

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

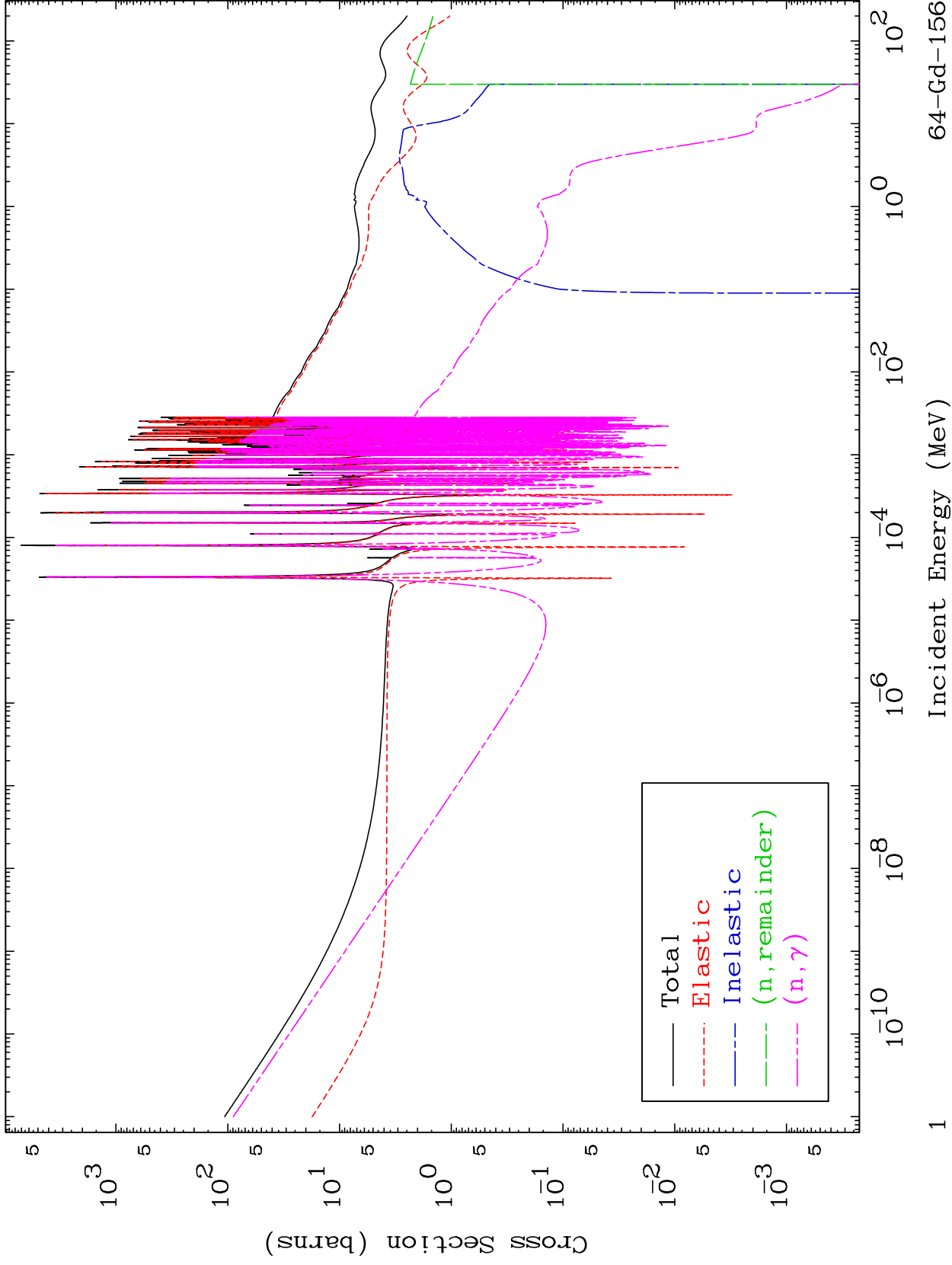
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6437

Major
293 Kelvin Cross Sections

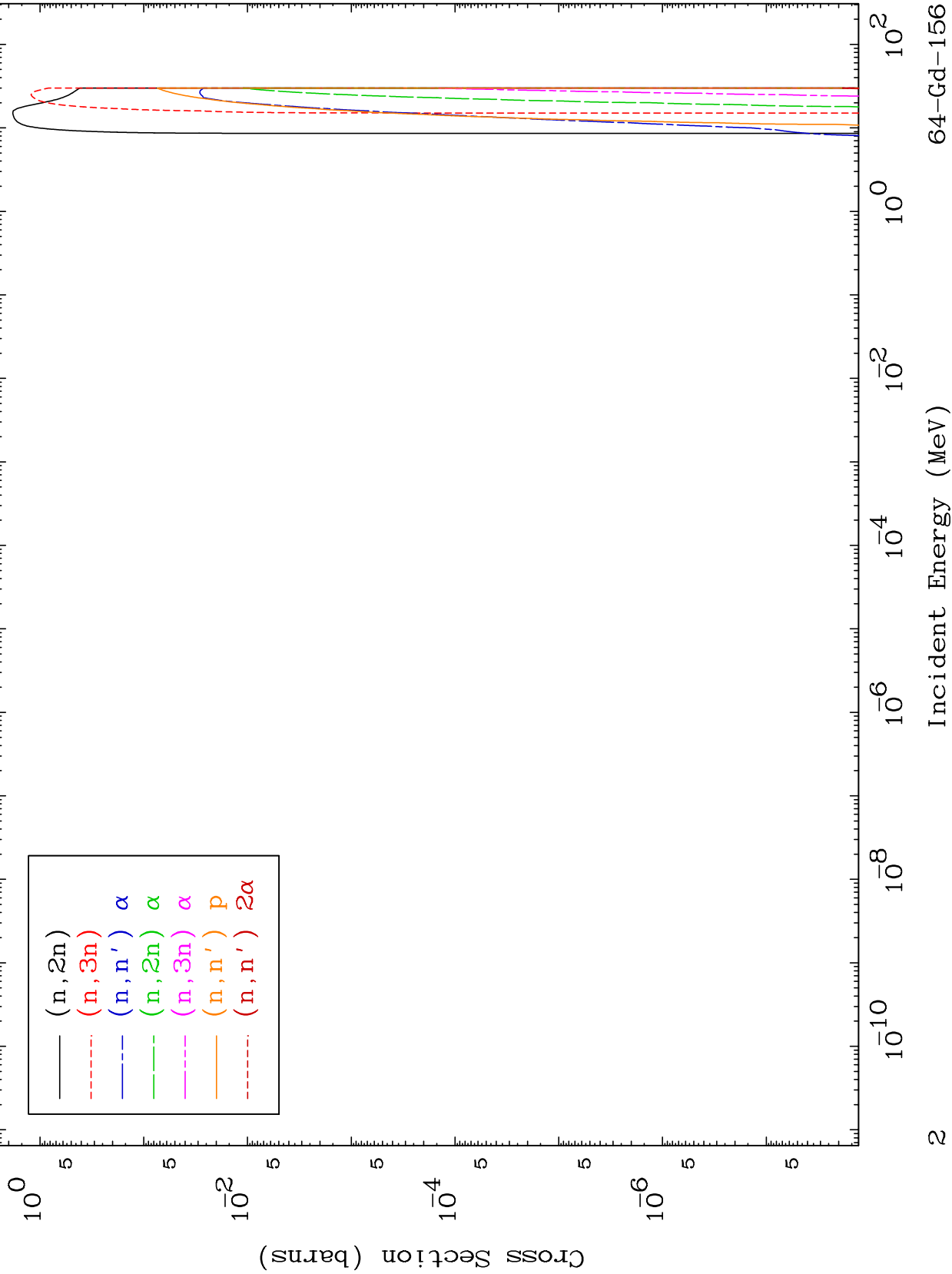
64-Gd-156

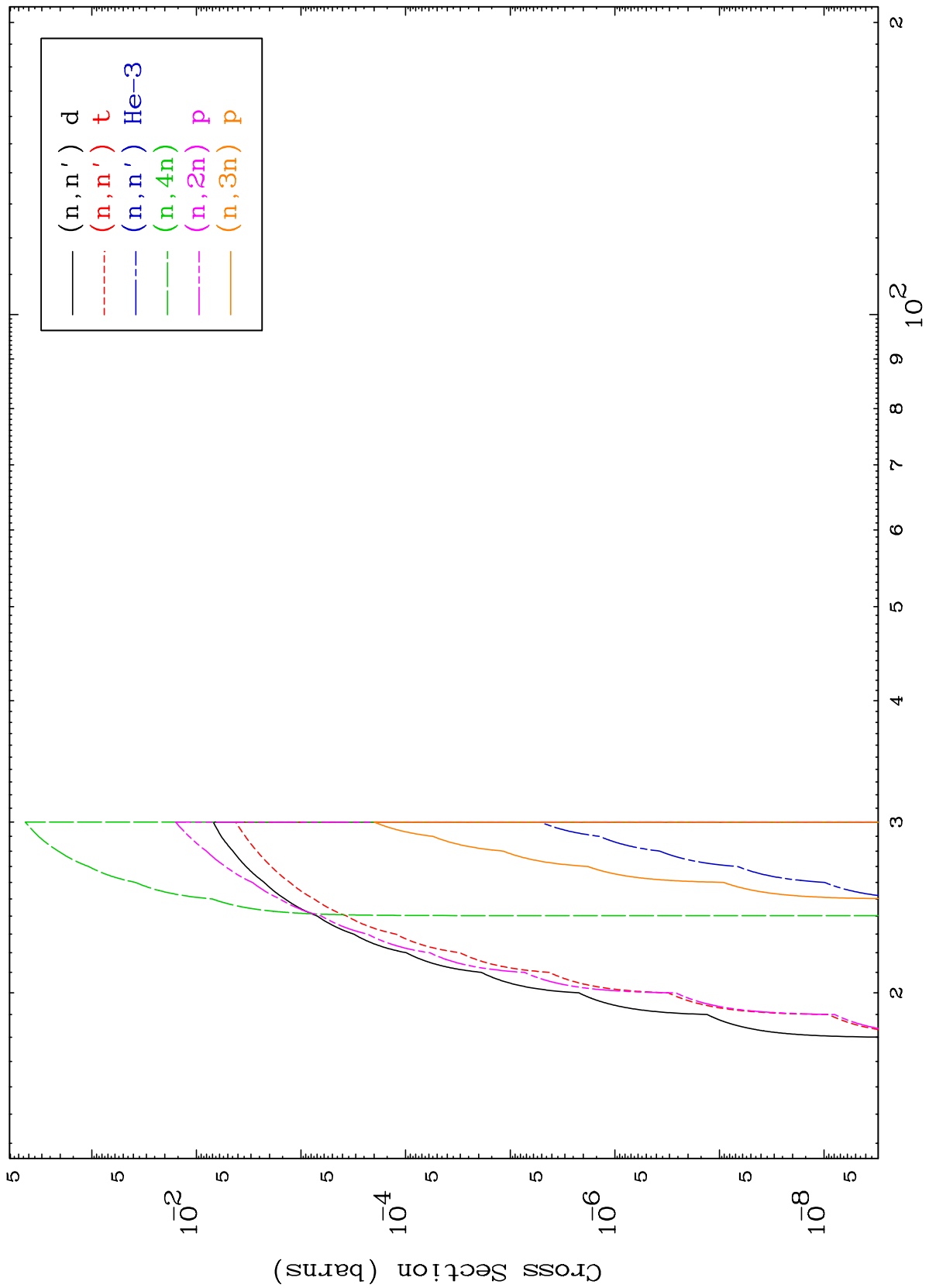


MAT 6437

Neutron Production
293 Kelvin Cross Sections

64-Gd-156

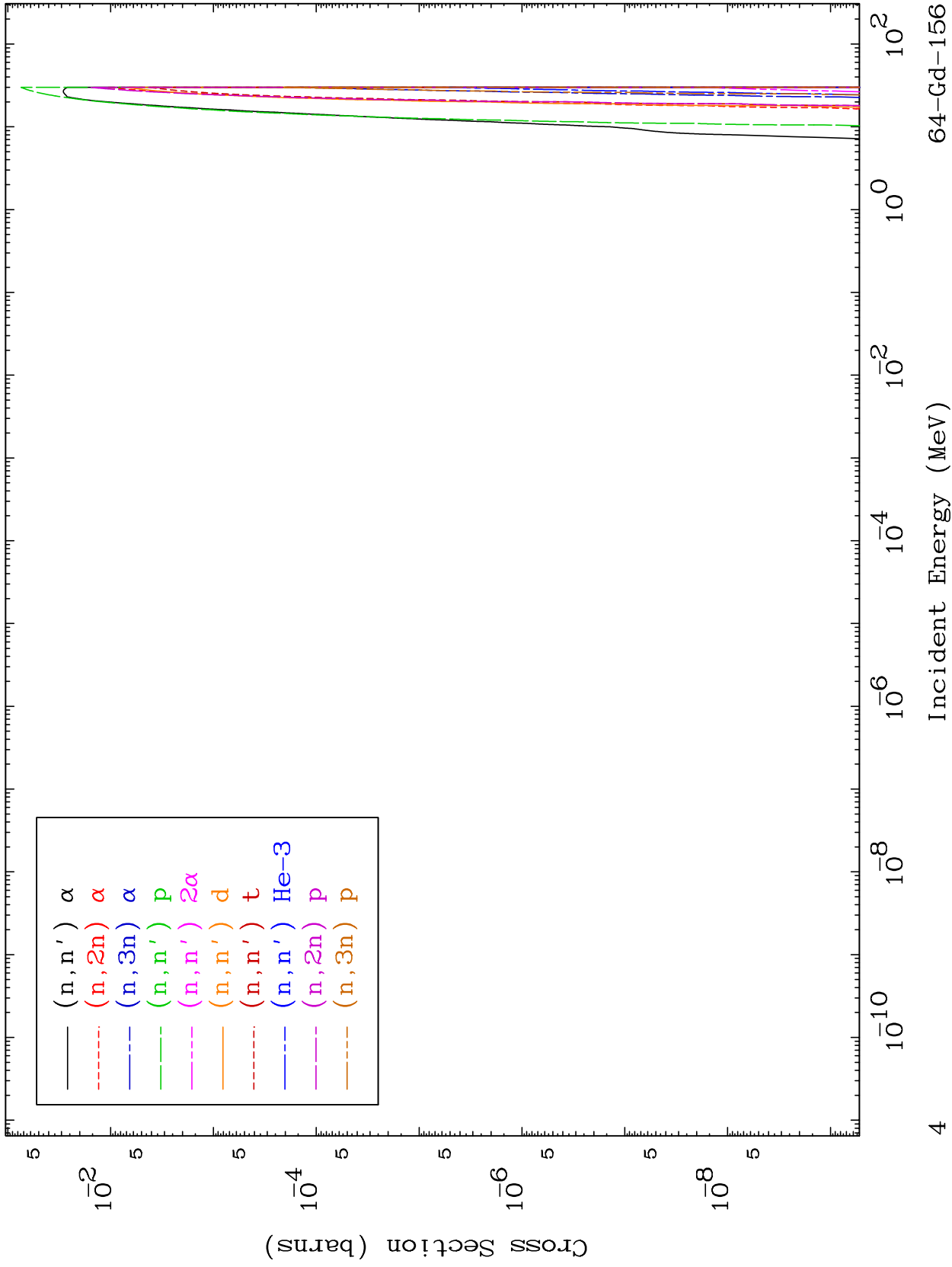




MAT 6437

Charged Particle
293 Kelvin Cross Sections

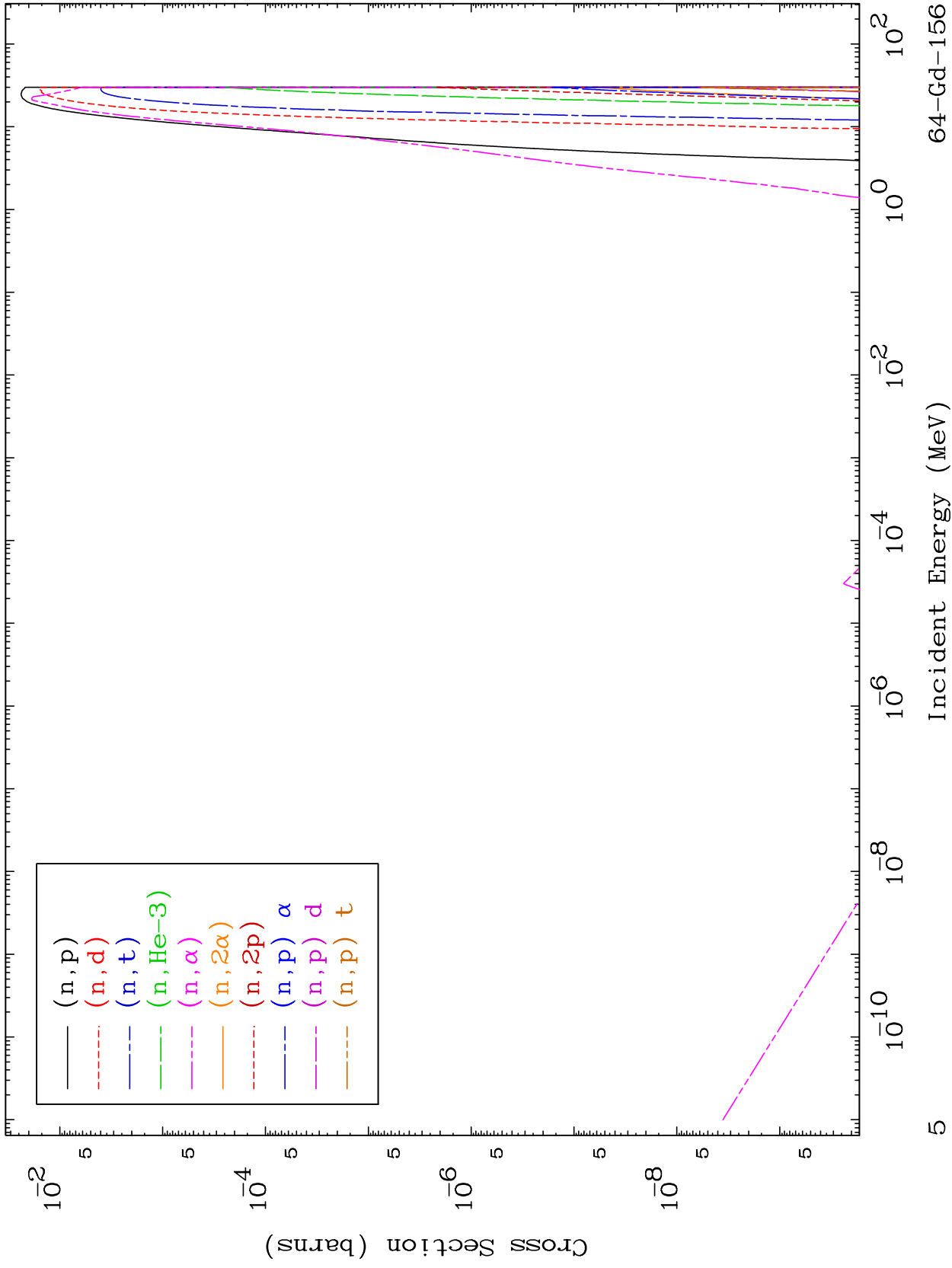
64-Gd-156



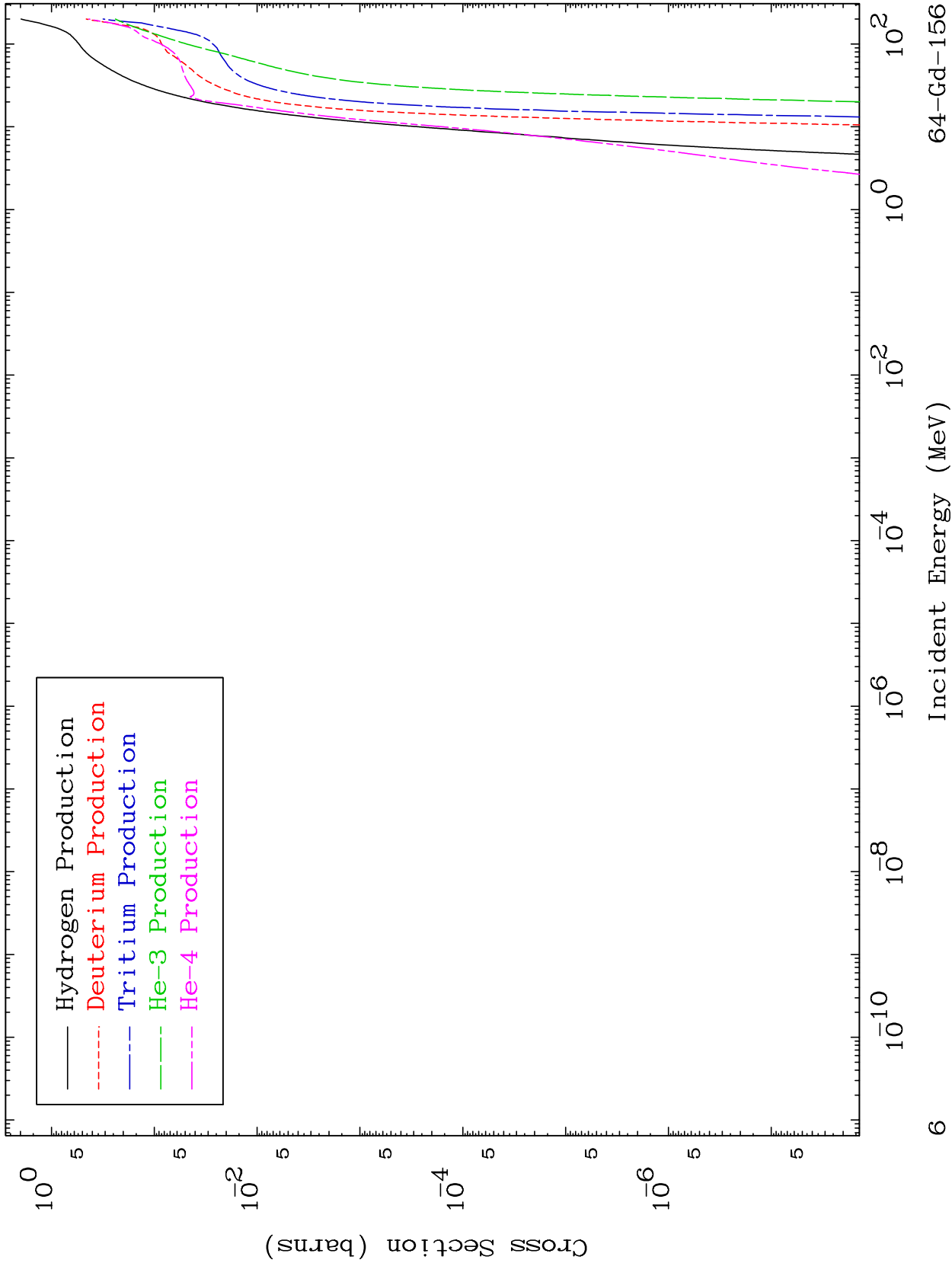
MAT 6437

Charged Particle
293 Kelvin Cross Sections

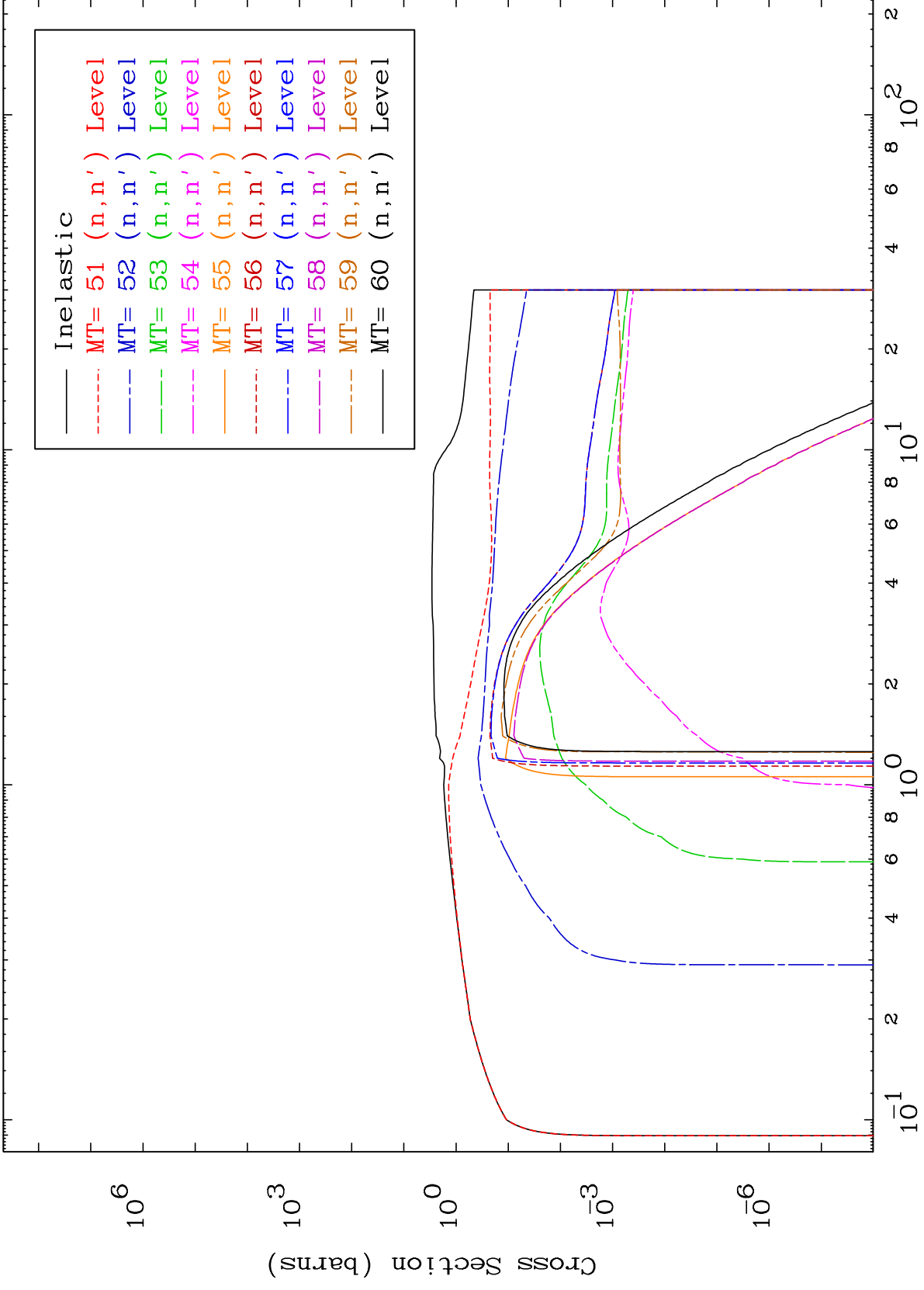
64-Gd-156



5



293 Kelvin Cross Sections

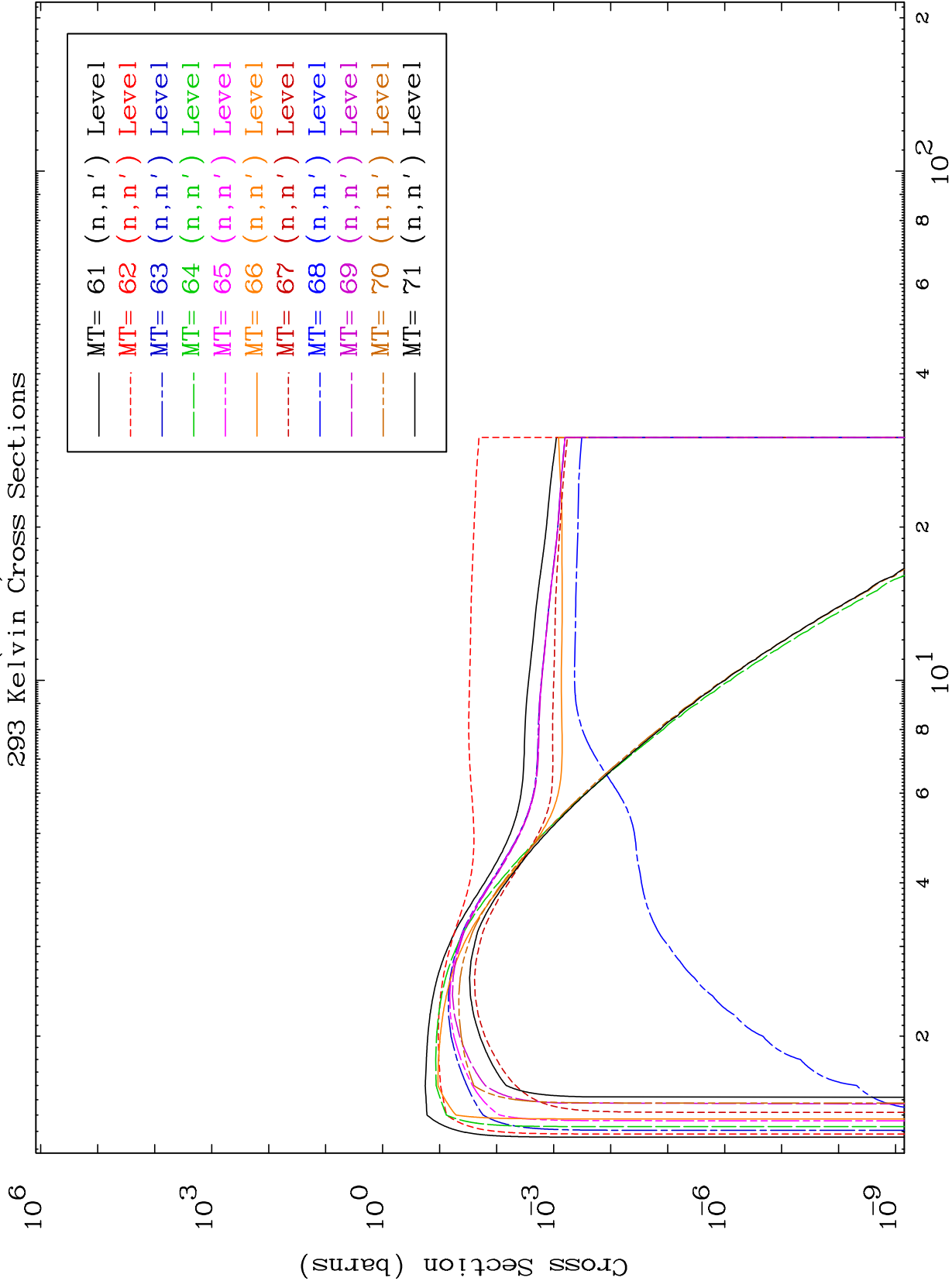


MAT 6437

(n,n') Level

64-Gd-156

293 Kelvin Cross Sections



8

Incident Energy (MeV)

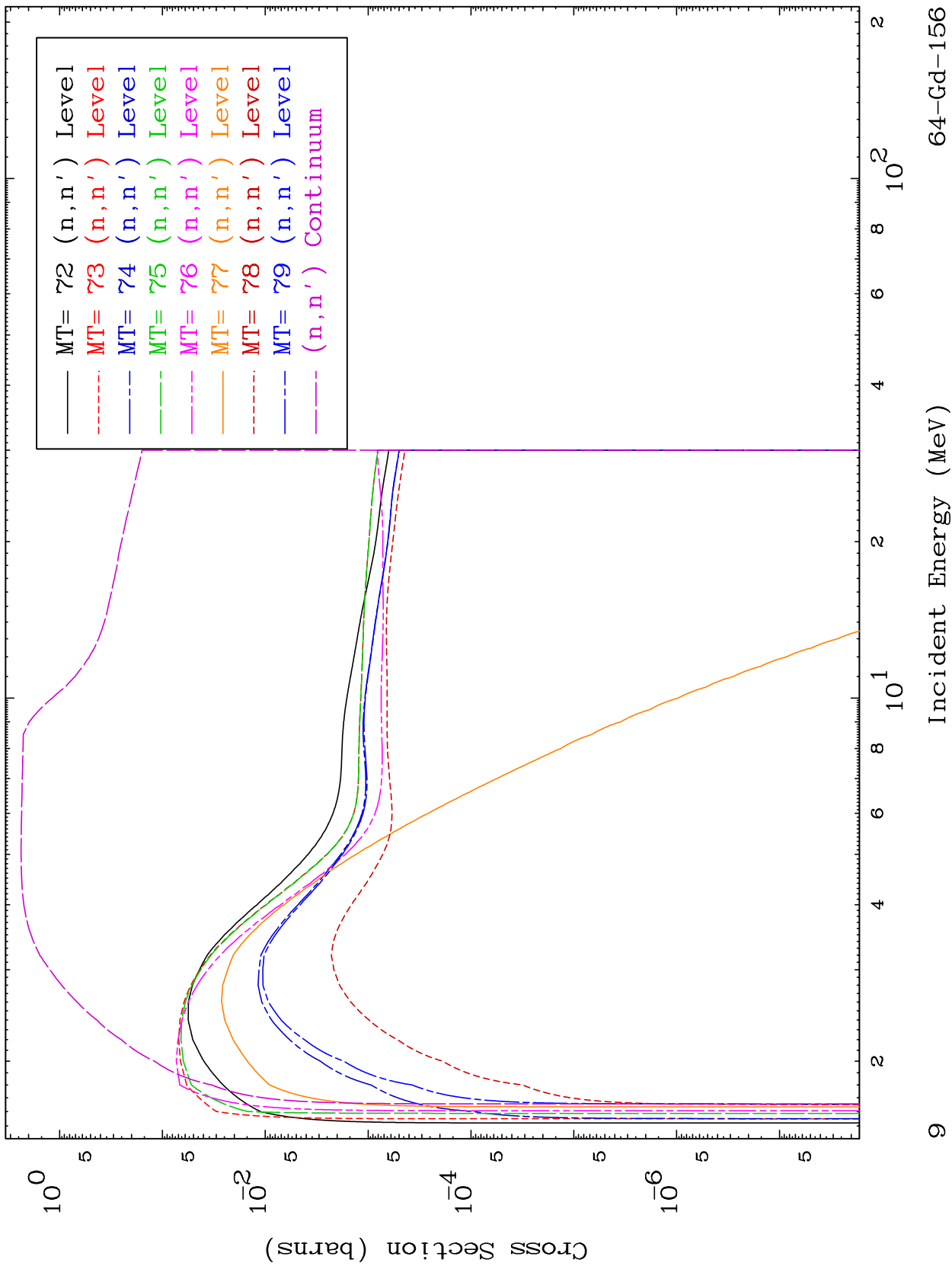
64-Gd-156

MAT 6437

(n,n') Level

64-Gd-156

293 Kelvin Cross Sections



9

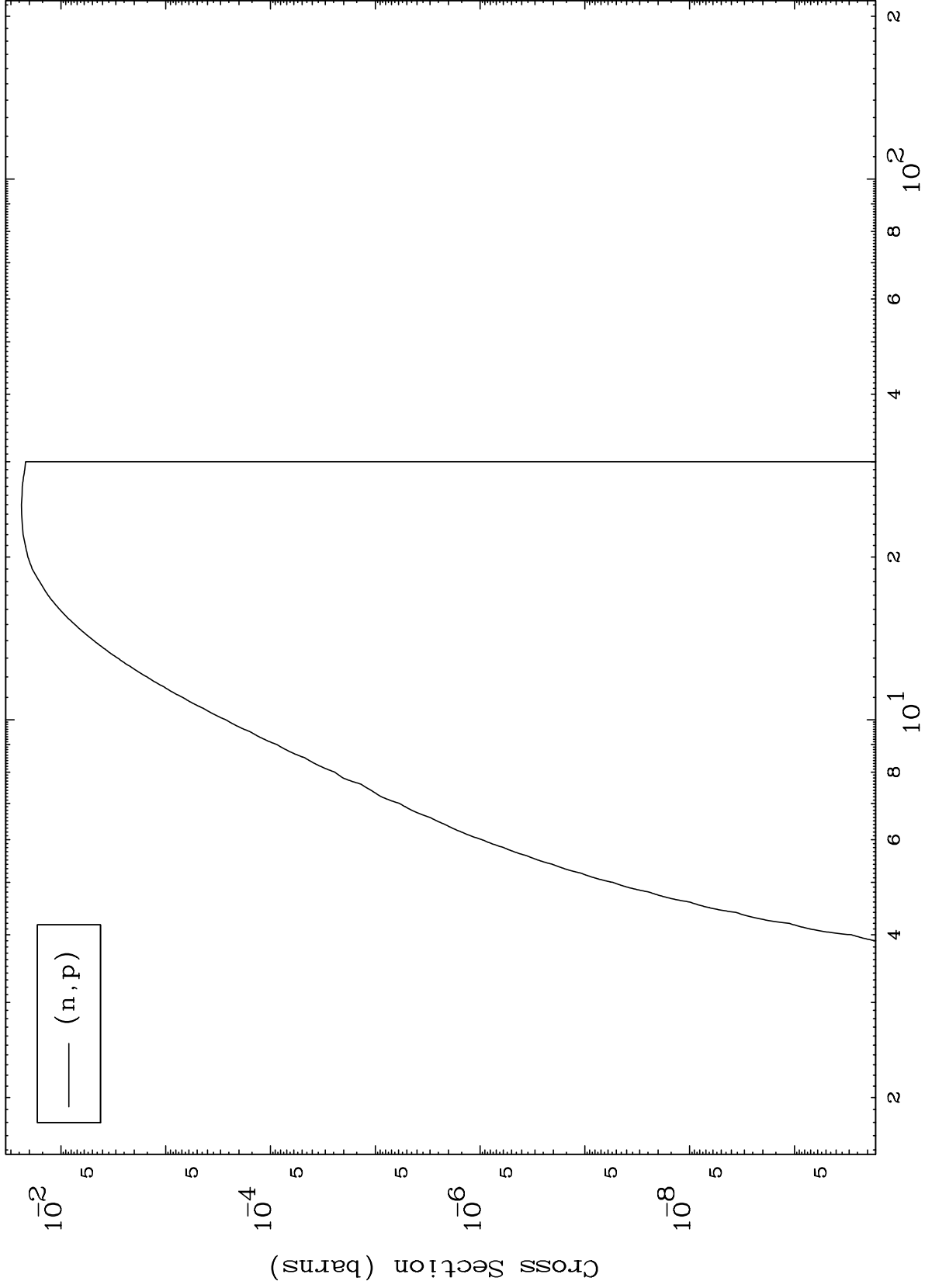
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-156



10

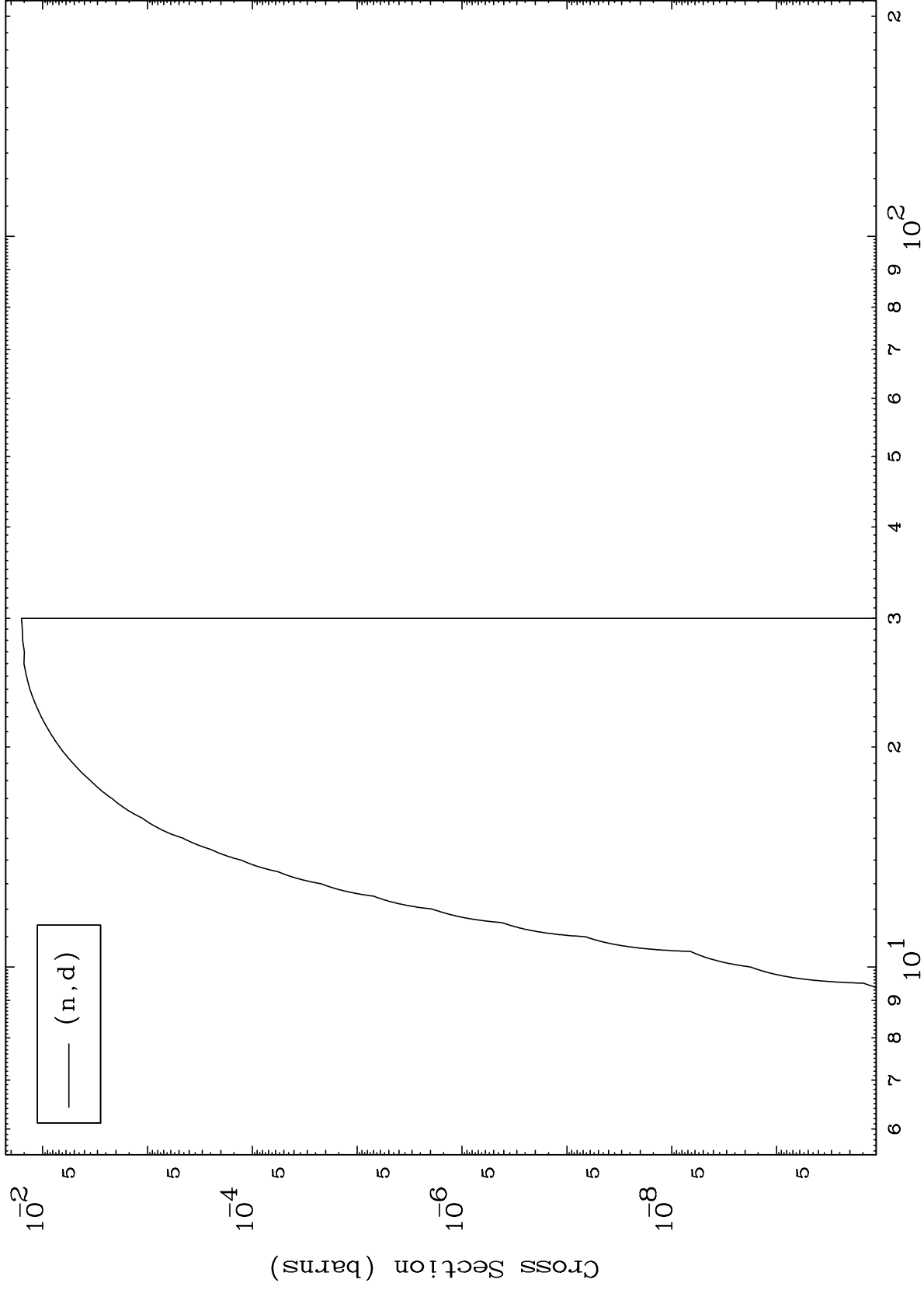
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-156



11

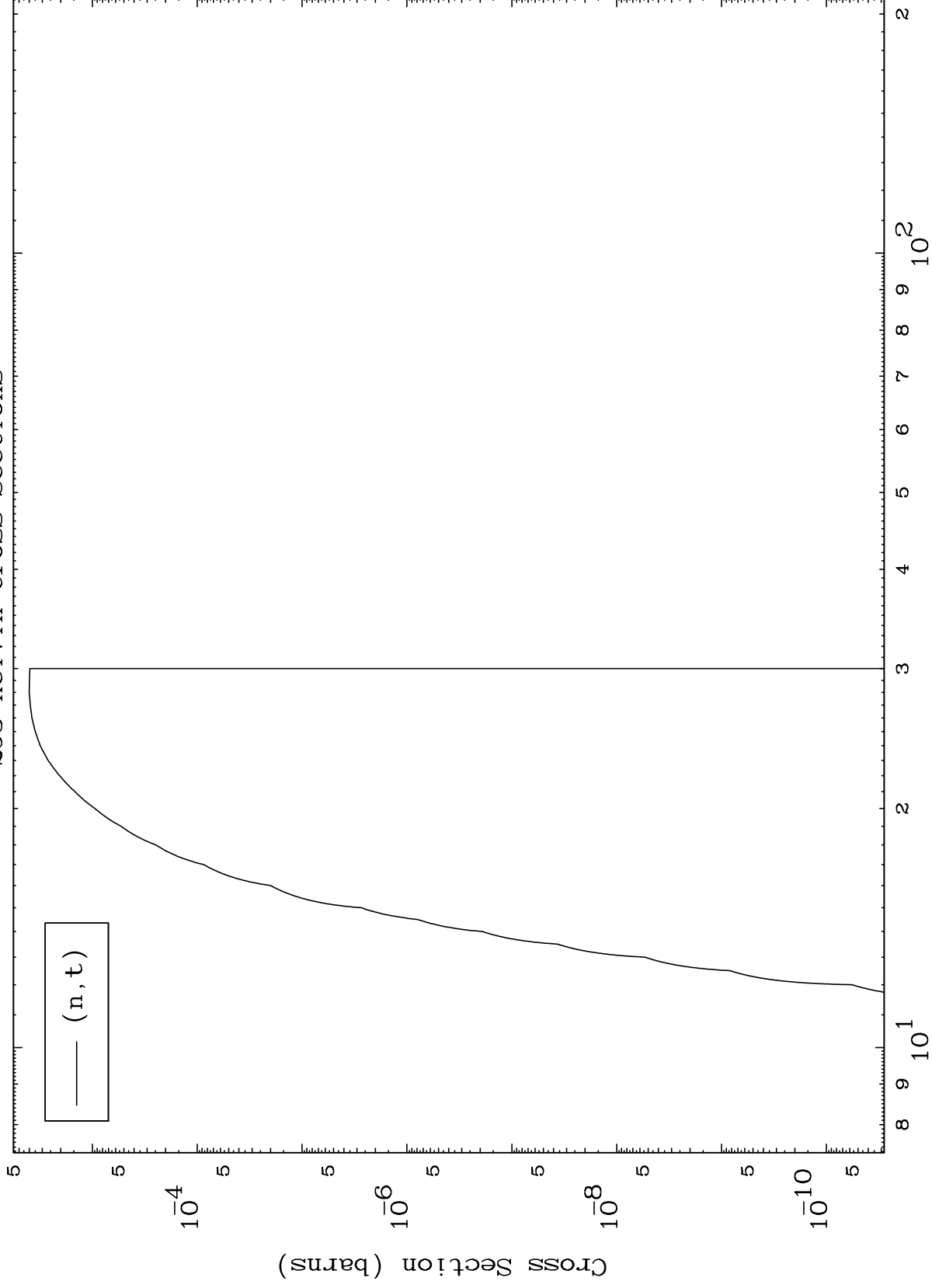
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-156



12

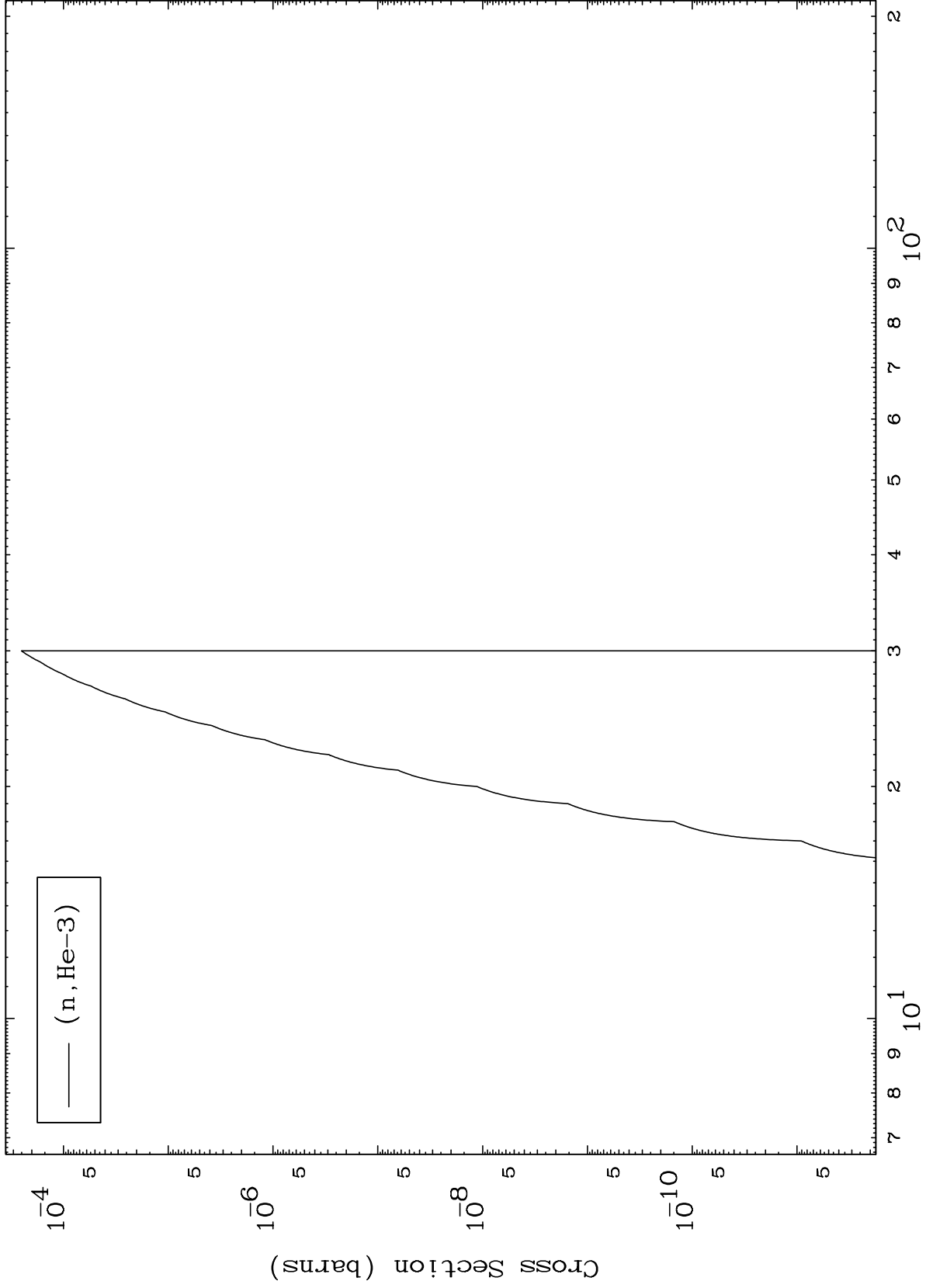
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-156



13

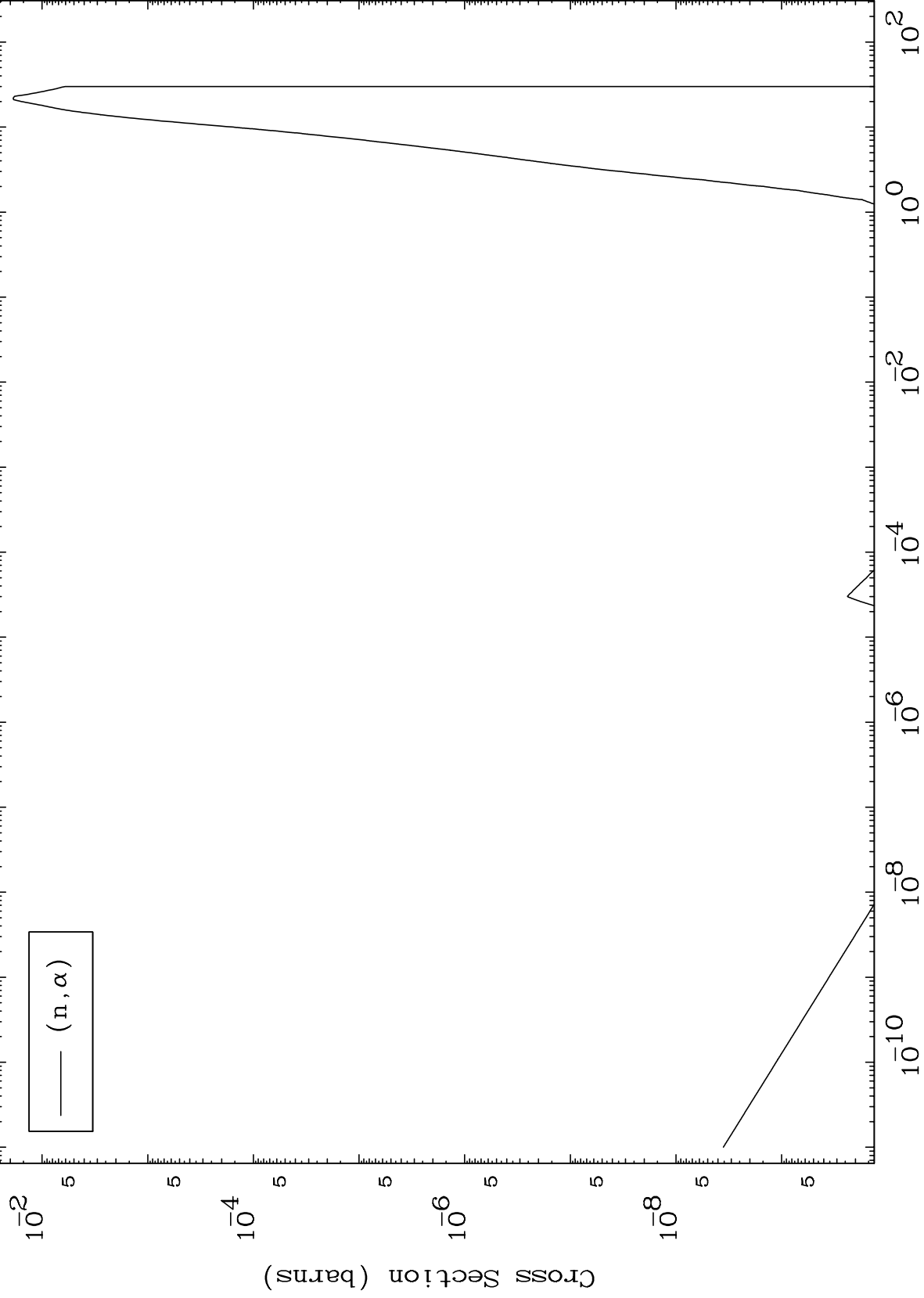
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n, α) Levels
293 Kelvin Cross Sections

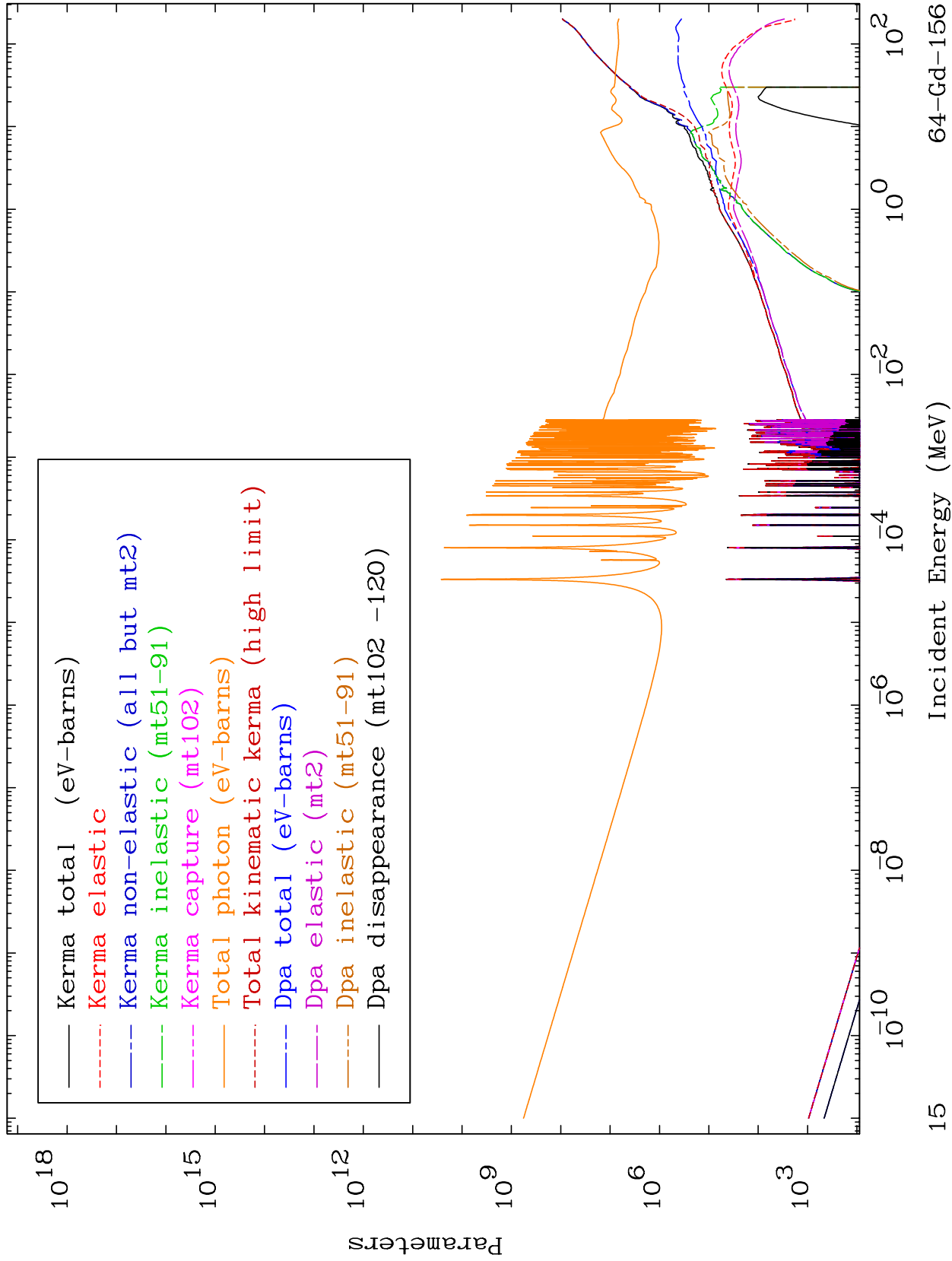
64-Gd-156



14

Incident Energy (MeV)

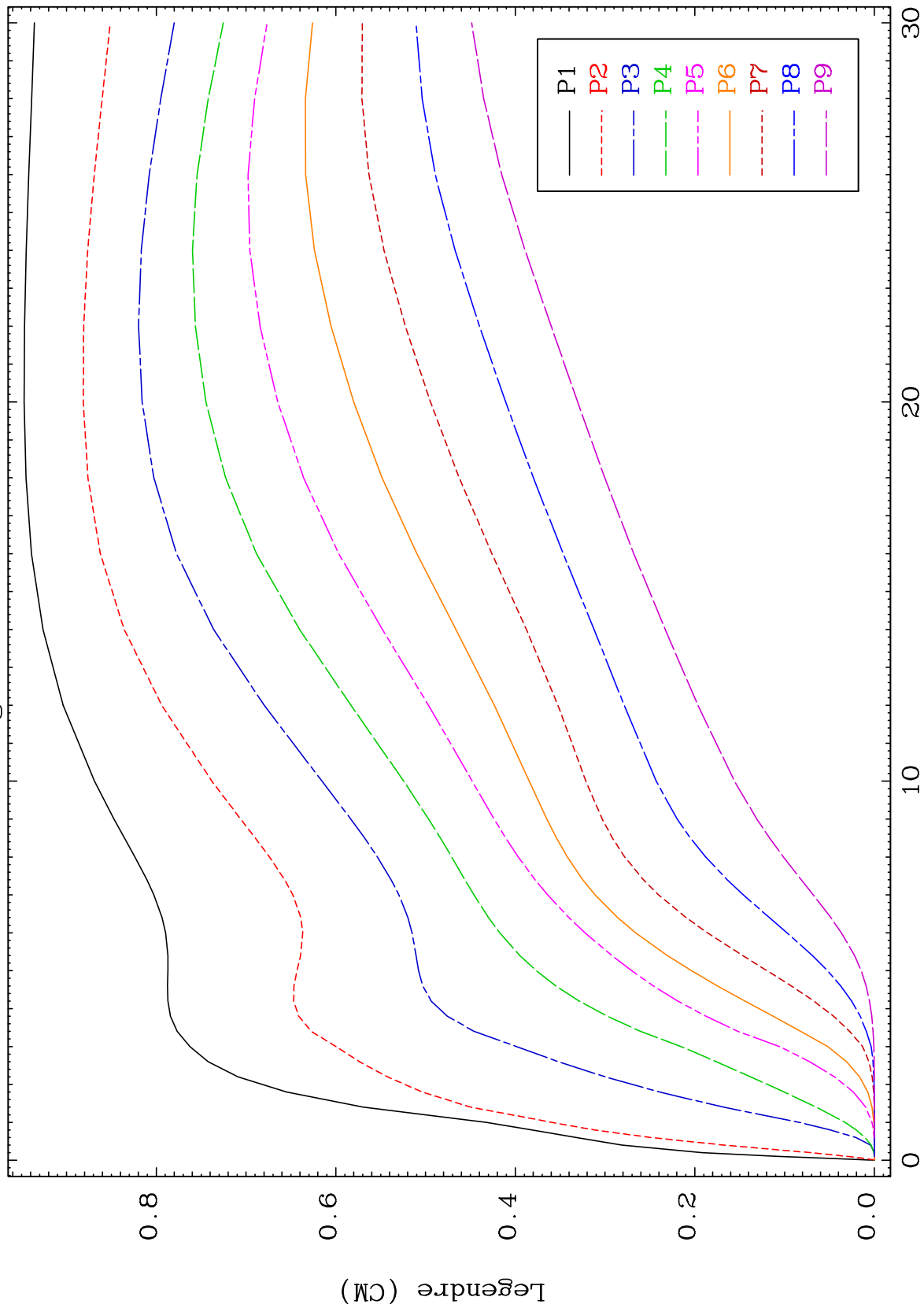
64-Gd-156



MAT 6437

Elastic Legendre Coefficients

64-Gd-156



16

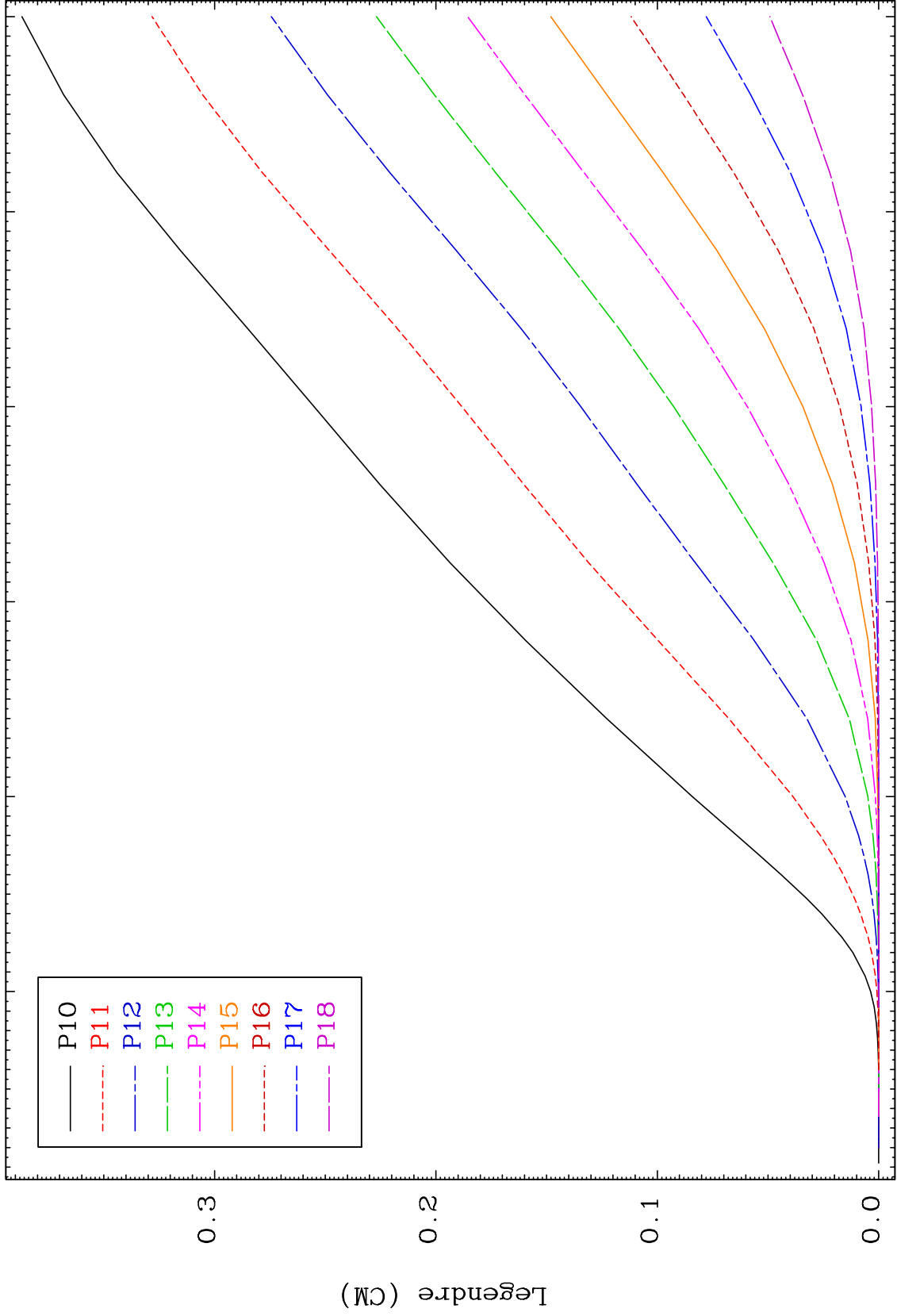
Incident Energy (MeV)

64-Gd-156

MAT 6437

Elastic Legendre Coefficients

64-Gd-156



17

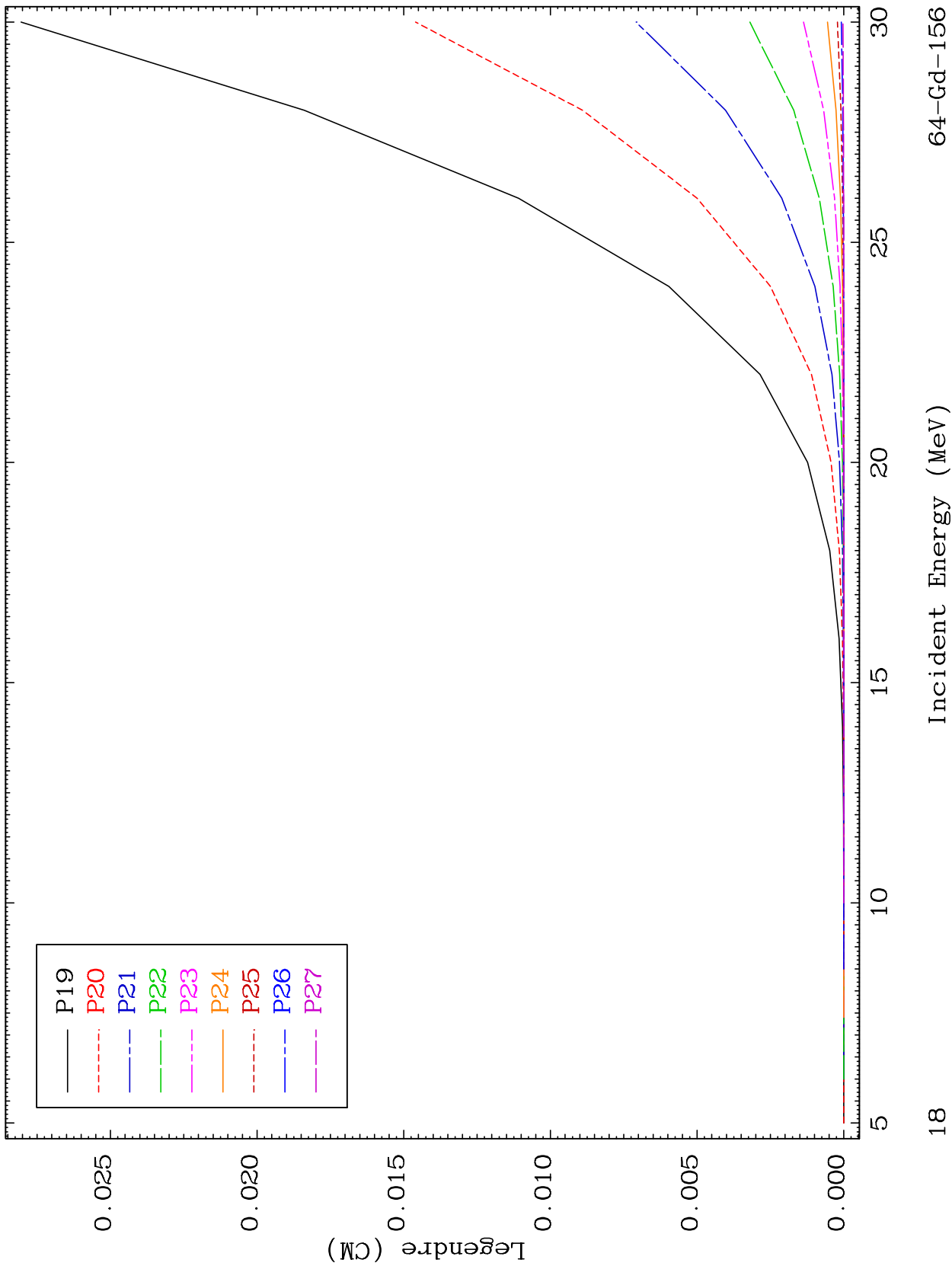
Incident Energy (MeV)

64-Gd-156

MAT 6437

Elastic Legendre Coefficients

64-Gd-156



18

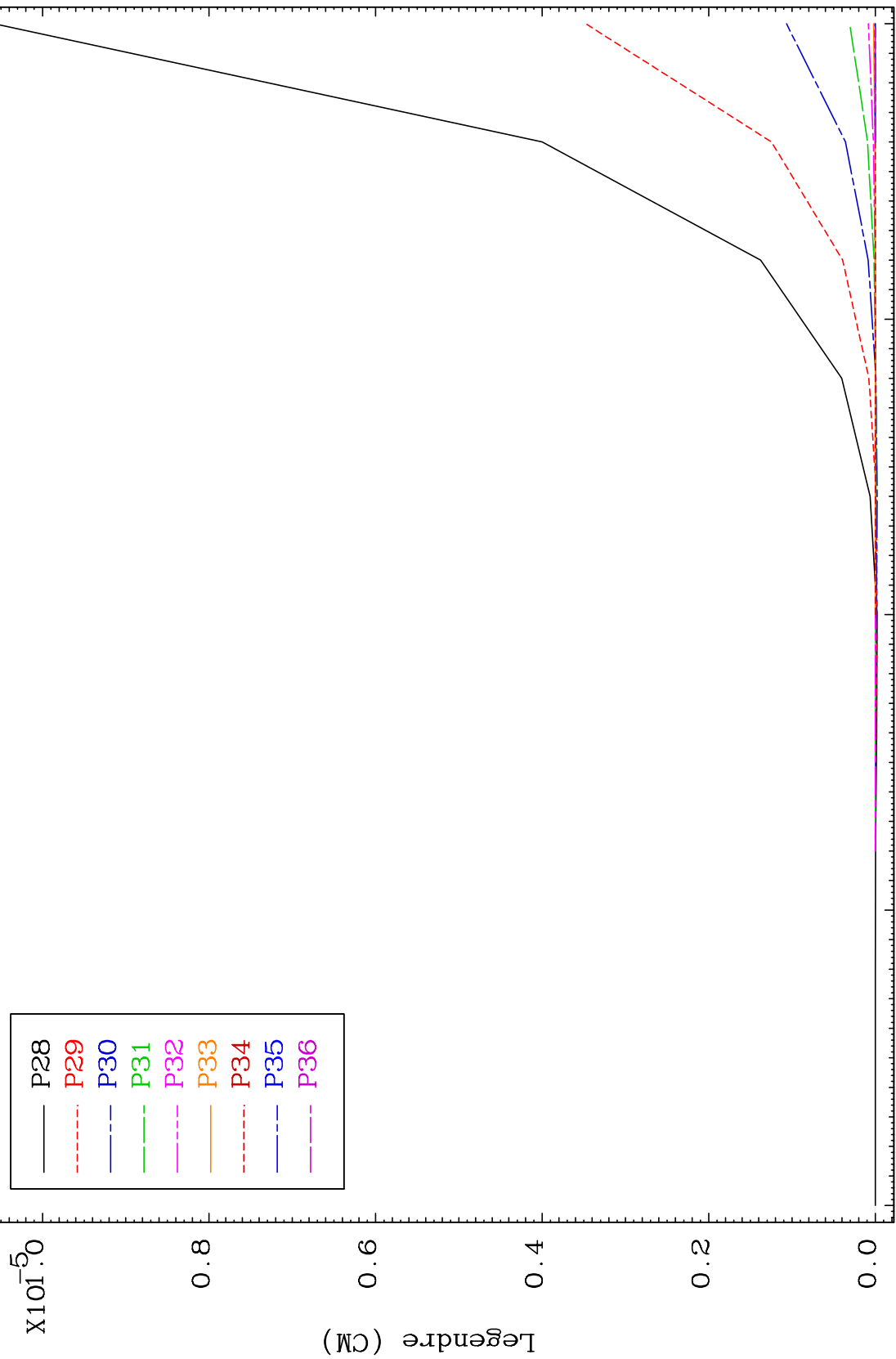
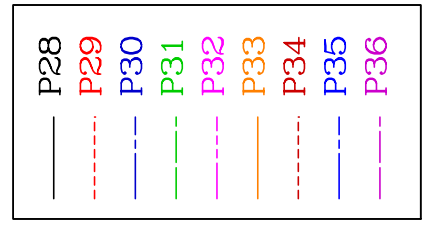
Incident Energy (MeV)

64-Gd-156

MAT 6437

Elastic Legendre Coefficients

64-Gd-156



19

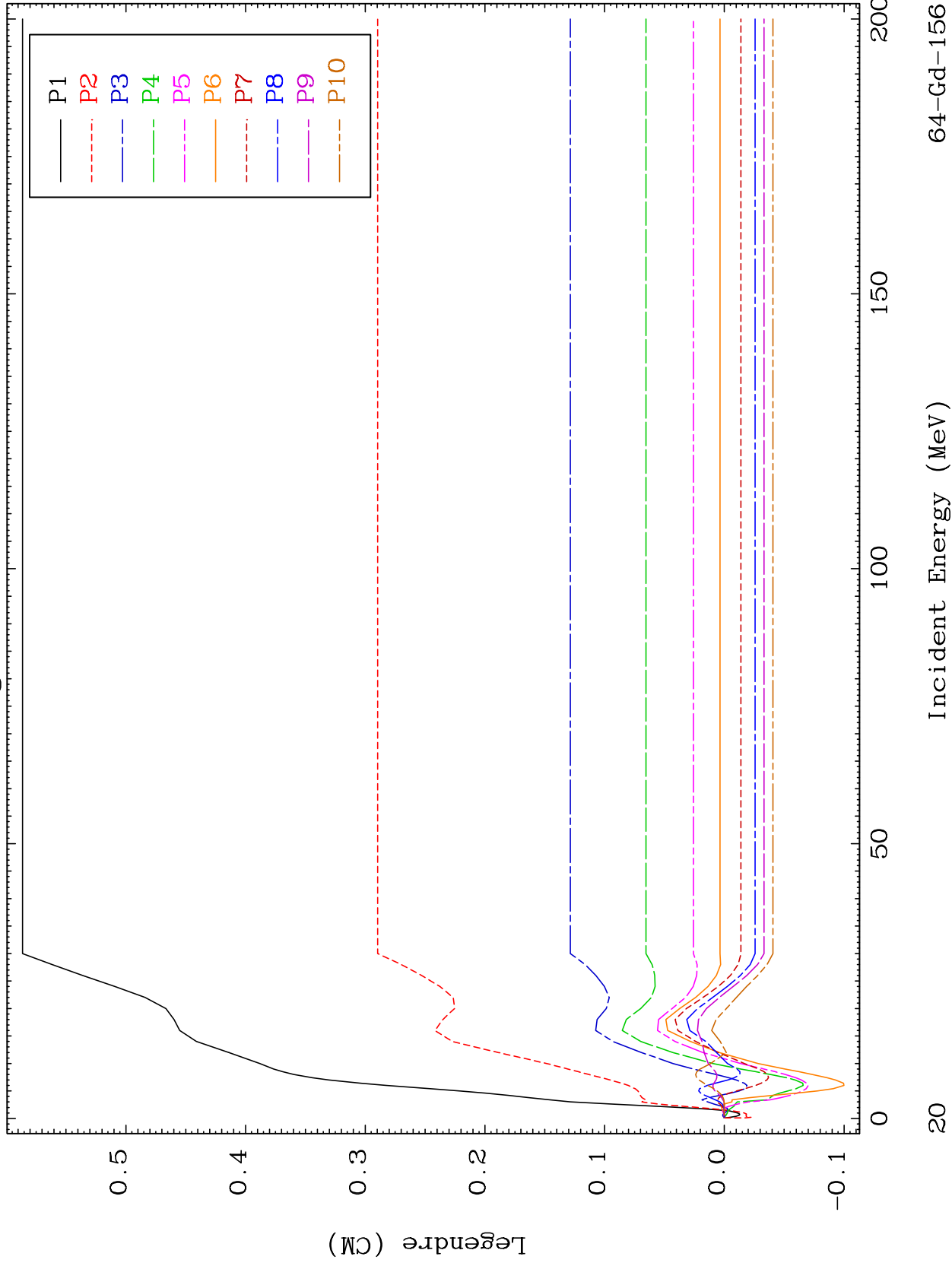
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

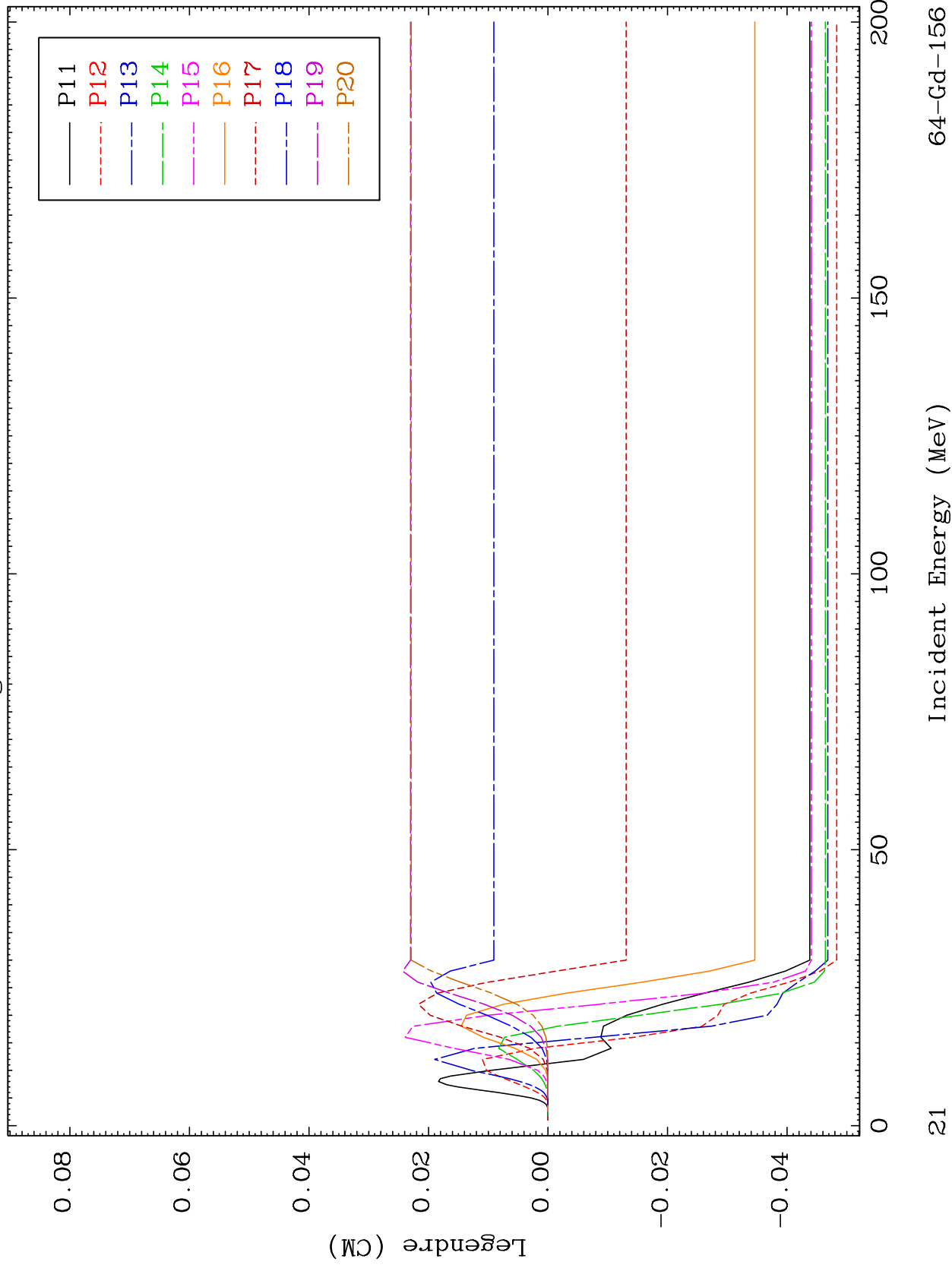
64-Gd-156

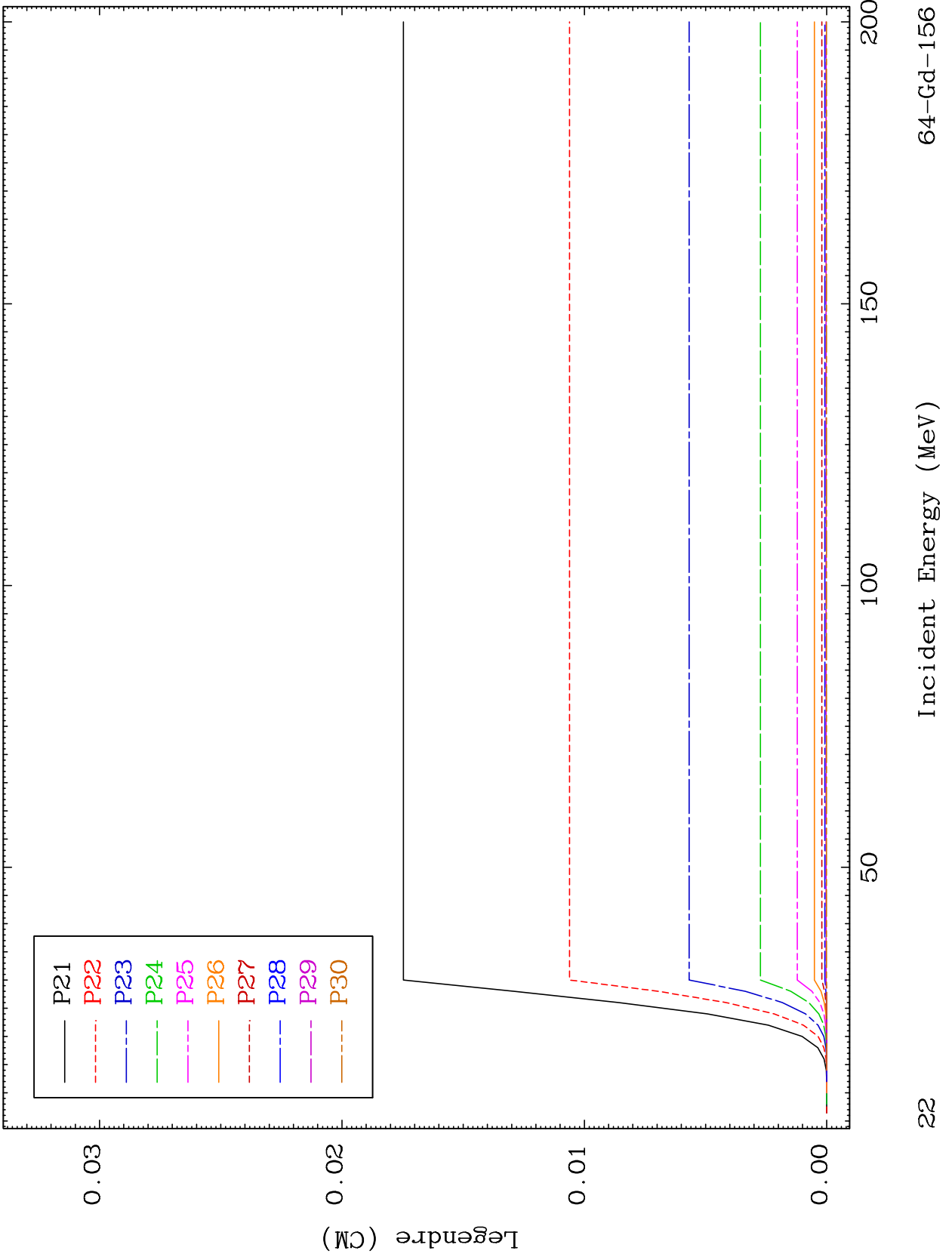


MAT 6437

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

64-Gd-156

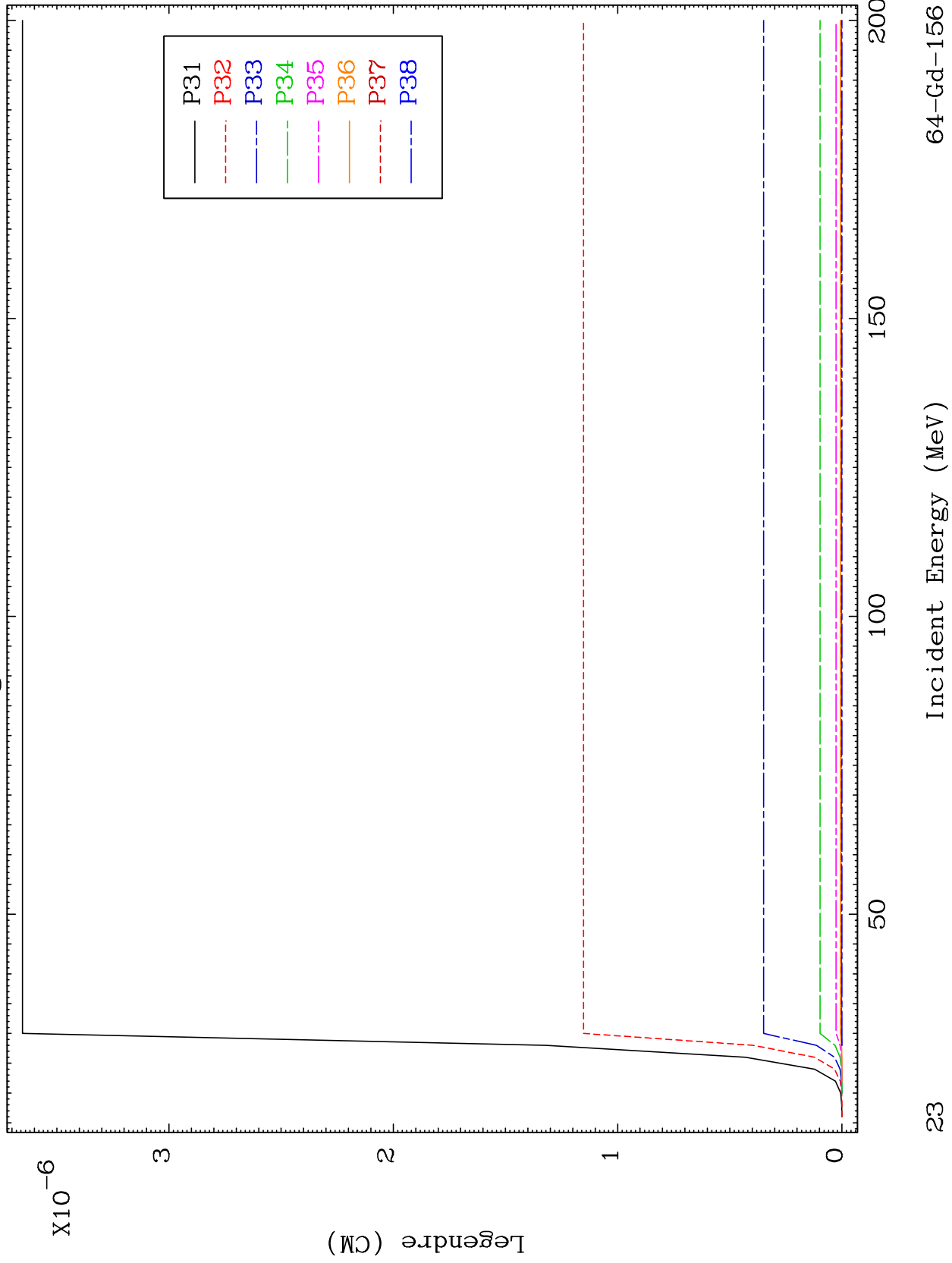




MAT 6437

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

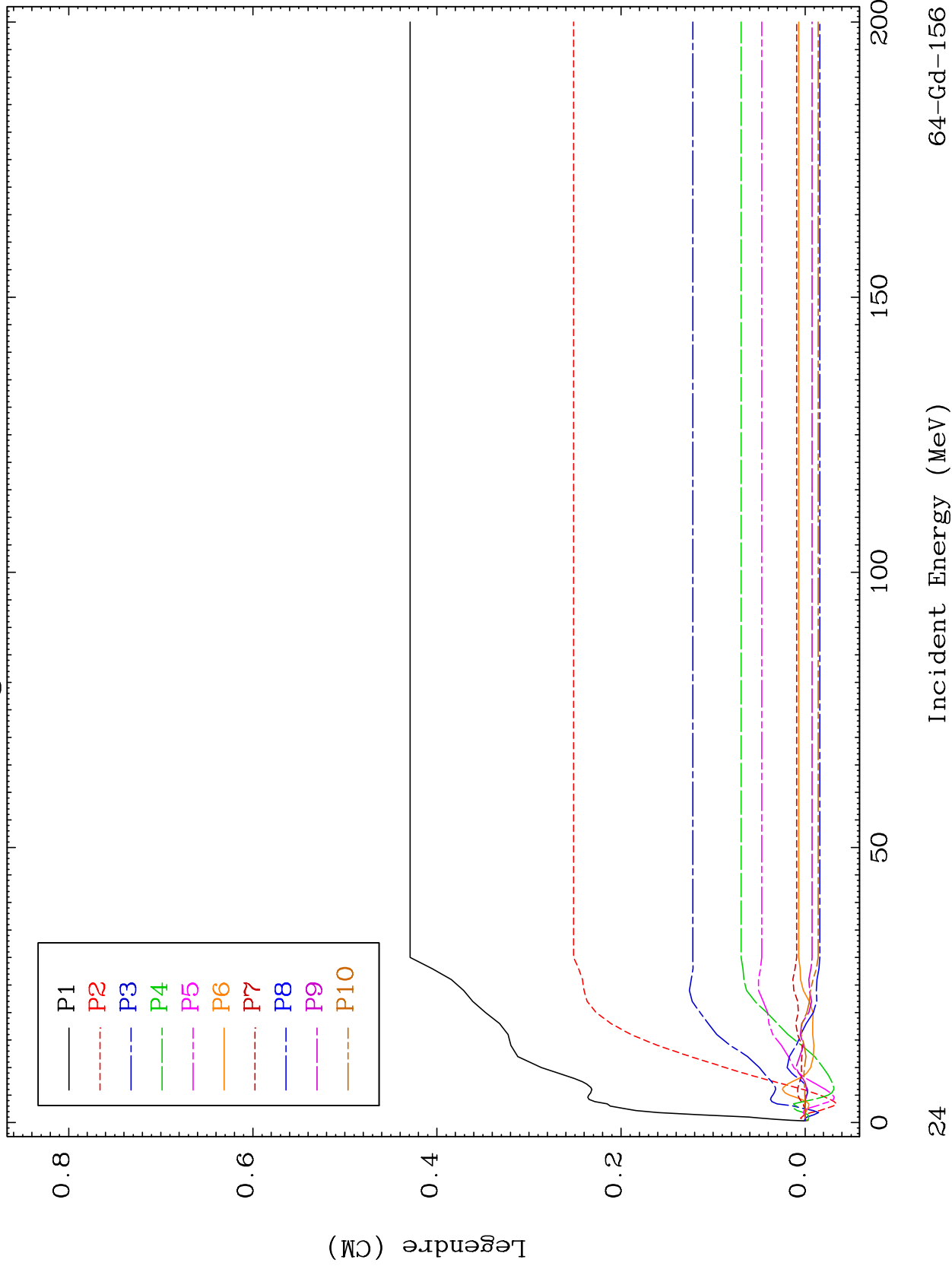
64-Gd-156



MAT 6437

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

64-Gd-156



64-Gd-156

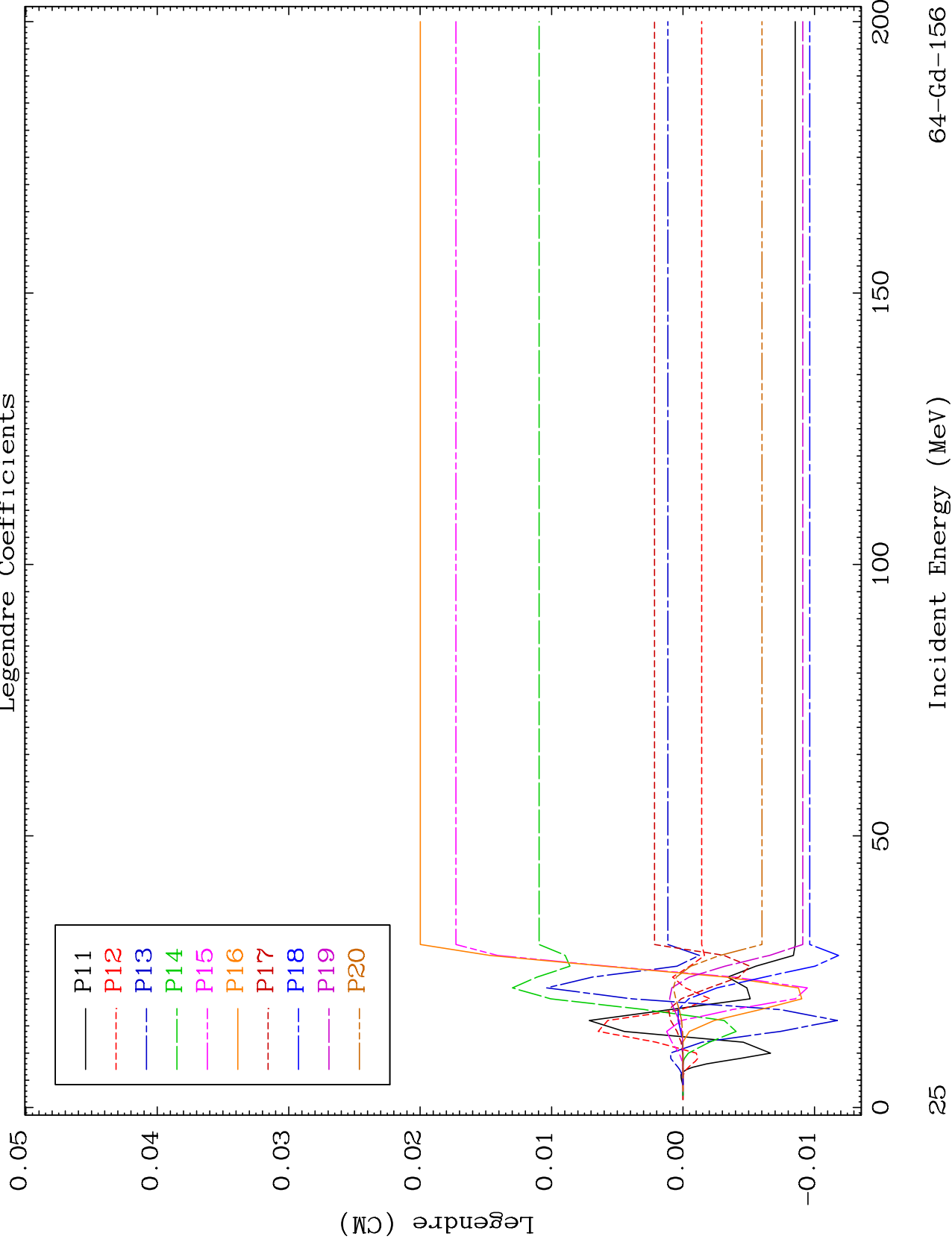
Incident Energy (MeV)

24

MAT 6437

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

64-Gd-156



64-Gd-156

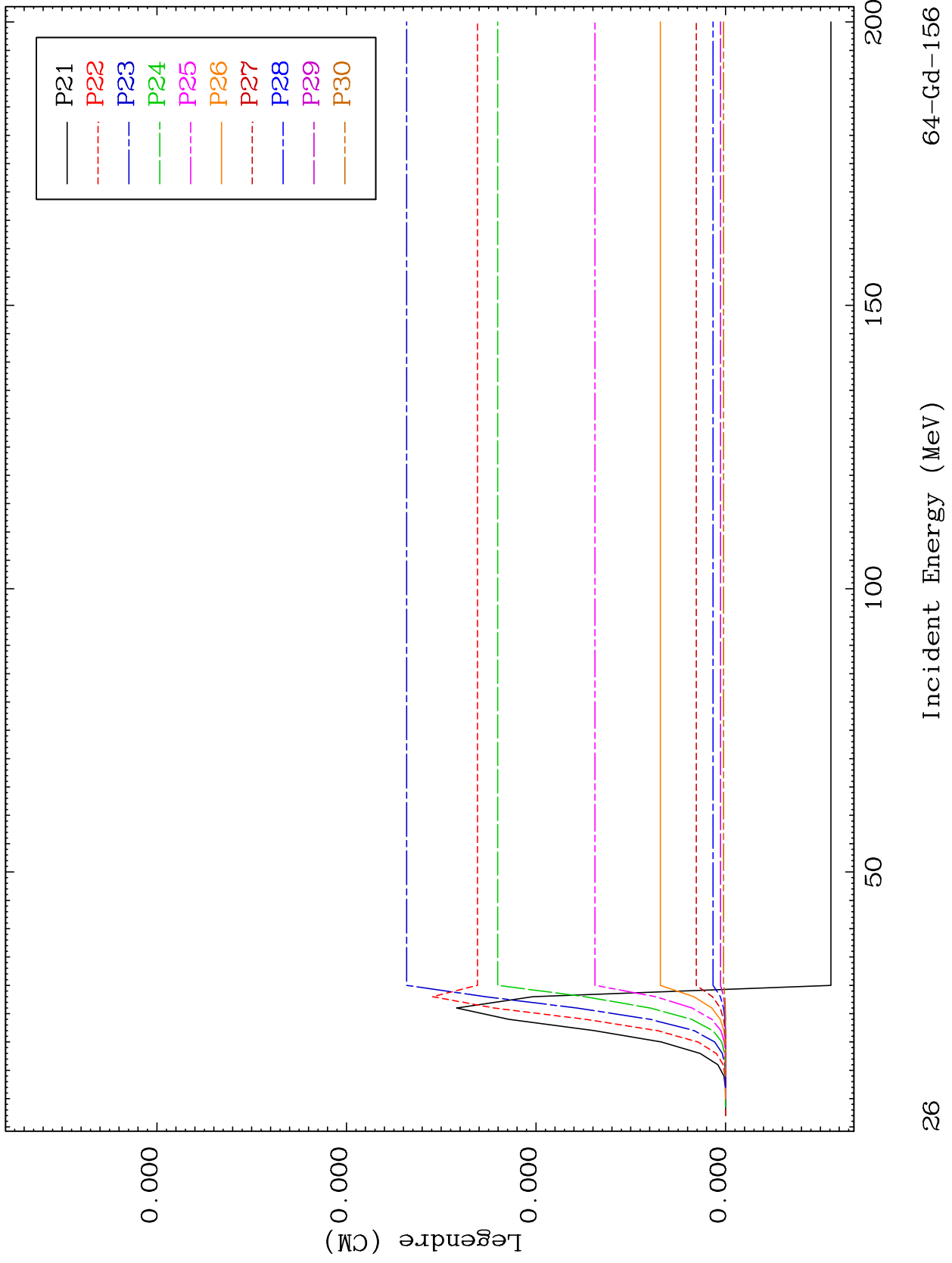
Incident Energy (MeV)

25

MAT 6437

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

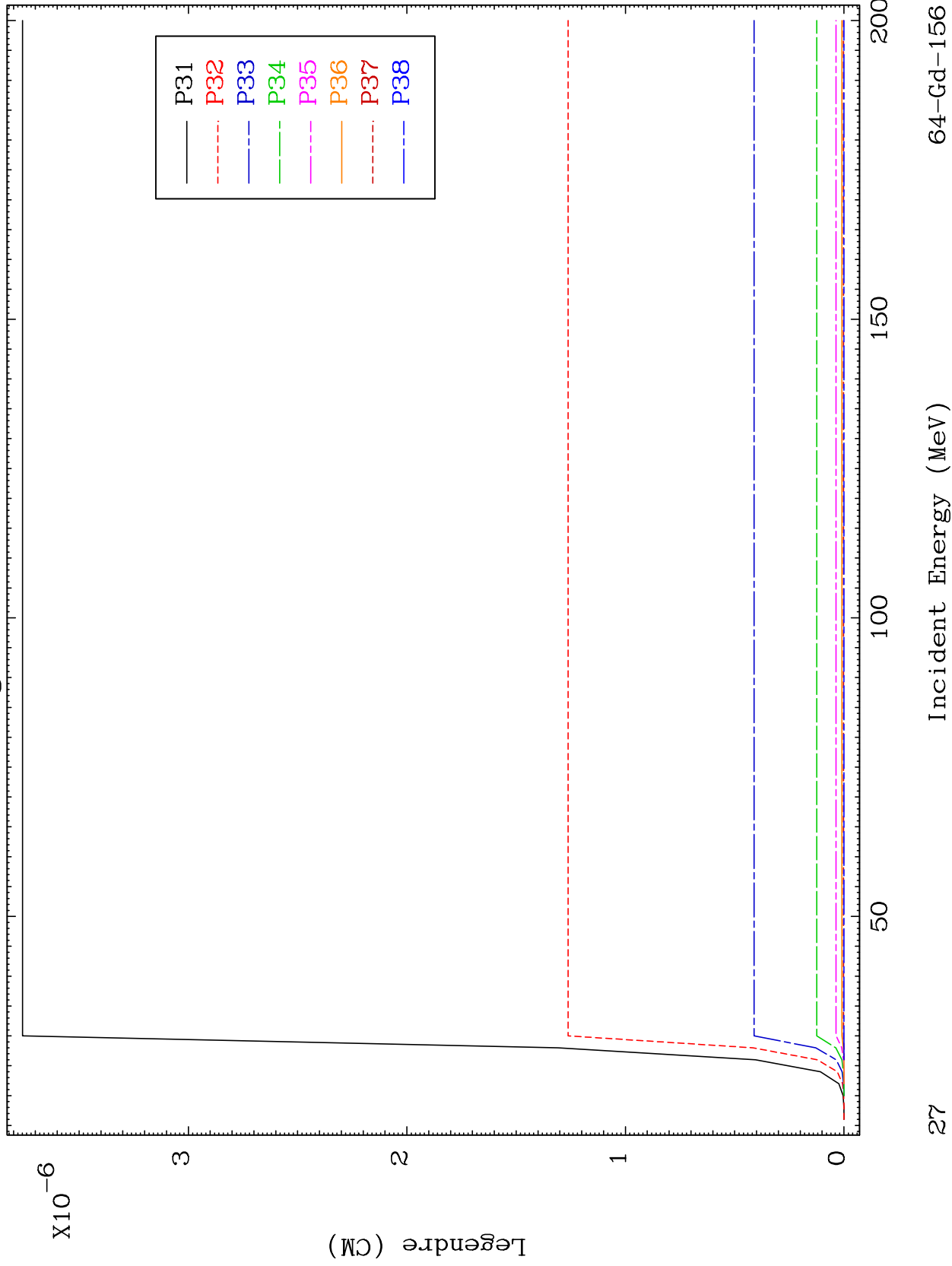
64-Gd-156



MAT 6437

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

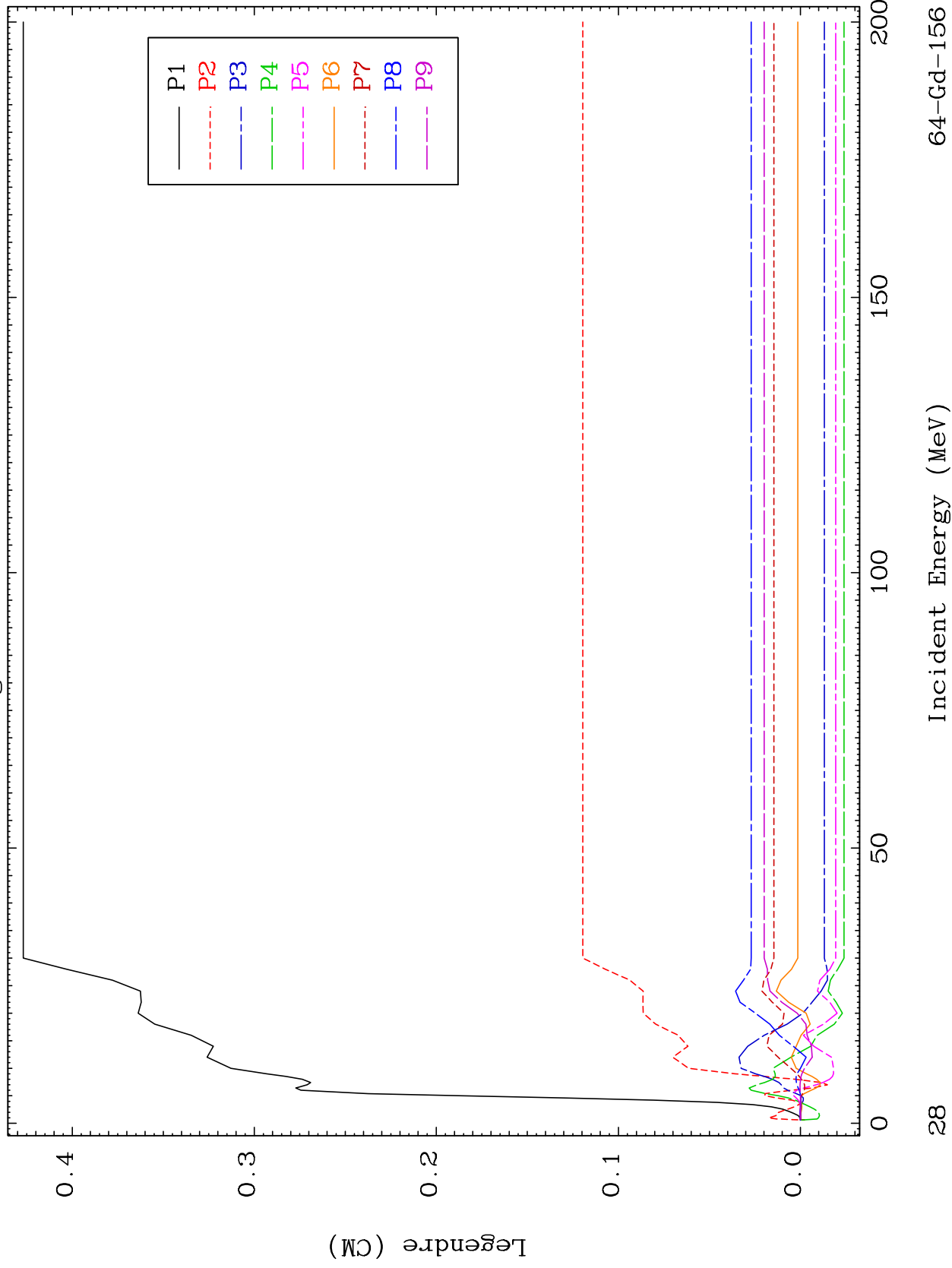
64-Gd-156



MAT 6437

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

64-Gd-156



64-Gd-156

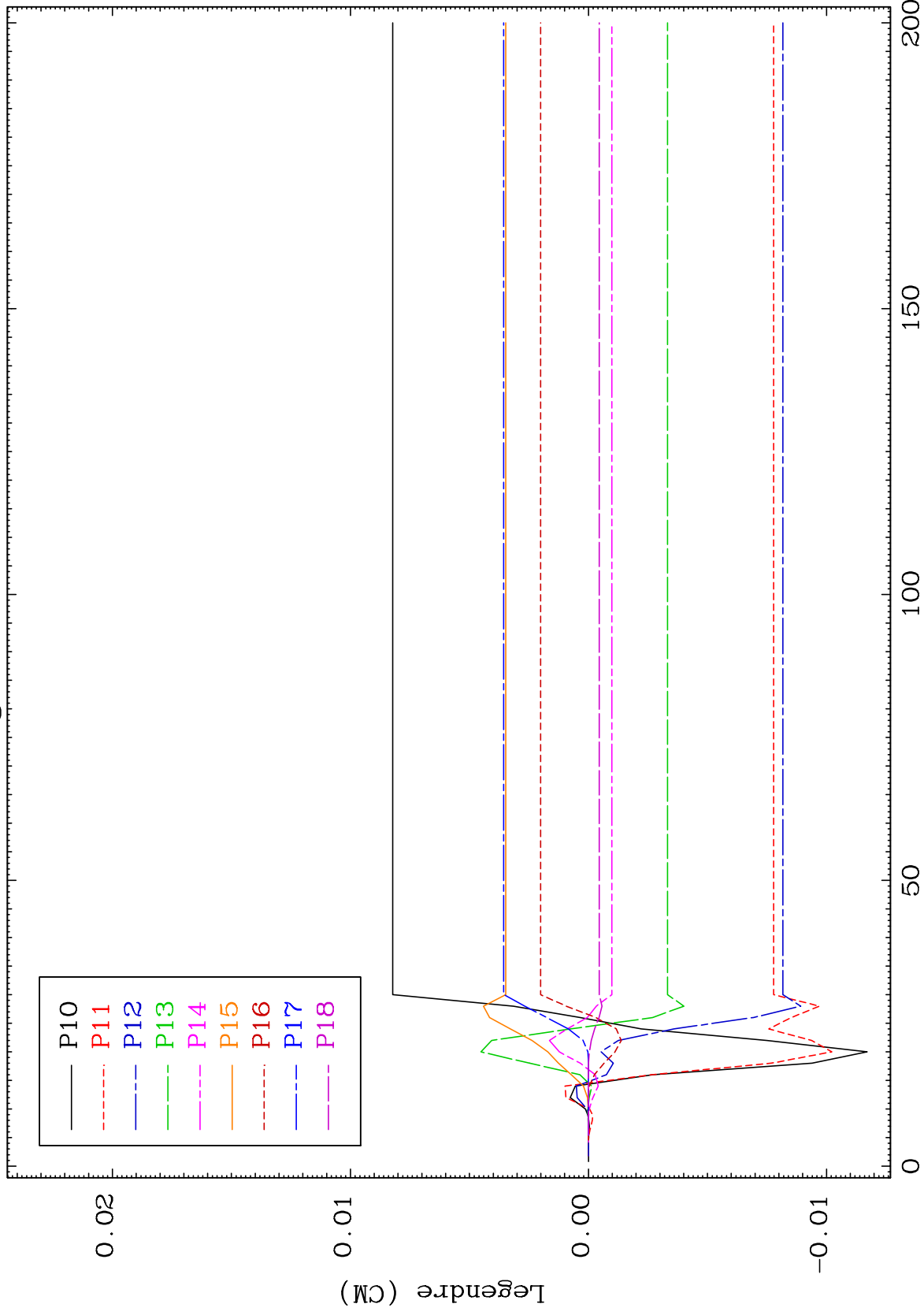
Incident Energy (MeV)

28

MAT 6437

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

64-Gd-156



29

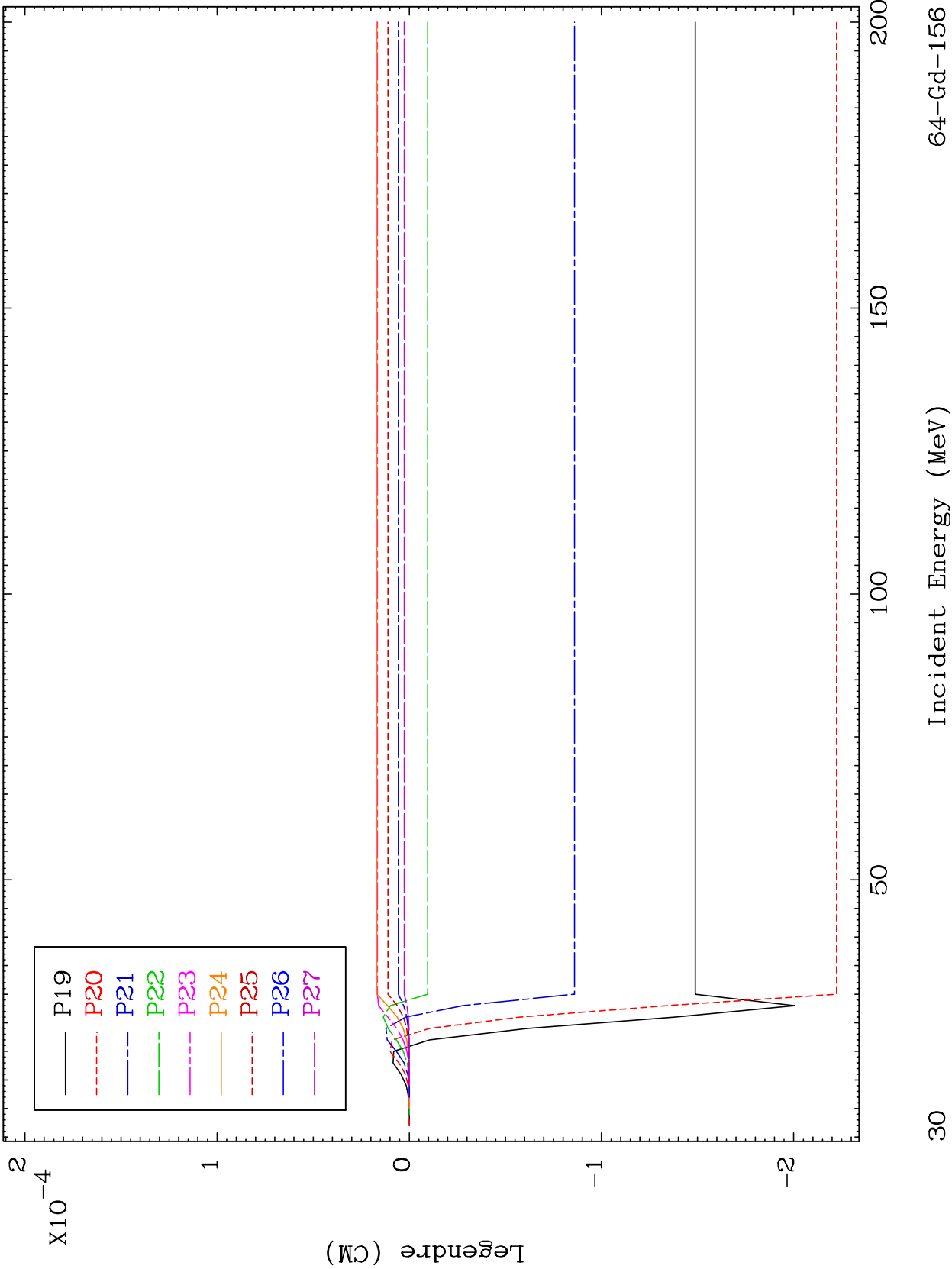
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



30

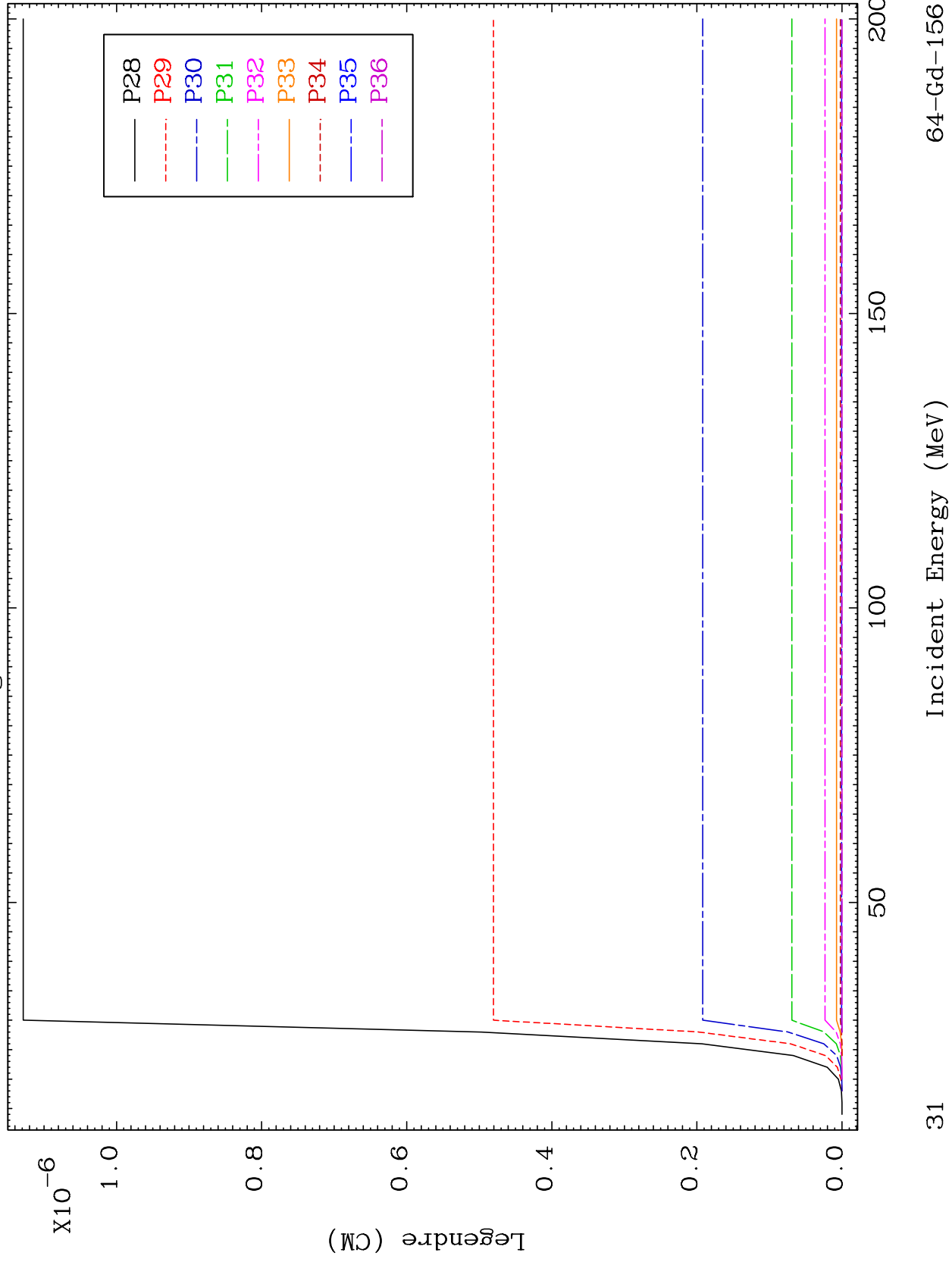
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156

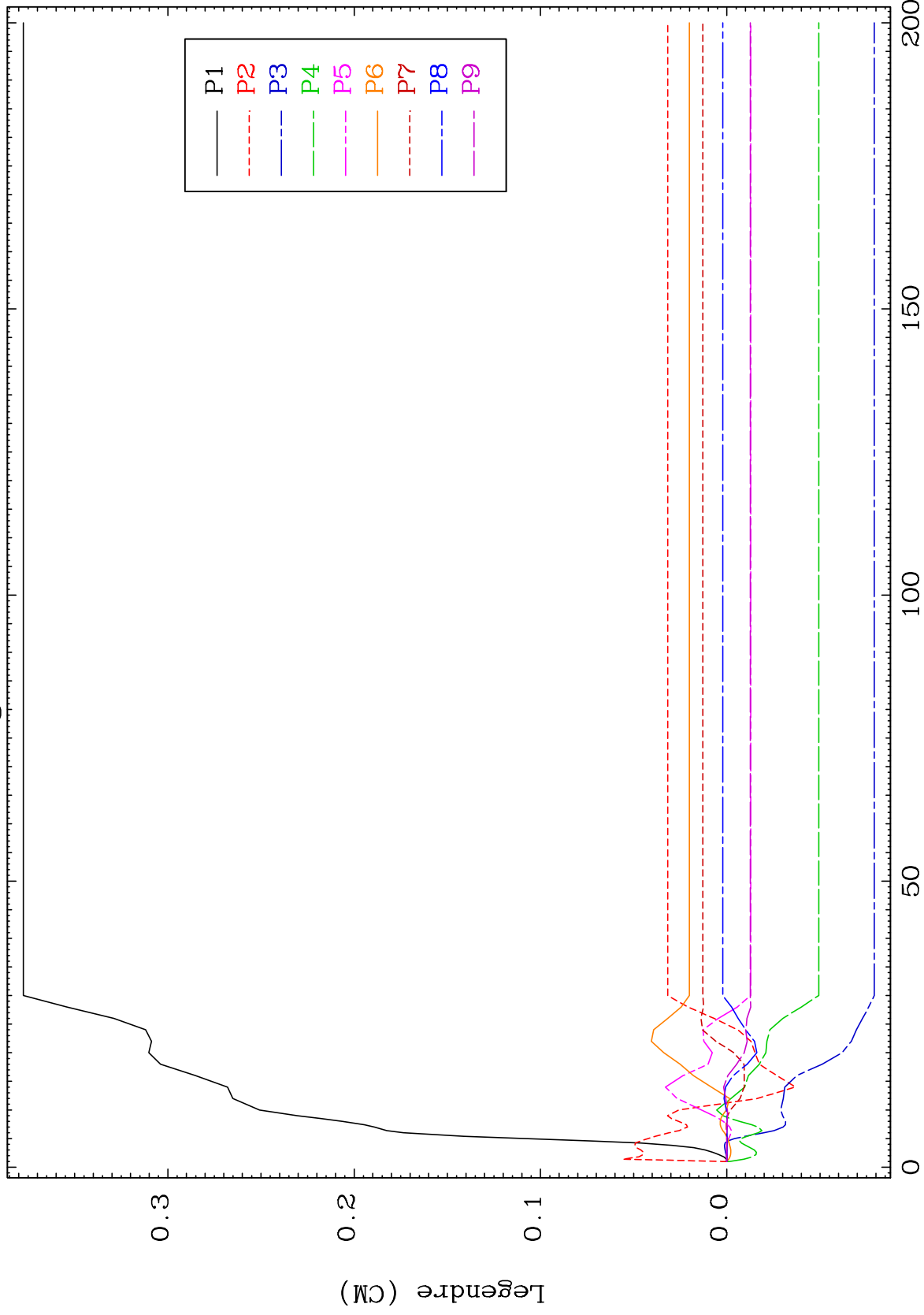


31

MAT 6437

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

64-Gd-156



64-Gd-156

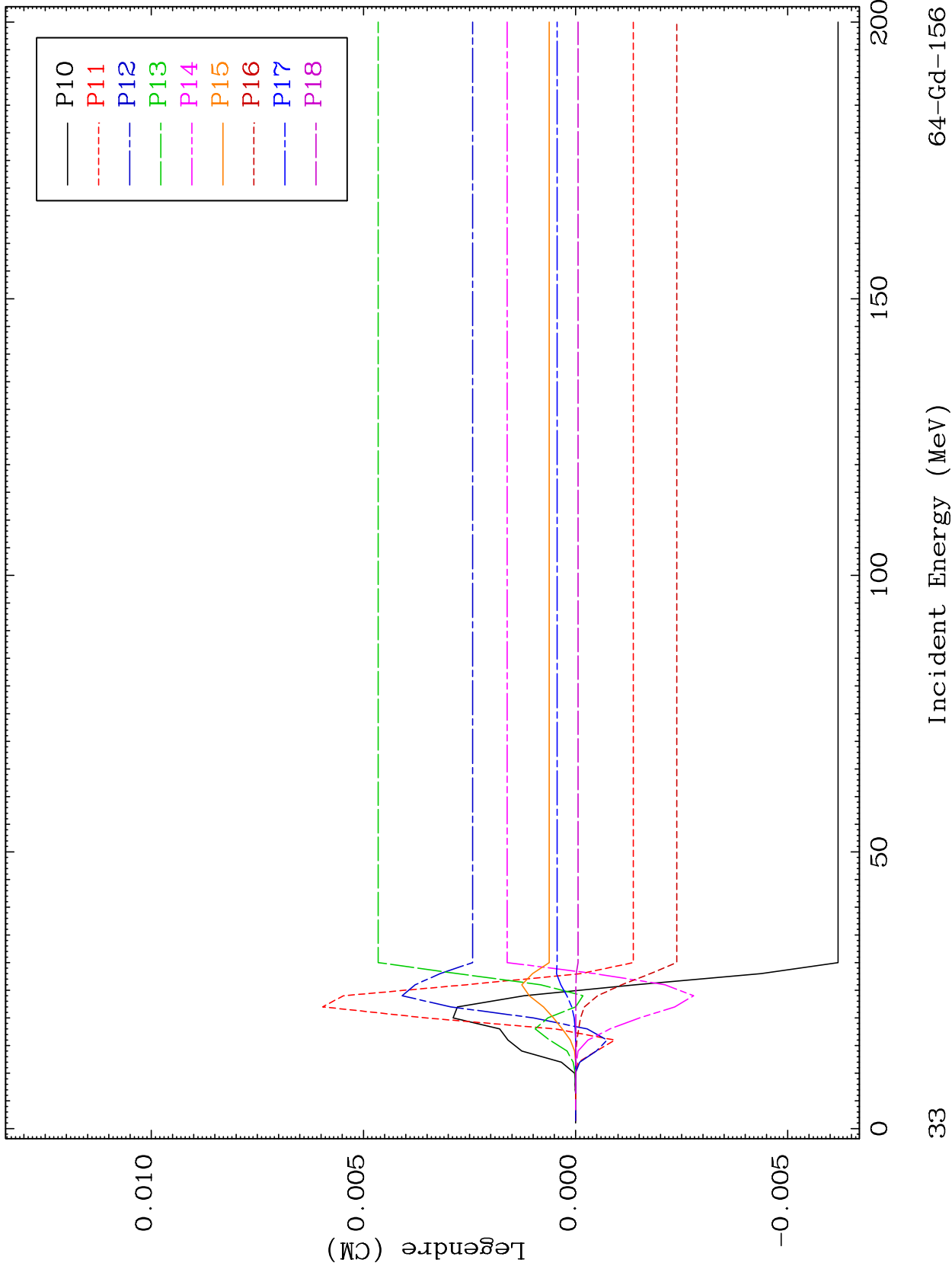
Incident Energy (MeV)

32

MAT 6437

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

64-Gd-156



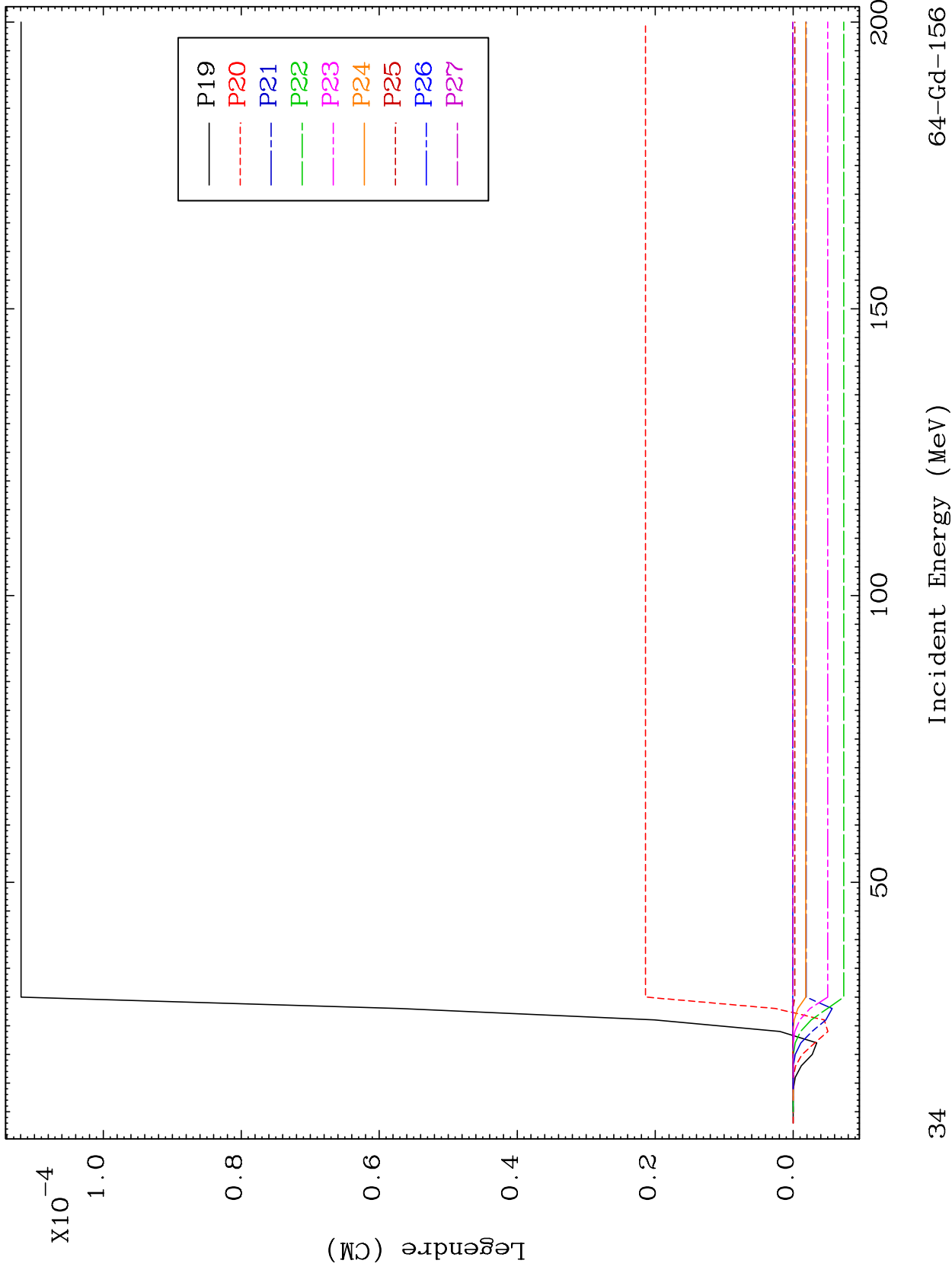
33

64-Gd-156

MAT 6437

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

64-Gd-156



34

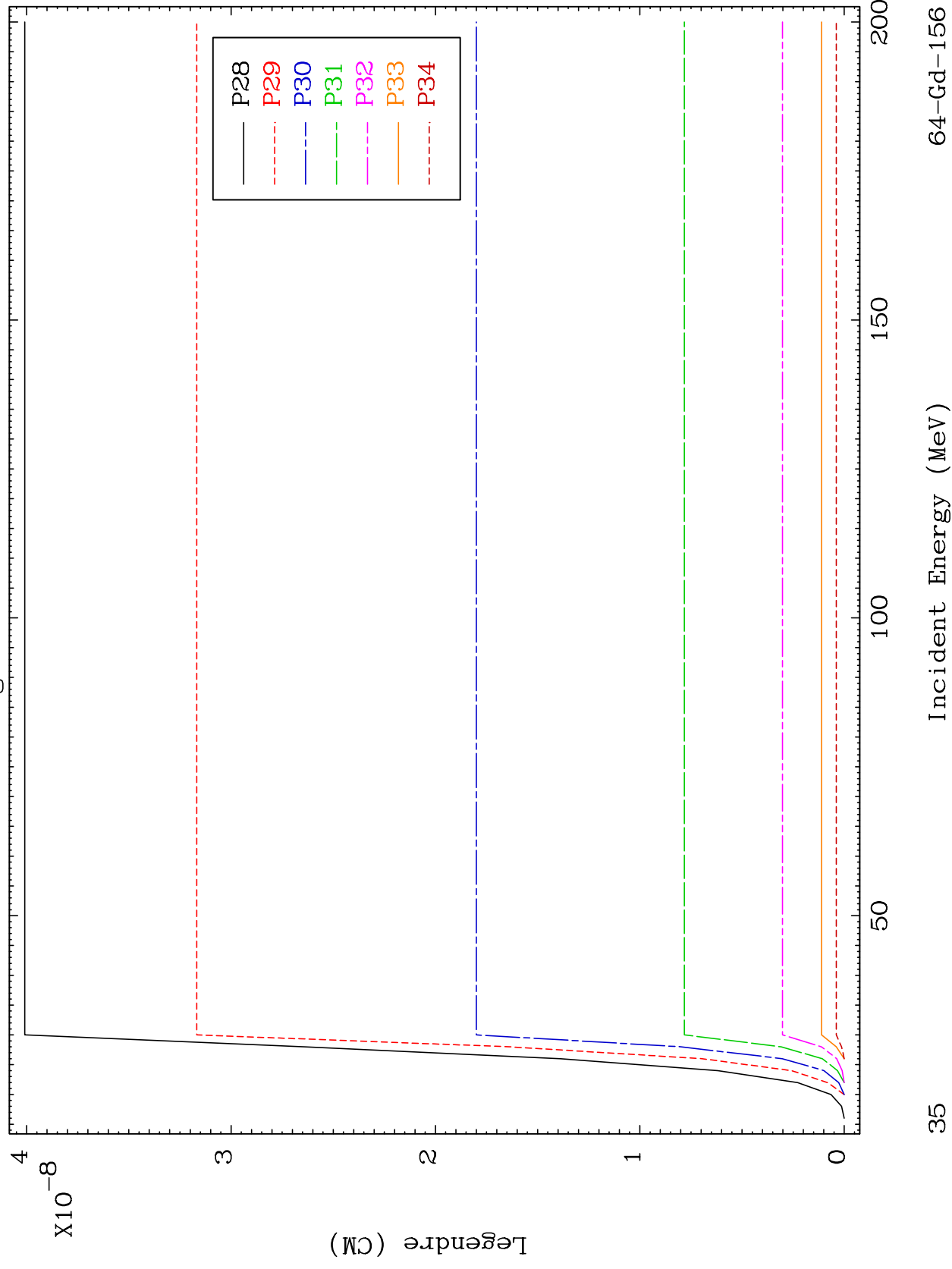
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

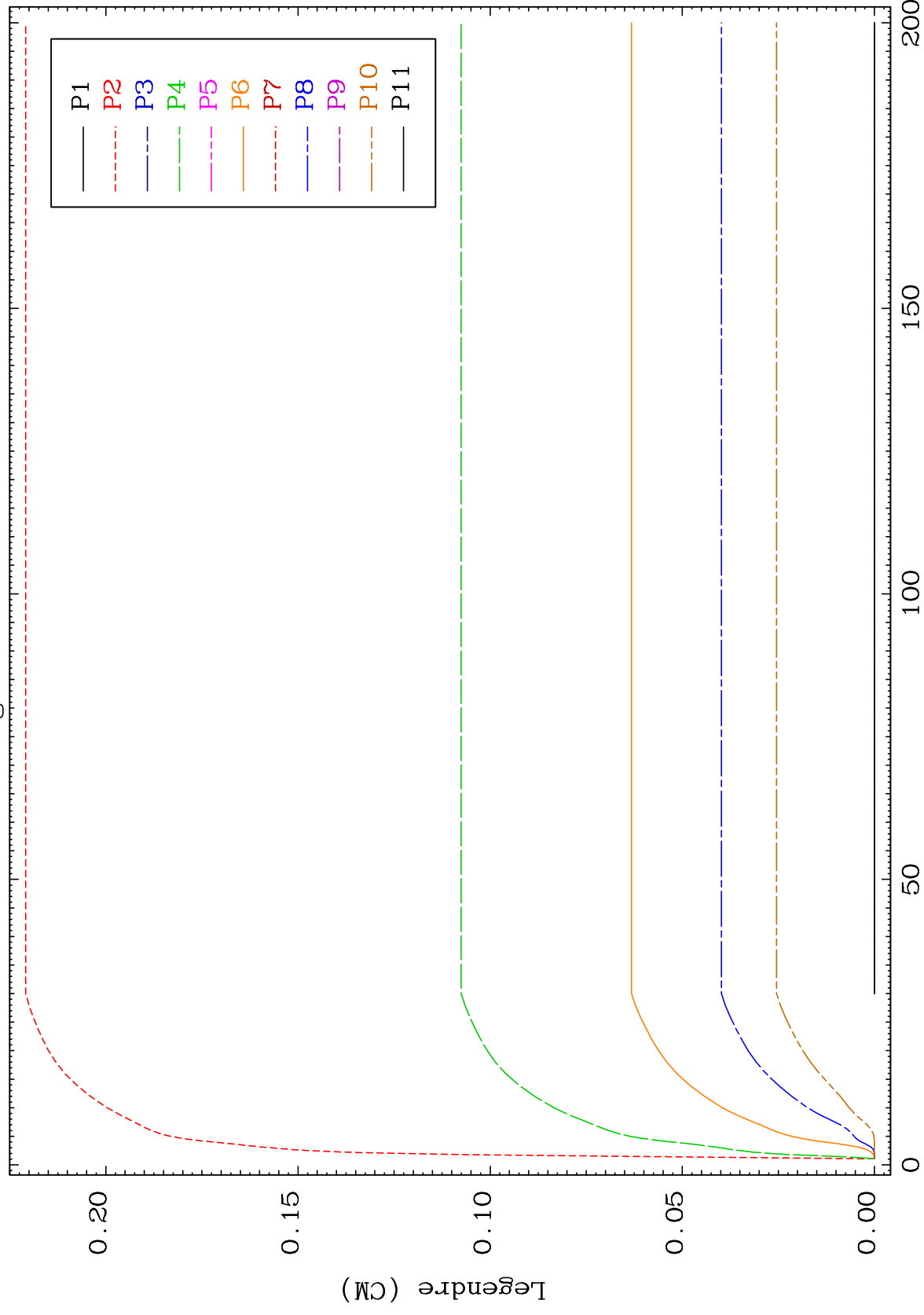
Incident Energy (MeV)

35

MAT 6437

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

64-Gd-156



36

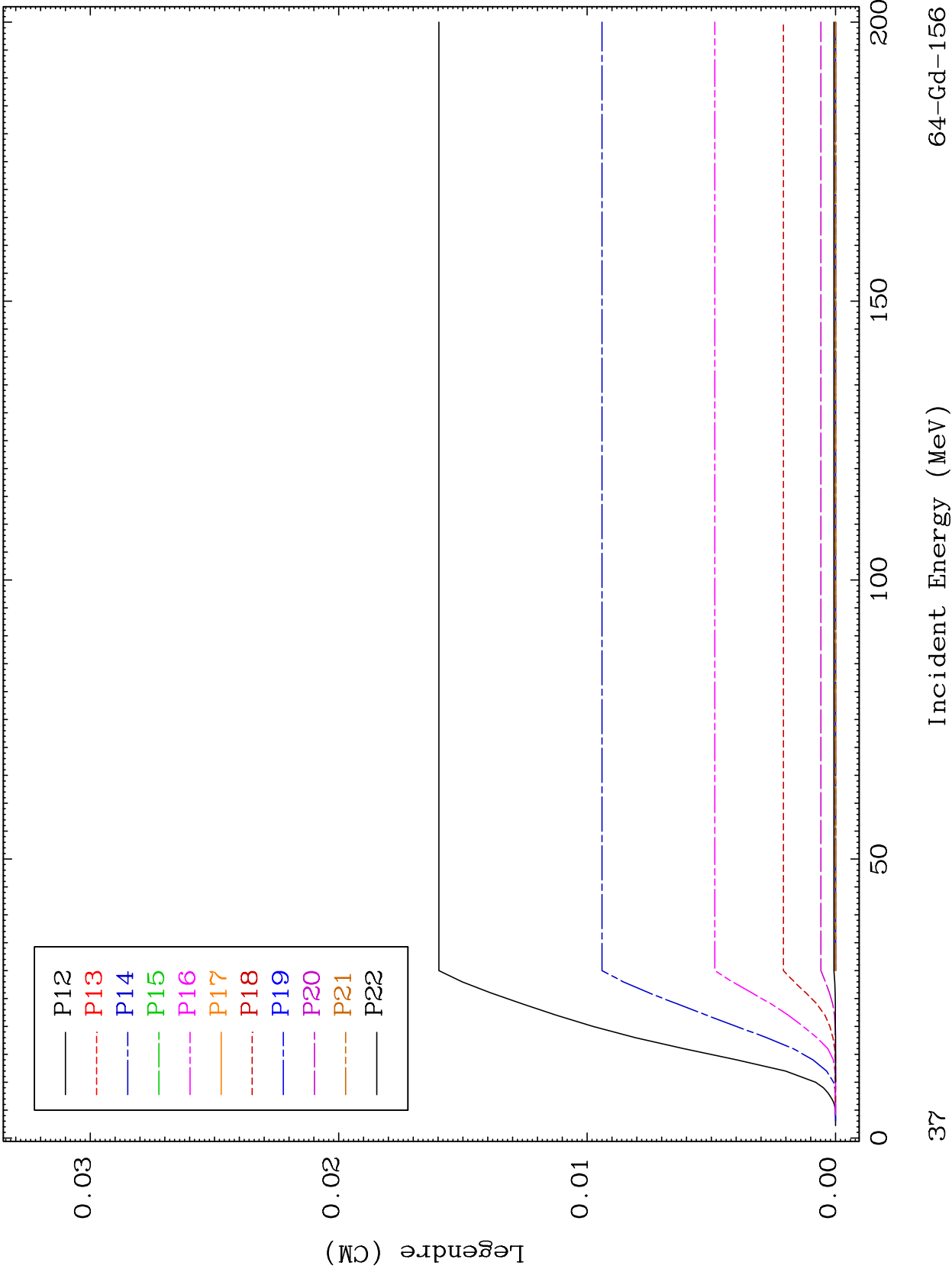
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



37

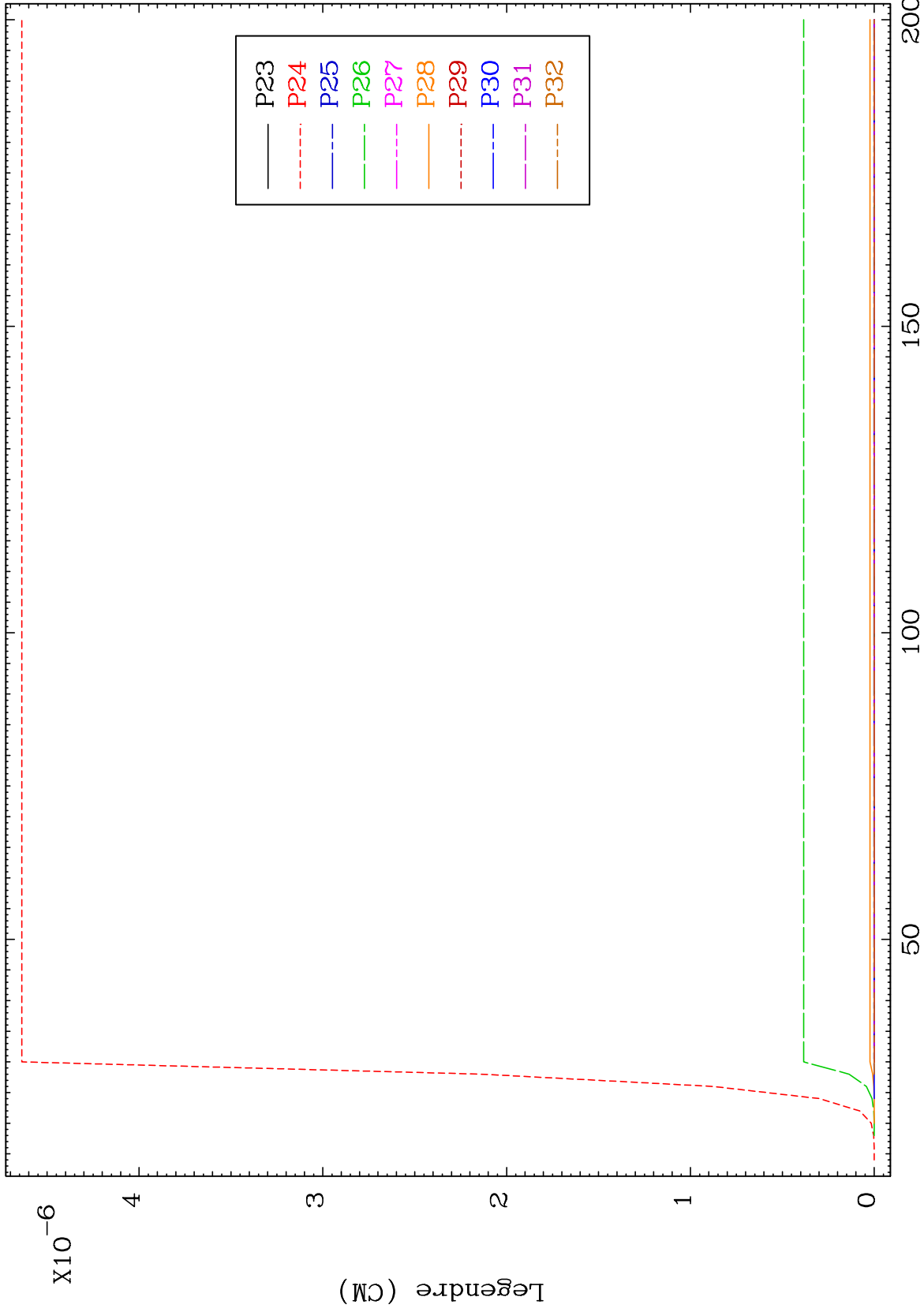
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



38

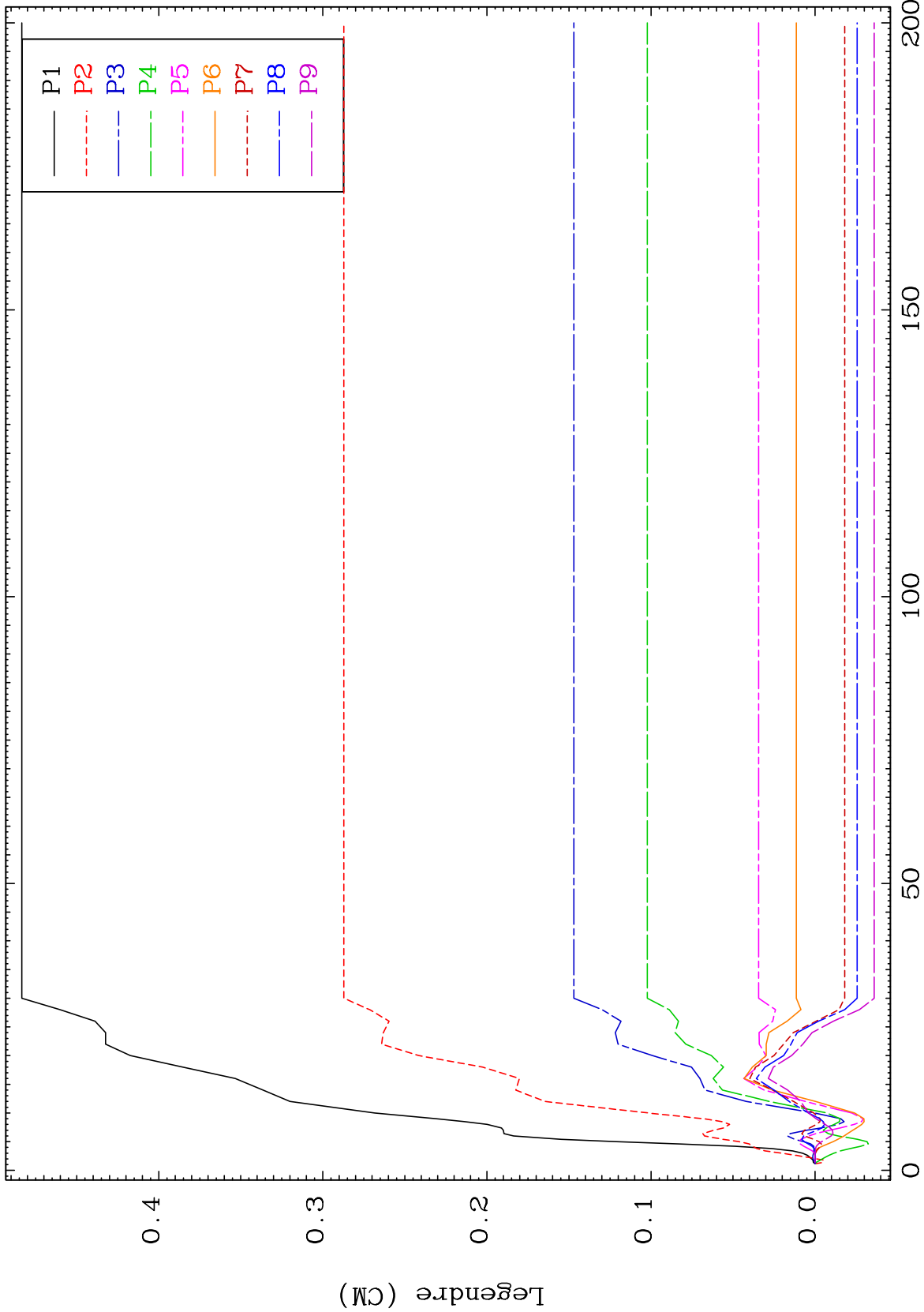
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



39

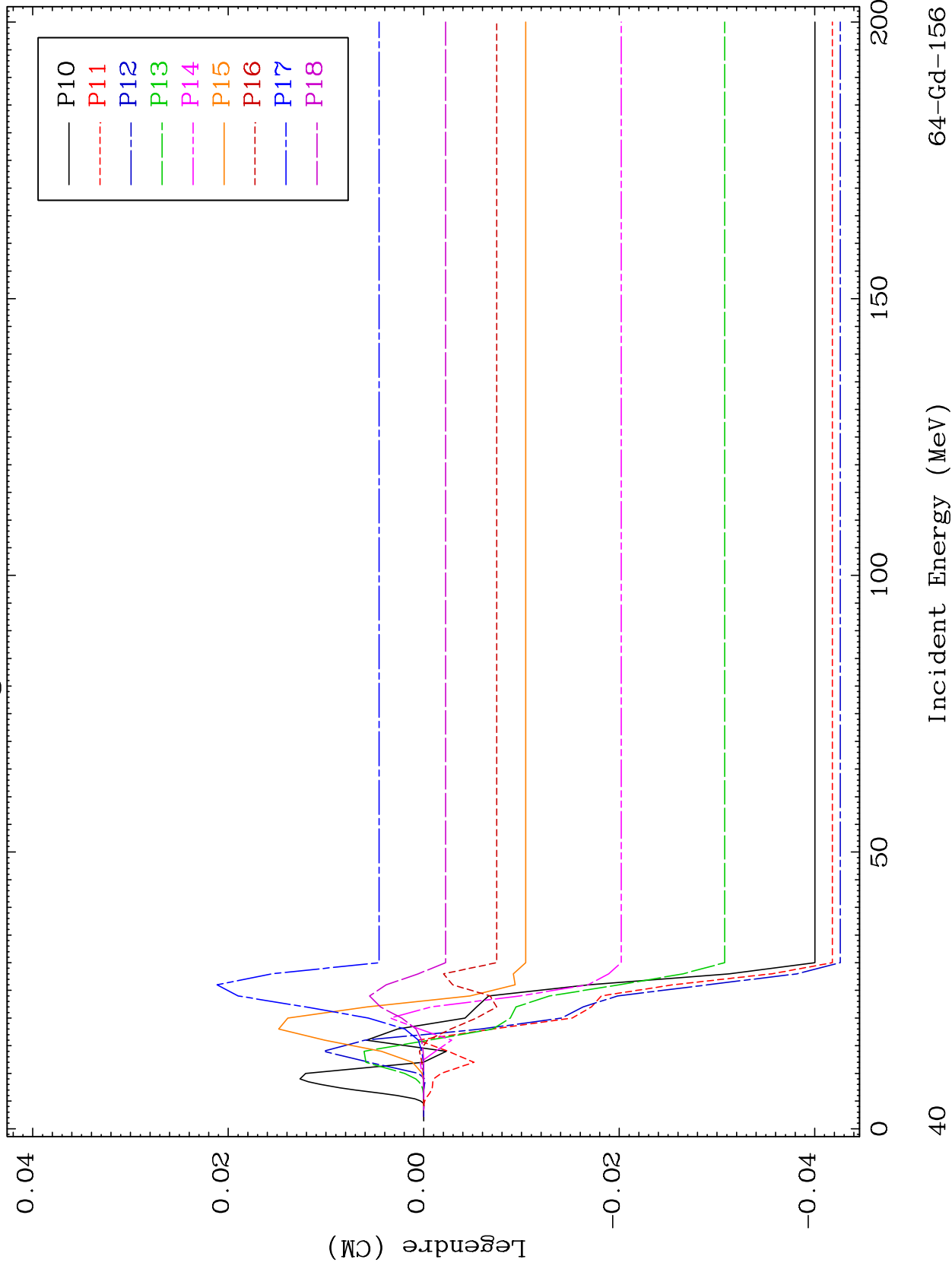
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

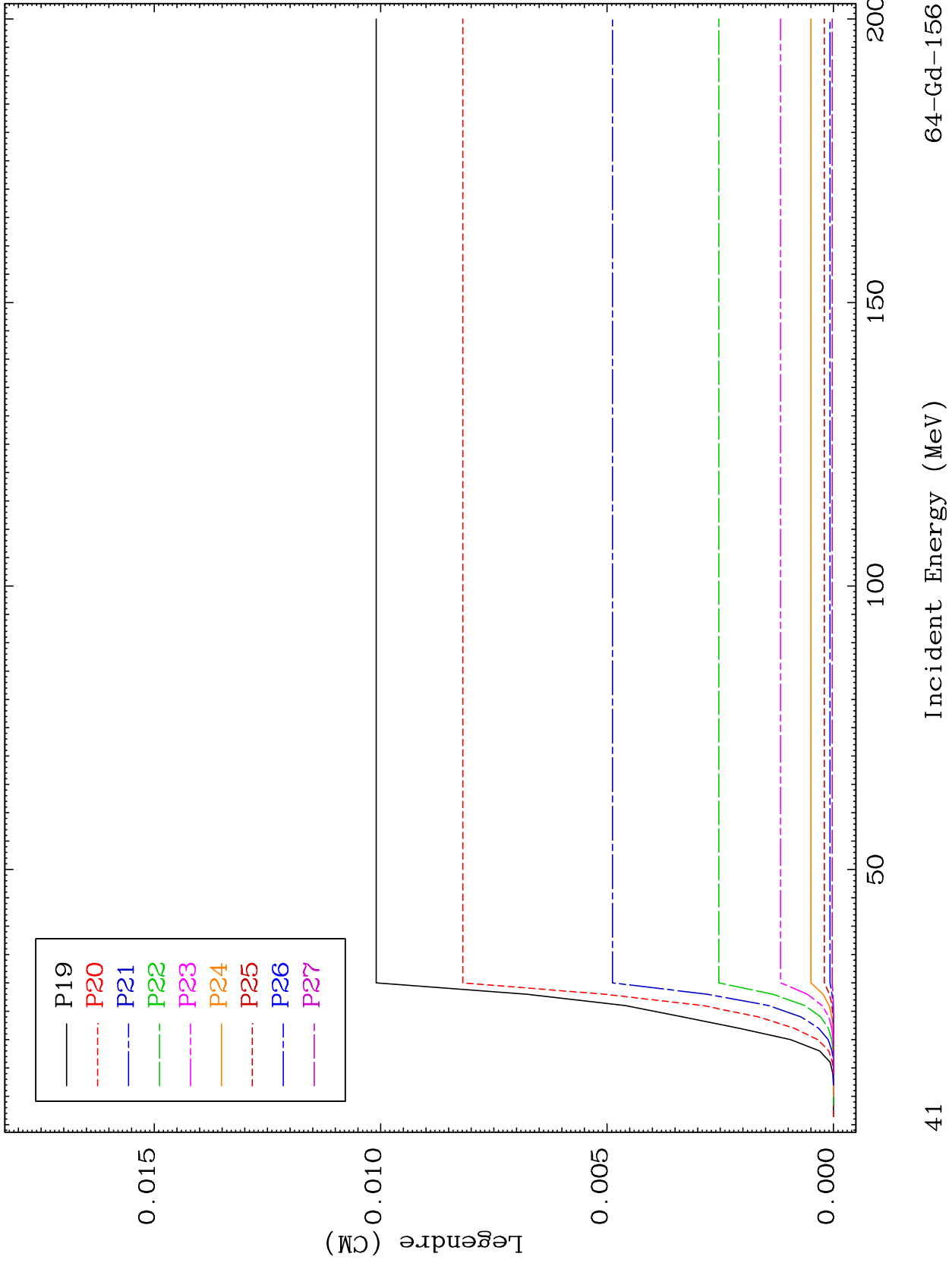
Incident Energy (MeV)

40

MAT 6437

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

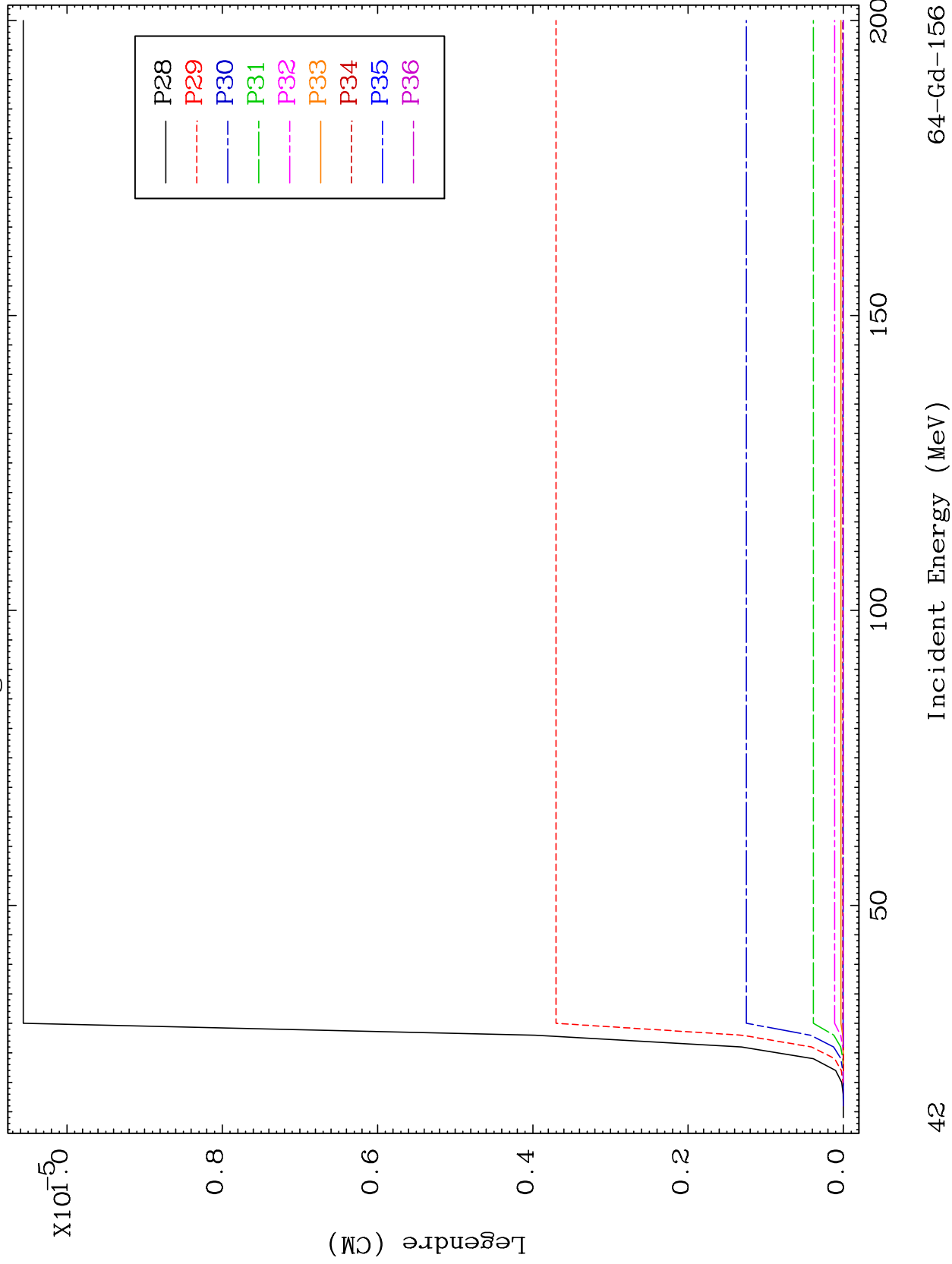
64-Gd-156



MAT 6437

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

64-Gd-156



42

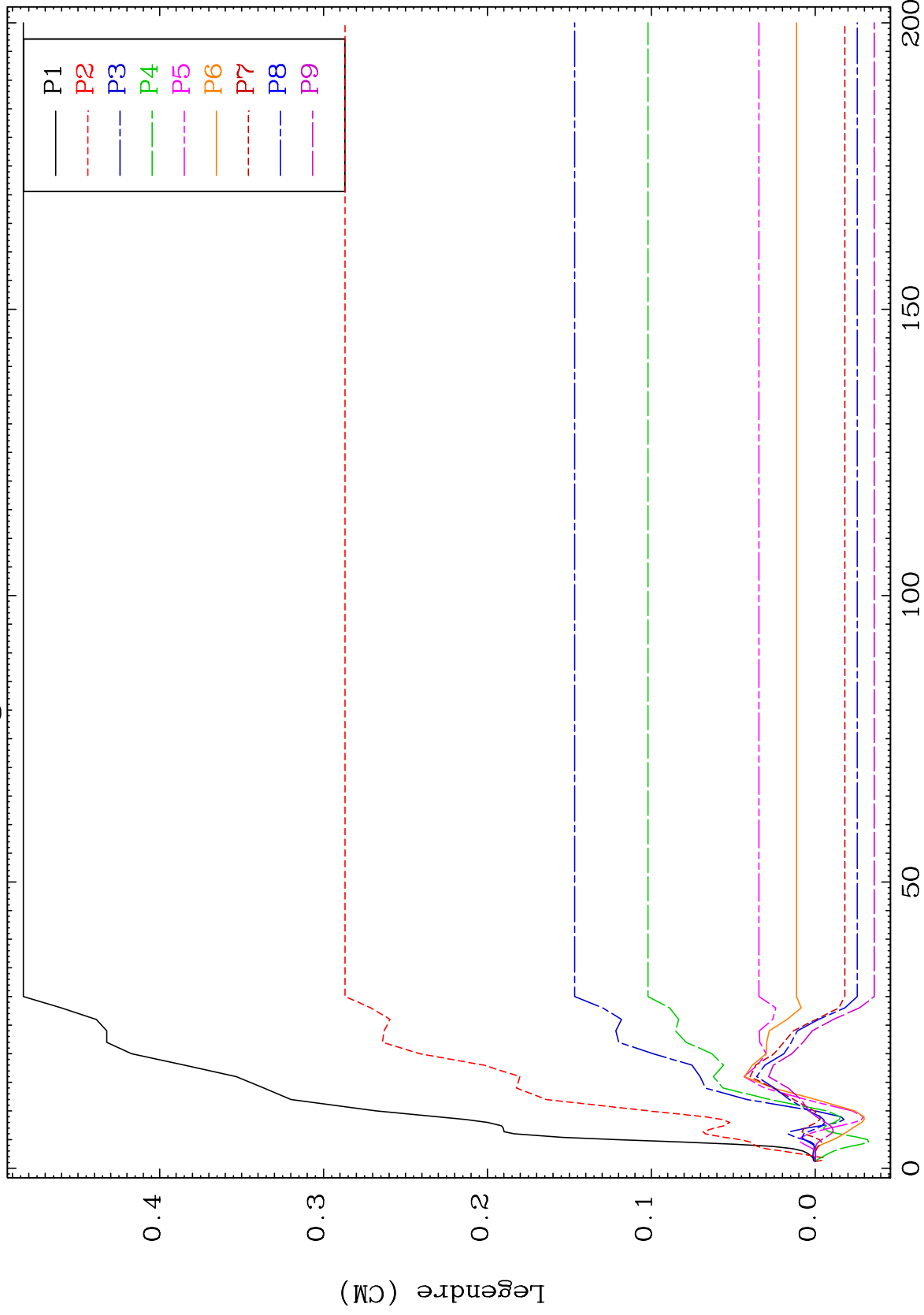
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



43

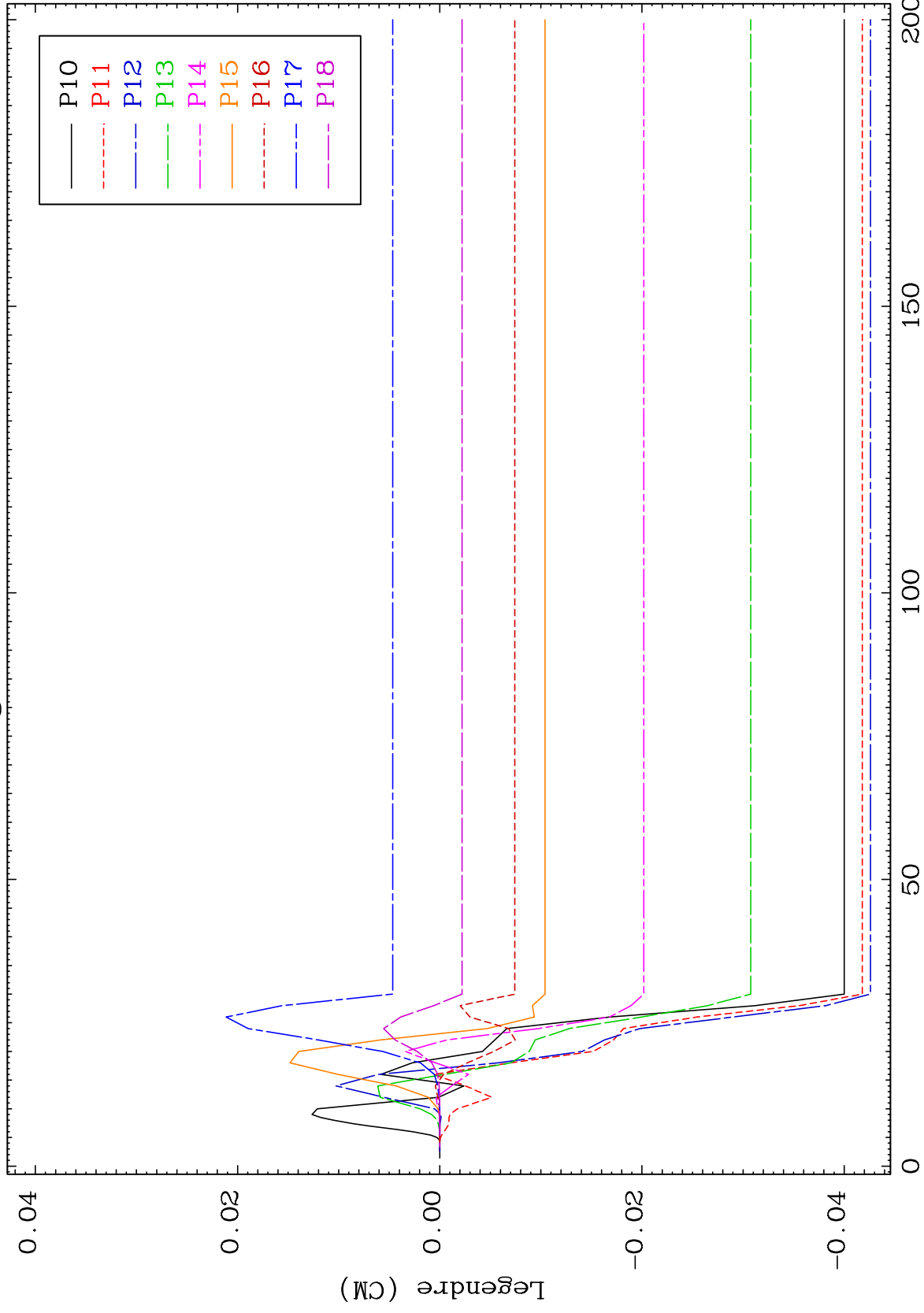
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



44

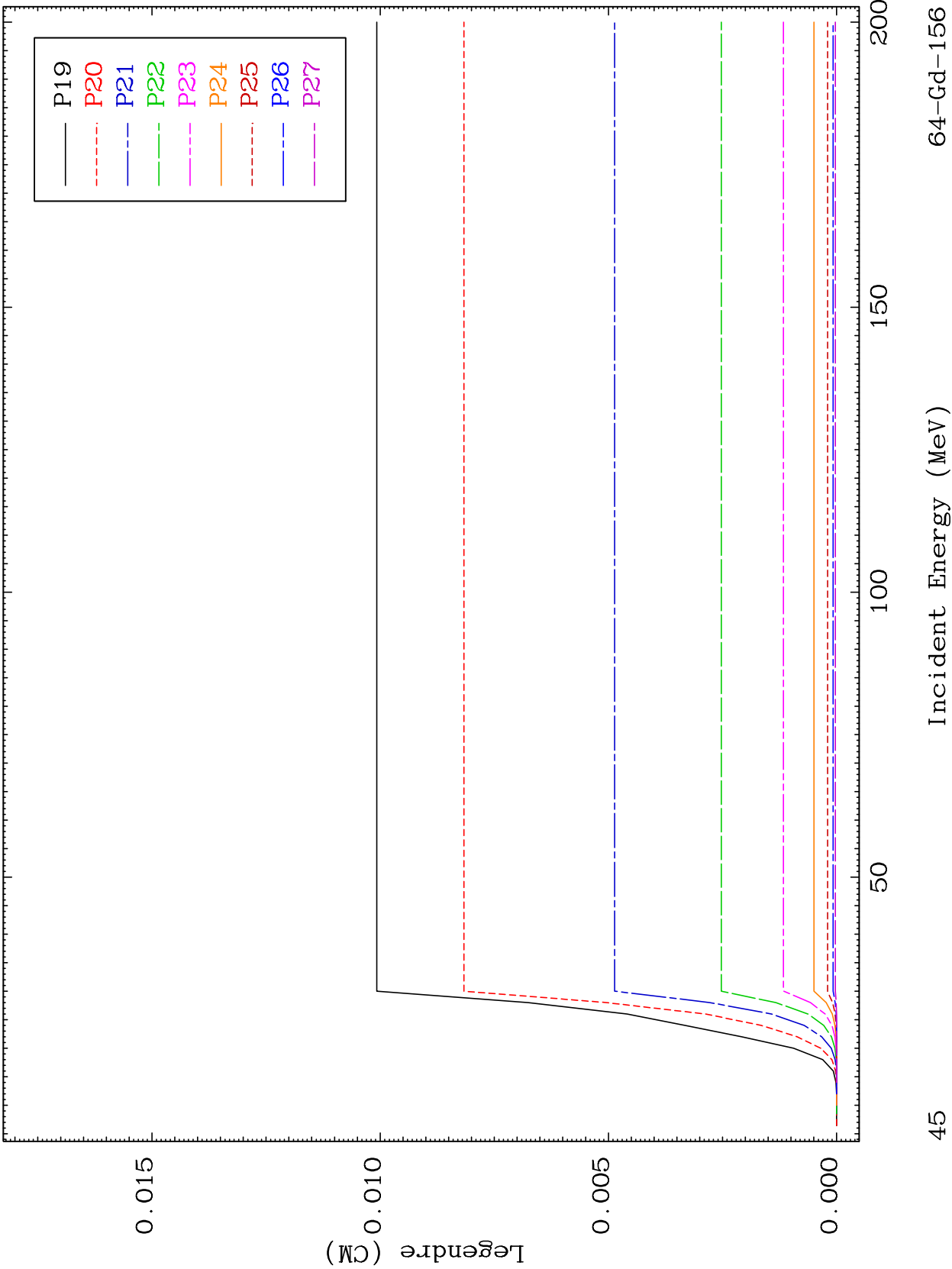
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

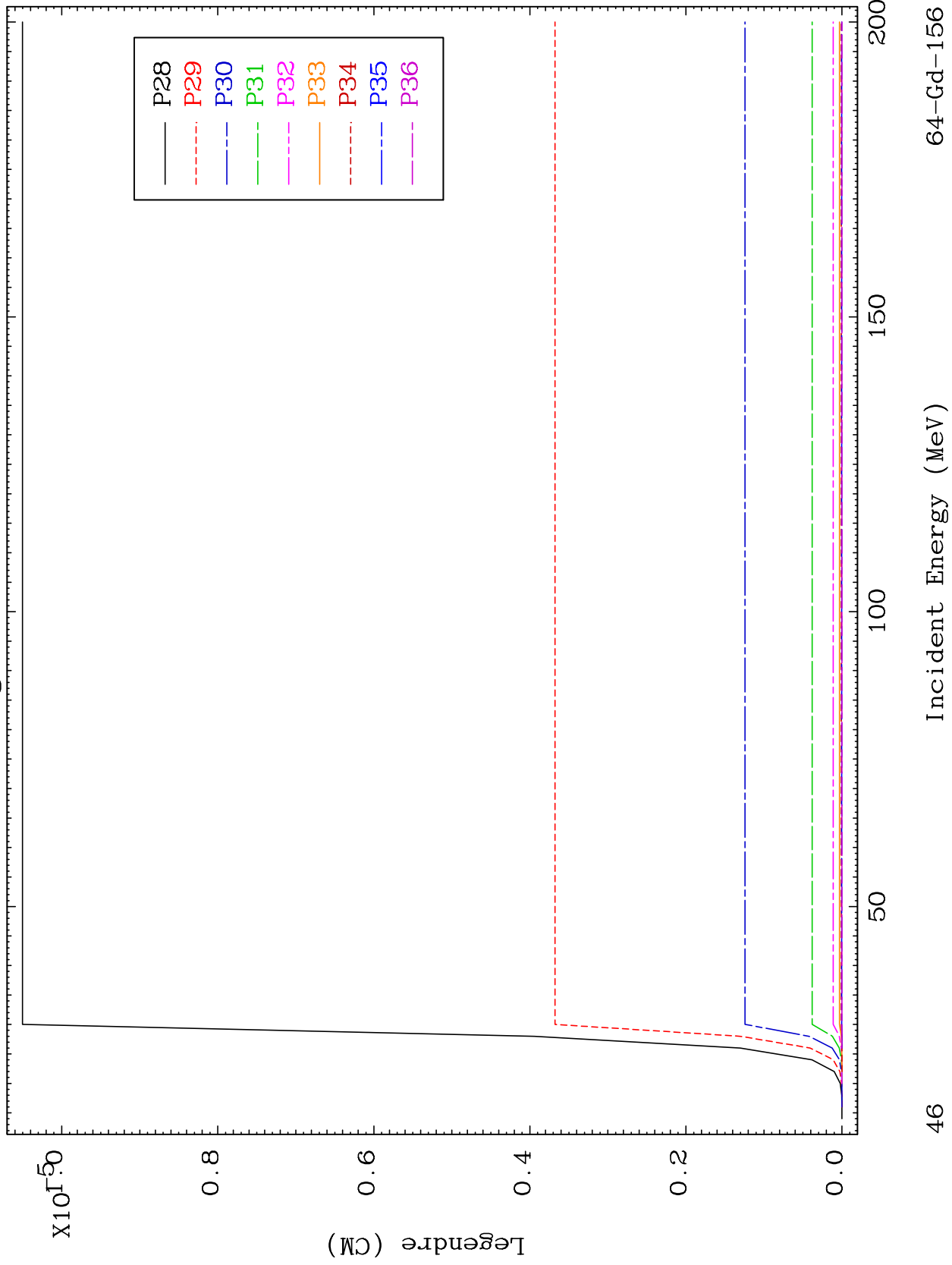
Incident Energy (MeV)

45

MAT 6437

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

64-Gd-156



46

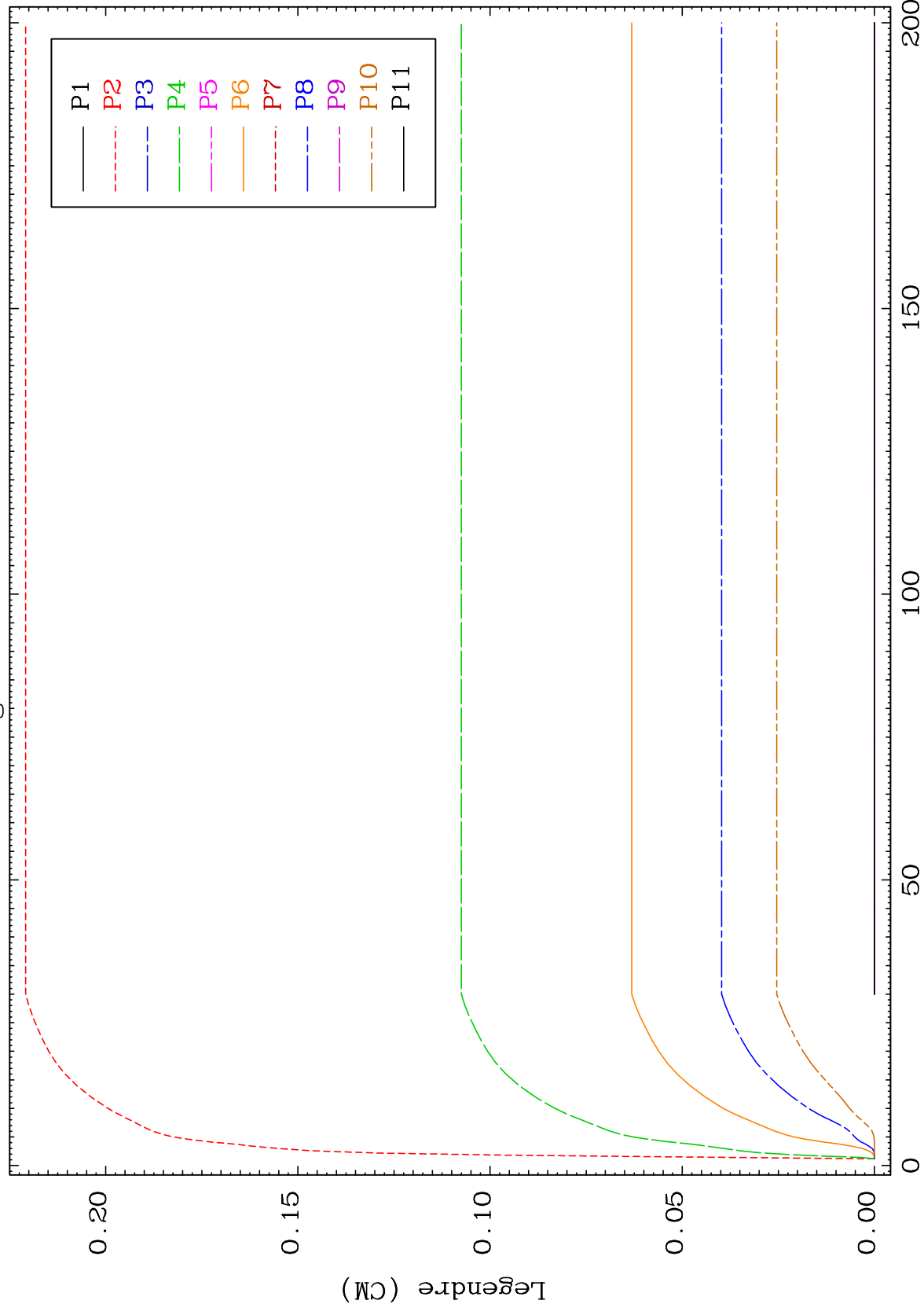
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



47

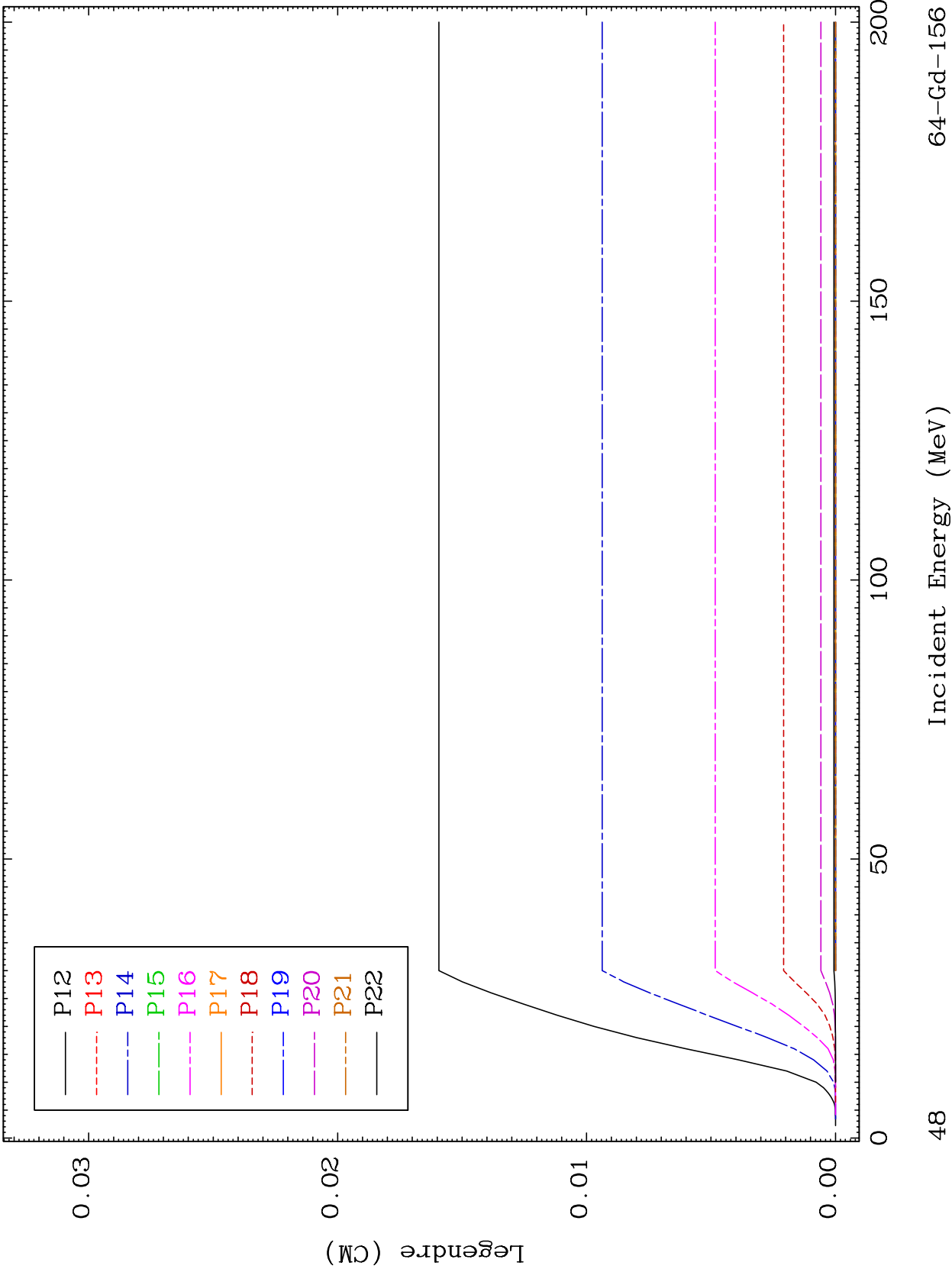
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

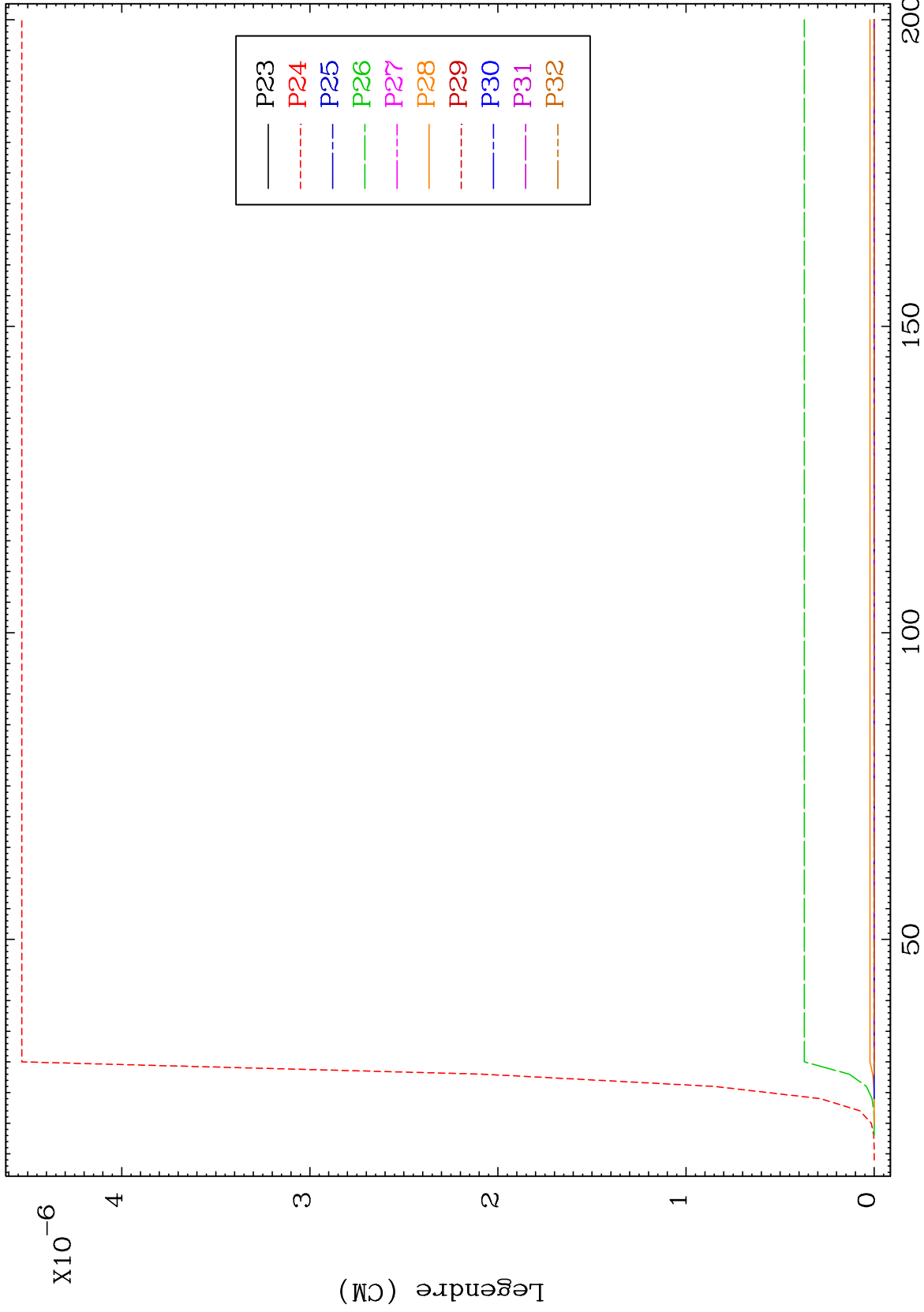
Incident Energy (MeV)

48

MAT 6437

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

64-Gd-156



49

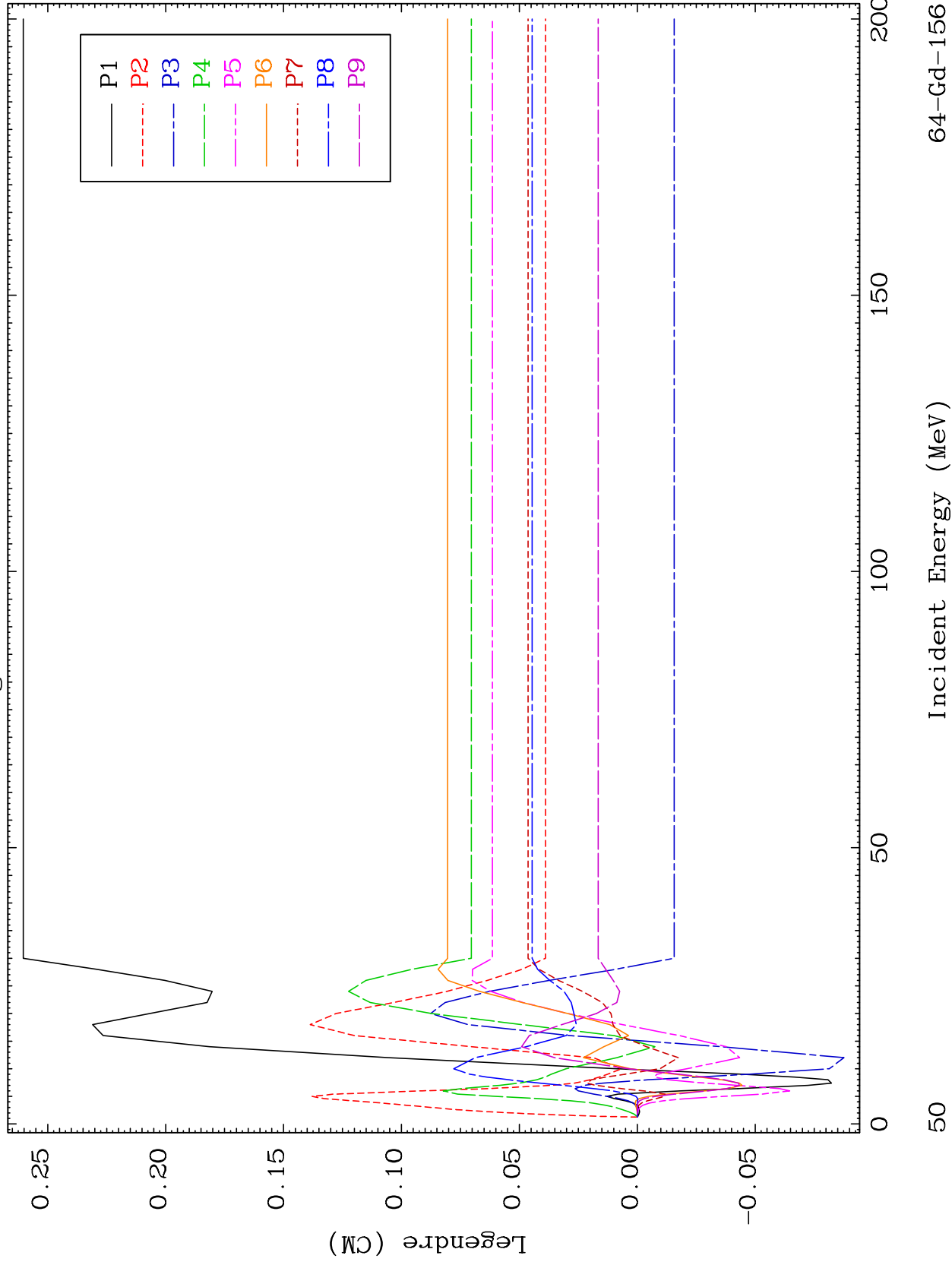
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



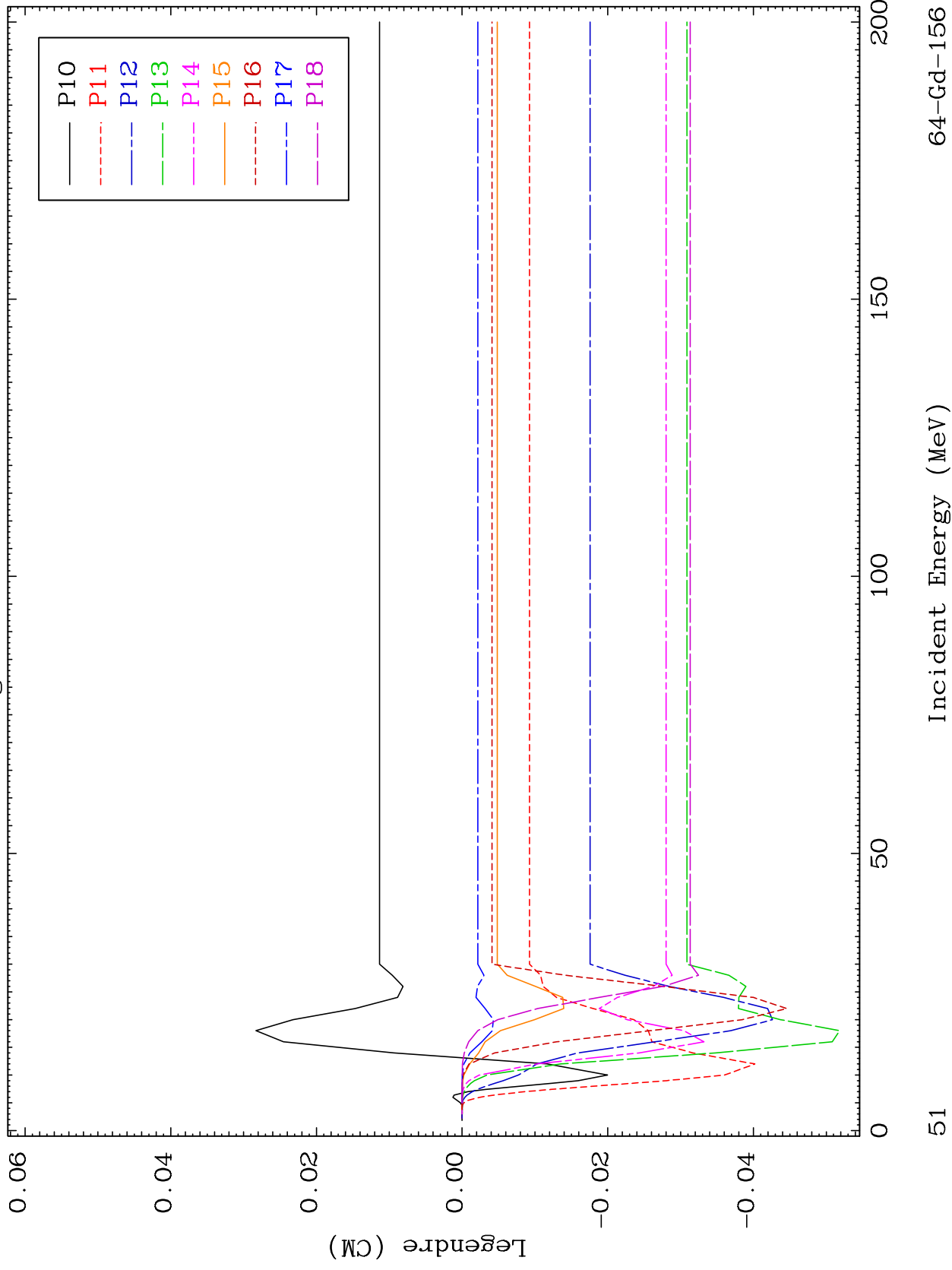
64-Gd-156

Incident Energy (MeV)

MAT 6437

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

64-Gd-156



51

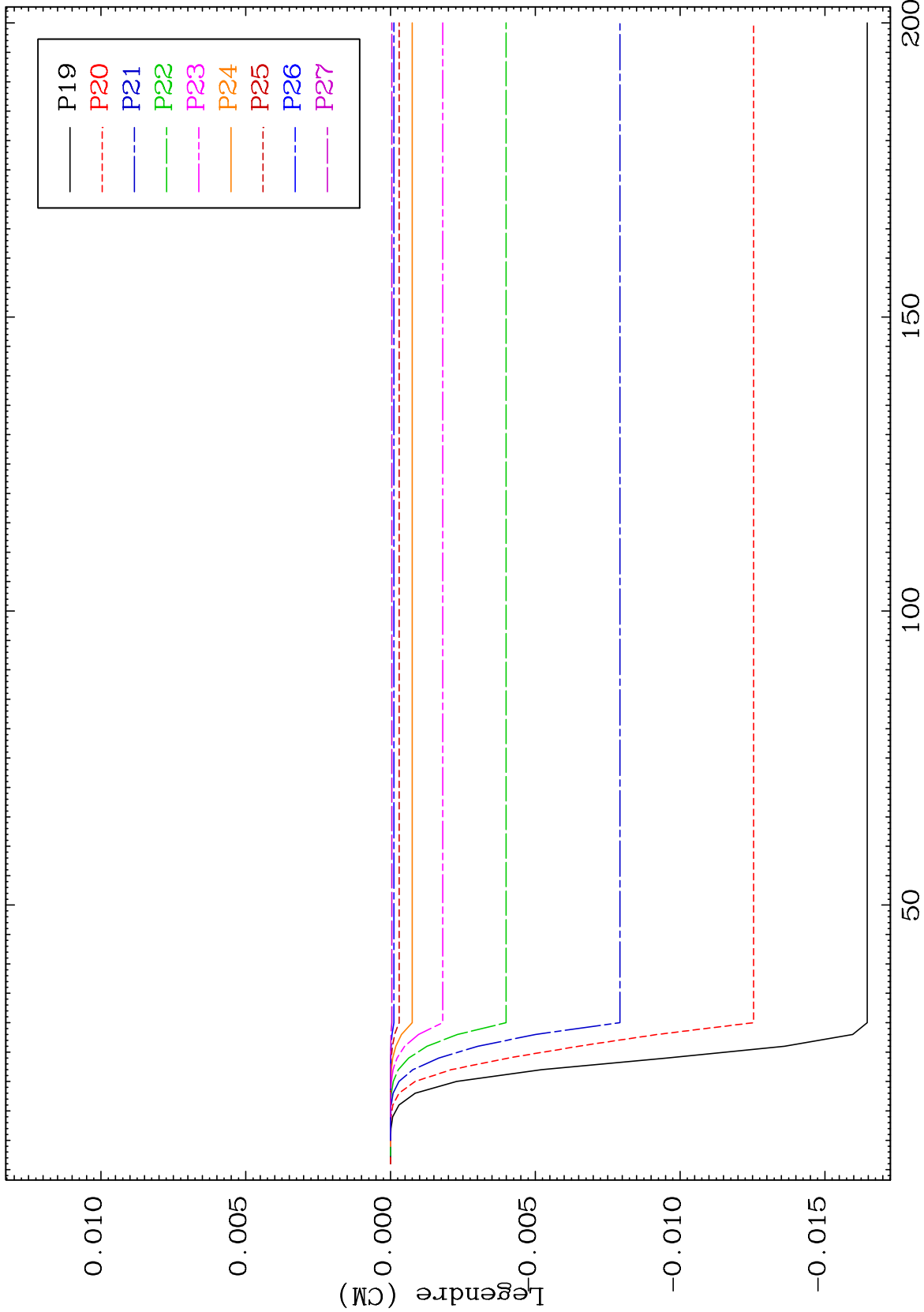
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



52

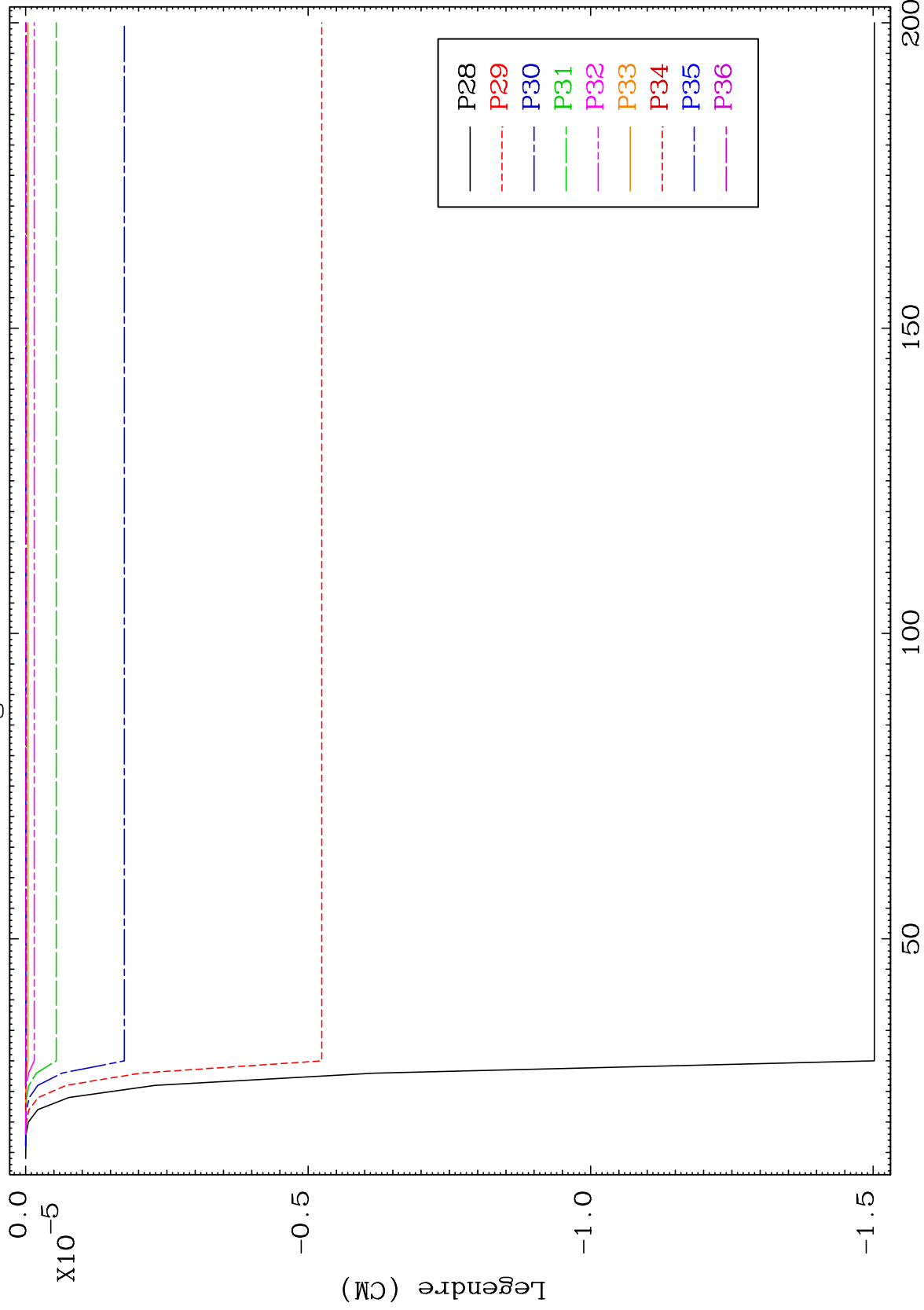
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



53

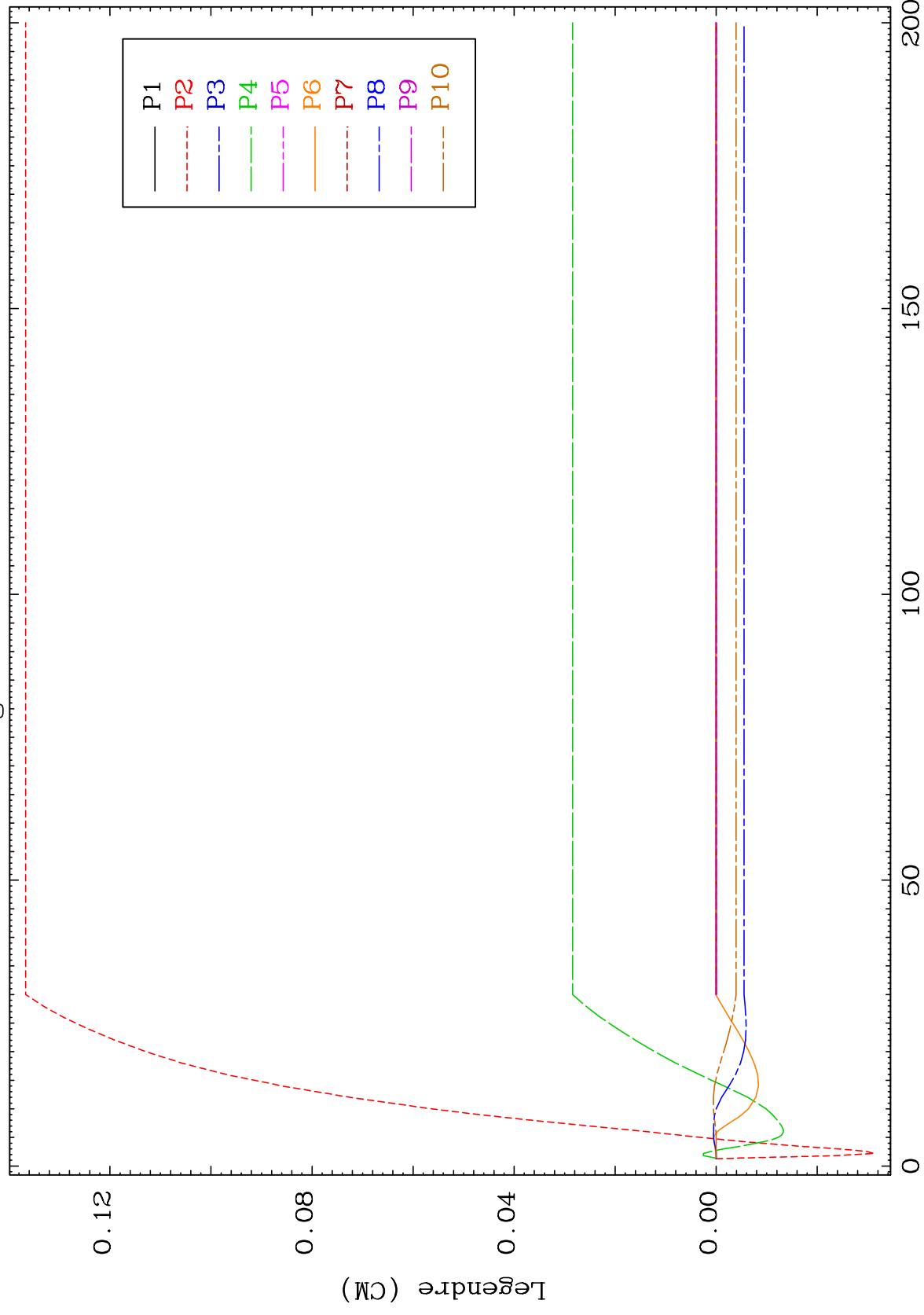
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

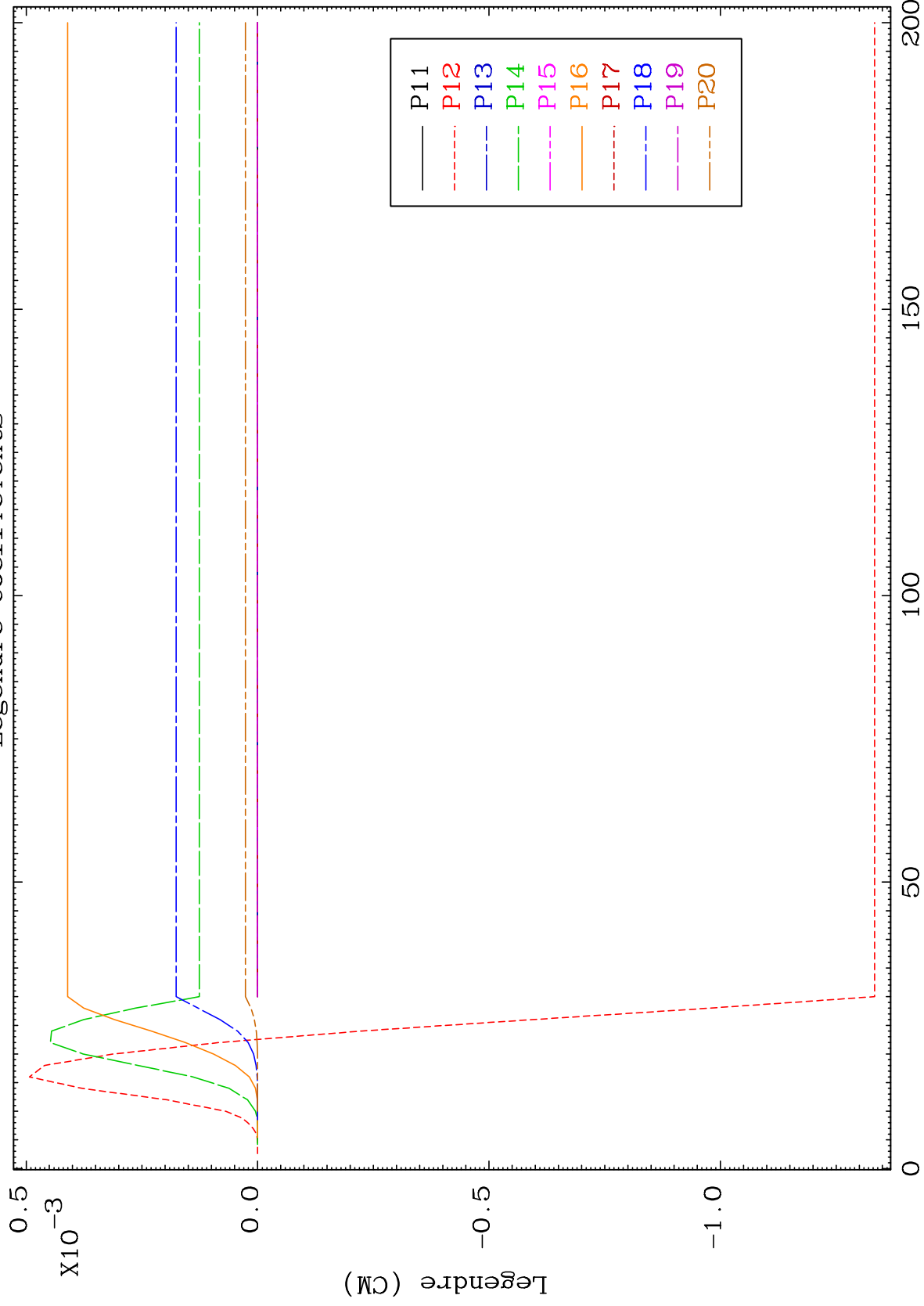
Incident Energy (MeV)

54

MAT 6437

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

64-Gd-156



55

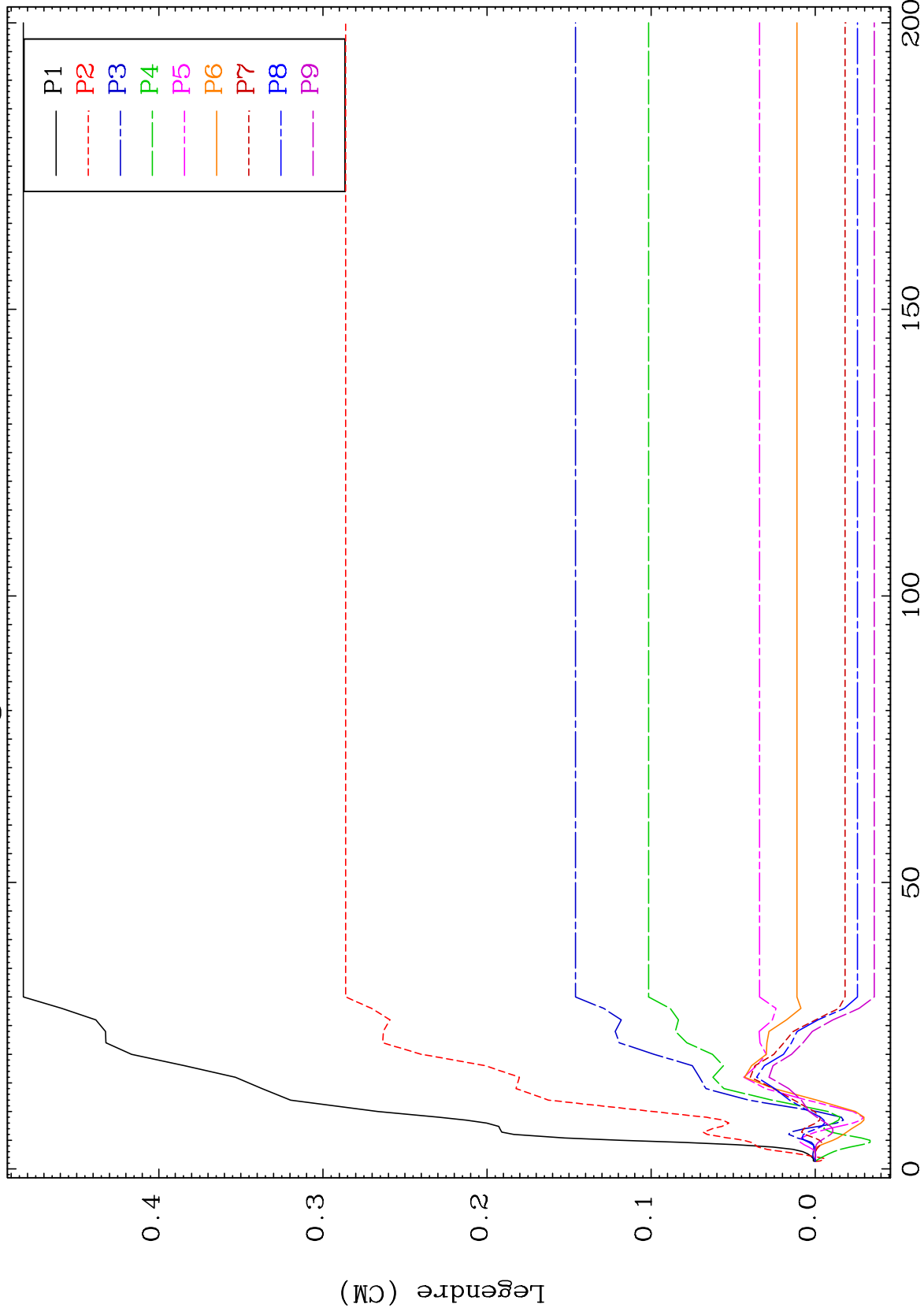
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



57

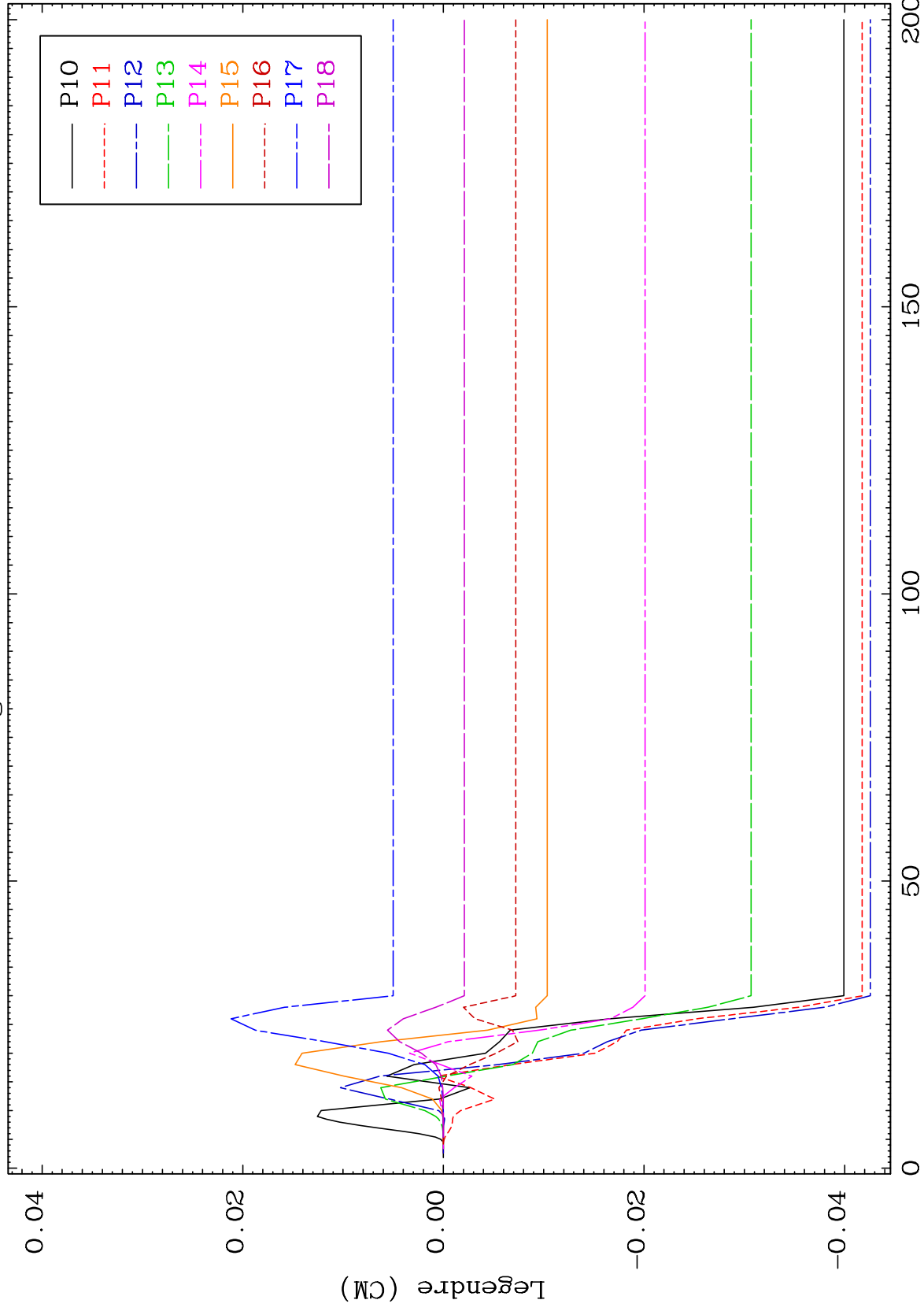
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

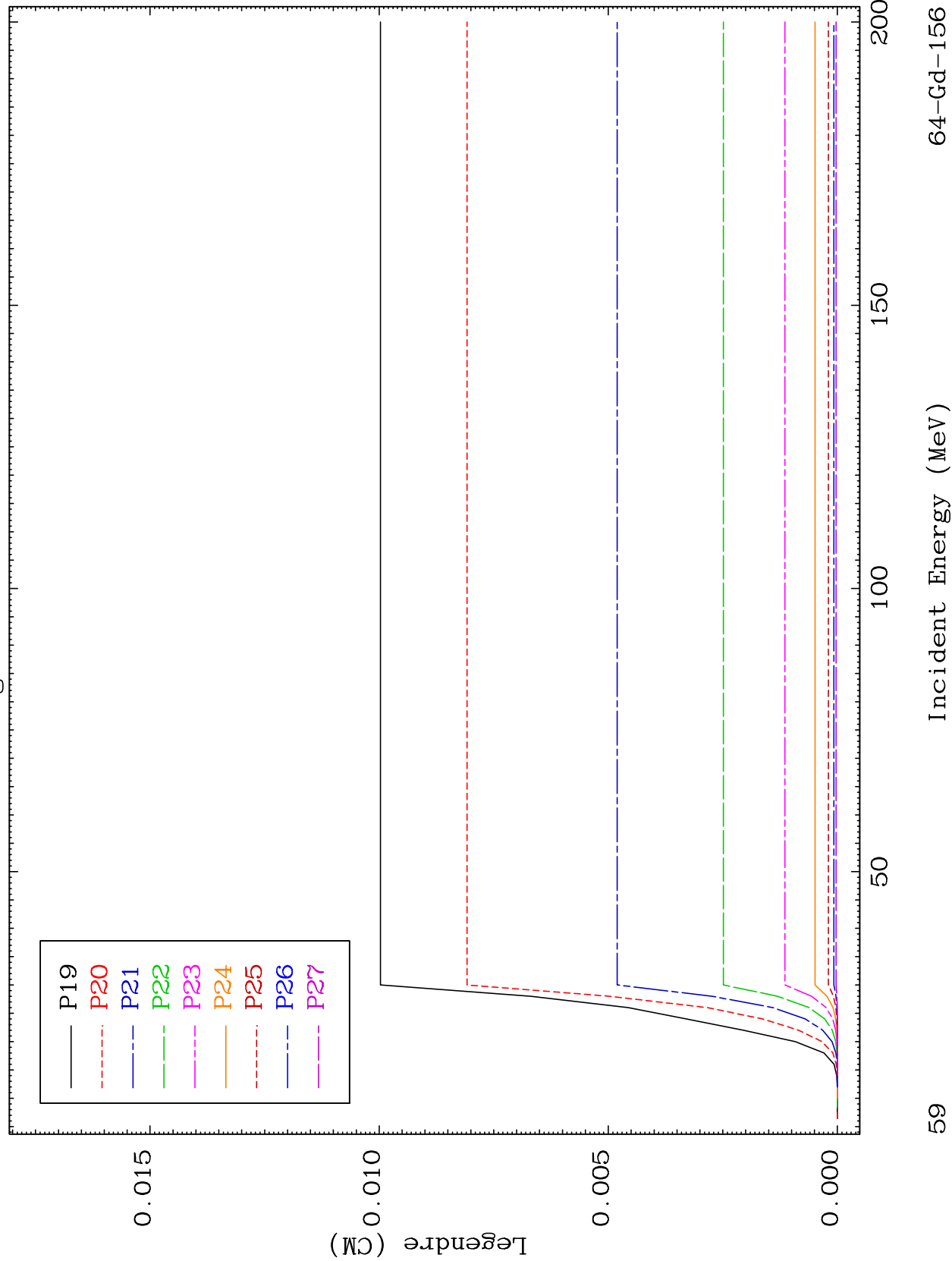
64-Gd-156



58

Incident Energy (MeV)

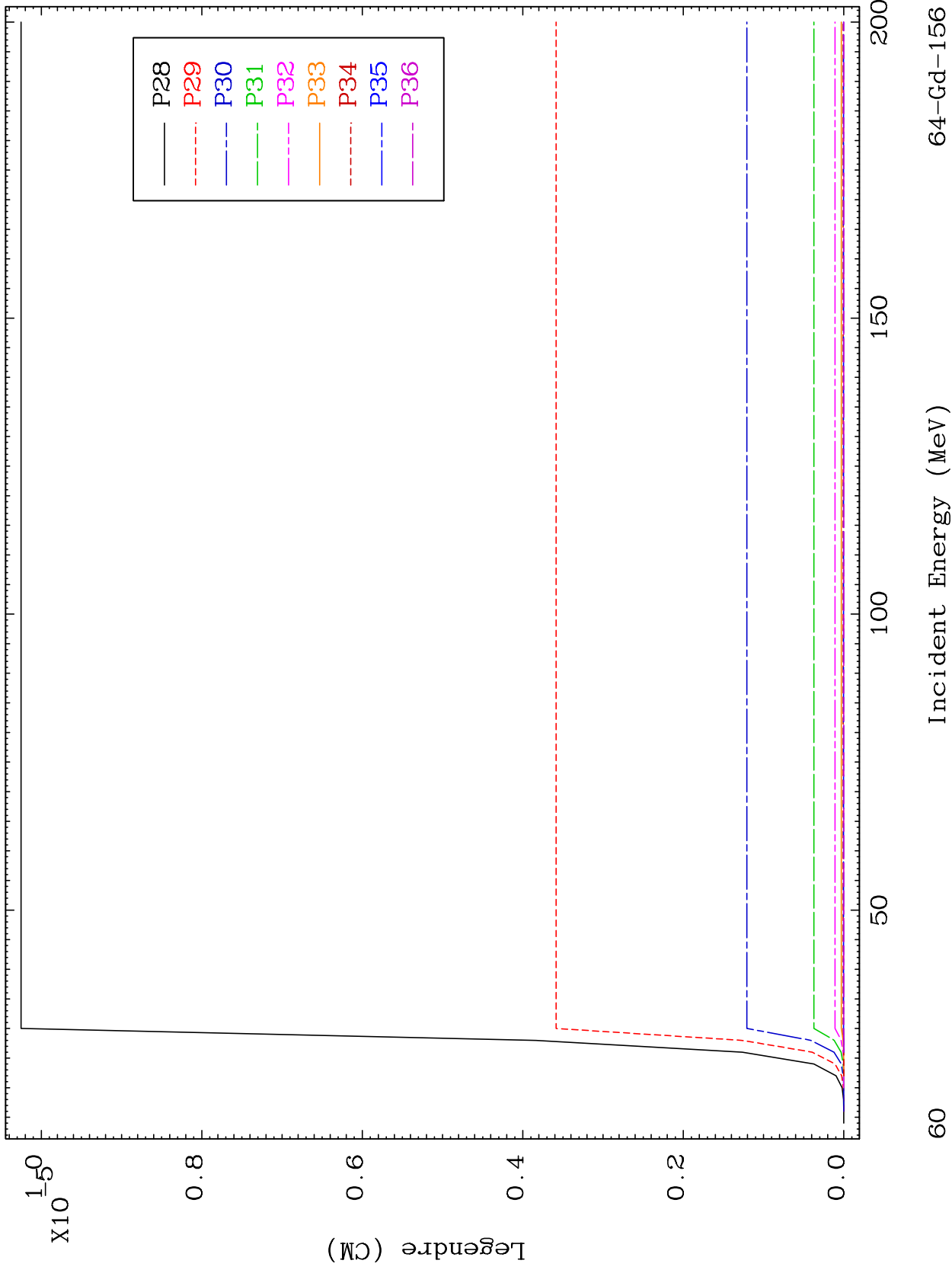
64-Gd-156



MAT 6437

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

64-Gd-156



64-Gd-156

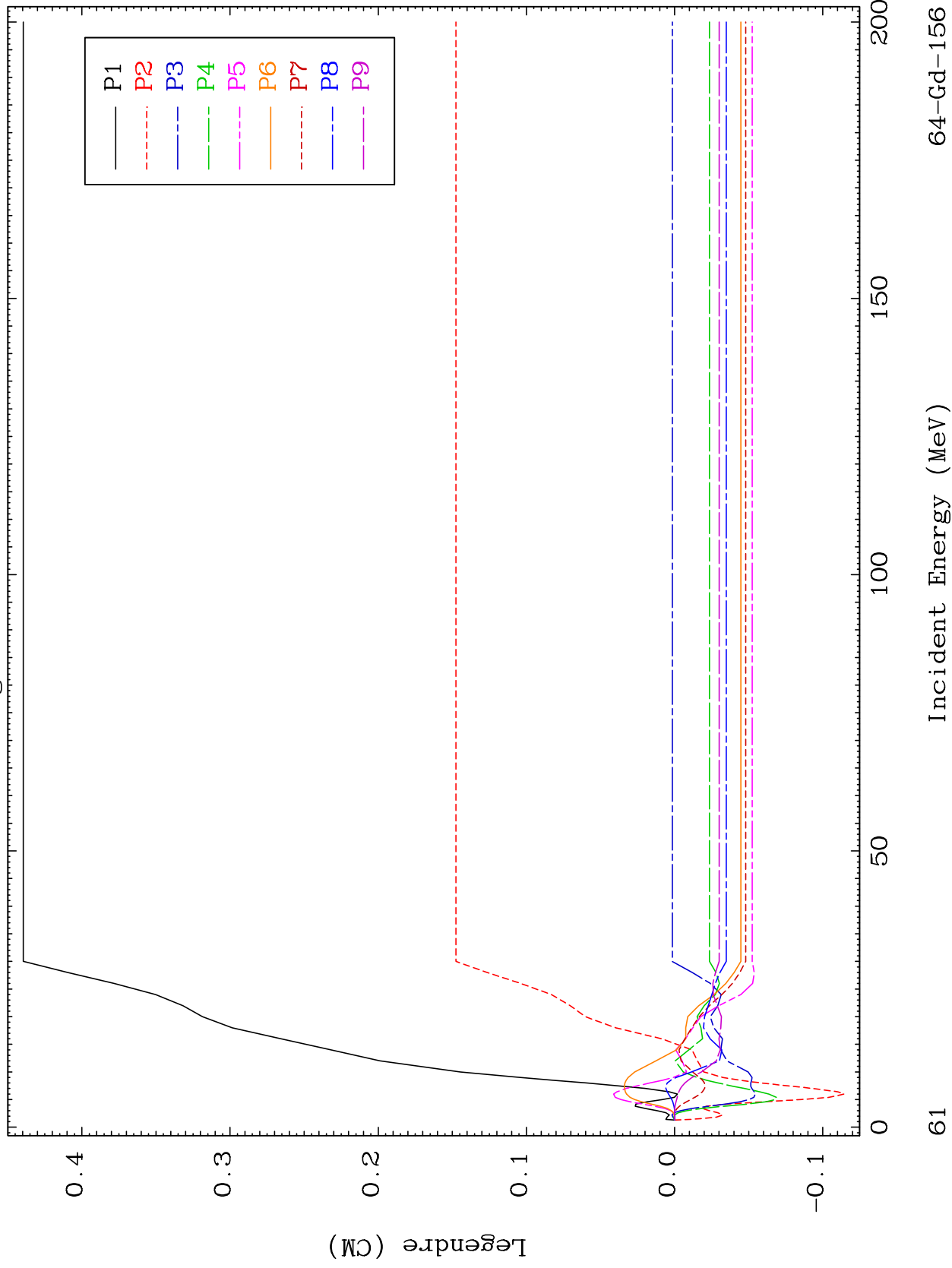
Incident Energy (MeV)

60

MAT 6437

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

64-Gd-156



64-Gd-156

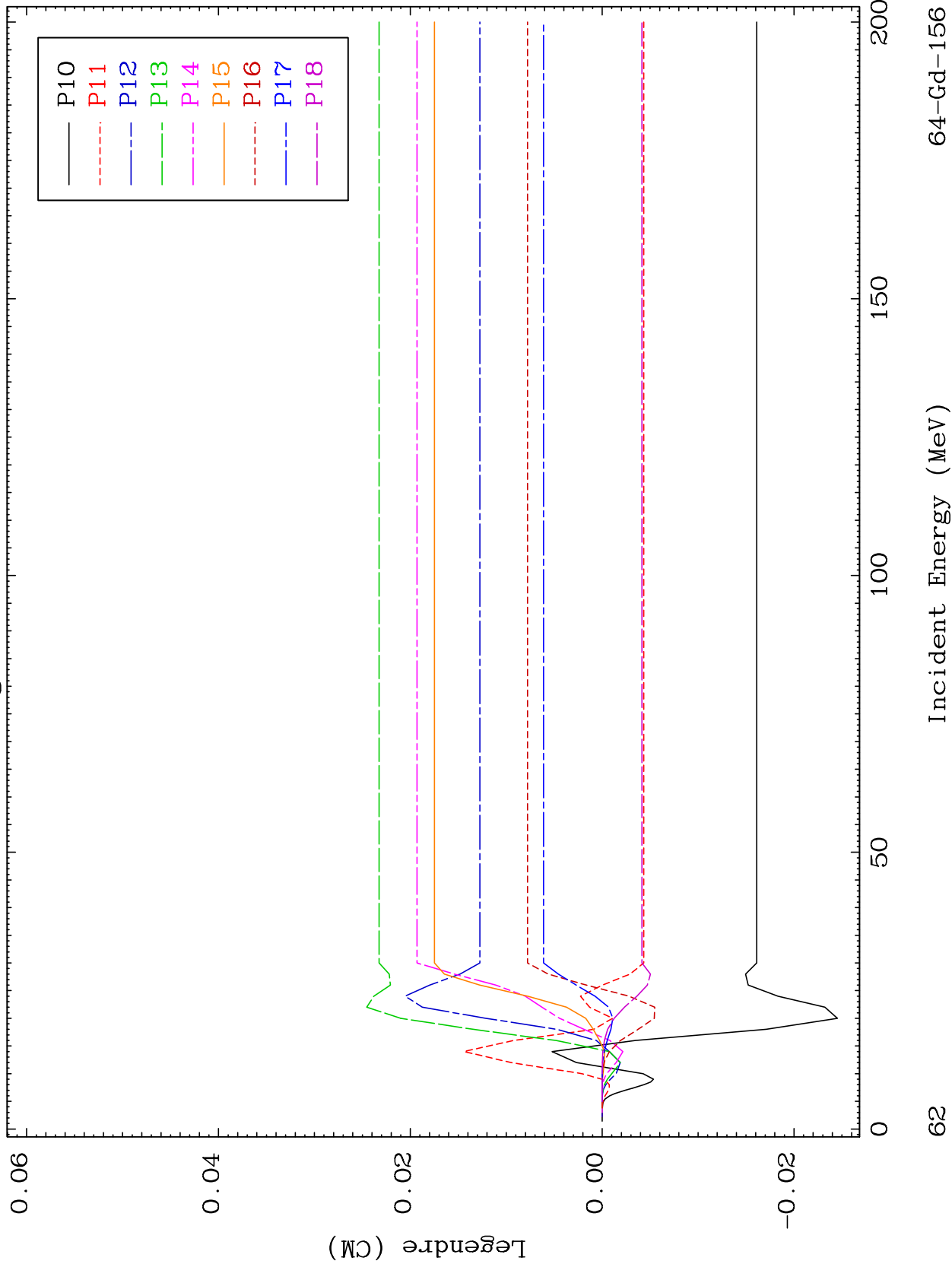
Incident Energy (MeV)

61

MAT 6437

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

64-Gd-156



64-Gd-156

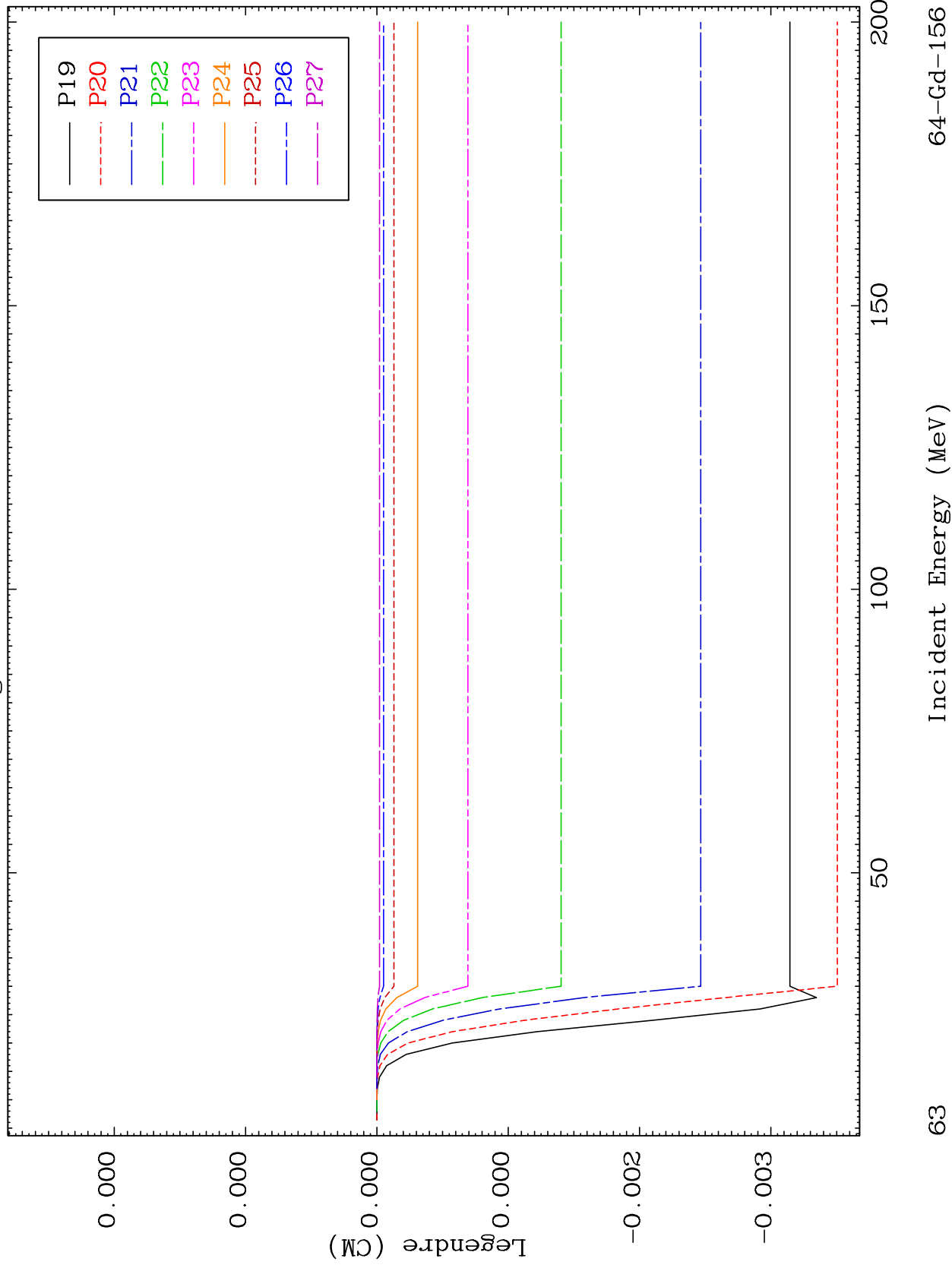
Incident Energy (MeV)

62

MAT 6437

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

64-Gd-156



63

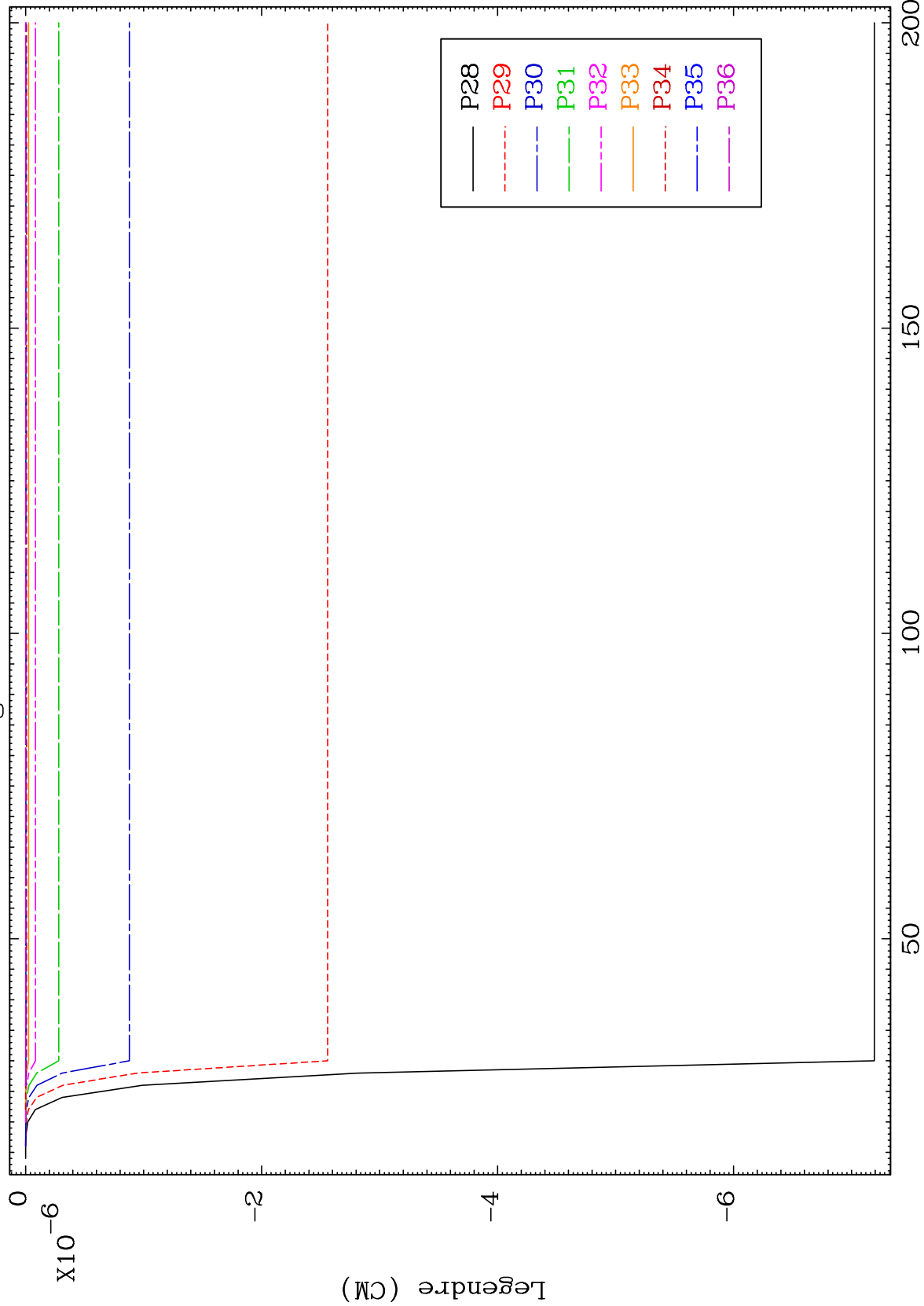
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64

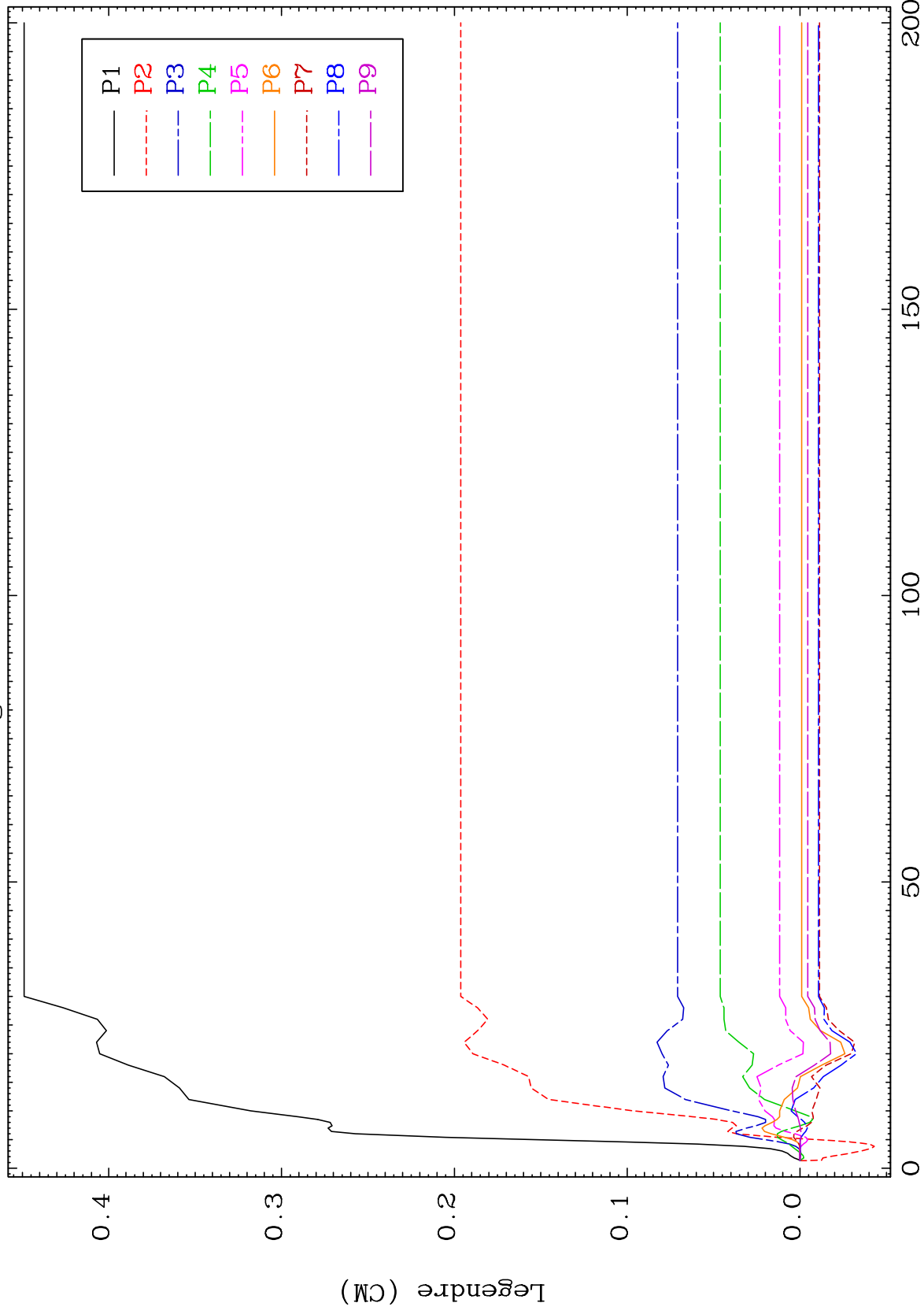
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

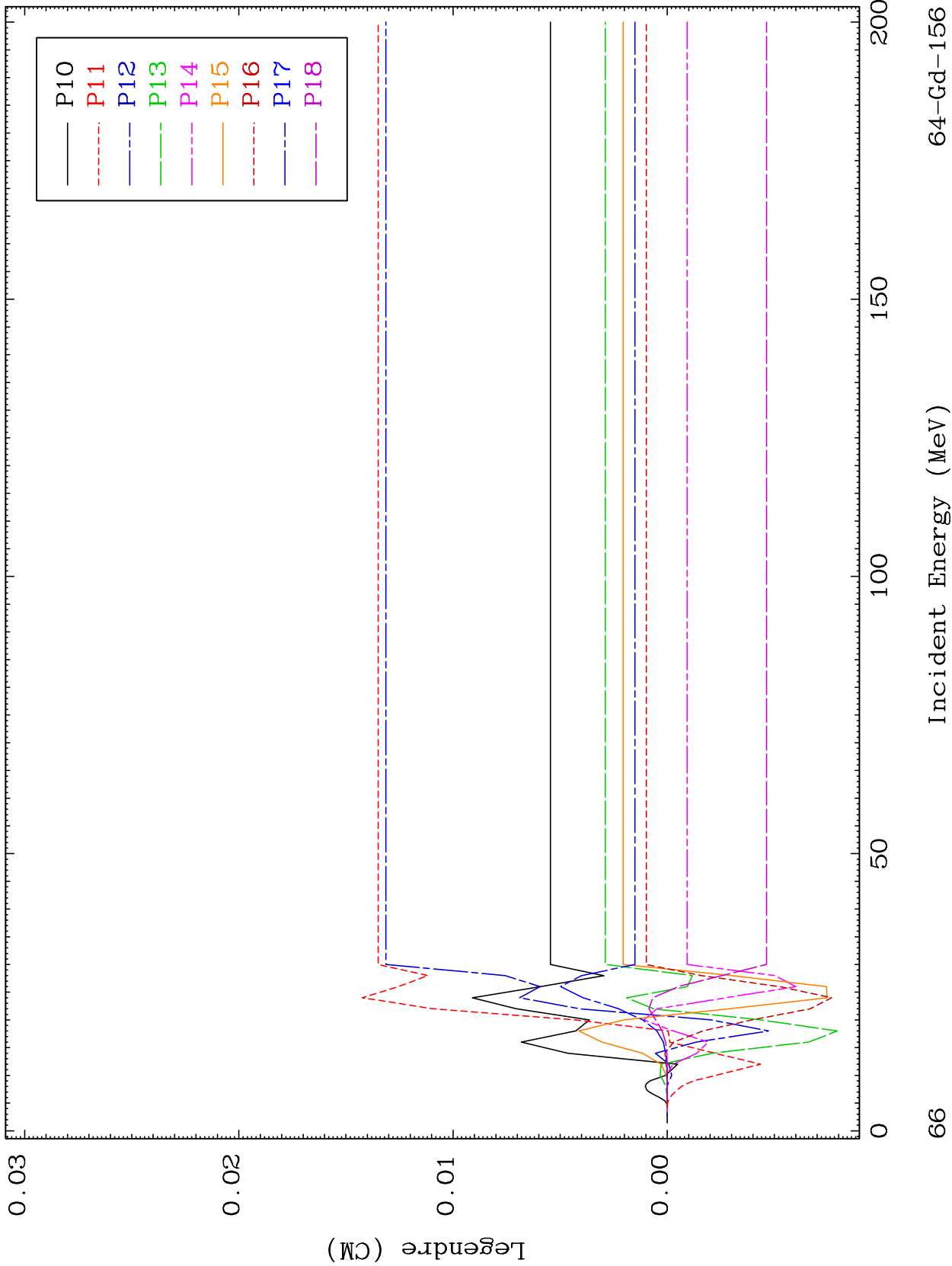
Incident Energy (MeV)

65

MAT 6437

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

64-Gd-156



64-Gd-156

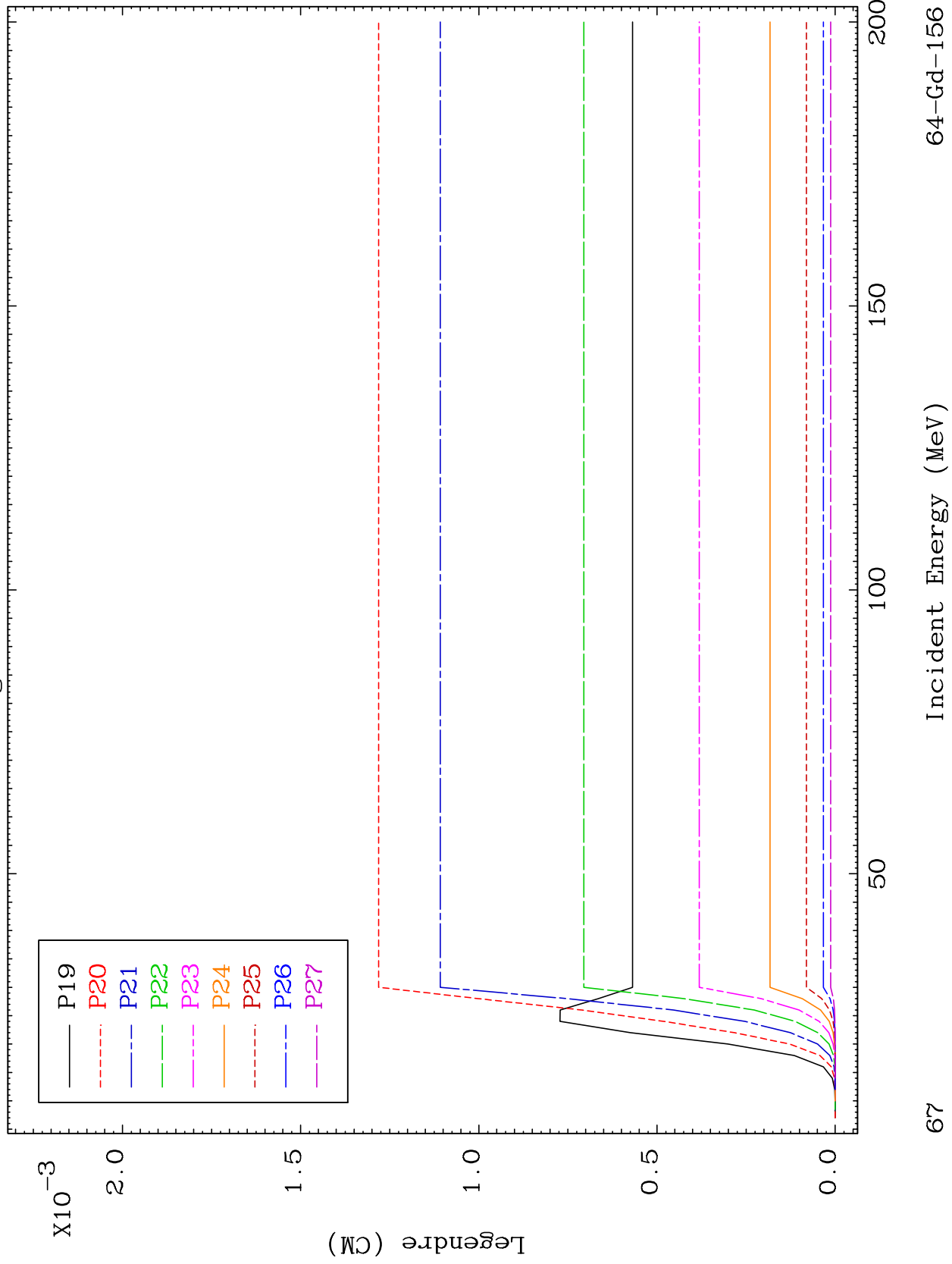
Incident Energy (MeV)

66

MAT 6437

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

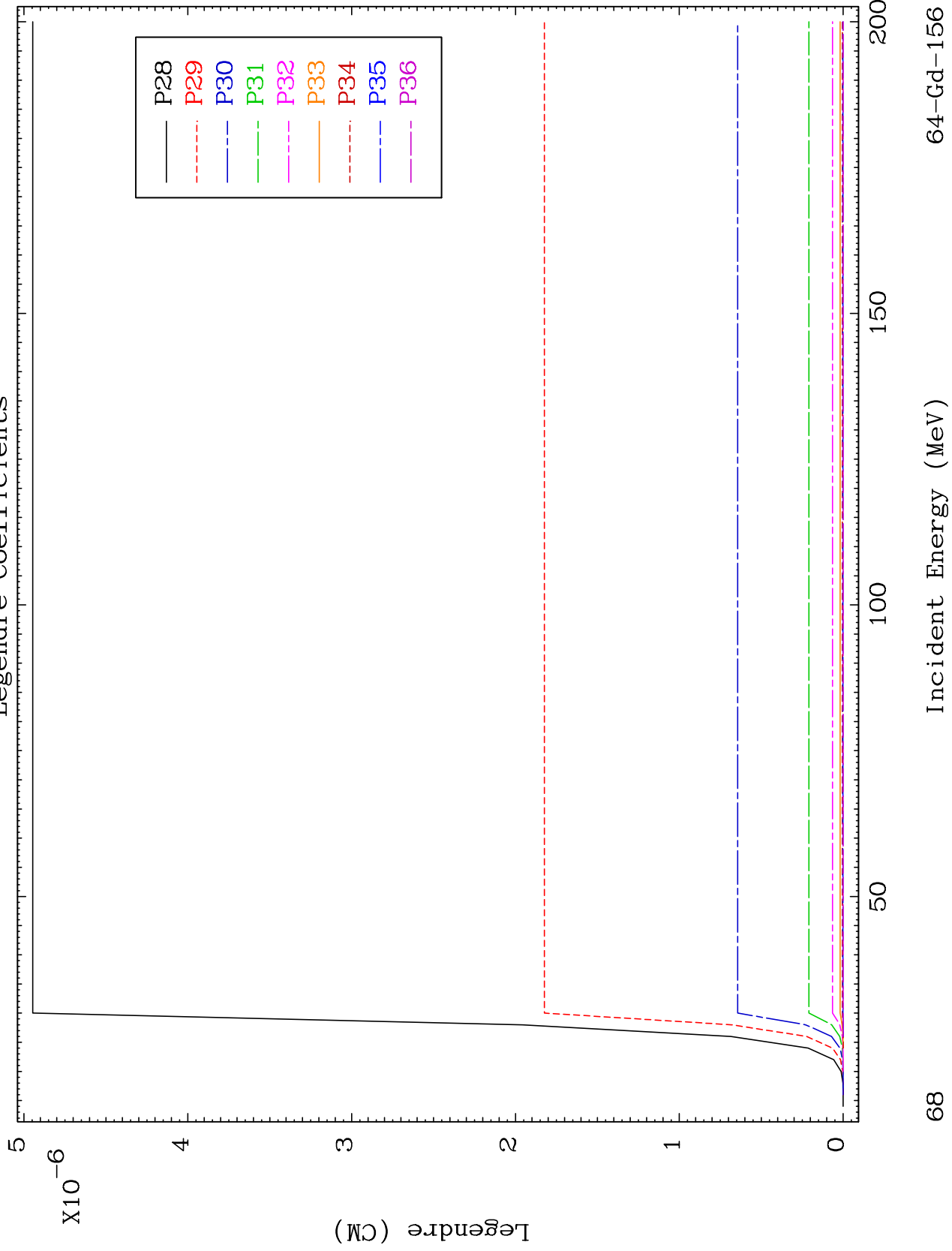
64-Gd-156



MAT 6437

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

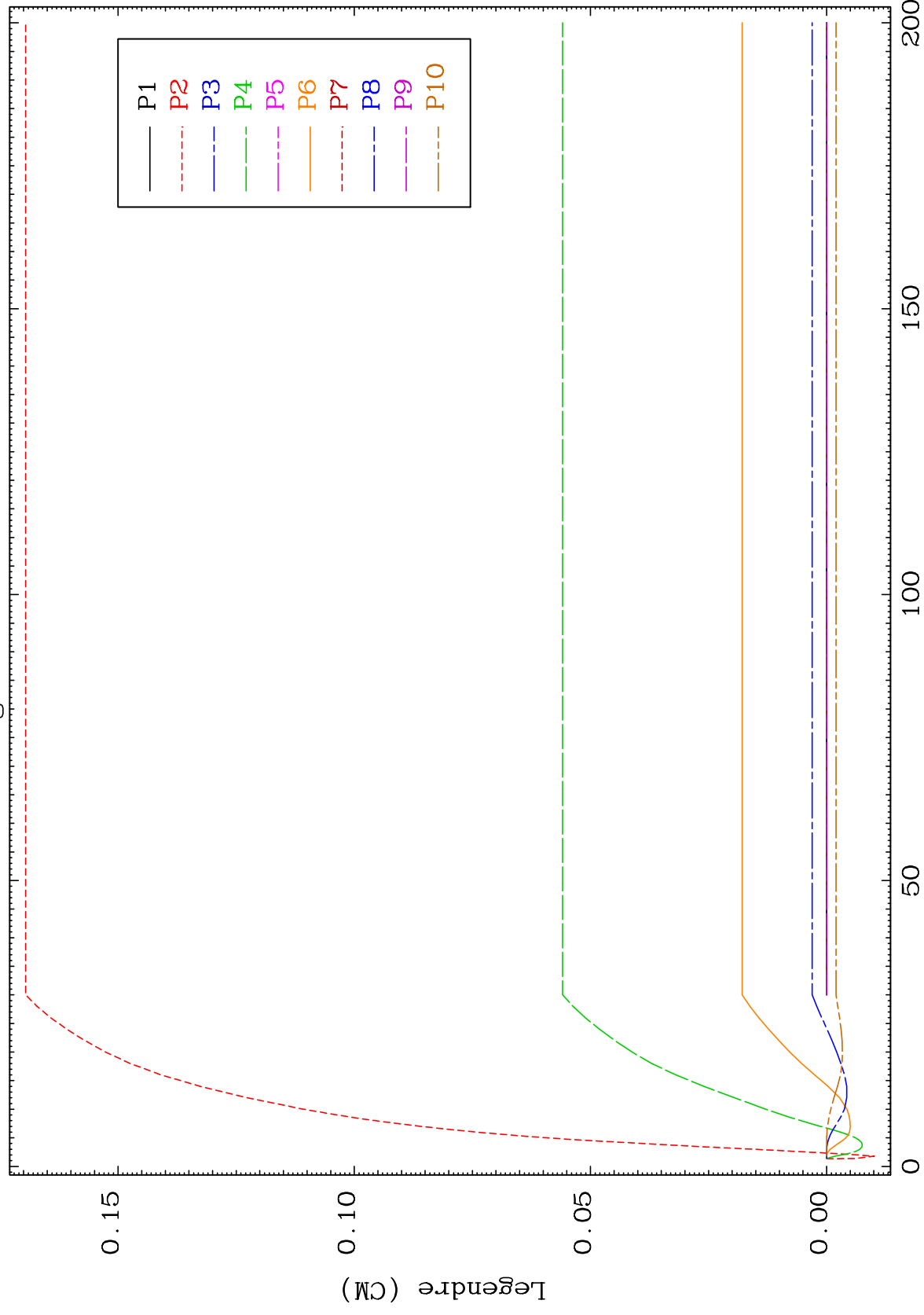
64-Gd-156



MAT 6437

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

64-Gd-156



69

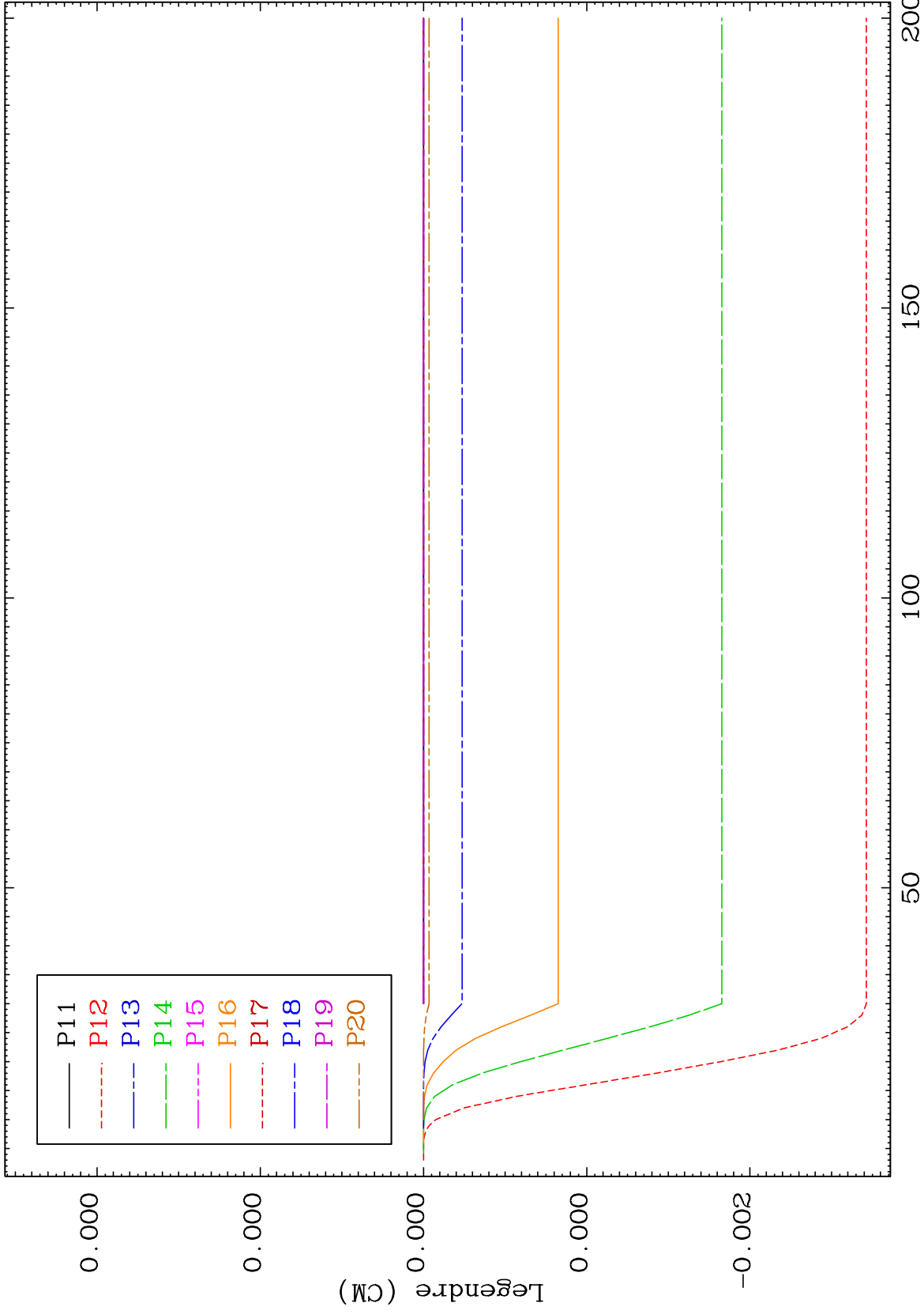
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



70

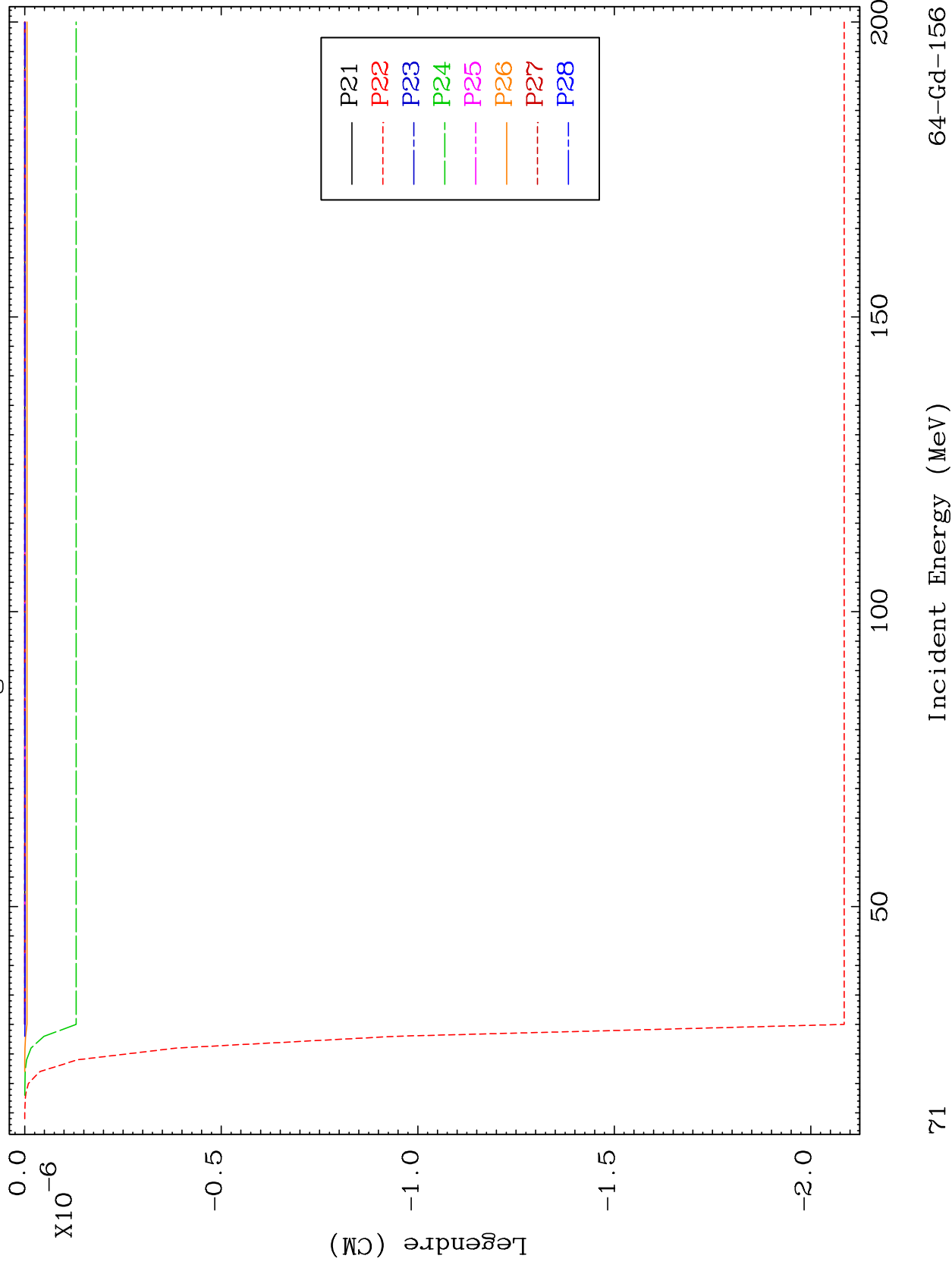
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



71

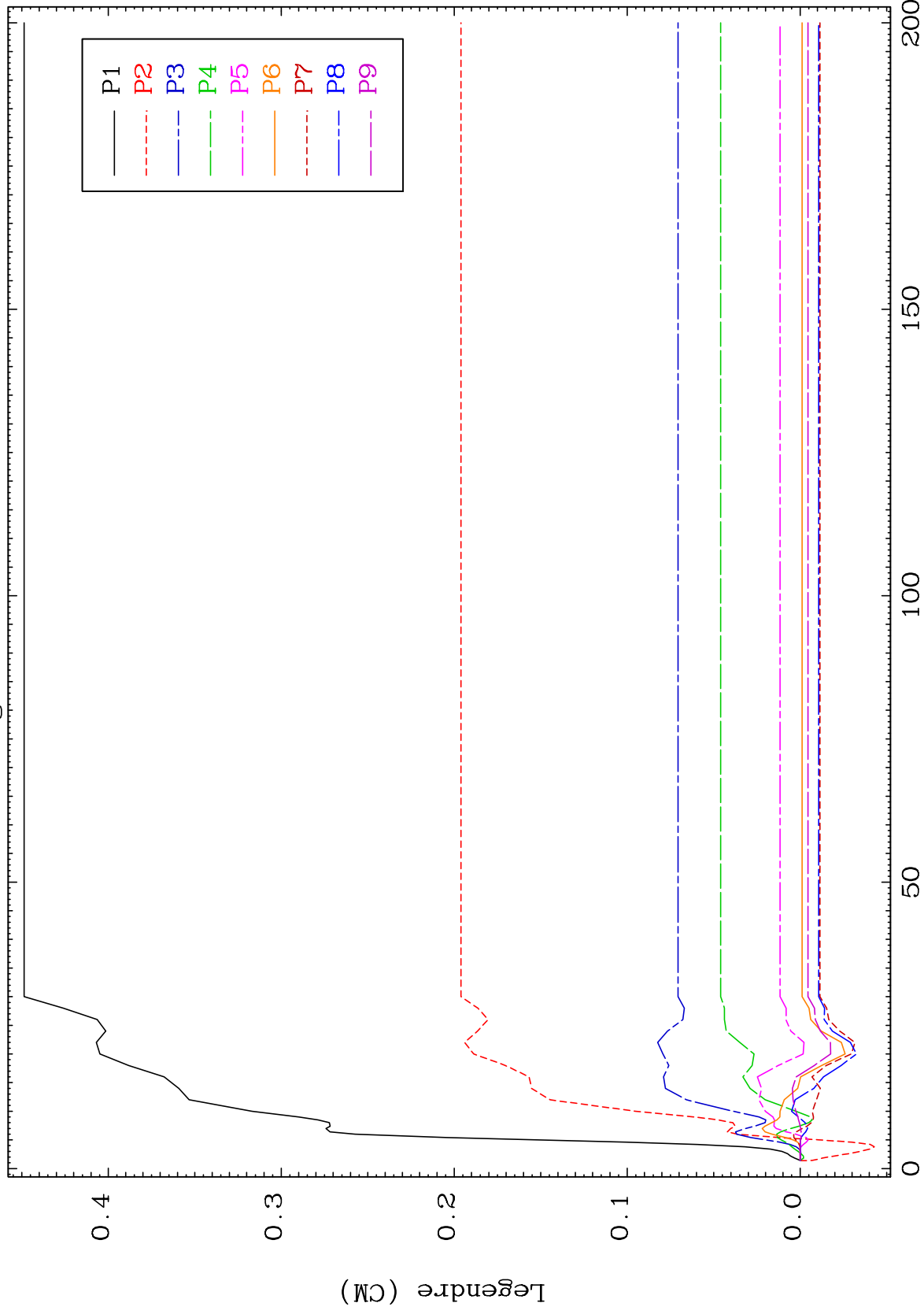
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



72

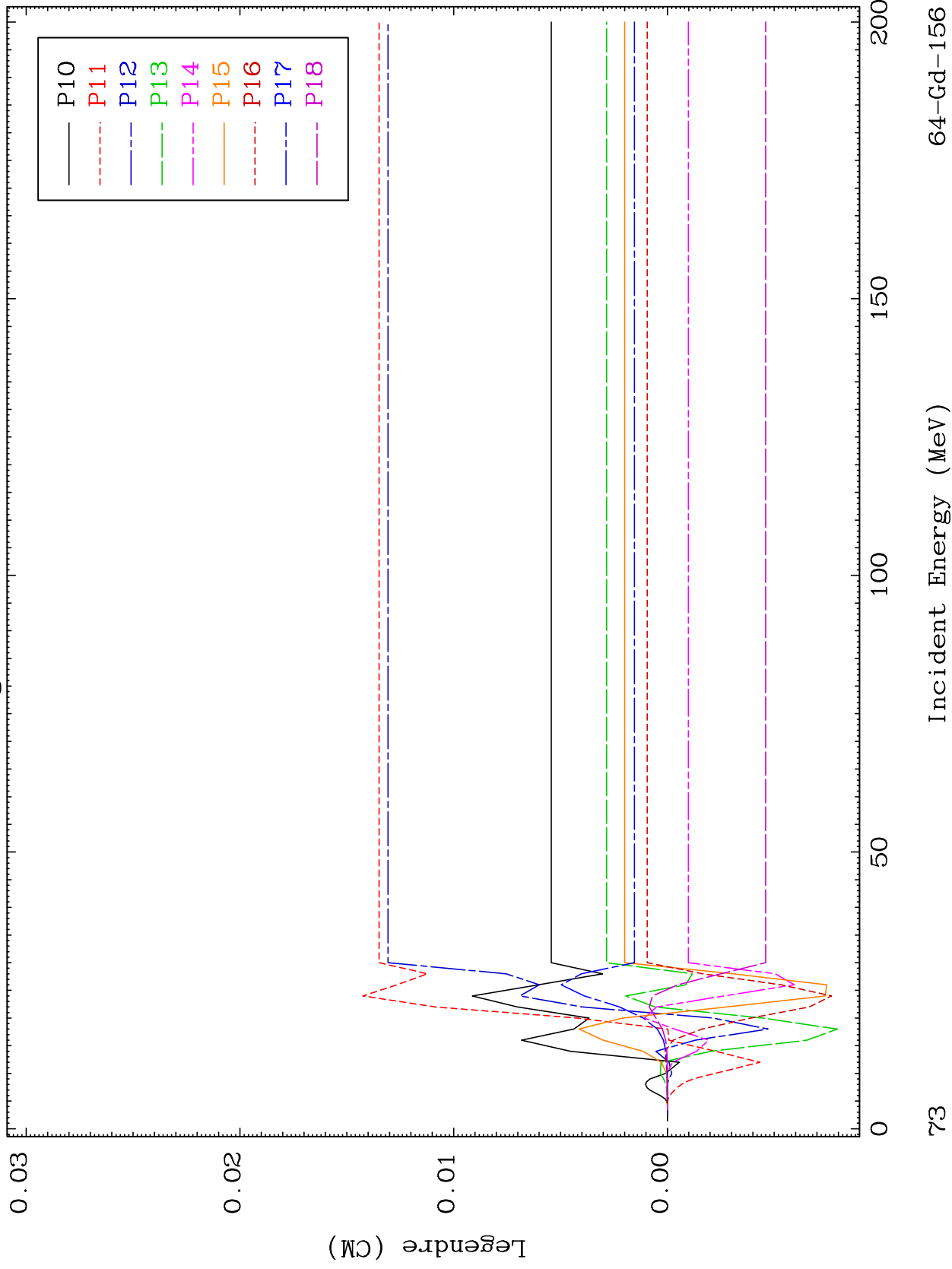
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

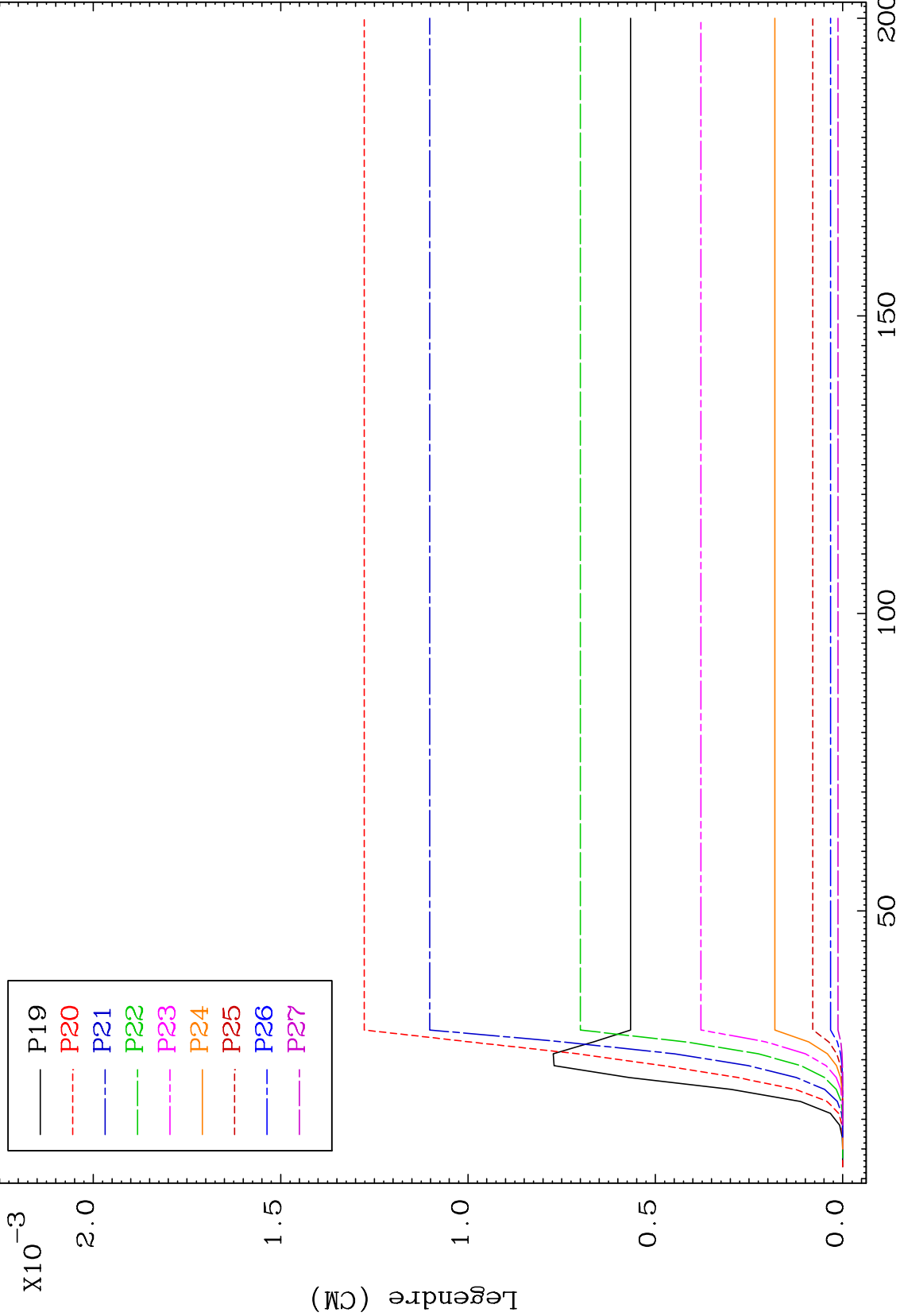
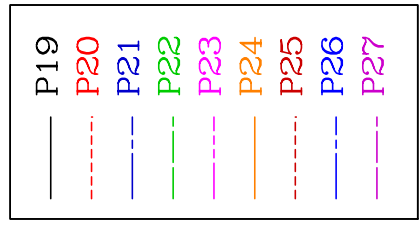
Incident Energy (MeV)

73

MAT 6437

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

64-Gd-156



74

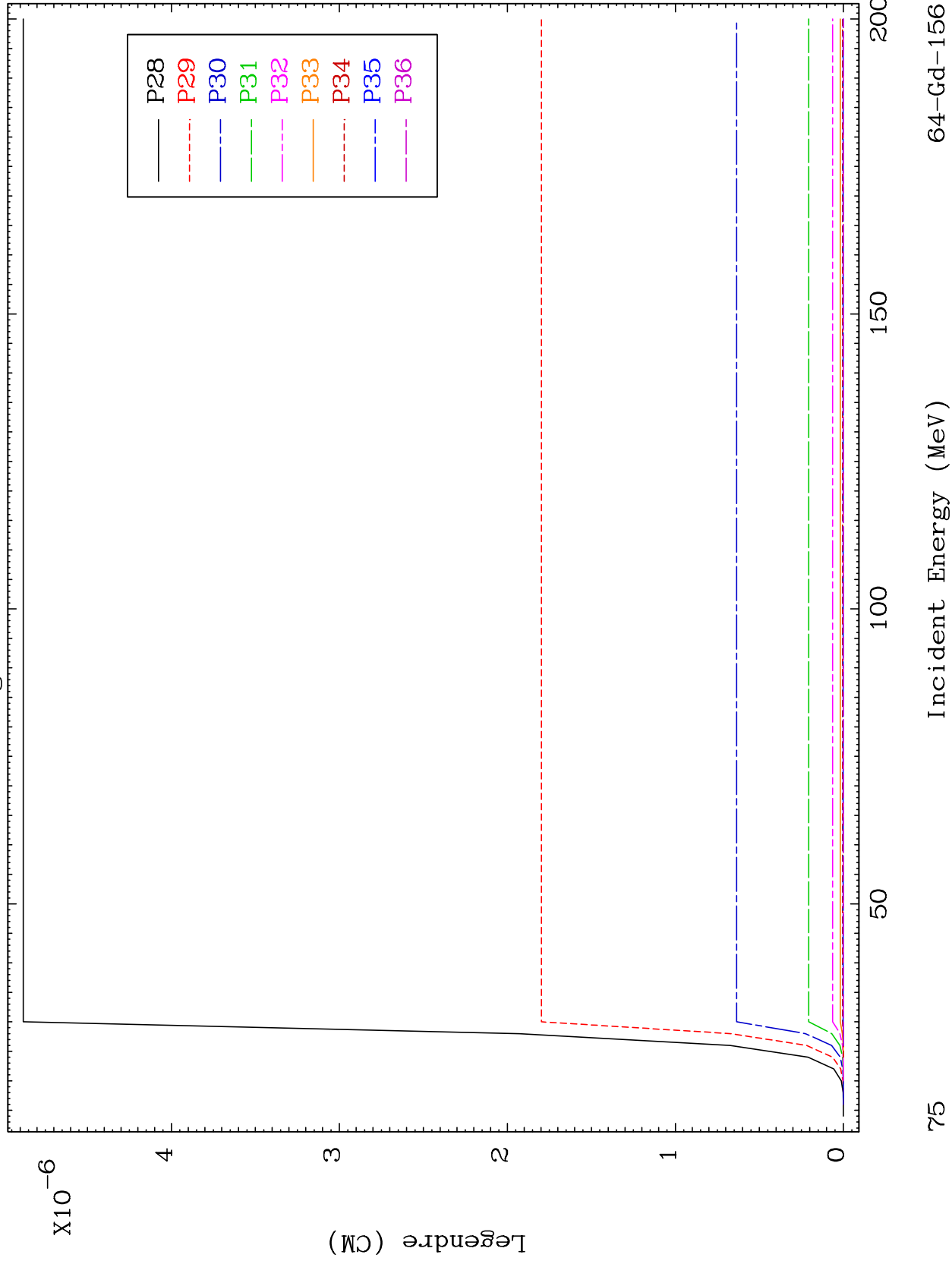
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



75

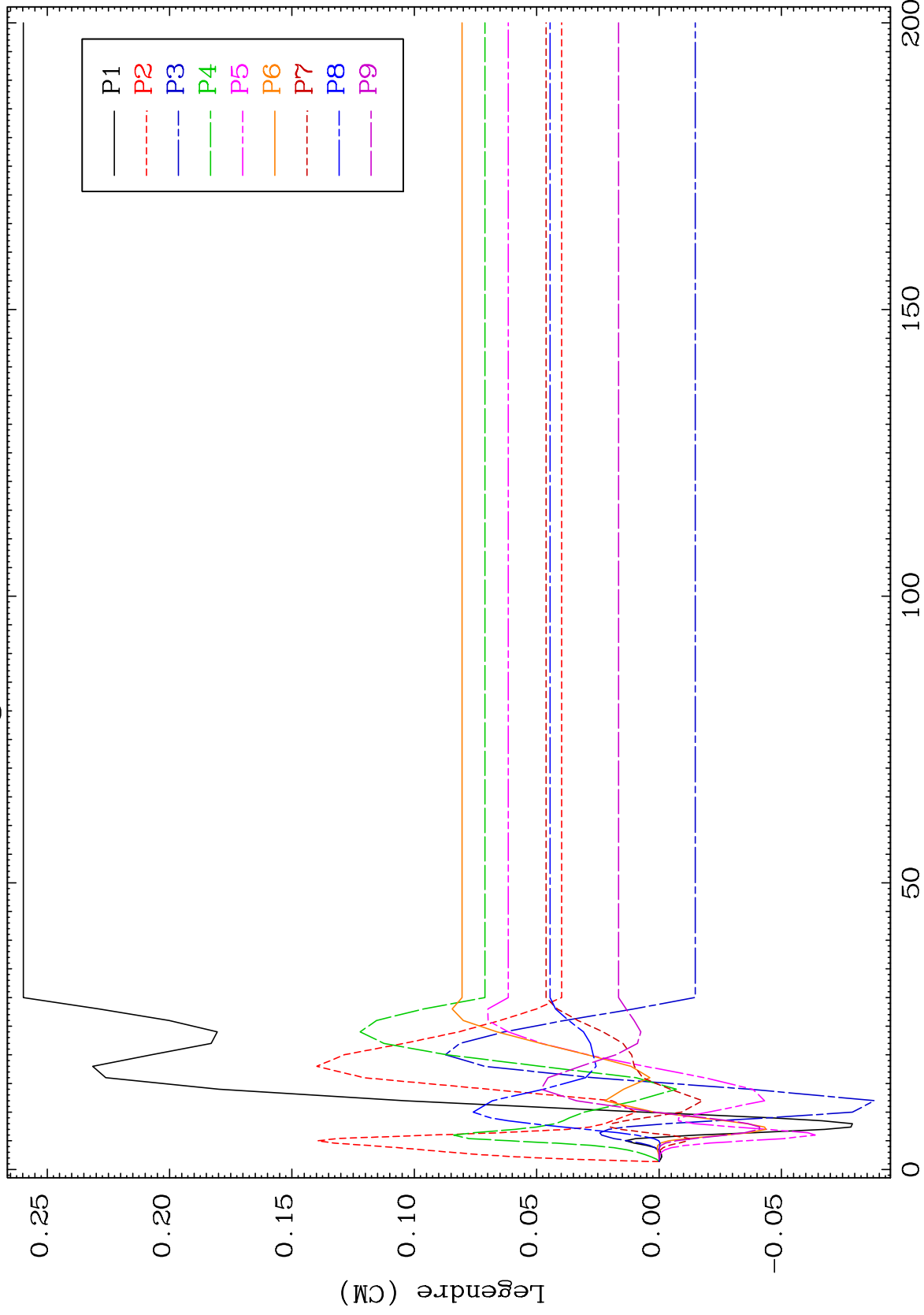
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



76

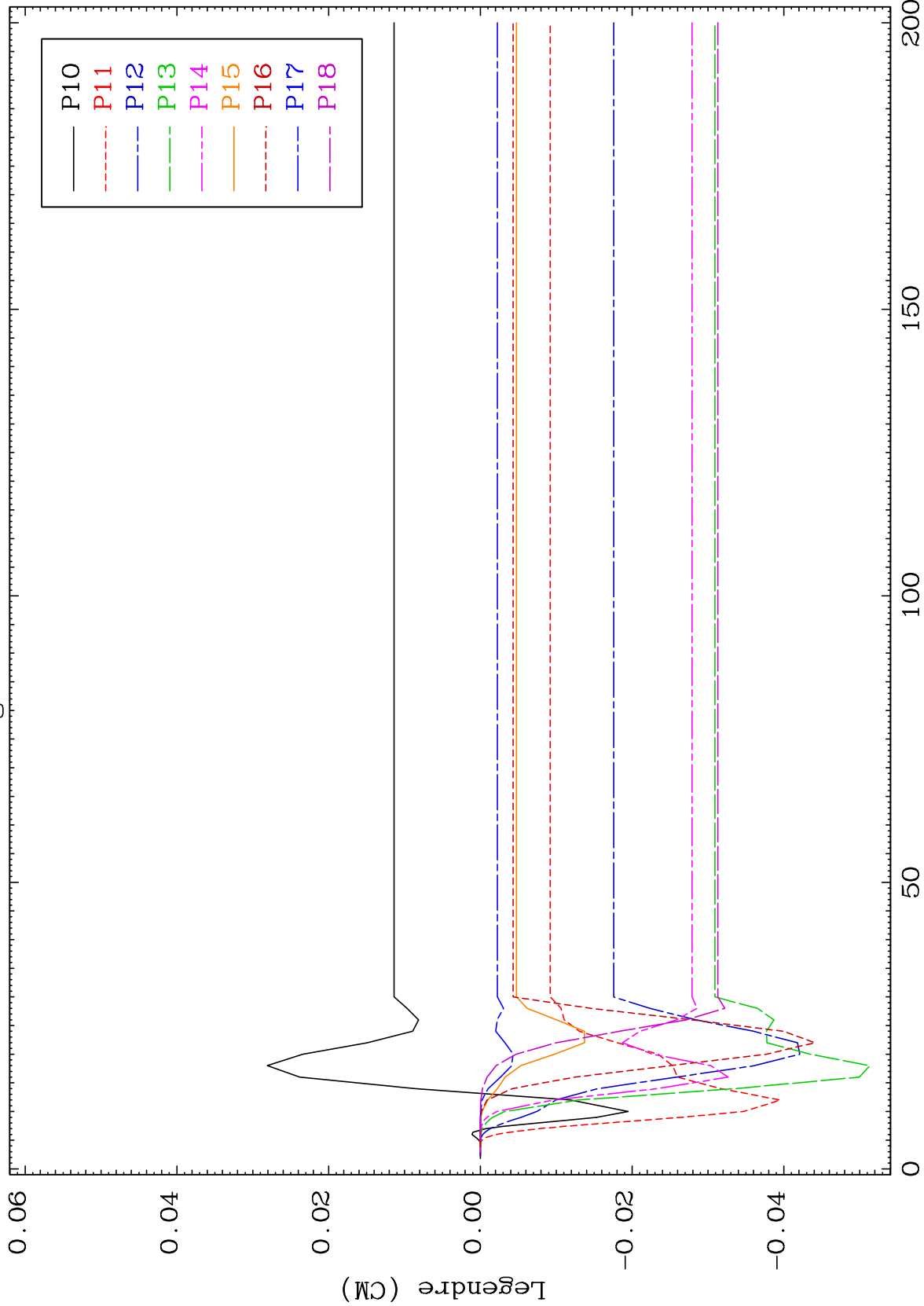
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



77

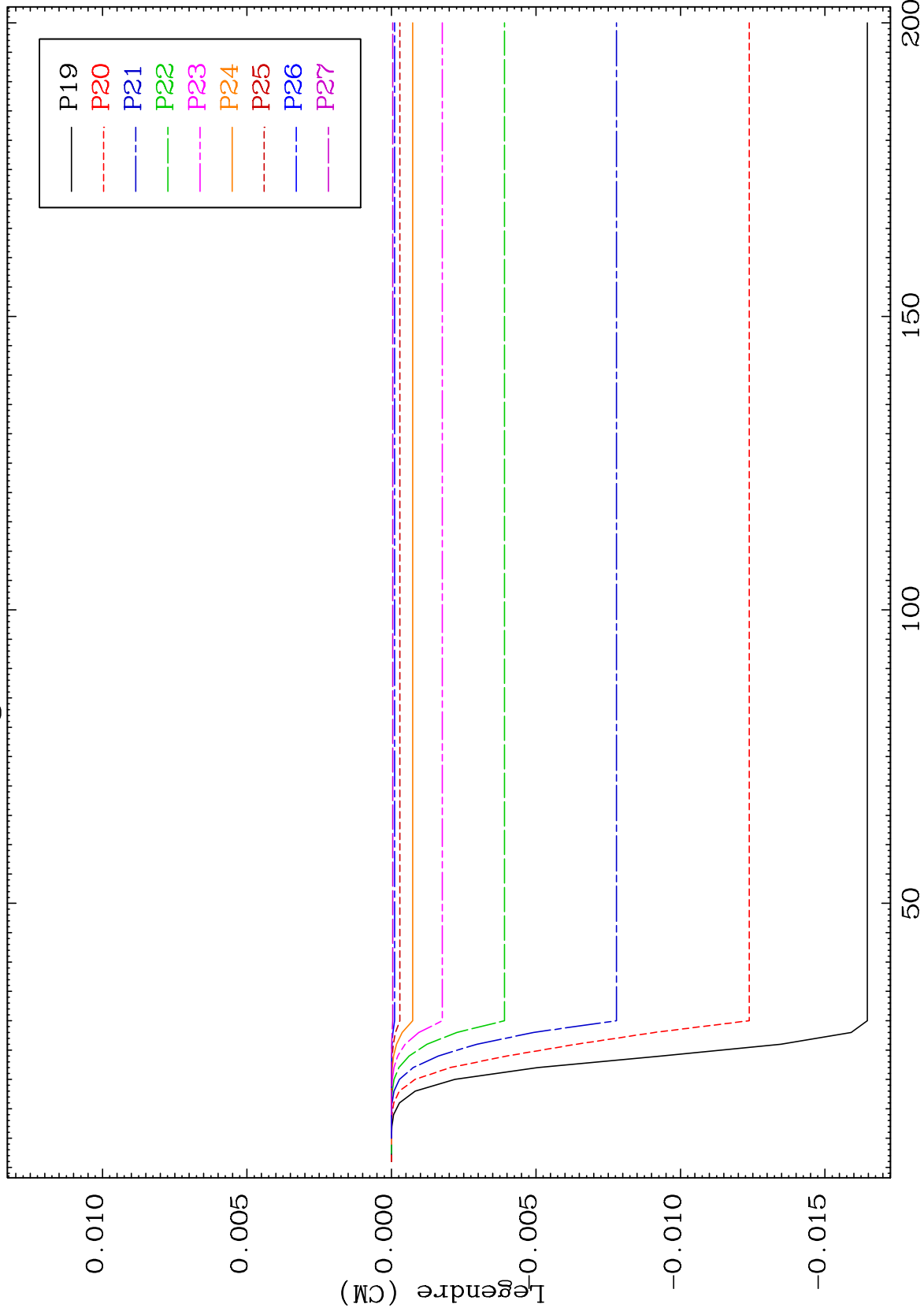
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

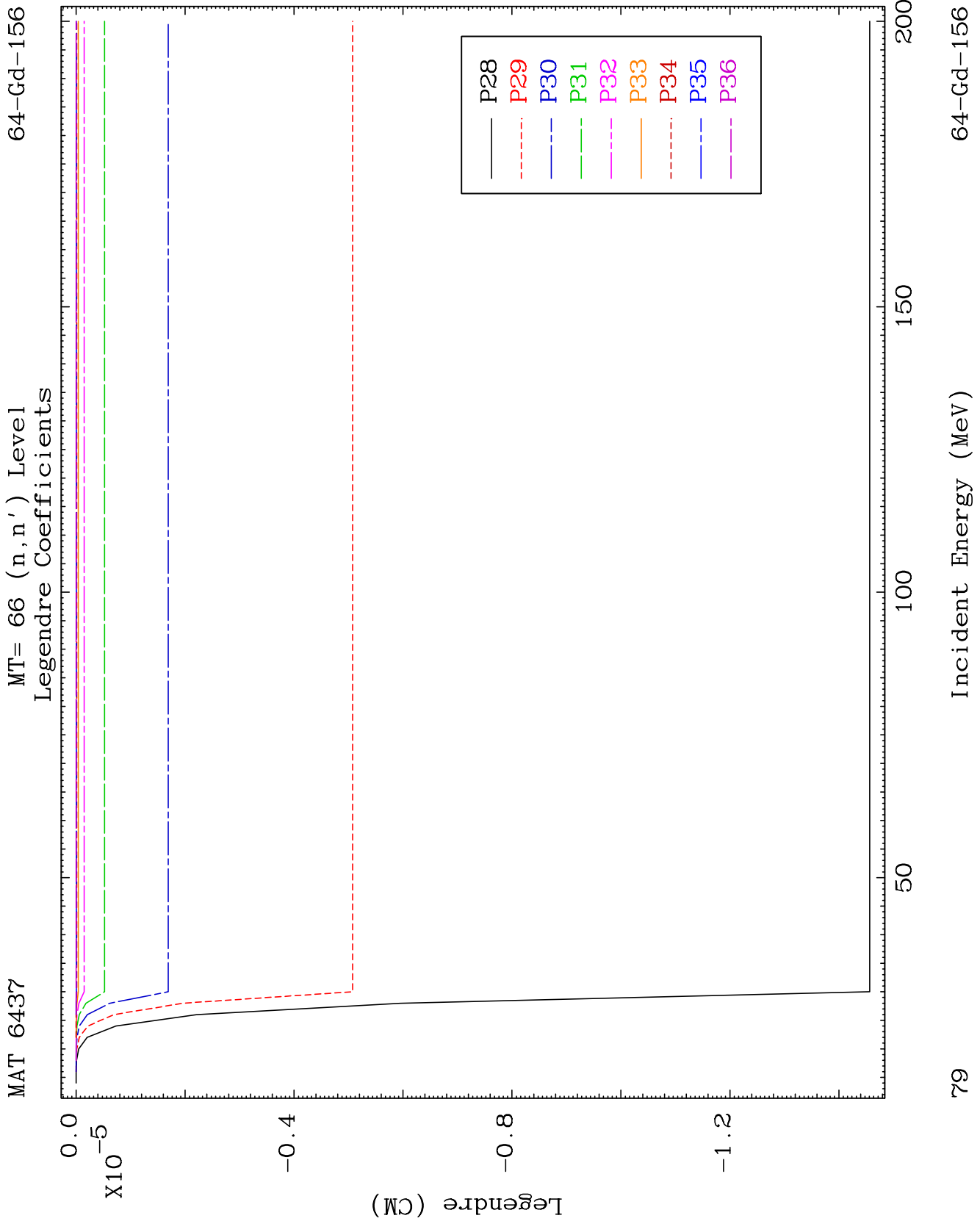
64-Gd-156



78

Incident Energy (MeV)

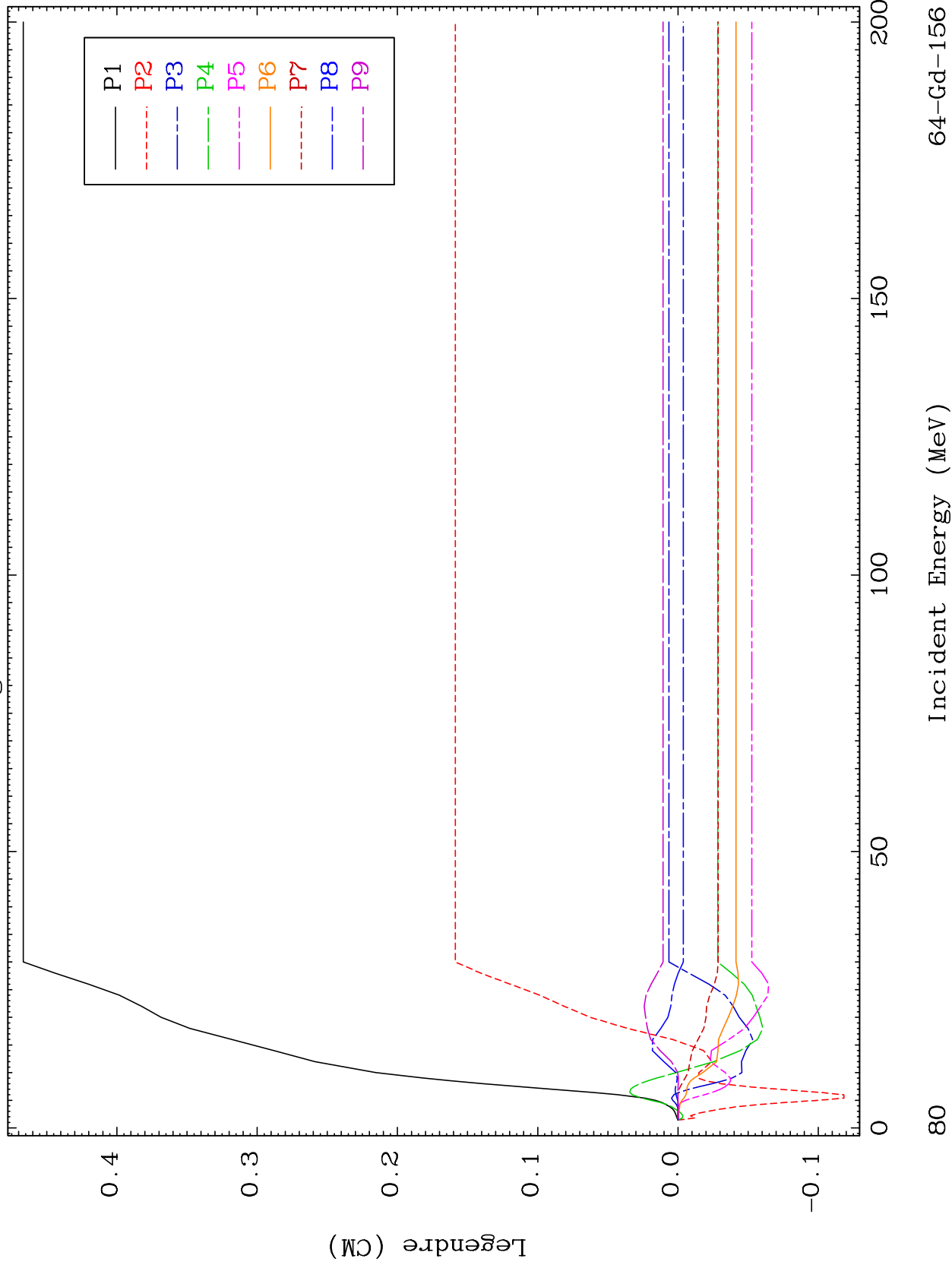
64-Gd-156



MAT 6437

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

64-Gd-156

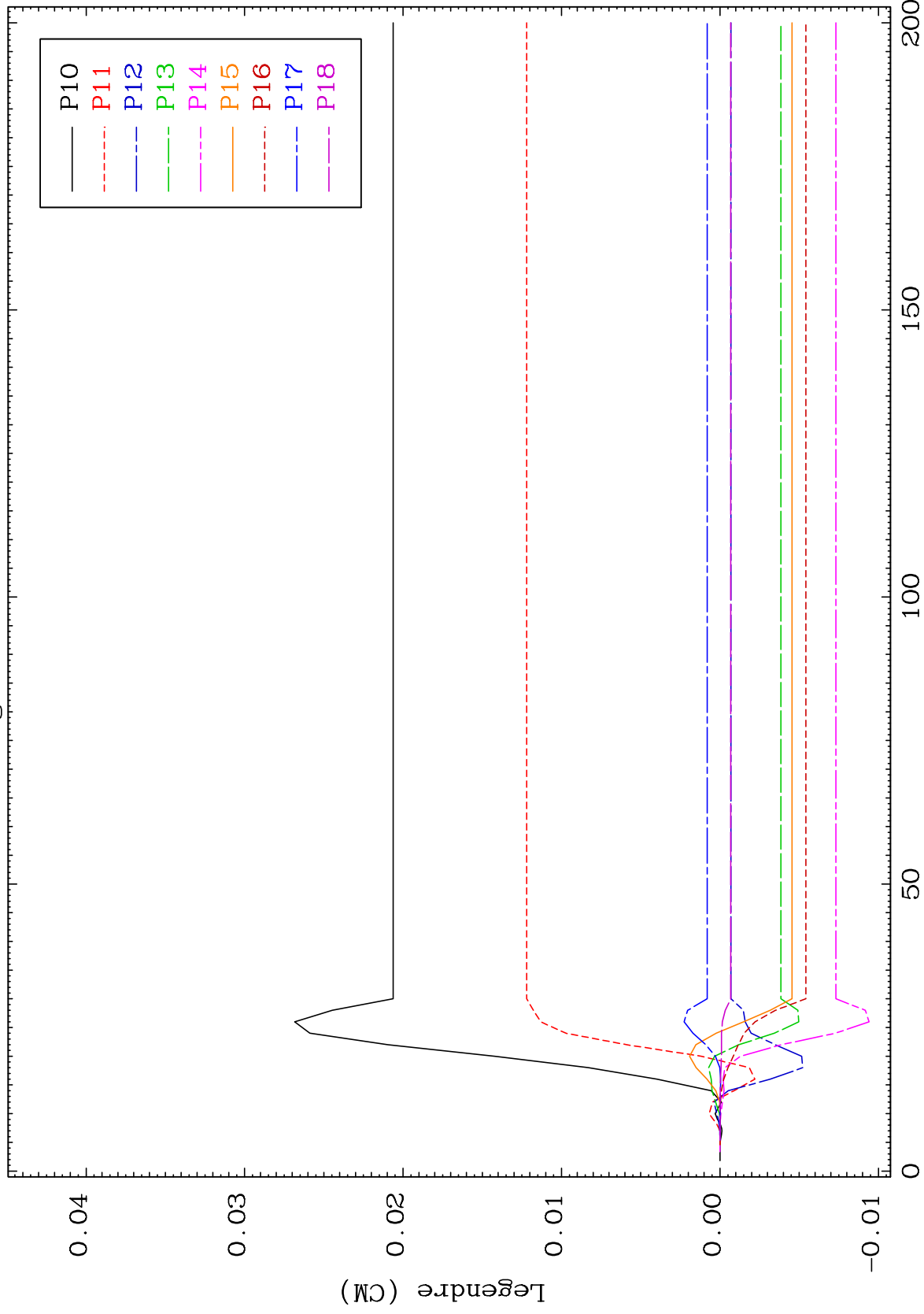


64-Gd-156

MAT 6437

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

64-Gd-156



81

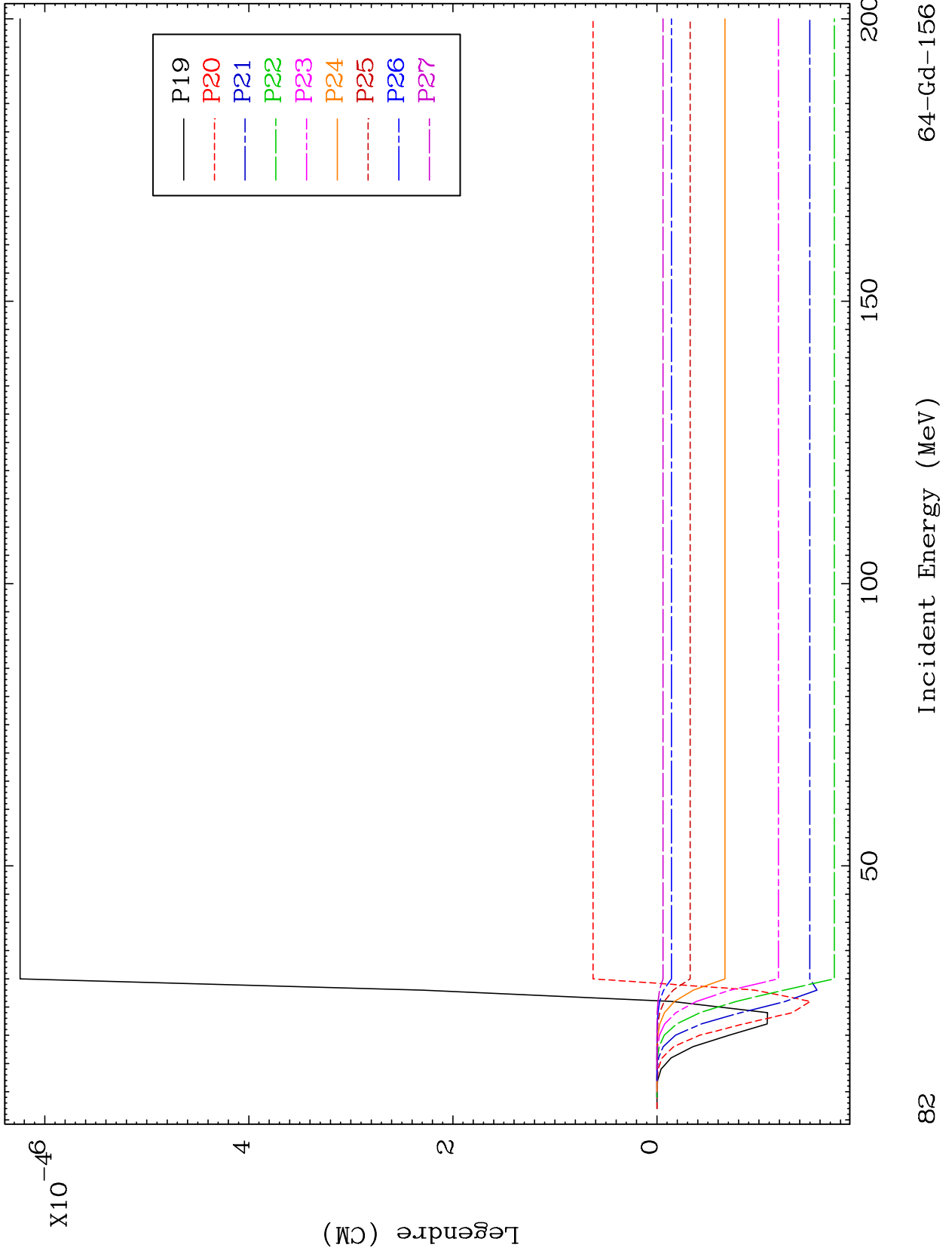
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

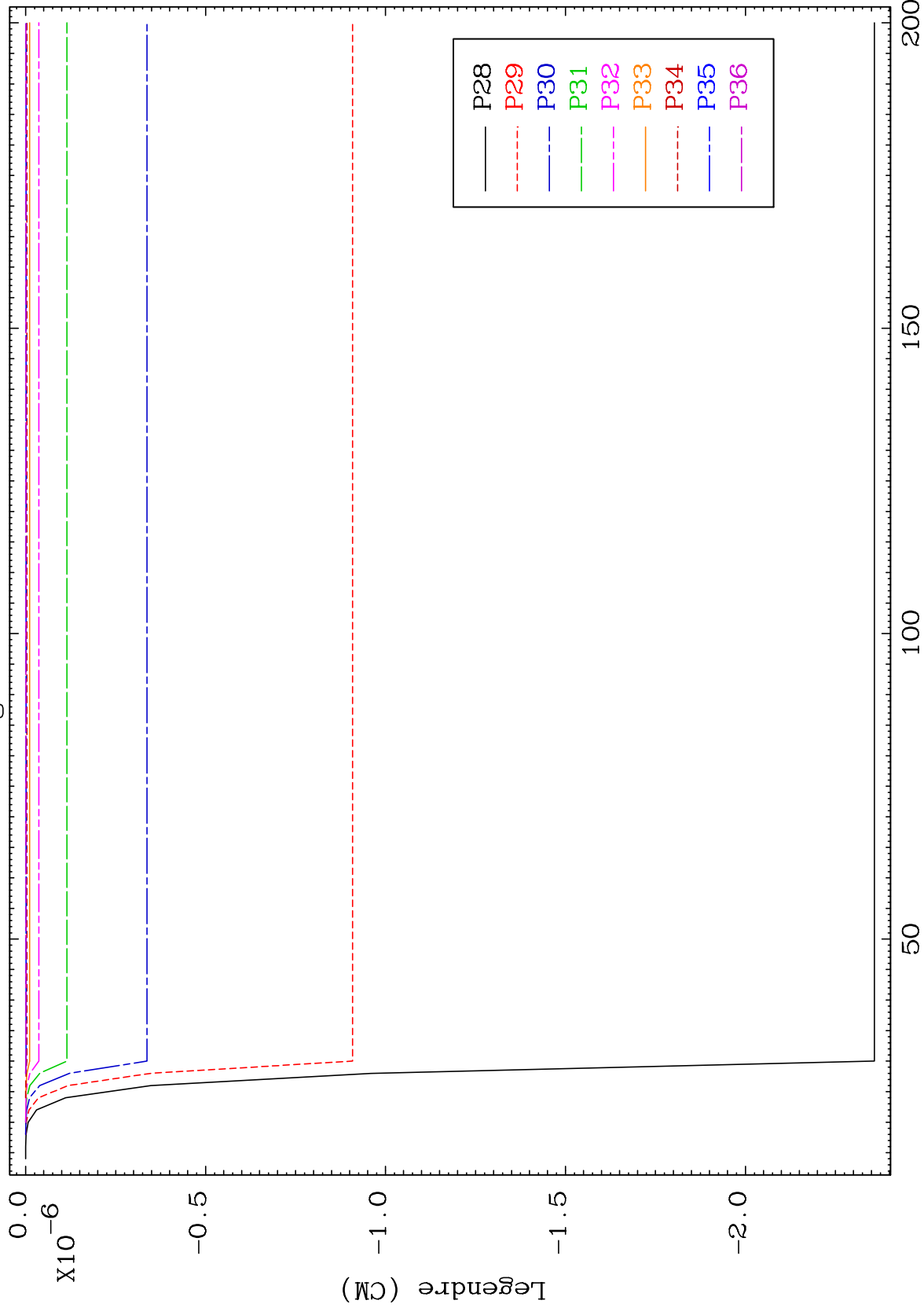
64-Gd-156



MAT 6437

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

64-Gd-156



83

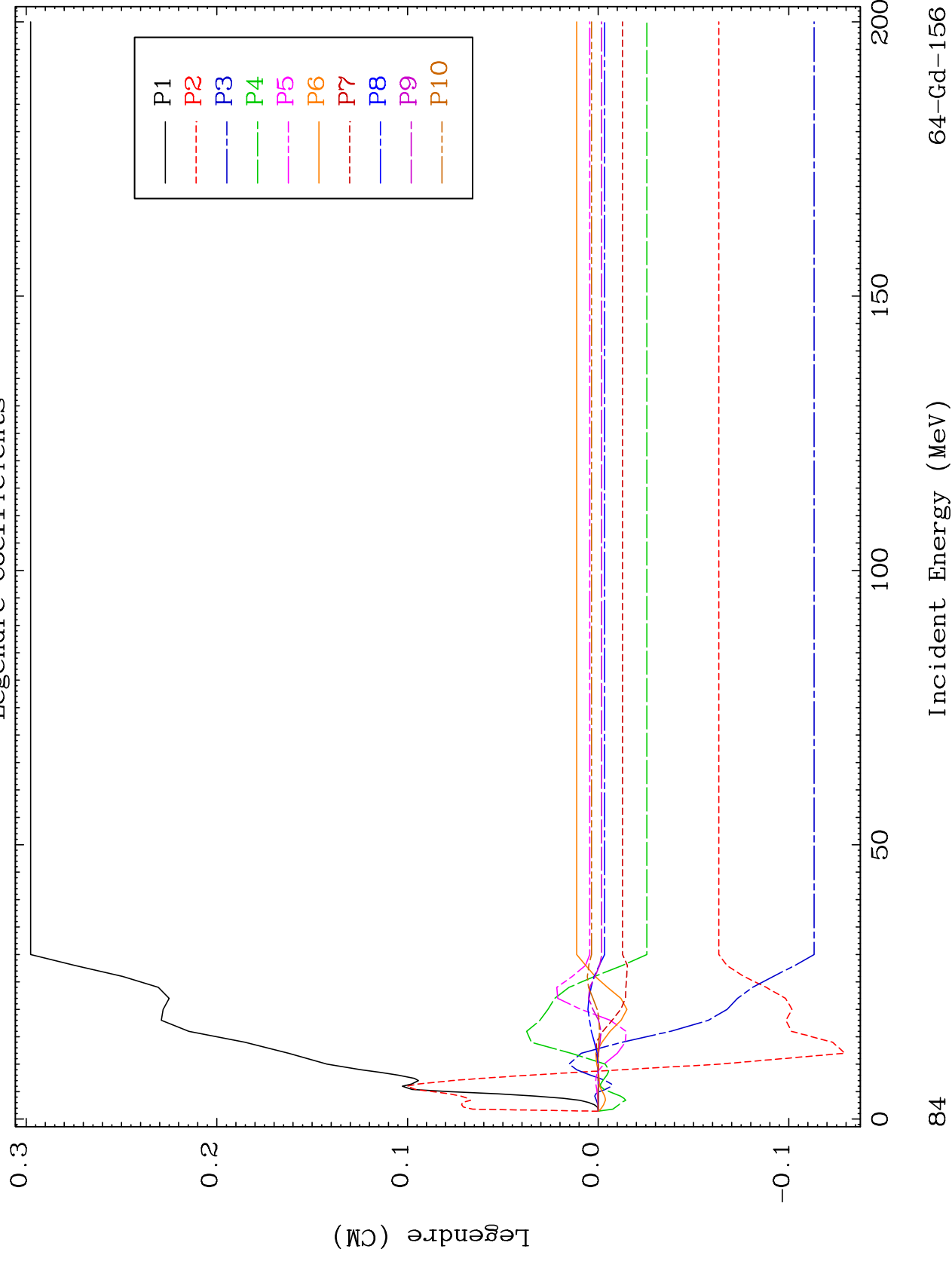
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



84

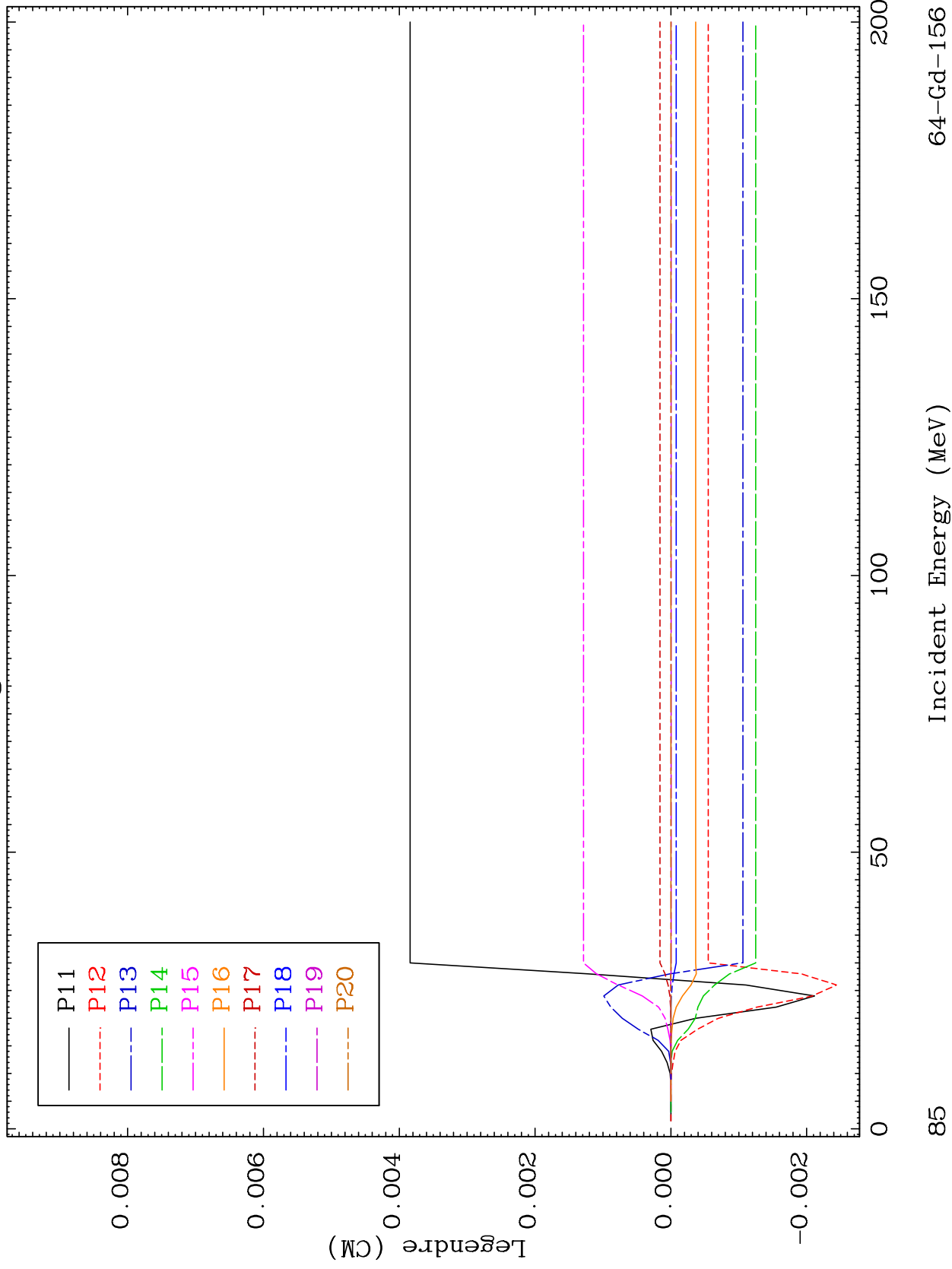
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



85

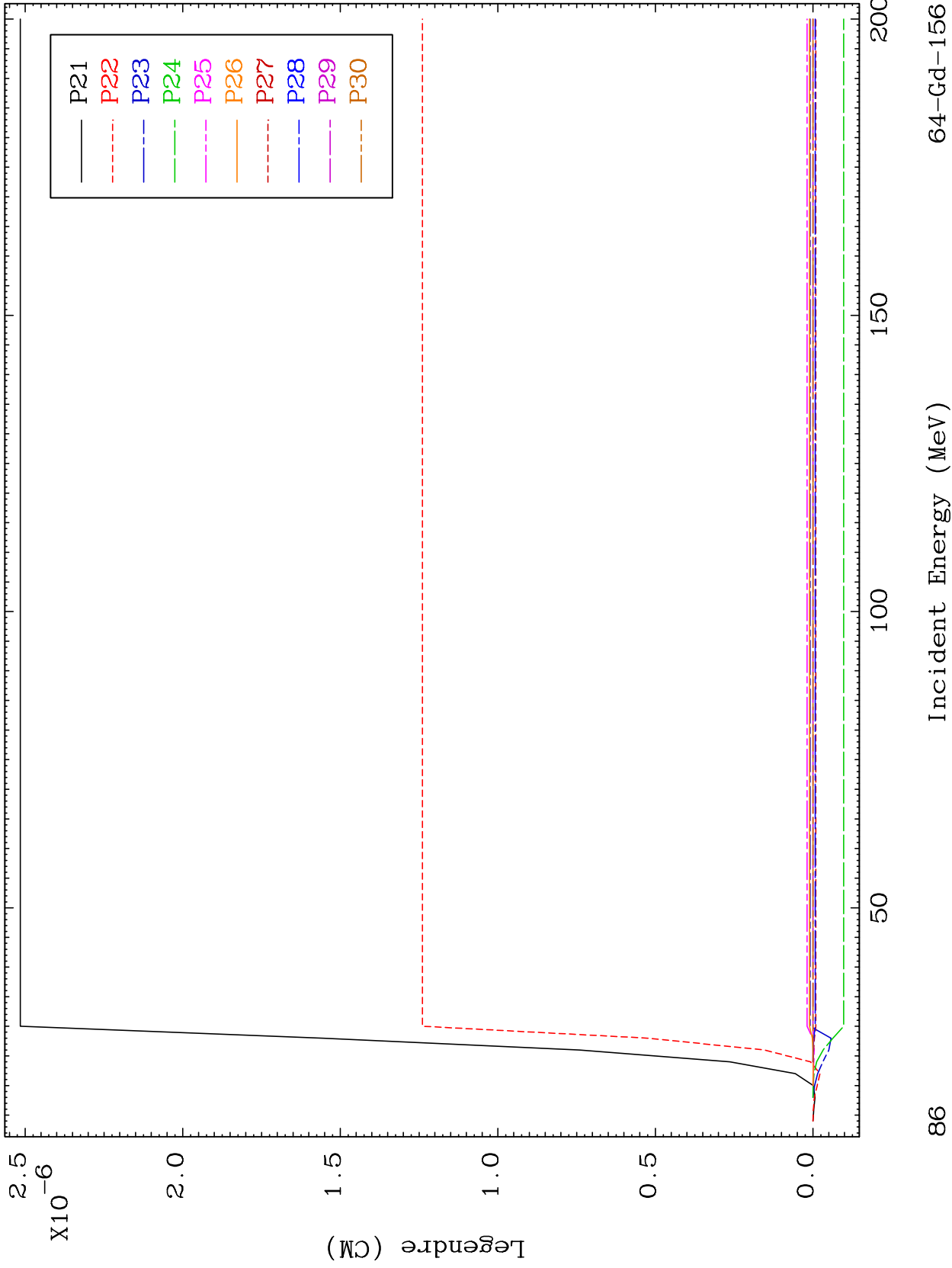
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



86

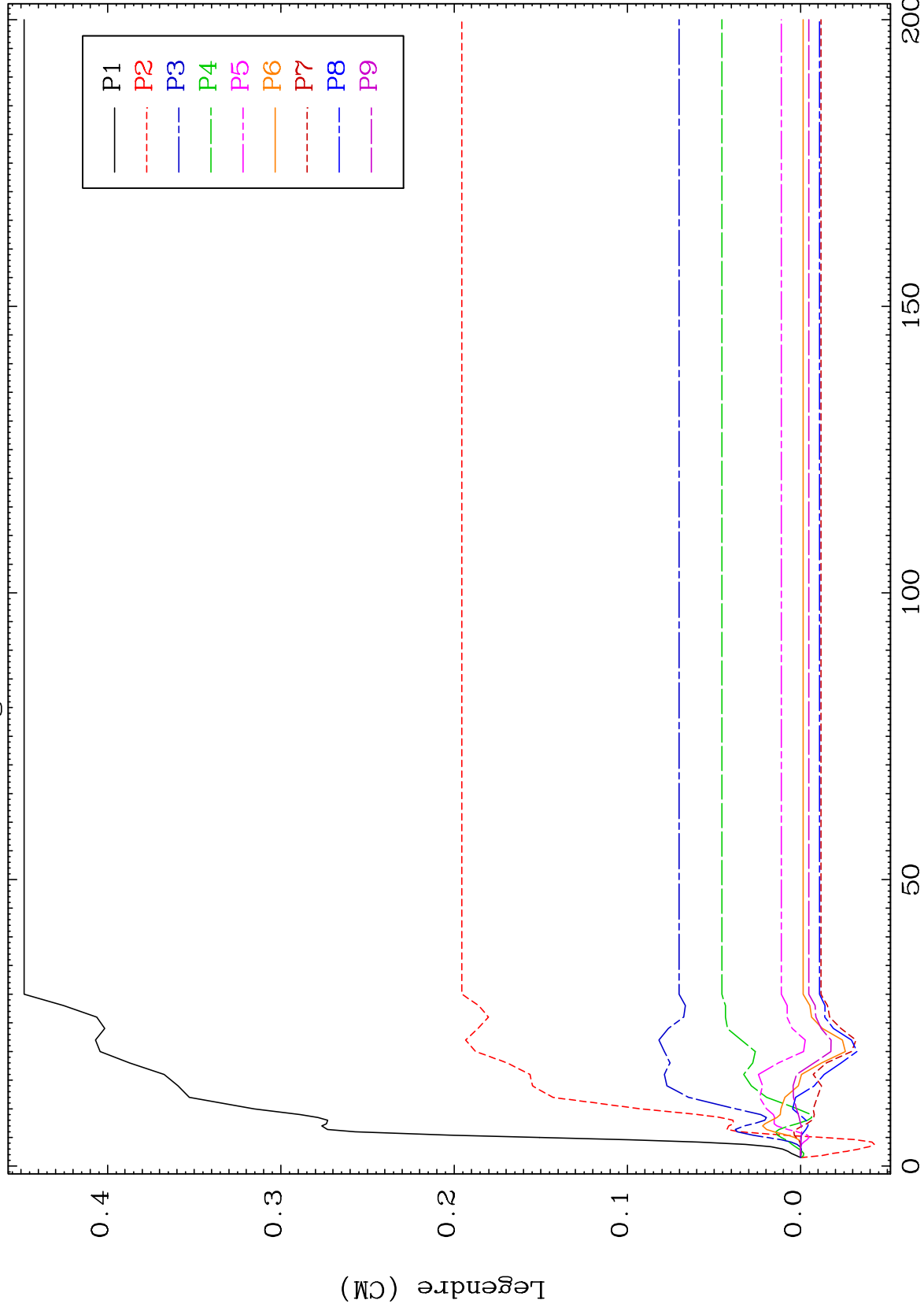
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



87

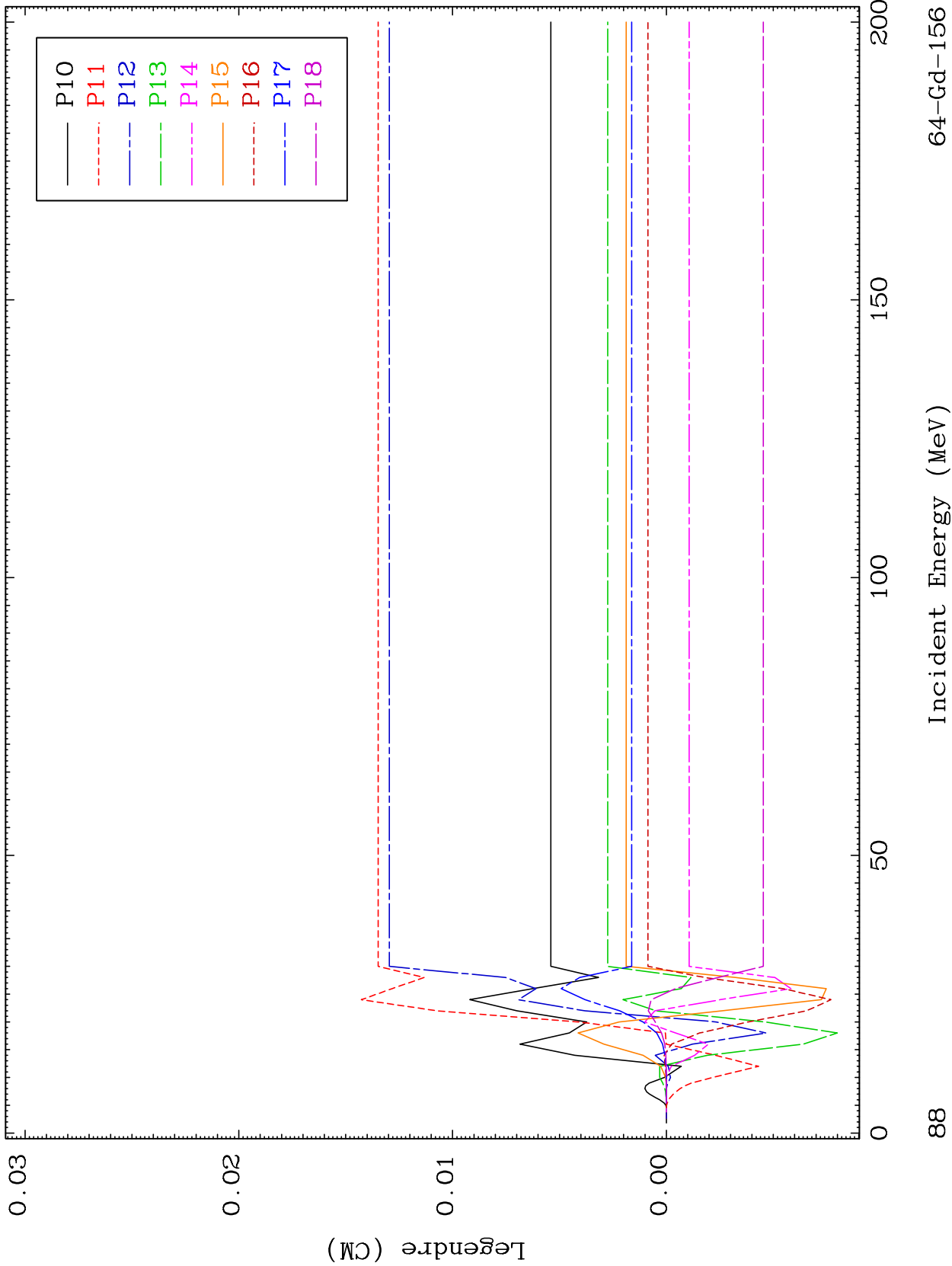
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

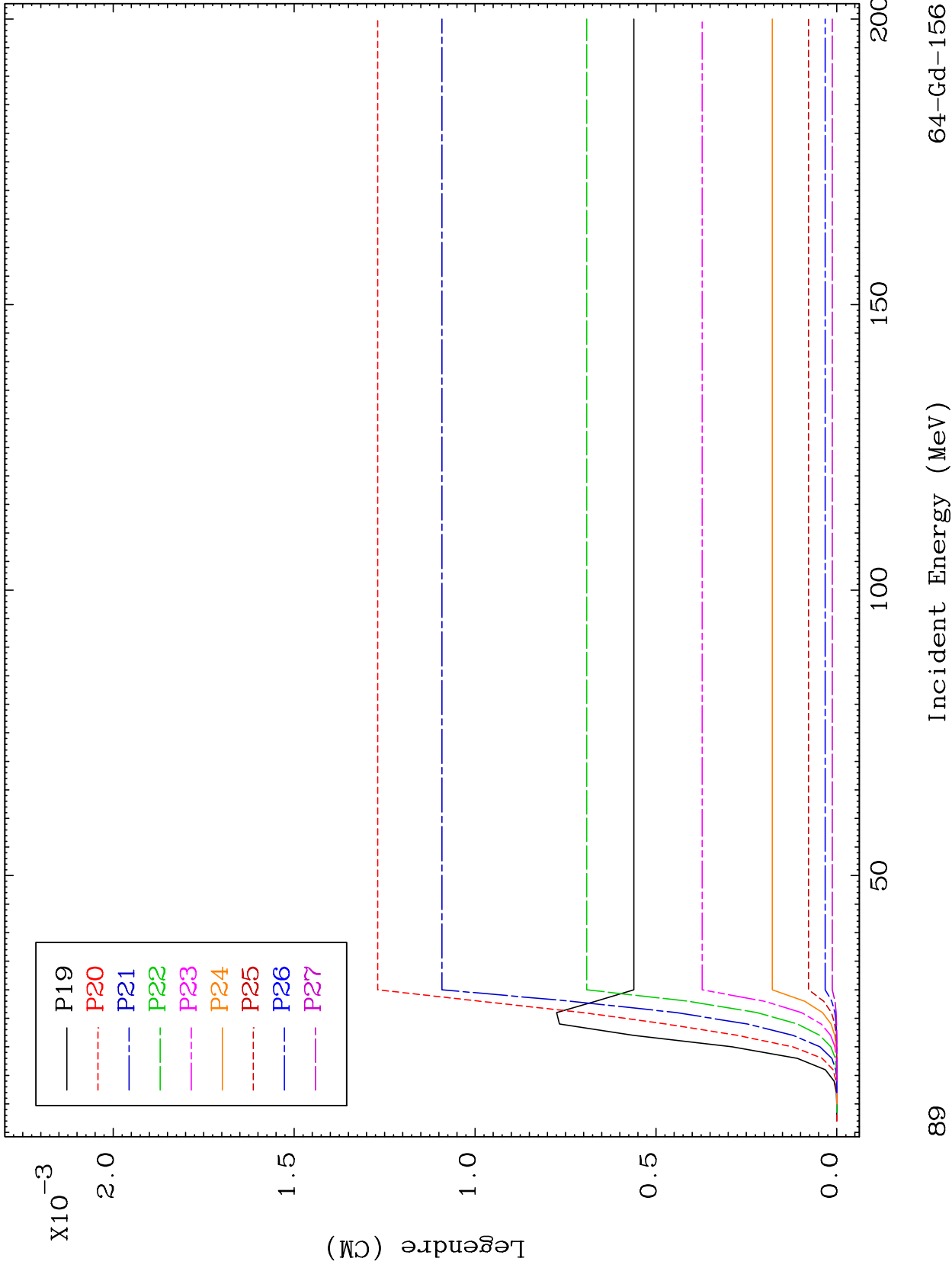
Incident Energy (MeV)

88

MAT 6437

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

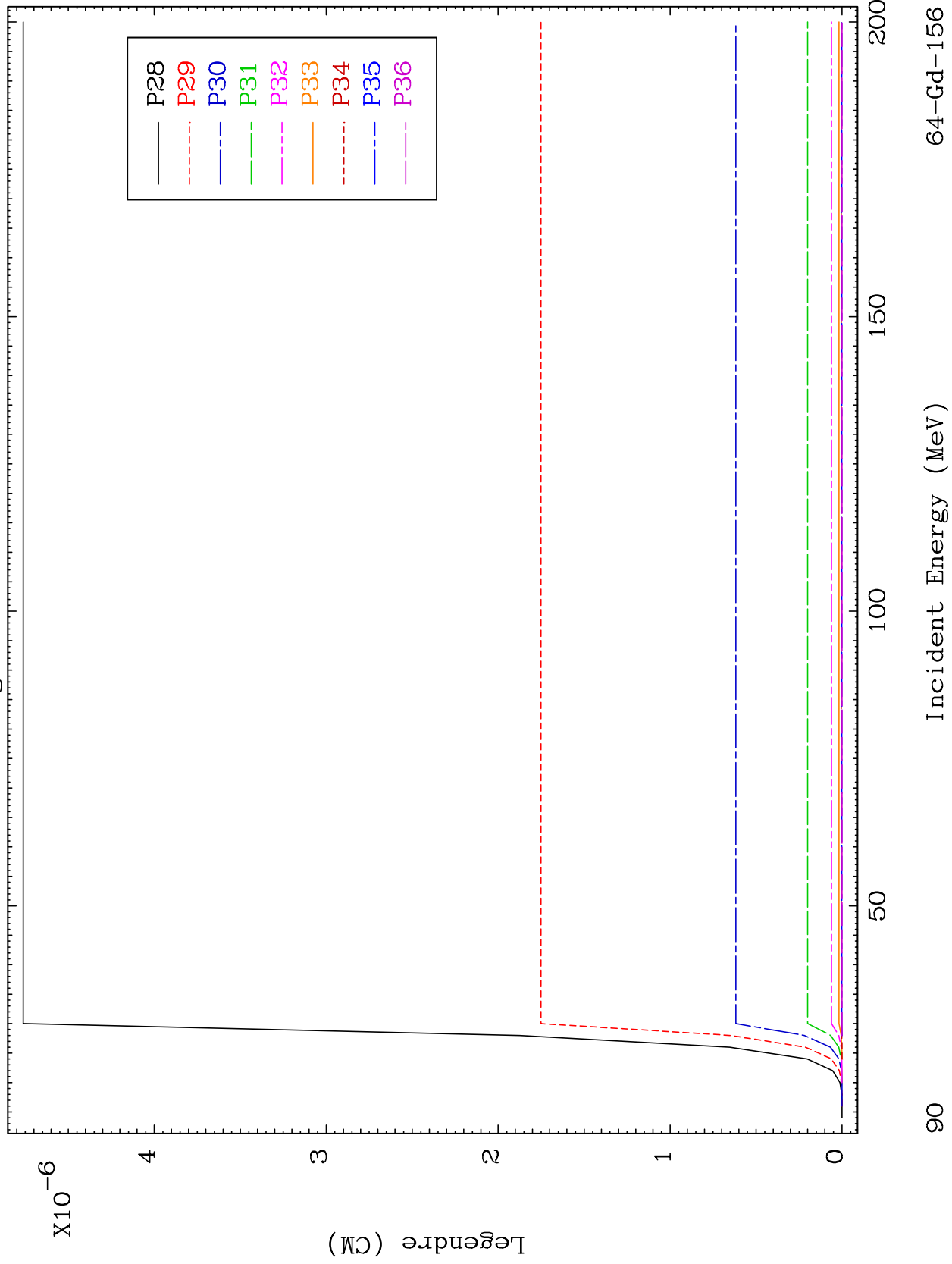
64-Gd-156

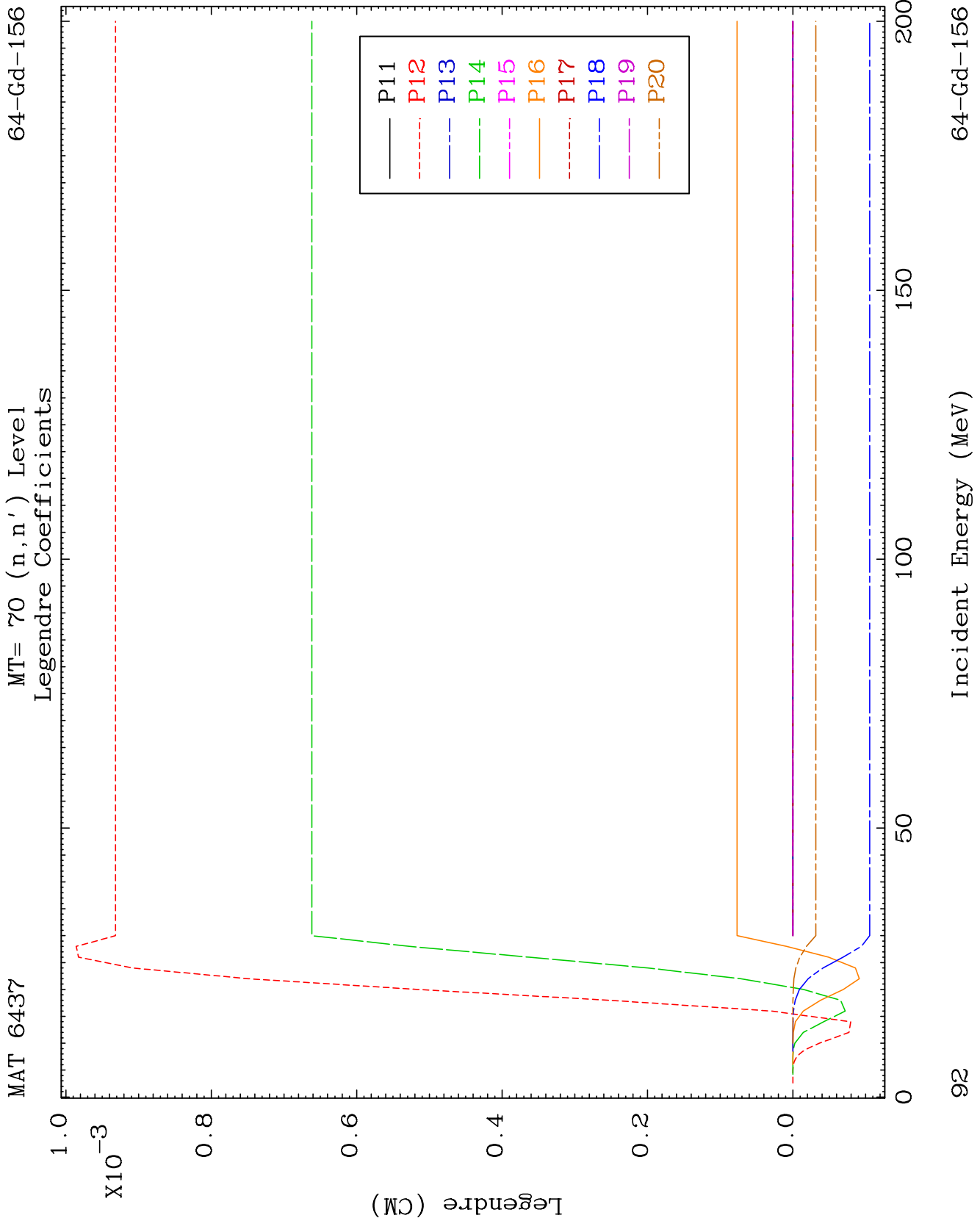


MAT 6437

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

64-Gd-156

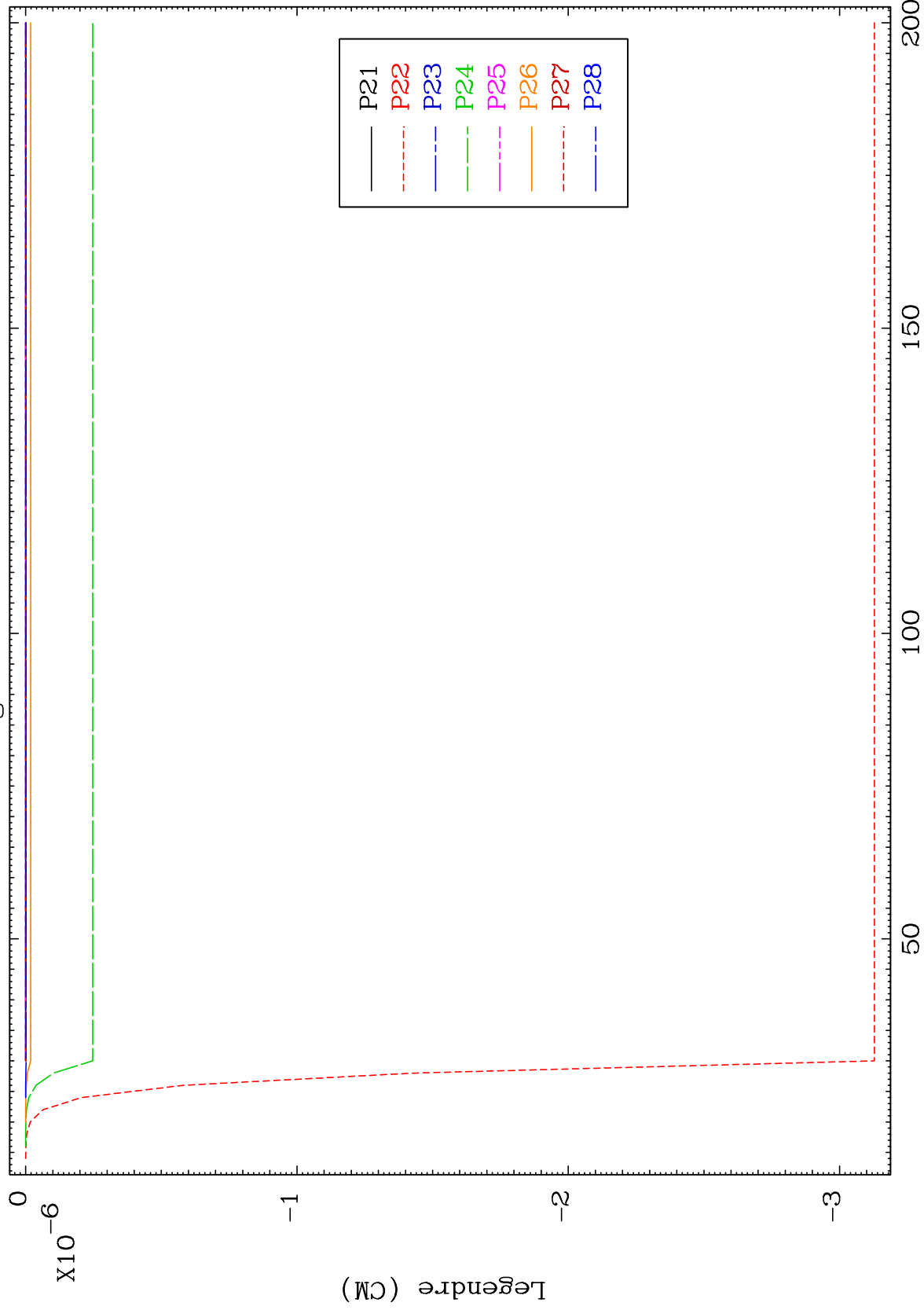




MAT 6437

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

64-Gd-156



93

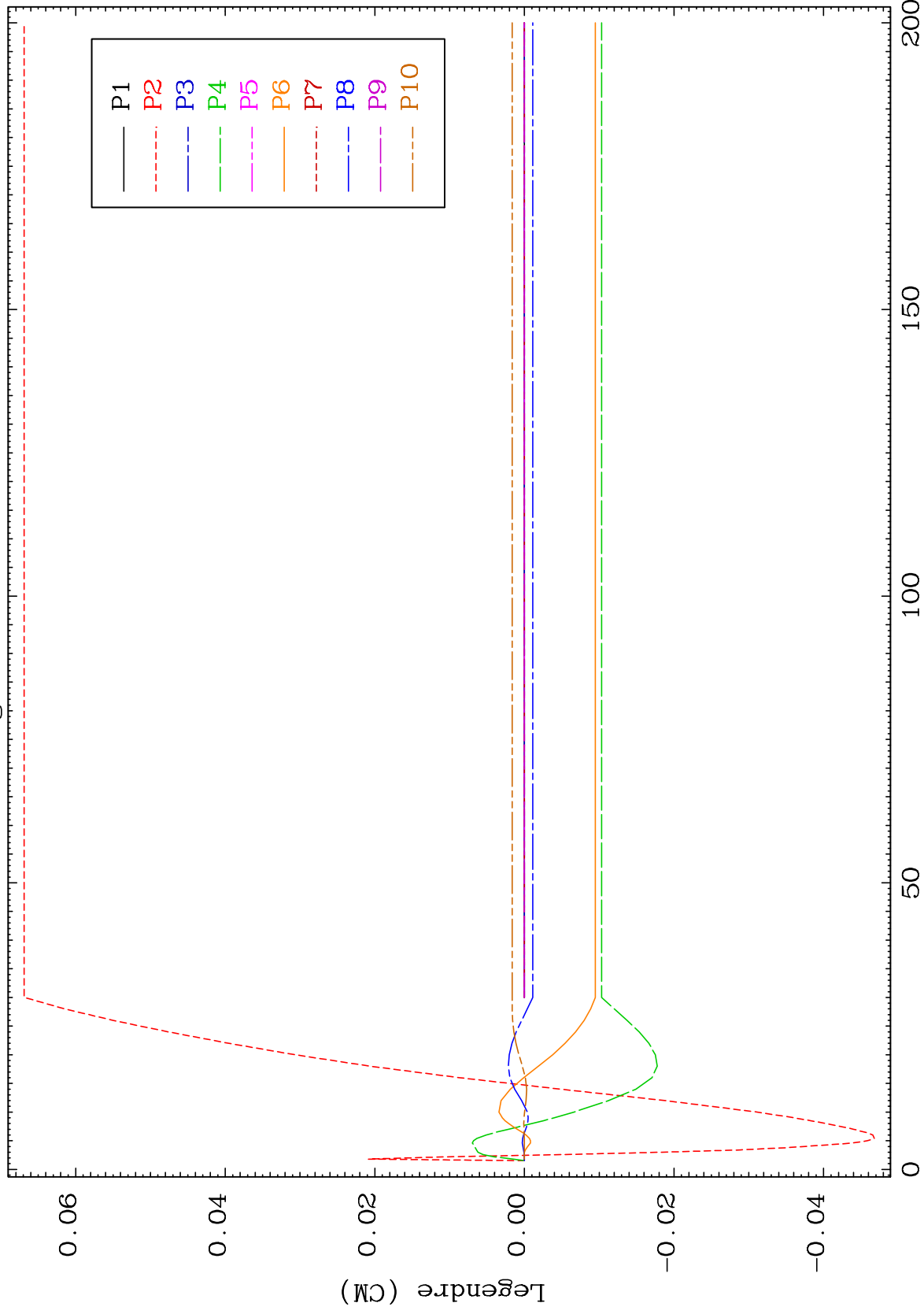
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



94

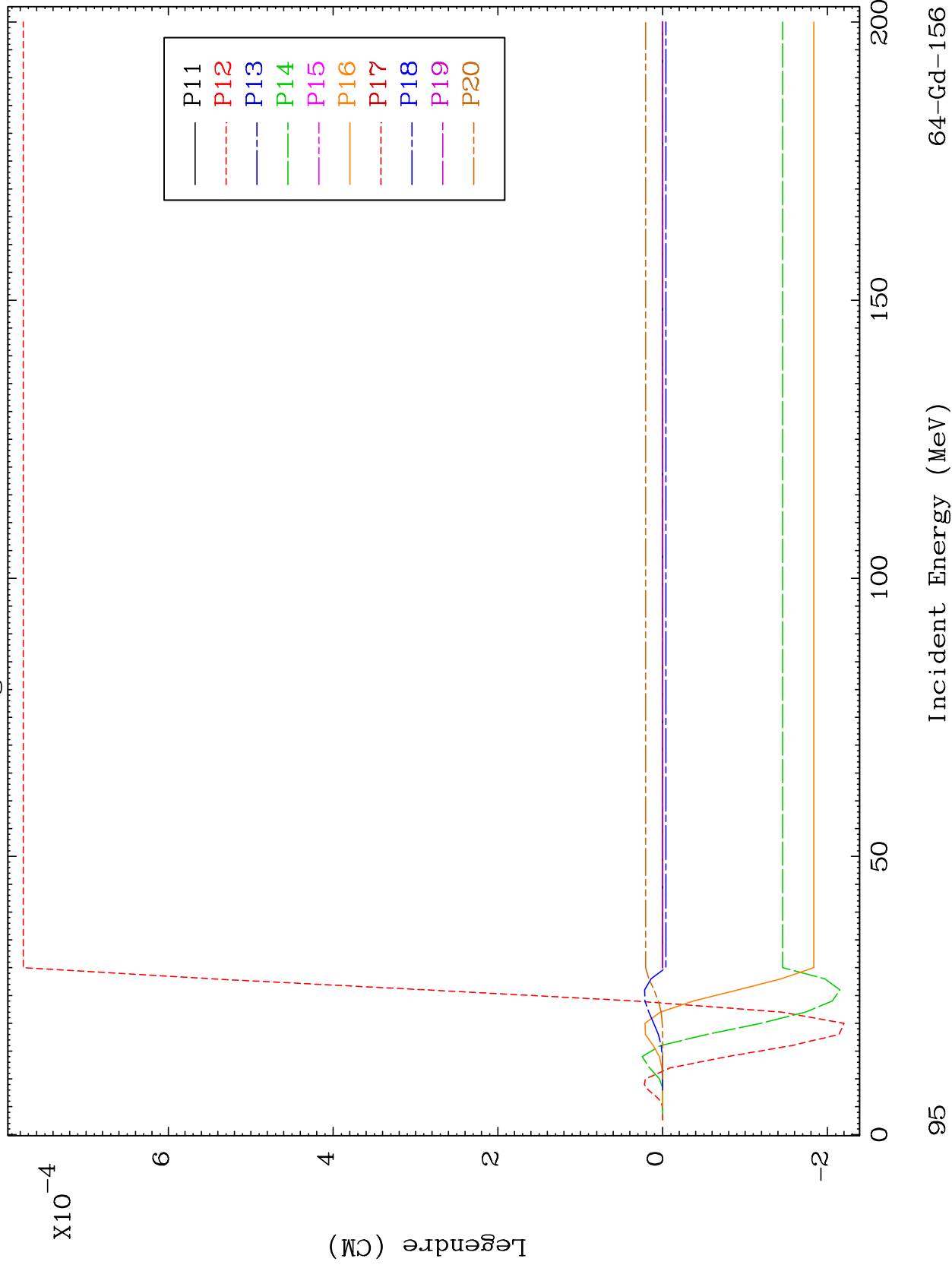
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

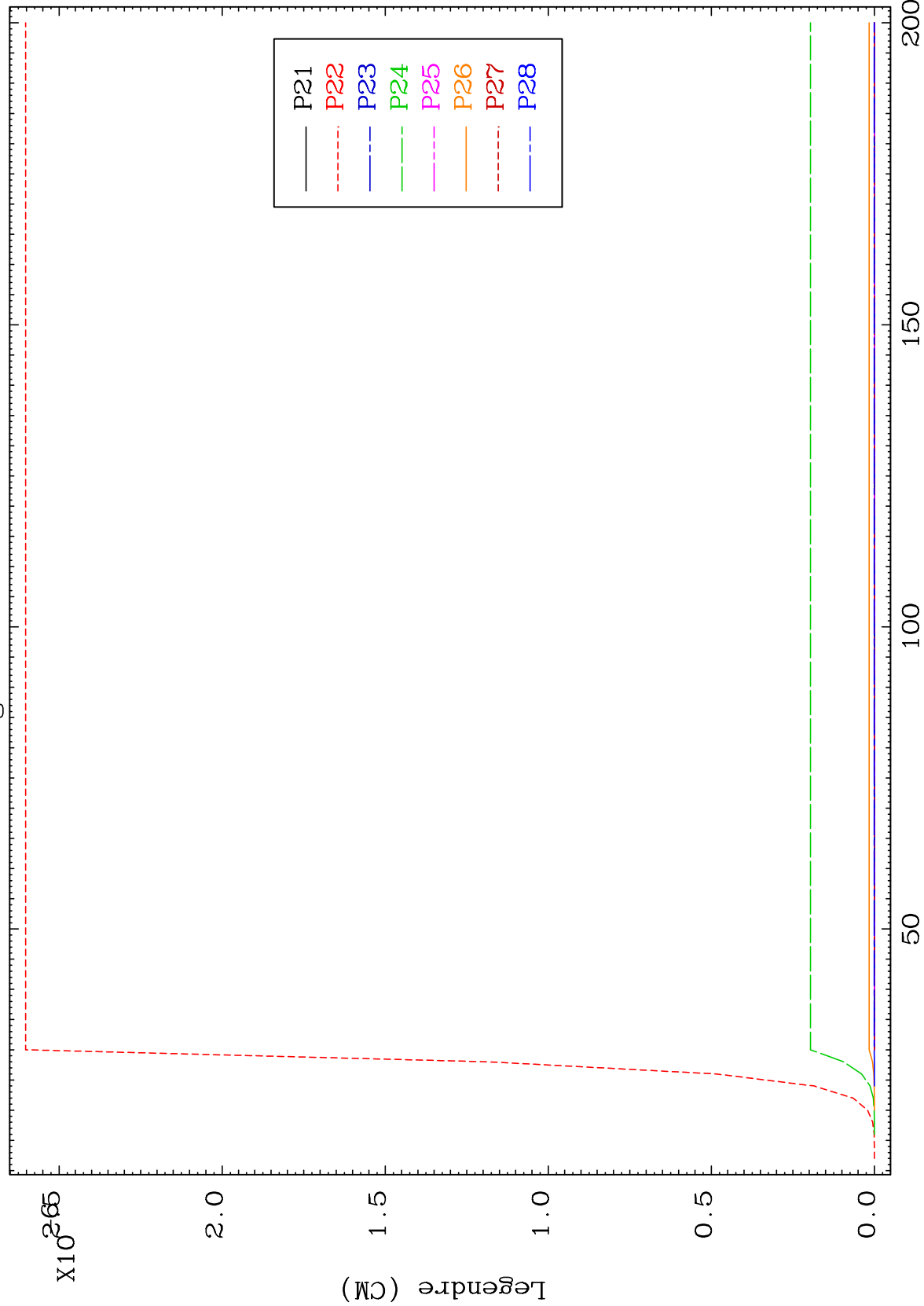
Incident Energy (MeV)

95

MAT 6437

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

64-Gd-156



64-Gd-156

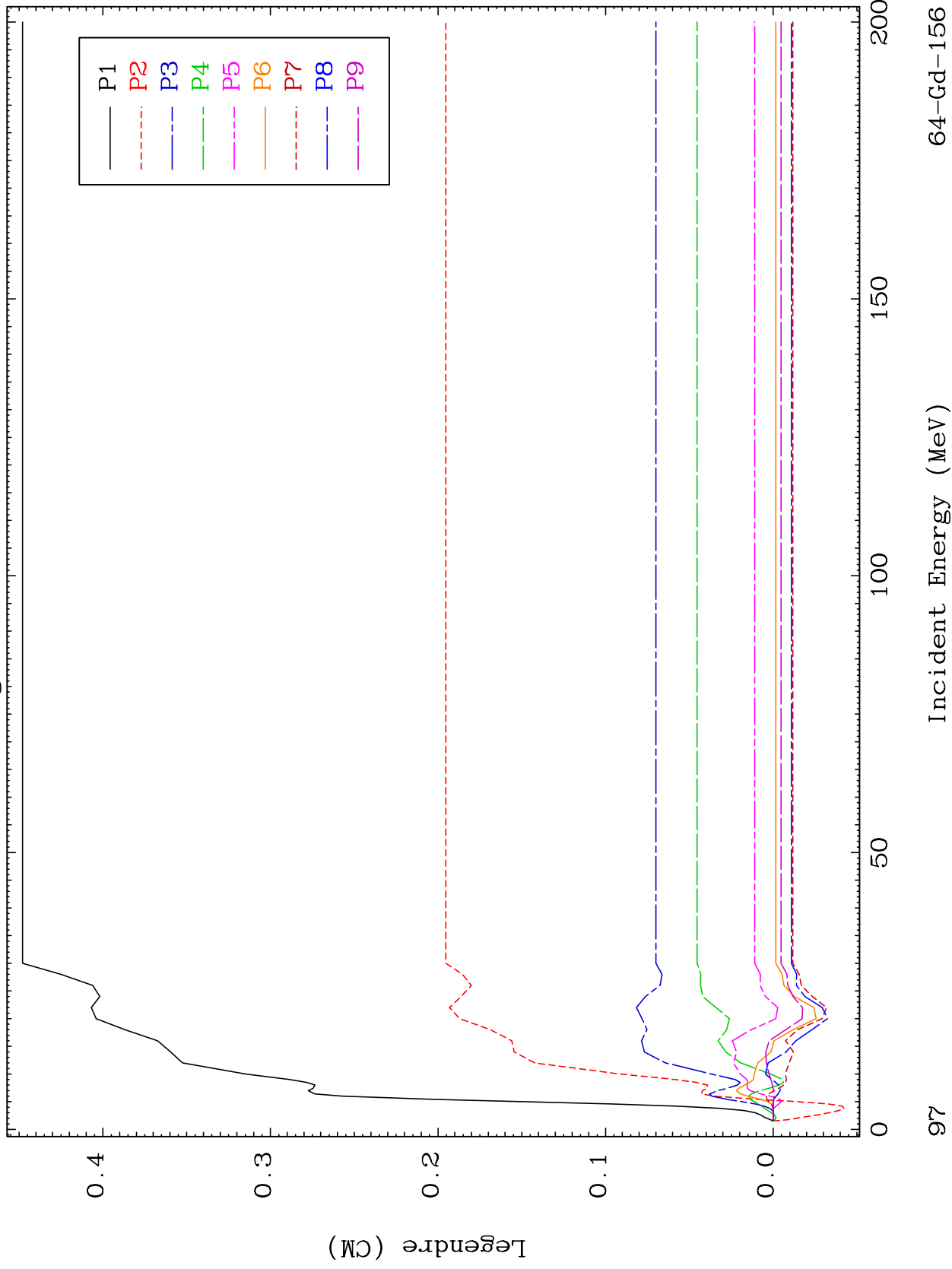
Incident Energy (MeV)

96

MAT 6437

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

64-Gd-156



64-Gd-156

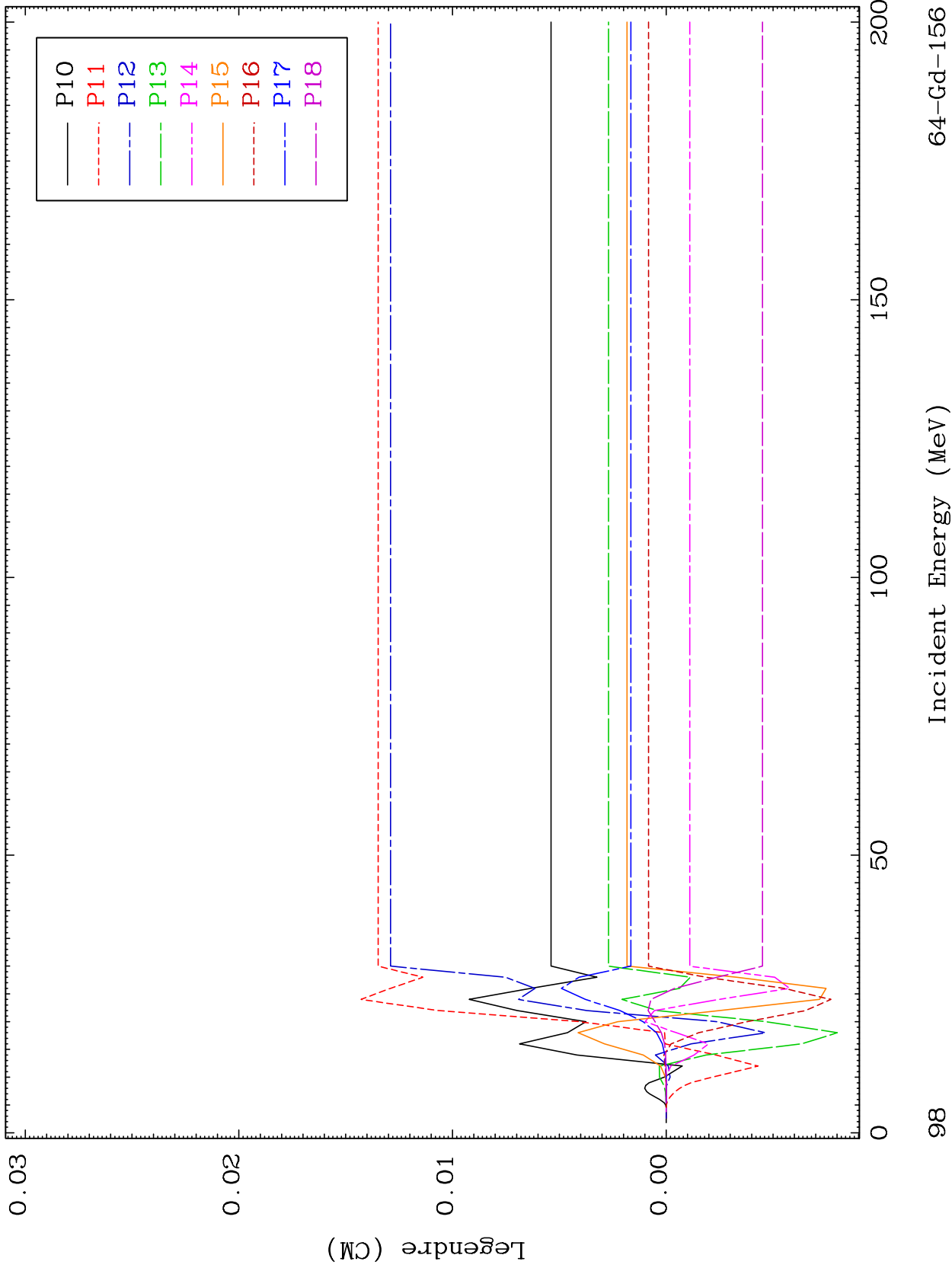
Incident Energy (MeV)

97

MAT 6437

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

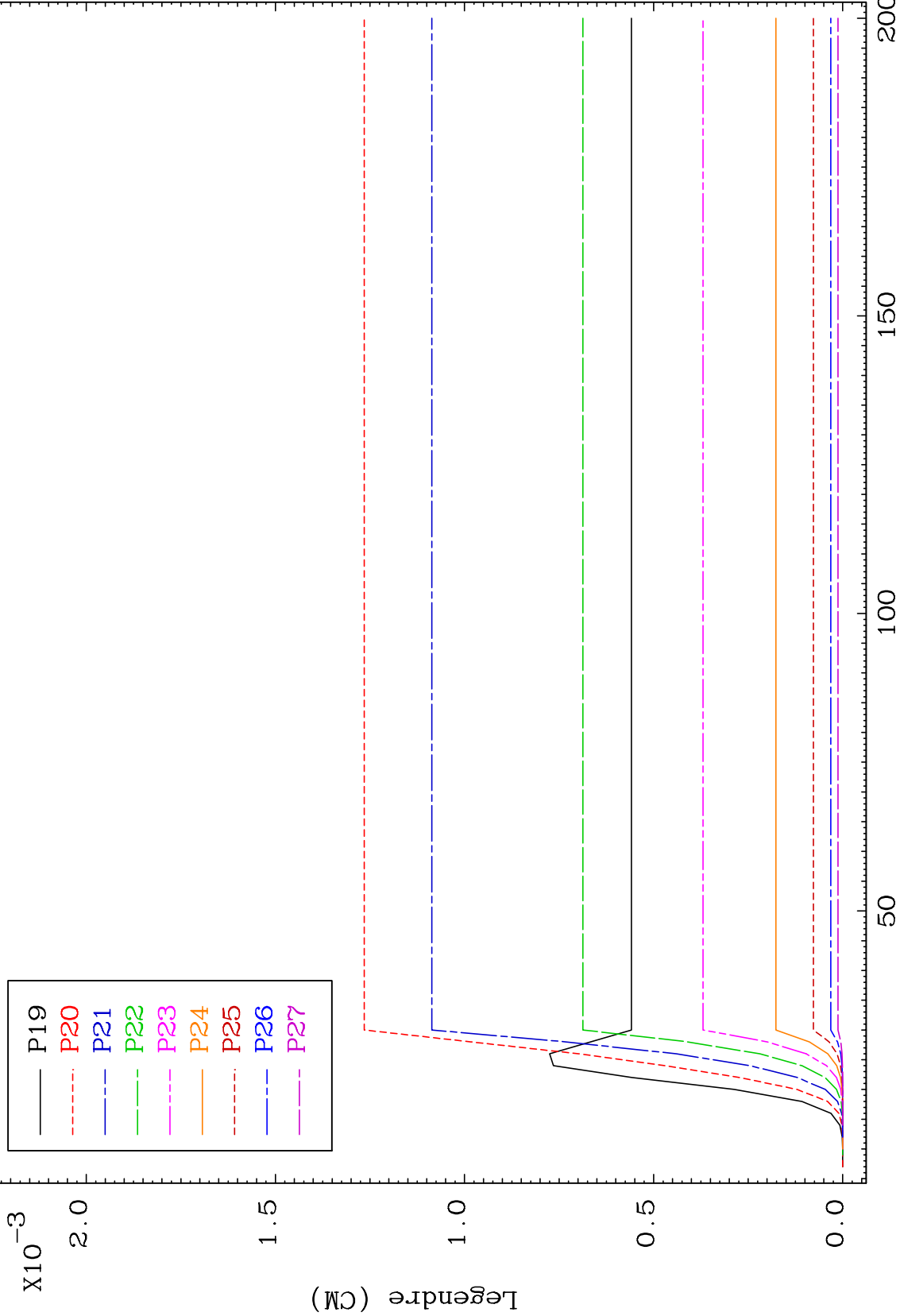
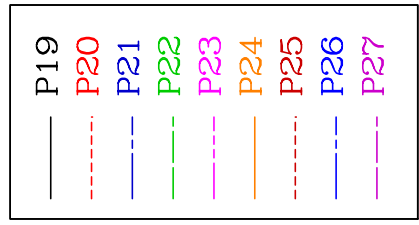
64-Gd-156



64-Gd-156

Incident Energy (MeV)

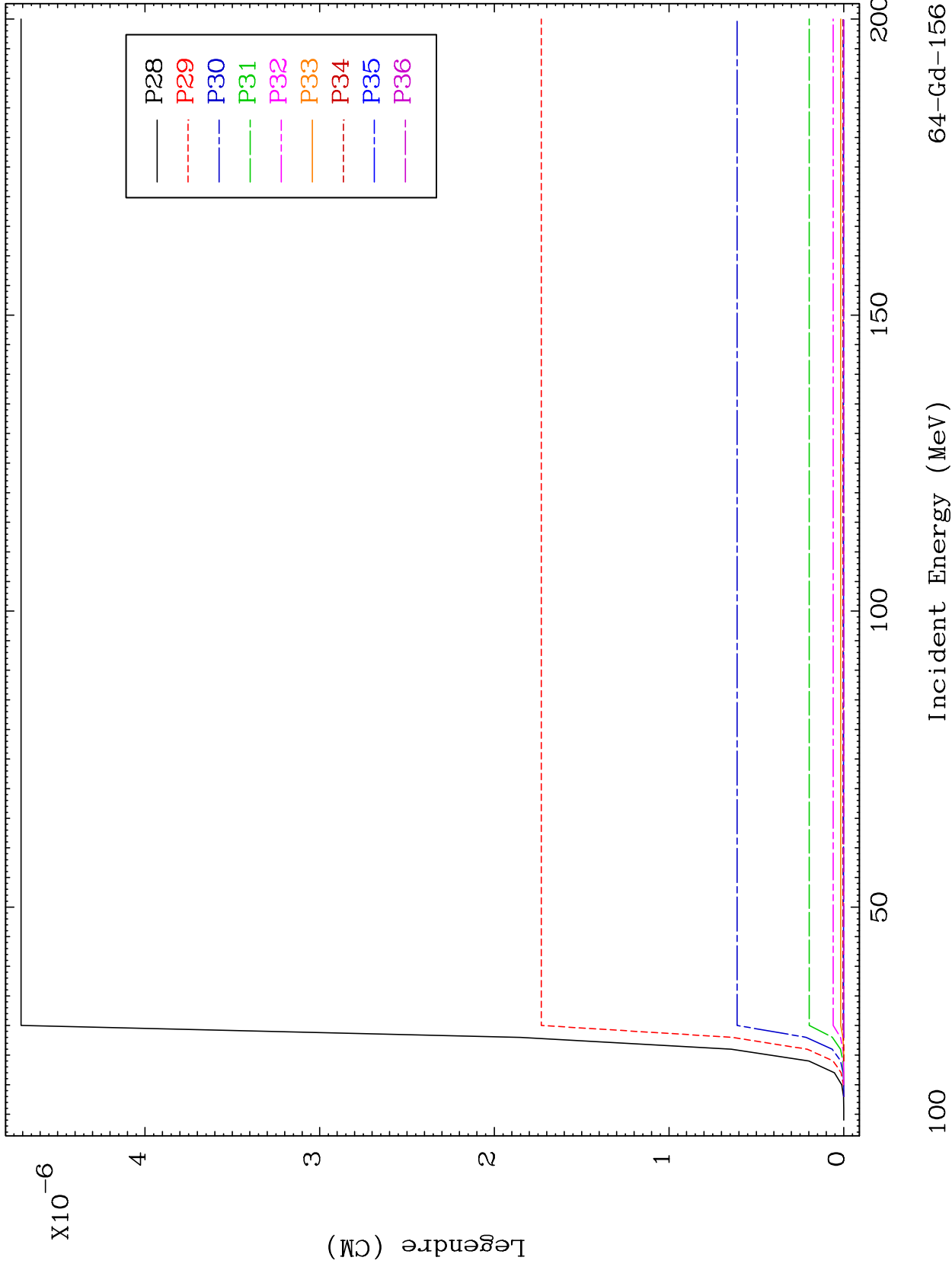
98



MAT 6437

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

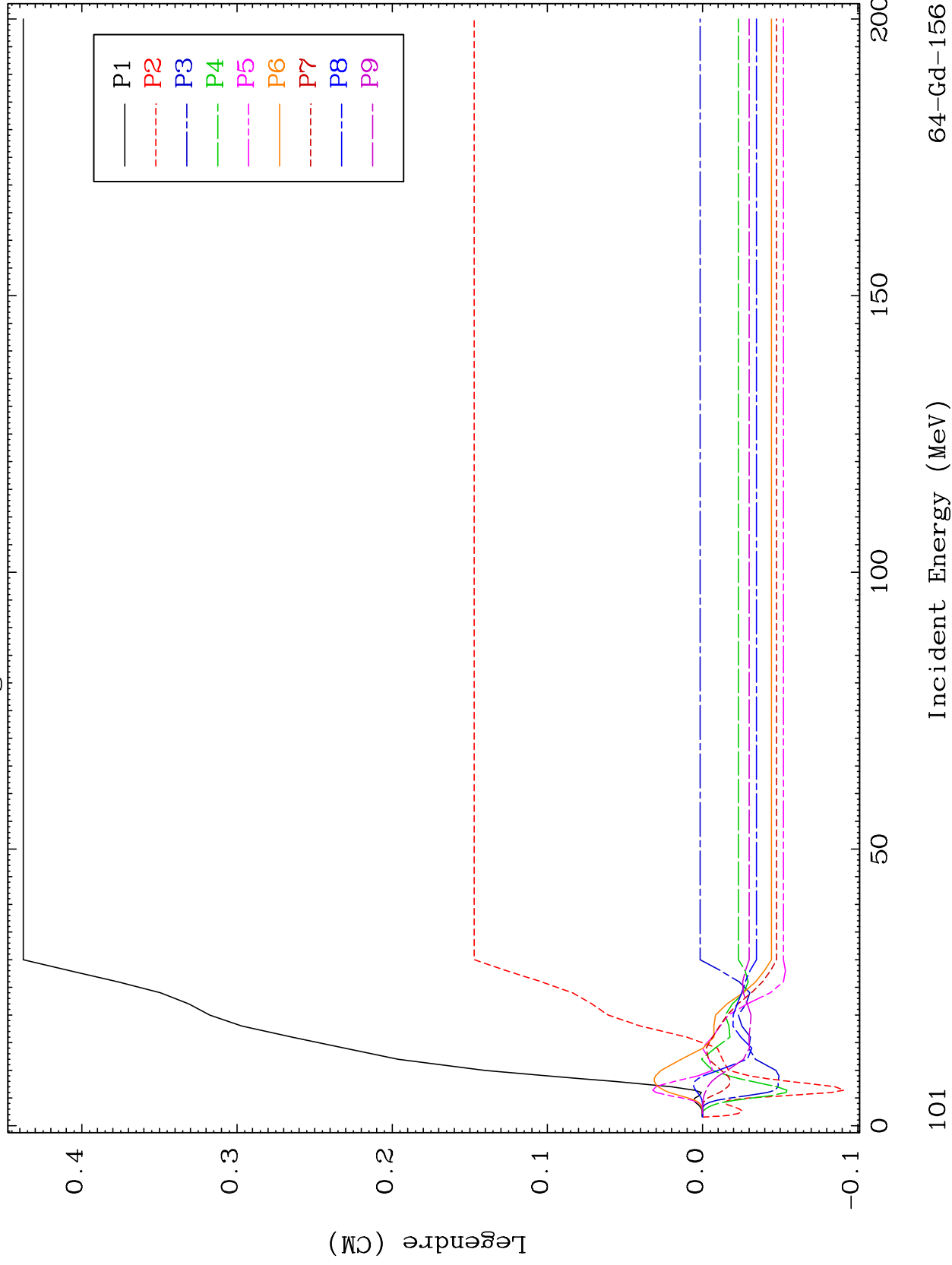
64-Gd-156



MAT 6437

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

64-Gd-156



64-Gd-156

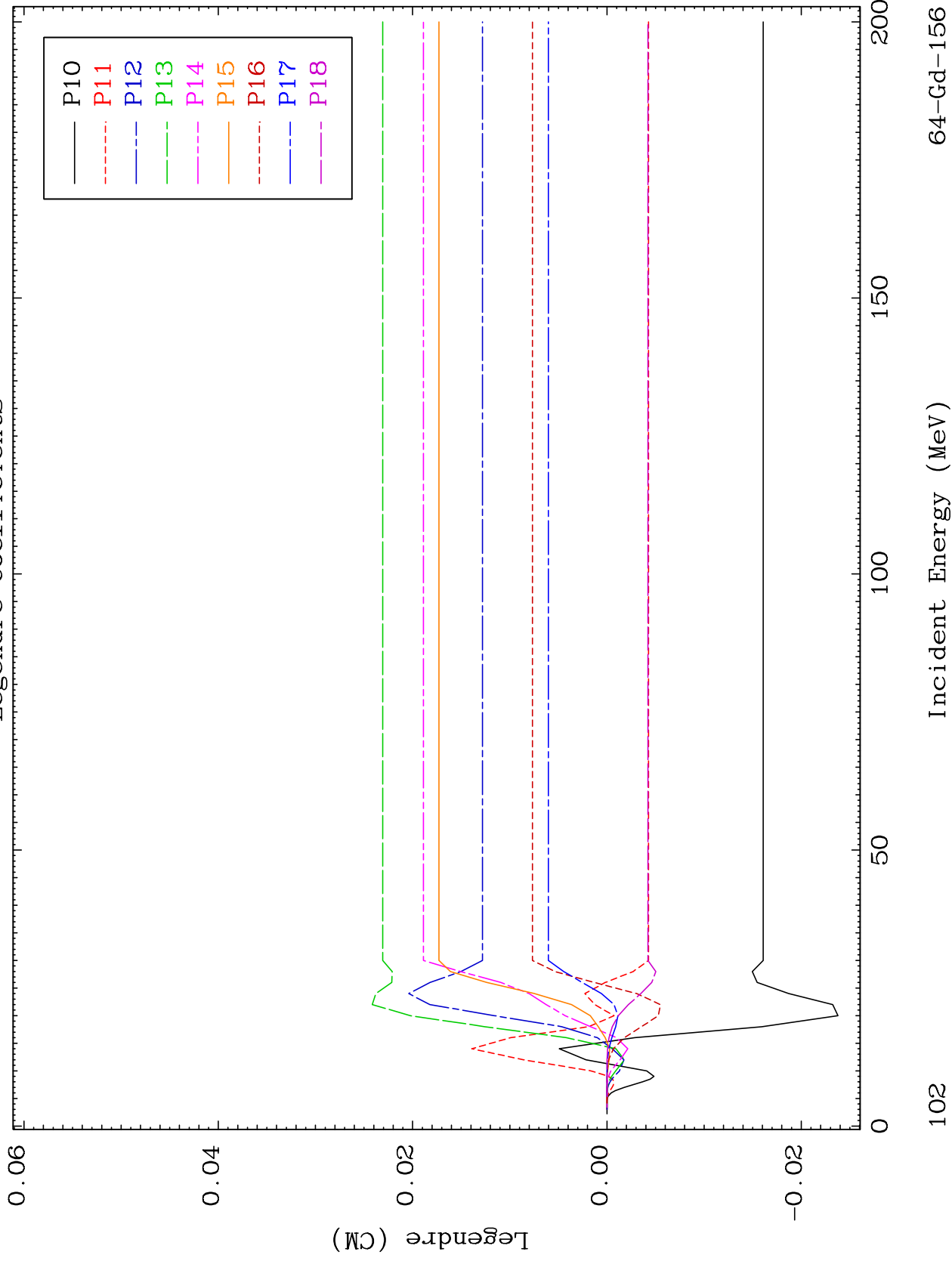
Incident Energy (MeV)

101

MAT 6437

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

64-Gd-156



64-Gd-156

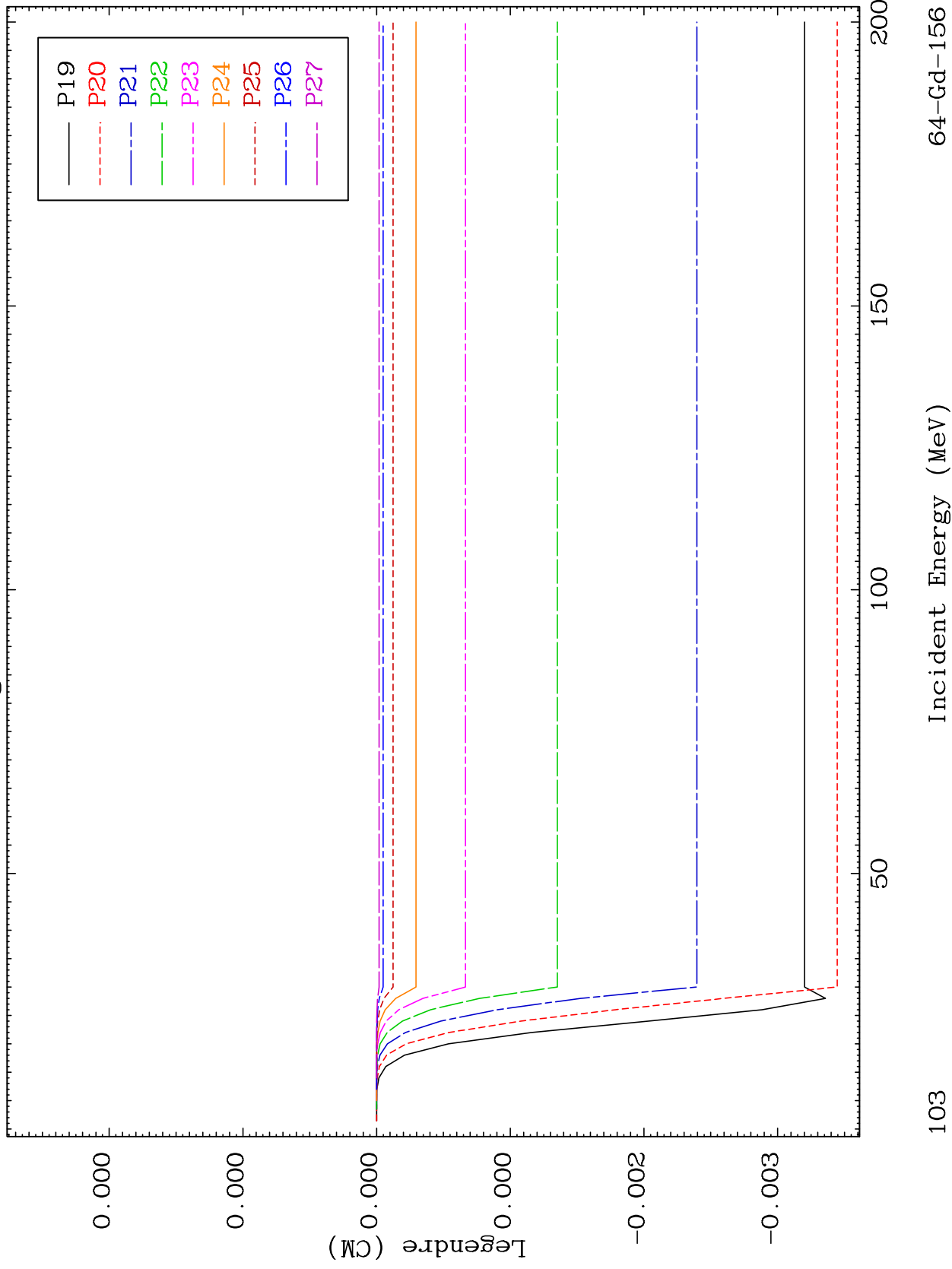
Incident Energy (MeV)

102

MAT 6437

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

64-Gd-156



103

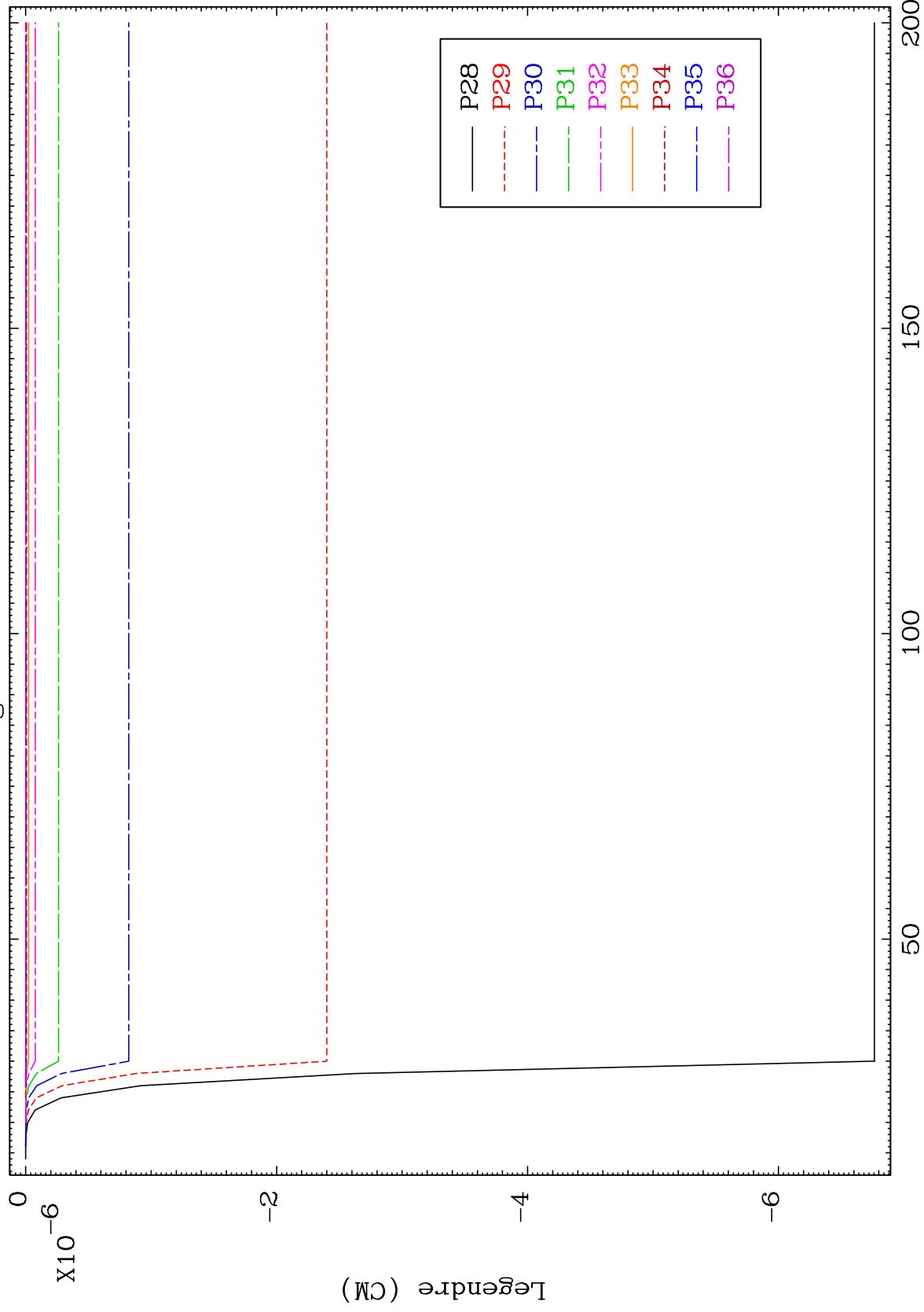
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



104

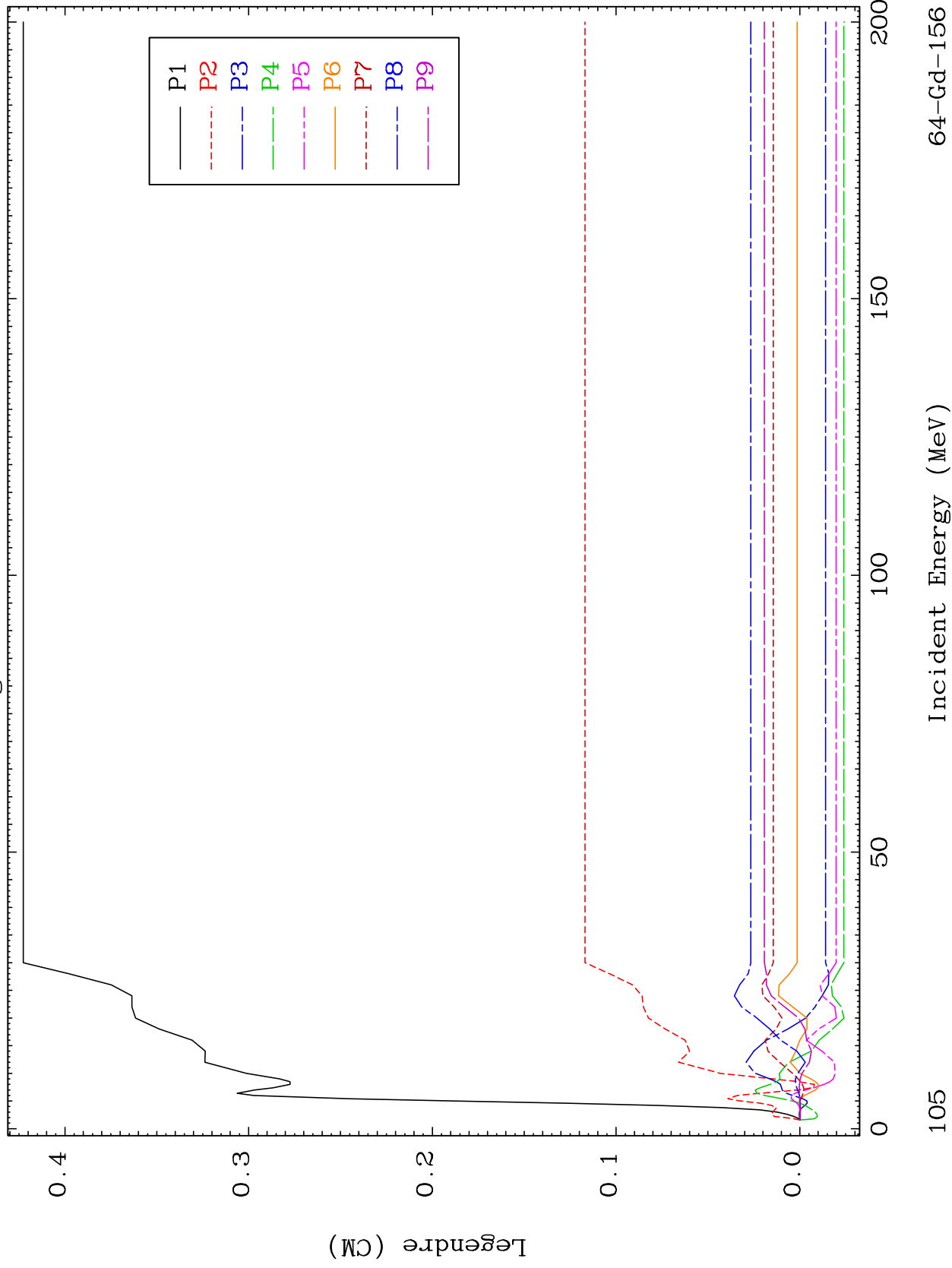
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

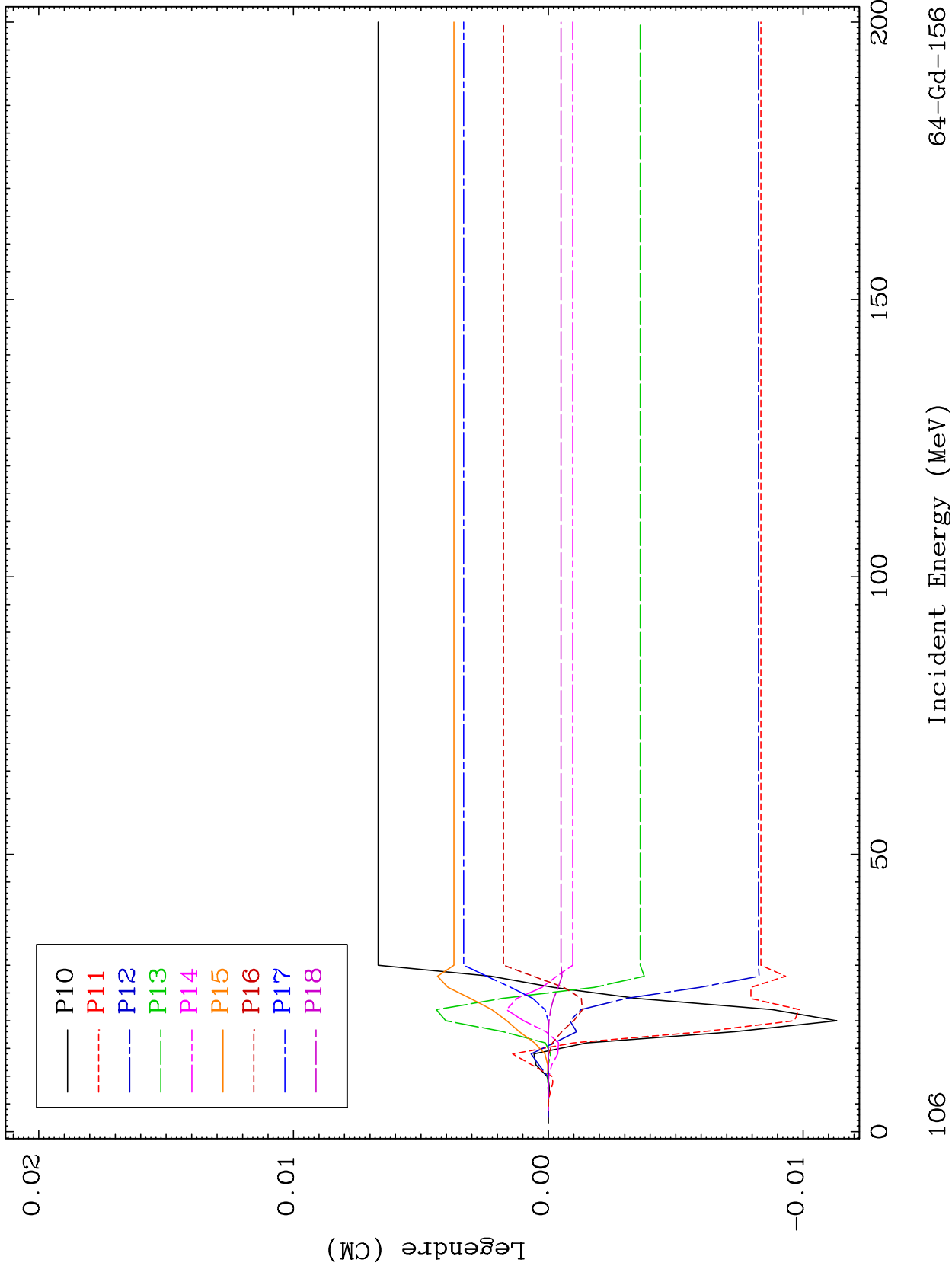
Incident Energy (MeV)

105

MAT 6437

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

64-Gd-156



106

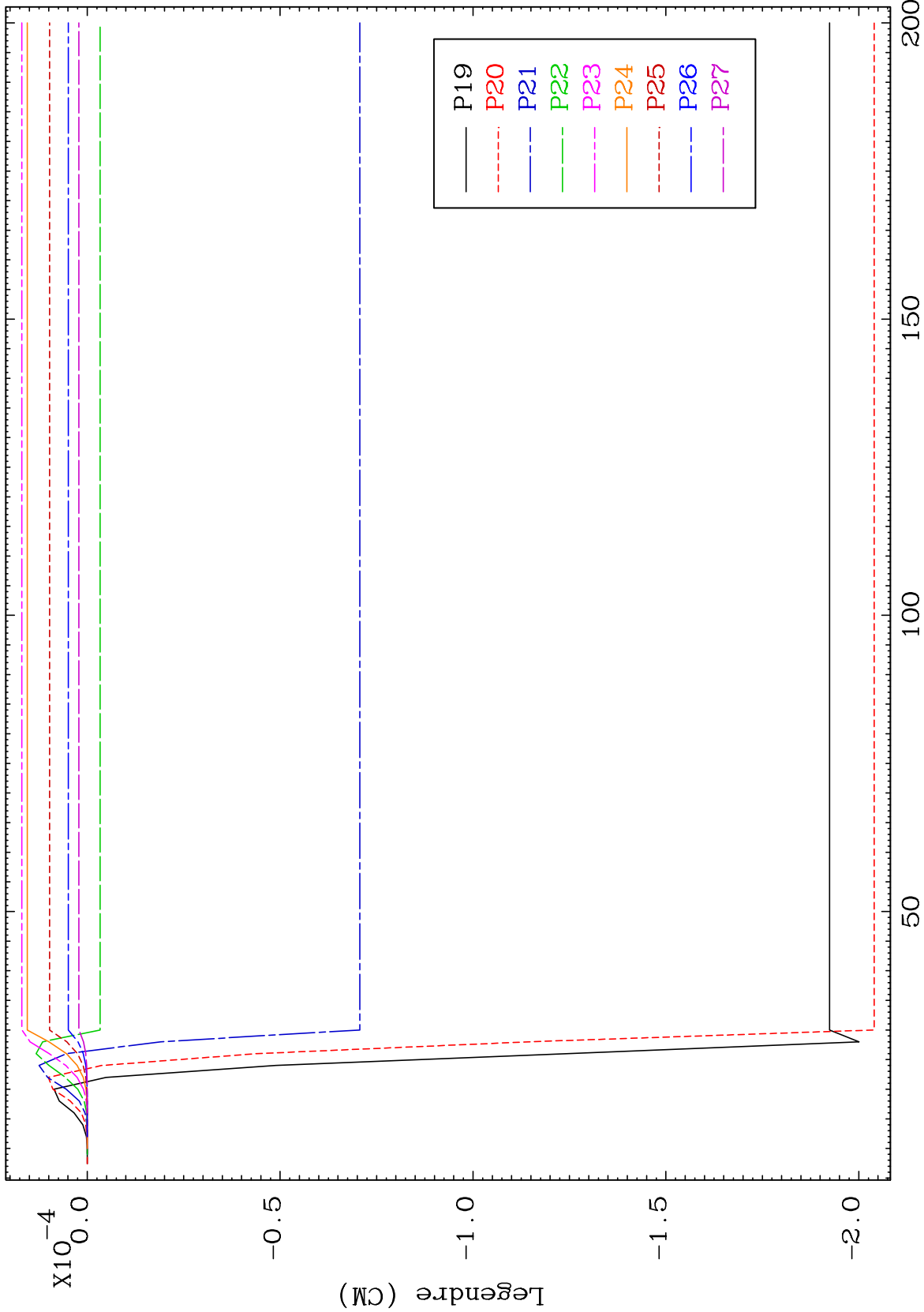
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



107

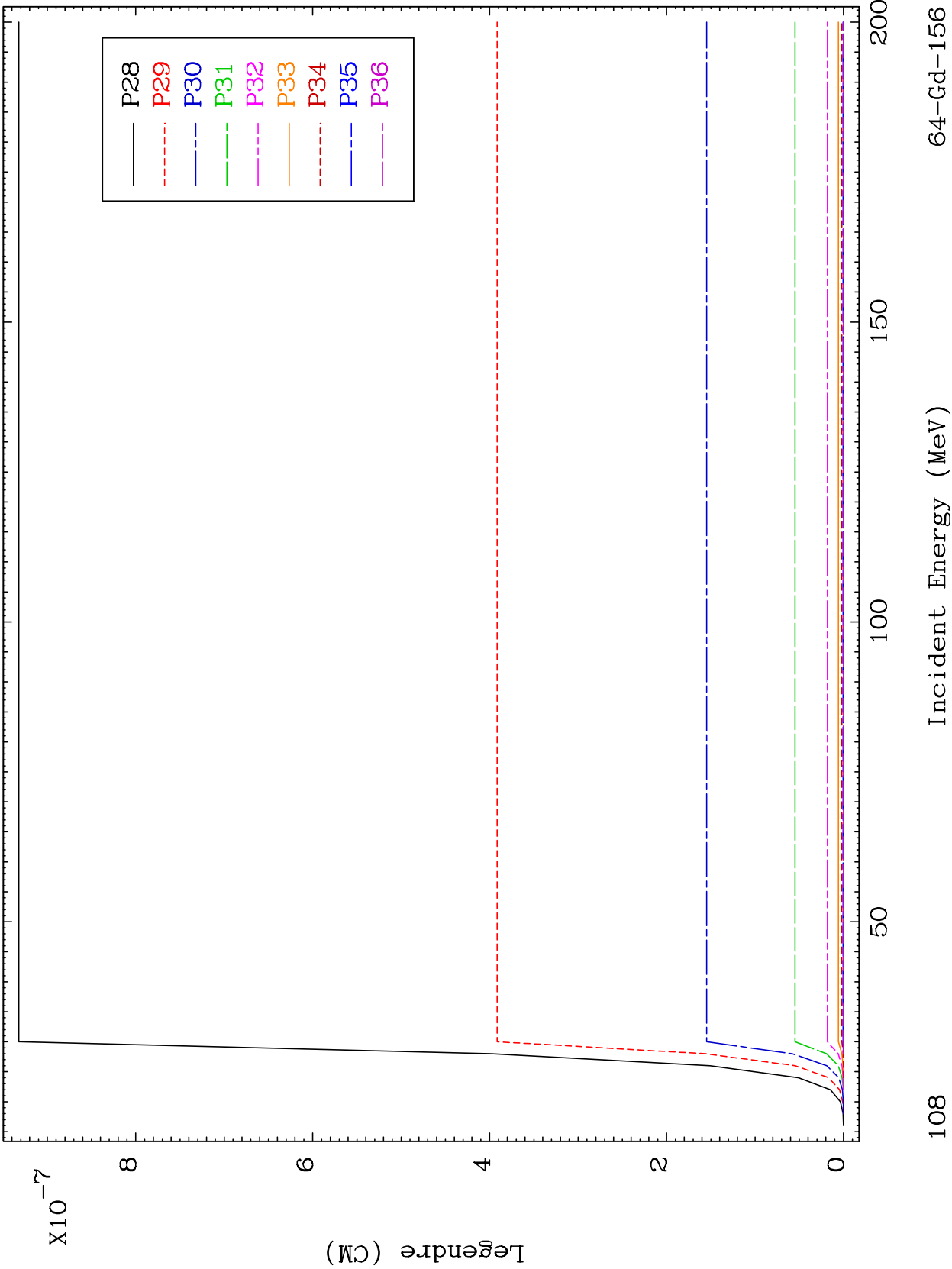
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



108

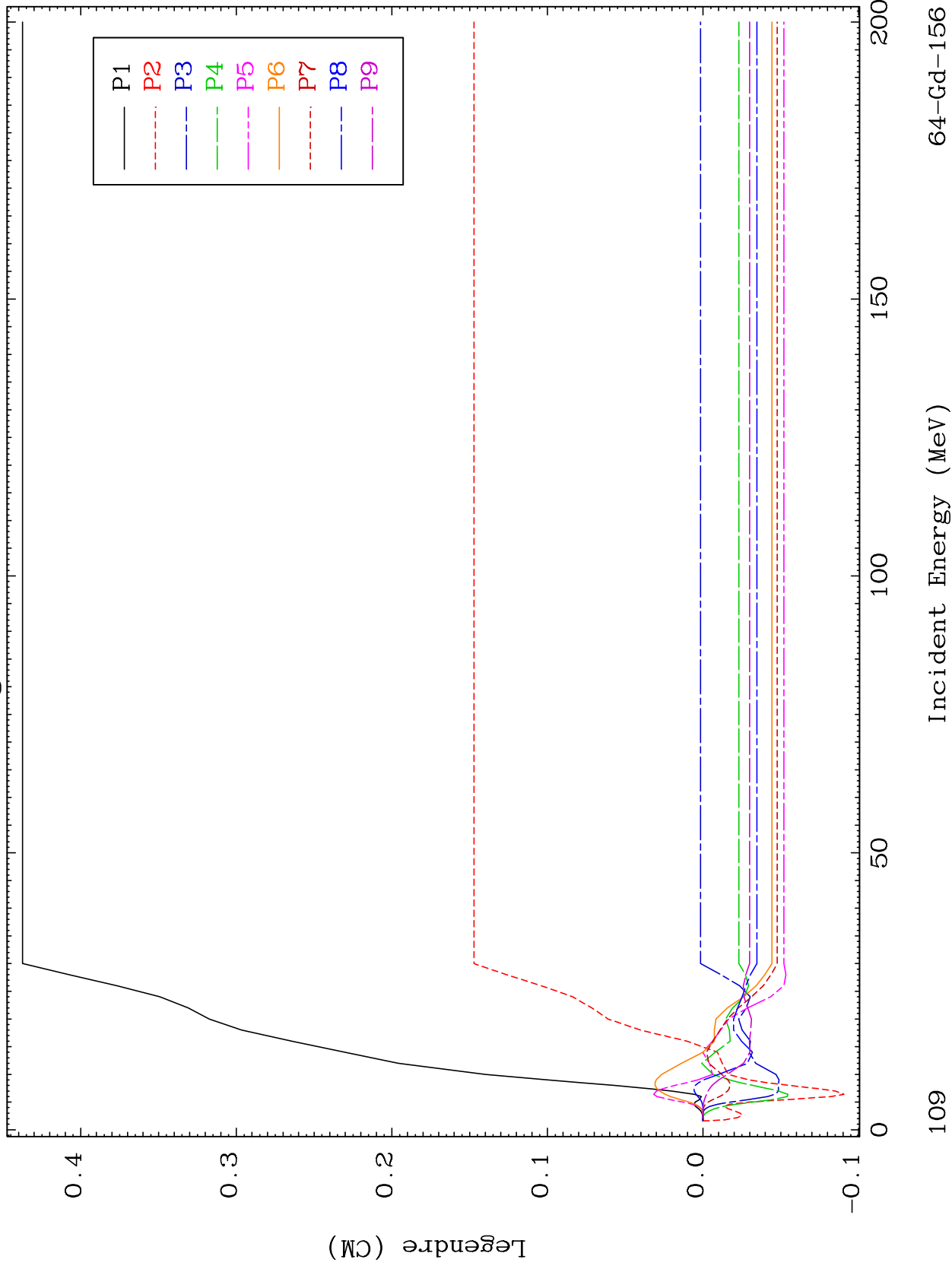
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

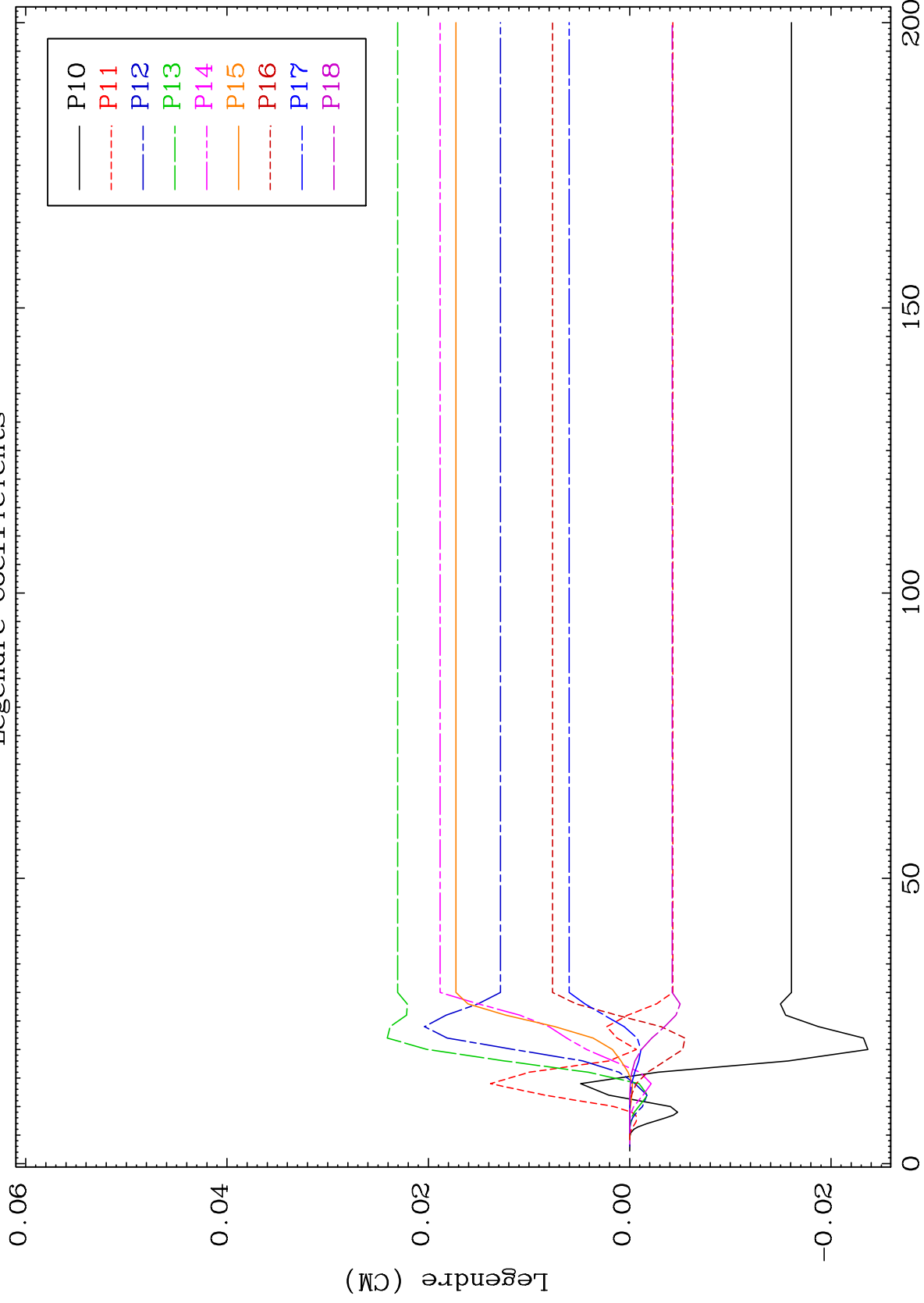
Incident Energy (MeV)

109

MAT 6437

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

64-Gd-156



64-Gd-156

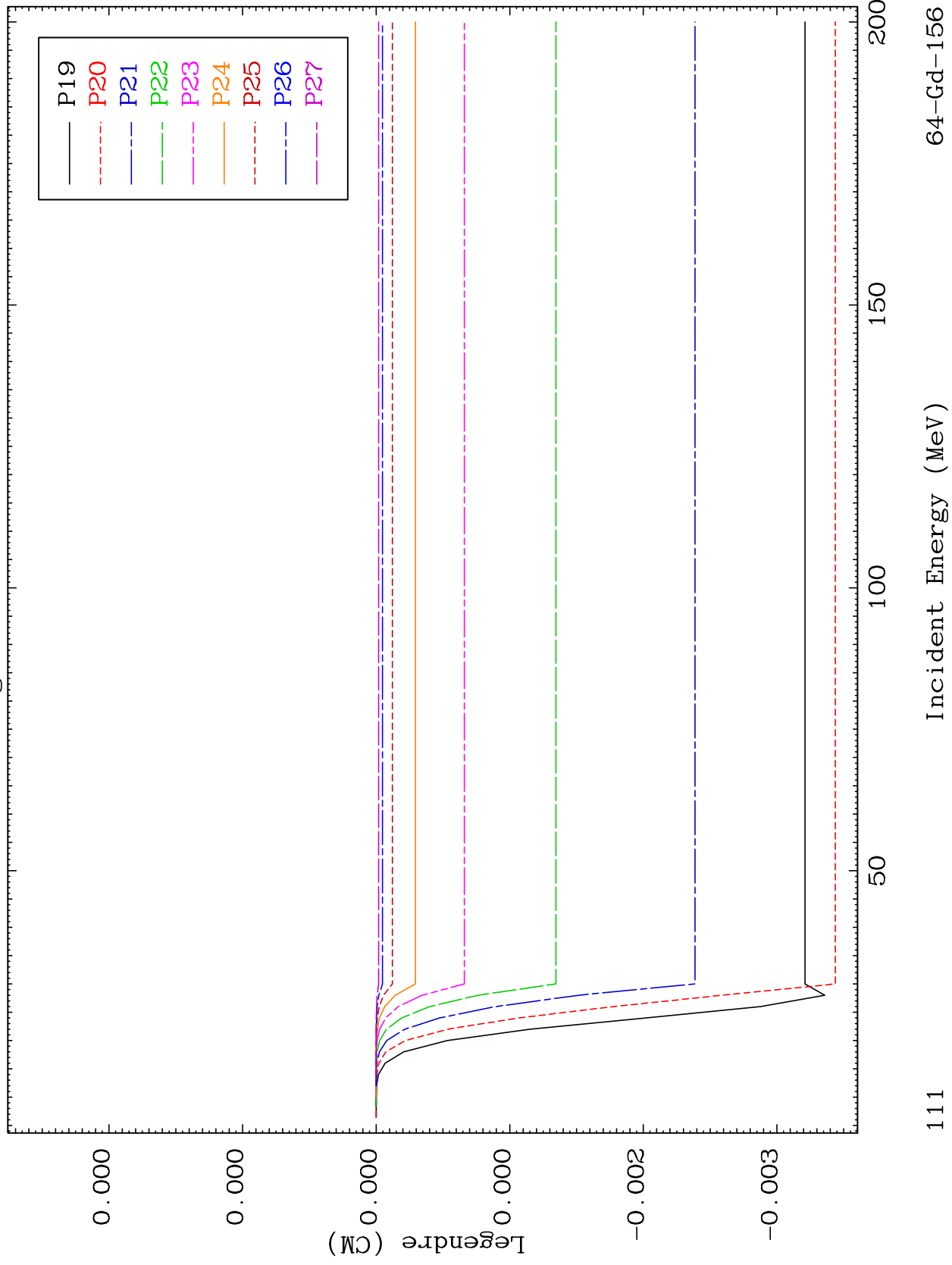
Incident Energy (MeV)

110

MAT 6437

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

64-Gd-156



111

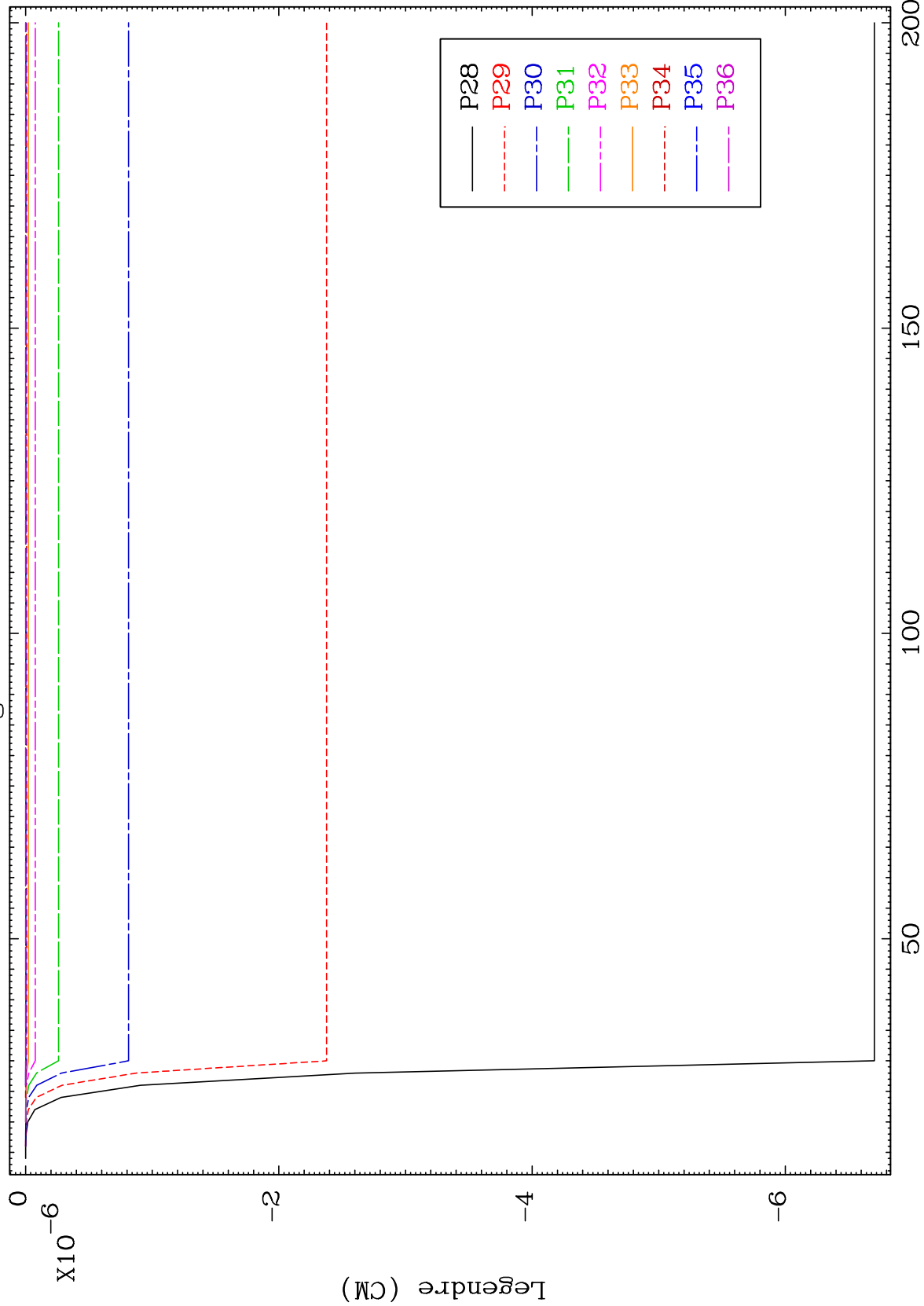
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



112

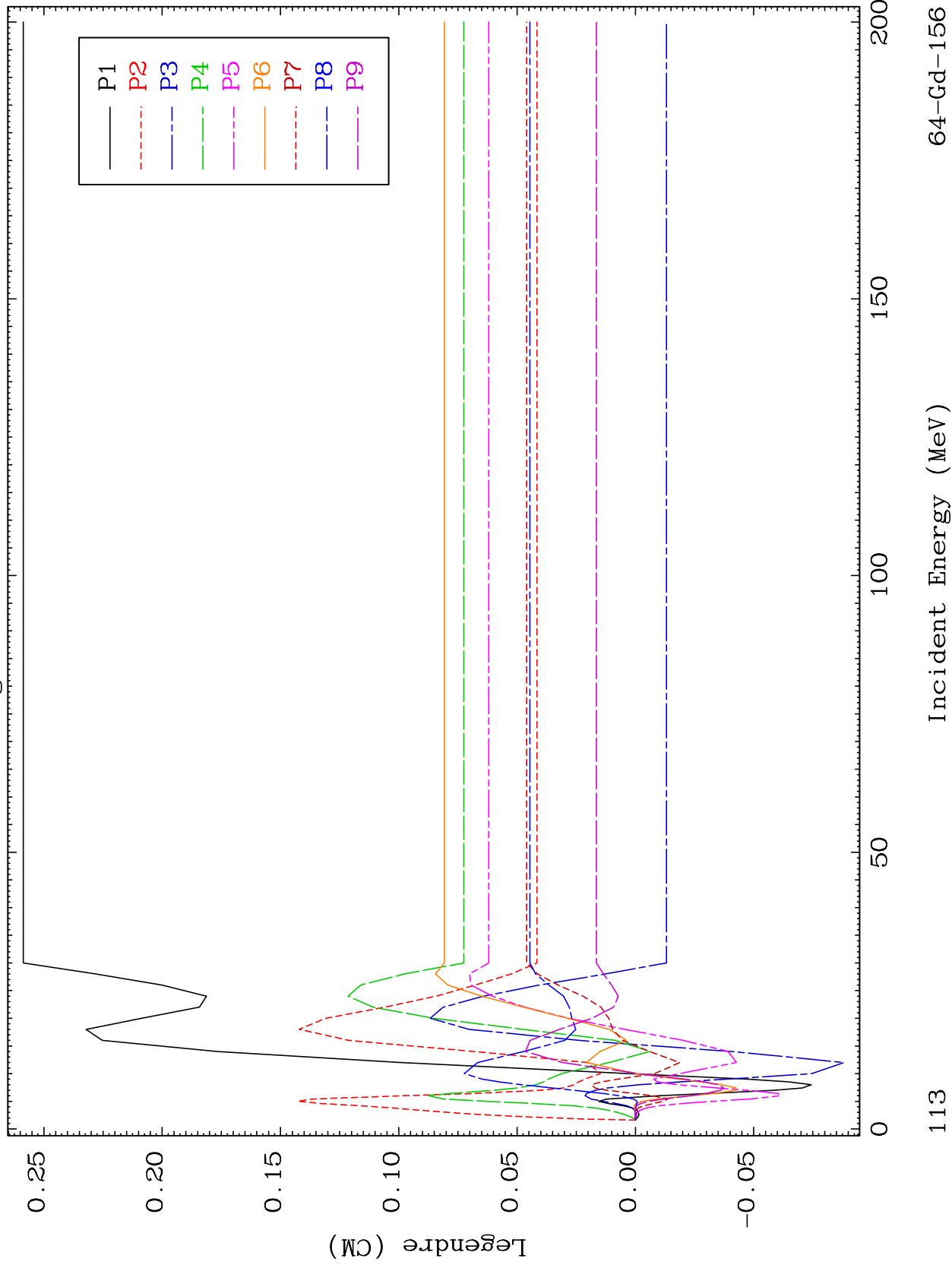
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

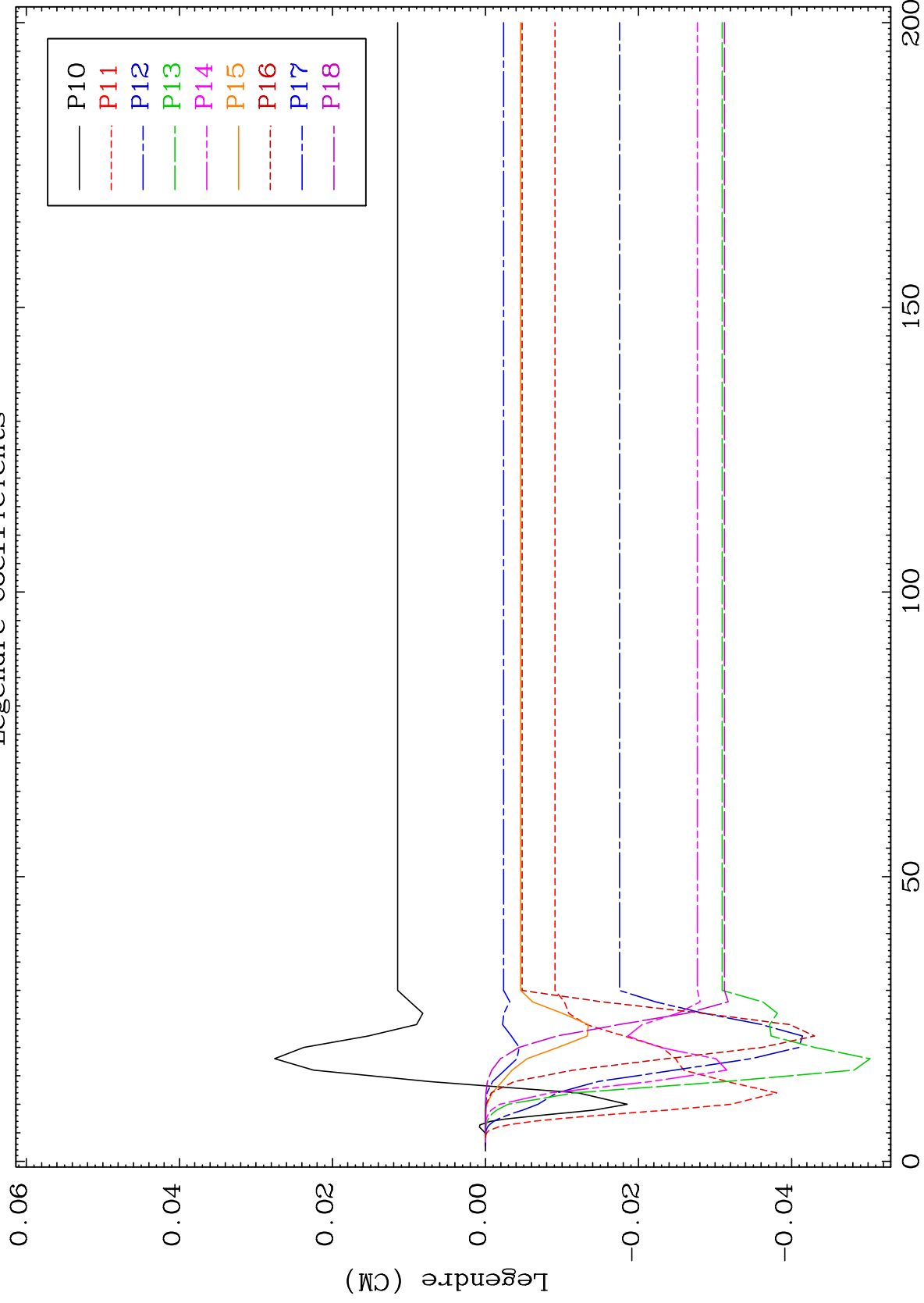
Incident Energy (MeV)

113

MAT 6437

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

64-Gd-156



114

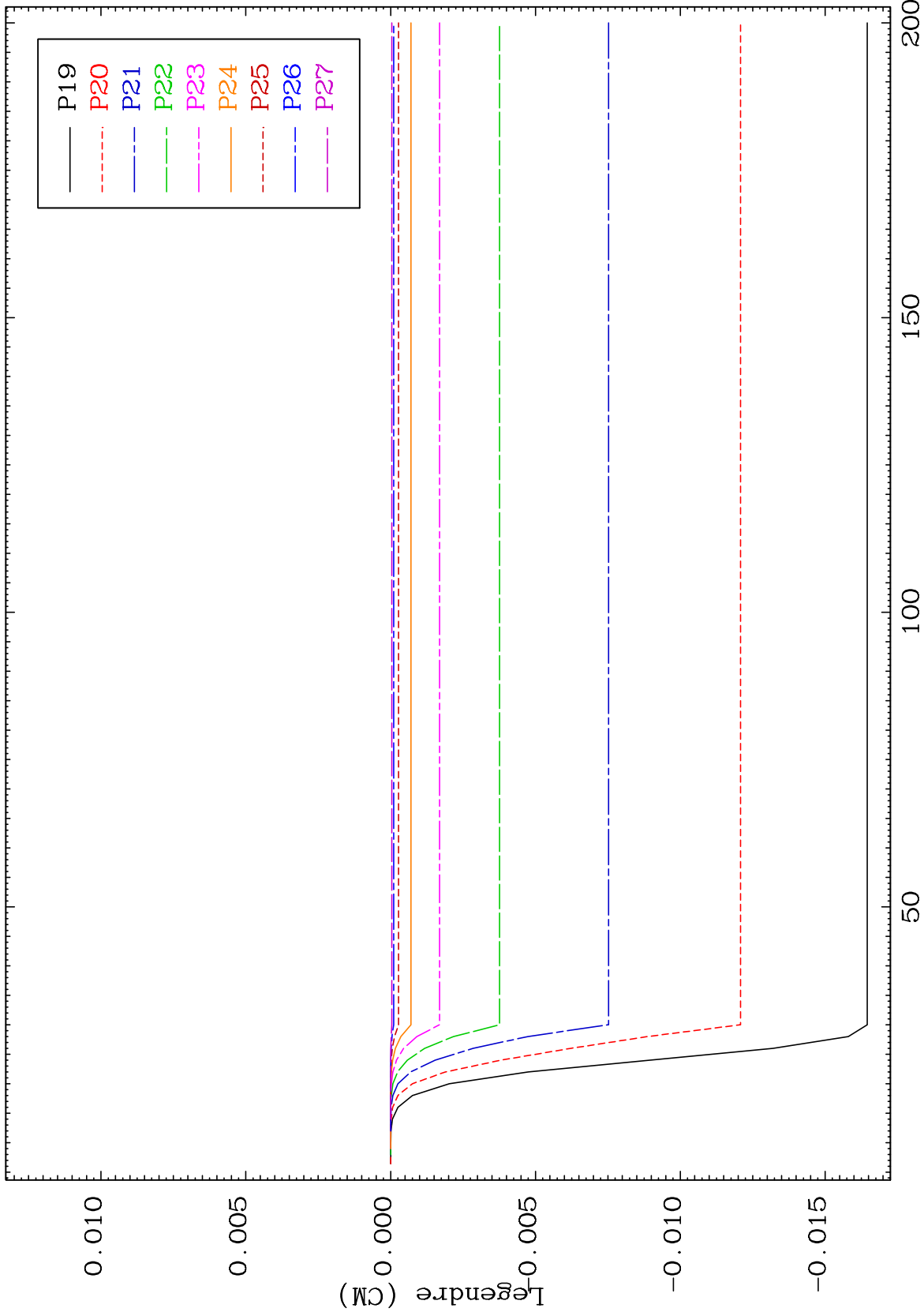
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

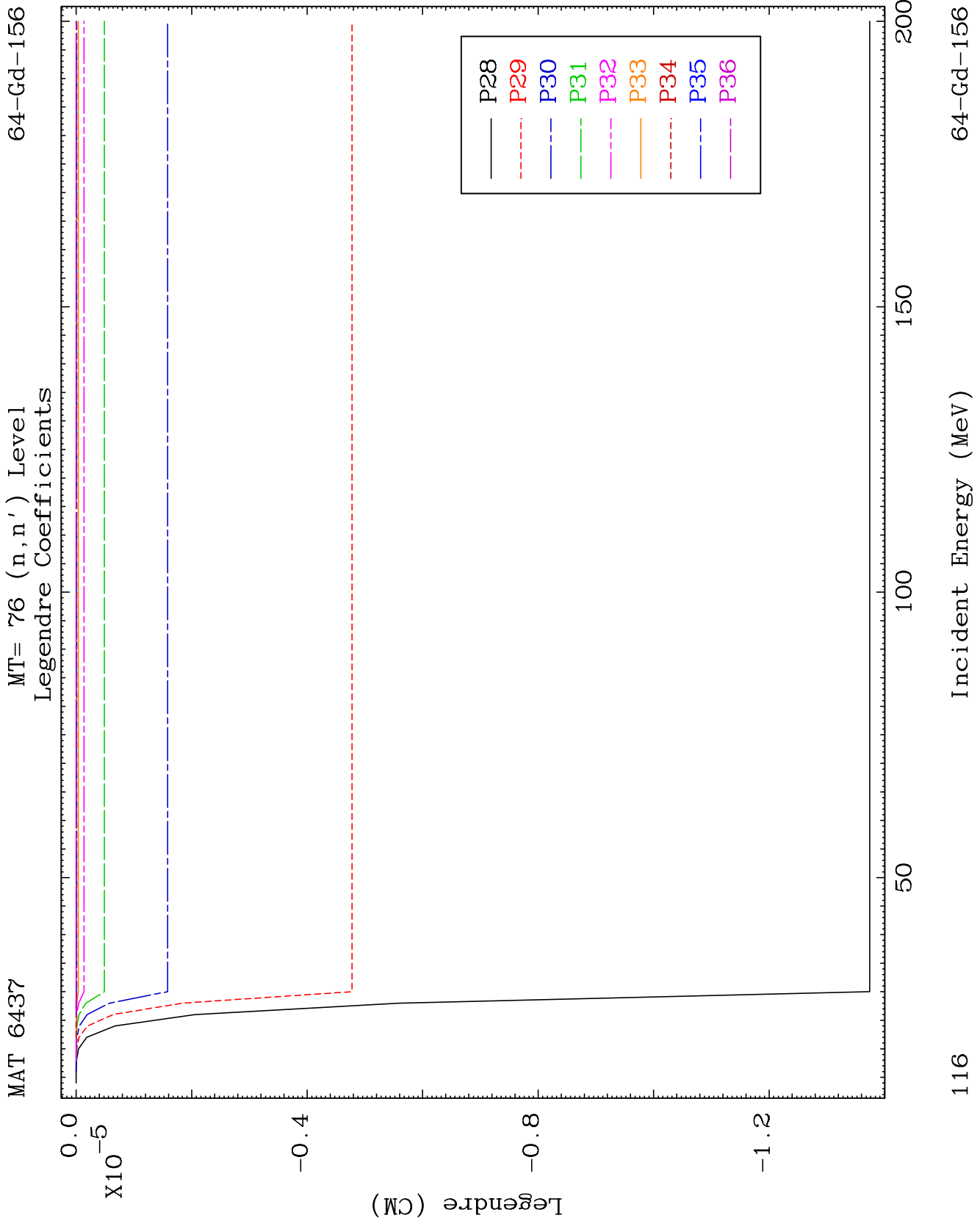
64-Gd-156



115

Incident Energy (MeV)

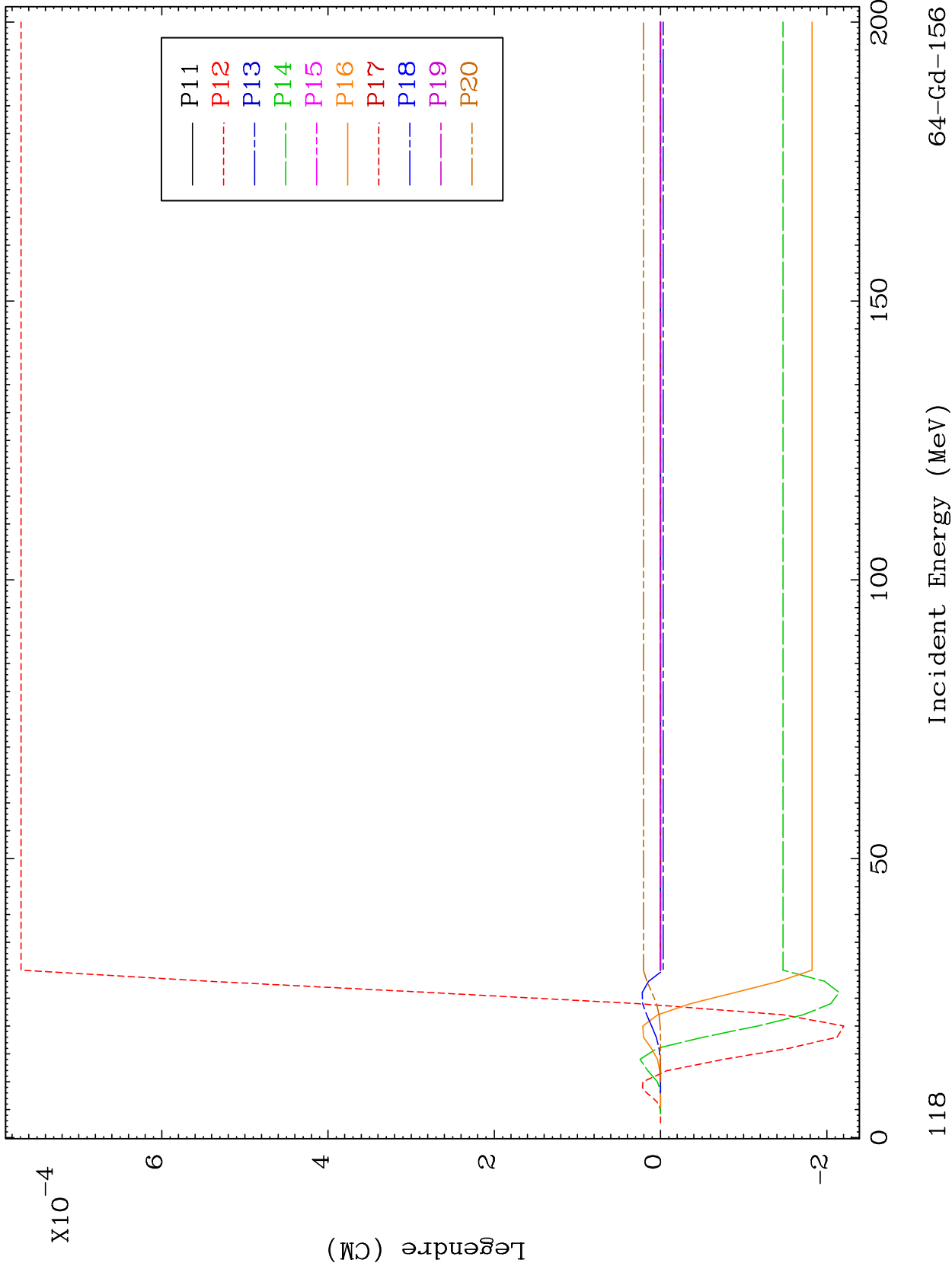
64-Gd-156



MAT 6437

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

64-Gd-156



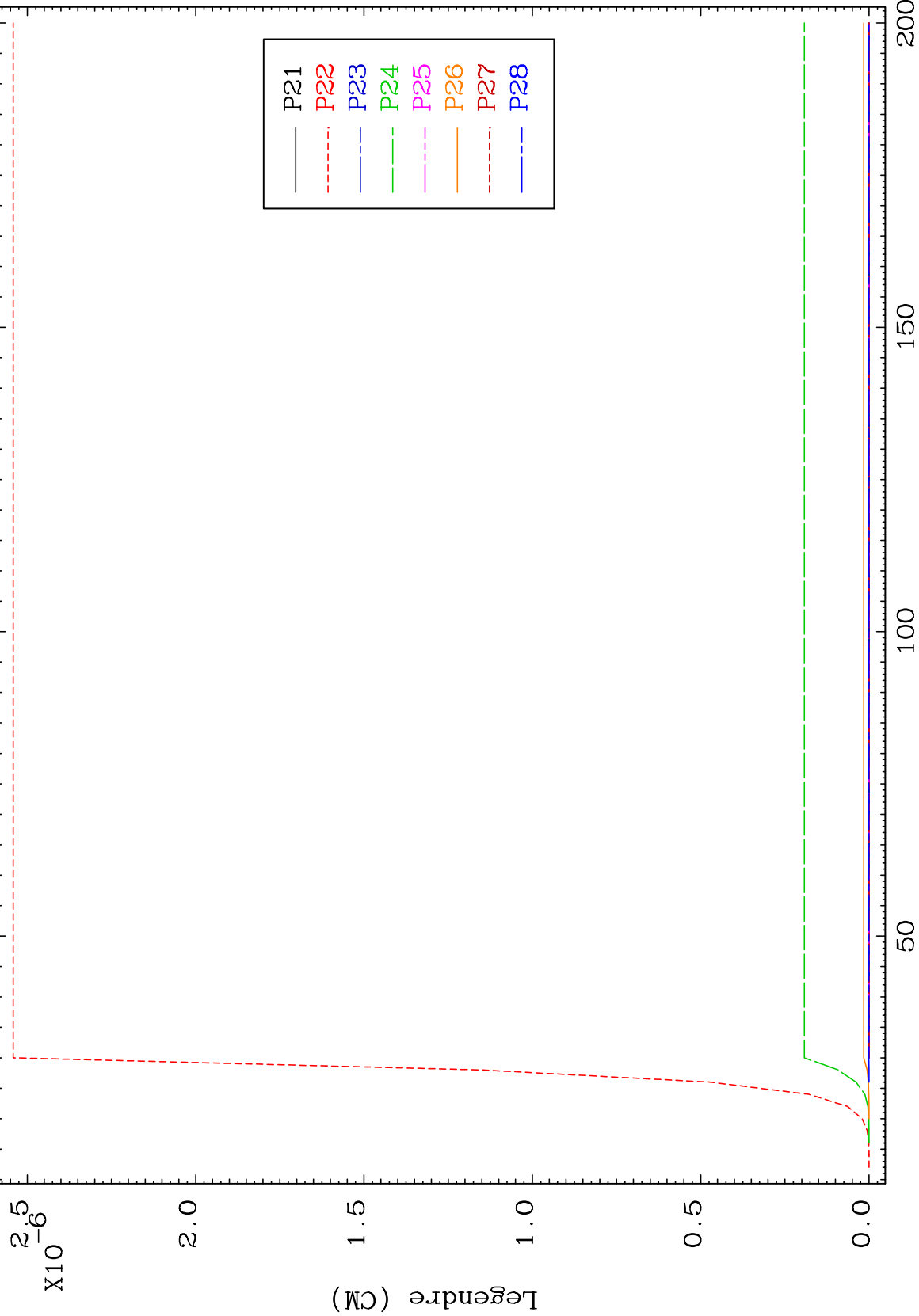
118

64-Gd-156

MAT 6437

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

64-Gd-156



119

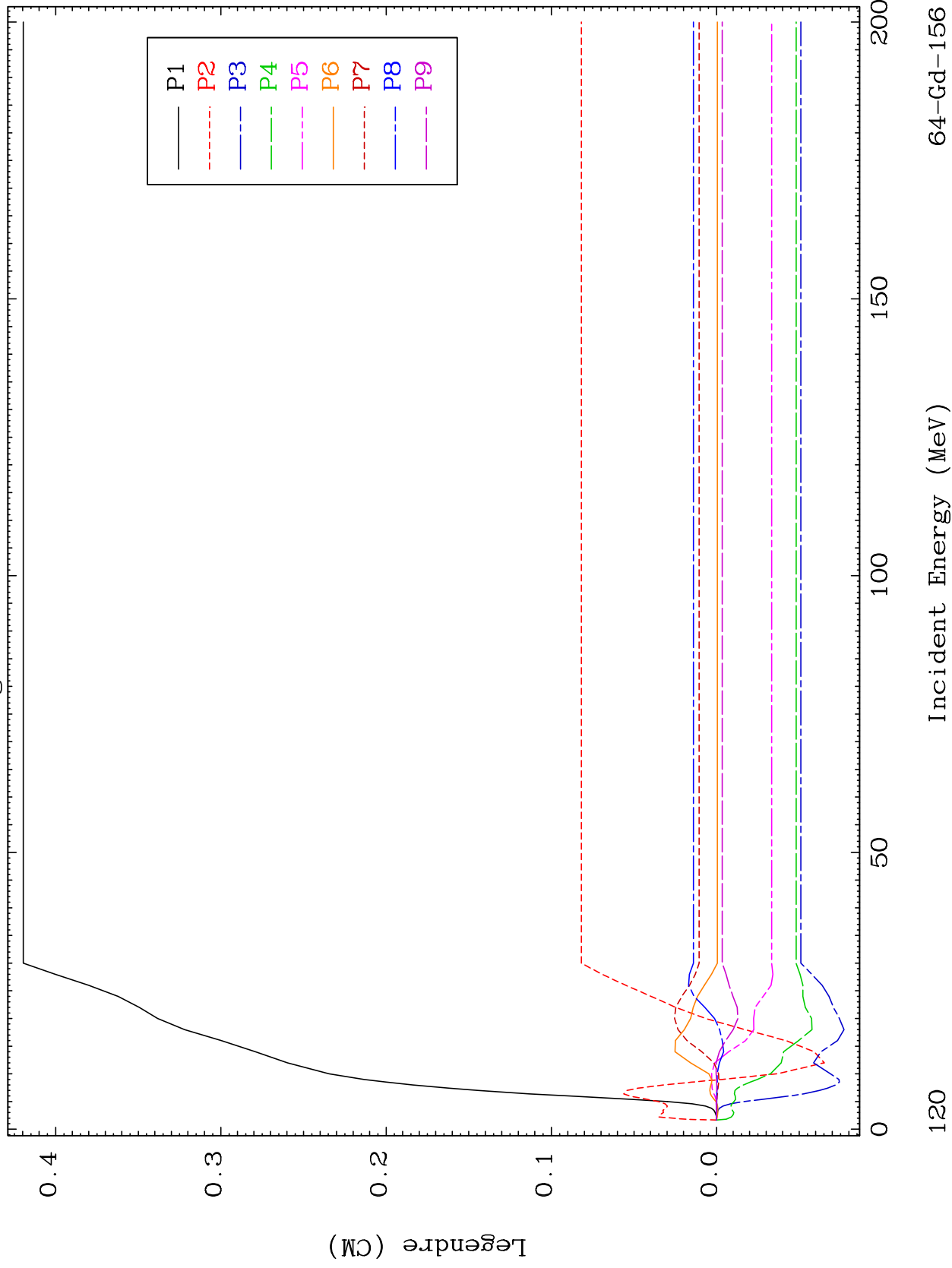
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

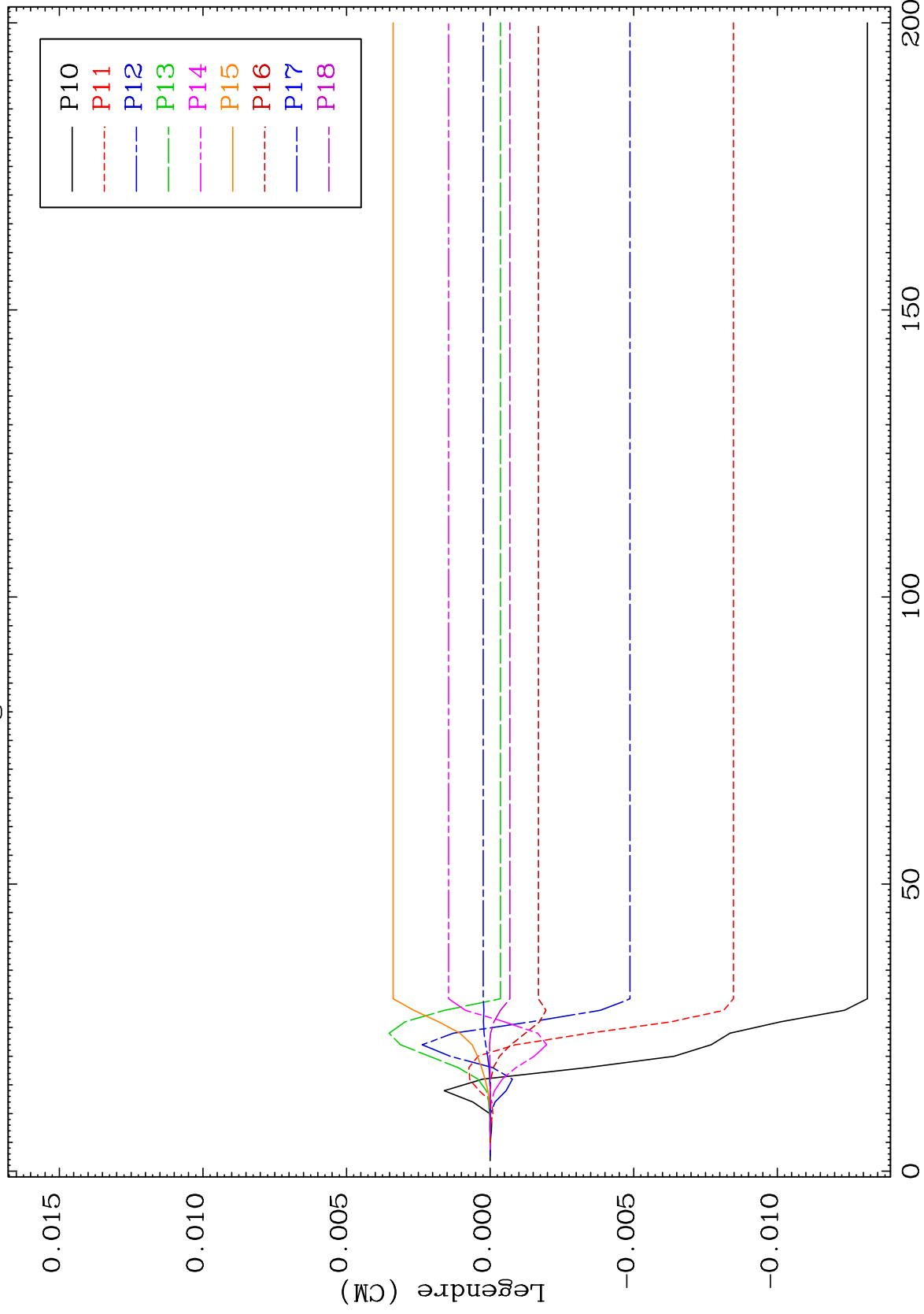
Incident Energy (MeV)

120

MAT 6437

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

64-Gd-156



121

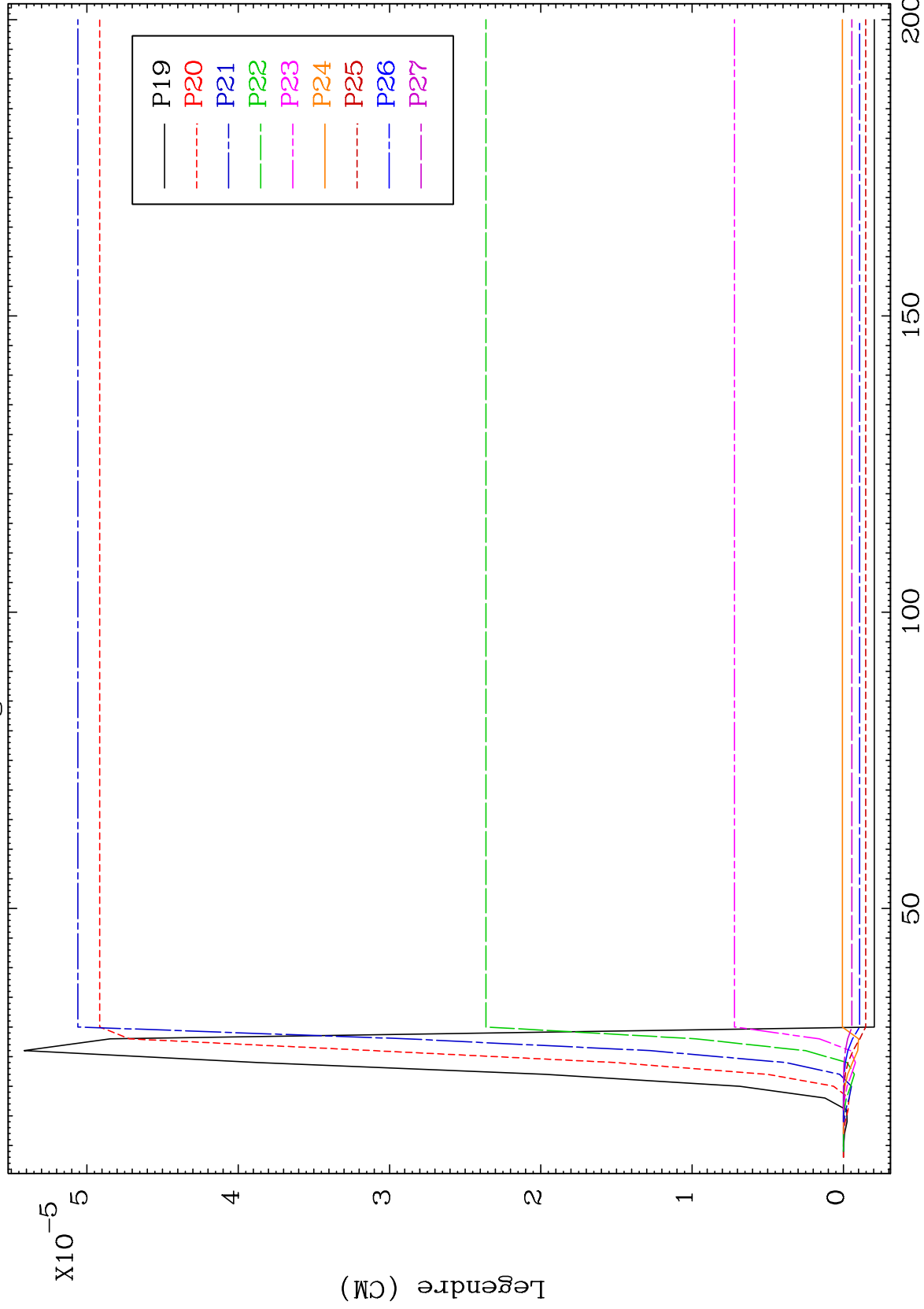
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



122

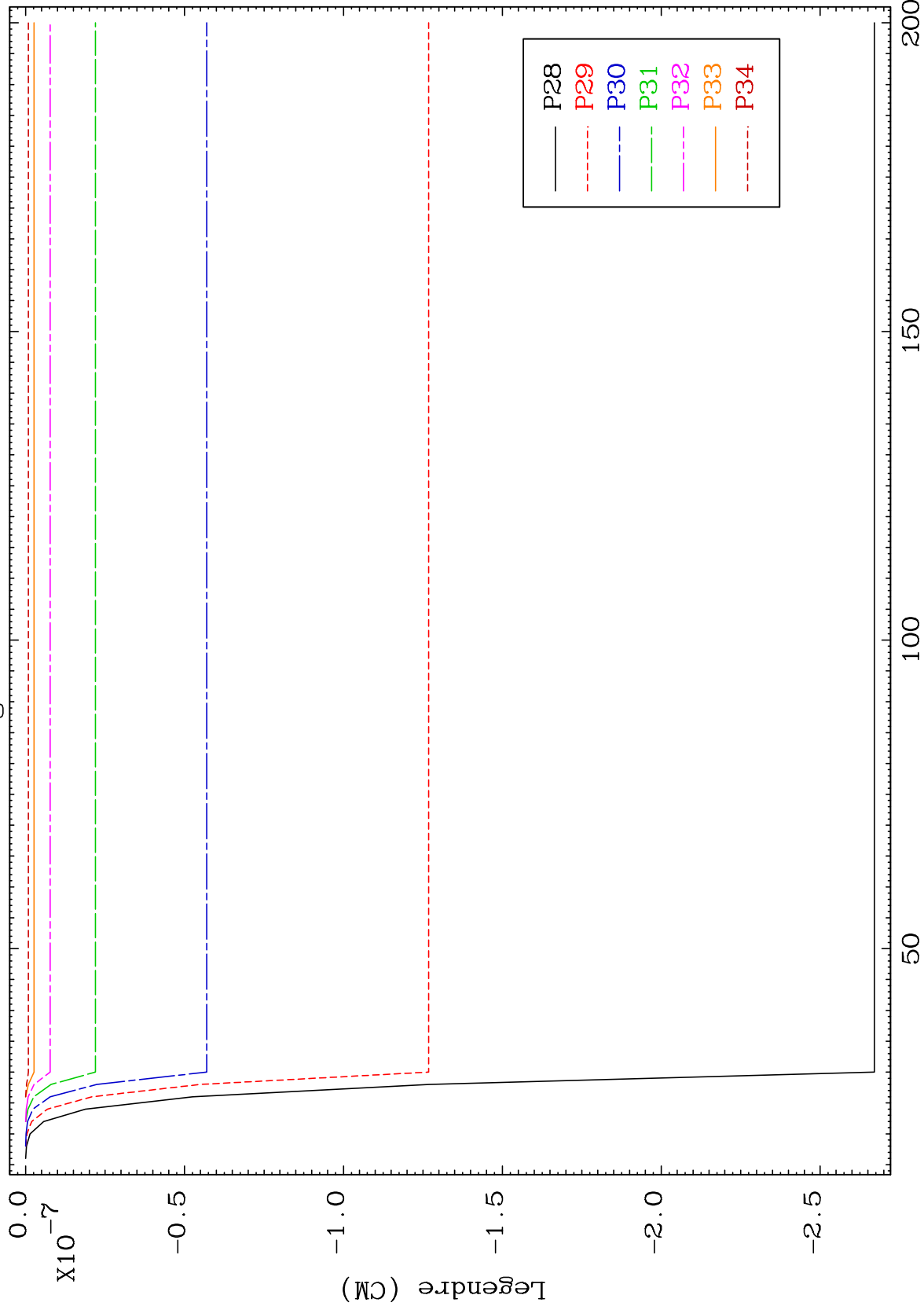
64-Gd-156

MAT 6437

MT= 78 (n,n') Level

64-Gd-156

Legendre Coefficients



64-Gd-156

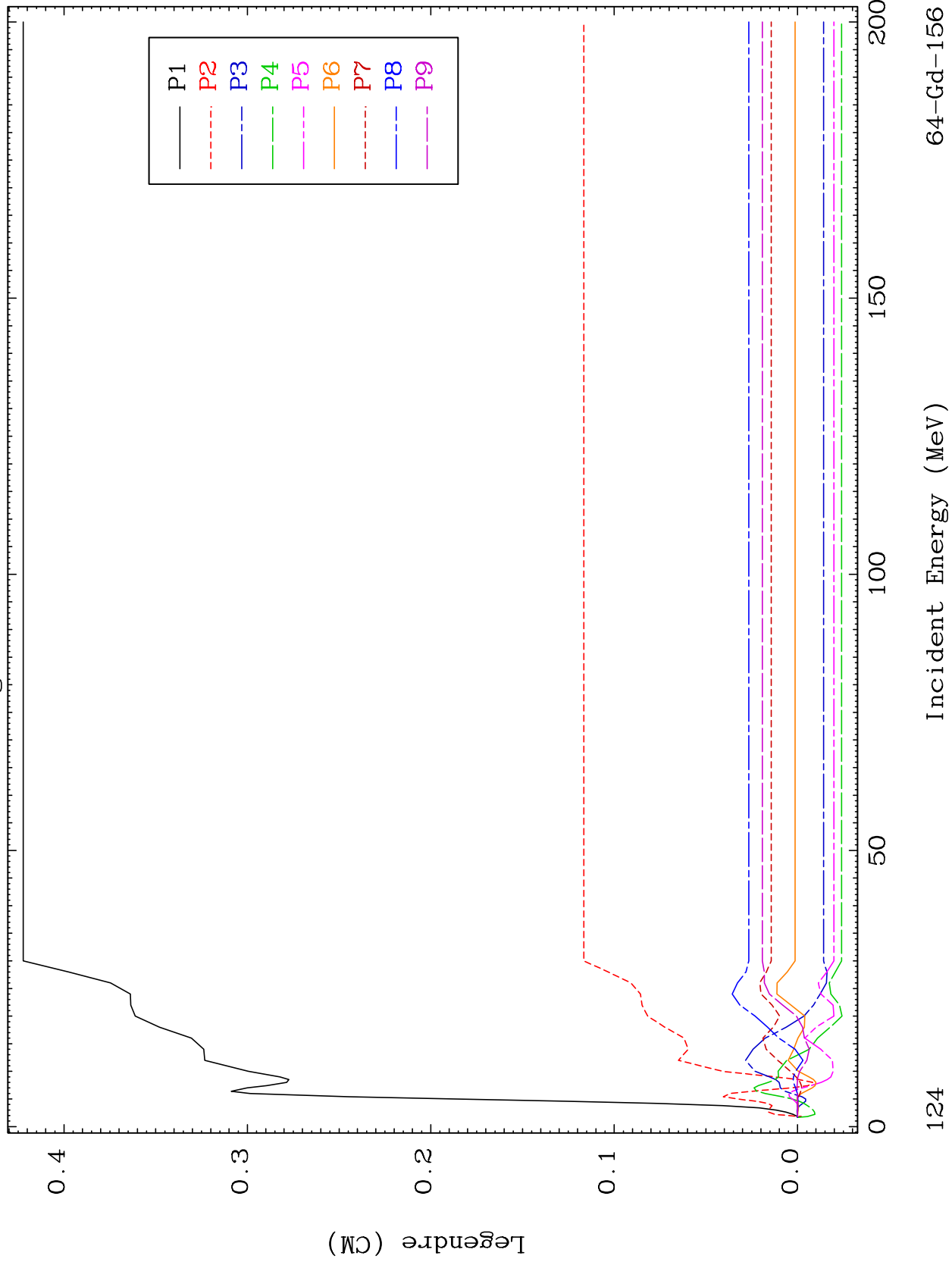
Incident Energy (MeV)

123

MAT 6437

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

64-Gd-156

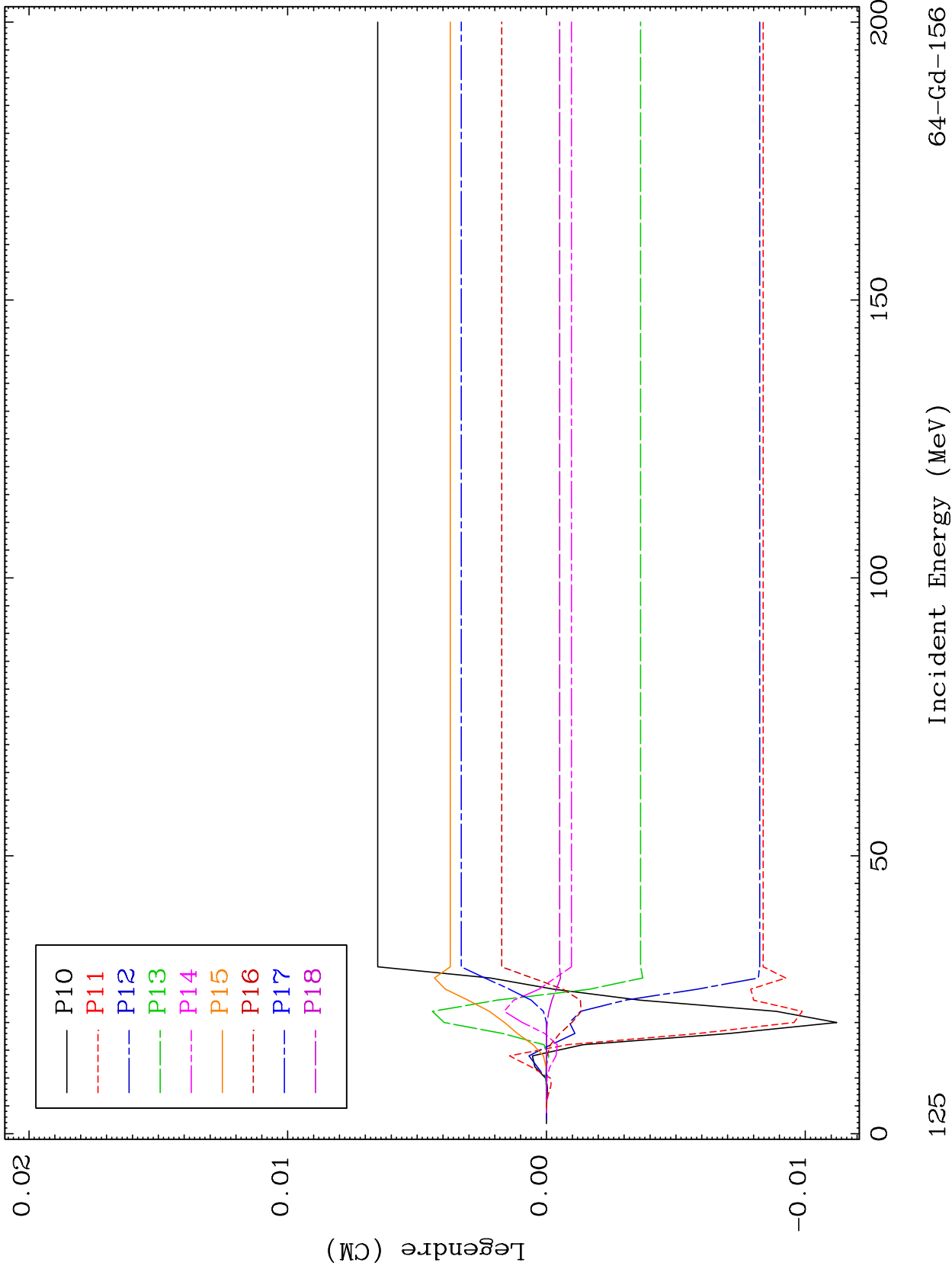


124

MAT 6437

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

64-Gd-156



64-Gd-156

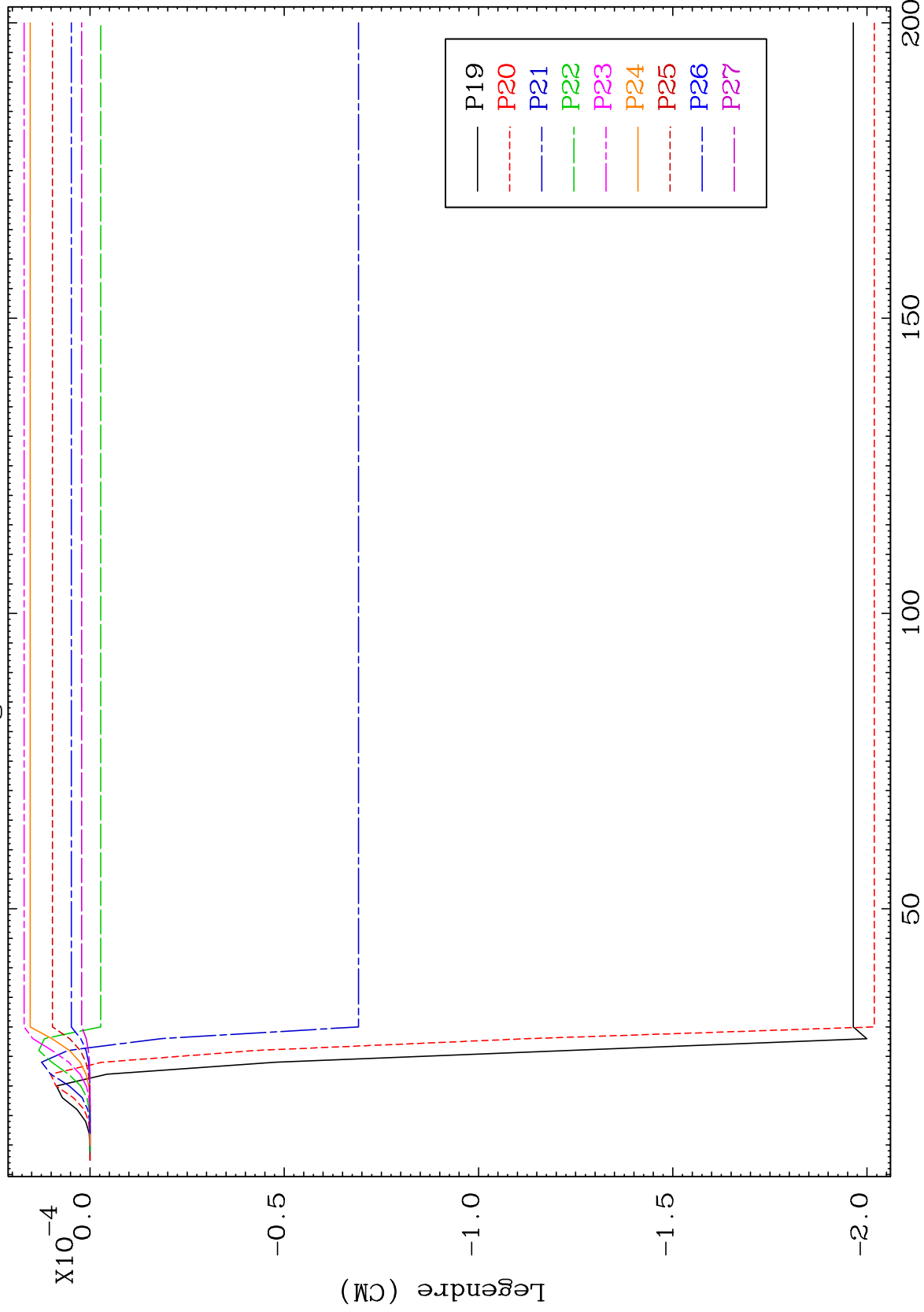
Incident Energy (MeV)

125

MAT 6437

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

64-Gd-156



126

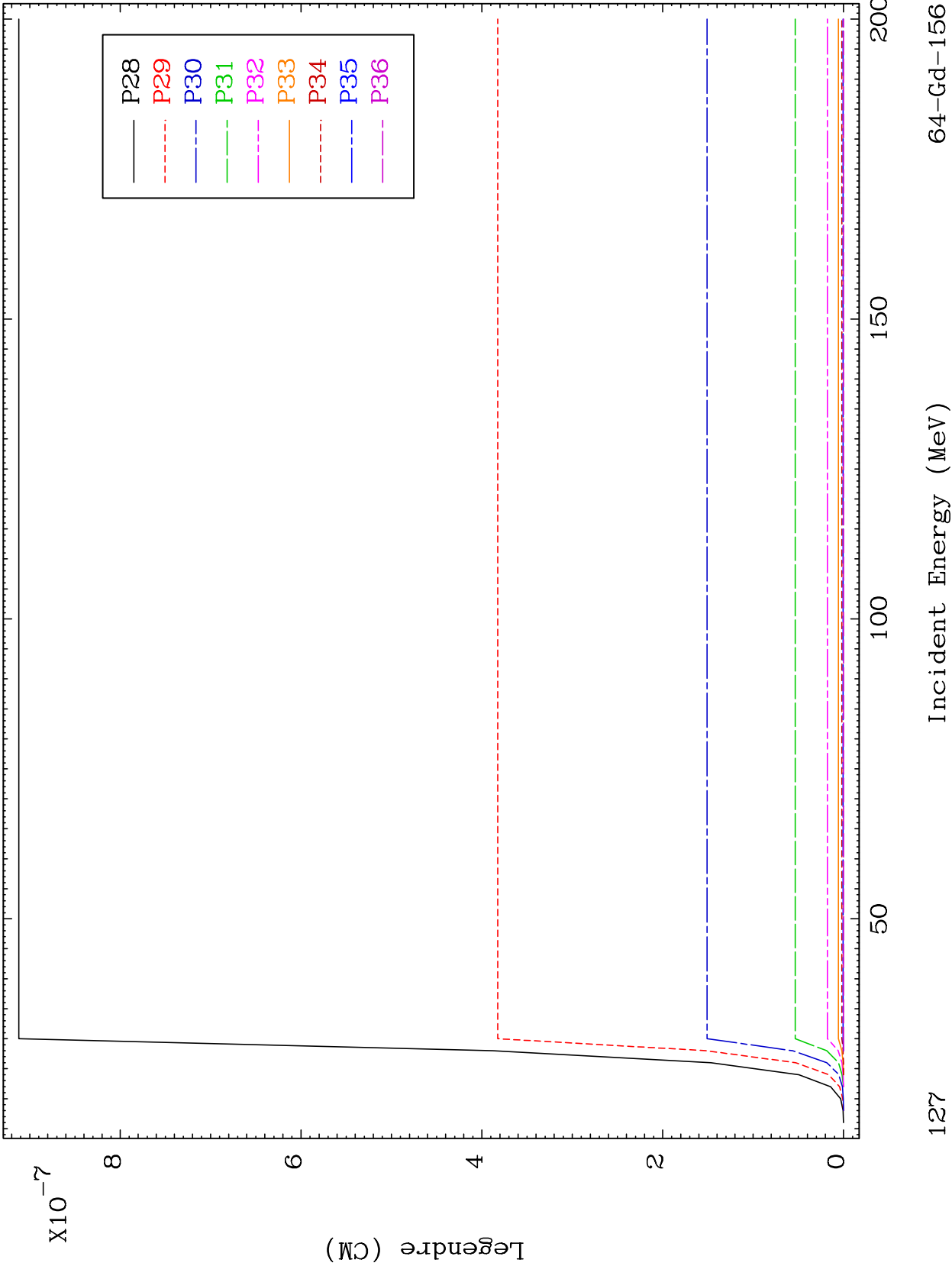
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



127

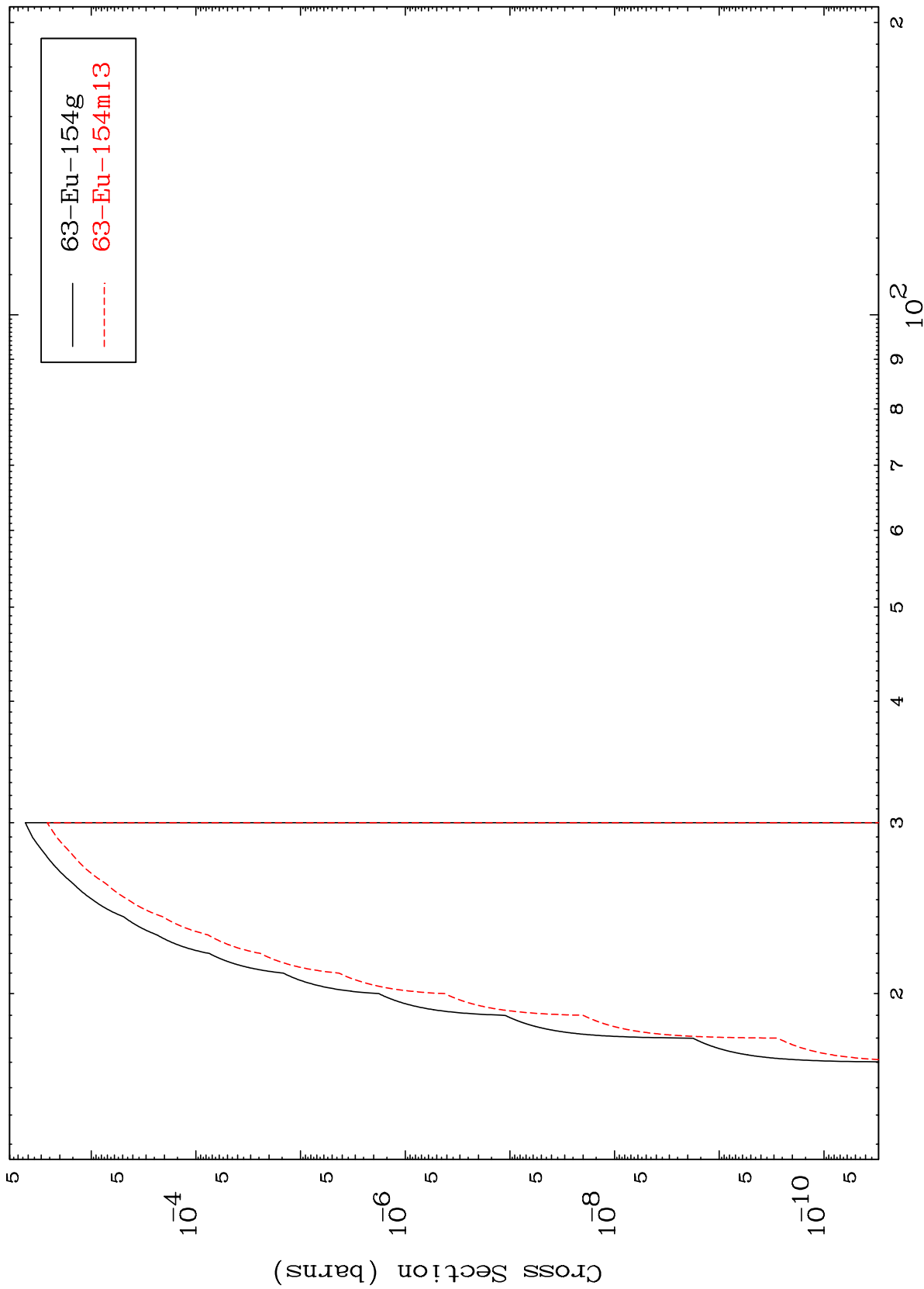
64-Gd-156

MAT 6437

(n,n') d

64-Gd-156

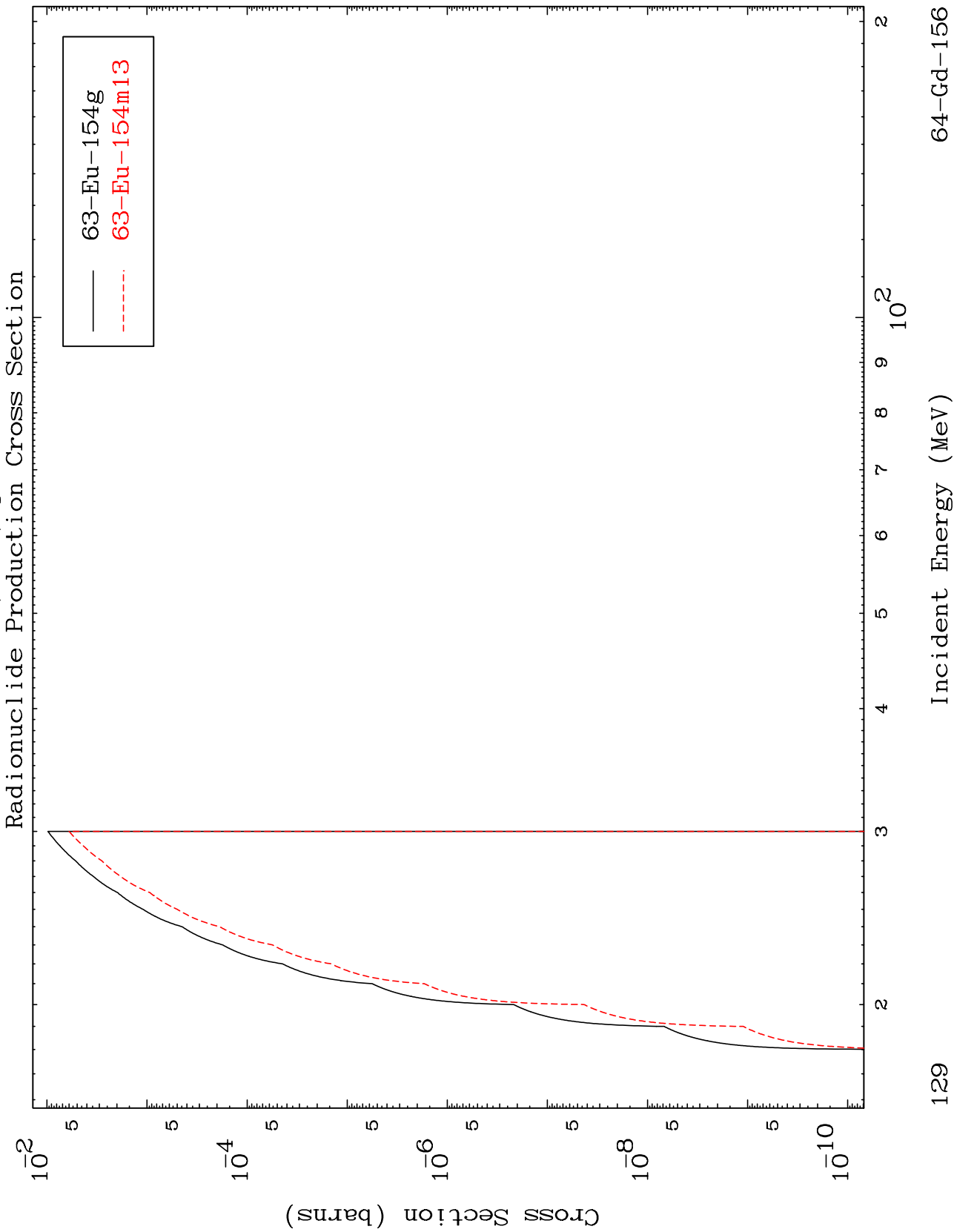
Radionuclide Production Cross Section



128

Incident Energy (MeV)

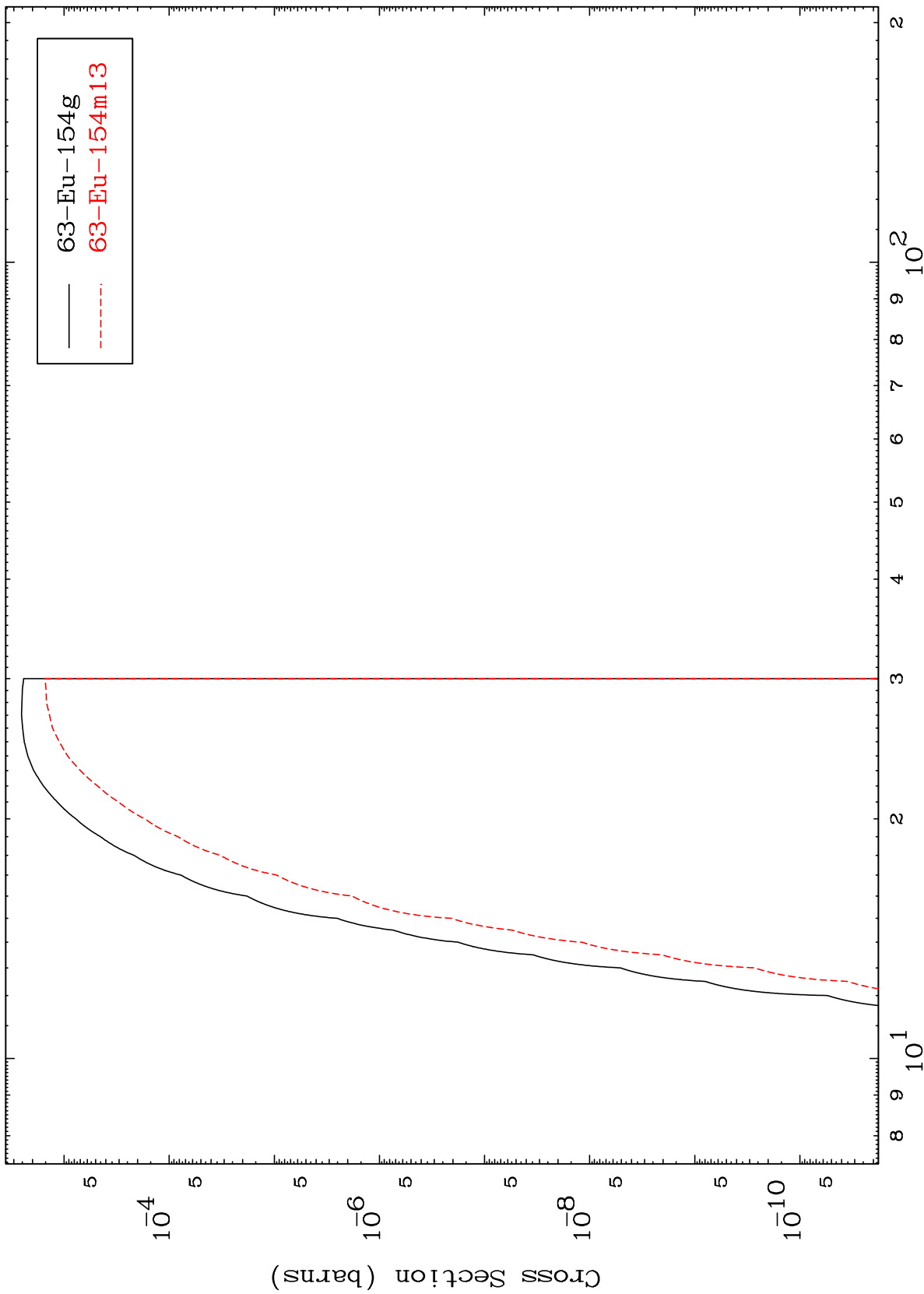
64-Gd-156



MAT 6437

64-Gd-156

(n, t)
Radionuclide Production Cross Section



64-Gd-156

Incident Energy (MeV)

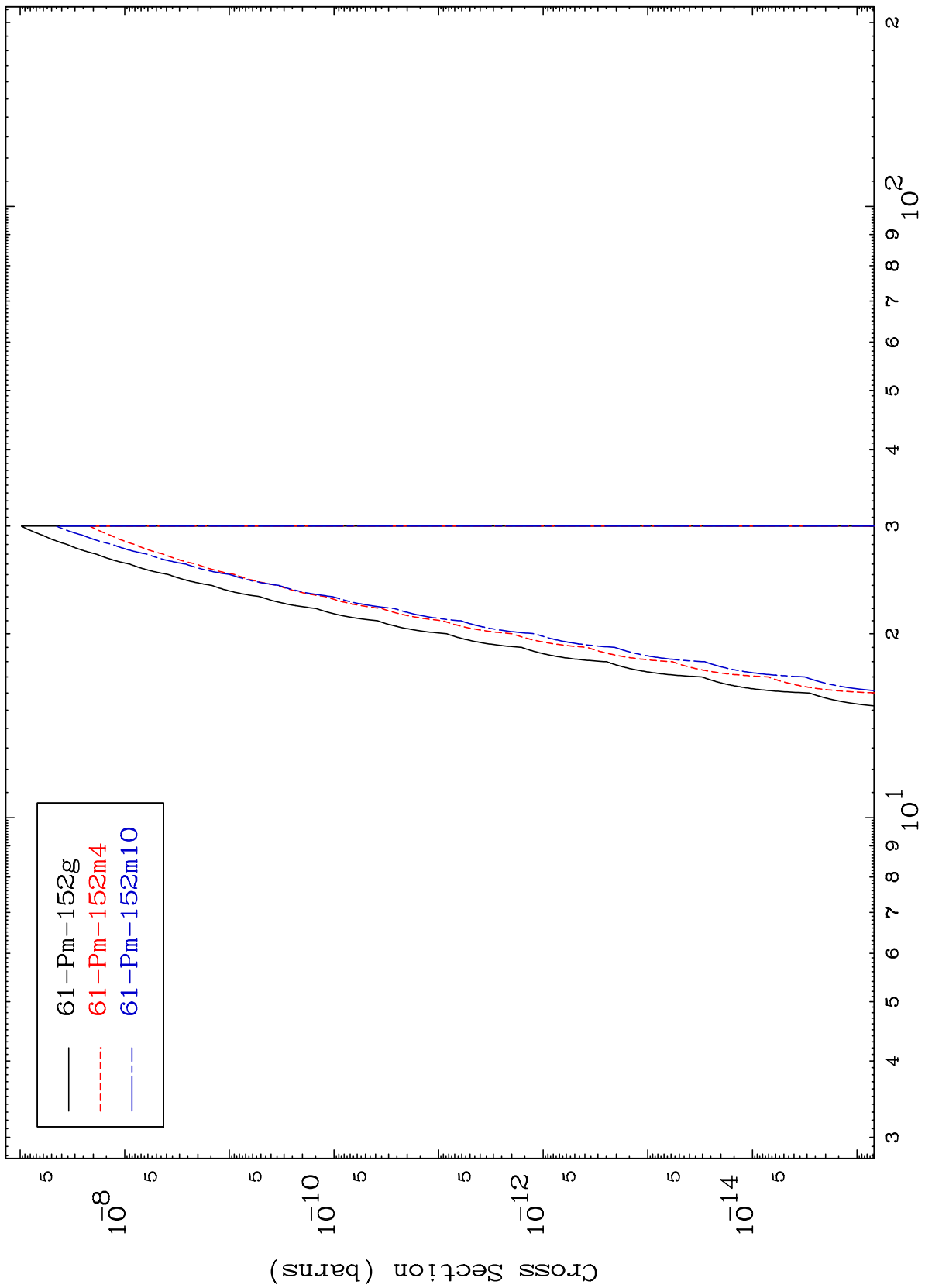
130

MAT 6437

(n,p) α

64-Gd-156

Radionuclide Production Cross Section



131

Incident Energy (MeV)

64-Gd-156