

Program EVALPLOT  
(Version 2018-1)

by

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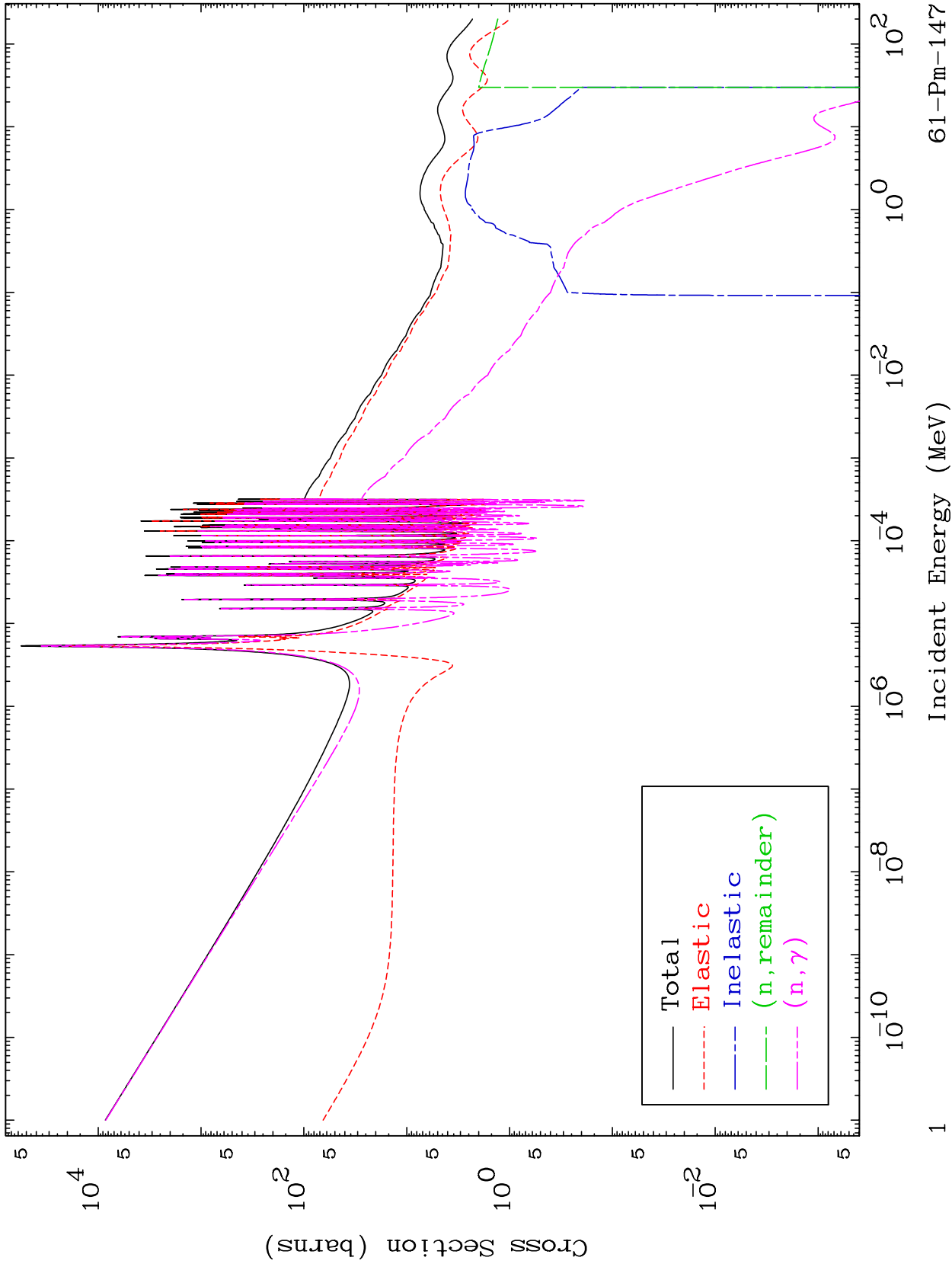
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6149

Major  
293 Kelvin Cross Sections

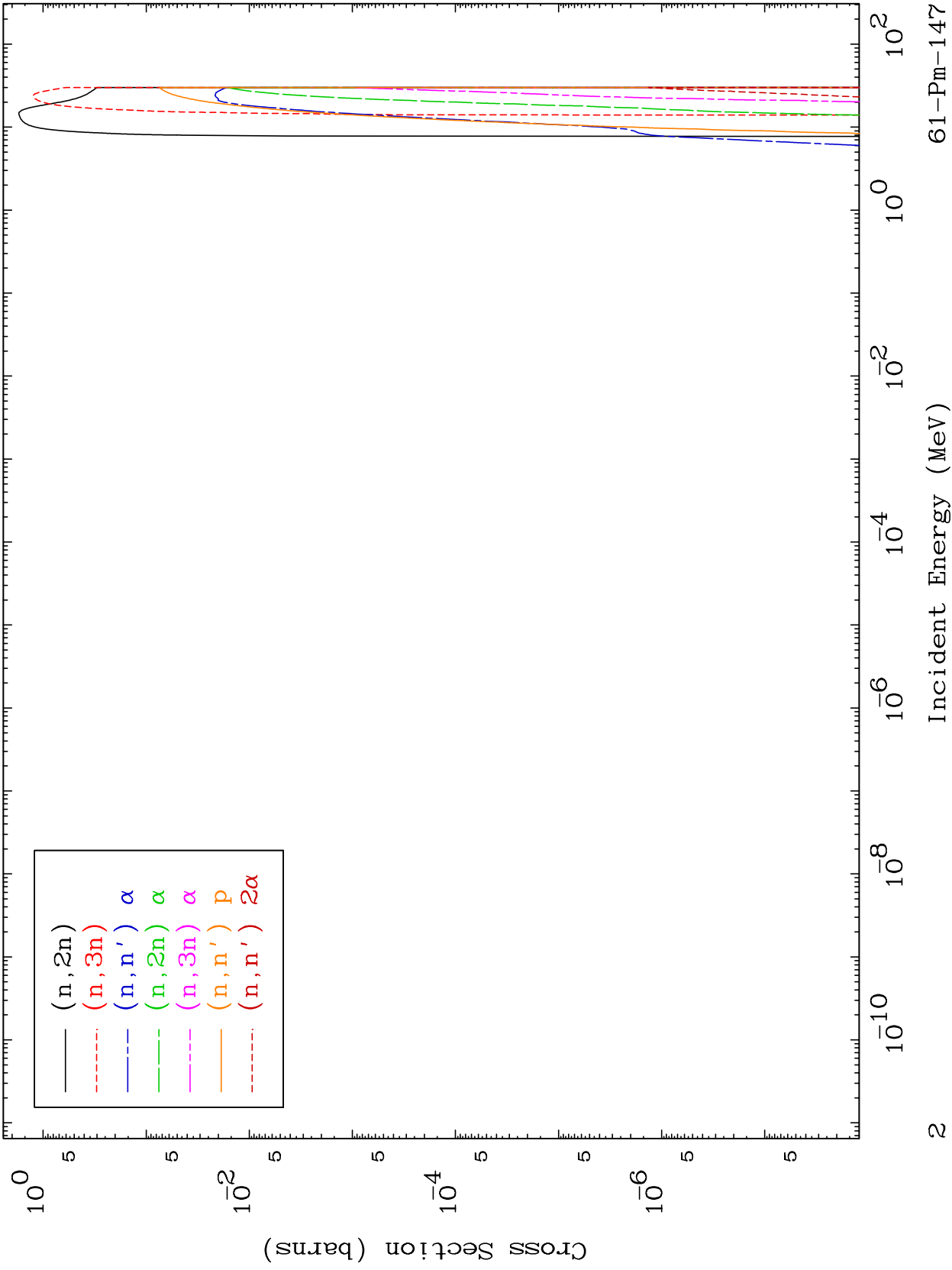
61-Pm-147

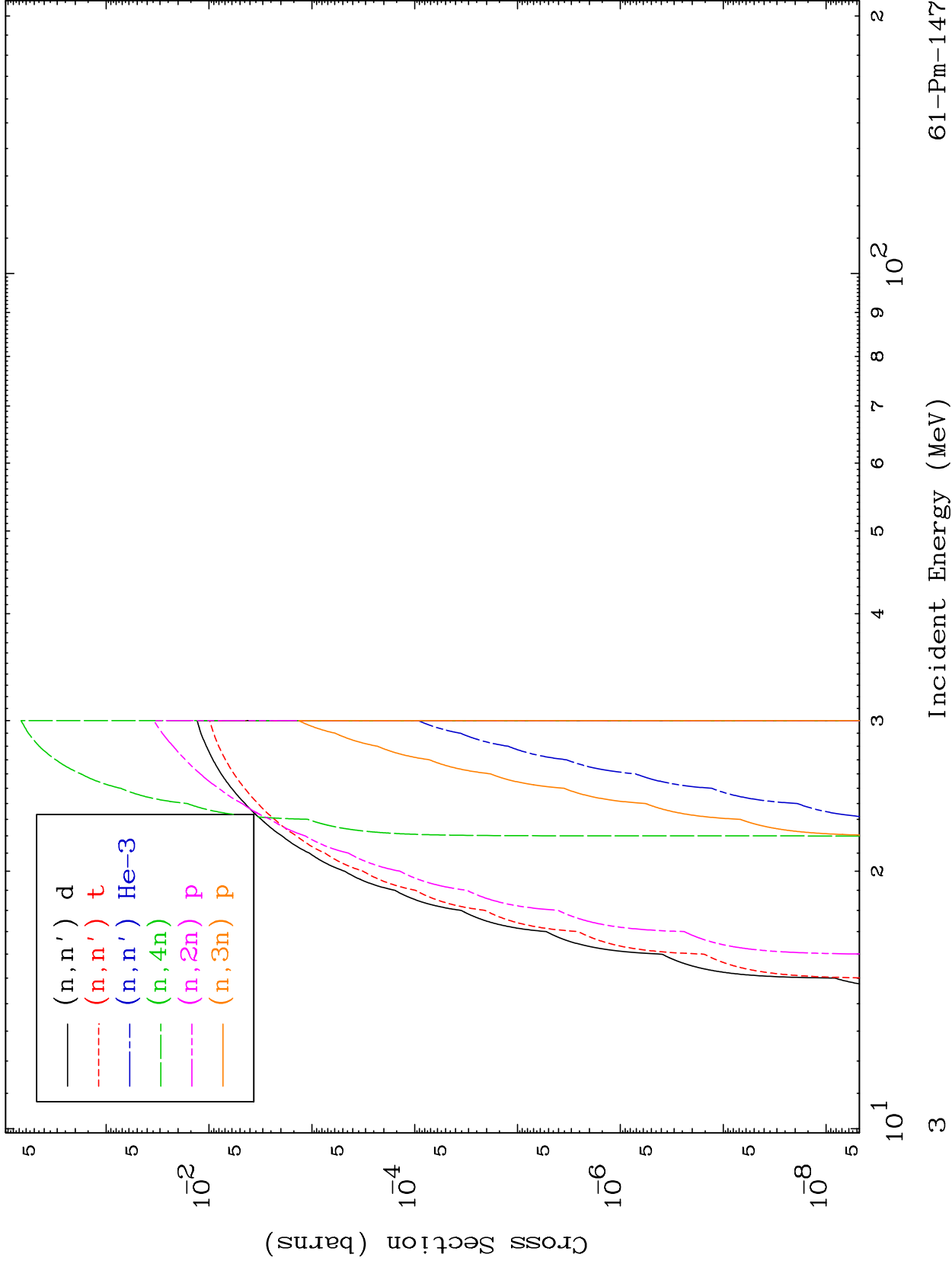


MAT 6149

Neutron Production  
293 Kelvin Cross Sections

61-Pm-147

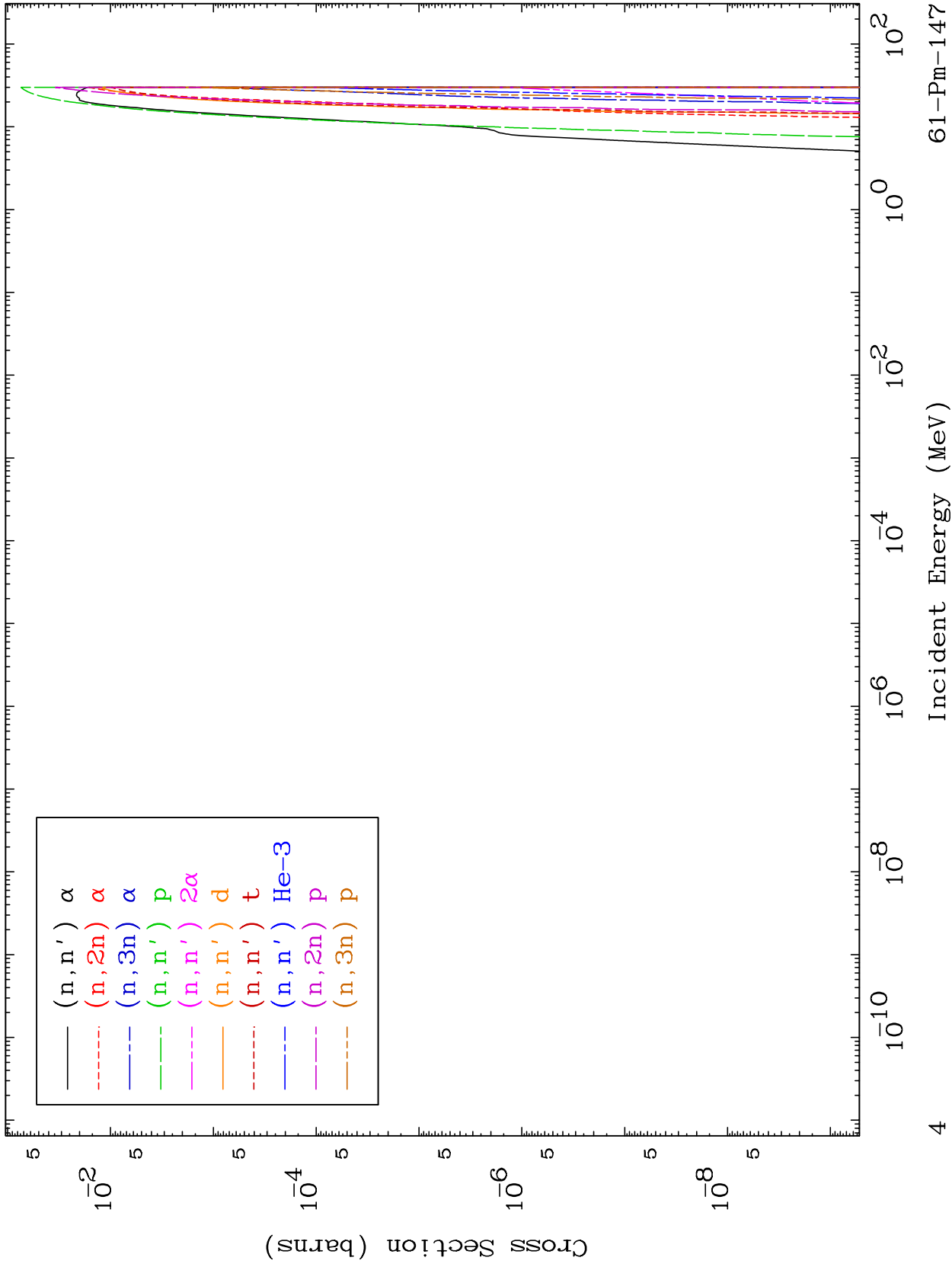




MAT 6149

Charged Particle  
293 Kelvin Cross Sections

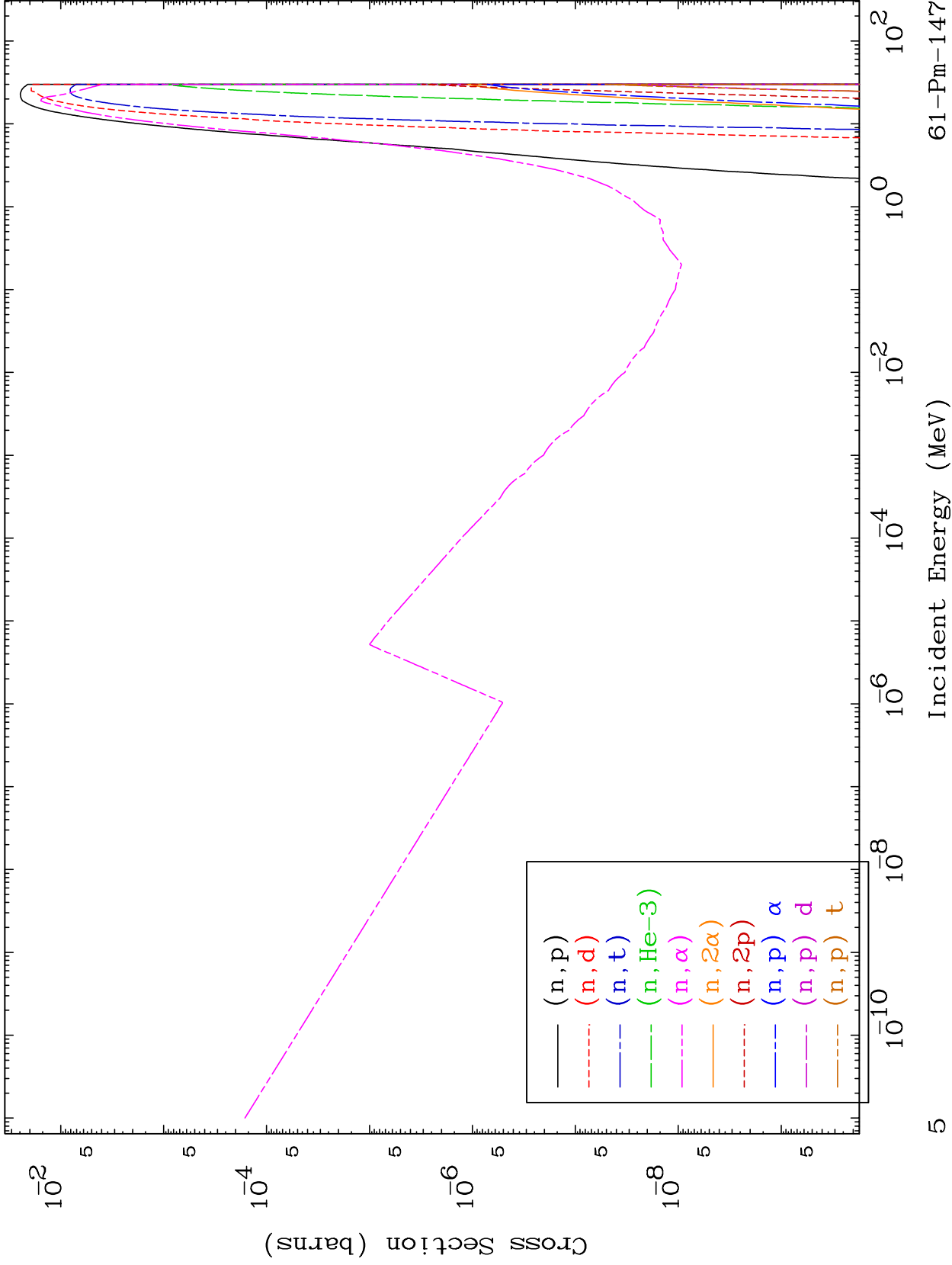
61-Pm-147



MAT 6149

Charged Particle  
293 Kelvin Cross Sections

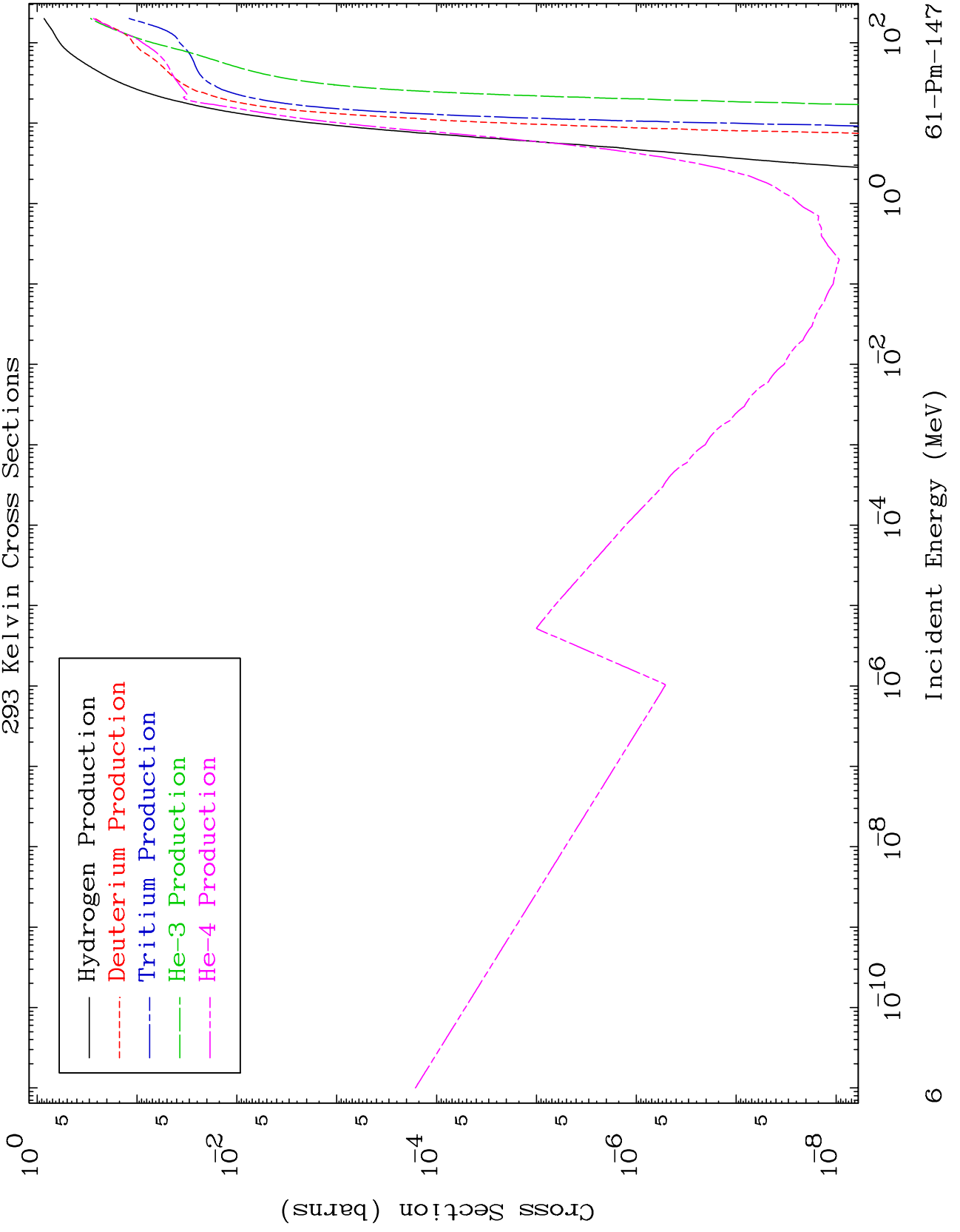
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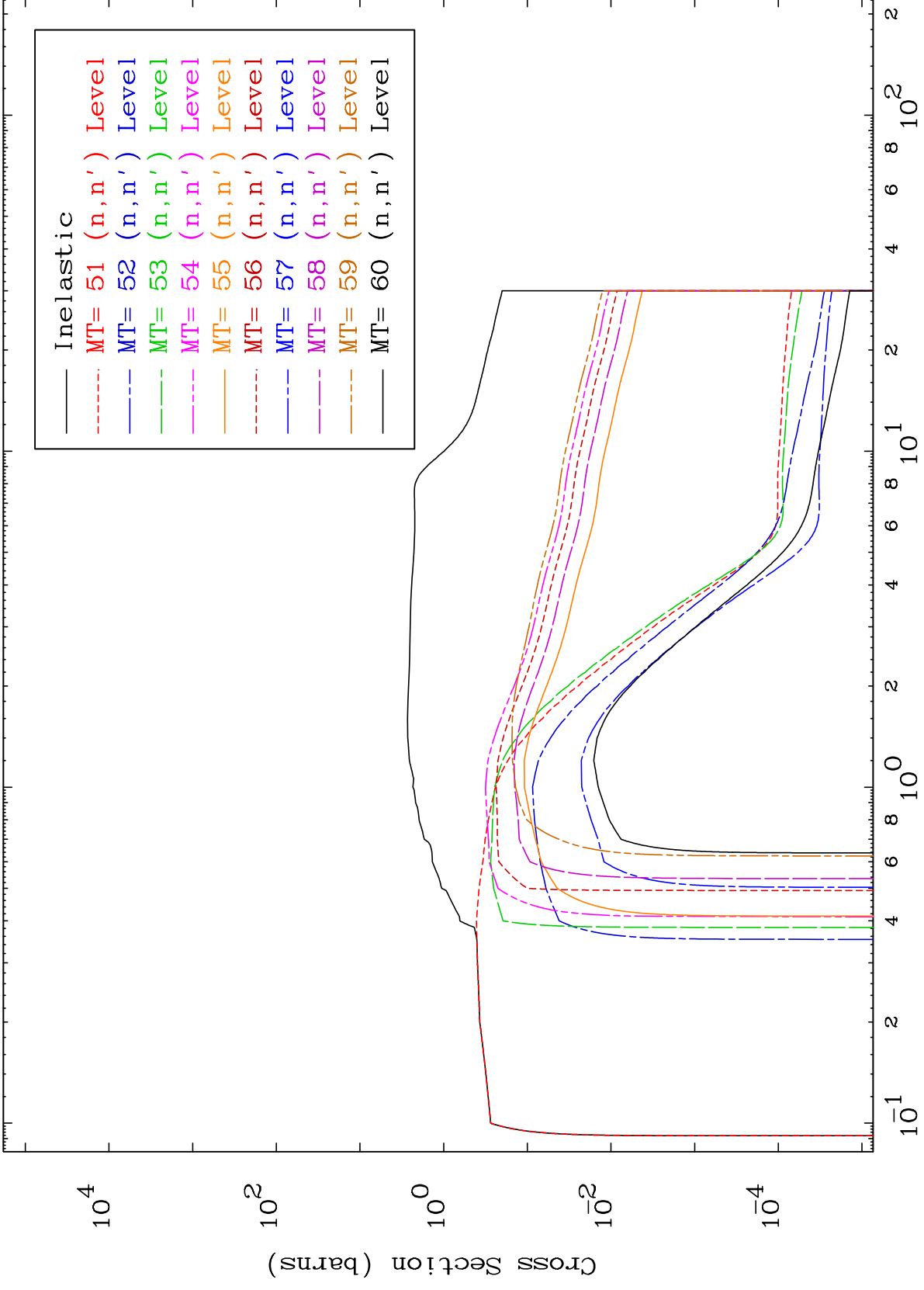
MAT 6149

Particle Production  
293 Kelvin Cross Sections

61-Pm-147



293 Kelvin Cross Sections



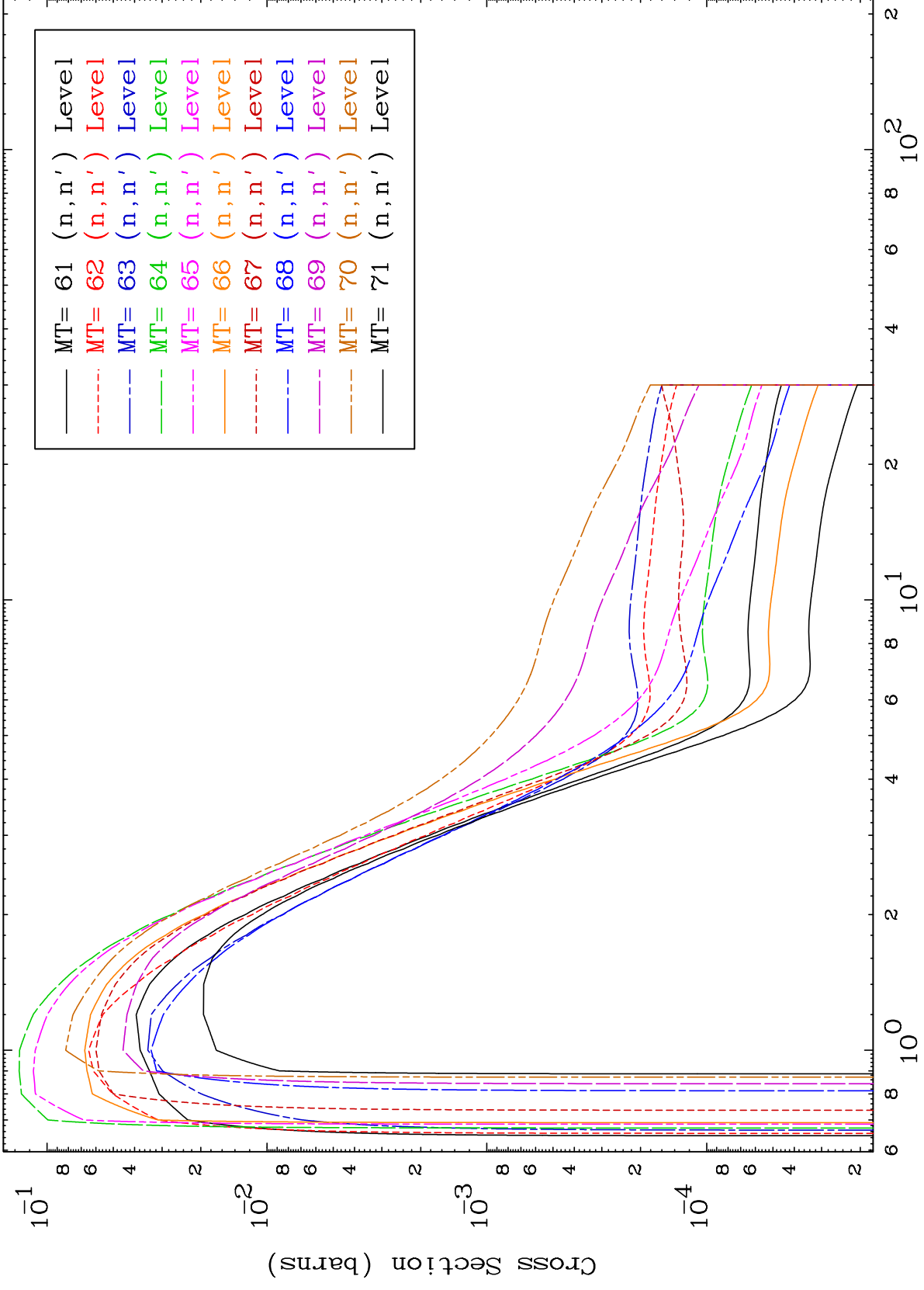


MAT 6149

(n,n') Level

61-Pm-147

293 Kelvin Cross Sections

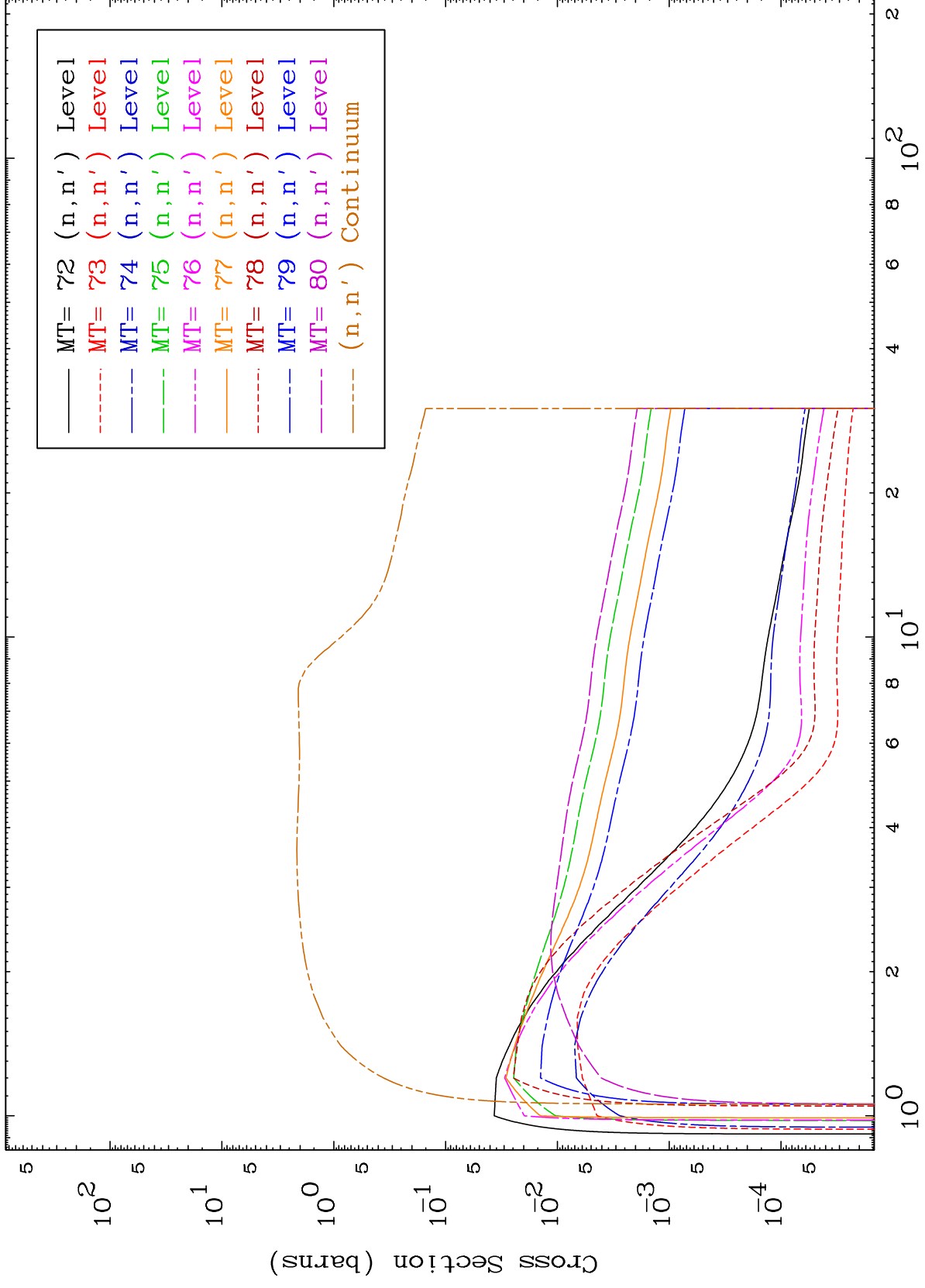


Incident Energy (MeV)

61-Pm-147

8

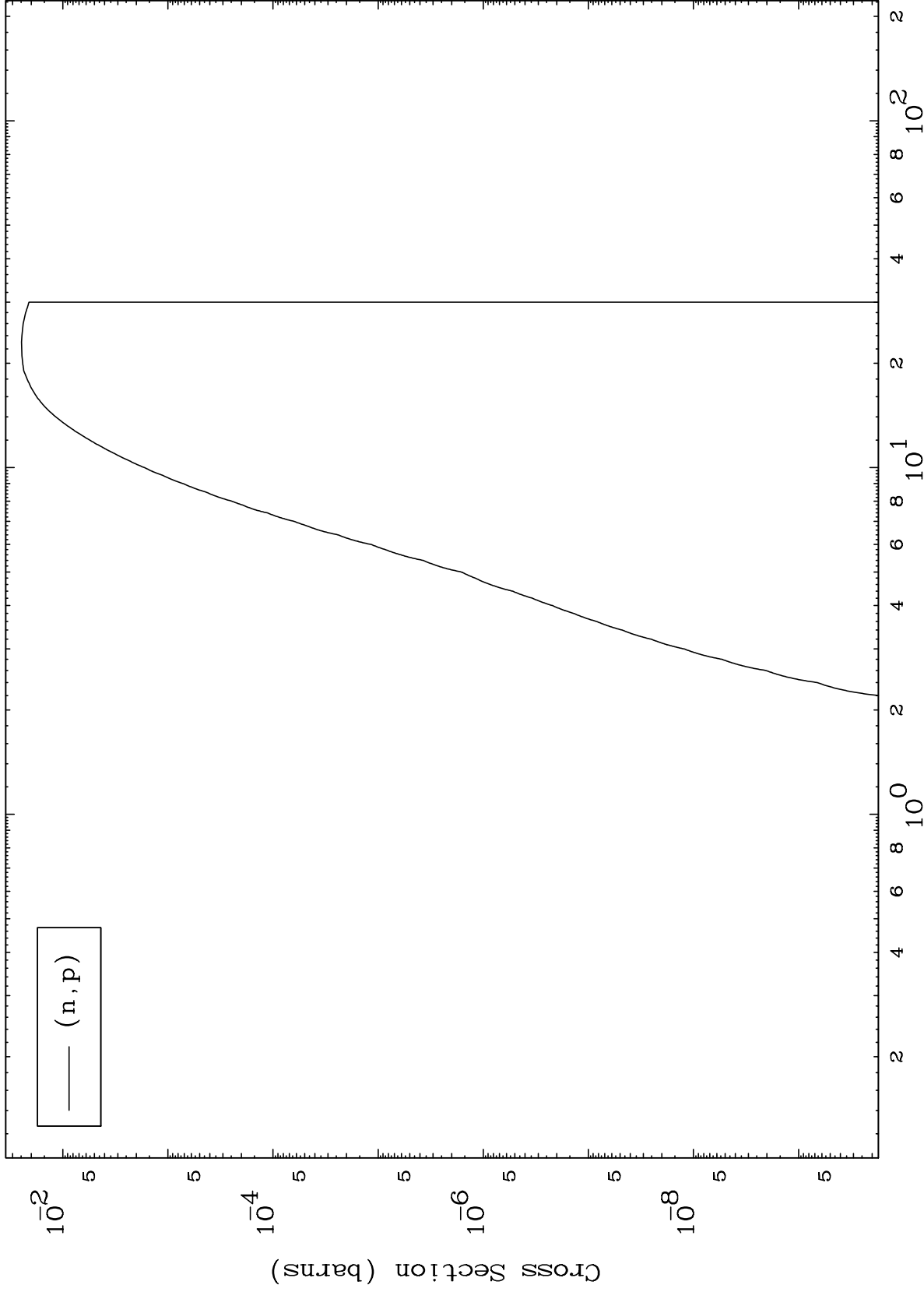
293 Kelvin Cross Sections



MAT 6149

(n,p) Levels  
293 Kelvin Cross Sections

61-Pm-147



10

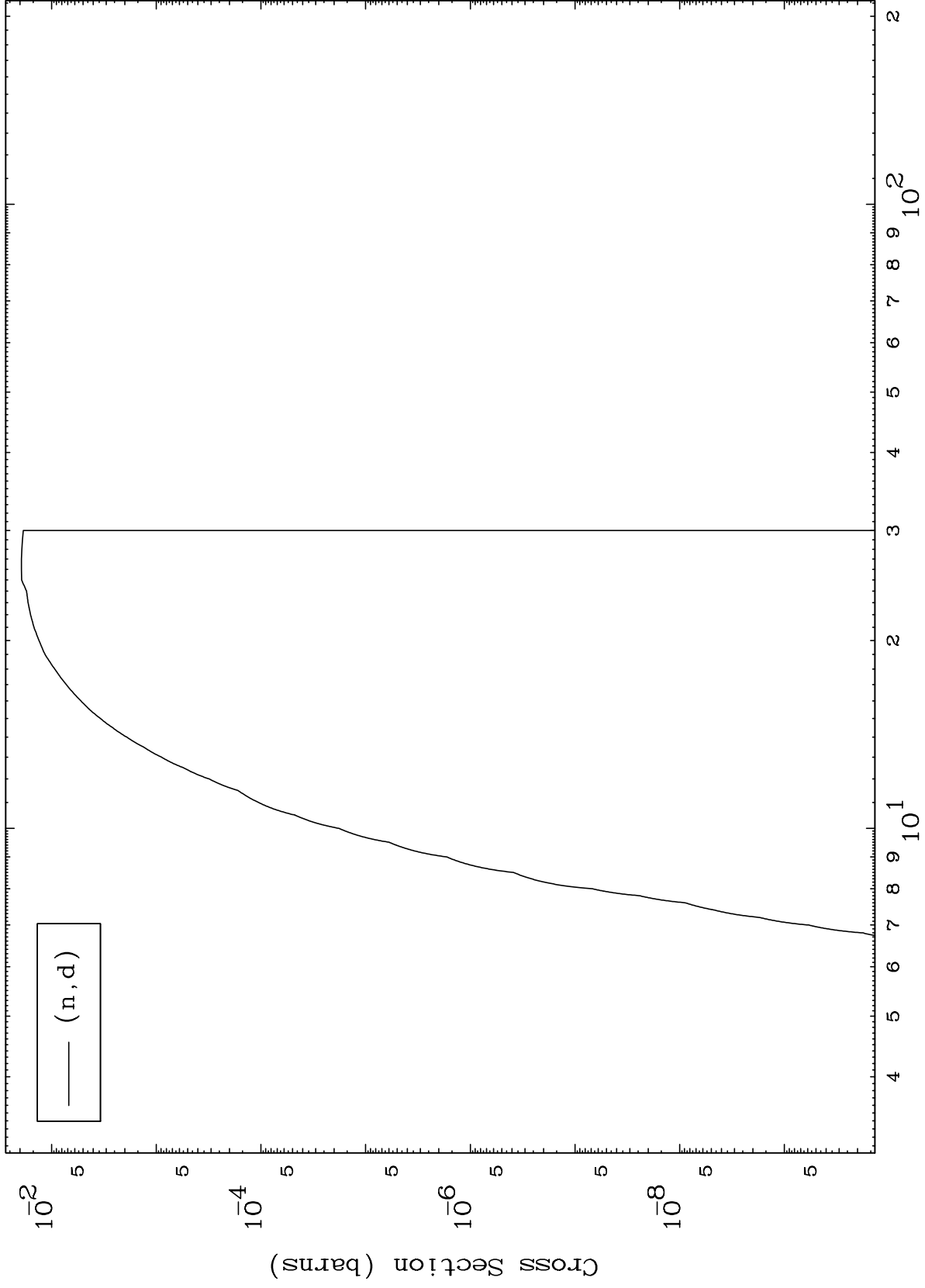
Incident Energy (MeV)

61-Pm-147

MAT 6149

(n,d) Levels  
293 Kelvin Cross Sections

61-Pm-147

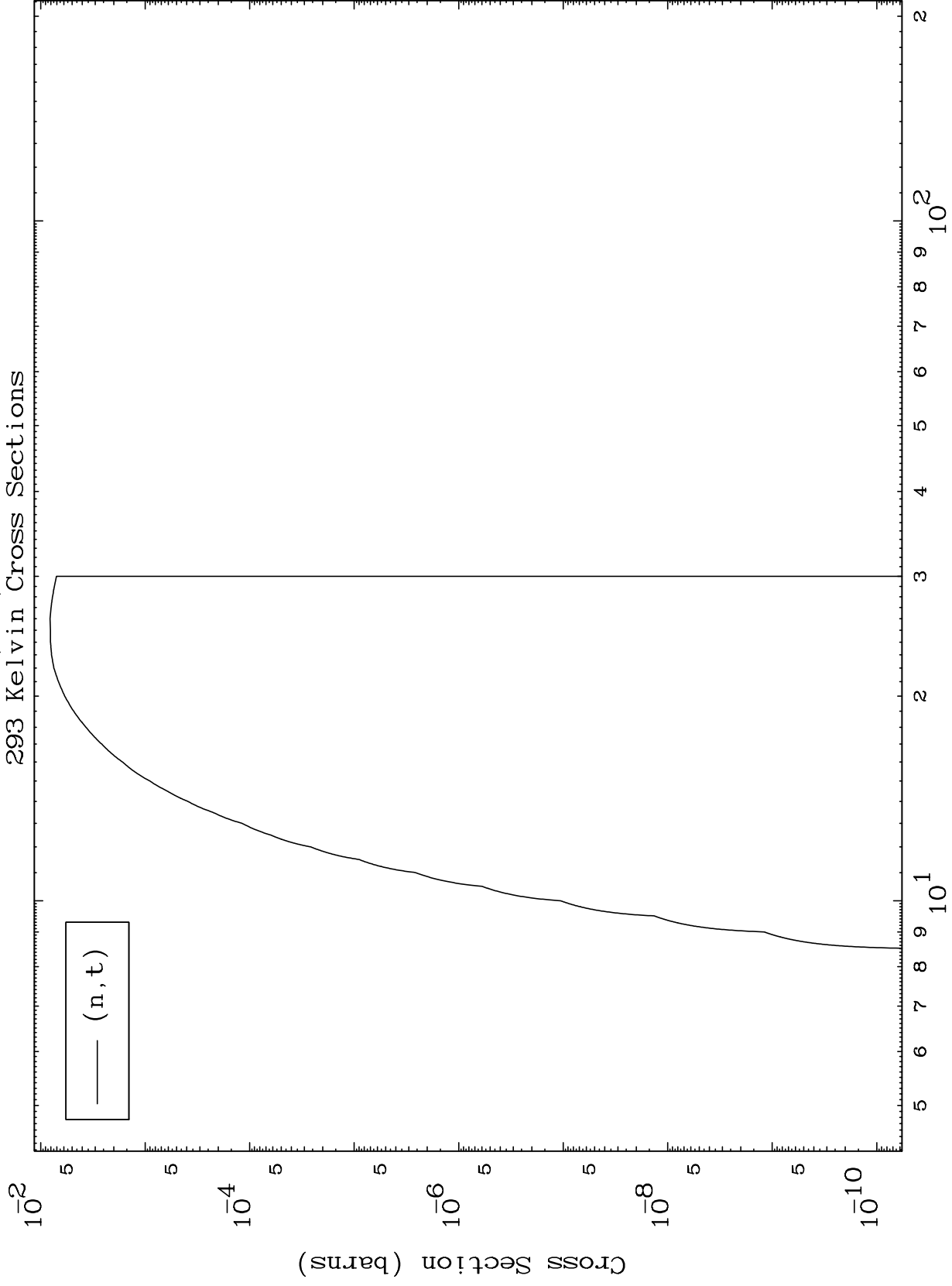


(n,d)

MAT 6149

(n,t) Levels  
293 Kelvin Cross Sections

61-Pm-147



12

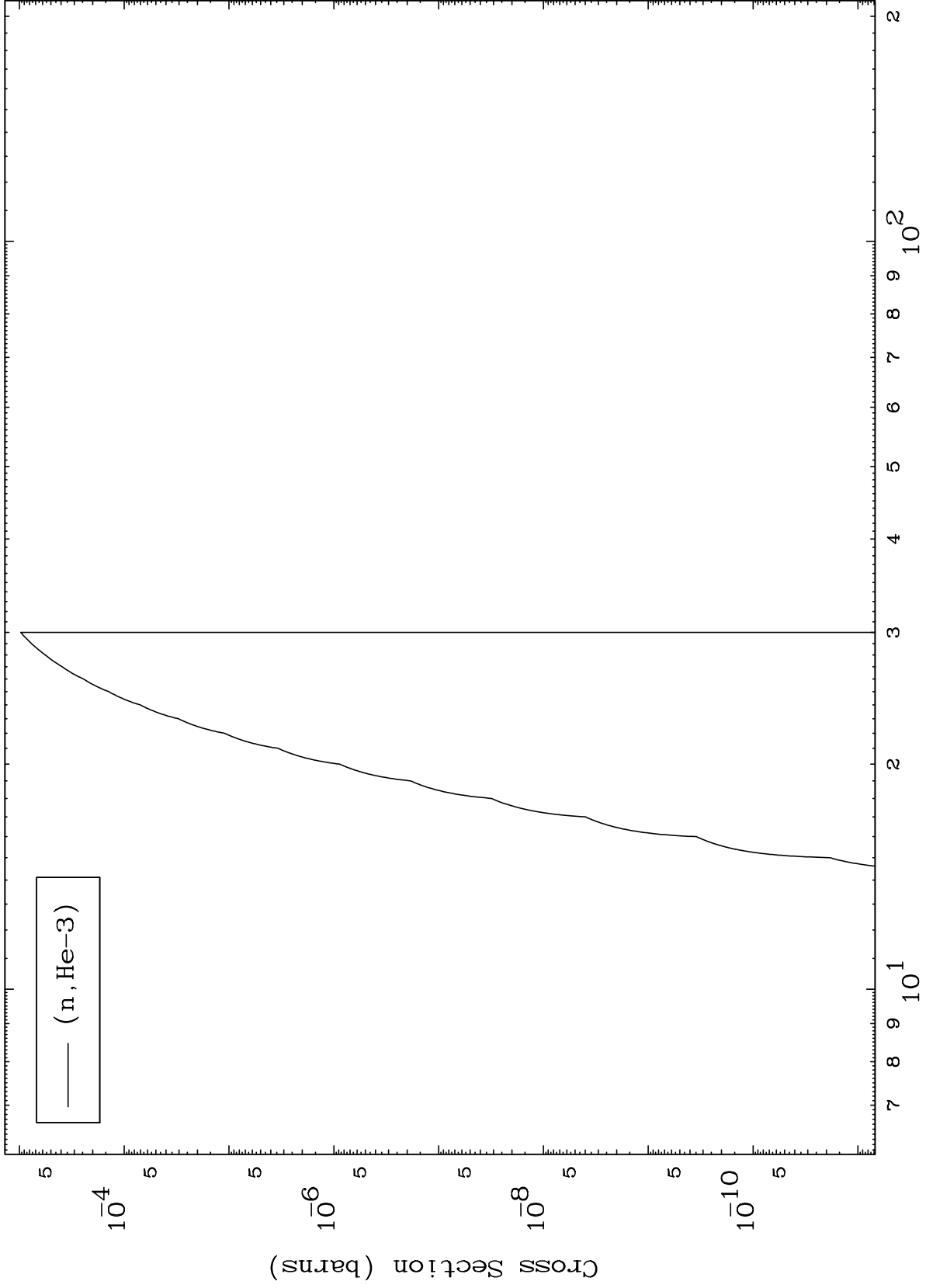
Incident Energy (MeV)

61-Pm-147

MAT 6149

(n,He3) Levels  
293 Kelvin Cross Sections

61-Pm-147



13

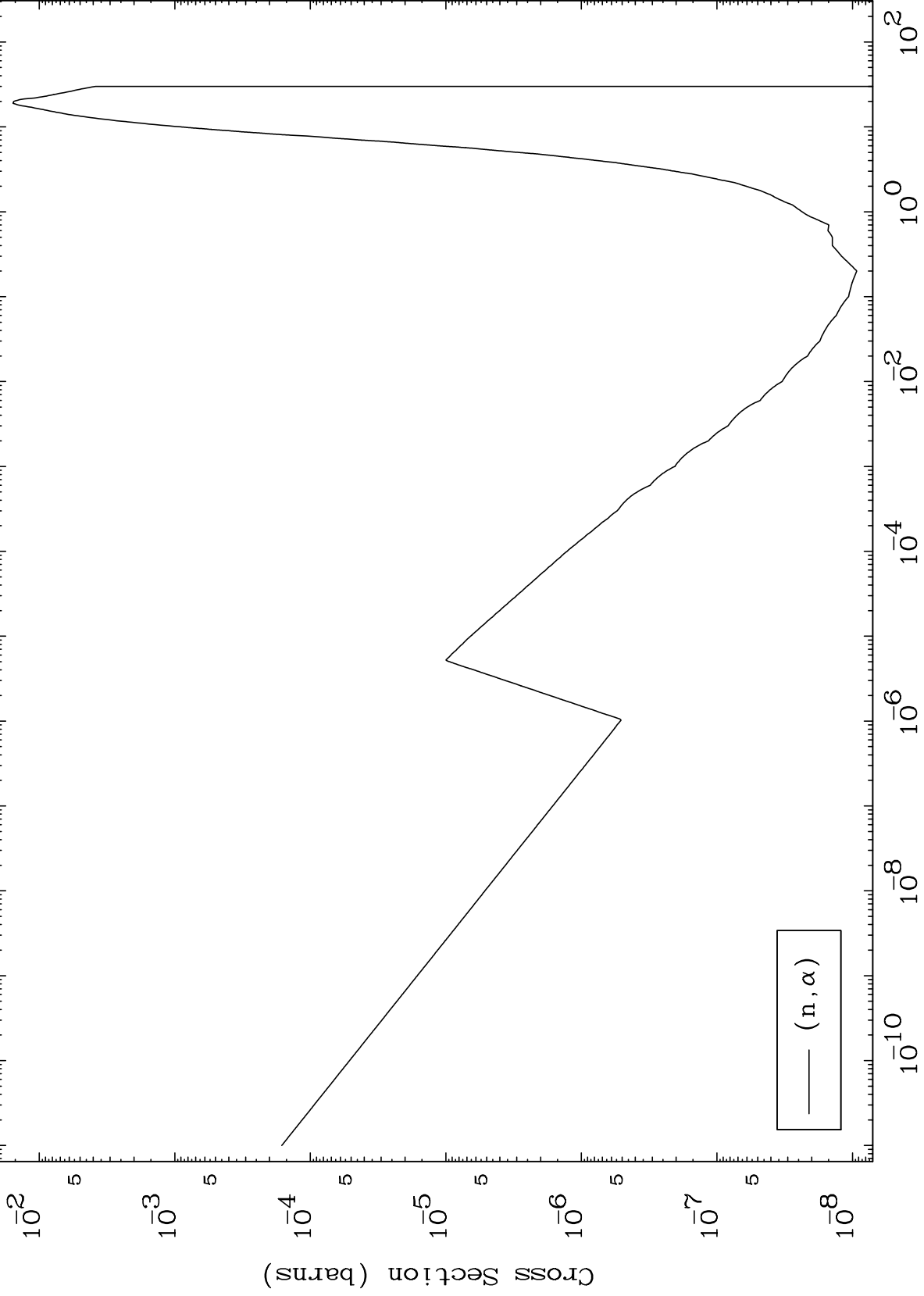
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147

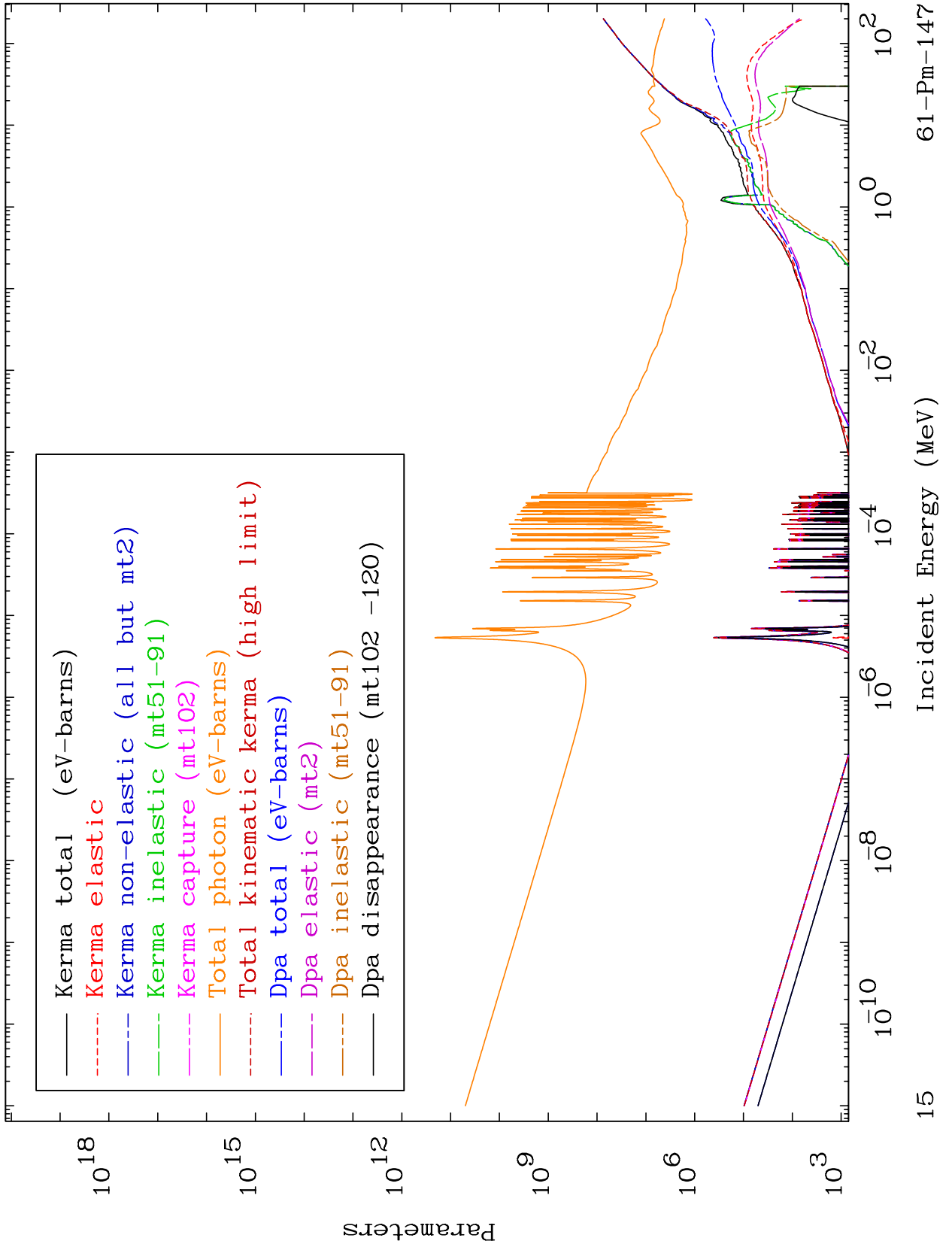


(n,  $\alpha$ )

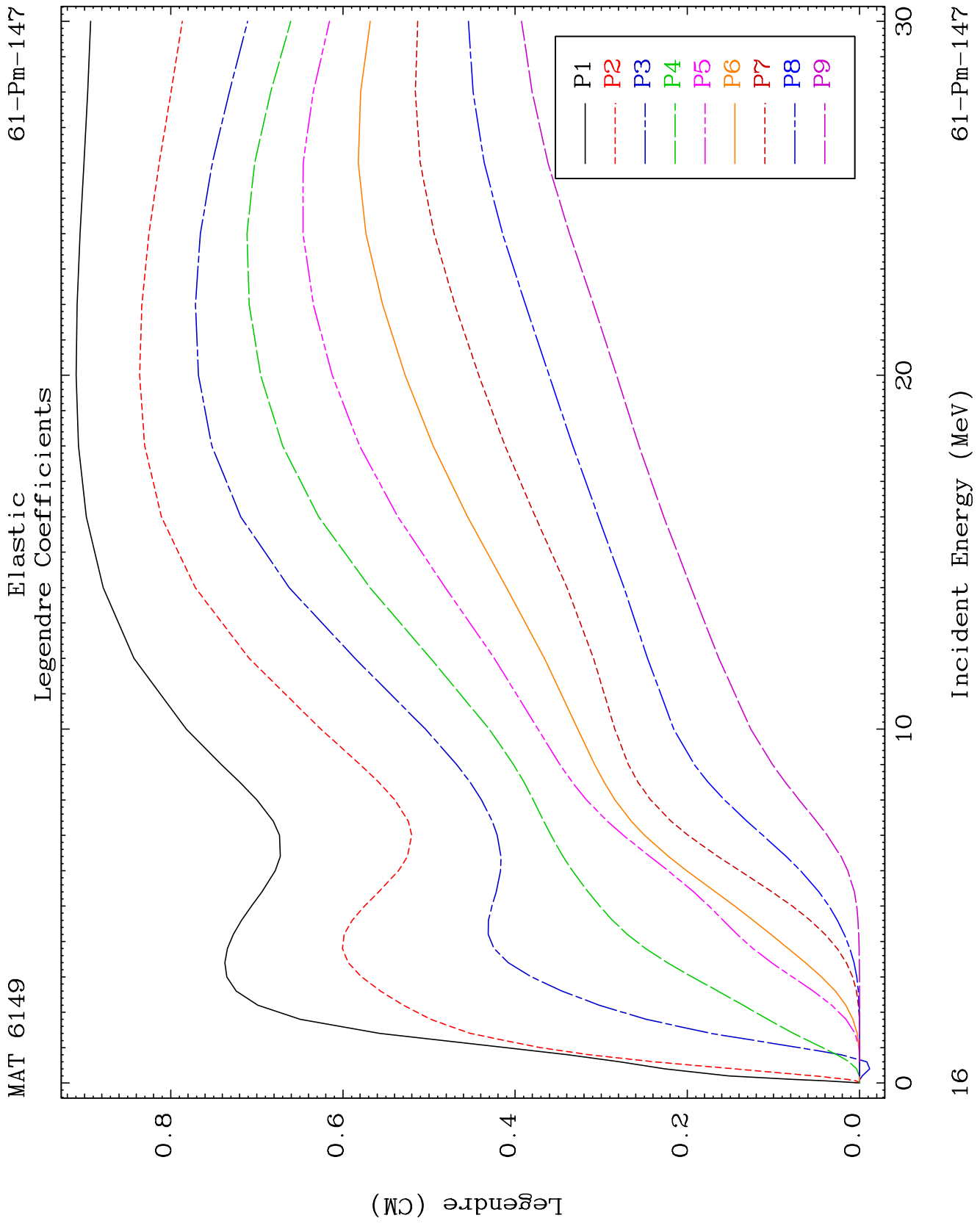
61-Pm-147

Incident Energy (MeV)

14



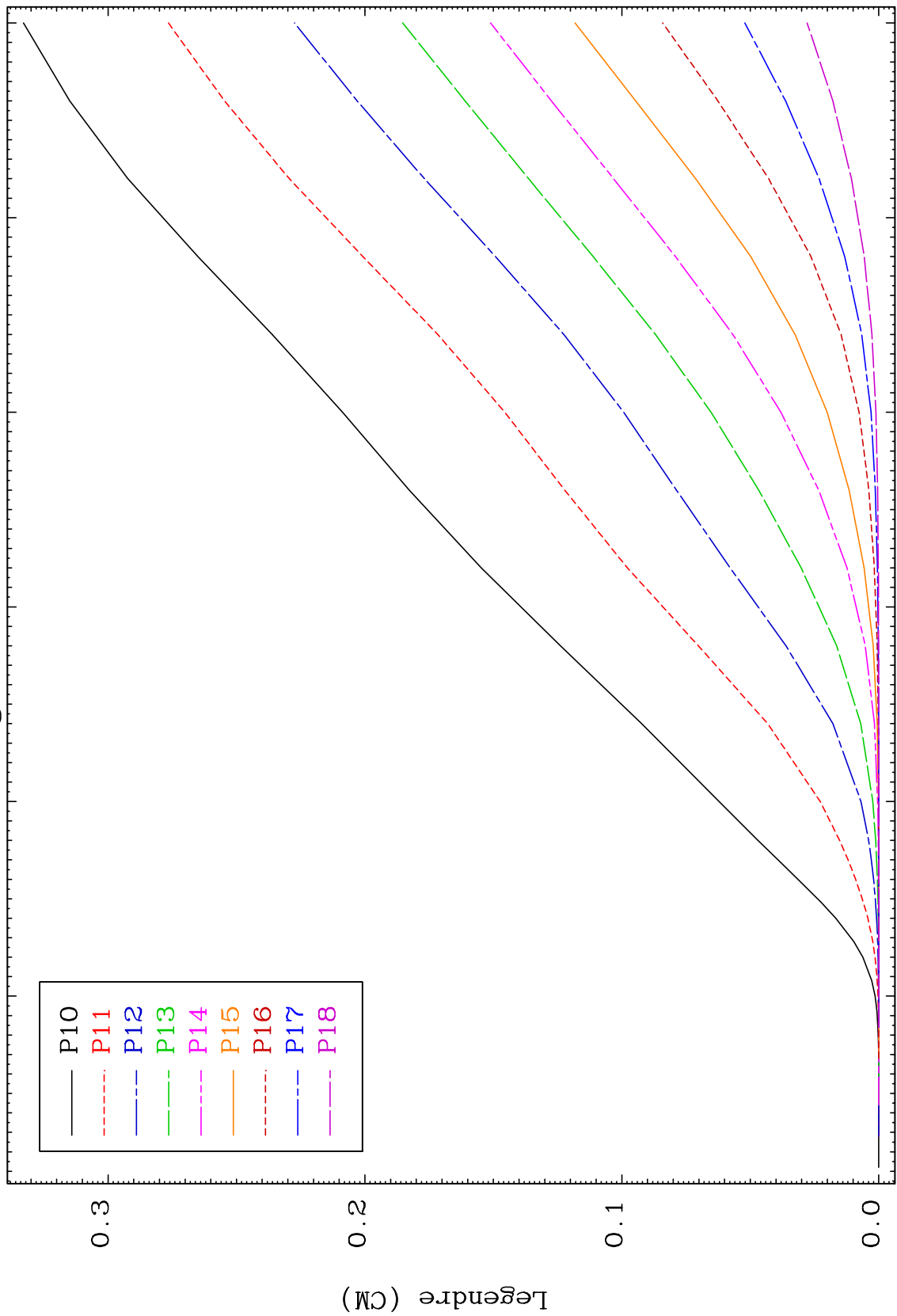




MAT 6149

Elastic  
Legendre Coefficients

61-Pm-147



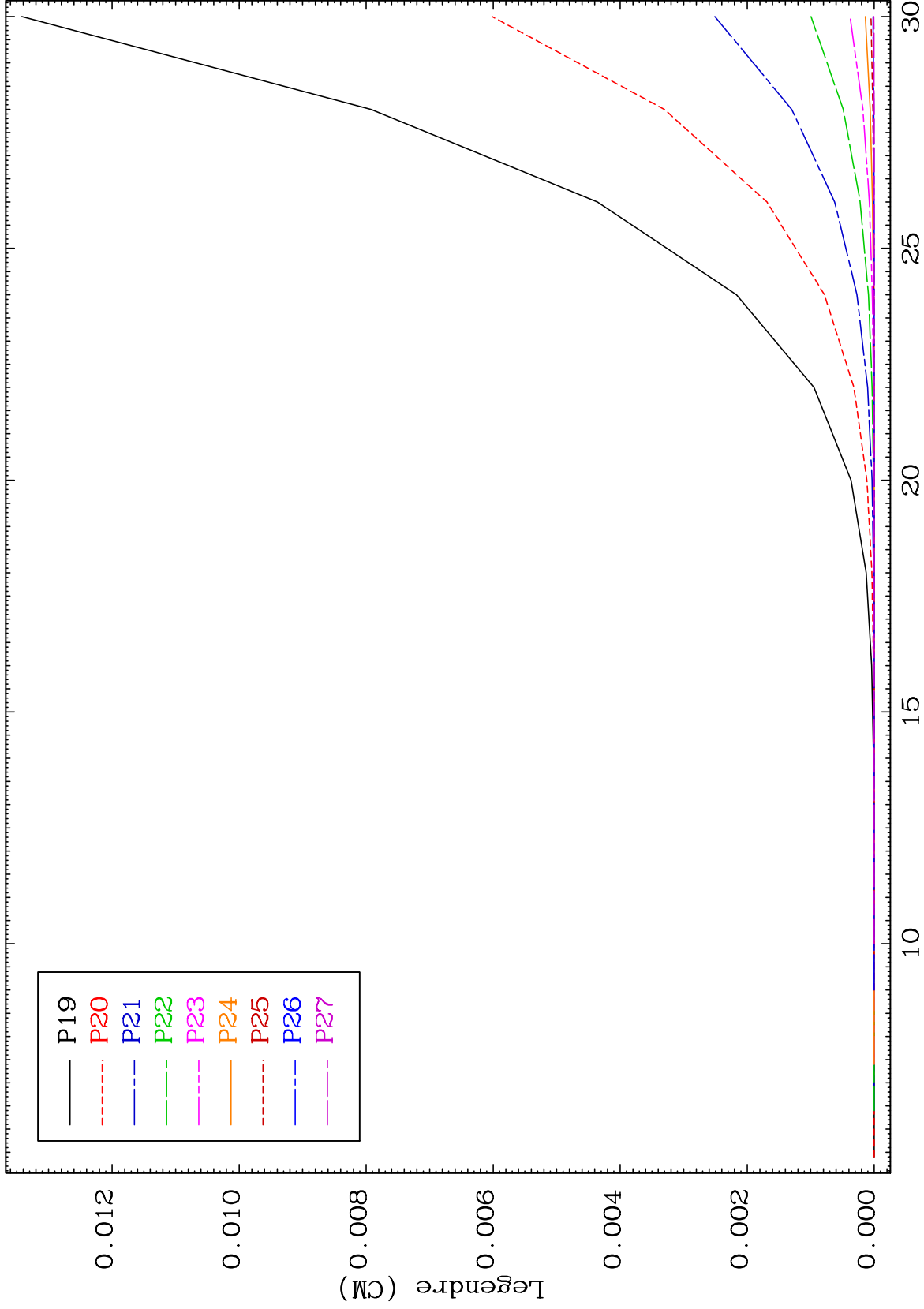
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61-Pm-147

MAT 6149

### Elastic Legendre Coefficients

61-Pm-147



18

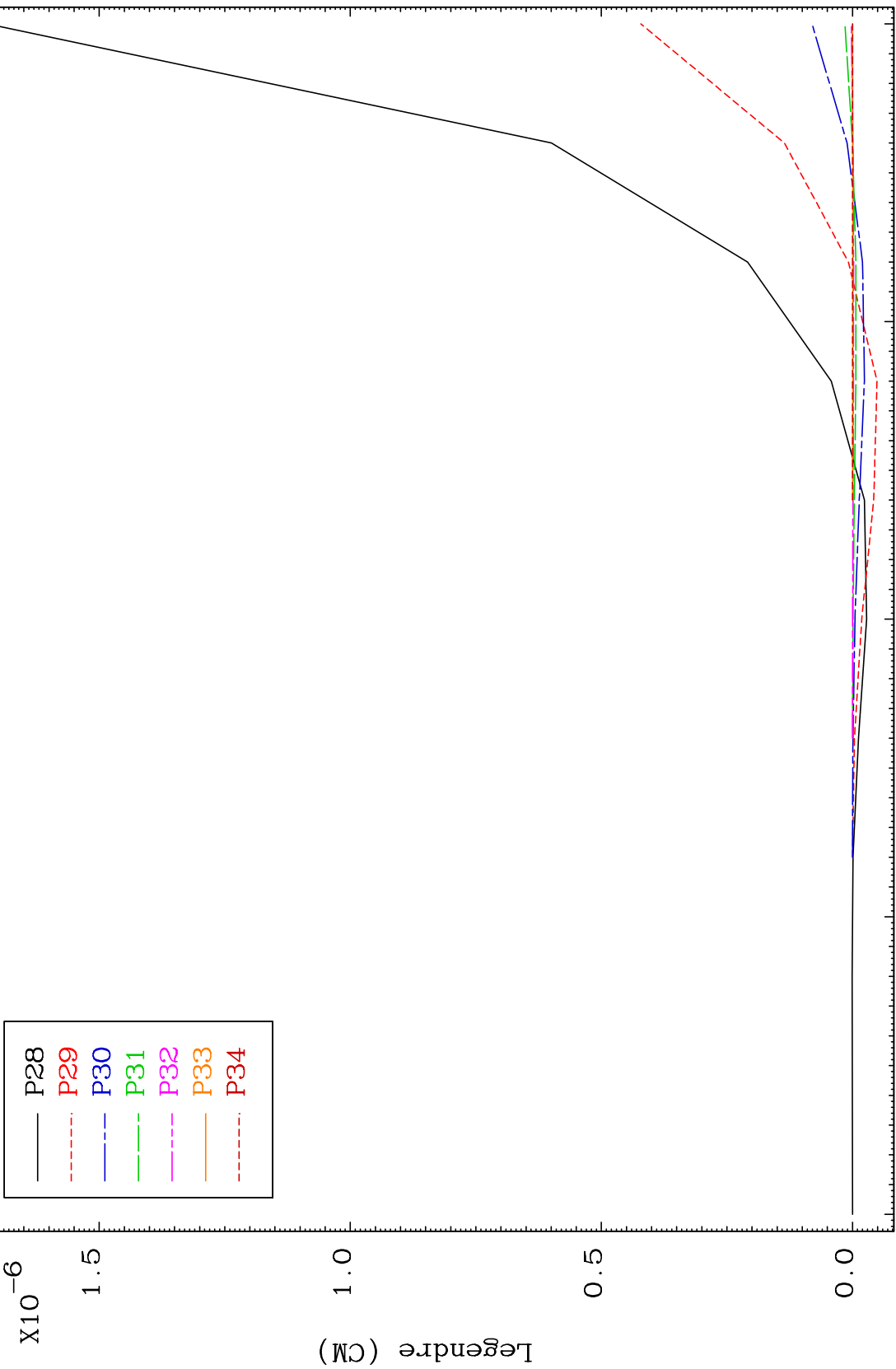
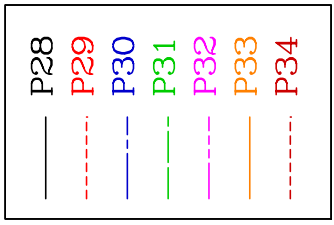
Incident Energy (MeV)

61-Pm-147

MAT 6149

Elastic Legendre Coefficients

61-Pm-147



61-Pm-147

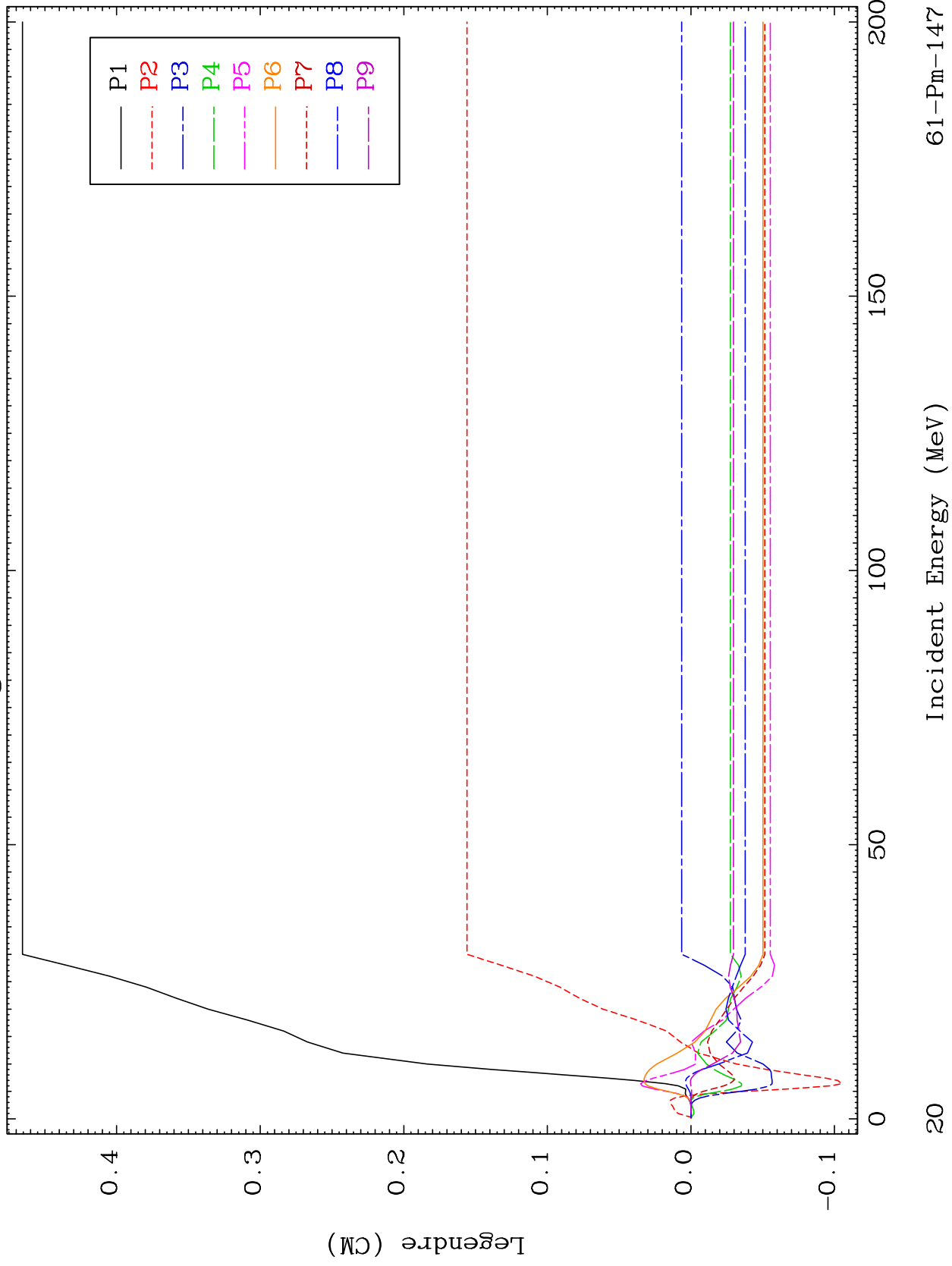
Incident Energy (MeV)

19

MAT 6149

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

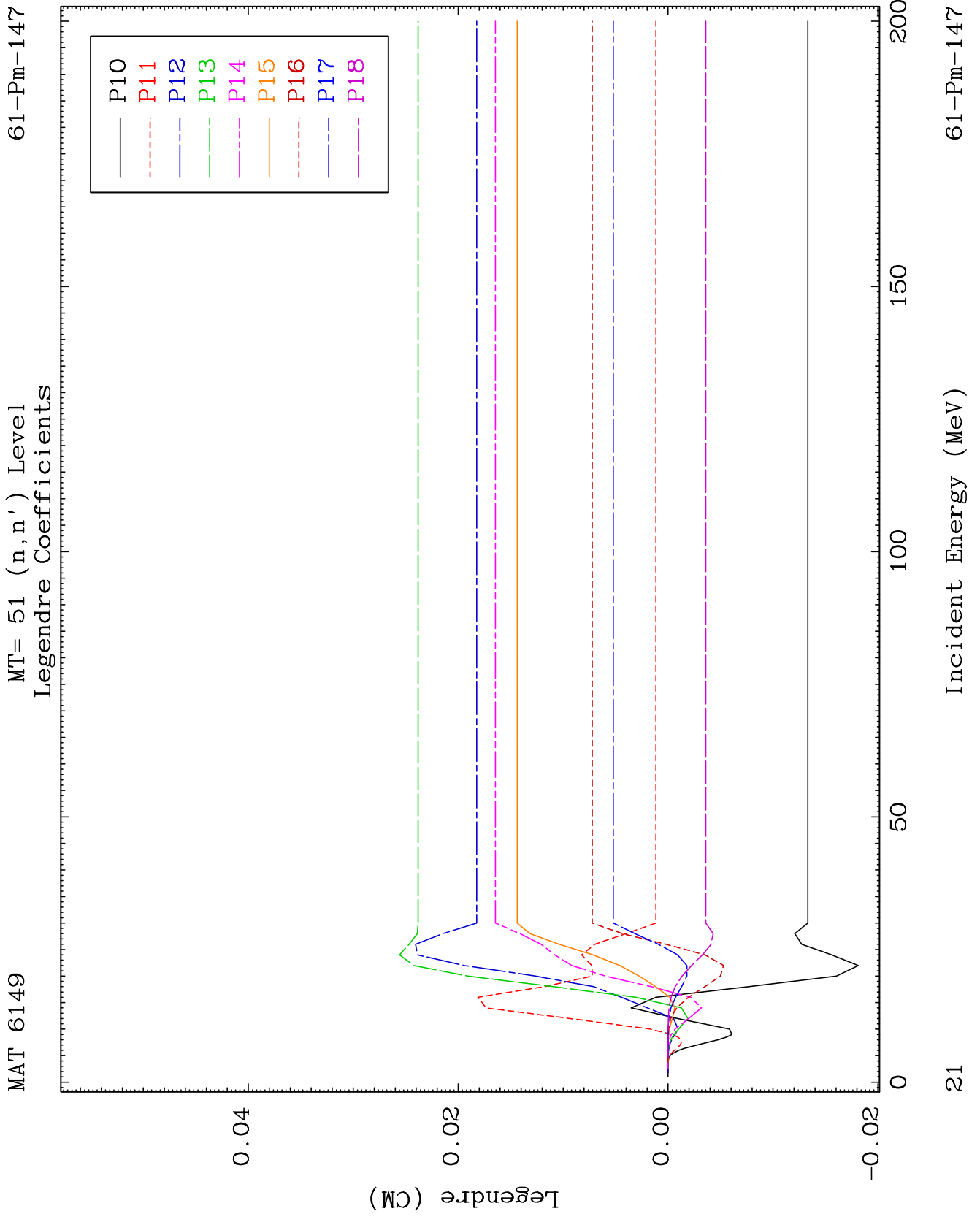
61-Pm-147



61-Pm-147

Incident Energy (MeV)

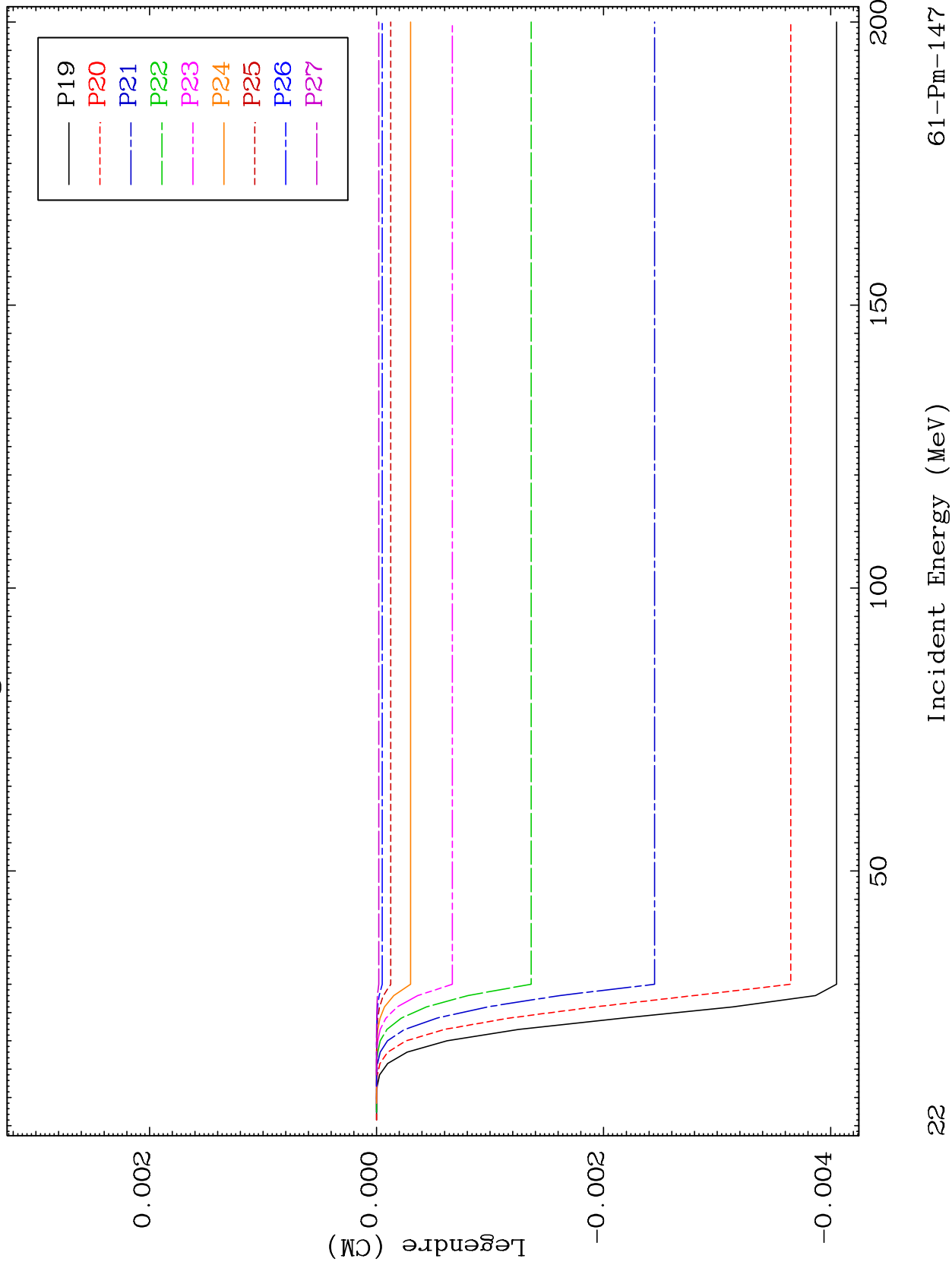
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MAT 6149

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

61-Pm-147



22

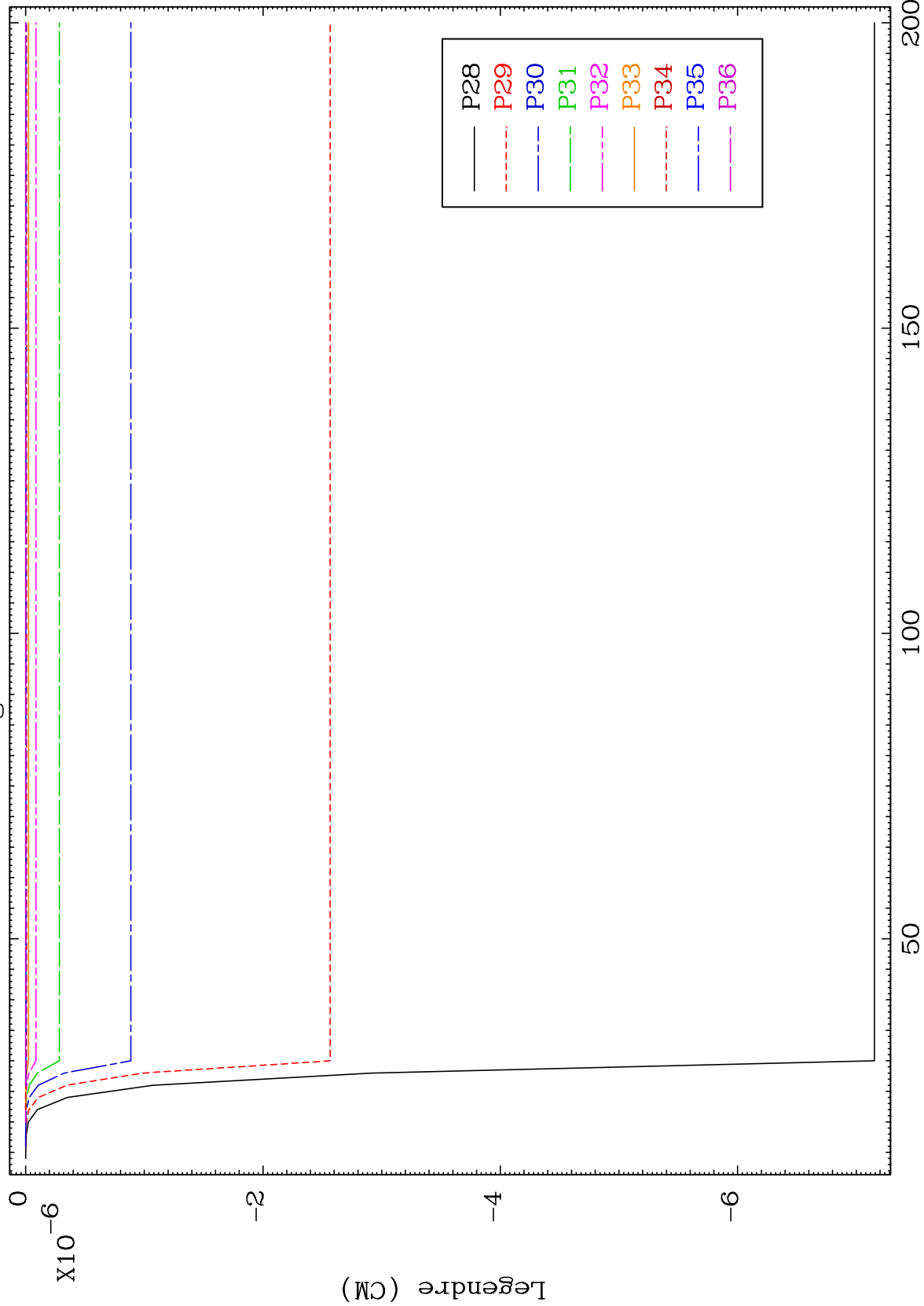
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147

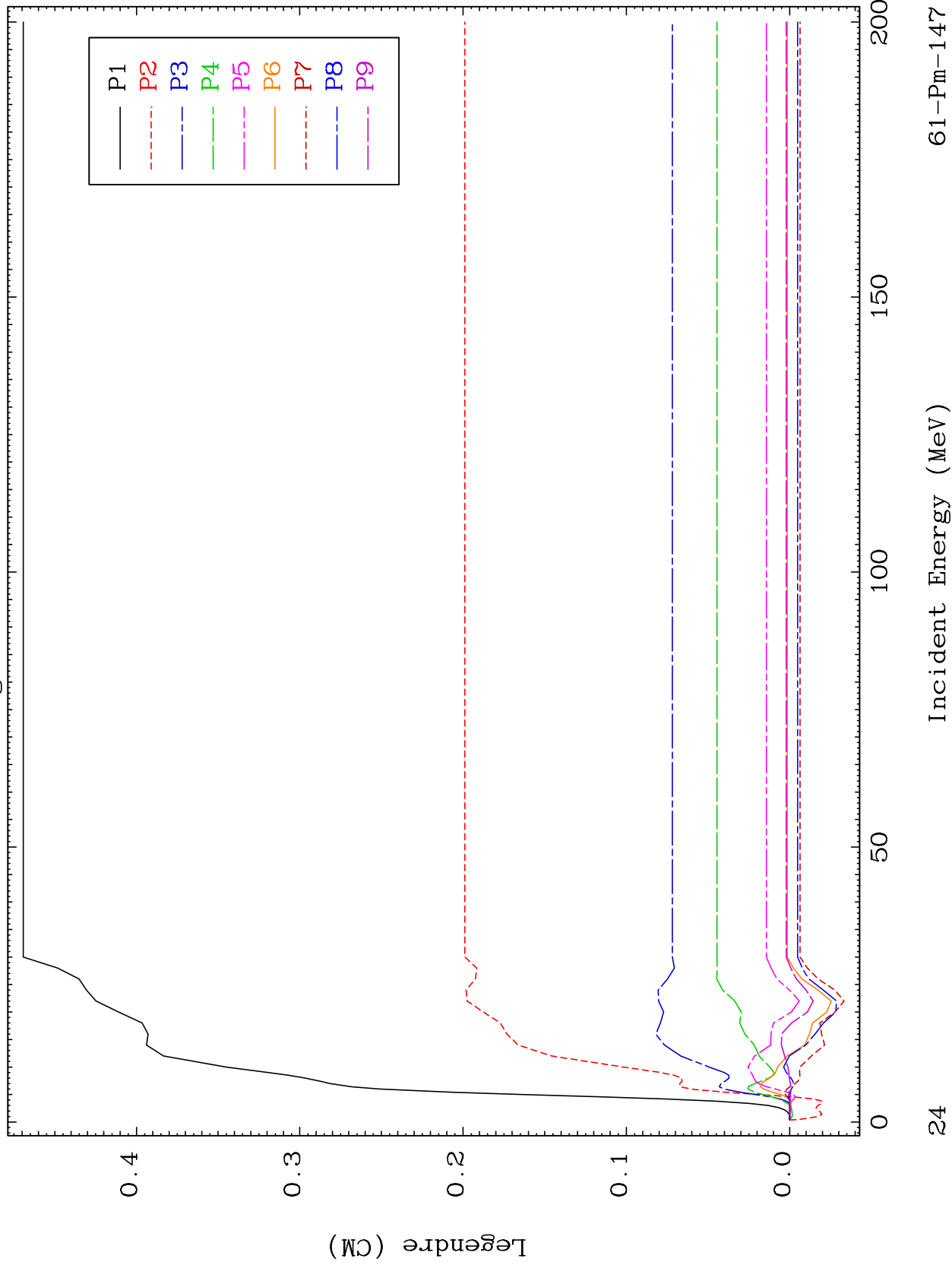




MAT 6149

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

61-Pm-147



61-Pm-147

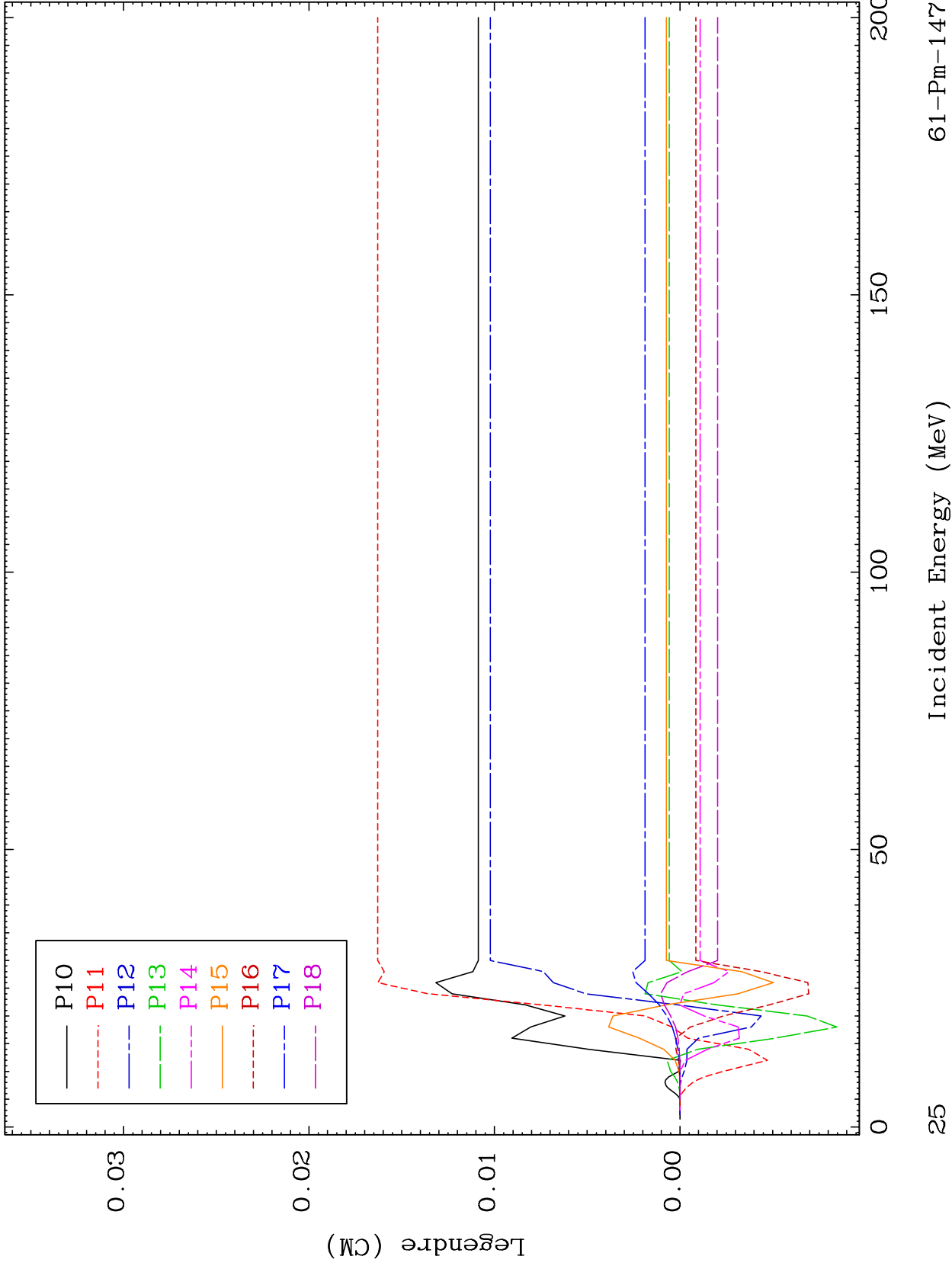
Incident Energy (MeV)

24

MAT 6149

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

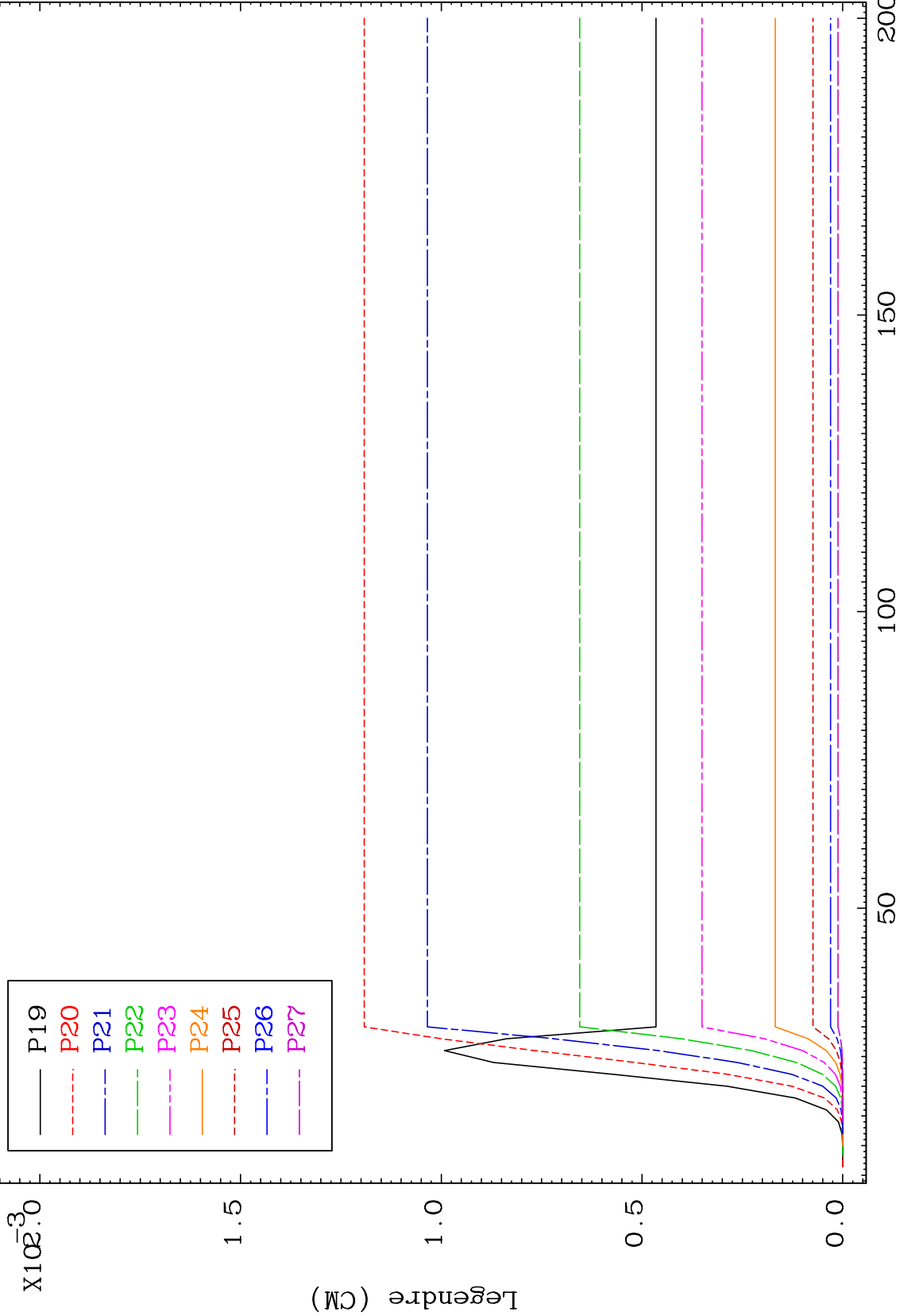
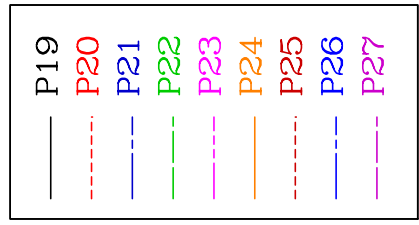
61-Pm-147



61-Pm-147

Incident Energy (MeV)

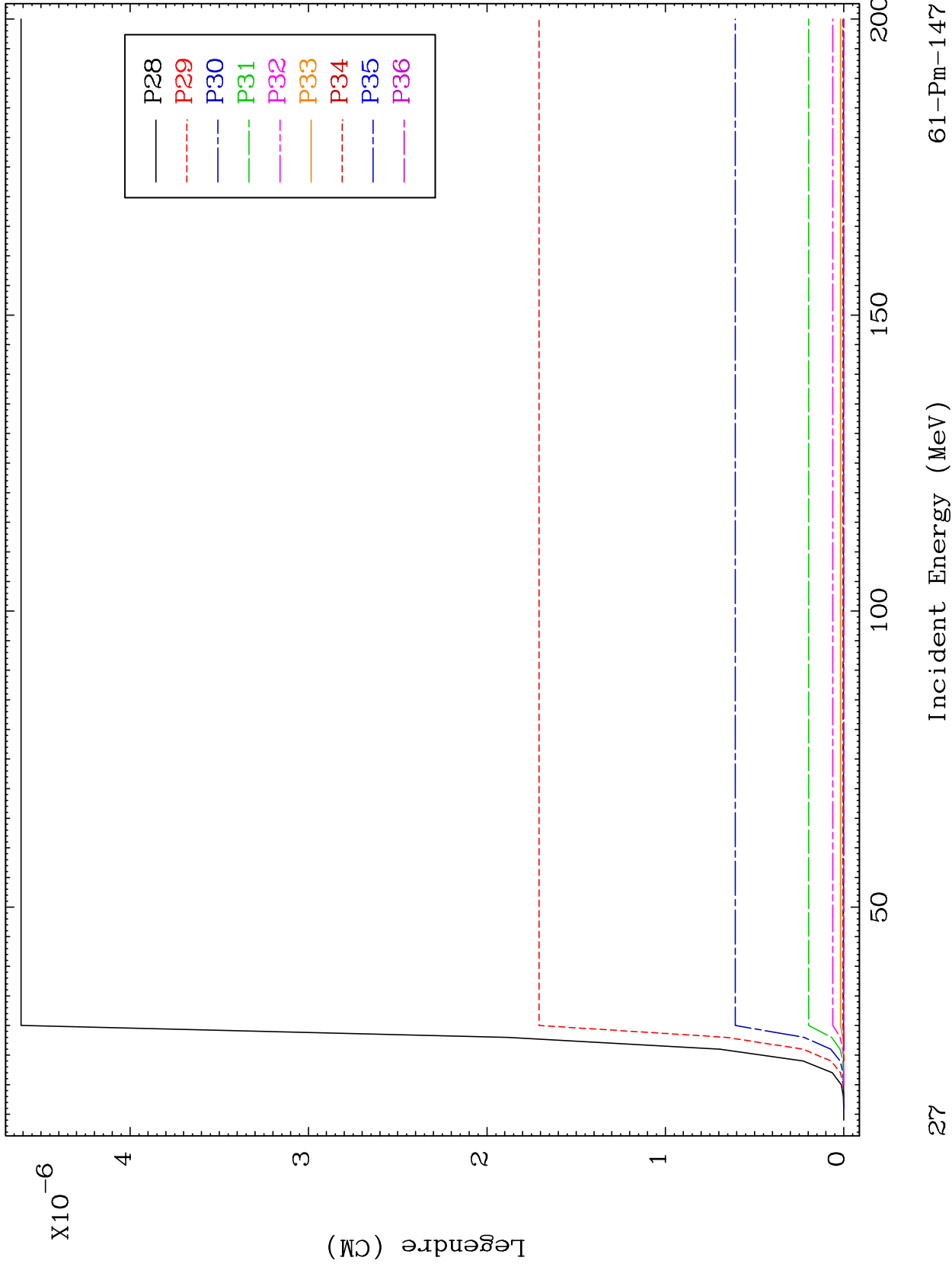
25



MAT 6149

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

61-Pm-147



27

Incident Energy (MeV)

61-Pm-147

200

150

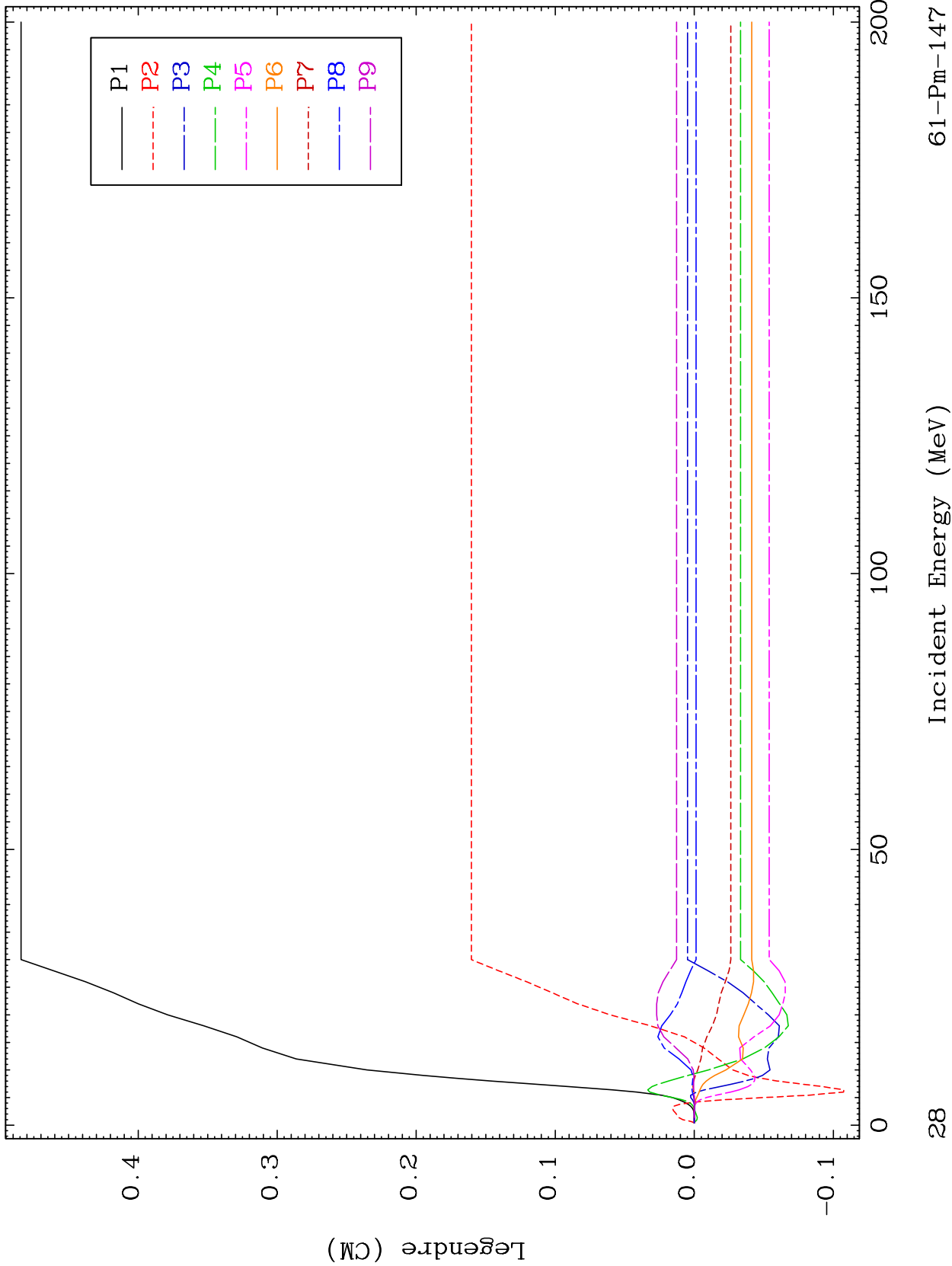
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50

MAT 6149

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

61-Pm-147



61-Pm-147

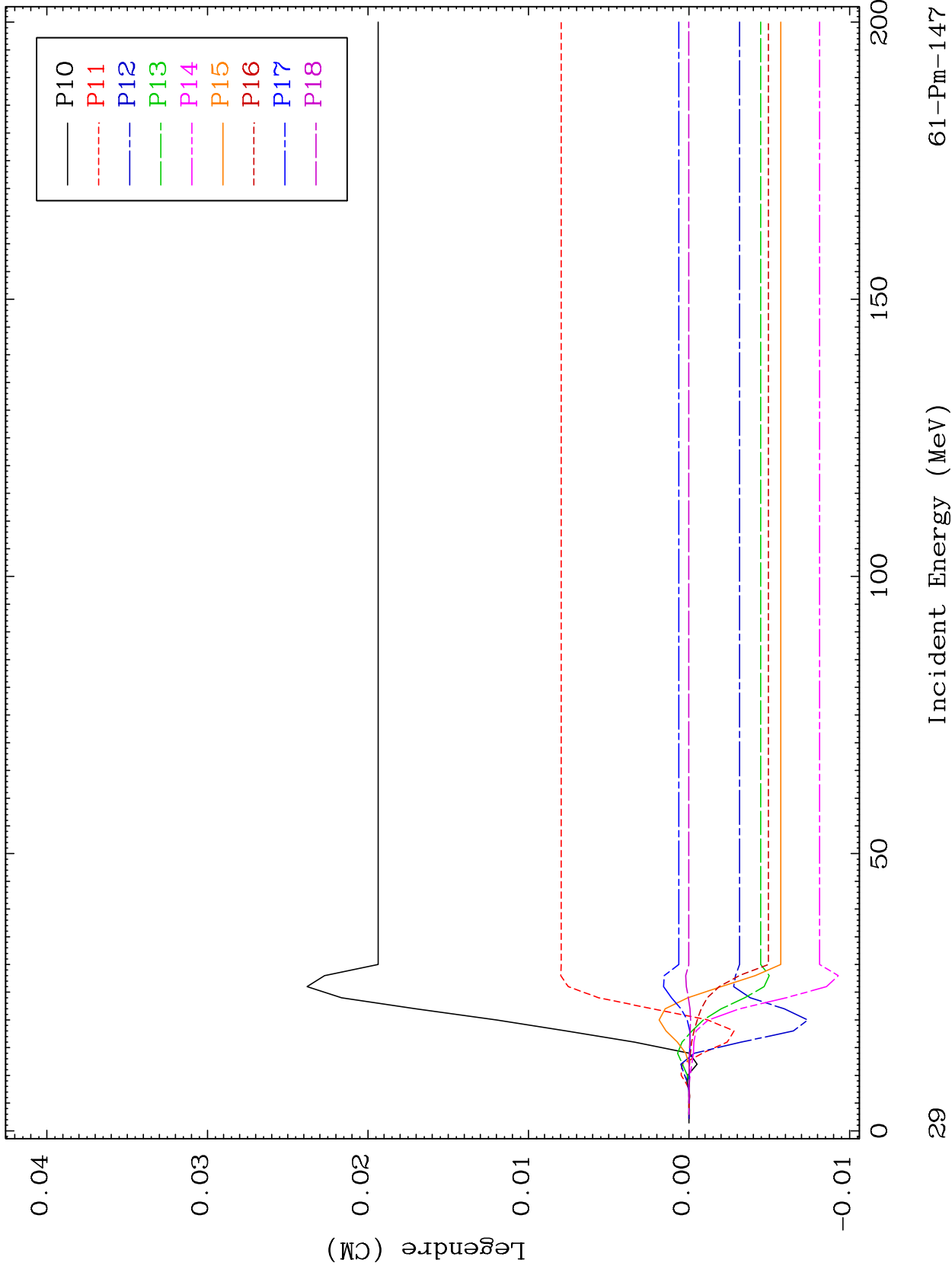
Incident Energy (MeV)

28

MAT 6149

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

61-Pm-147



29

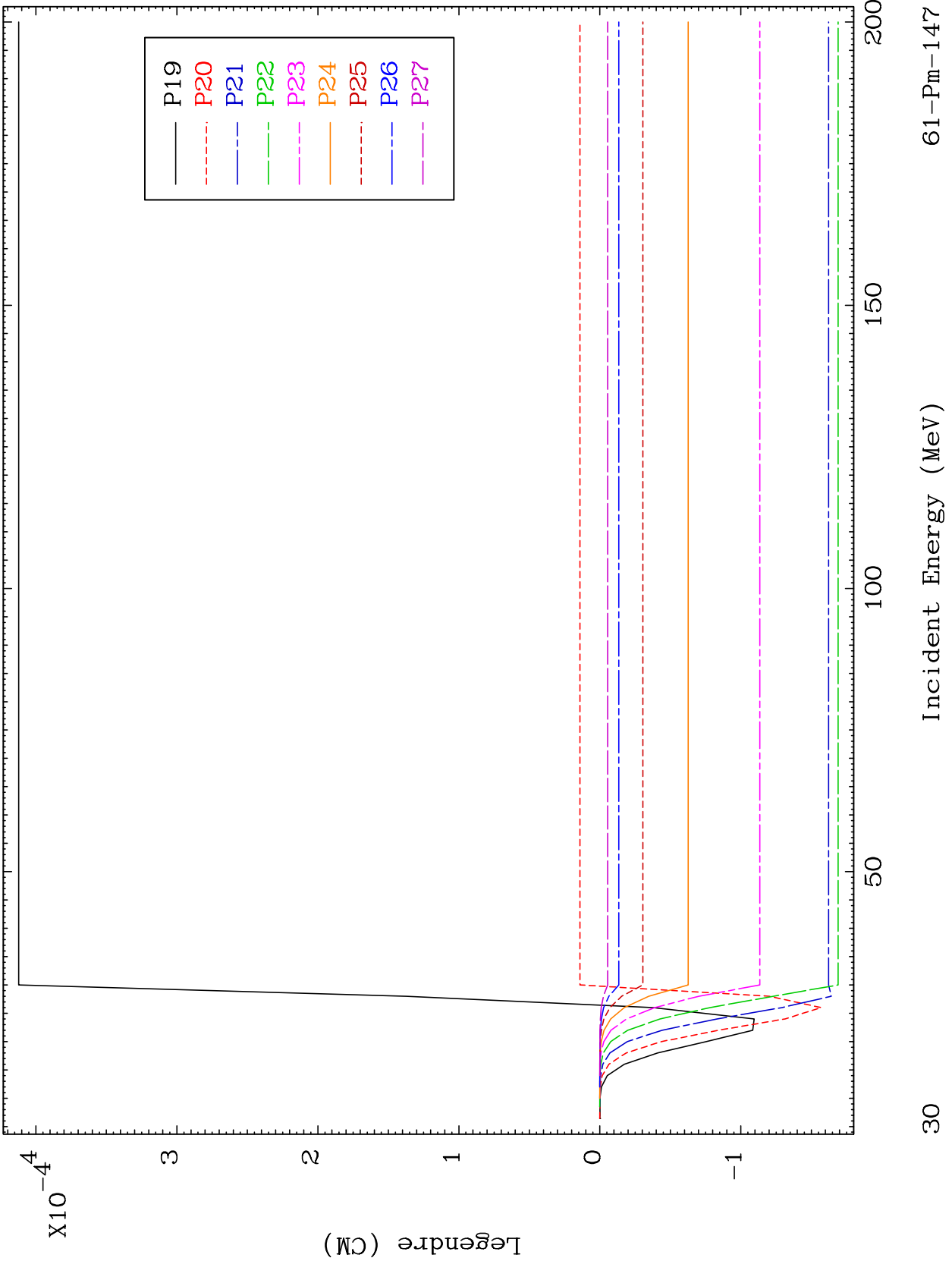
Incident Energy (MeV)

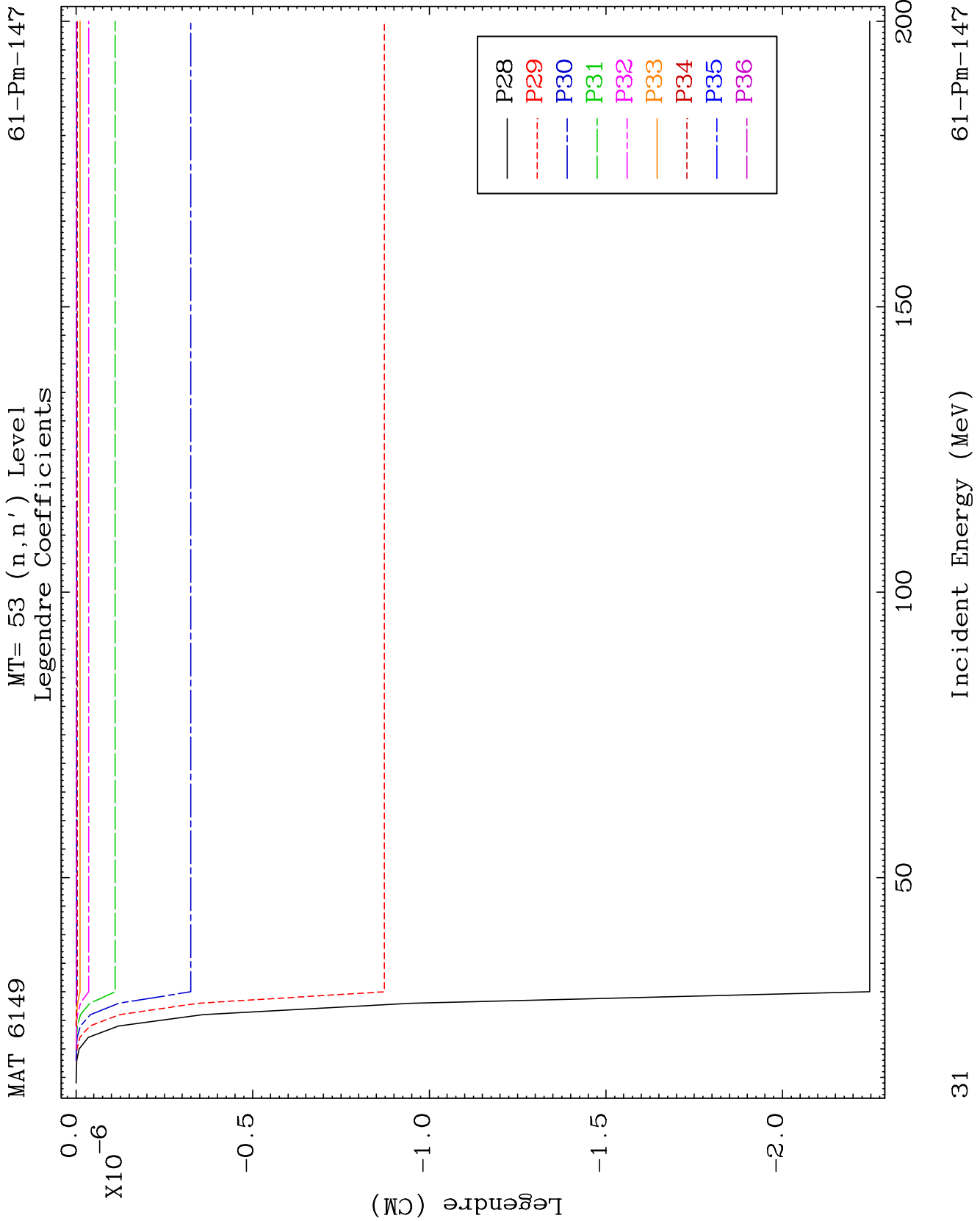
61-Pm-147

MAT 6149

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

61-Pm-147



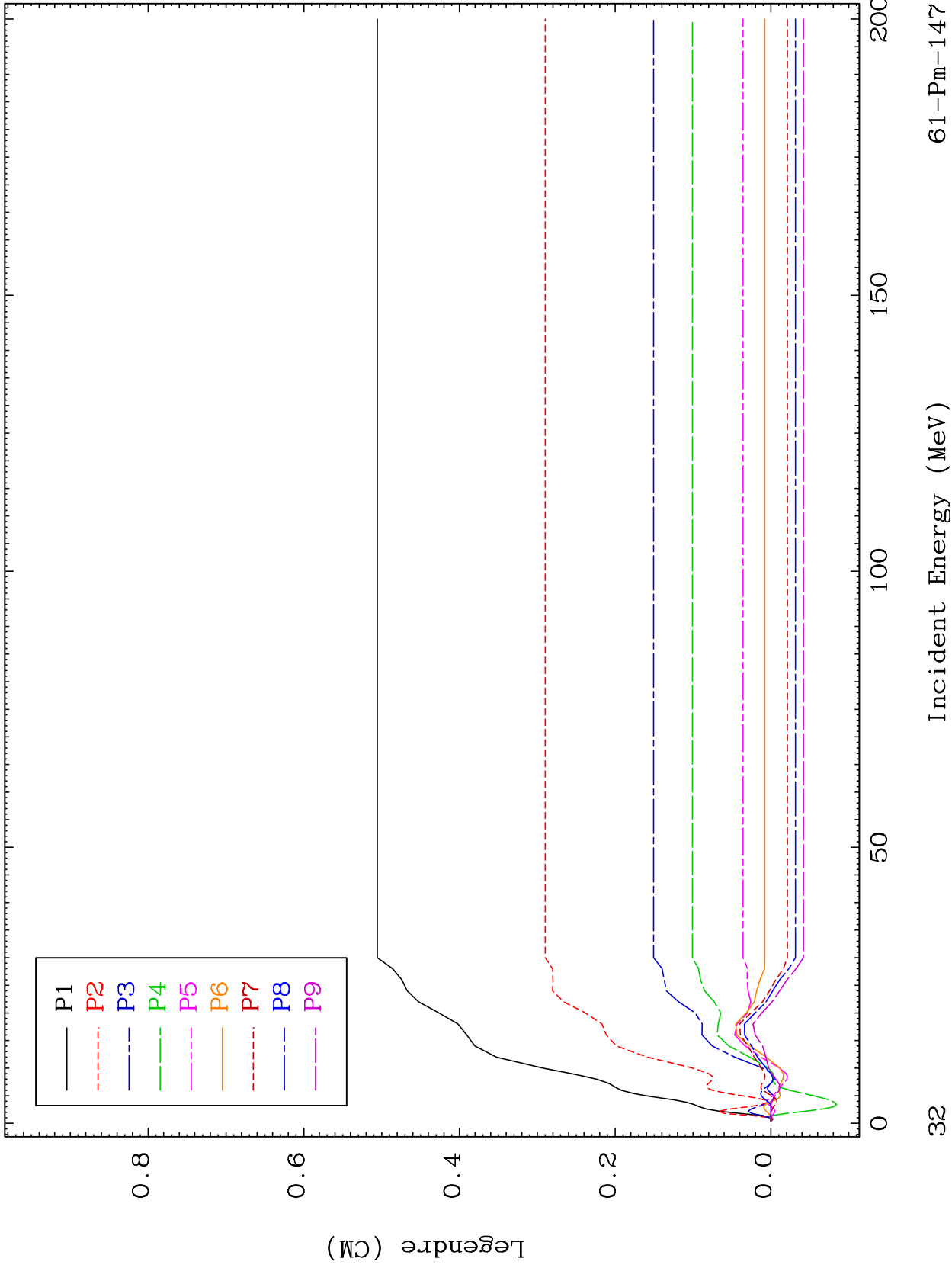




MAT 6149

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

61-Pm-147



32

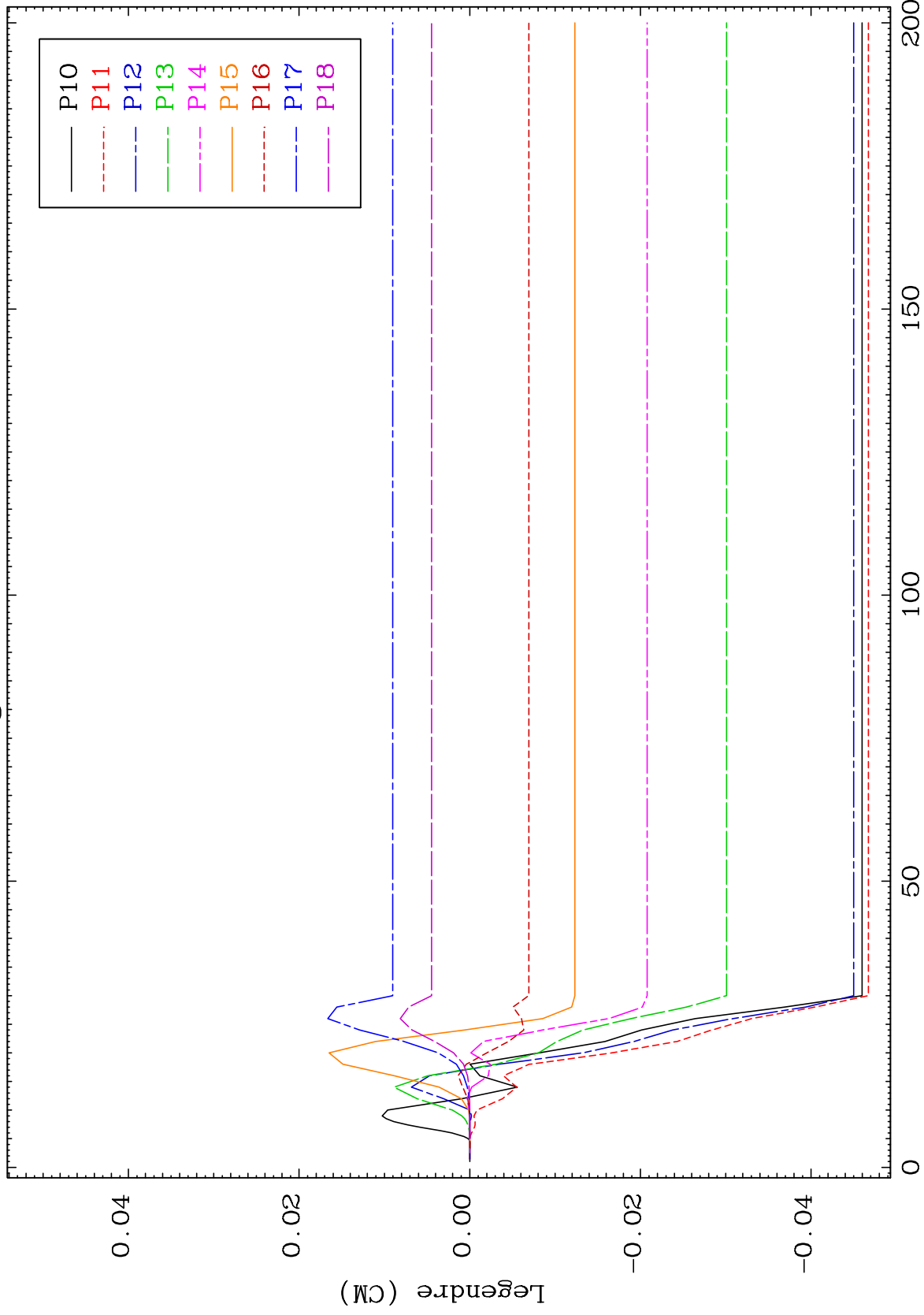
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

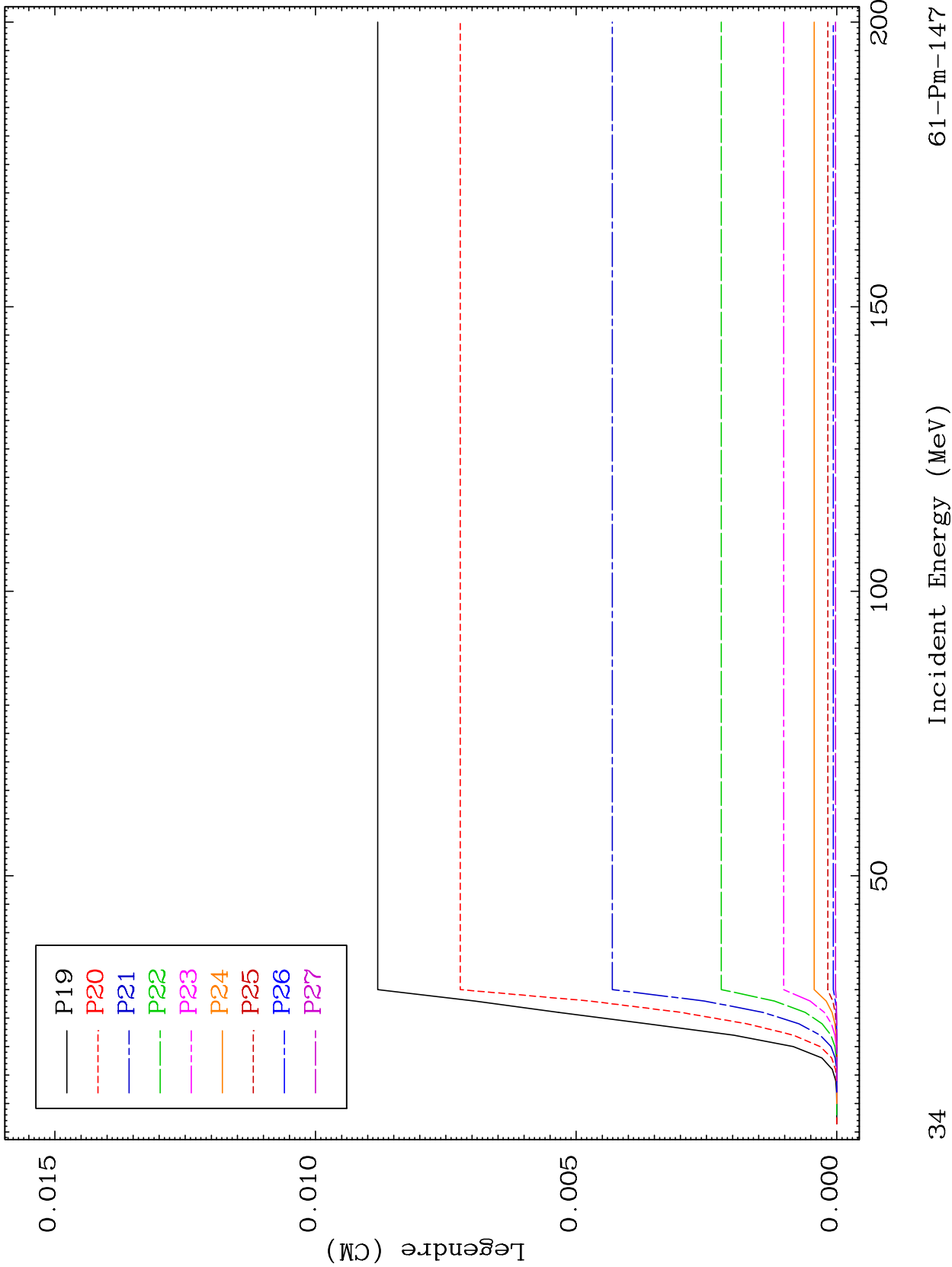
61-Pm-147



33

Incident Energy (MeV)

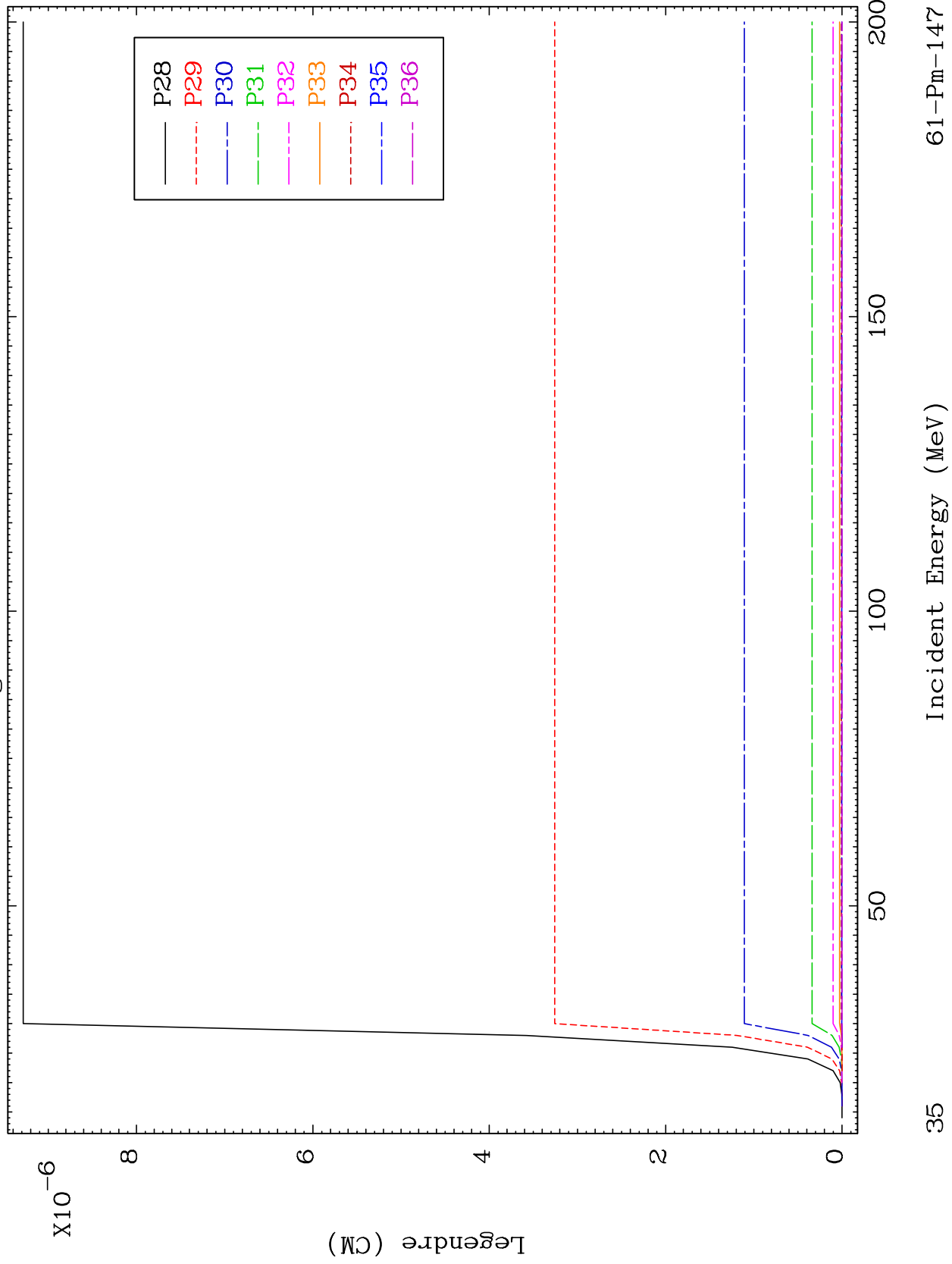
61-Pm-147



MAT 6149

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

61-Pm-147



35

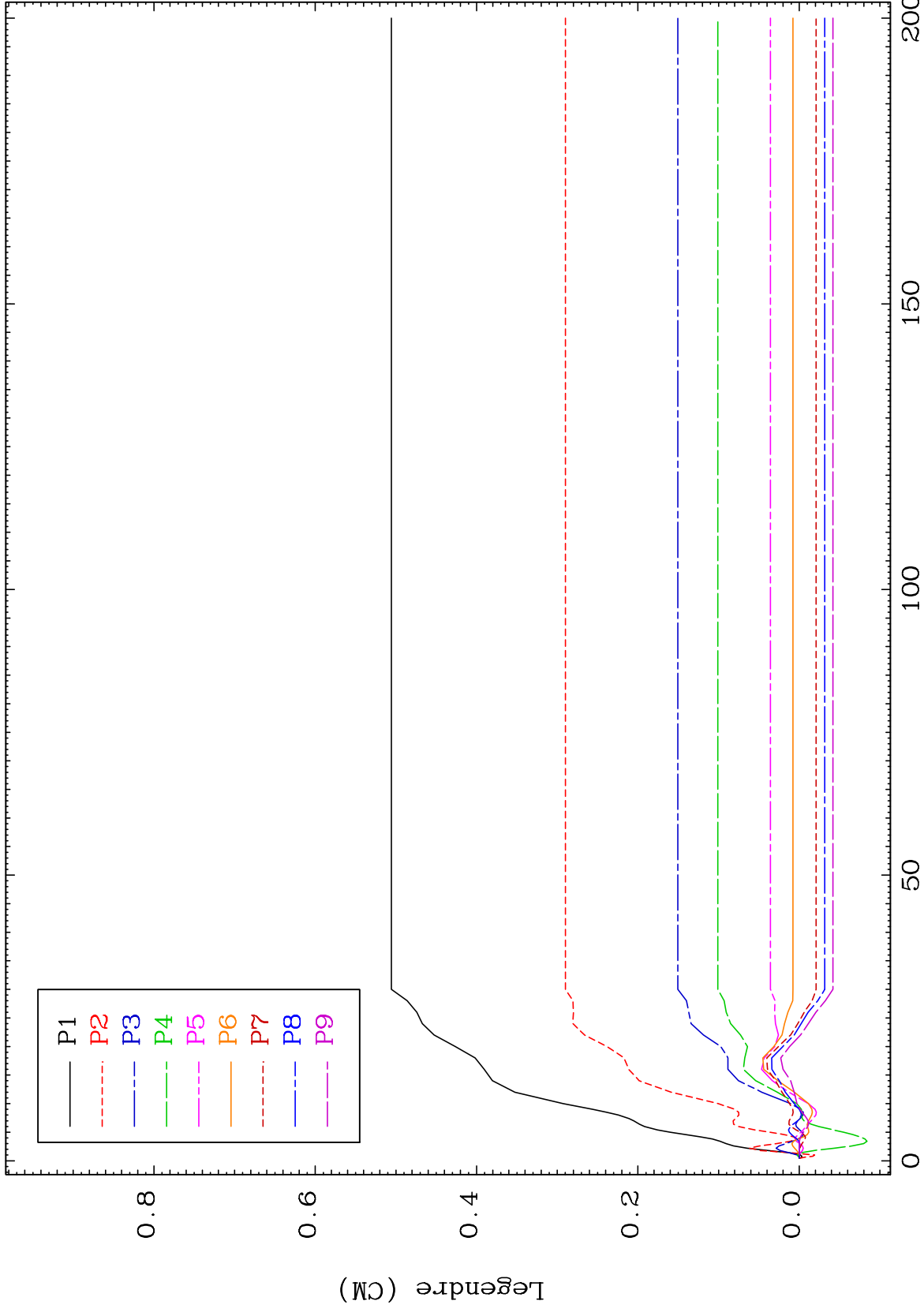
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



36

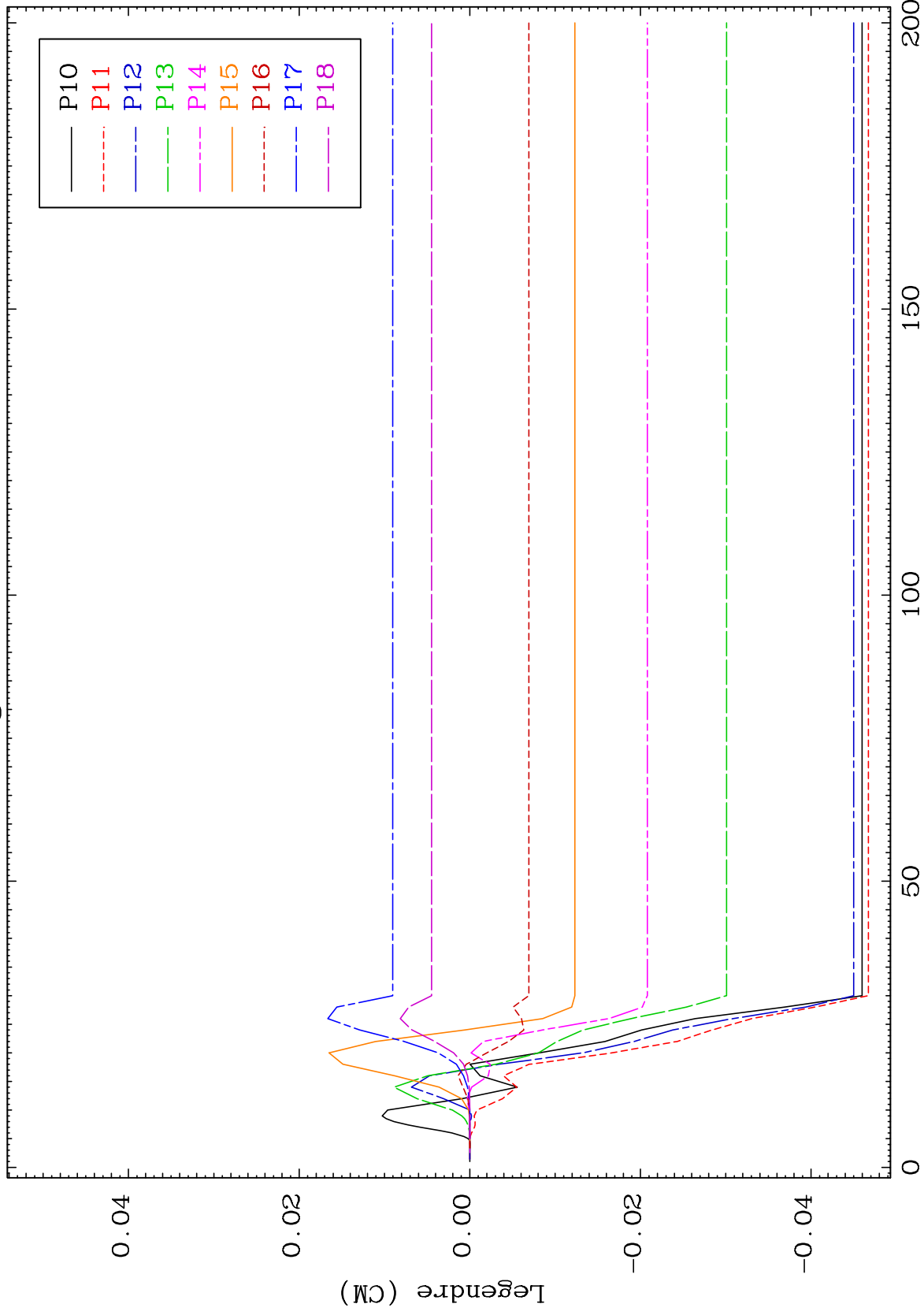
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

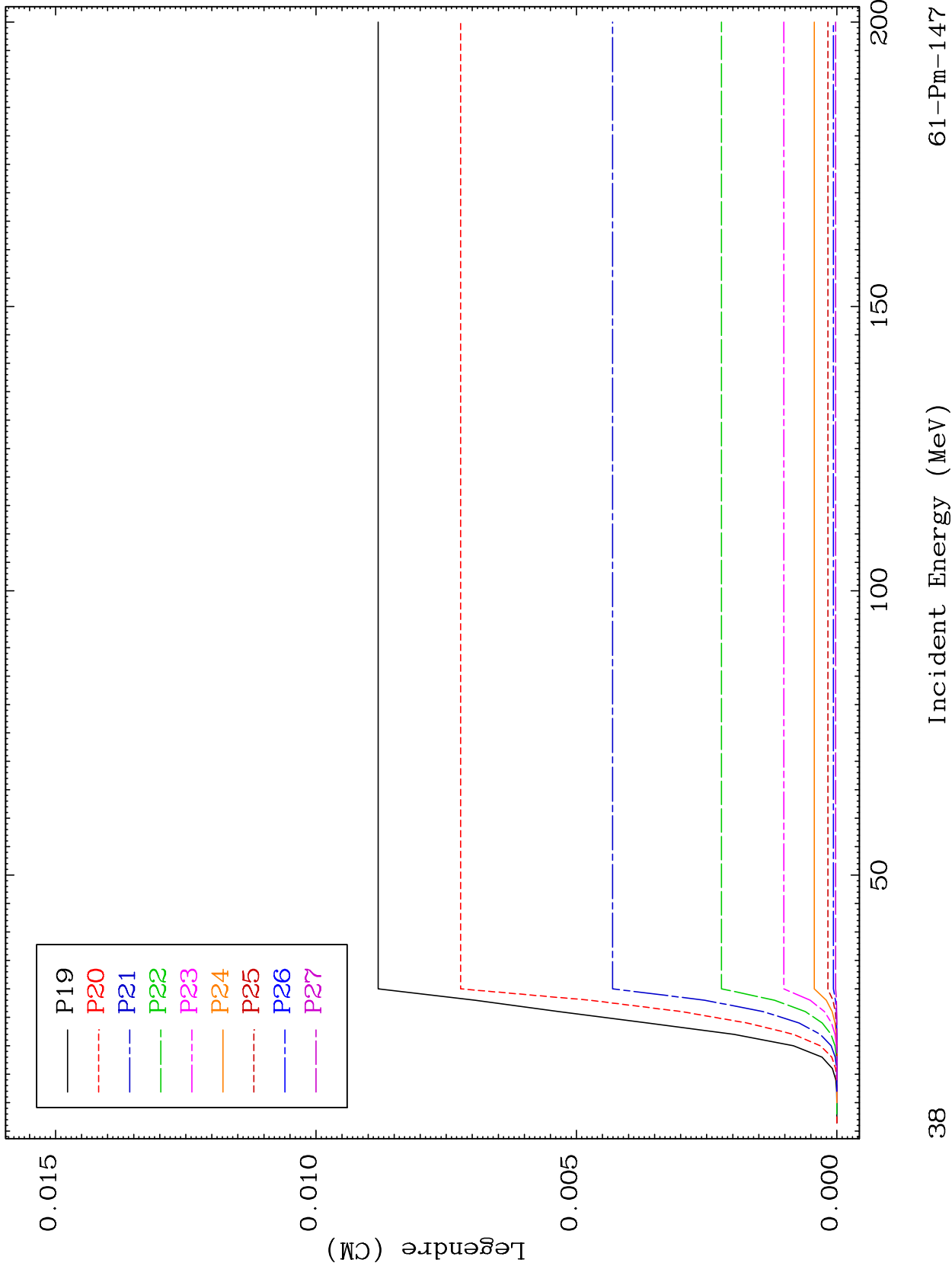
61-Pm-147



37

Incident Energy (MeV)

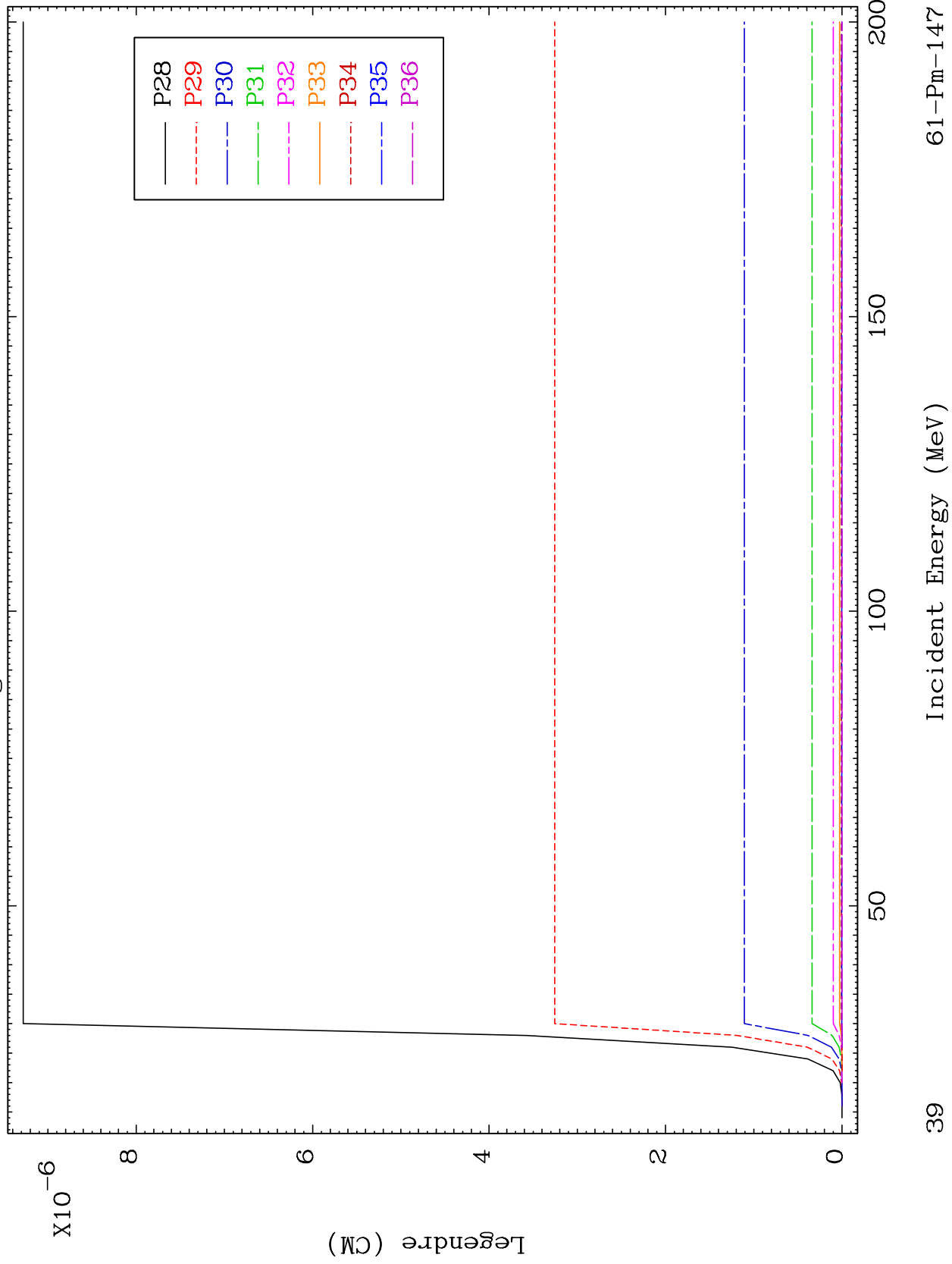
61-Pm-147



MAT 6149

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

61-Pm-147



39

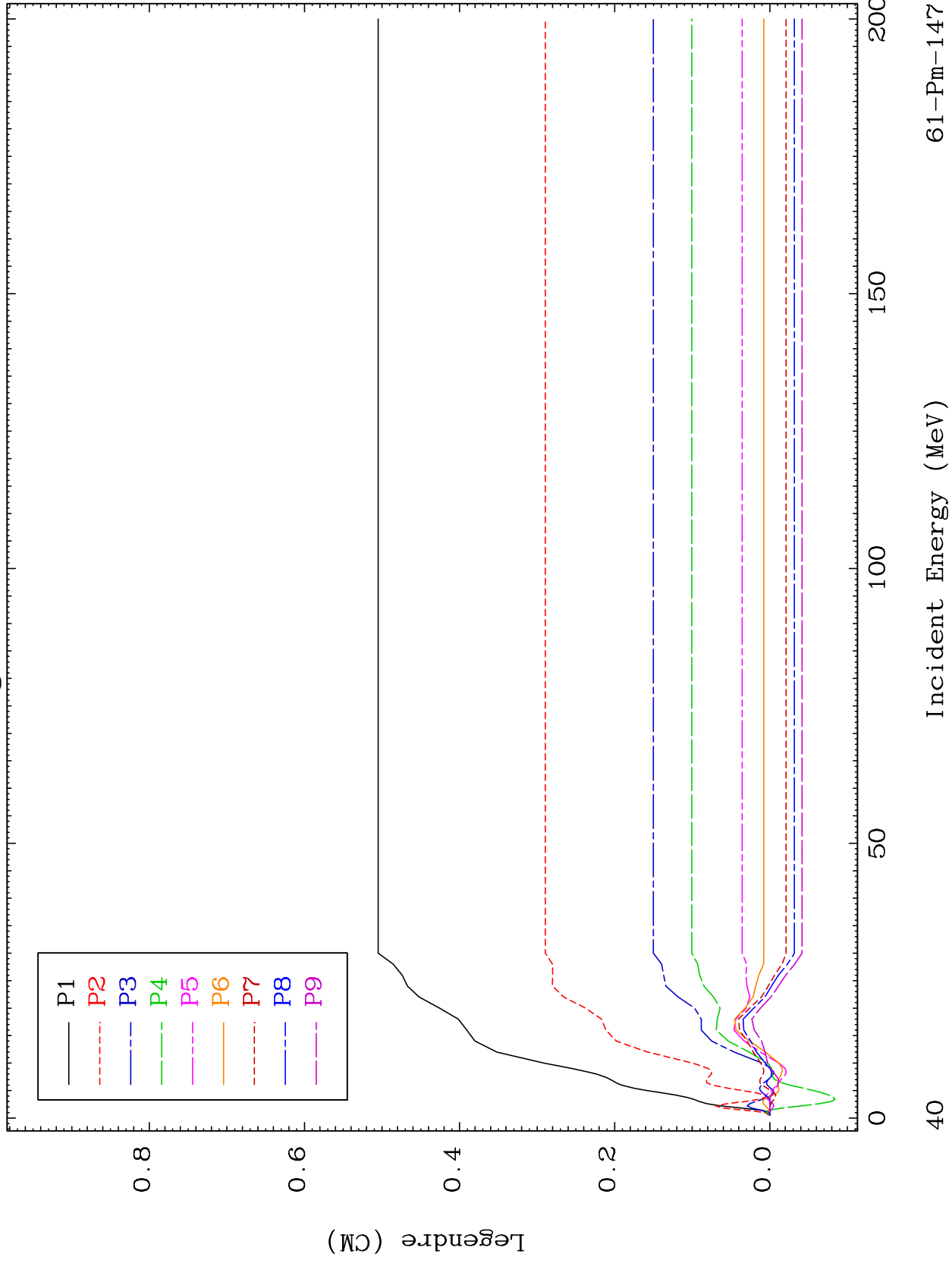
200



MAT 6149

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

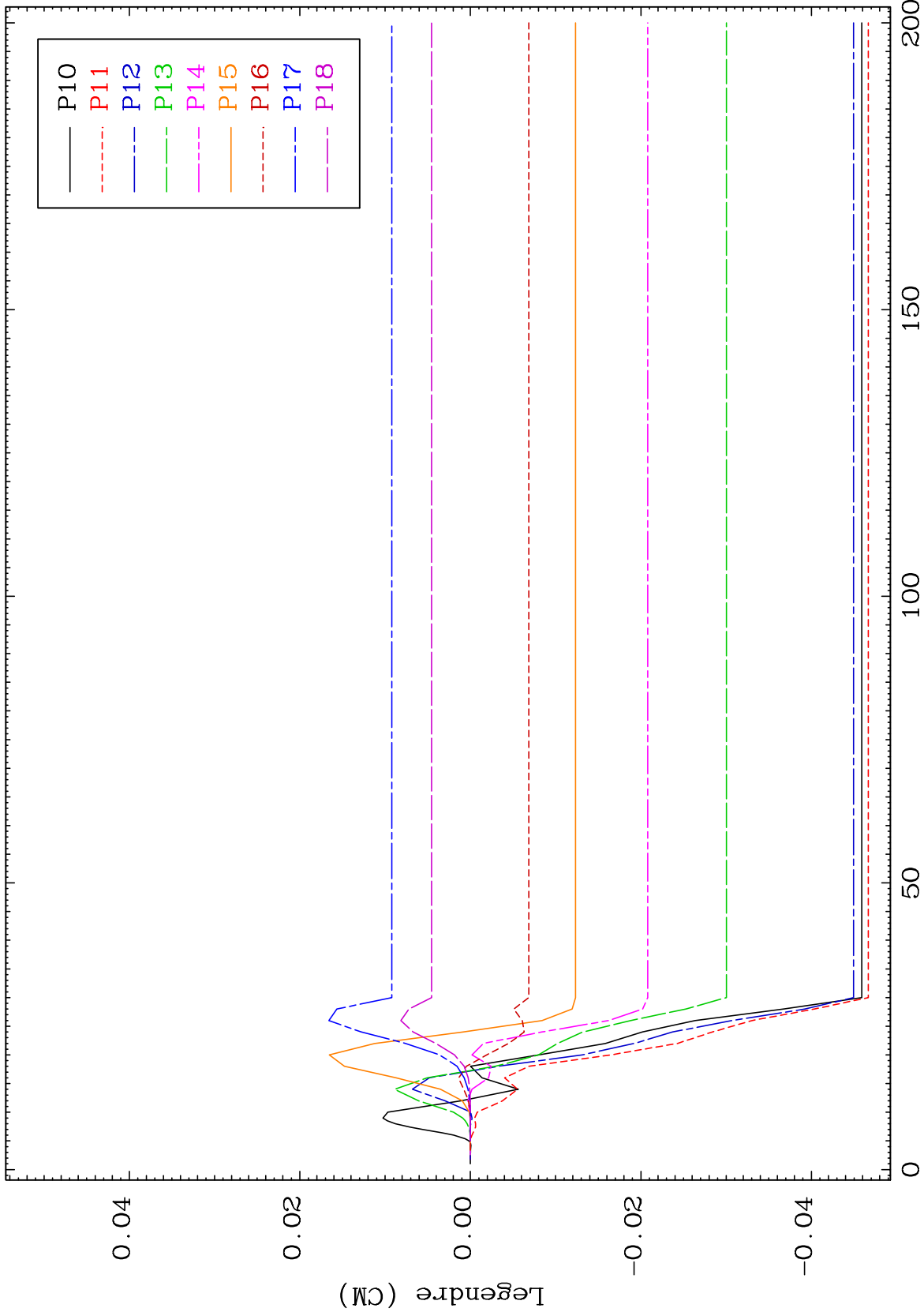
61-Pm-147



MAT 6149

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

61-Pm-147



41

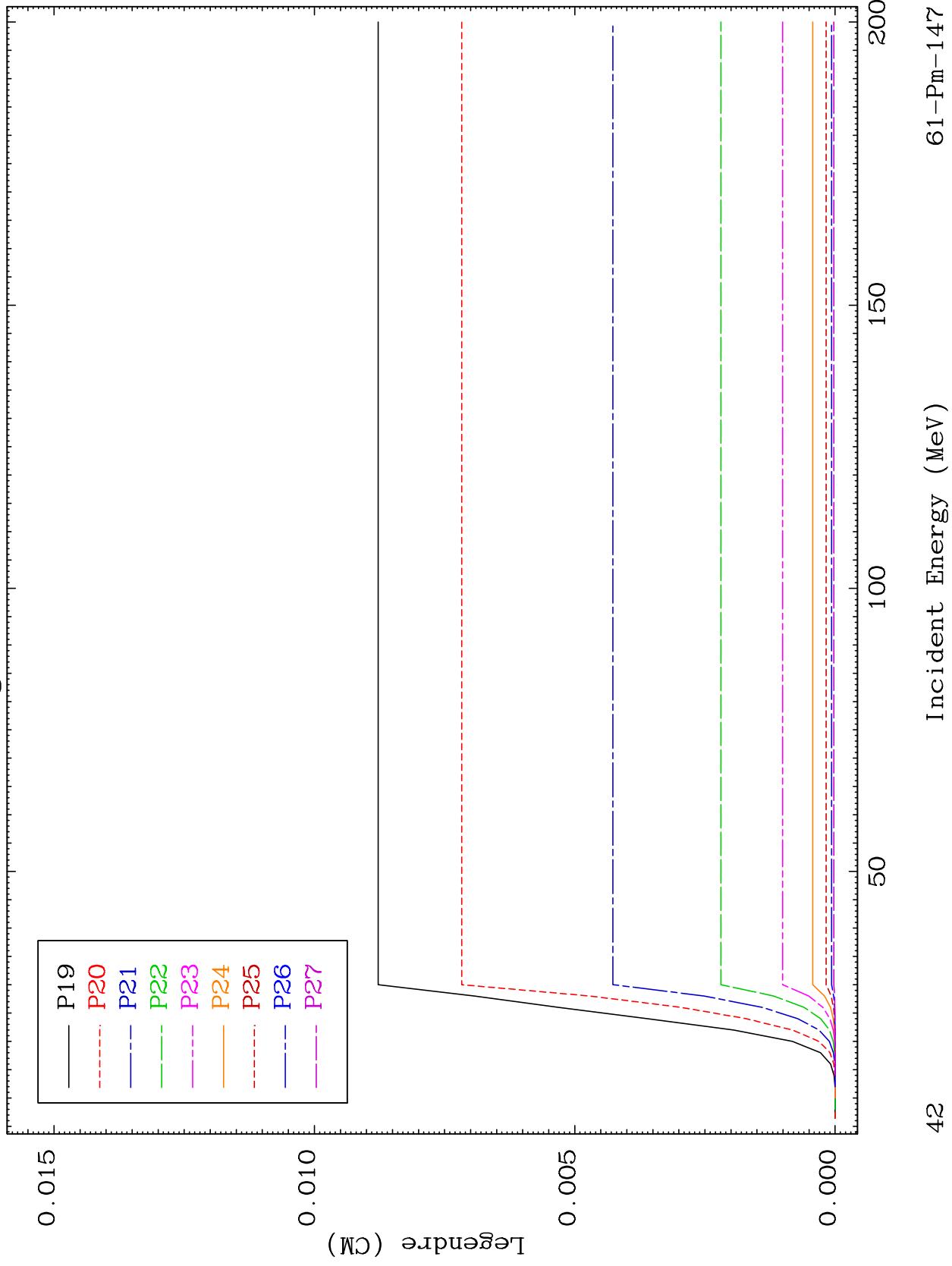
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



42

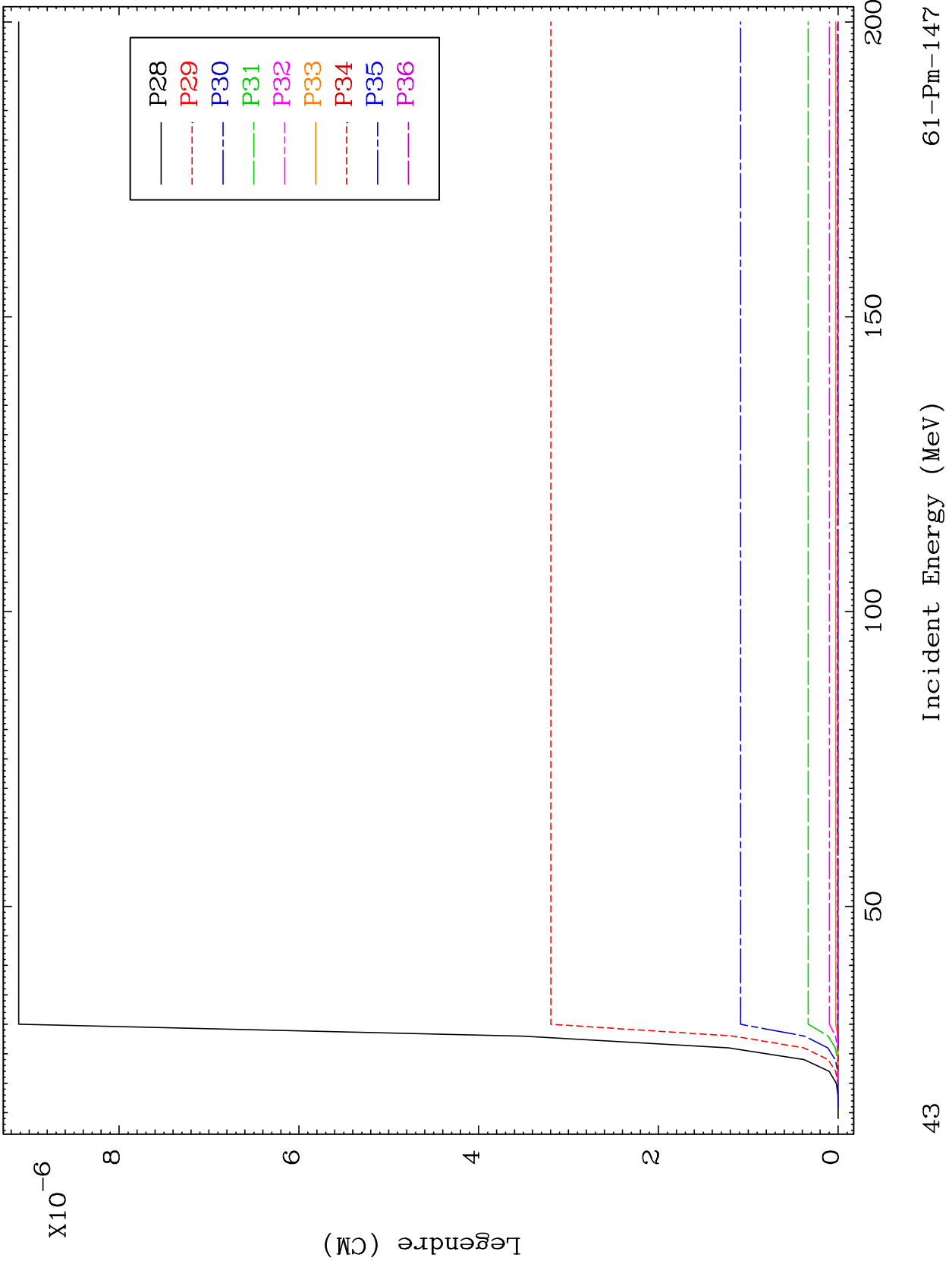
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



43

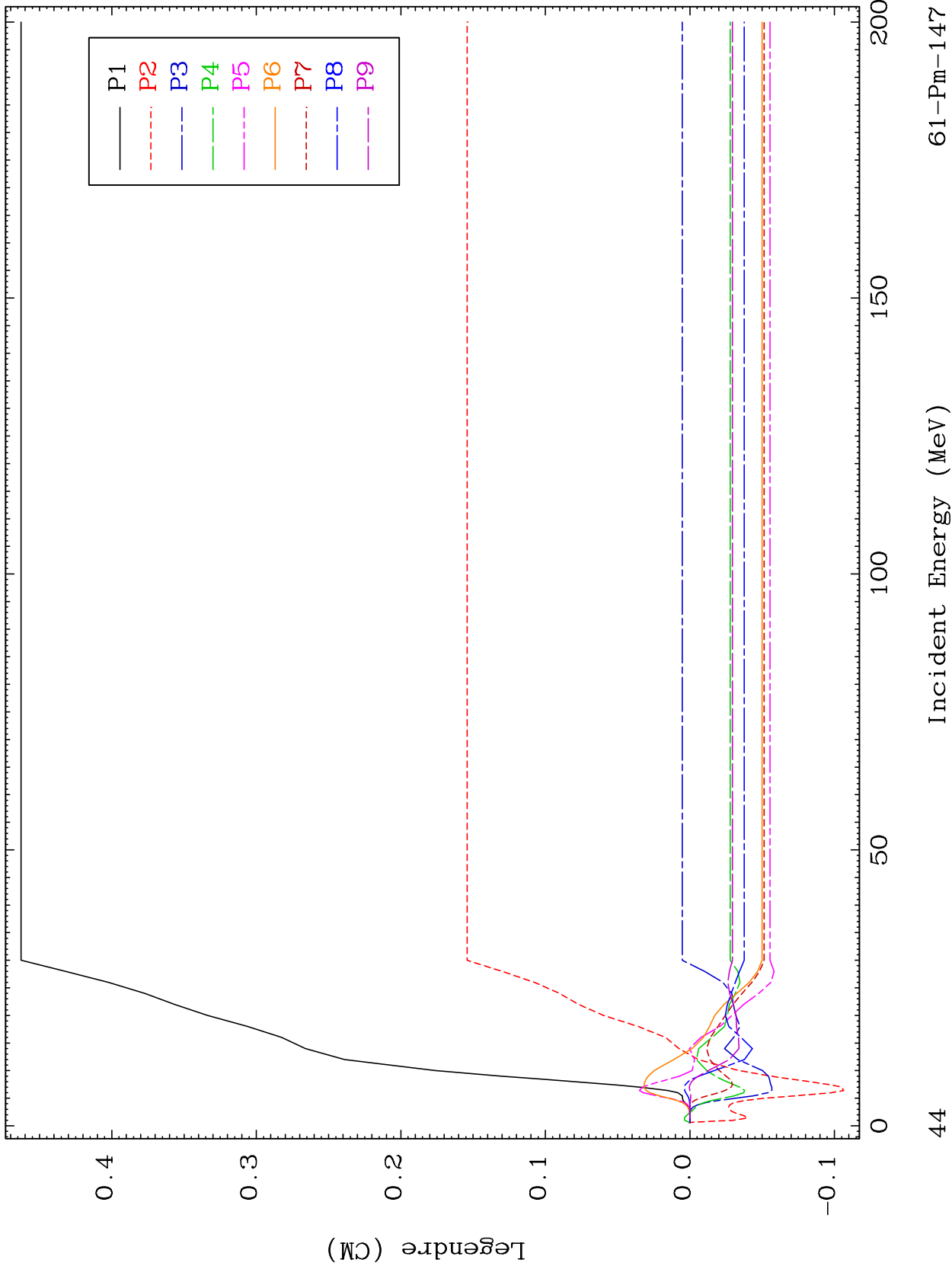
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



61-Pm-147

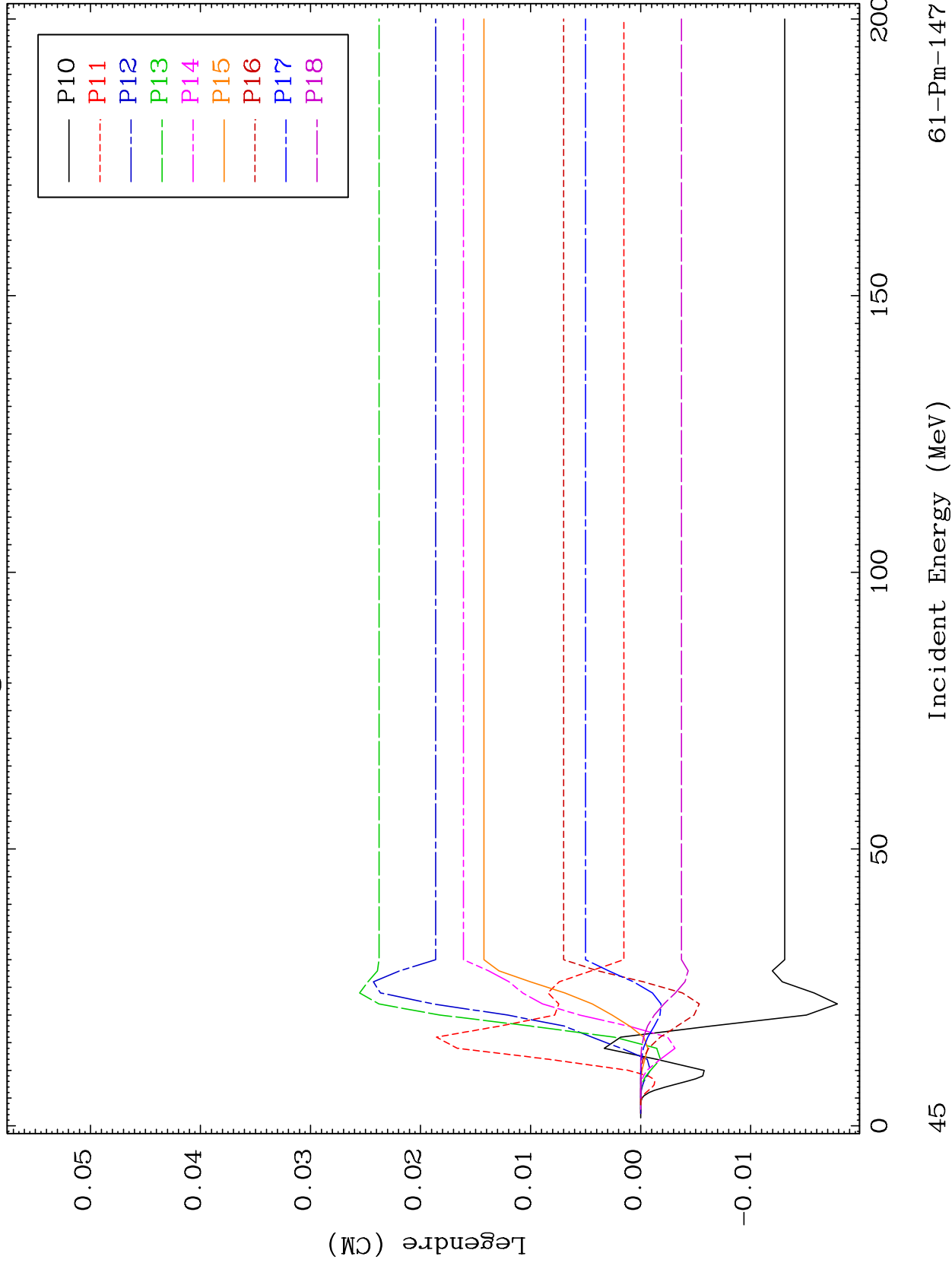
Incident Energy (MeV)

44

MAT 6149

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

61-Pm-147



61-Pm-147

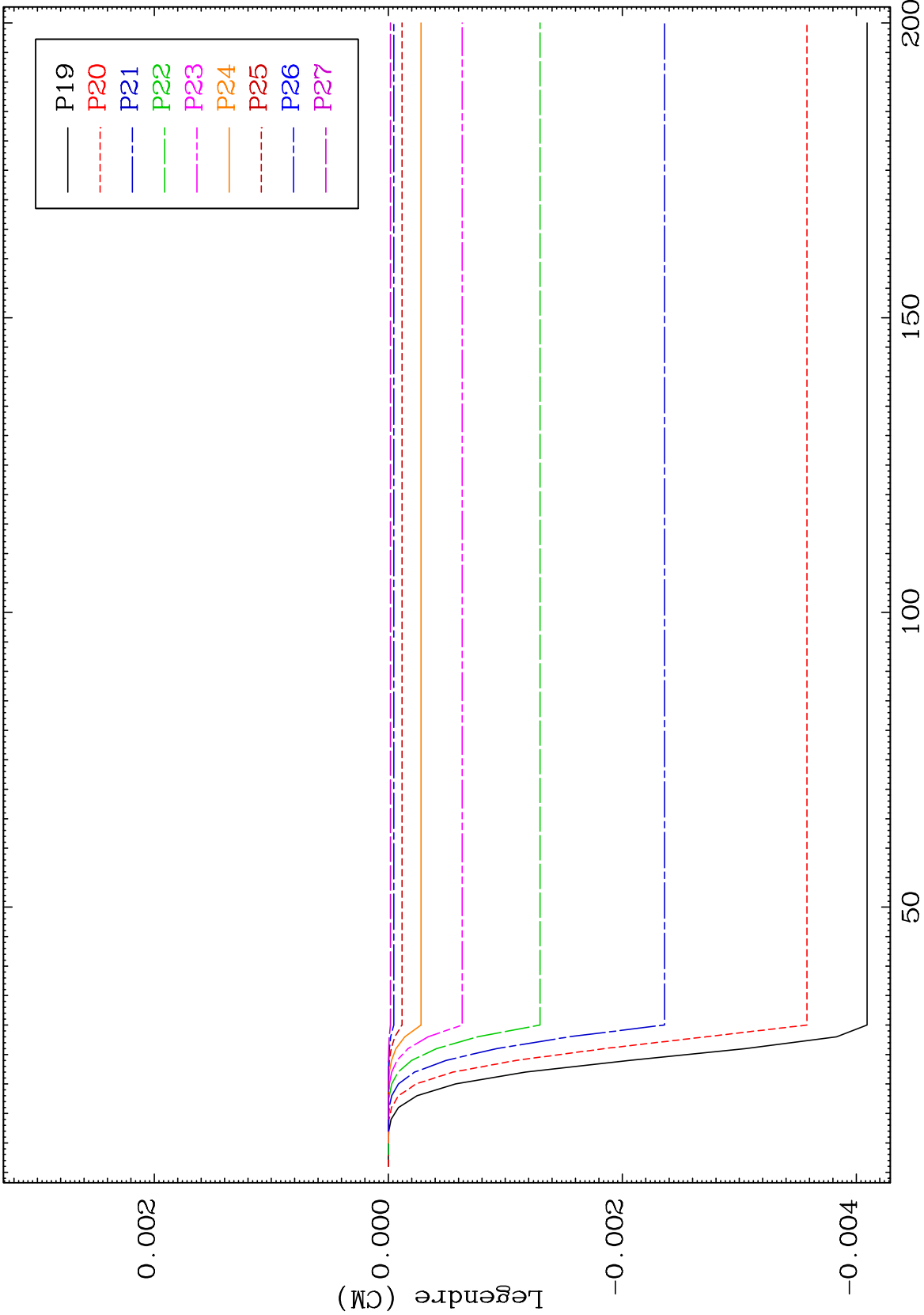
Incident Energy (MeV)

45

MAT 6149

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

61-Pm-147



46

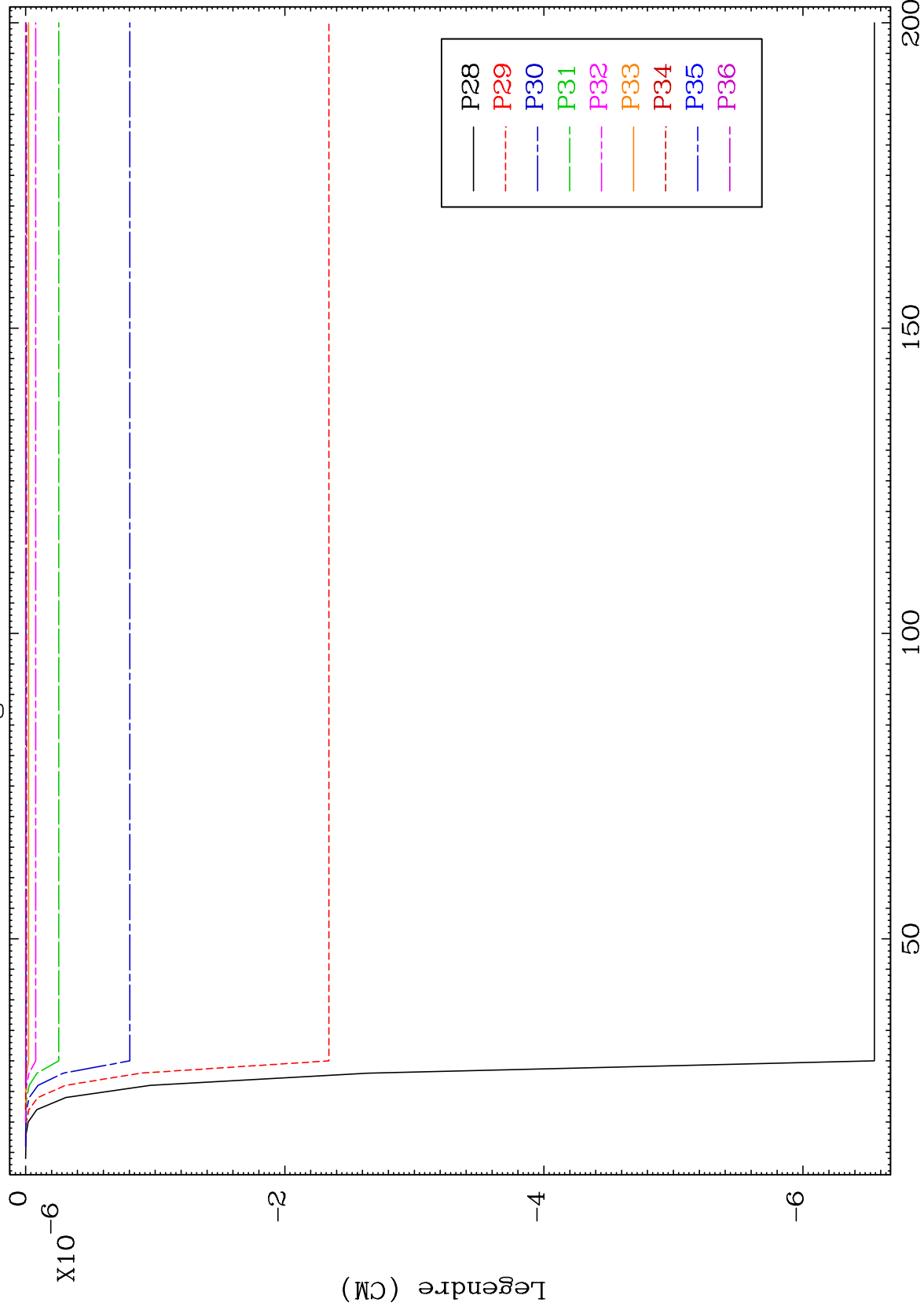
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



47

Incident Energy (MeV)

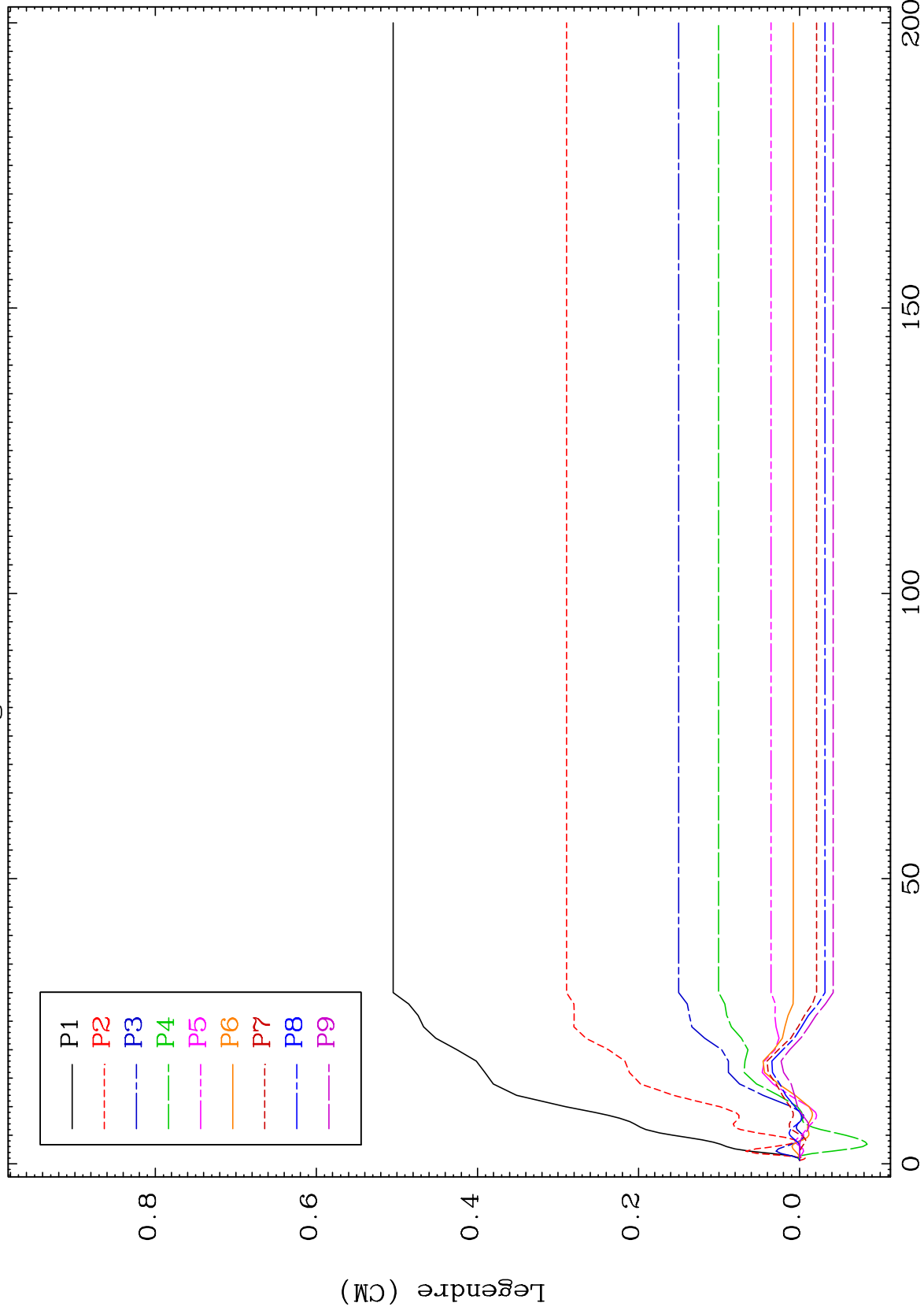
61-Pm-147



MAT 6149

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

61-Pm-147



48

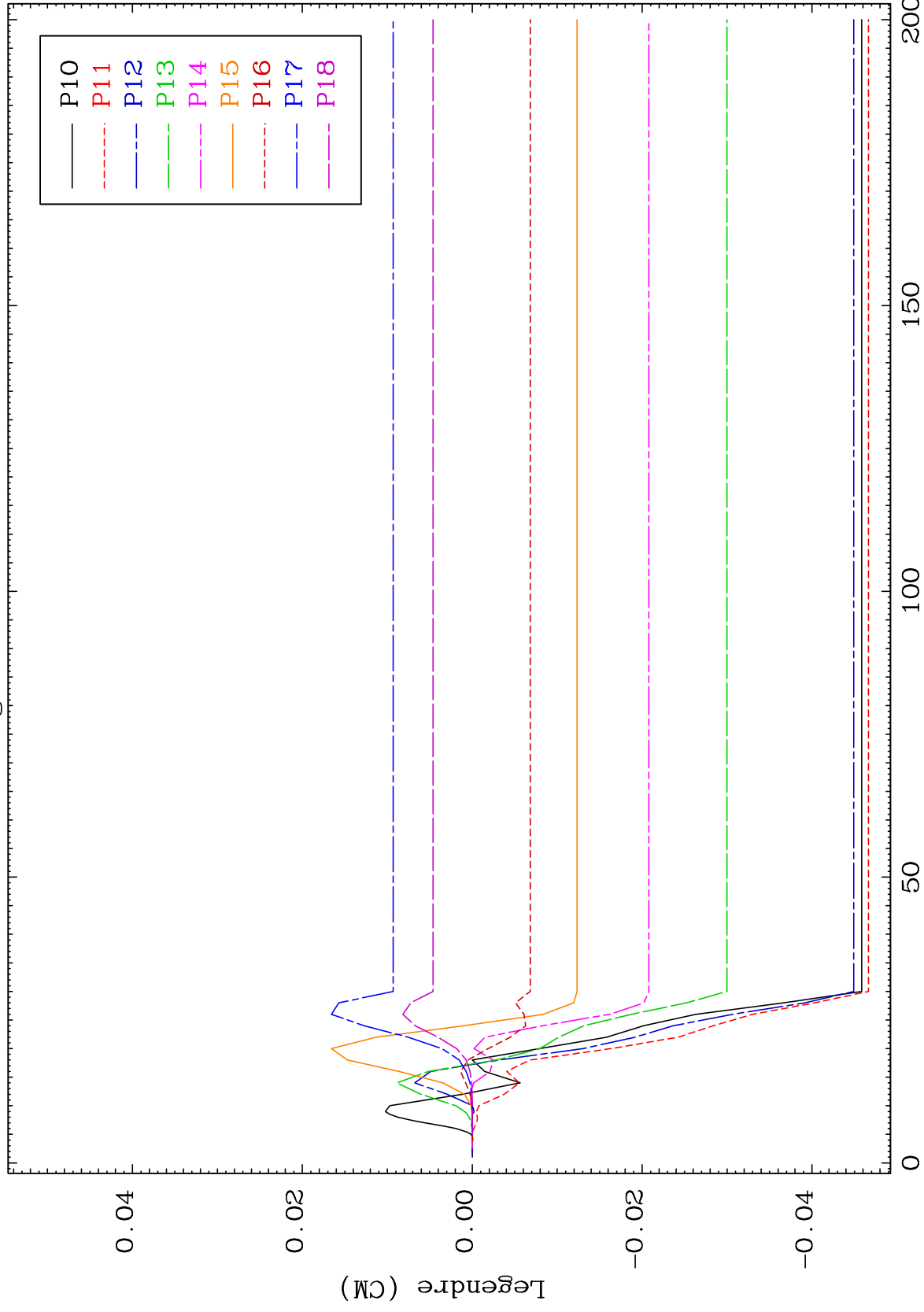
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



49

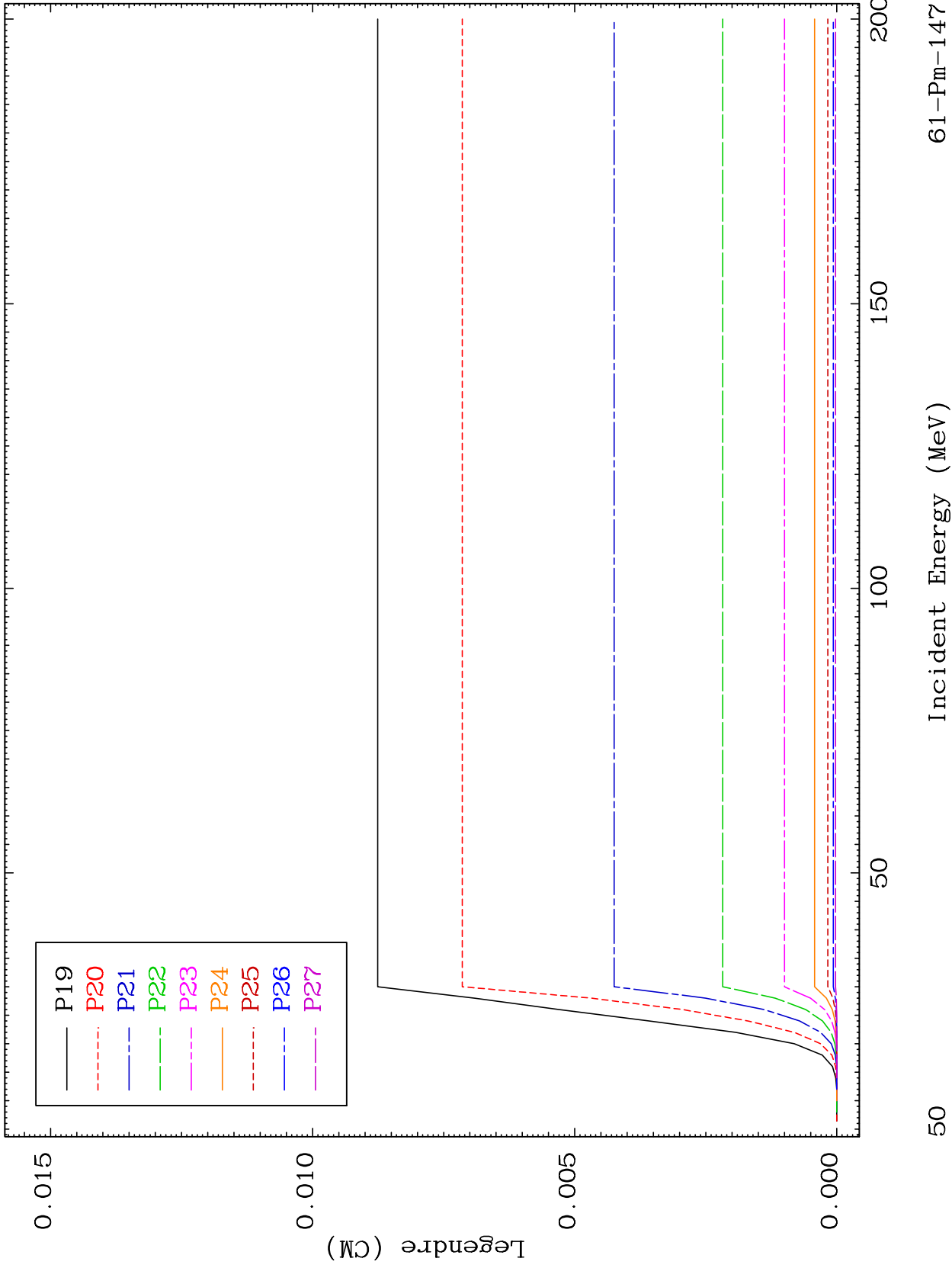
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



61-Pm-147

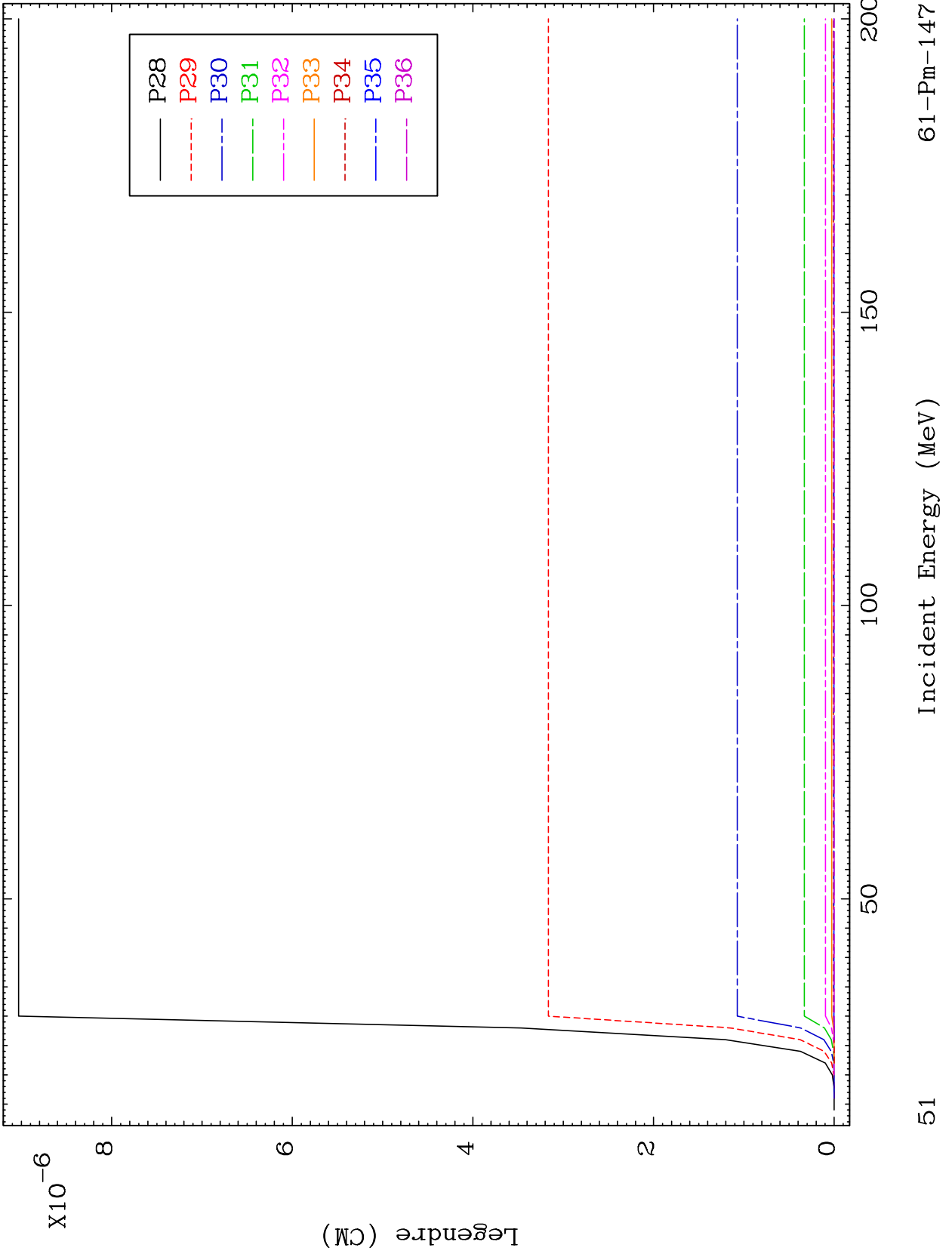
Incident Energy (MeV)

50

MAT 6149

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

61-Pm-147

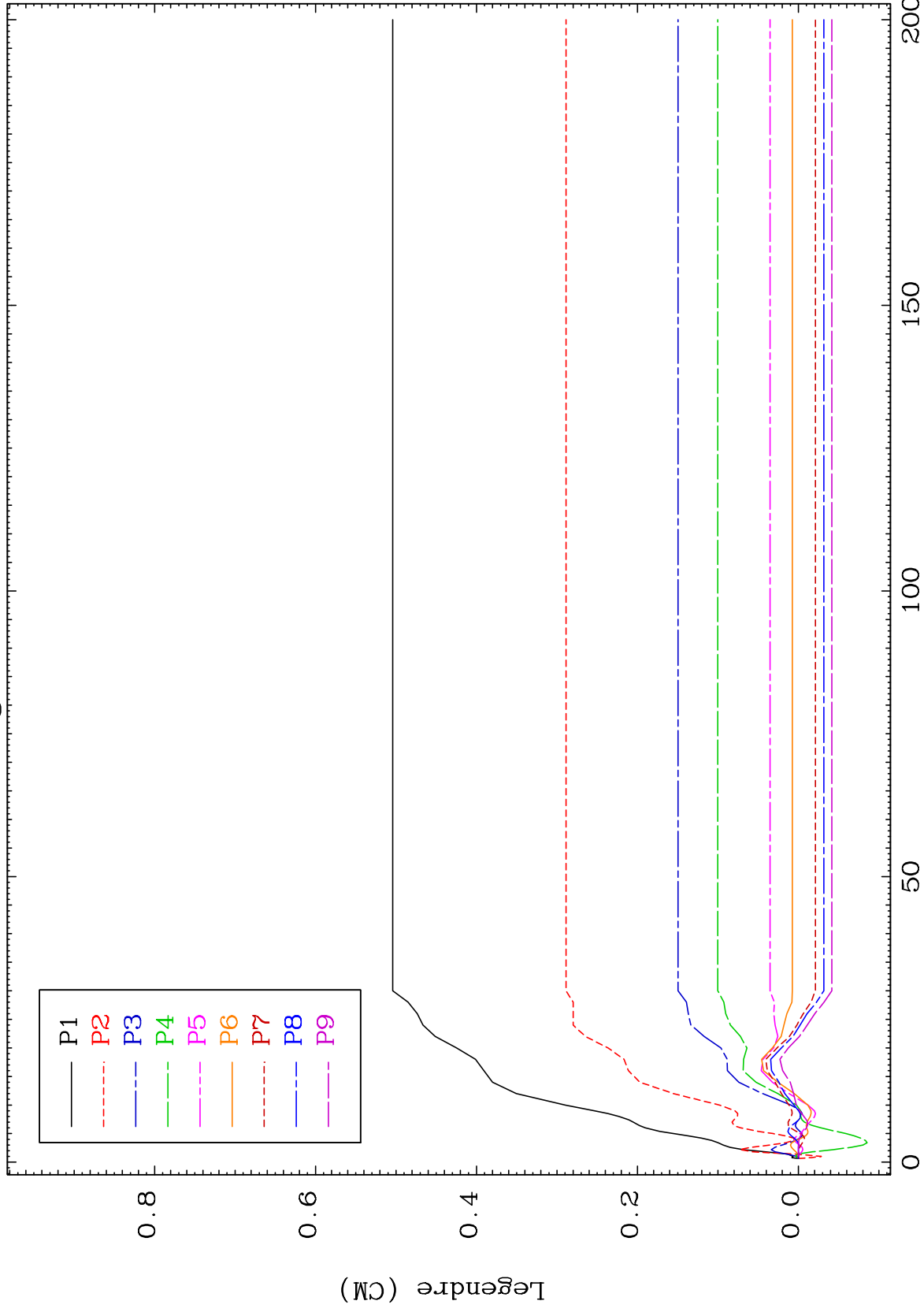


51

MAT 6149

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

61-Pm-147



52

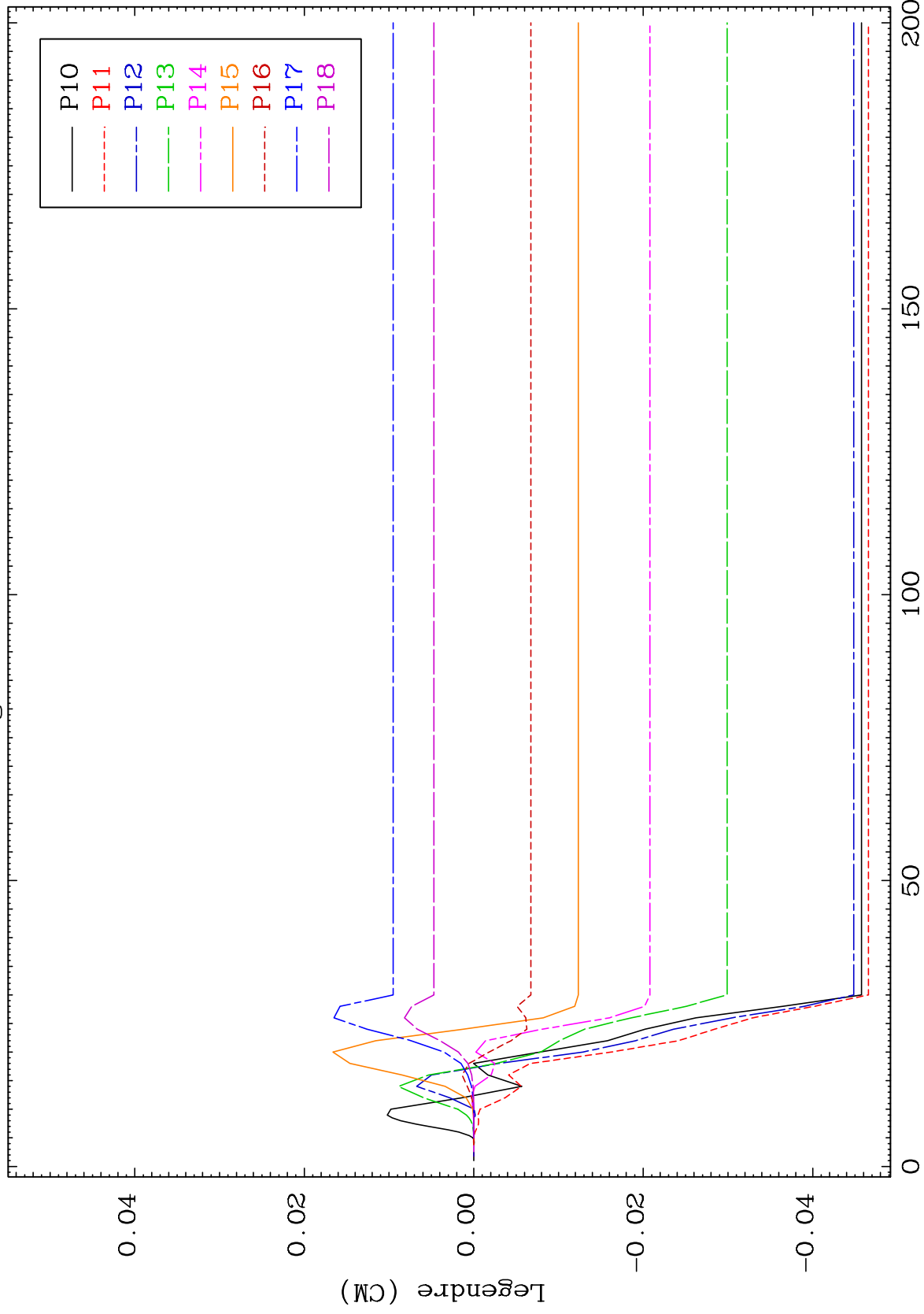
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



53

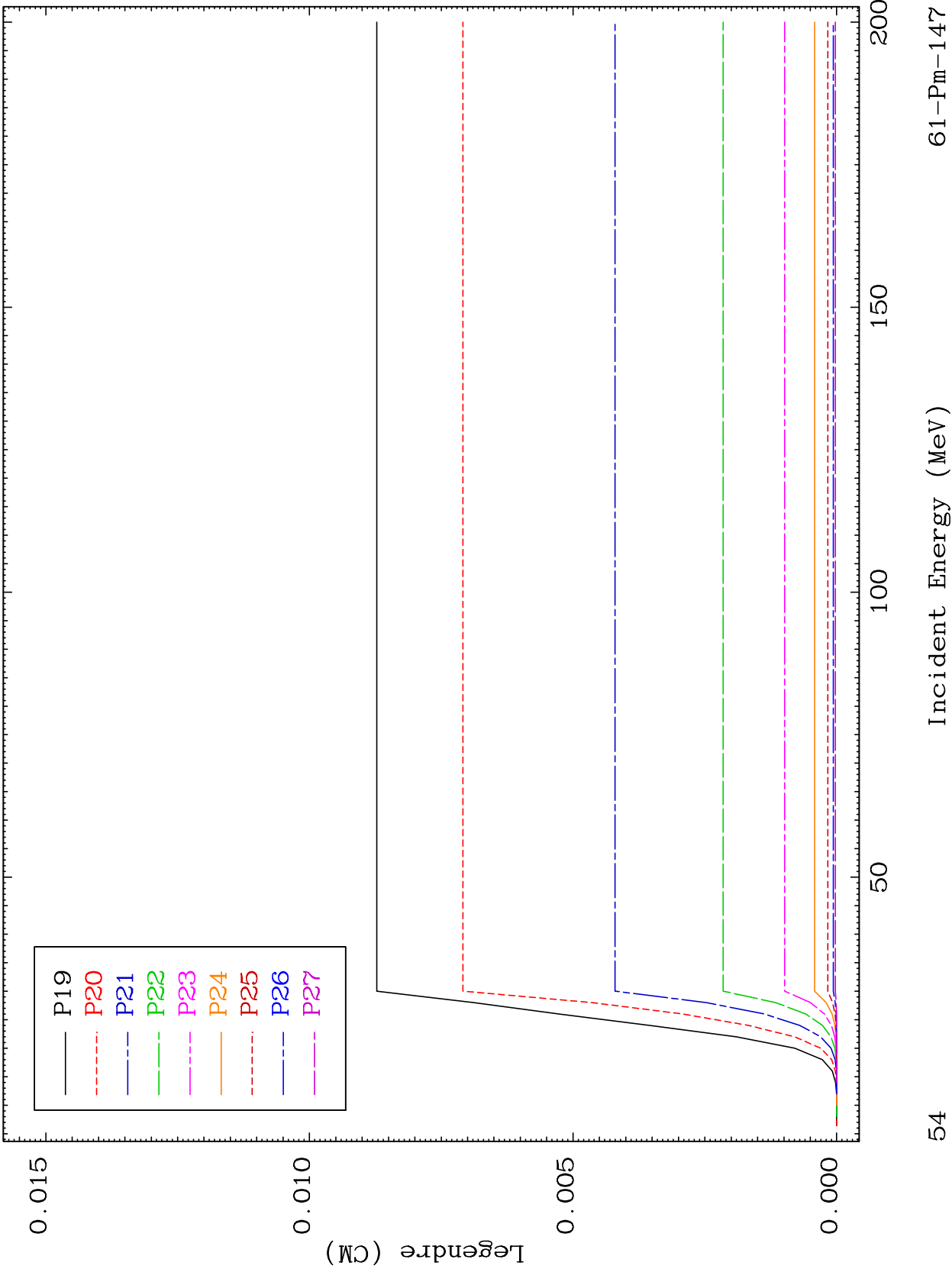
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



54

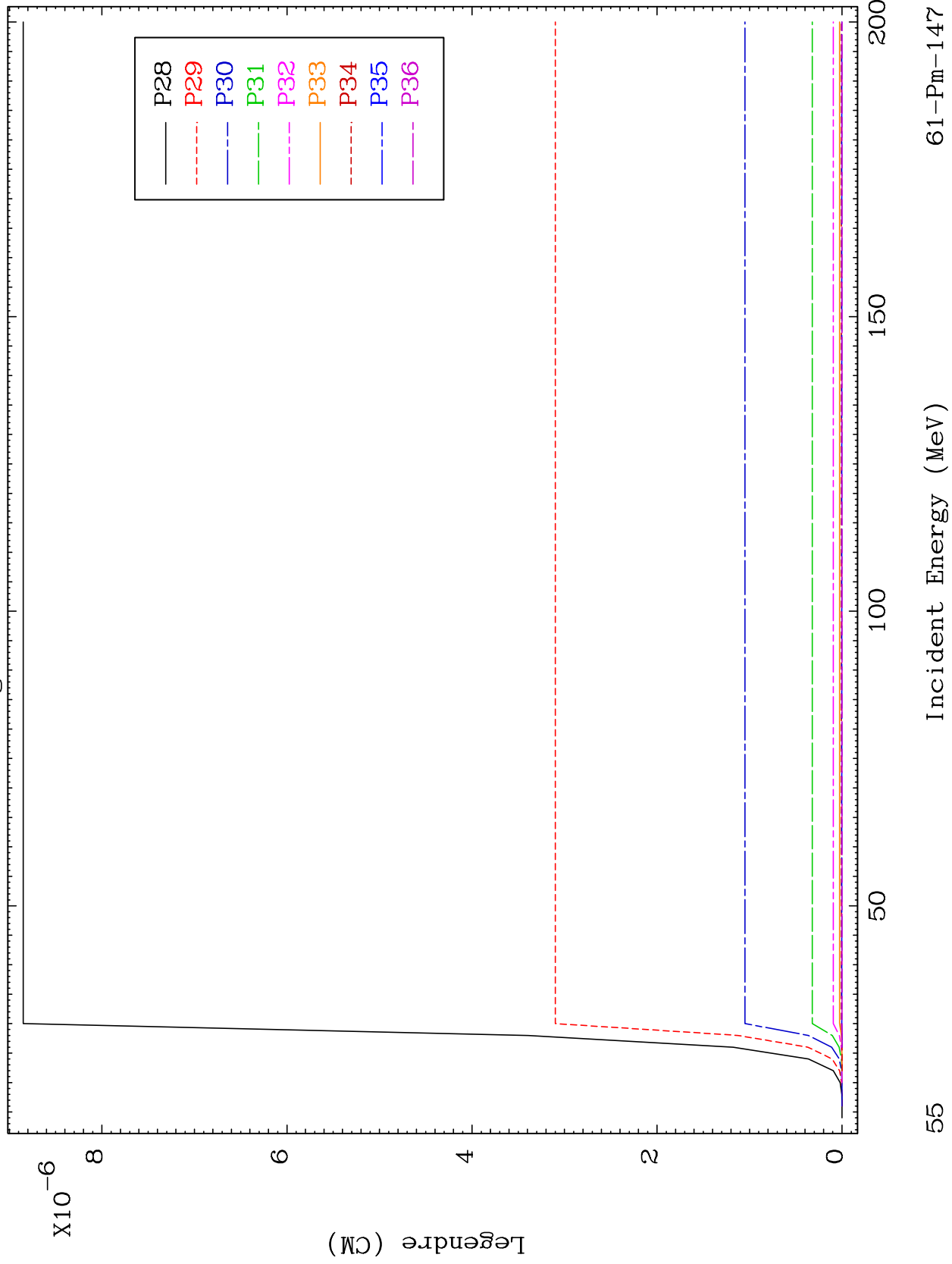
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



55

Incident Energy (MeV)

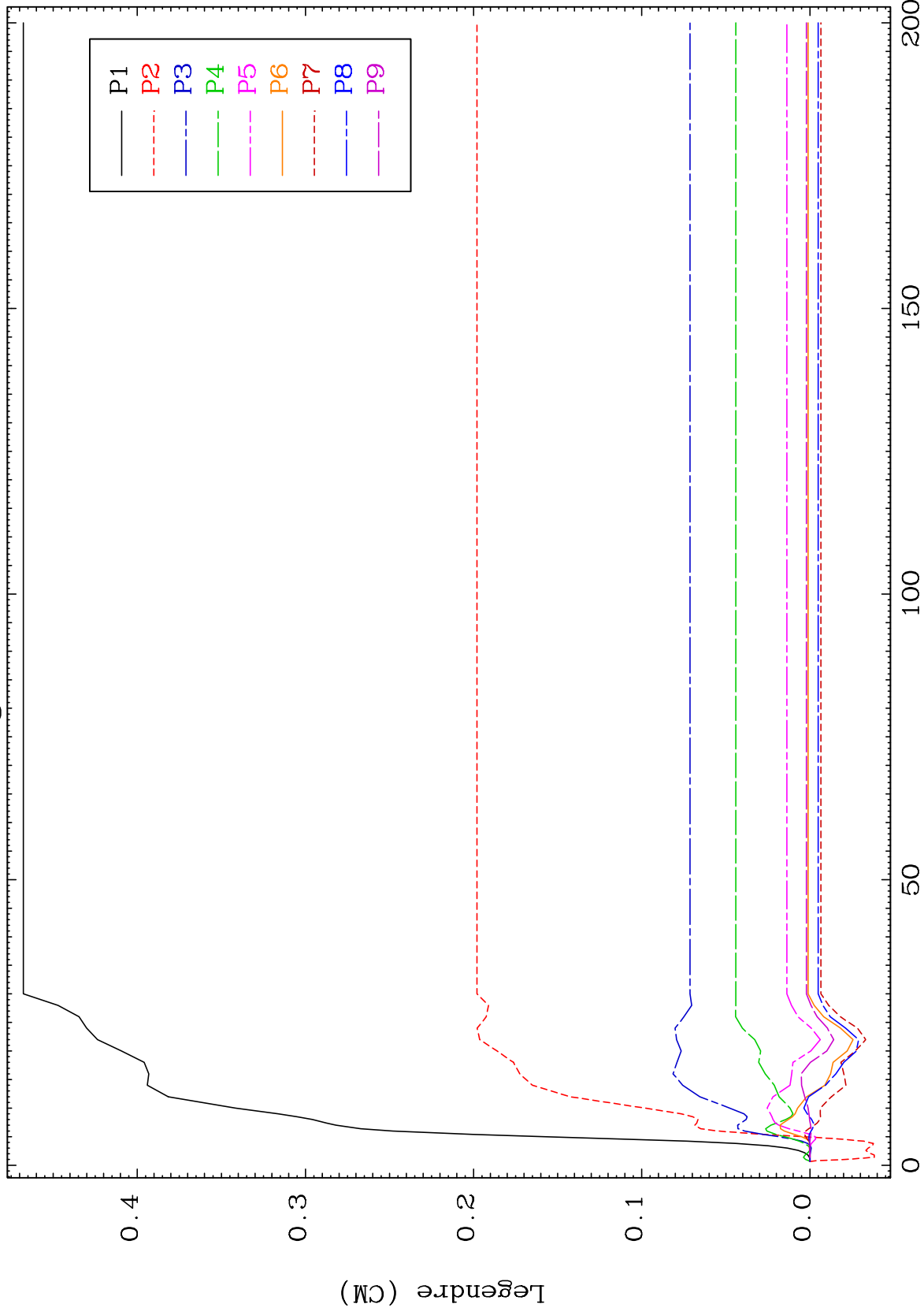
61-Pm-147



MAT 6149

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

61-Pm-147



61-Pm-147

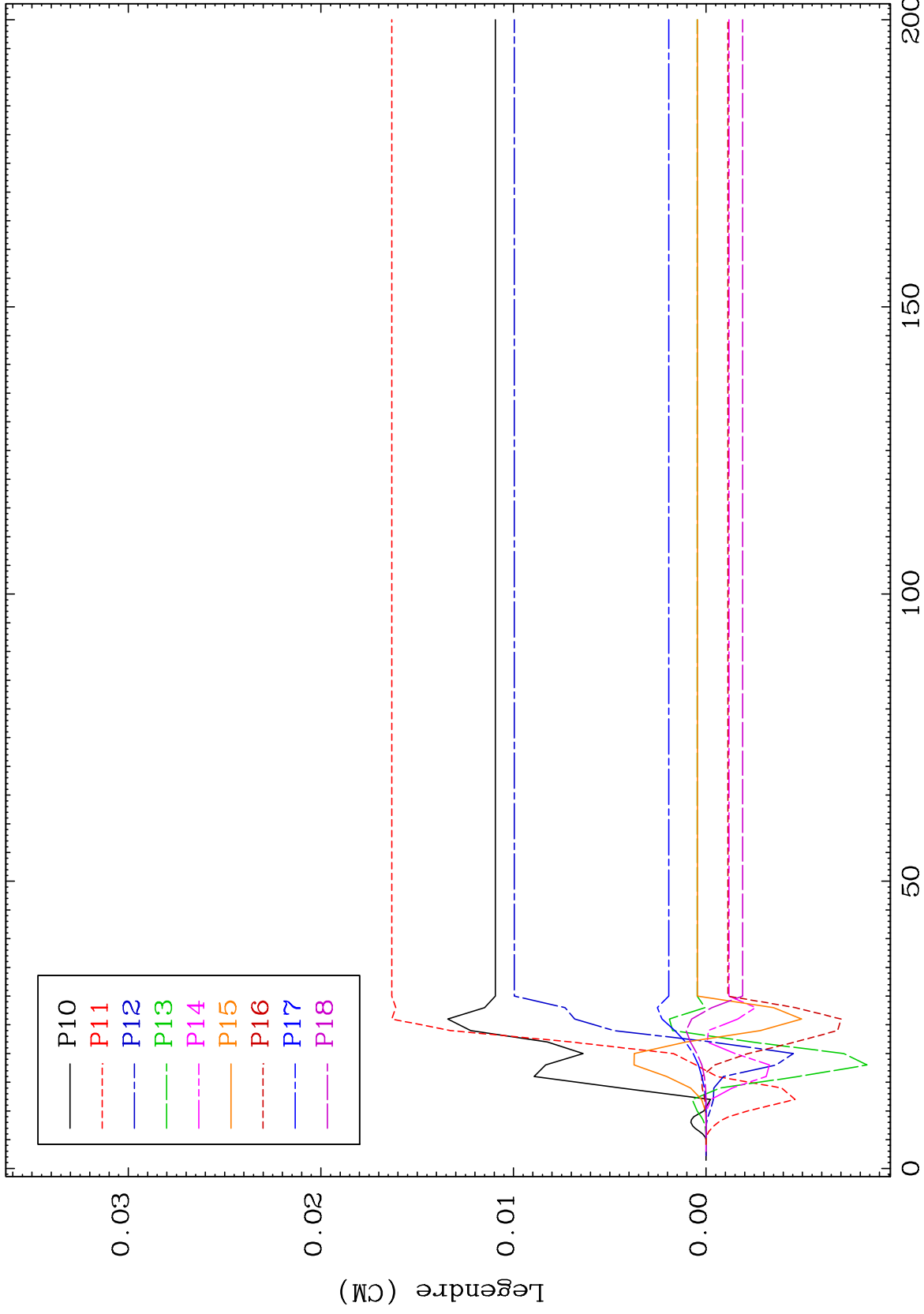
Incident Energy (MeV)

56

MAT 6149

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

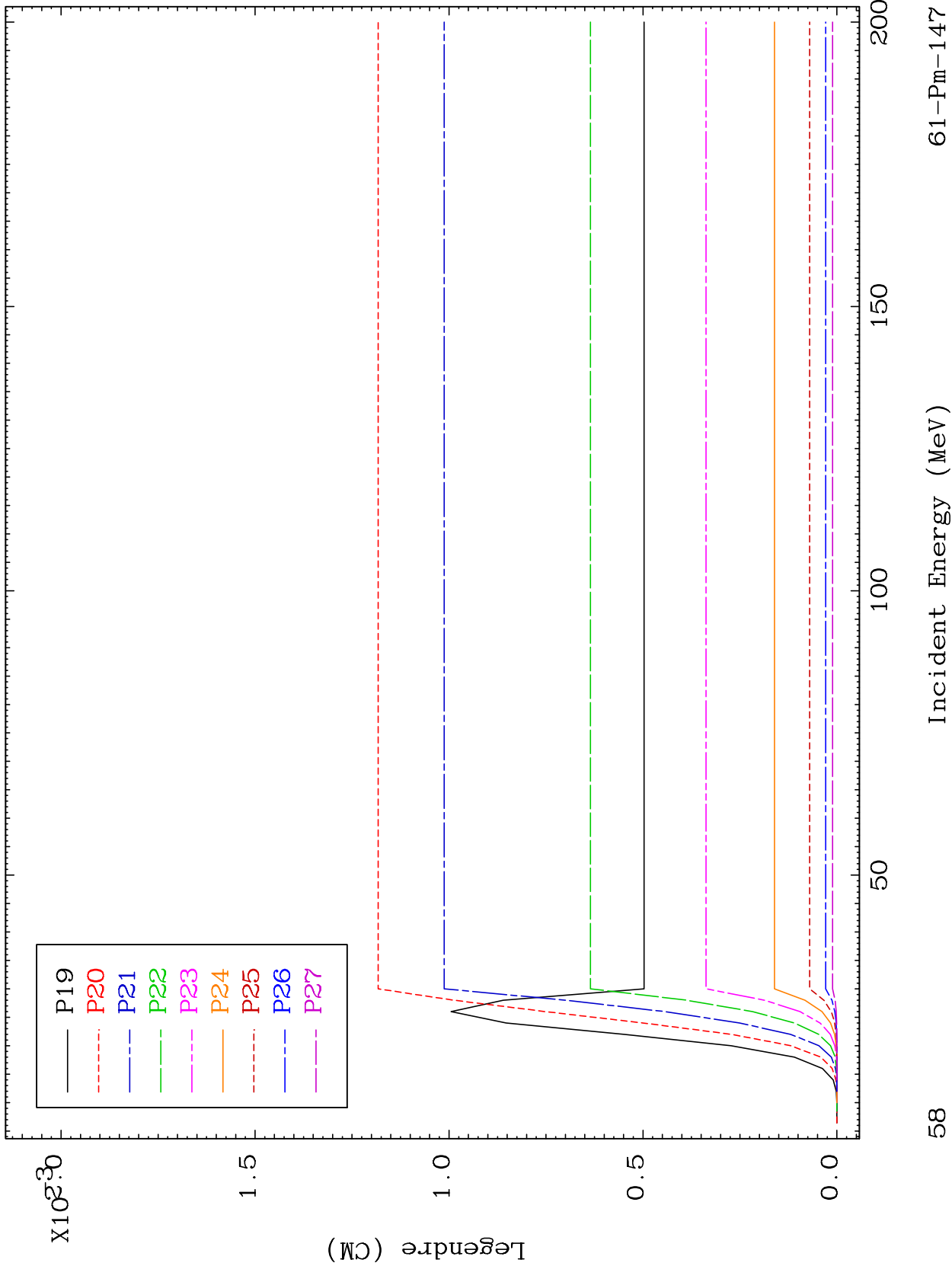
61-Pm-147



57

Incident Energy (MeV)

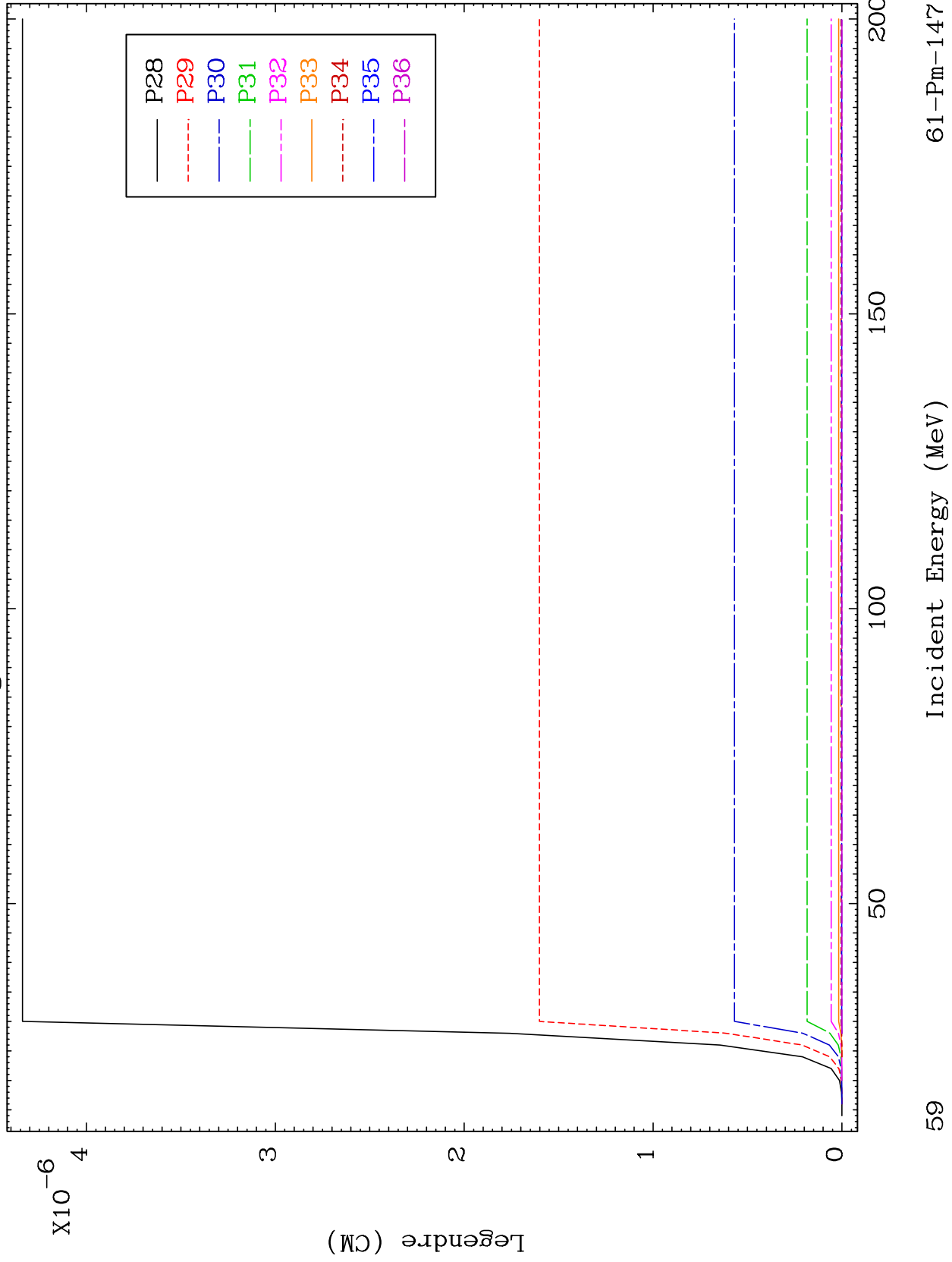
61-Pm-147



MAT 6149

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

61-Pm-147



59

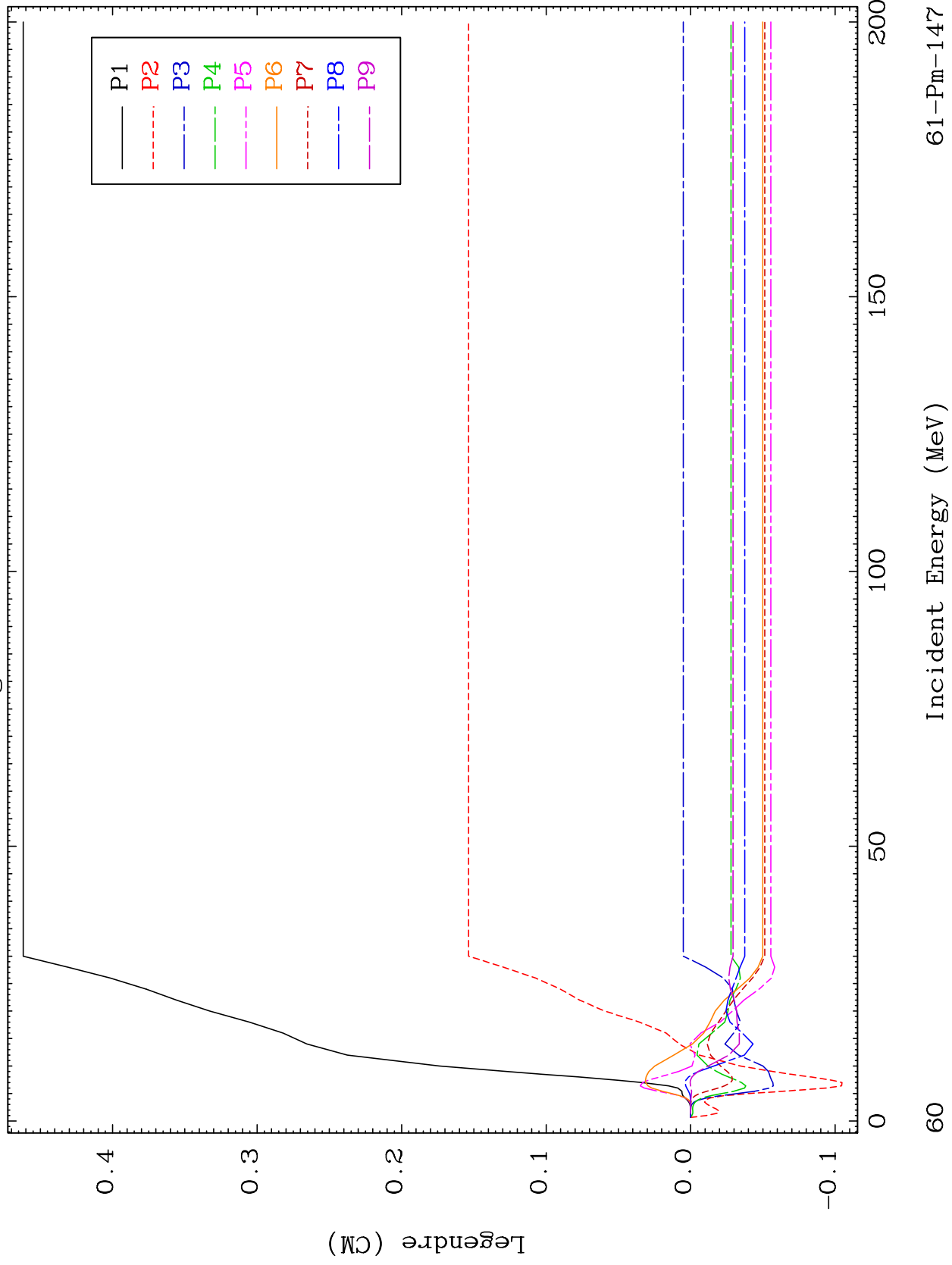
Incident Energy (MeV)

61-Pm-147

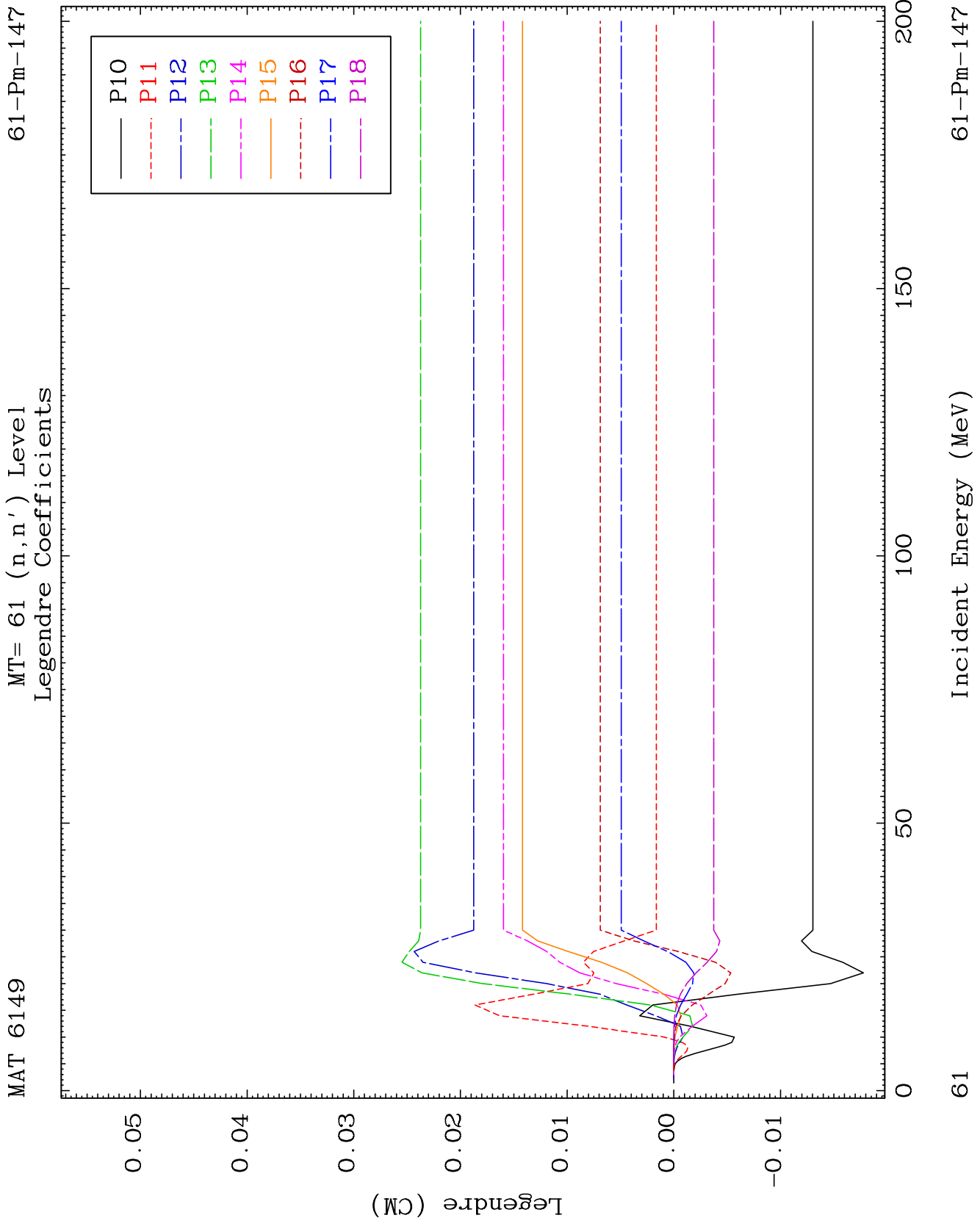
MAT 6149

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

61-Pm-147



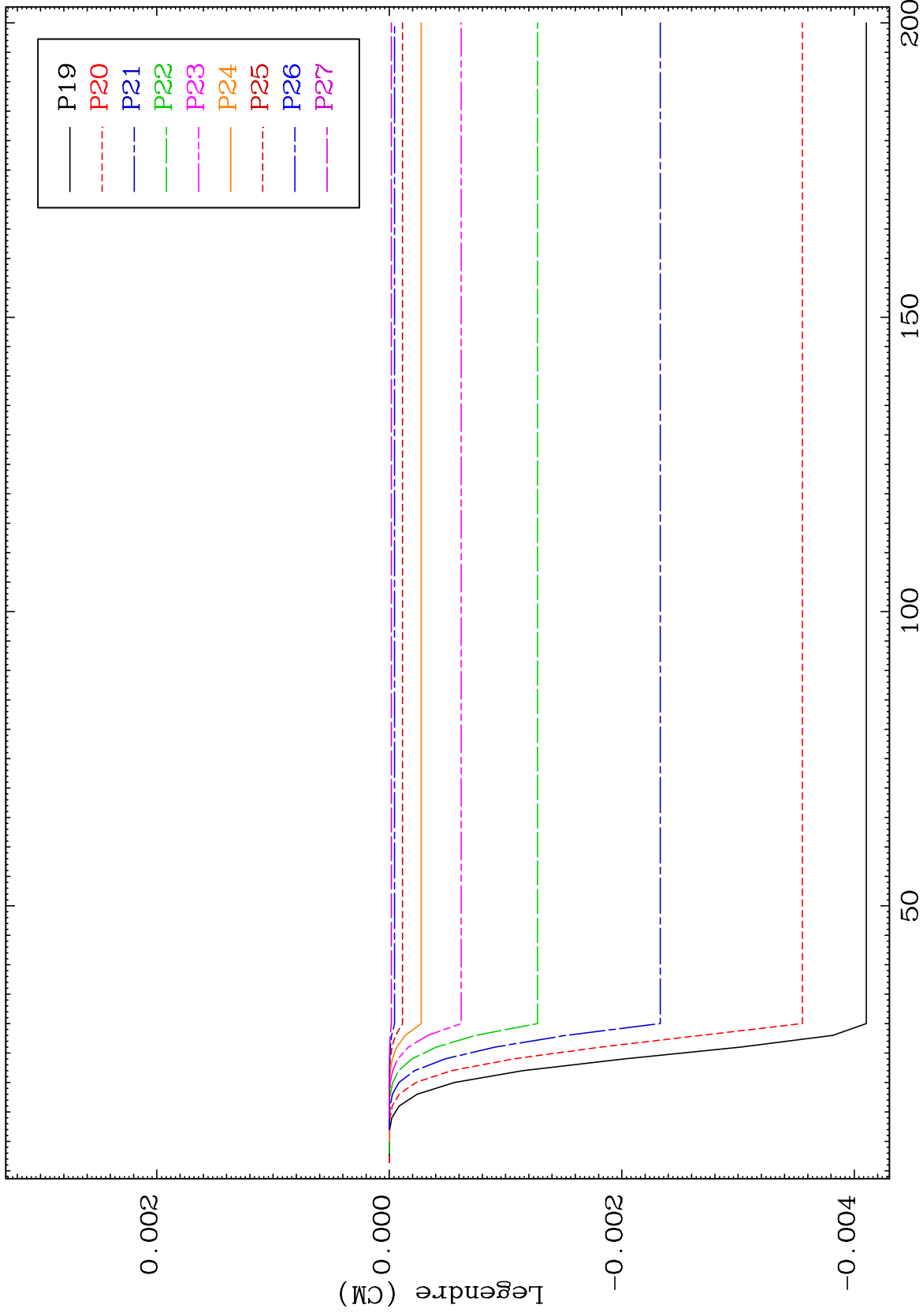
61-Pm-147



MAT 6149

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

61-Pm-147



62

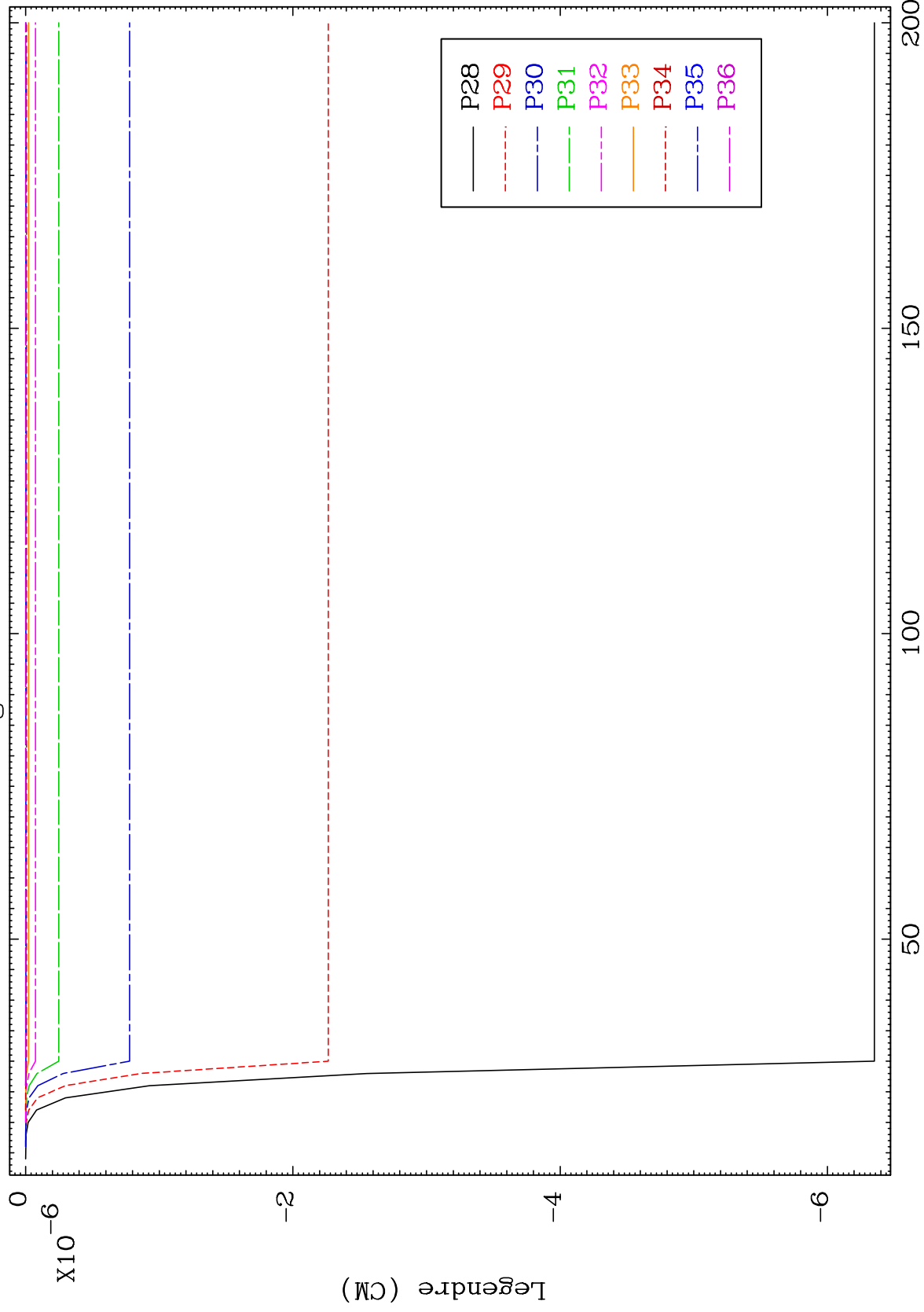
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



63

61-Pm-147

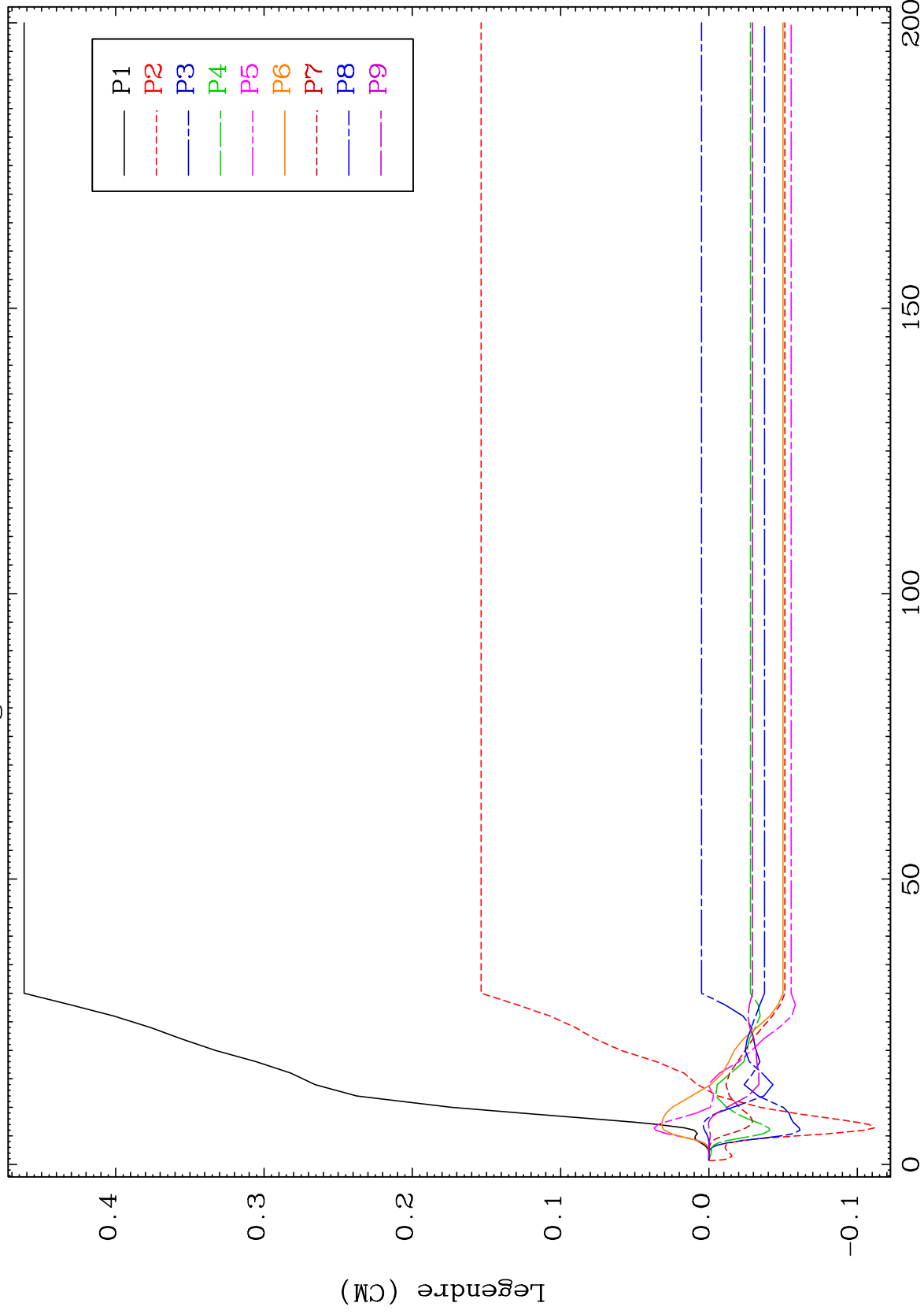
61-Pm-147



MAT 6149

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

61-Pm-147



64

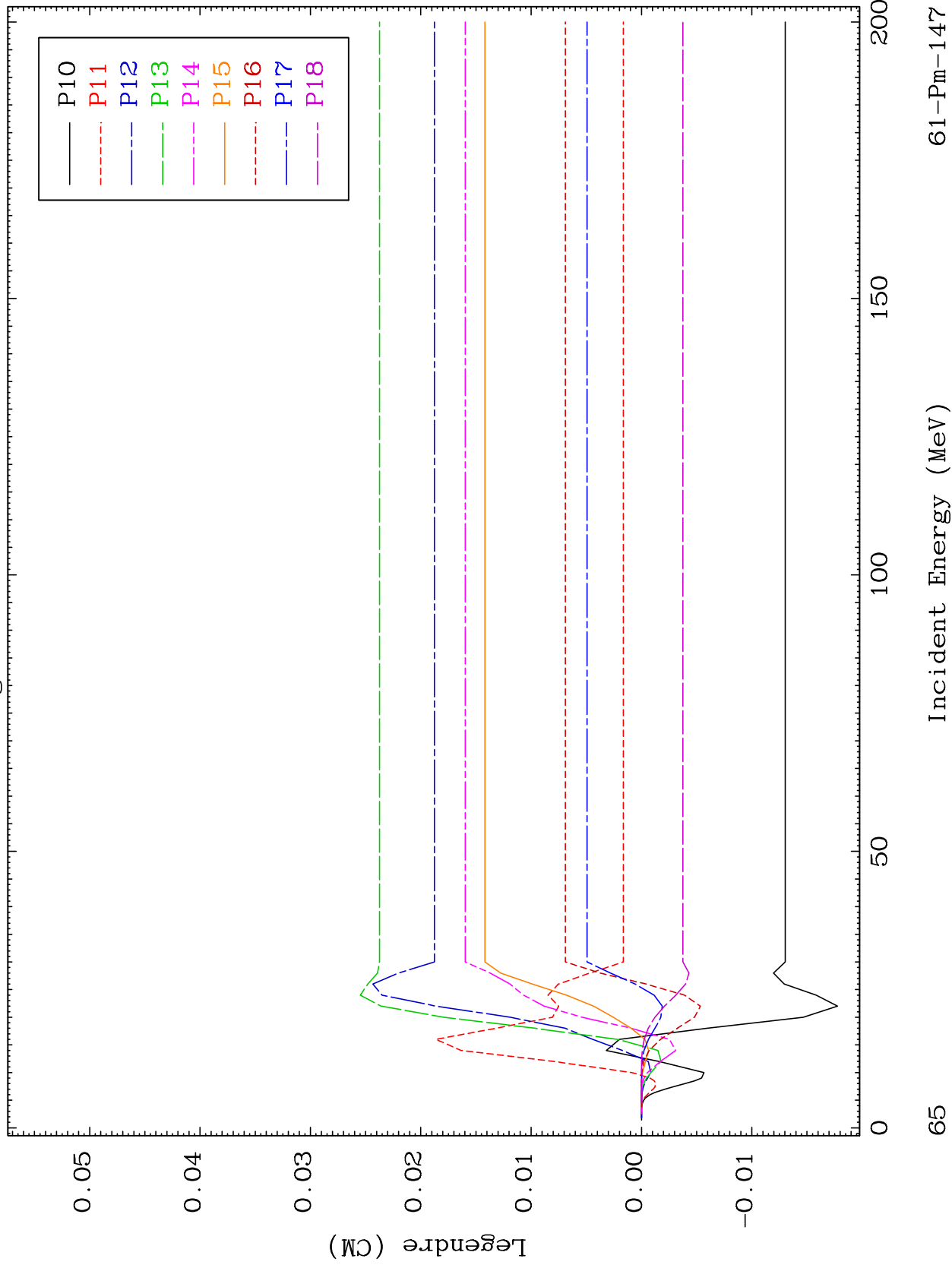
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



61-Pm-147

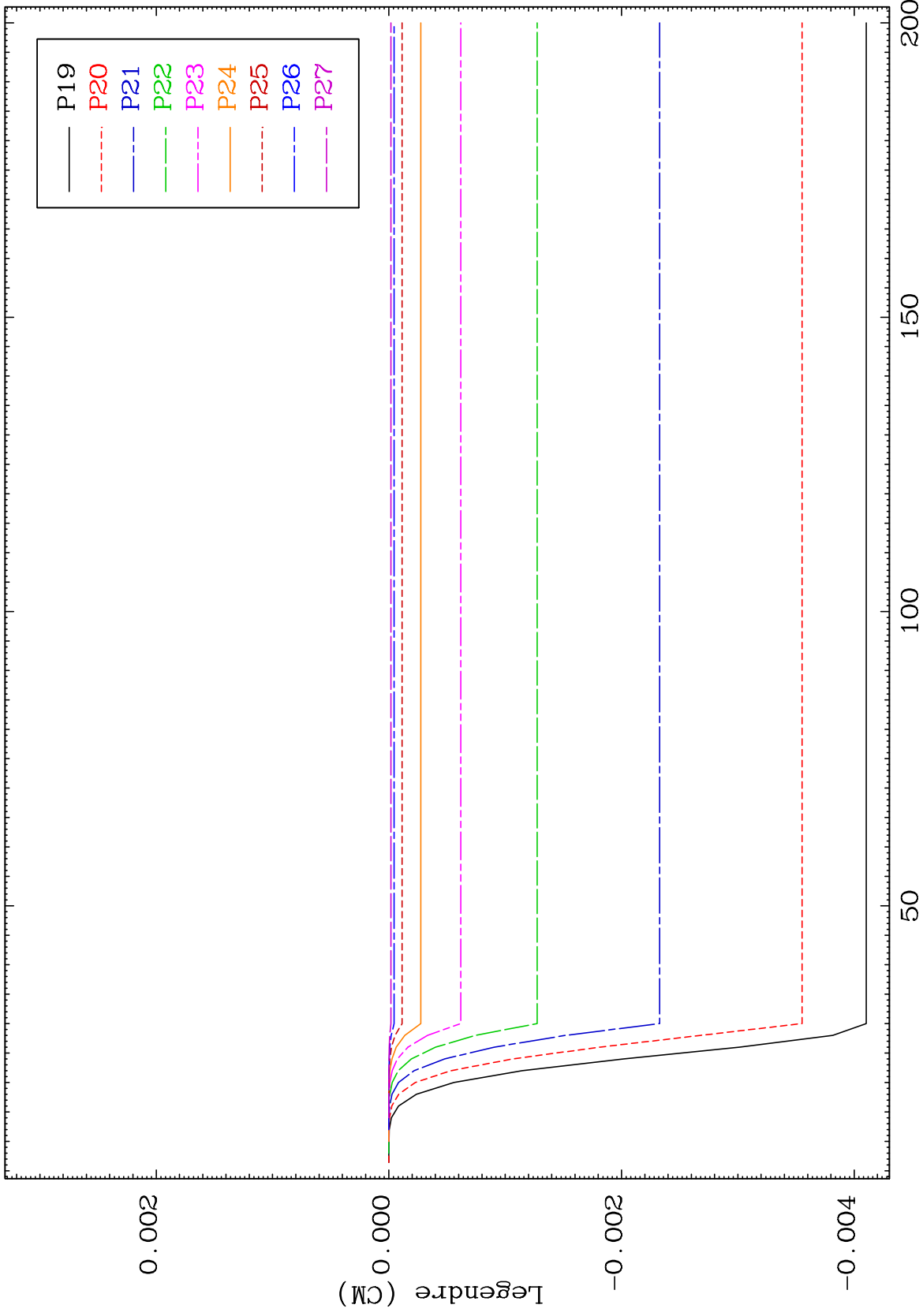
Incident Energy (MeV)

65

MAT 6149

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

61-Pm-147



66

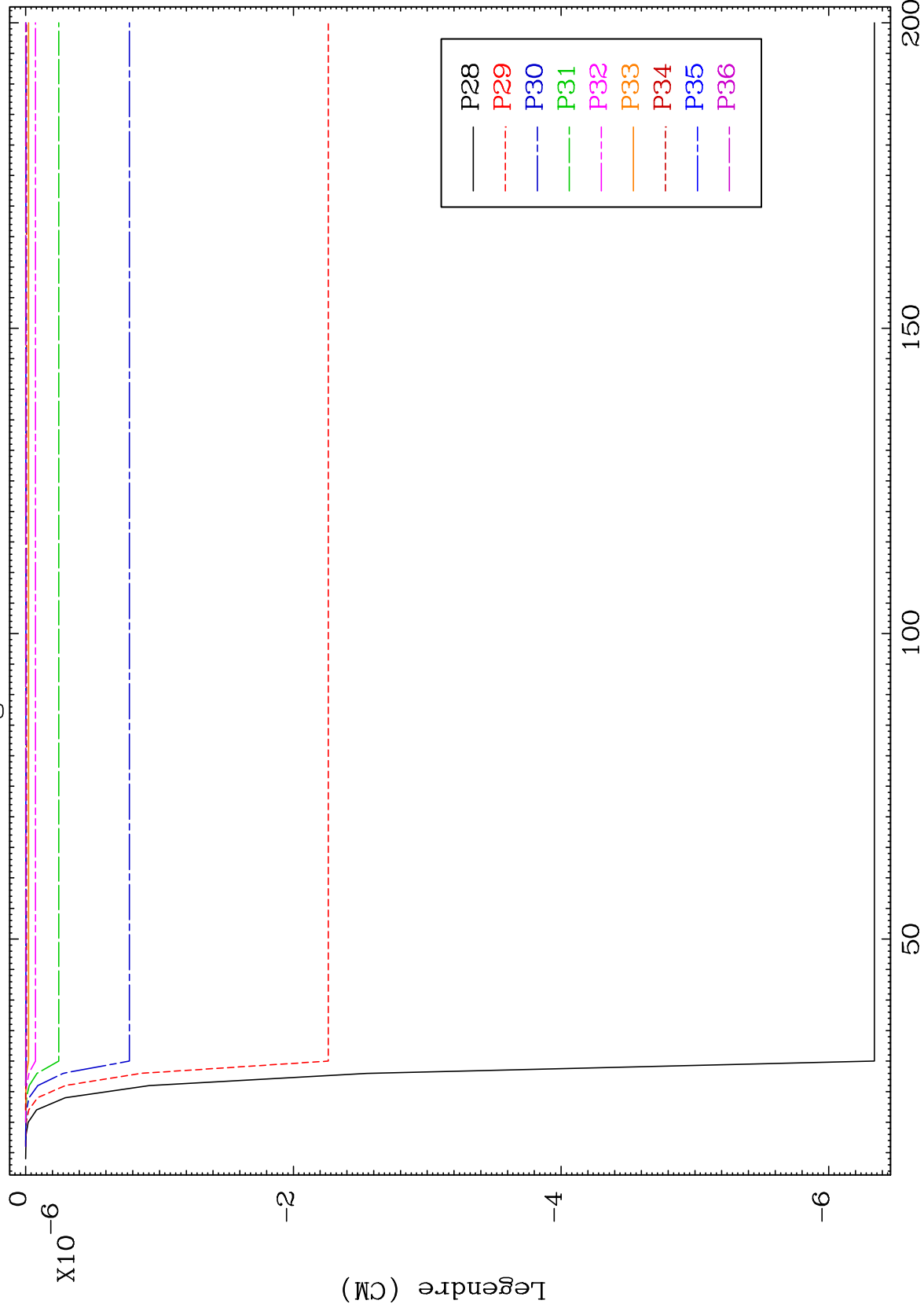
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



67

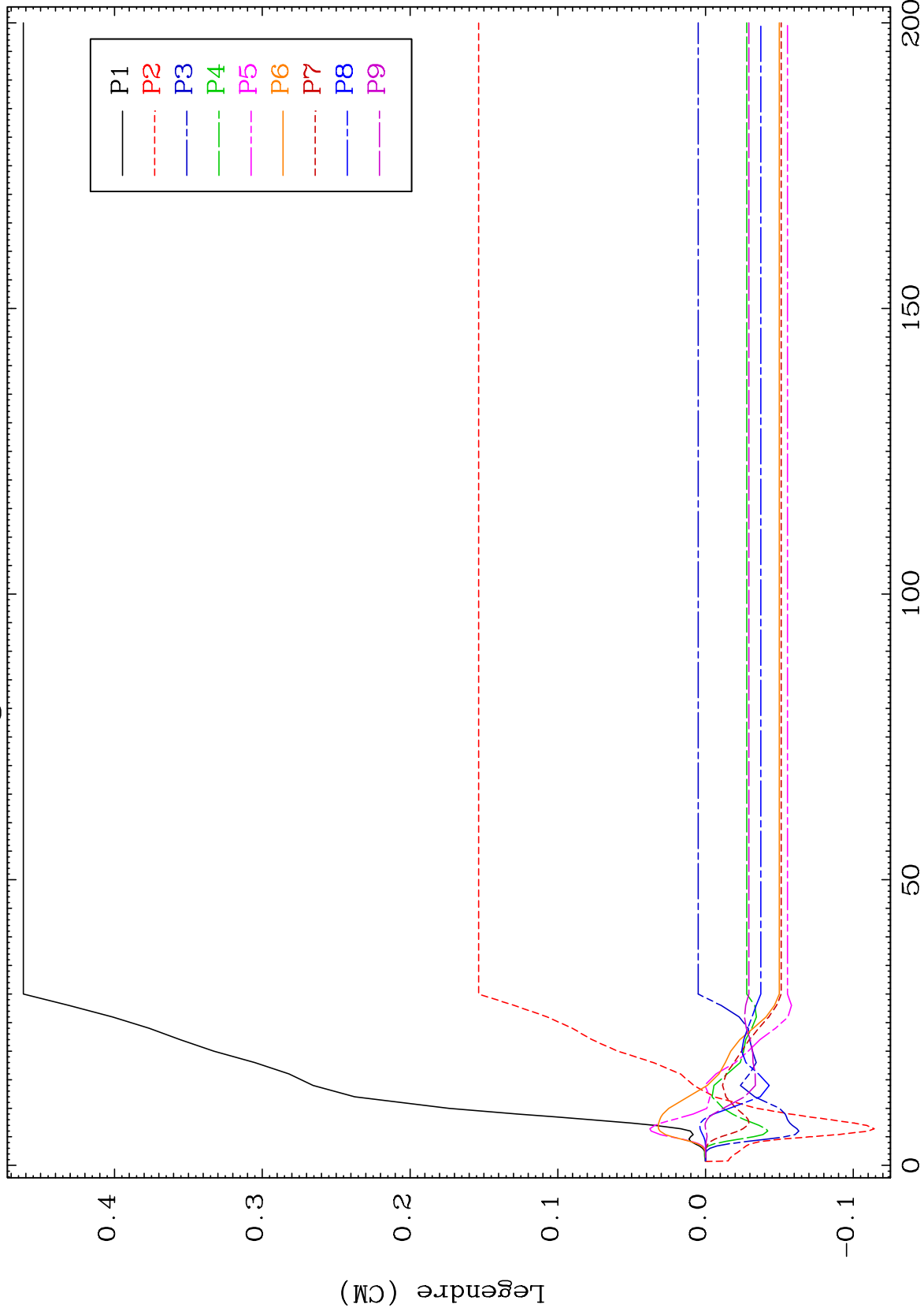
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



61-Pm-147

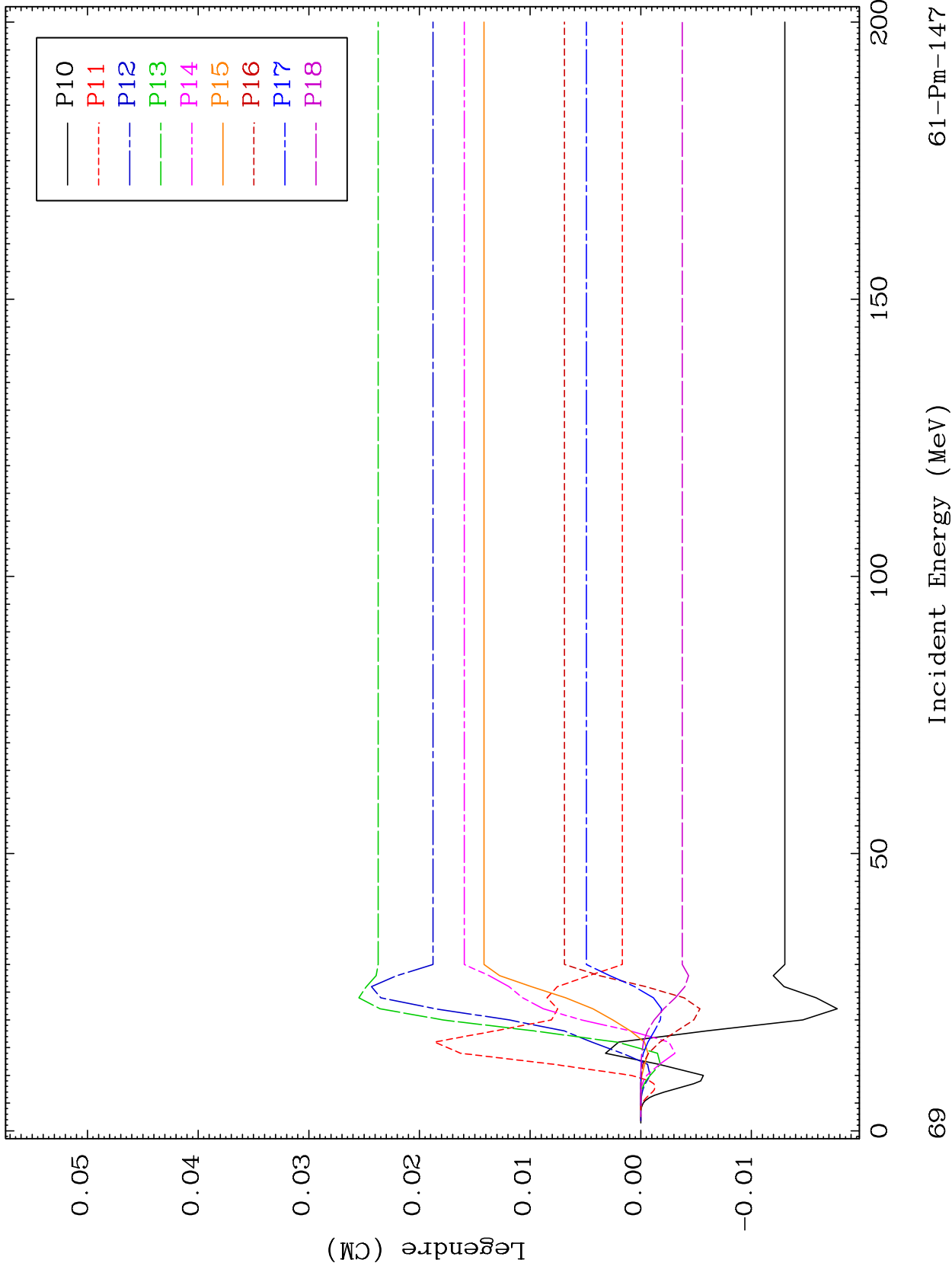
Incident Energy (MeV)

68

MAT 6149

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

61-Pm-147



61-Pm-147

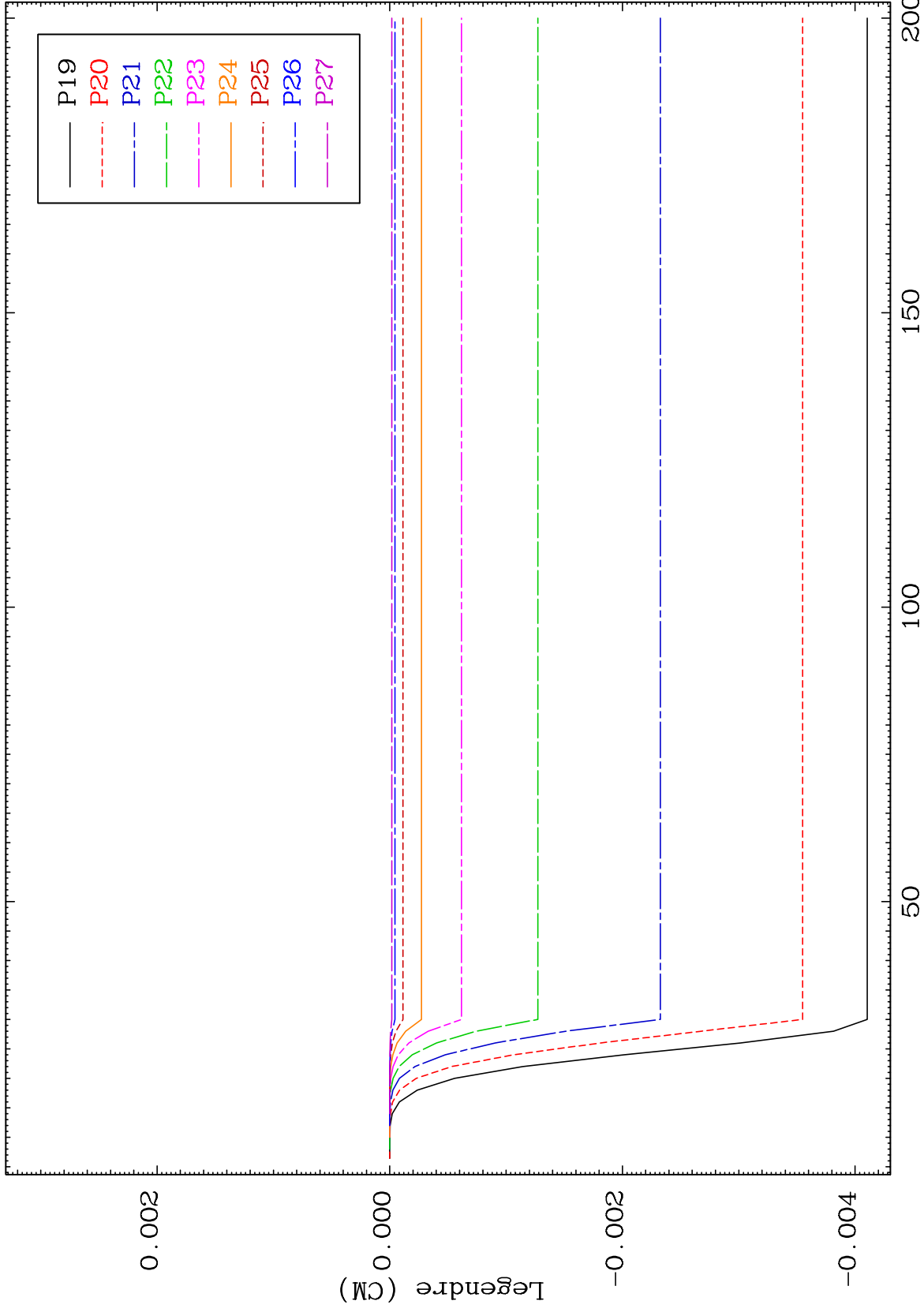
Incident Energy (MeV)

69

MAT 6149

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

61-Pm-147



70

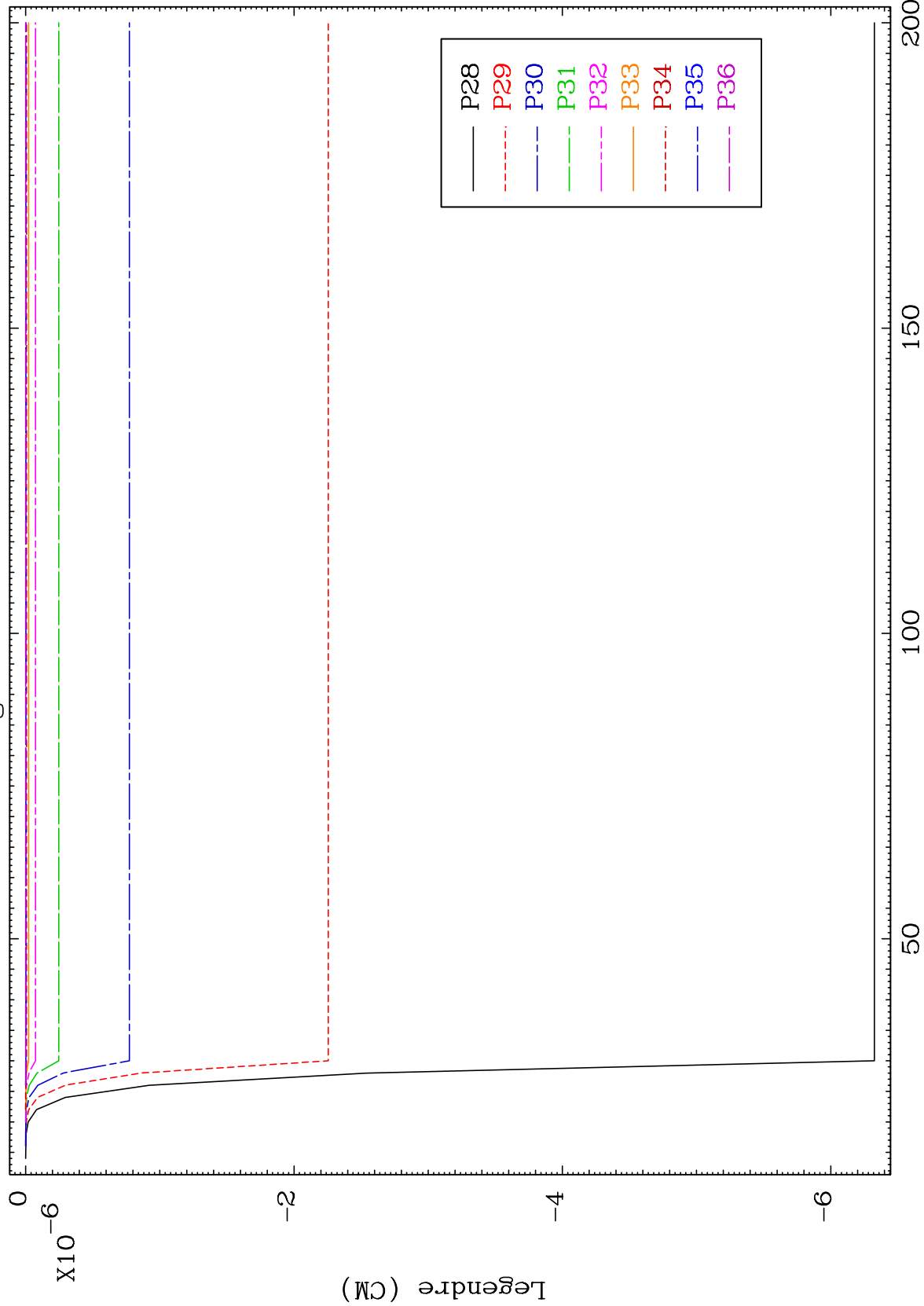
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



71

Incident Energy (MeV)

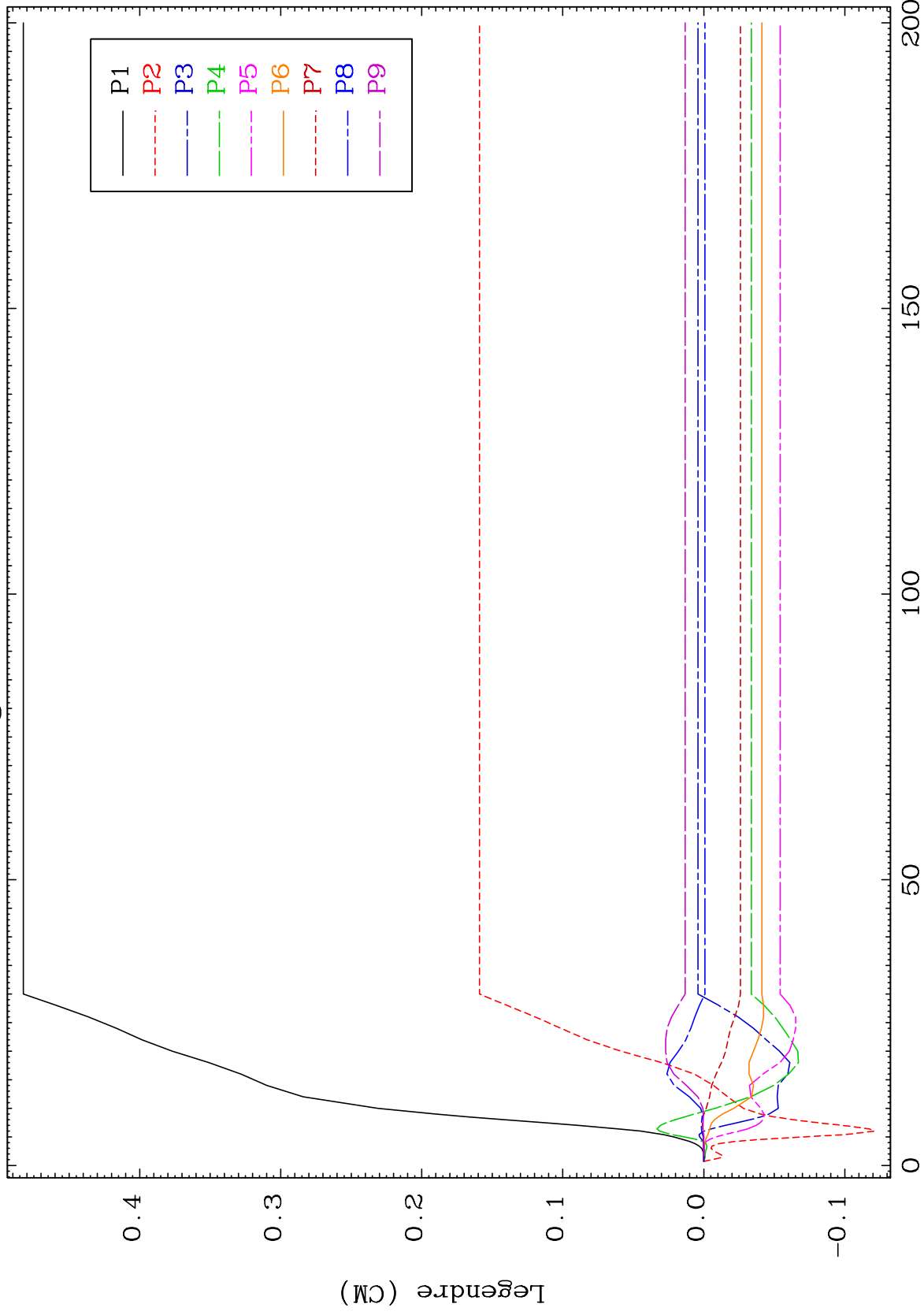
61-Pm-147



MAT 6149

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

61-Pm-147



72

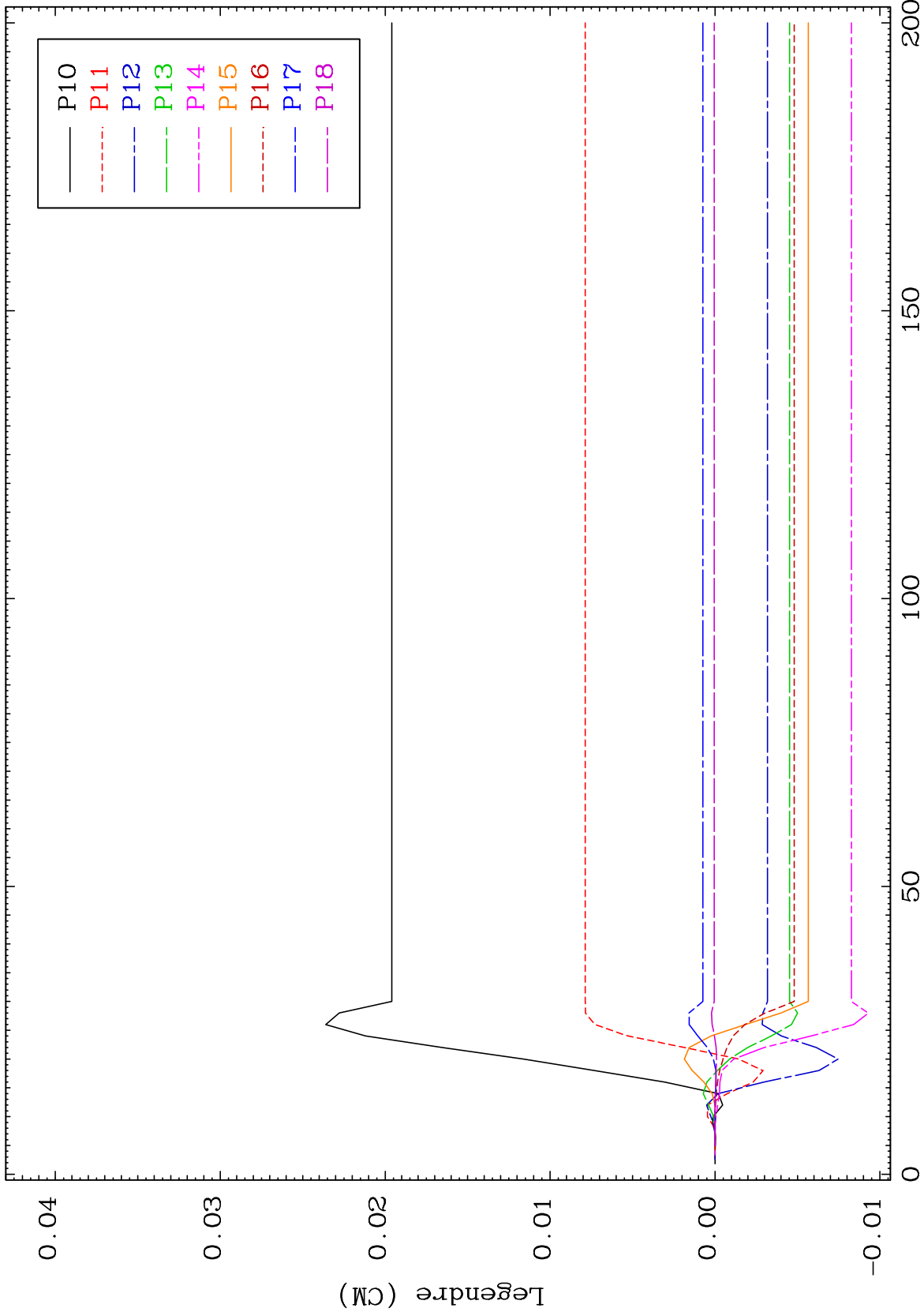
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

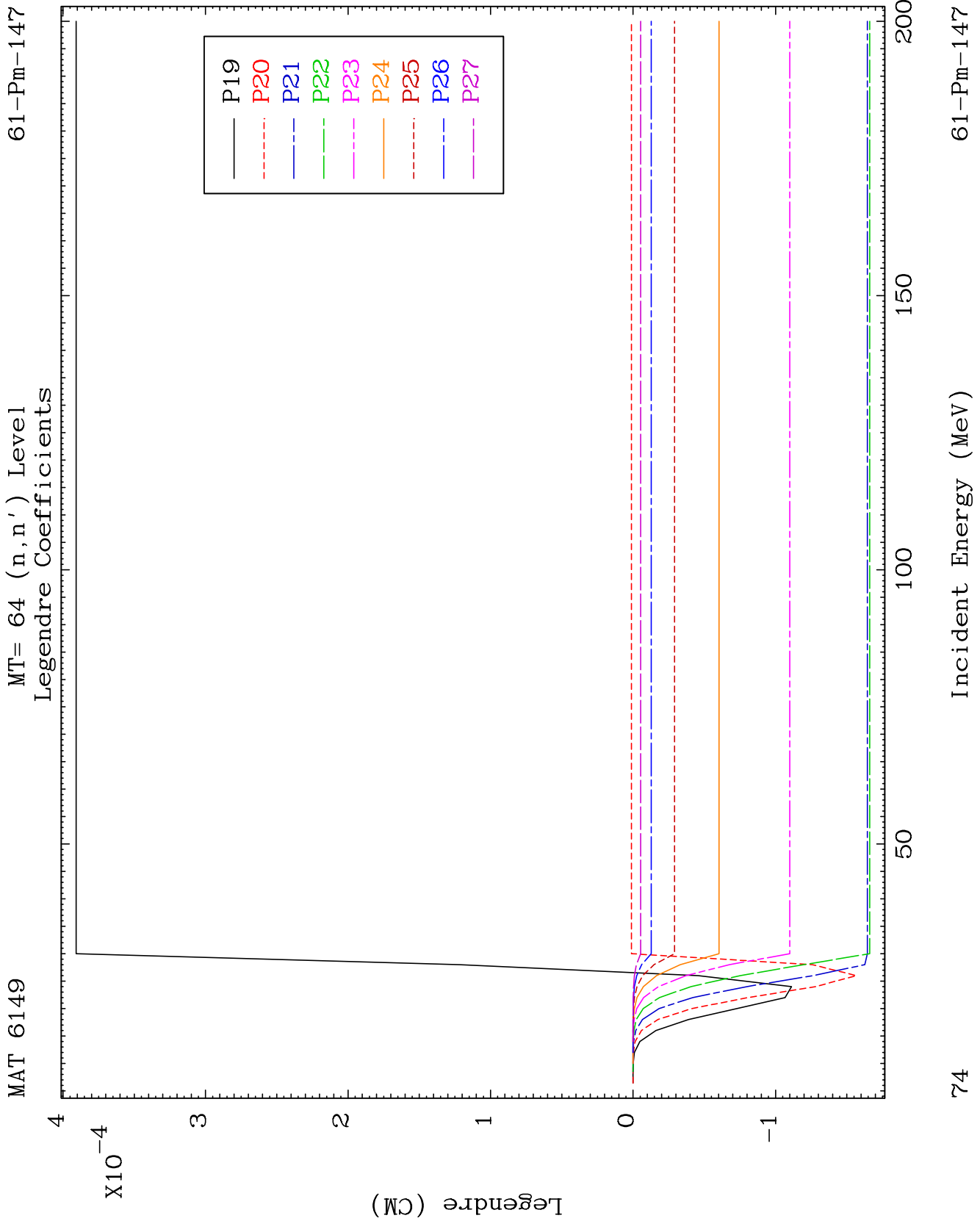
61-Pm-147



73

Incident Energy (MeV)

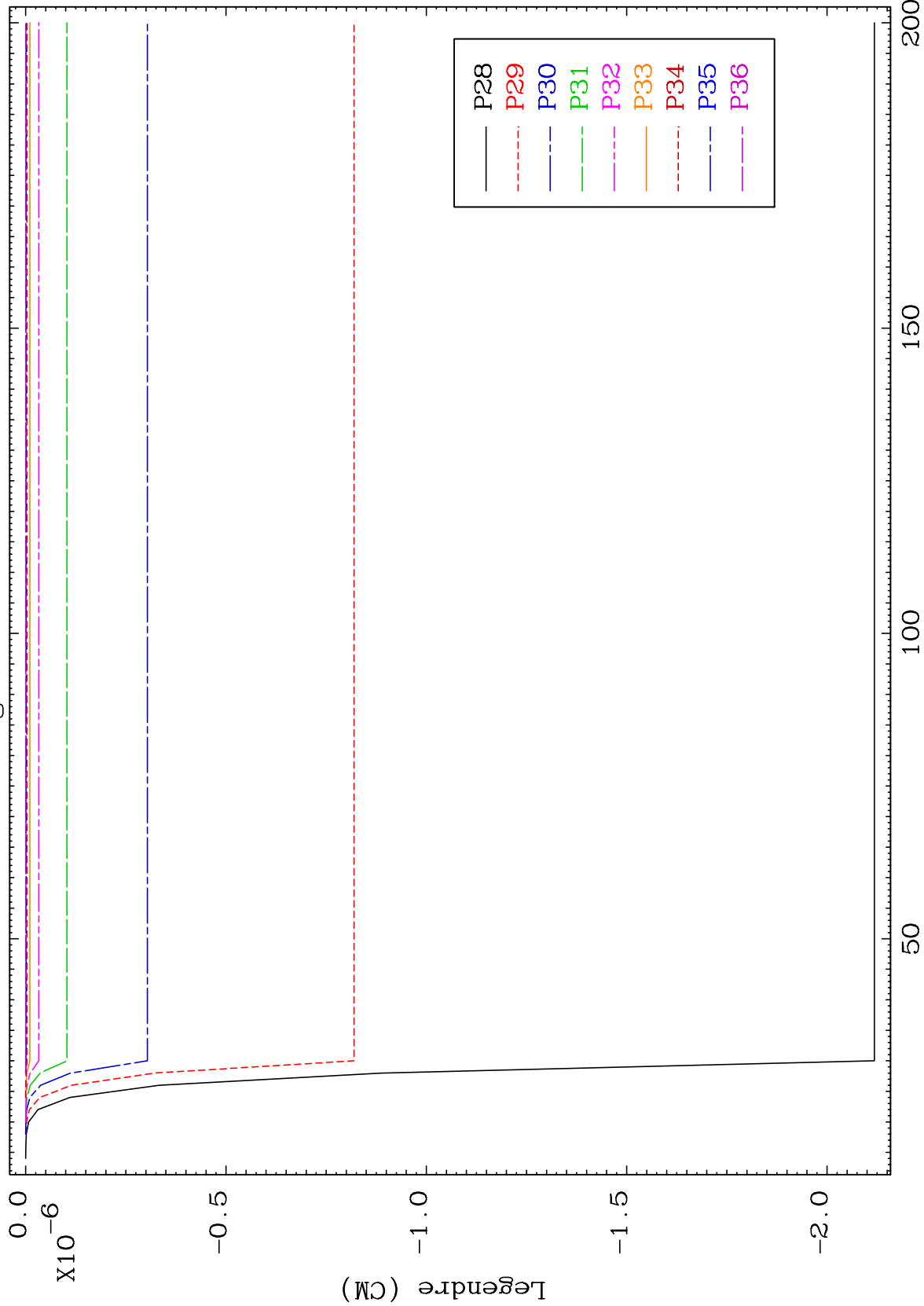
61-Pm-147



MAT 6149

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

61-Pm-147



61-Pm-147

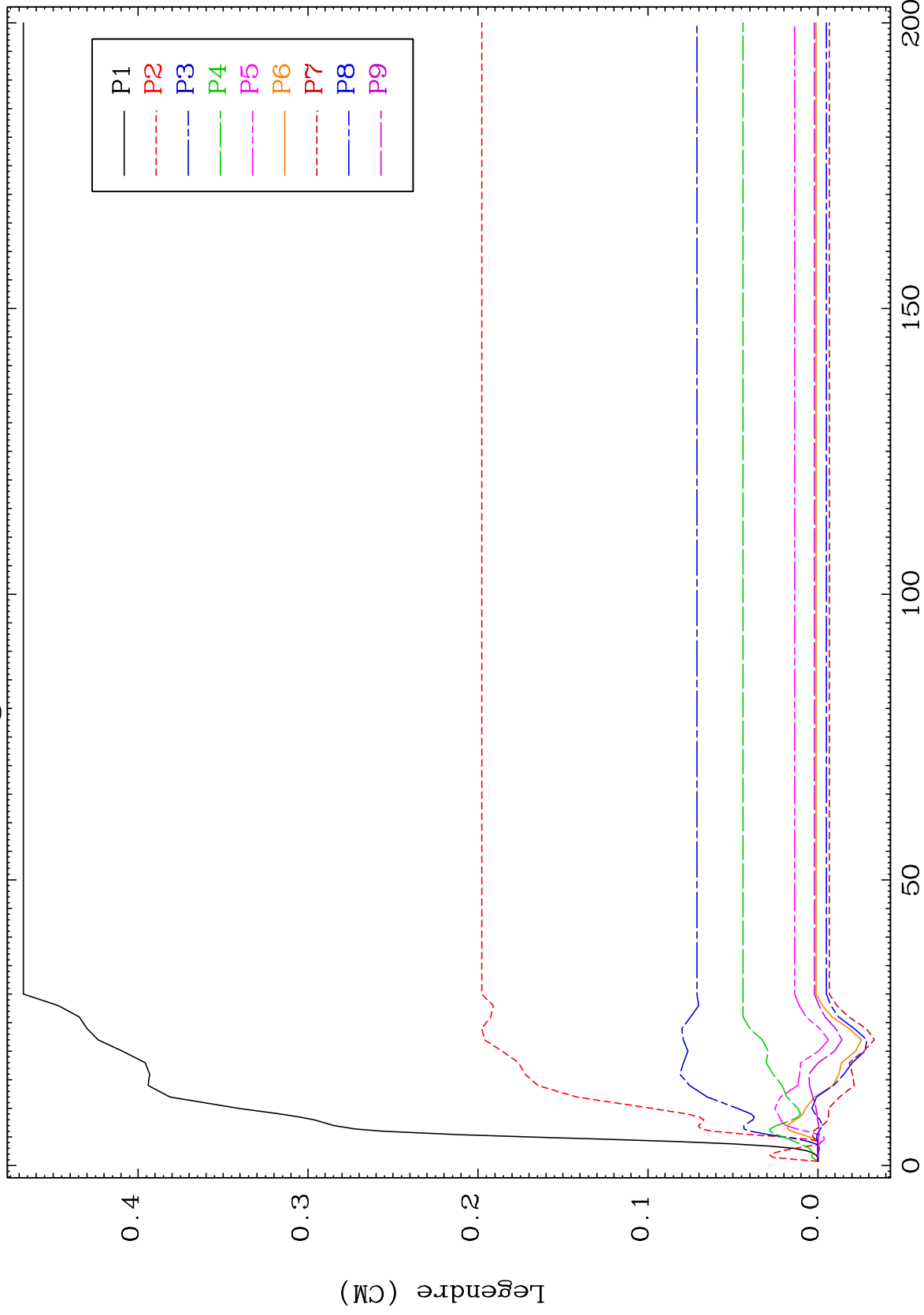
Incident Energy (MeV)

75

MAT 6149

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

61-Pm-147



76

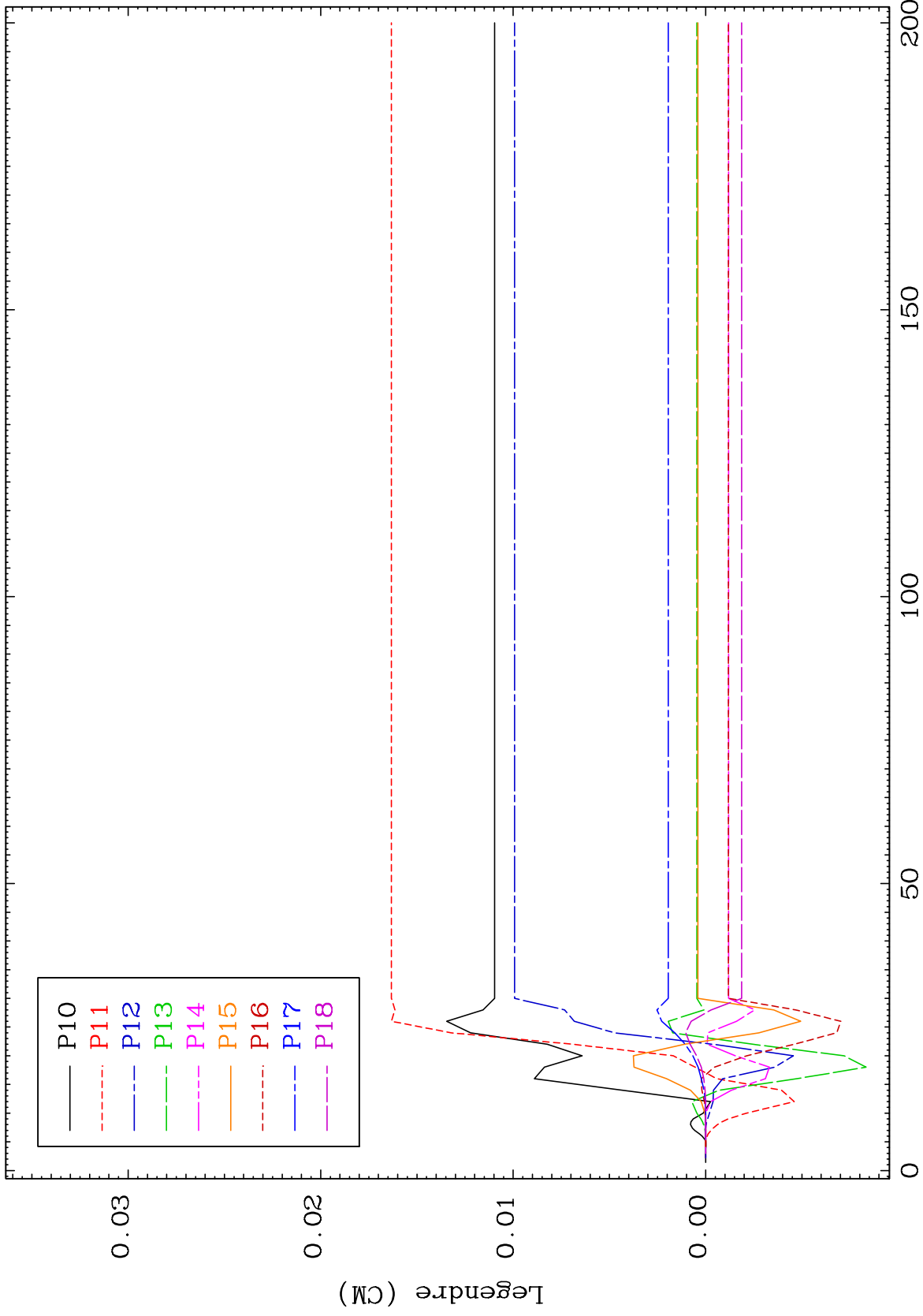
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



77

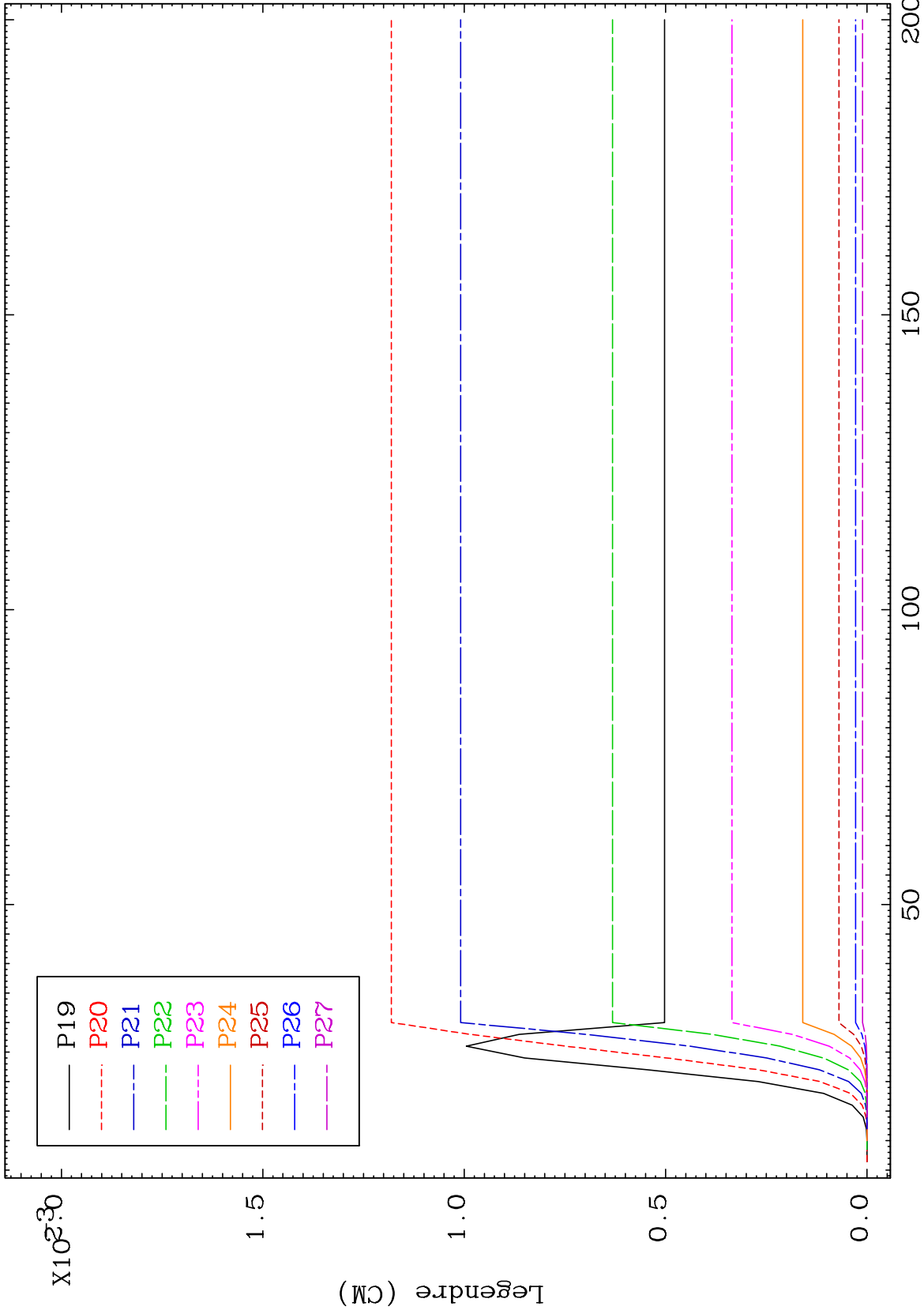
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



78

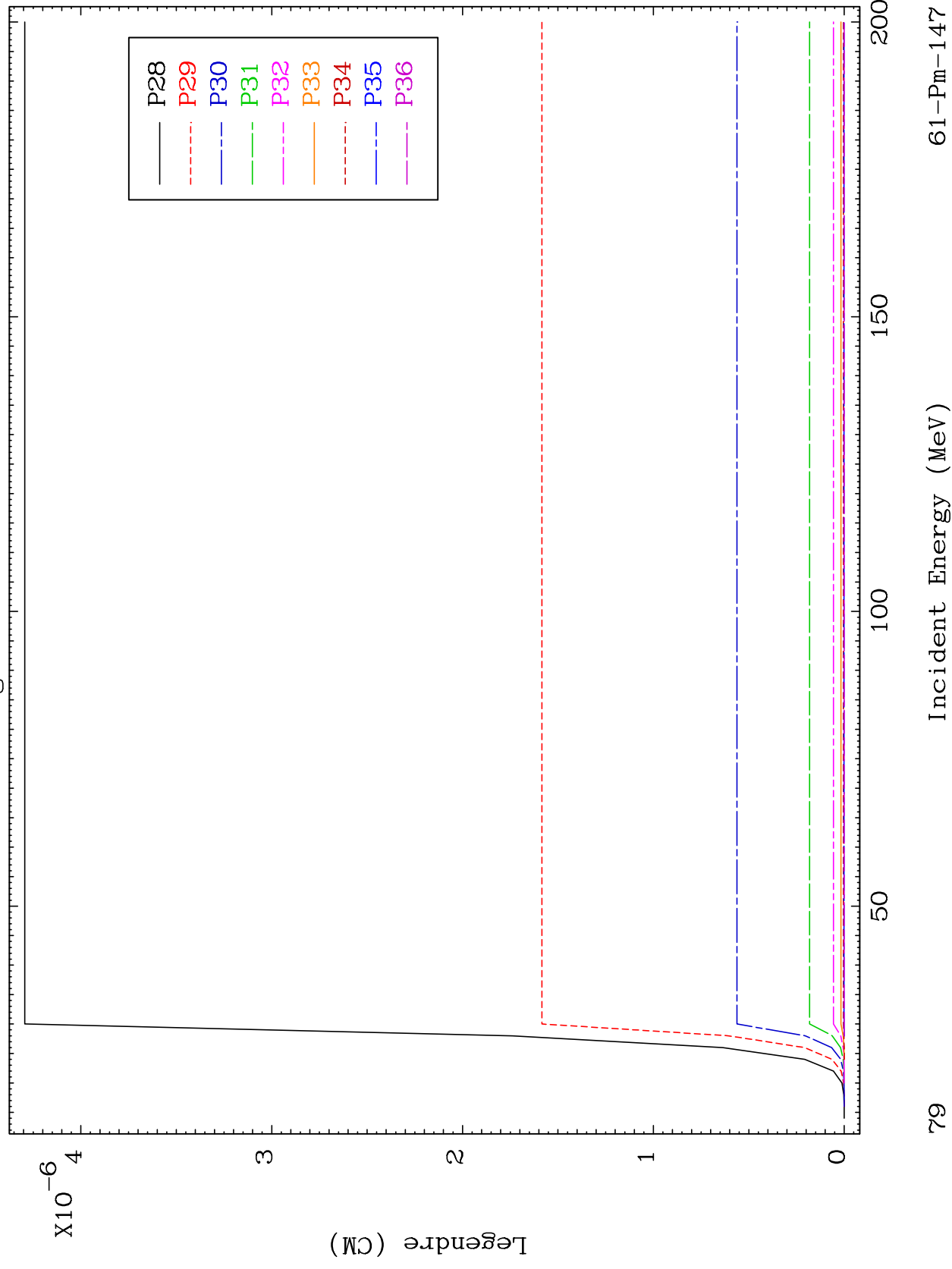
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



79

Incident Energy (MeV)

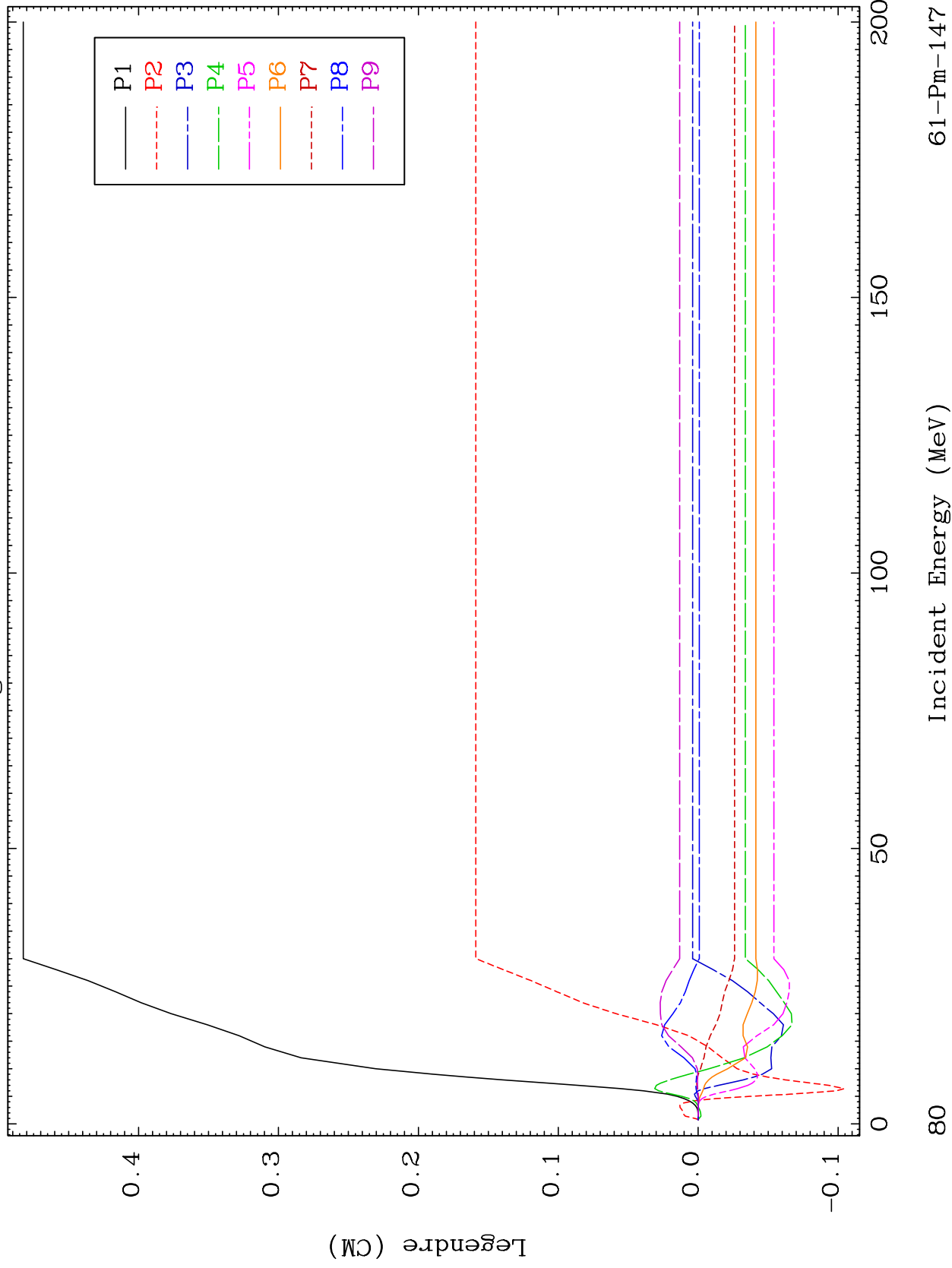
61-Pm-147



MAT 6149

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

61-Pm-147



61-Pm-147

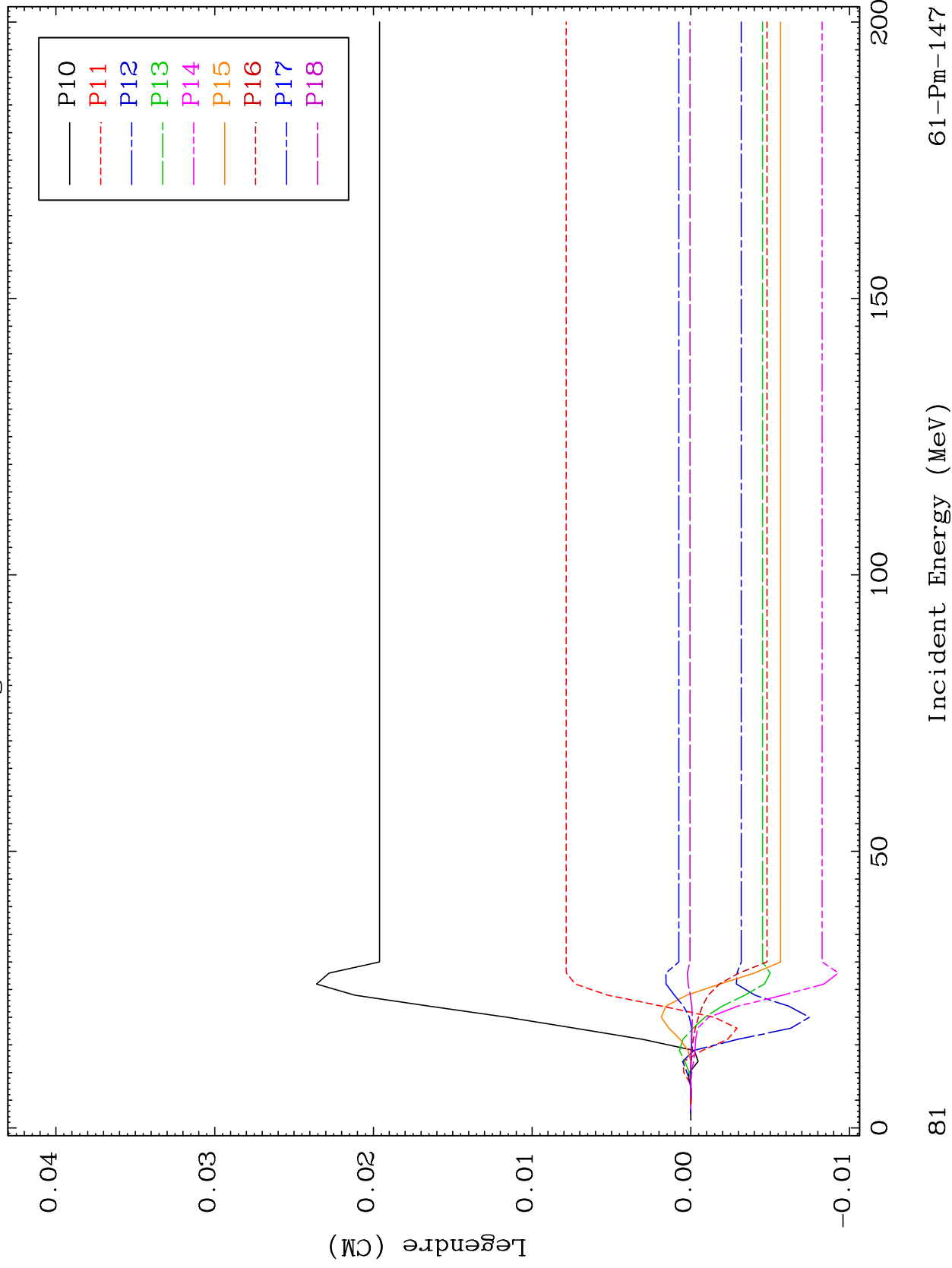
Incident Energy (MeV)

80

MAT 6149

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

61-Pm-147



61-Pm-147

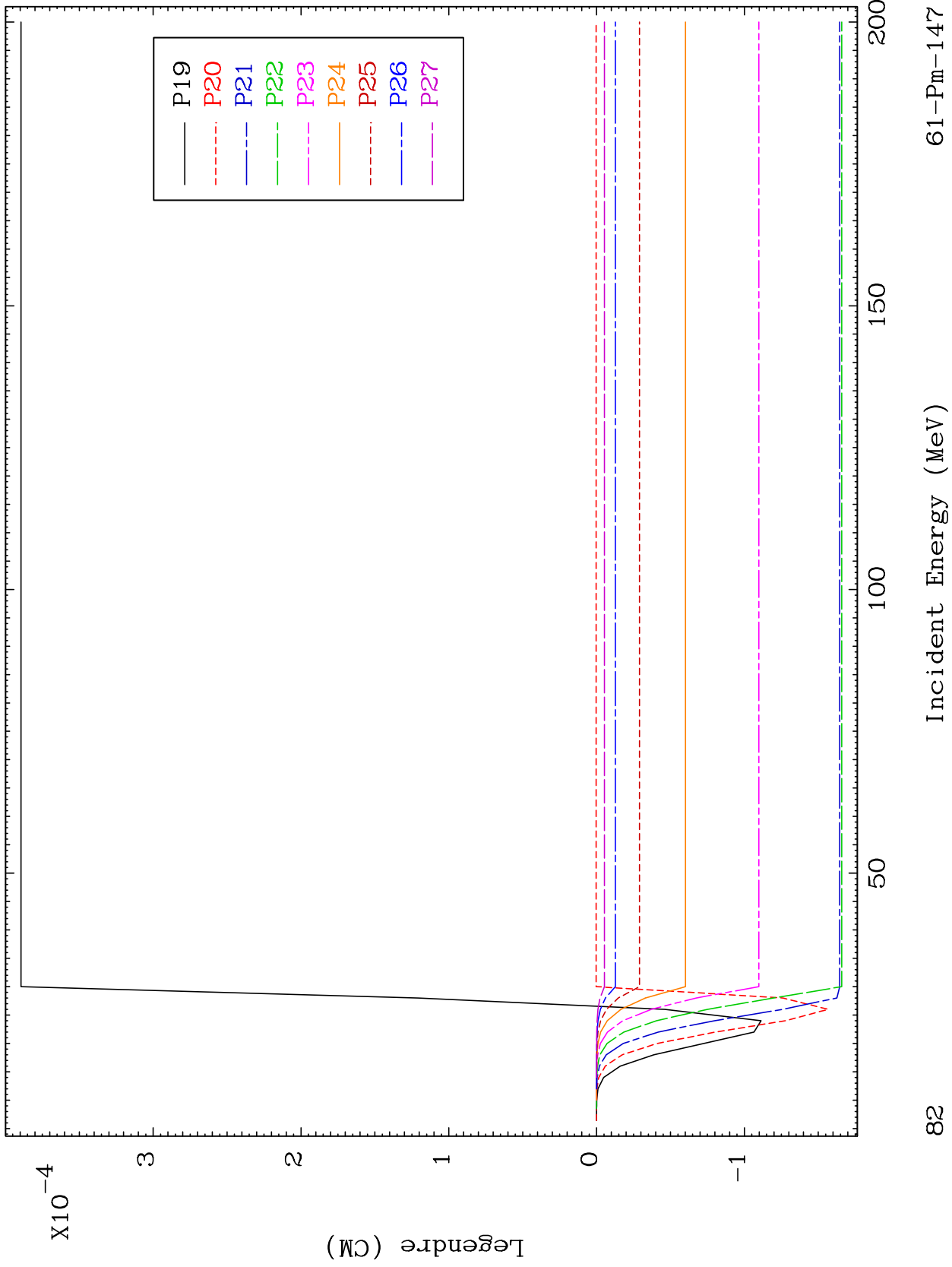
Incident Energy (MeV)

81

MAT 6149

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

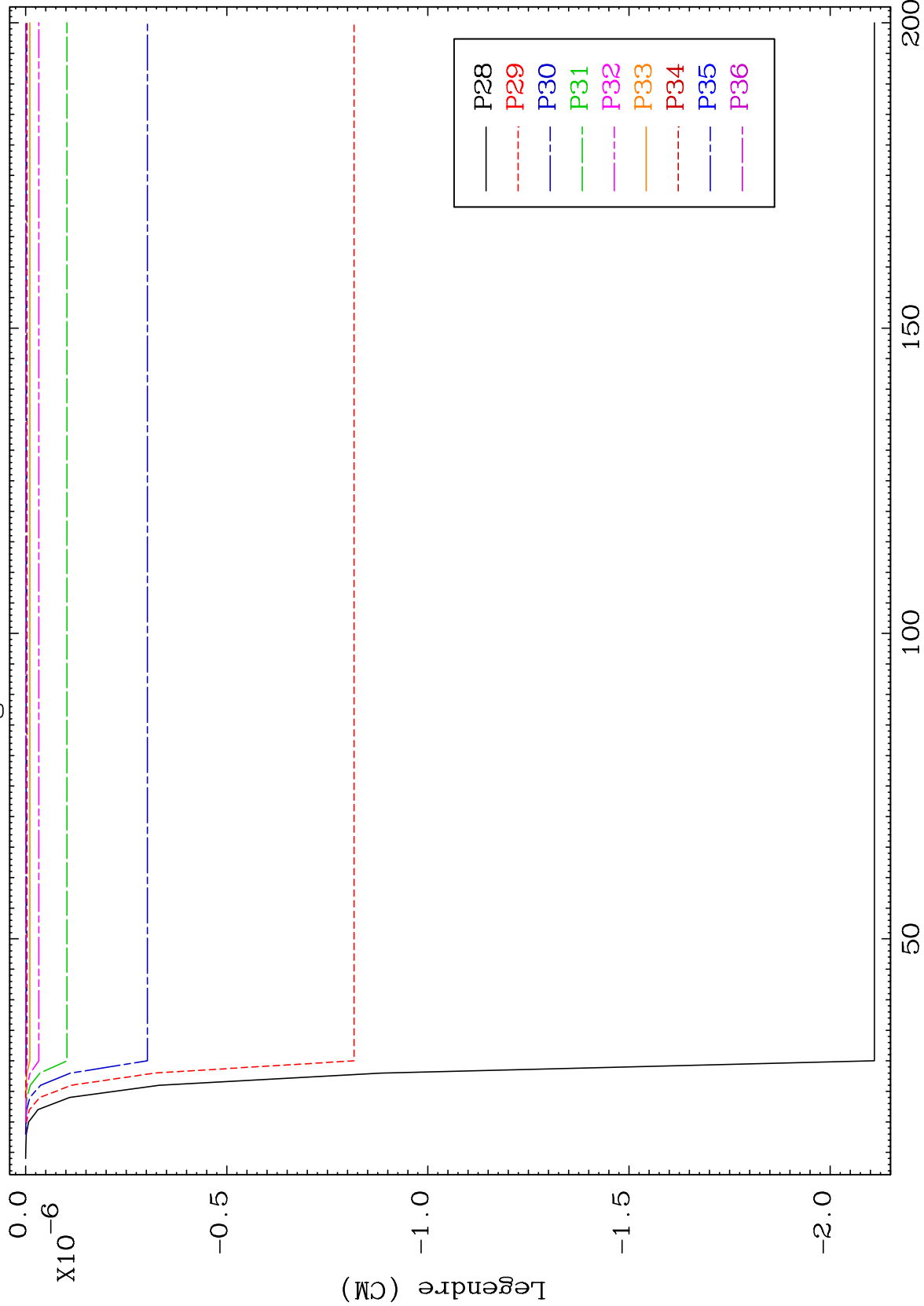
61-Pm-147



MAT 6149

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

61-Pm-147



61-Pm-147

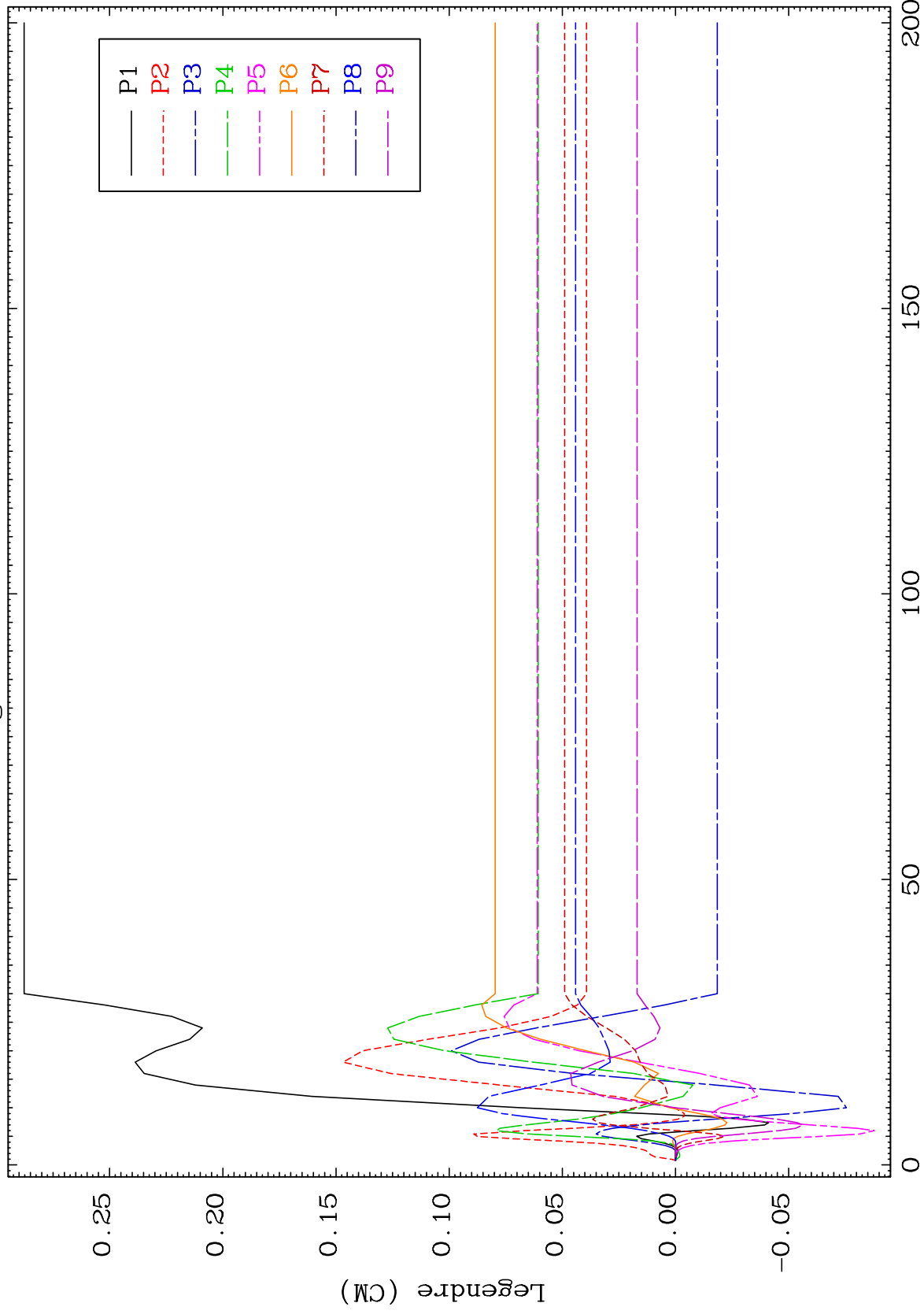
Incident Energy (MeV)

83

MAT 6149

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

61-Pm-147



84

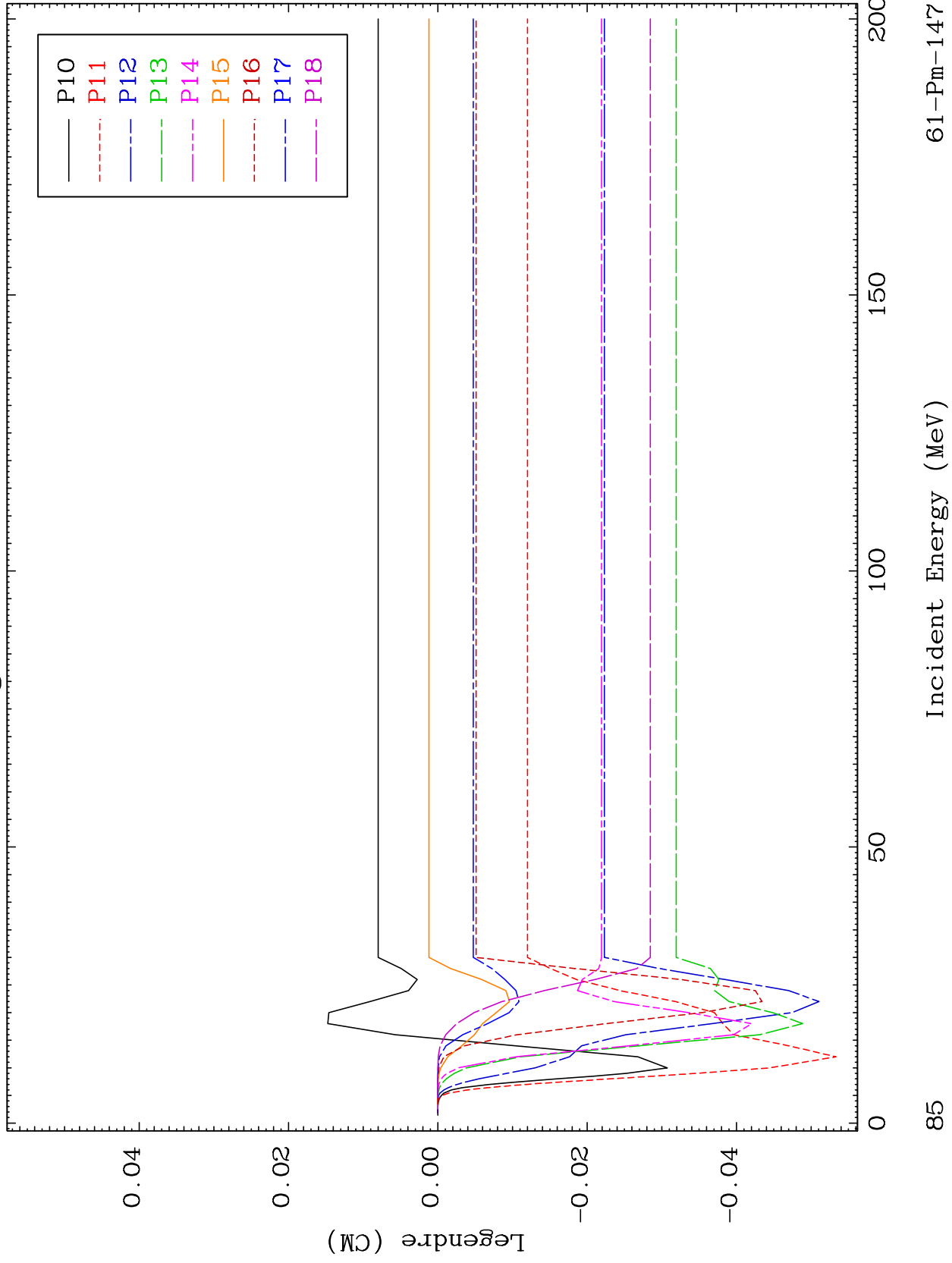
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

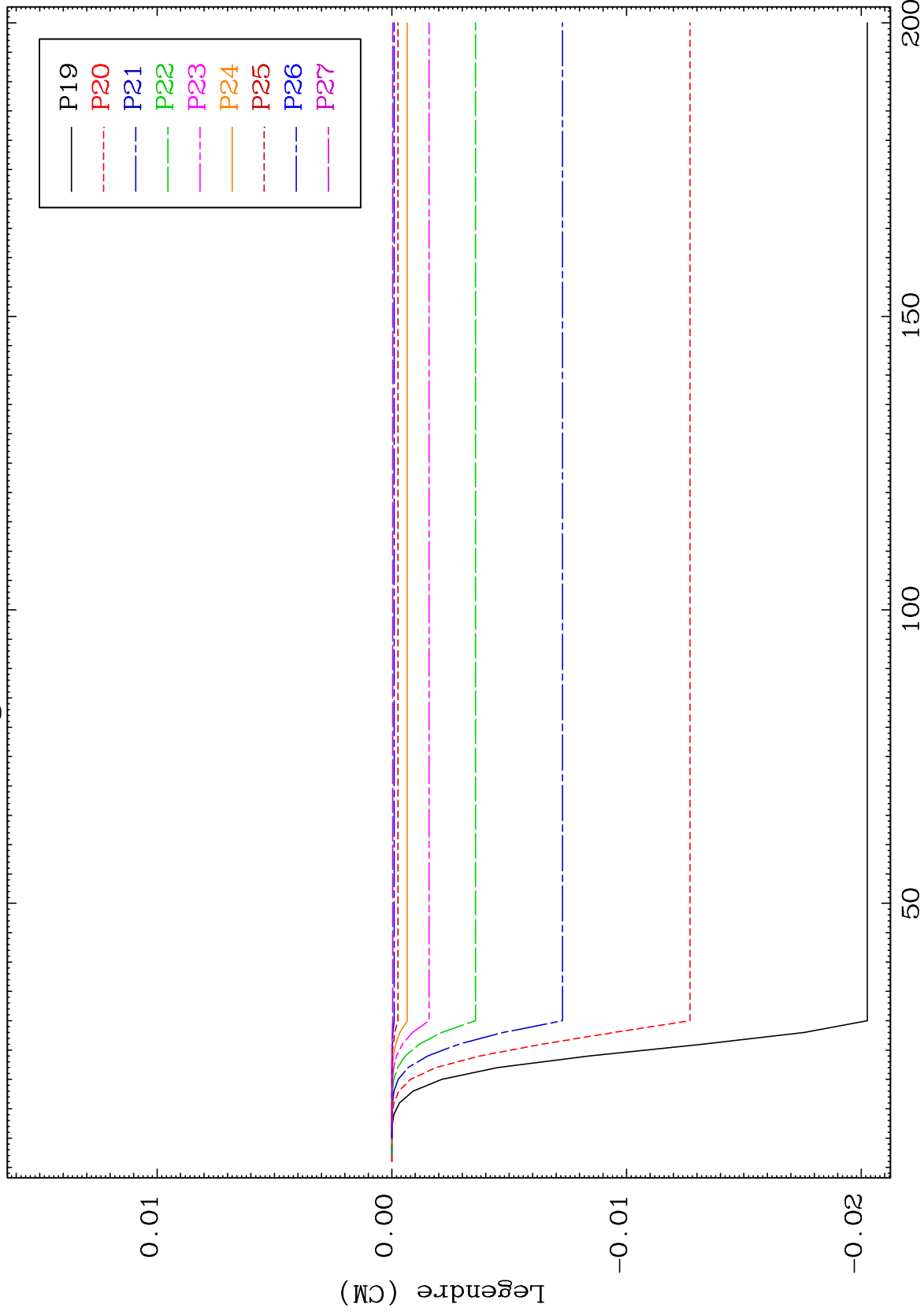
61-Pm-147

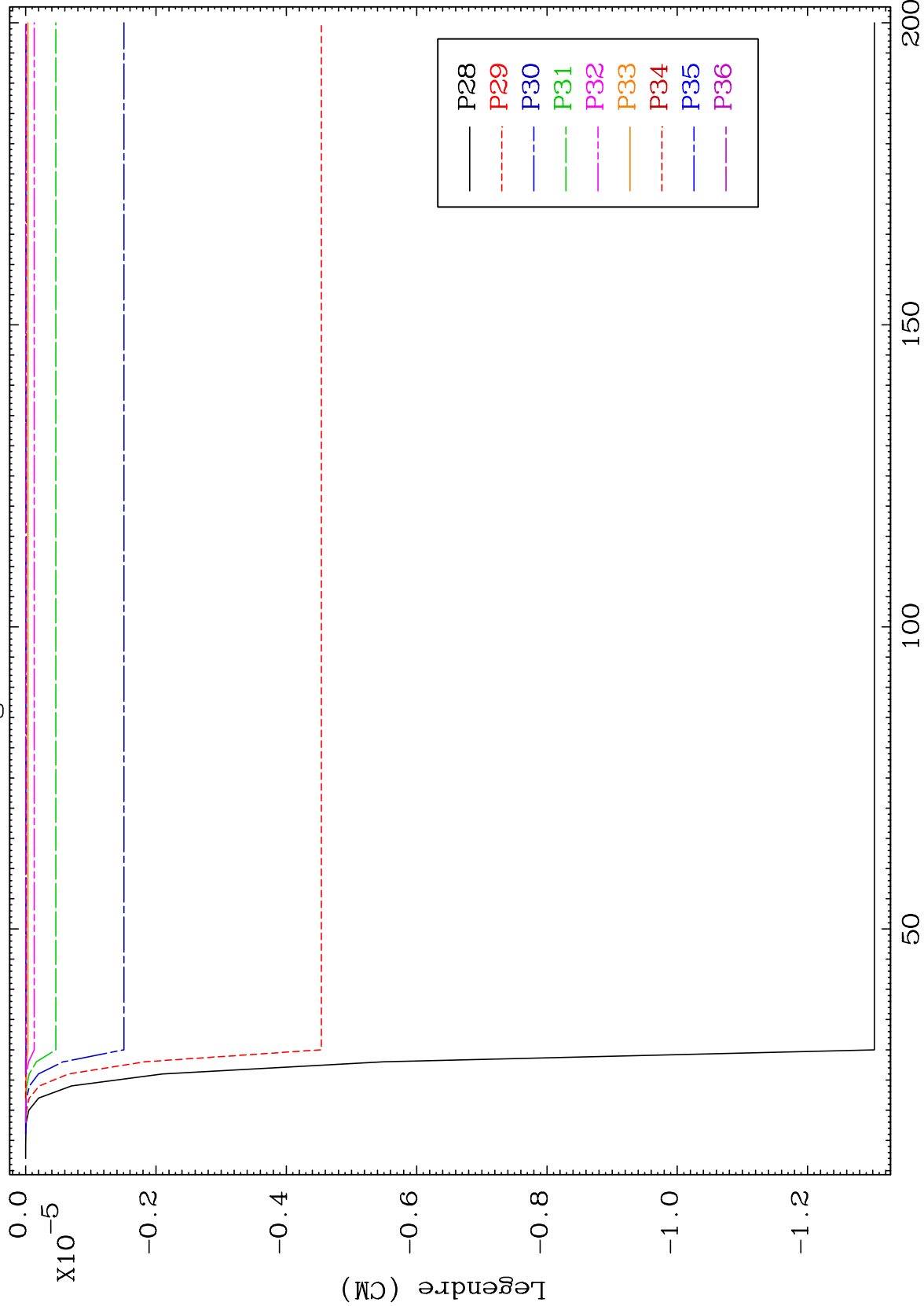


61-Pm-147

Incident Energy (MeV)

85



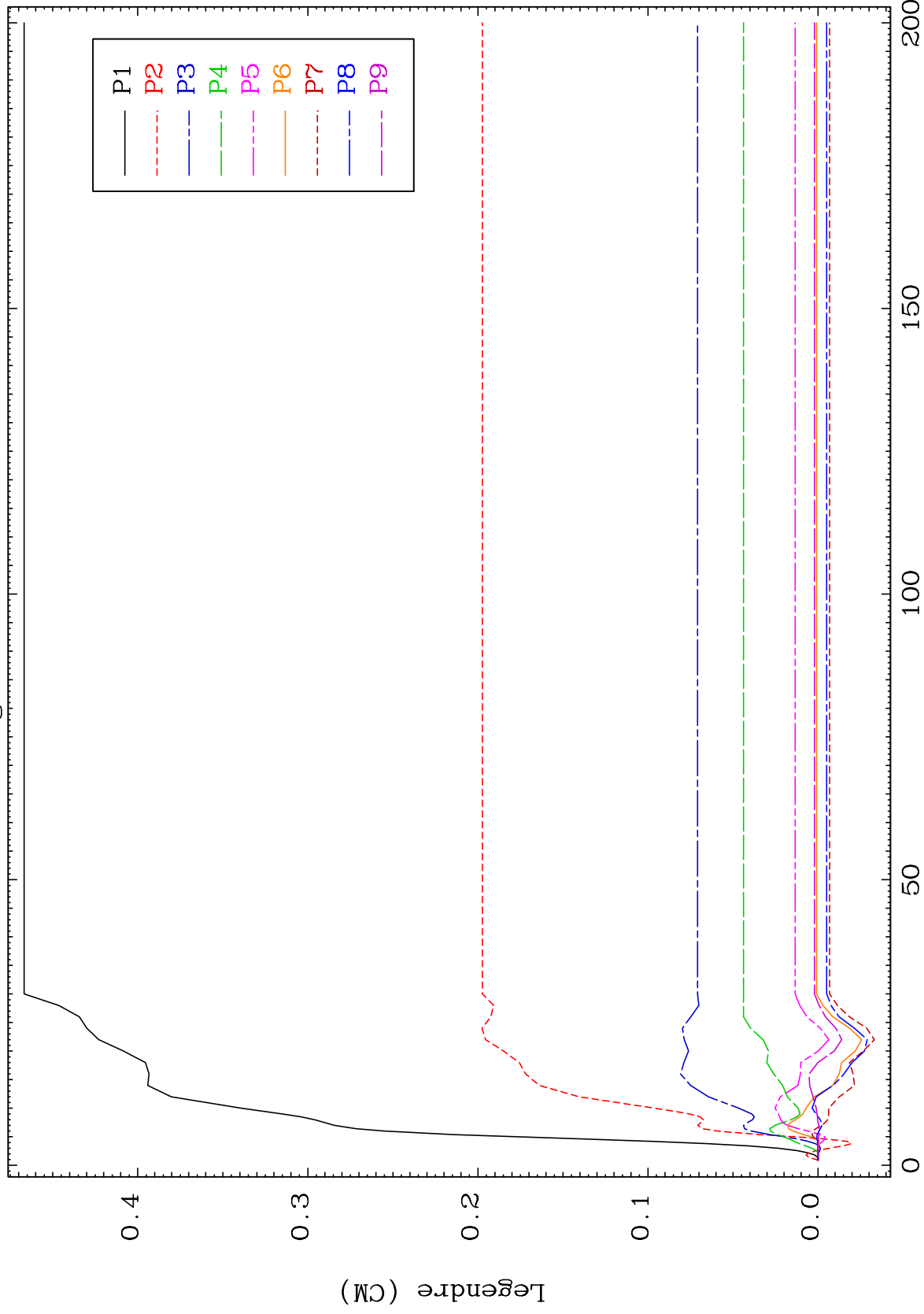




MAT 6149

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

61-Pm-147



88

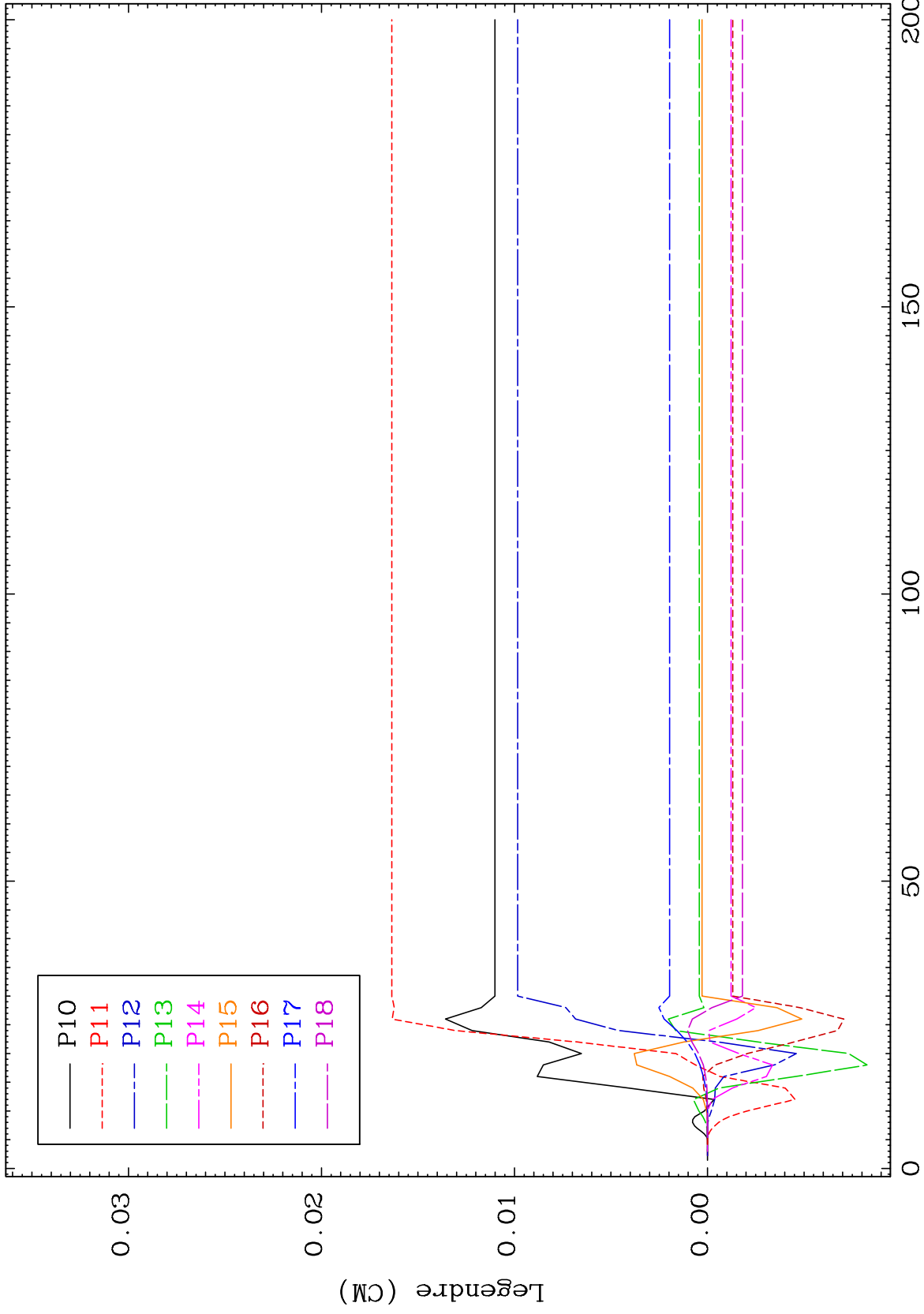
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



89

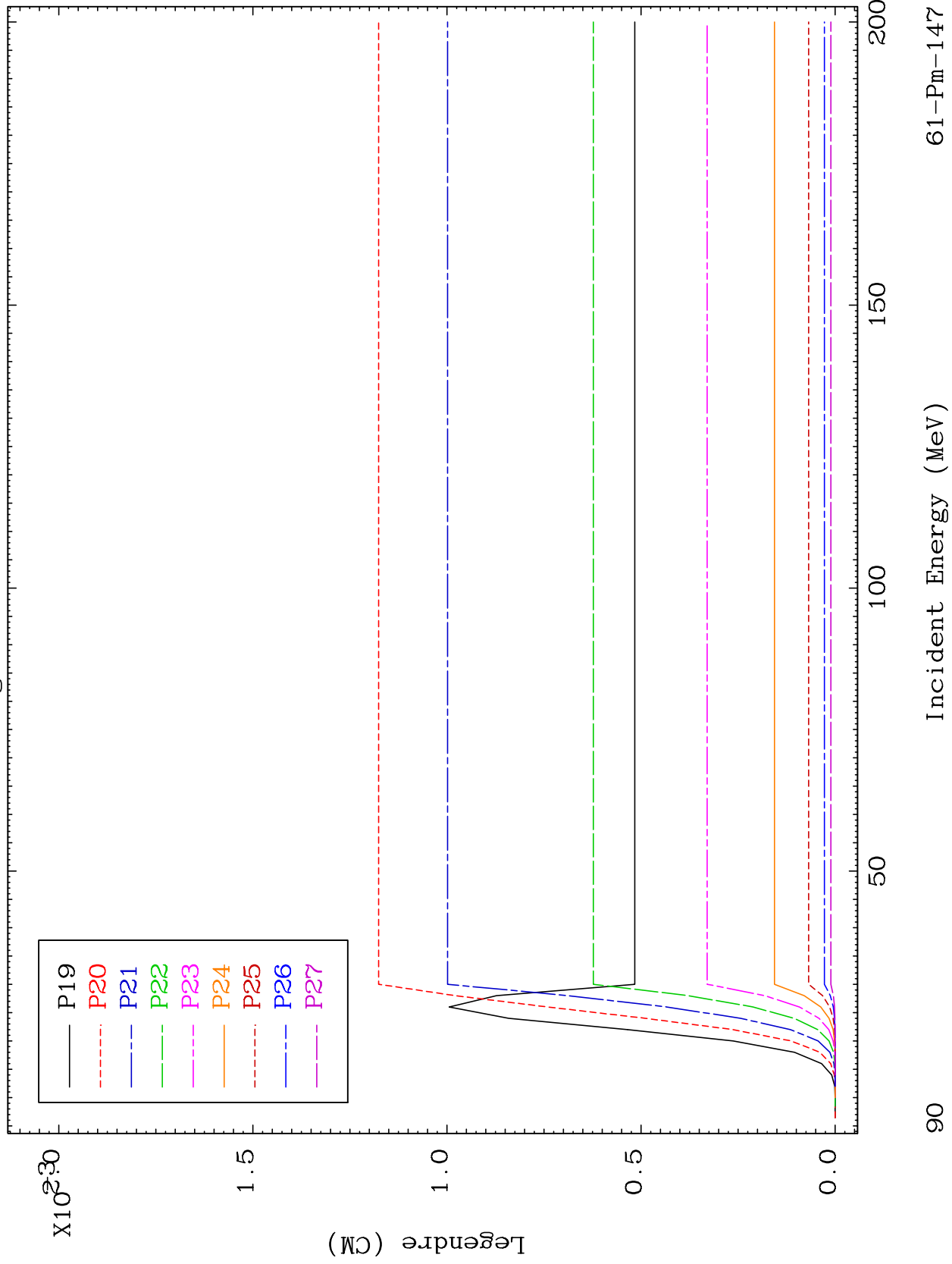
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



61-Pm-147

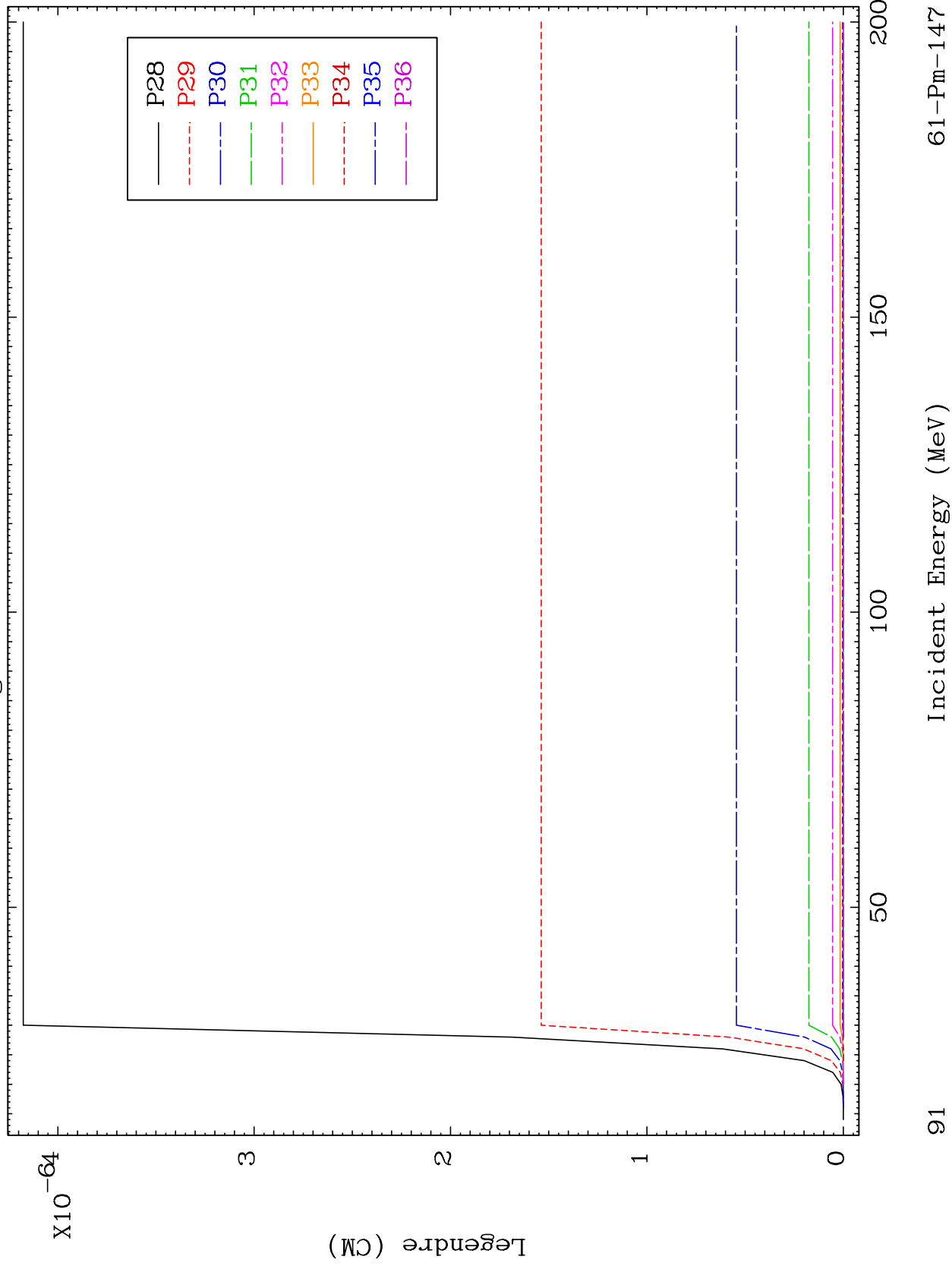
Incident Energy (MeV)

90

MAT 6149

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

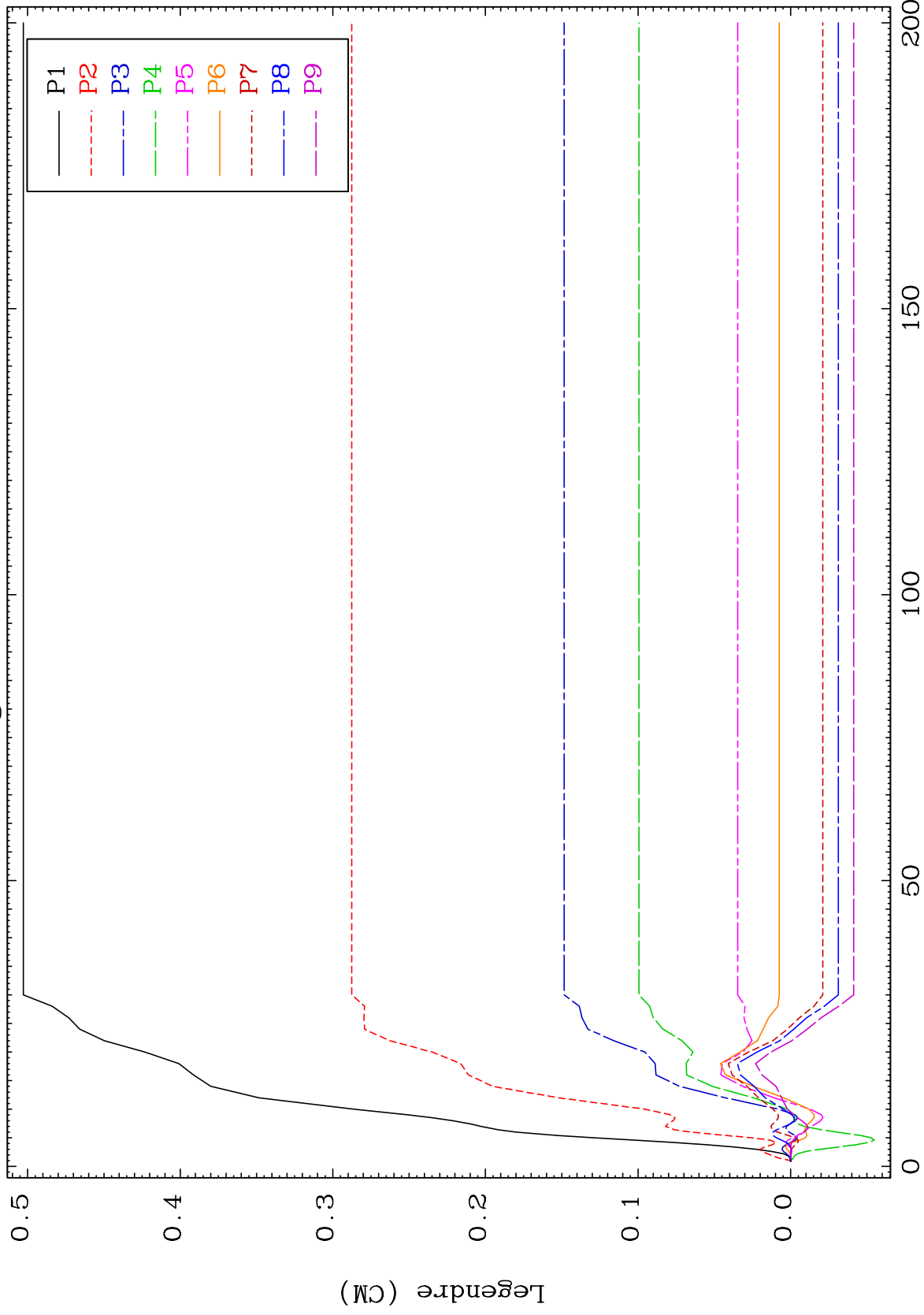
61-Pm-147



MAT 6149

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

61-Pm-147



92

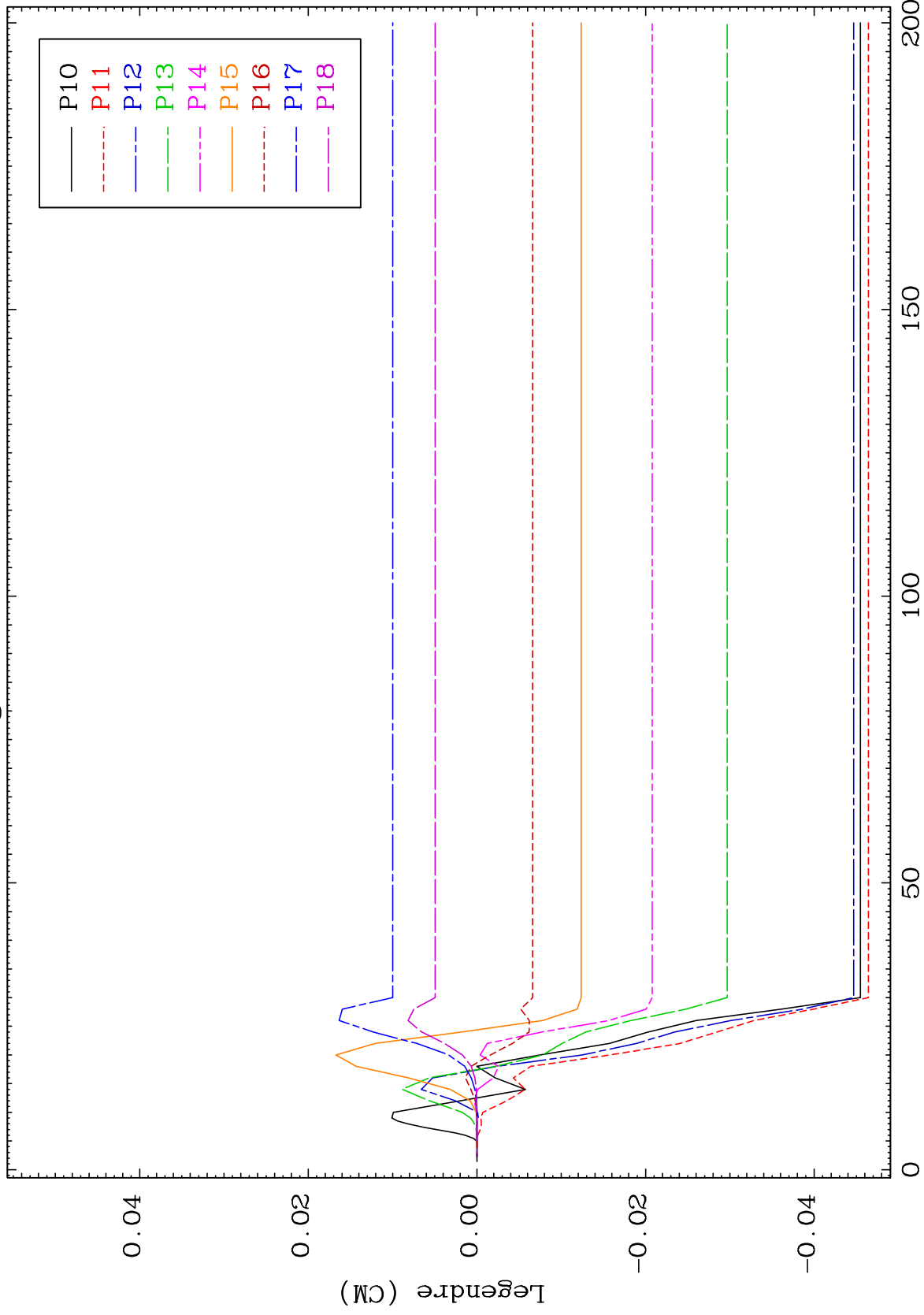
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



93

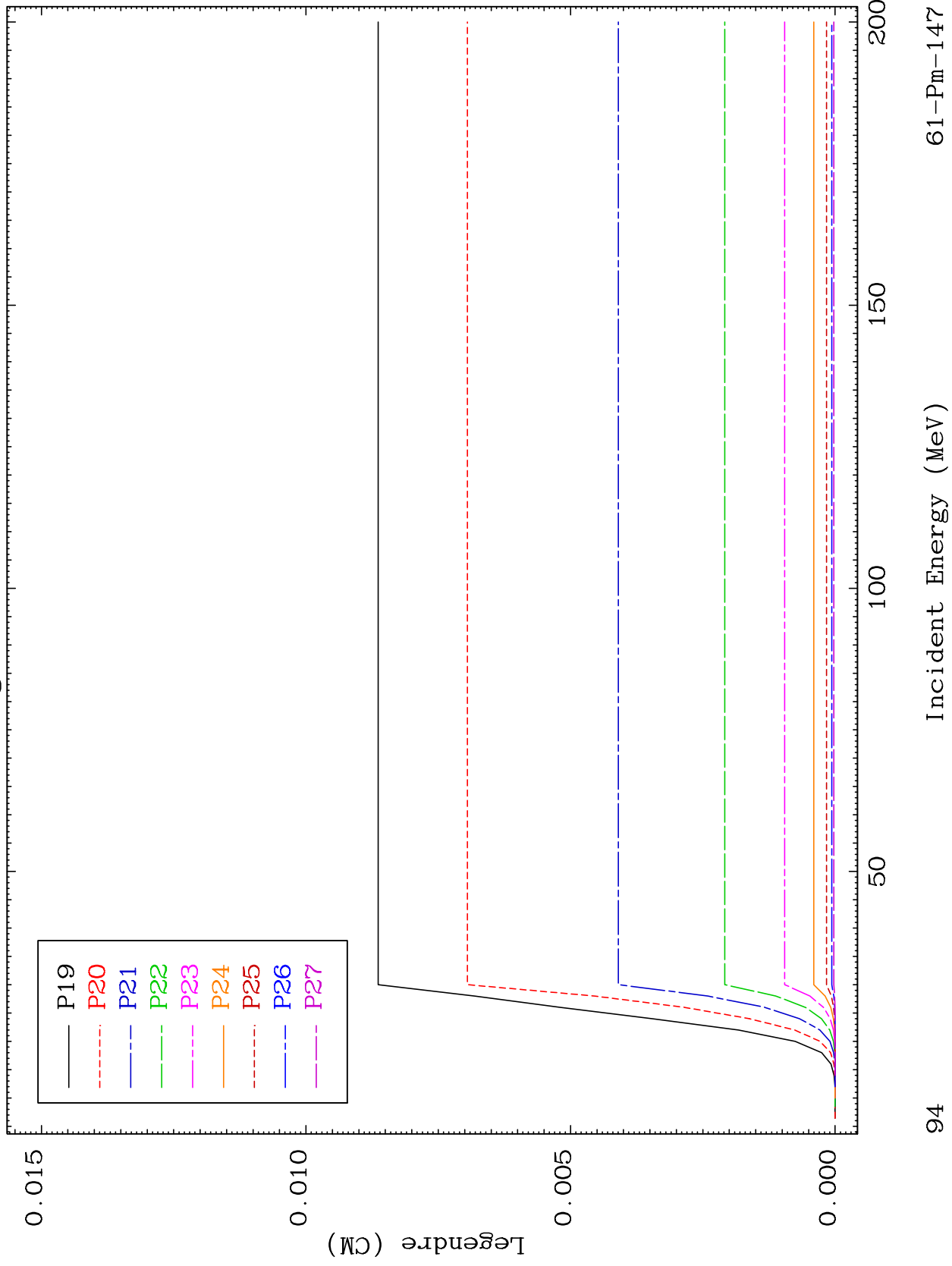
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



94

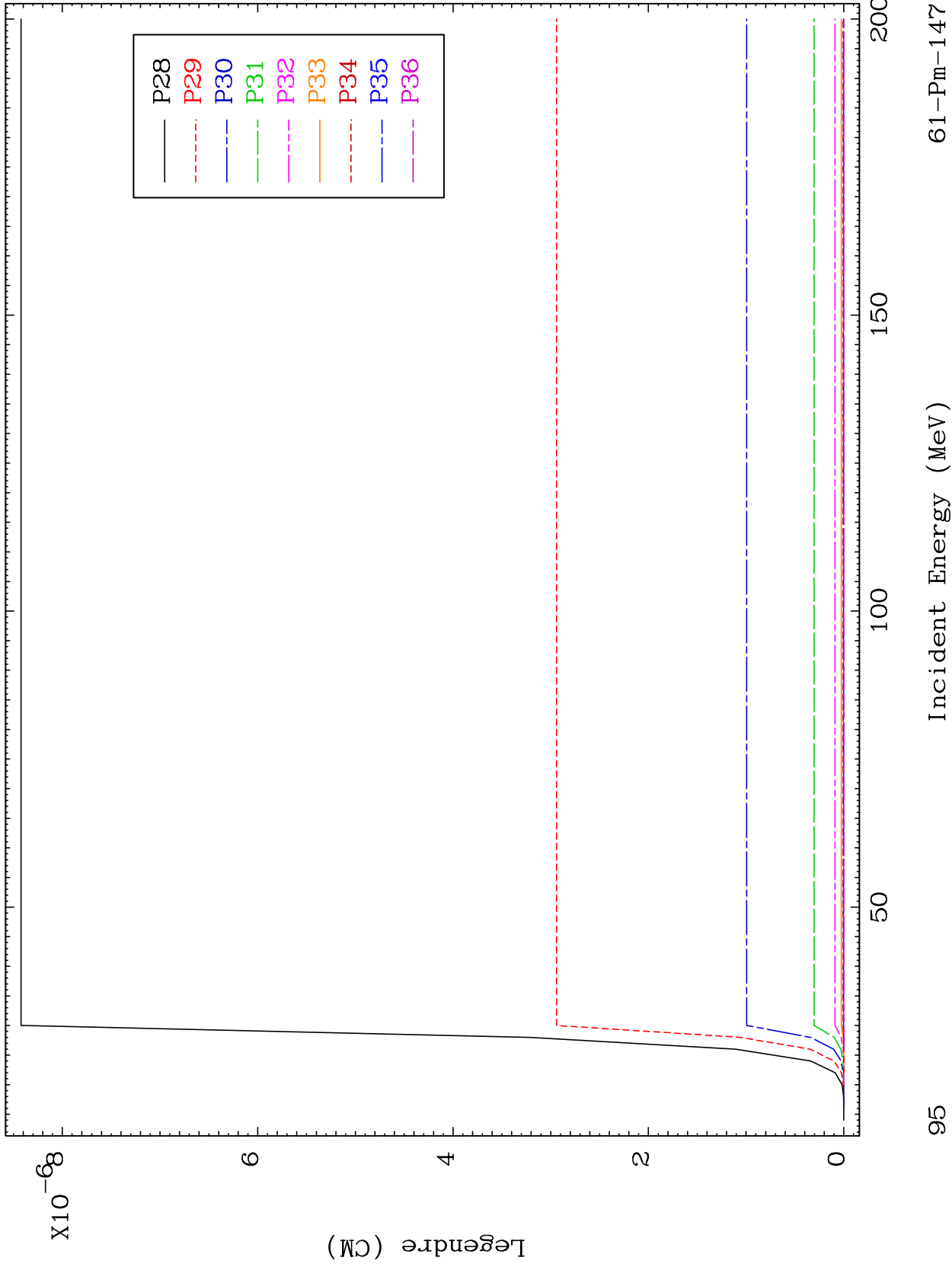
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



95

Incident Energy (MeV)

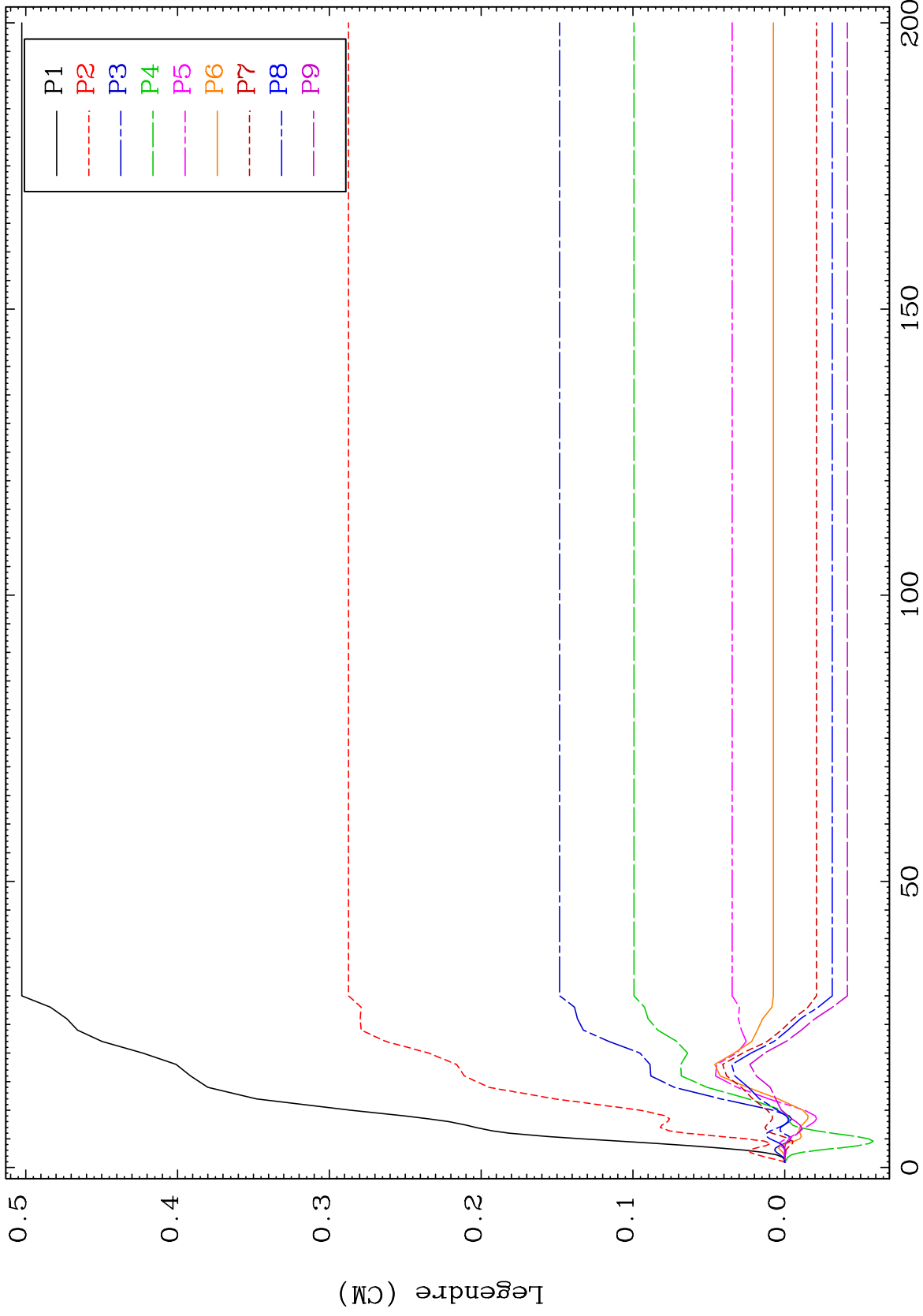
61-Pm-147



MAT 6149

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

61-Pm-147



96

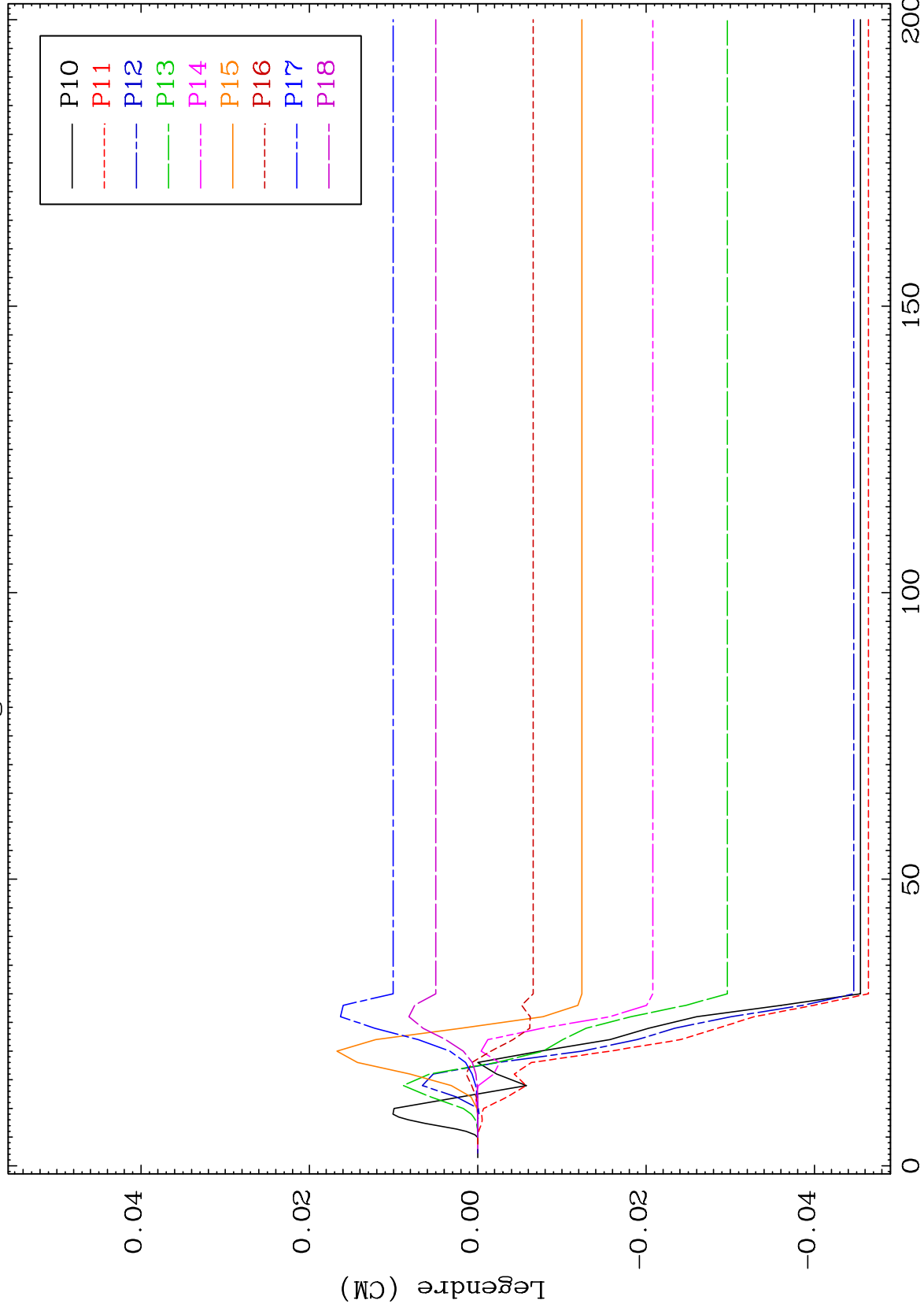
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

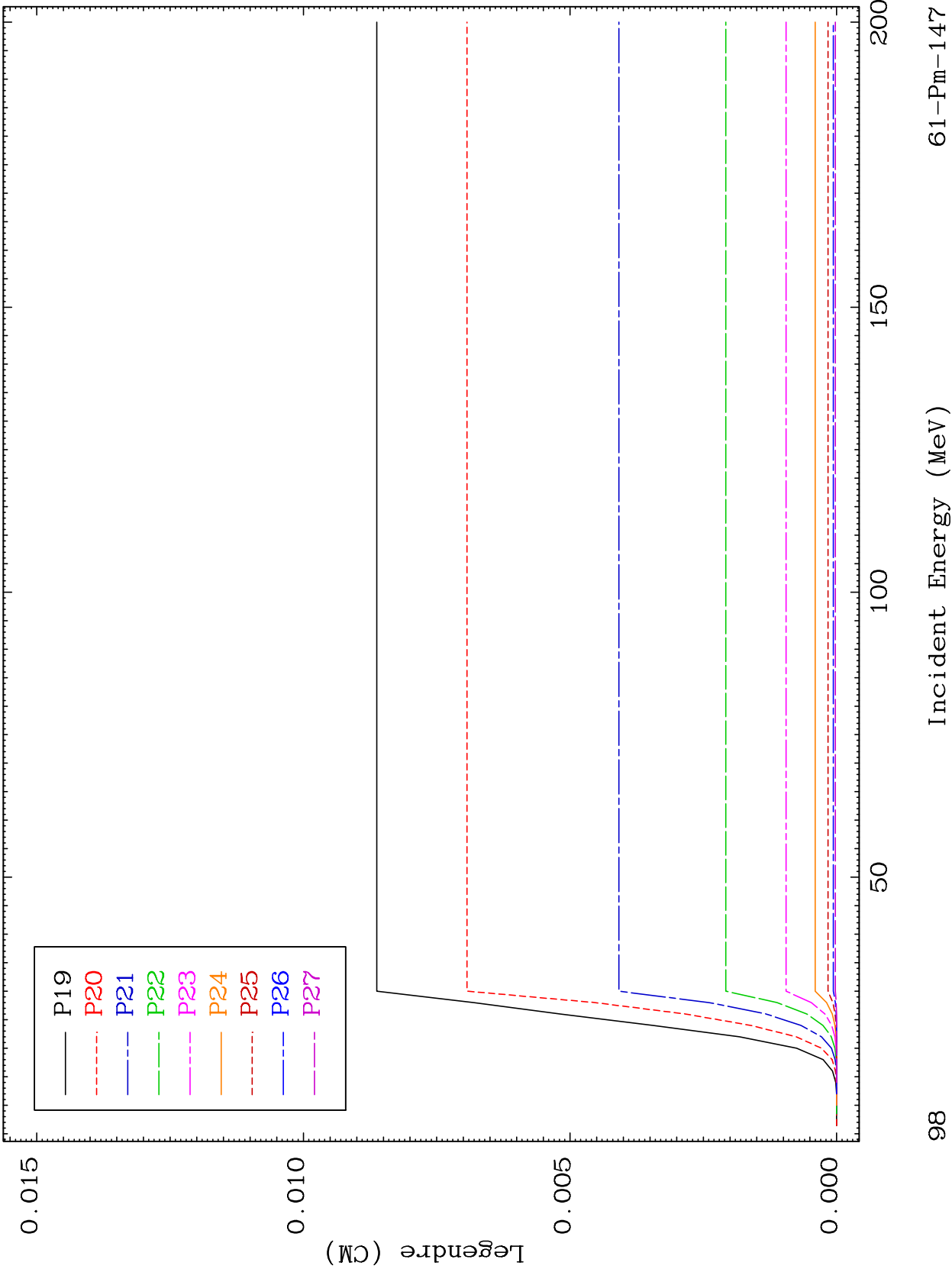
61-Pm-147



97

Incident Energy (MeV)

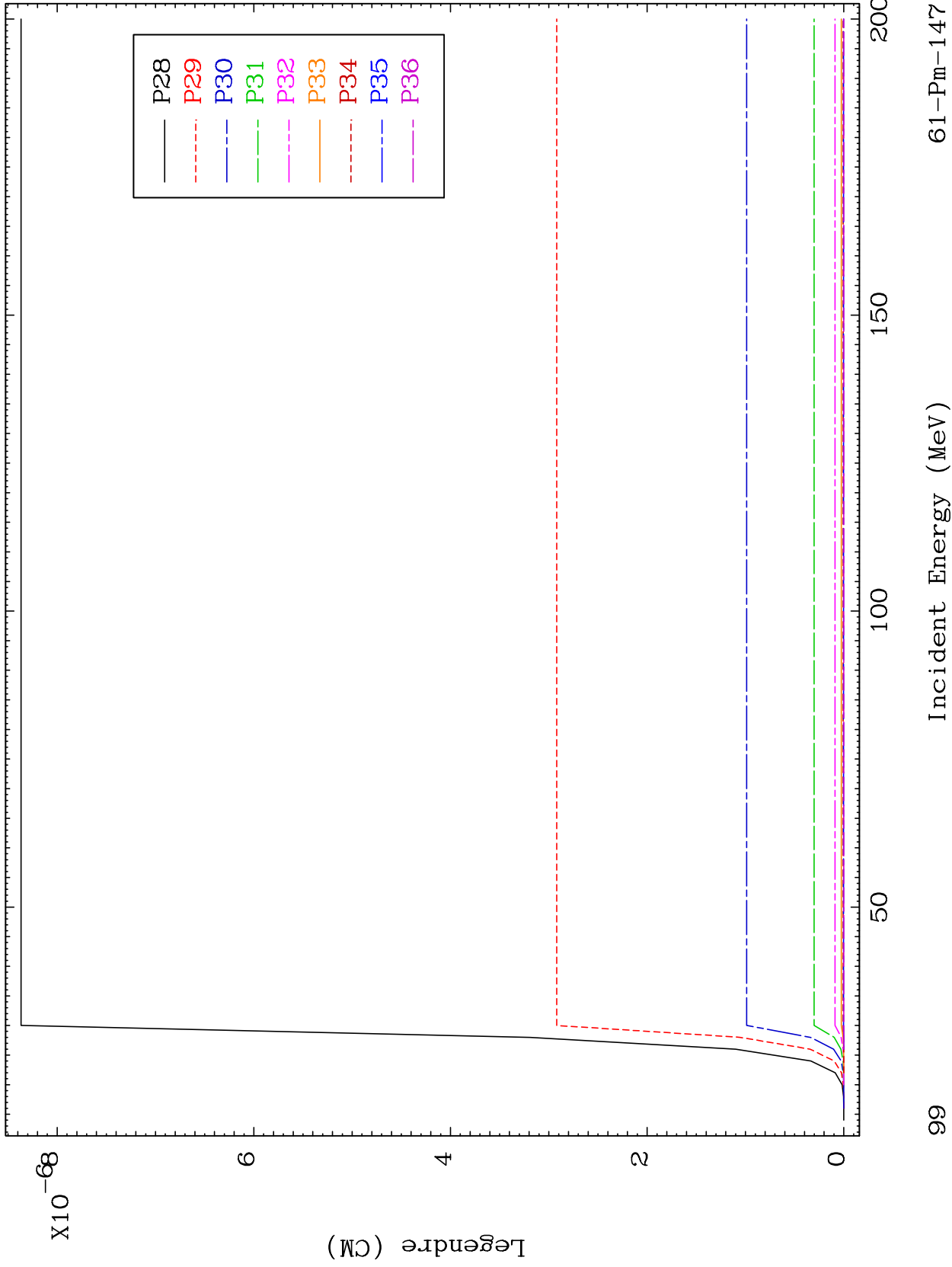
61-Pm-147



MAT 6149

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

61-Pm-147

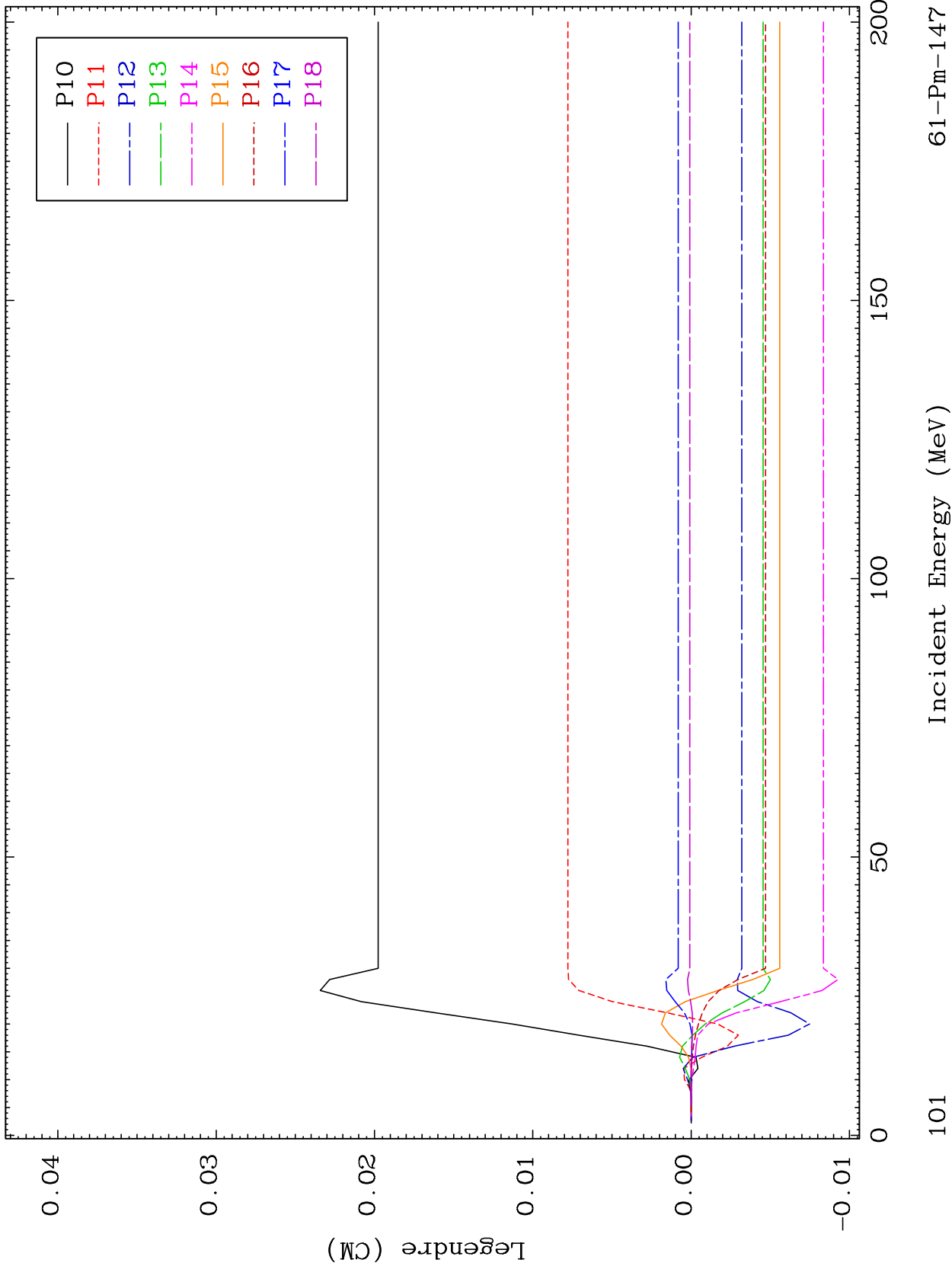




MAT 6149

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

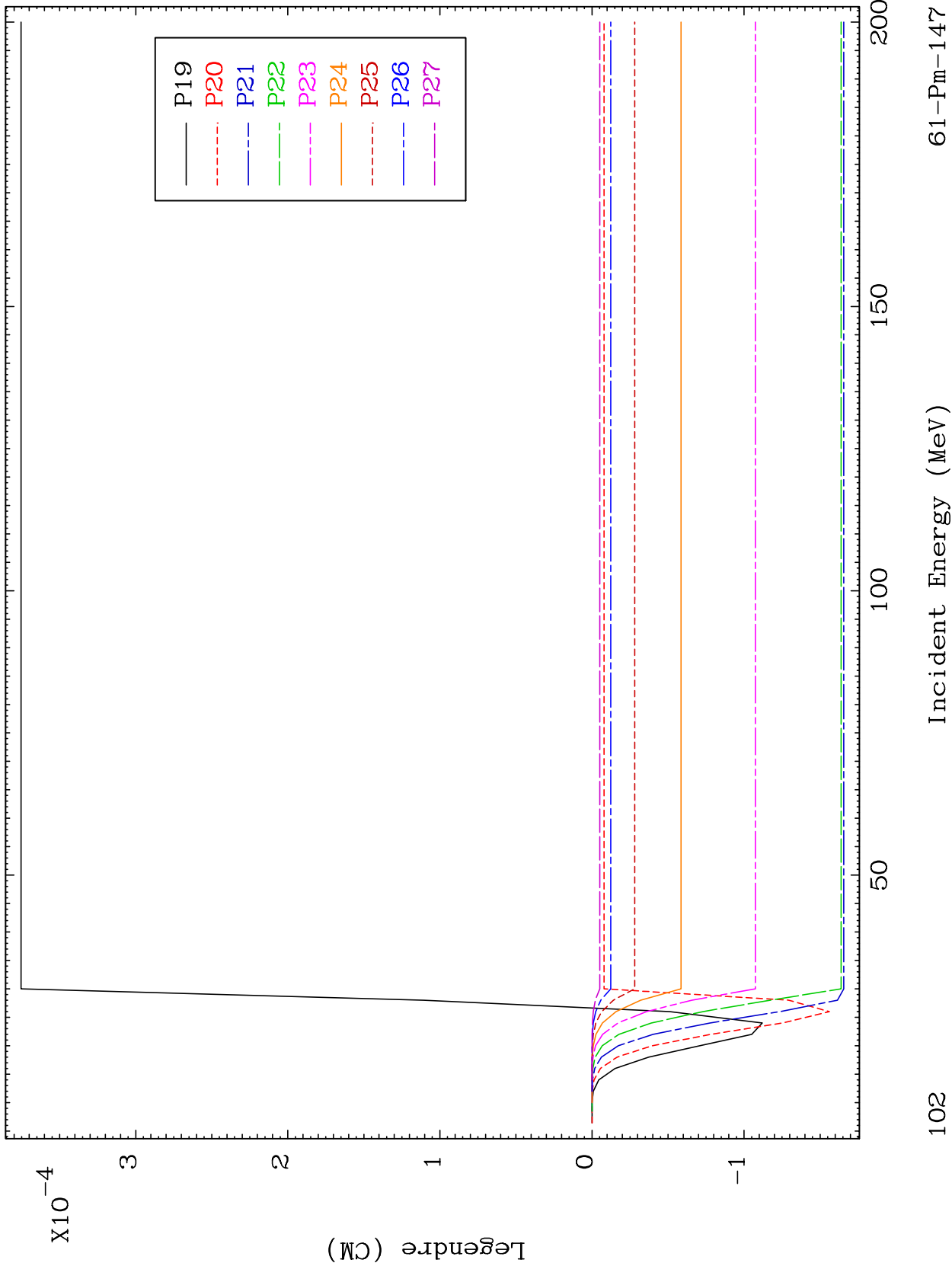
61-Pm-147

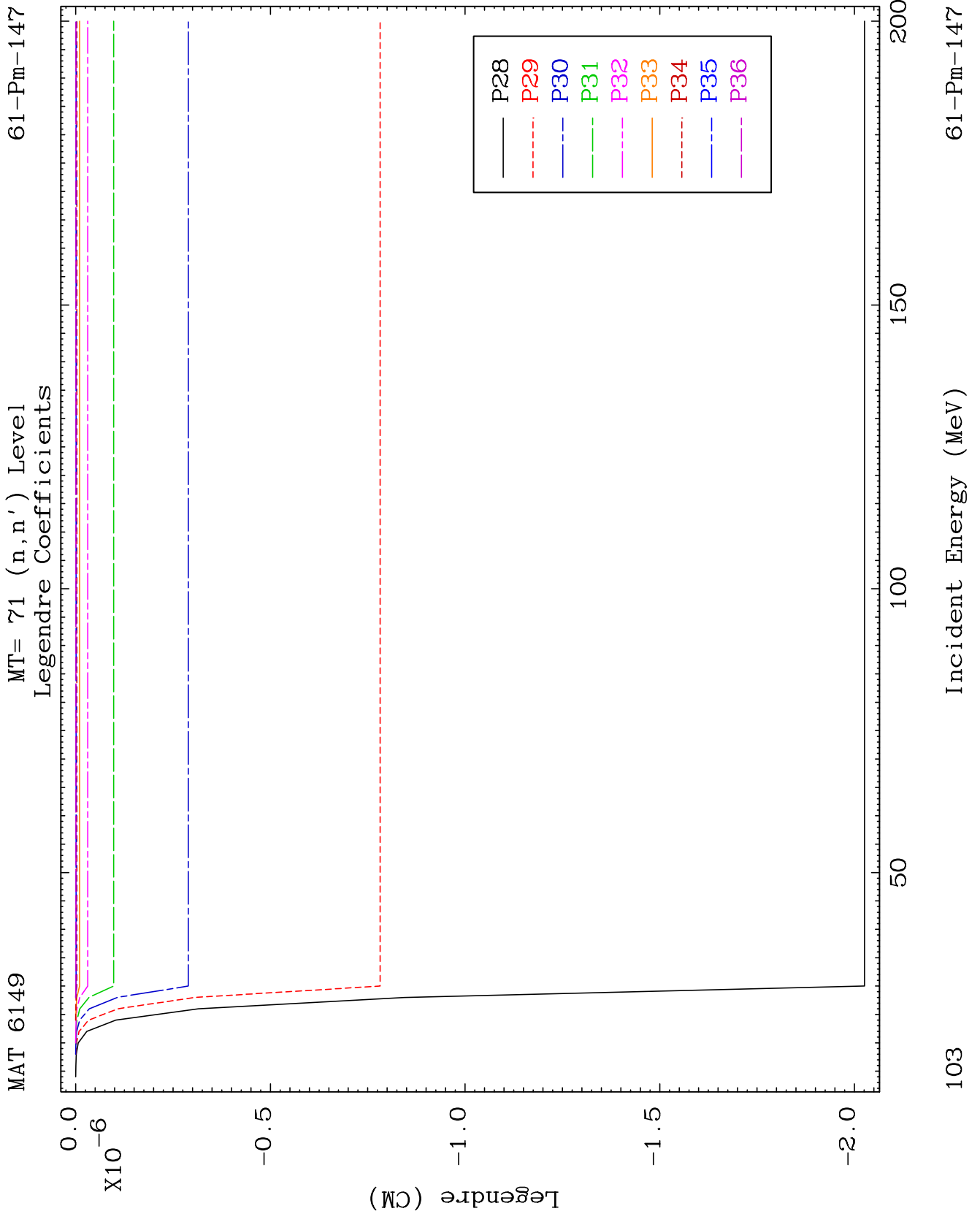


61-Pm-147

Incident Energy (MeV)

101



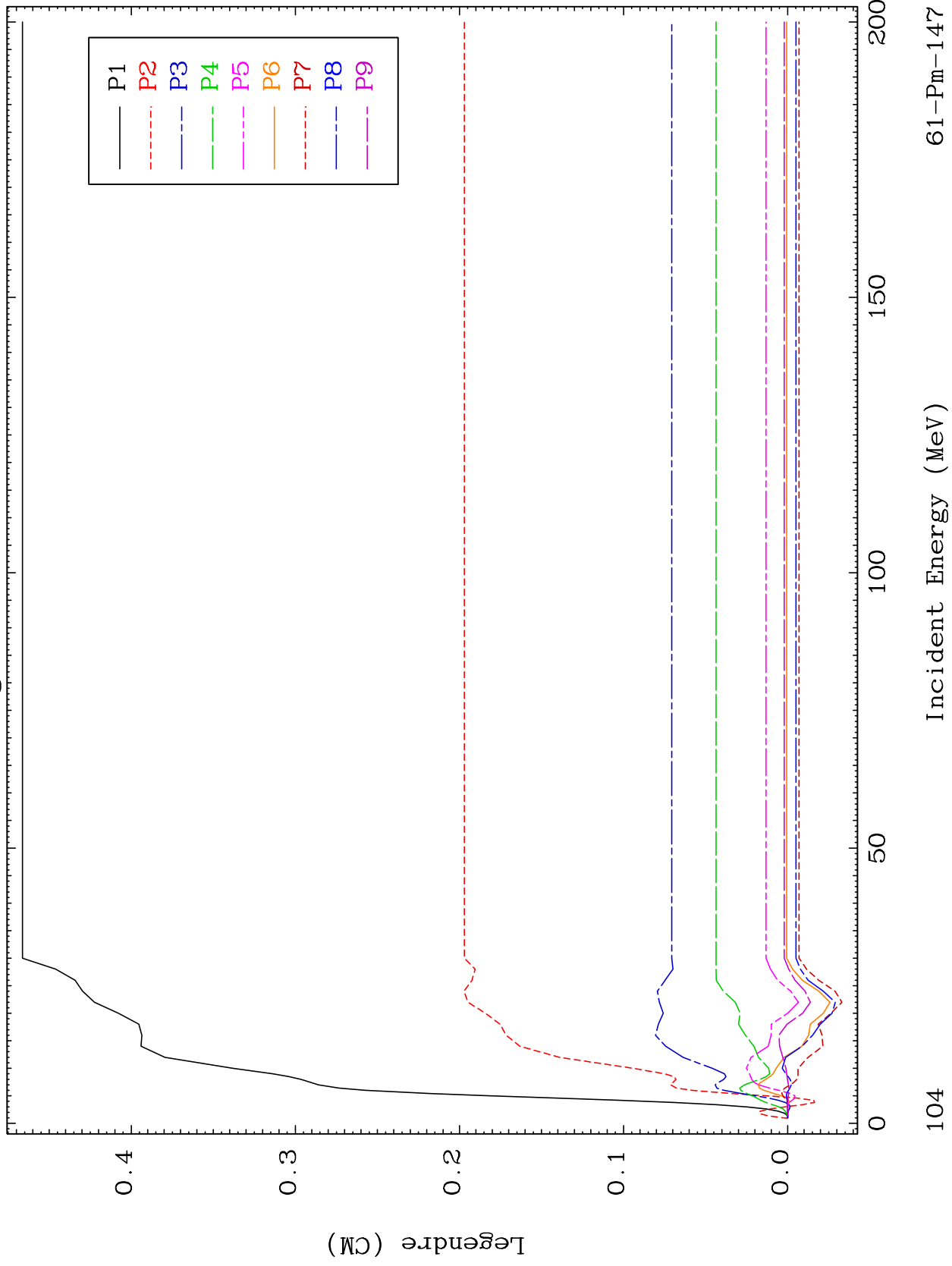




MAT 6149

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

61-Pm-147



61-Pm-147

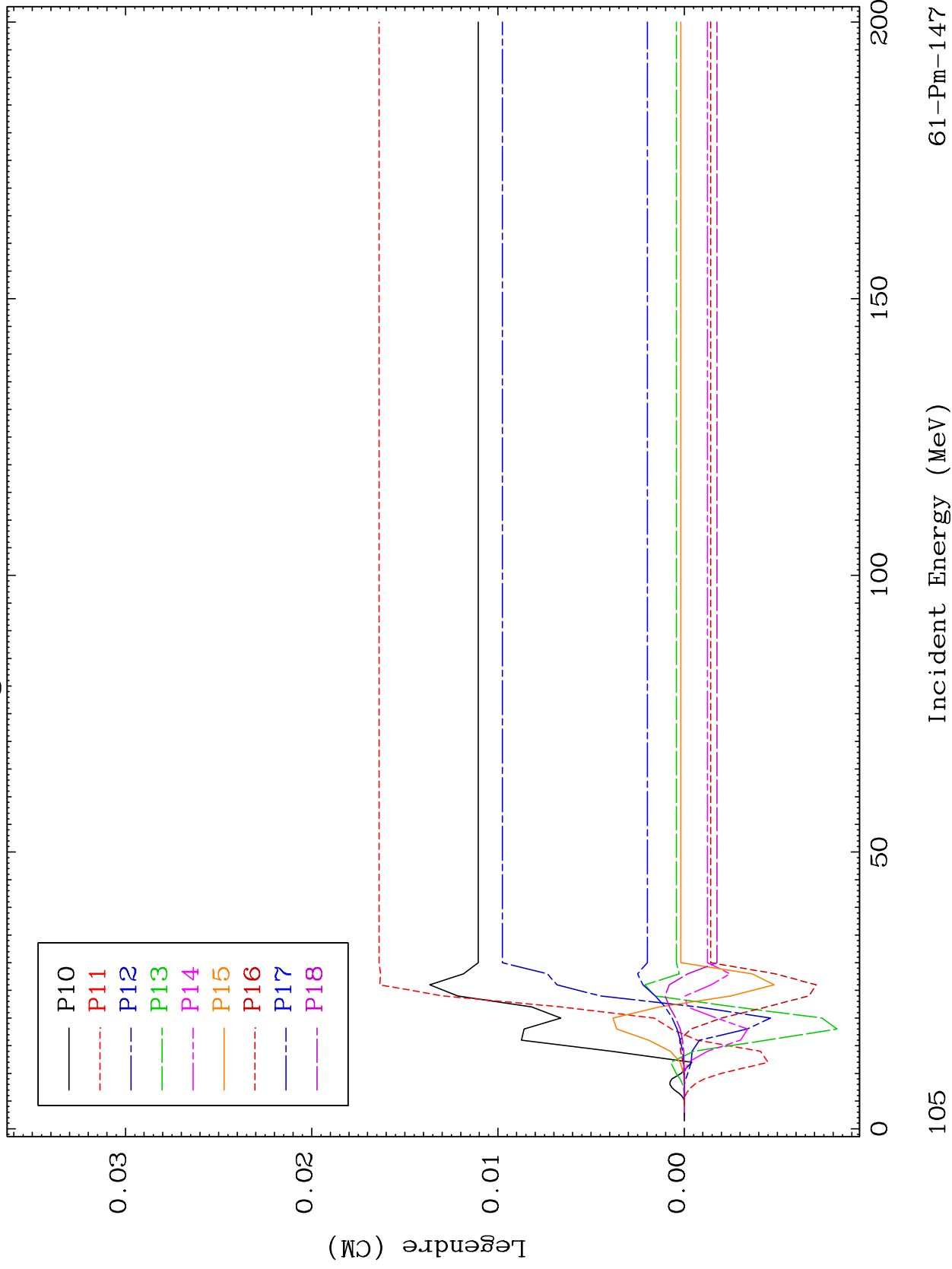
Incident Energy (MeV)

104

MAT 6149

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

61-Pm-147



61-Pm-147

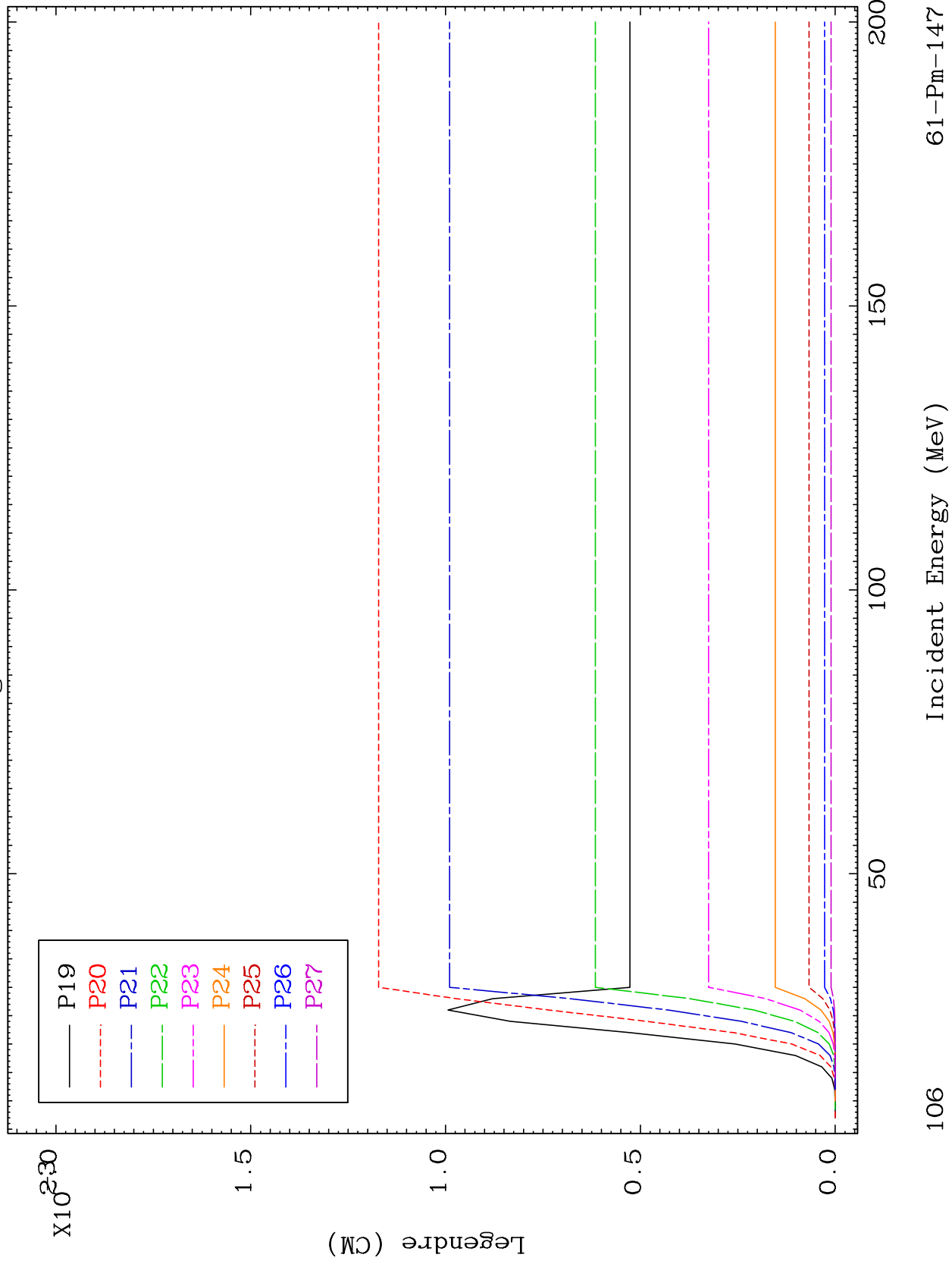
Incident Energy (MeV)

105

MAT 6149

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

61-Pm-147



106

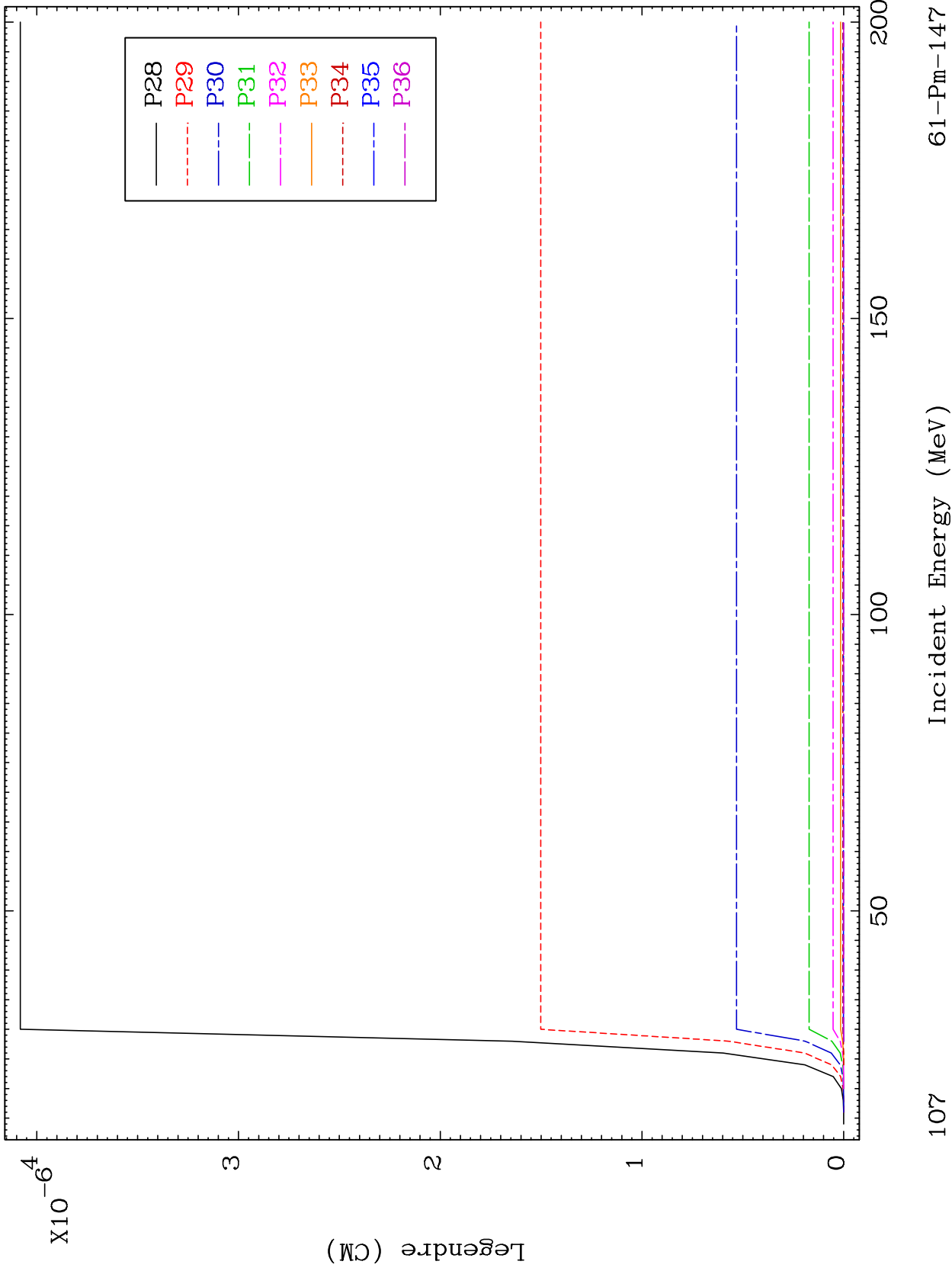
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

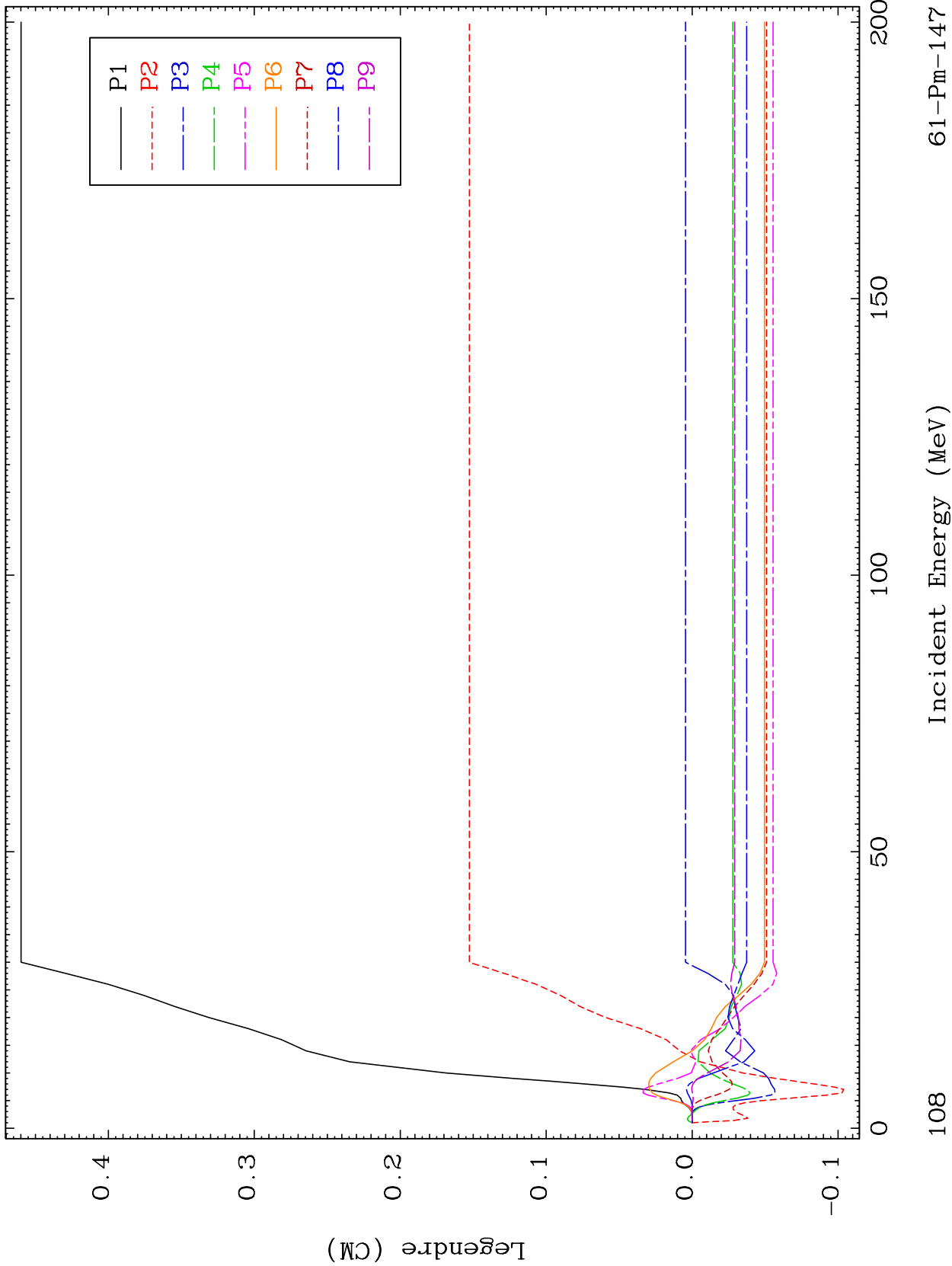
61-Pm-147



MAT 6149

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

61-Pm-147



61-Pm-147

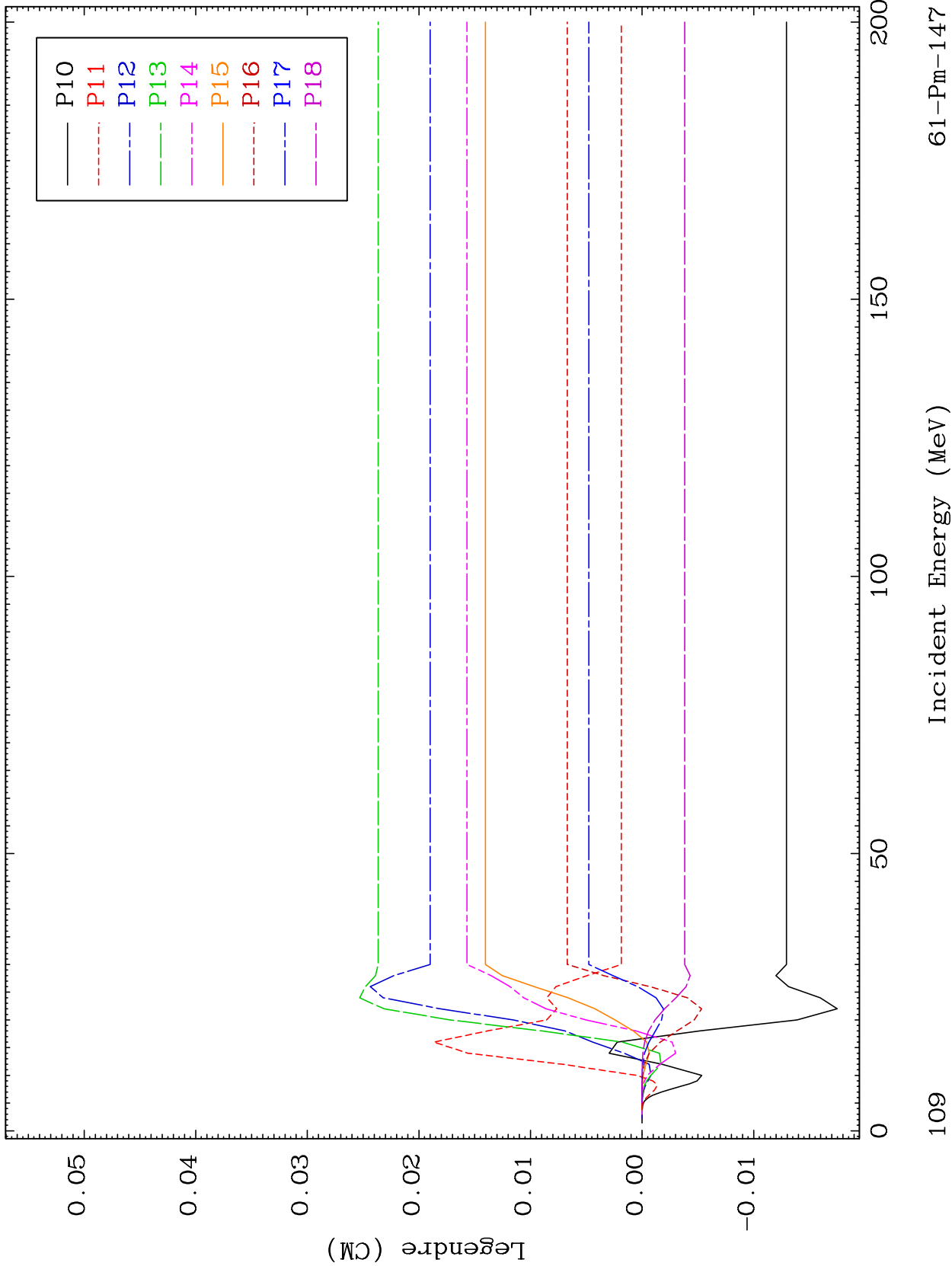
Incident Energy (MeV)

108

MAT 6149

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

61-Pm-147



109

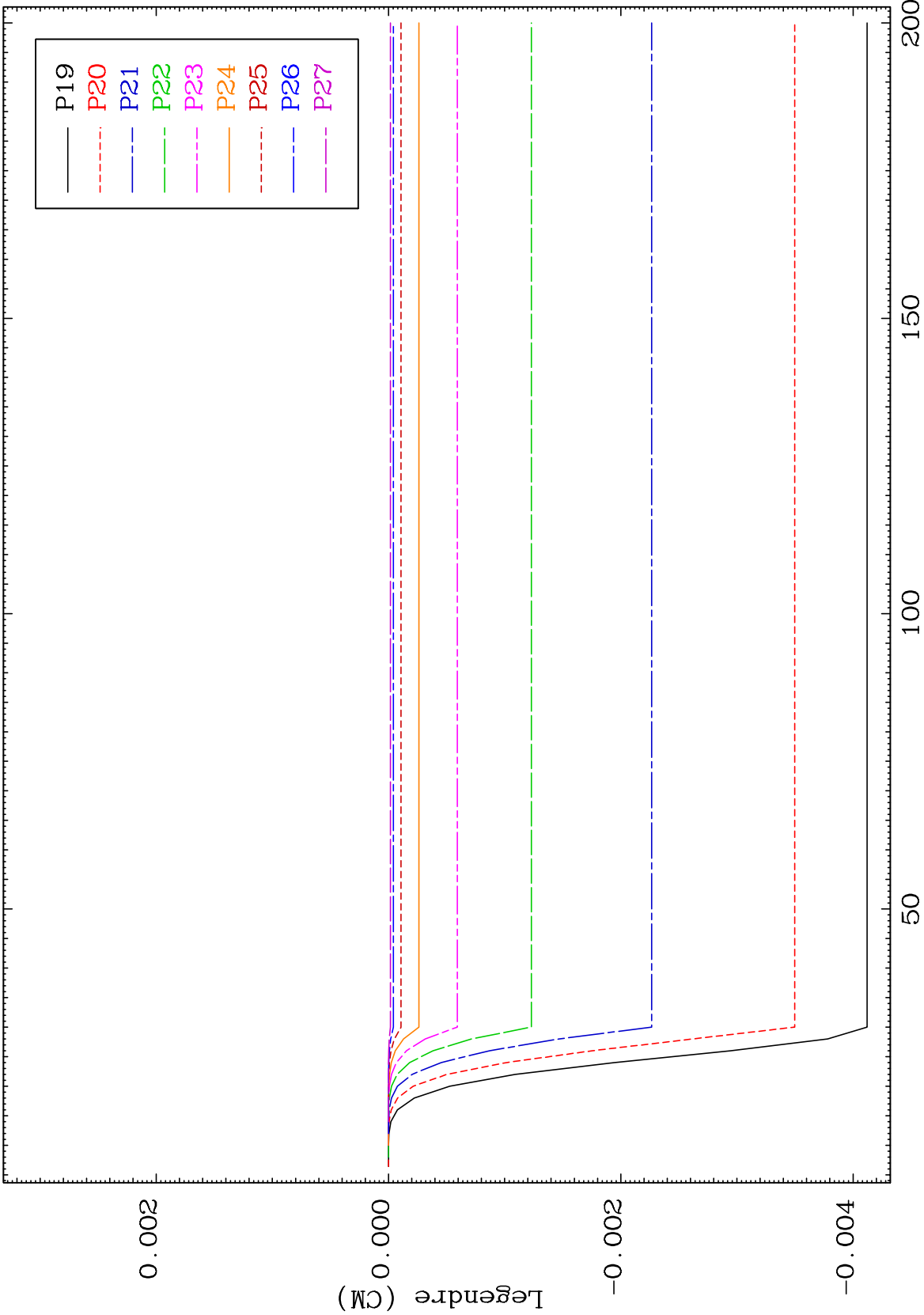
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



110

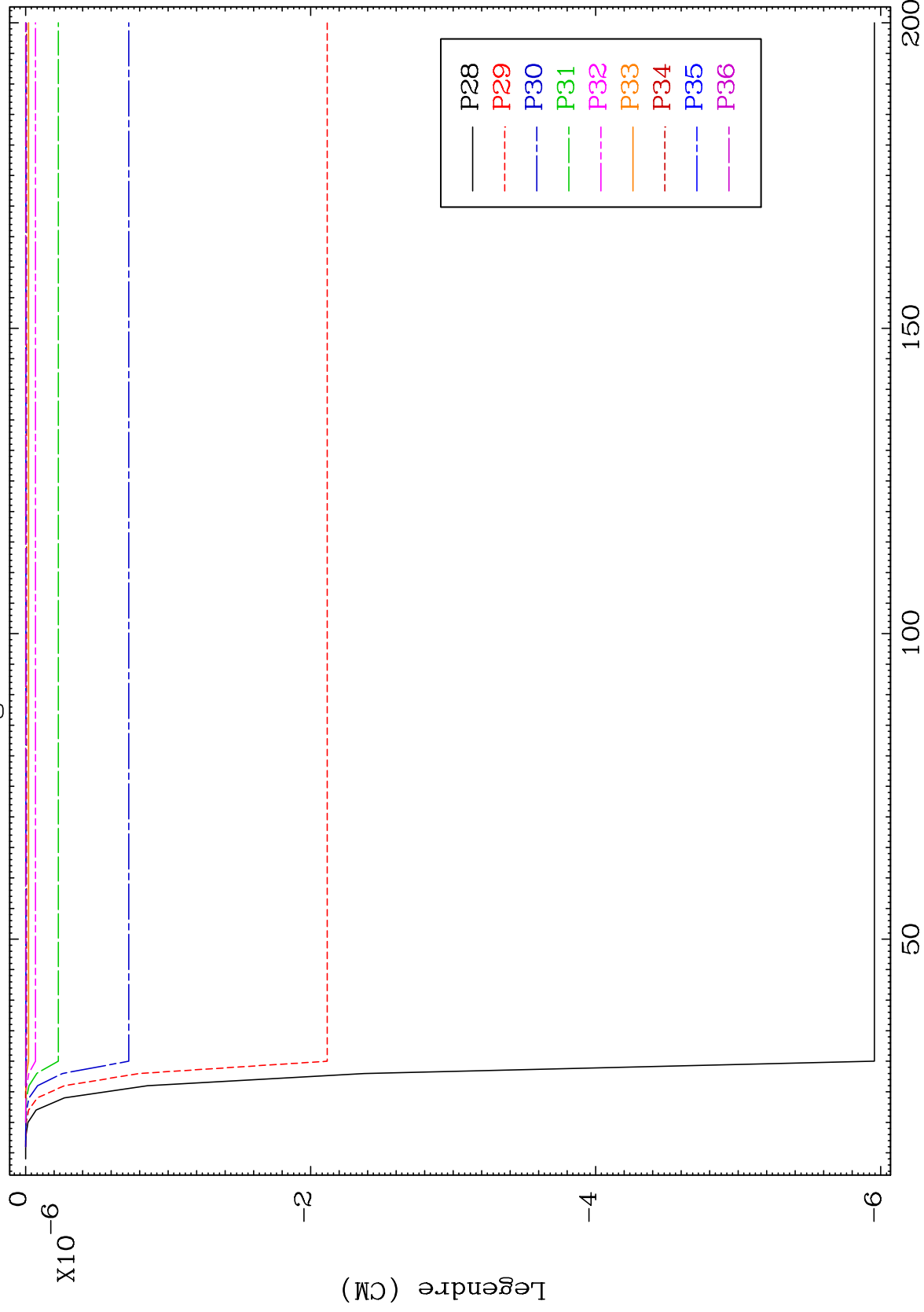
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



111

Incident Energy (MeV)

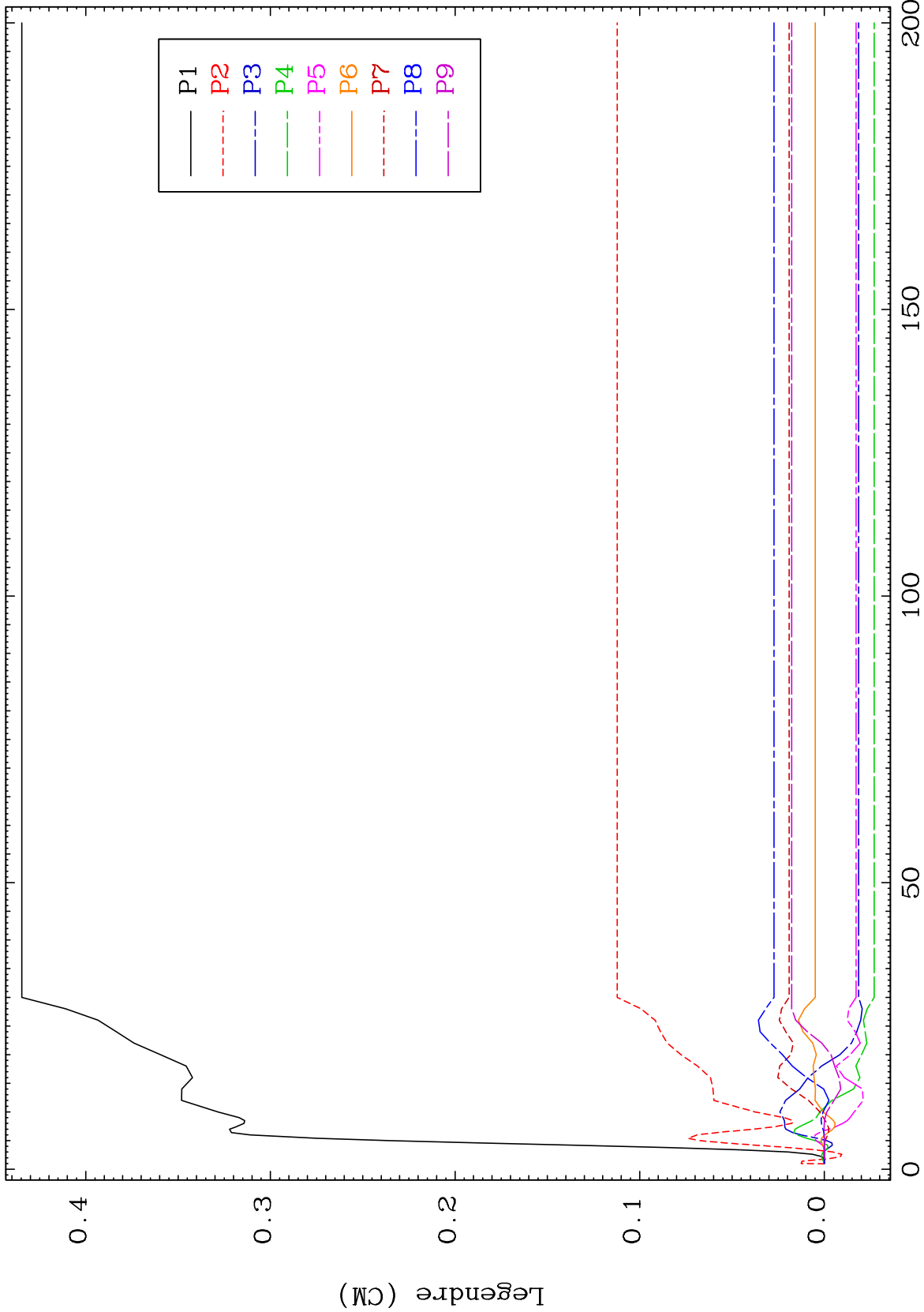
61-Pm-147



MAT 6149

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

61-Pm-147



61-Pm-147

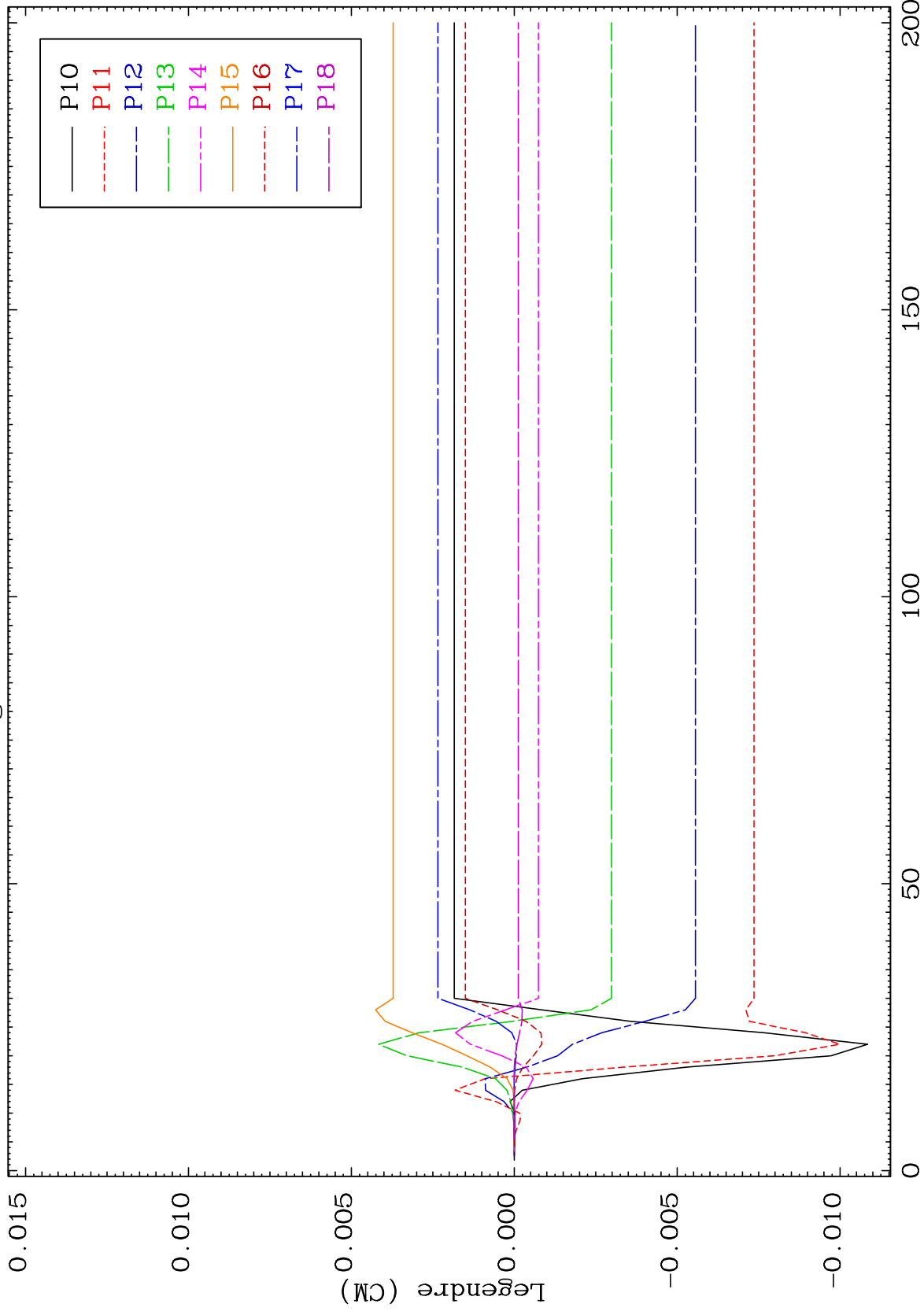
Incident Energy (MeV)

112

MAT 6149

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

61-Pm-147



113

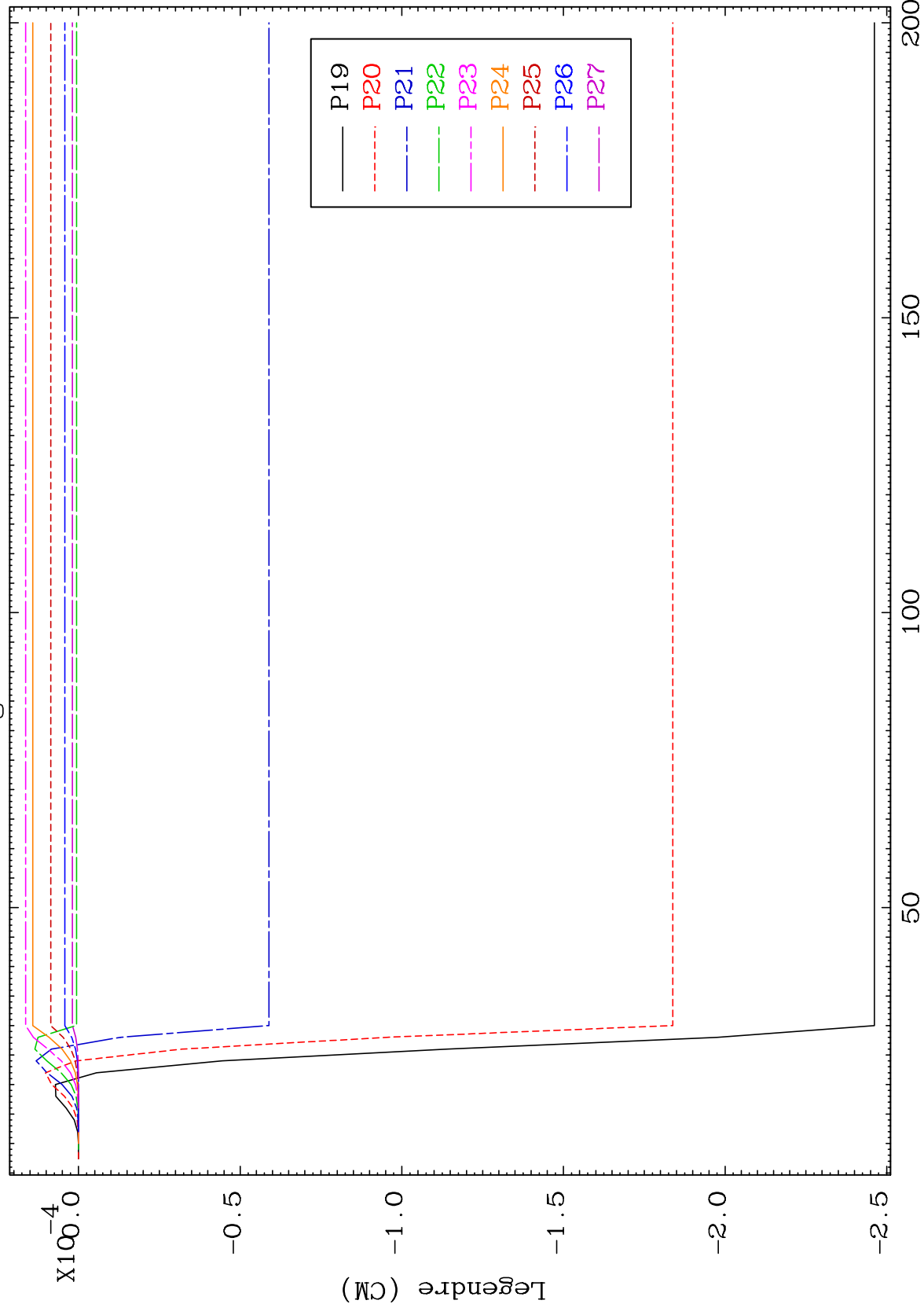
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



114

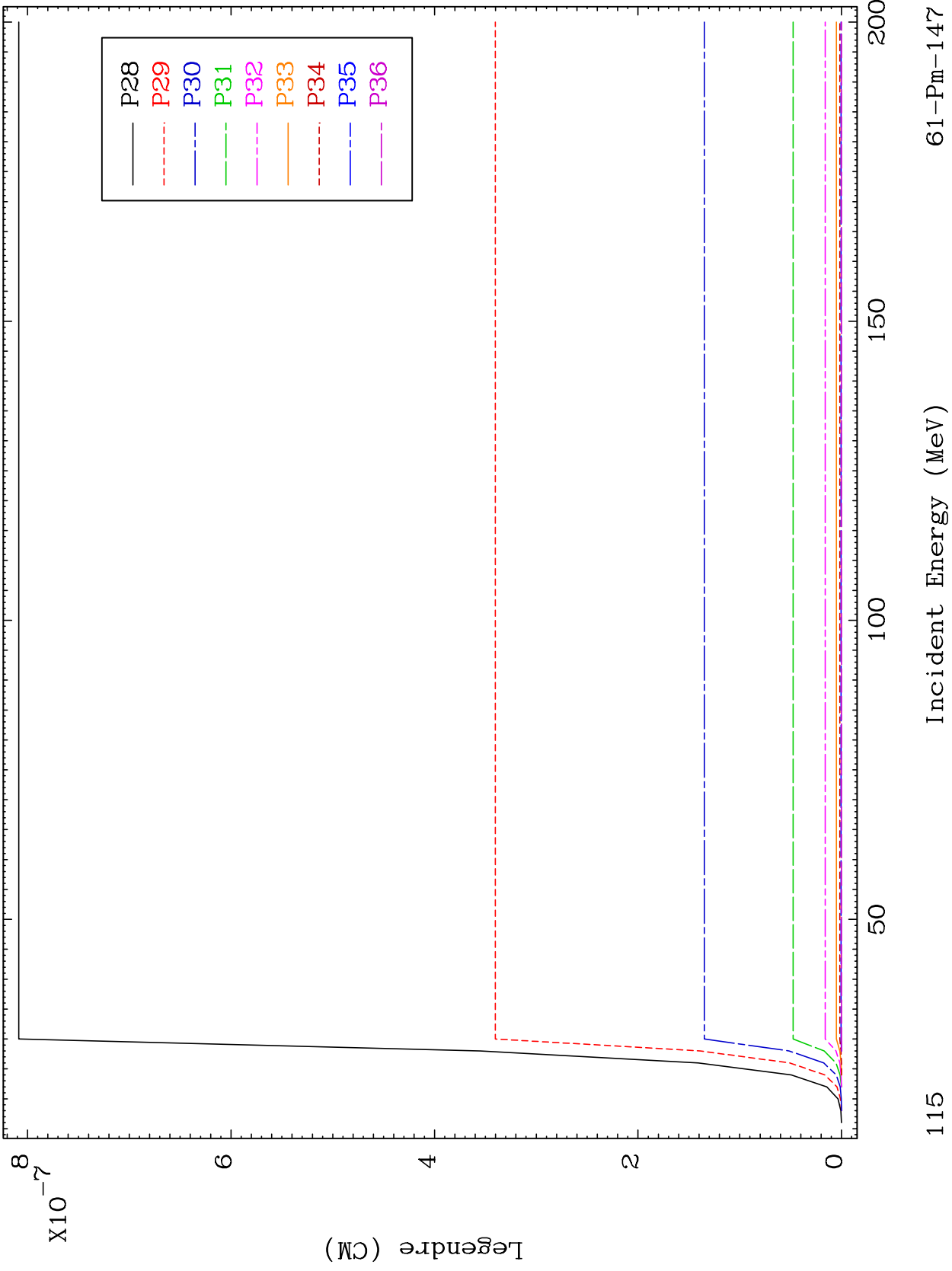
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

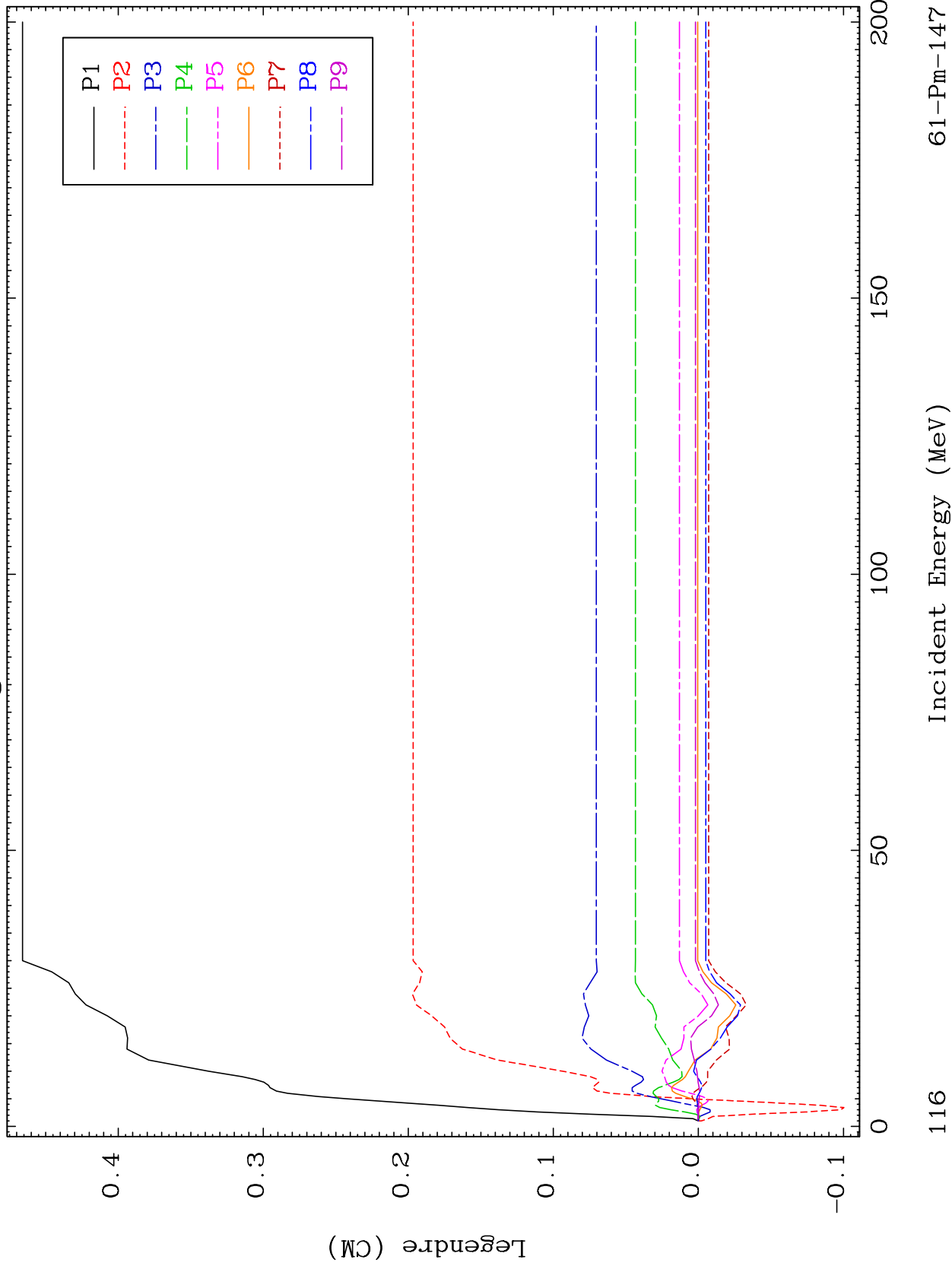
61-Pm-147



MAT 6149

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

61-Pm-147



61-Pm-147

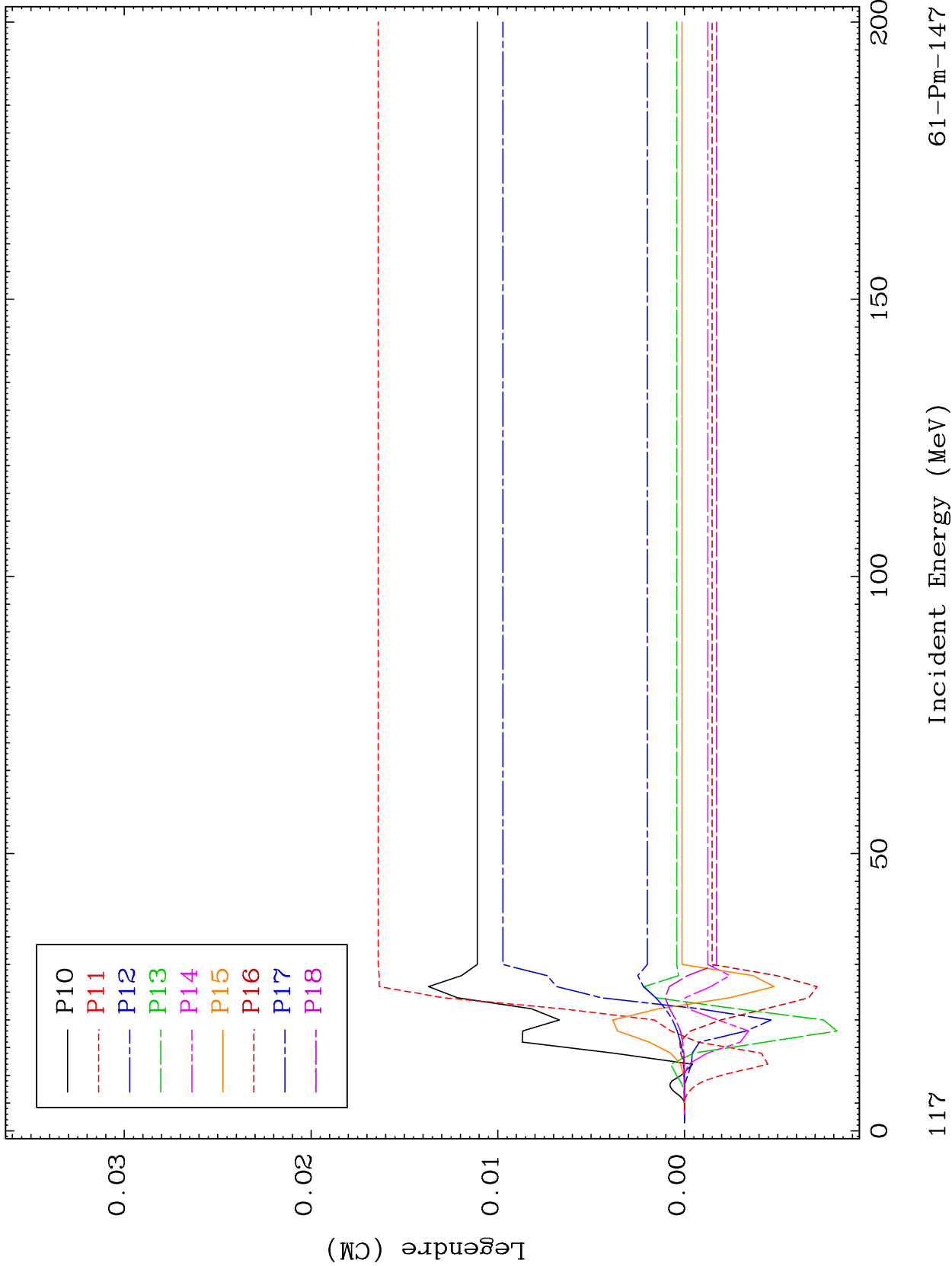
Incident Energy (MeV)

116

MAT 6149

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

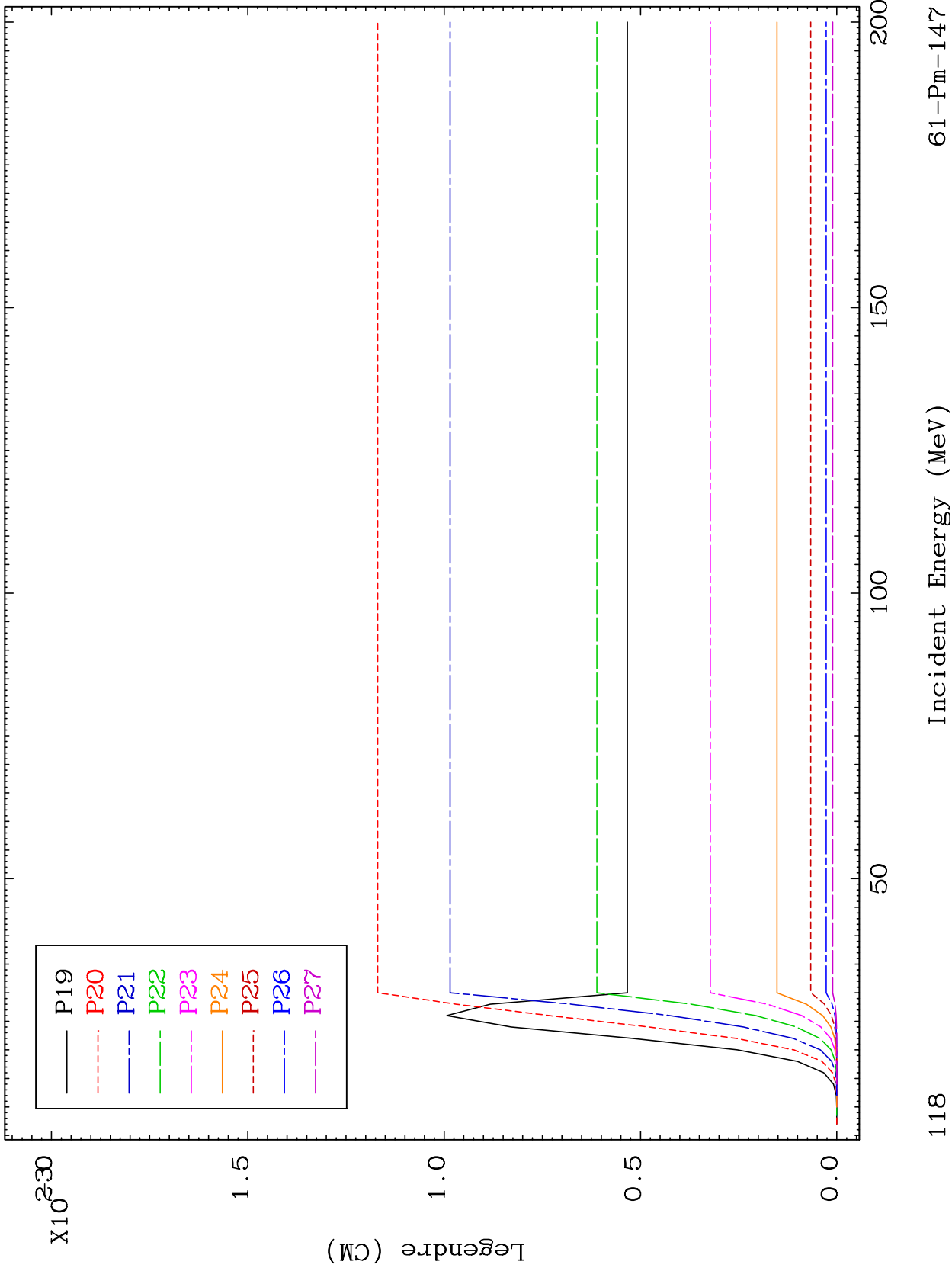
61-Pm-147



61-Pm-147

Incident Energy (MeV)

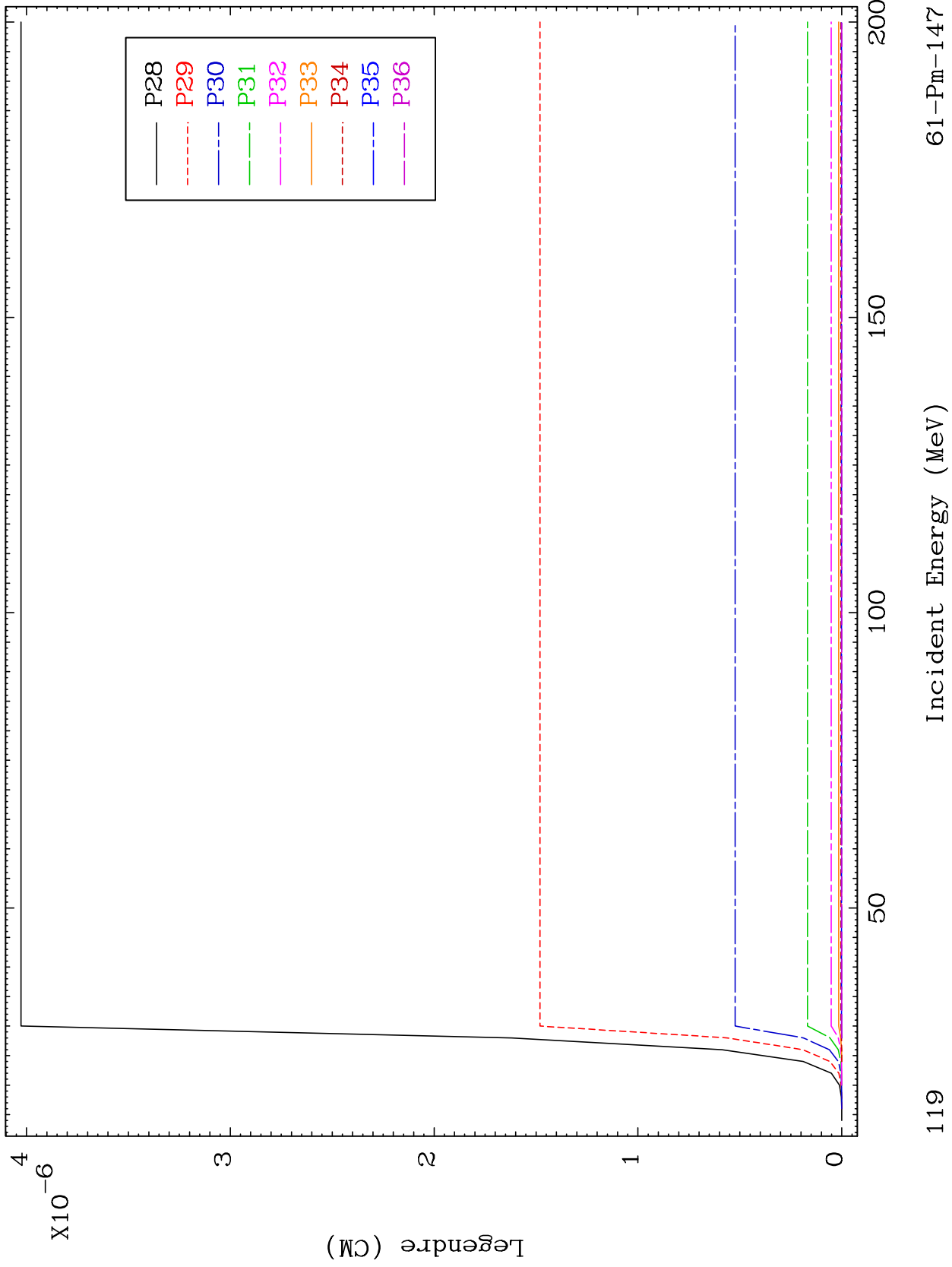
117



MAT 6149

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

61-Pm-147



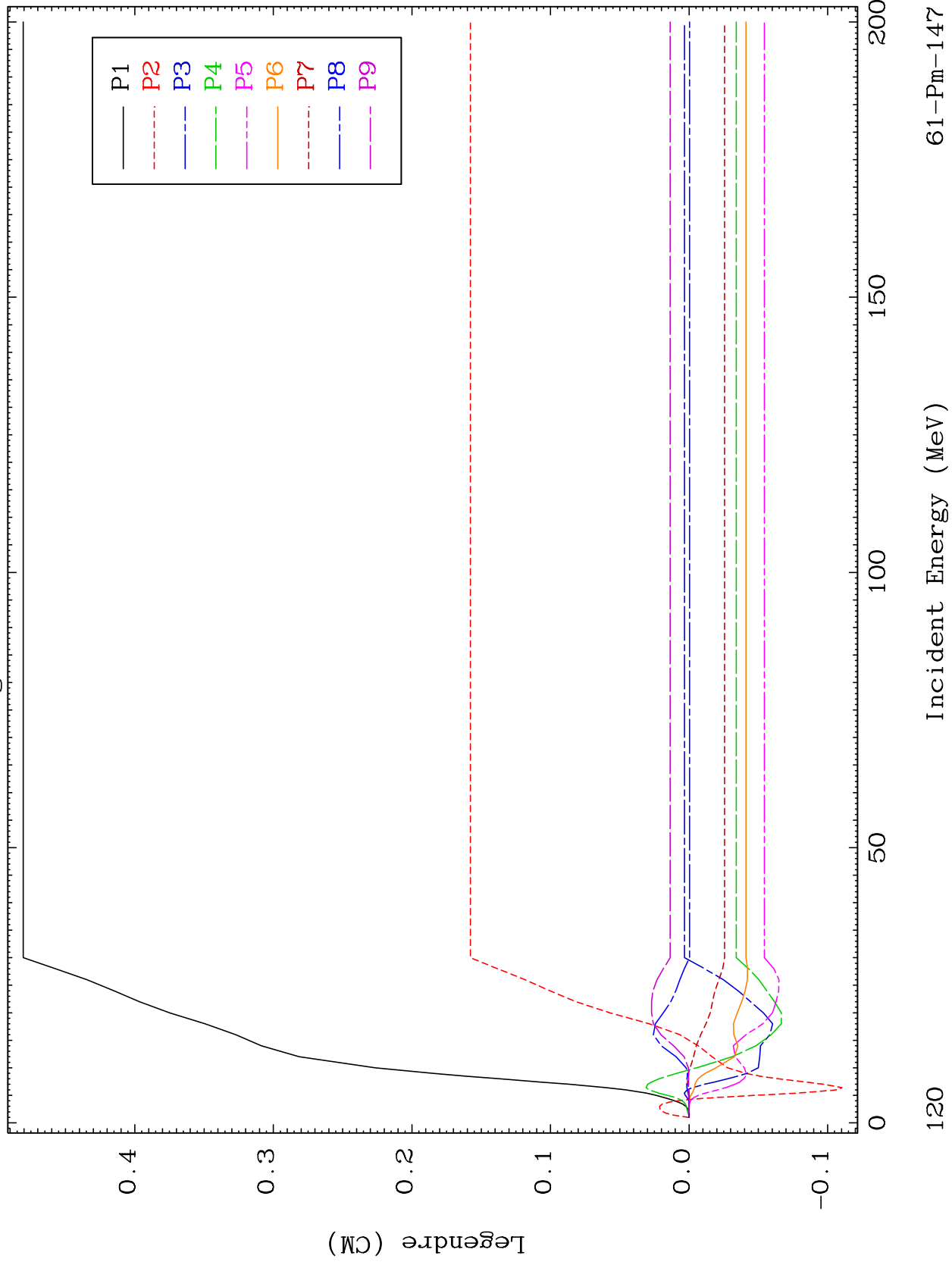
119



MAT 6149

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

61-Pm-147



61-Pm-147

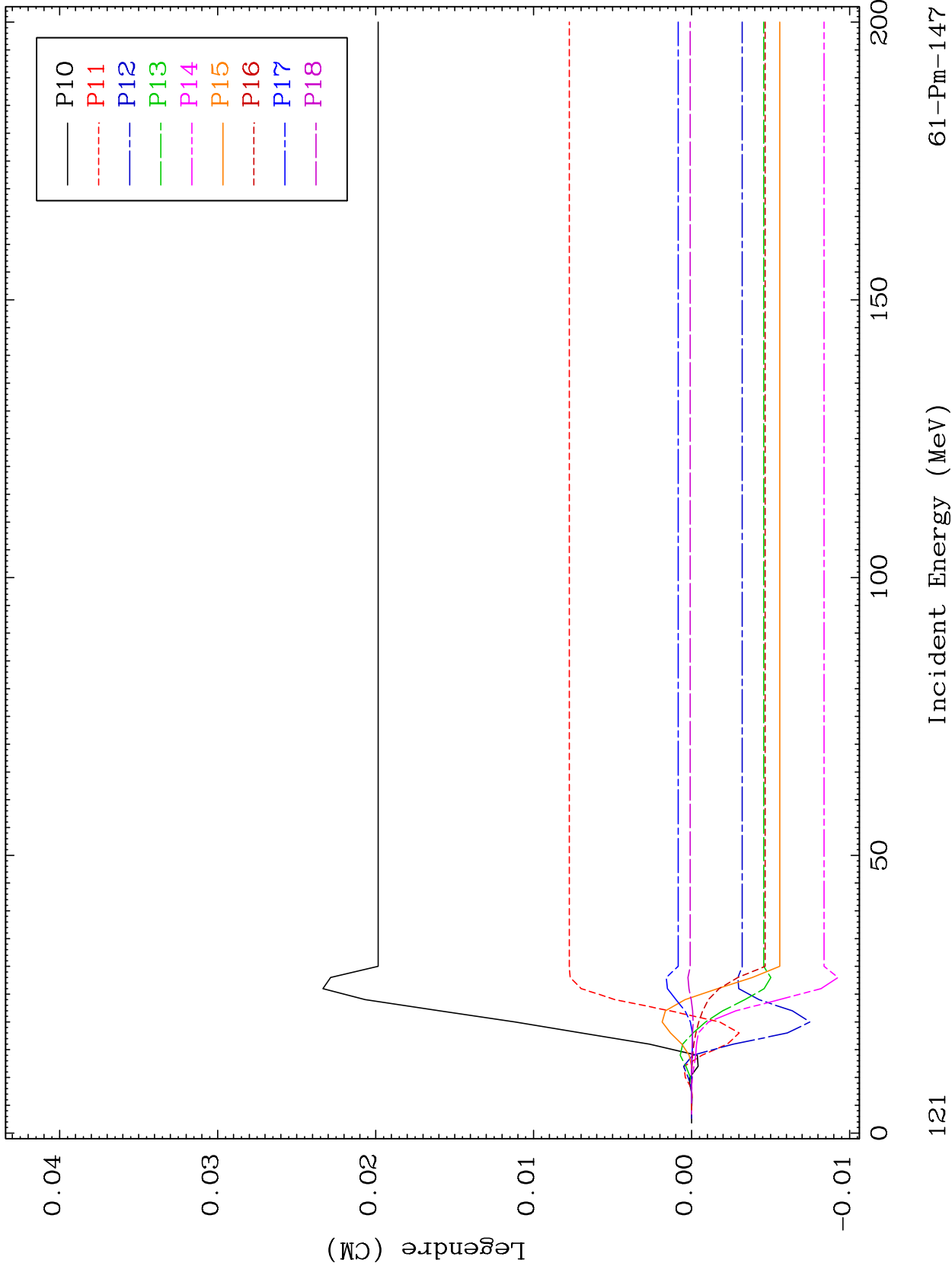
Incident Energy (MeV)

120

MAT 6149

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

61-Pm-147



61-Pm-147

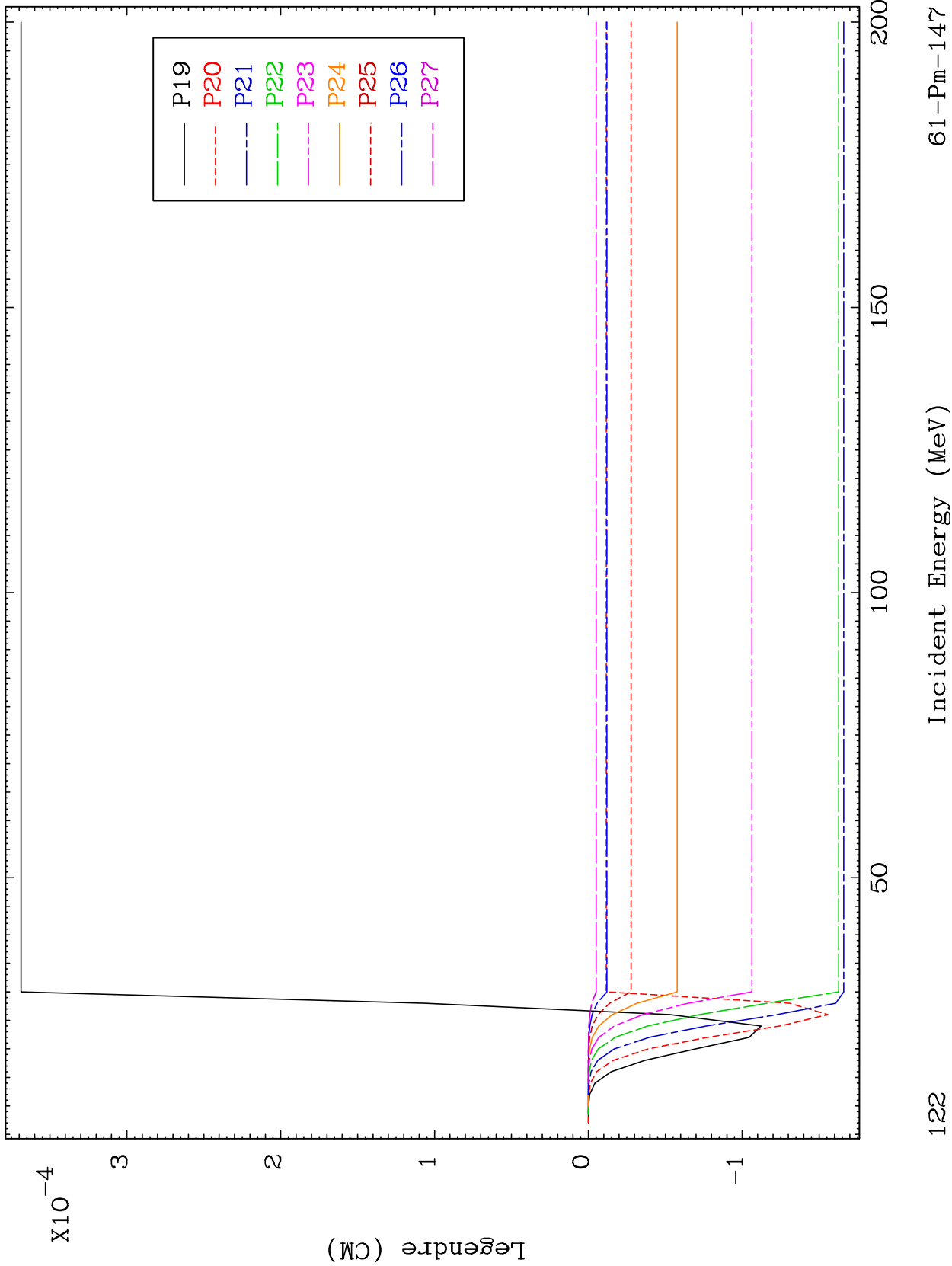
Incident Energy (MeV)

121

MAT 6149

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

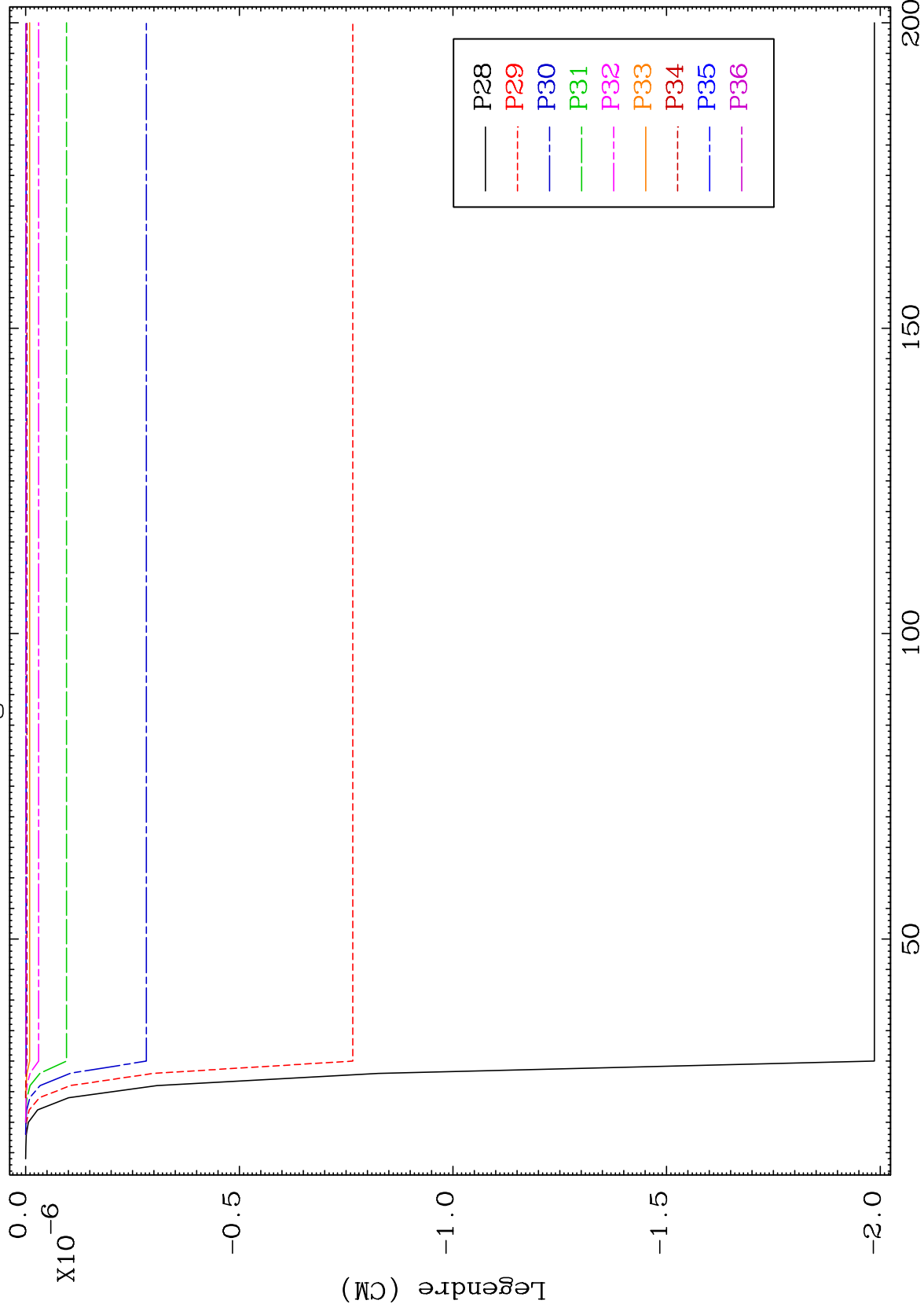
61-Pm-147



MAT 6149

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

61-Pm-147



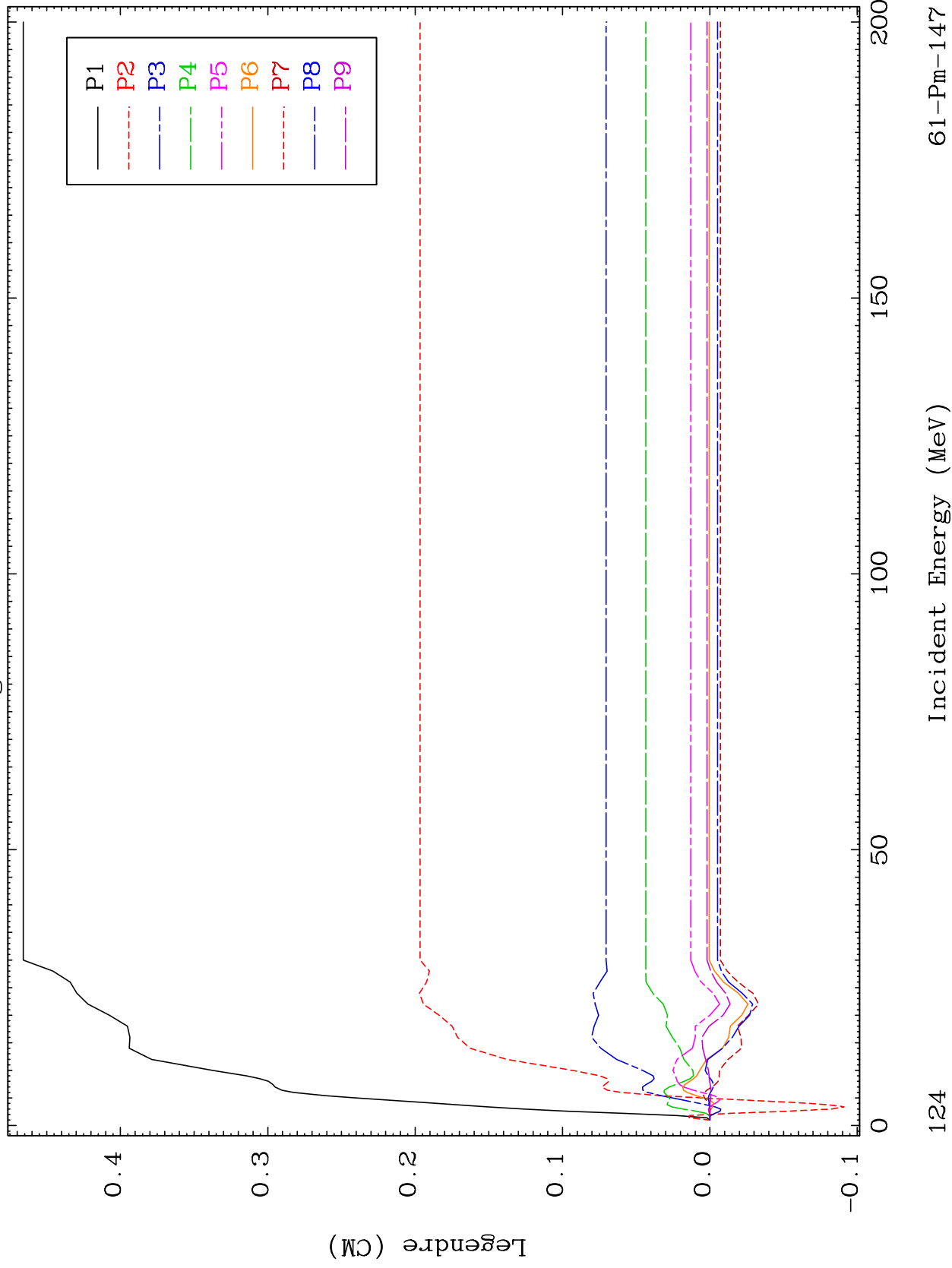
123

61-Pm-147

MAT 6149

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

61-Pm-147



61-Pm-147

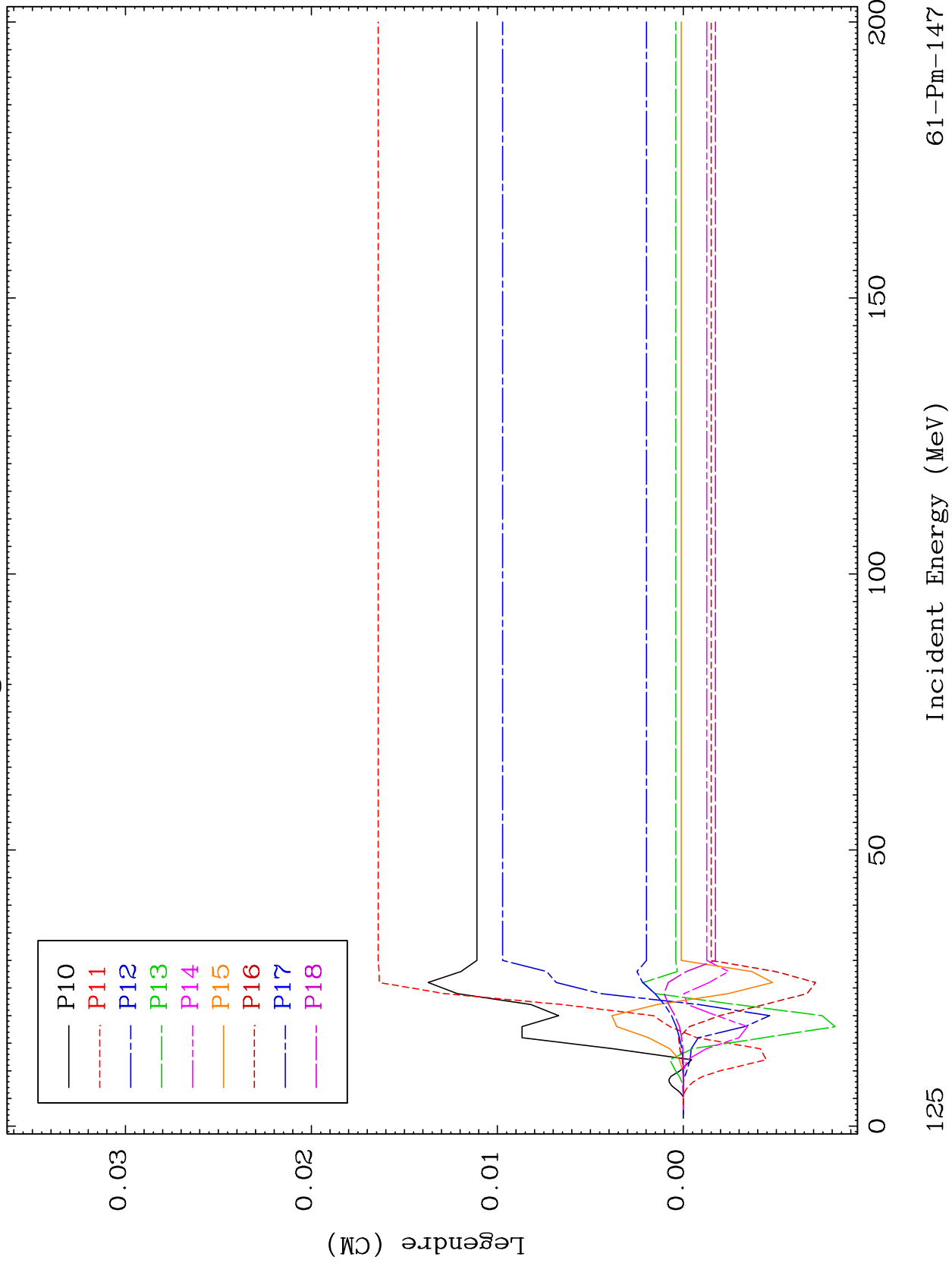
Incident Energy (MeV)

124

MAT 6149

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

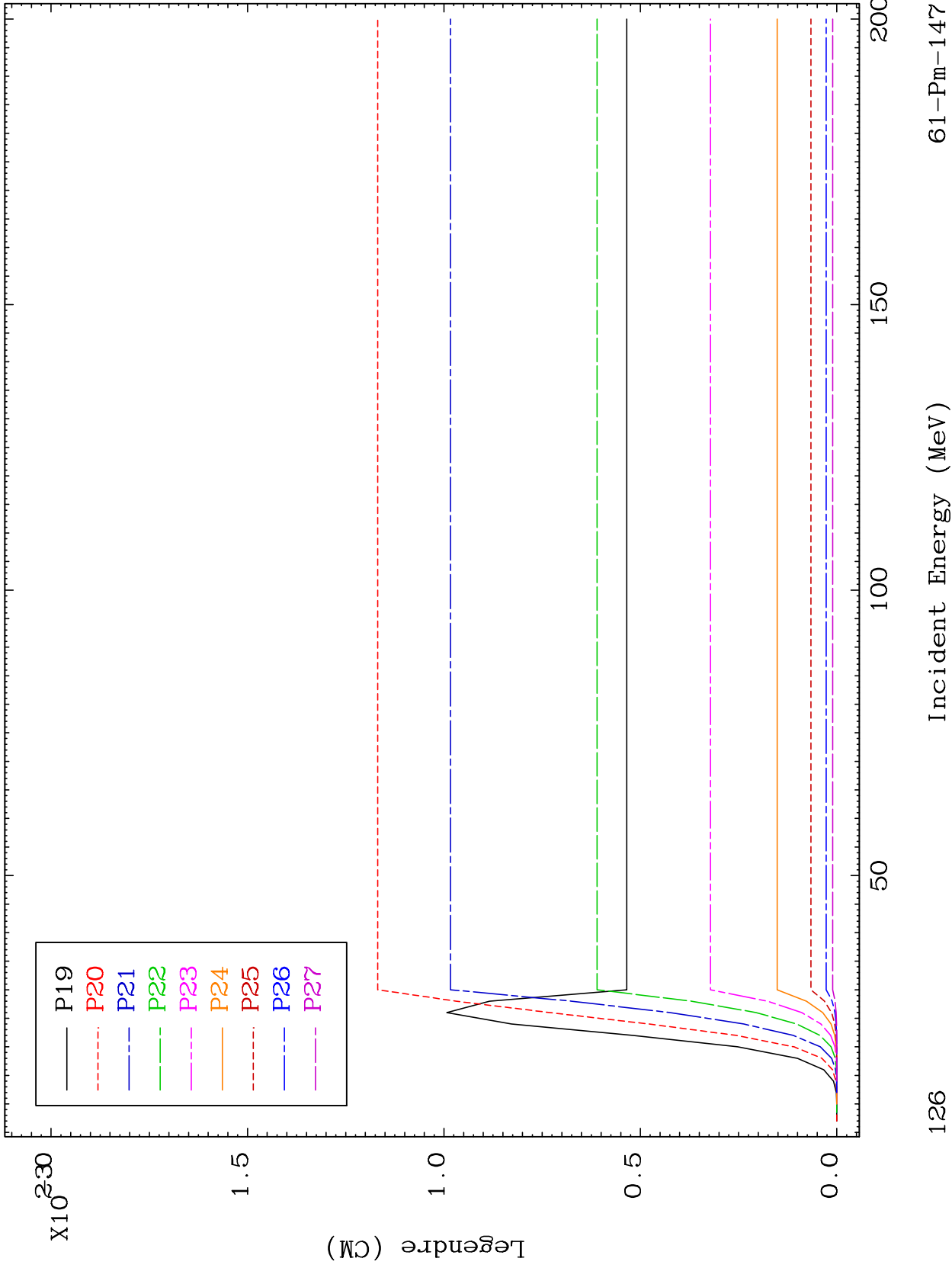
61-Pm-147



61-Pm-147

Incident Energy (MeV)

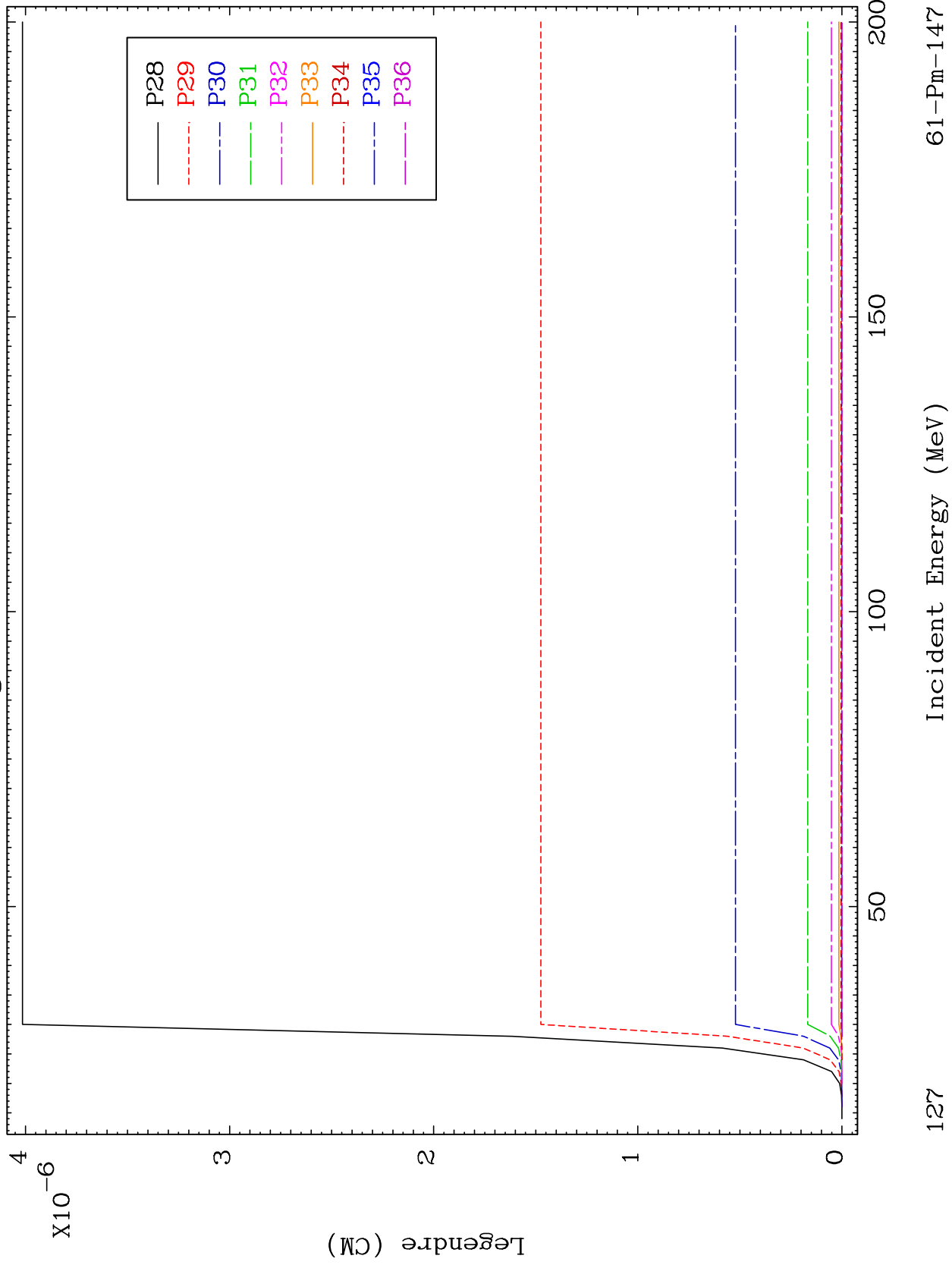
125



MAT 6149

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

61-Pm-147



127

Incident Energy (MeV)

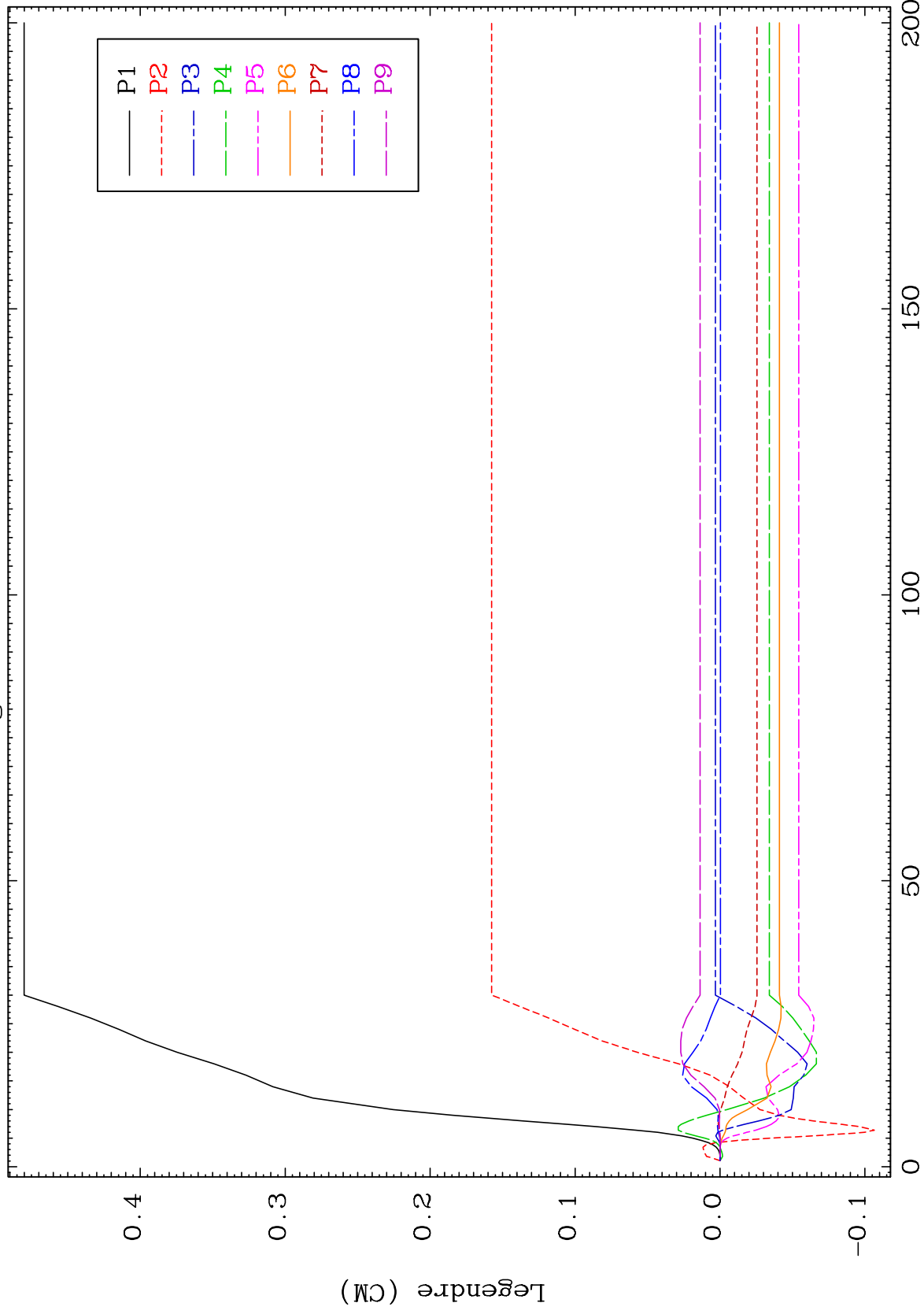
61-Pm-147



MAT 6149

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

61-Pm-147



128

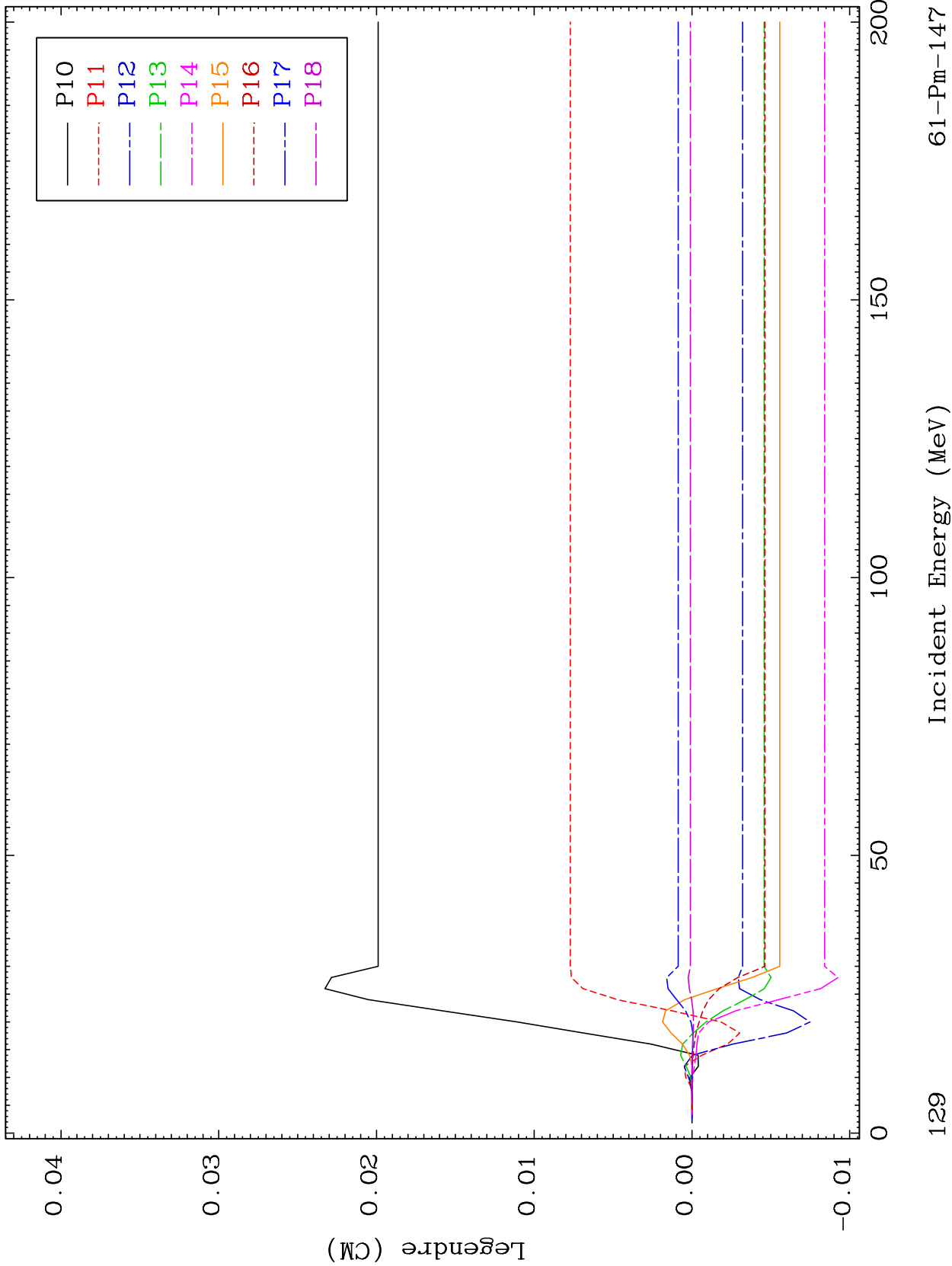
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



61-Pm-147

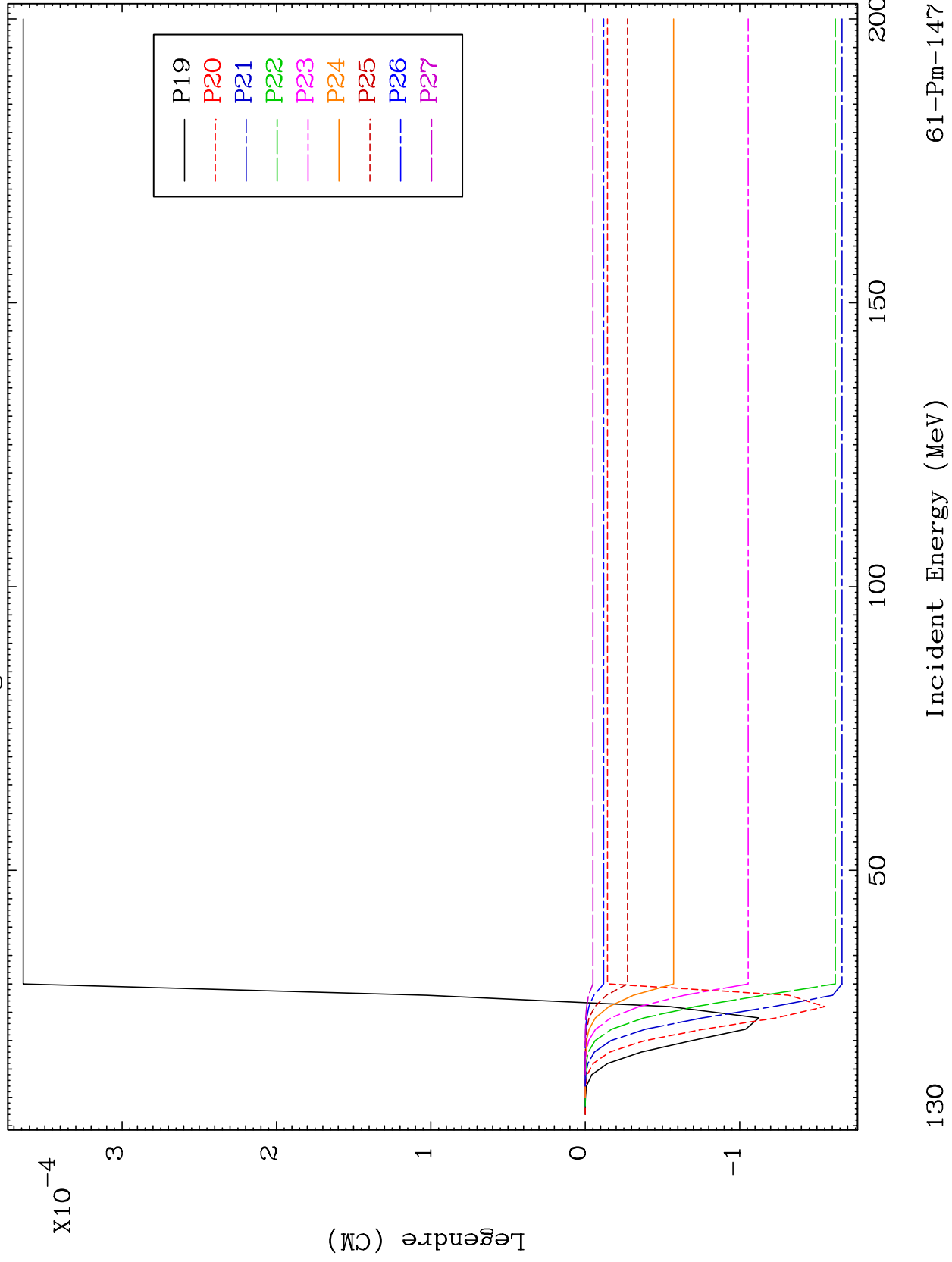
Incident Energy (MeV)

129

MAT 6149

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

61-Pm-147



130

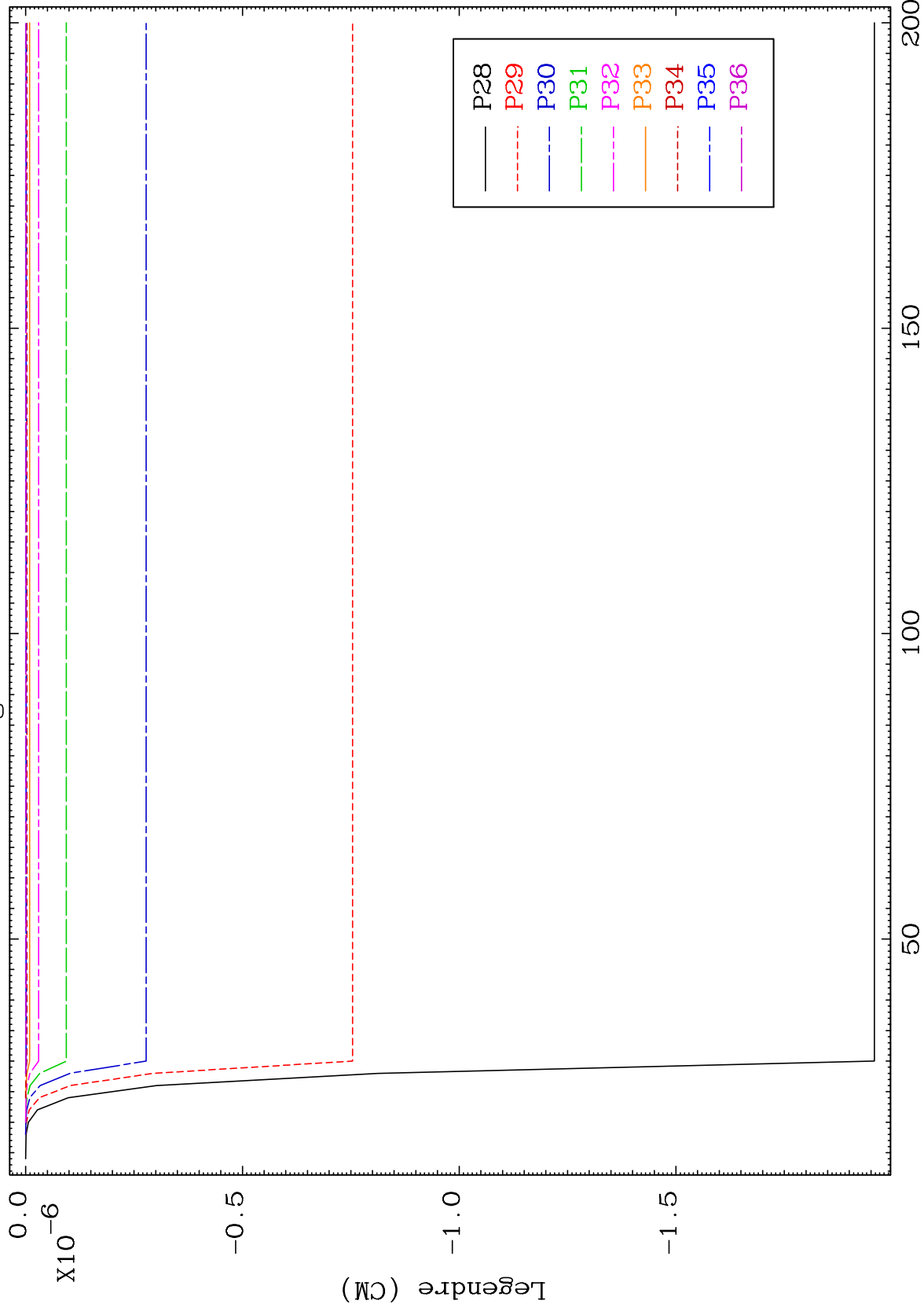
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



131

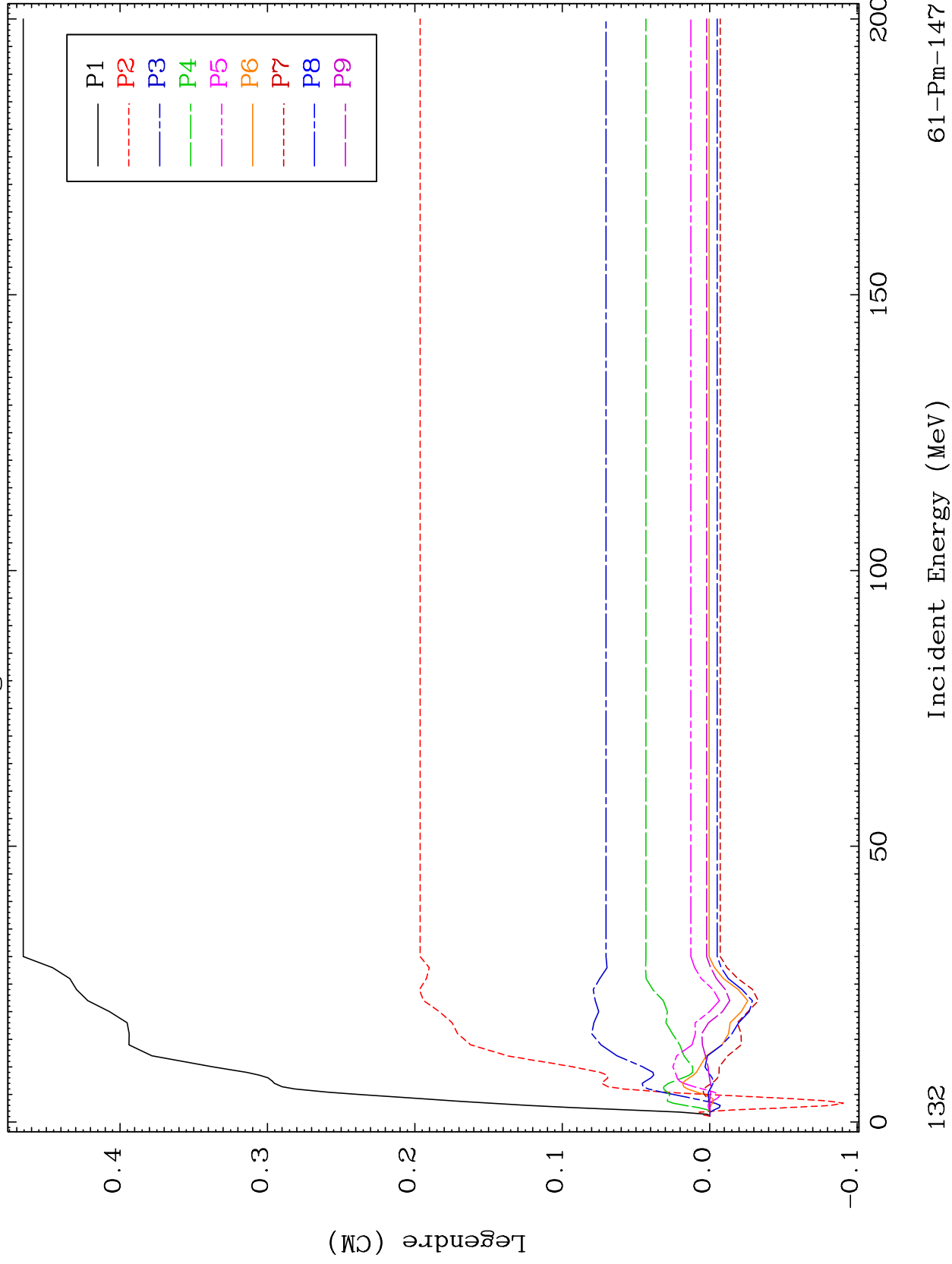
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147



61-Pm-147

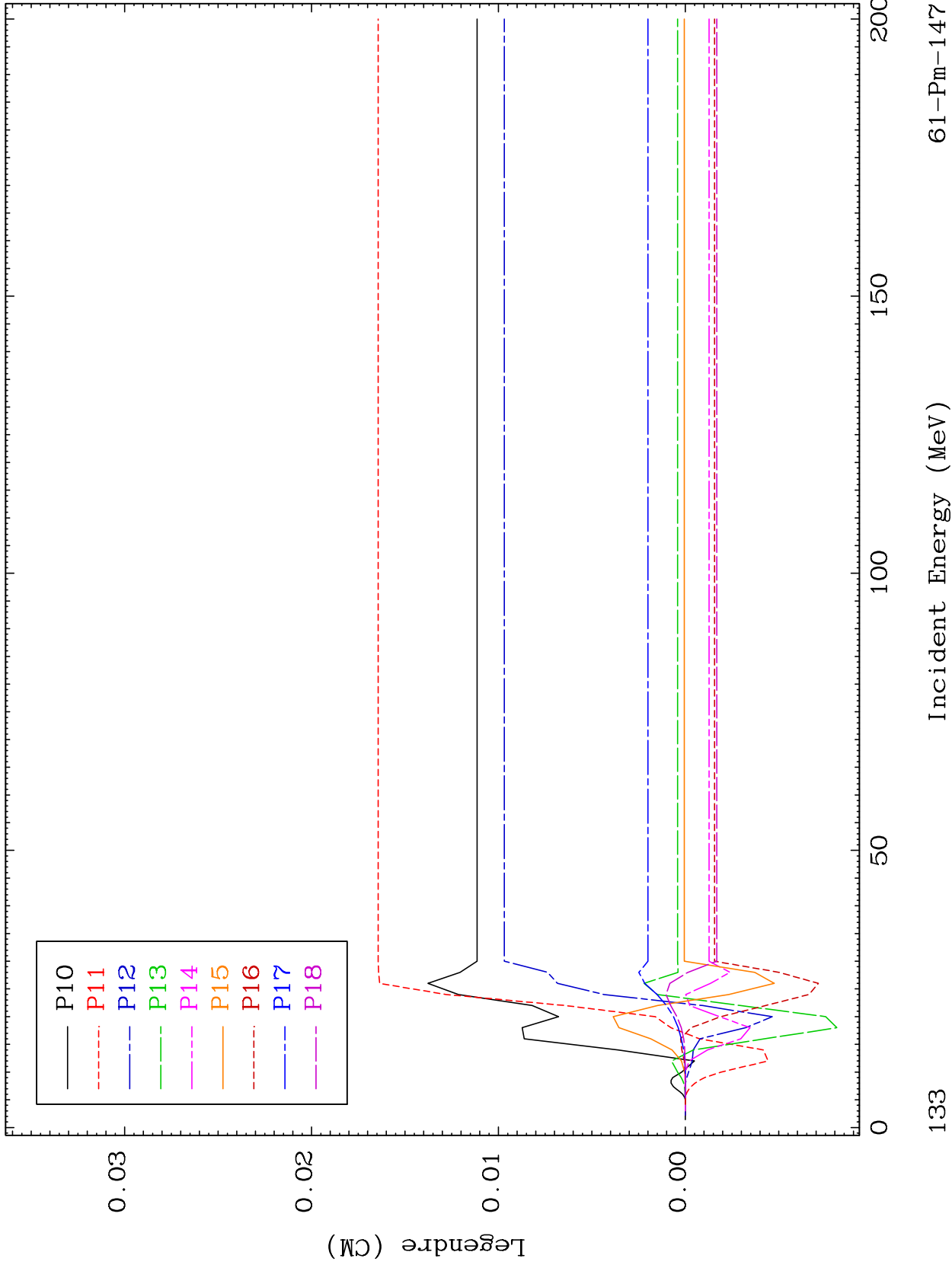
Incident Energy (MeV)

132

MAT 6149

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

61-Pm-147



61-Pm-147

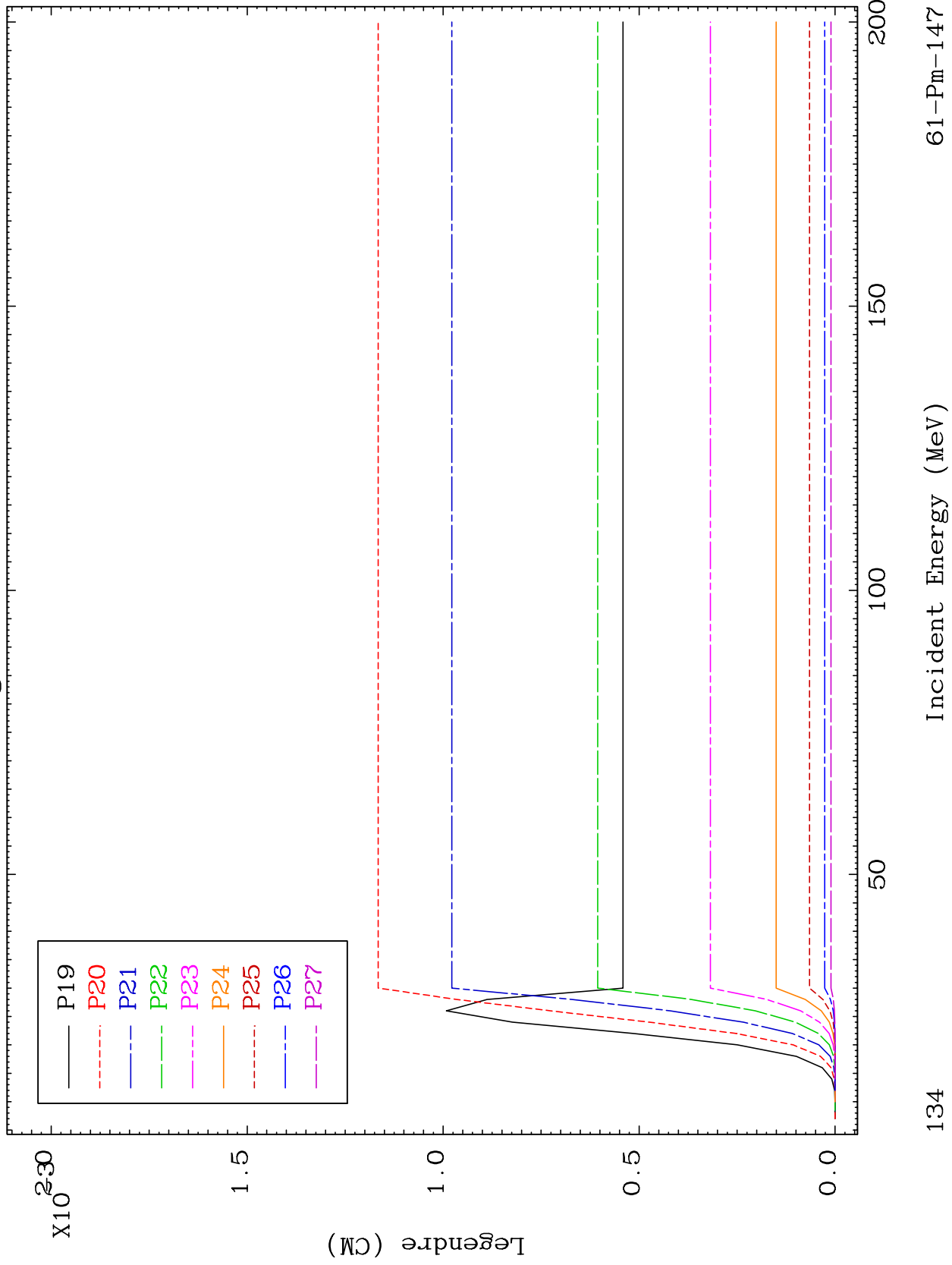
Incident Energy (MeV)

133

MAT 6149

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

61-Pm-147



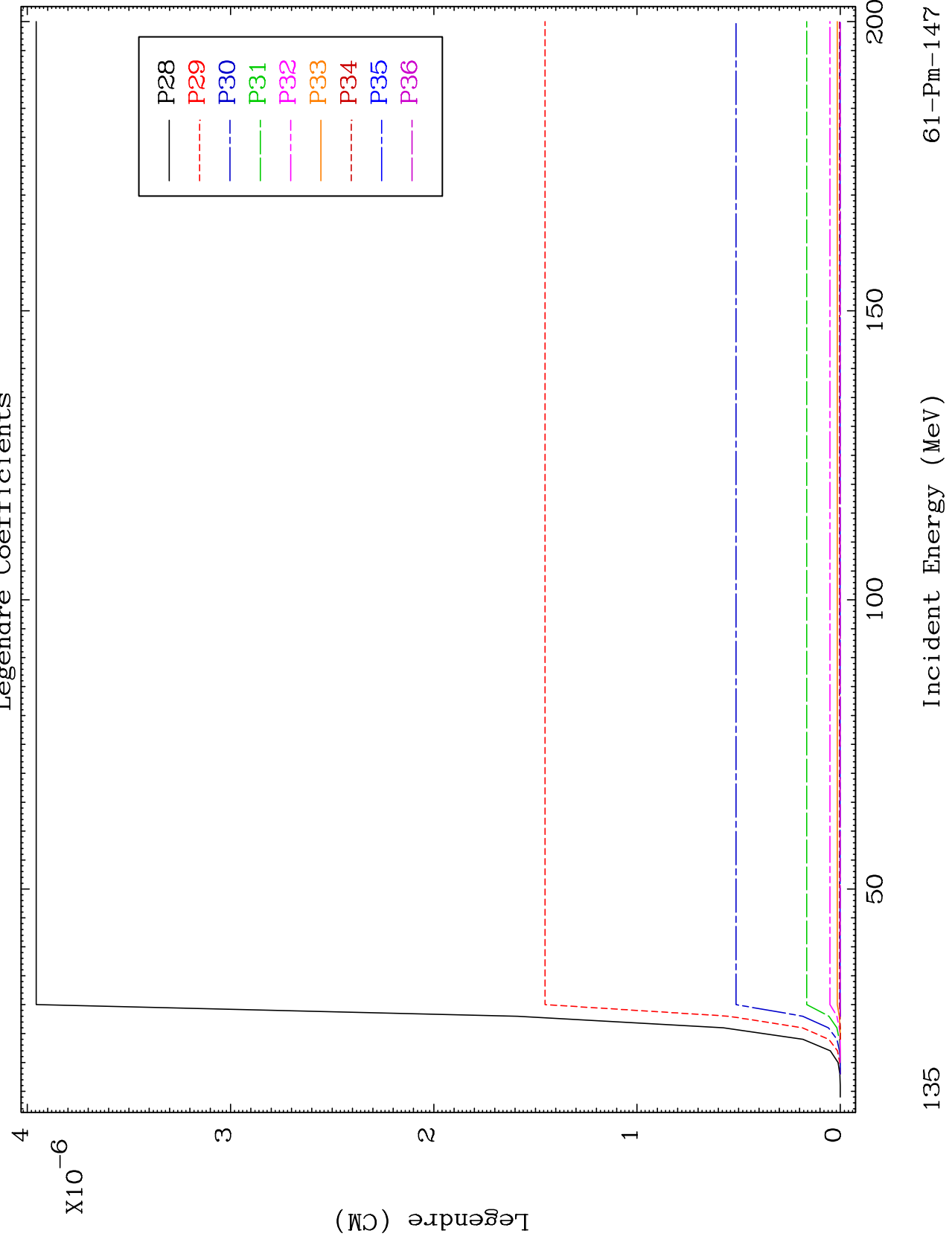
134

61-Pm-147

MAT 6149

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

61-Pm-147



135

Incident Energy (MeV)

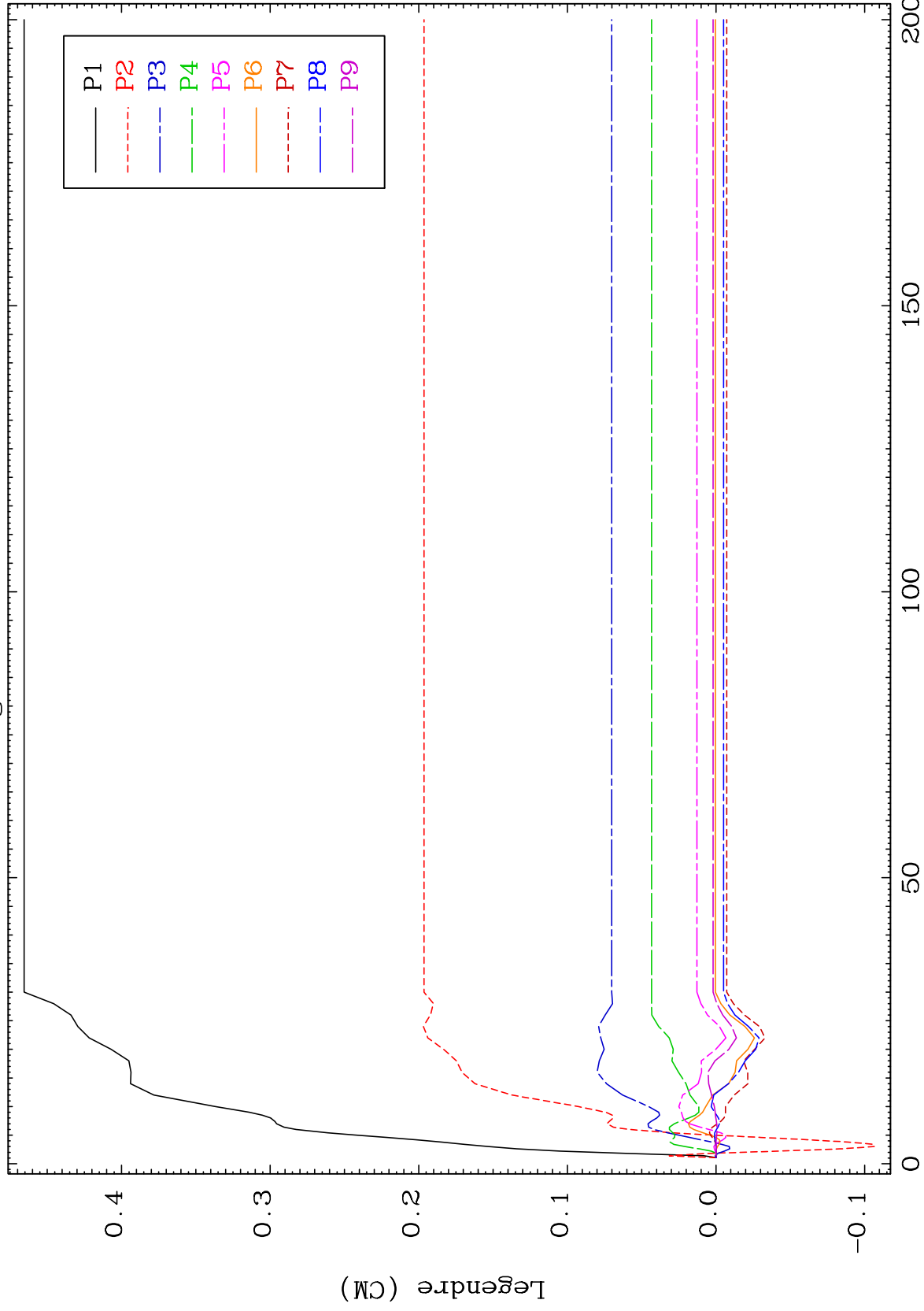
61-Pm-147



MAT 6149

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

61-Pm-147



136

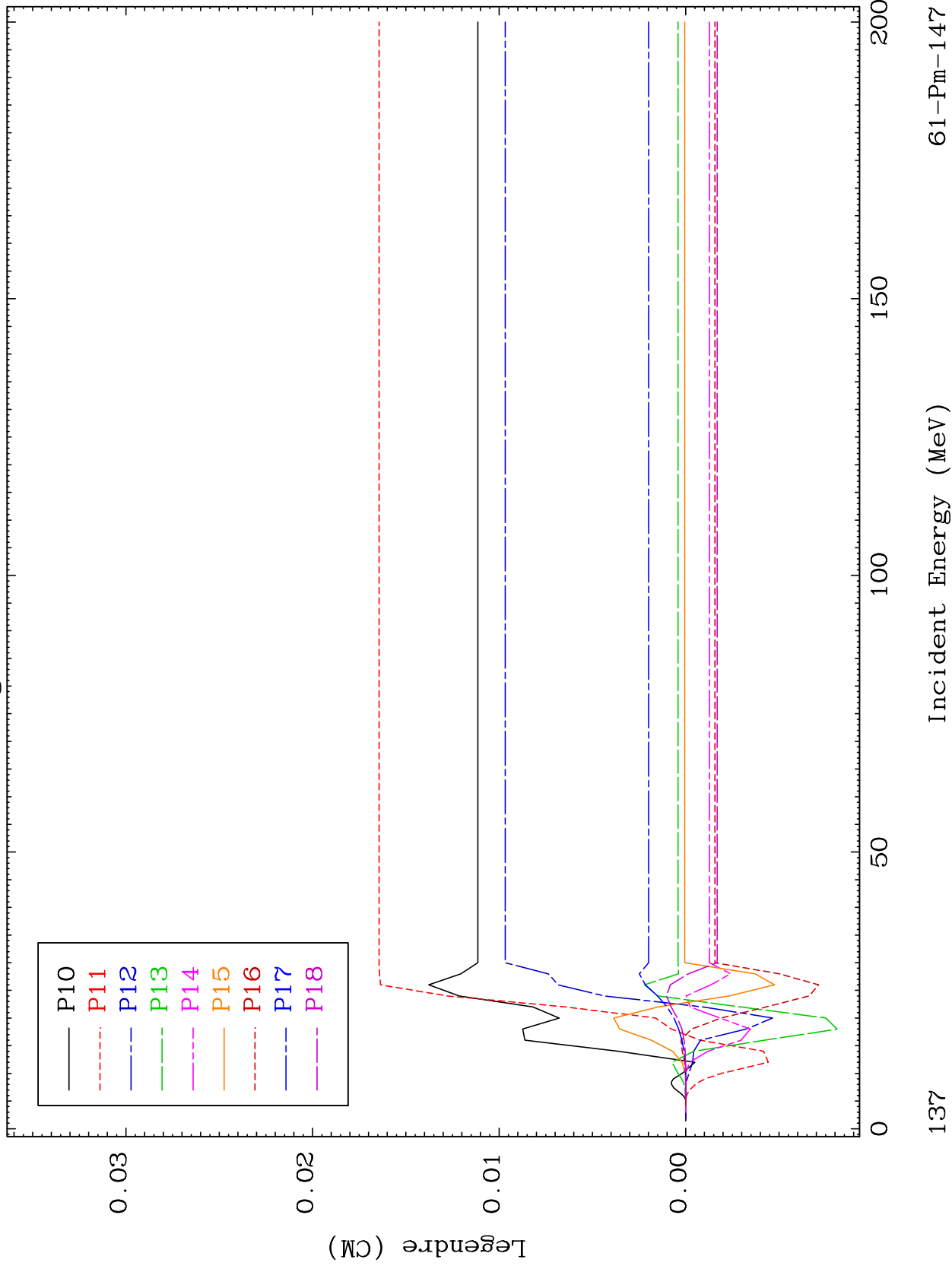
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

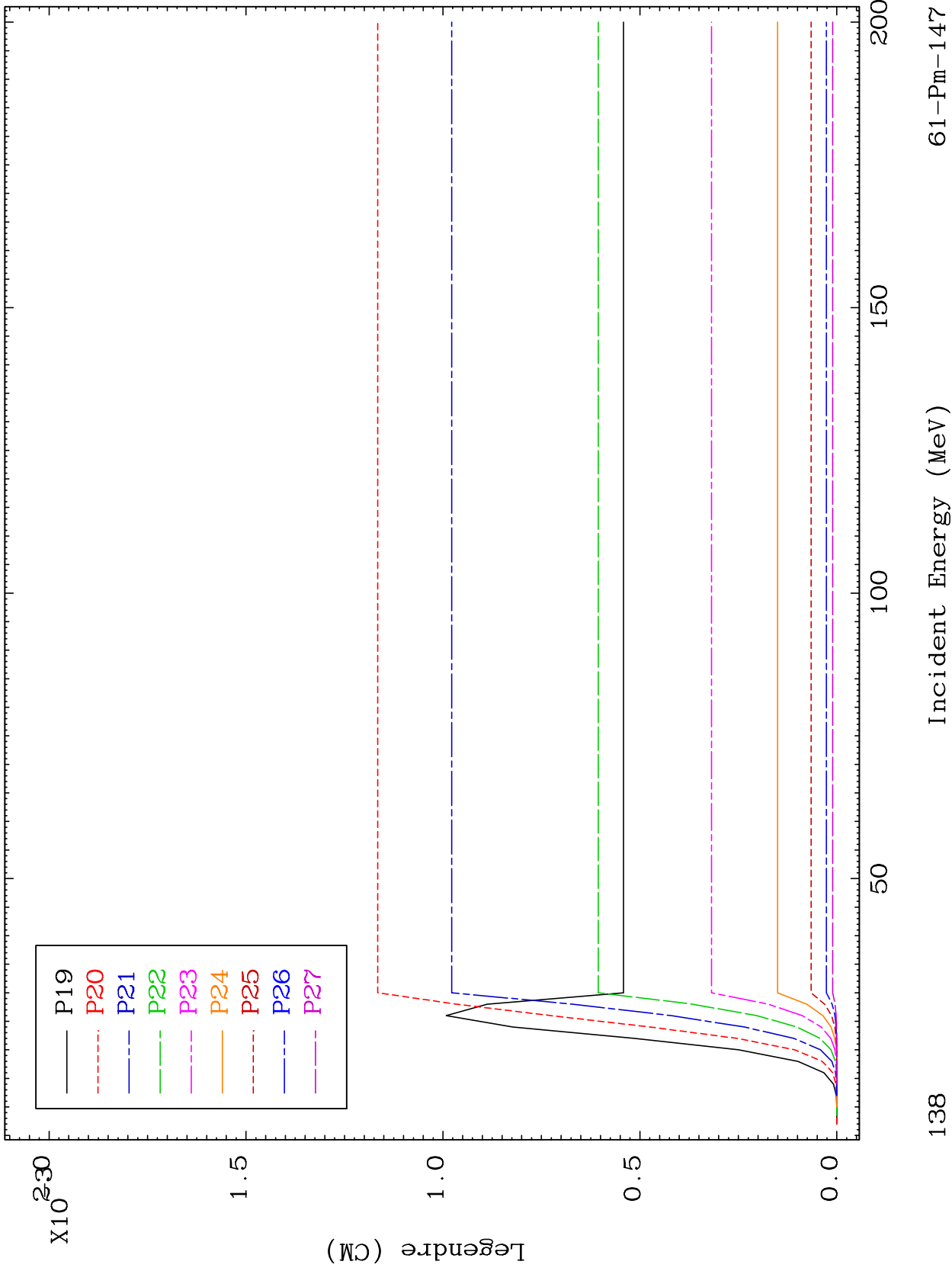
61-Pm-147

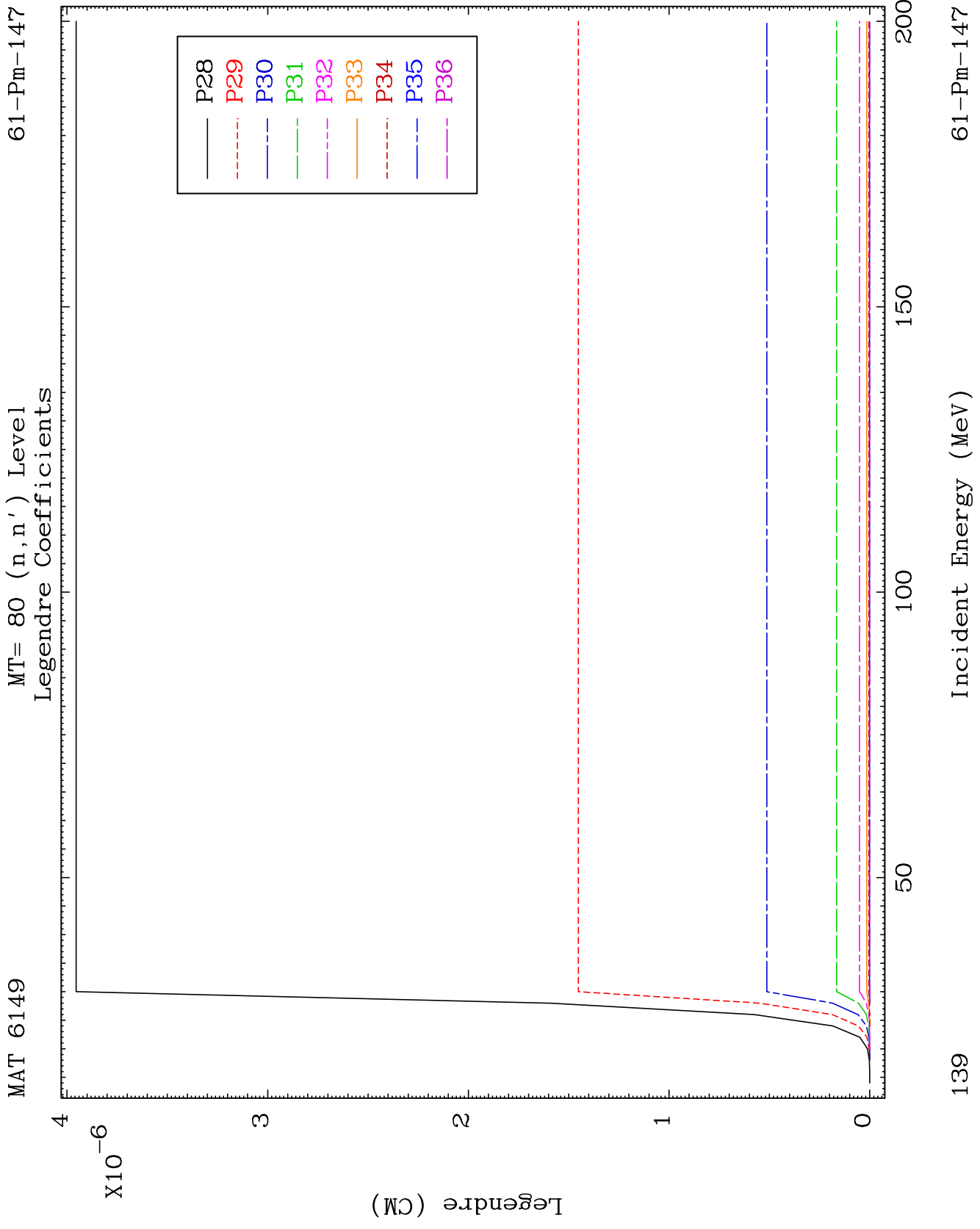


137

Incident Energy (MeV)

61-Pm-147



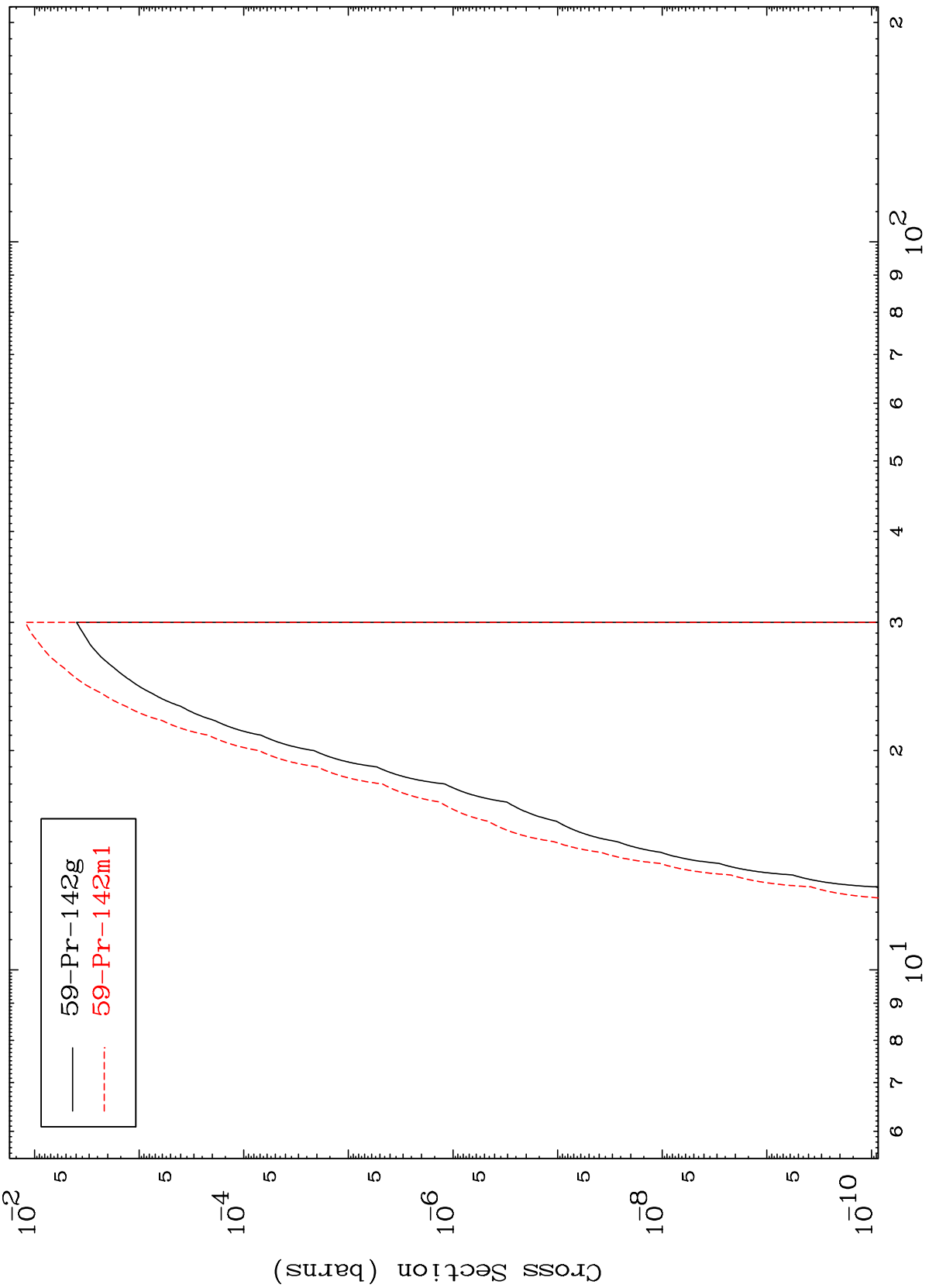


MAT 6149

$(n, 2n) \alpha$

61-Pm-147

Radionuclide Production Cross Section



140

Incident Energy (MeV)

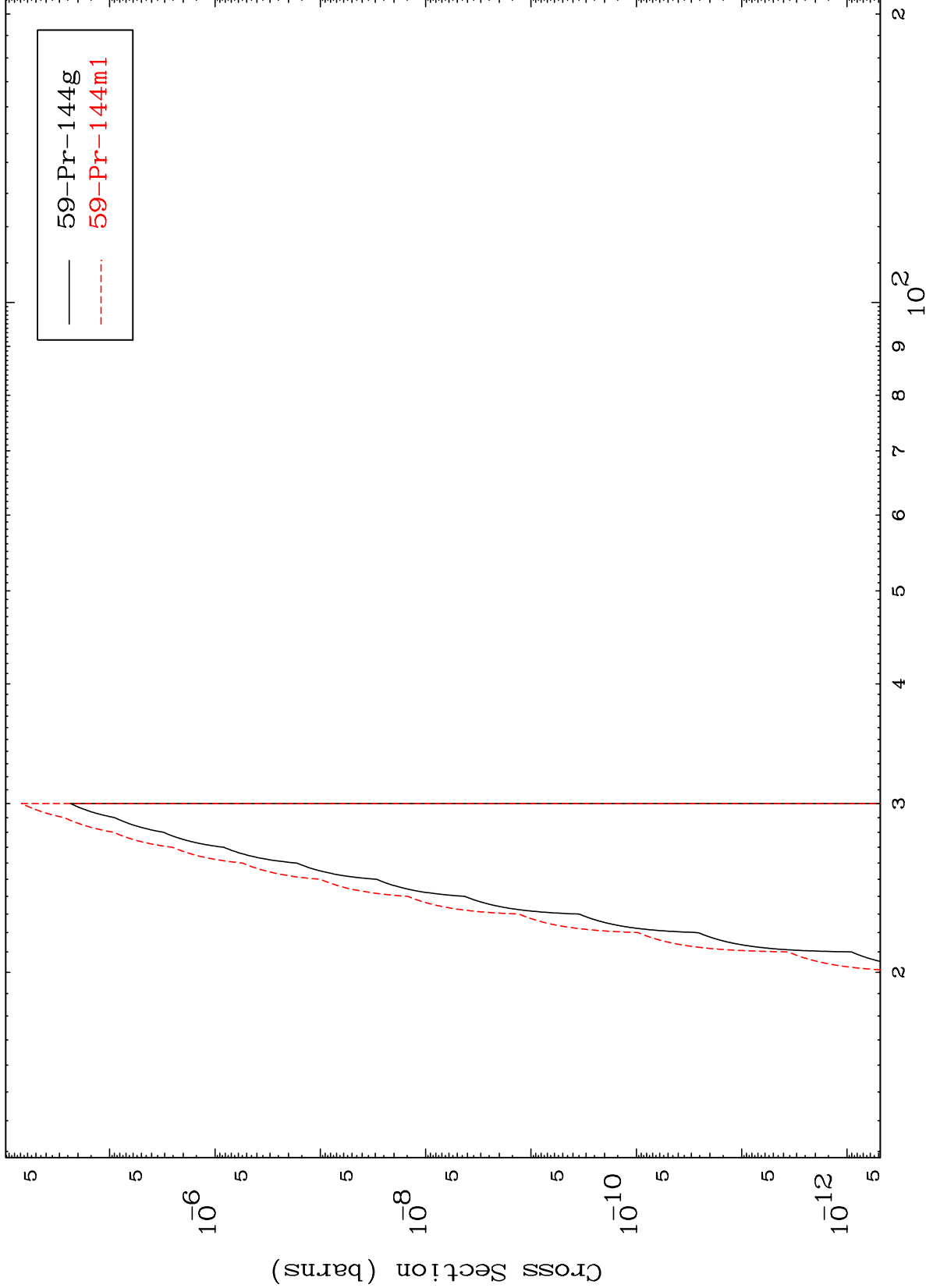
61-Pm-147

MAT 6149

(n,n') He-3

61-Pm-147

Radionuclide Production Cross Section



141

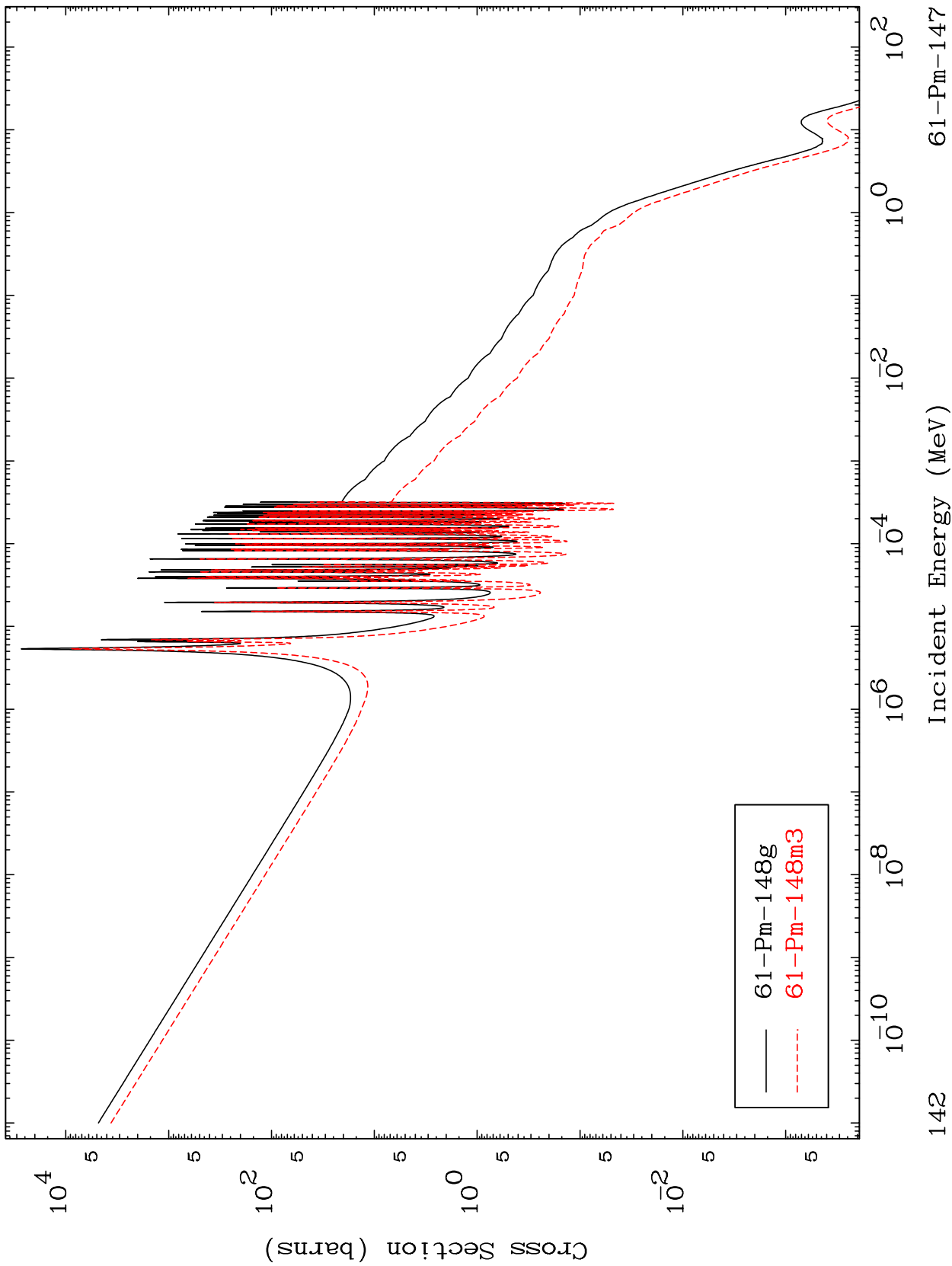
Incident Energy (MeV)

61-Pm-147

MAT 6149

61-Pm-147

(n,  $\gamma$ )  
Radionuclide Production Cross Section



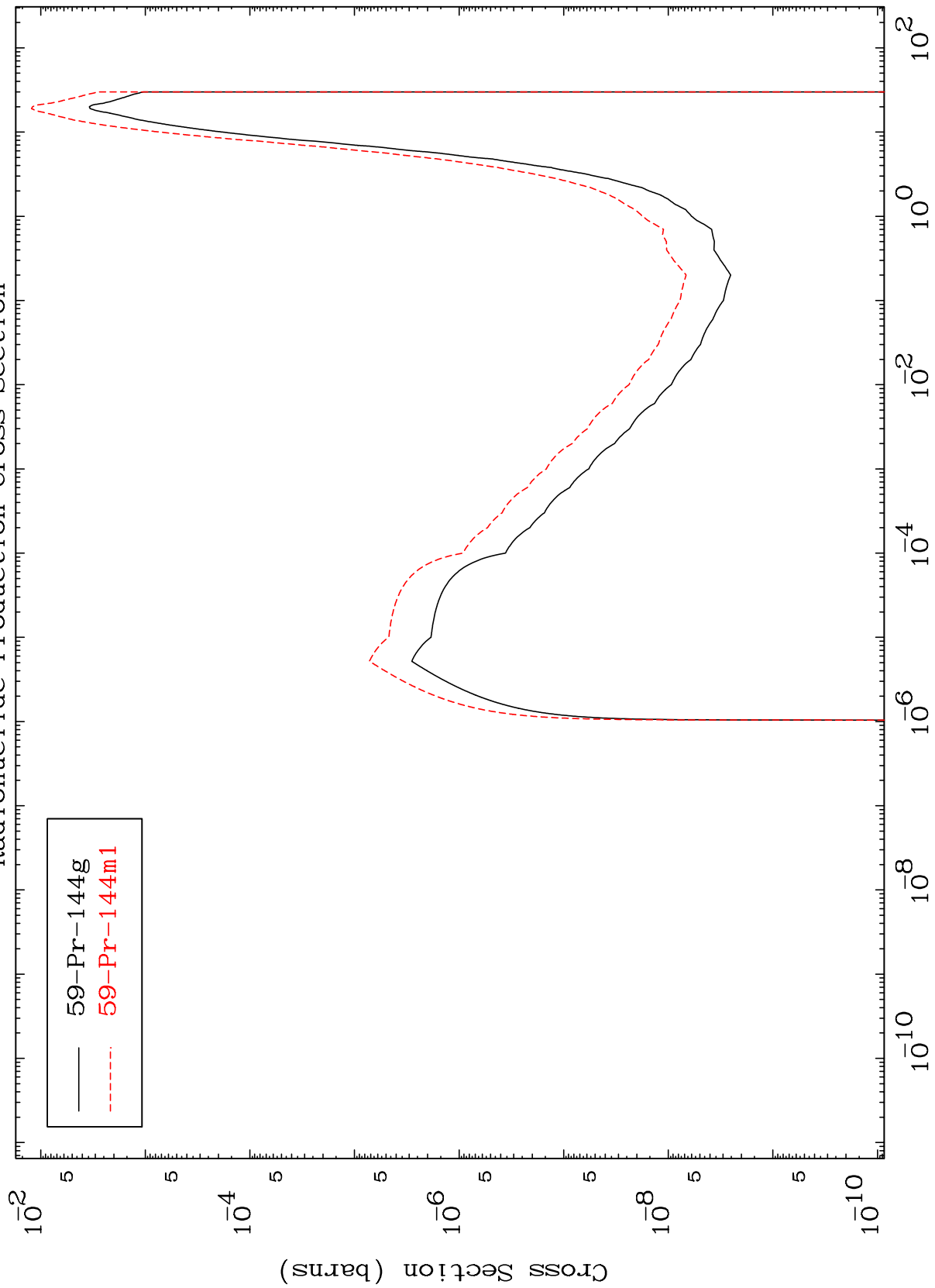
142

61-Pm-147

MAT 6149

61-Pm-147

Radionuclide Production Cross Section



61-Pm-147

Incident Energy (MeV)

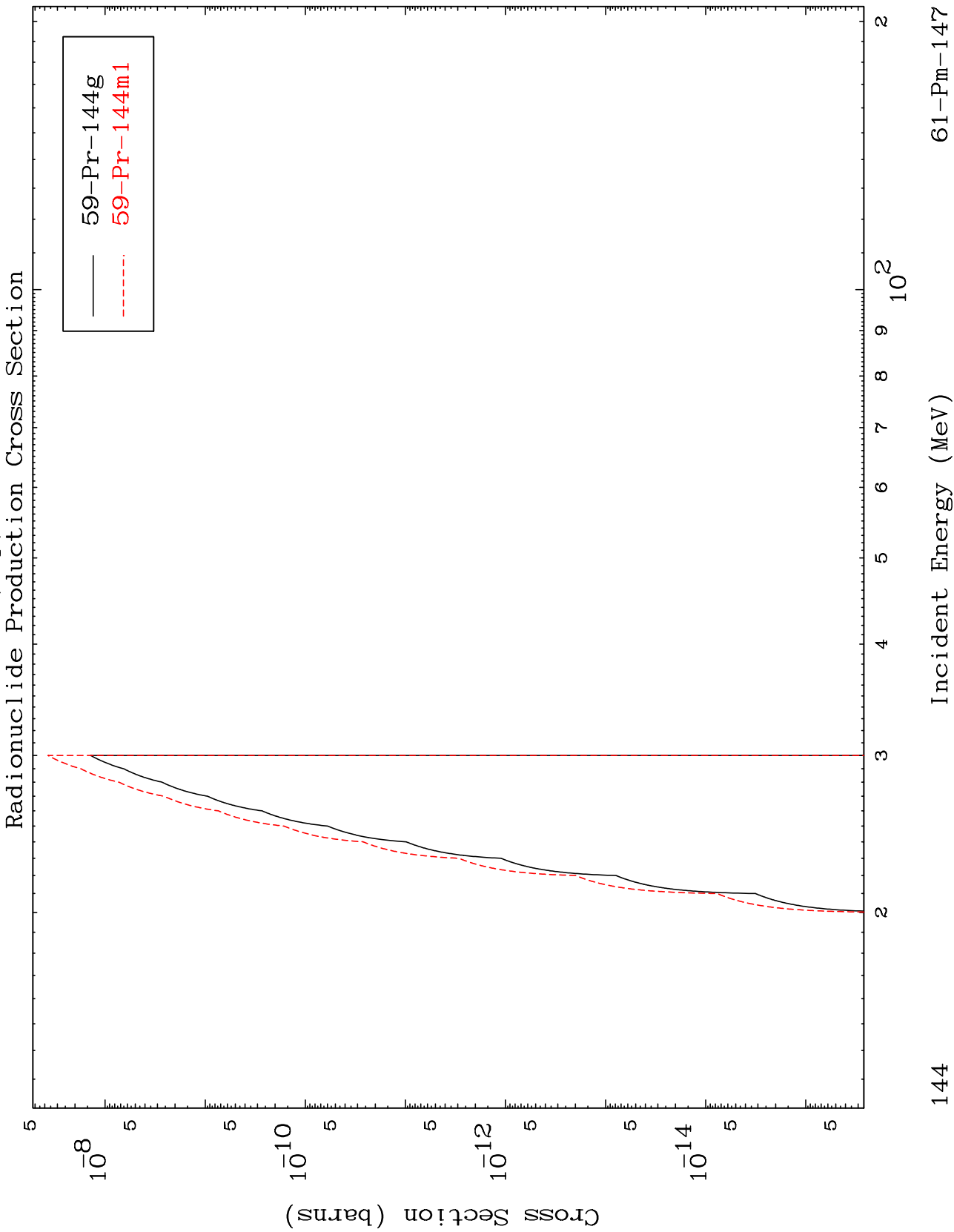
143



MAT 6149

(n,p) t

61-Pm-147



144

Incident Energy (MeV)

61-Pm-147