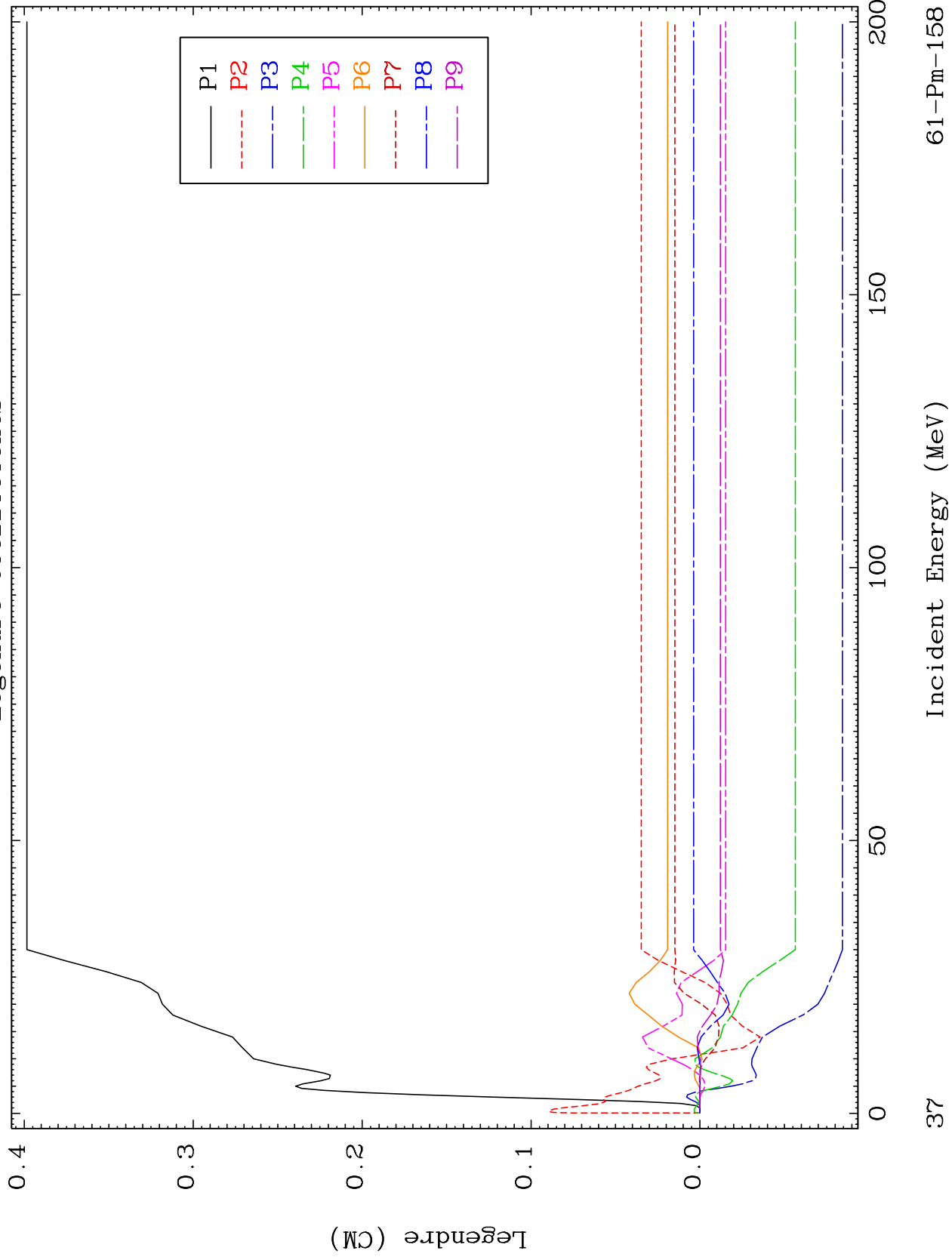
Incident Energy (MeV)

61-Pm-158

MAT 6182

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

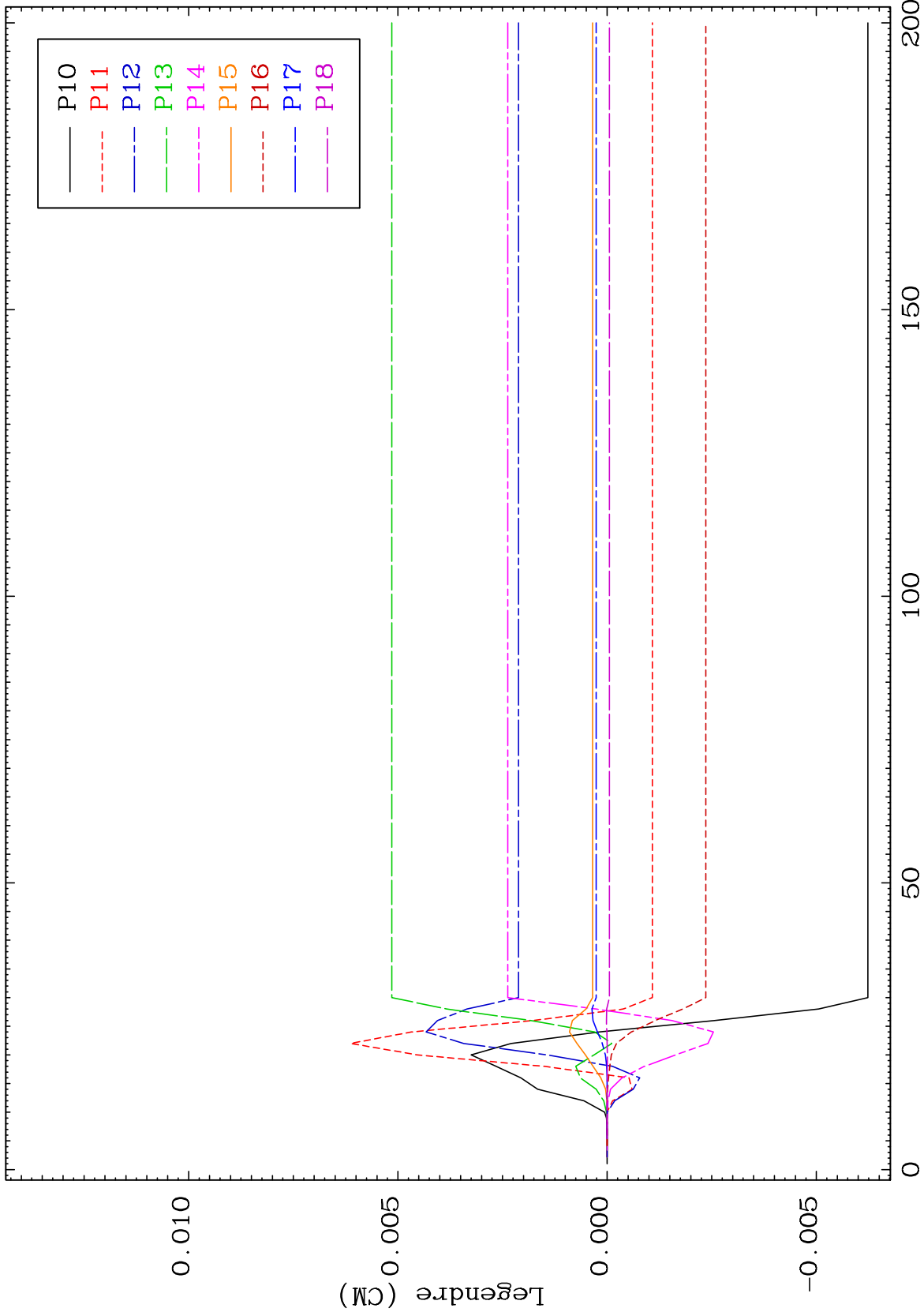
61-Pm-158



MAT 6182

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

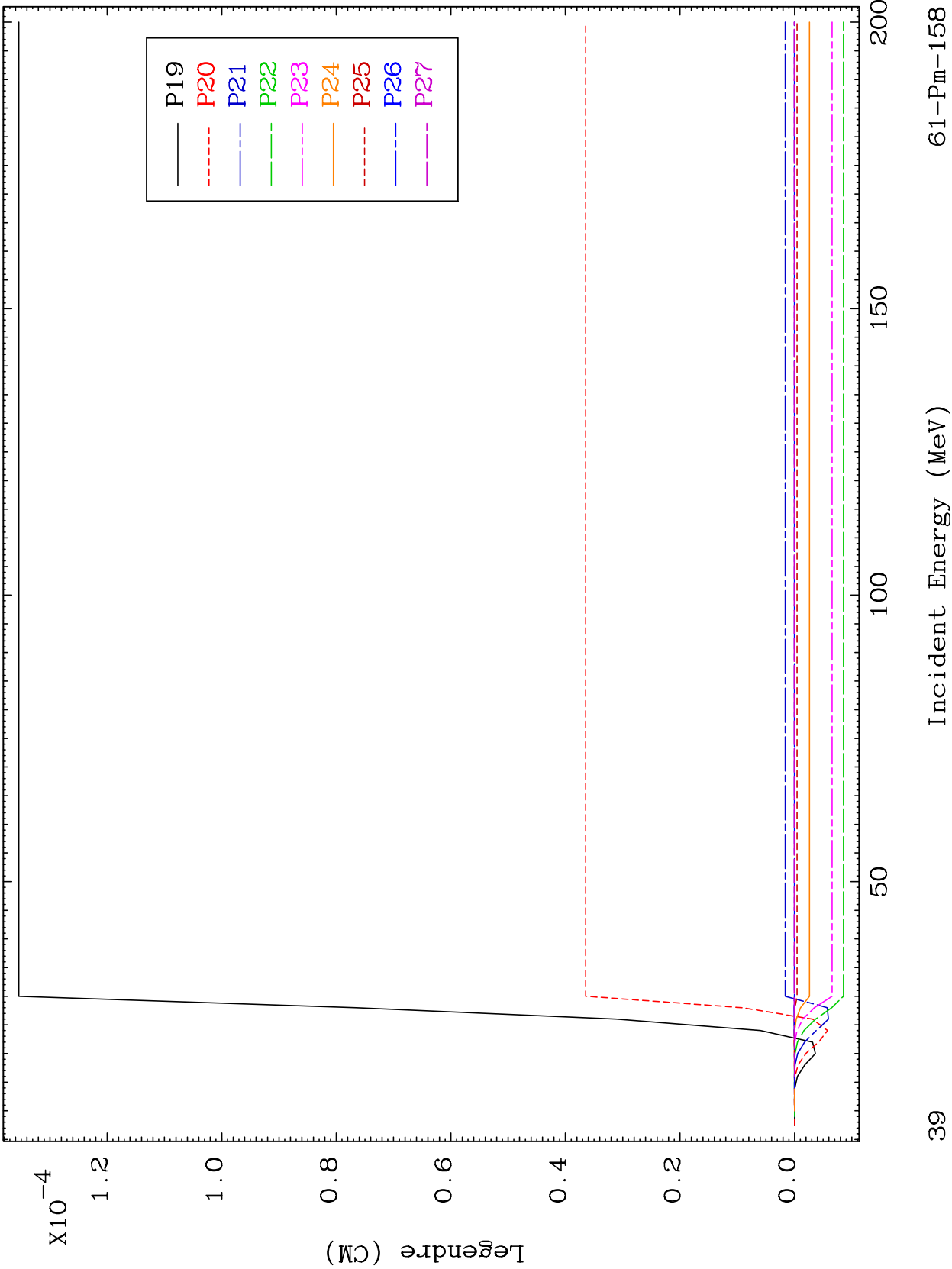
61-Pm-158



38

Incident Energy (MeV)

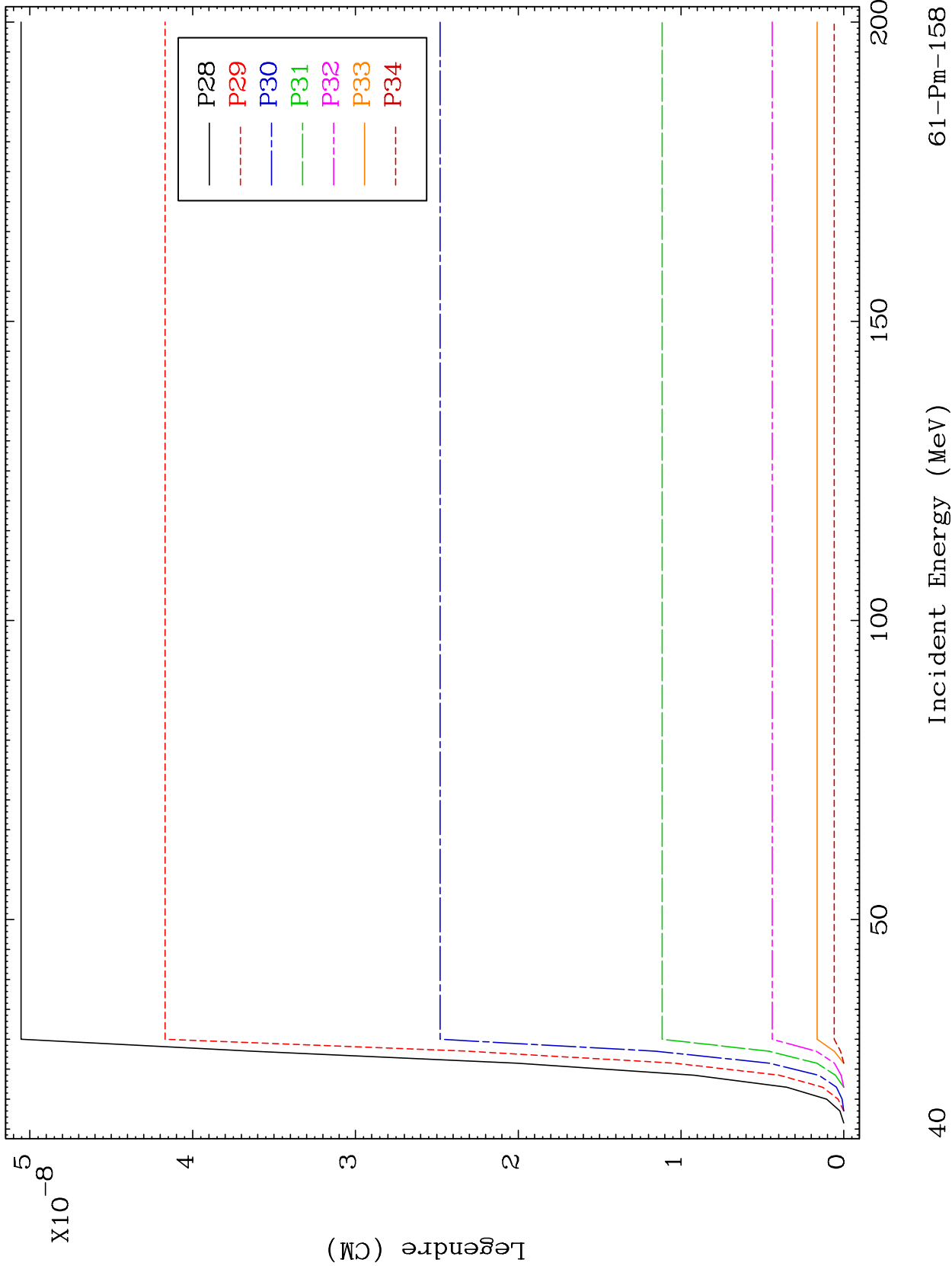
61-Pm-158



MAT 6182

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

61-Pm-158



61-Pm-158

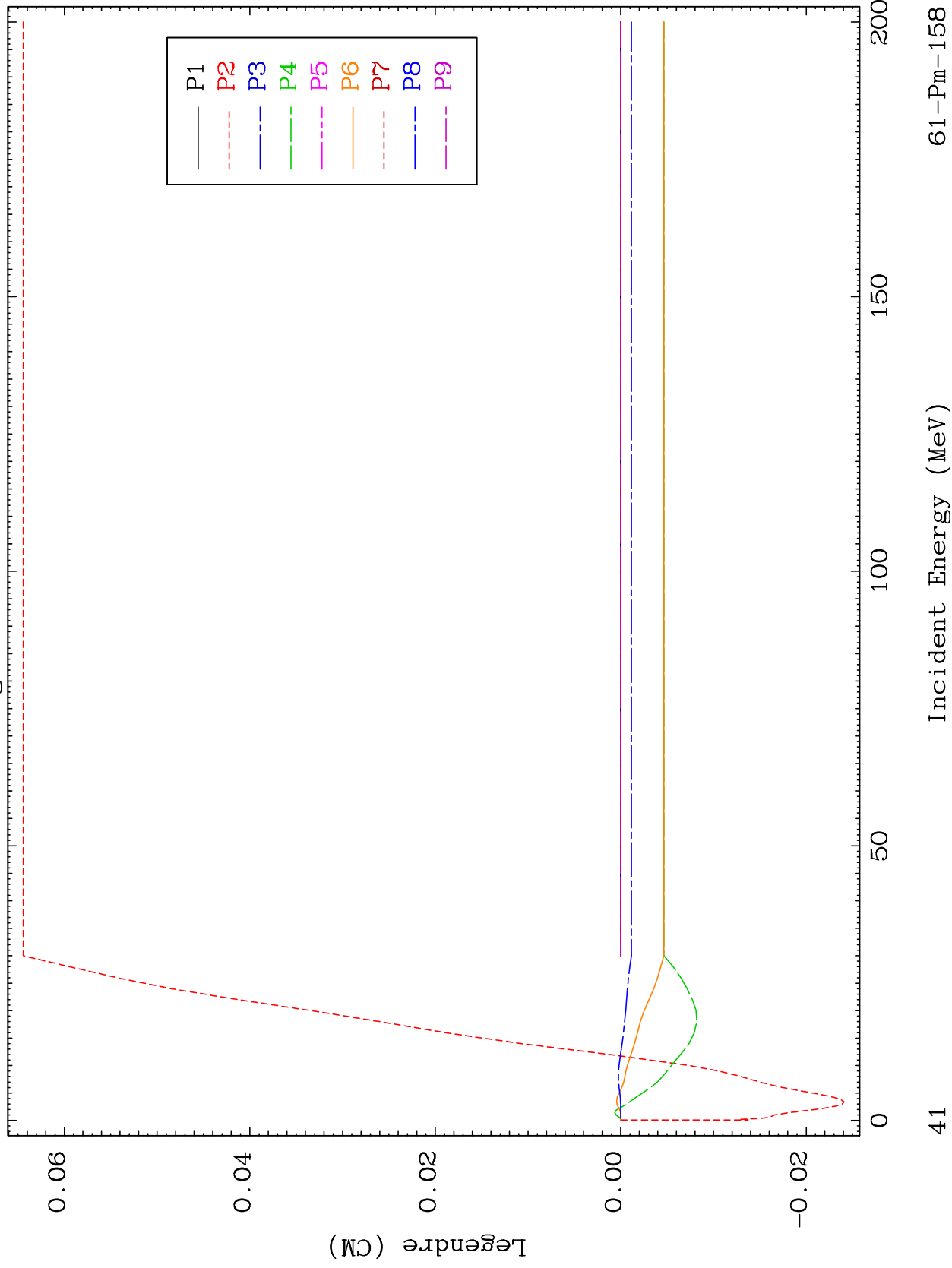
Incident Energy (MeV)

40

MAT 6182

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

61-Pm-158



61-Pm-158

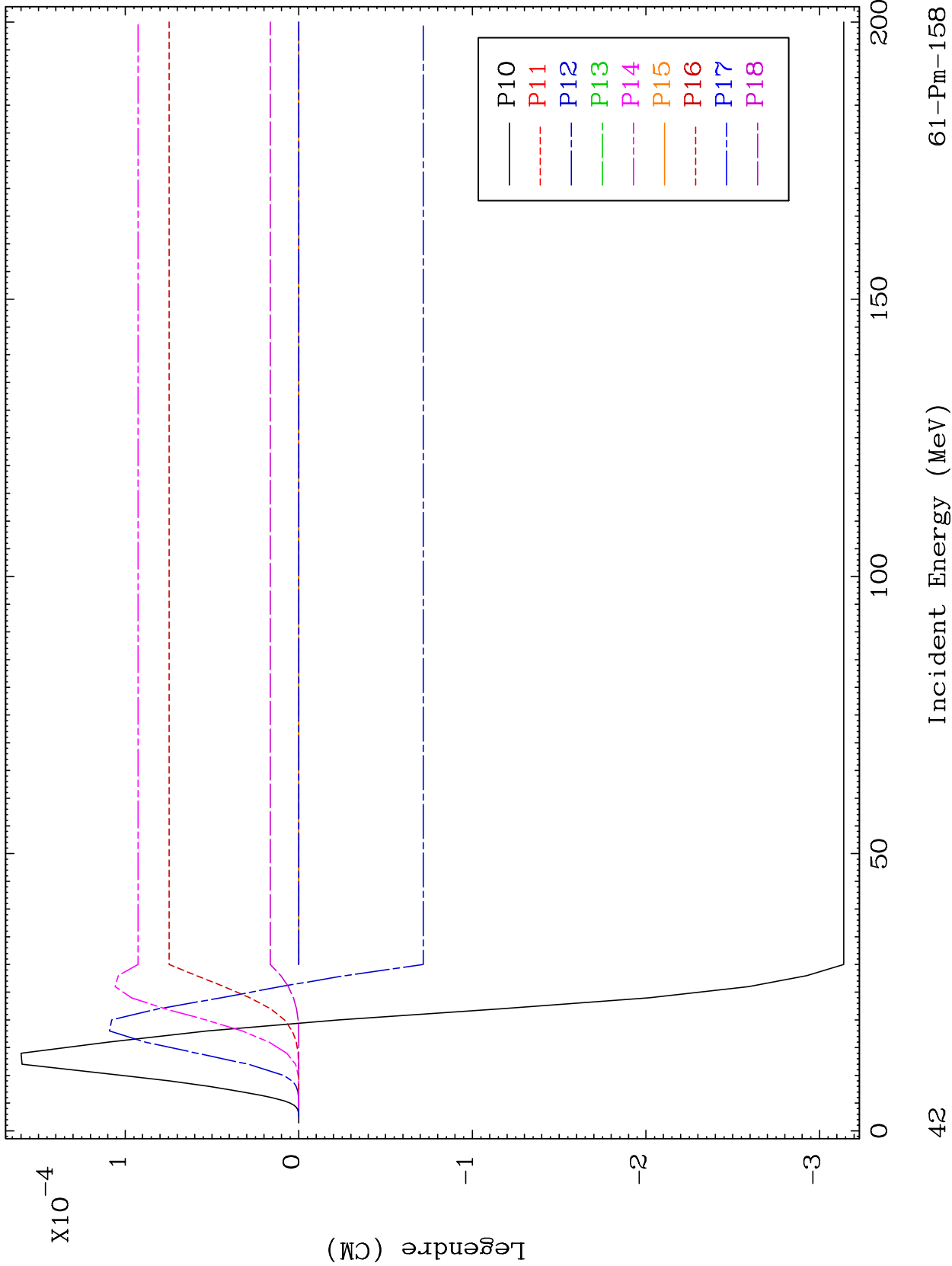
Incident Energy (MeV)

41

MAT 6182

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

61-Pm-158



61-Pm-158

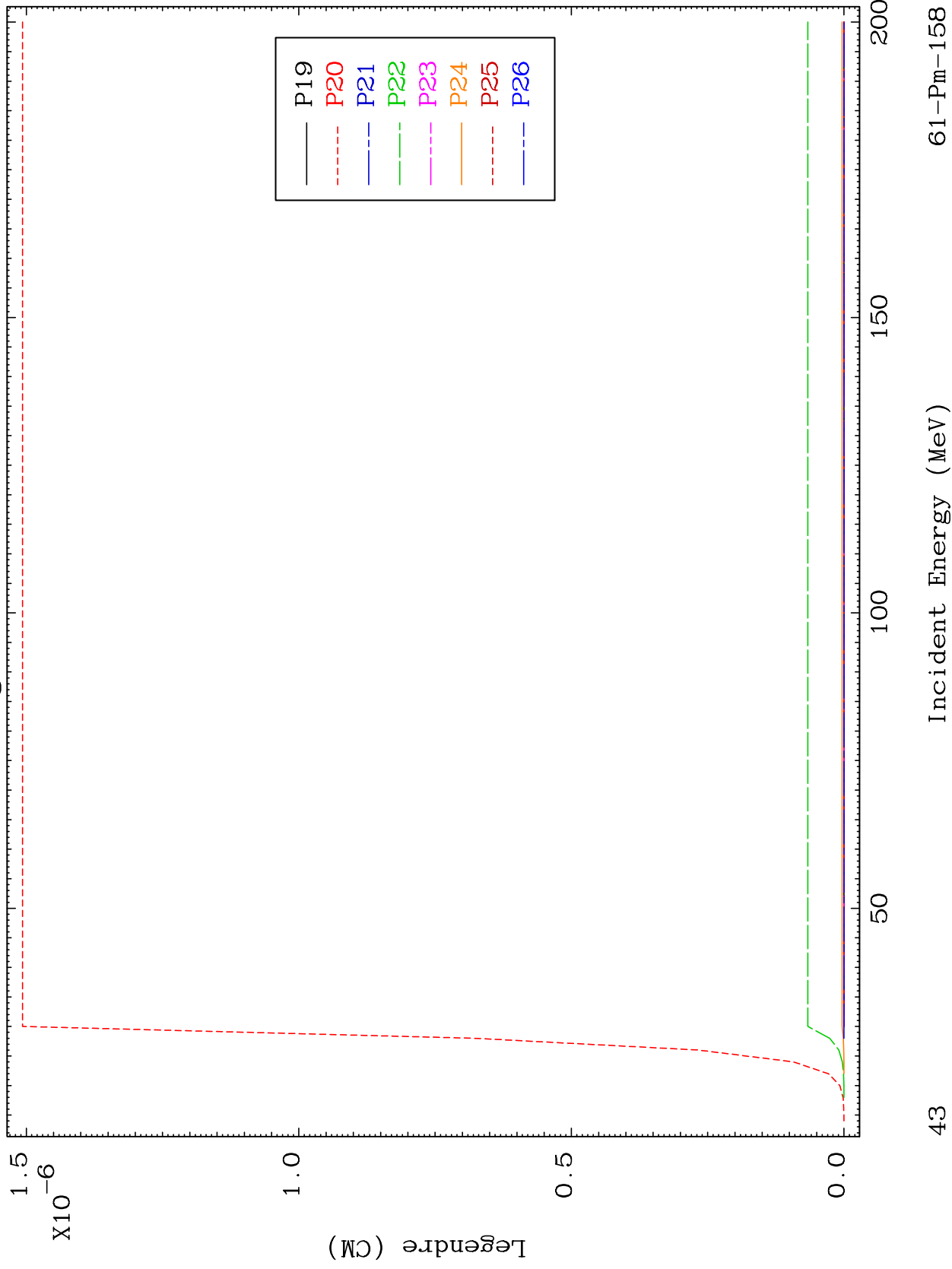
Incident Energy (MeV)

42

MAT 6182

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

61-Pm-158



61-Pm-158

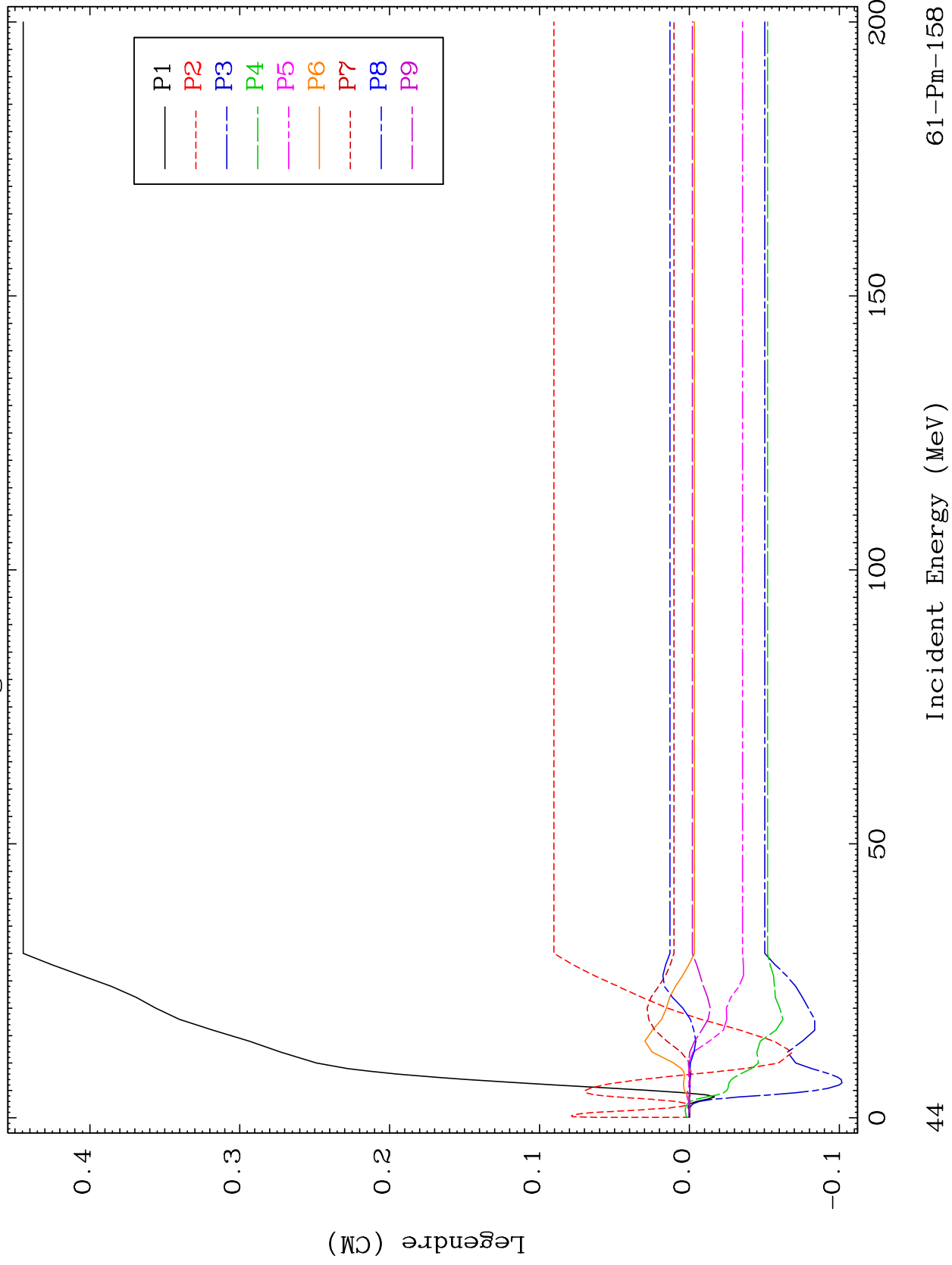
Incident Energy (MeV)

43

MAT 6182

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

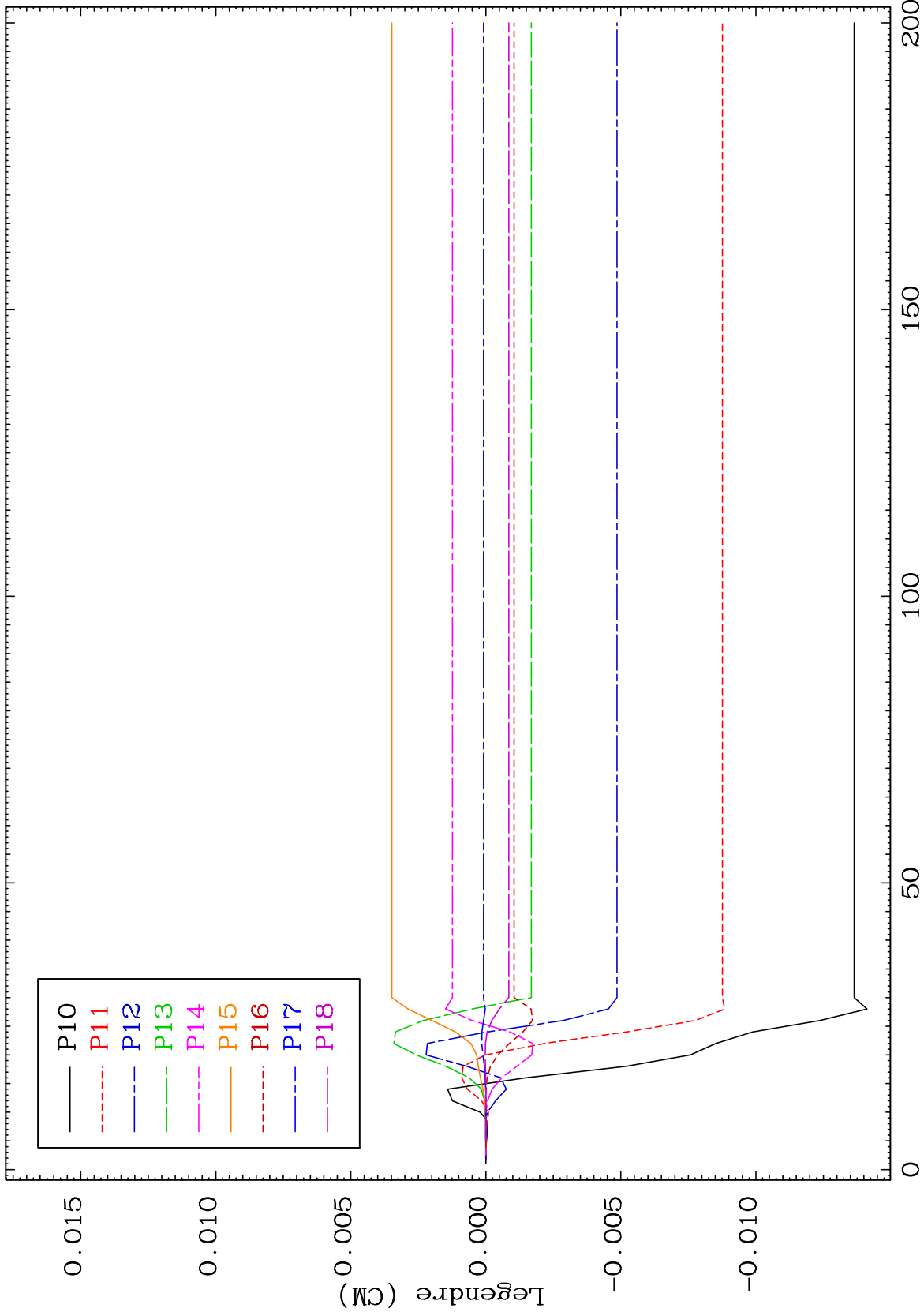
61-Pm-158



MAT 6182

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

61-Pm-158



61-Pm-158

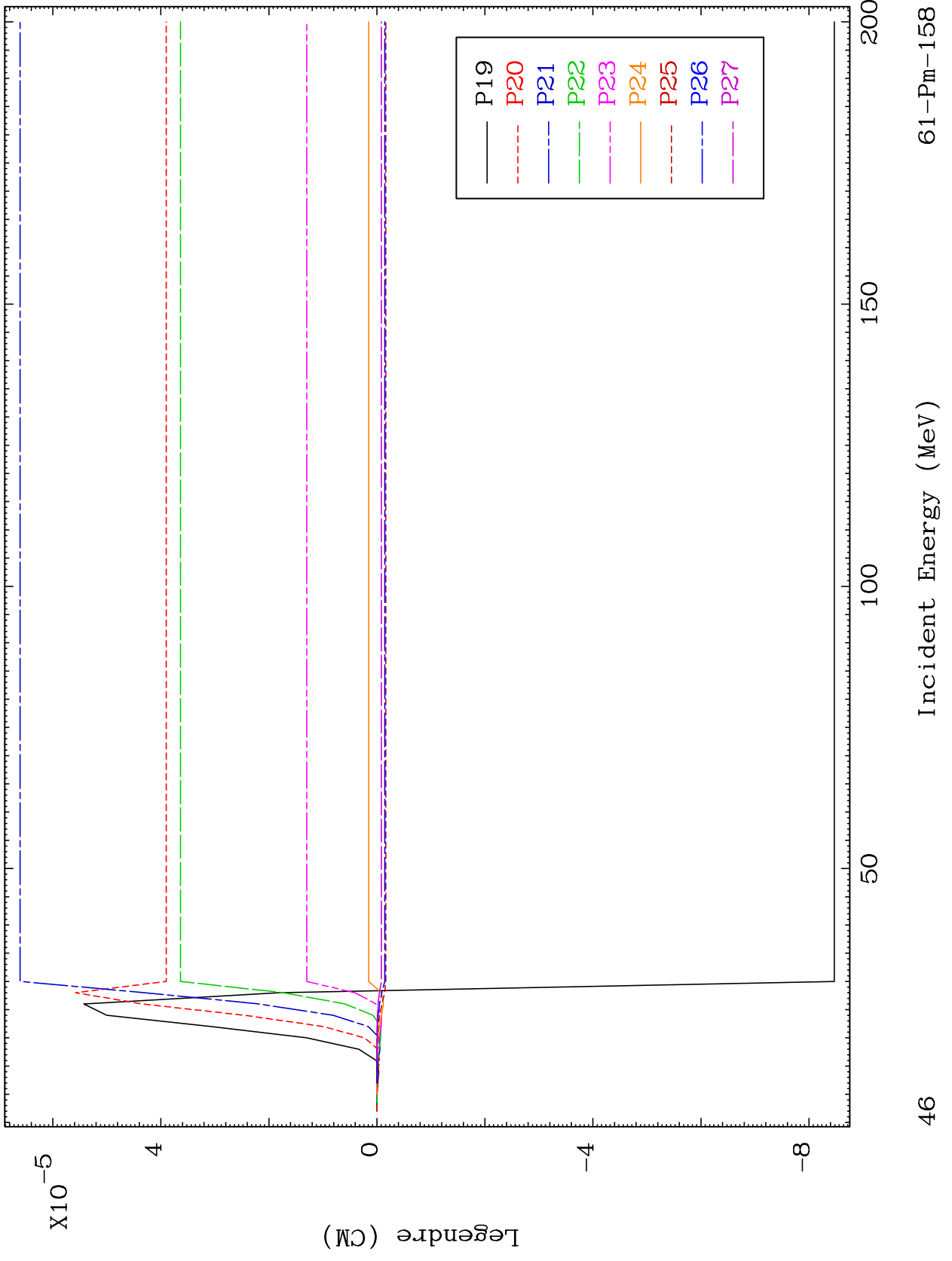
Incident Energy (MeV)

45

MAT 6182

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

61-Pm-158

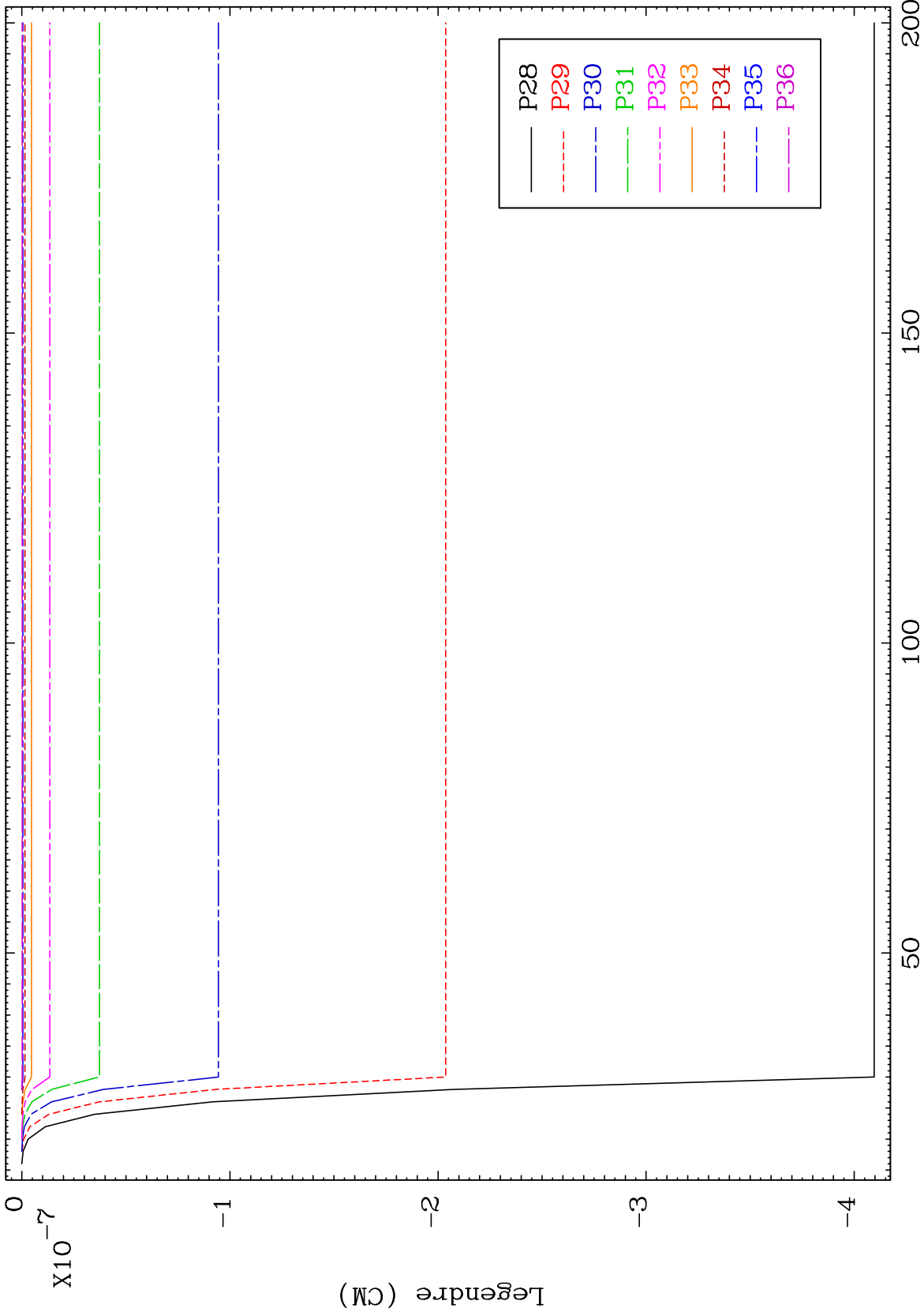


MAT 6182

MT= 57 (n,n') Level

61-Pm-158

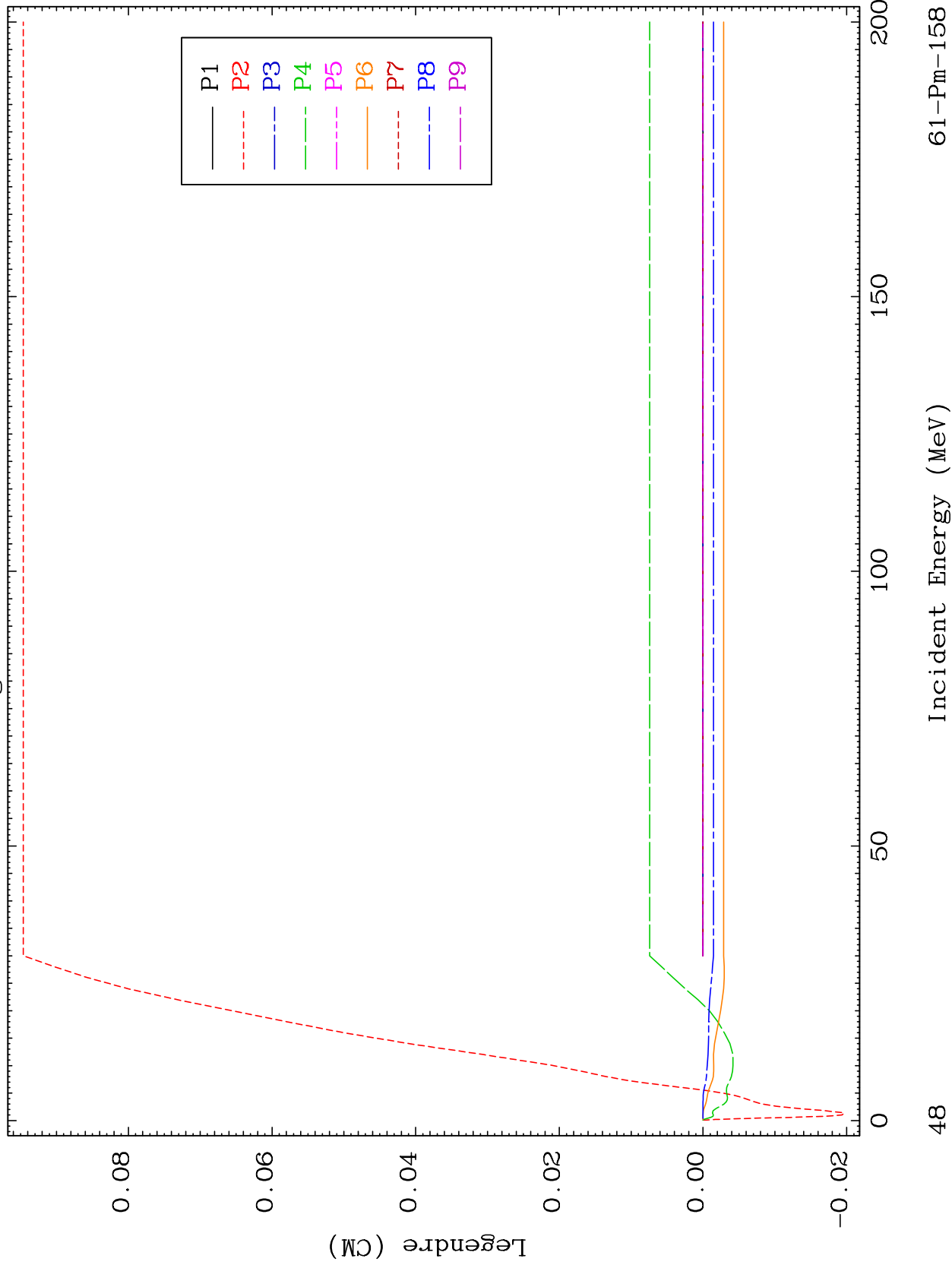
Legendre Coefficients



MAT 6182

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

61-Pm-158



61-Pm-158

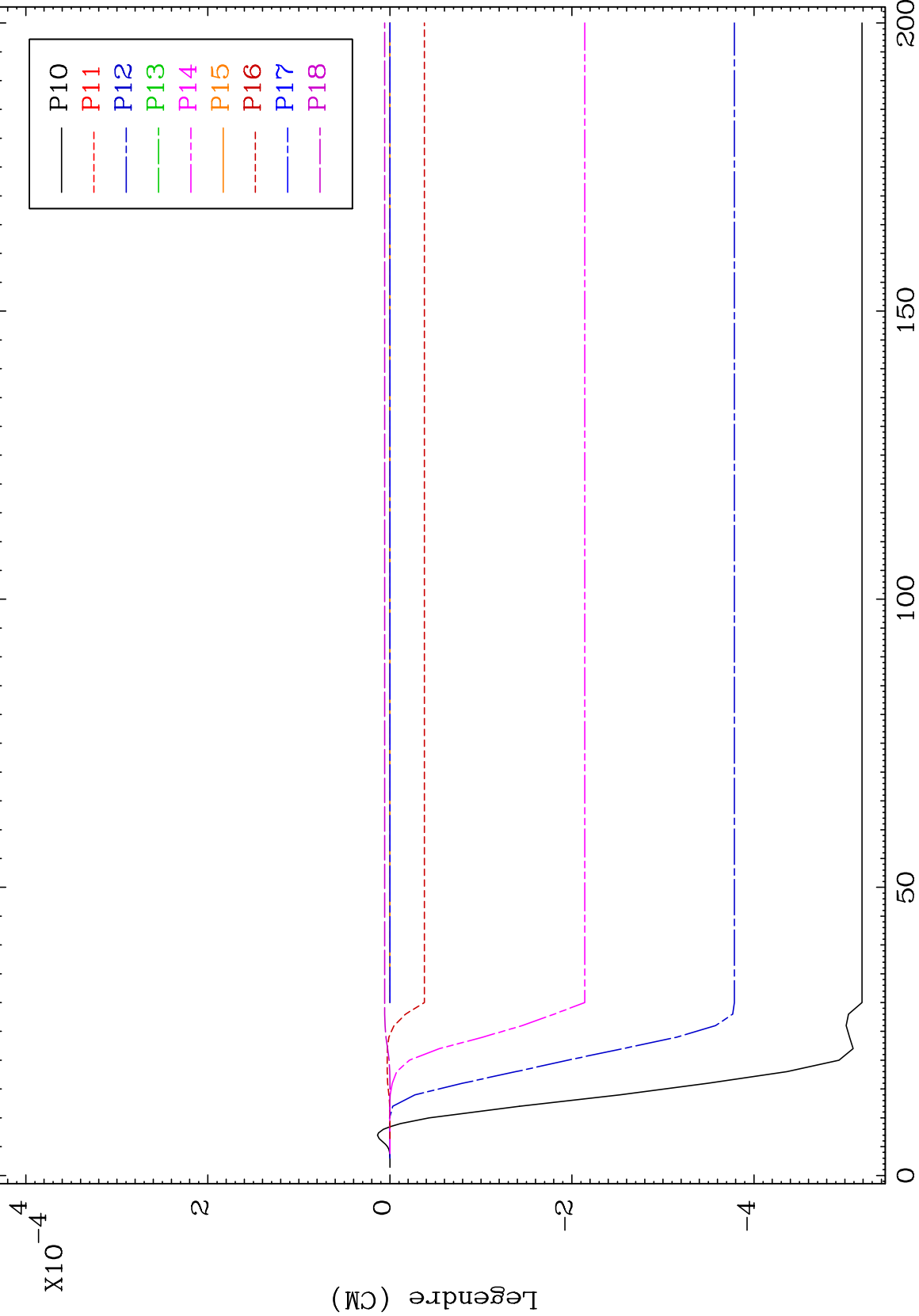
Incident Energy (MeV)

48

MAT 6182

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

61-Pm-158



49

Incident Energy (MeV)

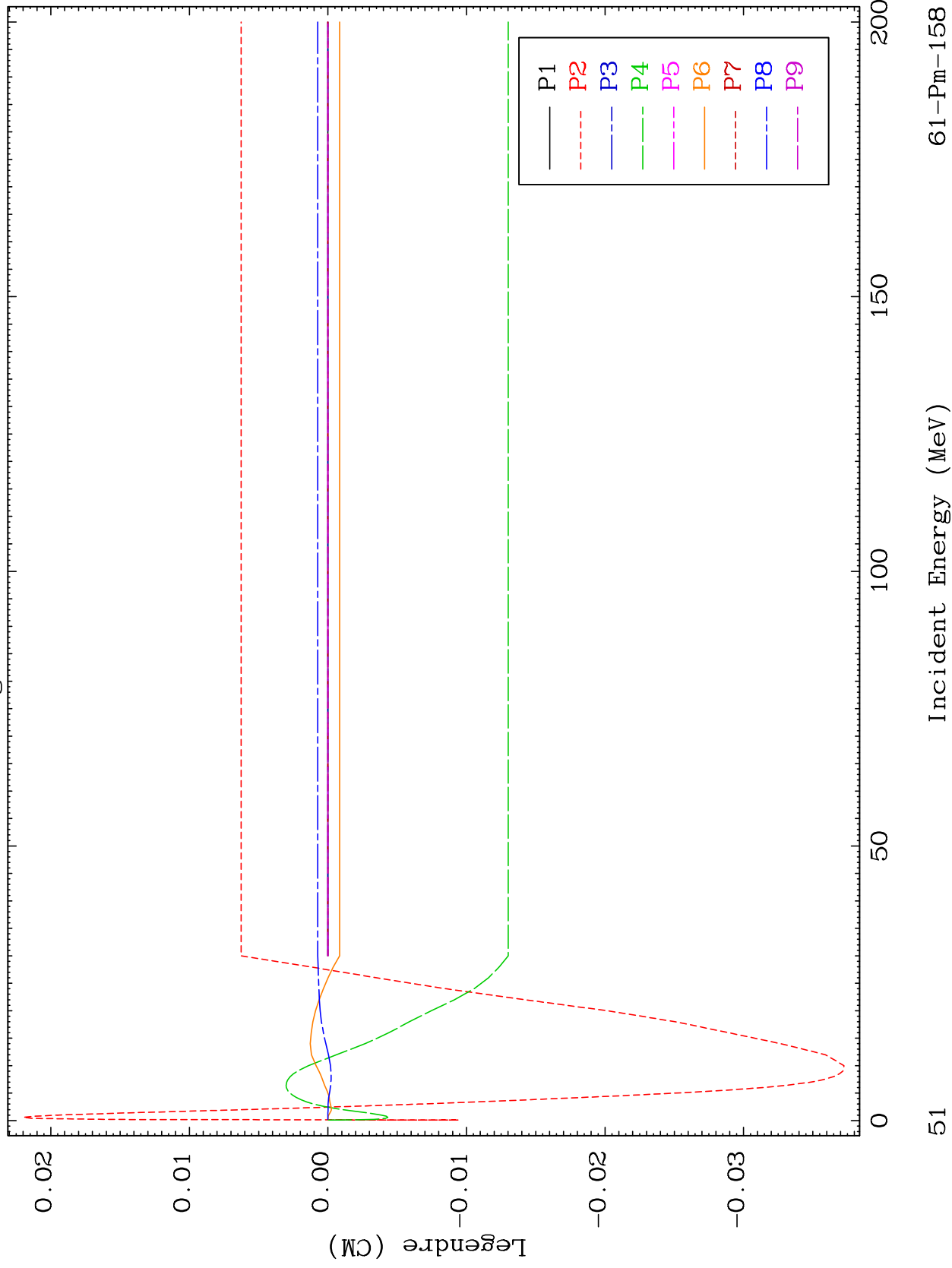
61-Pm-158



MAT 6182

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

61-Pm-158



61-Pm-158

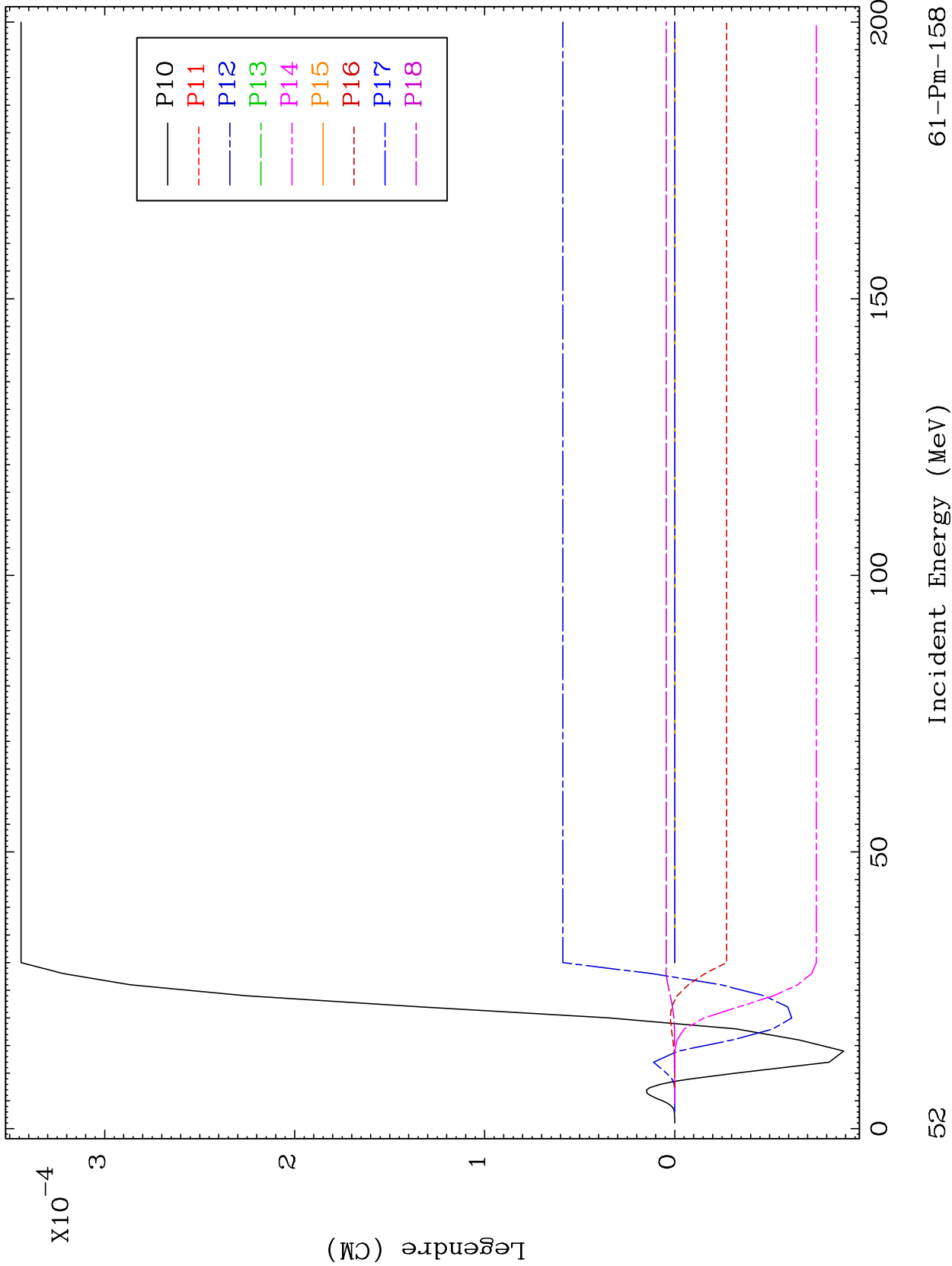
Incident Energy (MeV)

51

MAT 6182

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

61-Pm-158



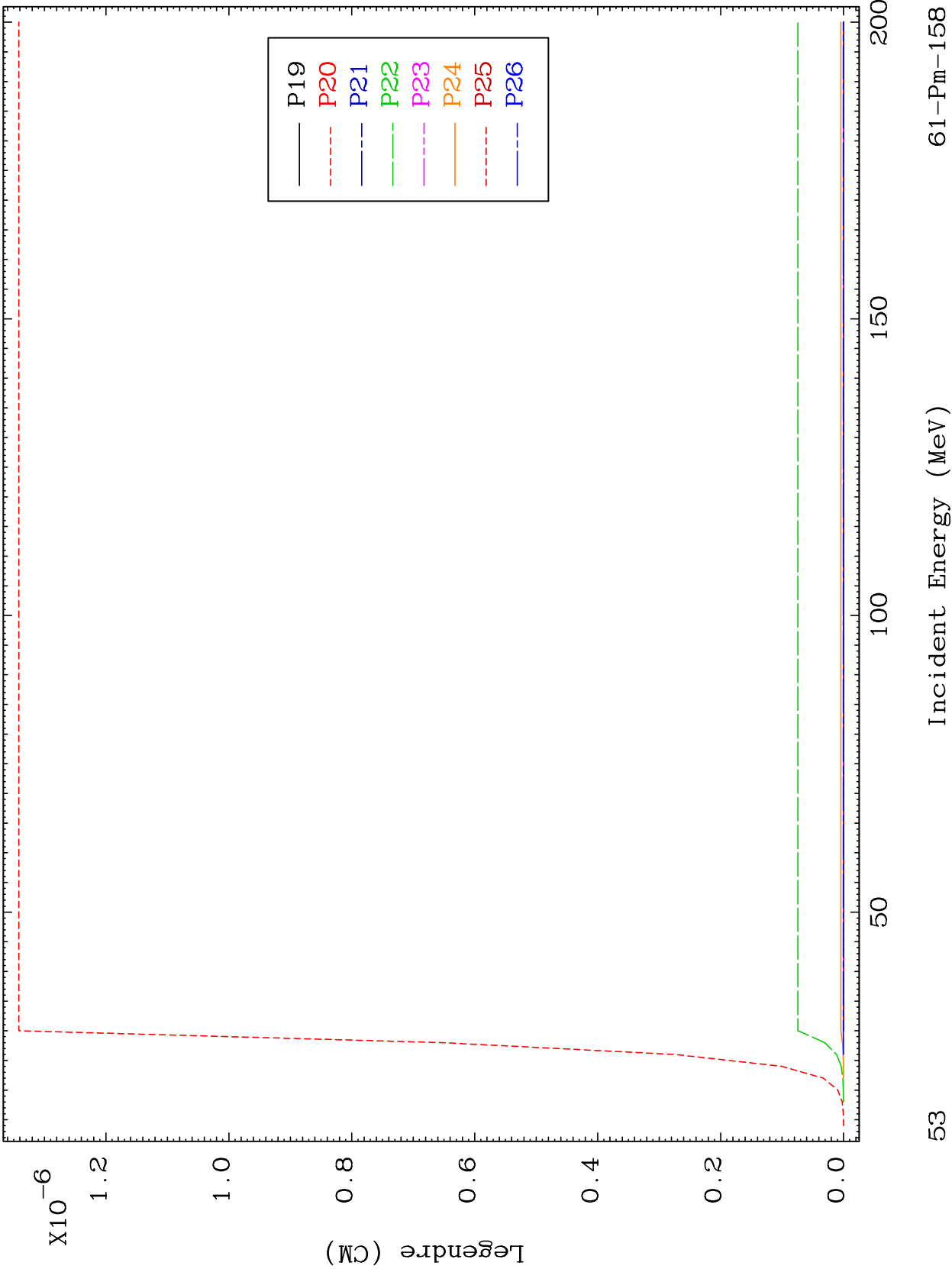
52

61-Pm-158

MAT 6182

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

61-Pm-158



53

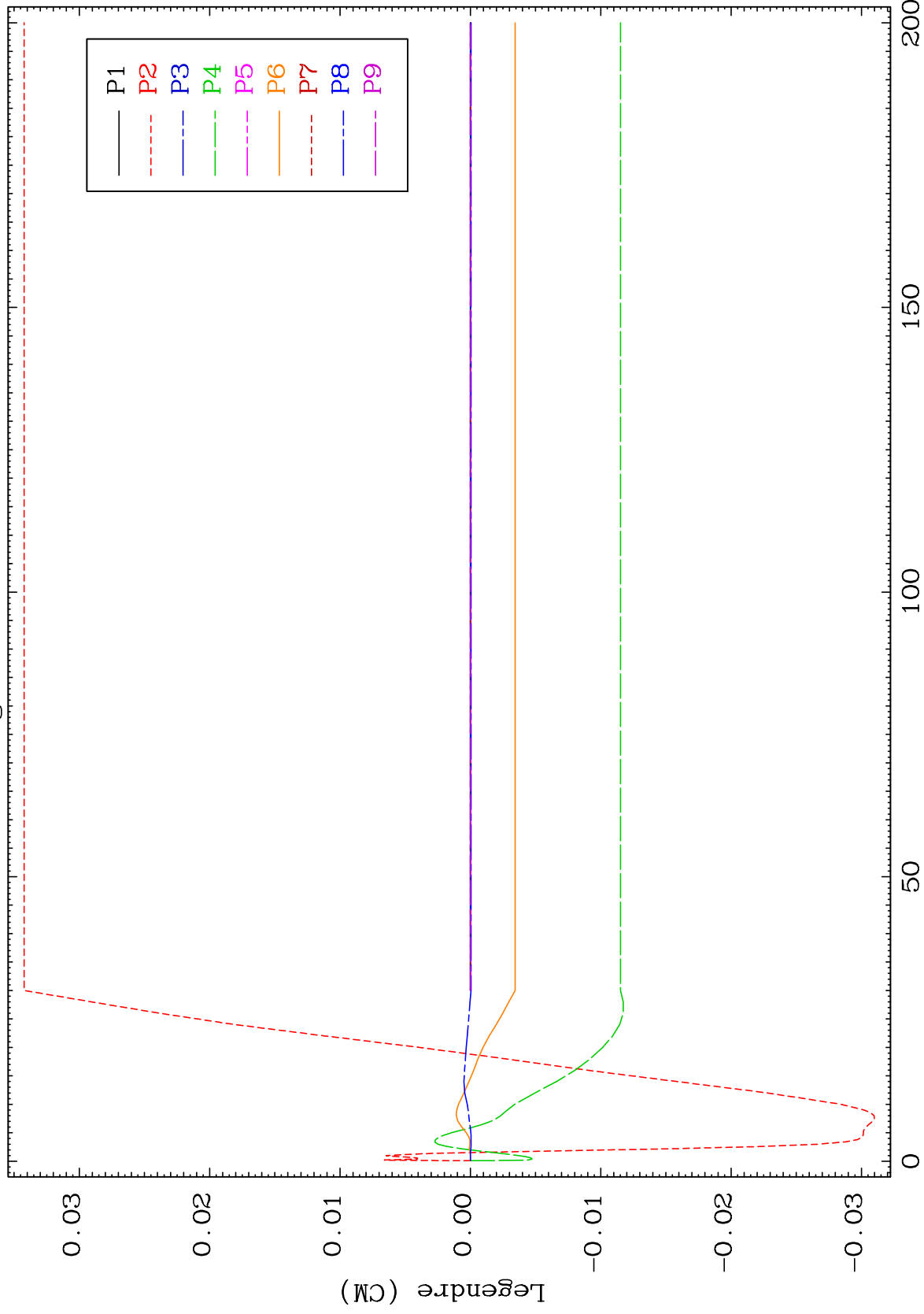
Incident Energy (MeV)

61-Pm-158

MAT 6182

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

61-Pm-158



54

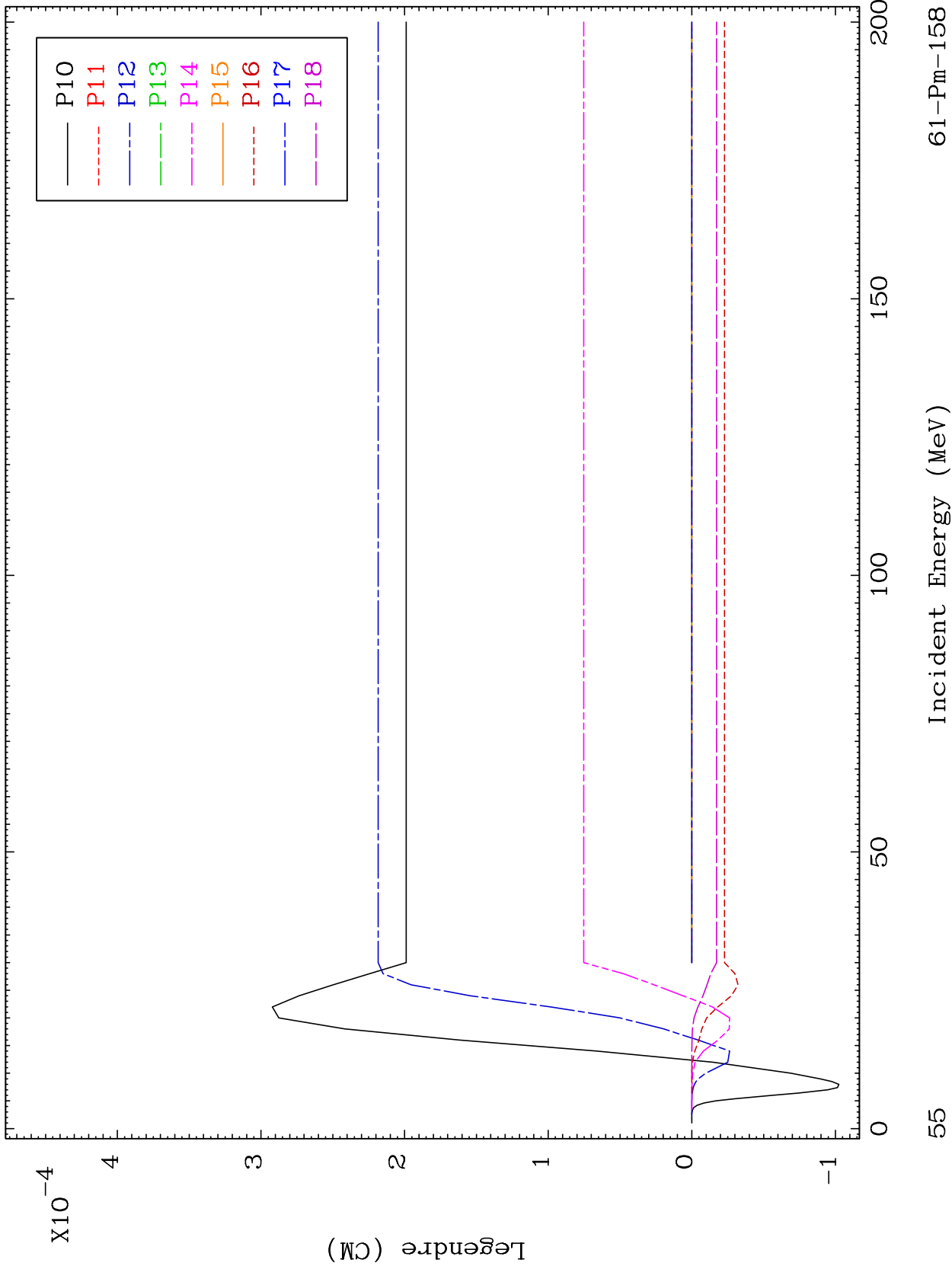
Incident Energy (MeV)

61-Pm-158

MAT 6182

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

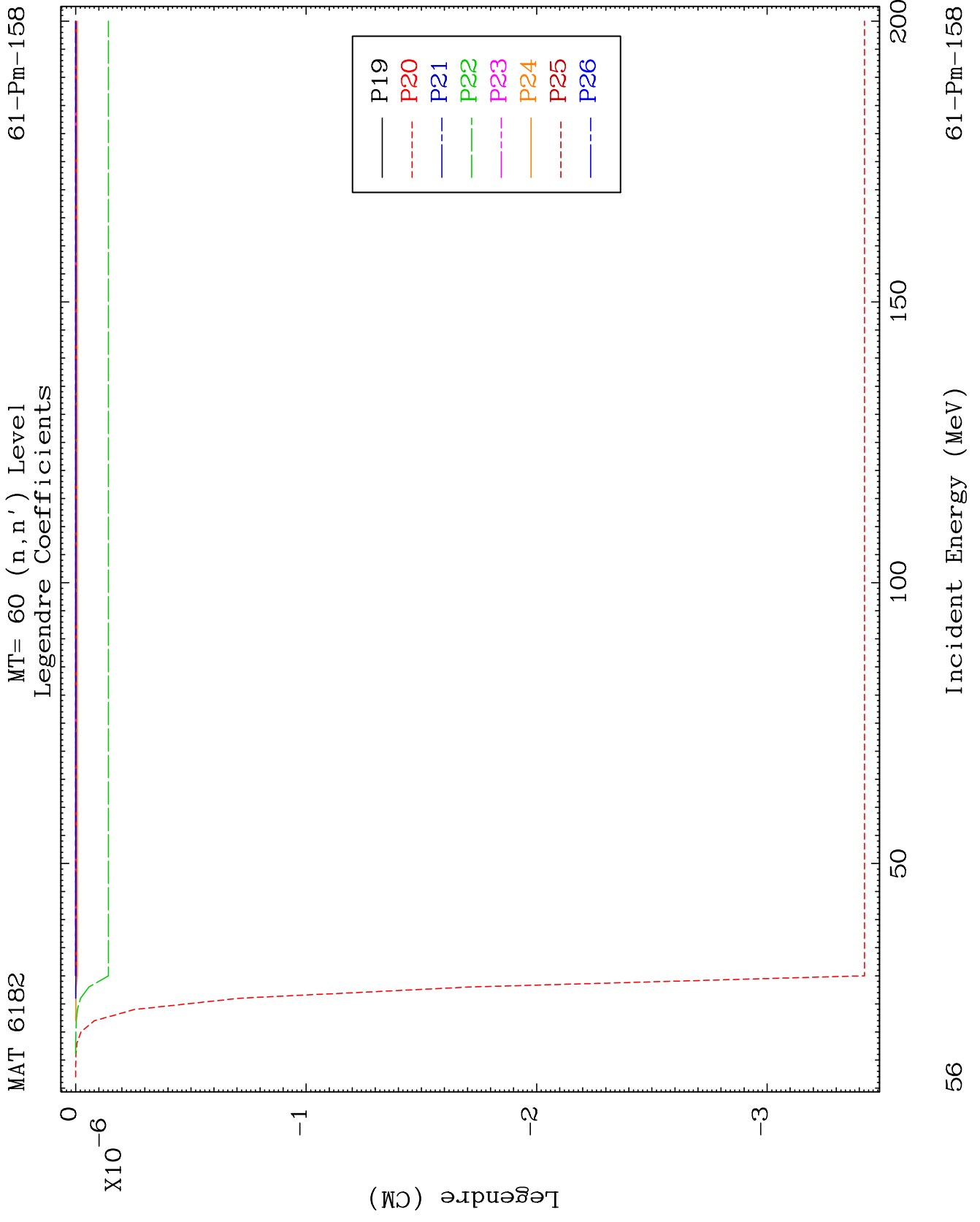
61-Pm-158



61-Pm-158

Incident Energy (MeV)

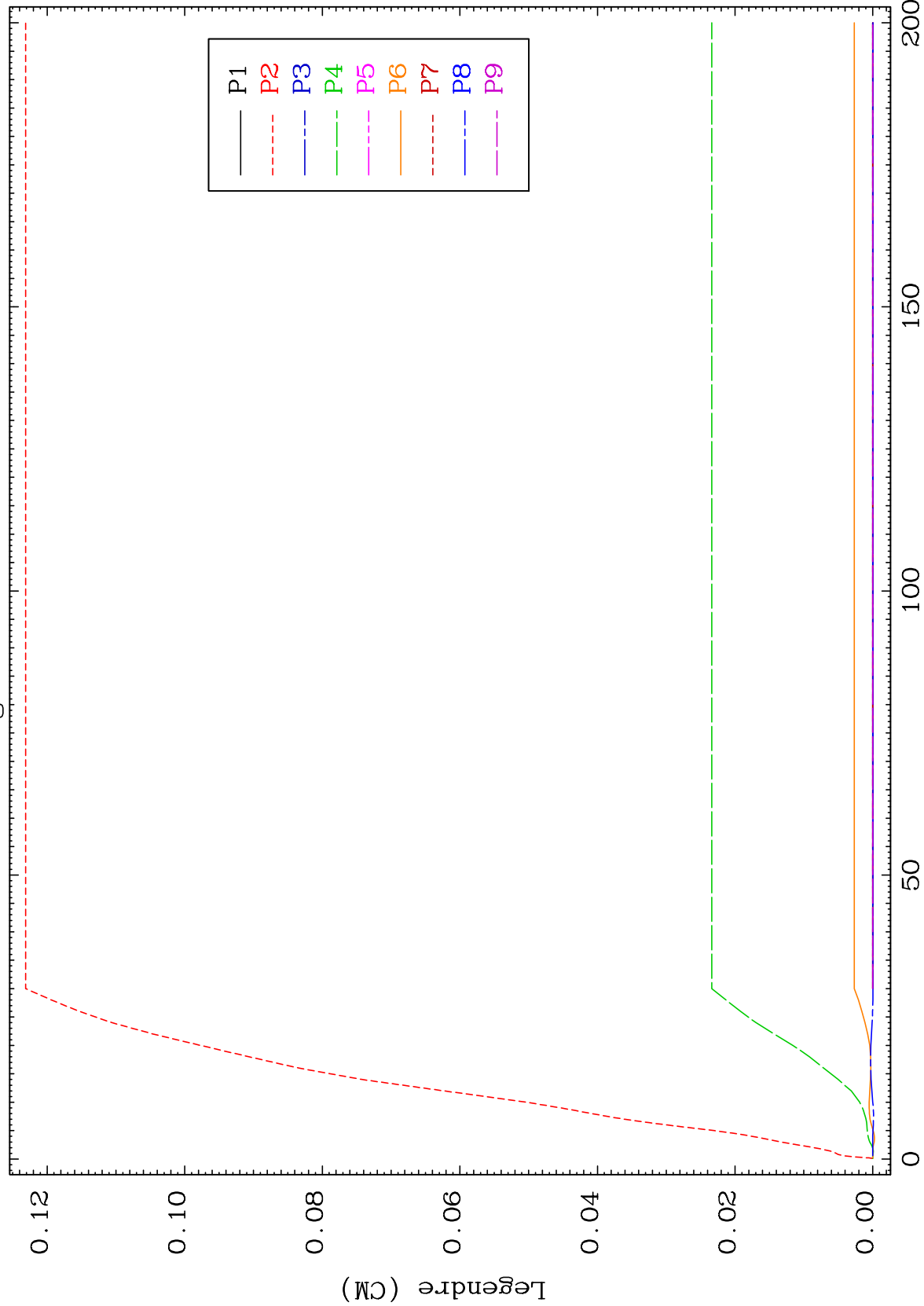
55



MAT 6182

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

61-Pm-158



57

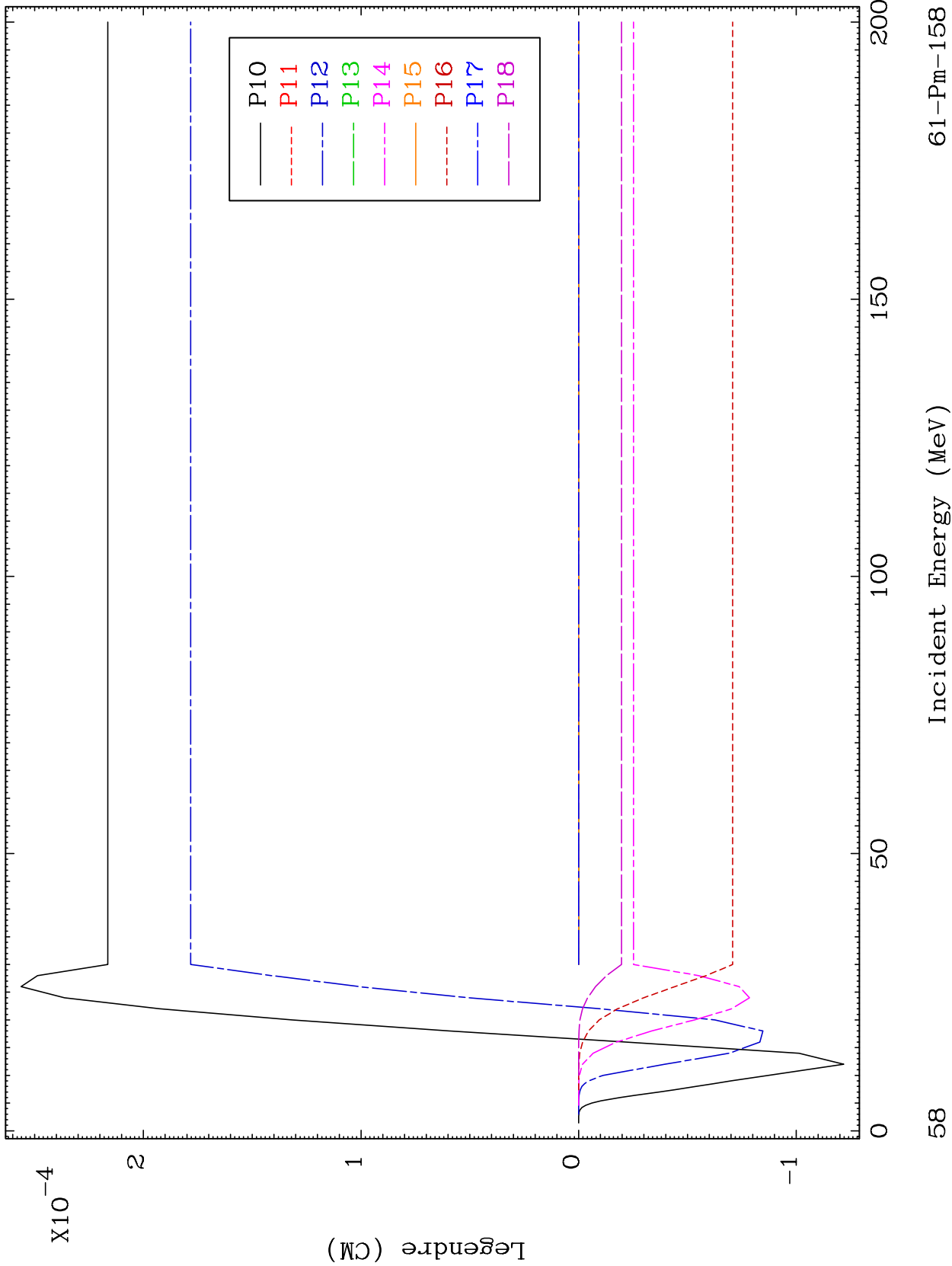
Incident Energy (MeV)

61-Pm-158

MAT 6182

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

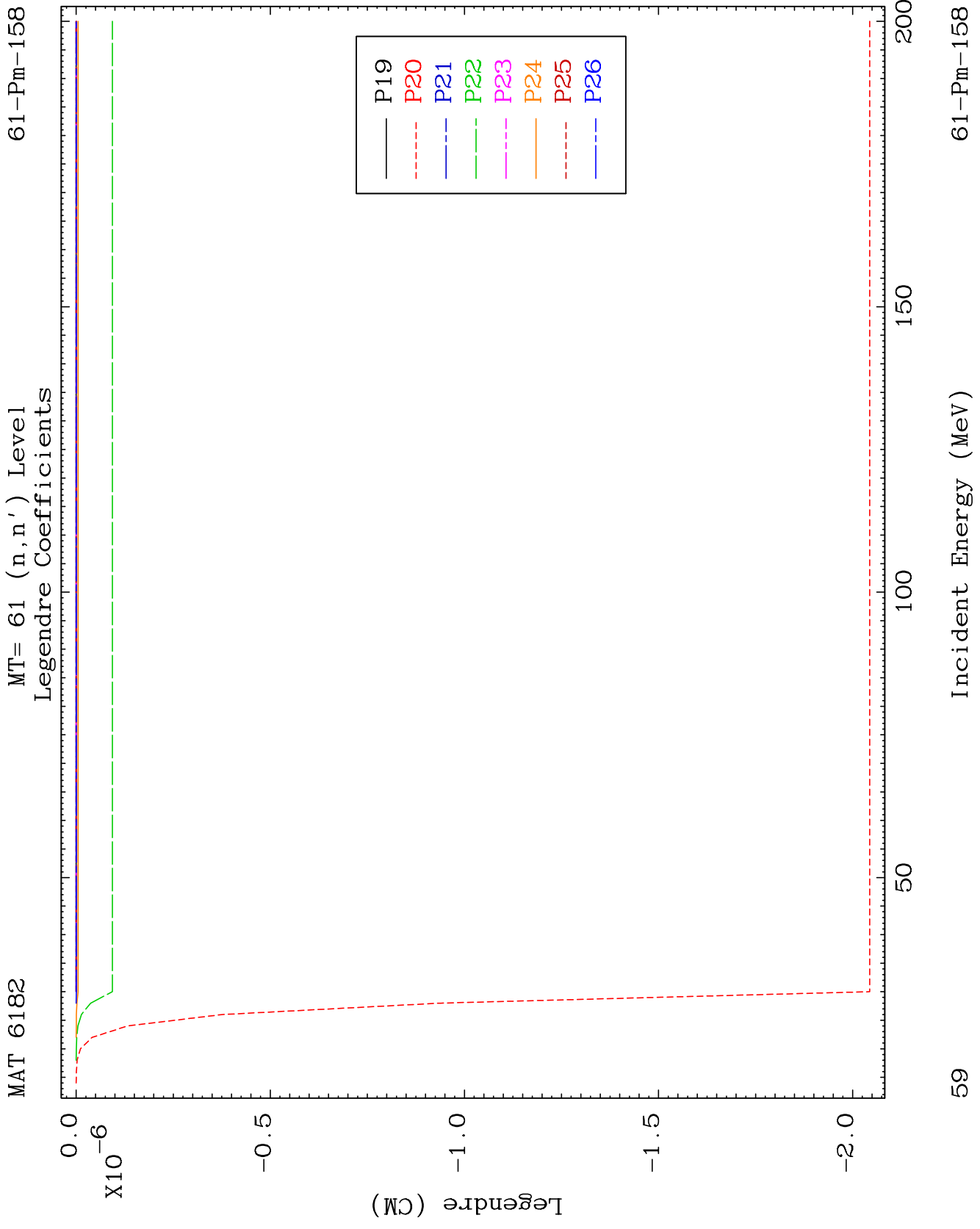
61-Pm-158

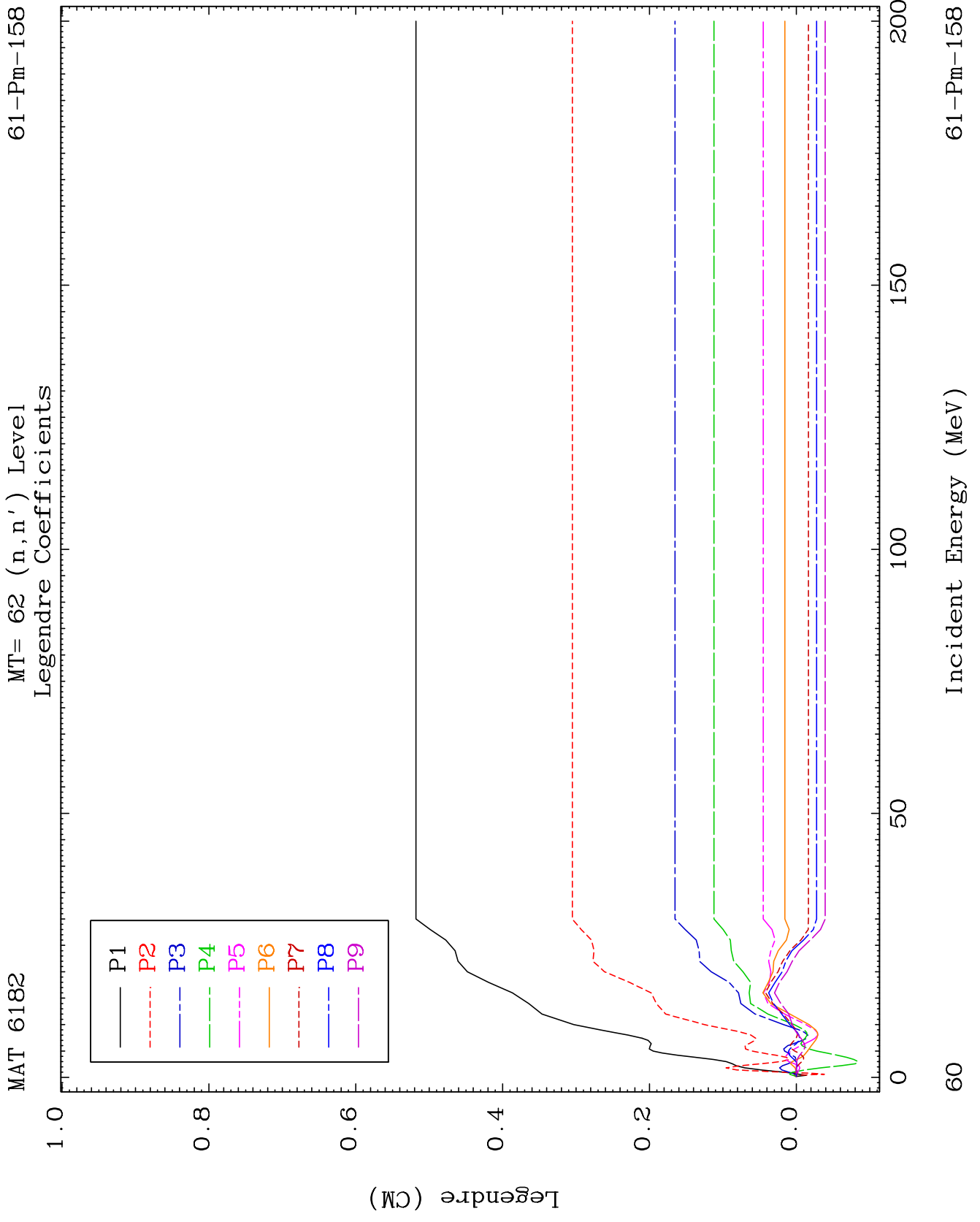


61-Pm-158

Incident Energy (MeV)

58

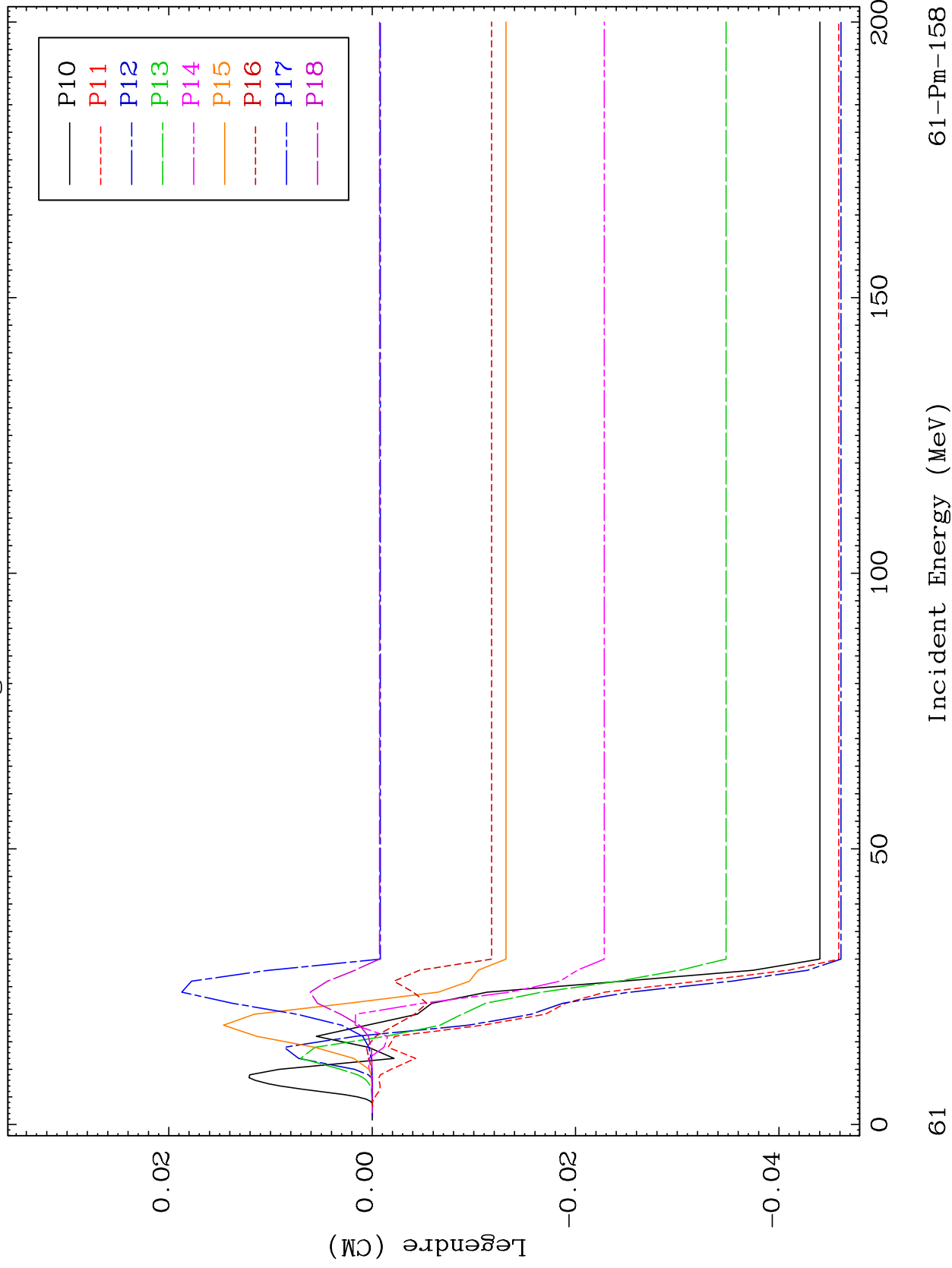




MAT 6182

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

61-Pm-158



61-Pm-158

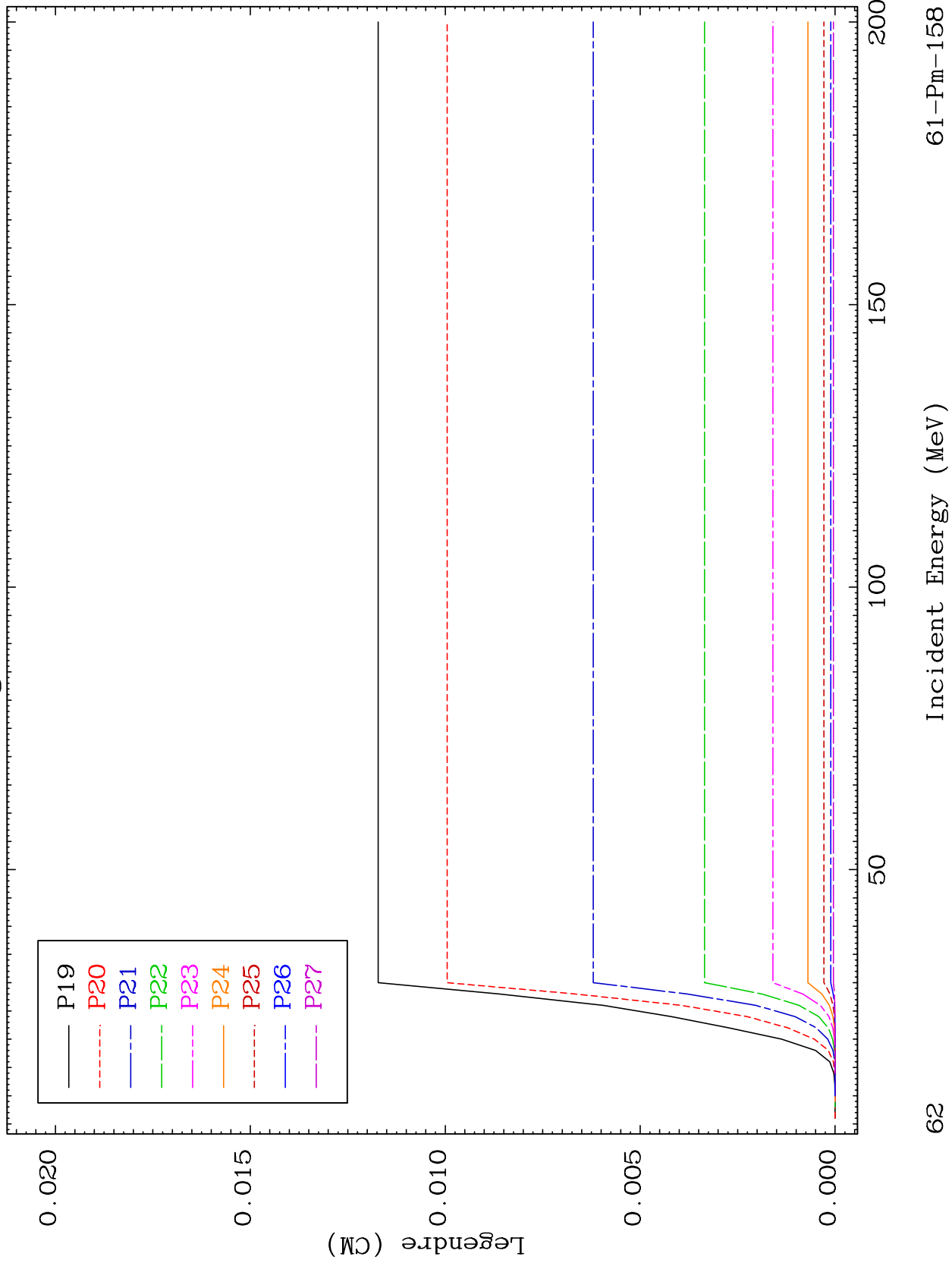
Incident Energy (MeV)

61

MAT 6182

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

61-Pm-158



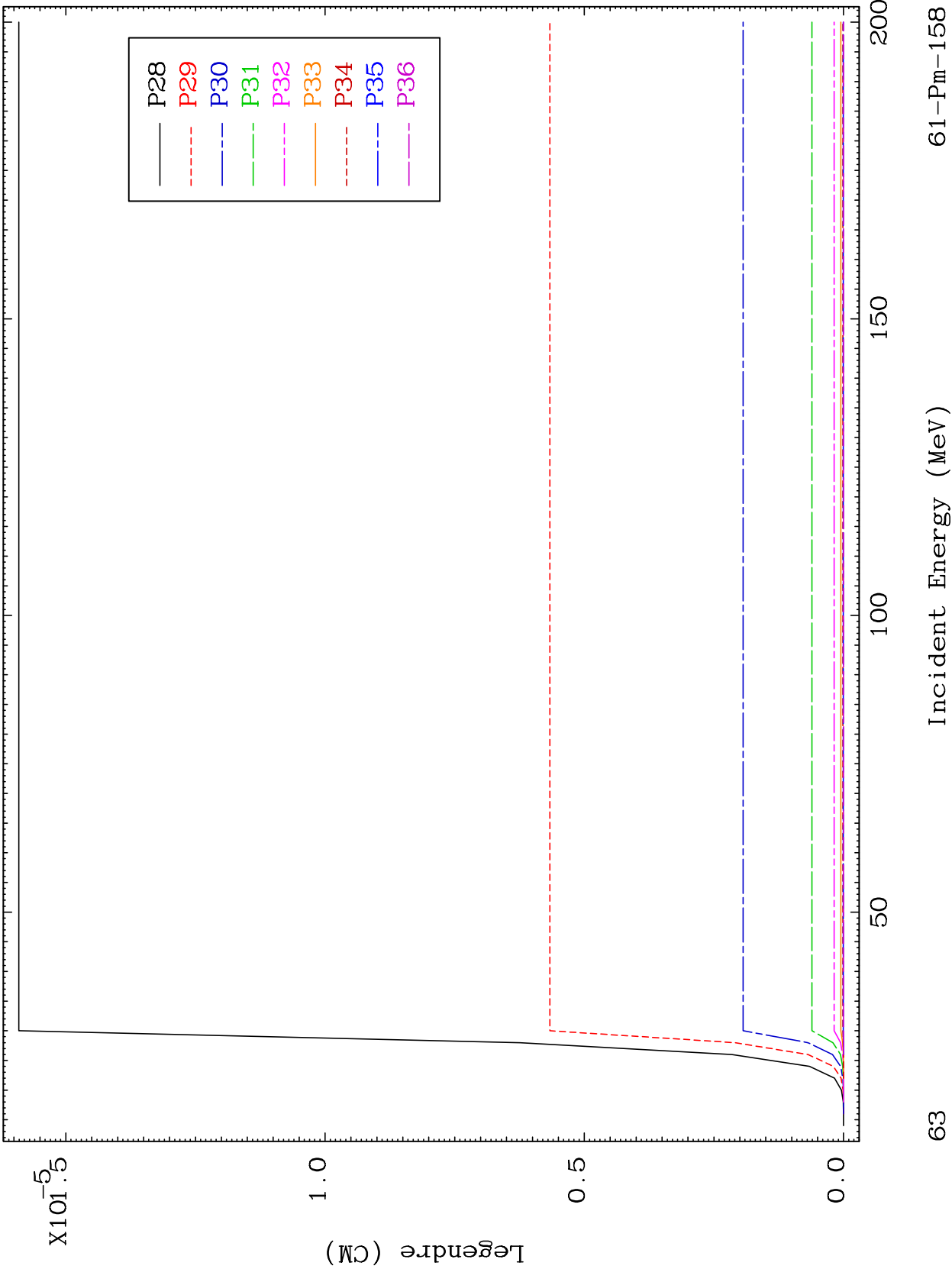
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61-Pm-158

MAT 6182

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

61-Pm-158



63

Incident Energy (MeV)

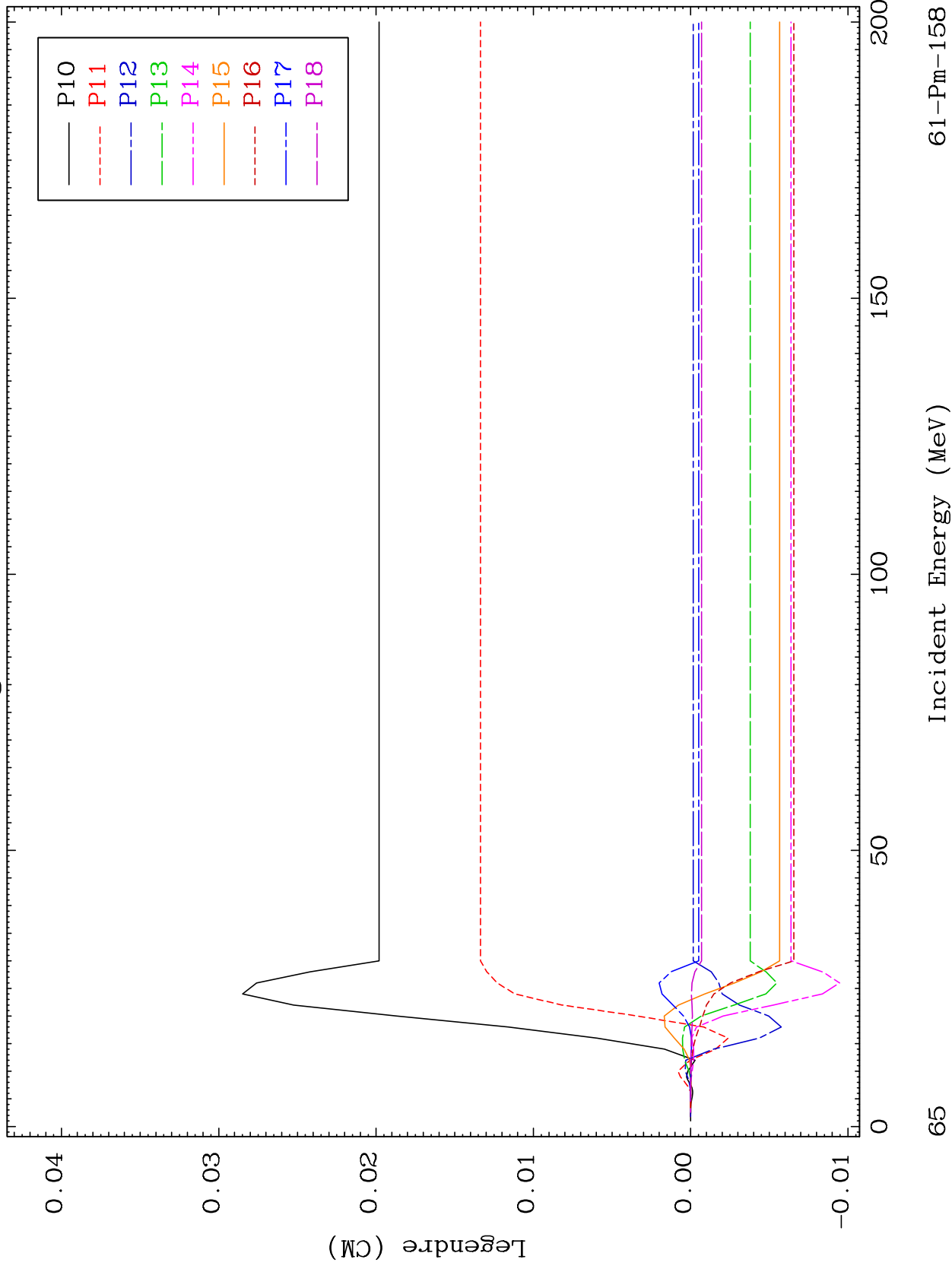
61-Pm-158



MAT 6182

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

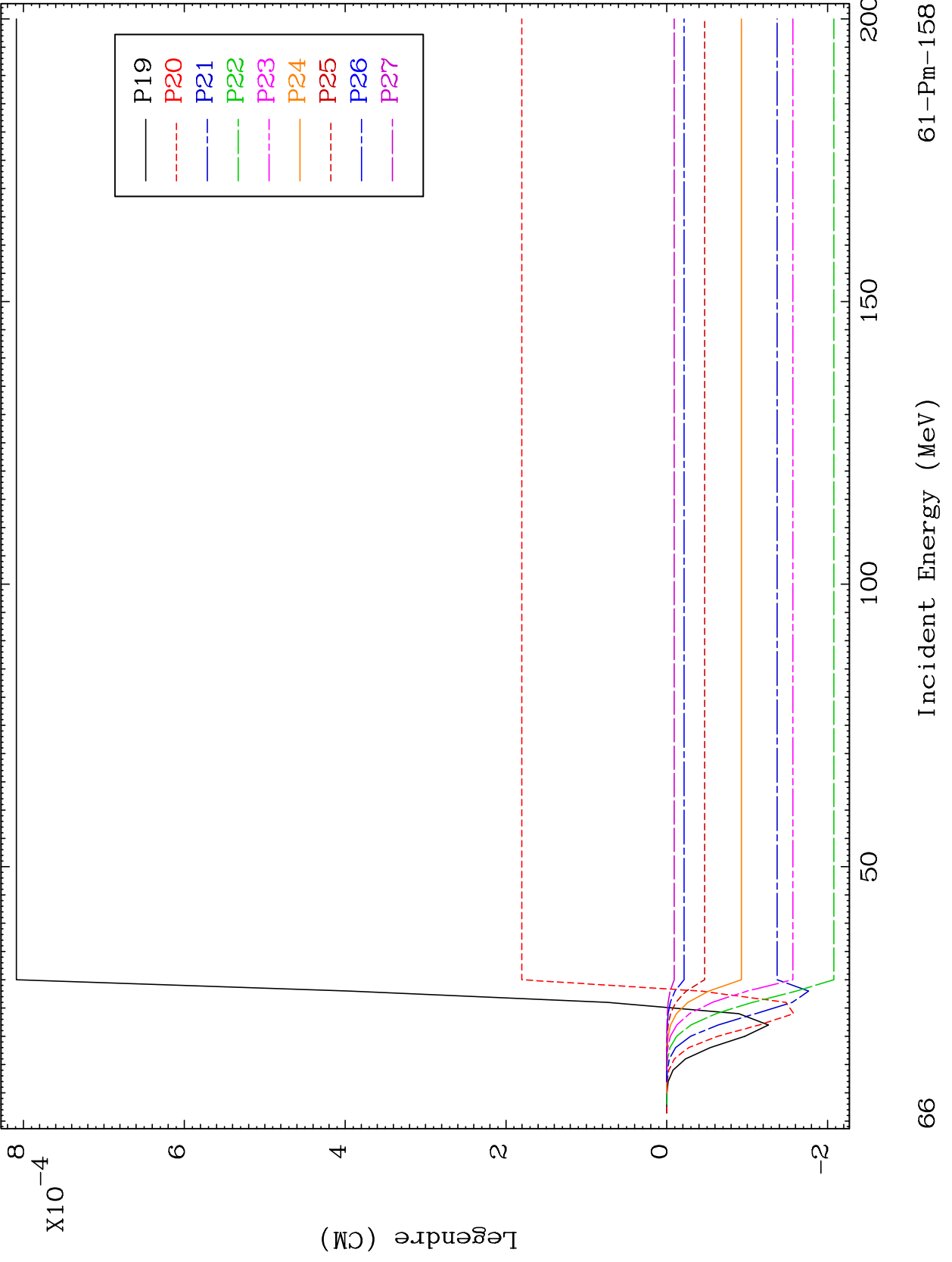
61-Pm-158



61-Pm-158

Incident Energy (MeV)

65

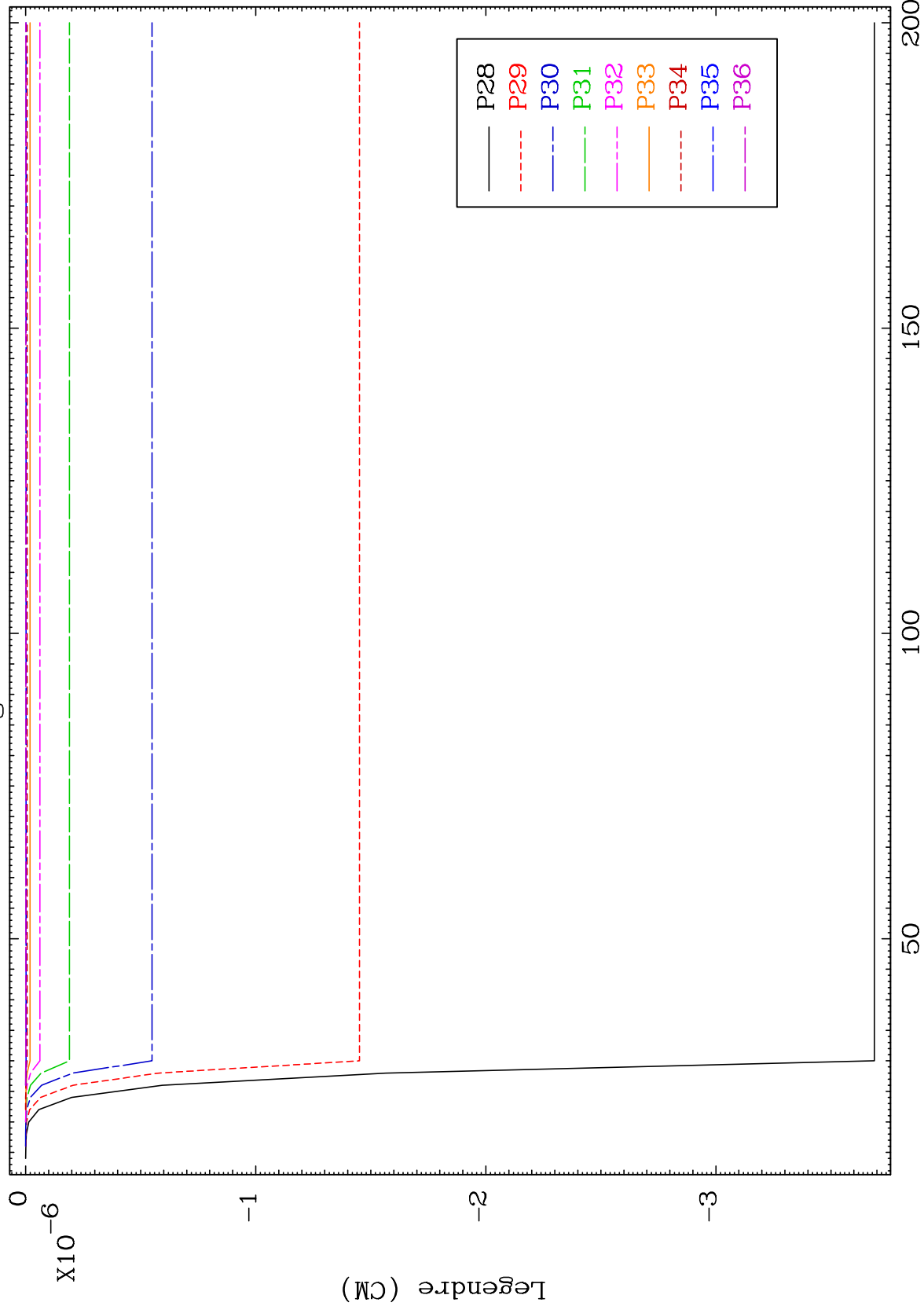


MAT 6182

MT= 63 (n,n') Level

61-Pm-158

Legendre Coefficients



61-Pm-158

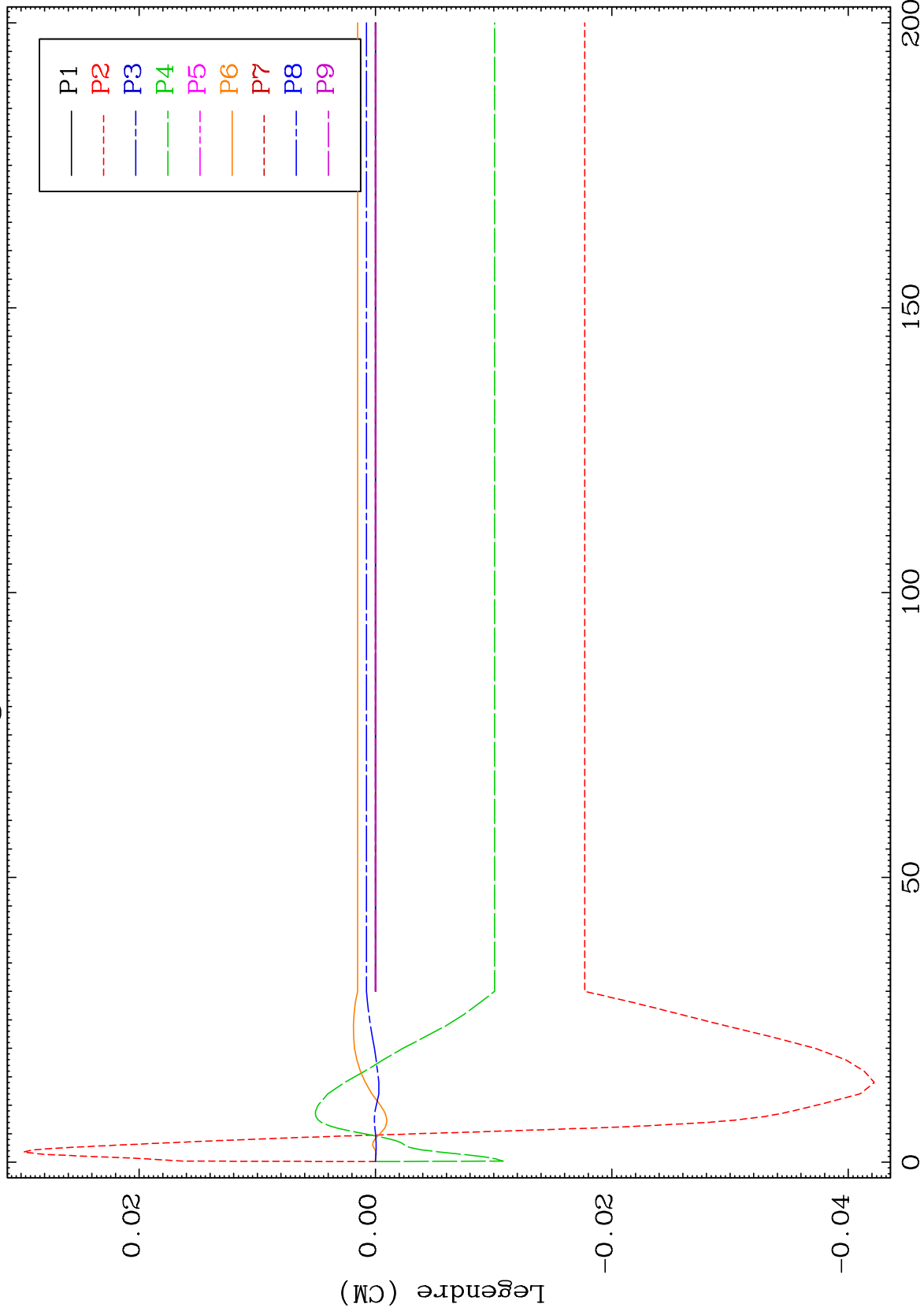
Incident Energy (MeV)

67

MAT 6182

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

61-Pm-158



68

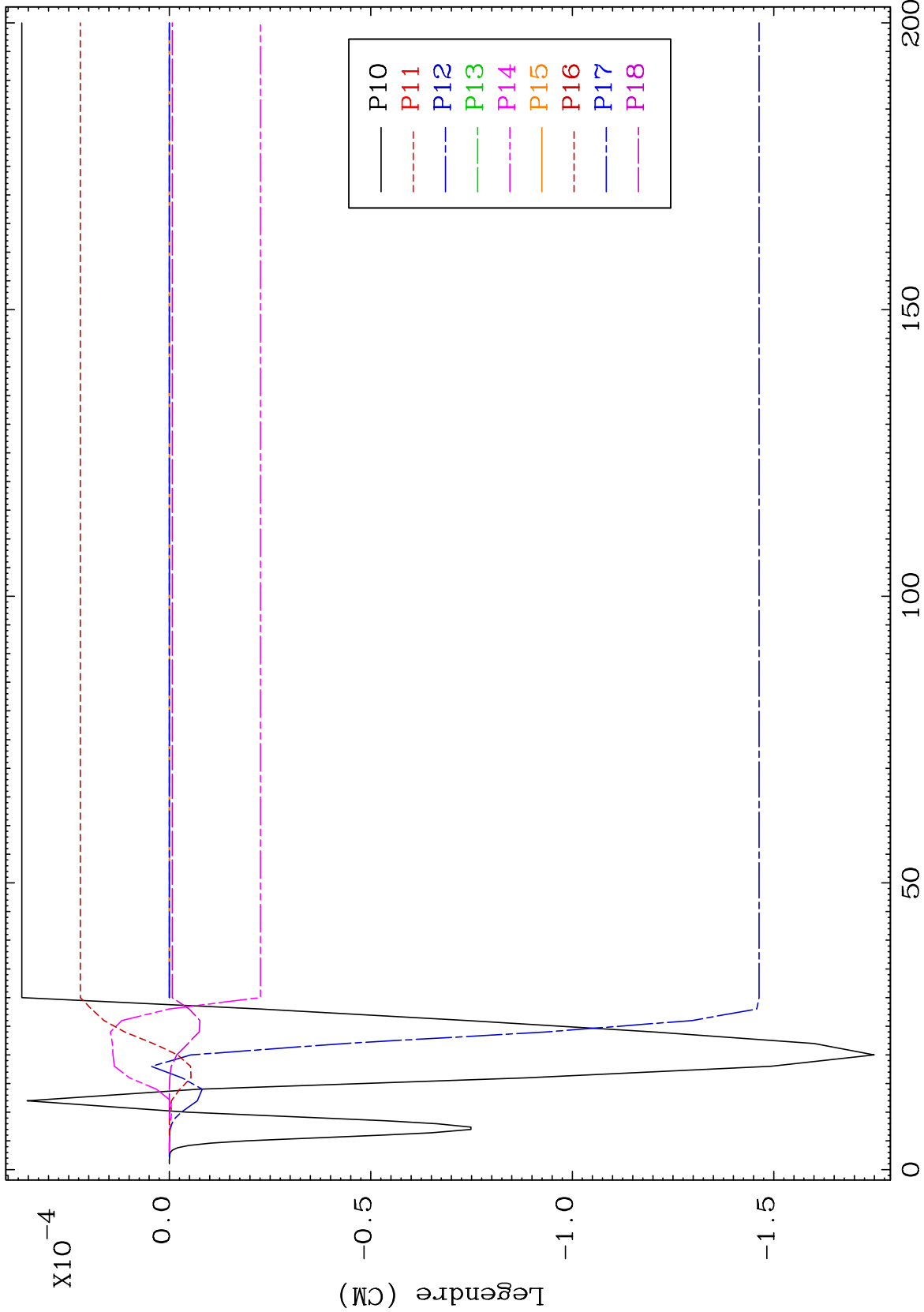
Incident Energy (MeV)

61-Pm-158

MAT 6182

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

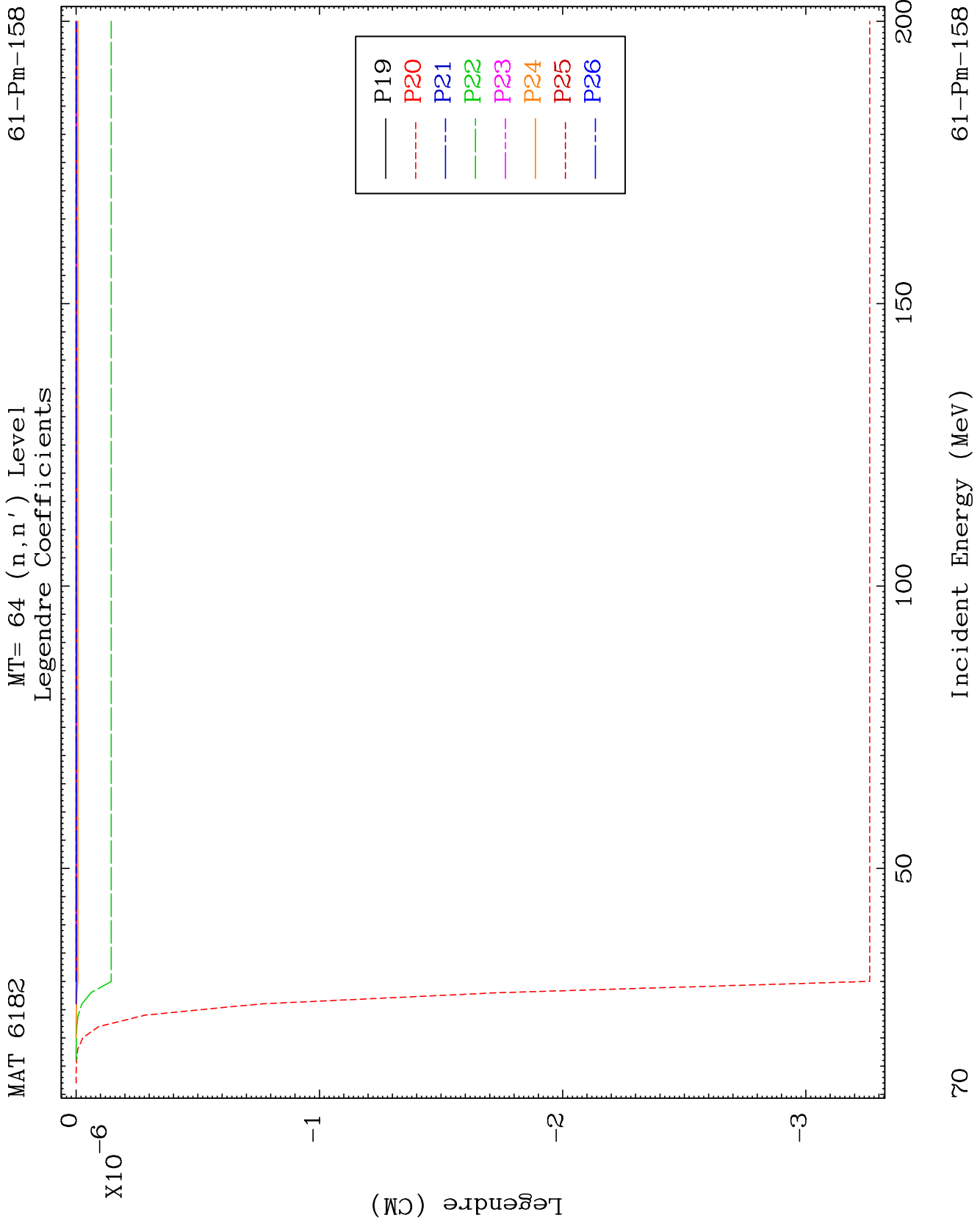
61-Pm-158



69

Incident Energy (MeV)

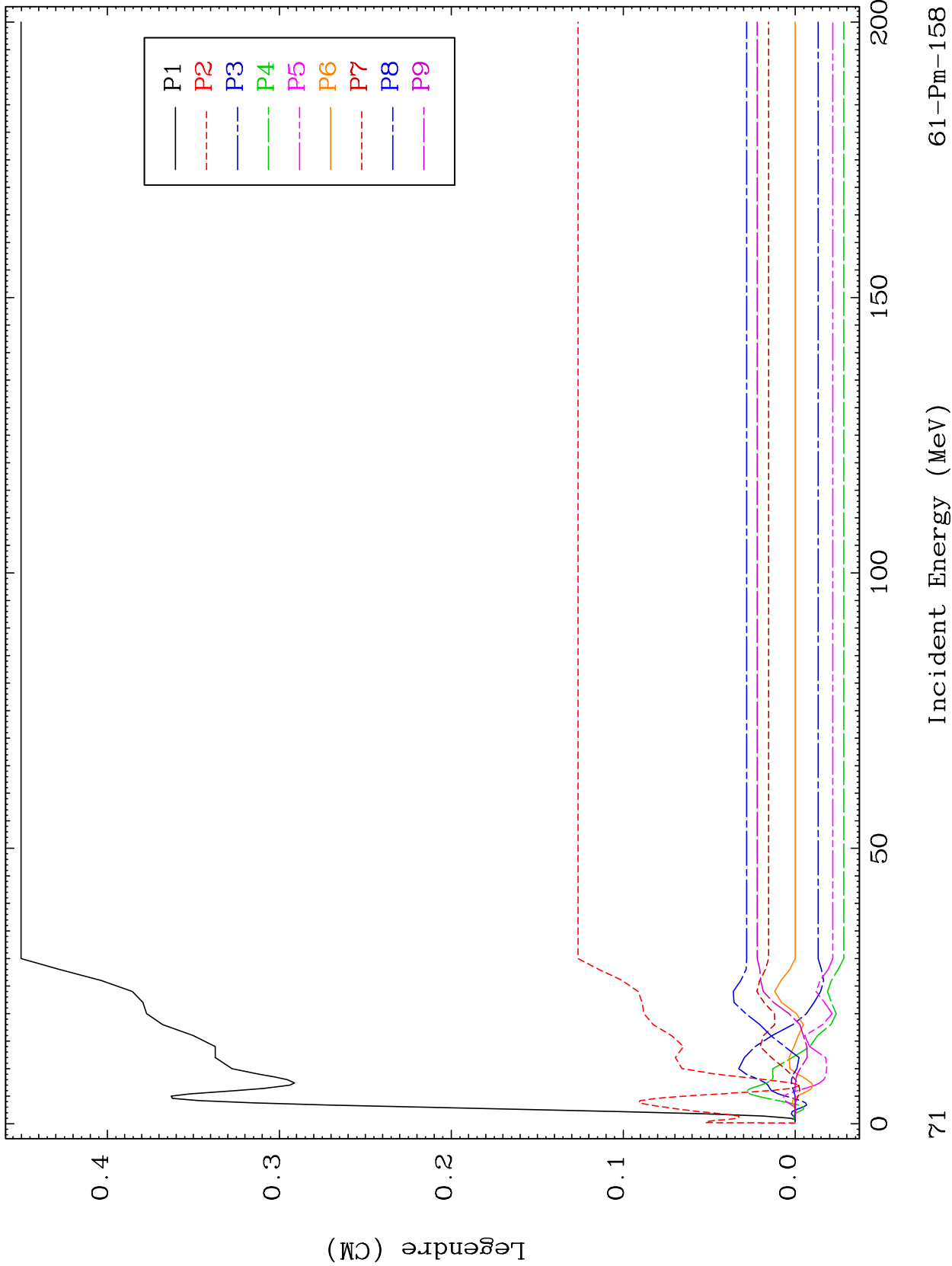
61-Pm-158



MAT 6182

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

61-Pm-158



61-Pm-158

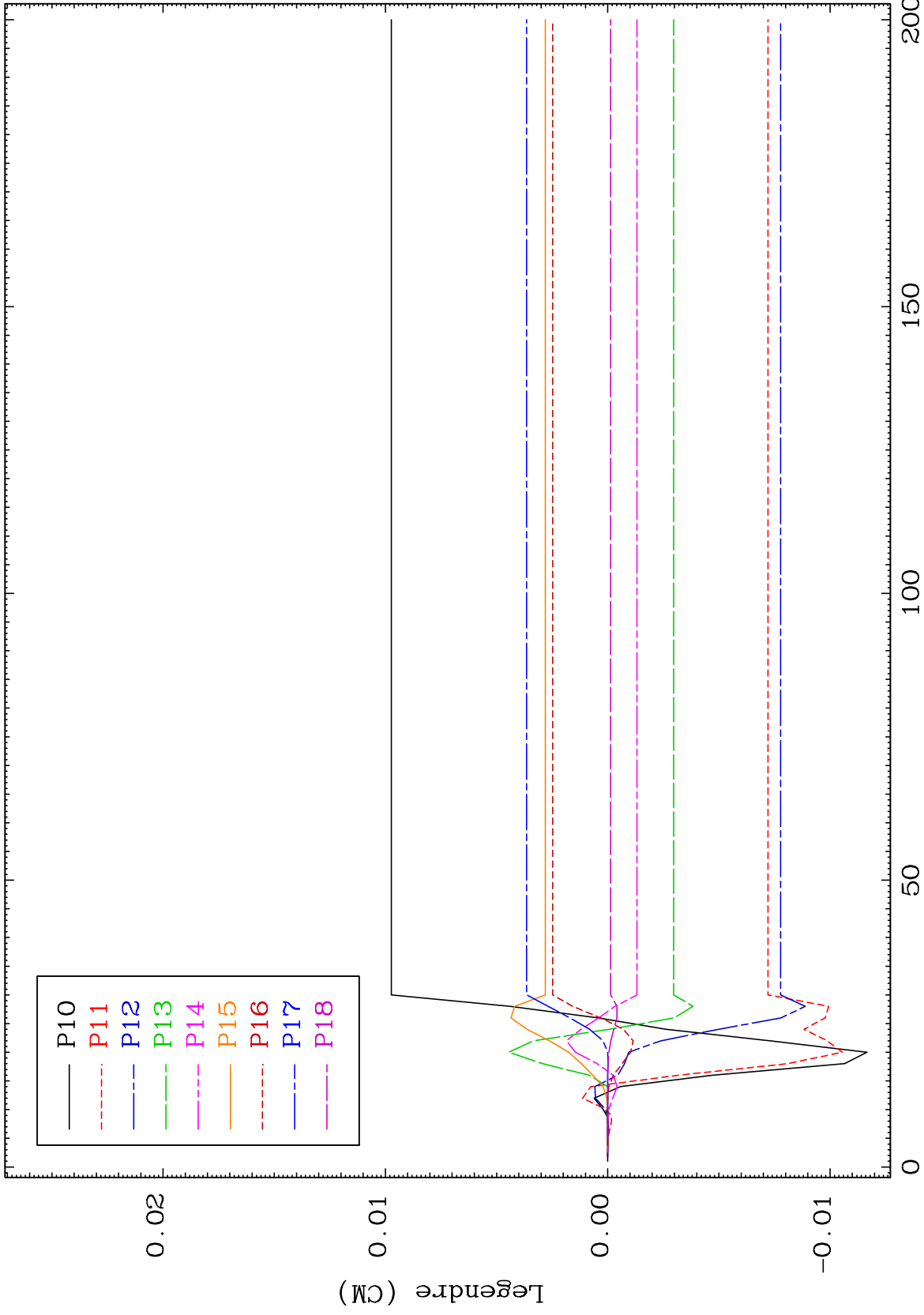
Incident Energy (MeV)

71

MAT 6182

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

61-Pm-158



72

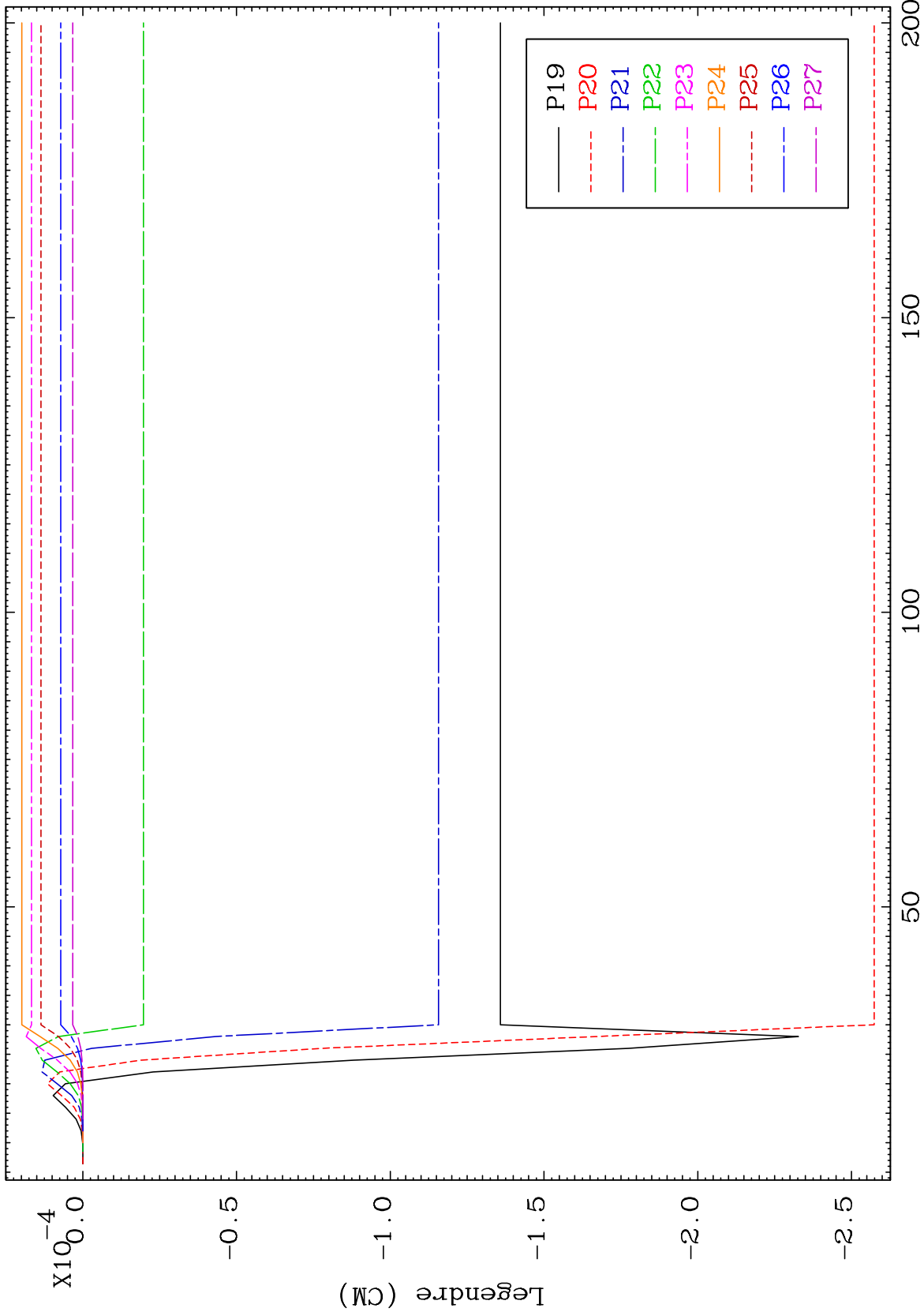
Incident Energy (MeV)

61-Pm-158

MAT 6182

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

61-Pm-158



73

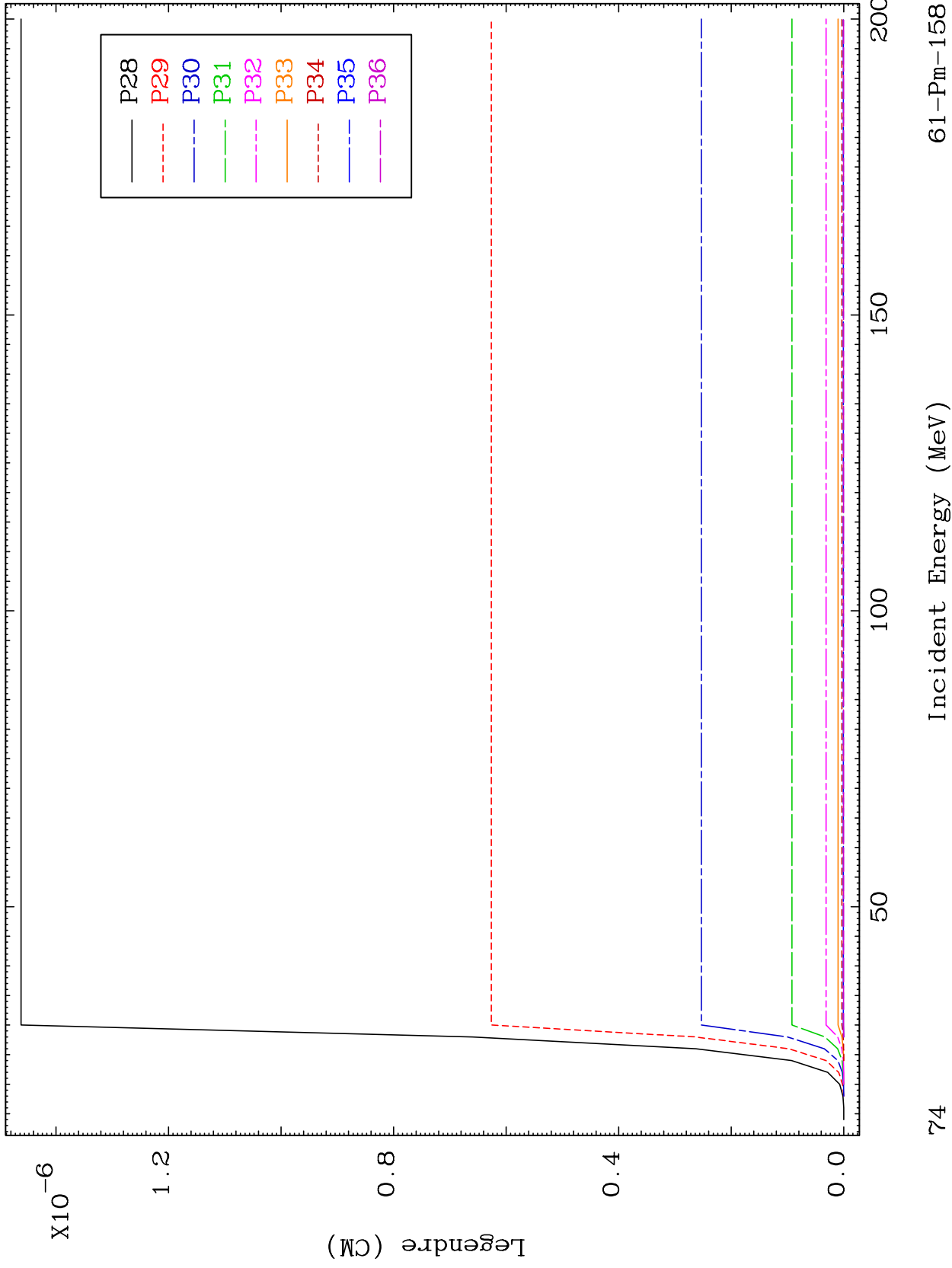
Incident Energy (MeV)

61-Pm-158

MAT 6182

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

61-Pm-158



74

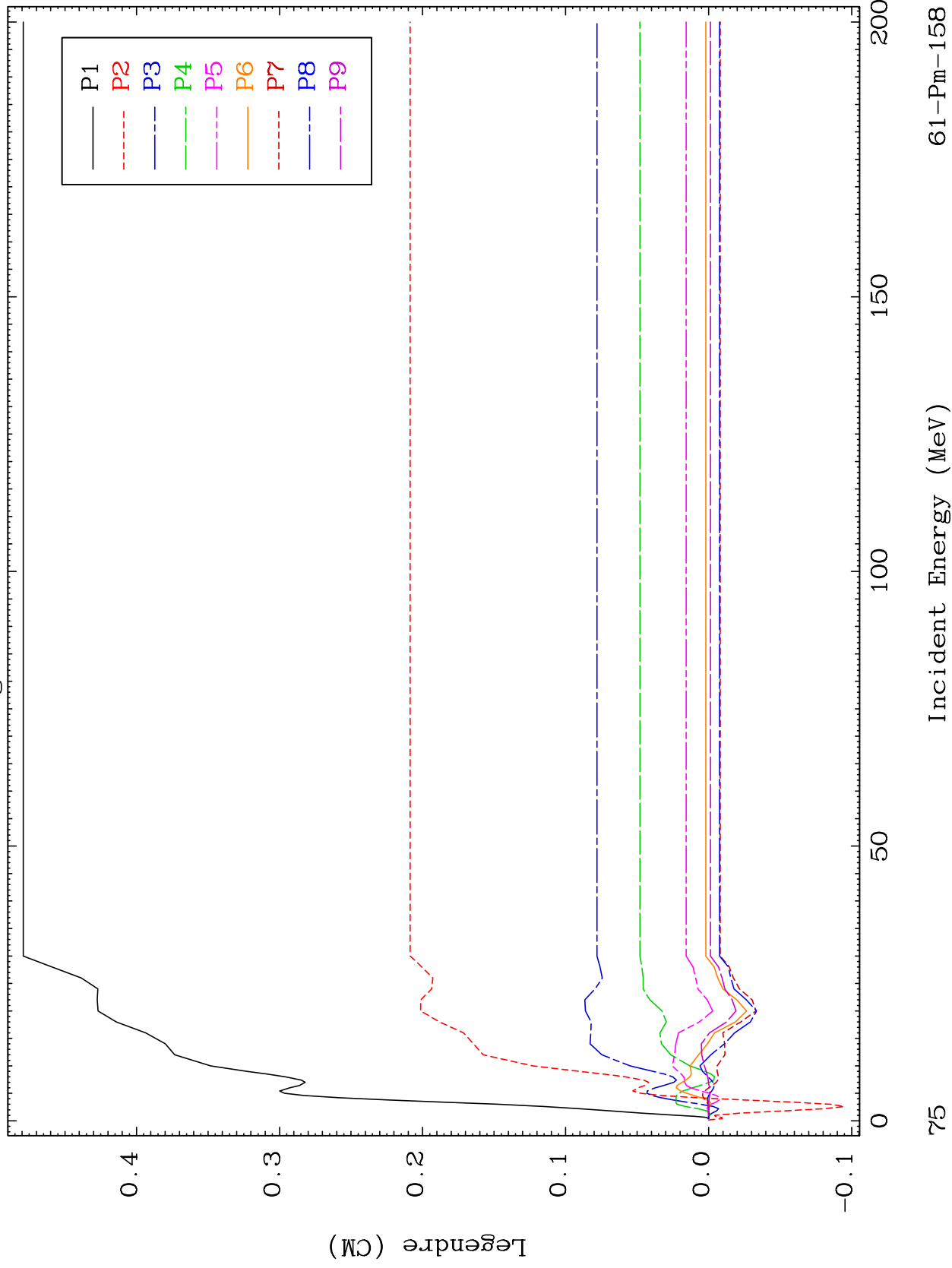
Incident Energy (MeV)

61-Pm-158

MAT 6182

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

61-Pm-158



61-Pm-158

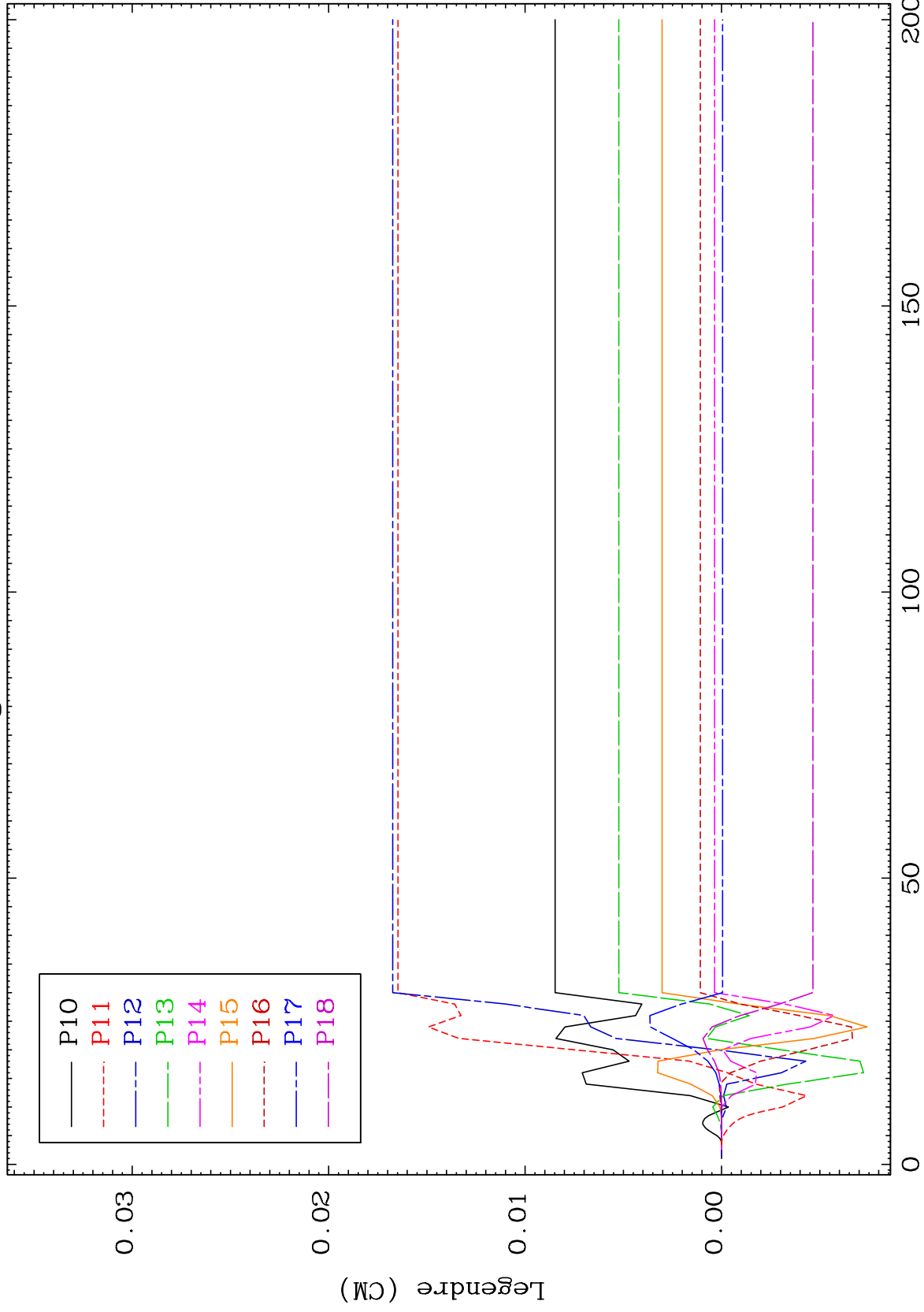
Incident Energy (MeV)

75

MAT 6182

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

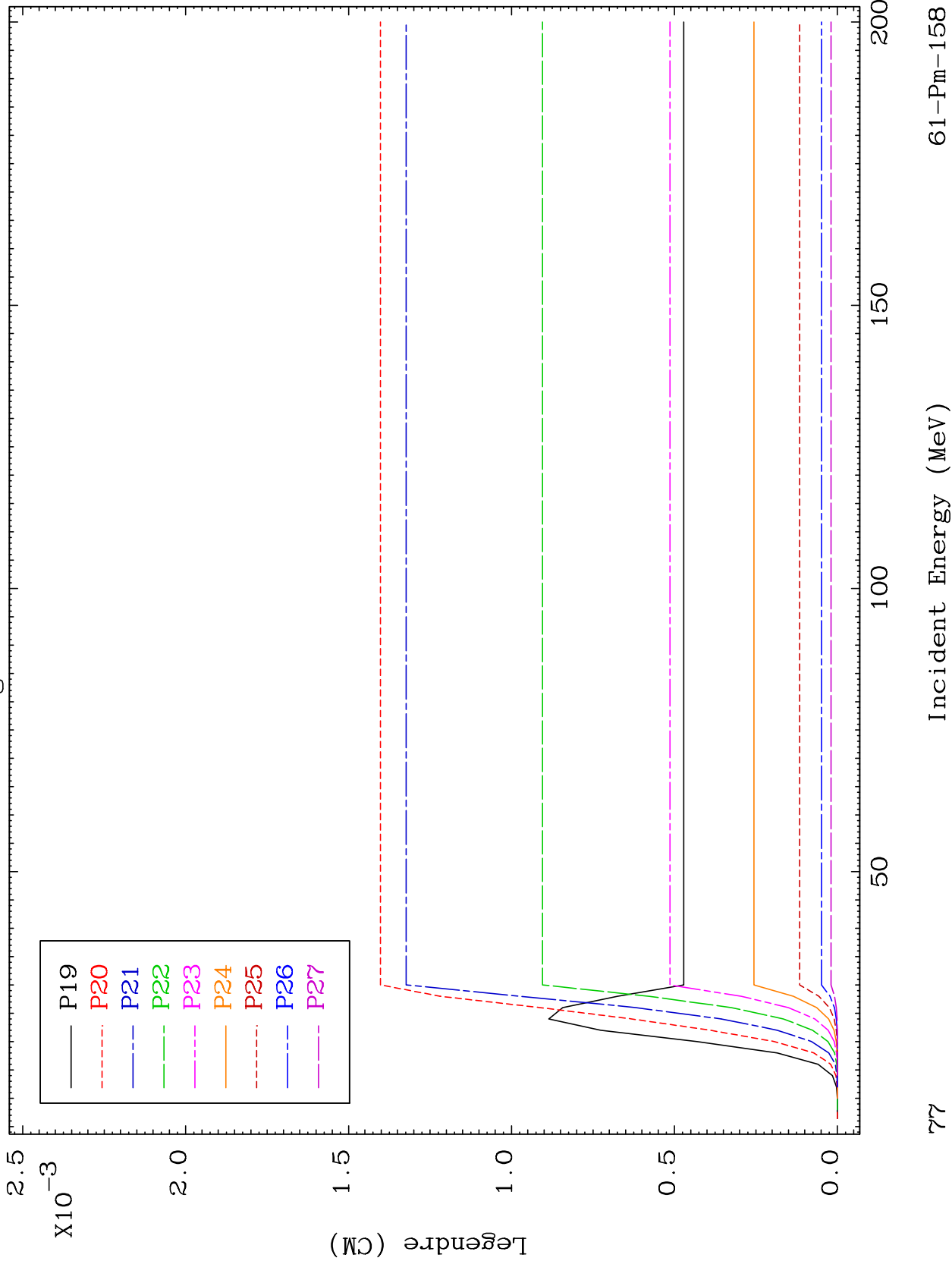
61-Pm-158



76

Incident Energy (MeV)

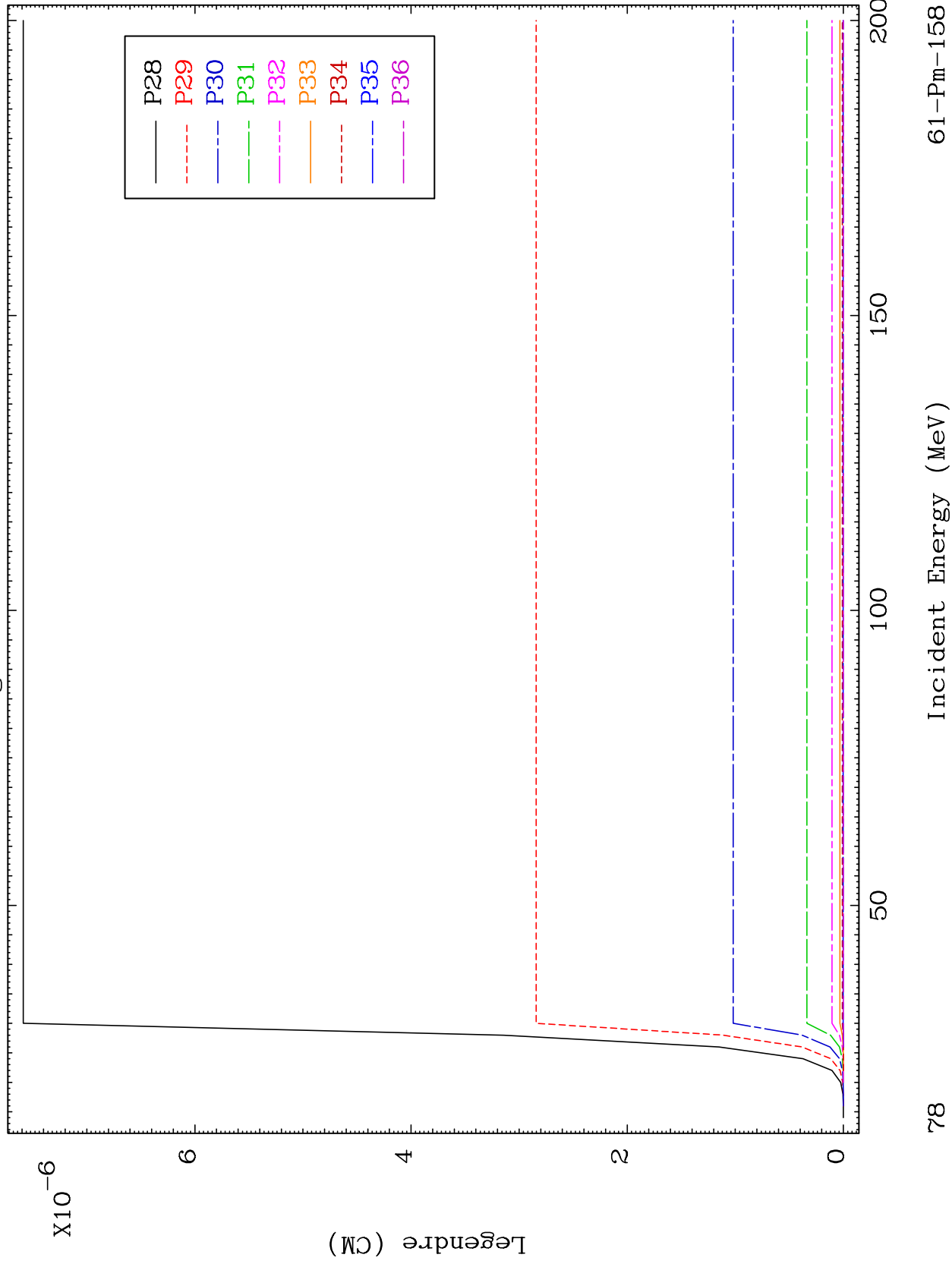
61-Pm-158



MAT 6182

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

61-Pm-158



78

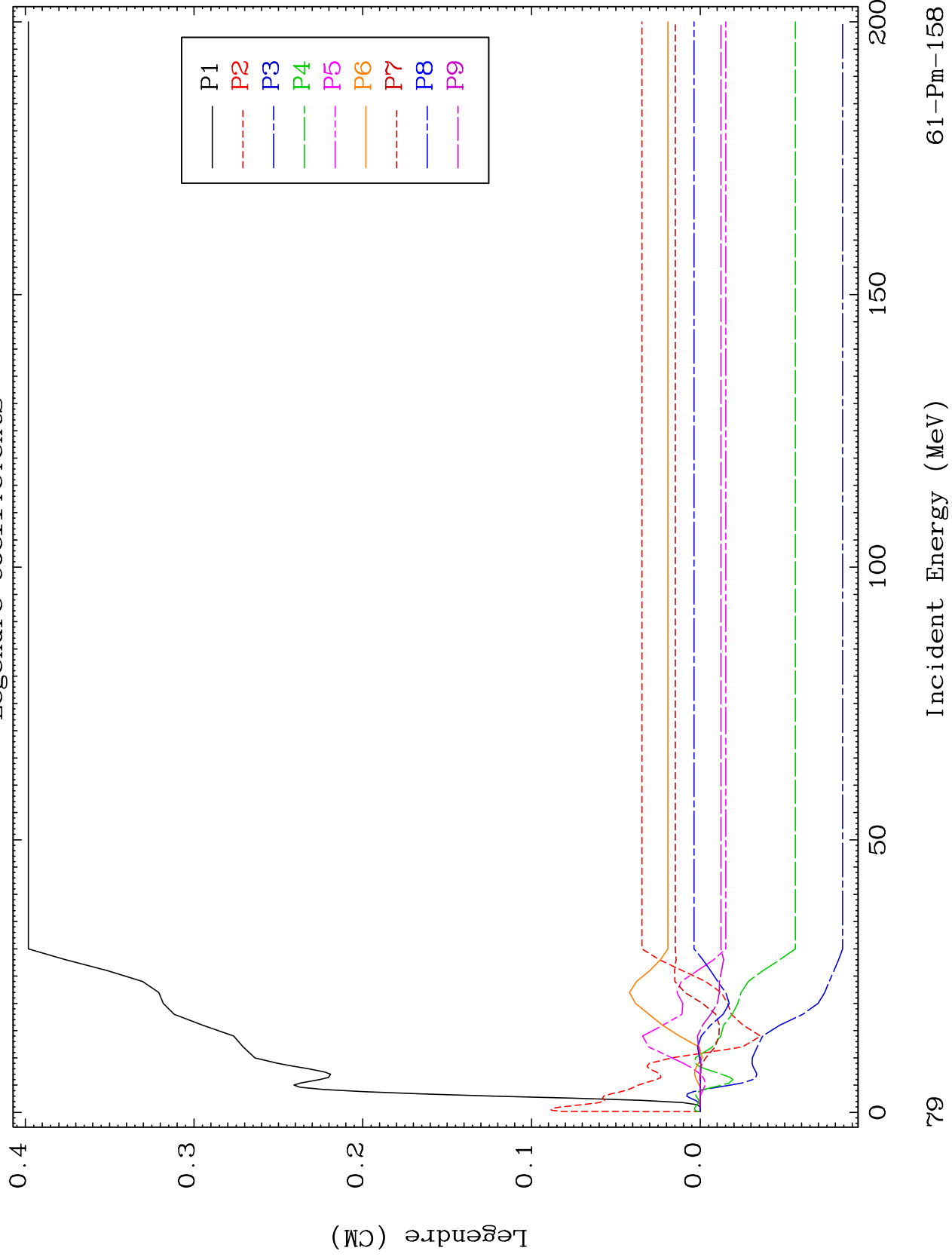
Incident Energy (MeV)

61-Pm-158

MAT 6182

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

61-Pm-158



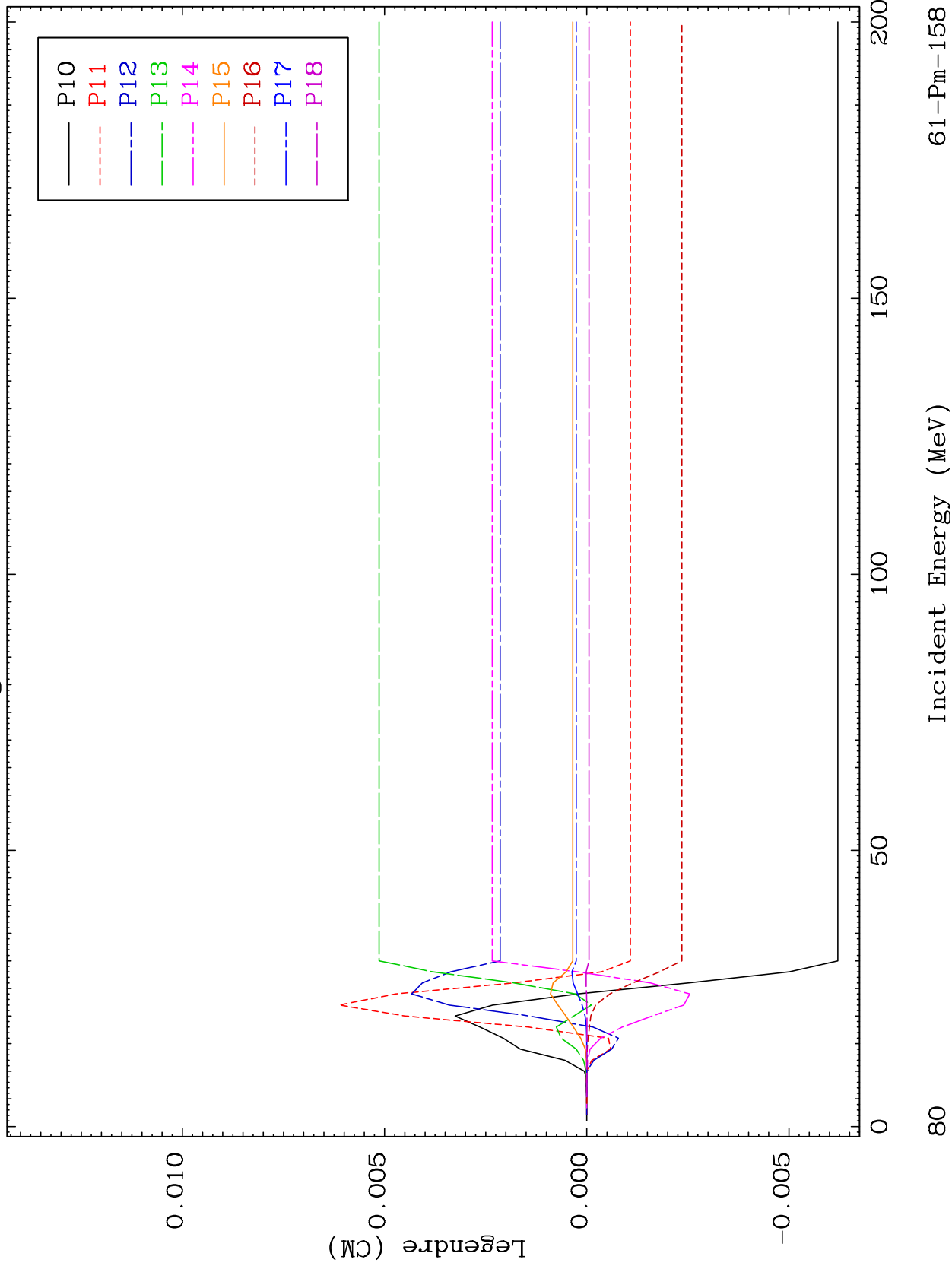
79

61-Pm-158

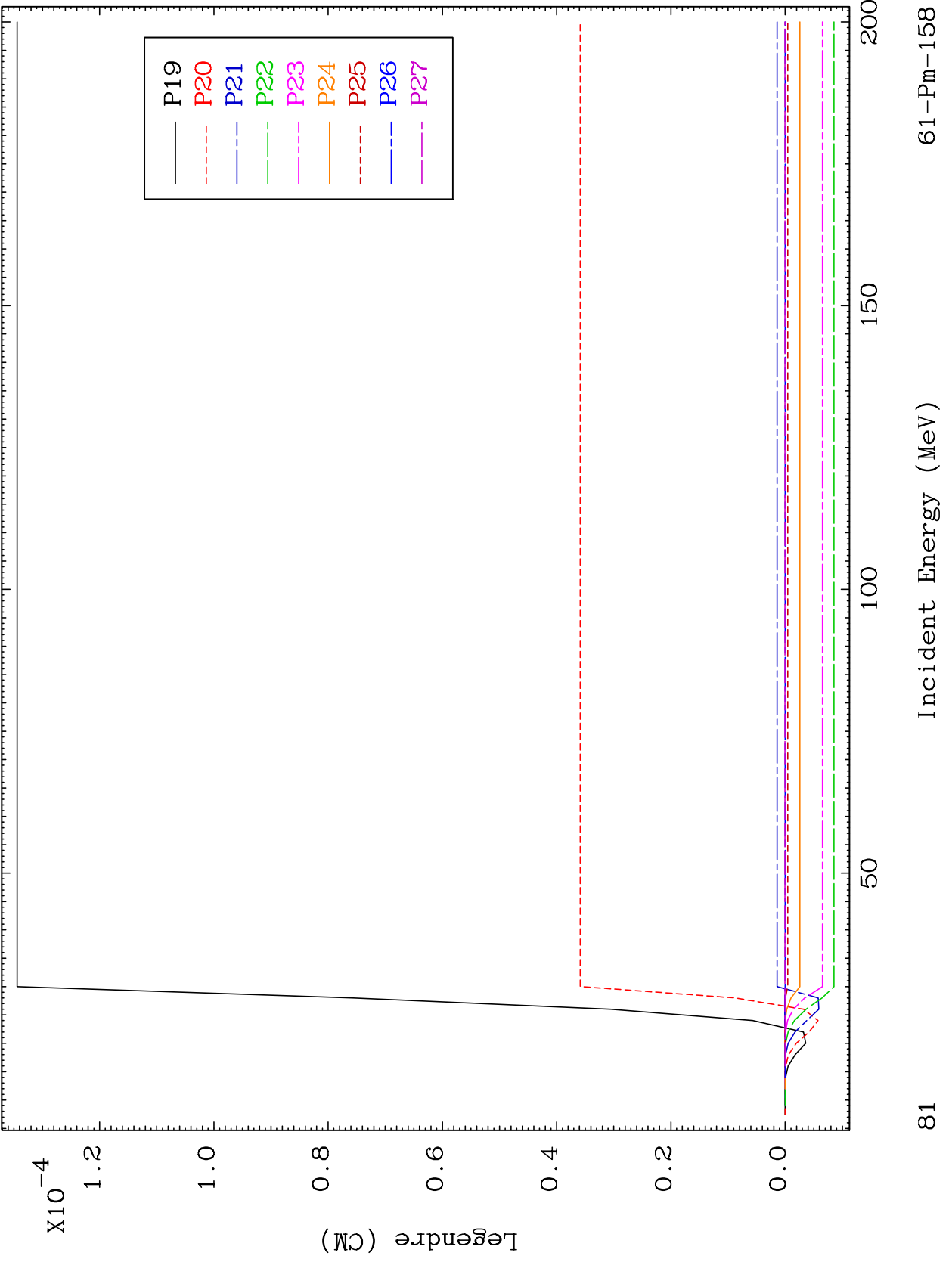
MAT 6182

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

61-Pm-158



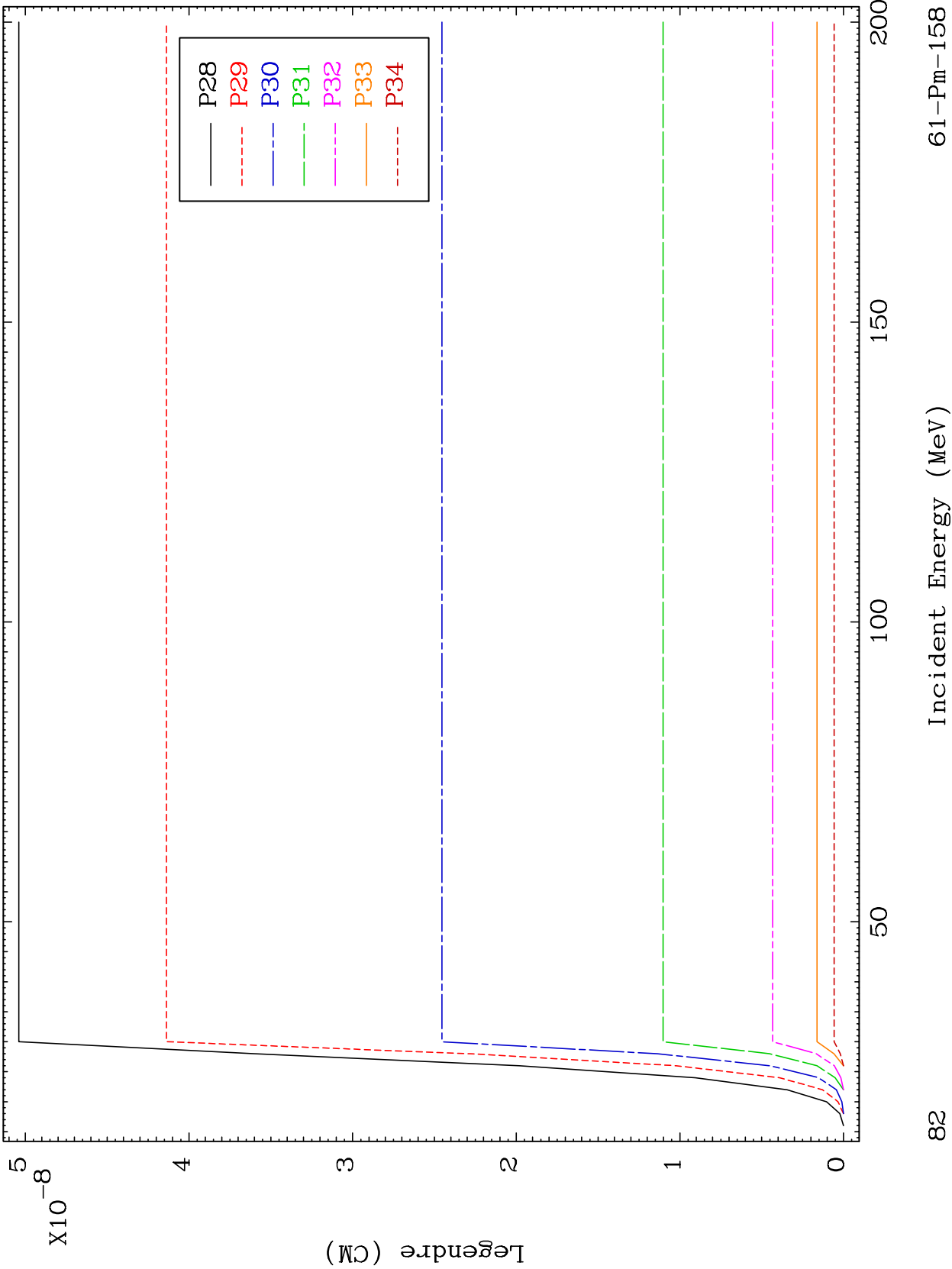
61-Pm-158



MAT 6182

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

61-Pm-158



82

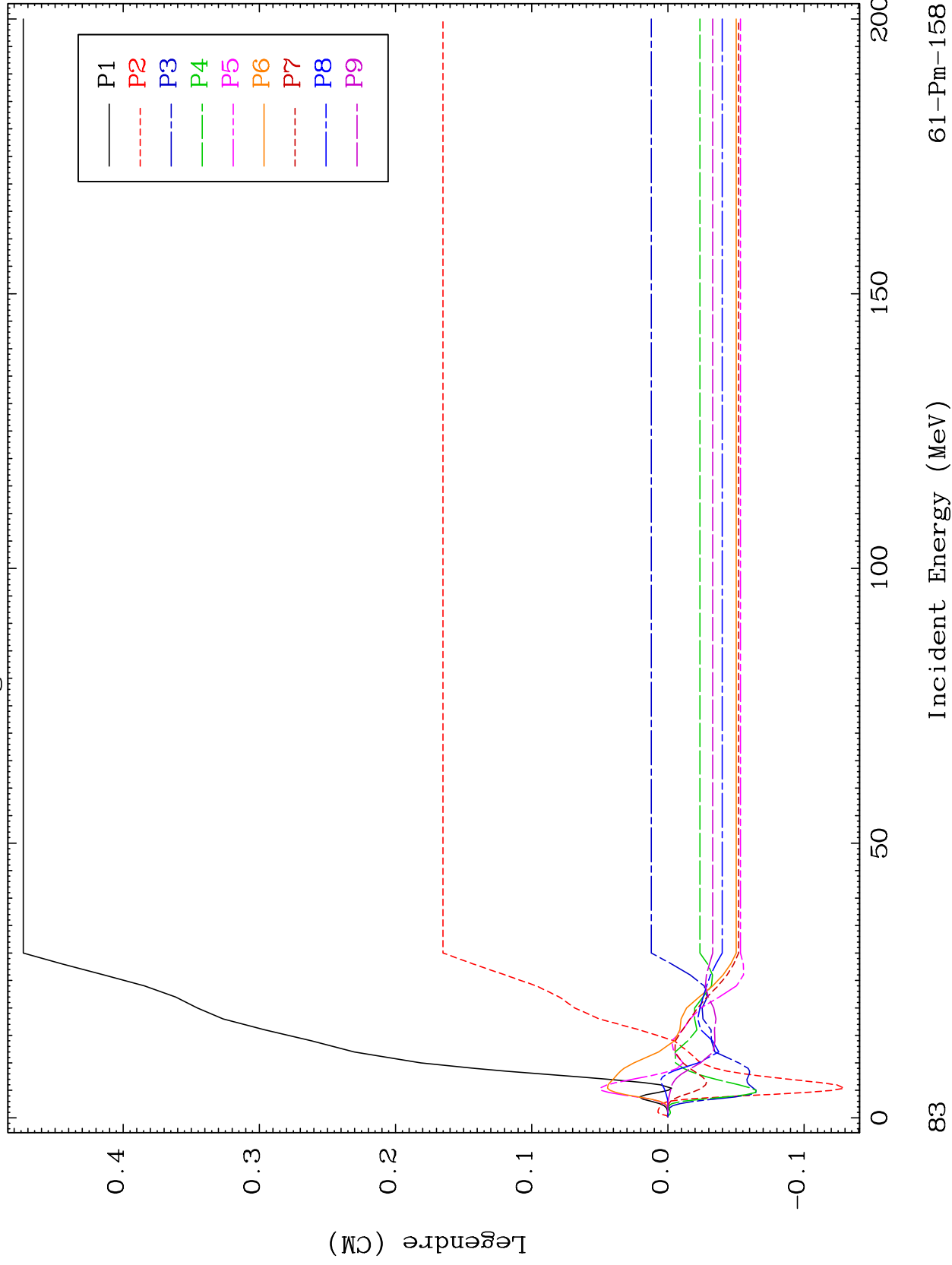
Incident Energy (MeV)

61-Pm-158

MAT 6182

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

61-Pm-158



61-Pm-158

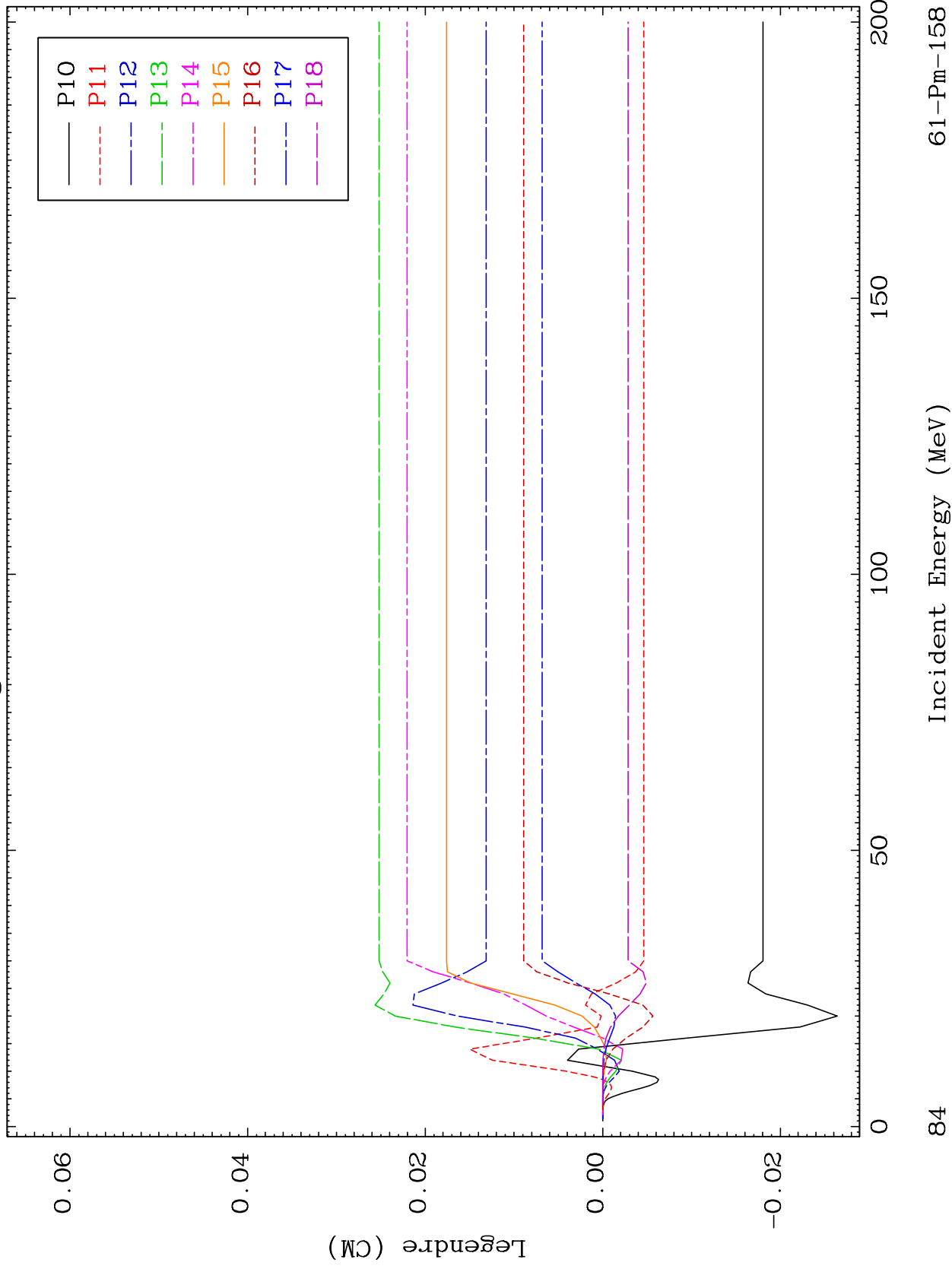
Incident Energy (MeV)

83

MAT 6182

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

61-Pm-158



61-Pm-158

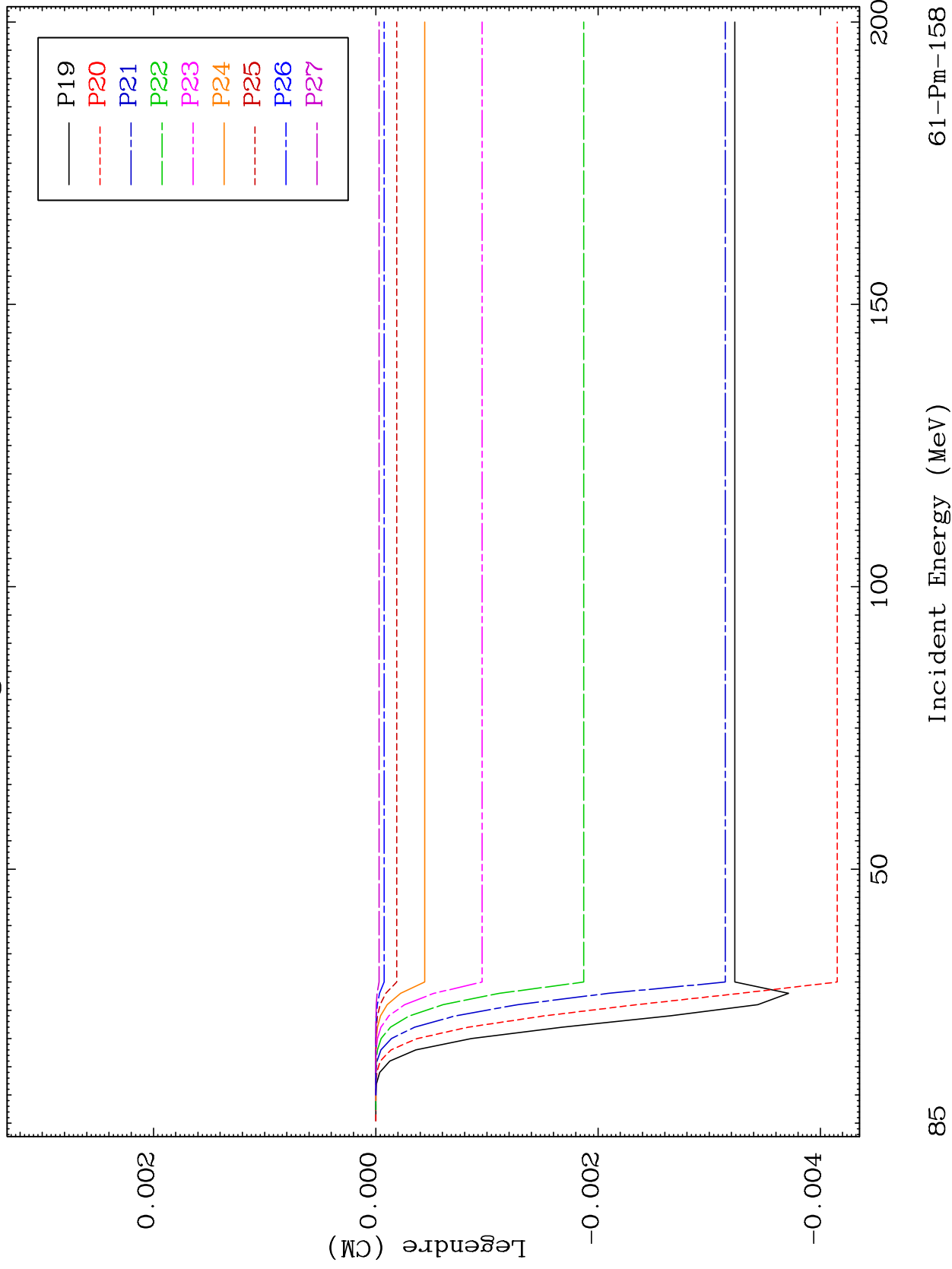
Incident Energy (MeV)

84

MAT 6182

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

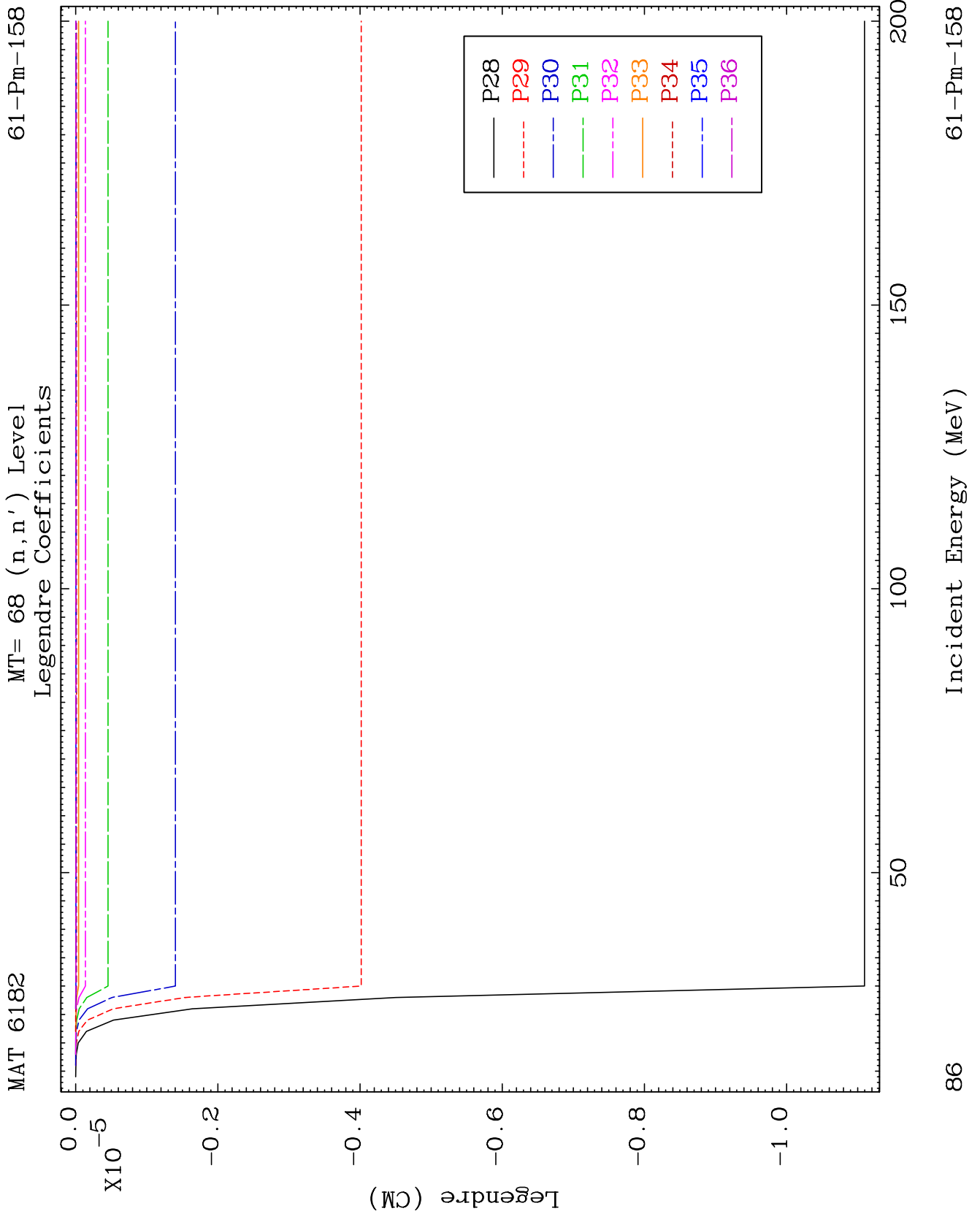
61-Pm-158



85

Incident Energy (MeV)

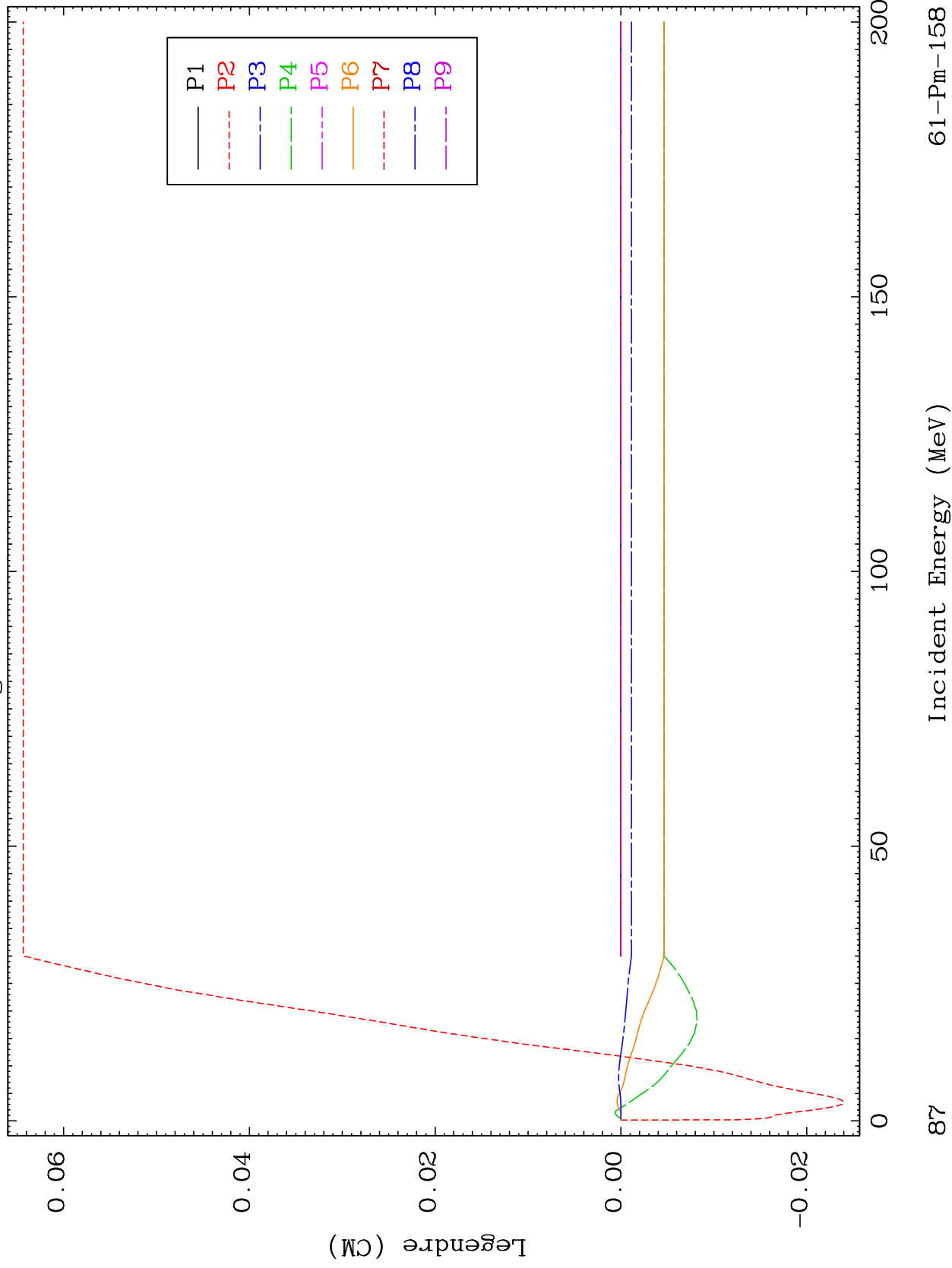
61-Pm-158



MAT 6182

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

61-Pm-158



61-Pm-158

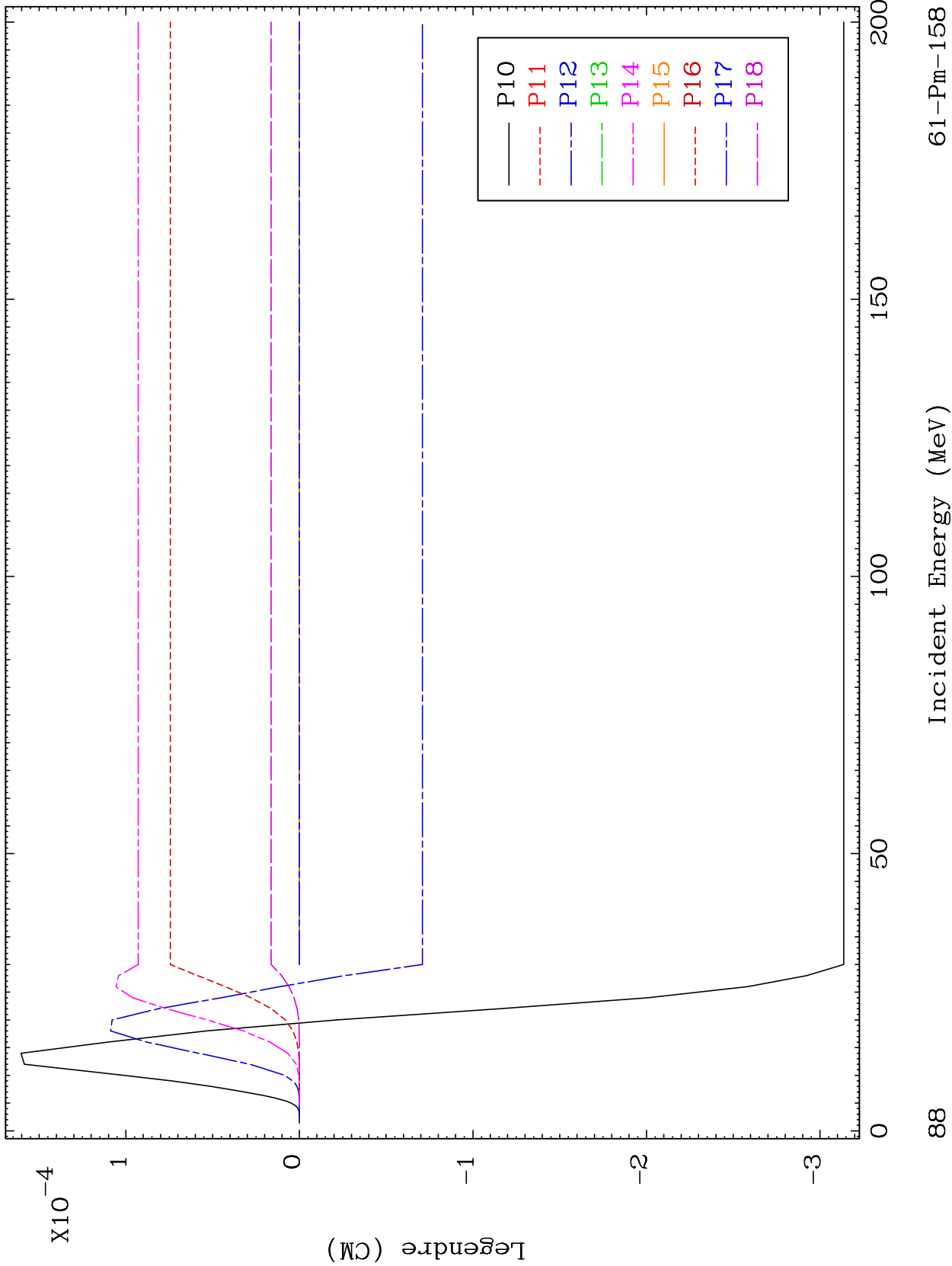
Incident Energy (MeV)

87

MAT 6182

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

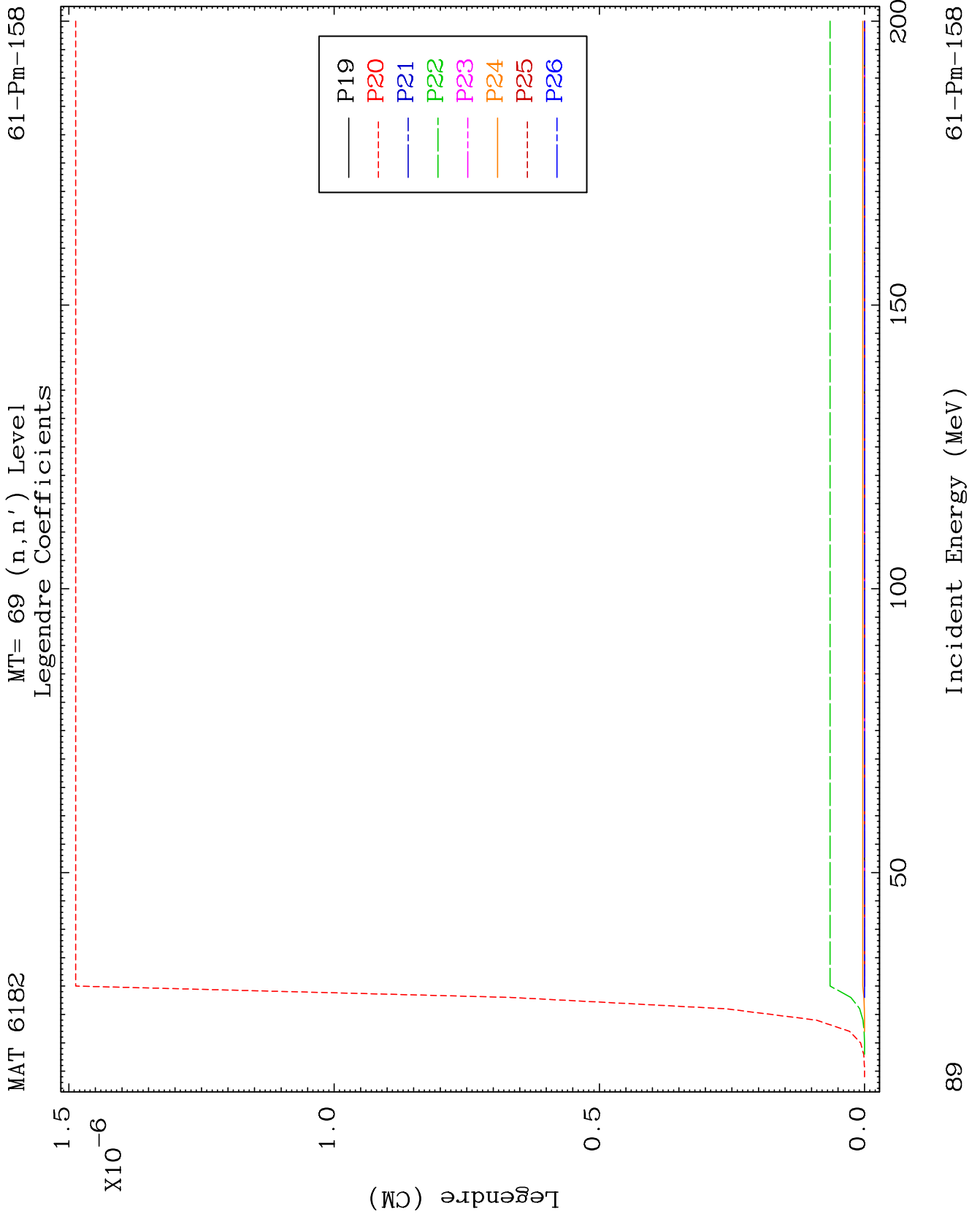
61-Pm-158



61-Pm-158

Incident Energy (MeV)

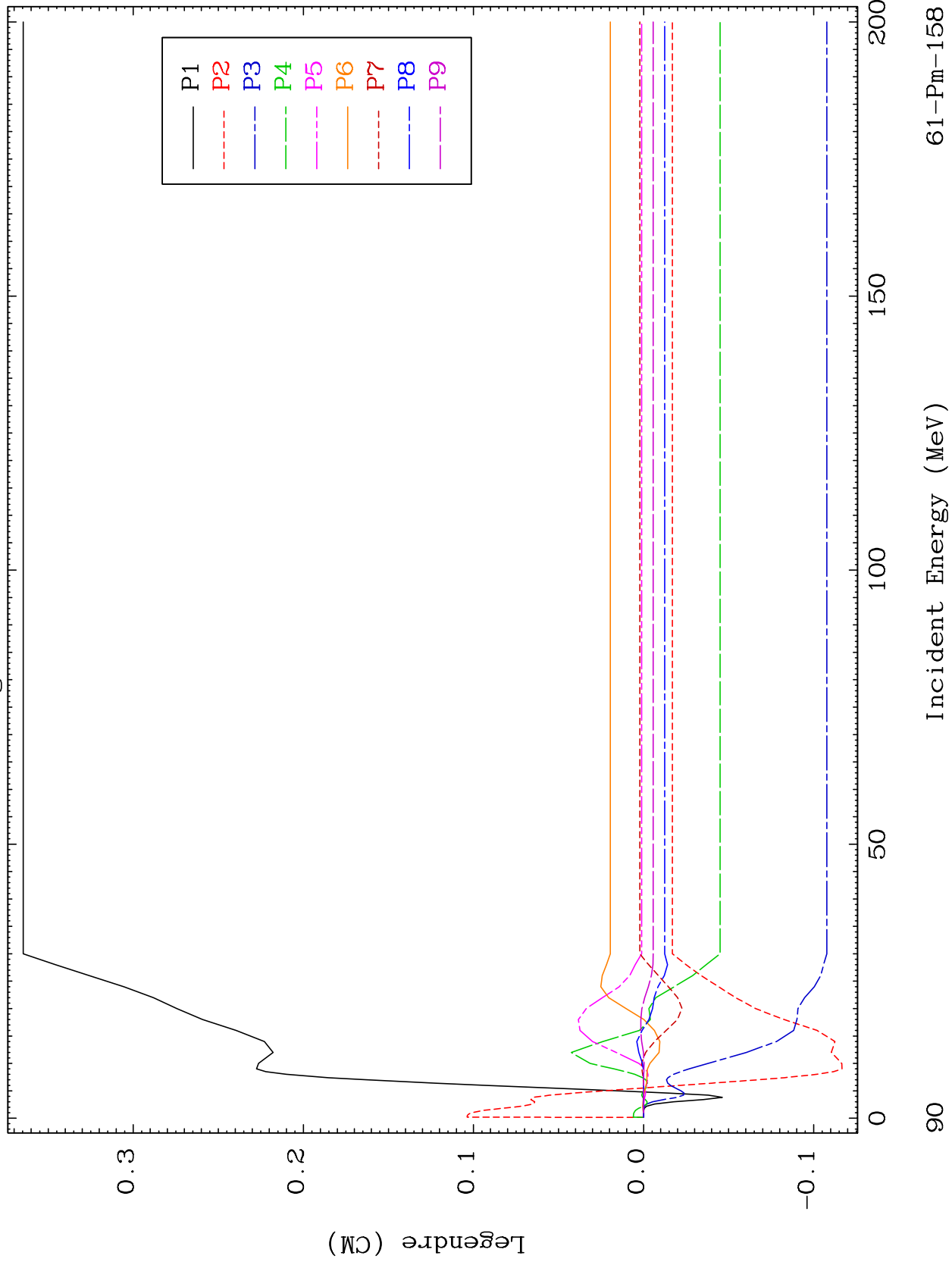
88



MAT 6182

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

61-Pm-158



61-Pm-158

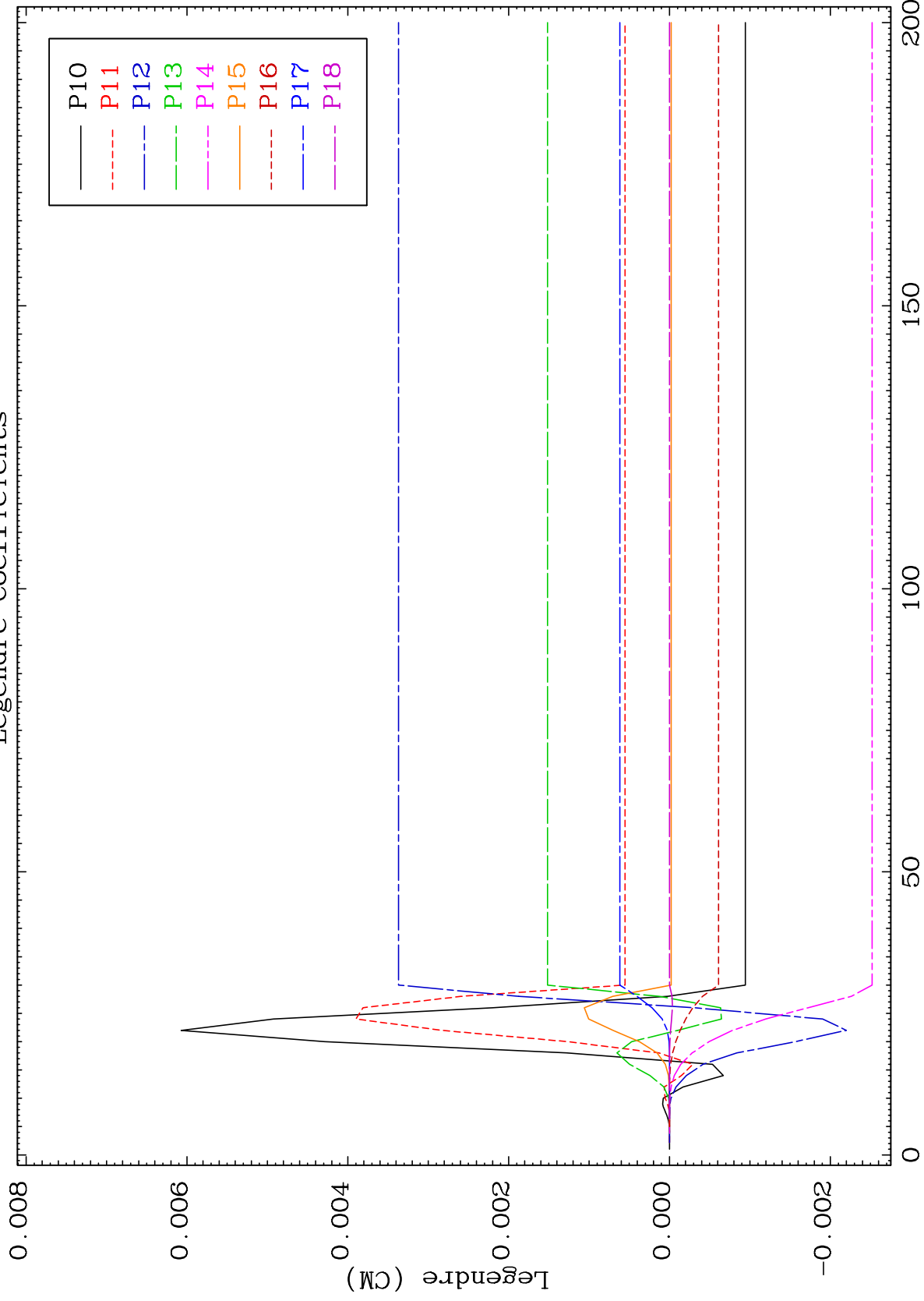
Incident Energy (MeV)

90

MAT 6182

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

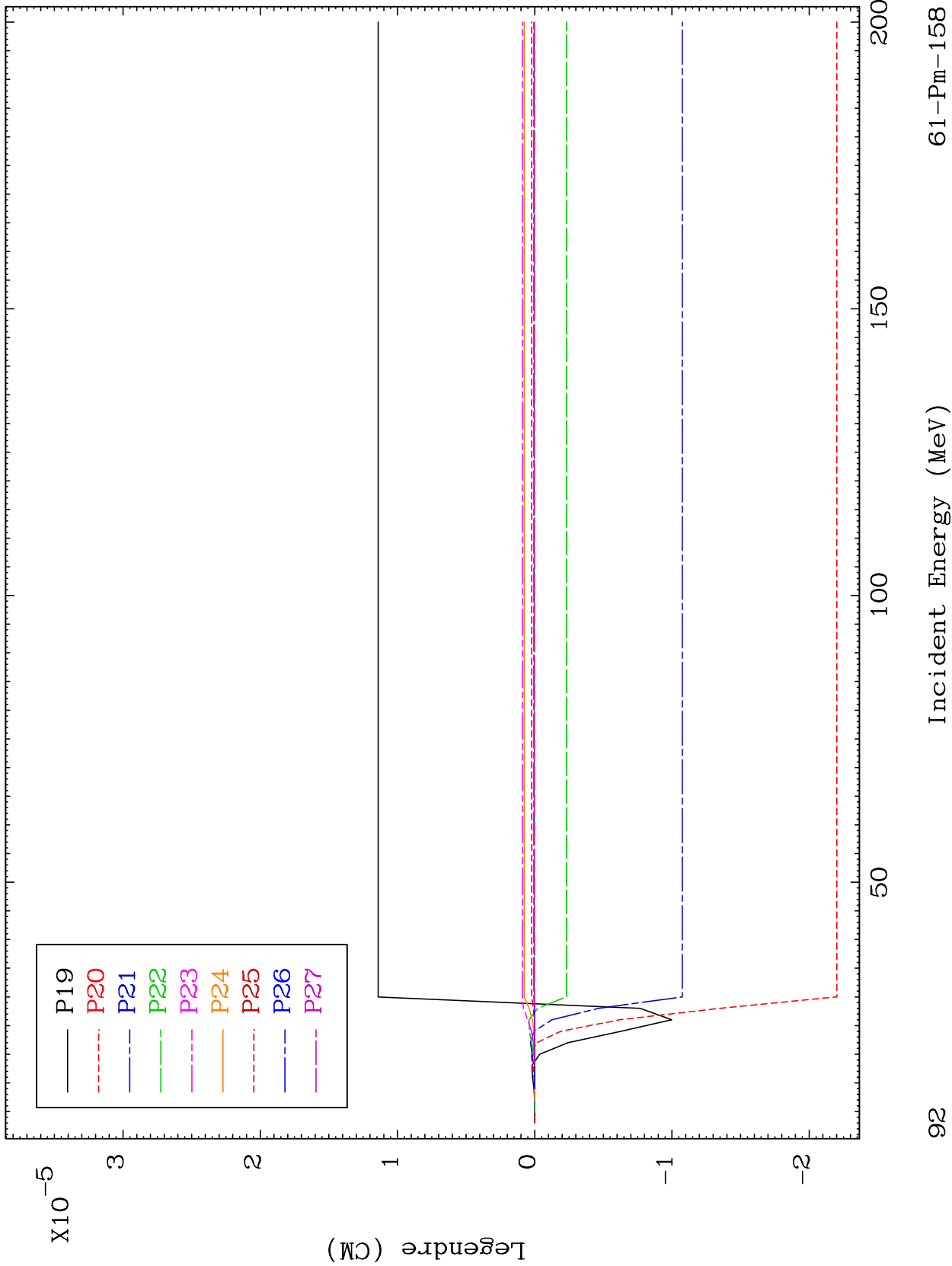
61-Pm-158



91

Incident Energy (MeV)

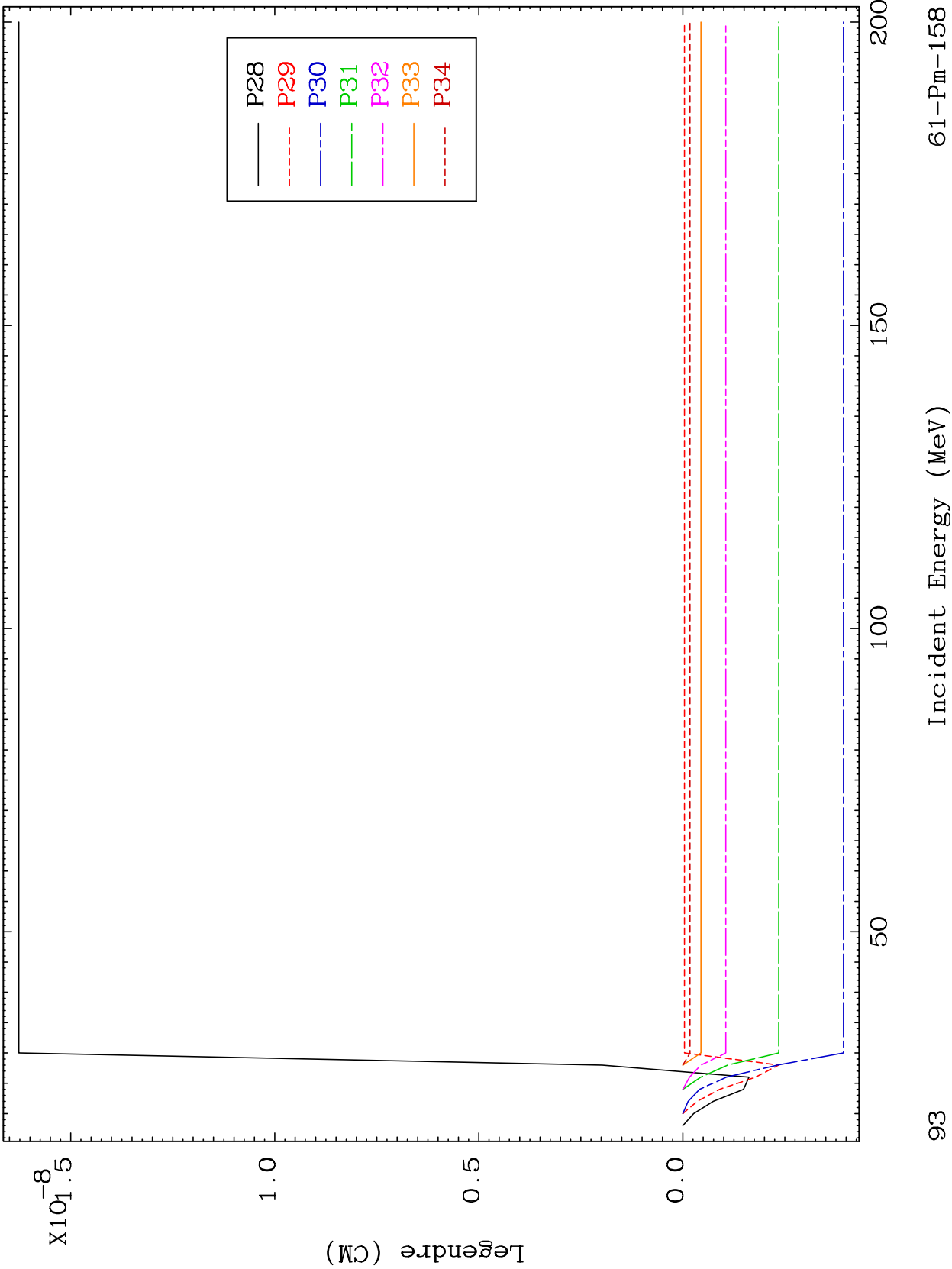
61-Pm-158



MAT 6182

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

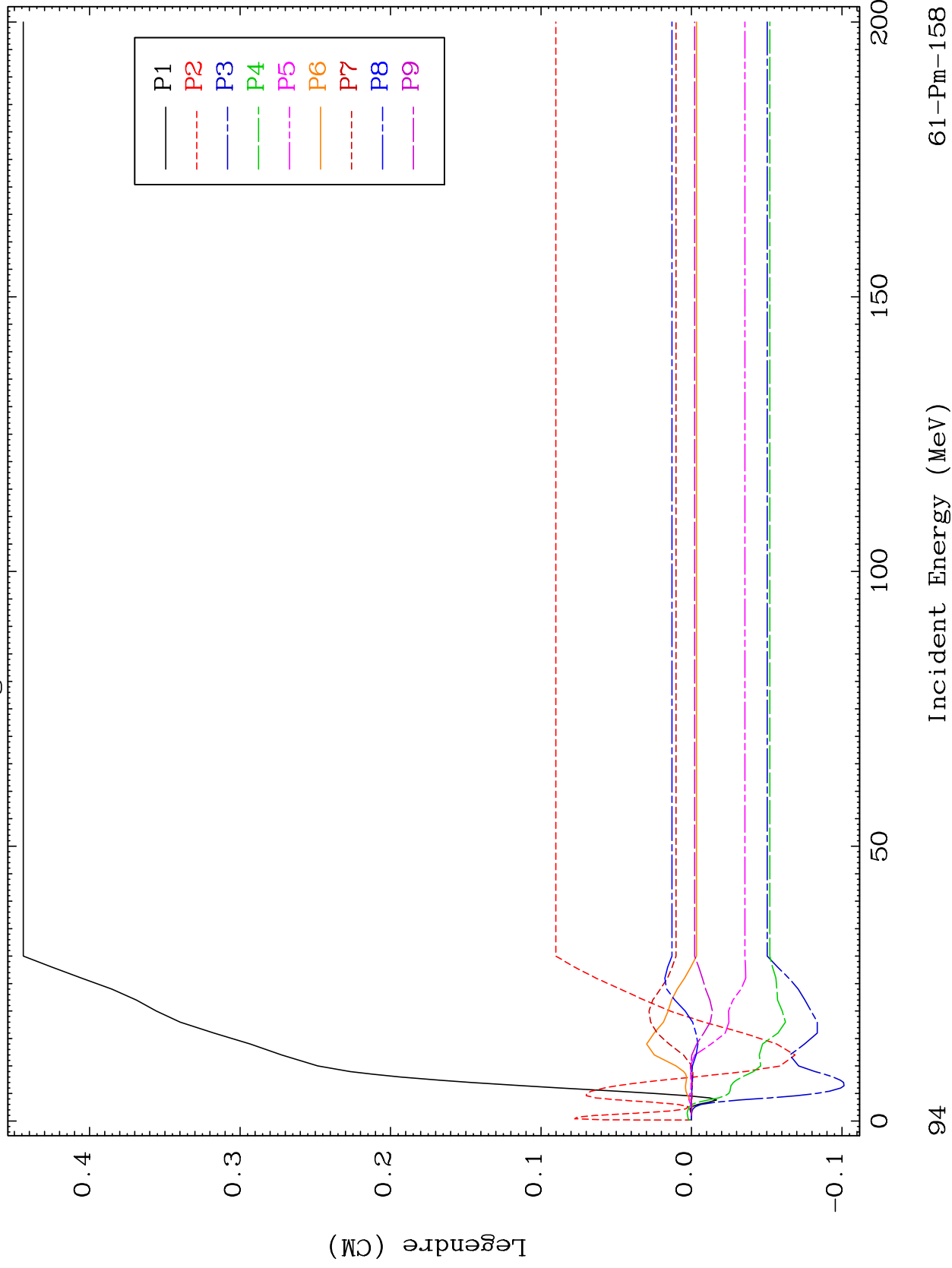
61-Pm-158



MAT 6182

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

61-Pm-158



61-Pm-158

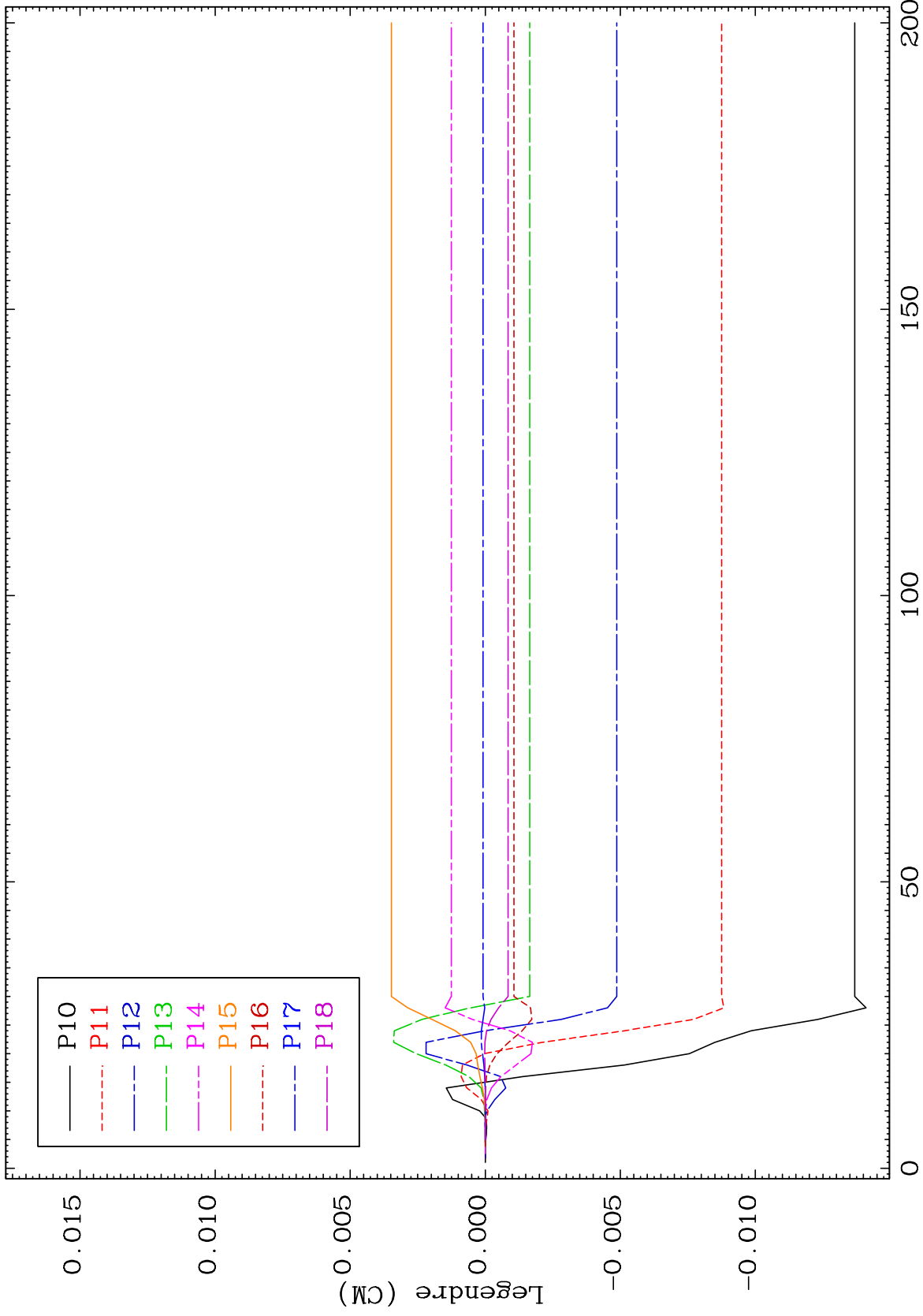
Incident Energy (MeV)

94

MAT 6182

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

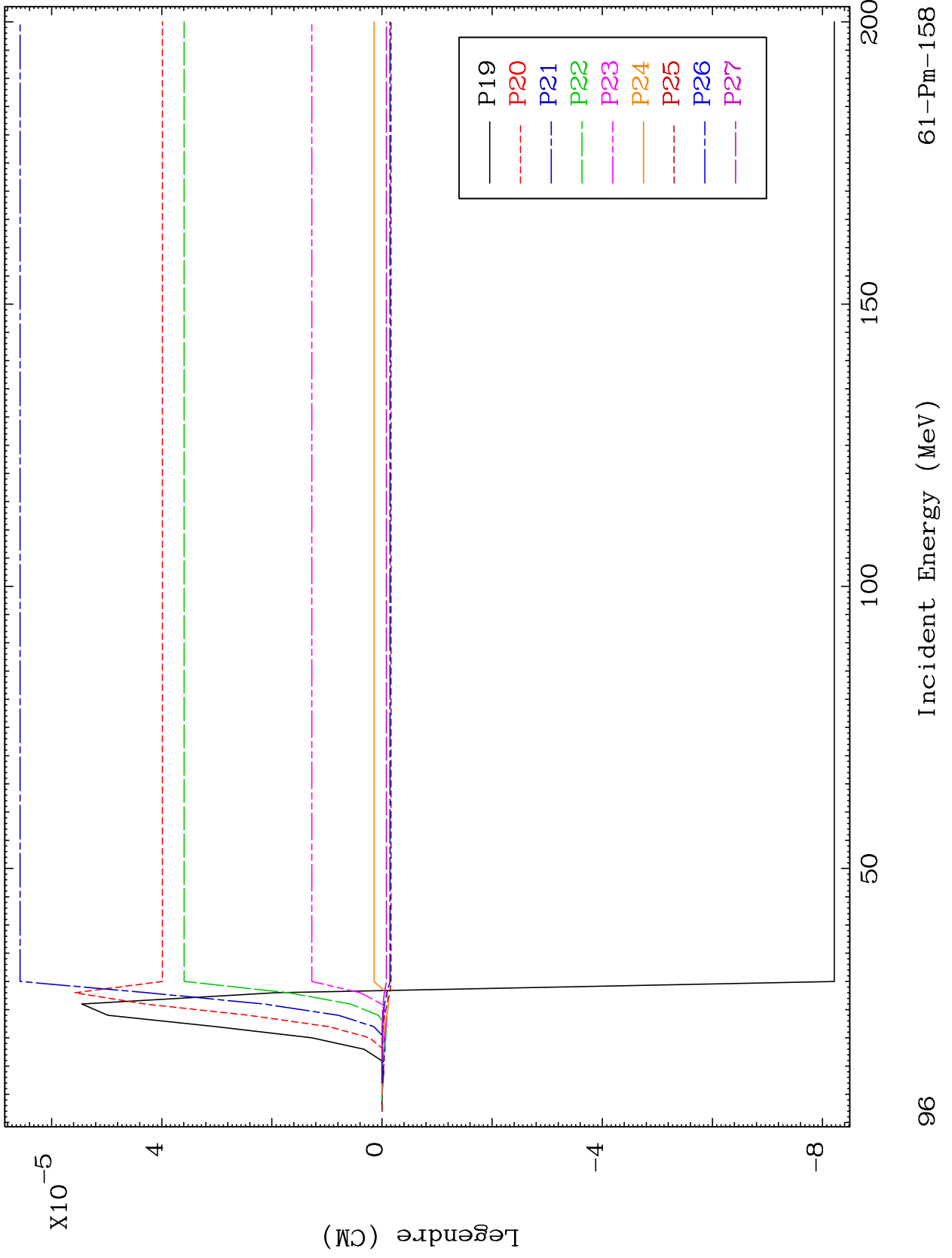
61-Pm-158



95

Incident Energy (MeV)

61-Pm-158

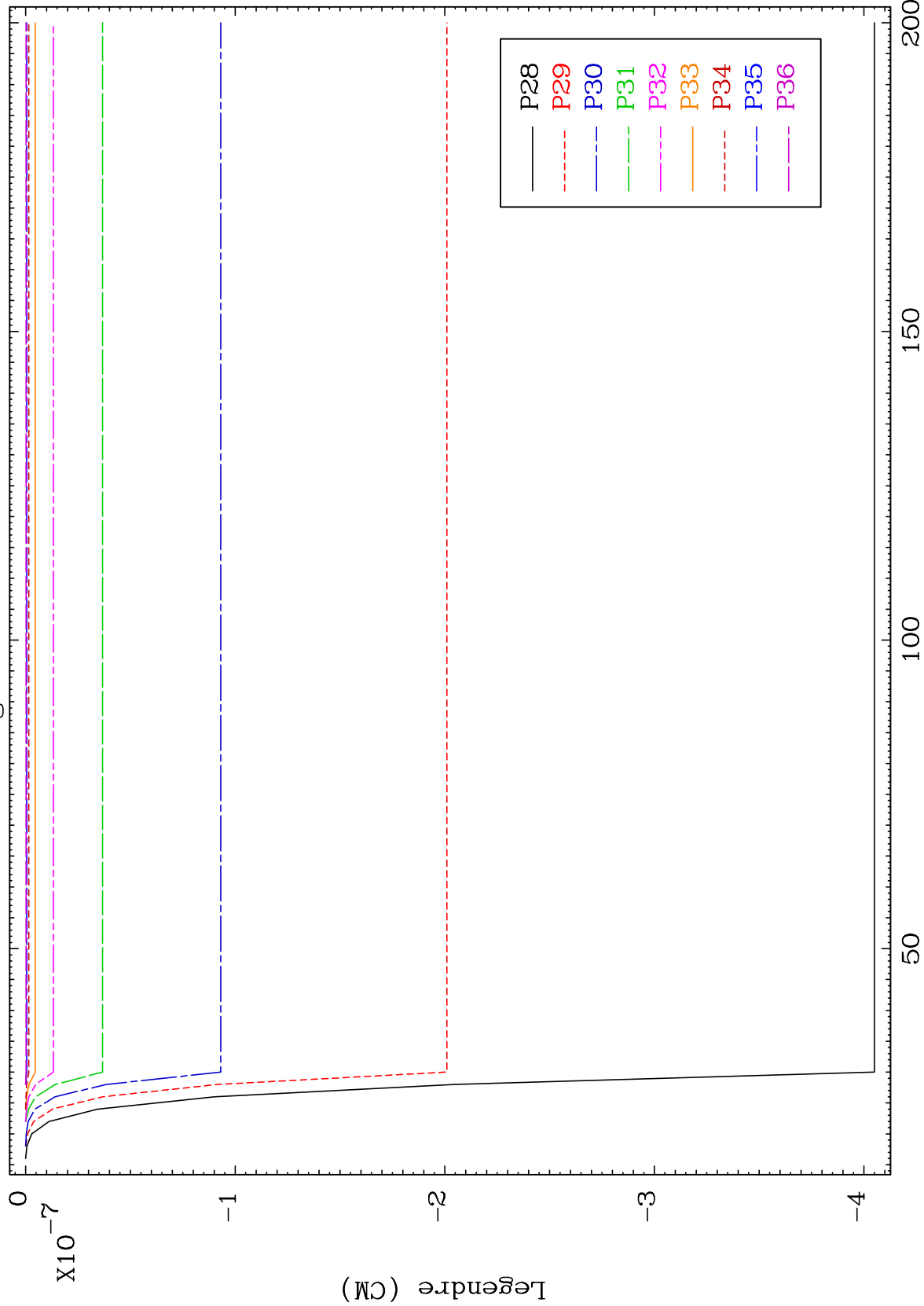


MAT 6182

MT= 71 (n,n') Level

61-Pm-158

Legendre Coefficients

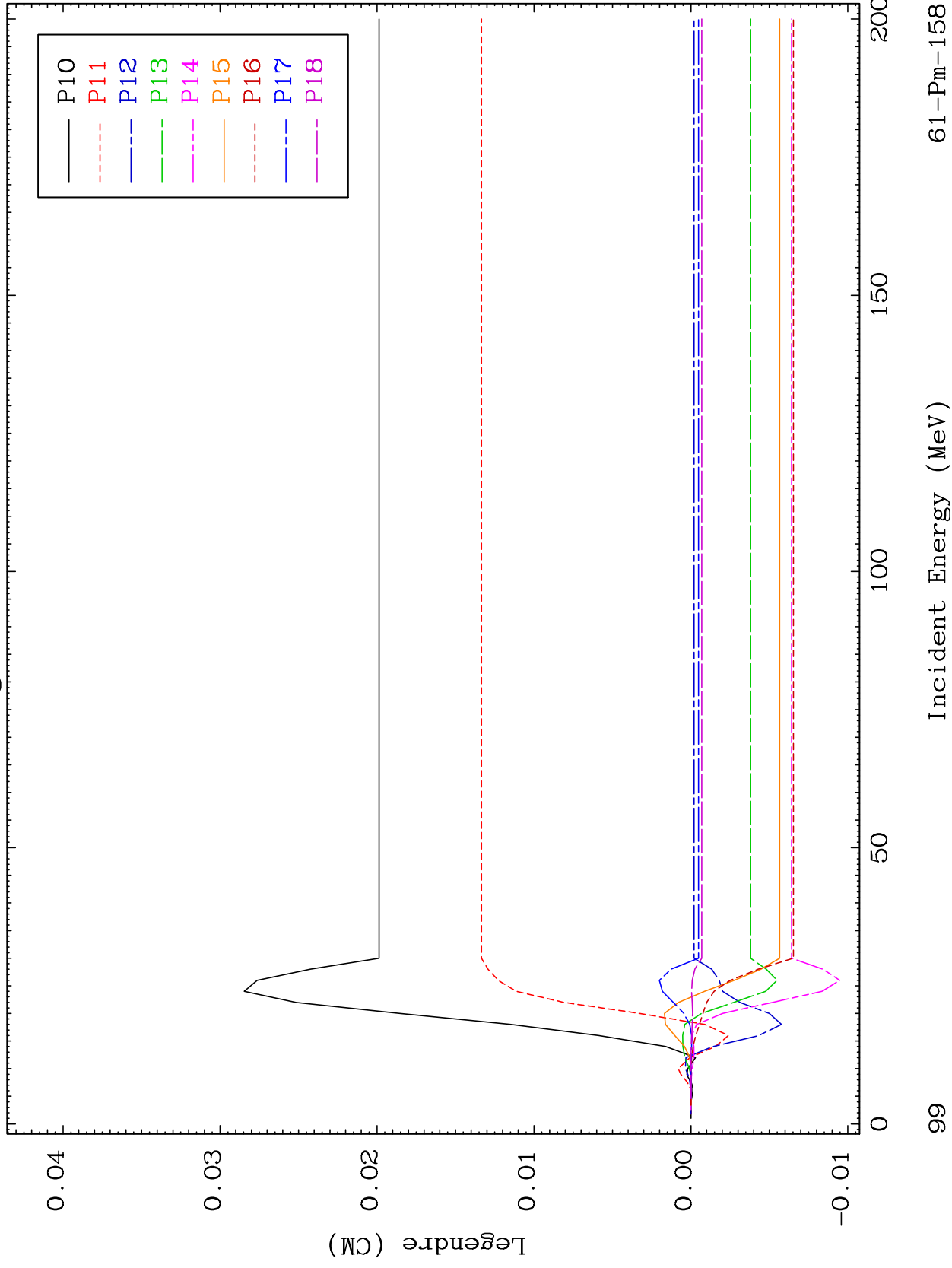




MAT 6182

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

61-Pm-158



61-Pm-158

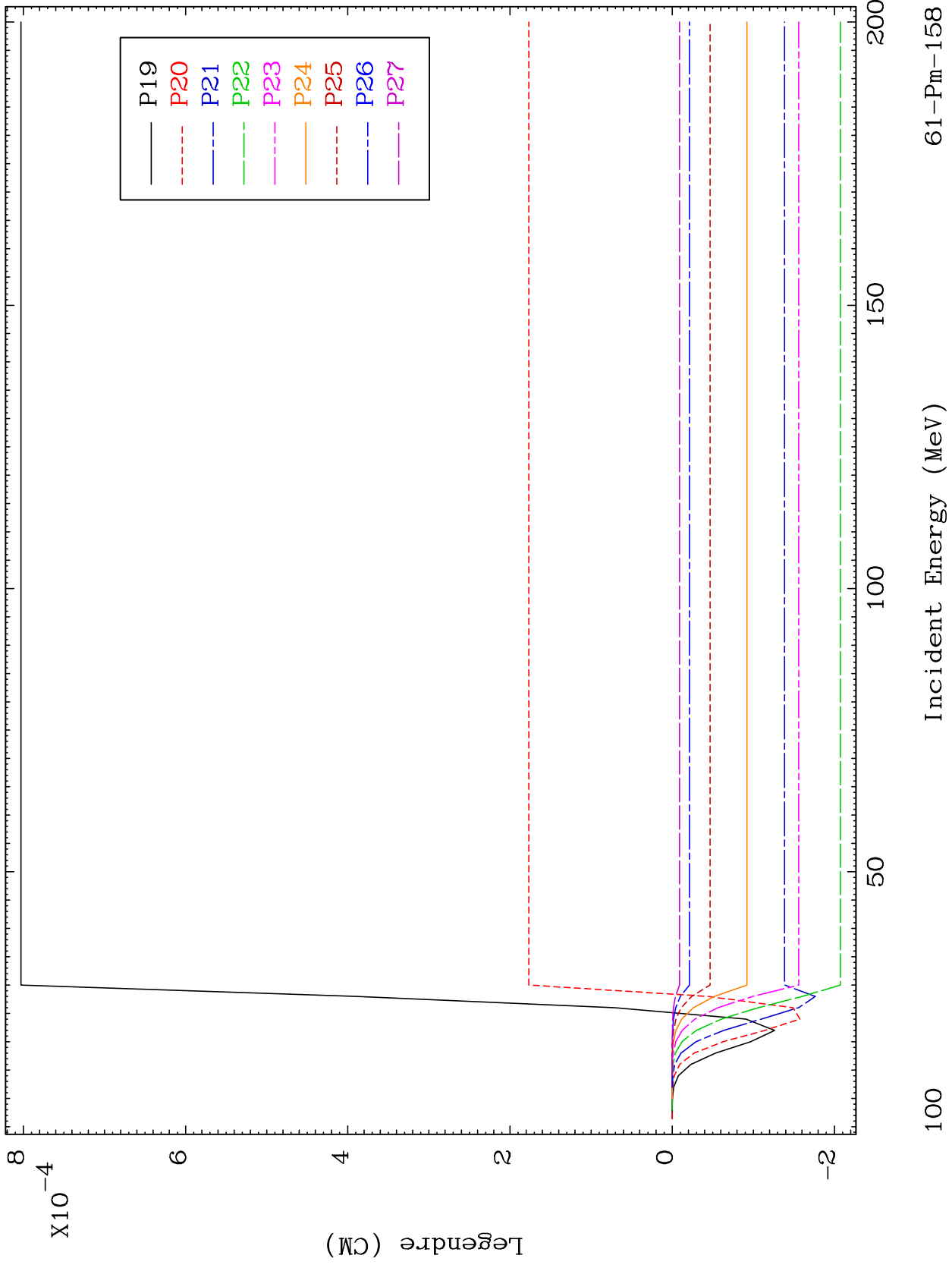
Incident Energy (MeV)

99

MAT 6182

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

61-Pm-158

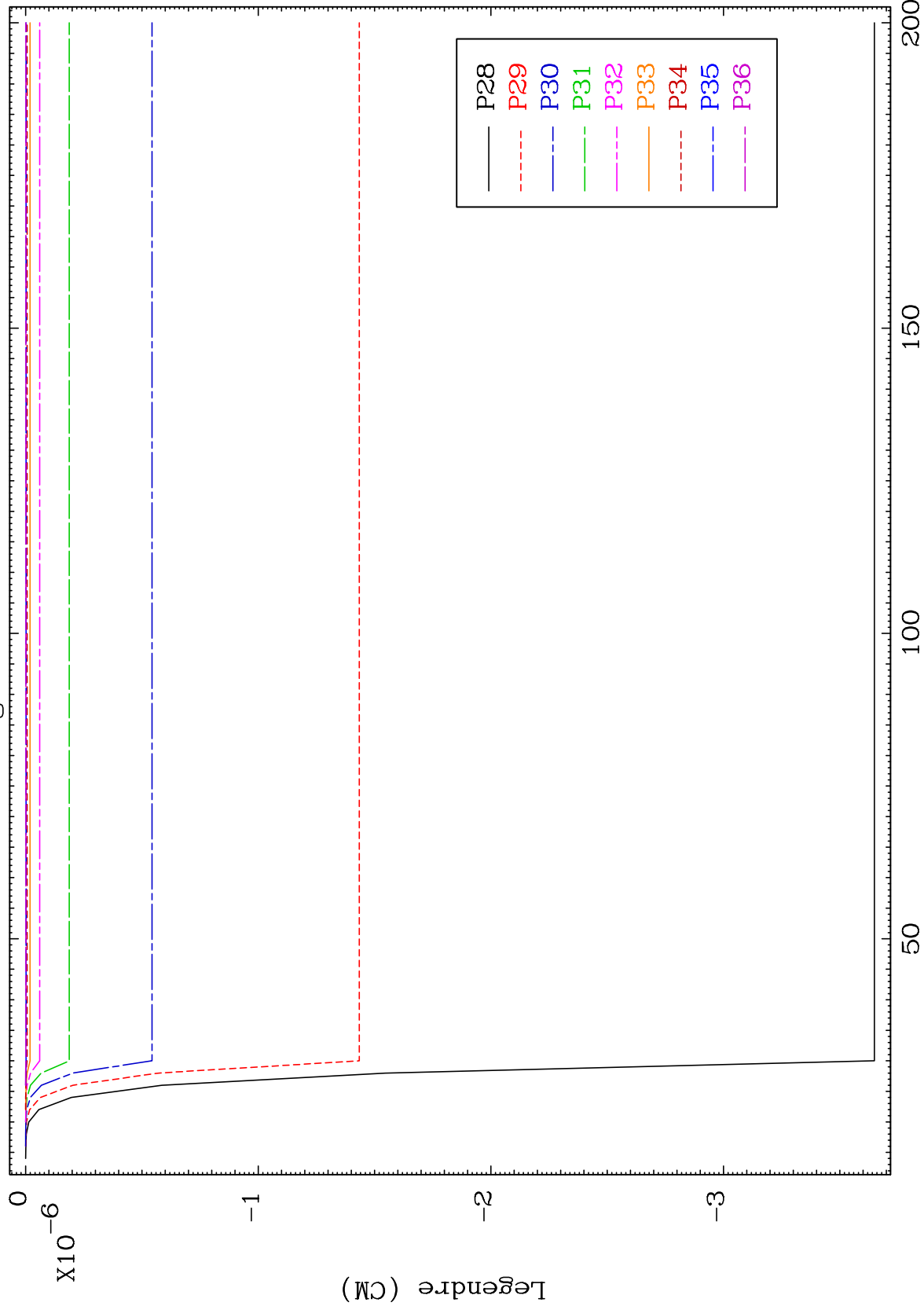


MAT 6182

MT= 72 (n,n') Level

61-Pm-158

Legendre Coefficients



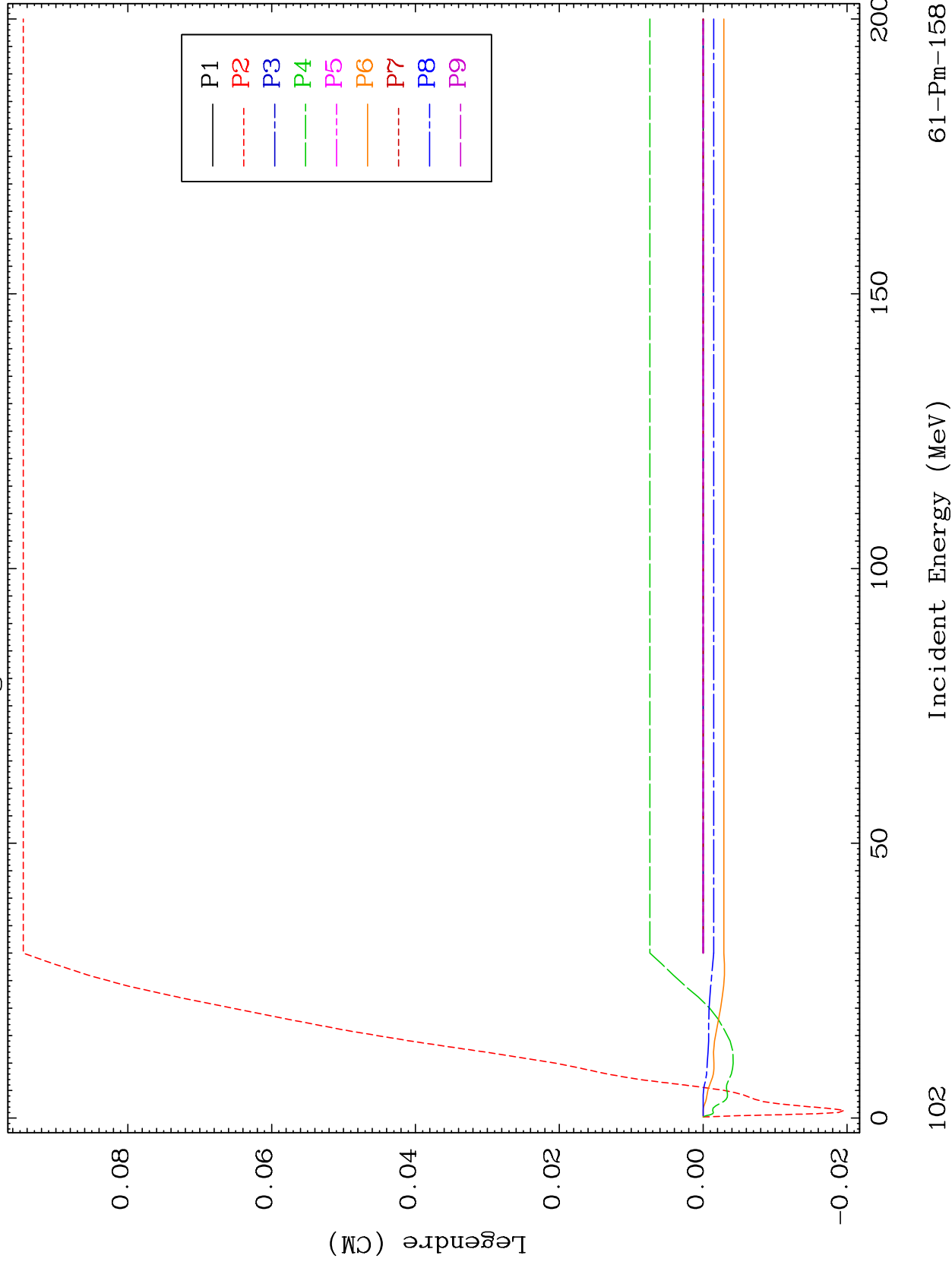
101

61-Pm-158

MAT 6182

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

61-Pm-158



61-Pm-158

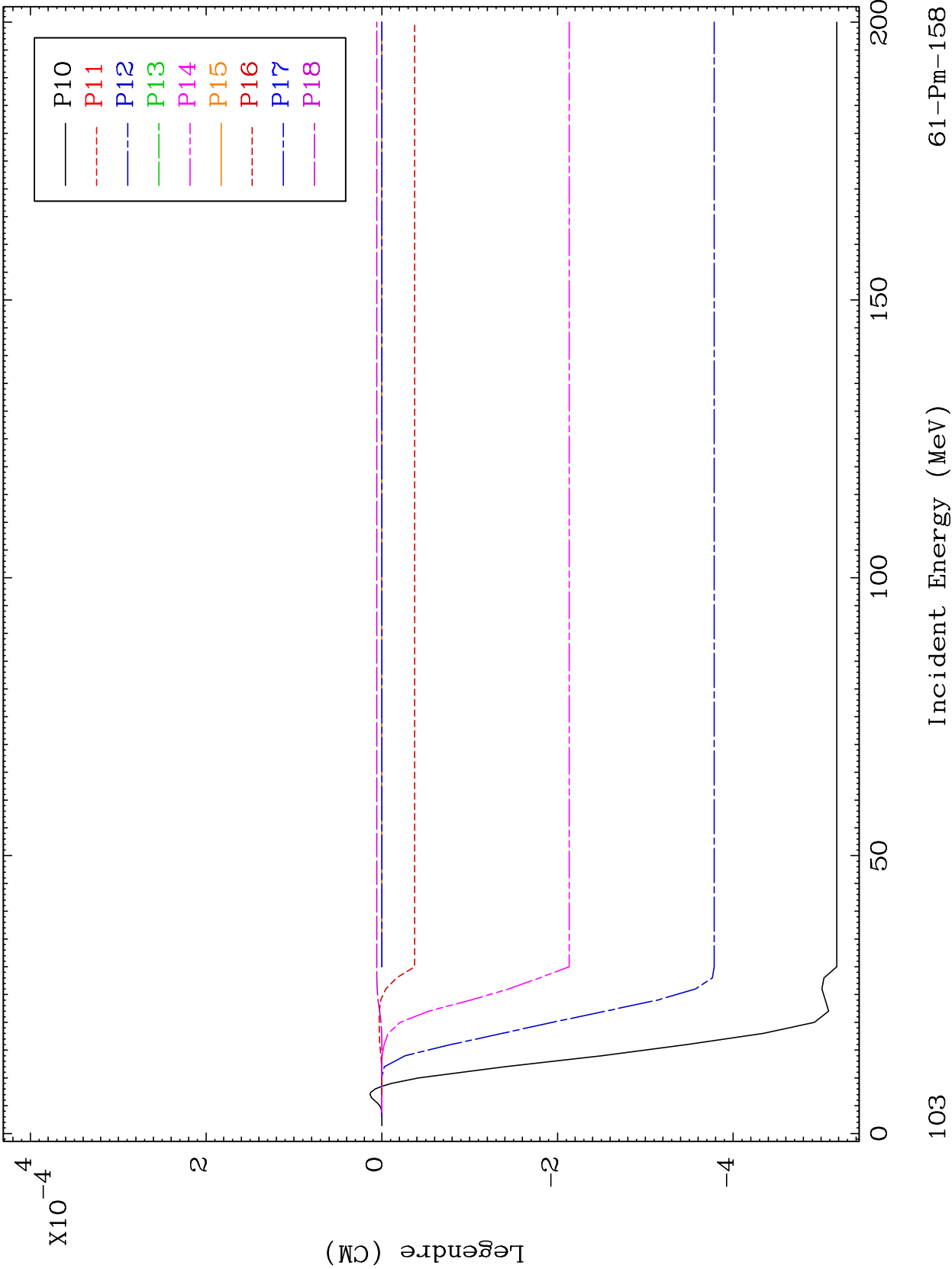
Incident Energy (MeV)

102

MAT 6182

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

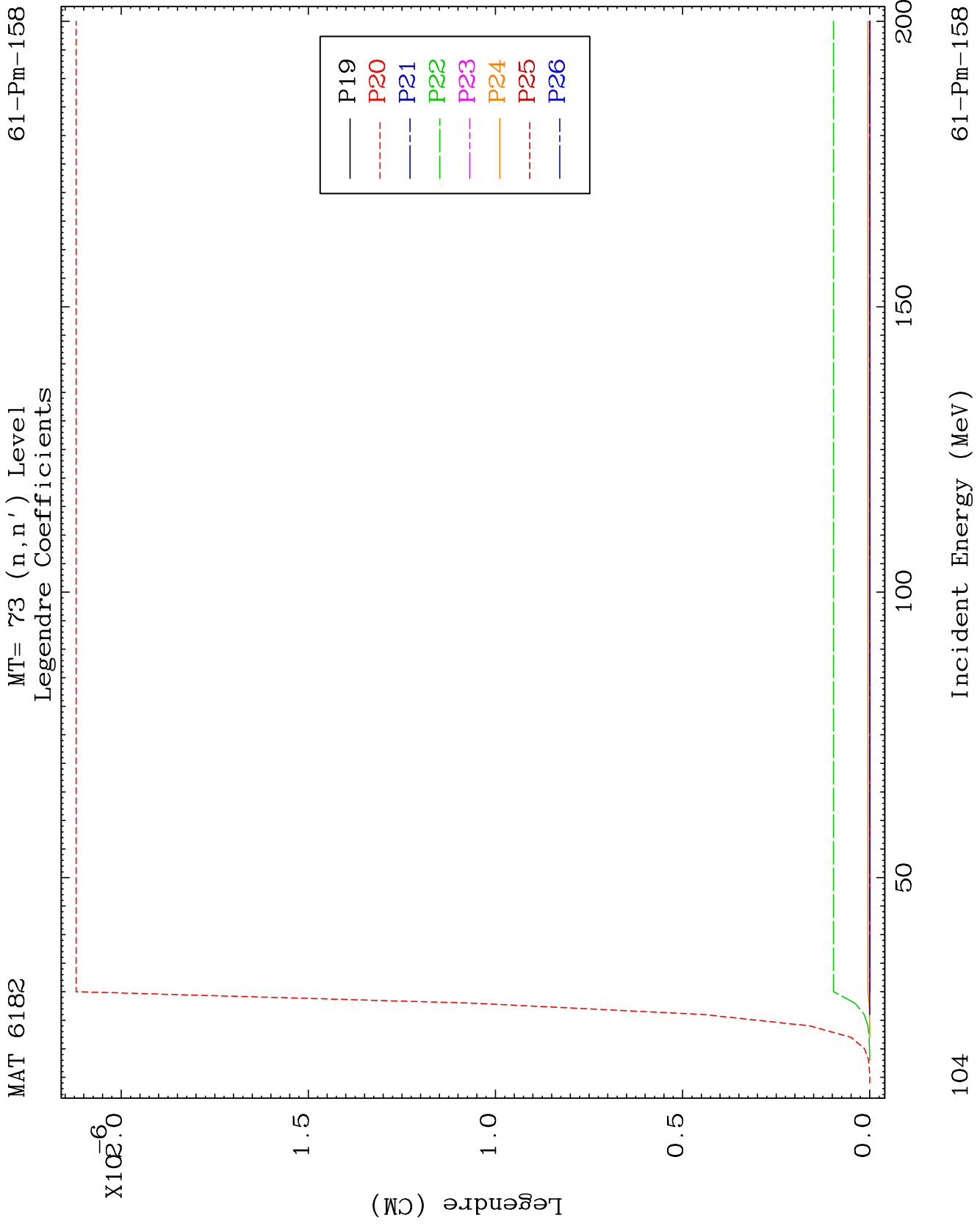
61-Pm-158



103

Incident Energy (MeV)

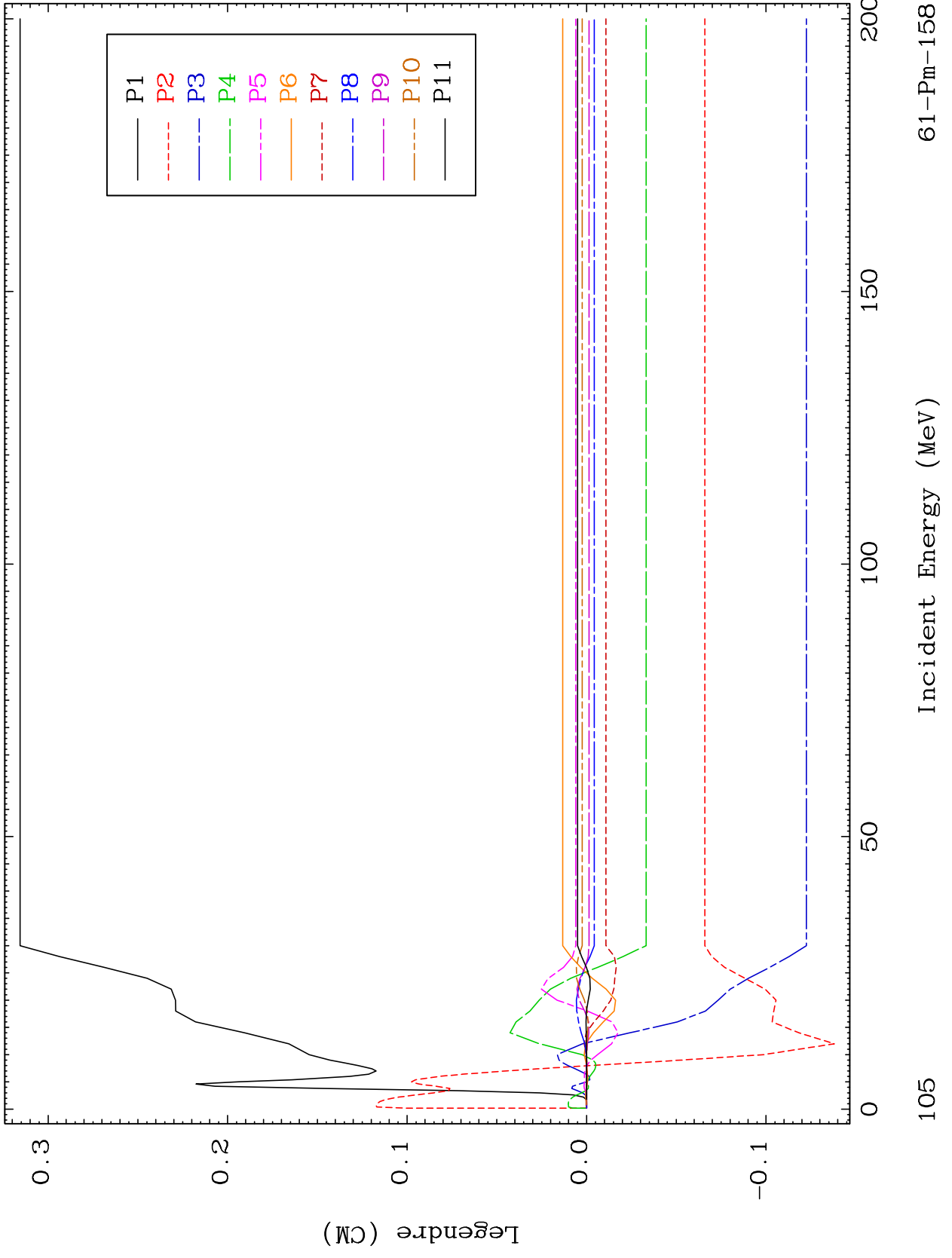
61-Pm-158



MAT 6182

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

61-Pm-158



61-Pm-158

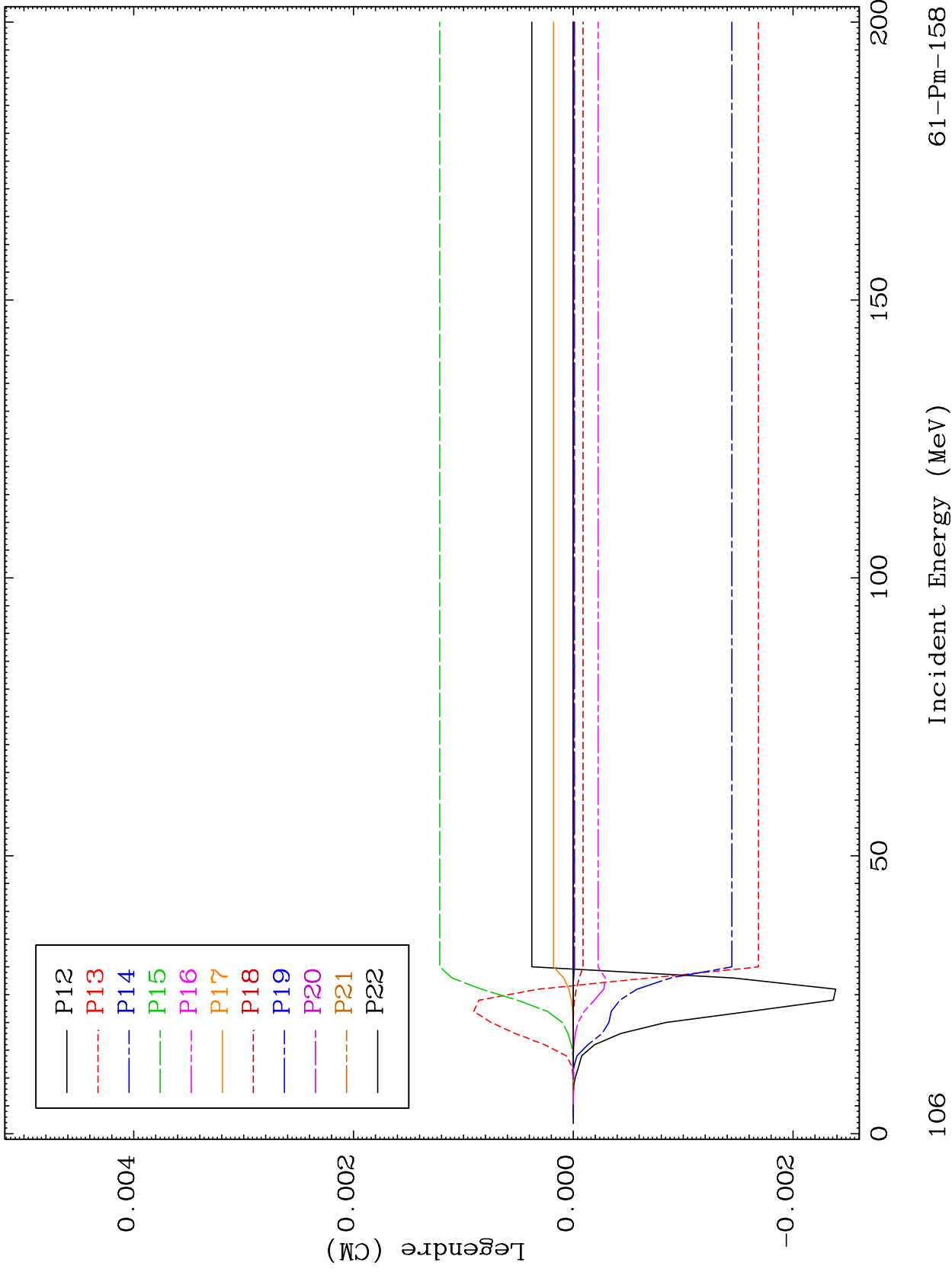
Incident Energy (MeV)

105

MAT 6182

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

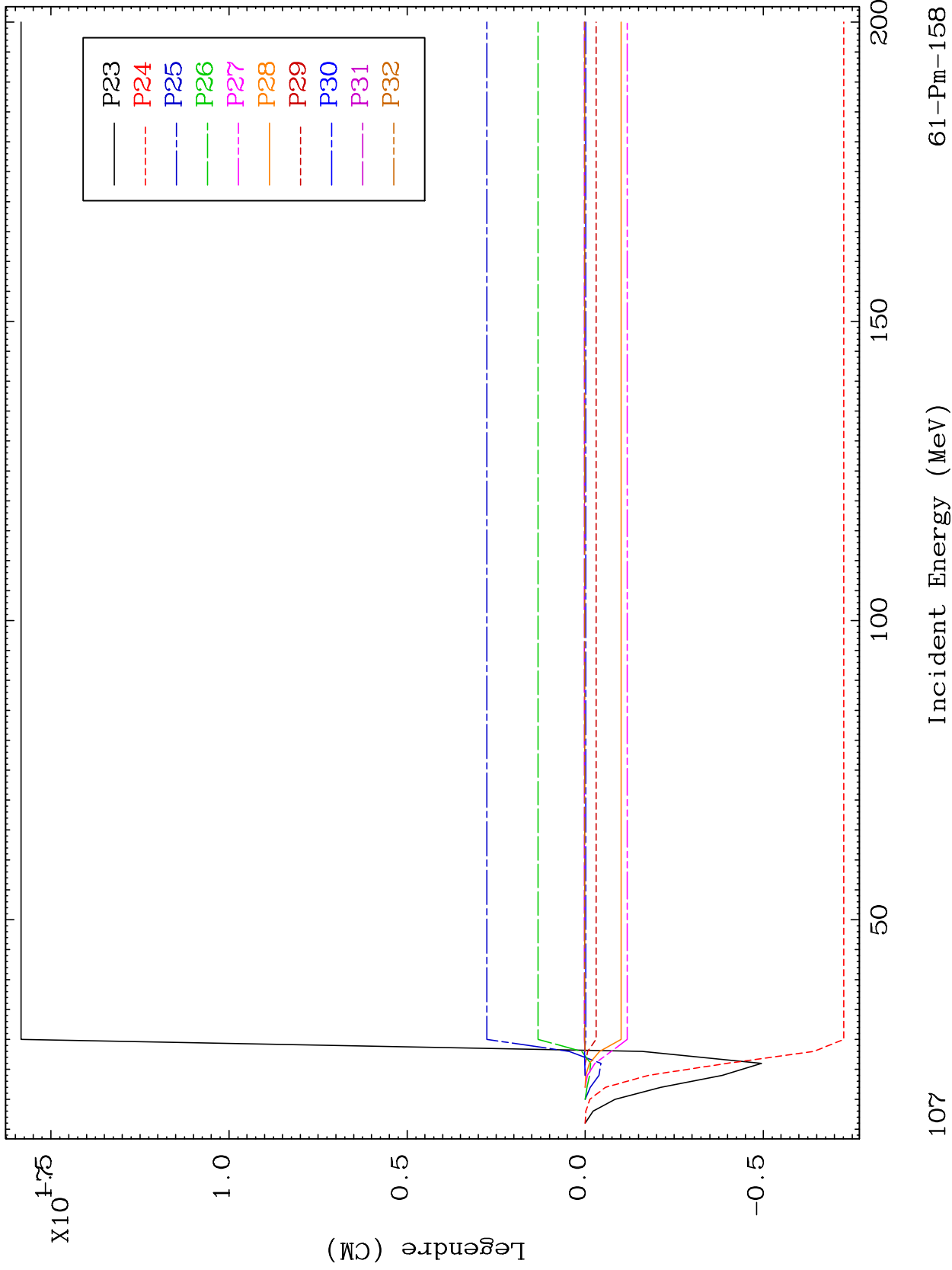
61-Pm-158



106

Incident Energy (MeV)

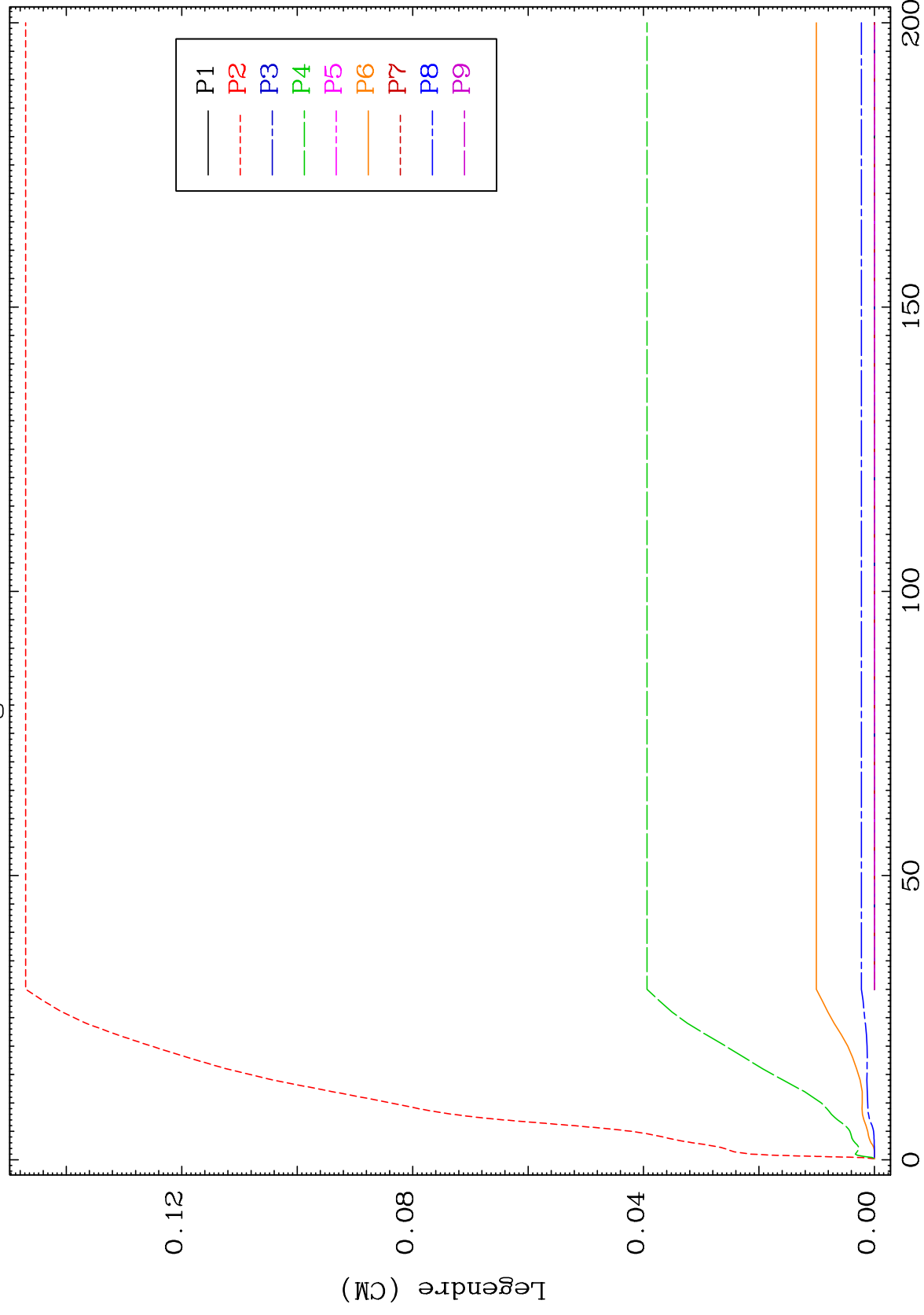
61-Pm-158



MAT 6182

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

61-Pm-158



61-Pm-158

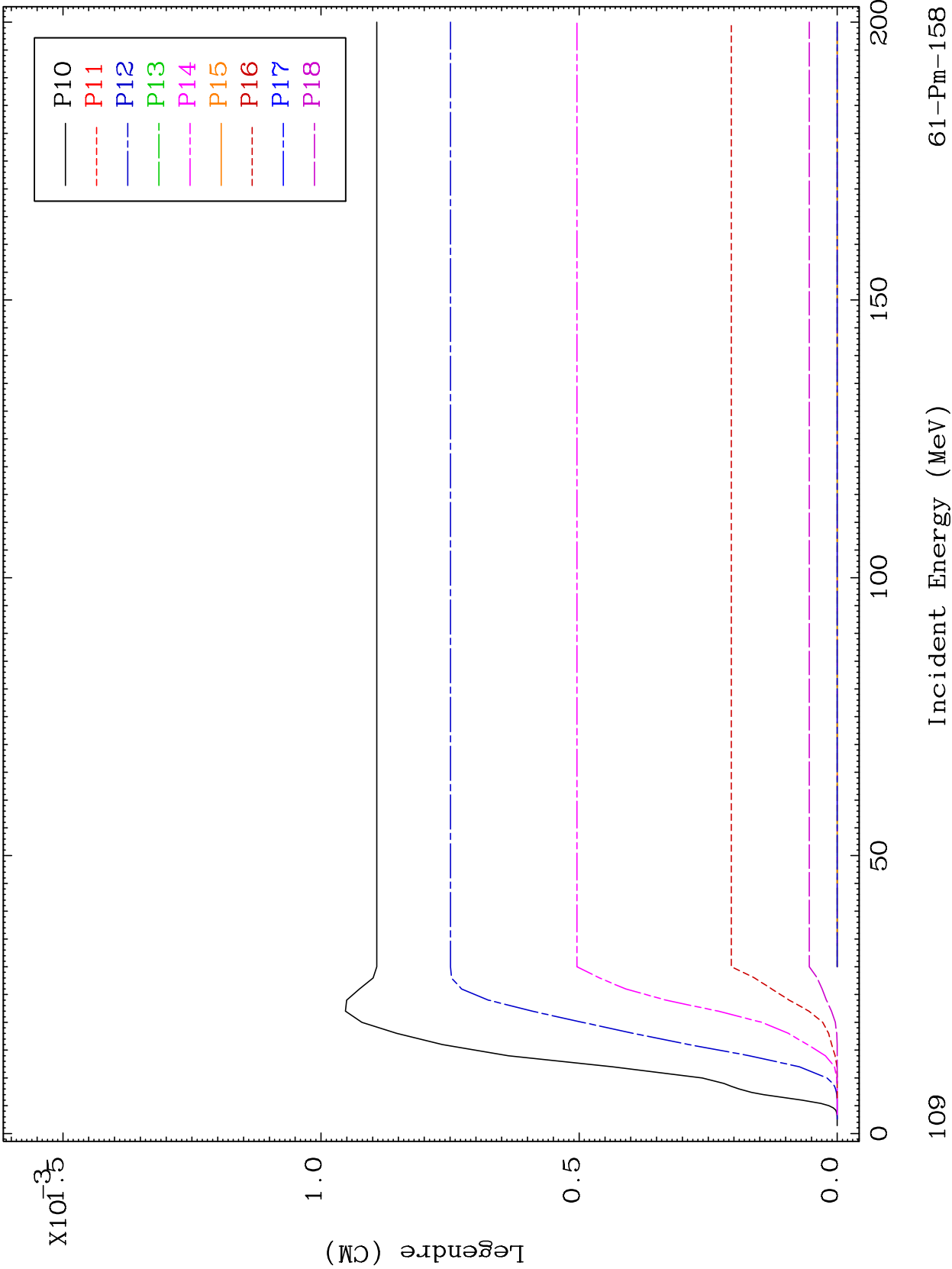
Incident Energy (MeV)

108

MAT 6182

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

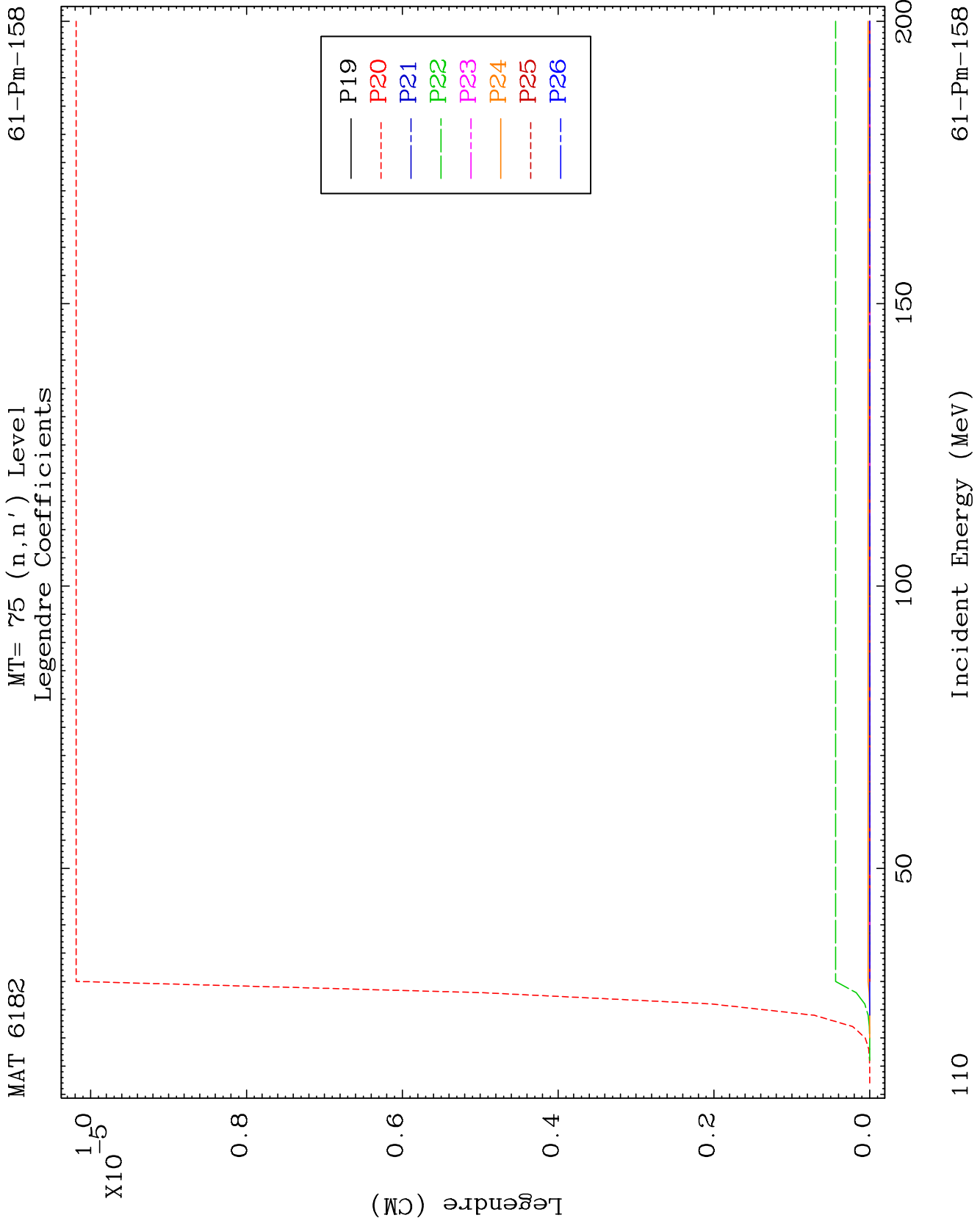
61-Pm-158



61-Pm-158

Incident Energy (MeV)

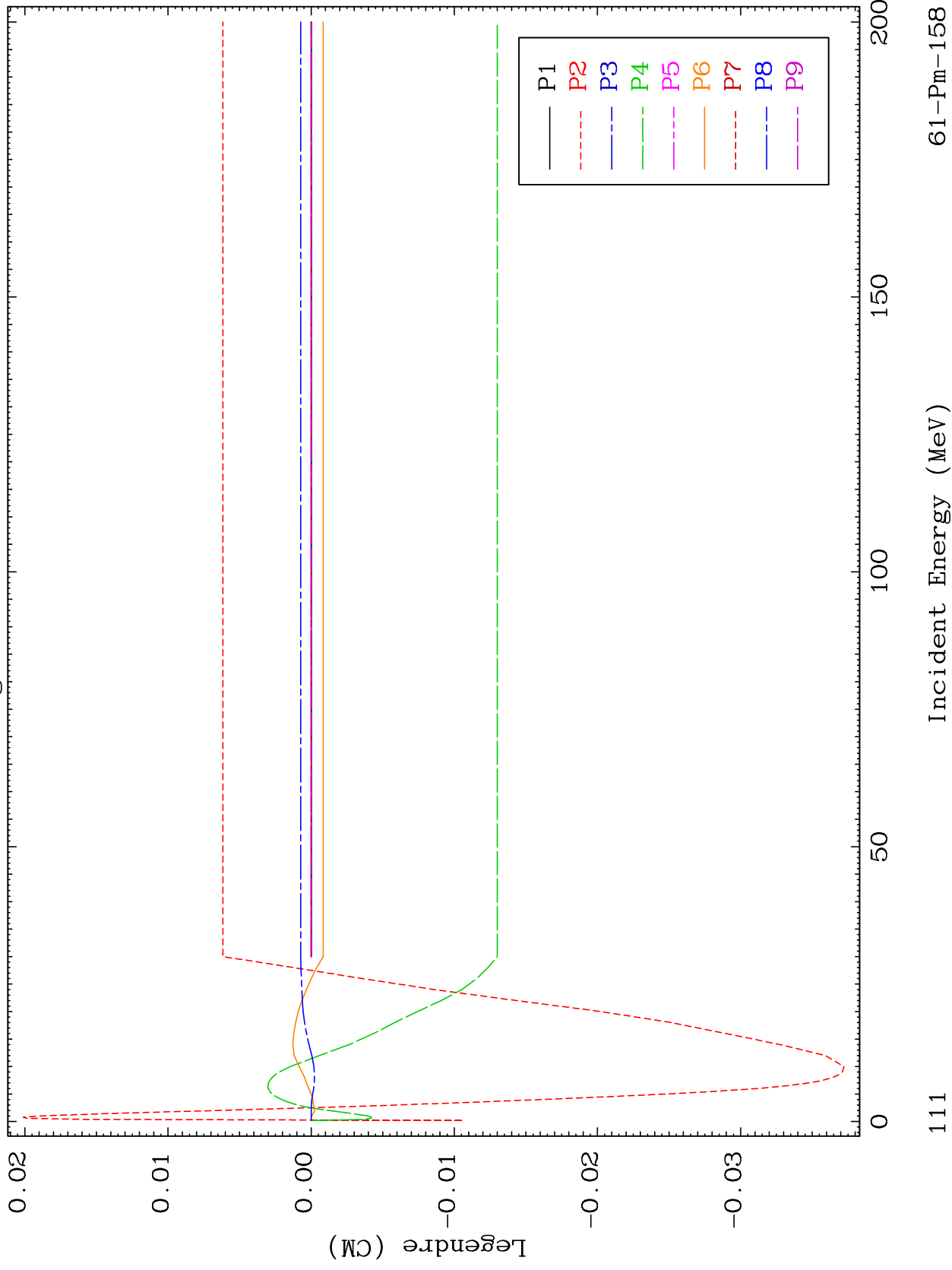
109



MAT 6182

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

61-Pm-158

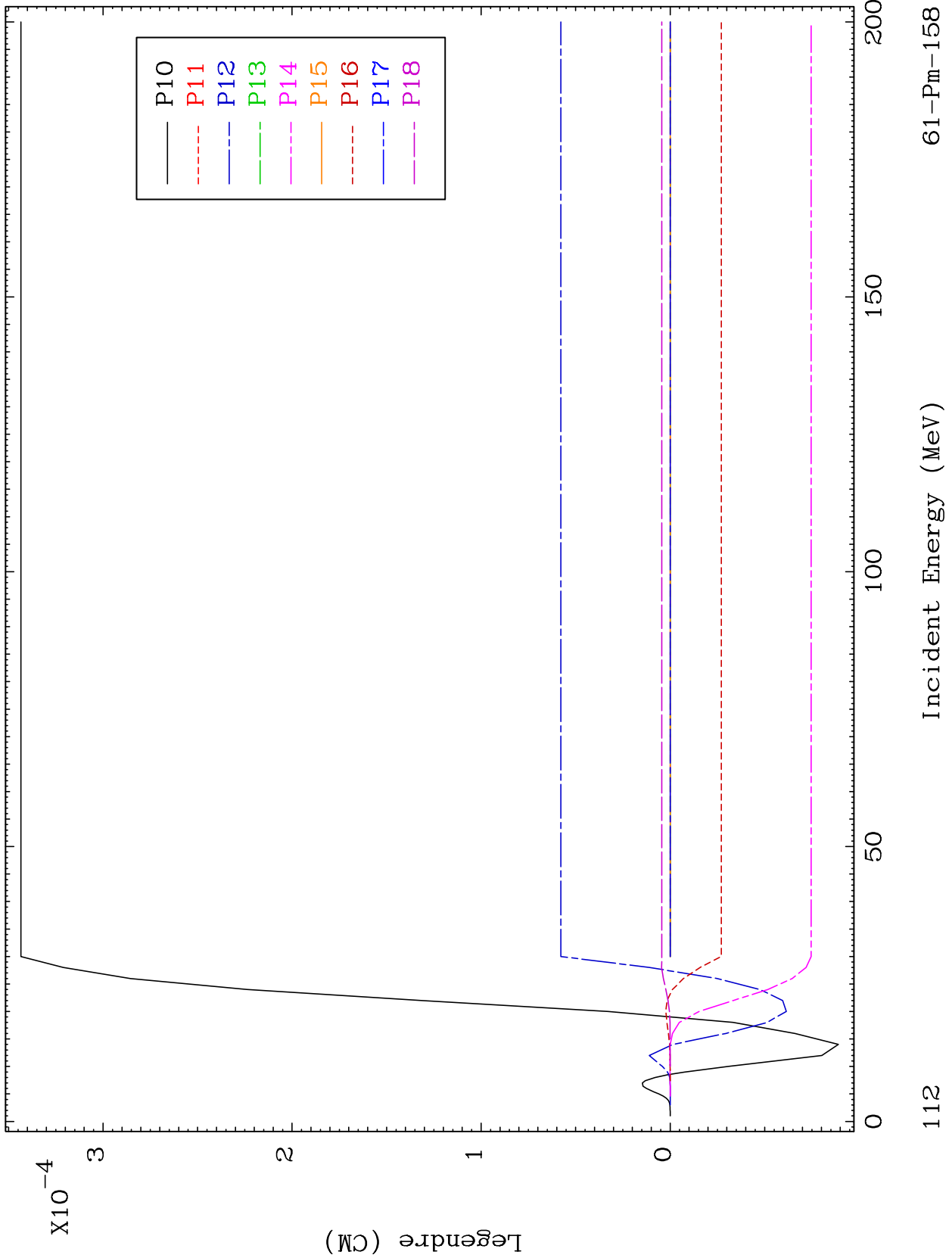


111

MAT 6182

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

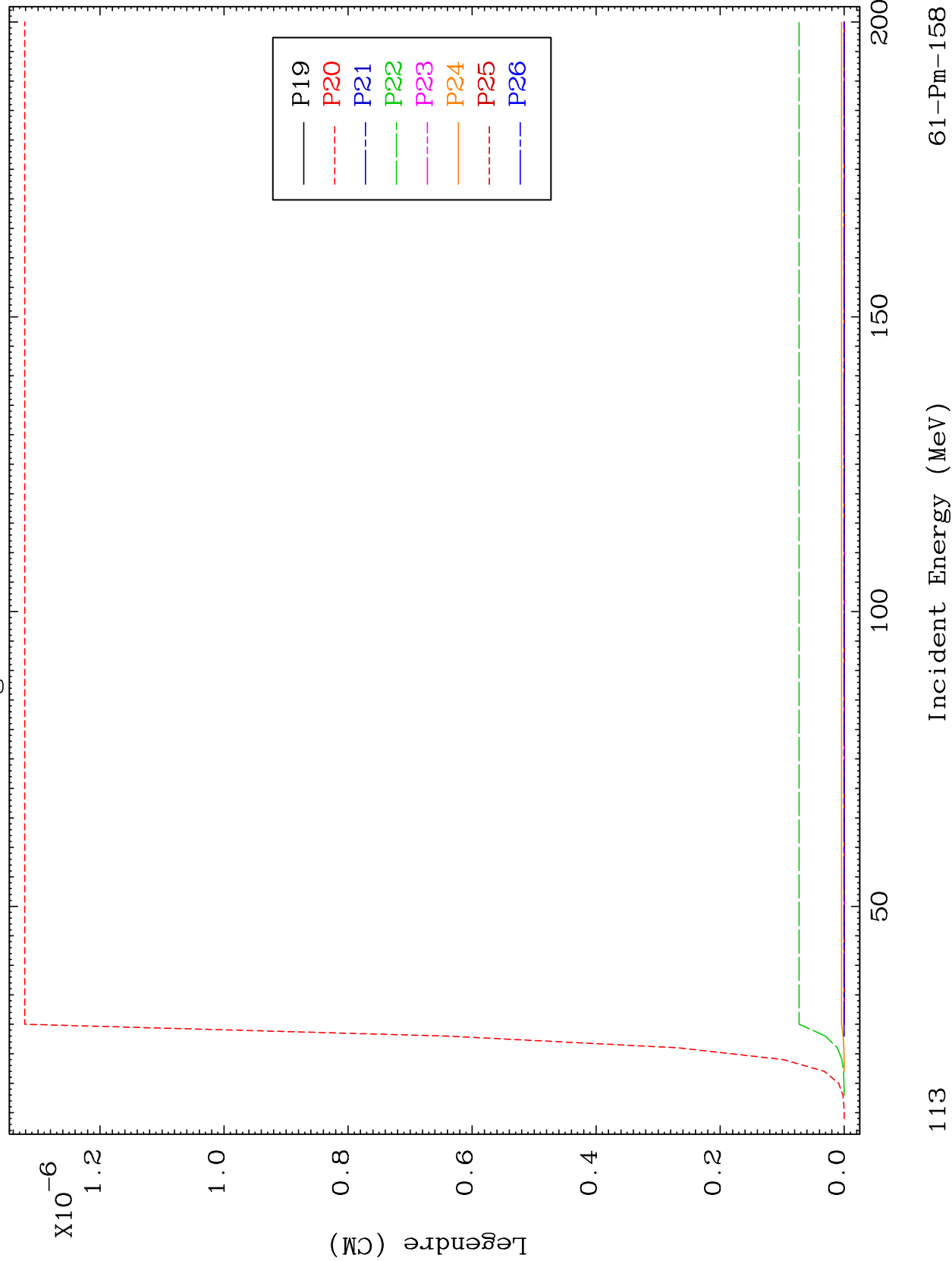
61-Pm-158



MAT 6182

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

61-Pm-158



113

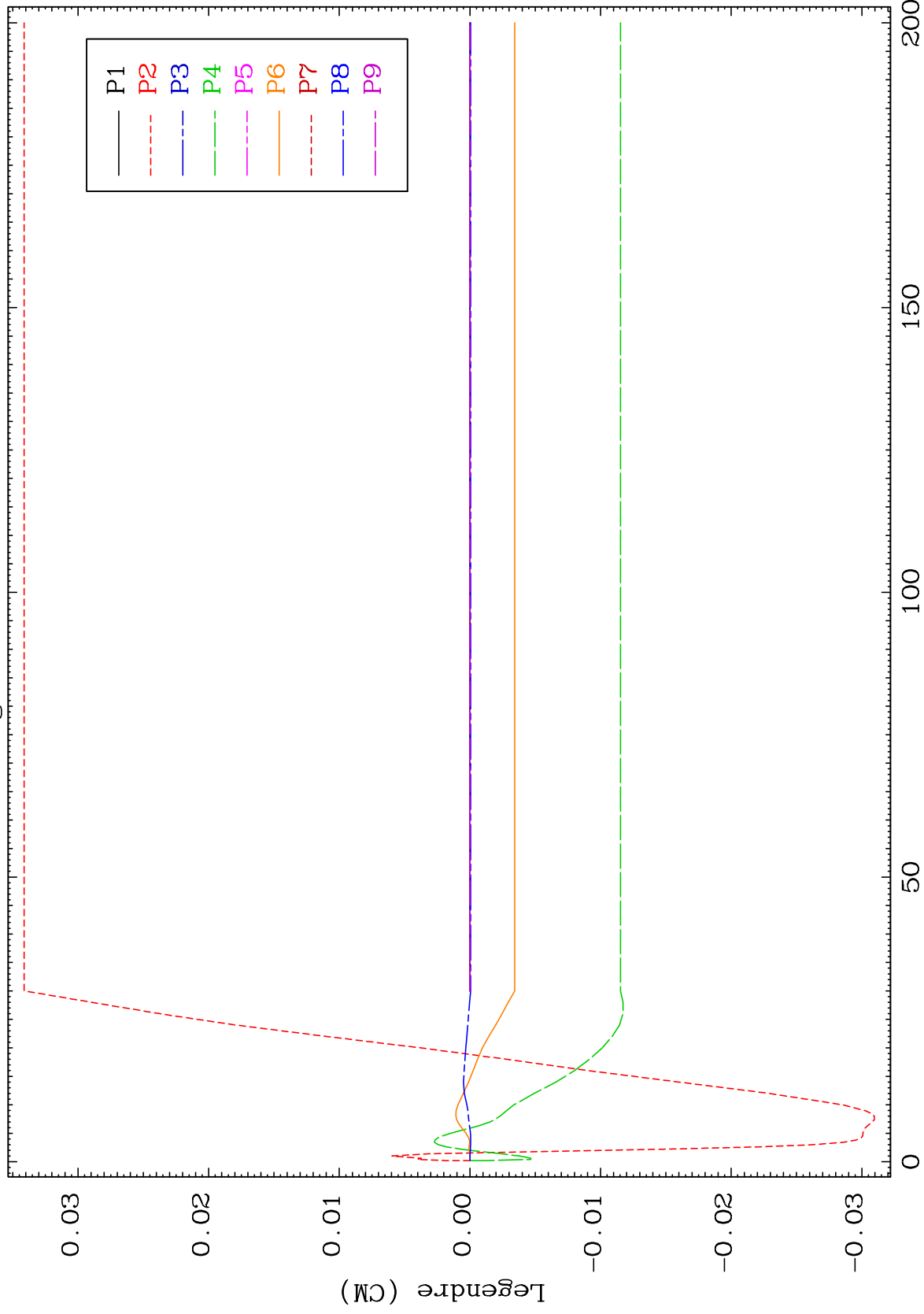
Incident Energy (MeV)

61-Pm-158

MAT 6182

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

61-Pm-158



61-Pm-158

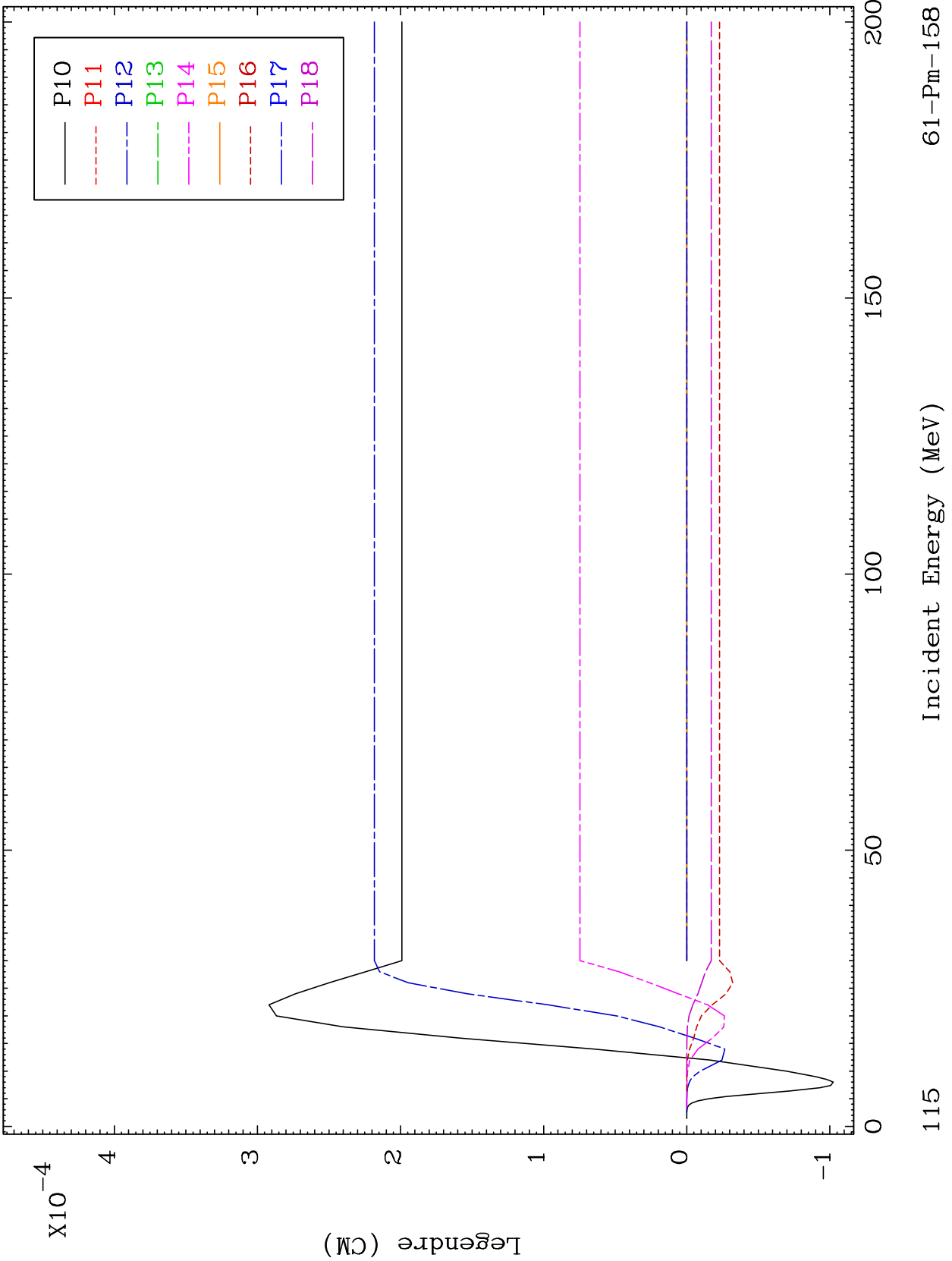
Incident Energy (MeV)

114

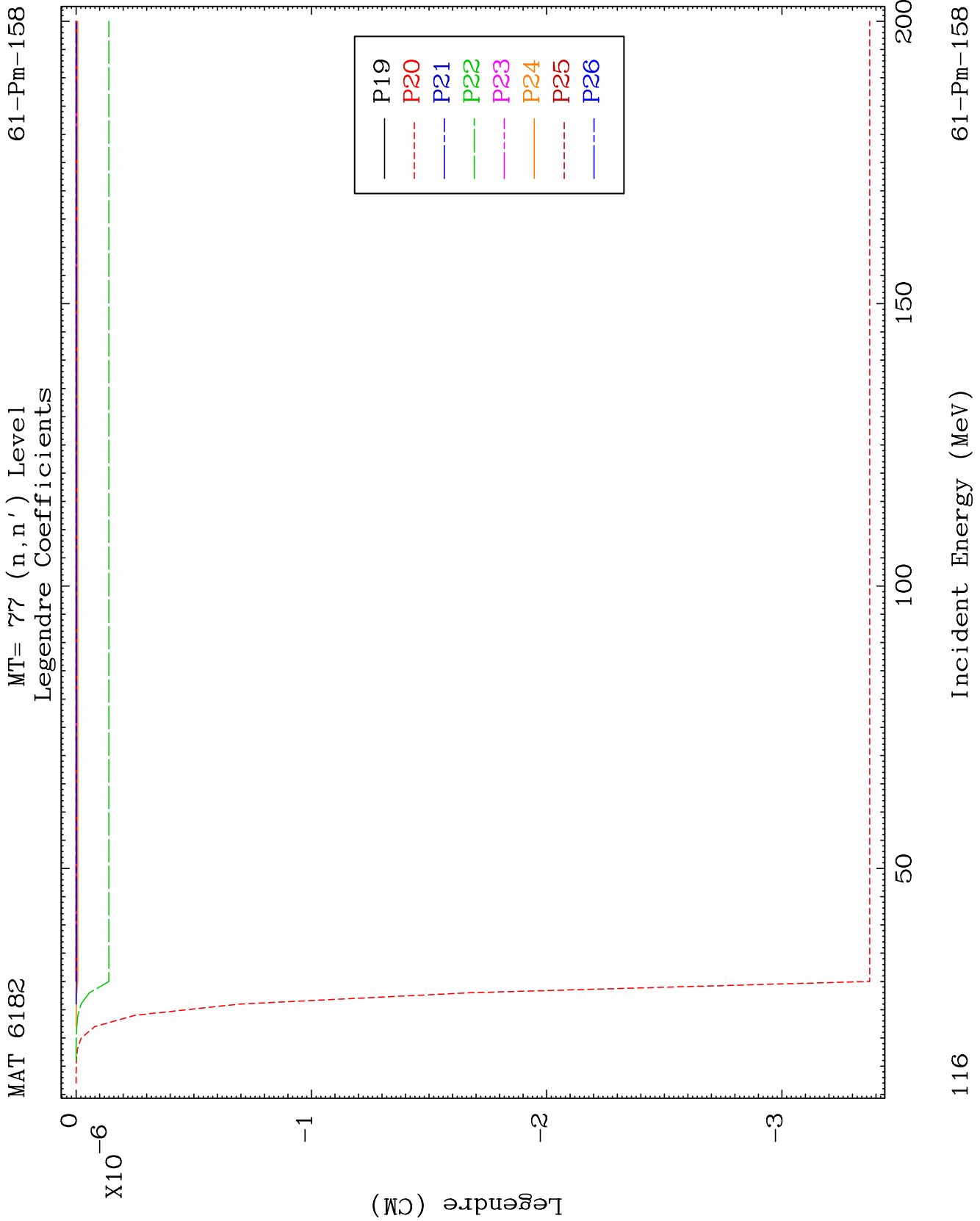
MAT 6182

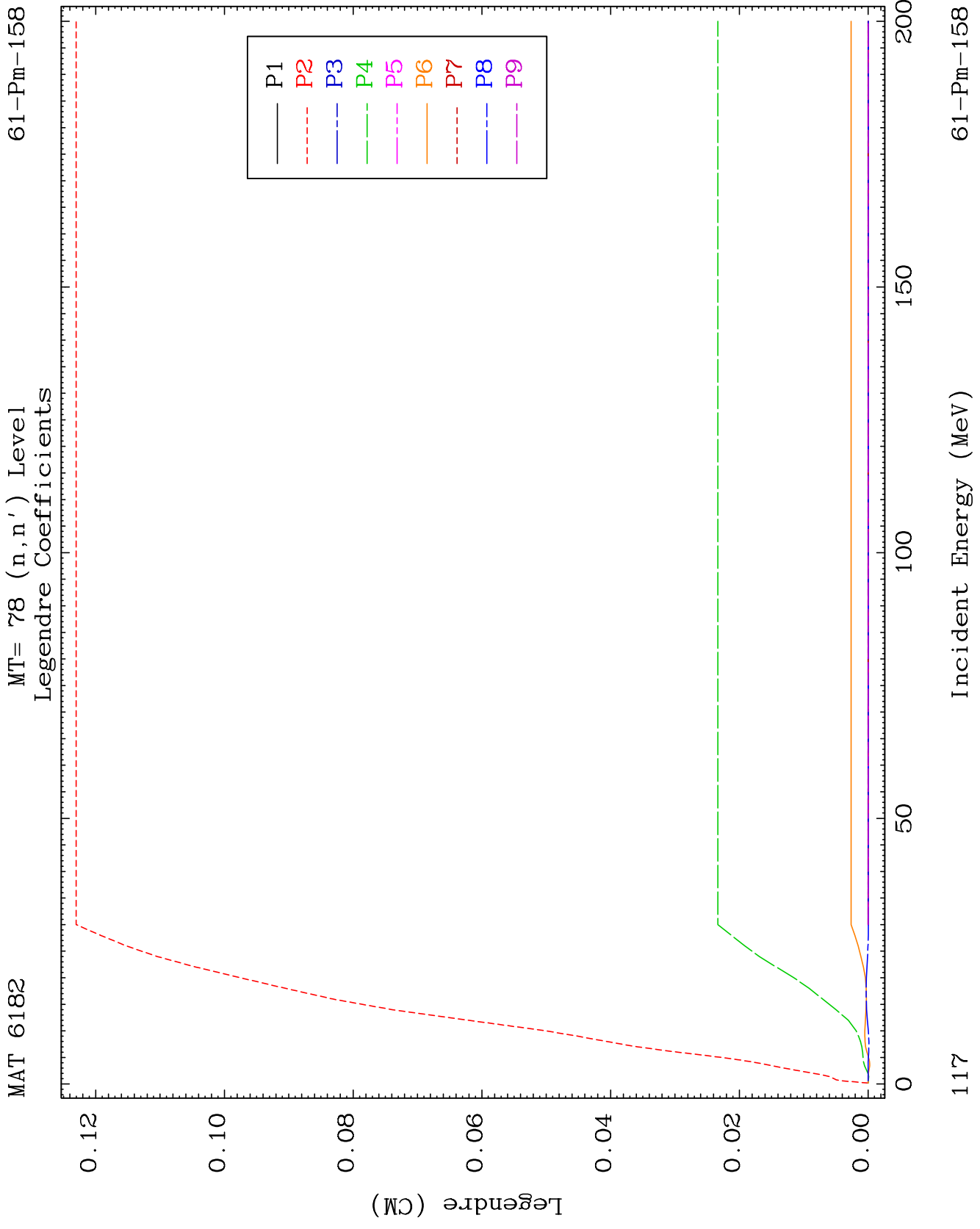
MT= 77 (n,n') Level  
Legendre Coefficients

61-Pm-158



61-Pm-158

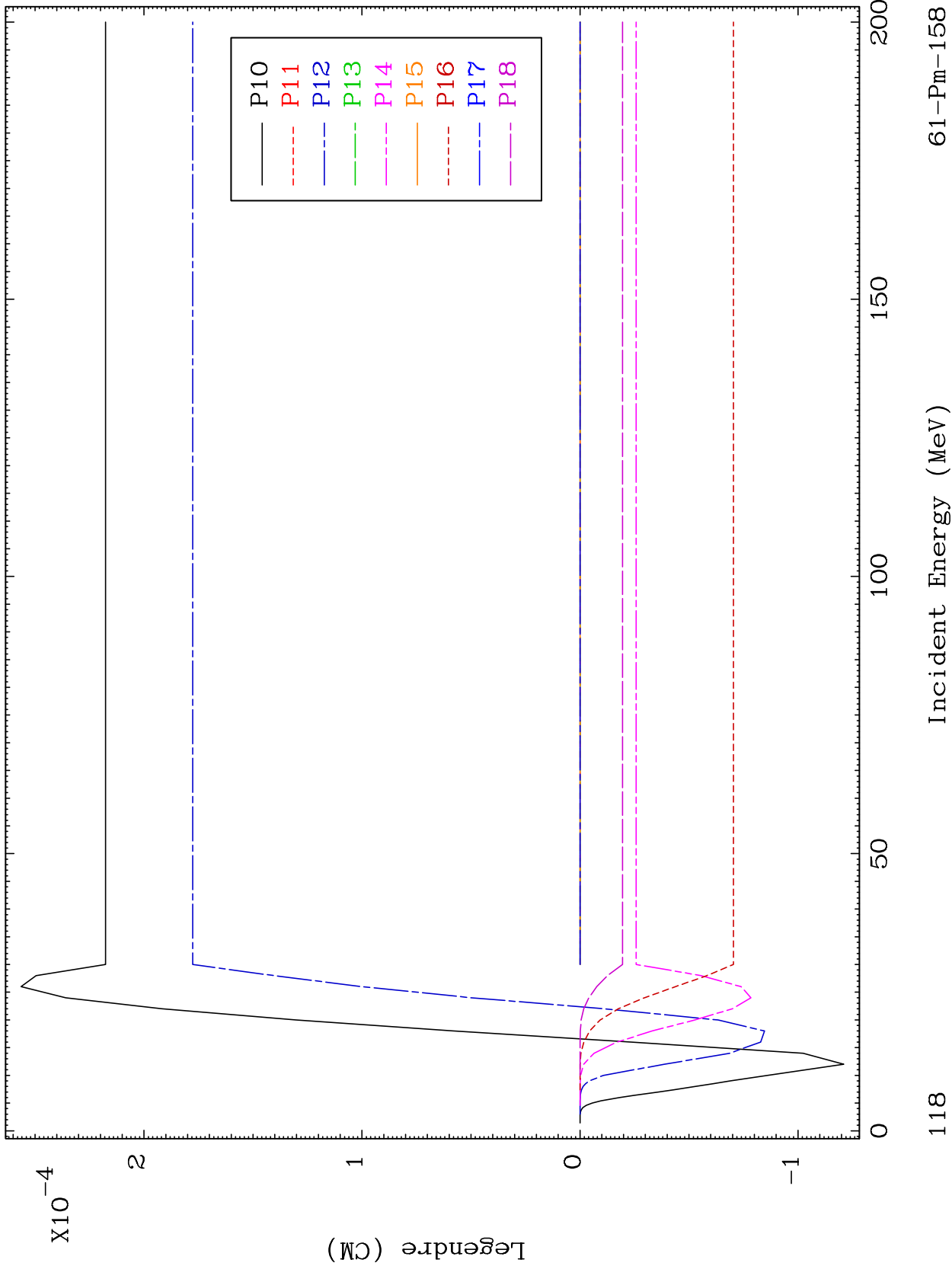




MAT 6182

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

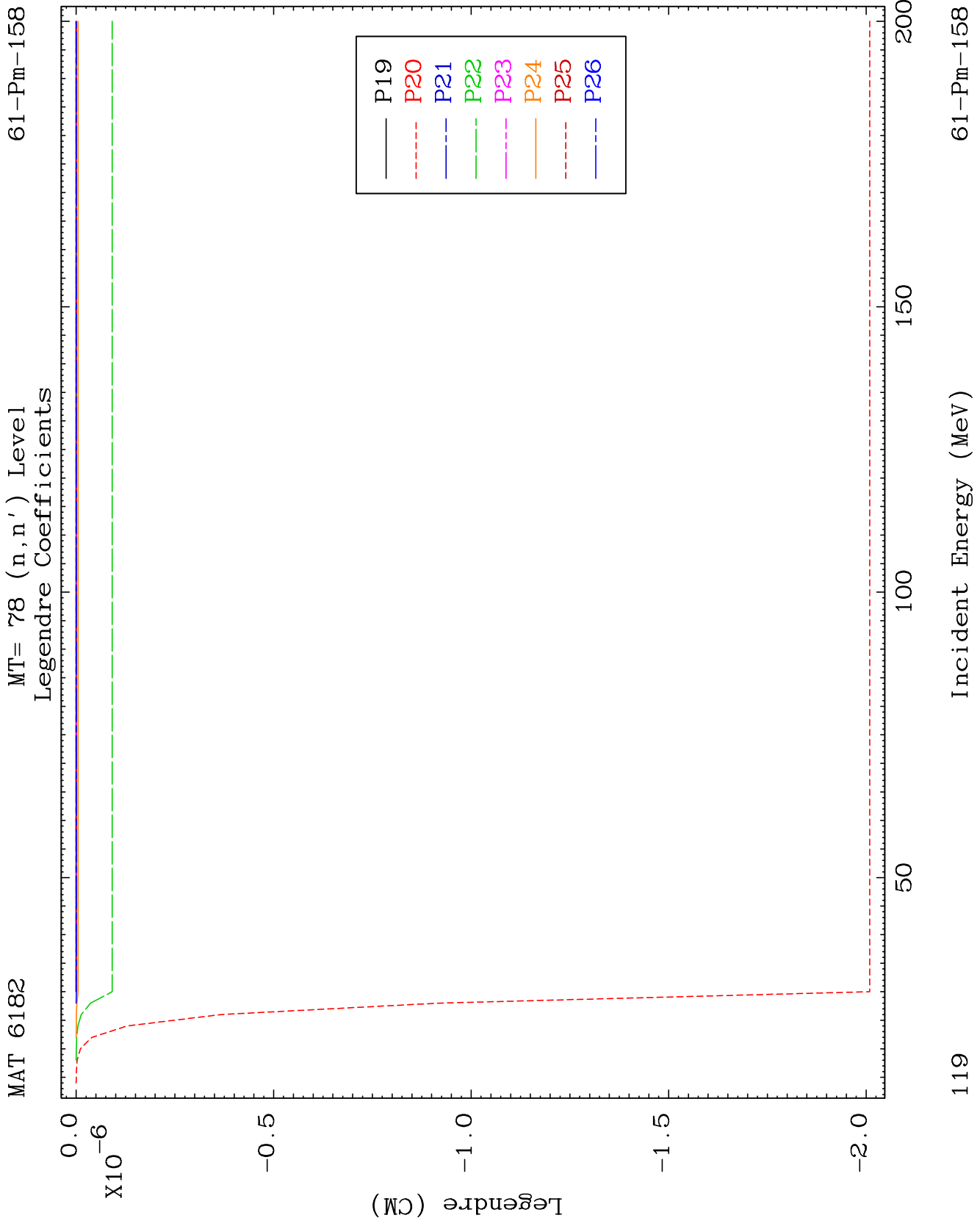
61-Pm-158



61-Pm-158

Incident Energy (MeV)

118

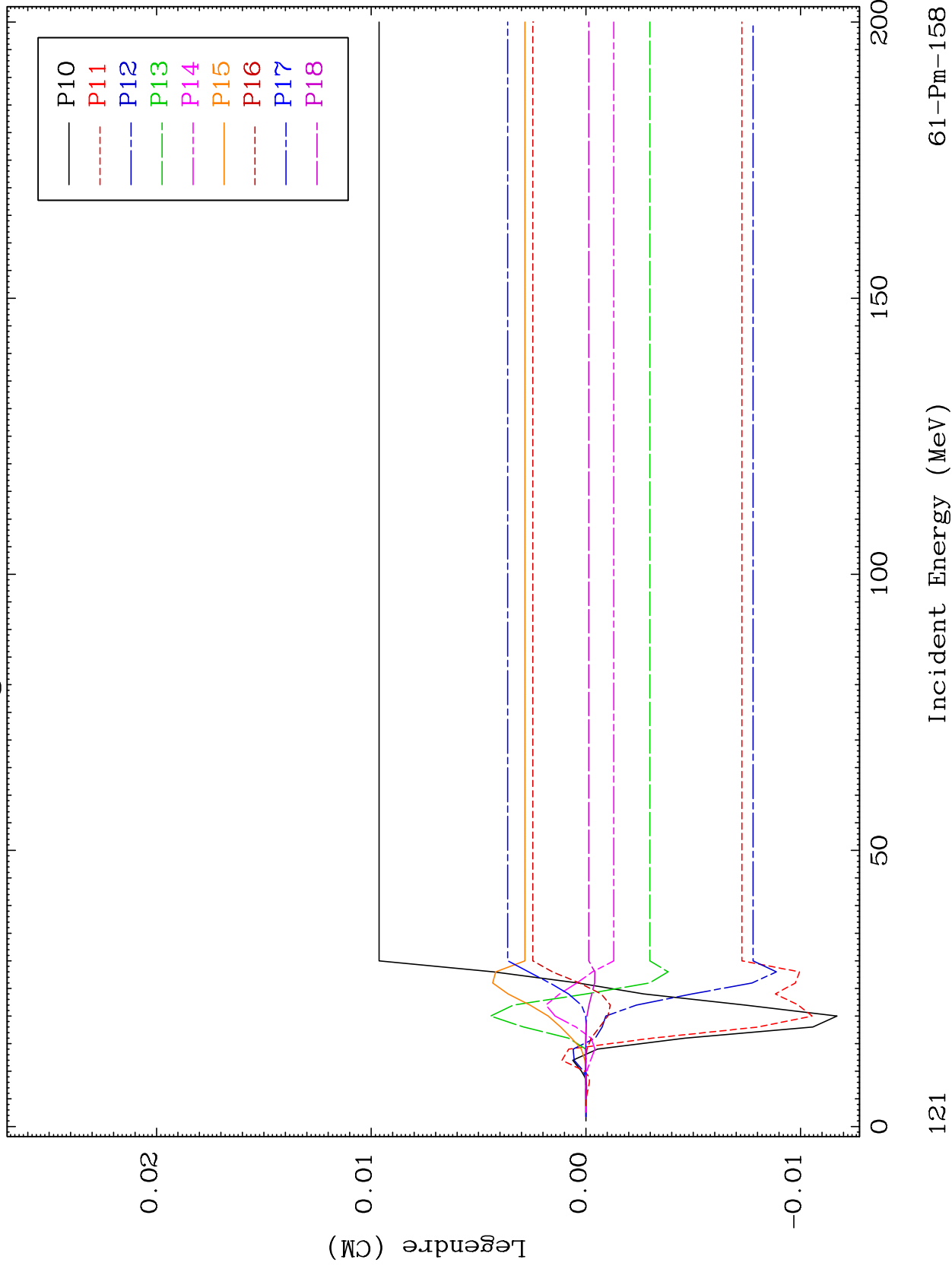




MAT 6182

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

61-Pm-158



121

Incident Energy (MeV)

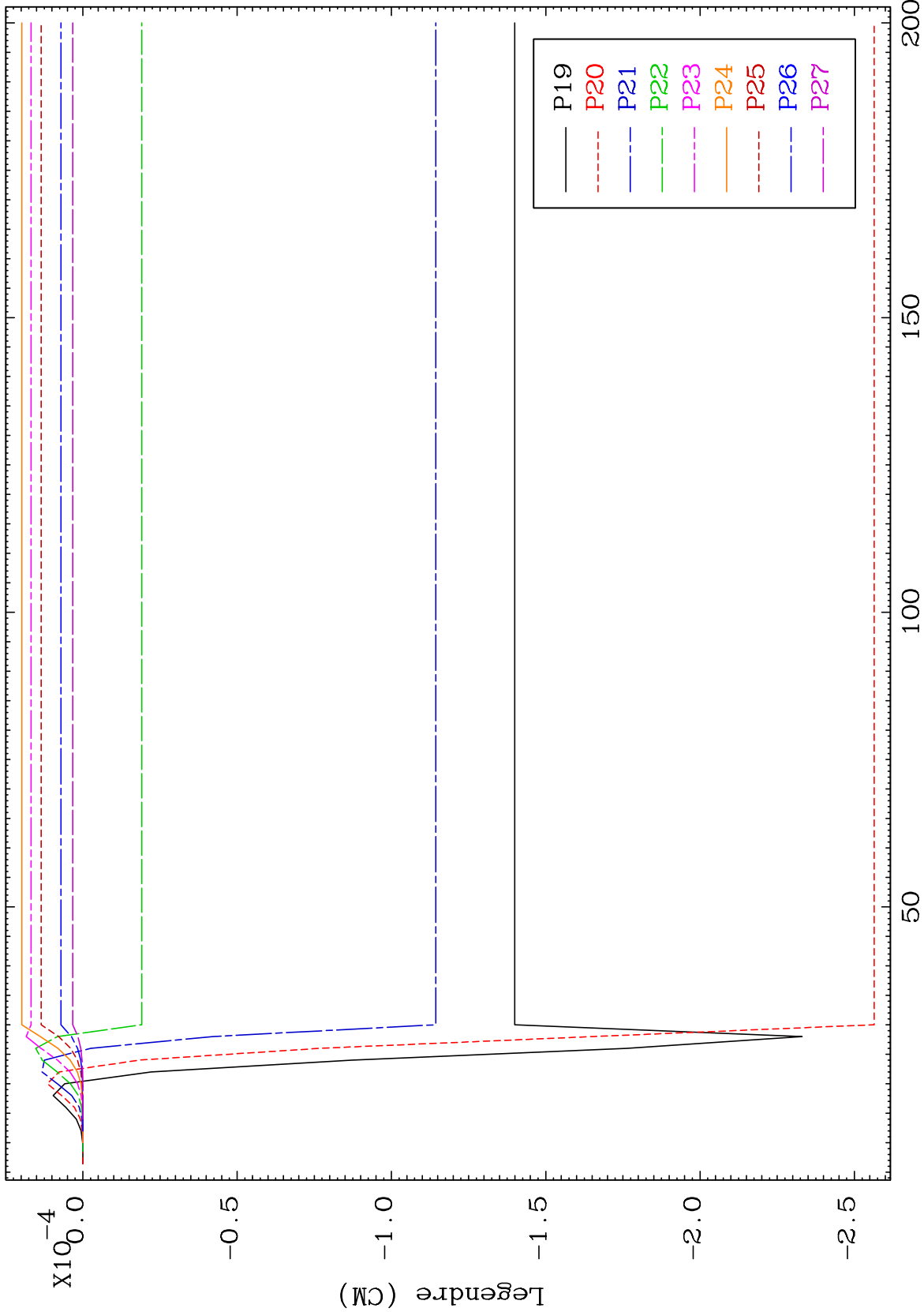
61-Pm-158

MAT 6182

MT= 79 (n,n') Level

61-Pm-158

Legendre Coefficients



122

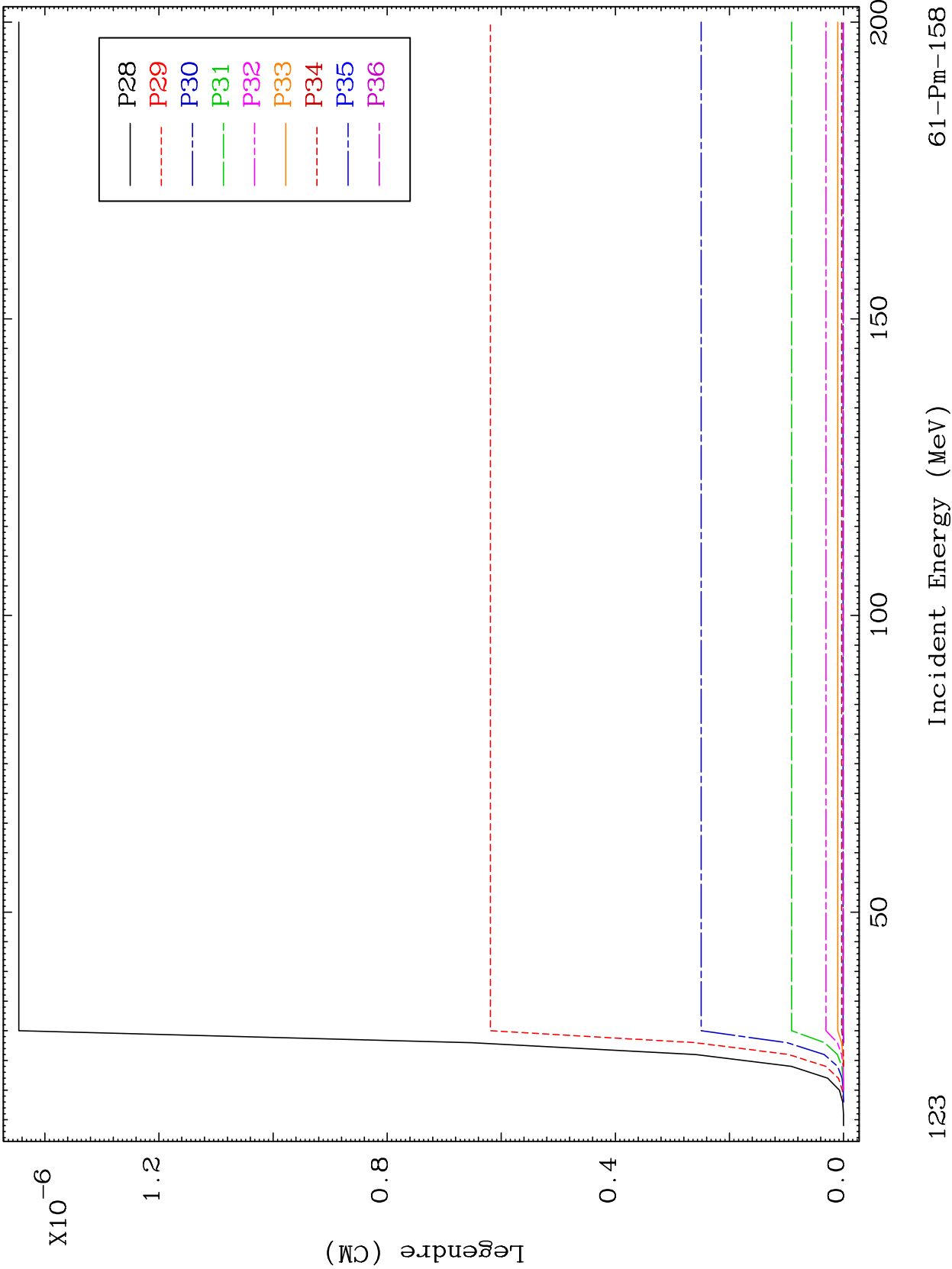
Incident Energy (MeV)

61-Pm-158

MAT 6182

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

61-Pm-158

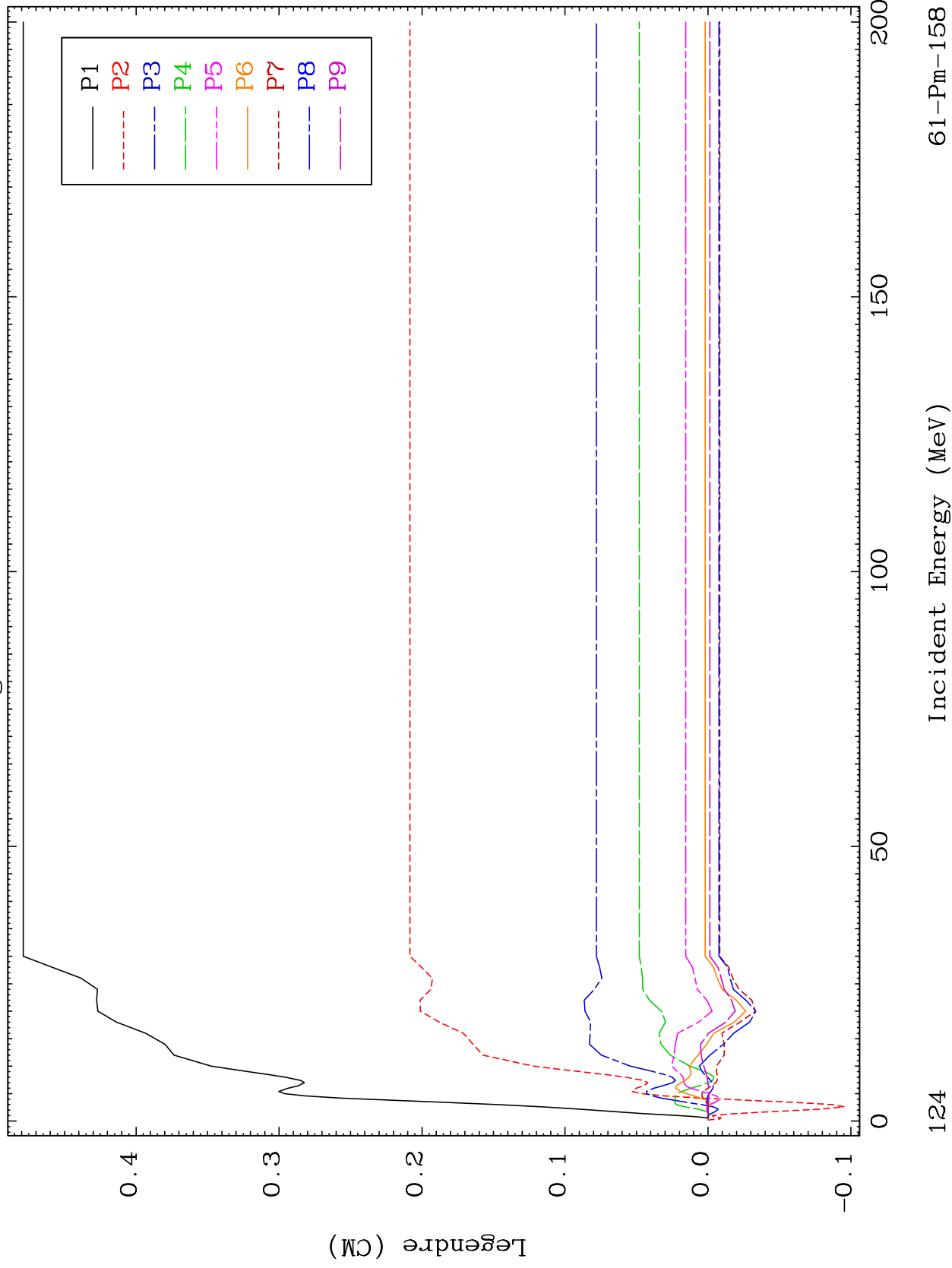


123

MAT 6182

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

61-Pm-158



61-Pm-158

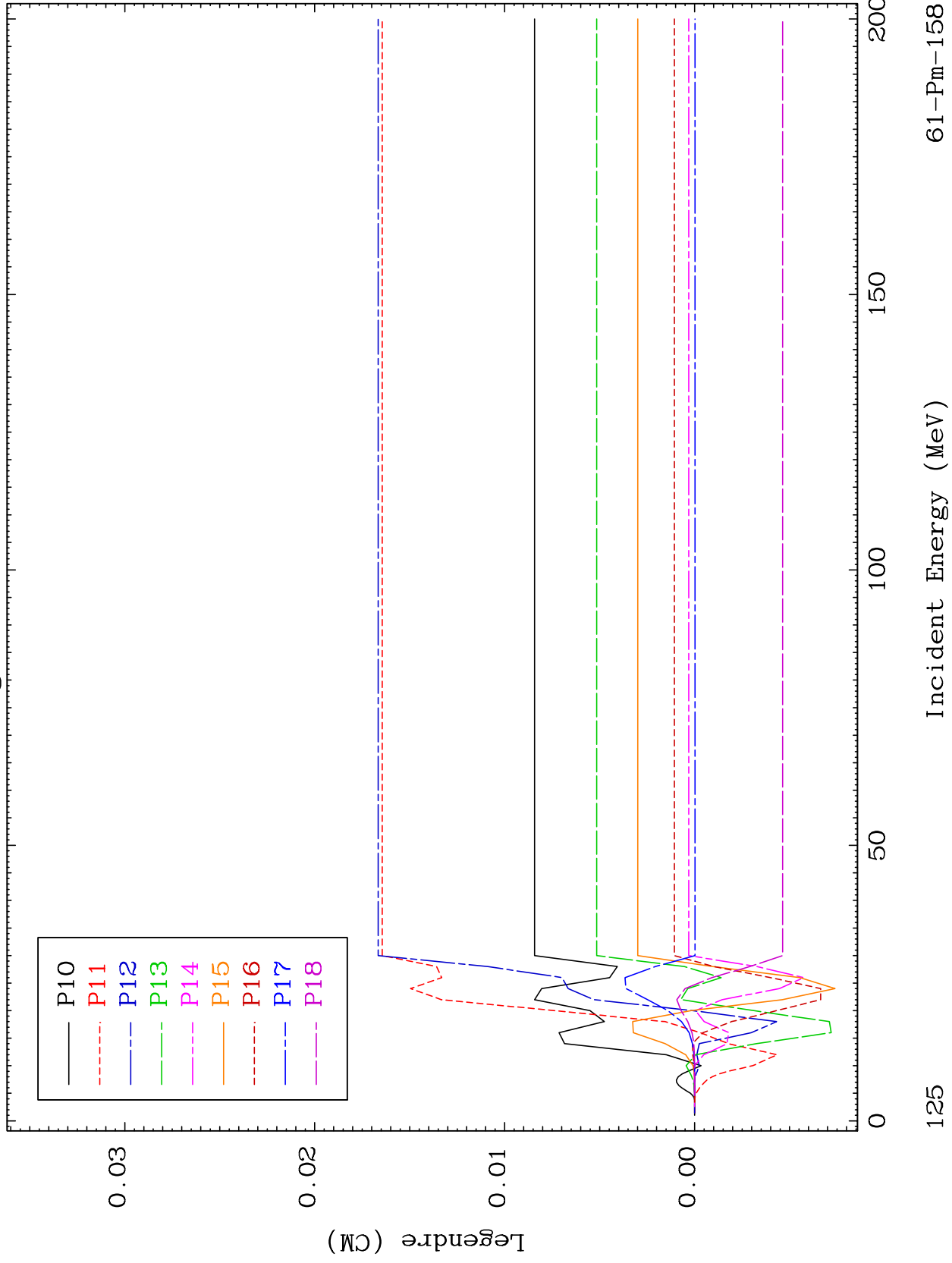
Incident Energy (MeV)

124

MAT 6182

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

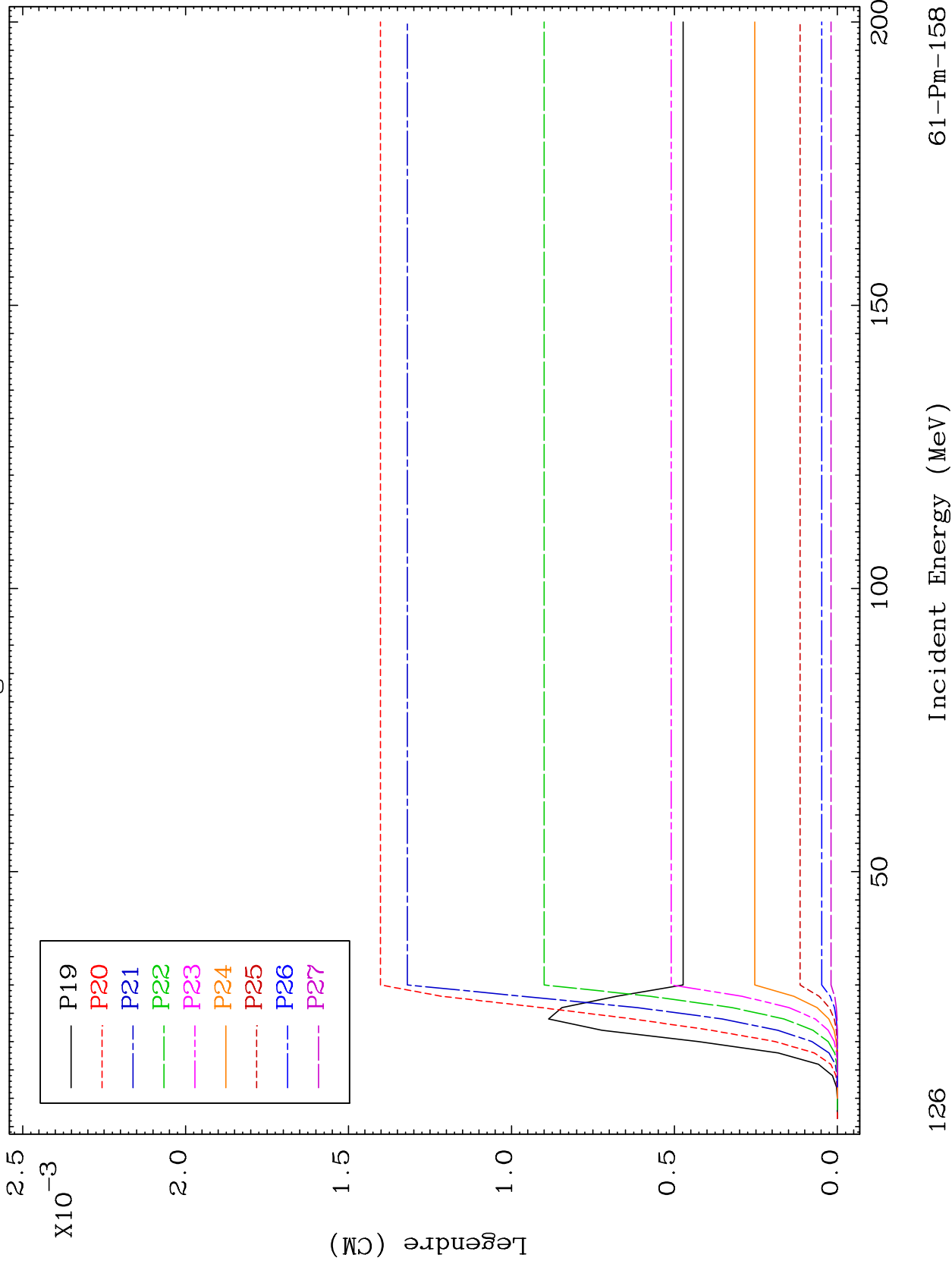
61-Pm-158



61-Pm-158

Incident Energy (MeV)

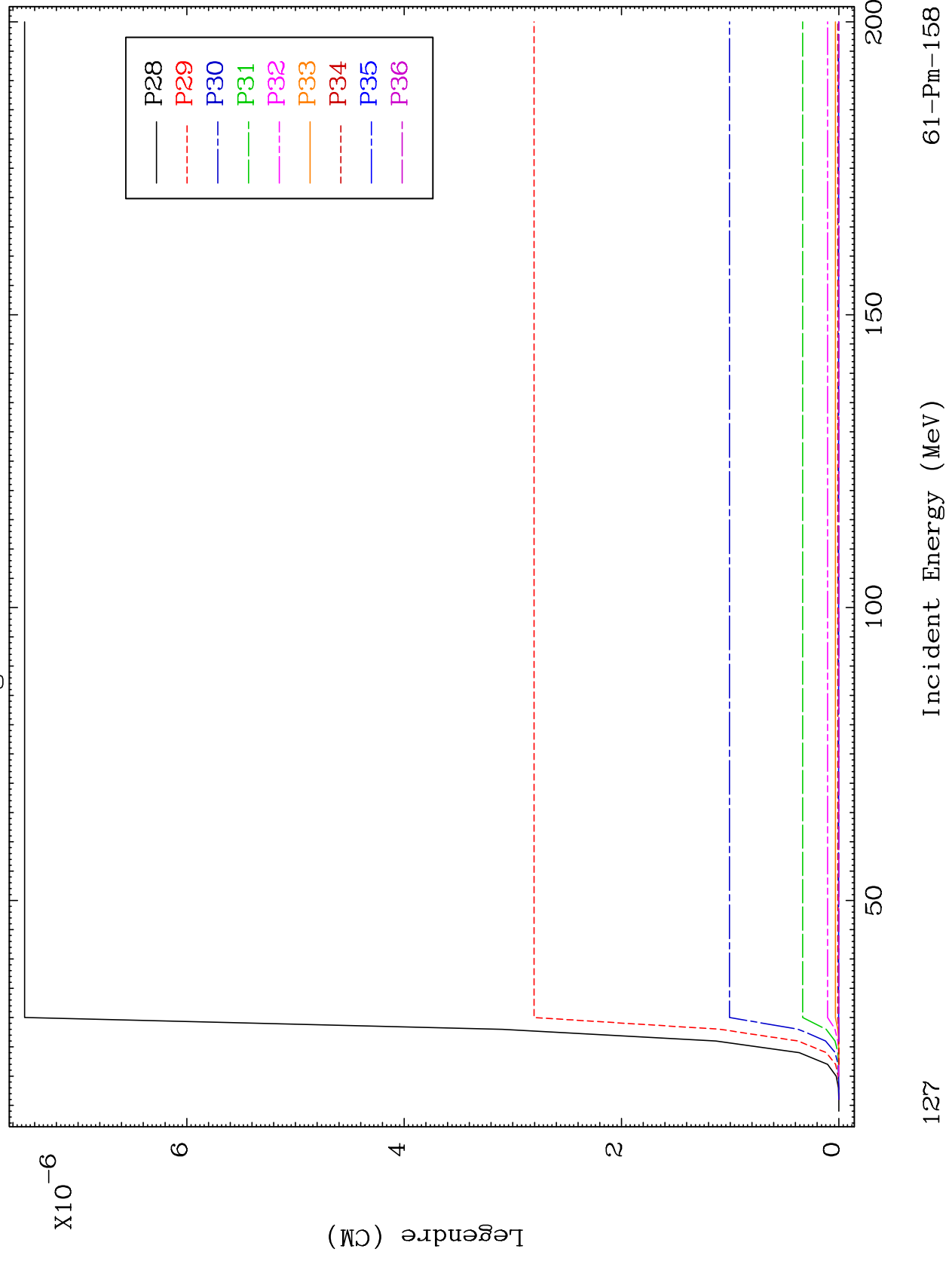
125



MAT 6182

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

61-Pm-158



127

Incident Energy (MeV)

61-Pm-158

(n,3n)  
Radionuclide Production Cross Section

