

Program EVALPLOT
(Version 2017-1)

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

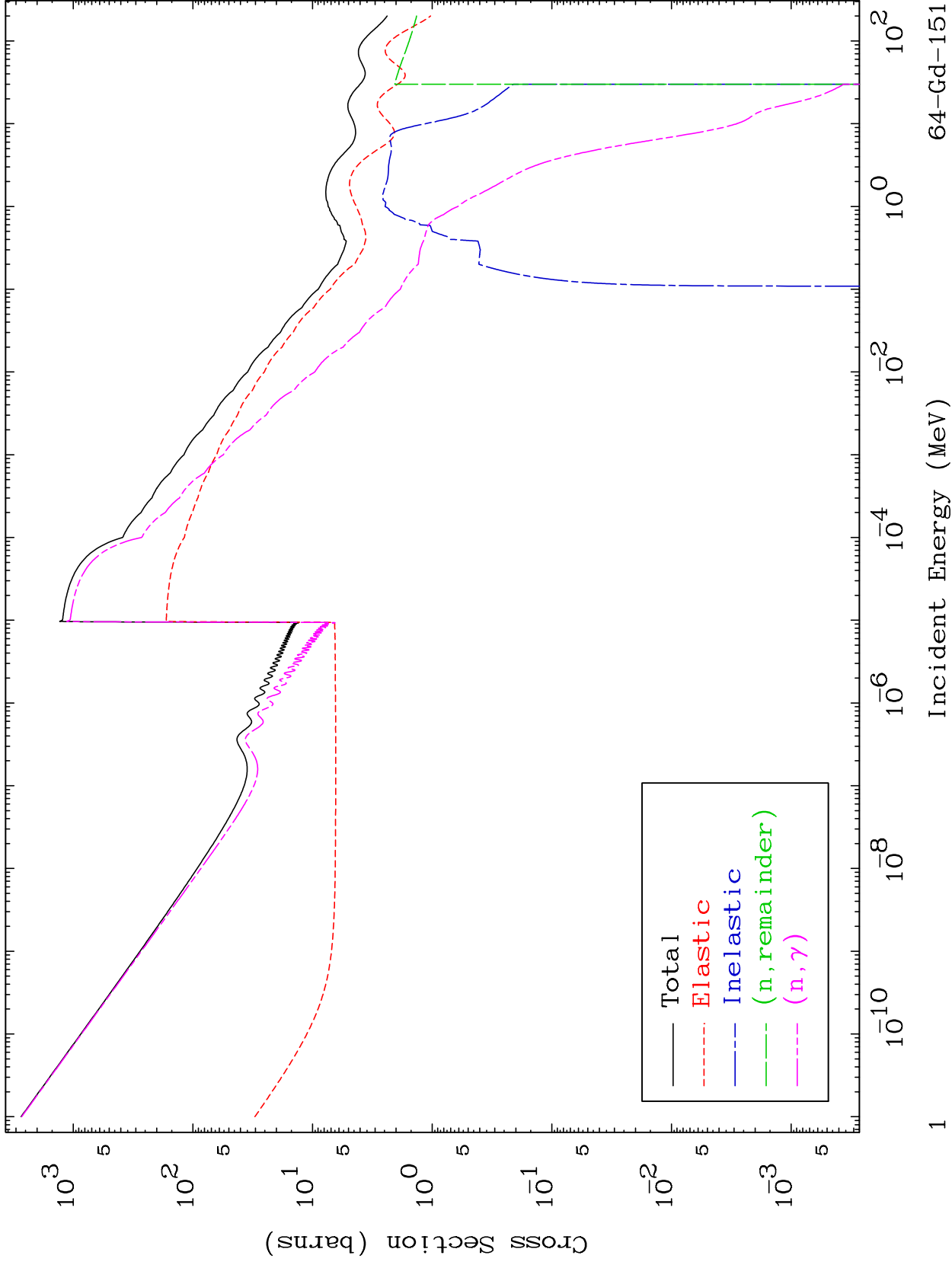
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6422

Major
293 Kelvin Cross Sections

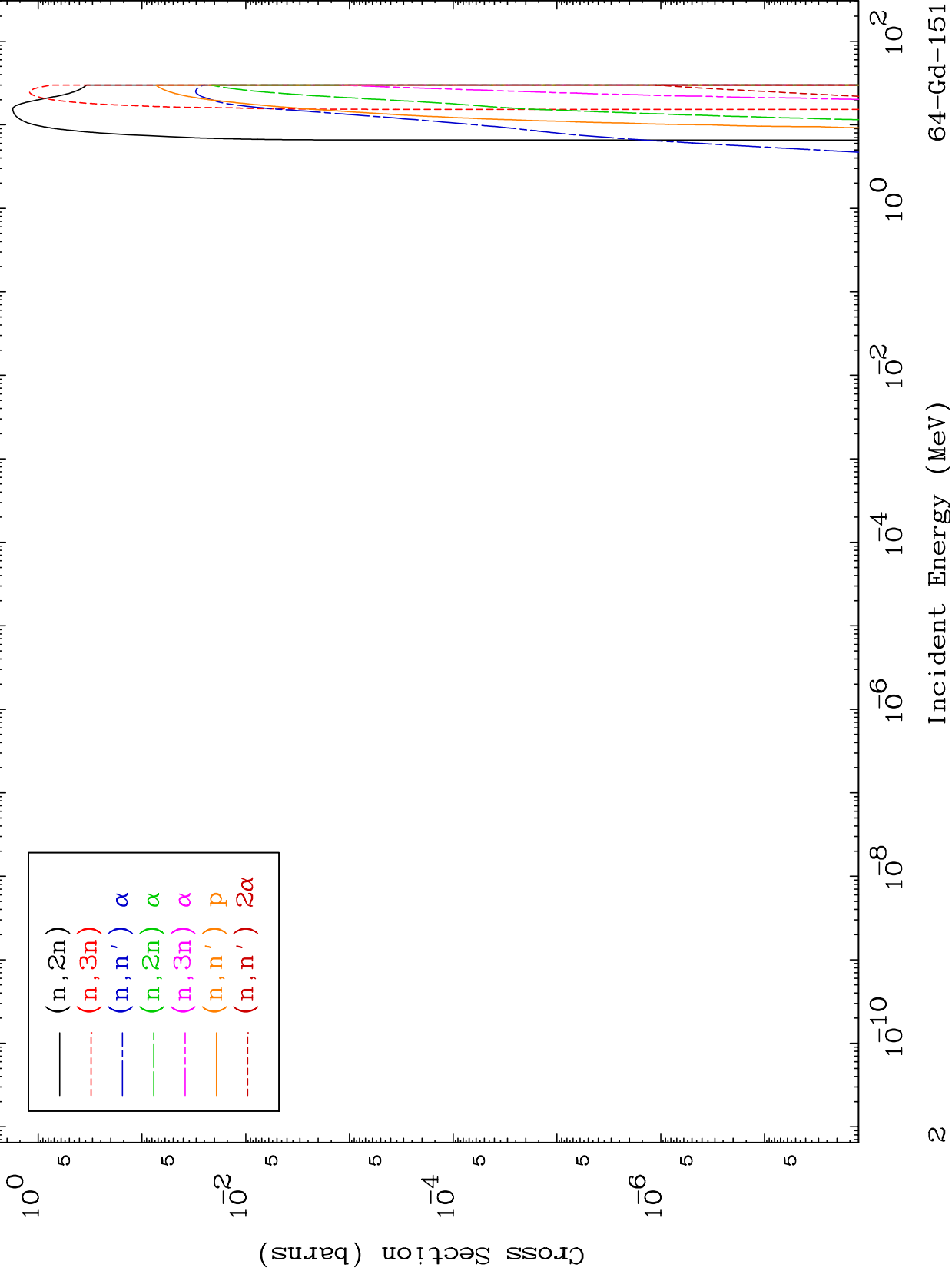
64-Gd-151



MAT 6422

Neutron Production
293 Kelvin Cross Sections

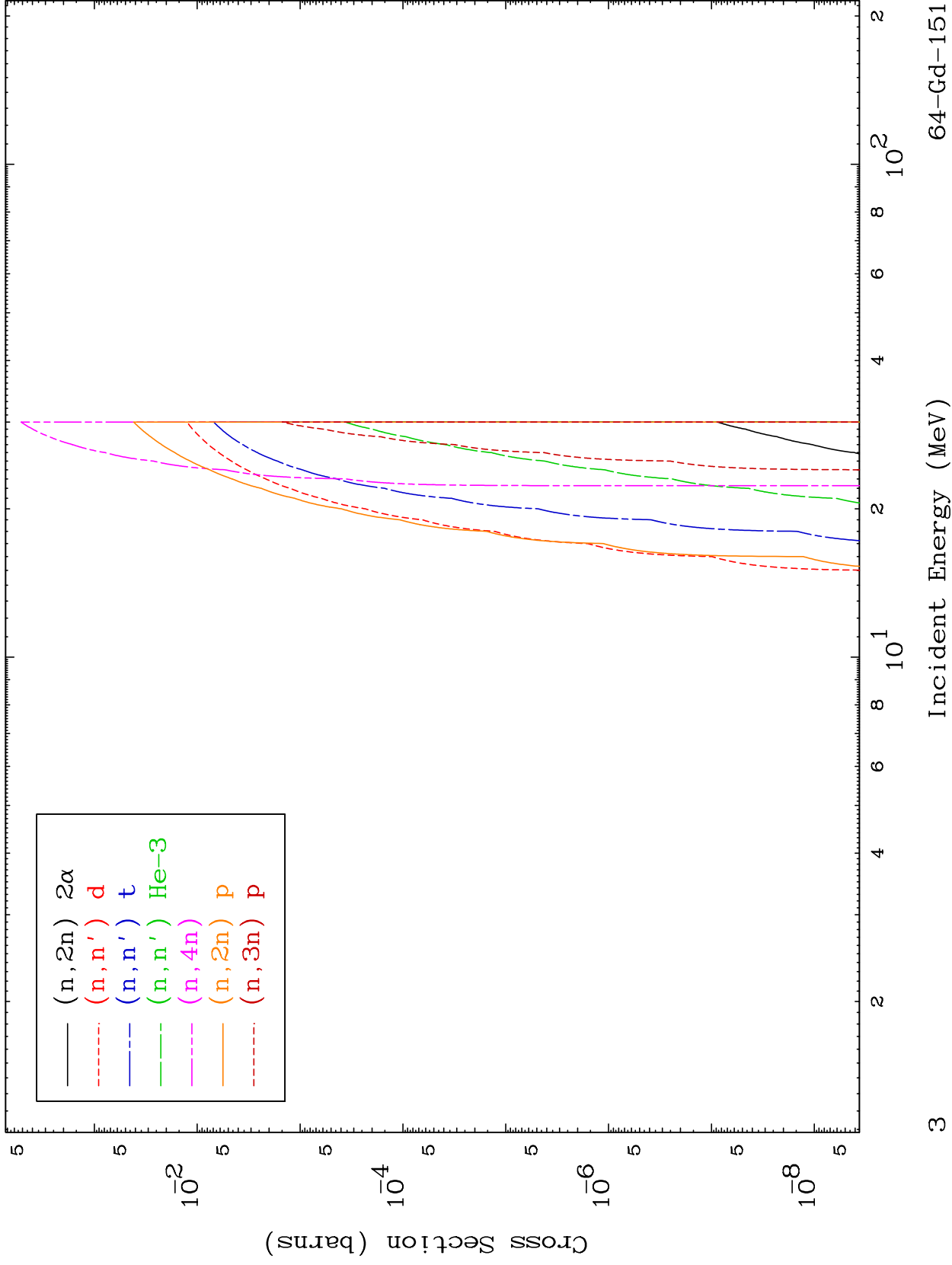
64-Gd-151



MAT 6422

Neutron Production
293 Kelvin Cross Sections

64-Gd-151



3

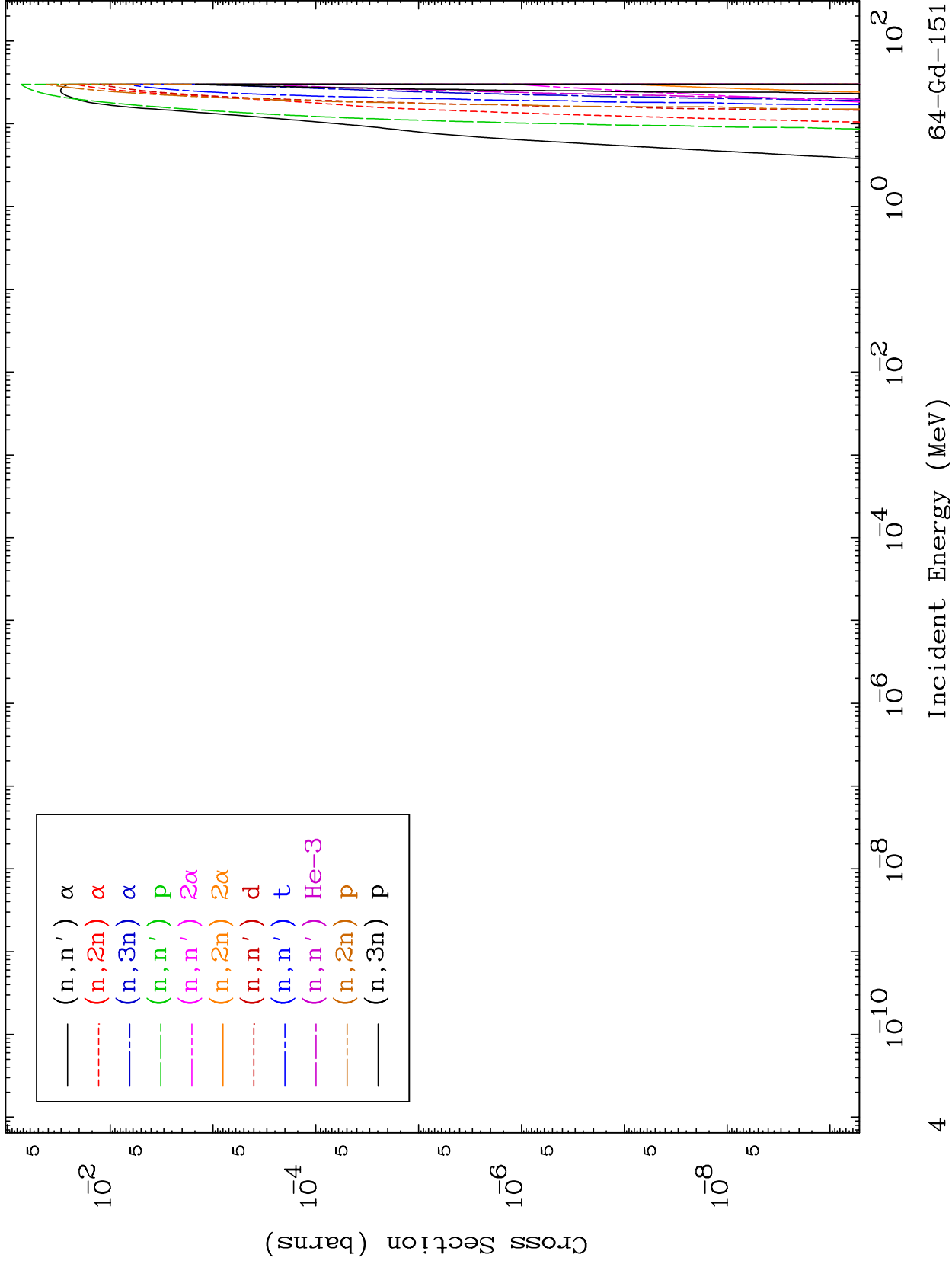
Incident Energy (MeV)

64-Gd-151

MAT 6422

Charged Particle
293 Kelvin Cross Sections

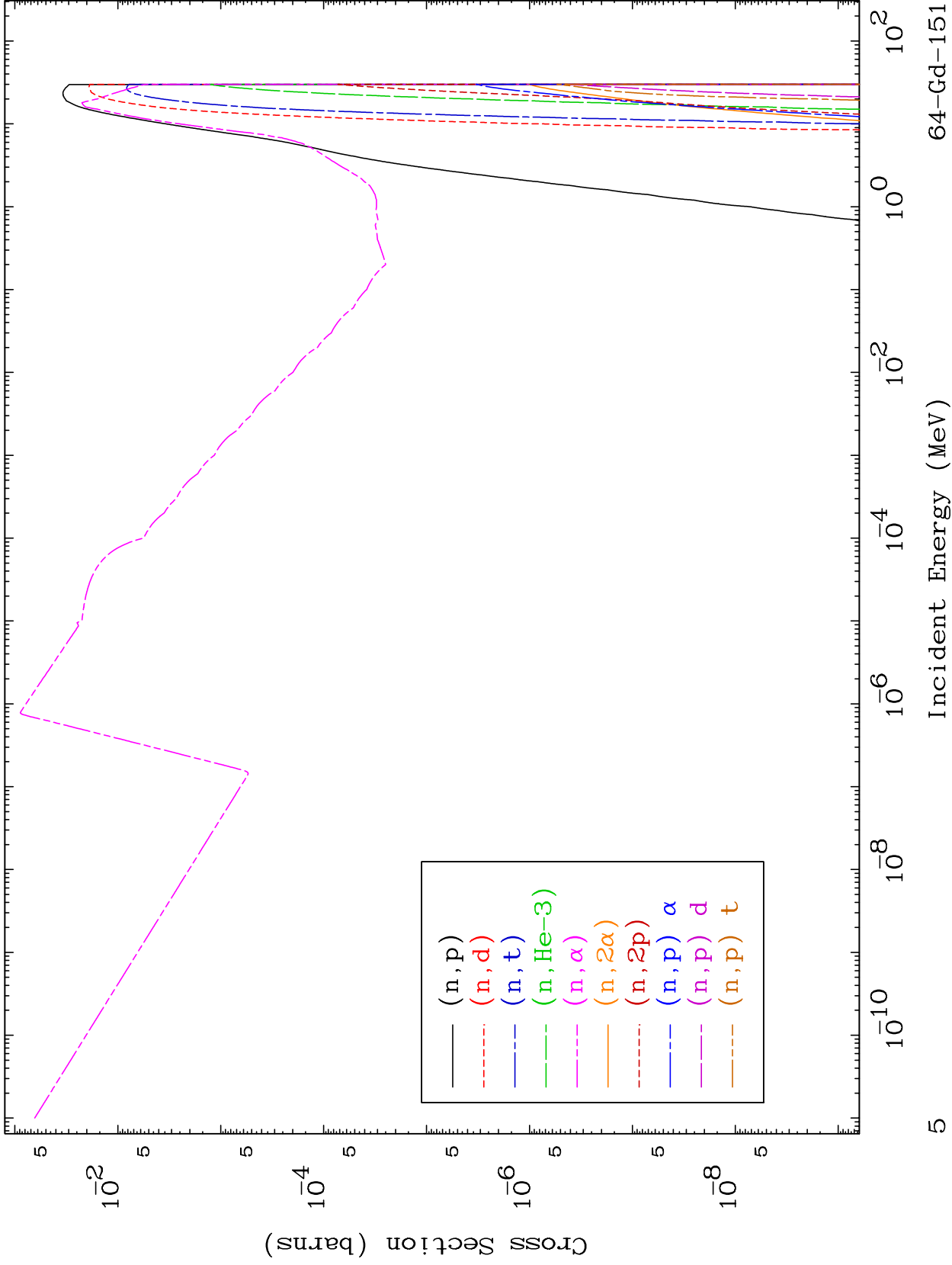
64-Gd-151

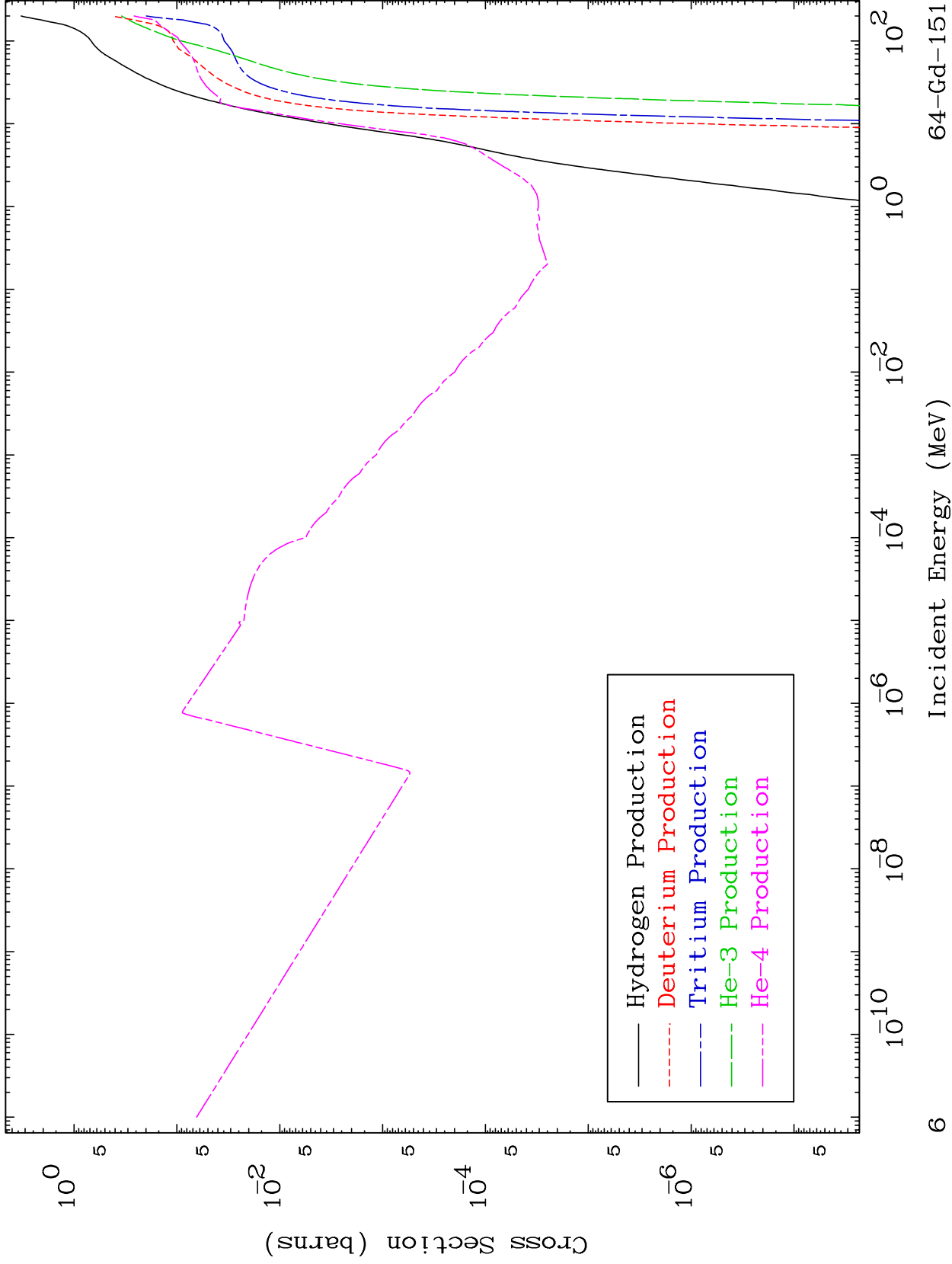


MAT 6422

Charged Particle
293 Kelvin Cross Sections

64-Gd-151



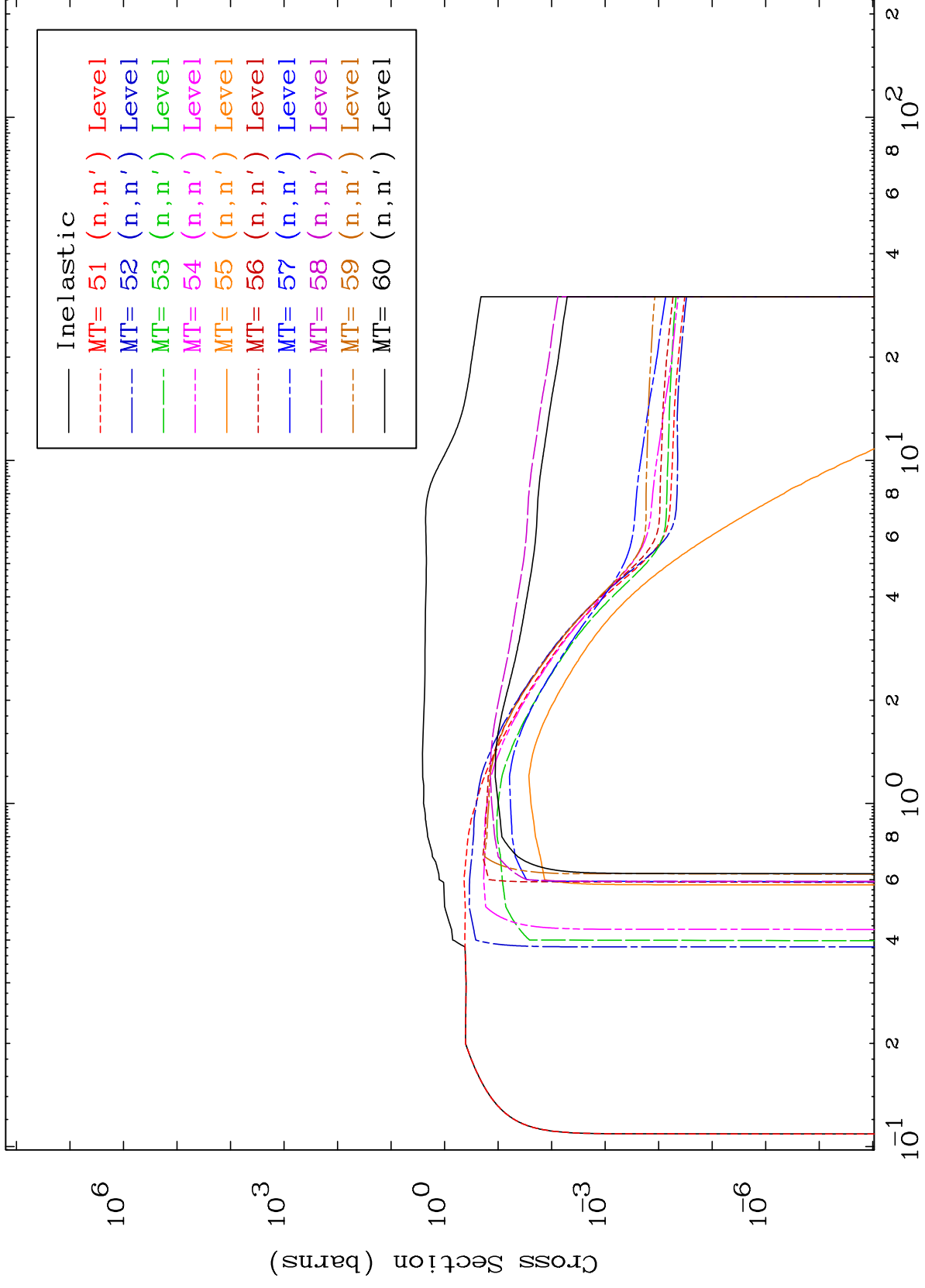


MAT 6422

(n,n') Level

64-Gd-151

293 Kelvin Cross Sections



Incident Energy (MeV)

64-Gd-151

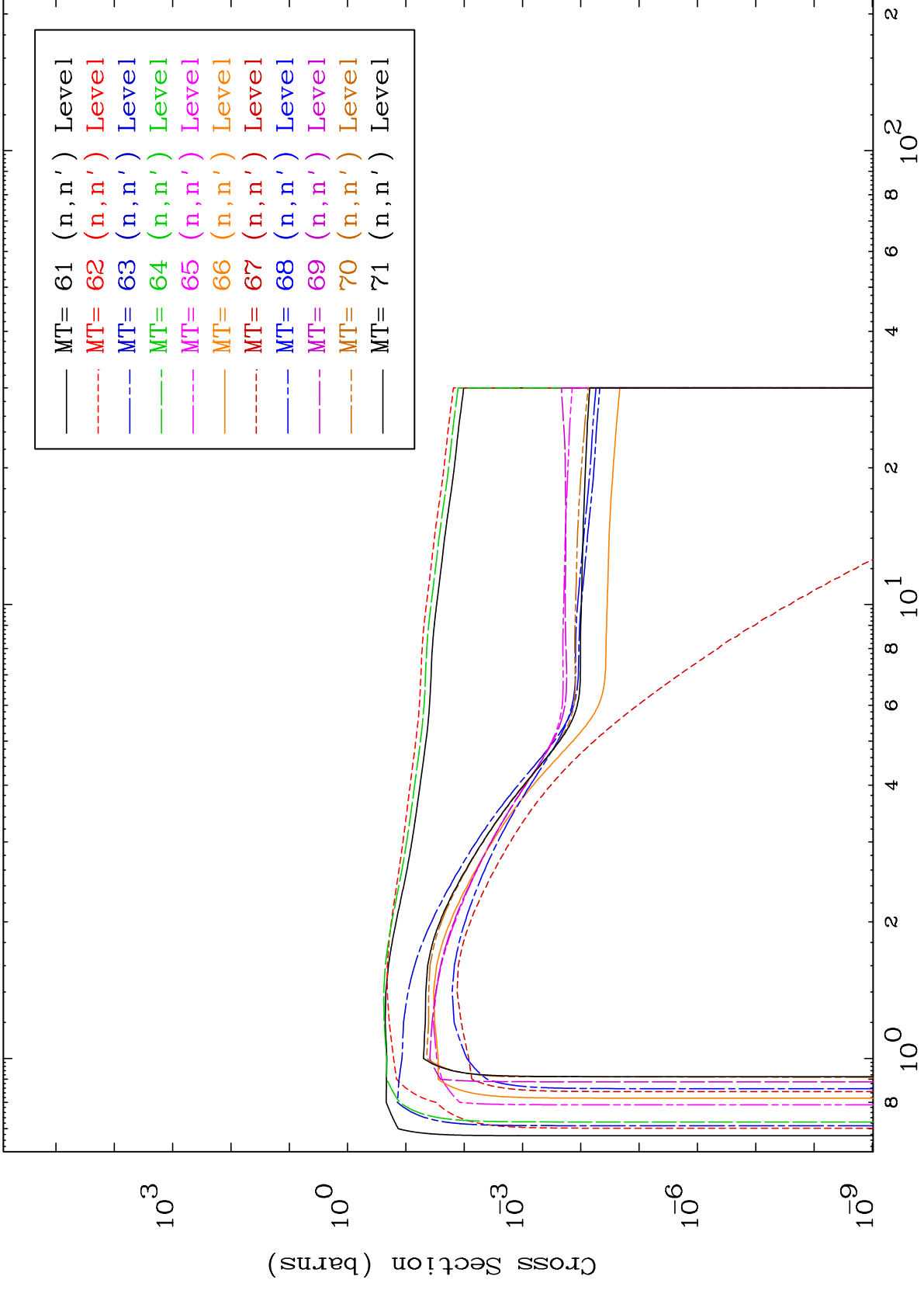
7

MAT 6422

(n,n') Level

64-Gd-151

293 Kelvin Cross Sections

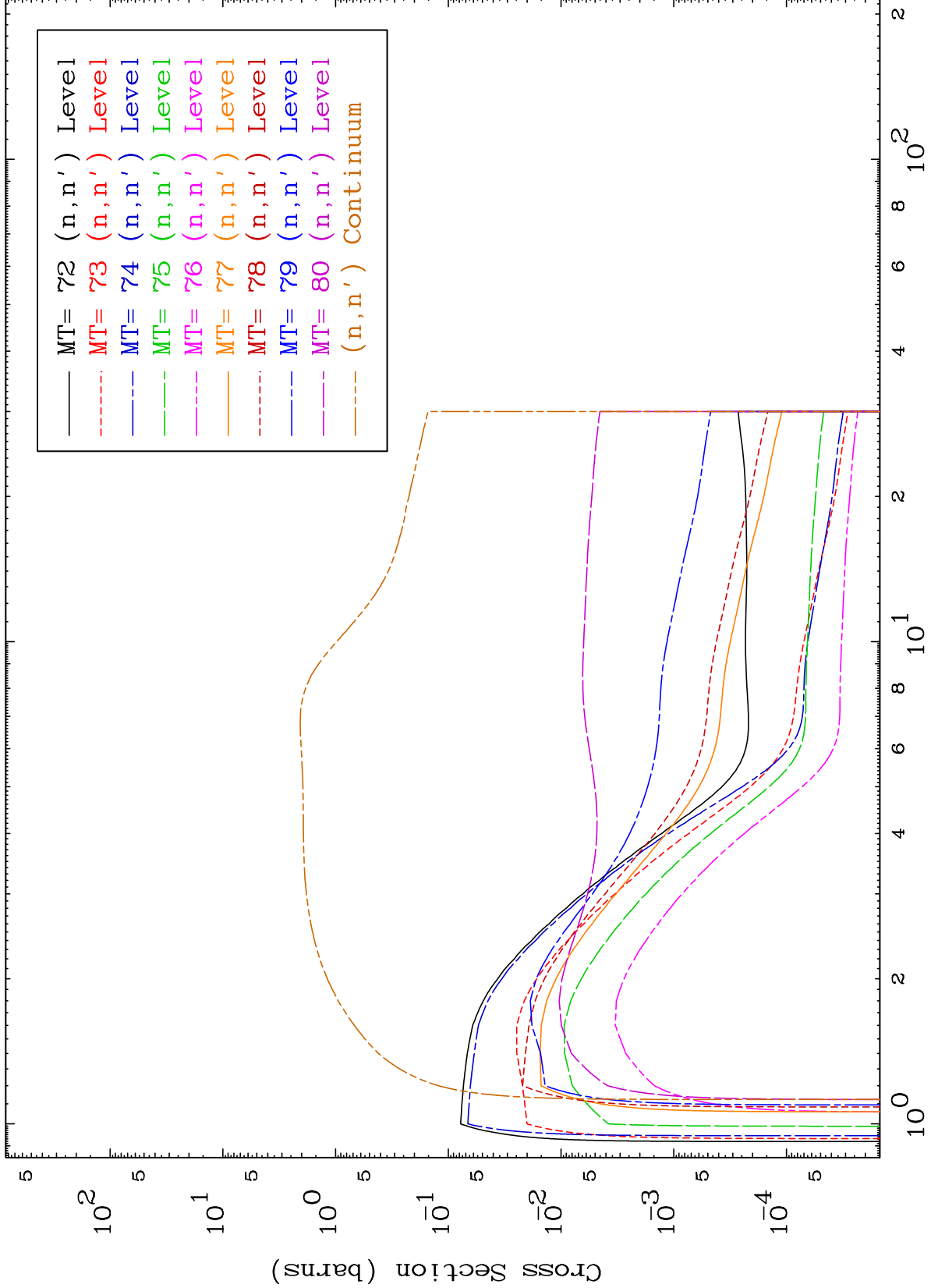


8

Incident Energy (MeV)

64-Gd-151

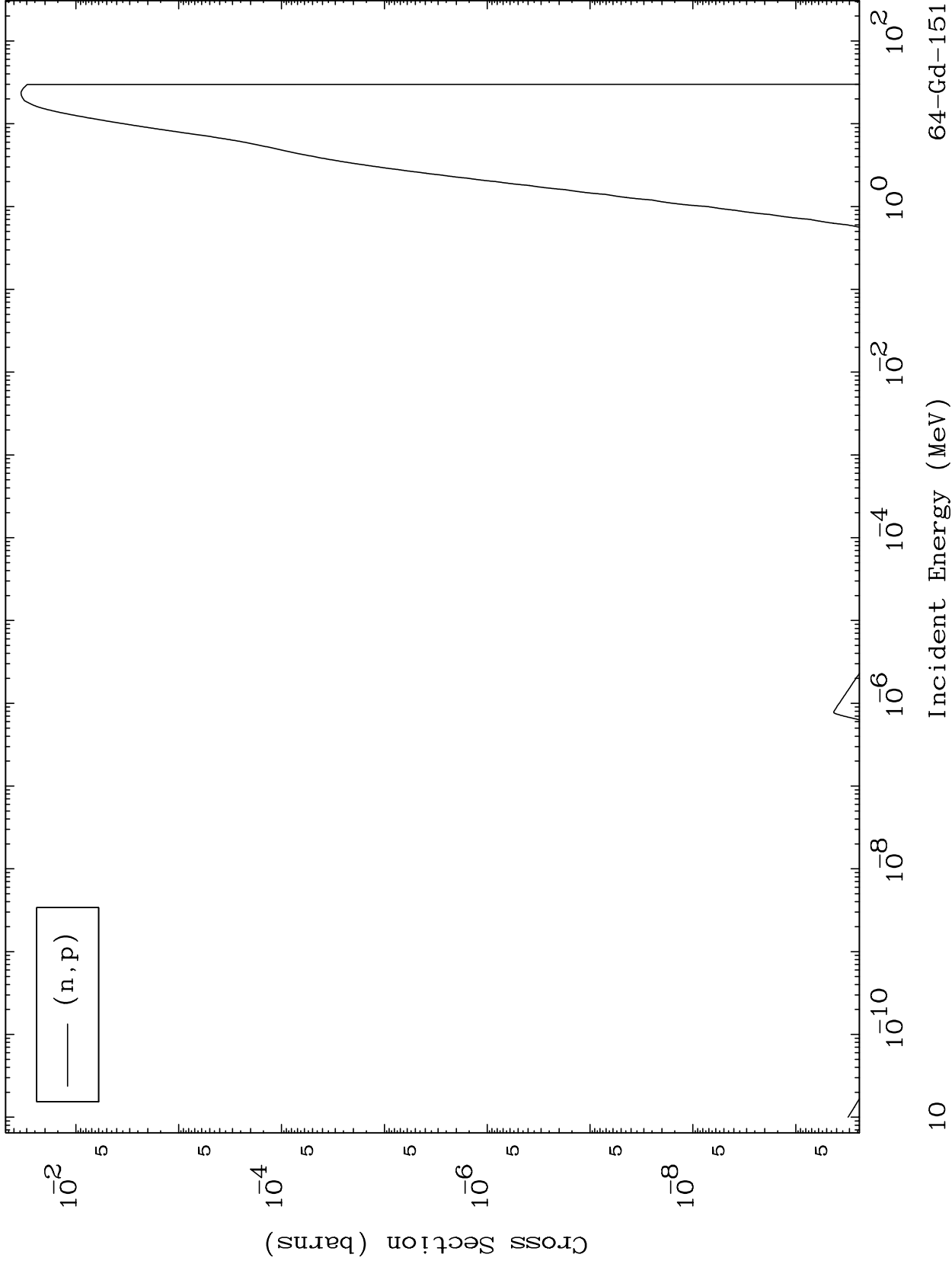
293 Kelvin Cross Sections



MAT 6422

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-151



10

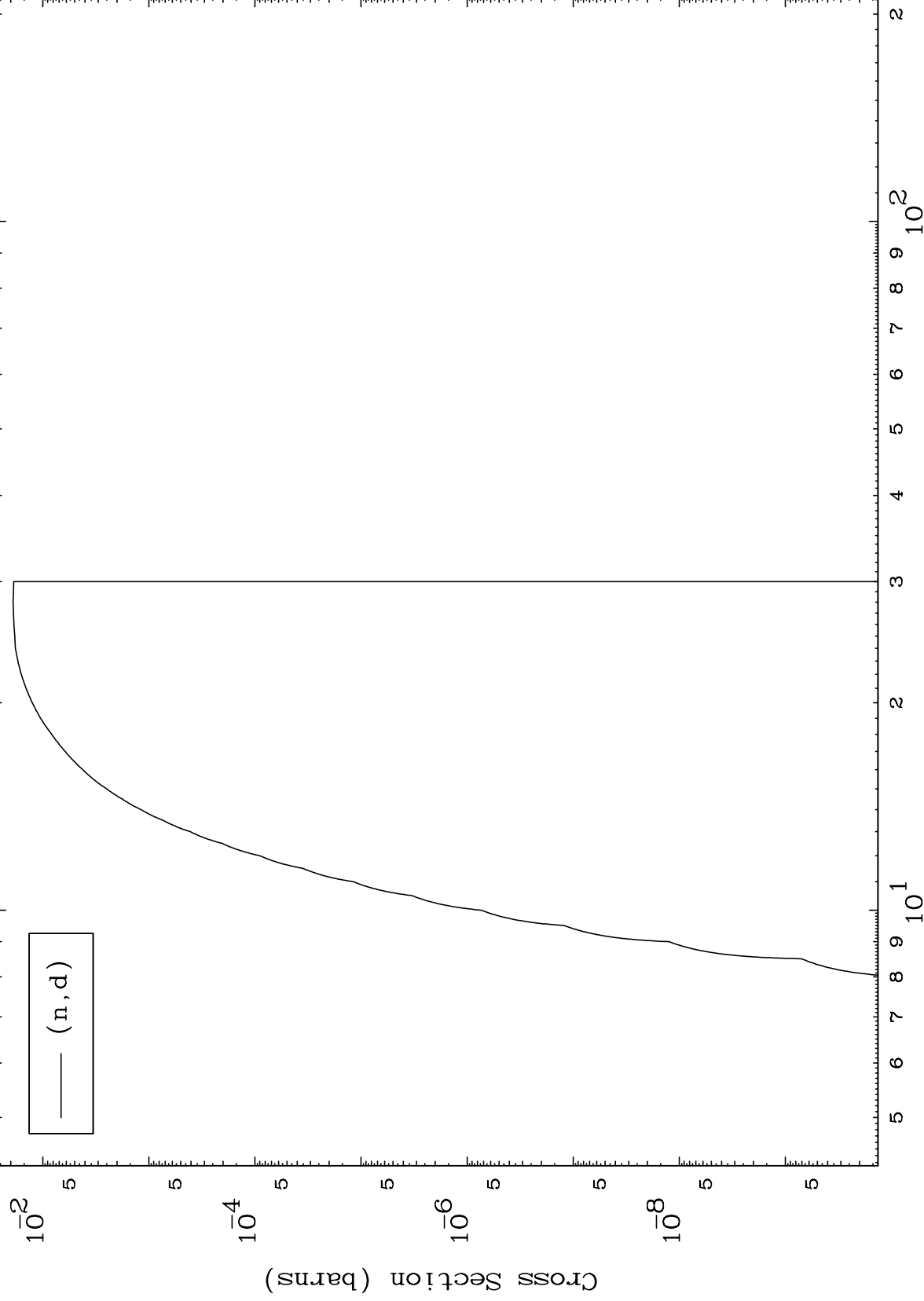
Incident Energy (MeV)

64-Gd-151

MAT 6422

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-151



11

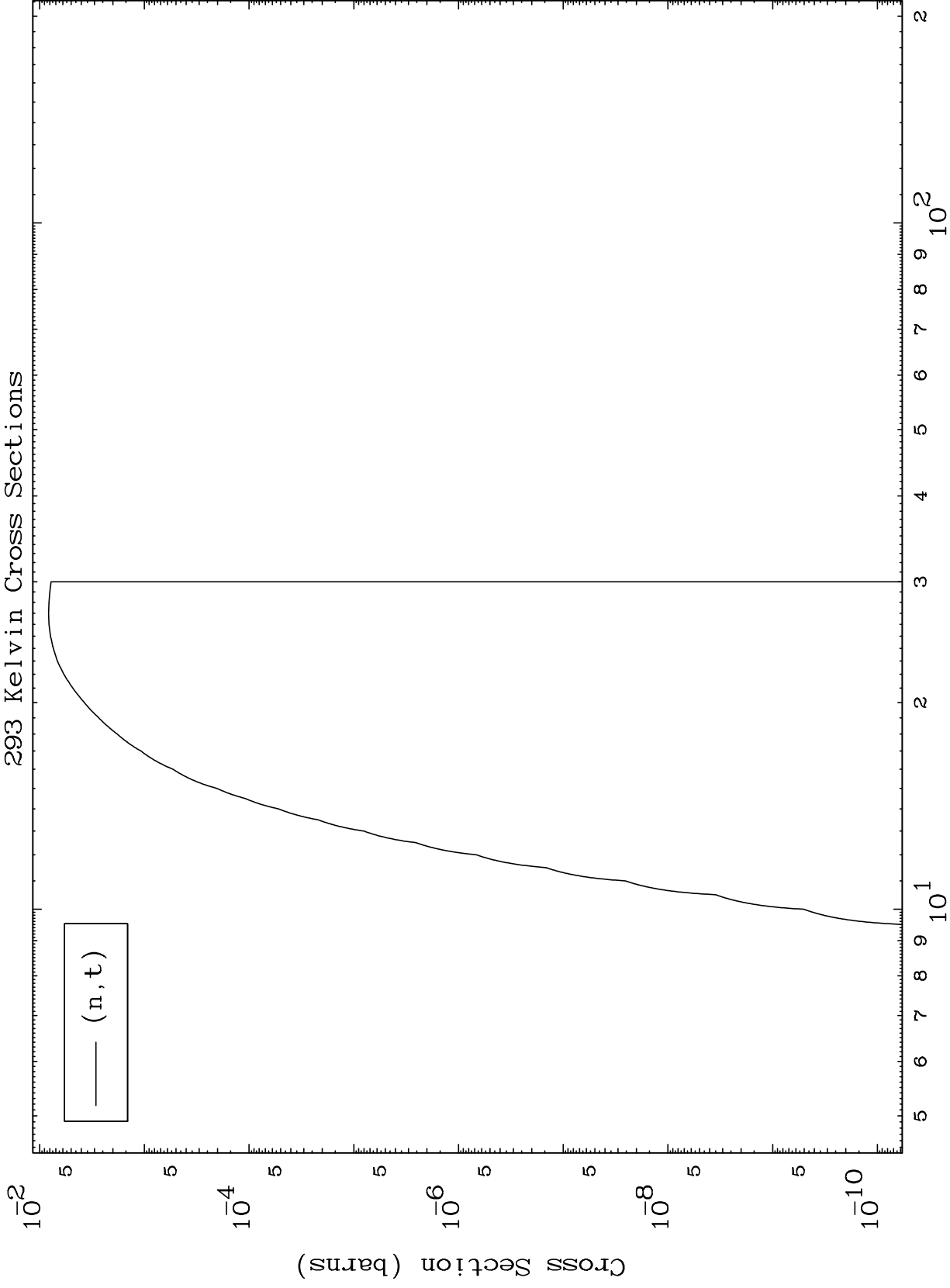
Incident Energy (MeV)

64-Gd-151

MAT 6422

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-151



12

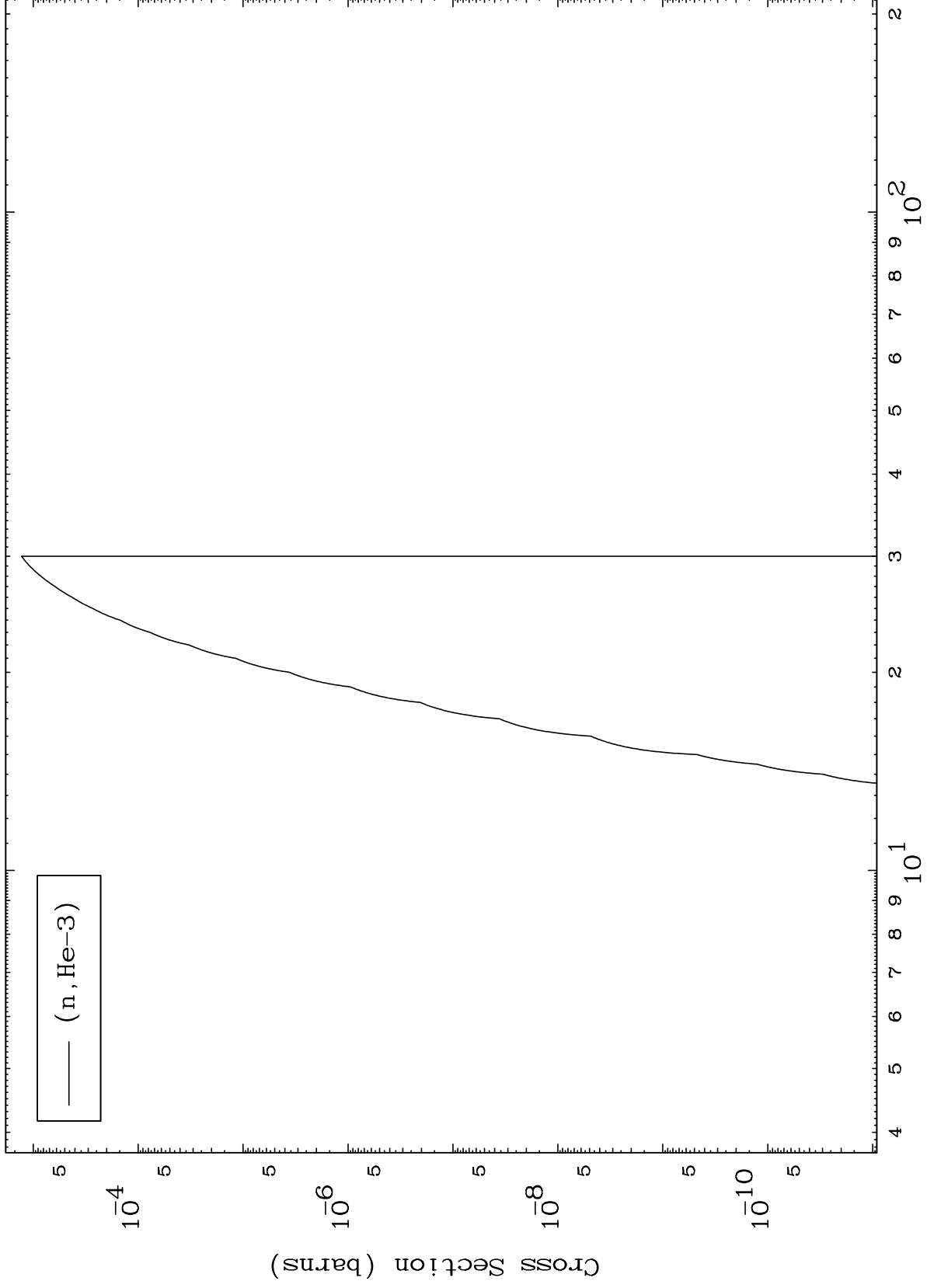
Incident Energy (MeV)

64-Gd-151

MAT 6422

(n,He3) Levels
293 Kelvin Cross Sections

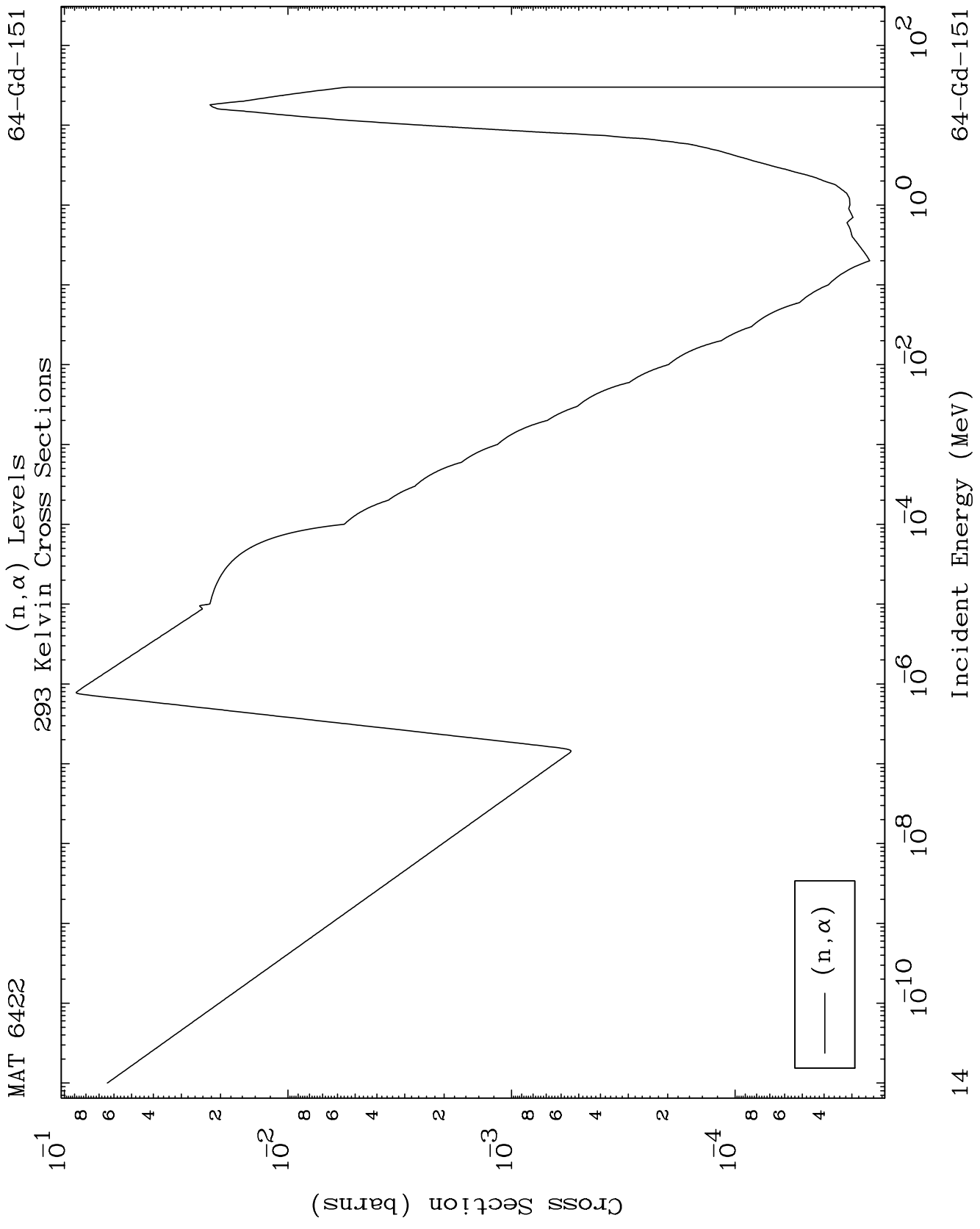
64-Gd-151

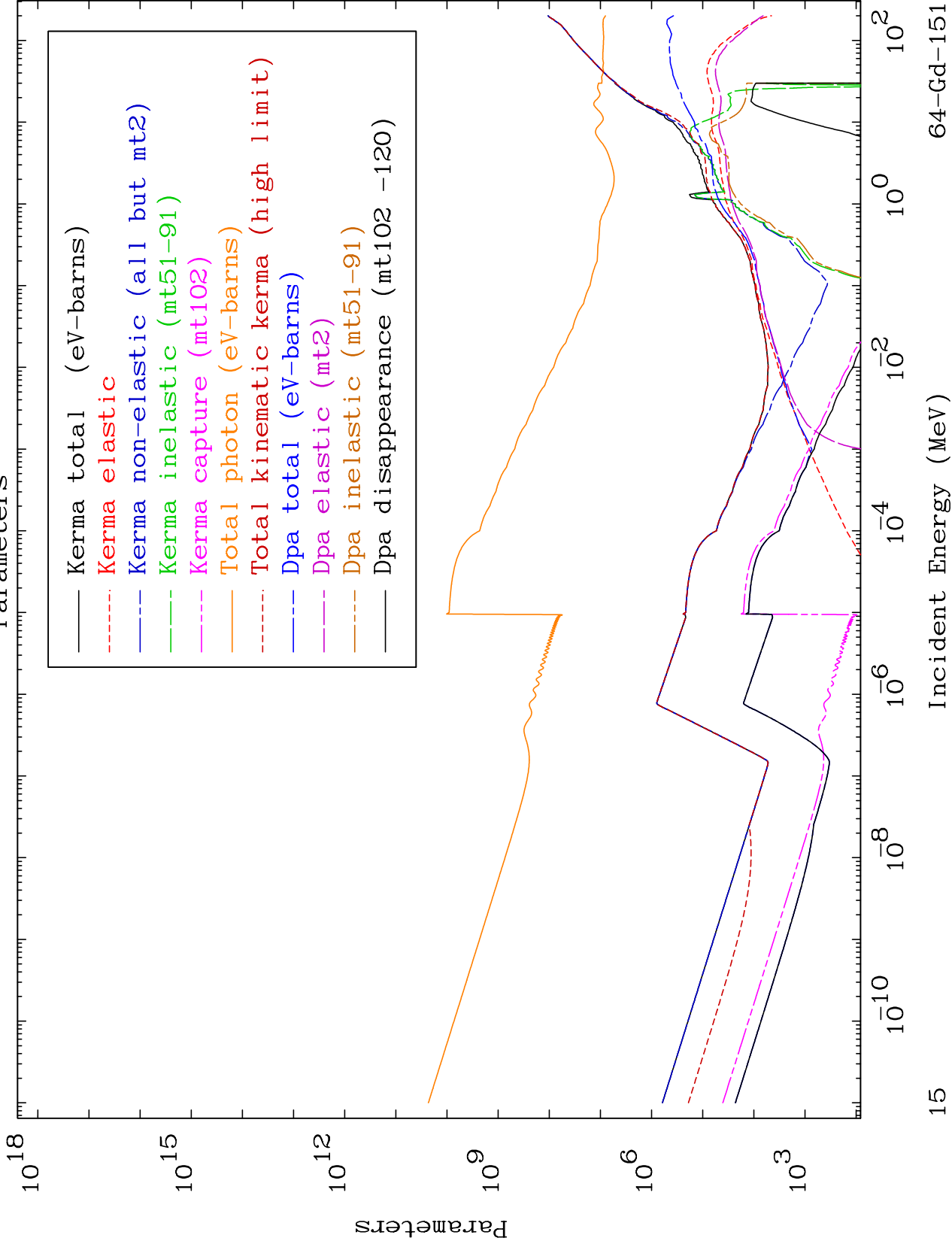


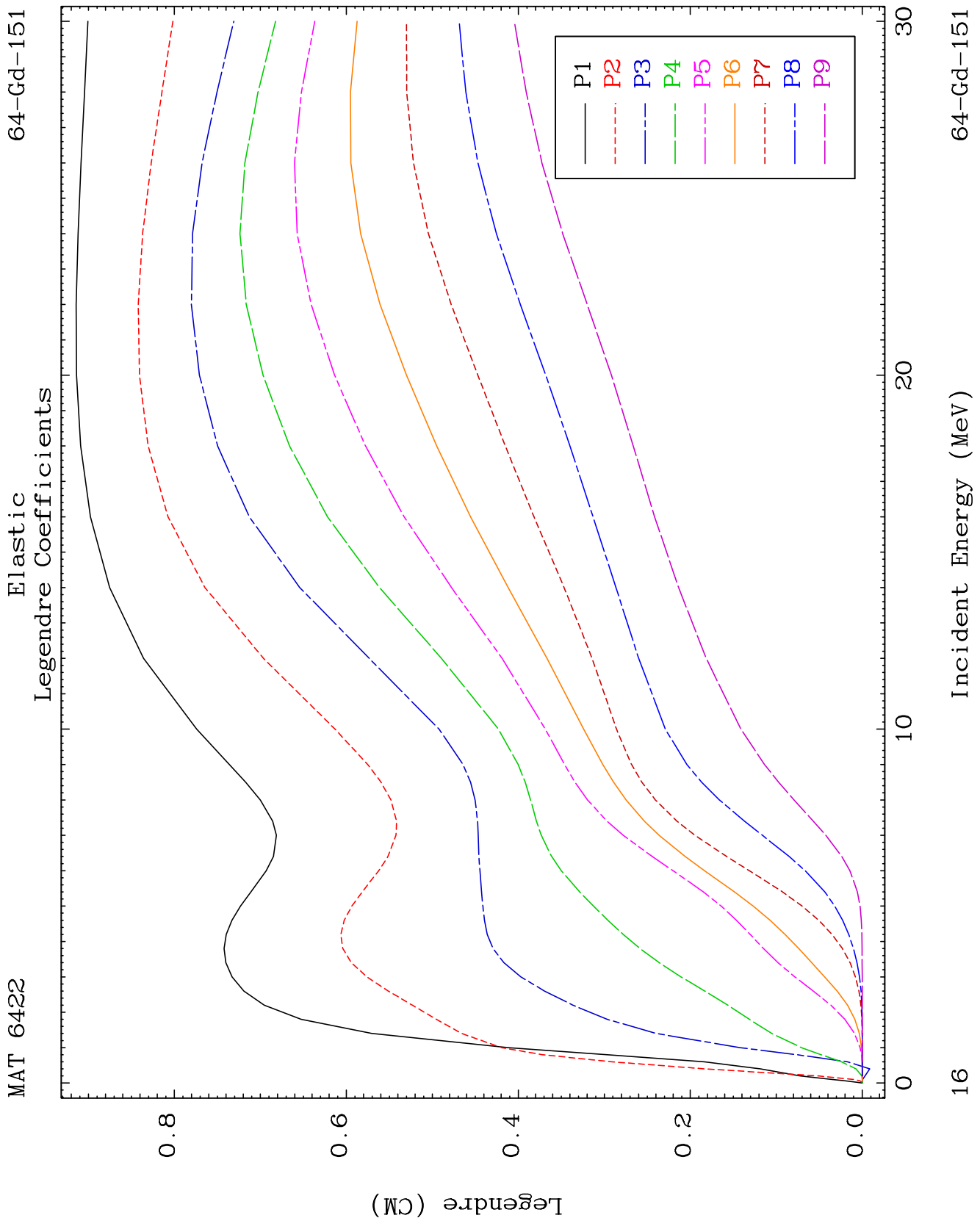
13

Incident Energy (MeV)

64-Gd-151



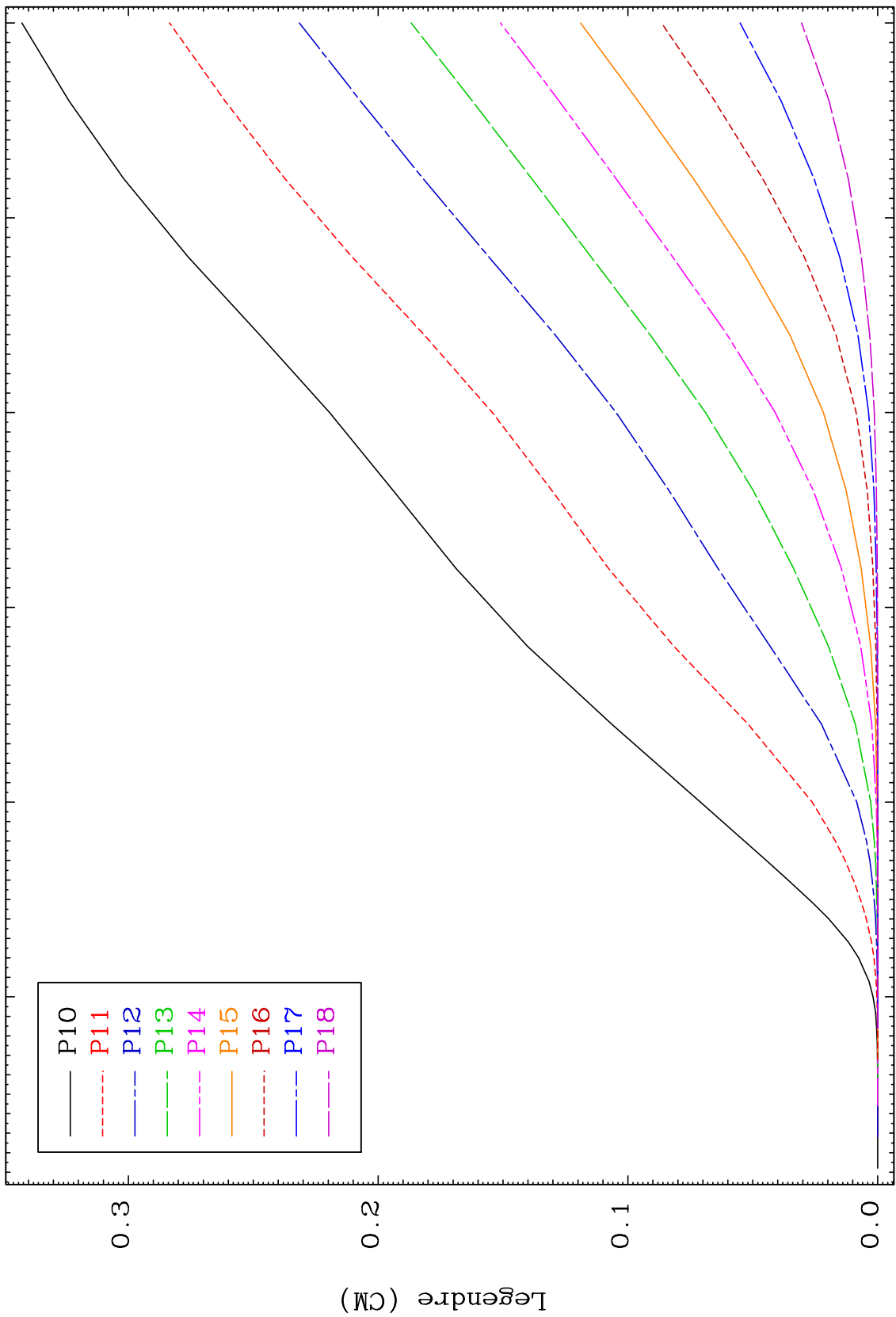




MAT 6422

Elastic Legendre Coefficients

64-Gd-151



17

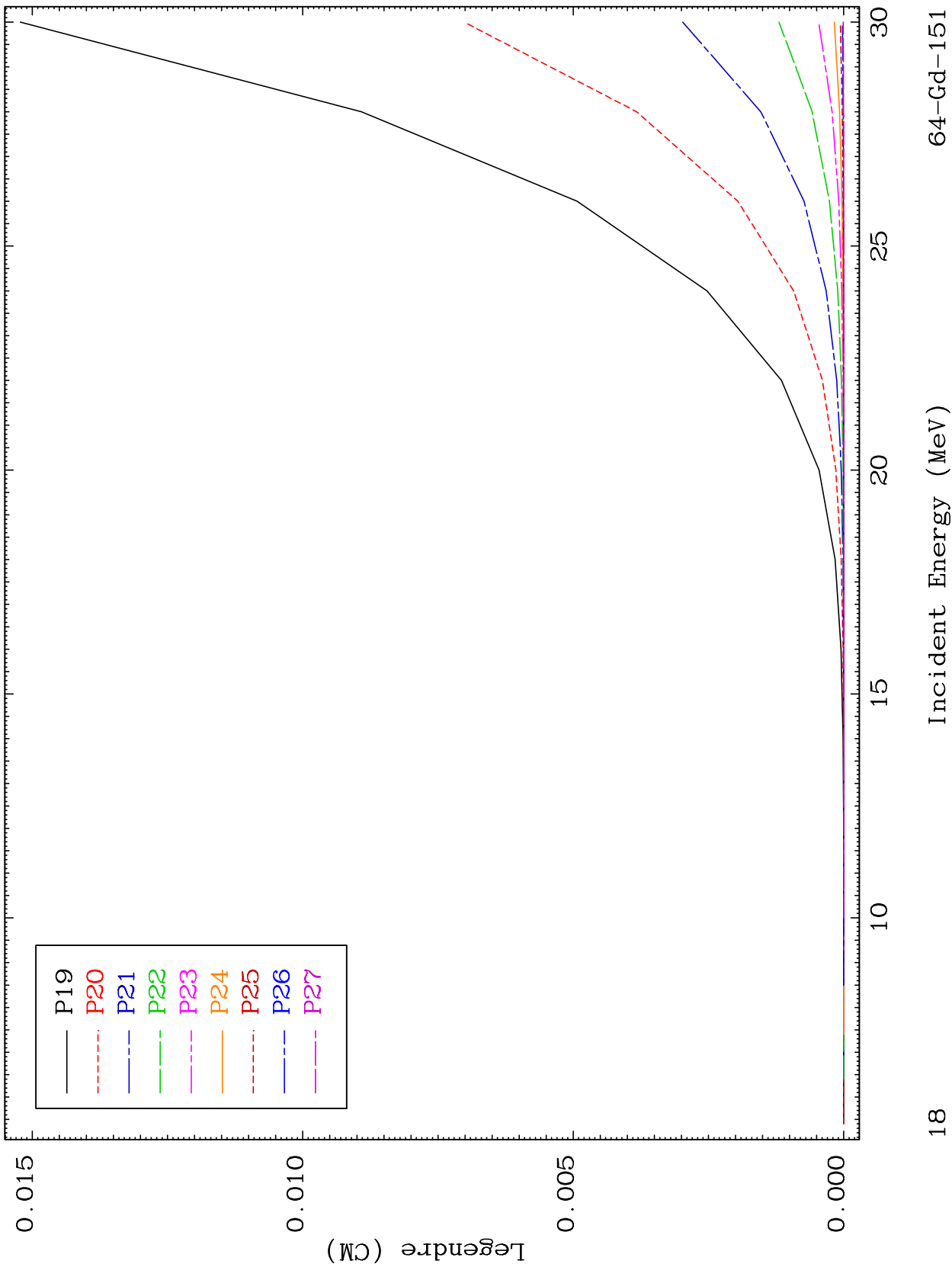
64-Gd-151

Incident Energy (MeV)

MAT 6422

Elastic
Legendre Coefficients

64-Gd-151



18

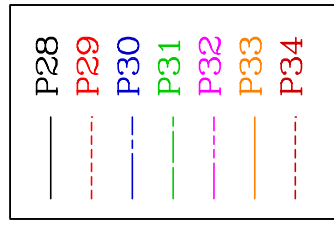
Incident Energy (MeV)

64-Gd-151

MAT 6422

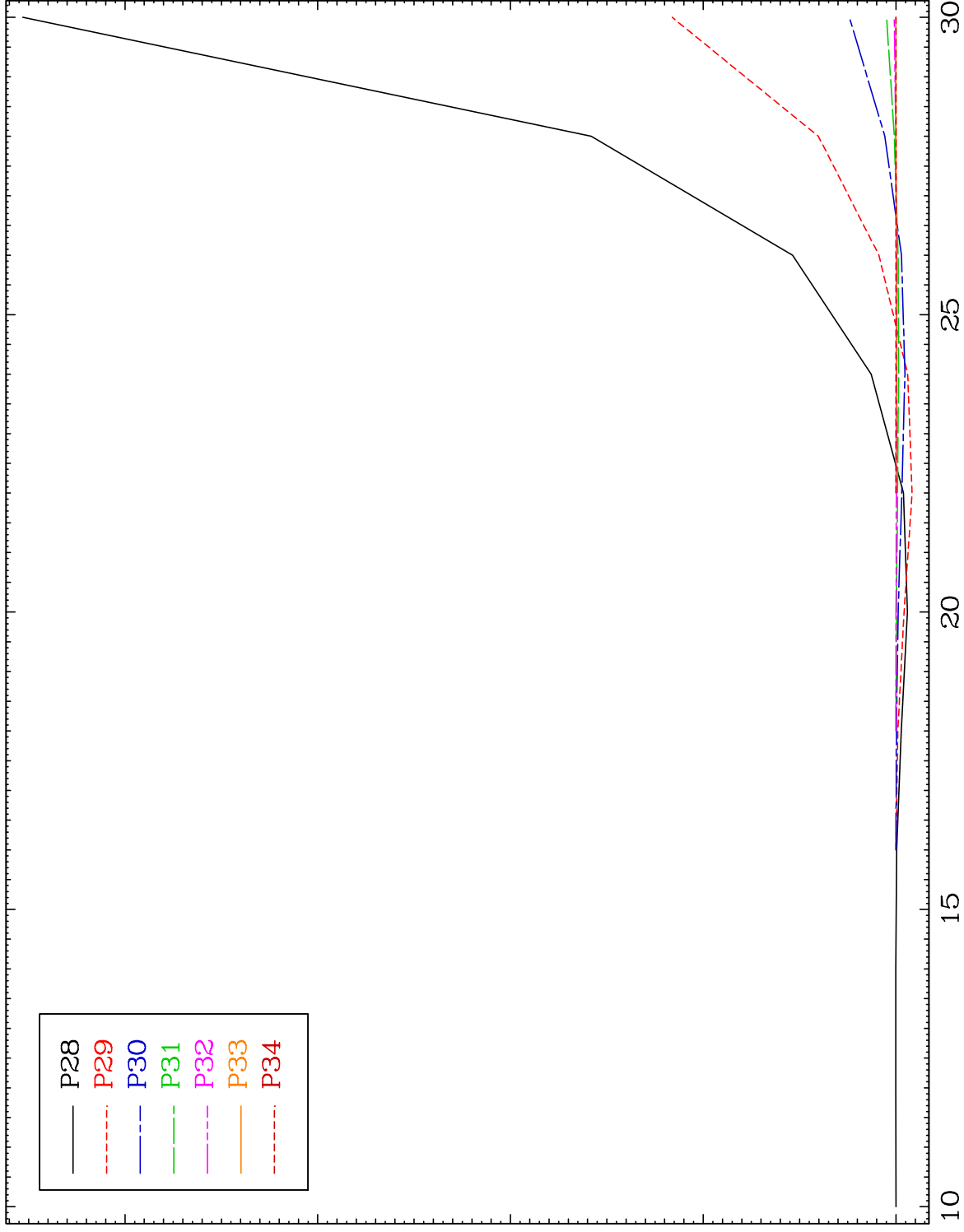
Elastic Legendre Coefficients

64-Gd-151



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

Legendre (CM)



30

25

20

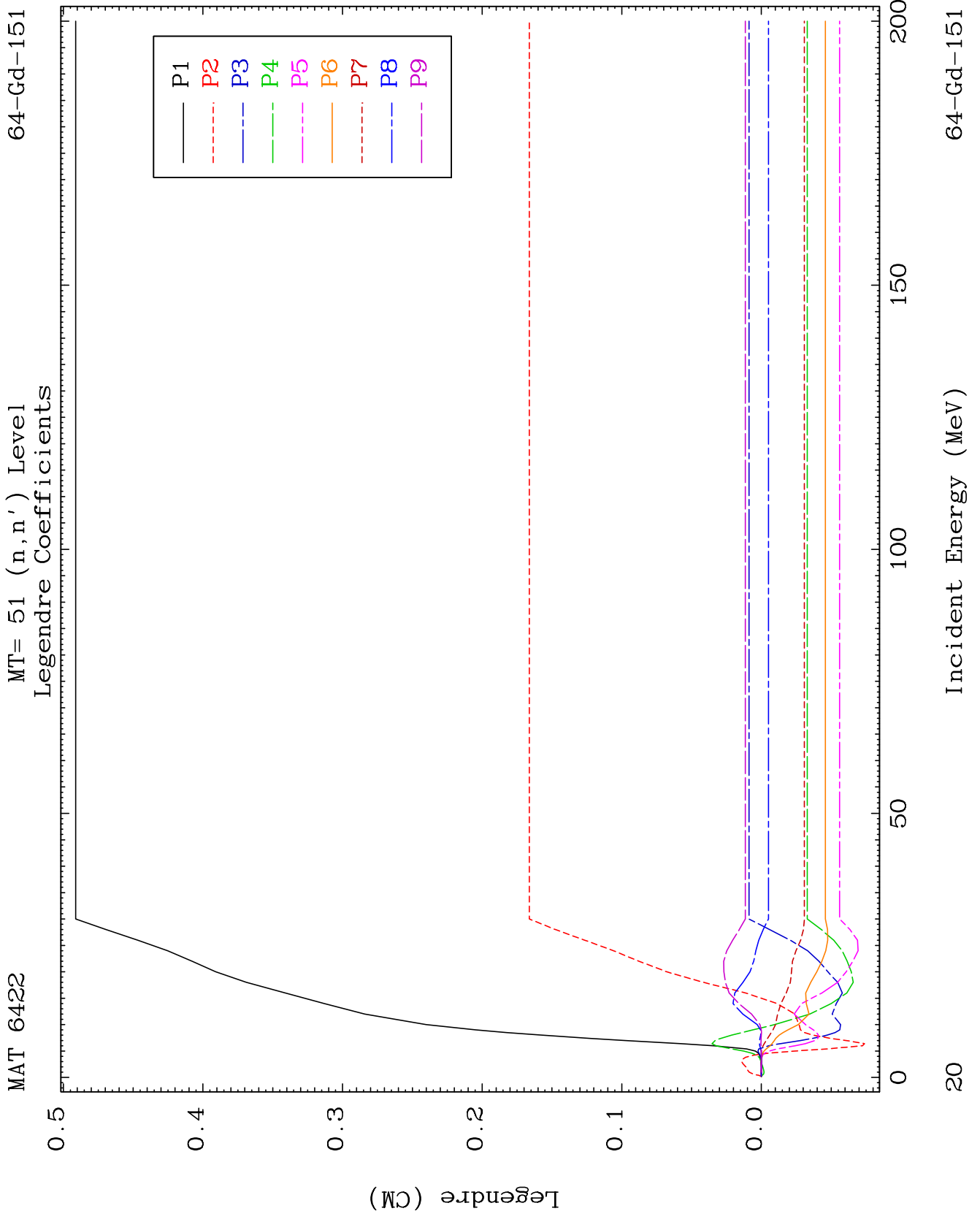
15

10

Incident Energy (MeV)

64-Gd-151

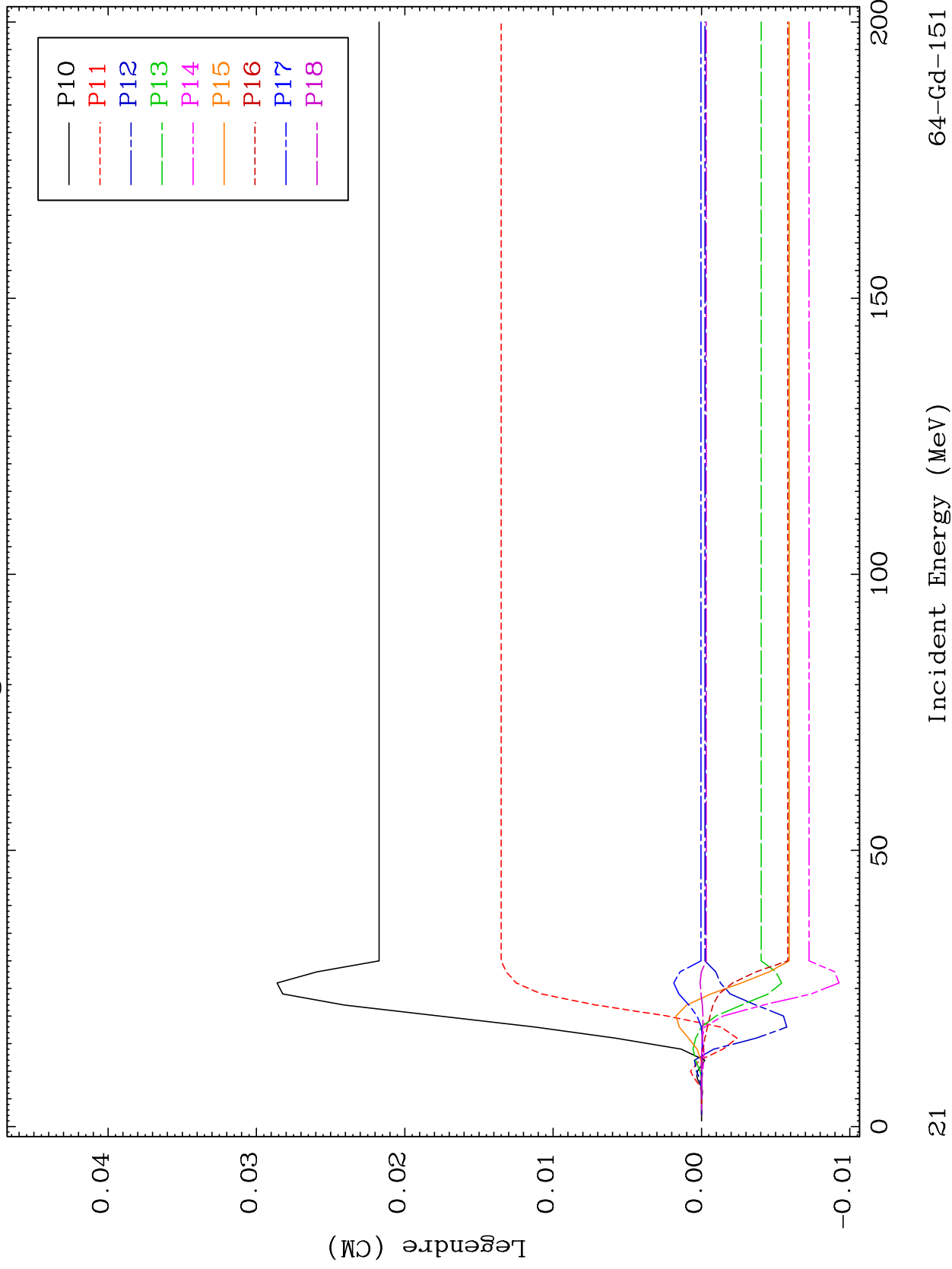
19



MAT 6422

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

64-Gd-151



64-Gd-151

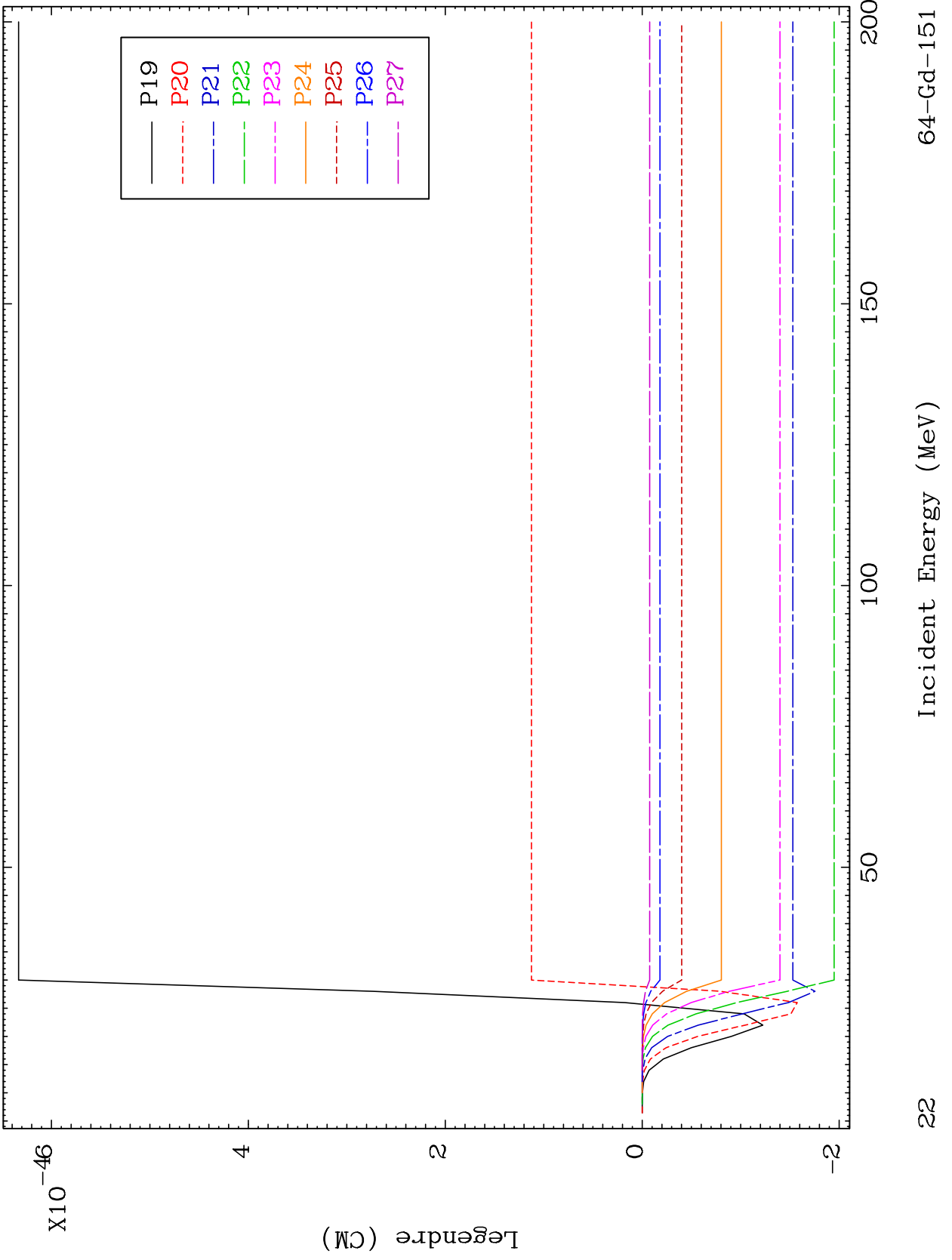
Incident Energy (MeV)

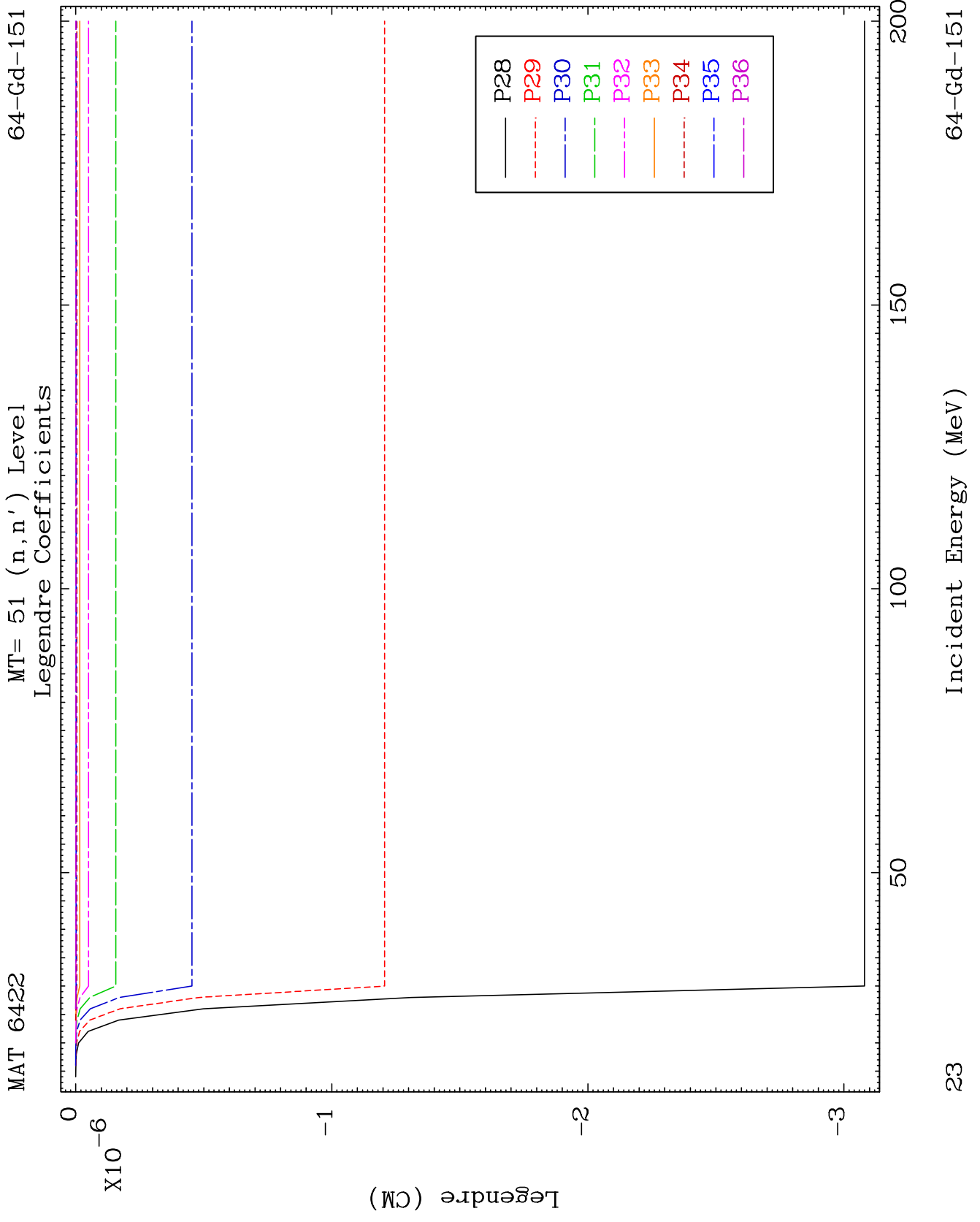
21

MAT 6422

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

64-Gd-151

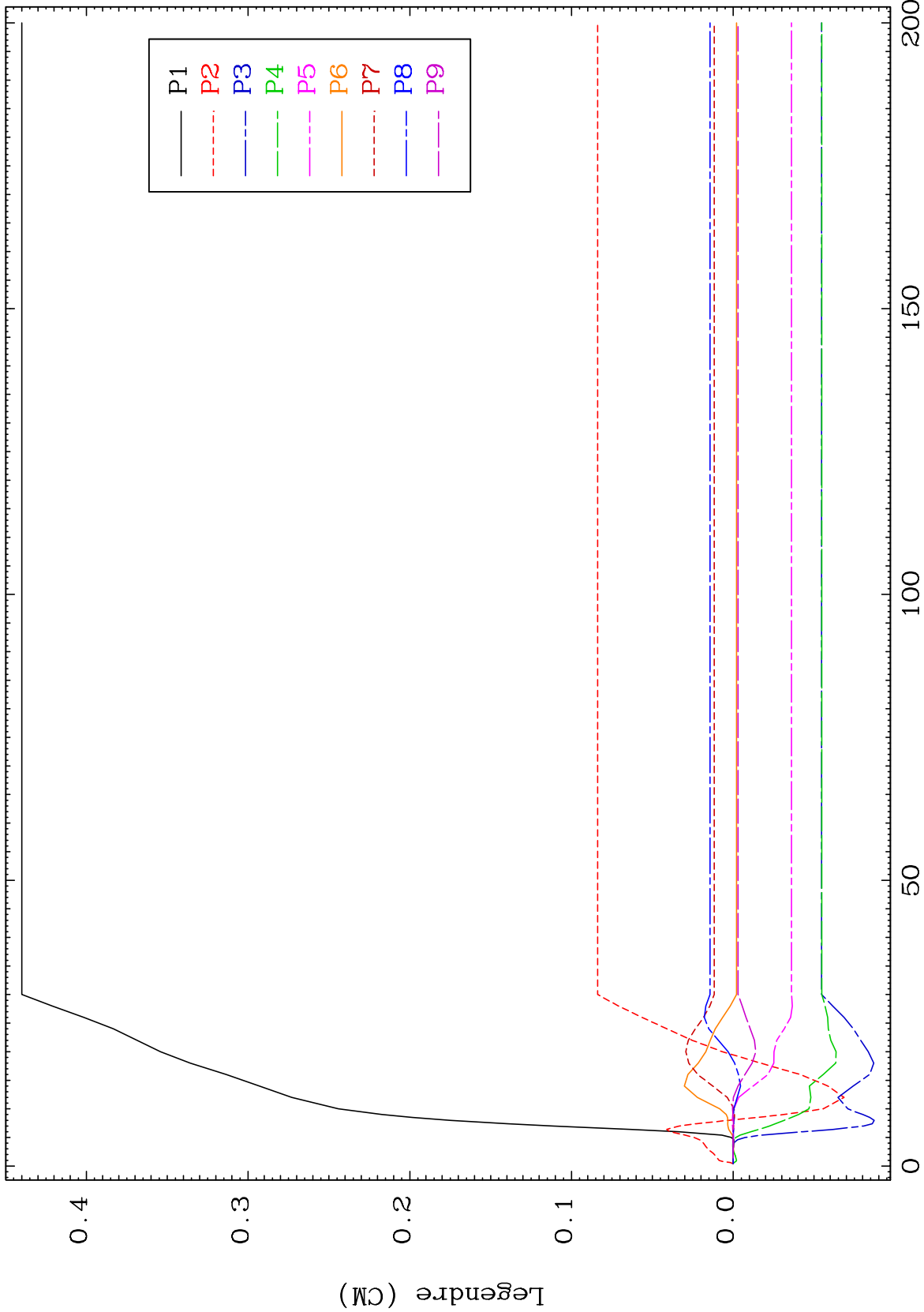




MAT 6422

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

64-Gd-151



64-Gd-151

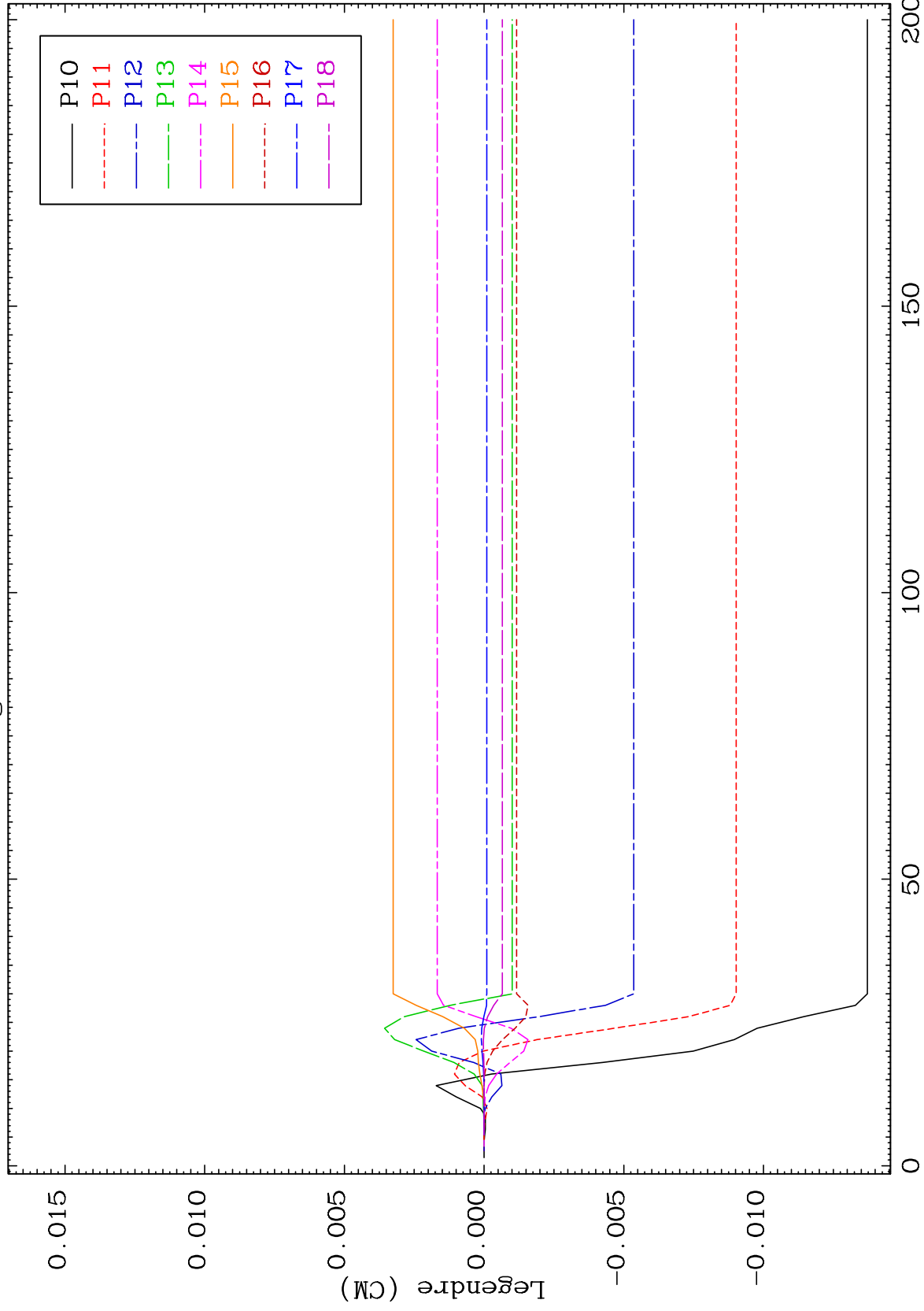
Incident Energy (MeV)

24

MAT 6422

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

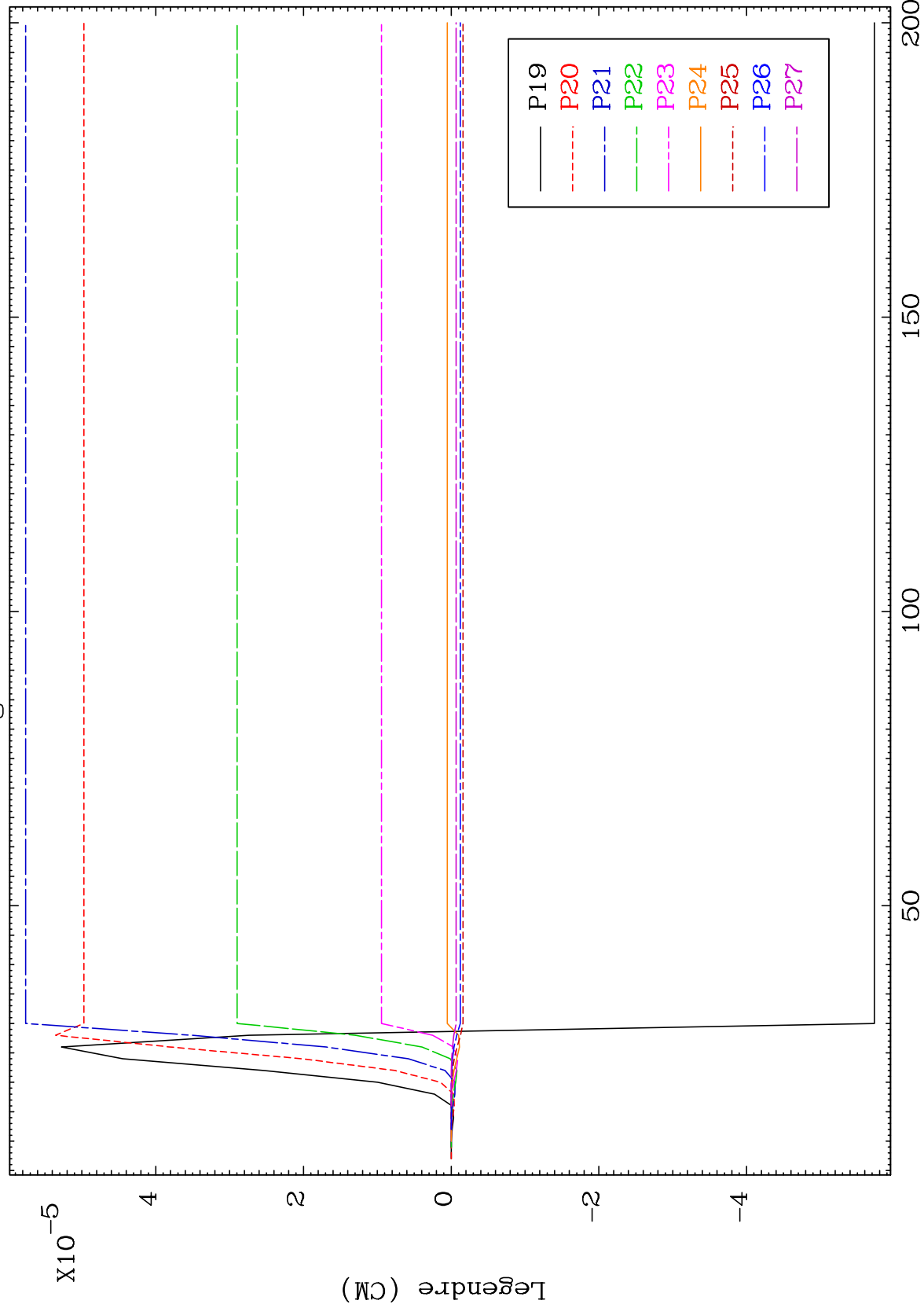
64-Gd-151

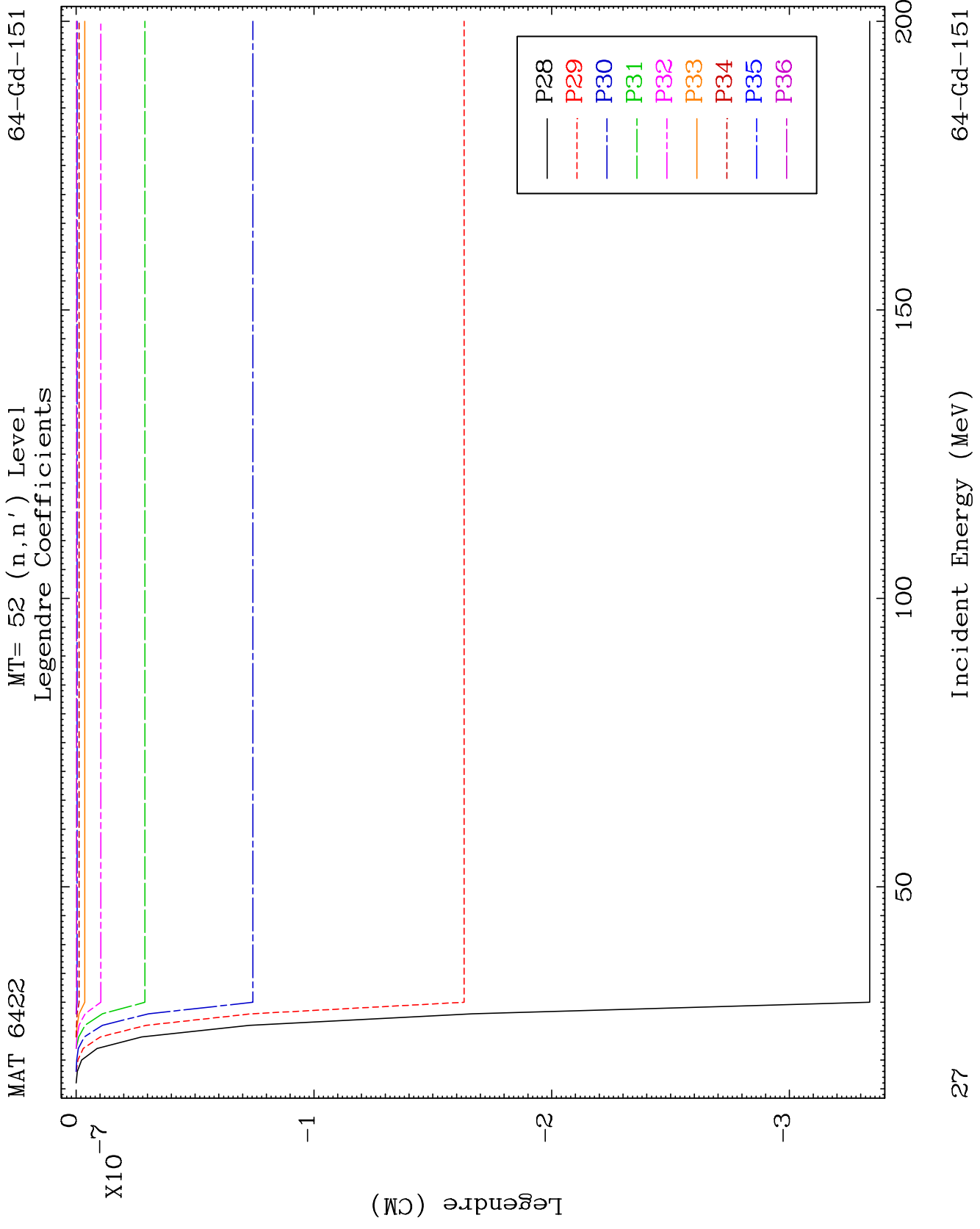


25

Incident Energy (MeV)

64-Gd-151

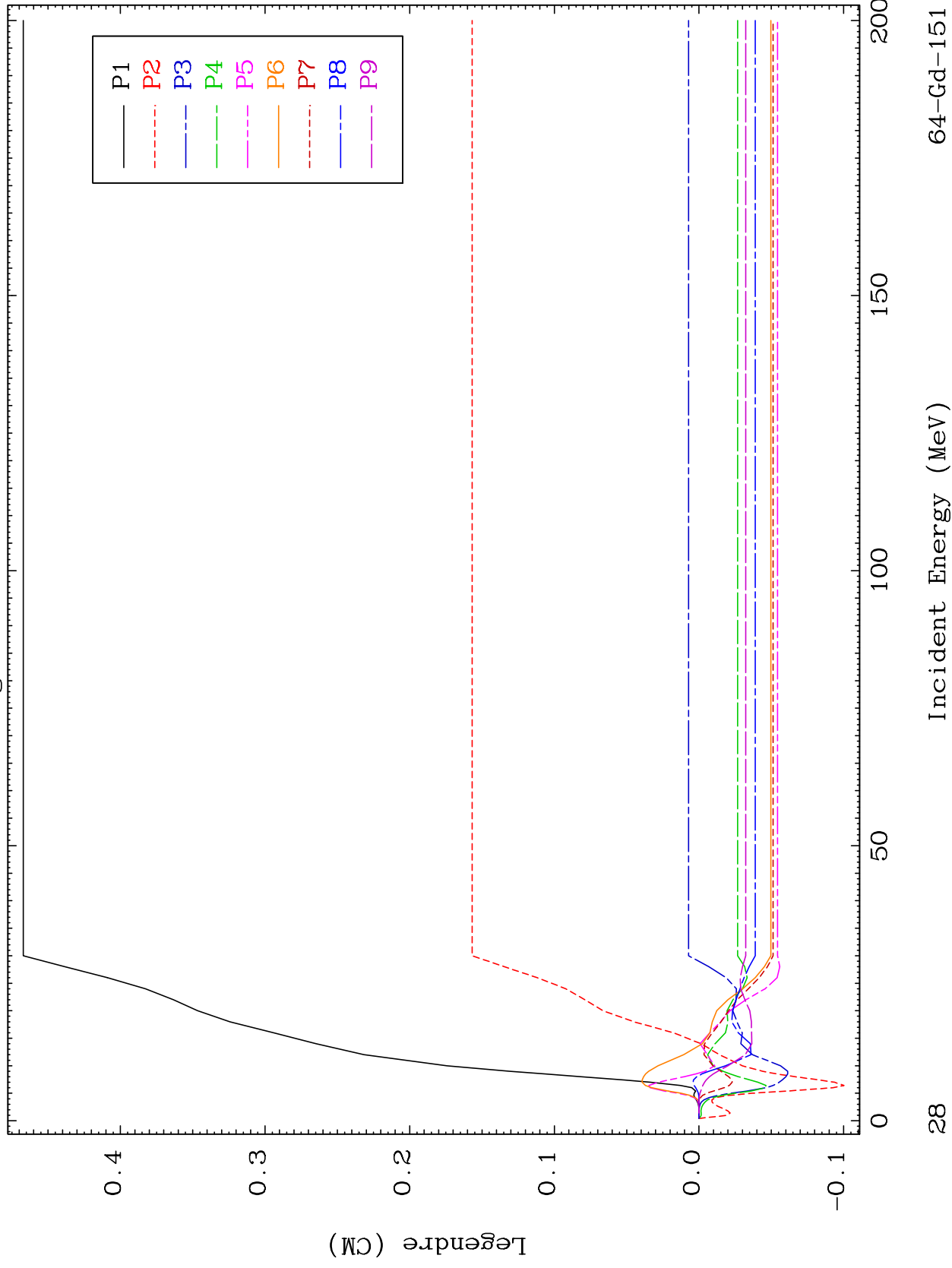




MAT 6422

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

64-Gd-151



64-Gd-151

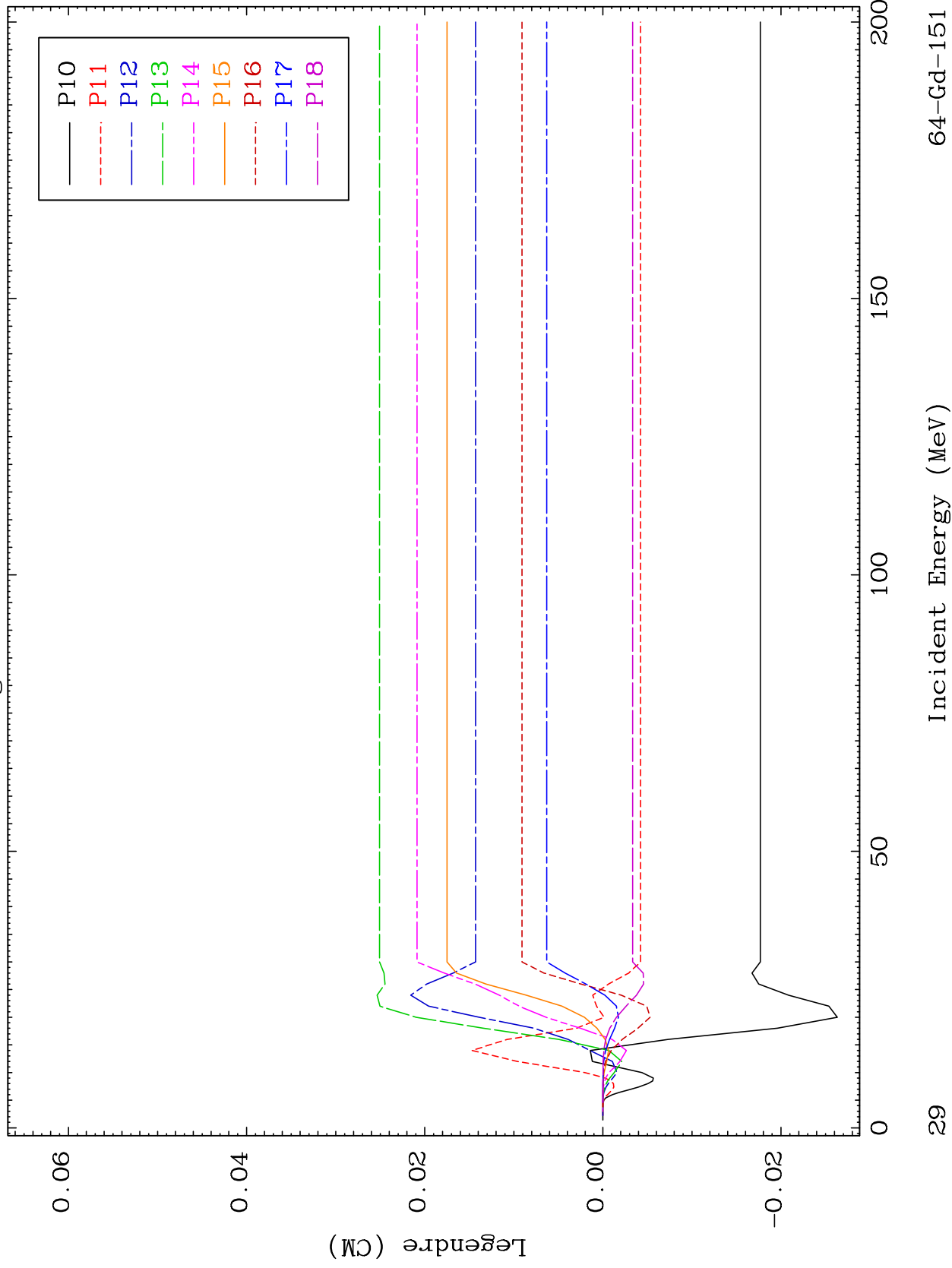
Incident Energy (MeV)

28

MAT 6422

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

64-Gd-151



64-Gd-151

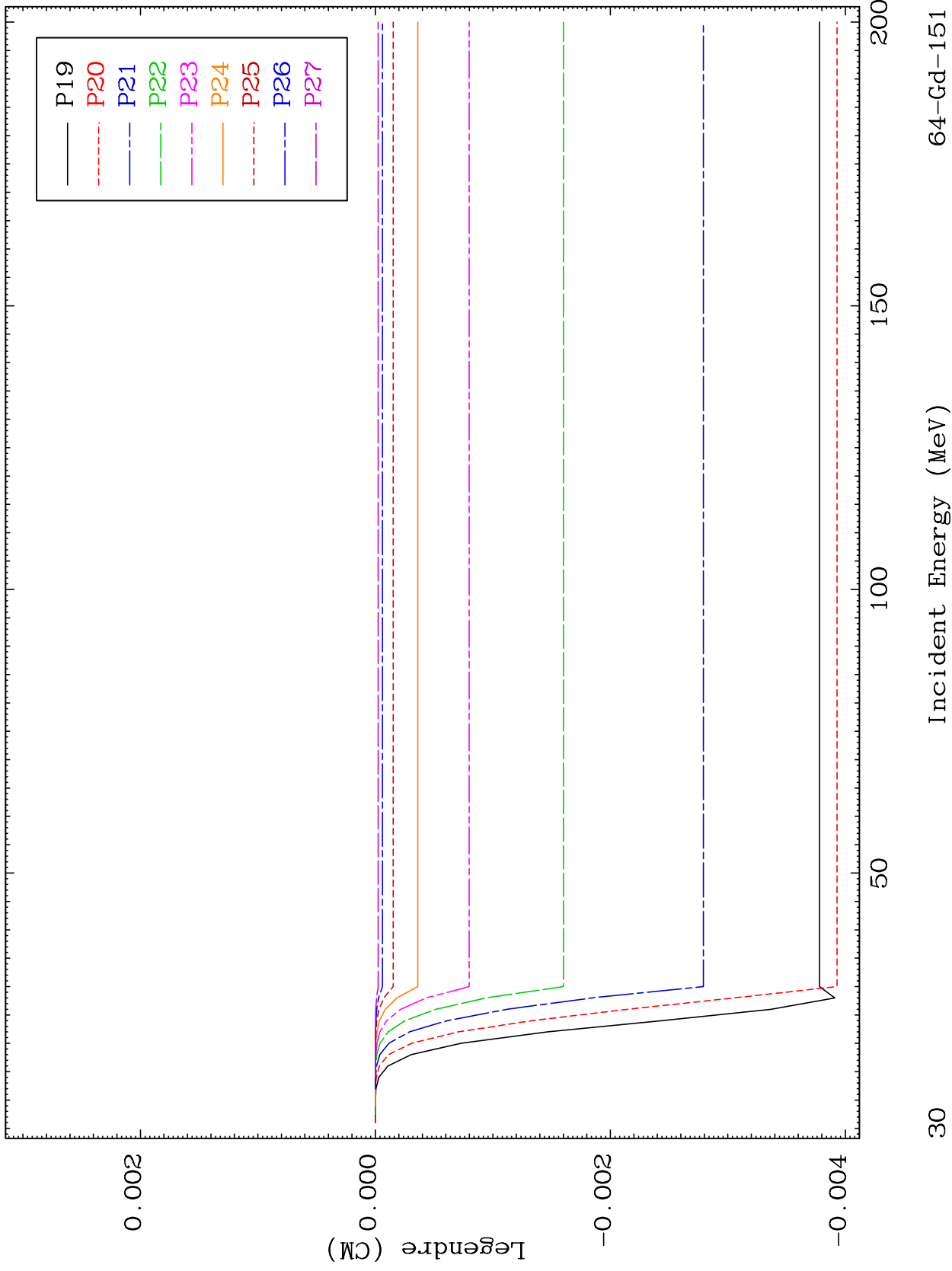
Incident Energy (MeV)

29

MAT 6422

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

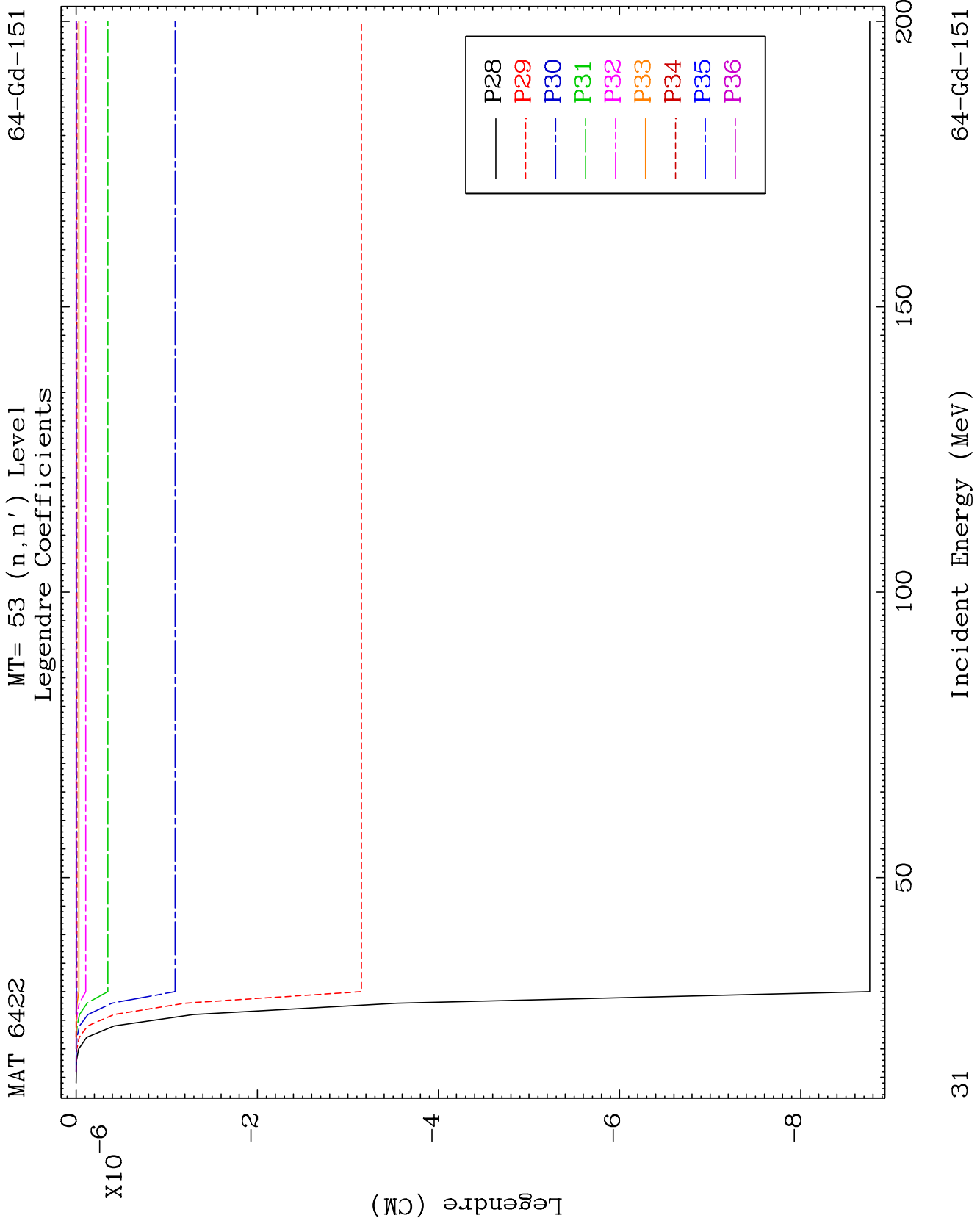
64-Gd-151



30

Incident Energy (MeV)

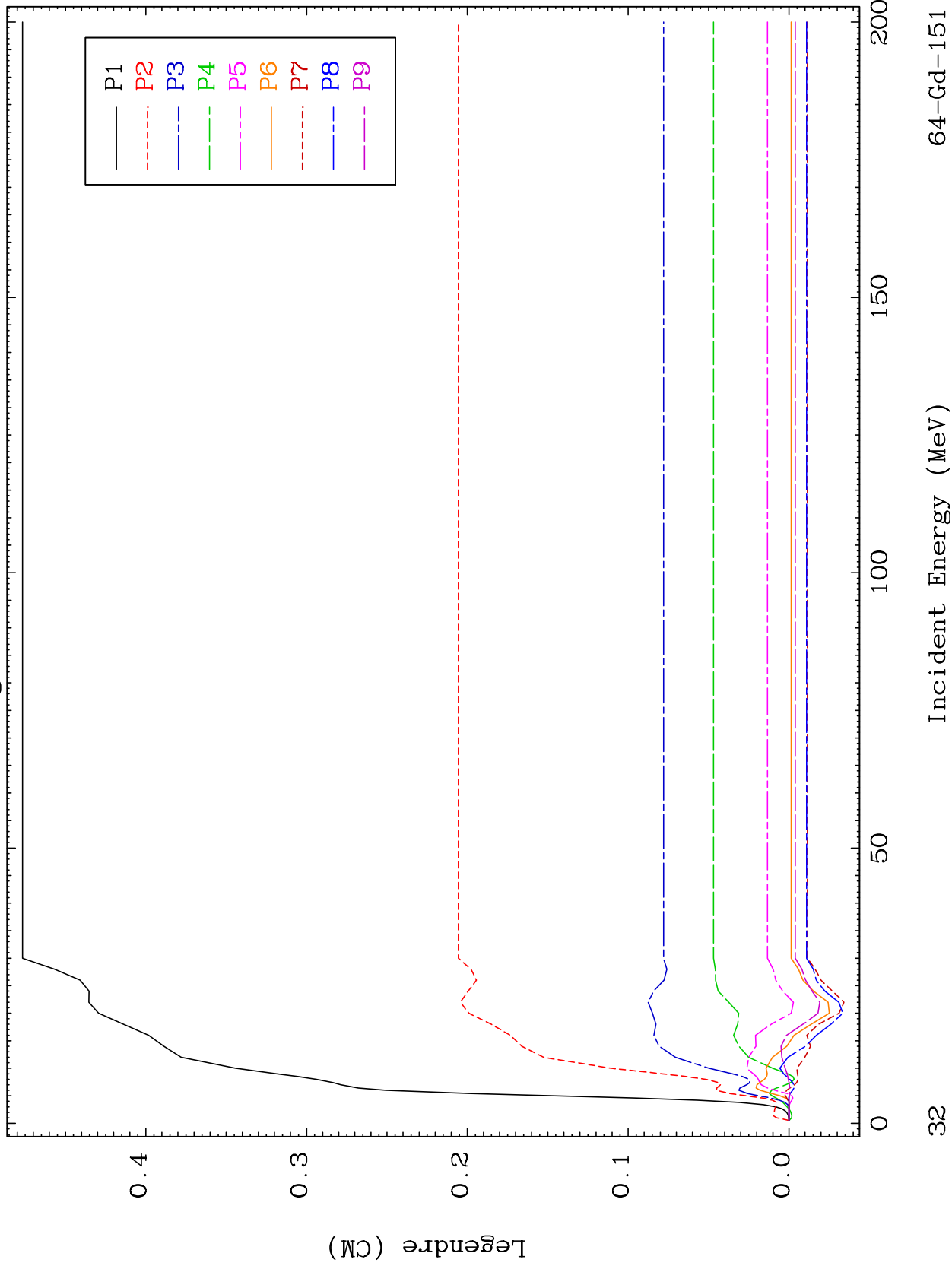
64-Gd-151



MAT 6422

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

64-Gd-151



64-Gd-151

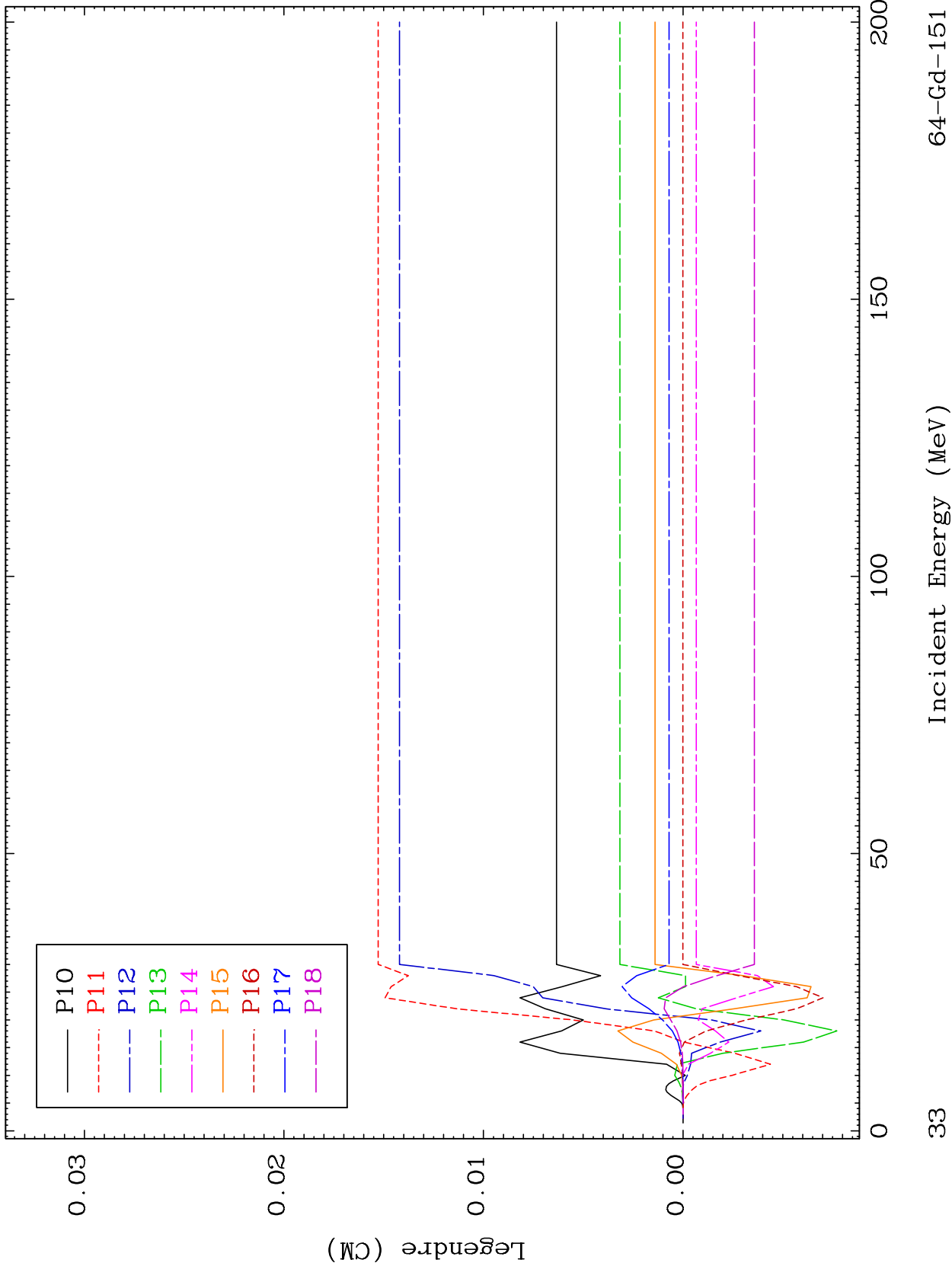
Incident Energy (MeV)

32

MAT 6422

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

64-Gd-151



33

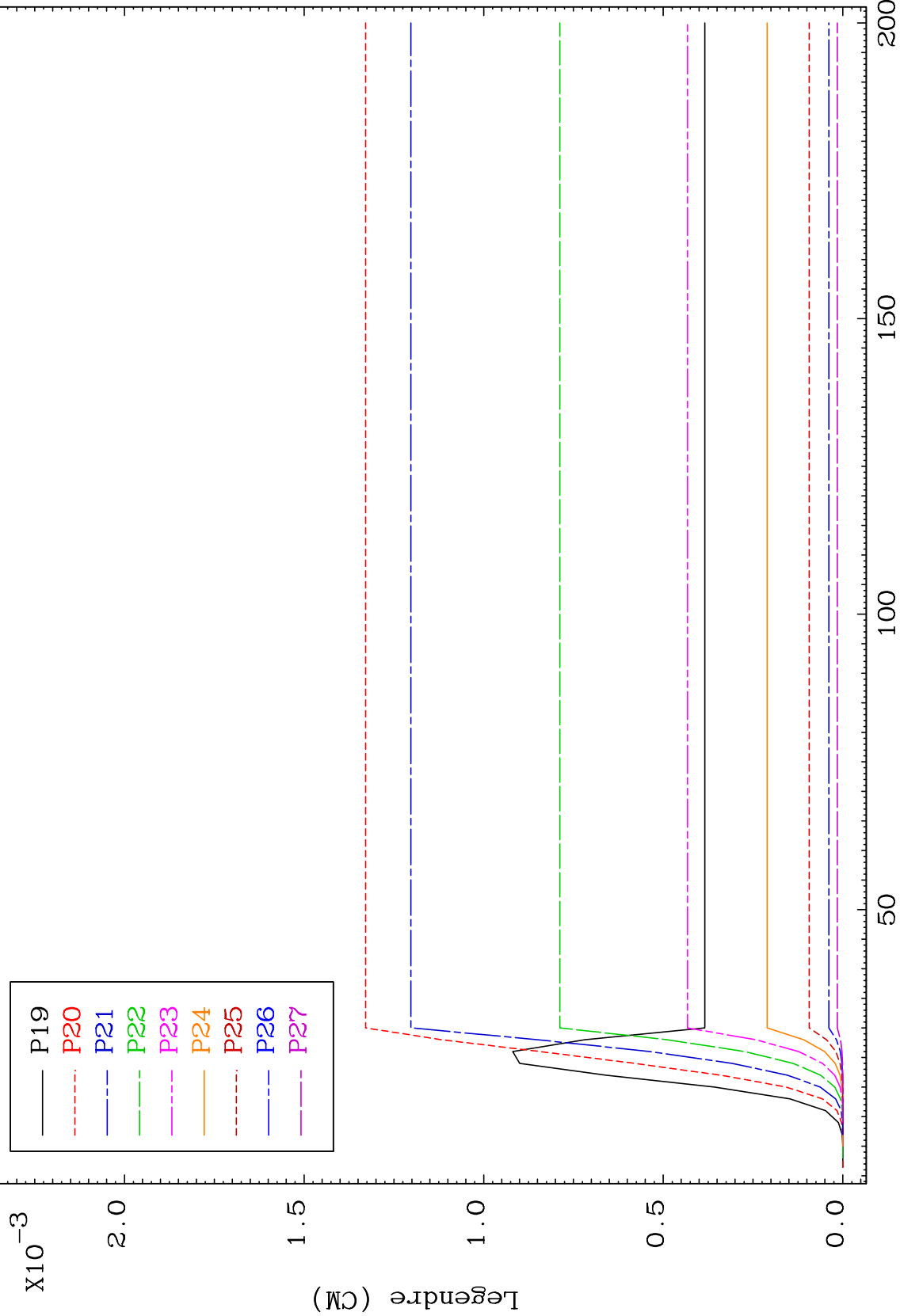
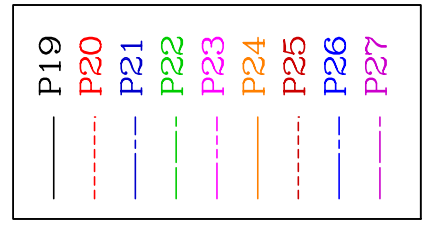
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



34

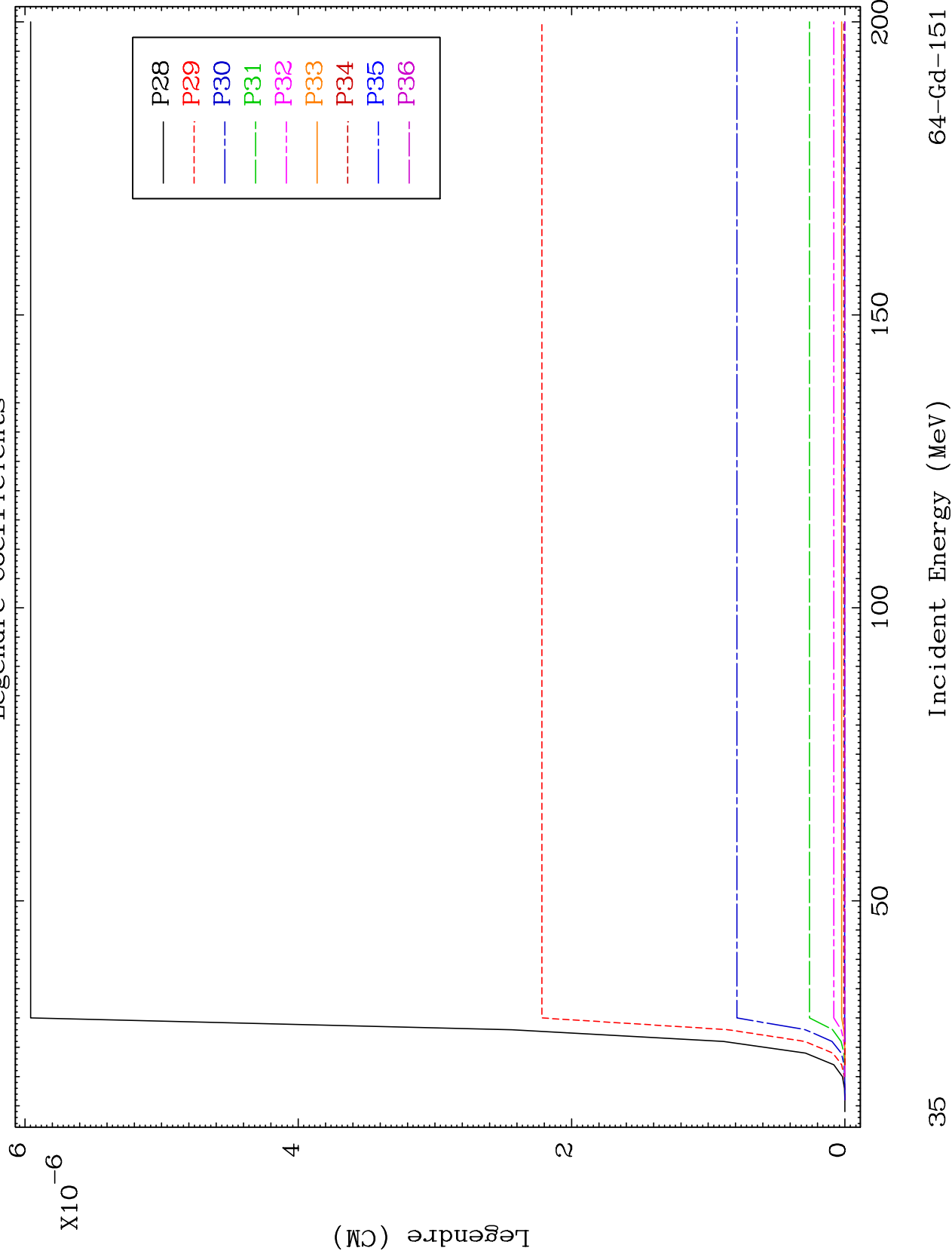
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

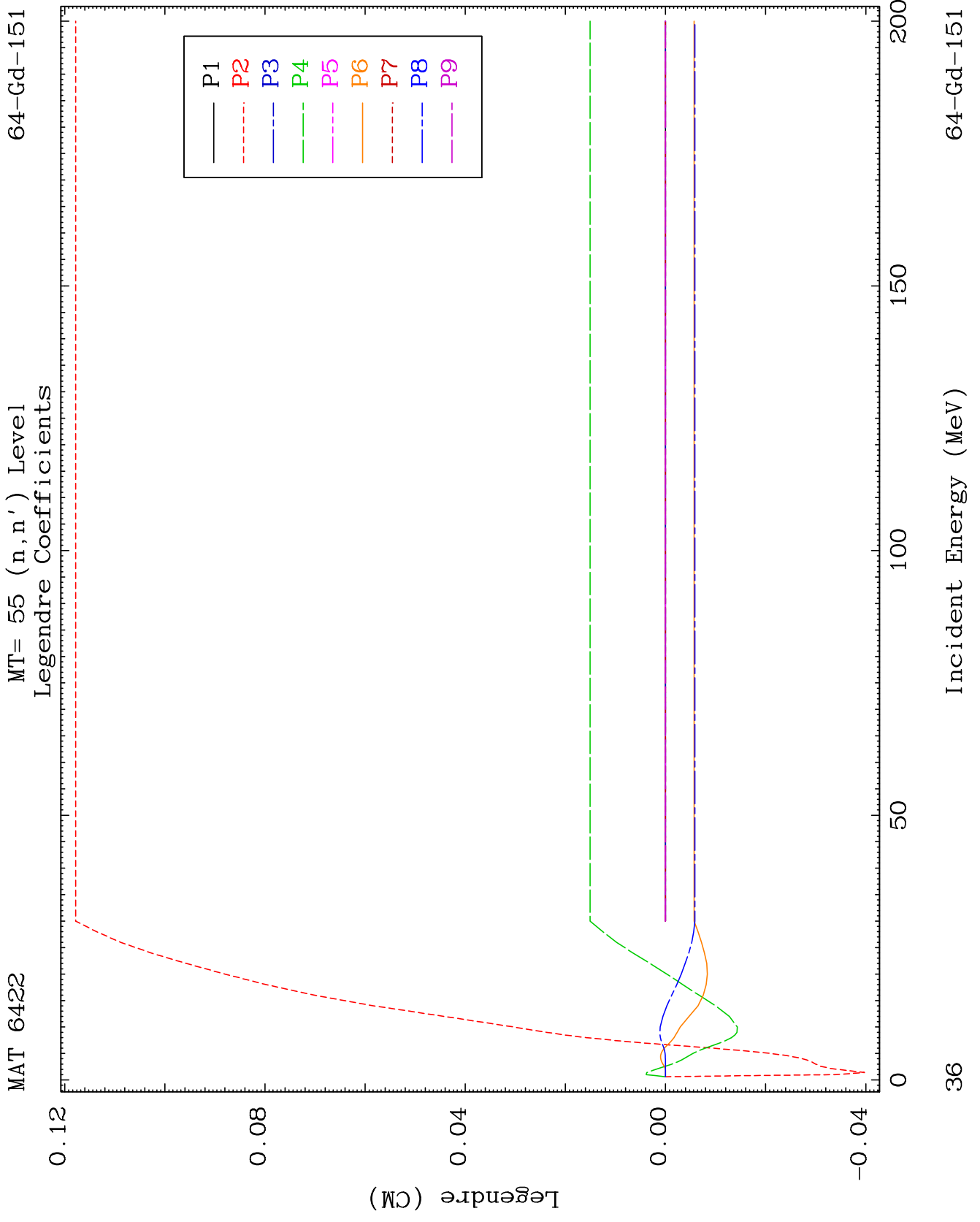
64-Gd-151



35

Incident Energy (MeV)

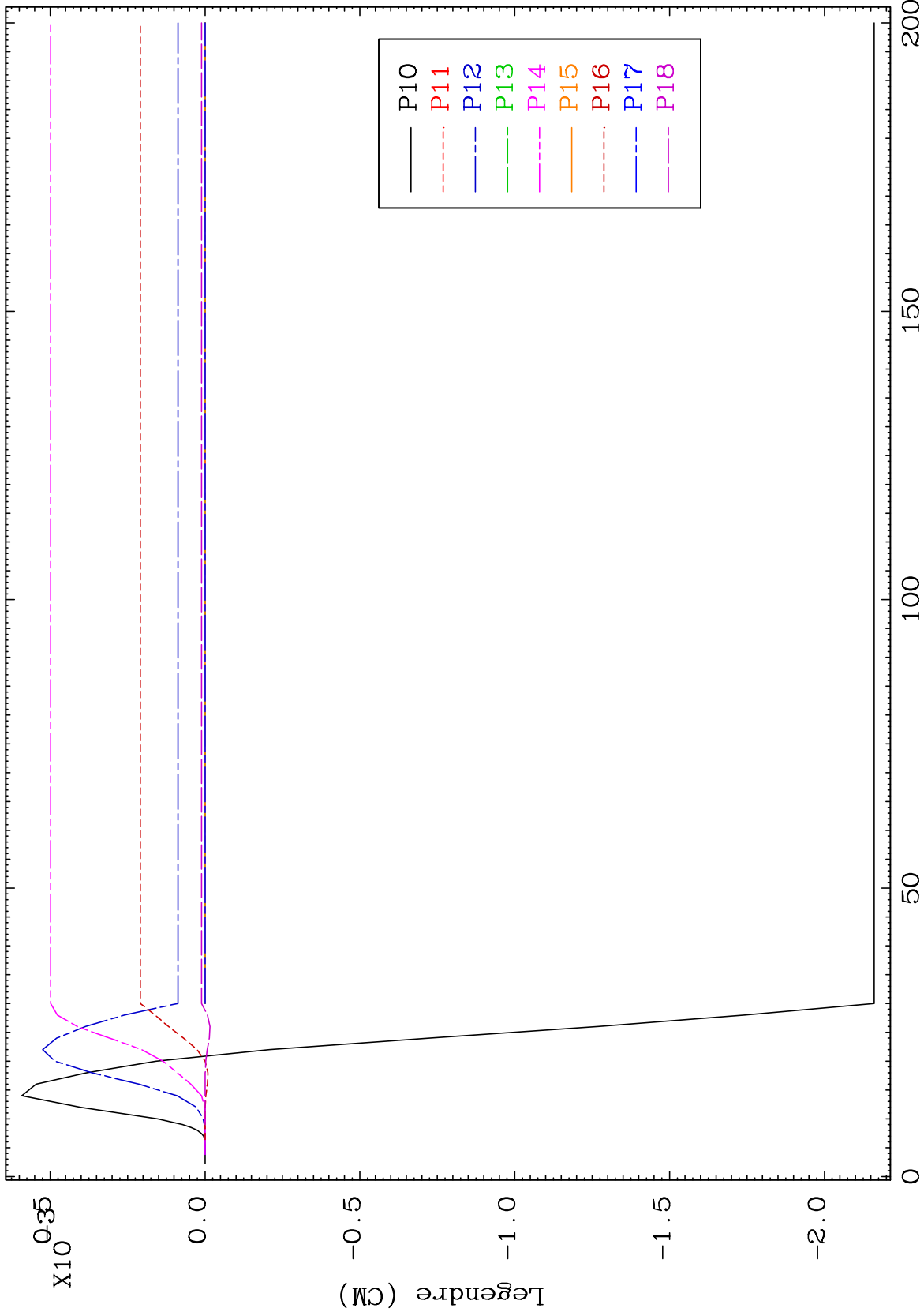
64-Gd-151



MAT 6422

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

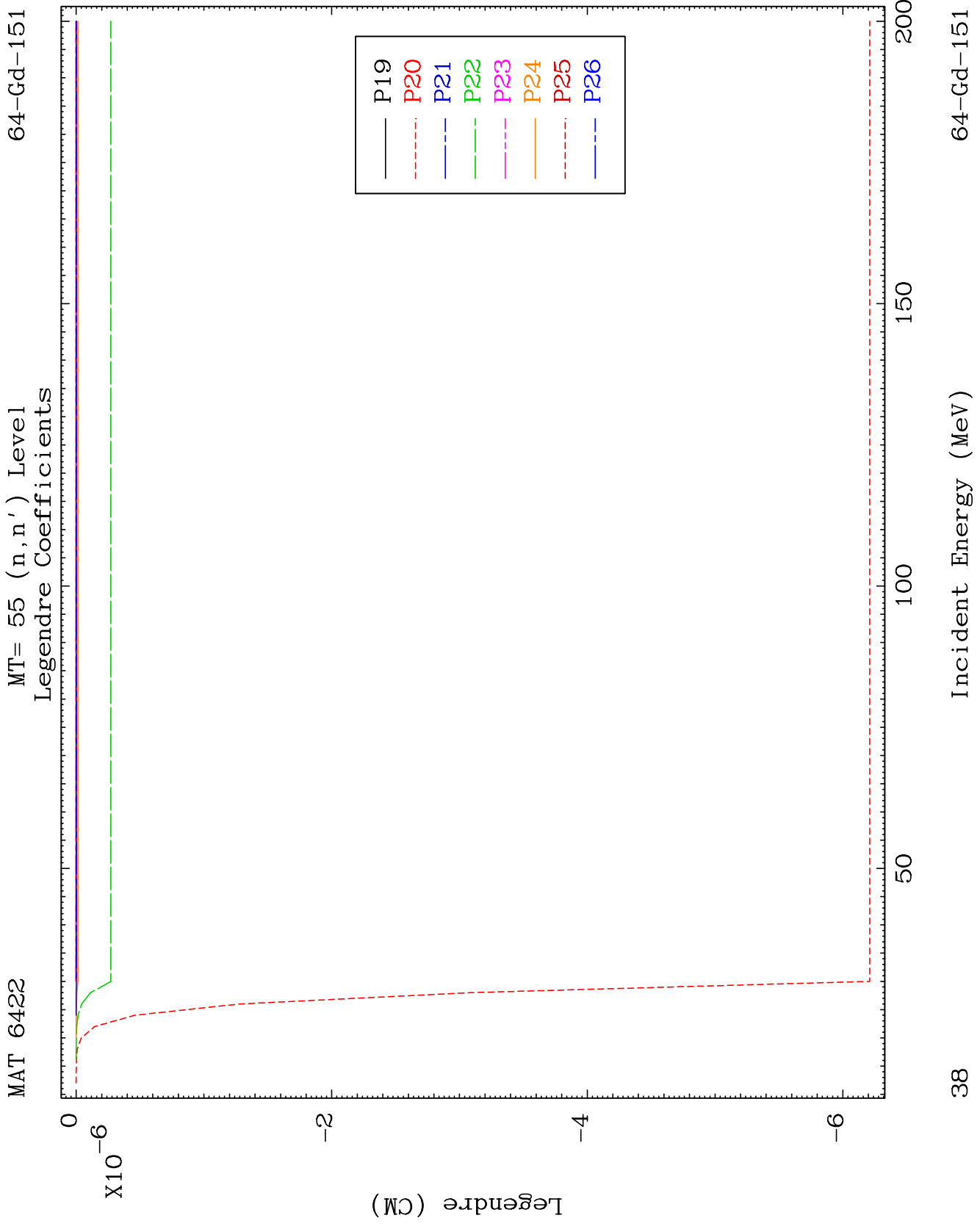
64-Gd-151



37

Incident Energy (MeV)

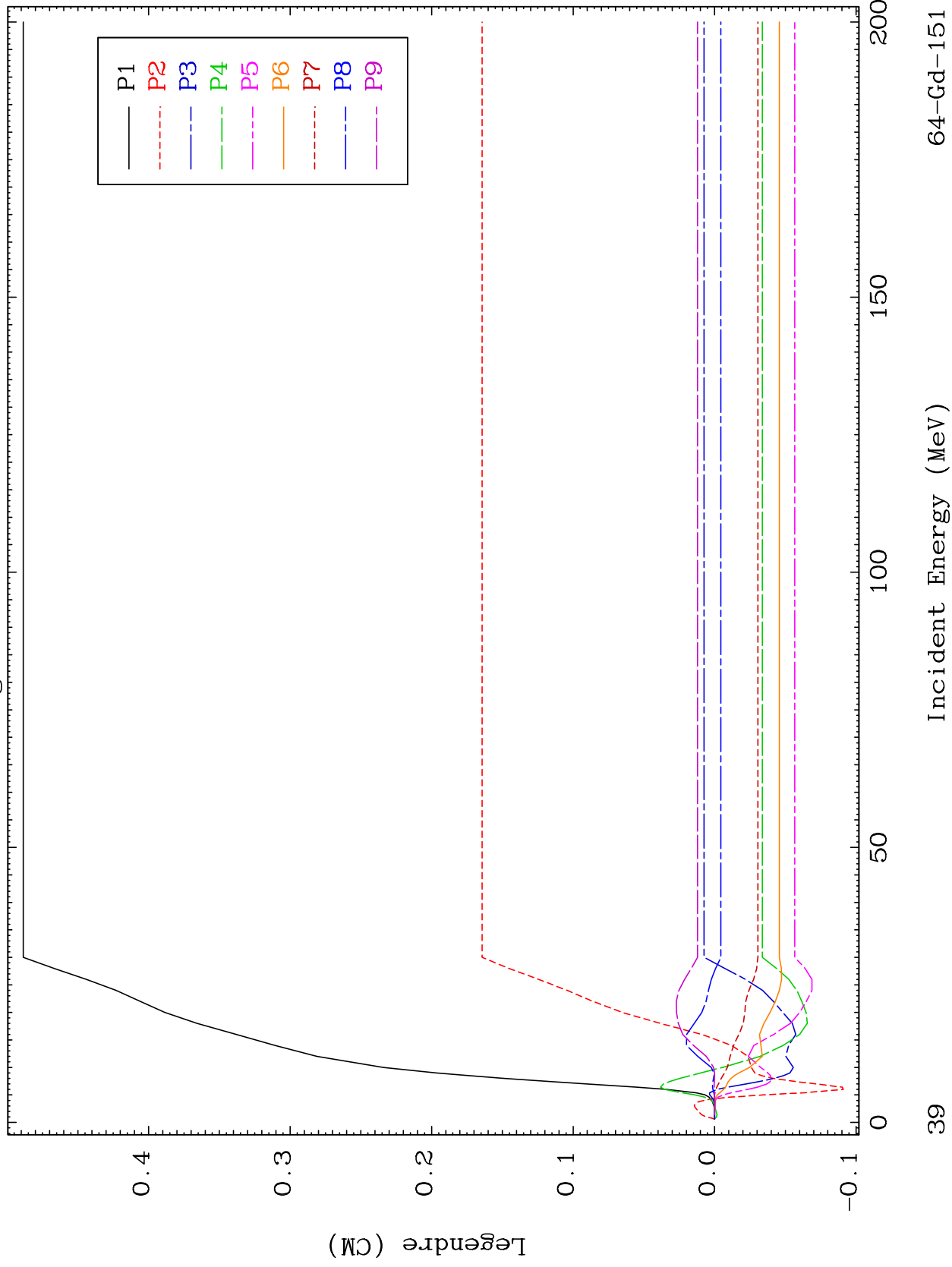
64-Gd-151



MAT 6422

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

64-Gd-151



64-Gd-151

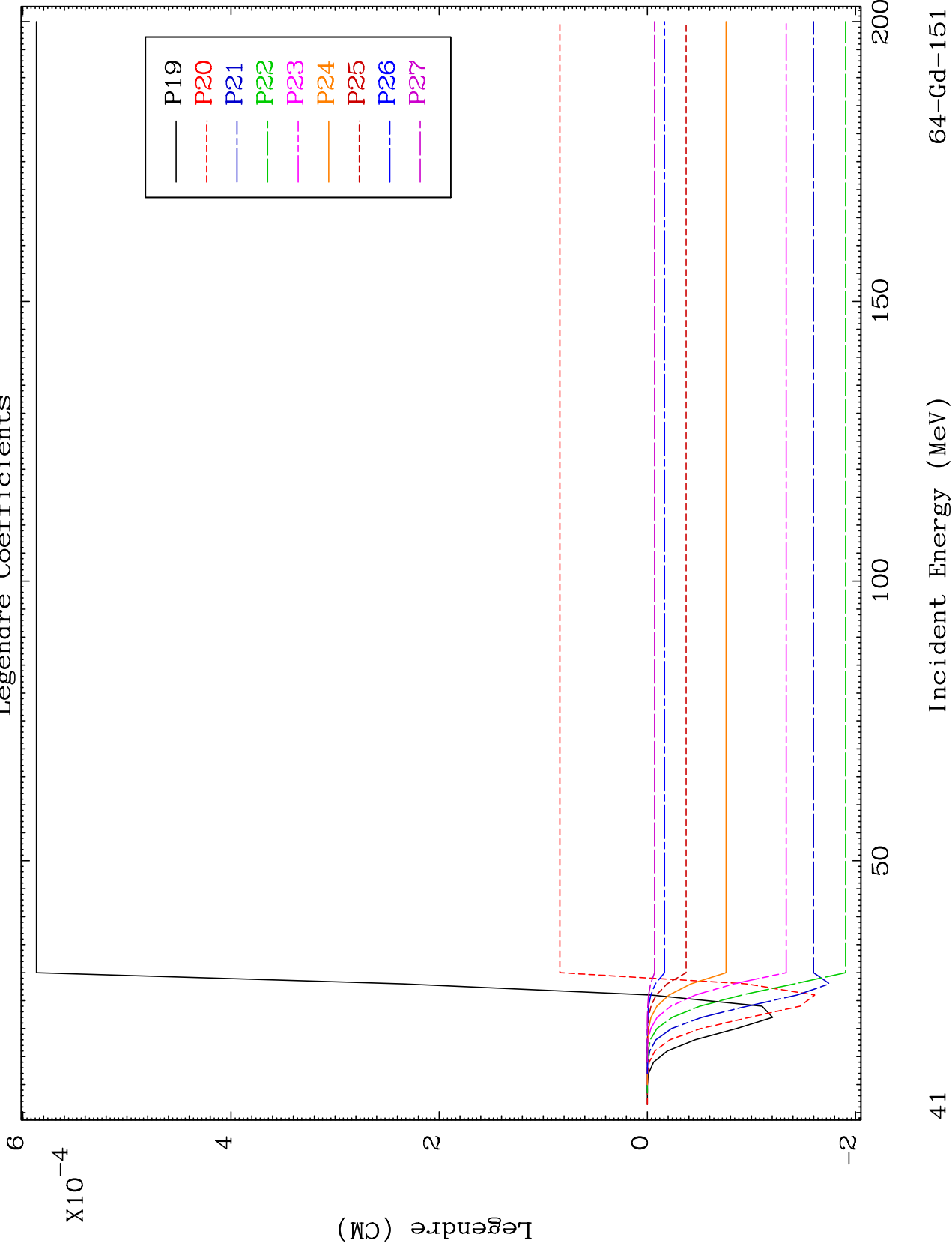
Incident Energy (MeV)

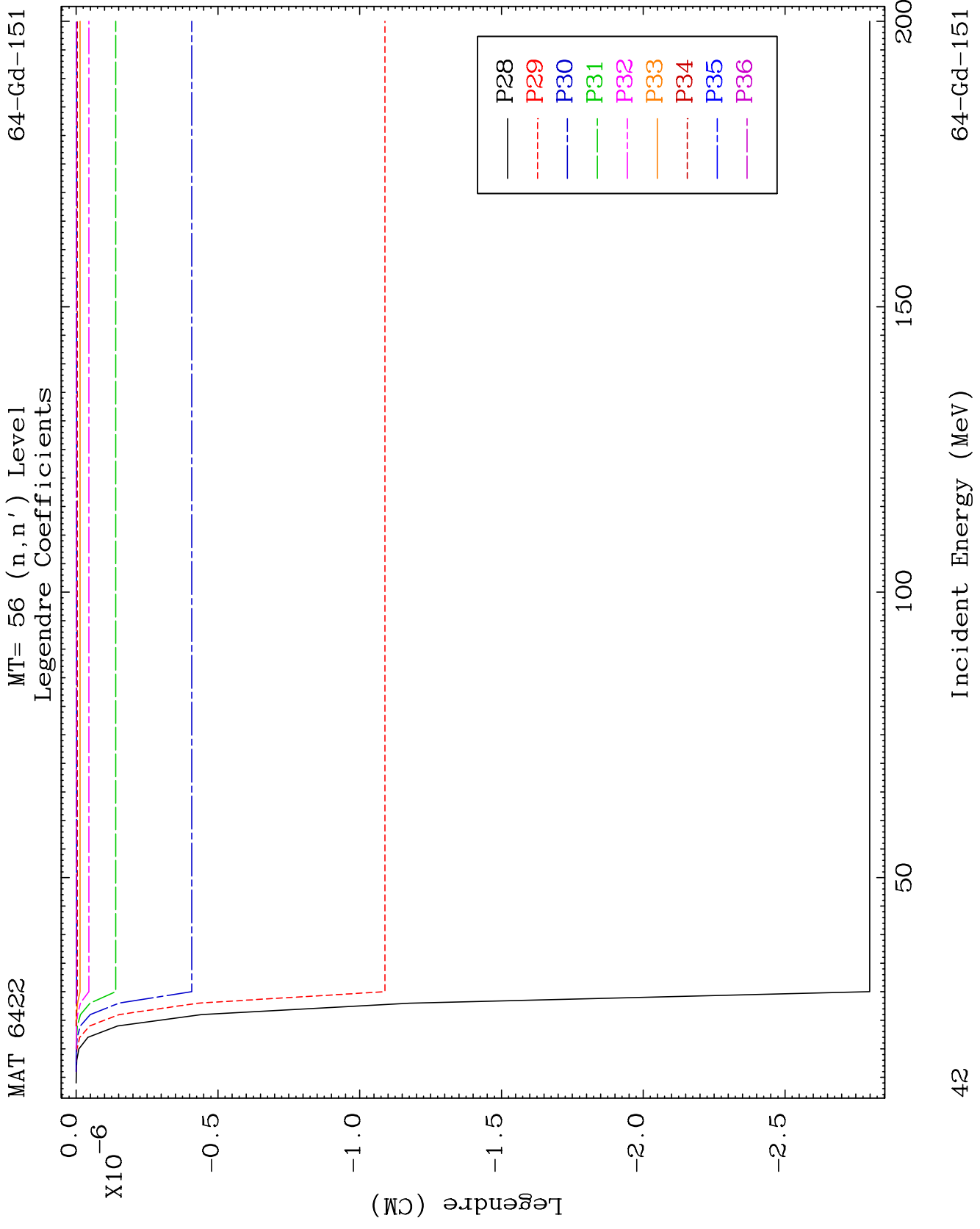
39

MAT 6422

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

64-Gd-151

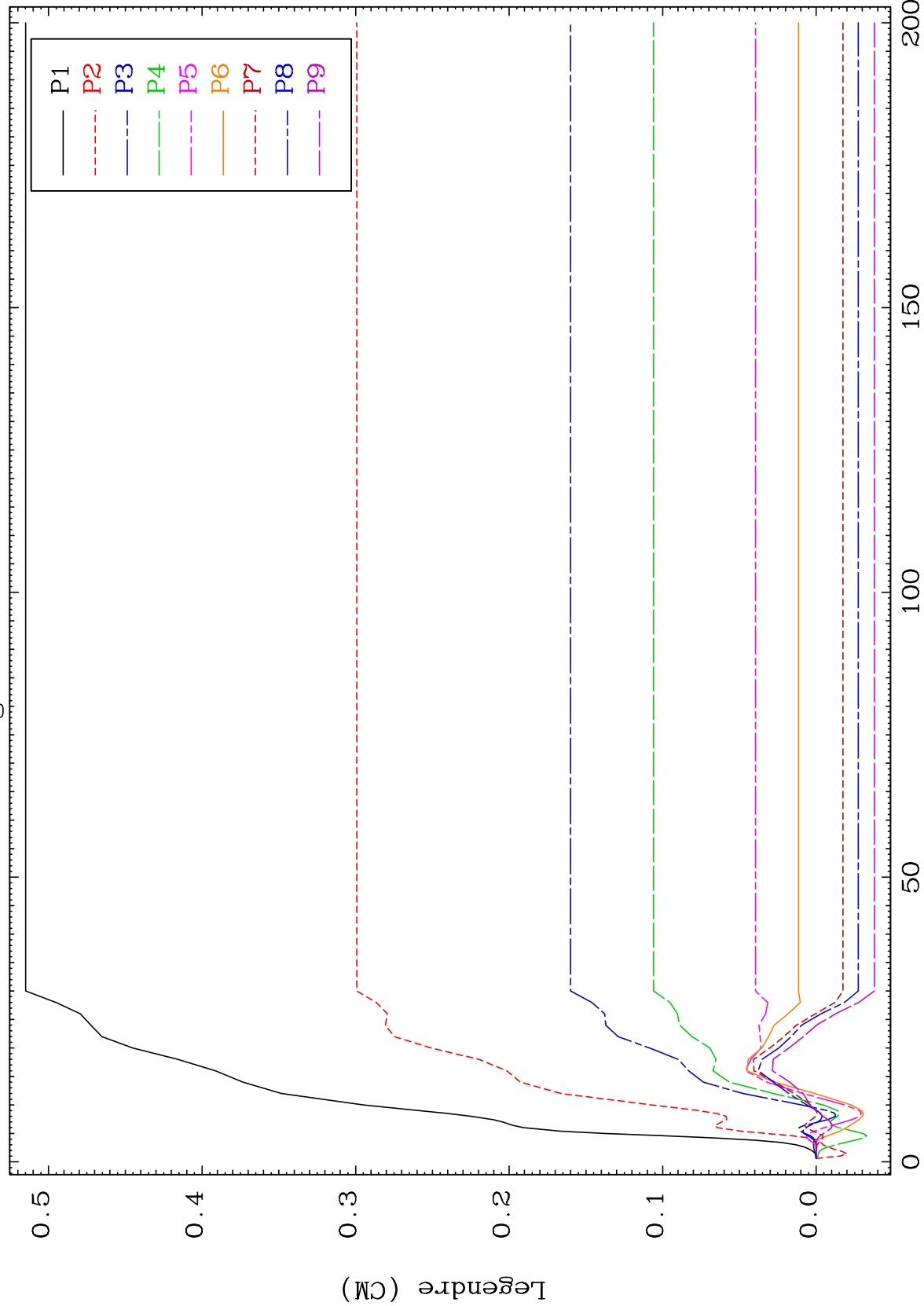




MAT 6422

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

64-Gd-151



64-Gd-151

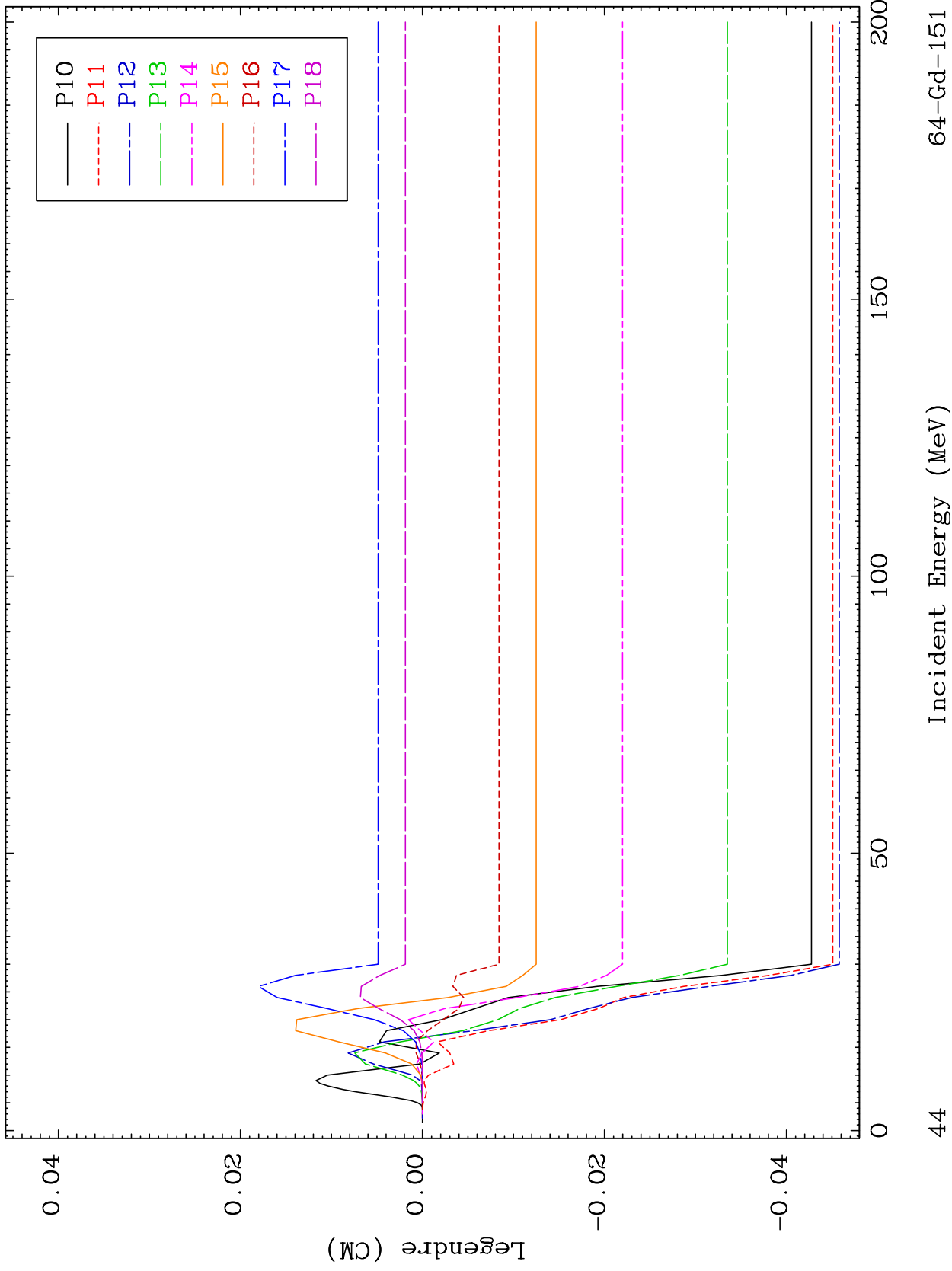
Incident Energy (MeV)

43

MAT 6422

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

64-Gd-151



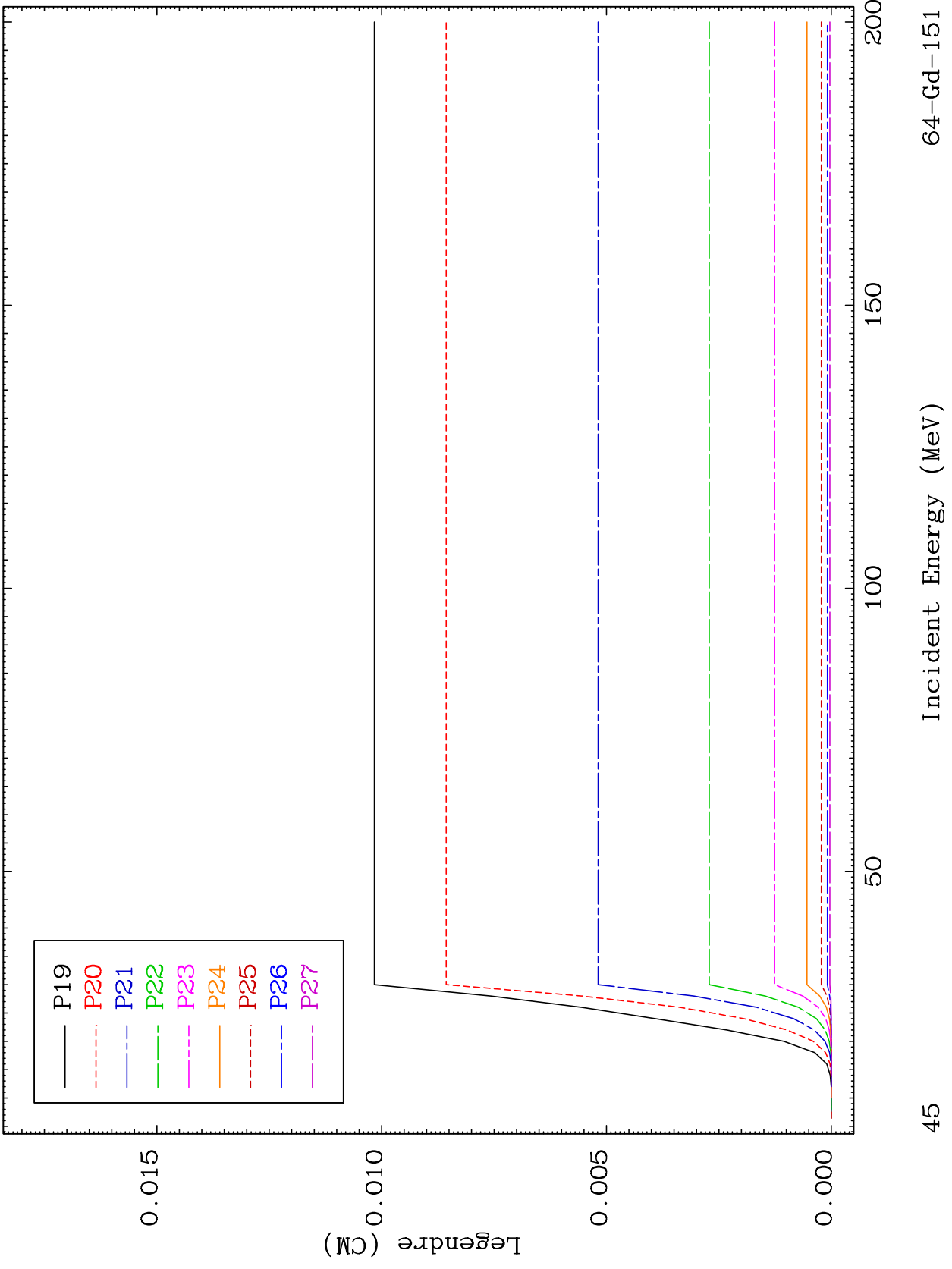
44

64-Gd-151

MAT 6422

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

64-Gd-151



45

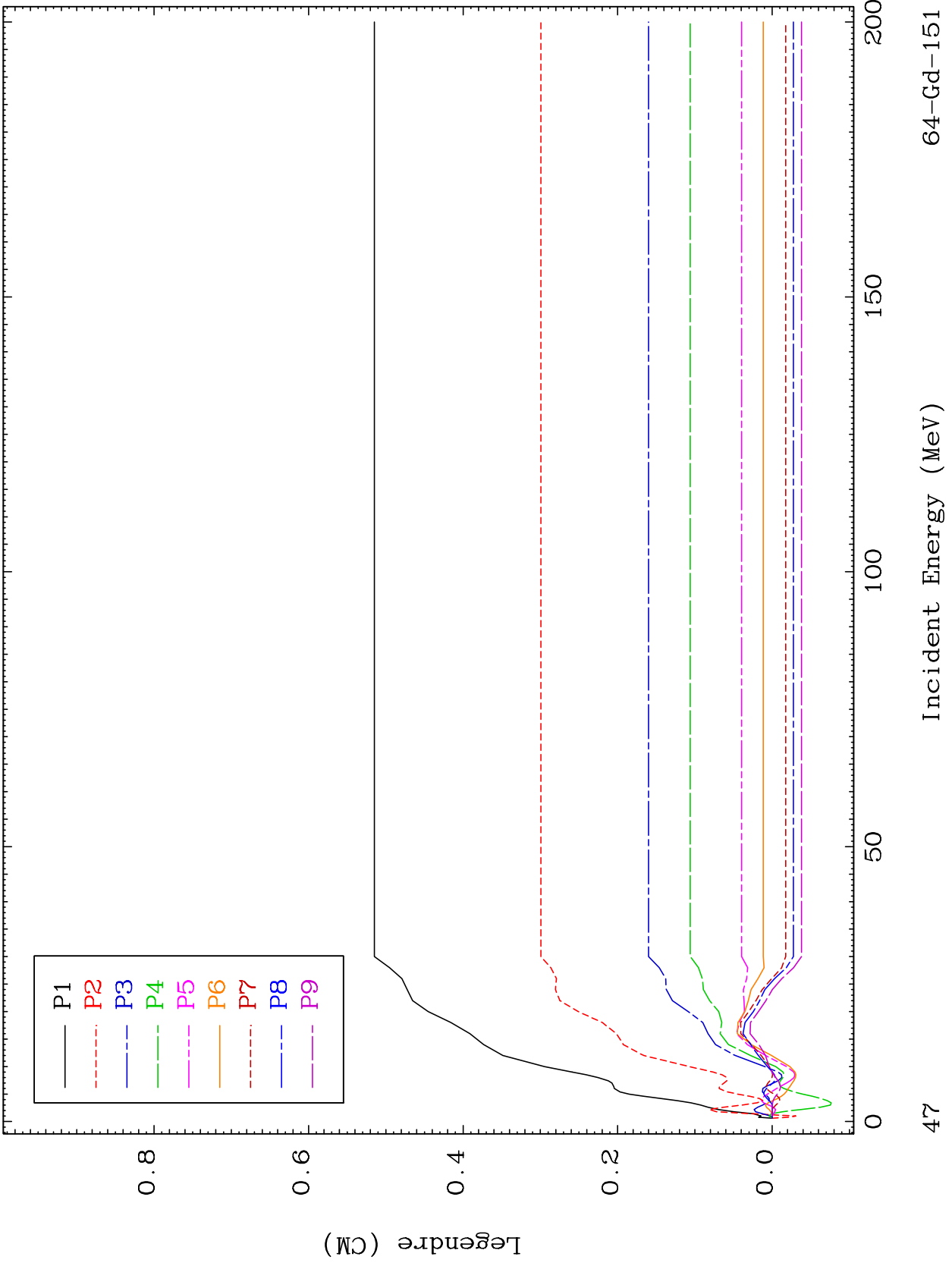
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



47

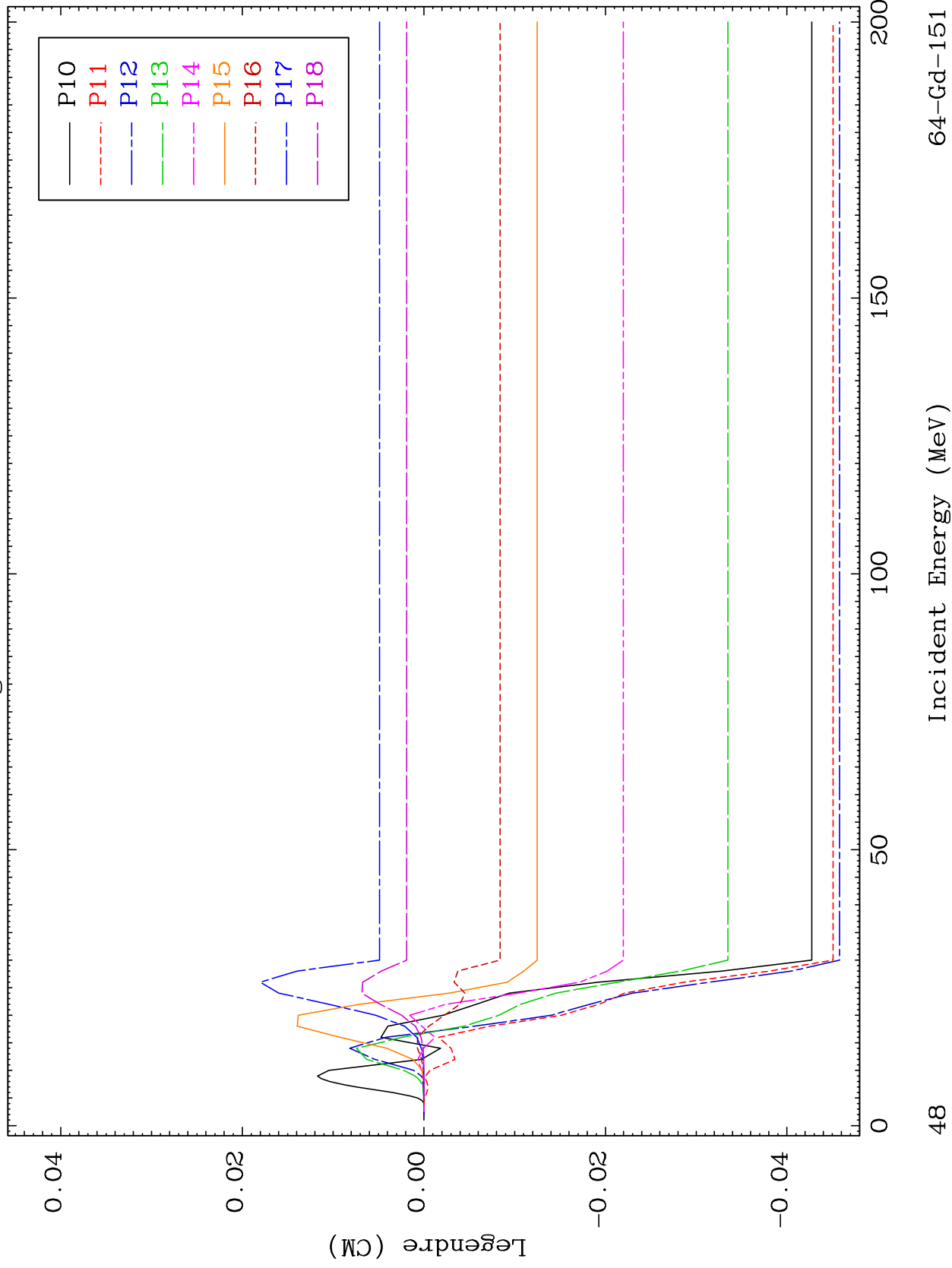
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

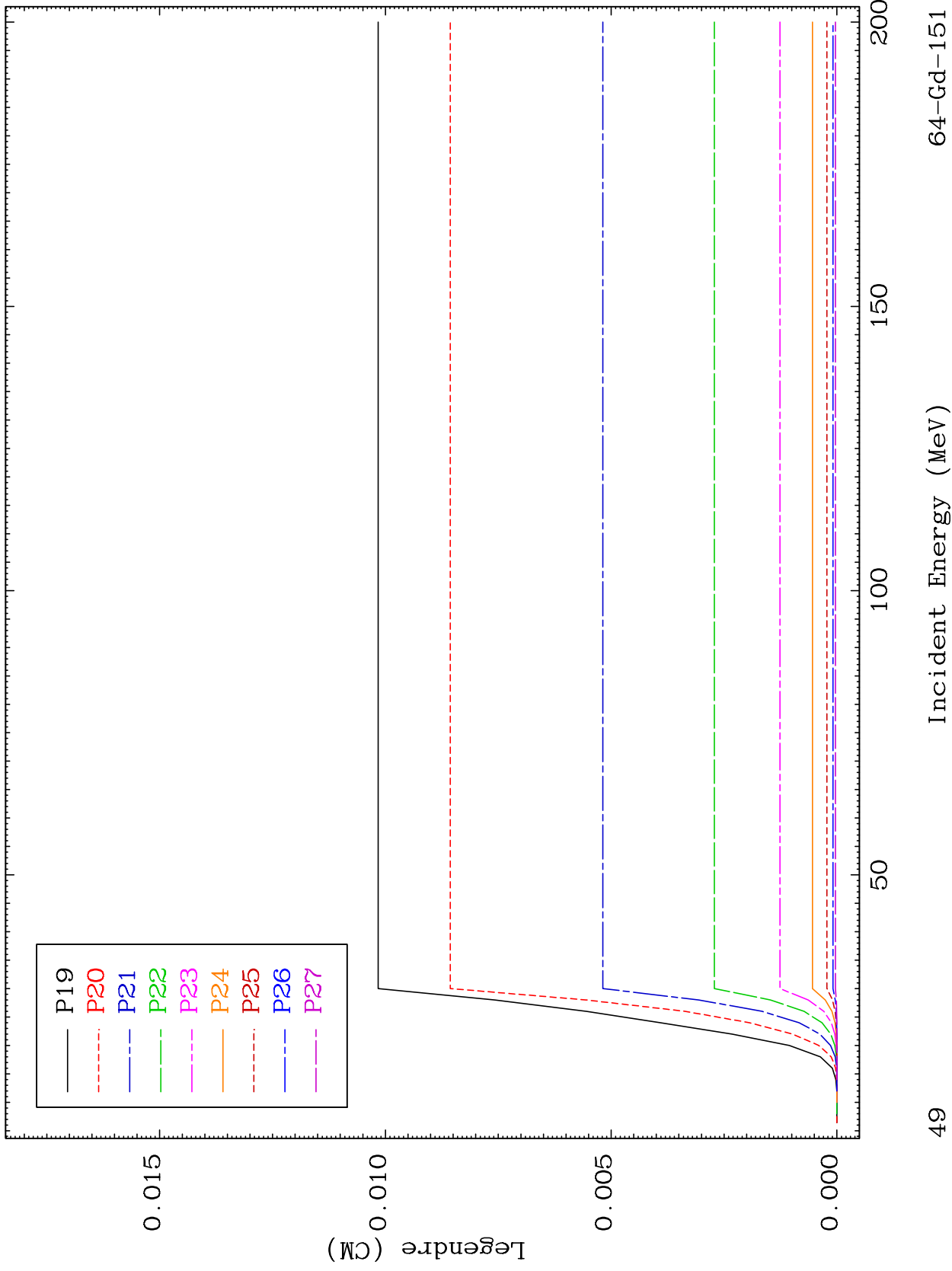
64-Gd-151

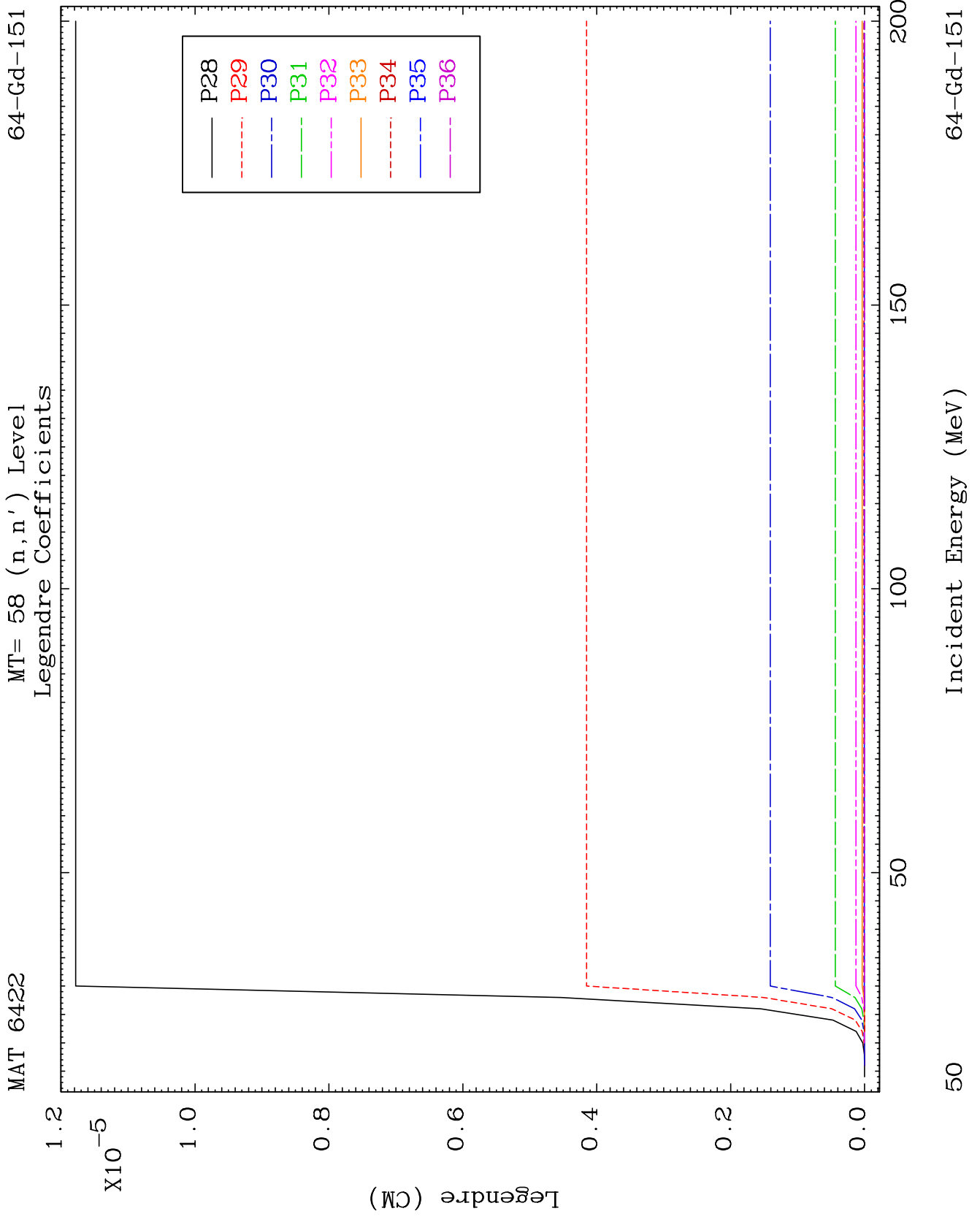


64-Gd-151

Incident Energy (MeV)

48

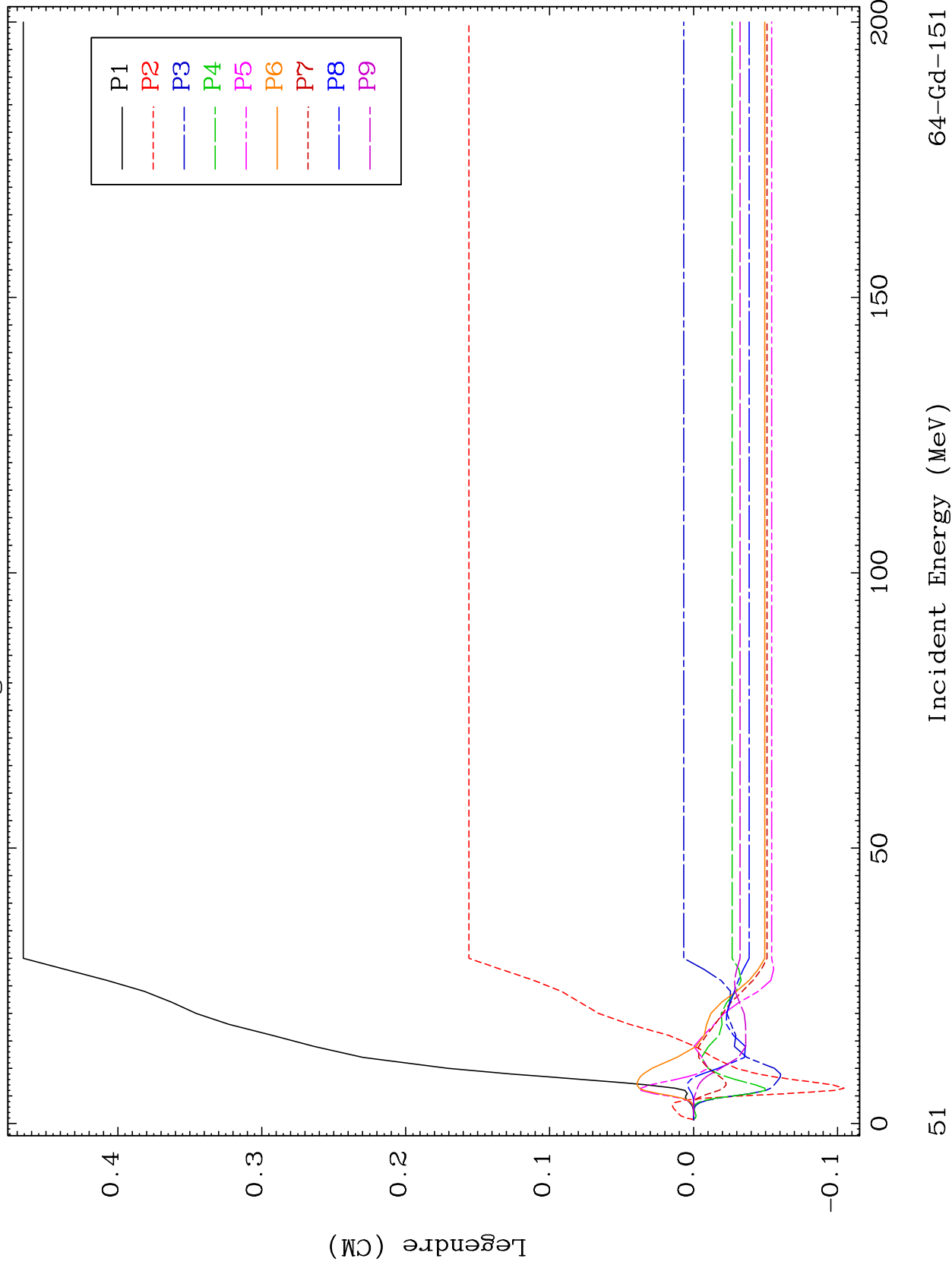




MAT 6422

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

64-Gd-151



64-Gd-151

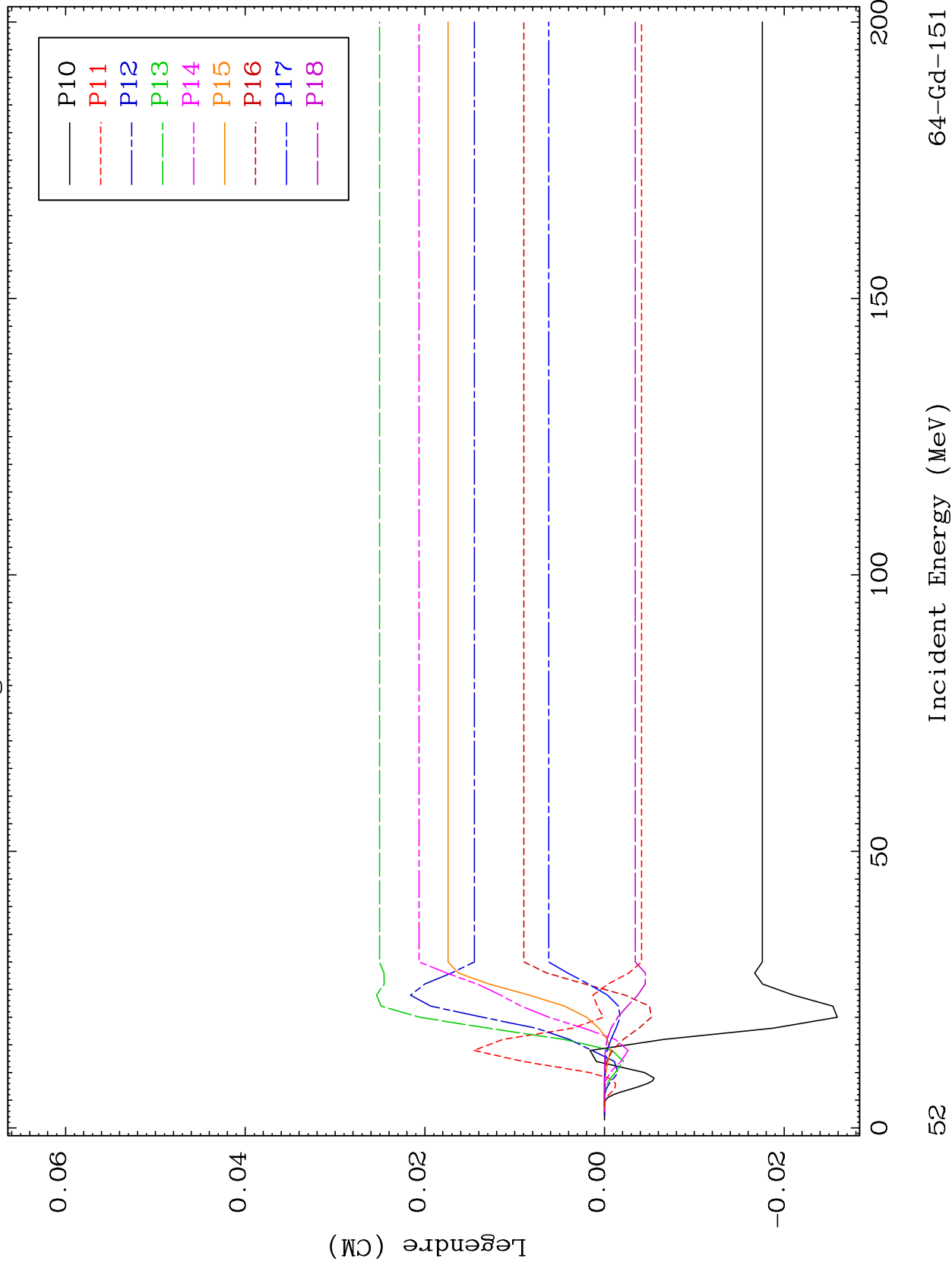
Incident Energy (MeV)

51

MAT 6422

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

64-Gd-151



64-Gd-151

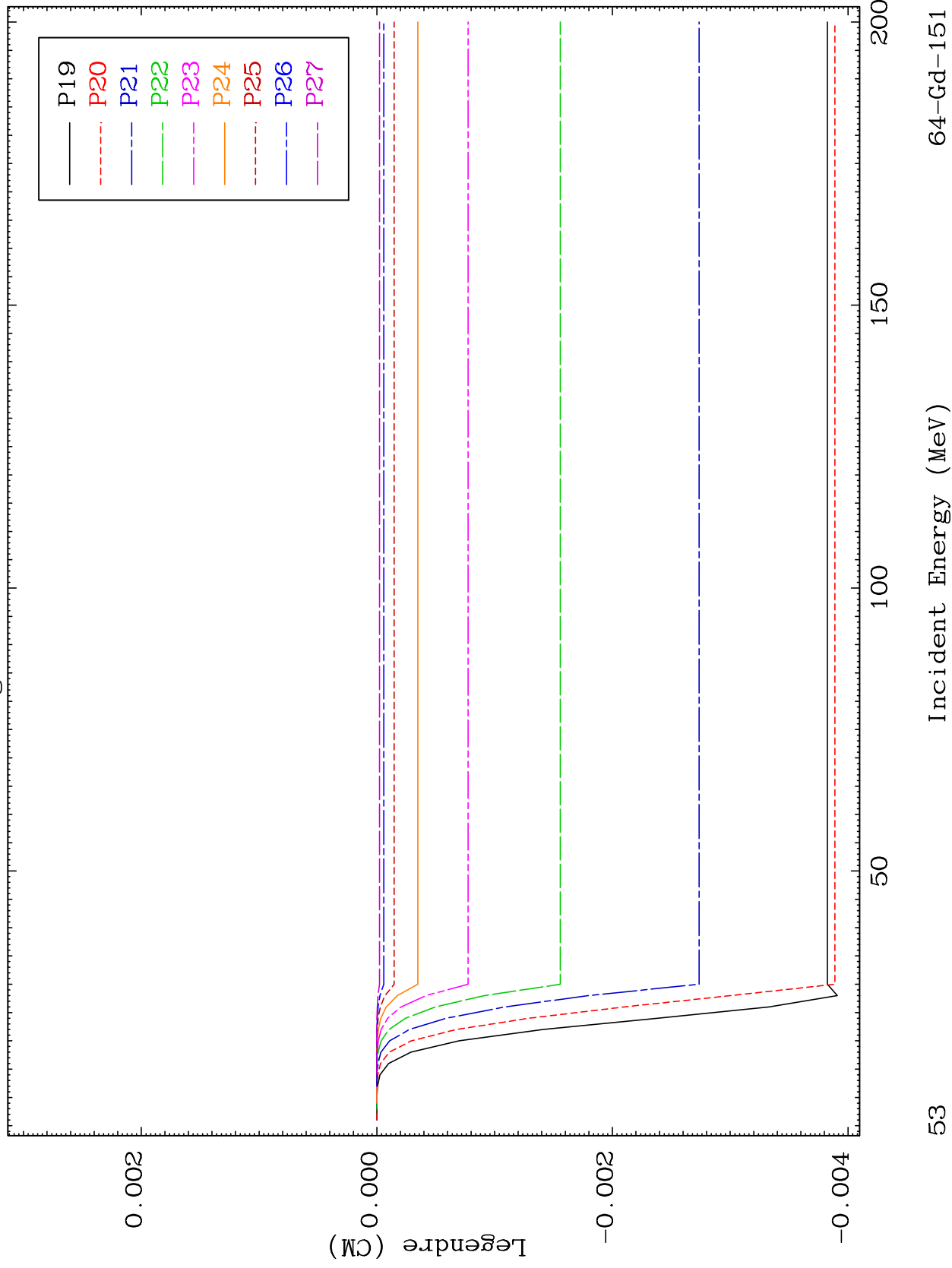
Incident Energy (MeV)

52

MAT 6422

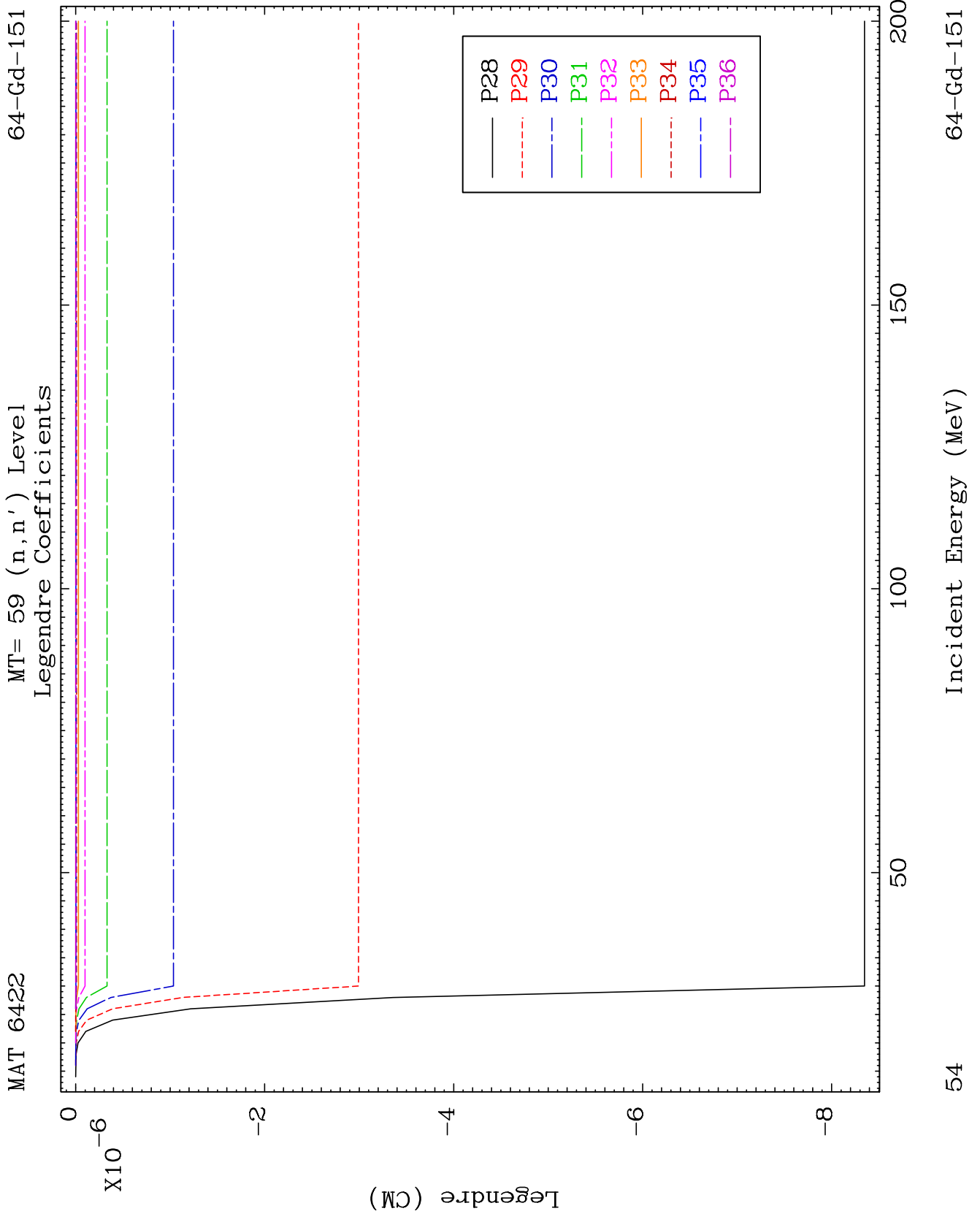
MT= 59 (n,n') Level
Legendre Coefficients

64-Gd-151



53

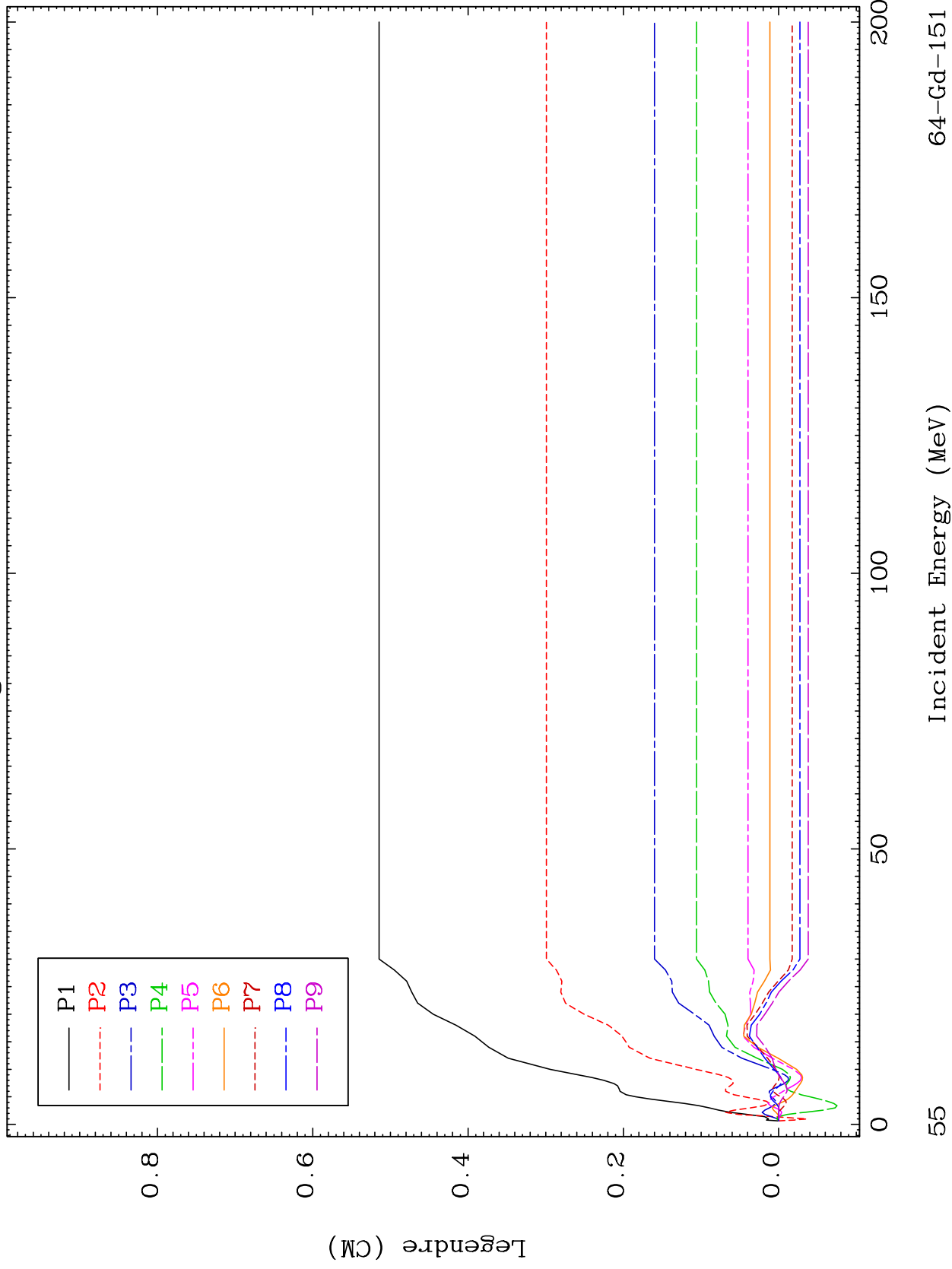
64-Gd-151



MAT 6422

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

64-Gd-151

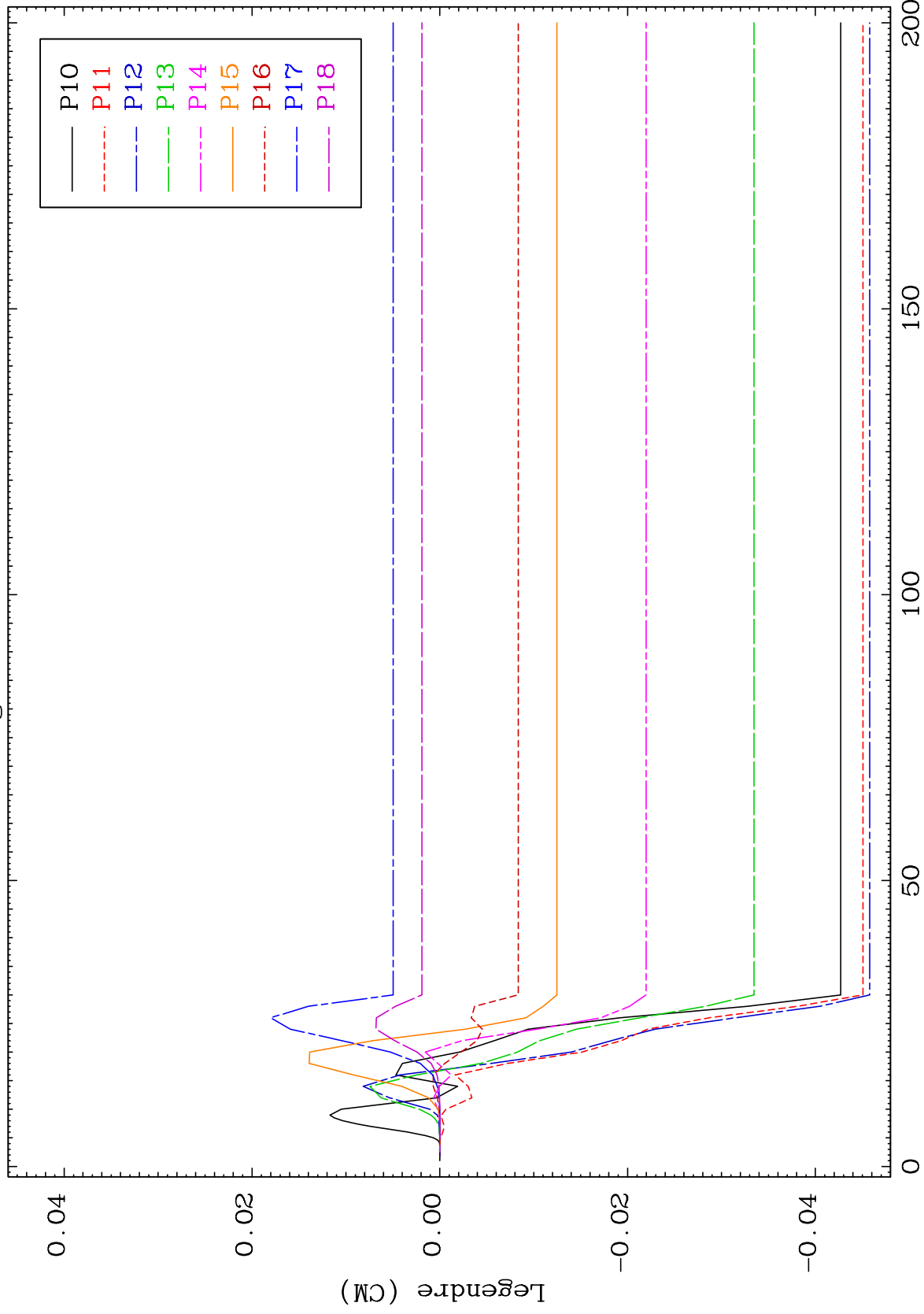


55

MAT 6422

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

64-Gd-151



56

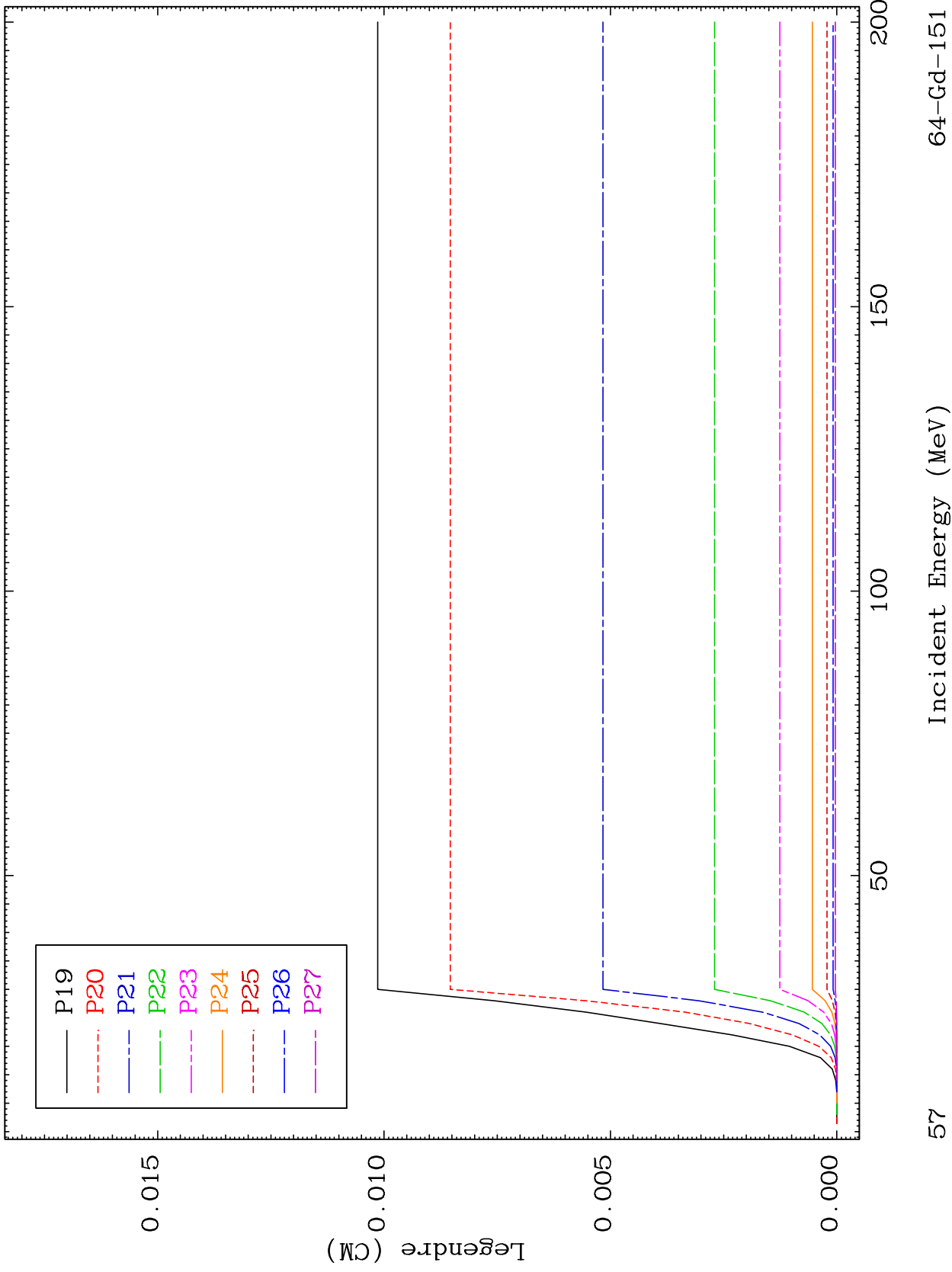
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



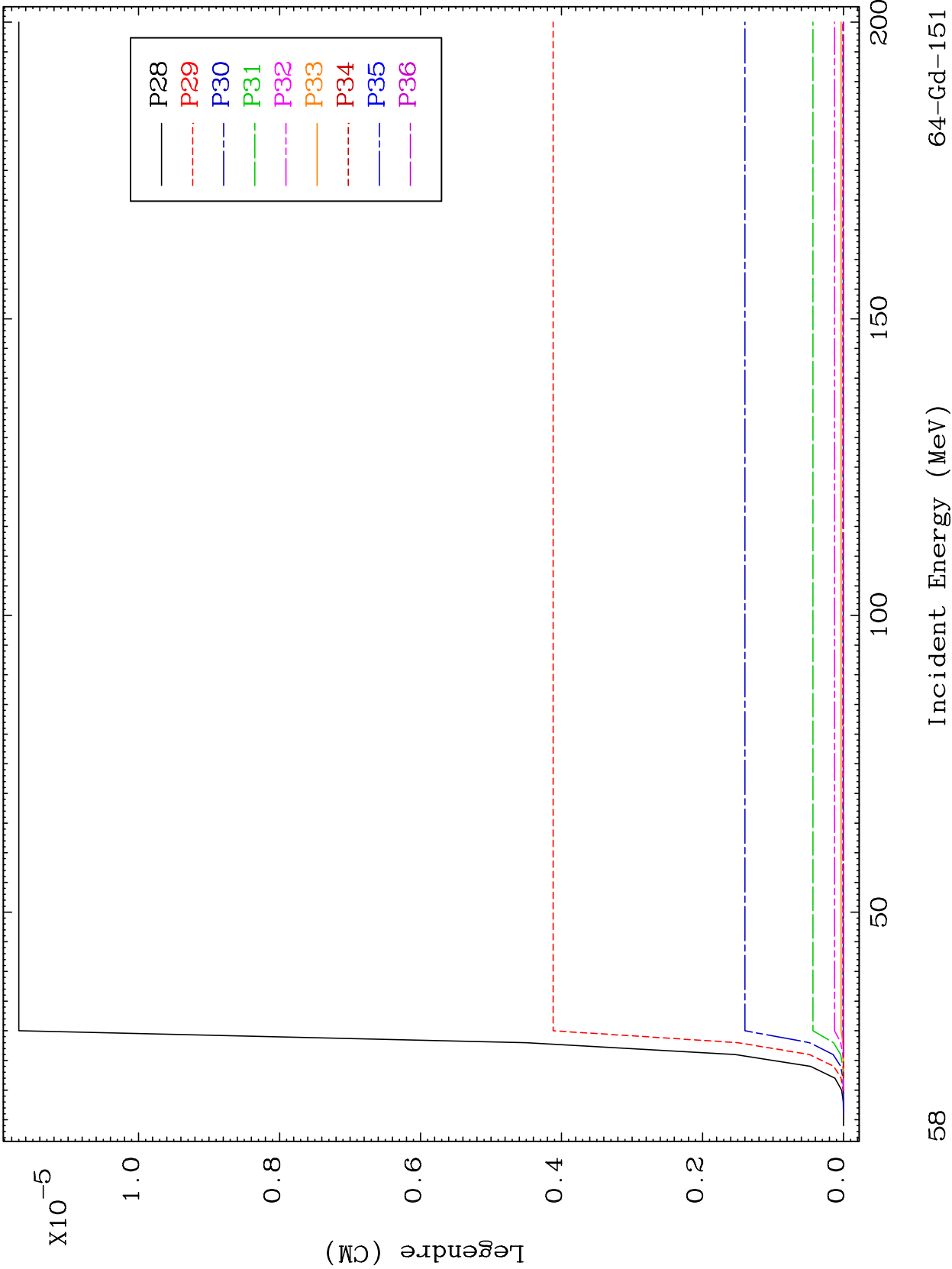
57

64-Gd-151

MAT 6422

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

64-Gd-151



58

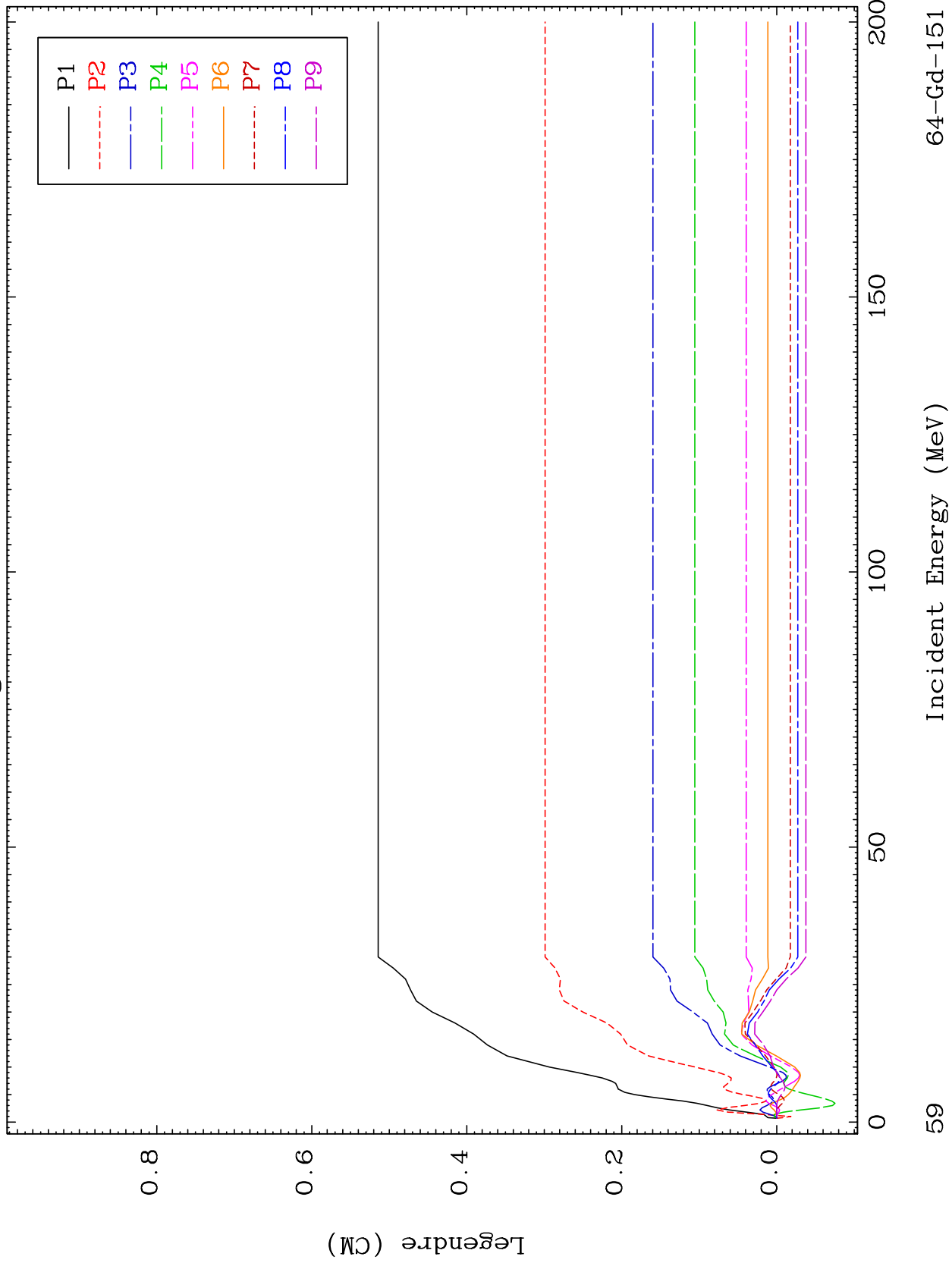
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



64-Gd-151

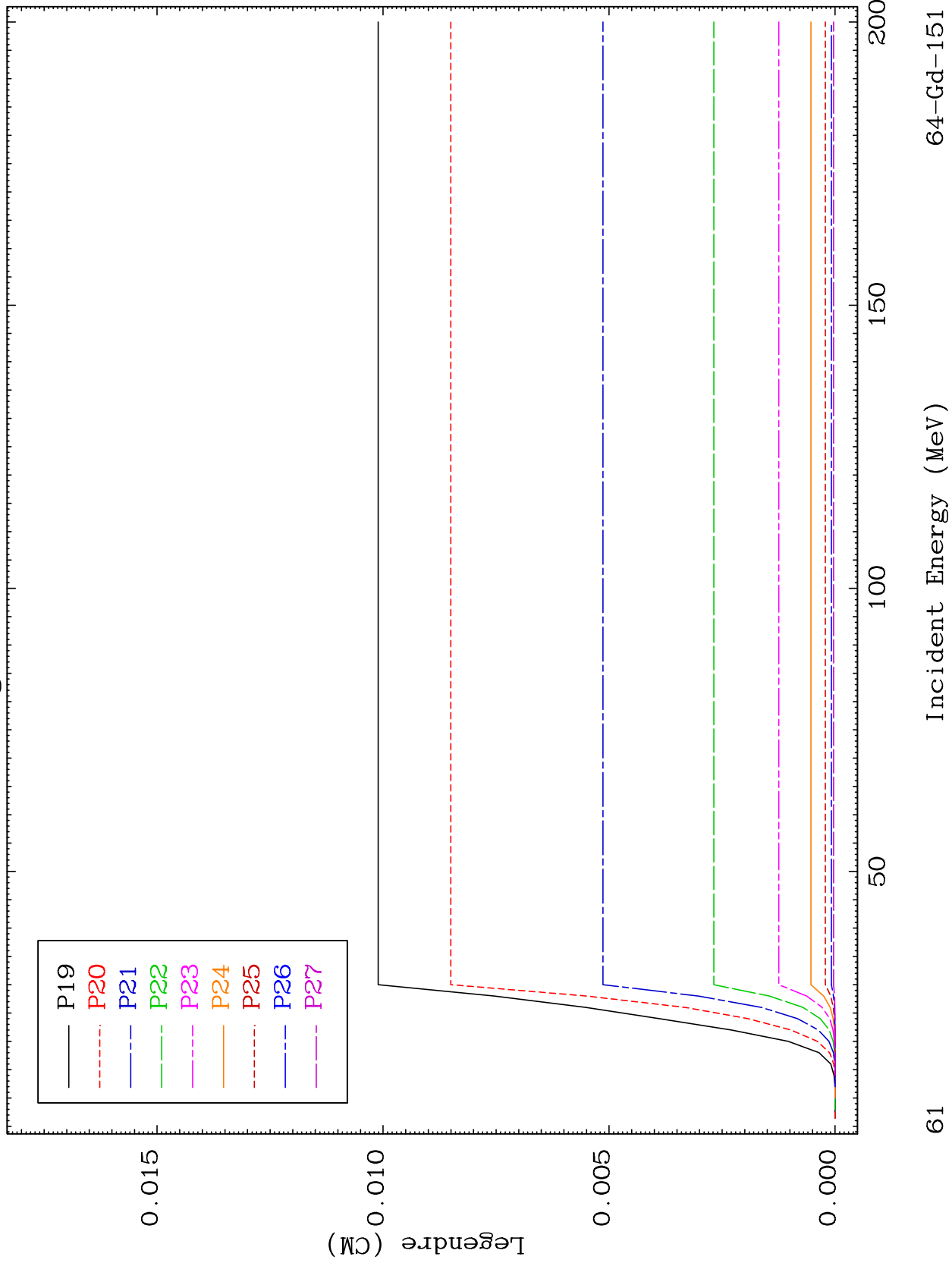
Incident Energy (MeV)

59

MAT 6422

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

64-Gd-151



61

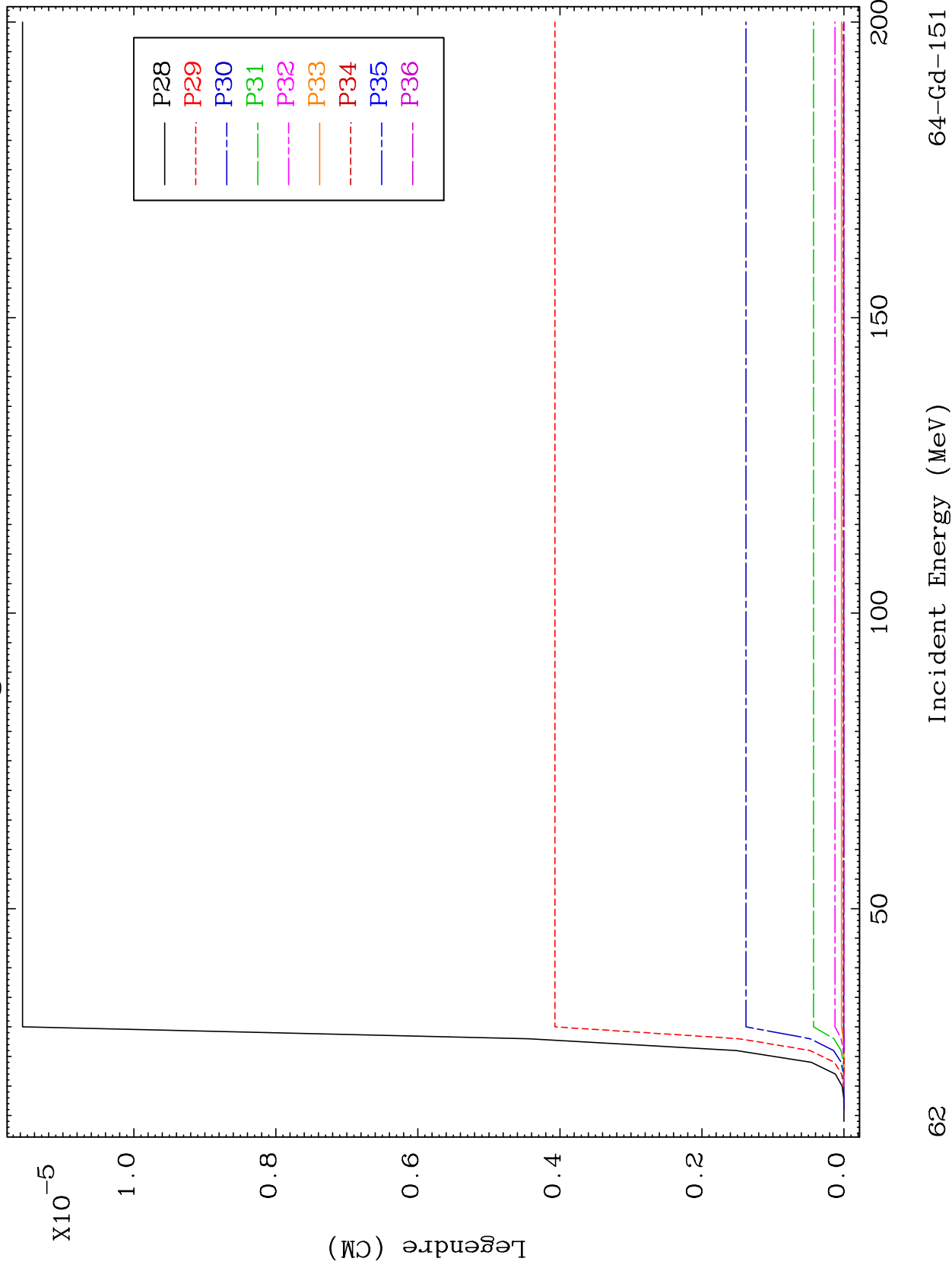
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



62

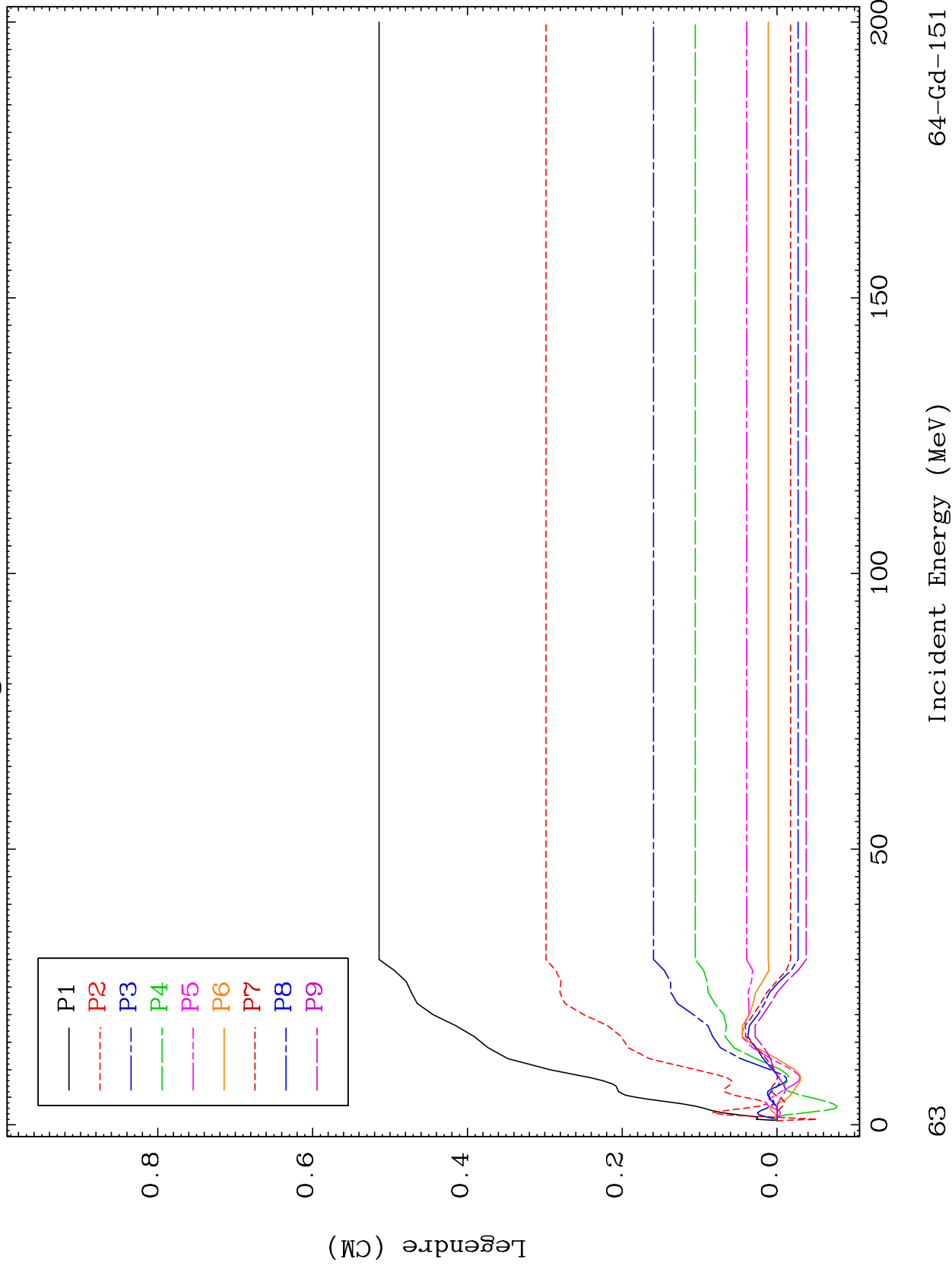
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



64-Gd-151

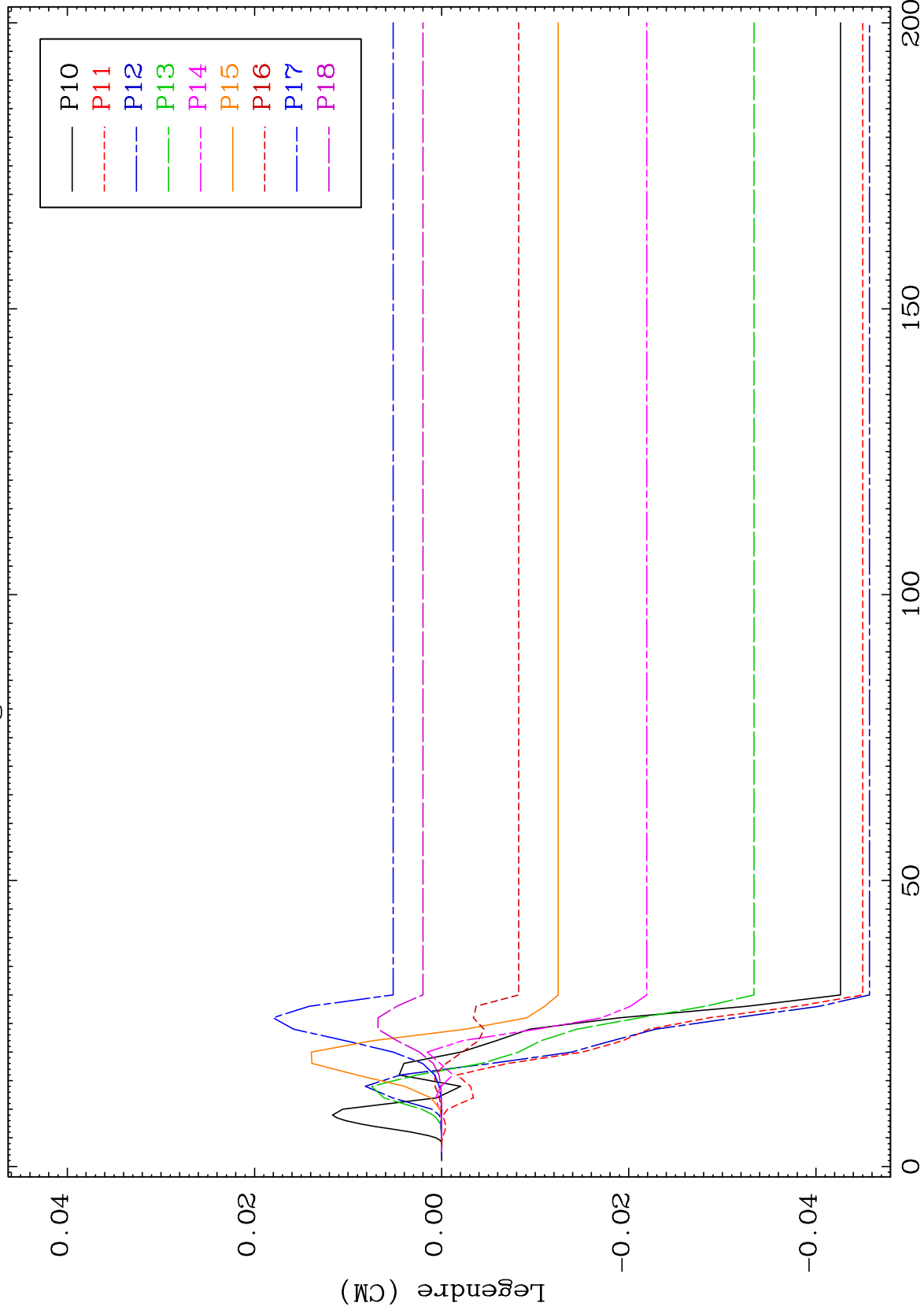
Incident Energy (MeV)

63

MAT 6422

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

64-Gd-151



64

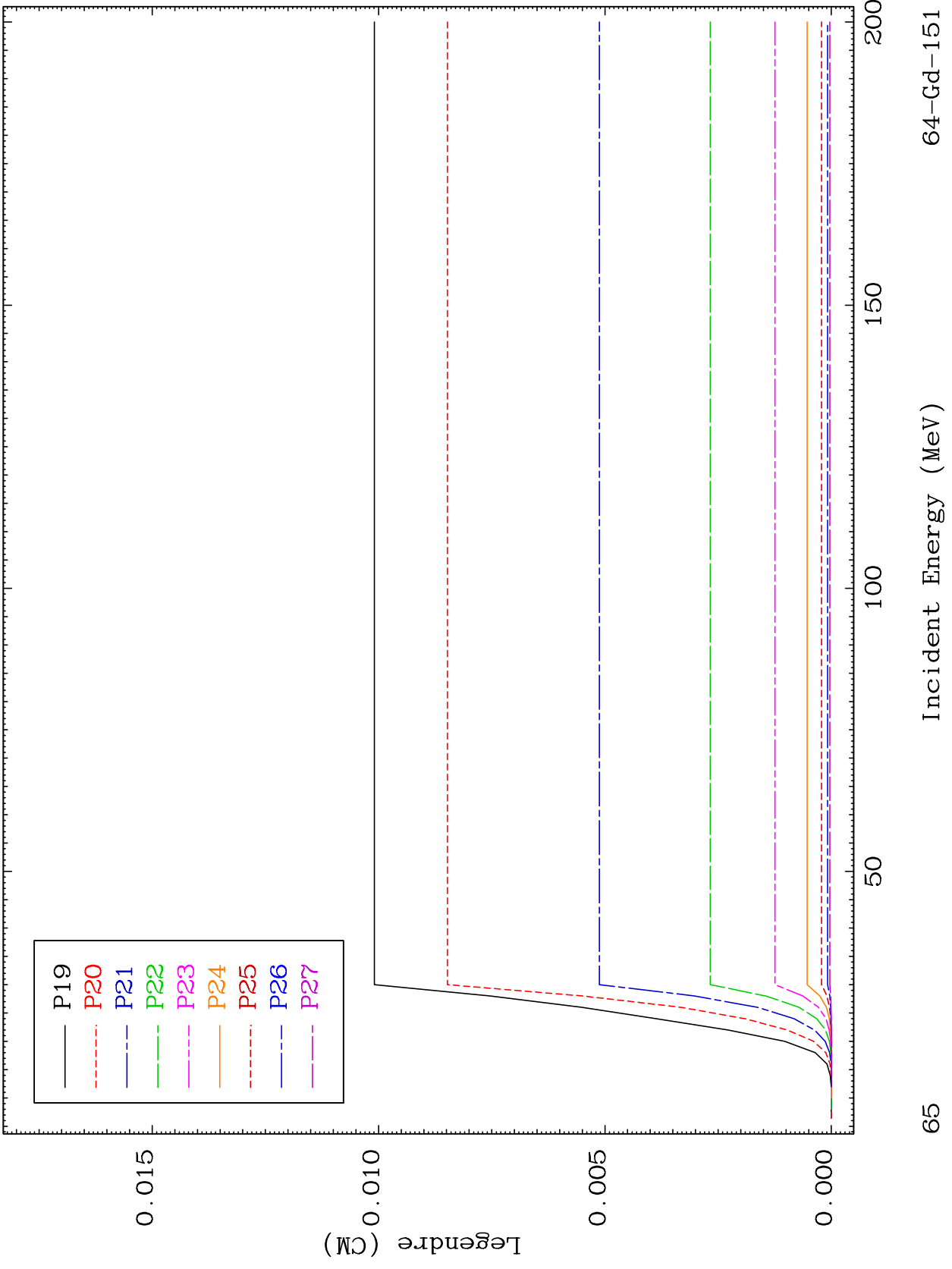
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



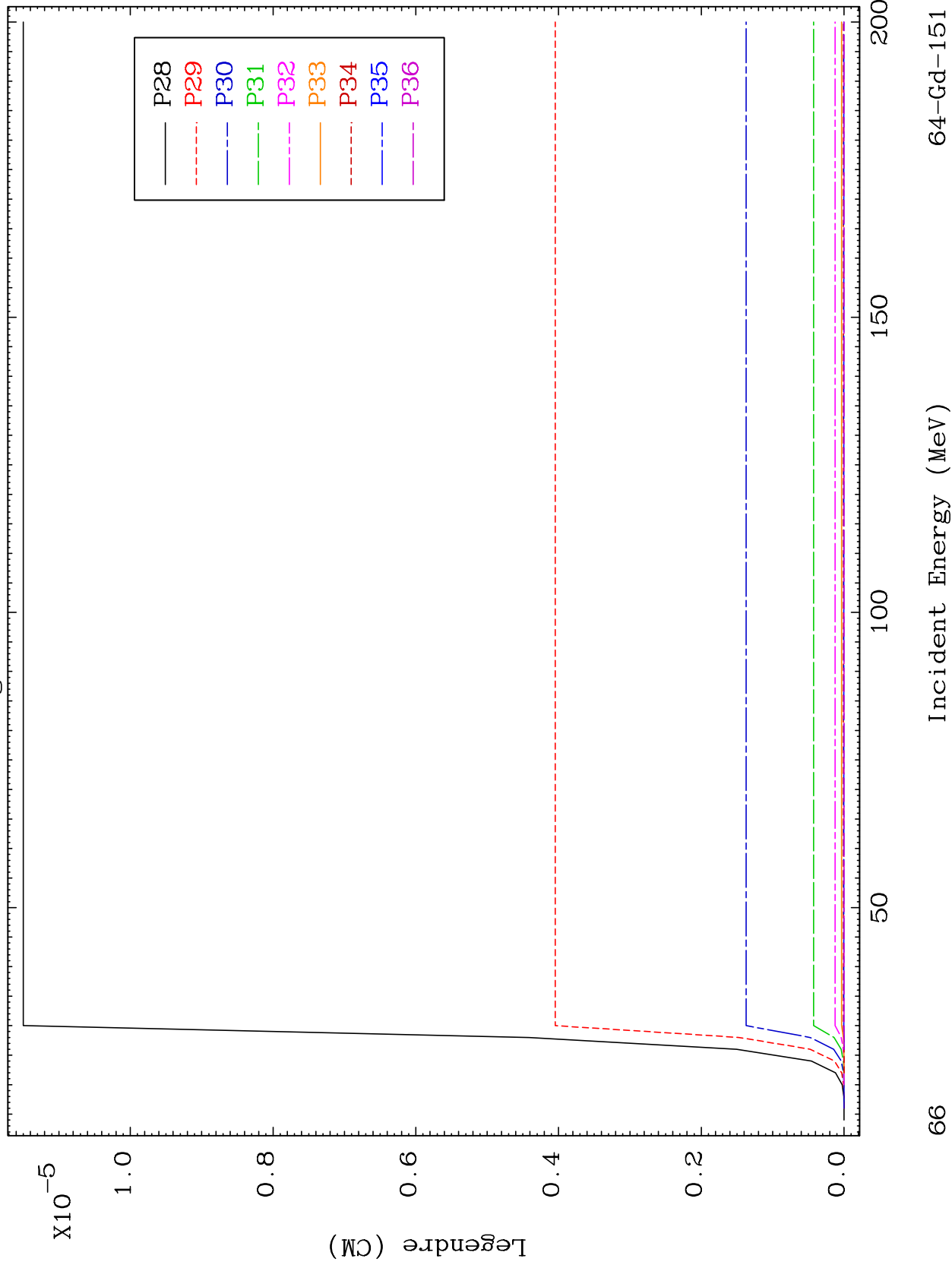
65

64-Gd-151

MAT 6422

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

64-Gd-151



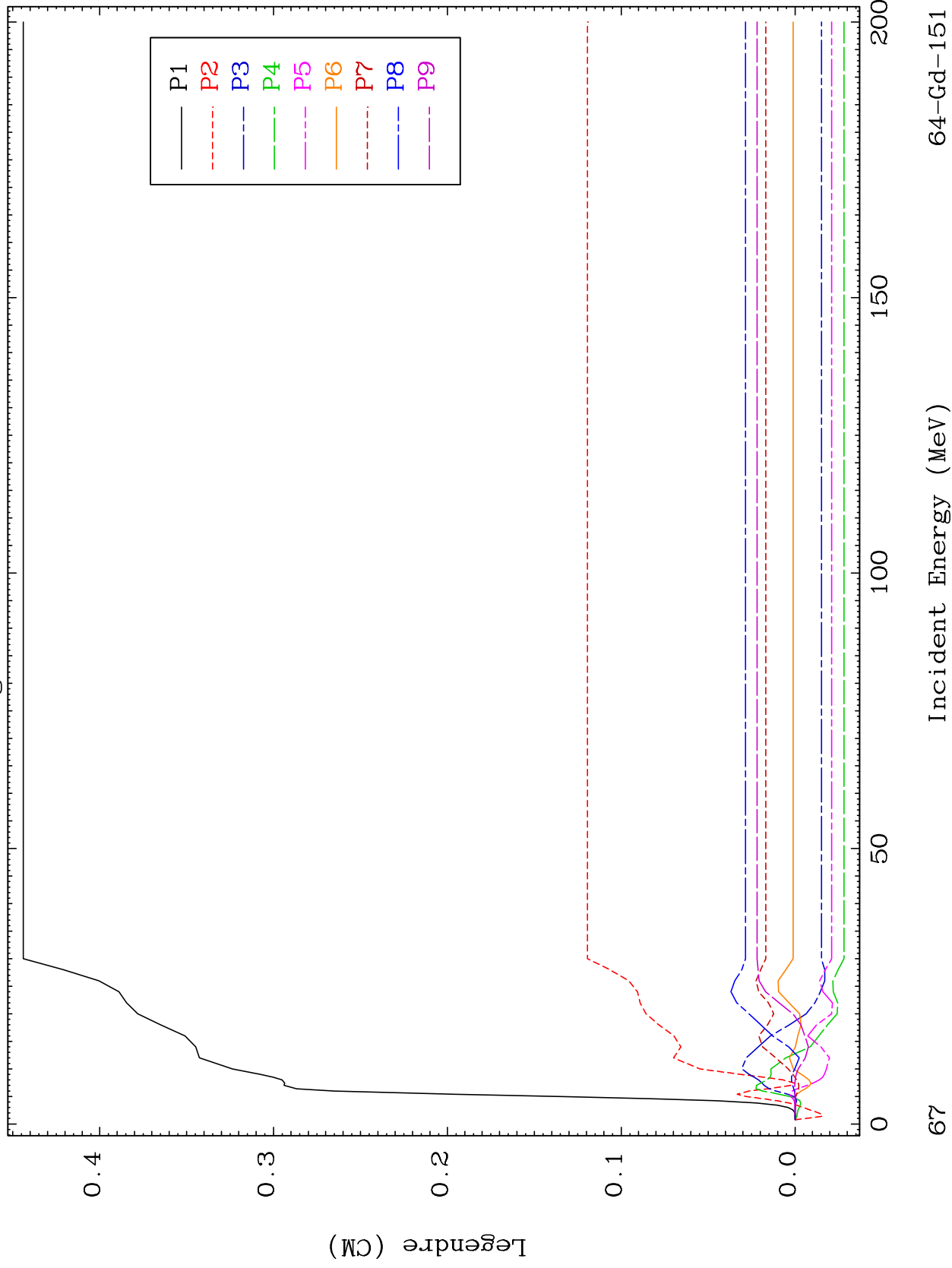
66

64-Gd-151

MAT 6422

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

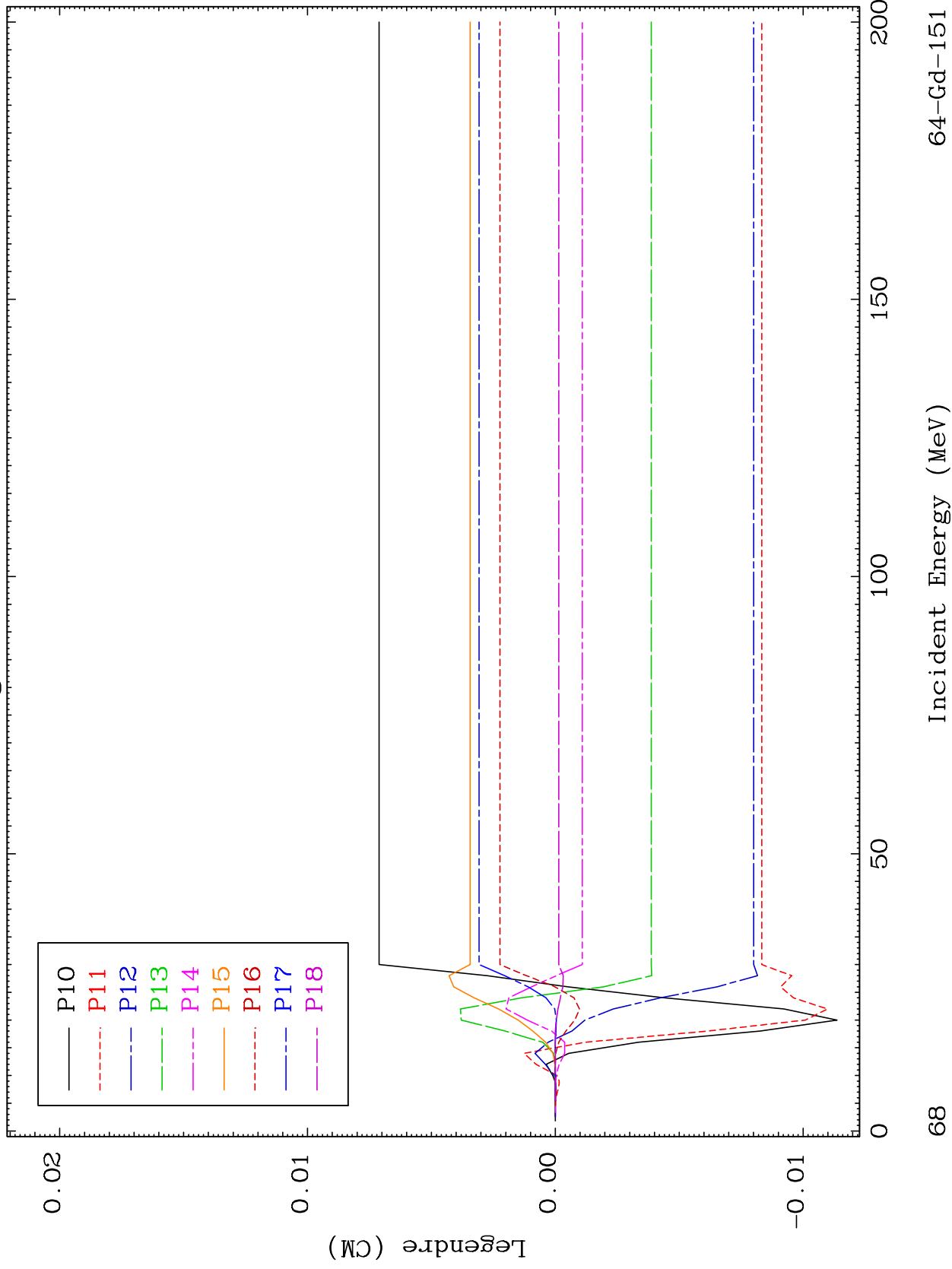
64-Gd-151



MAT 6422

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

64-Gd-151



64-Gd-151

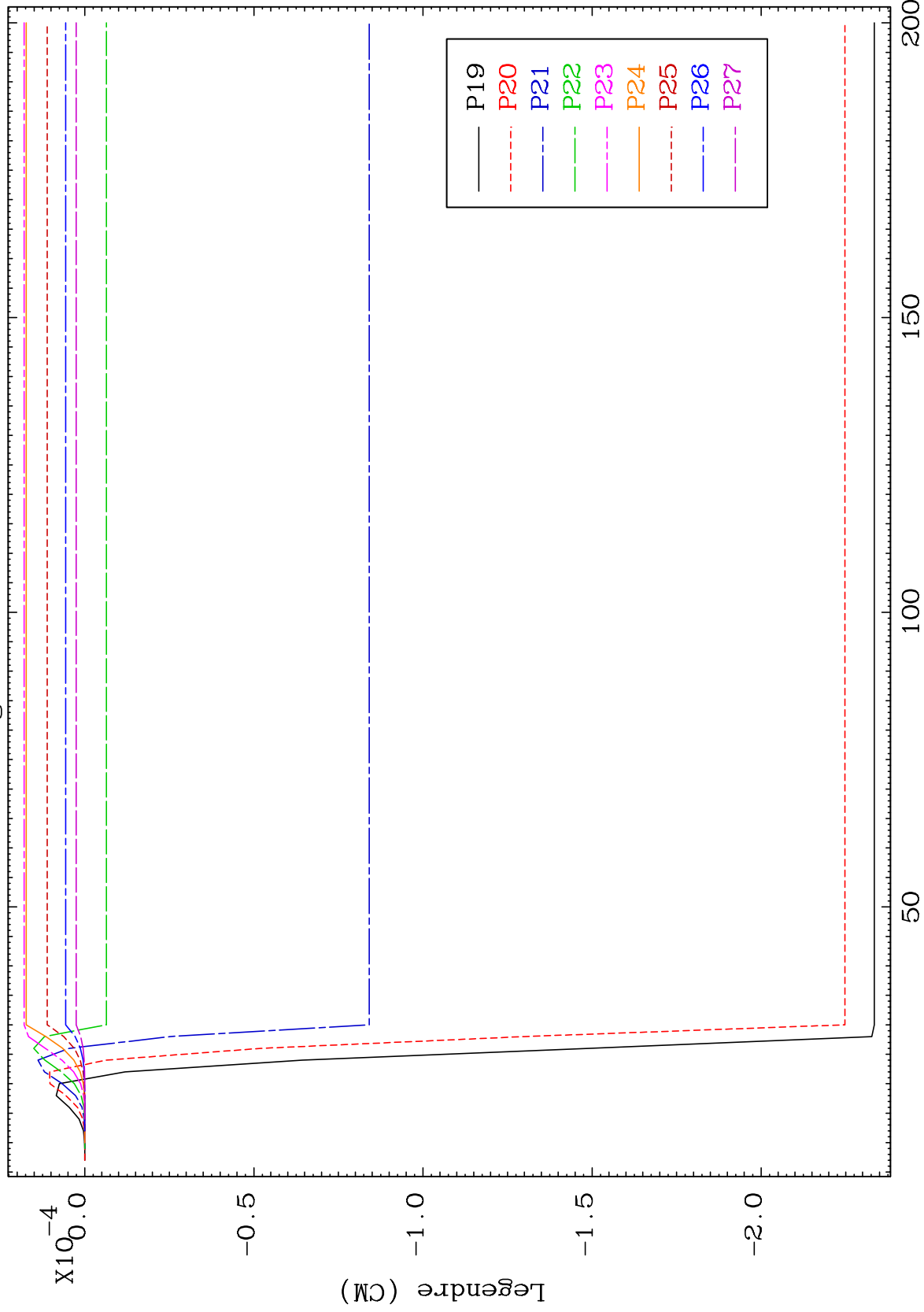
Incident Energy (MeV)

68

MAT 6422

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

64-Gd-151



69

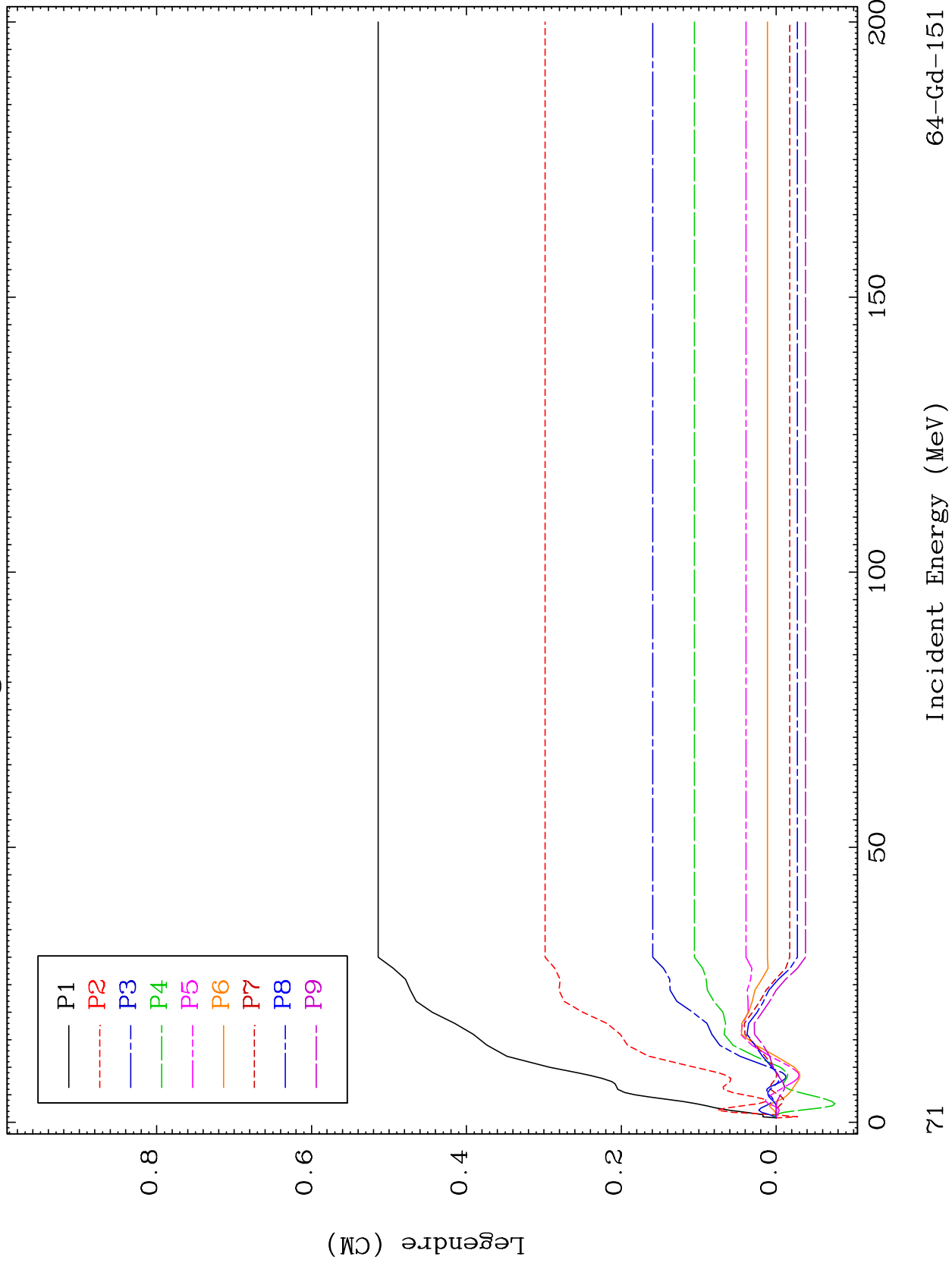
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



64-Gd-151

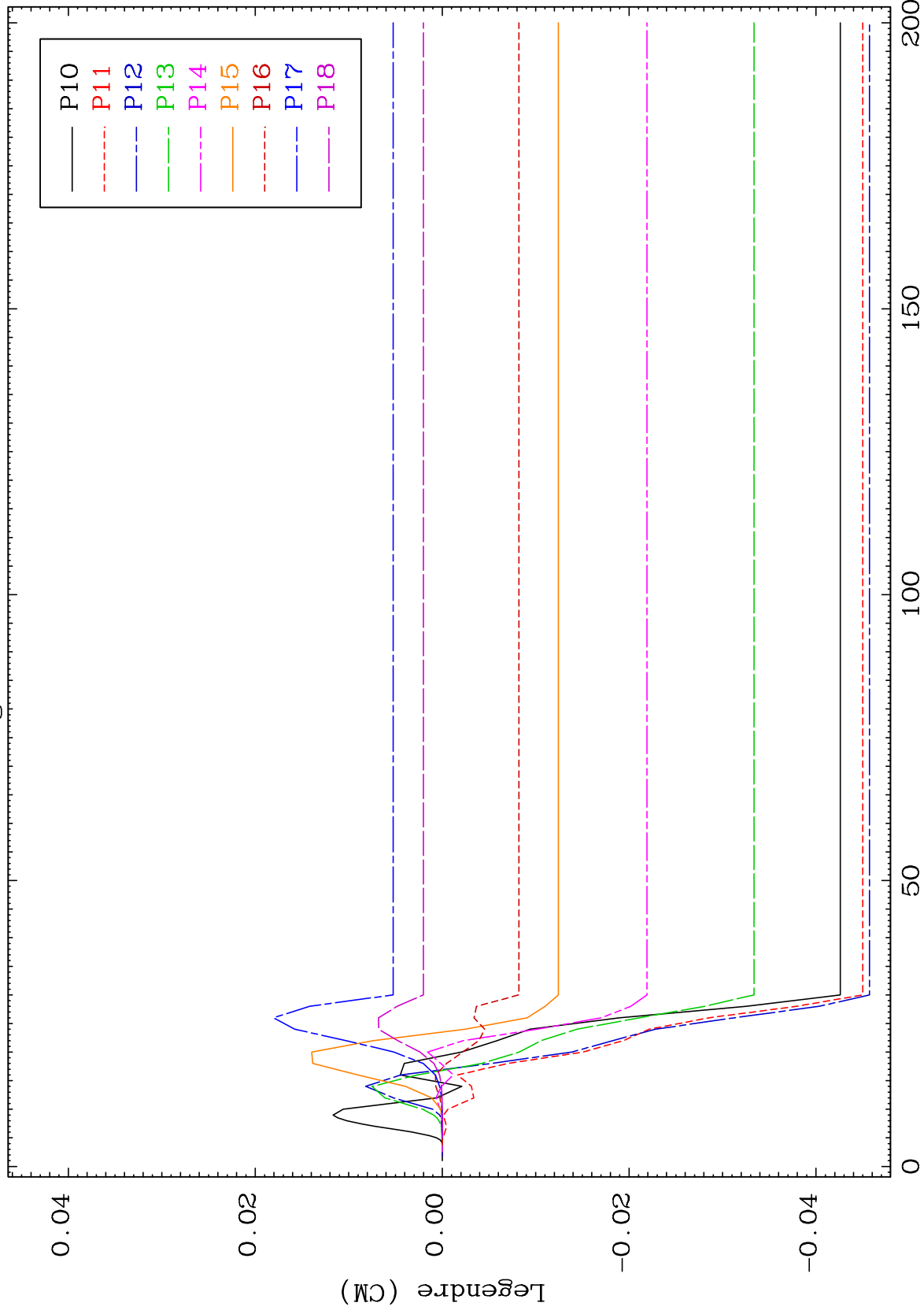
Incident Energy (MeV)

71

MAT 6422

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

64-Gd-151



72

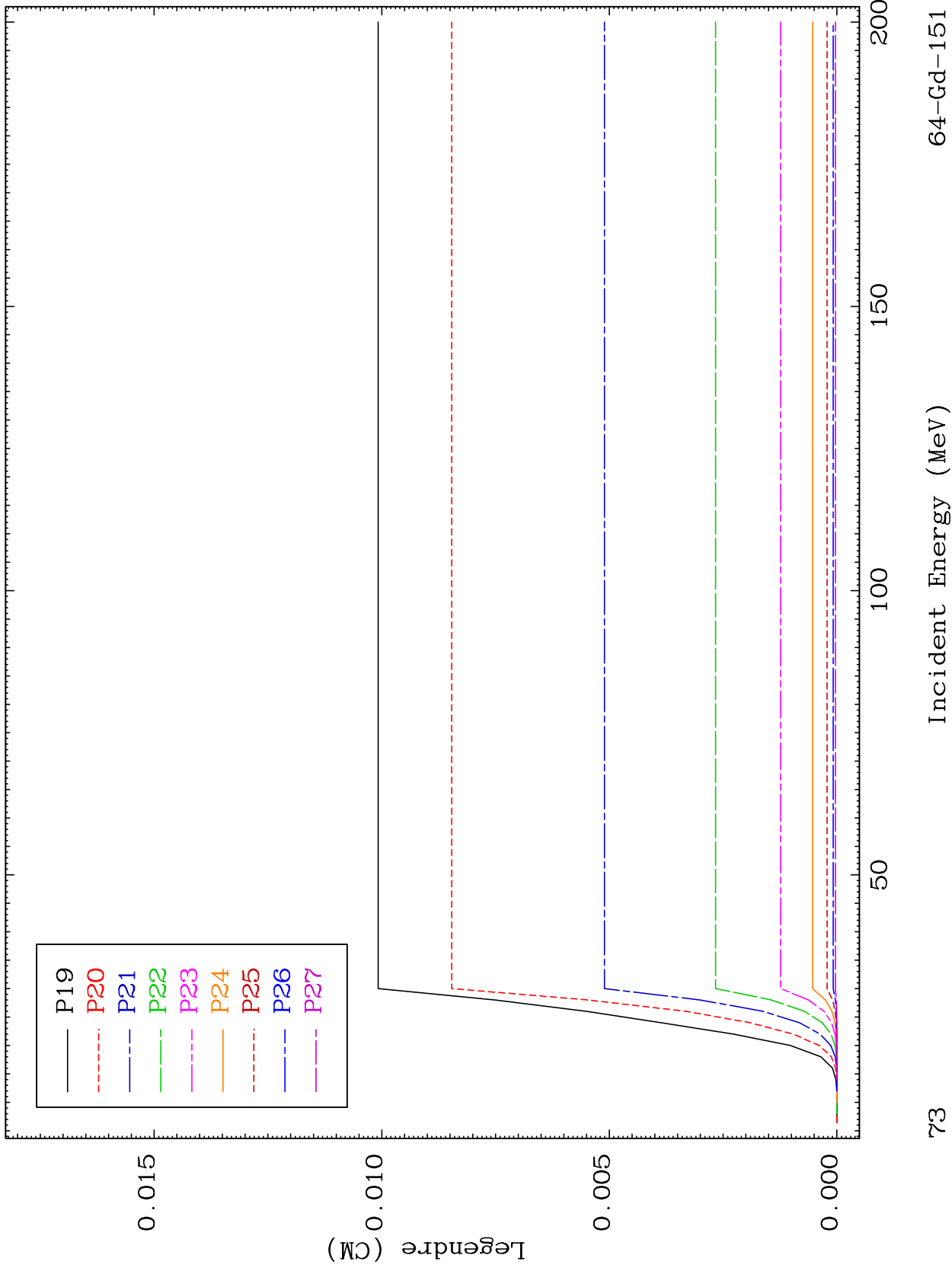
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



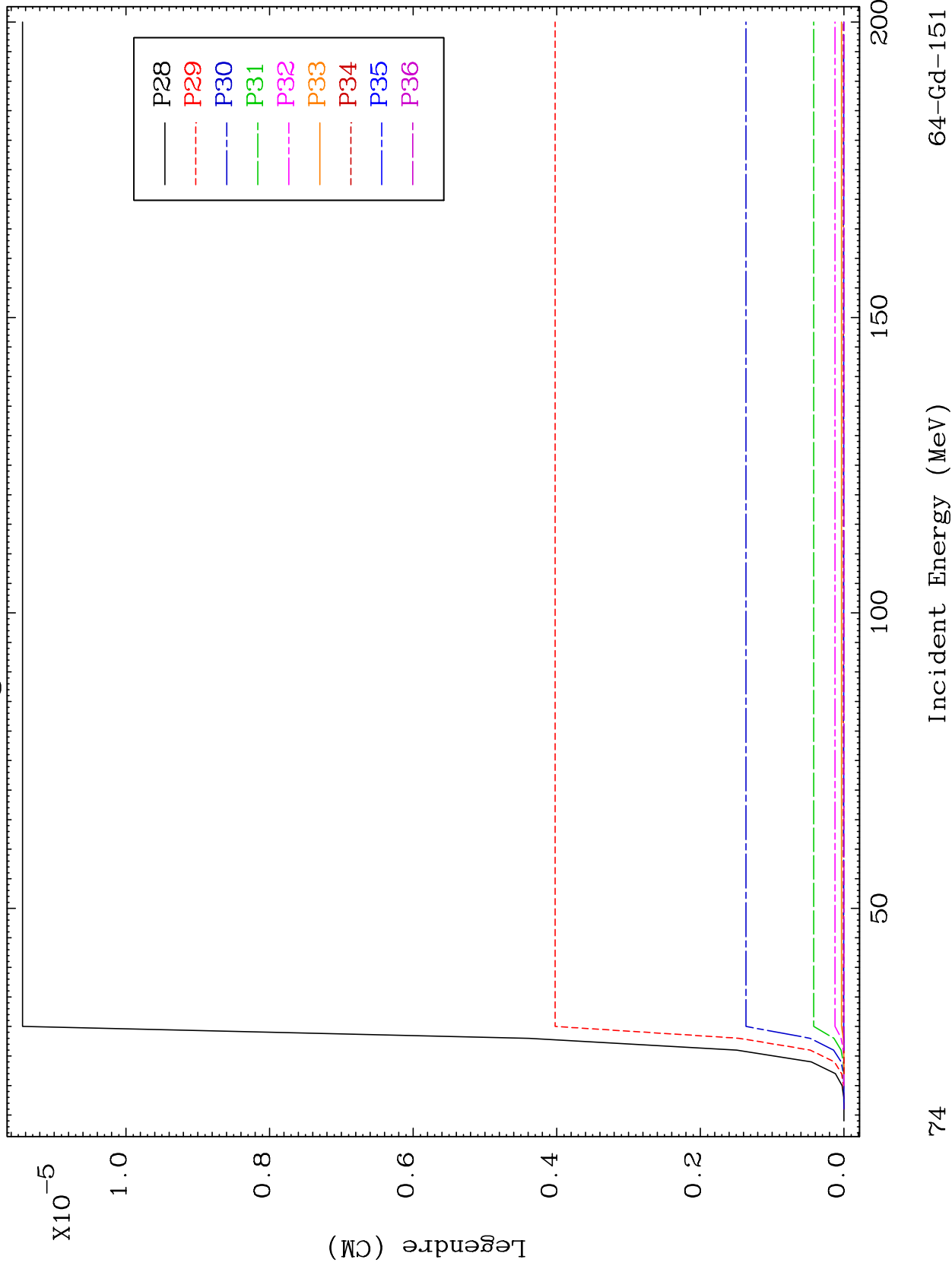
73

64-Gd-151

MAT 6422

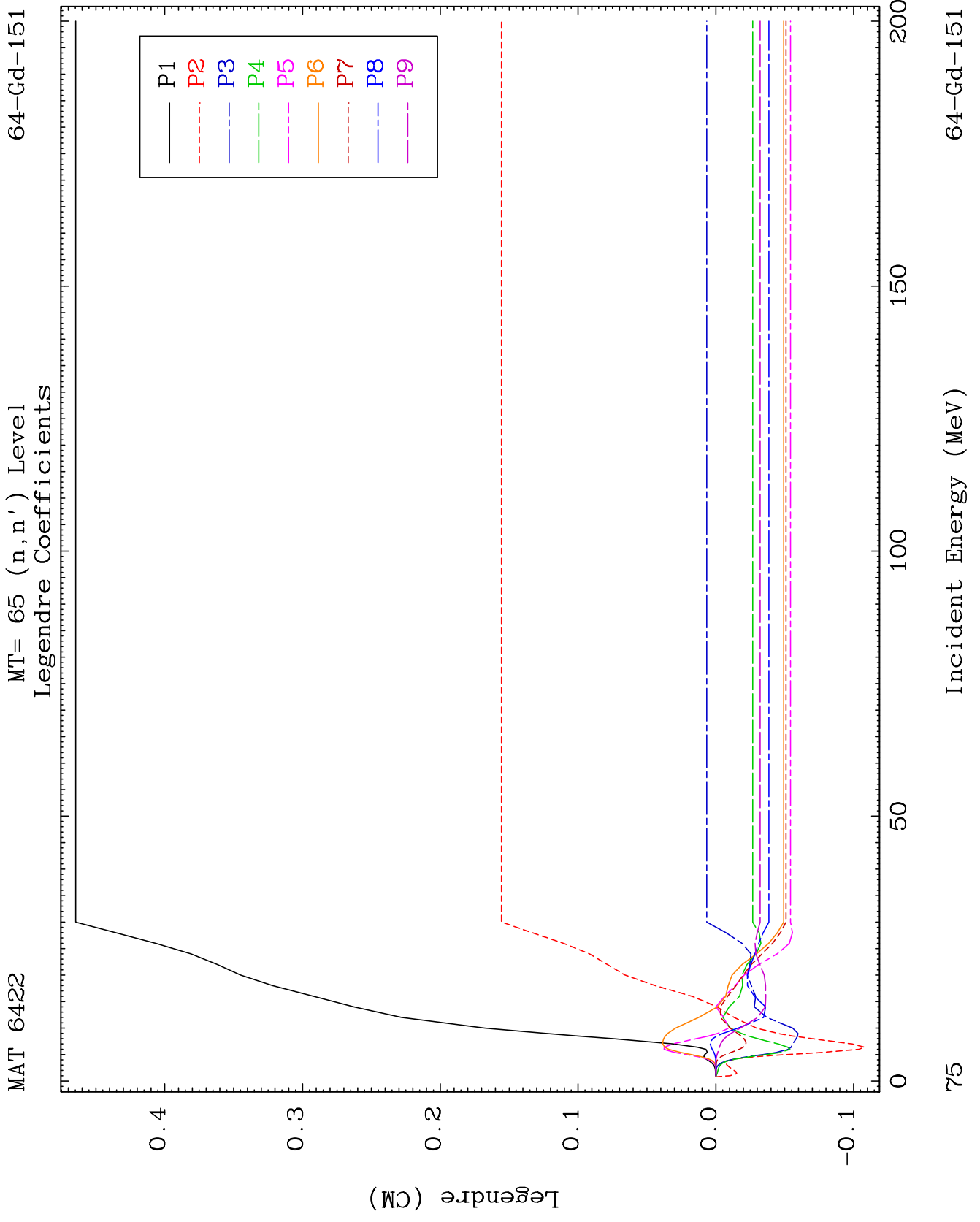
MT= 64 (n,n') Level
Legendre Coefficients

64-Gd-151



74

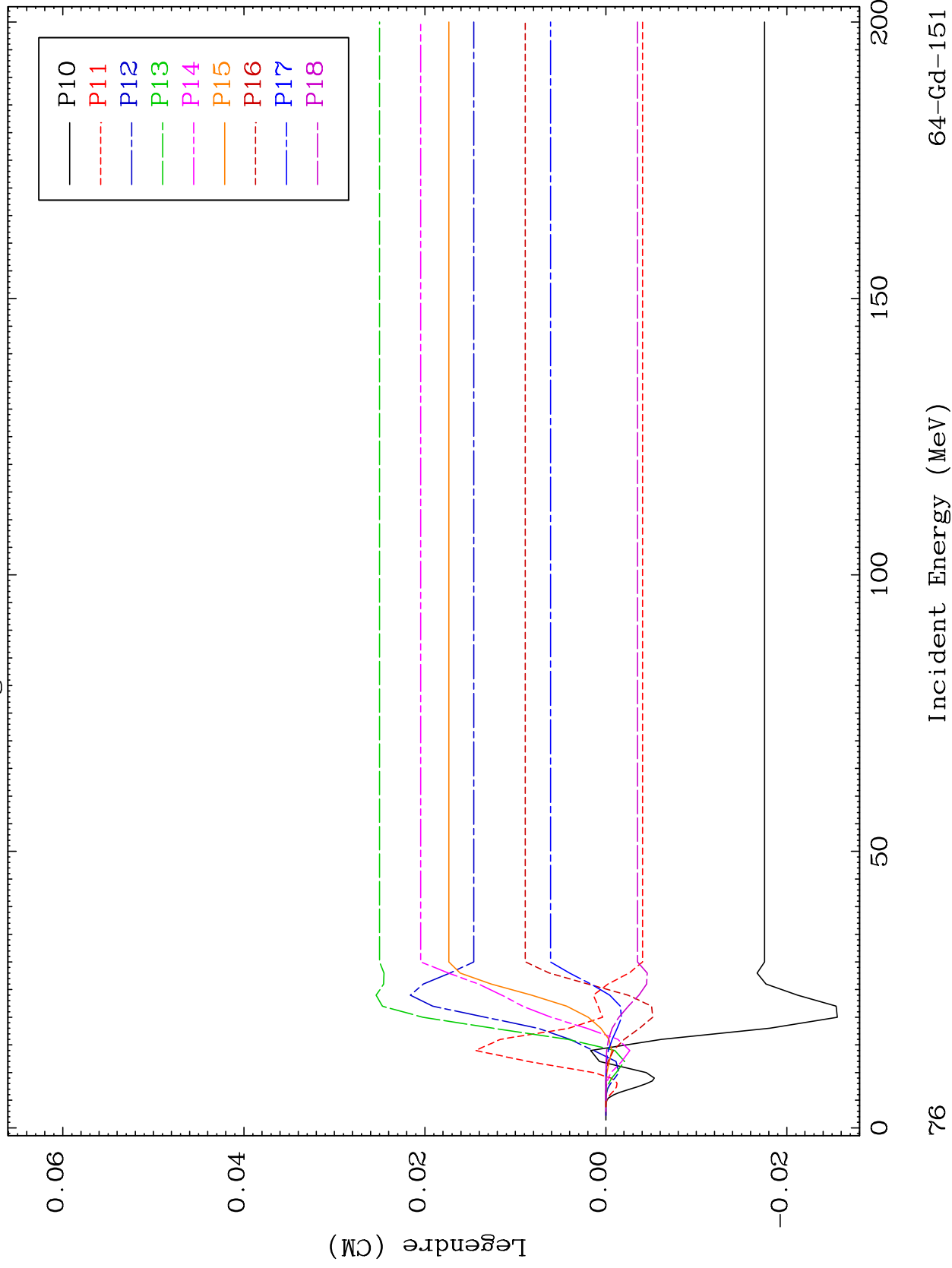
64-Gd-151



MAT 6422

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

64-Gd-151



64-Gd-151

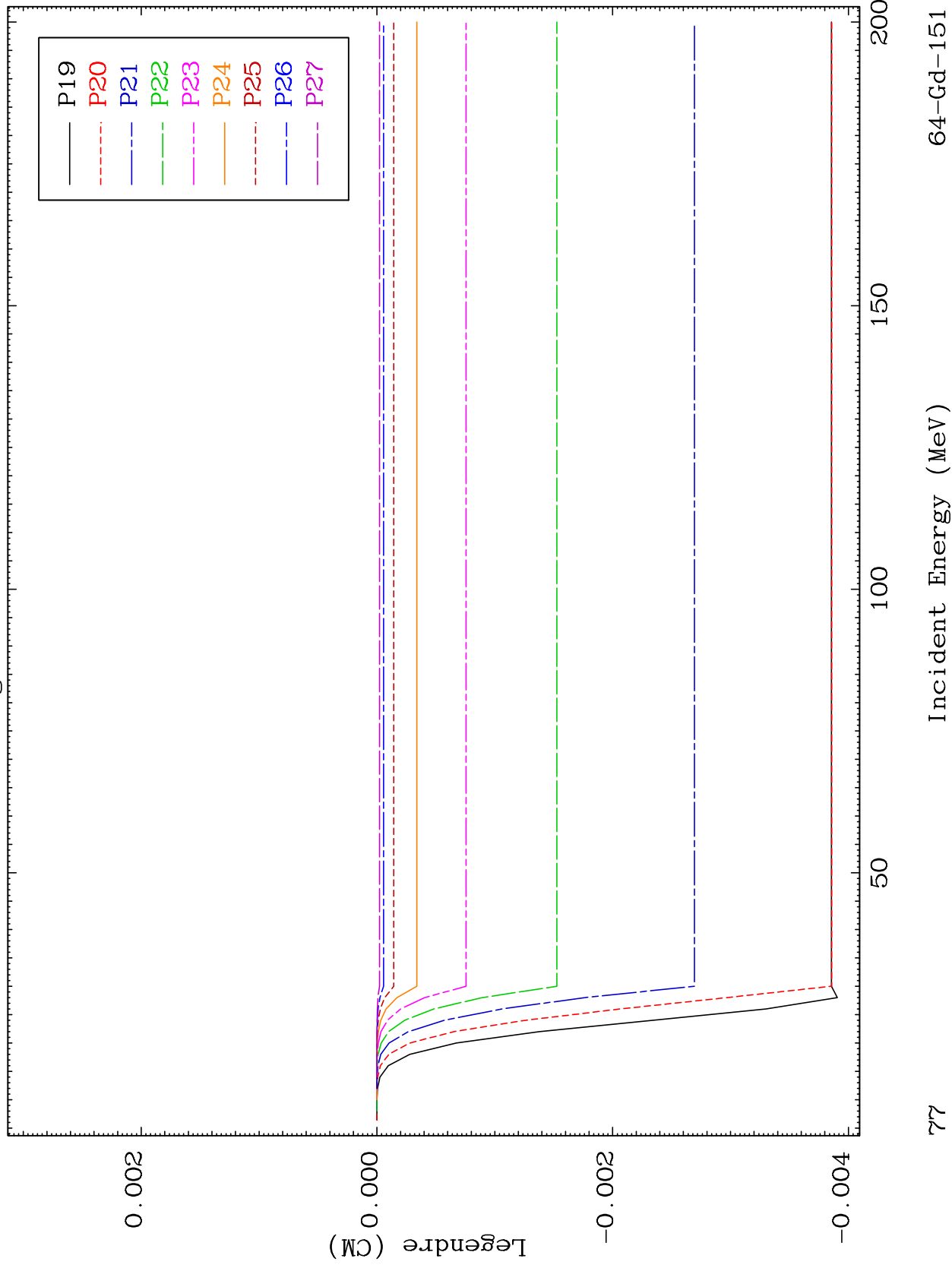
Incident Energy (MeV)

76

MAT 6422

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

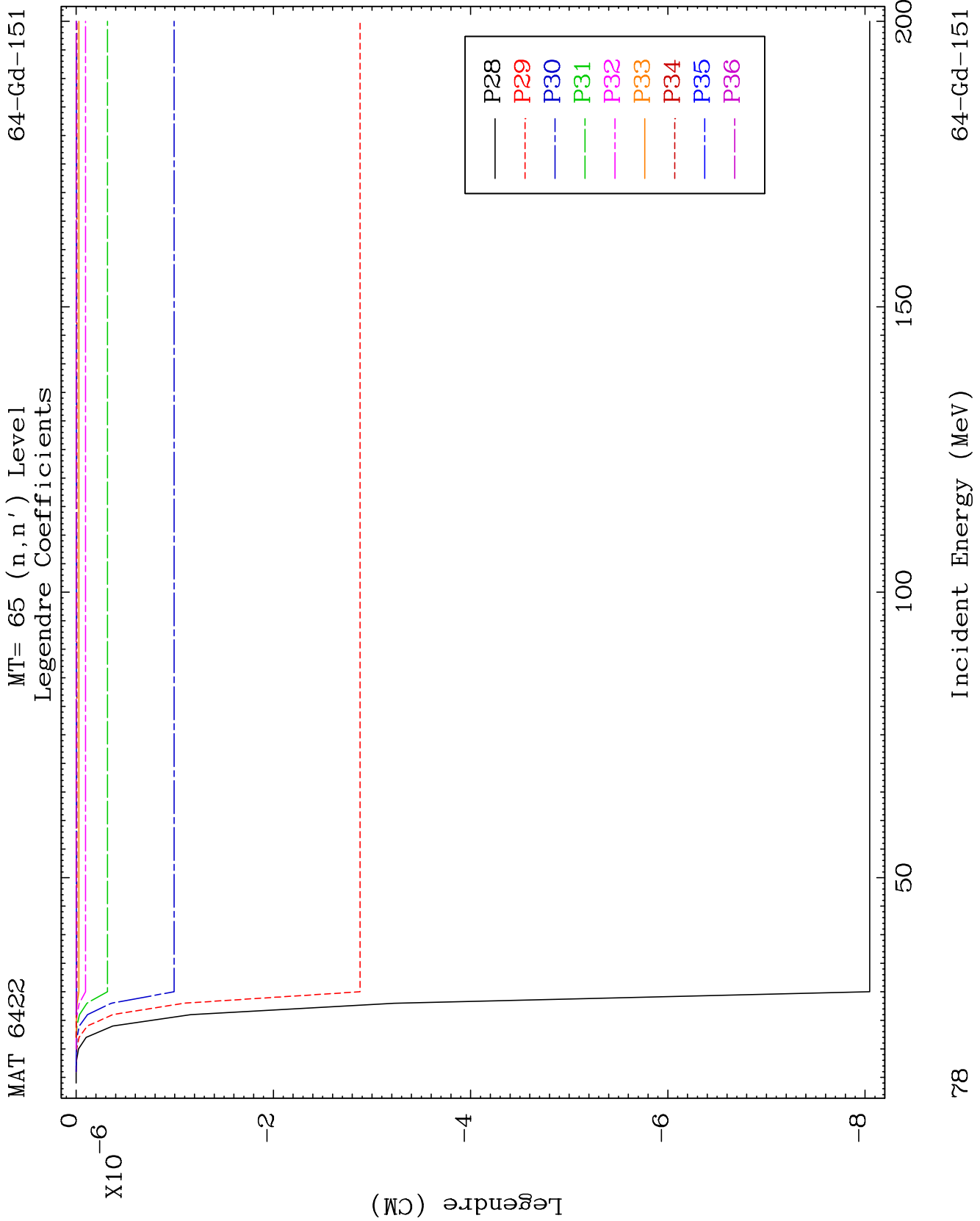
64-Gd-151



77

Incident Energy (MeV)

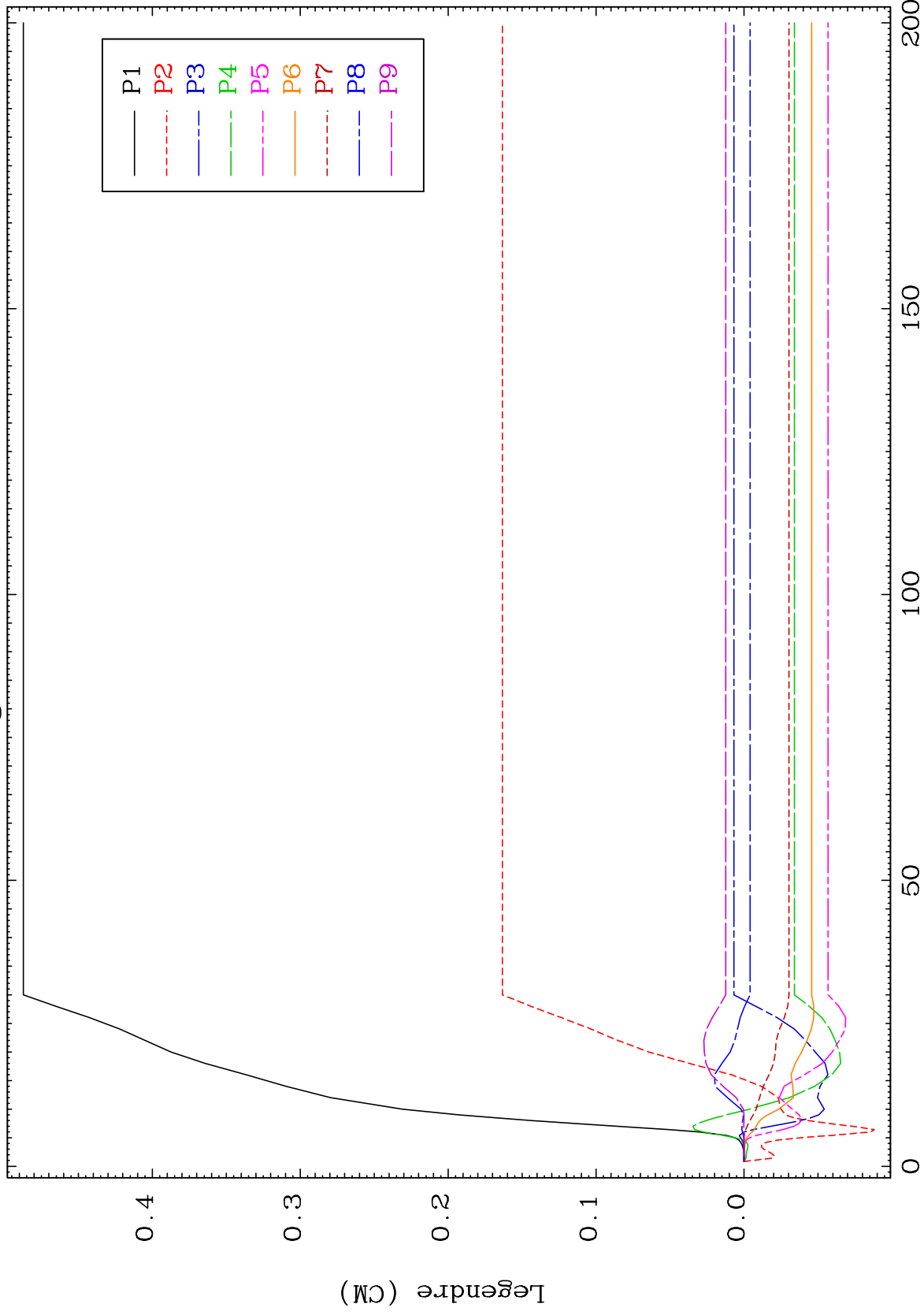
64-Gd-151



MAT 6422

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

64-Gd-151



79

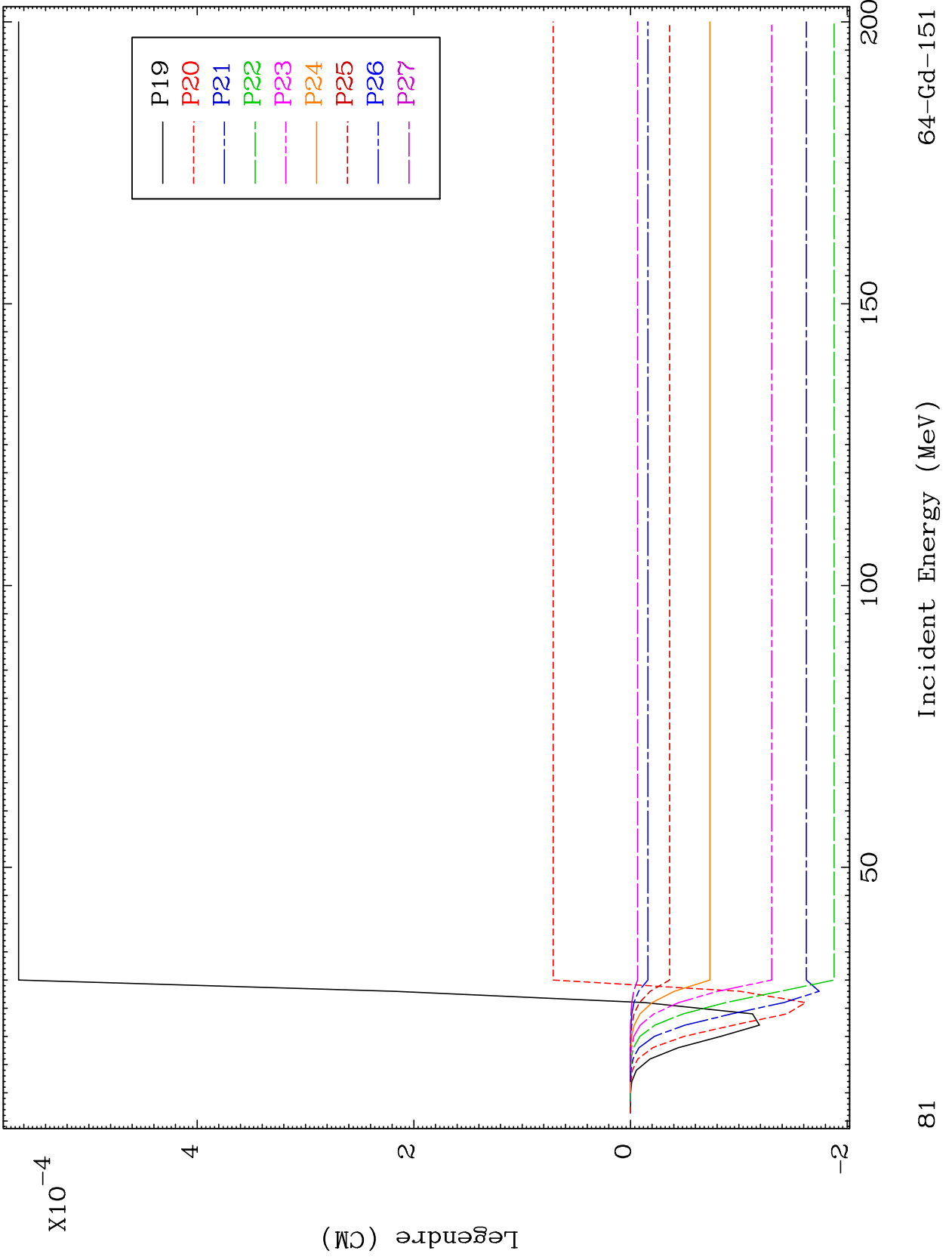
Incident Energy (MeV)

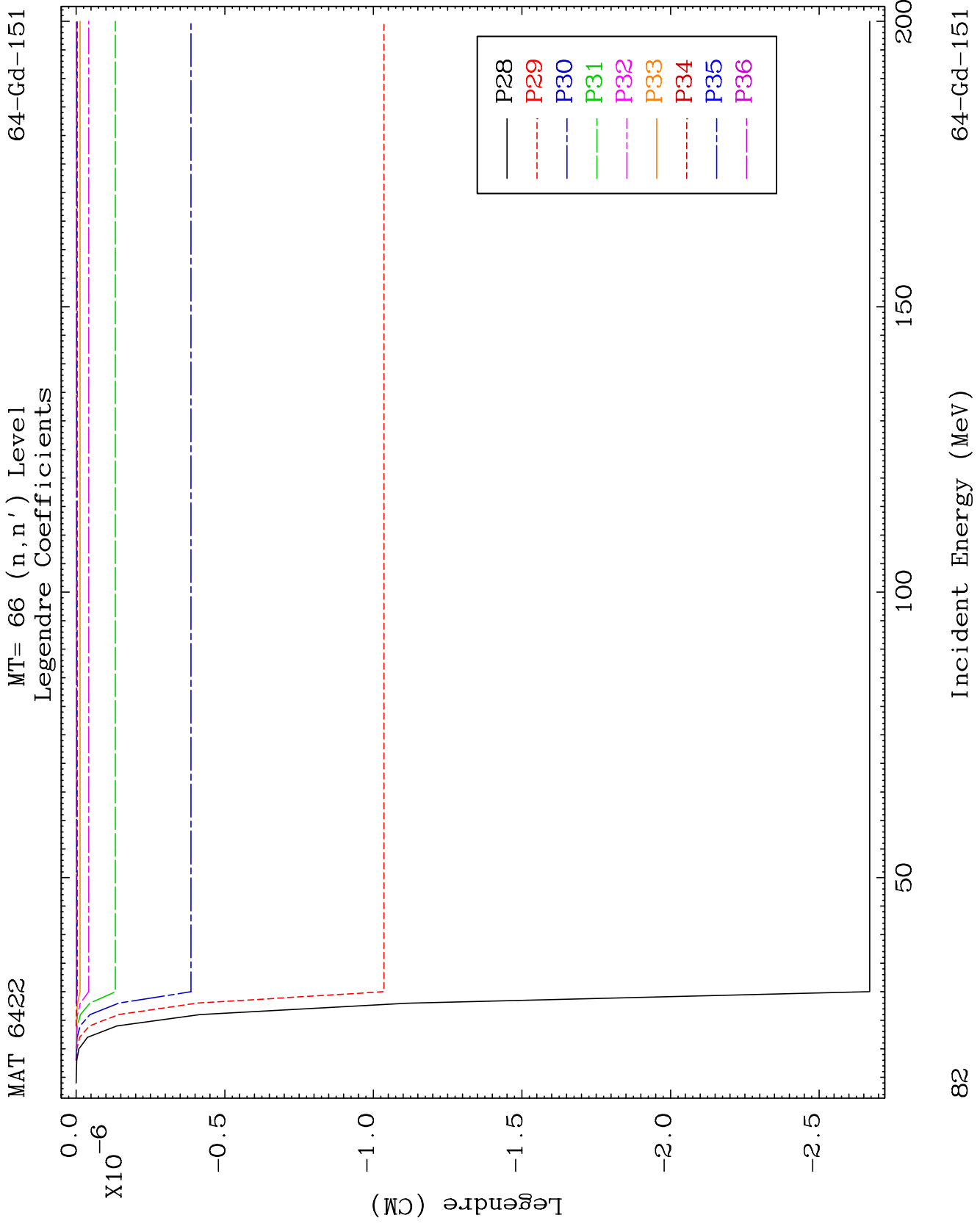
64-Gd-151

MAT 6422

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

64-Gd-151

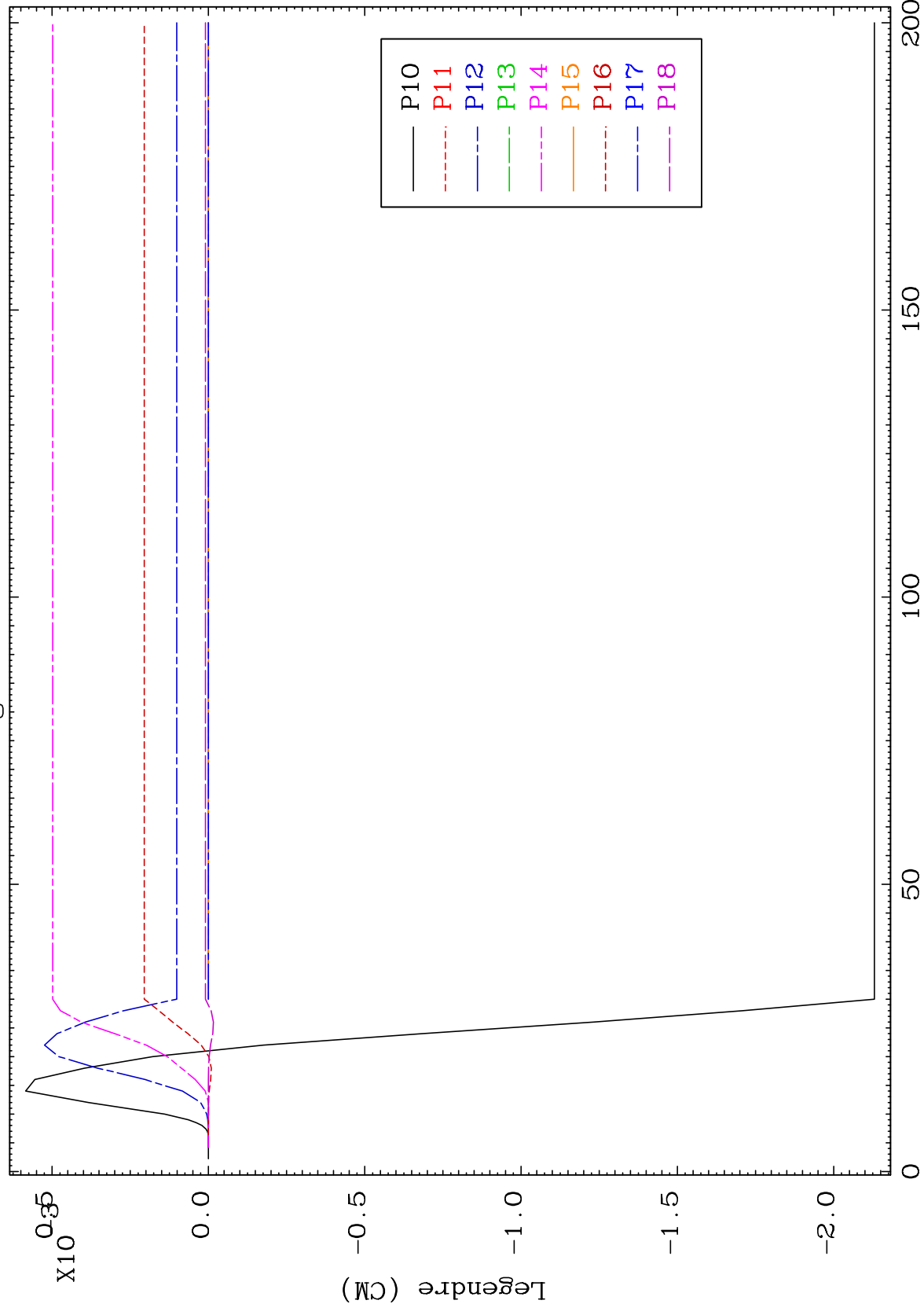




MAT 6422

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

64-Gd-151



84

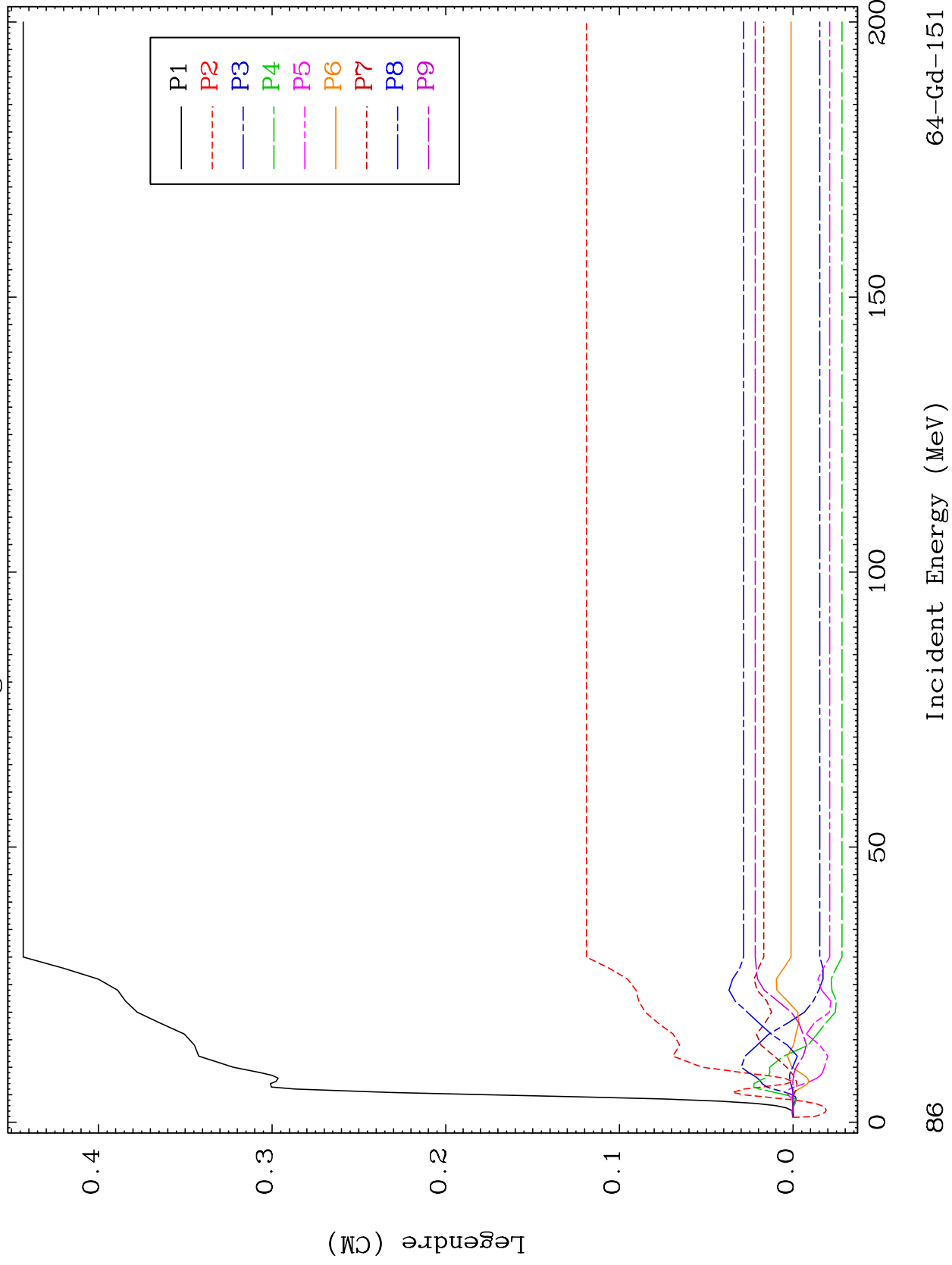
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



64-Gd-151

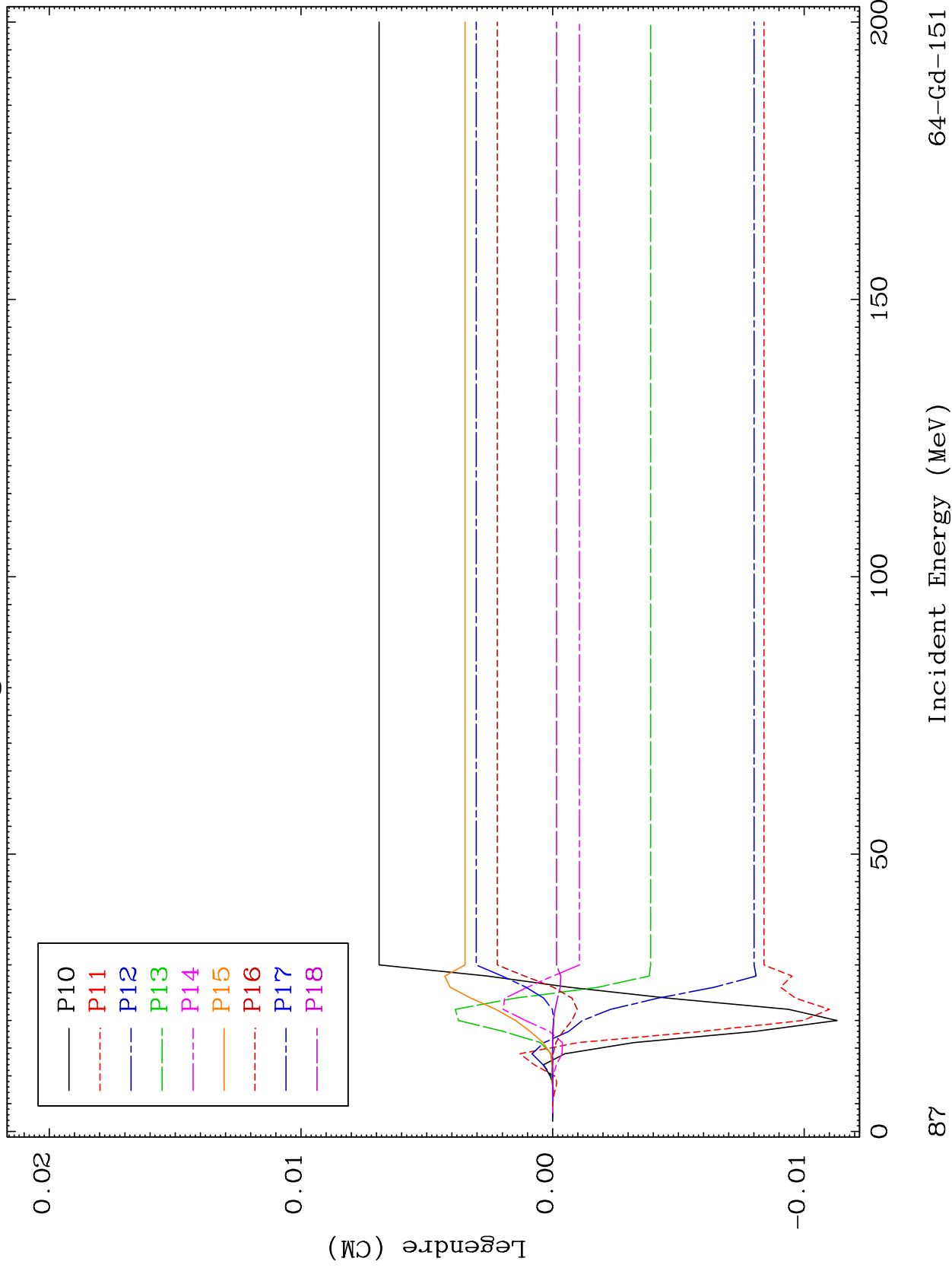
Incident Energy (MeV)

86

MAT 6422

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

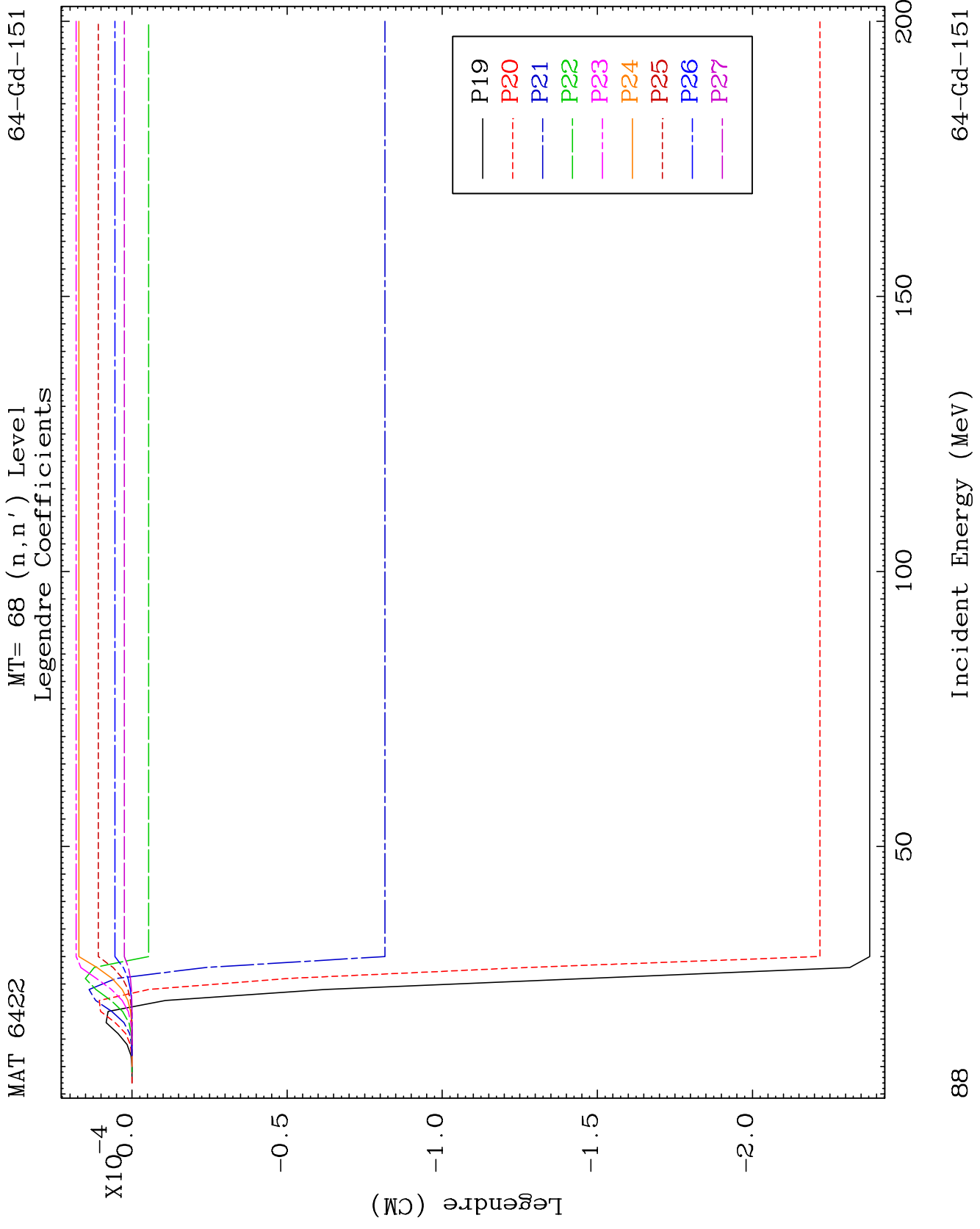
64-Gd-151



87

Incident Energy (MeV)

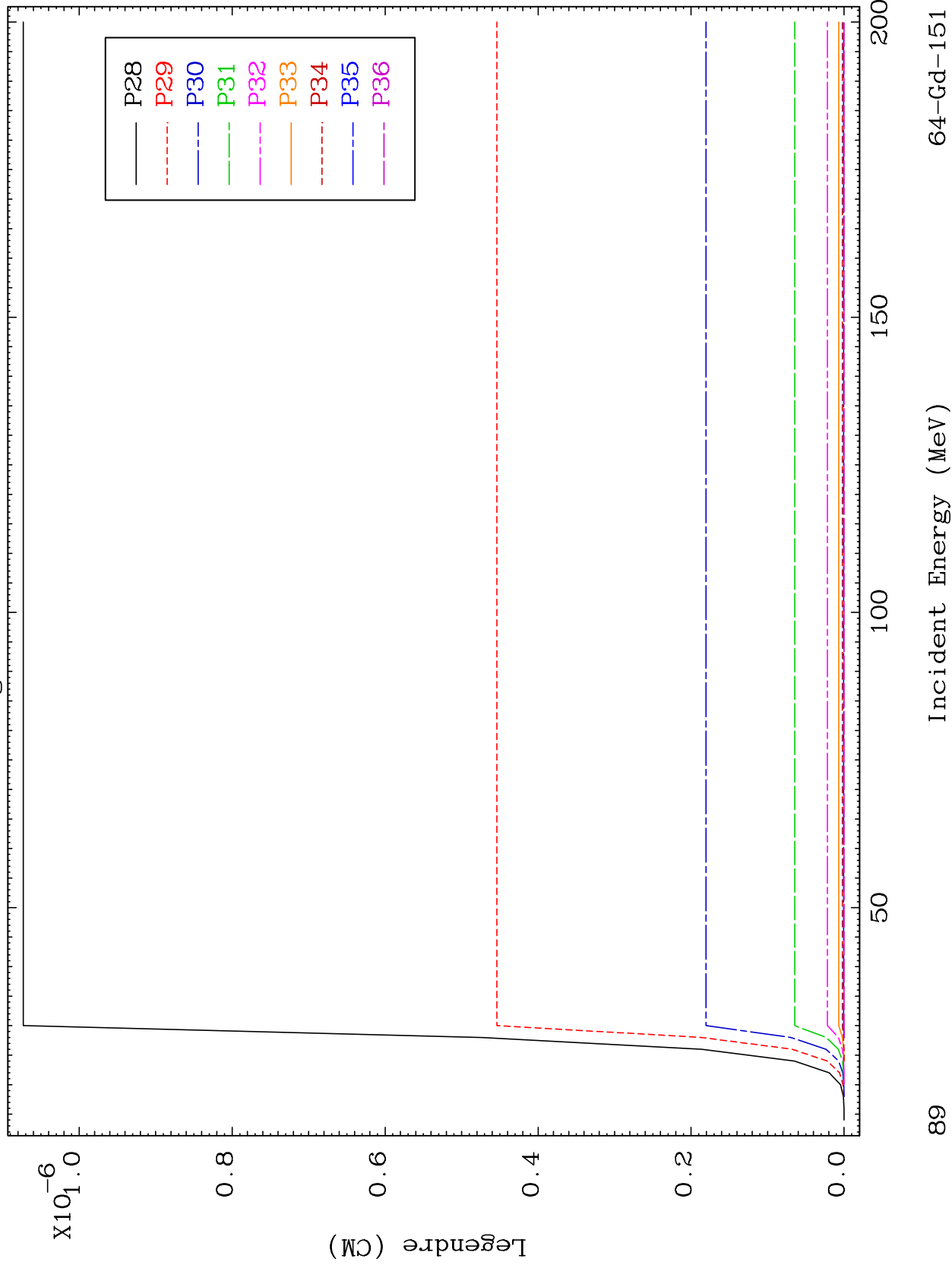
64-Gd-151



MAT 6422

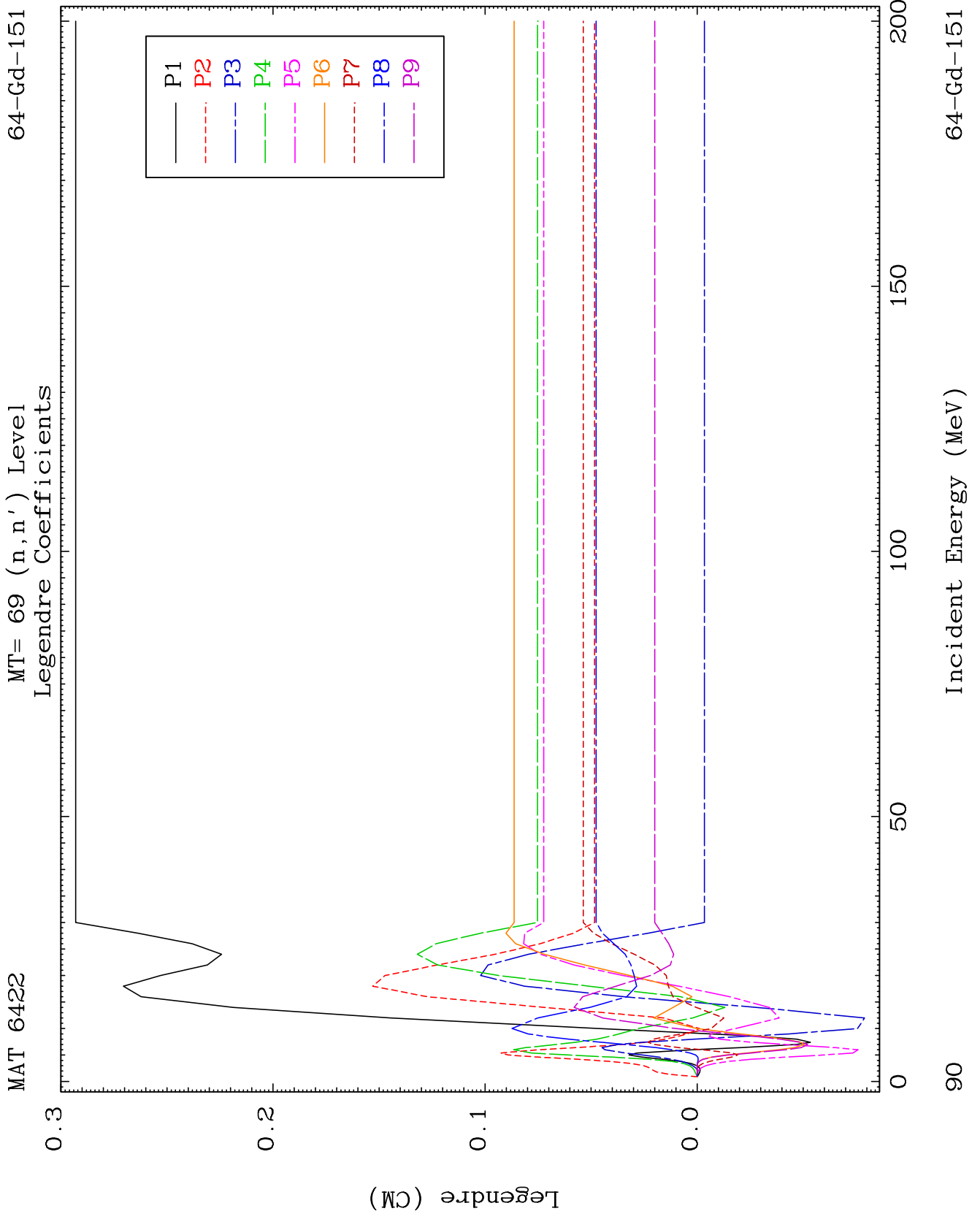
MT= 68 (n,n') Level
Legendre Coefficients

64-Gd-151



89

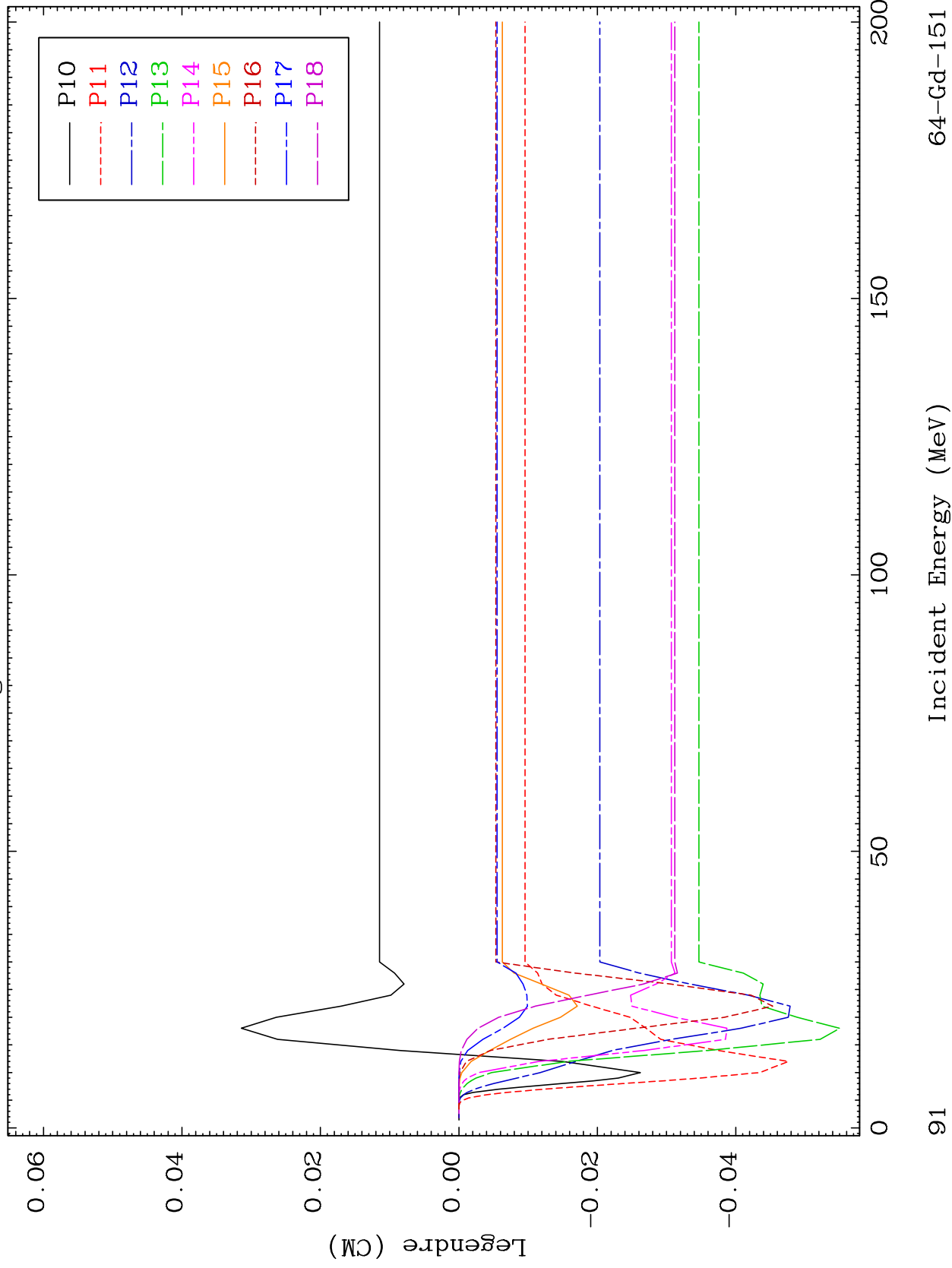
64-Gd-151



MAT 6422

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

64-Gd-151



91

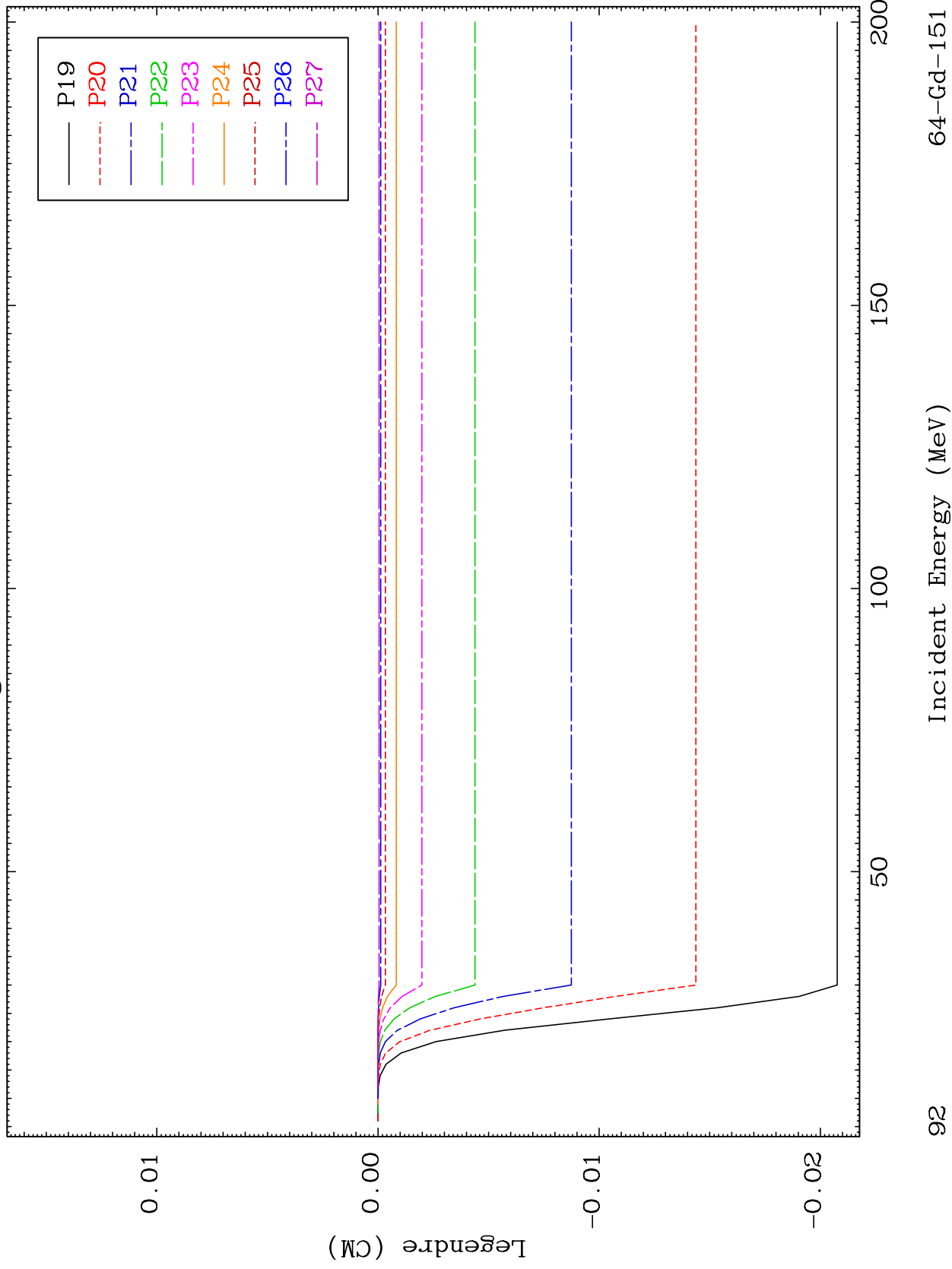
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



92

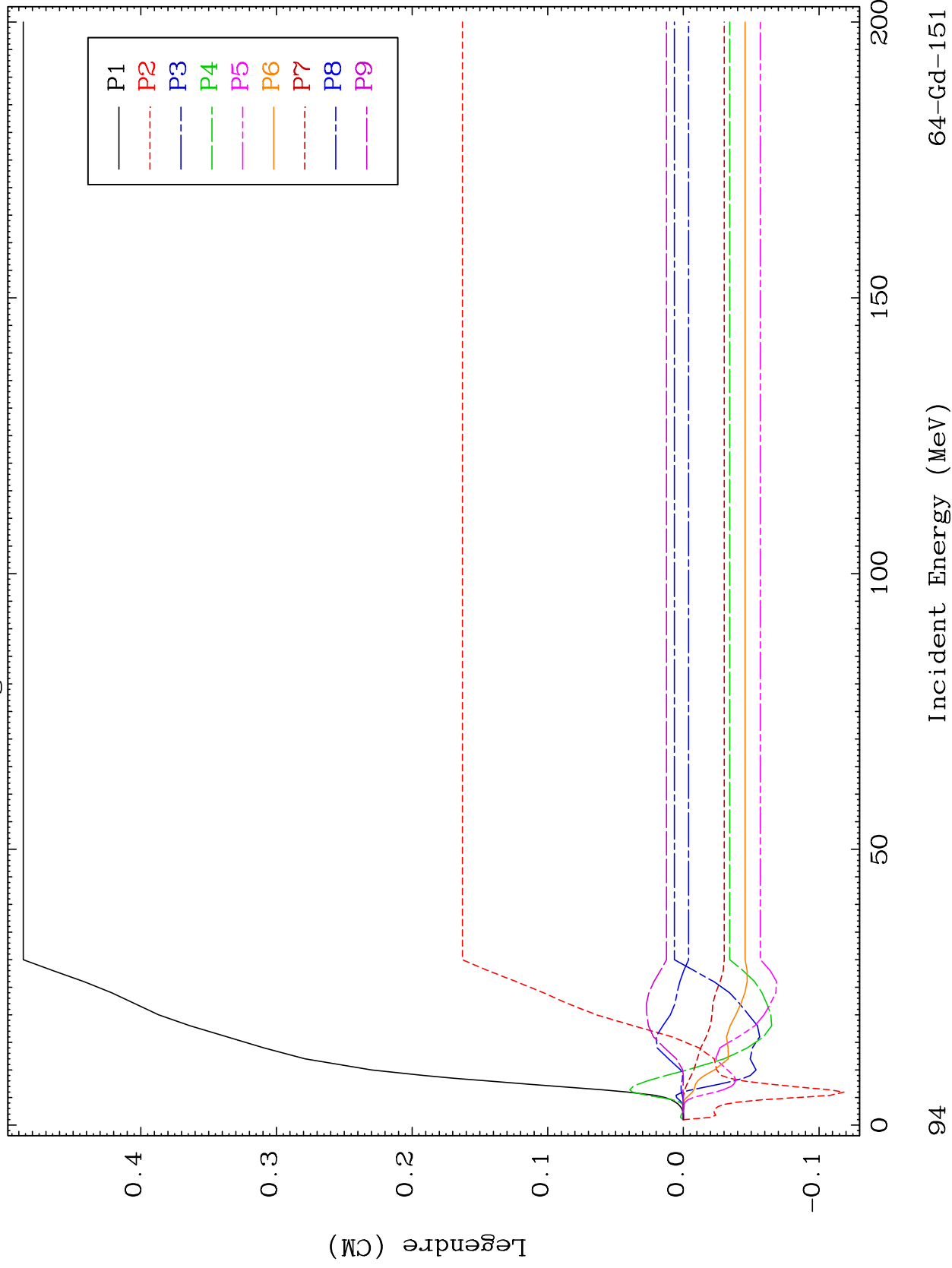
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



64-Gd-151

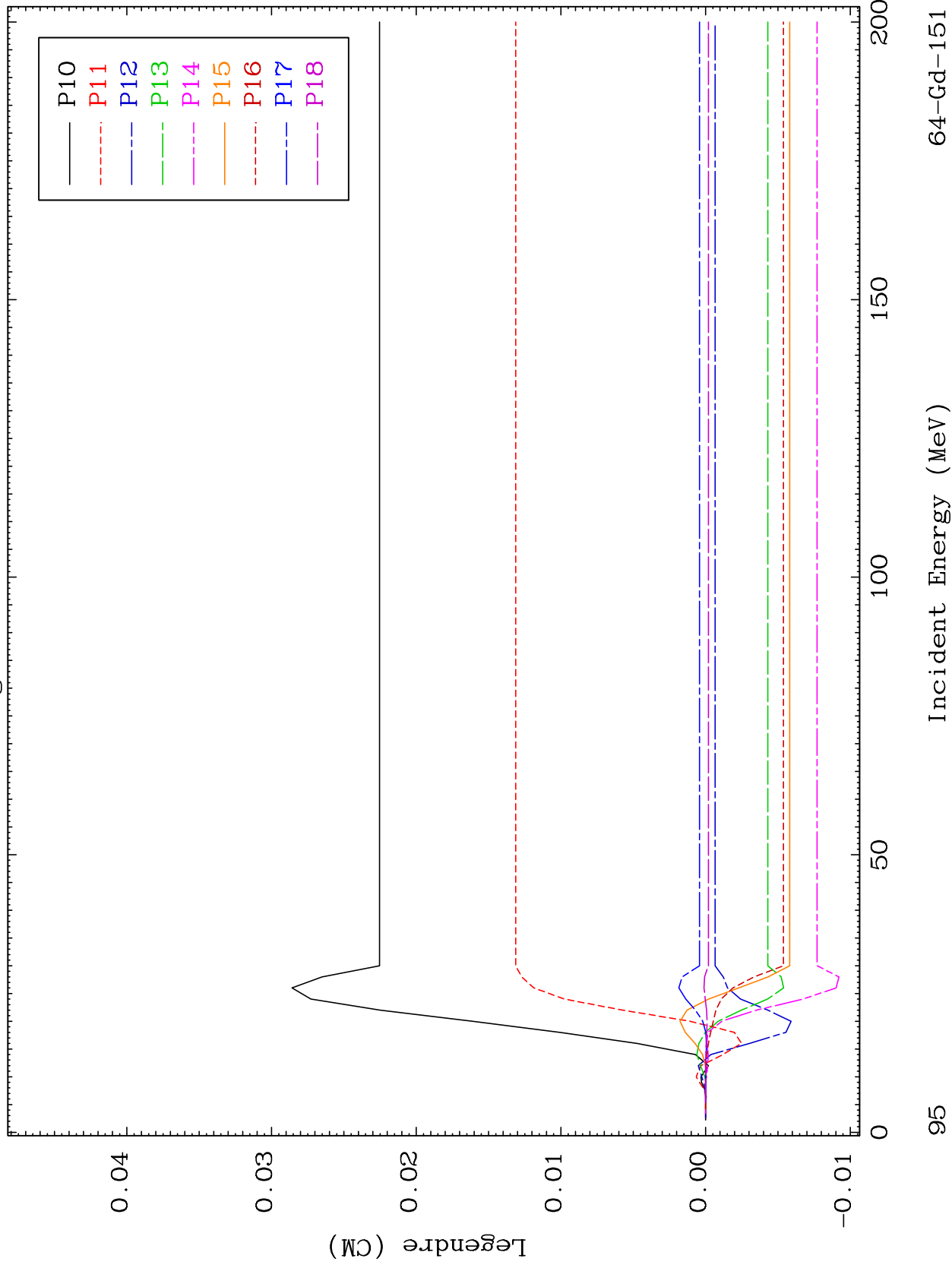
Incident Energy (MeV)

94

MAT 6422

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

64-Gd-151



64-Gd-151

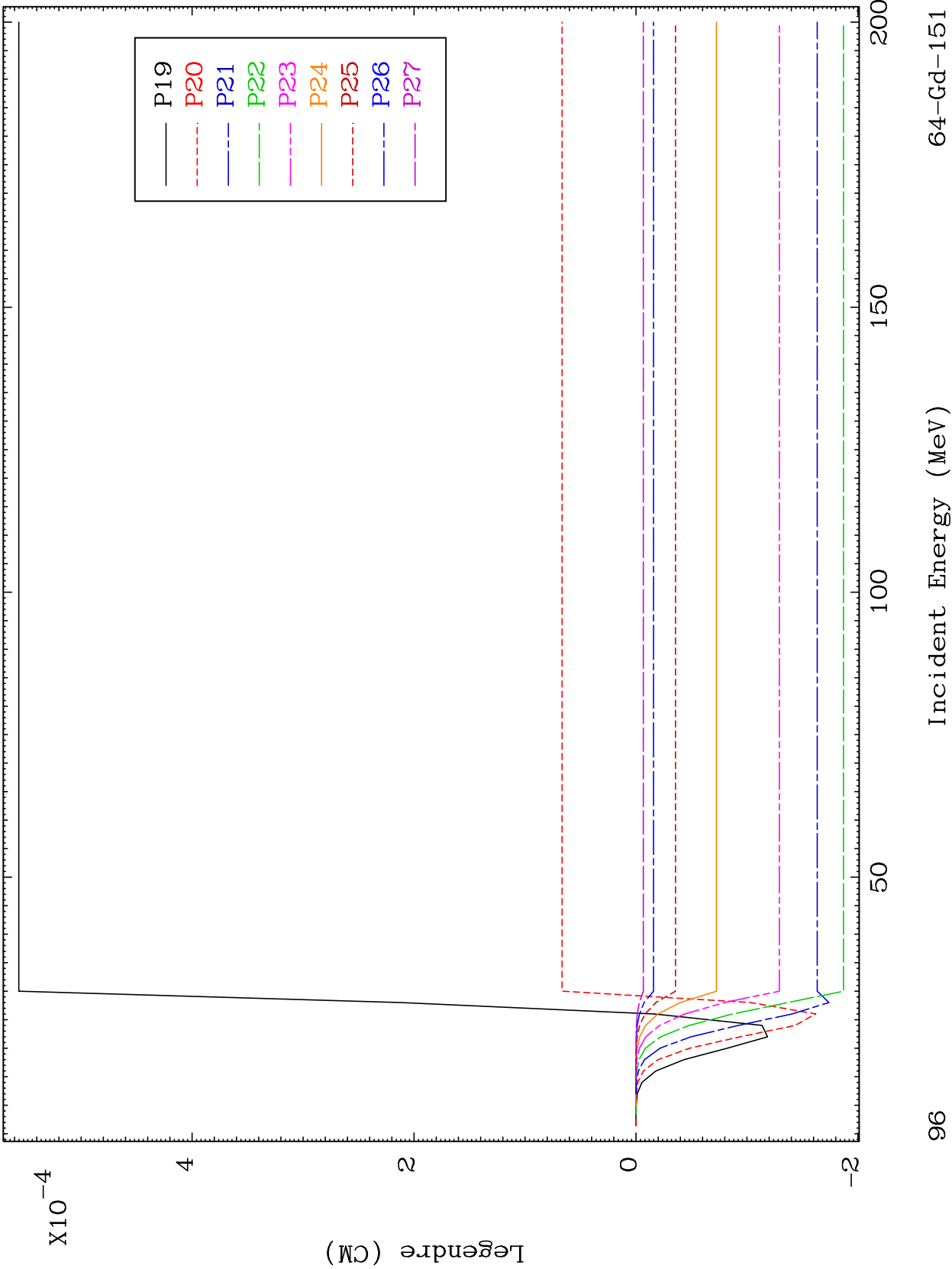
Incident Energy (MeV)

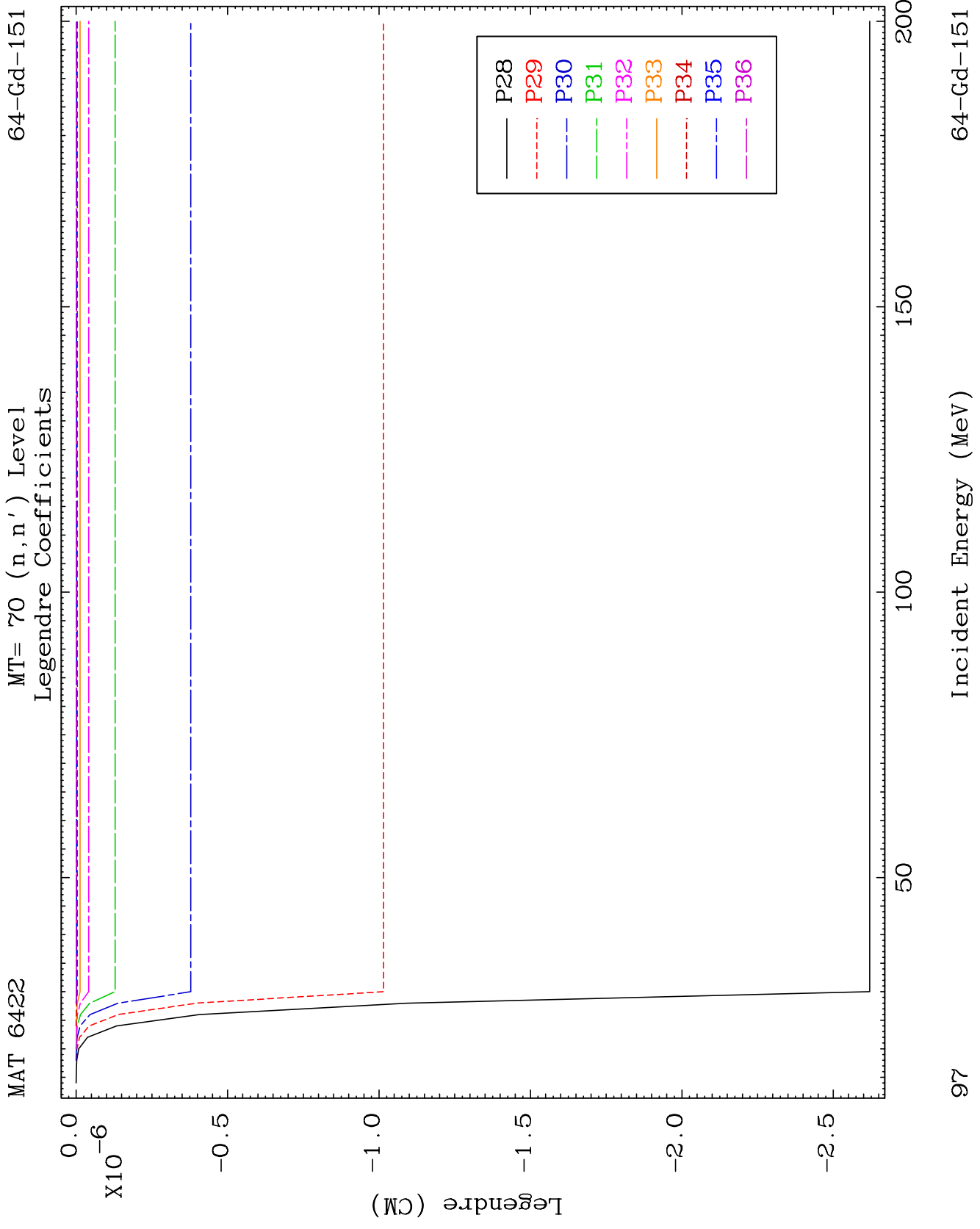
95

MAT 6422

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

64-Gd-151

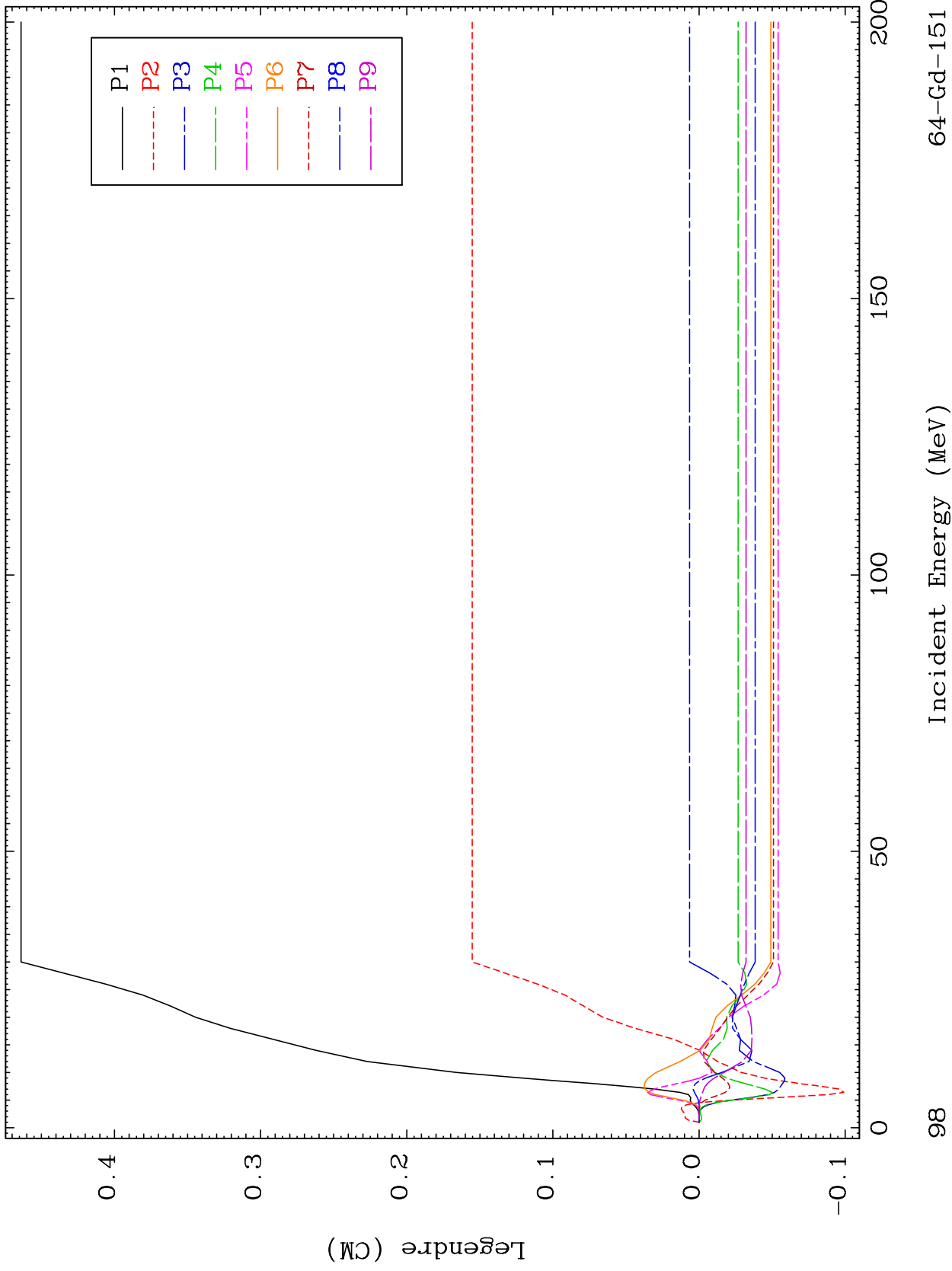




MAT 6422

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

64-Gd-151

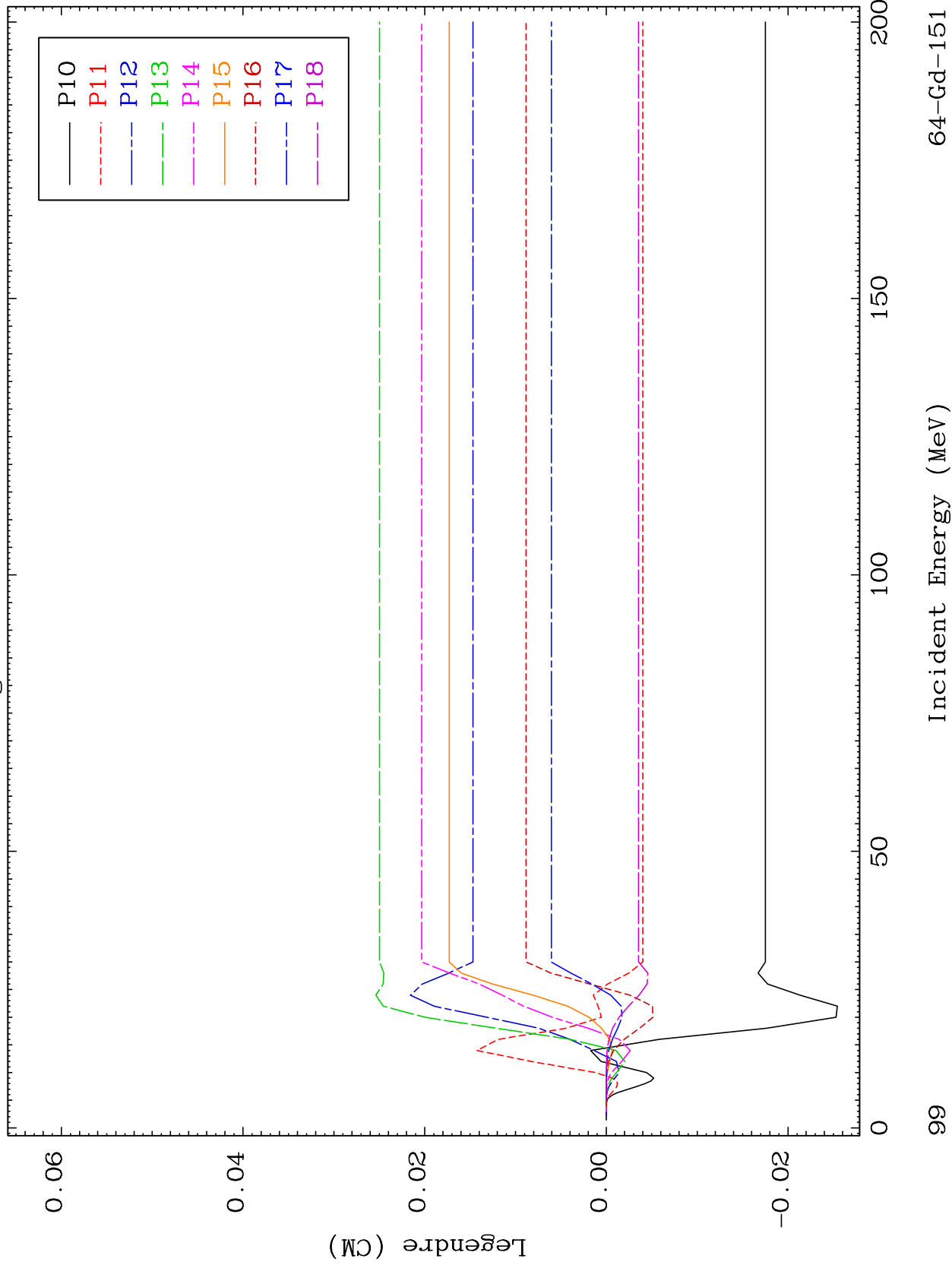


64-Gd-151

MAT 6422

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

64-Gd-151



99

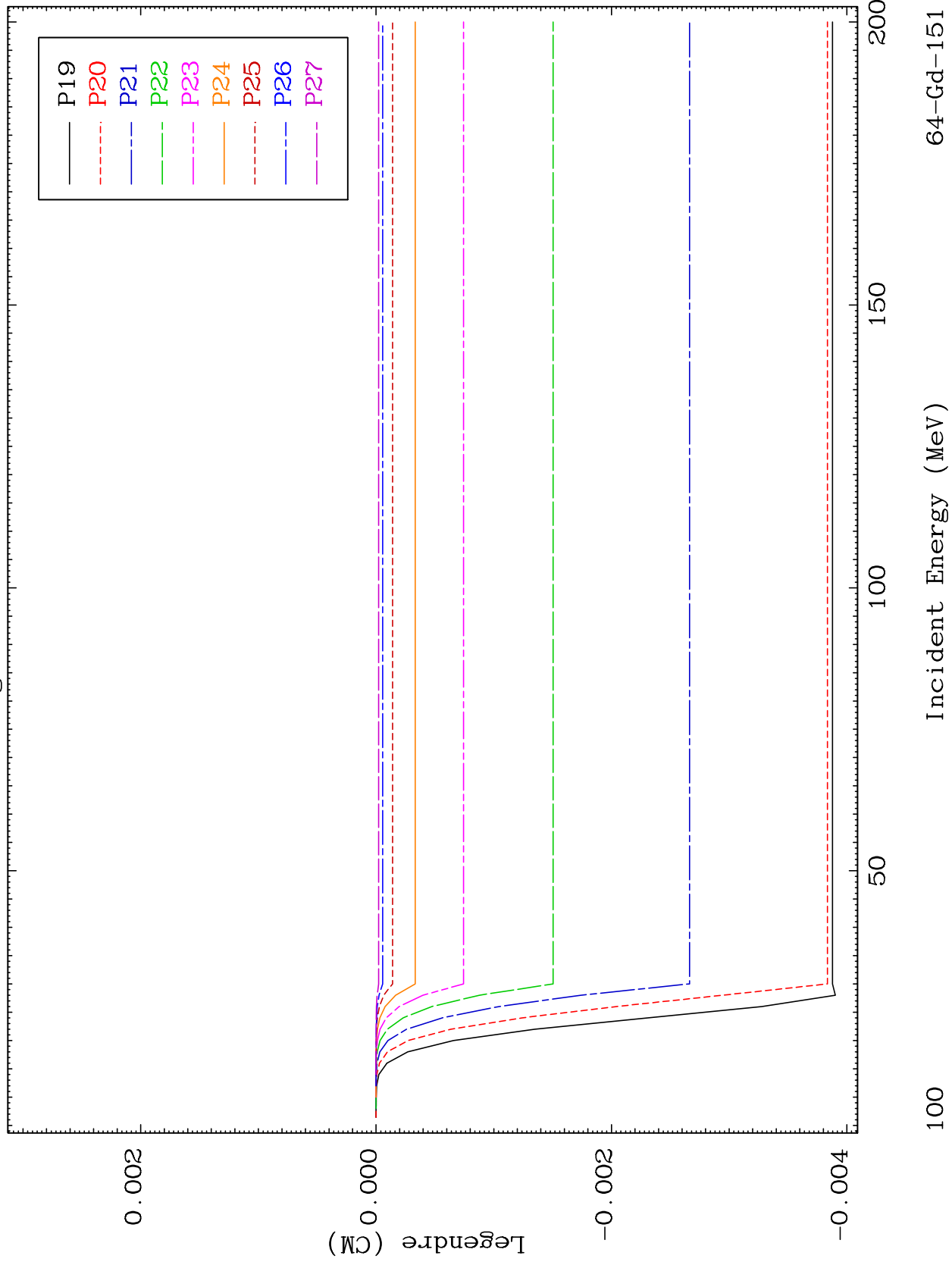
Incident Energy (MeV)

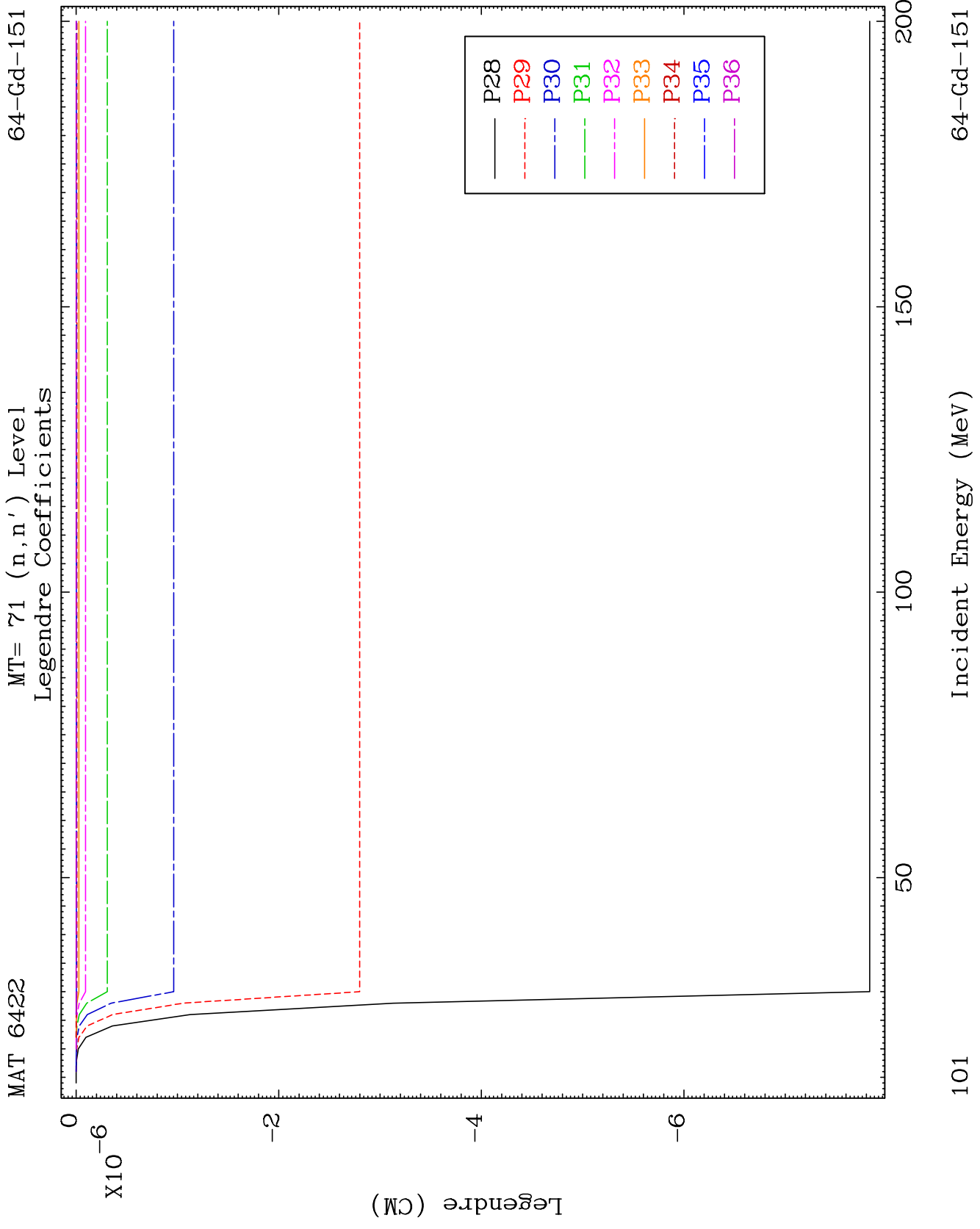
64-Gd-151

MAT 6422

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

64-Gd-151

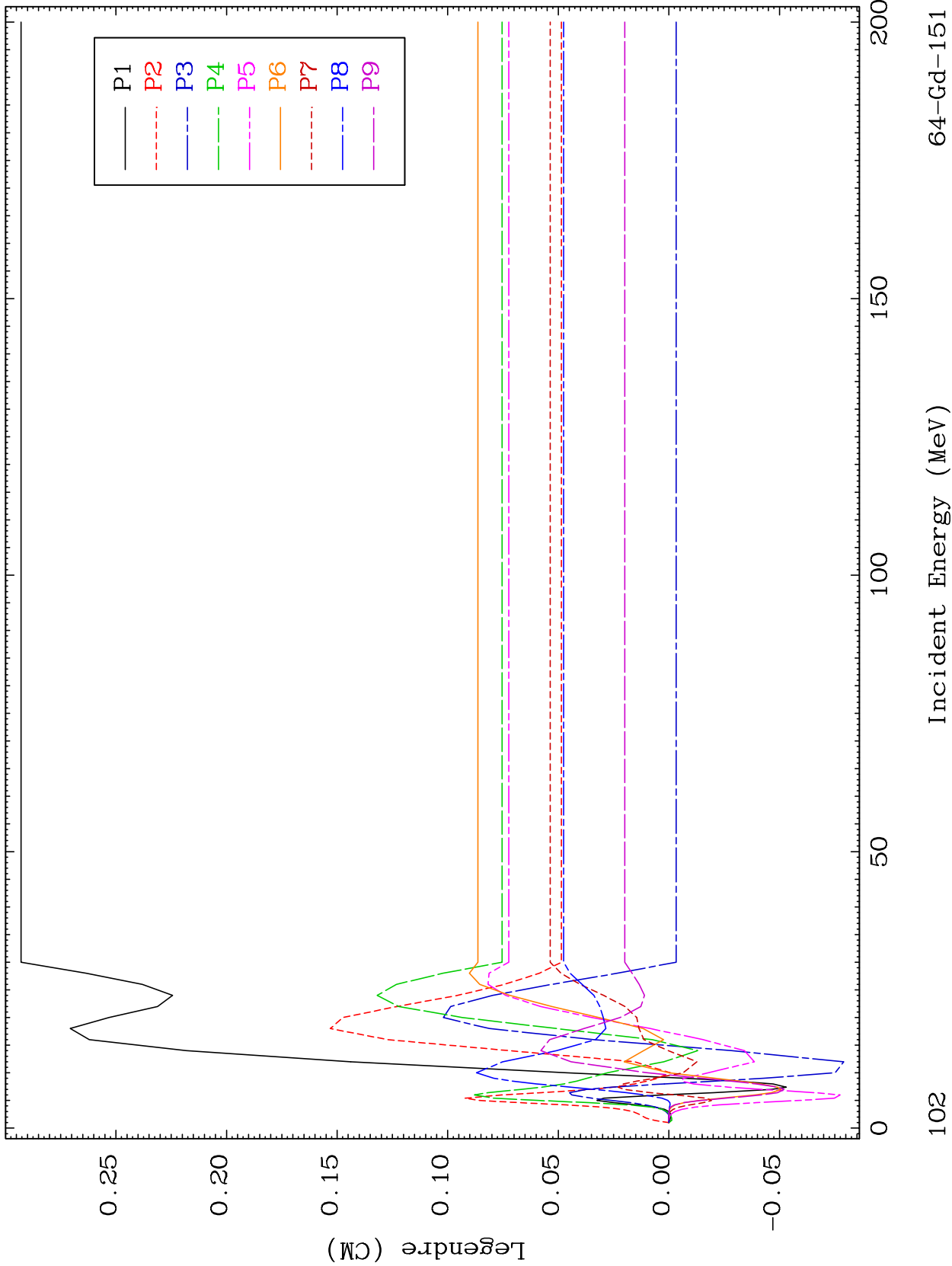




MAT 6422

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

64-Gd-151



64-Gd-151

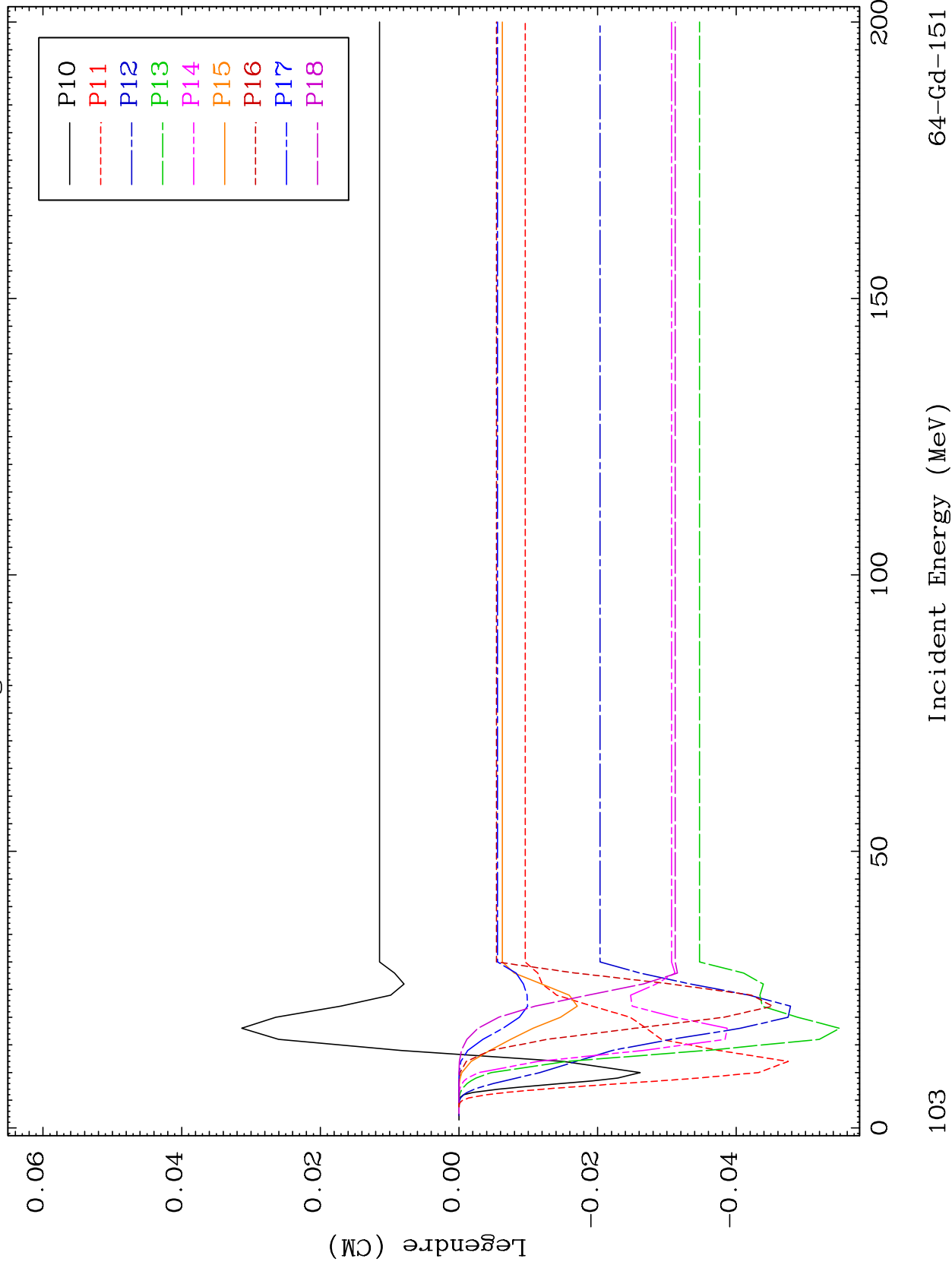
Incident Energy (MeV)

102

MAT 6422

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

64-Gd-151



64-Gd-151

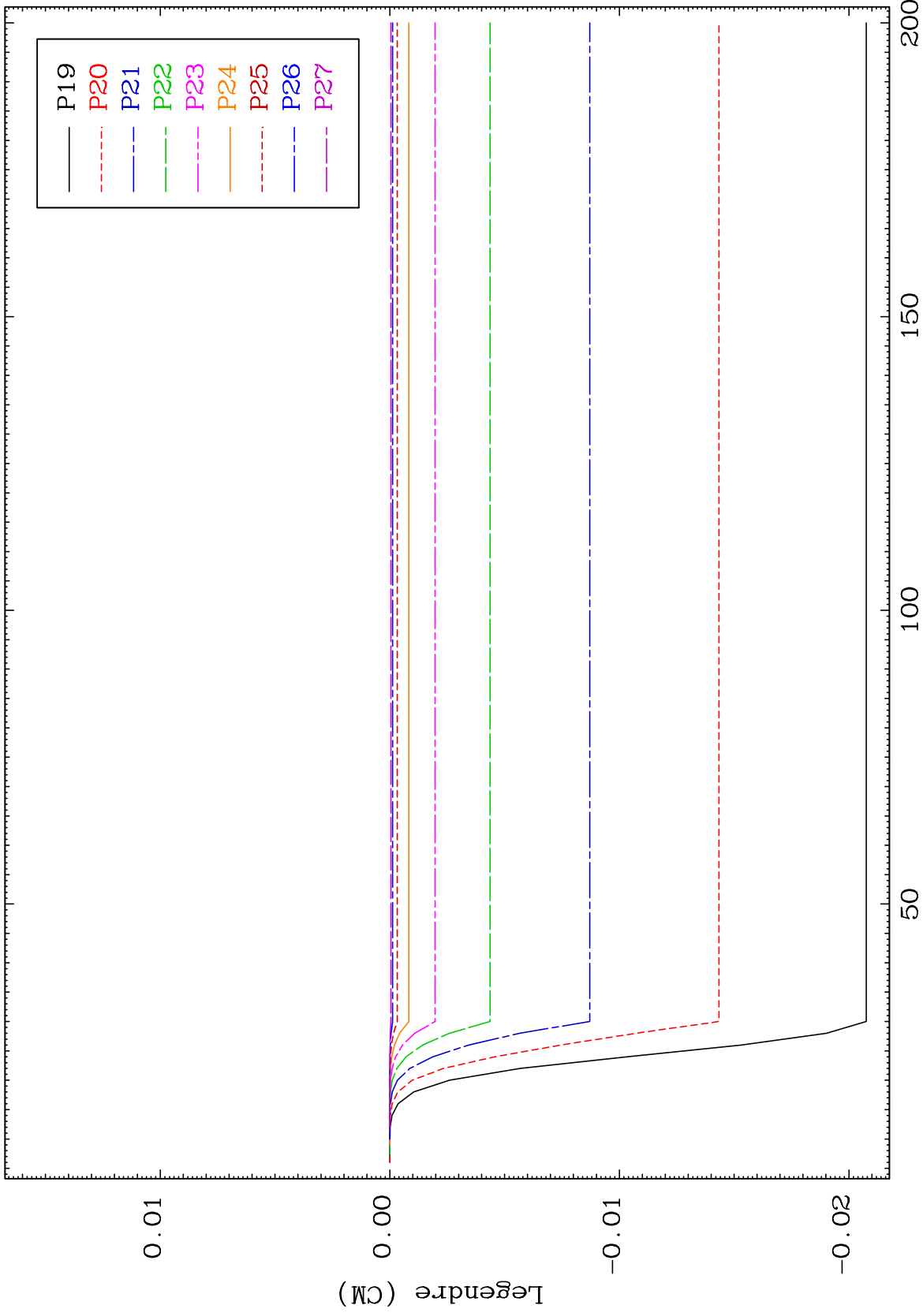
Incident Energy (MeV)

103

MAT 6422

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

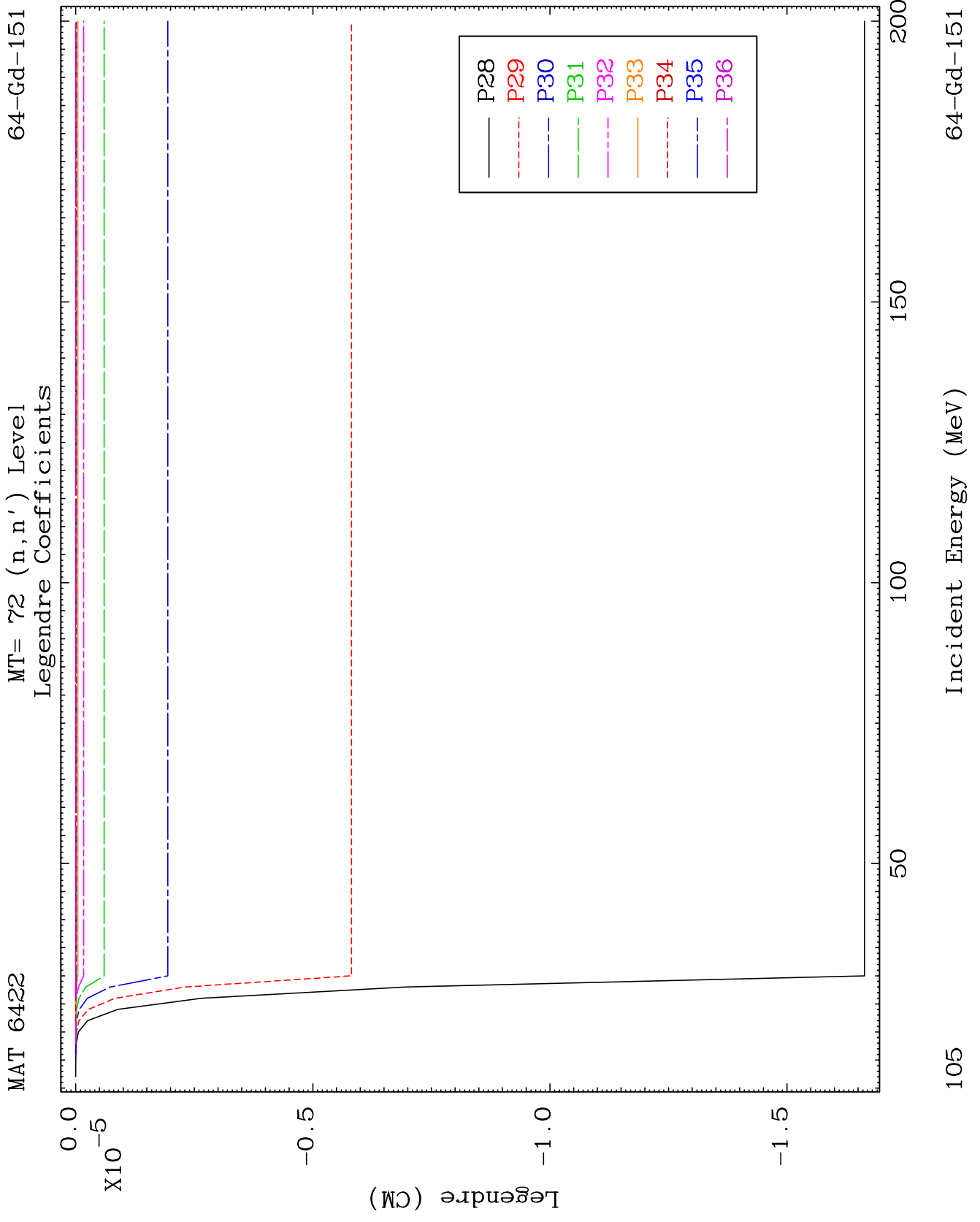
64-Gd-151



104

Incident Energy (MeV)

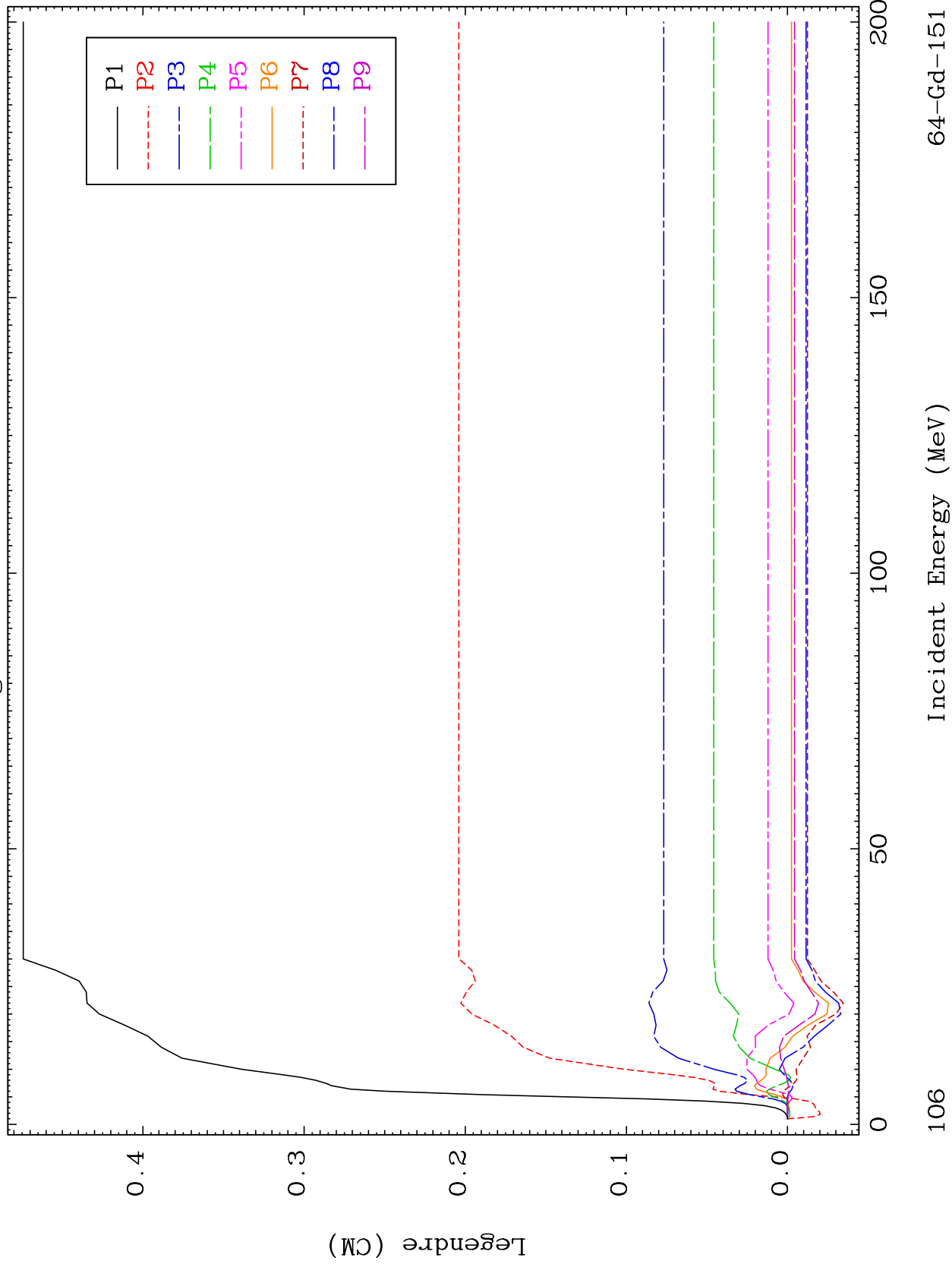
64-Gd-151



MAT 6422

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

64-Gd-151



64-Gd-151

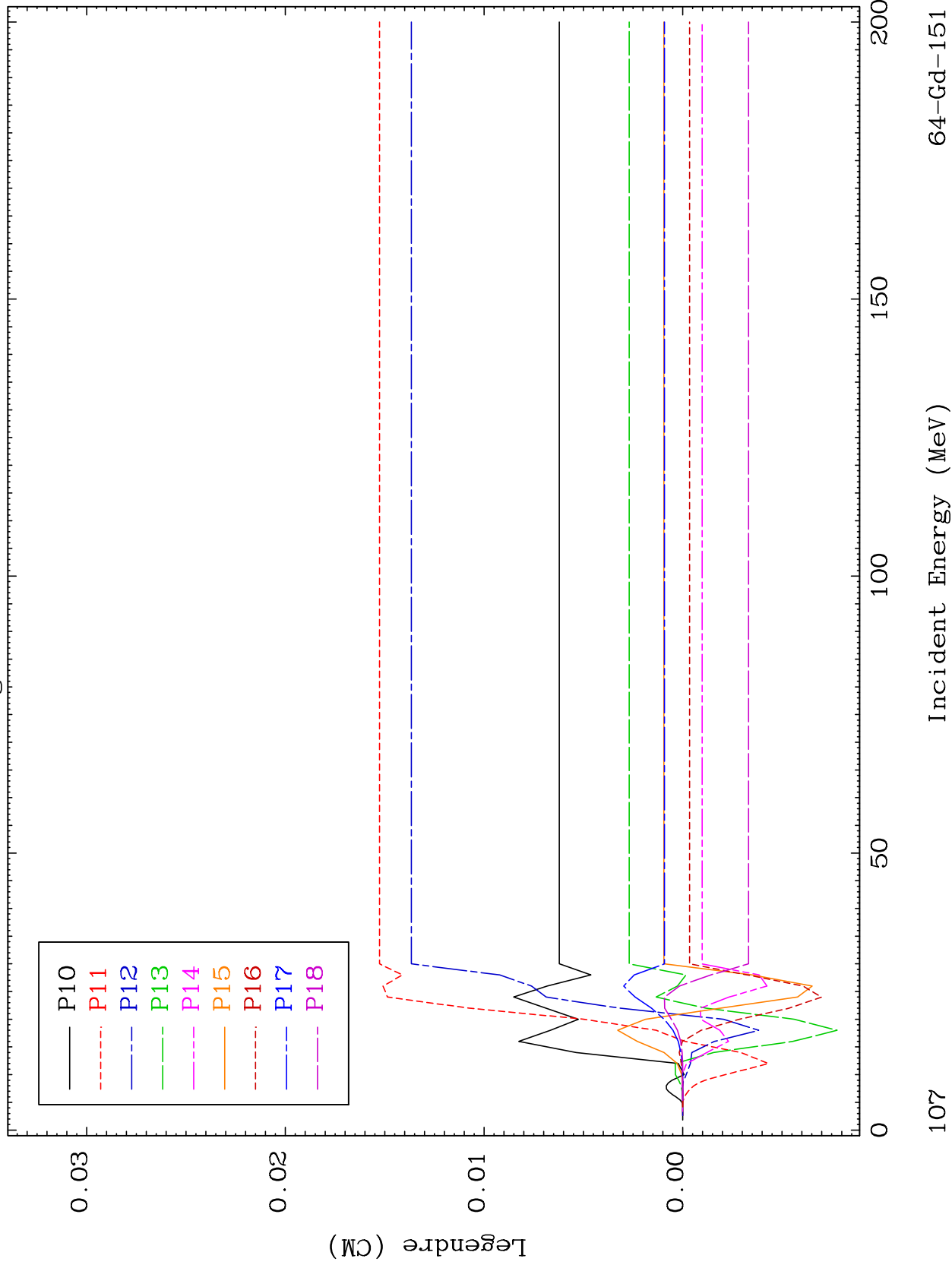
Incident Energy (MeV)

106

MAT 6422

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

64-Gd-151



107

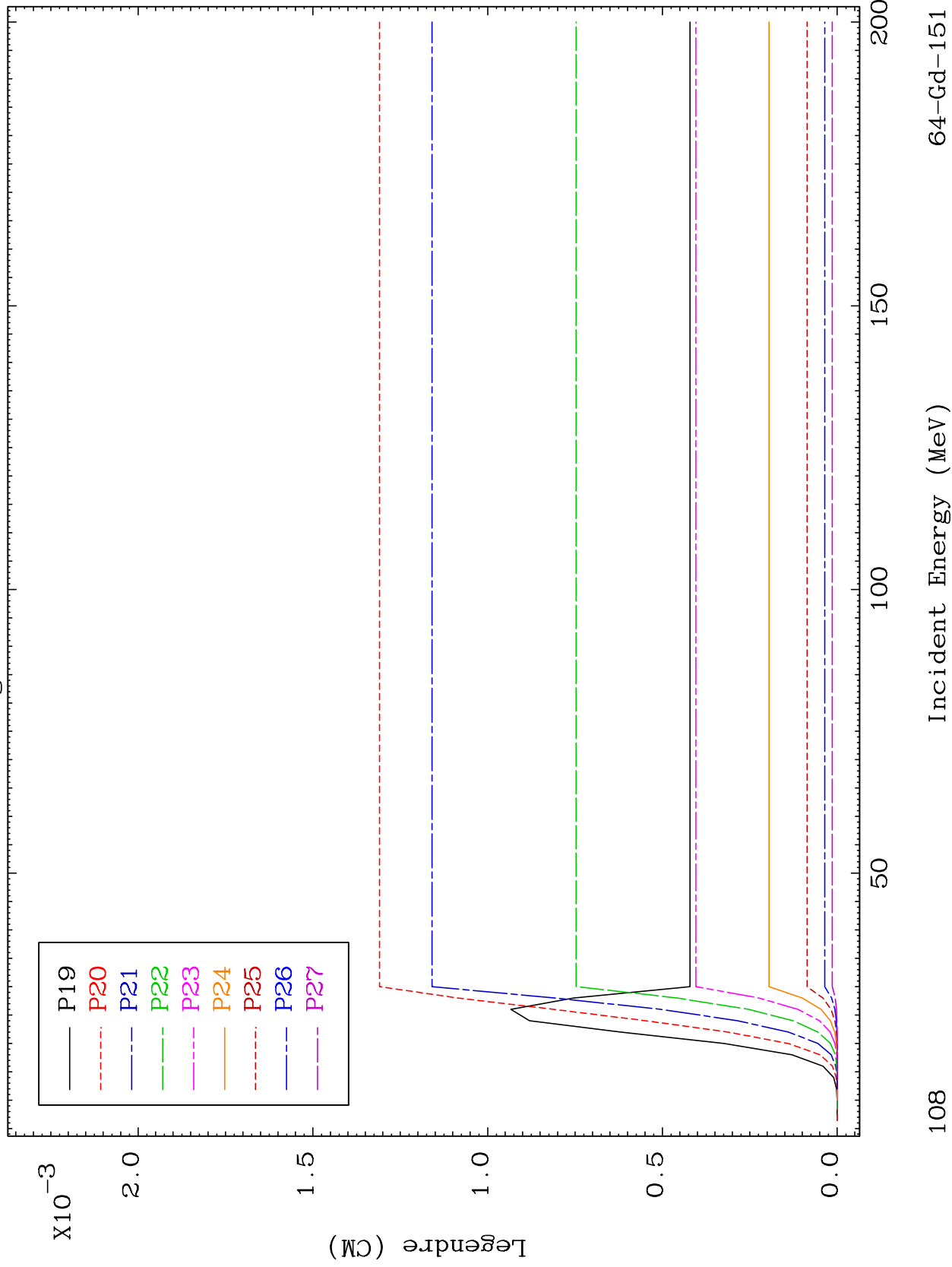
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



108

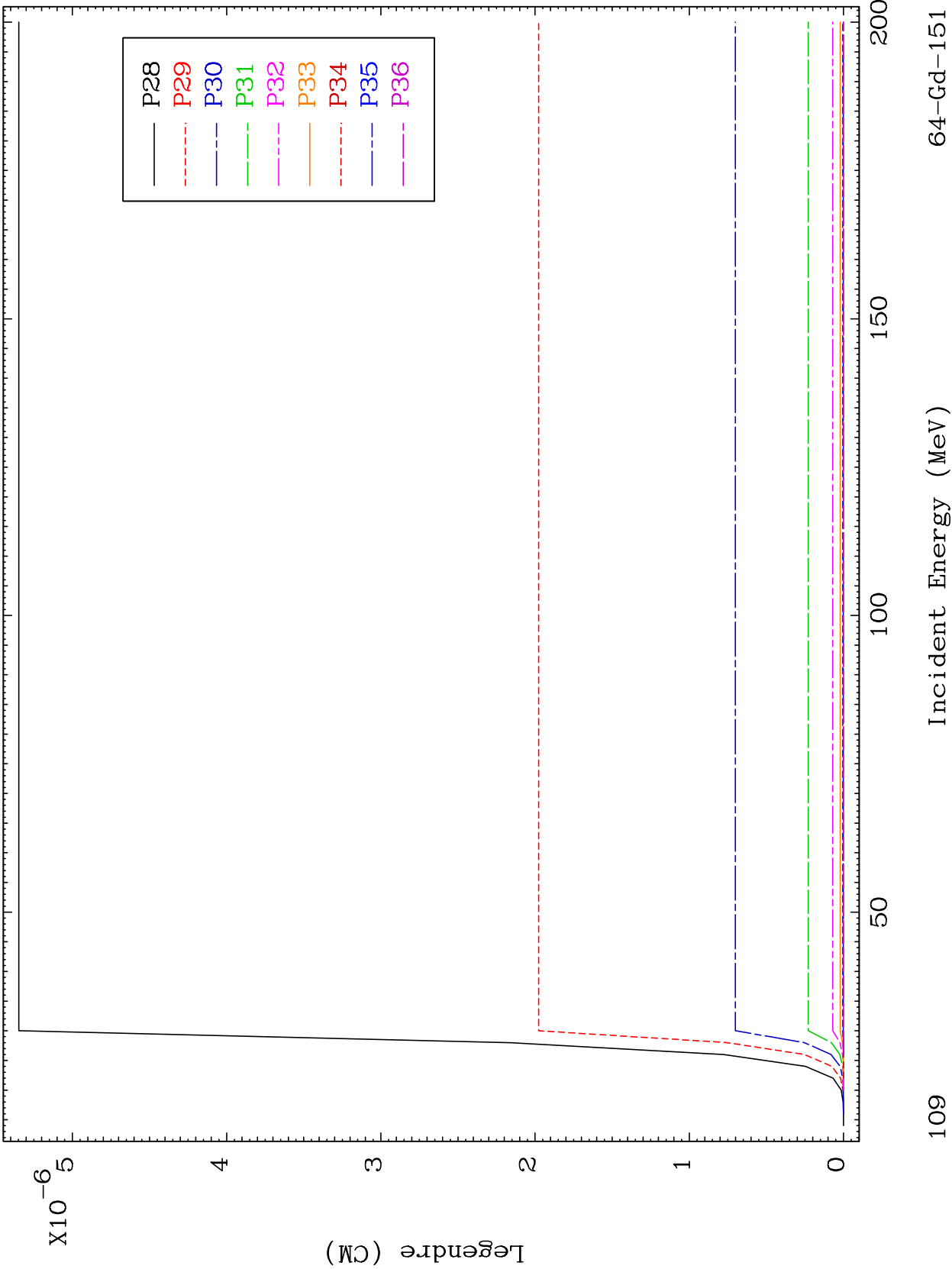
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



109

Incident Energy (MeV)

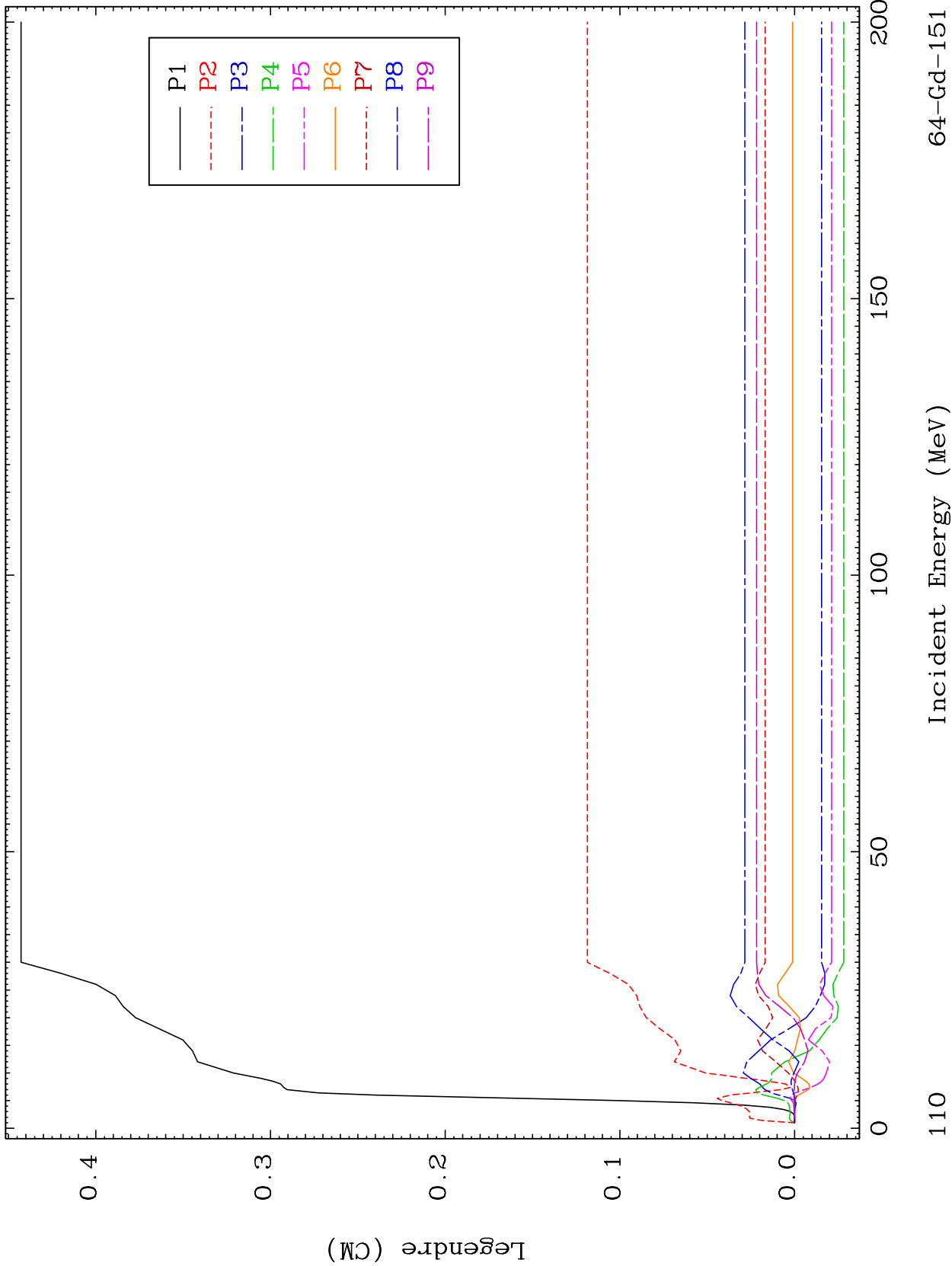
64-Gd-151

MAT 6422

MT= 74 (n,n') Level

64-Gd-151

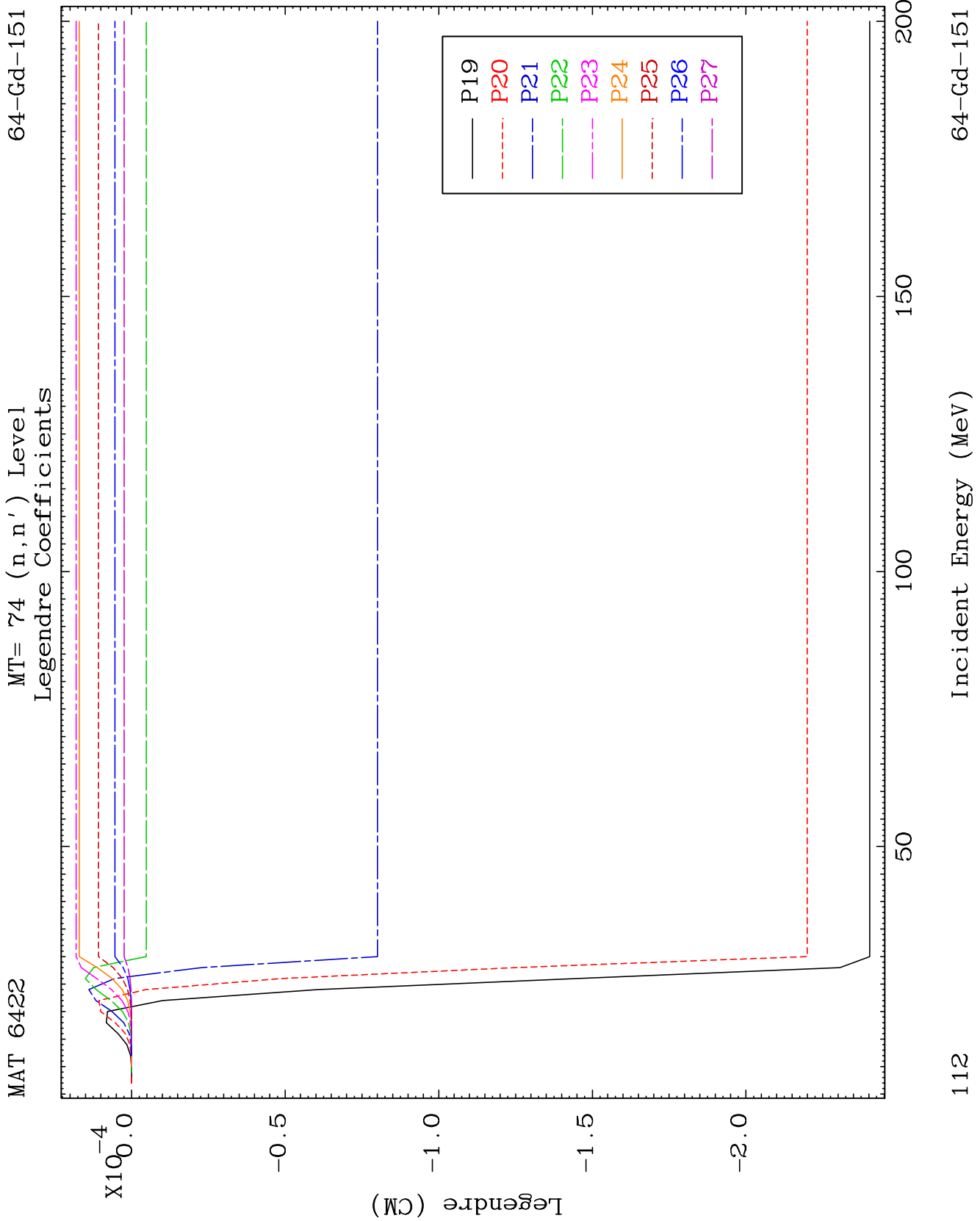
Legendre Coefficients



64-Gd-151

Incident Energy (MeV)

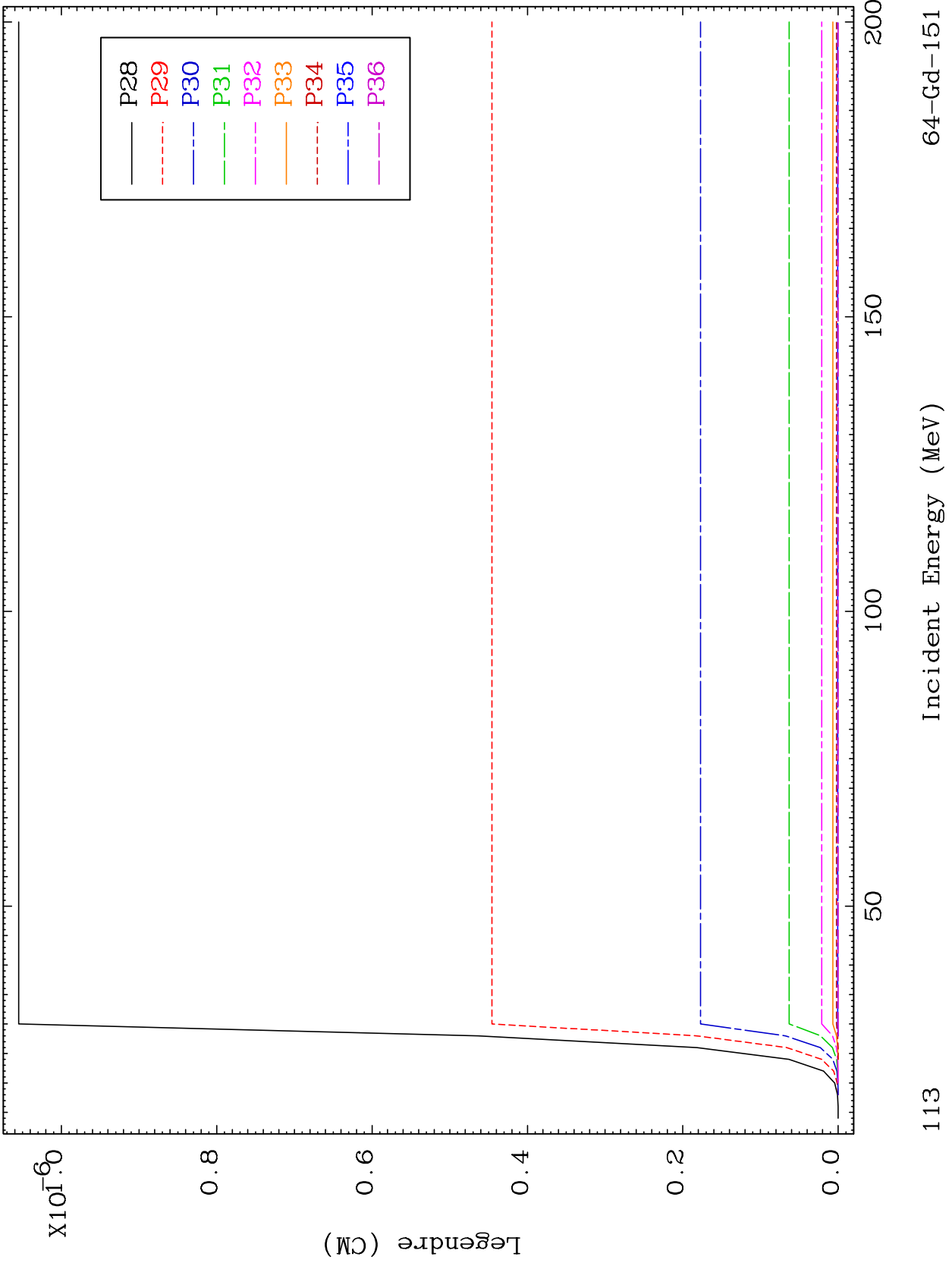
110



MAT 6422

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

64-Gd-151



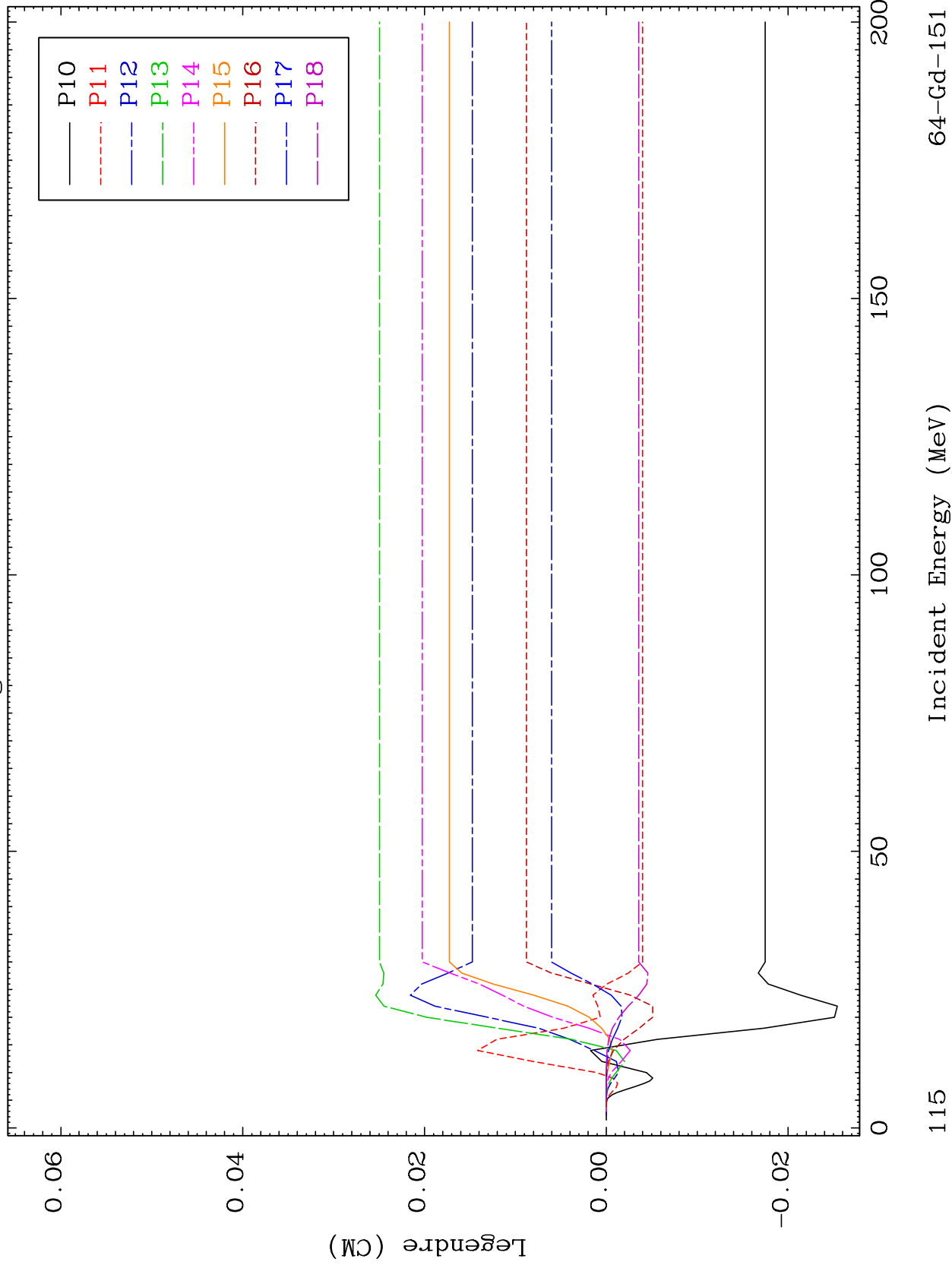
113

64-Gd-151

MAT 6422

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

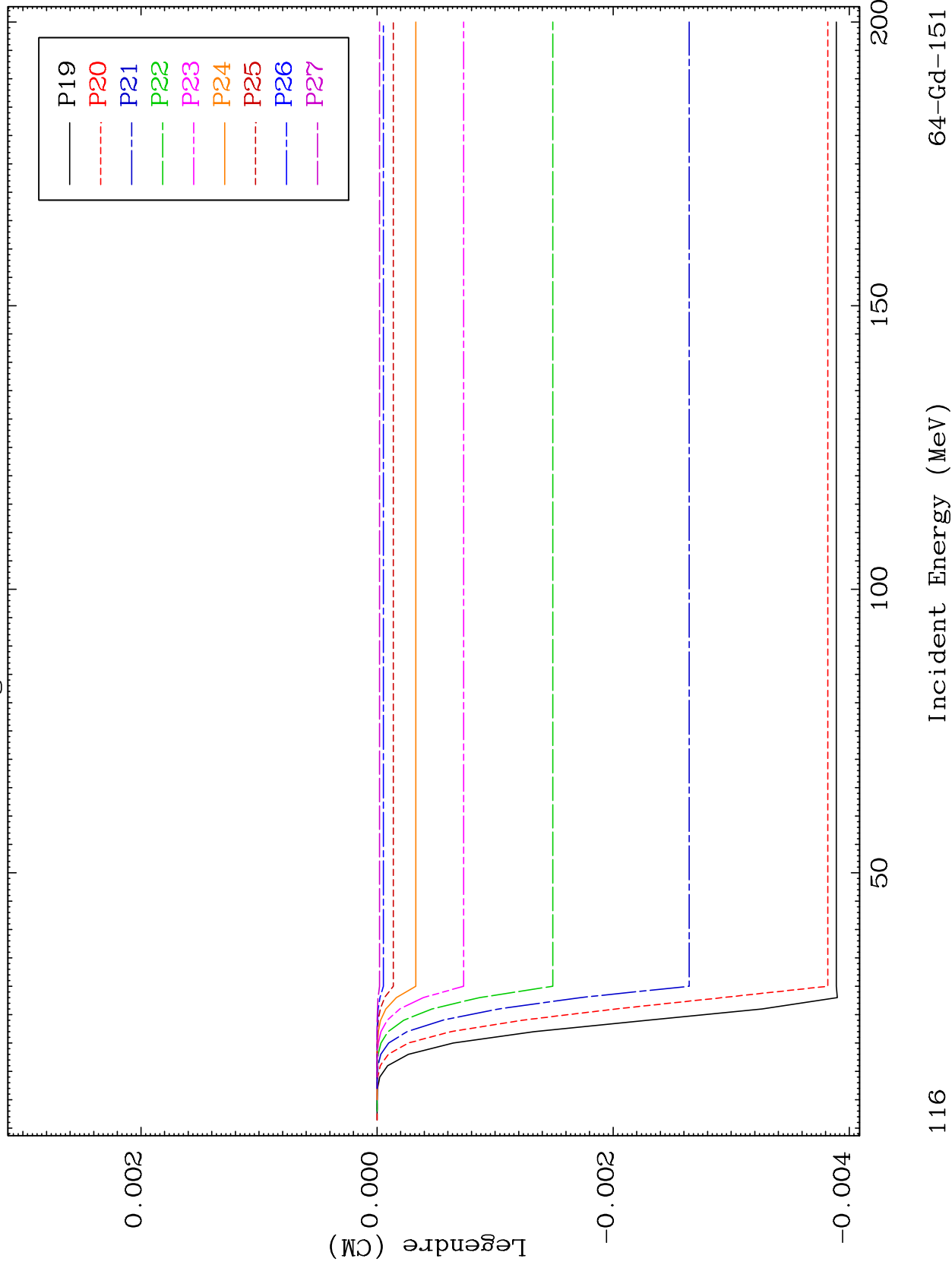
64-Gd-151



MAT 6422

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

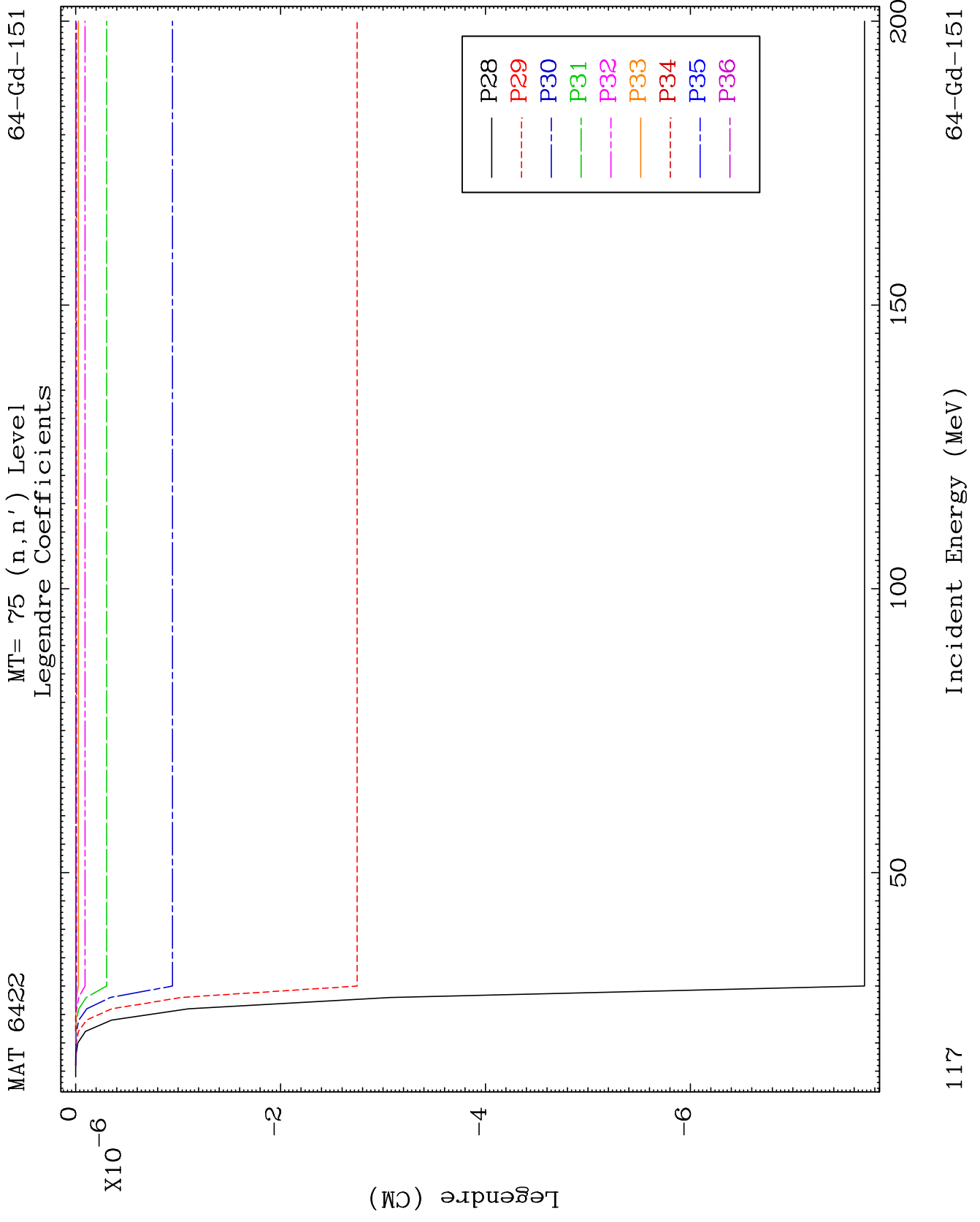
64-Gd-151



116

Incident Energy (MeV)

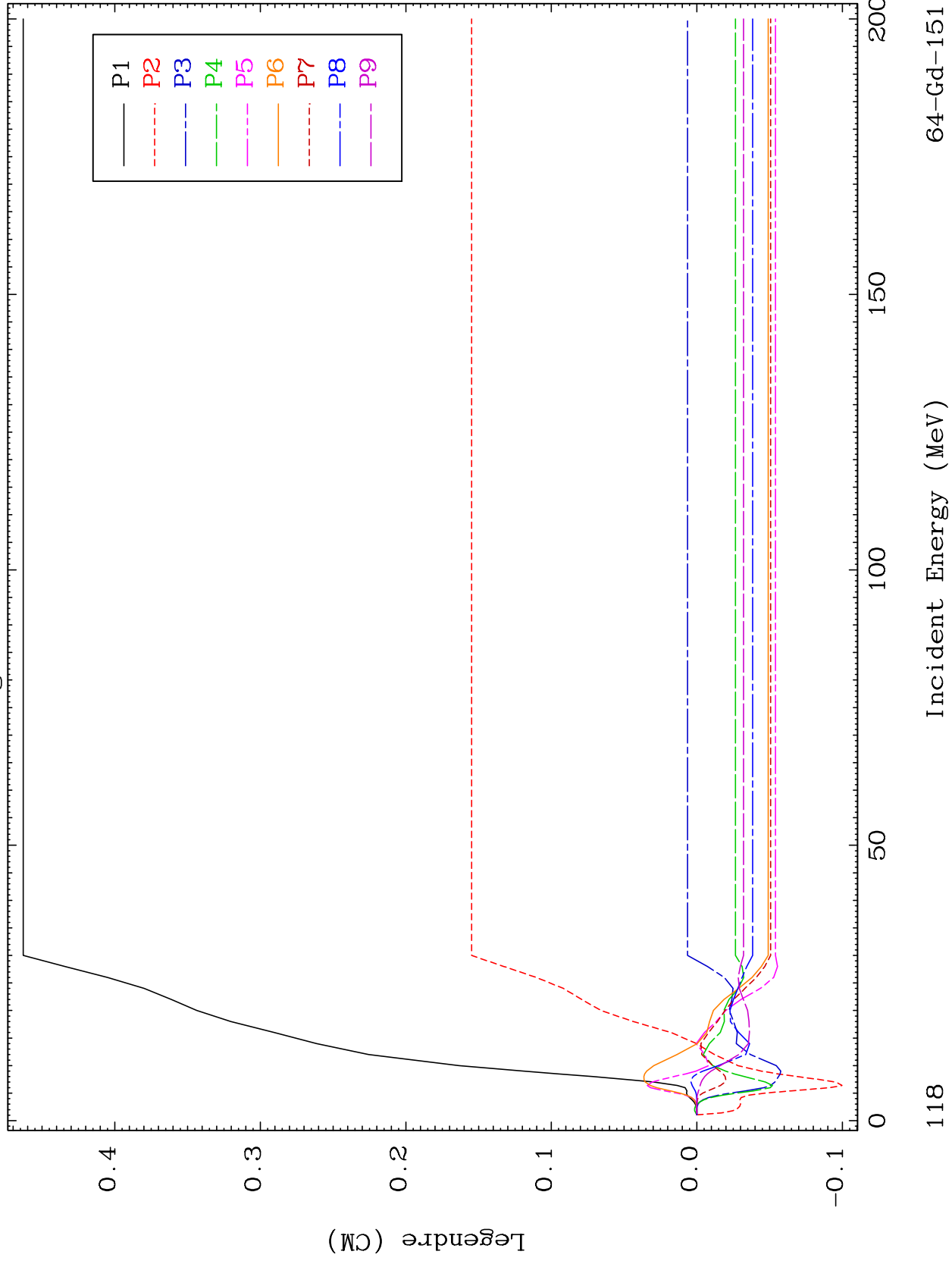
64-Gd-151



MAT 6422

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

64-Gd-151



64-Gd-151

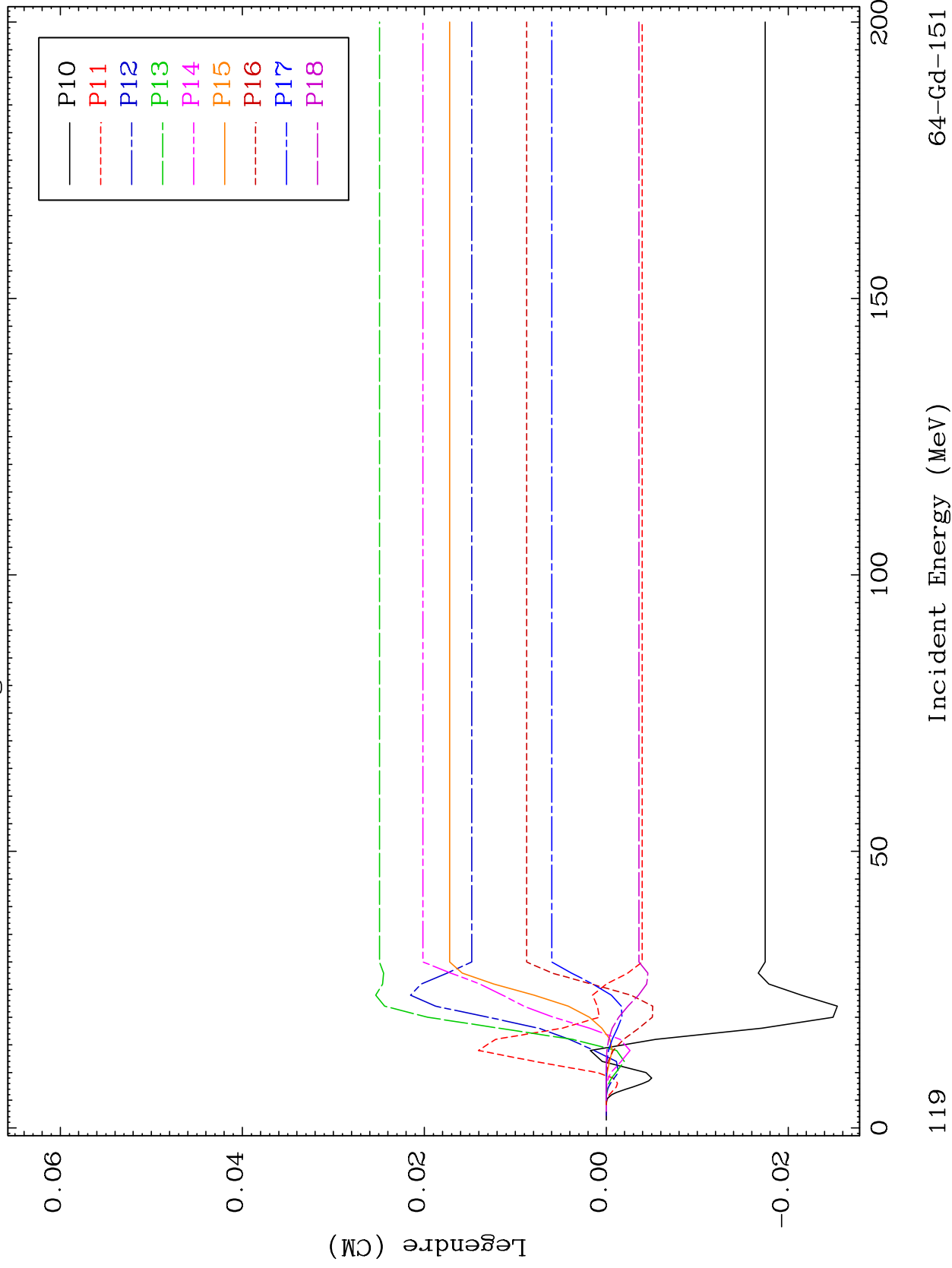
Incident Energy (MeV)

118

MAT 6422

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

64-Gd-151



64-Gd-151

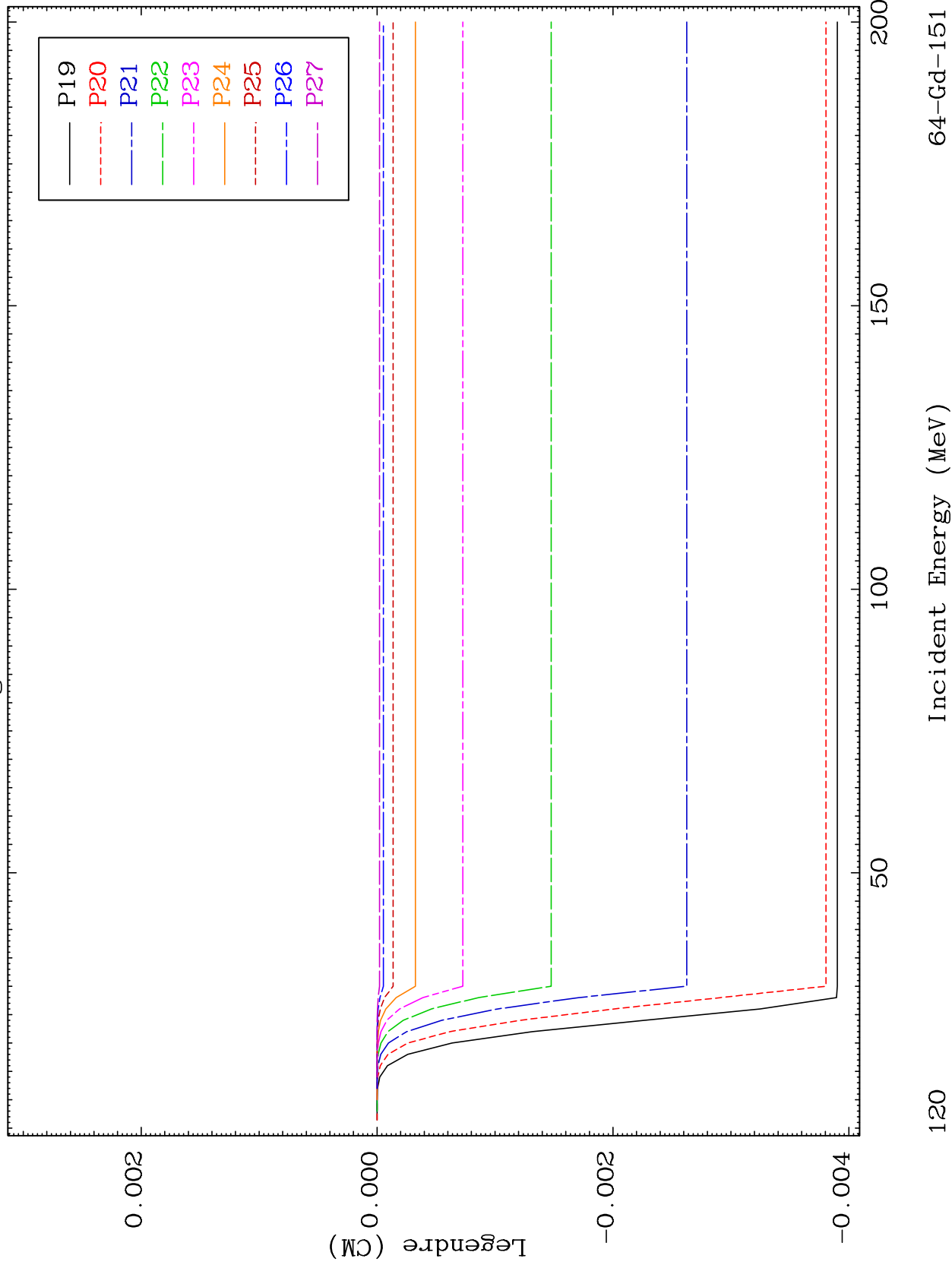
Incident Energy (MeV)

119

MAT 6422

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

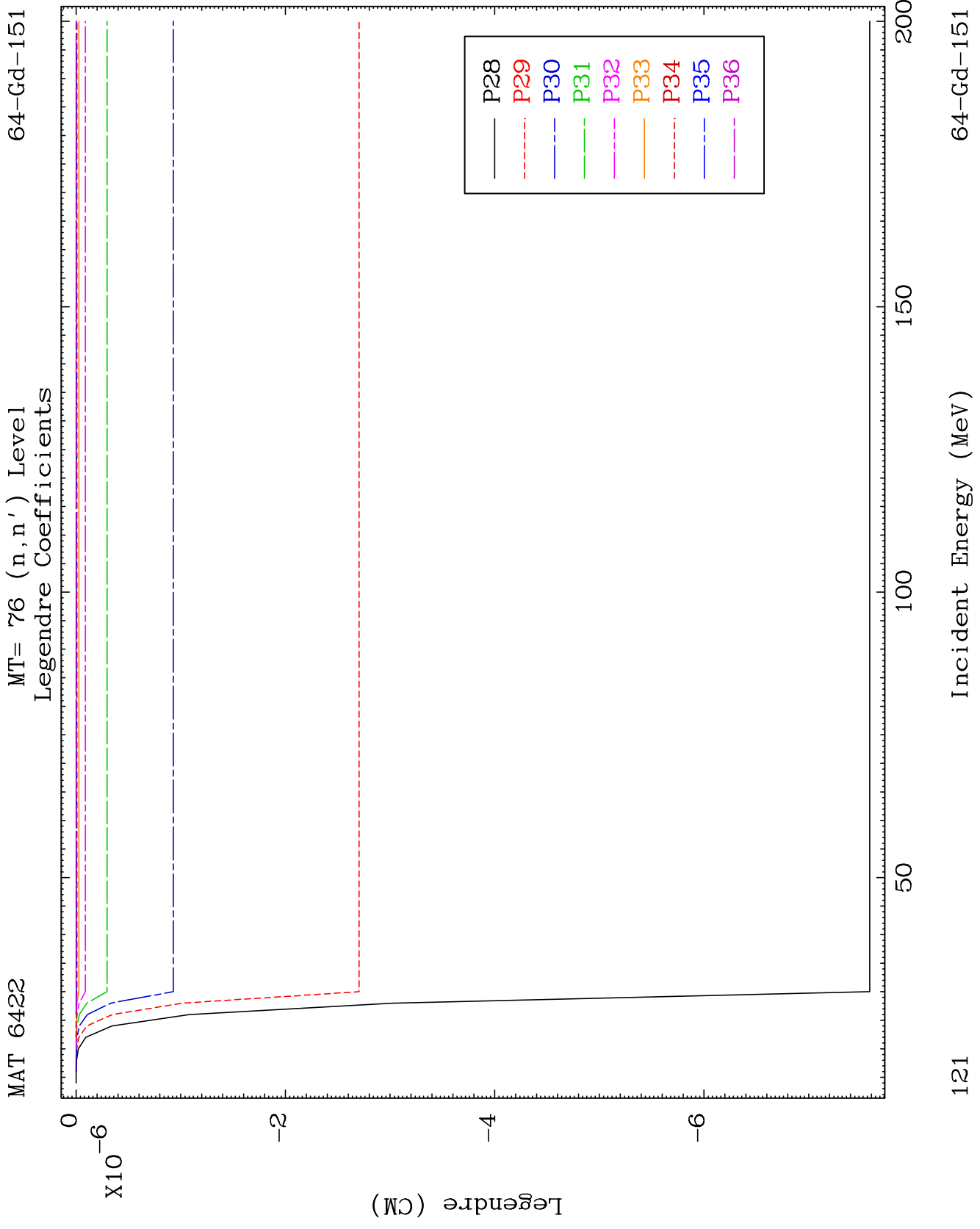
64-Gd-151

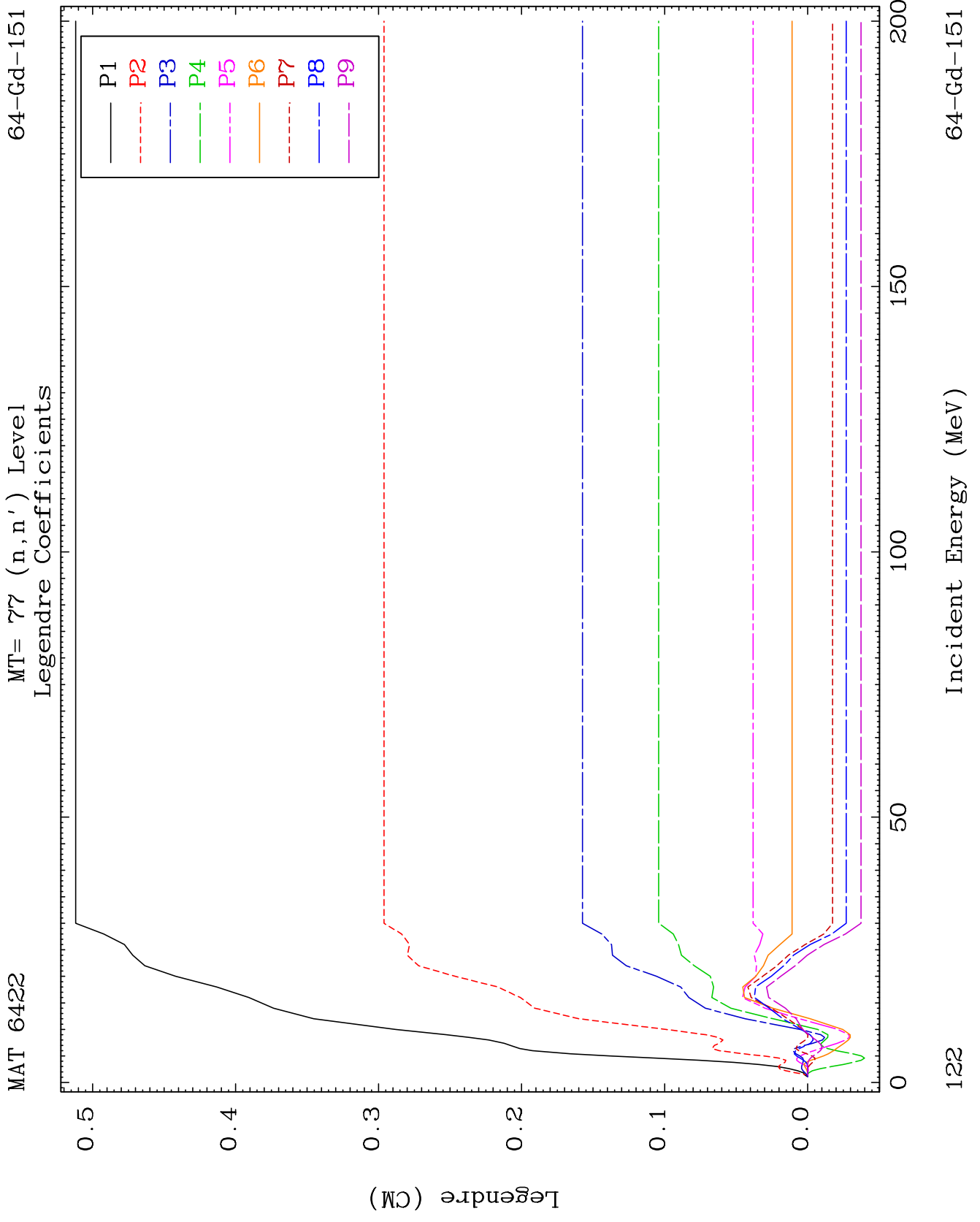


120

Incident Energy (MeV)

64-Gd-151

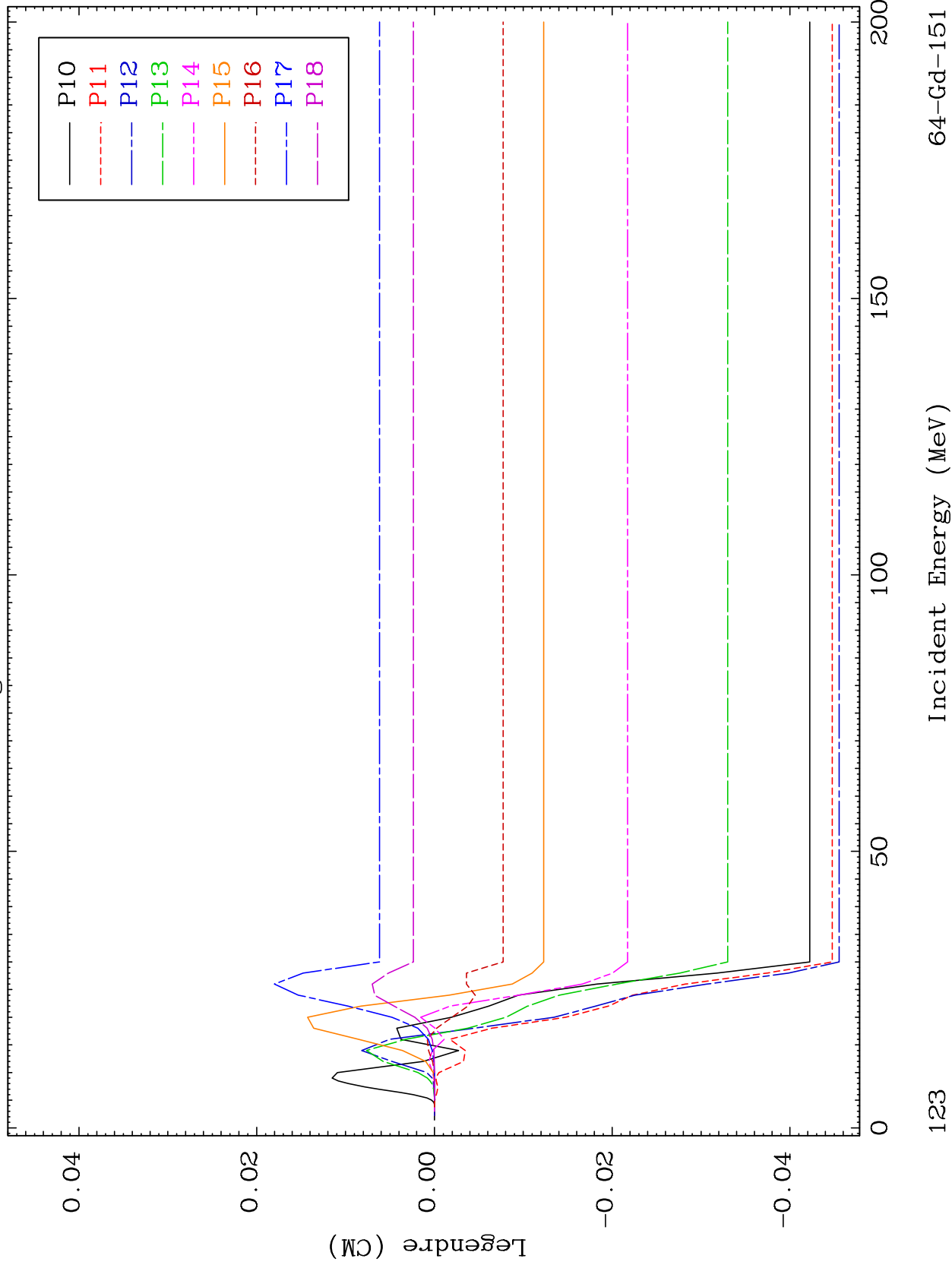




MAT 6422

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

64-Gd-151



64-Gd-151

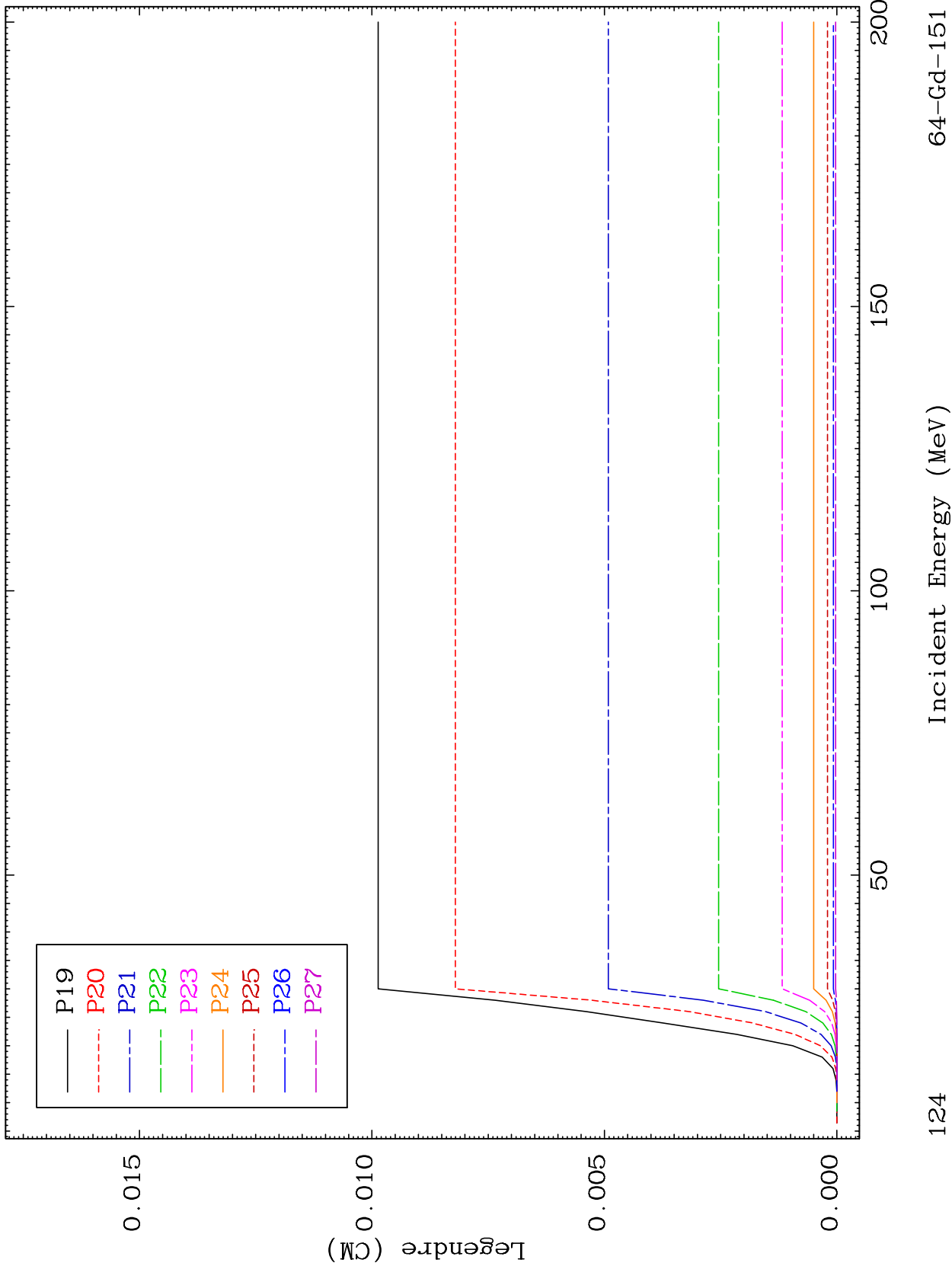
Incident Energy (MeV)

123

MAT 6422

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

64-Gd-151



124

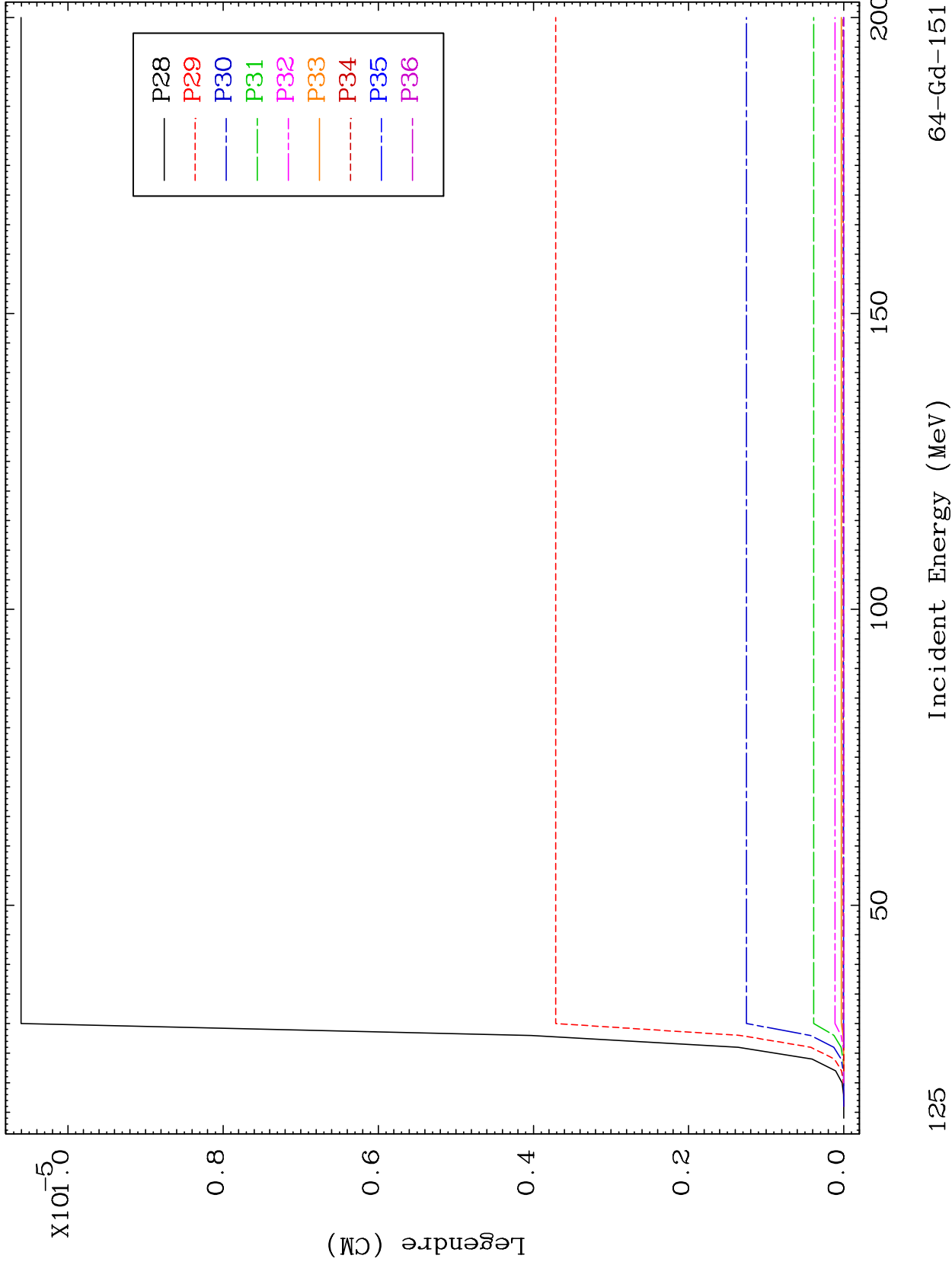
Incident Energy (MeV)

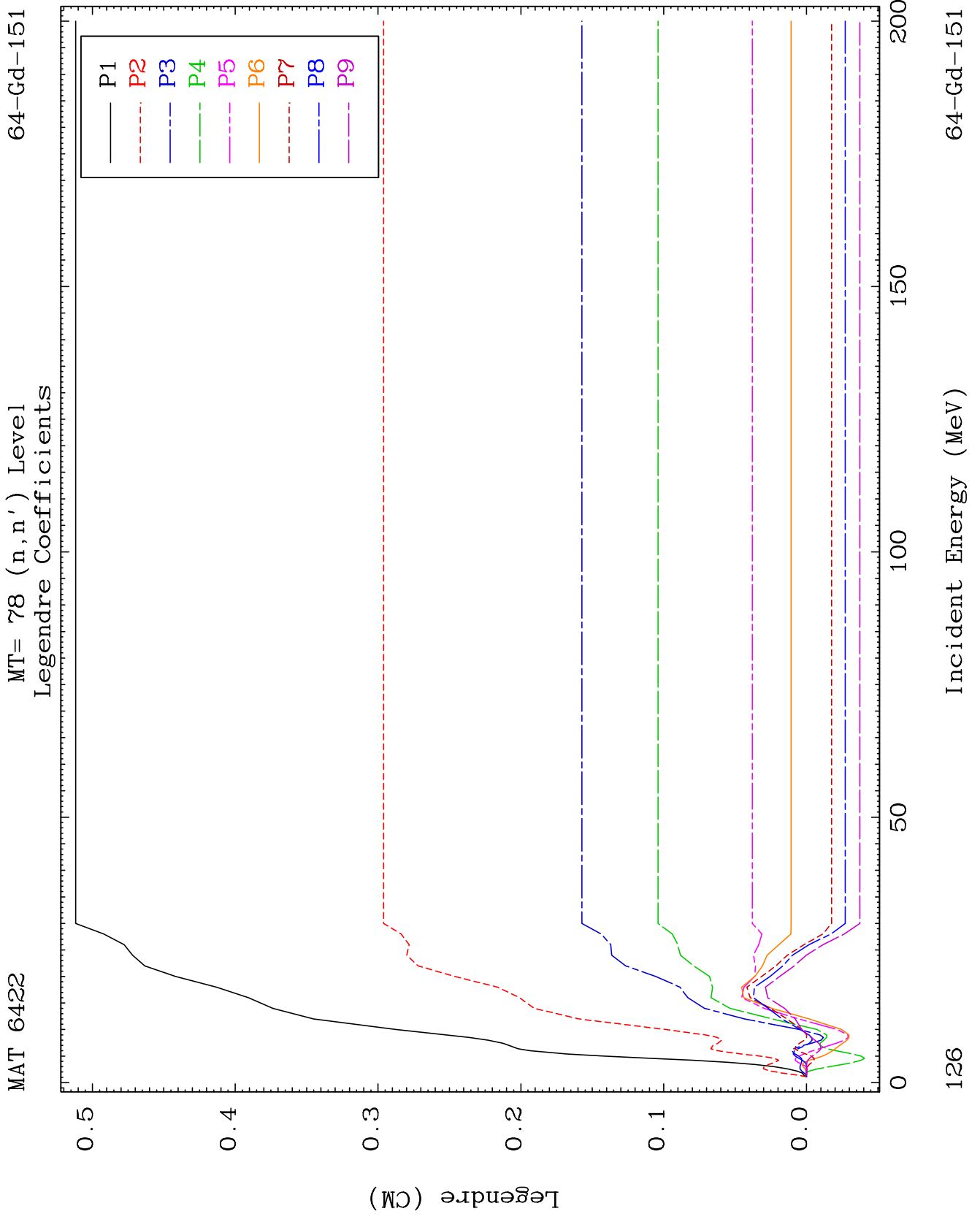
64-Gd-151

MAT 6422

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

64-Gd-151

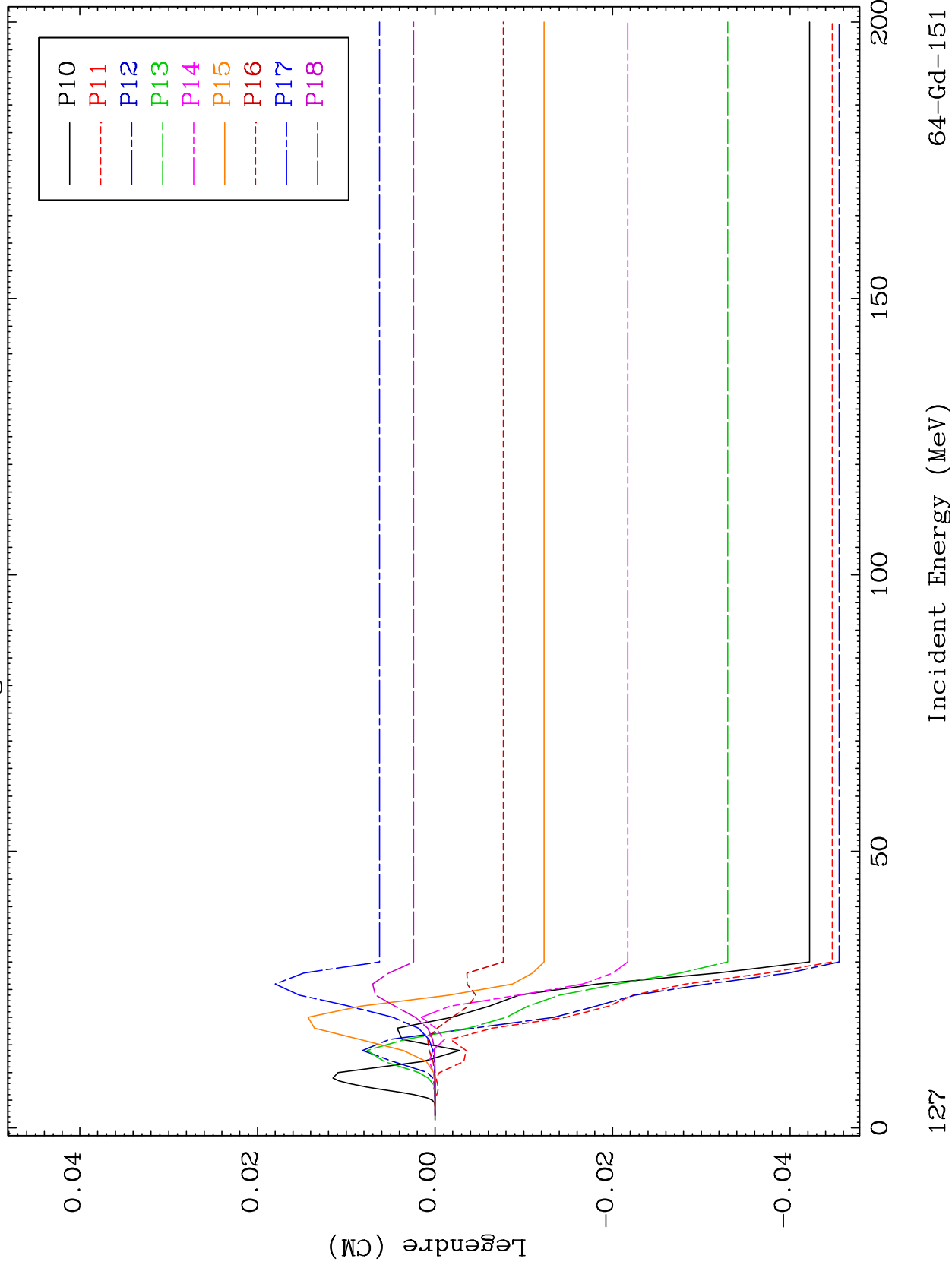




MAT 6422

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

64-Gd-151



127

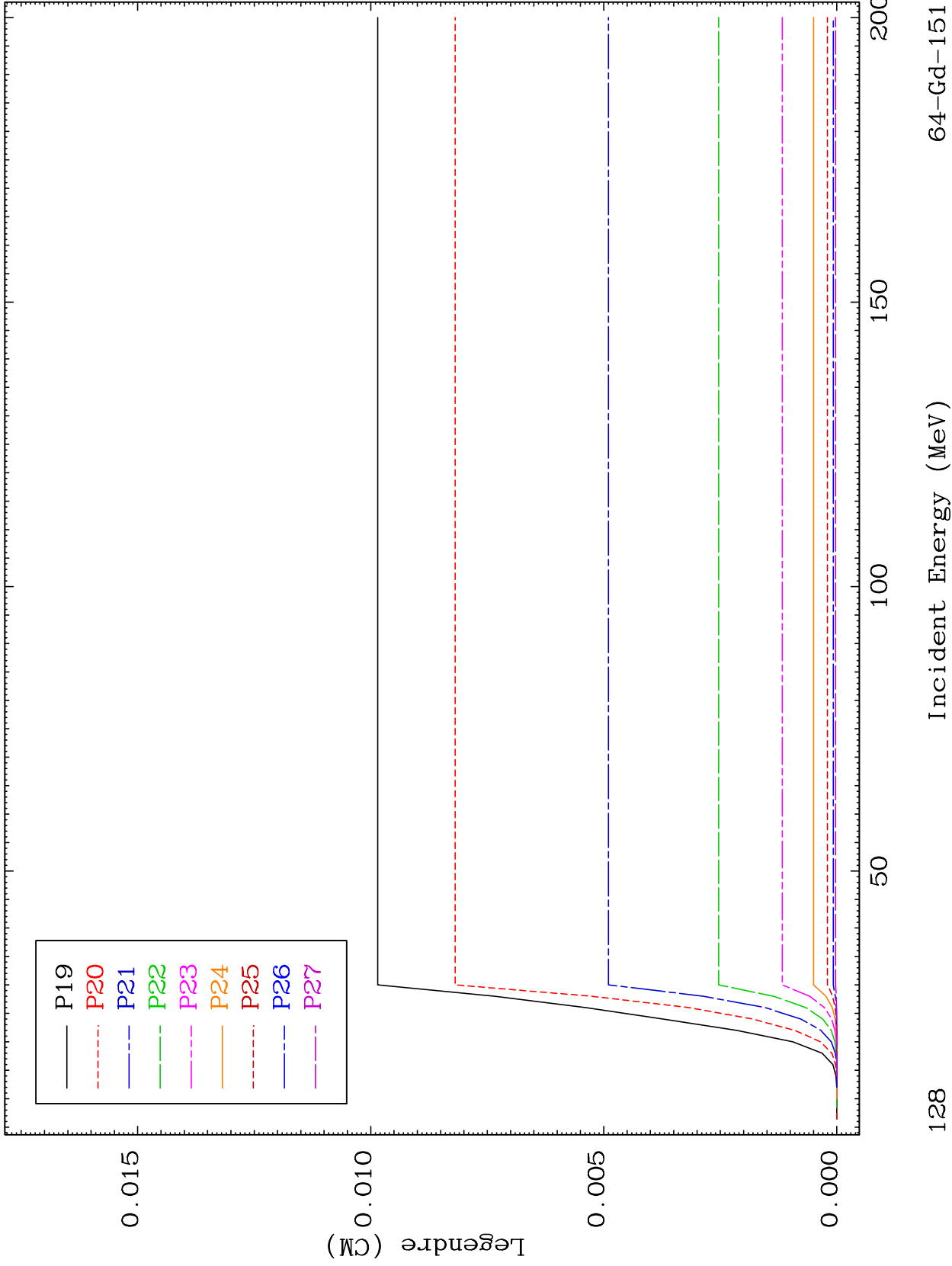
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



128

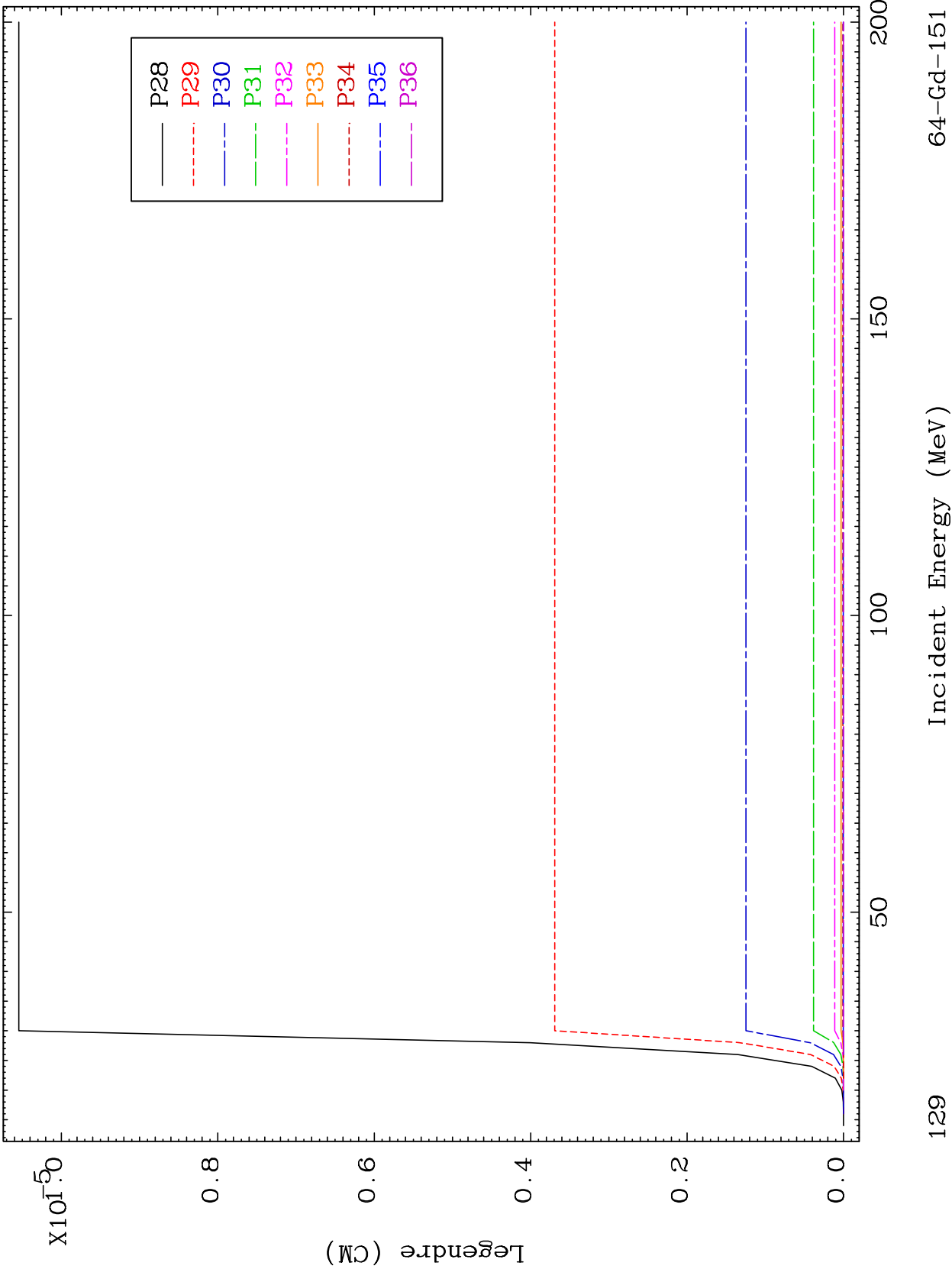
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



129

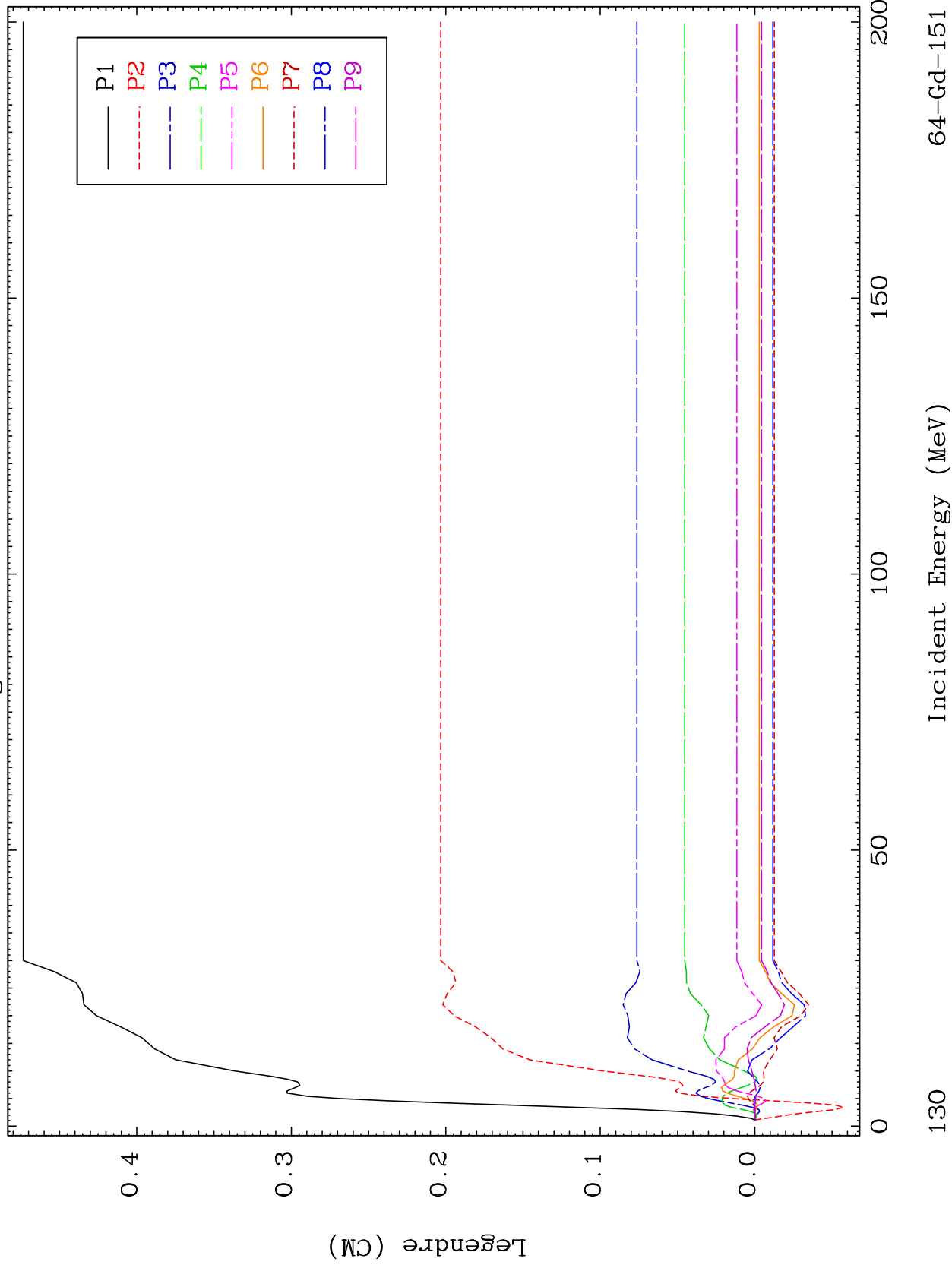
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



64-Gd-151

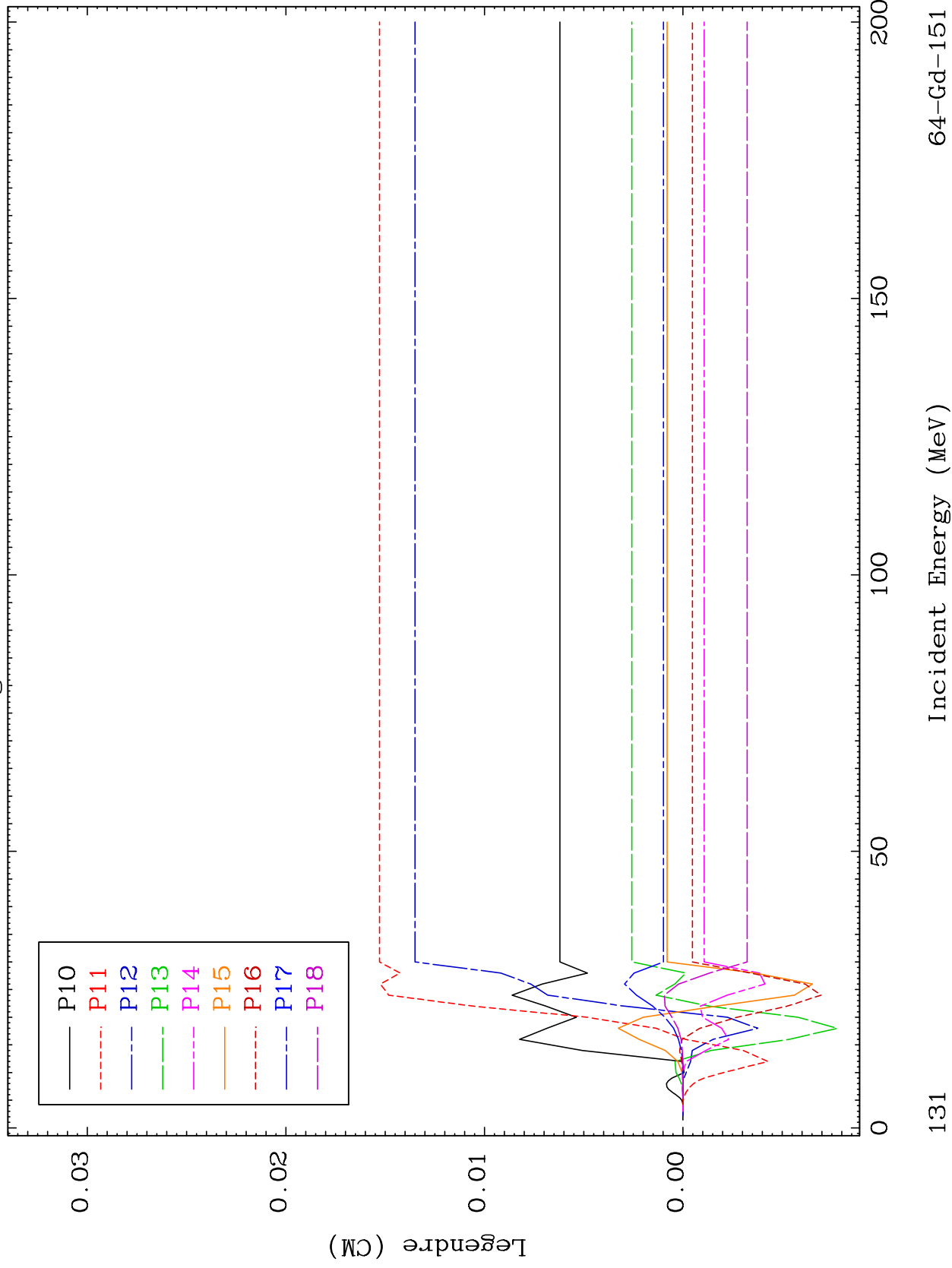
Incident Energy (MeV)

130

MAT 6422

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

64-Gd-151



131

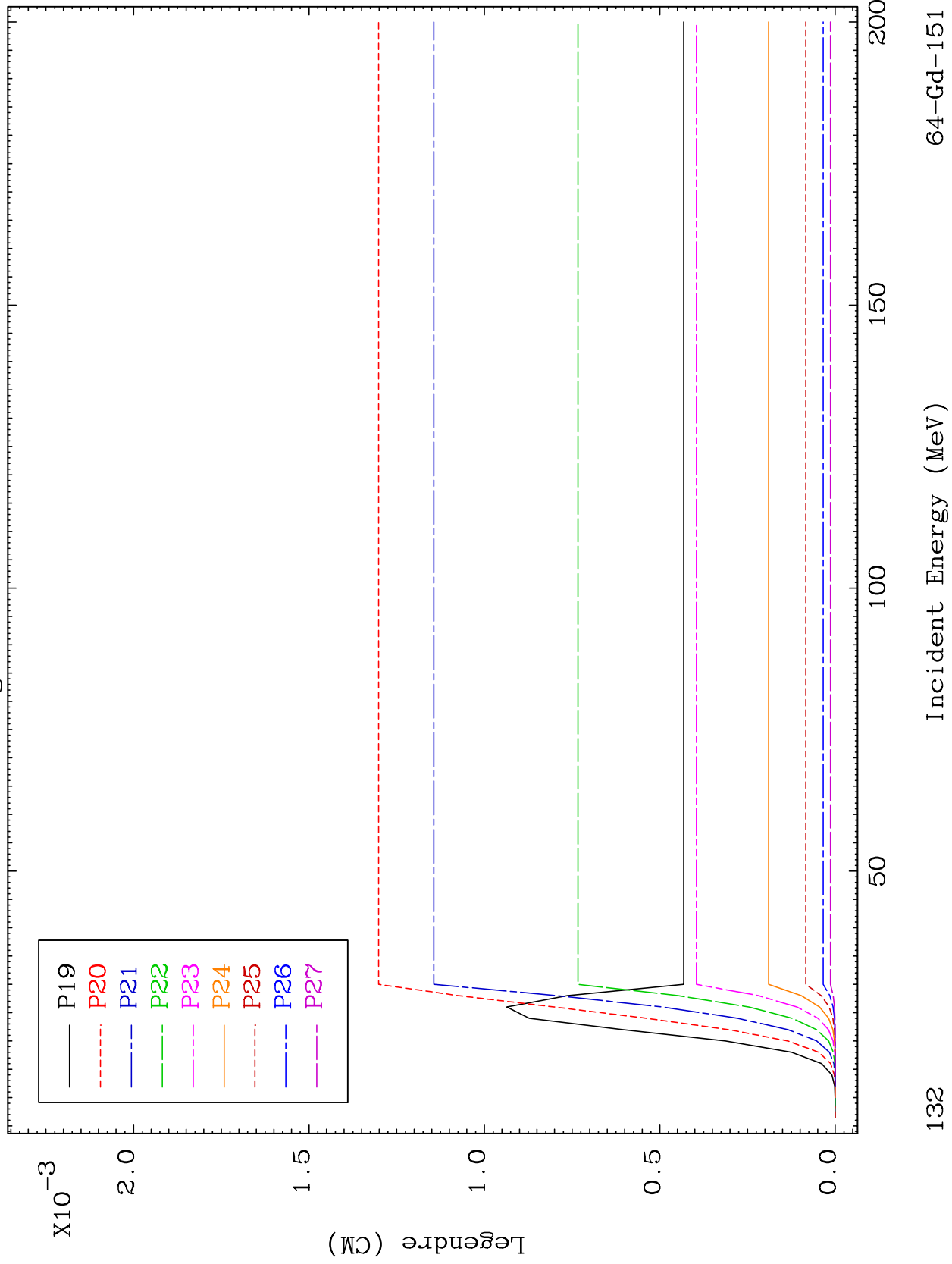
Incident Energy (MeV)

64-Gd-151

MAT 6422

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

64-Gd-151



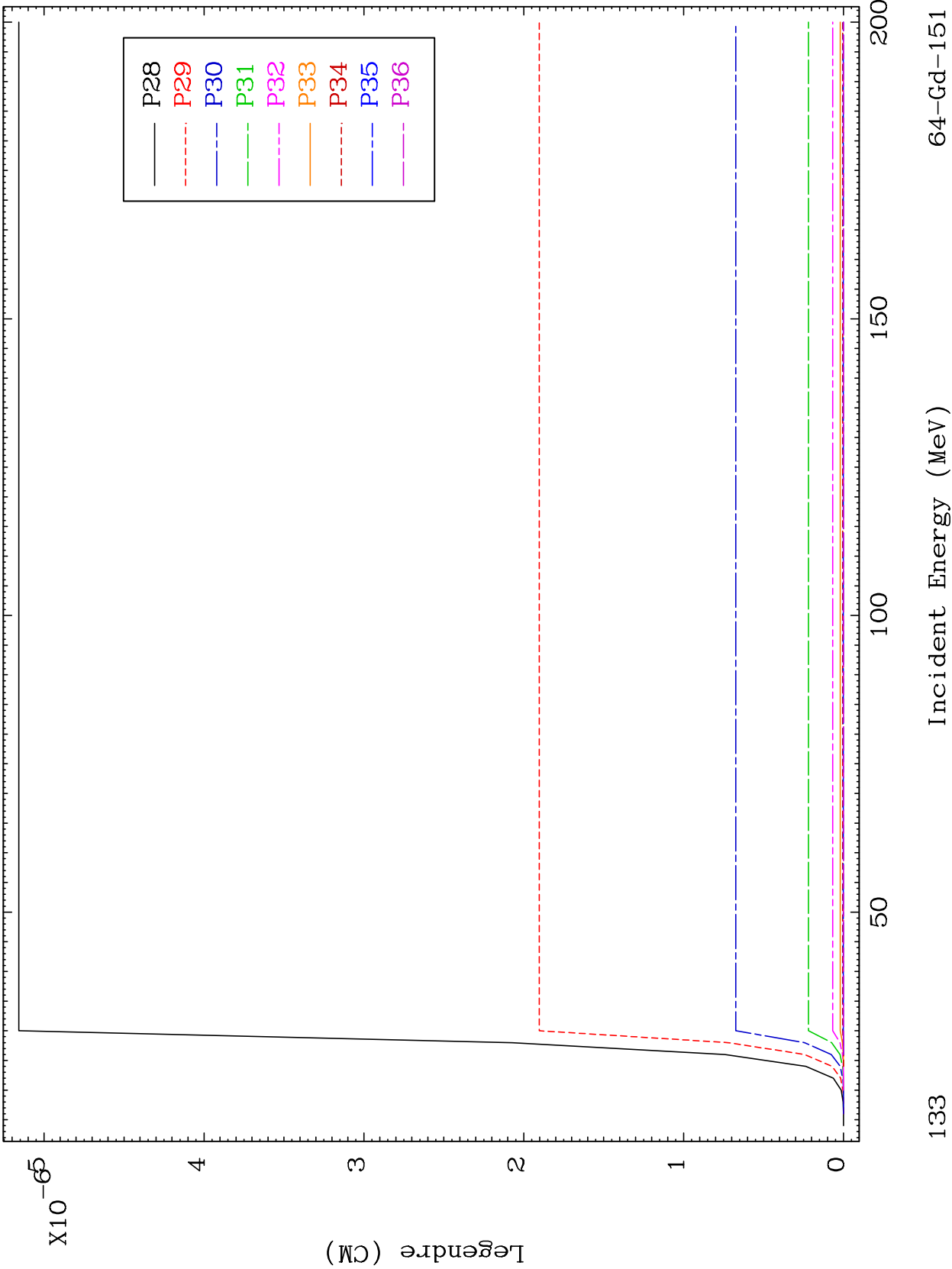
132

64-Gd-151

MAT 6422

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

64-Gd-151

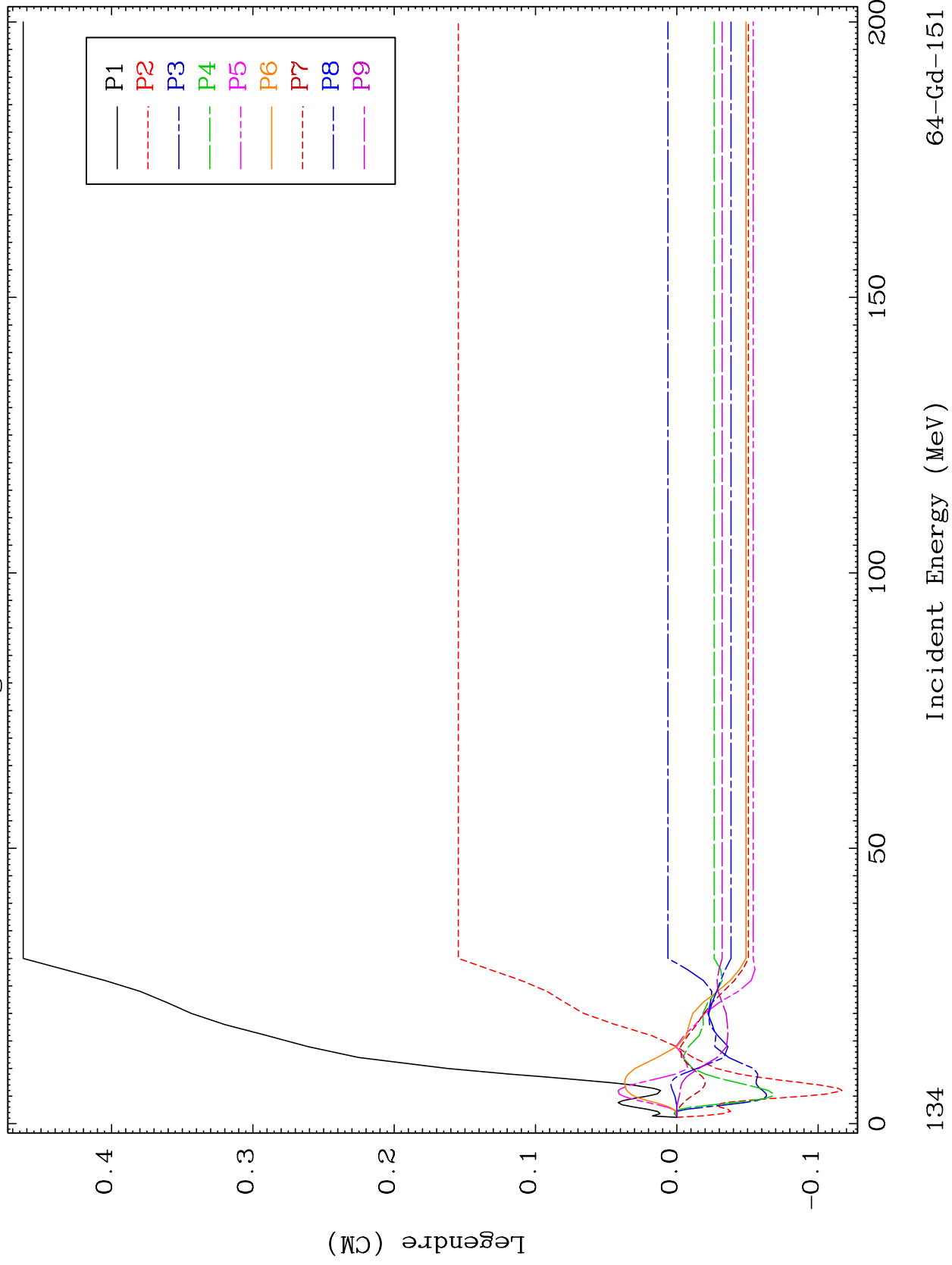


133

MAT 6422

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

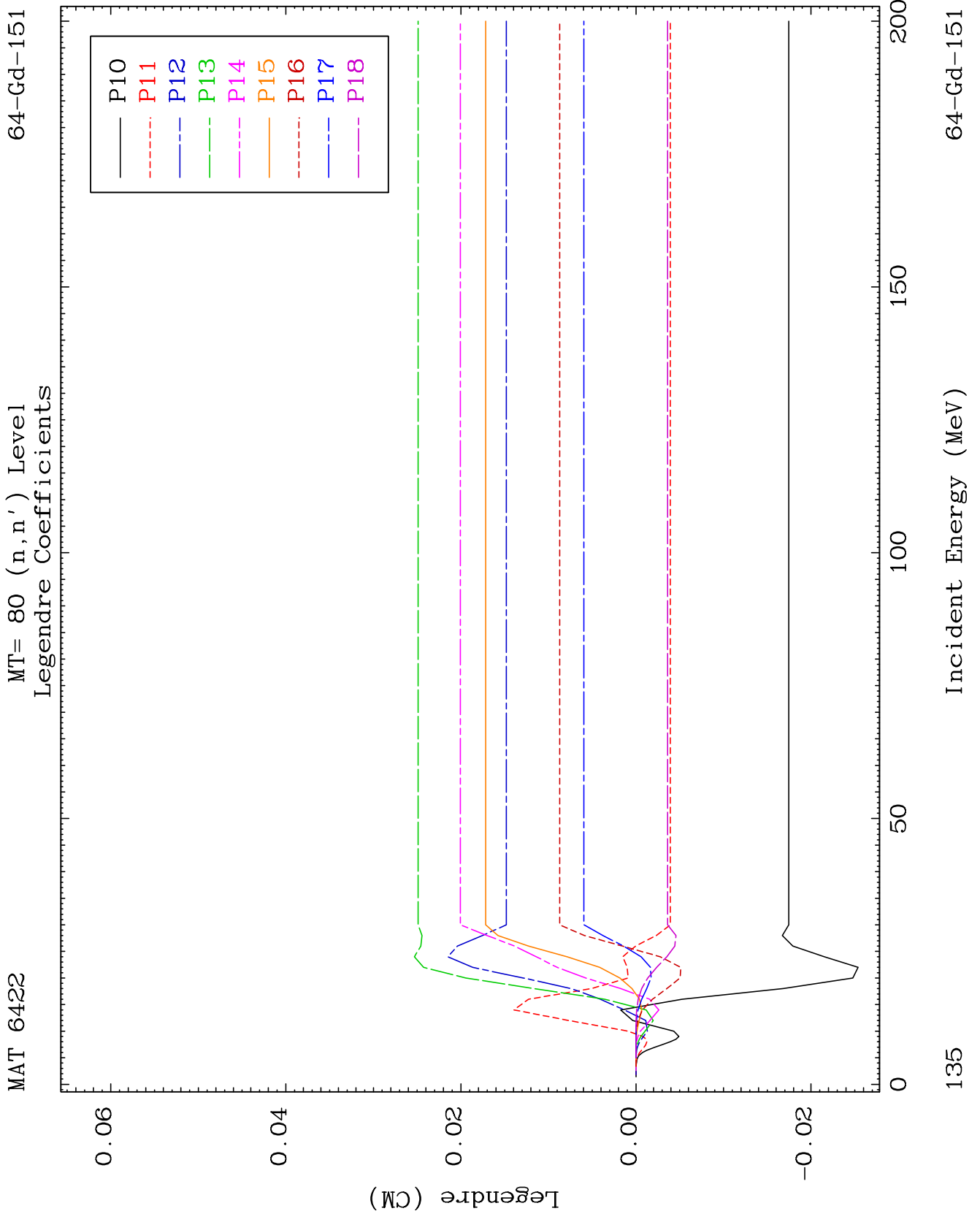
64-Gd-151



64-Gd-151

Incident Energy (MeV)

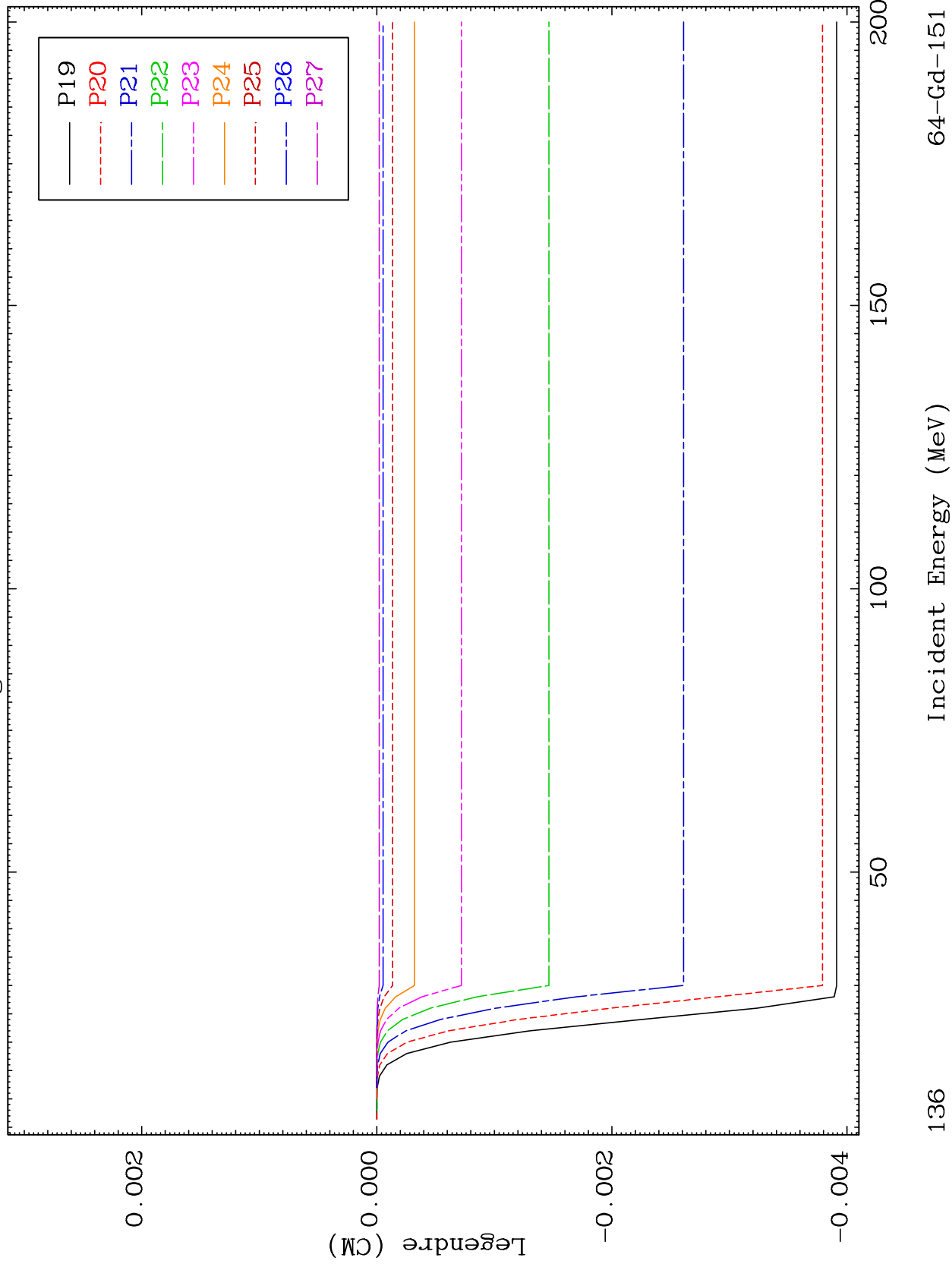
134



MAT 6422

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

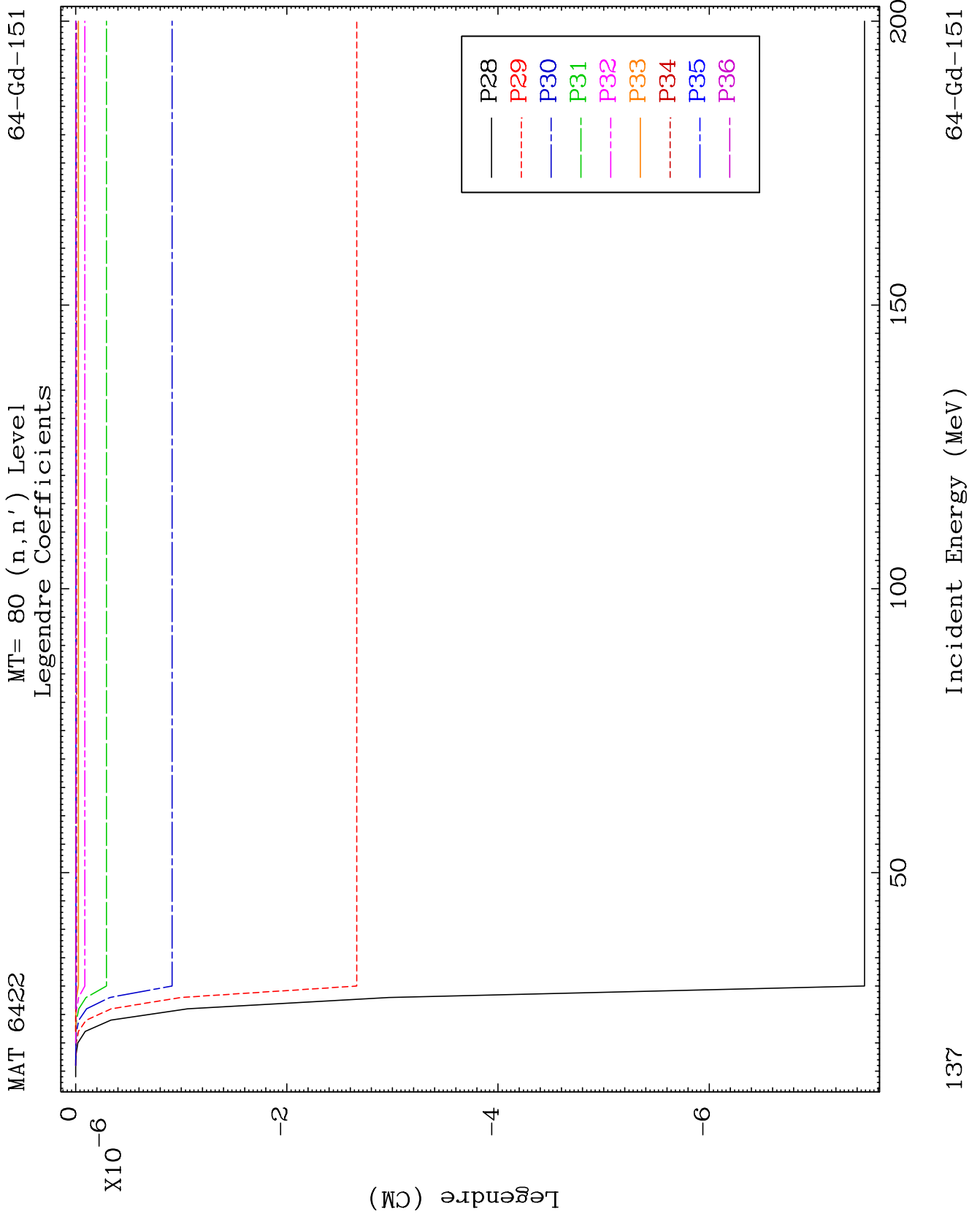
64-Gd-151



136

Incident Energy (MeV)

64-Gd-151

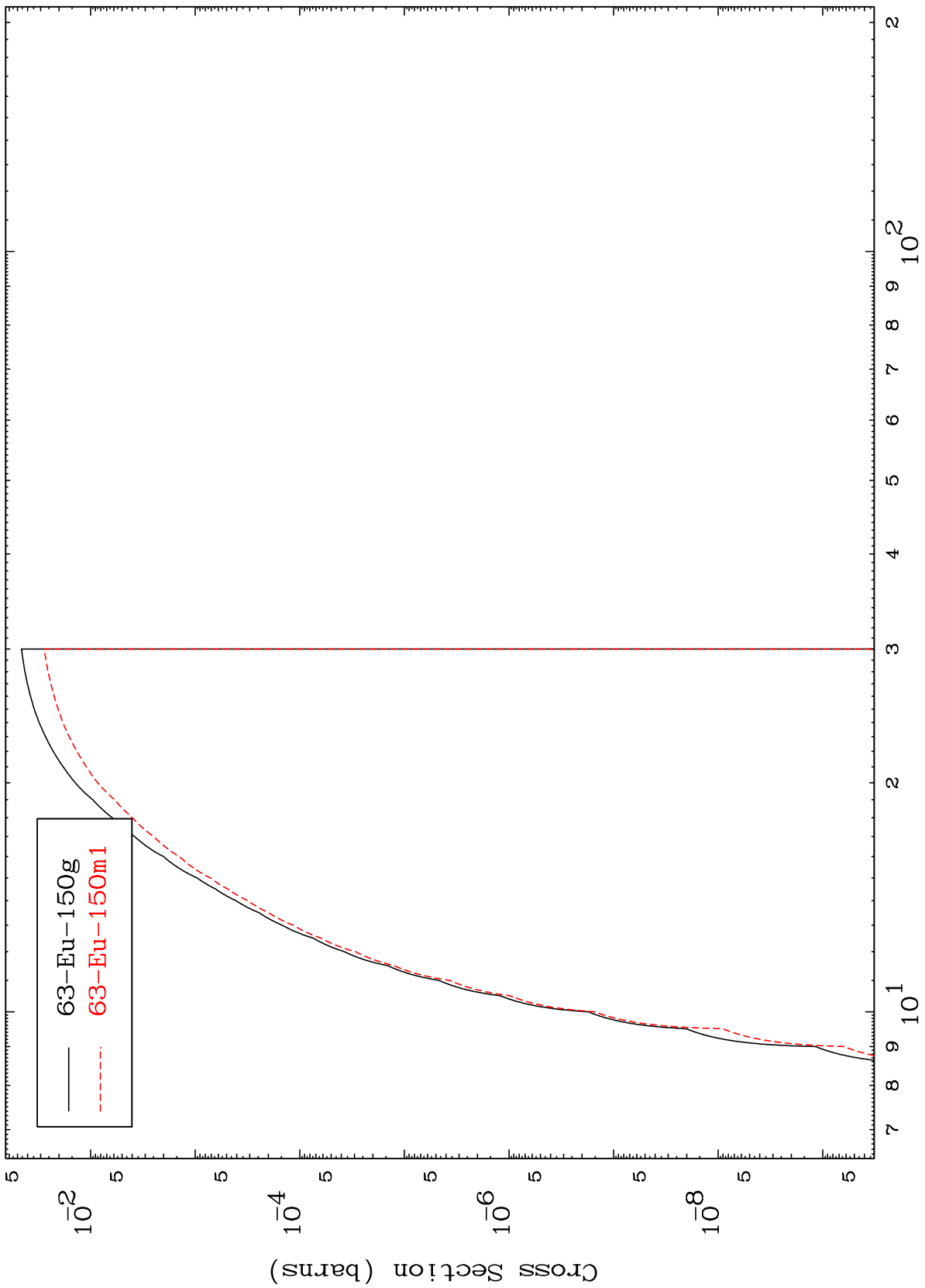


MAT 6422

(n,n') p

64-Gd-151

Radionuclide Production Cross Section



138

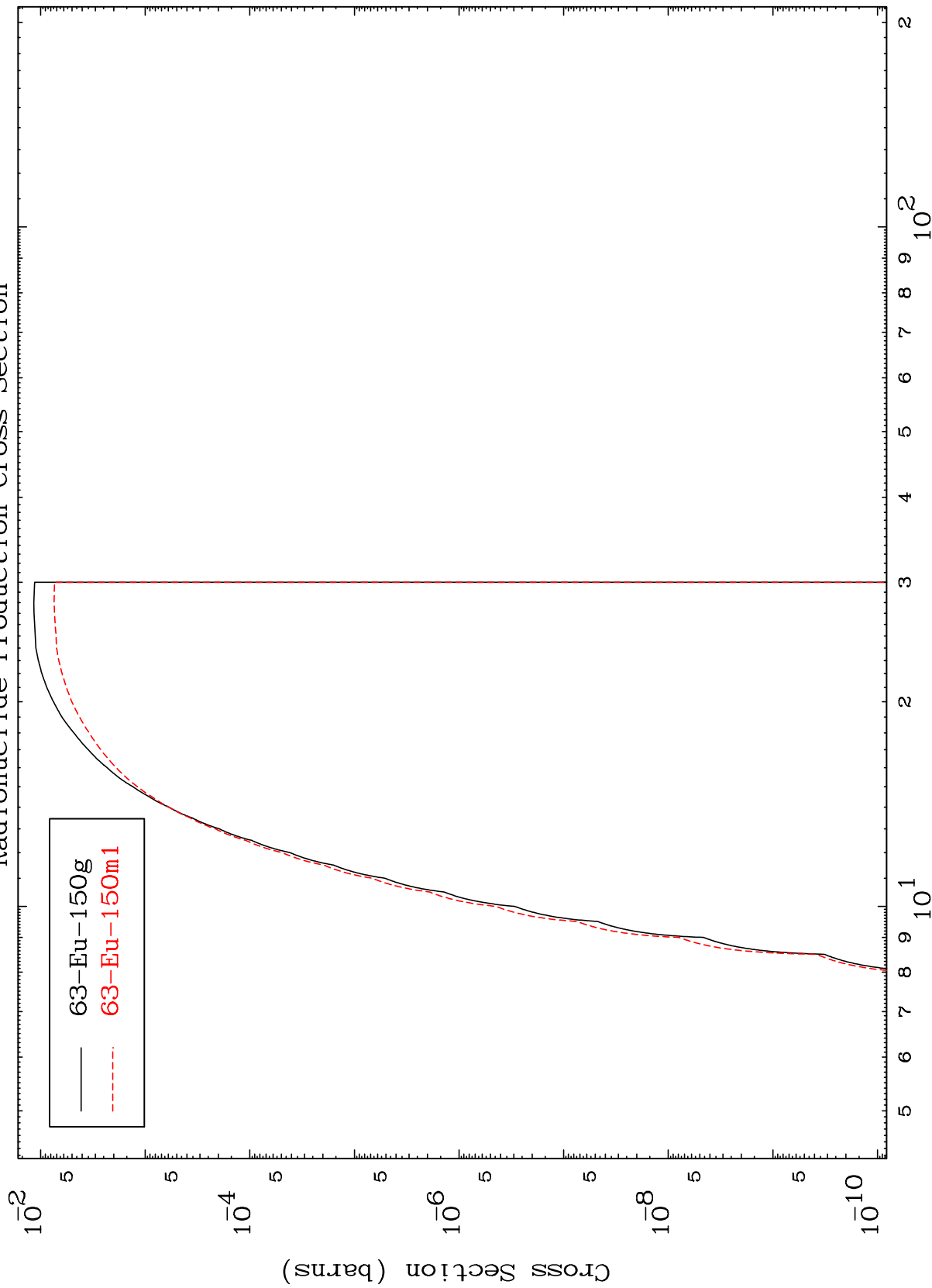
Incident Energy (MeV)

64-Gd-151

MAT 6422

64-Gd-151

(n,d)
Radionuclide Production Cross Section



139

Incident Energy (MeV)

64-Gd-151