

Program EVALPLOT  
(Version 2021-1)

by

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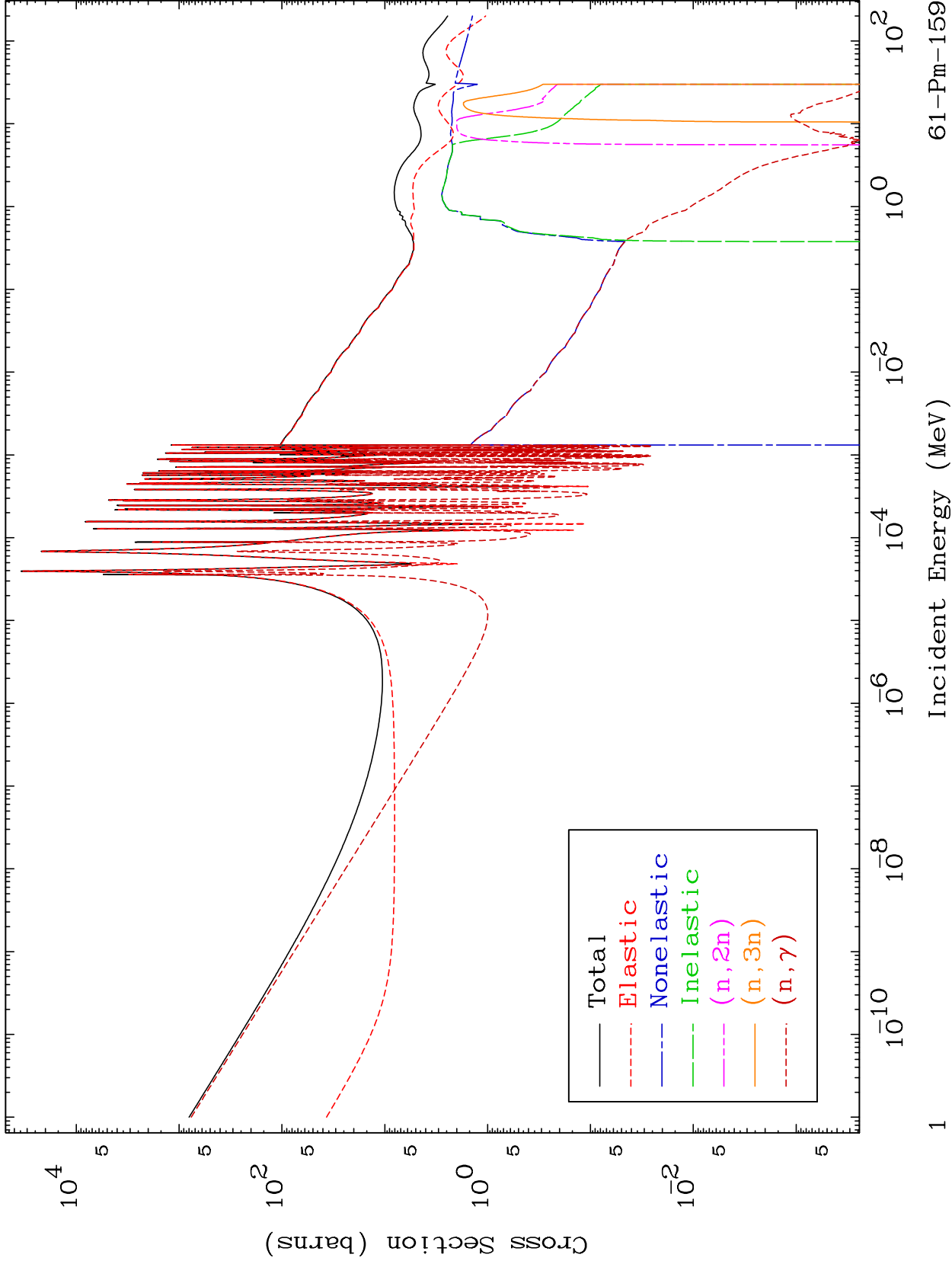
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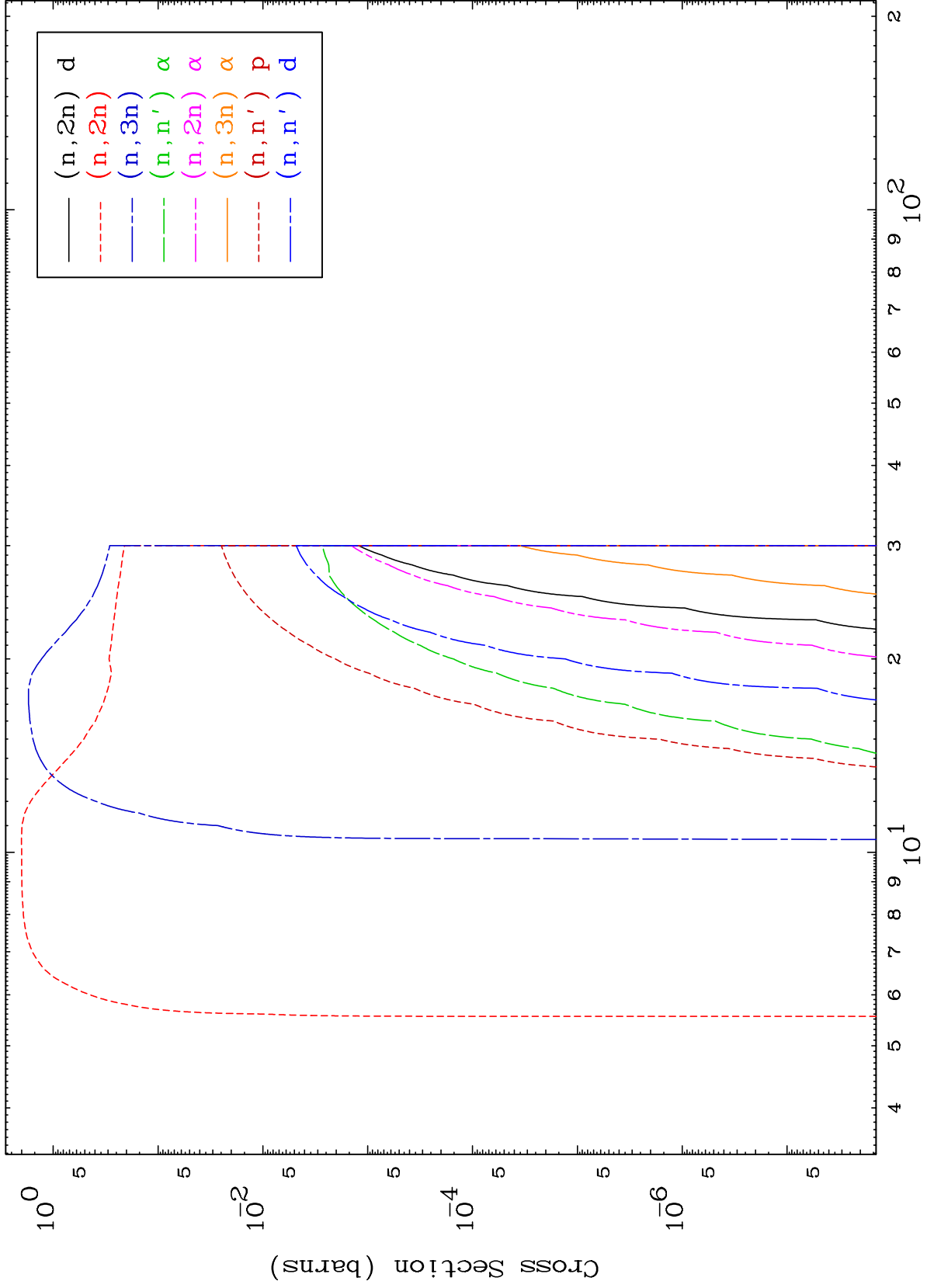
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MAT 6185

Neutron Major  
293 Kelvin Cross Sections

61-Pm-159

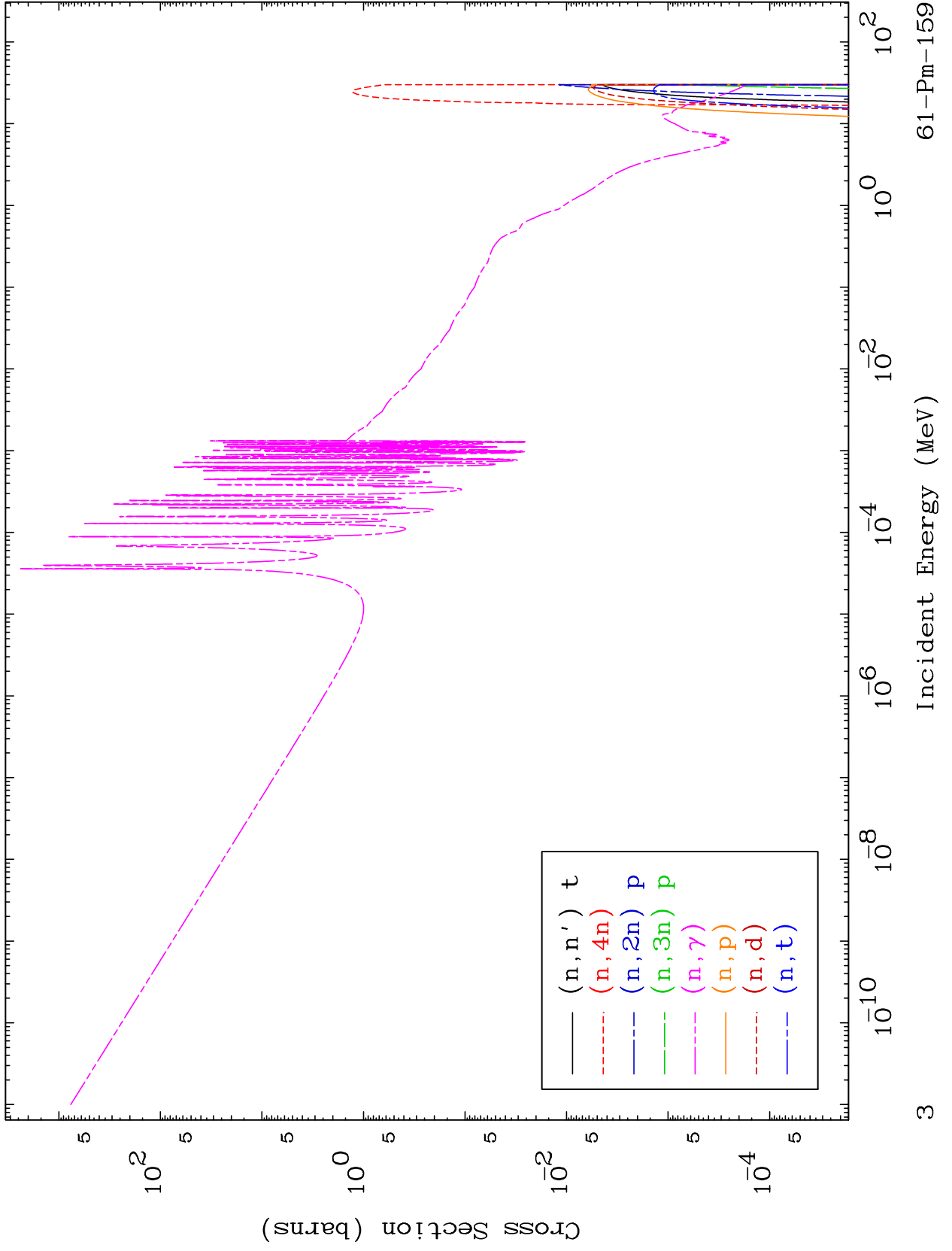




MAT 6185

Neutron Absorption  
293 Kelvin Cross Sections

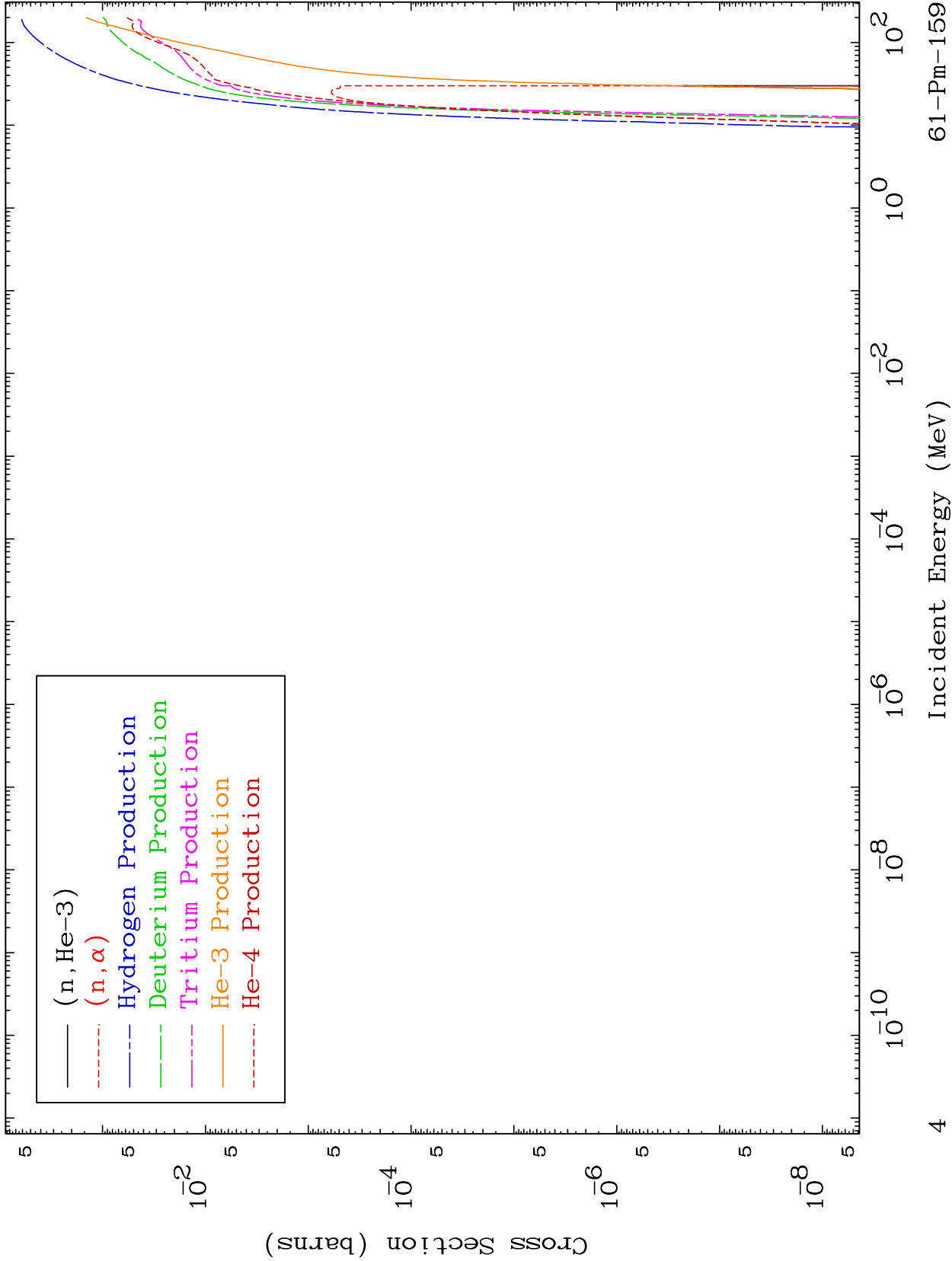
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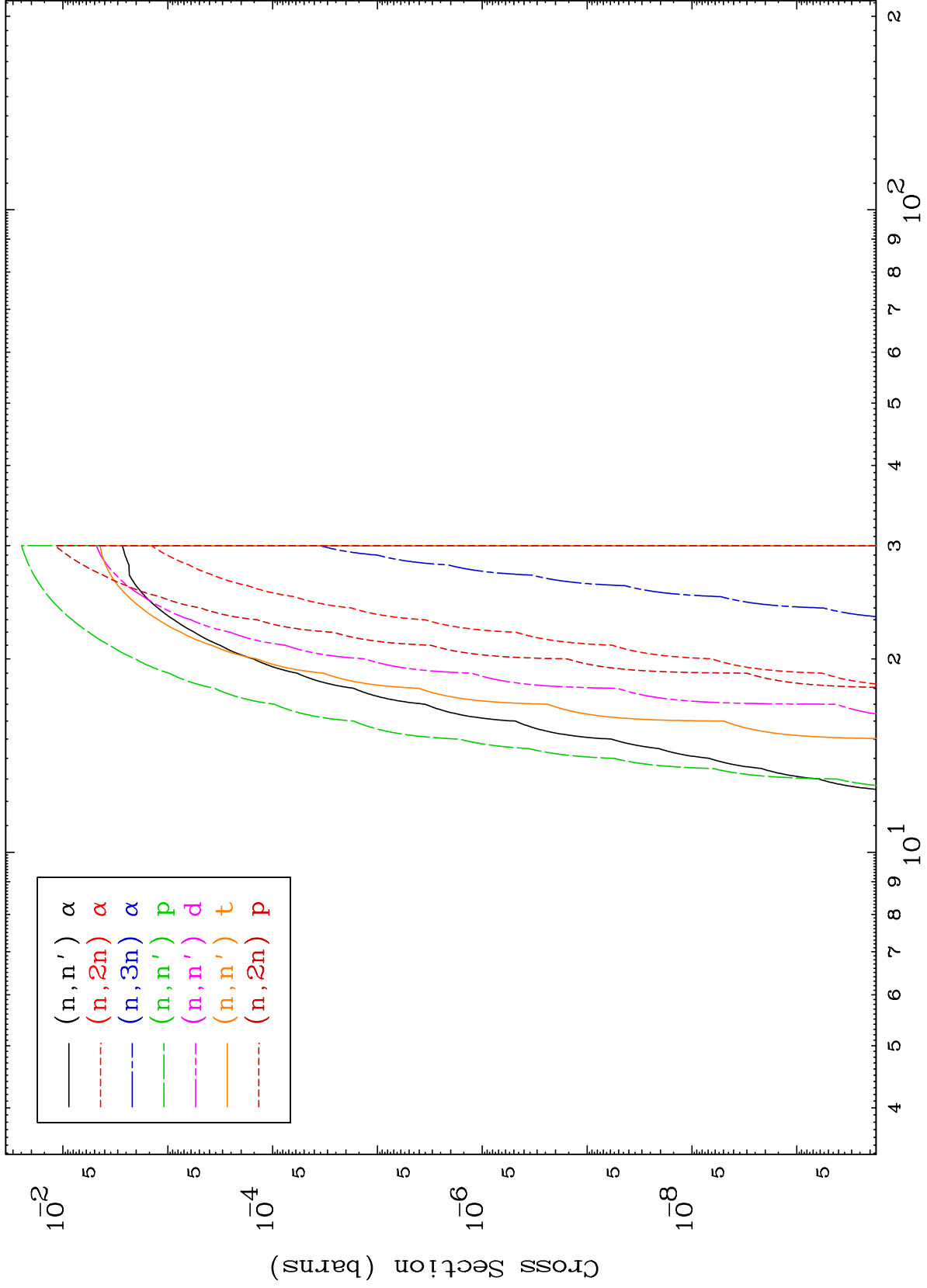


MAT 6185

Neutron Absorption  
293 Kelvin Cross Sections

61-Pm-159

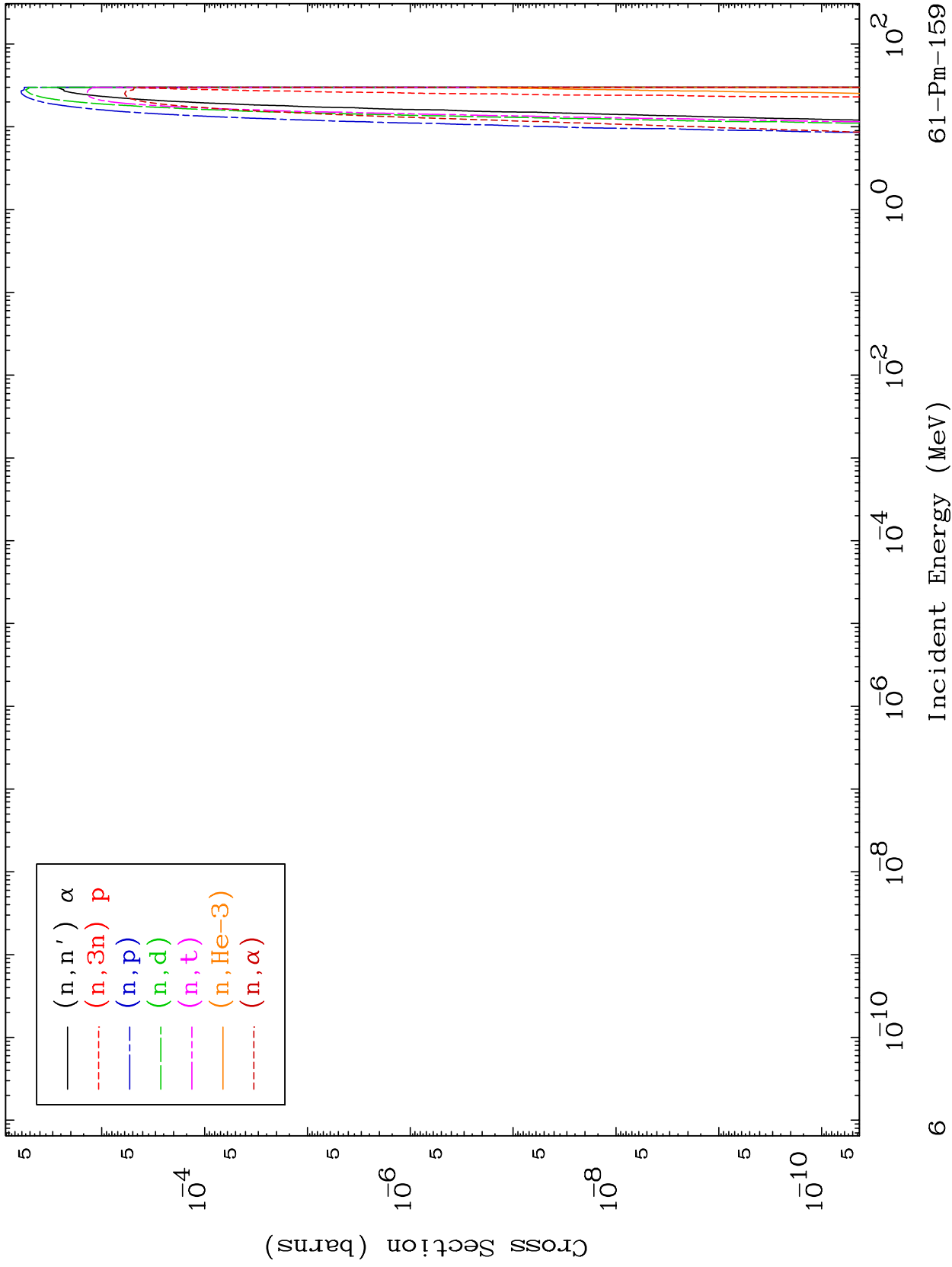




MAT 6185

Charged Particle  
293 Kelvin Cross Sections

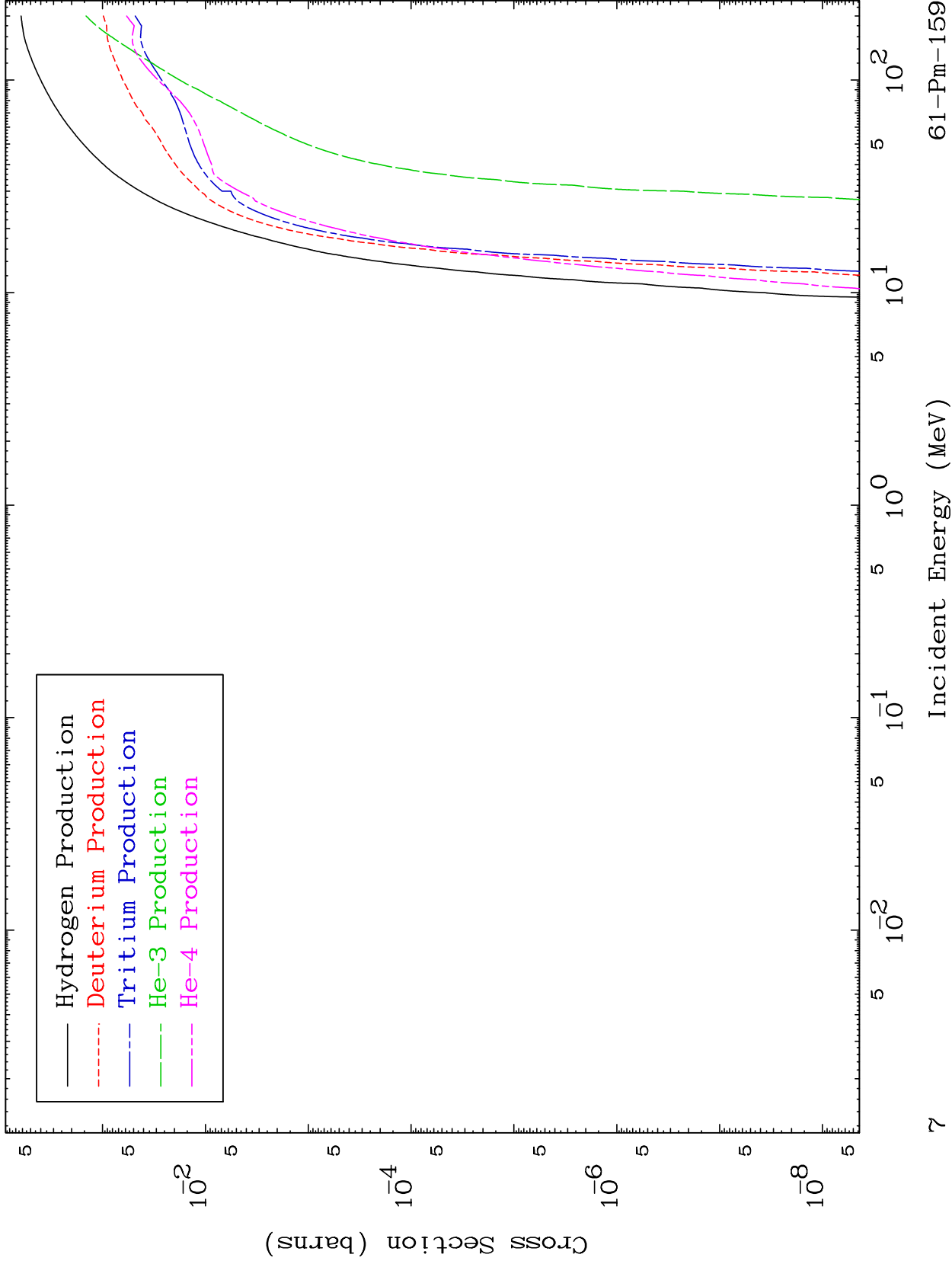
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MAT 6185

Particle Production  
293 Kelvin Cross Sections

61-Pm-159

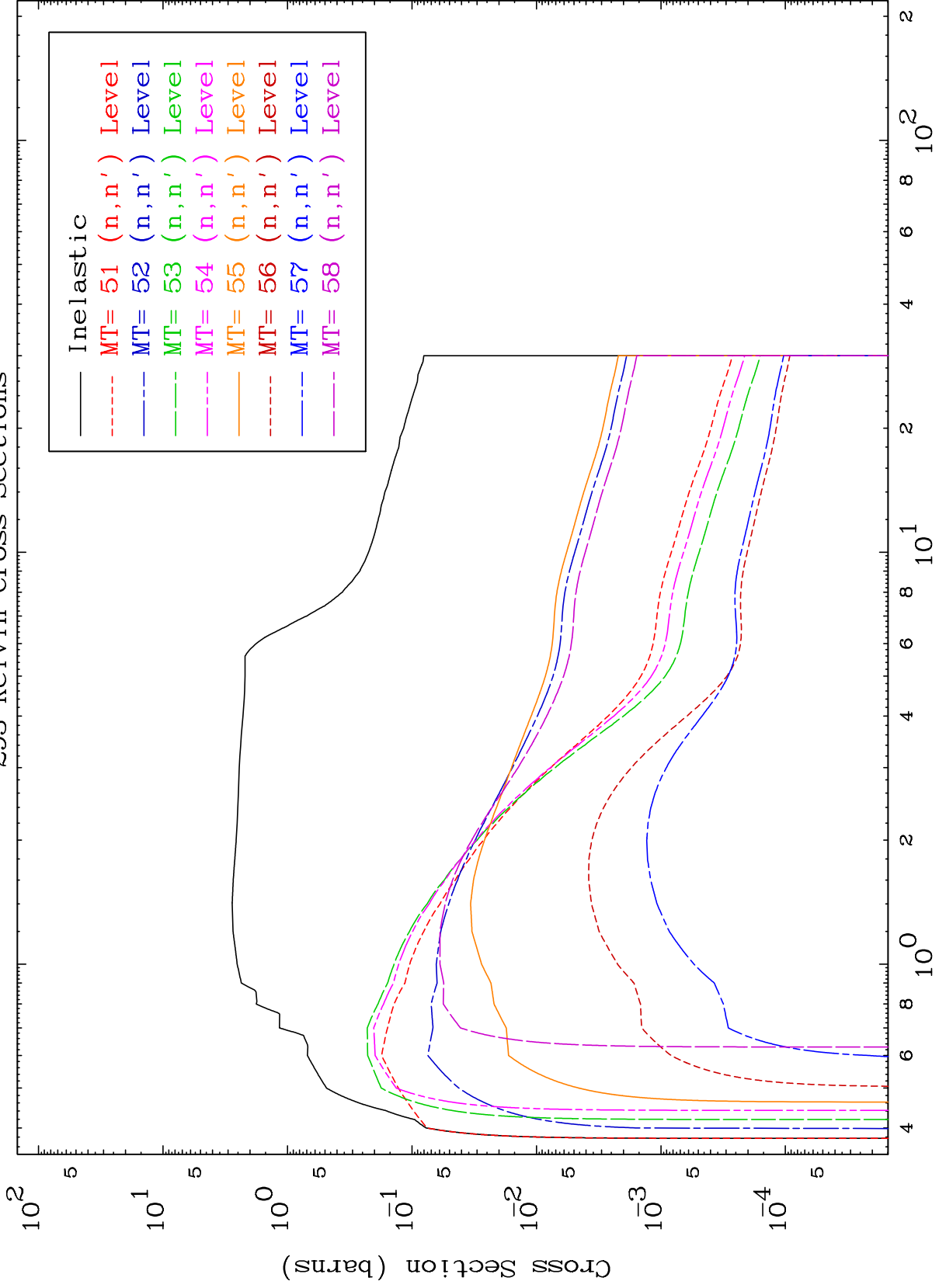


MAT 6185

(n,n') Levels

61-Pm-159

293 Kelvin Cross Sections



8

Incident Energy (MeV)

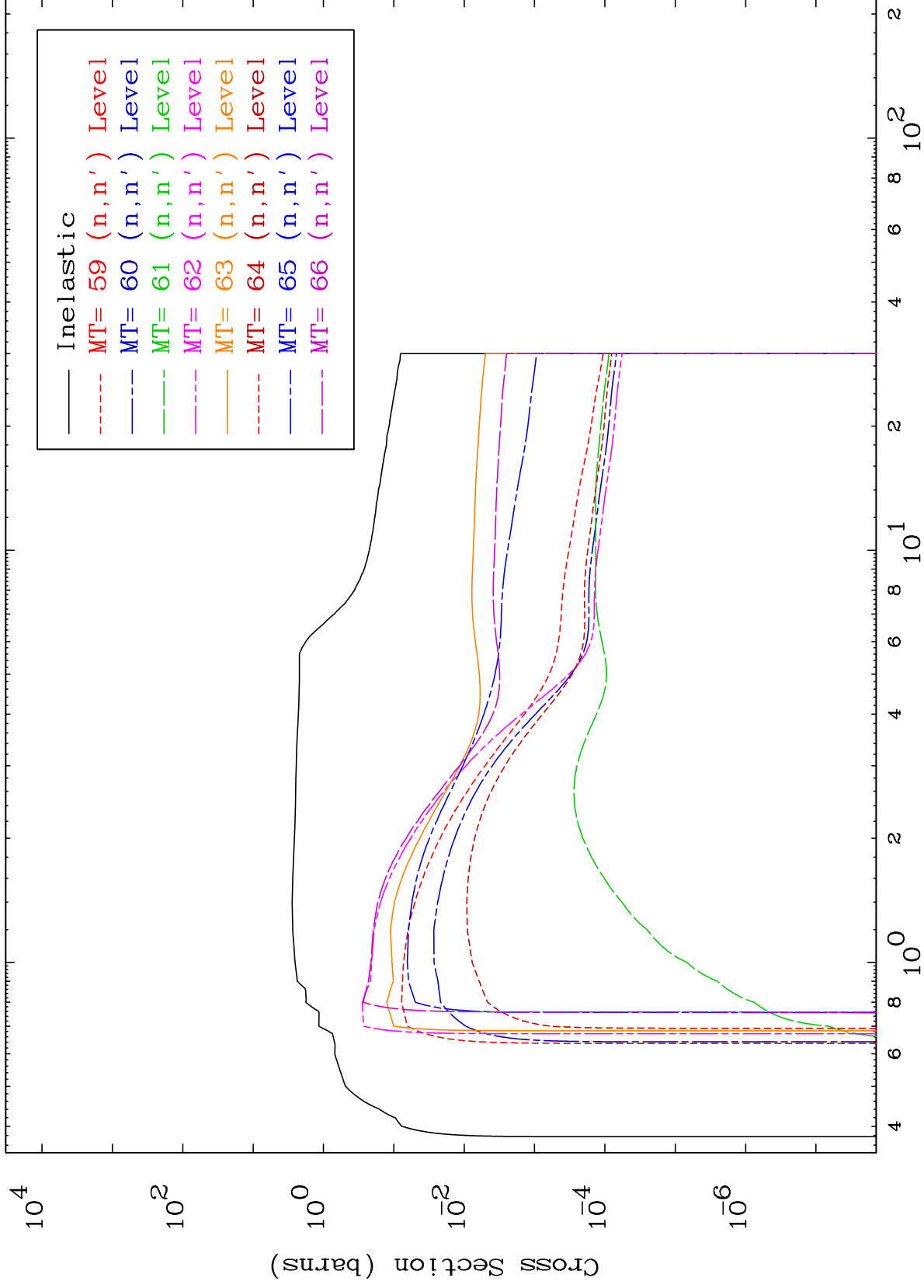
61-Pm-159

MAT 6185

(n,n') Levels

61-Pm-159

293 Kelvin Cross Sections



9

Incident Energy (MeV)

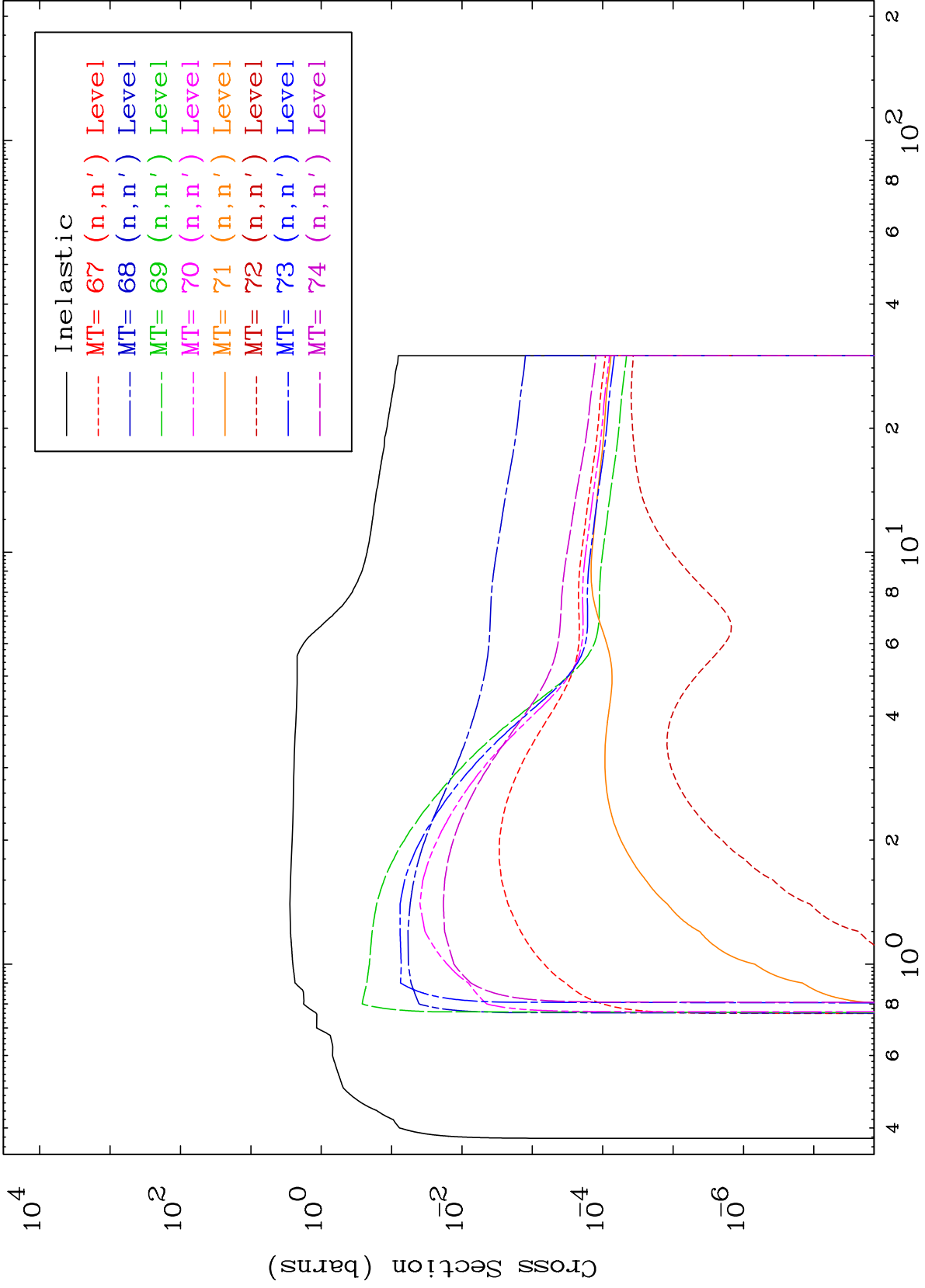
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MAT 6185

(n,n') Levels

293 Kelvin Cross Sections

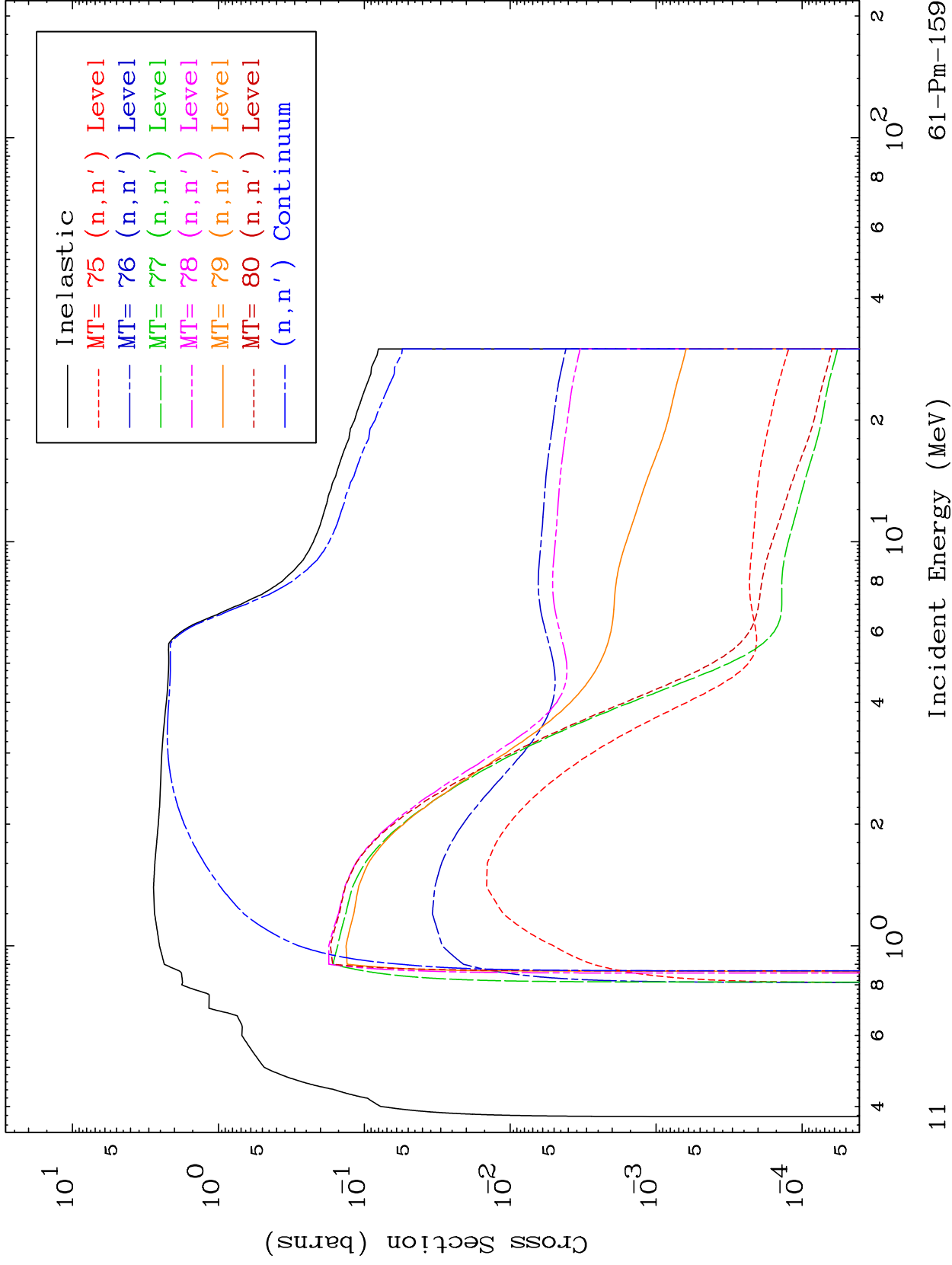
61-Pm-159



10

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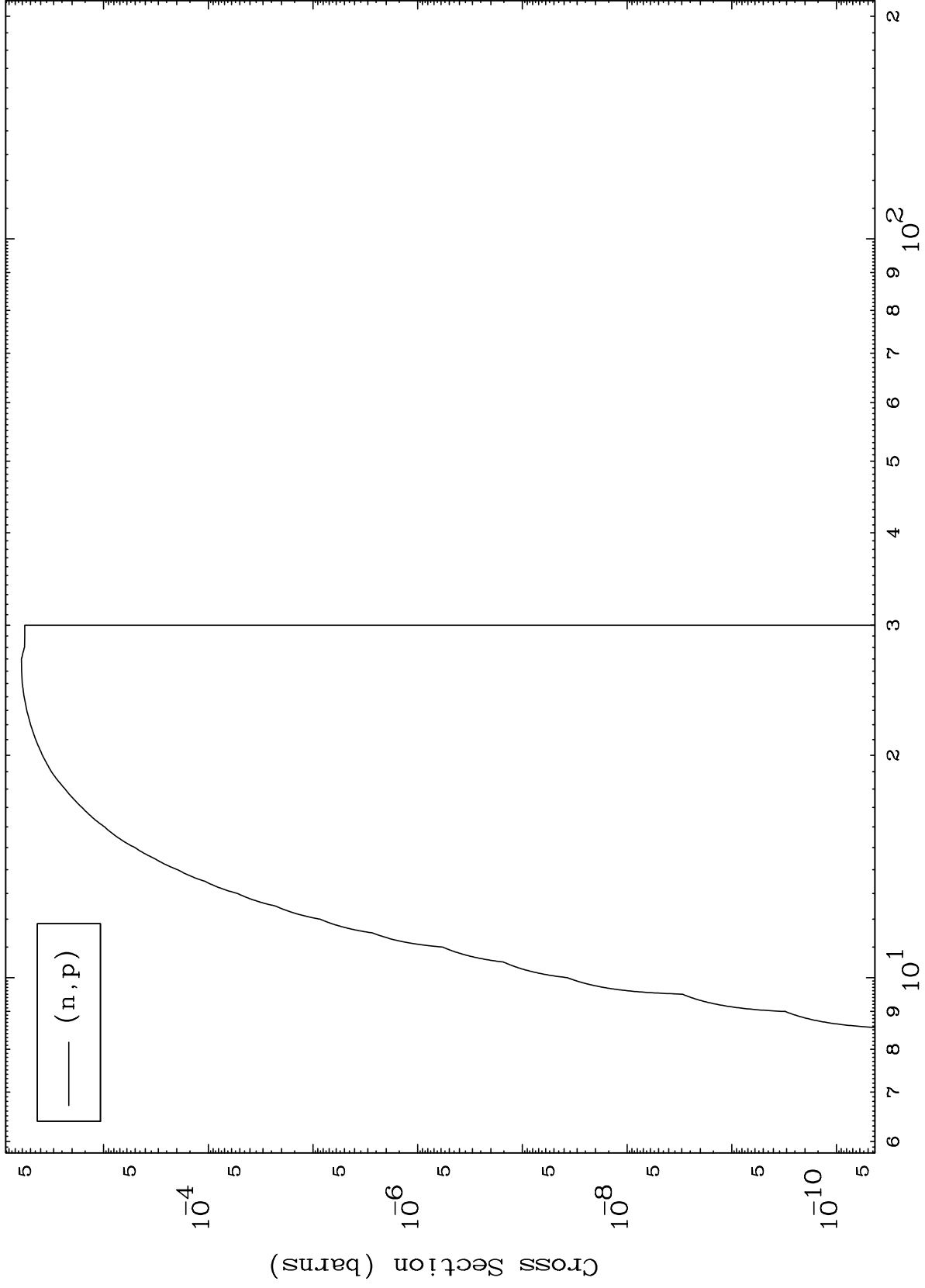
61-Pm-159



MAT 6185

(n,p) Levels  
293 Kelvin Cross Sections

61-Pm-159



12

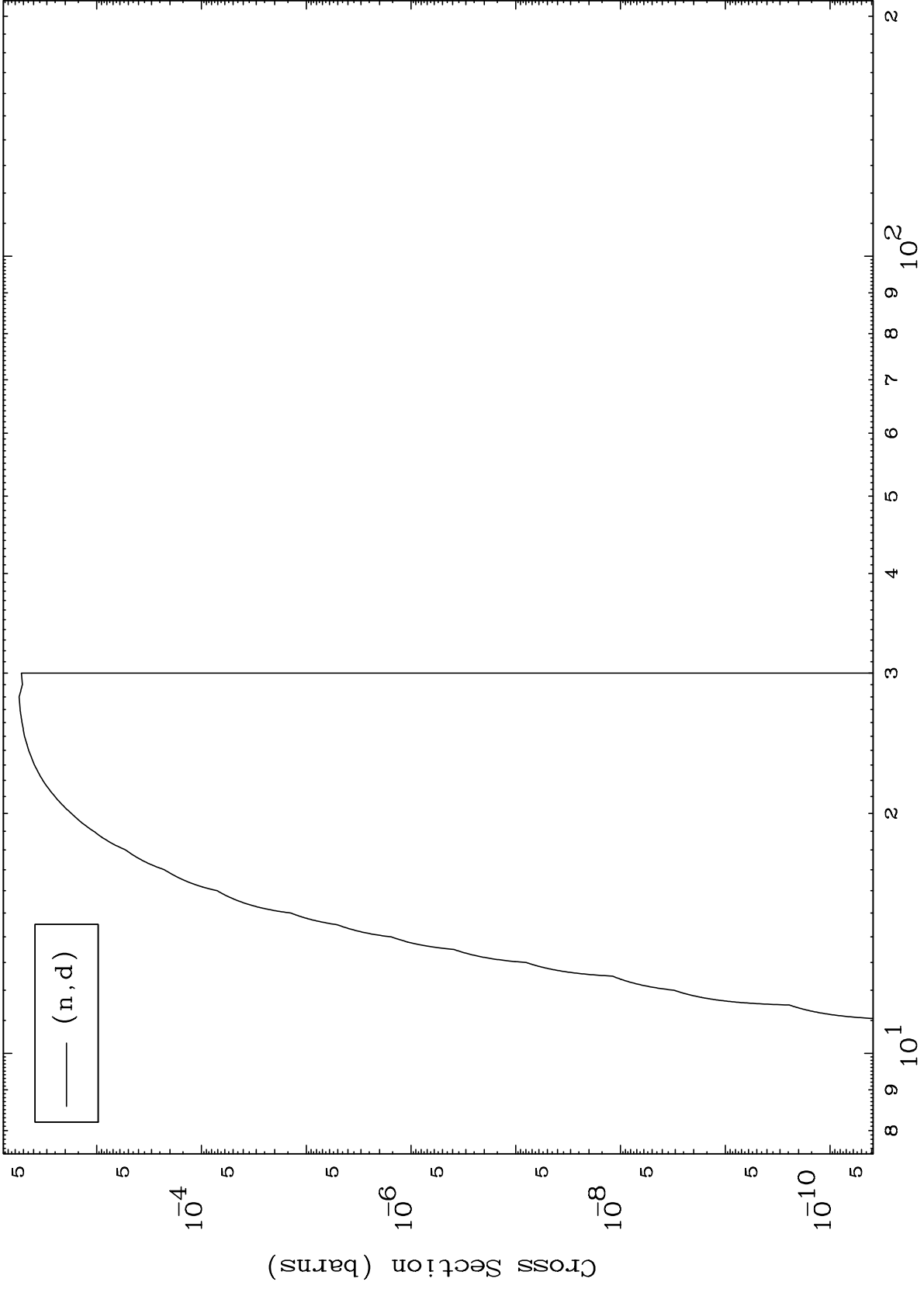
Incident Energy (MeV)

61-Pm-159

MAT 6185

(n,d) Levels  
293 Kelvin Cross Sections

61-Pm-159



13

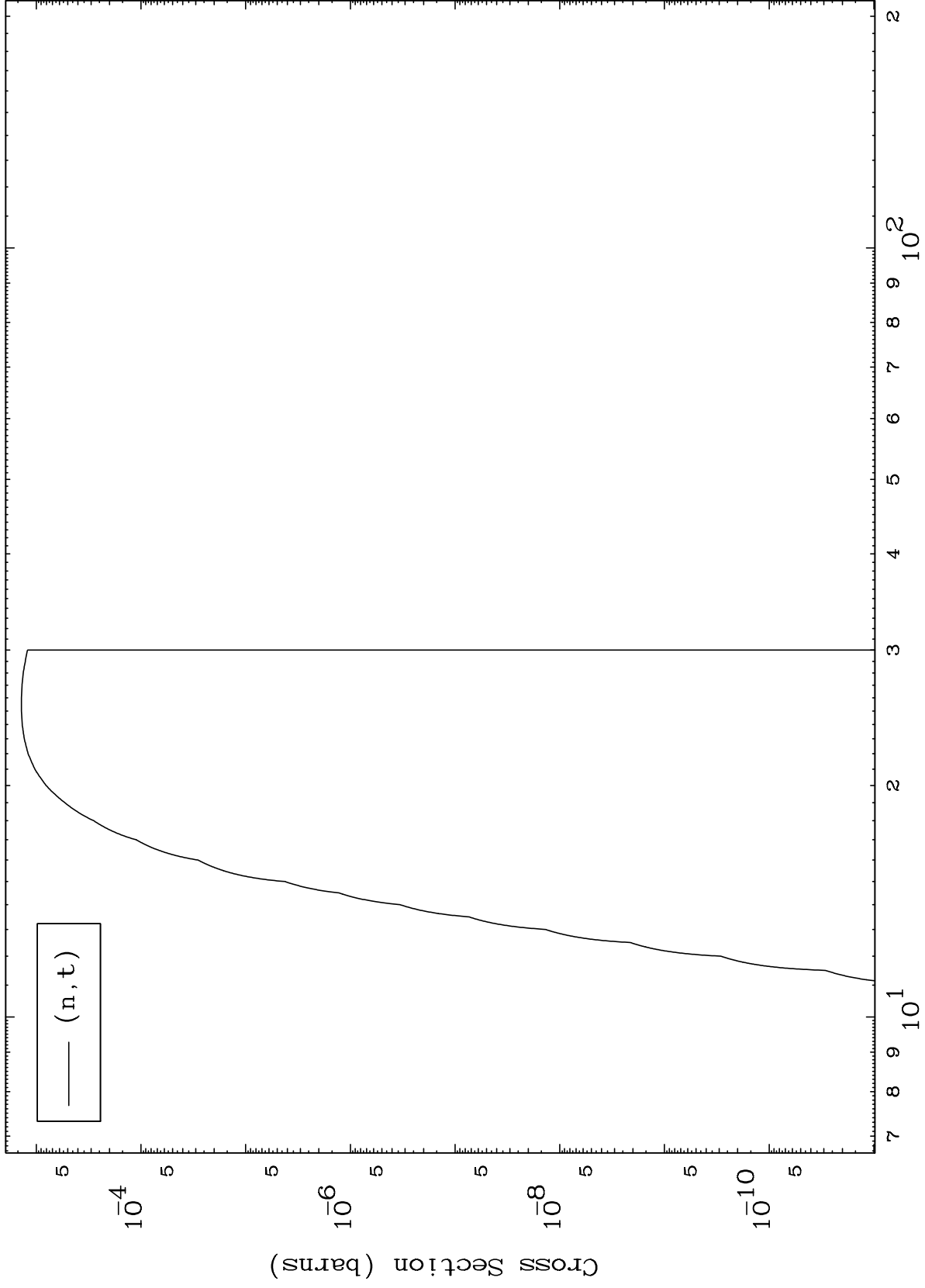
Incident Energy (MeV)

61-Pm-159

MAT 6185

(n,t) Levels  
293 Kelvin Cross Sections

61-Pm-159



14

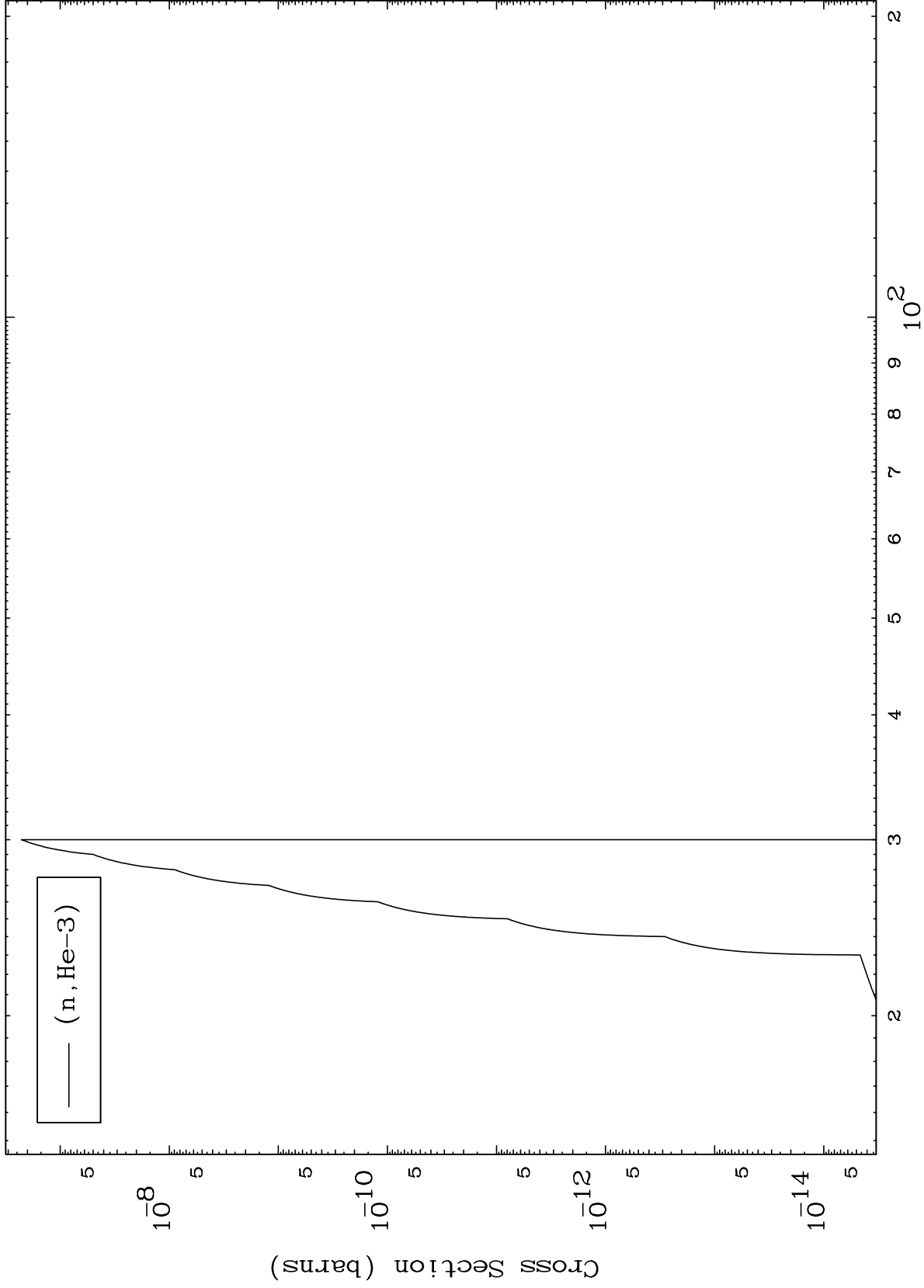
Incident Energy (MeV)

61-Pm-159

MAT 6185

(n,He3) Levels  
293 Kelvin Cross Sections

61-Pm-159



15

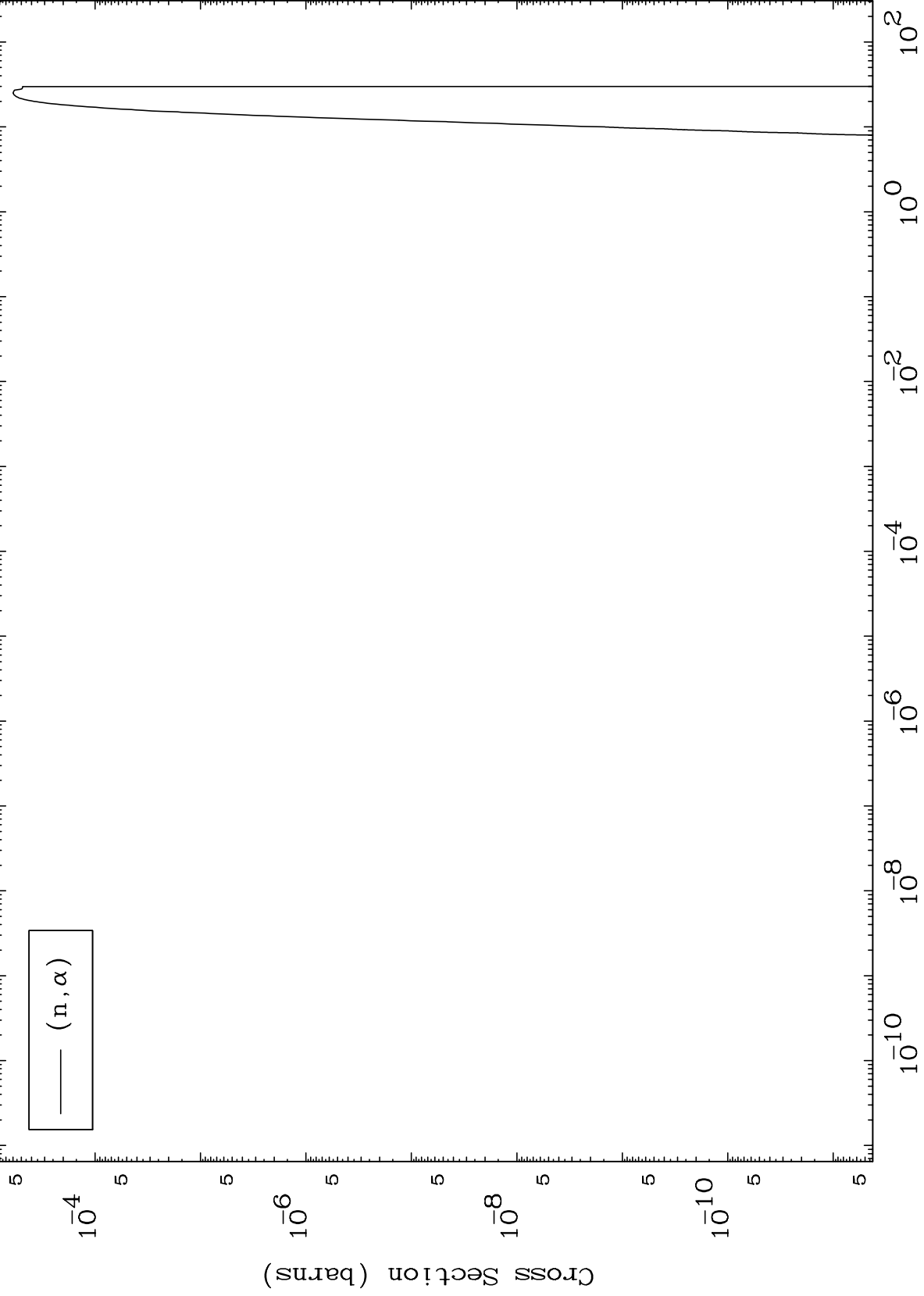
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159

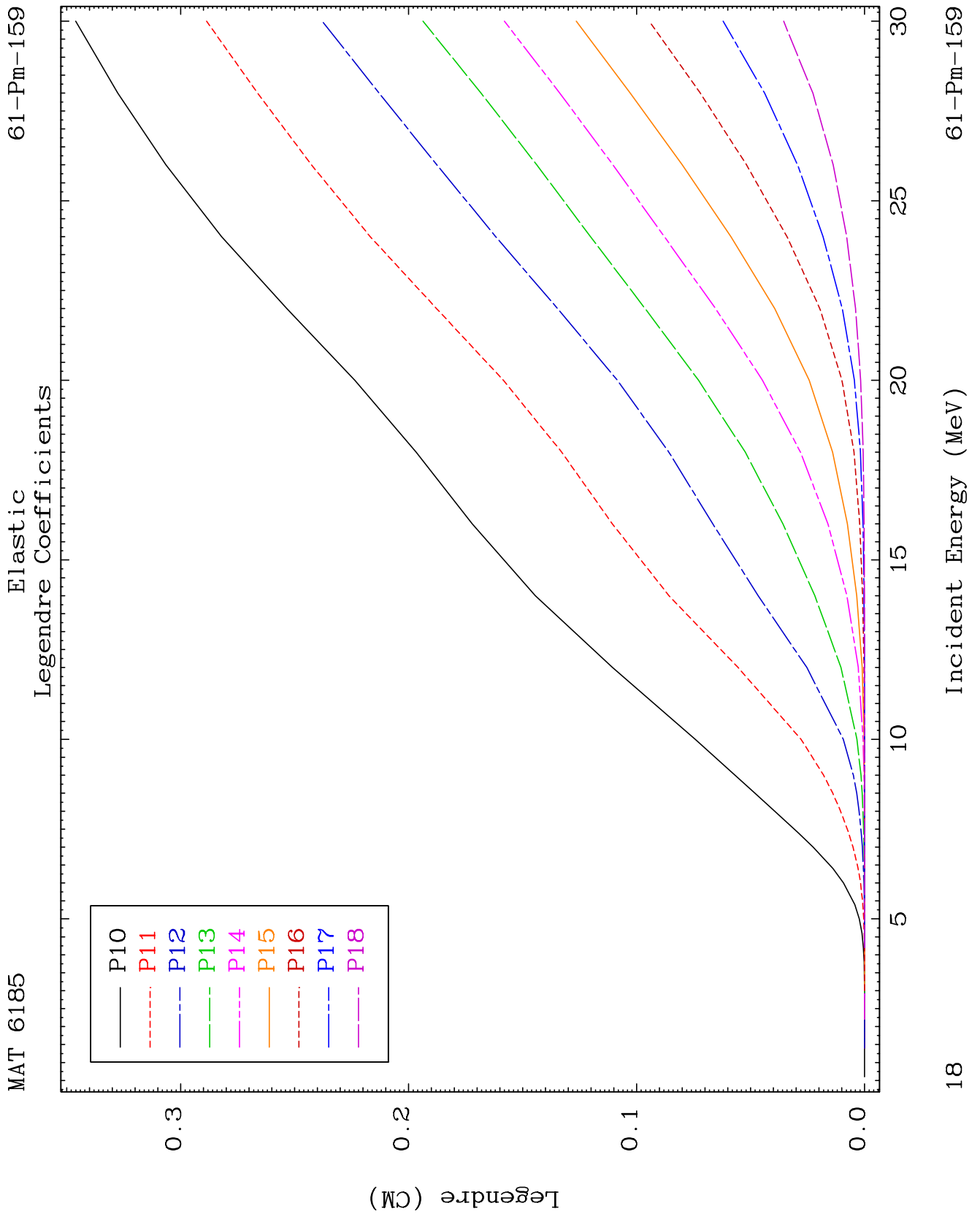


16

Incident Energy (MeV)

61-Pm-159

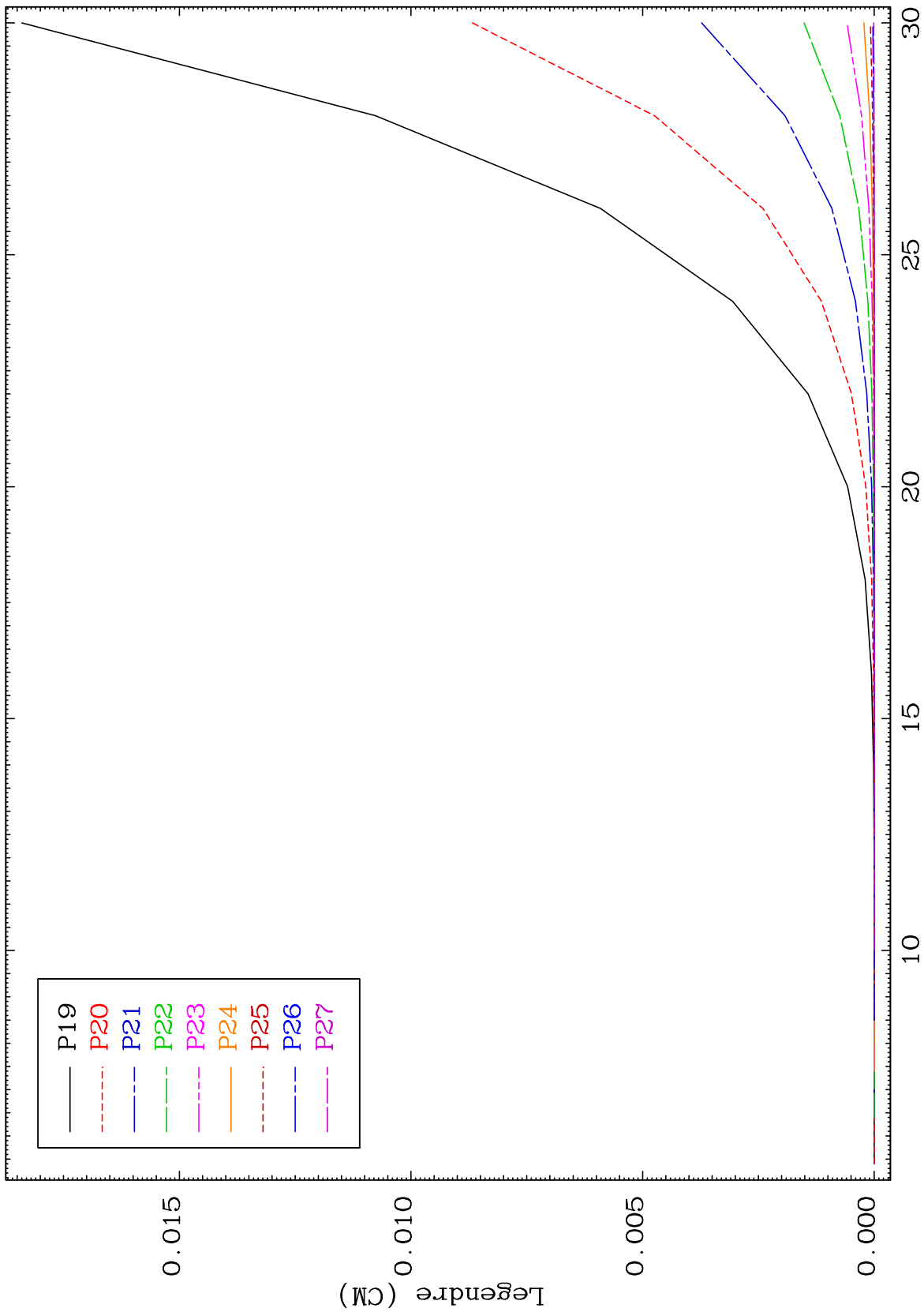




MAT 6185

### Elastic Legendre Coefficients

61-Pm-159



19

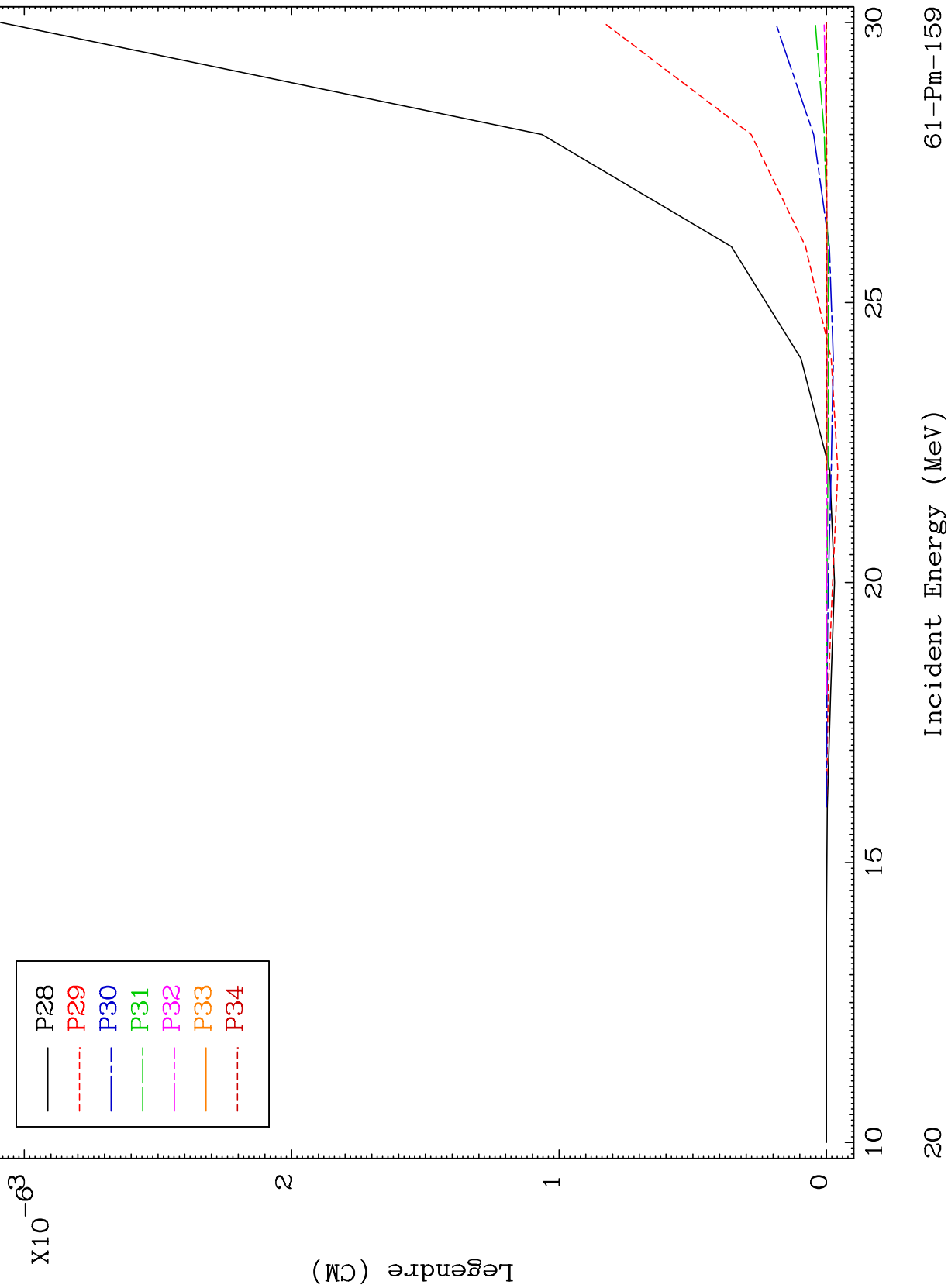
Incident Energy (MeV)

61-Pm-159

MAT 6185

Elastic Legendre Coefficients

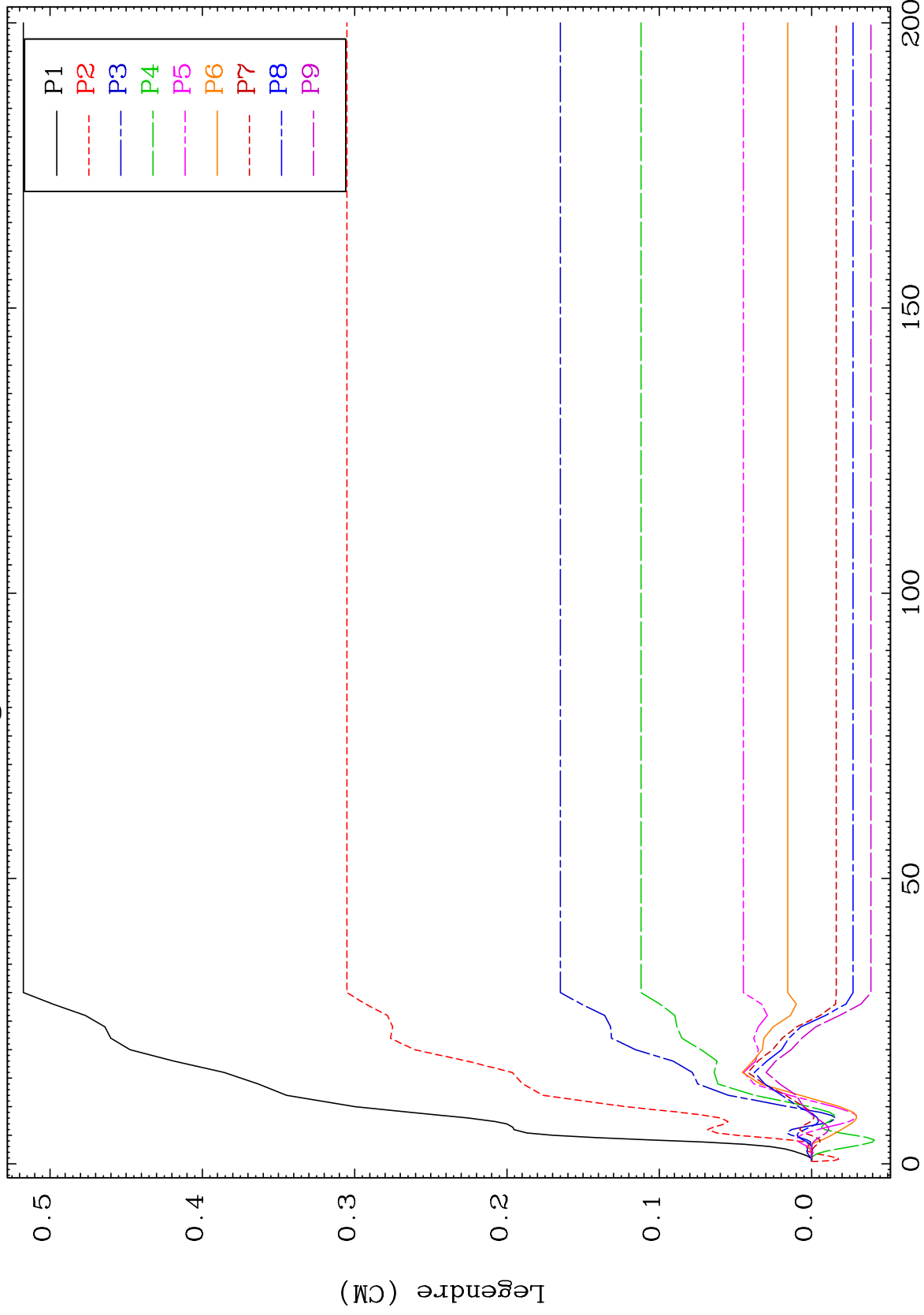
61-Pm-159



MAT 6185

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

61-Pm-159



21

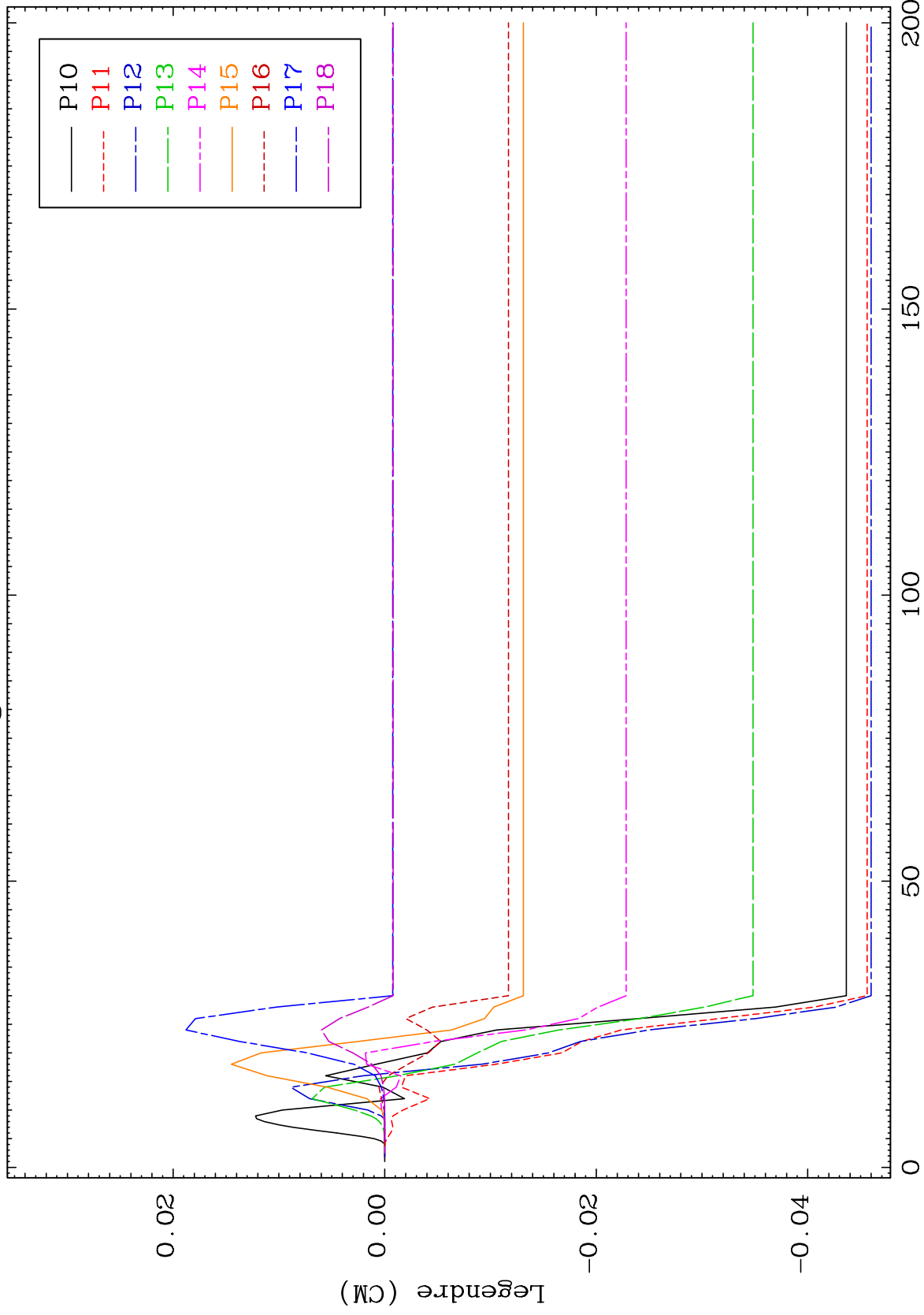
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



22

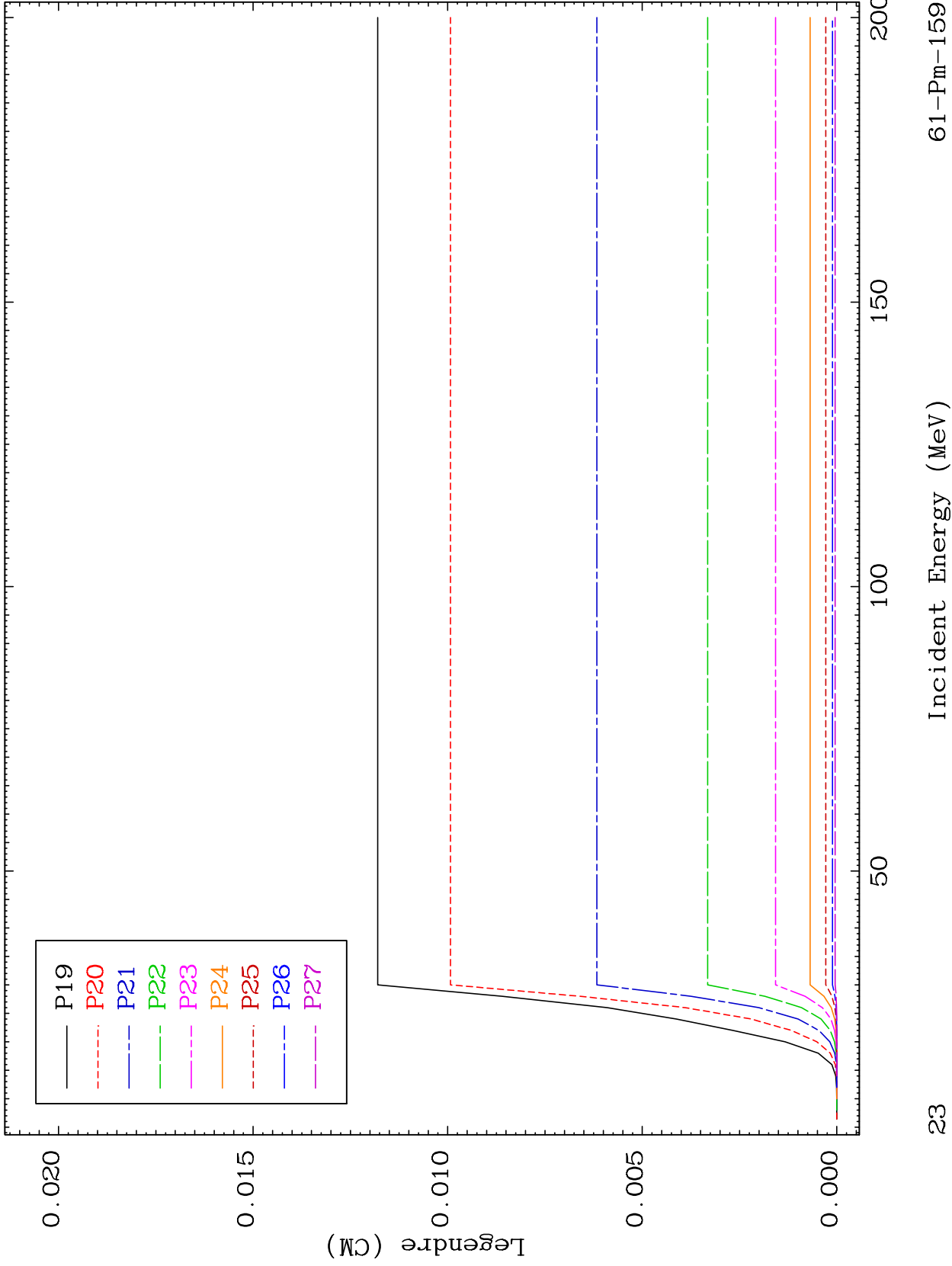
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

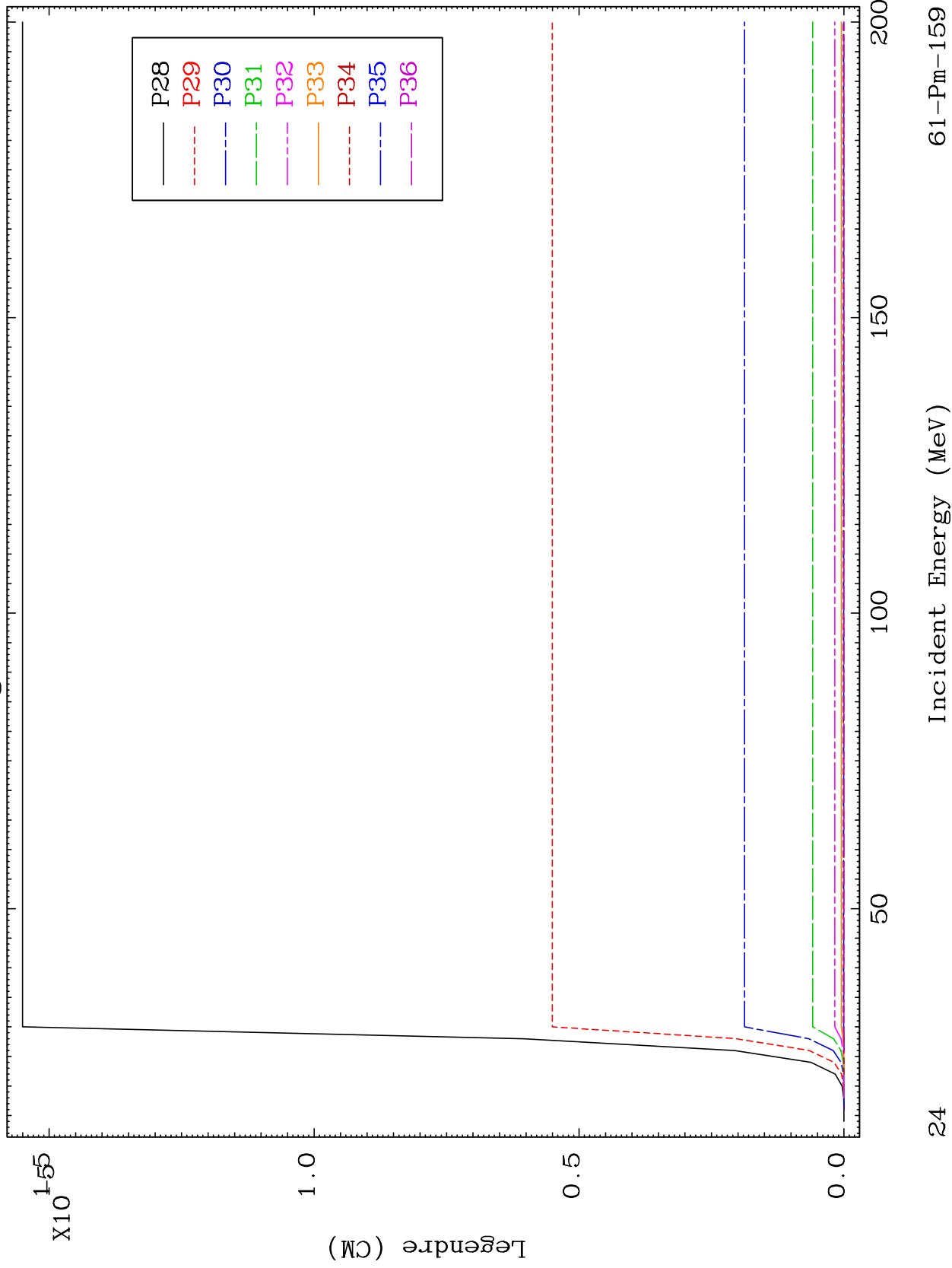
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MAT 6185

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

61-Pm-159



24

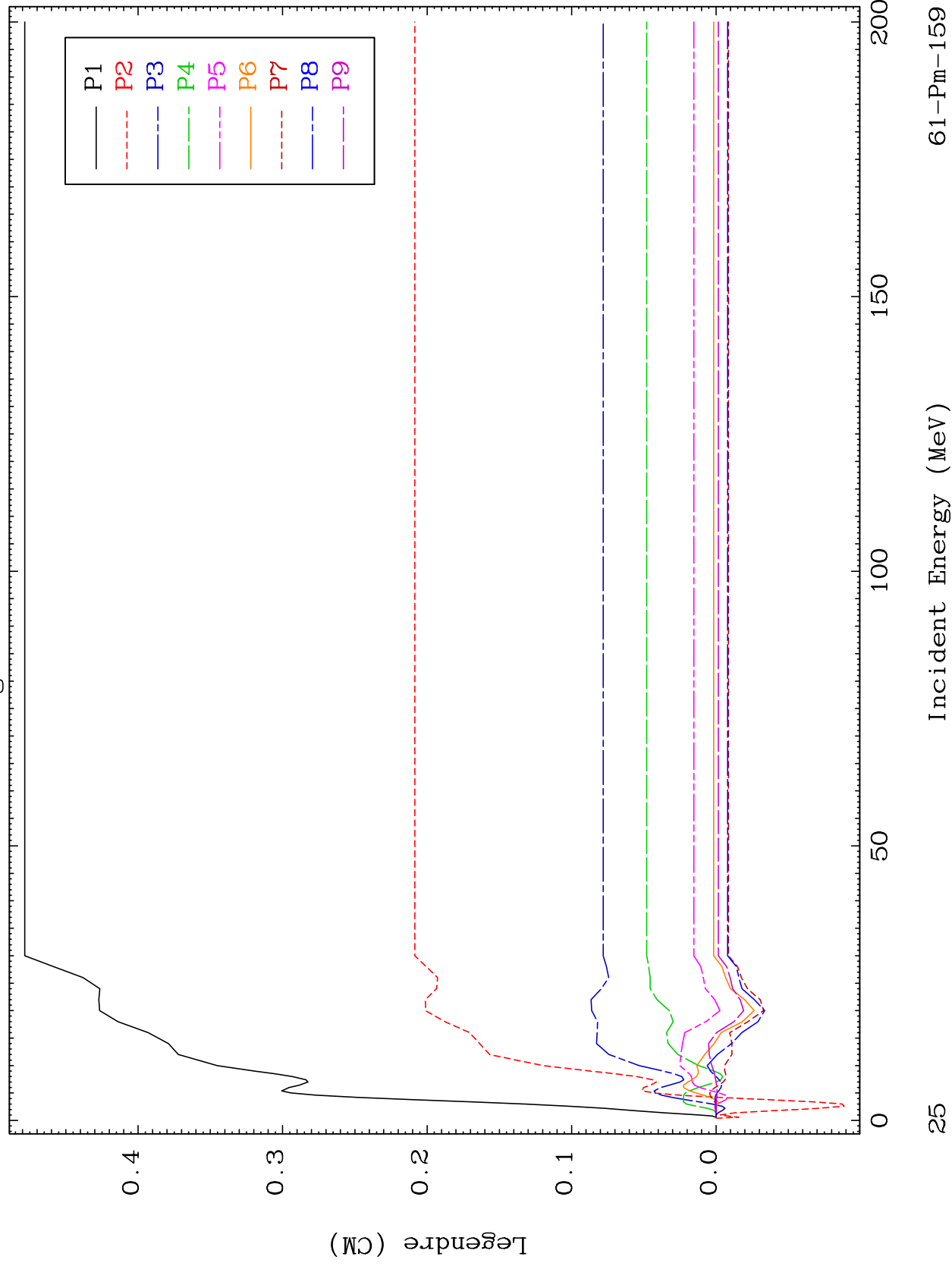
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



61-Pm-159

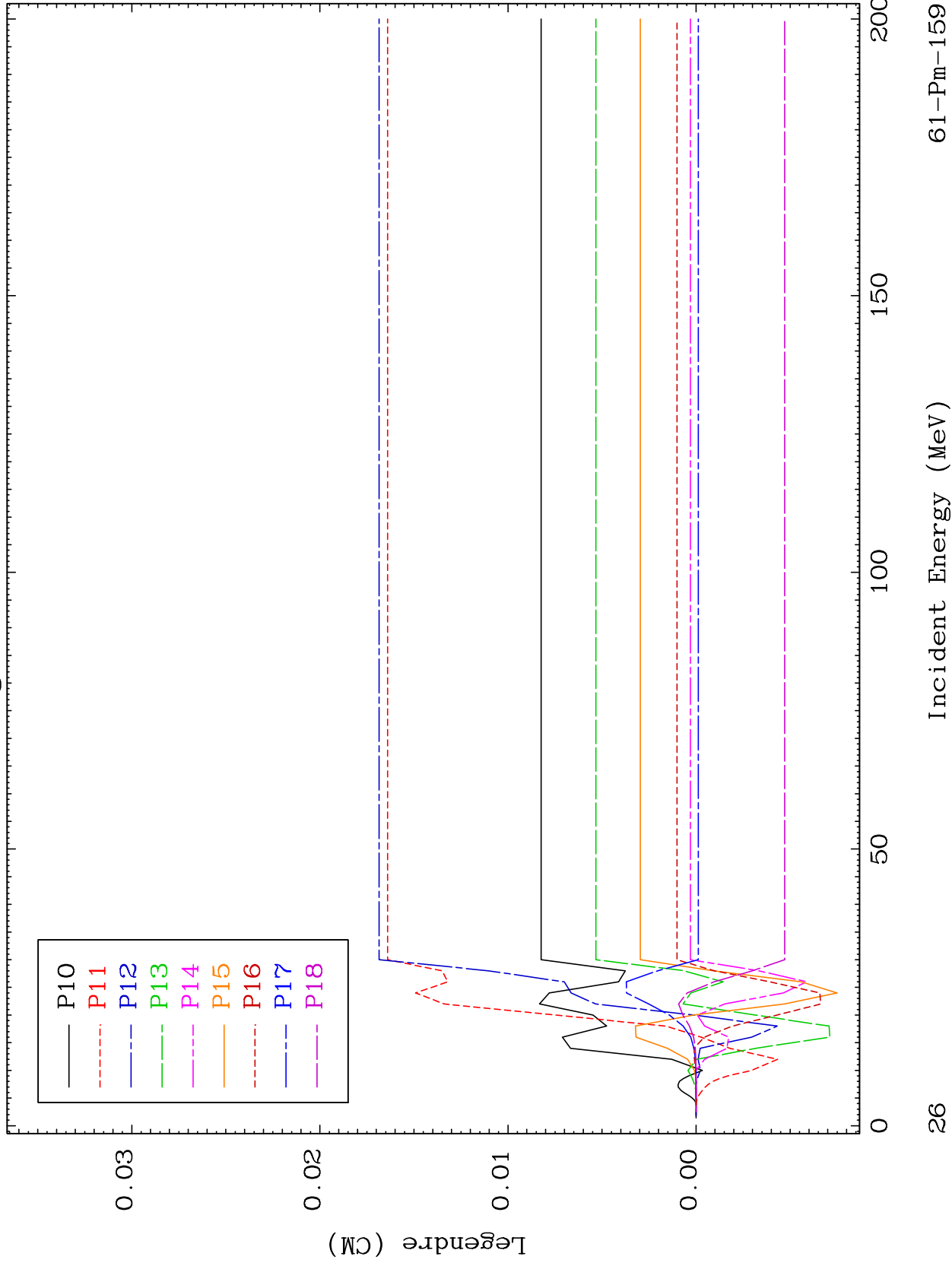
Incident Energy (MeV)

25

MAT 6185

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

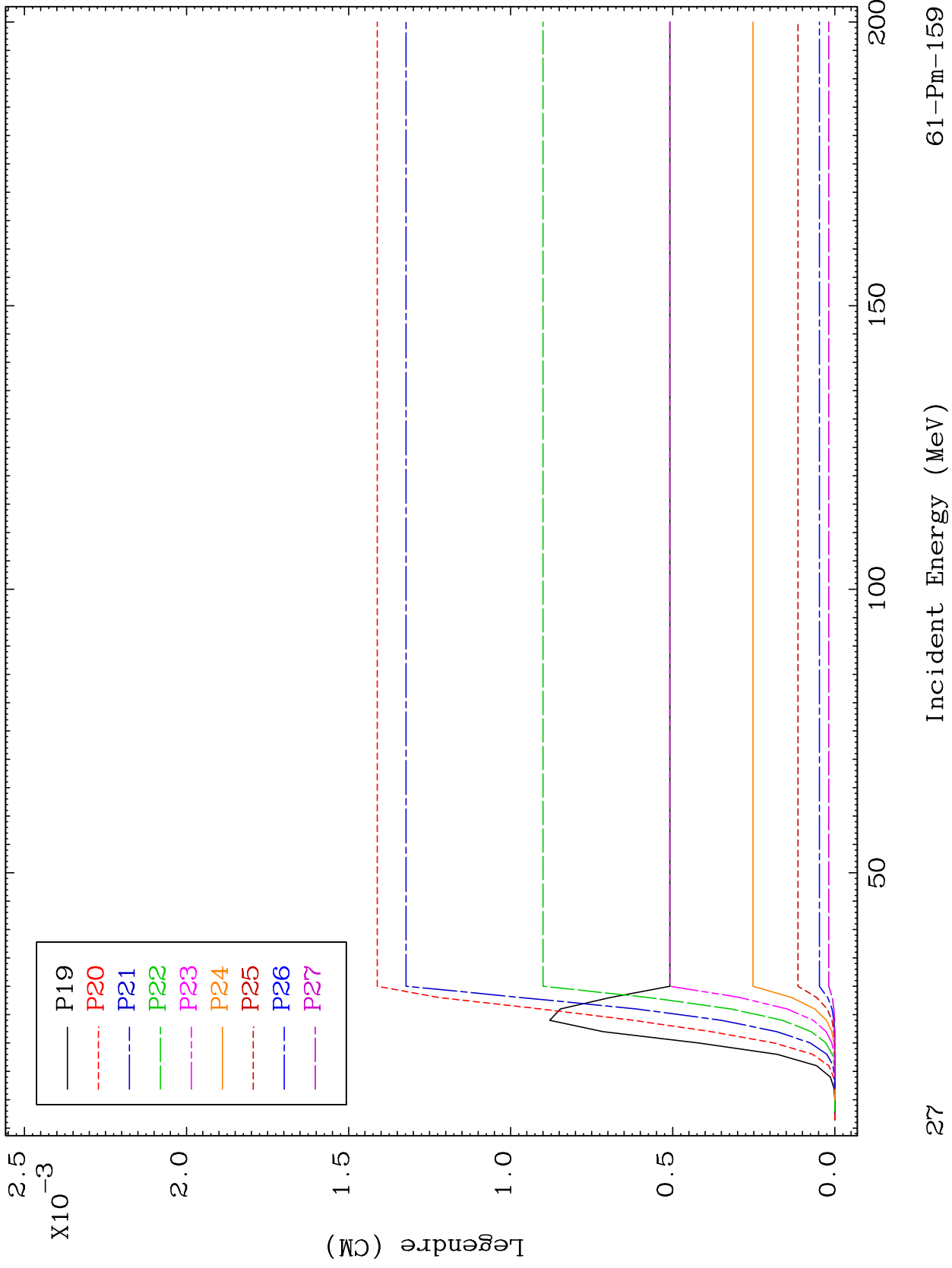
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MAT 6185

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

61-Pm-159



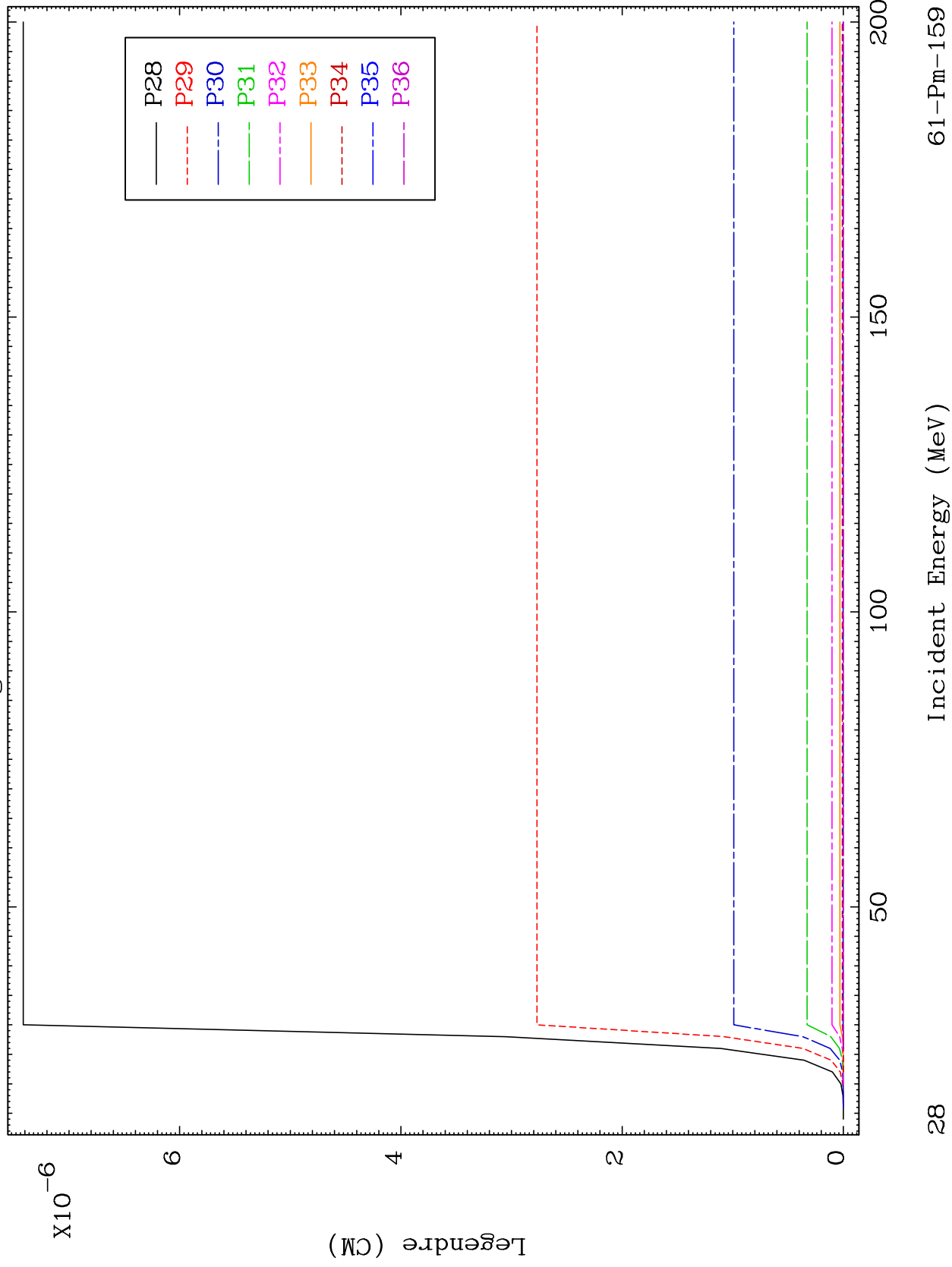
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61-Pm-159

MAT 6185

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

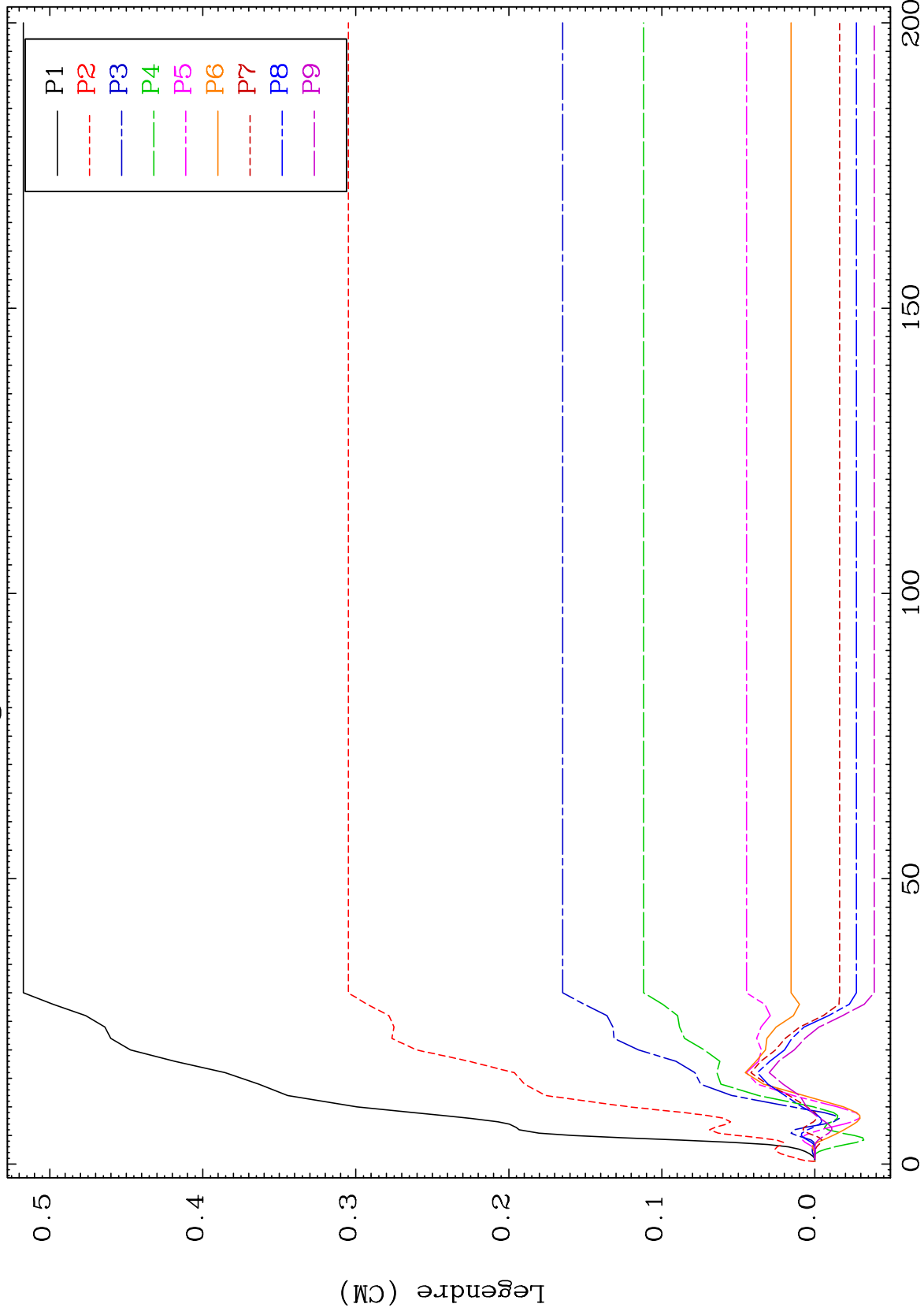
61-Pm-159



MAT 6185

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

61-Pm-159



29

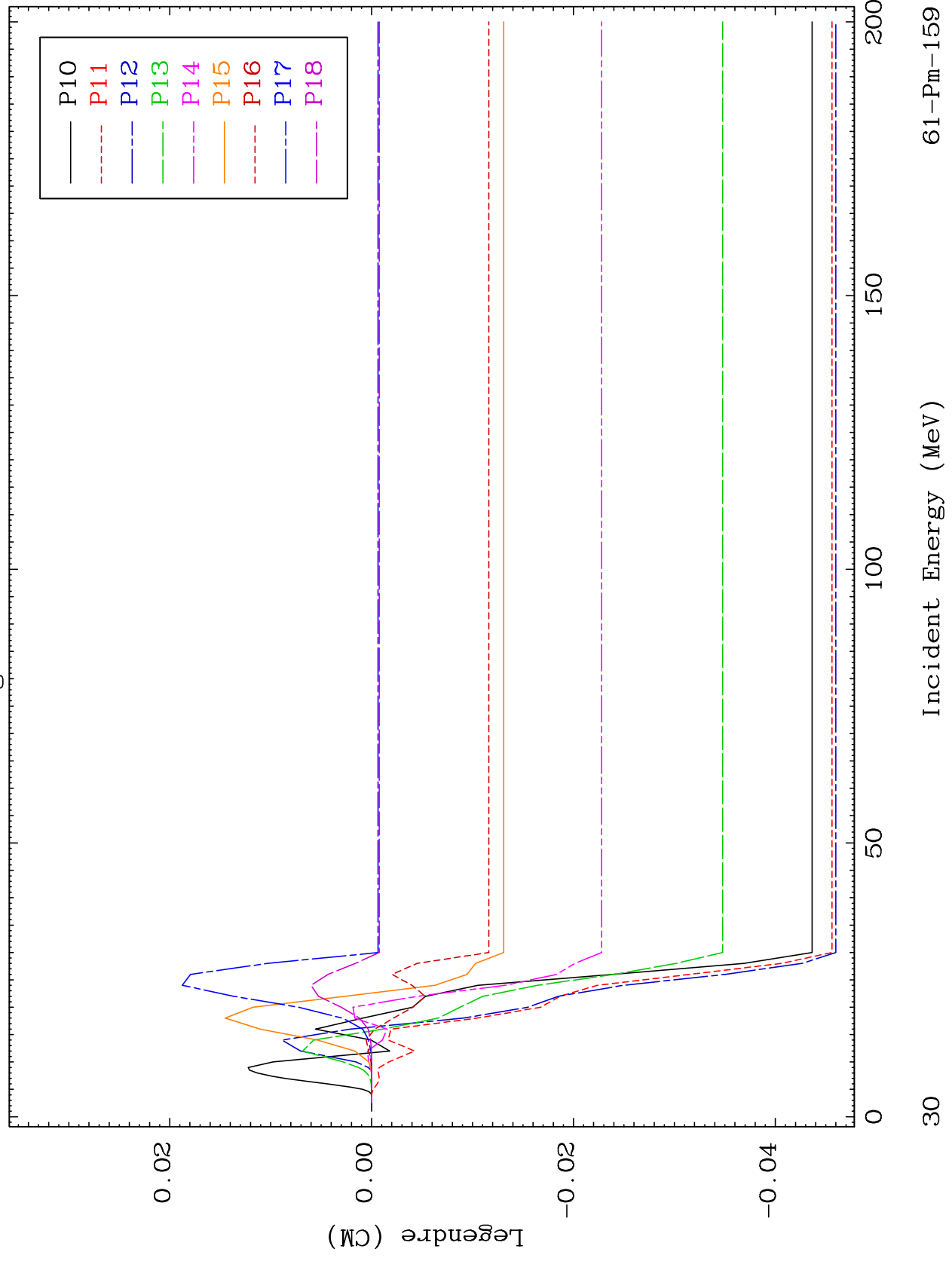
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



61-Pm-159

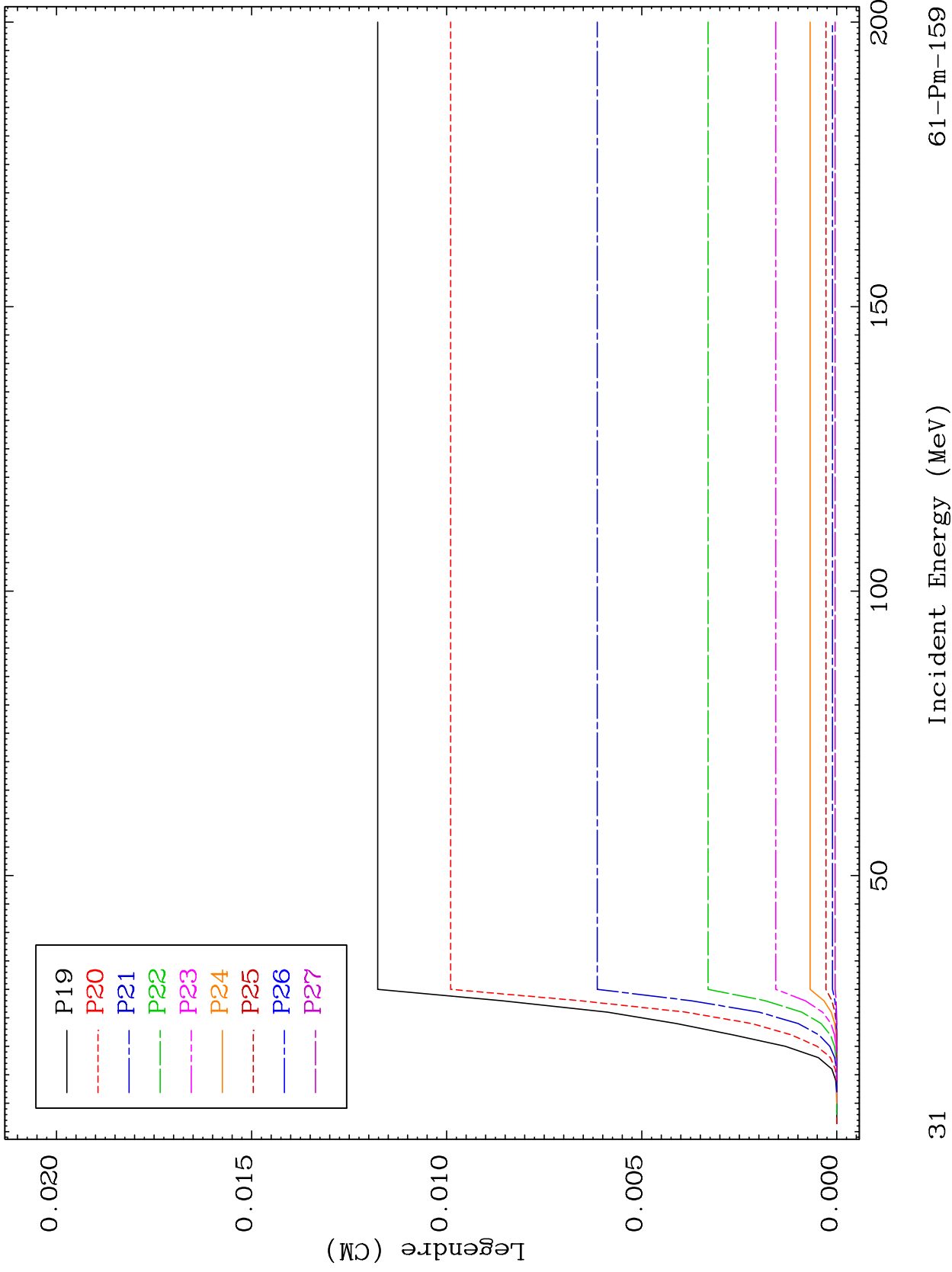
Incident Energy (MeV)

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MAT 6185

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

61-Pm-159



31

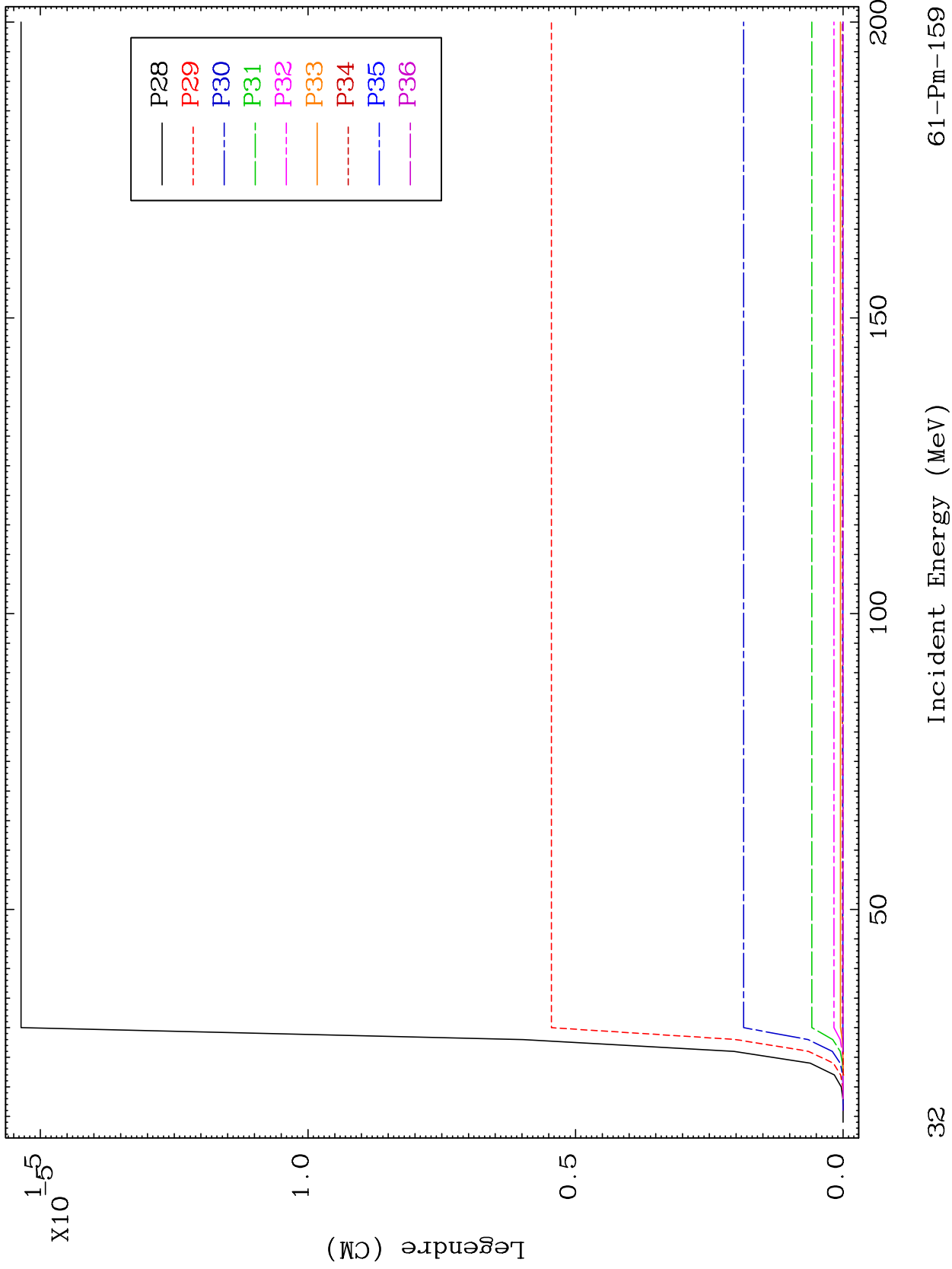
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

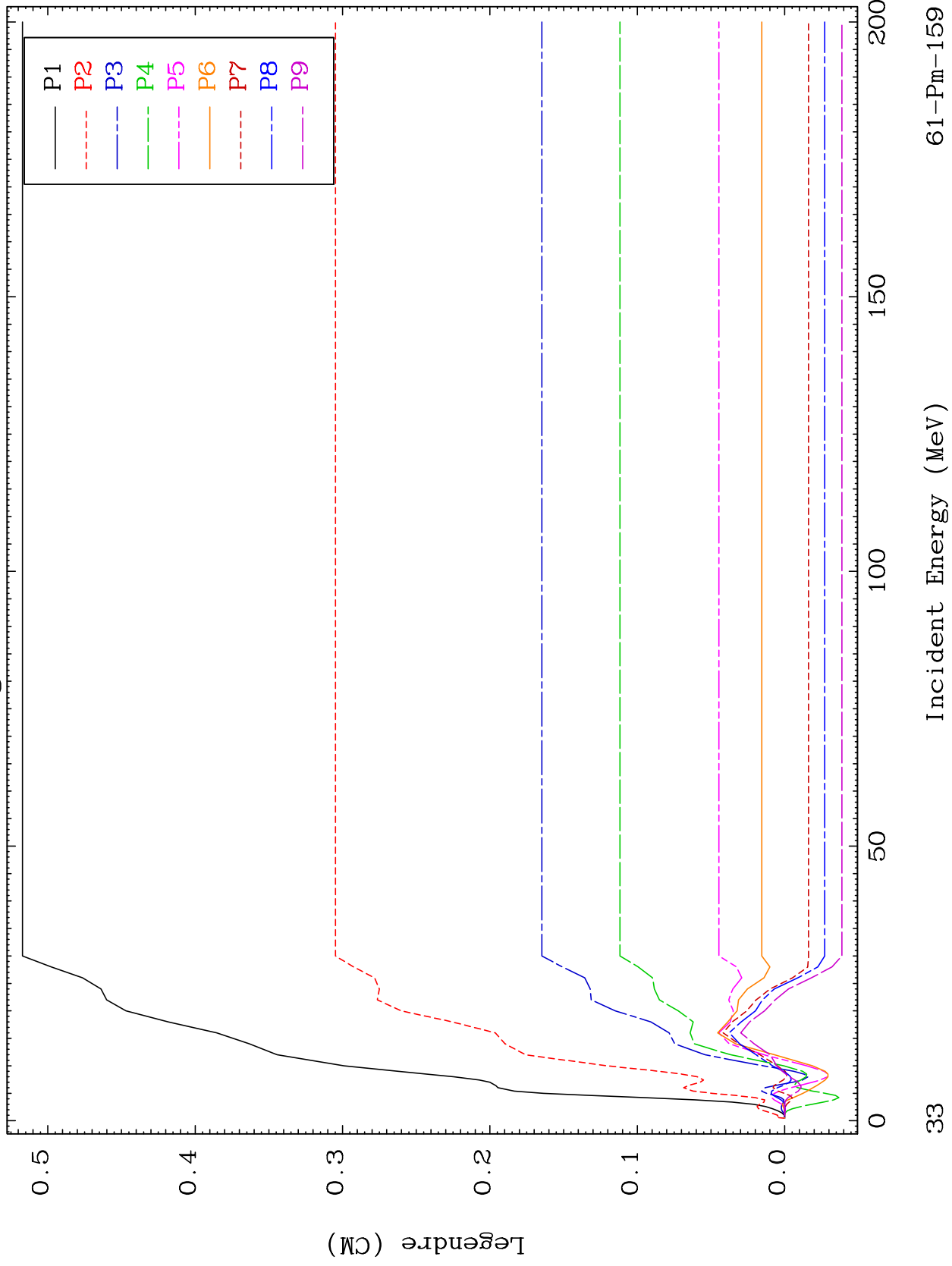
61-Pm-159



MAT 6185

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

61-Pm-159

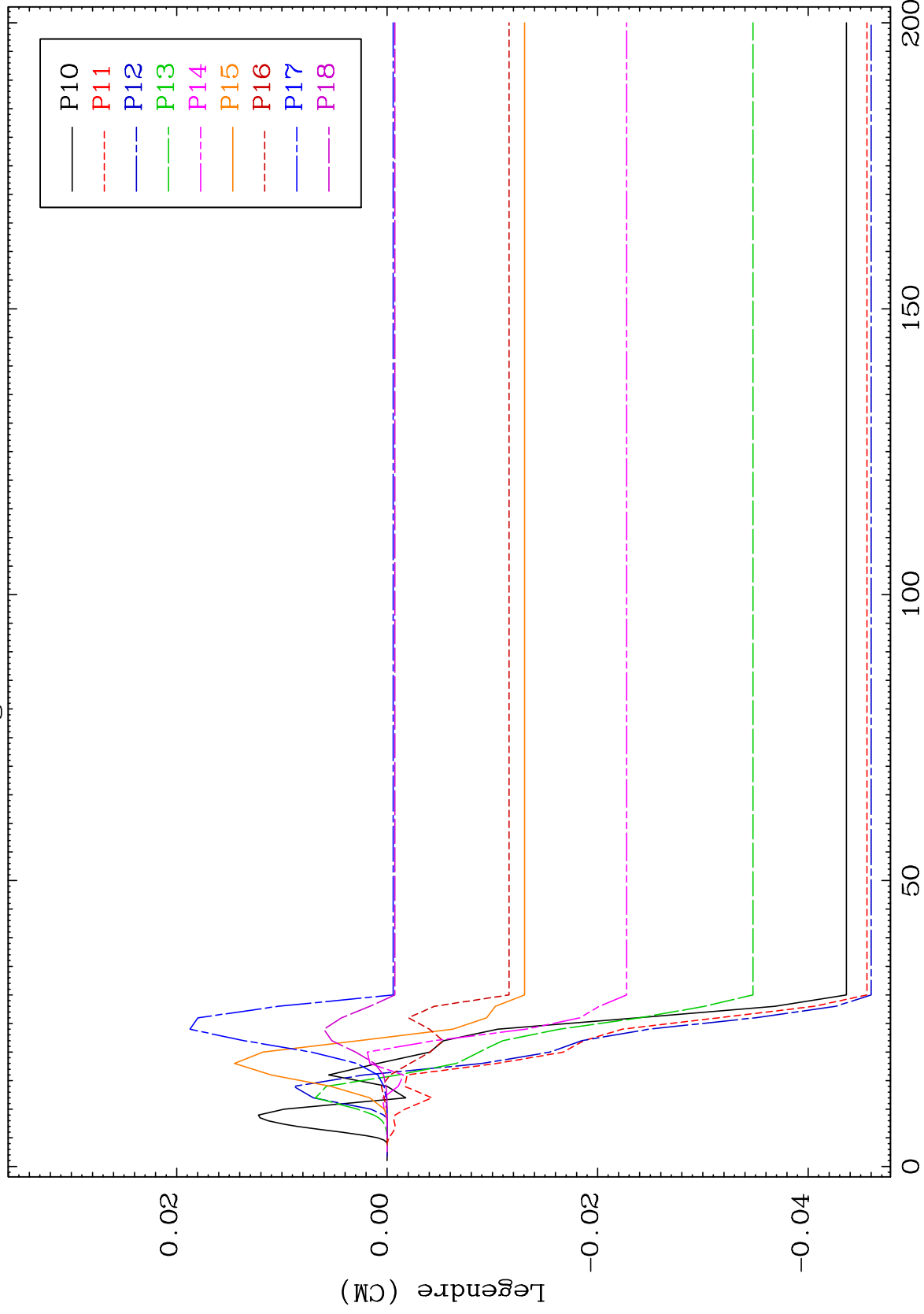


33

MAT 6185

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

61-Pm-159



34

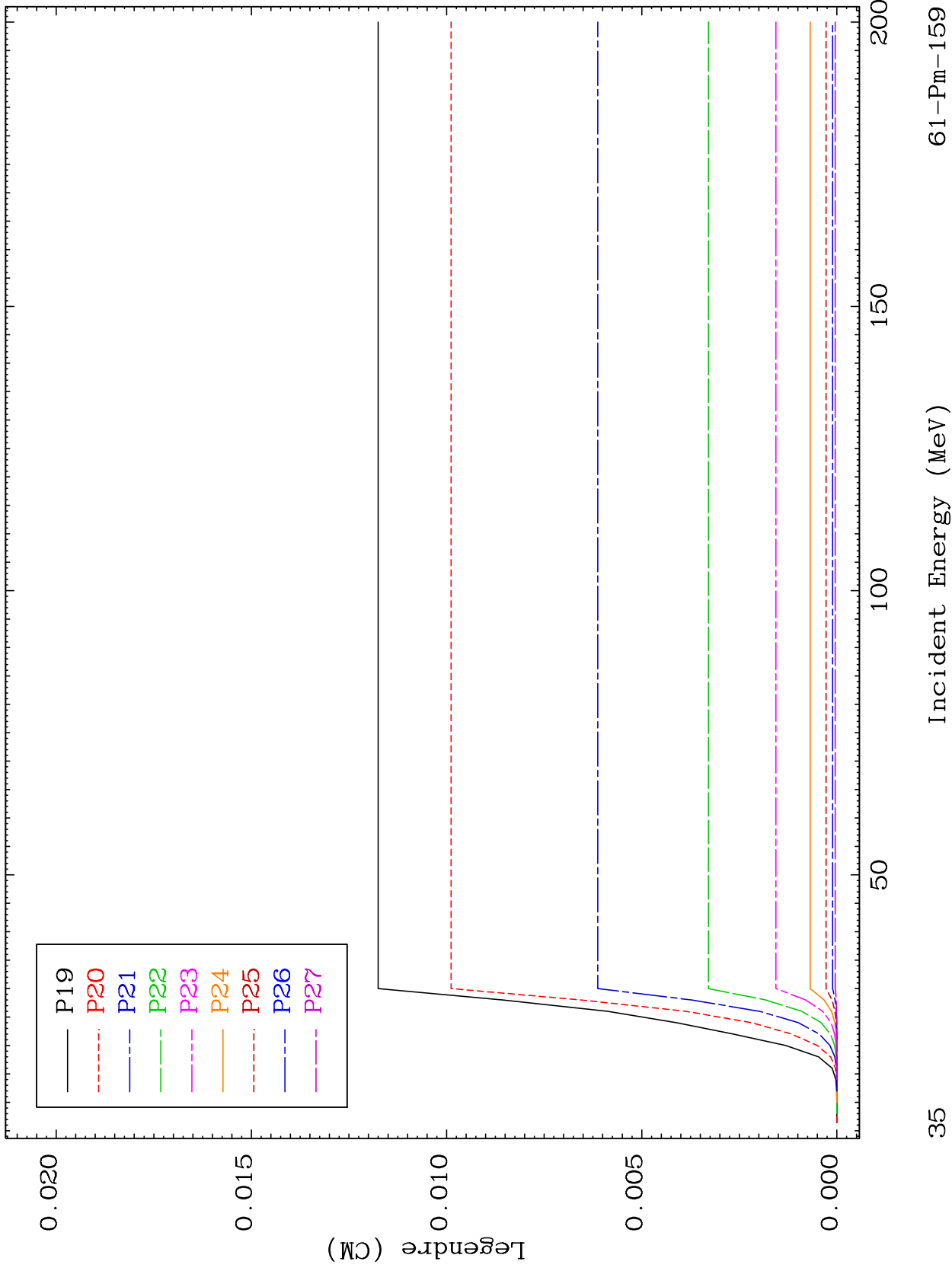
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



35

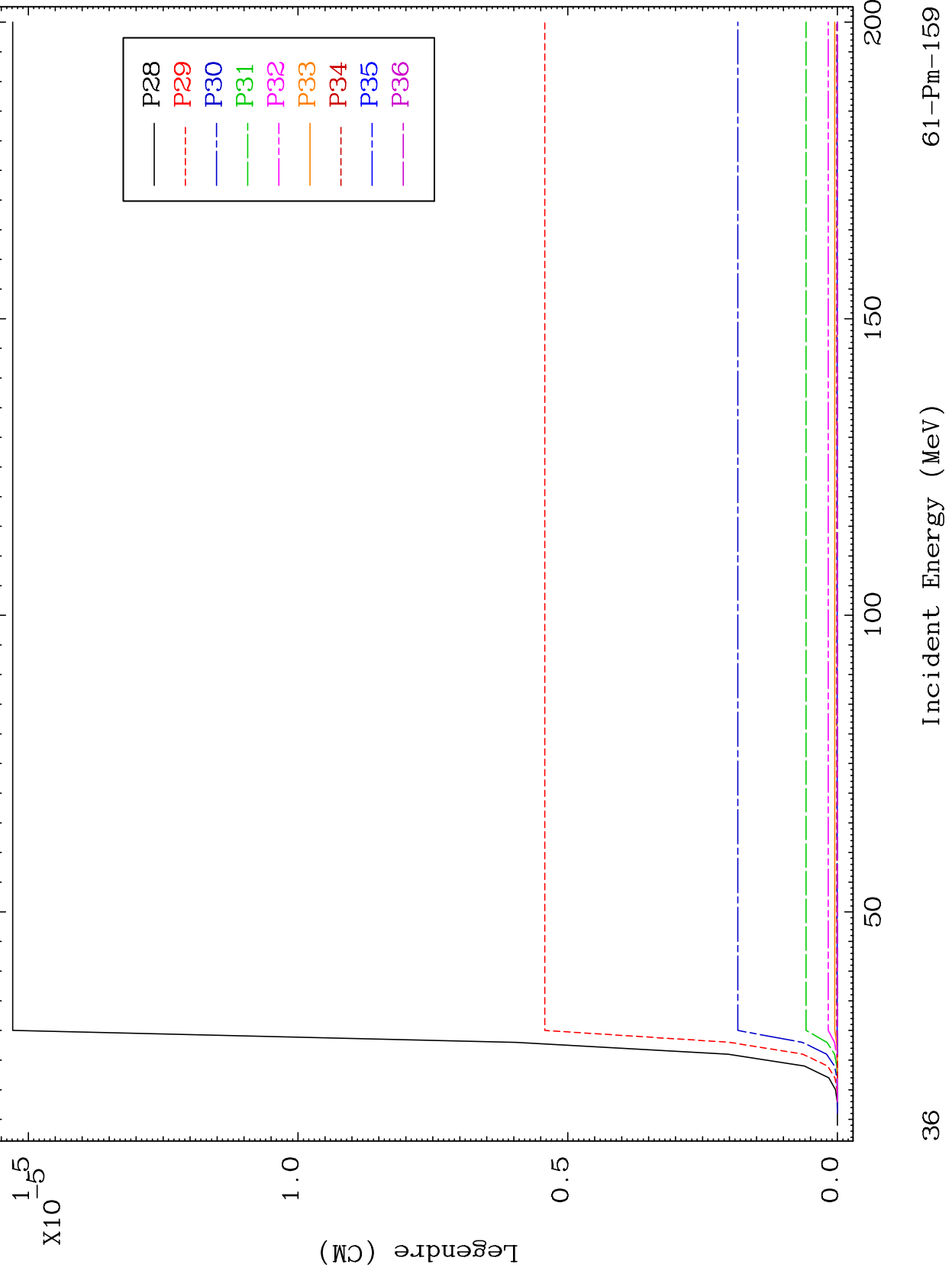
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

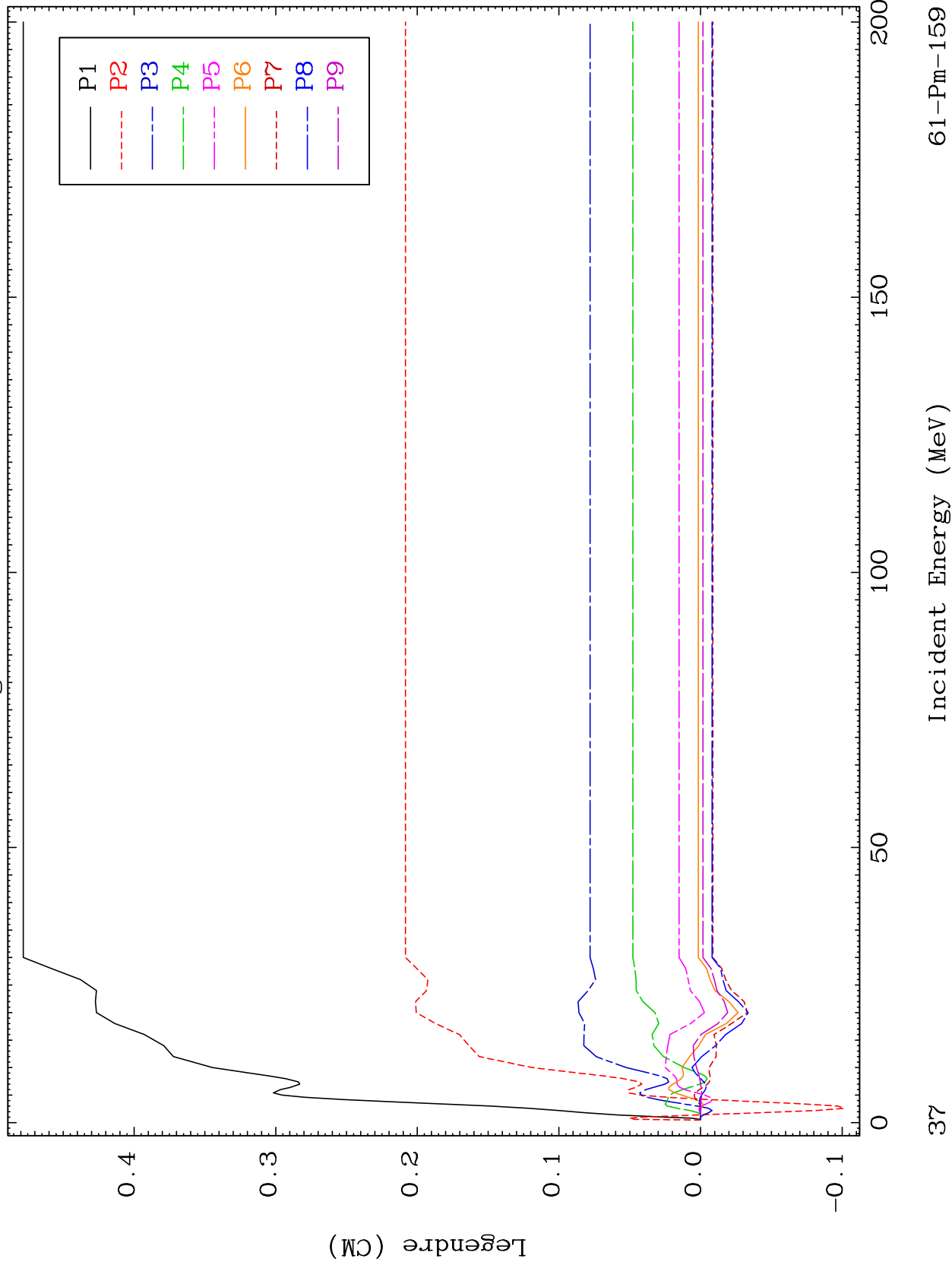
61-Pm-159



MAT 6185

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

61-Pm-159



61-Pm-159

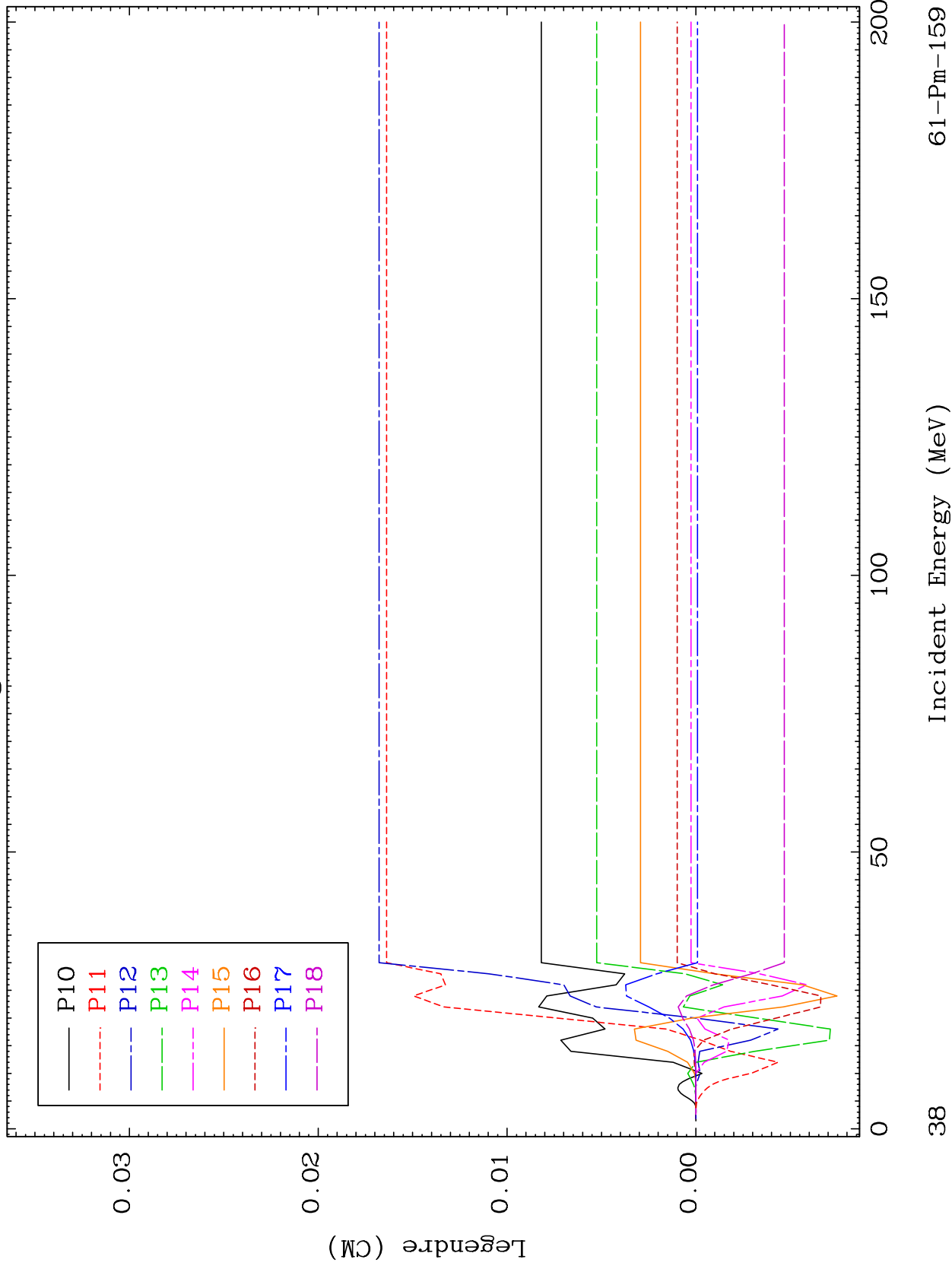
Incident Energy (MeV)

37

MAT 6185

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

61-Pm-159



61-Pm-159

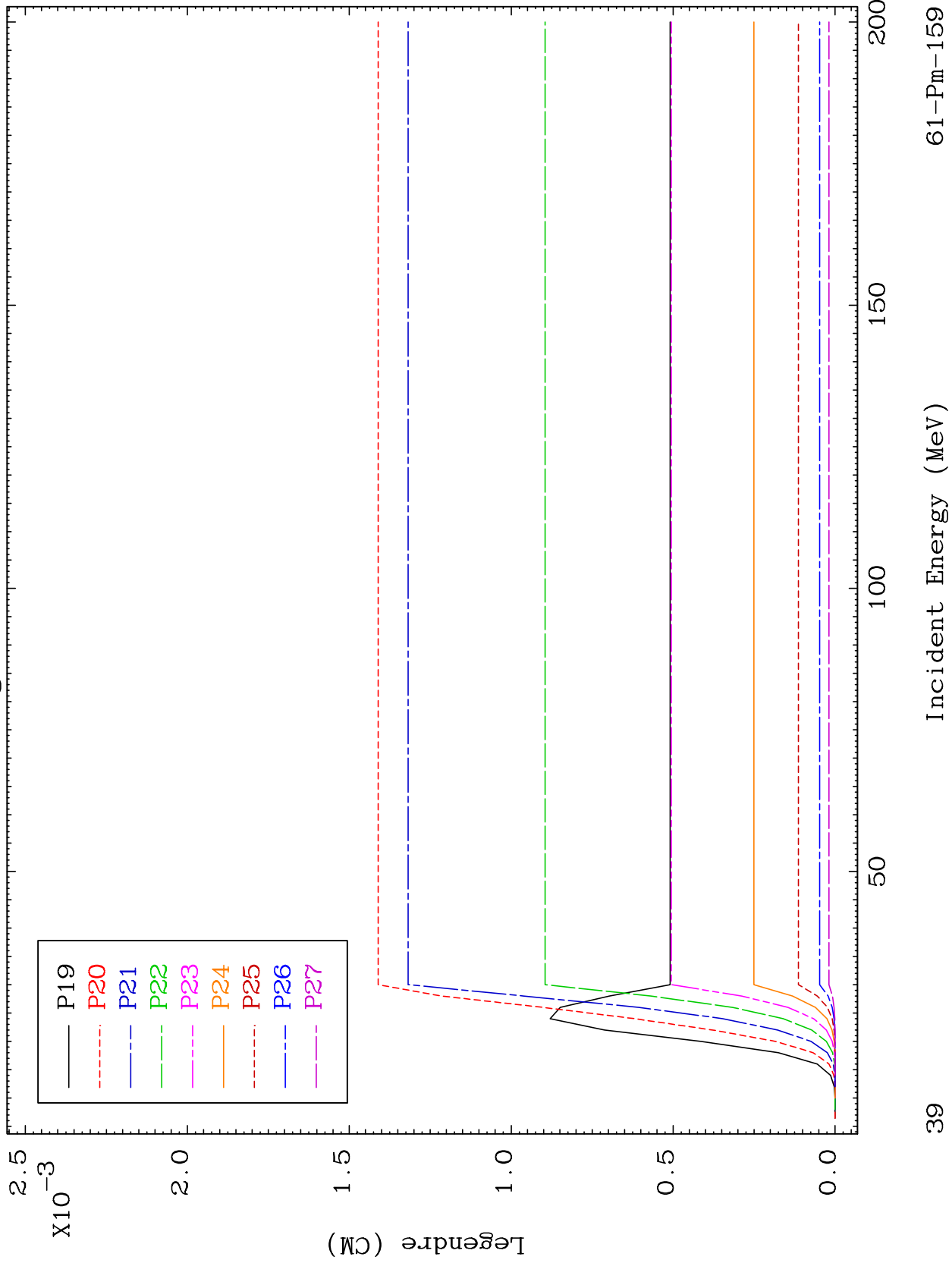
Incident Energy (MeV)

38

MAT 6185

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

61-Pm-159



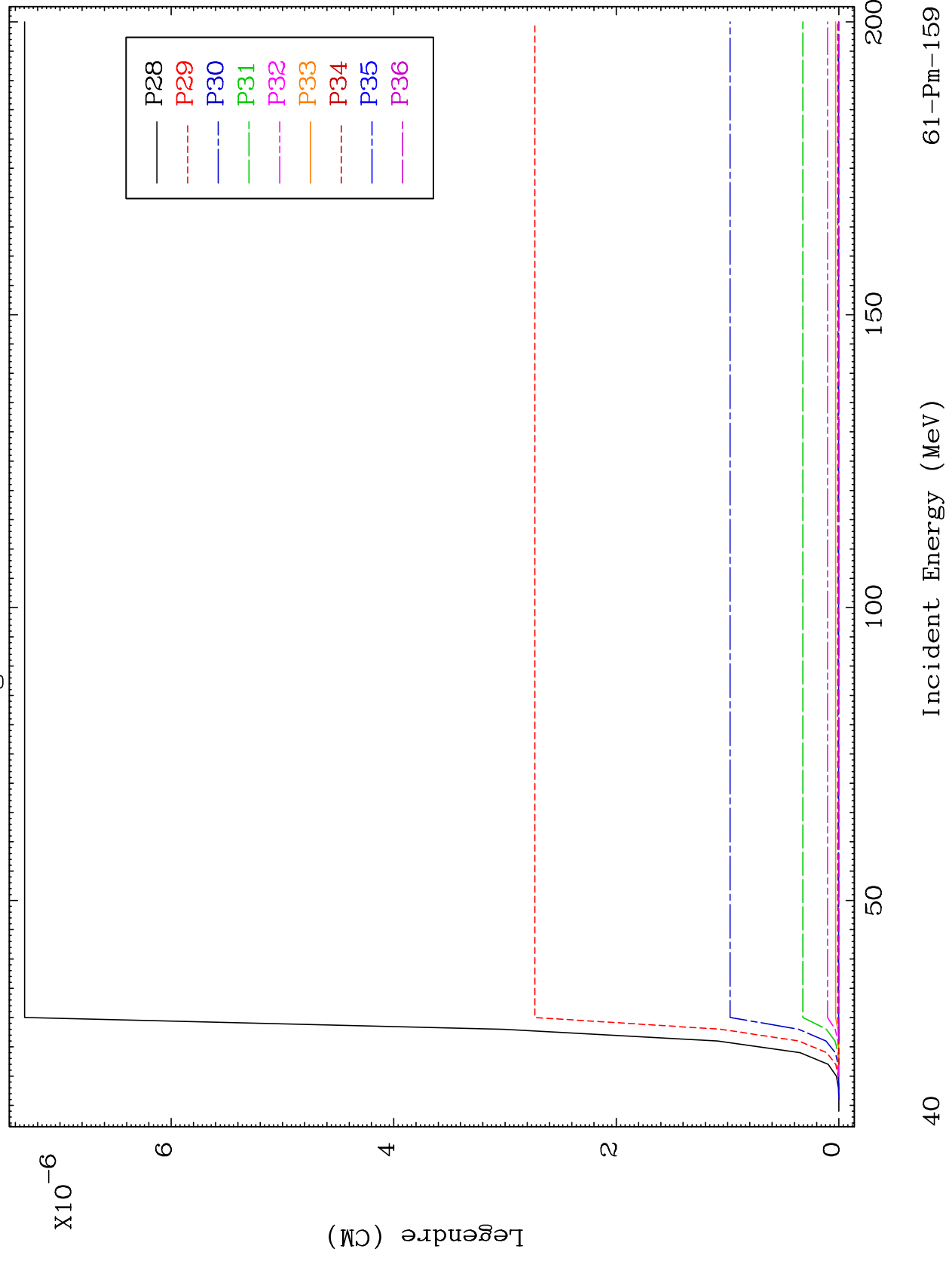
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61-Pm-159

MAT 6185

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

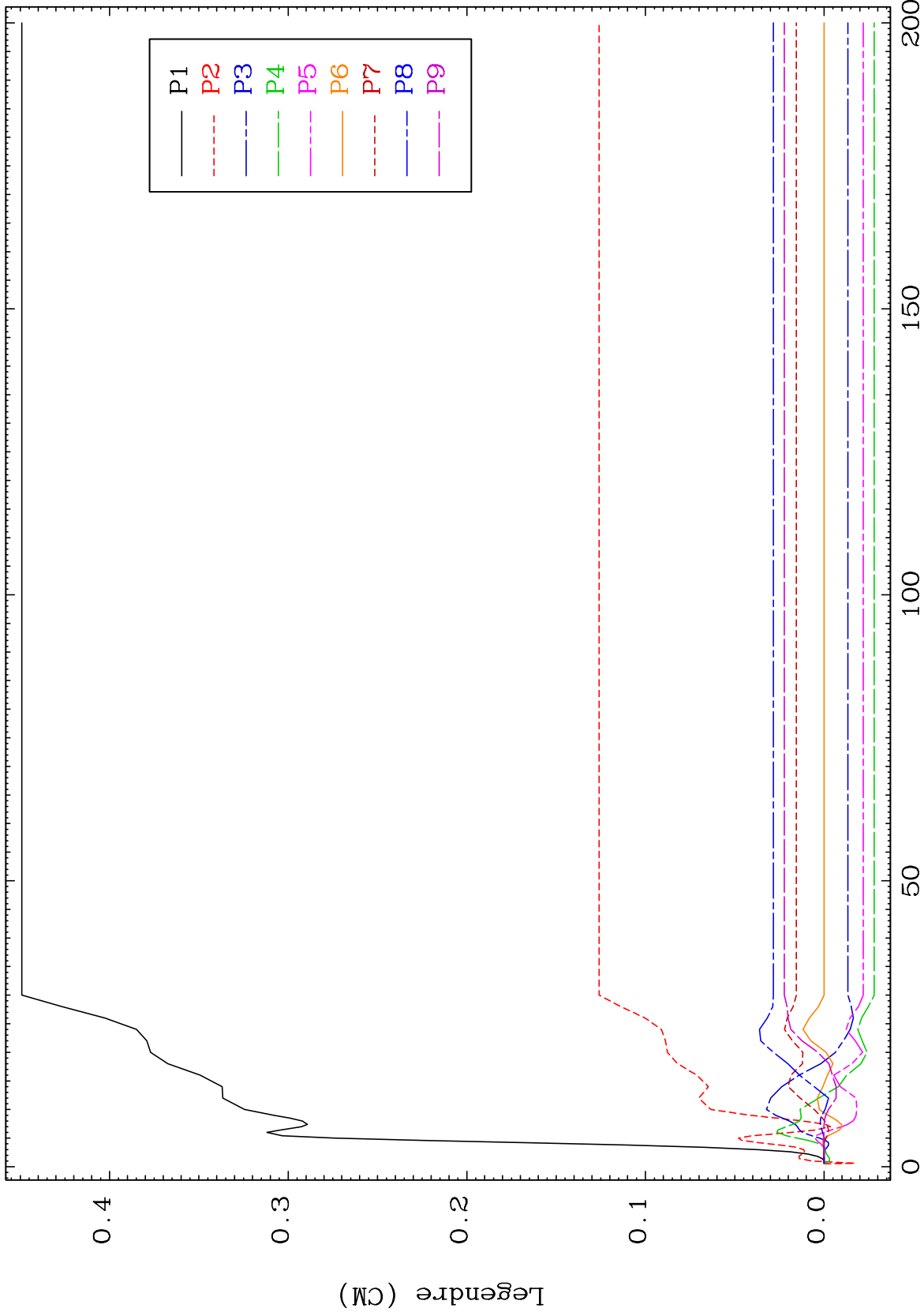
61-Pm-159



MAT 6185

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

61-Pm-159



41

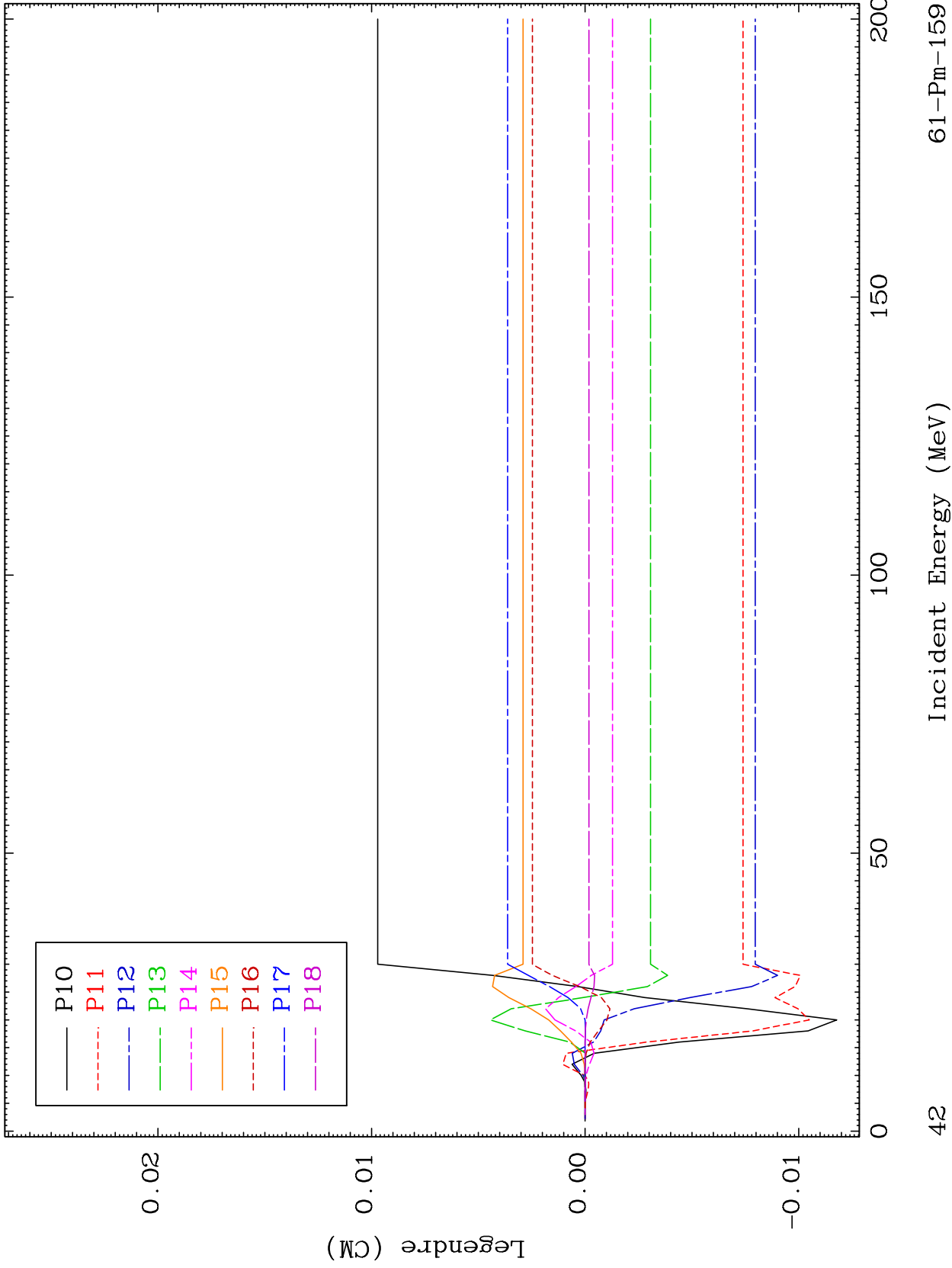
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

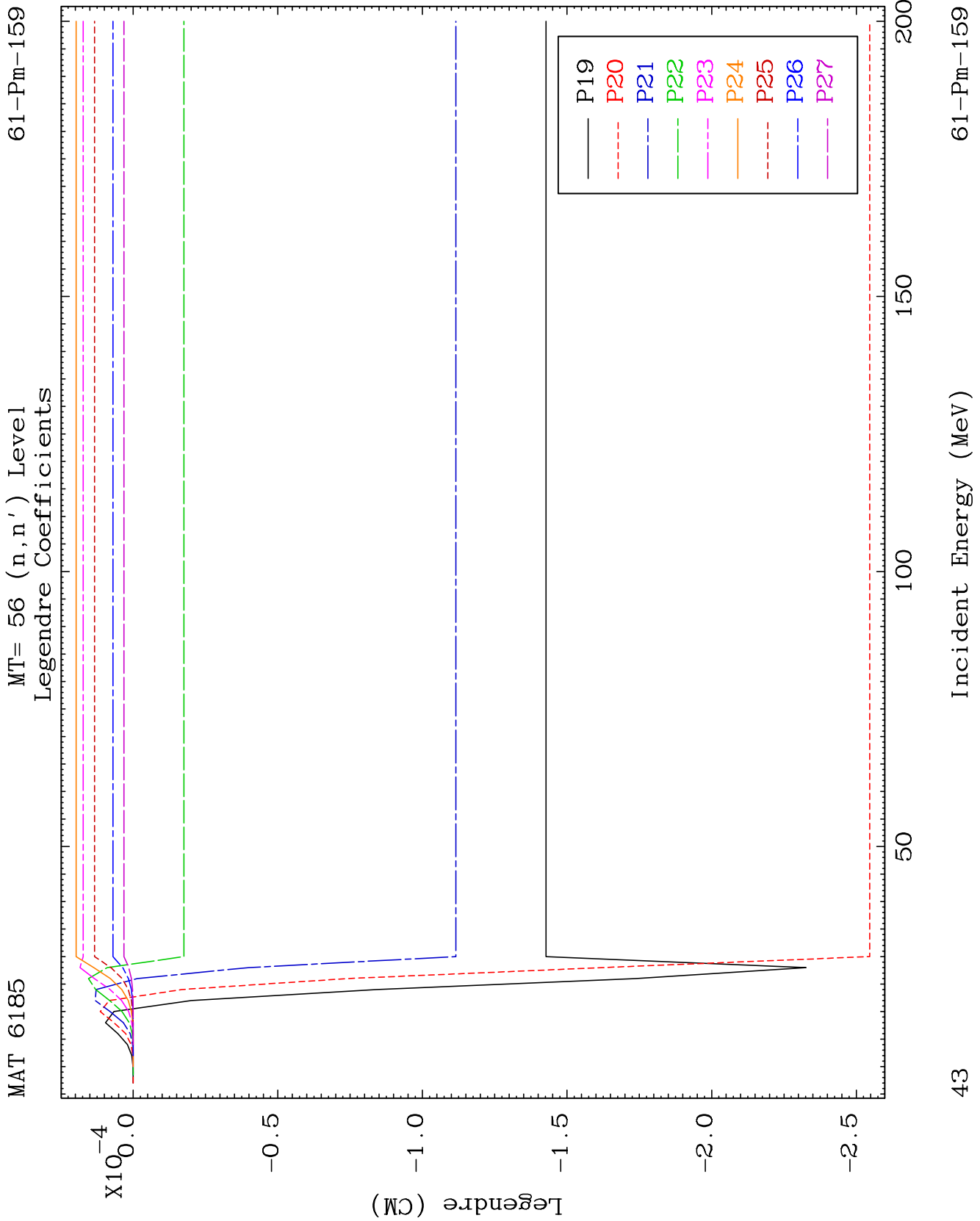
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42

Incident Energy (MeV)

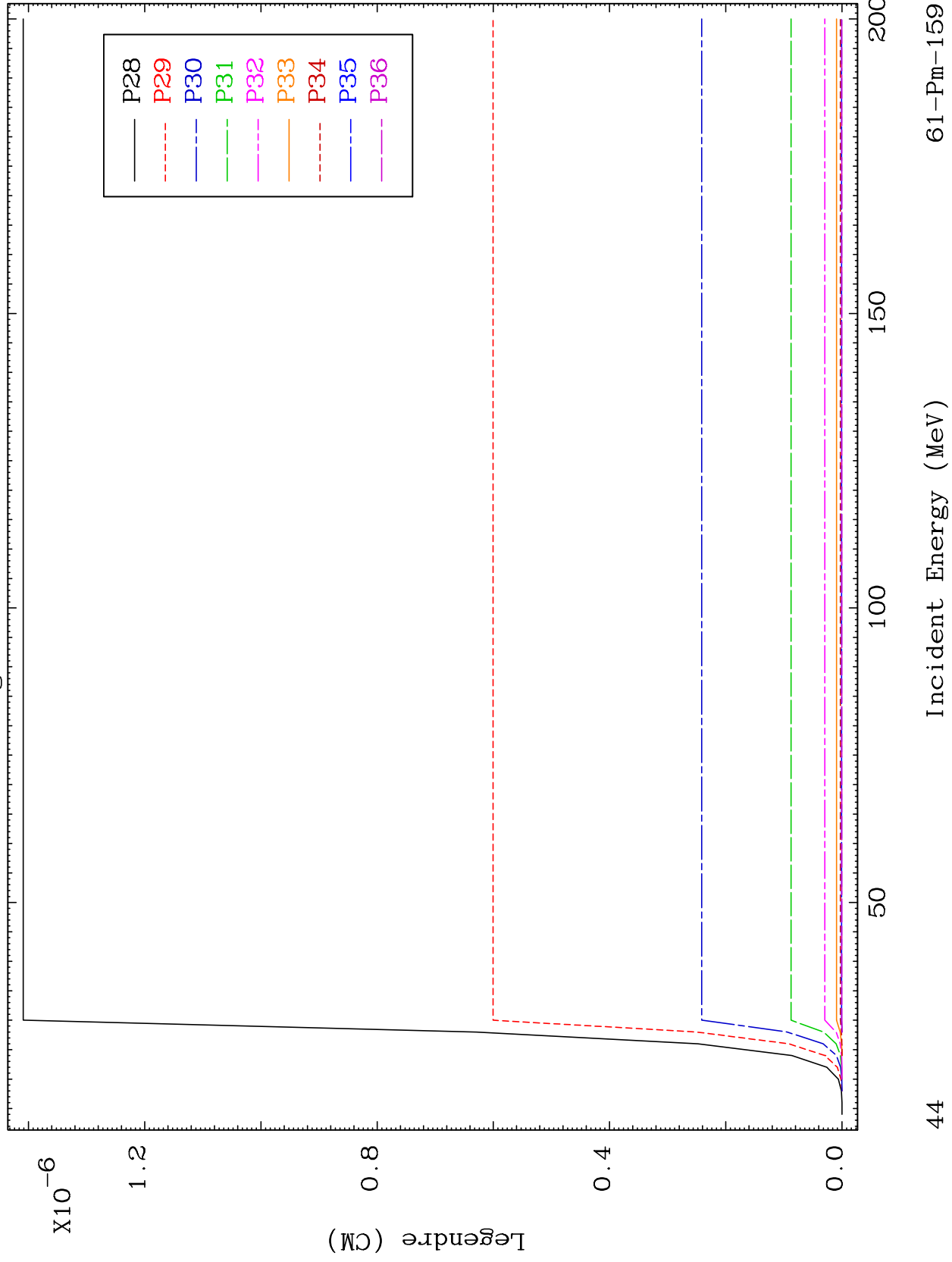
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MAT 6185

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

61-Pm-159



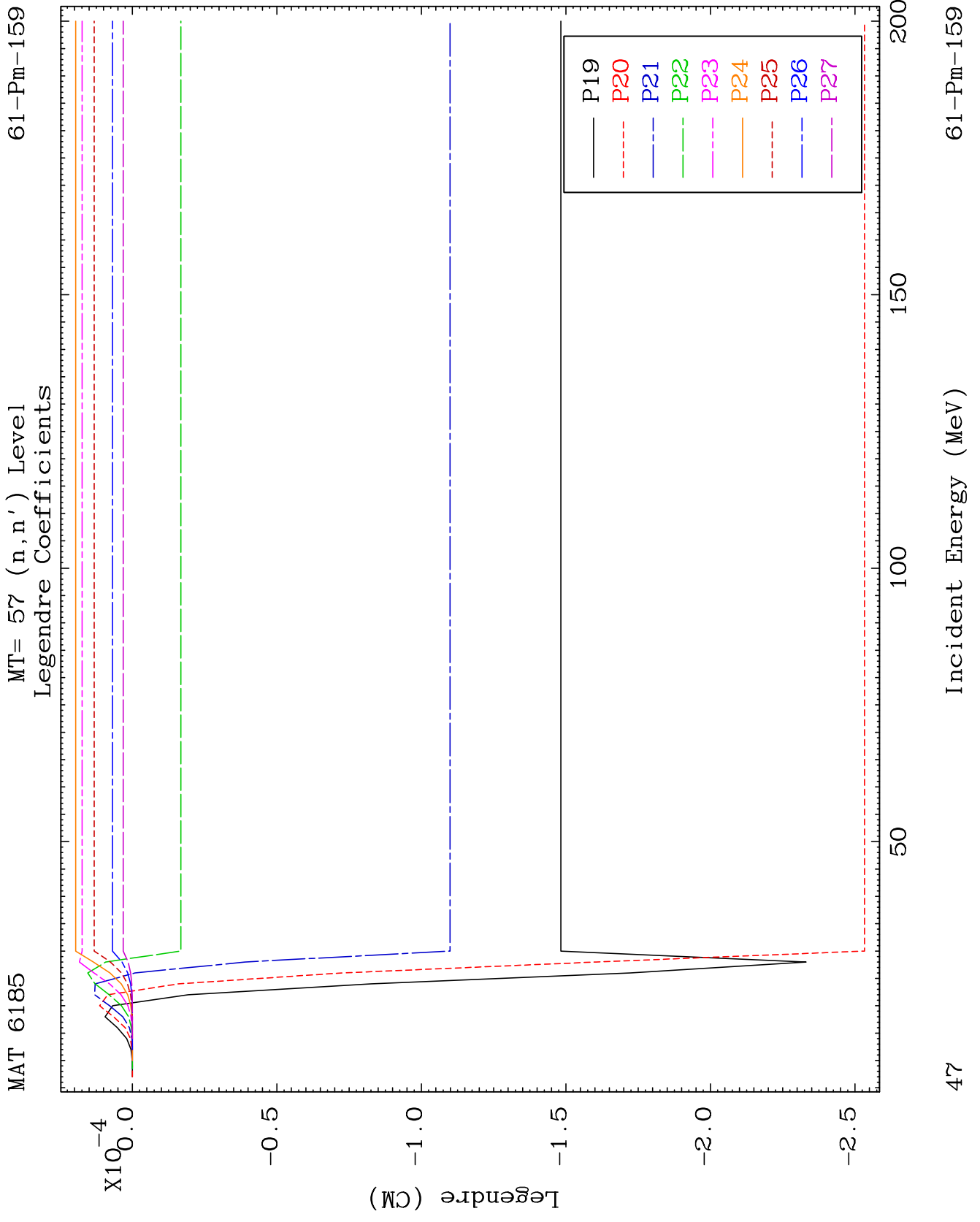
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Incident Energy (MeV)

61-Pm-159



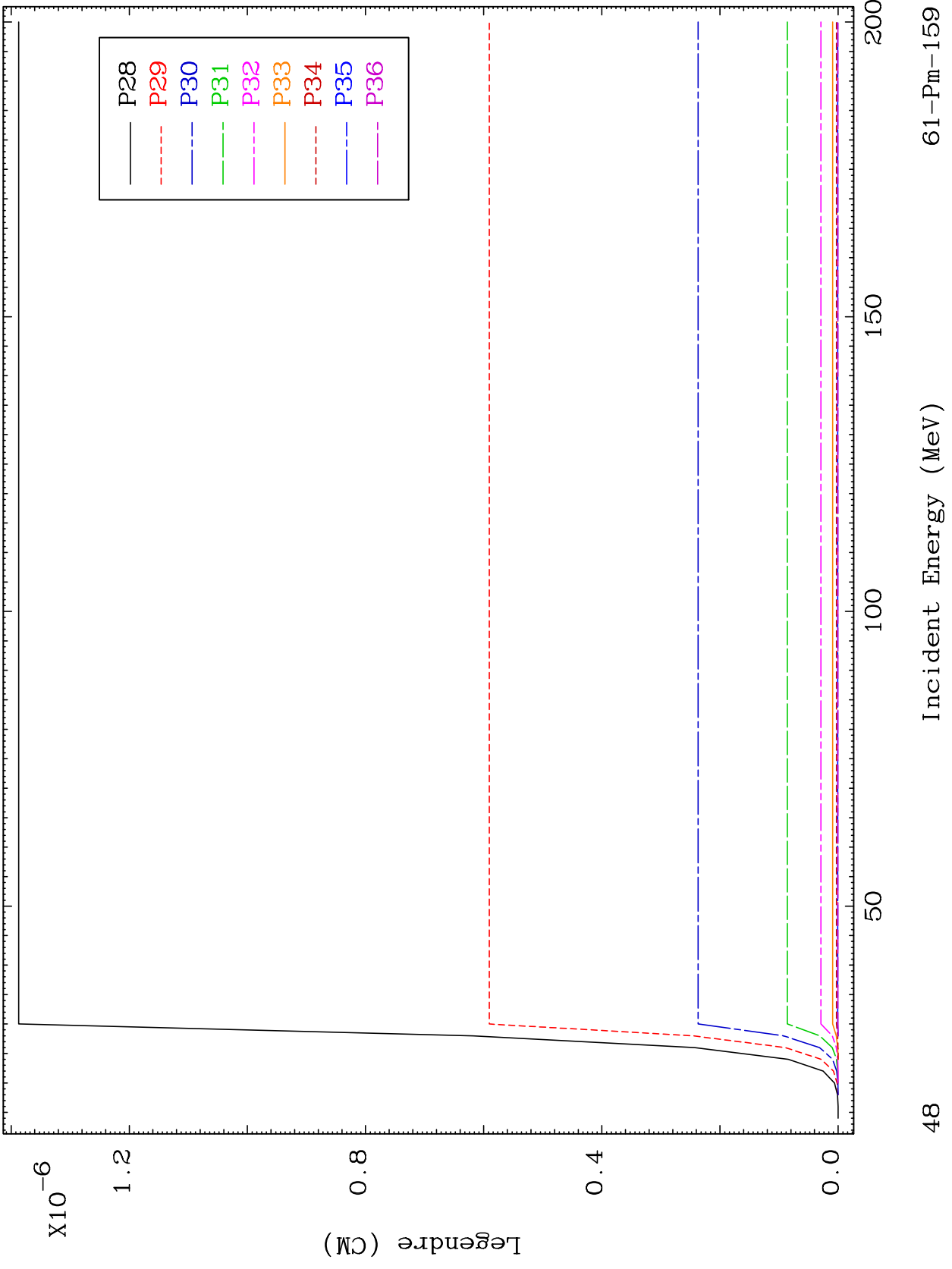




MAT 6185

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

61-Pm-159



48

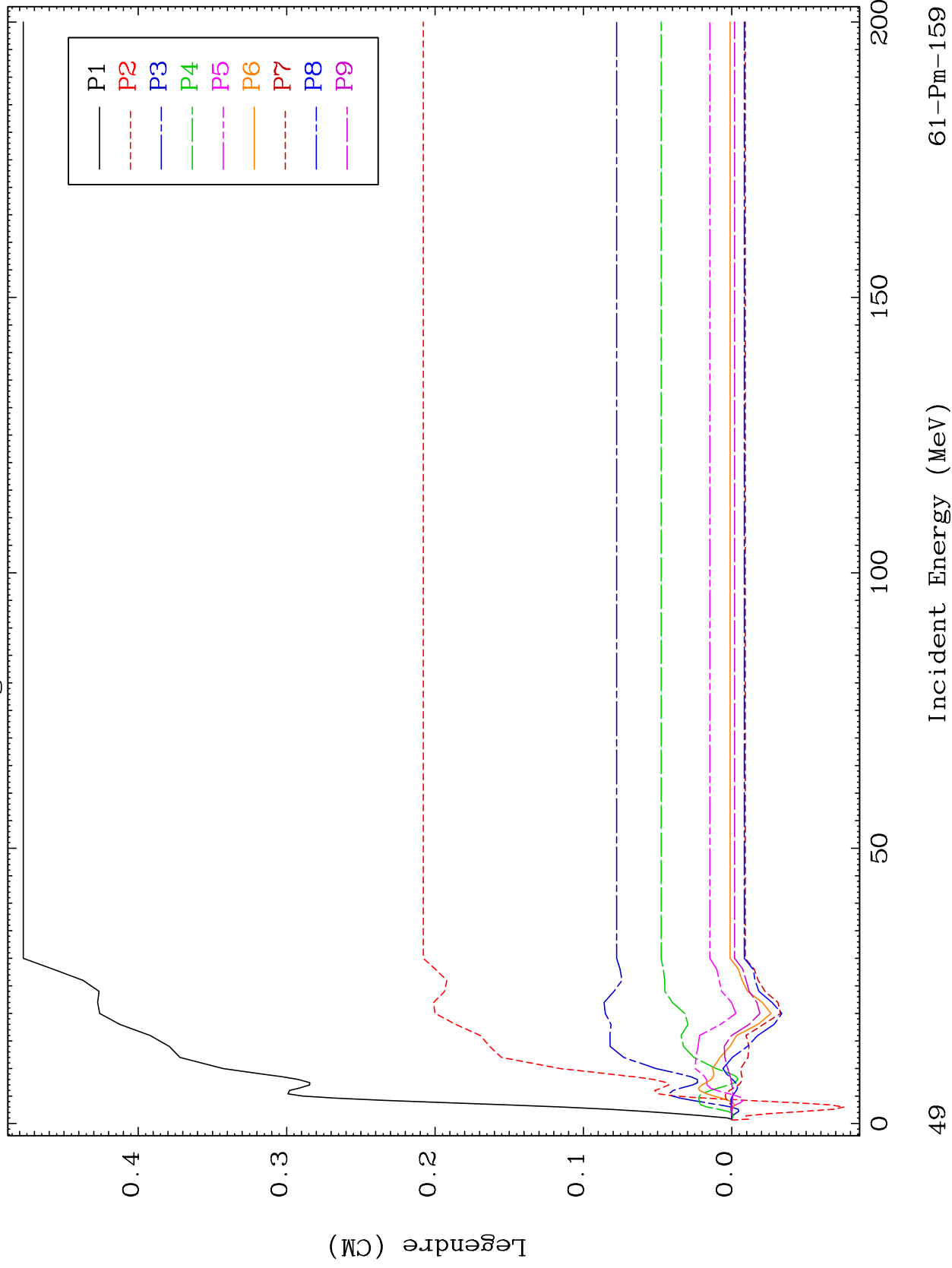
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



61-Pm-159

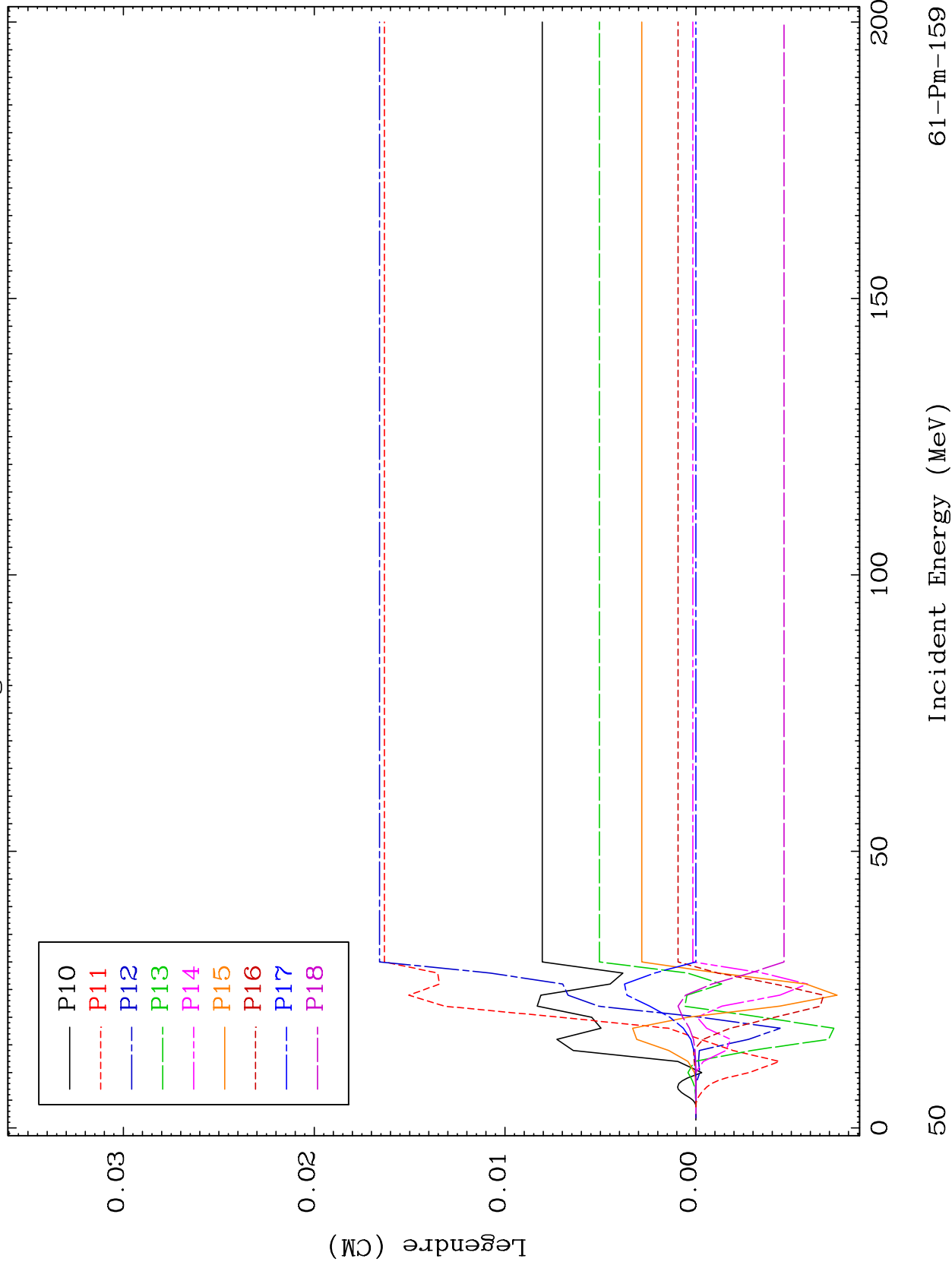
Incident Energy (MeV)

49

MAT 6185

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

61-Pm-159

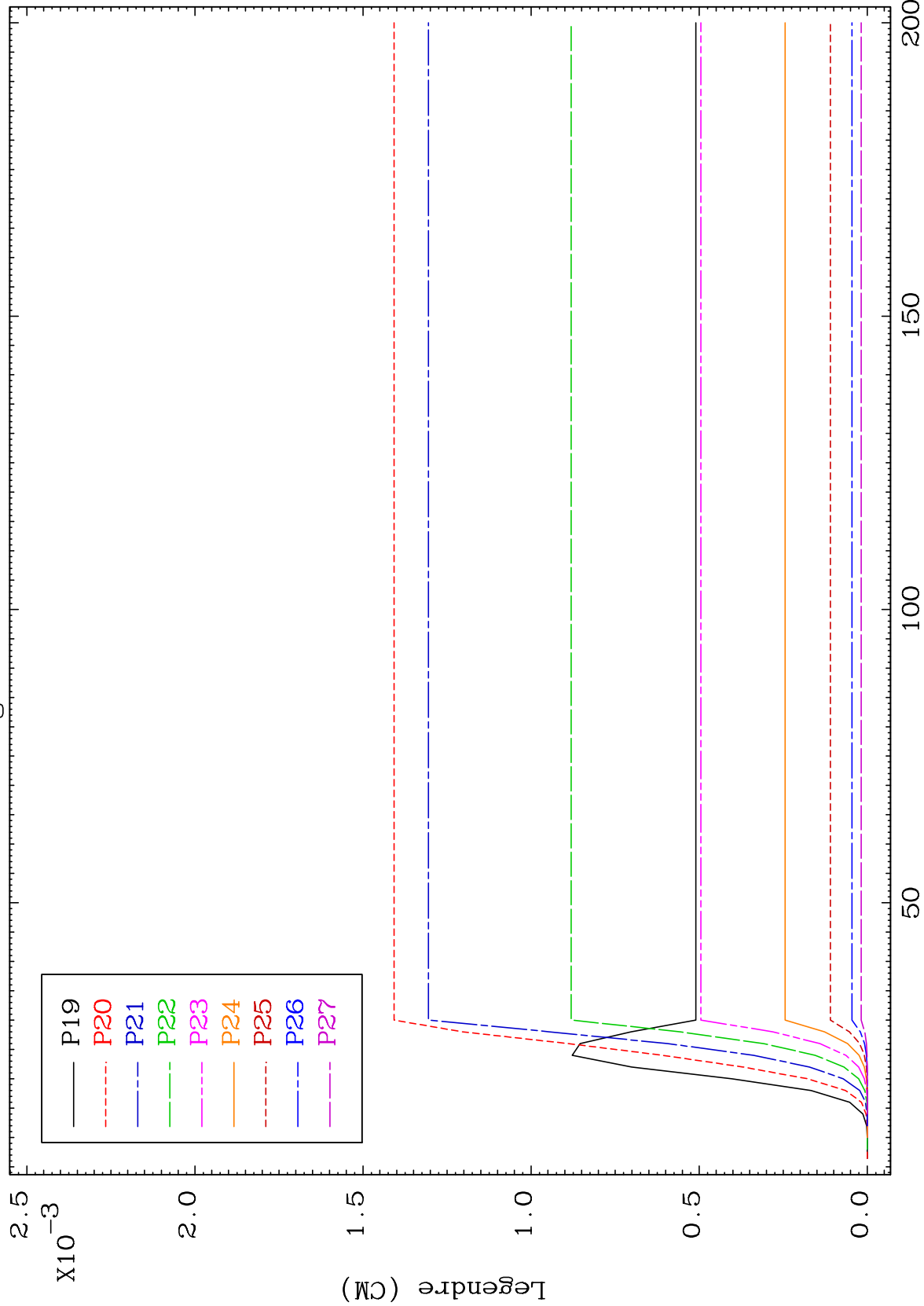


61-Pm-159

MAT 6185

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

61-Pm-159



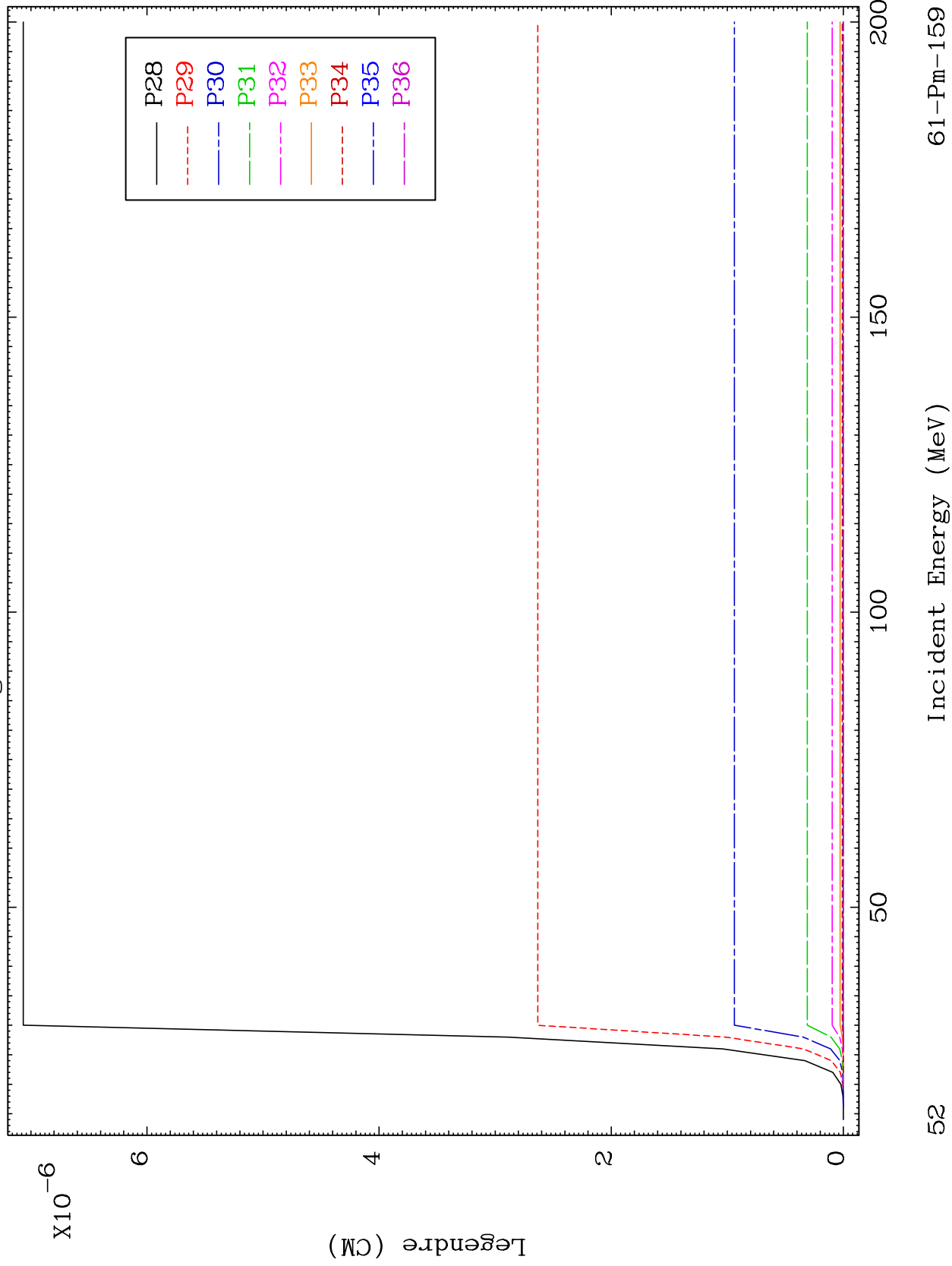
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61-Pm-159

MAT 6185

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

61-Pm-159



52

Incident Energy (MeV)

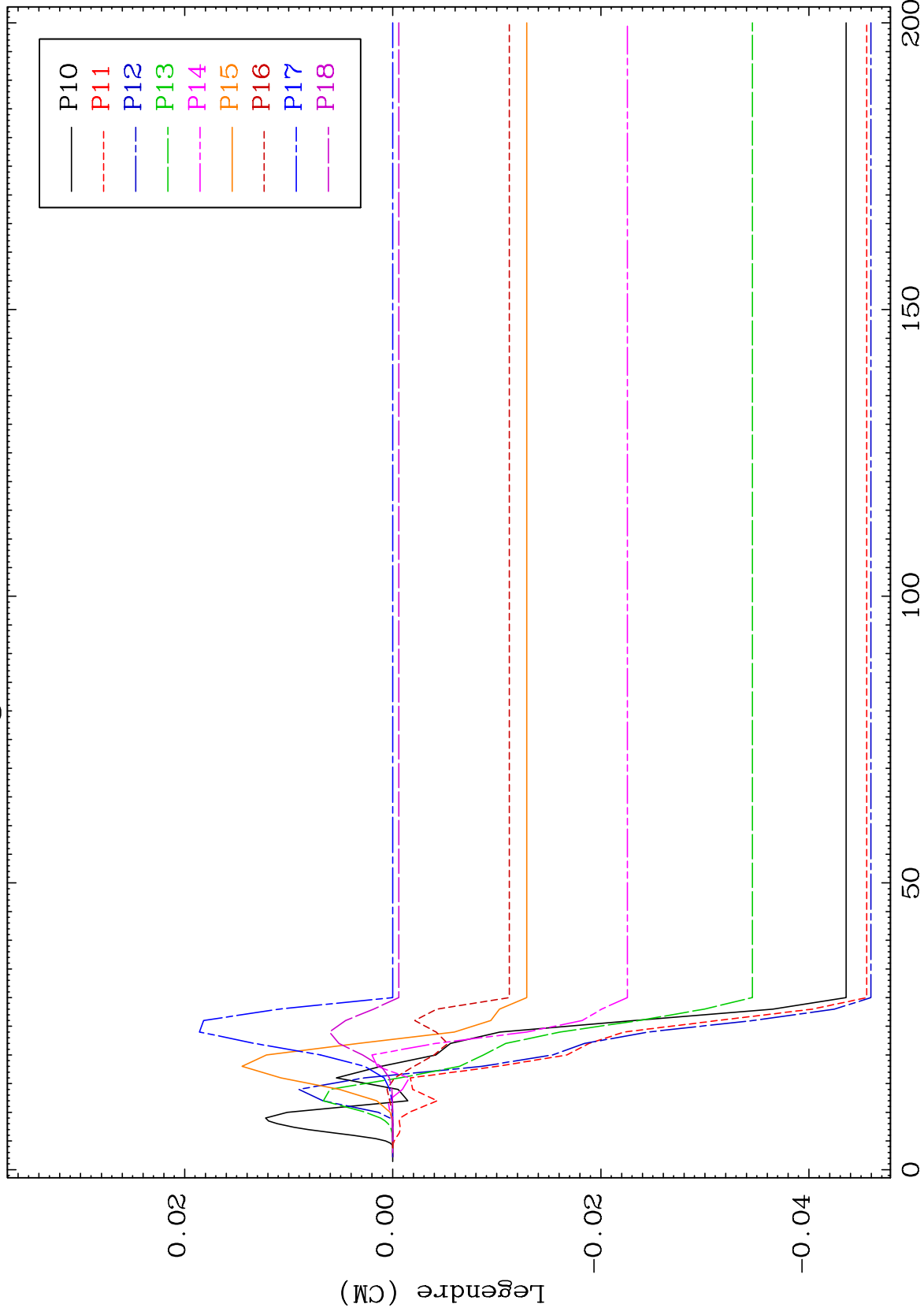
61-Pm-159



MAT 6185

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

61-Pm-159



54

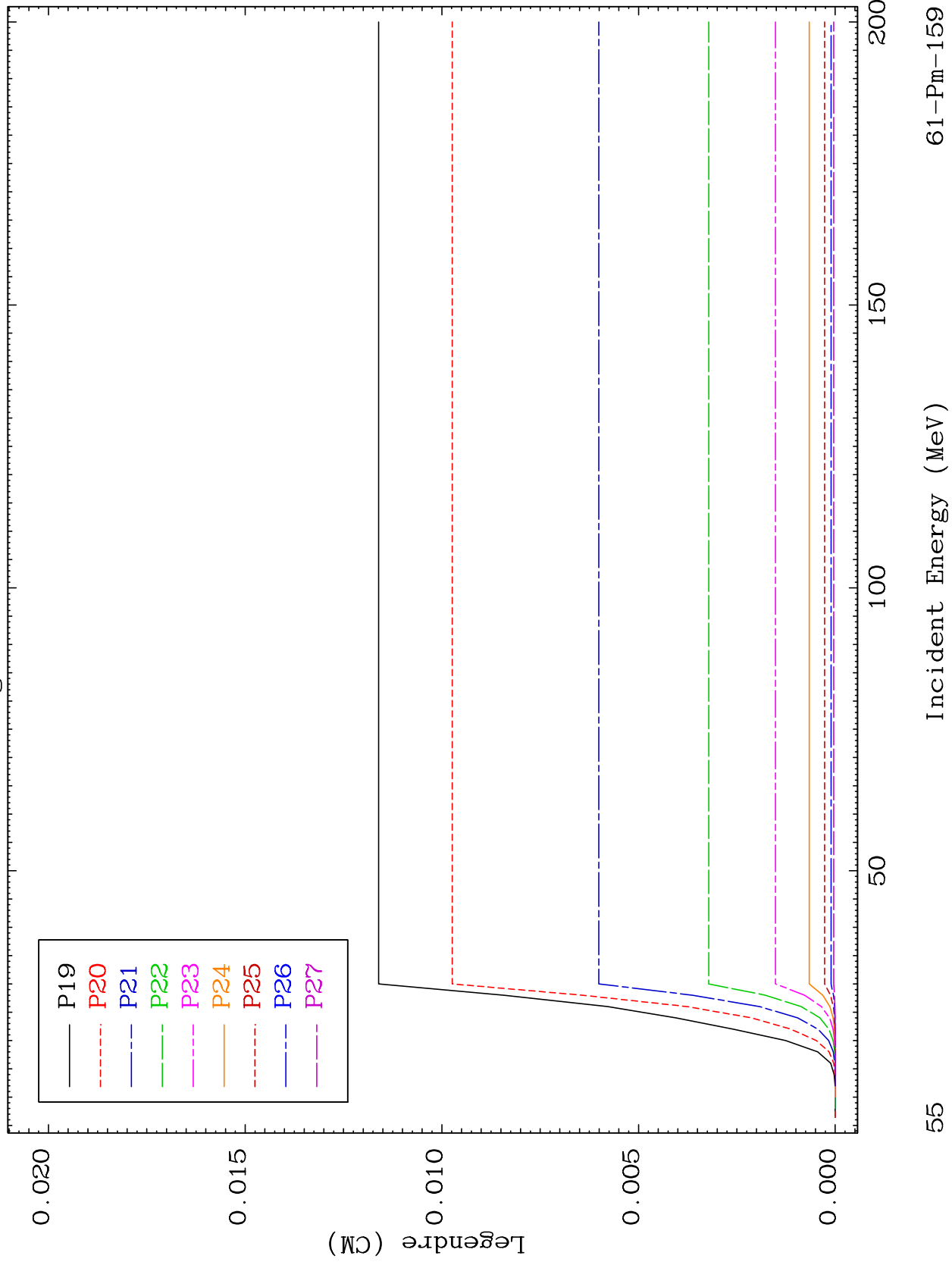
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



55

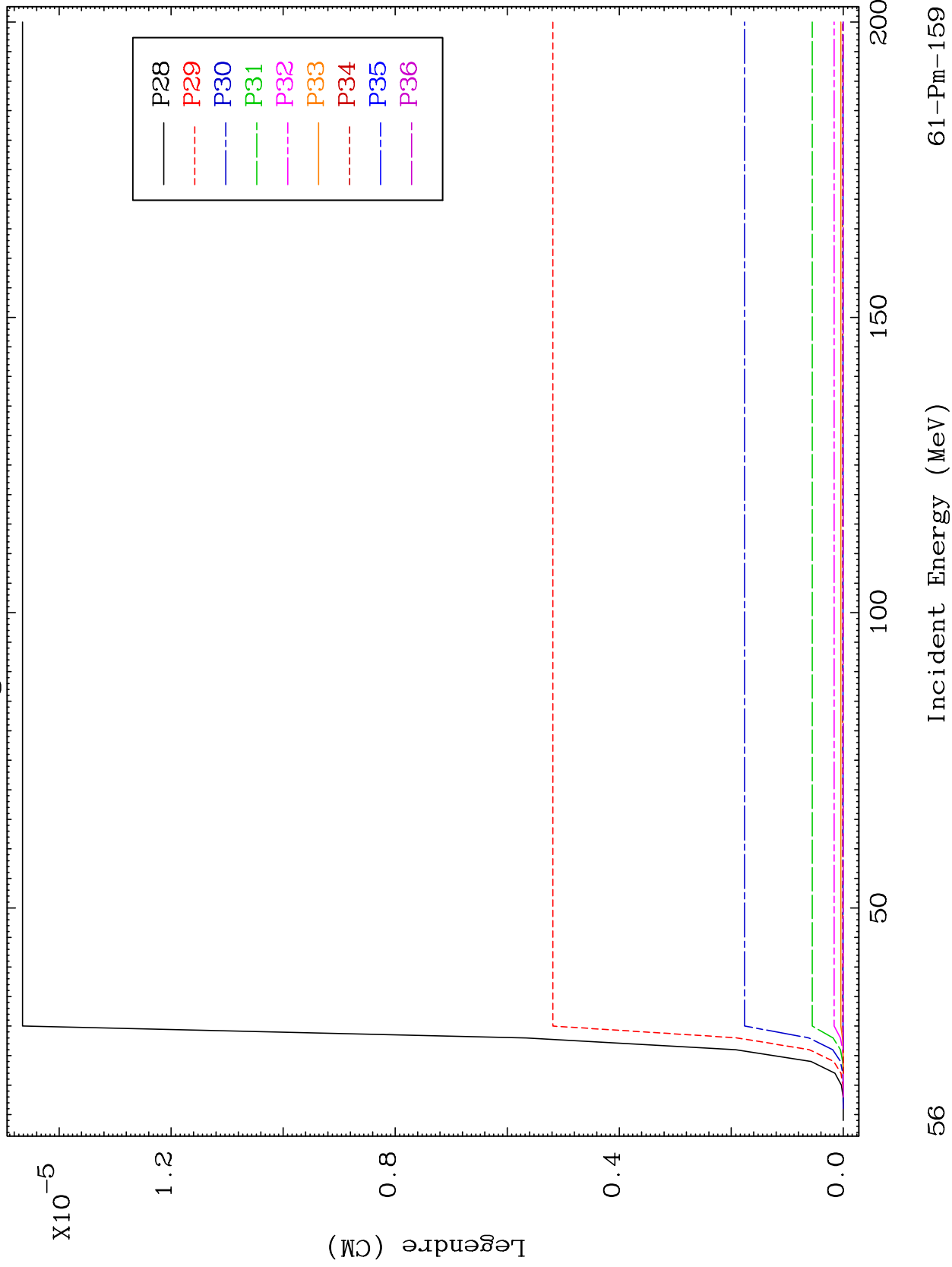
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



56

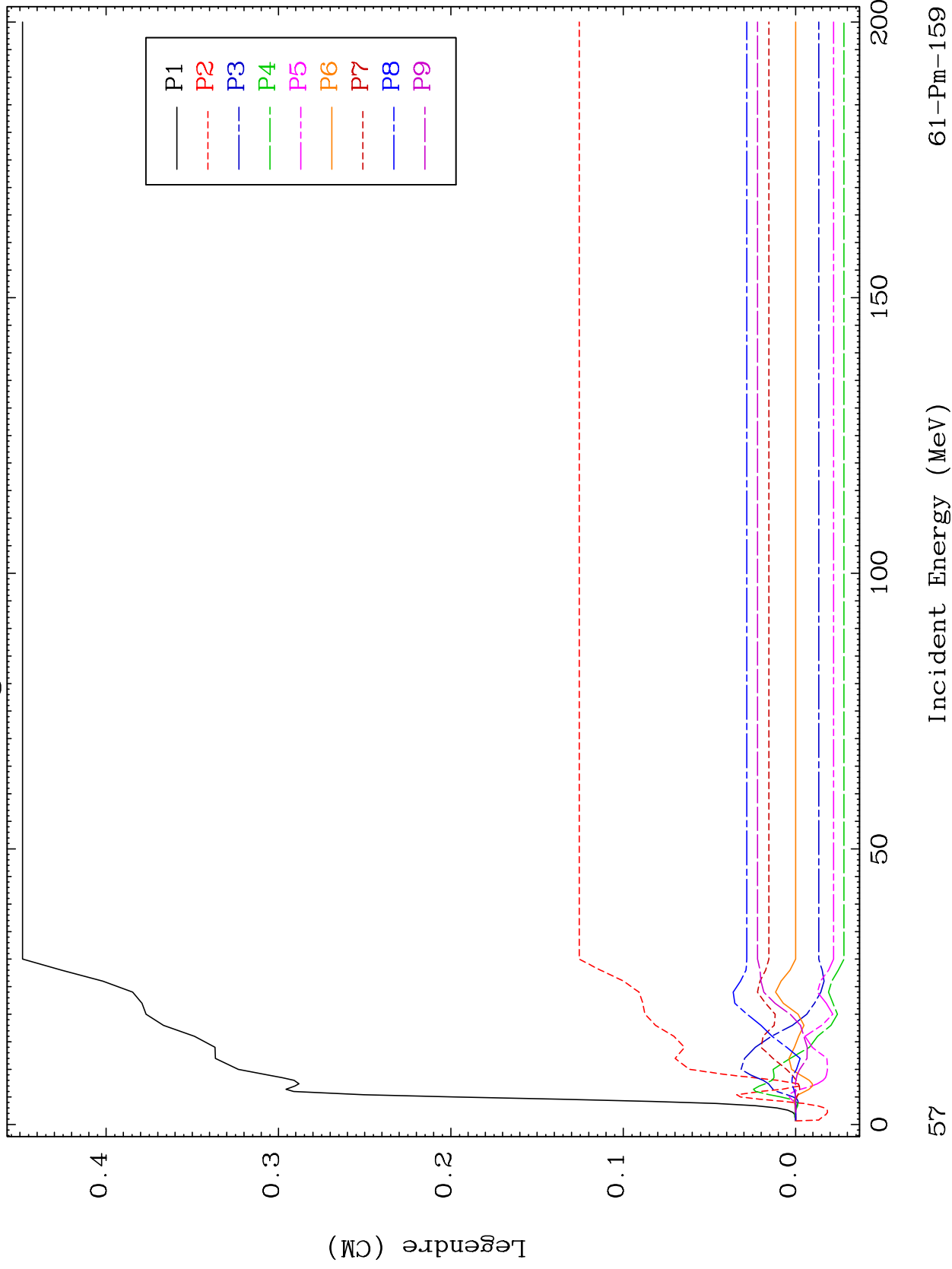
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



57

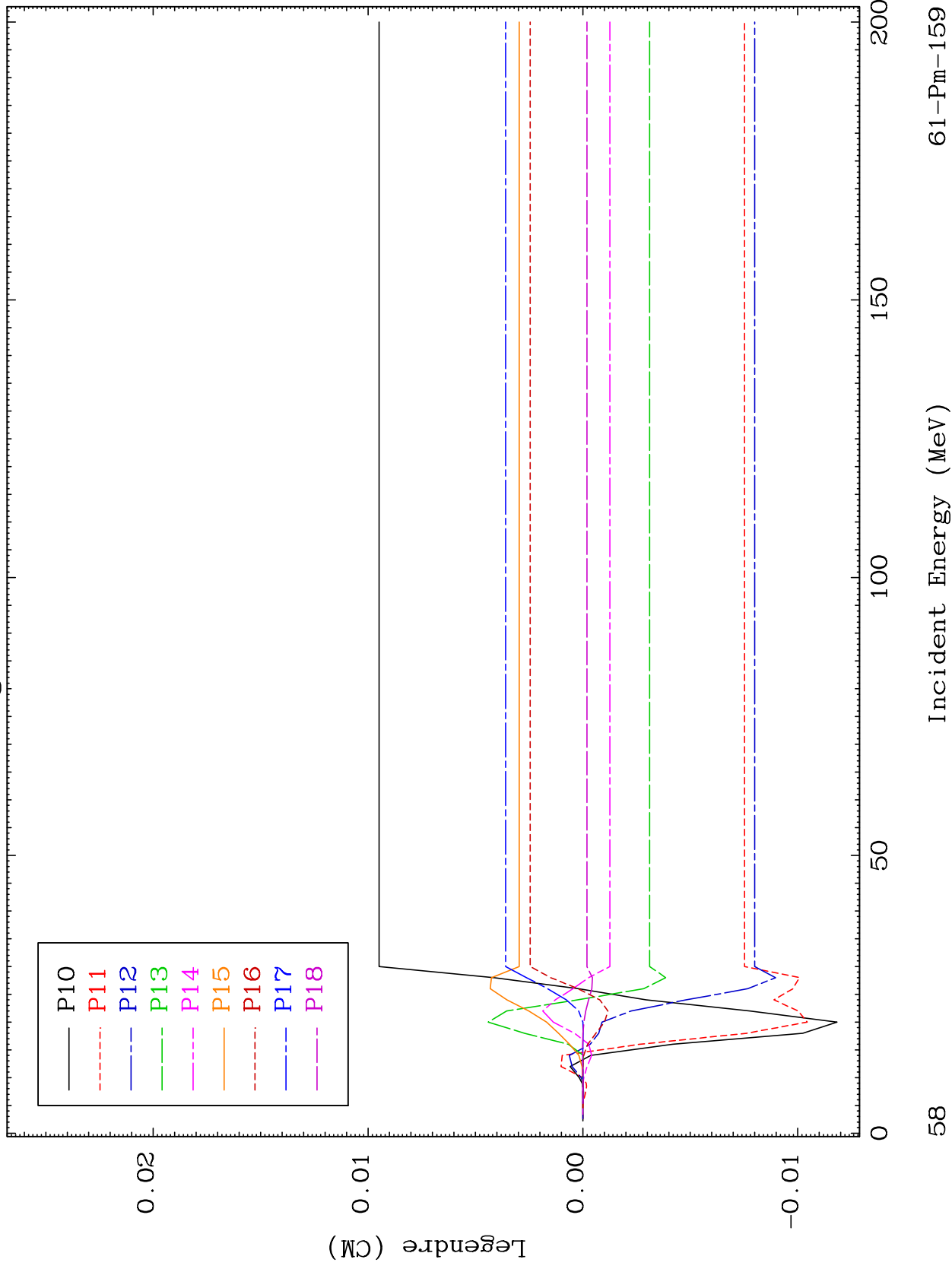
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159

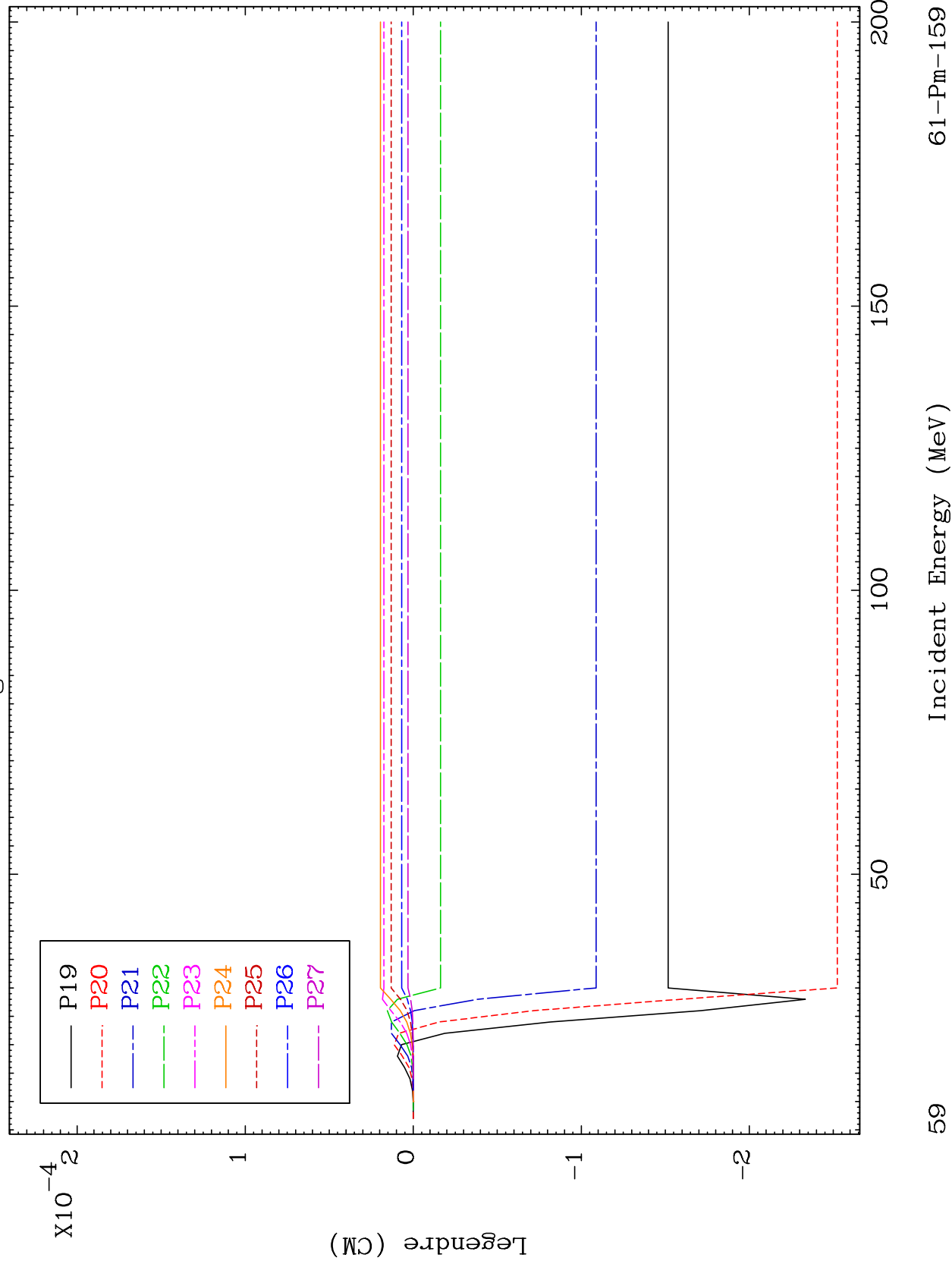


58

MAT 6185

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

61-Pm-159



59

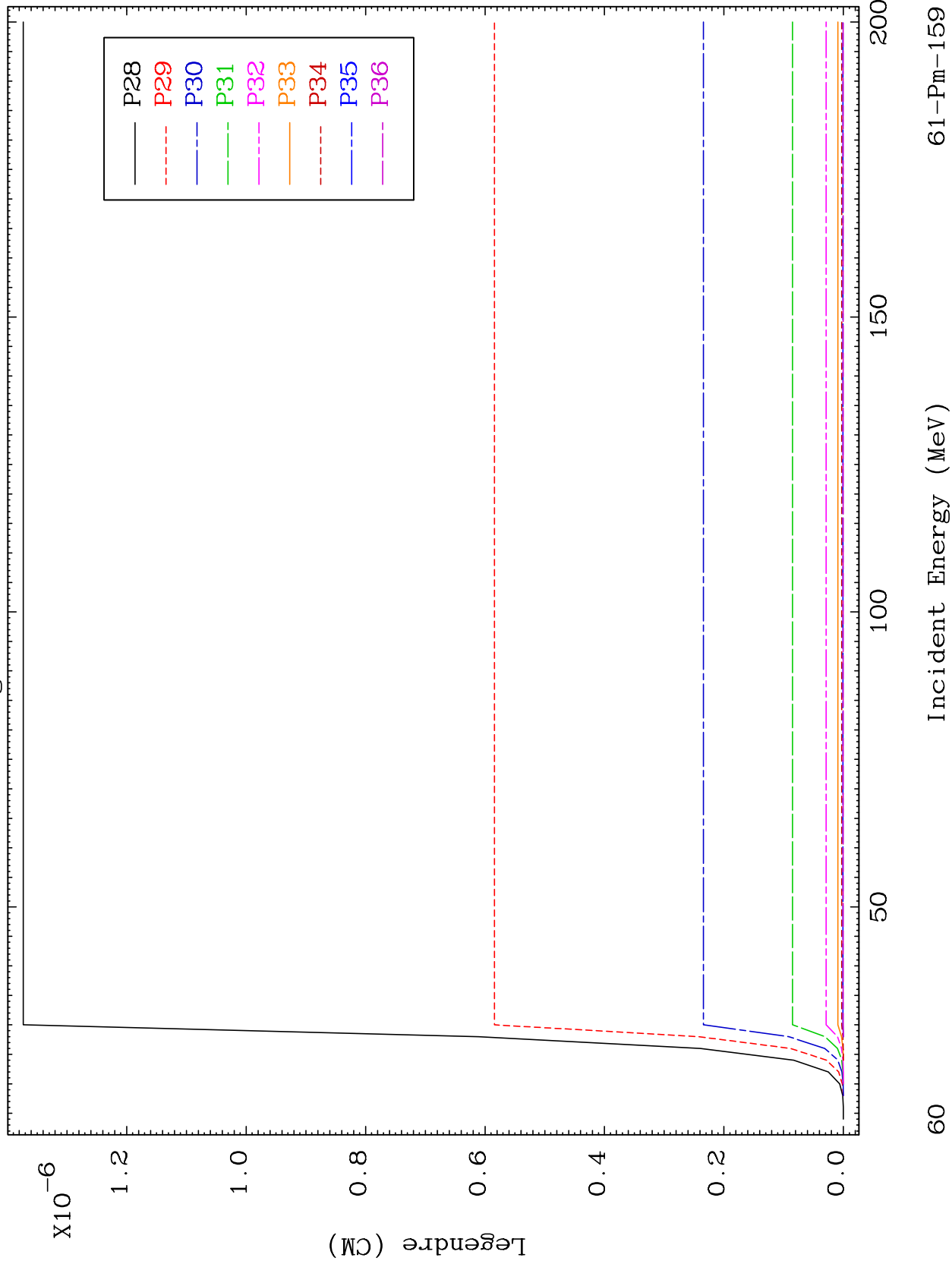
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

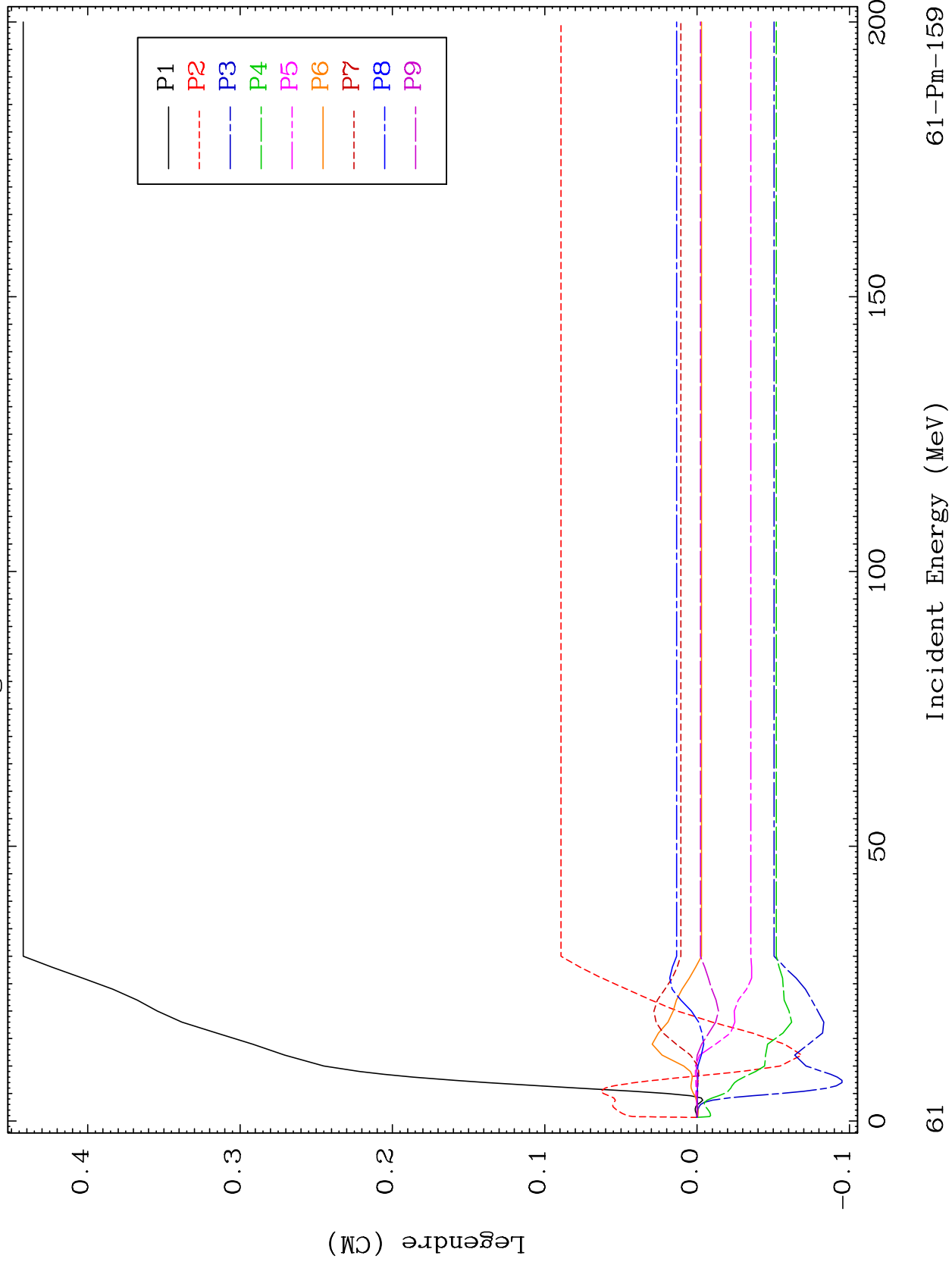
61-Pm-159



MAT 6185

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

61-Pm-159



61-Pm-159

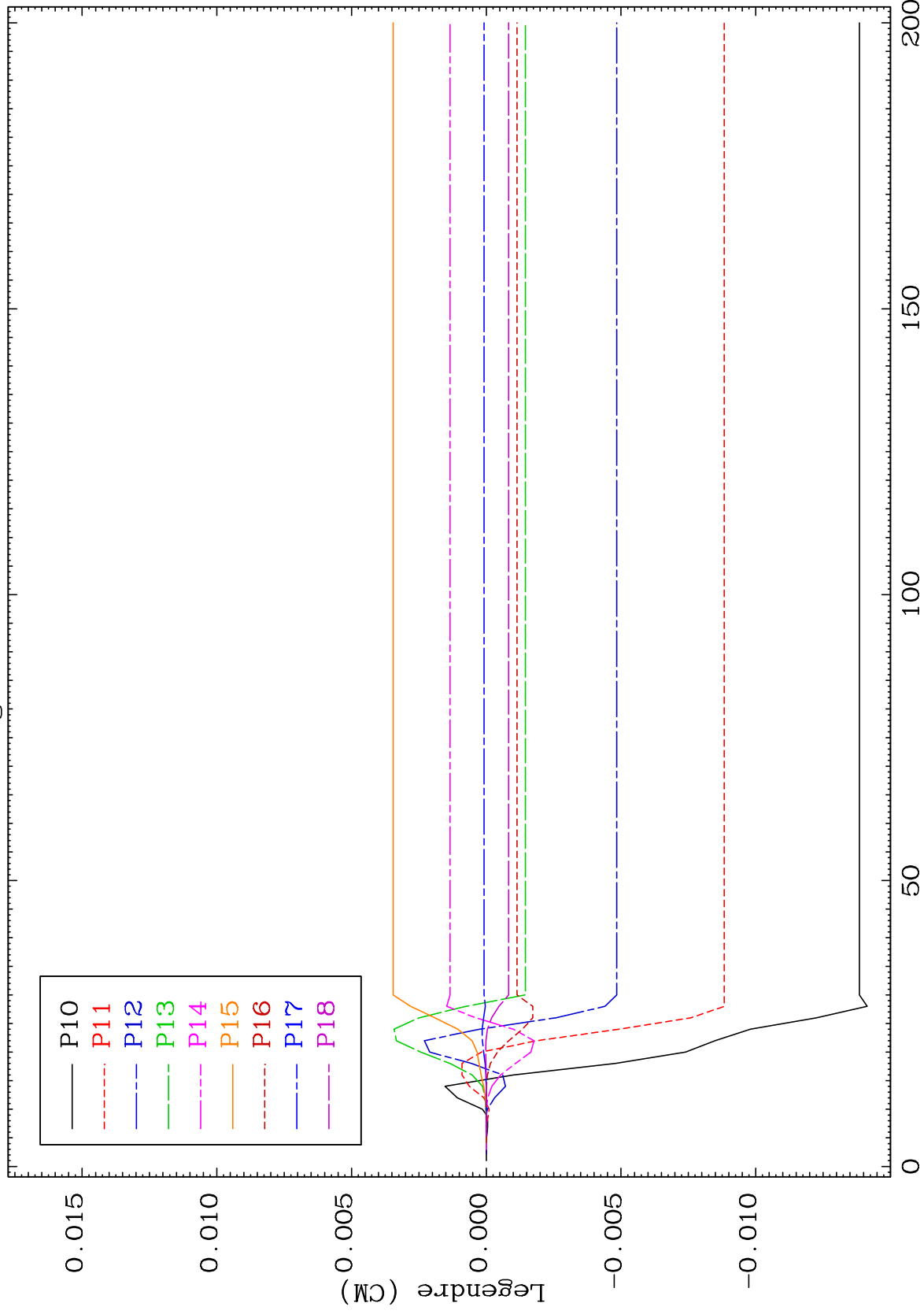
Incident Energy (MeV)

61

MAT 6185

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

61-Pm-159



62

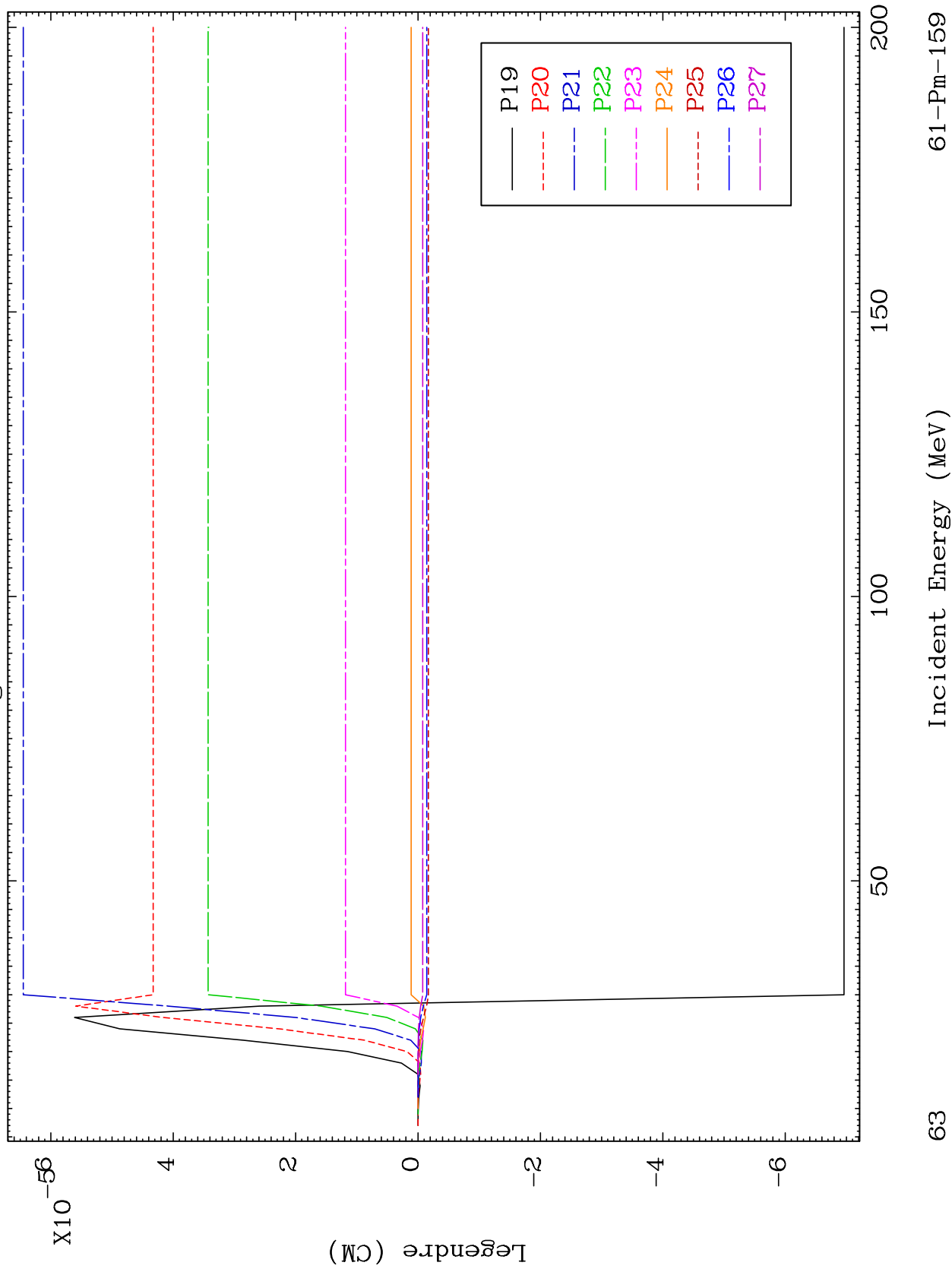
Incident Energy (MeV)

61-Pm-159

MAT 6185

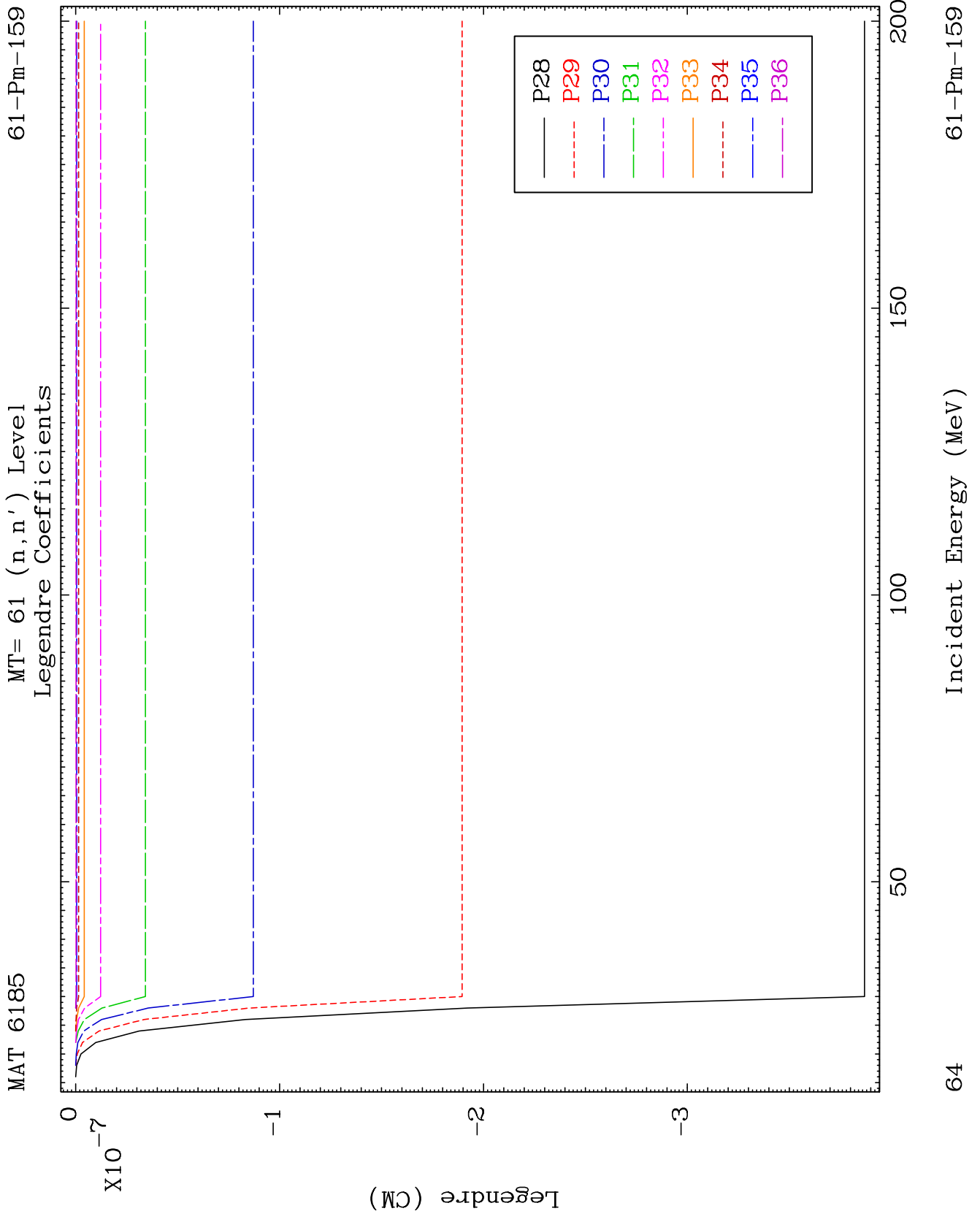
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Legendre Coefficients

61-Pm-159



63

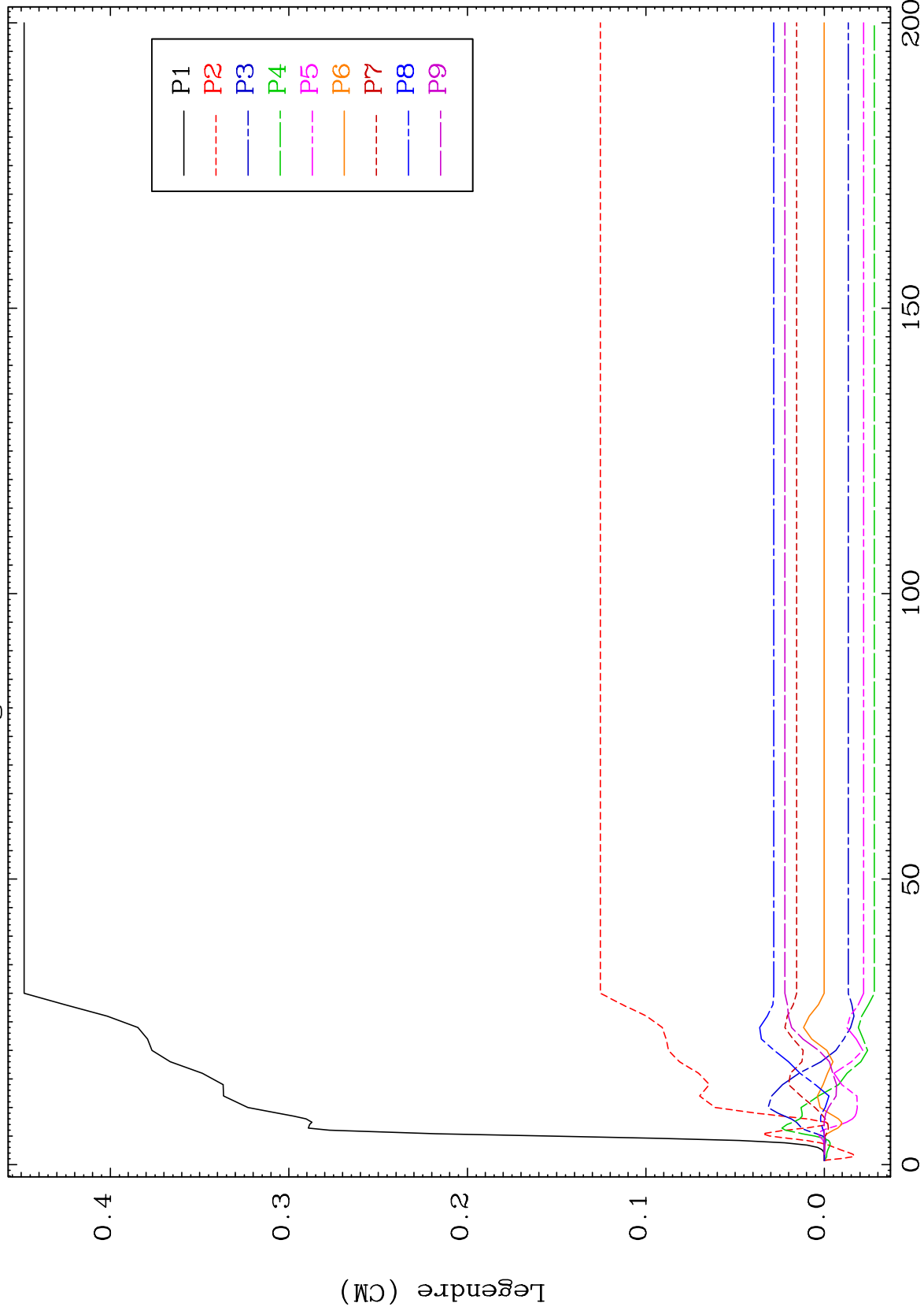
61-Pm-159



MAT 6185

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

61-Pm-159



61-Pm-159

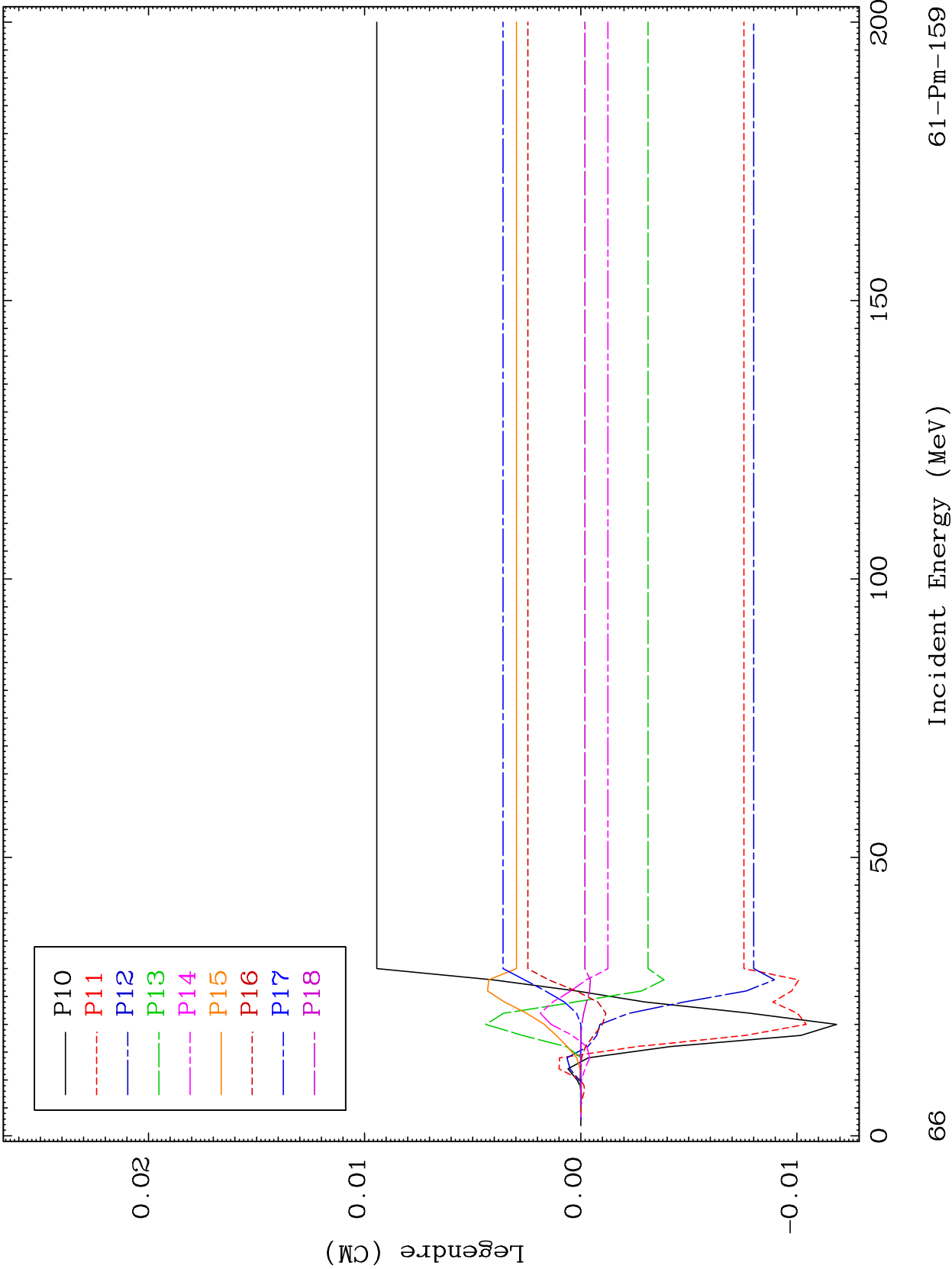
Incident Energy (MeV)

65

MAT 6185

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

61-Pm-159

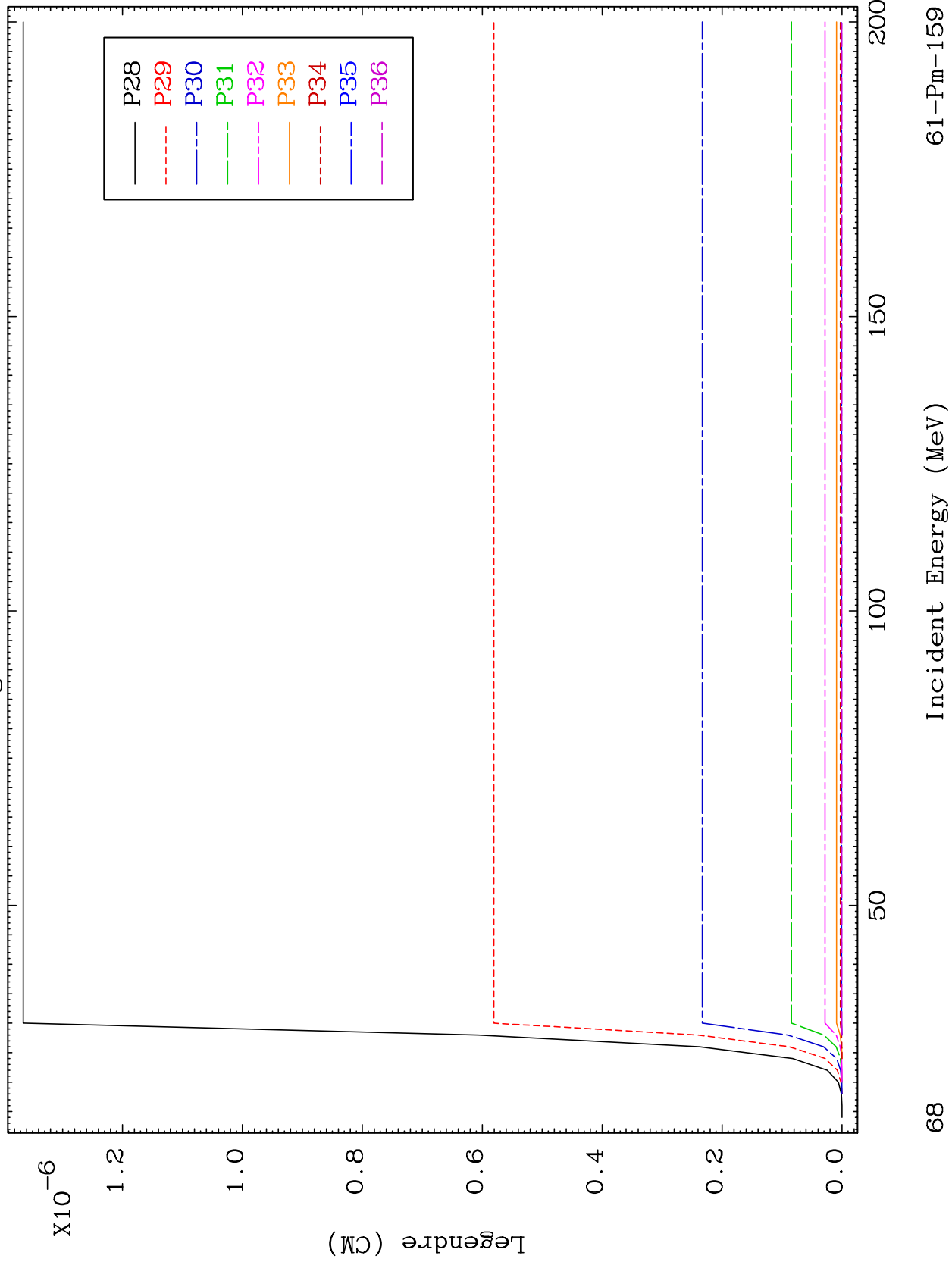




MAT 6185

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

61-Pm-159



68

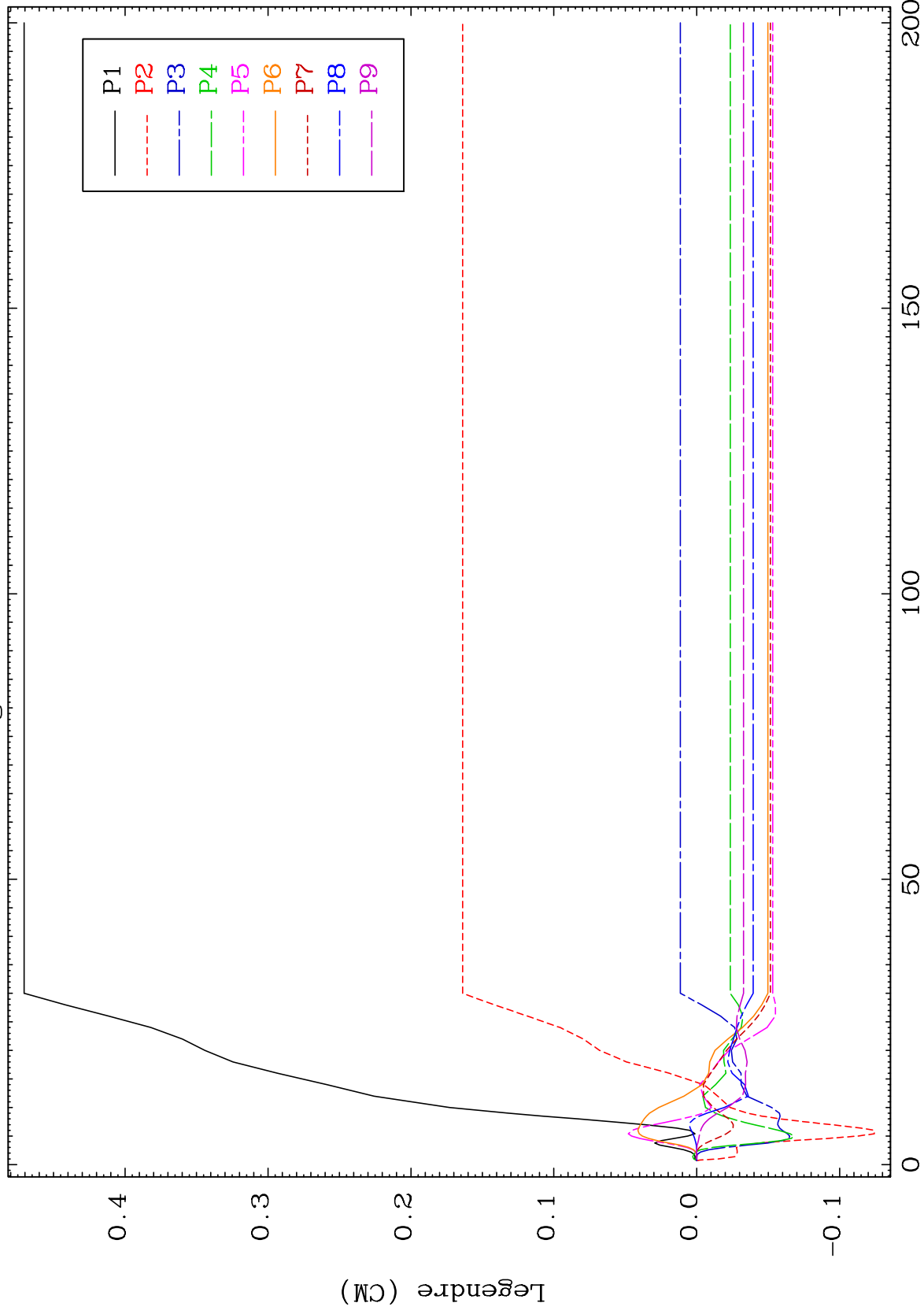
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

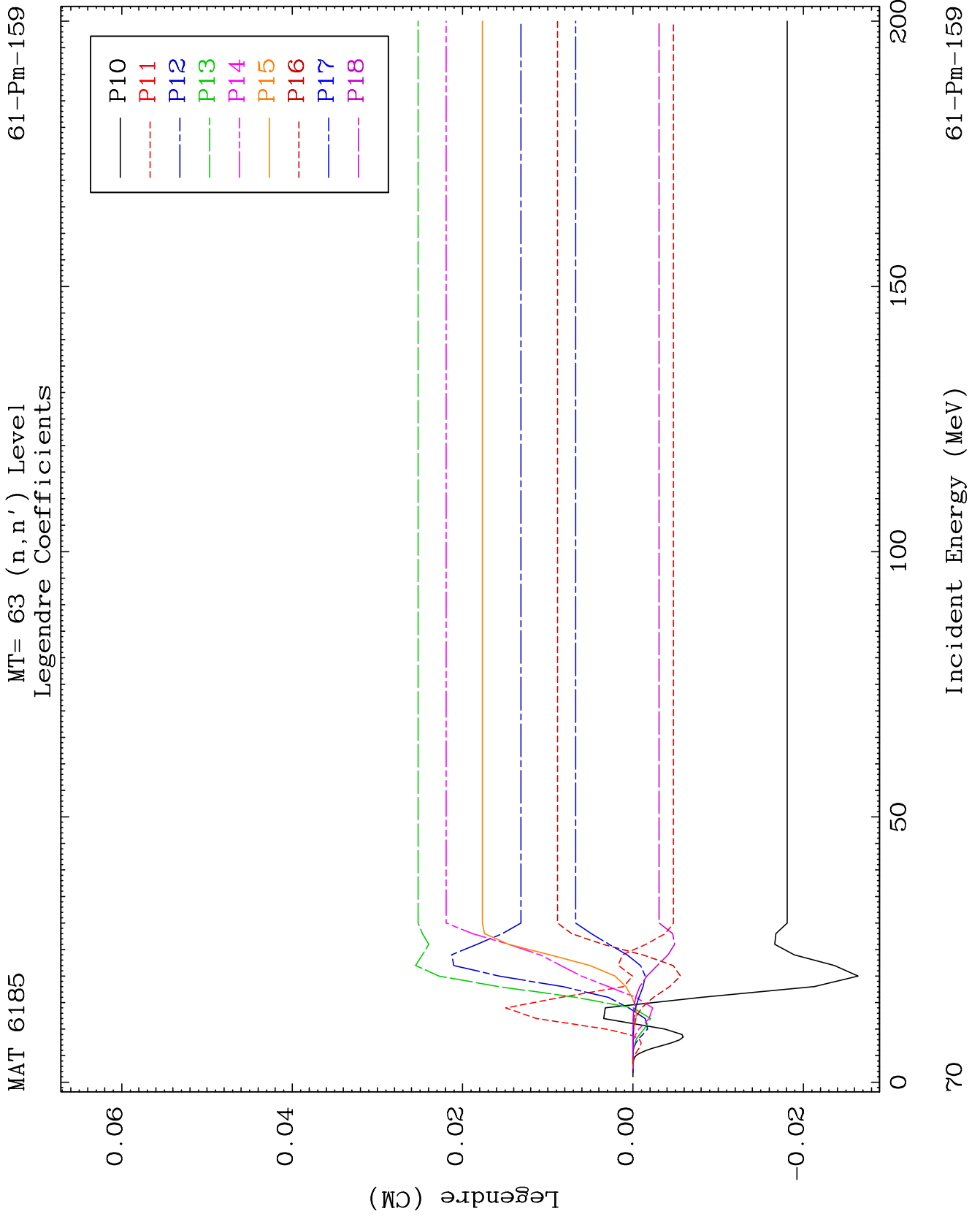
61-Pm-159



69

Incident Energy (MeV)

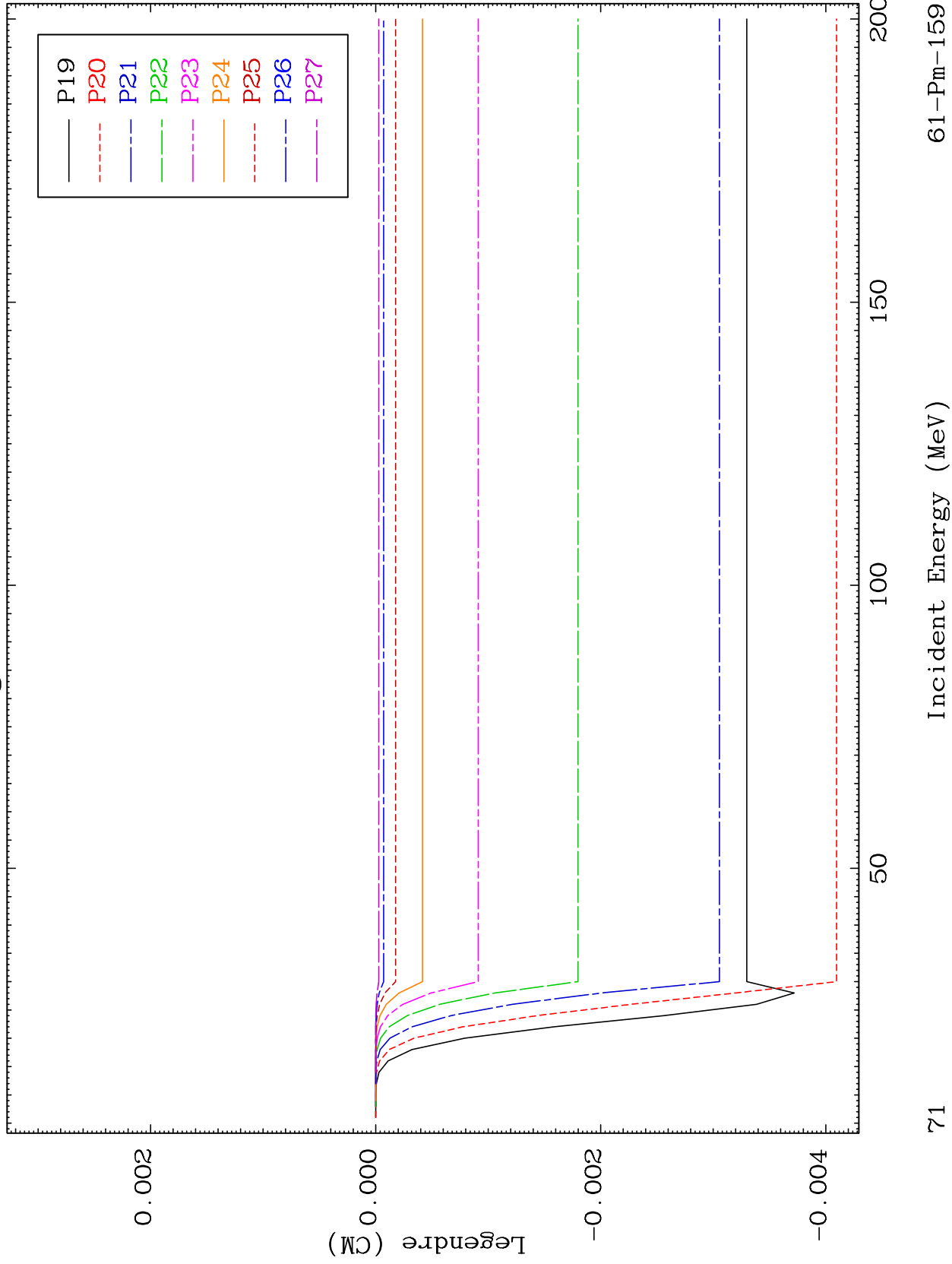
61-Pm-159



MAT 6185

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

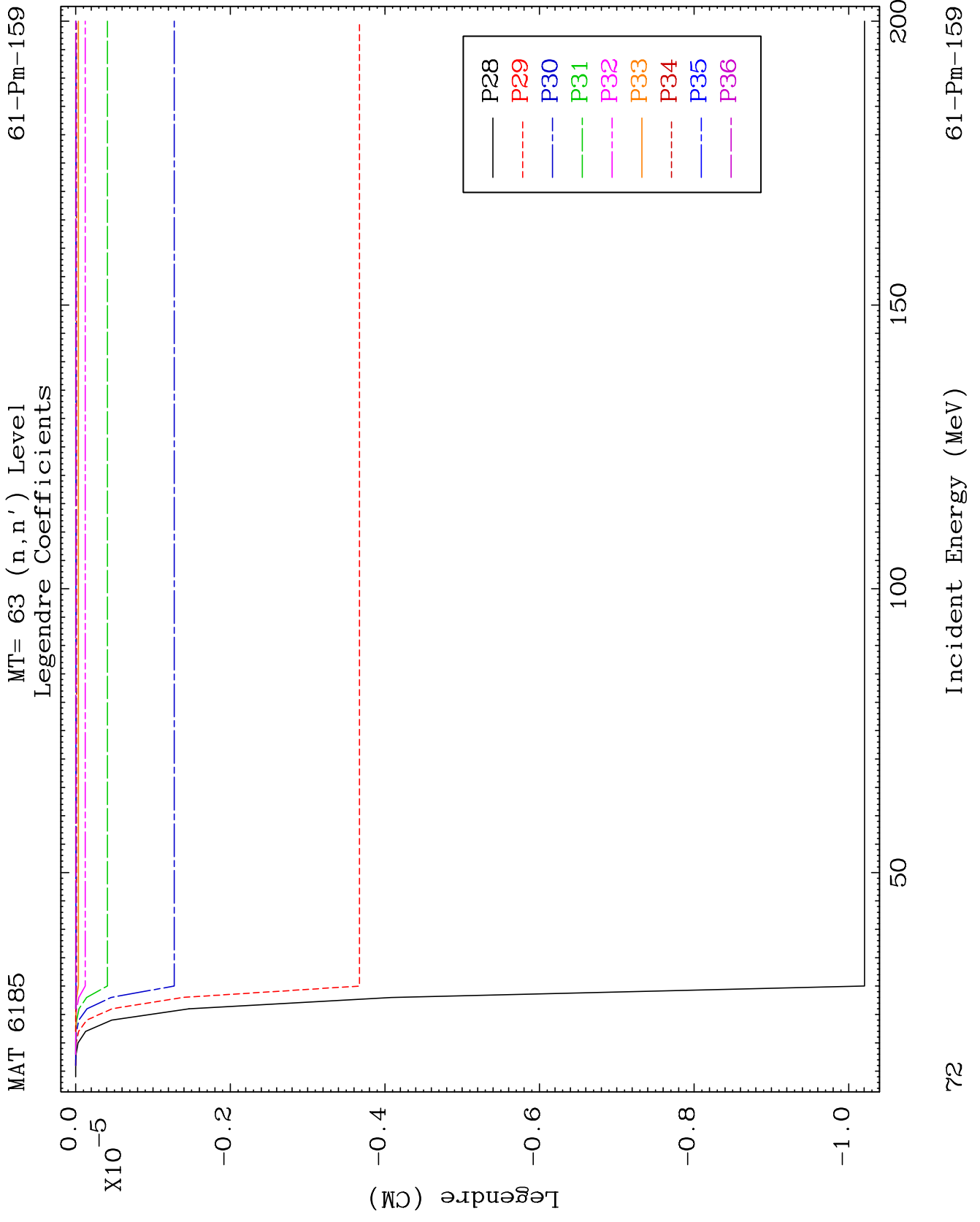
61-Pm-159



71

Incident Energy (MeV)

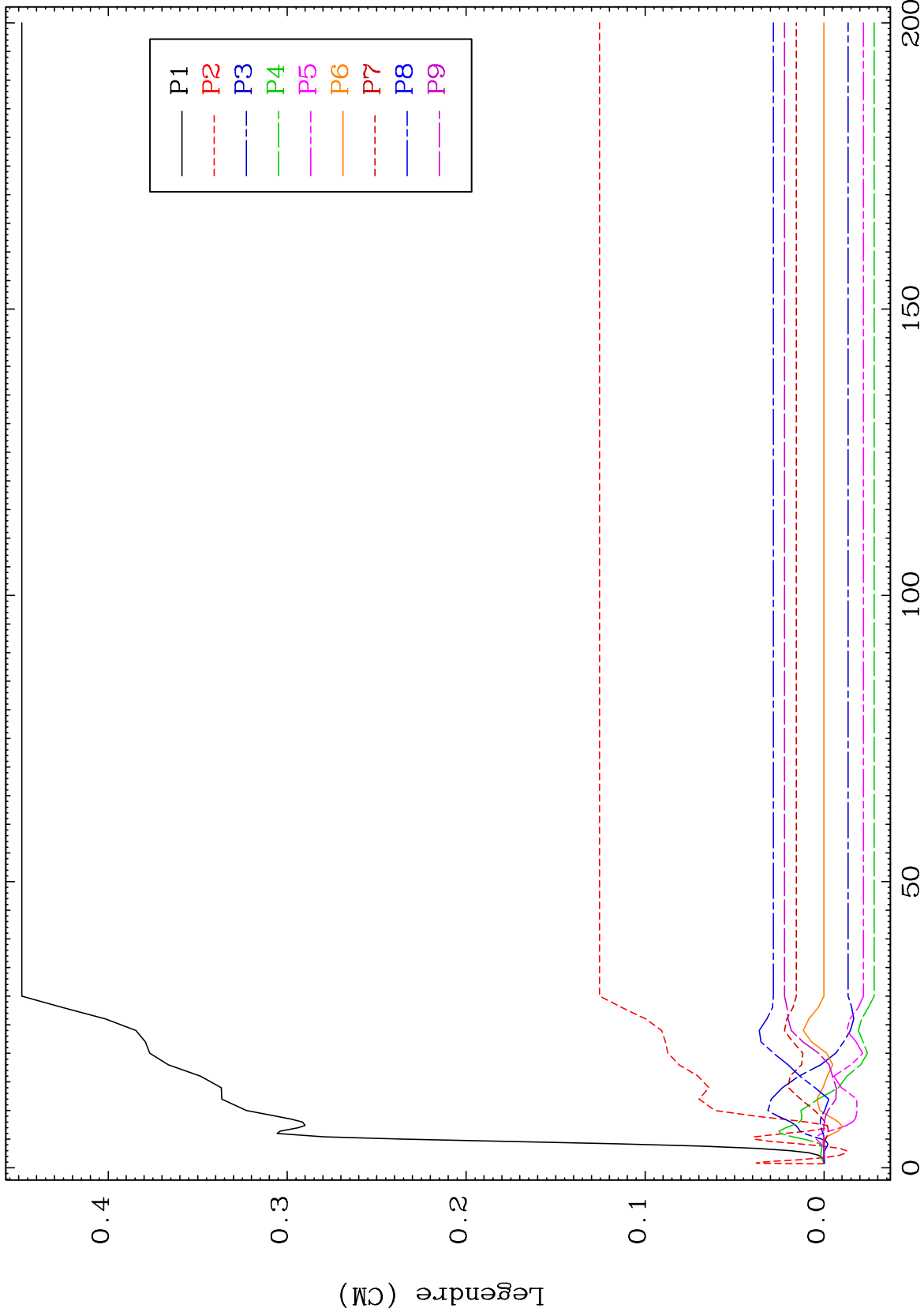
61-Pm-159



MAT 6185

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

61-Pm-159



73

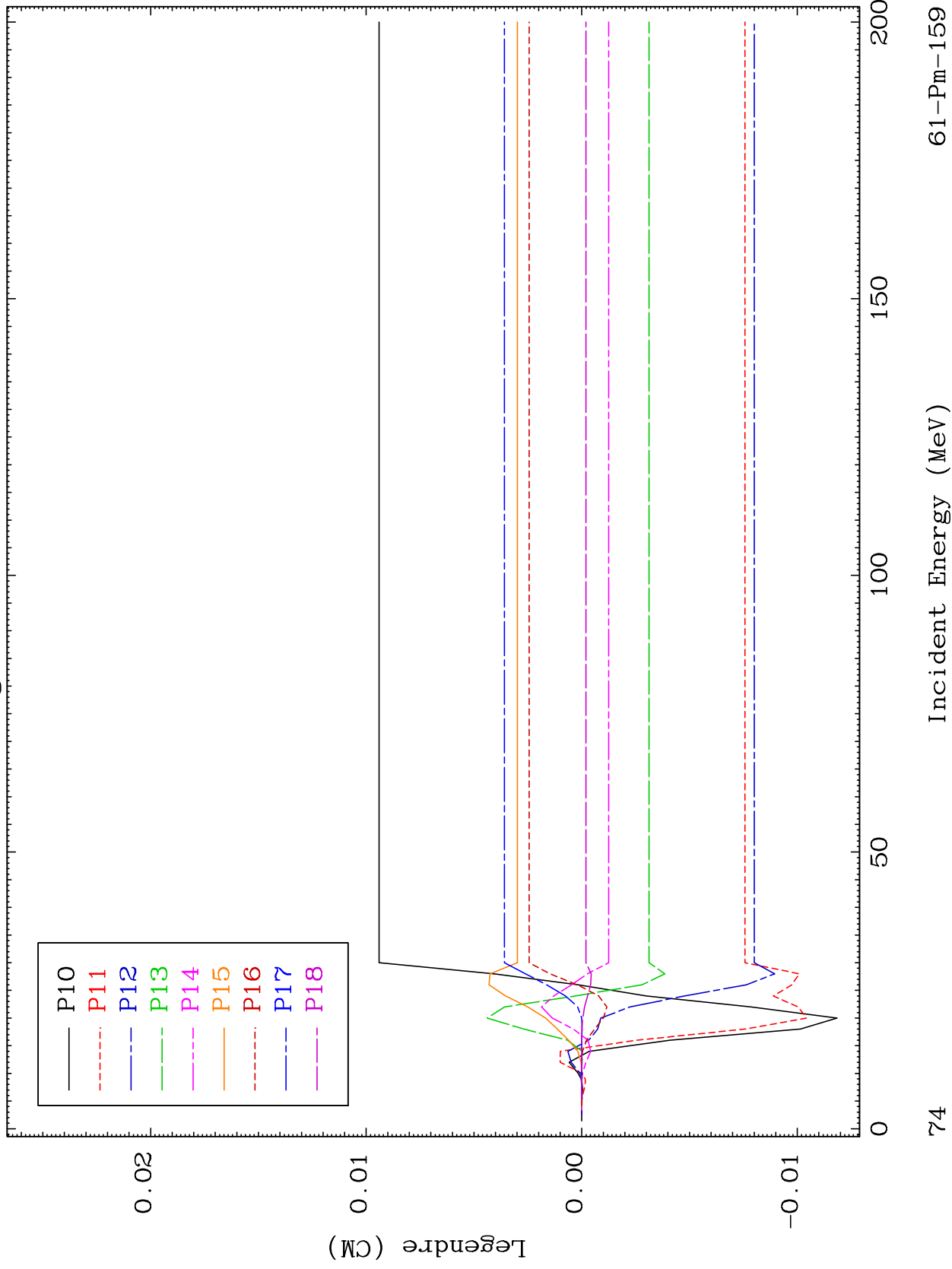
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



74

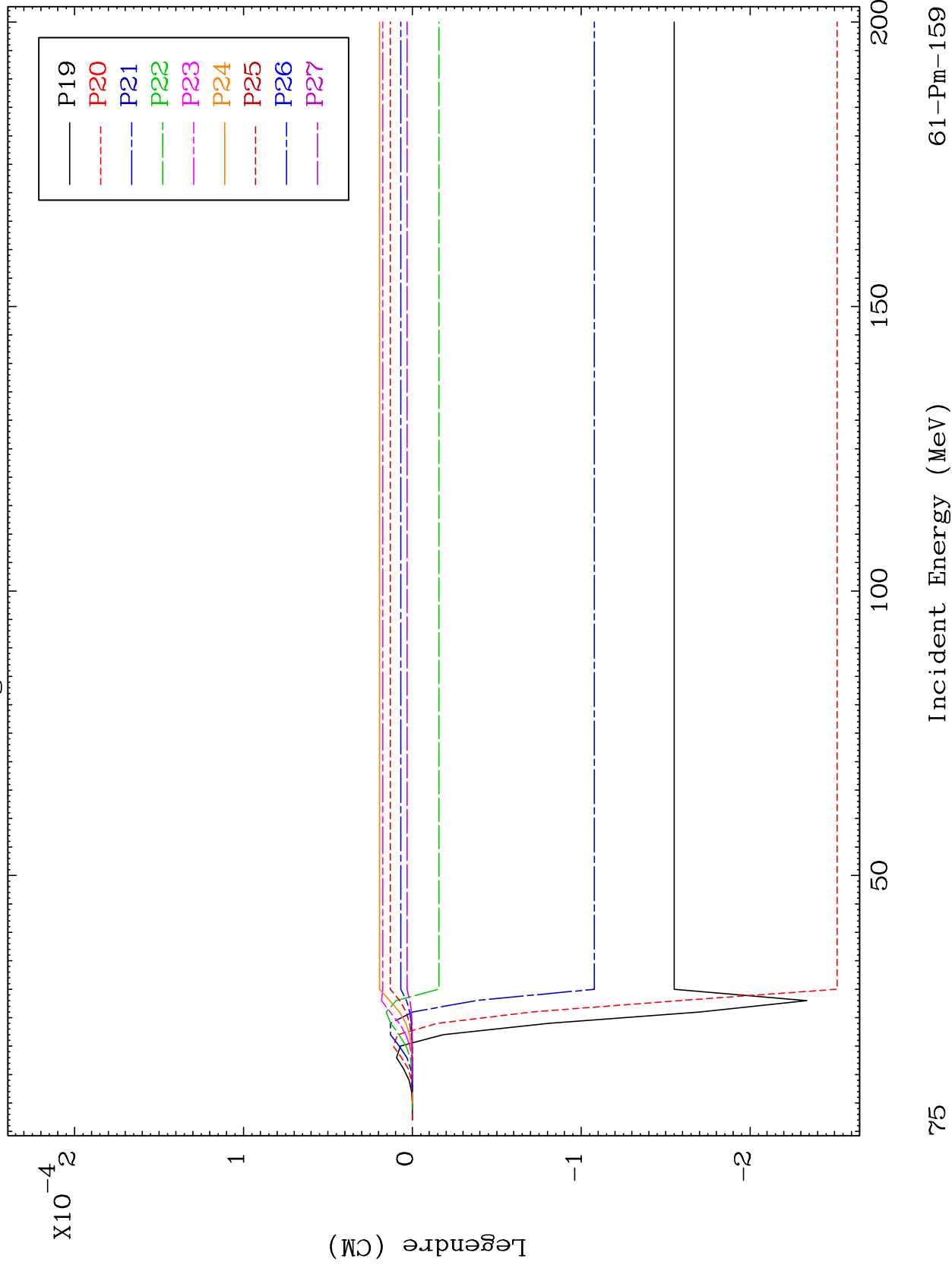
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



75

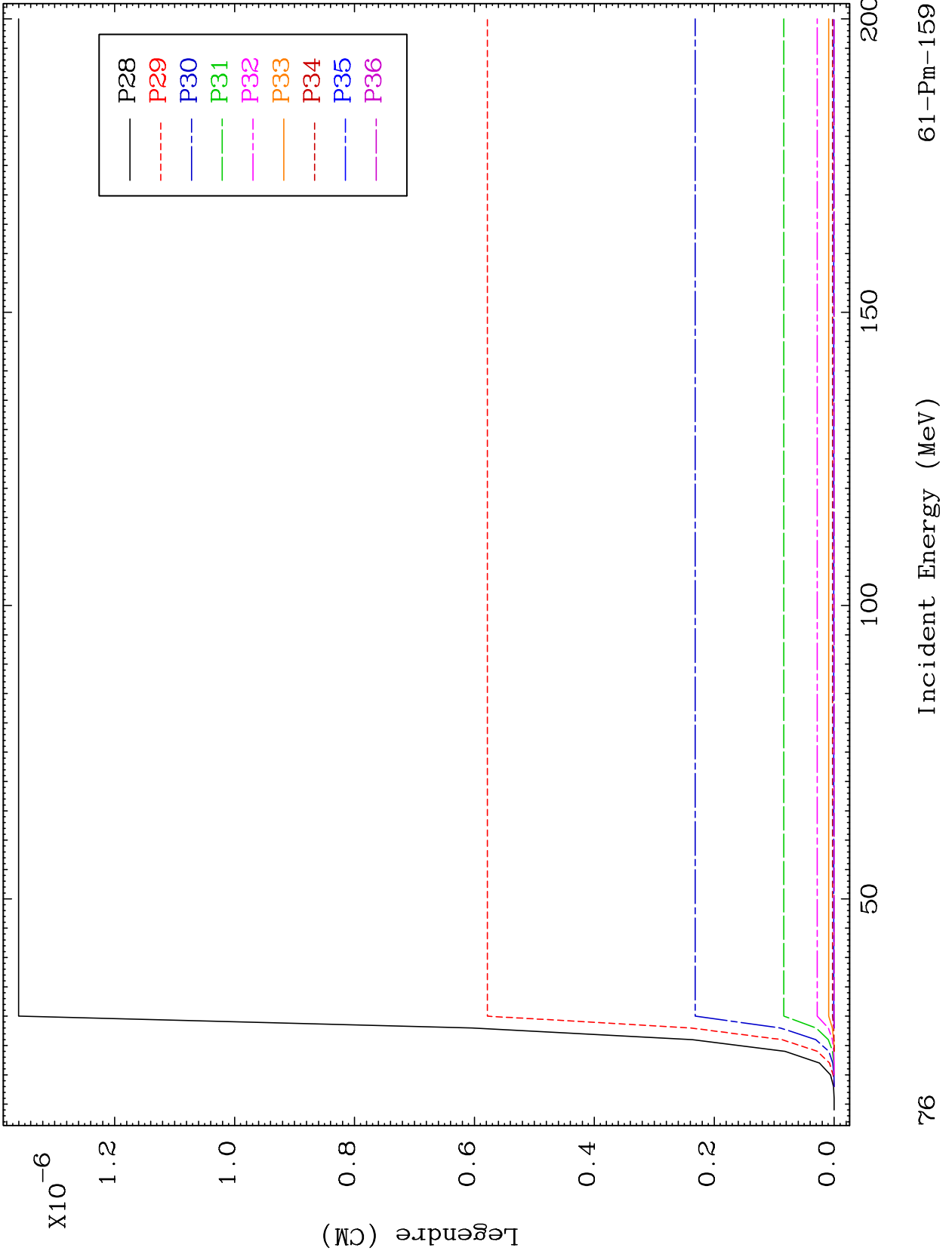
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

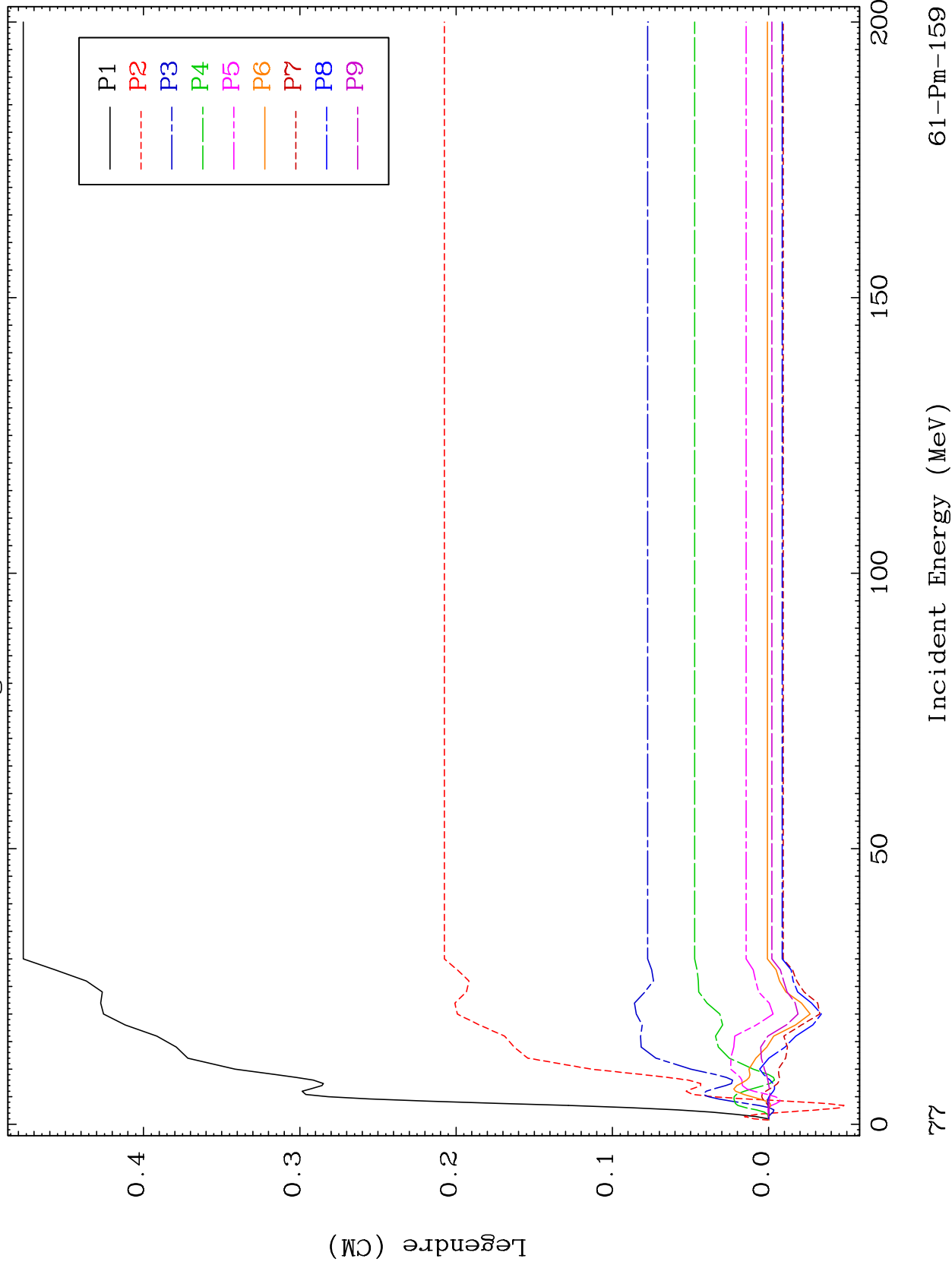
61-Pm-159



MAT 6185

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

61-Pm-159



77

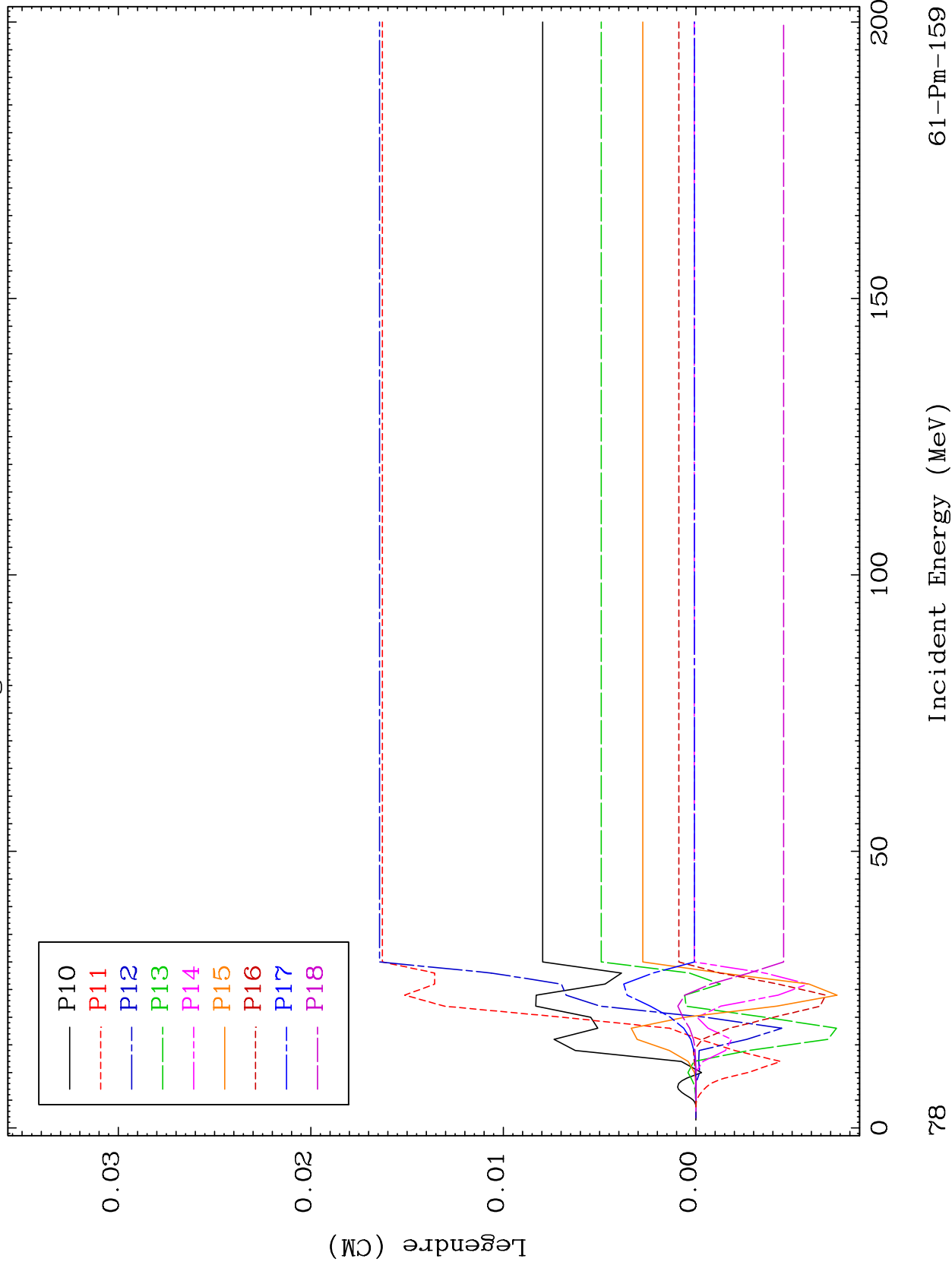
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



78

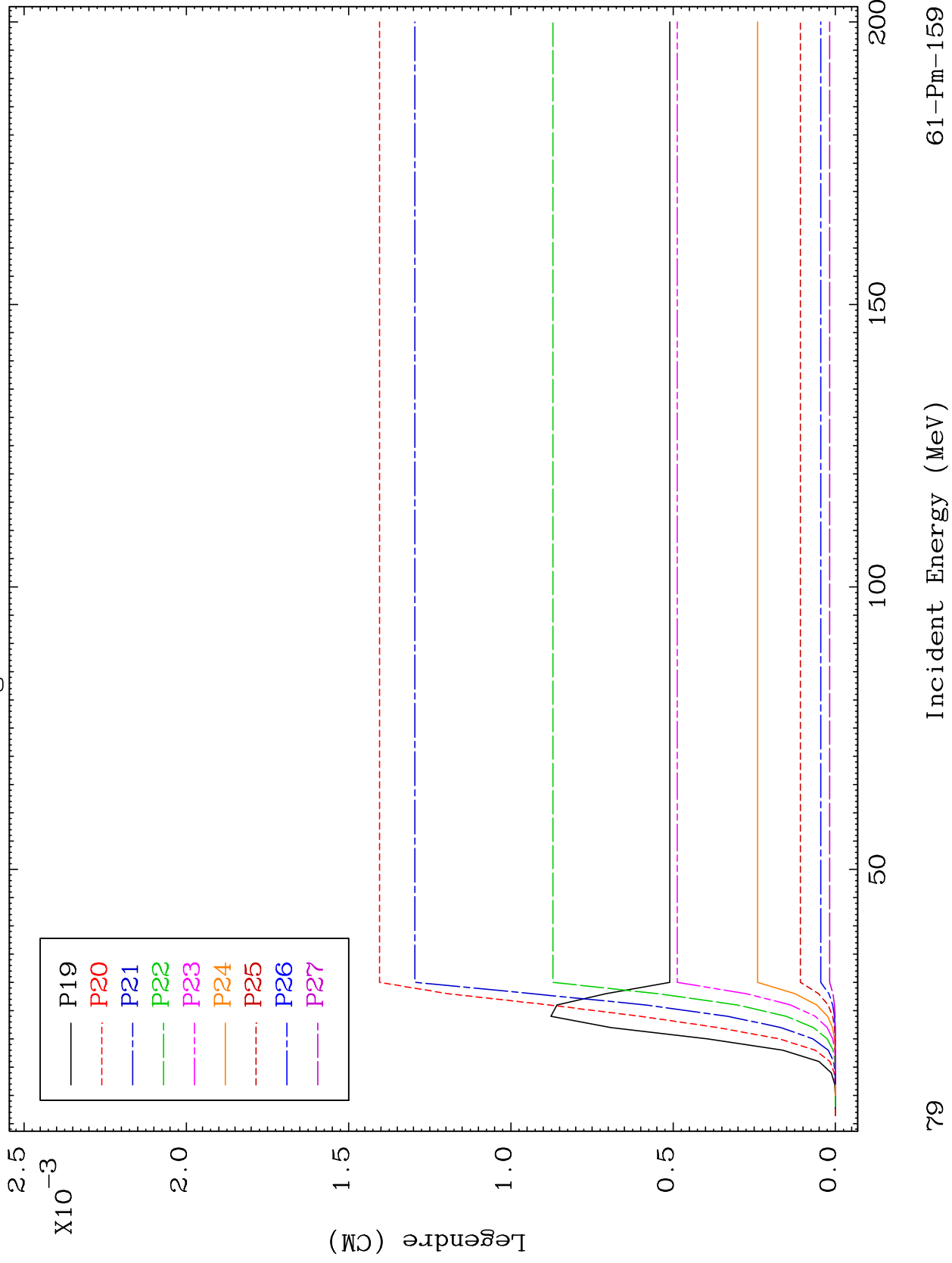
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



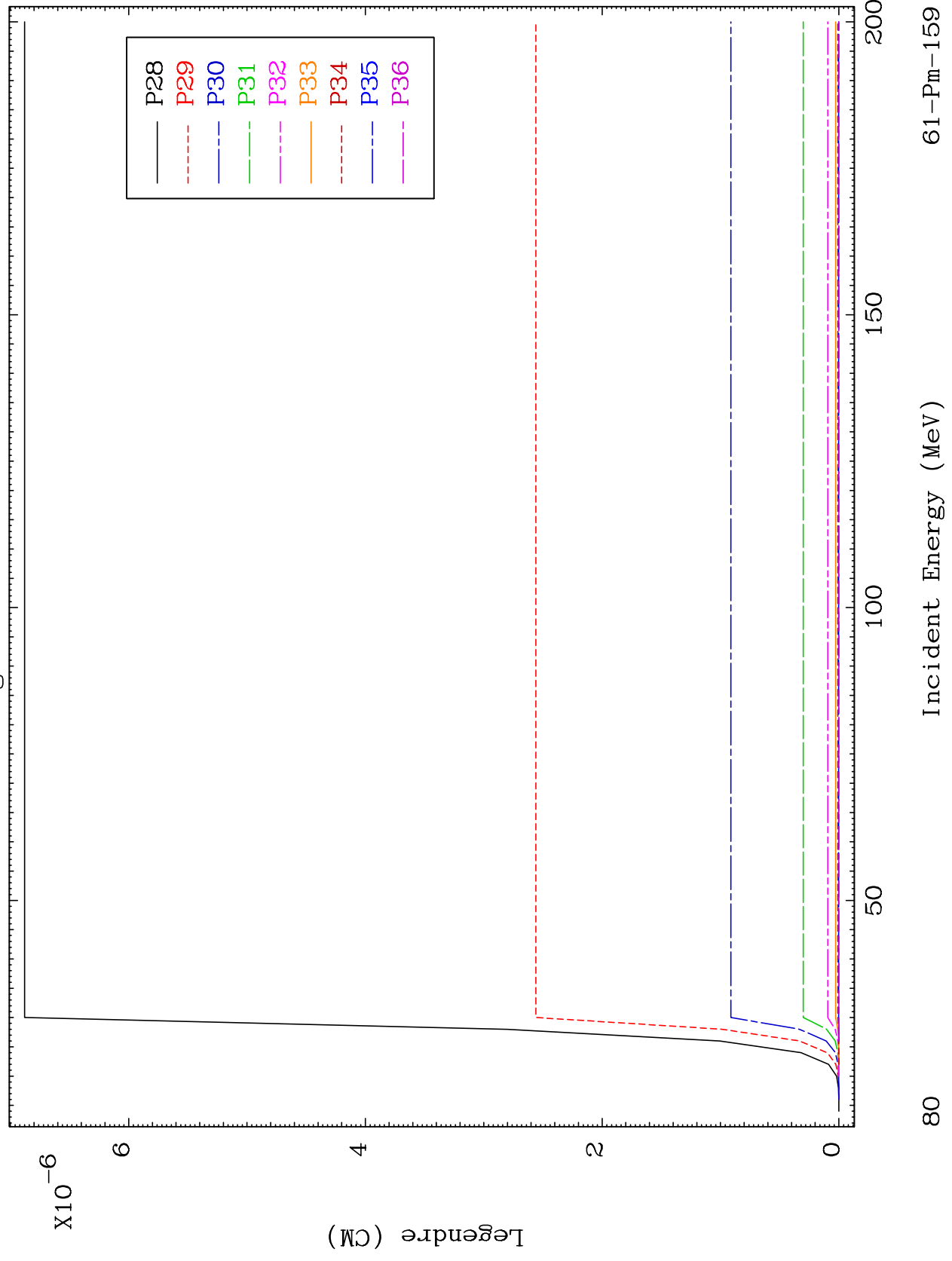
79

61-Pm-159

MAT 6185

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

61-Pm-159

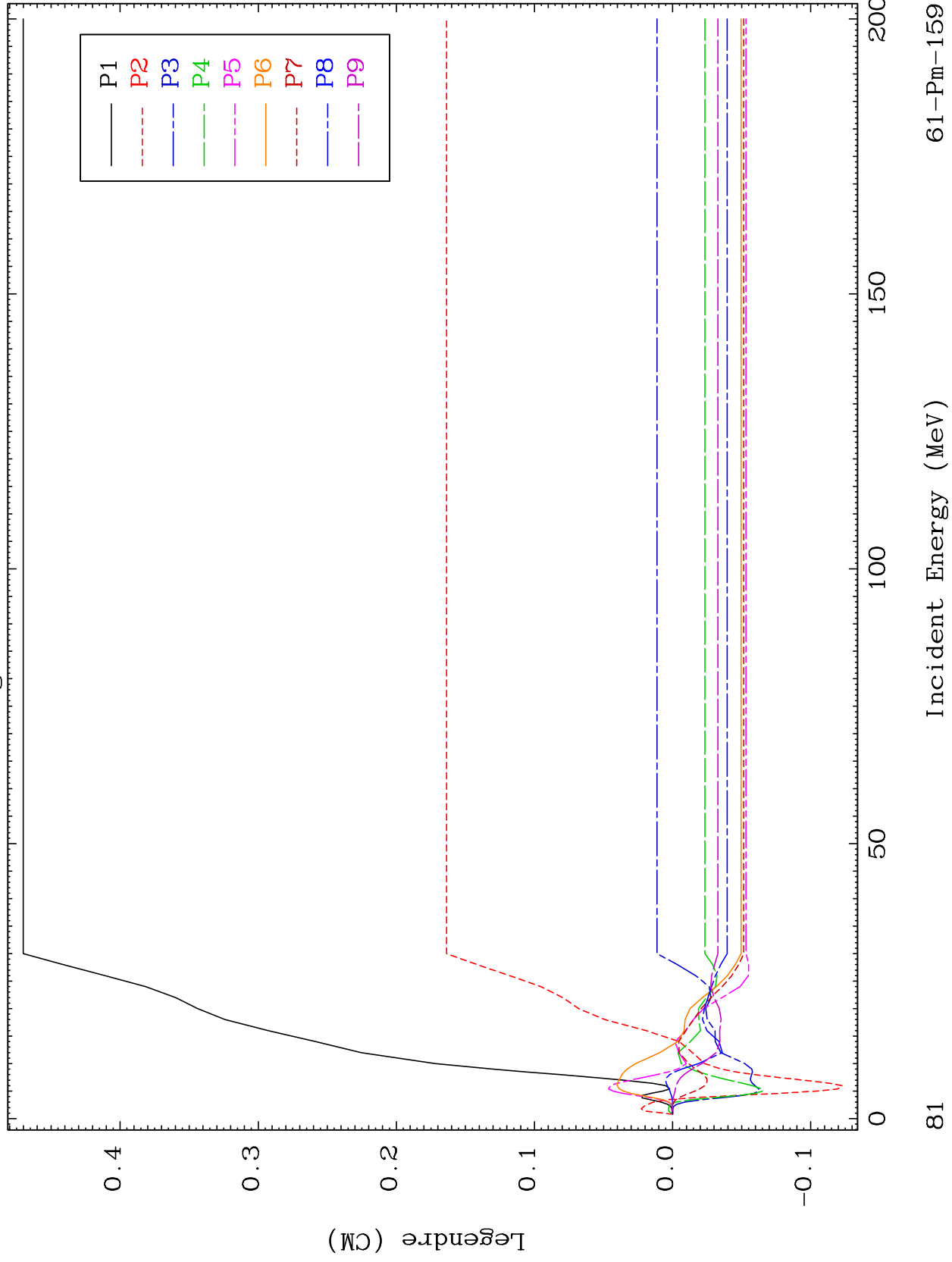


61-Pm-159

MAT 6185

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

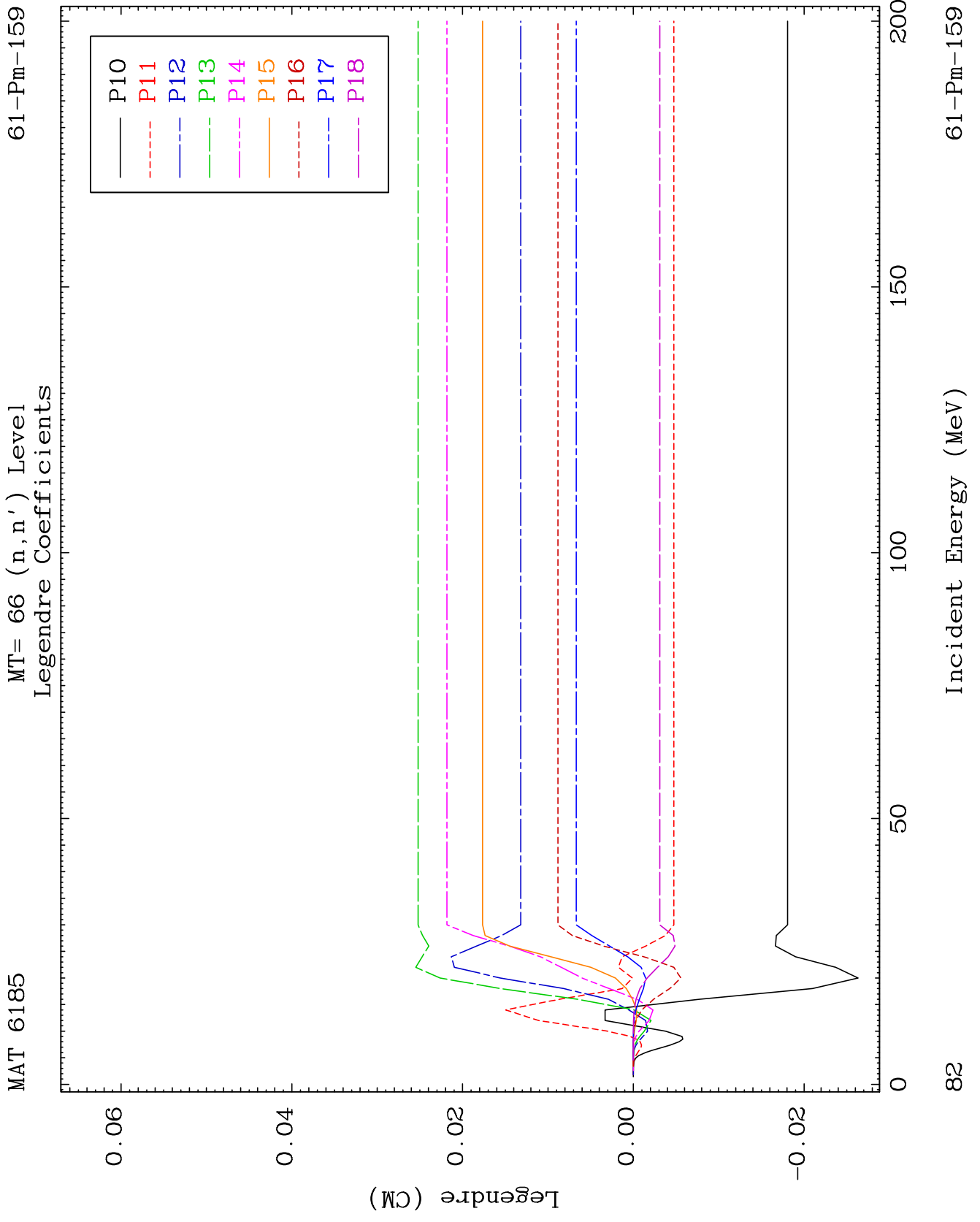
61-Pm-159



61-Pm-159

Incident Energy (MeV)

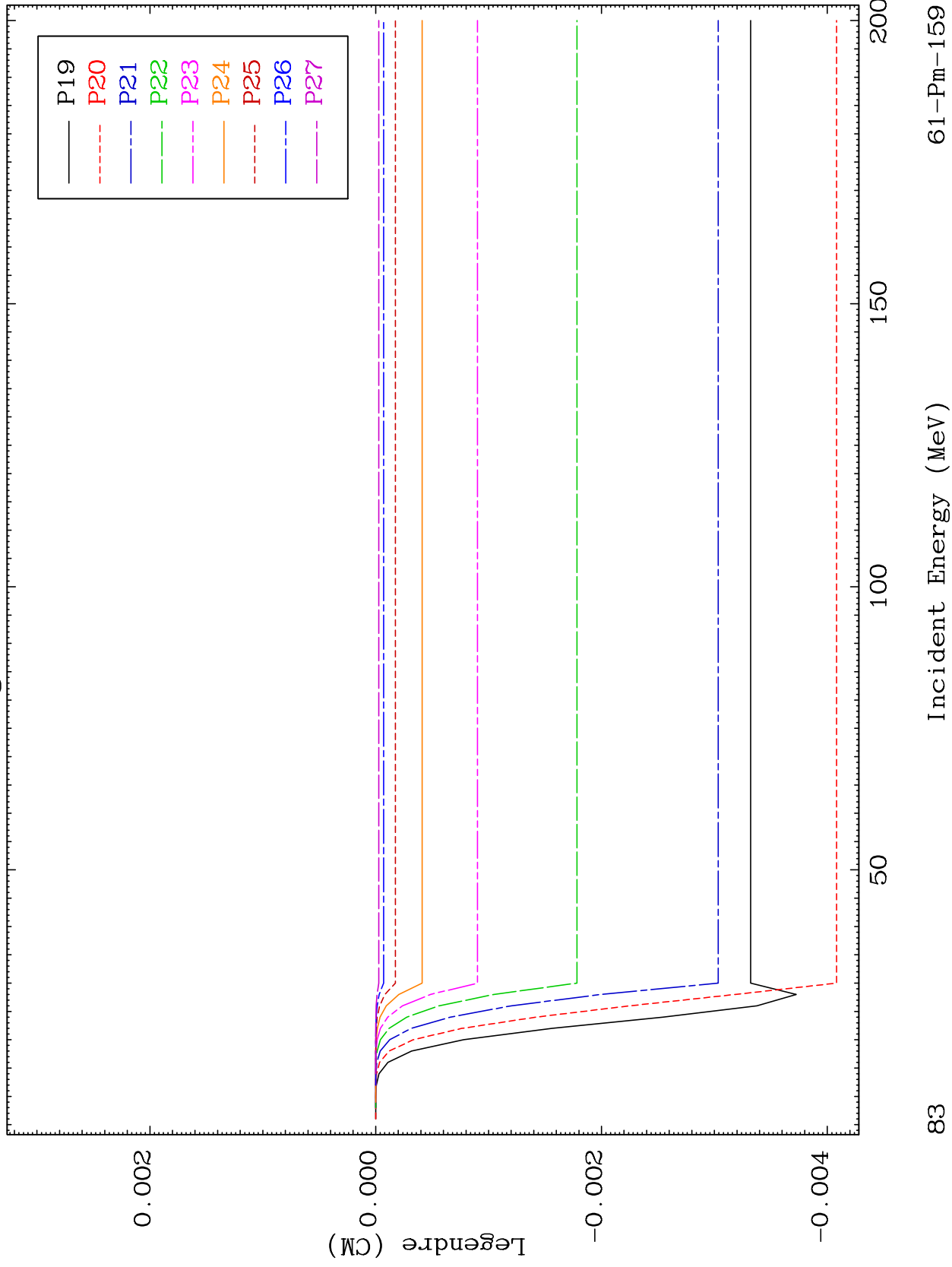
81



MAT 6185

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

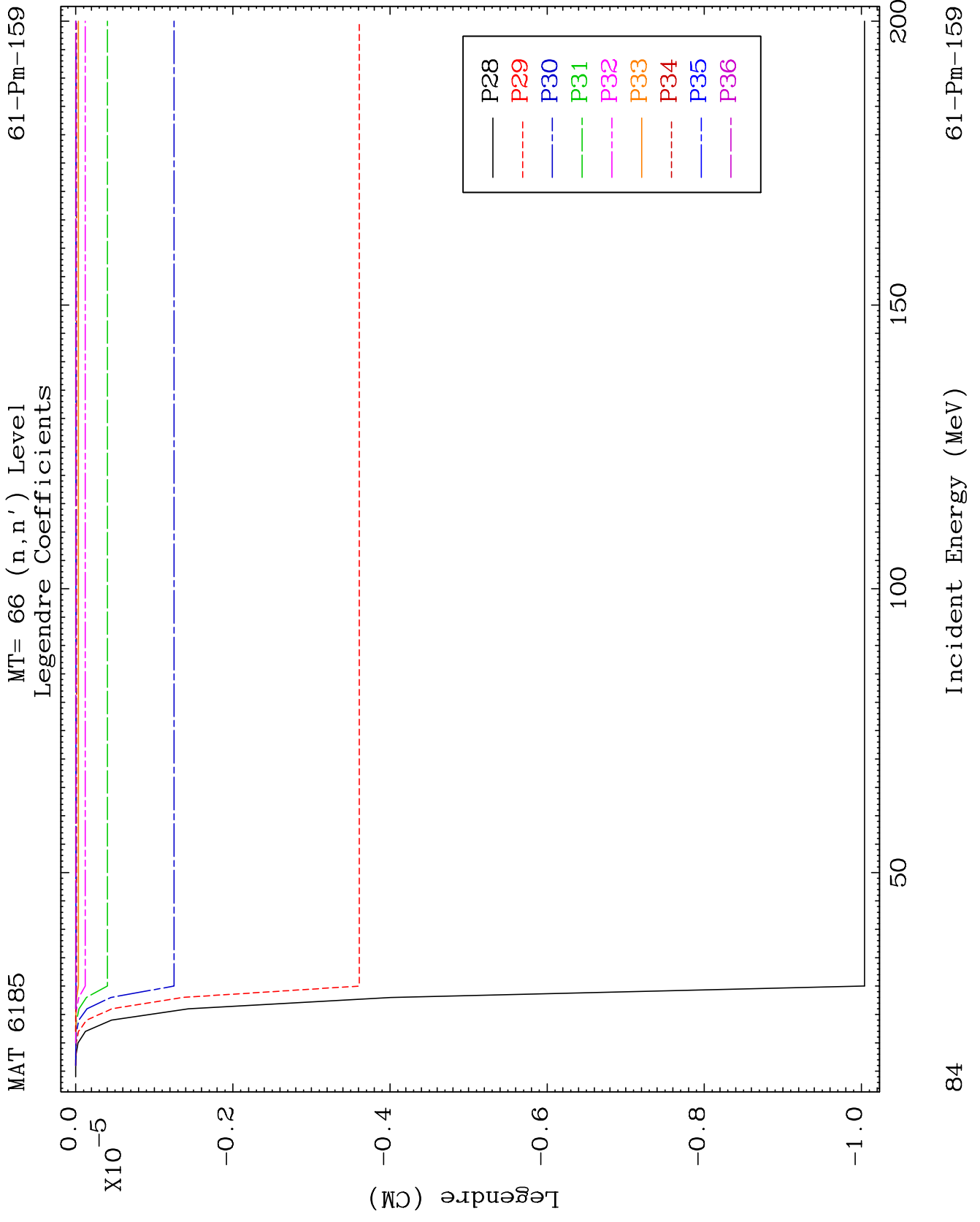
61-Pm-159



83

Incident Energy (MeV)

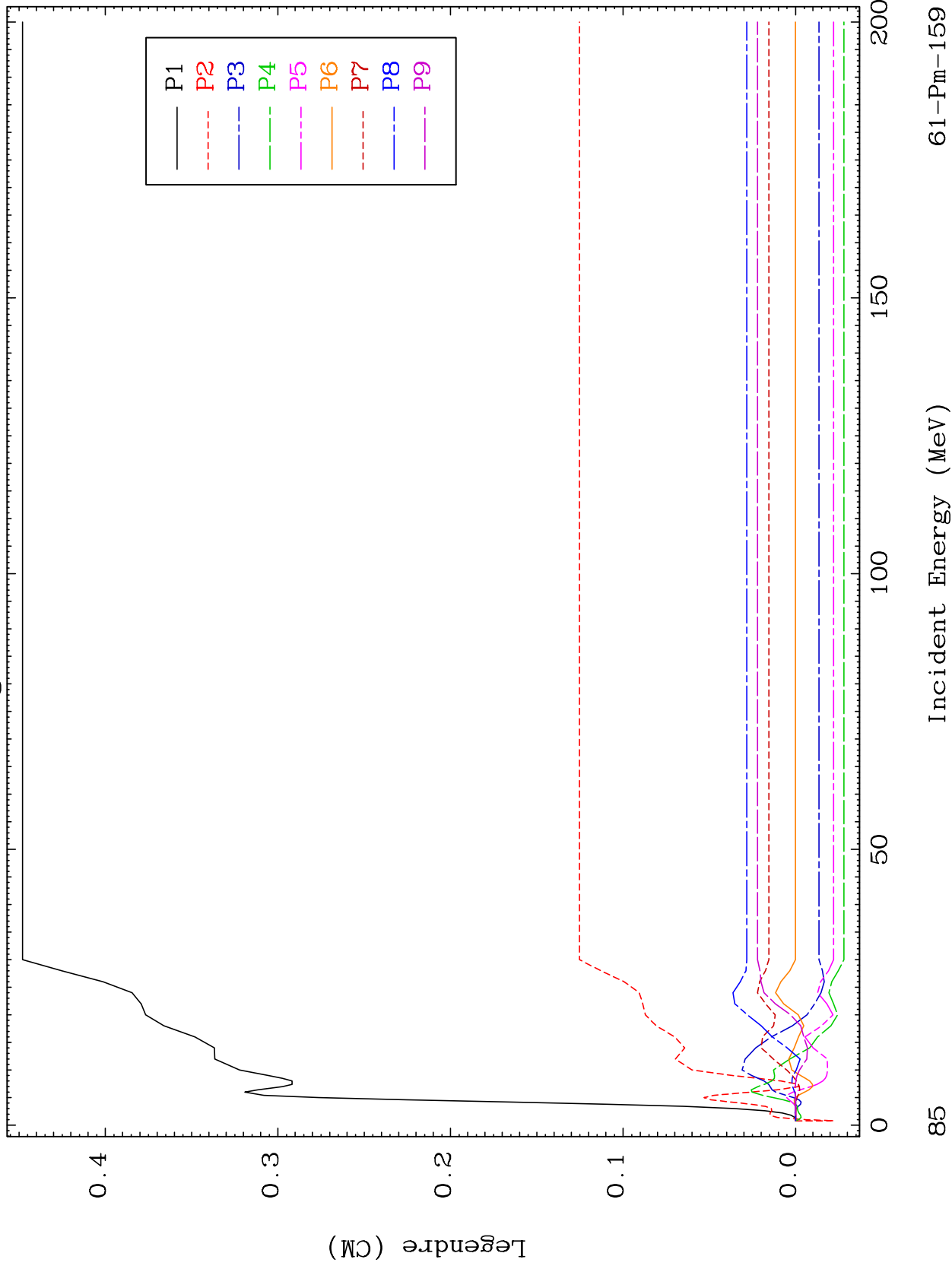
61-Pm-159



MAT 6185

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

61-Pm-159



61-Pm-159

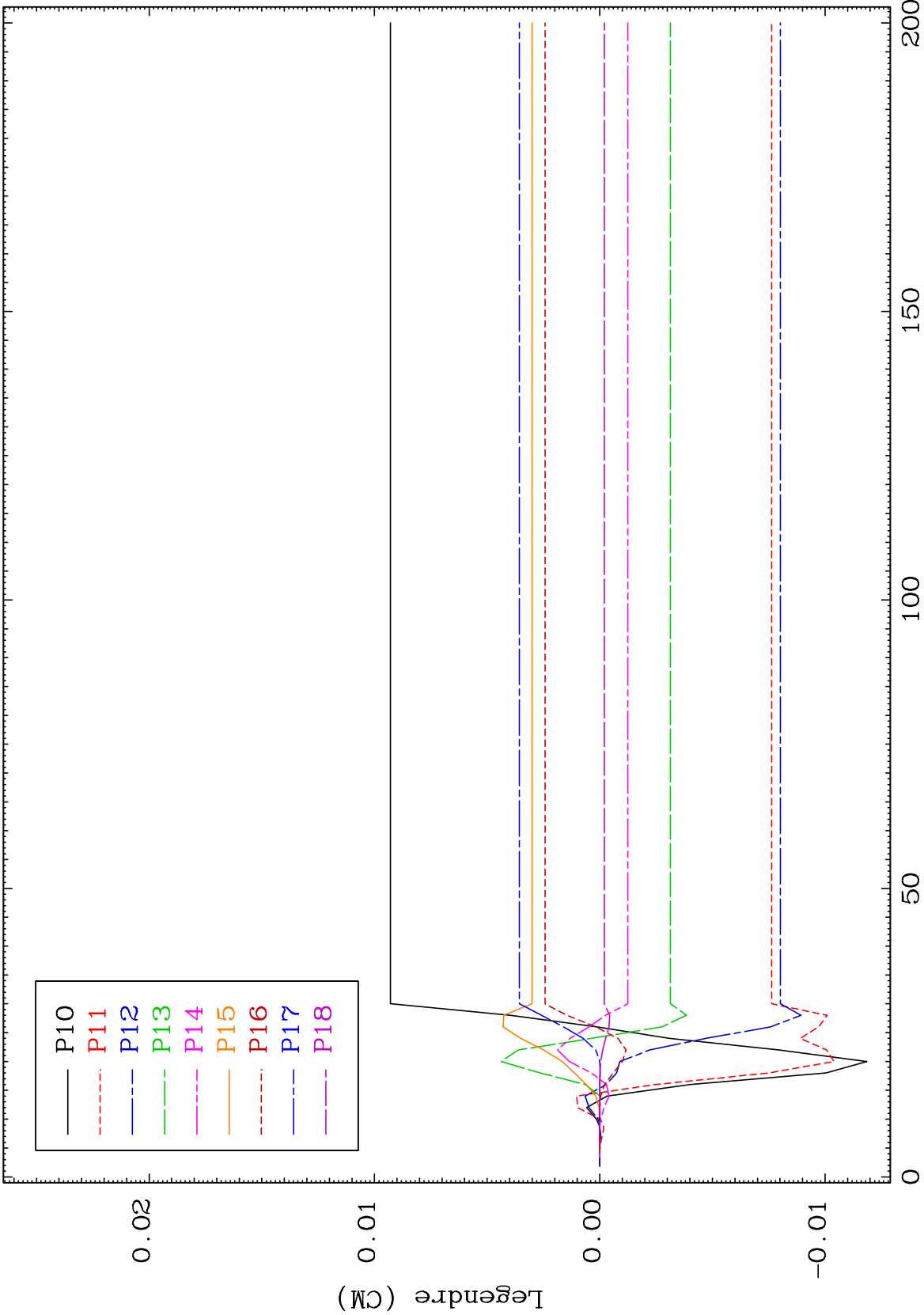
Incident Energy (MeV)

85

MAT 6185

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

61-Pm-159



86

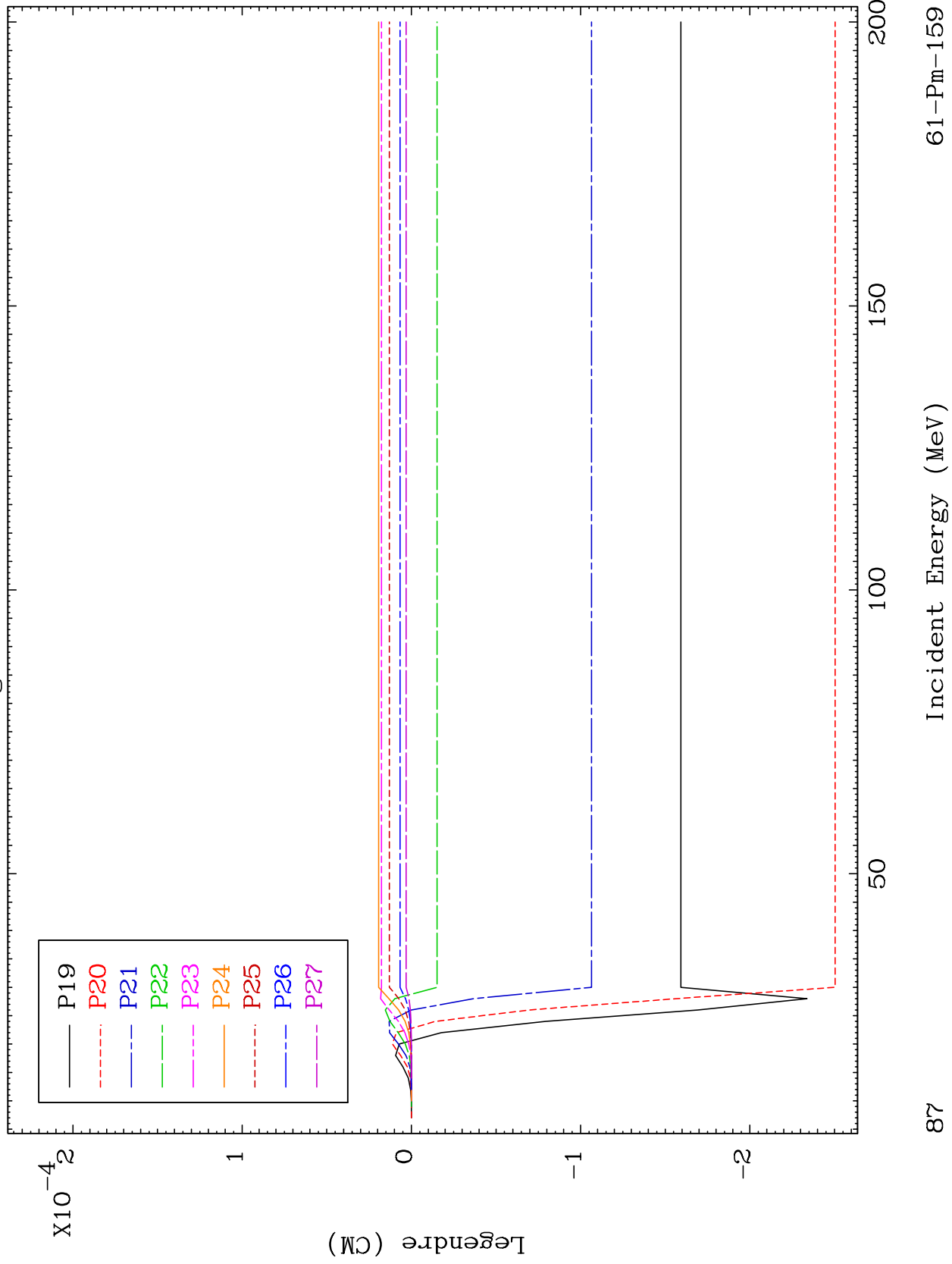
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



87

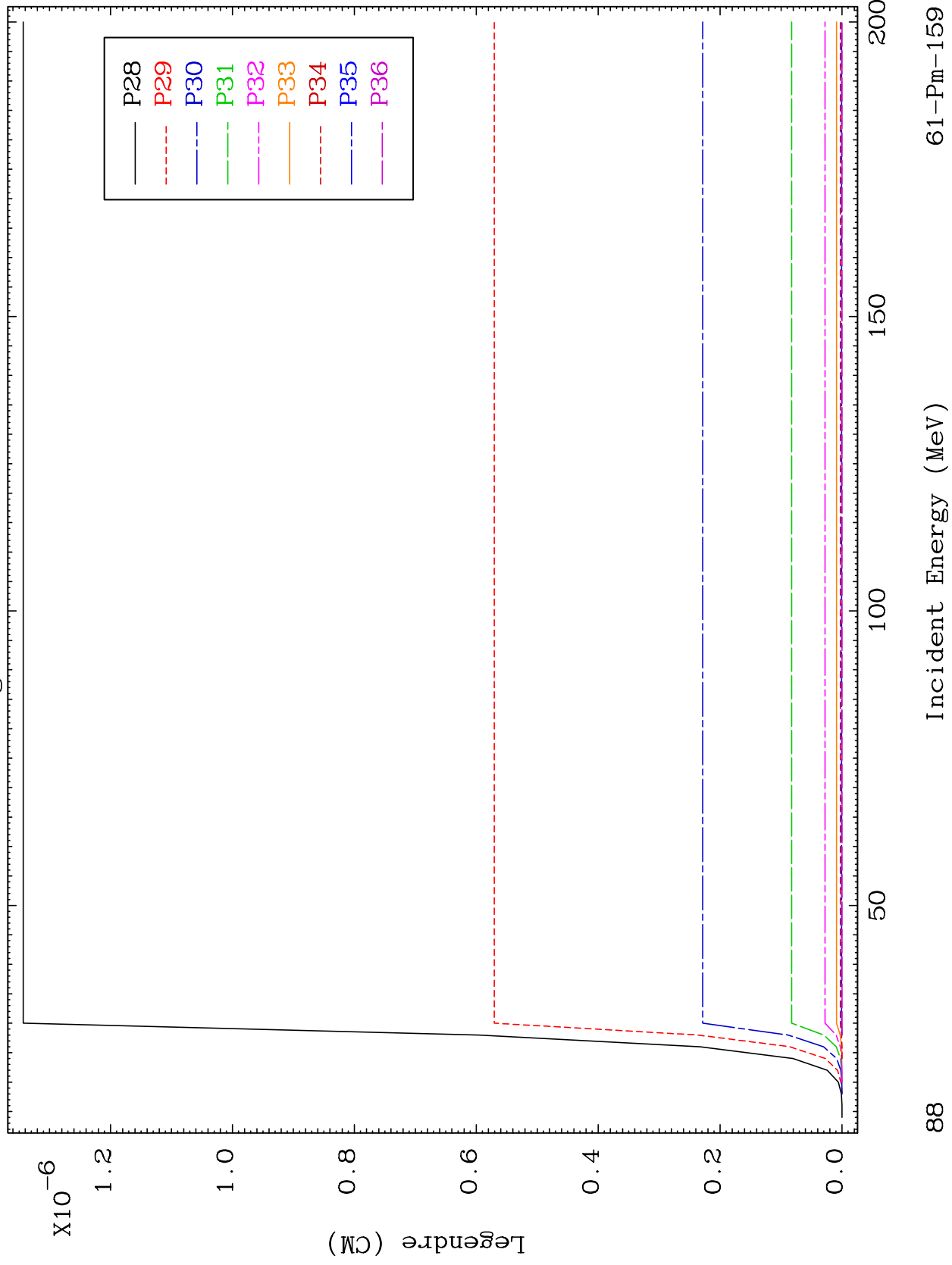
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



88

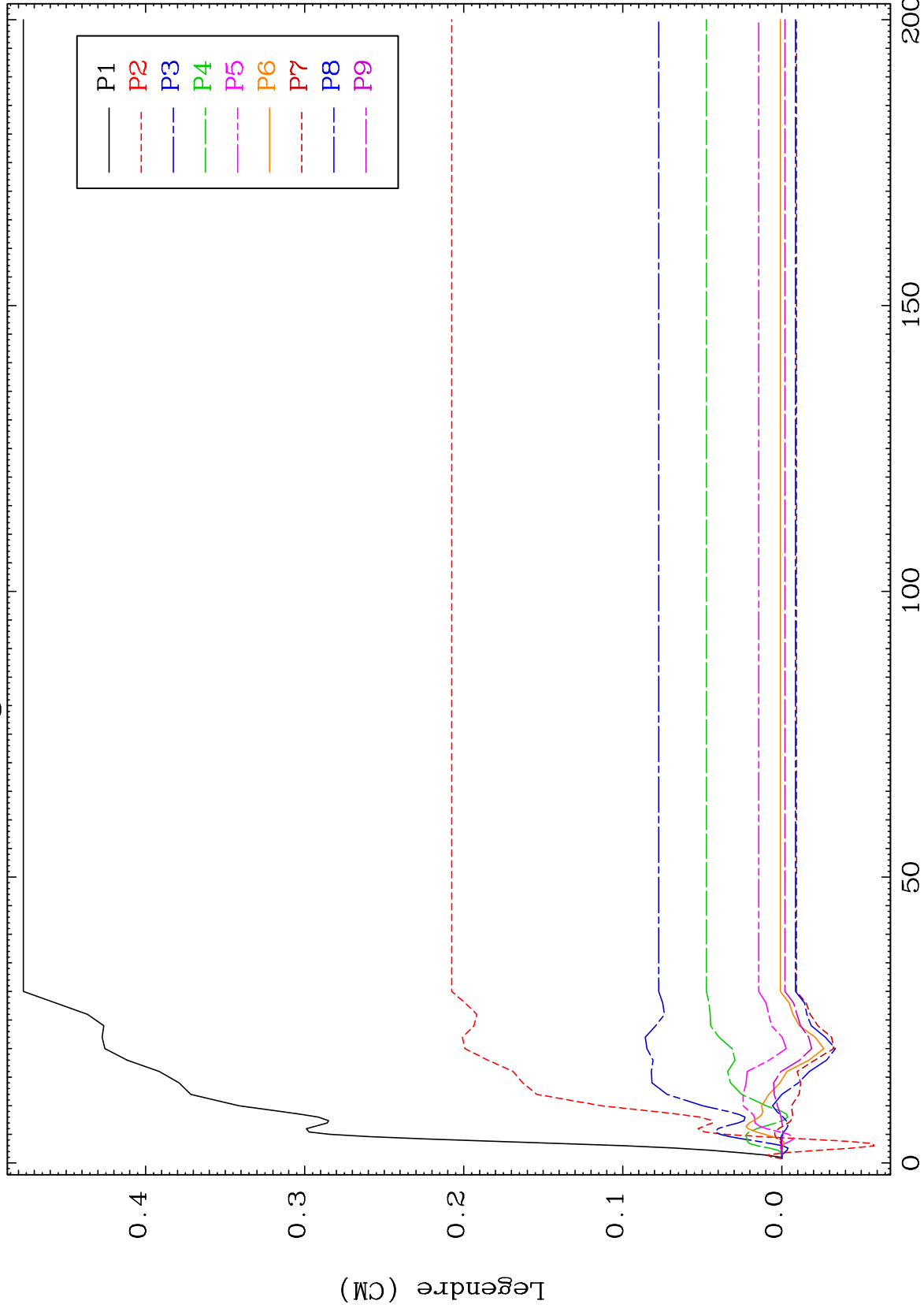
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



89

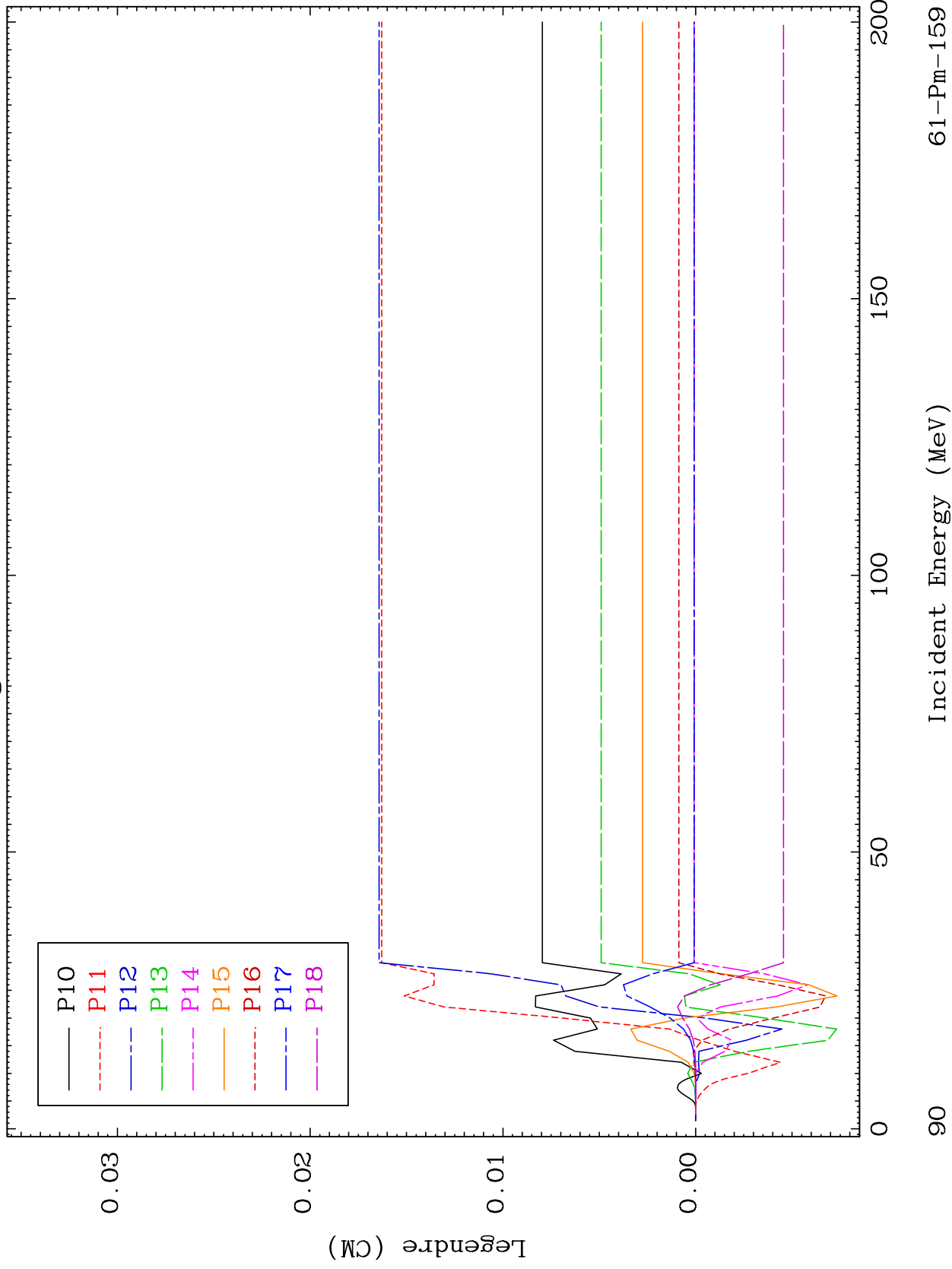
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



61-Pm-159

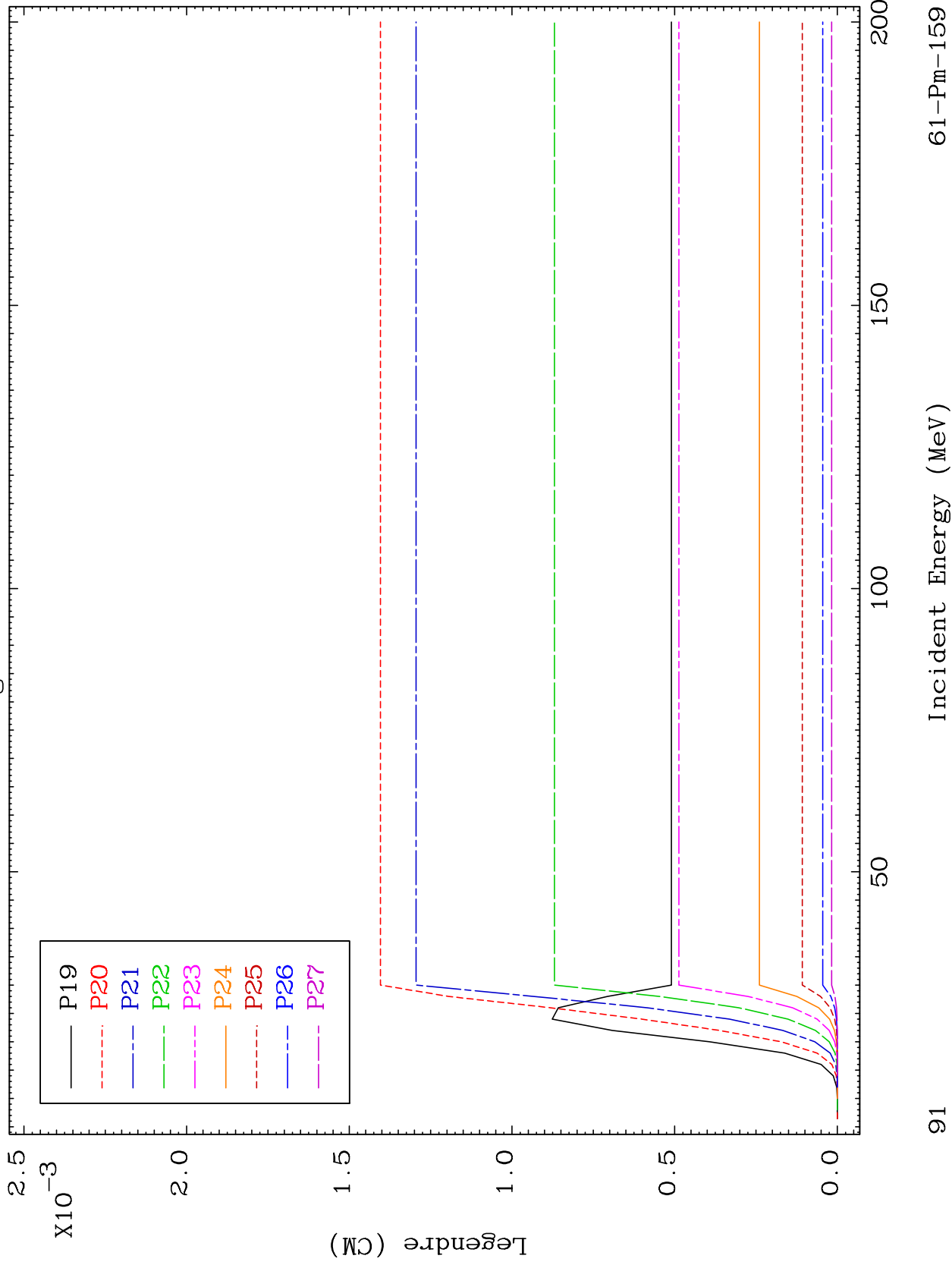
Incident Energy (MeV)

90

MAT 6185

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

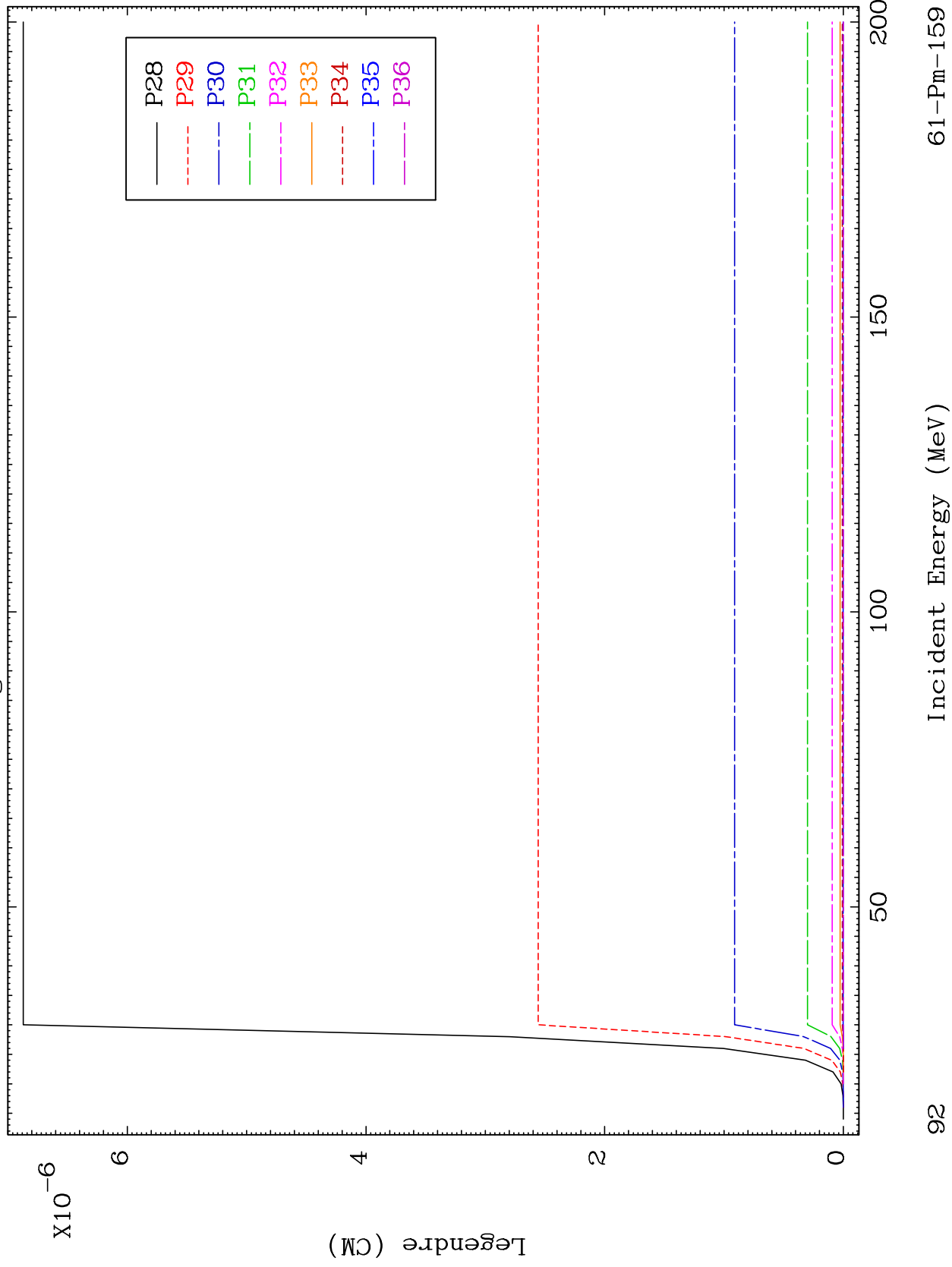
61-Pm-159



MAT 6185

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

61-Pm-159

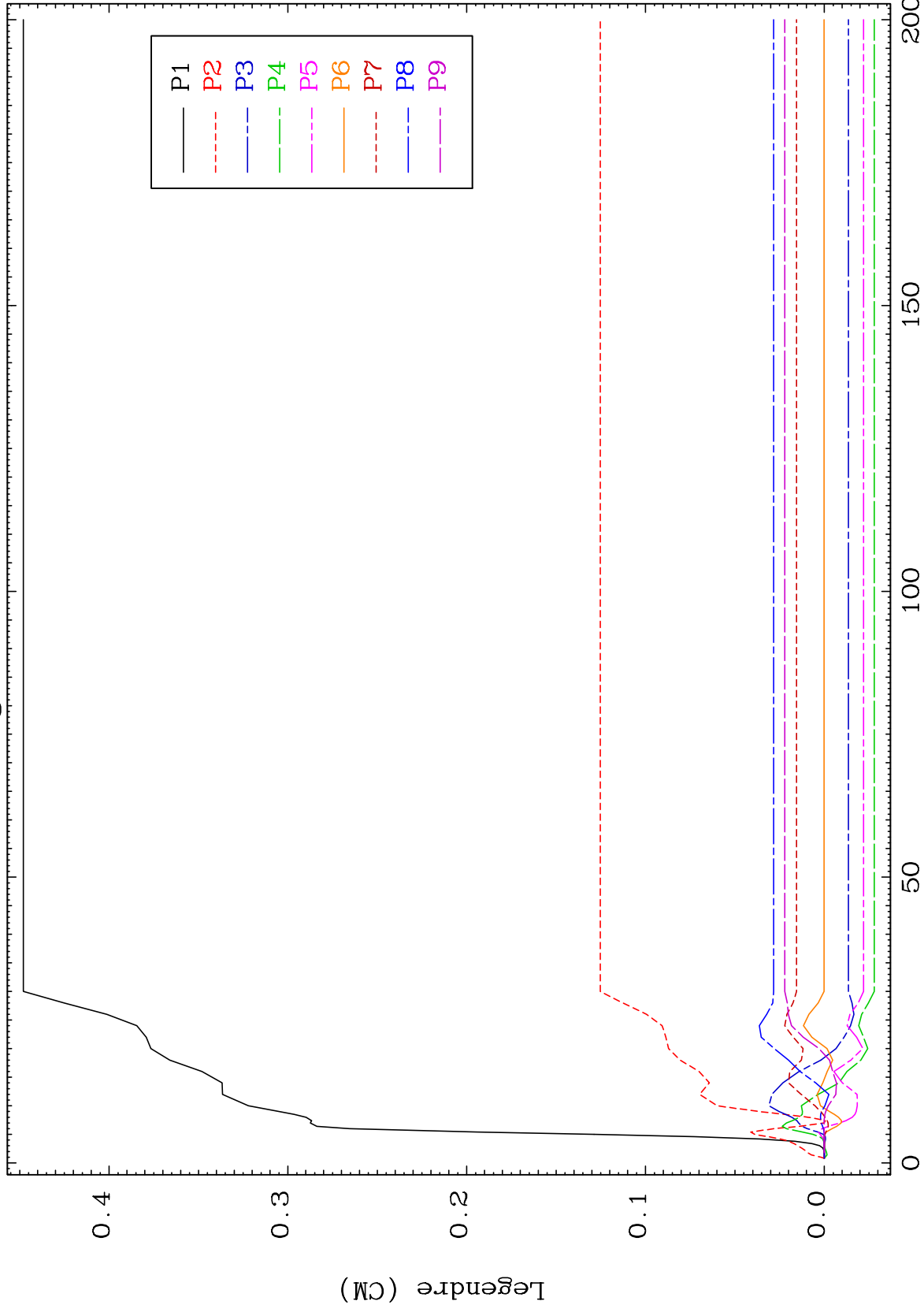


92

MAT 6185

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

61-Pm-159



93

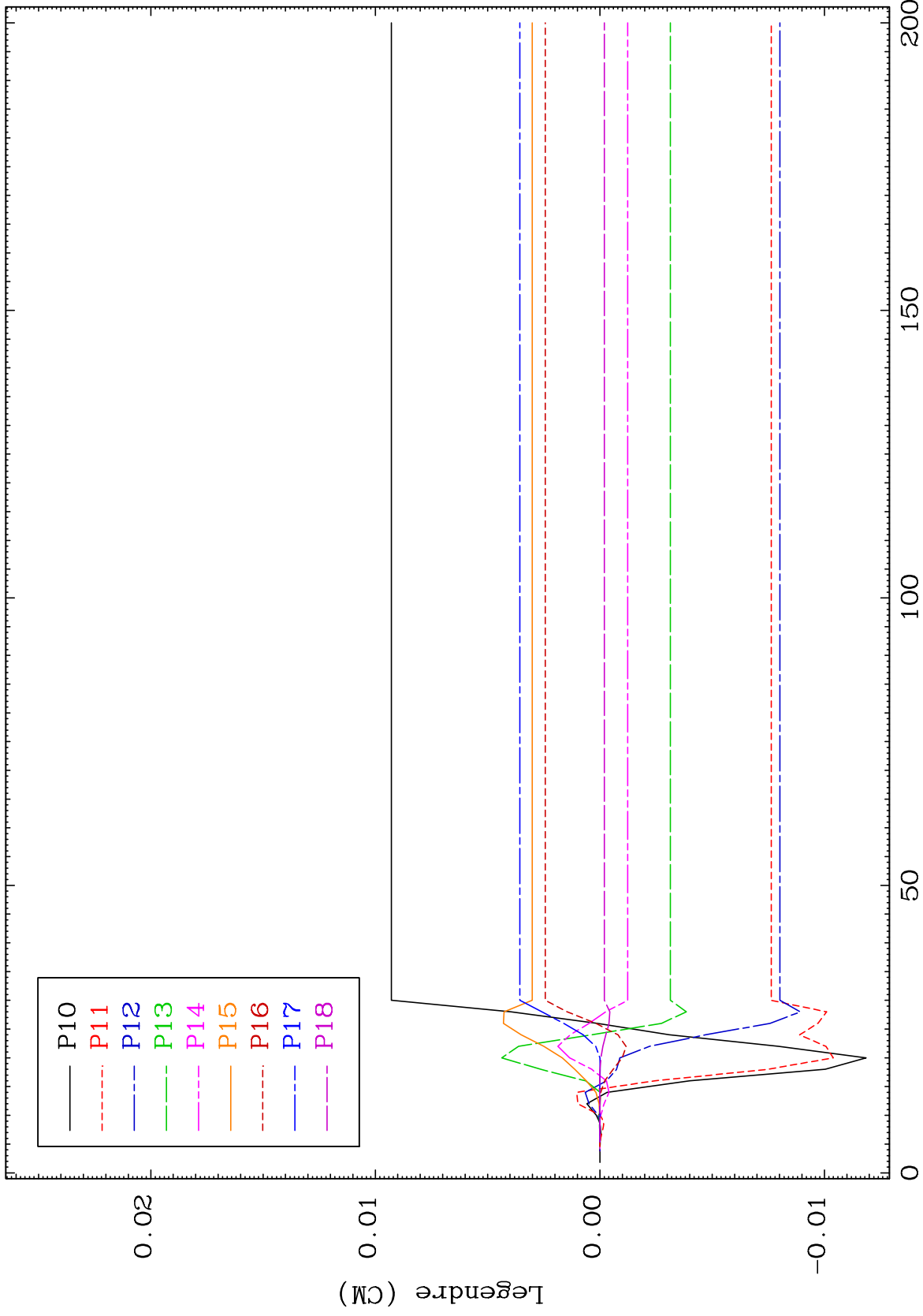
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



94

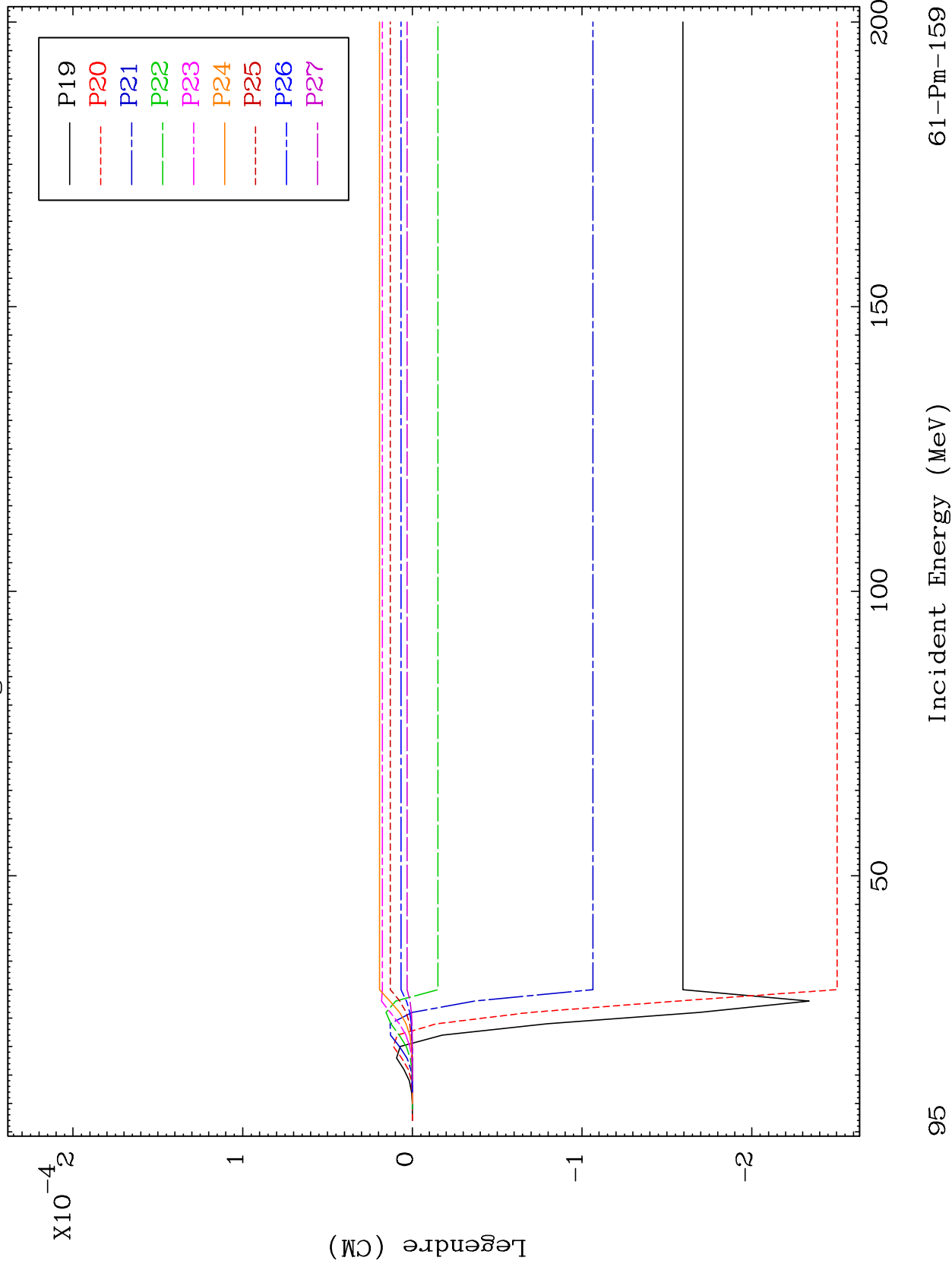
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

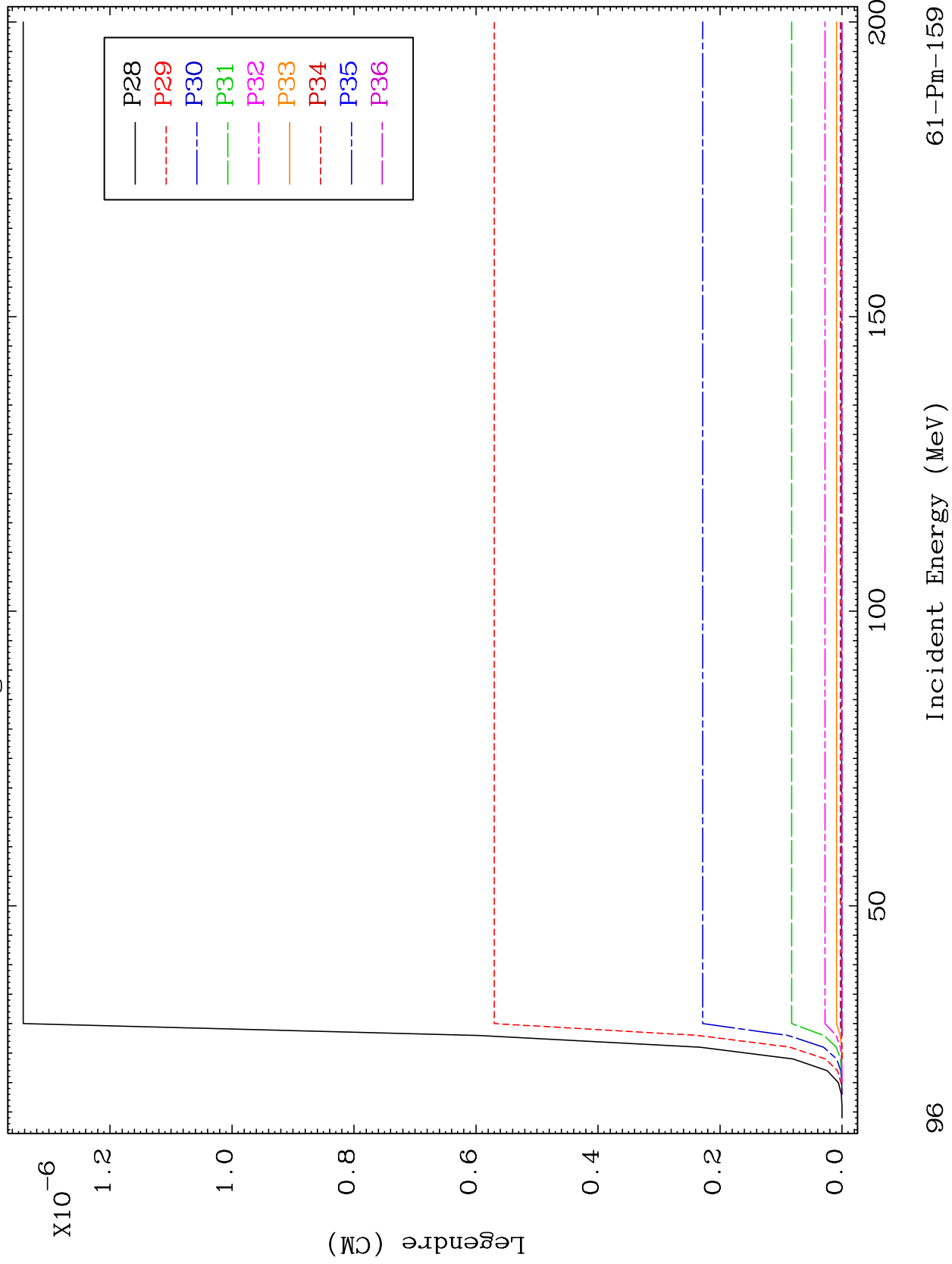
61-Pm-159



MAT 6185

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

61-Pm-159

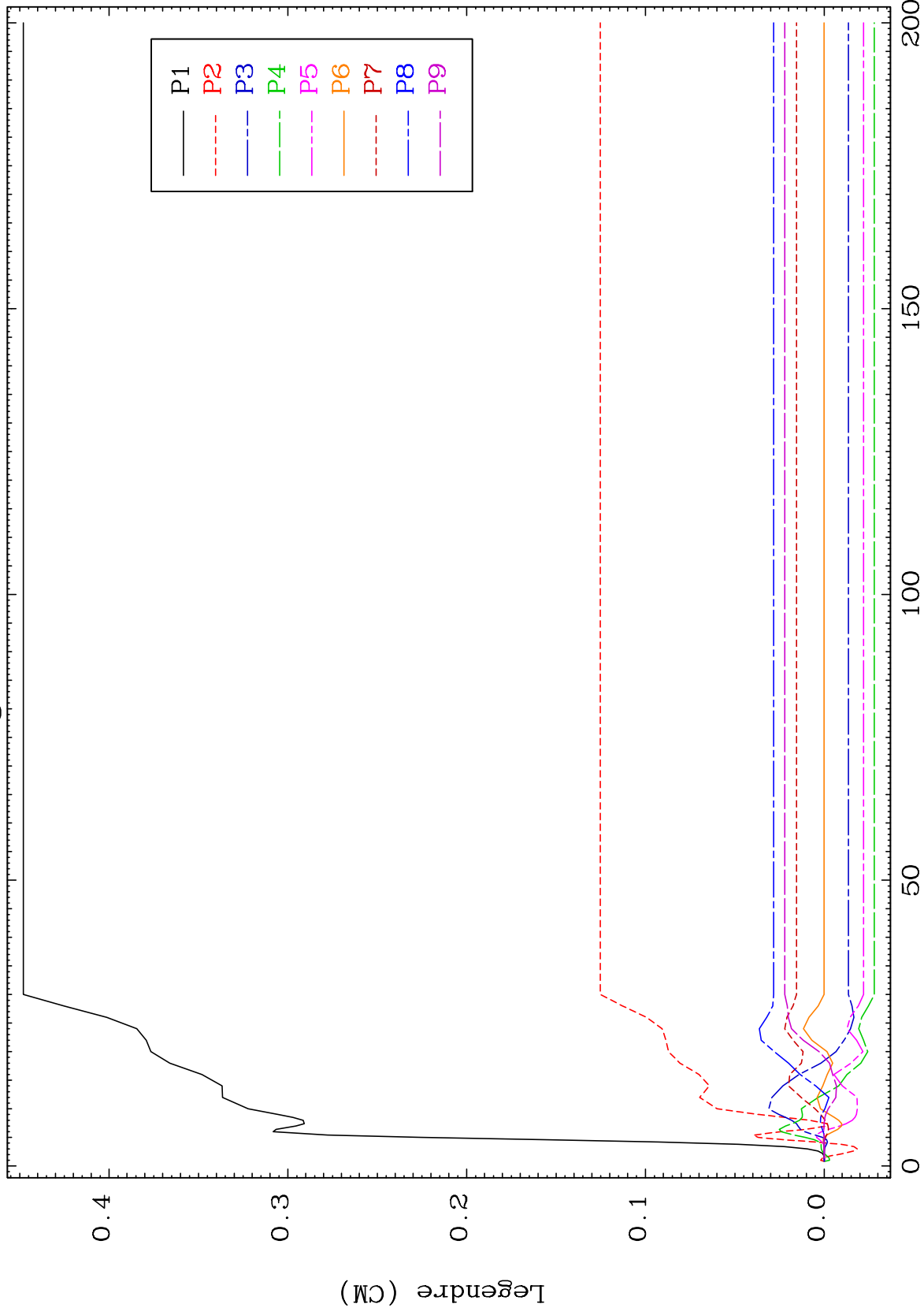


96

MAT 6185

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

61-Pm-159



97

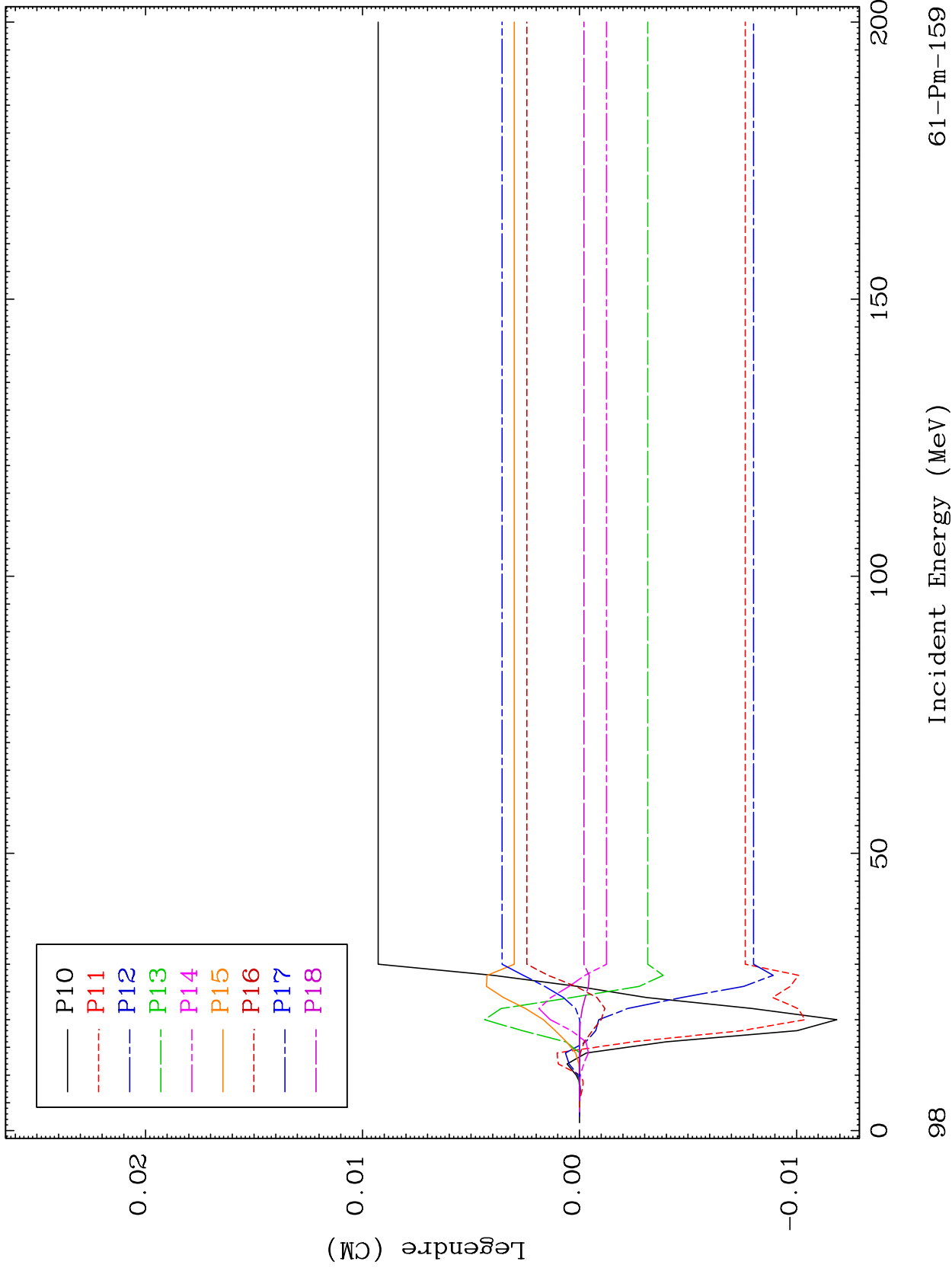
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



98

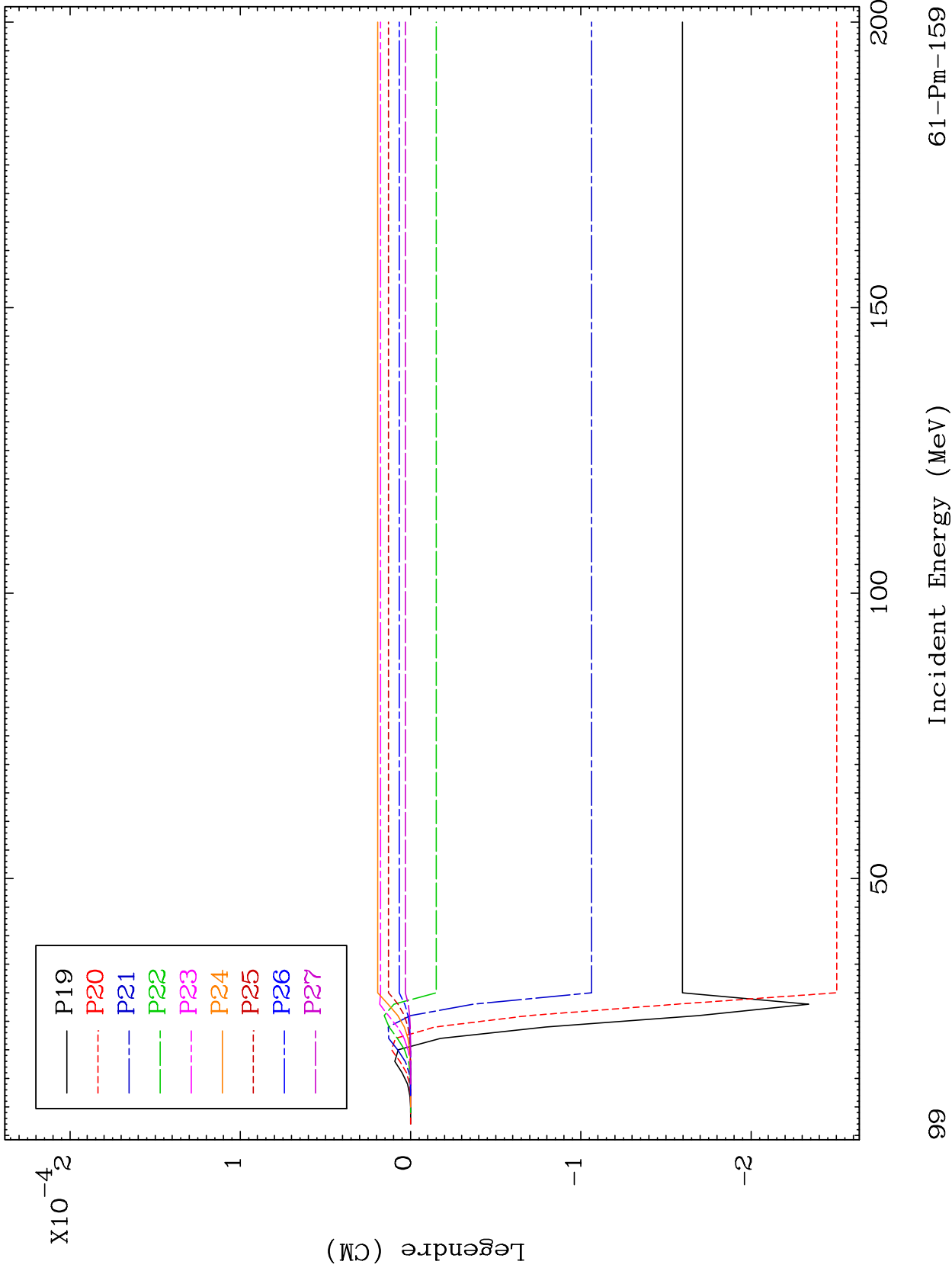
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



99

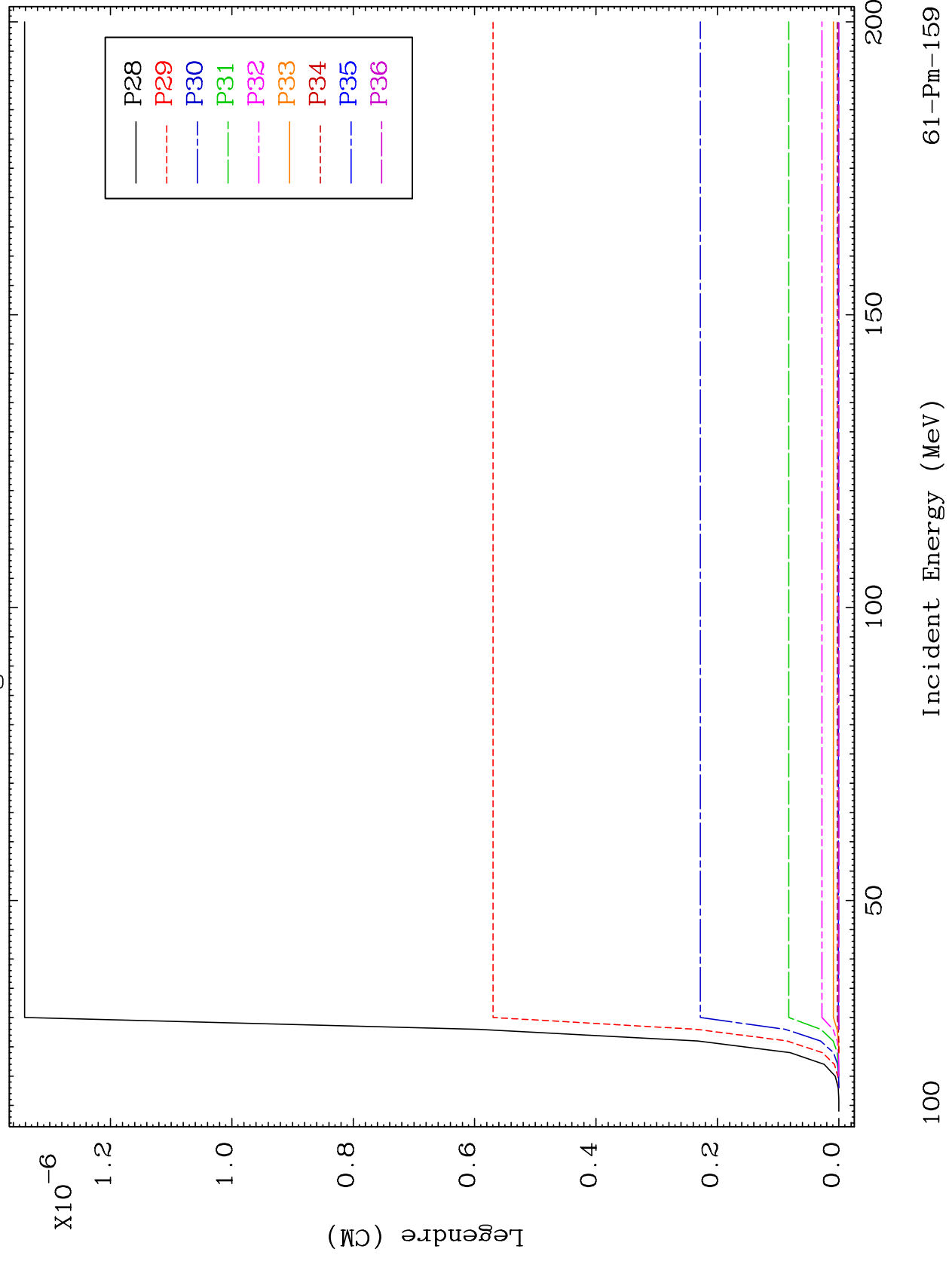
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

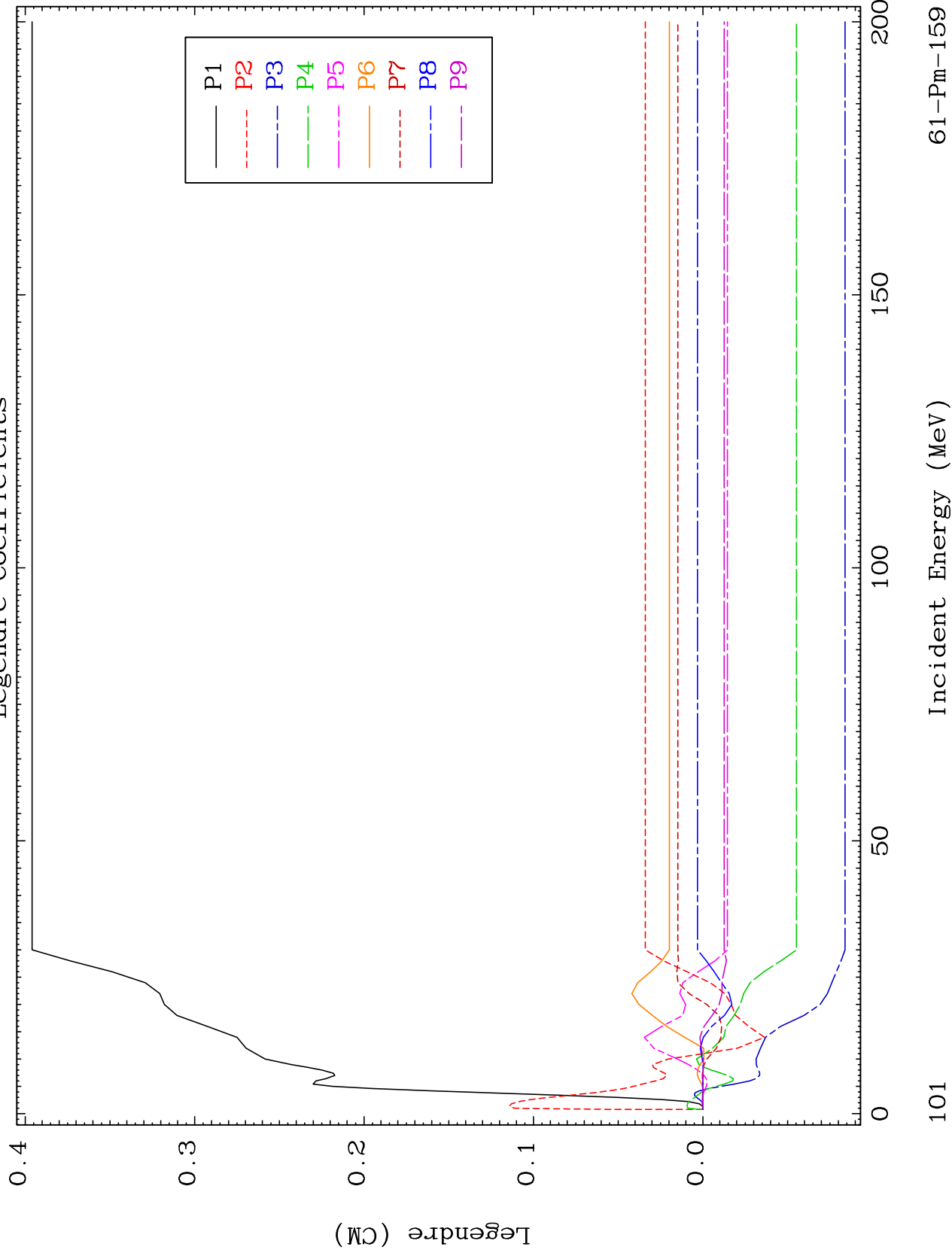
61-Pm-159



MAT 6185

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

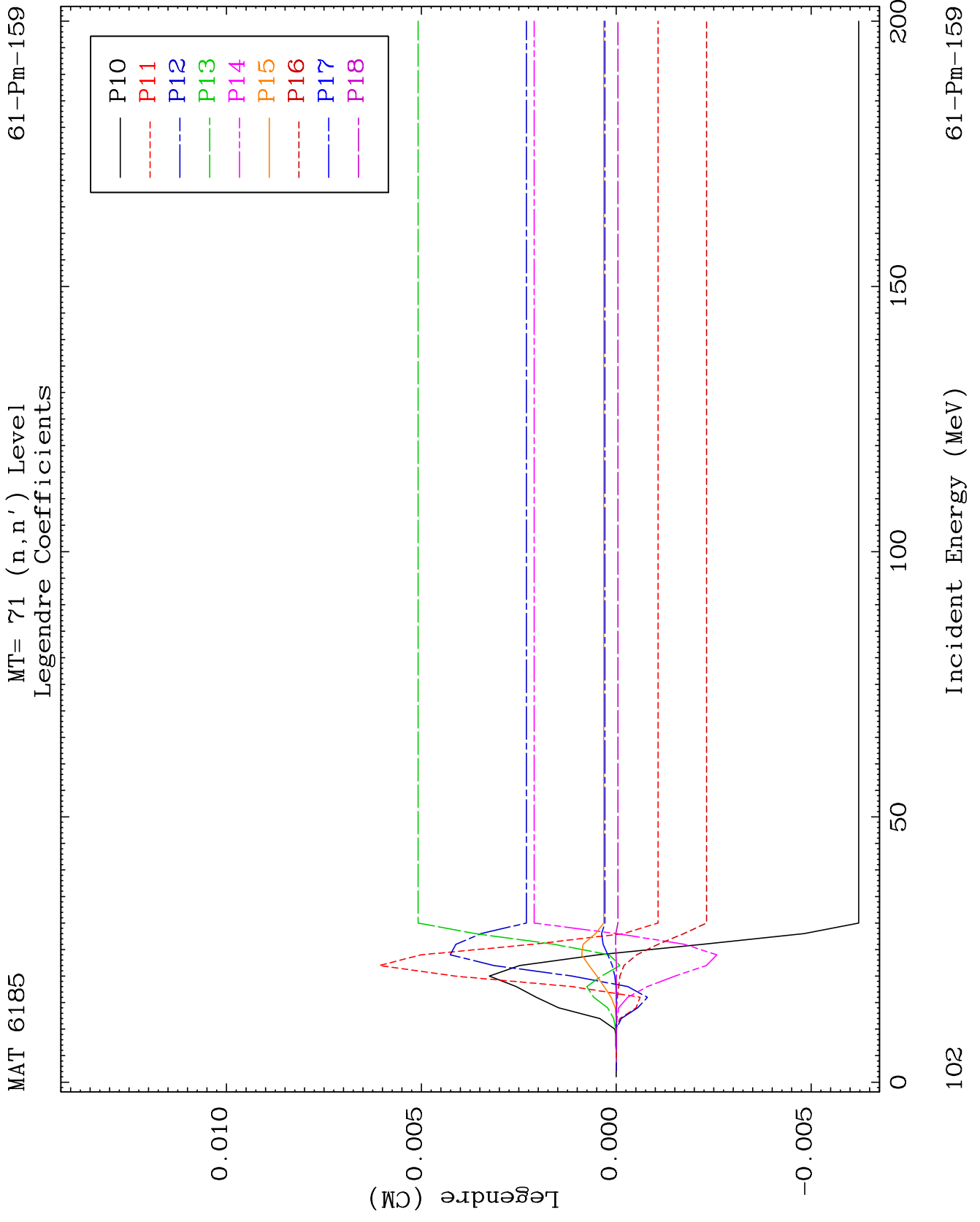
61-Pm-159



61-Pm-159

Incident Energy (MeV)

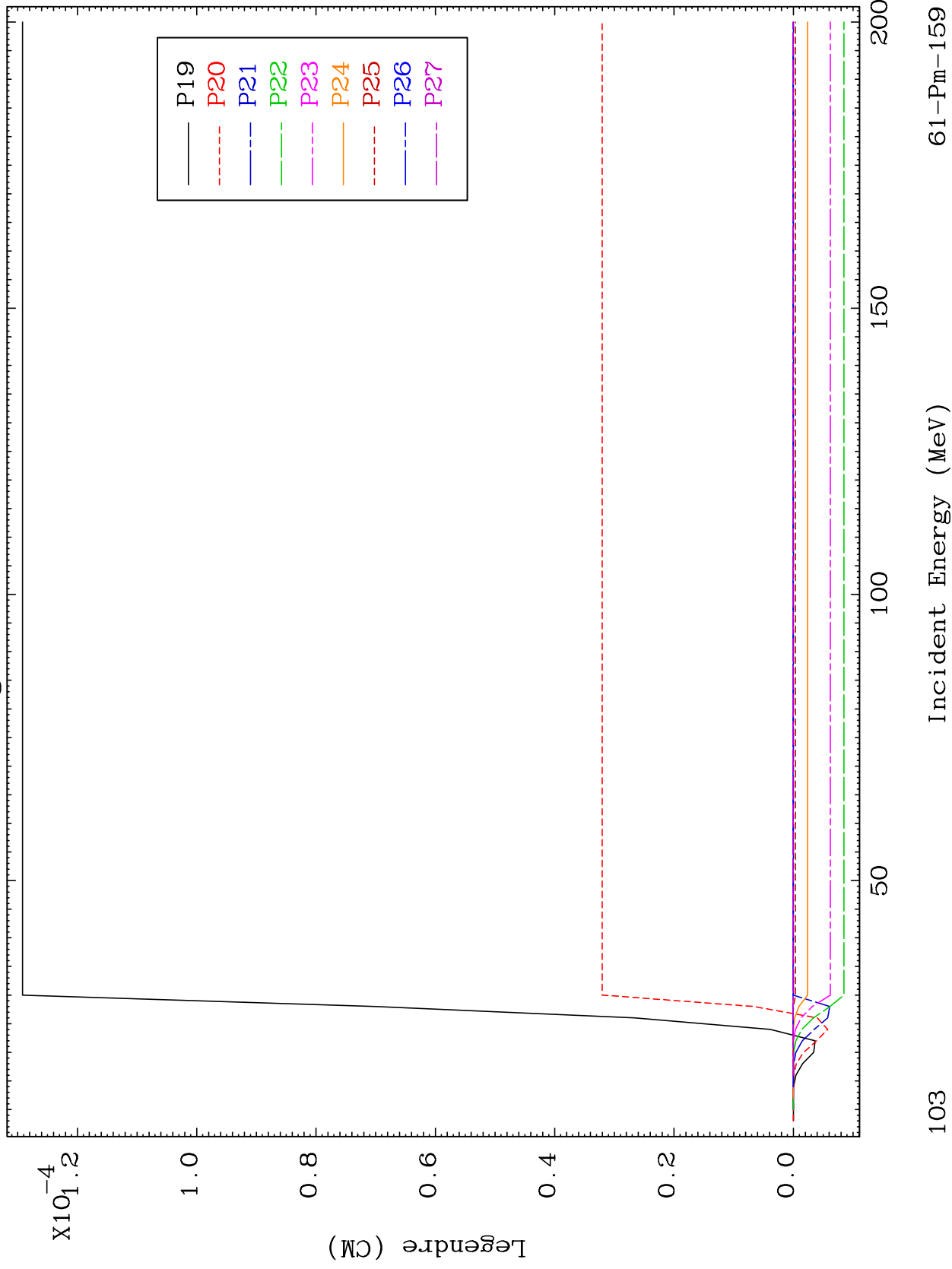
101



MAT 6185

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

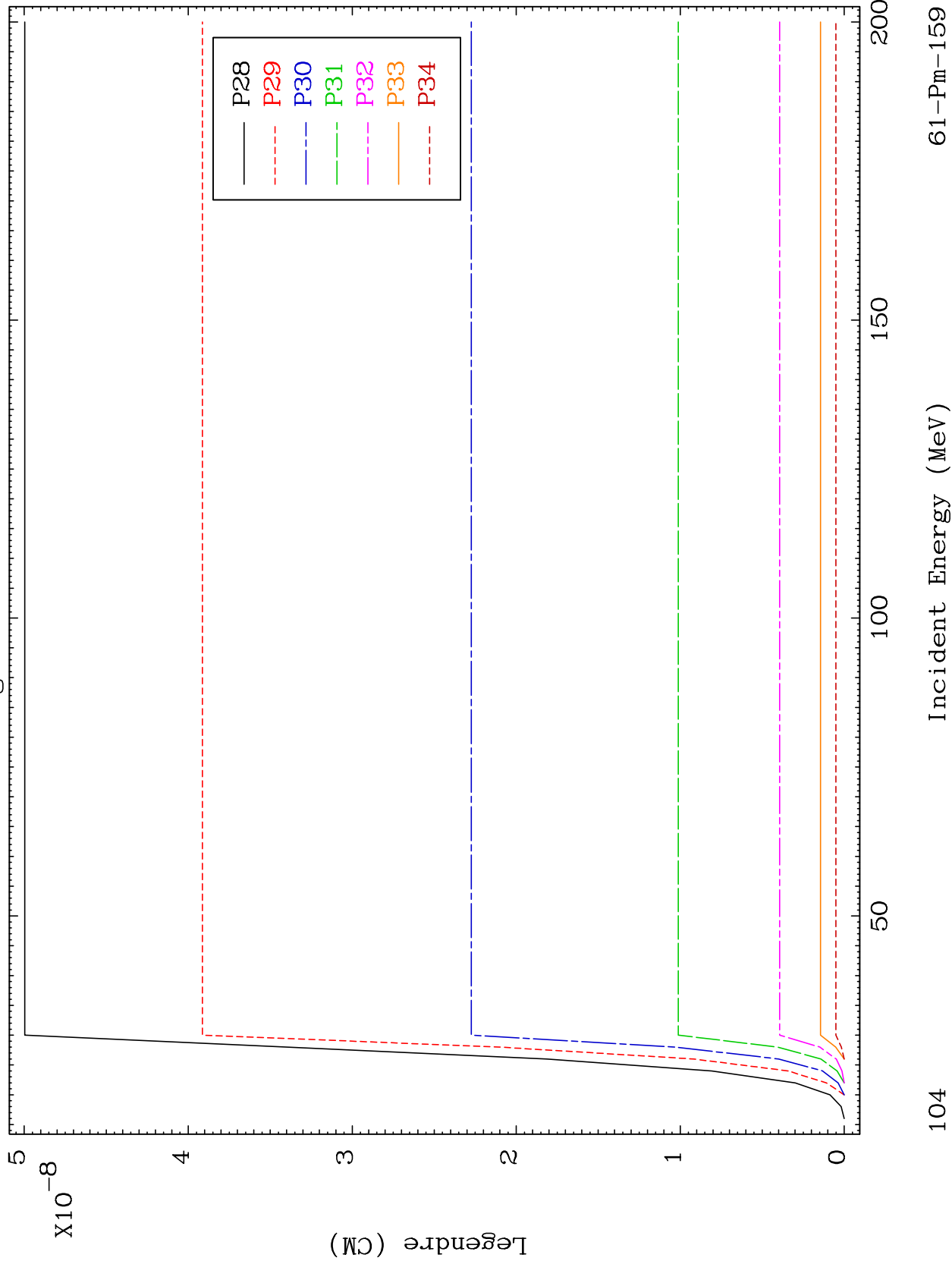
61-Pm-159



MAT 6185

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

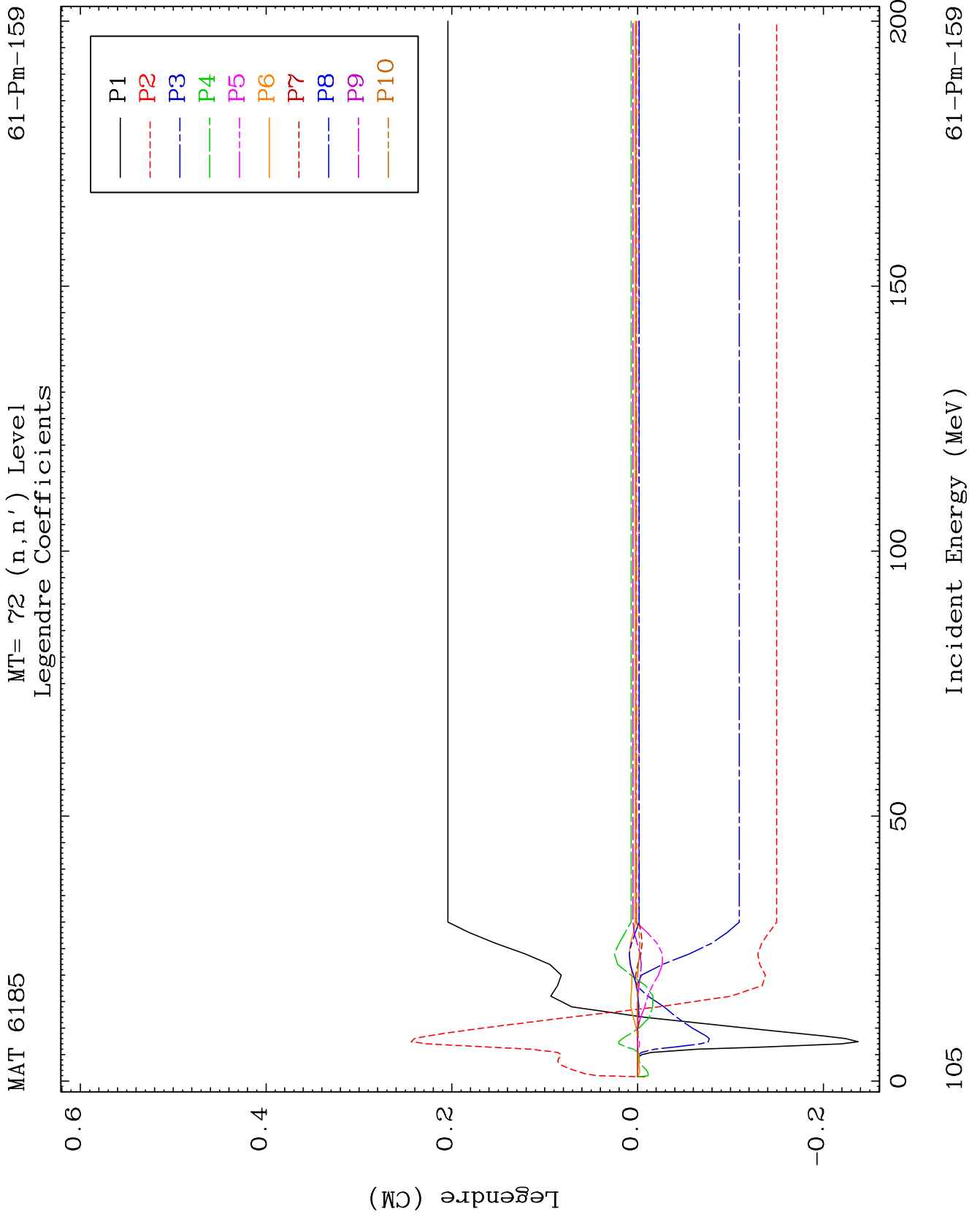
61-Pm-159



104

Incident Energy (MeV)

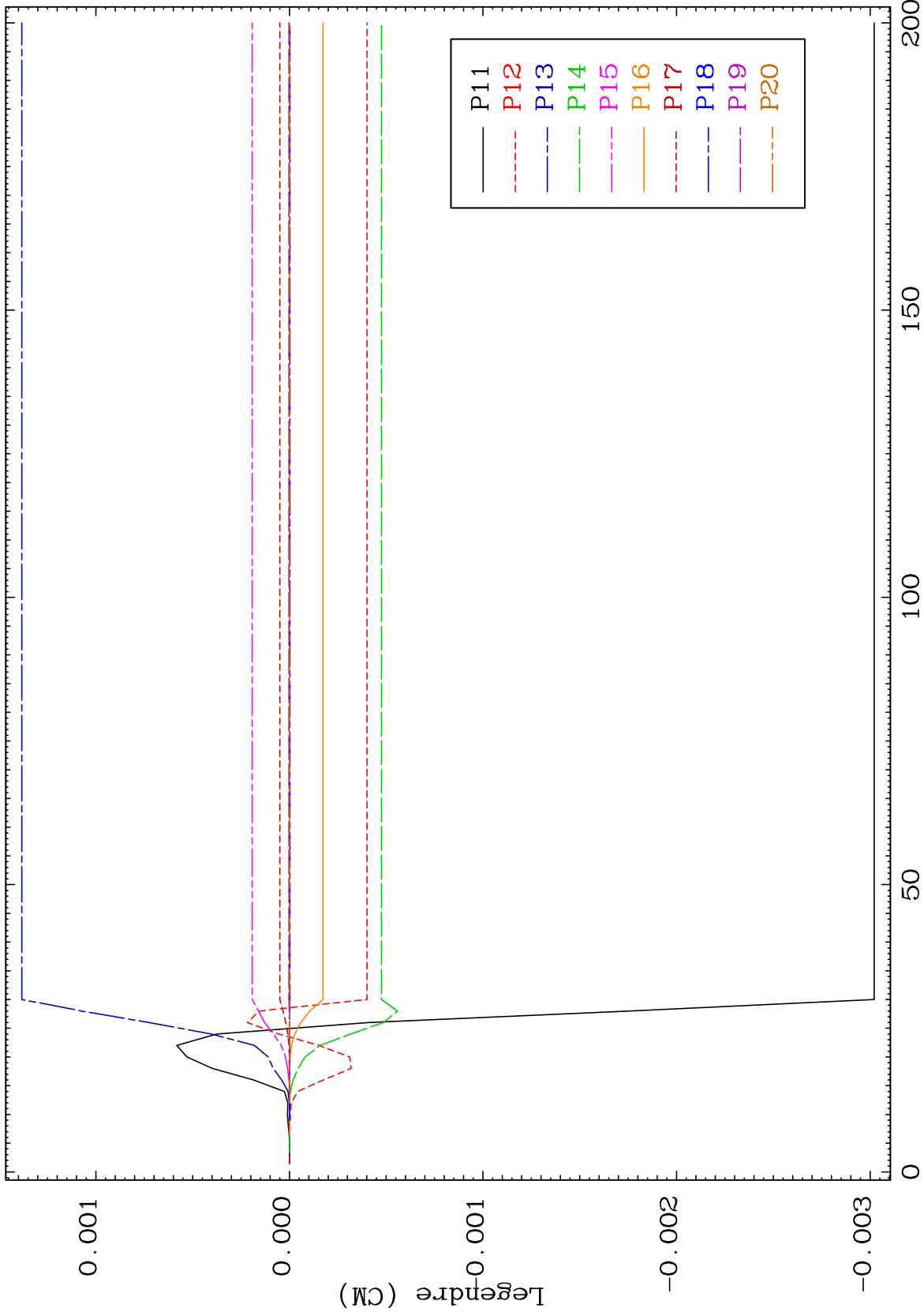
61-Pm-159



MAT 6185

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

61-Pm-159



106

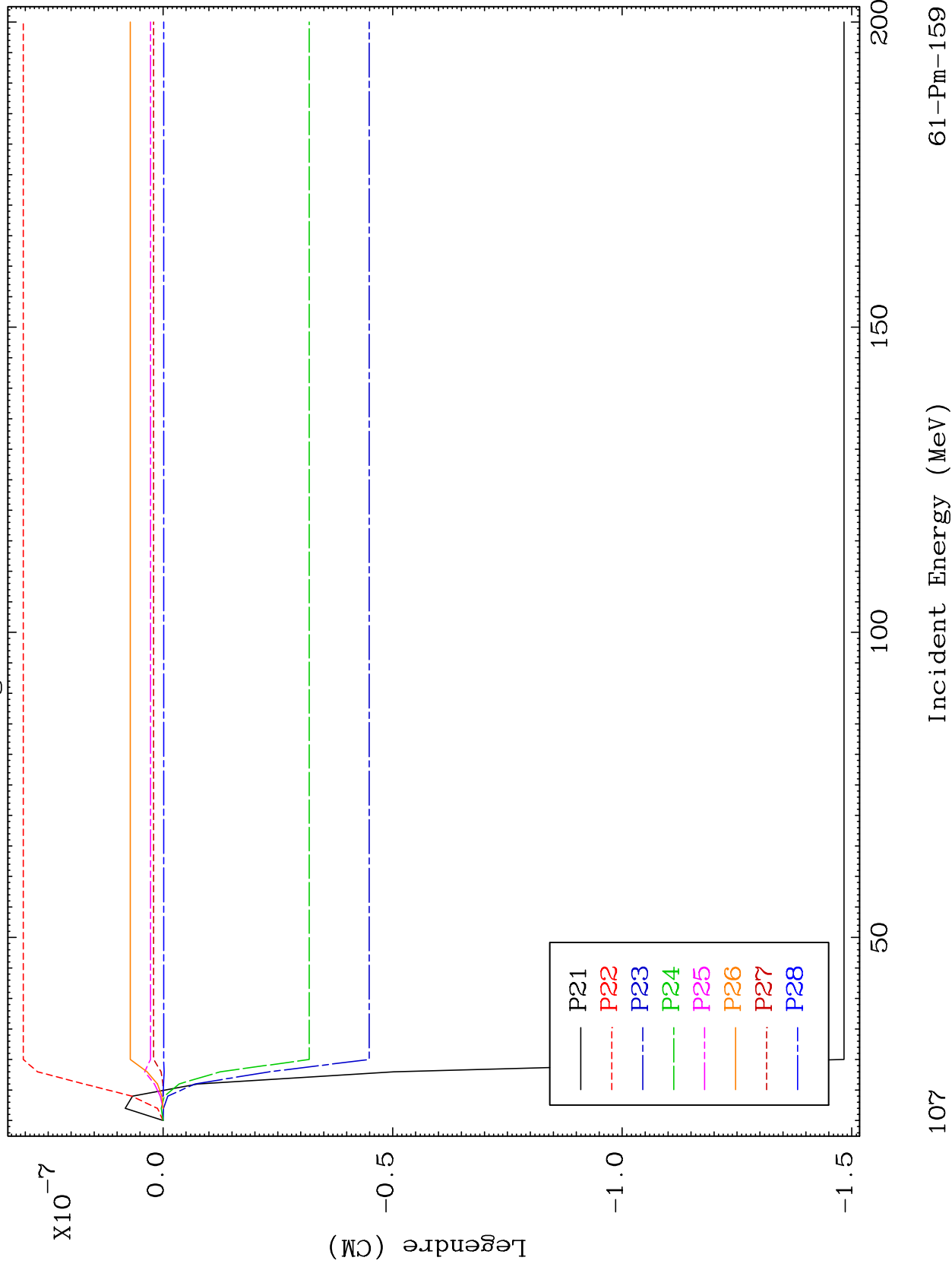
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159

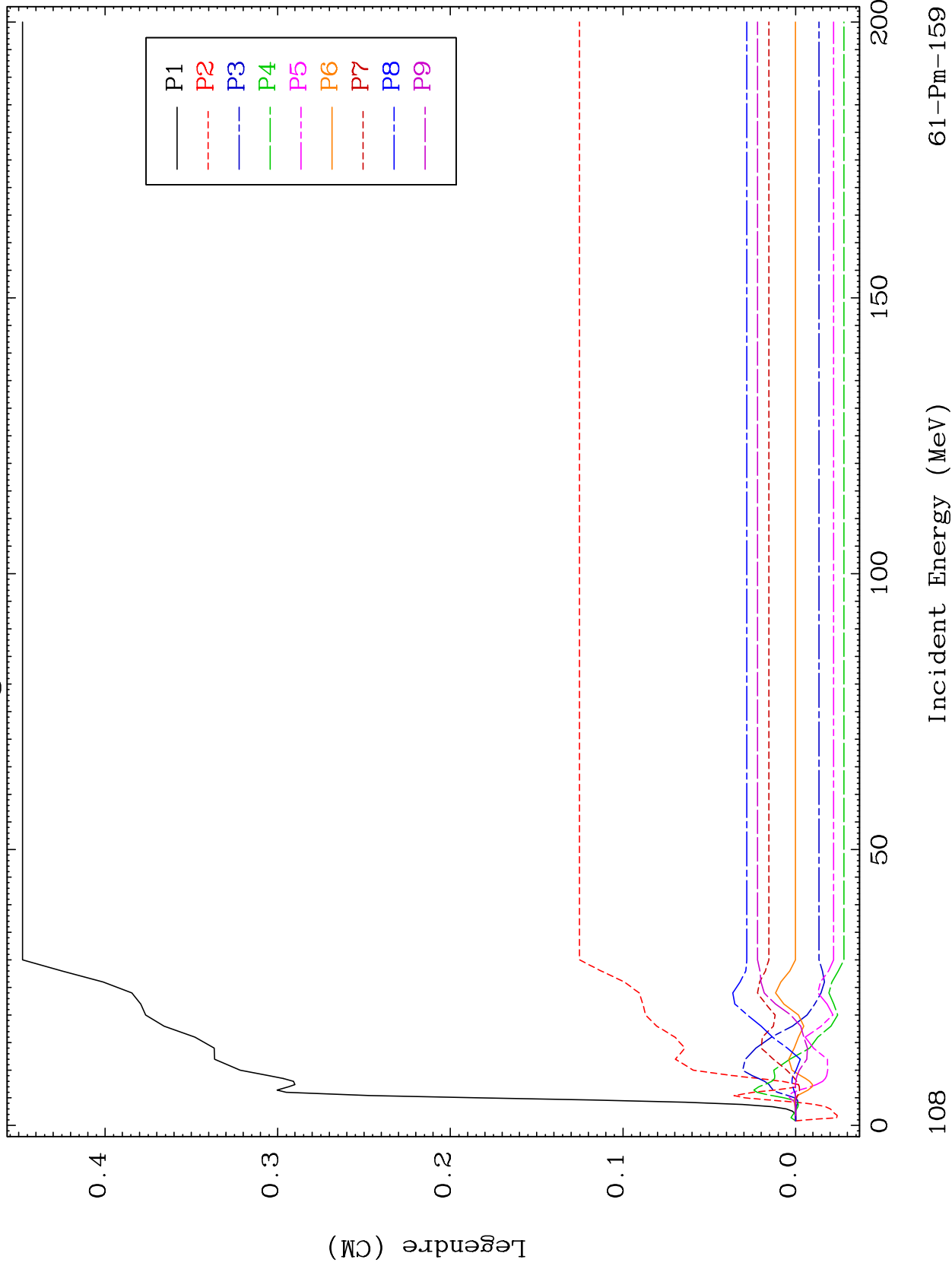


107

MAT 6185

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

61-Pm-159



61-Pm-159

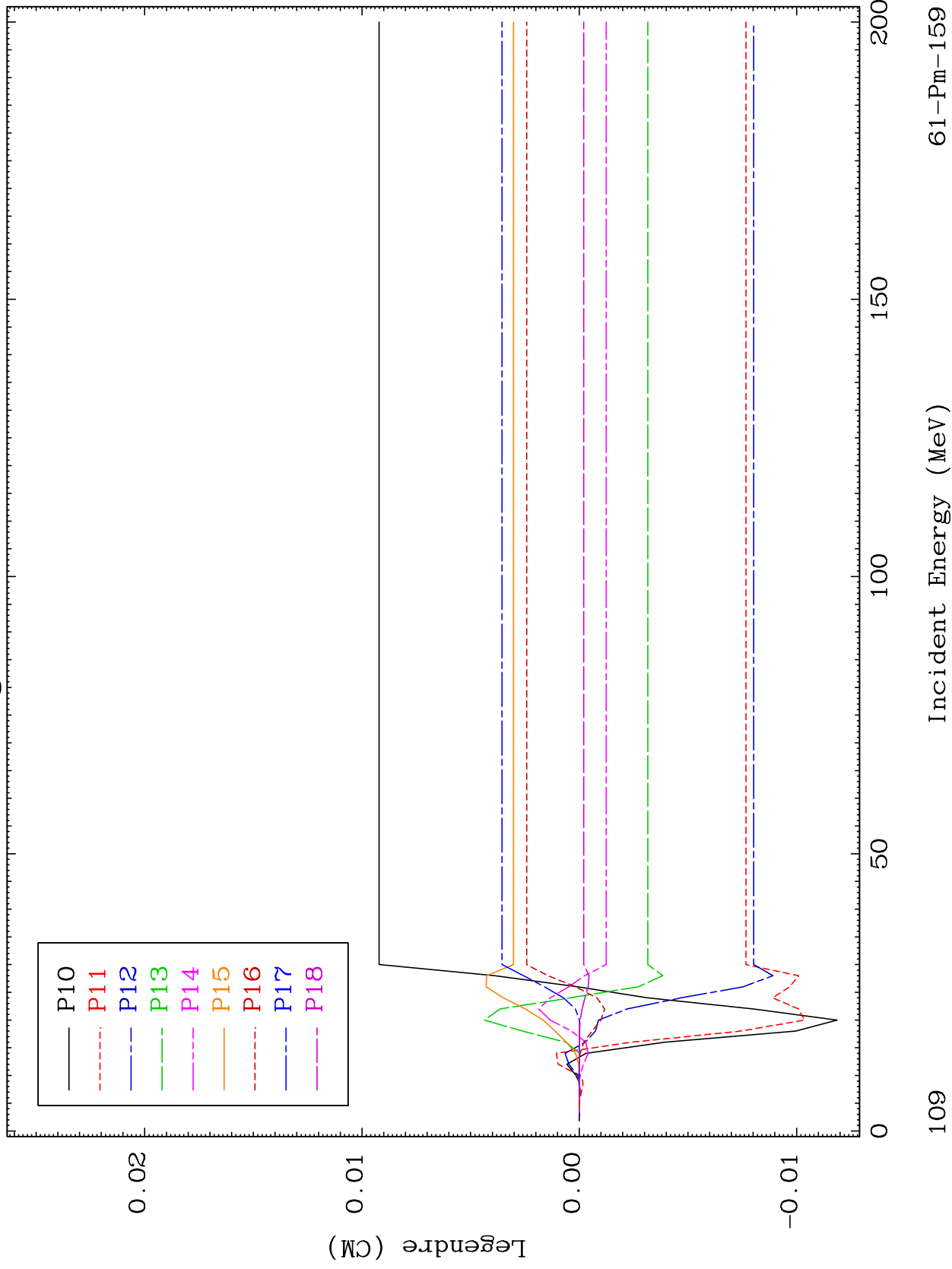
Incident Energy (MeV)

108

MAT 6185

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

61-Pm-159



109

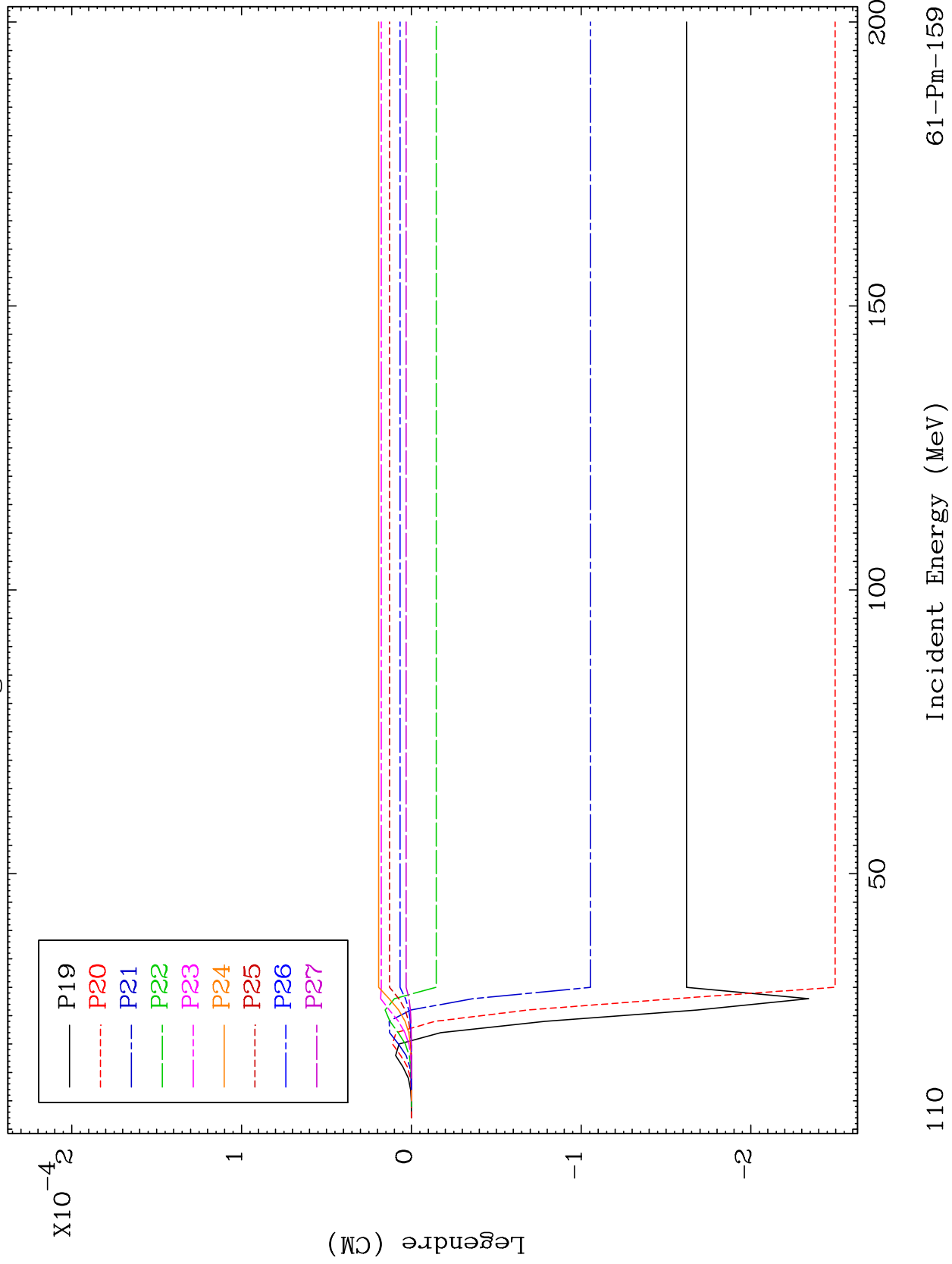
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



110

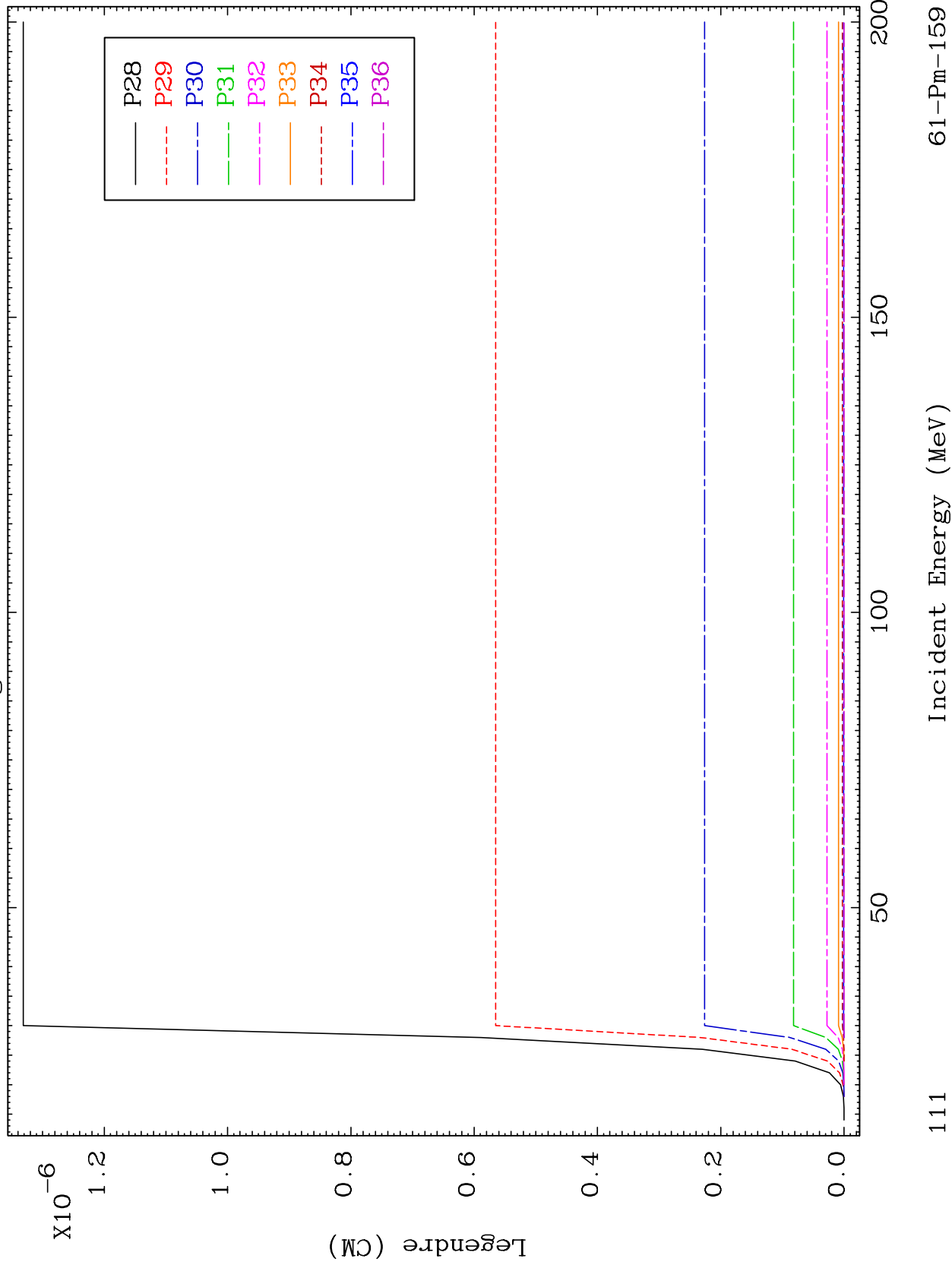
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



111

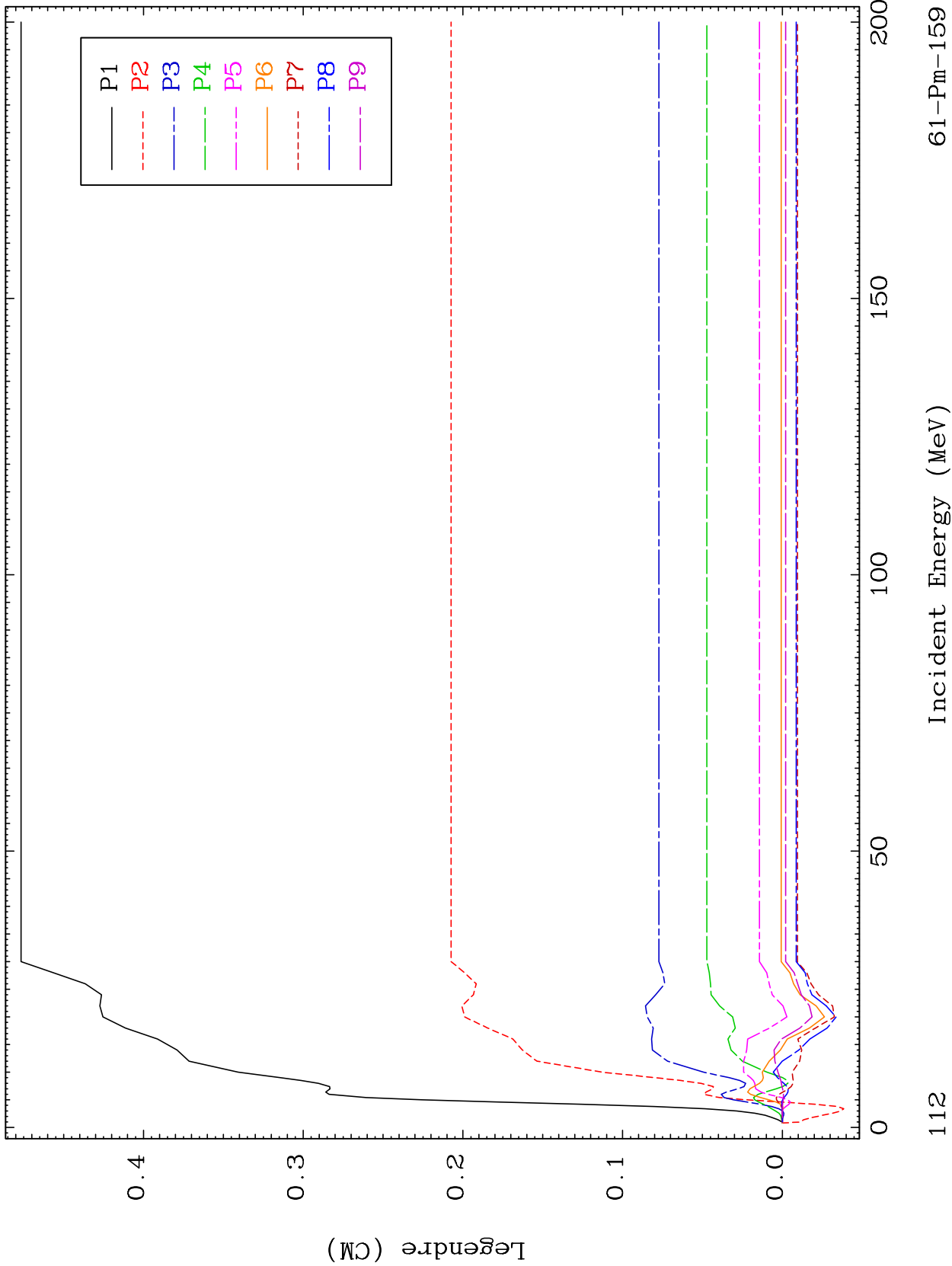
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



61-Pm-159

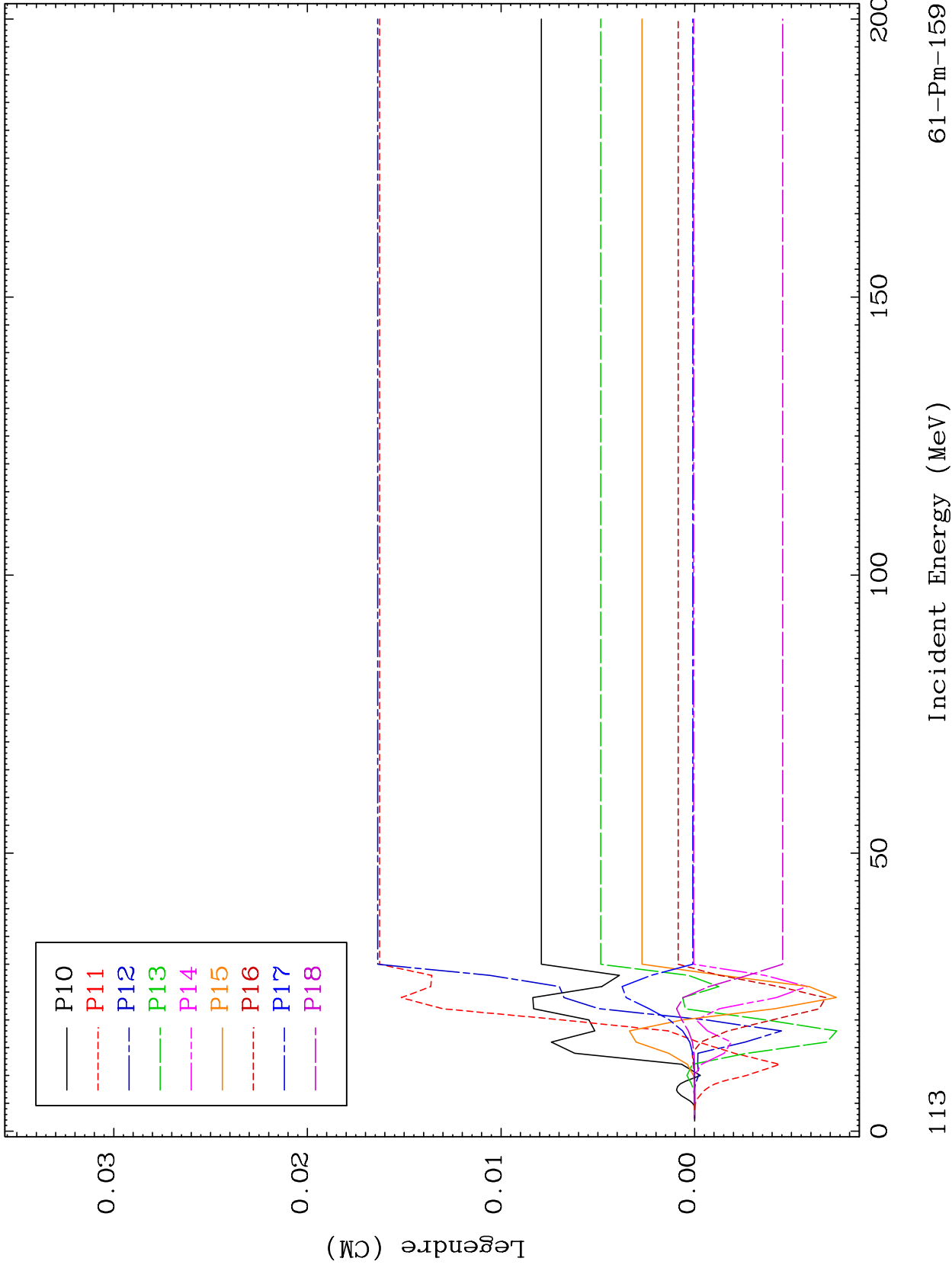
Incident Energy (MeV)

112

MAT 6185

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

61-Pm-159



113

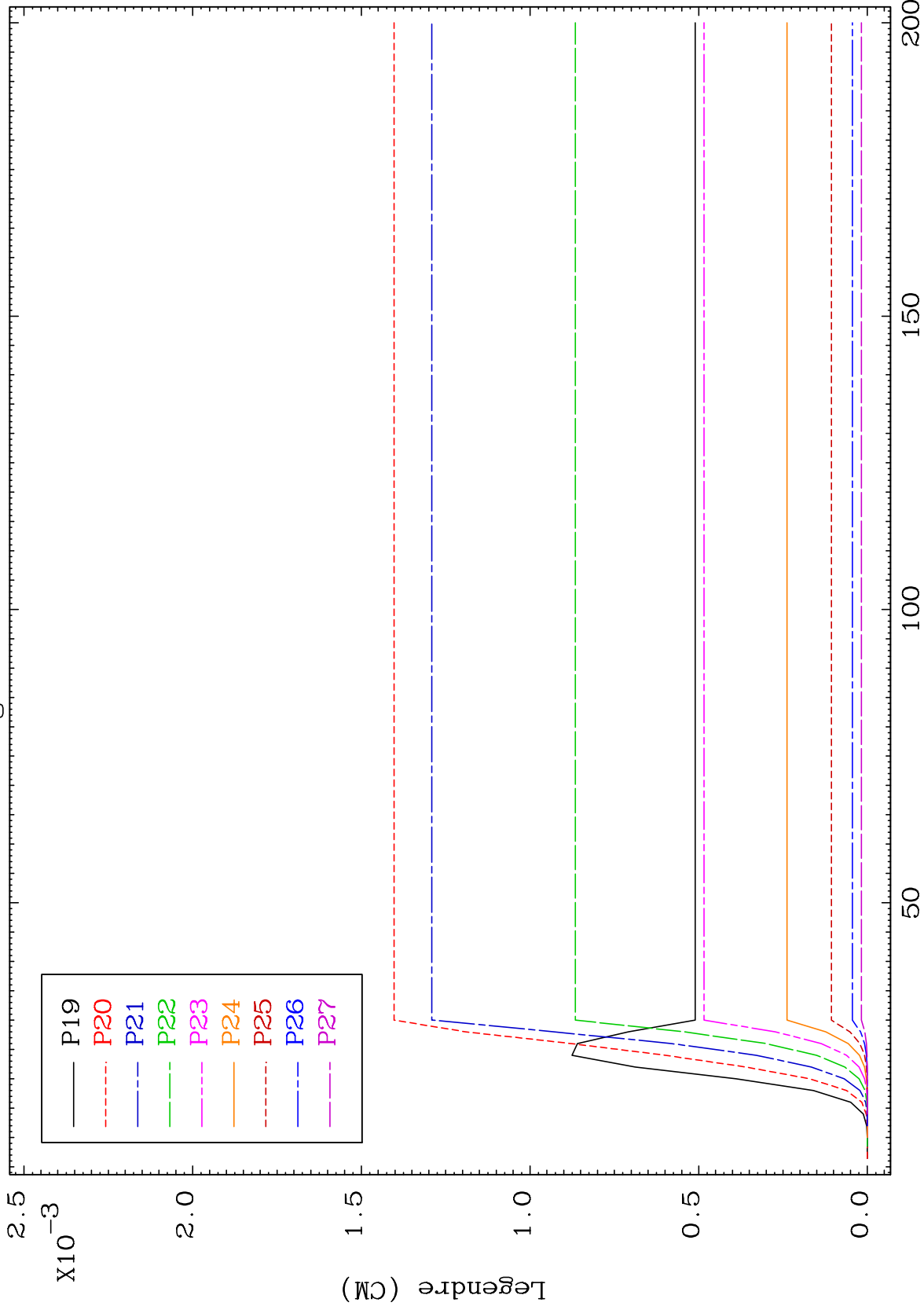
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



114

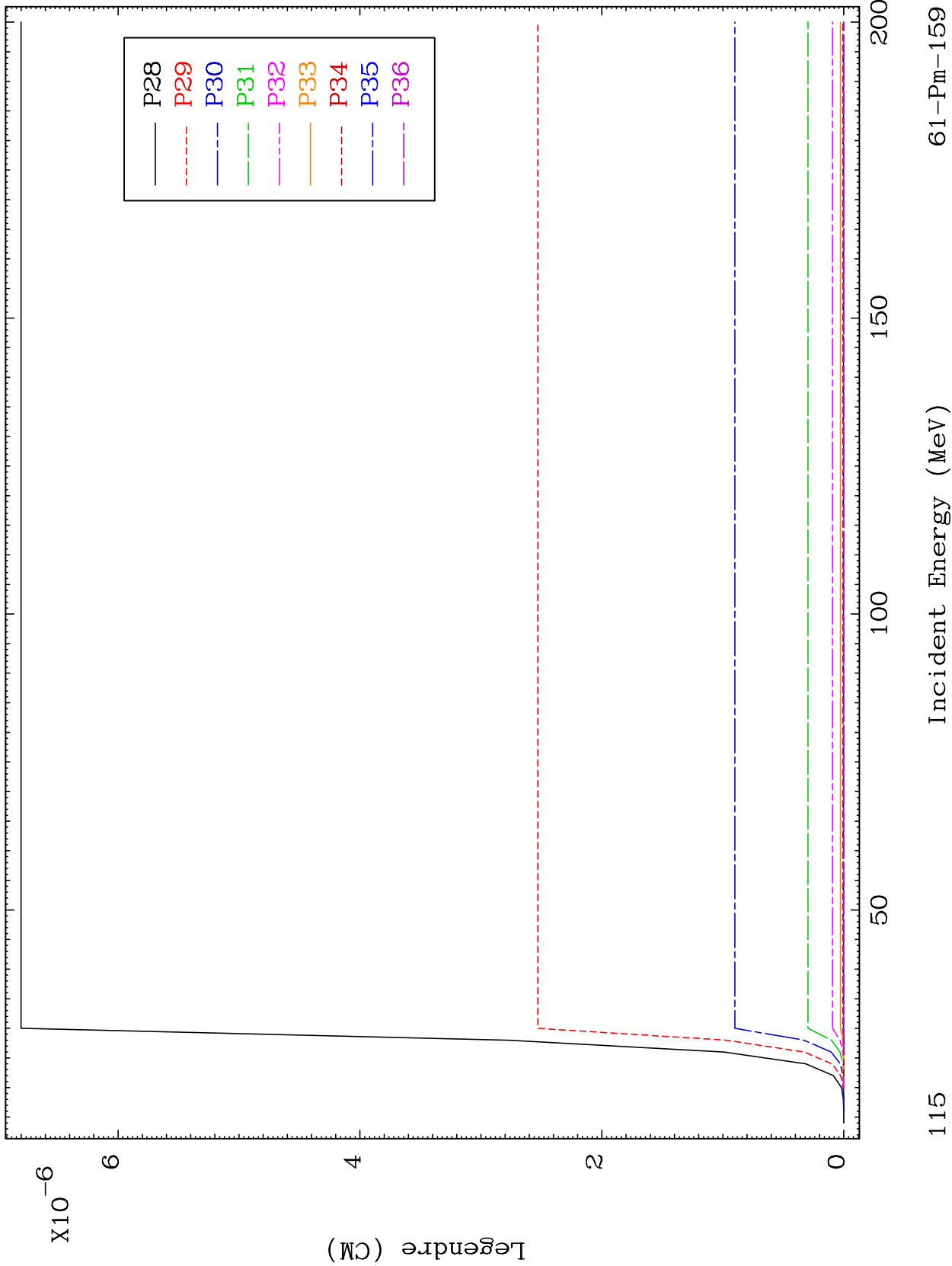
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

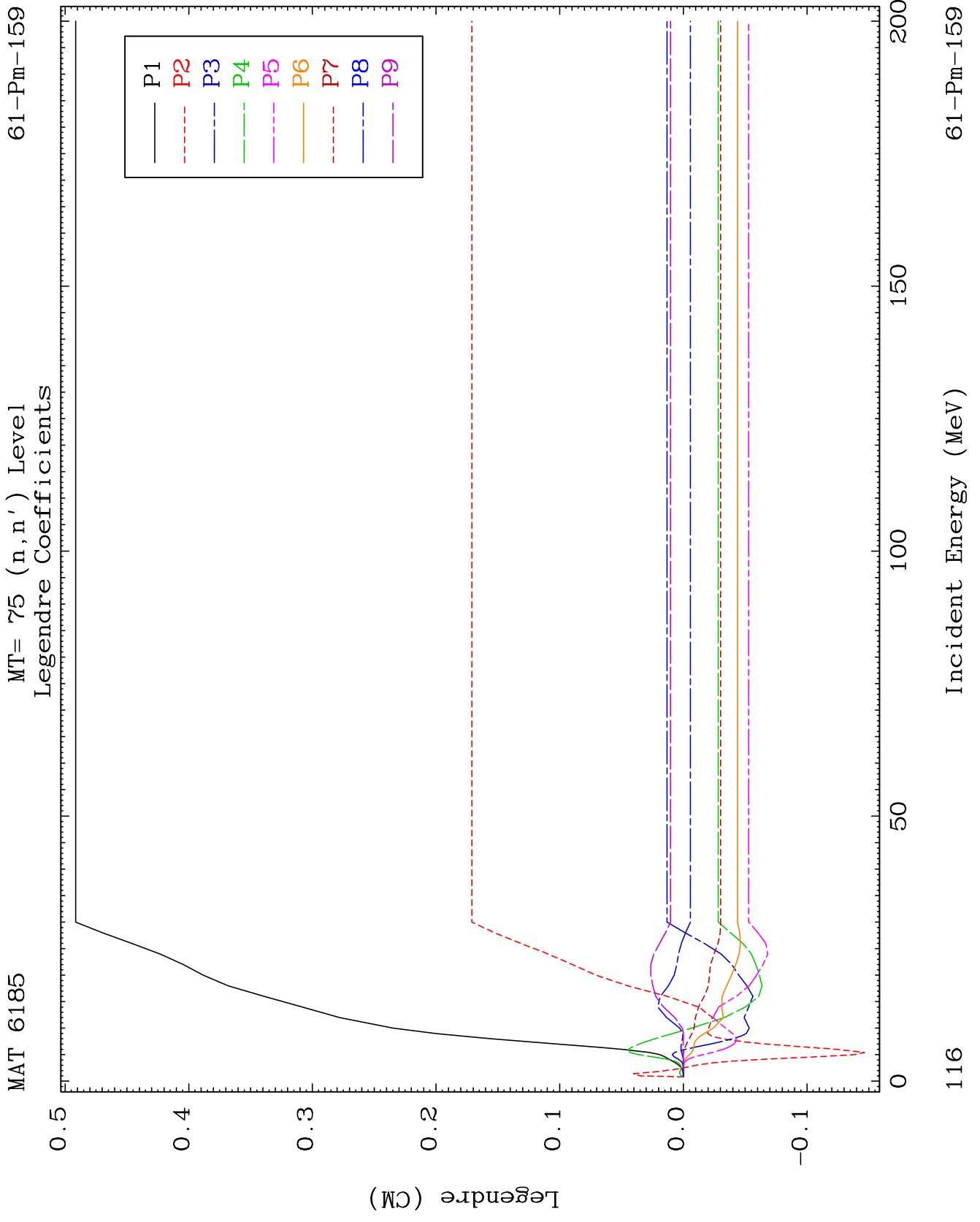
61-Pm-159



61-Pm-159

Incident Energy (MeV)

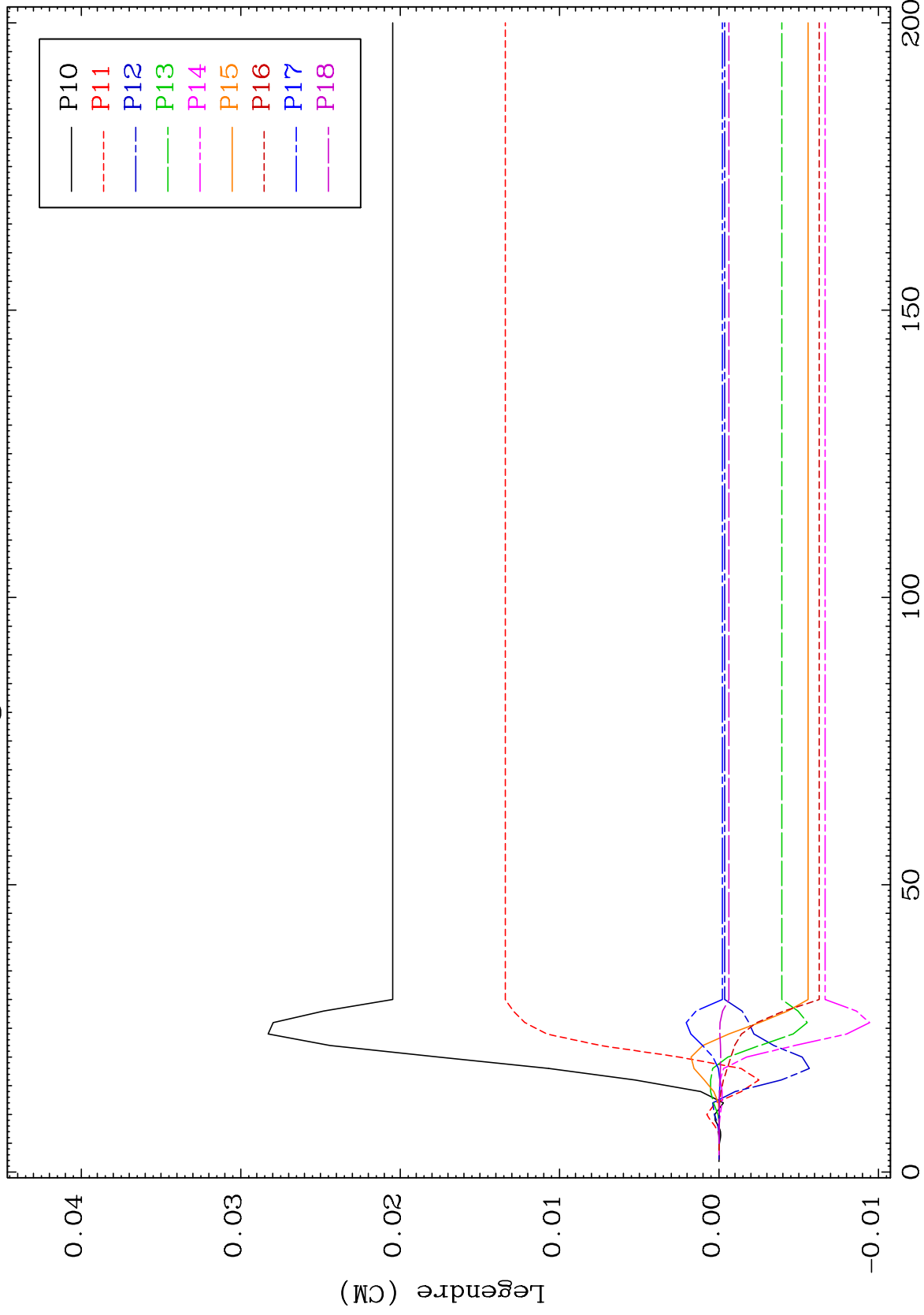
115



MAT 6185

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

61-Pm-159



117

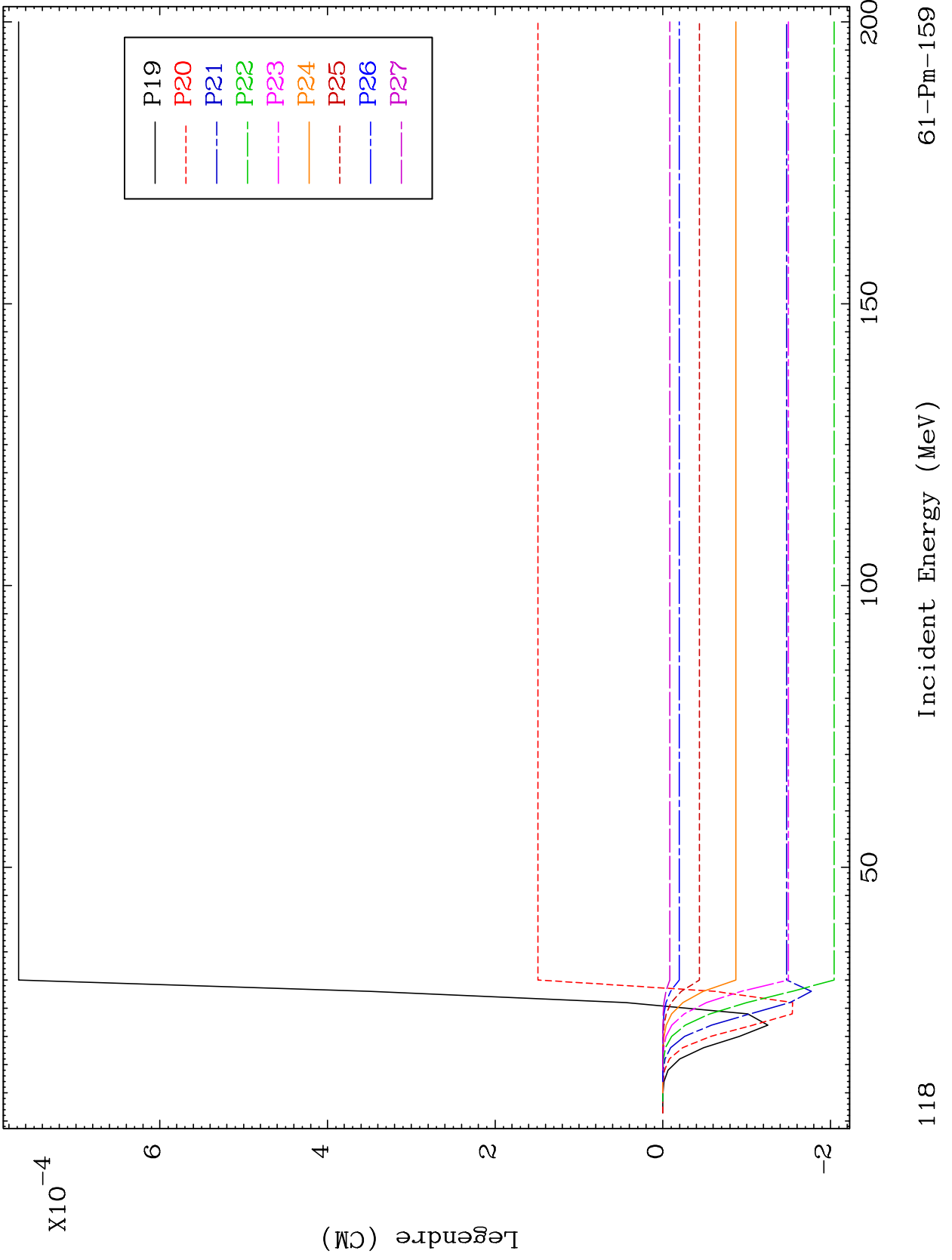
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159

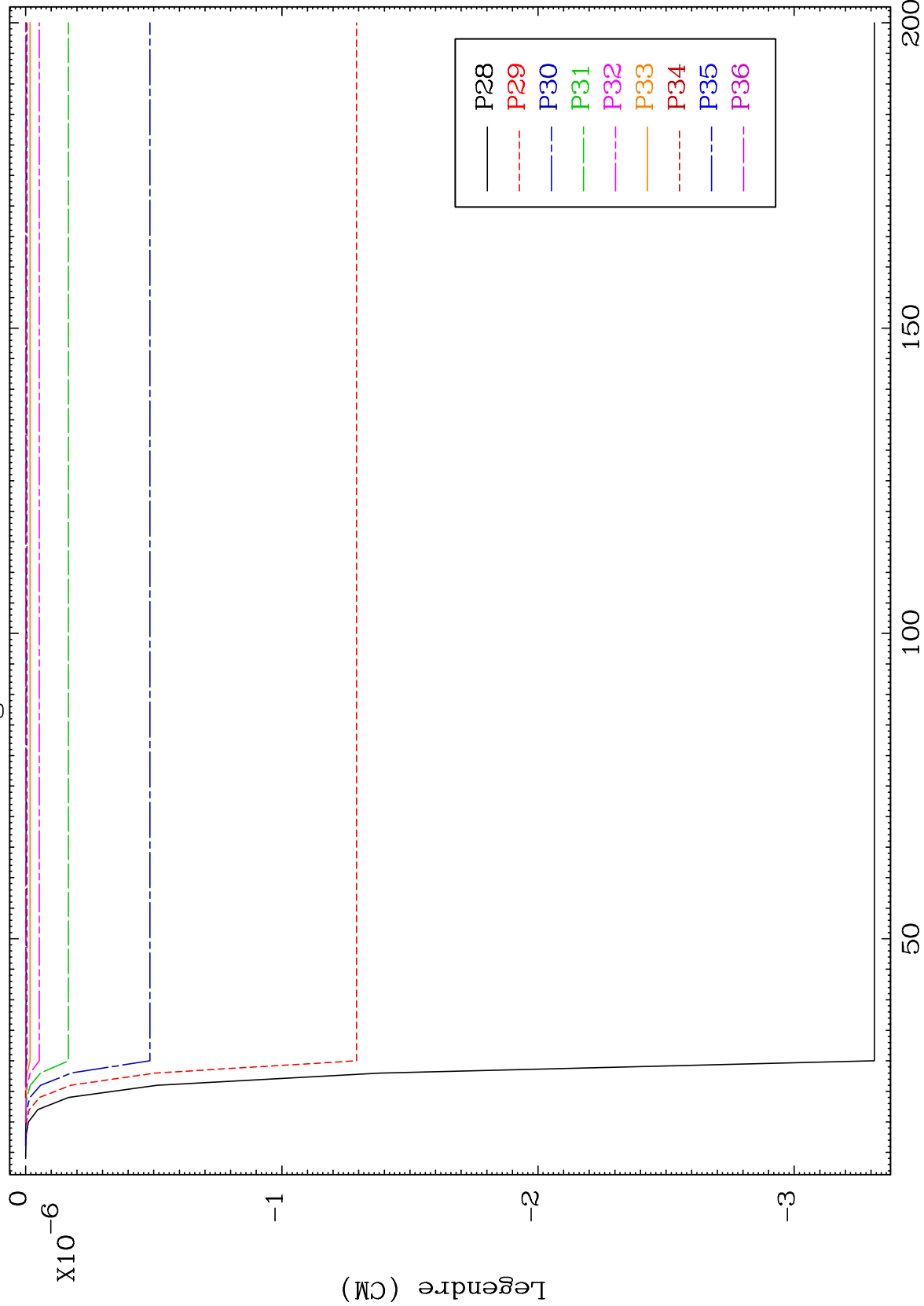


MAT 6185

MT= 75 (n,n') Level

61-Pm-159

Legendre Coefficients

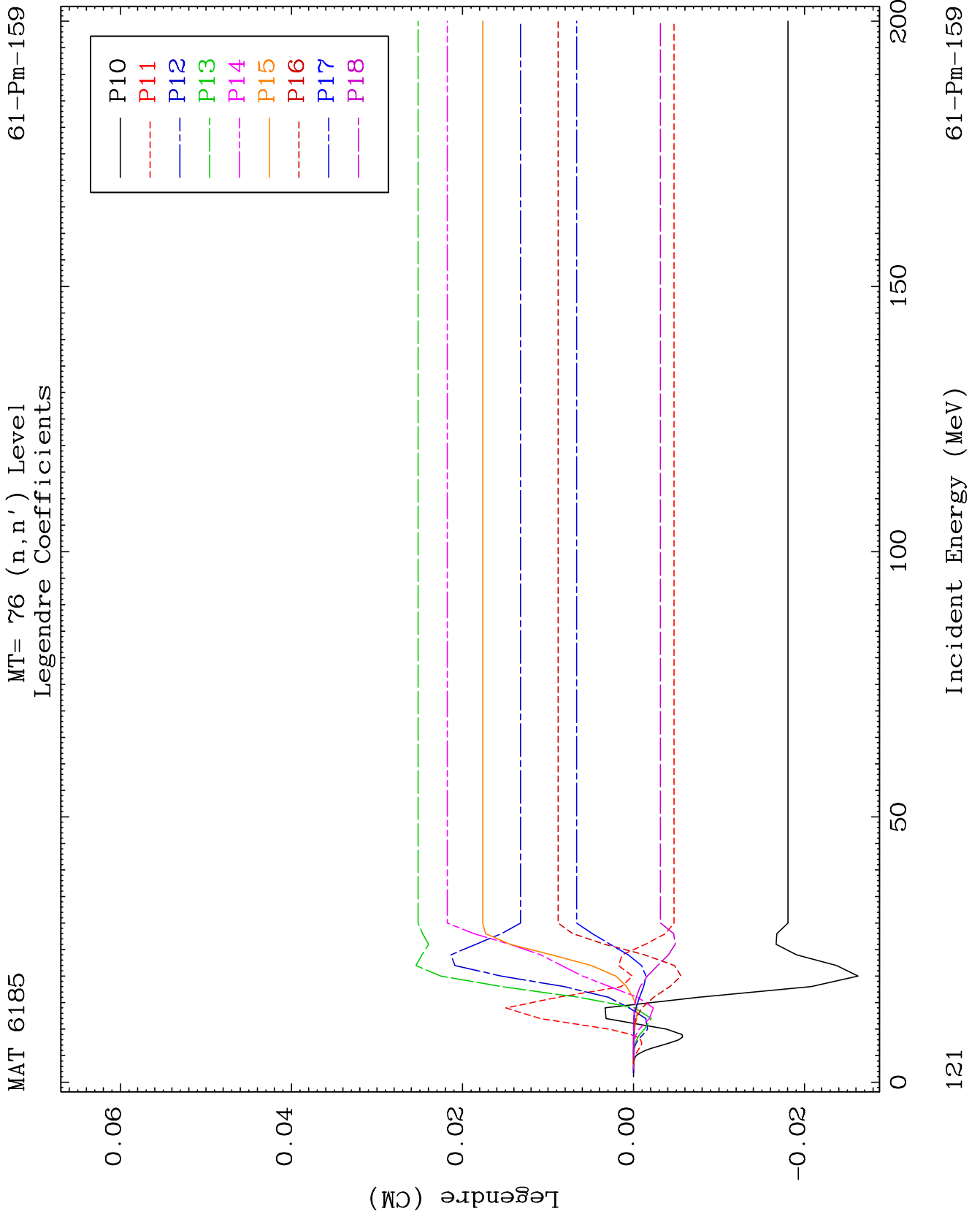


61-Pm-159

Incident Energy (MeV)

119

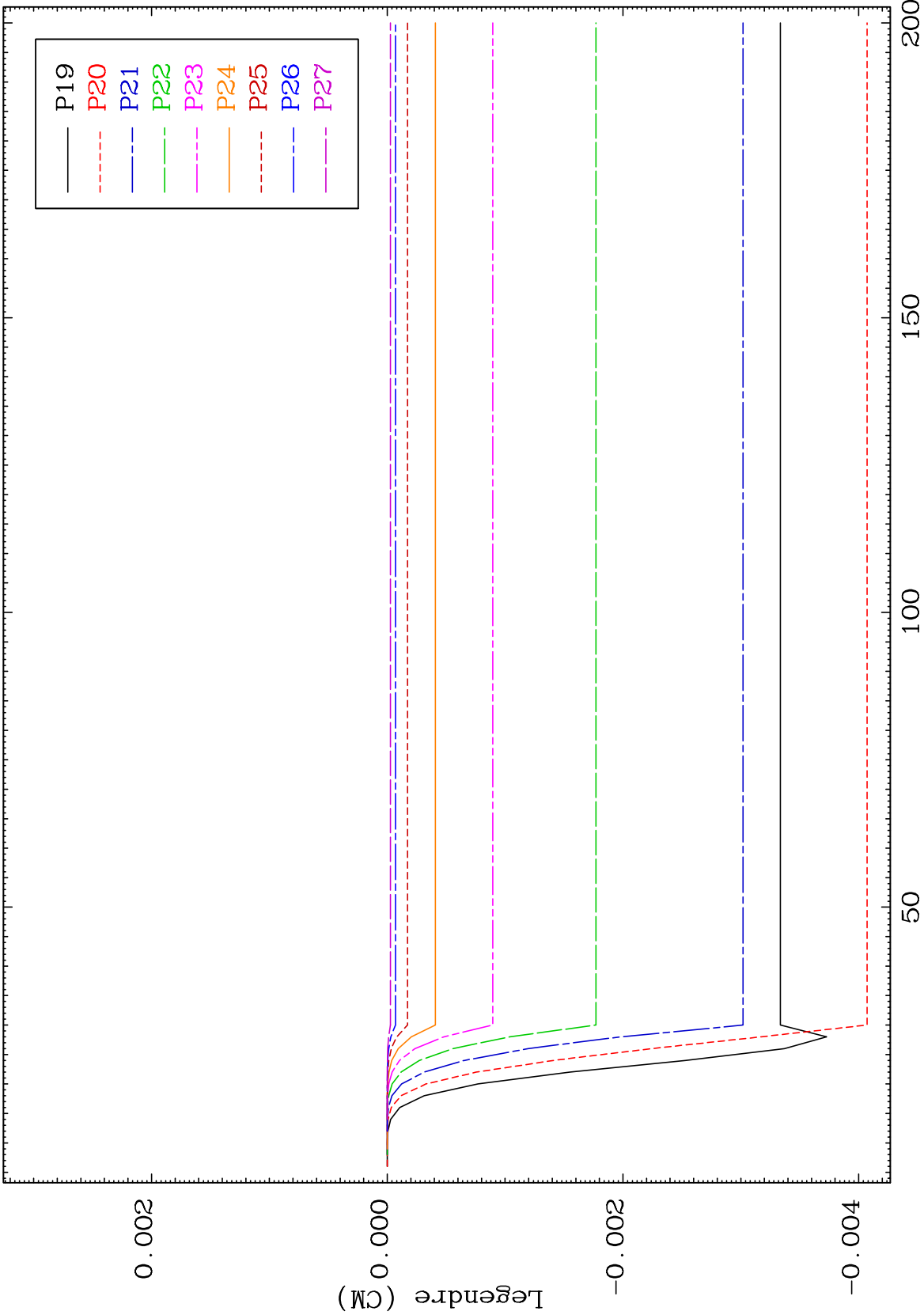




MAT 6185

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

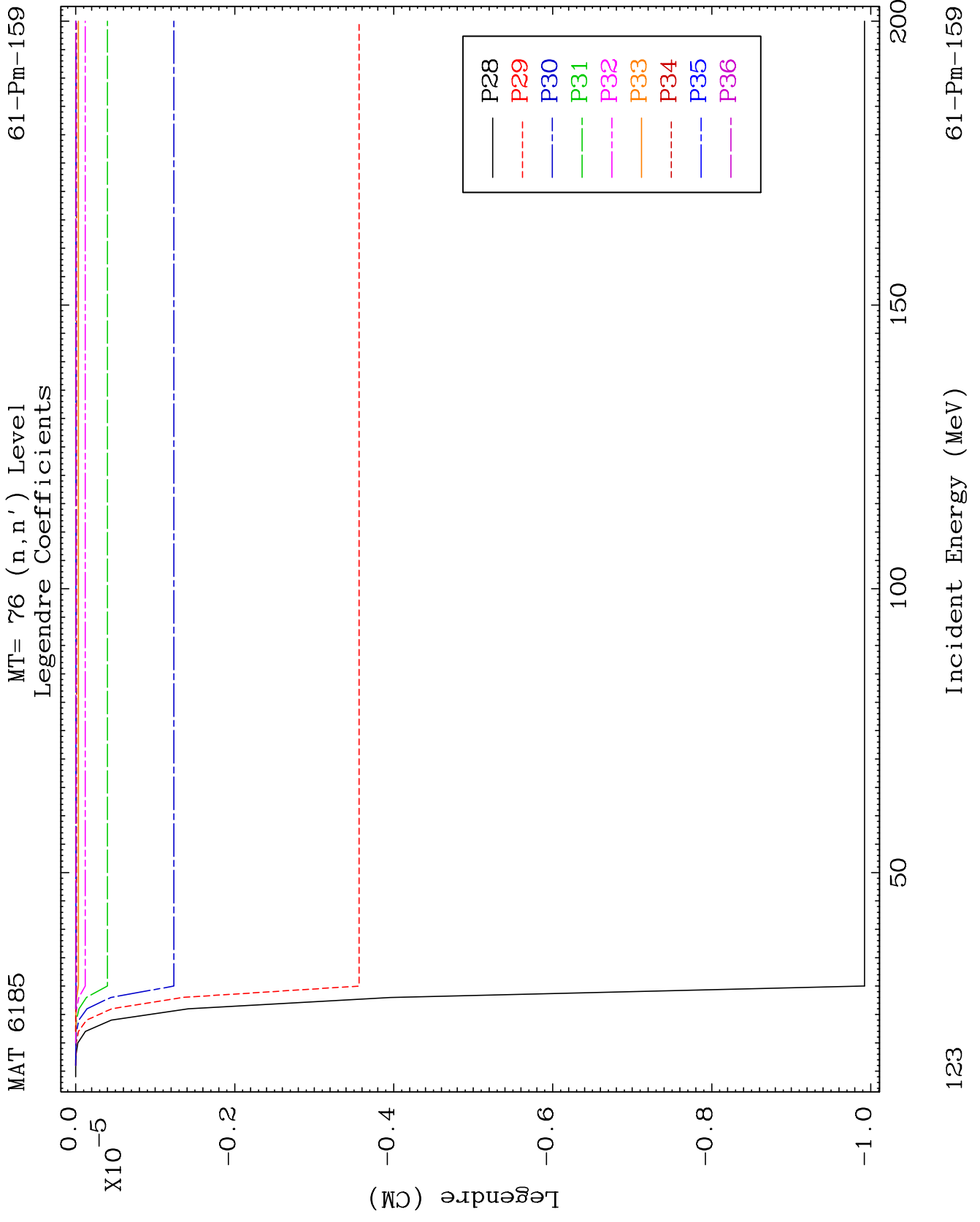
61-Pm-159



122

Incident Energy (MeV)

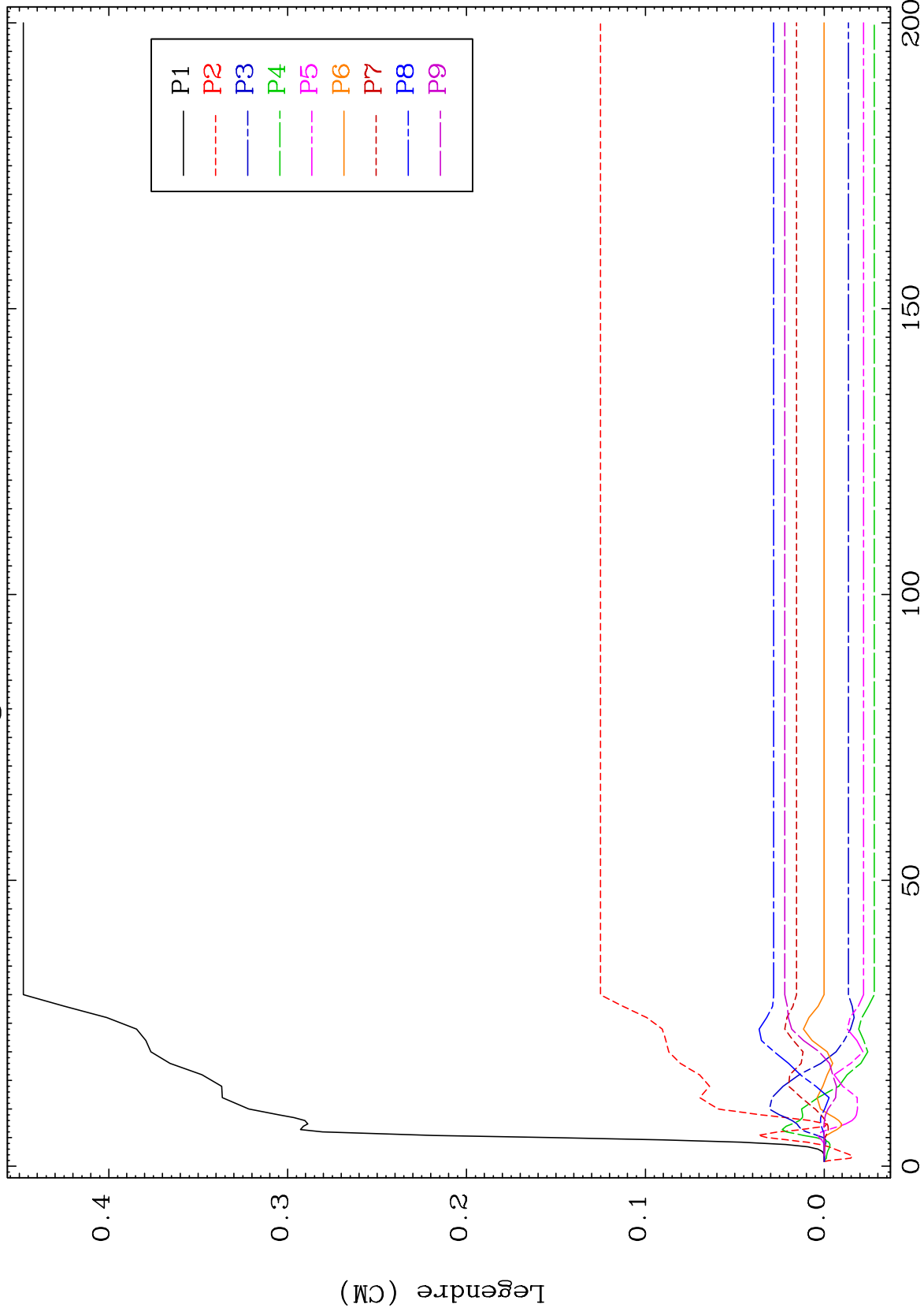
61-Pm-159



MAT 6185

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

61-Pm-159



124

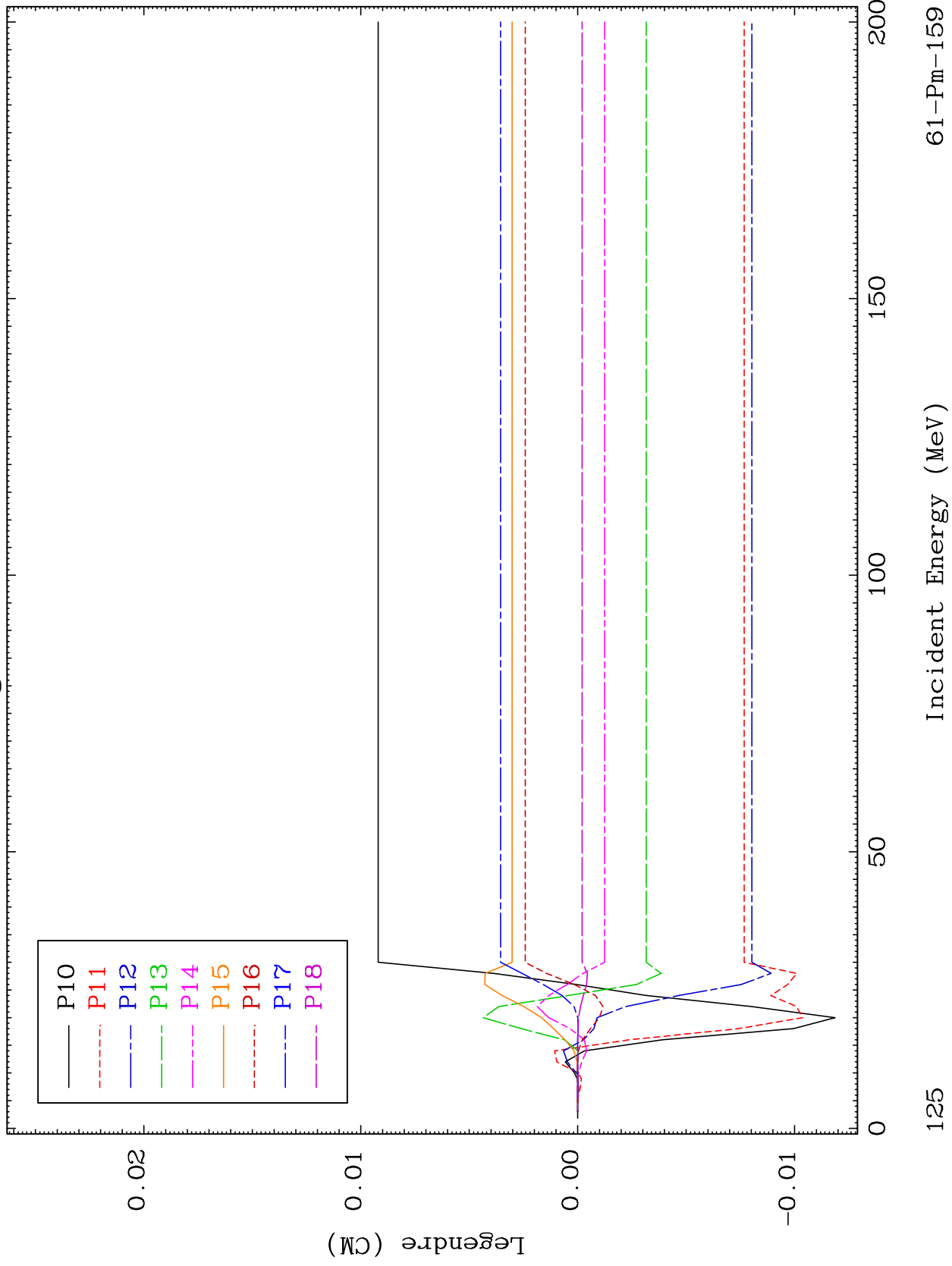
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



125

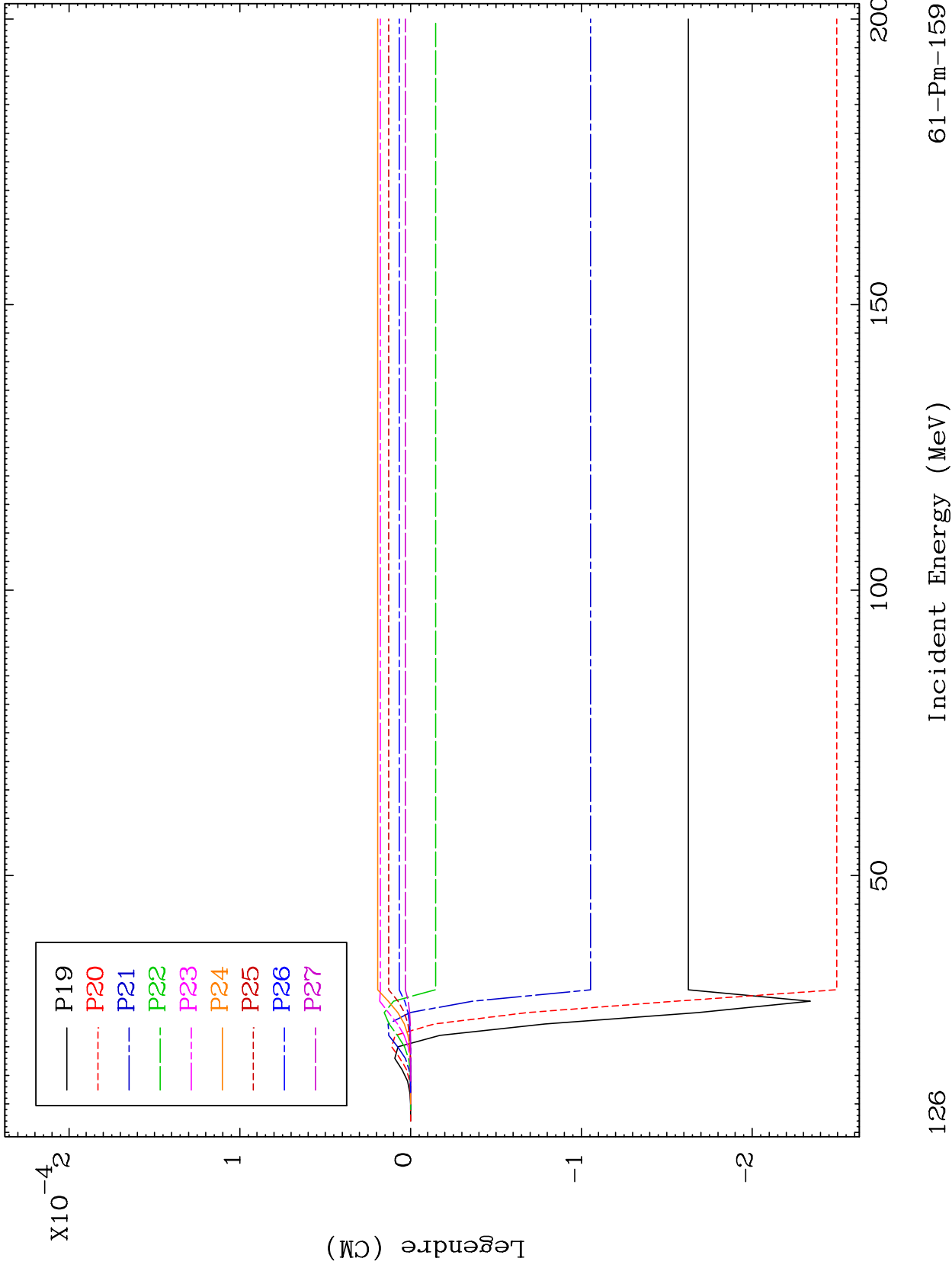
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



126

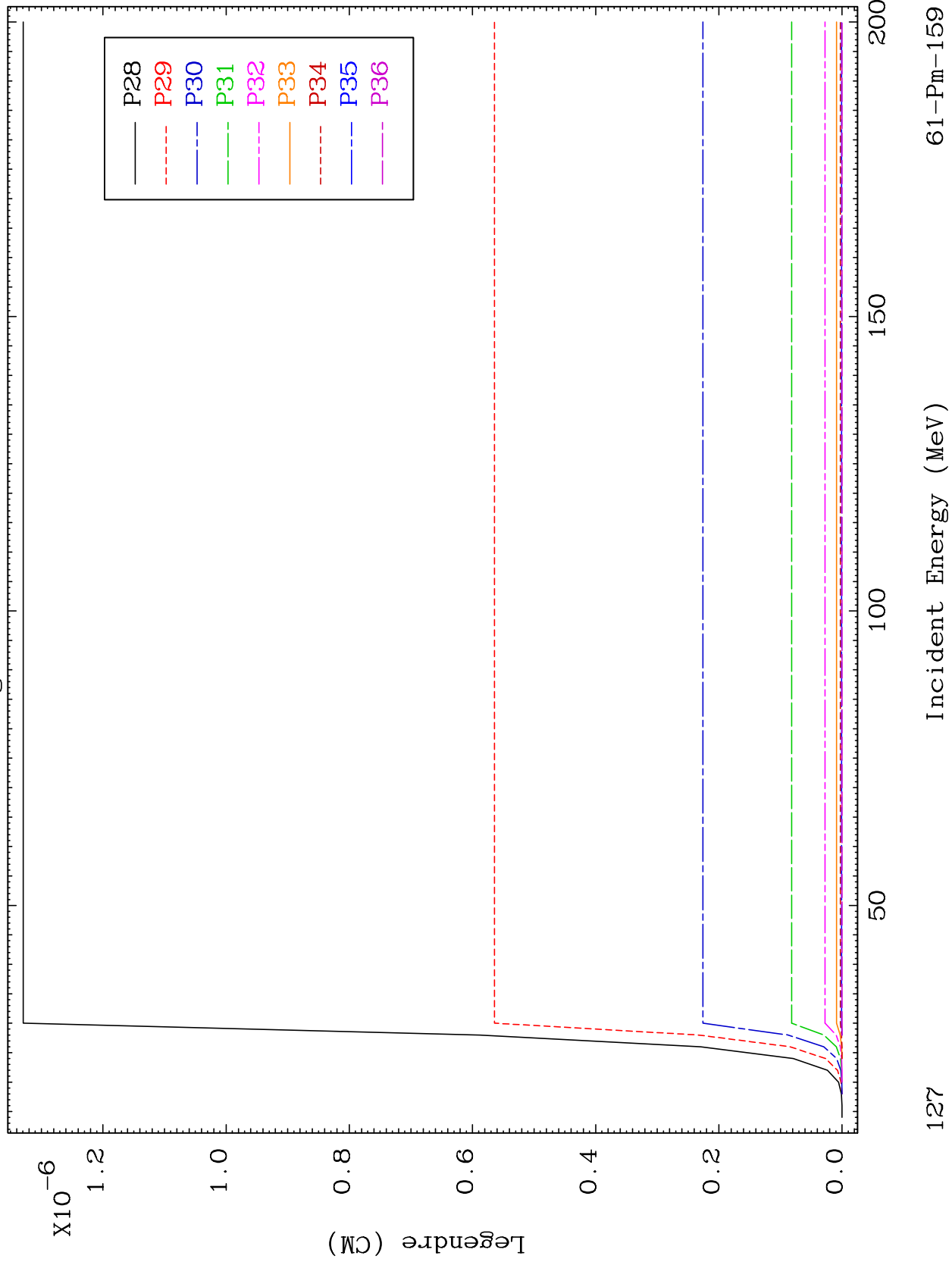
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



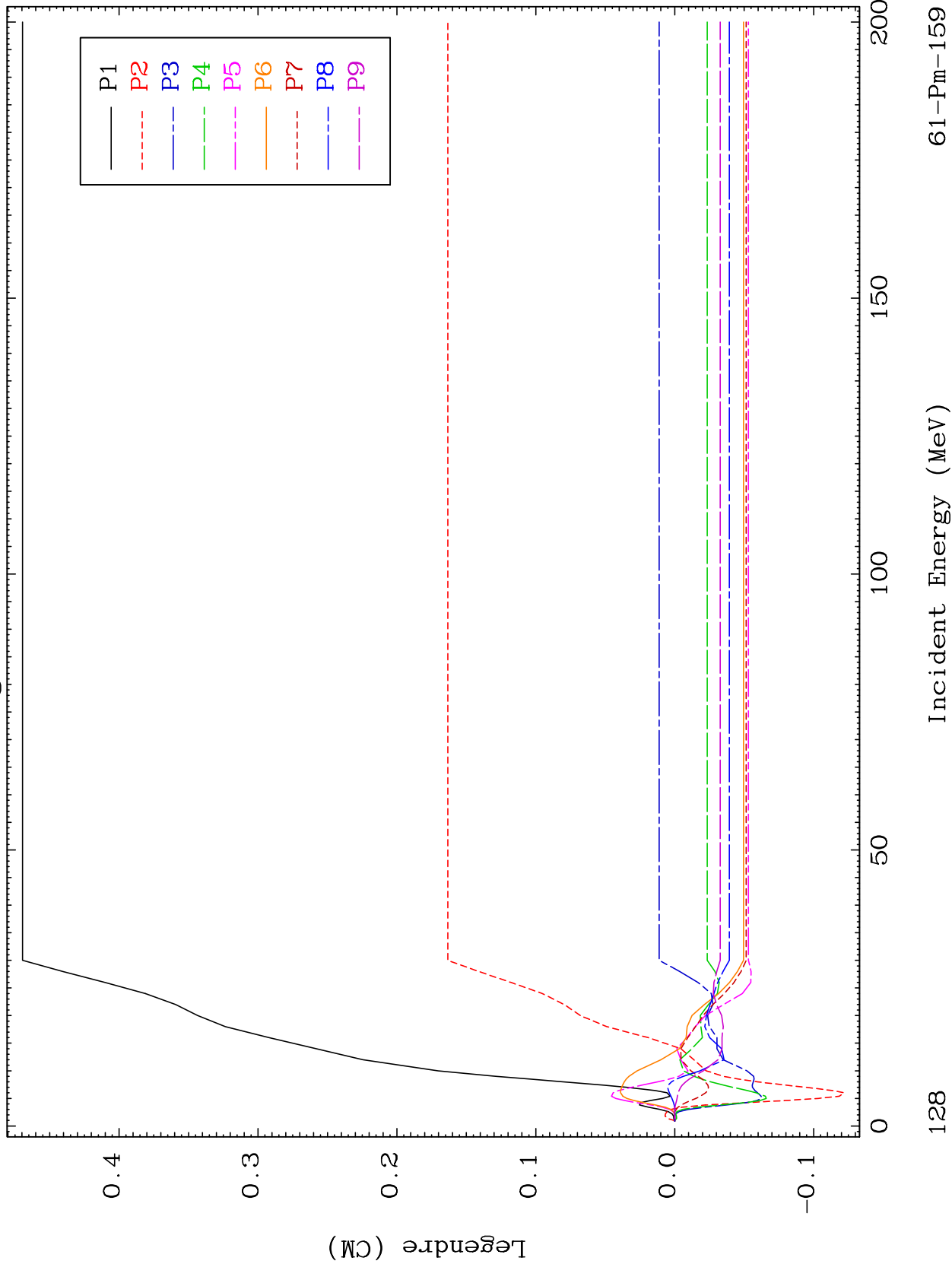
127

61-Pm-159

MAT 6185

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

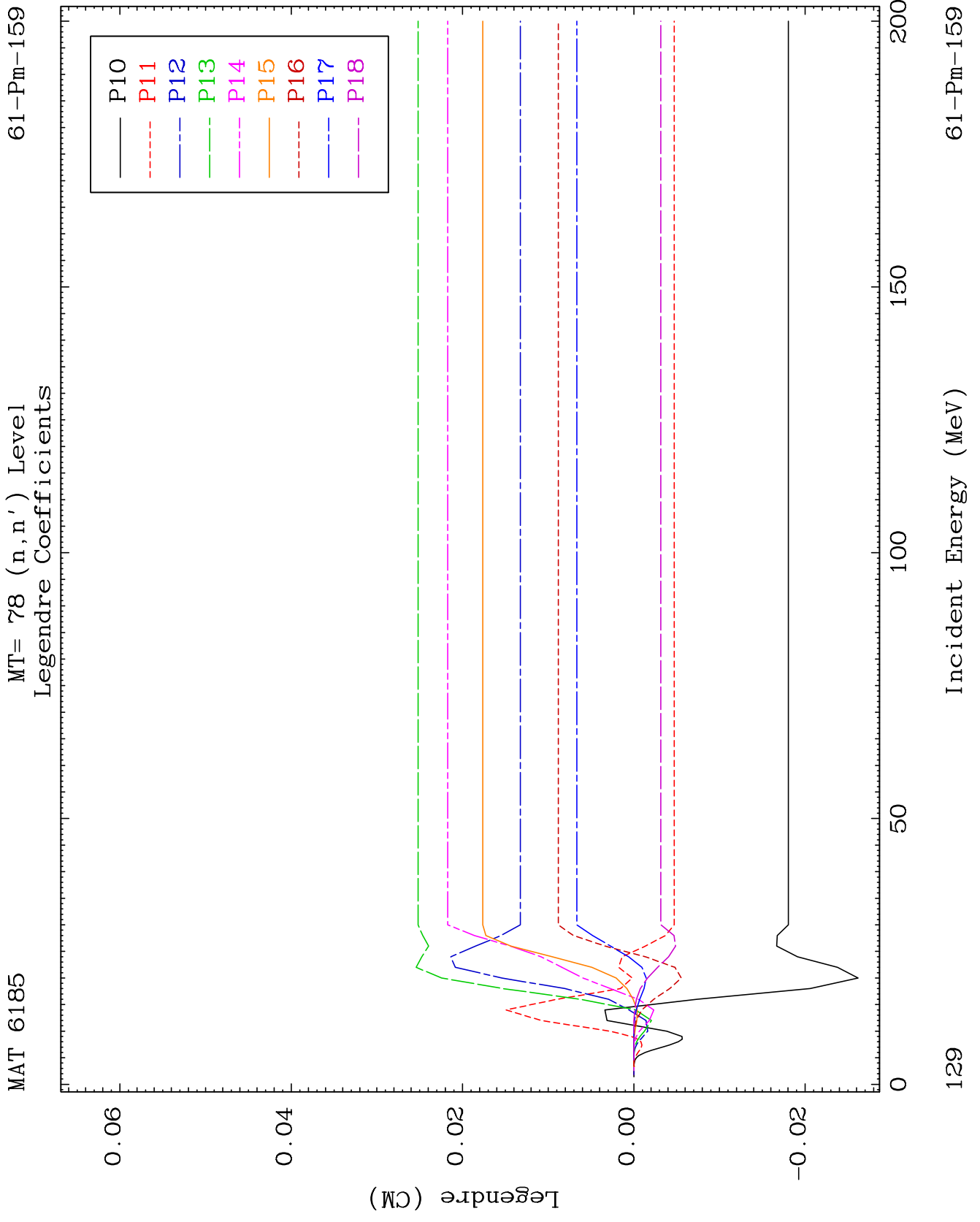
61-Pm-159



61-Pm-159

Incident Energy (MeV)

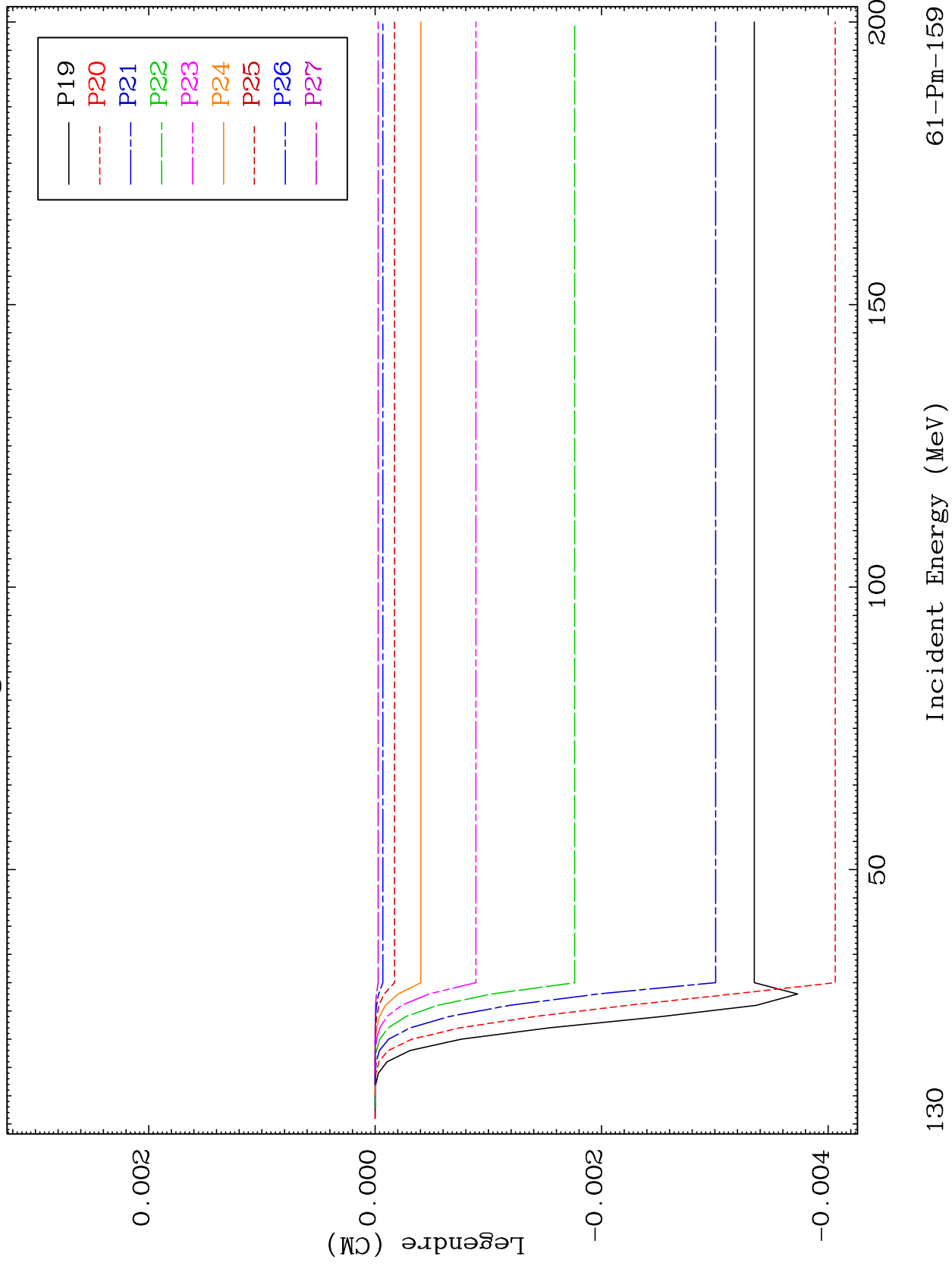
128

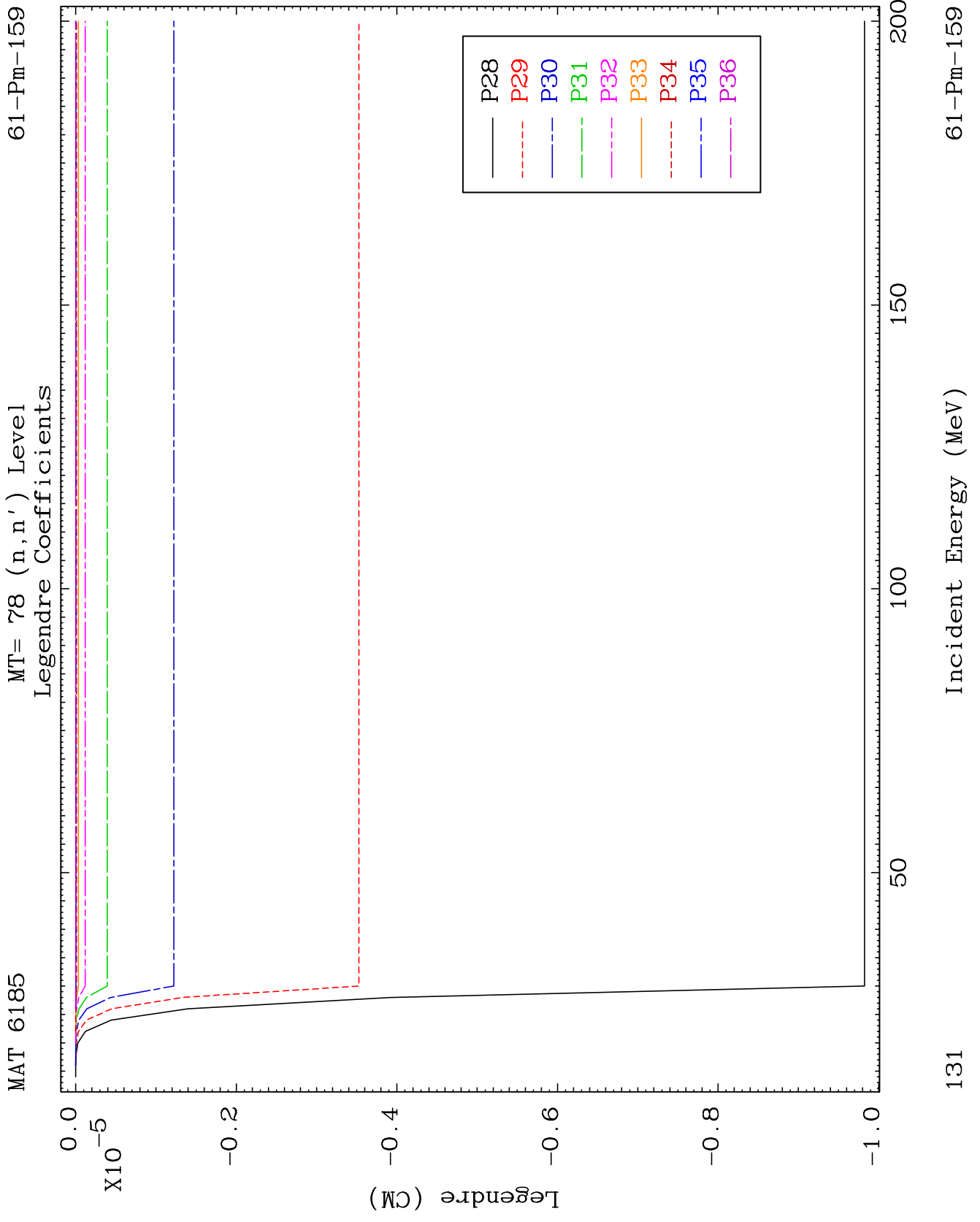


MAT 6185

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

61-Pm-159

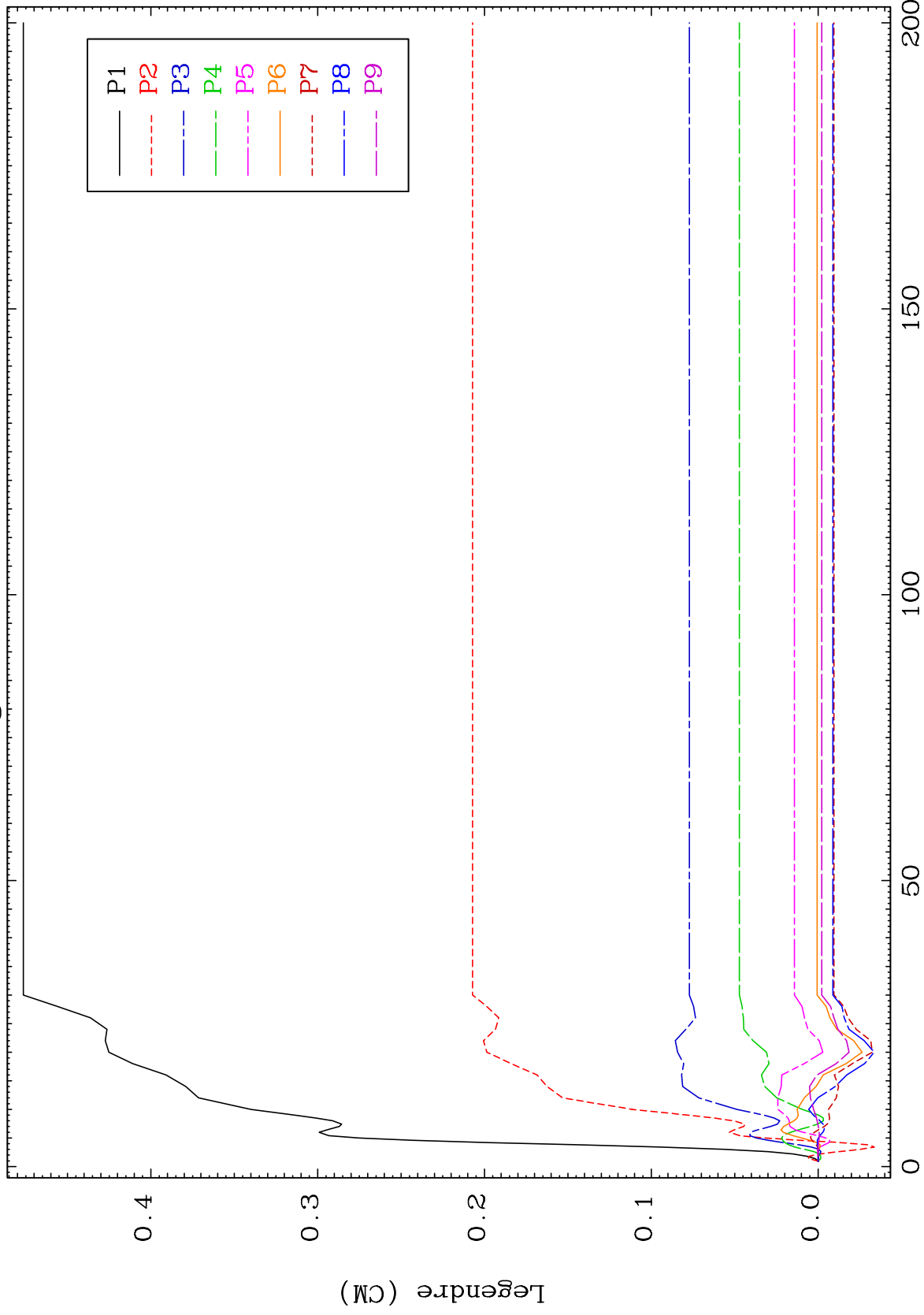




MAT 6185

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

61-Pm-159



132

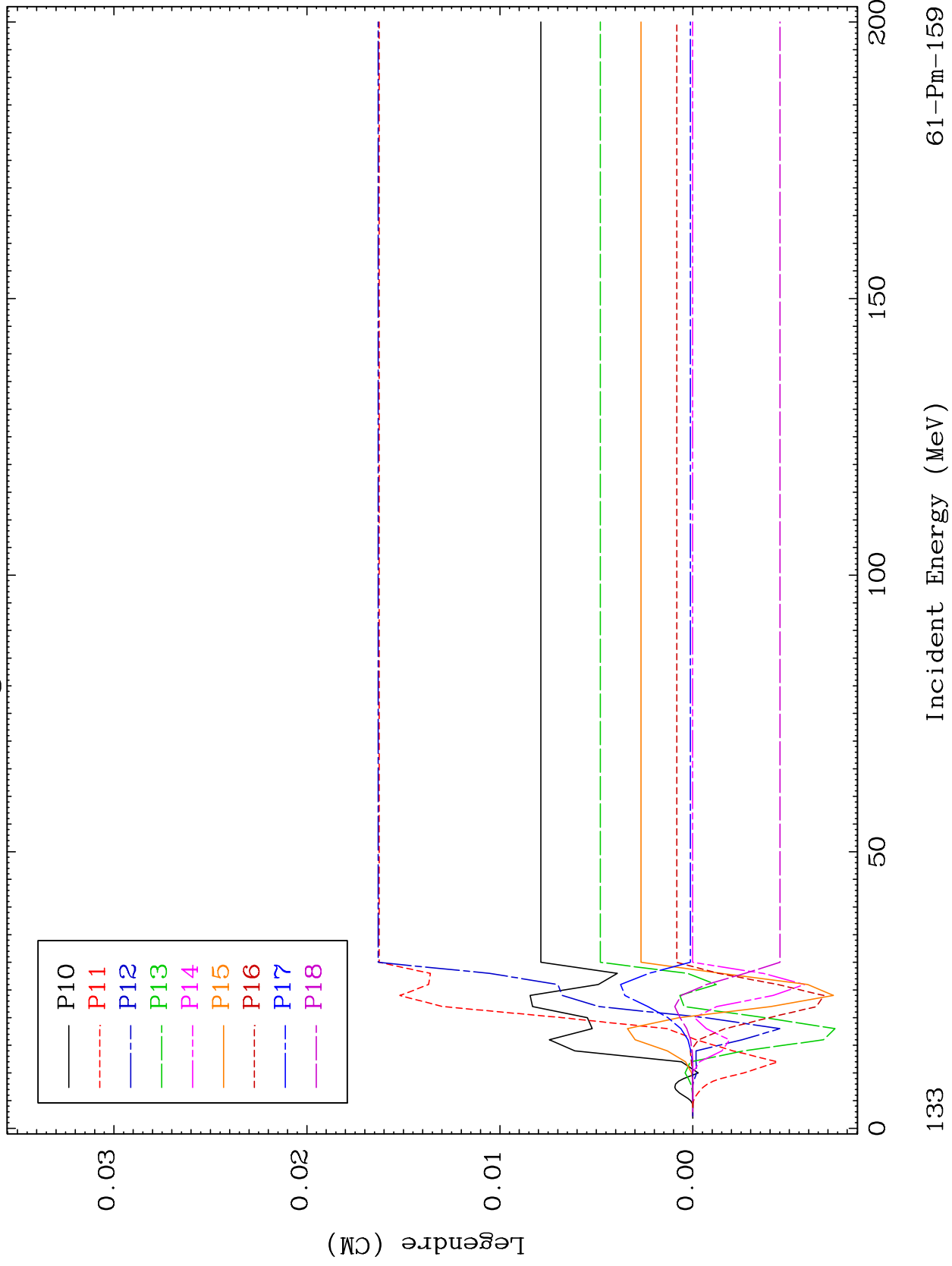
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



133

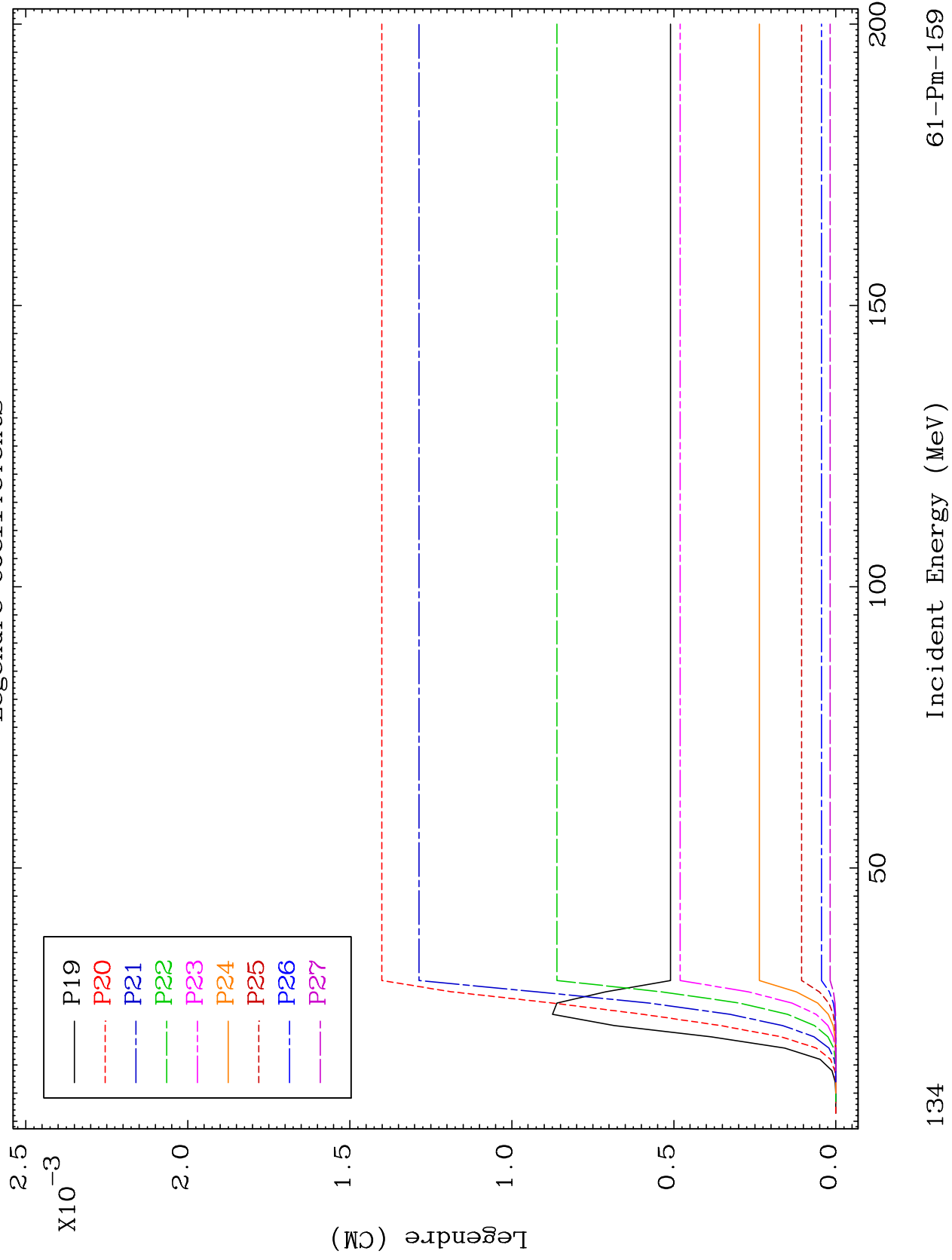
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

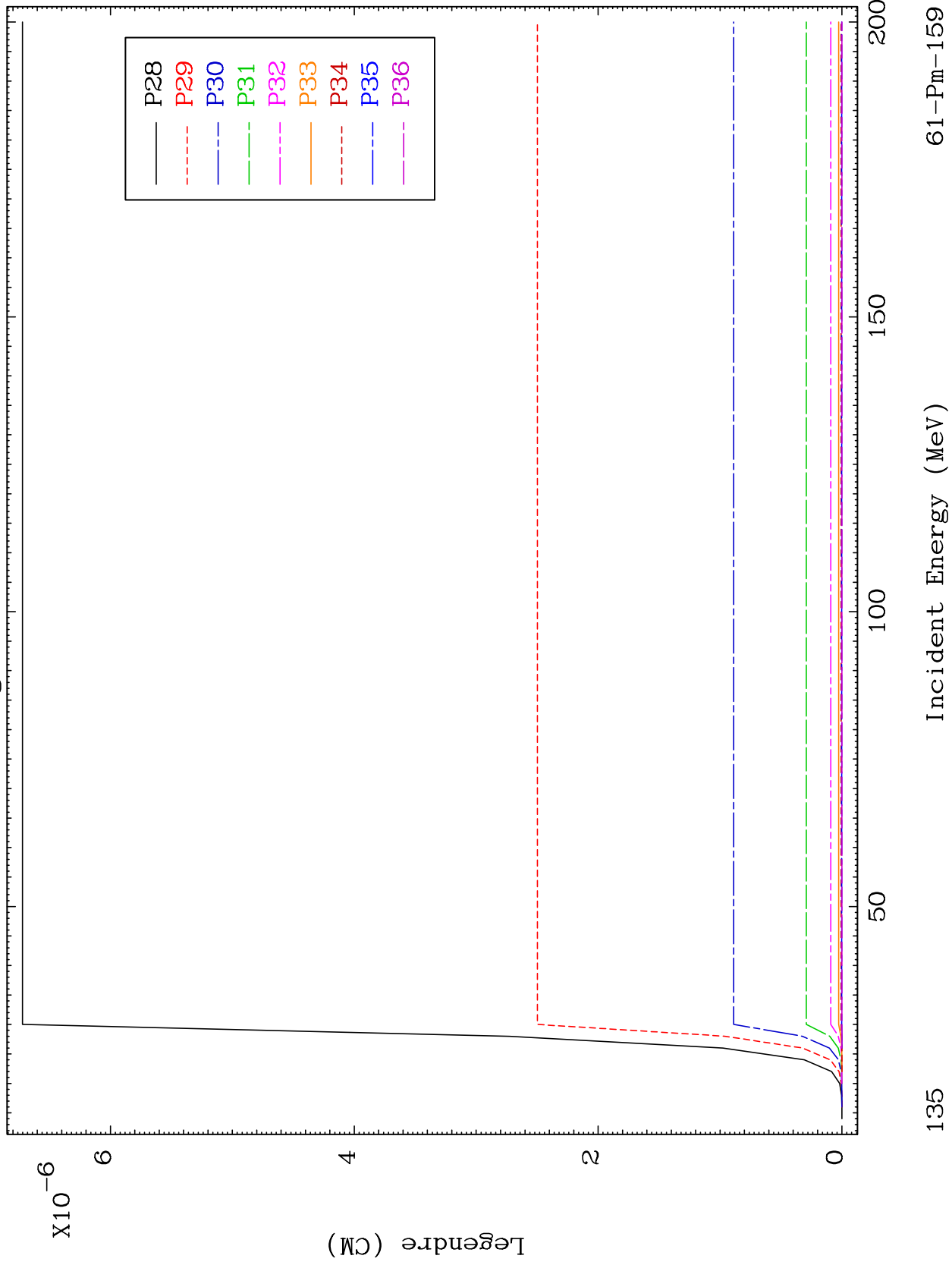
61-Pm-159



MAT 6185

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

61-Pm-159



135

Incident Energy (MeV)

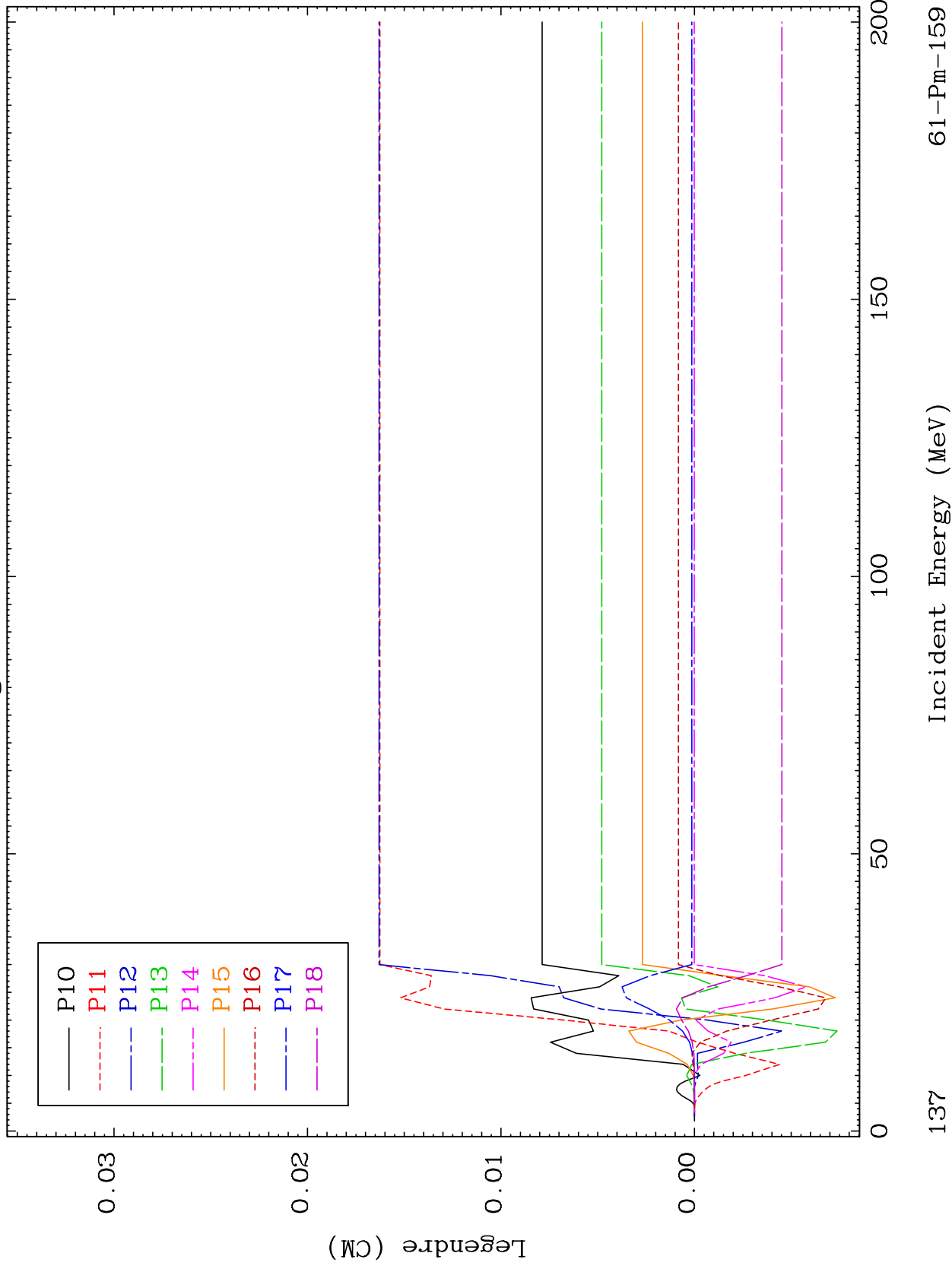
61-Pm-159



MAT 6185

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

61-Pm-159



137

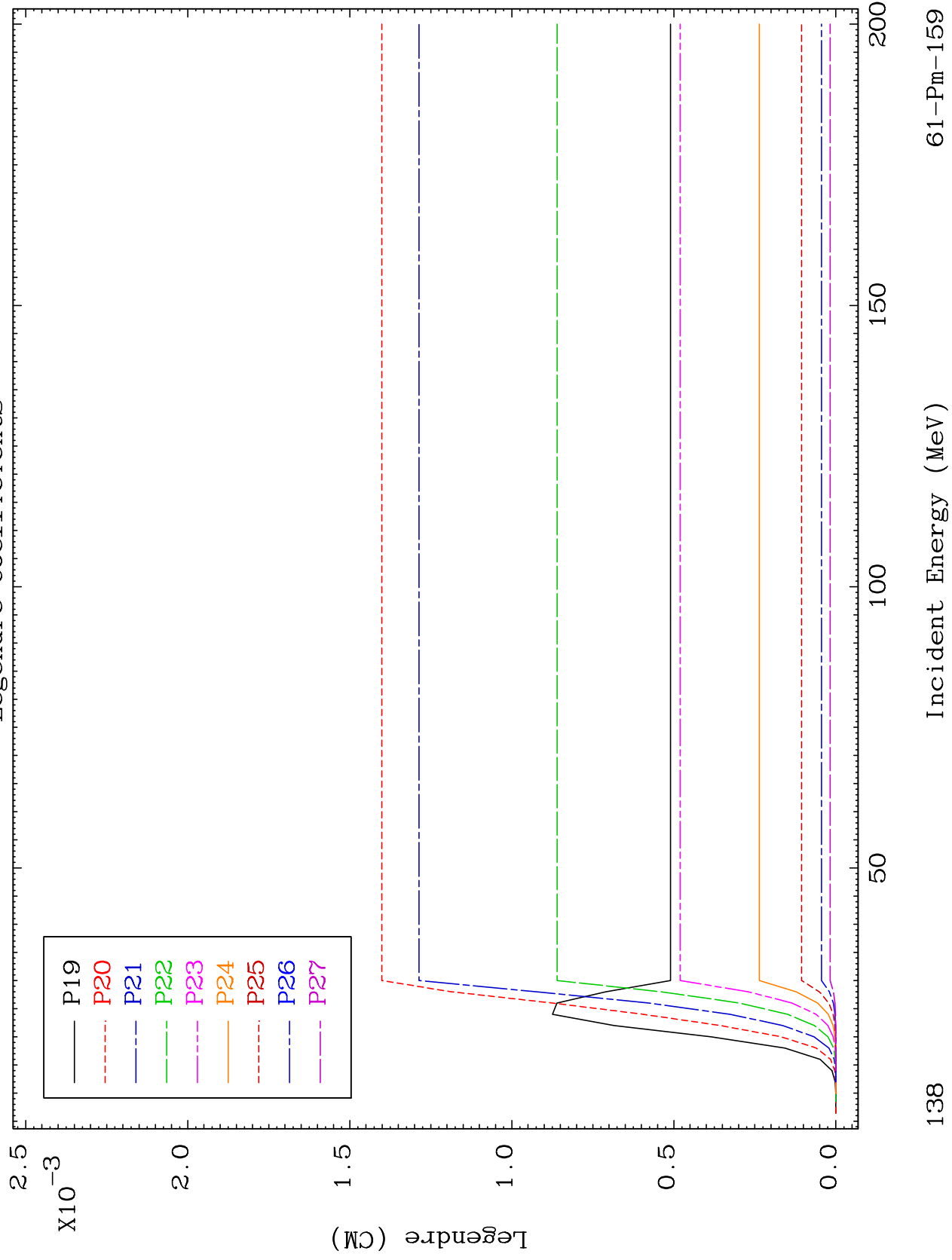
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

61-Pm-159



138

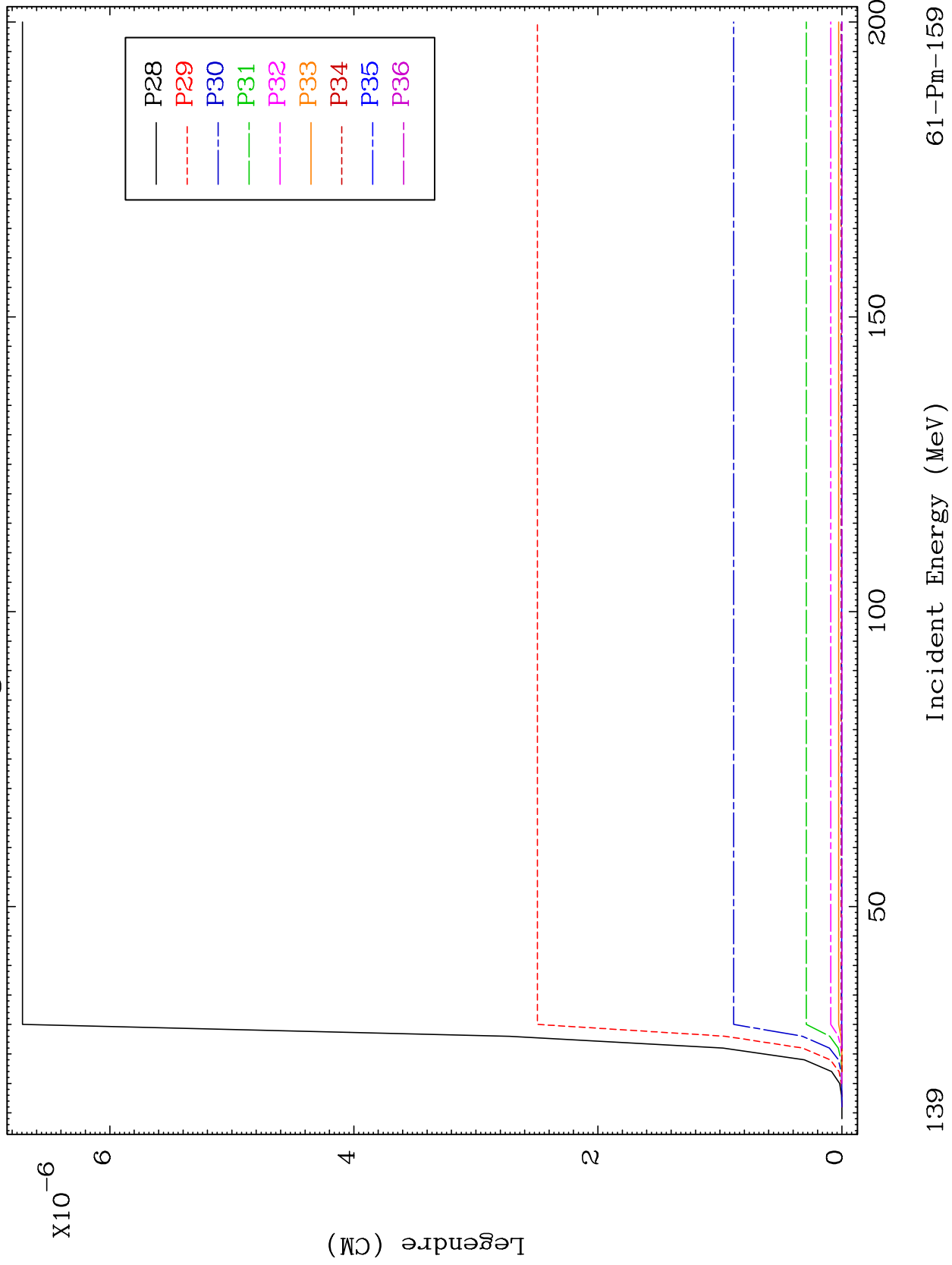
Incident Energy (MeV)

61-Pm-159

MAT 6185

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

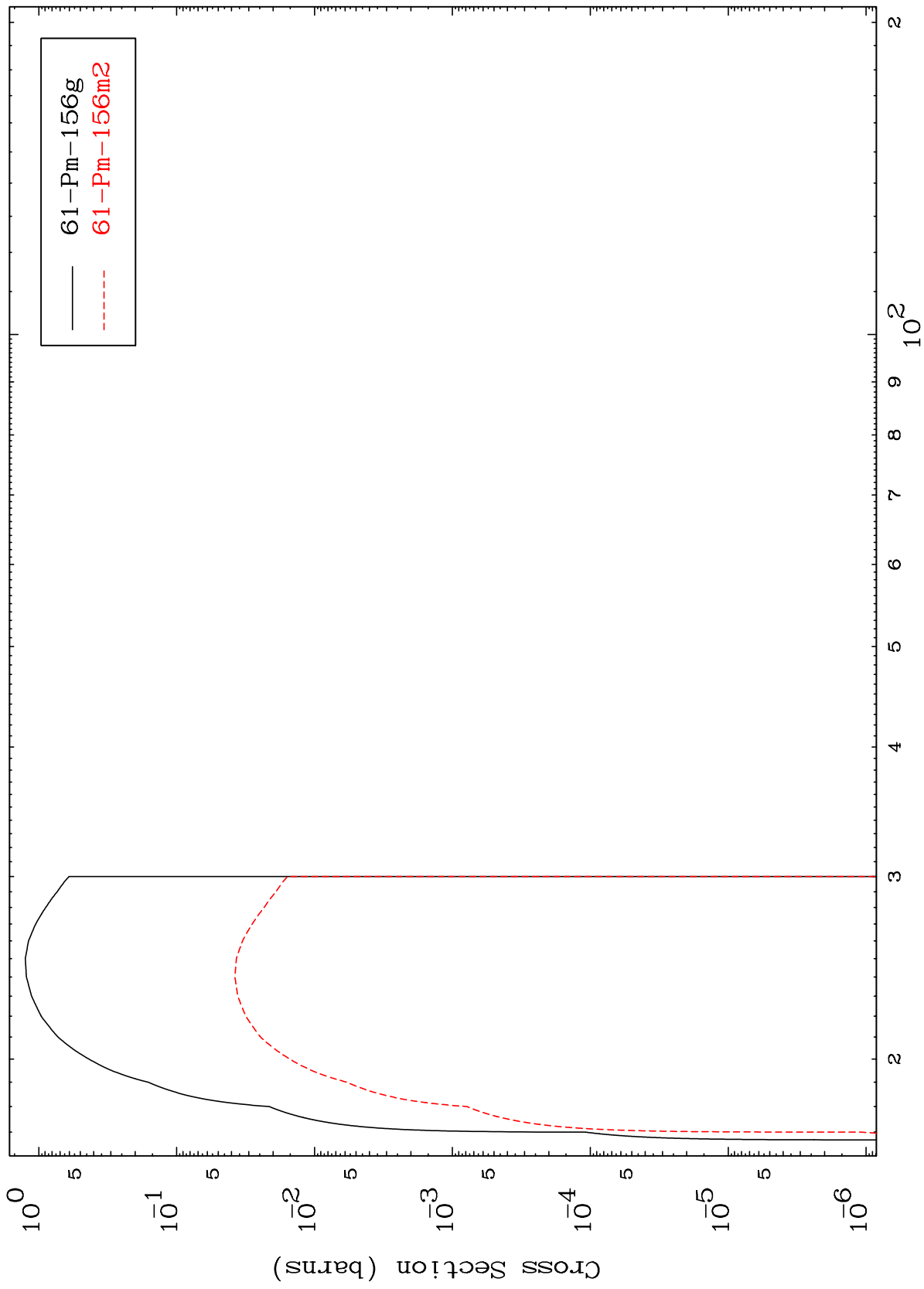
61-Pm-159



MAT 6185

61-Pm-159

(n,4n)  
Radionuclide Production Cross Section



61-Pm-159

Incident Energy (MeV)

140