

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

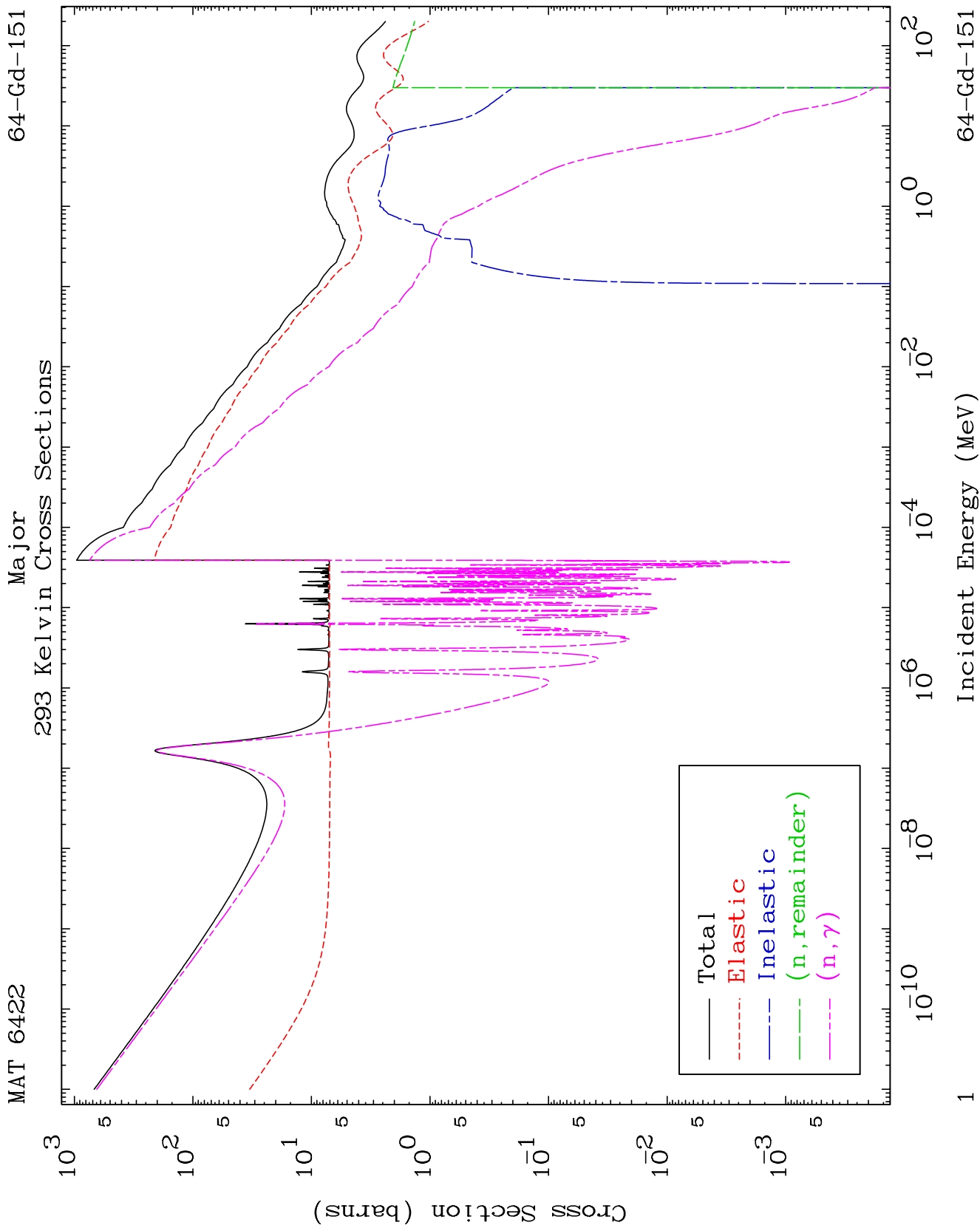
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

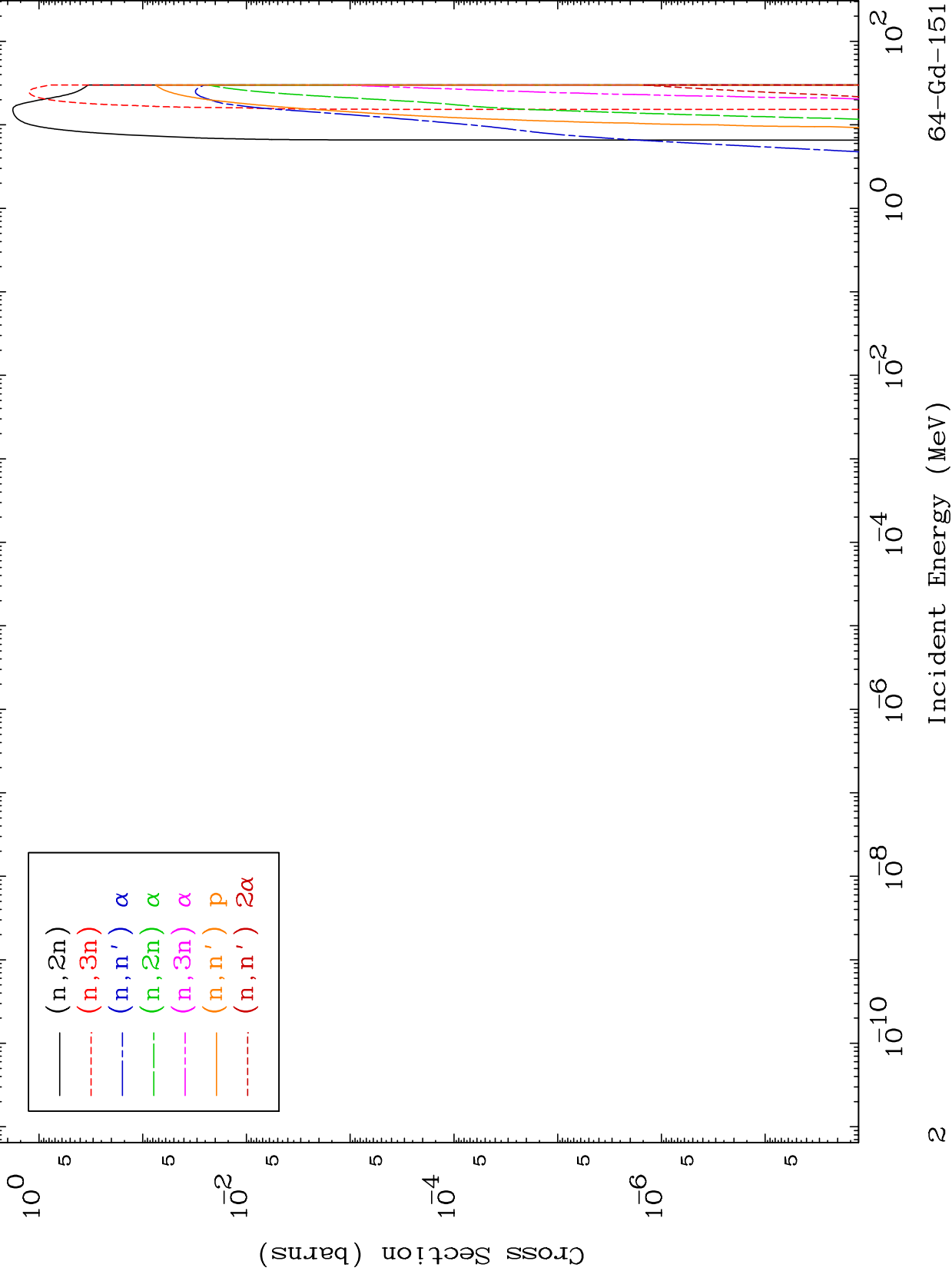
Press Mouse Button to Start

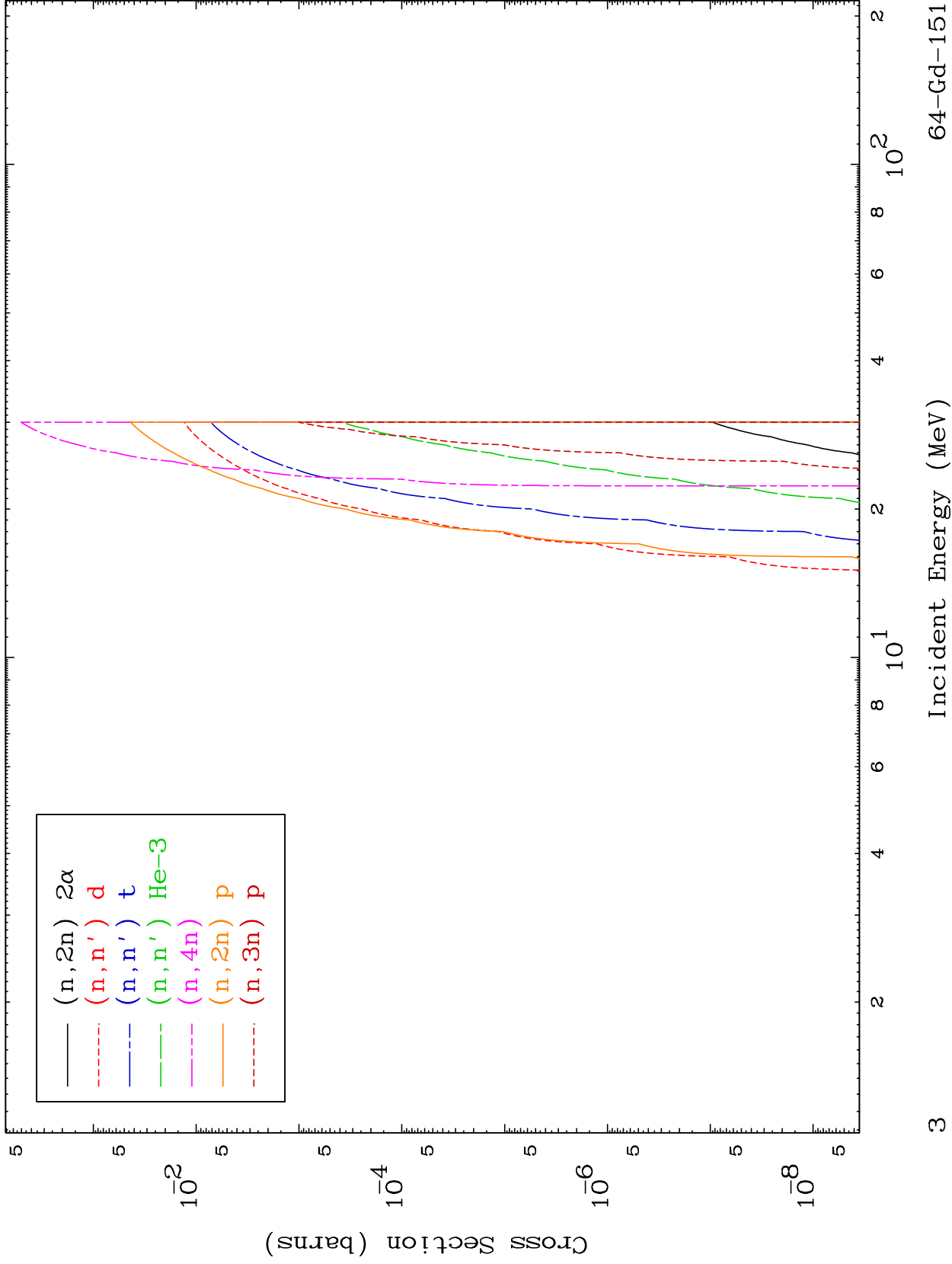


MAT 6422

Neutron Production
293 Kelvin Cross Sections

64-Gd-151

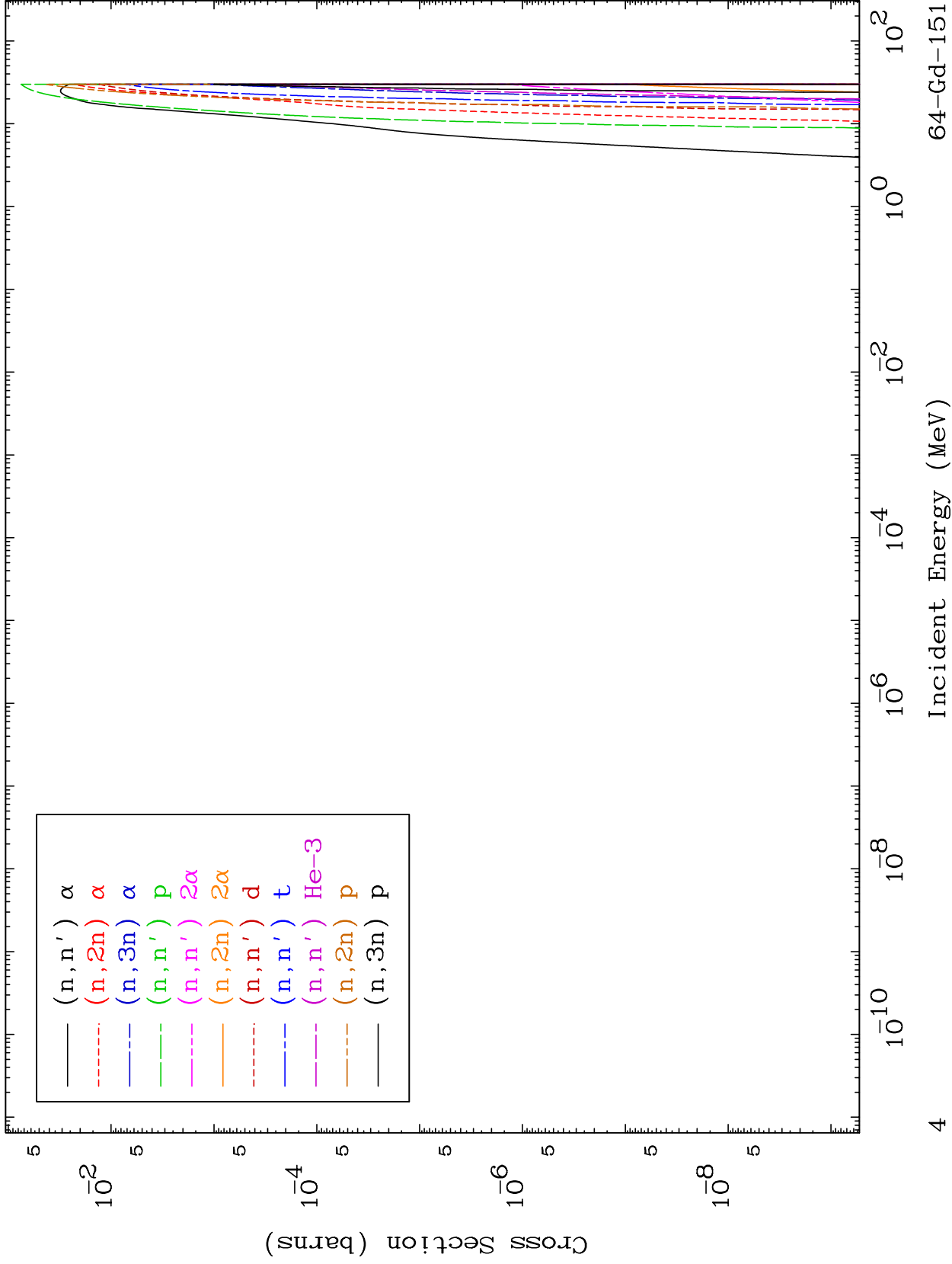




MAT 6422

Charged Particle
293 Kelvin Cross Sections

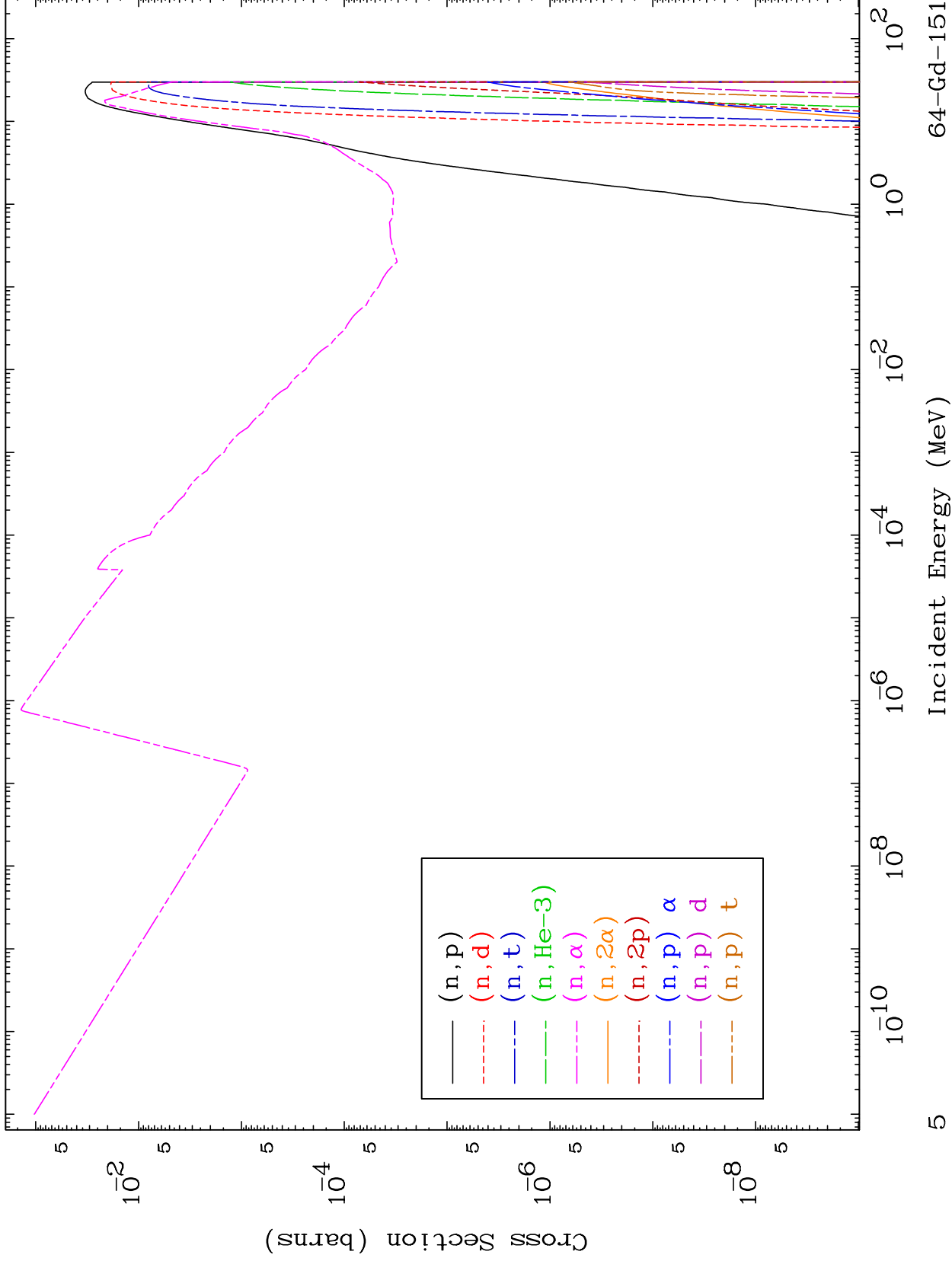
64-Gd-151



MAT 6422

Charged Particle
293 Kelvin Cross Sections

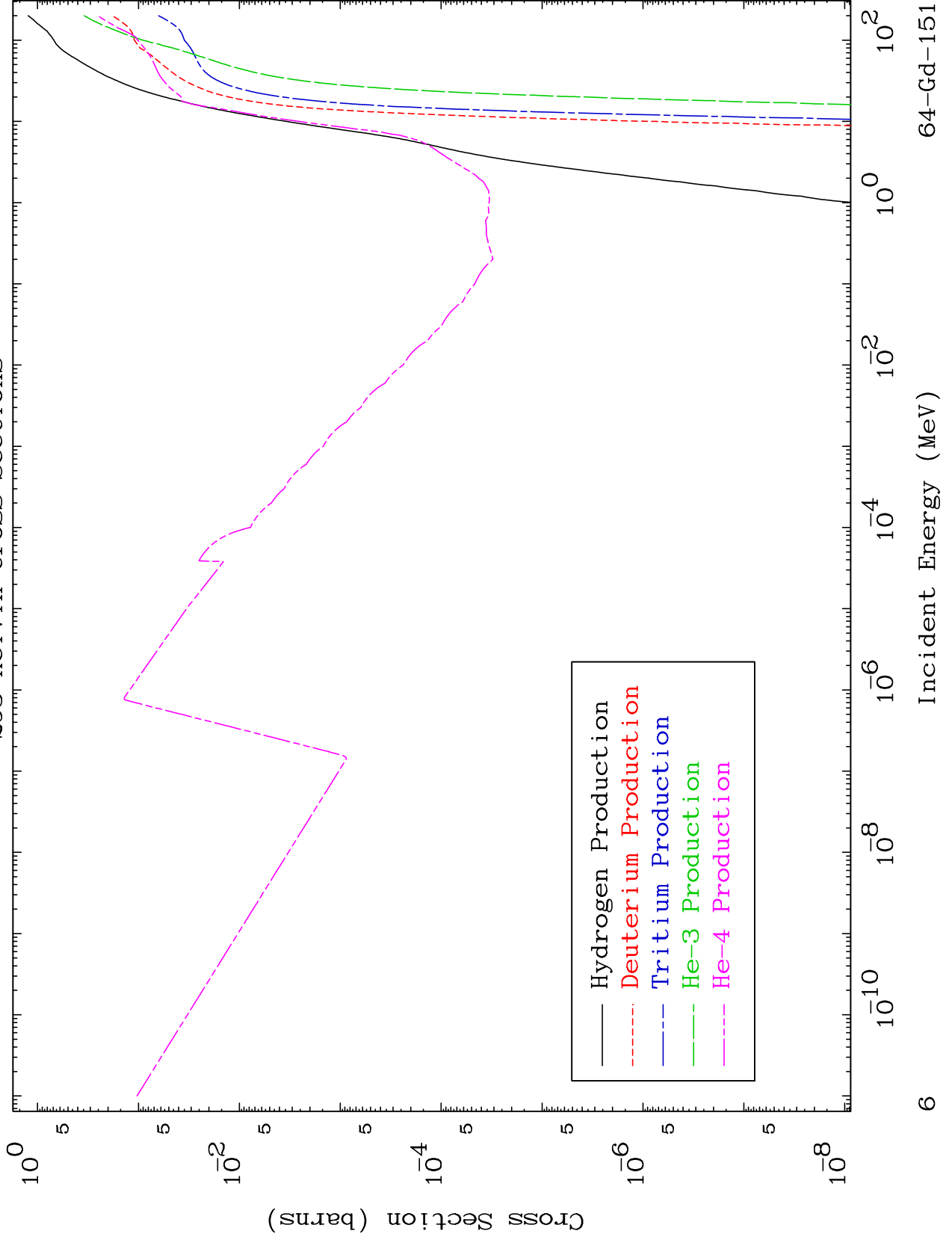
64-Gd-151



5

Incident Energy (MeV)

64-Gd-151

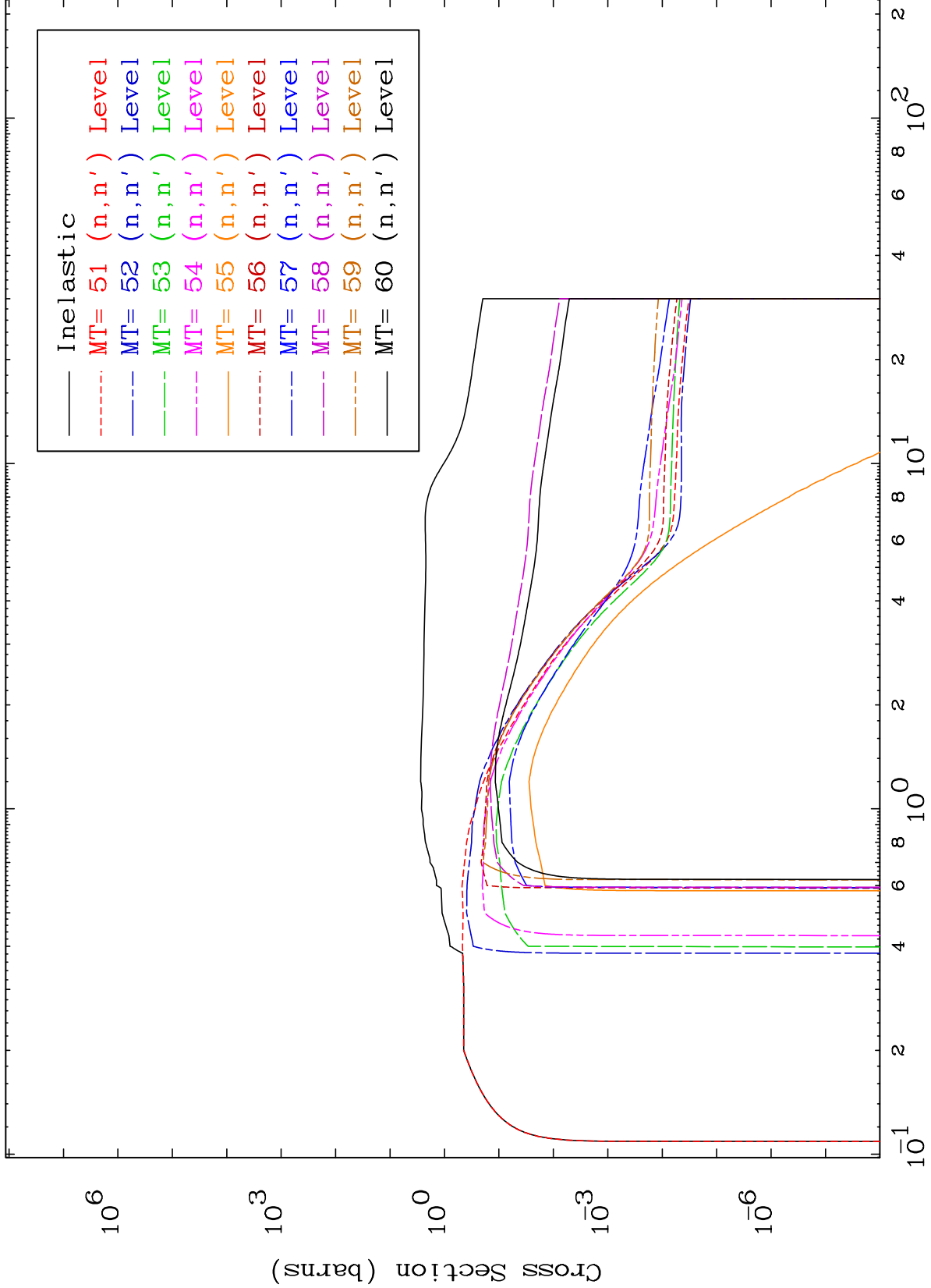


MAT 6422

(n,n') Level

64-Gd-151

293 Kelvin Cross Sections



Incident Energy (MeV)

64-Gd-151

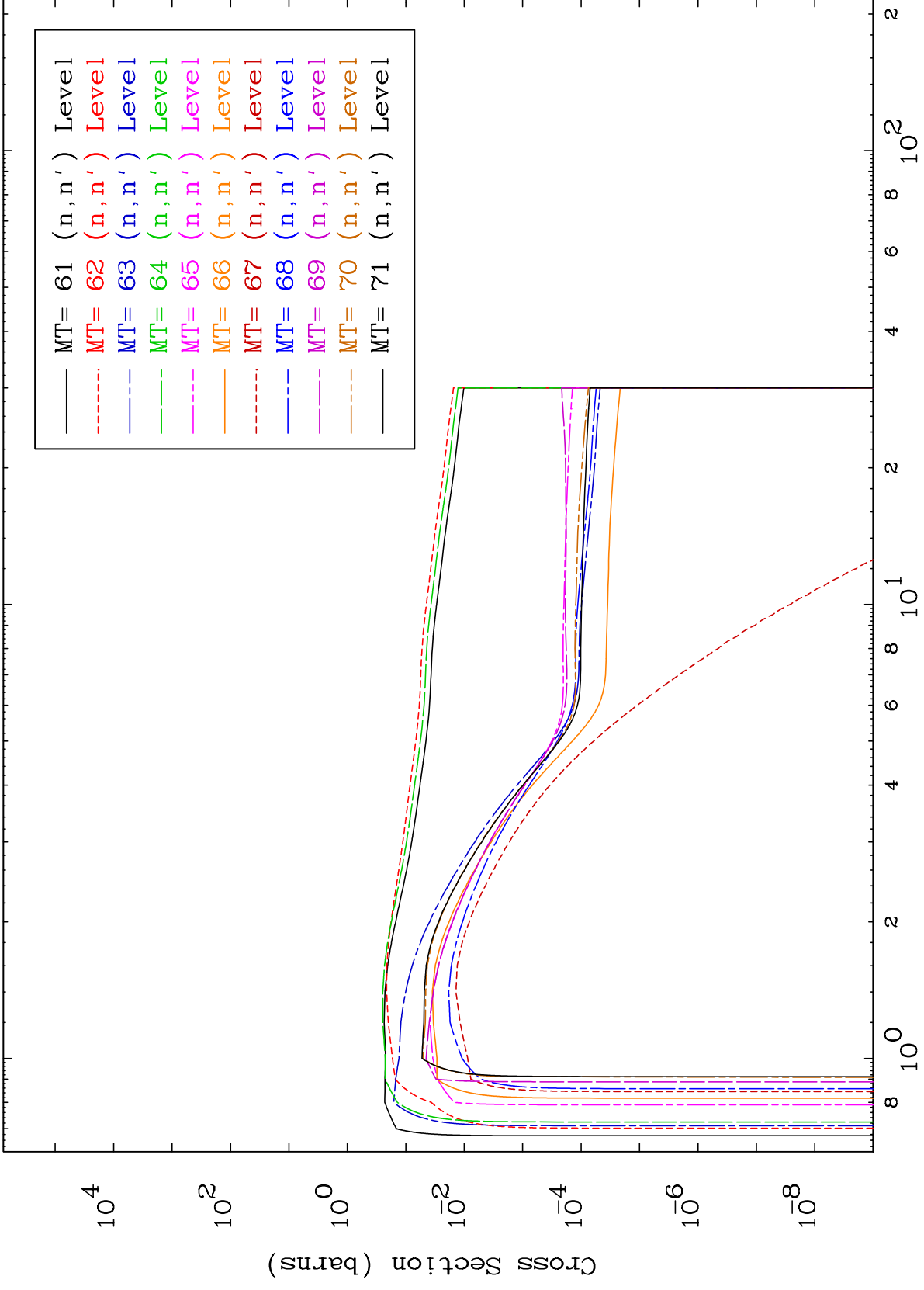
7

MAT 6422

(n,n') Level

64-Gd-151

293 Kelvin Cross Sections

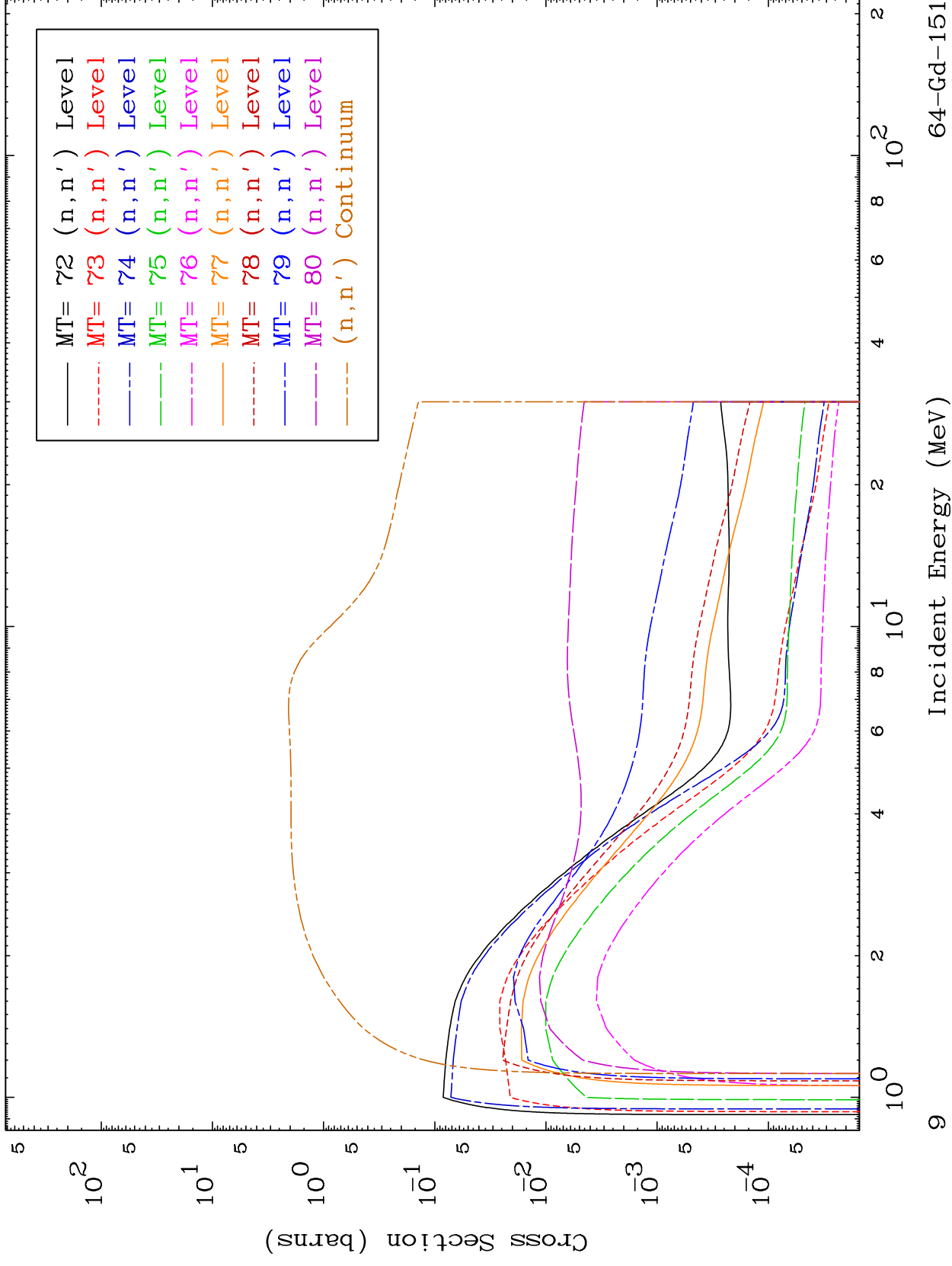


8

Incident Energy (MeV)

64-Gd-151

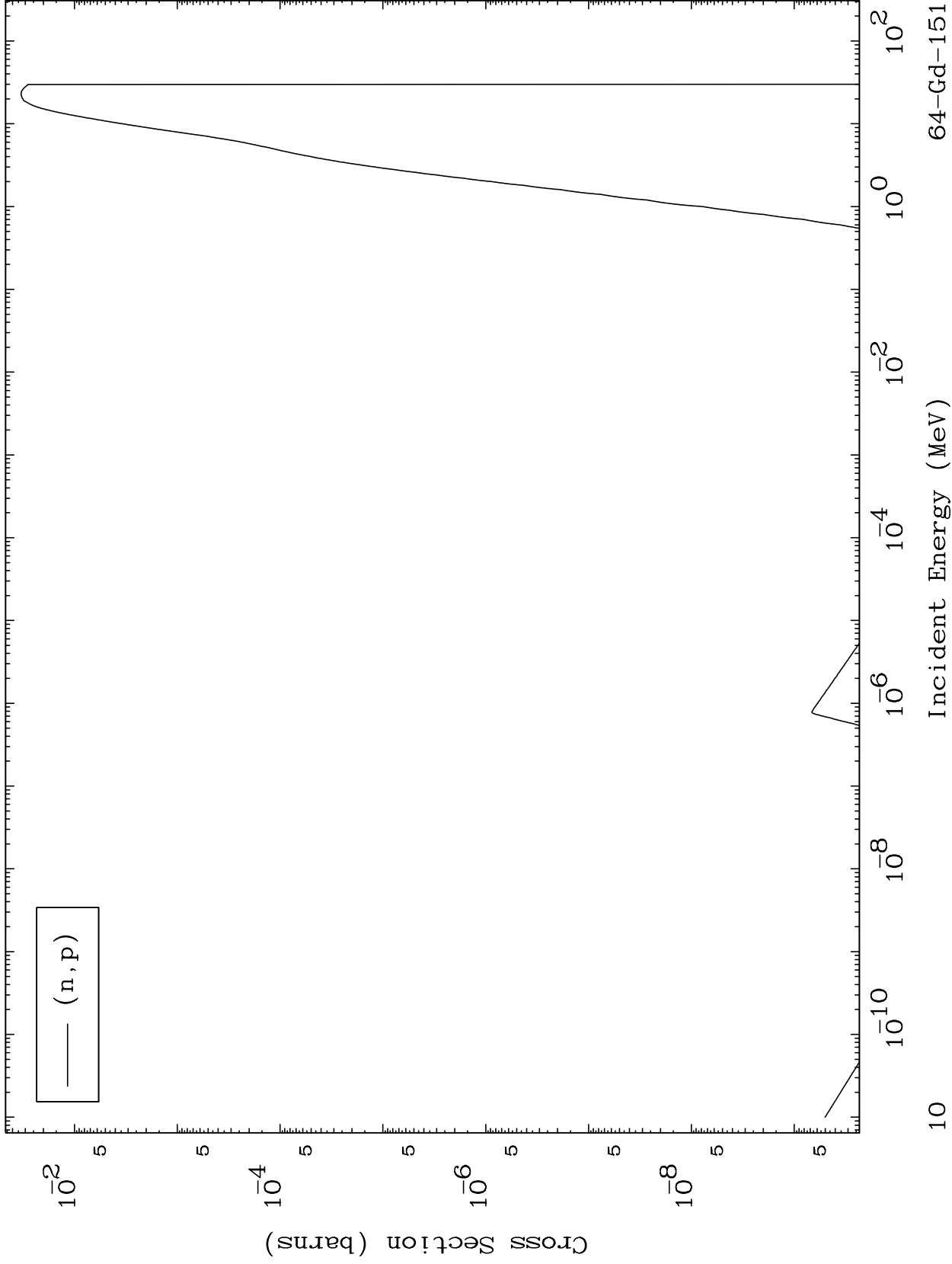
293 Kelvin Cross Sections



MAT 6422

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-151



10

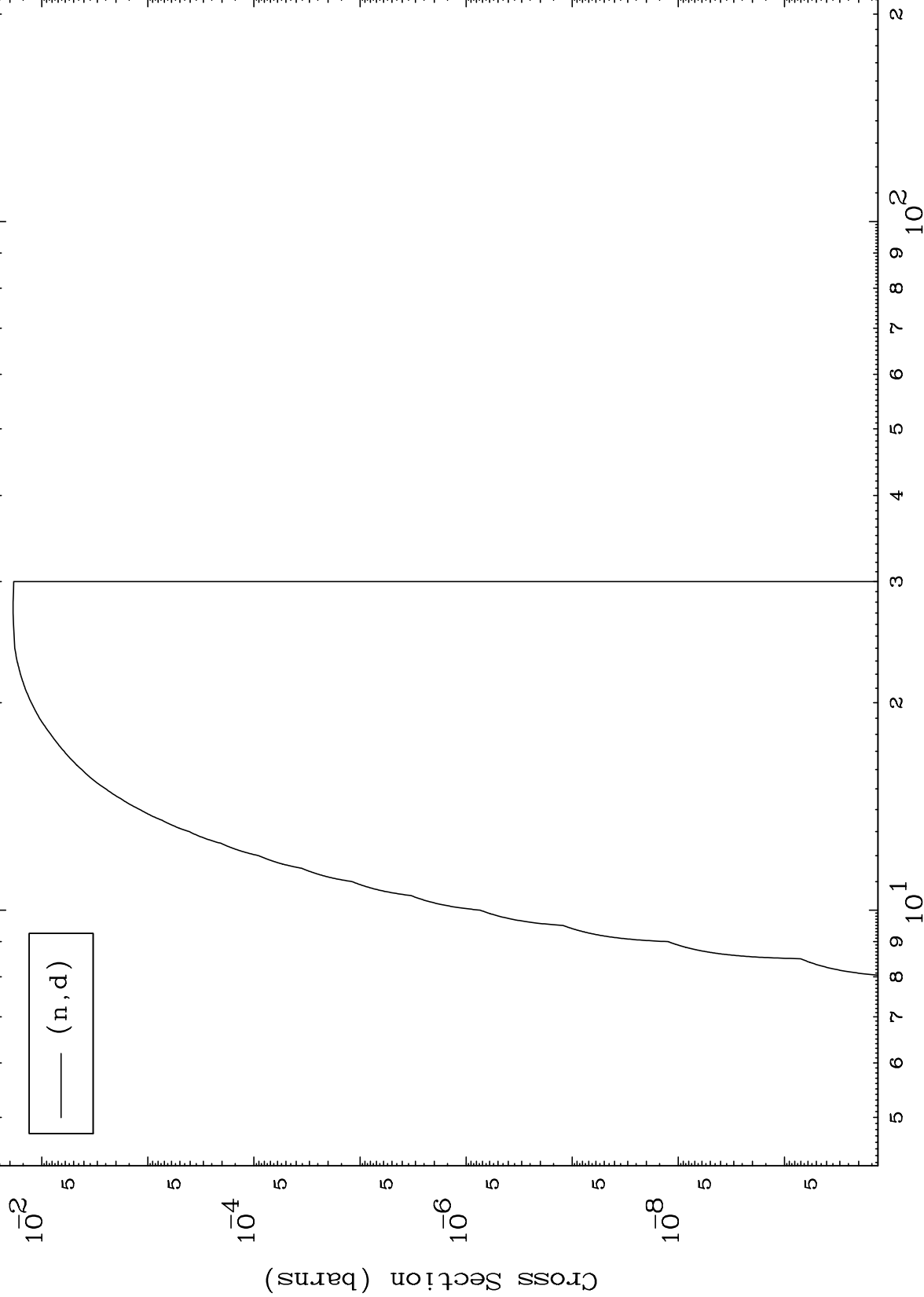
Incident Energy (MeV)

64-Gd-151

MAT 6422

(n,d) Levels
293 Kelvin Cross Sections

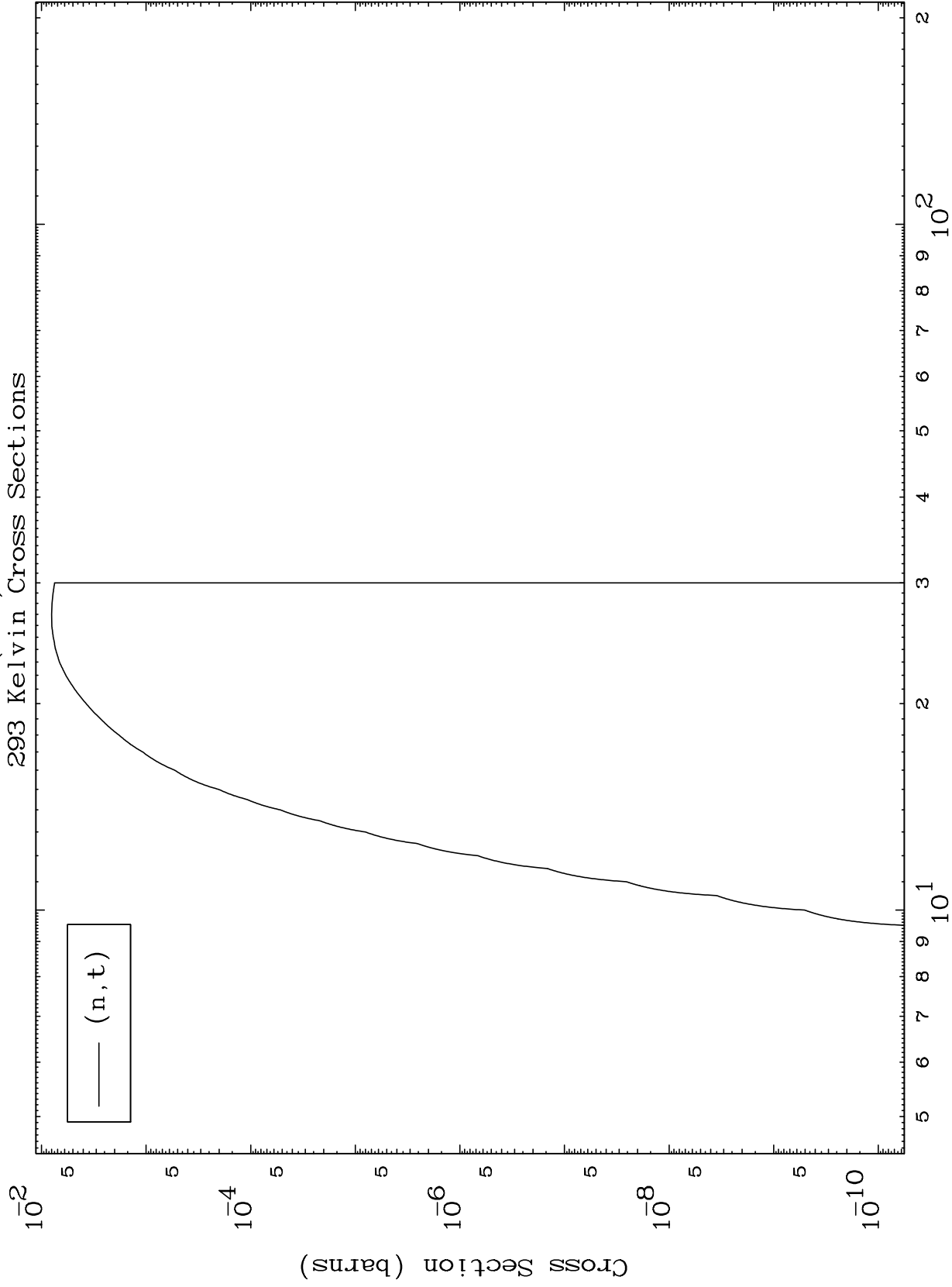
64-Gd-151



MAT 6422

64-Gd-151

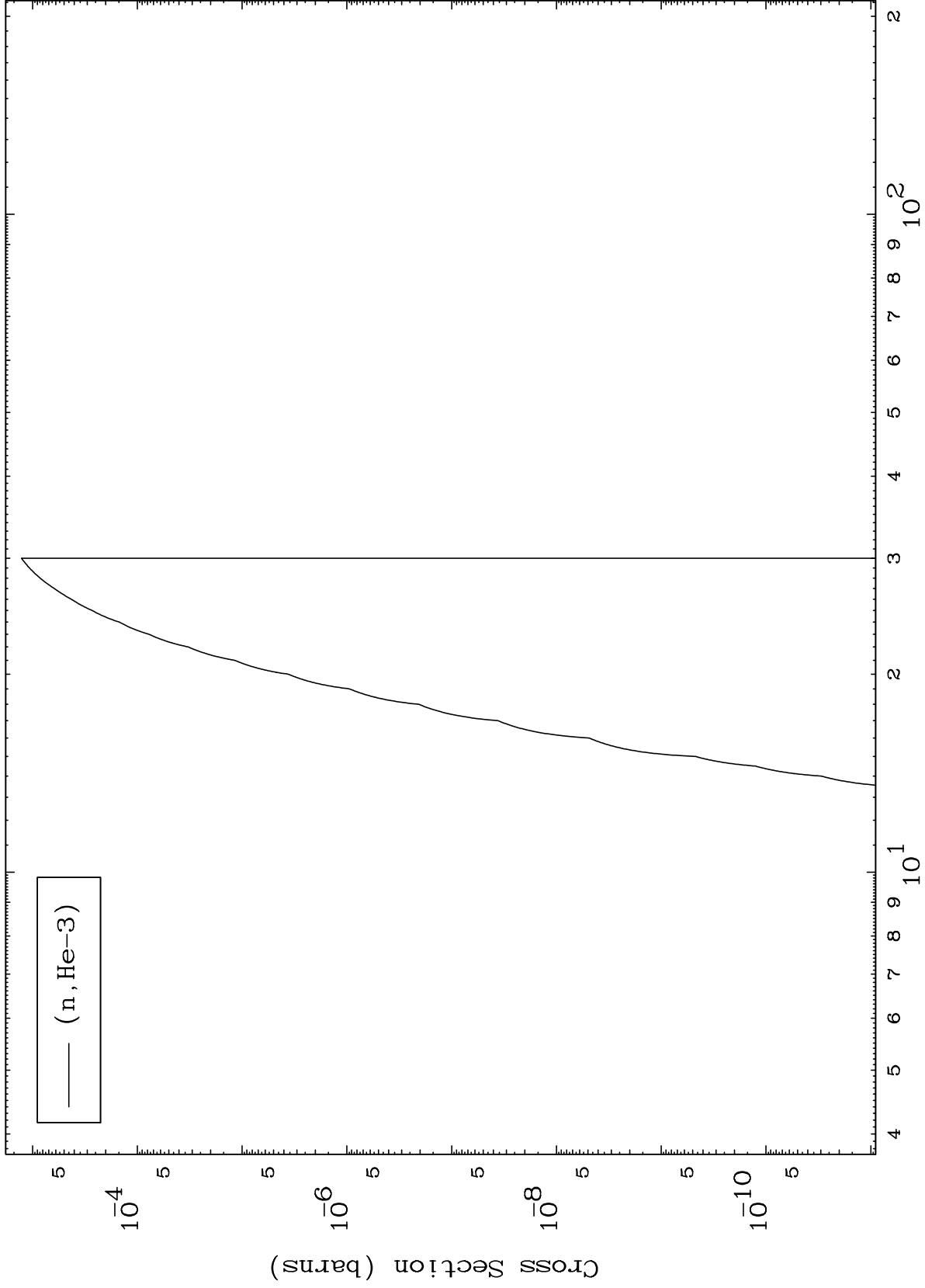
(n,t) Levels
293 Kelvin Cross Sections



64-Gd-151

Incident Energy (MeV)

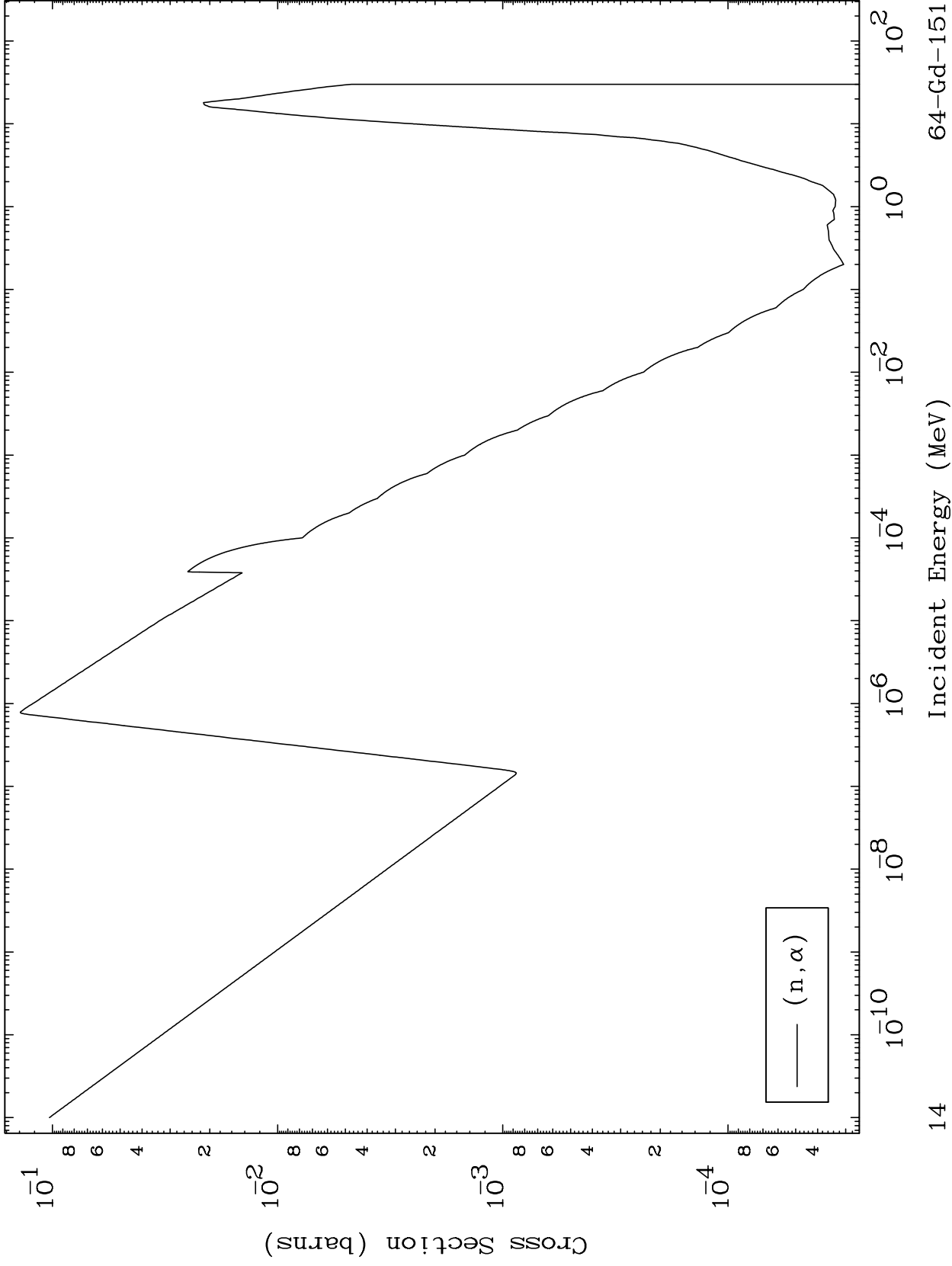
12



MAT 6422

(n, α) Levels
293 Kelvin Cross Sections

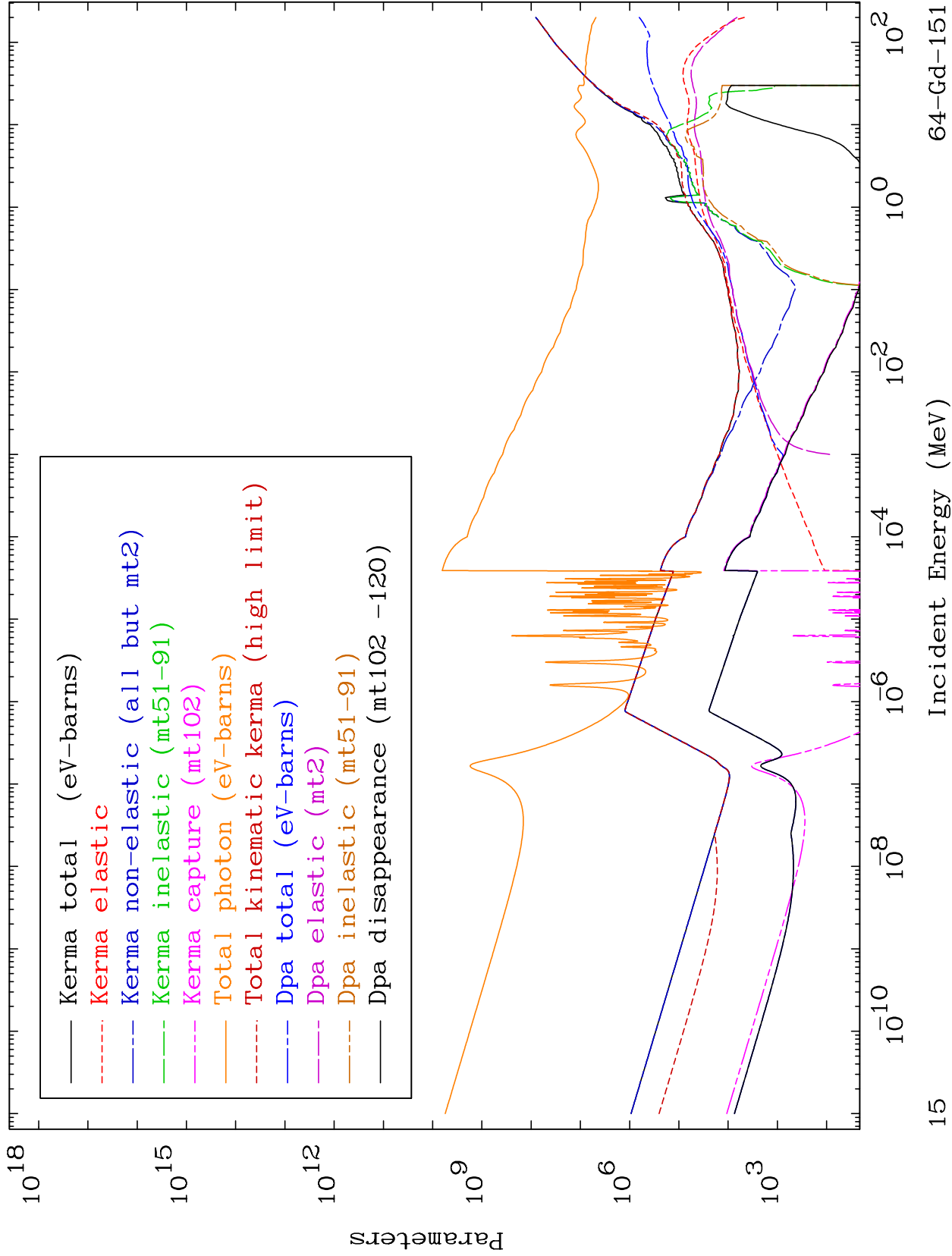
64-Gd-151



14

Incident Energy (MeV)

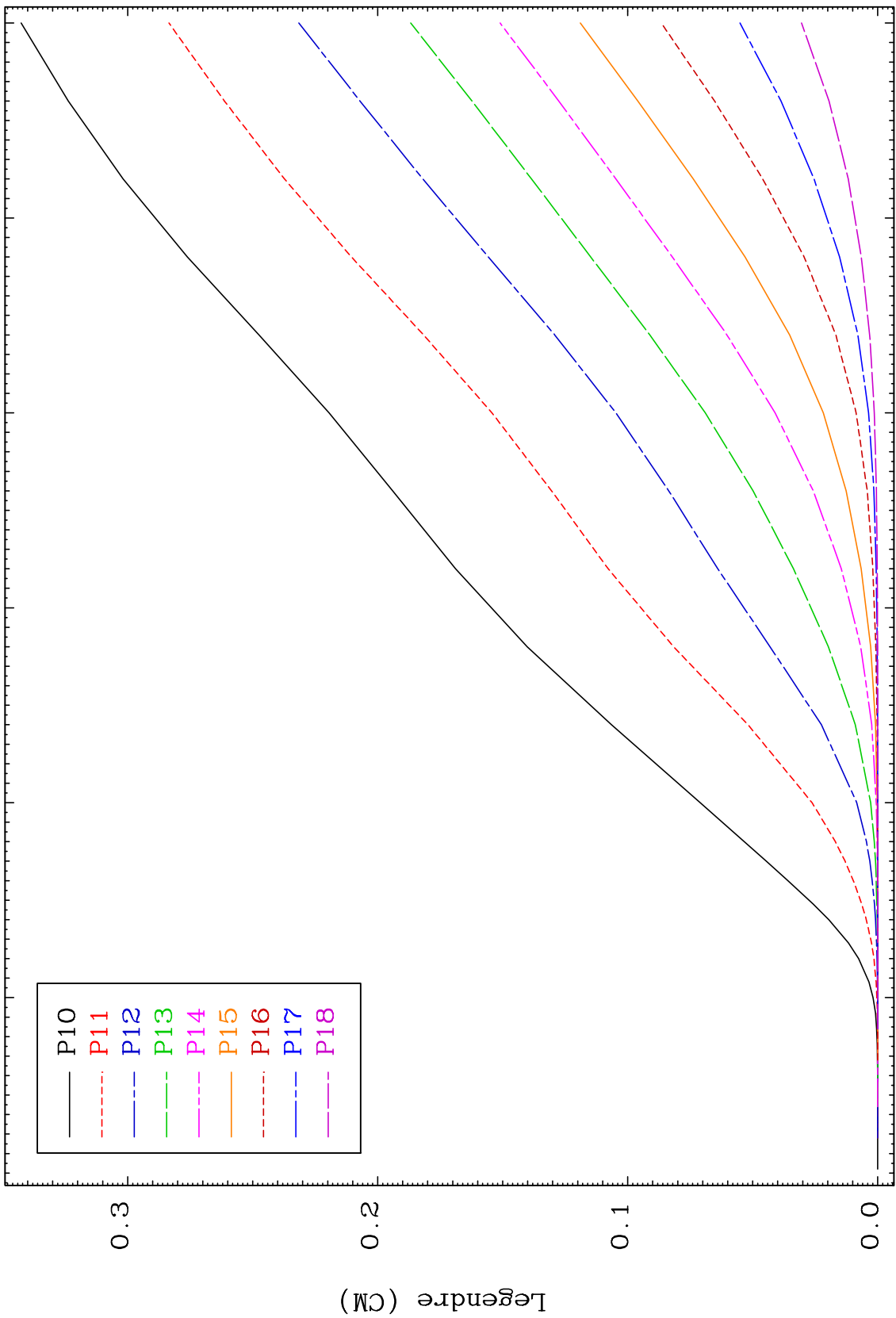
64-Gd-151



MAT 6422

Elastic Legendre Coefficients

64-Gd-151



17

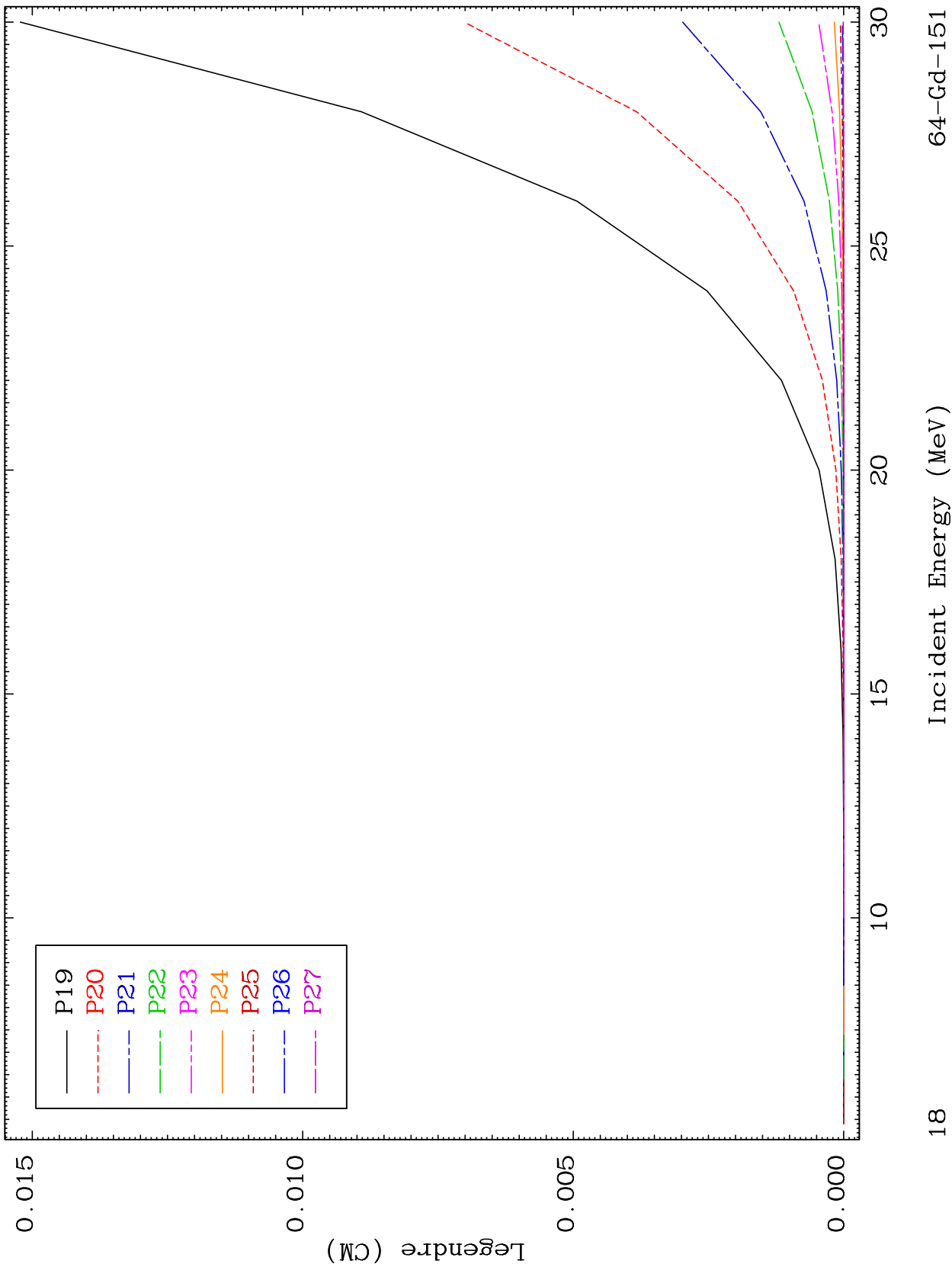
64-Gd-151

Incident Energy (MeV)

MAT 6422

Elastic
Legendre Coefficients

64-Gd-151



18

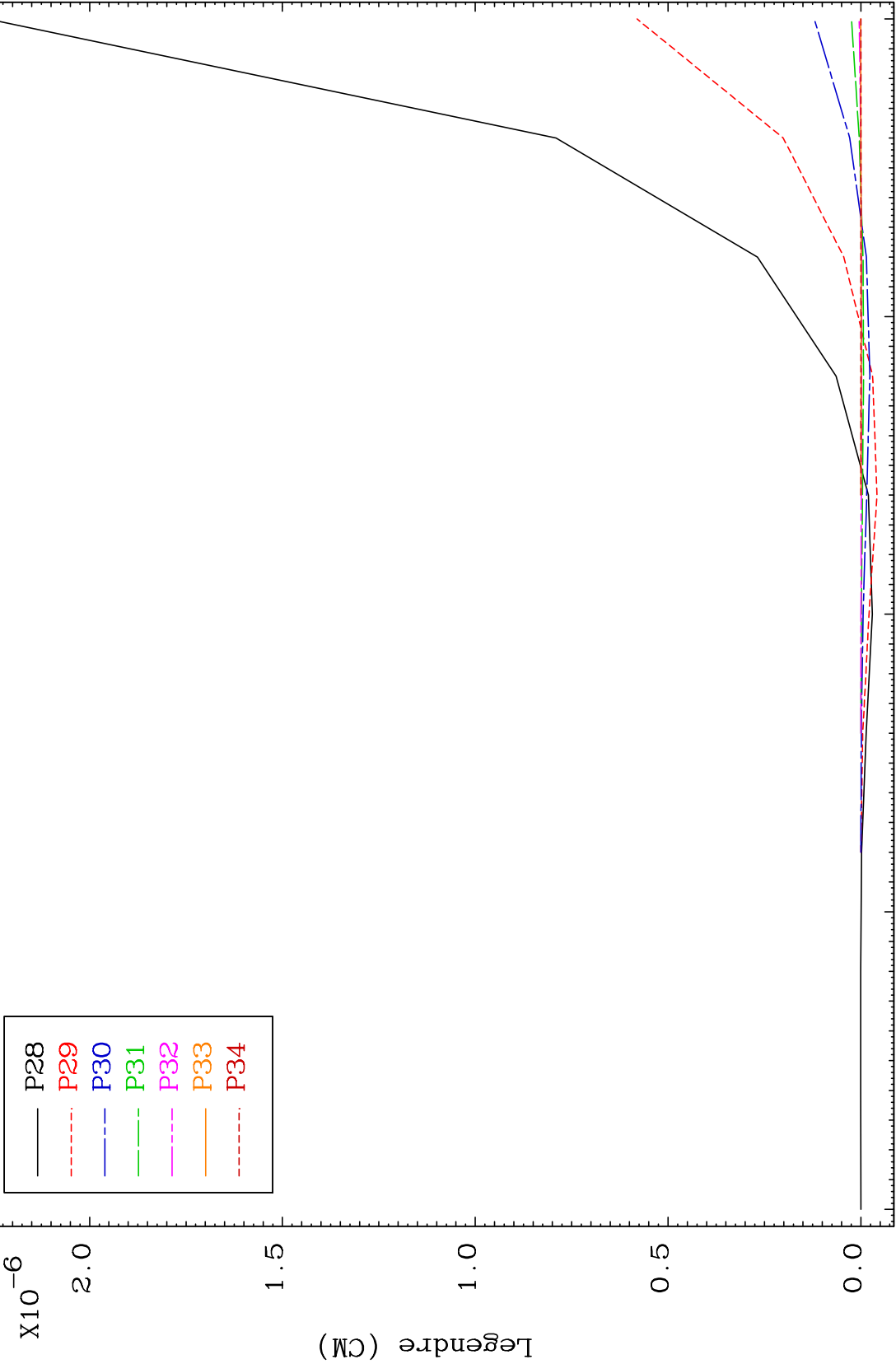
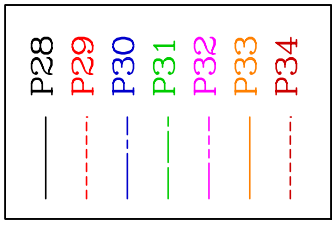
Incident Energy (MeV)

64-Gd-151

MAT 6422

Elastic
Legendre Coefficients

64-Gd-151



64-Gd-151

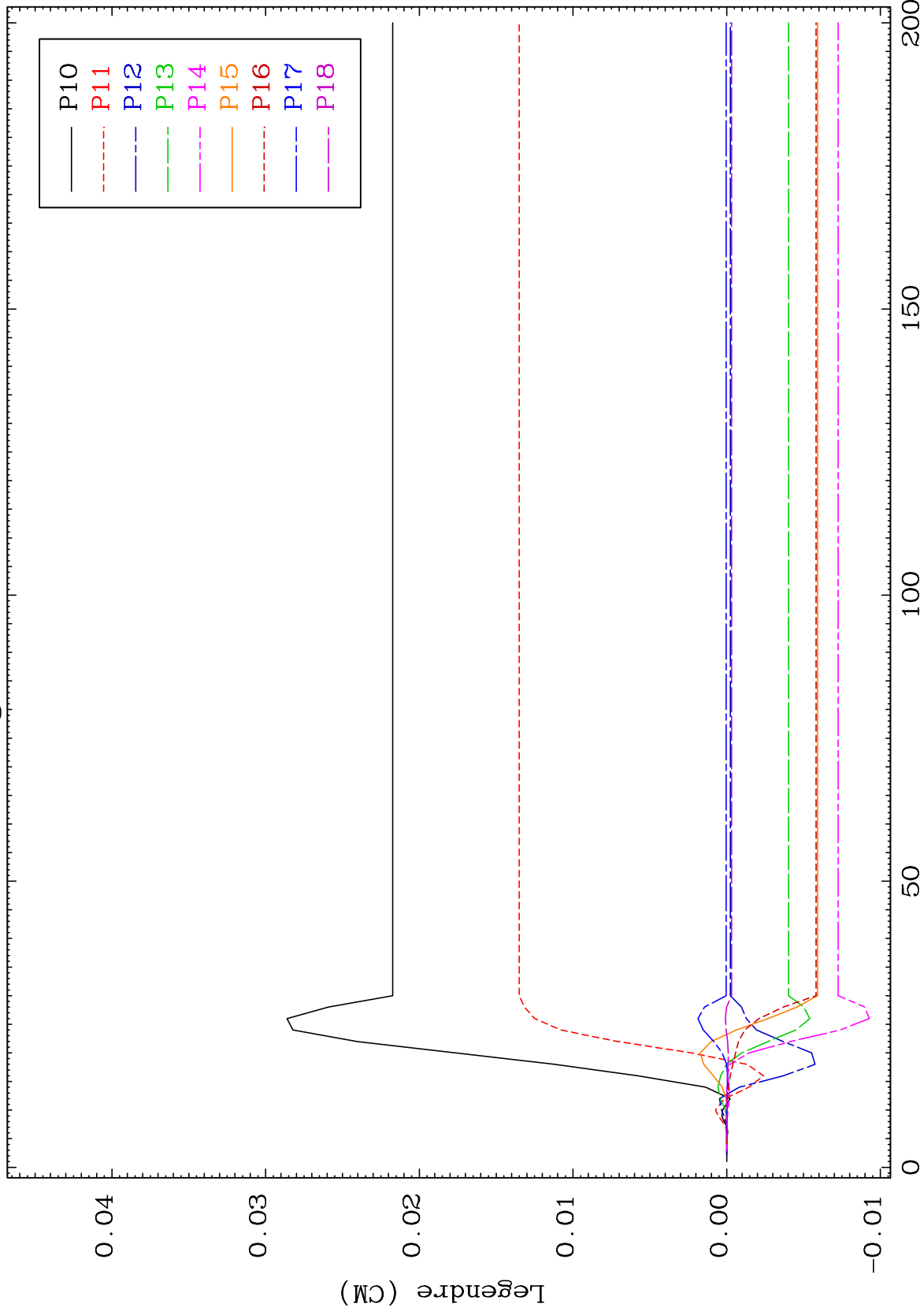
Incident Energy (MeV)

19

MAT 6422

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

64-Gd-151



21

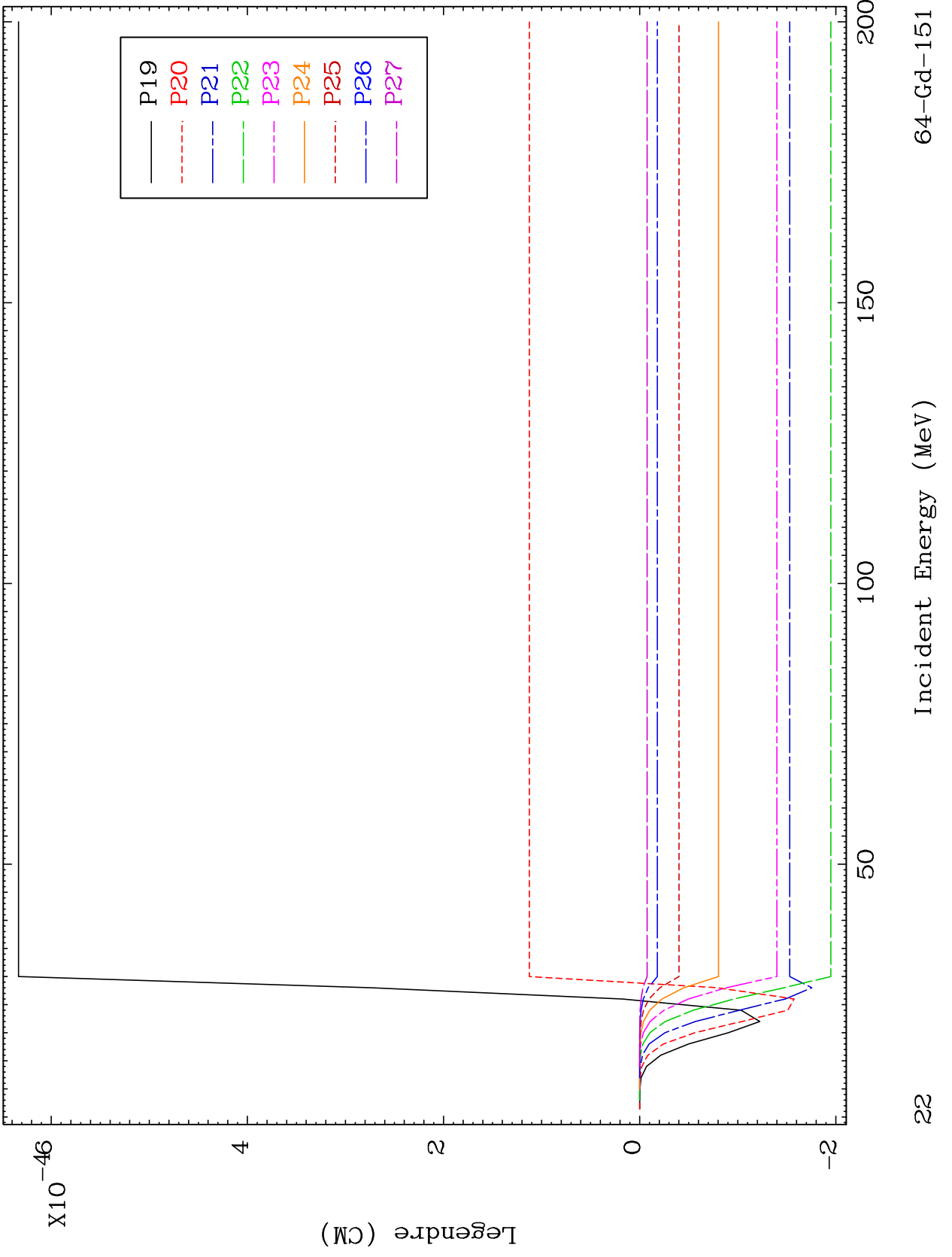
Incident Energy (MeV)

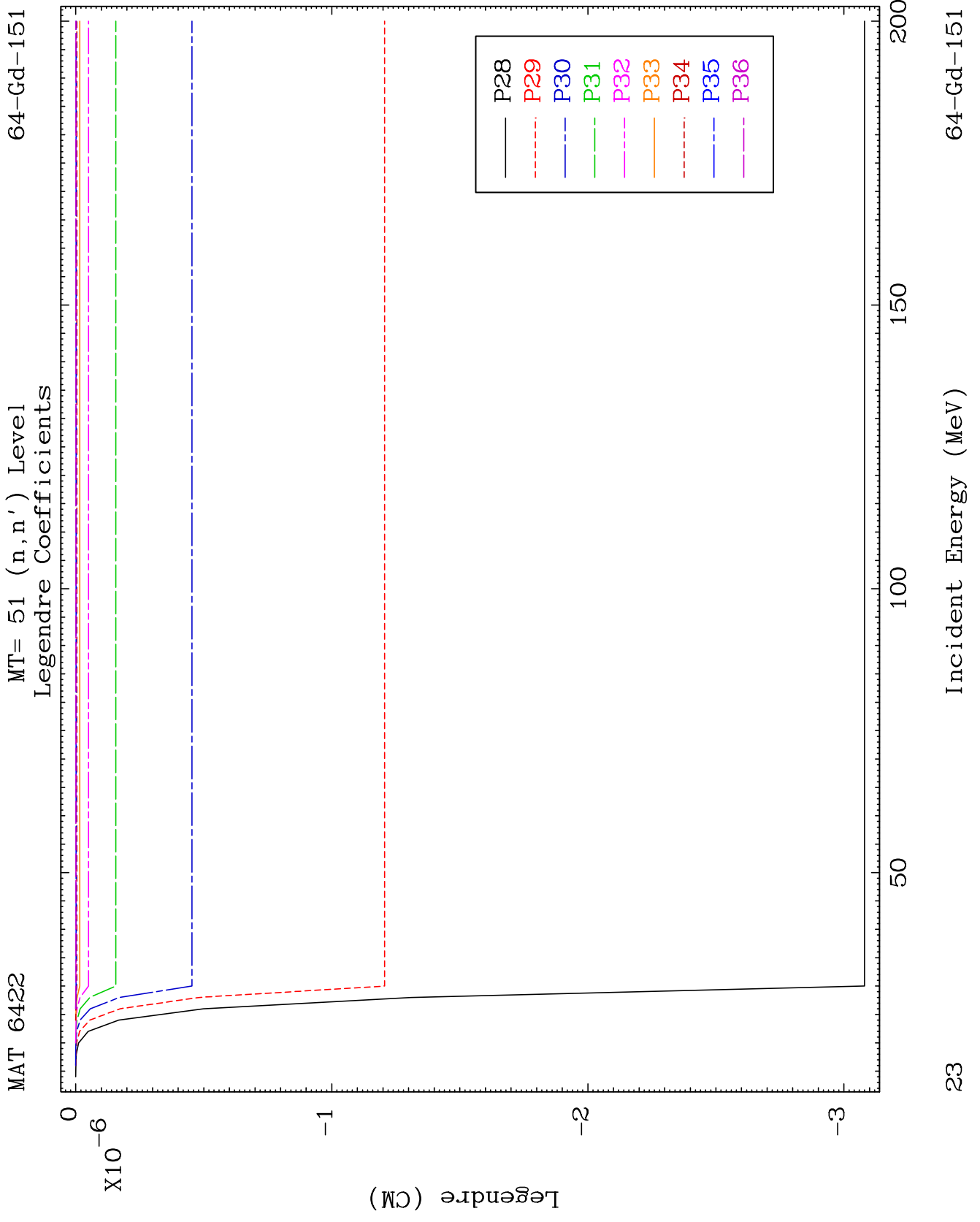
64-Gd-151

MAT 6422

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

64-Gd-151

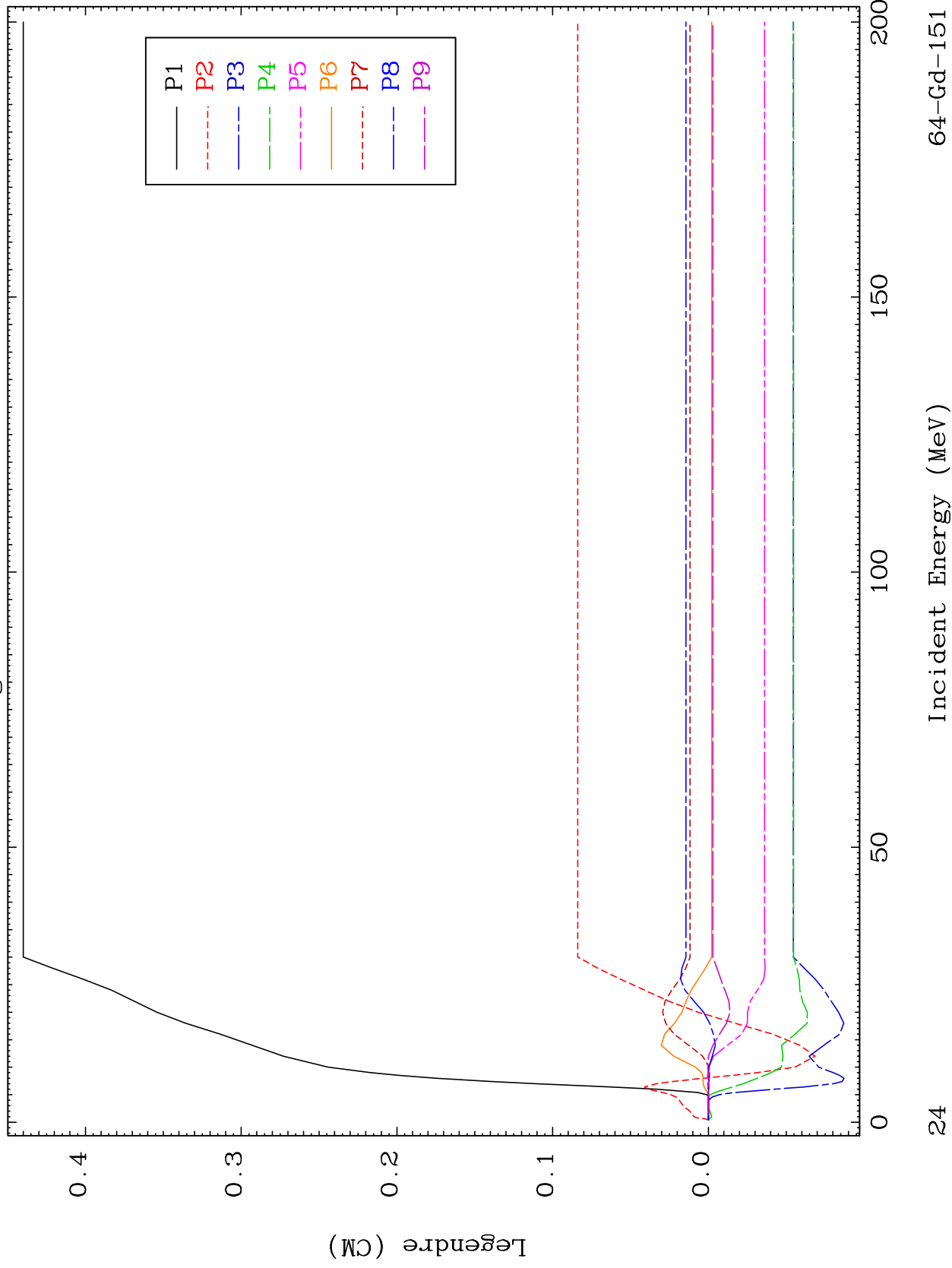




MAT 6422

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

64-Gd-151



64-Gd-151

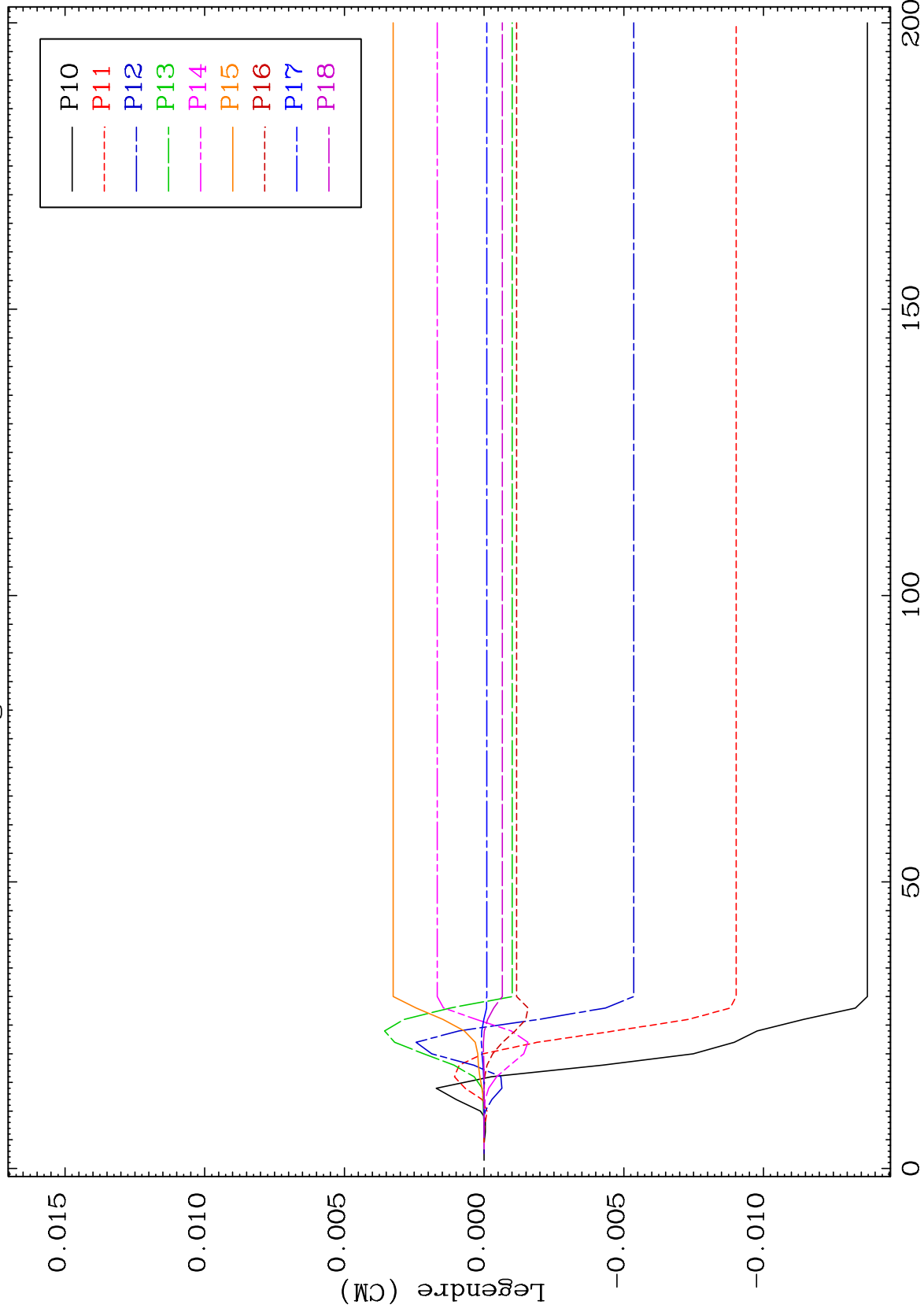
Incident Energy (MeV)

24

MAT 6422

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

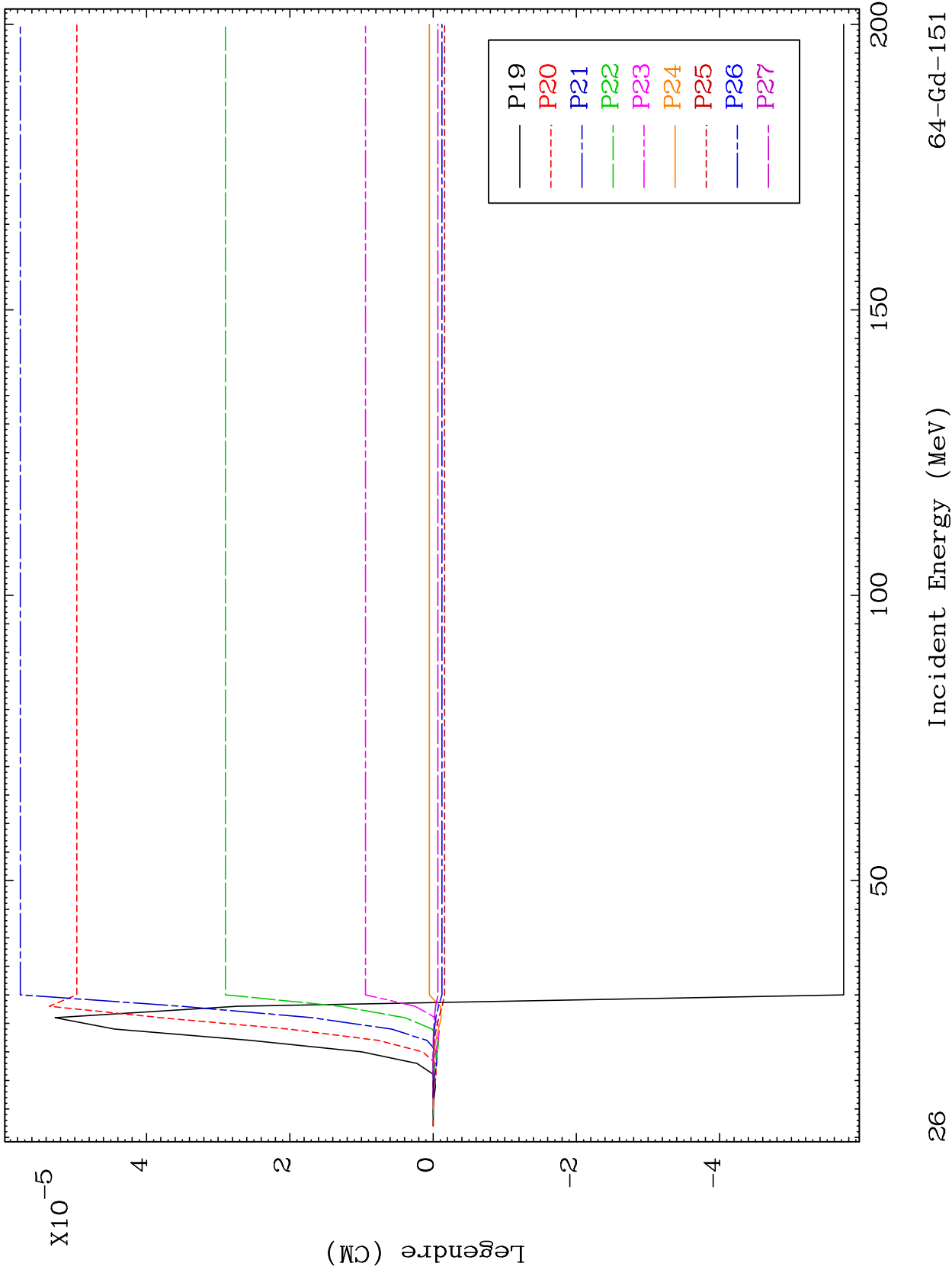
64-Gd-151

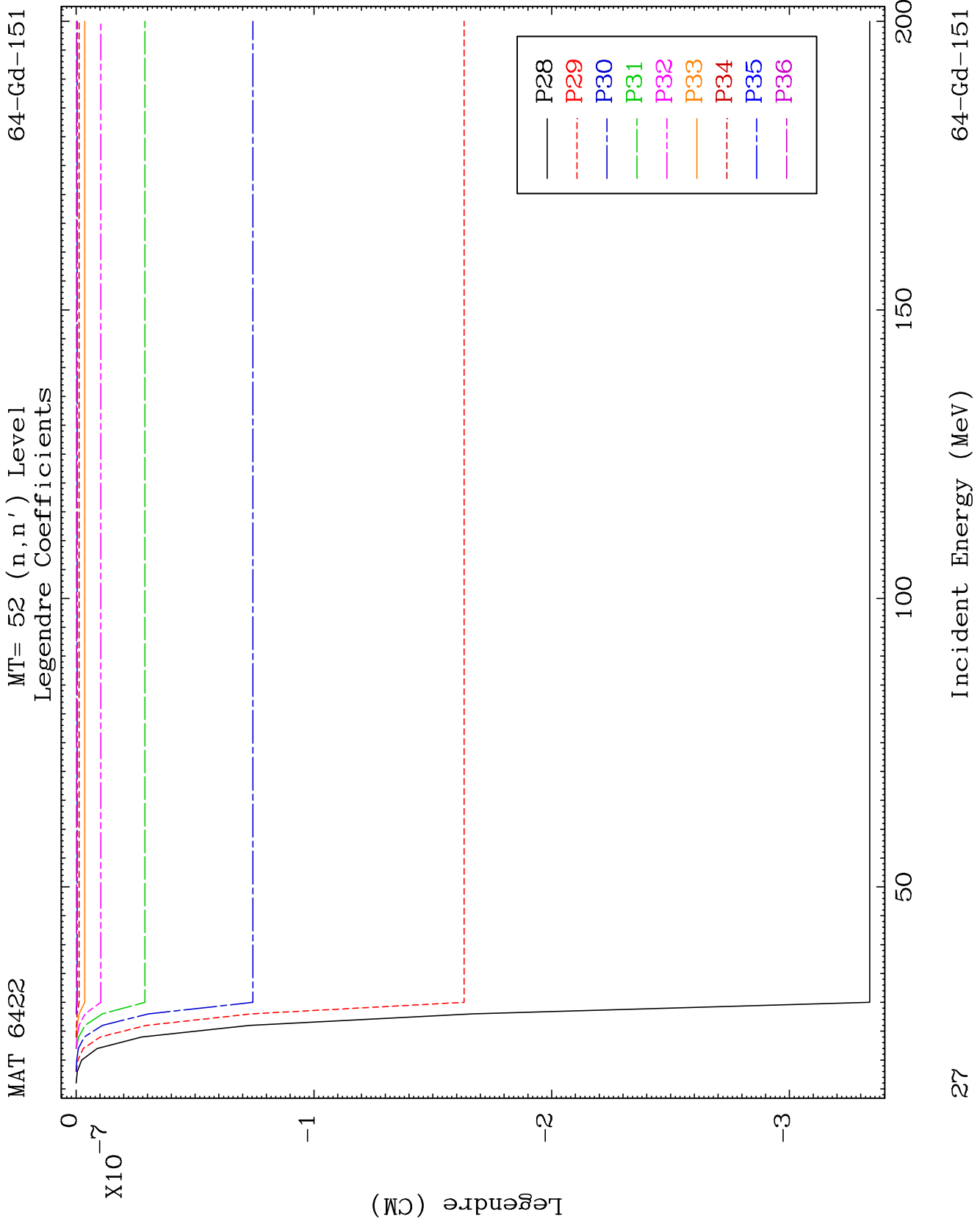


25

Incident Energy (MeV)

64-Gd-151

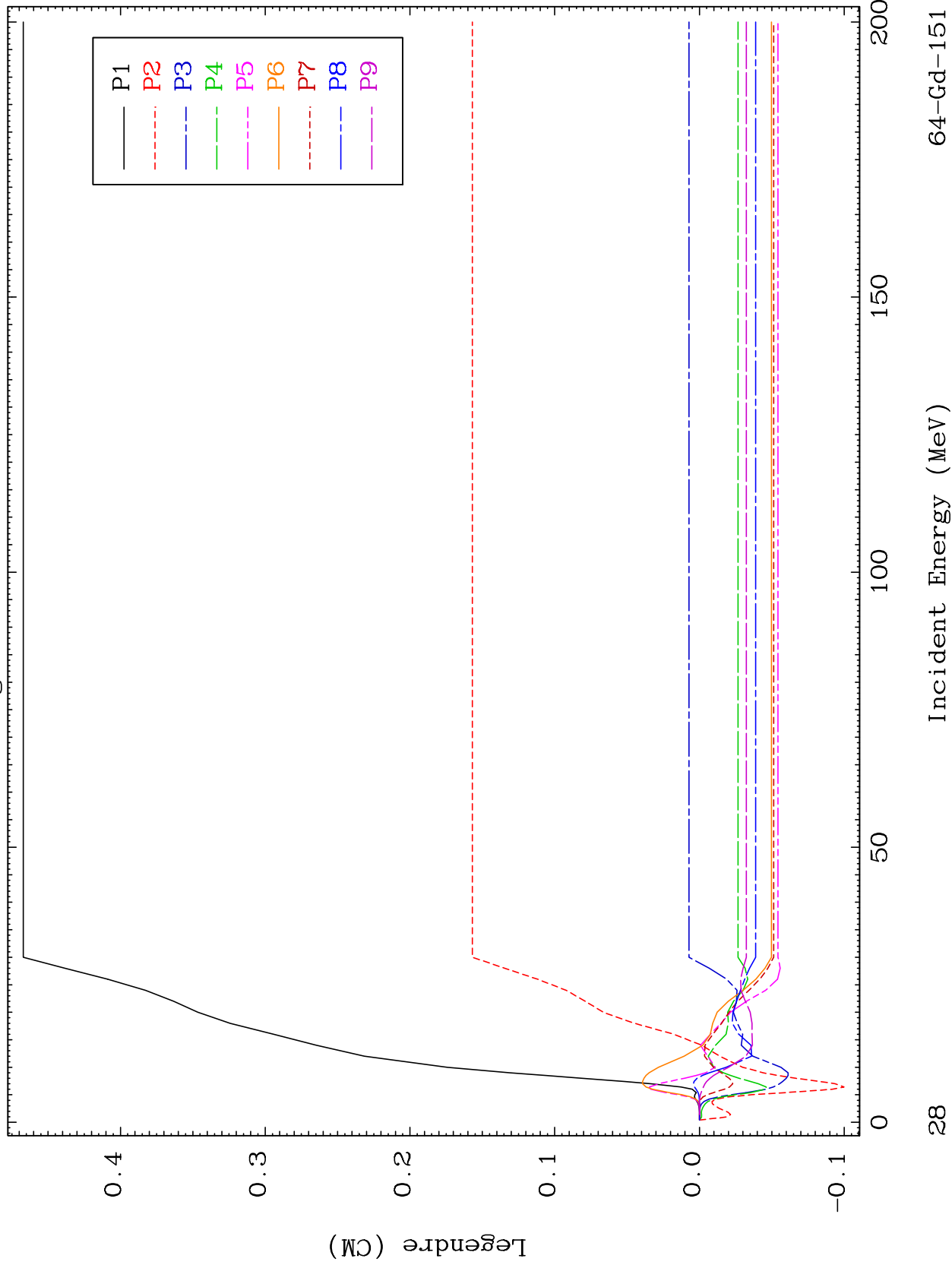




MAT 6422

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

64-Gd-151



64-Gd-151

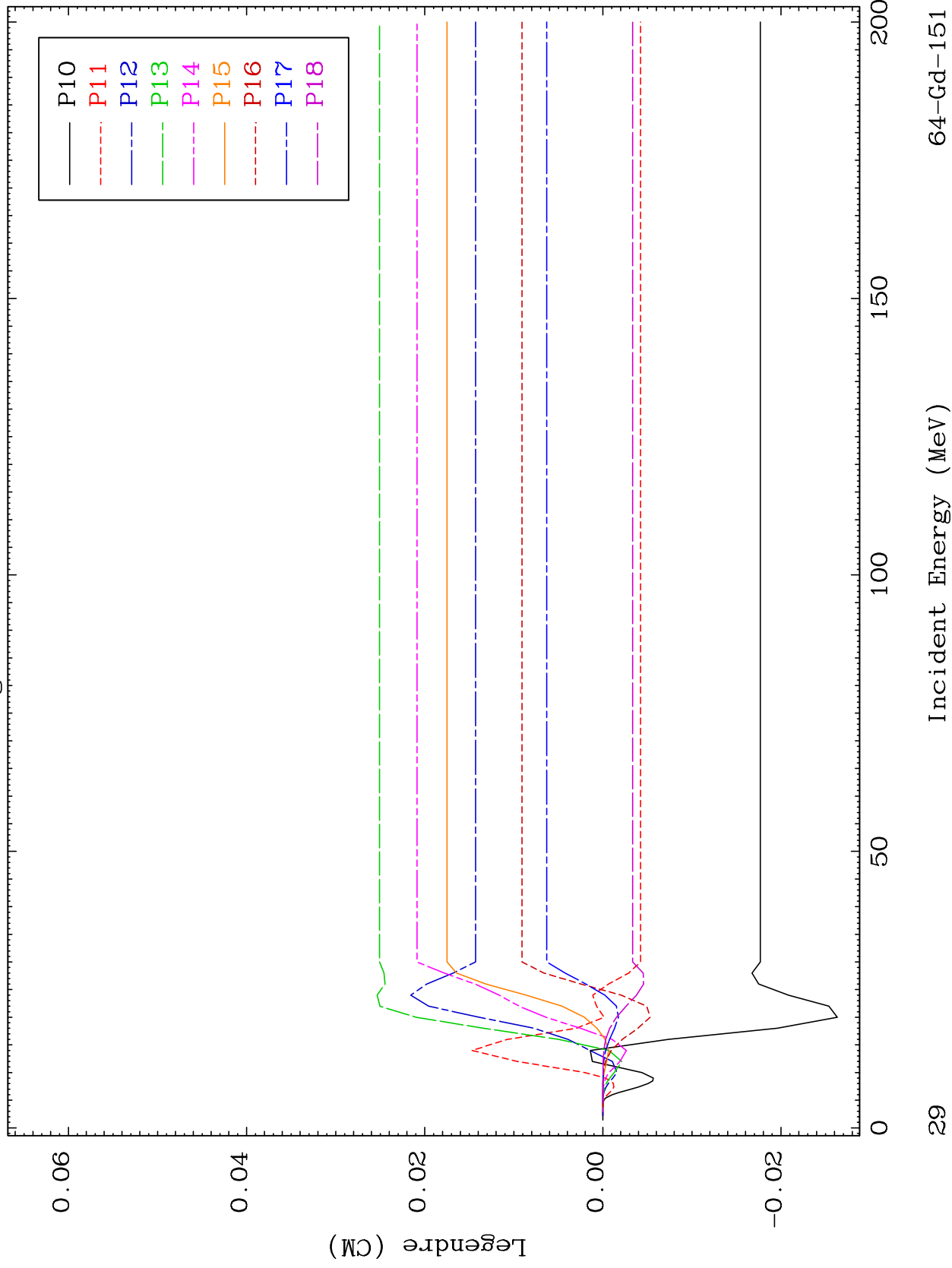
Incident Energy (MeV)

28

MAT 6422

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

64-Gd-151



64-Gd-151

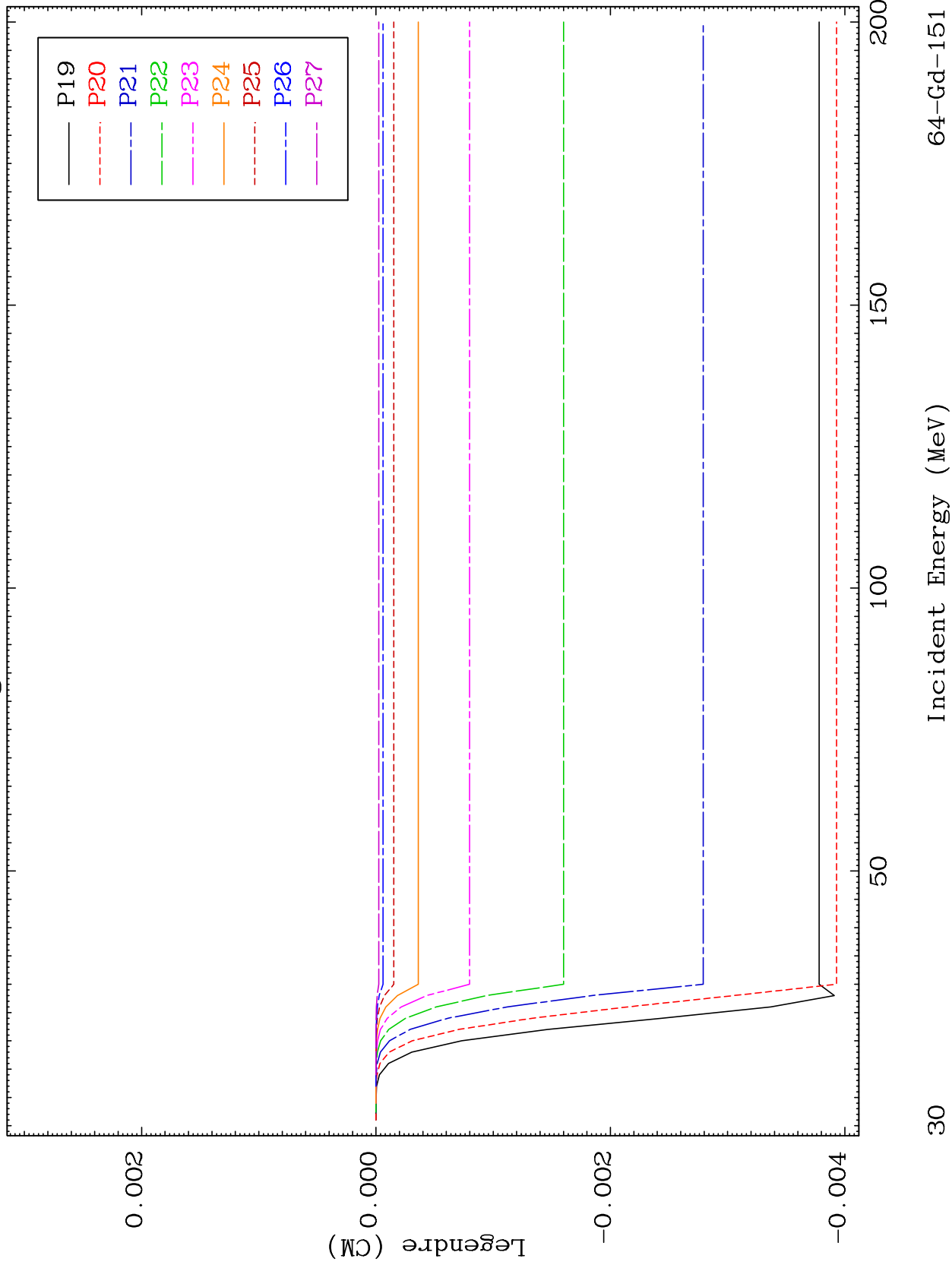
Incident Energy (MeV)

29

MAT 6422

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

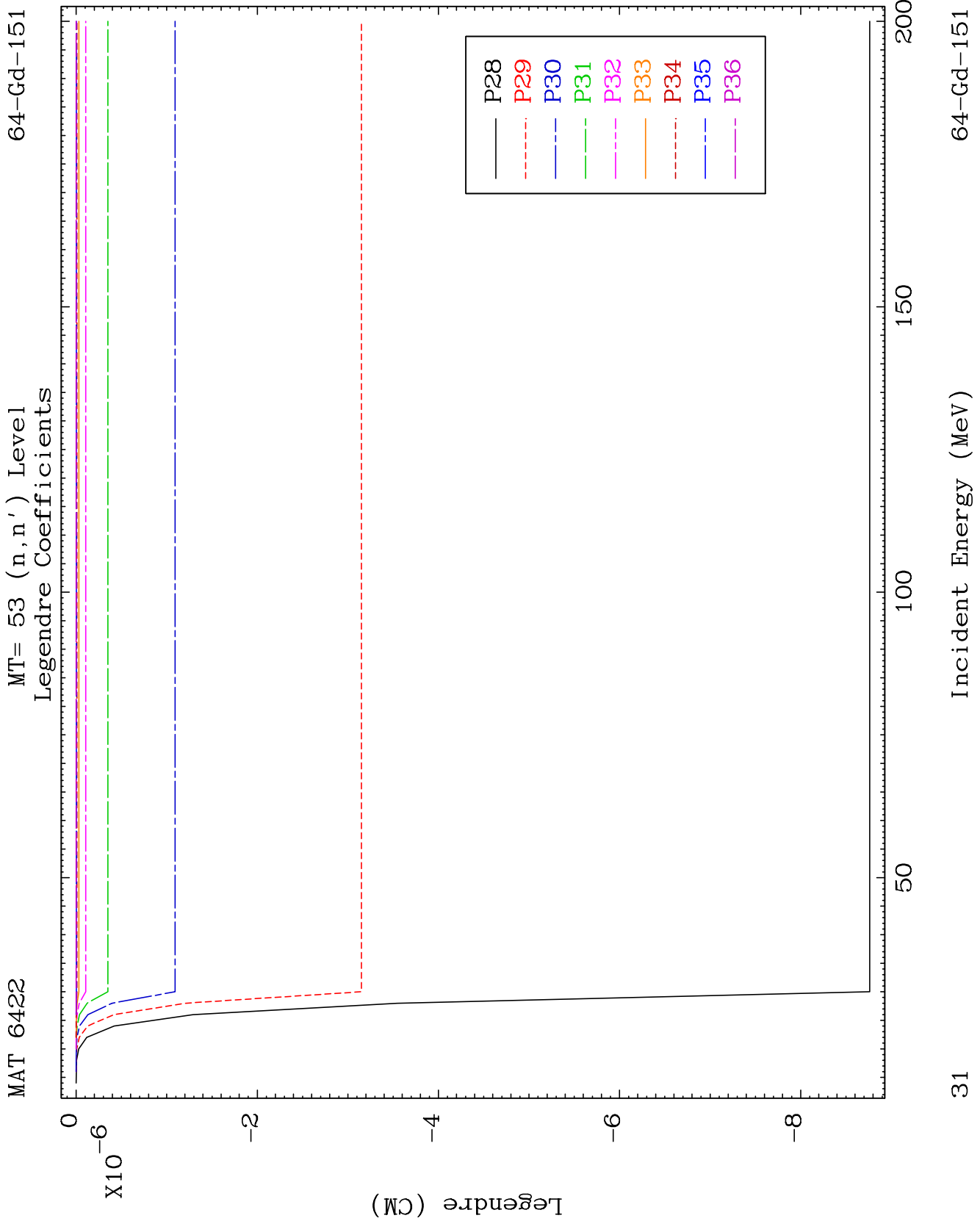
64-Gd-151



30

Incident Energy (MeV)

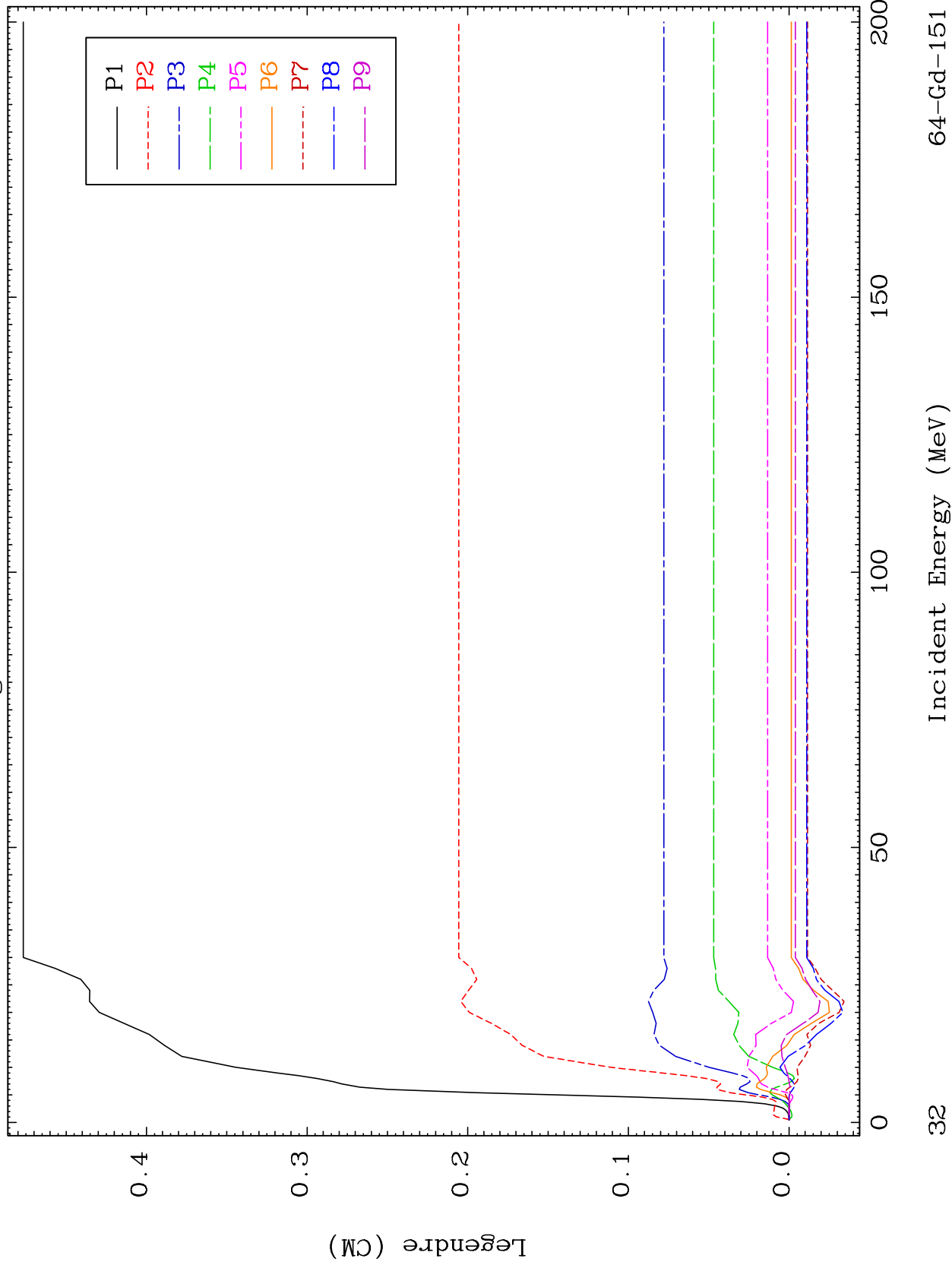
64-Gd-151



MAT 6422

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

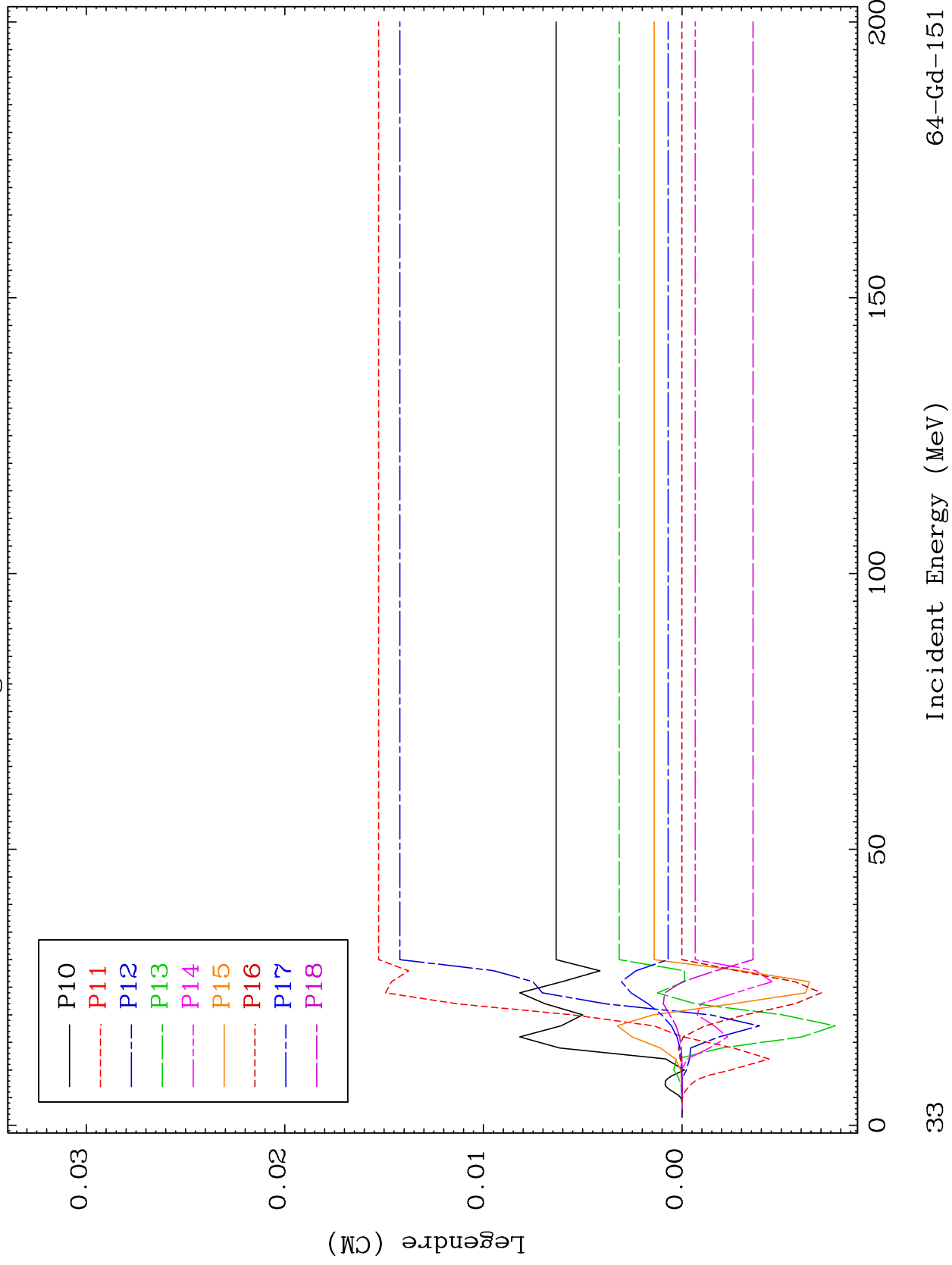
64-Gd-151



MAT 6422

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

64-Gd-151



33

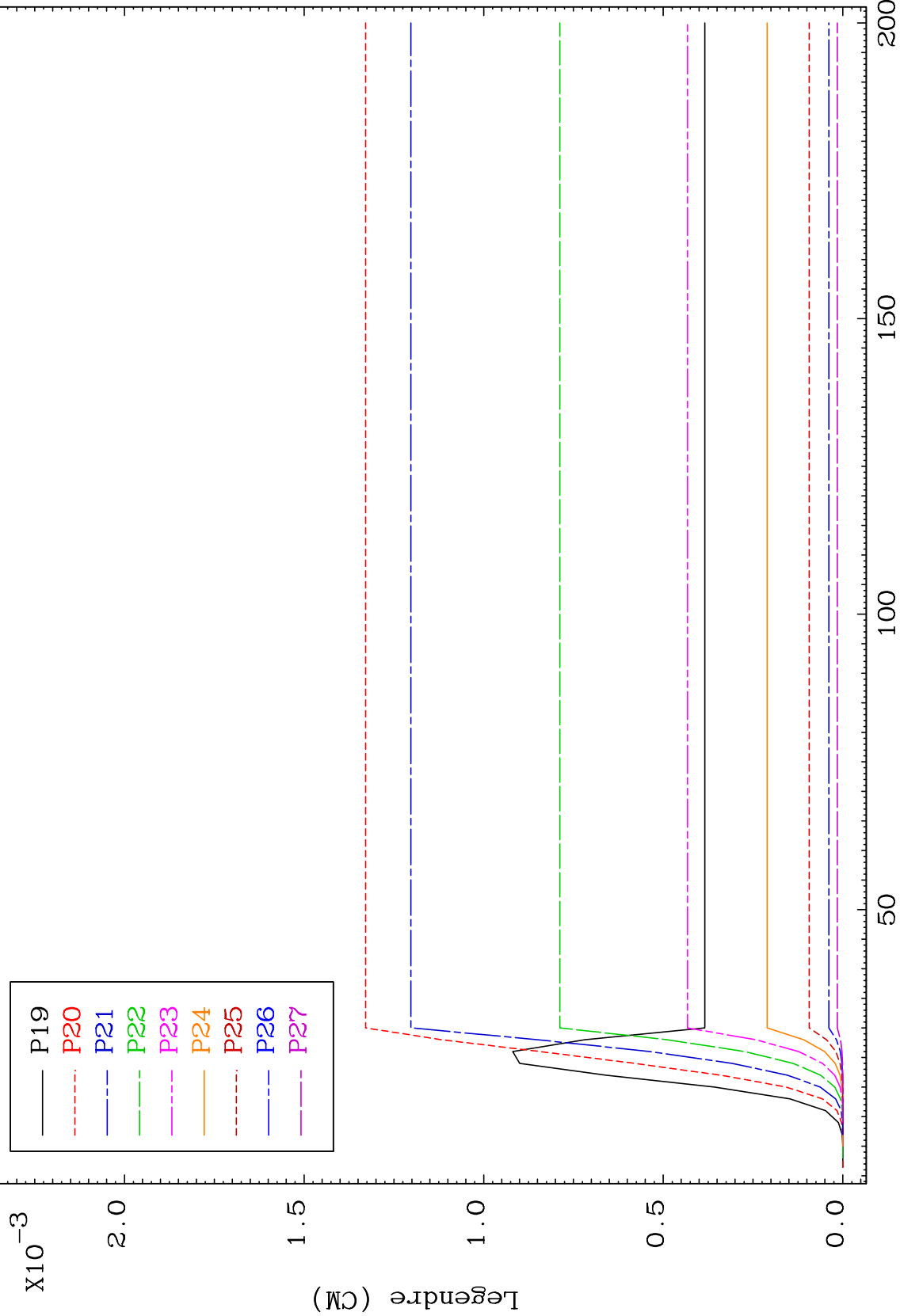
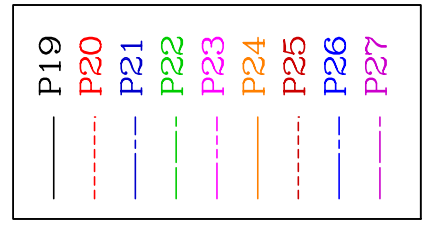
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



34

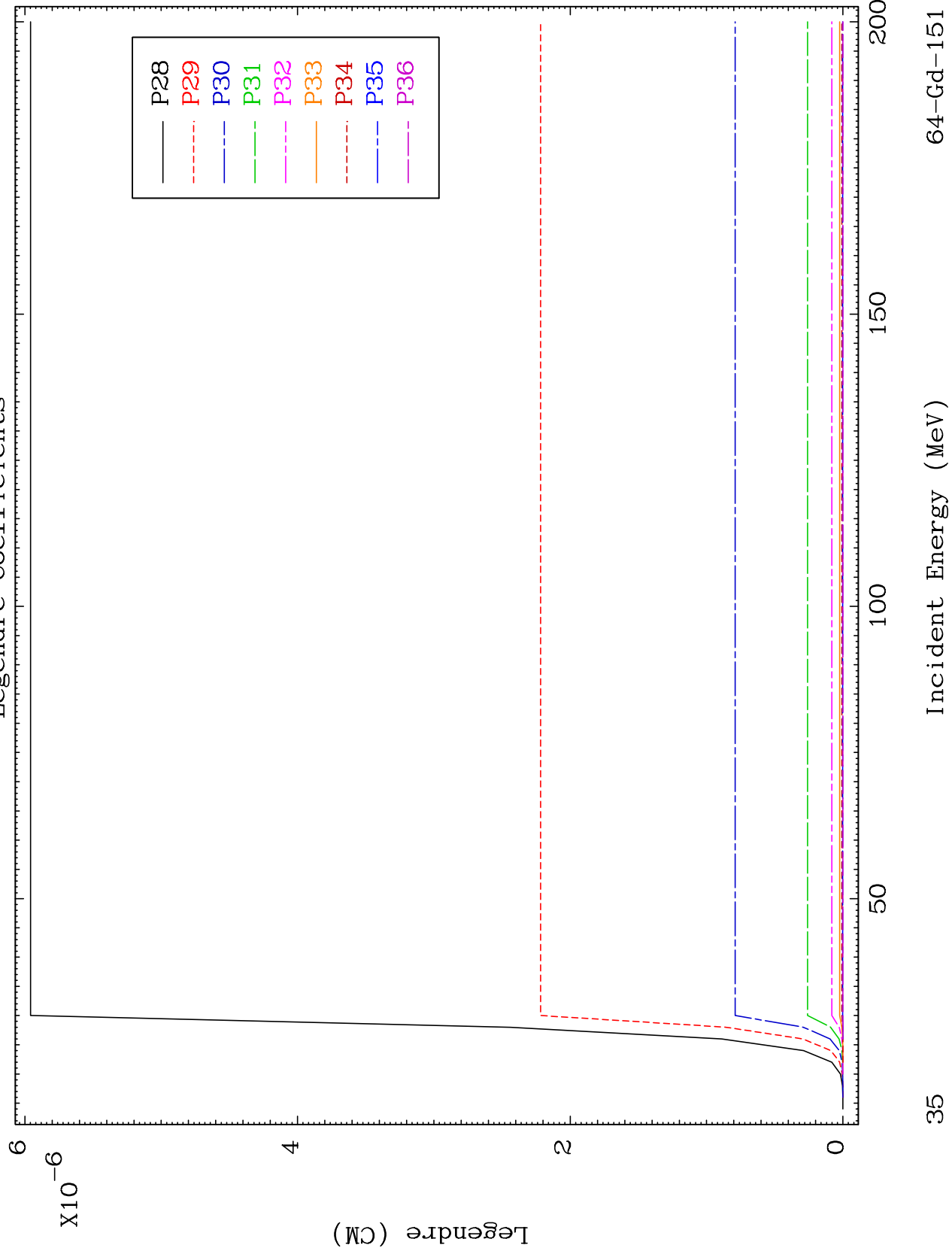
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



35

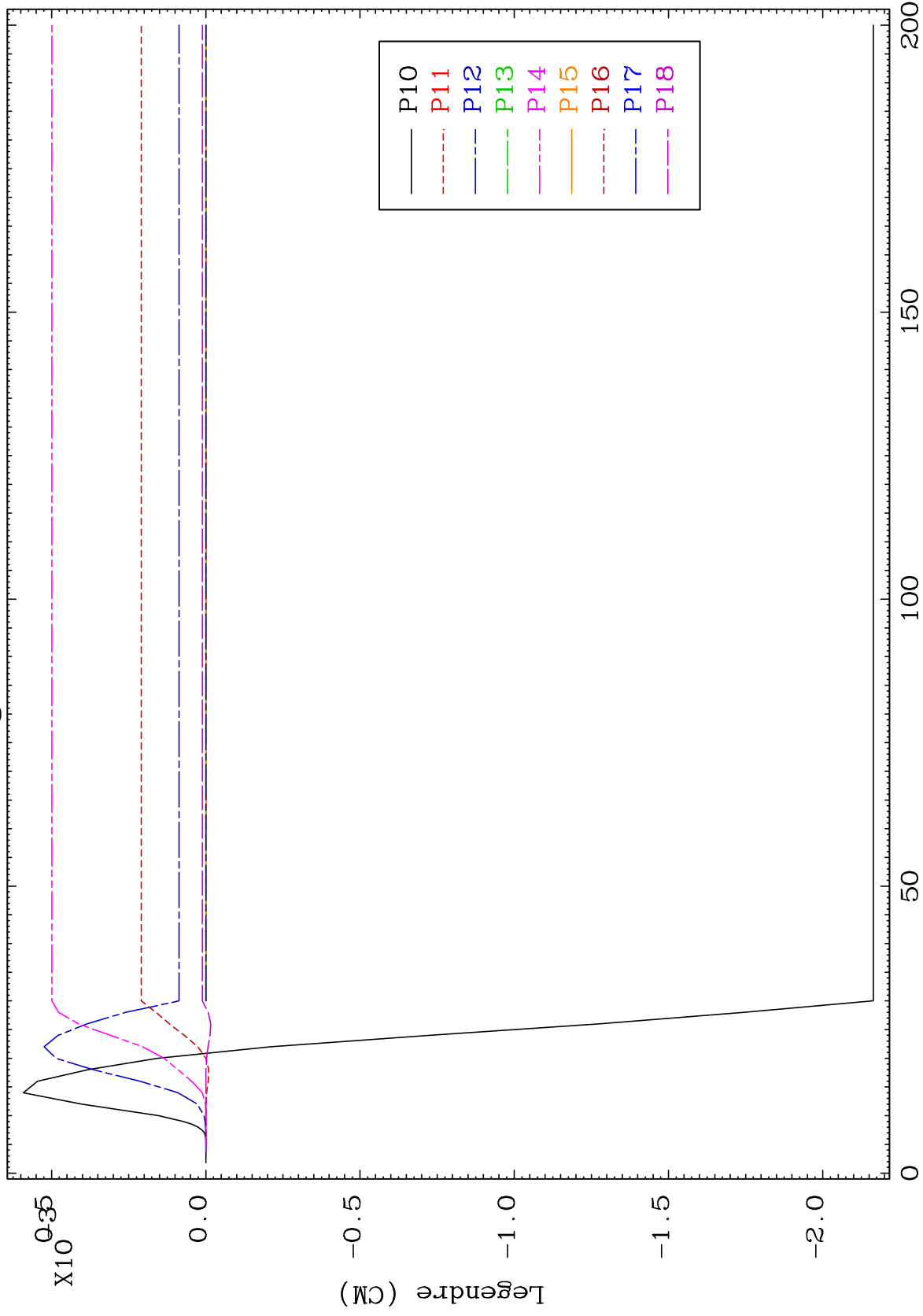
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



37

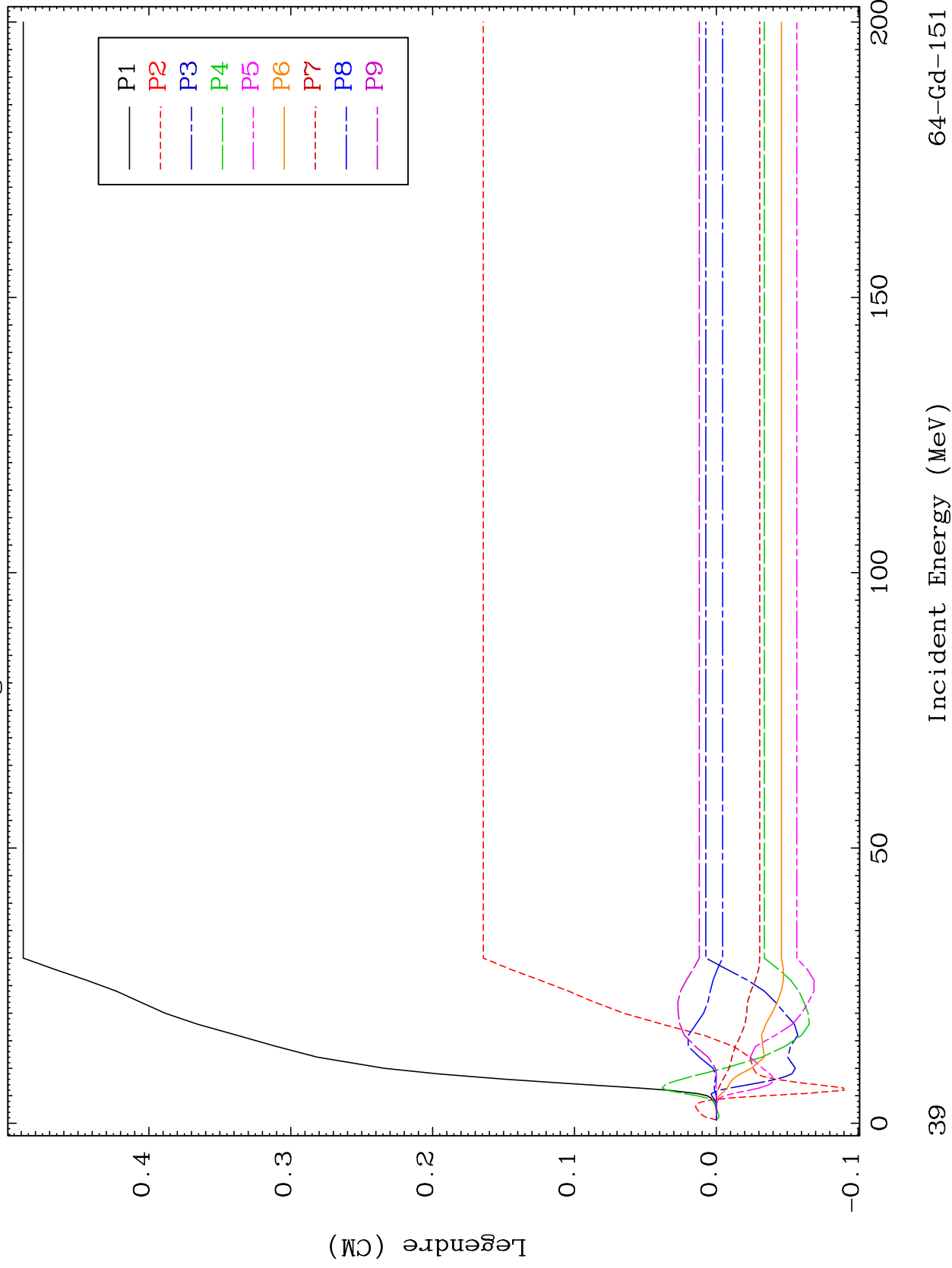
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



64-Gd-151

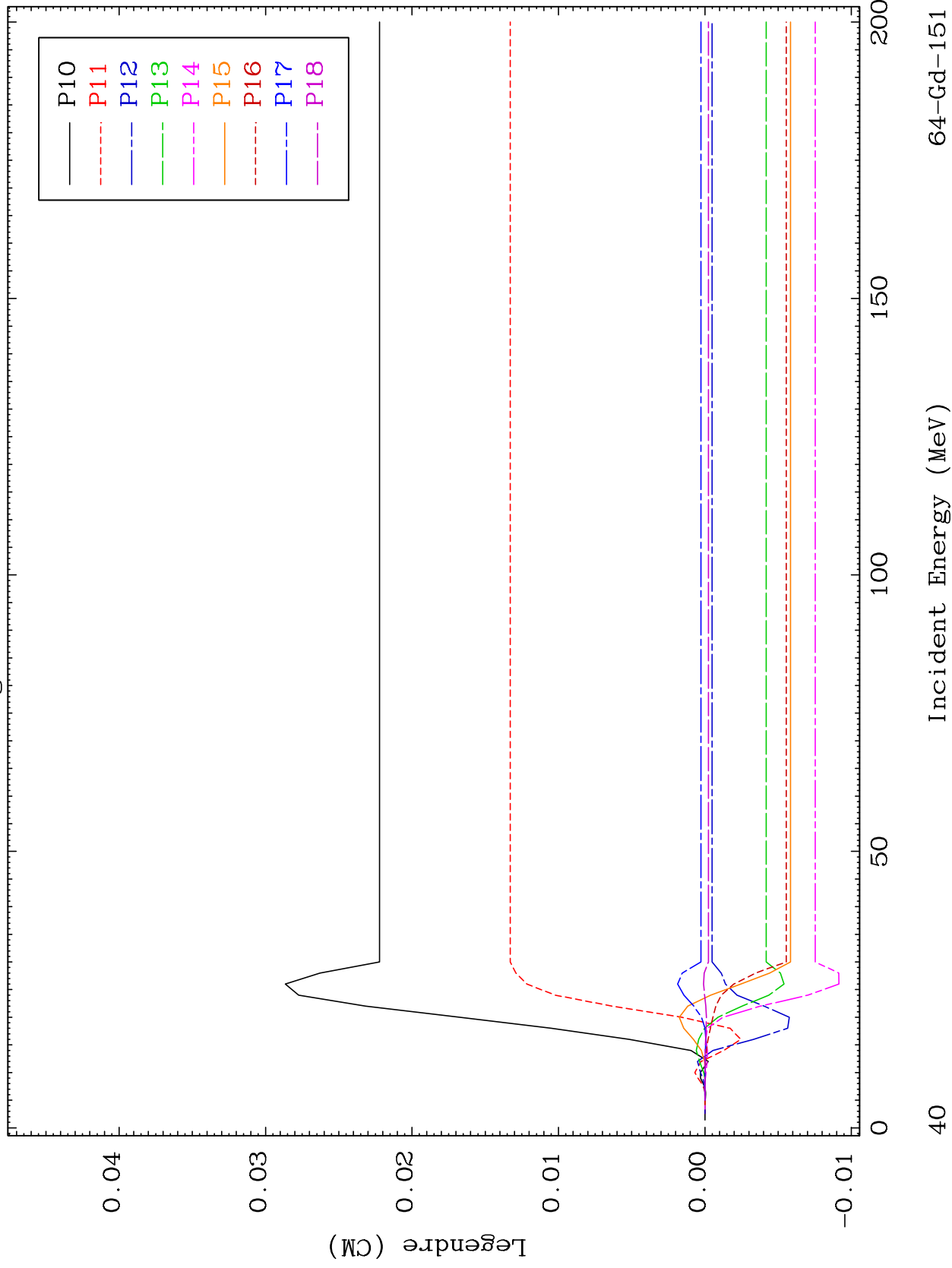
Incident Energy (MeV)

39

MAT 6422

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

64-Gd-151



64-Gd-151

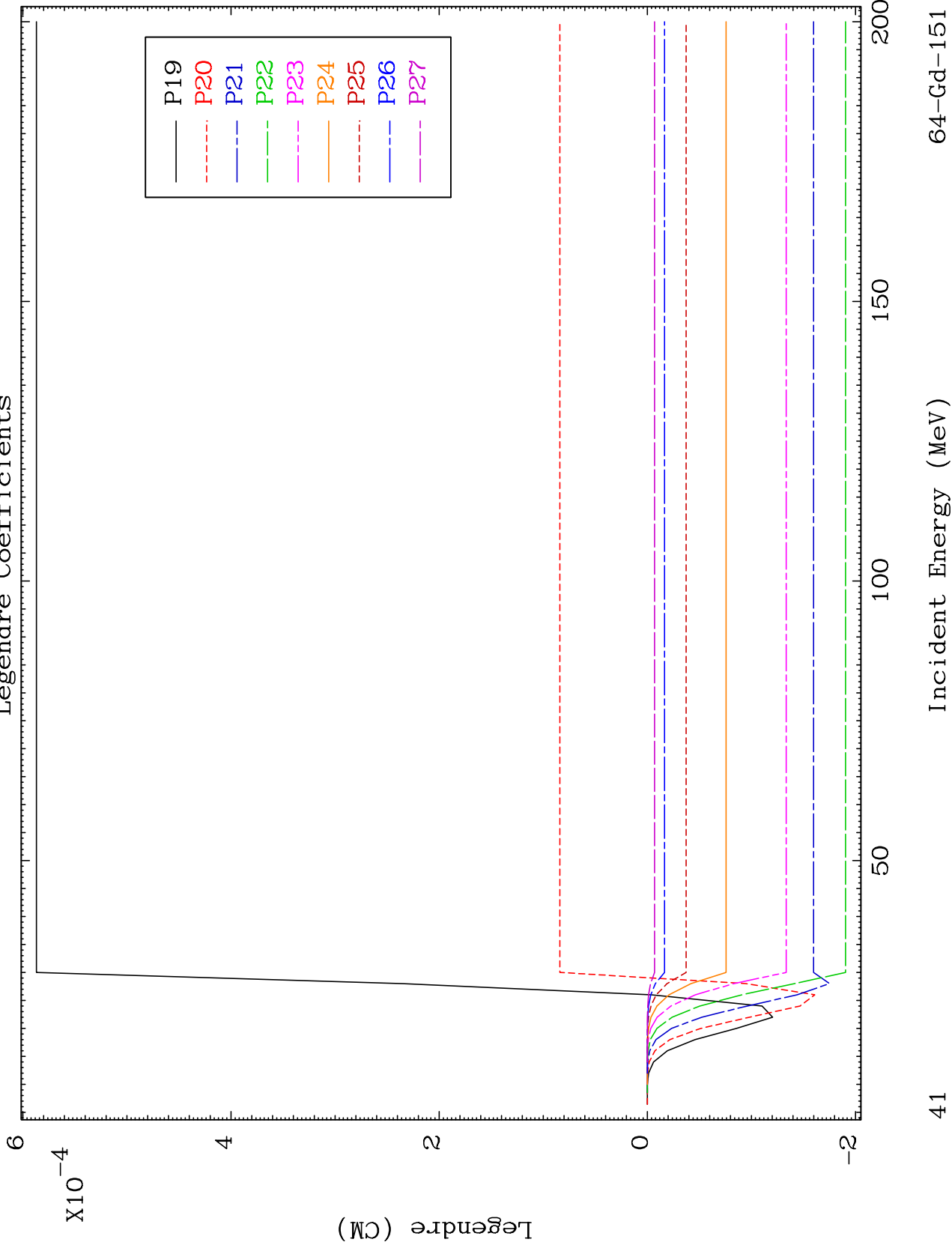
Incident Energy (MeV)

40

MAT 6422

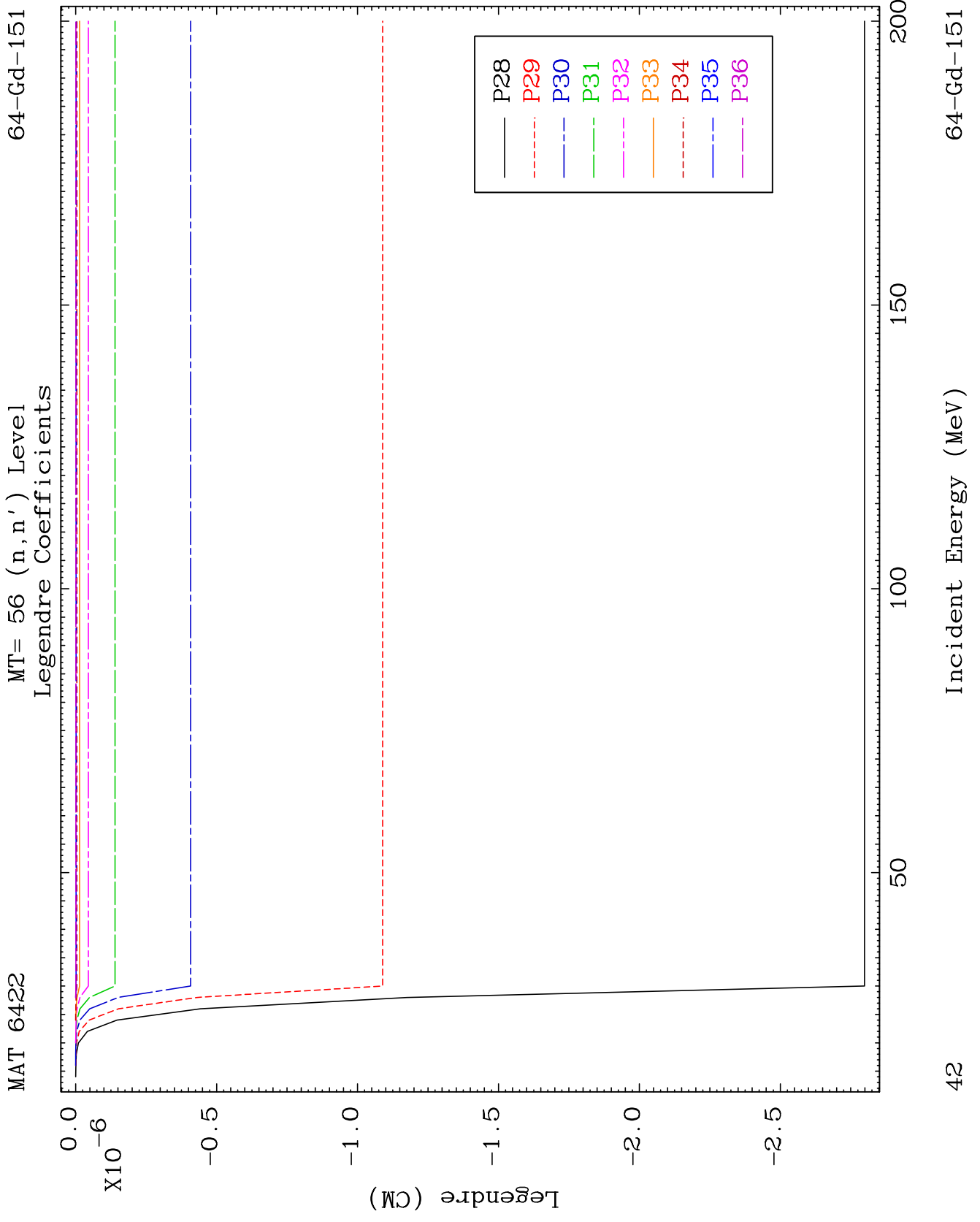
MT= 56 (n,n') Level
Legendre Coefficients

64-Gd-151



41

64-Gd-151

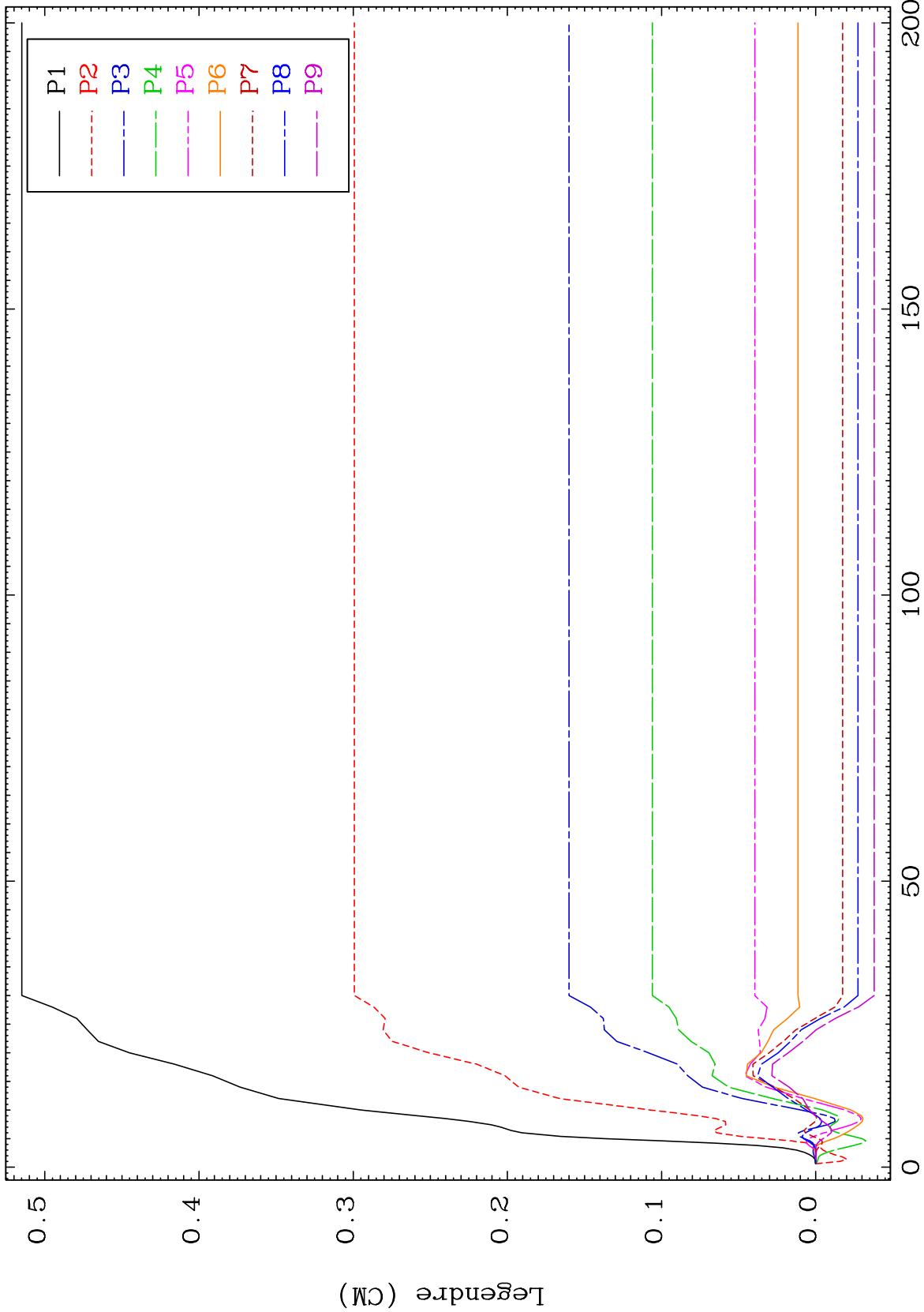


MAT 6422

MT= 57 (n,n') Level

64-Gd-151

Legendre Coefficients



43

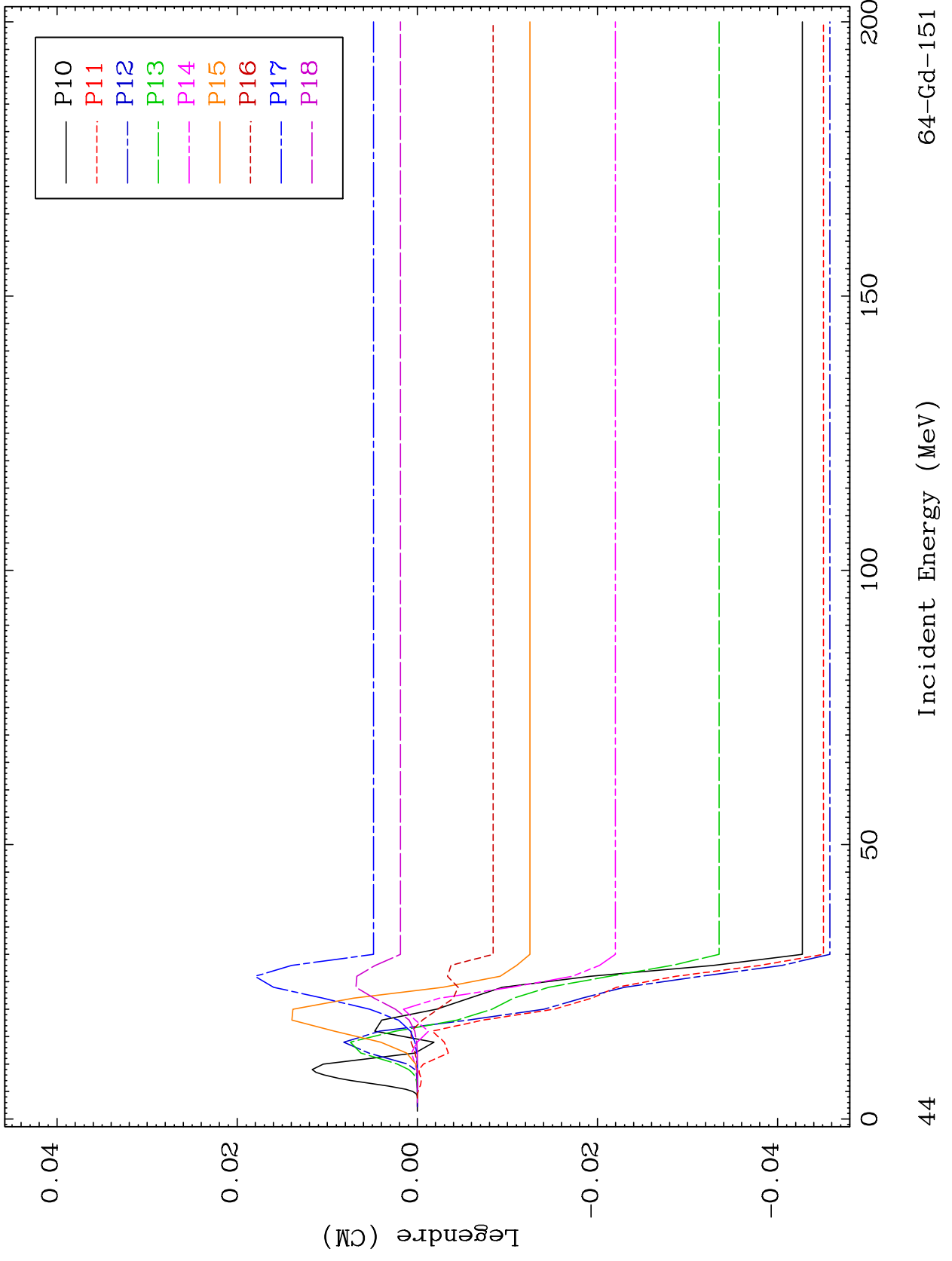
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



44

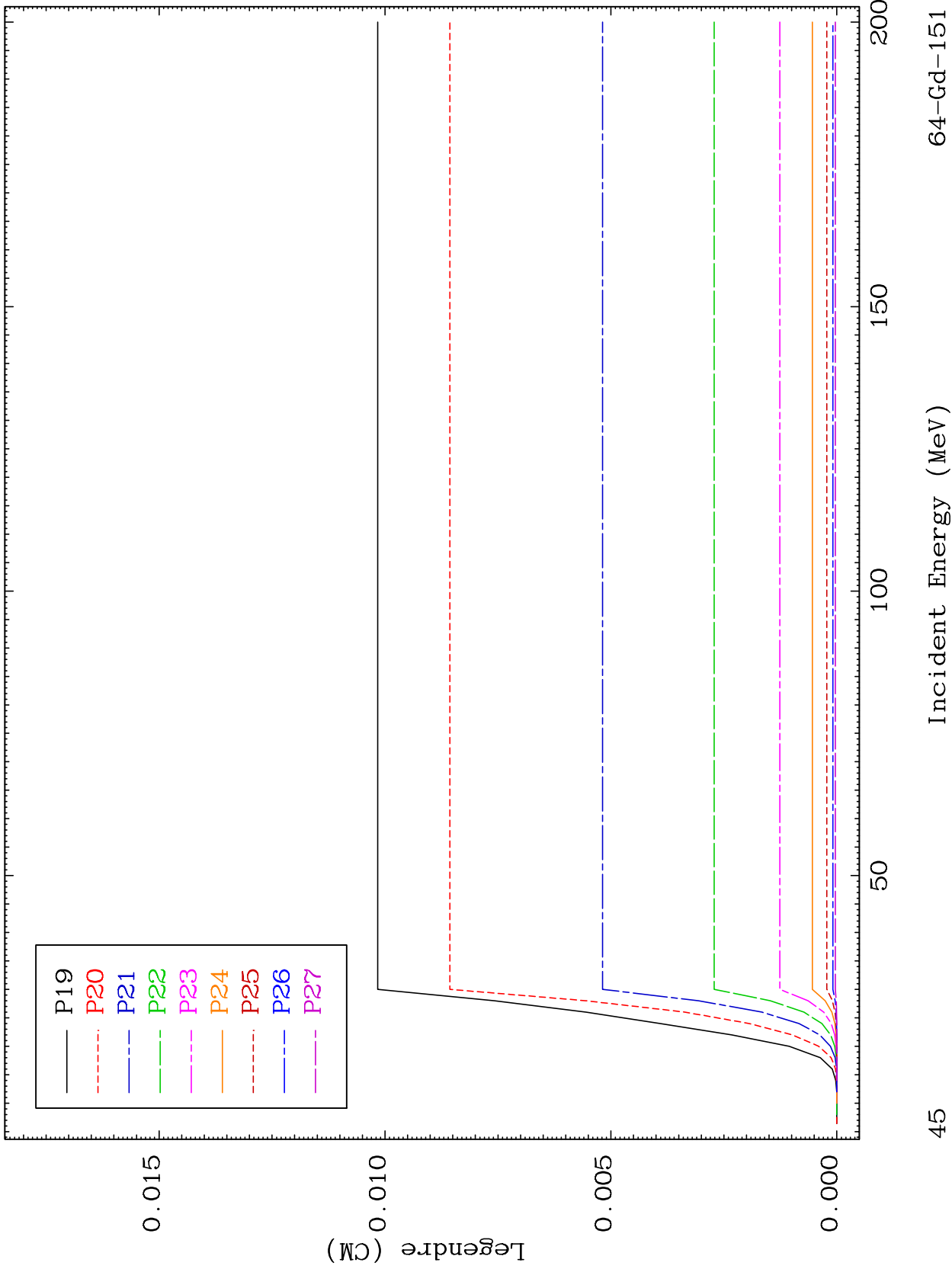
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

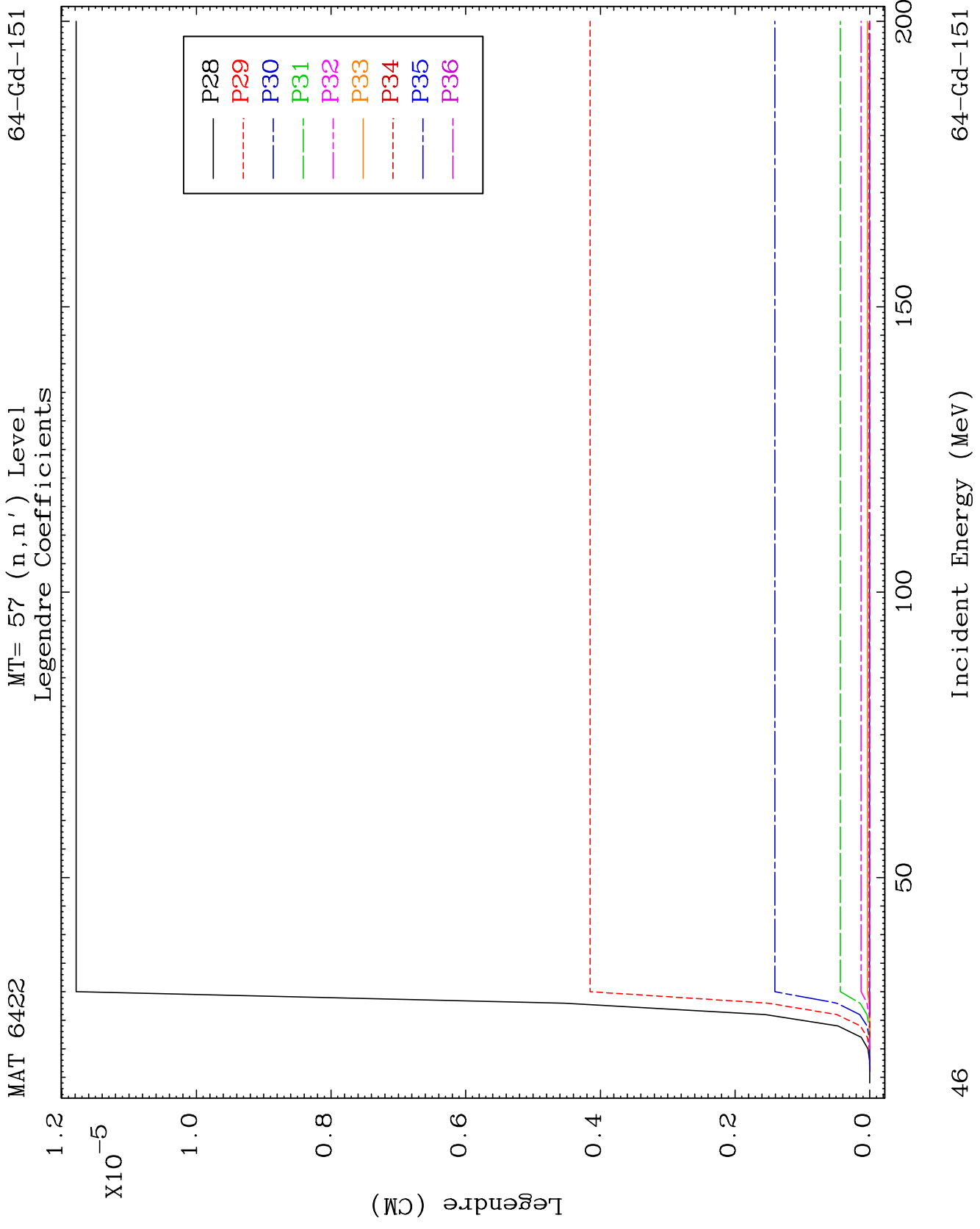
64-Gd-151



45

Incident Energy (MeV)

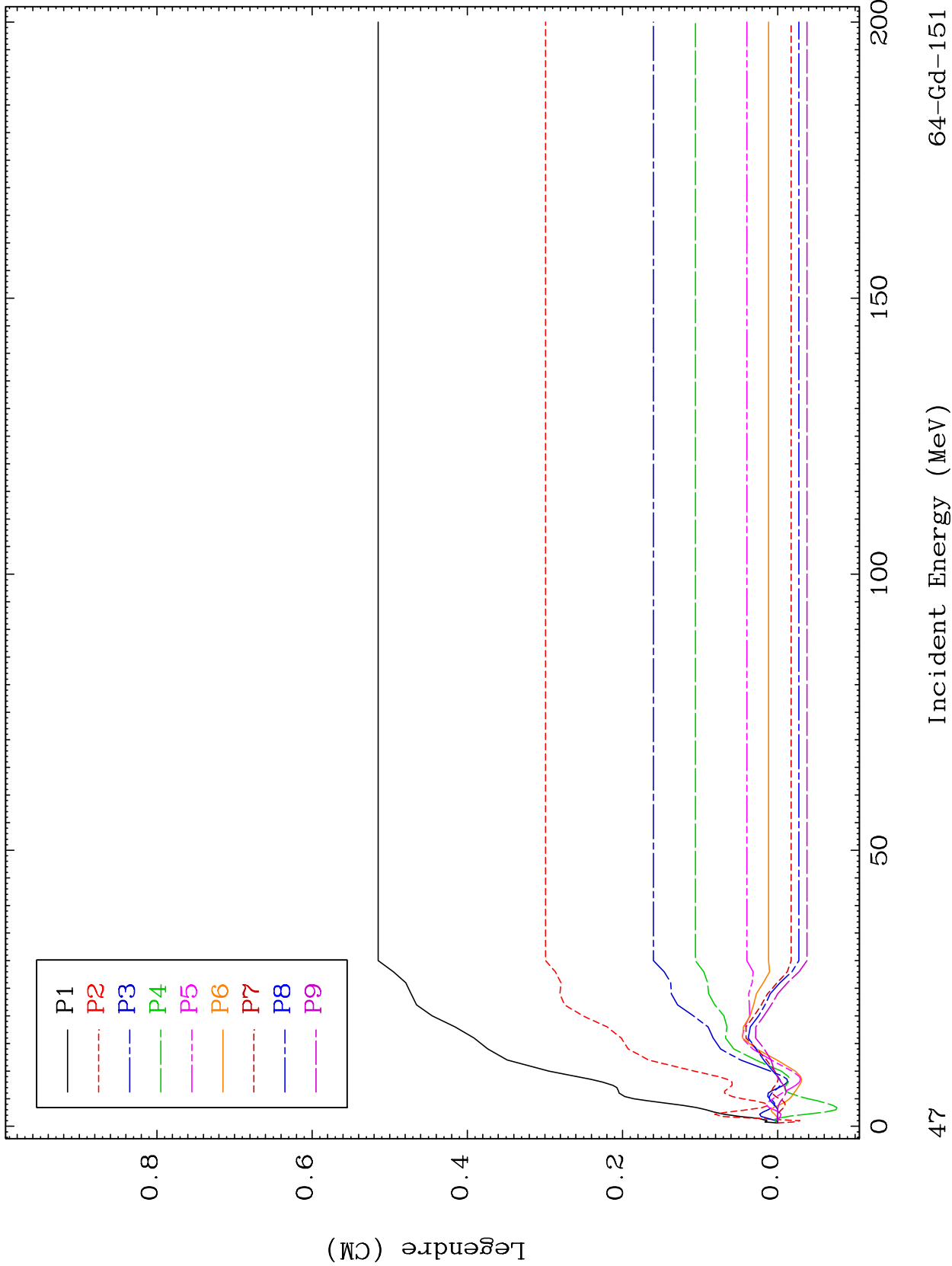
64-Gd-151



MAT 6422

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

64-Gd-151



64-Gd-151

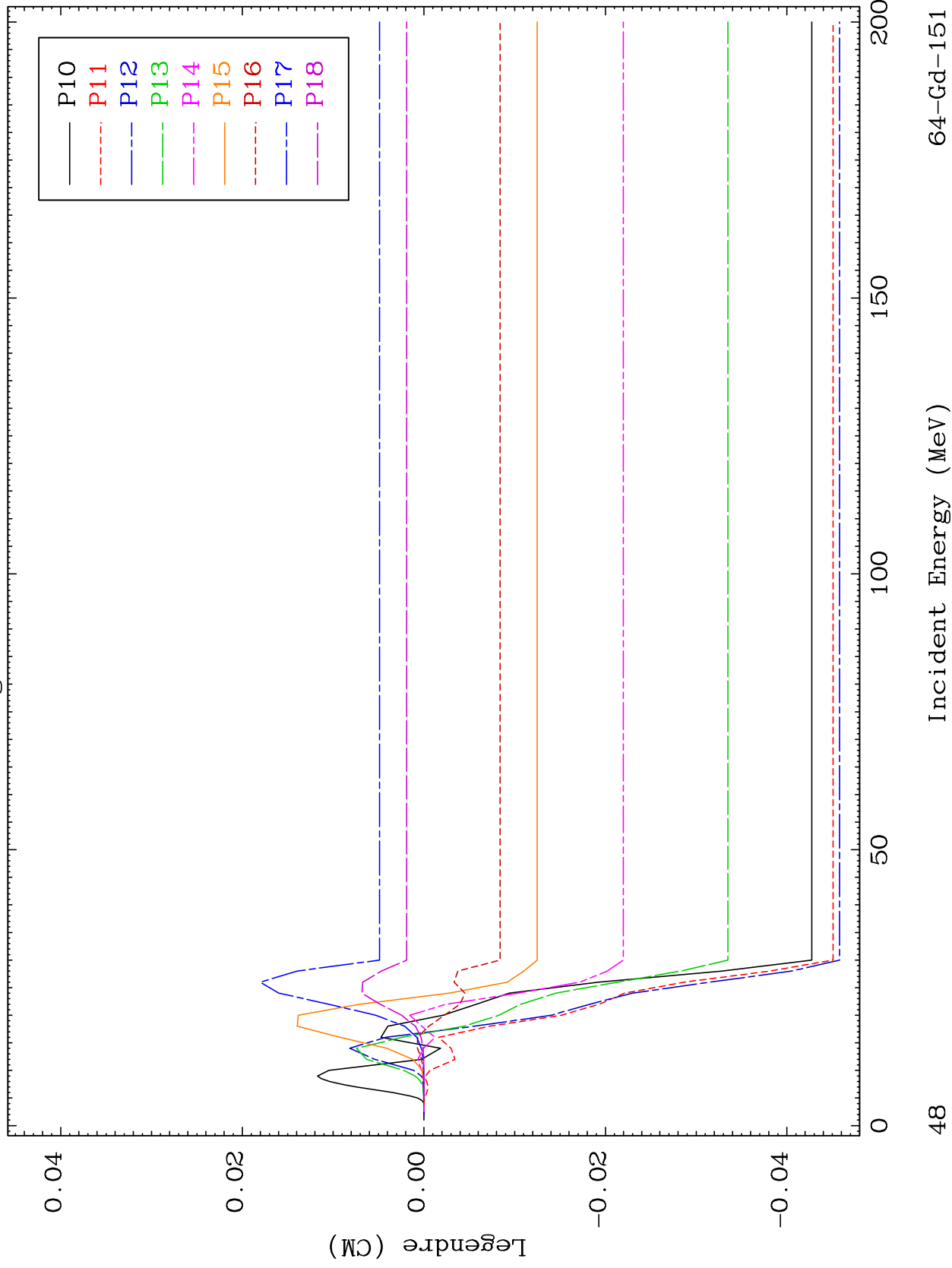
Incident Energy (MeV)

47

MAT 6422

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

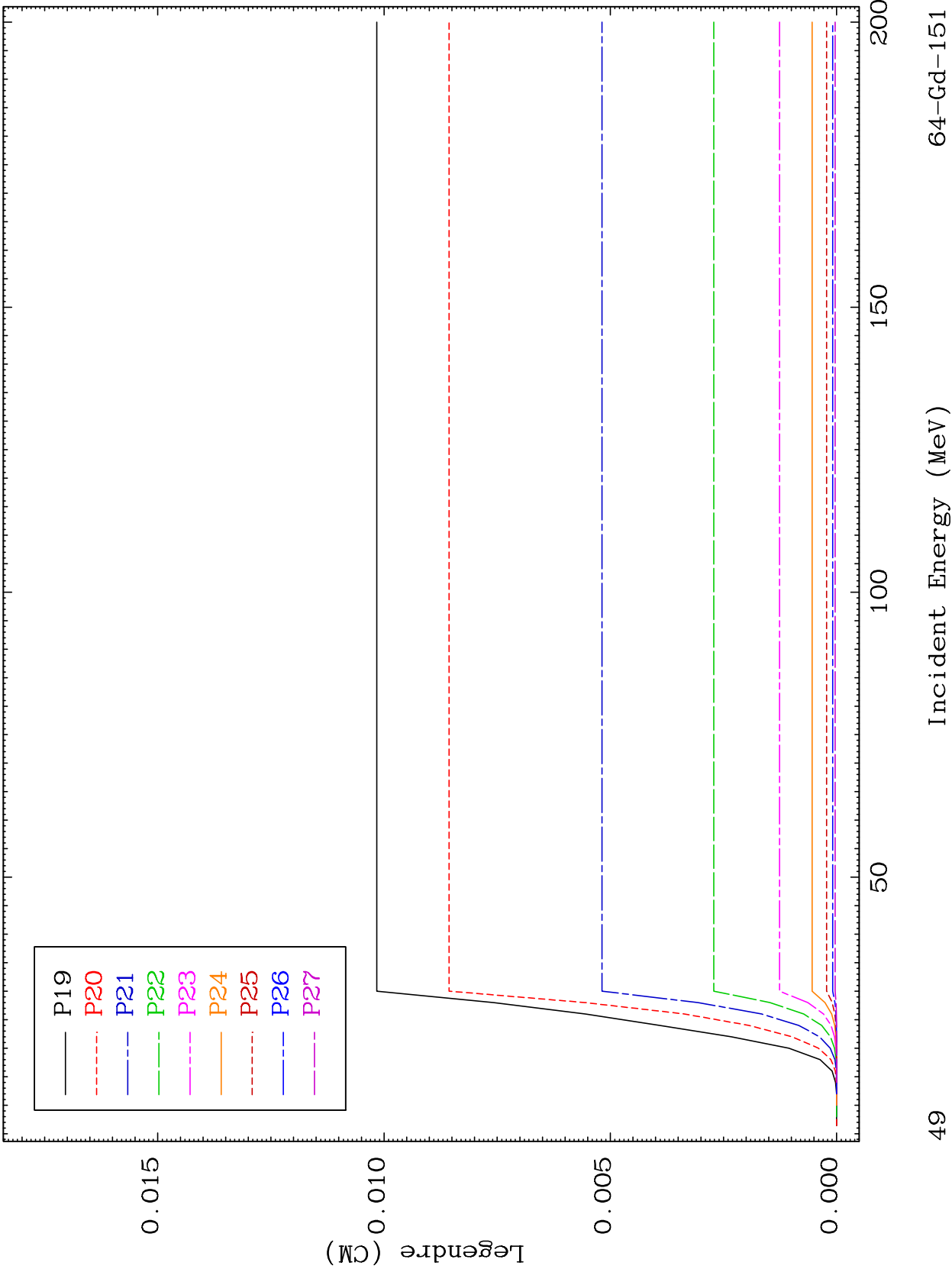
64-Gd-151

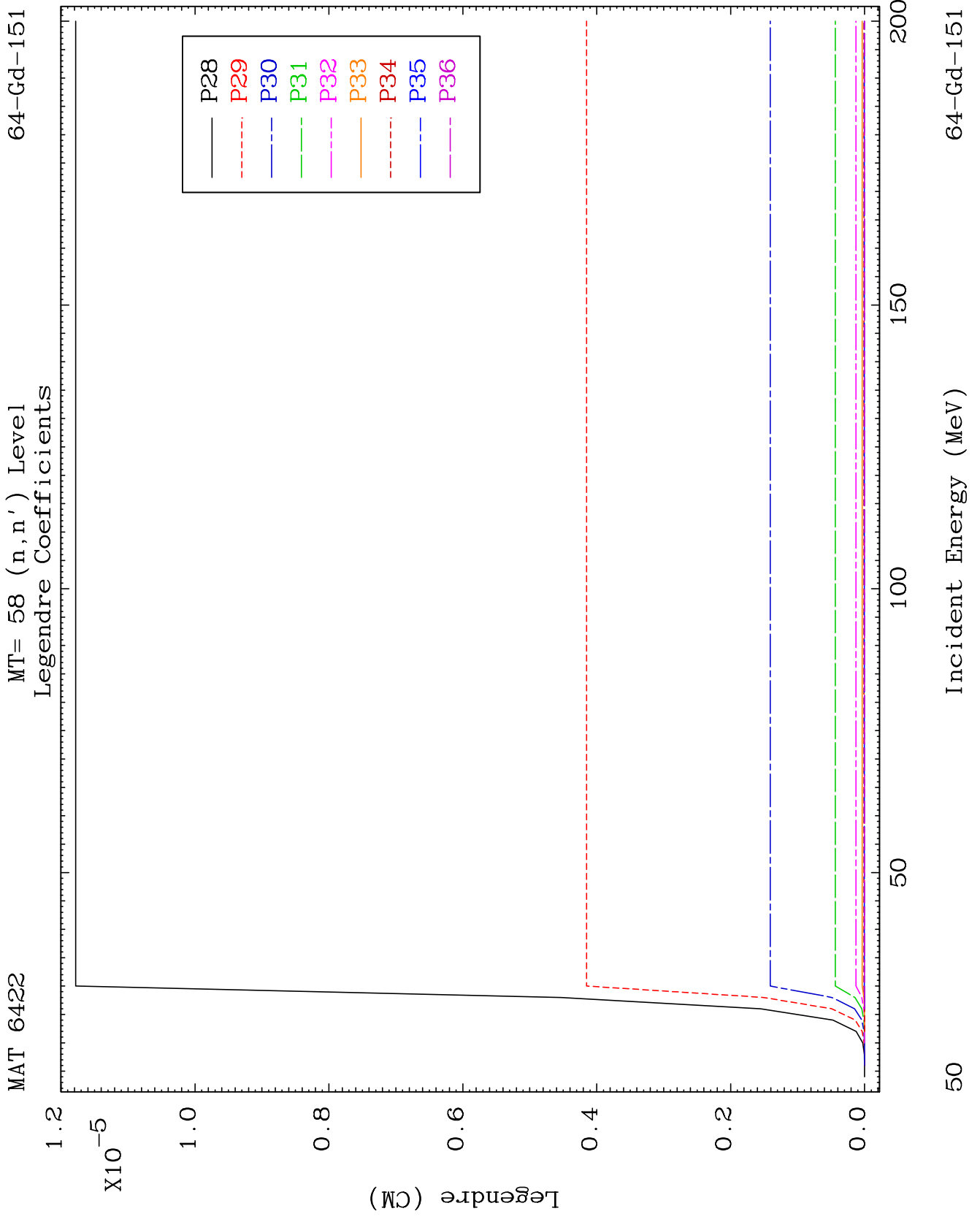


64-Gd-151

Incident Energy (MeV)

48

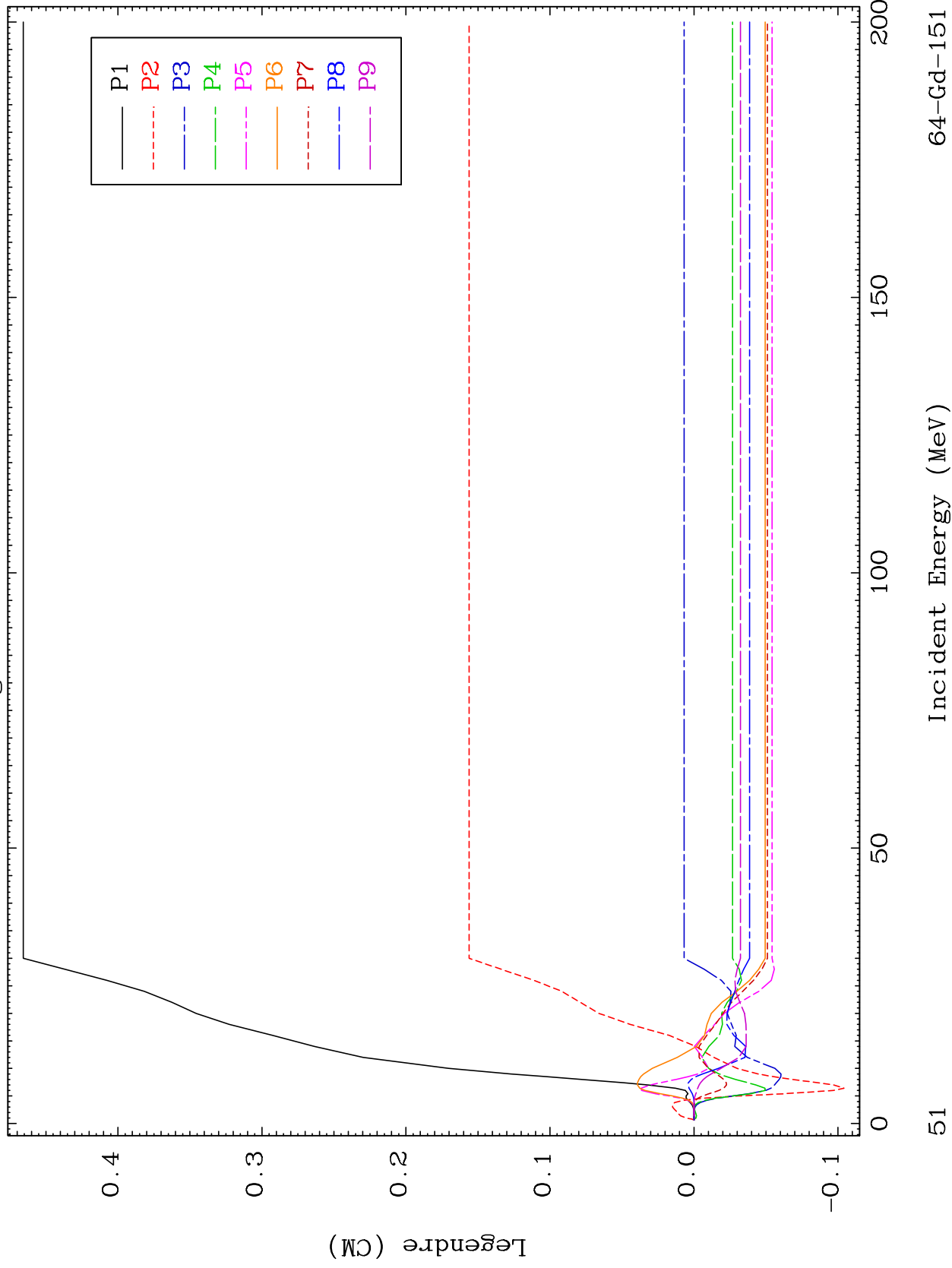




MAT 6422

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

64-Gd-151



64-Gd-151

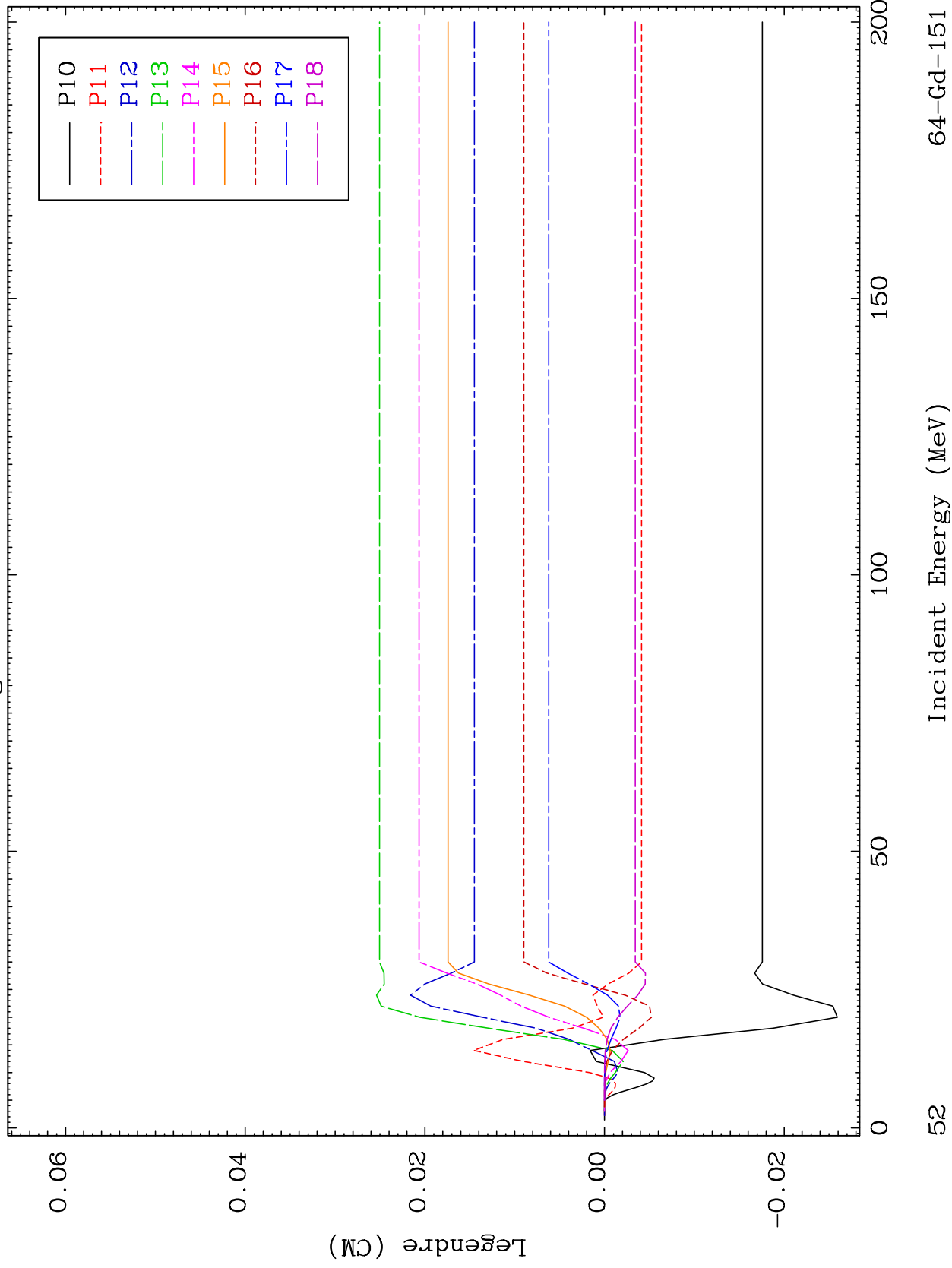
Incident Energy (MeV)

51

MAT 6422

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

64-Gd-151



64-Gd-151

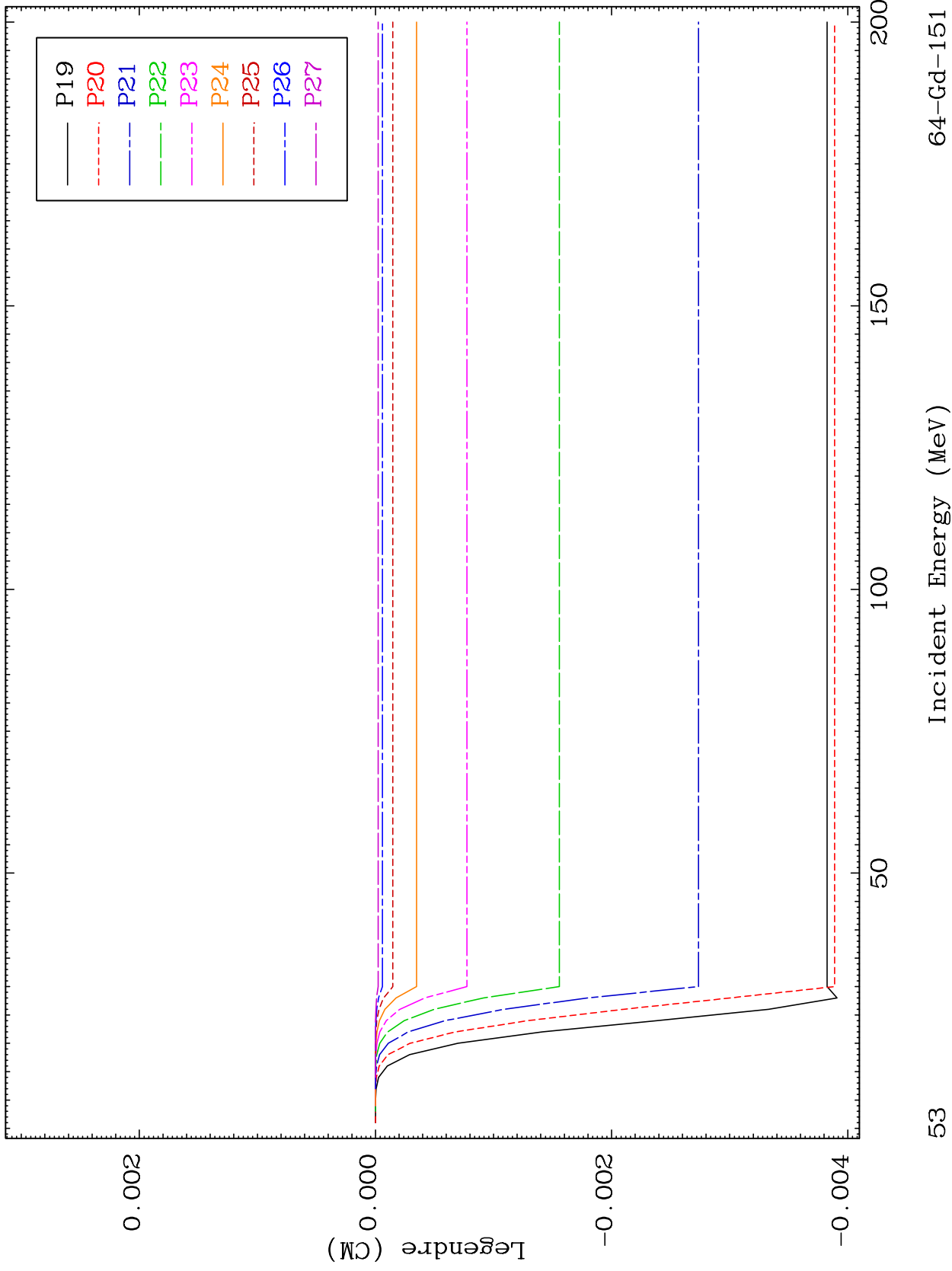
Incident Energy (MeV)

52

MAT 6422

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

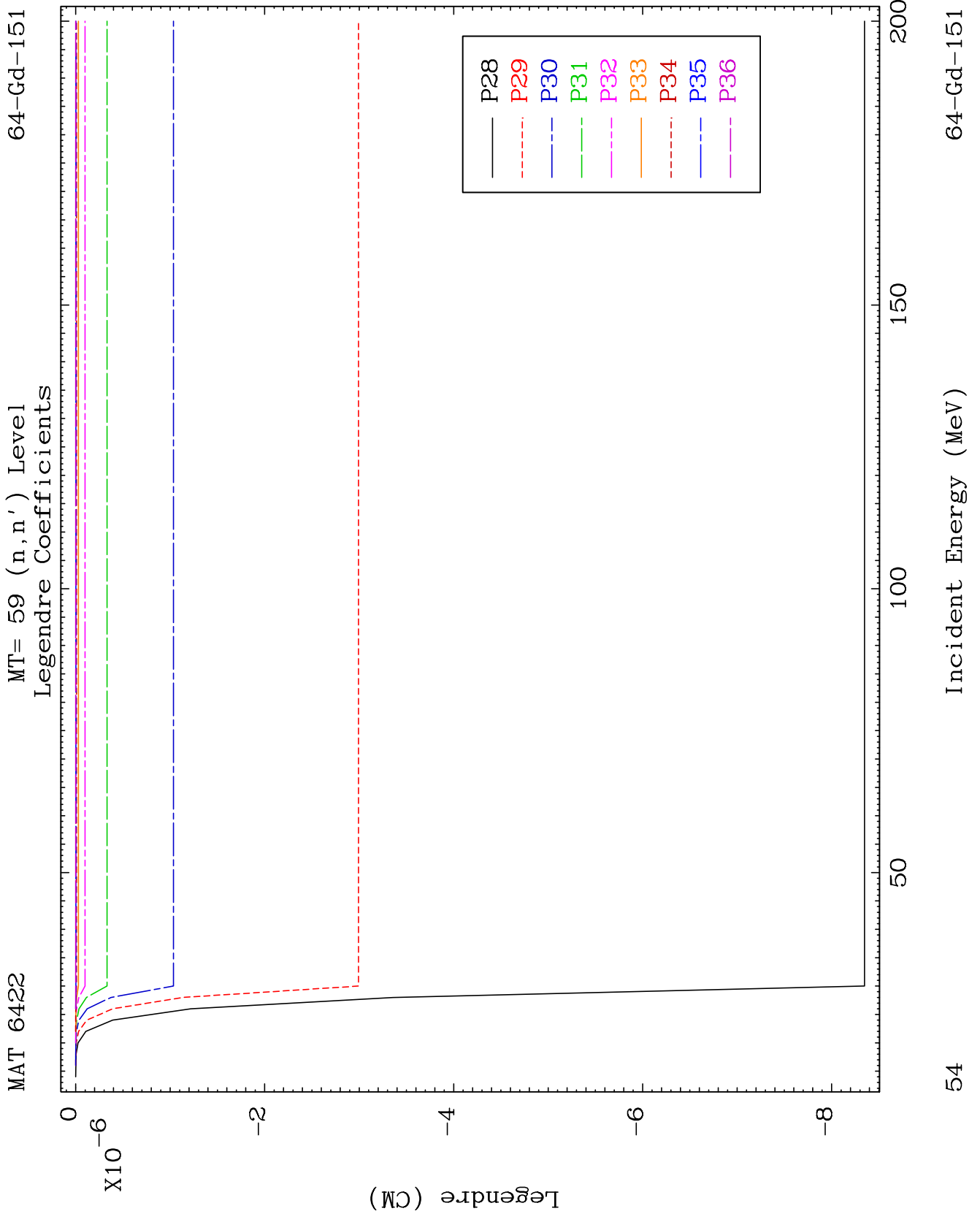
64-Gd-151



53

Incident Energy (MeV)

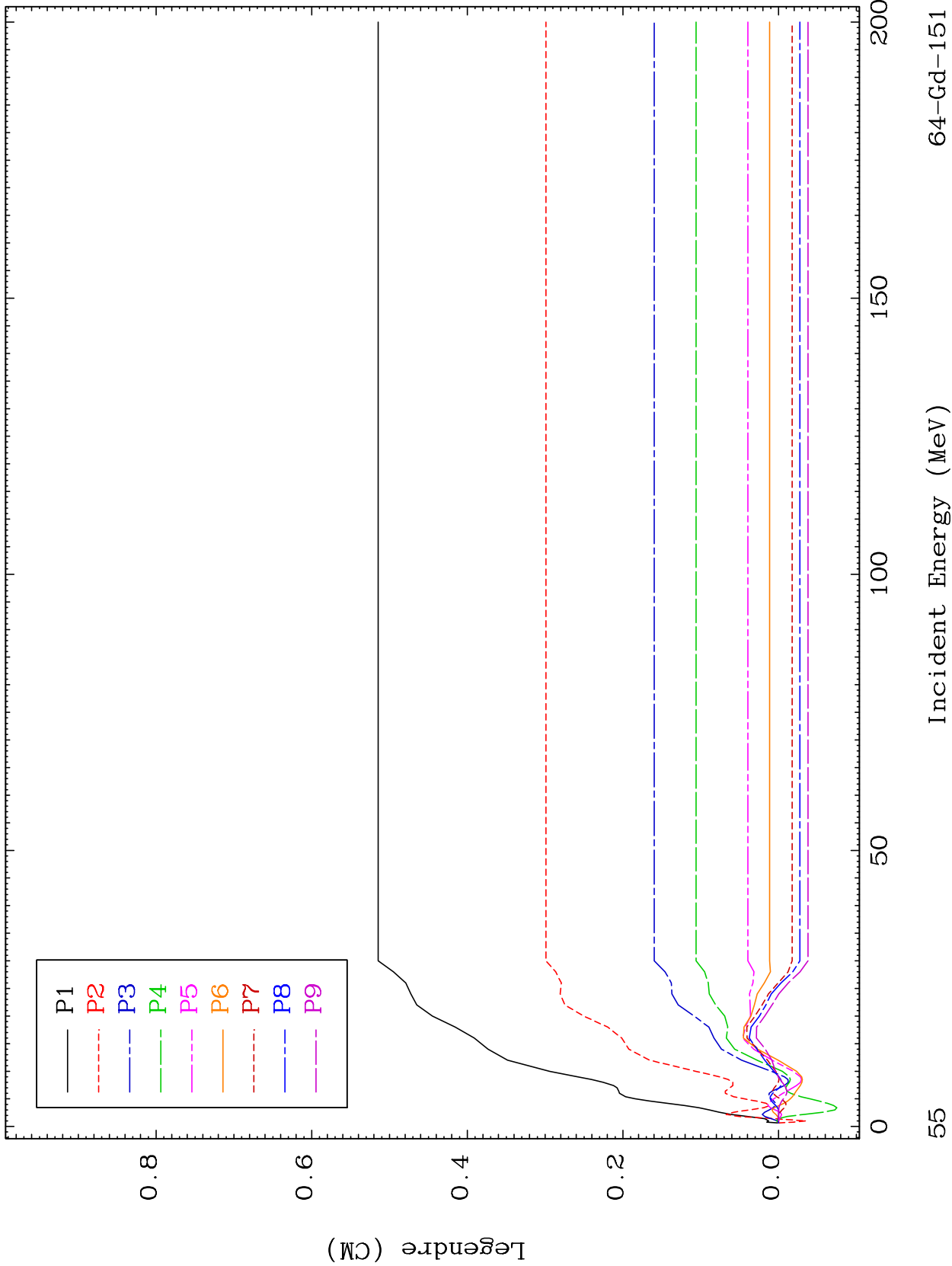
64-Gd-151



MAT 6422

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

64-Gd-151



64-Gd-151

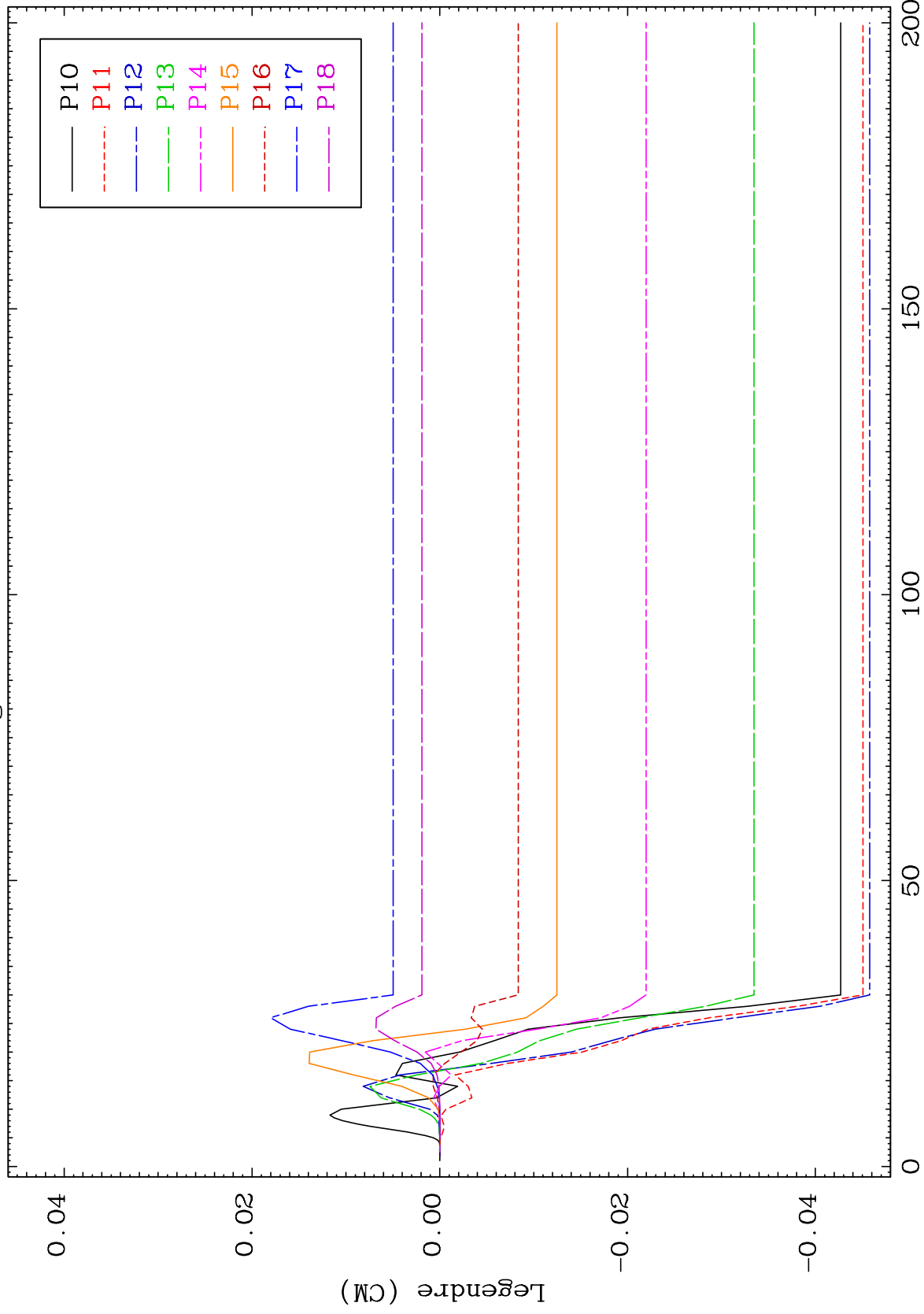
Incident Energy (MeV)

55

MAT 6422

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

64-Gd-151



56

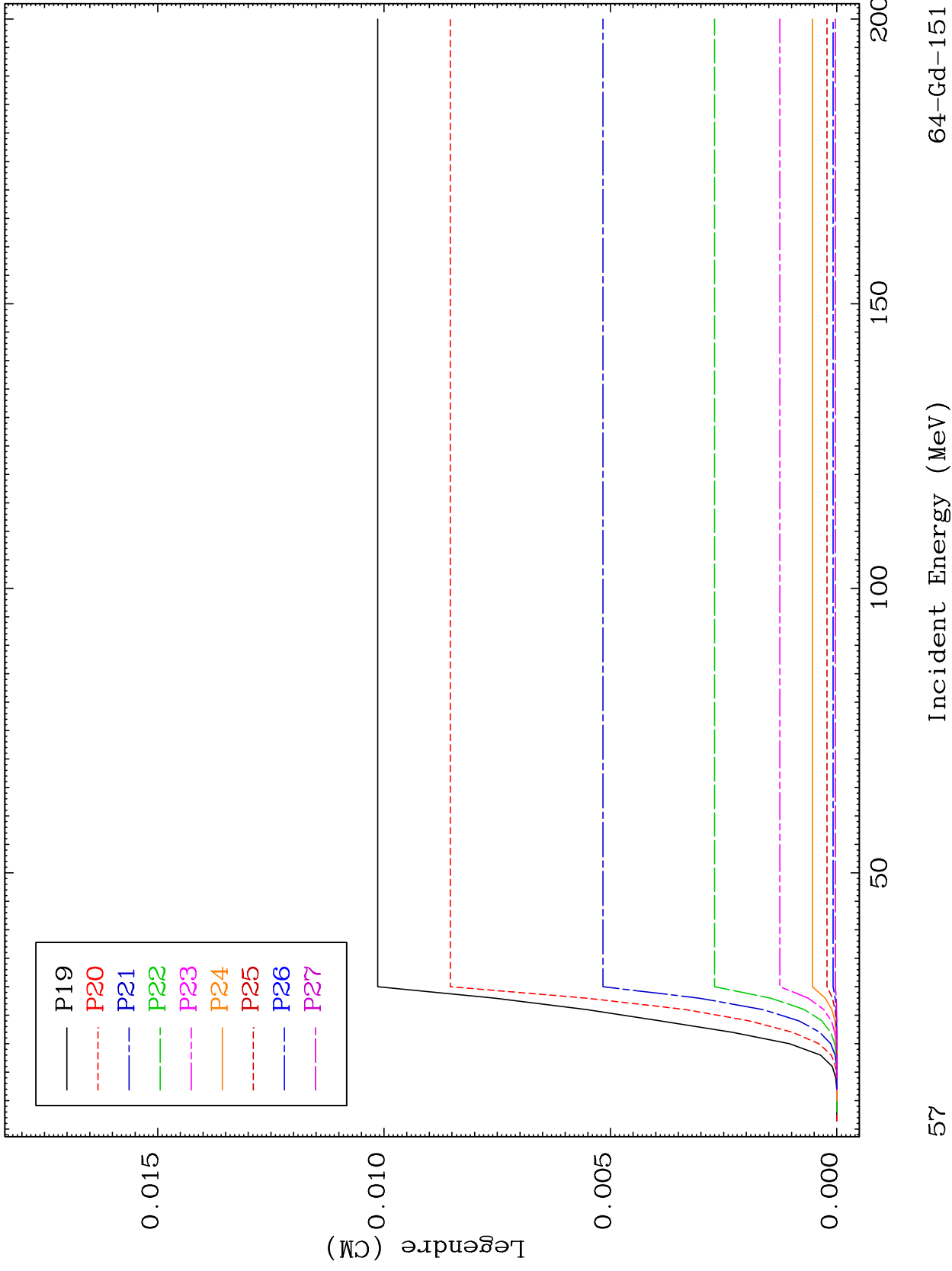
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



57

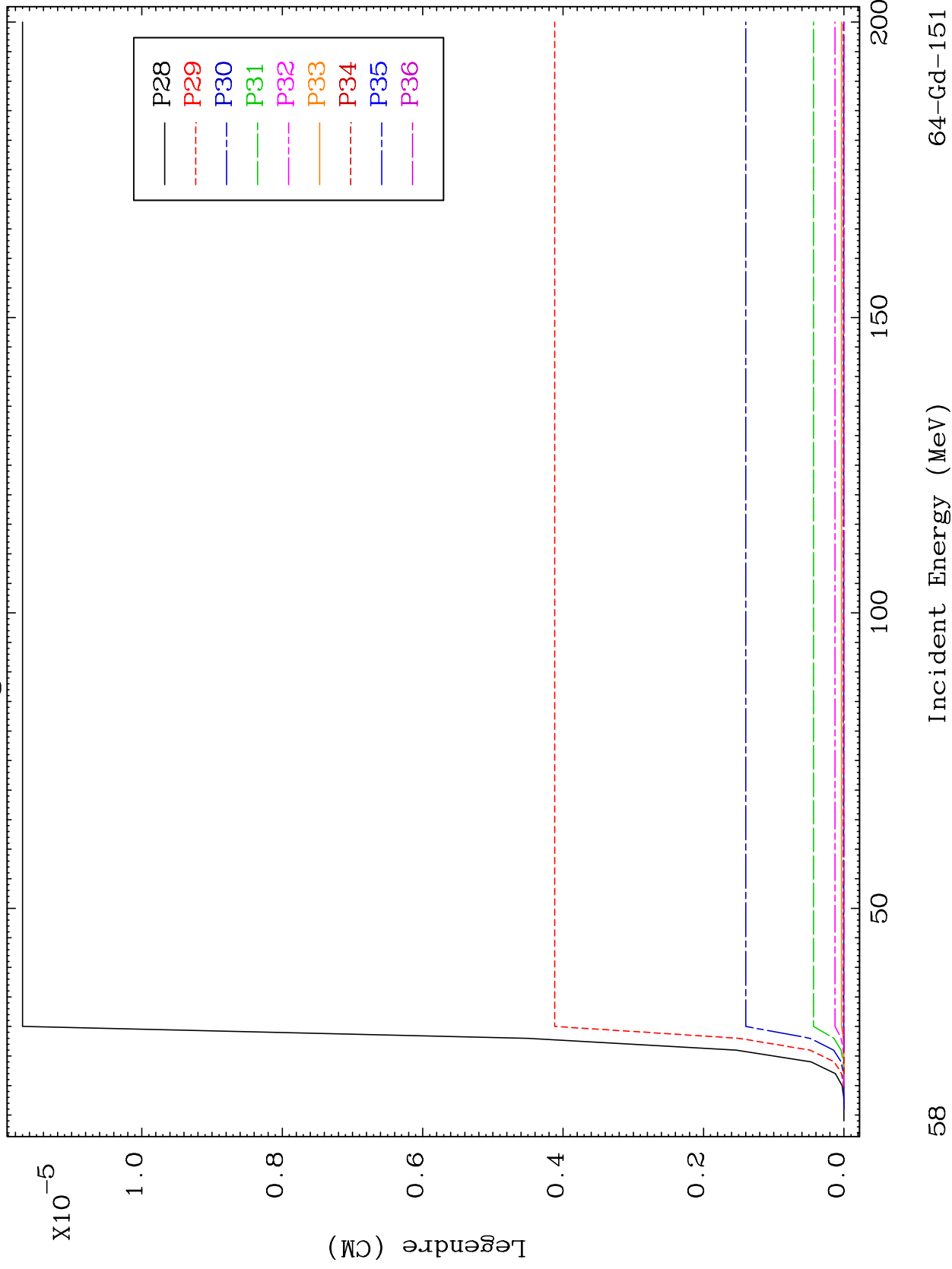
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



58

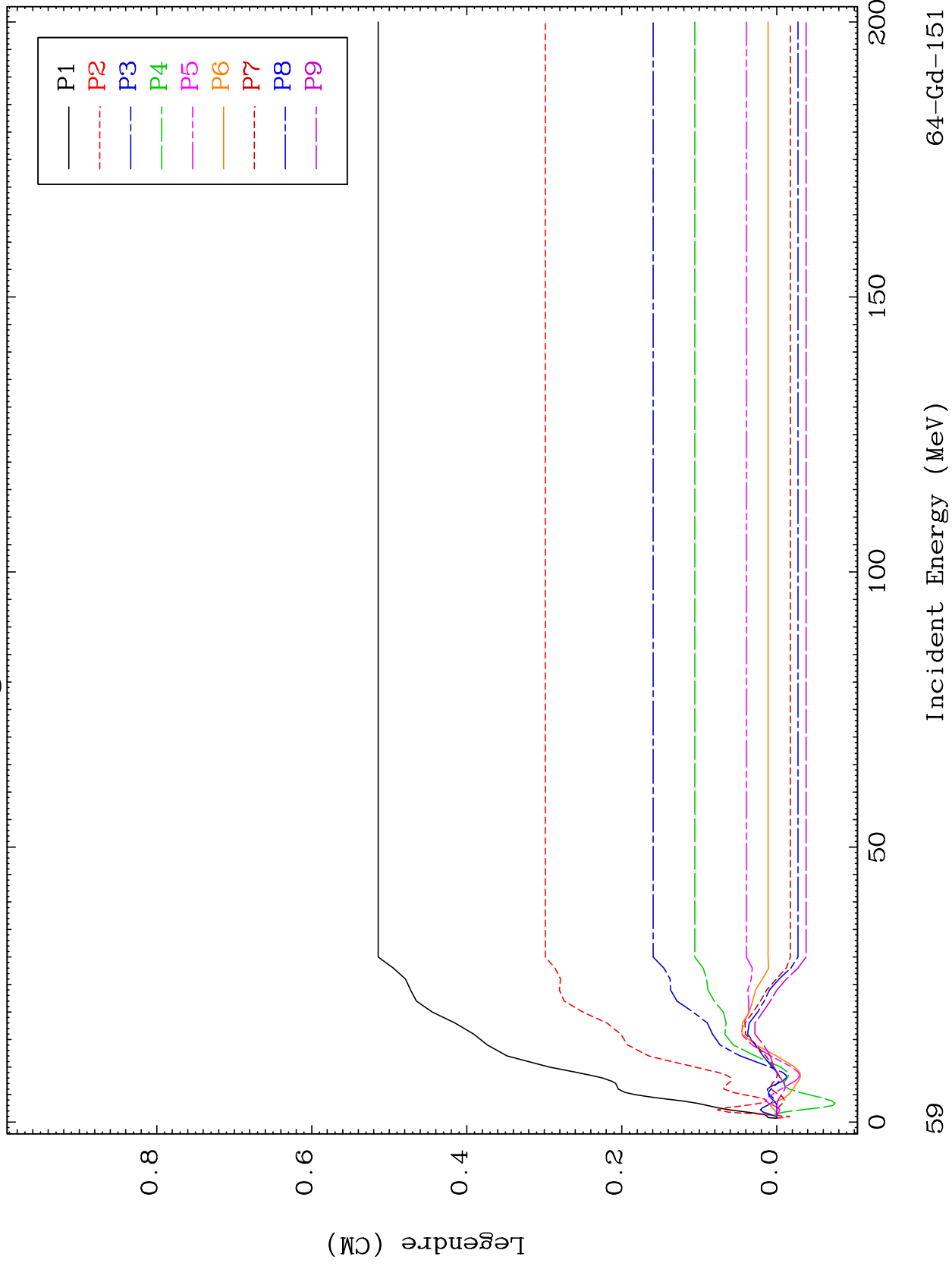
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151

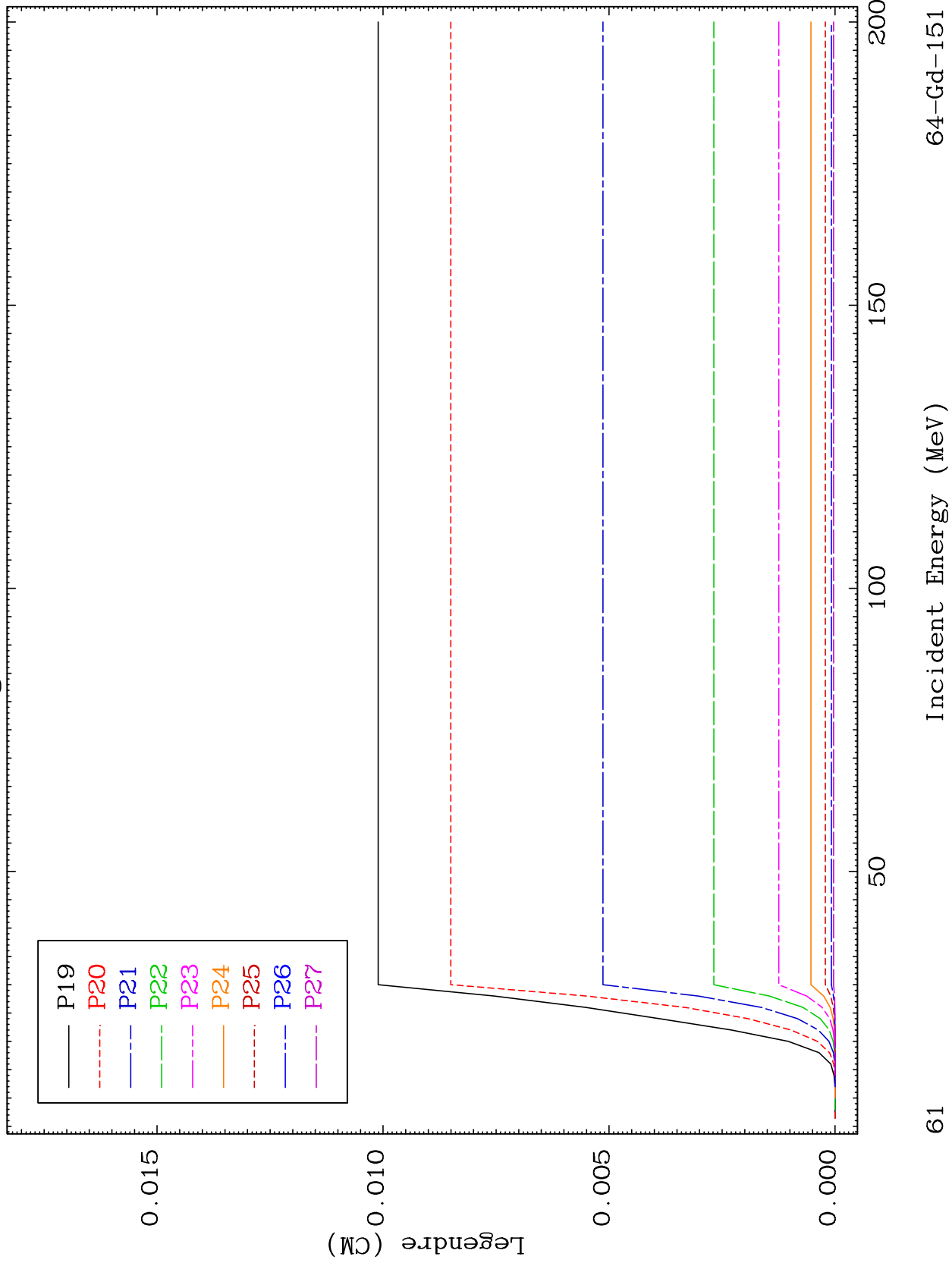


59

MAT 6422

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

64-Gd-151



61

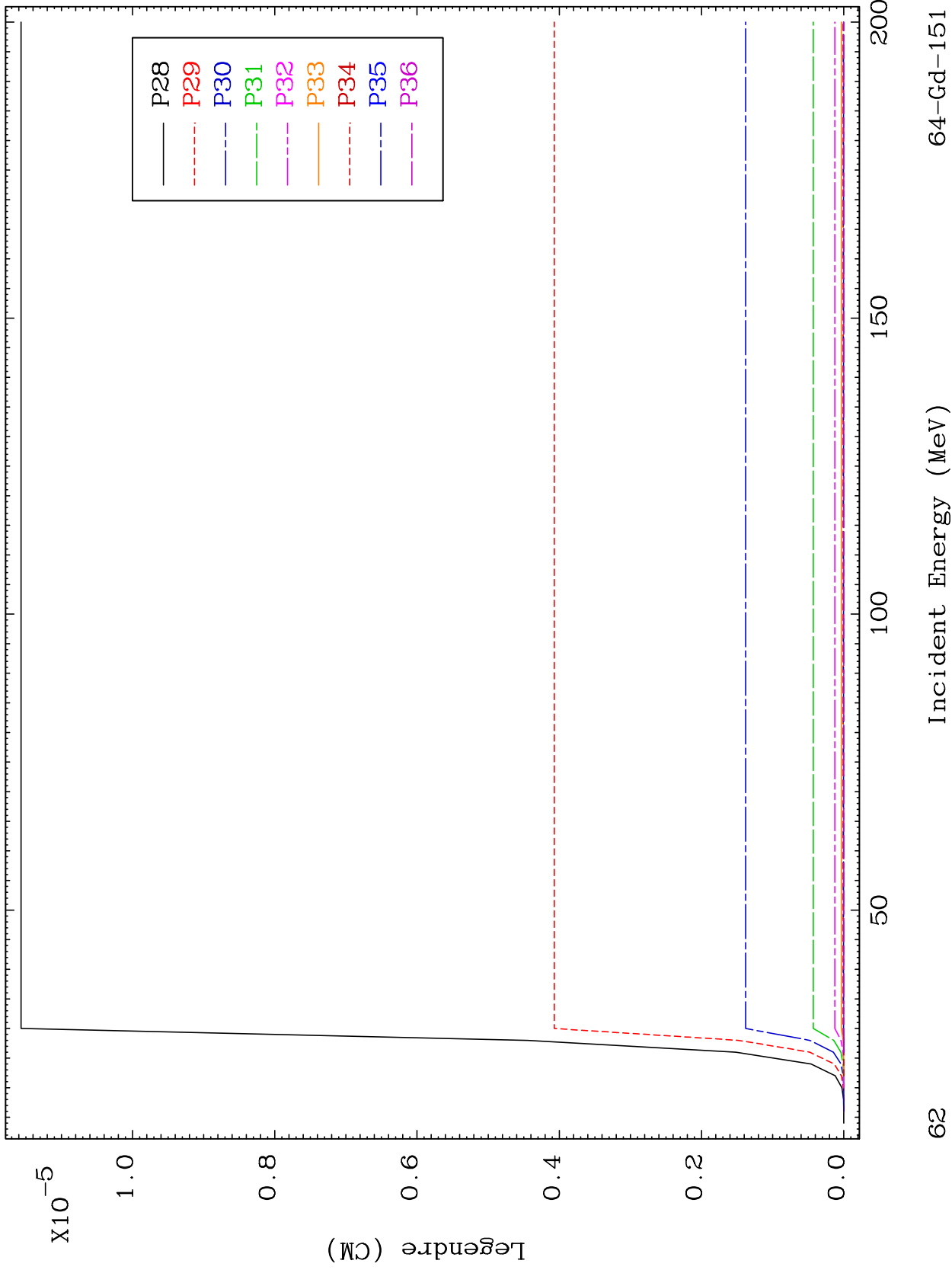
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



62

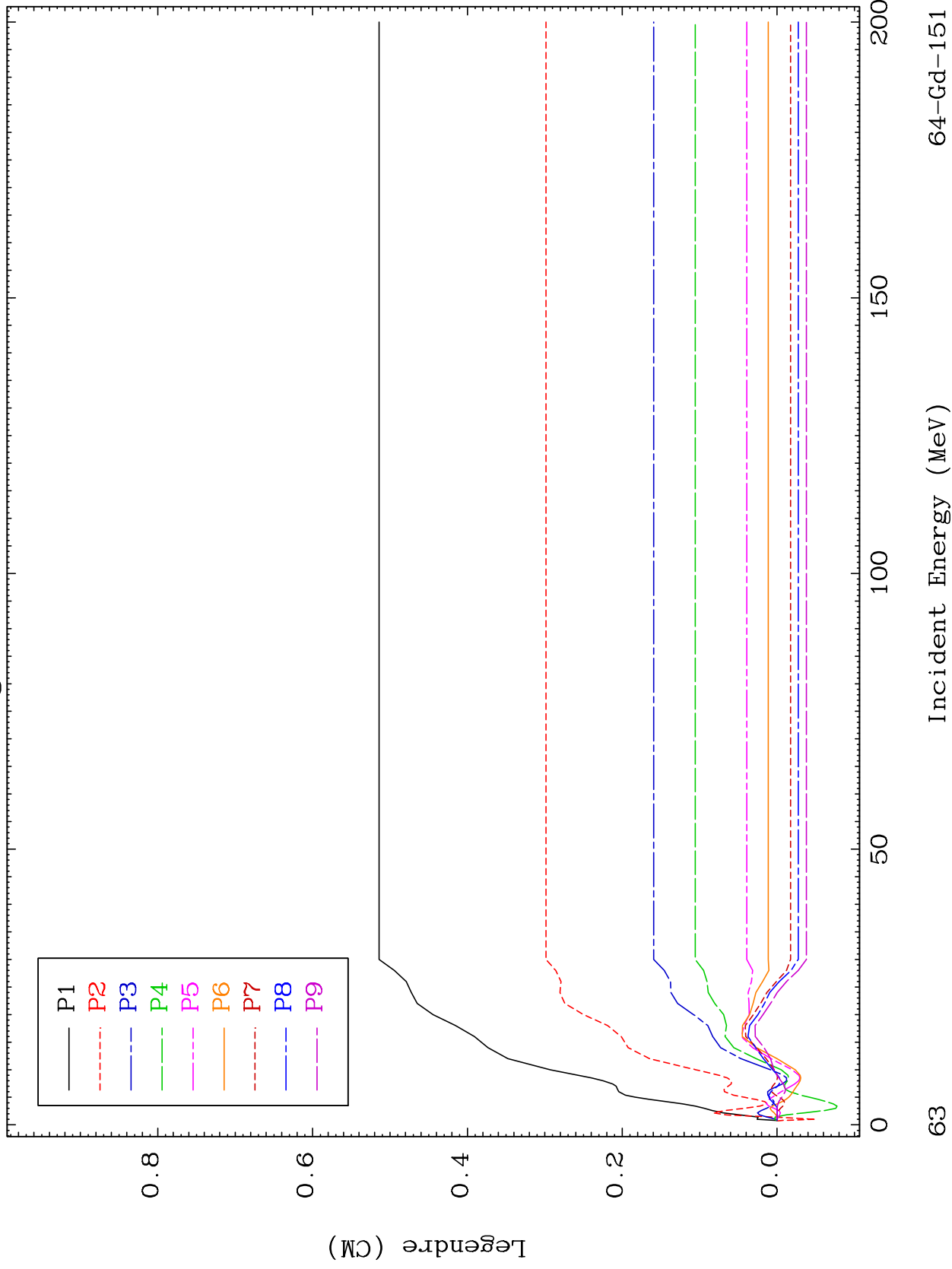
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



64-Gd-151

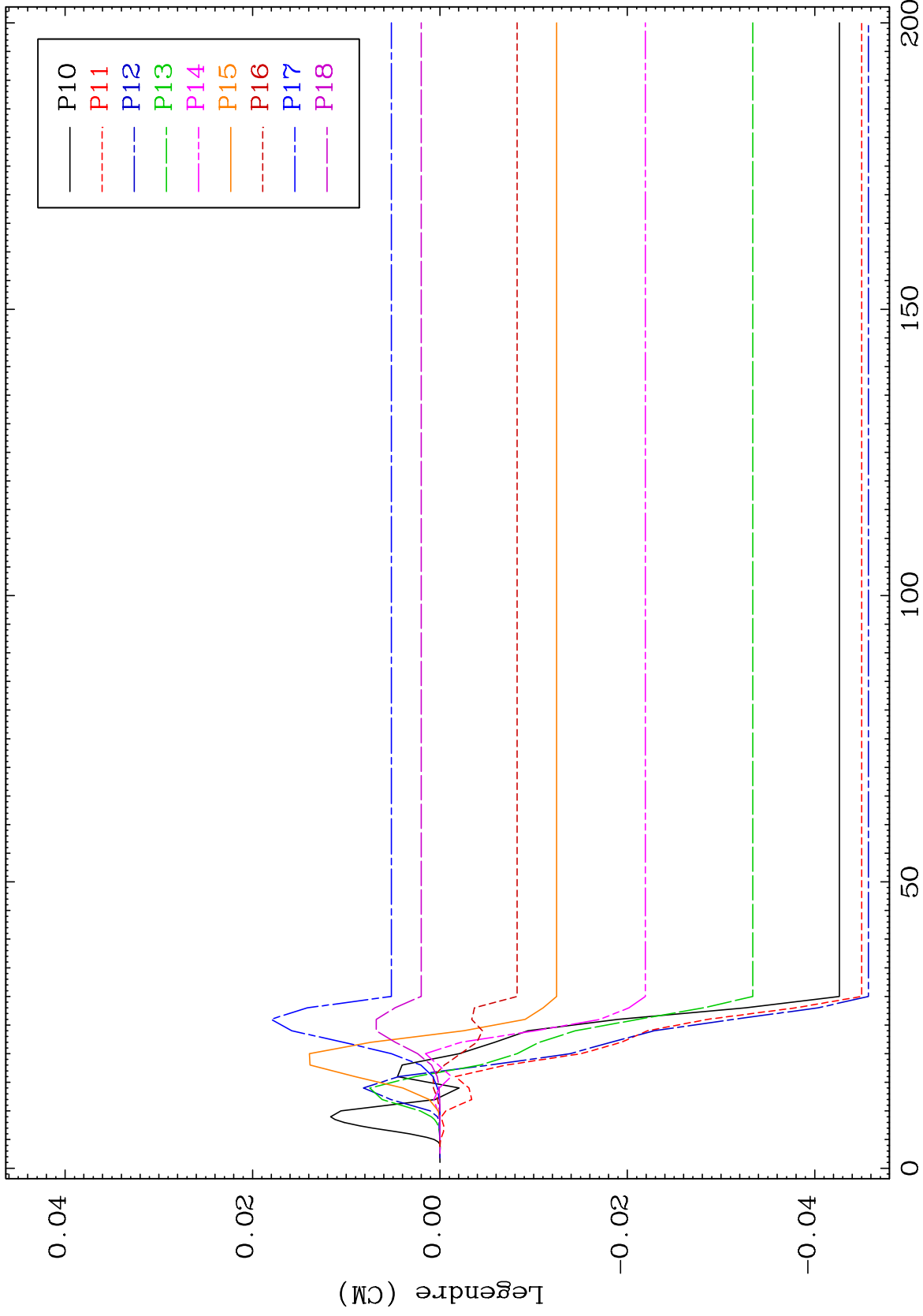
Incident Energy (MeV)

63

MAT 6422

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

64-Gd-151



64

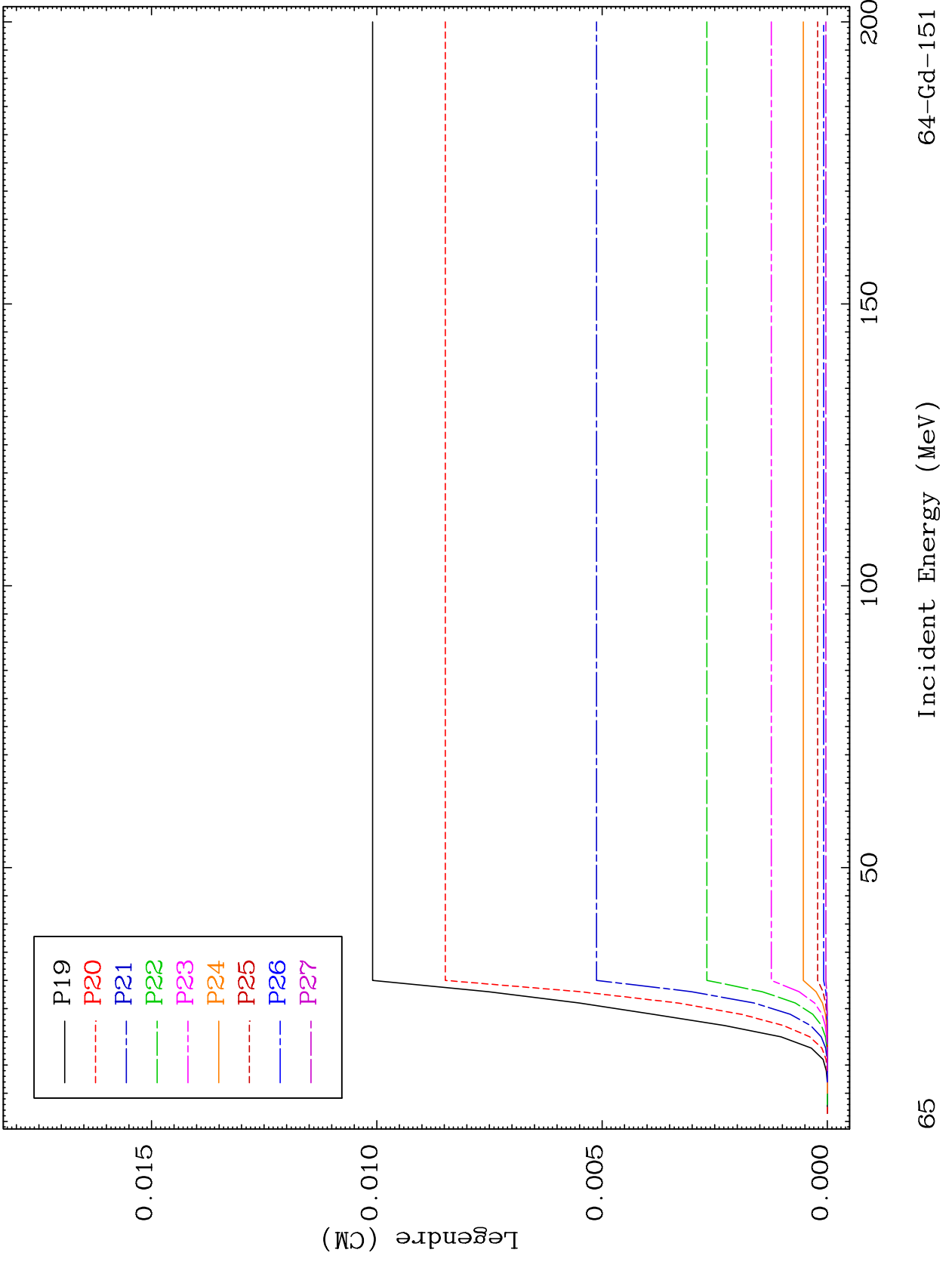
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



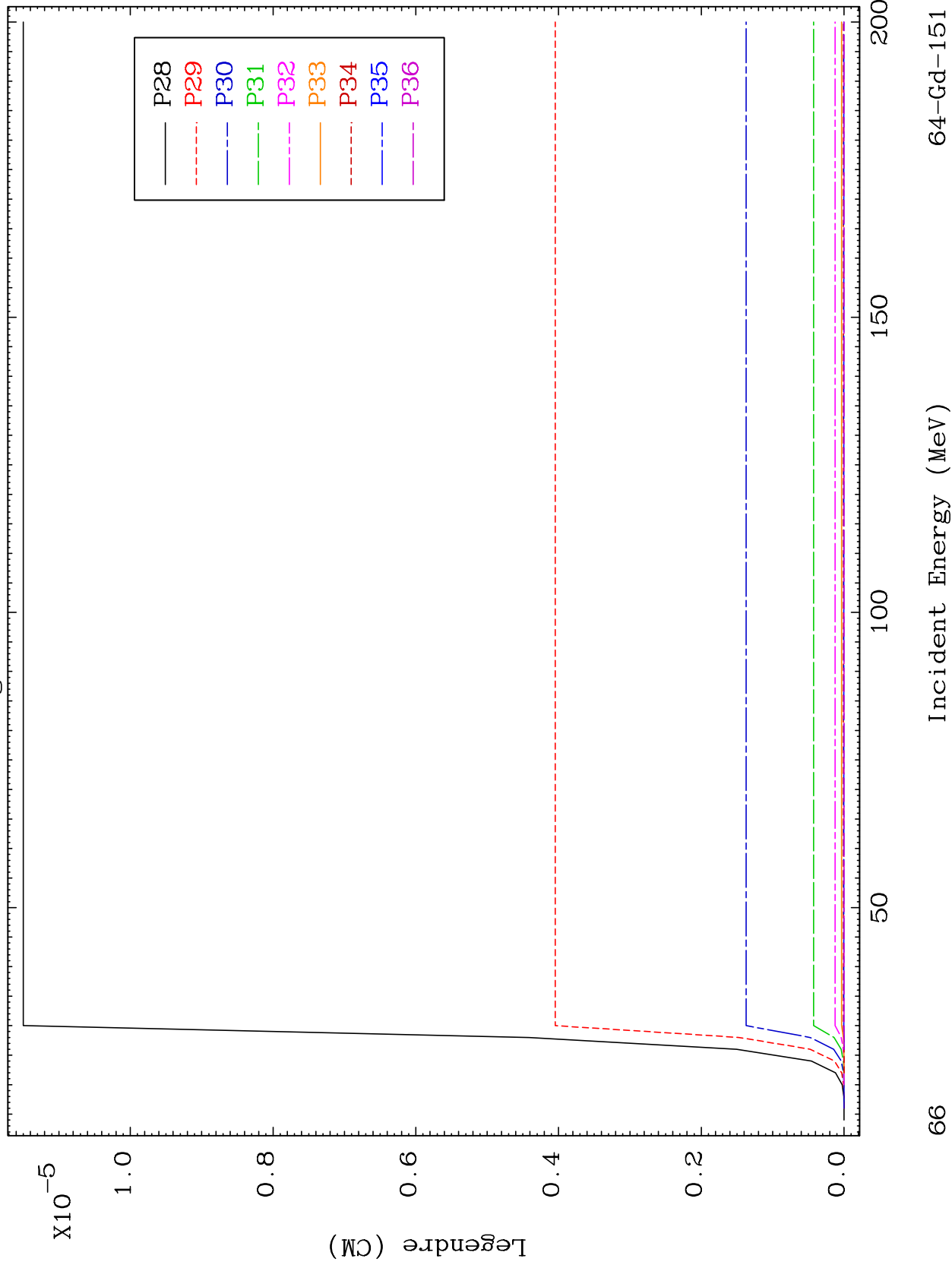
65

64-Gd-151

MAT 6422

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

64-Gd-151



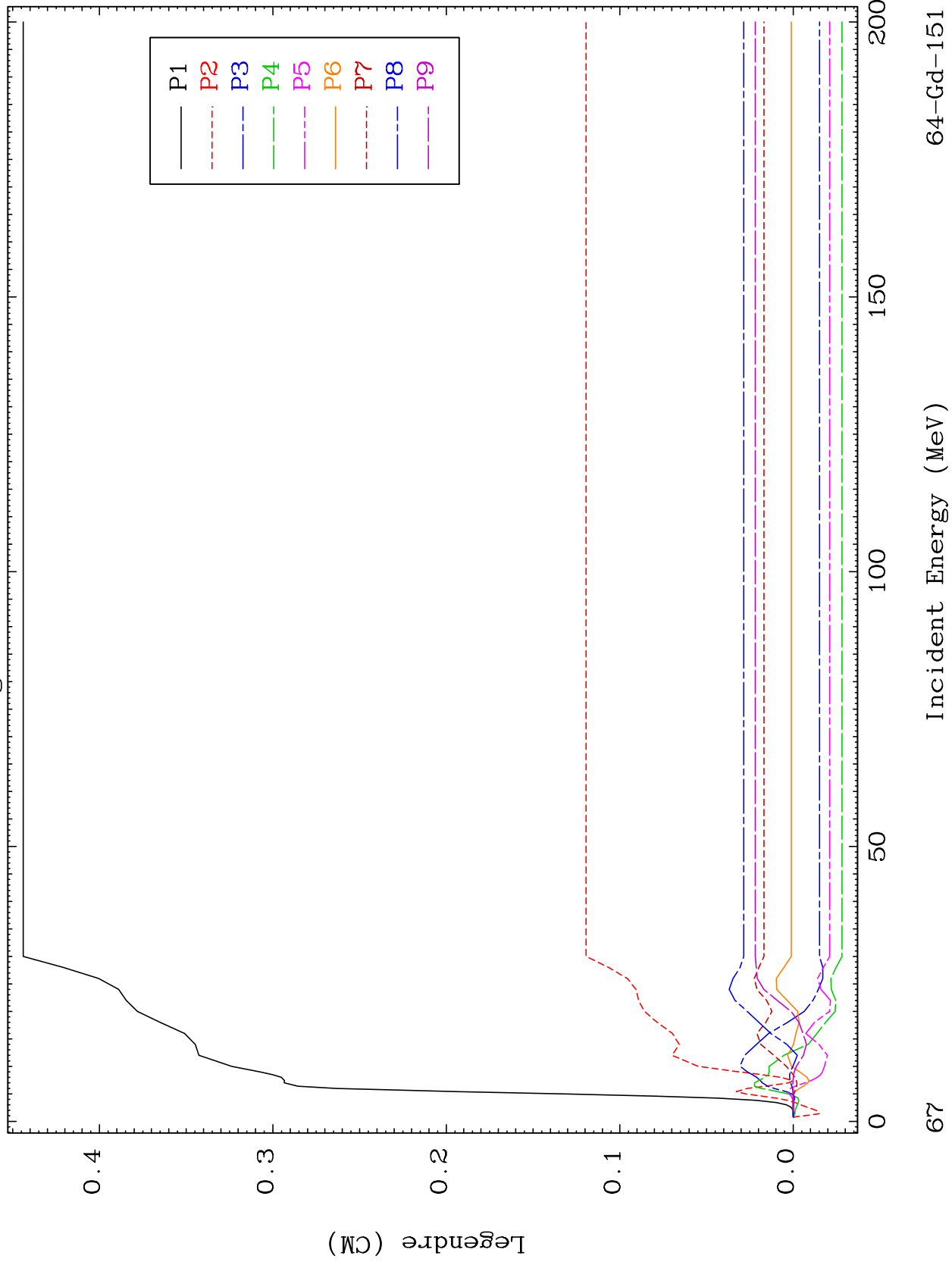
66

64-Gd-151

MAT 6422

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

64-Gd-151



64-Gd-151

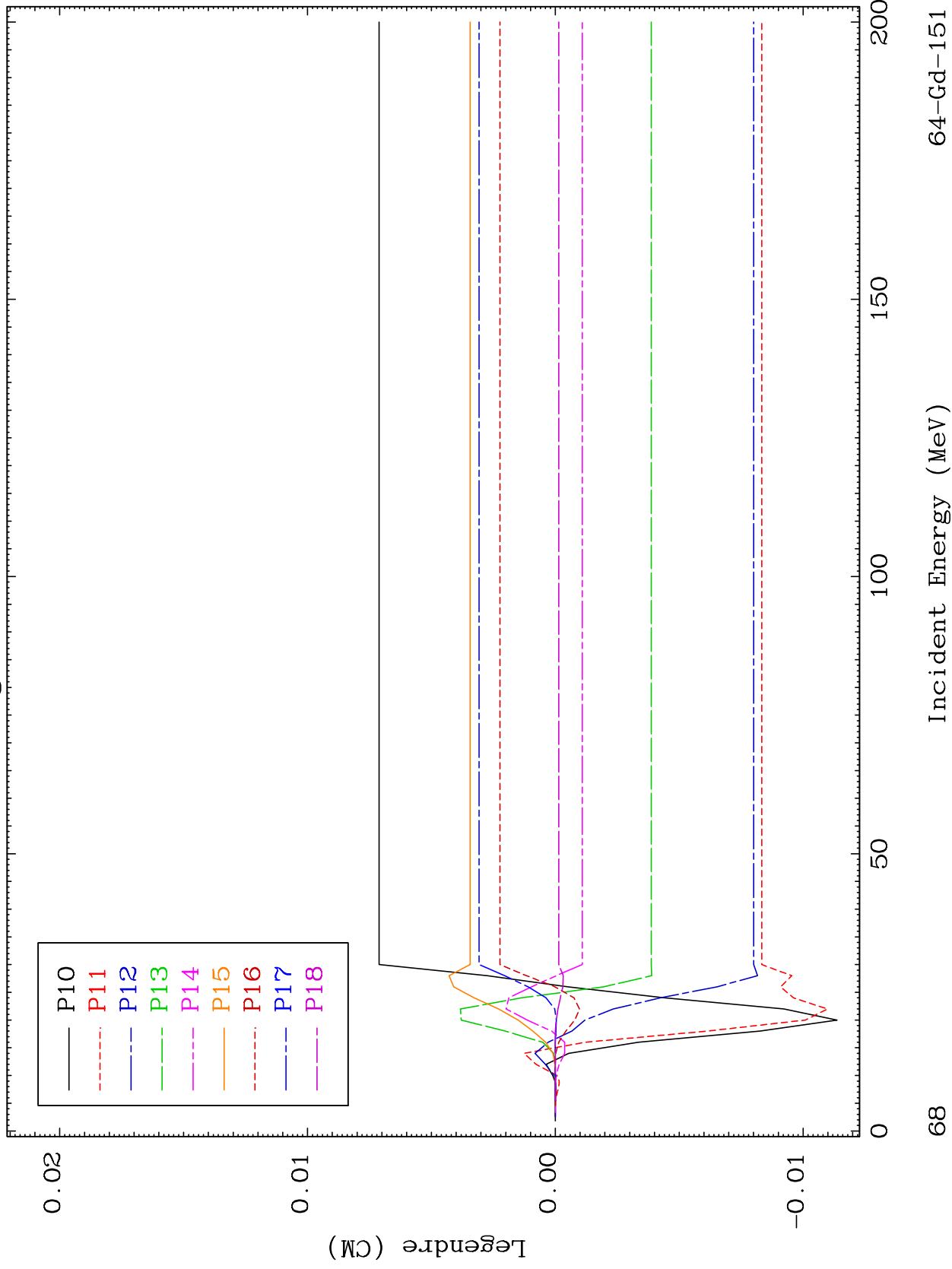
Incident Energy (MeV)

67

MAT 6422

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

64-Gd-151



64-Gd-151

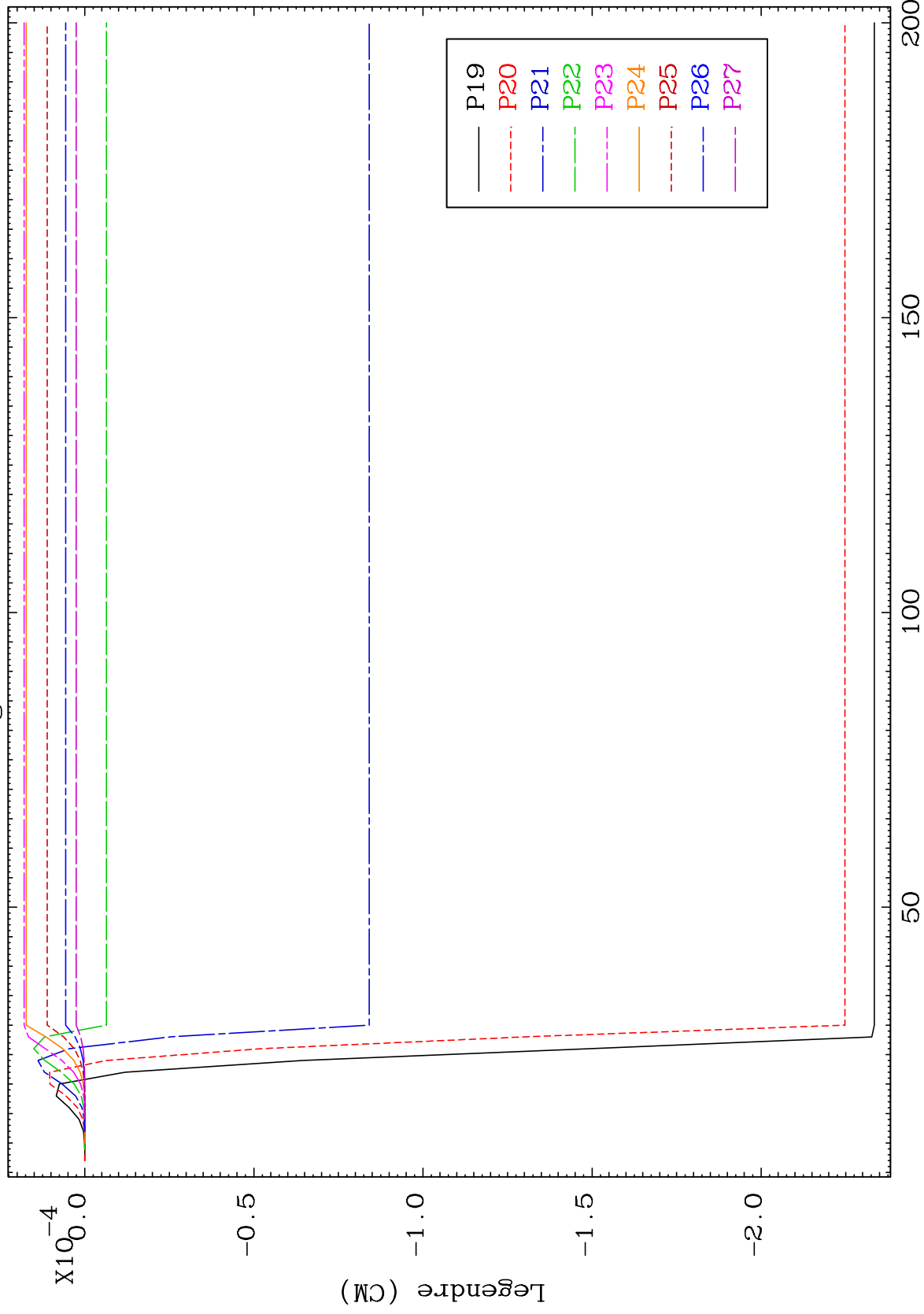
Incident Energy (MeV)

68

MAT 6422

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

64-Gd-151



69

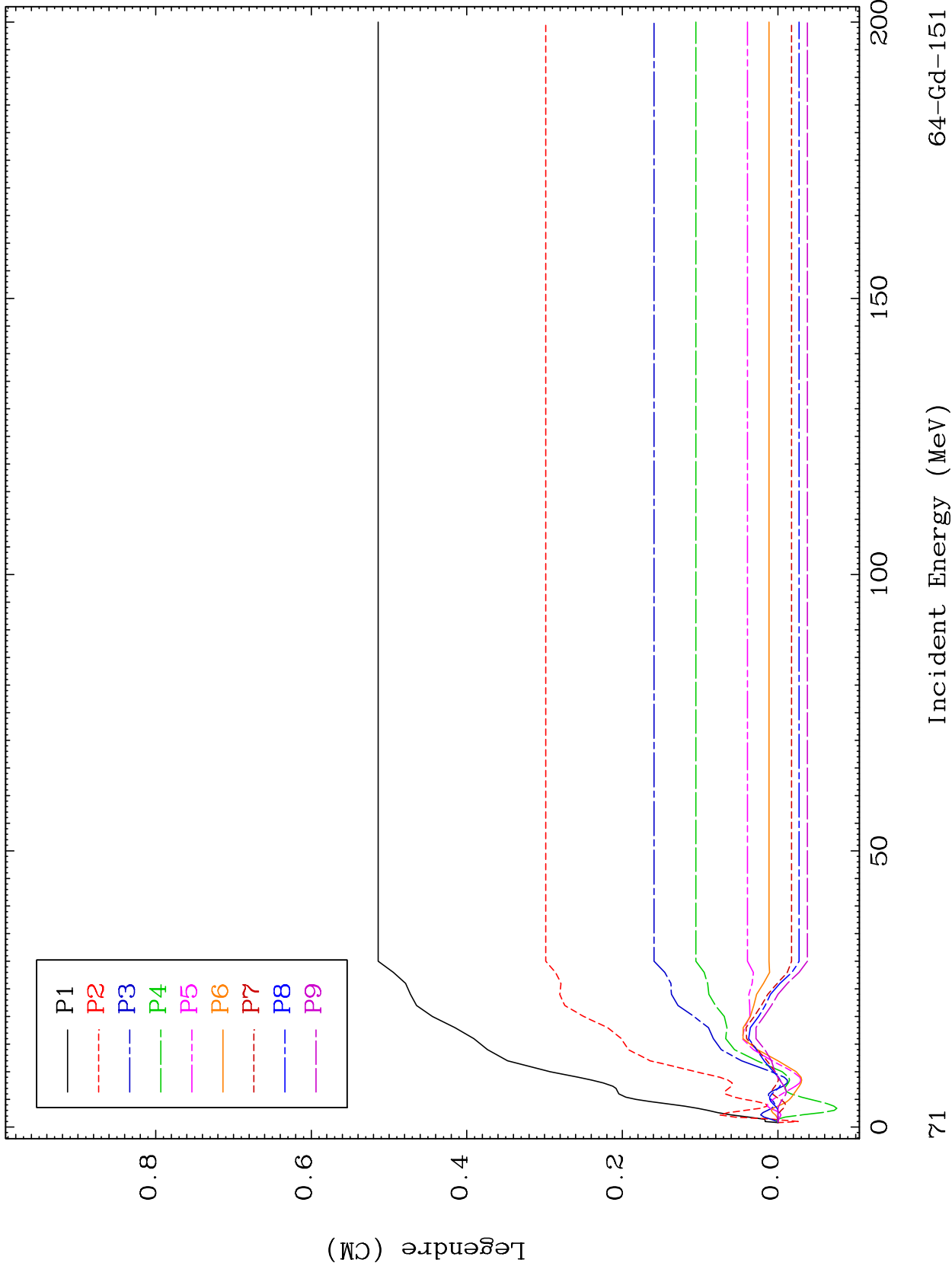
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



64-Gd-151

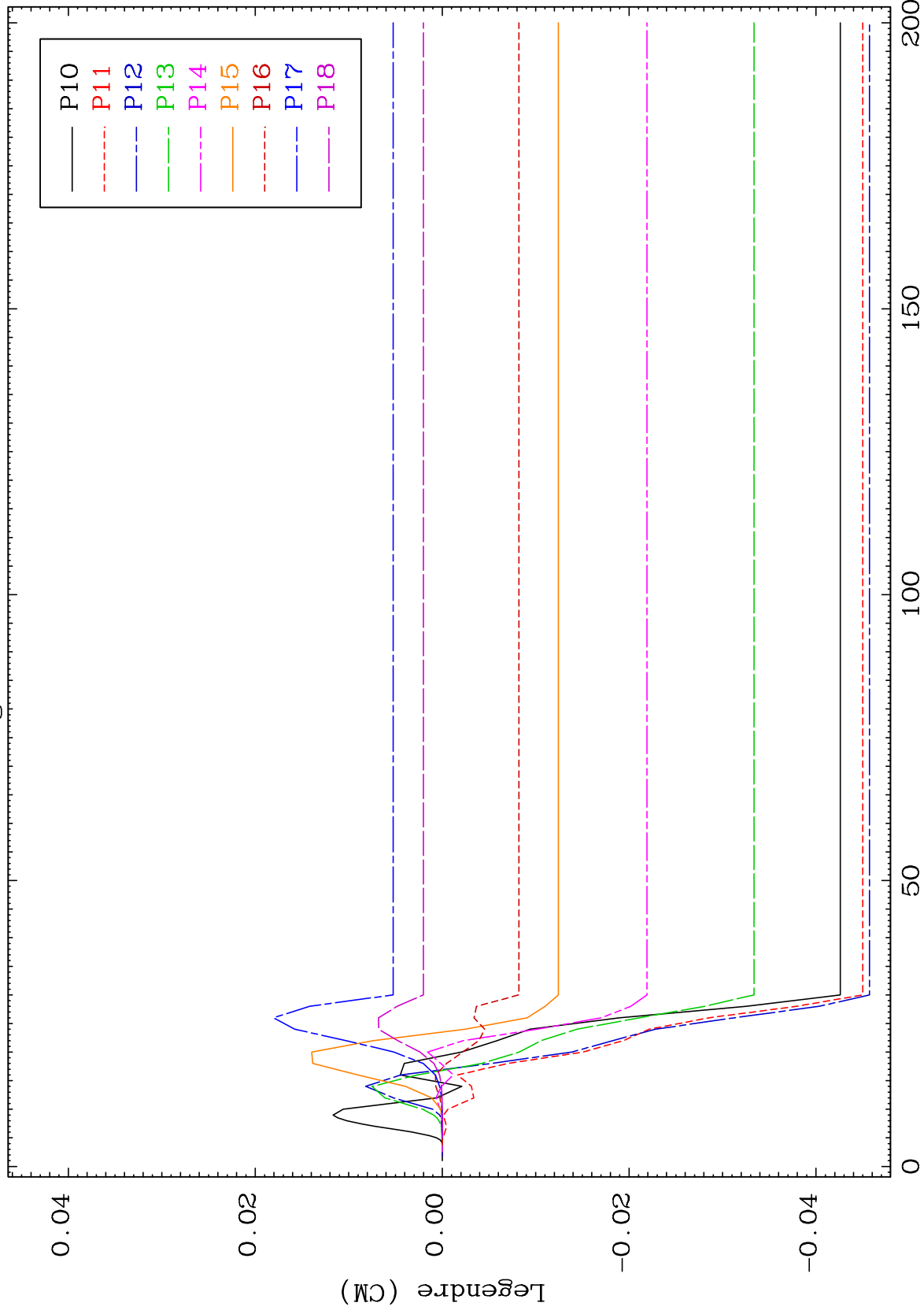
Incident Energy (MeV)

71

MAT 6422

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

64-Gd-151



72

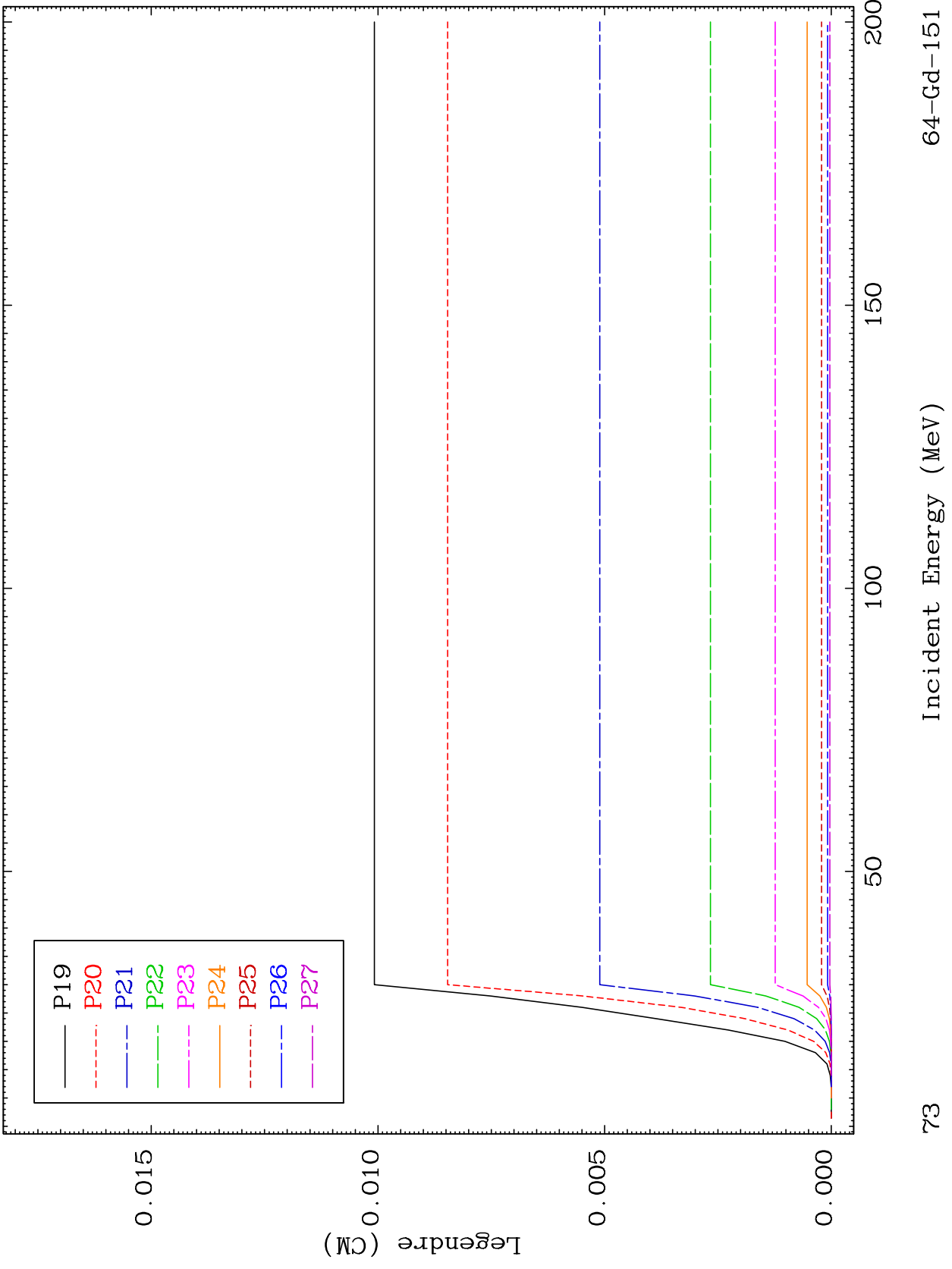
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151

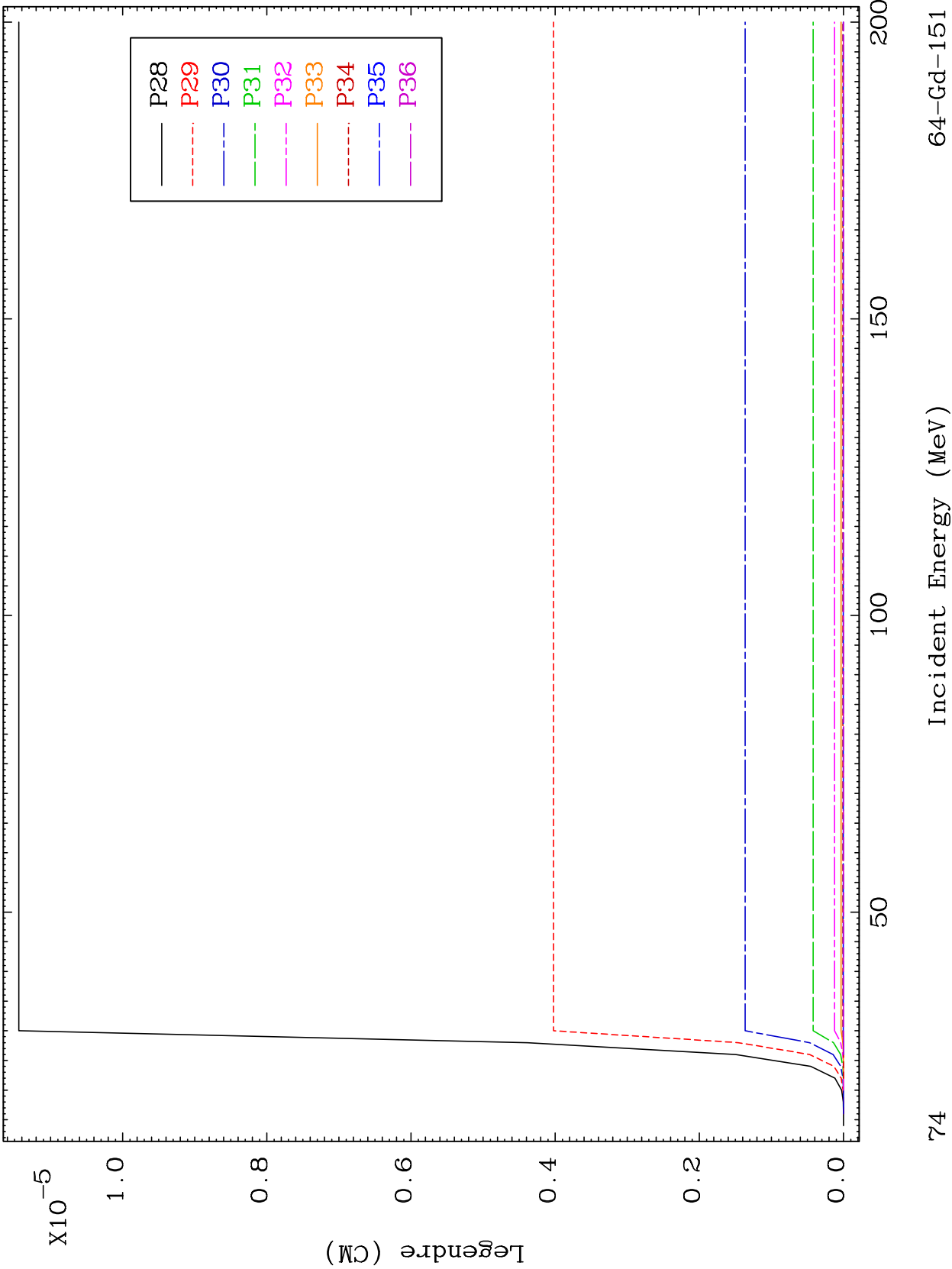


73

MAT 6422

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

64-Gd-151



74

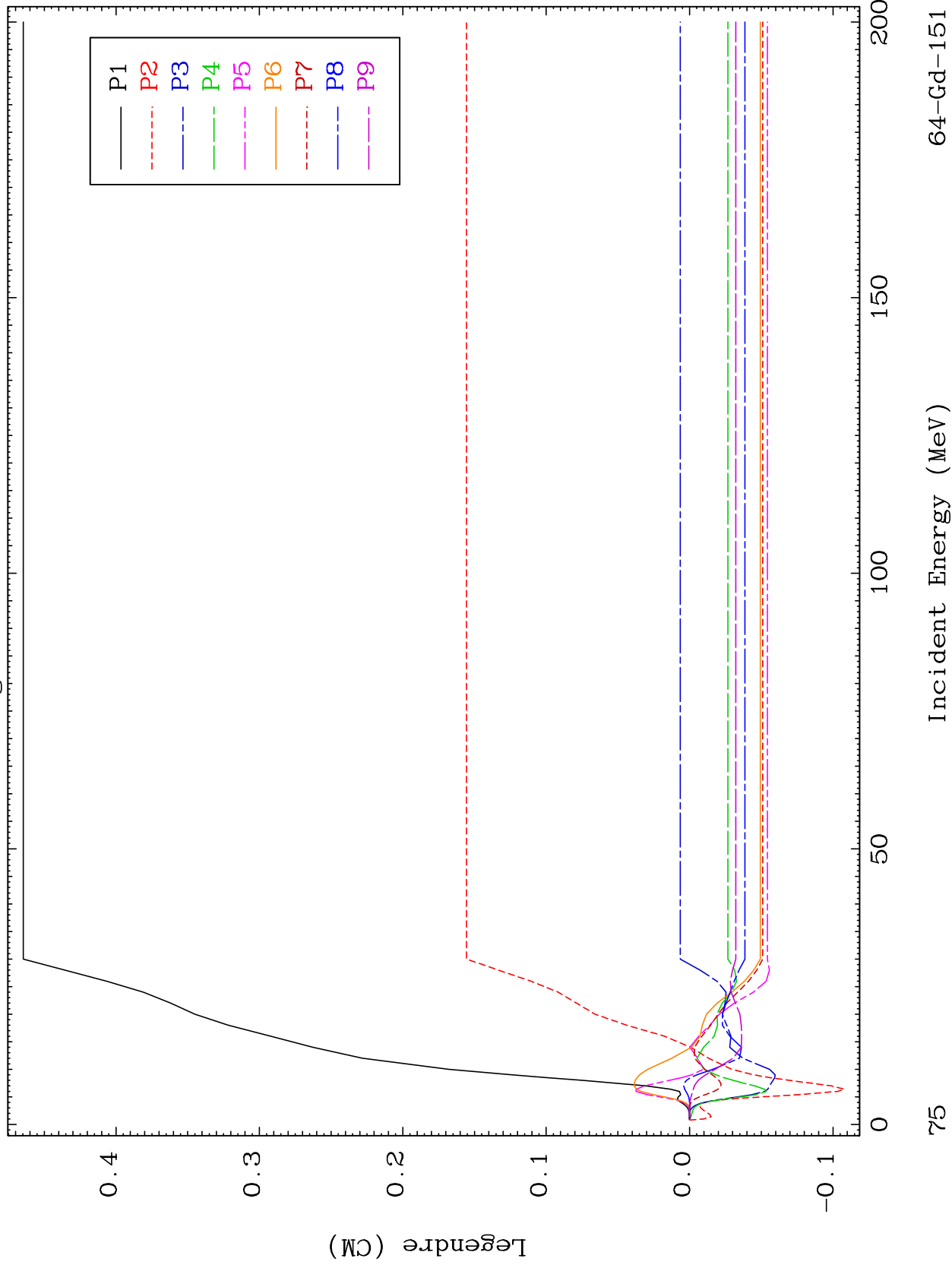
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



64-Gd-151

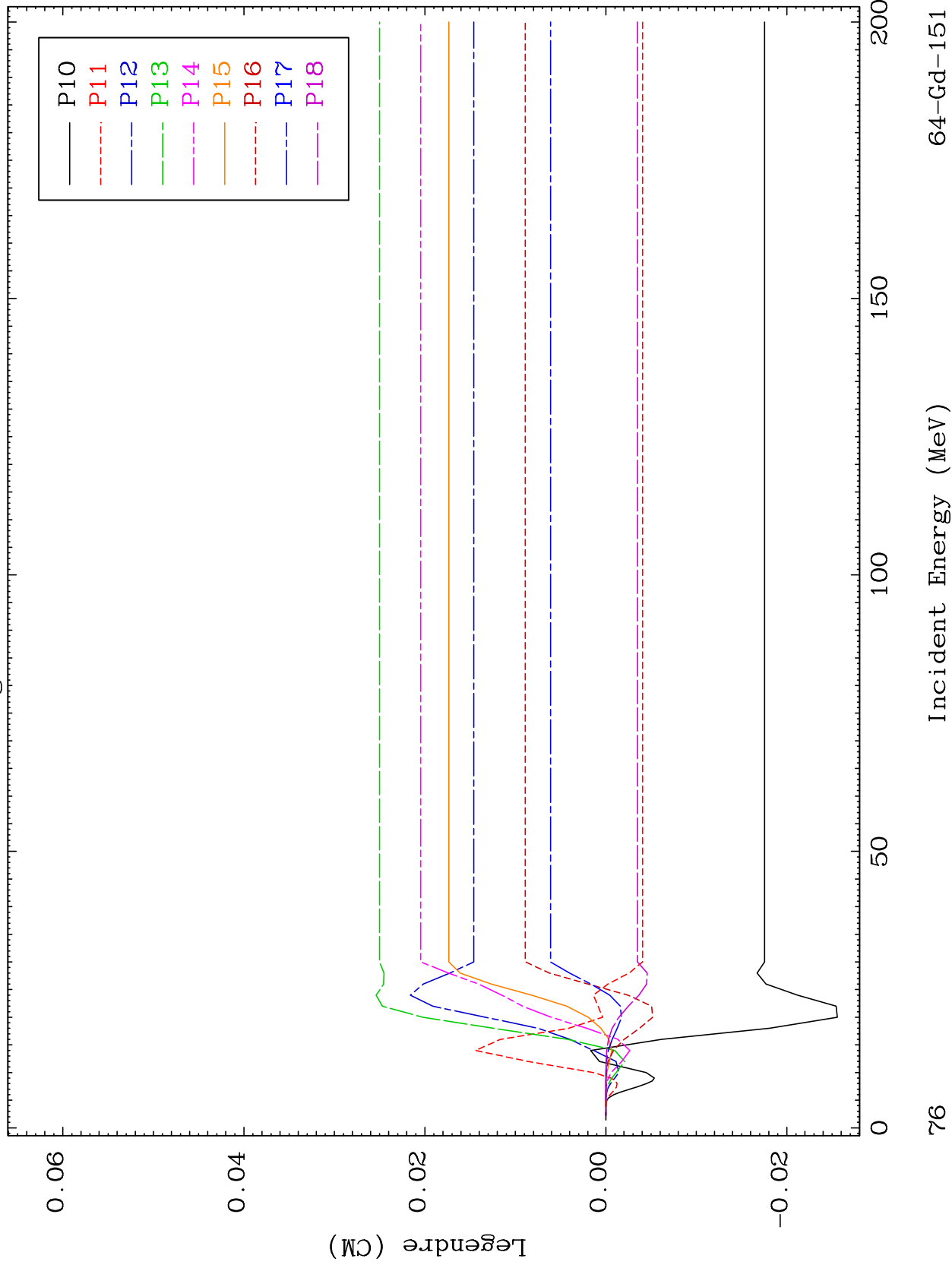
Incident Energy (MeV)

75

MAT 6422

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

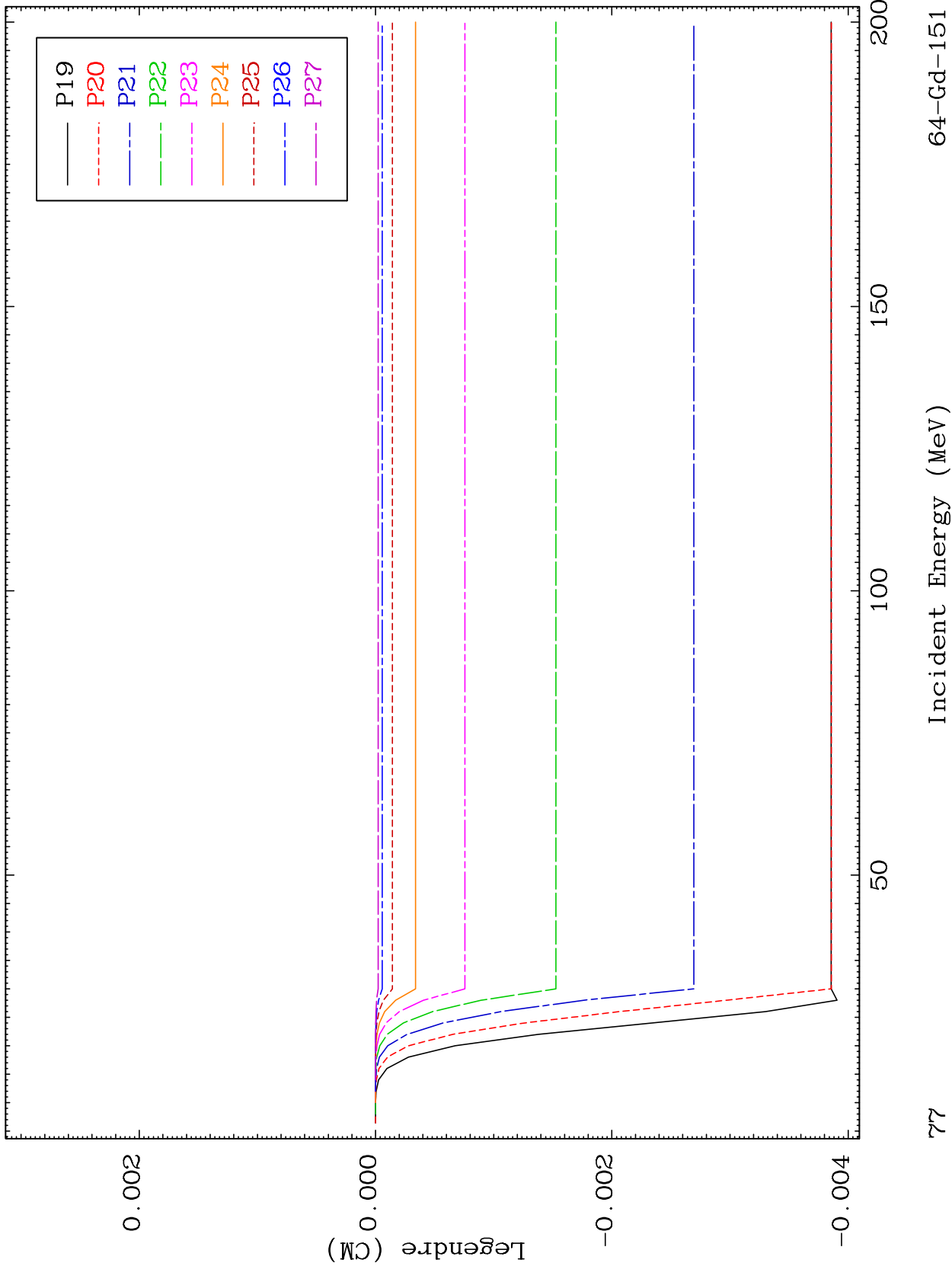
64-Gd-151



MAT 6422

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

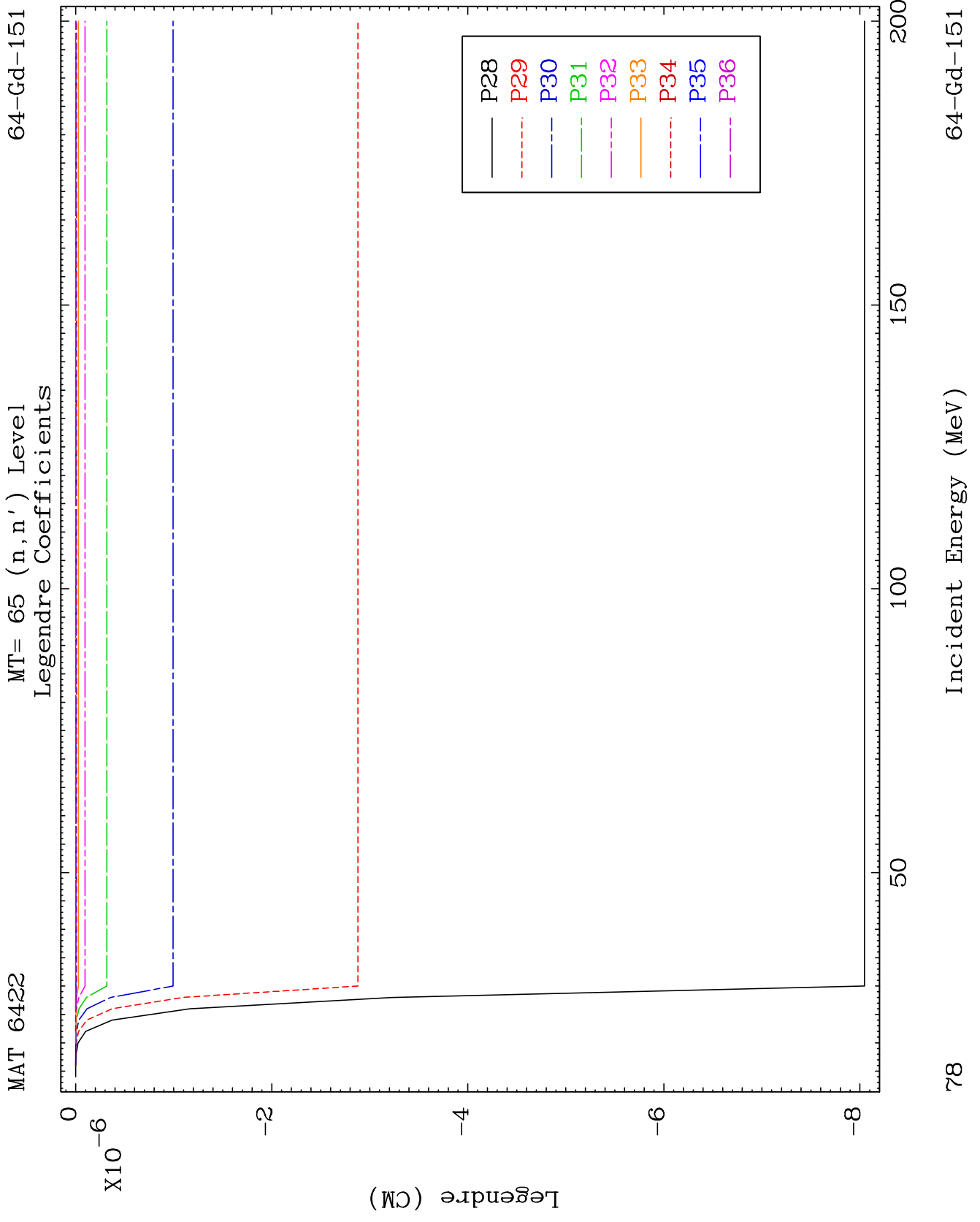
64-Gd-151



77

Incident Energy (MeV)

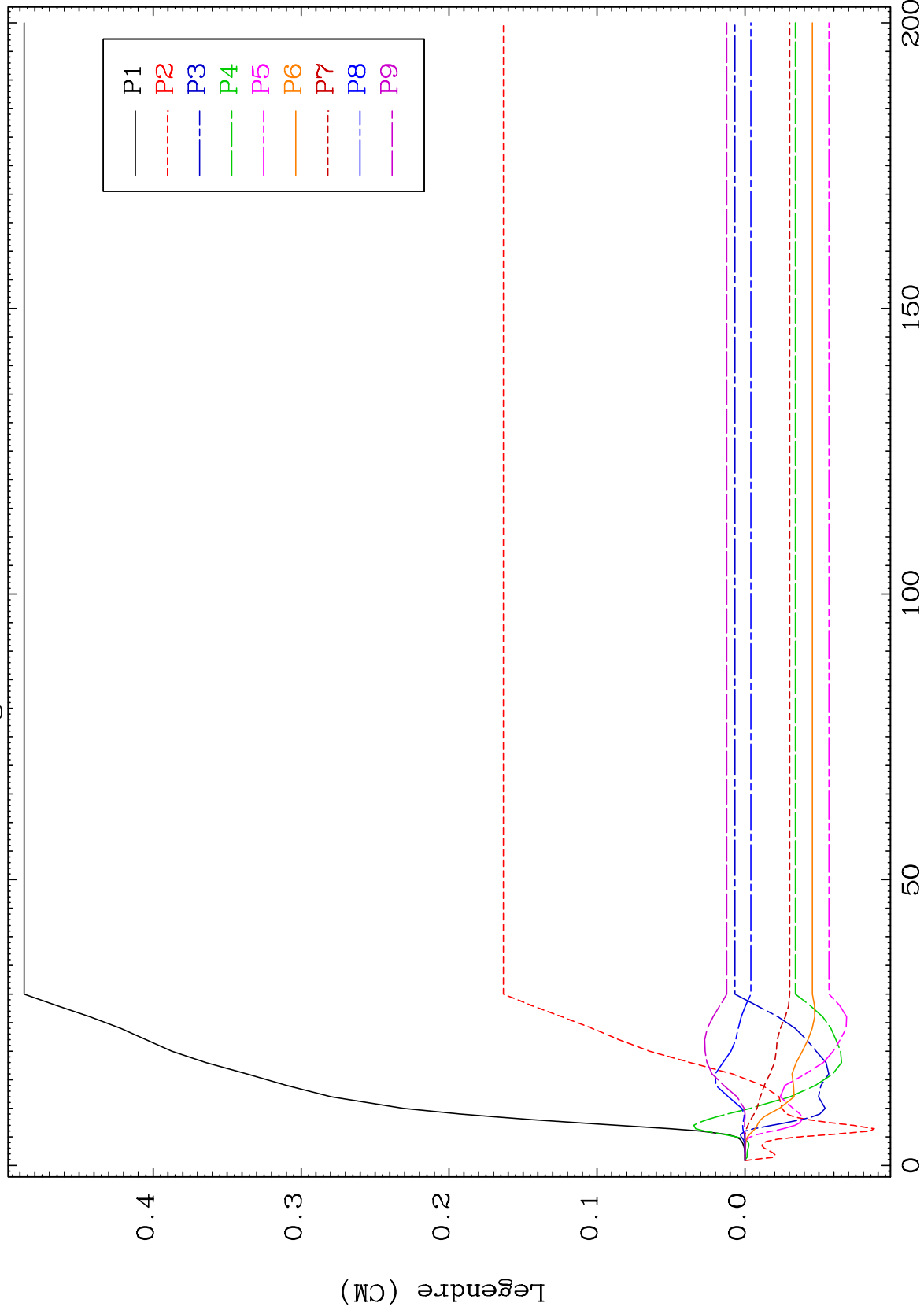
64-Gd-151



MAT 6422

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

64-Gd-151



79

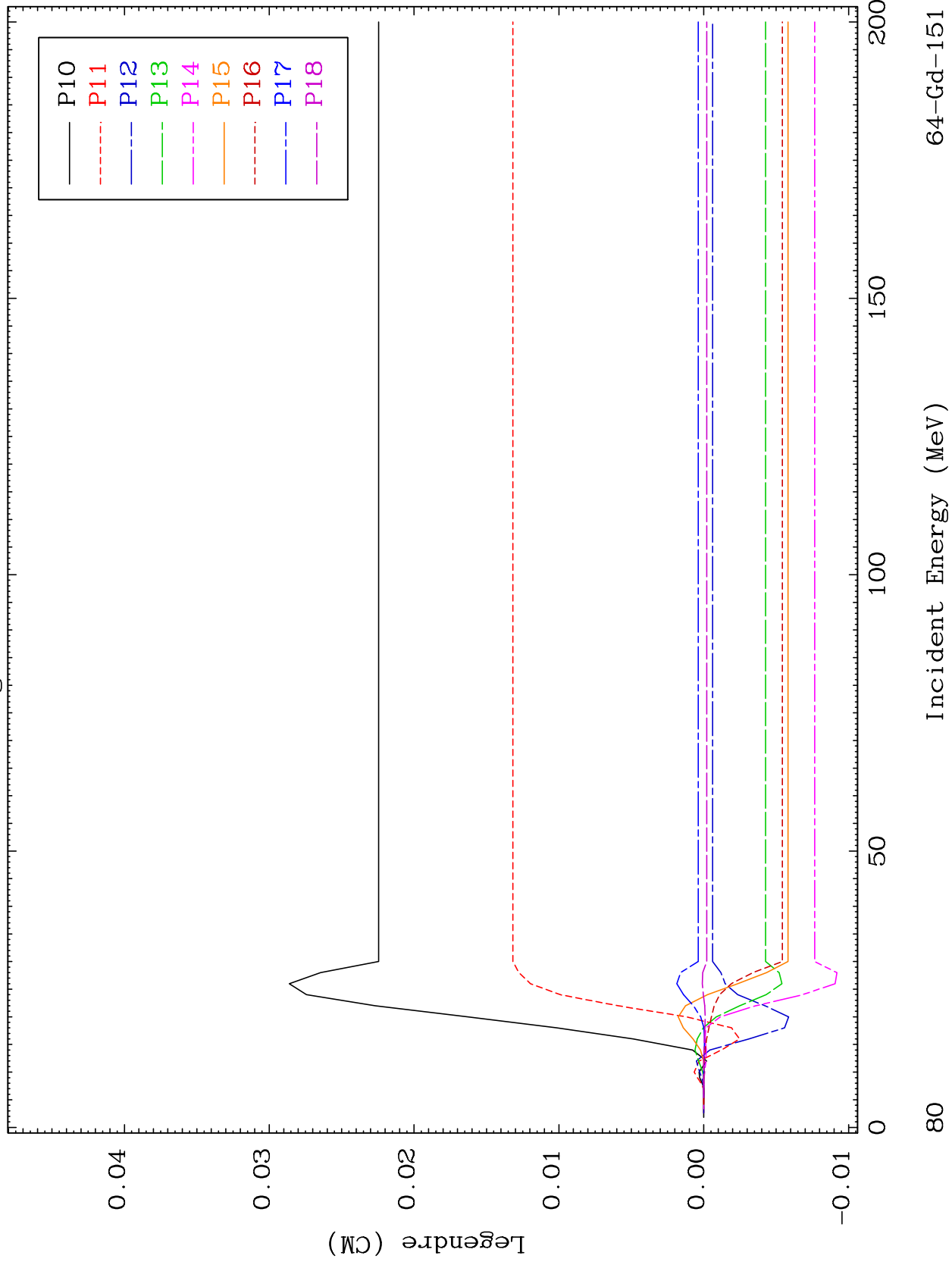
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



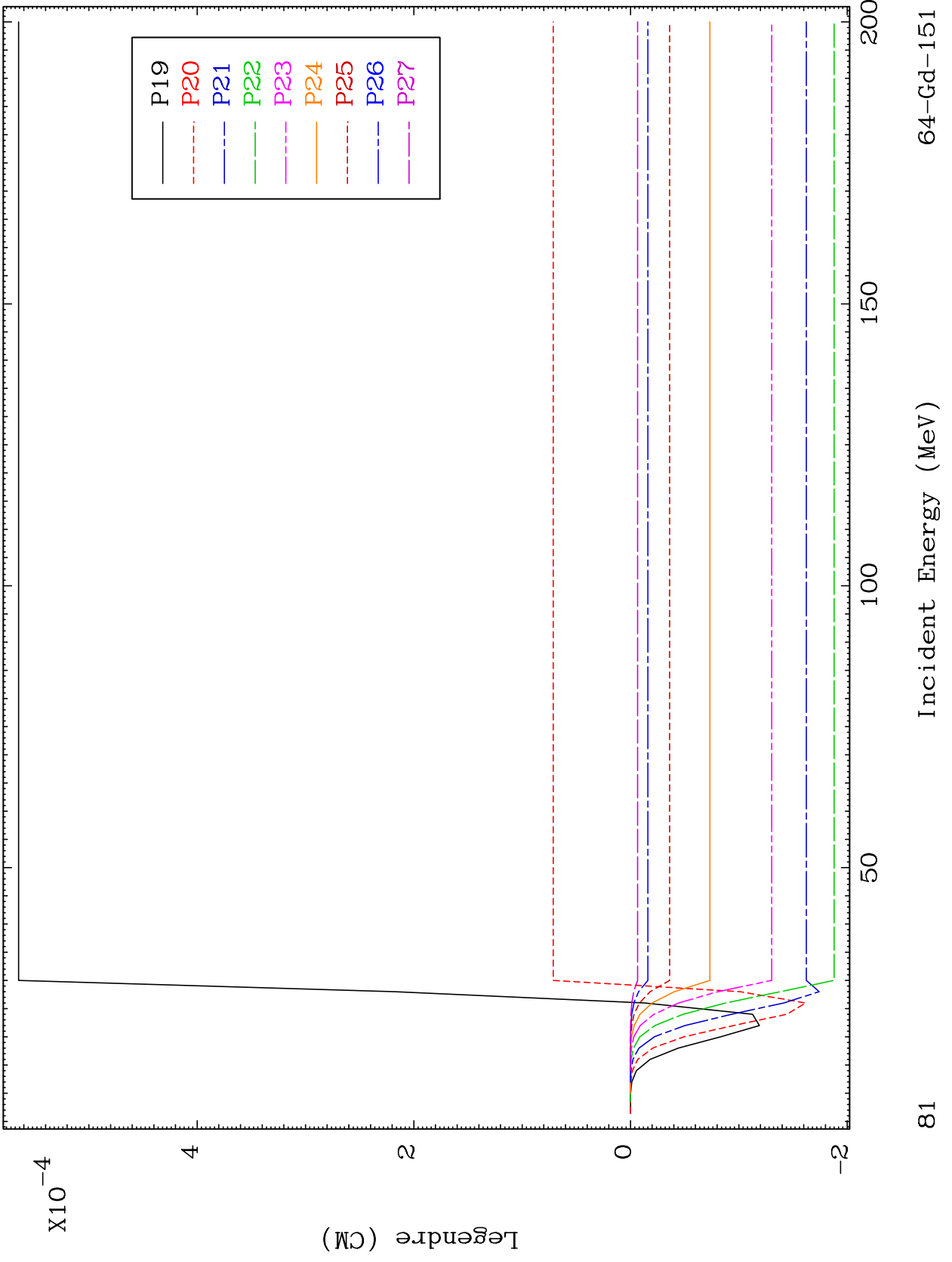
64-Gd-151

Incident Energy (MeV)

MAT 6422

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

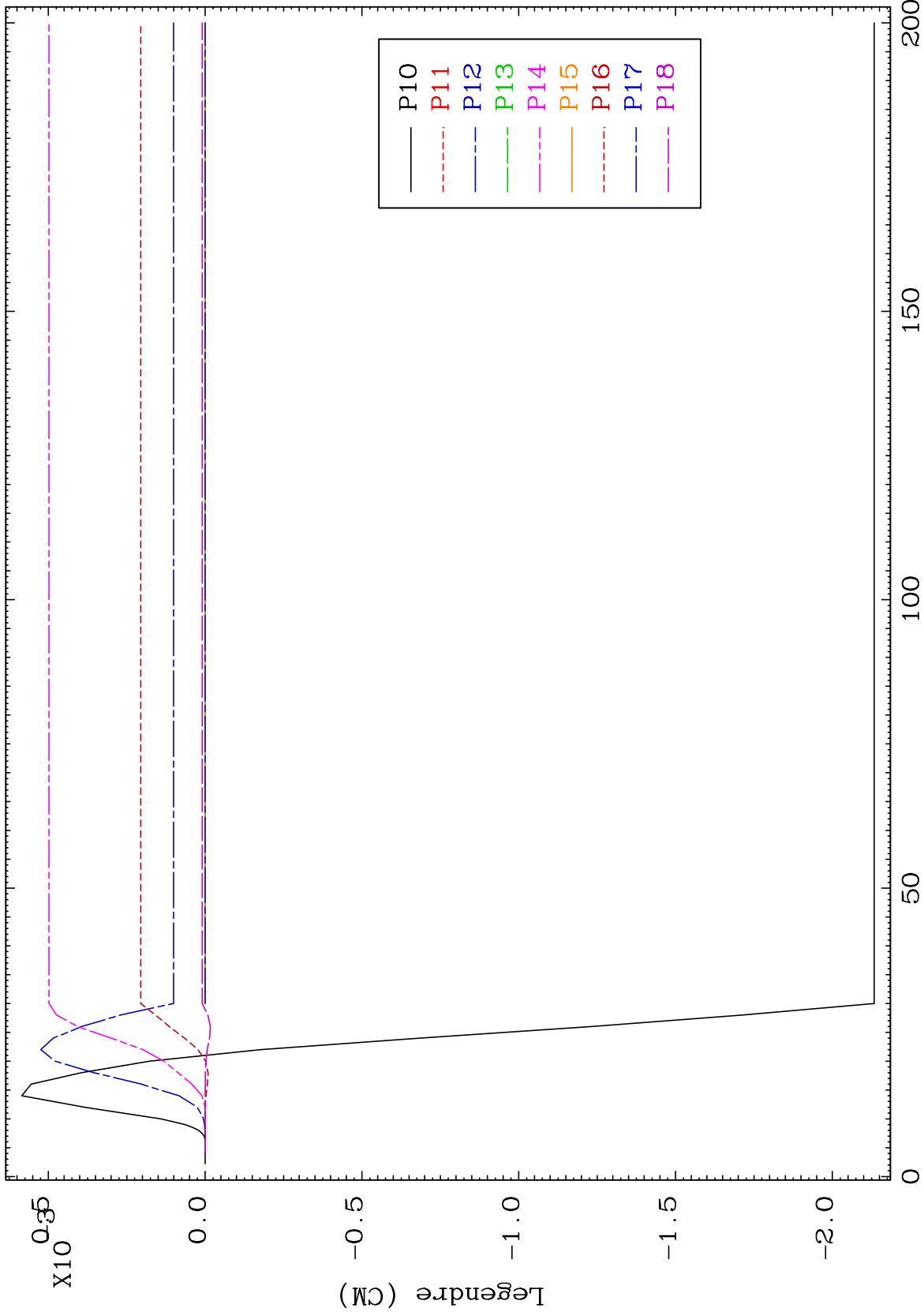
64-Gd-151



MAT 6422

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

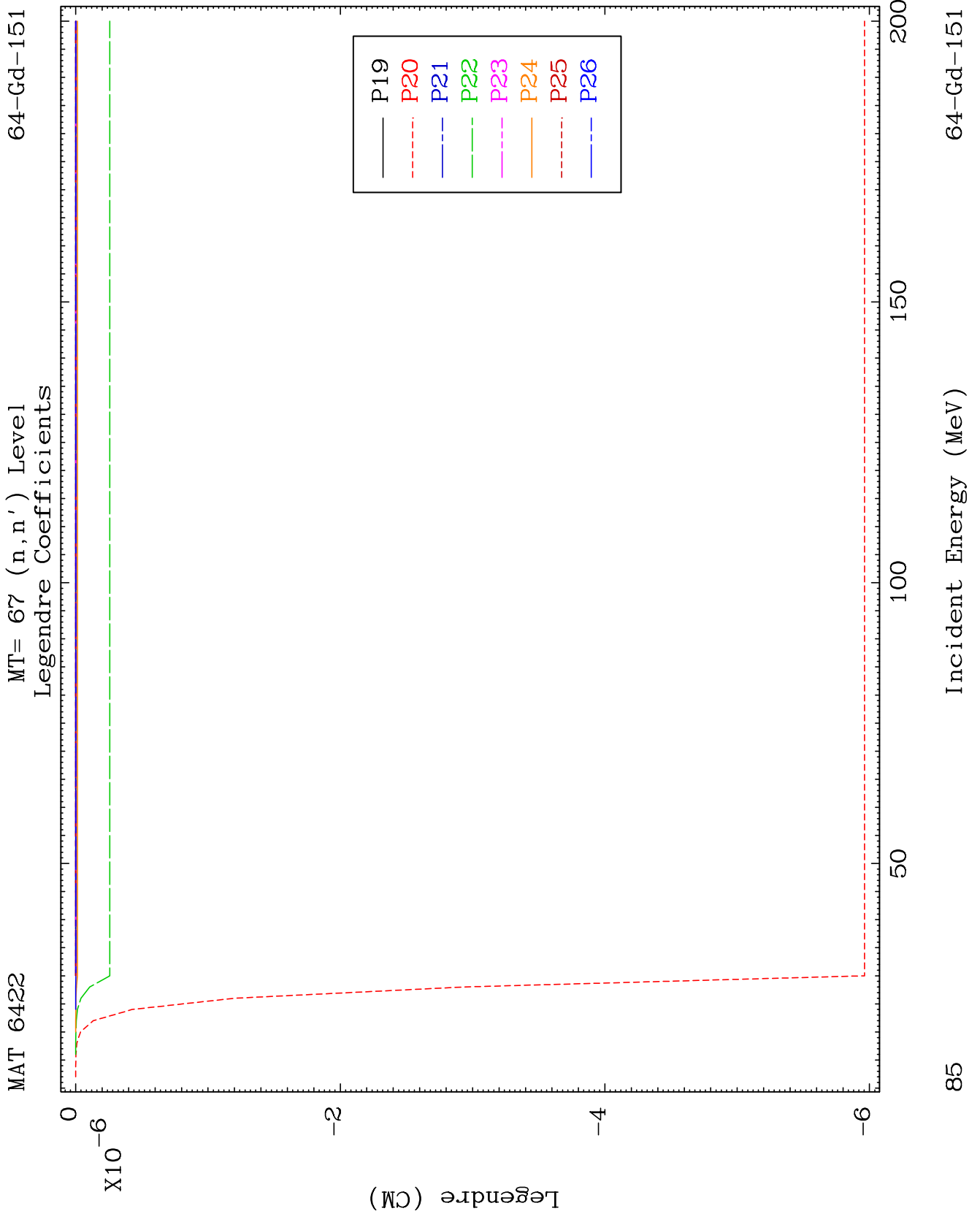
64-Gd-151



84

Incident Energy (MeV)

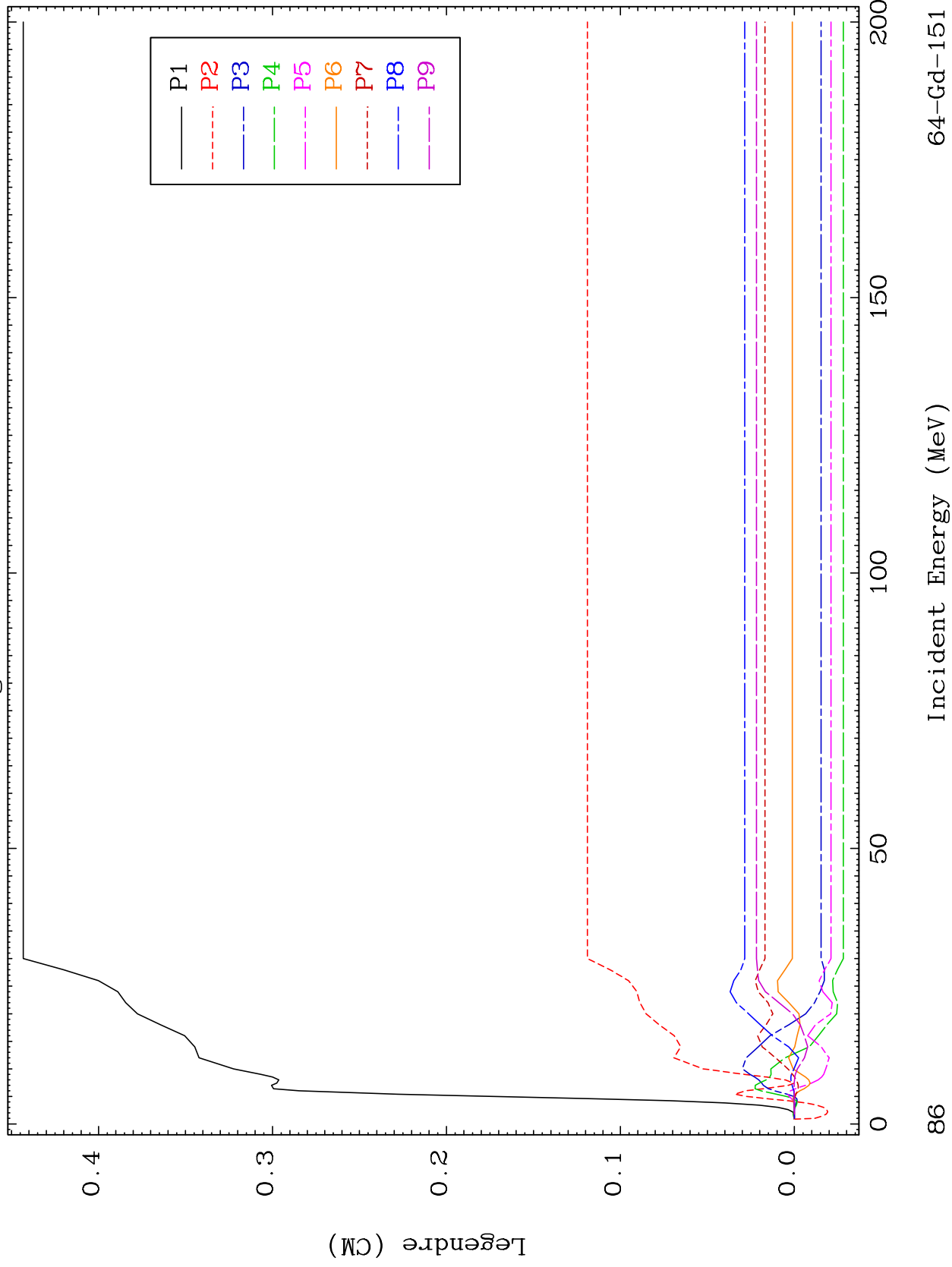
64-Gd-151



MAT 6422

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

64-Gd-151



86

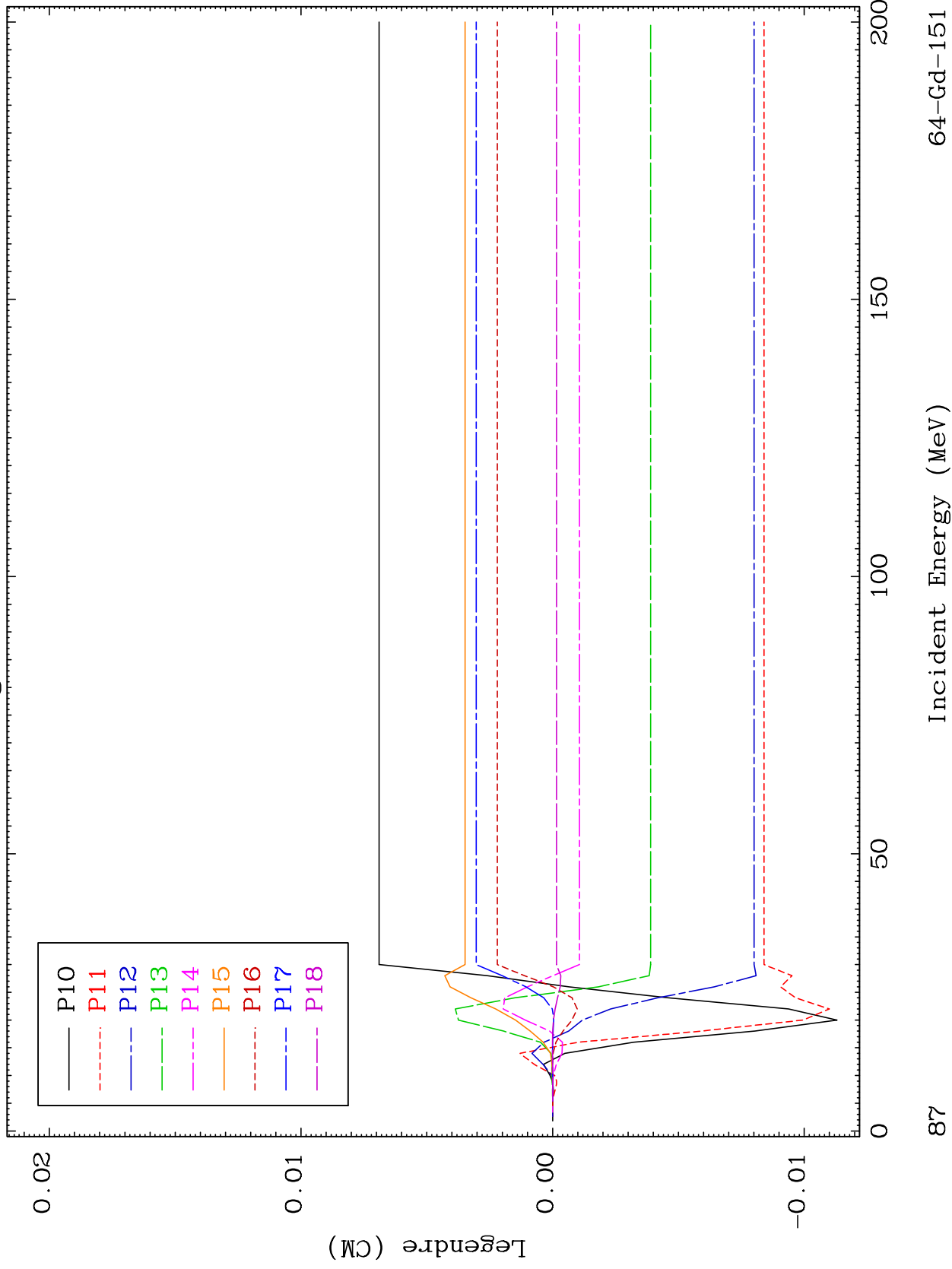
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



87

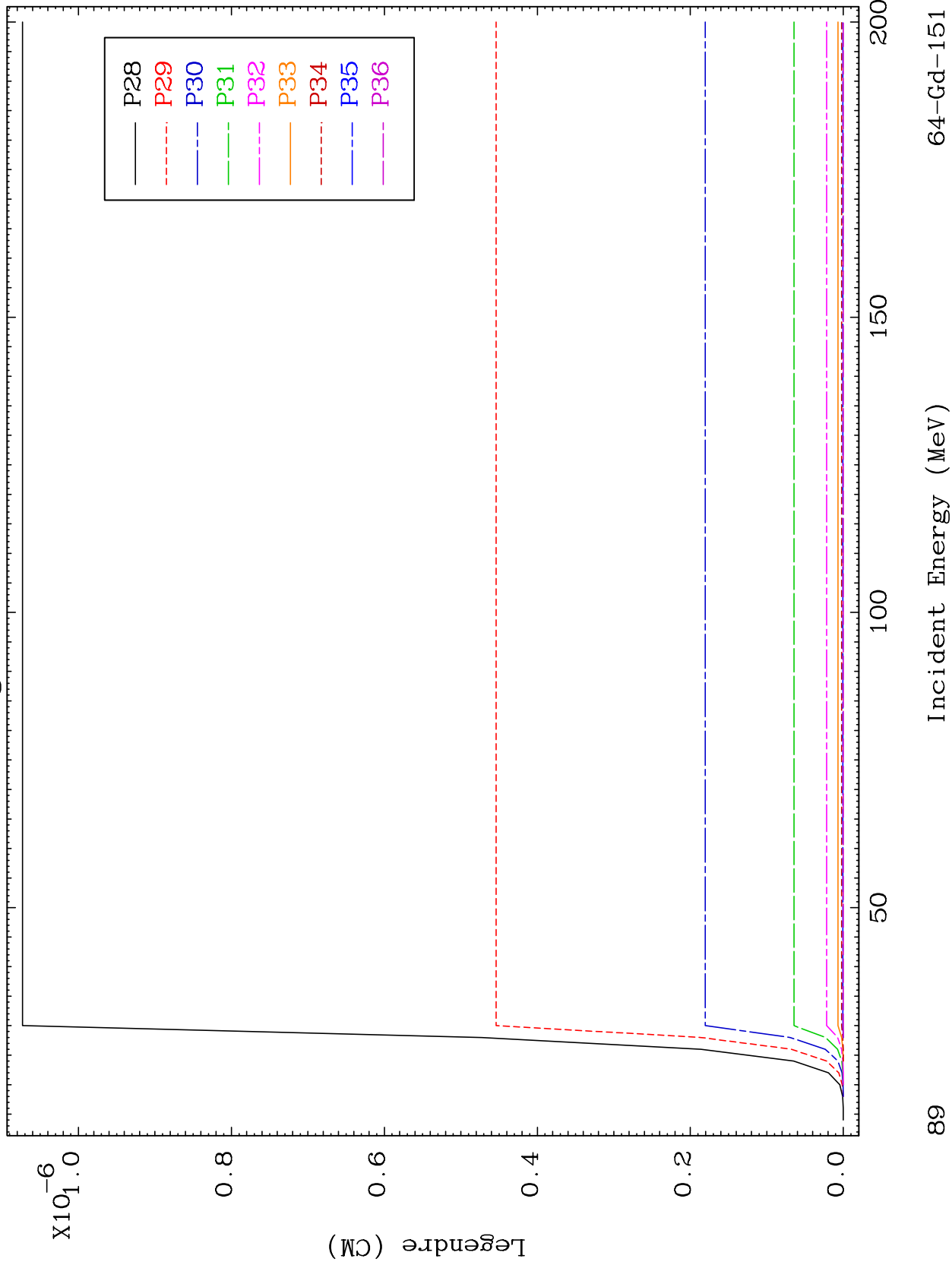
Incident Energy (MeV)

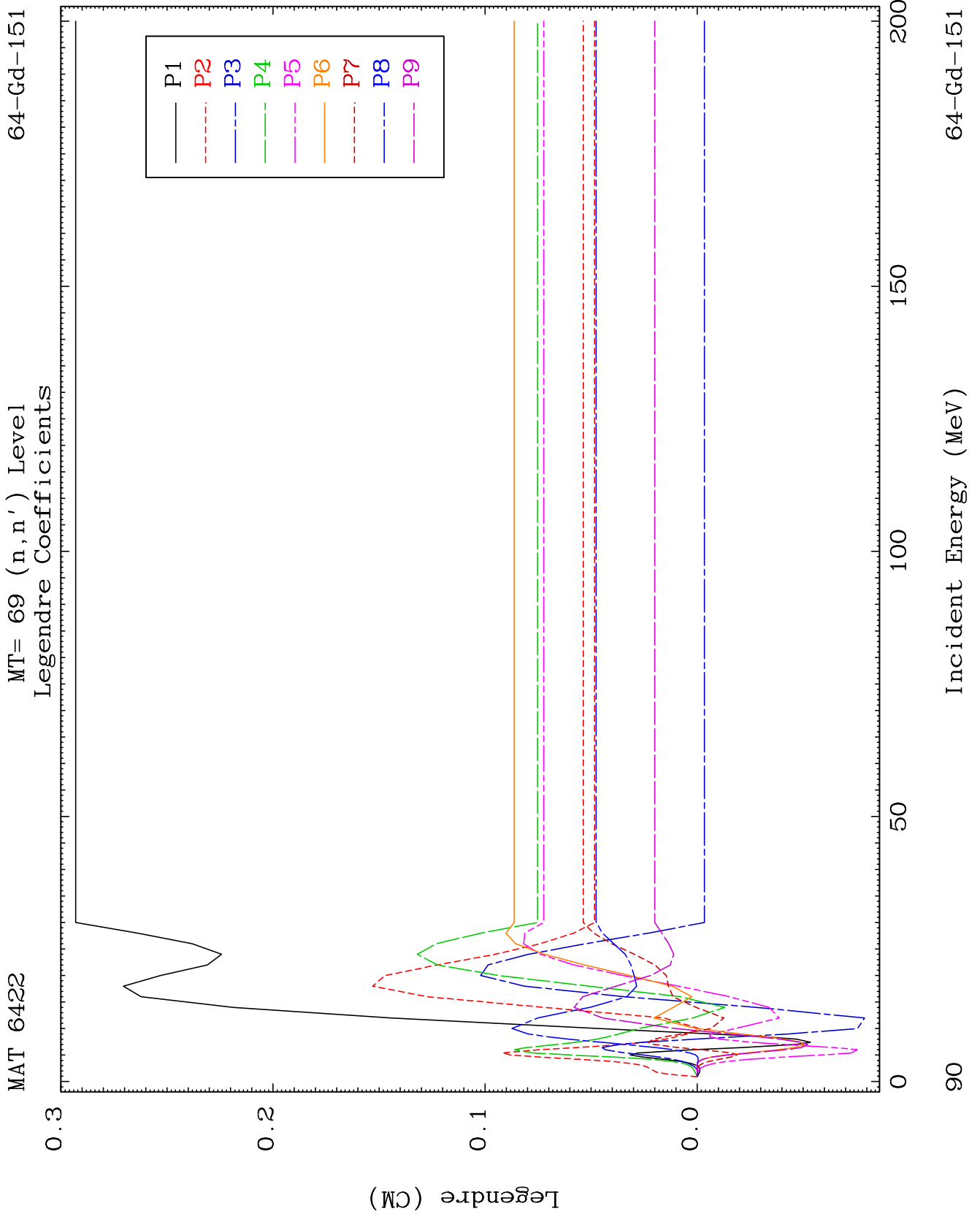
64-Gd-151

MAT 6422

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

64-Gd-151

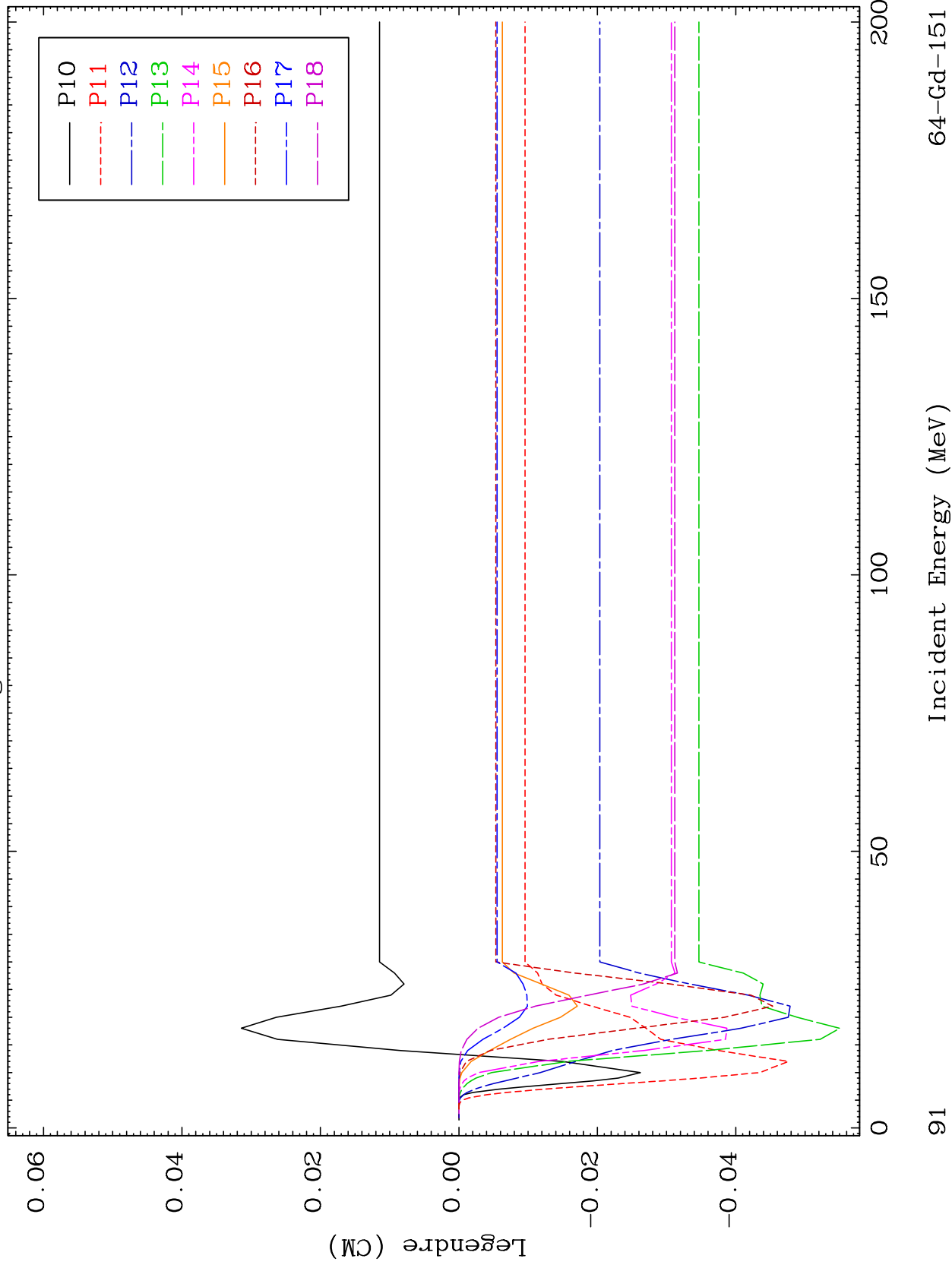




MAT 6422

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

64-Gd-151



91

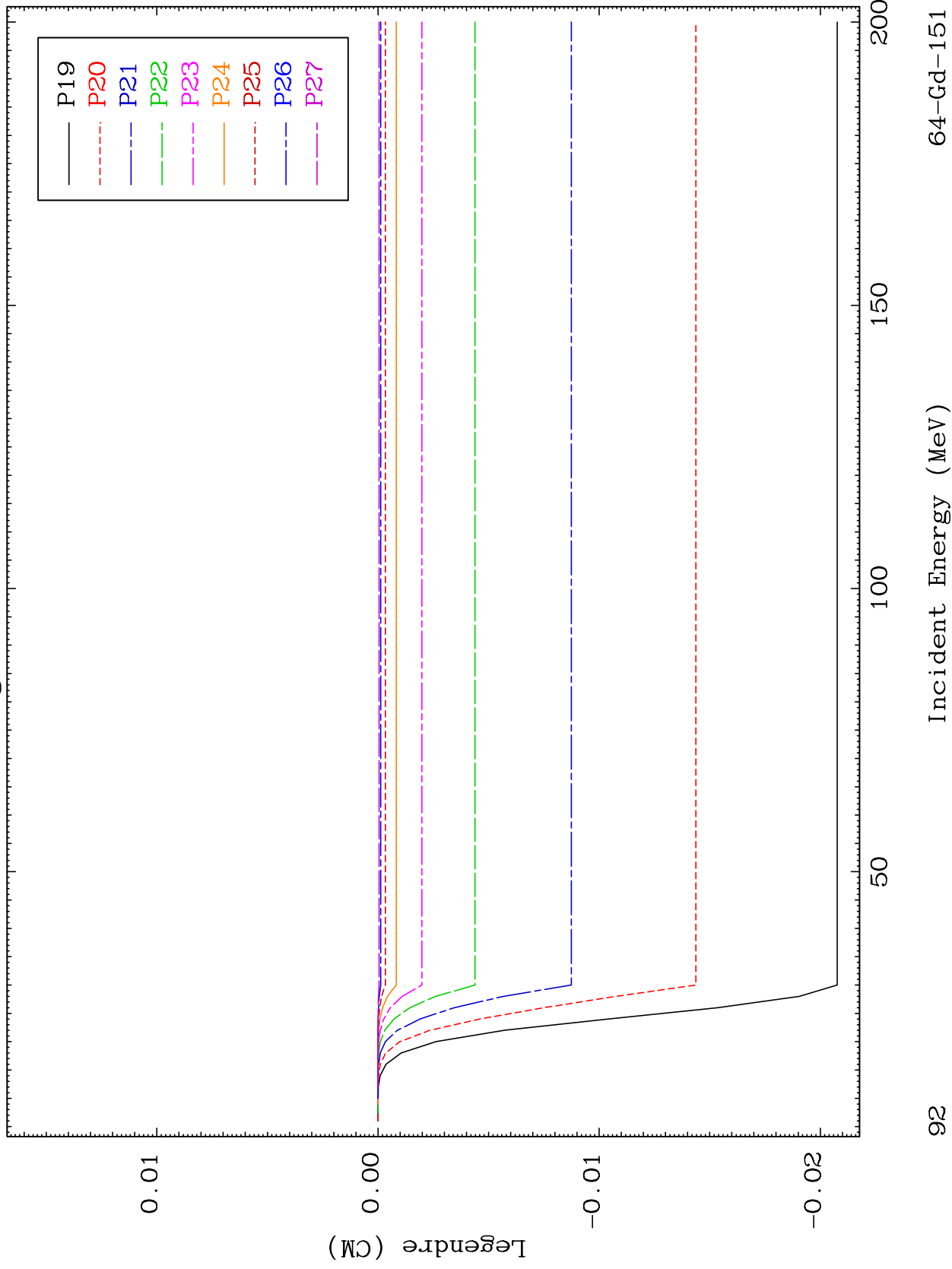
Incident Energy (MeV)

64-Gd-151

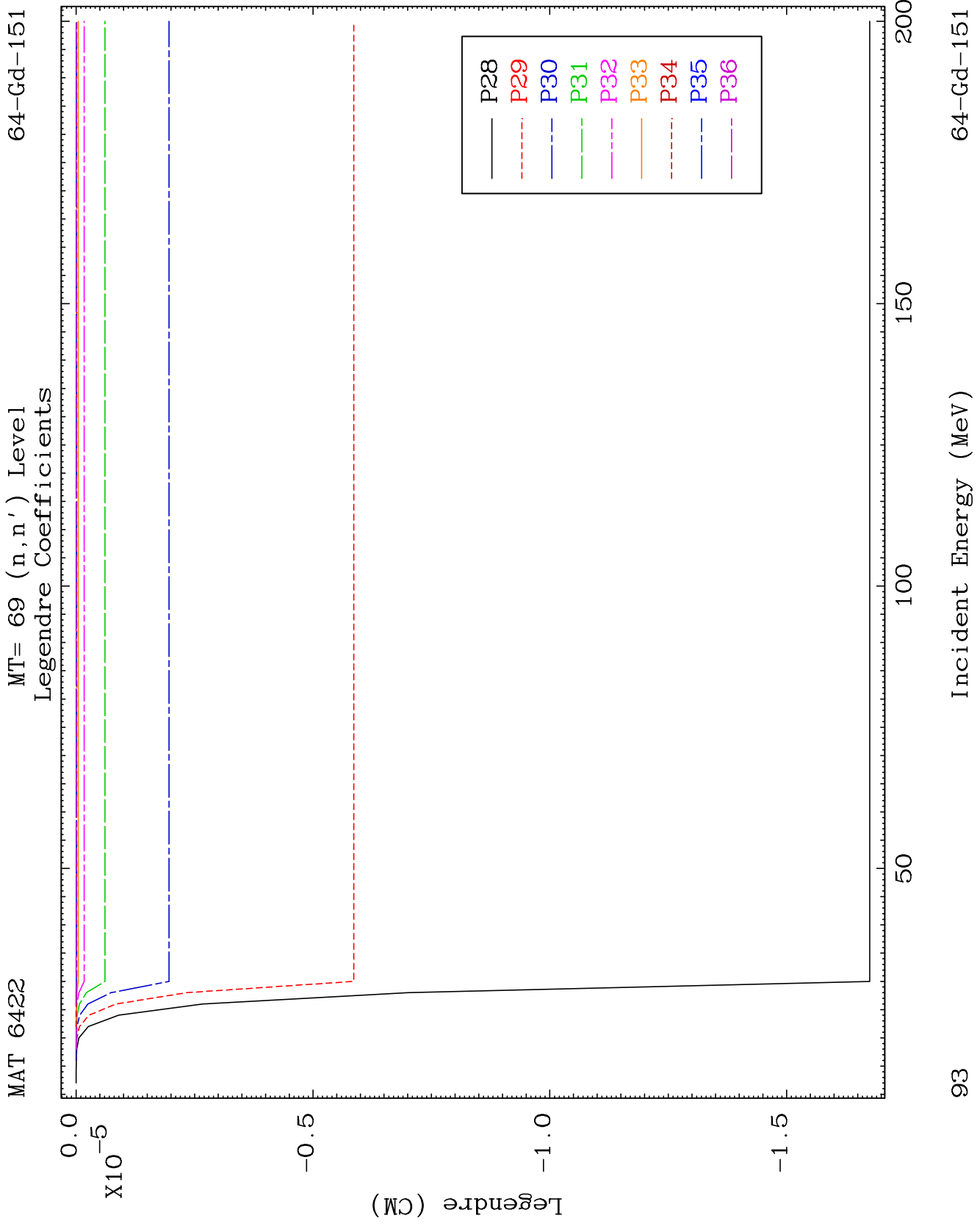
MAT 6422

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

64-Gd-151



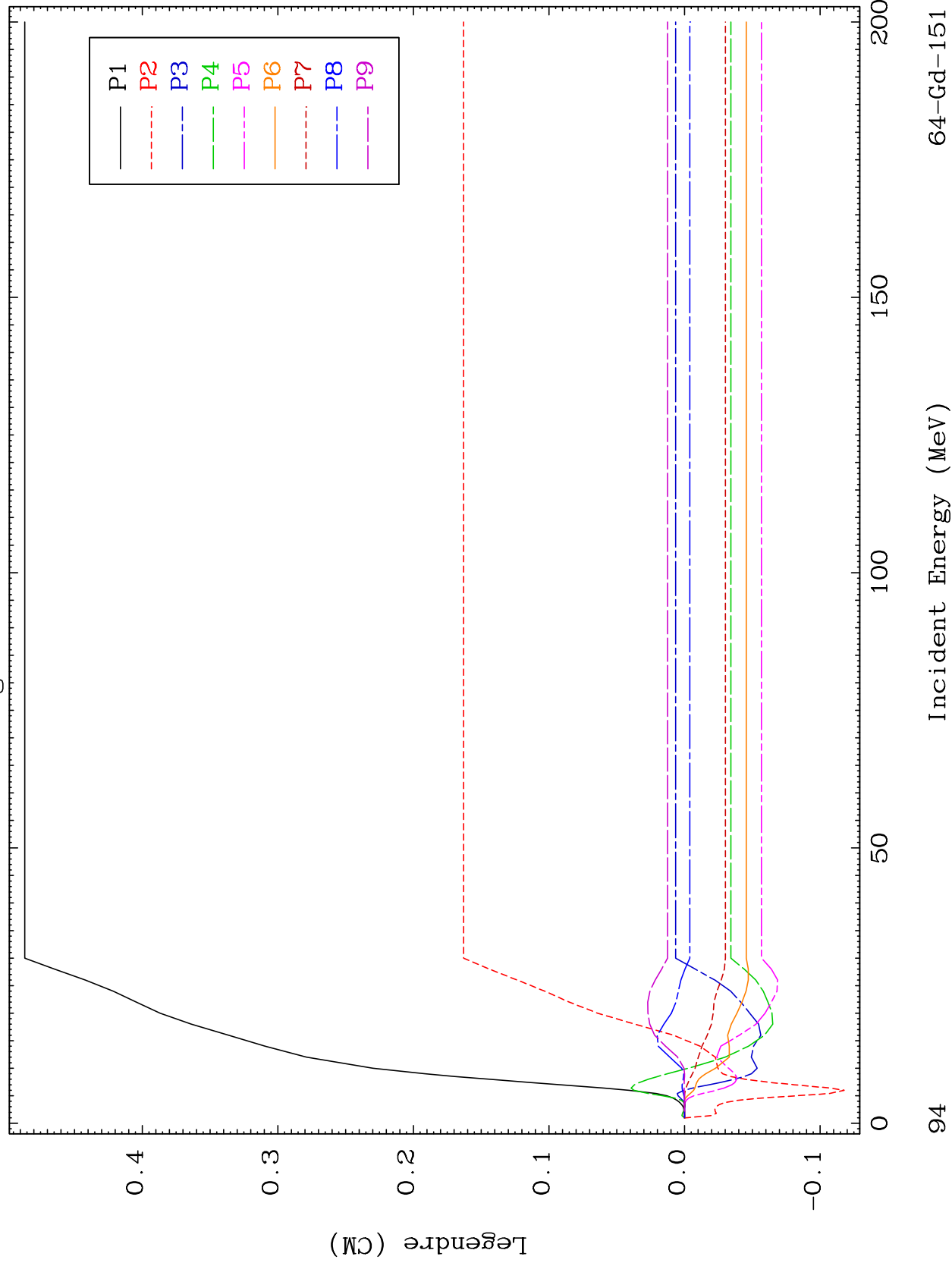
92



MAT 6422

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

64-Gd-151



64-Gd-151

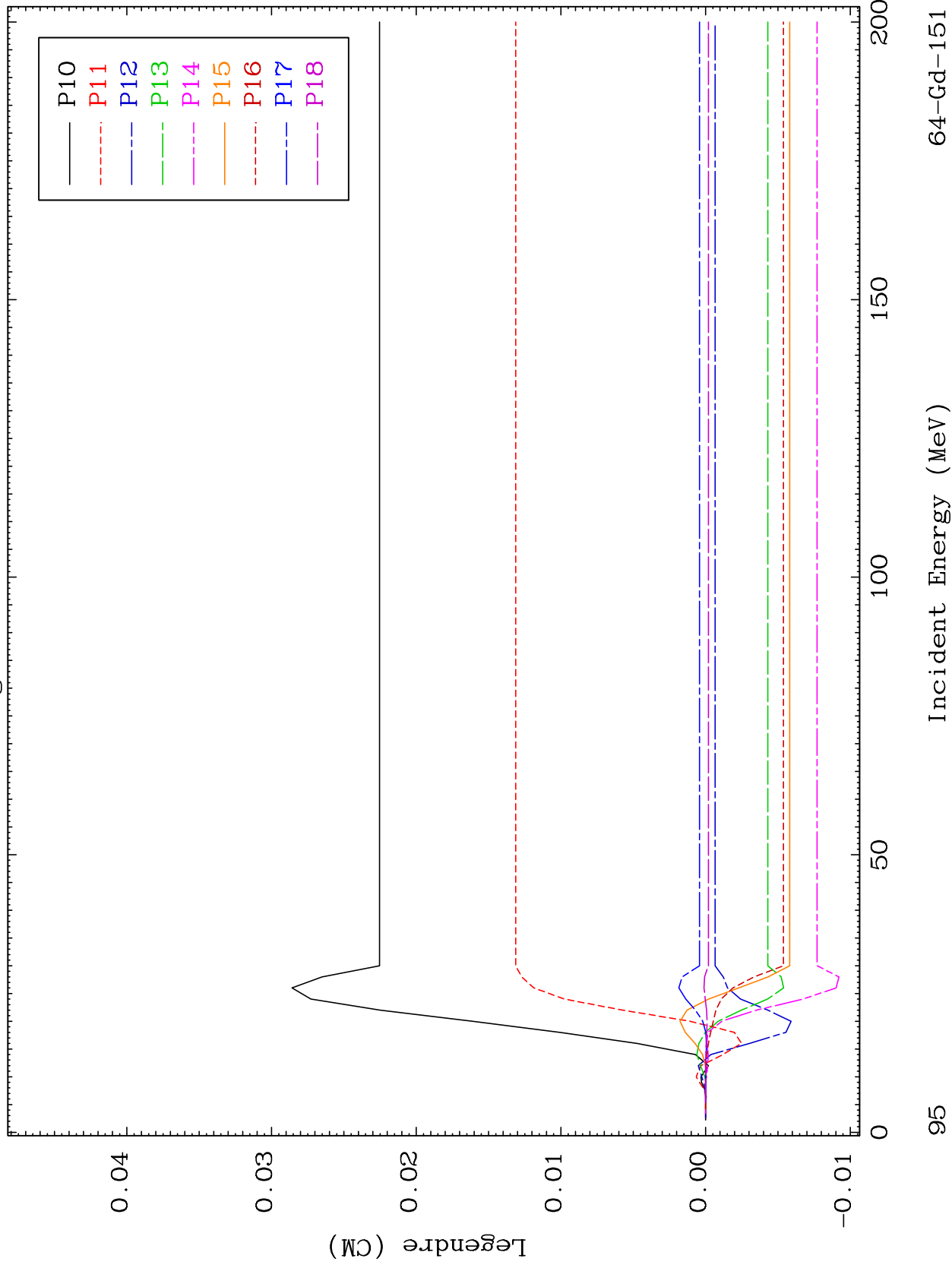
Incident Energy (MeV)

94

MAT 6422

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

64-Gd-151



64-Gd-151

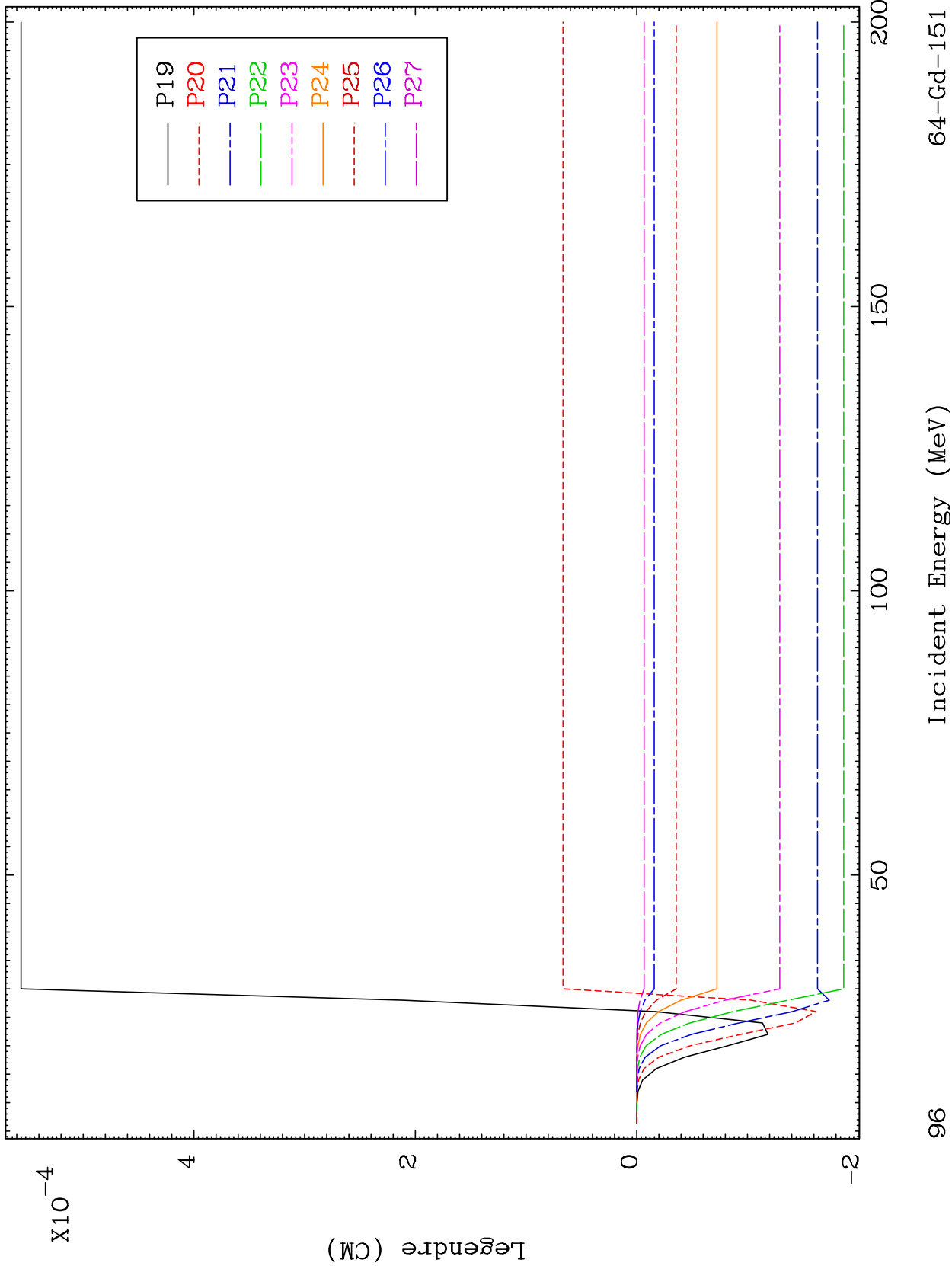
Incident Energy (MeV)

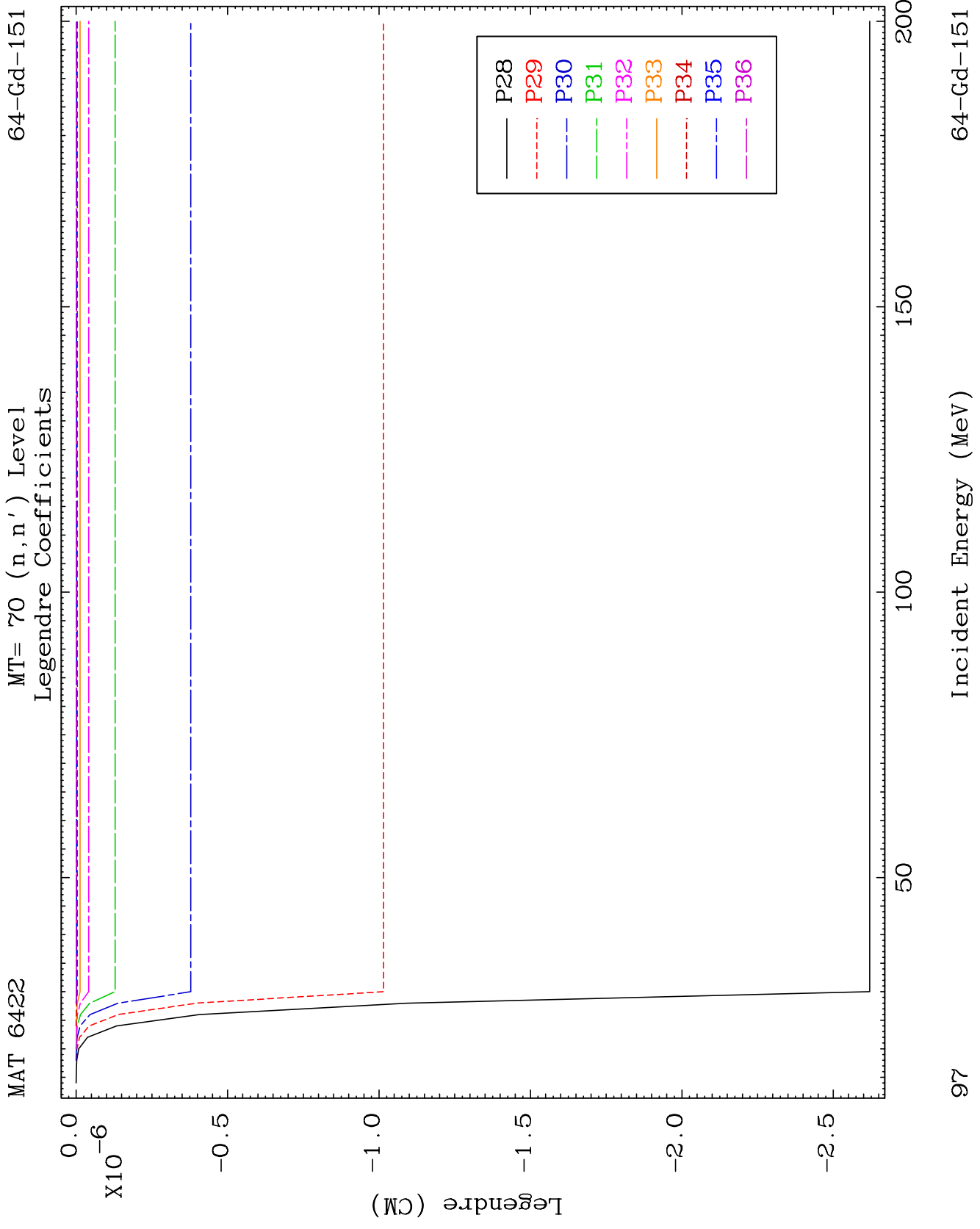
95

MAT 6422

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

64-Gd-151

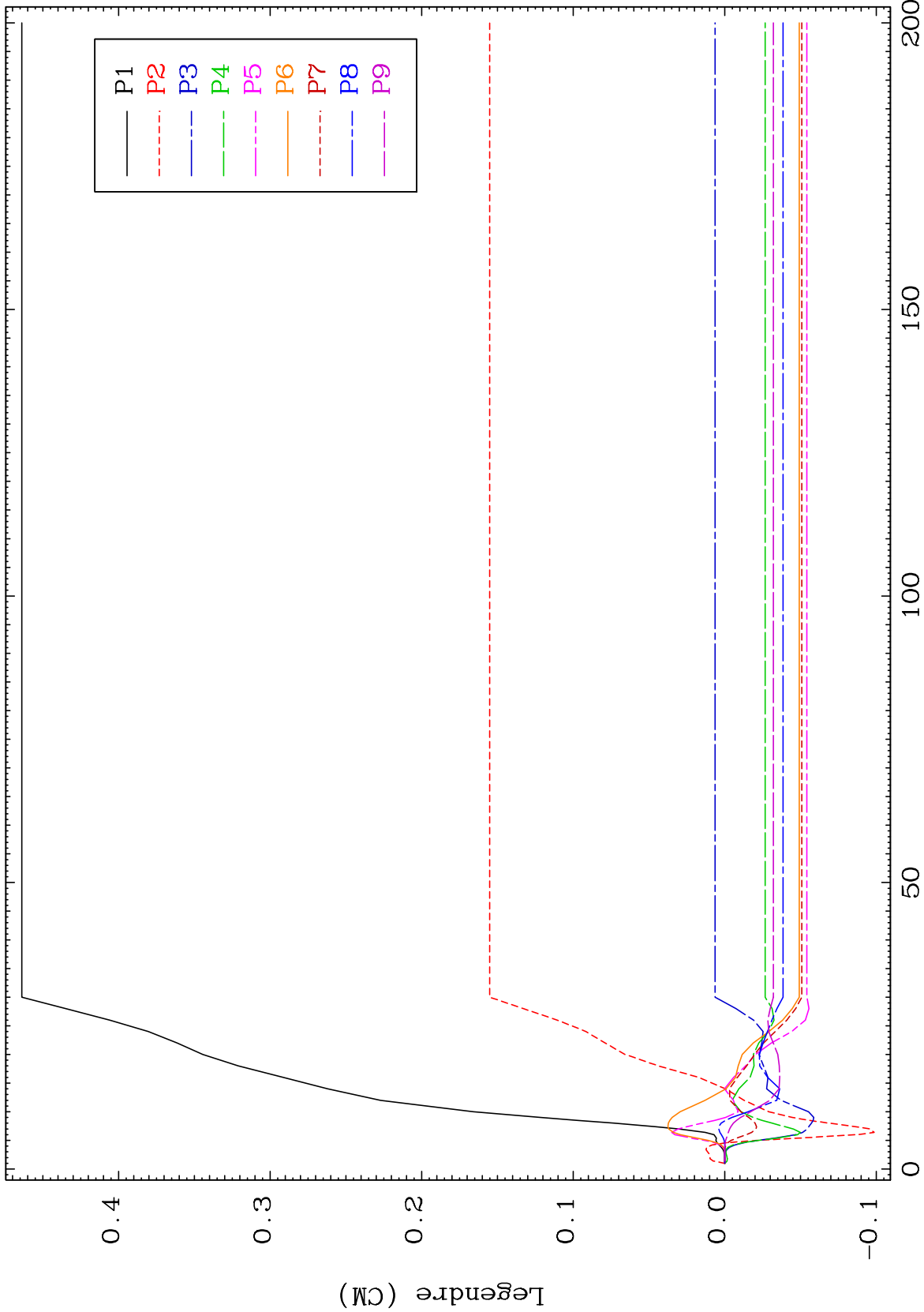




MAT 6422

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

64-Gd-151



98

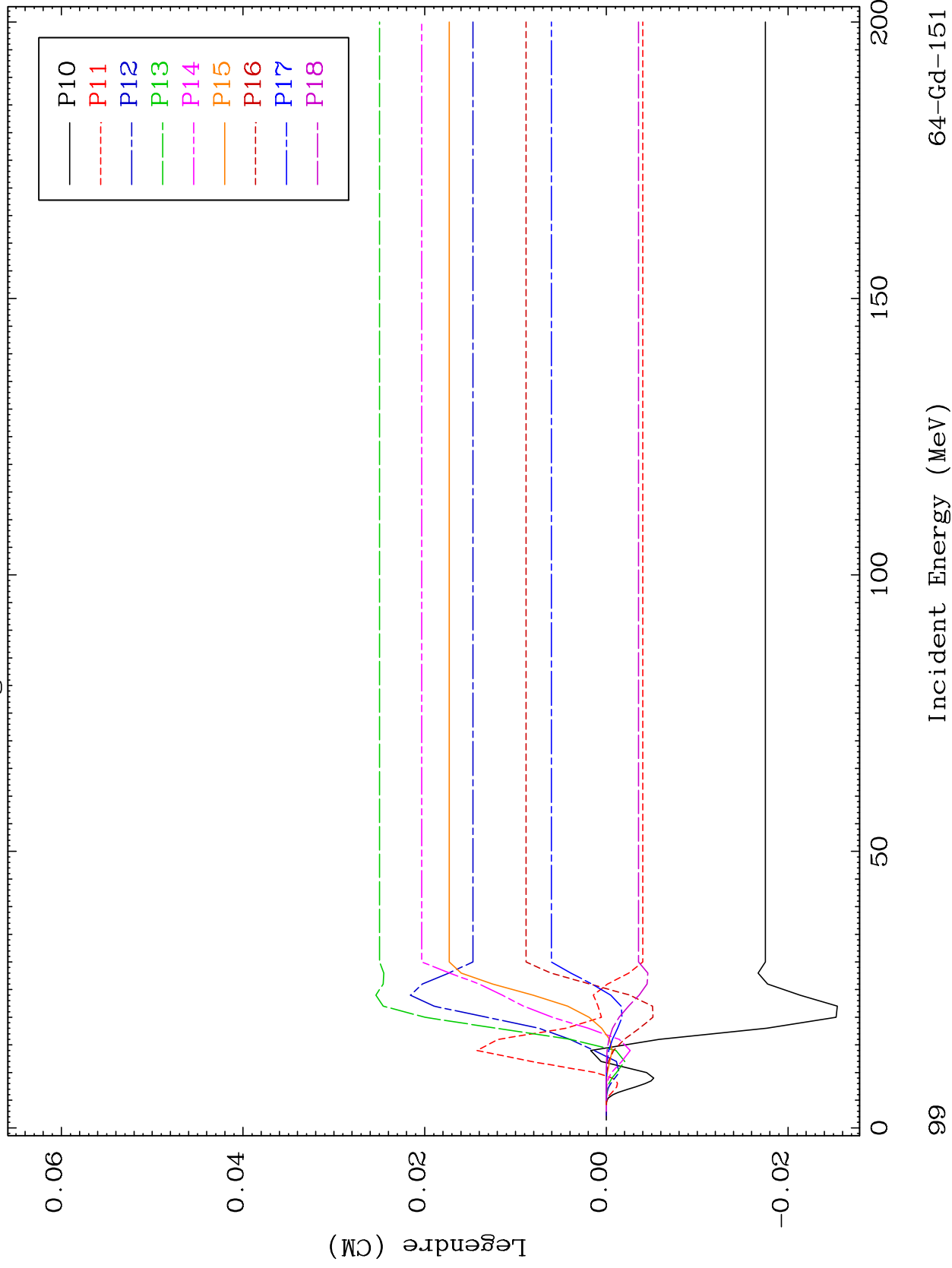
64-Gd-151

64-Gd-151

MAT 6422

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

64-Gd-151



99

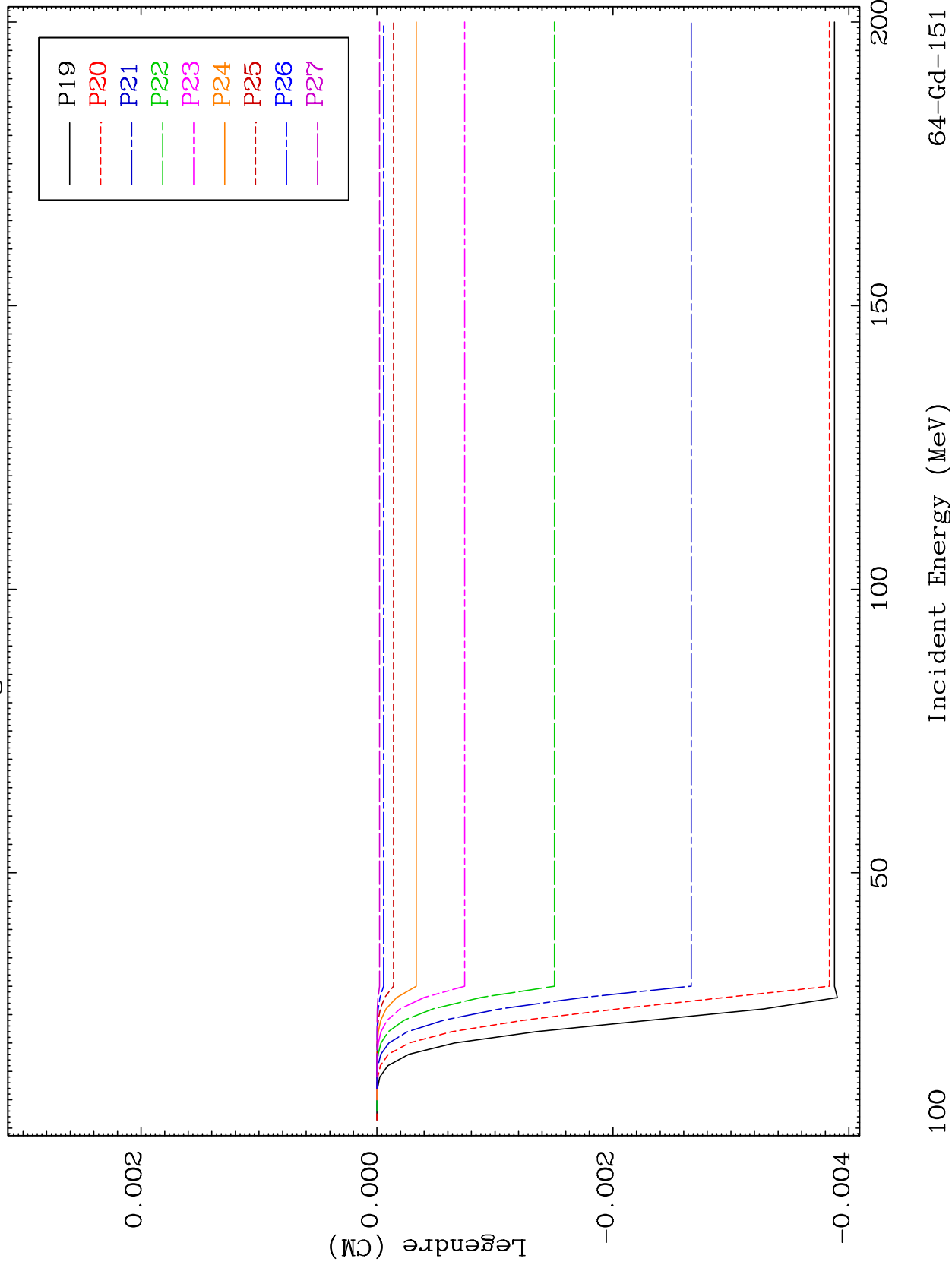
Incident Energy (MeV)

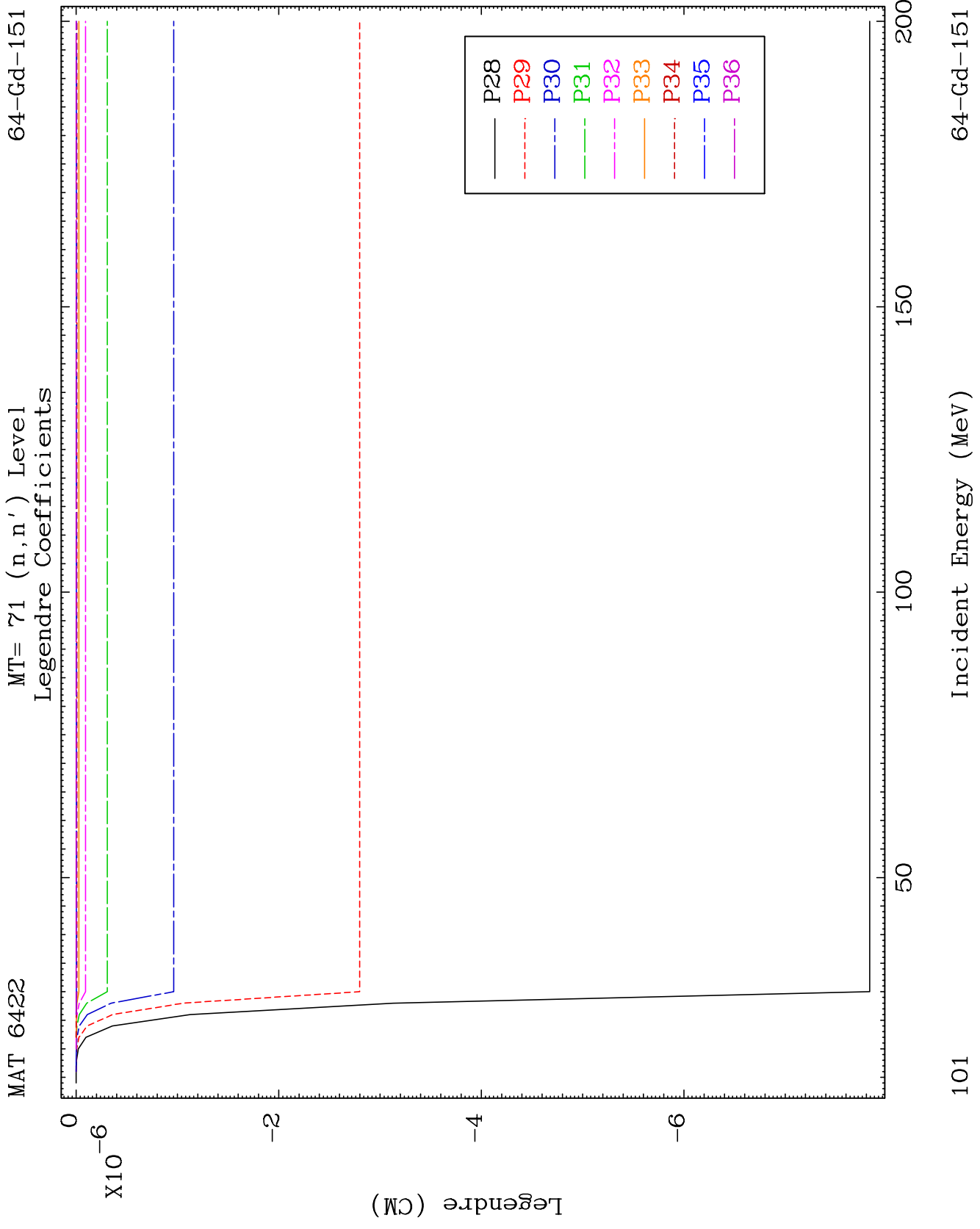
64-Gd-151

MAT 6422

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

64-Gd-151

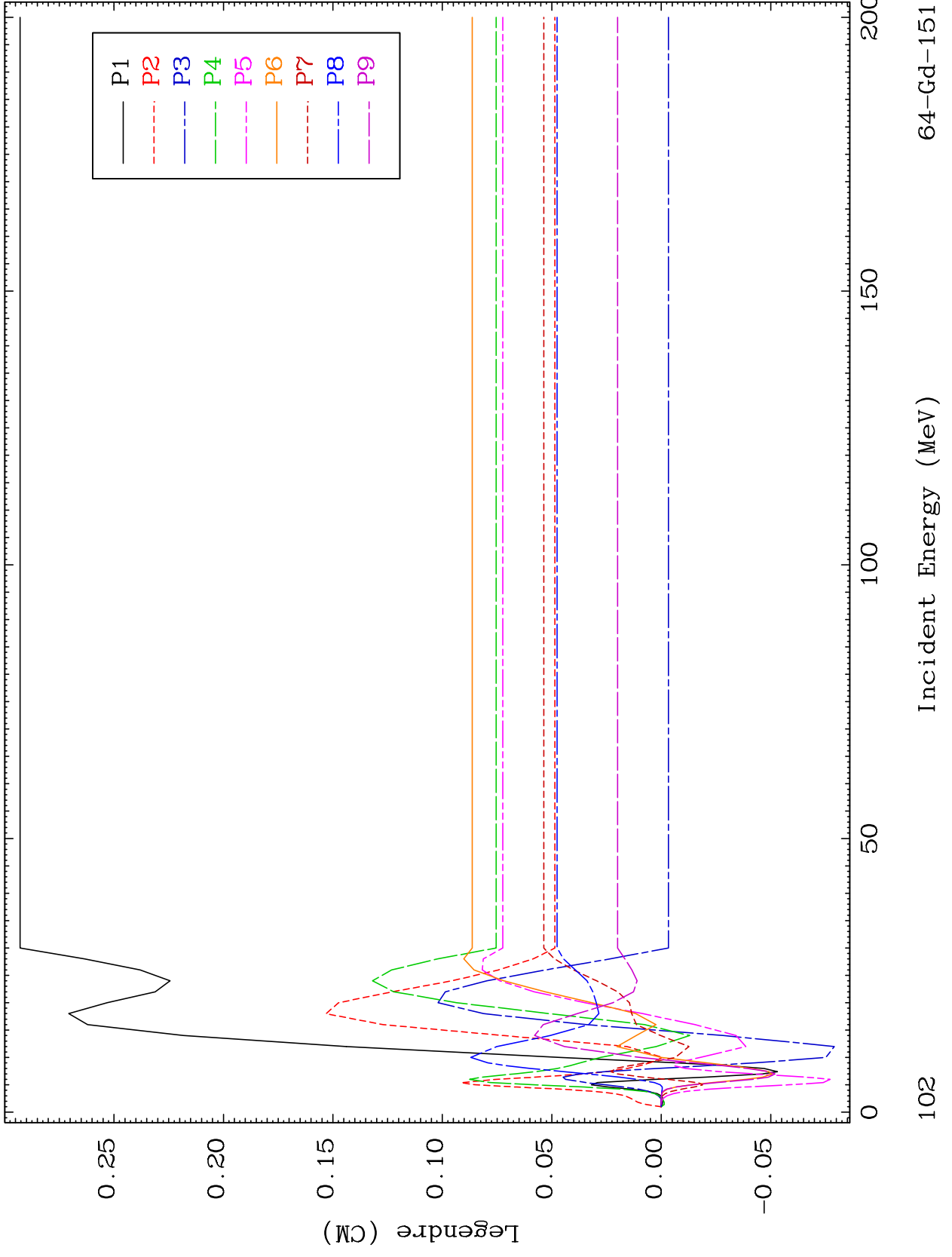




MAT 6422

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

64-Gd-151



64-Gd-151

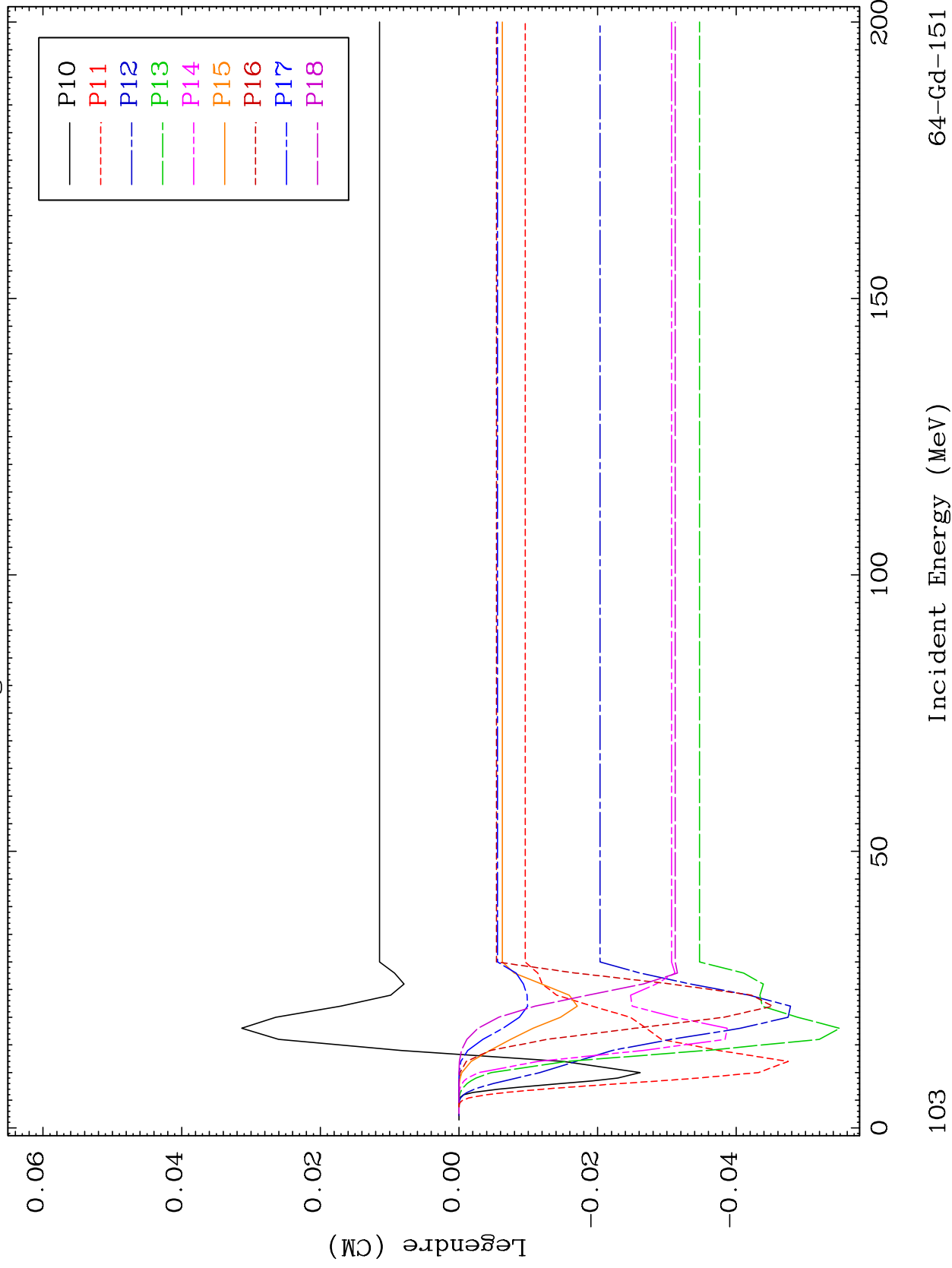
Incident Energy (MeV)

102

MAT 6422

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

64-Gd-151



64-Gd-151

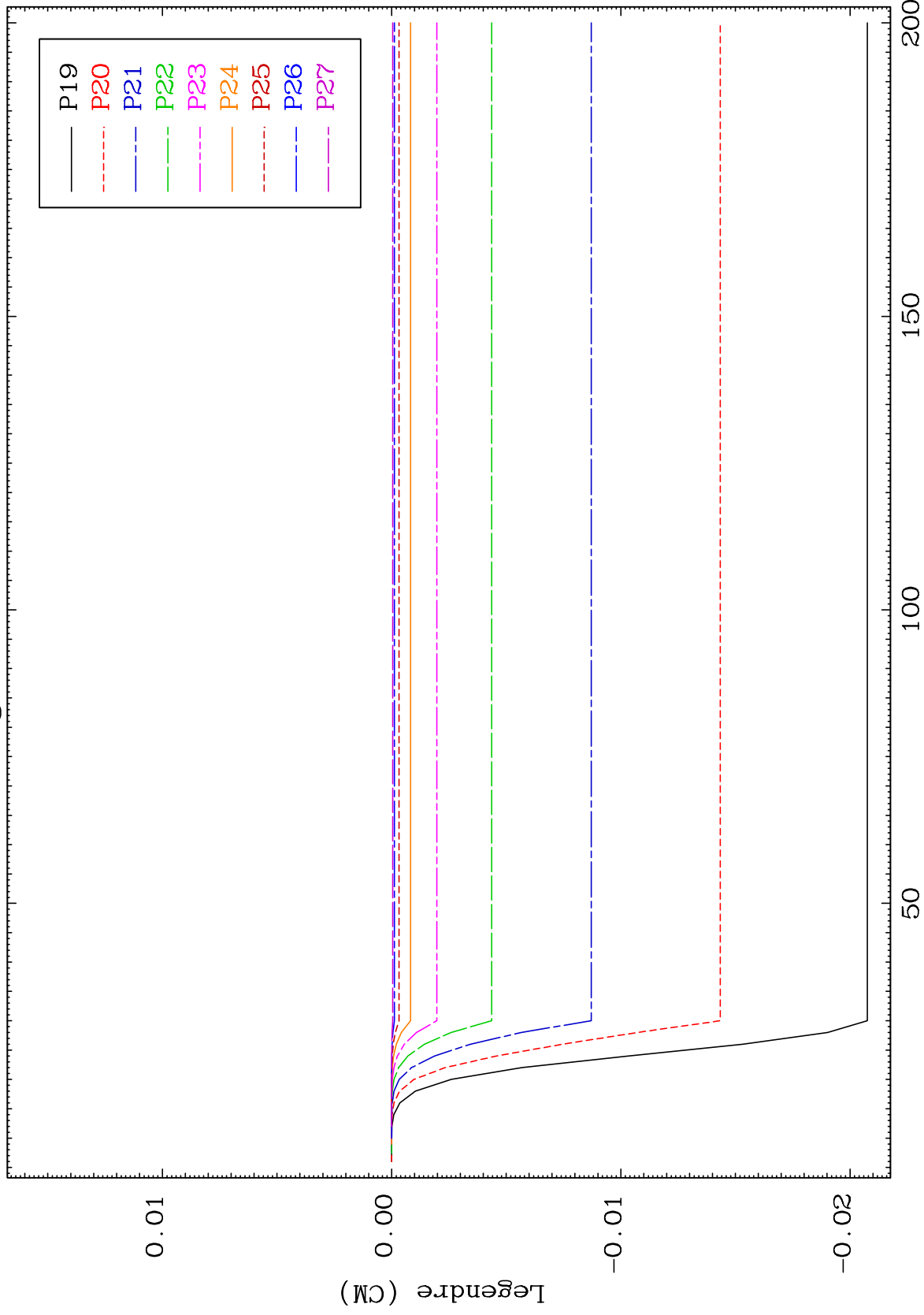
Incident Energy (MeV)

103

MAT 6422

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

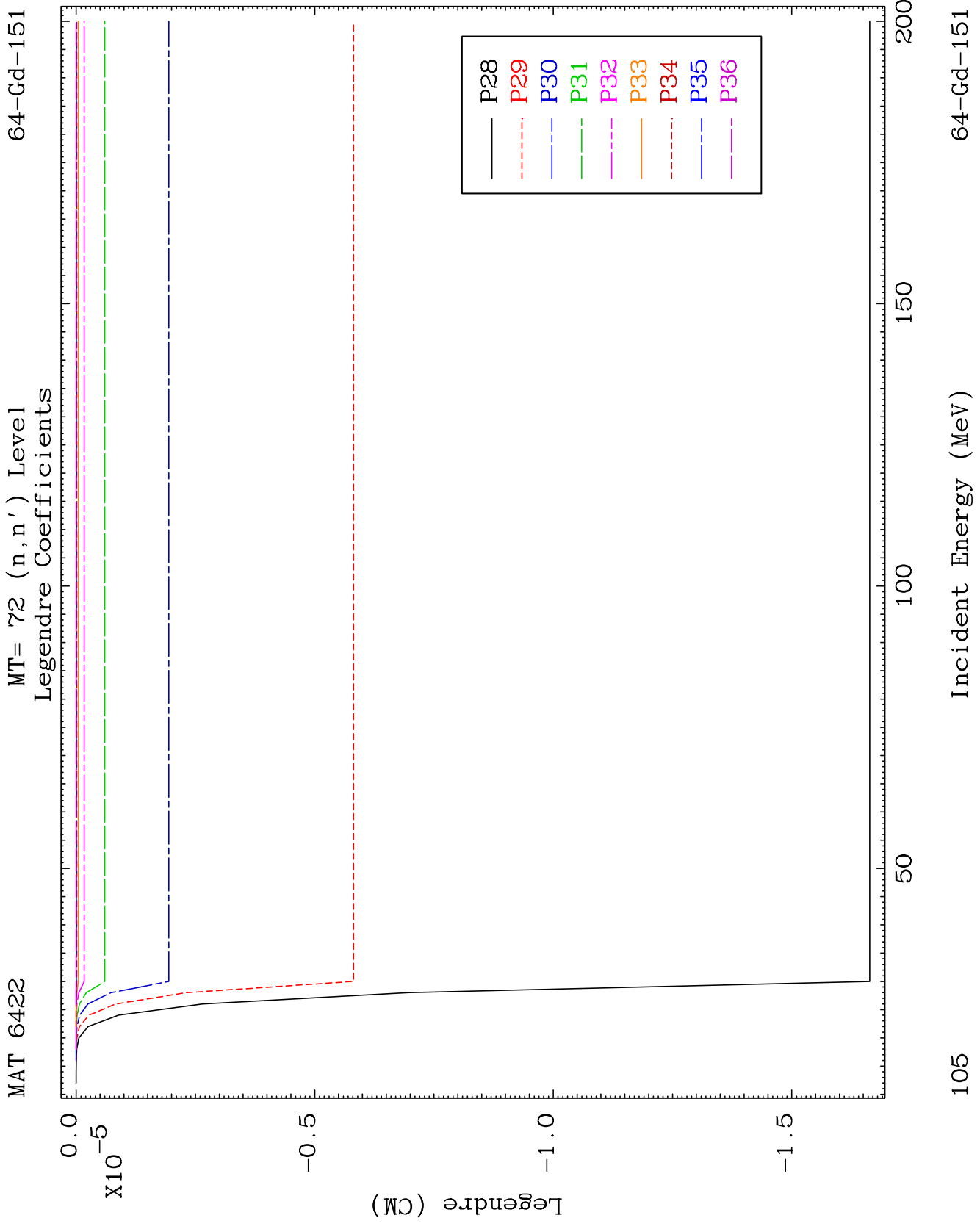
64-Gd-151



104

Incident Energy (MeV)

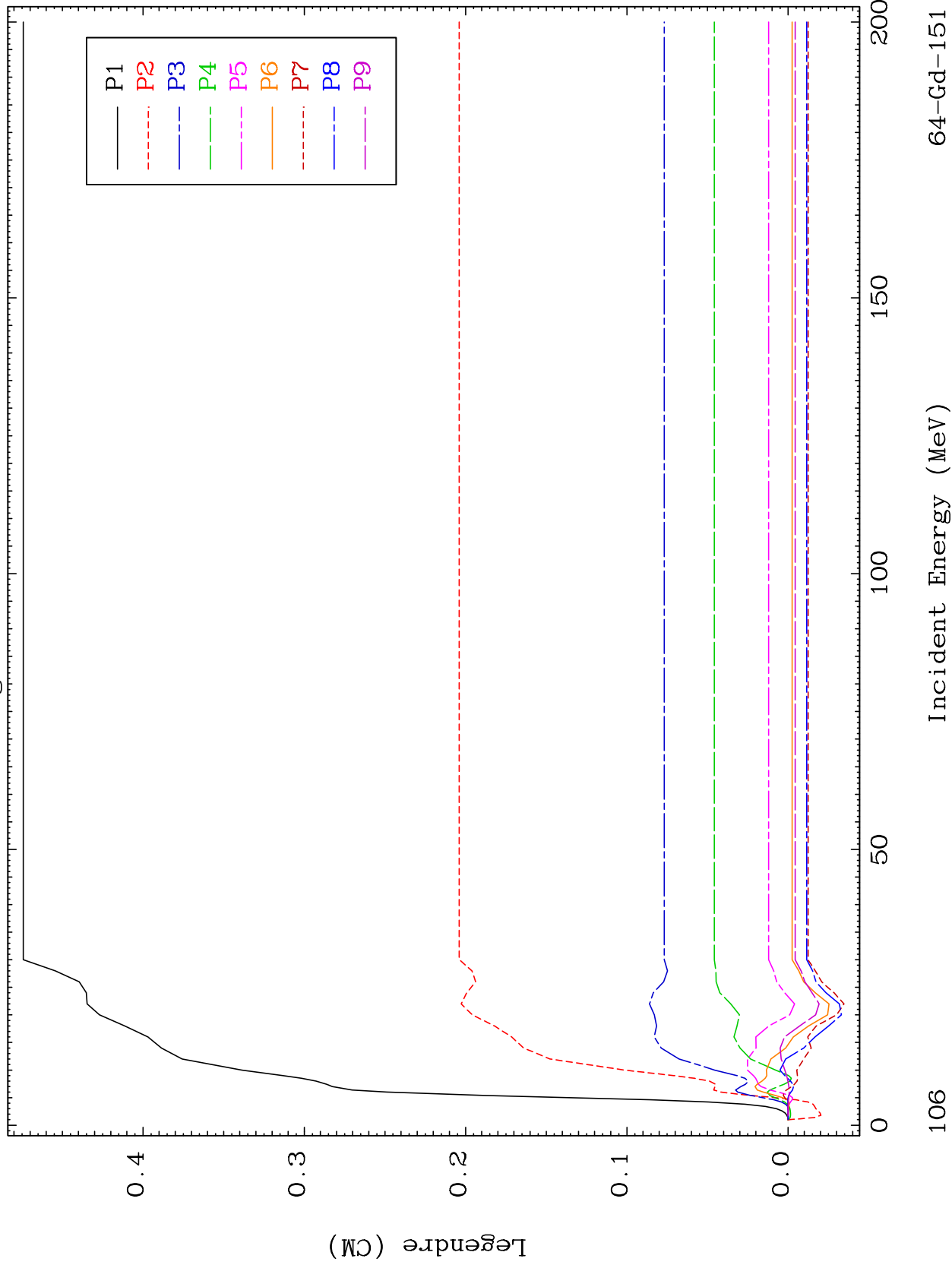
64-Gd-151



MAT 6422

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

64-Gd-151



64-Gd-151

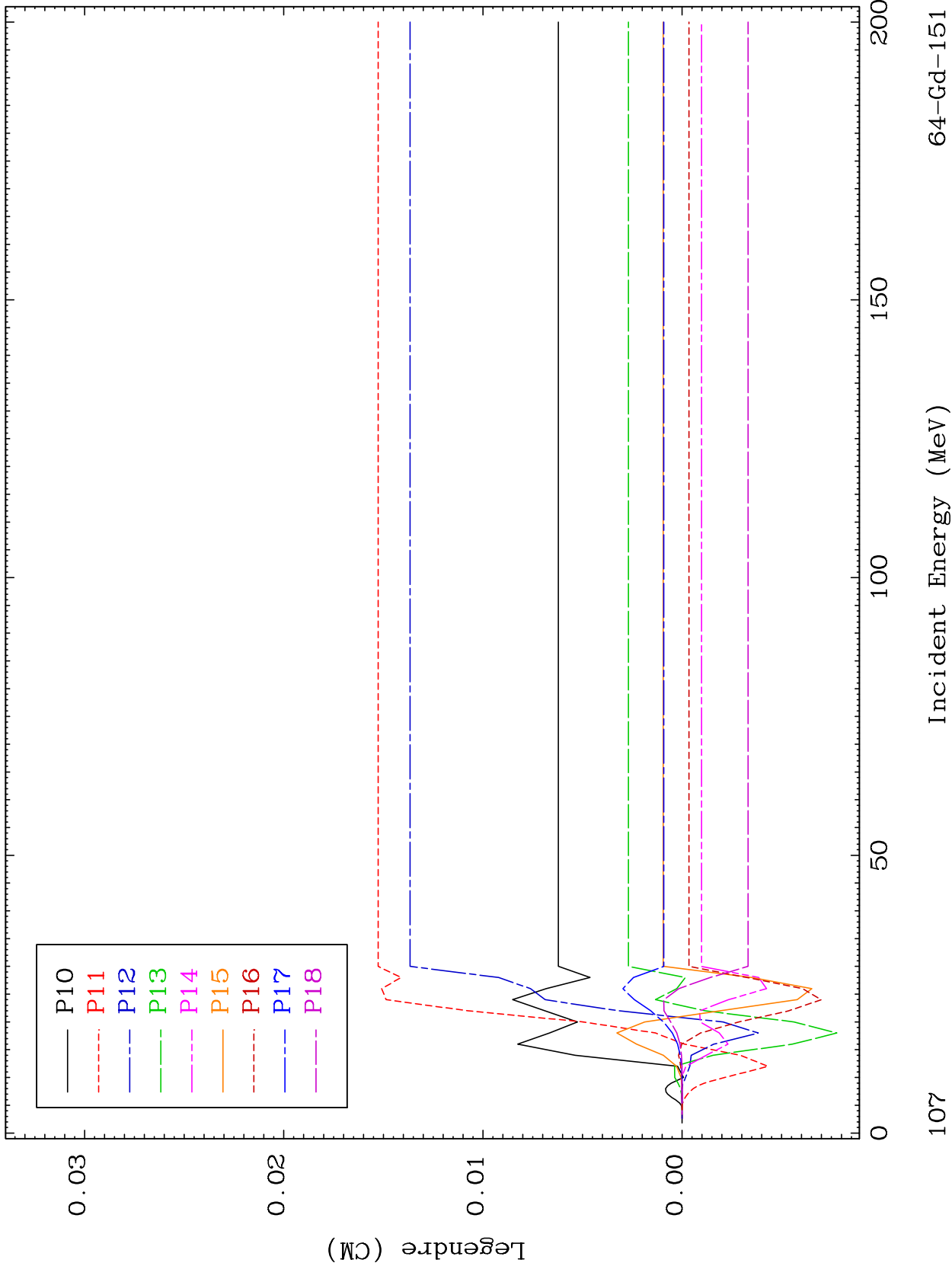
Incident Energy (MeV)

106

MAT 6422

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

64-Gd-151



107

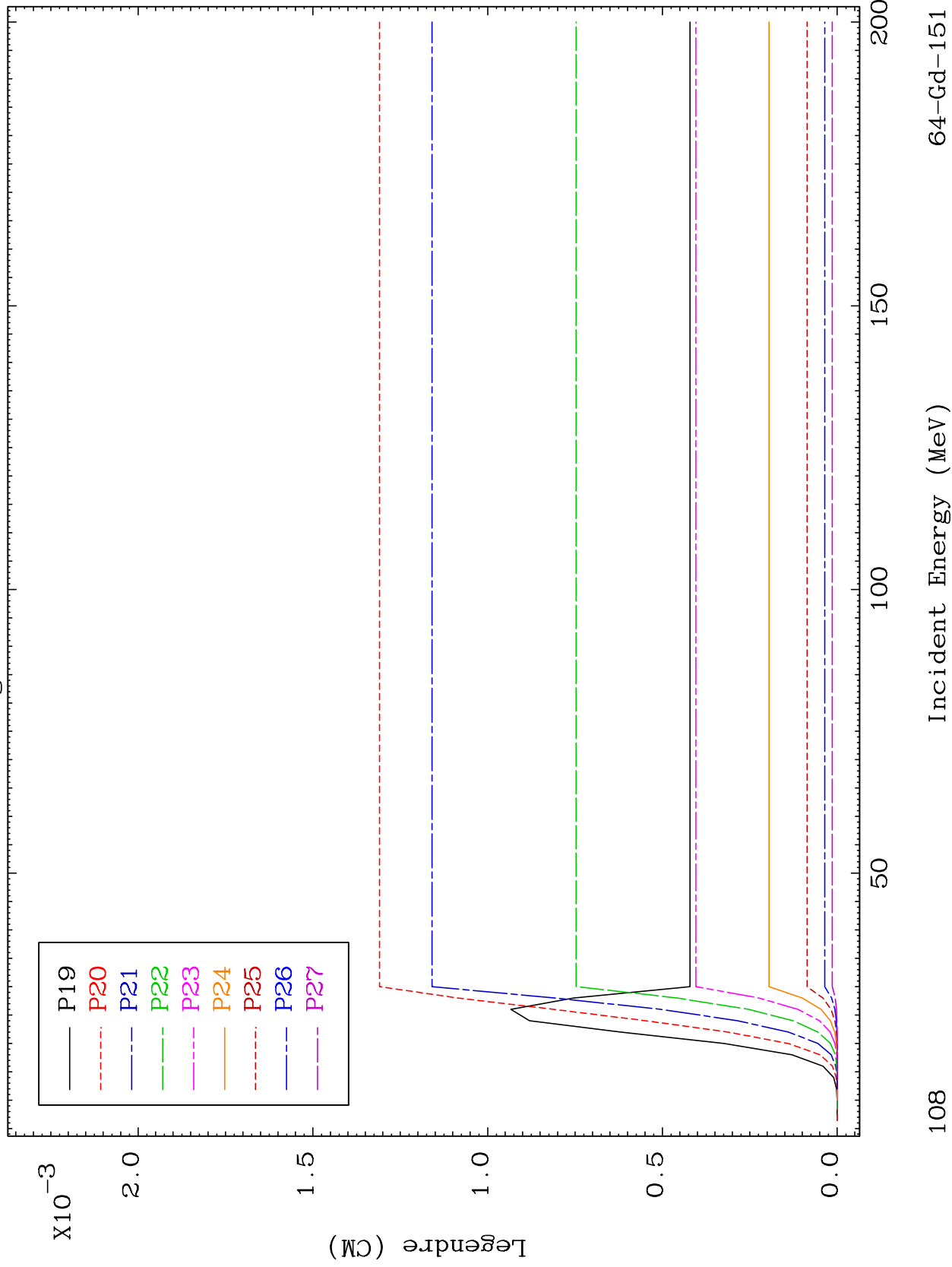
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



108

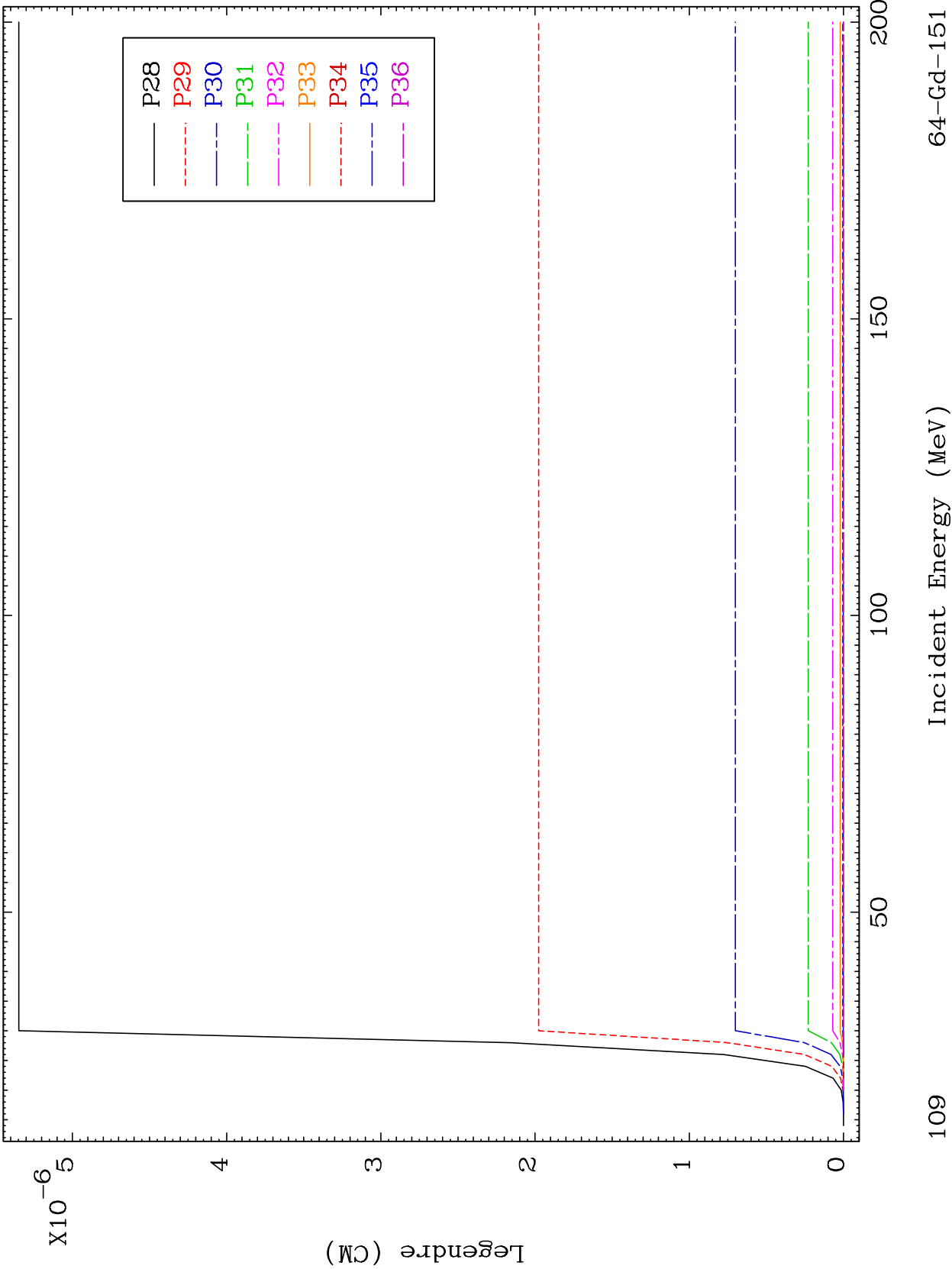
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



109

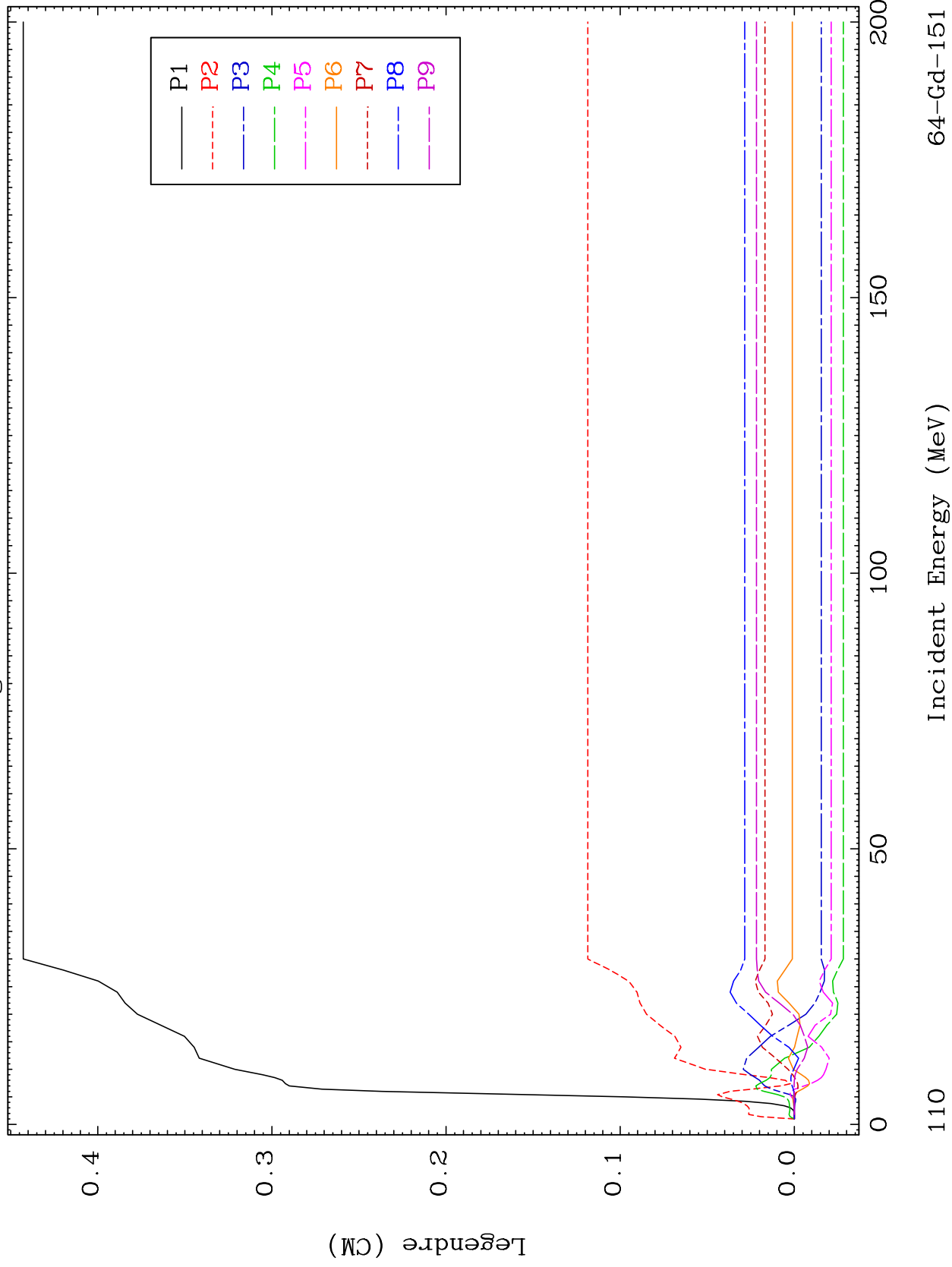
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



64-Gd-151

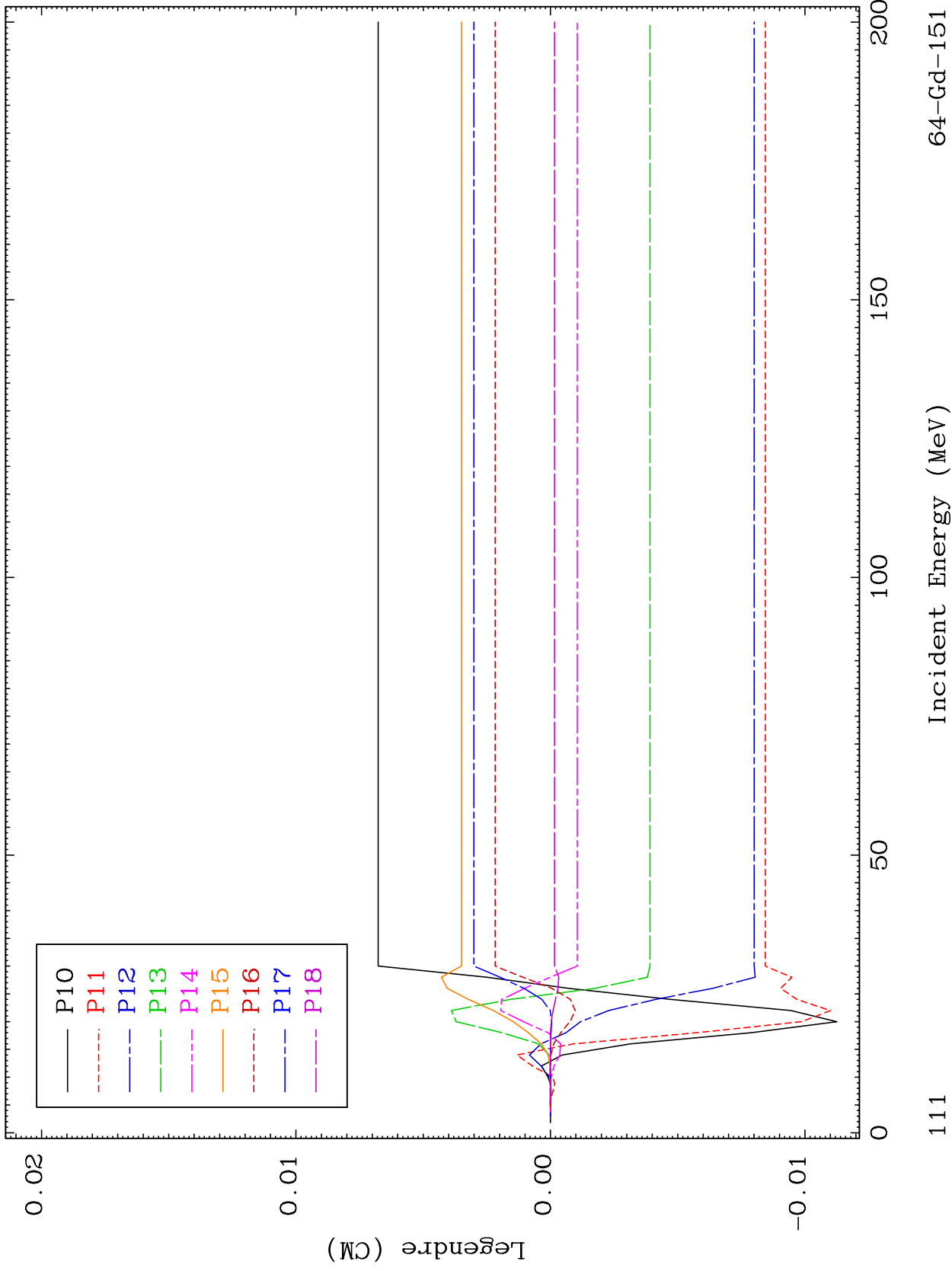
Incident Energy (MeV)

110

MAT 6422

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

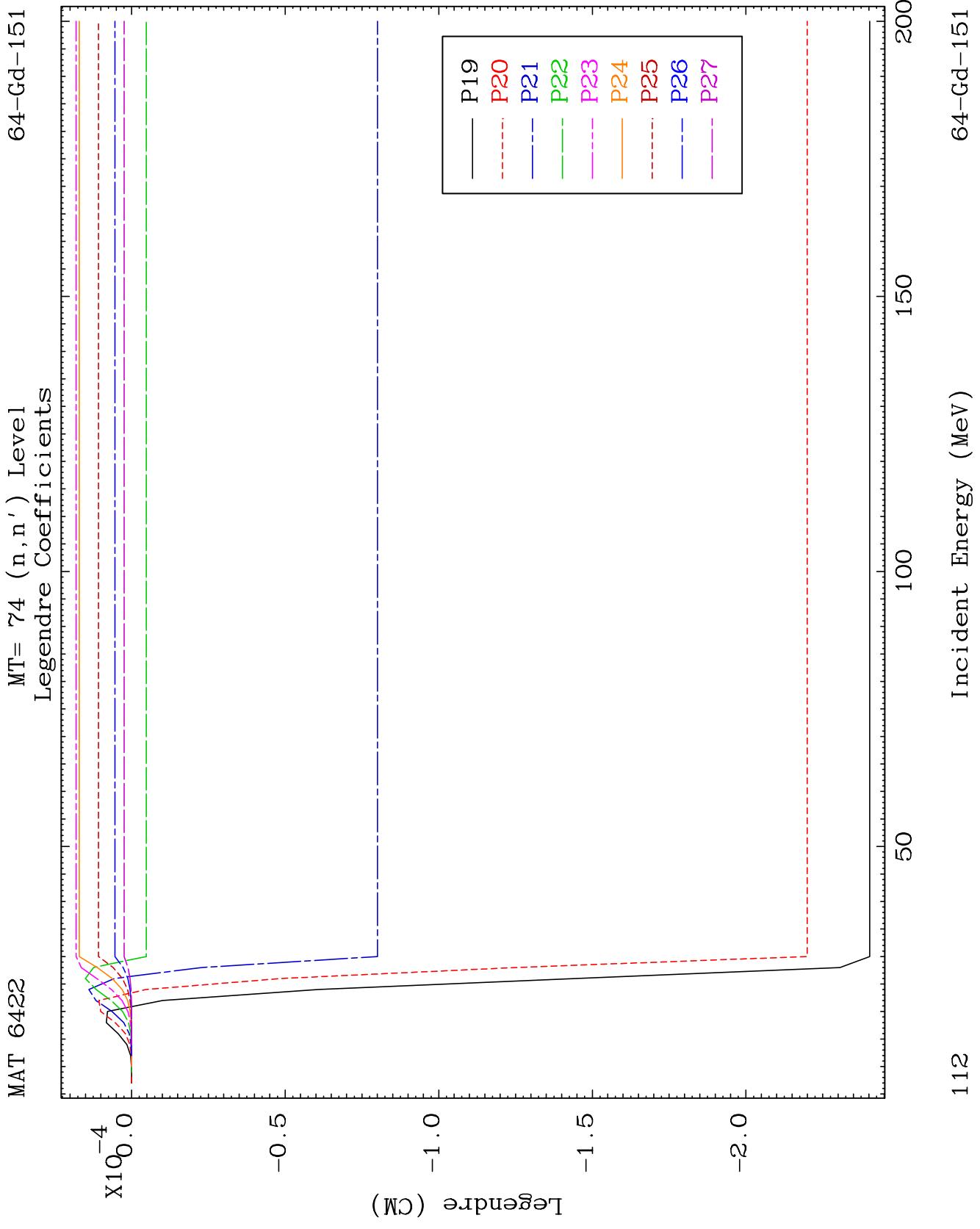
64-Gd-151



111

Incident Energy (MeV)

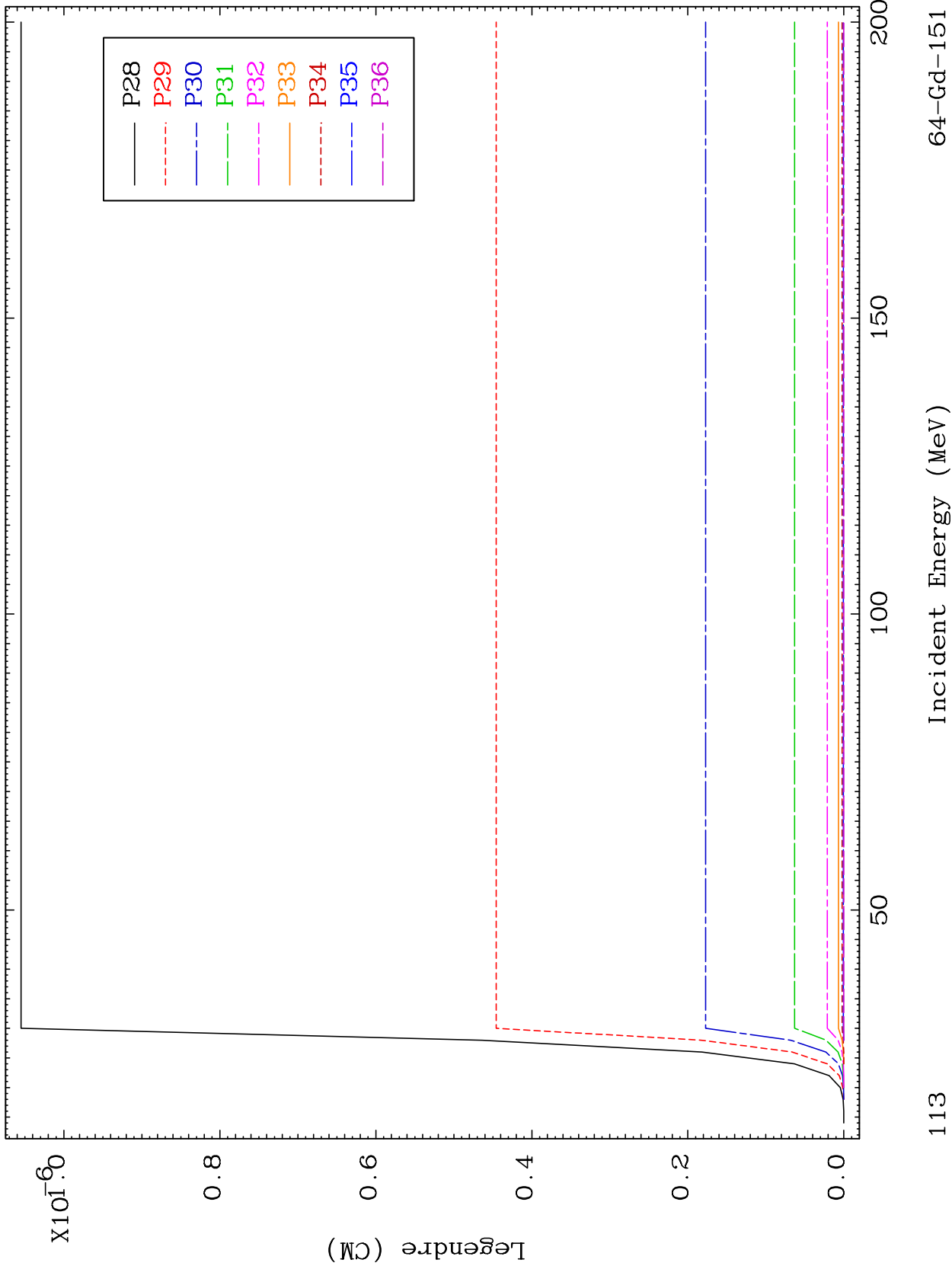
64-Gd-151



MAT 6422

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

64-Gd-151



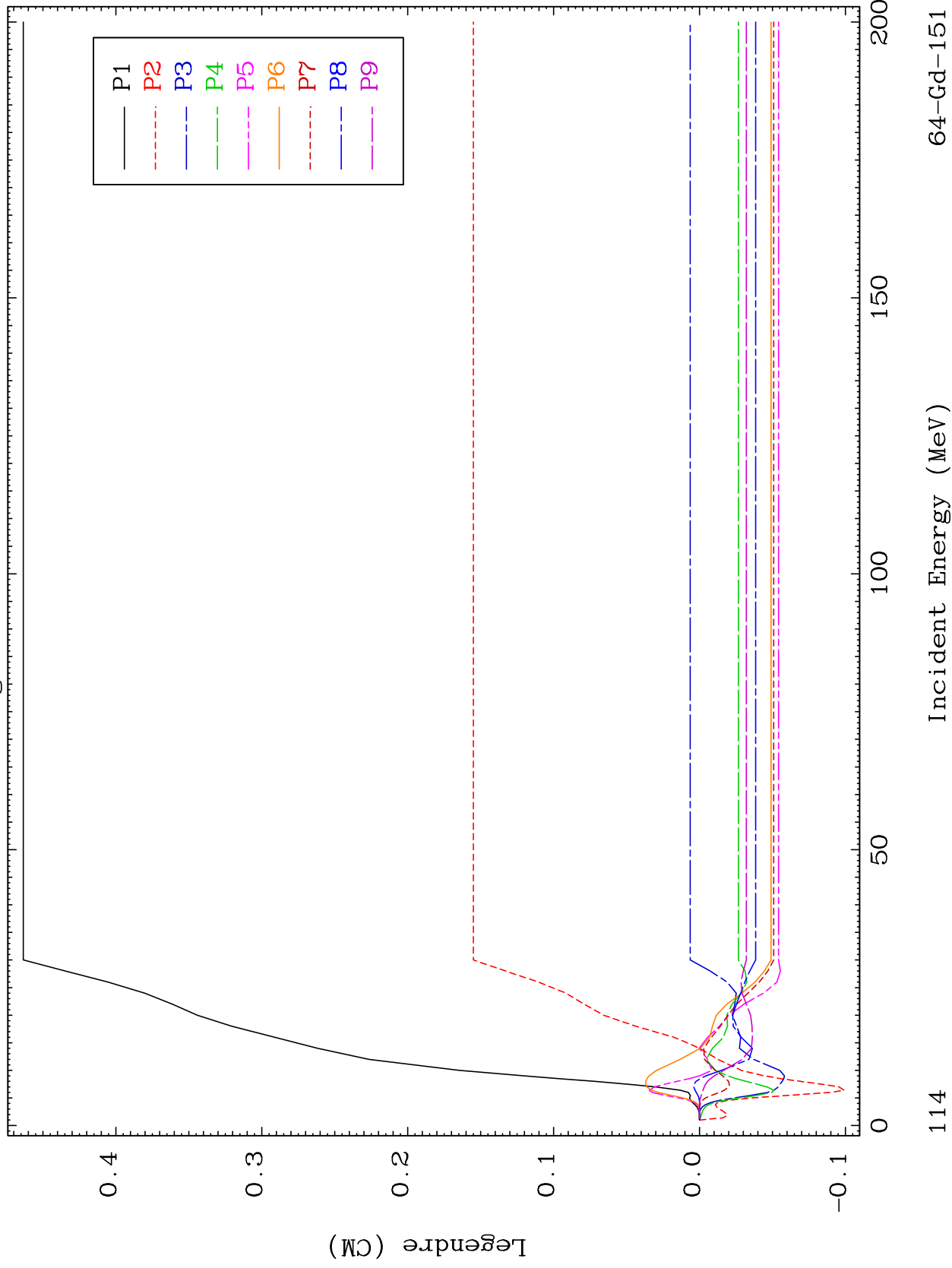
113

64-Gd-151

MAT 6422

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

64-Gd-151

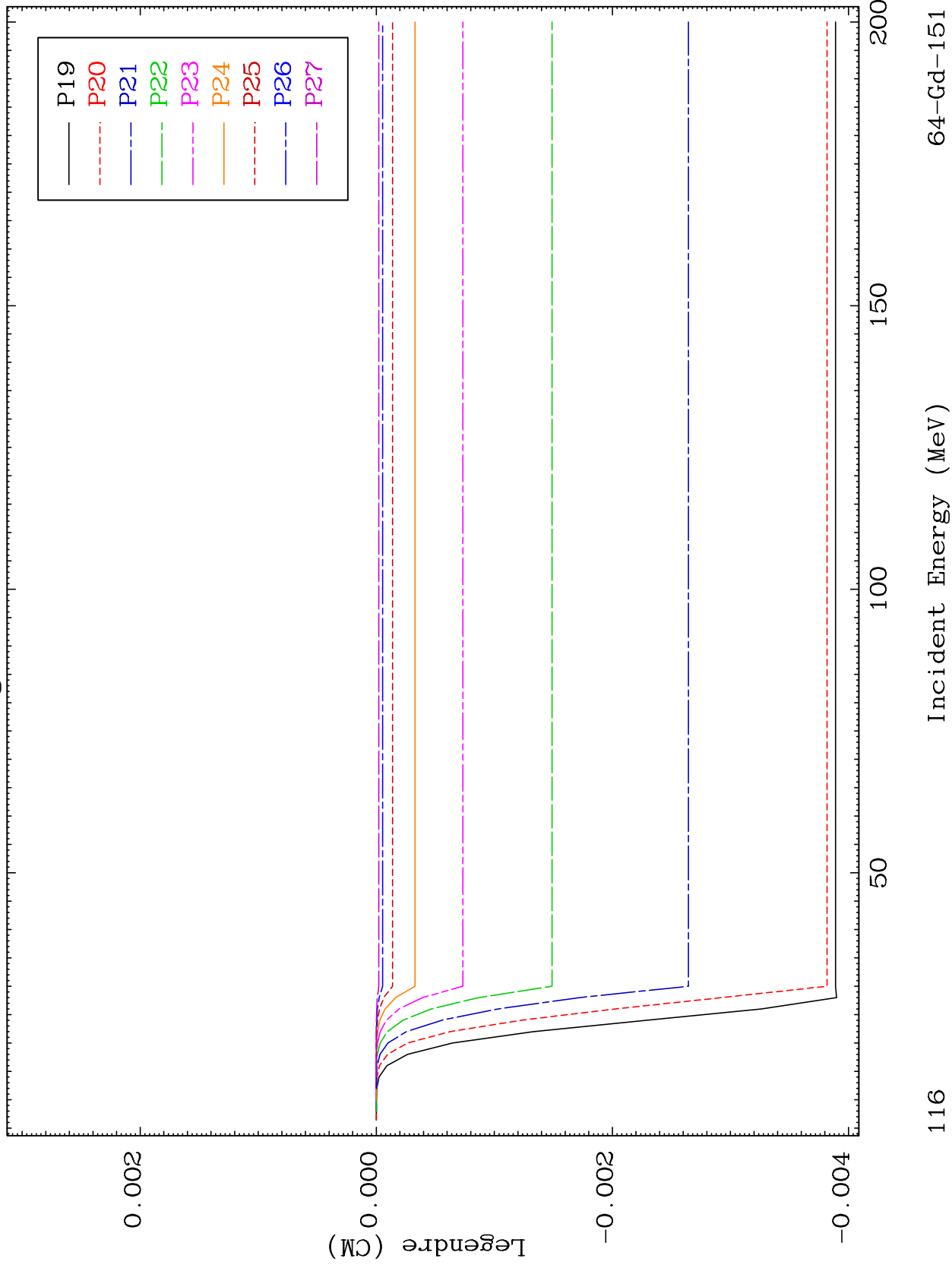


64-Gd-151

MAT 6422

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

64-Gd-151



116

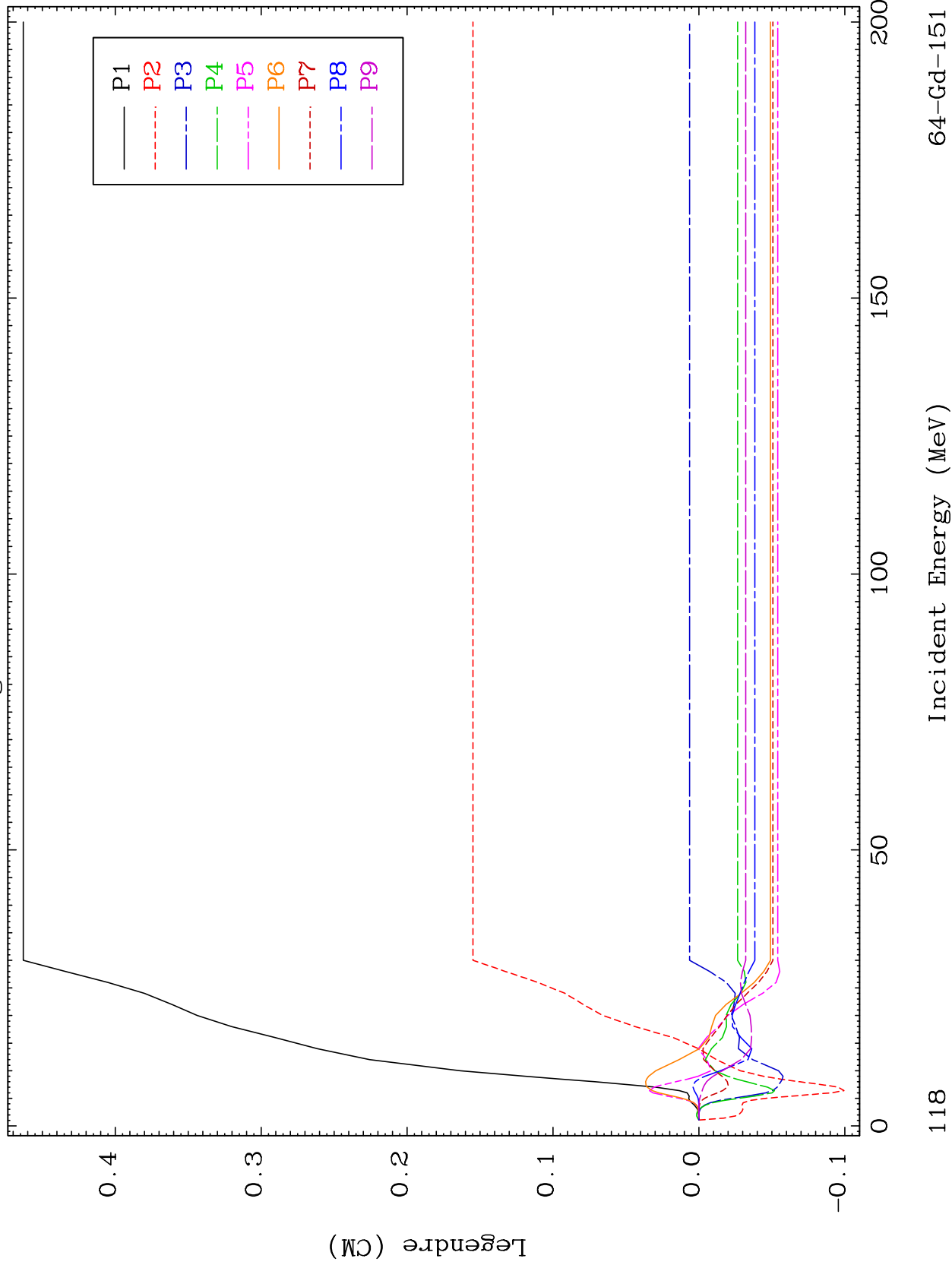
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151

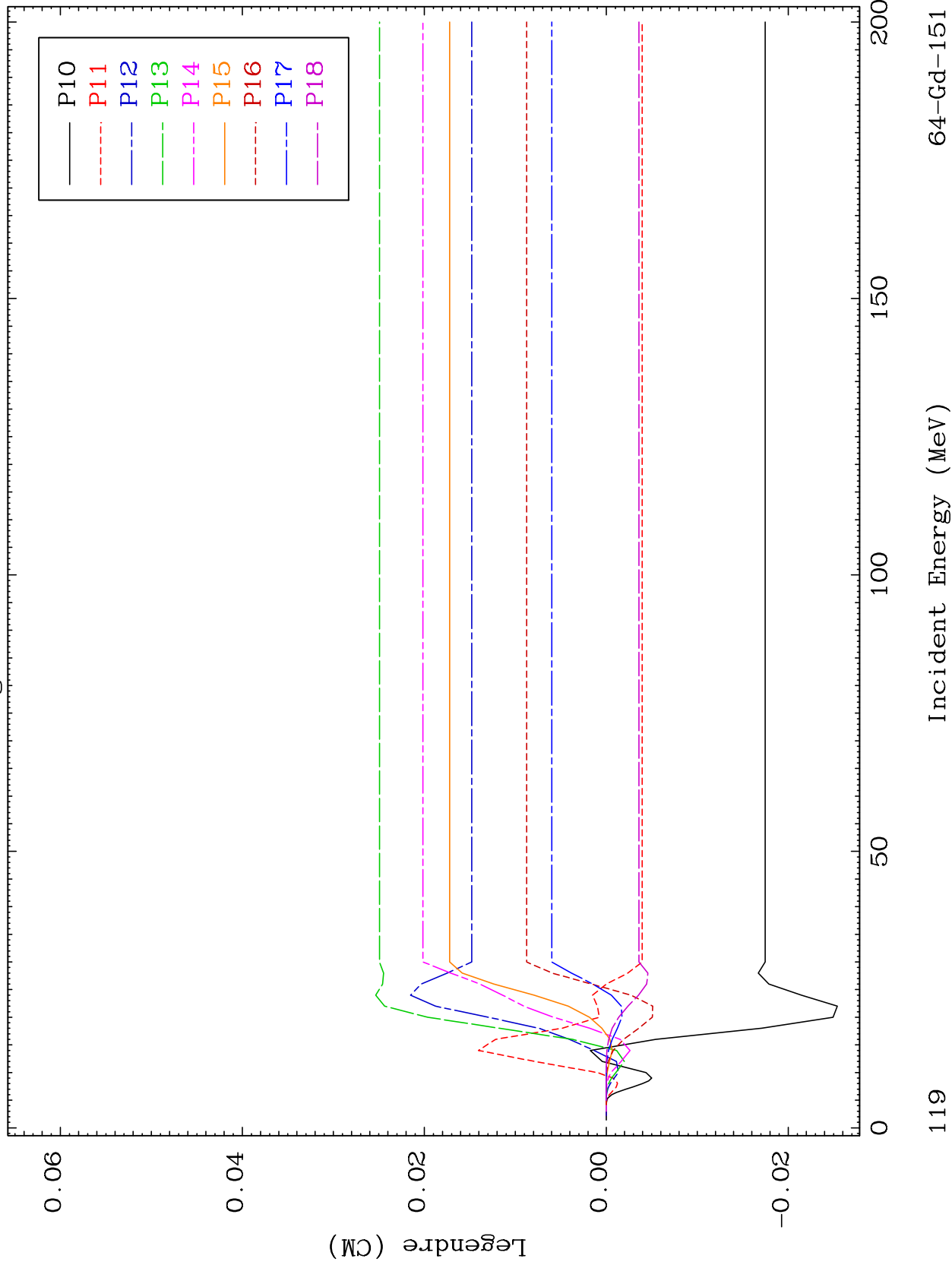


64-Gd-151

MAT 6422

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

64-Gd-151



64-Gd-151

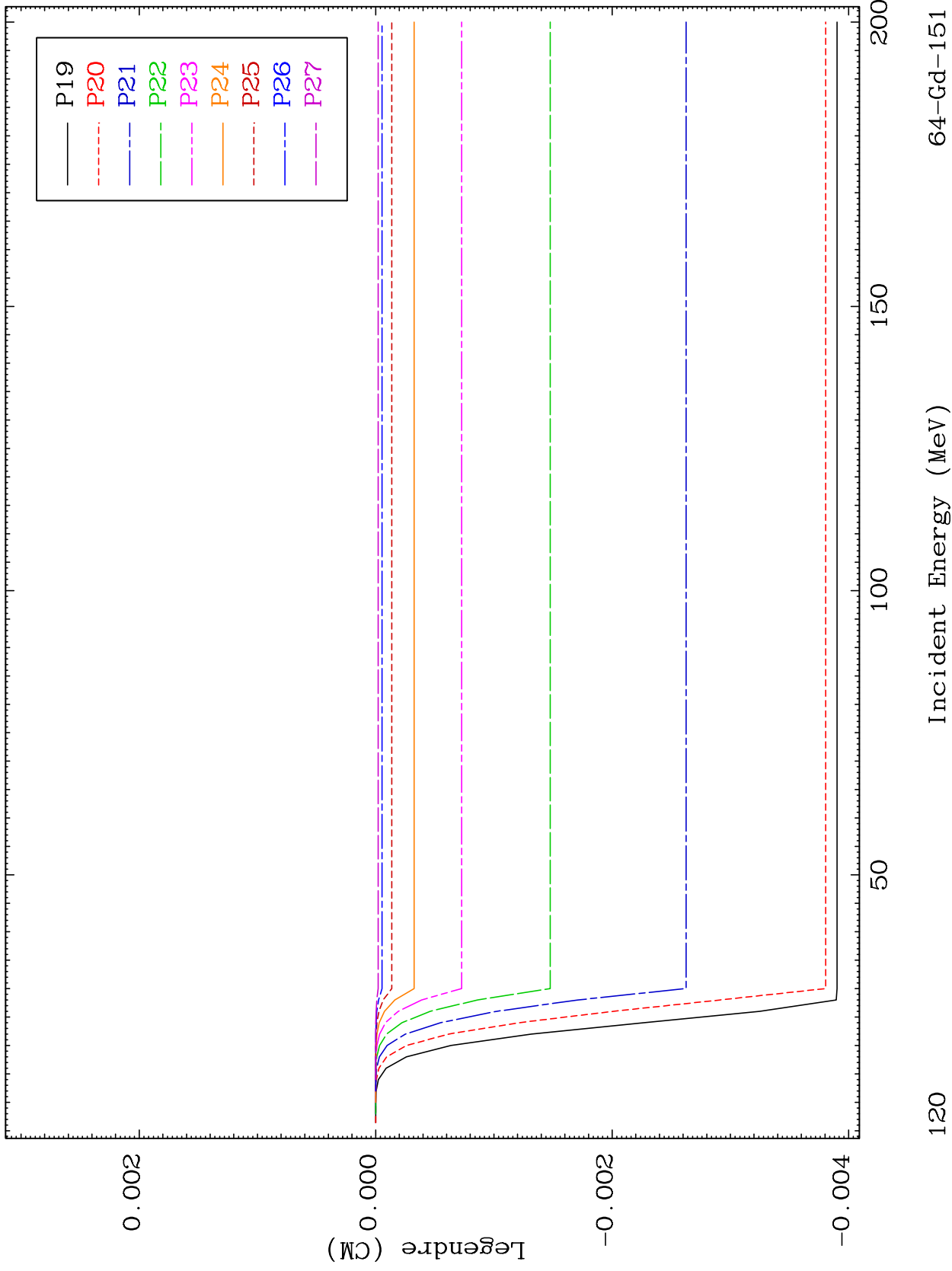
Incident Energy (MeV)

119

MAT 6422

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

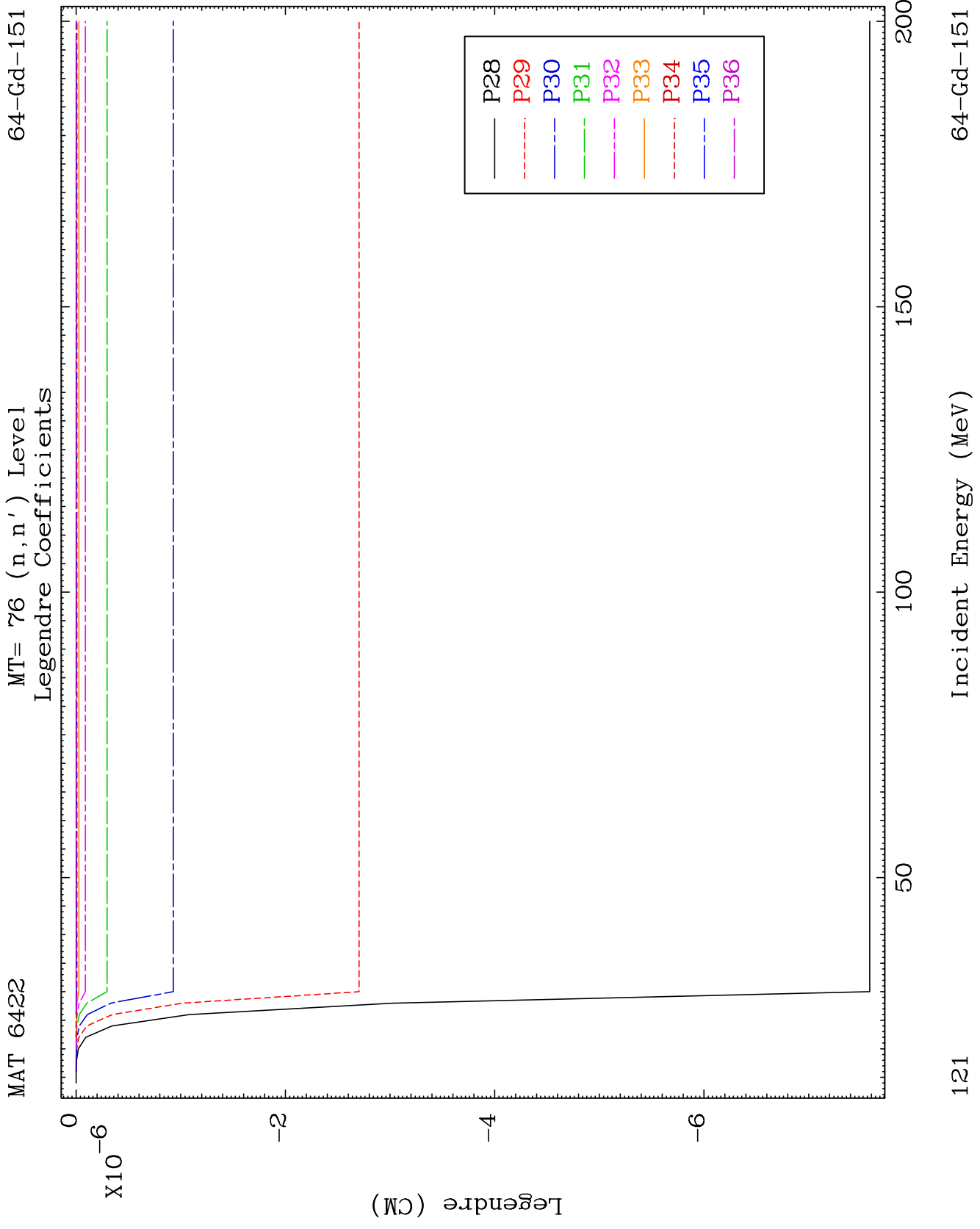
64-Gd-151

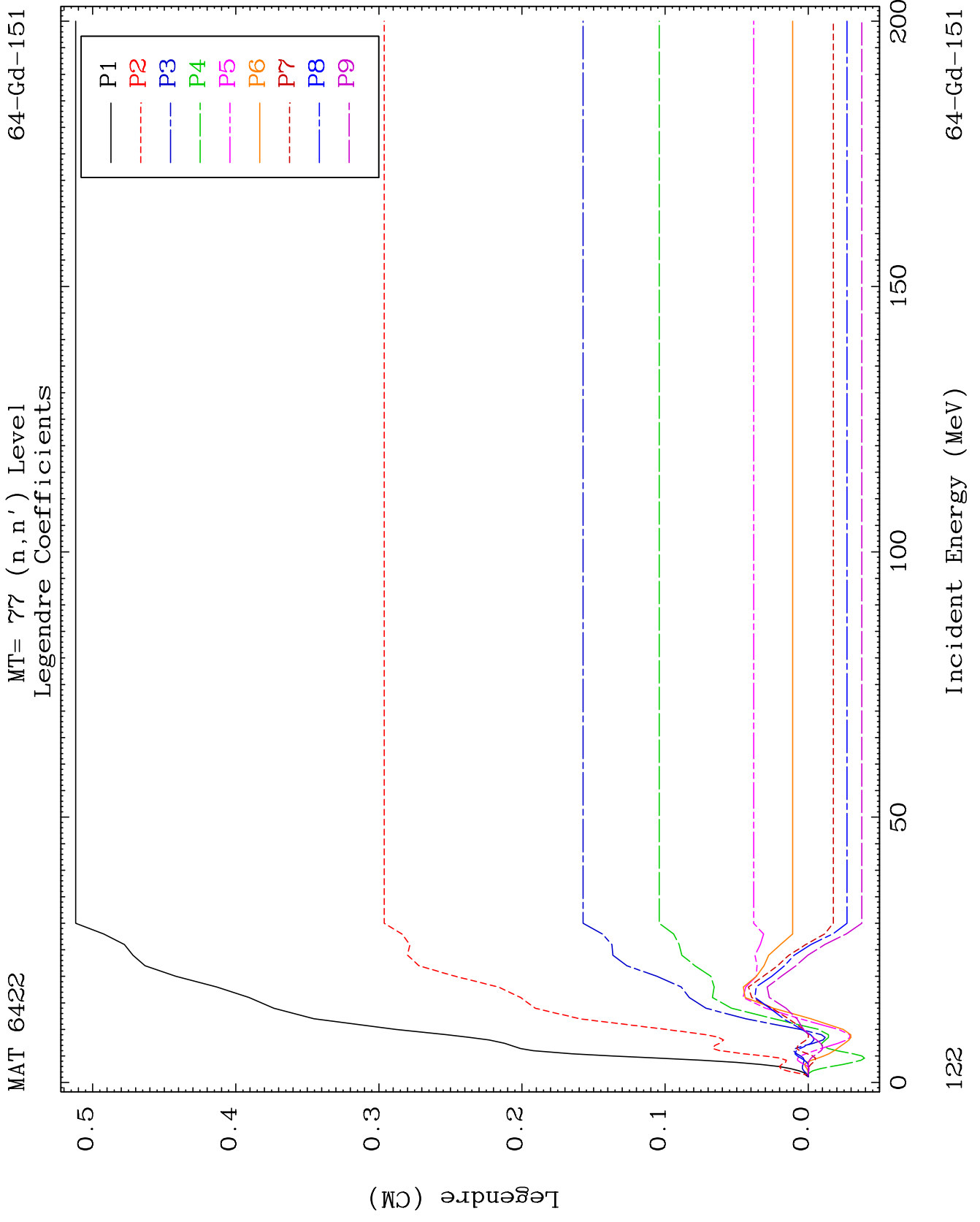


120

Incident Energy (MeV)

64-Gd-151

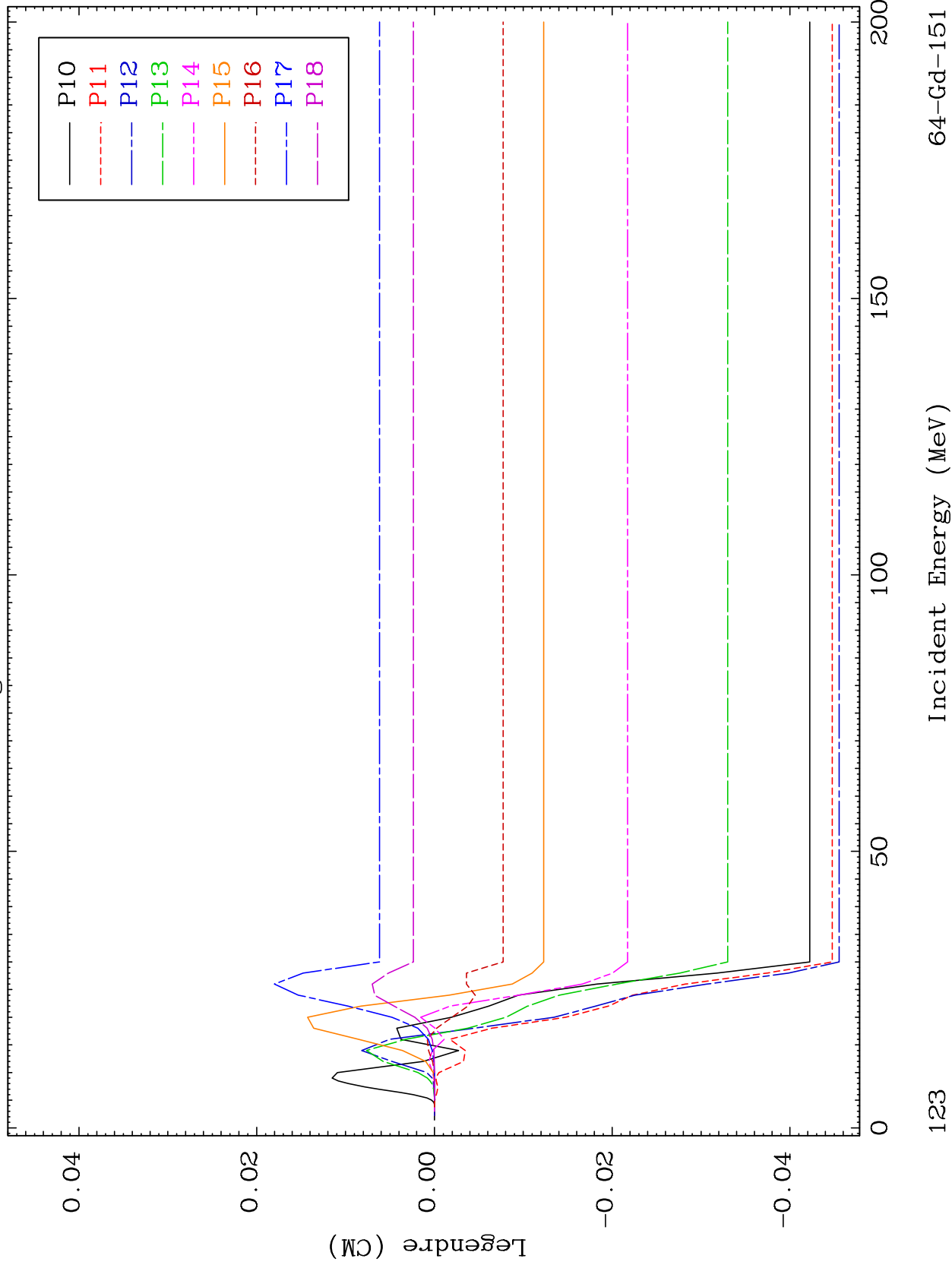




MAT 6422

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

64-Gd-151



64-Gd-151

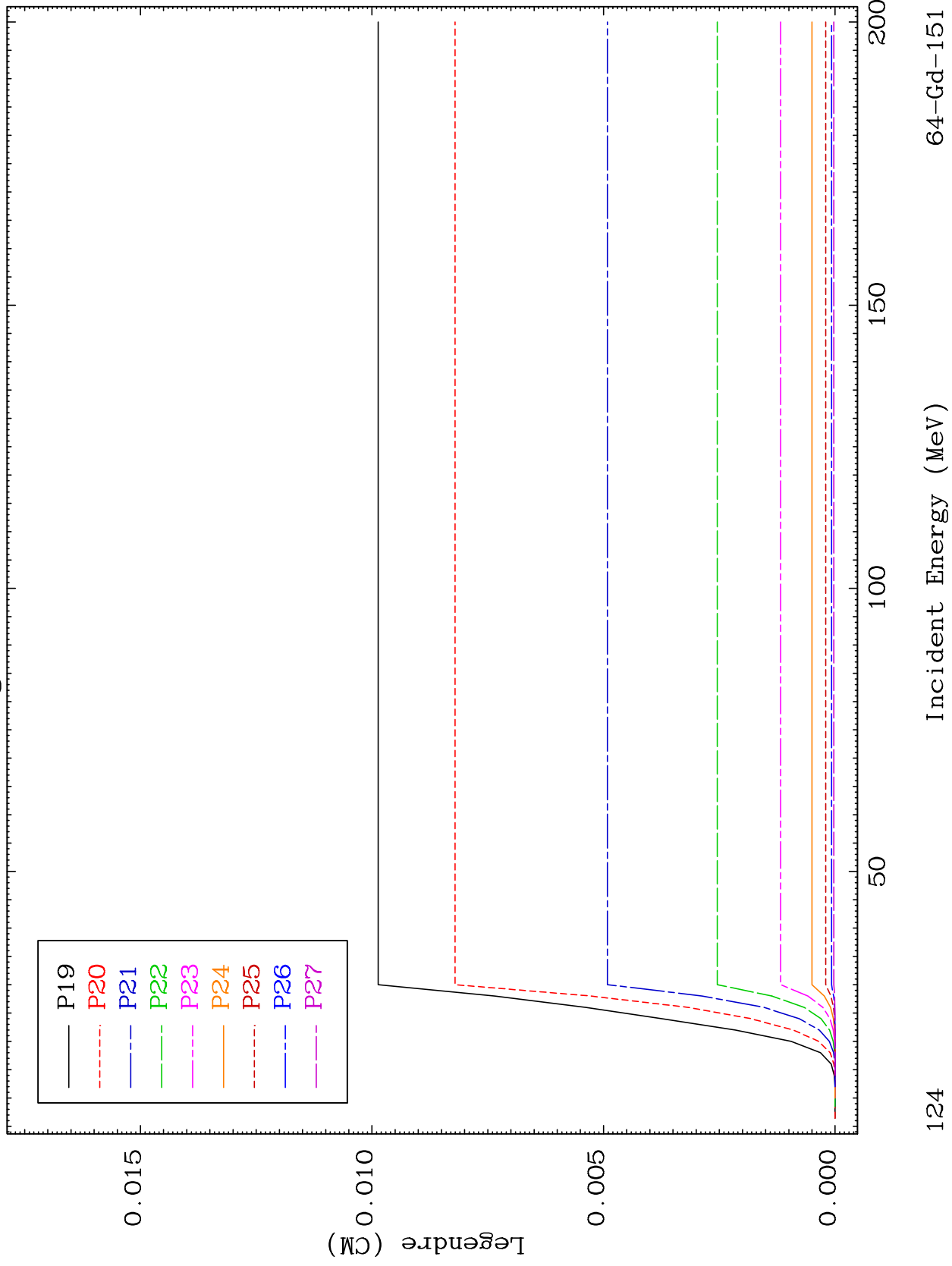
Incident Energy (MeV)

123

MAT 6422

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

64-Gd-151



124

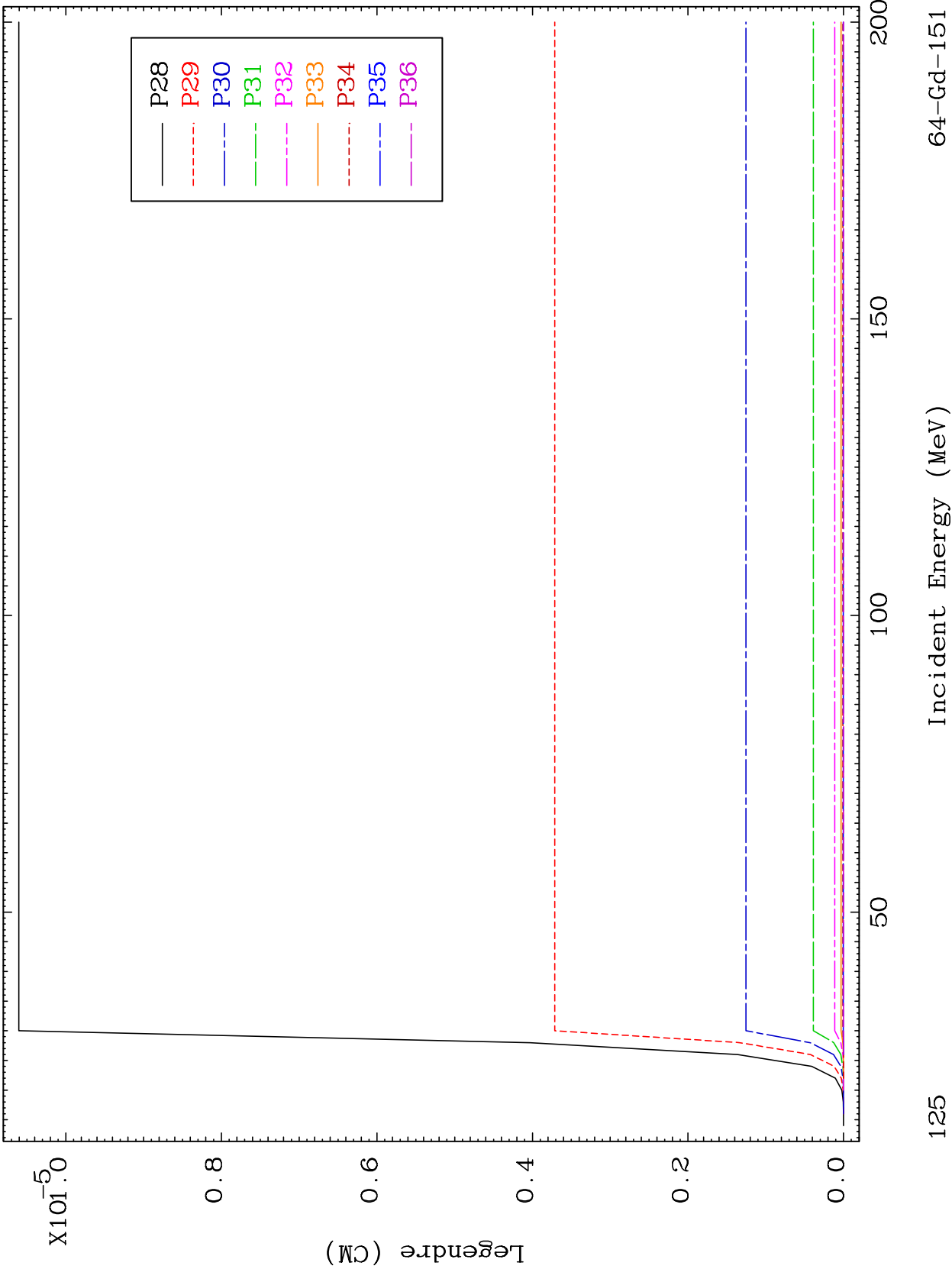
Incident Energy (MeV)

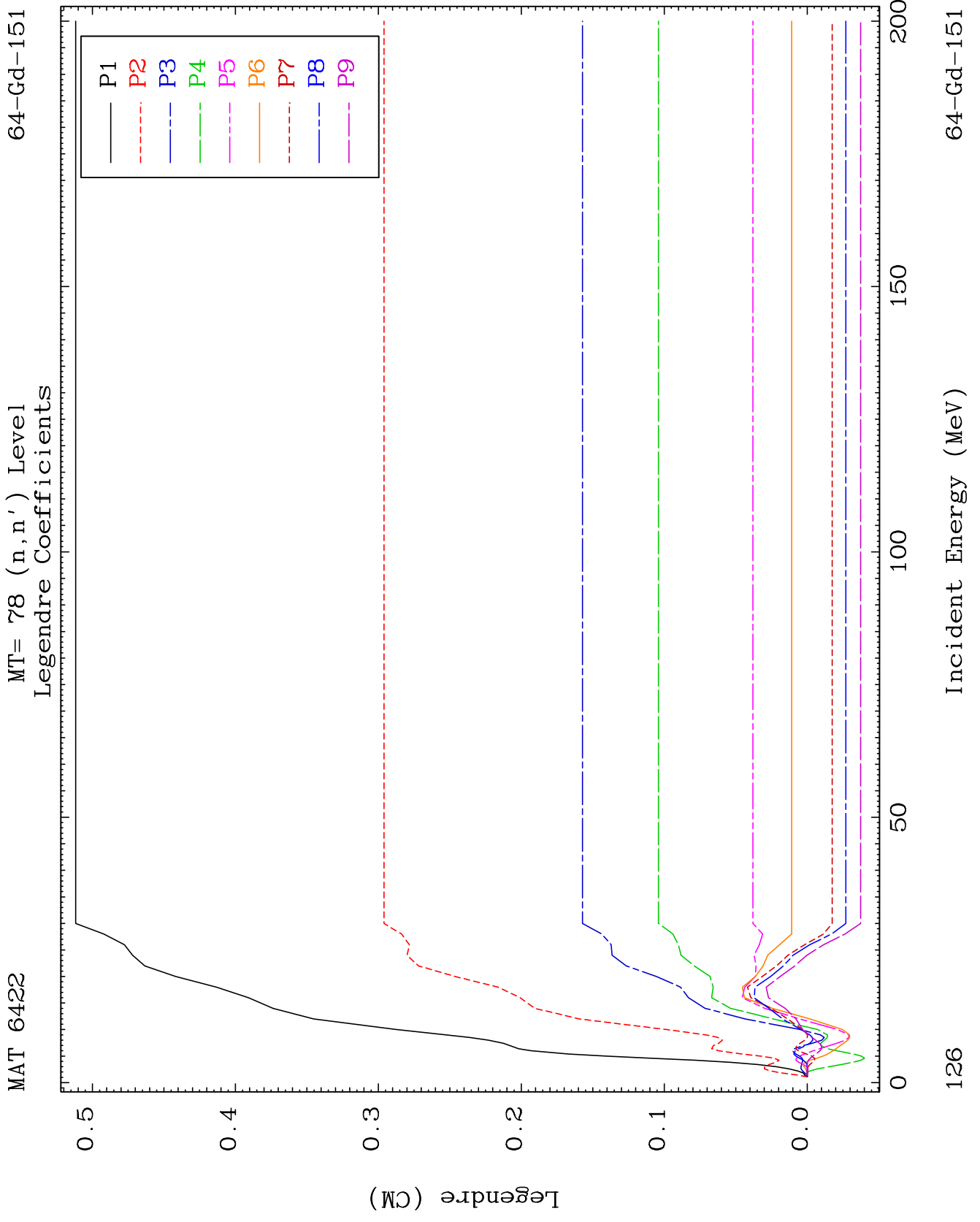
64-Gd-151

MAT 6422

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

64-Gd-151

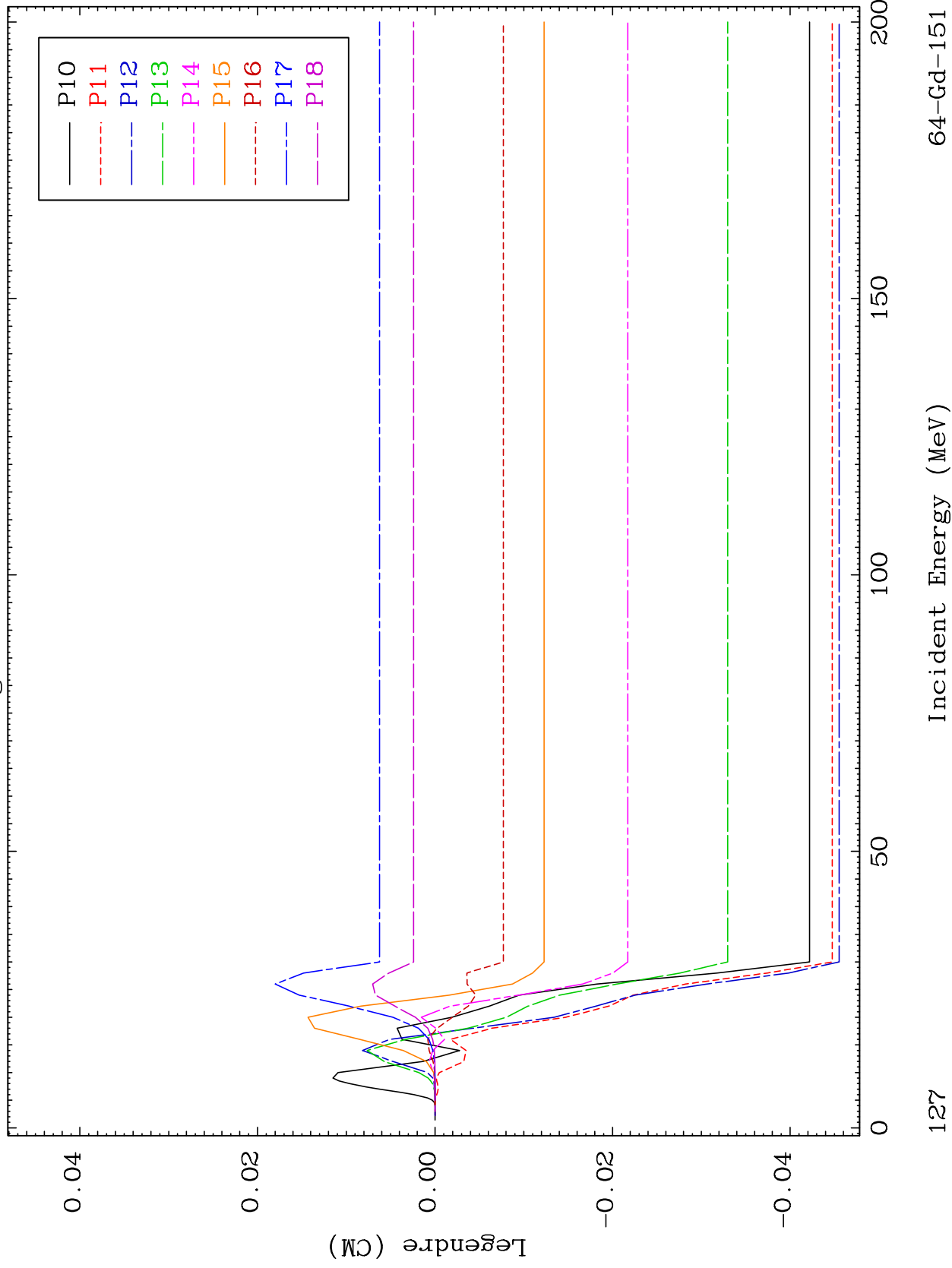




MAT 6422

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

64-Gd-151



127

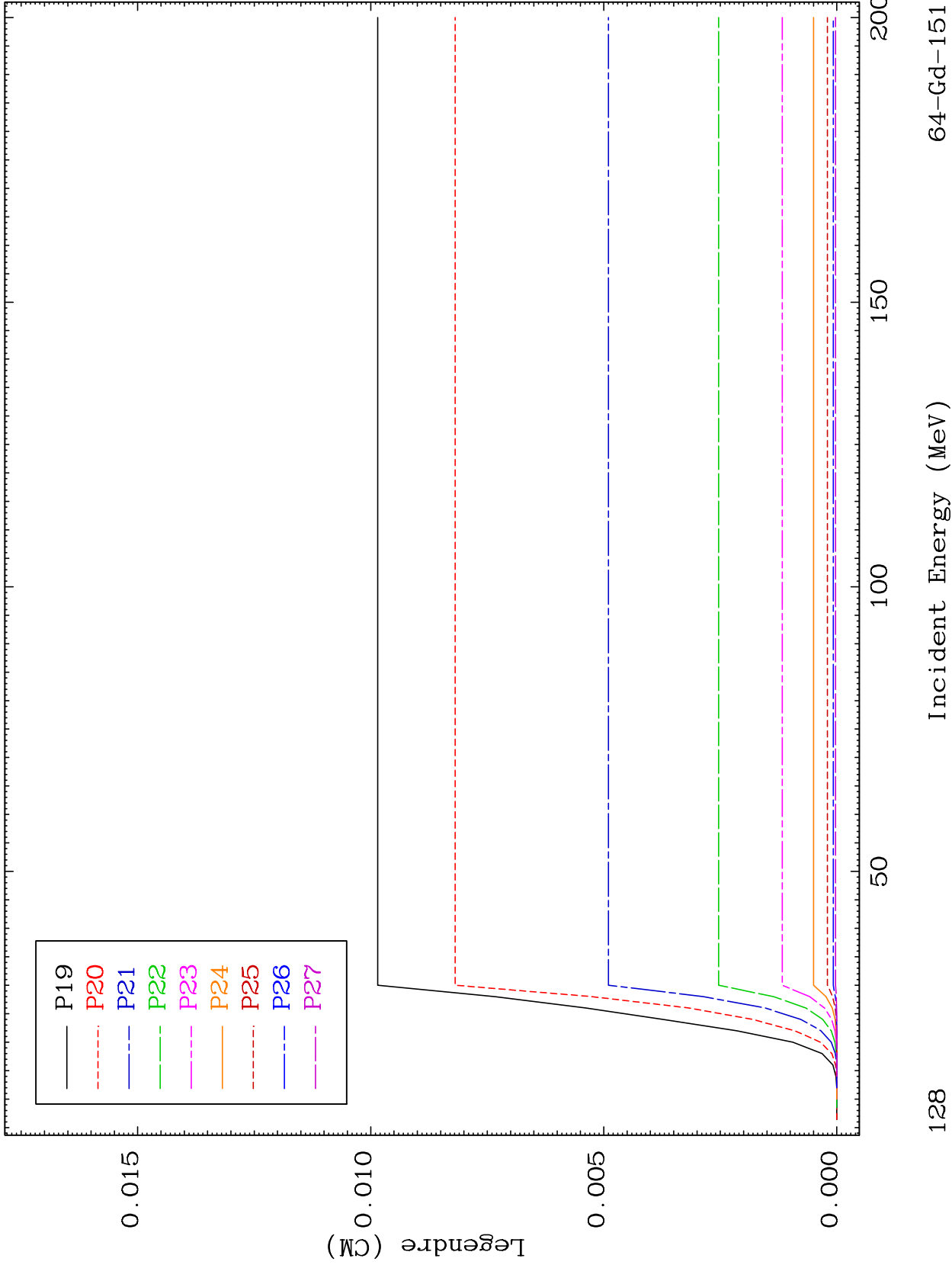
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



128

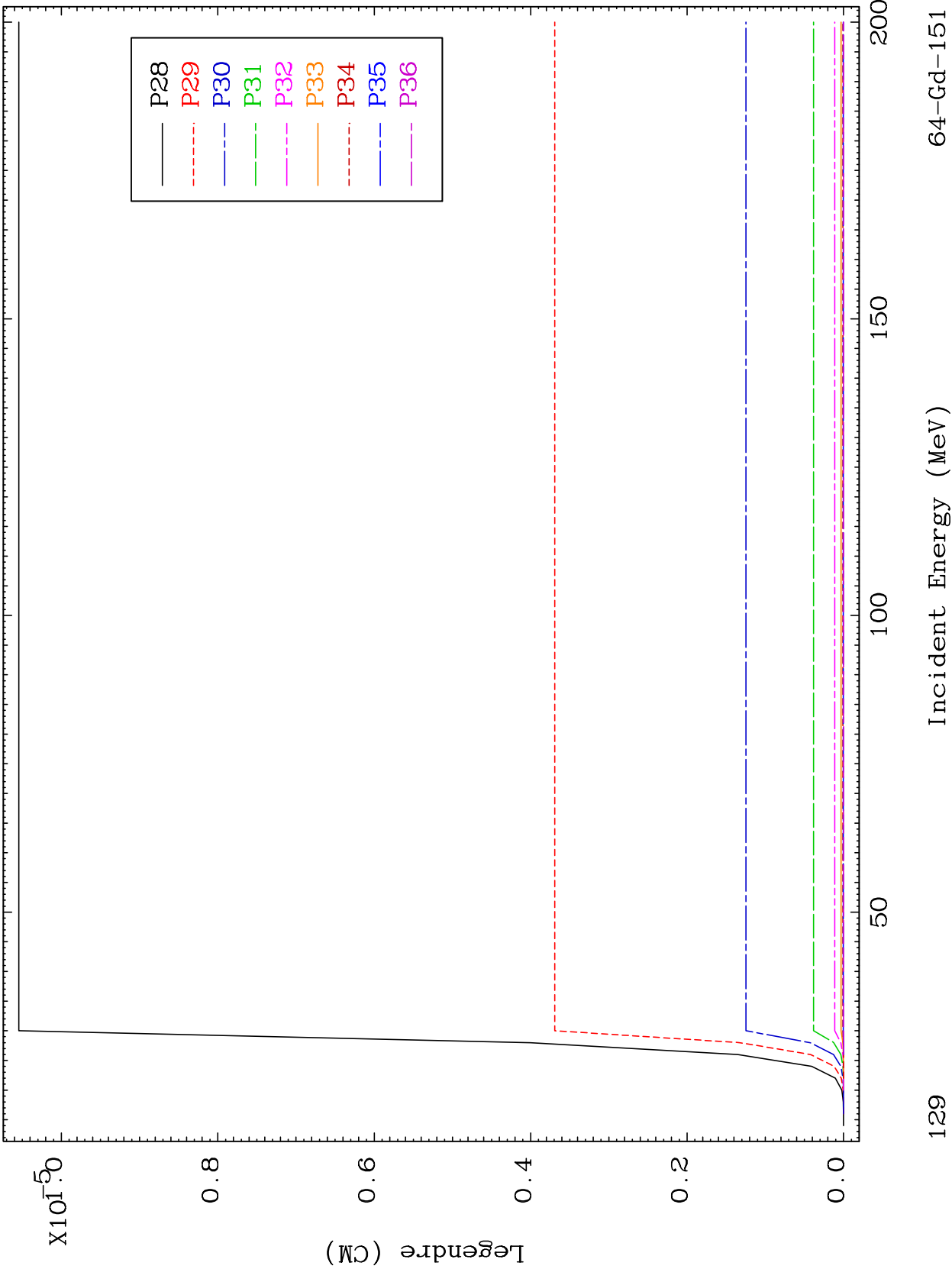
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



129

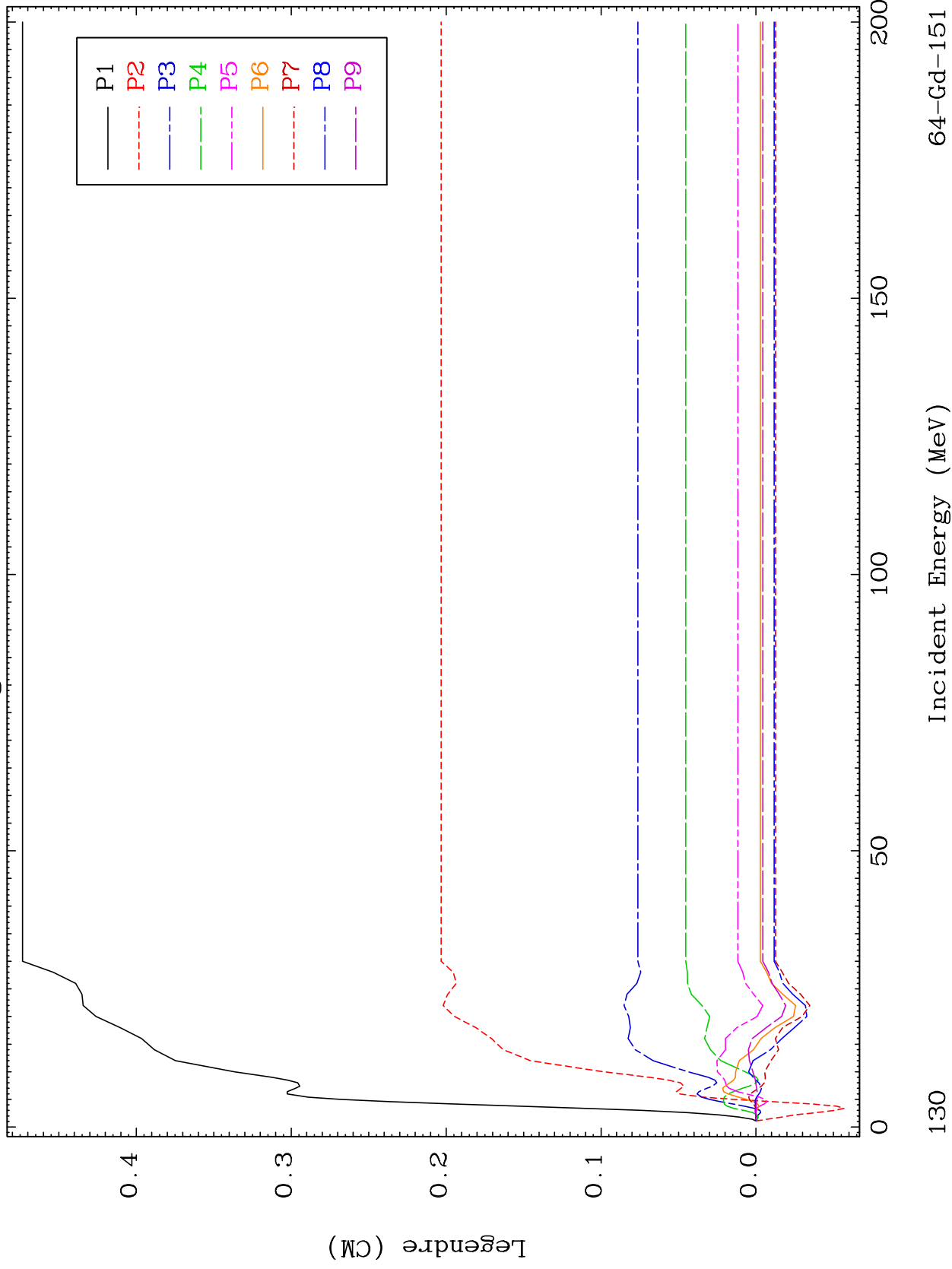
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



64-Gd-151

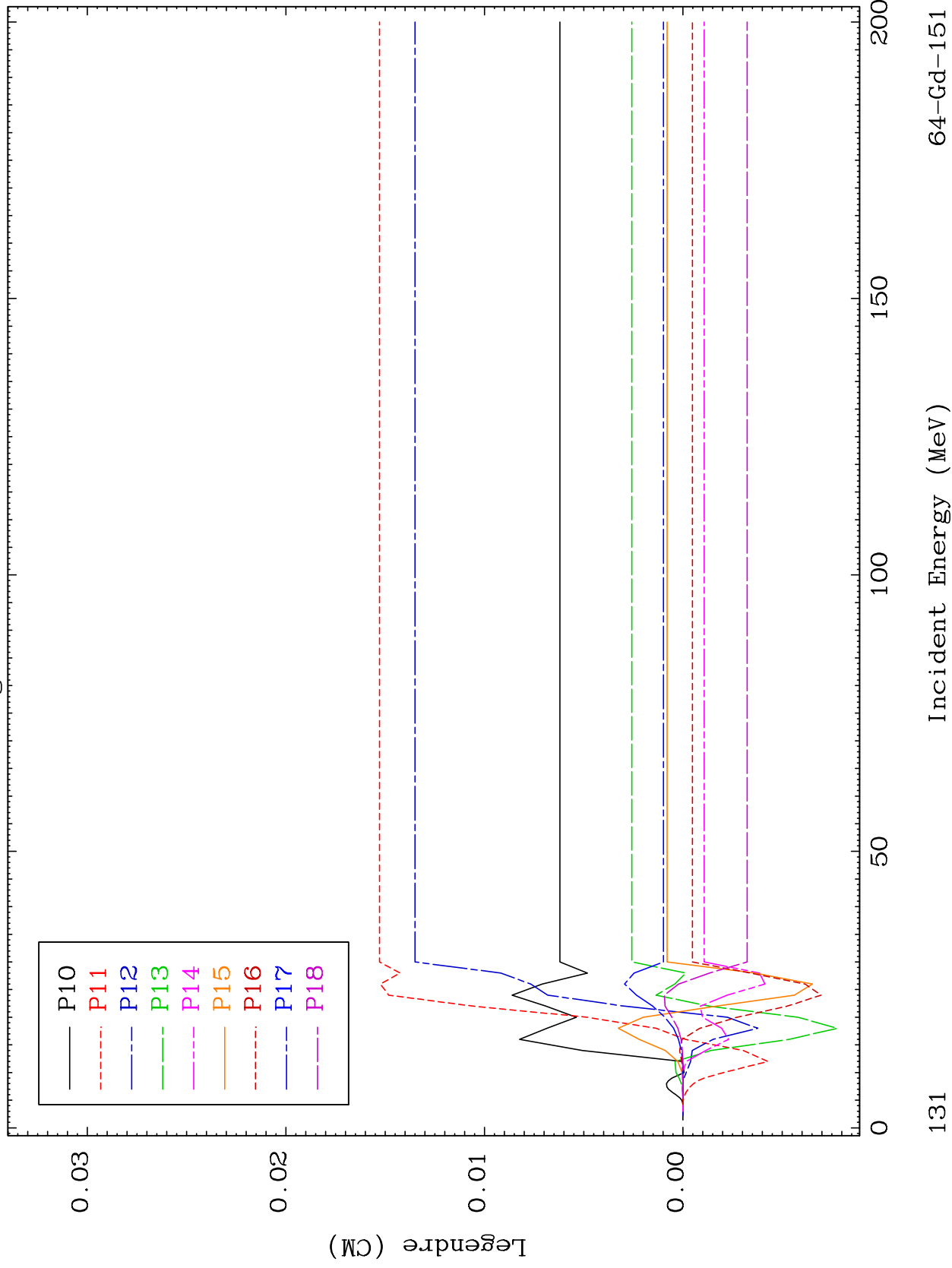
Incident Energy (MeV)

130

MAT 6422

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

64-Gd-151



131

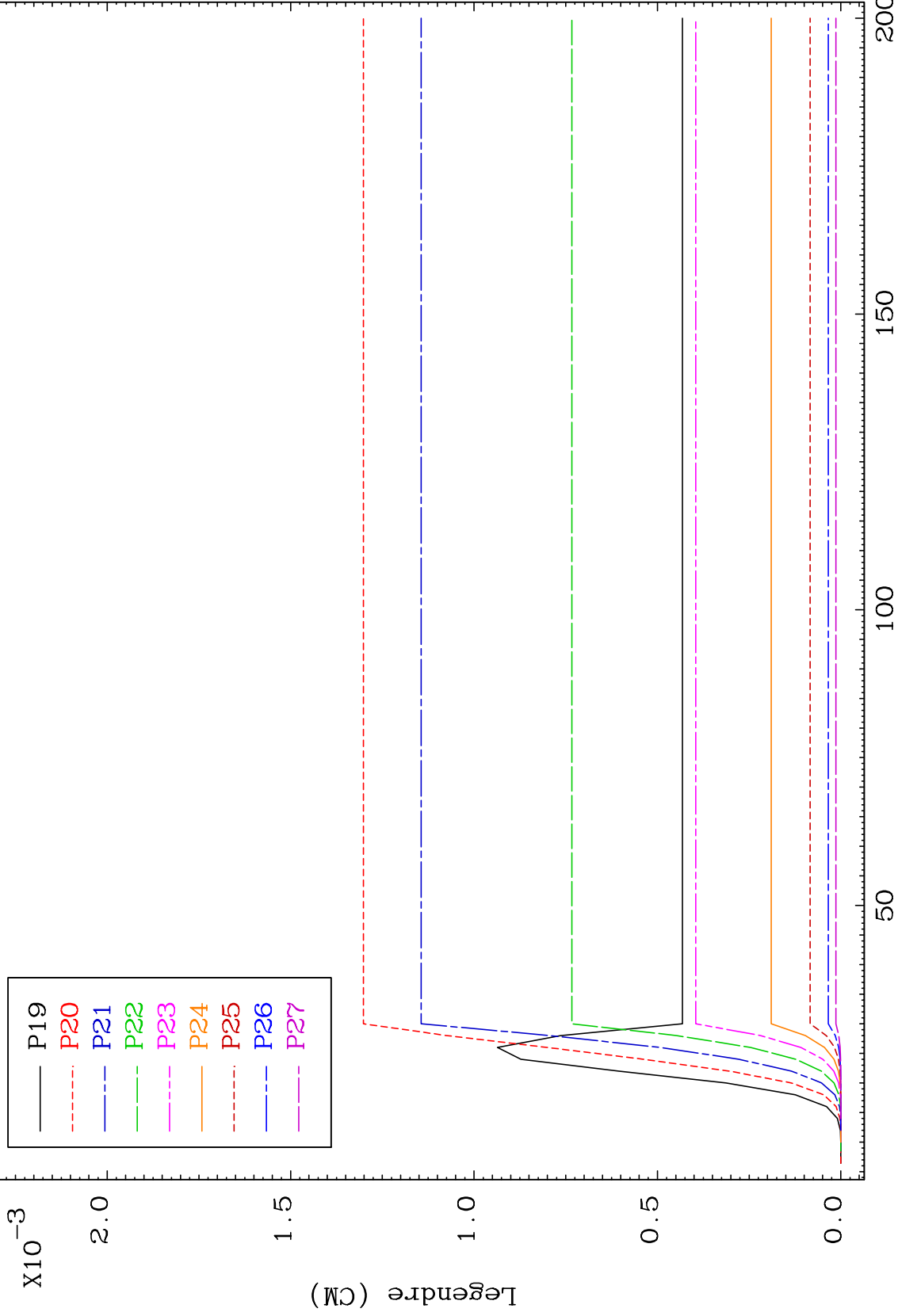
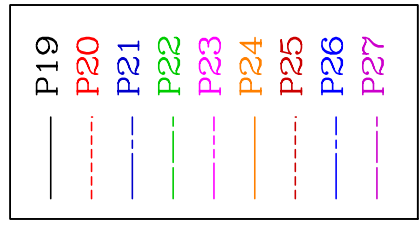
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



132

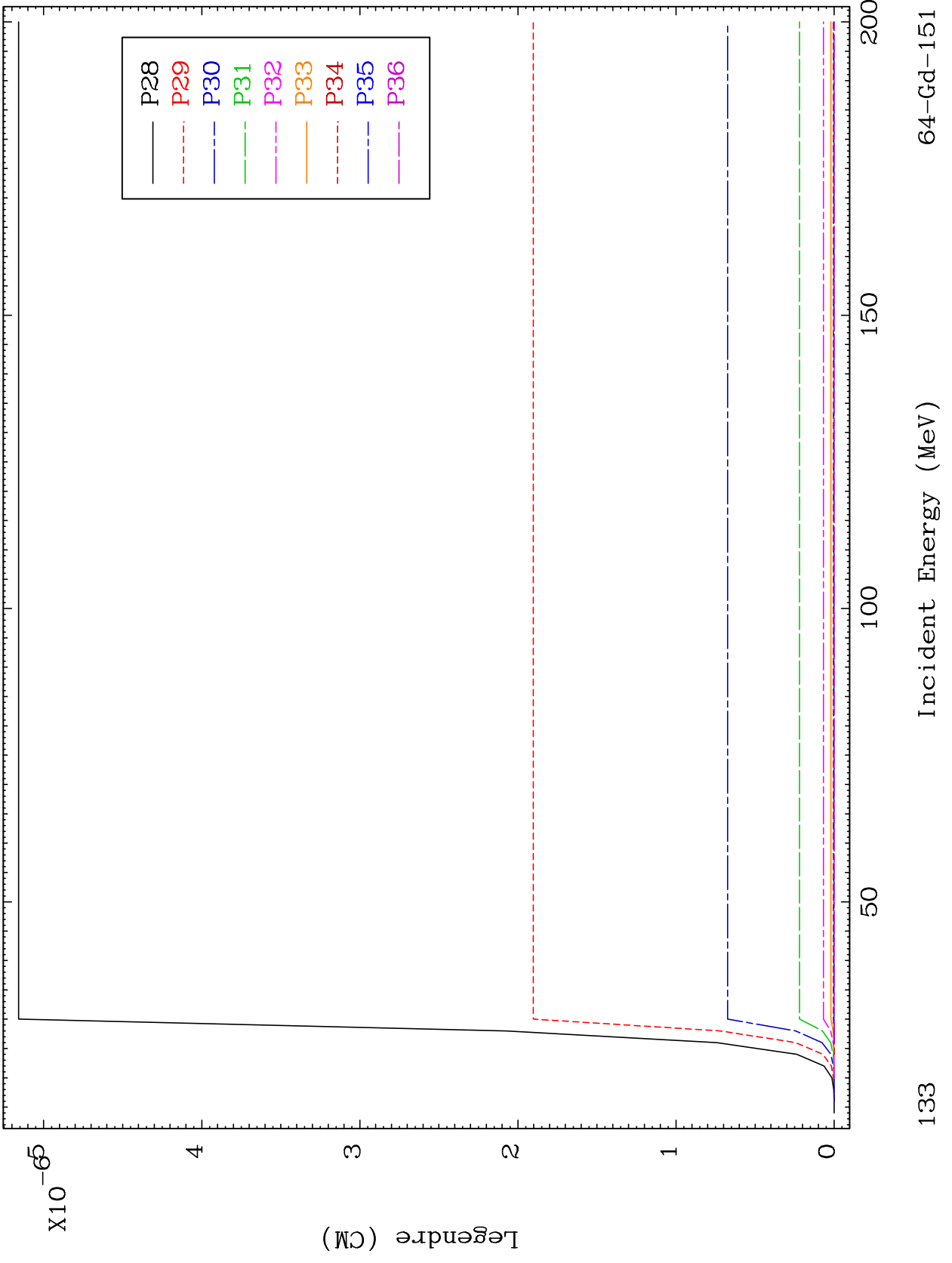
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151

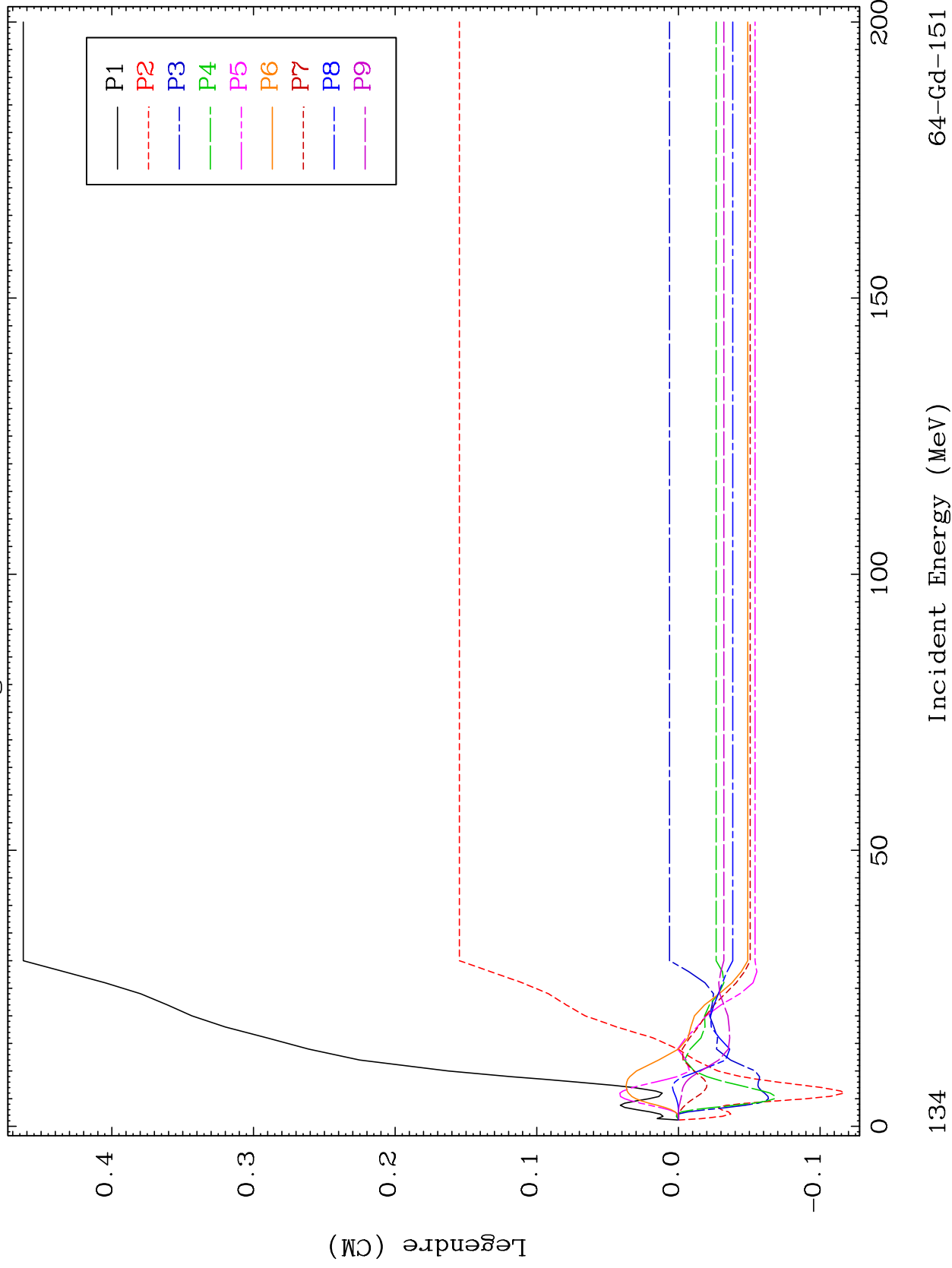


133

MAT 6422

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

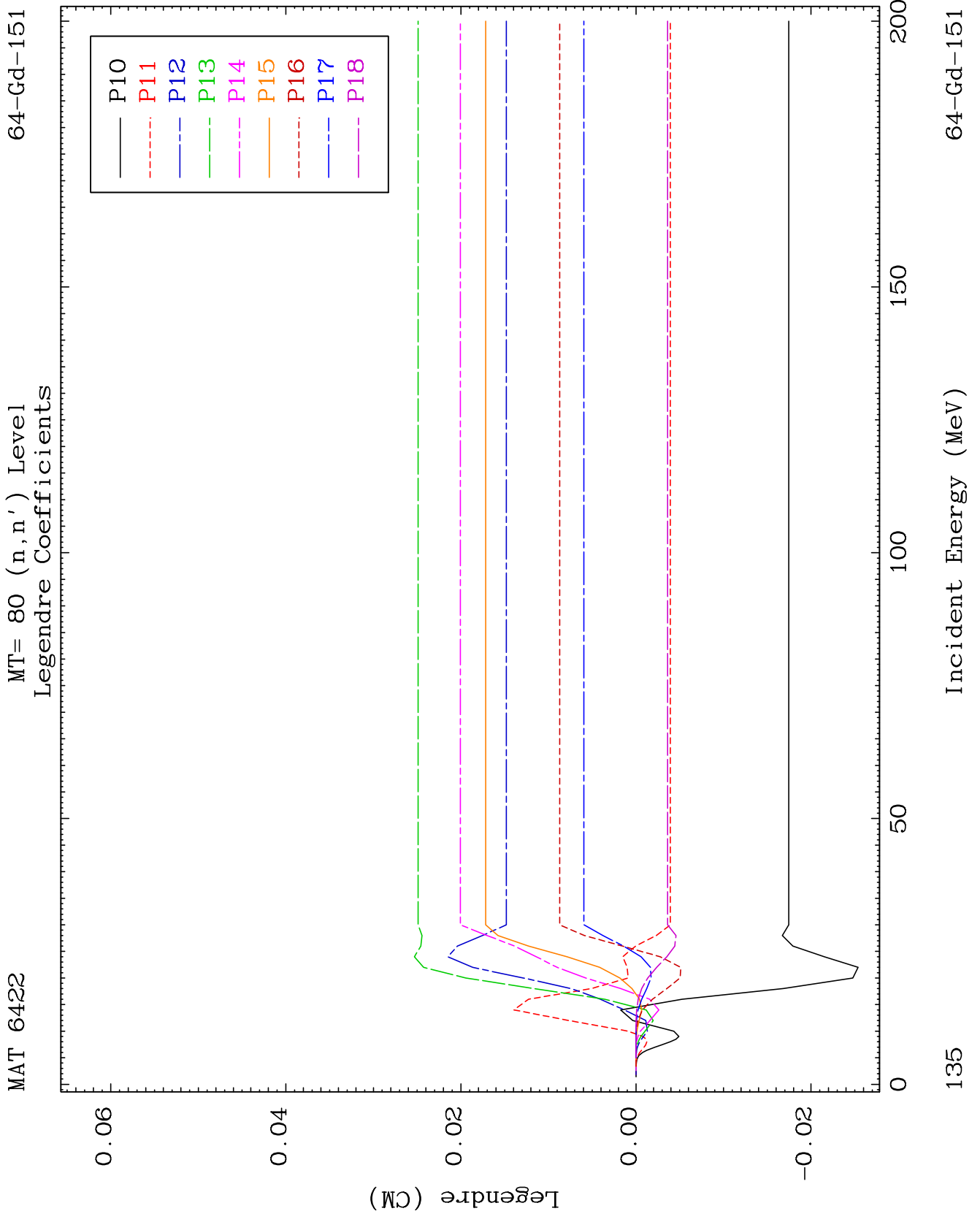
64-Gd-151



64-Gd-151

Incident Energy (MeV)

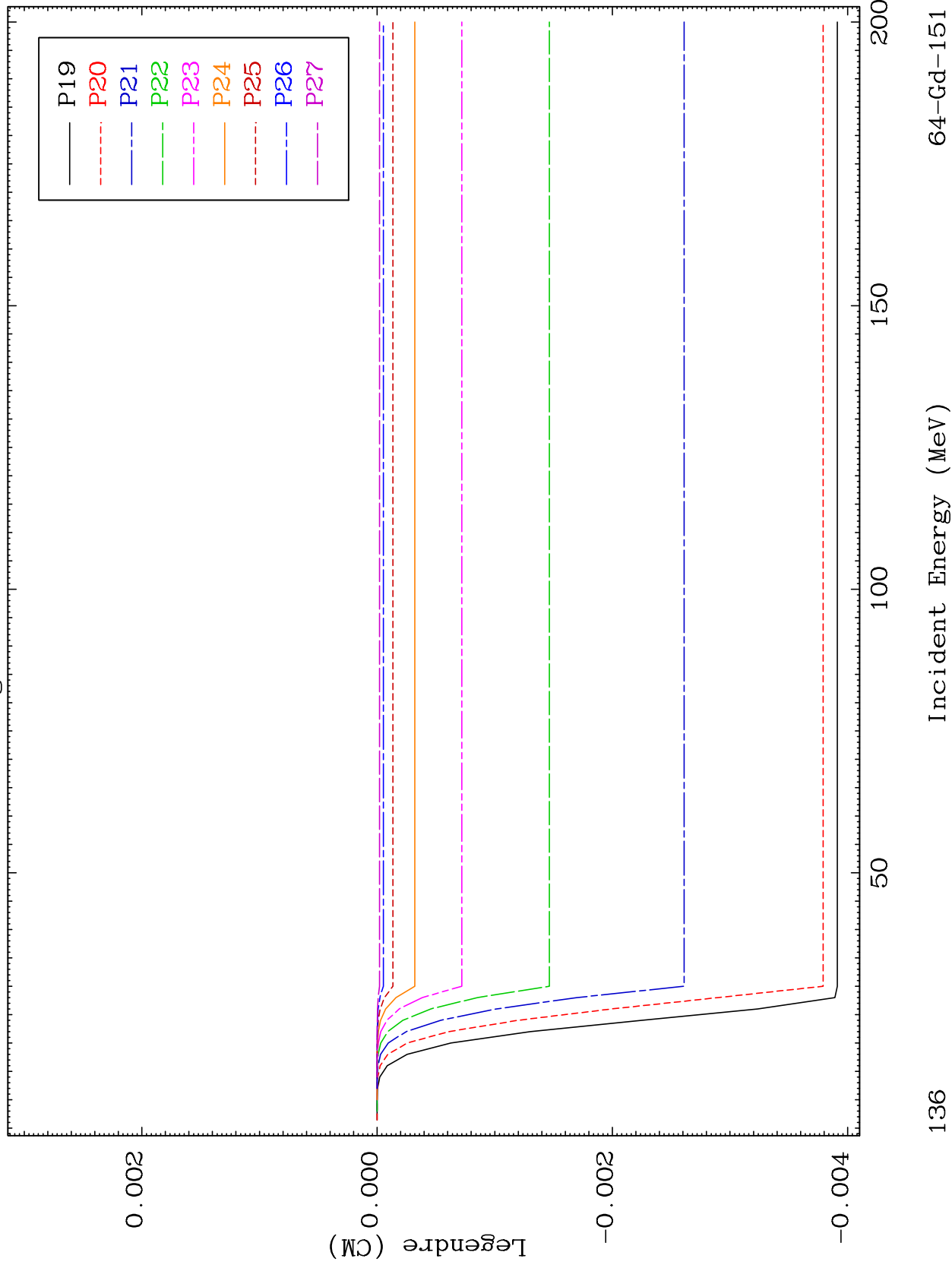
134



MAT 6422

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

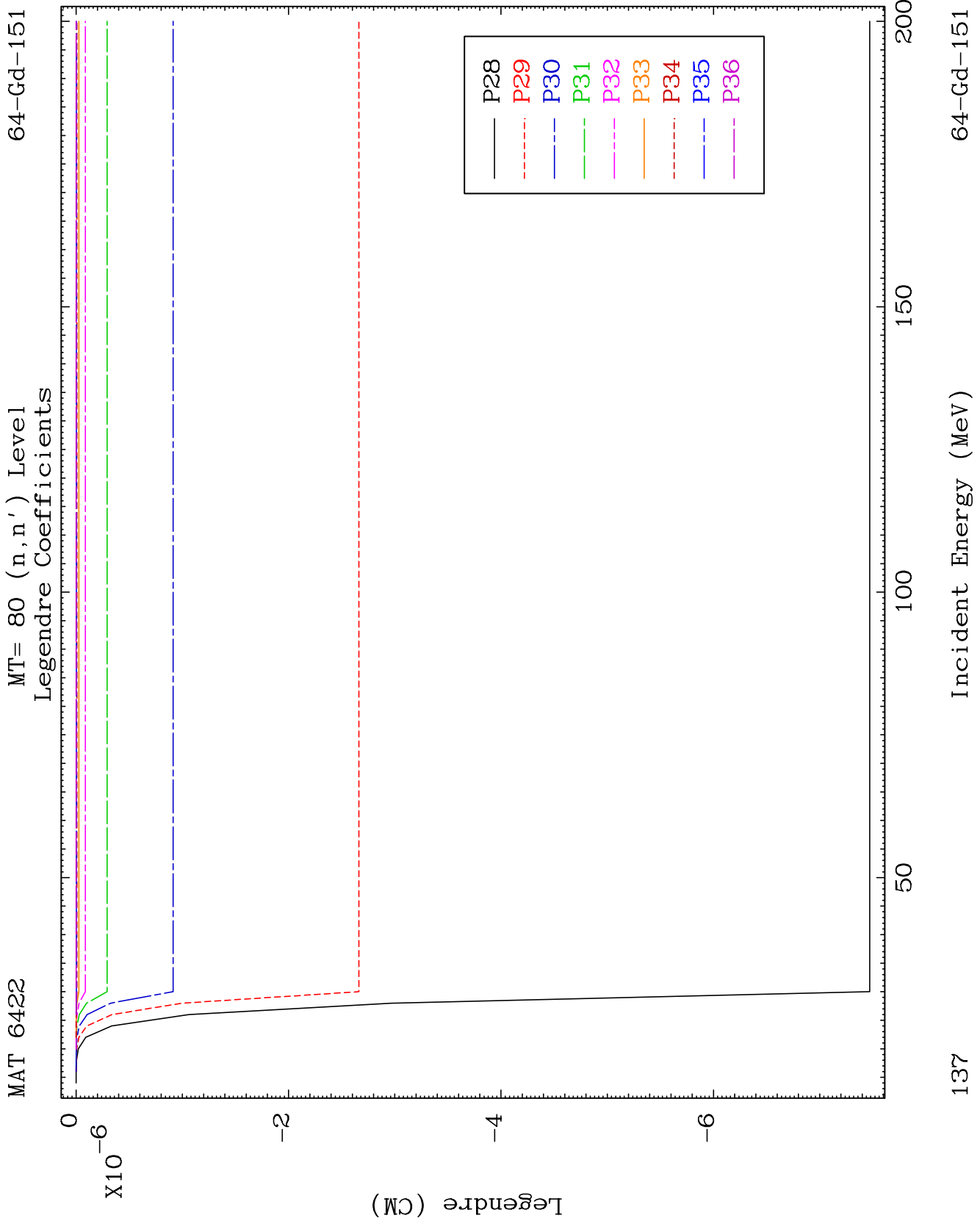
64-Gd-151



136

Incident Energy (MeV)

64-Gd-151

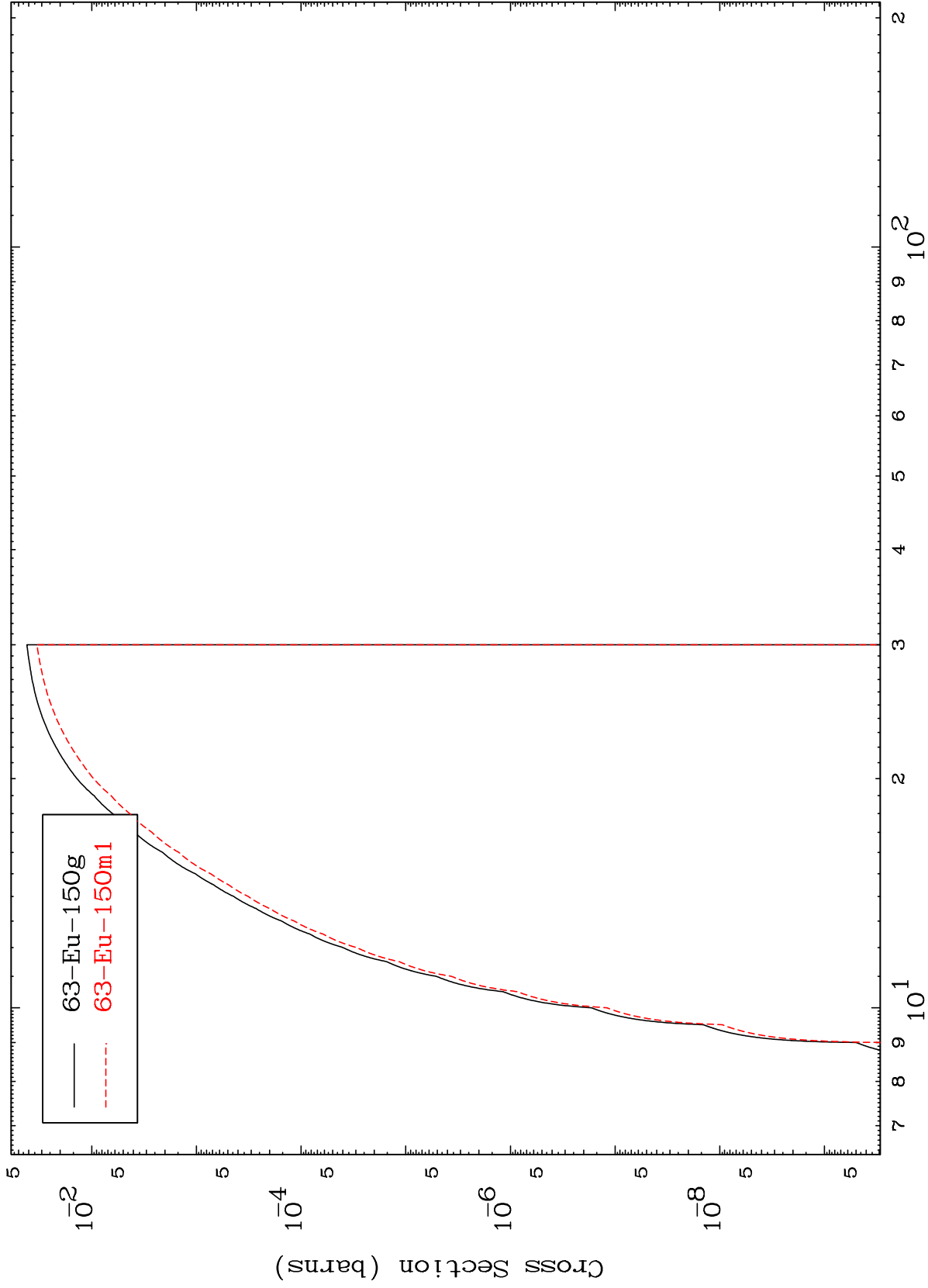


MAT 6422

(n,n') p

64-Gd-151

Radionuclide Production Cross Section



138

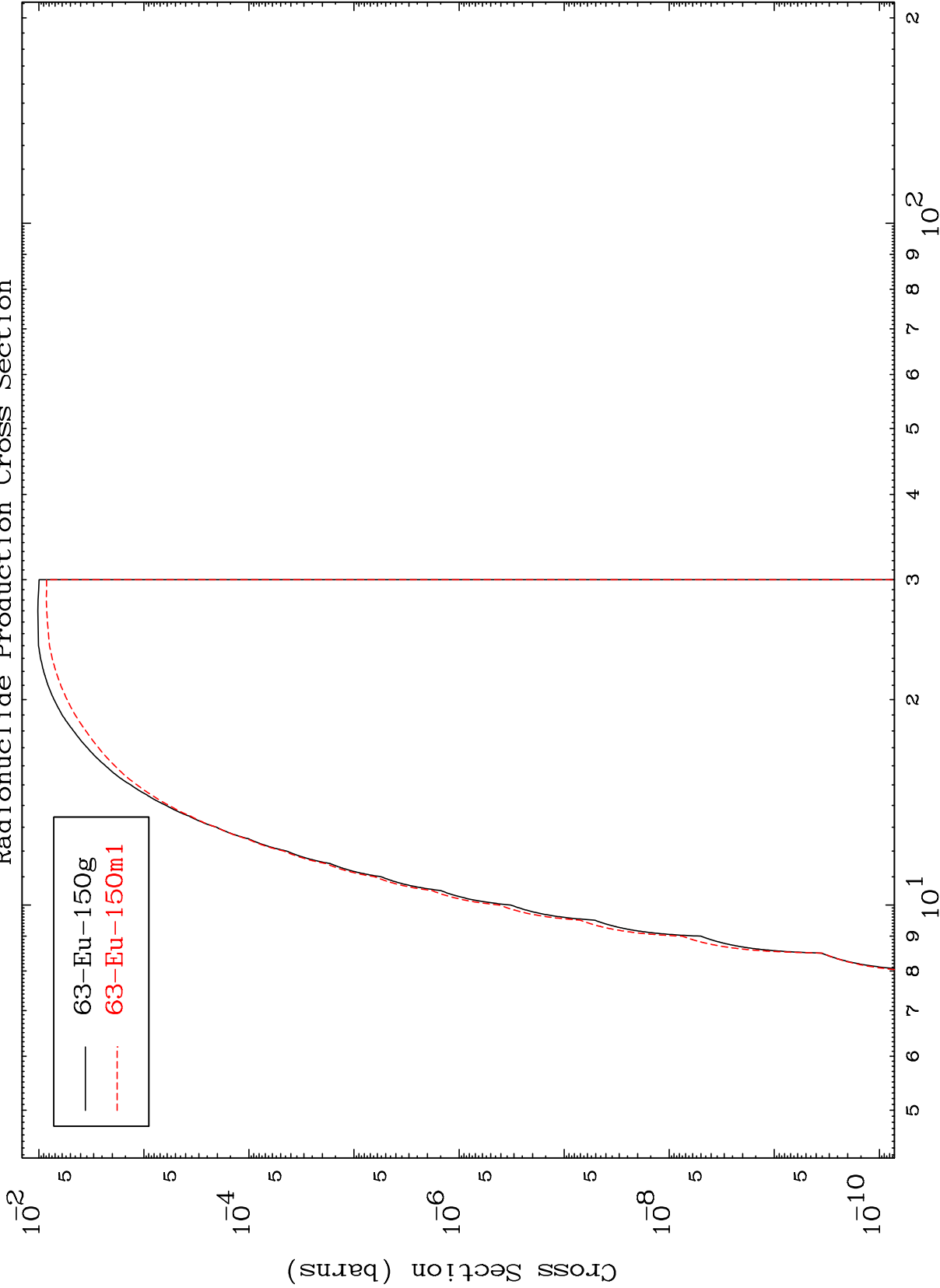
Incident Energy (MeV)

64-Gd-151

MAT 6422

64-Gd-151

(n,d)
Radionuclide Production Cross Section



139

Incident Energy (MeV)

64-Gd-151