

Program EVALPLOT
(Version 2018-1)

by

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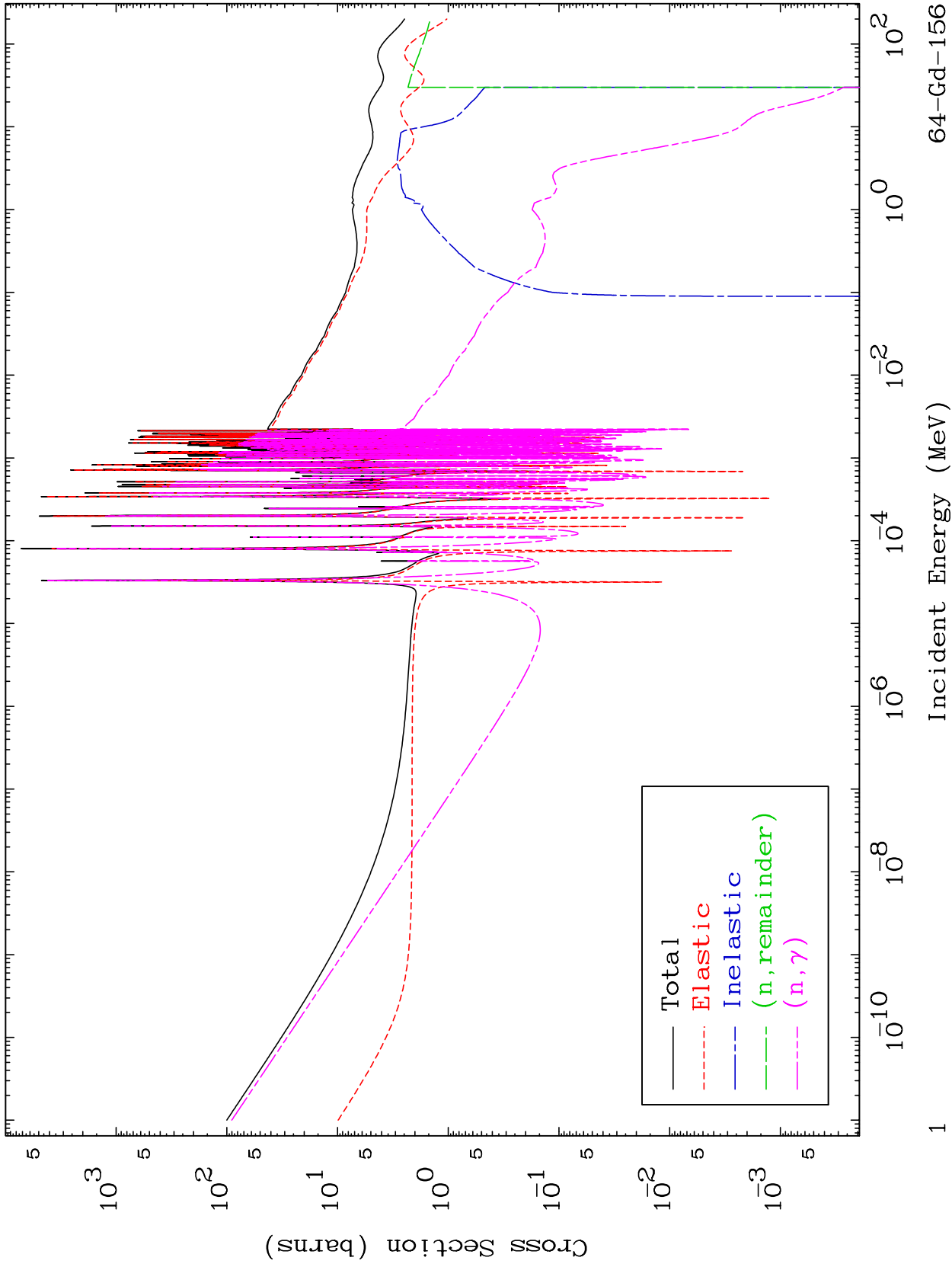
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6437

Major
293 Kelvin Cross Sections

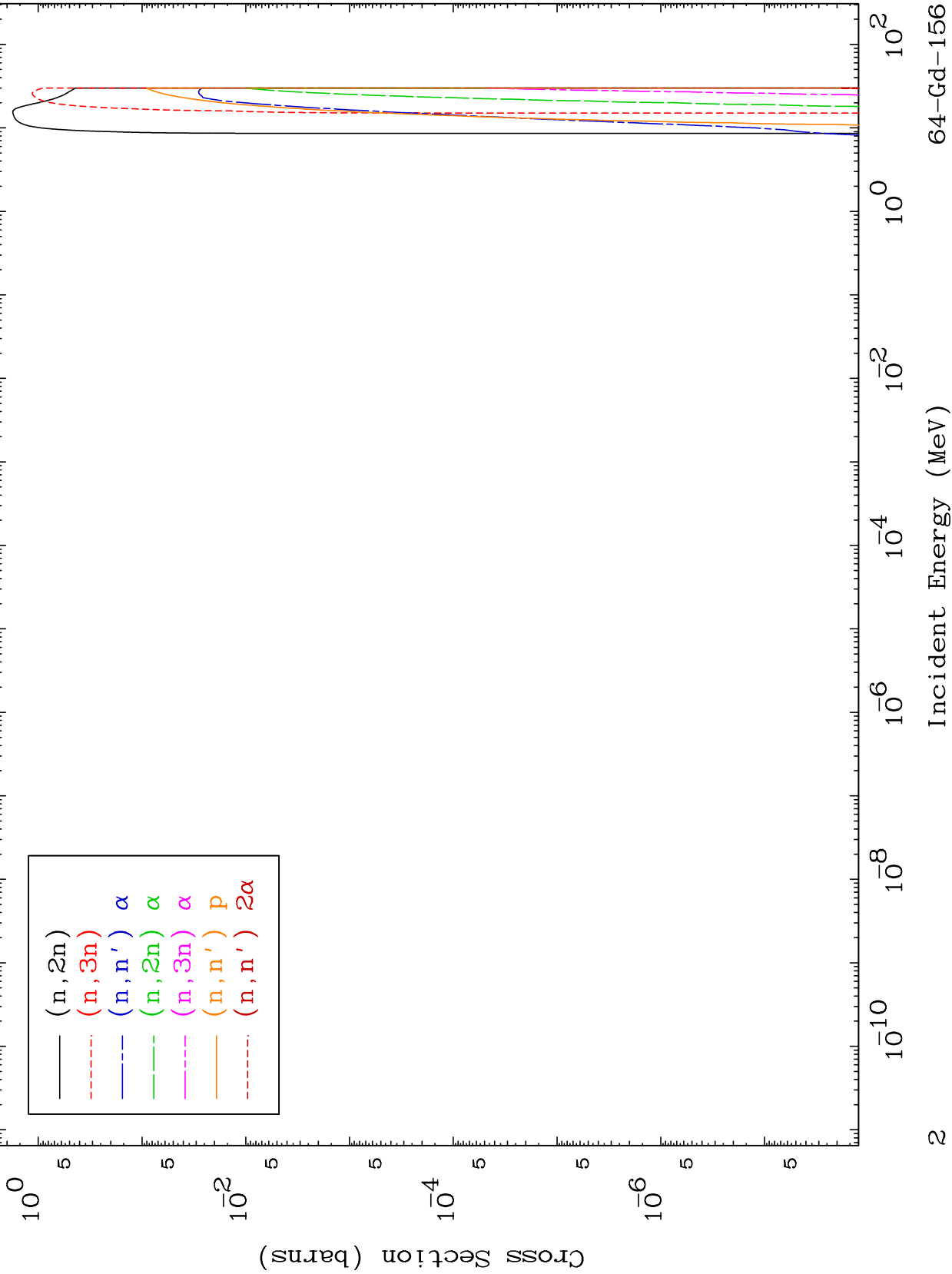
64-Gd-156

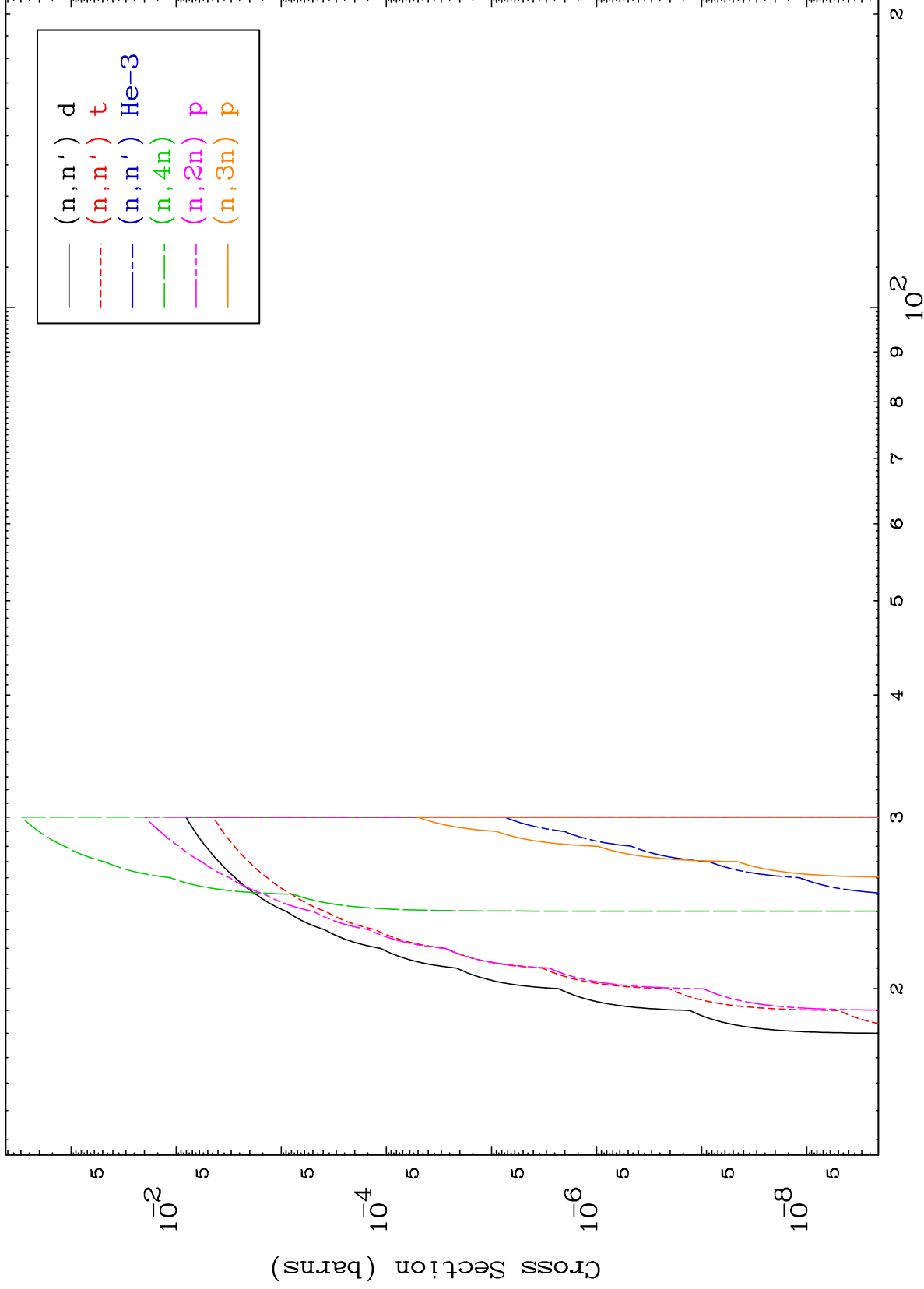


MAT 6437

Neutron Production
293 Kelvin Cross Sections

64-Gd-156

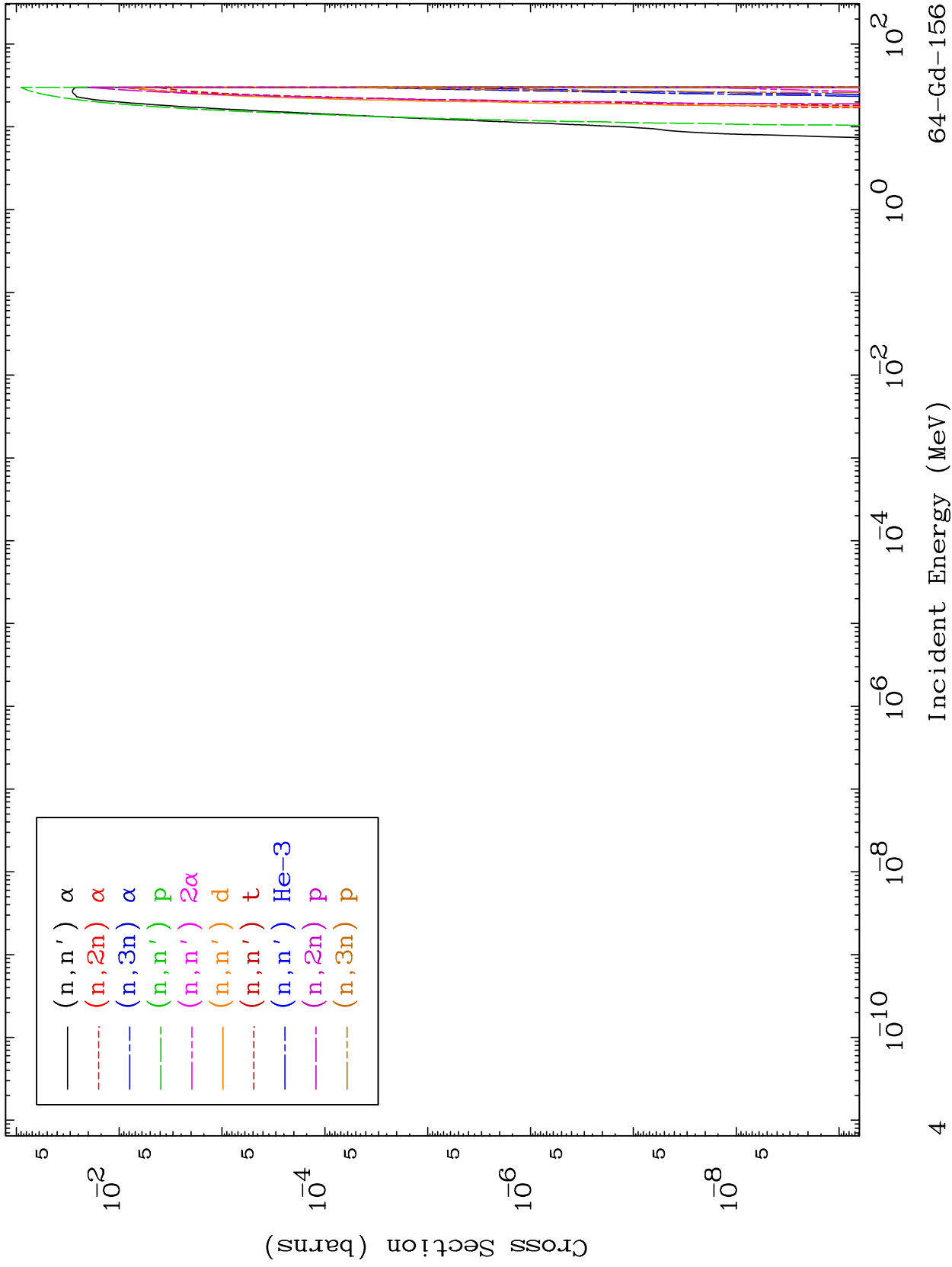




MAT 6437

Charged Particle
293 Kelvin Cross Sections

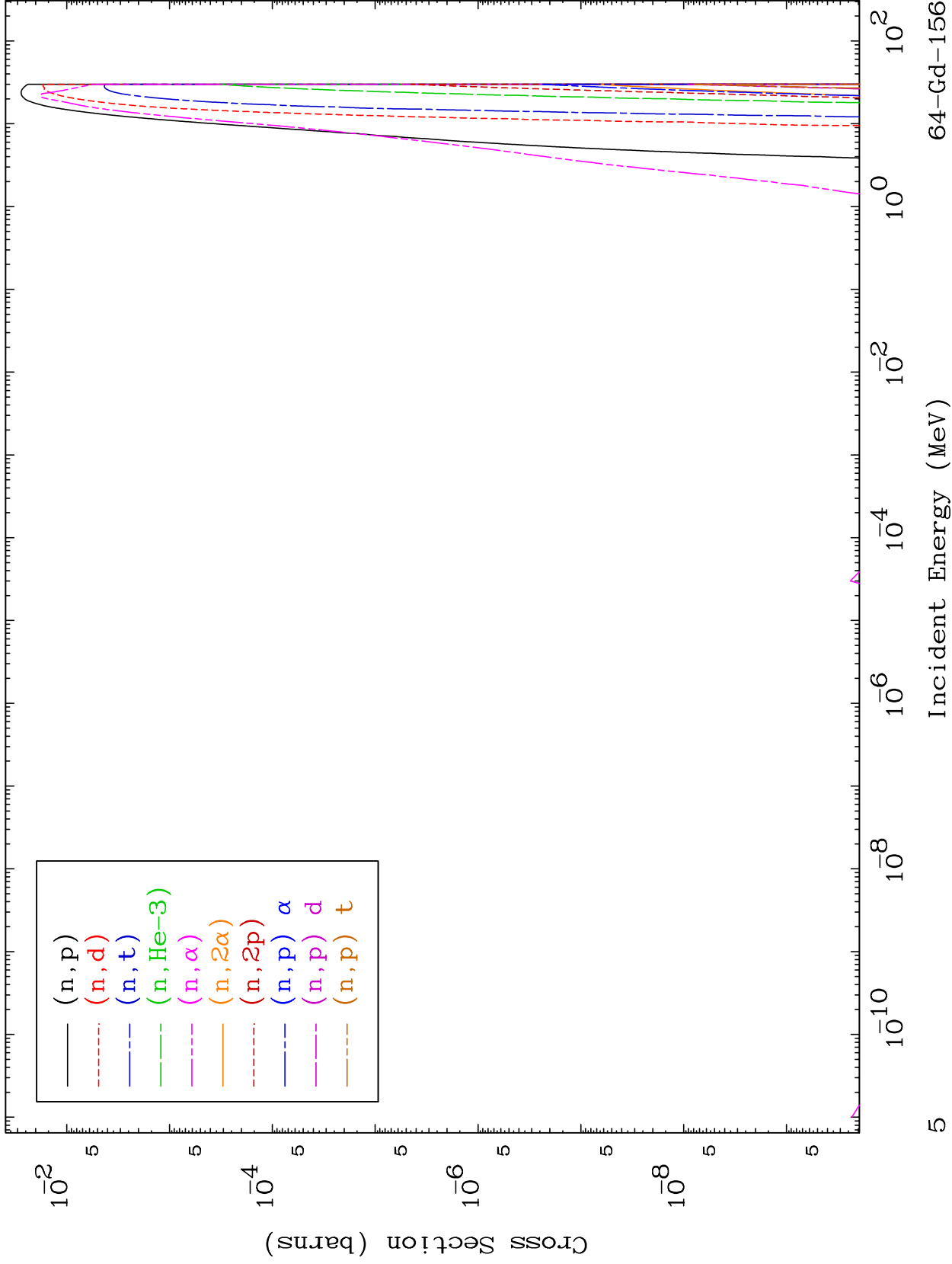
64-Gd-156



MAT 6437

Charged Particle
293 Kelvin Cross Sections

64-Gd-156



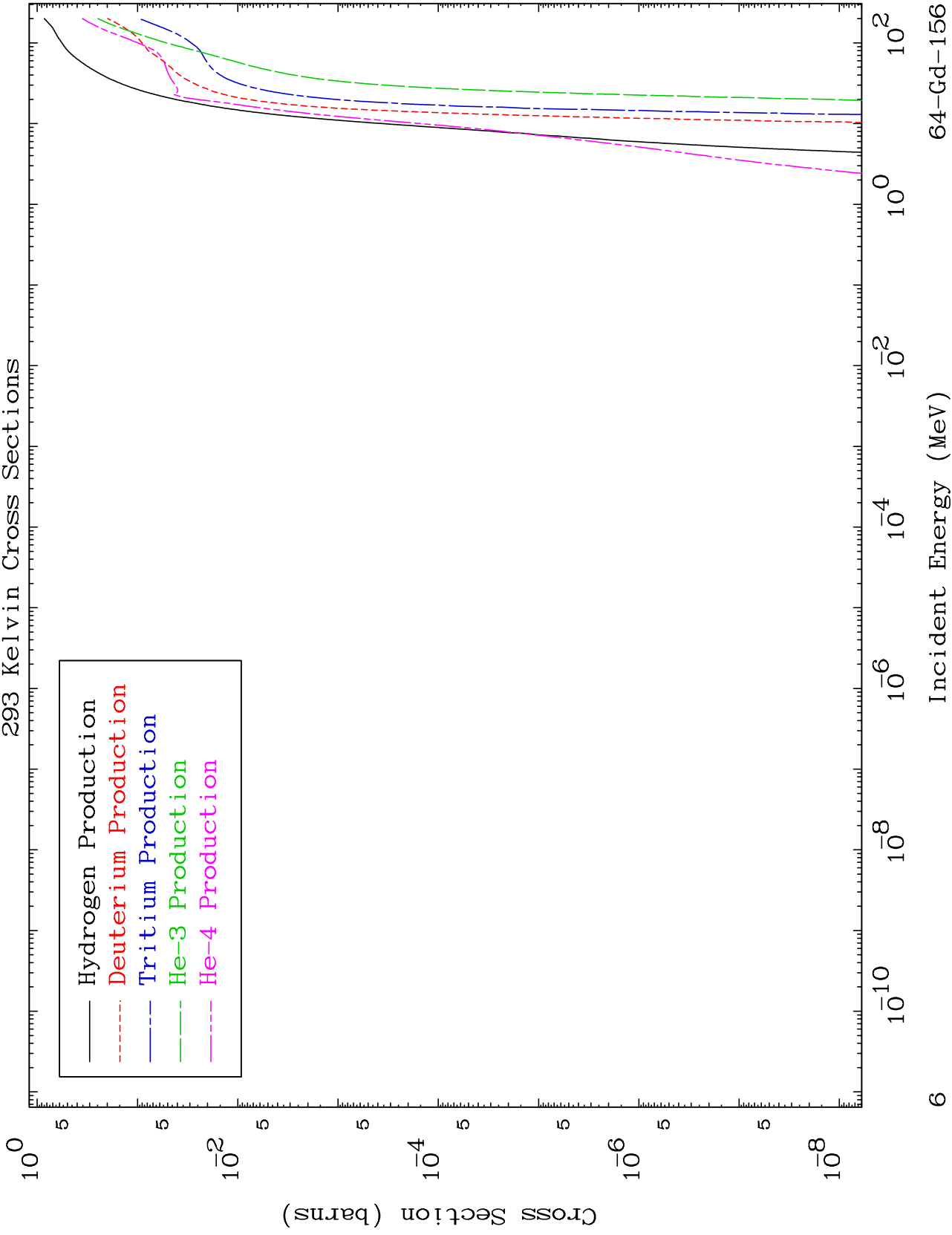
5

64-Gd-156

MAT 6437

Particle Production
293 Kelvin Cross Sections

64-Gd-156

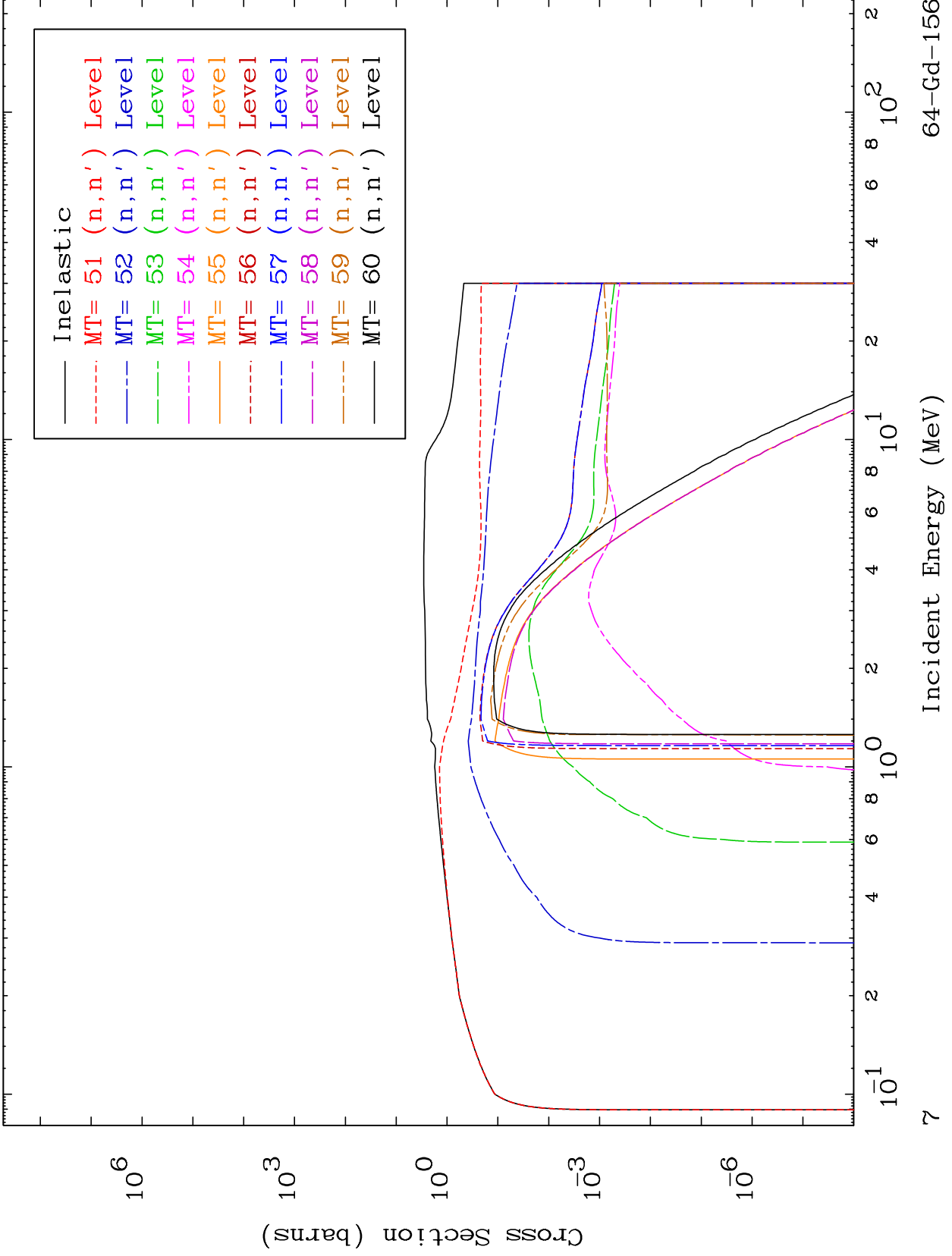


MAT 6437

(n,n') Level

64-Gd-156

293 Kelvin Cross Sections



MAT 6437

(n,n') Level

64-Gd-156

293 Kelvin Cross Sections

64-Gd-156

10^6

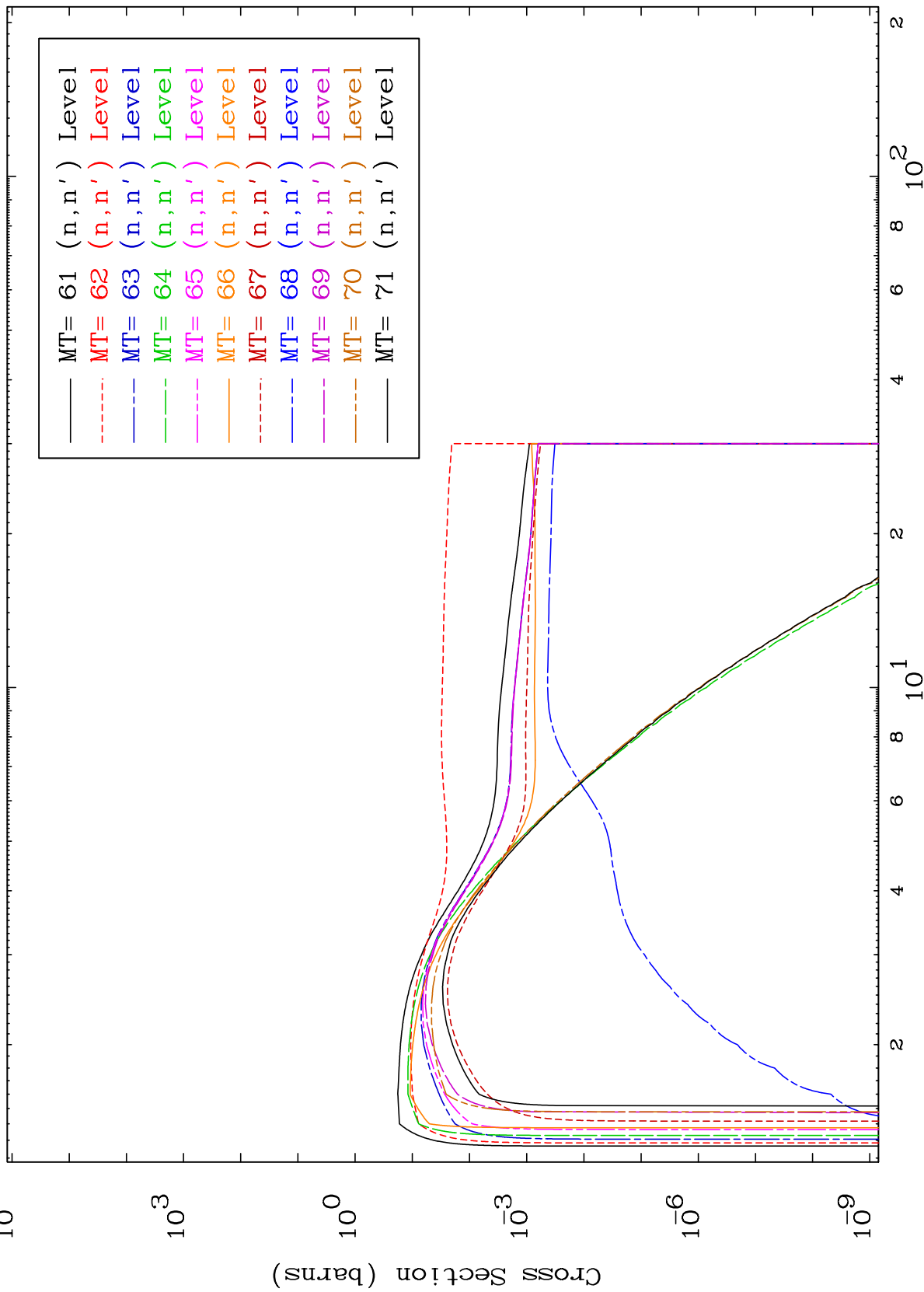
10^3

10^0

10^{-3}

10^{-6}

10^{-9}



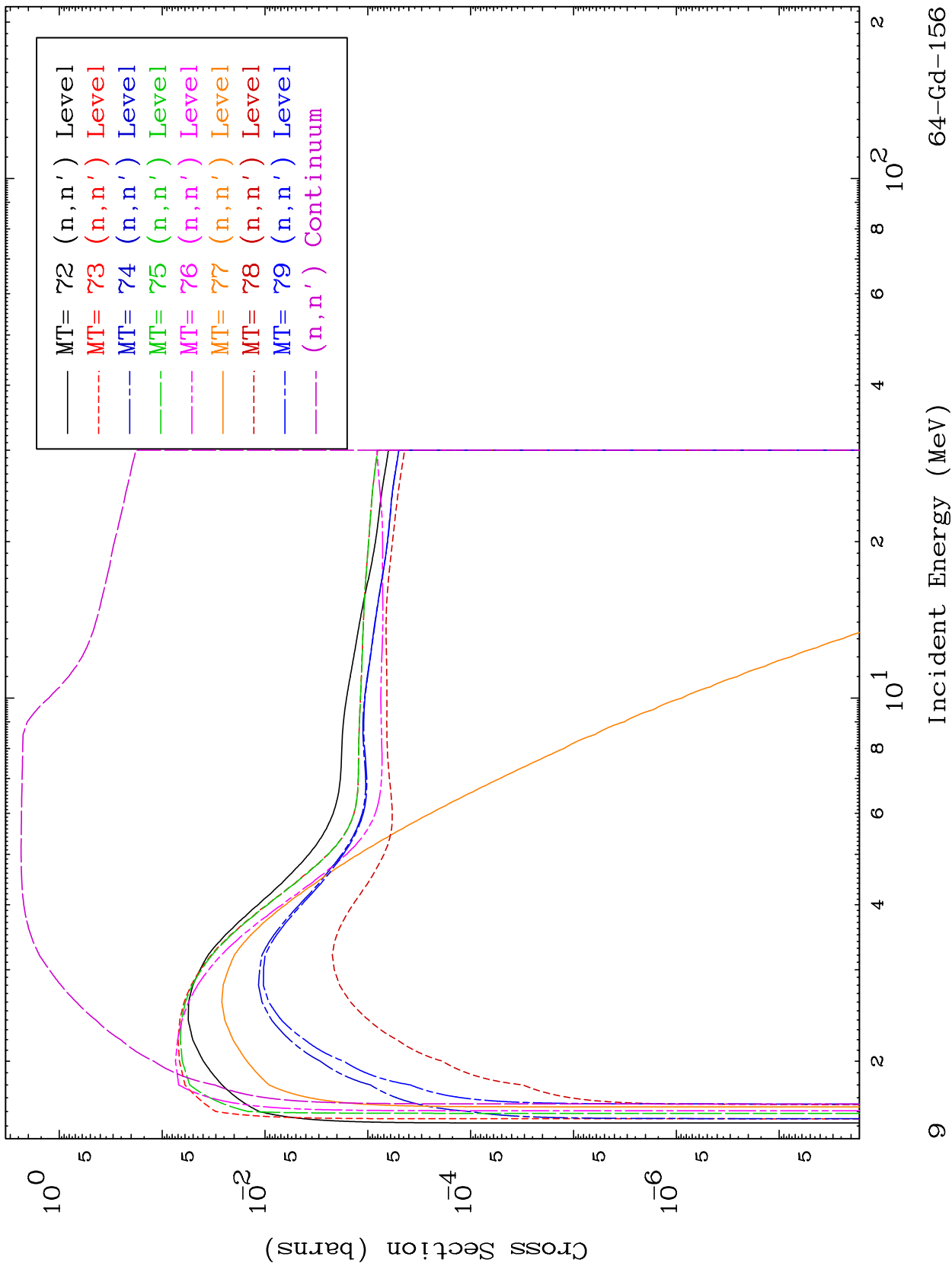
MT=	(n, n')	Level
61	(n, n')	Level
62	(n, n')	Level
63	(n, n')	Level
64	(n, n')	Level
65	(n, n')	Level
66	(n, n')	Level
67	(n, n')	Level
68	(n, n')	Level
69	(n, n')	Level
70	(n, n')	Level
71	(n, n')	Level

8

Incident Energy (MeV)

64-Gd-156

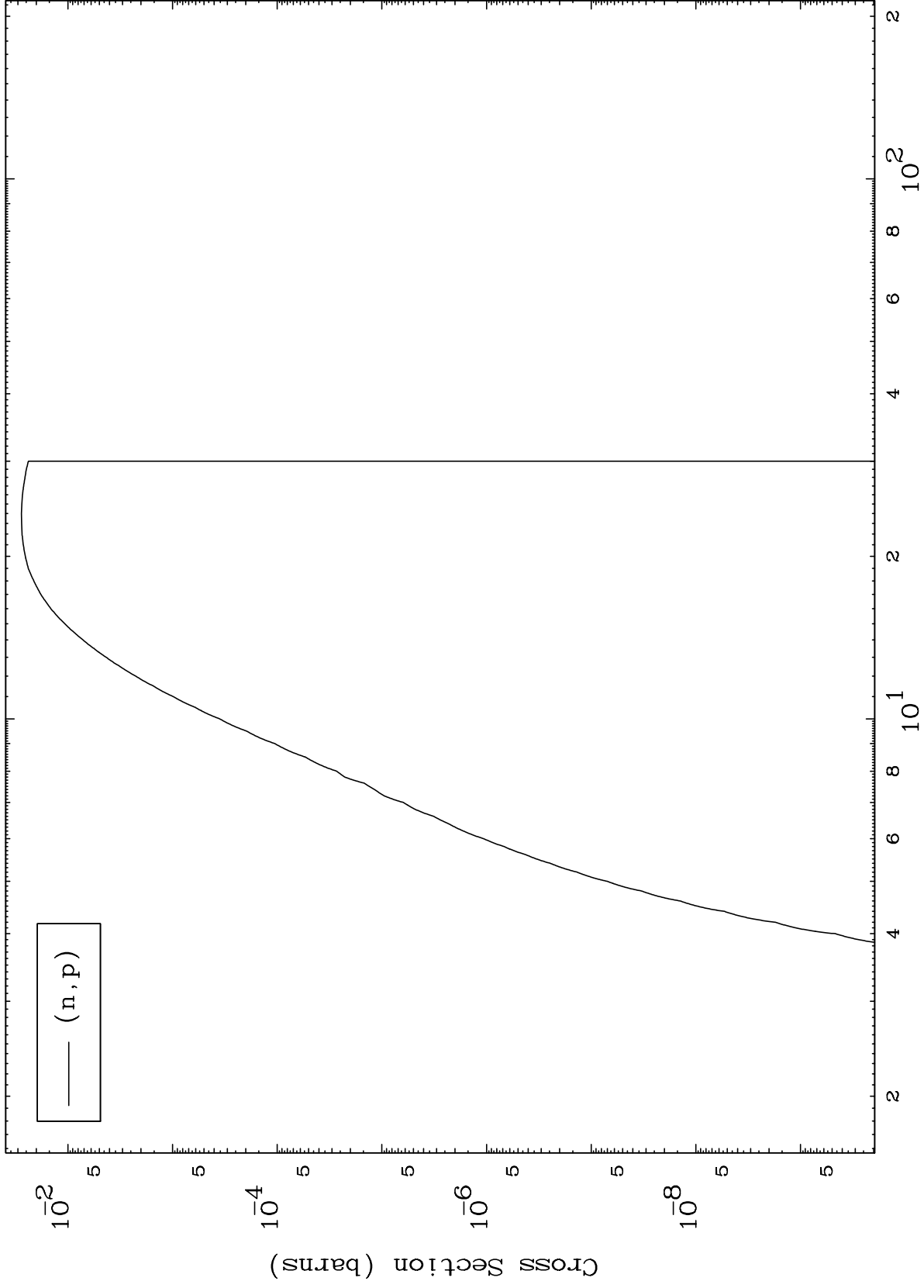
293 Kelvin Cross Sections



MAT 6437

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-156



10

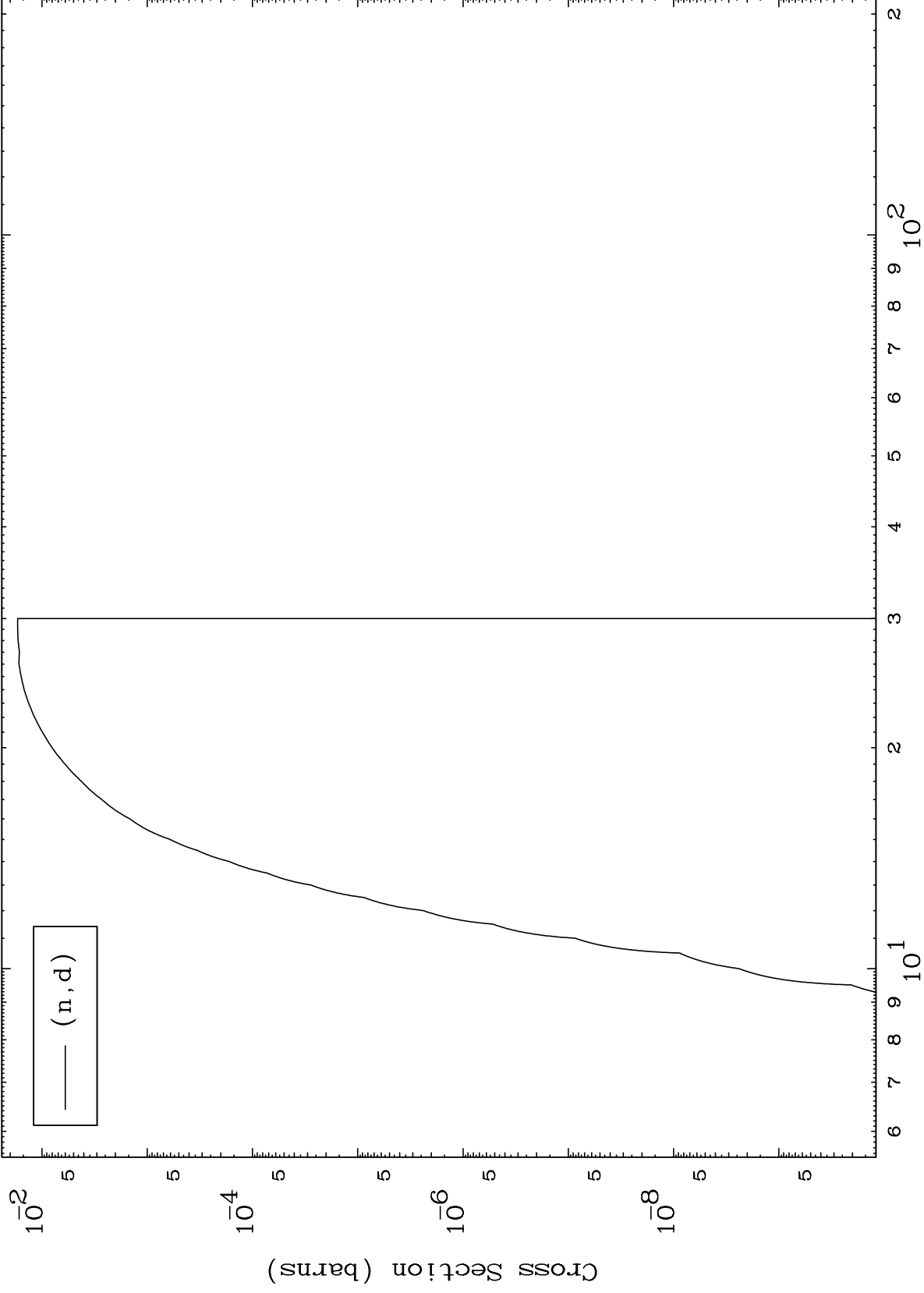
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-156



11

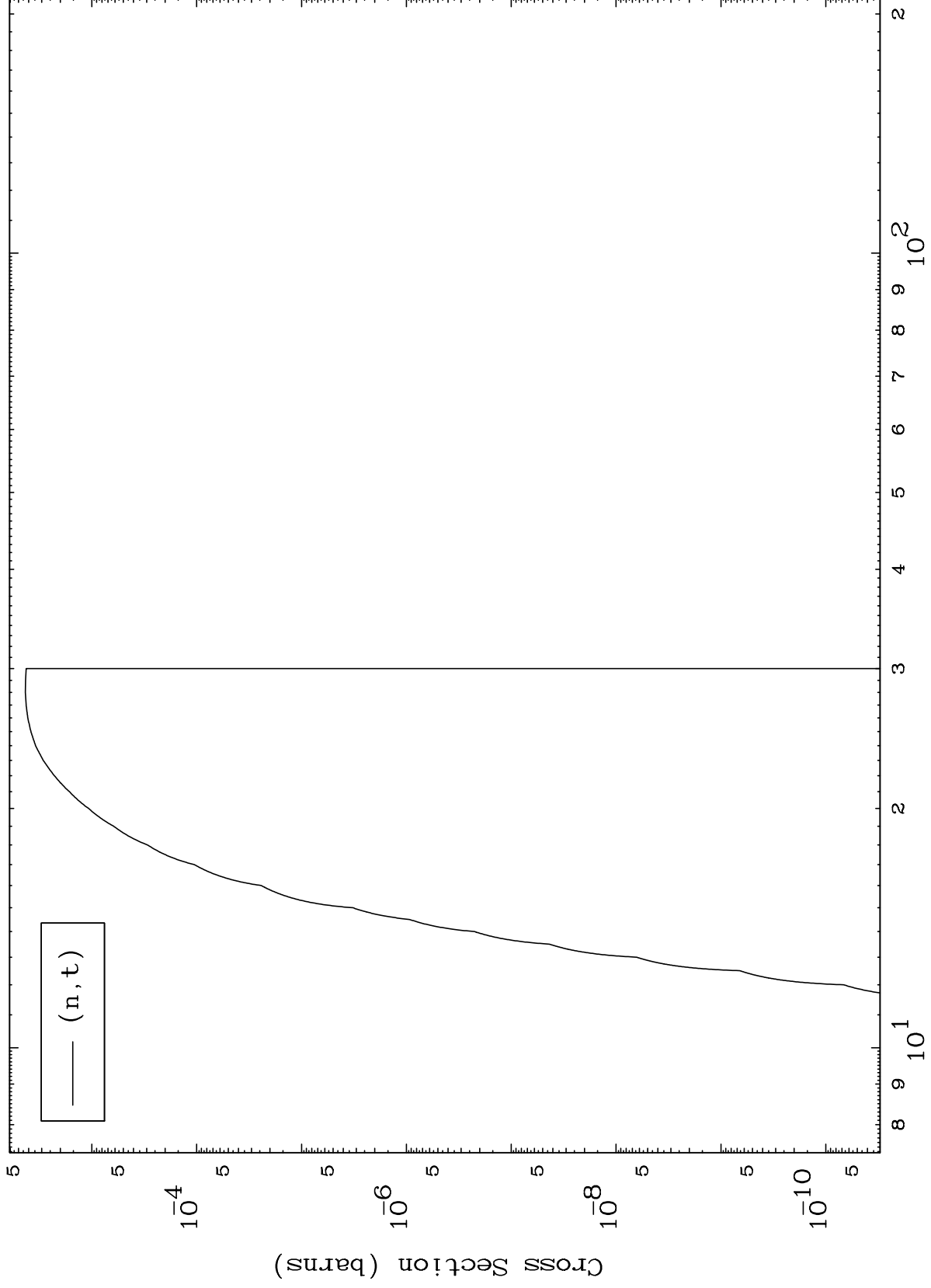
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-156



12

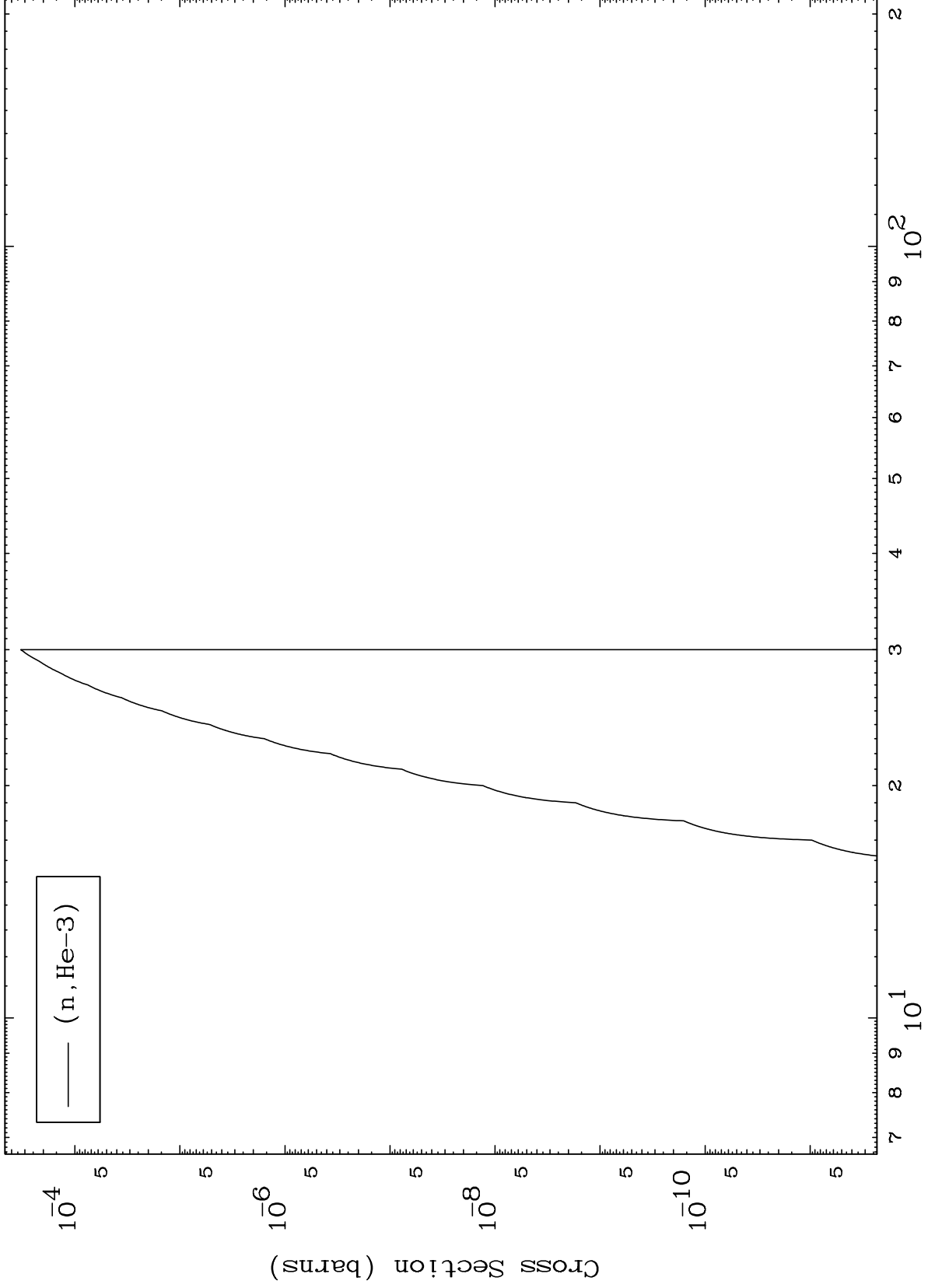
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-156



13

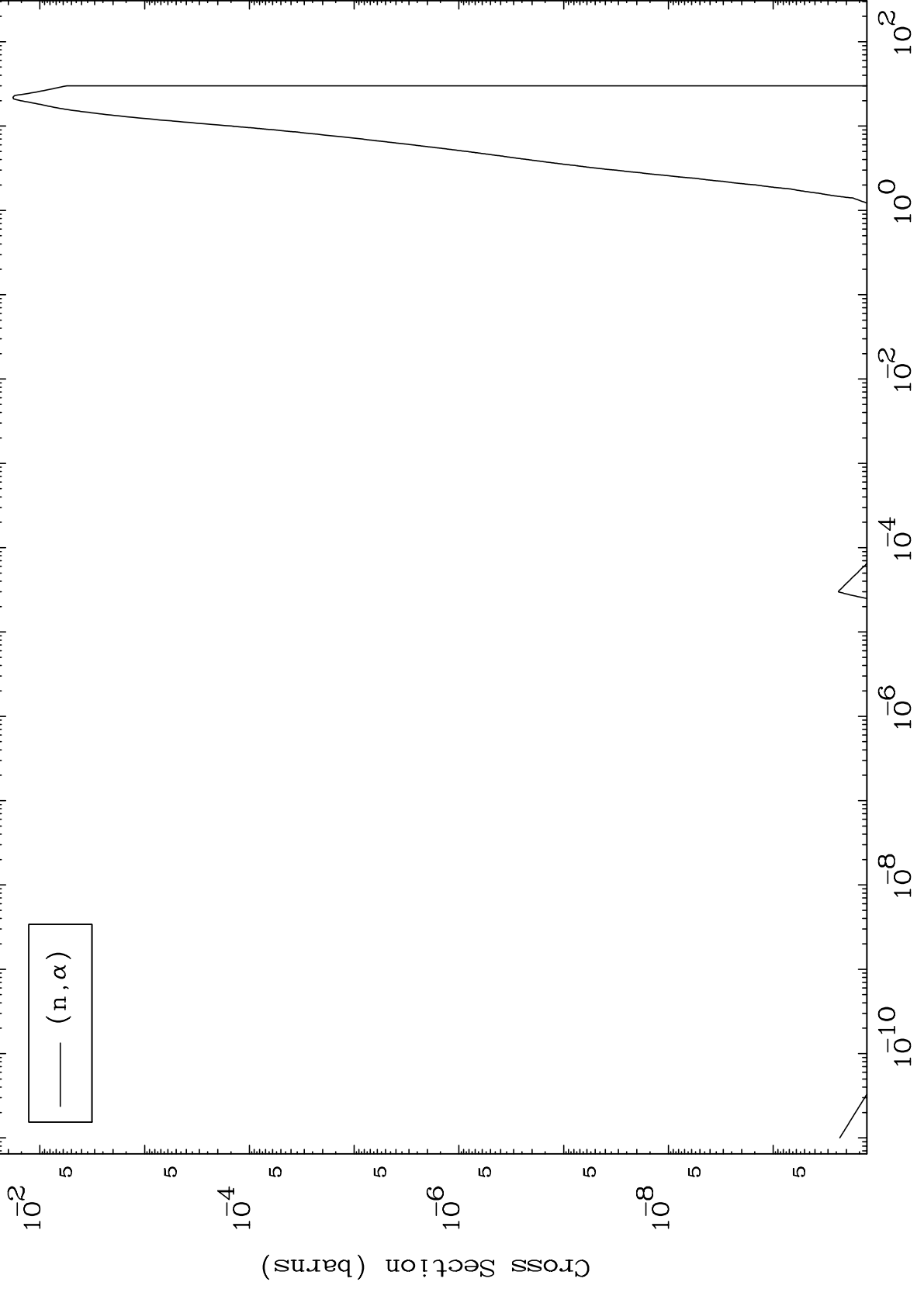
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n, α) Levels
293 Kelvin Cross Sections

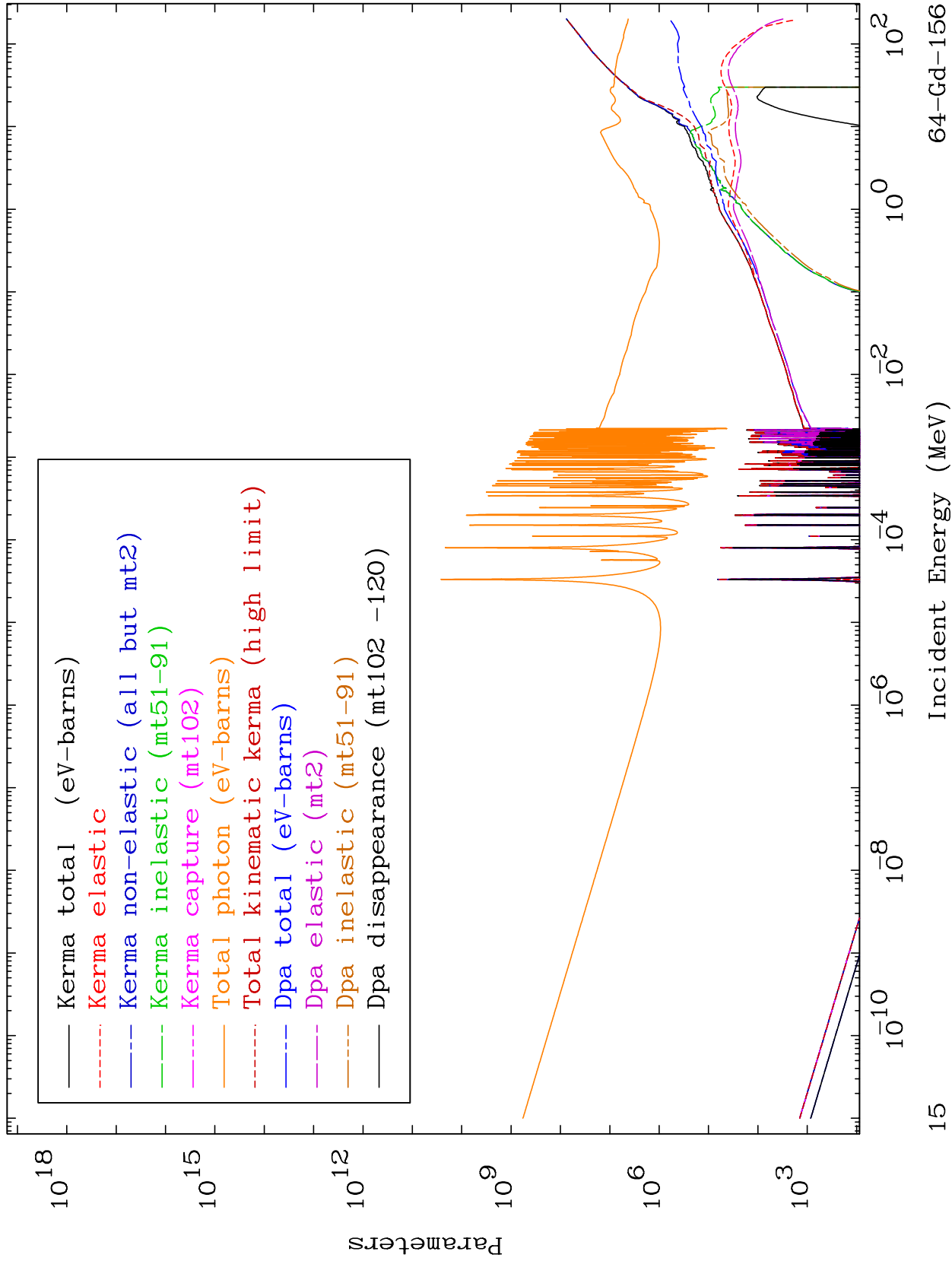
64-Gd-156



14

Incident Energy (MeV)

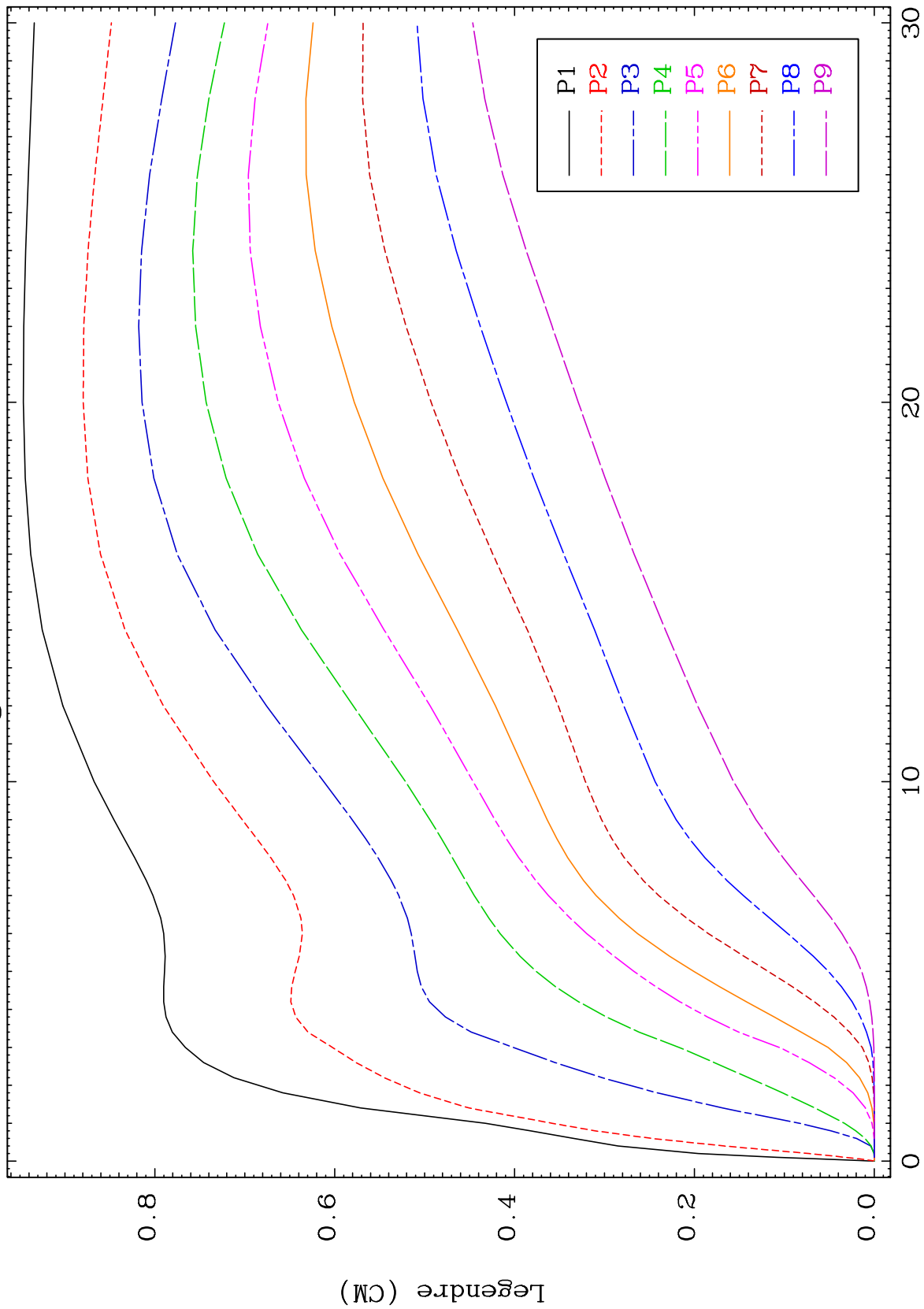
64-Gd-156



MAT 6437

Elastic Legendre Coefficients

64-Gd-156



16

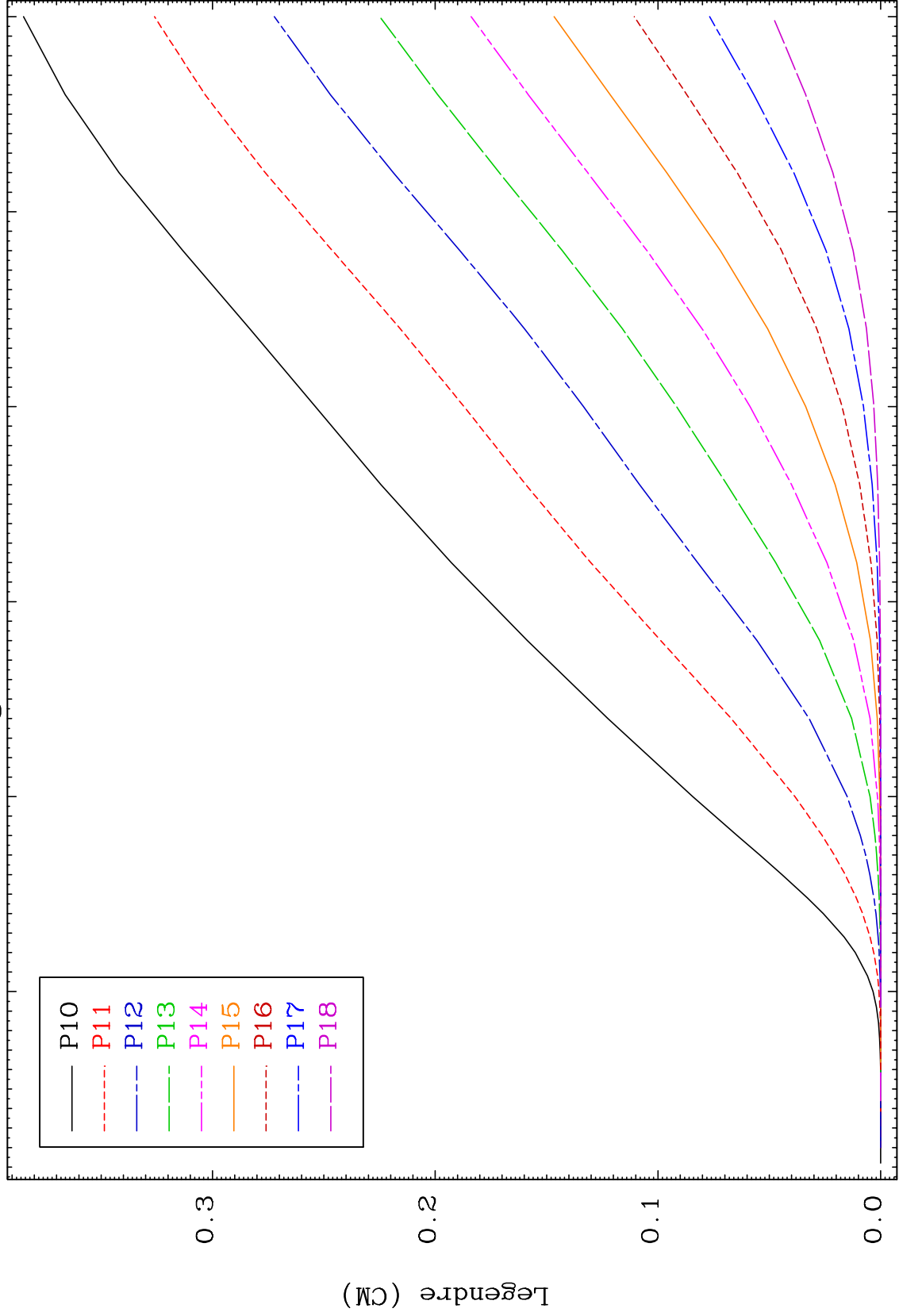
Incident Energy (MeV)

64-Gd-156

MAT 6437

Elastic Legendre Coefficients

64-Gd-156



17

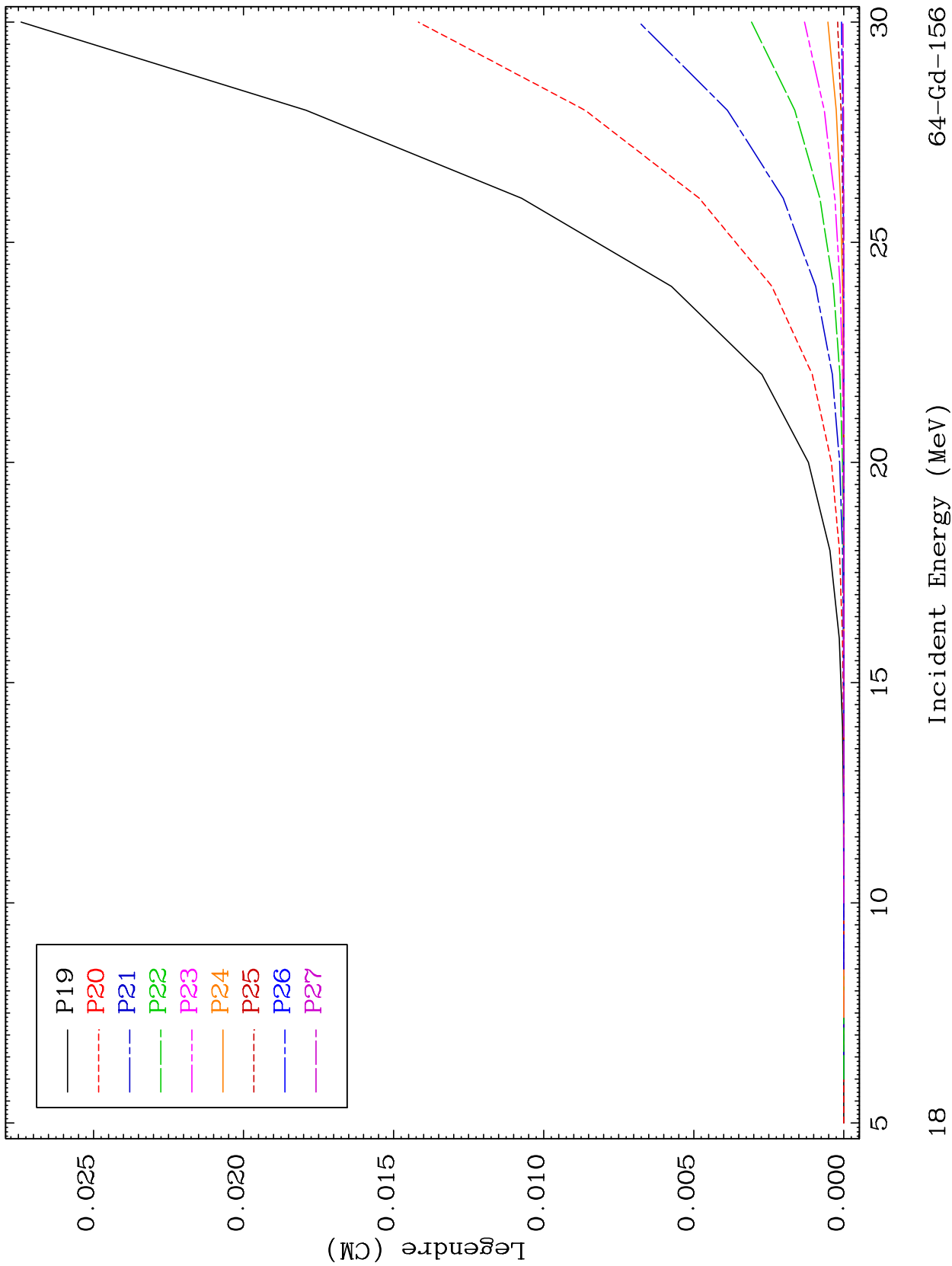
Incident Energy (MeV)

64-Gd-156

MAT 6437

Elastic Legendre Coefficients

64-Gd-156



18

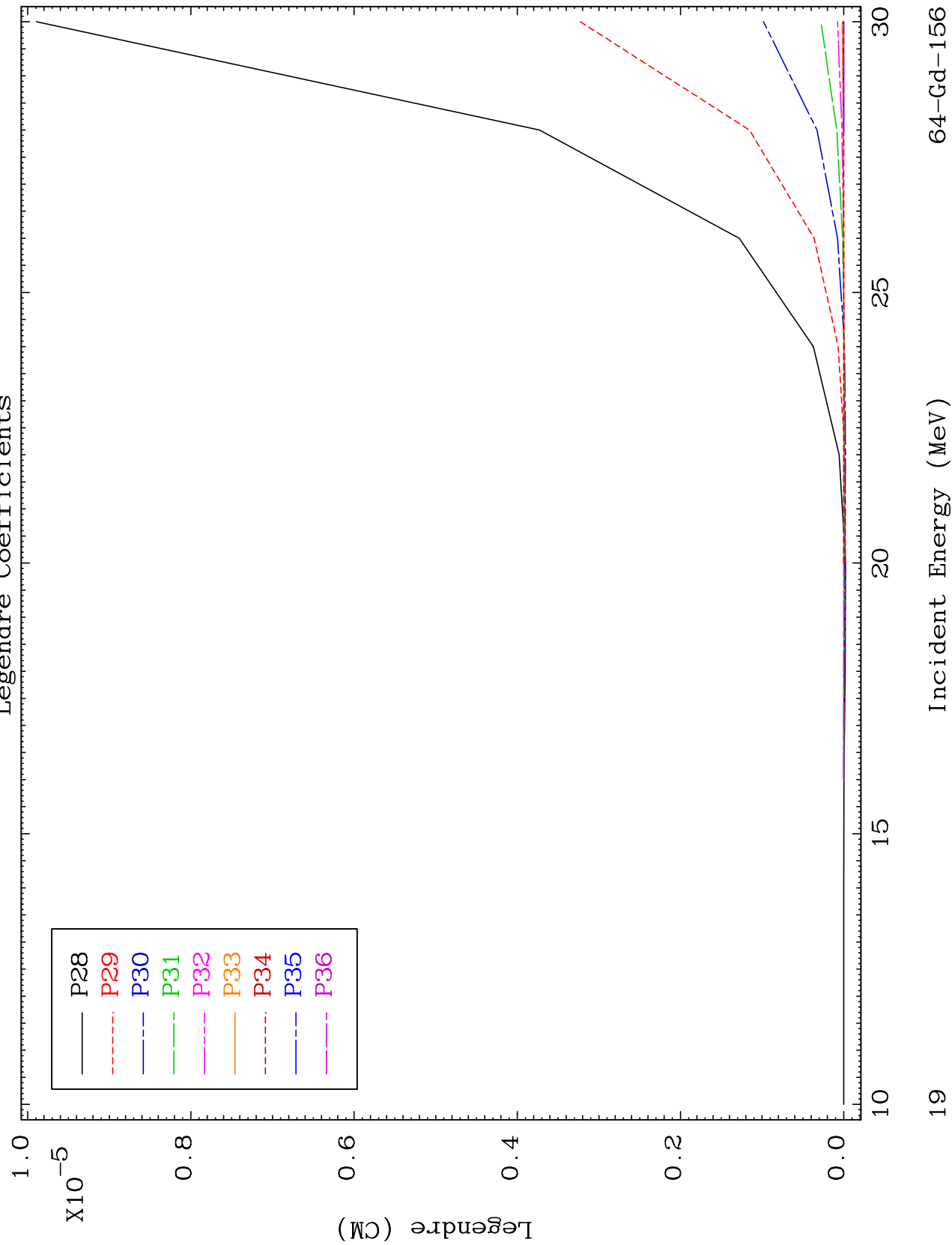
Incident Energy (MeV)

64-Gd-156

MAT 6437

Elastic Legendre Coefficients

64-Gd-156



19

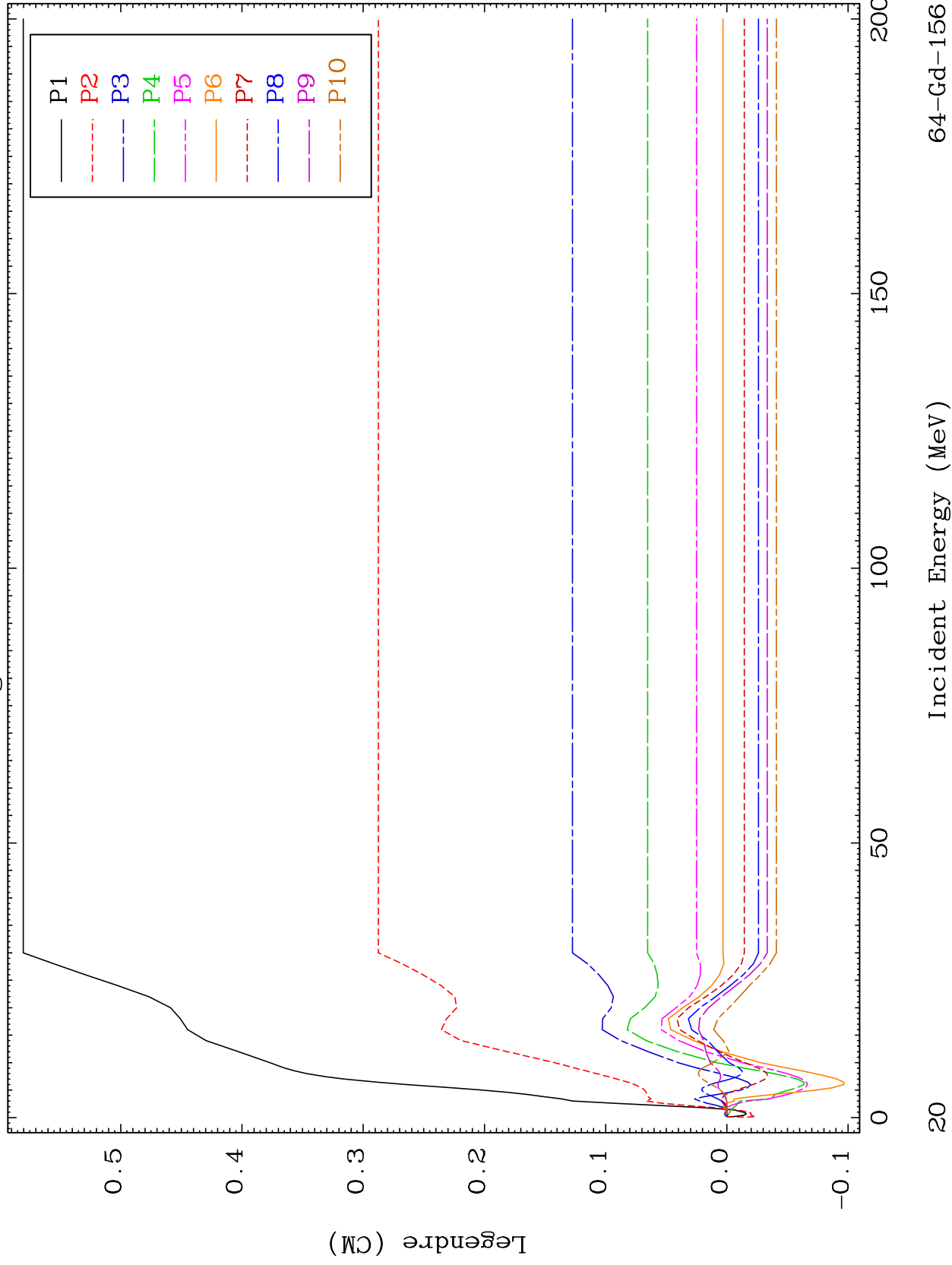
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

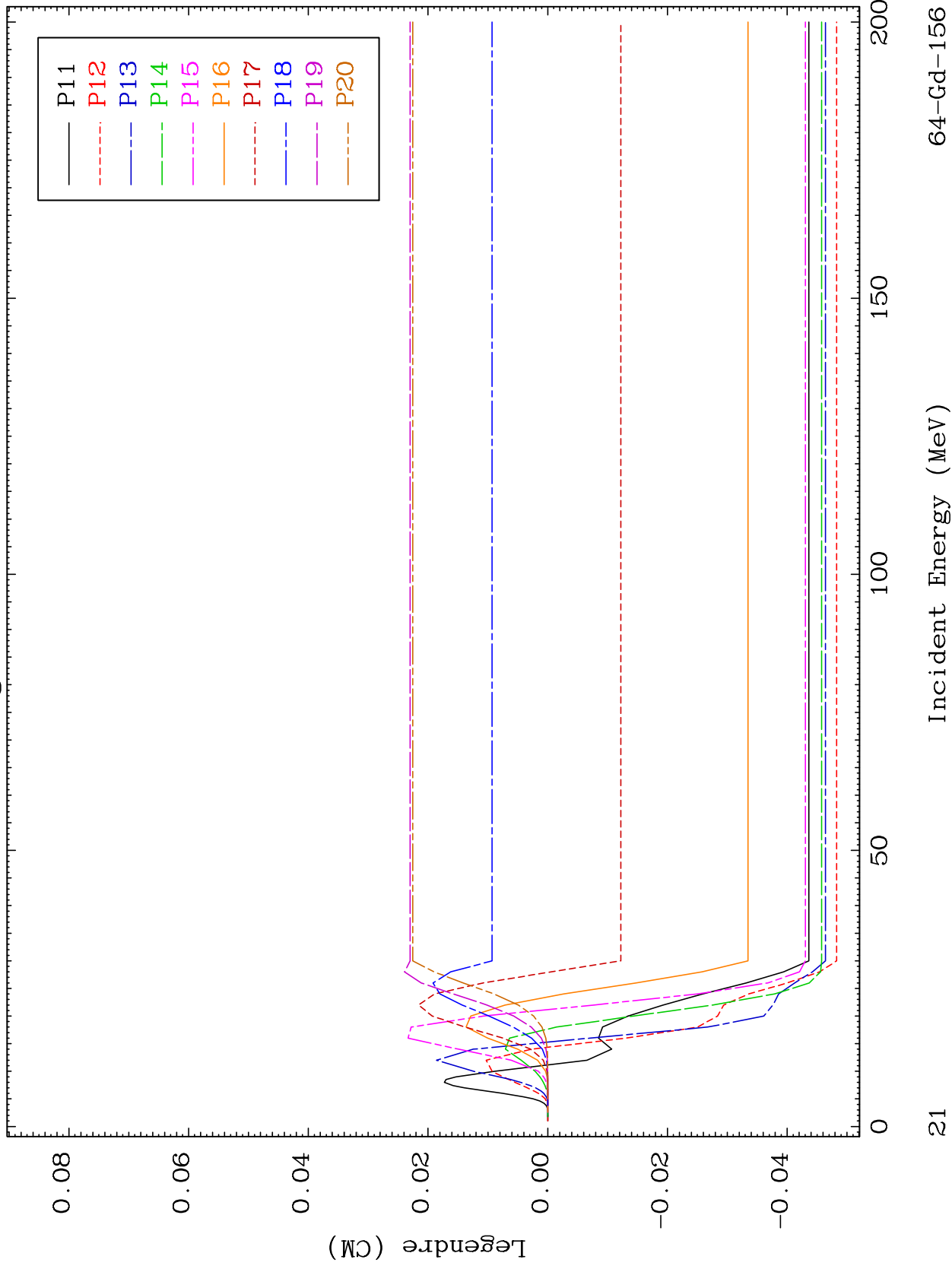
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MAT 6437

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

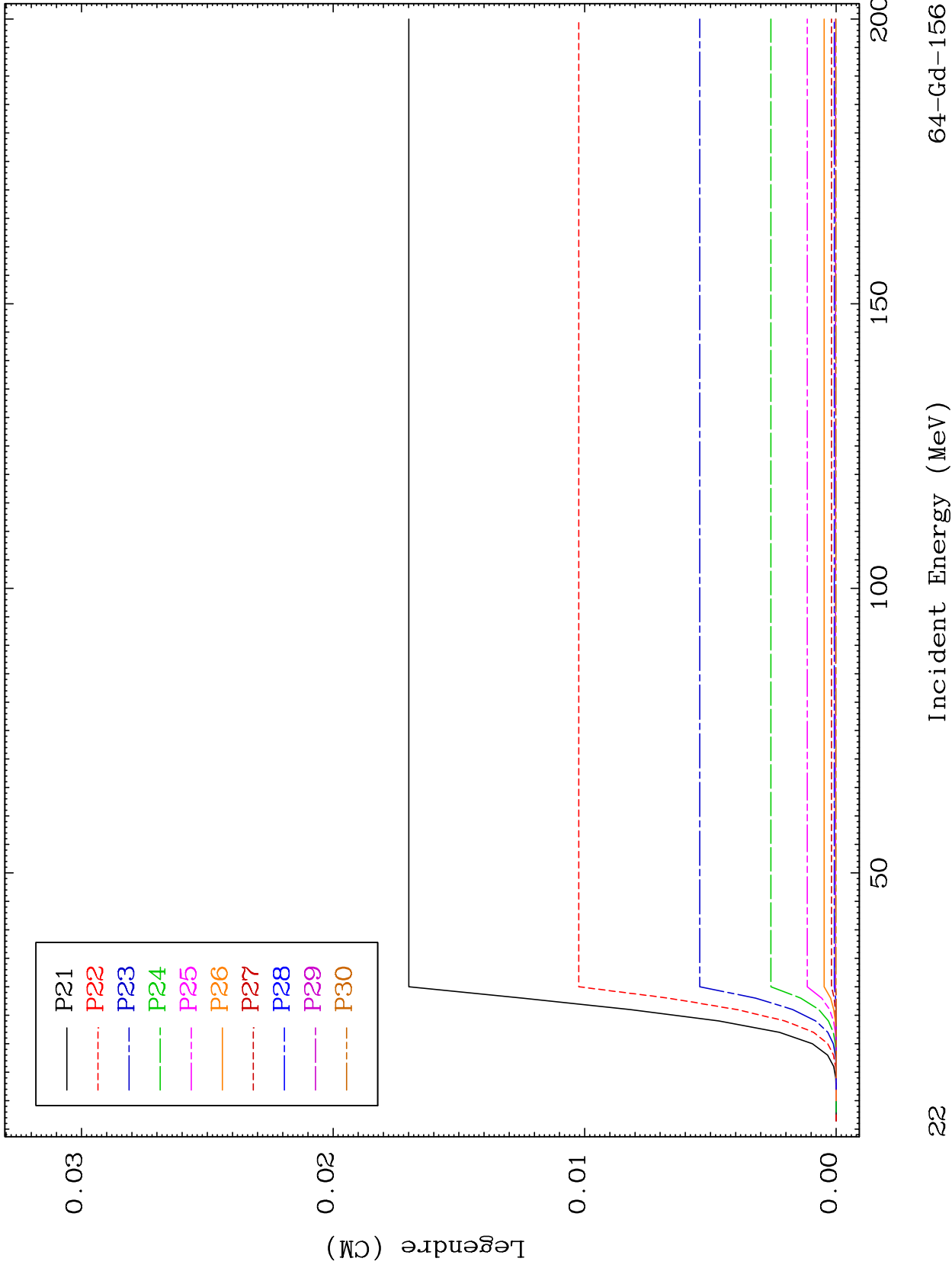
64-Gd-156



64-Gd-156

Incident Energy (MeV)

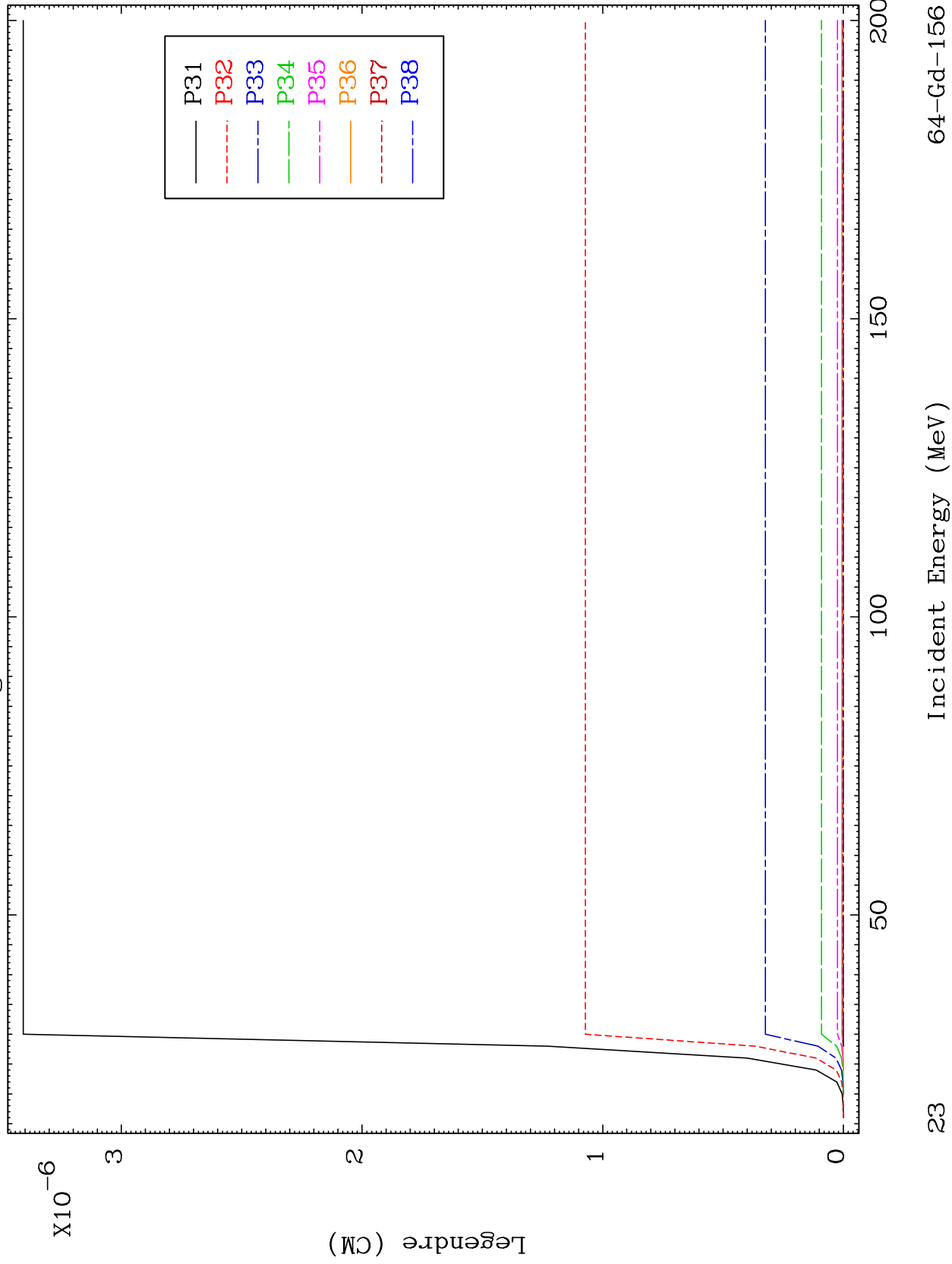
21



MAT 6437

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

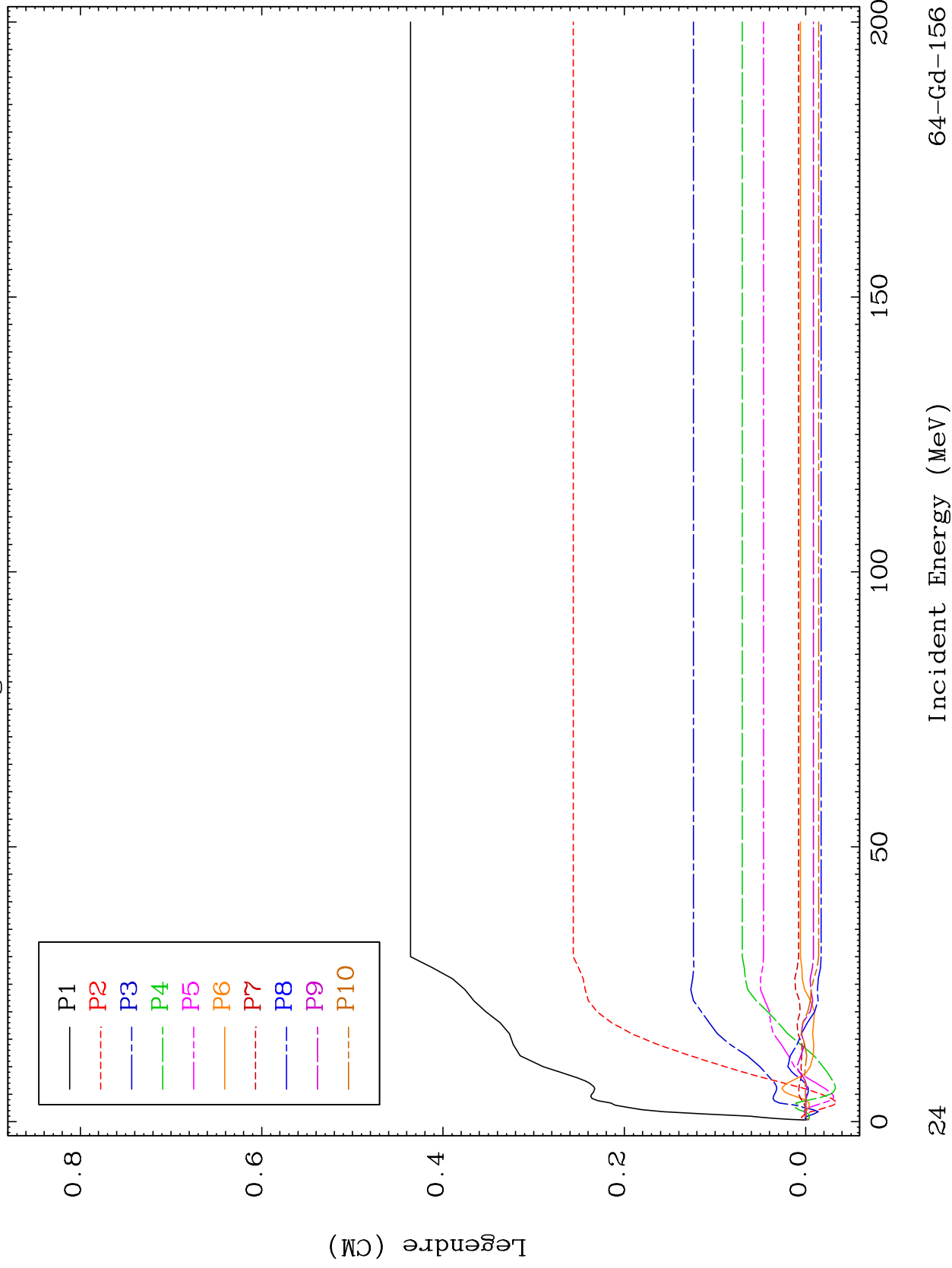
64-Gd-156



MAT 6437

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

64-Gd-156



64-Gd-156

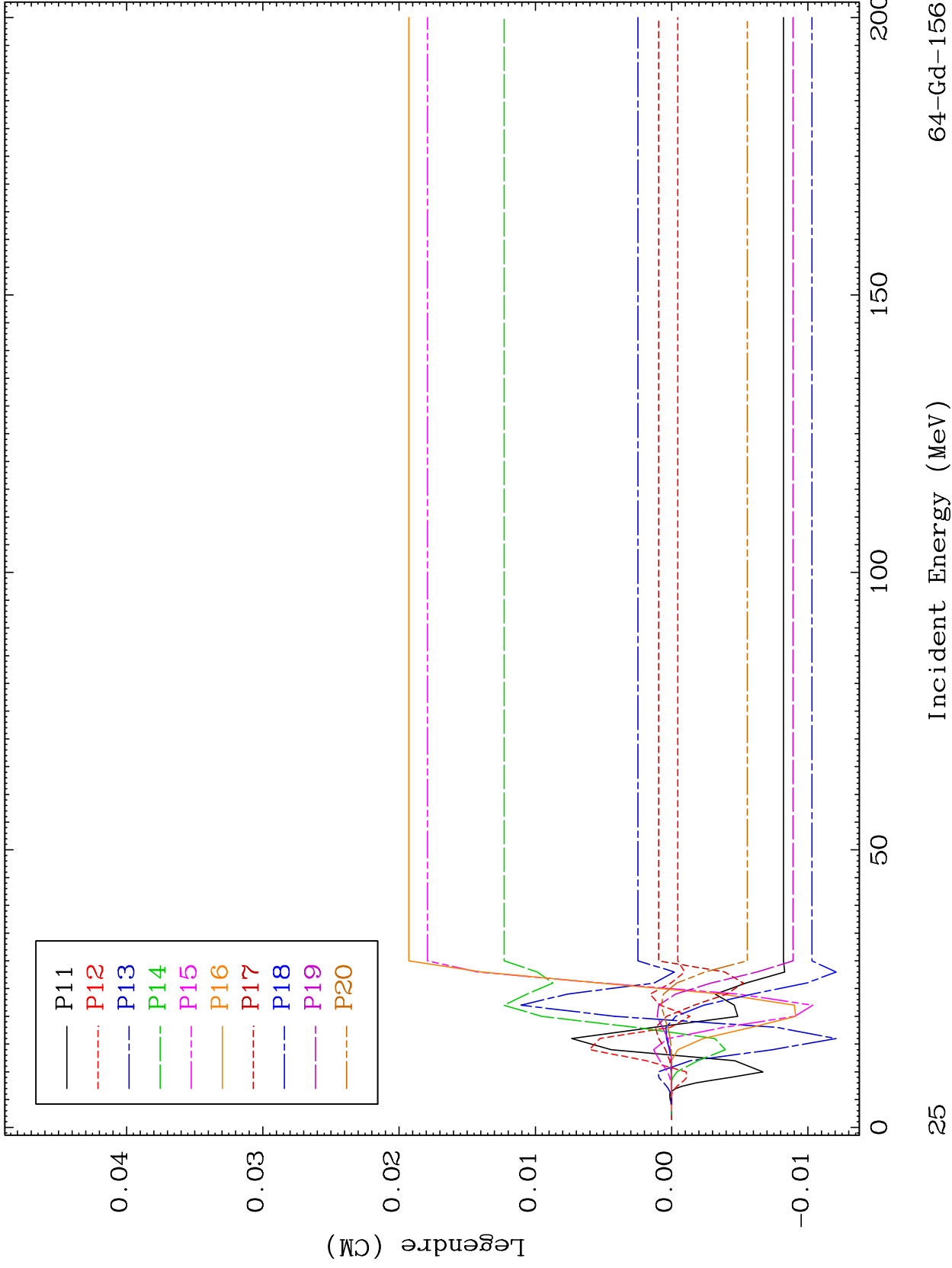
Incident Energy (MeV)

24

MAT 6437

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

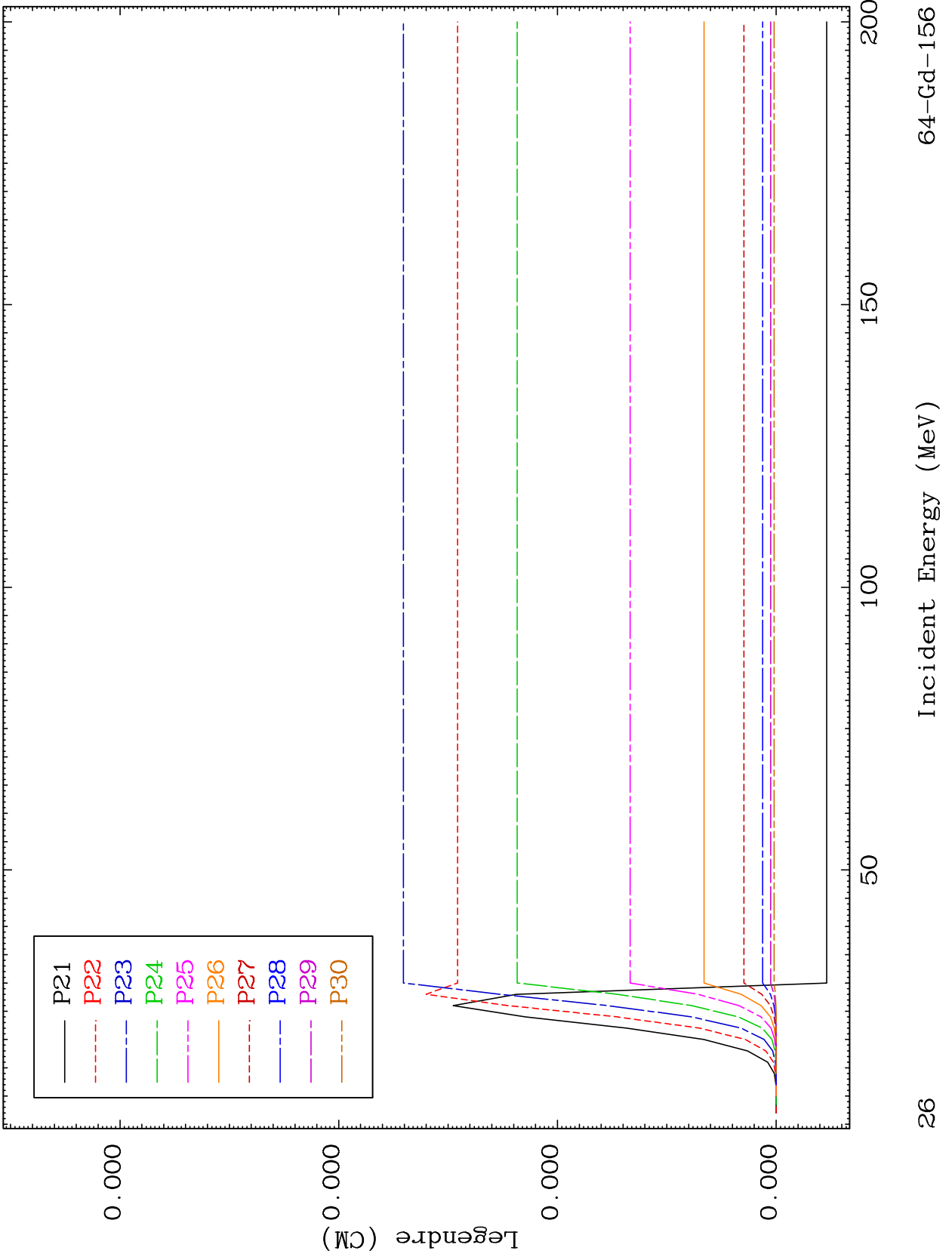
64-Gd-156



64-Gd-156

Incident Energy (MeV)

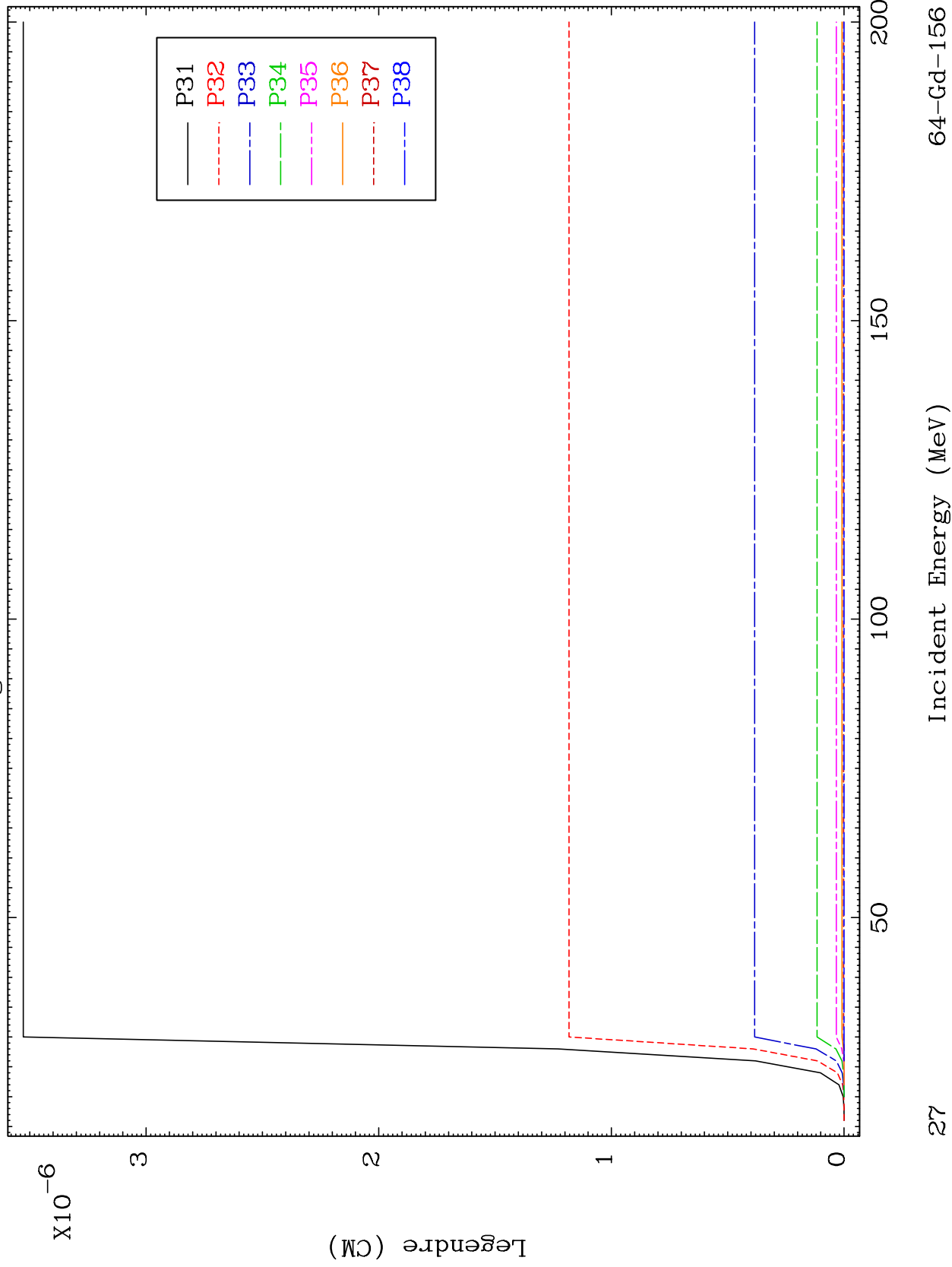
25



MAT 6437

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

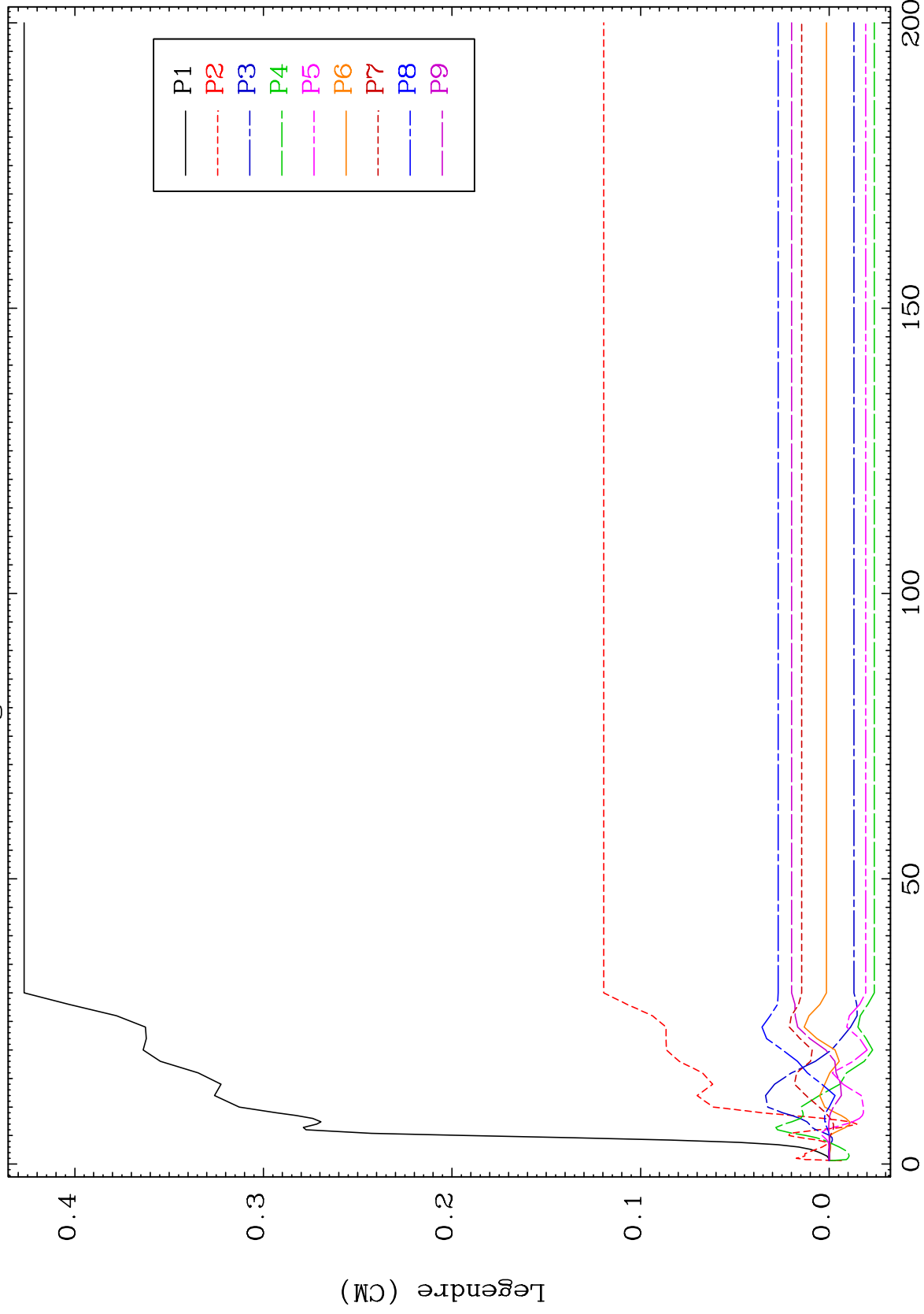
64-Gd-156



MAT 6437

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

64-Gd-156



64-Gd-156

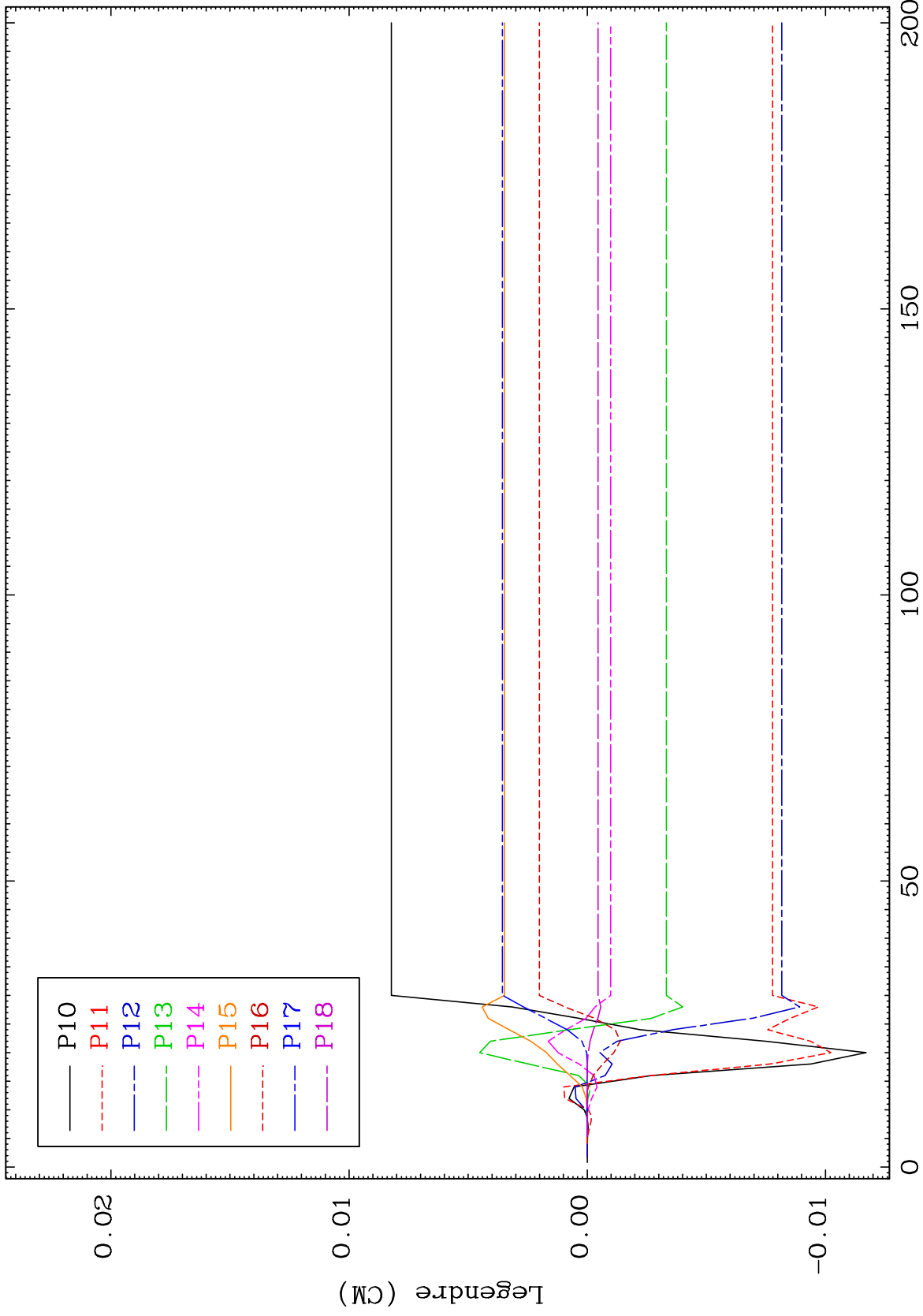
Incident Energy (MeV)

28

MAT 6437

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

64-Gd-156



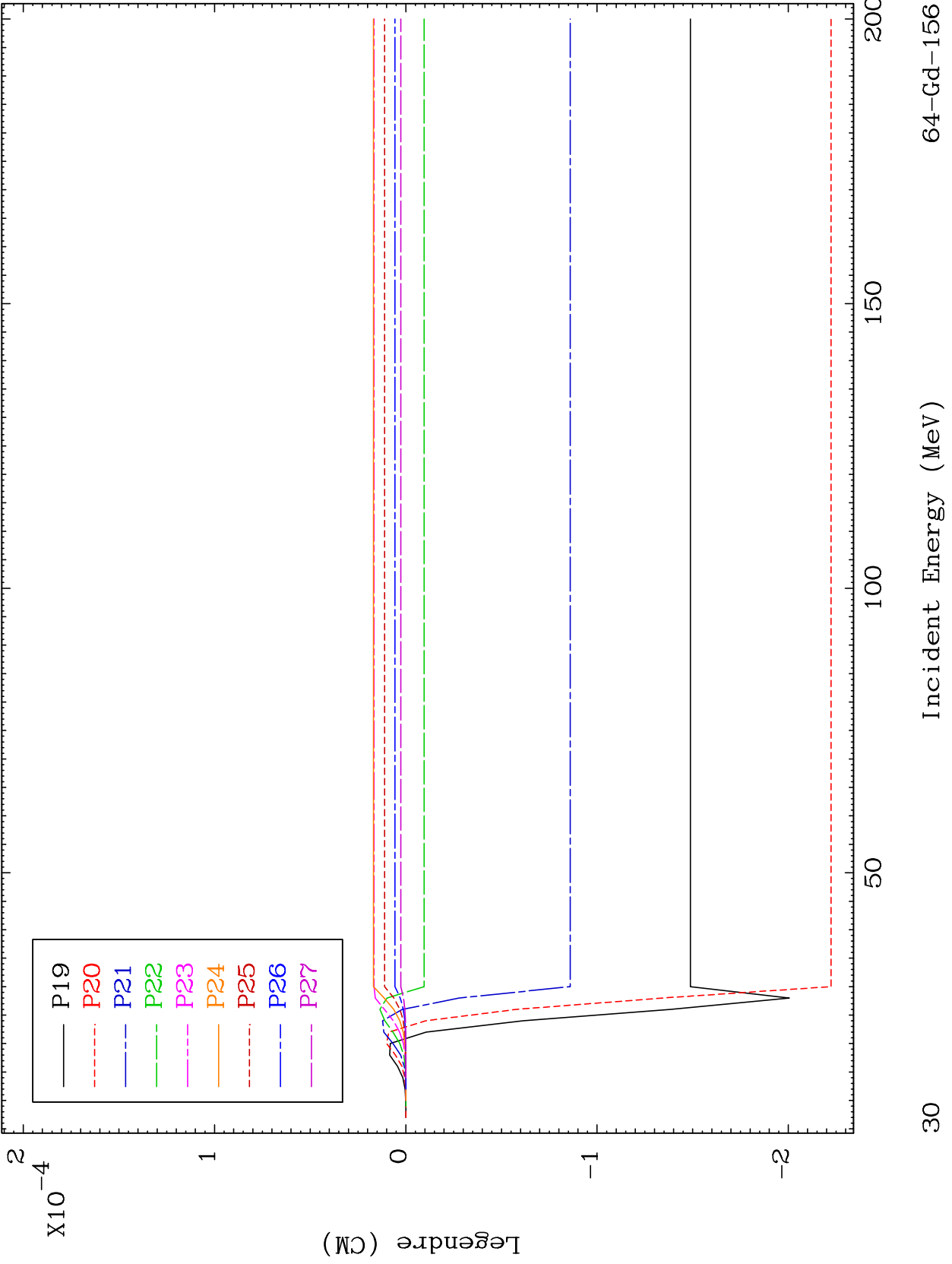
29

64-Gd-156

MAT 6437

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

64-Gd-156



30

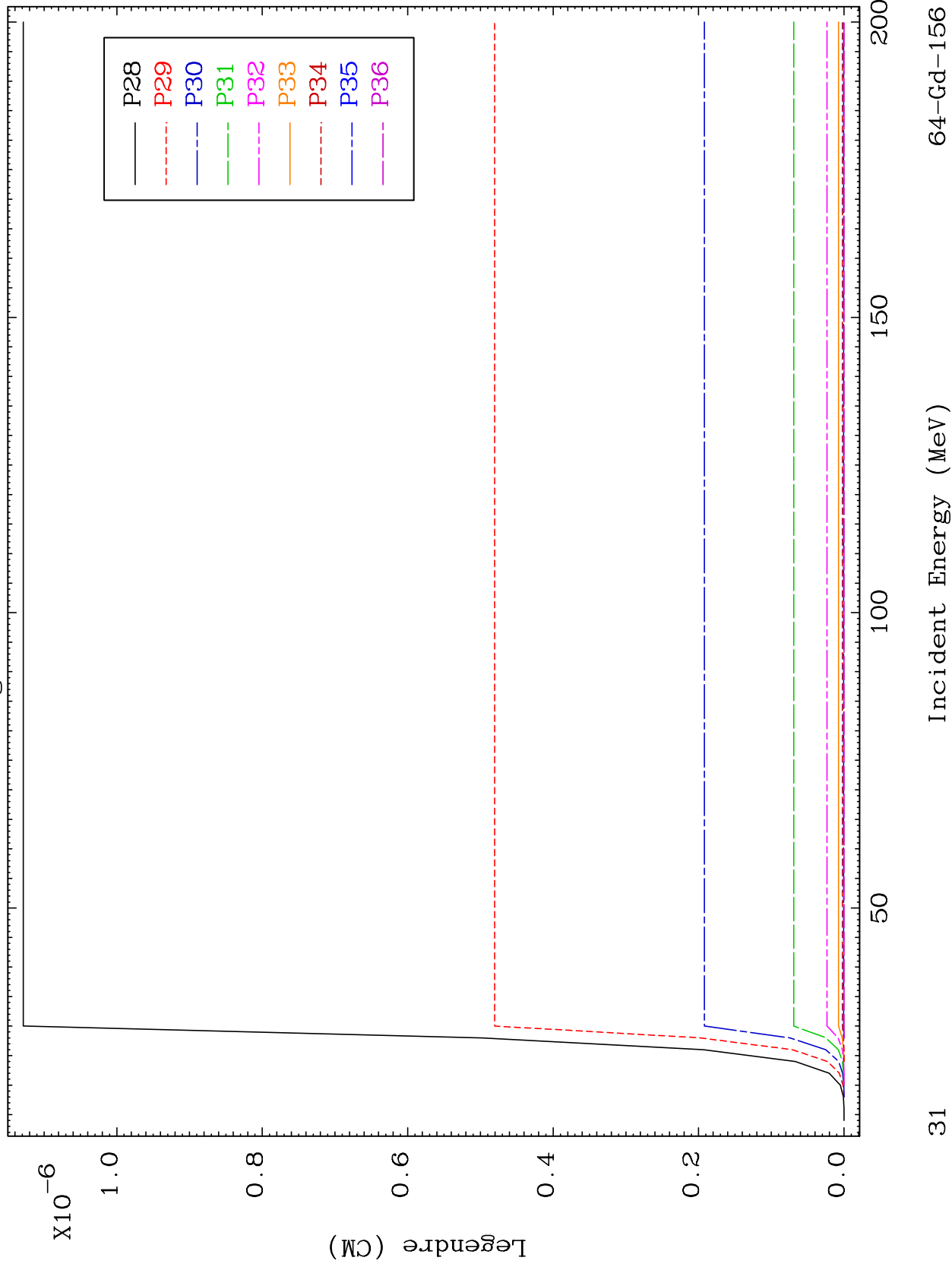
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156

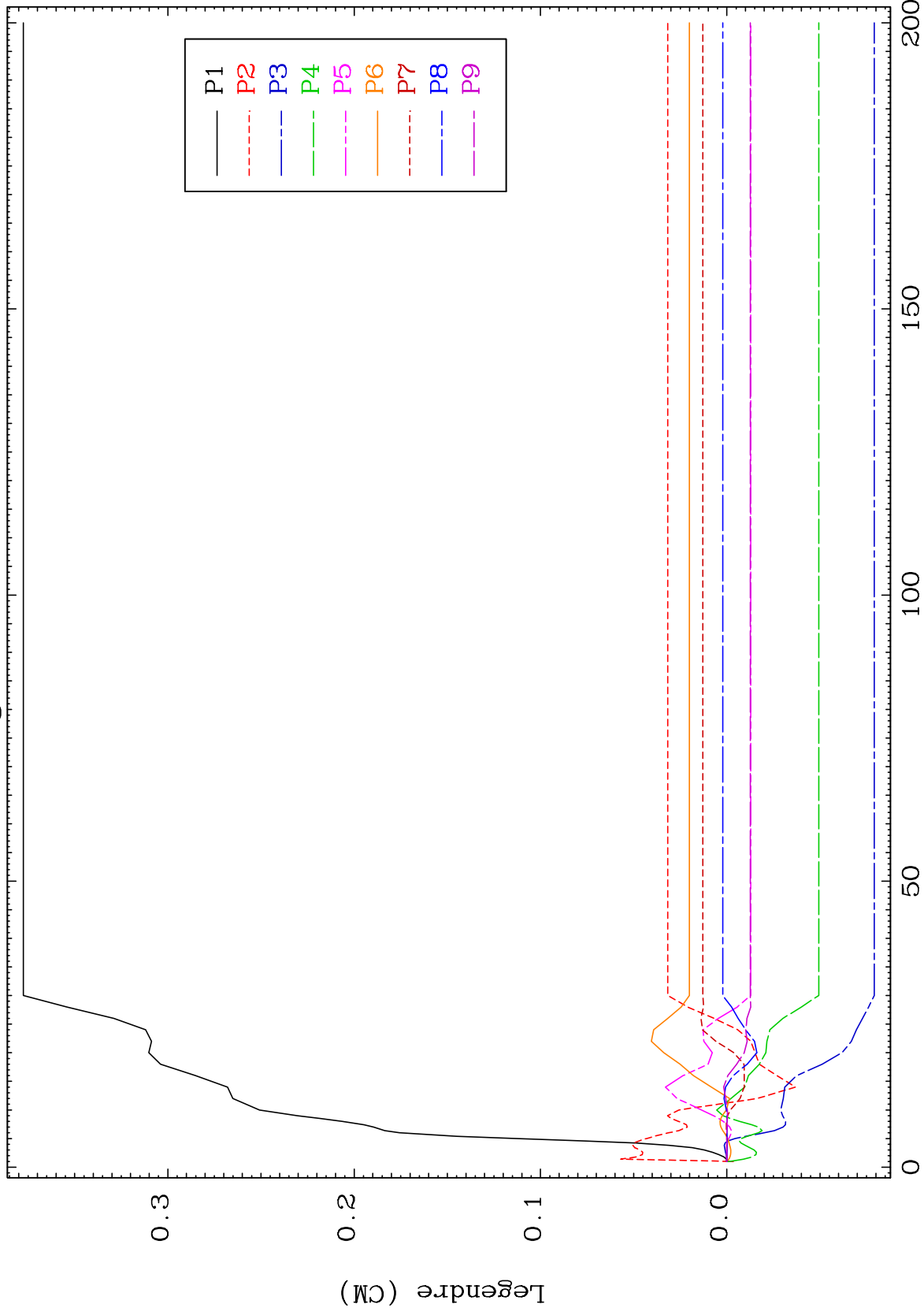


31

MAT 6437

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

64-Gd-156



64-Gd-156

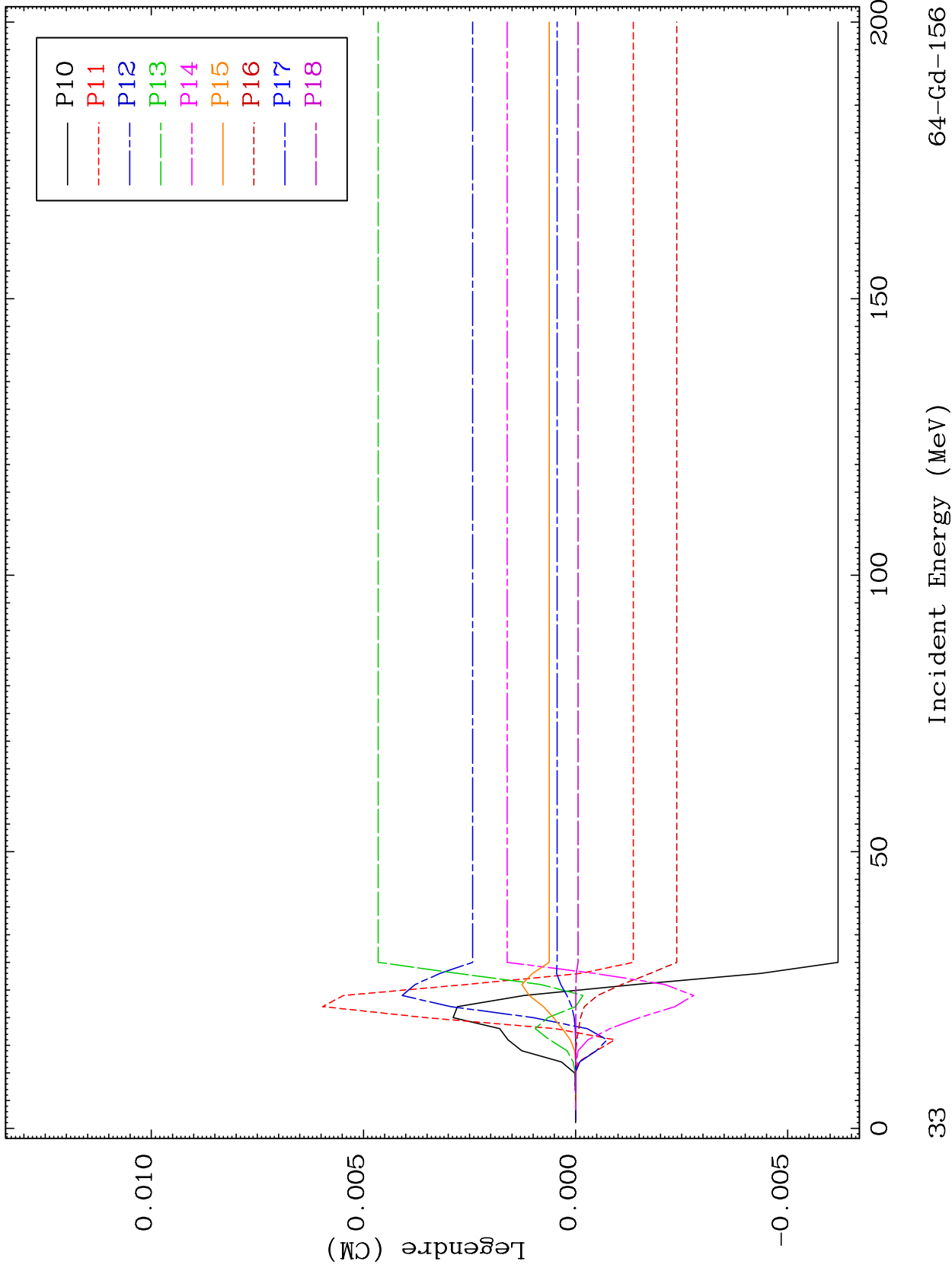
Incident Energy (MeV)

32

MAT 6437

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

64-Gd-156



33

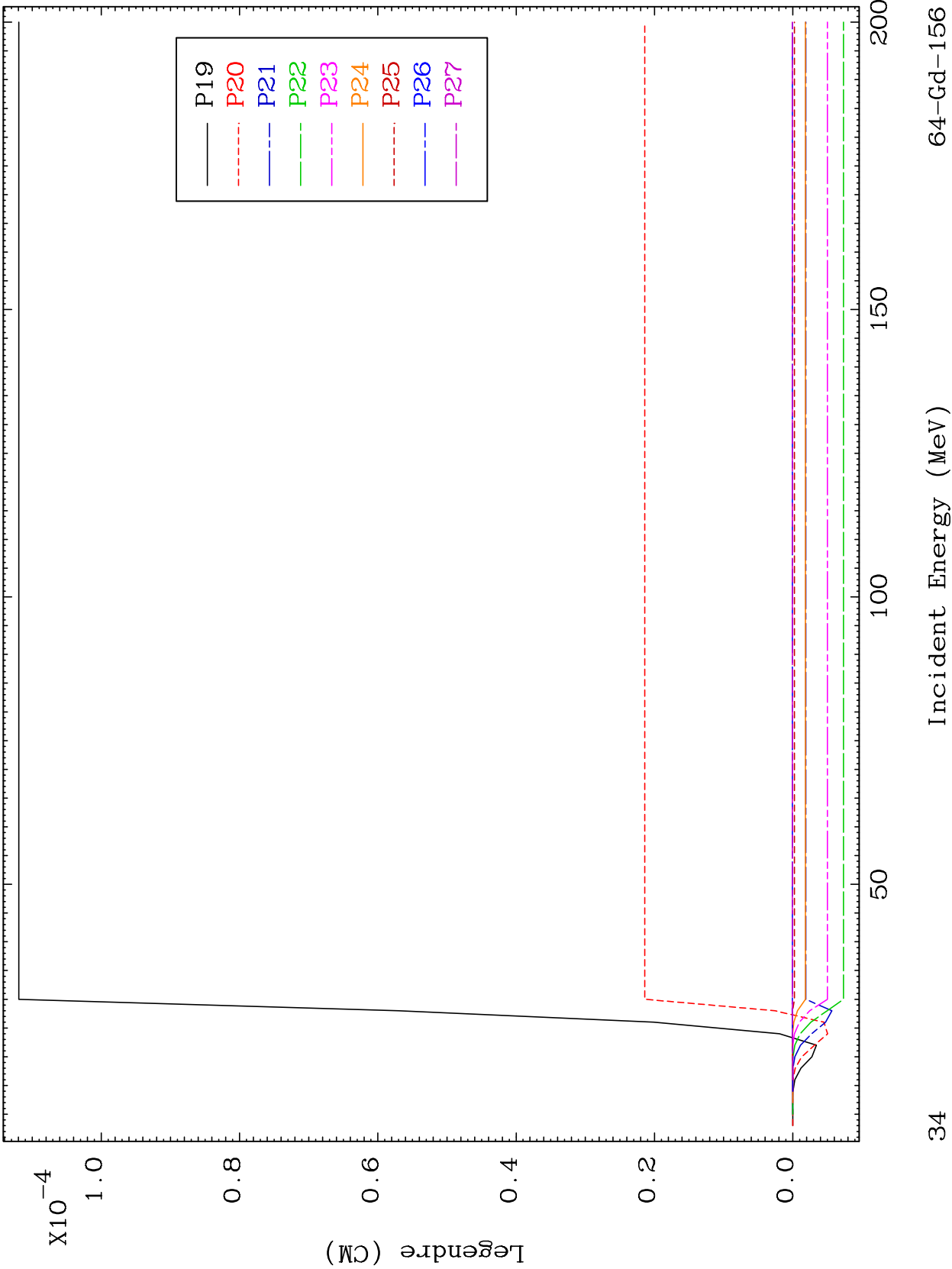
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



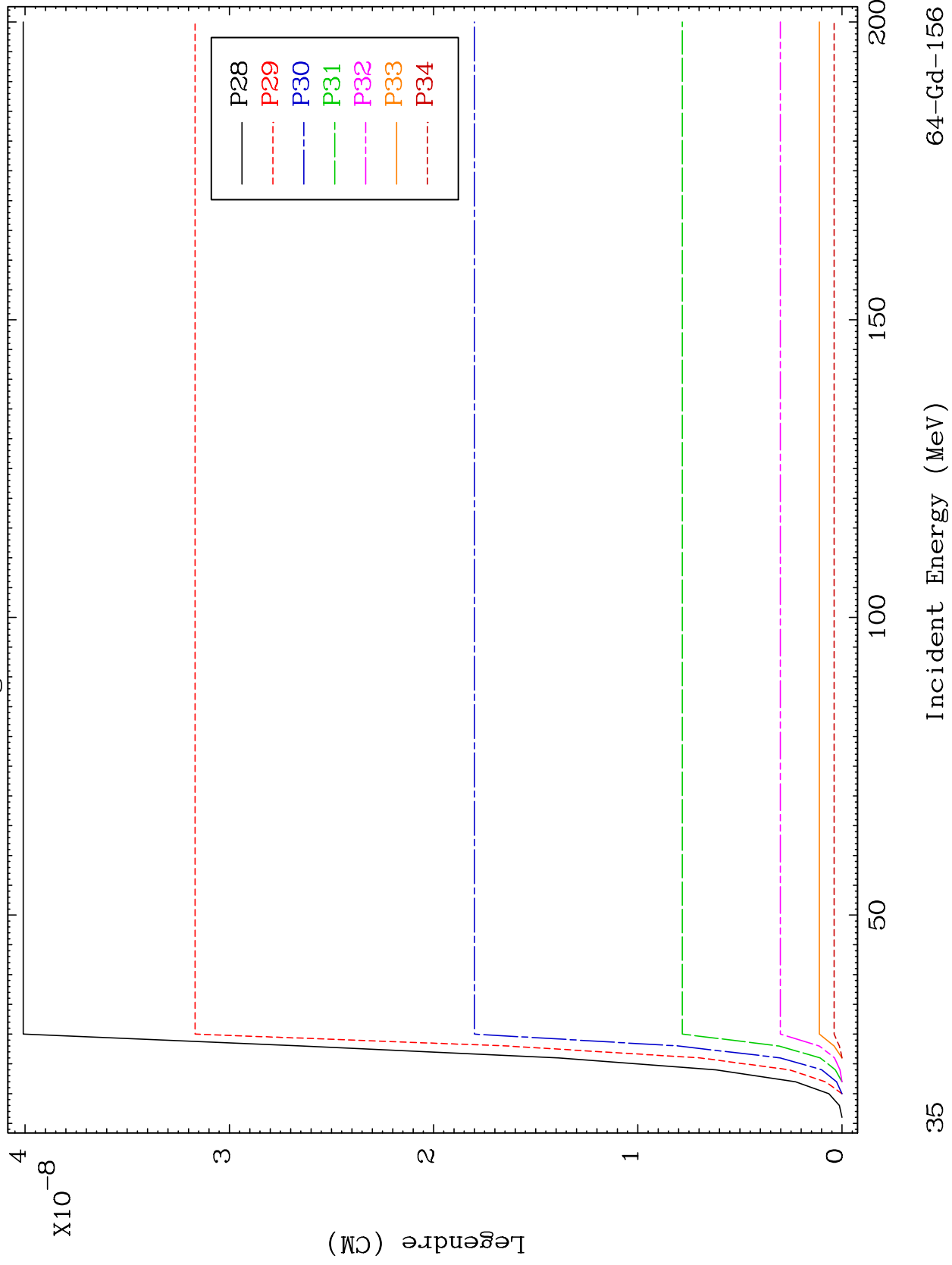
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64-Gd-156

MAT 6437

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

64-Gd-156

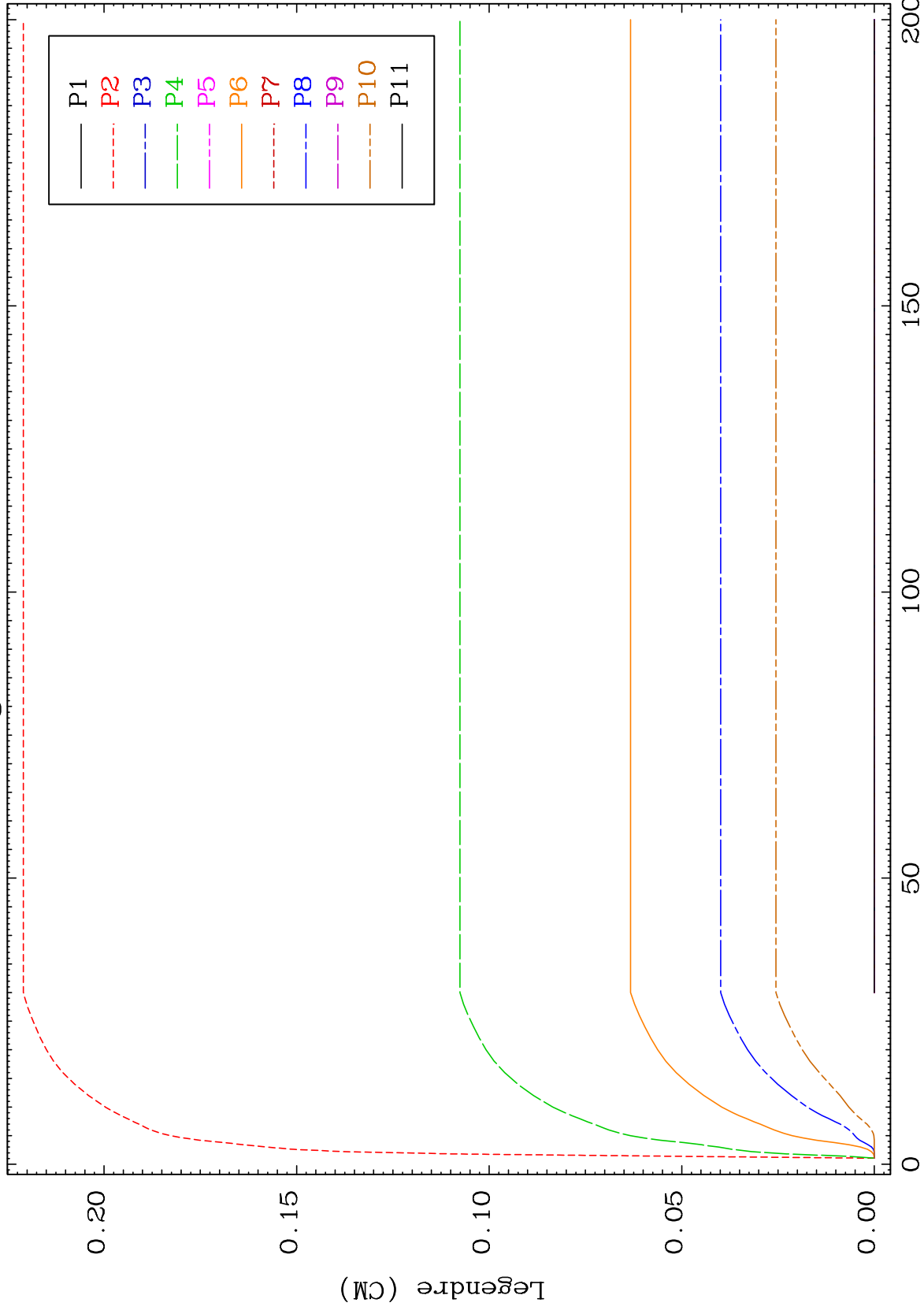


MAT 6437

MT= 55 (n,n') Level

64-Gd-156

Legendre Coefficients



36

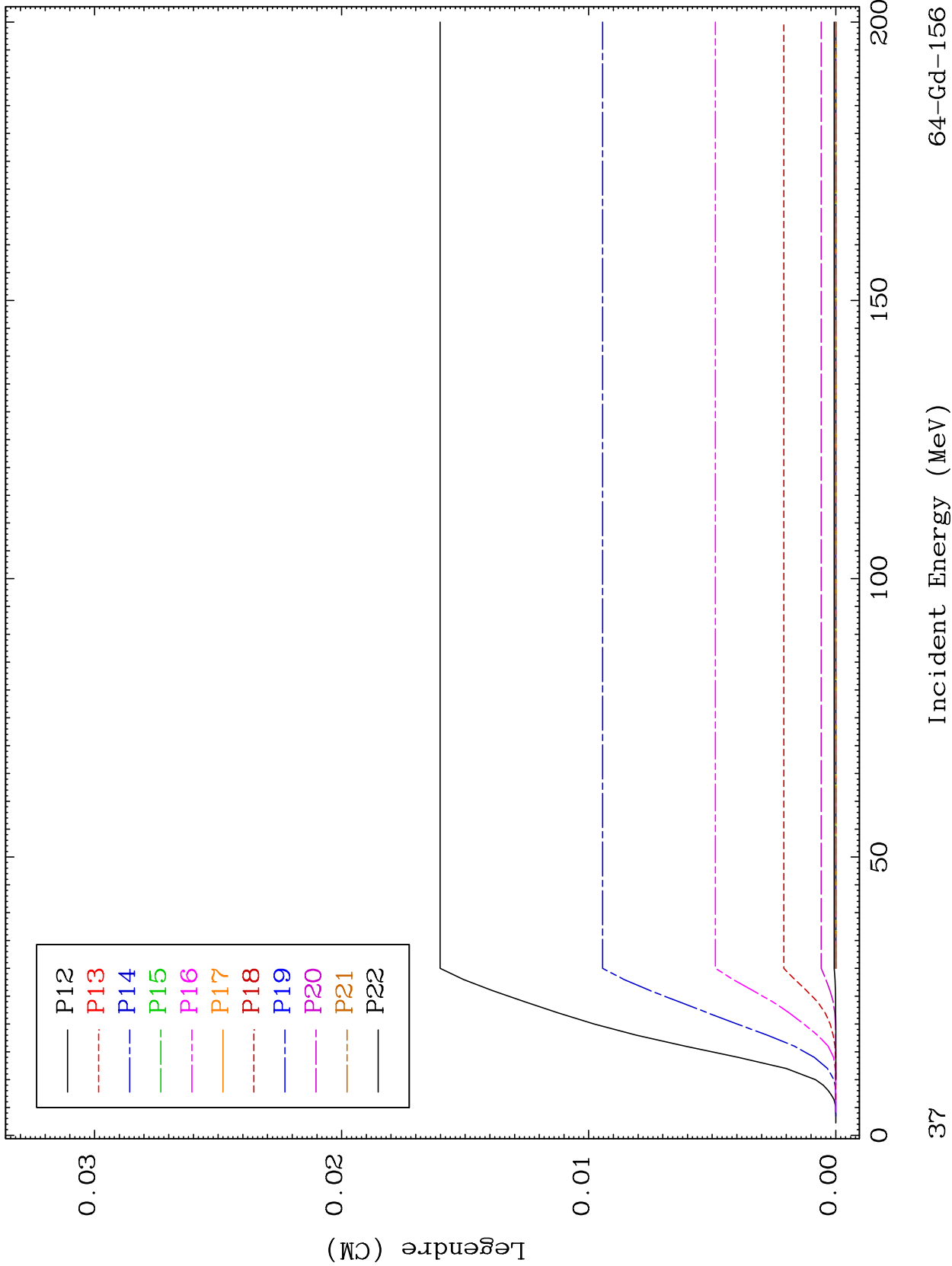
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



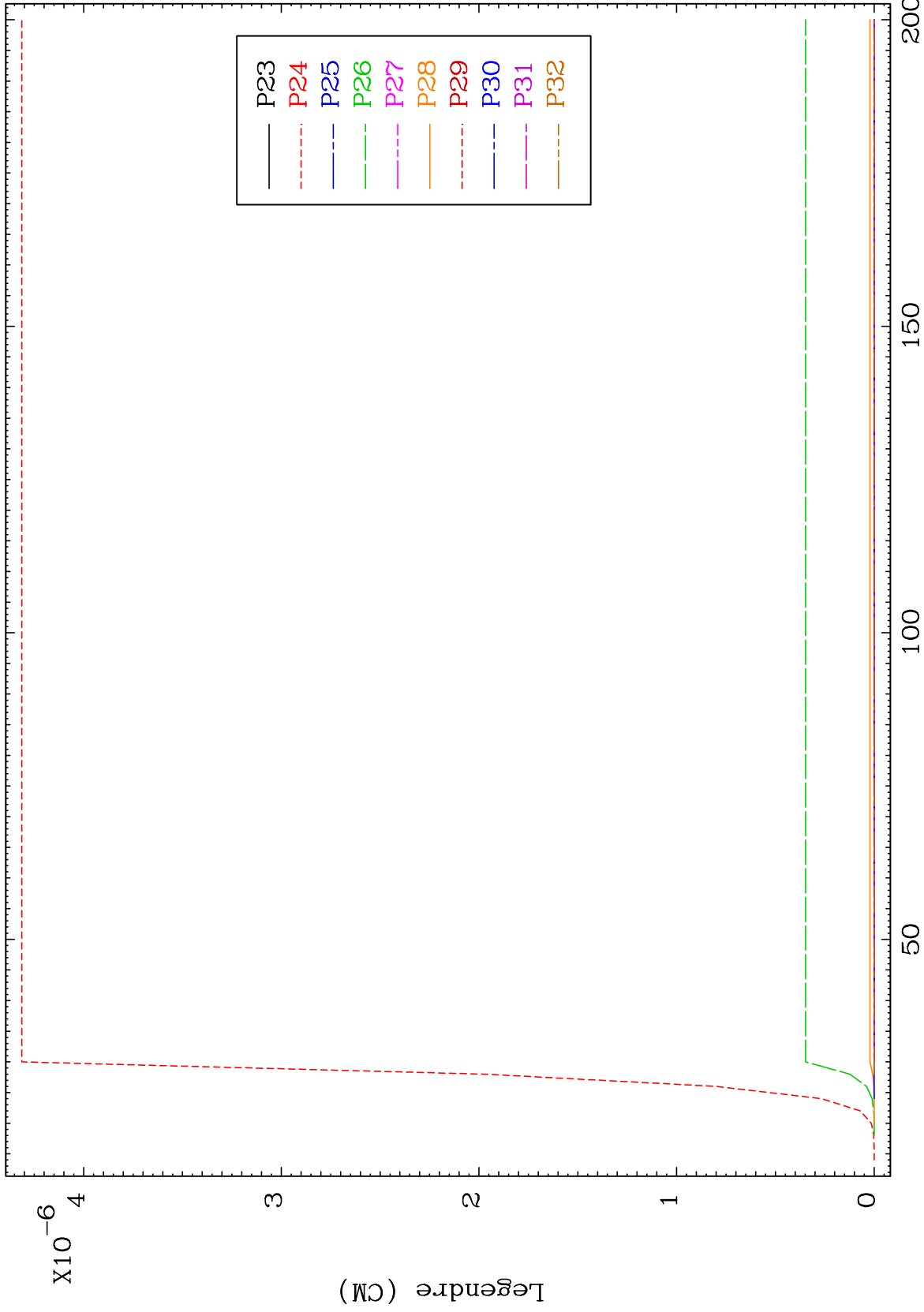
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64-Gd-156

MAT 6437

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

64-Gd-156



38

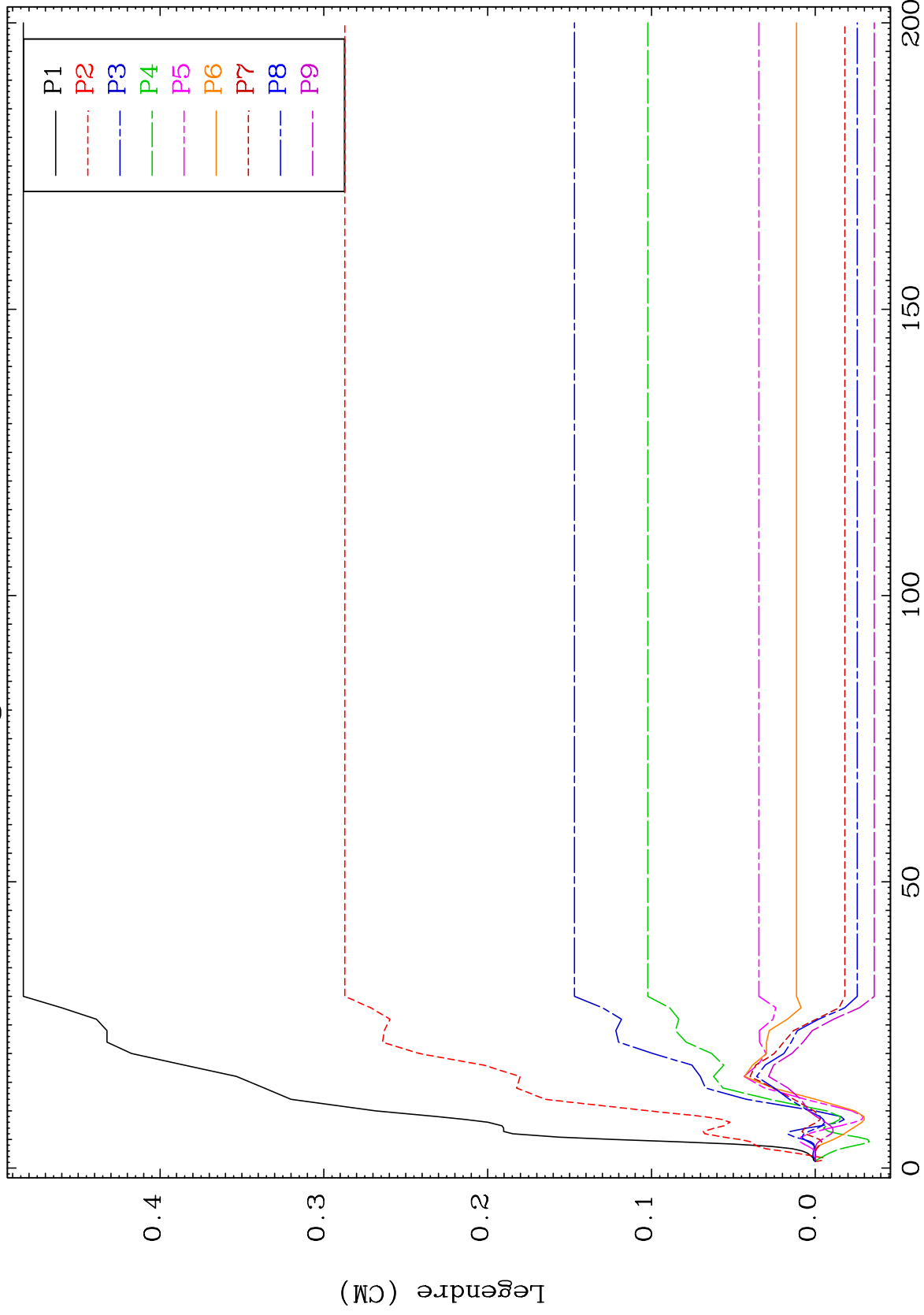
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



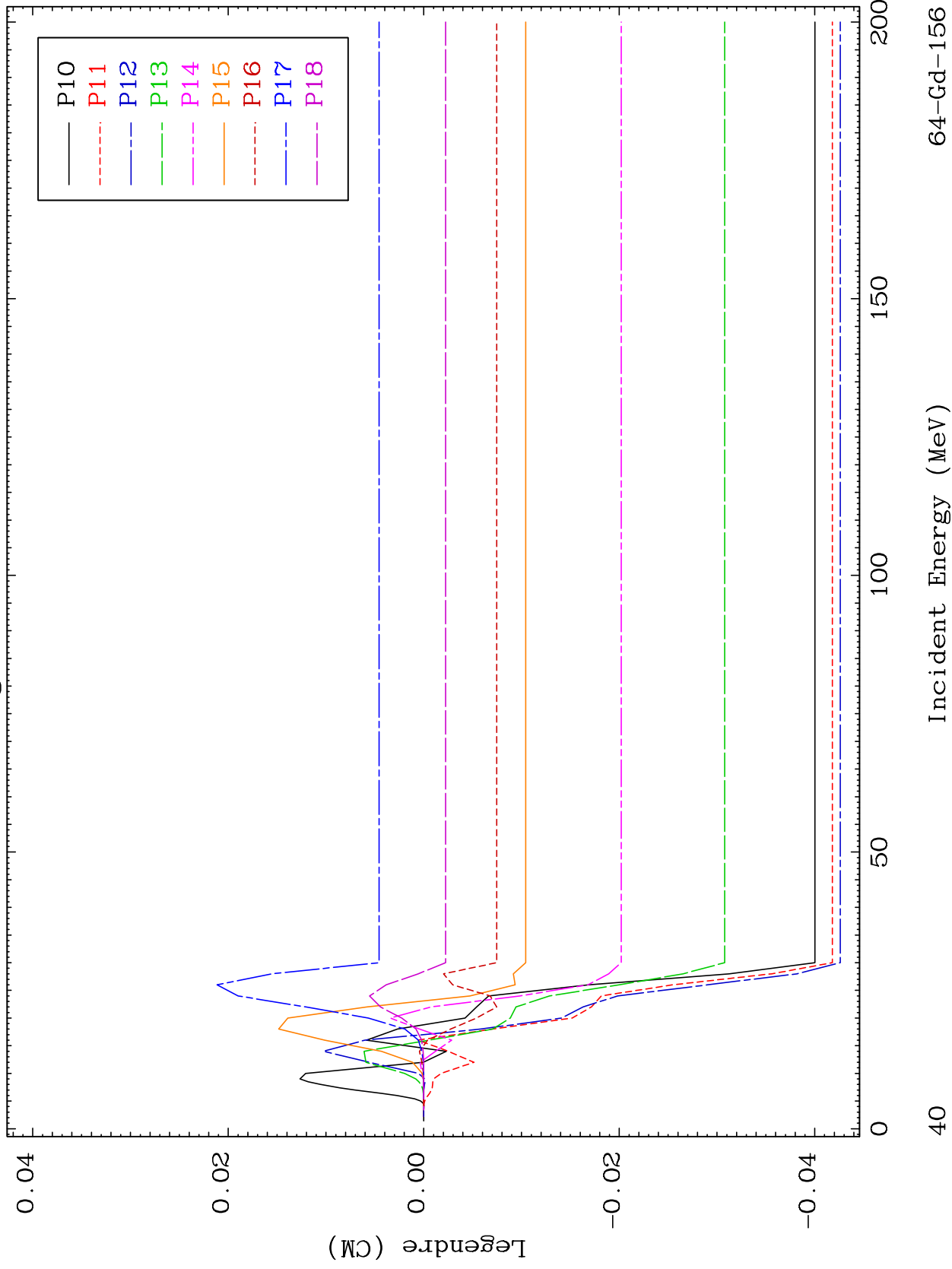
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64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

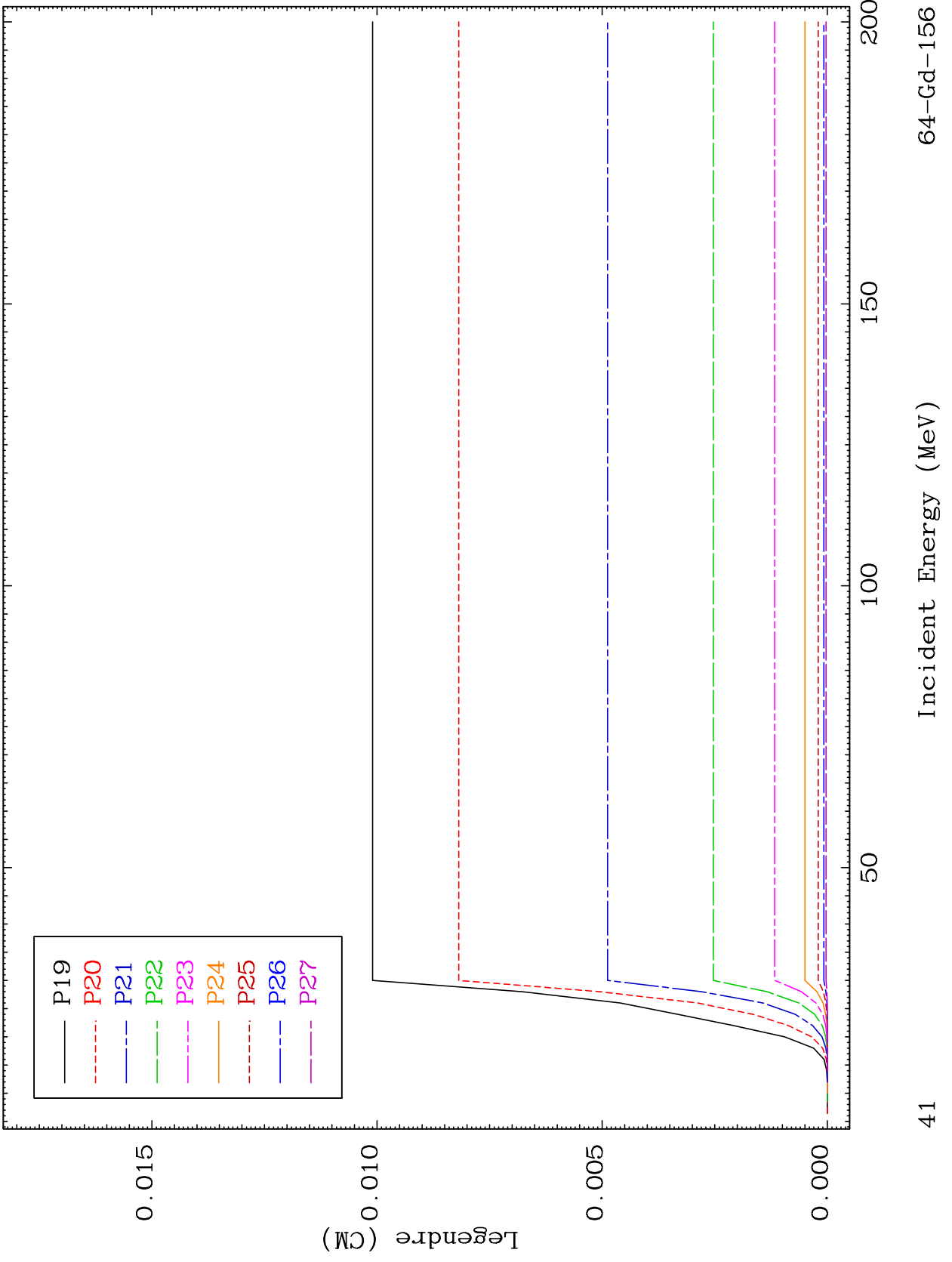
Incident Energy (MeV)

40

MAT 6437

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

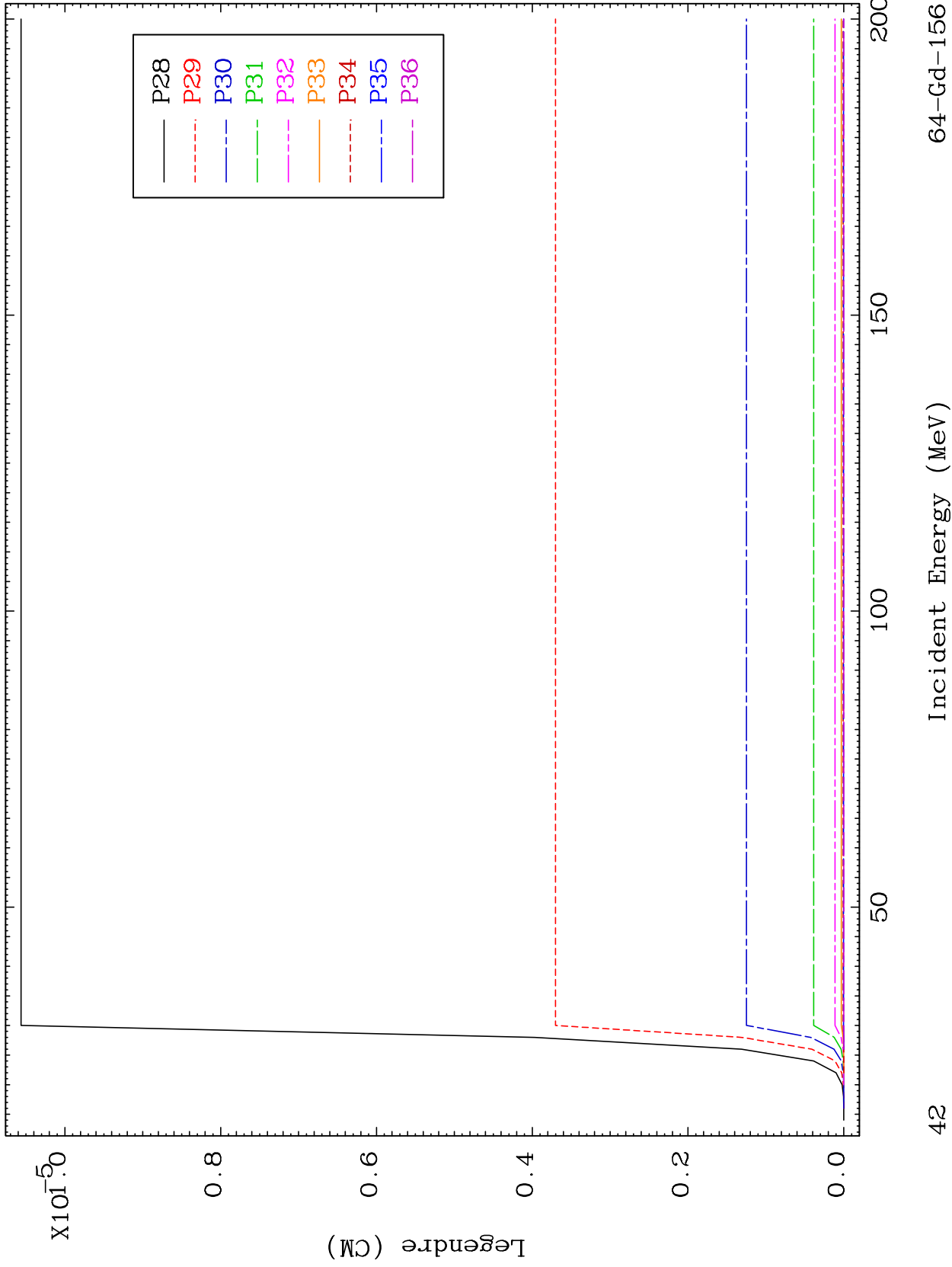
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MAT 6437

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

64-Gd-156



42

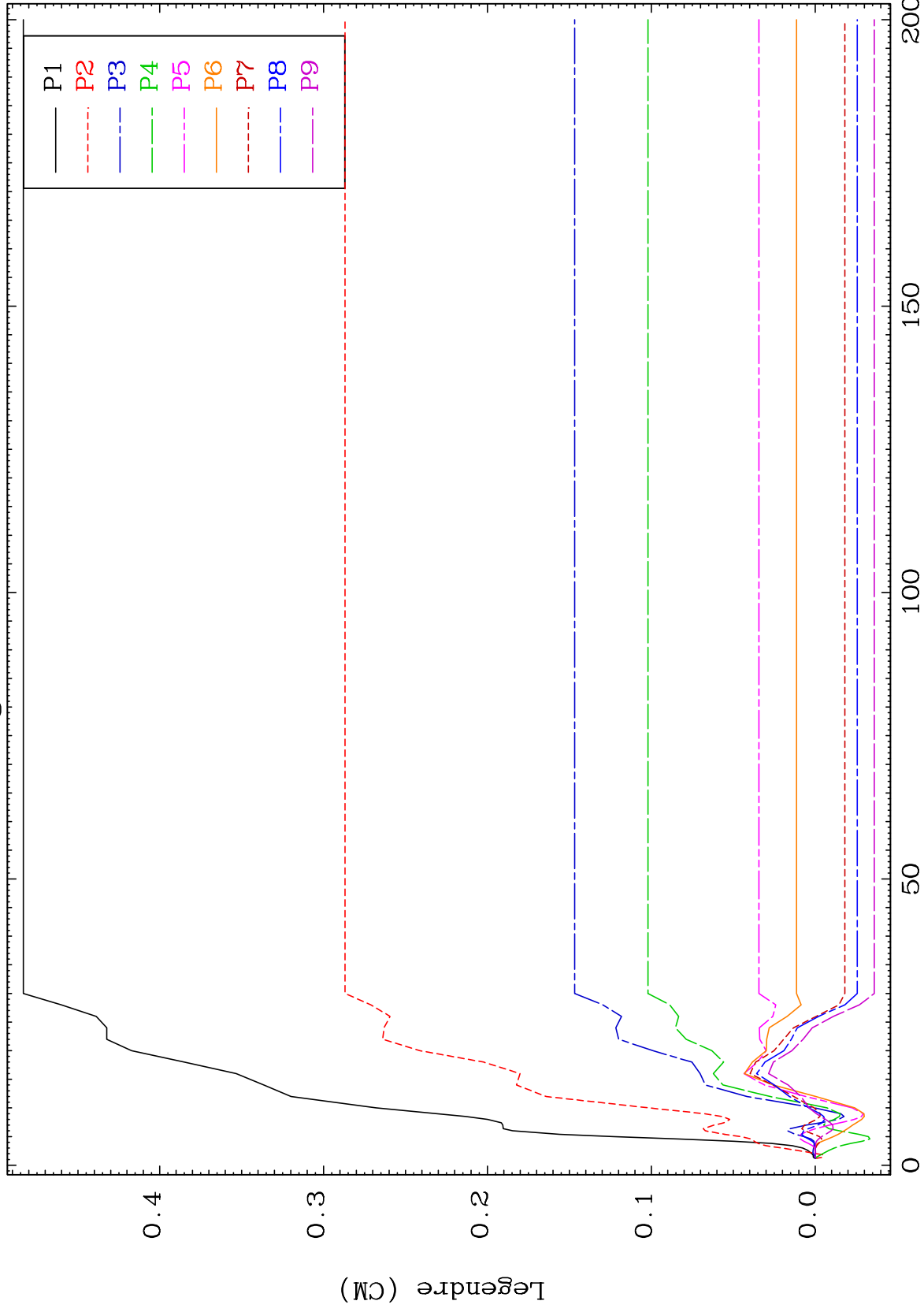
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



43

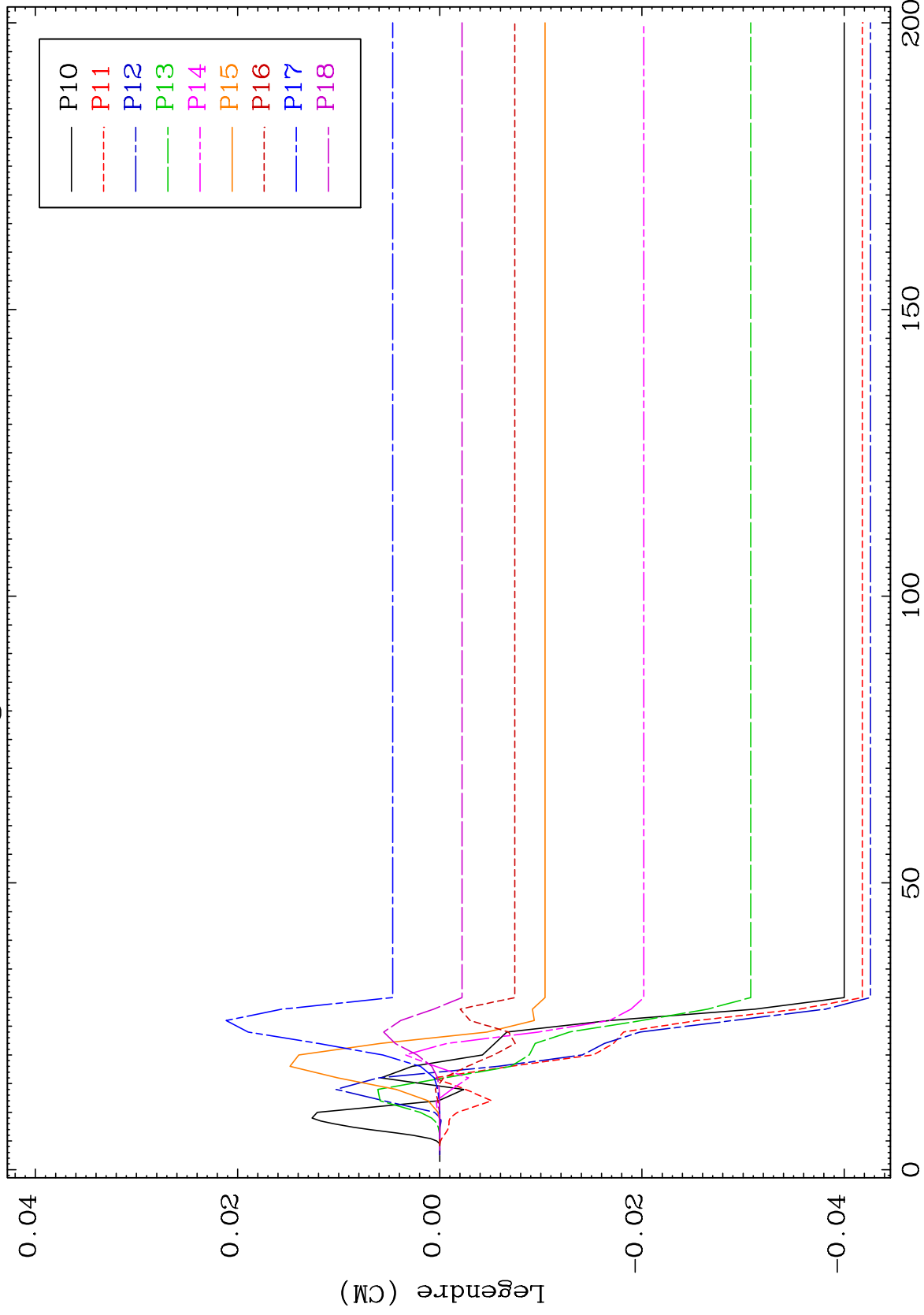
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



44

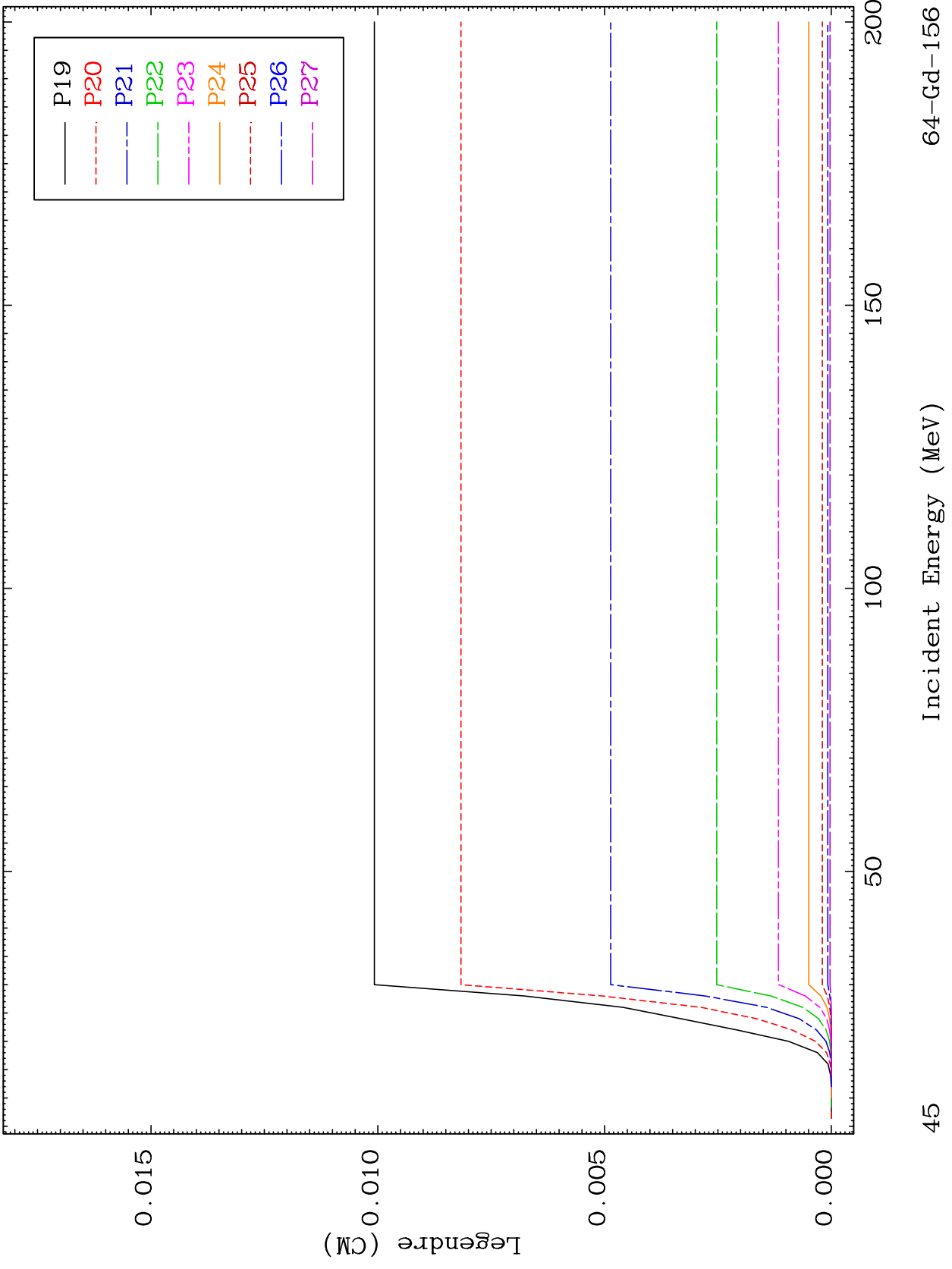
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



45

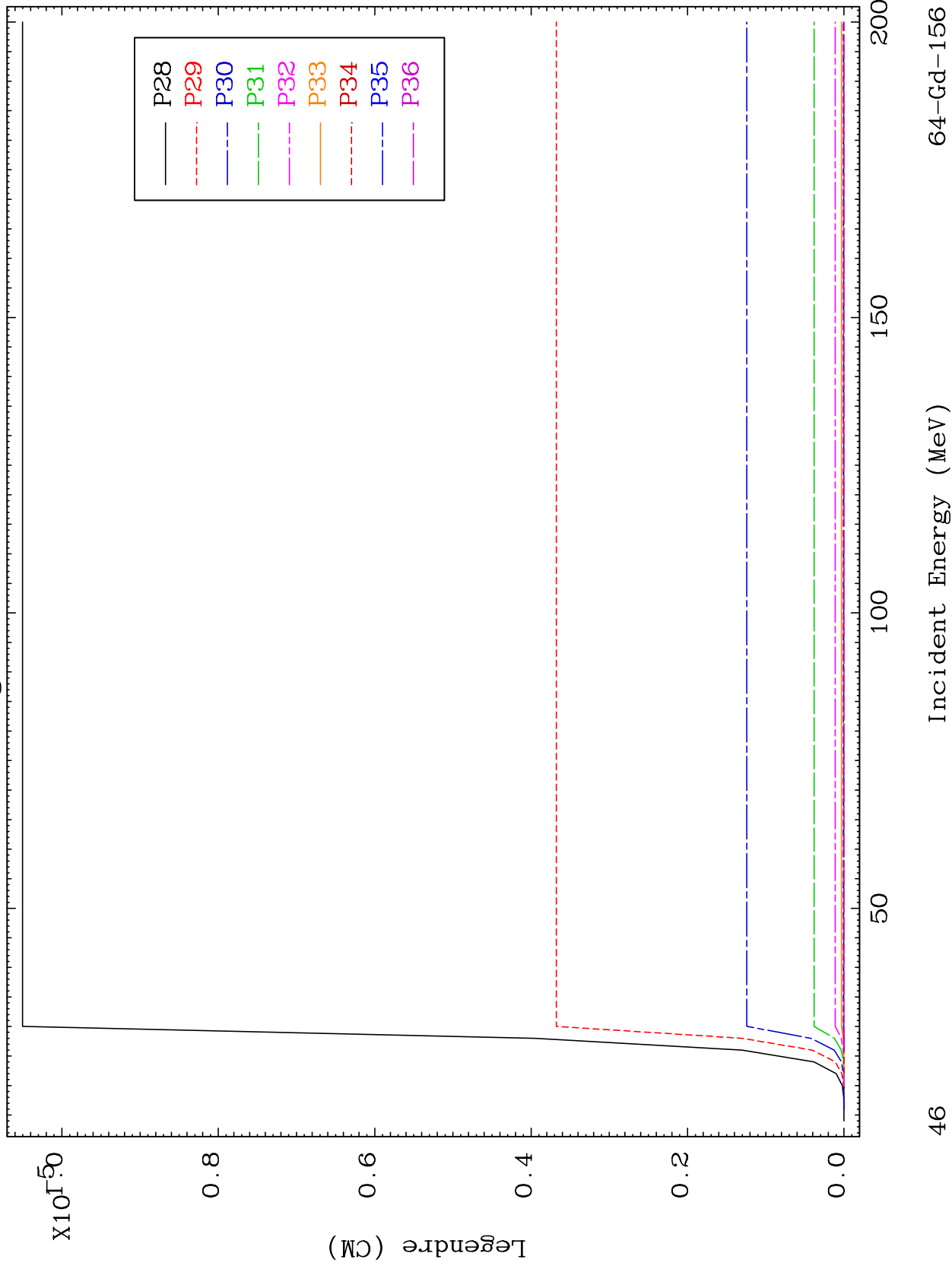
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



46

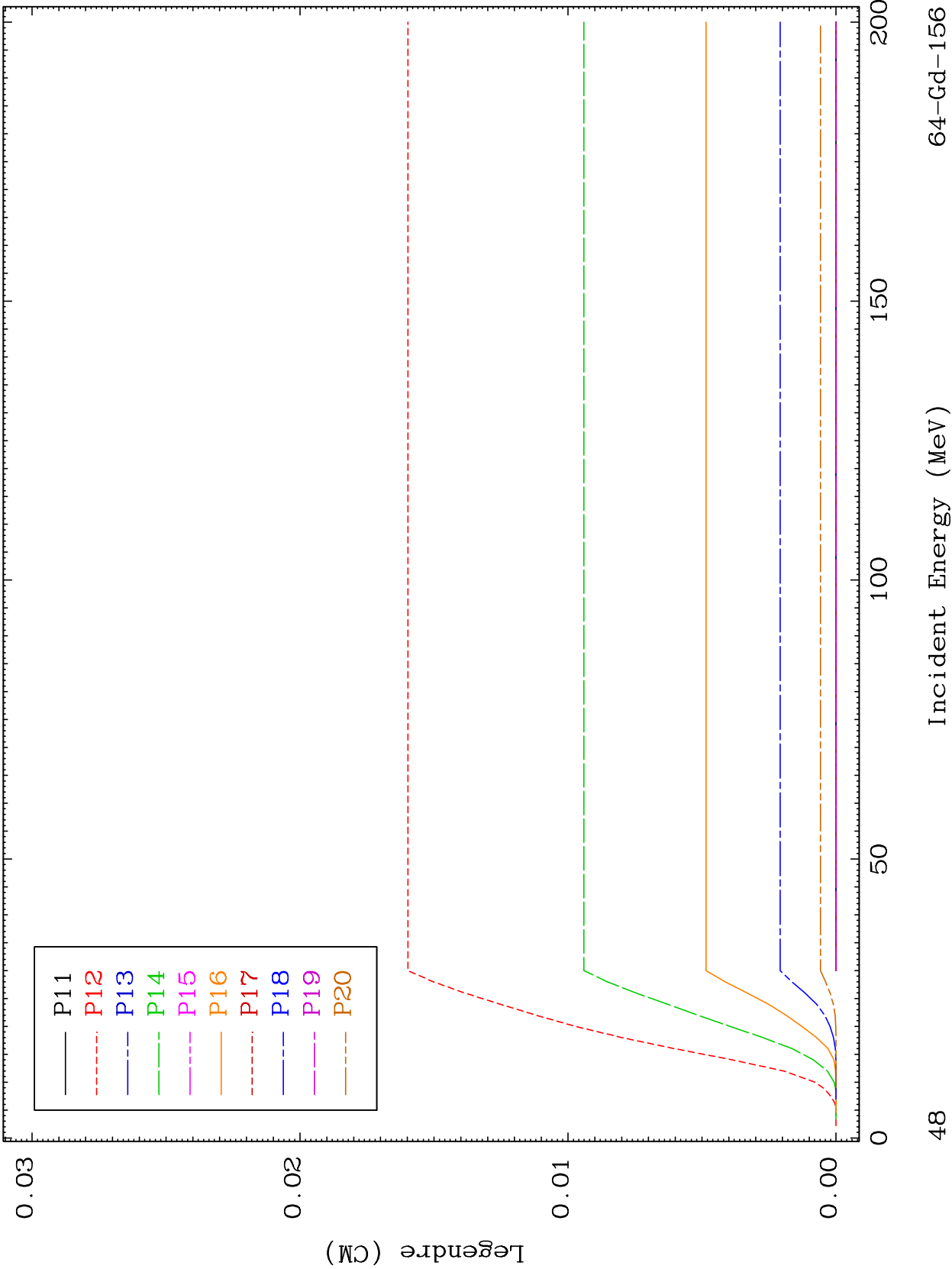
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

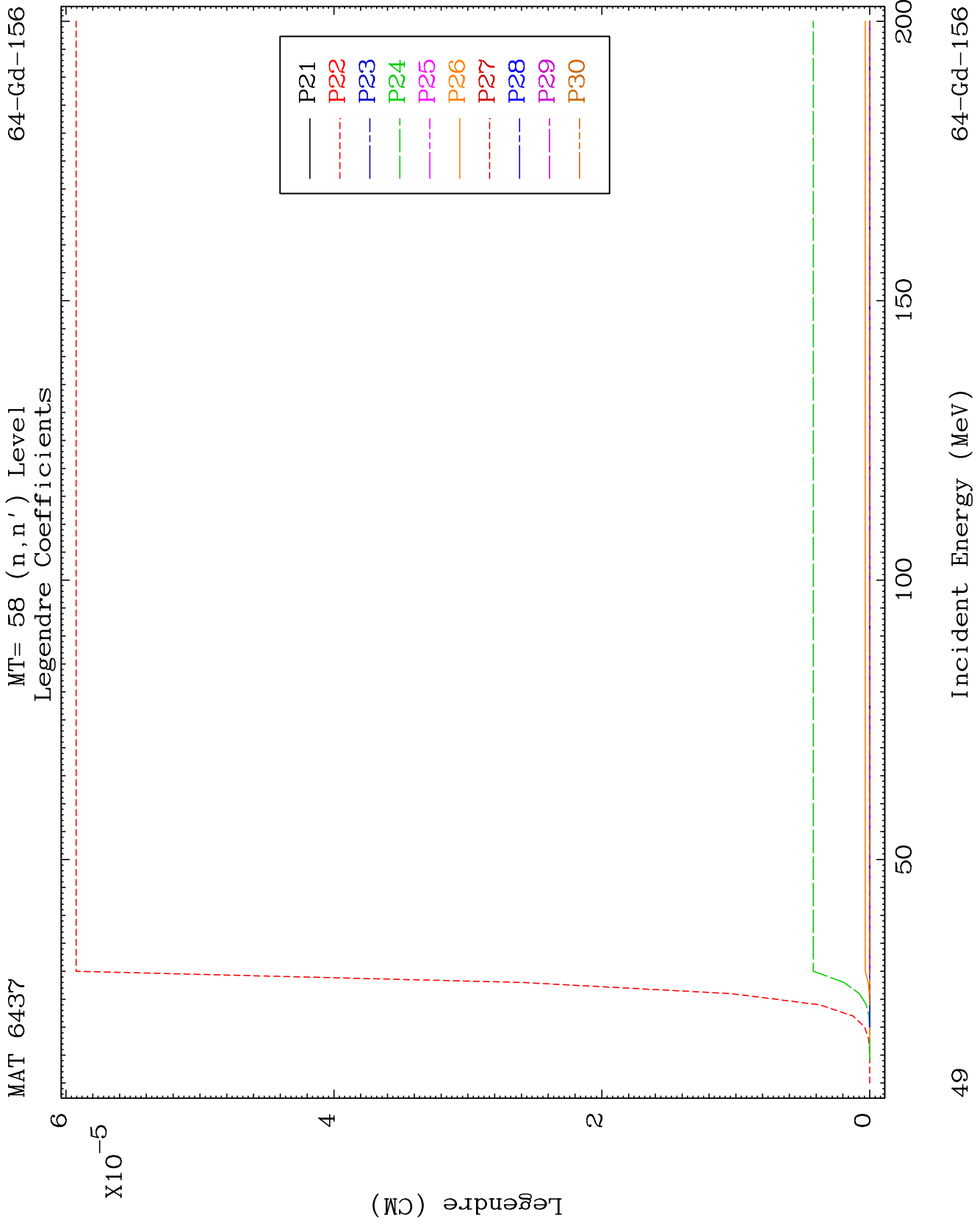
64-Gd-156



48

Incident Energy (MeV)

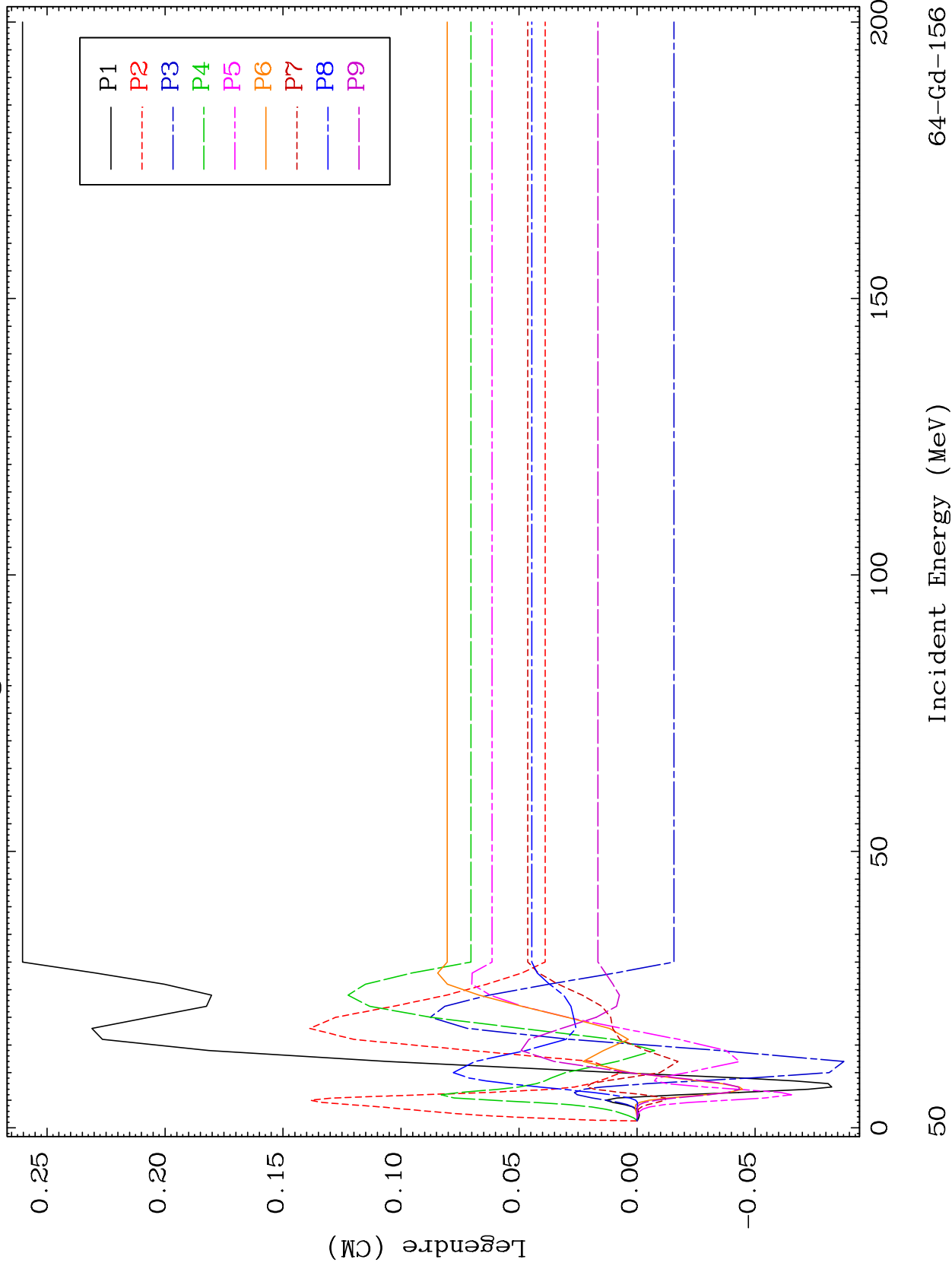
64-Gd-156



MAT 6437

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

64-Gd-156



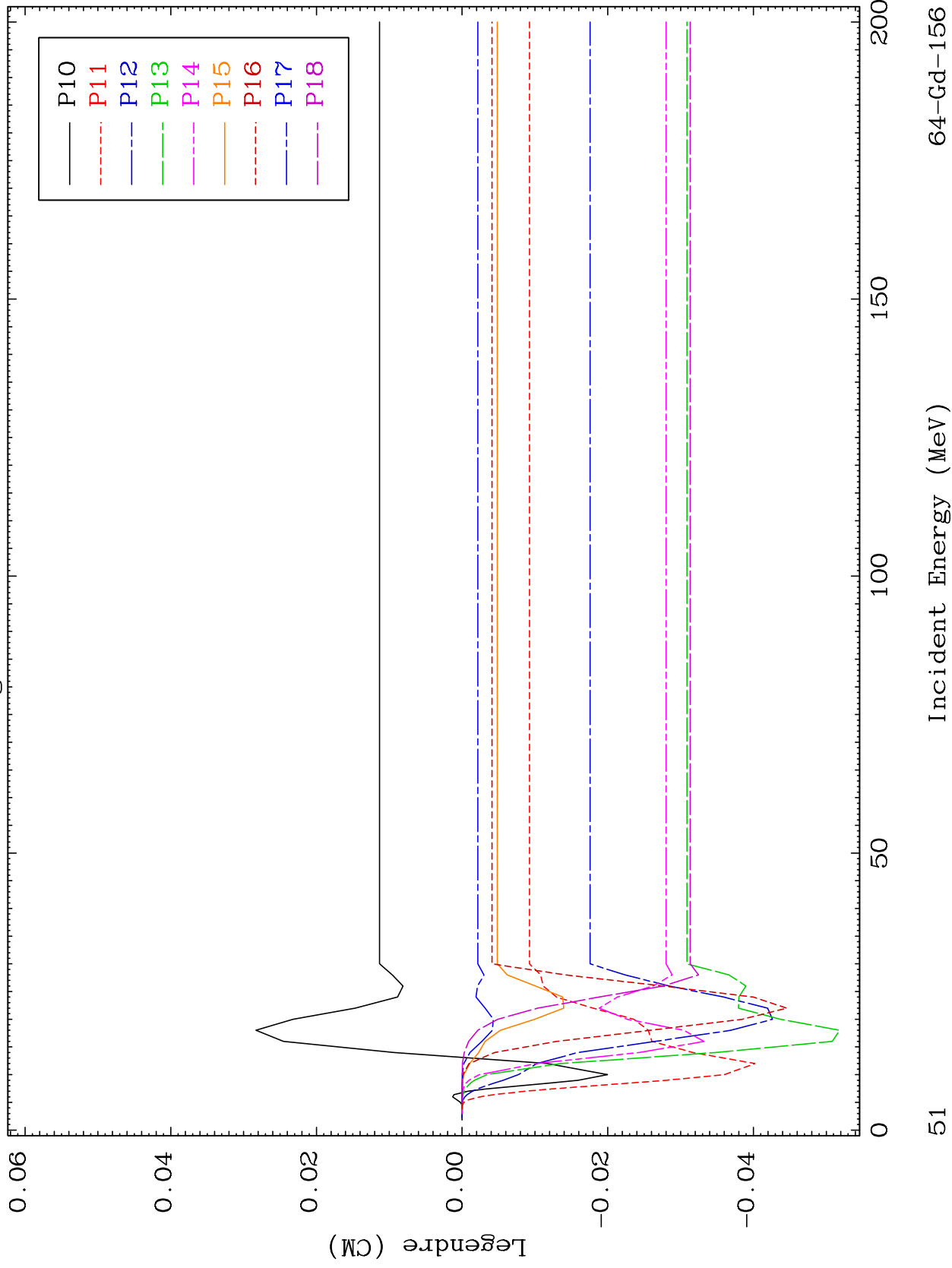
64-Gd-156

Incident Energy (MeV)

MAT 6437

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

64-Gd-156



64-Gd-156

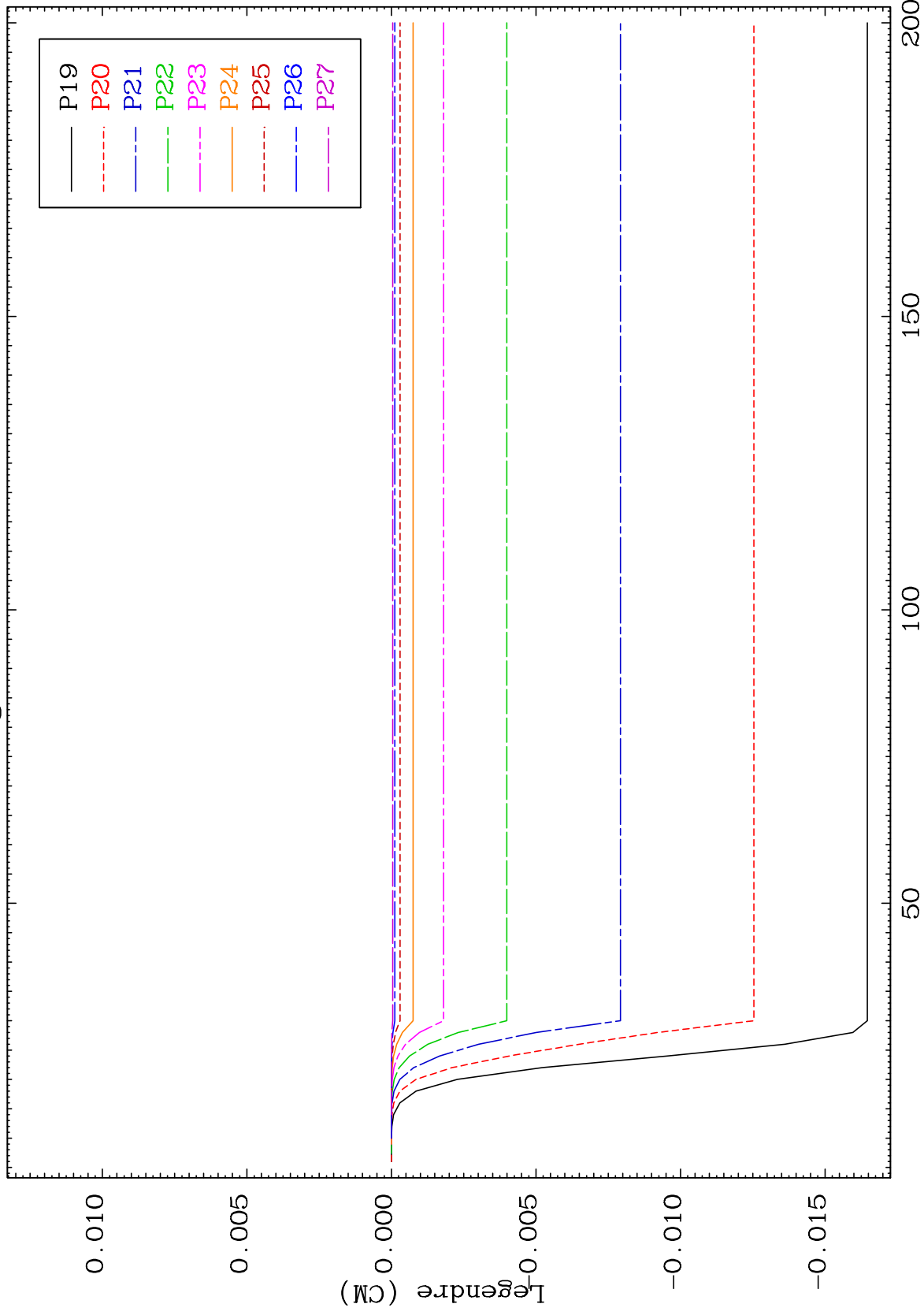
Incident Energy (MeV)

51

MAT 6437

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

64-Gd-156



52

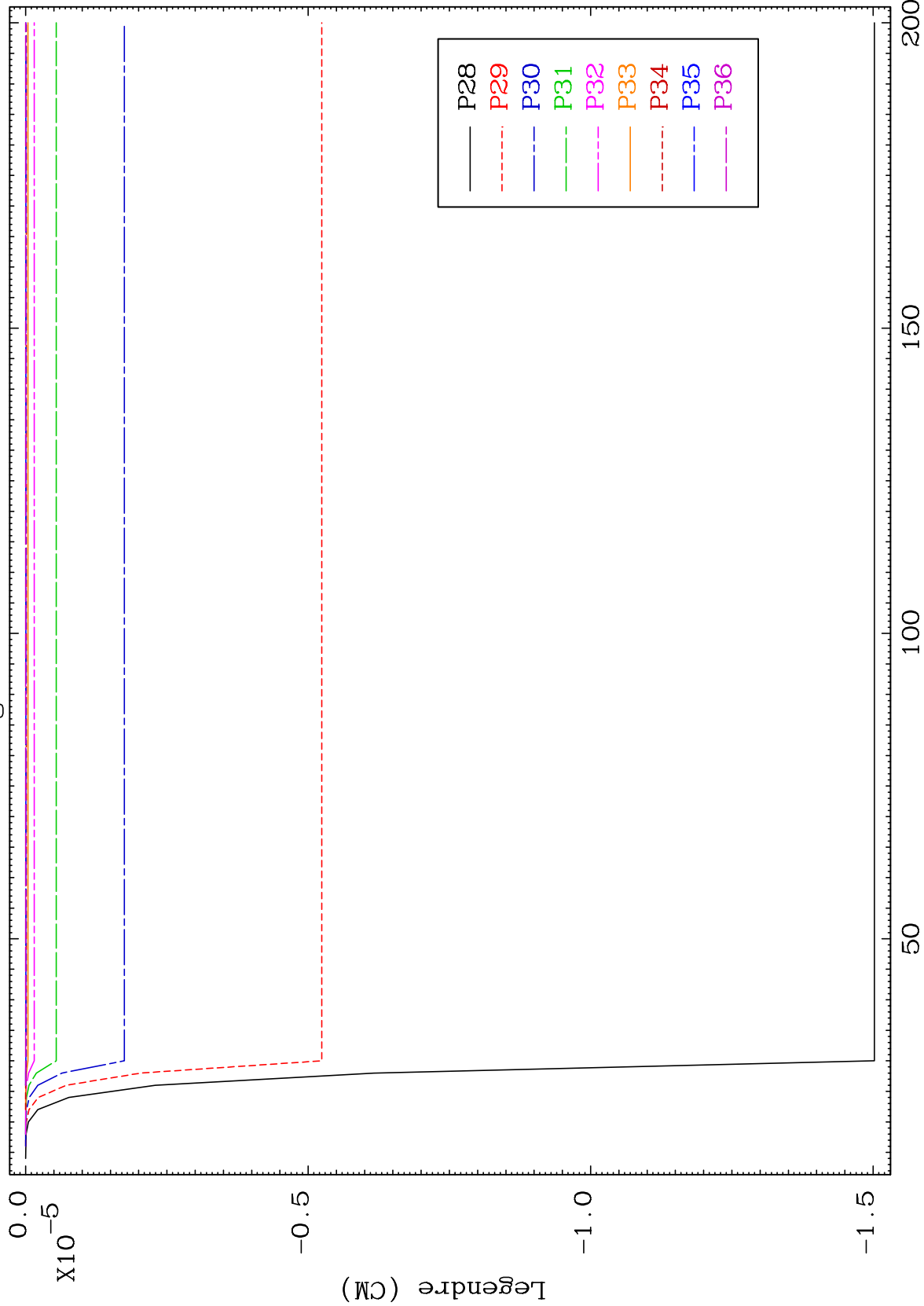
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

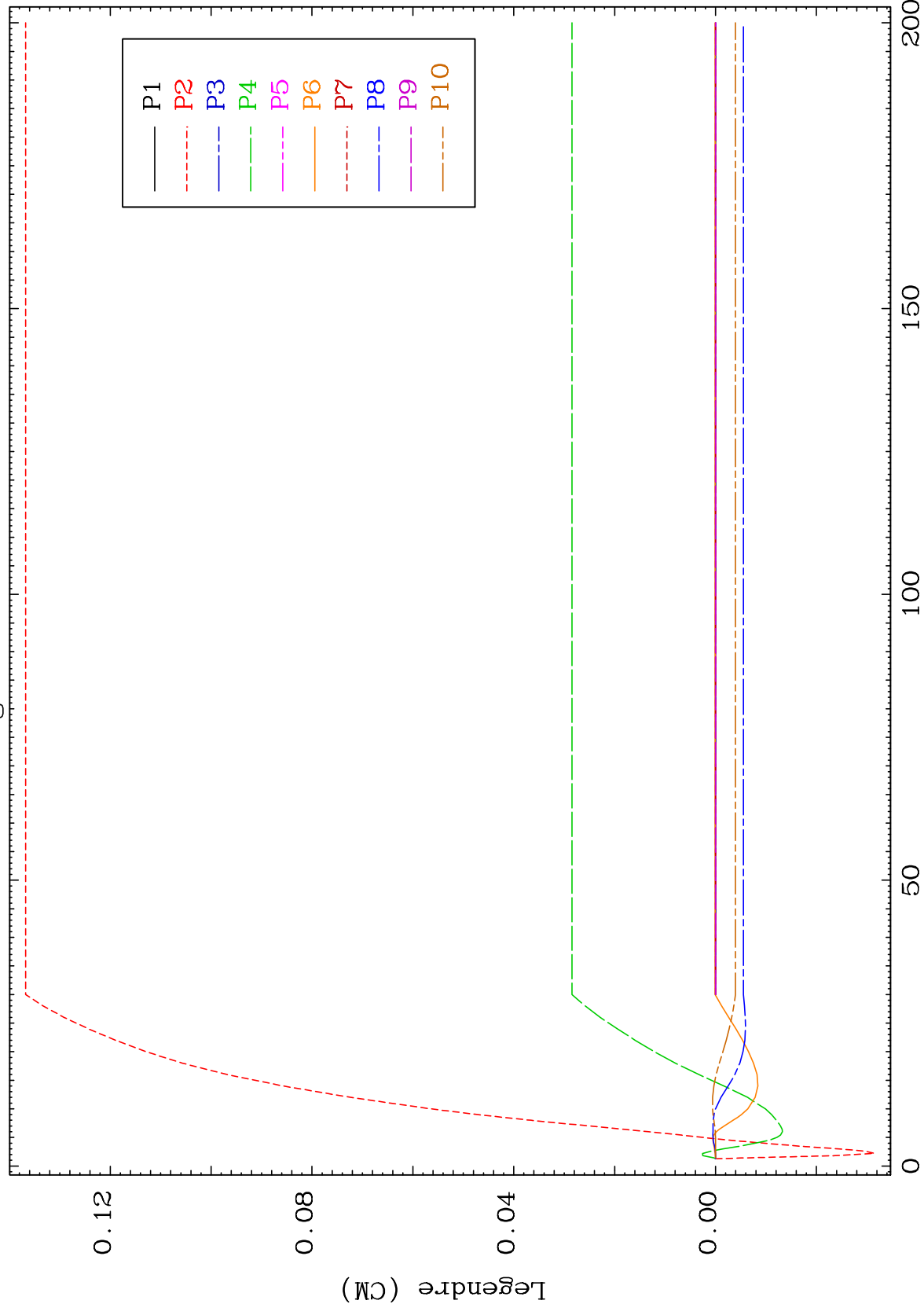
64-Gd-156



MAT 6437

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

64-Gd-156



64-Gd-156

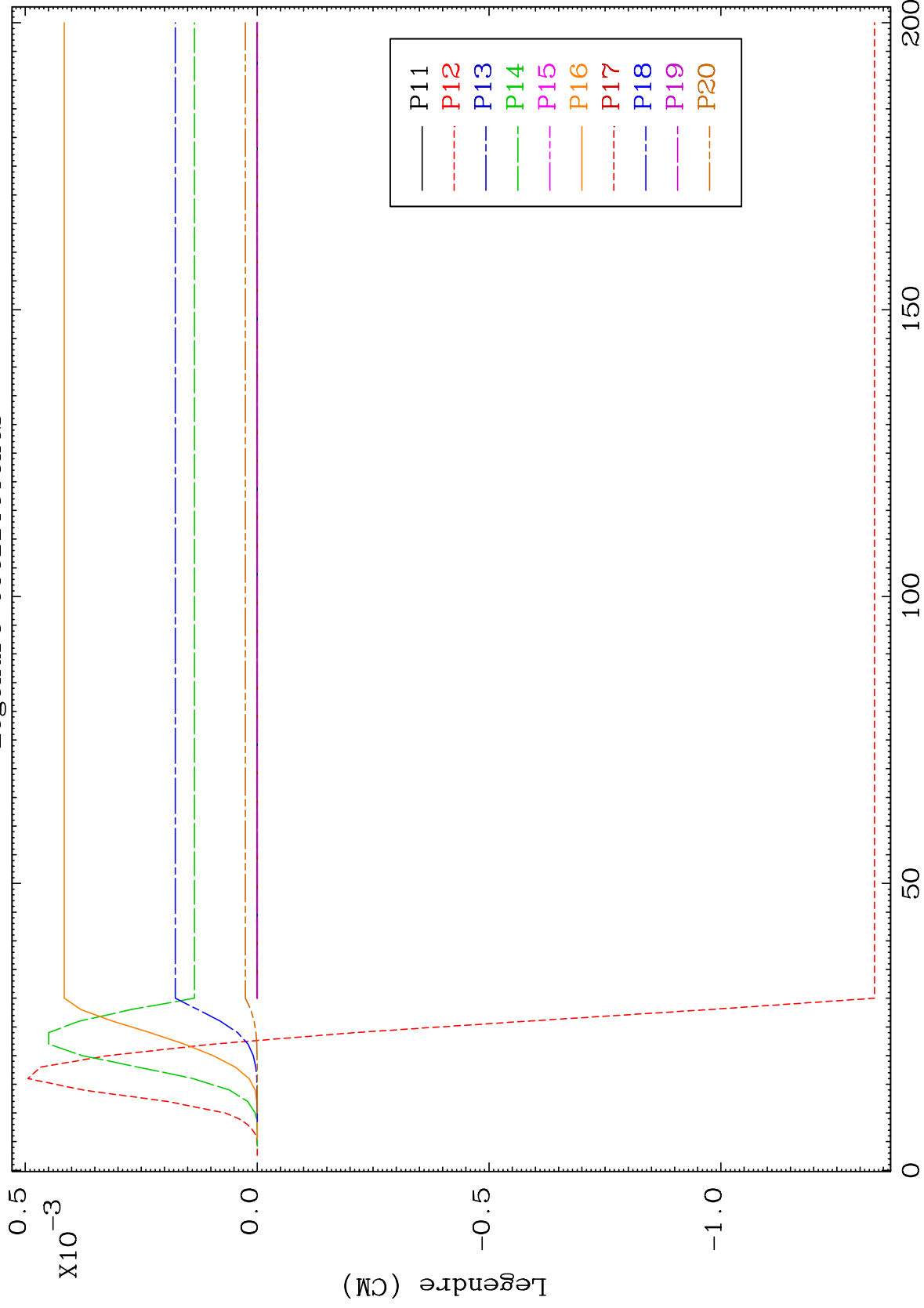
Incident Energy (MeV)

54

MAT 6437

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

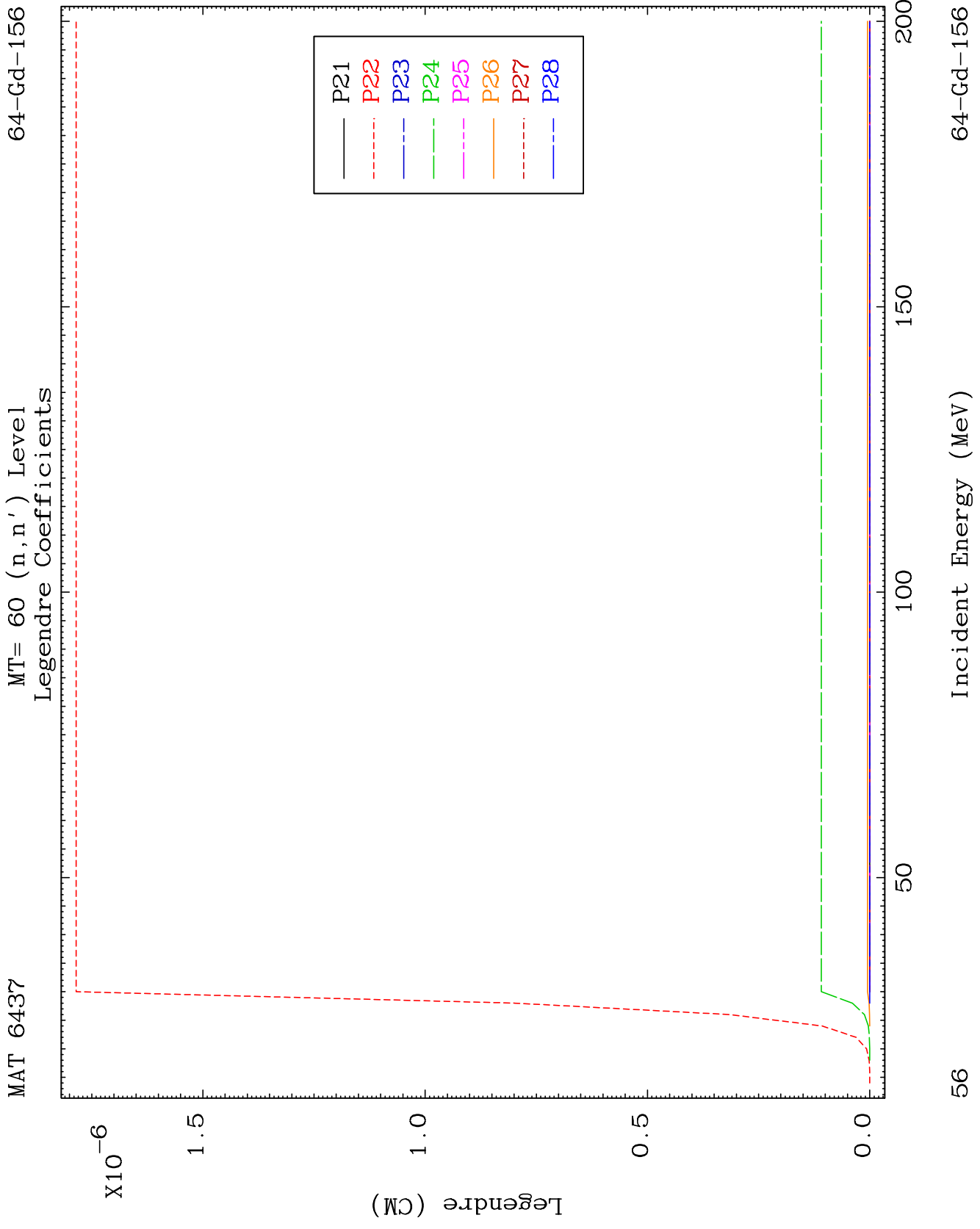
64-Gd-156



55

Incident Energy (MeV)

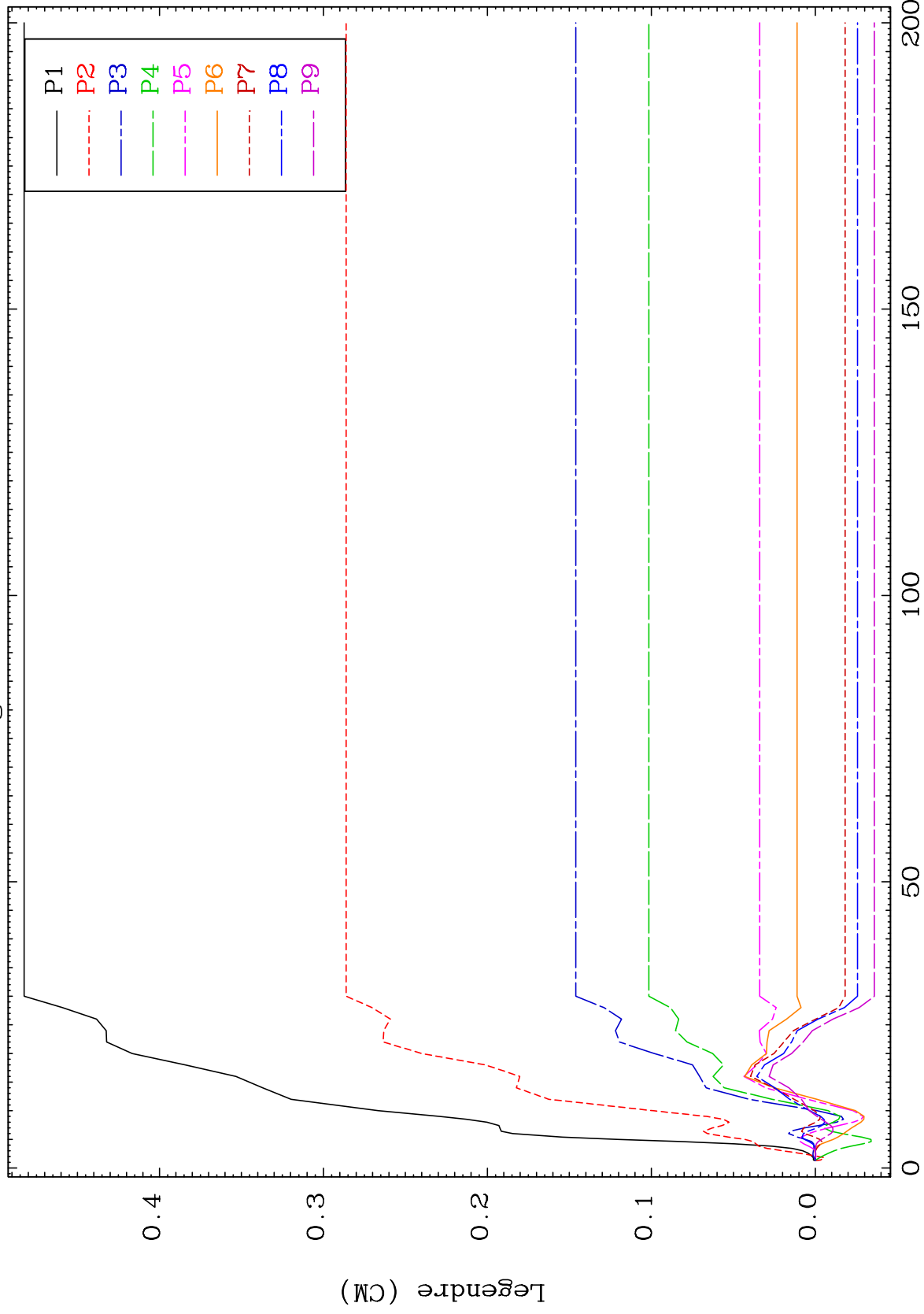
64-Gd-156



MAT 6437

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

64-Gd-156



57

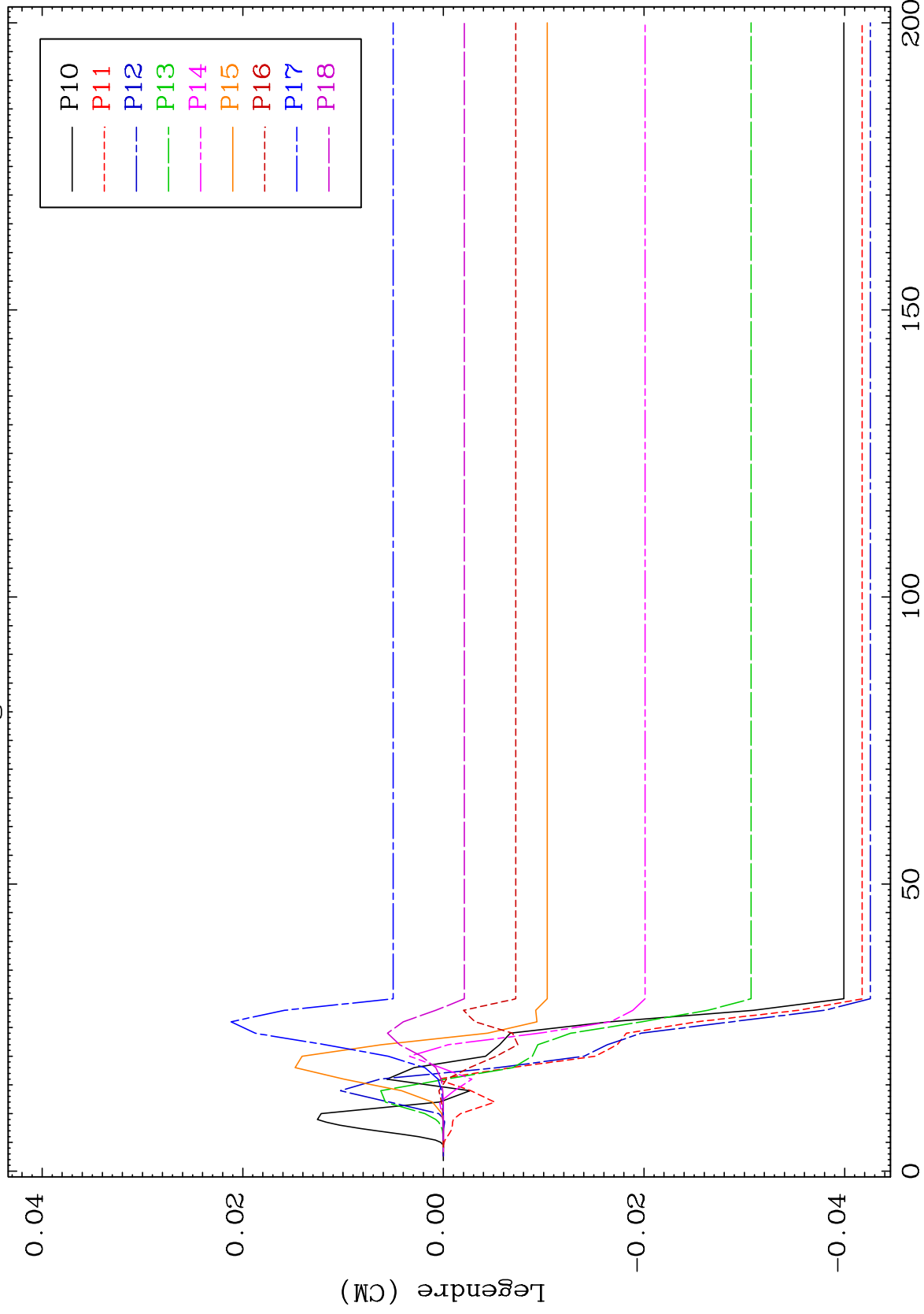
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

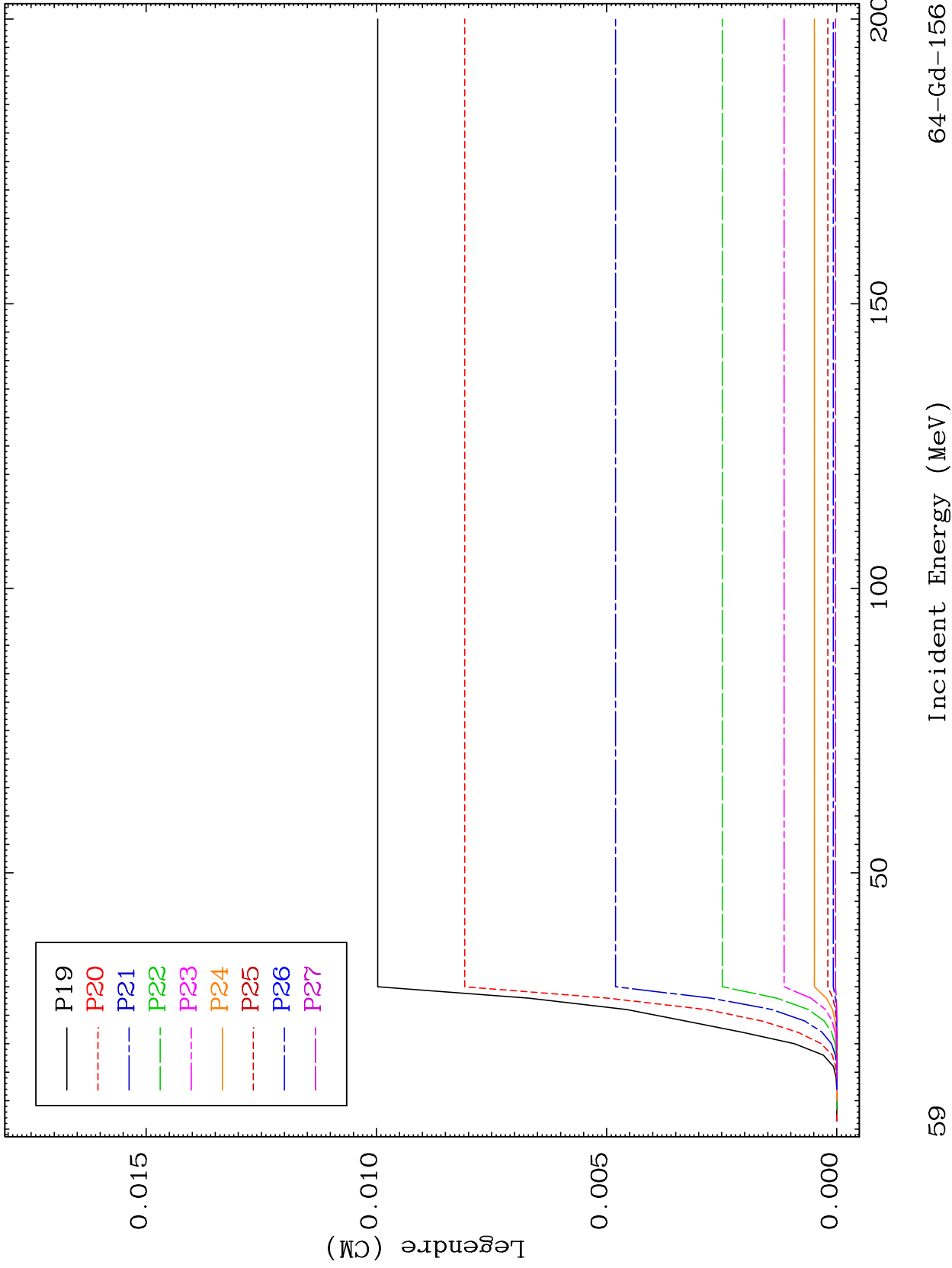
64-Gd-156



58

Incident Energy (MeV)

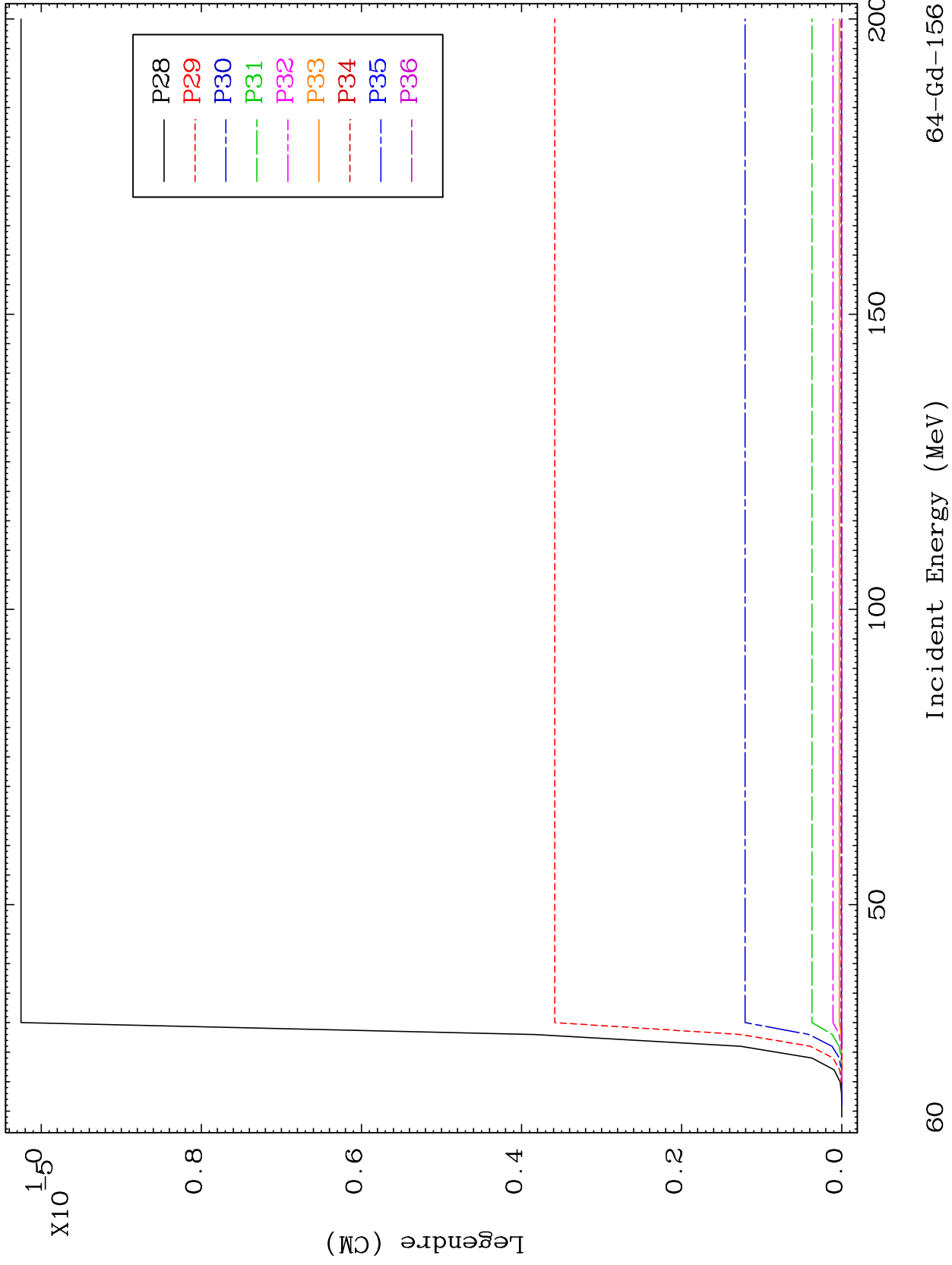
64-Gd-156



MAT 6437

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

64-Gd-156



60

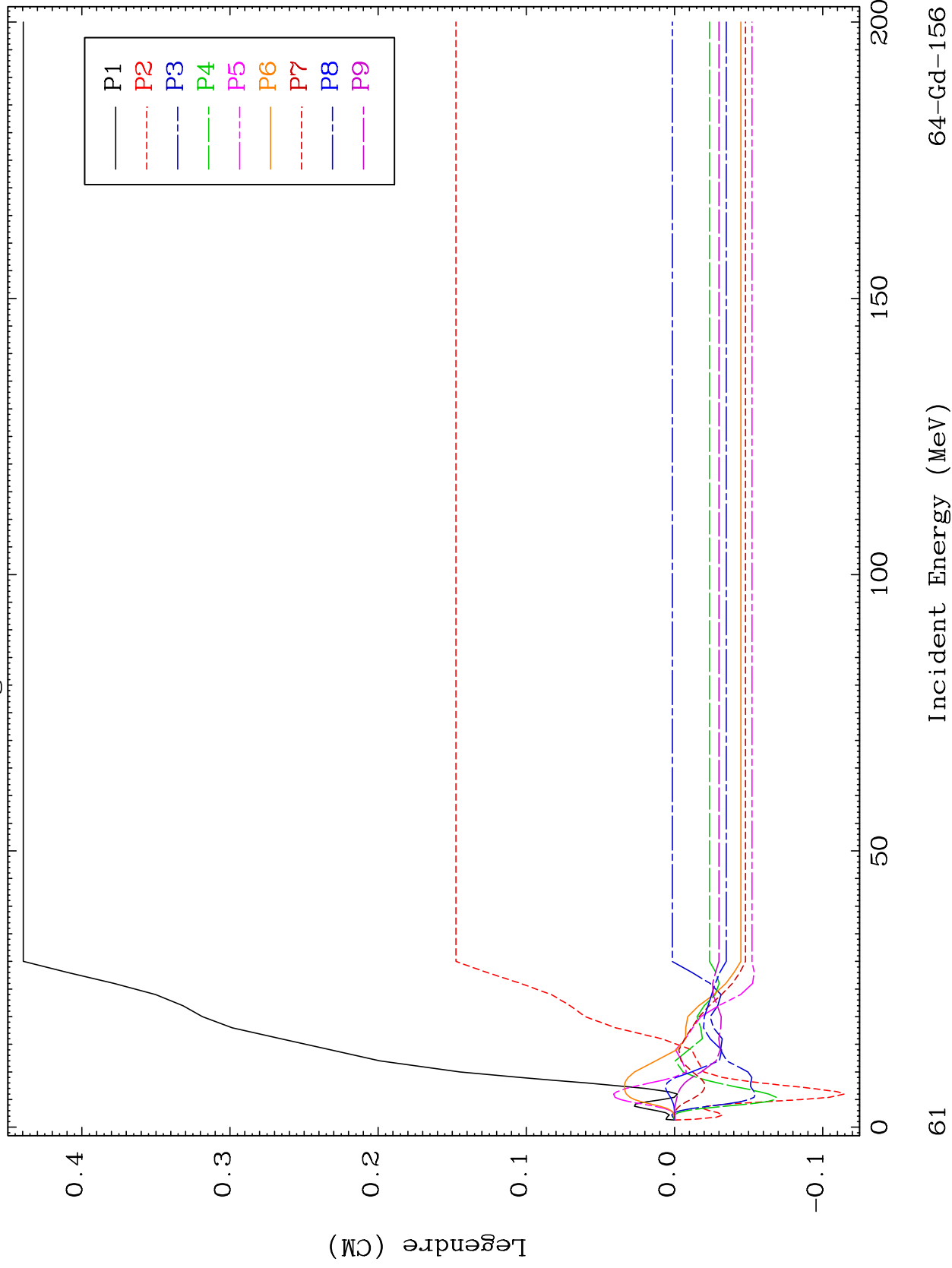
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

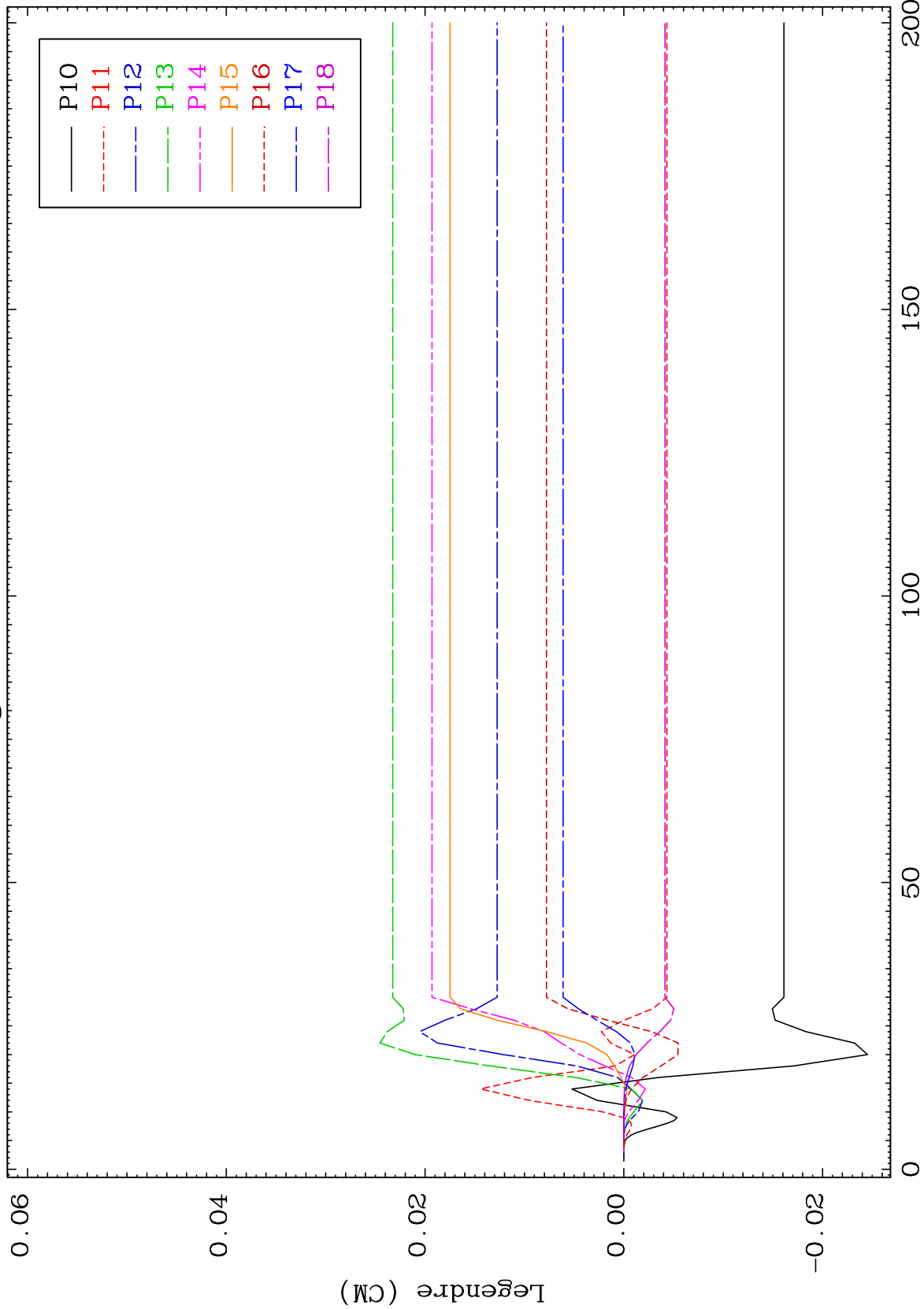
Incident Energy (MeV)

61

MAT 6437

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

64-Gd-156



62

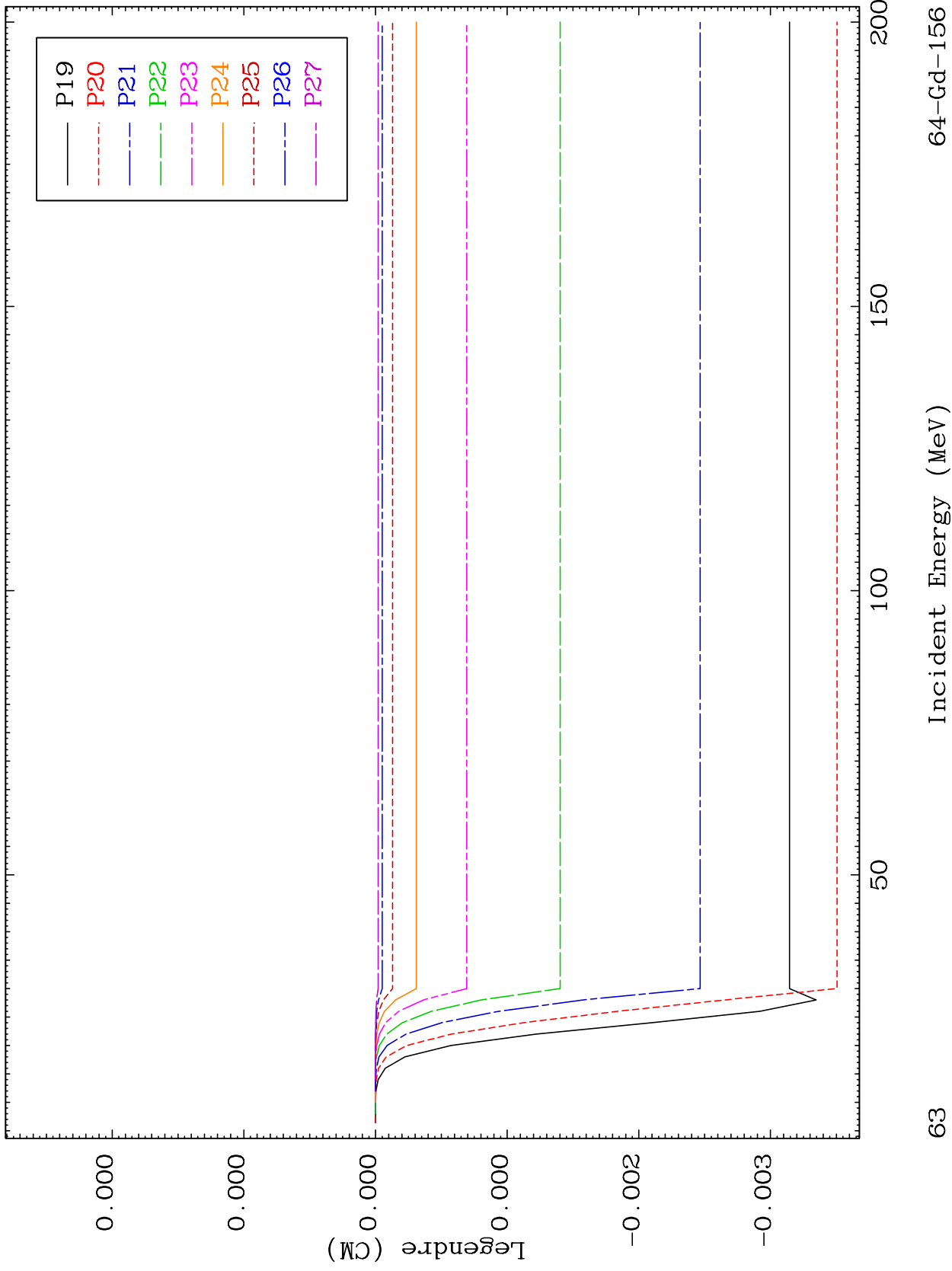
Incident Energy (MeV)

64-Gd-156

MAT 6437

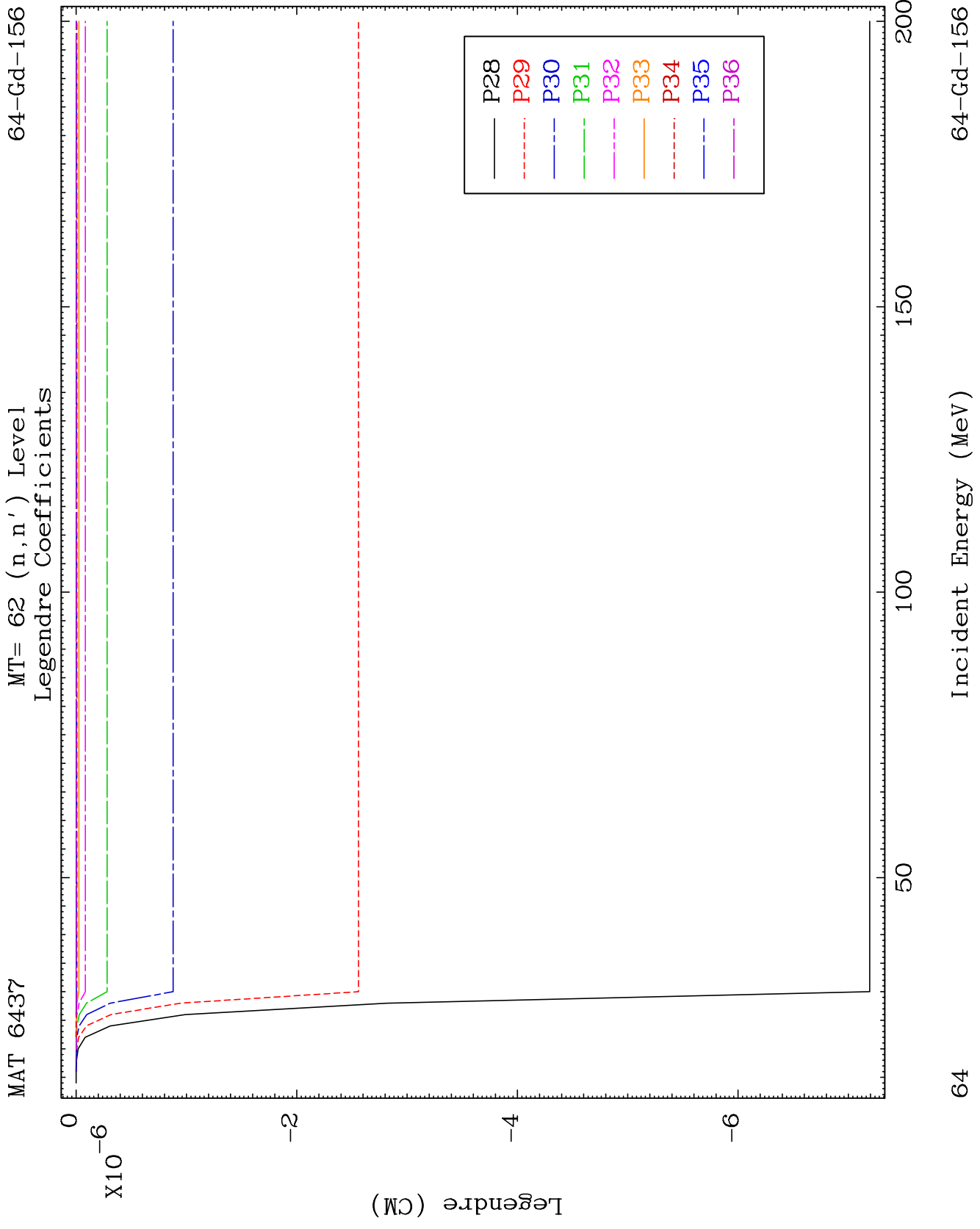
MT= 62 (n,n') Level
Legendre Coefficients

64-Gd-156



63

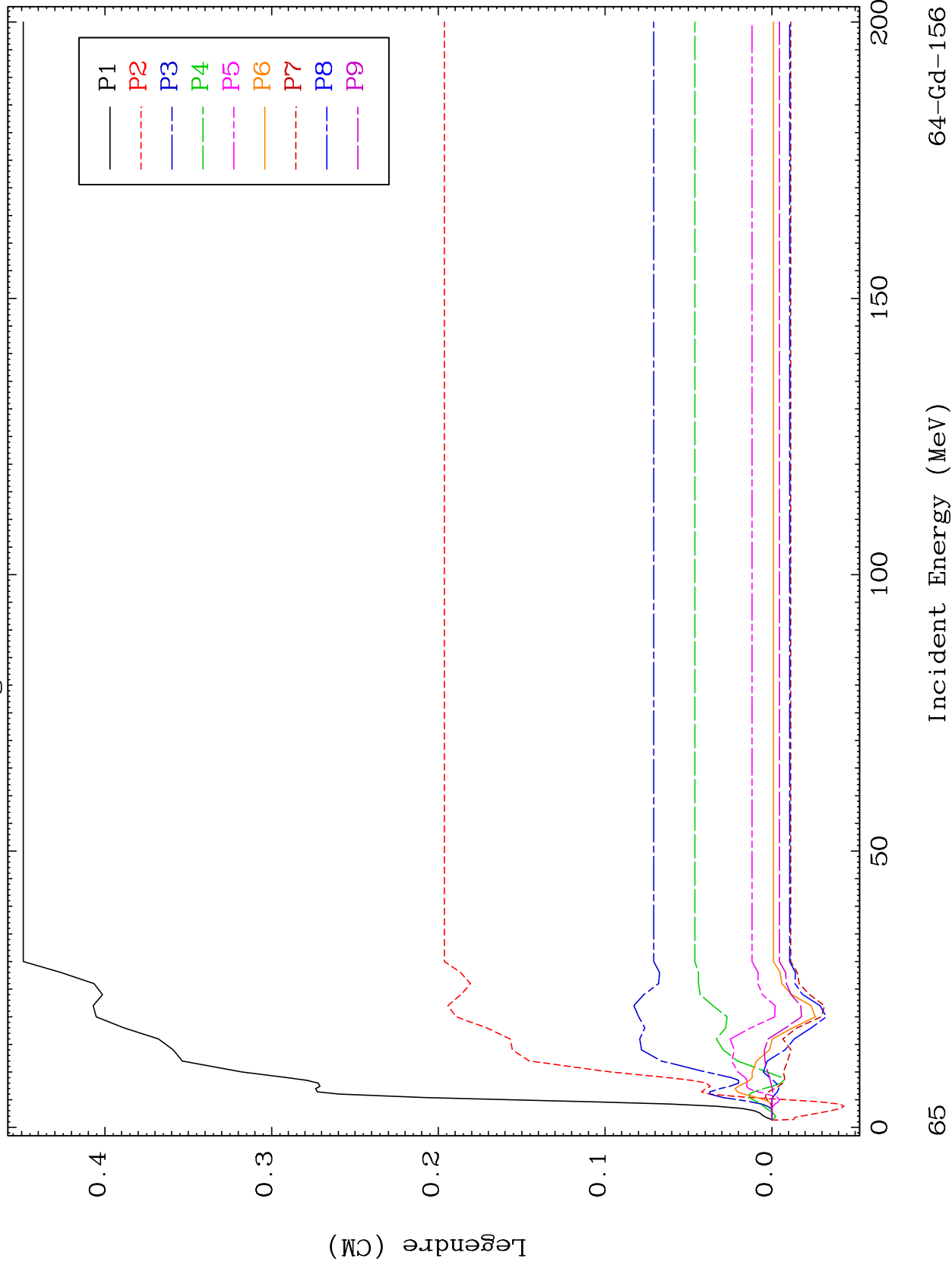
64-Gd-156



MAT 6437

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

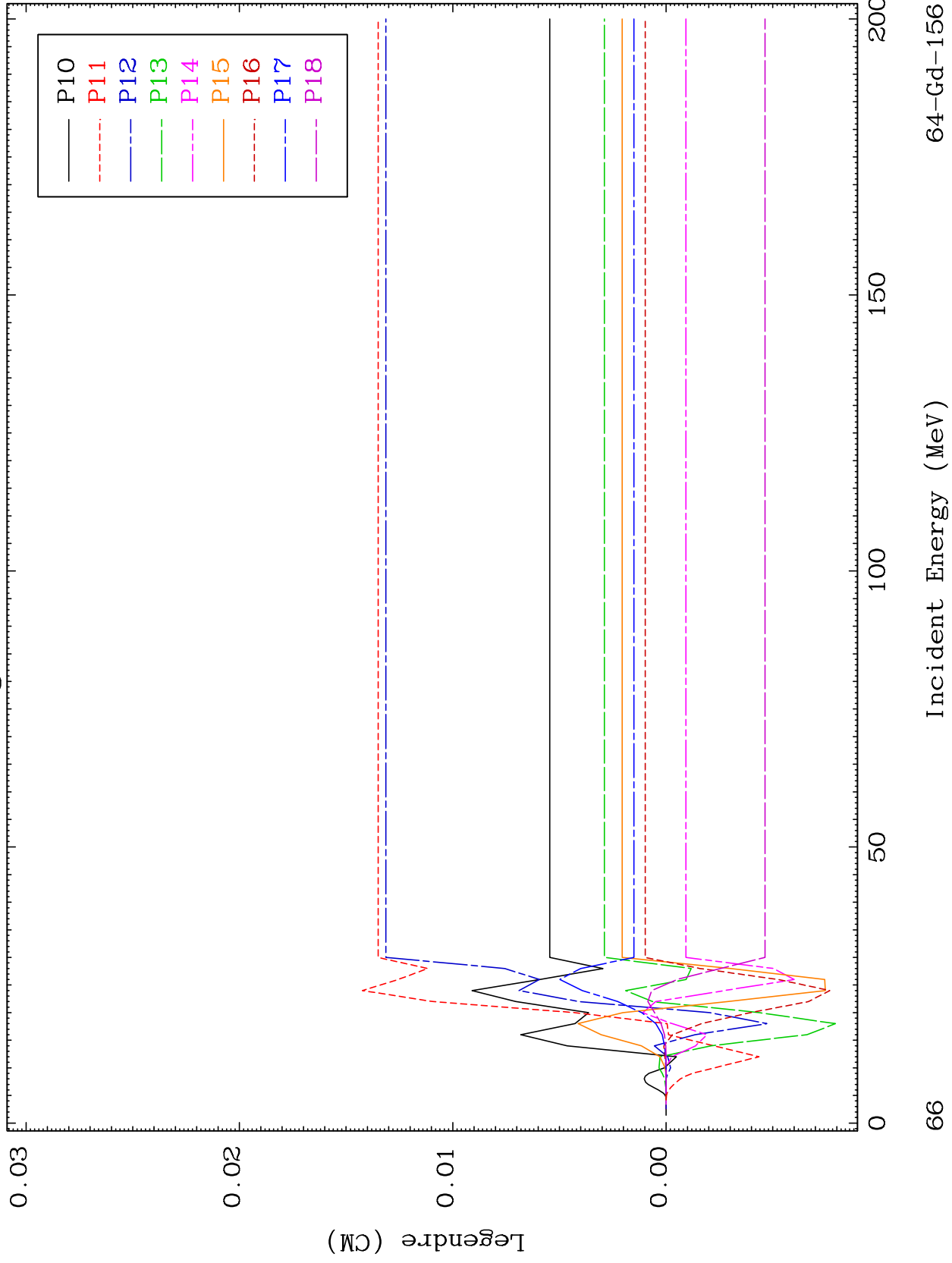
64-Gd-156



MAT 6437

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

64-Gd-156



64-Gd-156

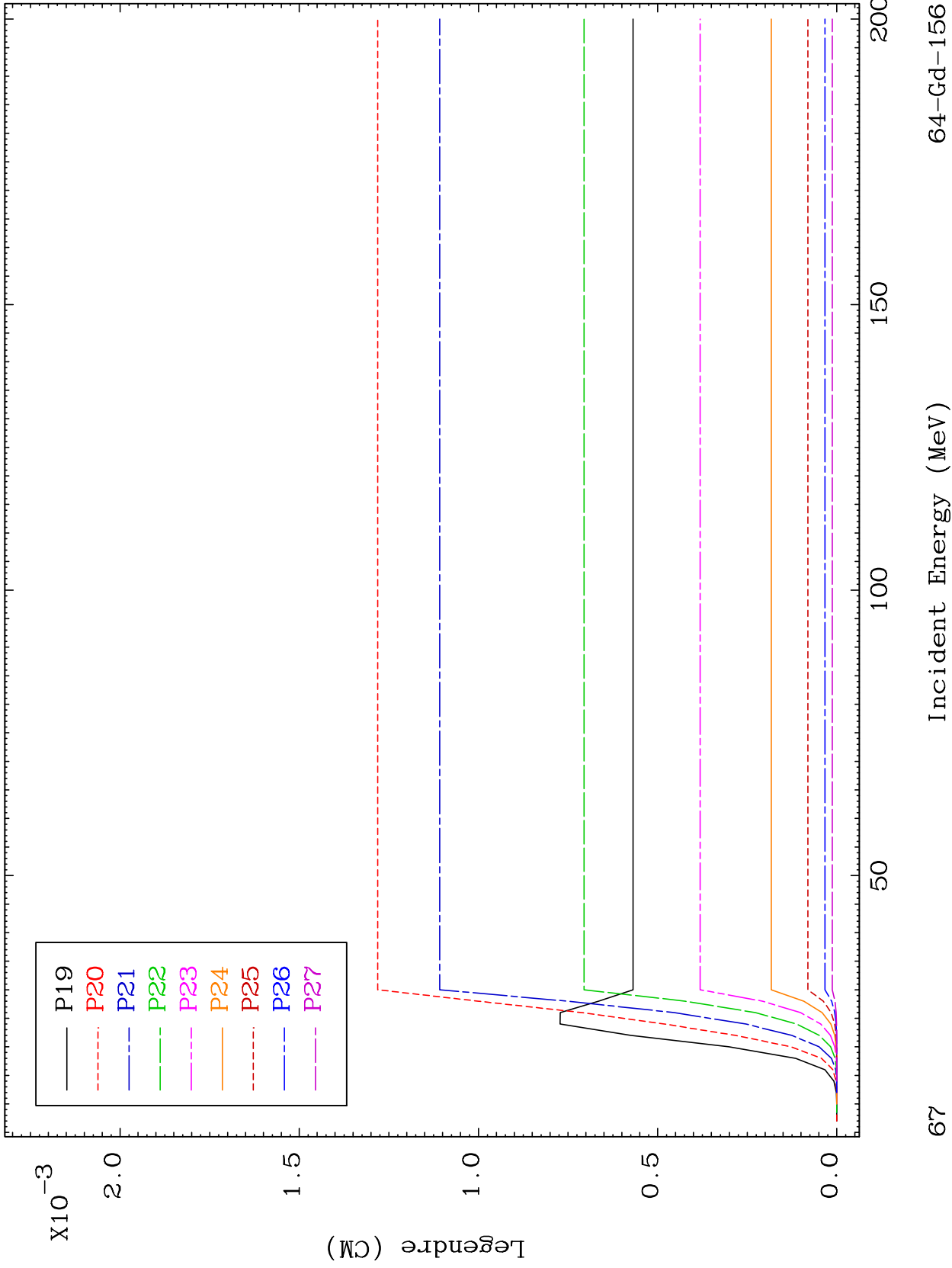
Incident Energy (MeV)

66

MAT 6437

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

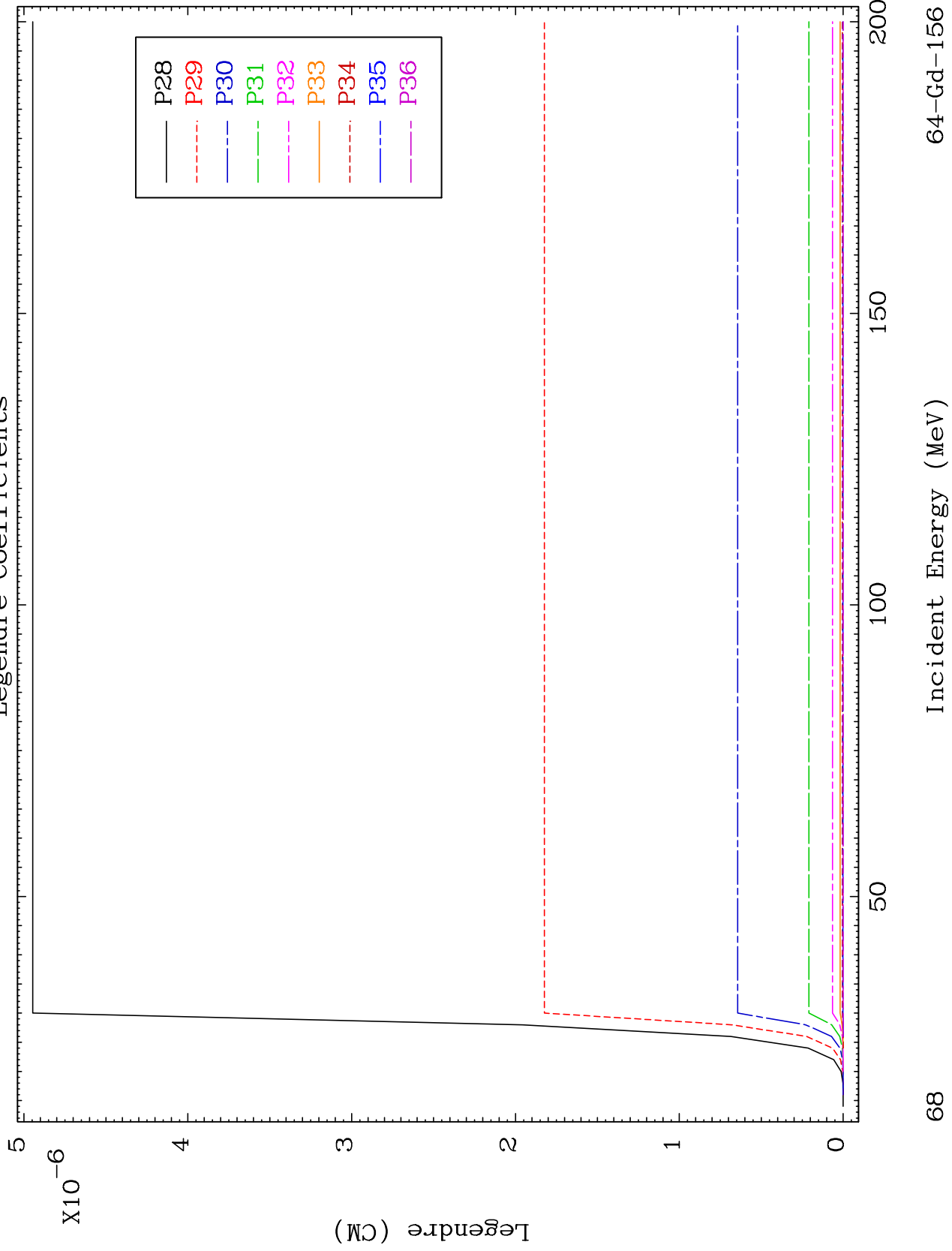
64-Gd-156



MAT 6437

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

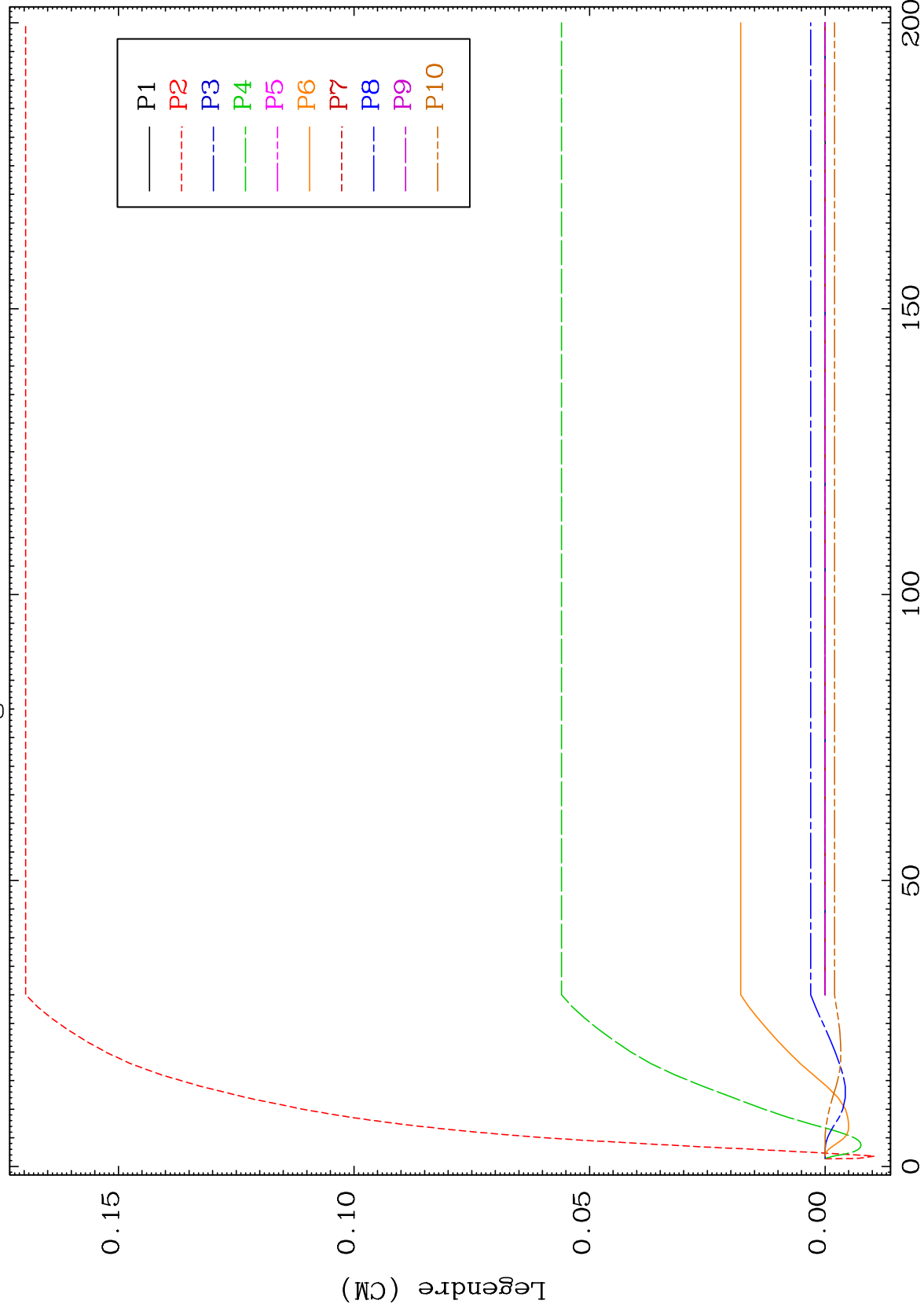
64-Gd-156



MAT 6437

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

64-Gd-156



69

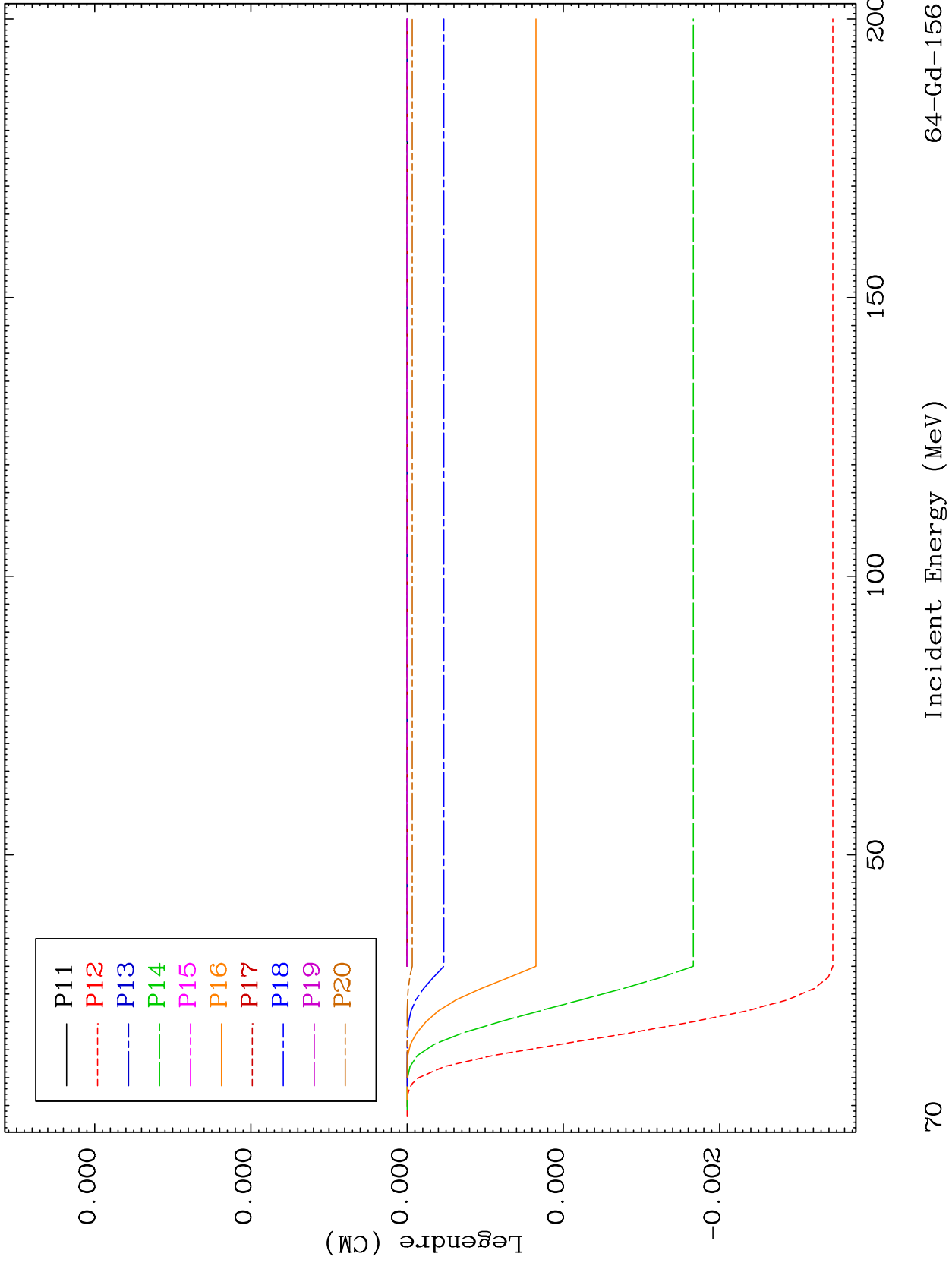
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



70

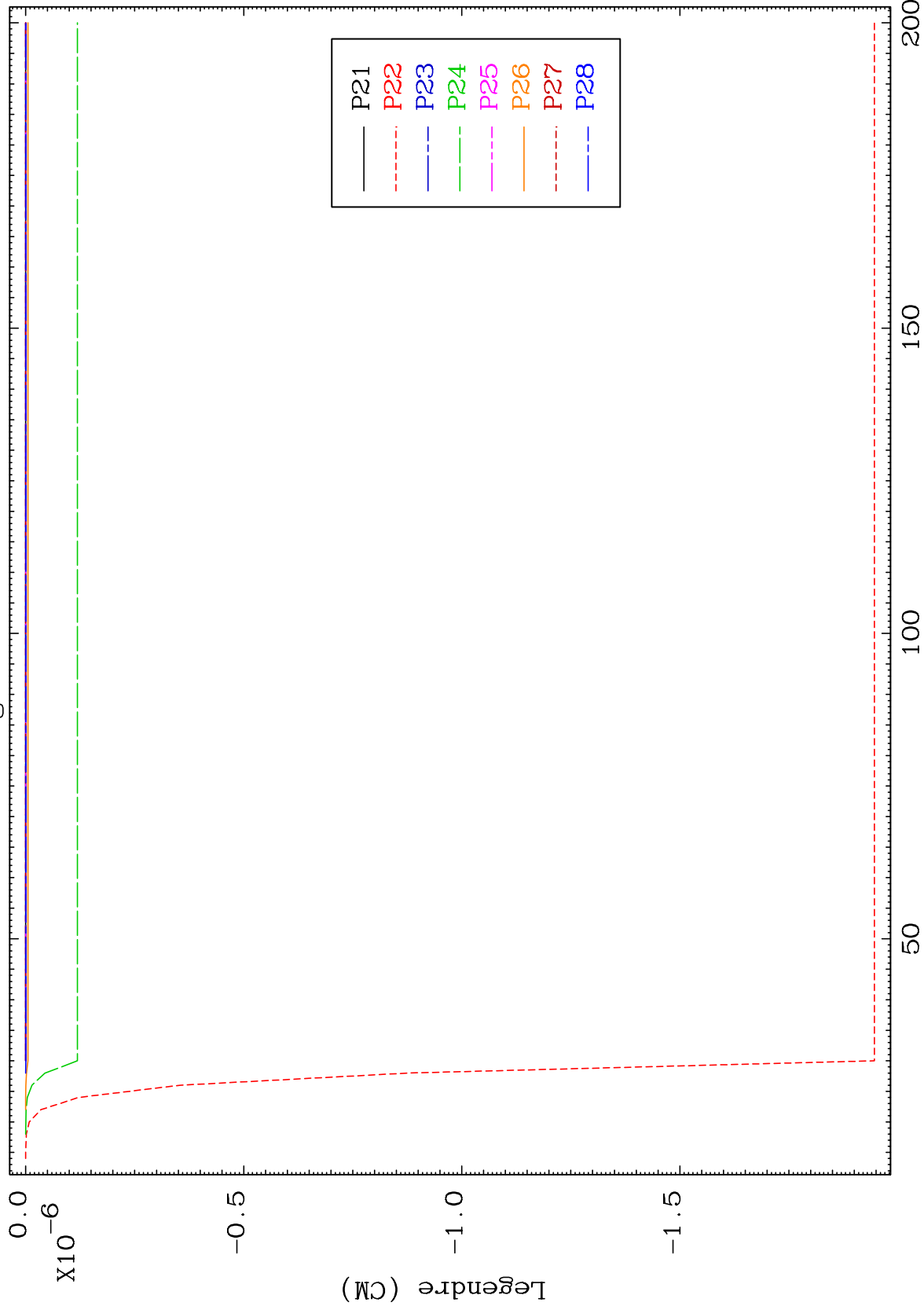
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

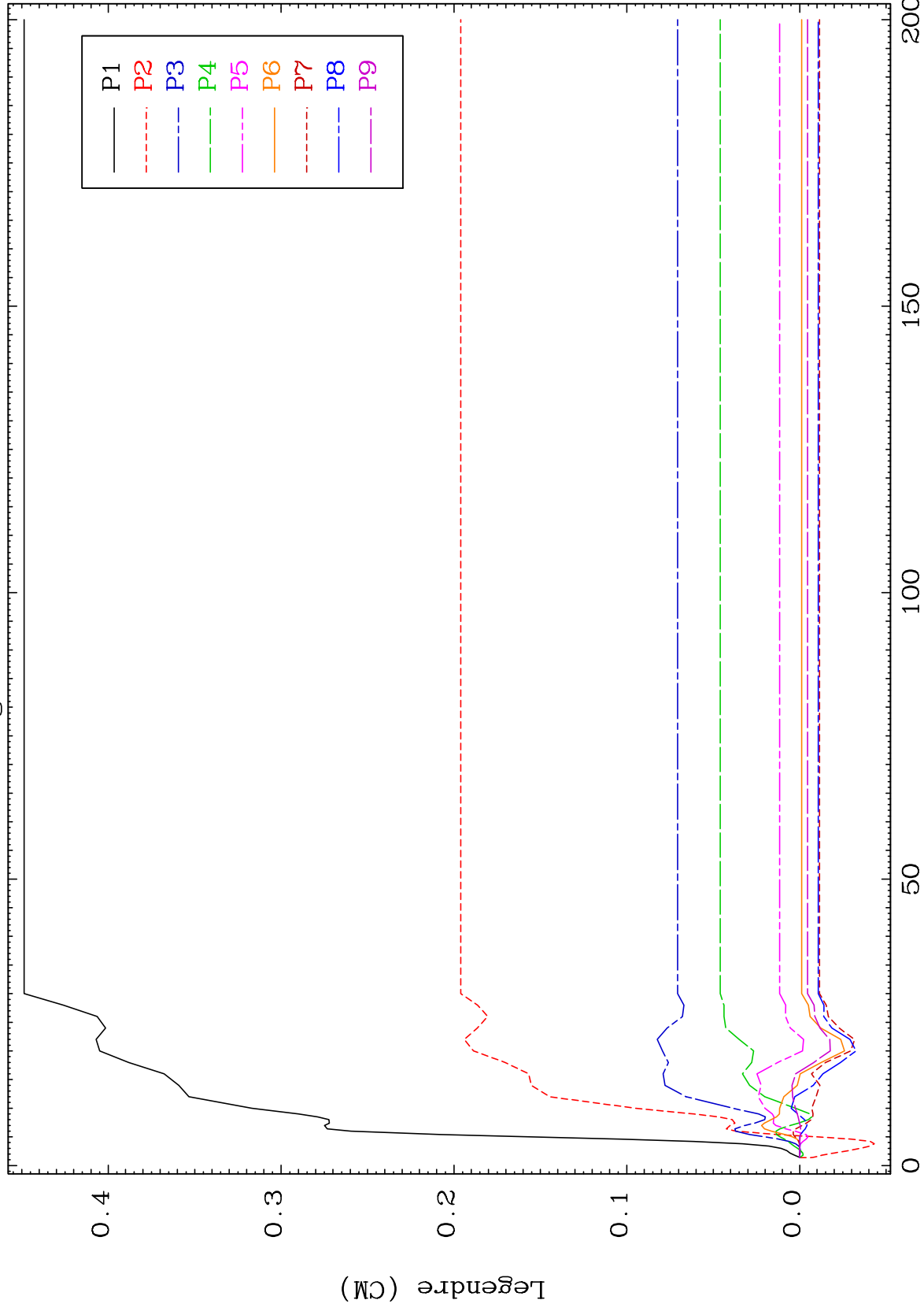
64-Gd-156



MAT 6437

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

64-Gd-156



64-Gd-156

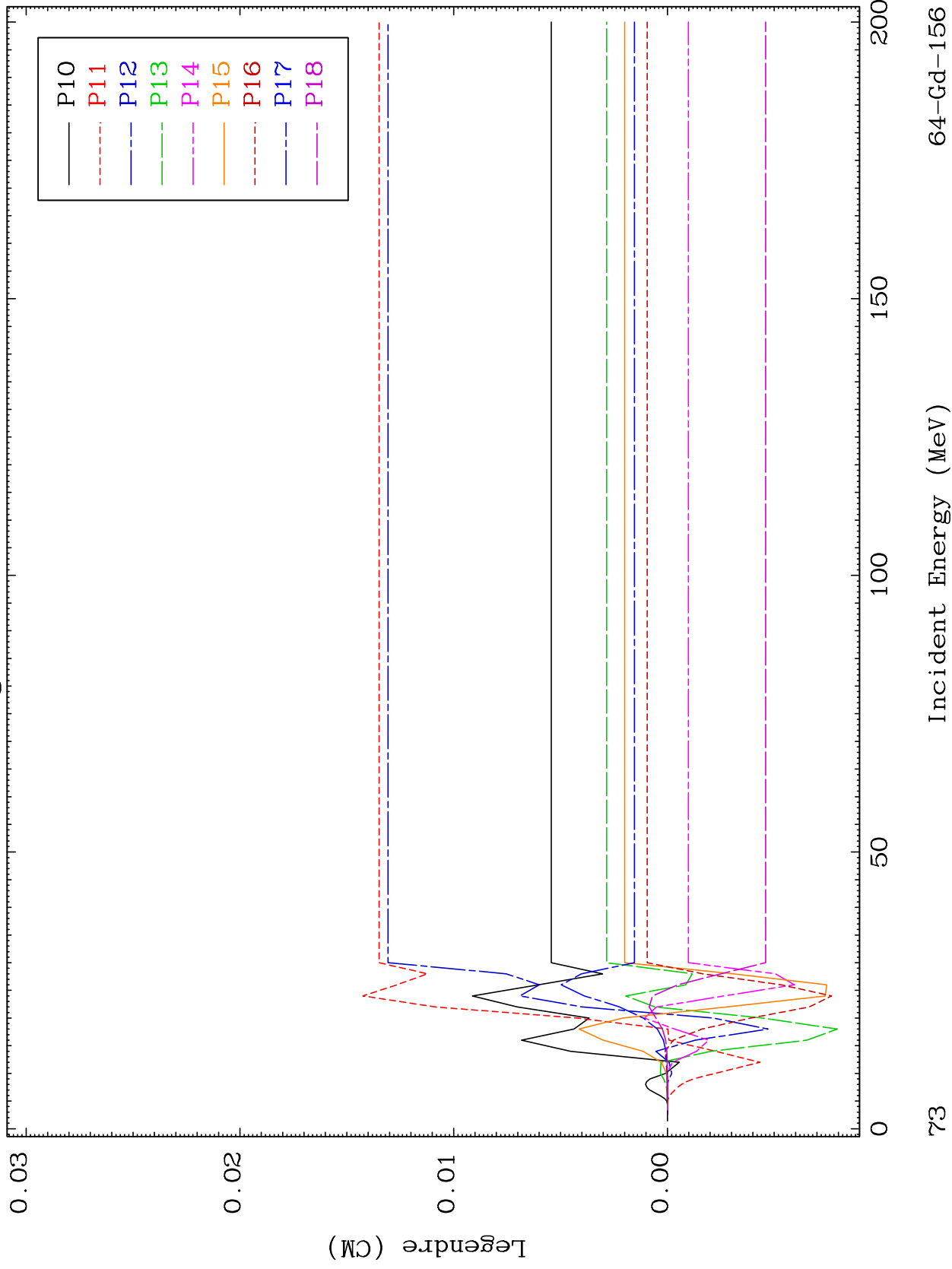
Incident Energy (MeV)

72

MAT 6437

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

64-Gd-156



64-Gd-156

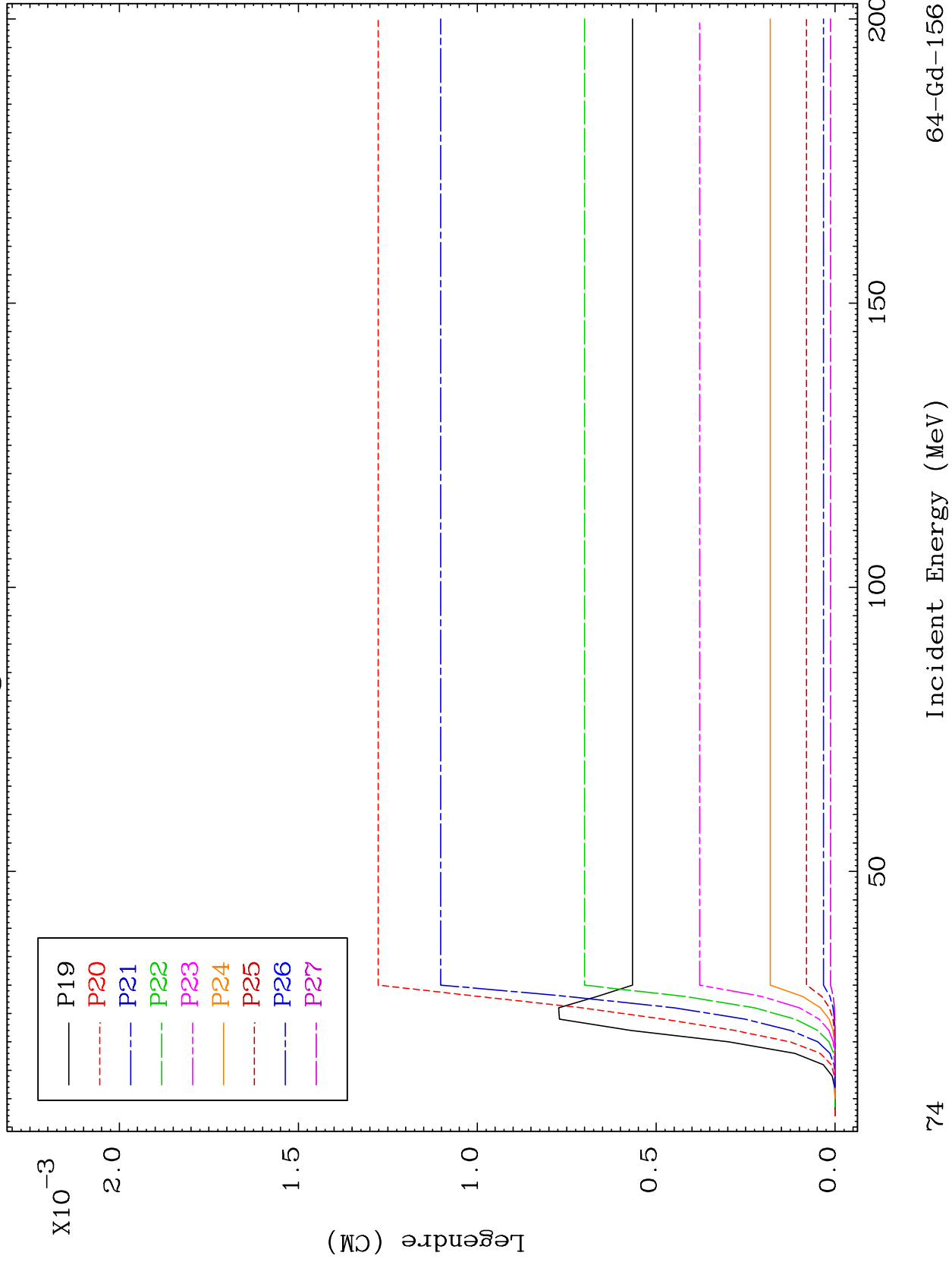
Incident Energy (MeV)

73

MAT 6437

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

64-Gd-156



74

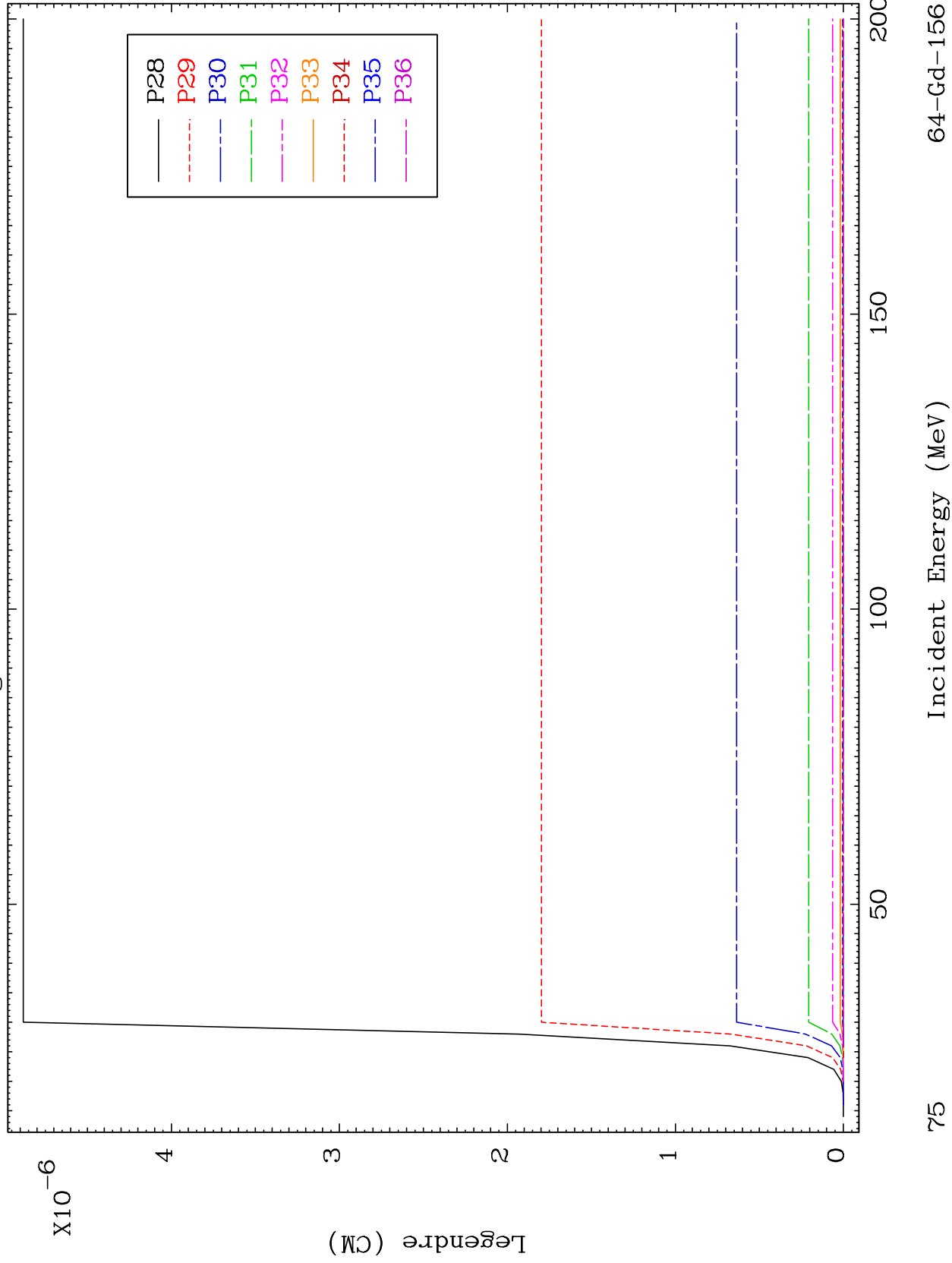
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



75

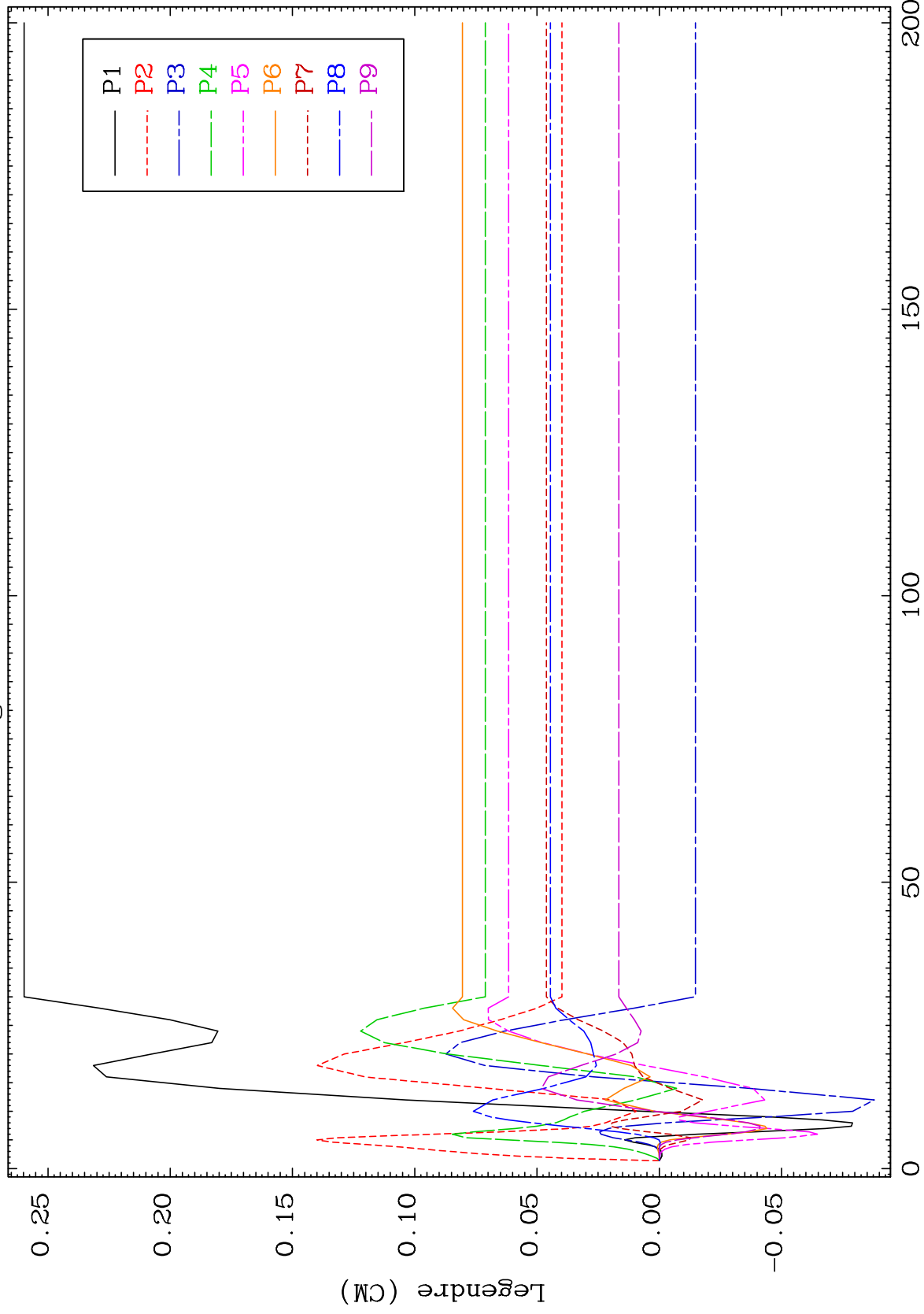
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



76

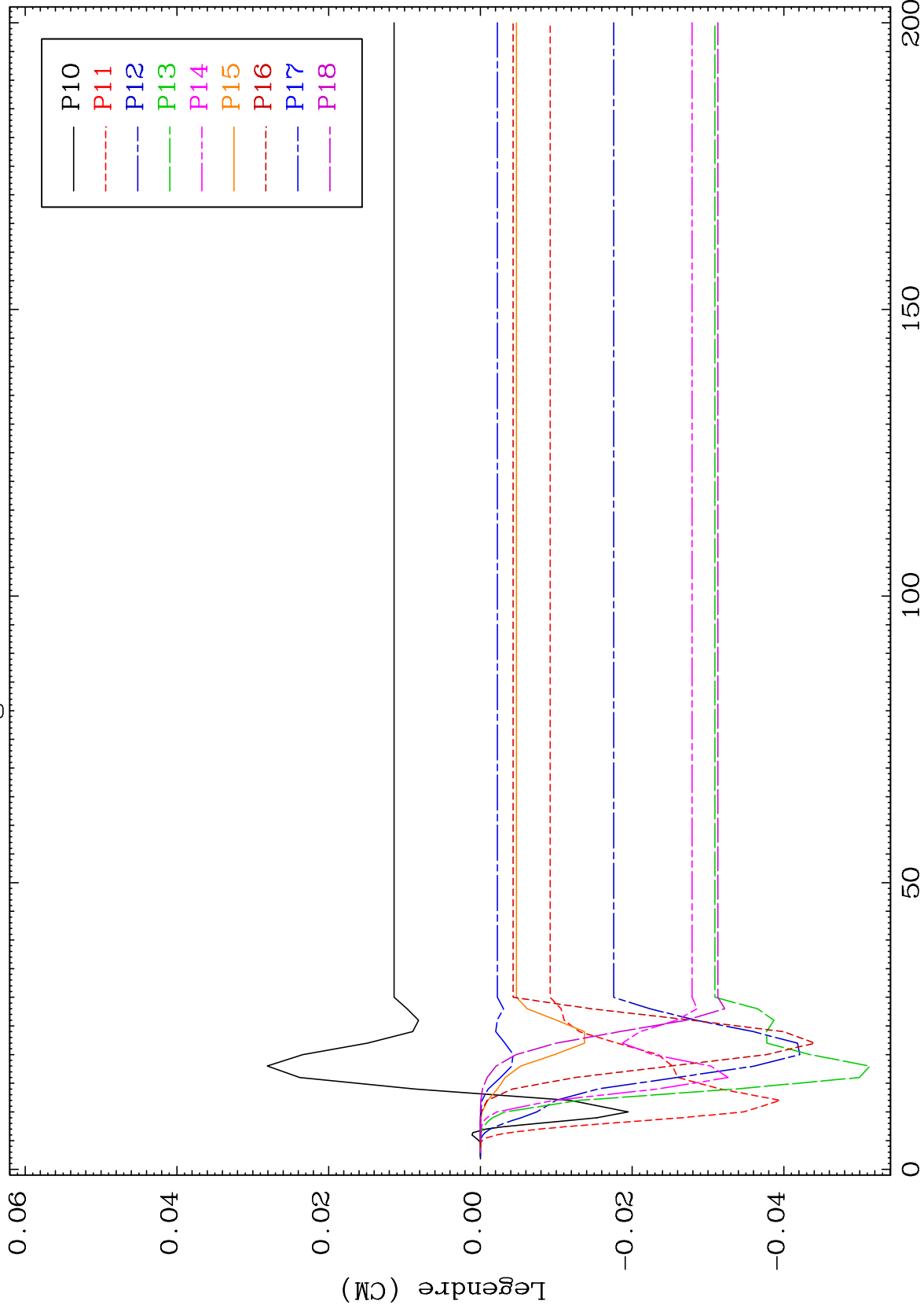
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



77

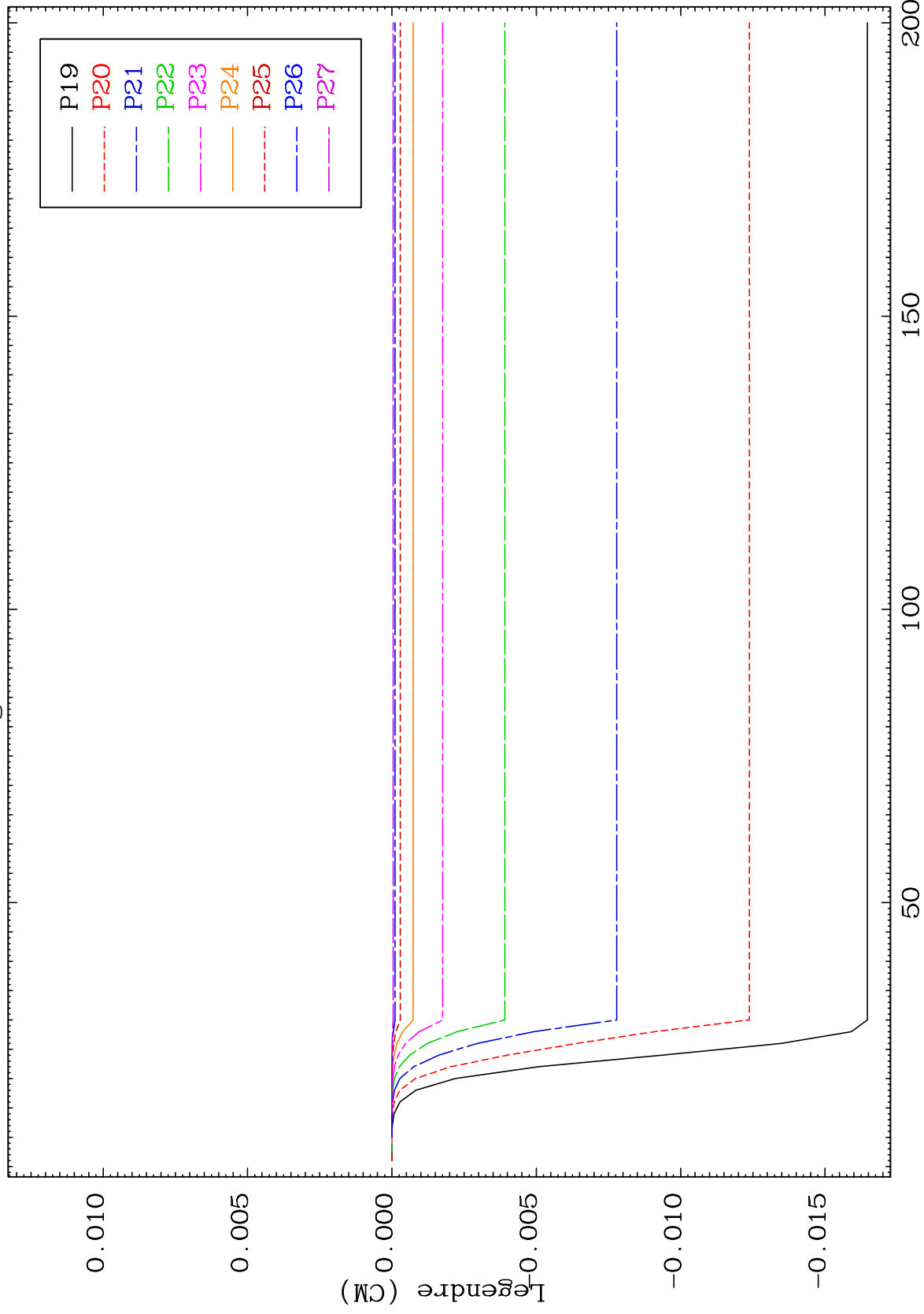
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

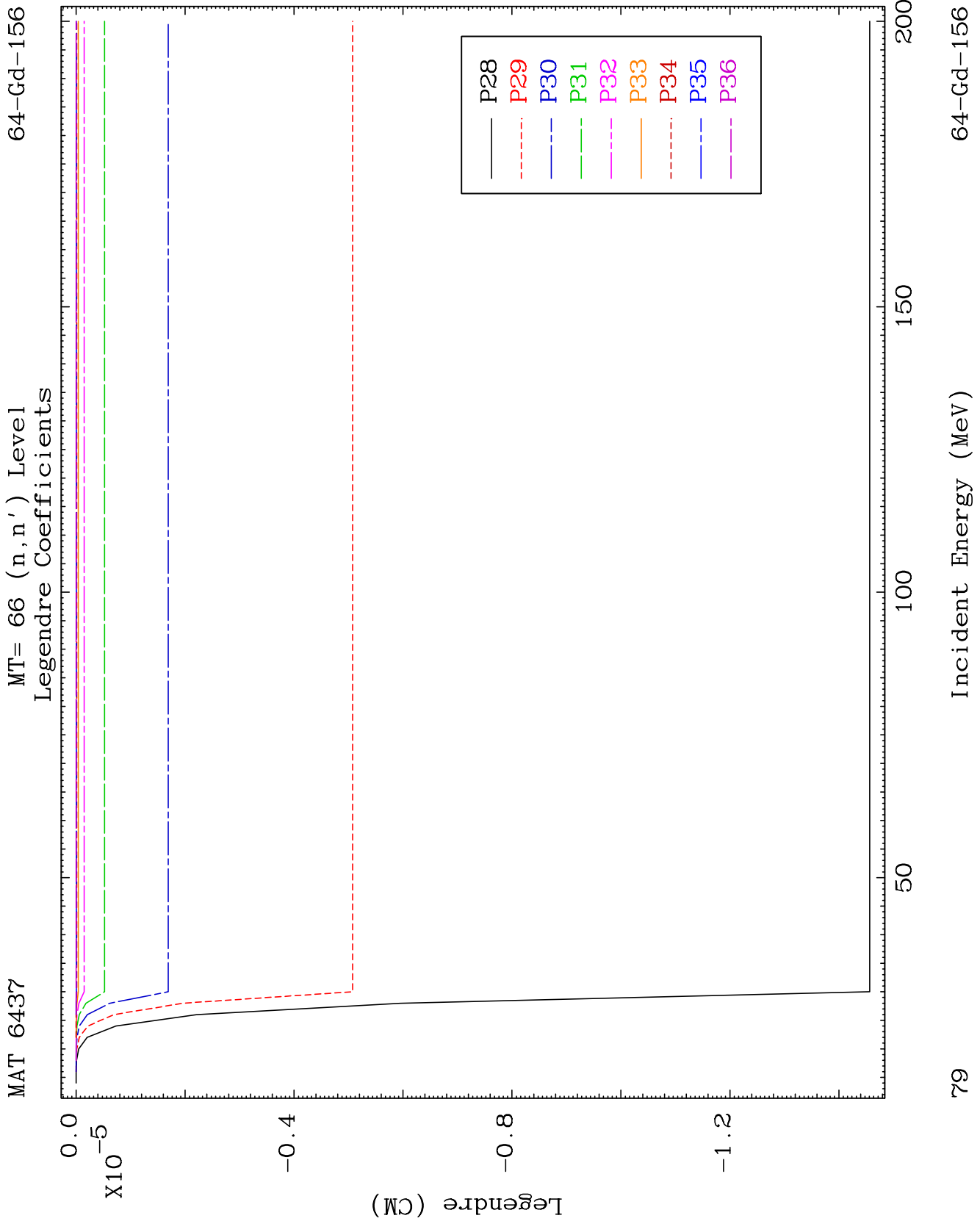
64-Gd-156



78

Incident Energy (MeV)

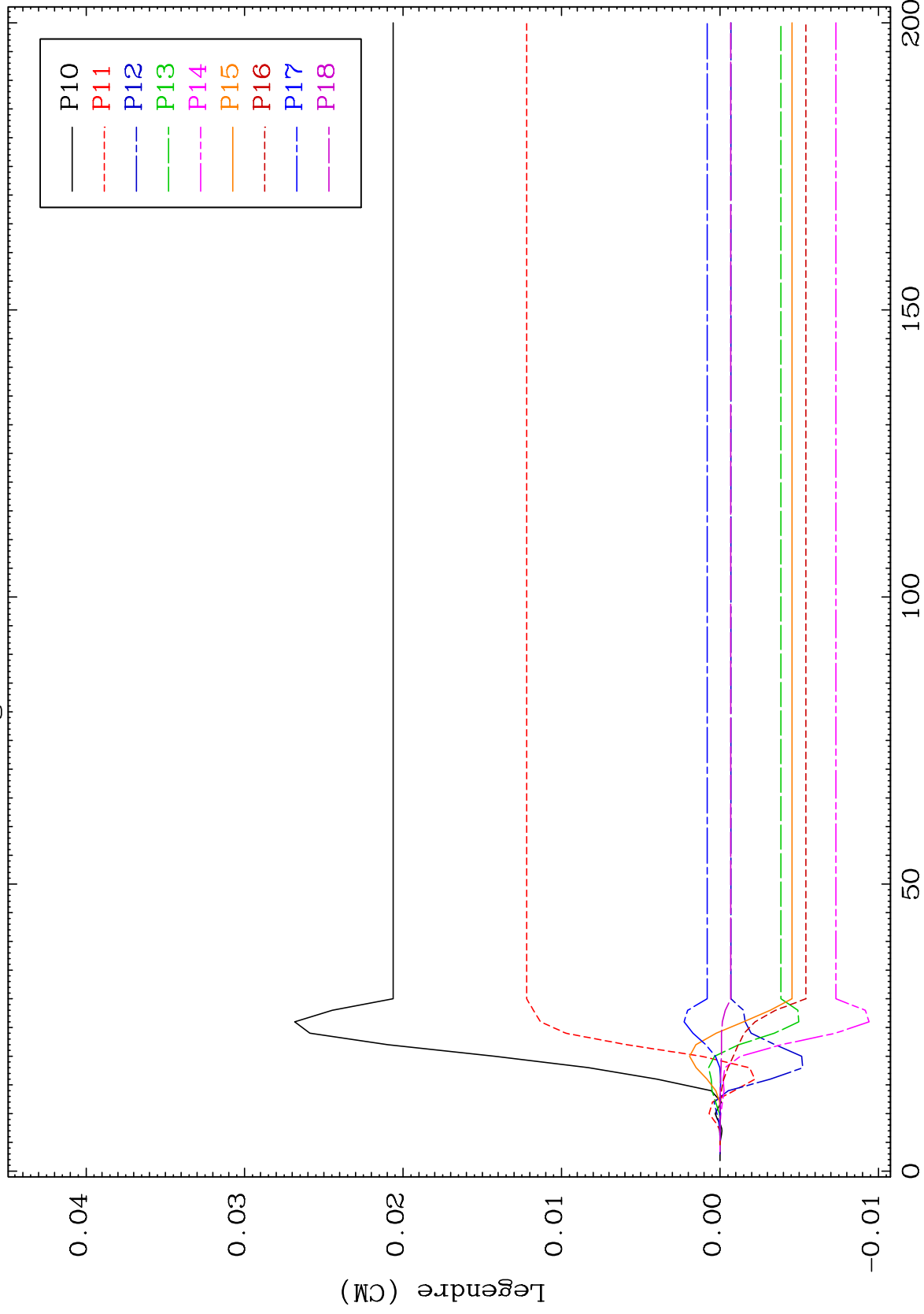
64-Gd-156



MAT 6437

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

64-Gd-156



81

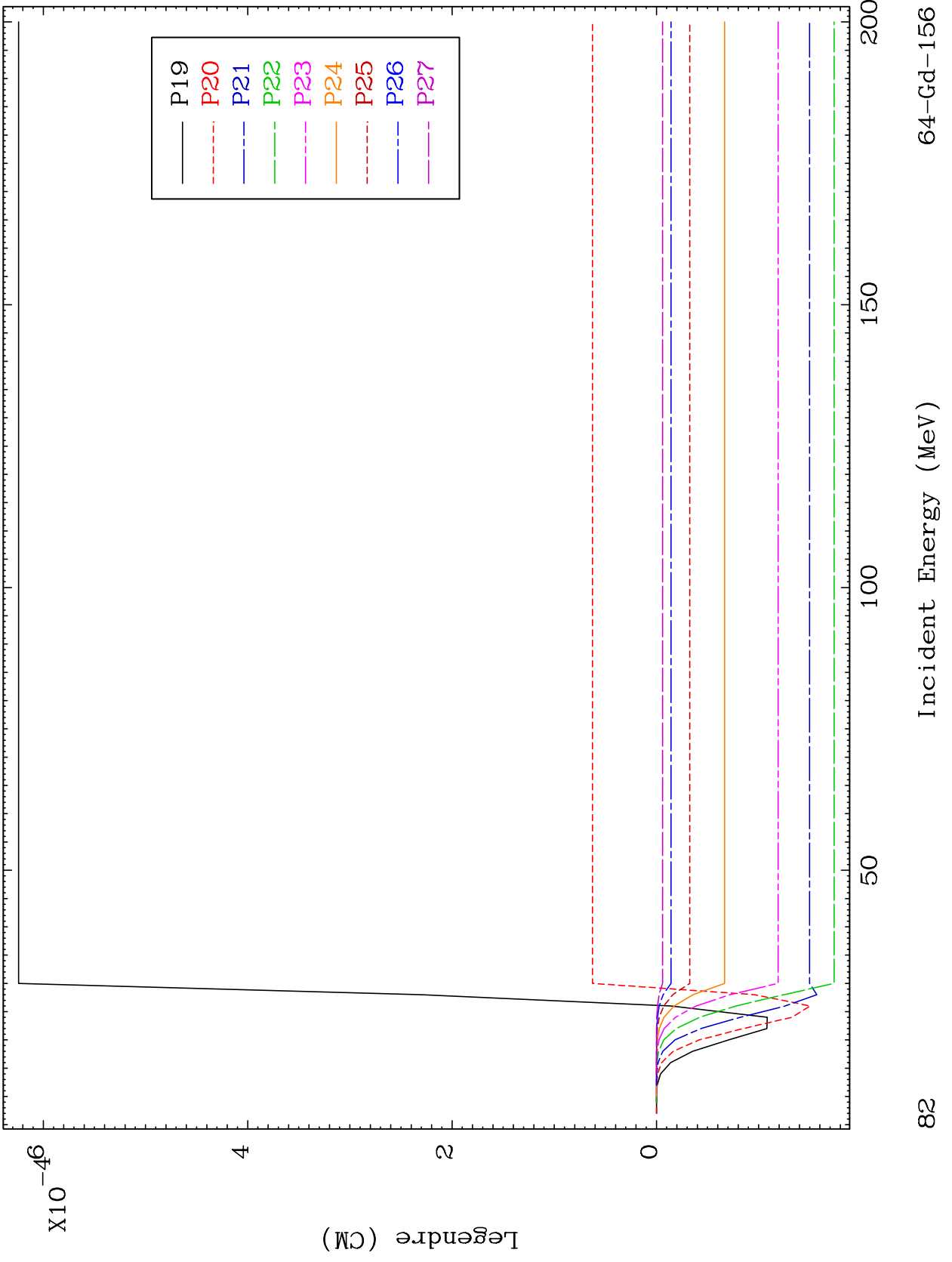
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

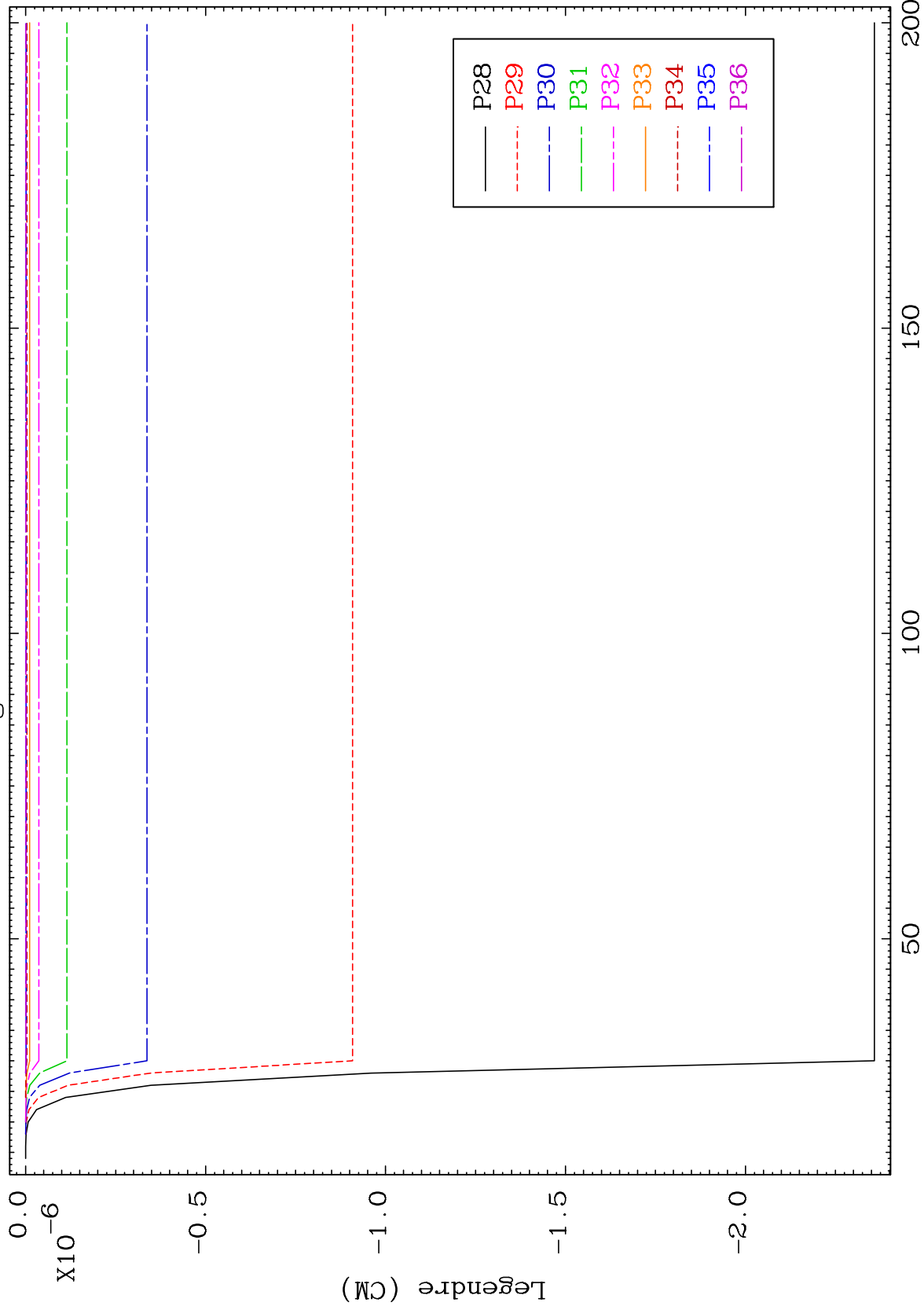
64-Gd-156



MAT 6437

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

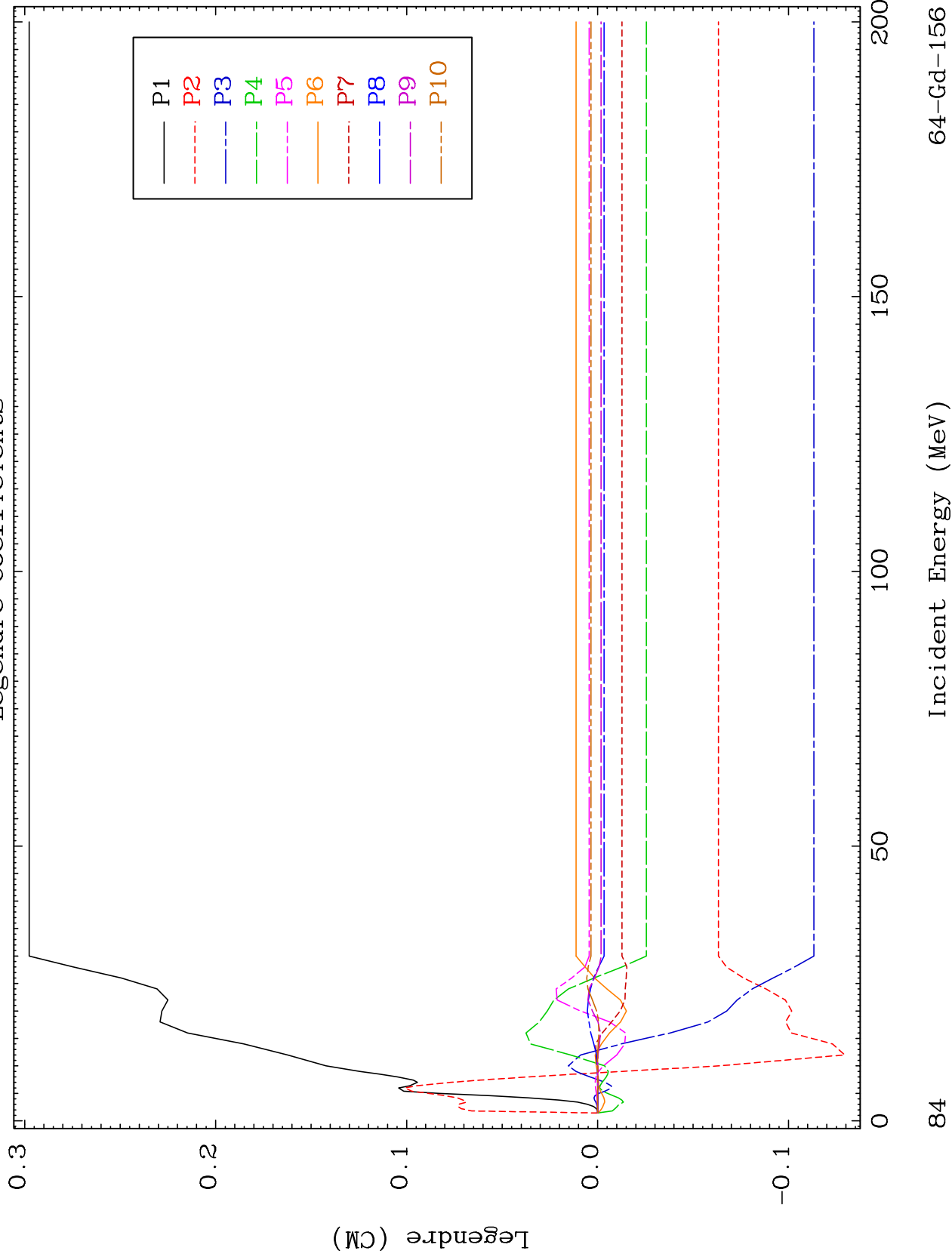
64-Gd-156



MAT 6437

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

64-Gd-156



64-Gd-156

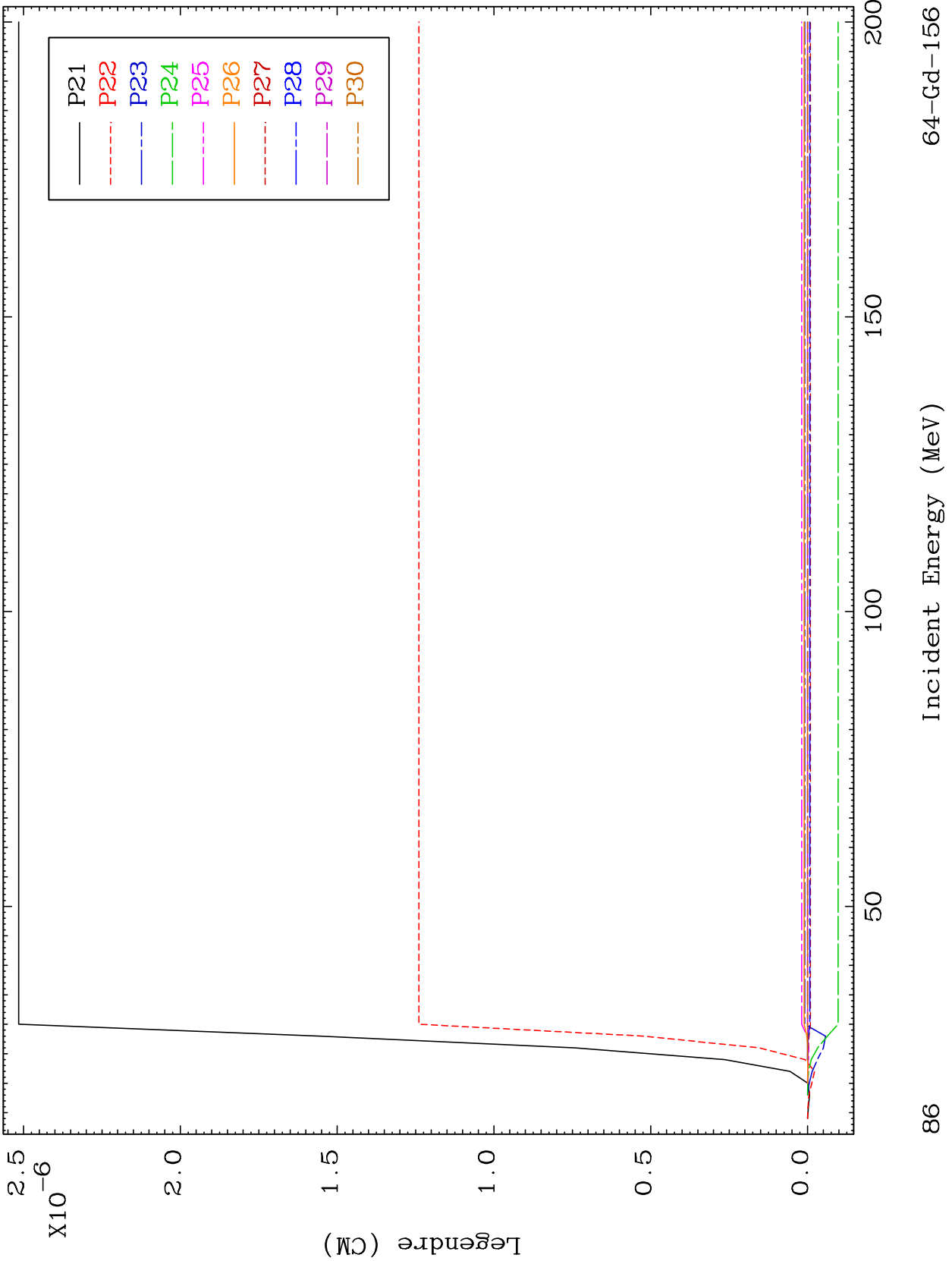
Incident Energy (MeV)

84

MAT 6437

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

64-Gd-156



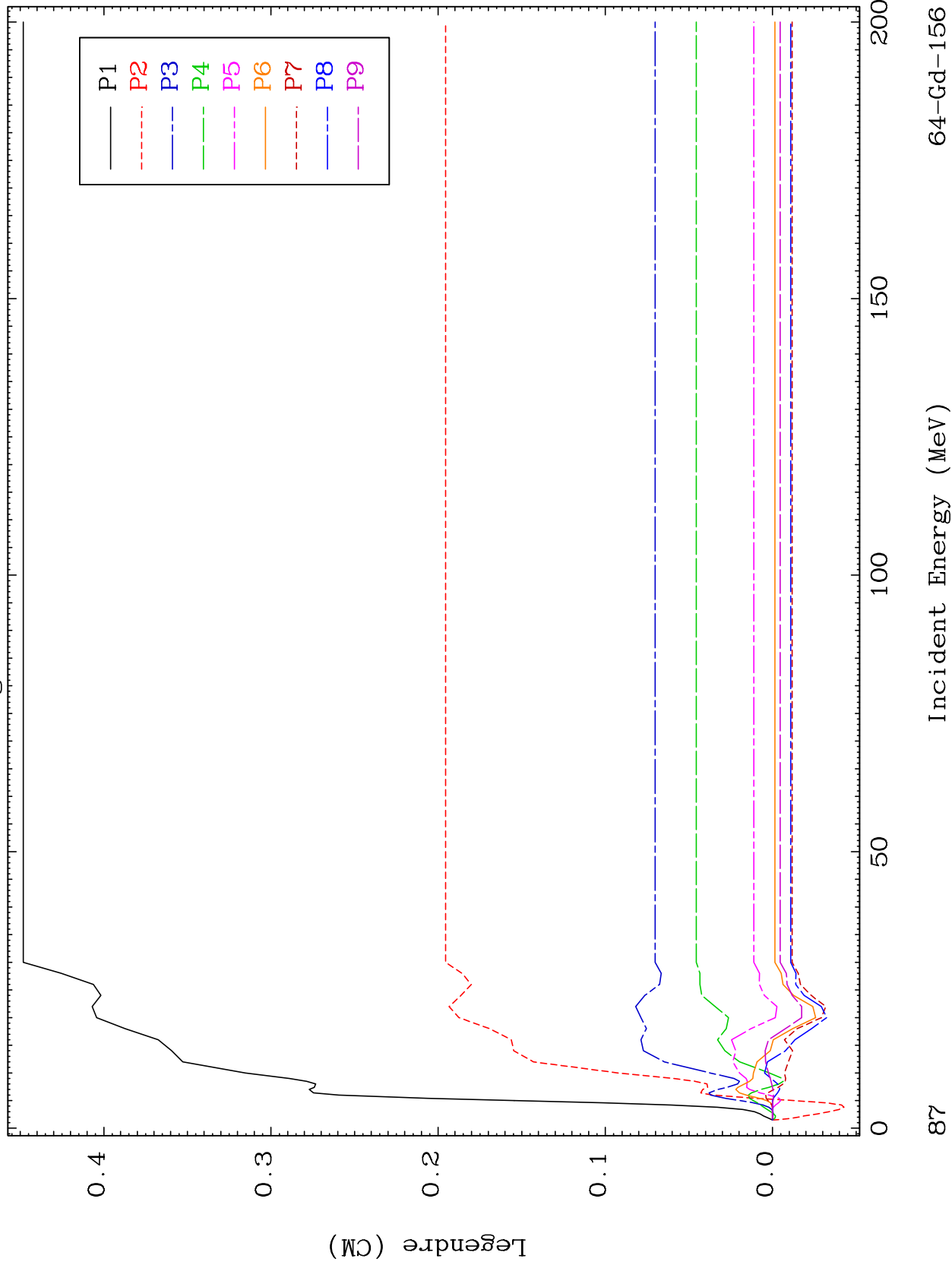
86

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

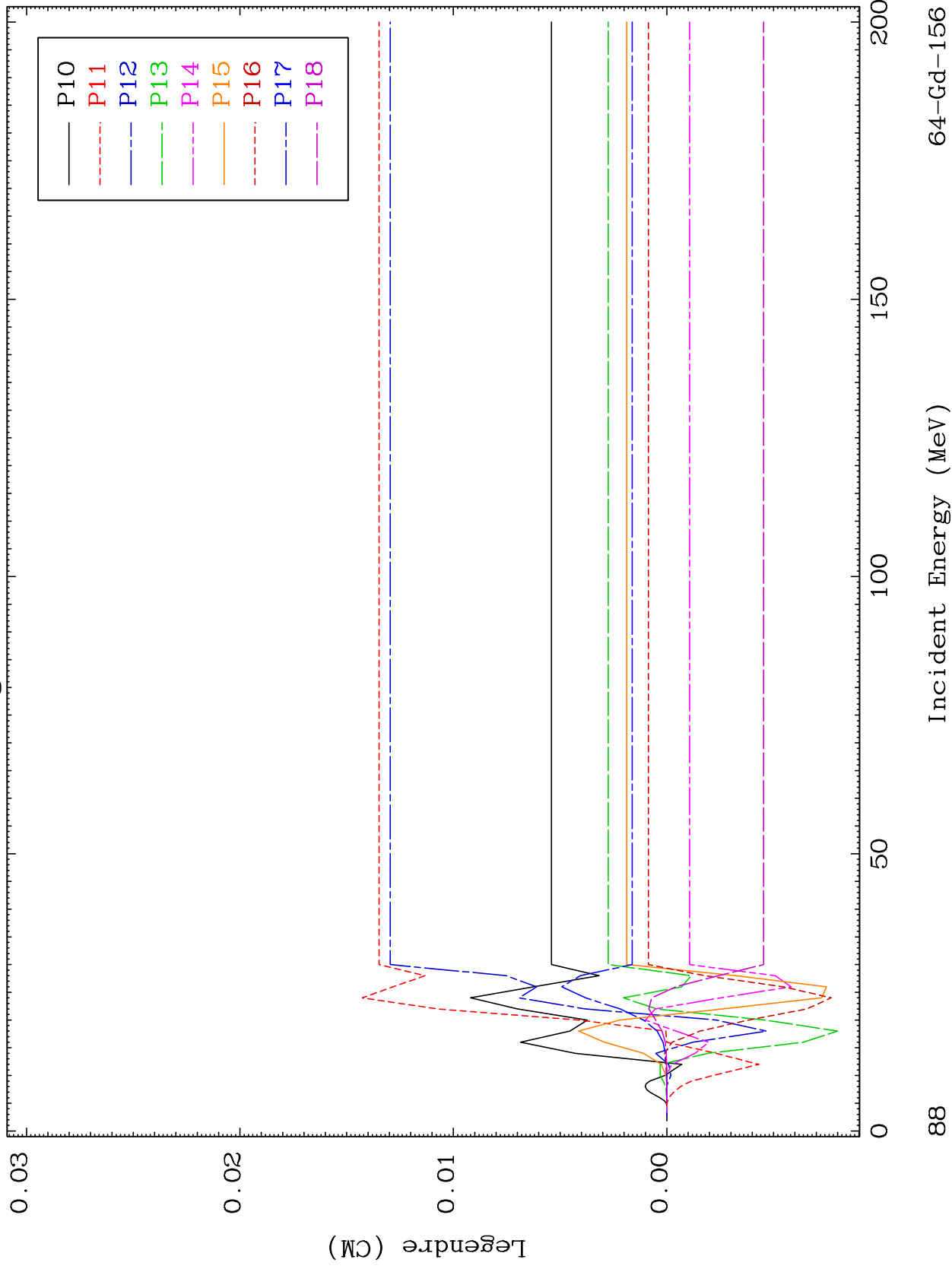
Incident Energy (MeV)

87

MAT 6437

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

64-Gd-156



64-Gd-156

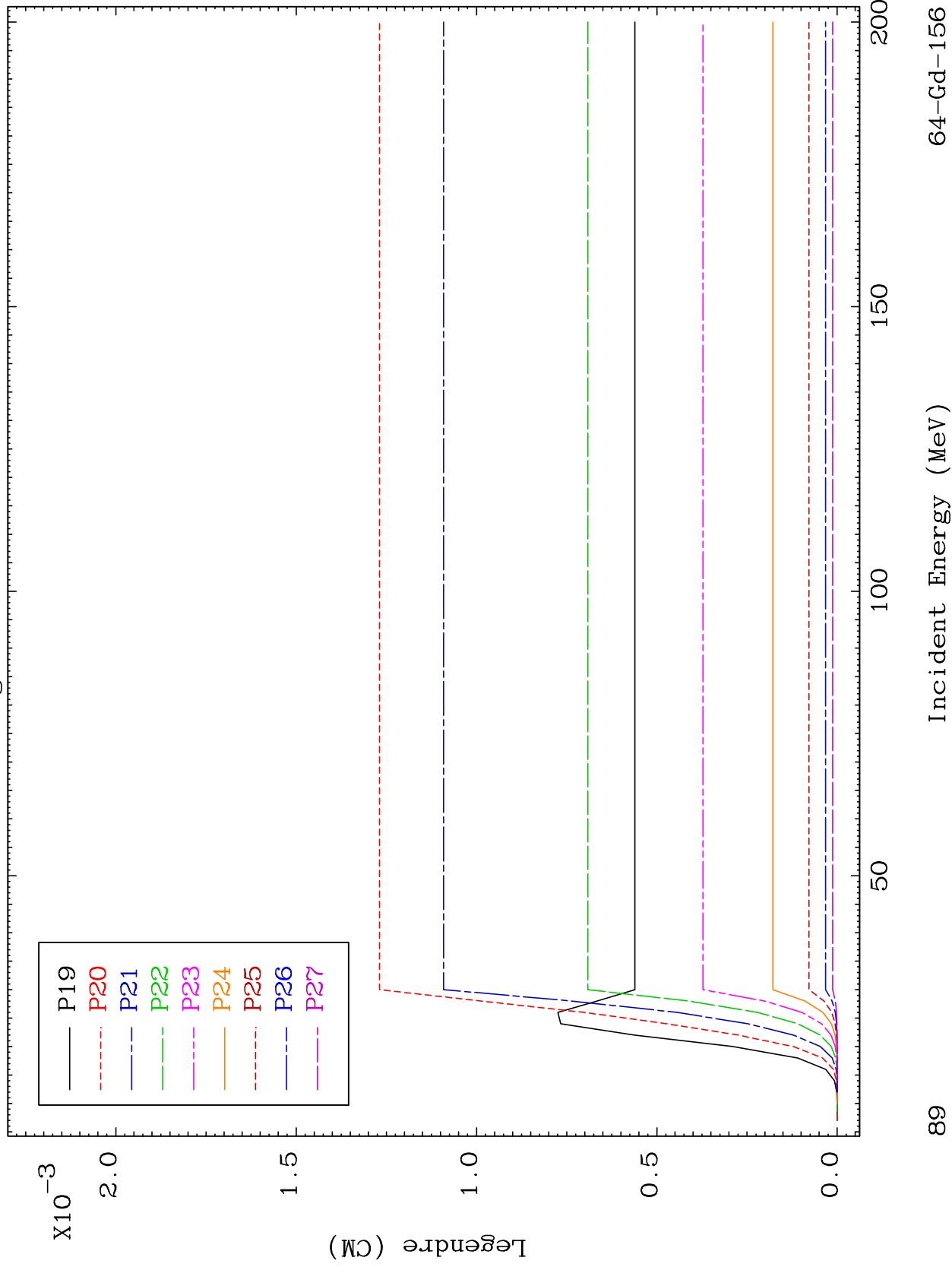
Incident Energy (MeV)

88

MAT 6437

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

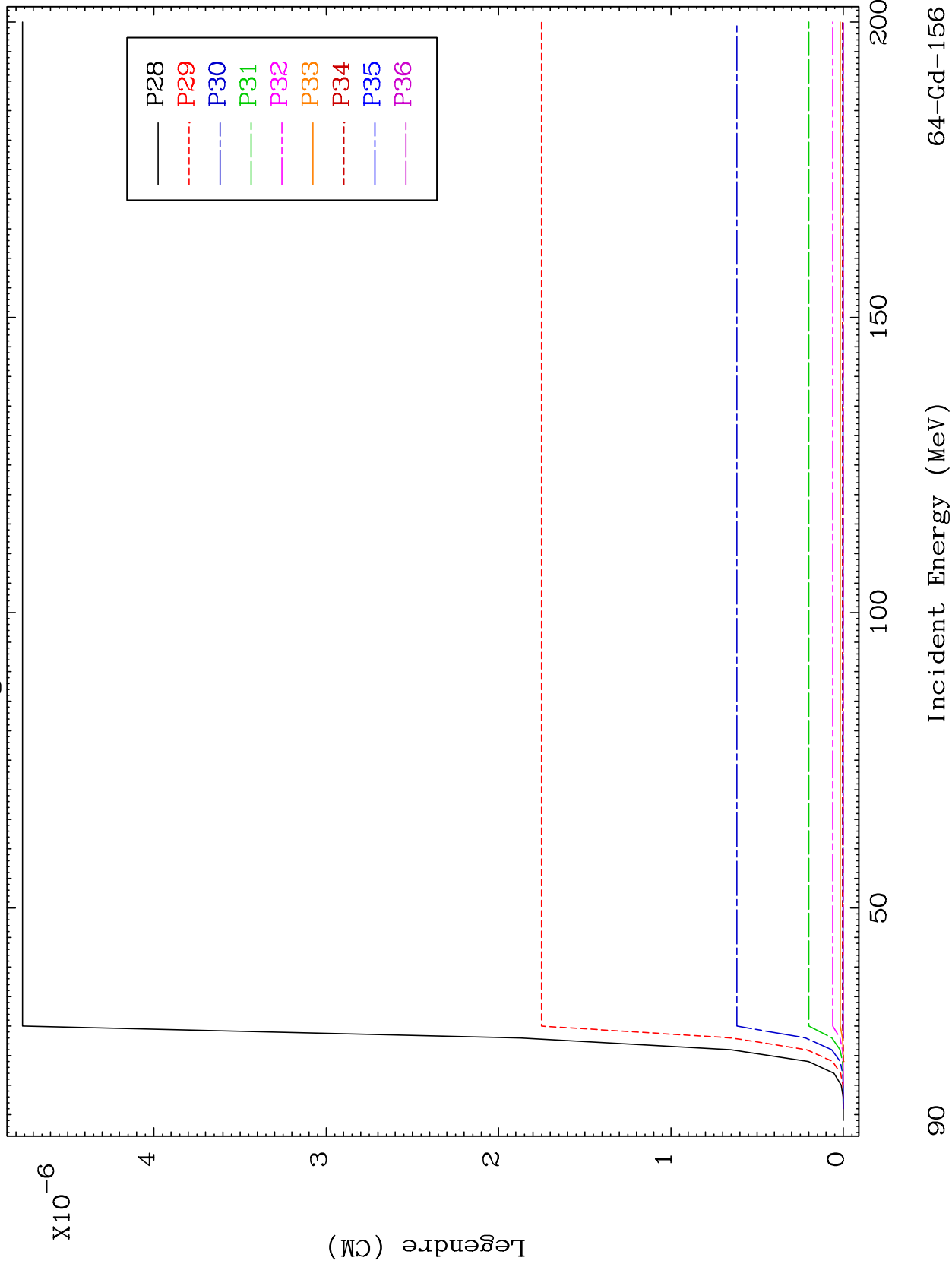
64-Gd-156



MAT 6437

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

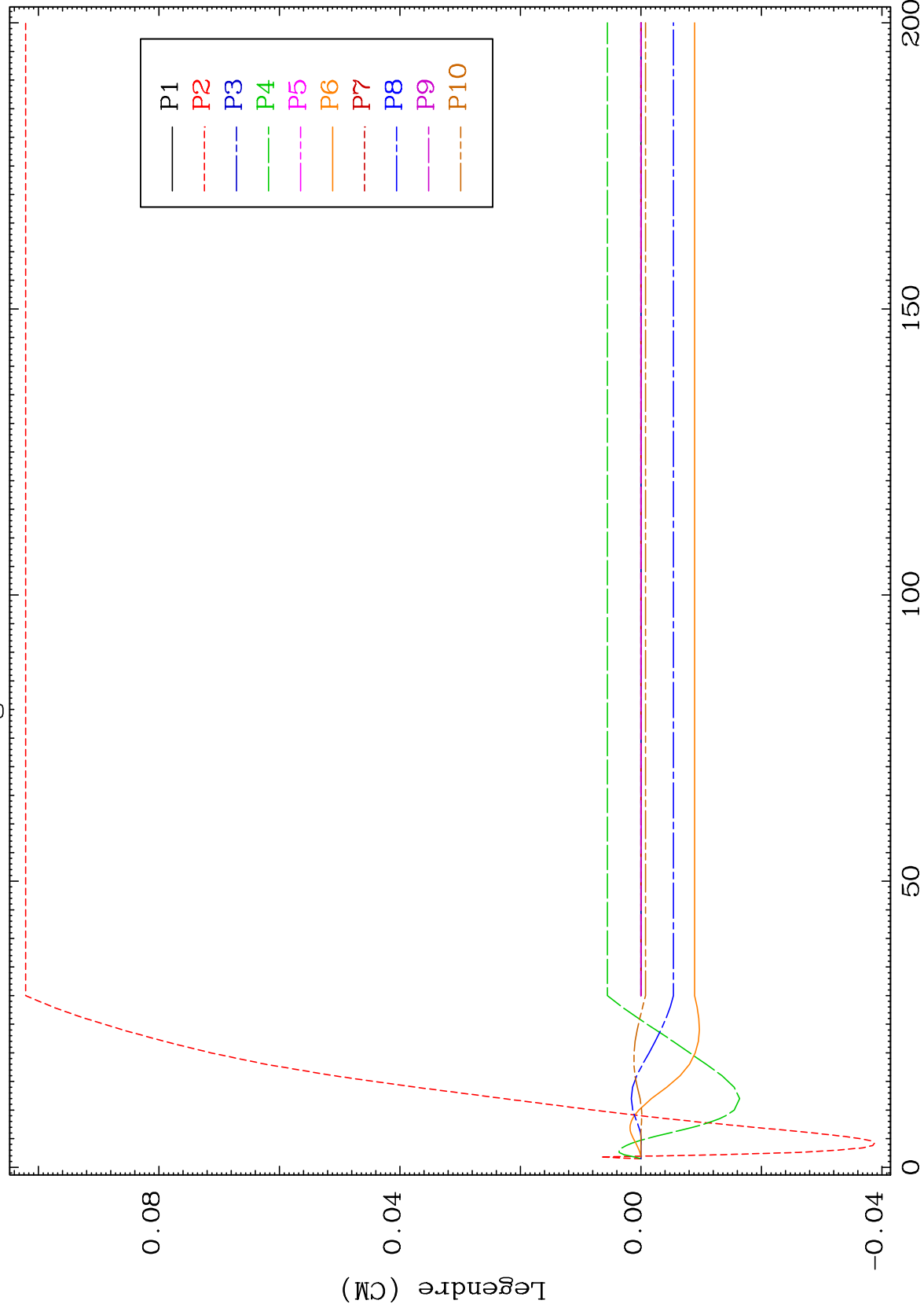
64-Gd-156



MAT 6437

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

64-Gd-156



91

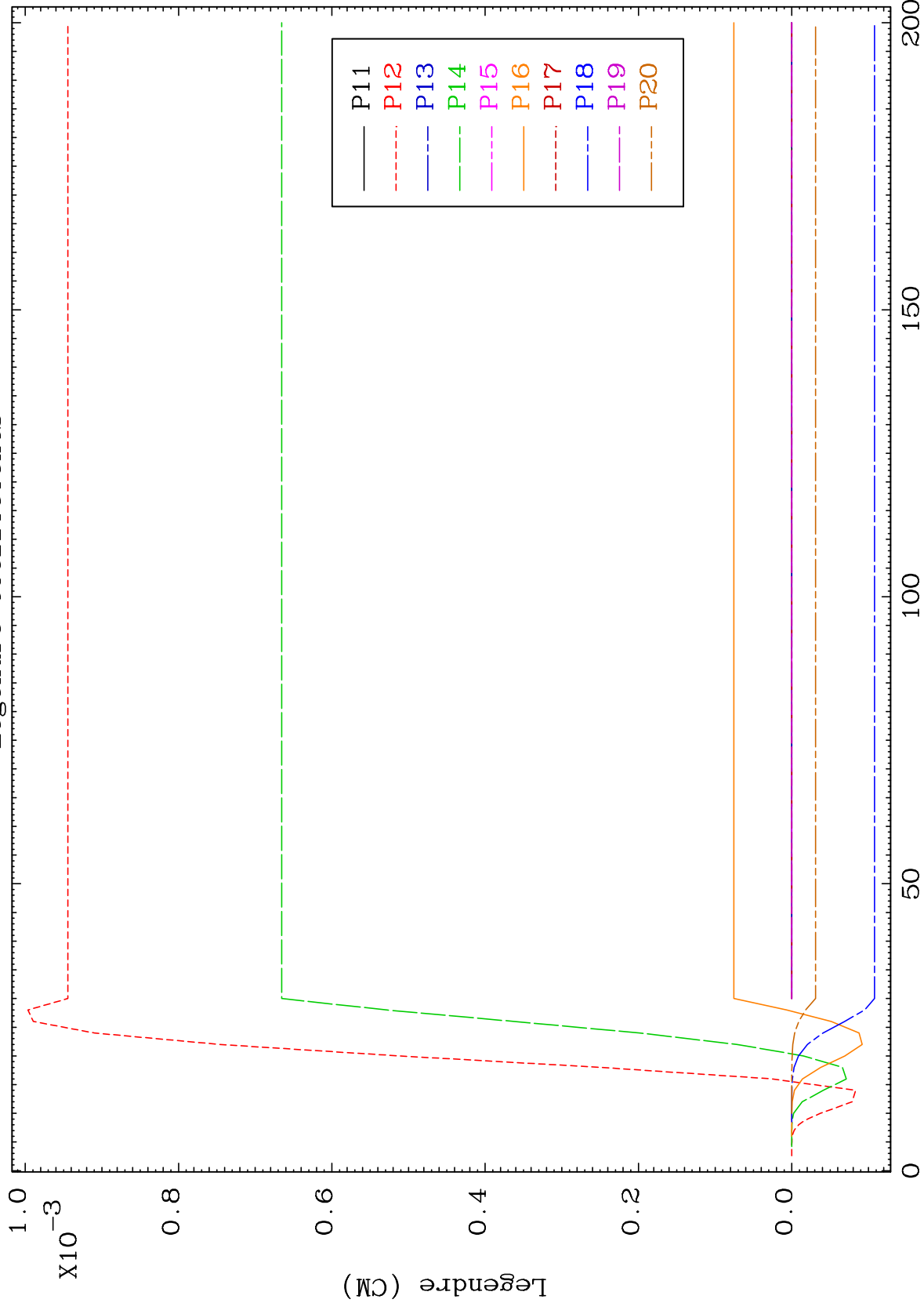
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



92

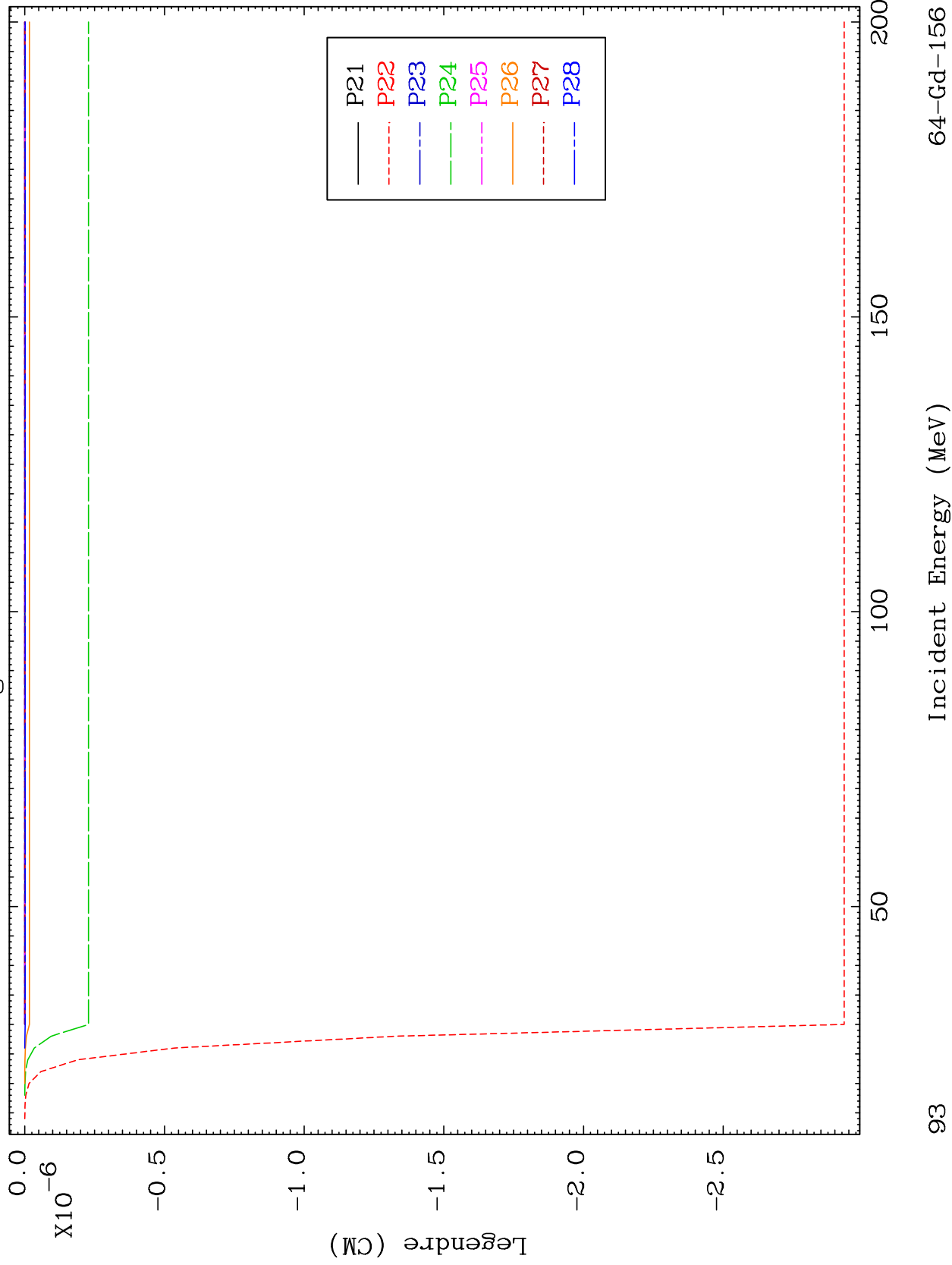
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



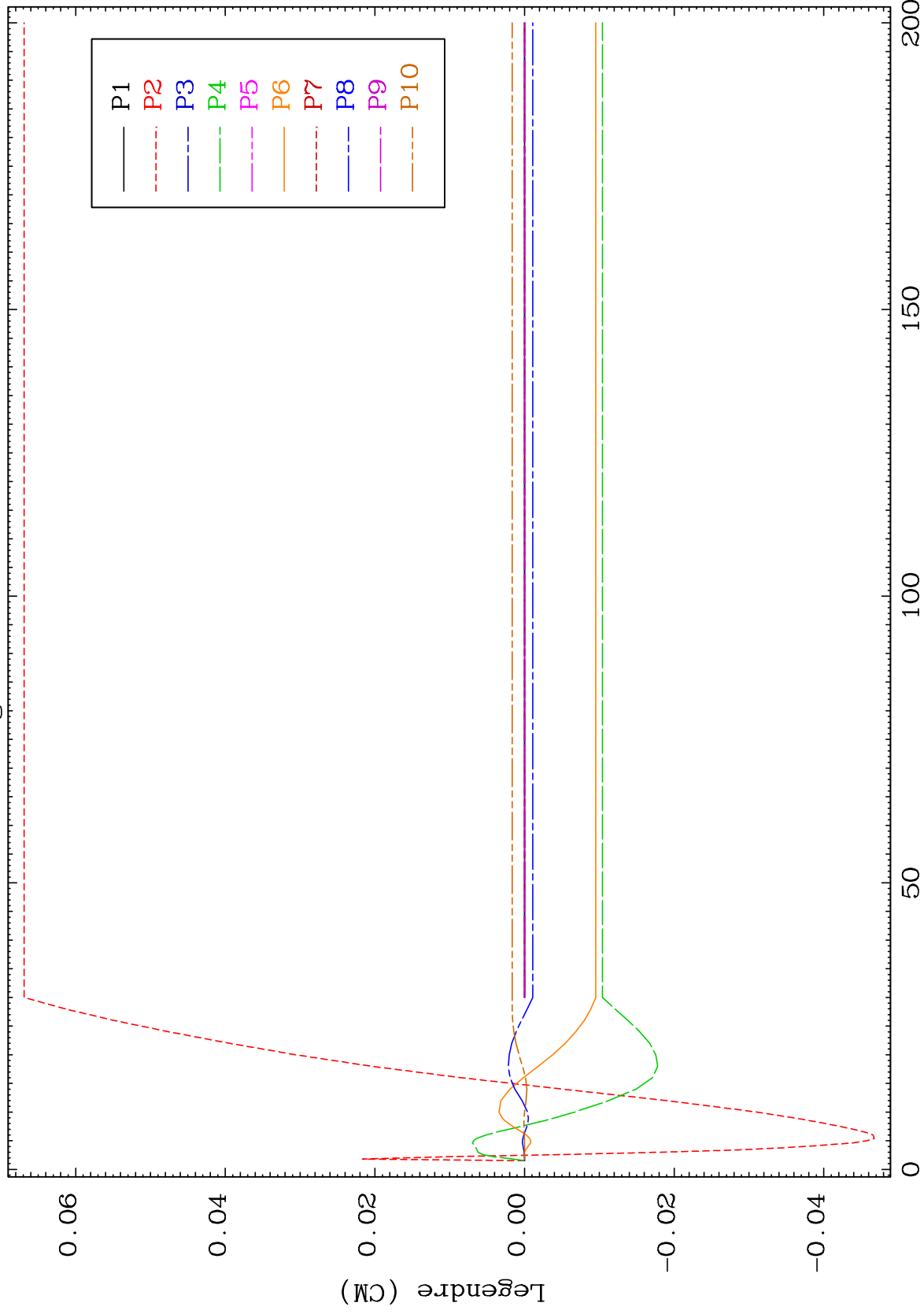
93

64-Gd-156

MAT 6437

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

64-Gd-156



94

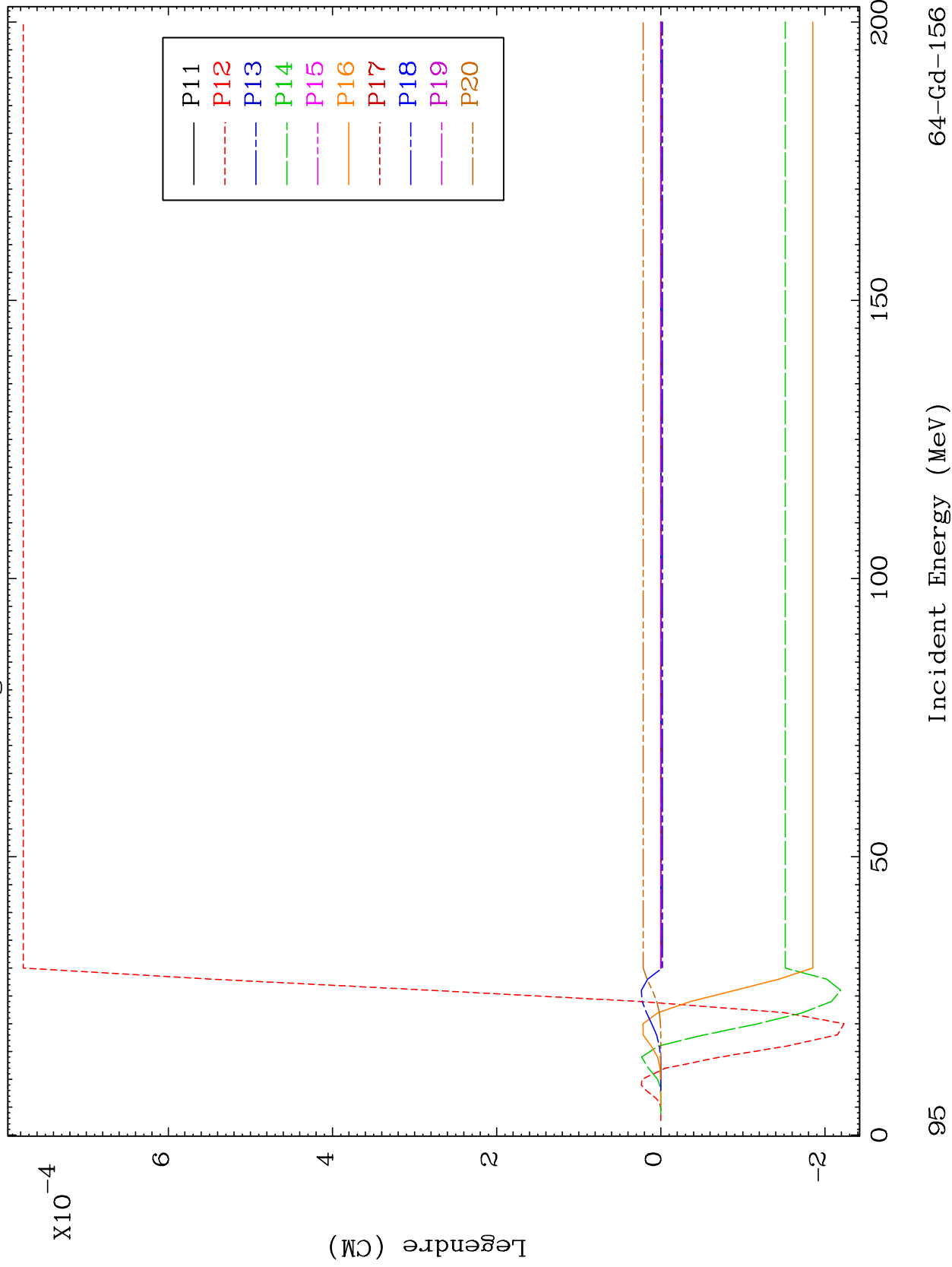
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

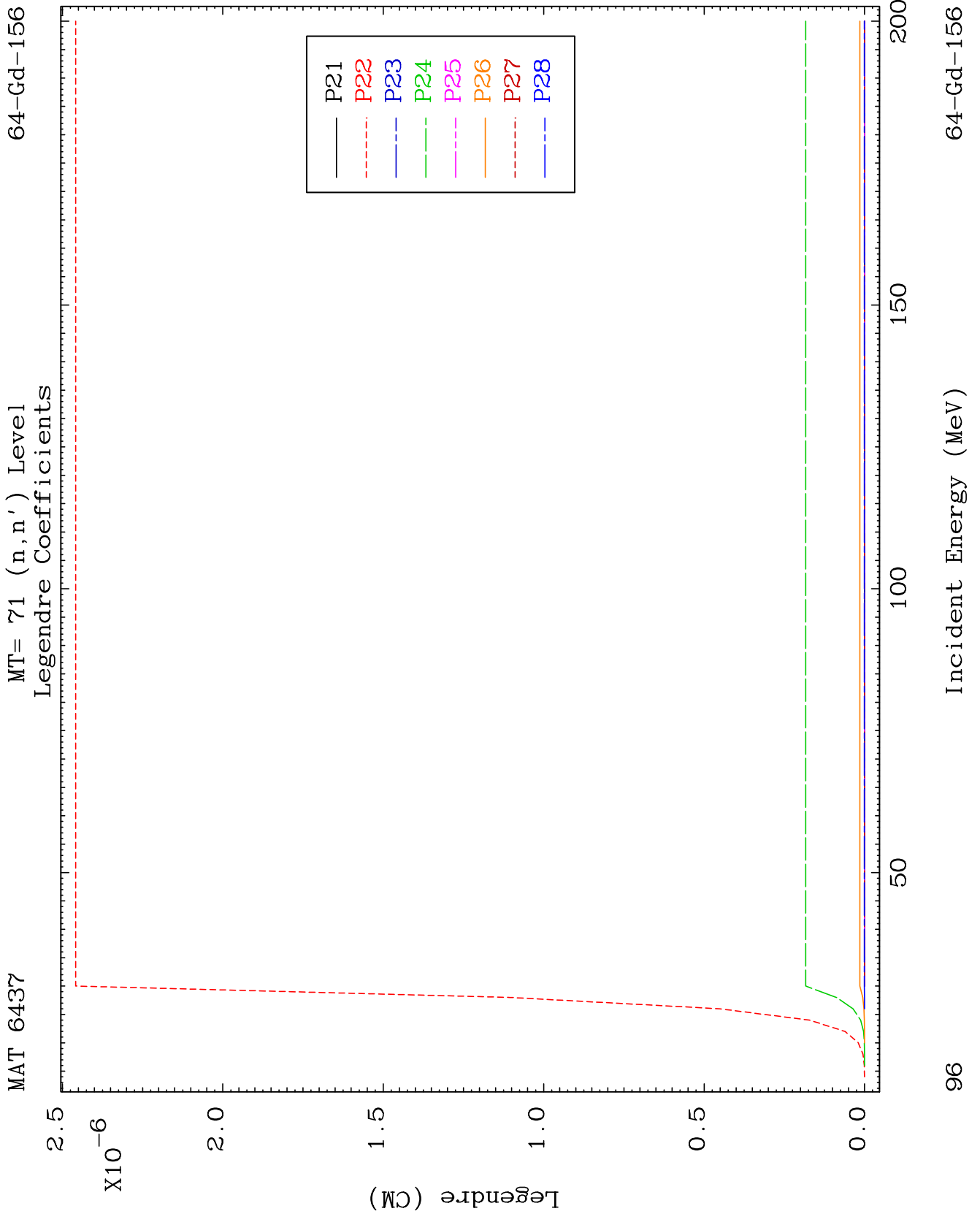
64-Gd-156



95

Incident Energy (MeV)

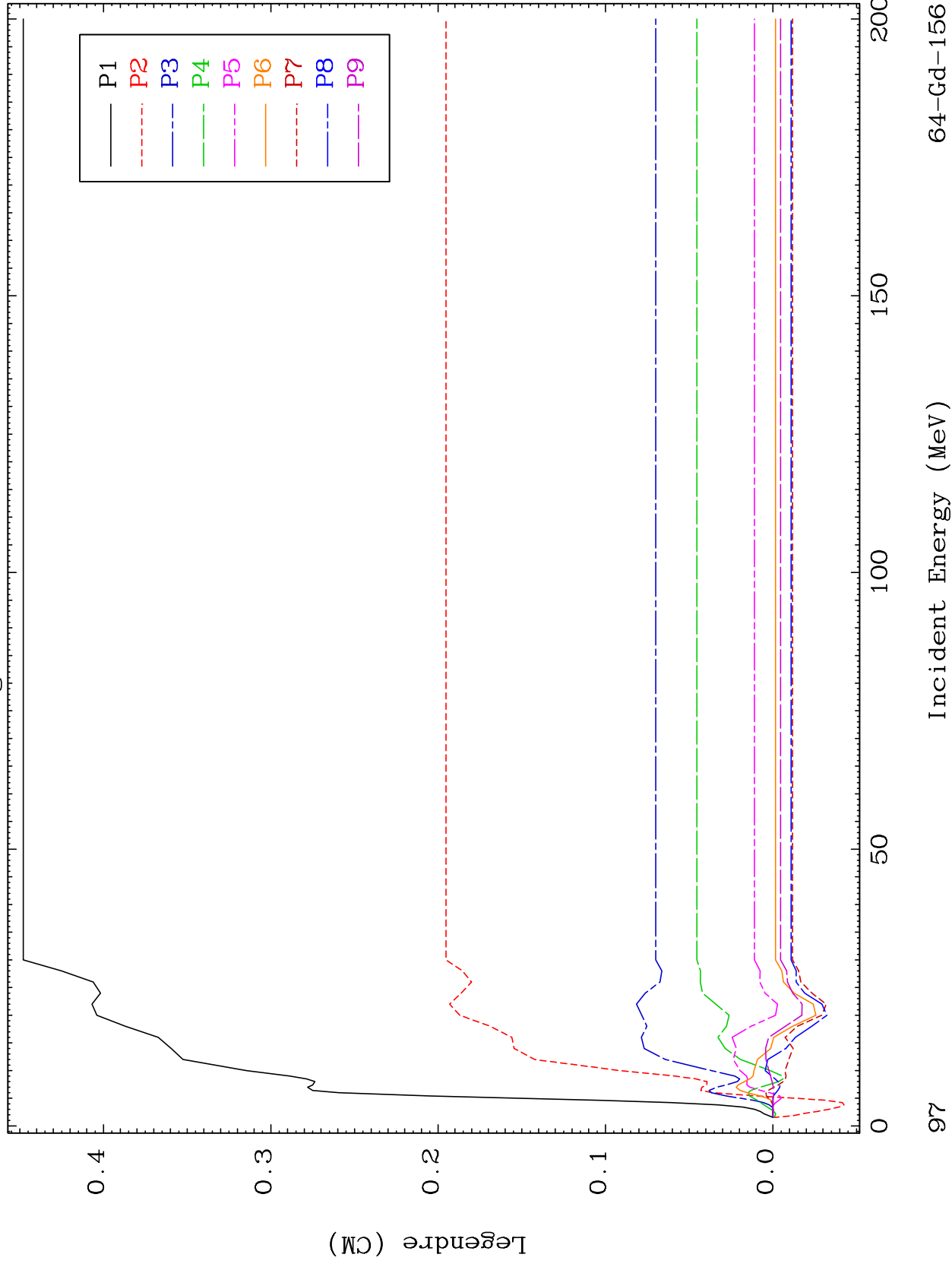
64-Gd-156



MAT 6437

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

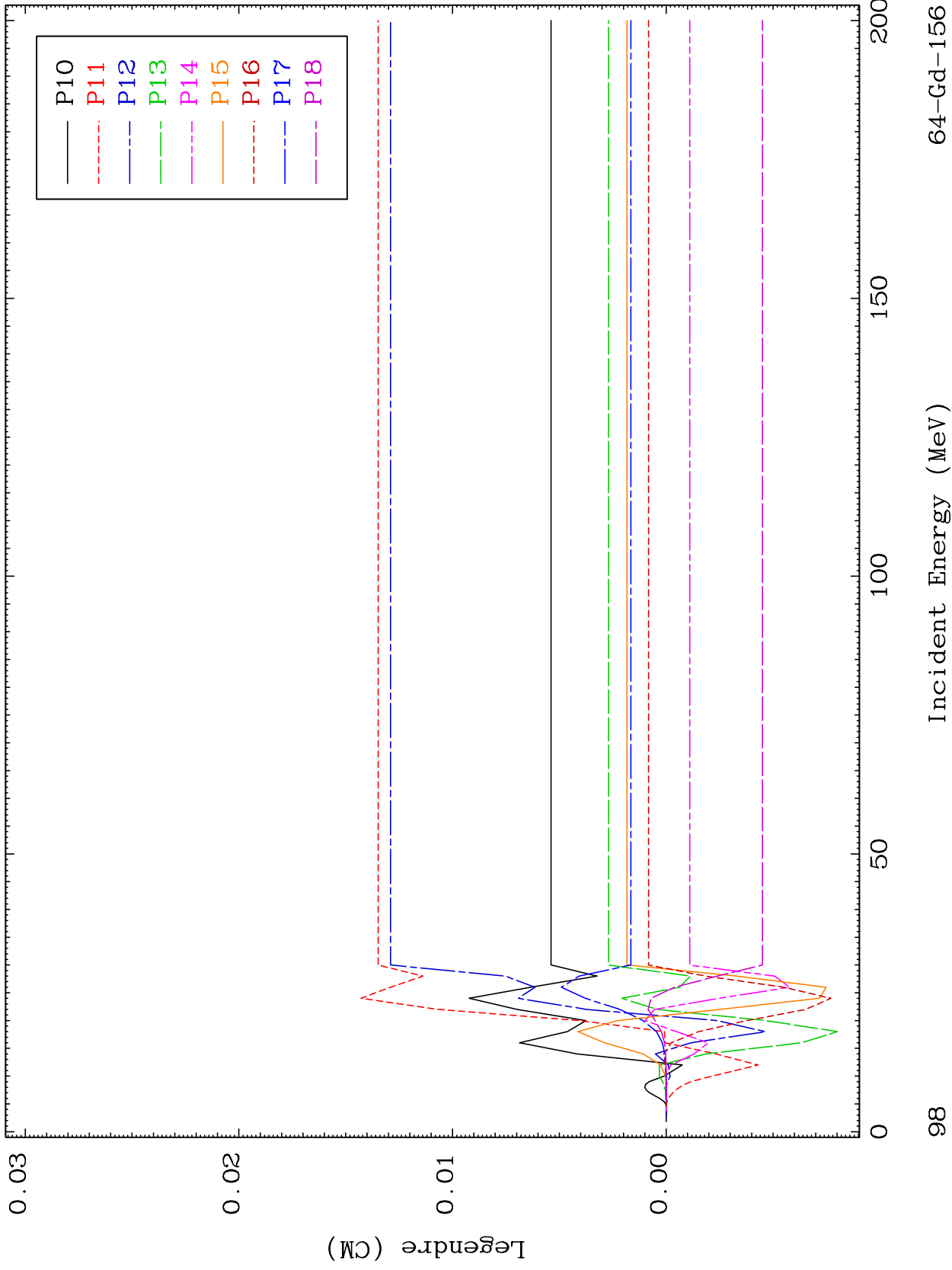
64-Gd-156



MAT 6437

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

64-Gd-156



64-Gd-156

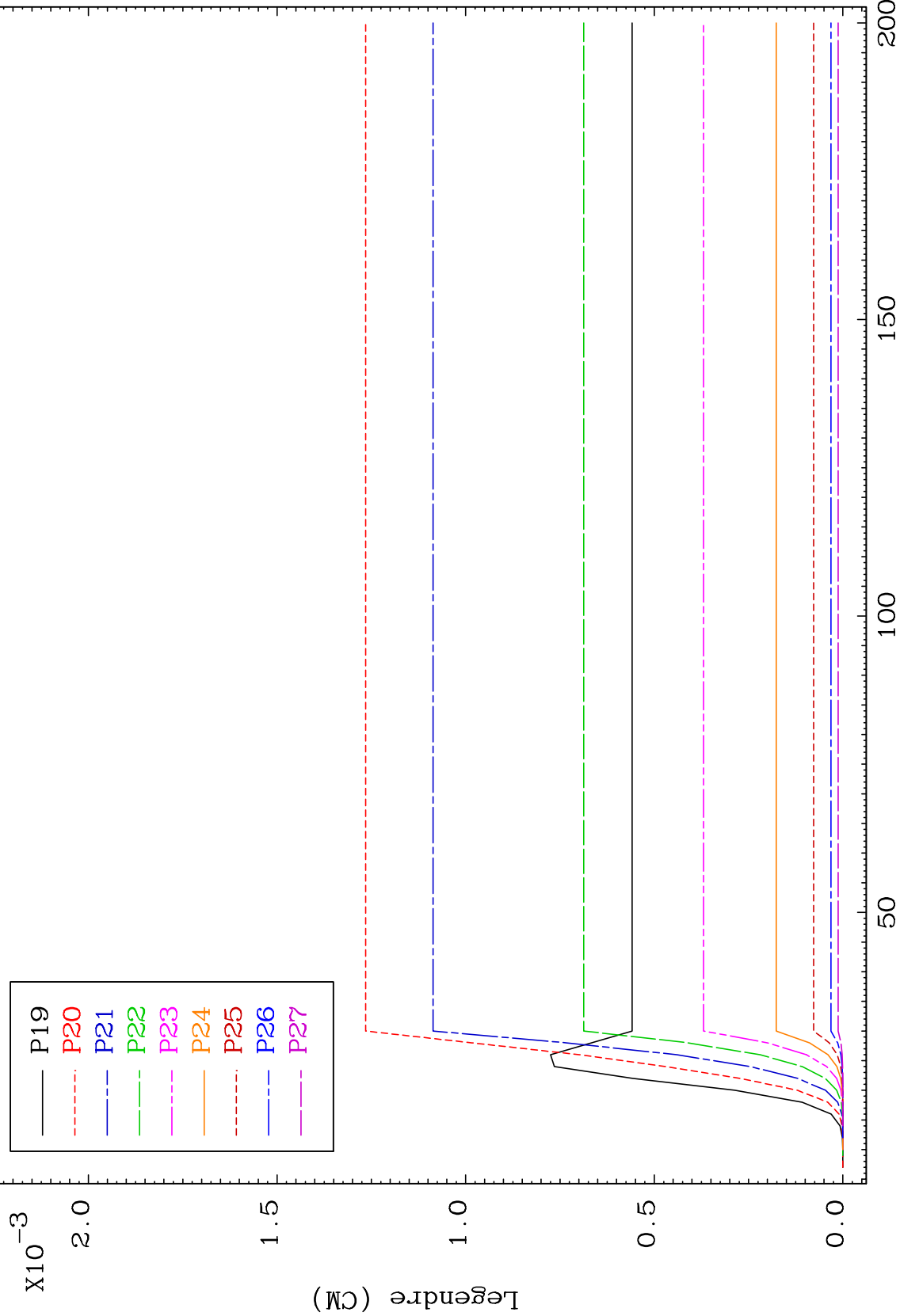
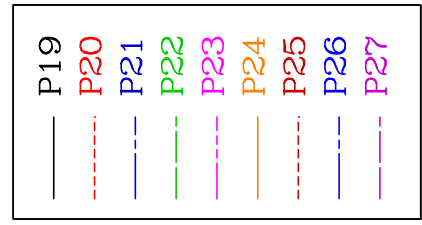
Incident Energy (MeV)

98

MAT 6437

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

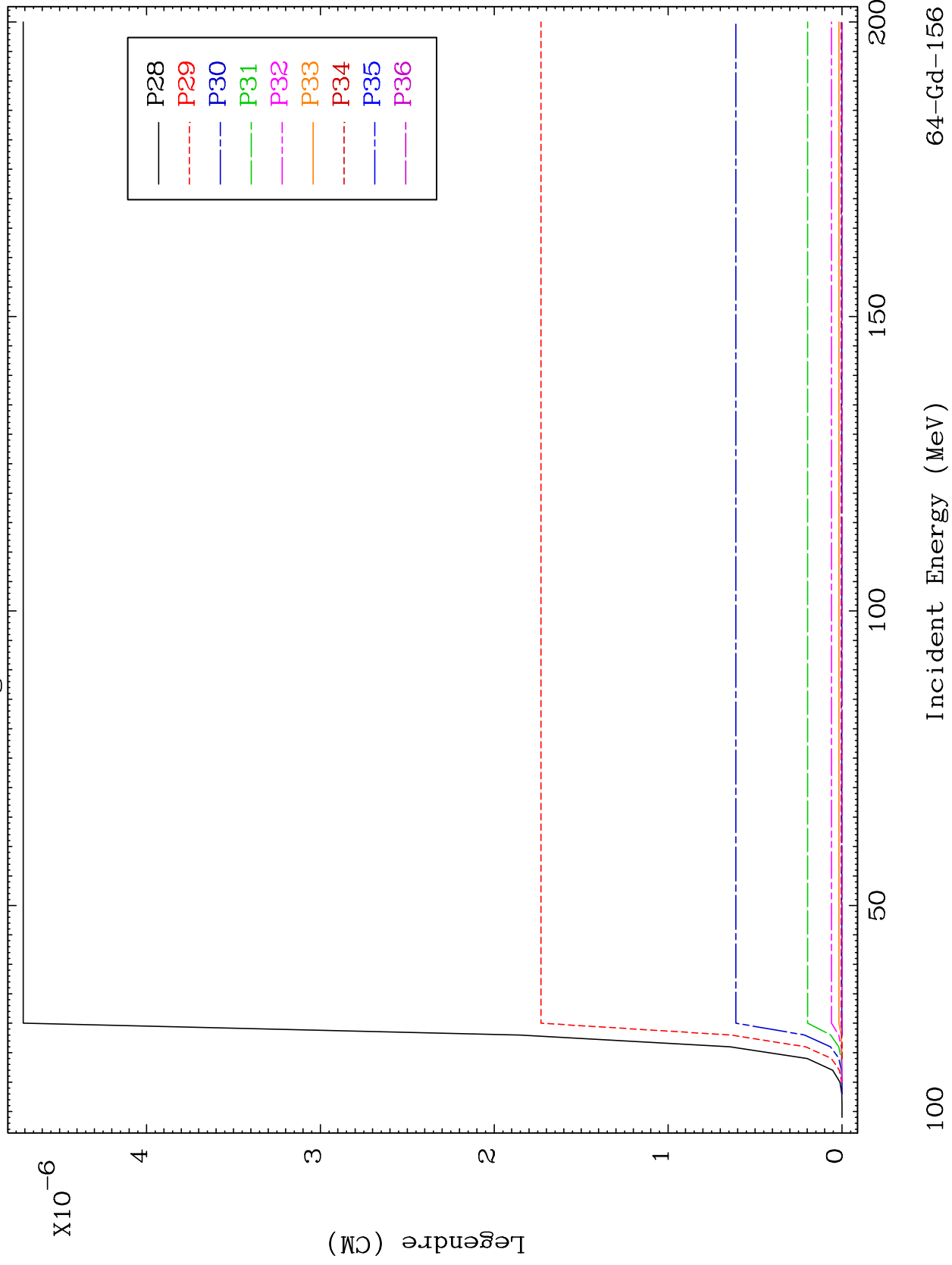
64-Gd-156



MAT 6437

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

64-Gd-156

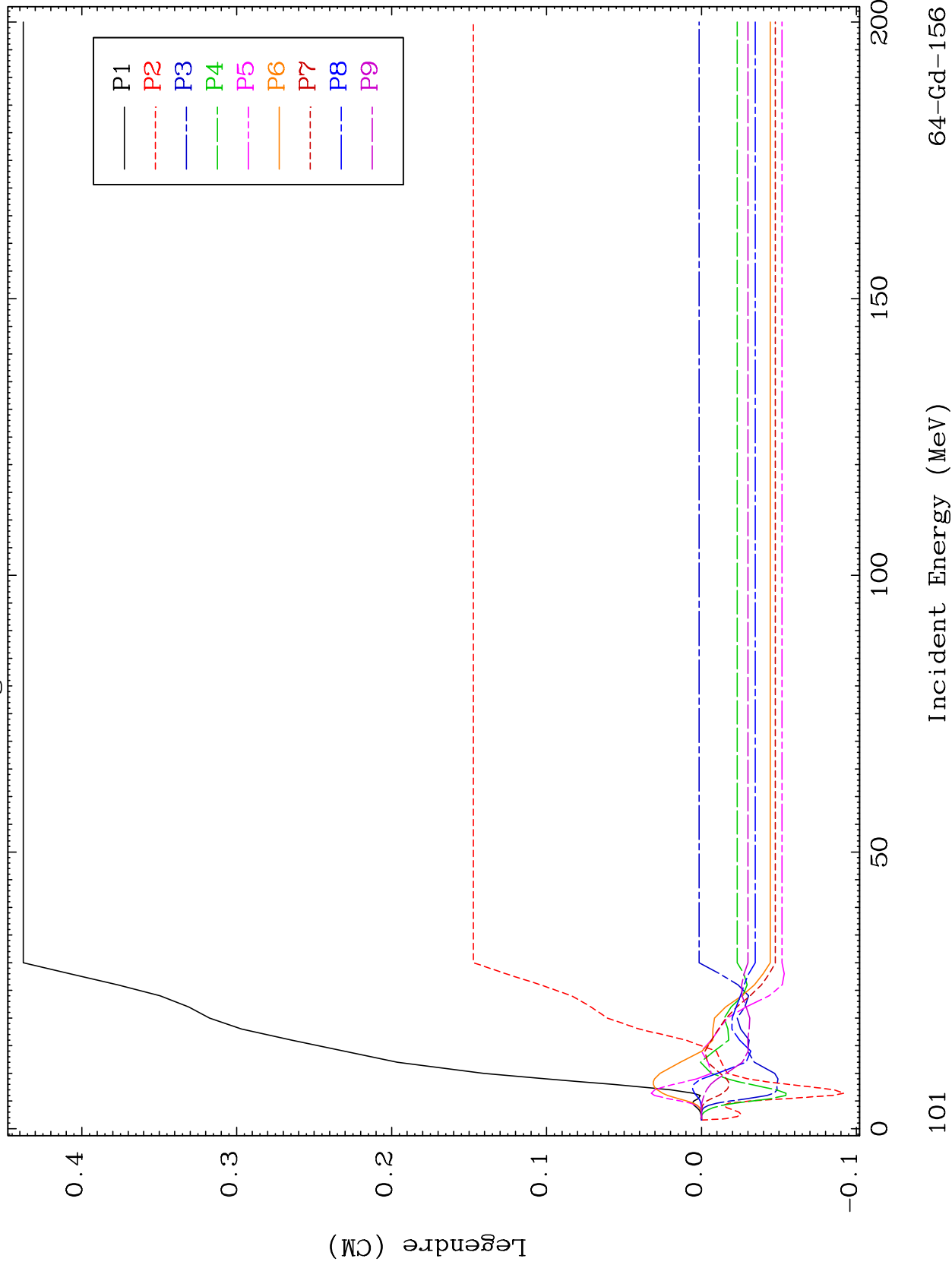


64-Gd-156

MAT 6437

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

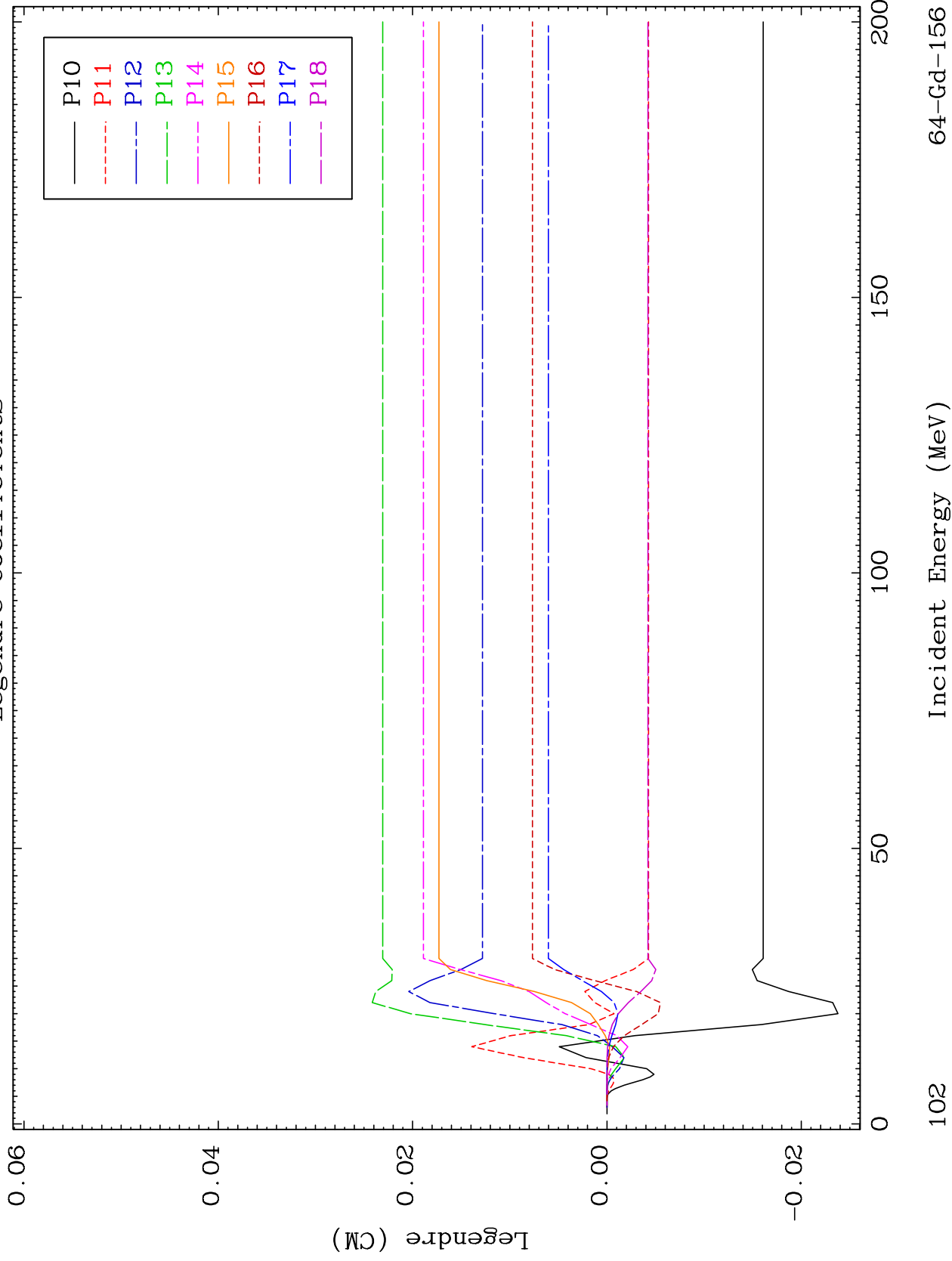
64-Gd-156



MAT 6437

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

64-Gd-156



64-Gd-156

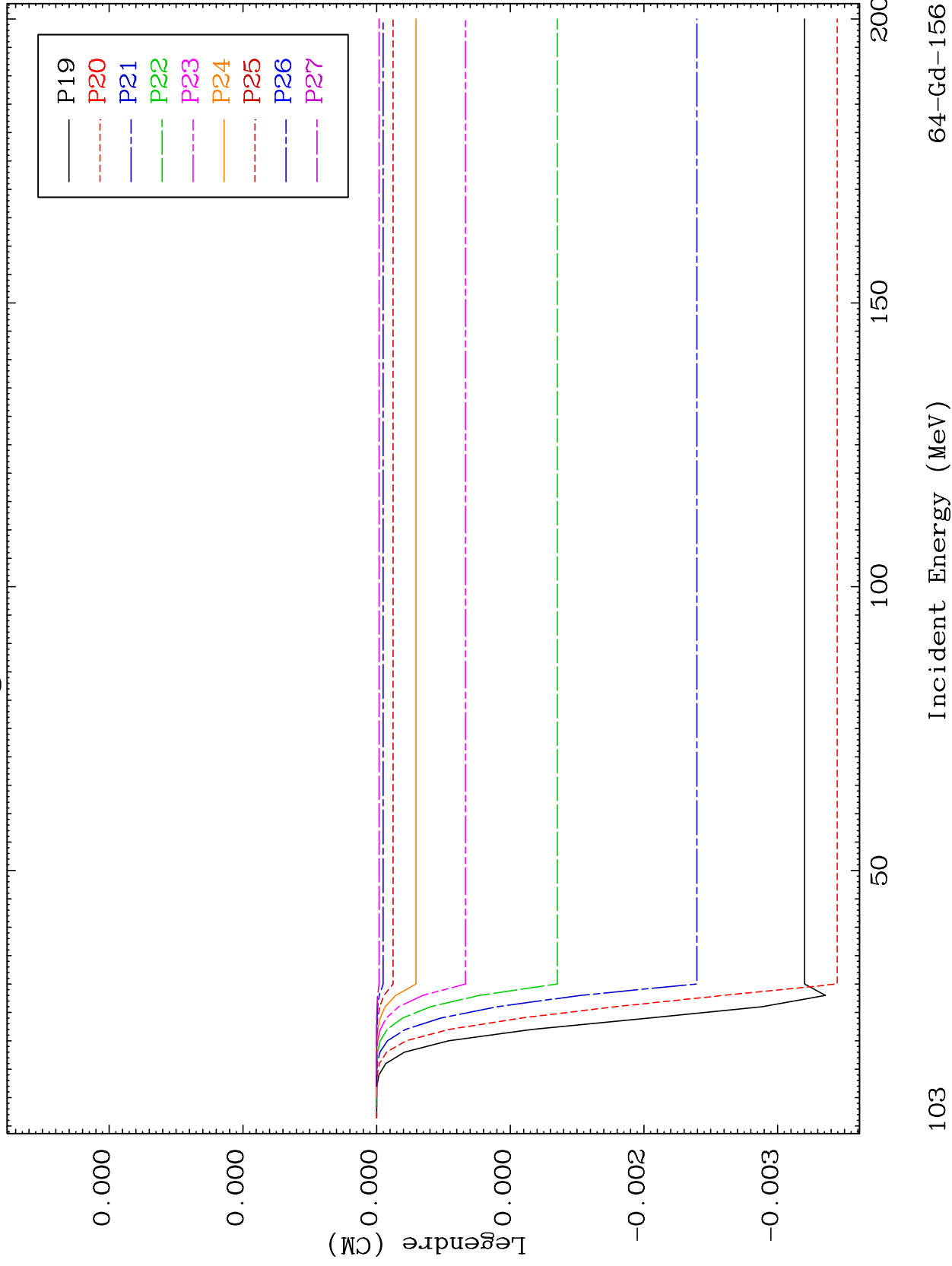
Incident Energy (MeV)

102

MAT 6437

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

64-Gd-156



103

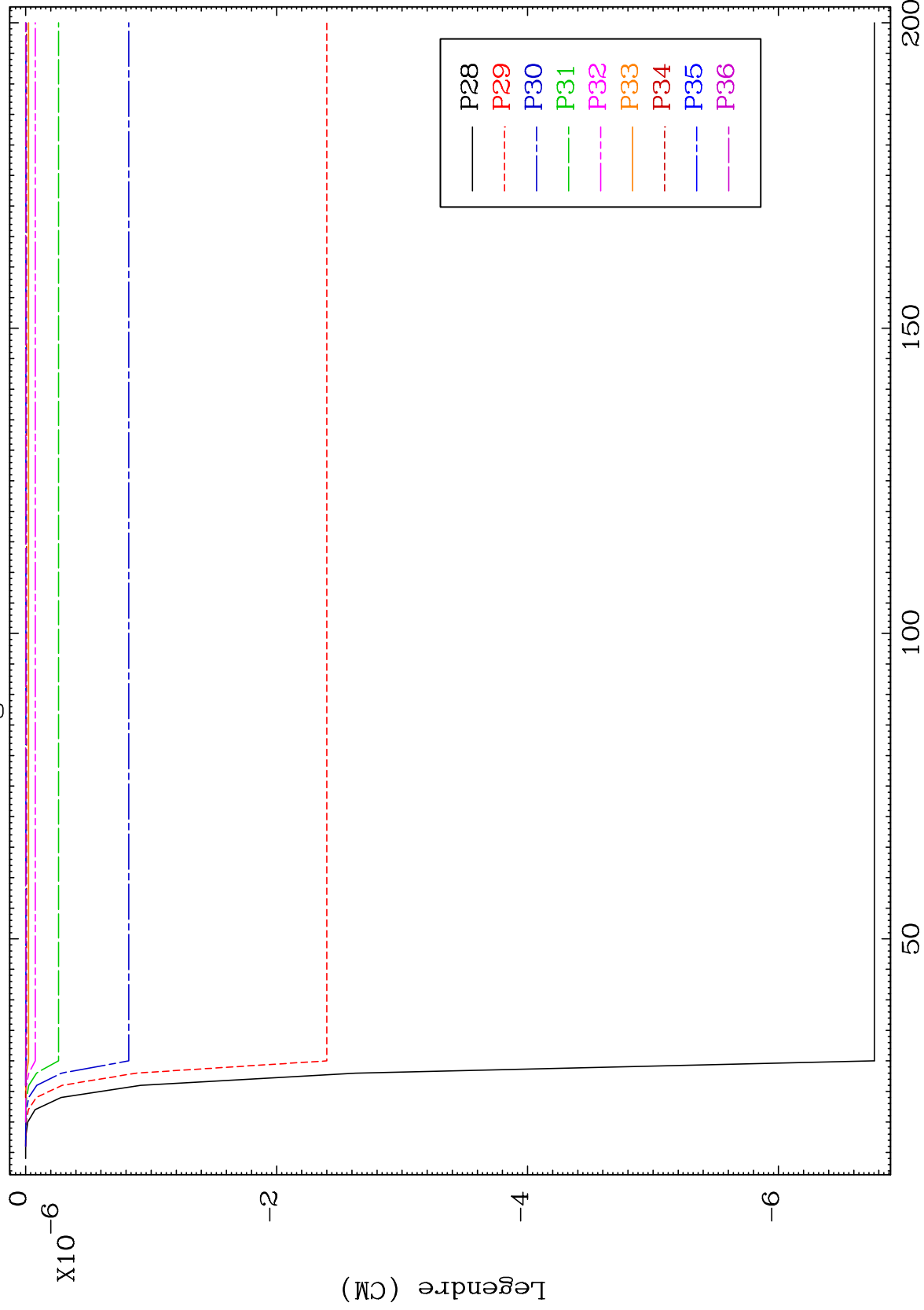
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



104

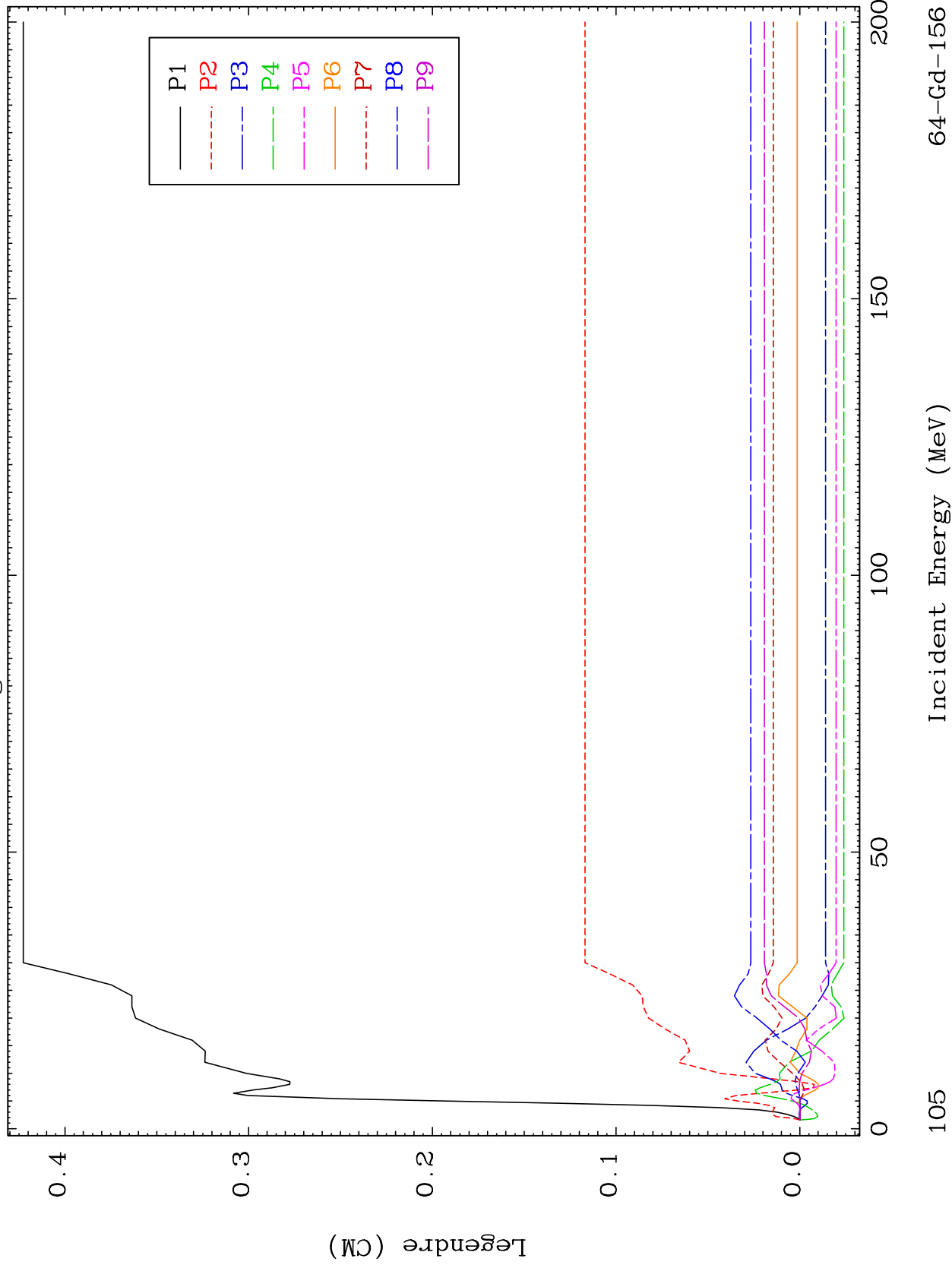
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

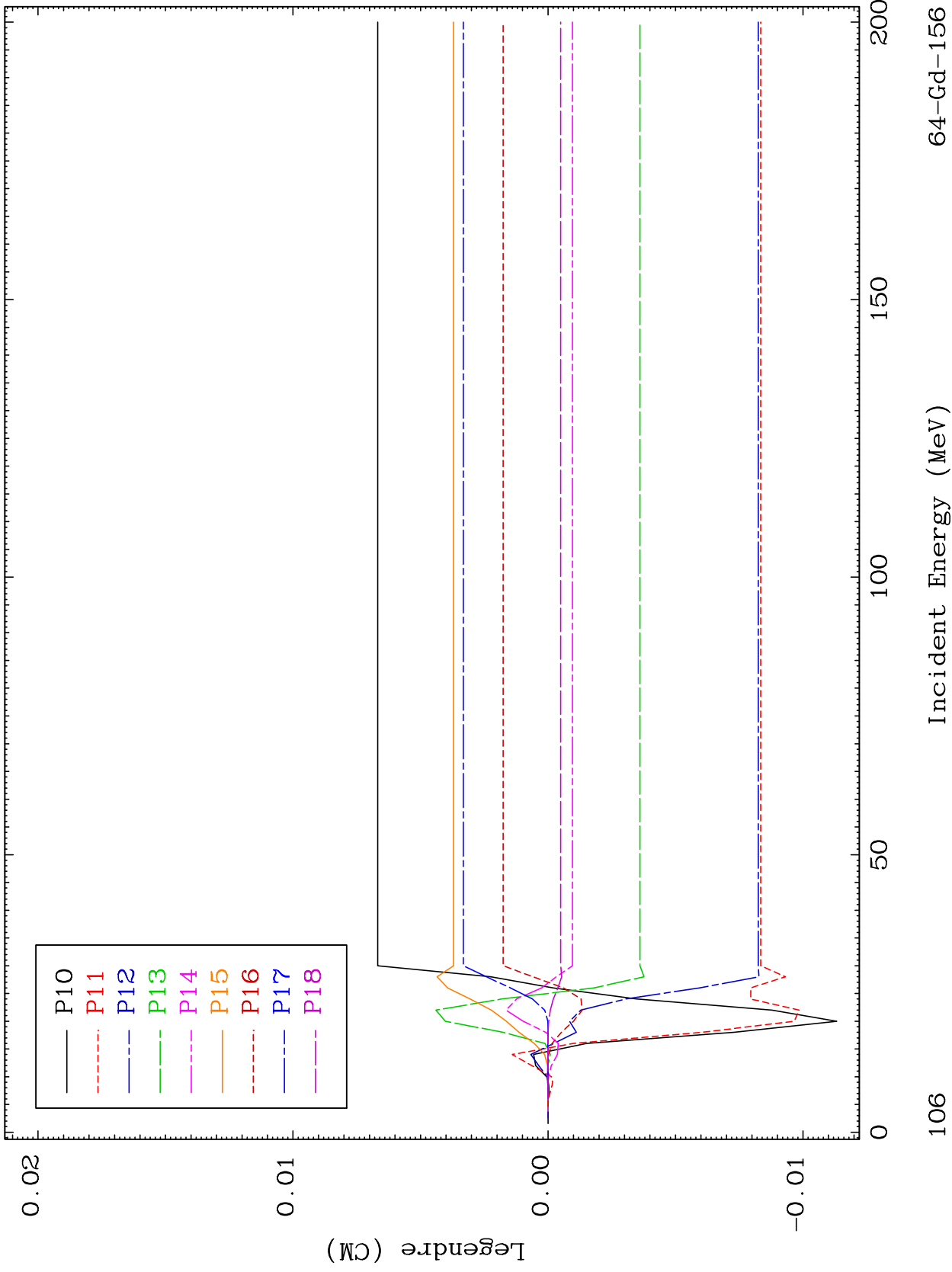
Incident Energy (MeV)

105

MAT 6437

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

64-Gd-156



64-Gd-156

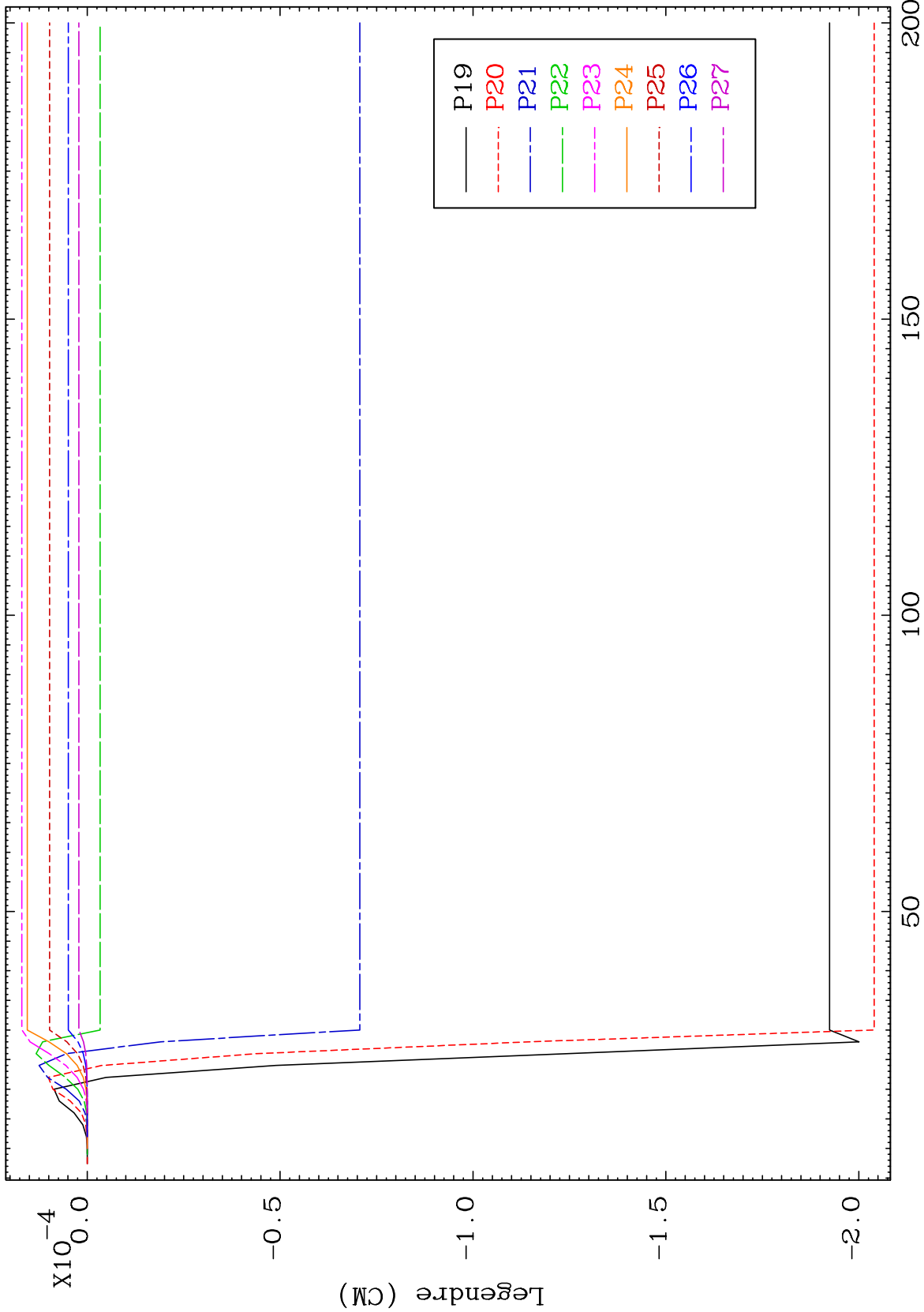
Incident Energy (MeV)

106

MAT 6437

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

64-Gd-156



107

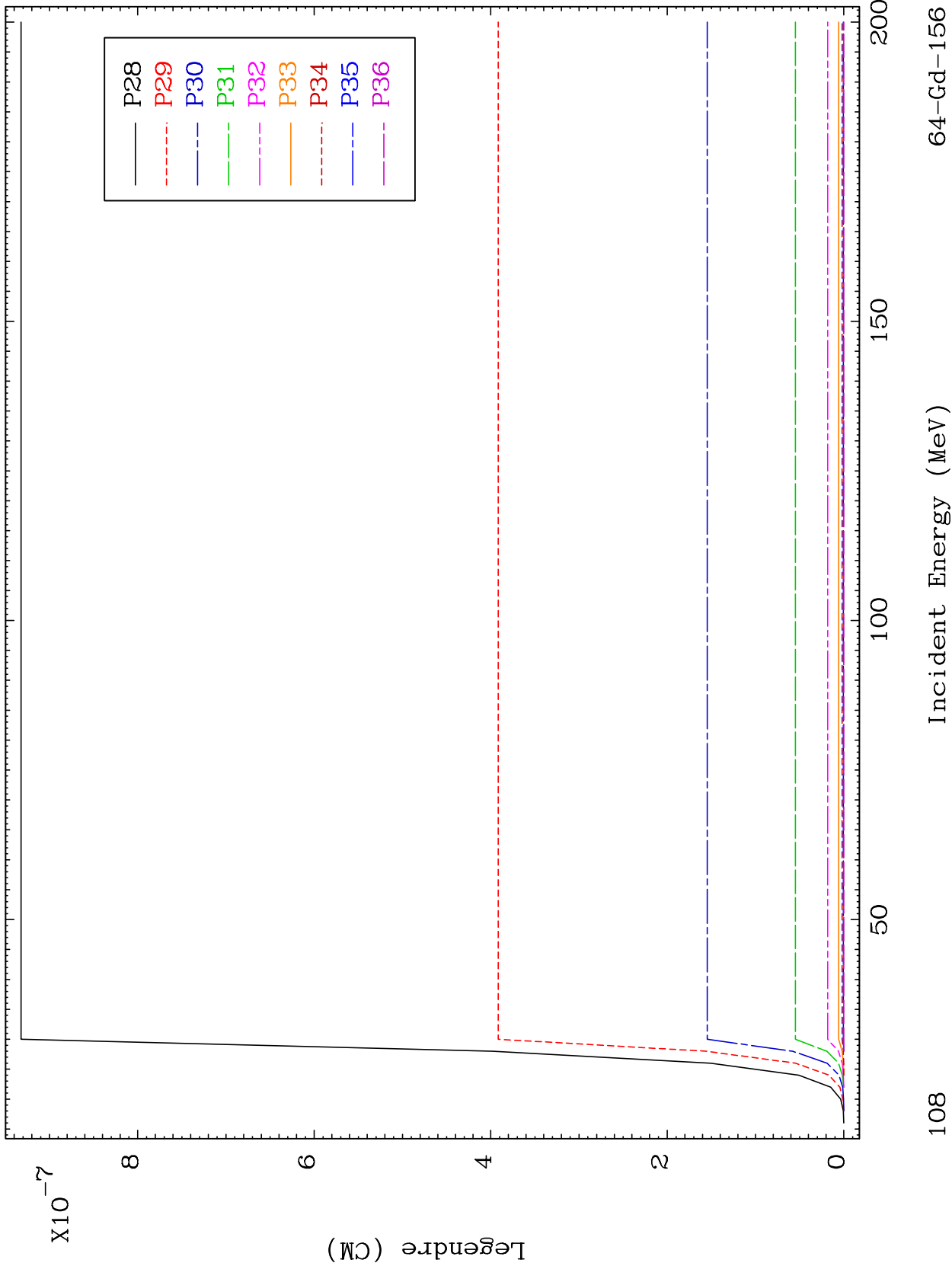
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



108

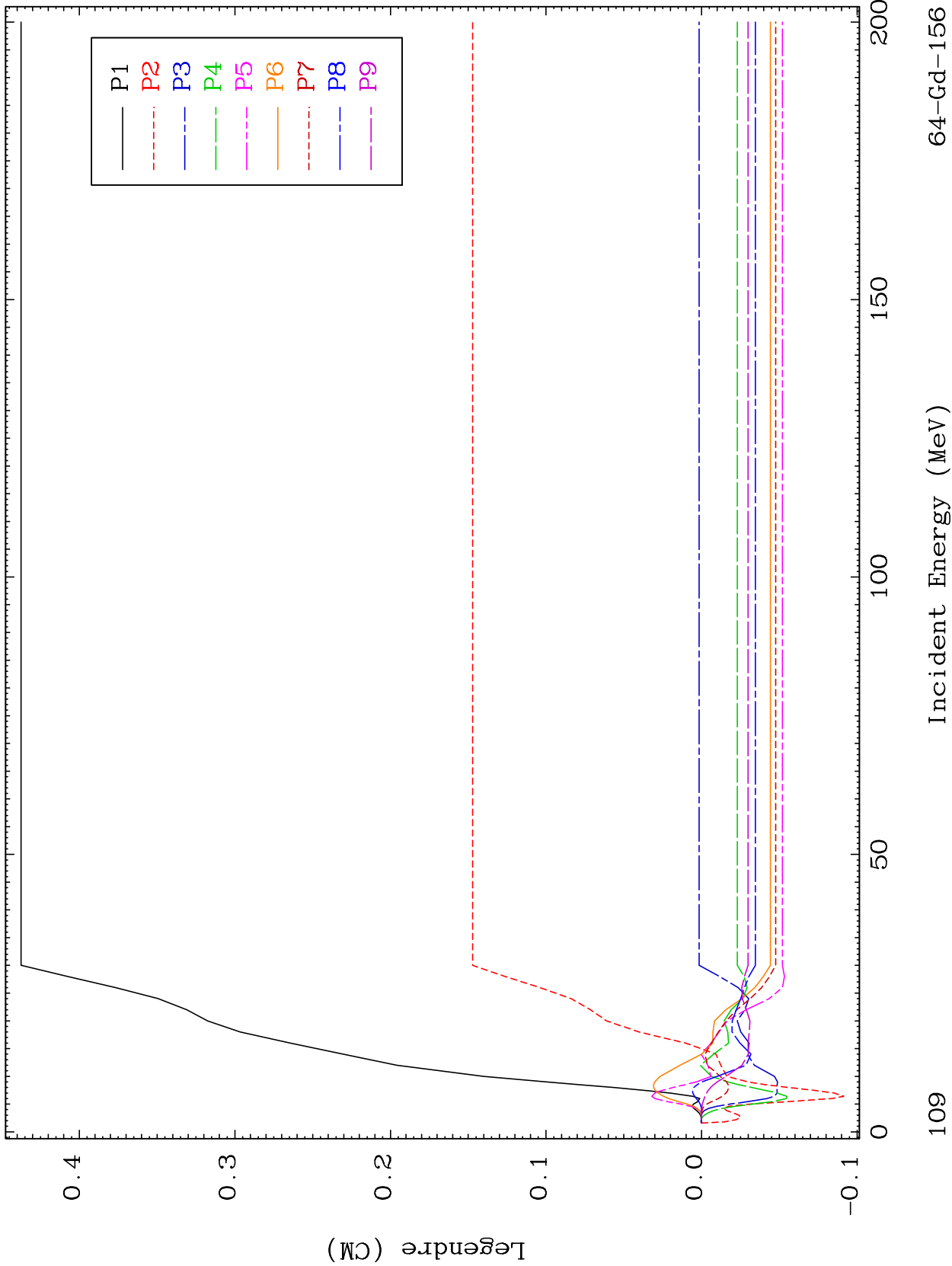
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

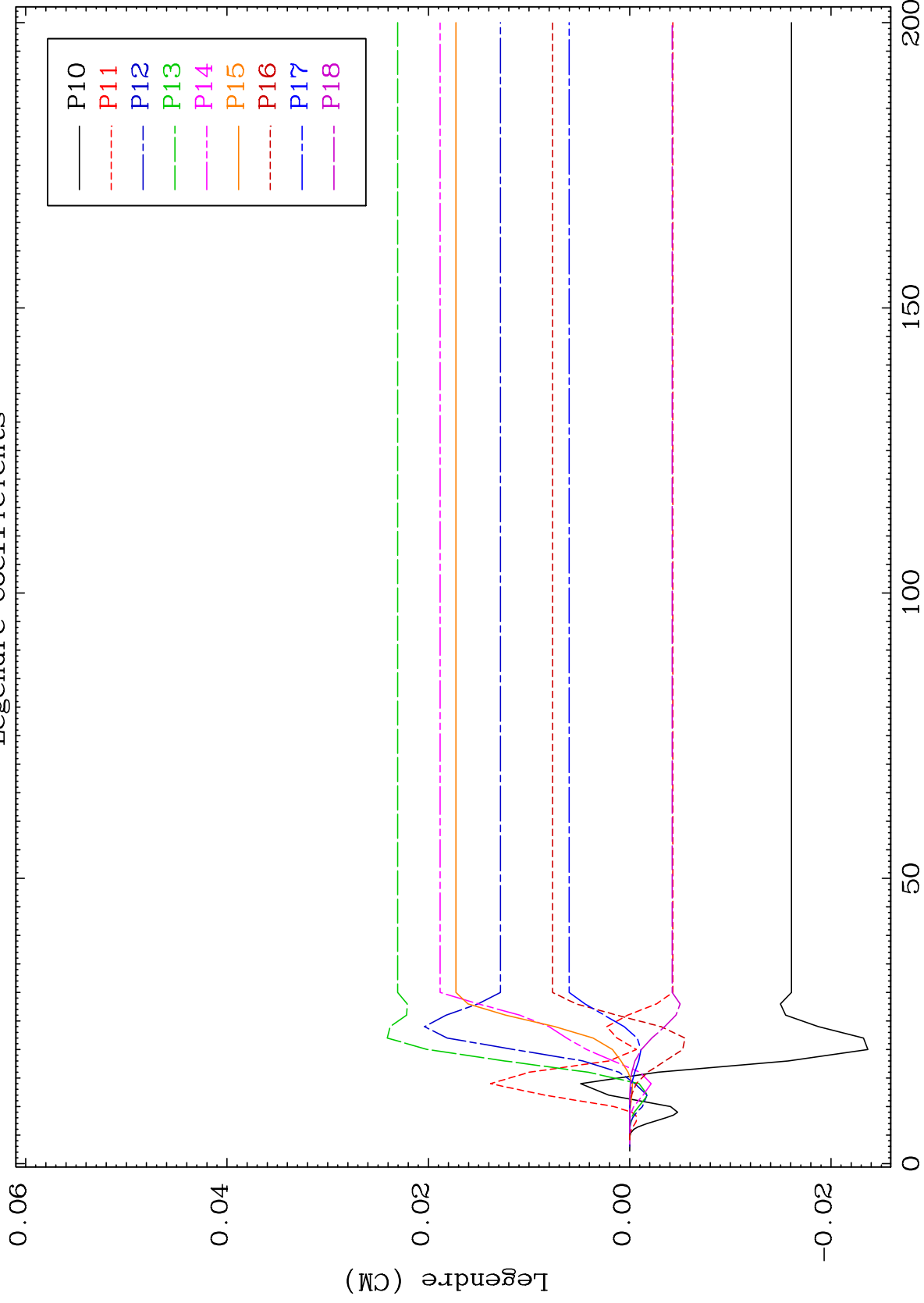
Incident Energy (MeV)

109

MAT 6437

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

64-Gd-156



110

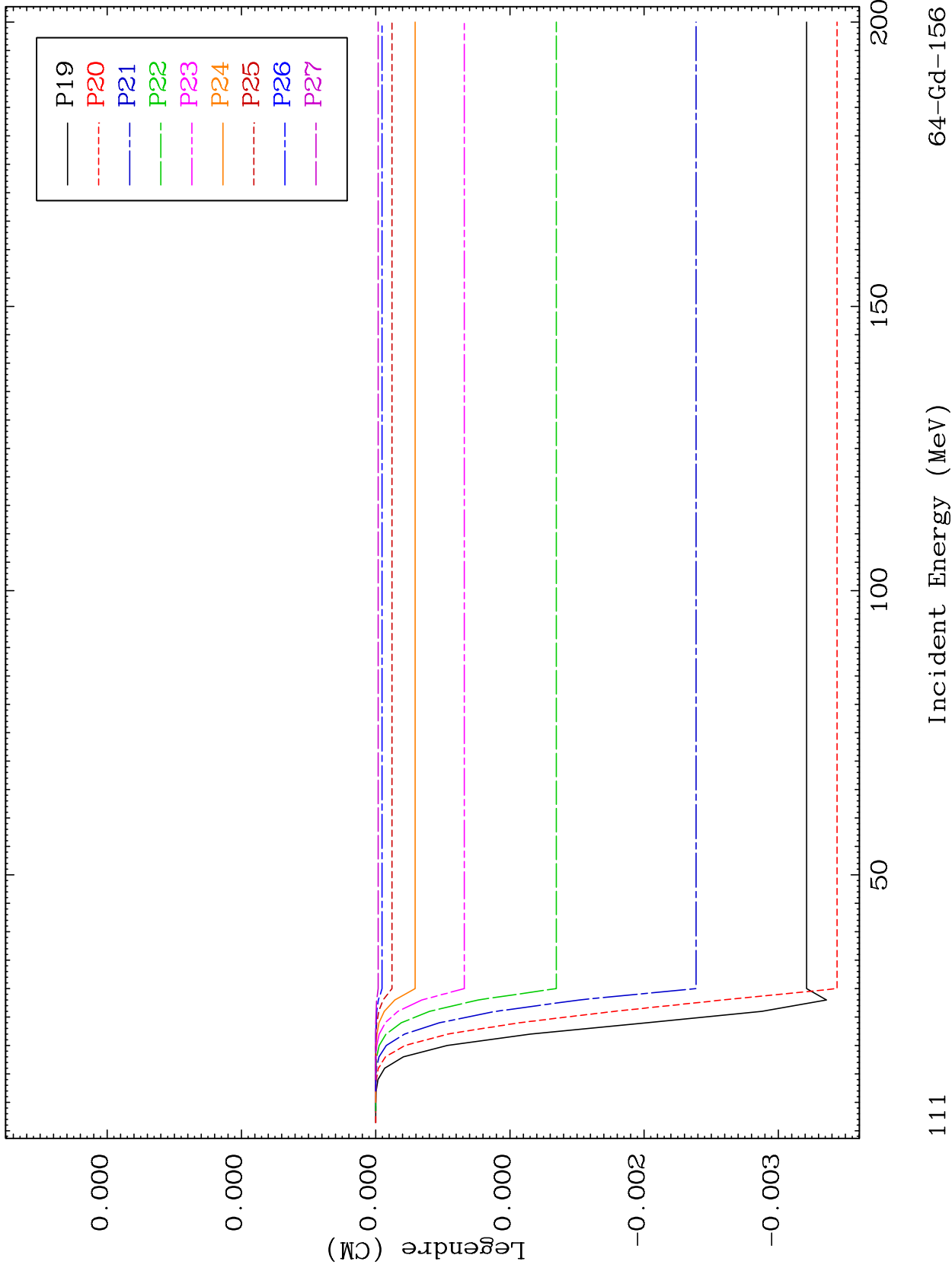
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



111

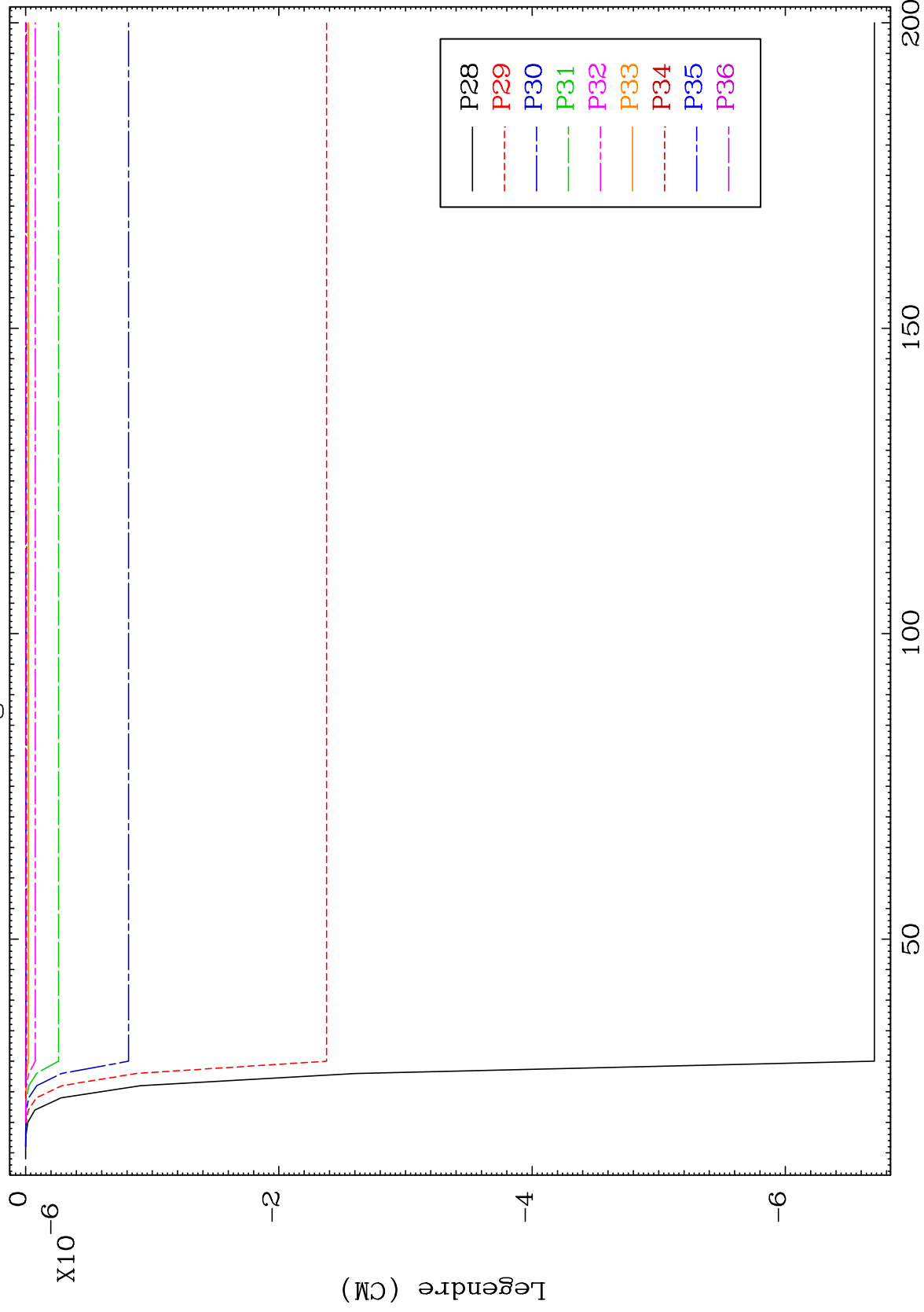
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



112

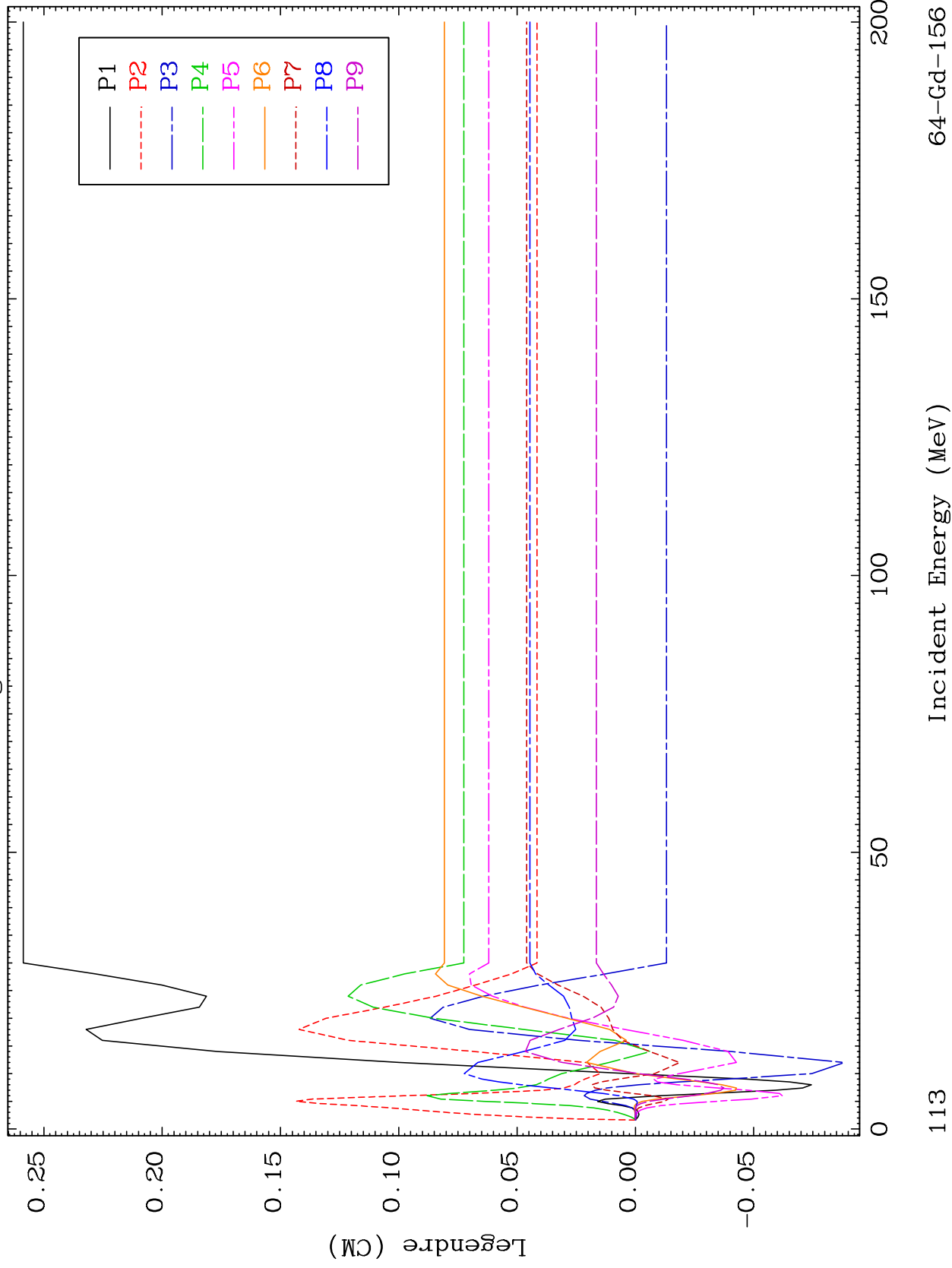
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

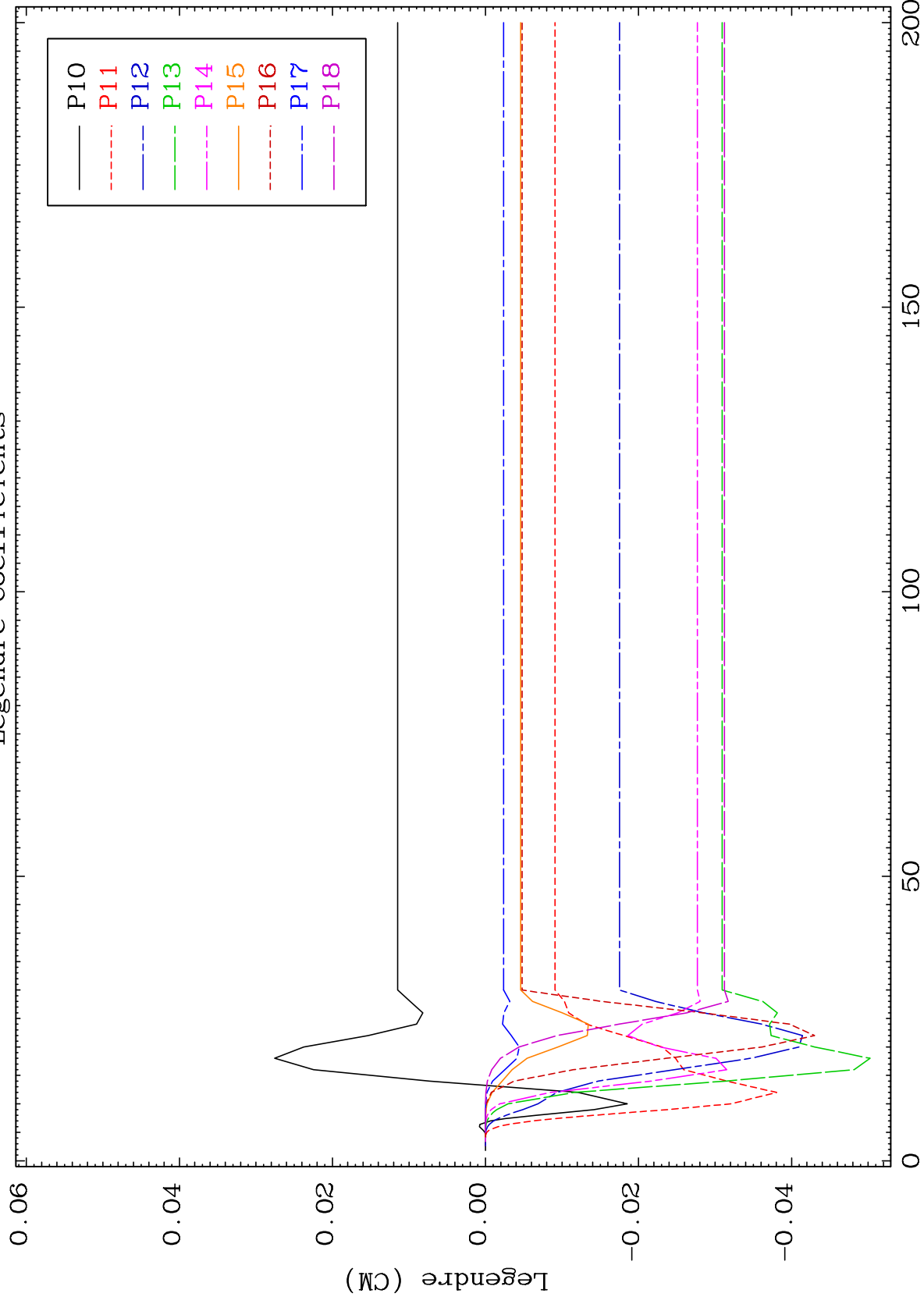
64-Gd-156



MAT 6437

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

64-Gd-156



114

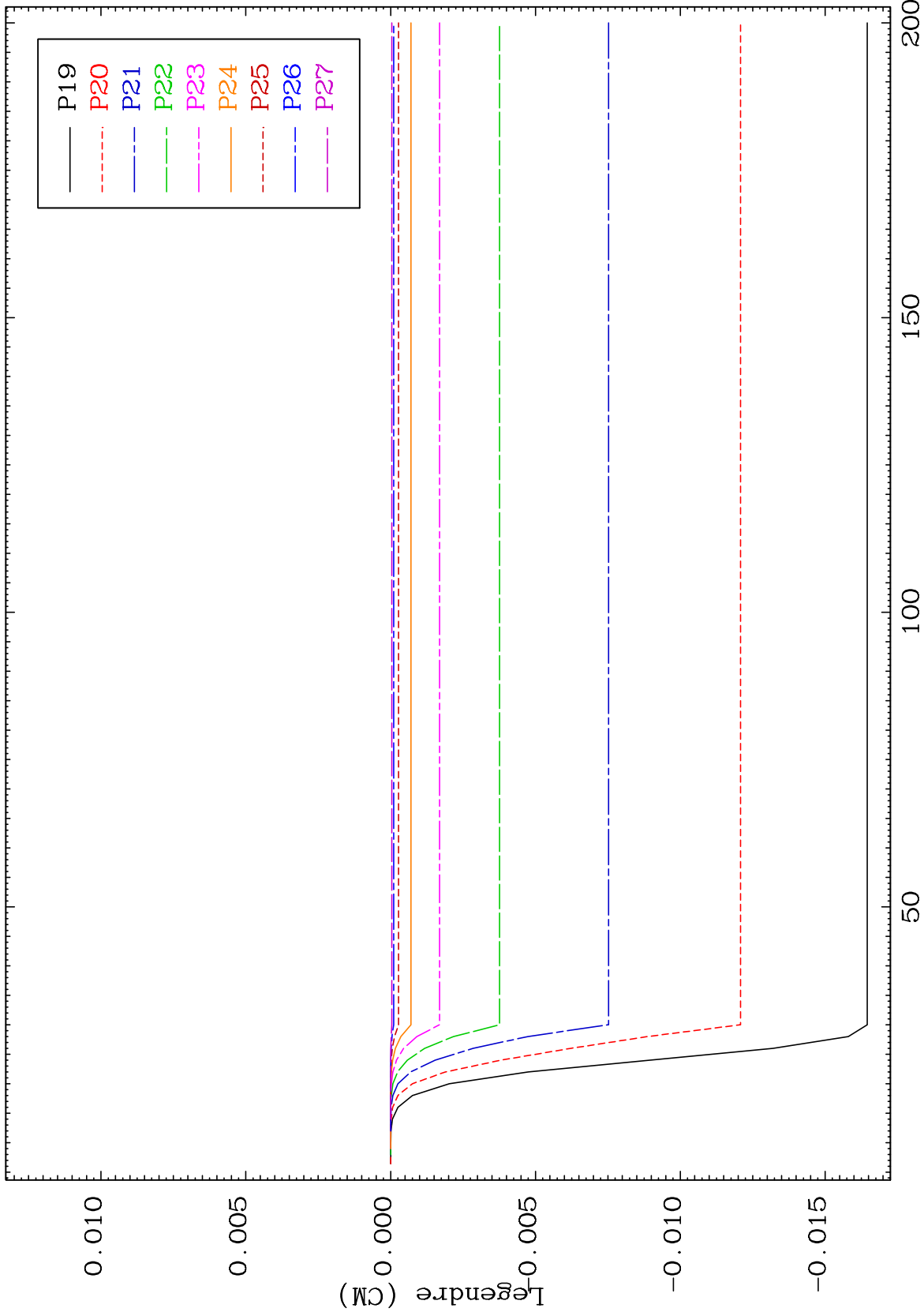
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

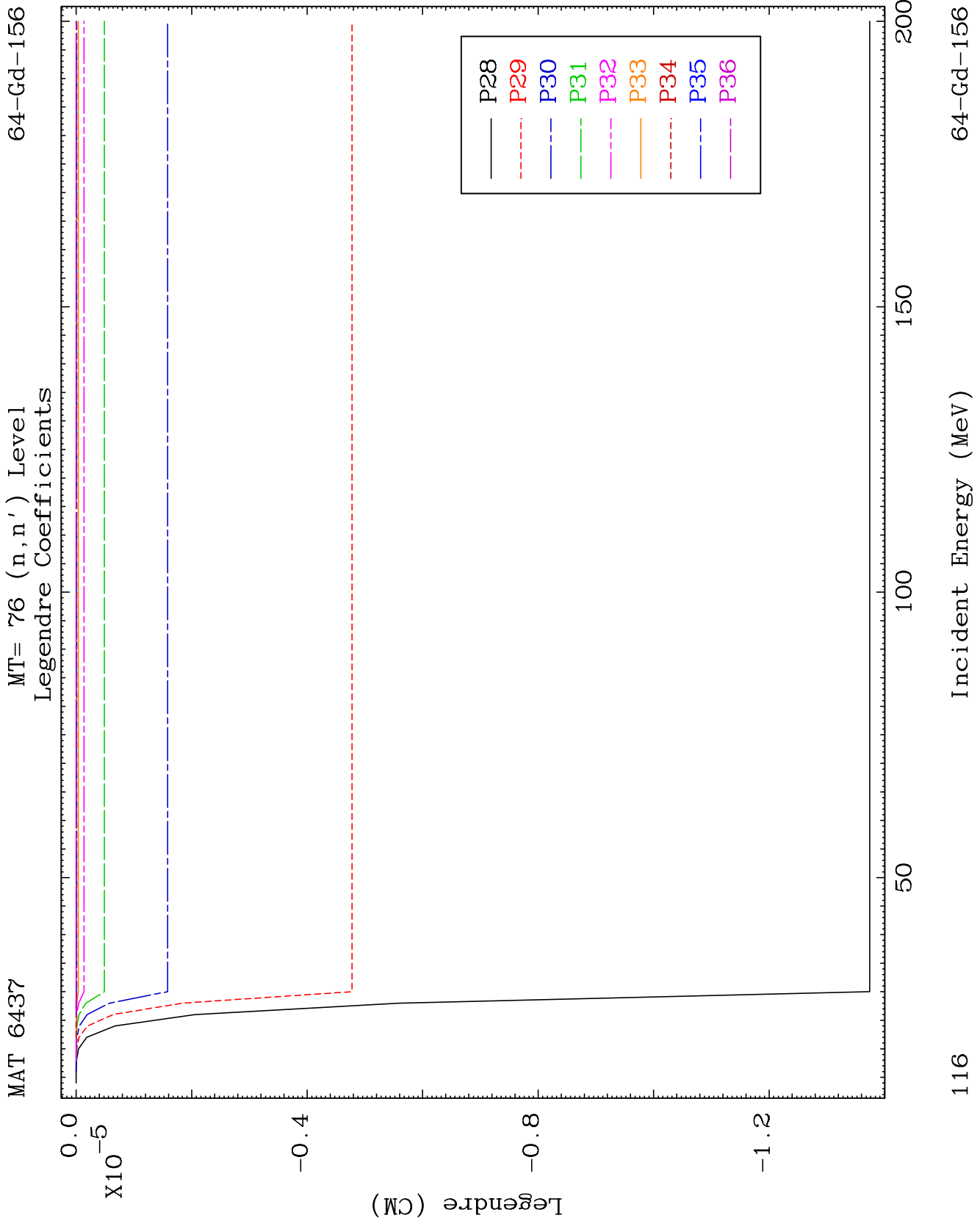
64-Gd-156



115

Incident Energy (MeV)

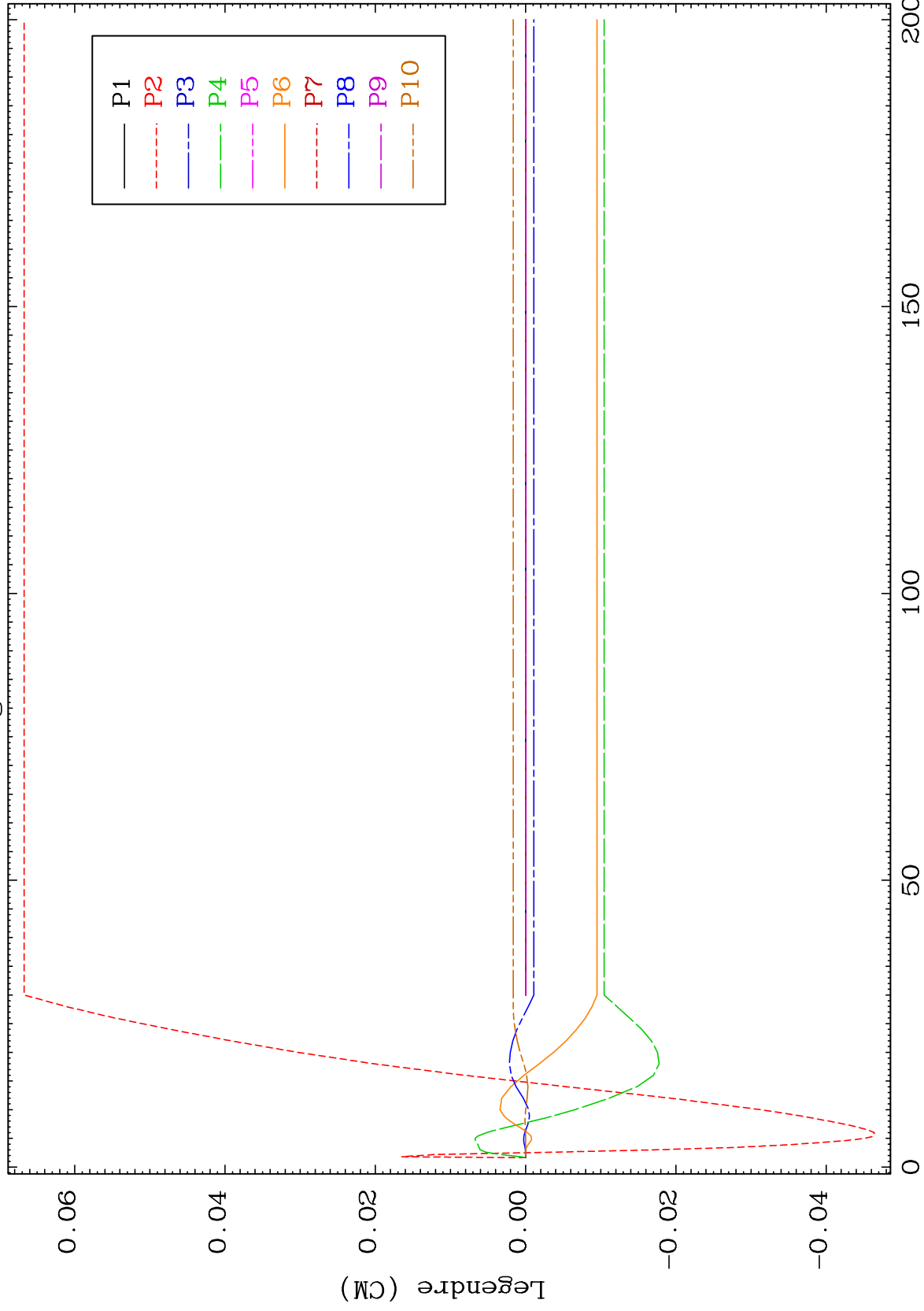
64-Gd-156



MAT 6437

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

64-Gd-156



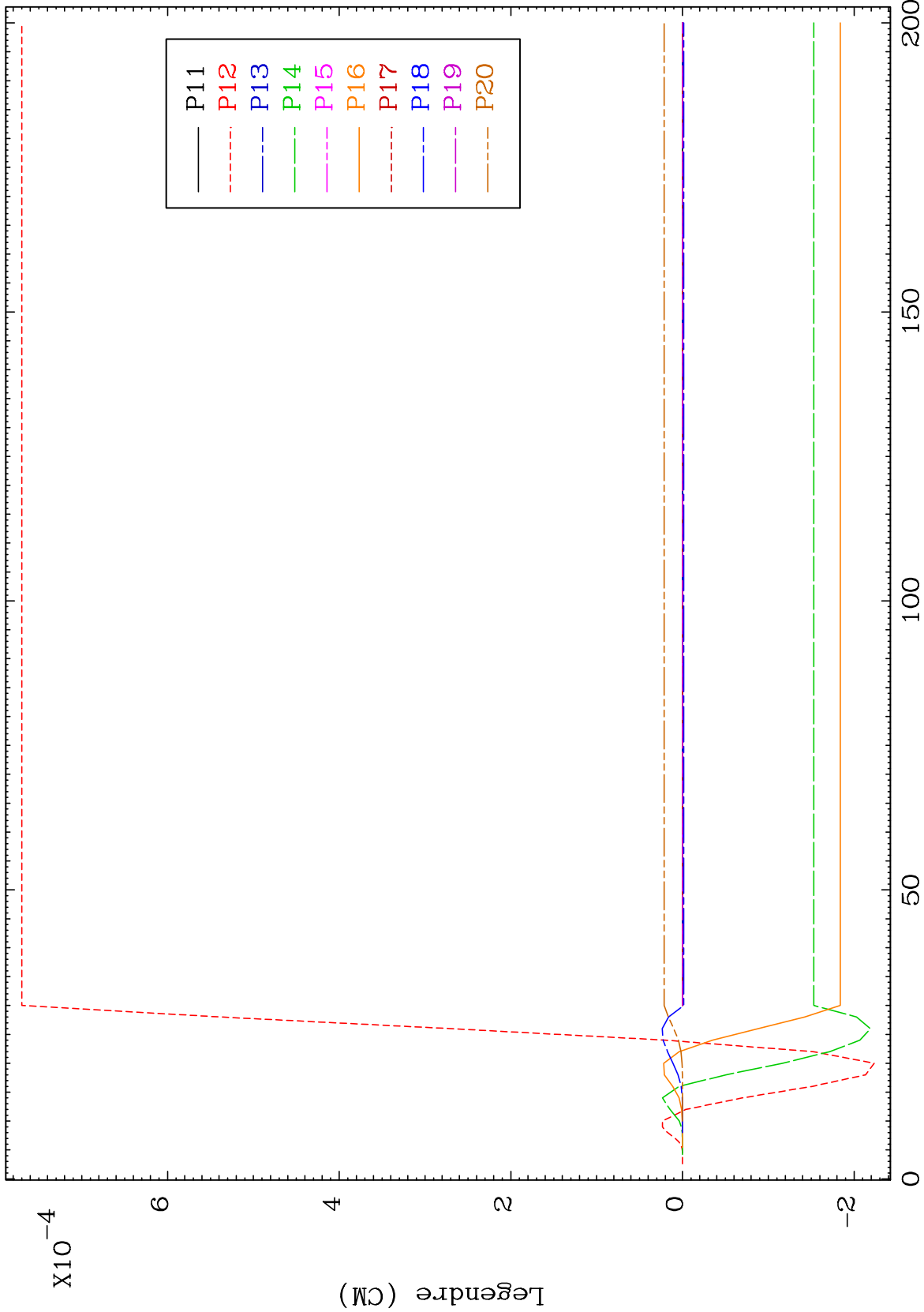
117

64-Gd-156

MAT 6437

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

64-Gd-156



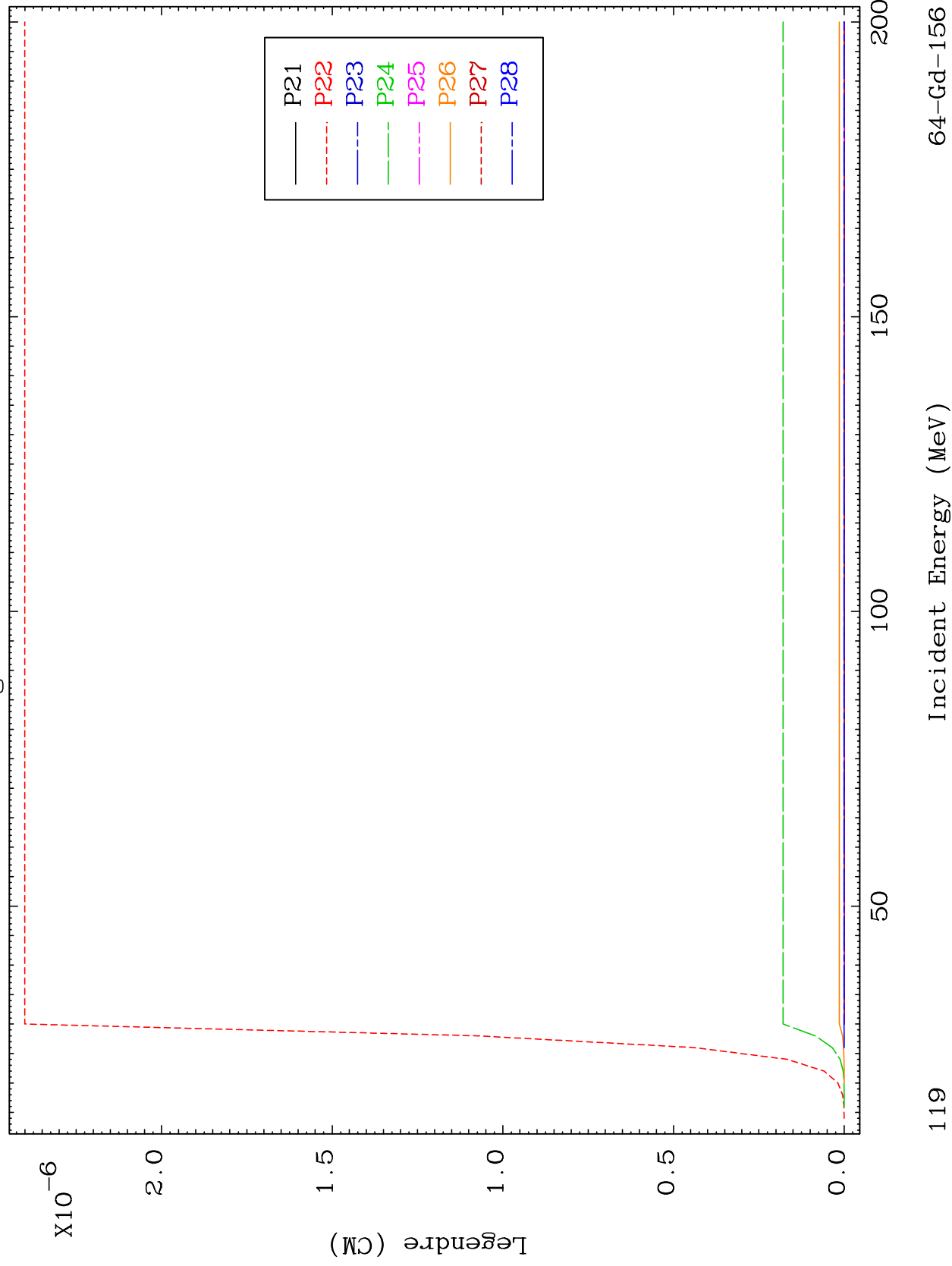
118

64-Gd-156

MAT 6437

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

64-Gd-156



119

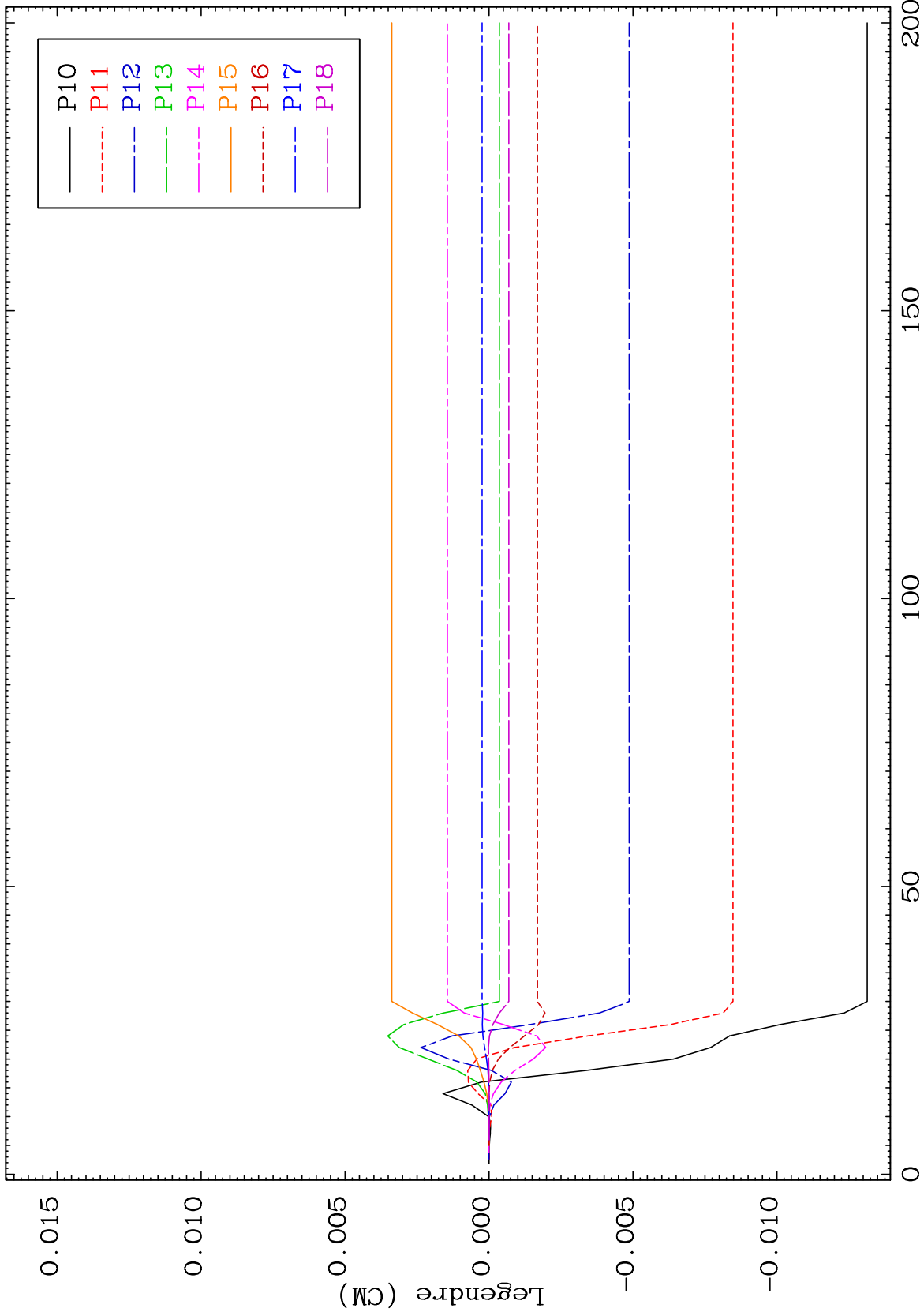
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



121

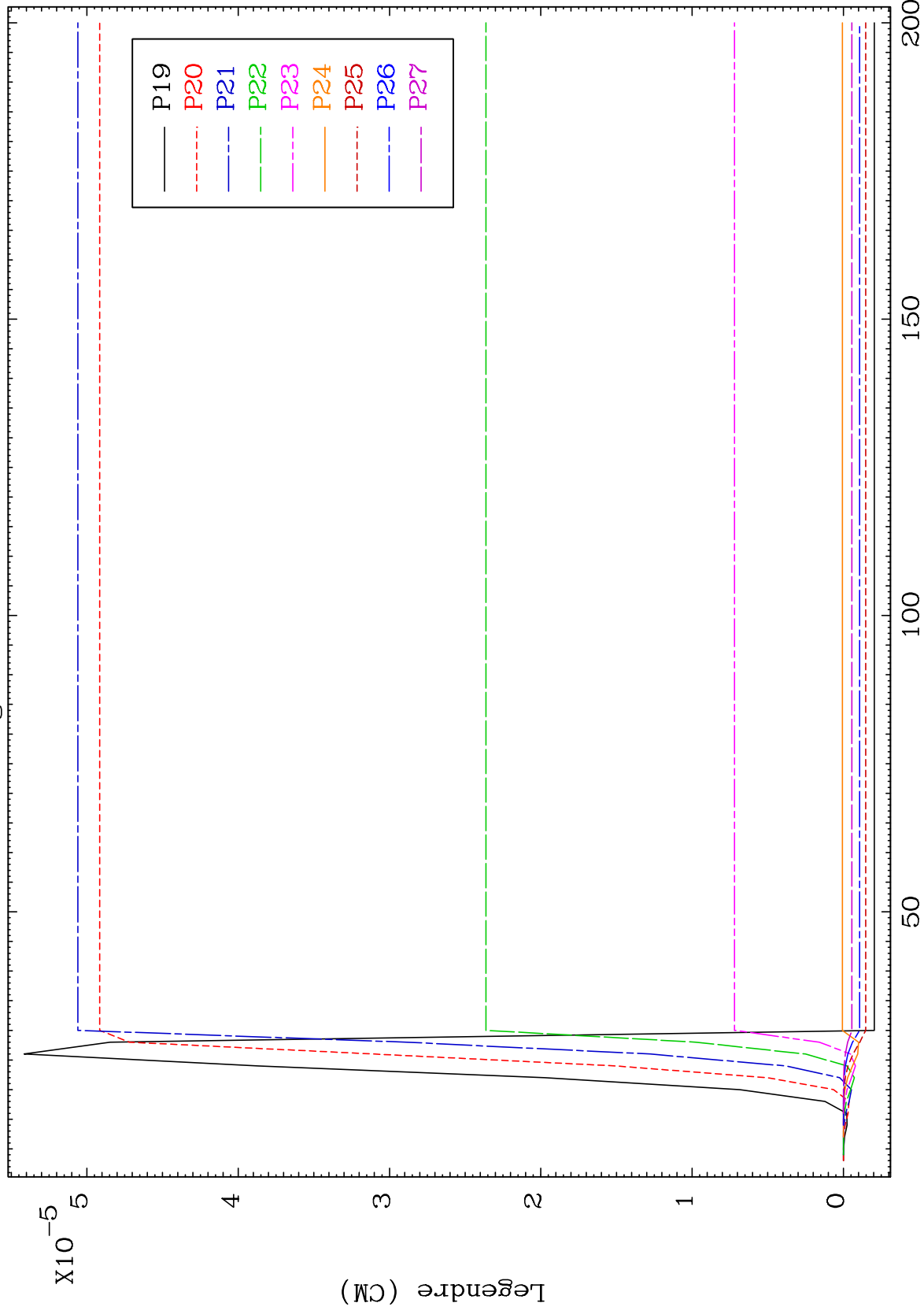
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



122

Incident Energy (MeV)

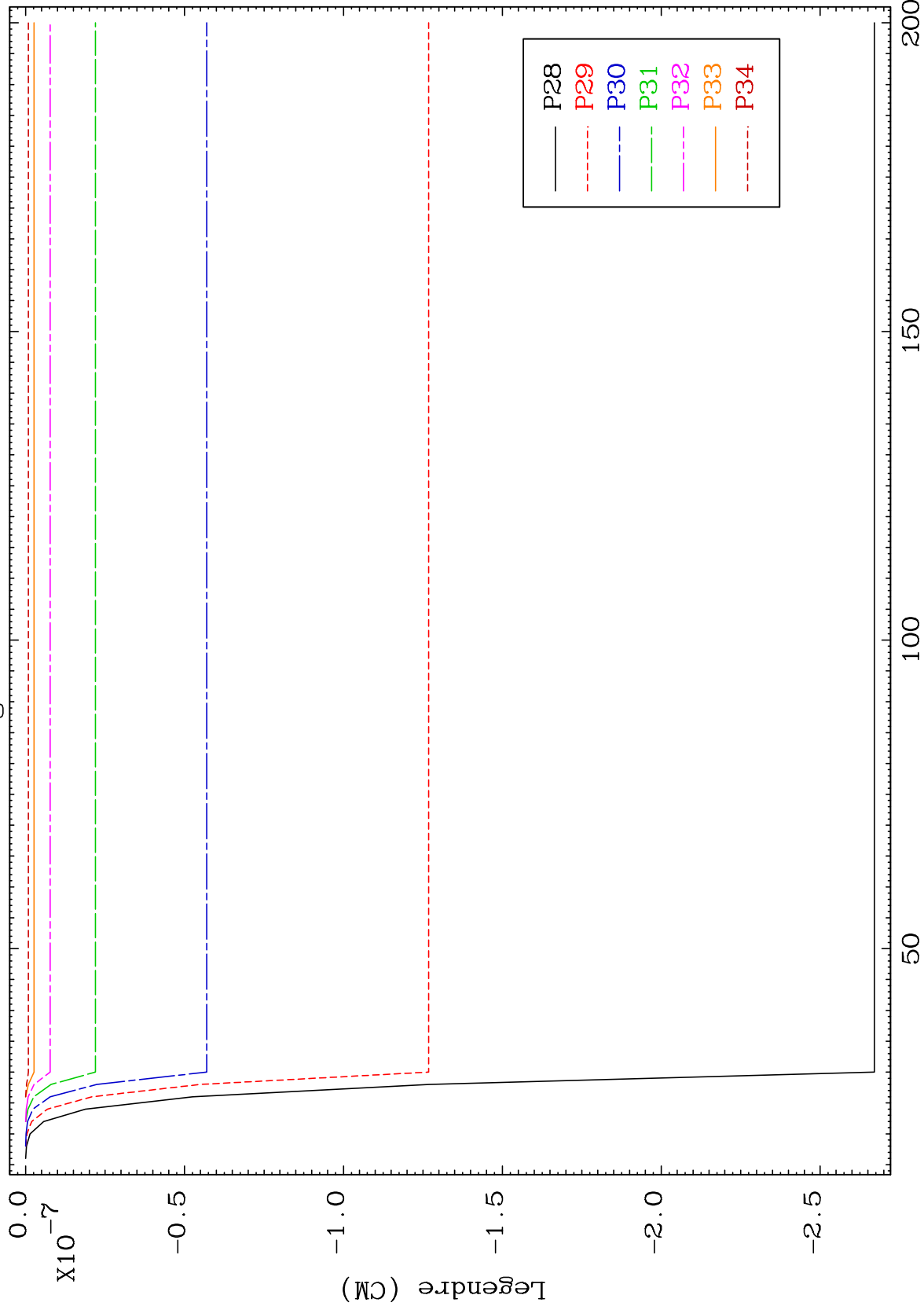
64-Gd-156

MAT 6437

MT= 78 (n,n') Level

64-Gd-156

Legendre Coefficients



64-Gd-156

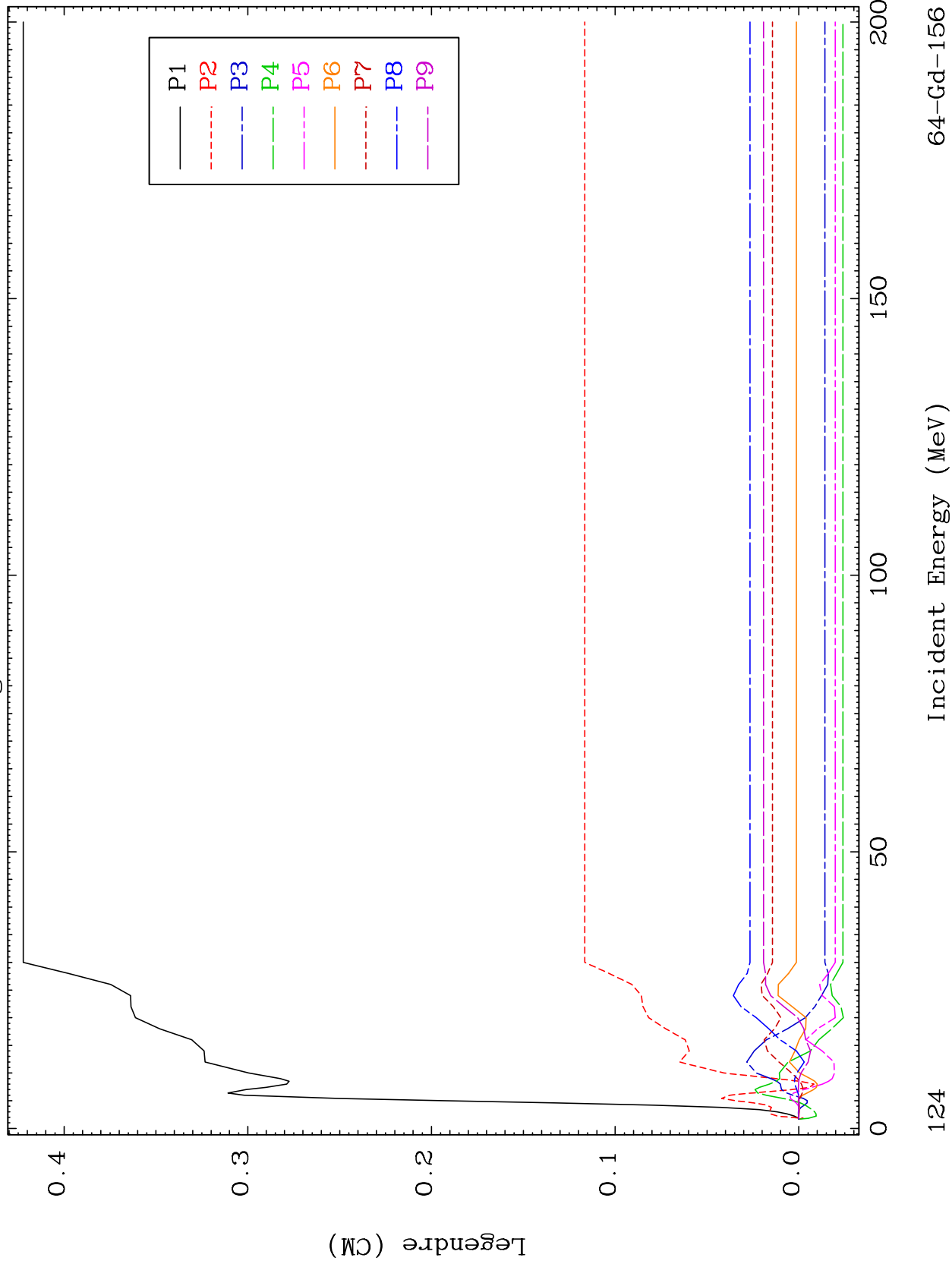
Incident Energy (MeV)

123

MAT 6437

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

64-Gd-156



64-Gd-156

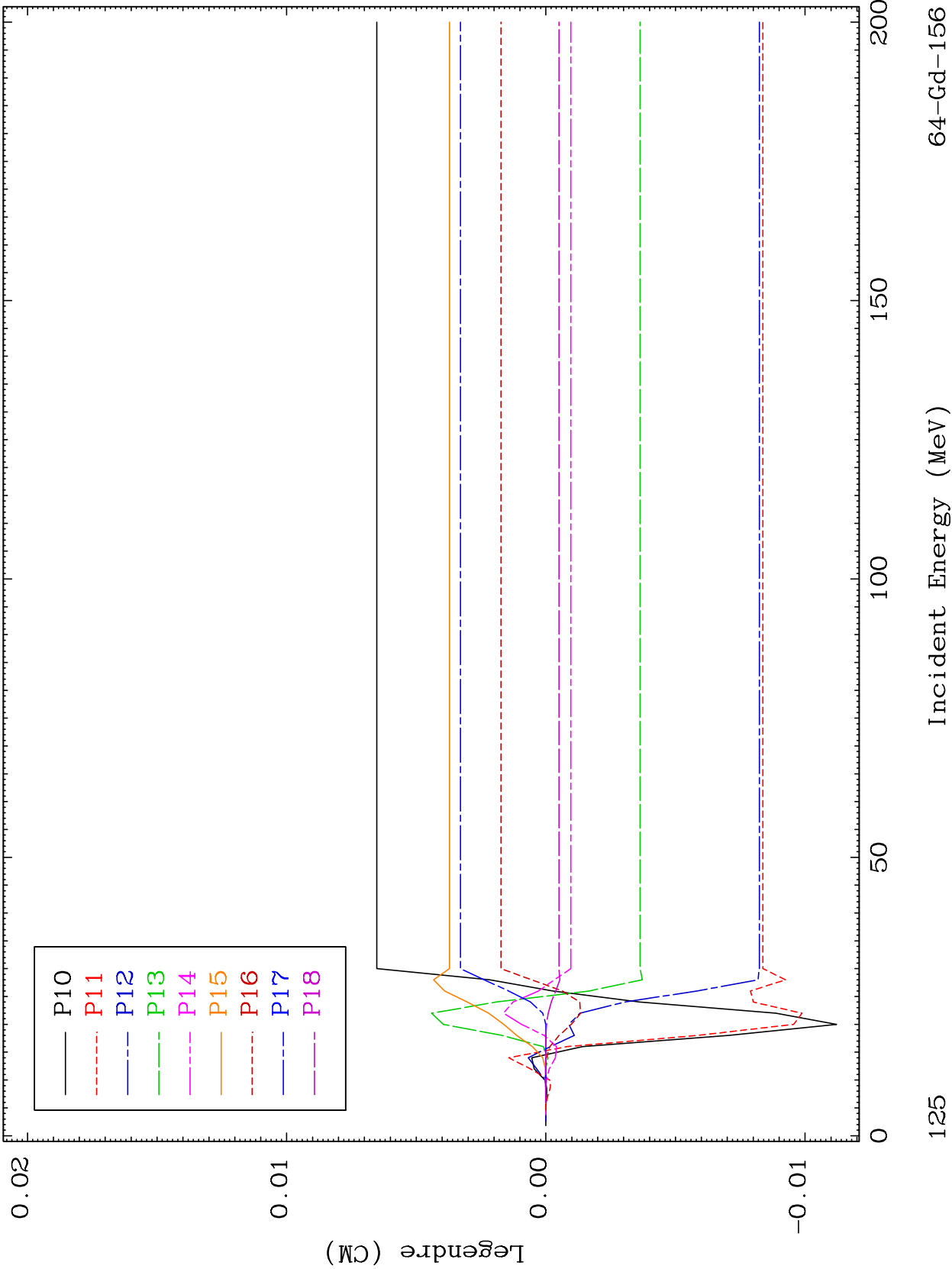
Incident Energy (MeV)

124

MAT 6437

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

64-Gd-156



64-Gd-156

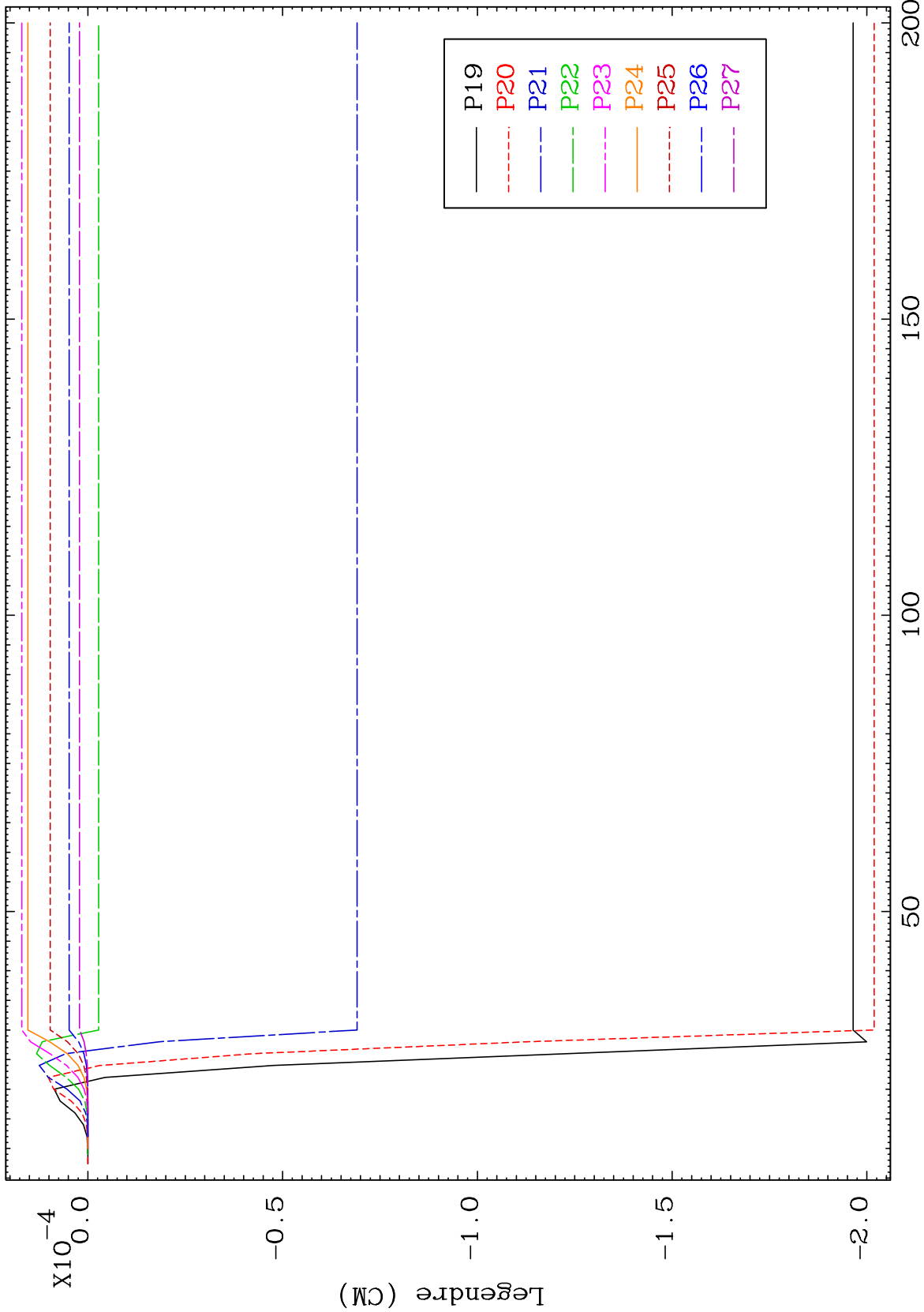
Incident Energy (MeV)

125

MAT 6437

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

64-Gd-156



126

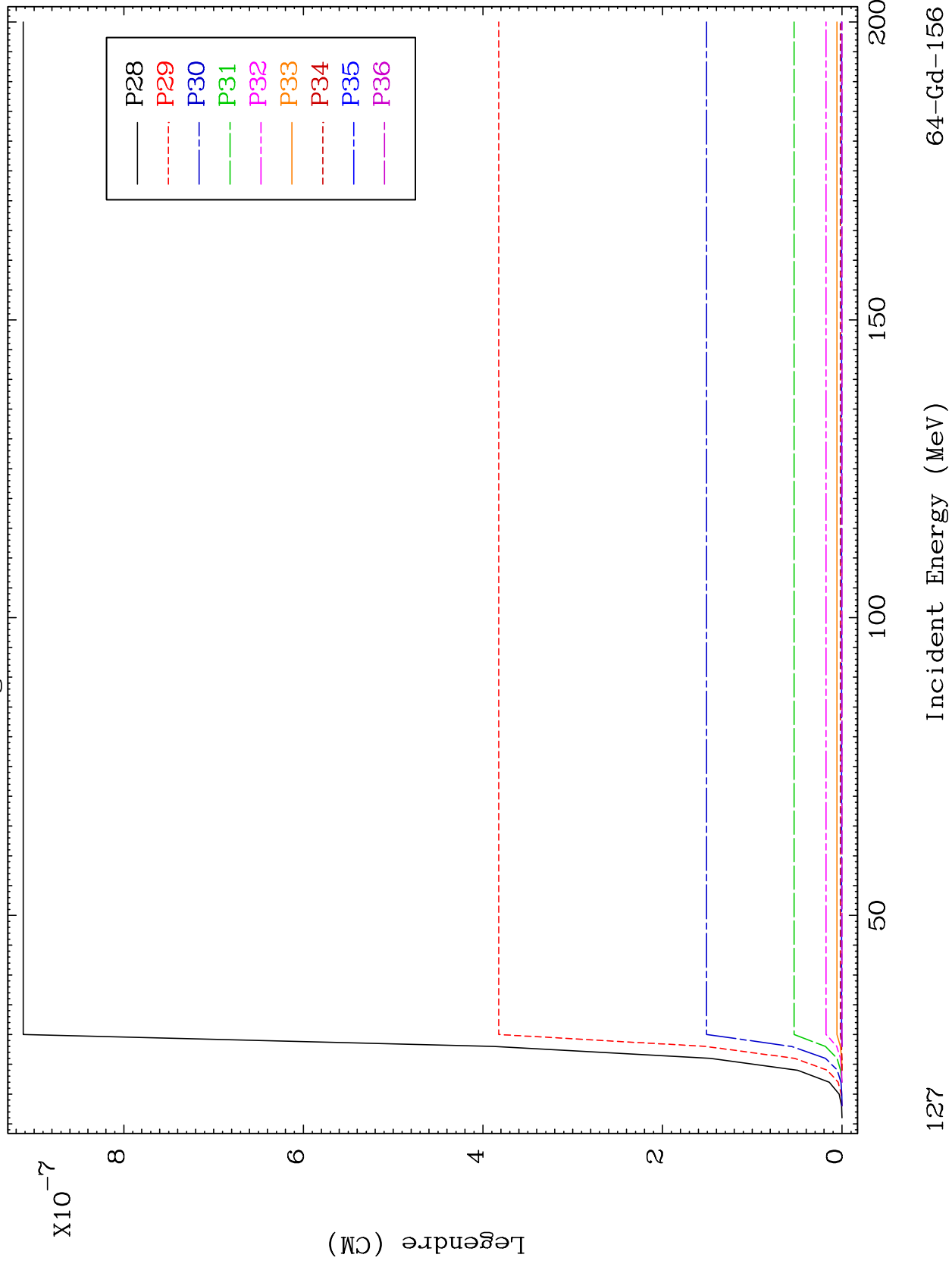
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



127

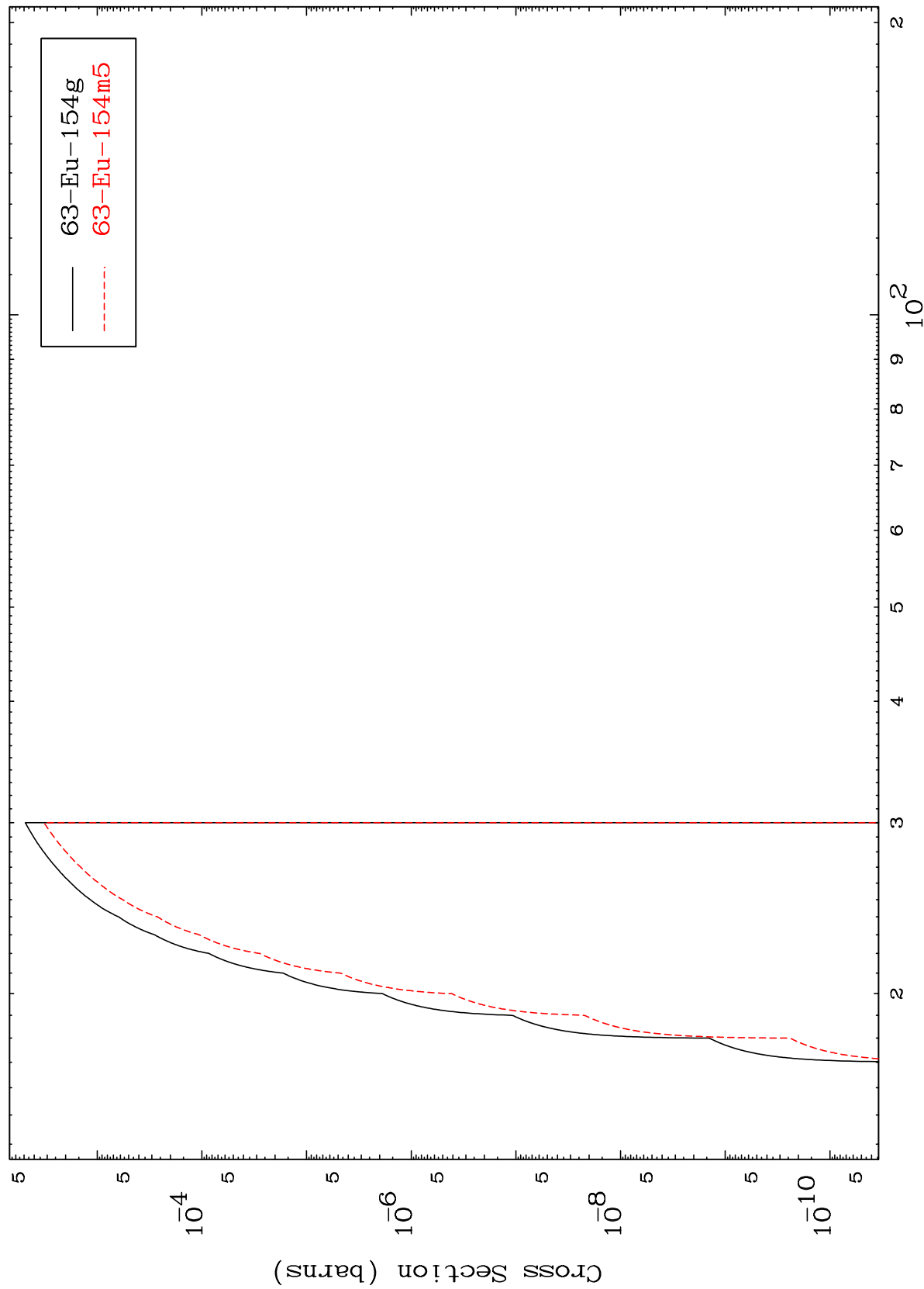
64-Gd-156

MAT 6437

(n,n') d

64-Gd-156

Radionuclide Production Cross Section



128

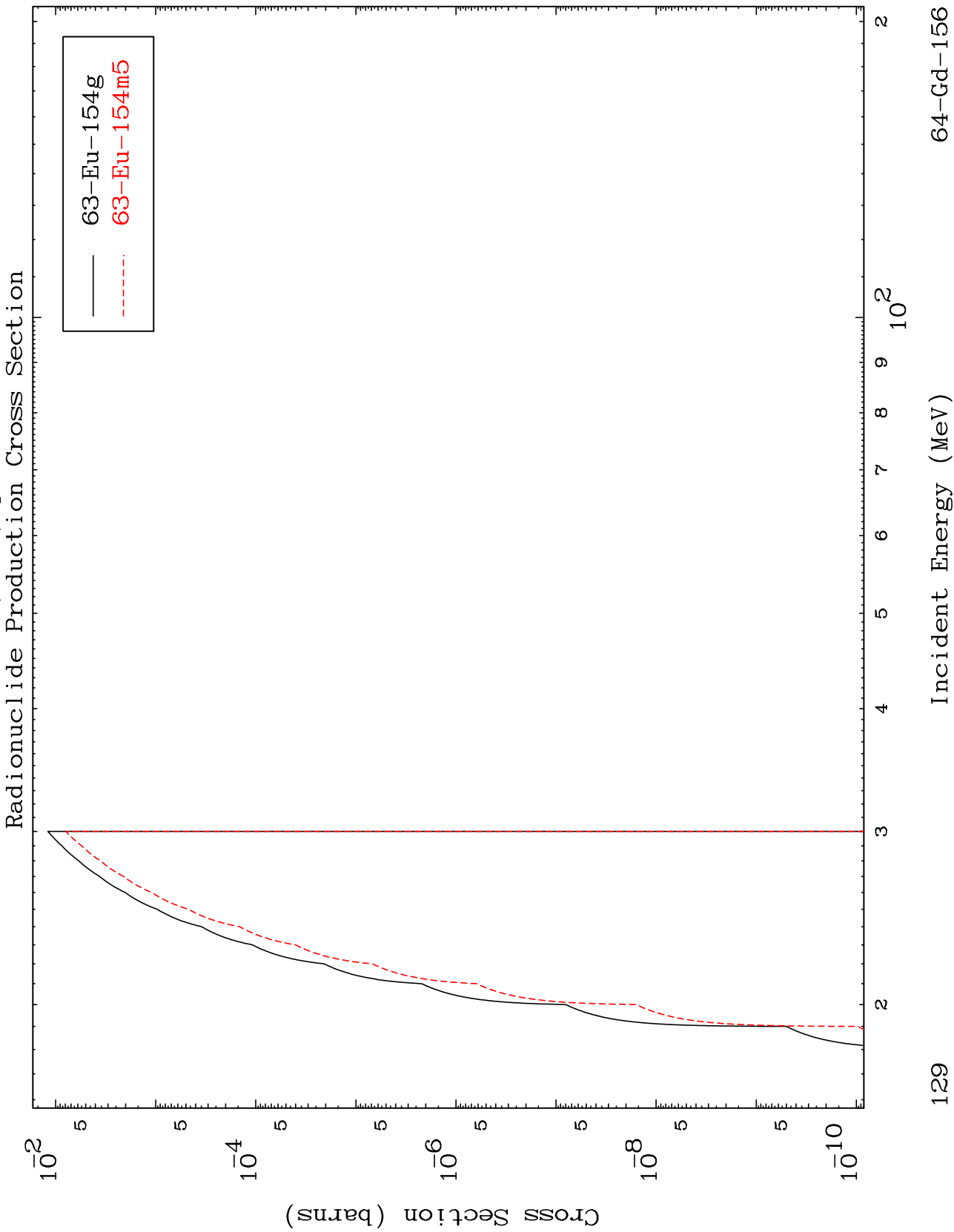
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,2n) p

64-Gd-156



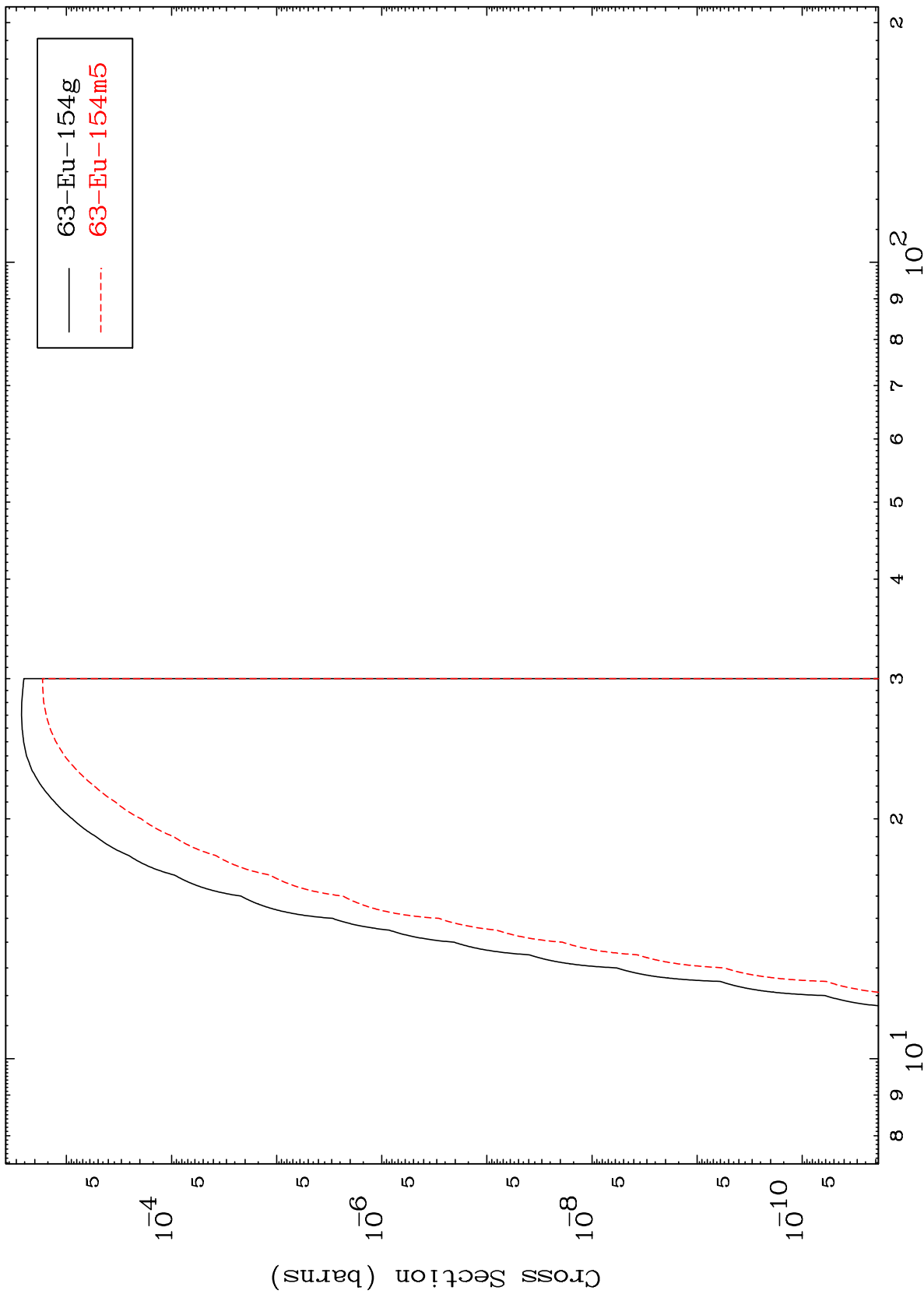
129

64-Gd-156

MAT 6437

64-Gd-156

(n, t)
Radionuclide Production Cross Section



64-Gd-156

Incident Energy (MeV)

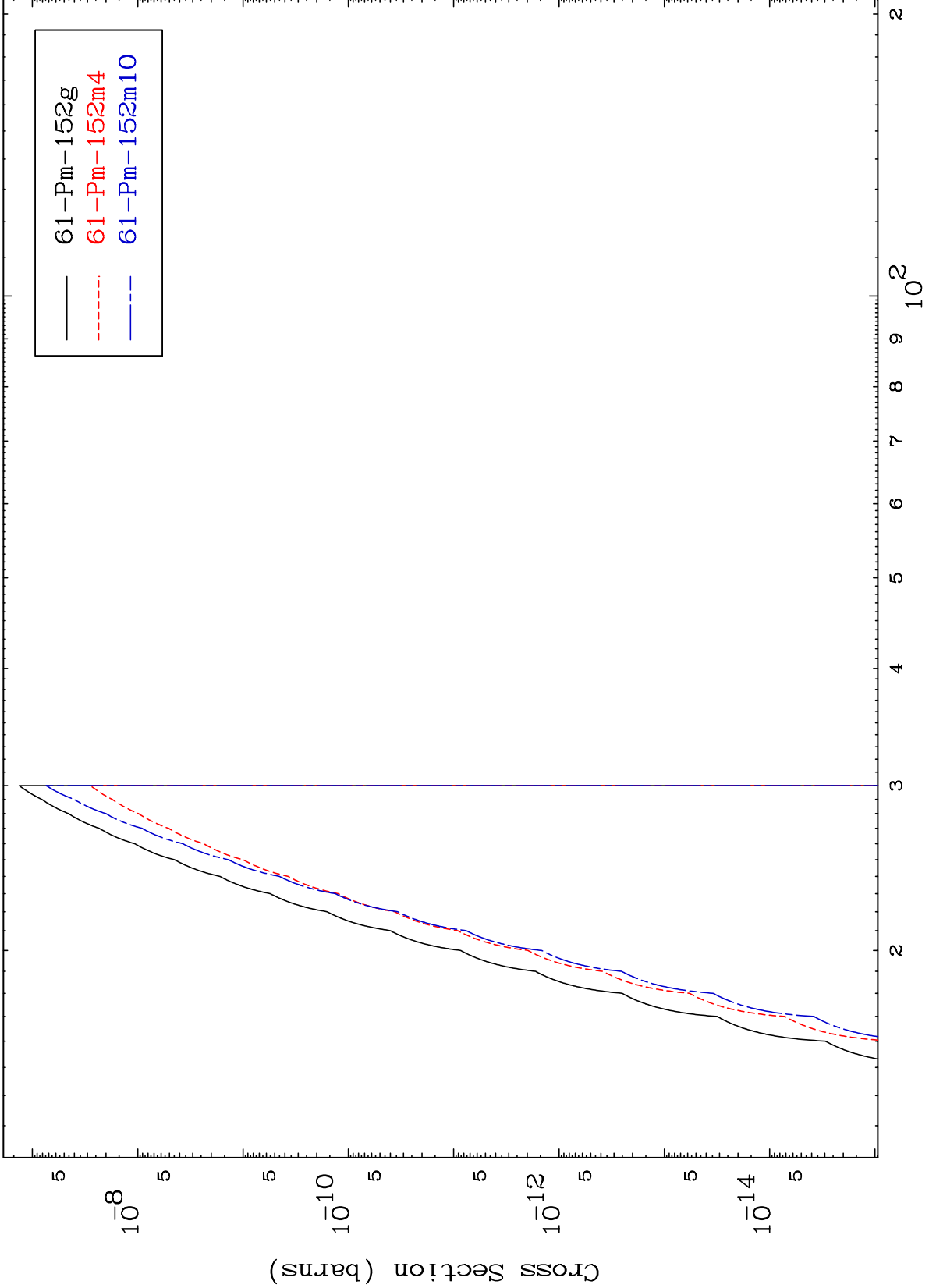
130

MAT 6437

(n,p) α

64-Gd-156

Radionuclide Production Cross Section



131

Incident Energy (MeV)

64-Gd-156