

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
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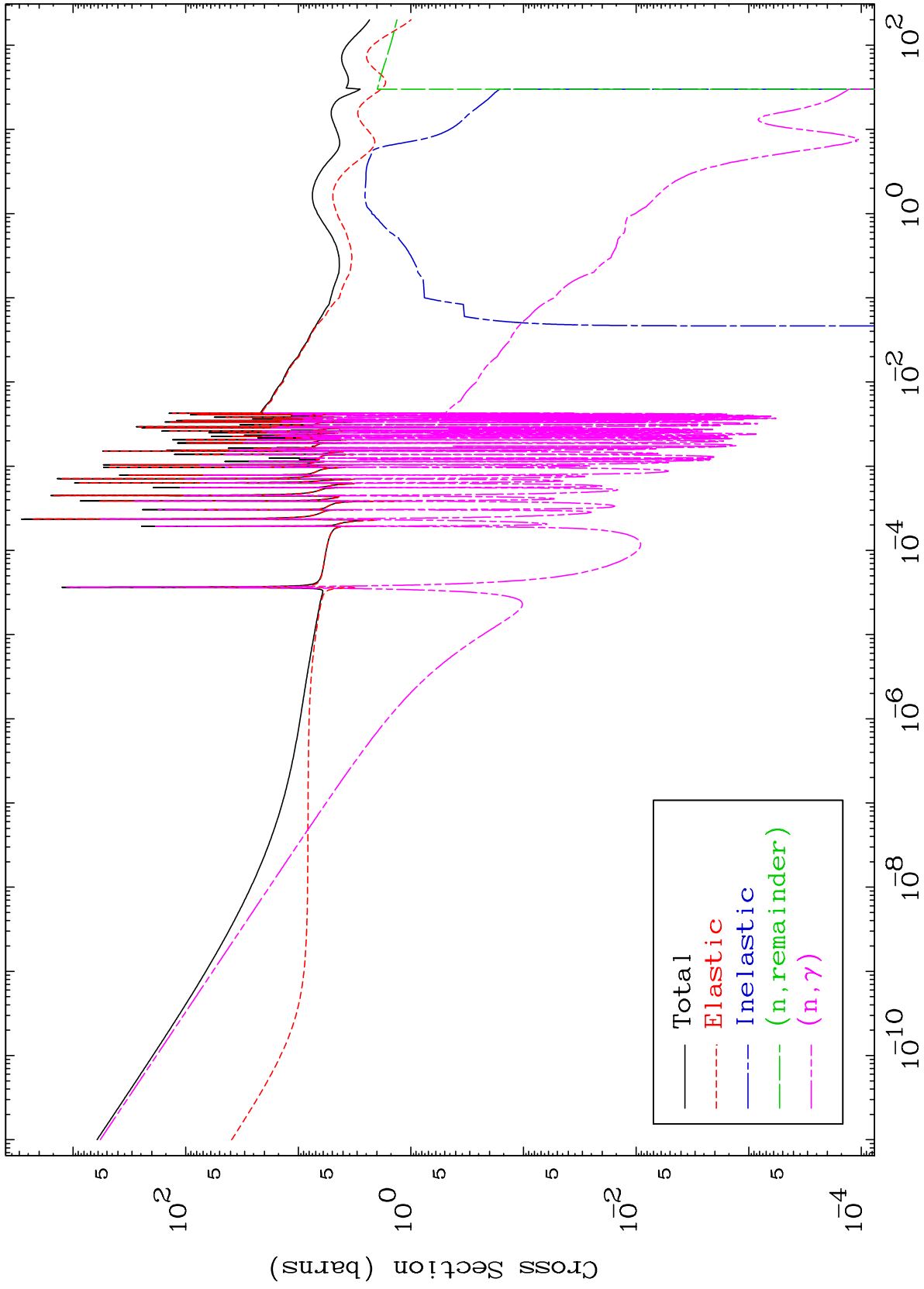
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5758

Major
293 Kelvin Cross Sections

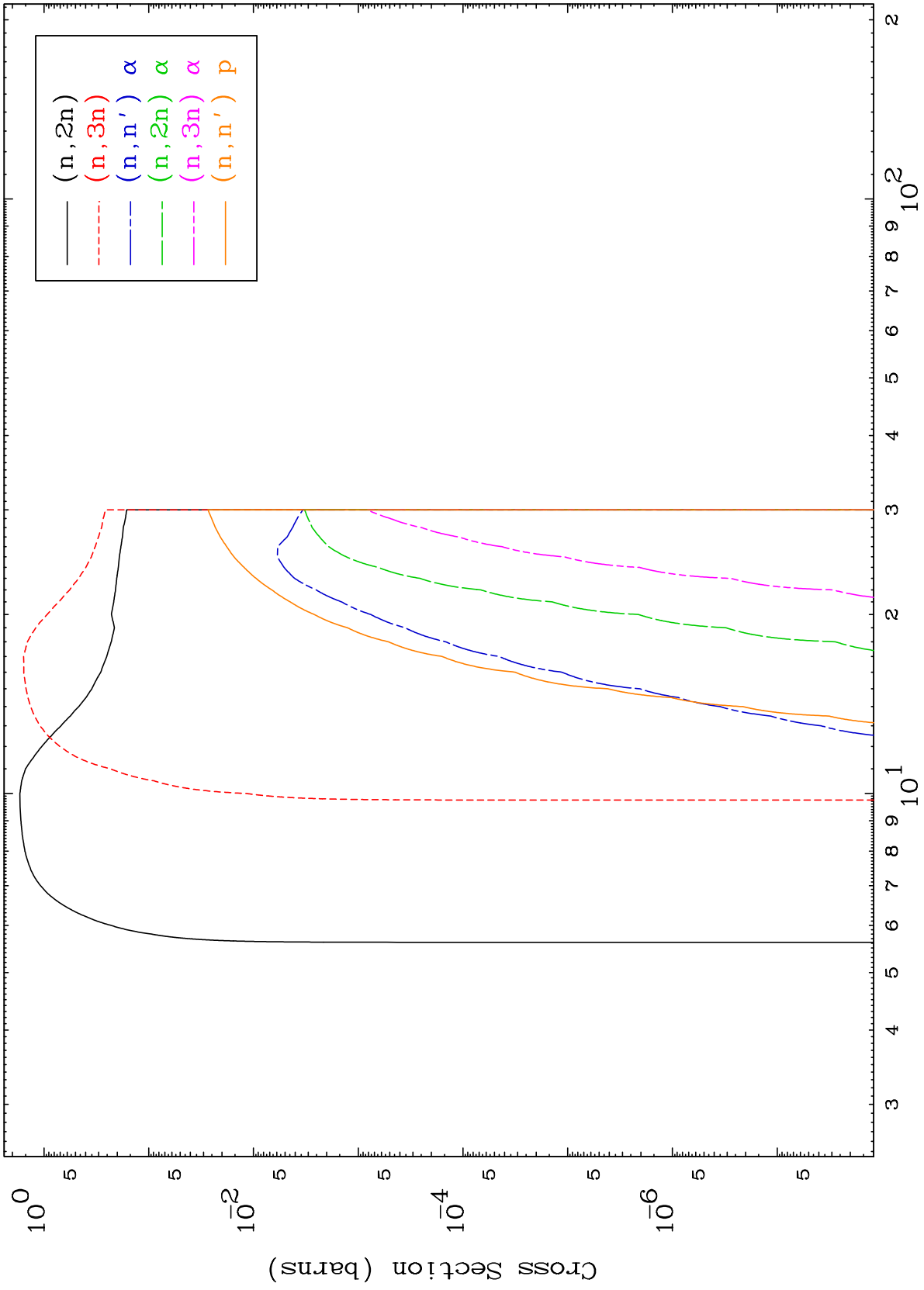
57-La-149



MAT 5758

Neutron Production 293 Kelvin Cross Sections

57-La-149



2

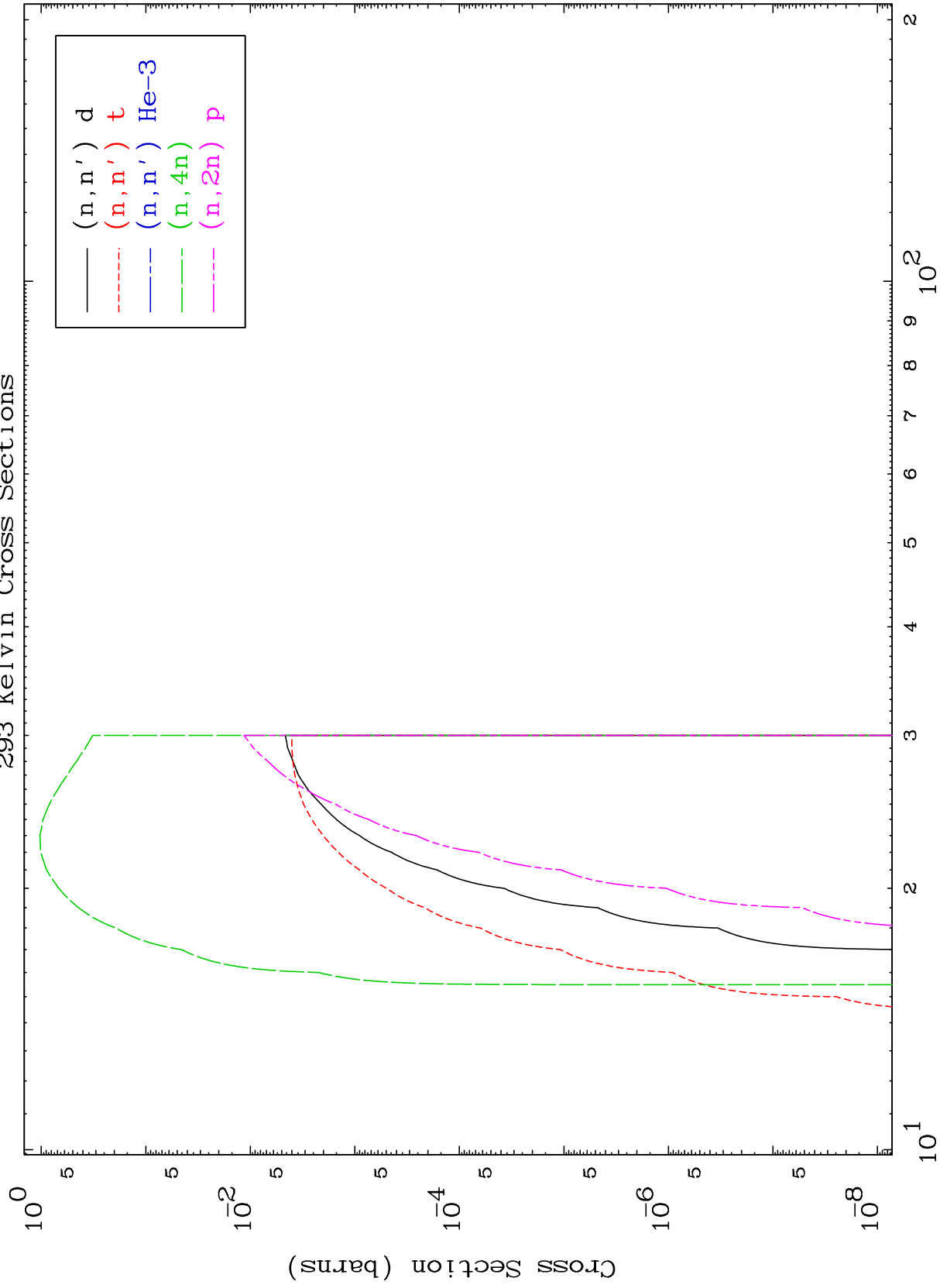
Incident Energy (MeV)

57-La-149

MAT 5758

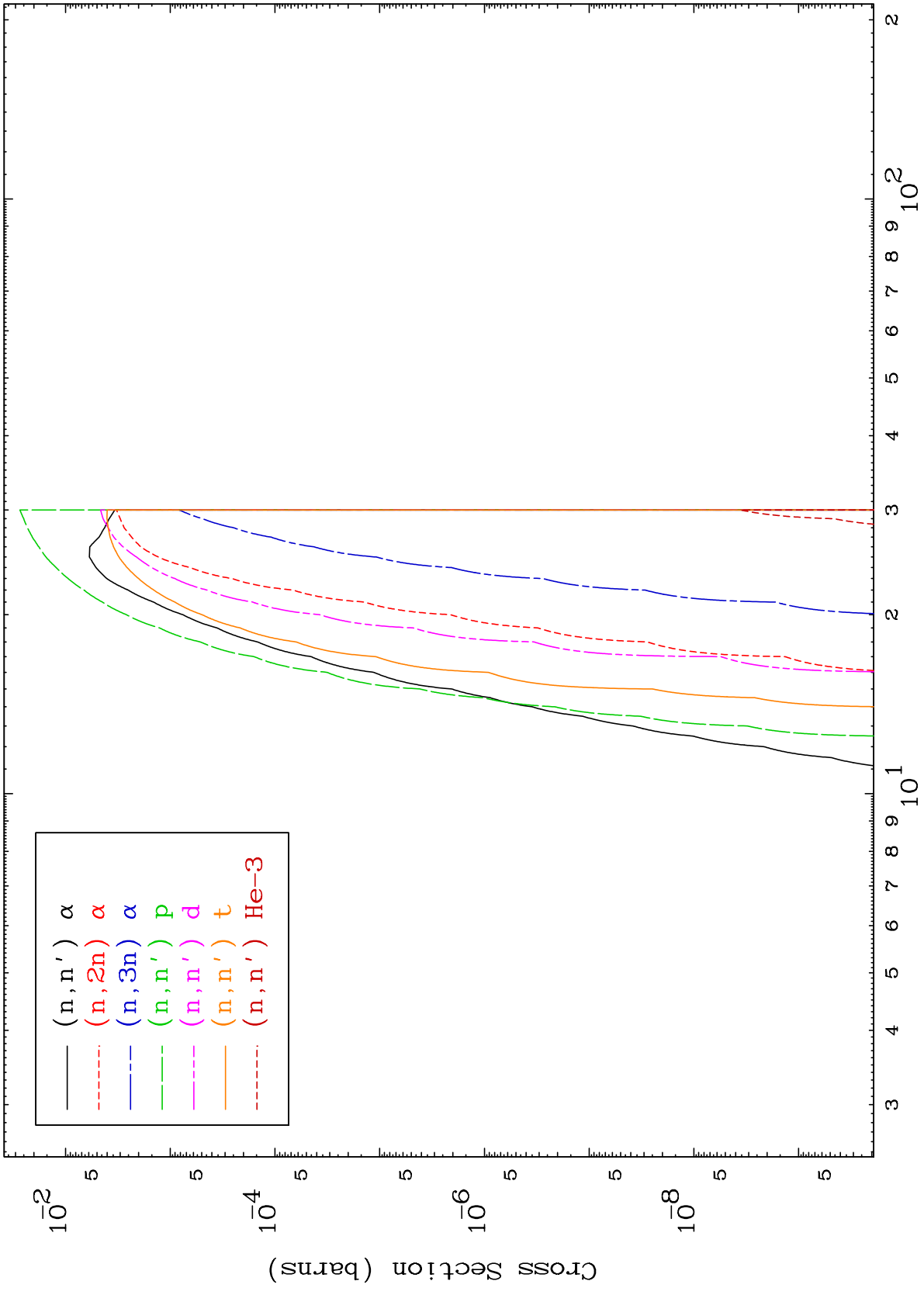
Neutron Production
293 Kelvin Cross Sections

57-La-149



Incident Energy (MeV)

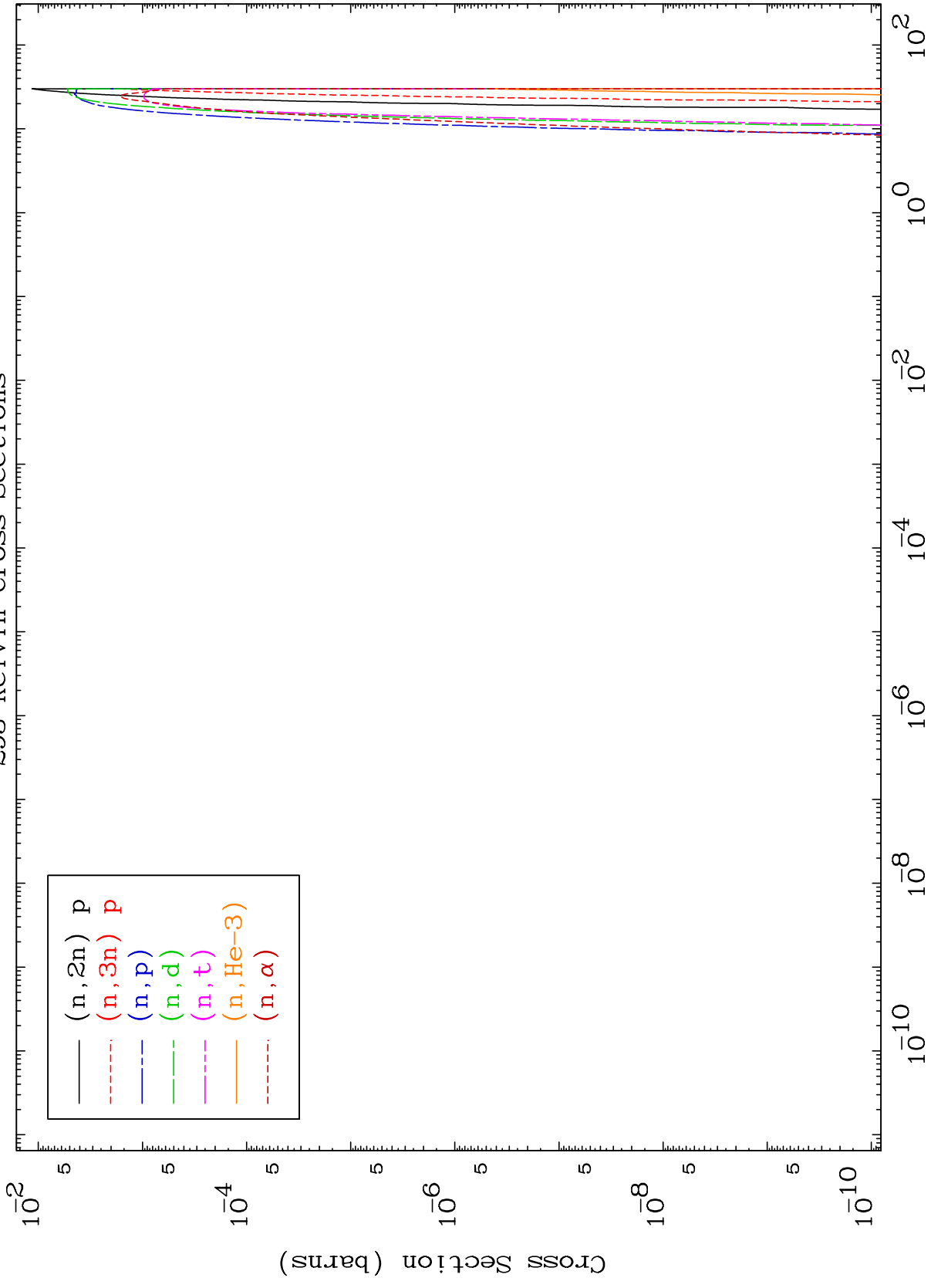
57-La-149



MAT 5758

Charged Particle
293 Kelvin Cross Sections

57-La-149

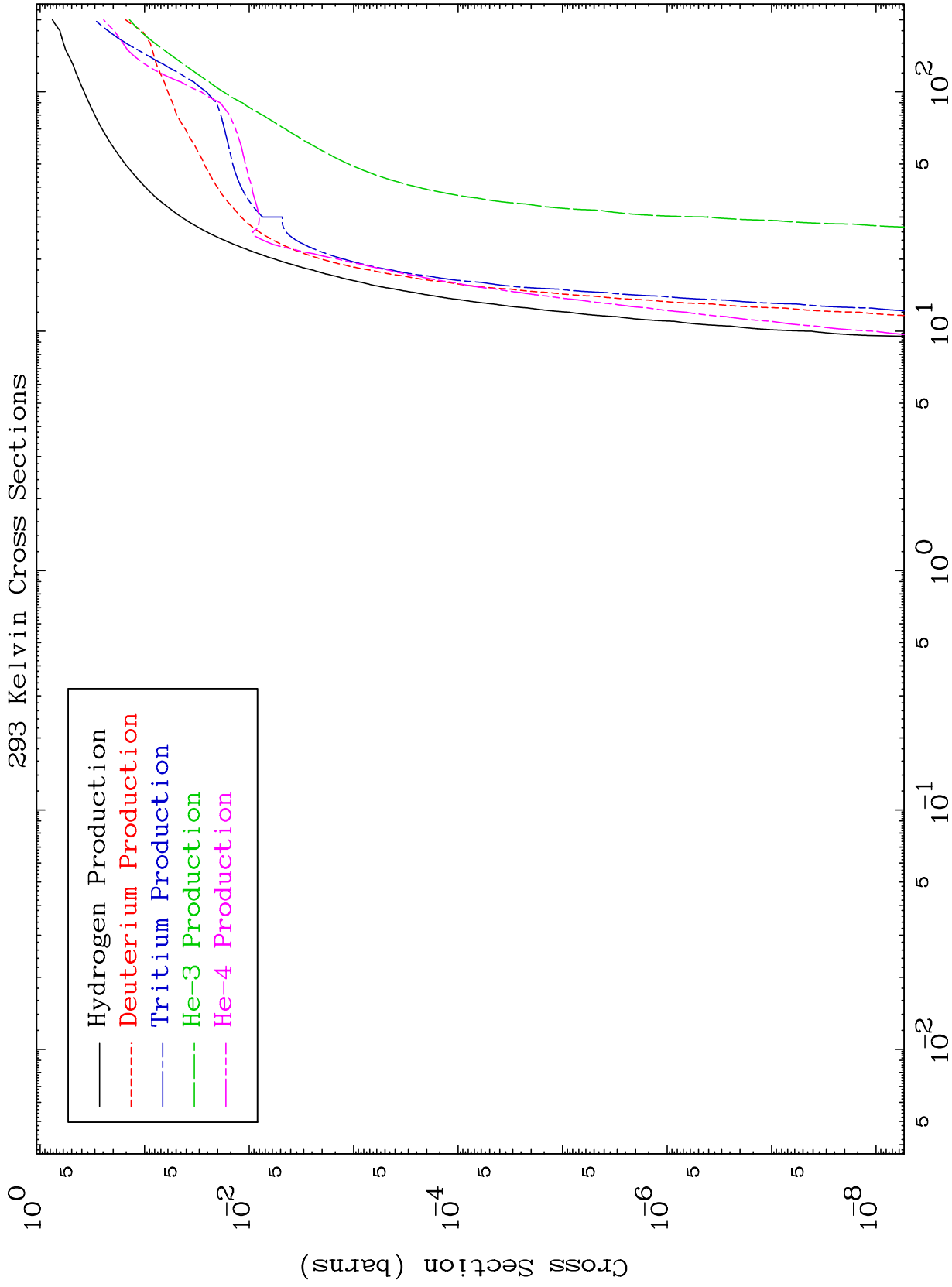


5

MAT 5758

Particle Production
293 Kelvin Cross Sections

57-La-149



6

Incident Energy (MeV)

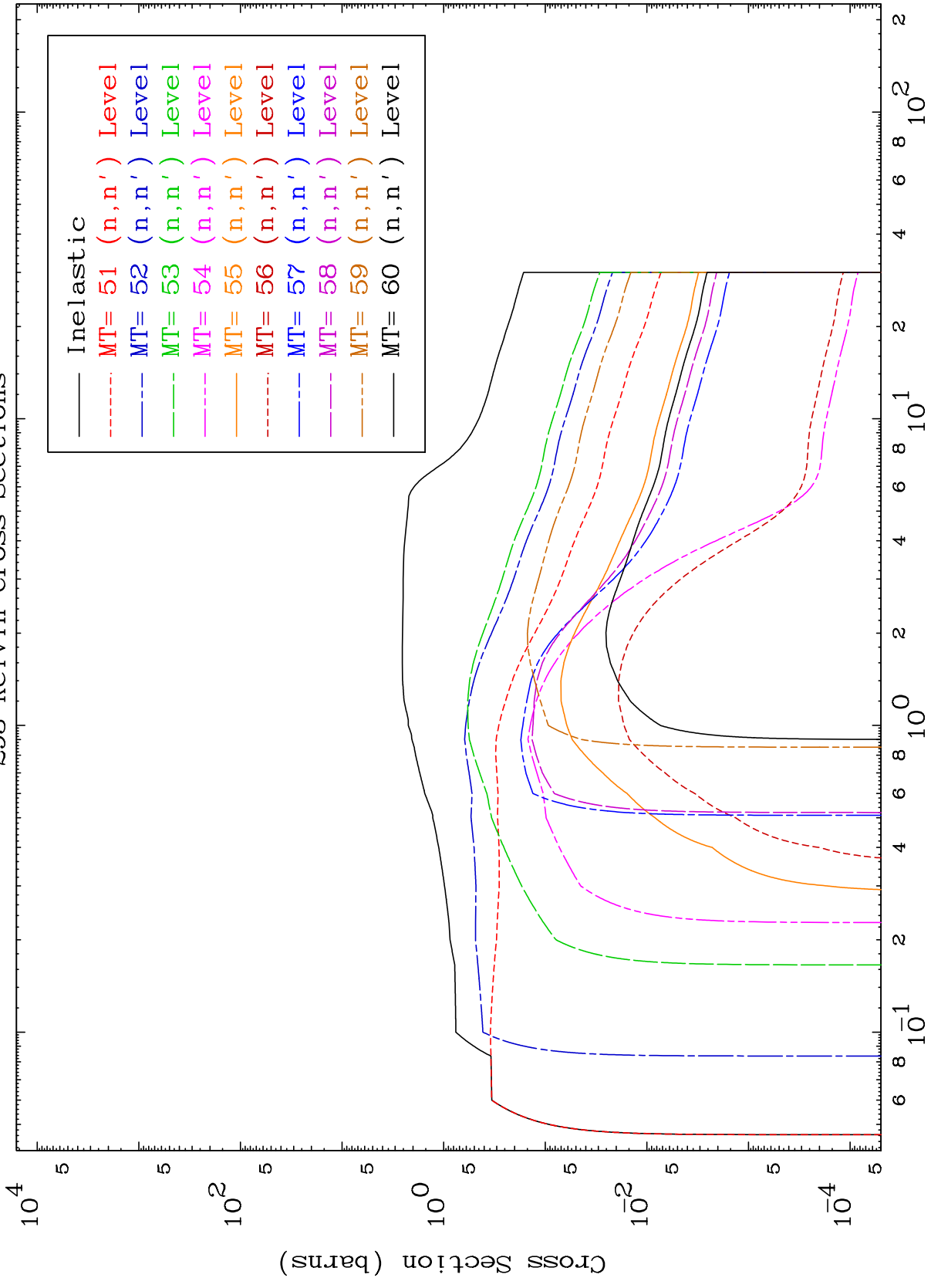
57-La-149

MAT 5758

(n,n') Level

57-La-149

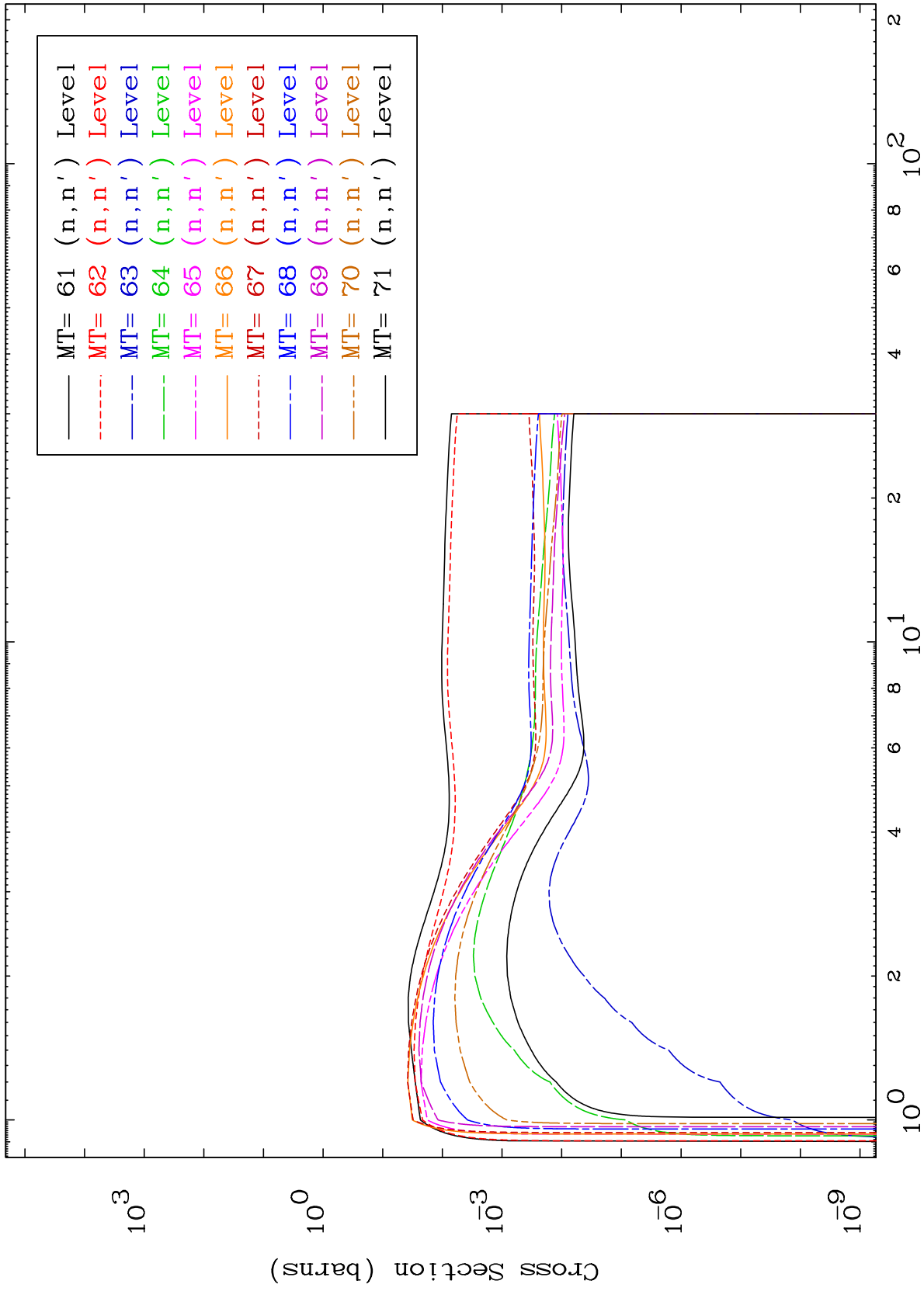
293 Kelvin Cross Sections



MAT 5758

(n,n') Level
293 Kelvin Cross Sections

57-La-149



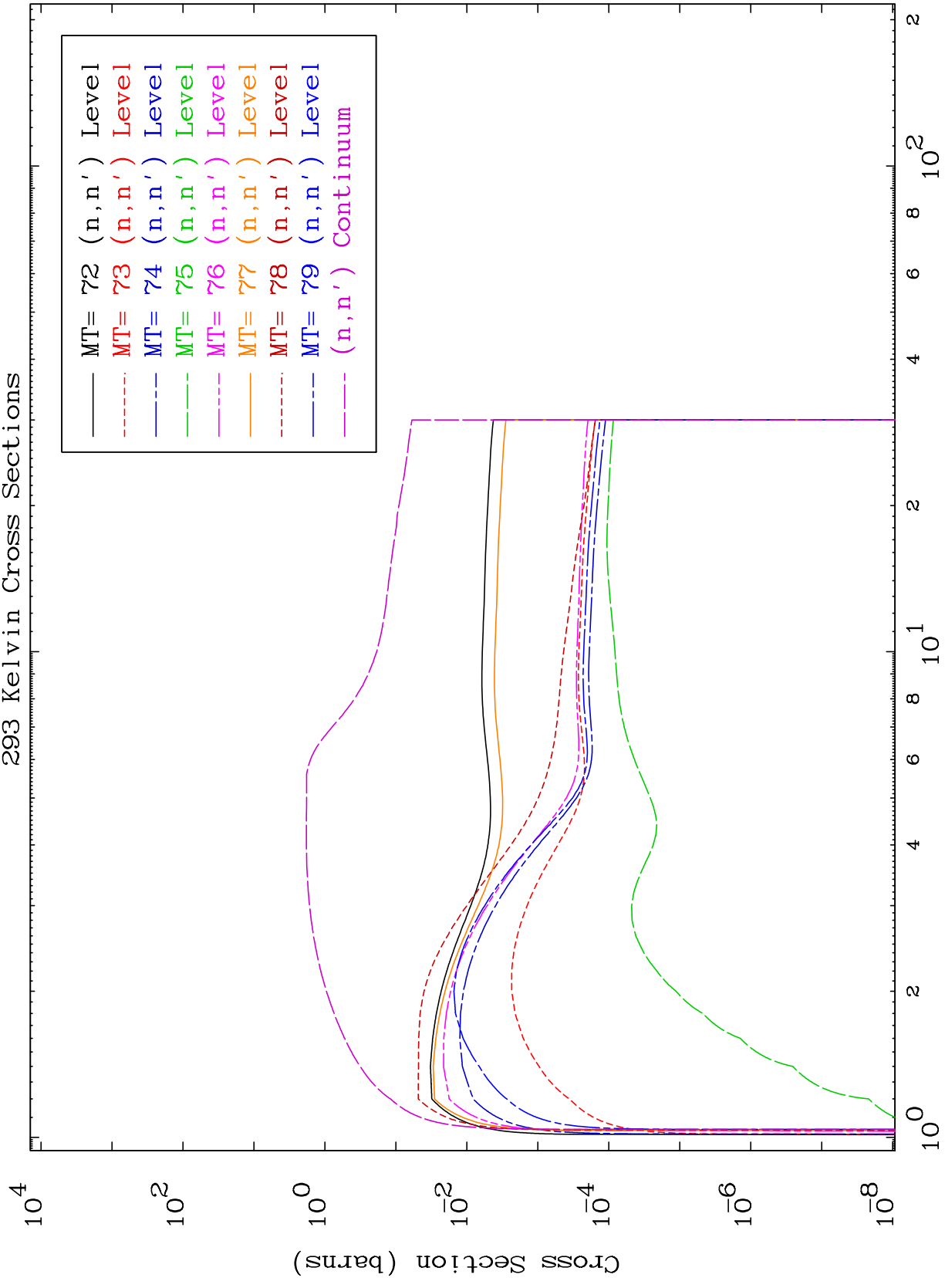
Incident Energy (MeV)

57-La-149

MAT 5758

(n,n') Level
293 Kelvin Cross Sections

57-La-149



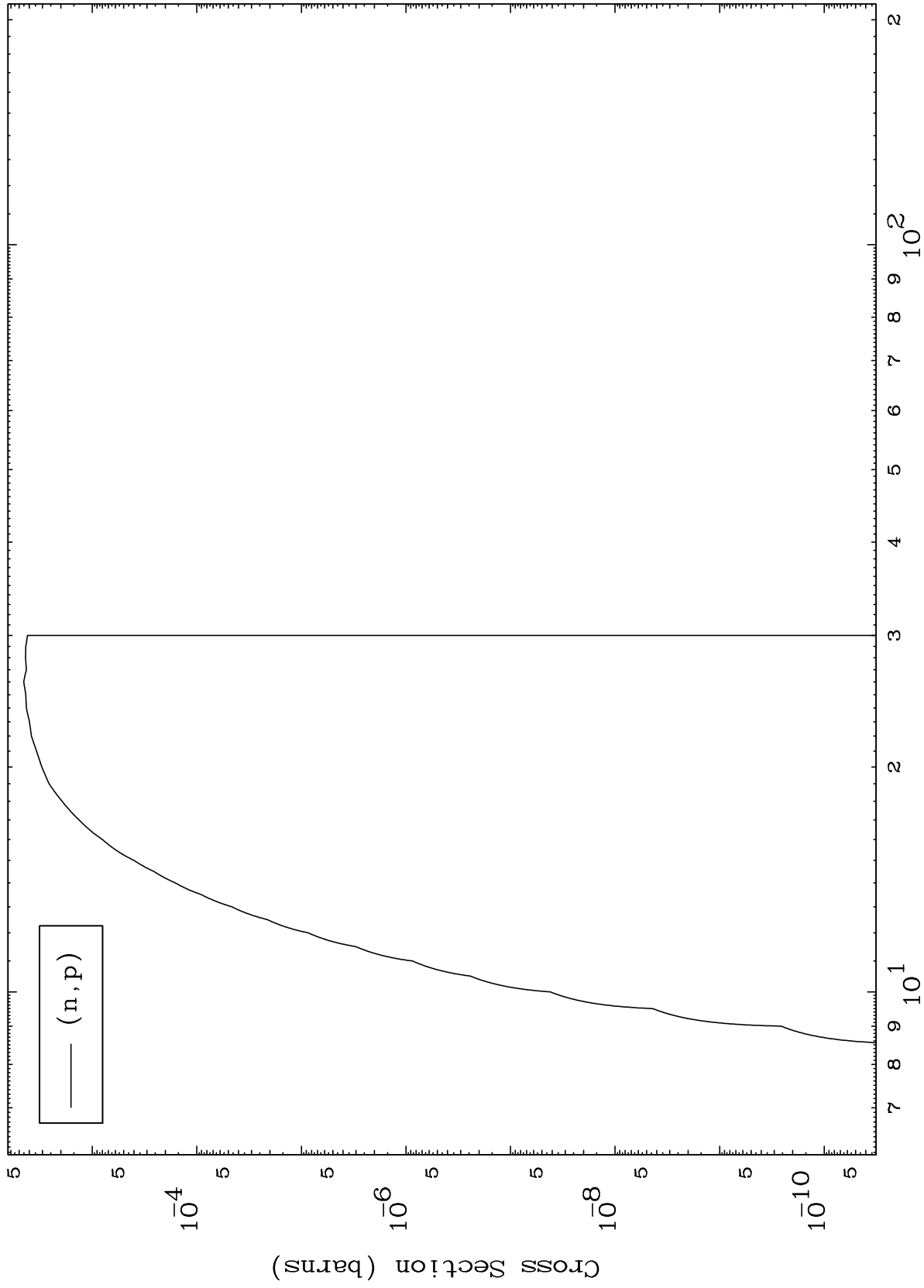
Incident Energy (MeV)

57-La-149

MAT 5758

(n,p) Levels
293 Kelvin Cross Sections

57-La-149



10

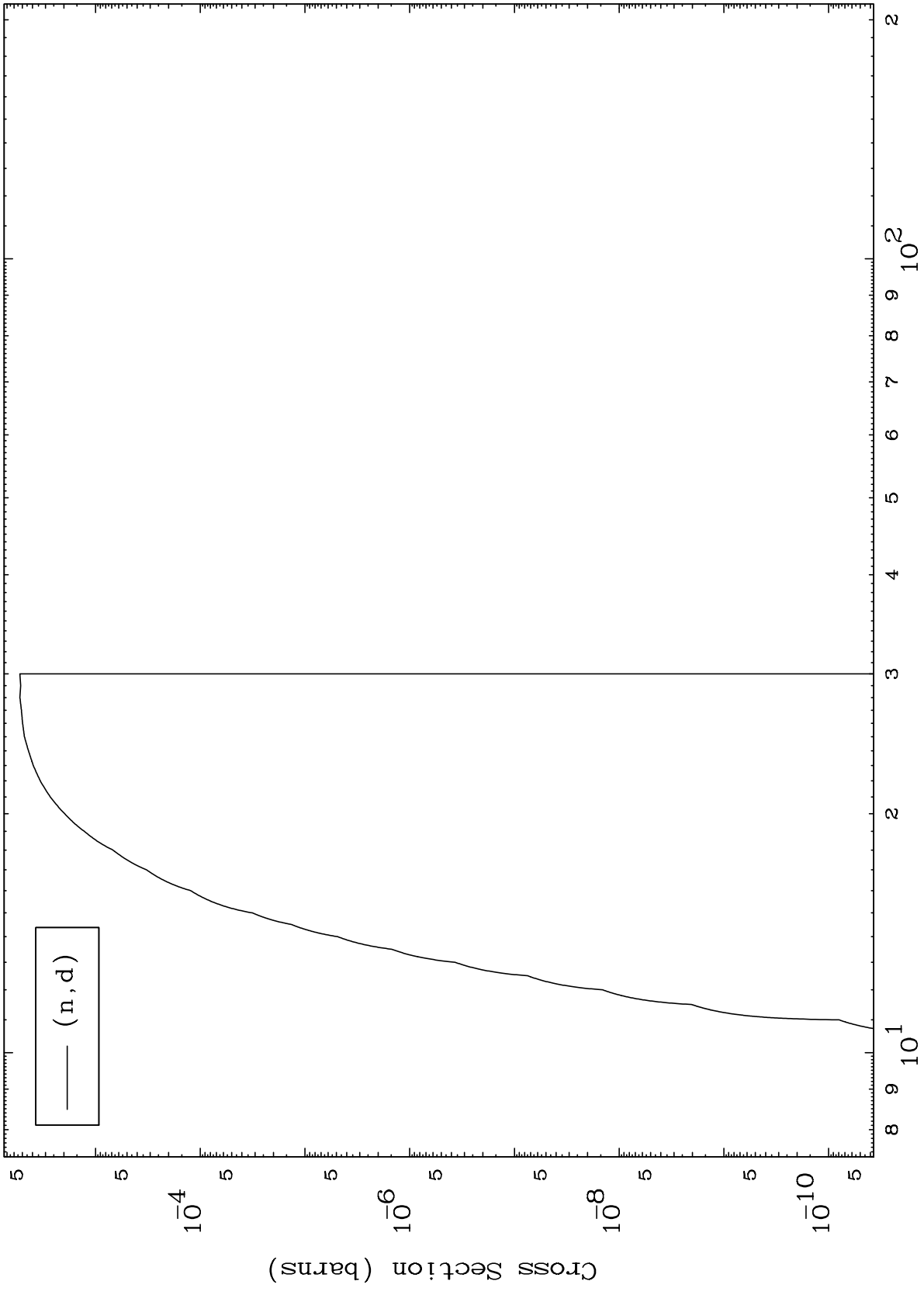
Incident Energy (MeV)

57-La-149

MAT 5758

(n,d) Levels
293 Kelvin Cross Sections

57-La-149



11

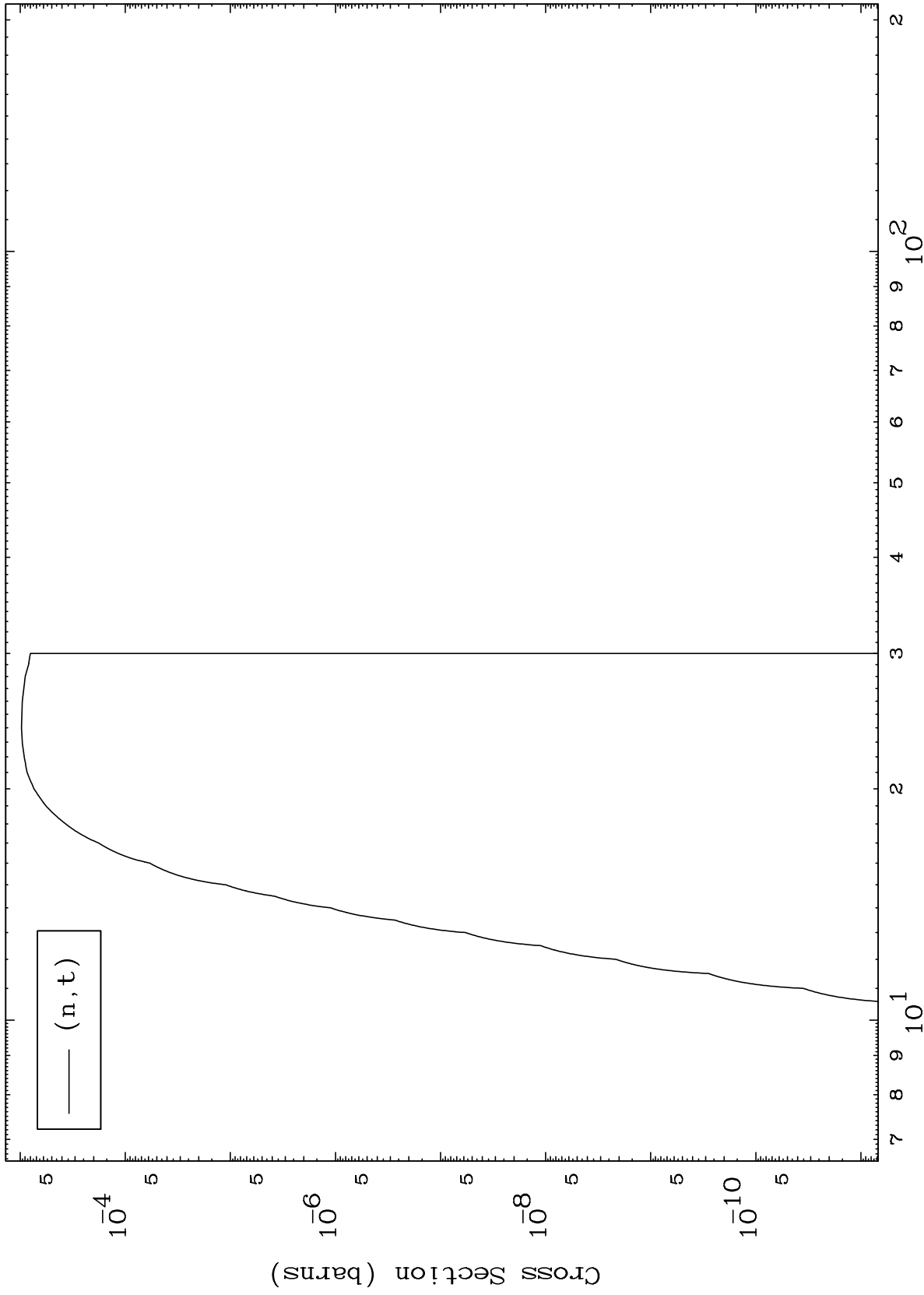
Incident Energy (MeV)

57-La-149

MAT 5758

(n,t) Levels
293 Kelvin Cross Sections

57-La-149



12

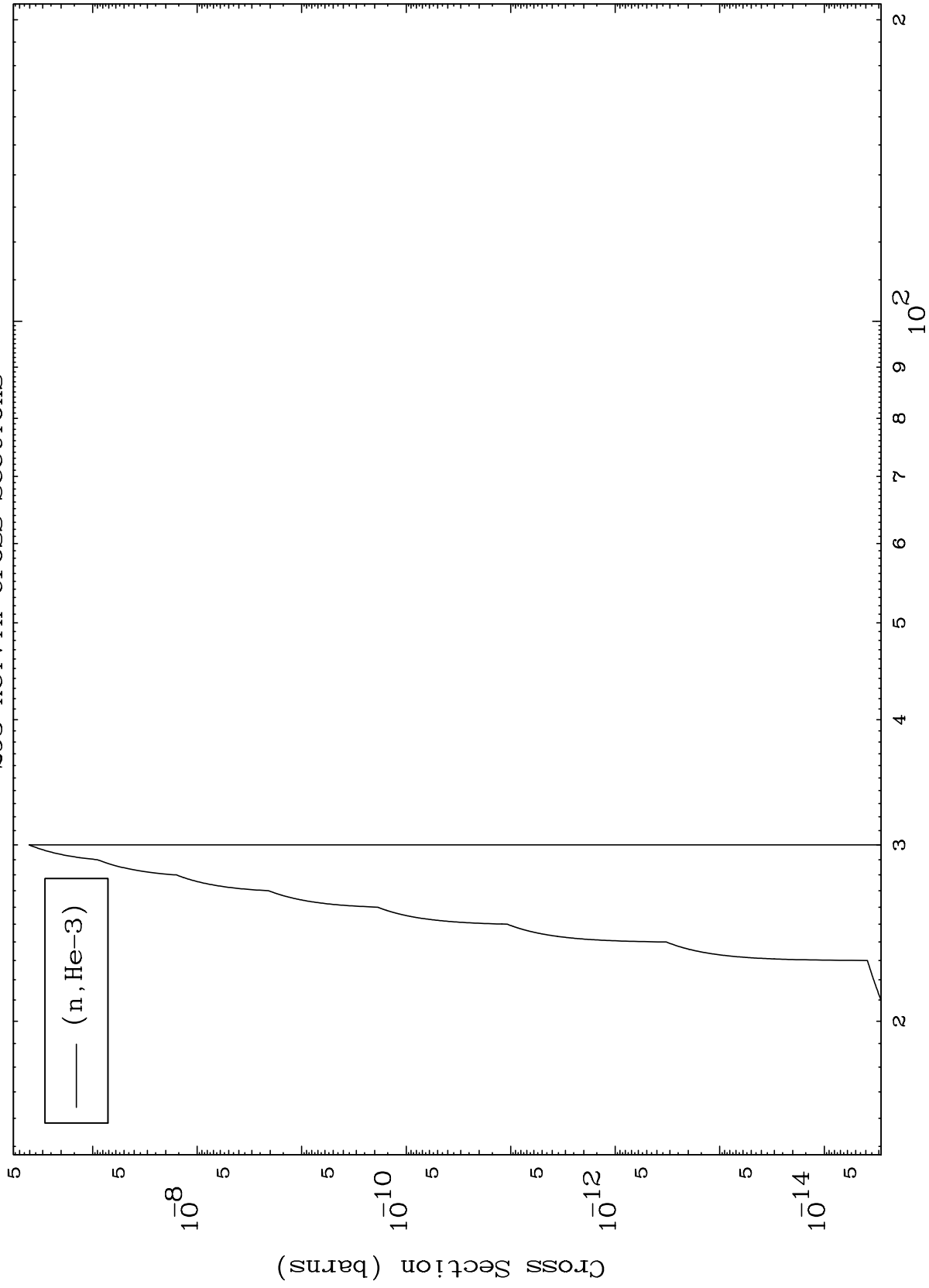
Incident Energy (MeV)

57-La-149

MAT 5758

(n,He3) Levels
293 Kelvin Cross Sections

57-La-149



13

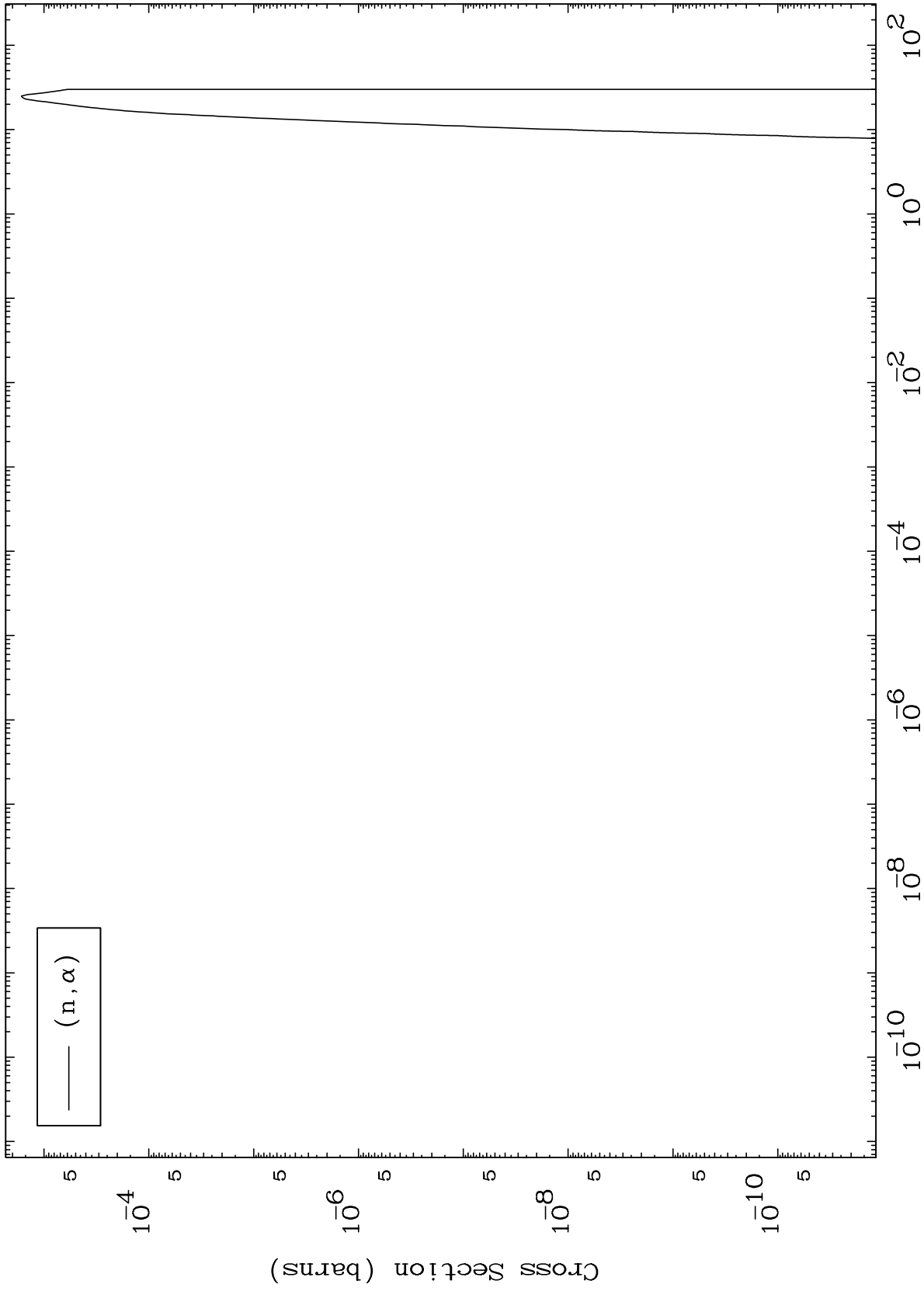
Incident Energy (MeV)

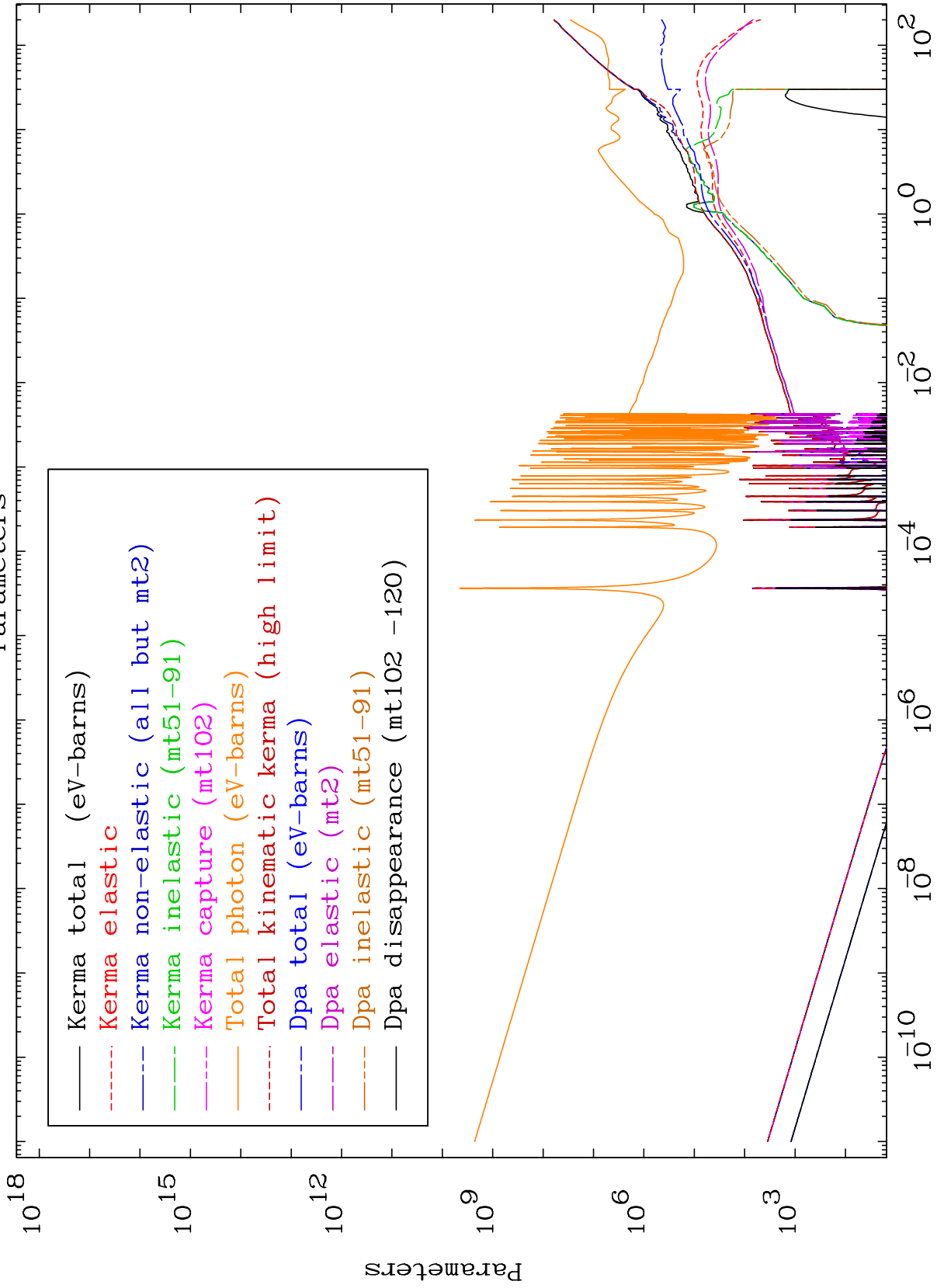
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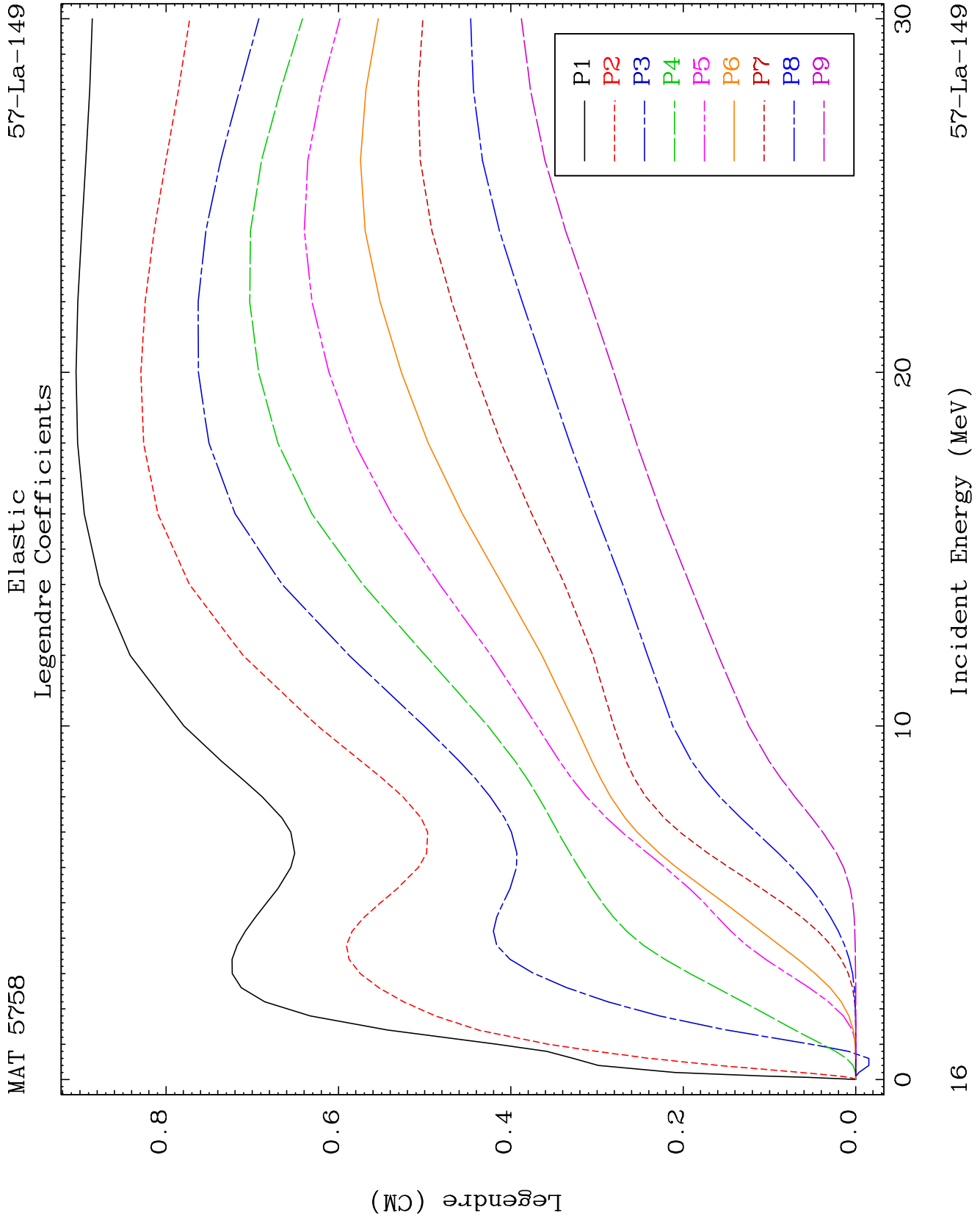
MAT 5758

(n, α) Levels
293 Kelvin Cross Sections

57-La-149



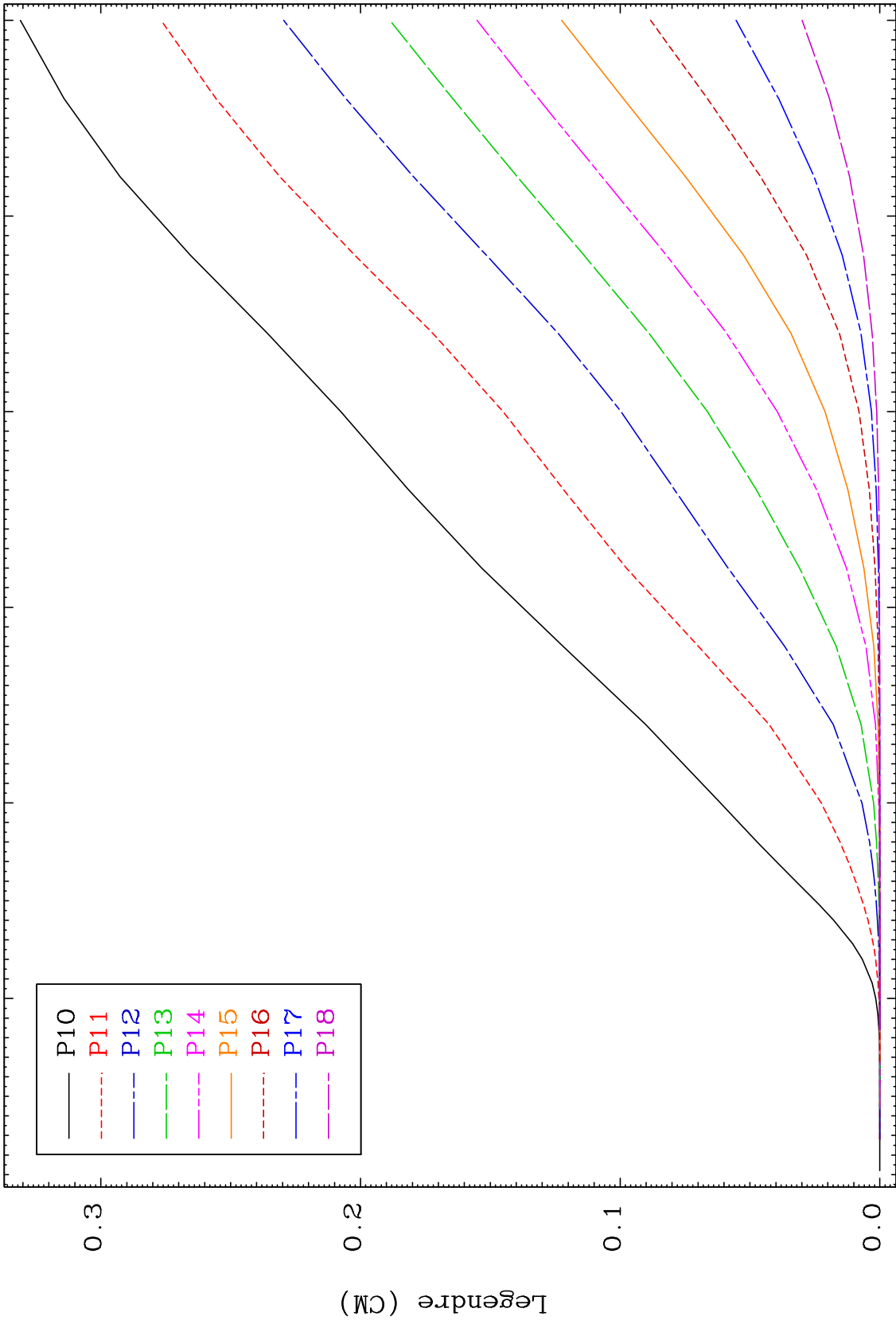




MAT 5758

Elastic Legendre Coefficients

57-La-149



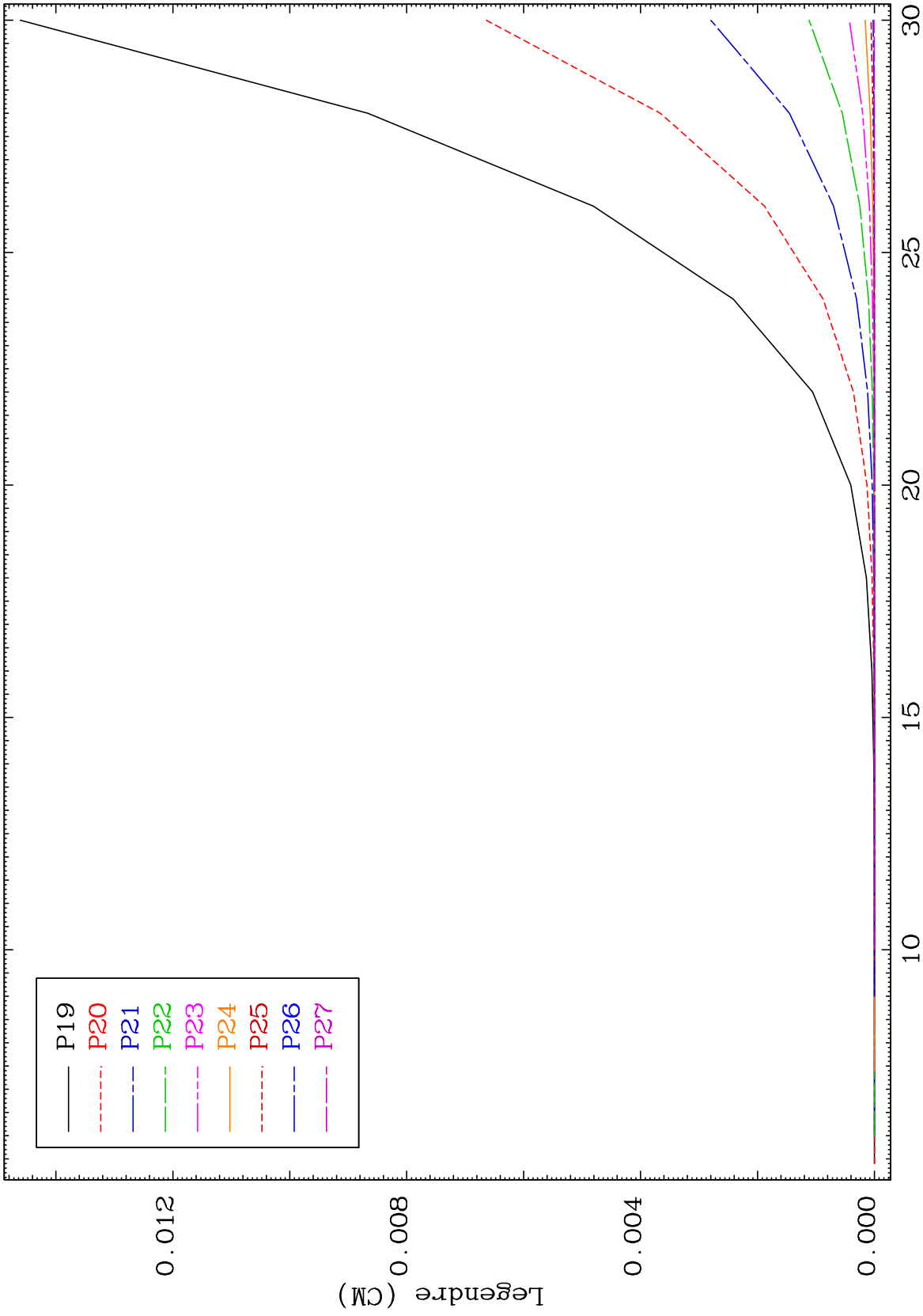
17

57-La-149

MAT 5758

Elastic Legendre Coefficients

57-La-149



18

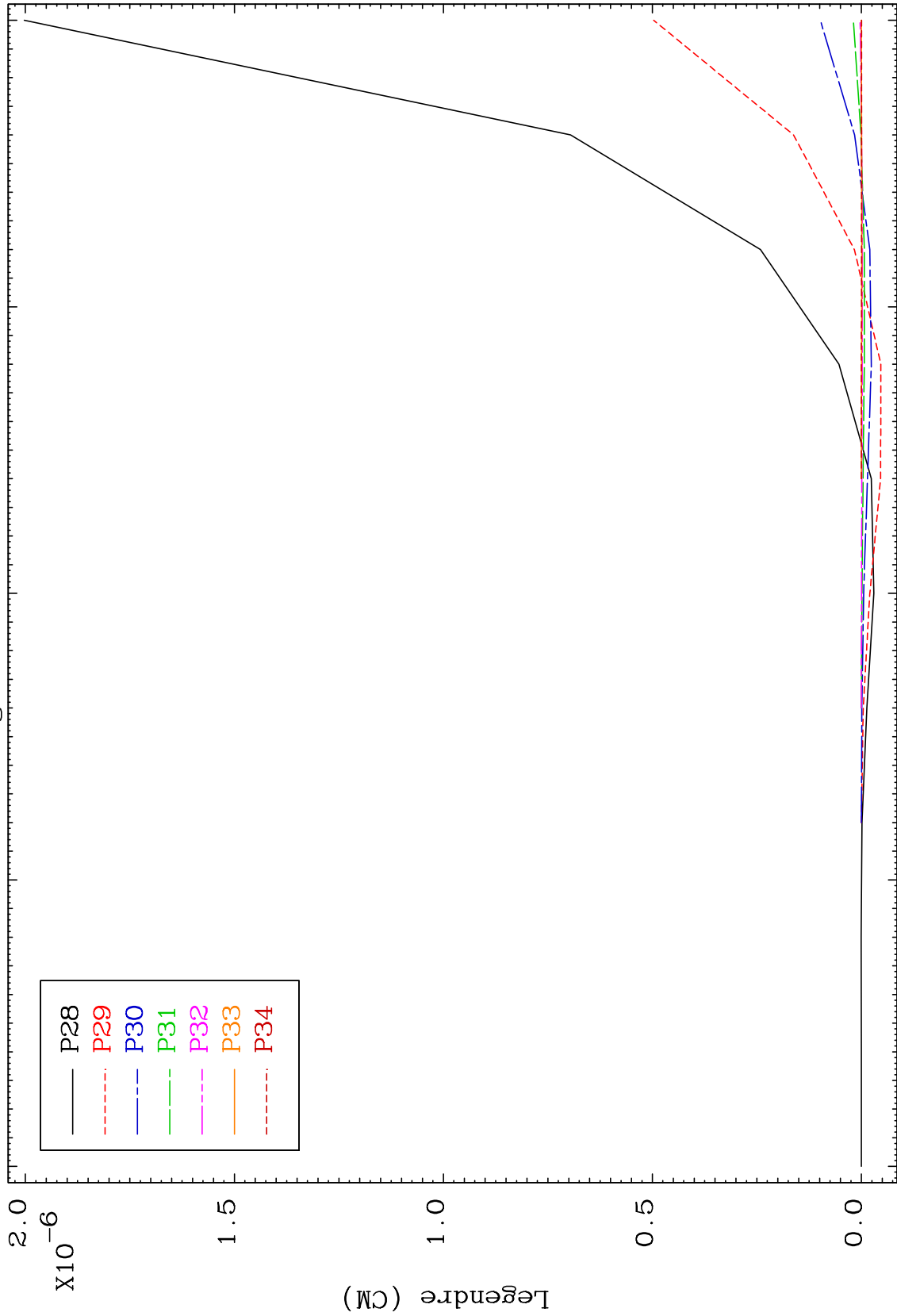
Incident Energy (MeV)

57-La-149

MAT 5758

Elastic Legendre Coefficients

57-La-149



19

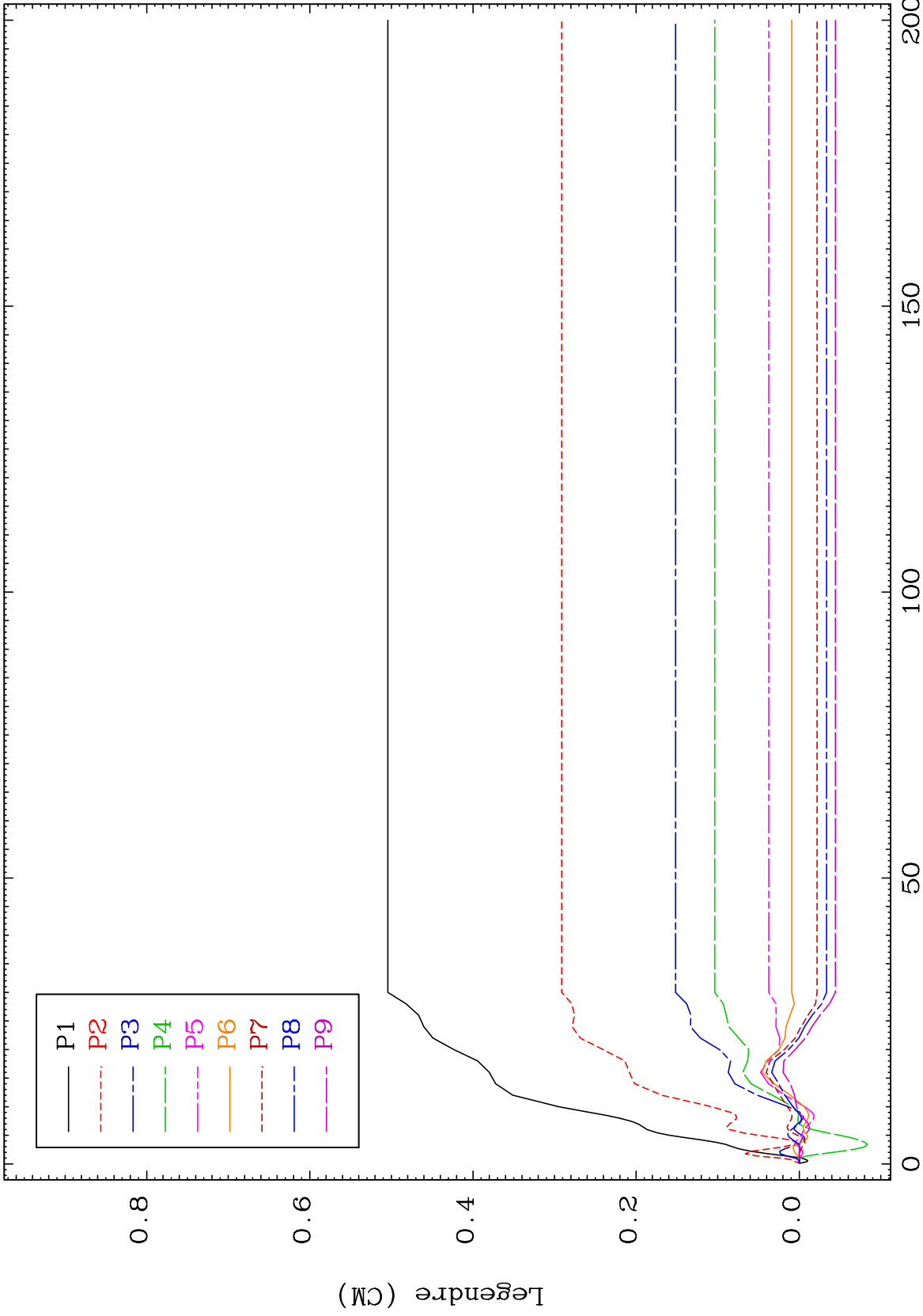
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



57-La-149

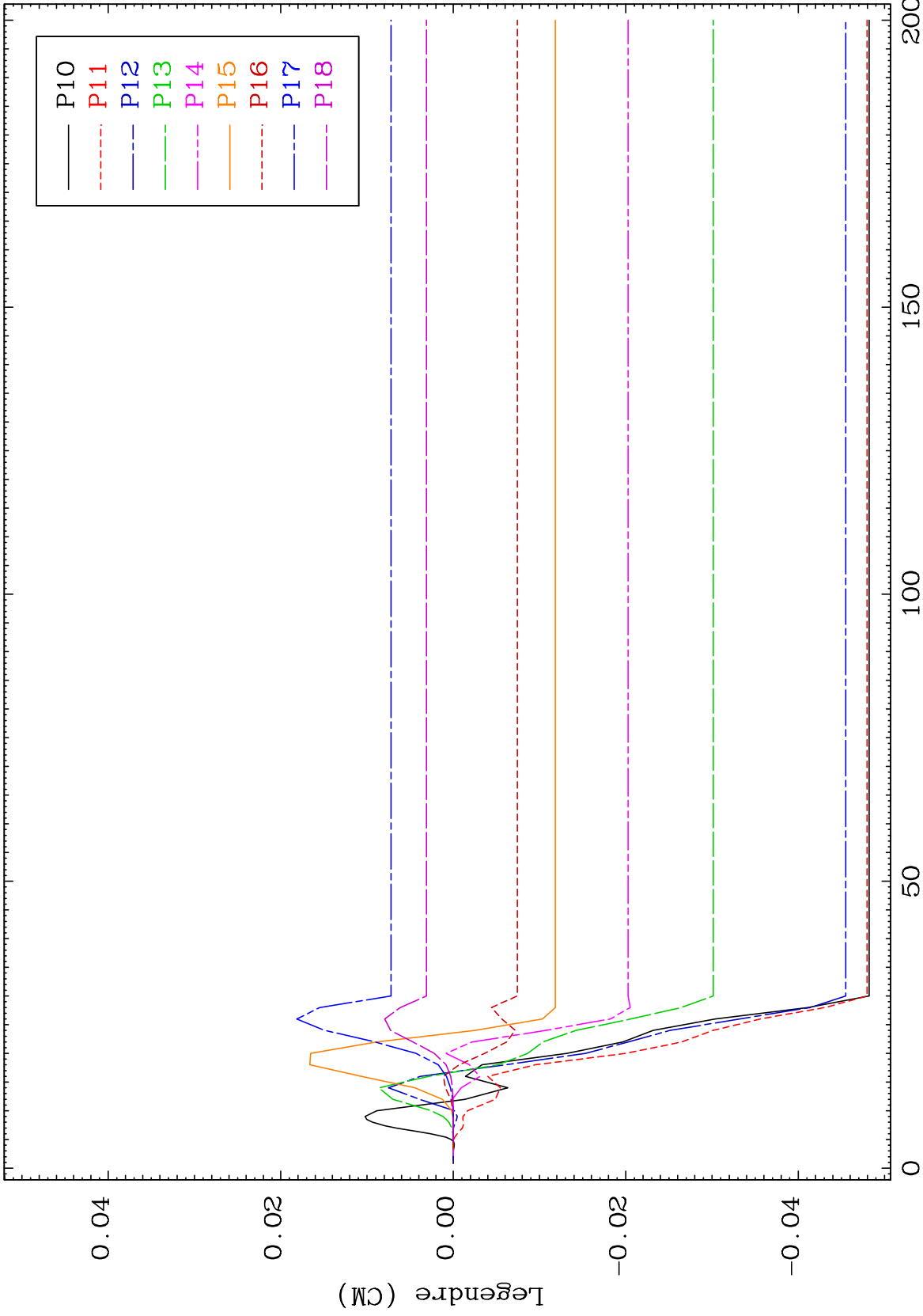
Incident Energy (MeV)

20

MAT 5758

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

57-La-149



21

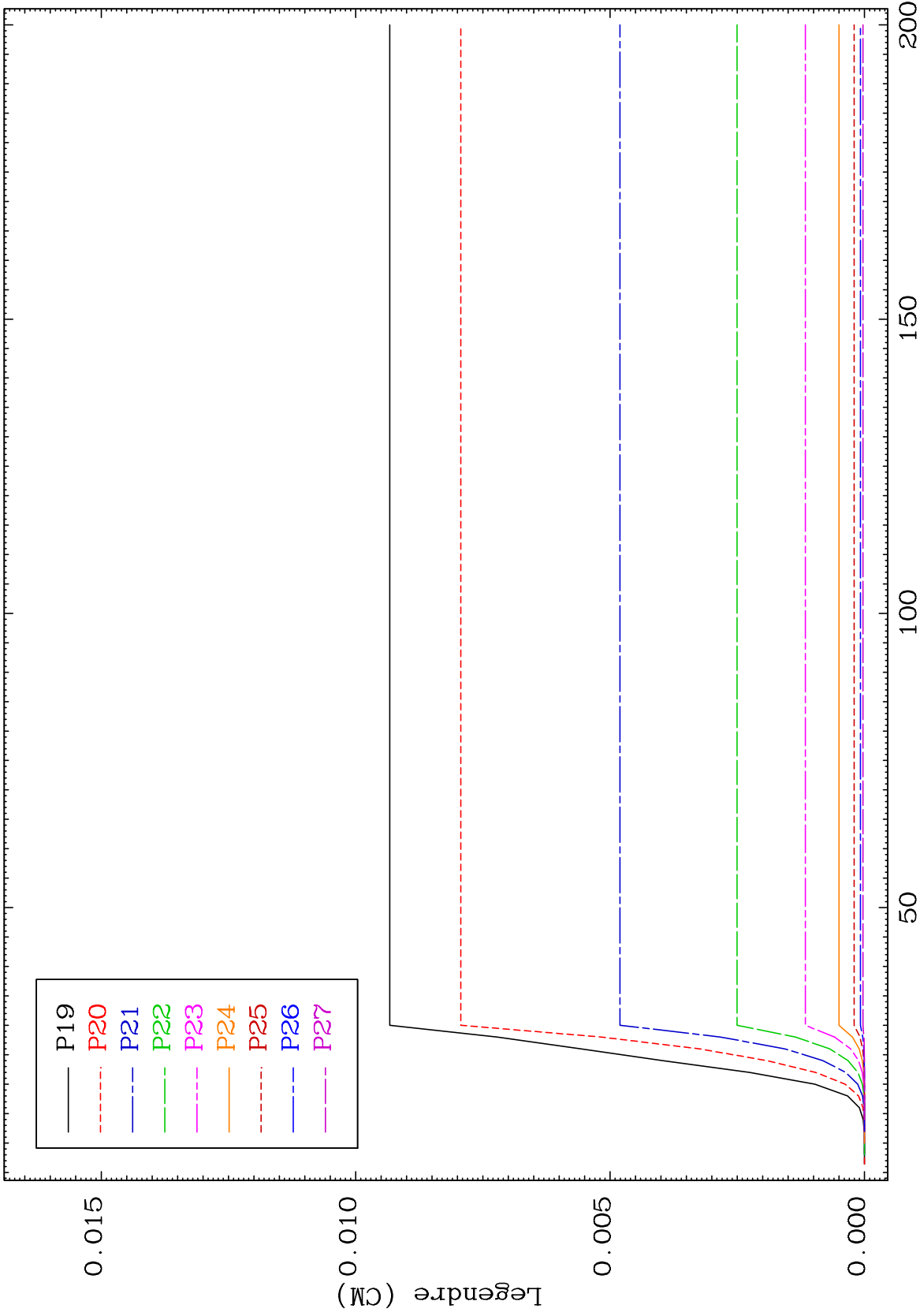
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



22

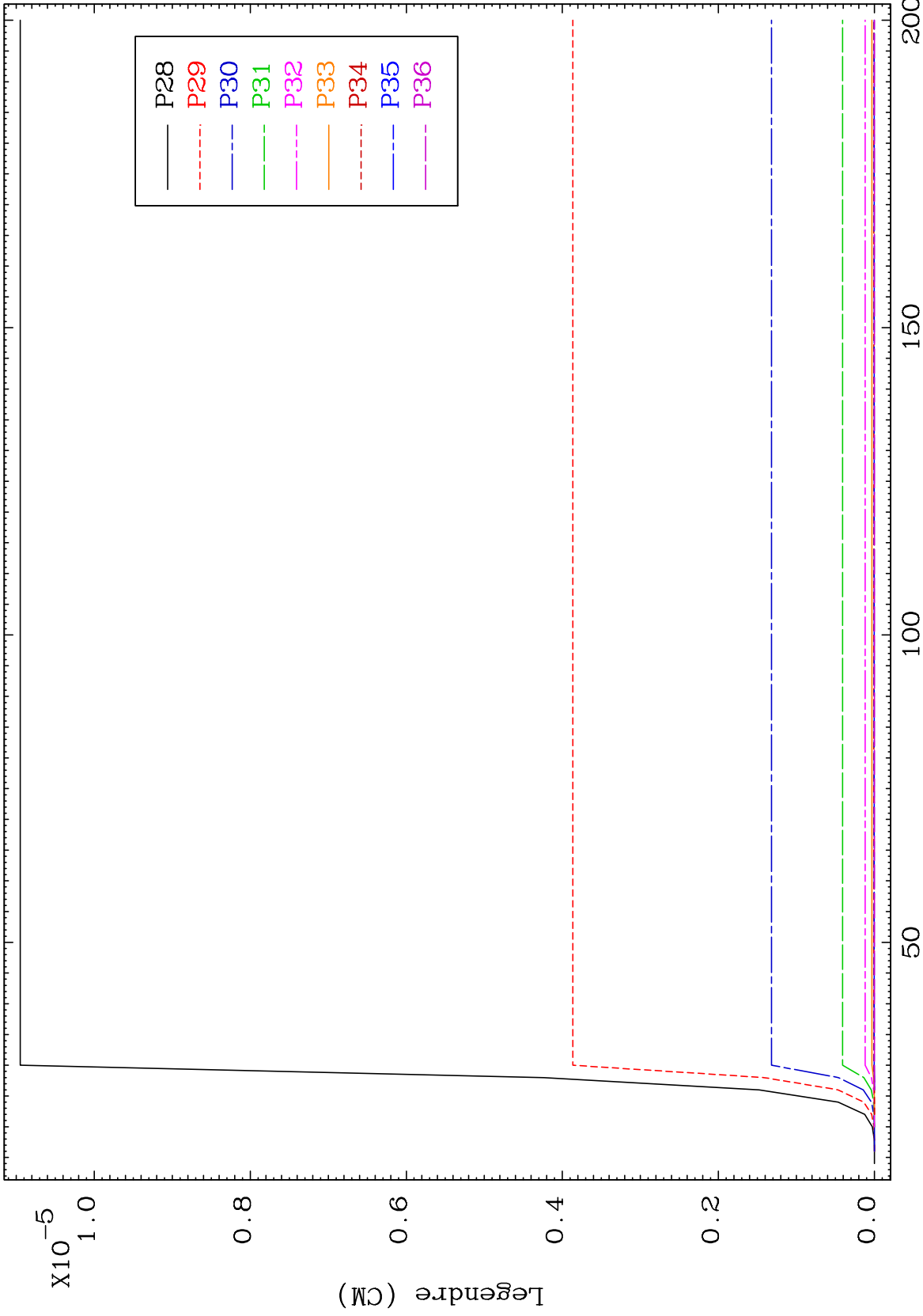
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



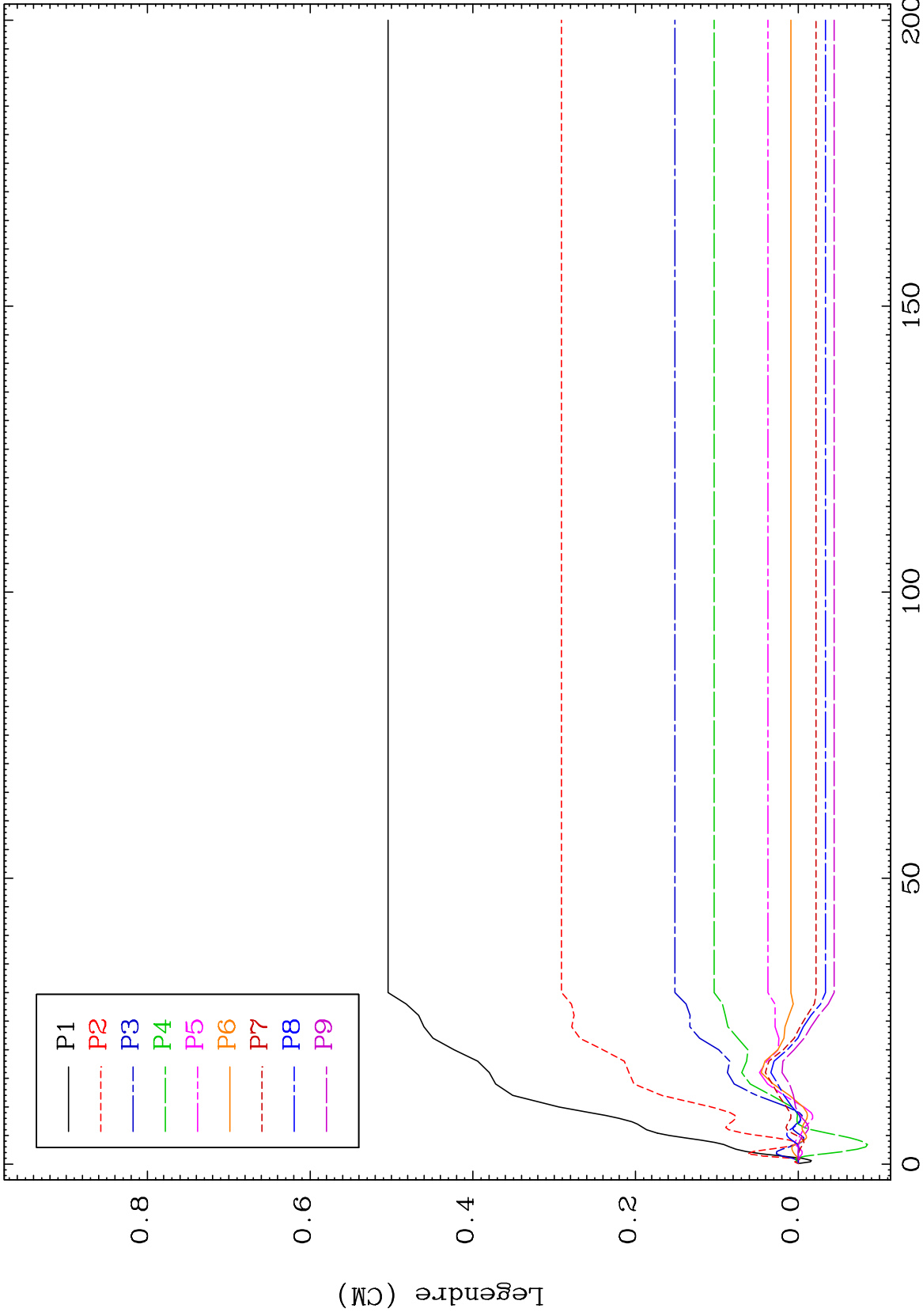
23

57-La-149

MAT 5758

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

57-La-149



24

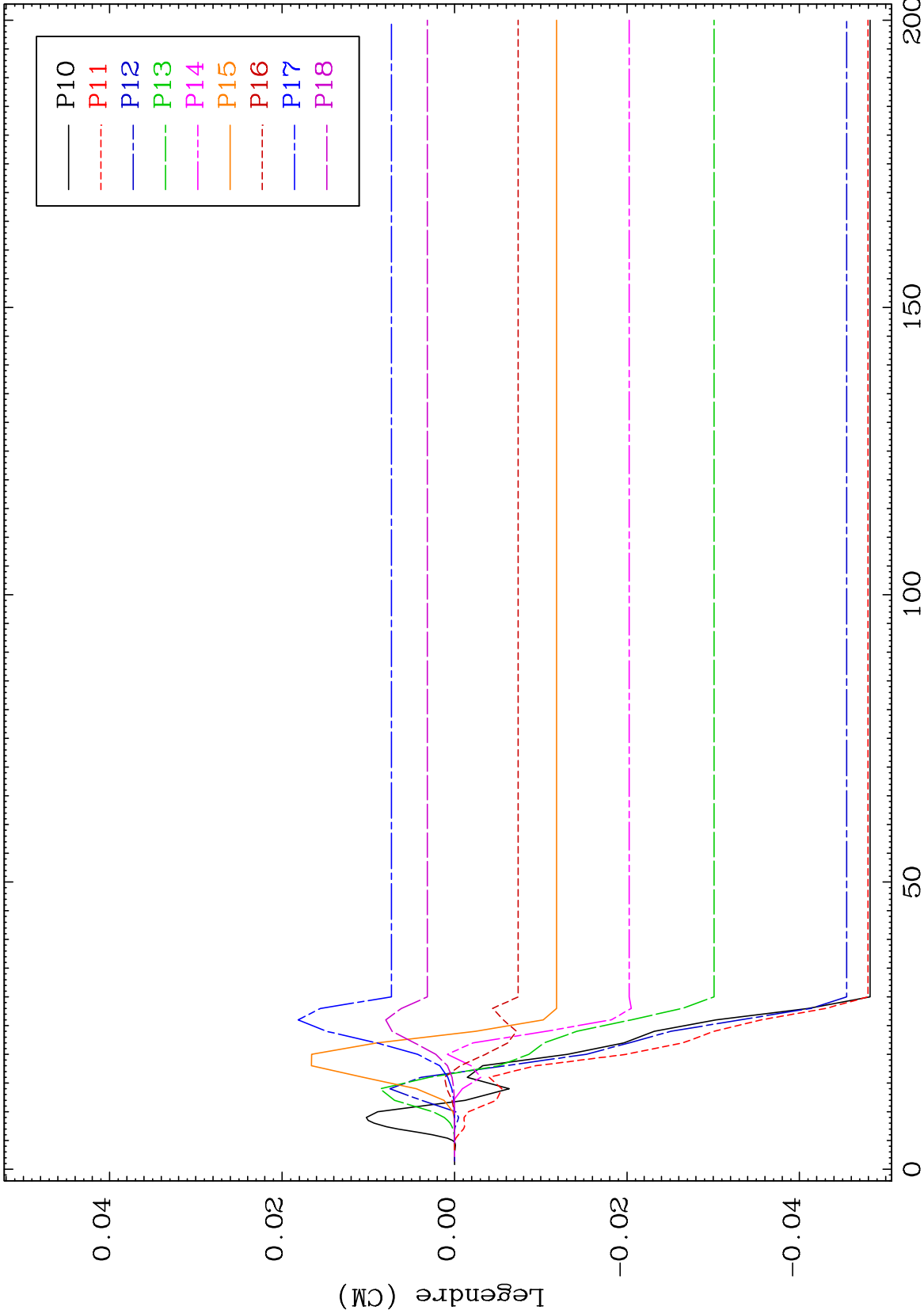
Incident Energy (MeV)

57-La-149

MAT 5758

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

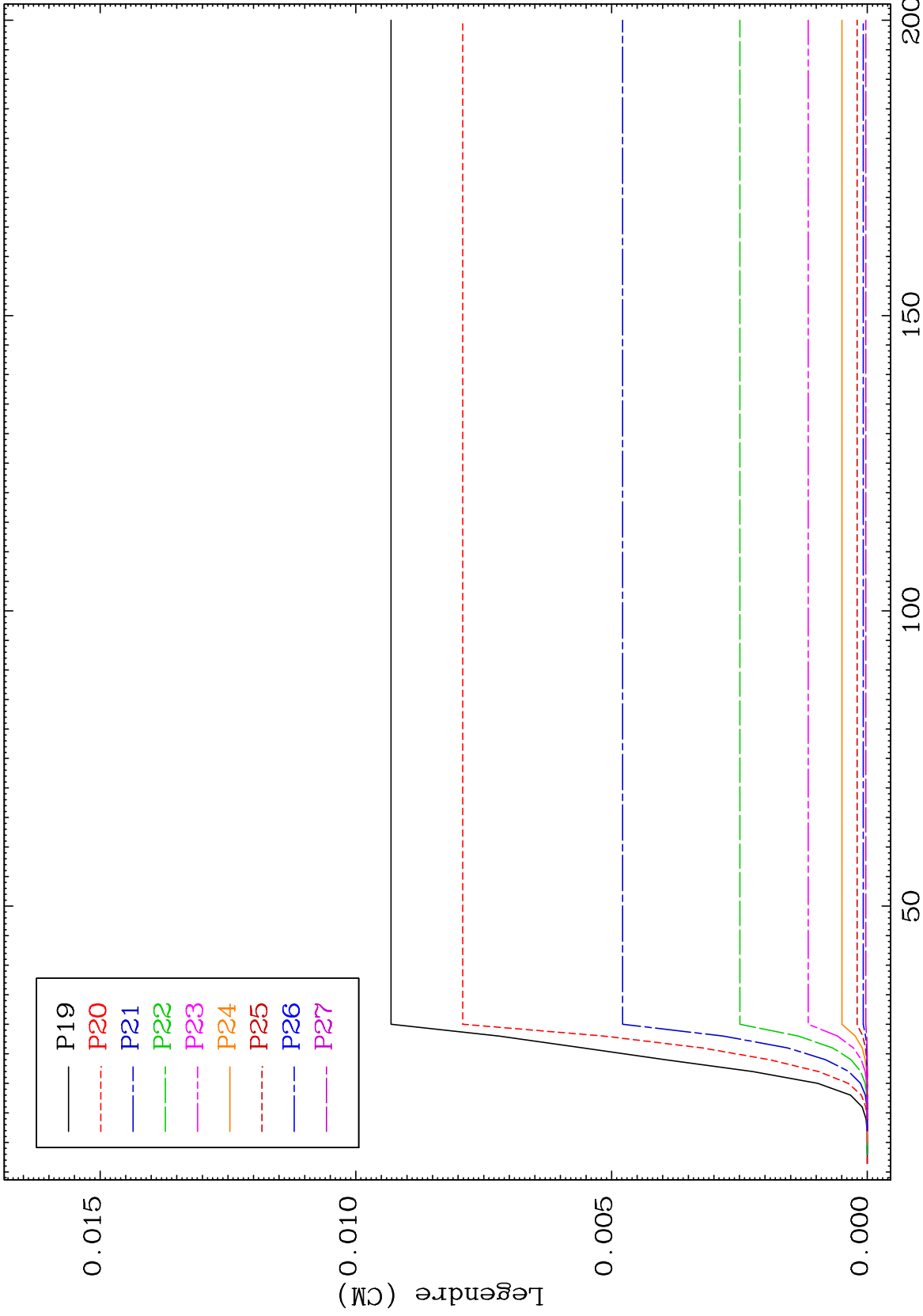
57-La-149



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Incident Energy (MeV)

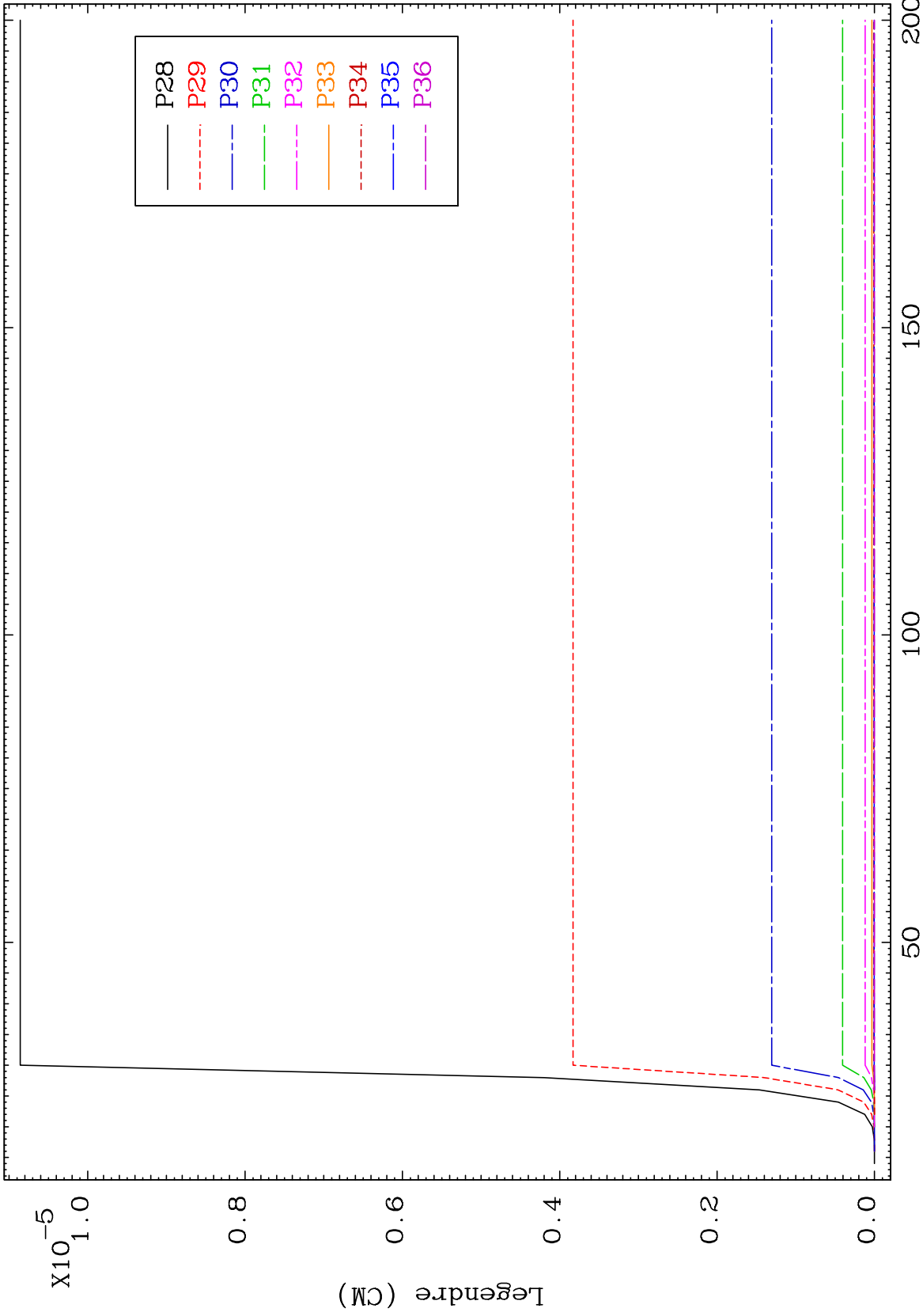
57-La-149



MAT 5758

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

57-La-149



27

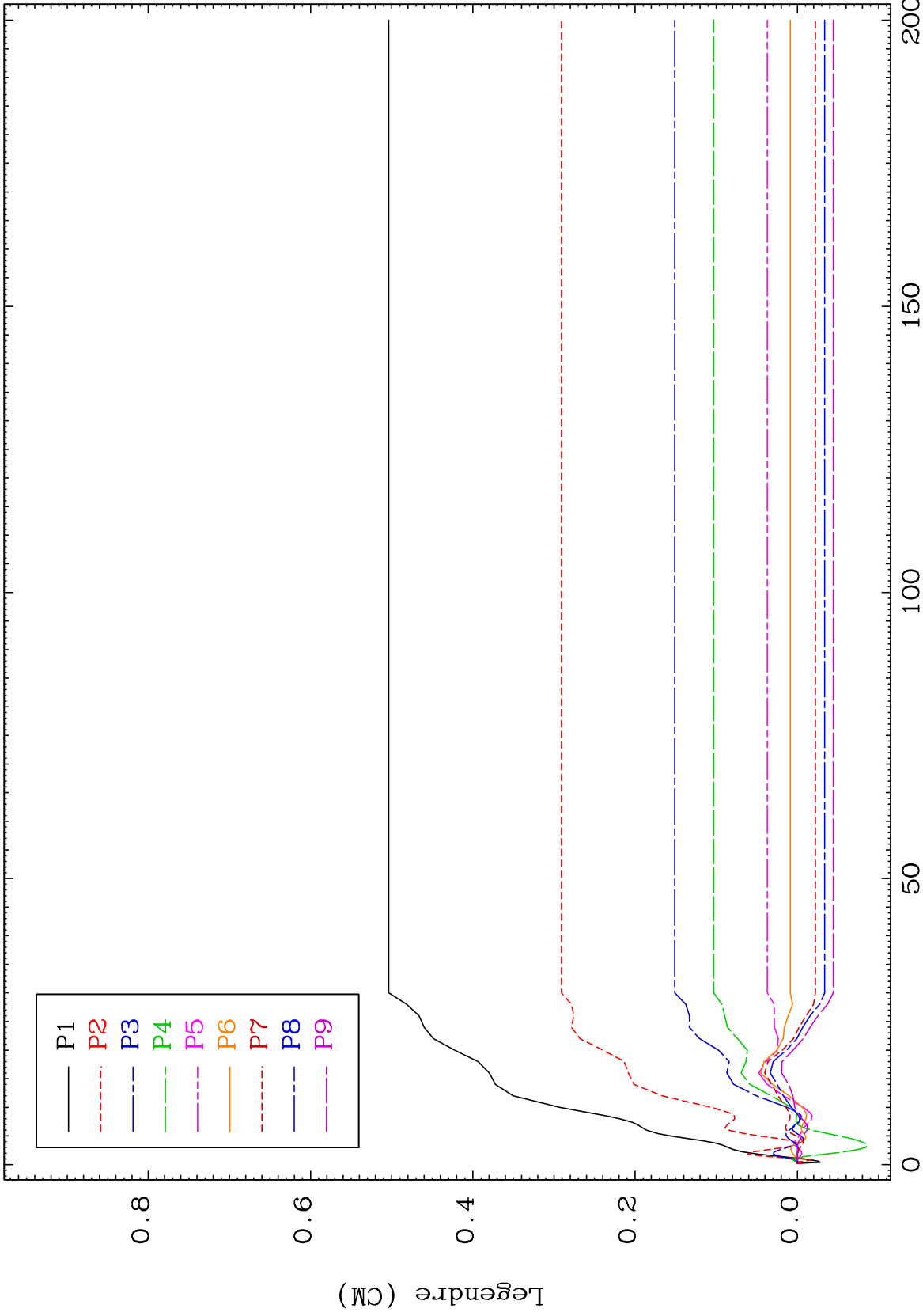
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



28

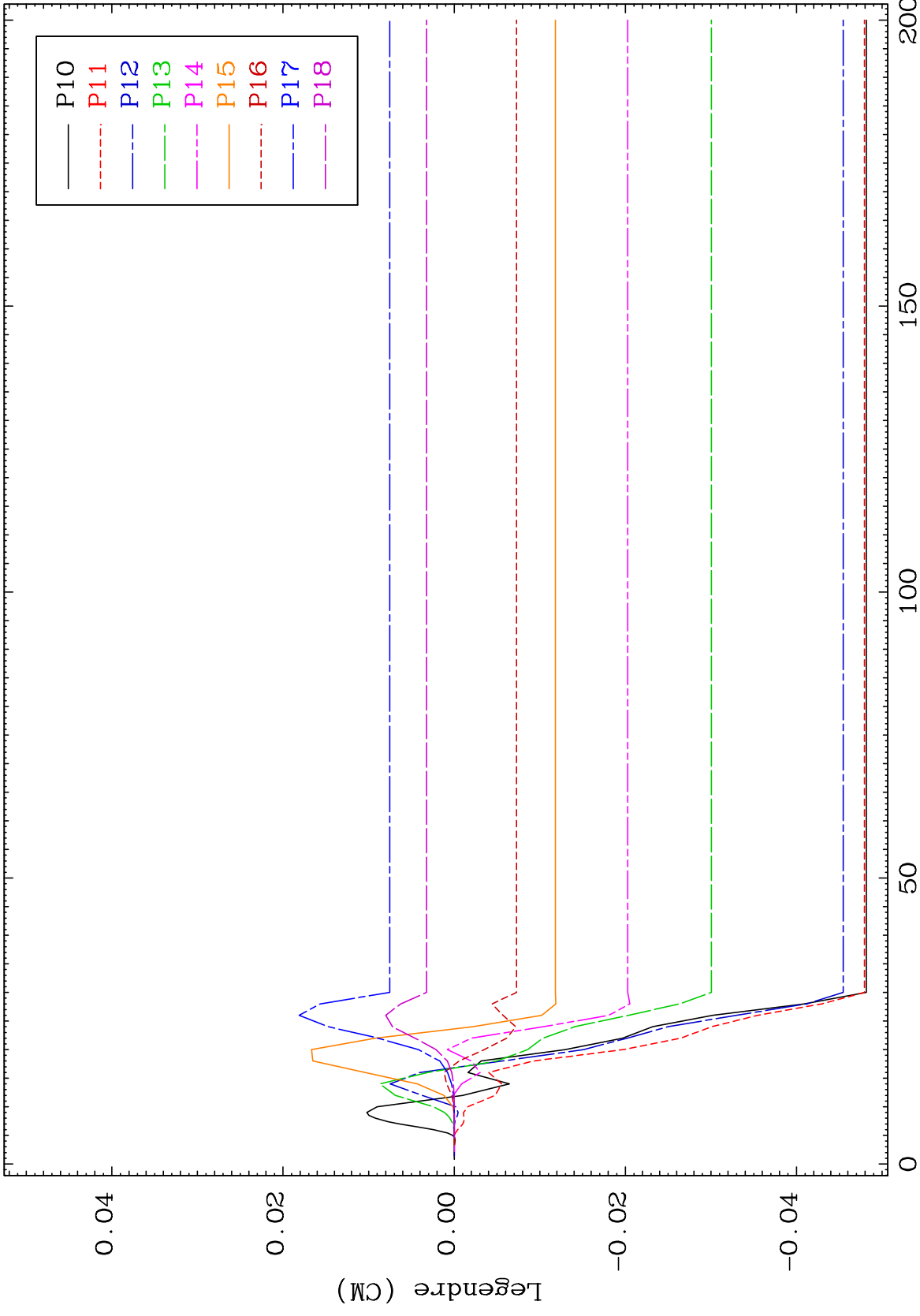
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



29

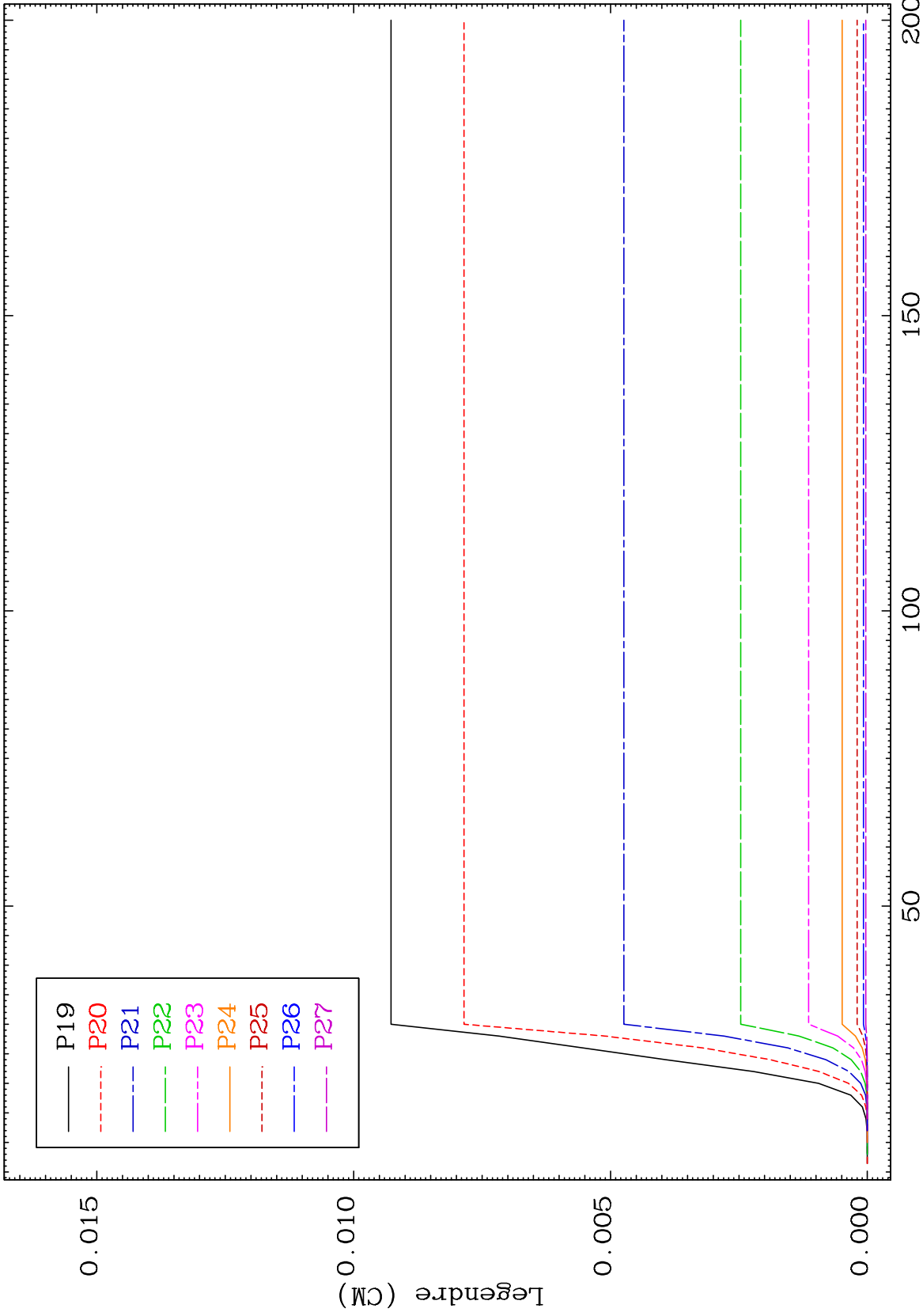
Incident Energy (MeV)

57-La-149

MAT 5758

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

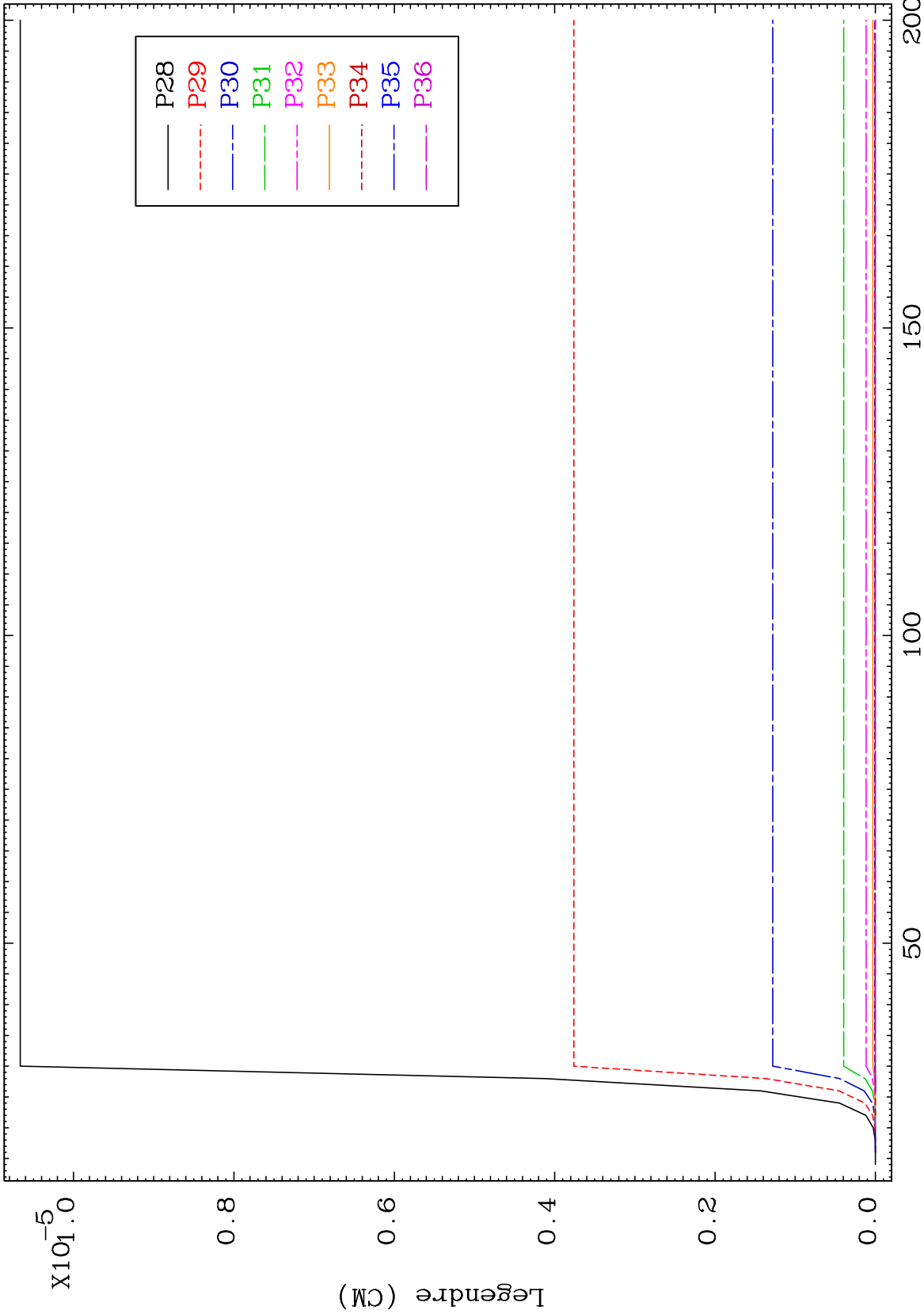
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30

Incident Energy (MeV)

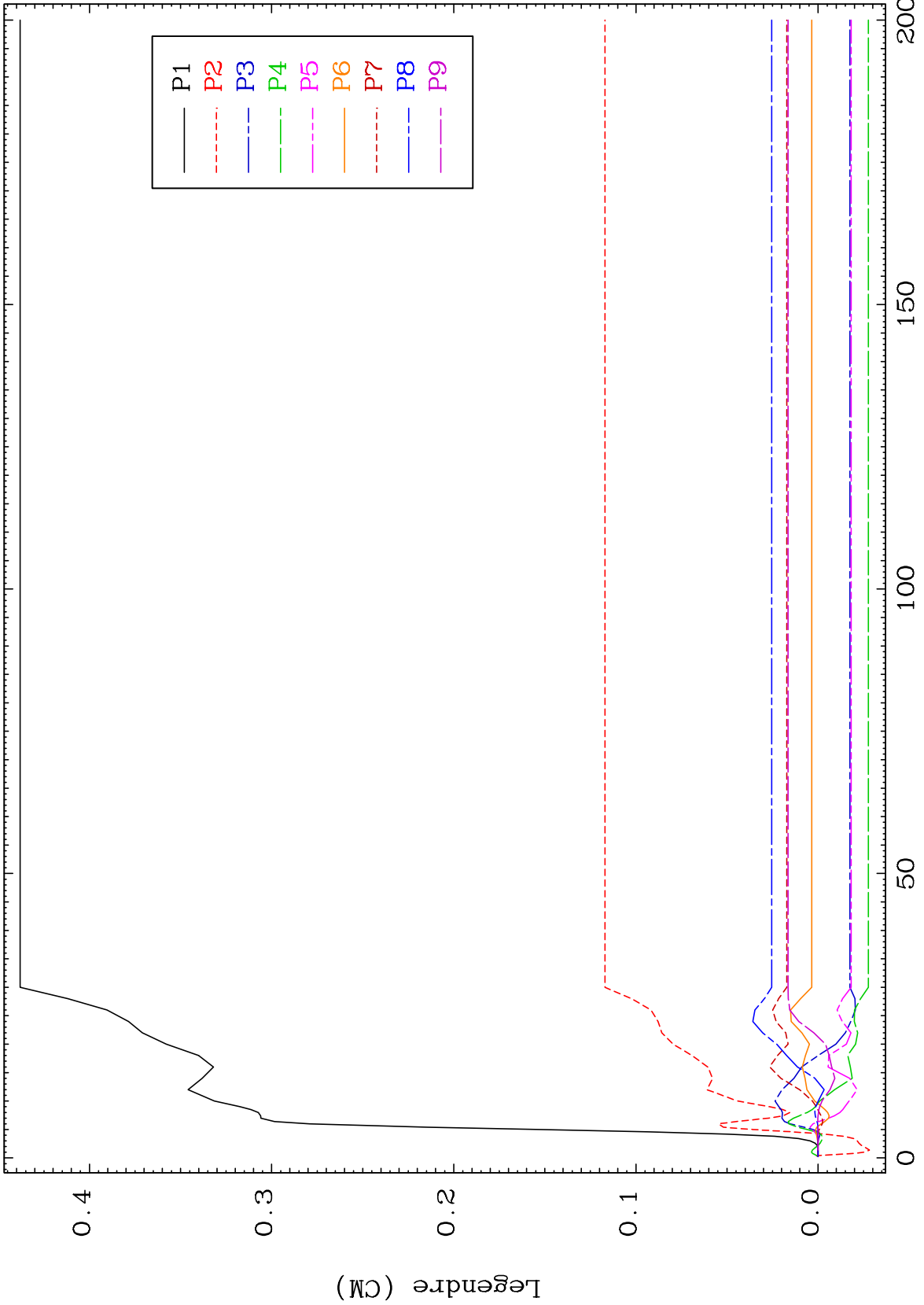
57-La-149



MAT 5758

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

57-La-149



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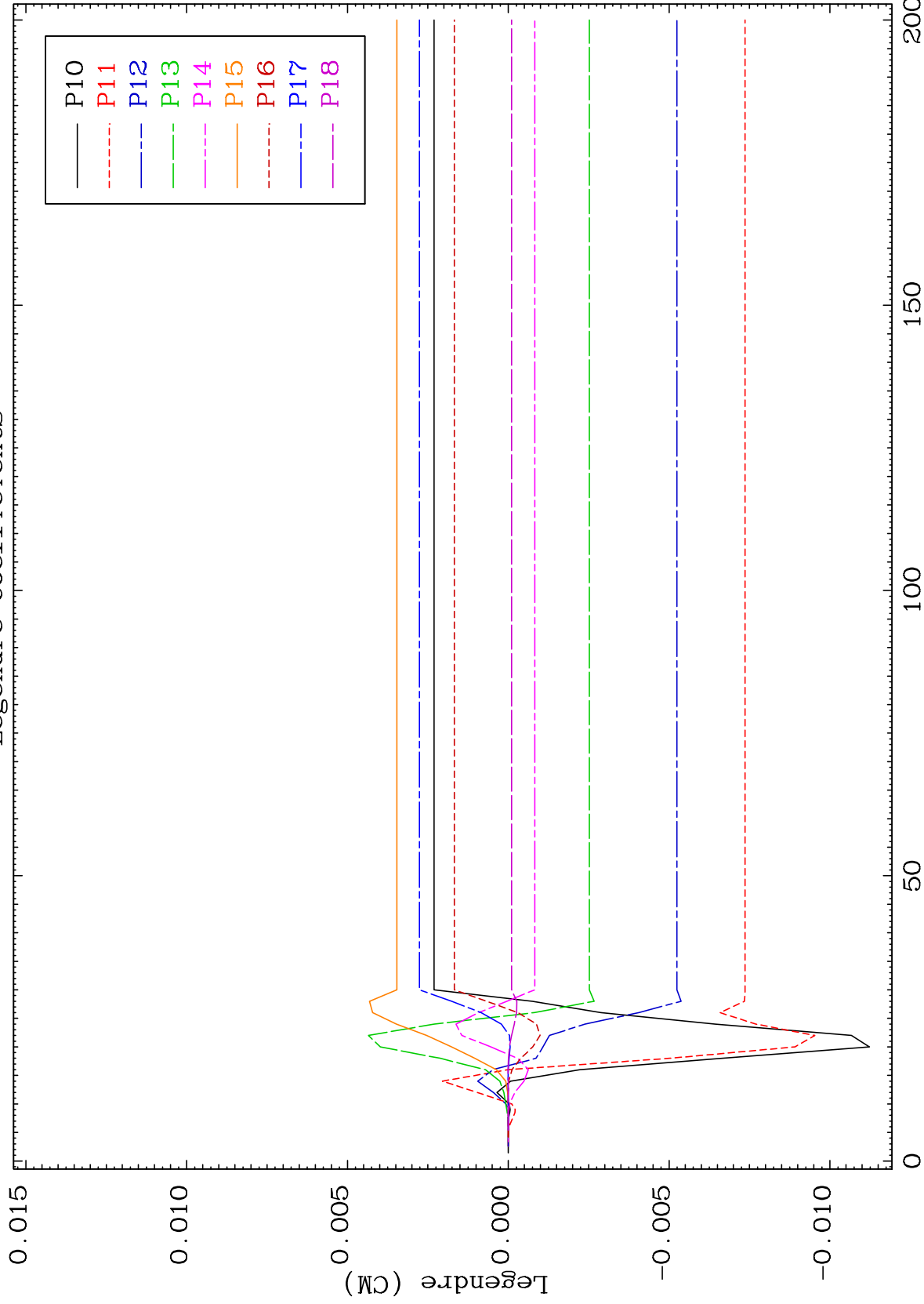
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



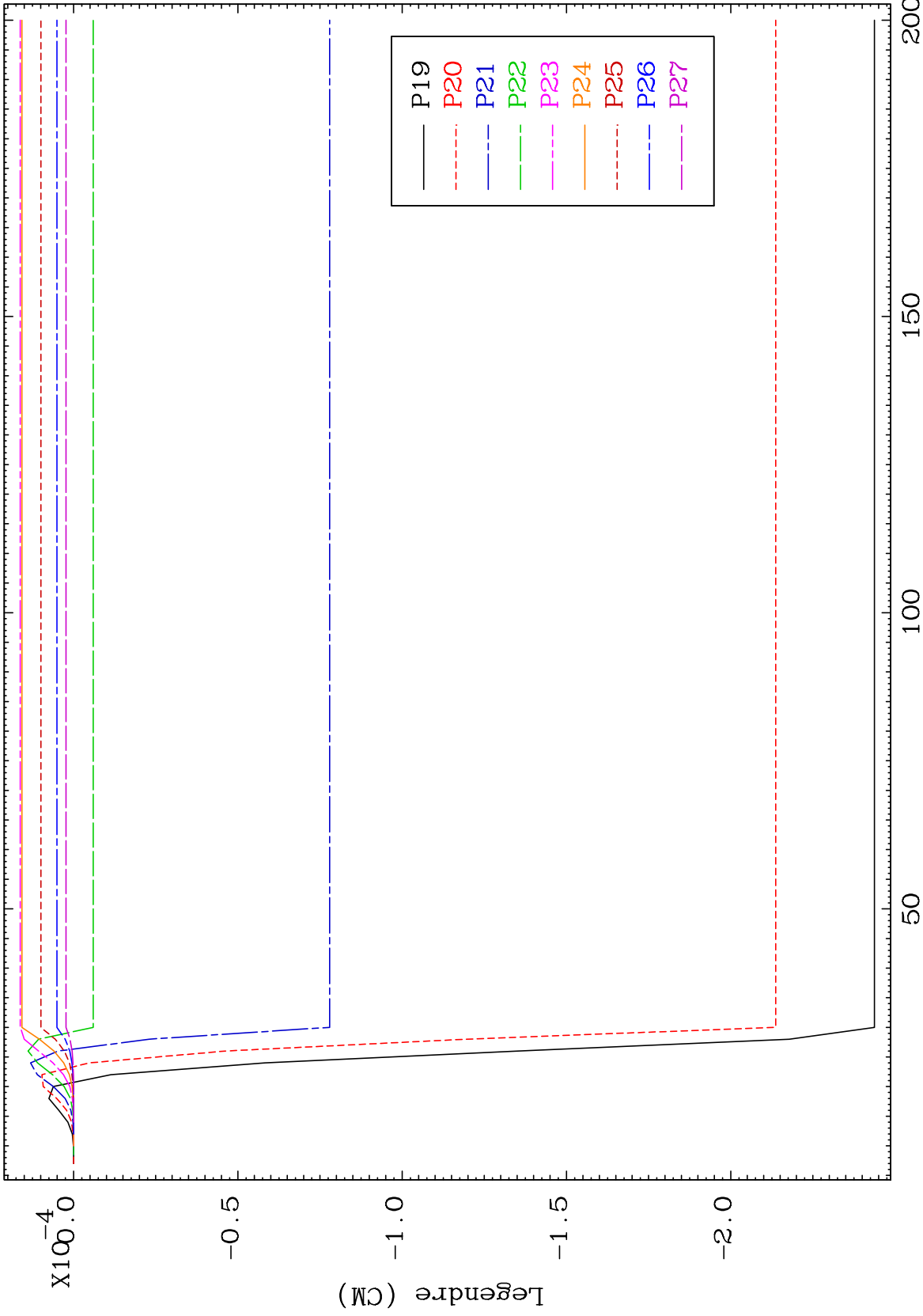
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57-La-149

MAT 5758

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

57-La-149



57-La-149

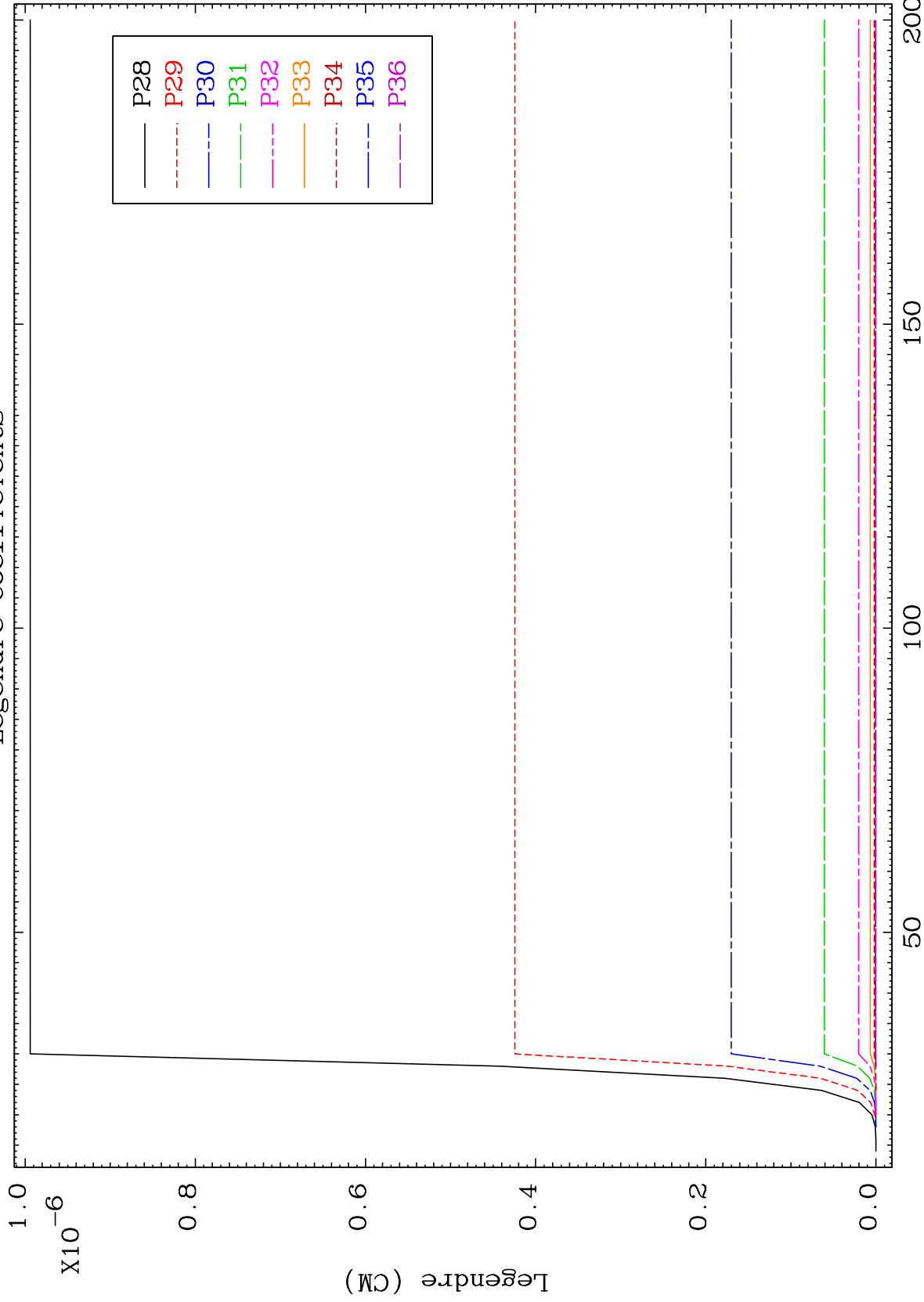
Incident Energy (MeV)

34

MAT 5758

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

57-La-149



35

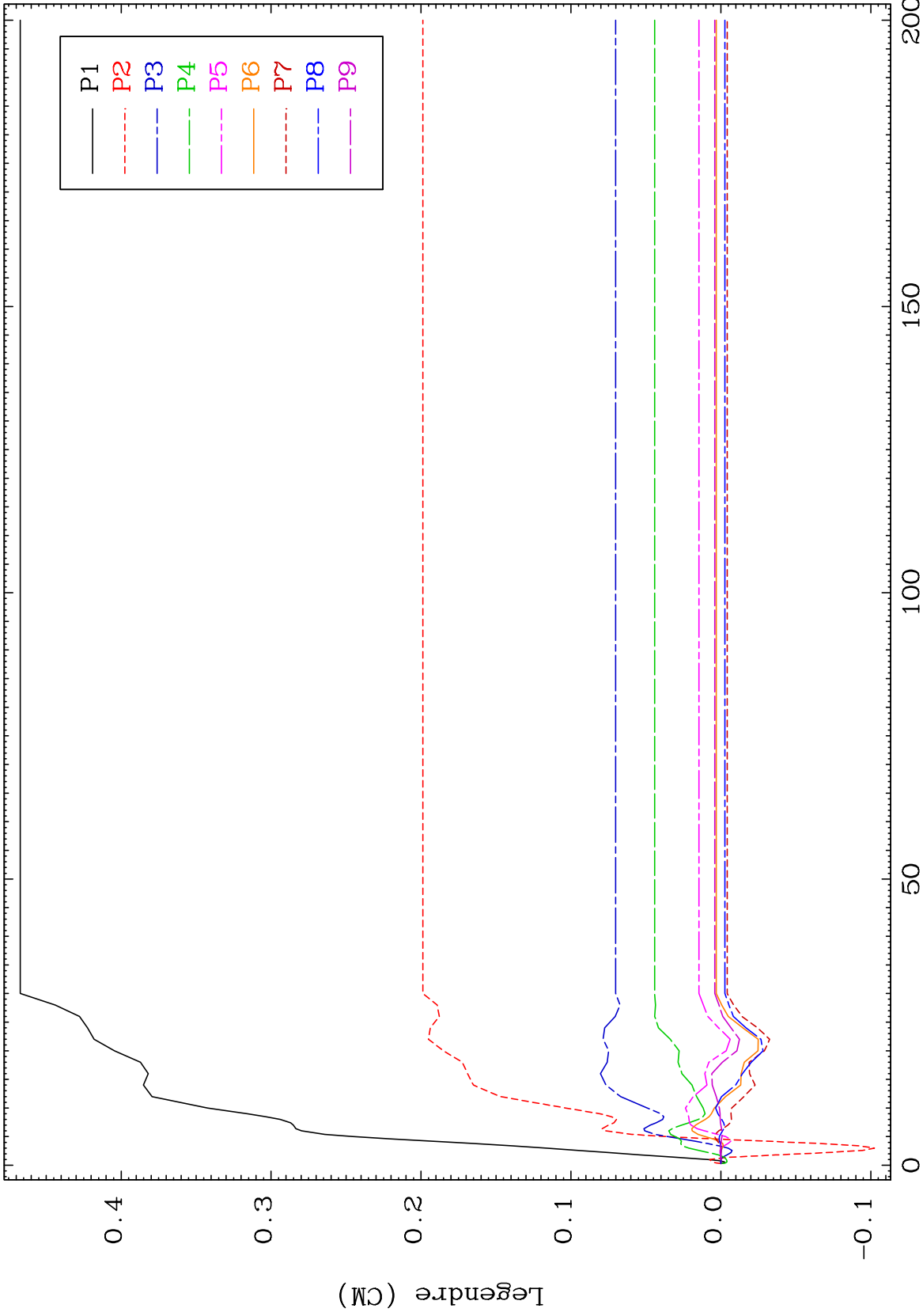
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



36

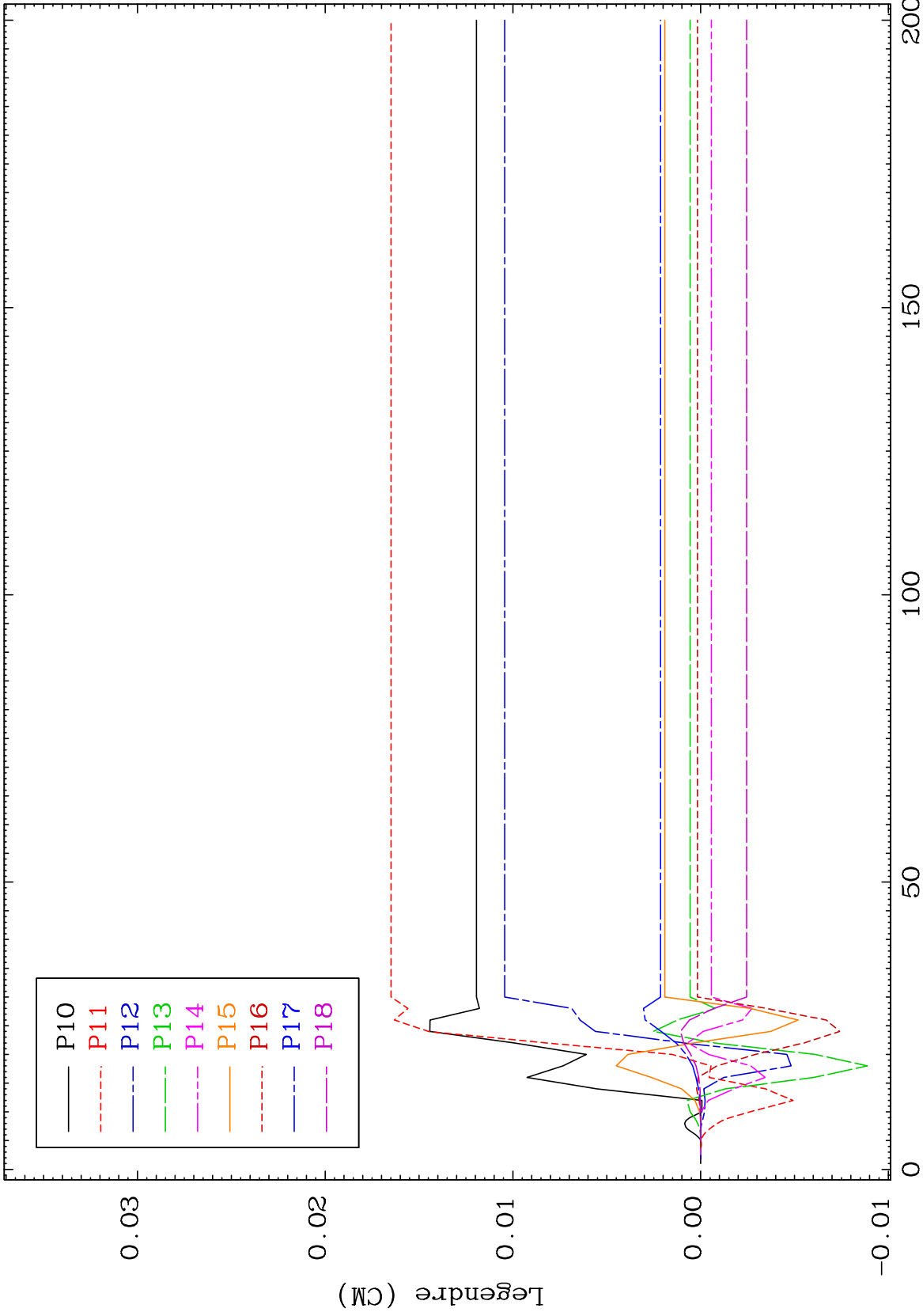
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



37

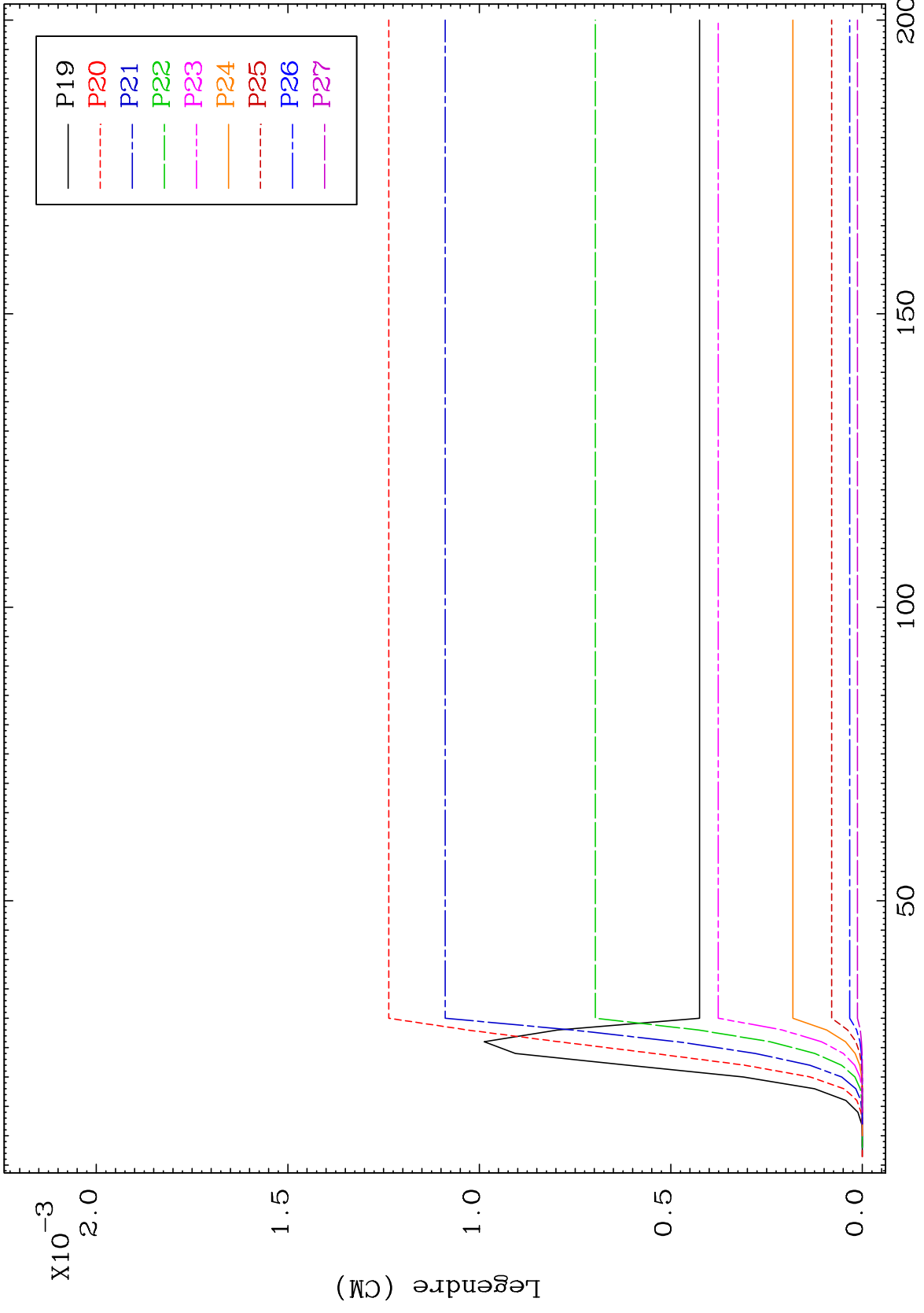
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



38

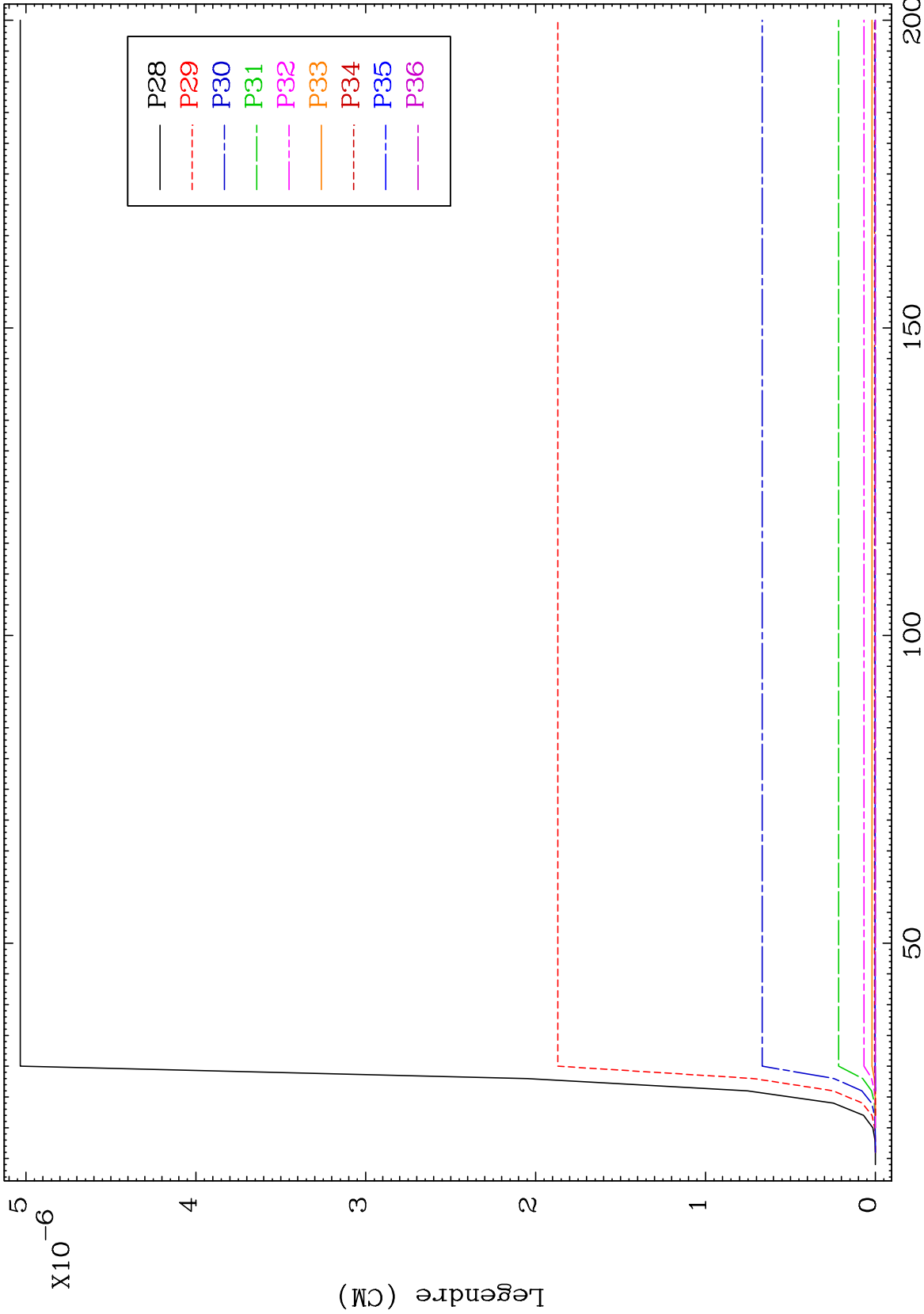
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



39

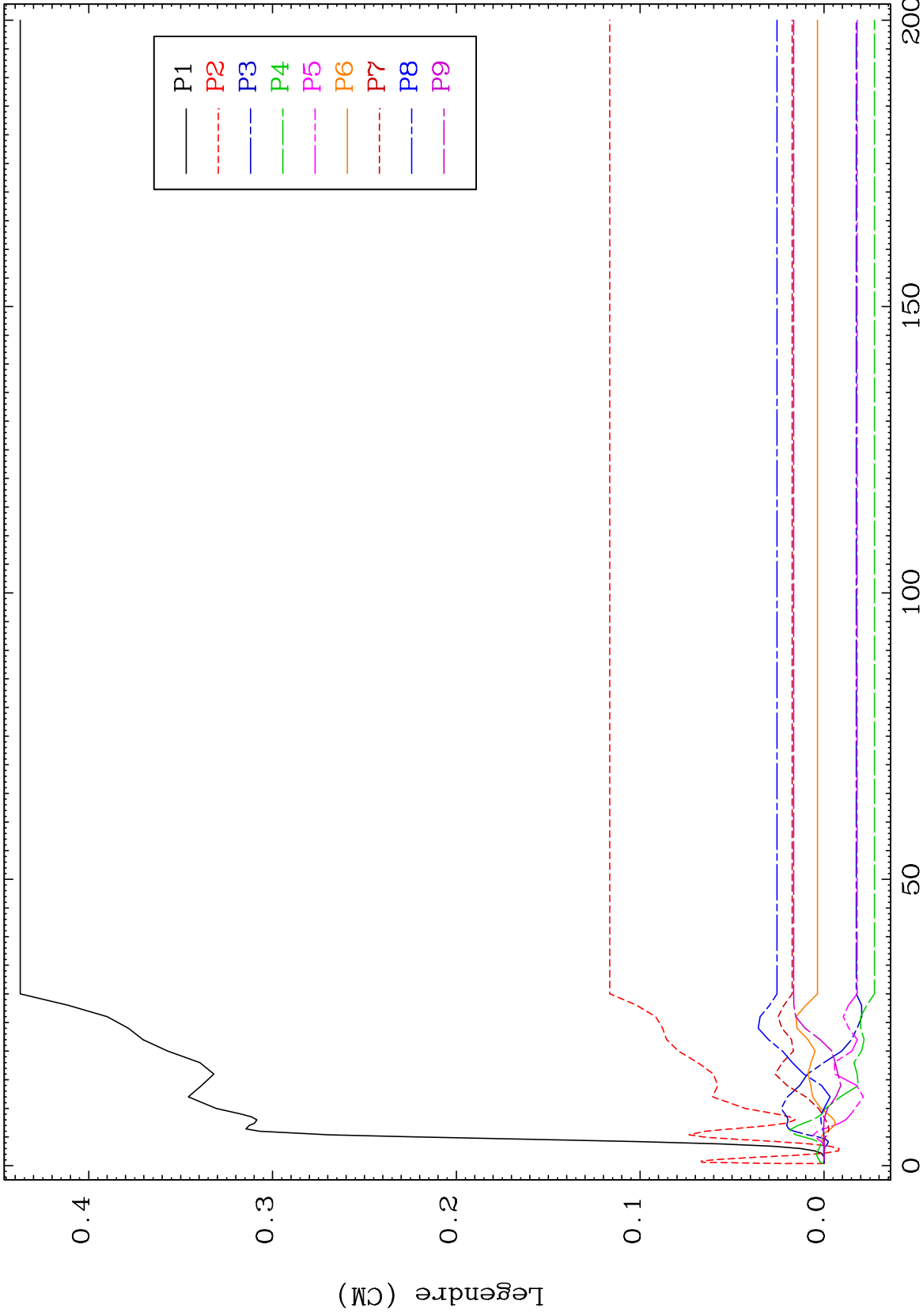
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



57-La-149

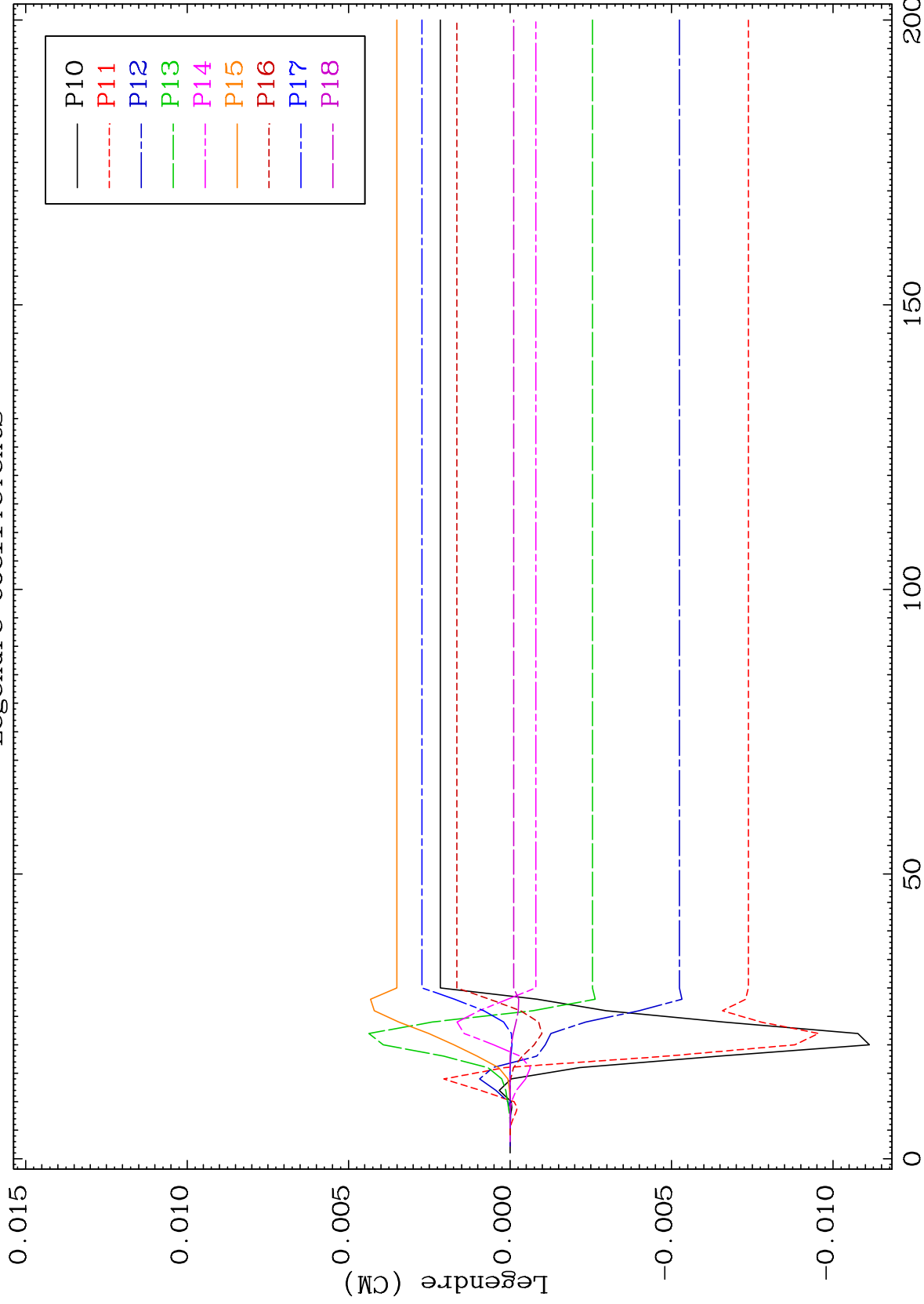
Incident Energy (MeV)

40

MAT 5758

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

57-La-149



41

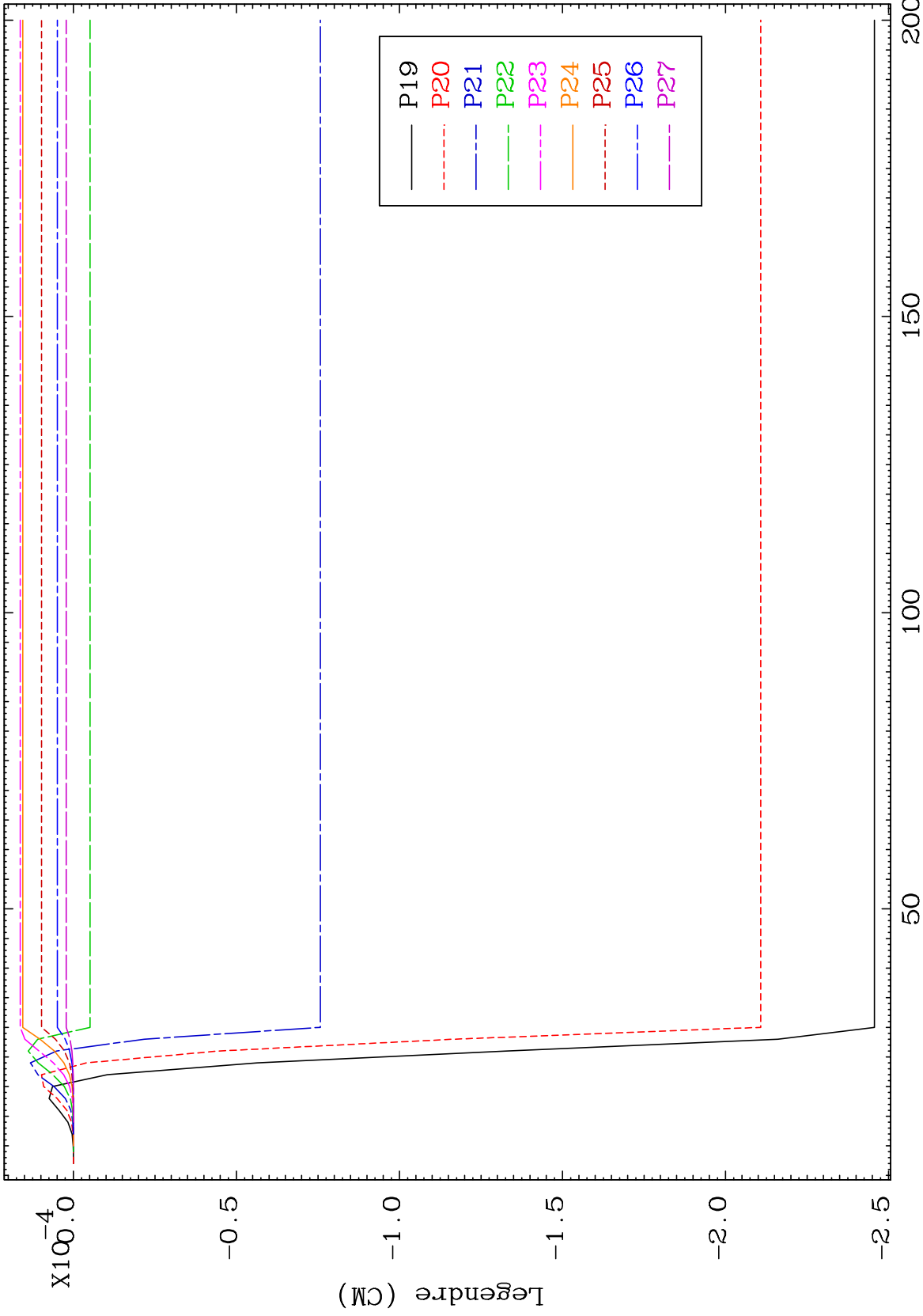
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



57-La-149

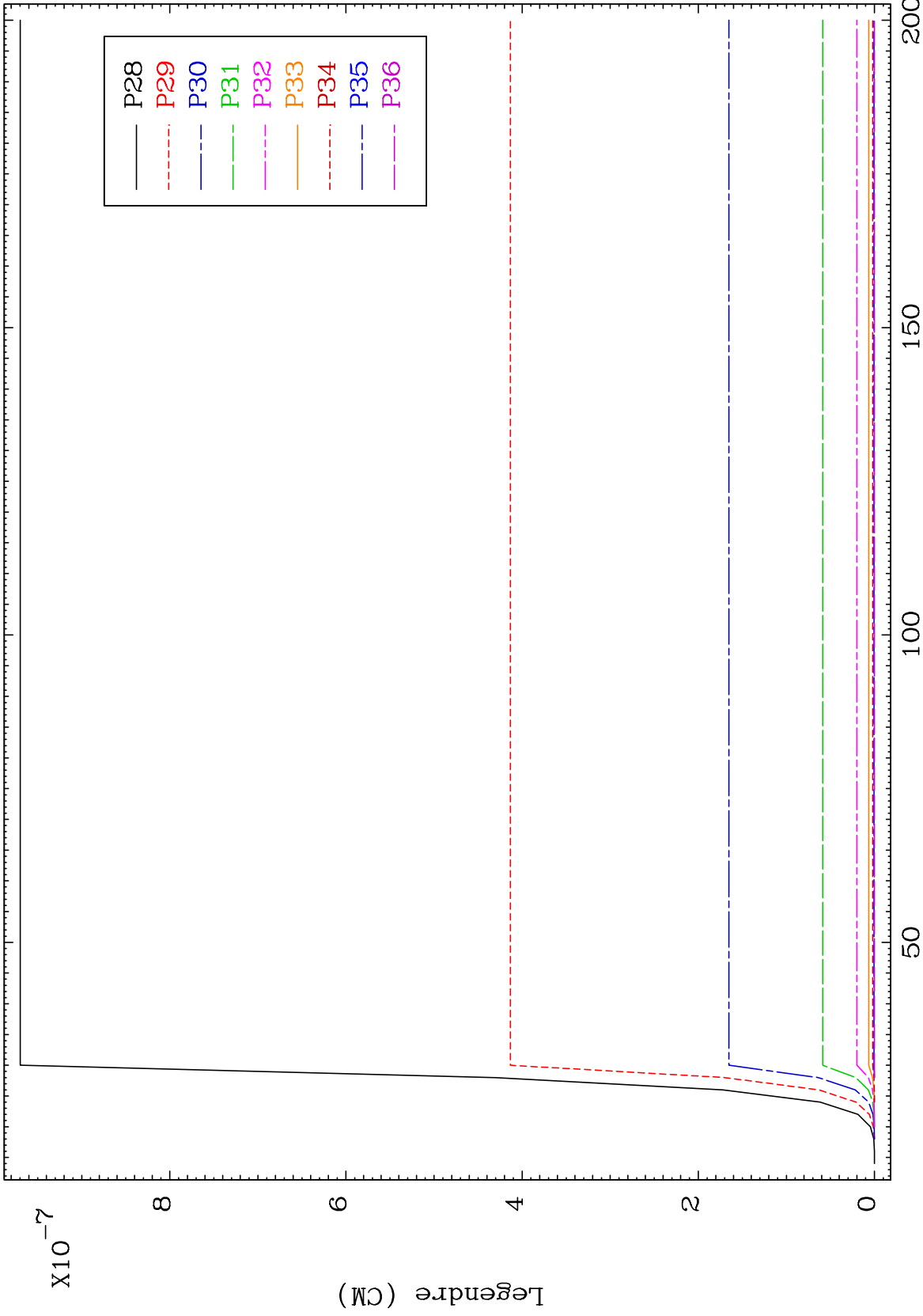
Incident Energy (MeV)

42

MAT 5758

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

57-La-149



43

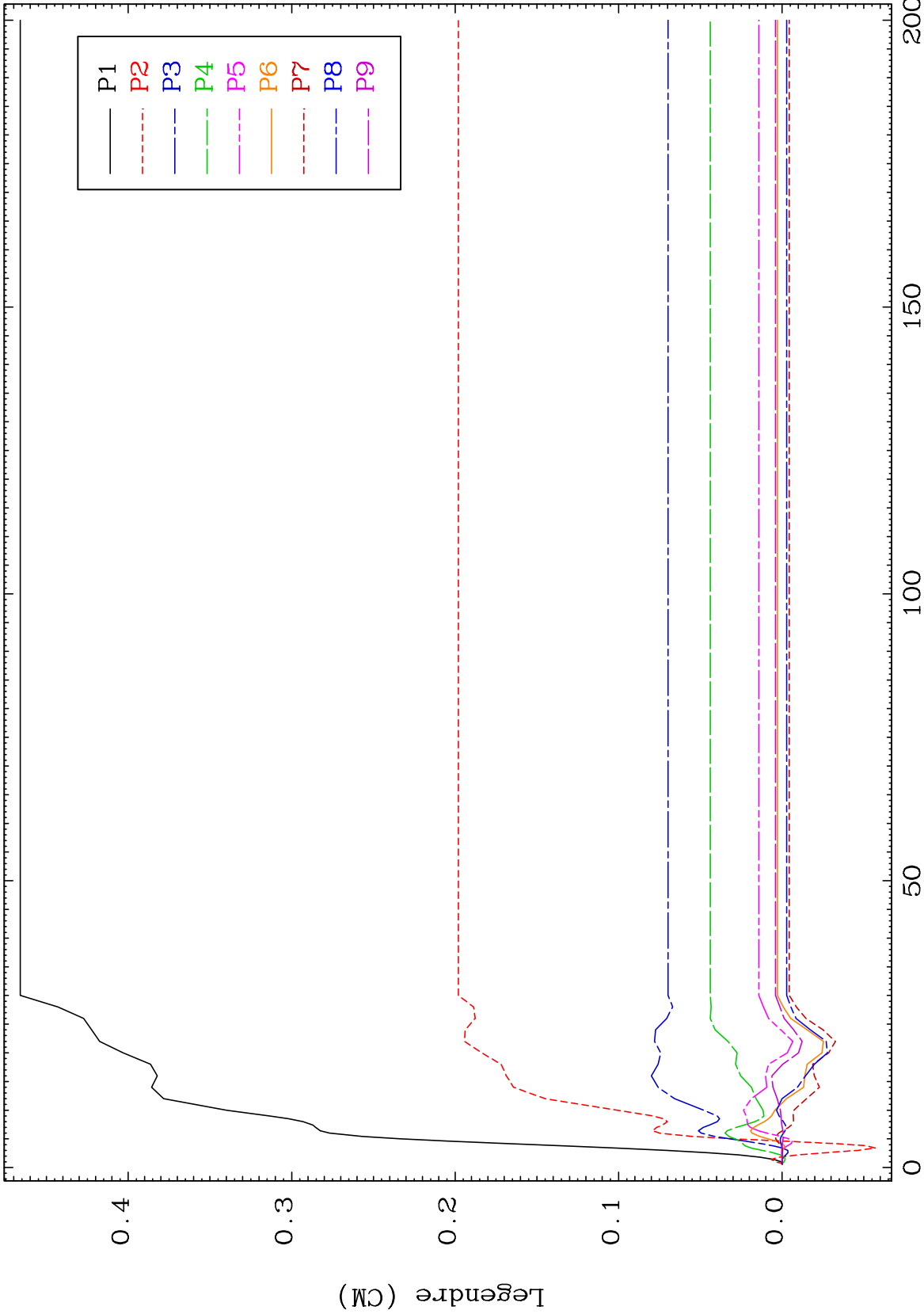
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



44

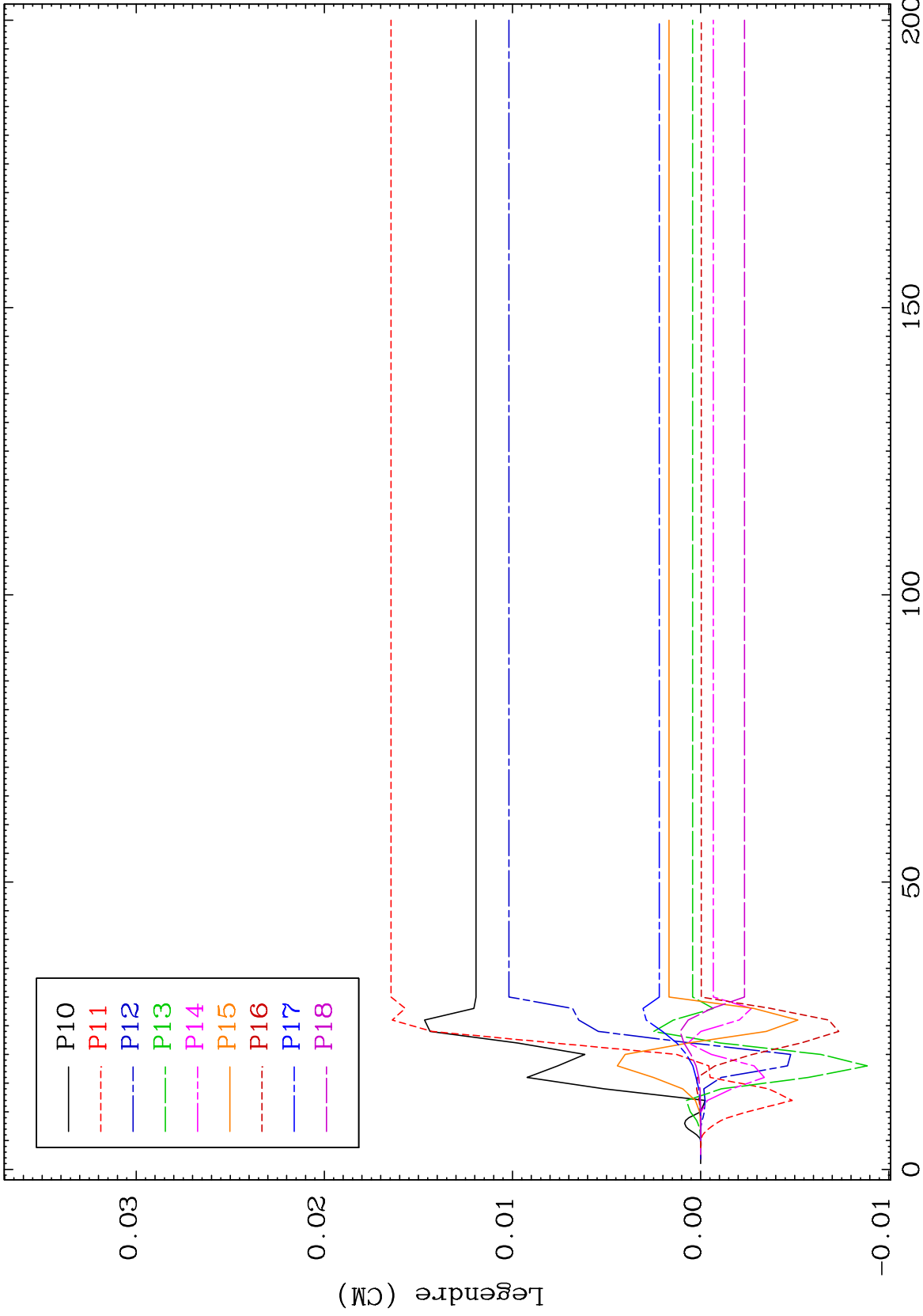
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



45

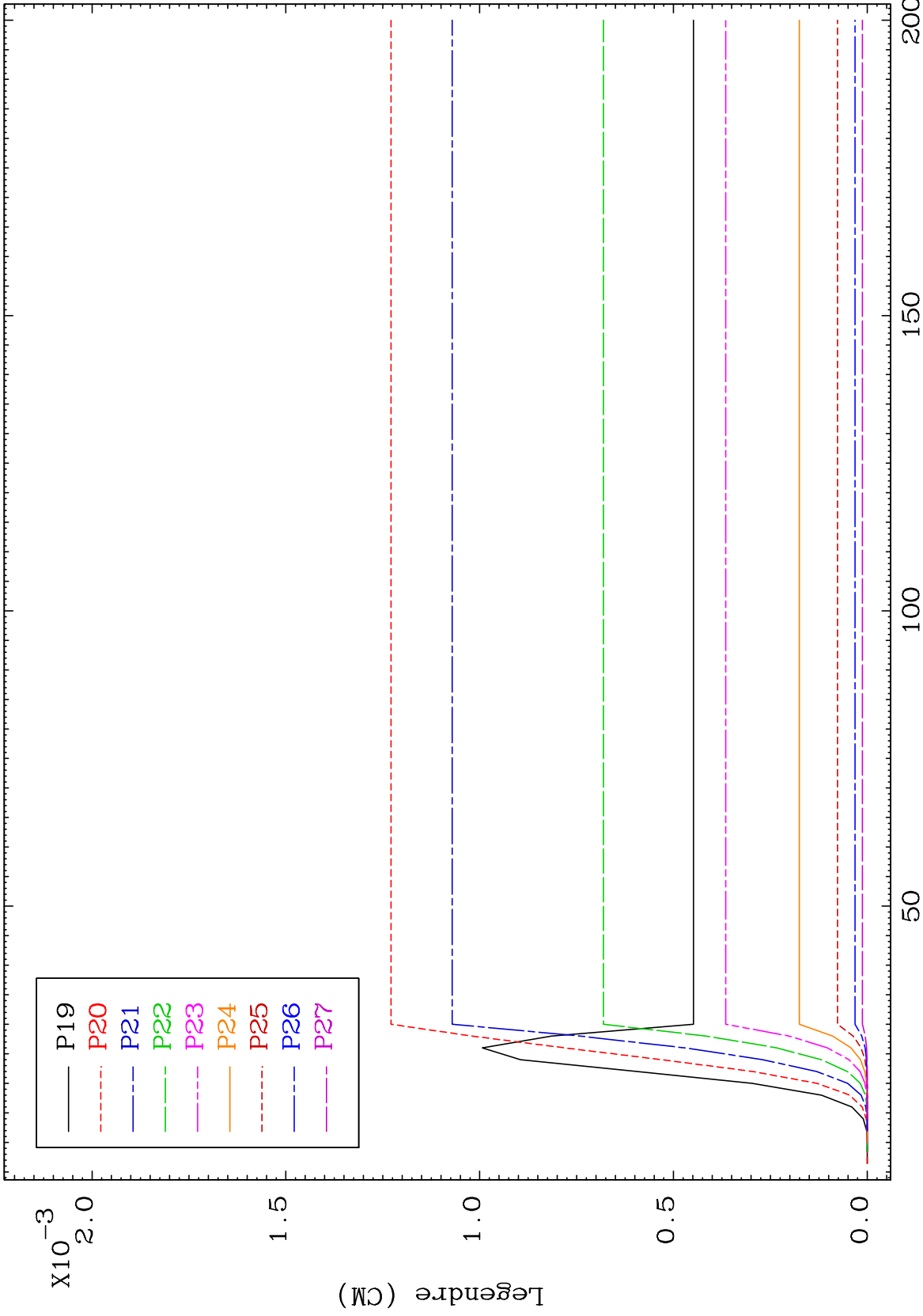
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



46

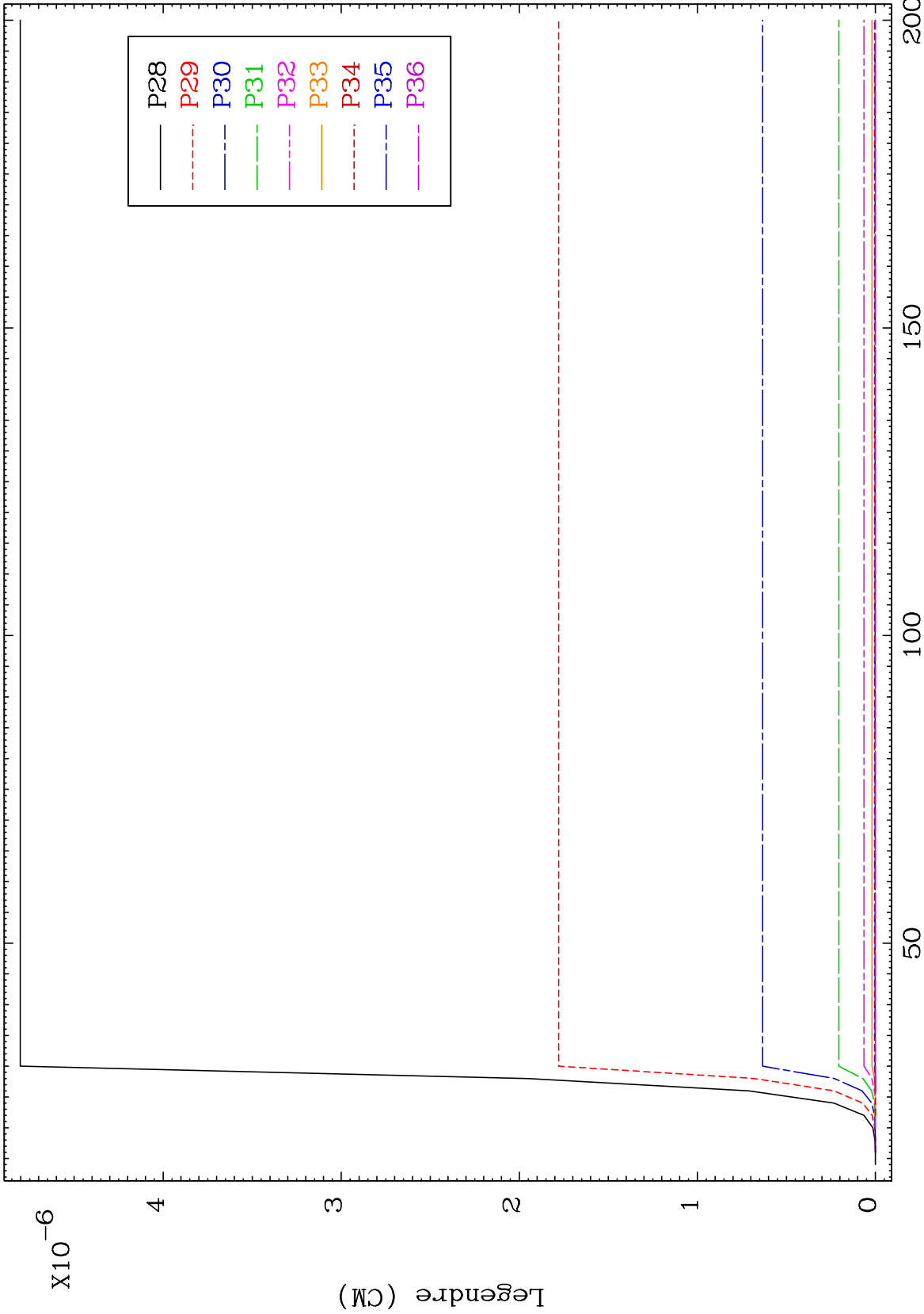
57-La-149

200

MAT 5758

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

57-La-149



47

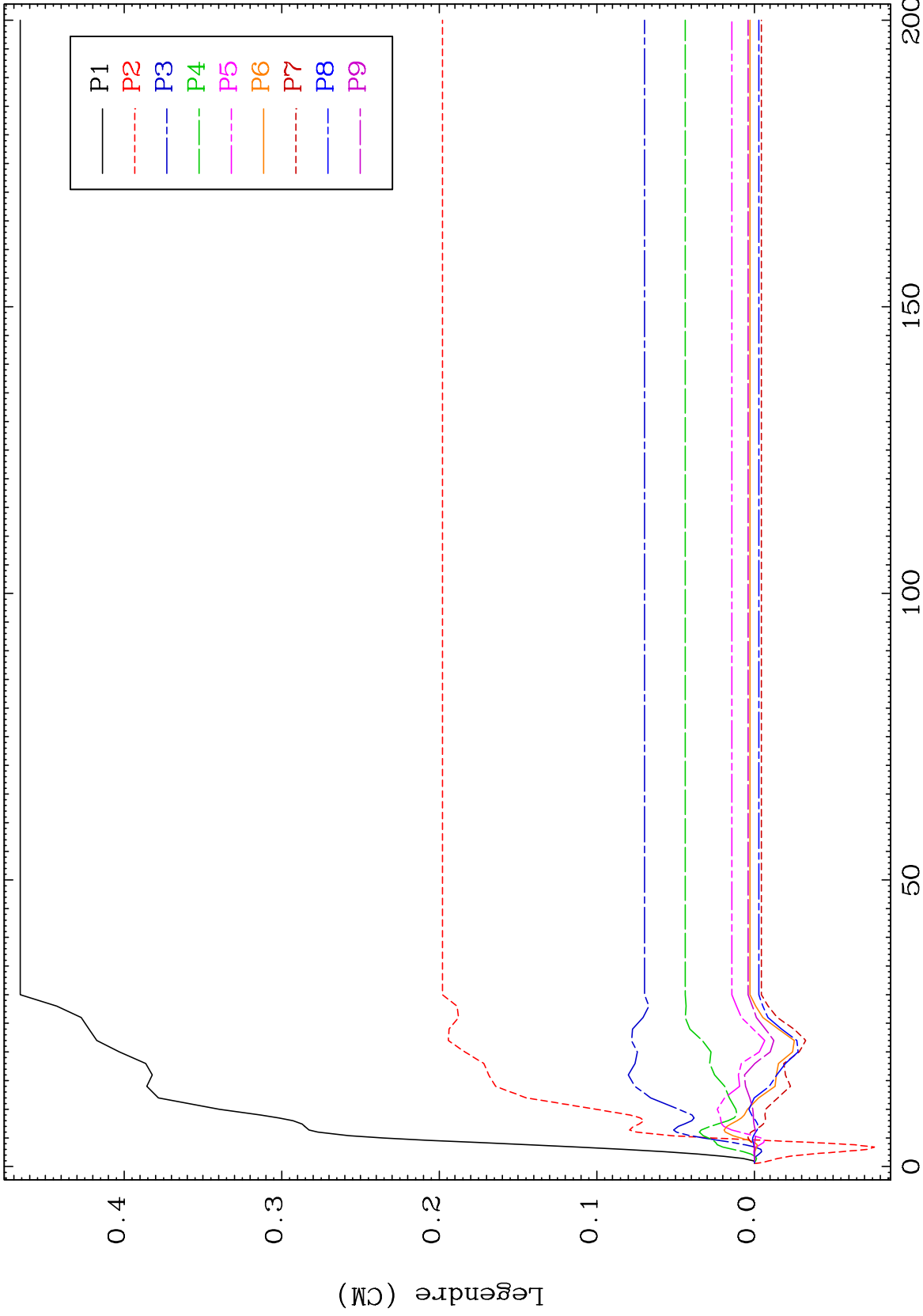
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



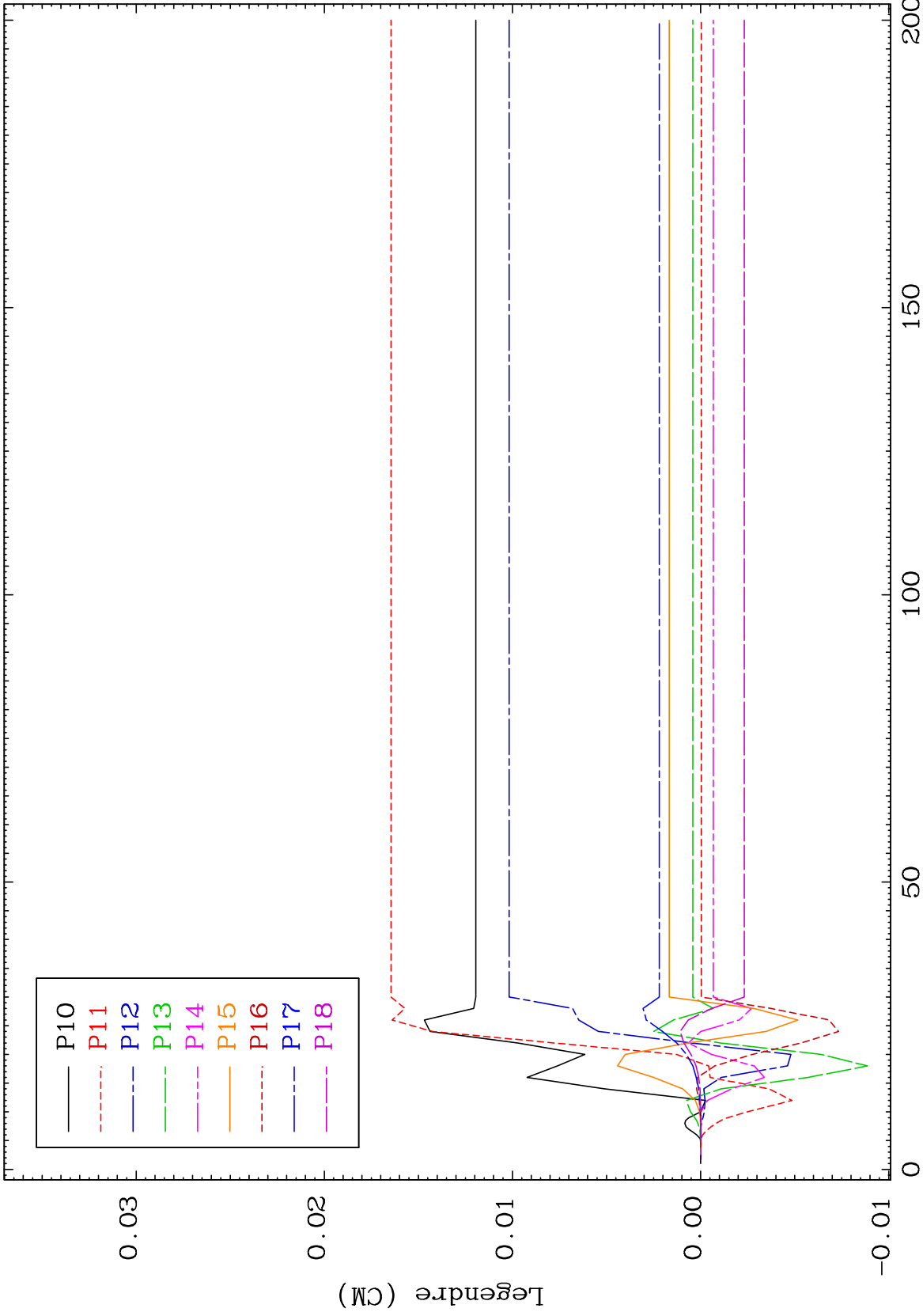
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57-La-149

MAT 5758

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

57-La-149



49

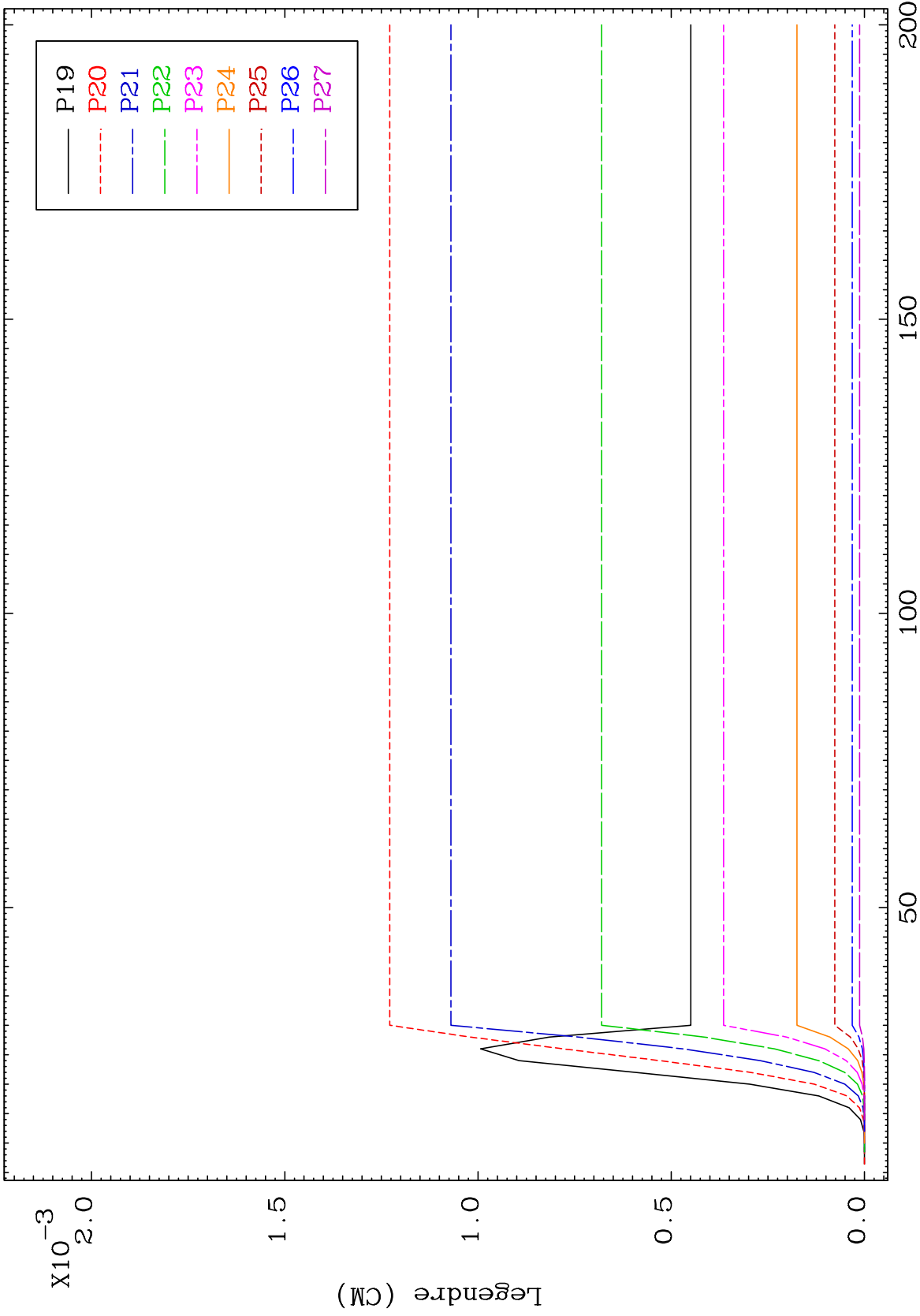
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



50

50

100

150

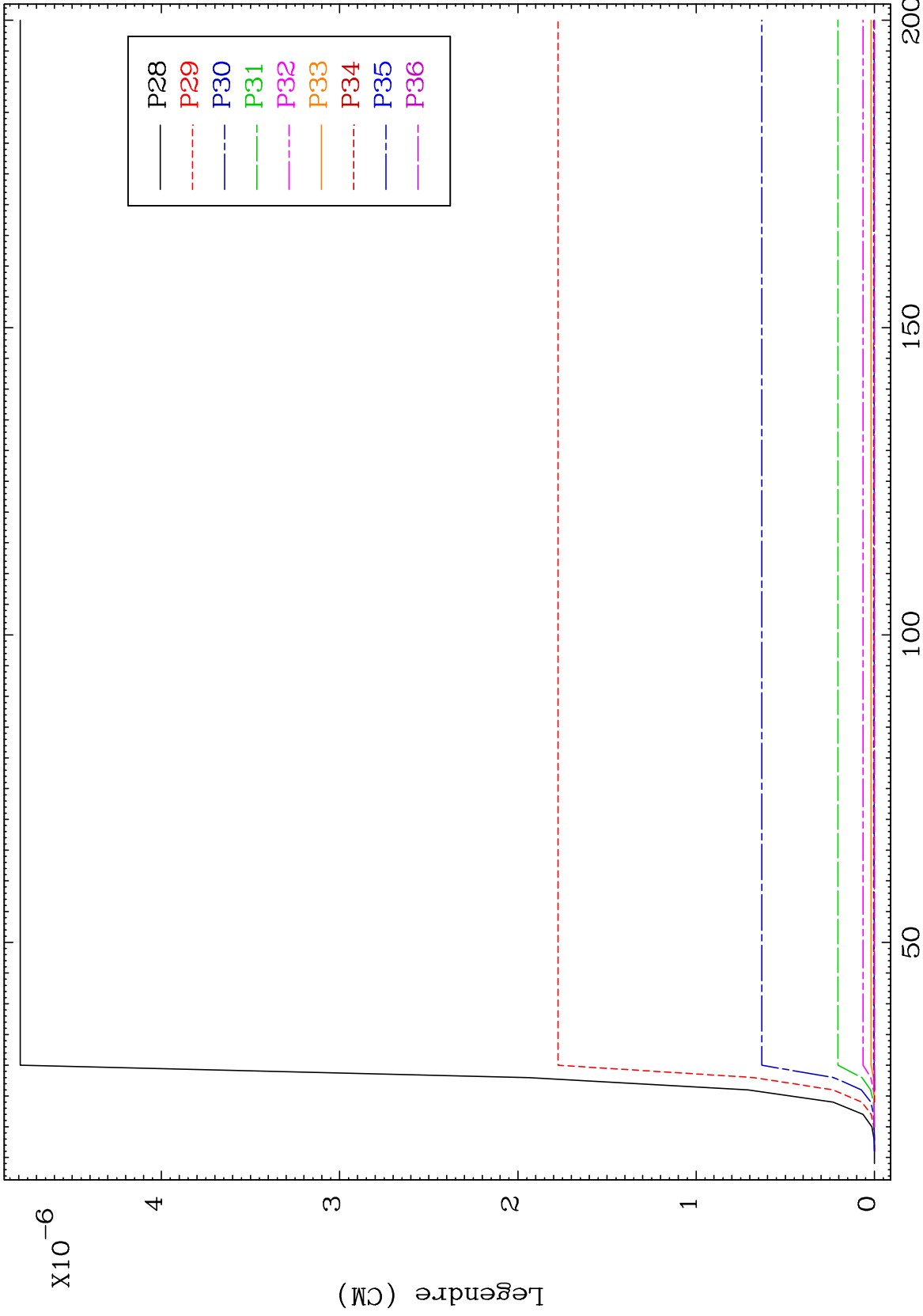
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57-La-149

MAT 5758

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

57-La-149



51

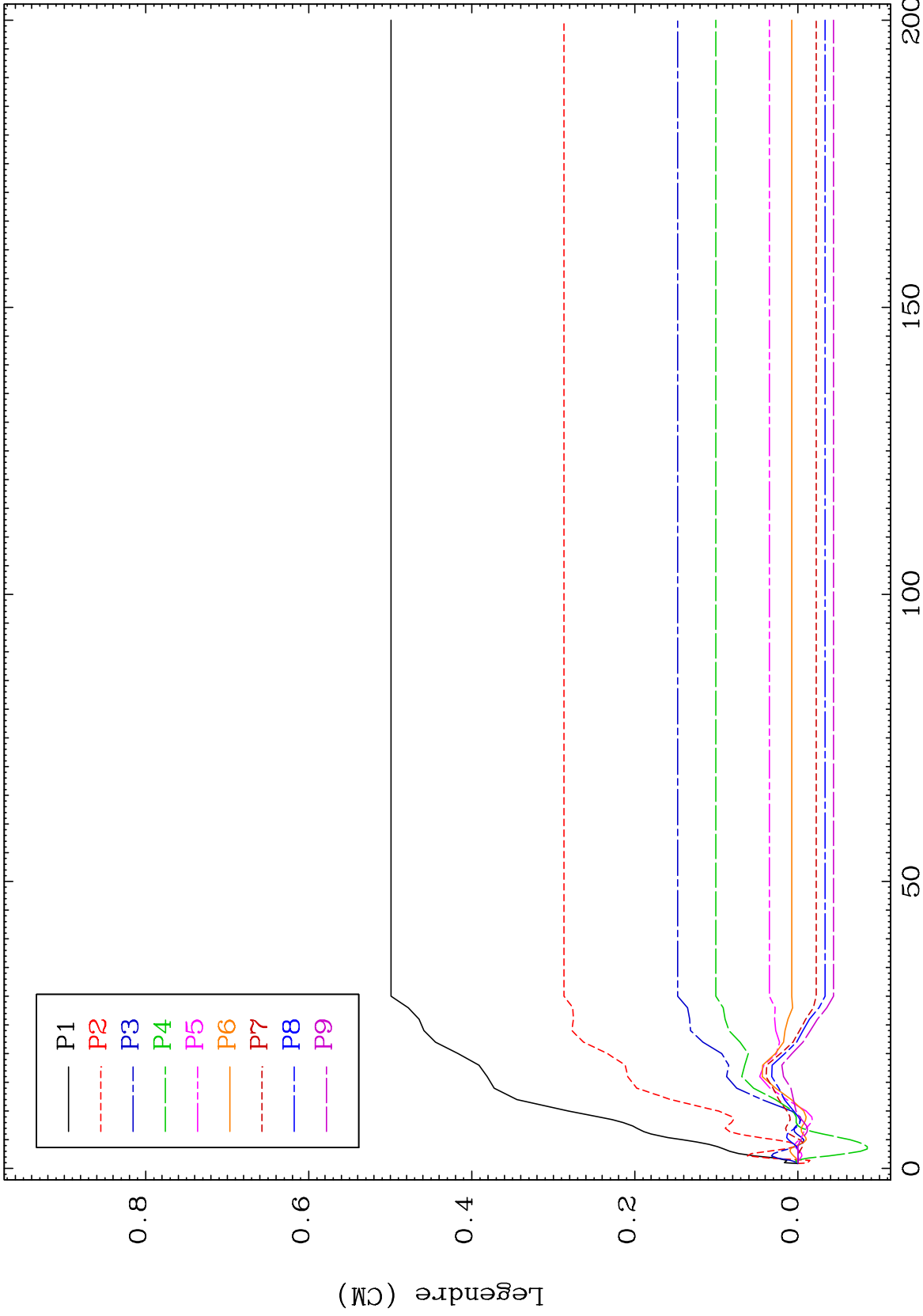
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



52

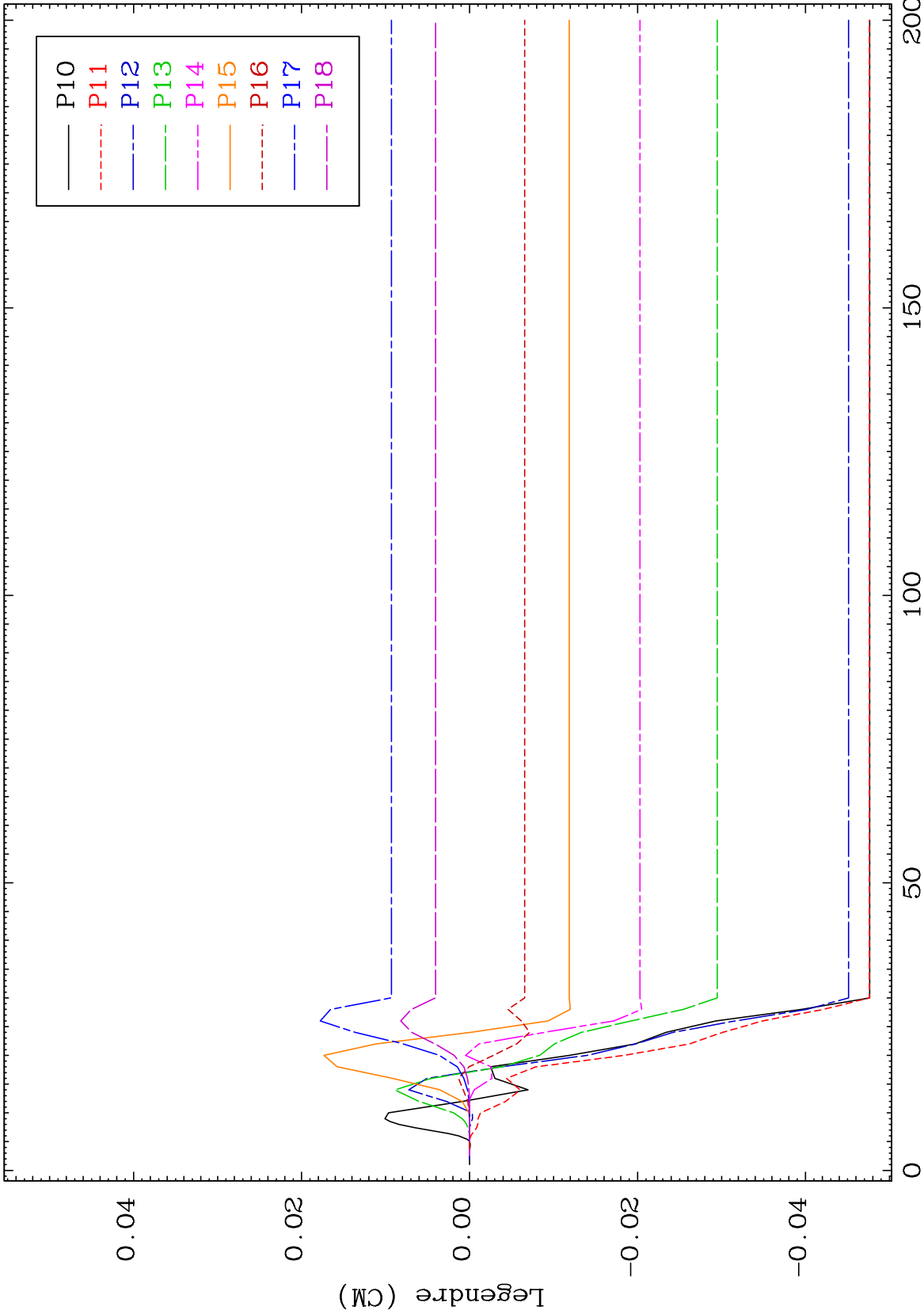
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



53

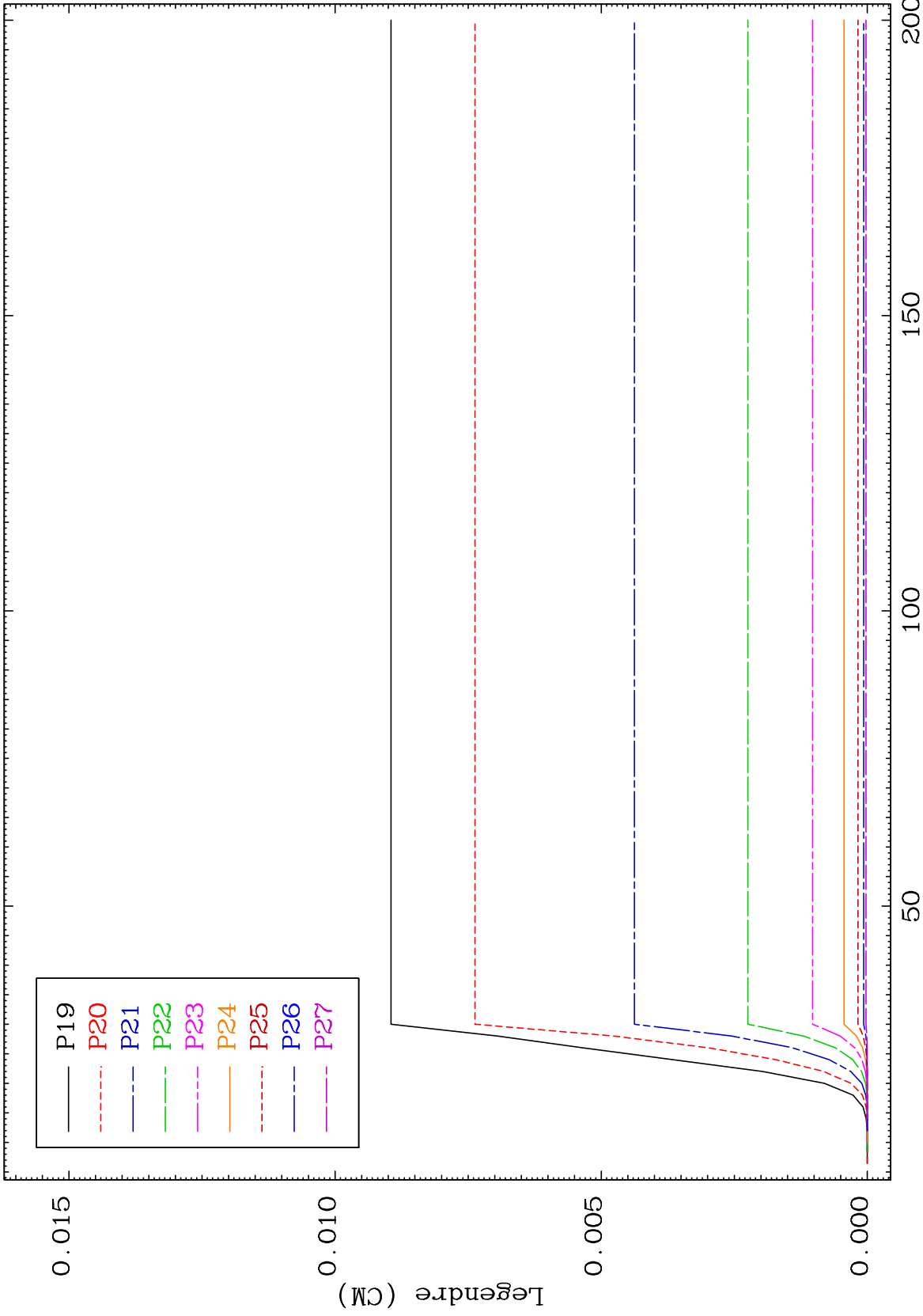
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



54

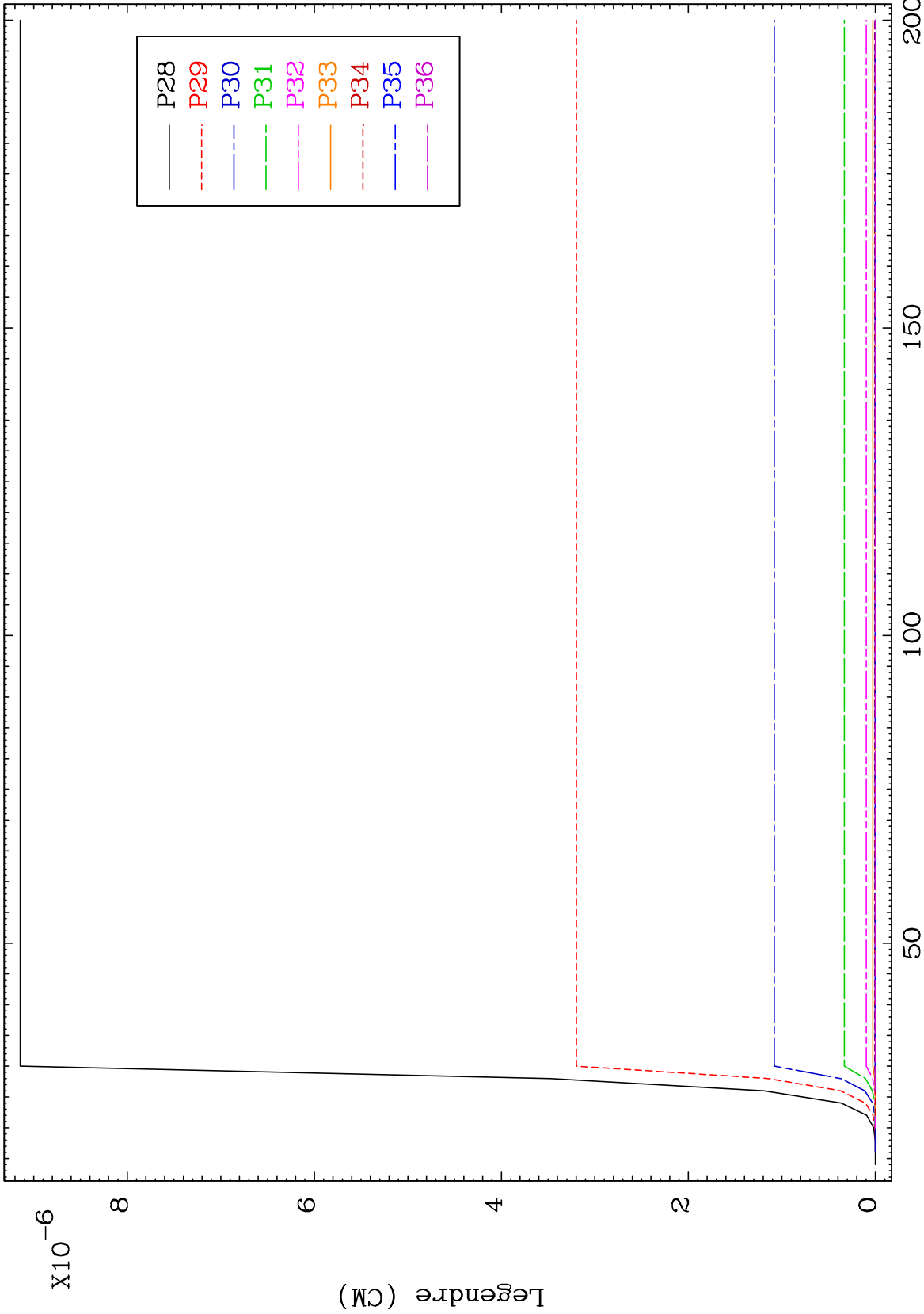
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



55

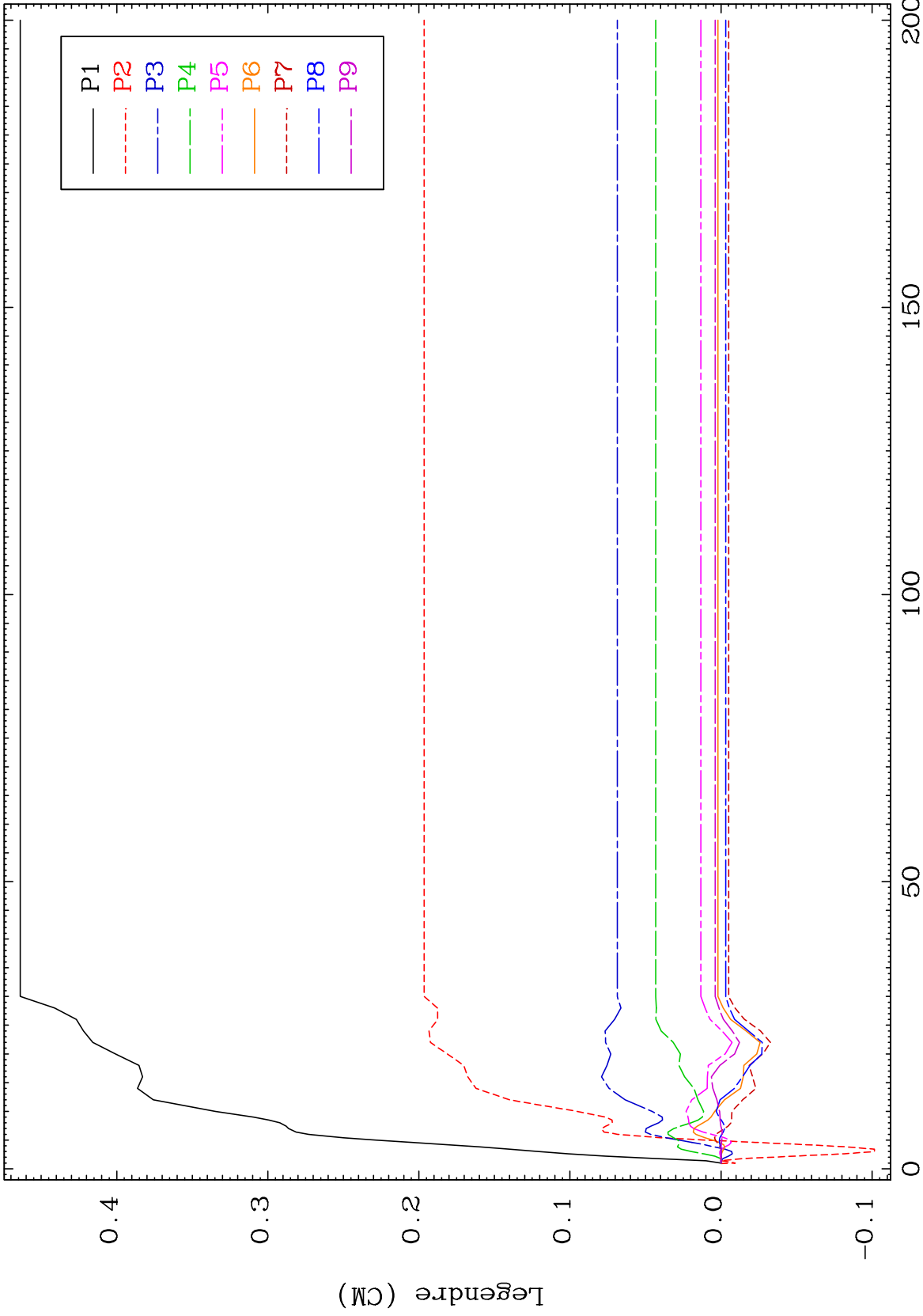
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



56

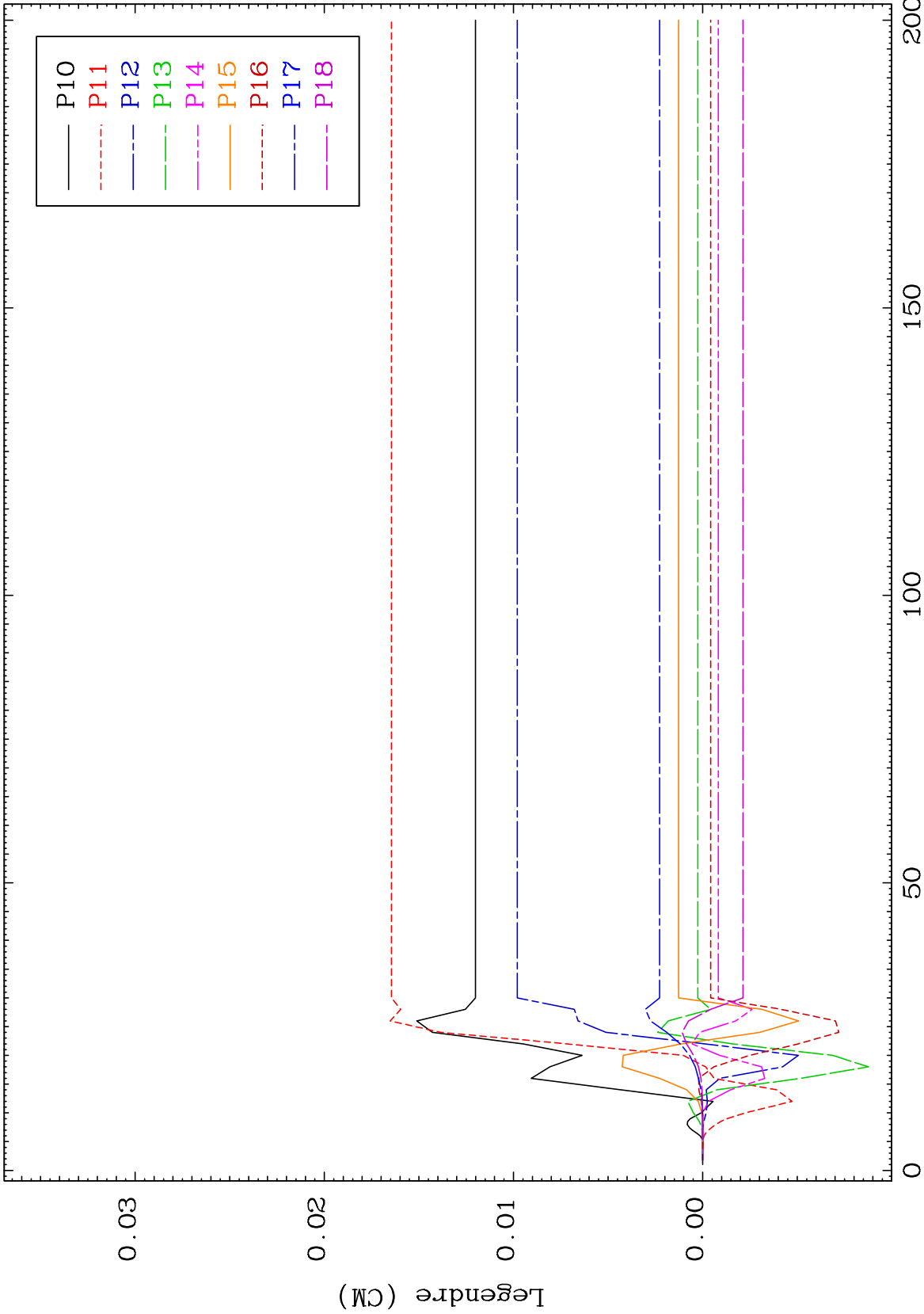
Incident Energy (MeV)

57-La-149

MAT 5758

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

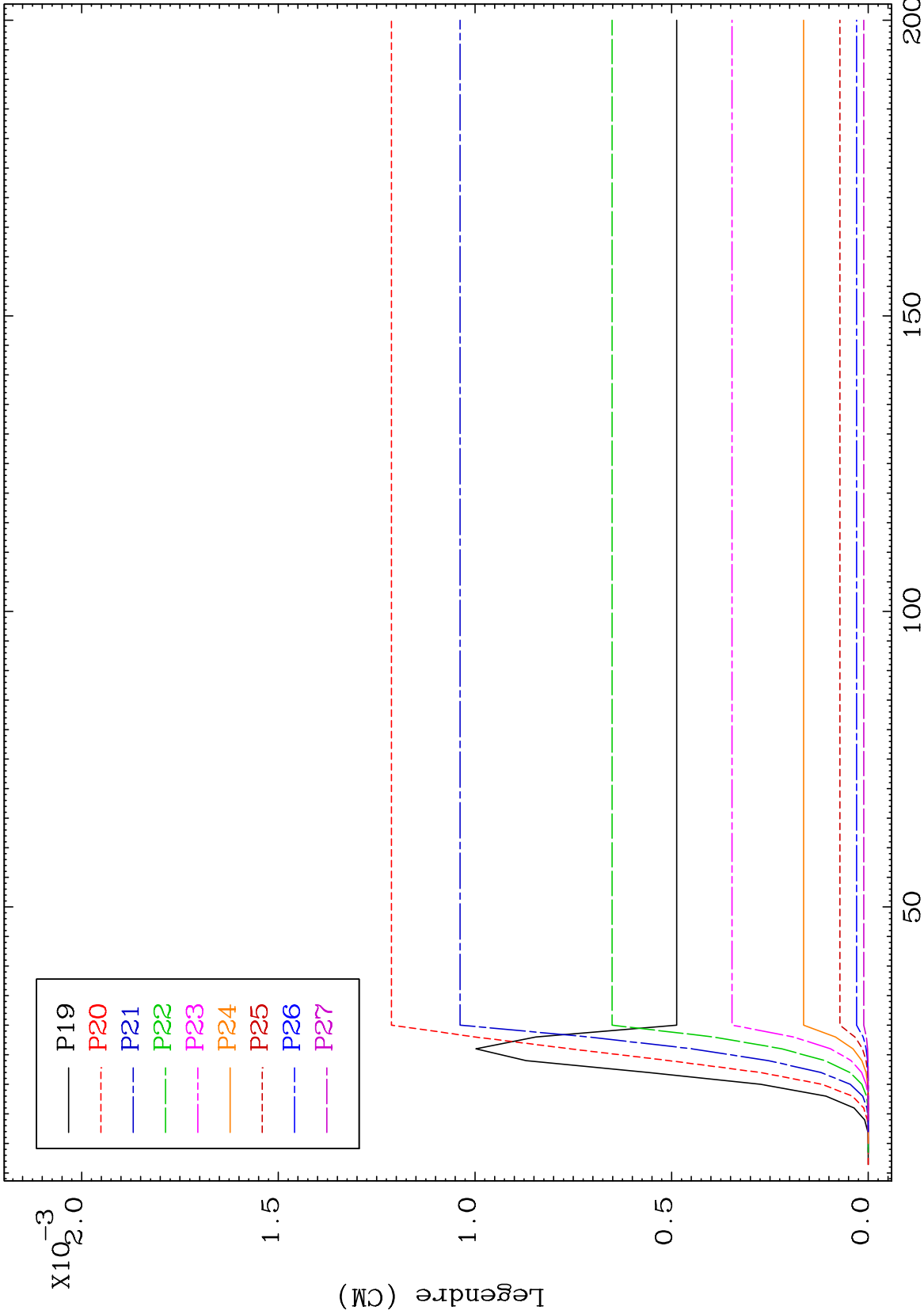
57-La-149



57

Incident Energy (MeV)

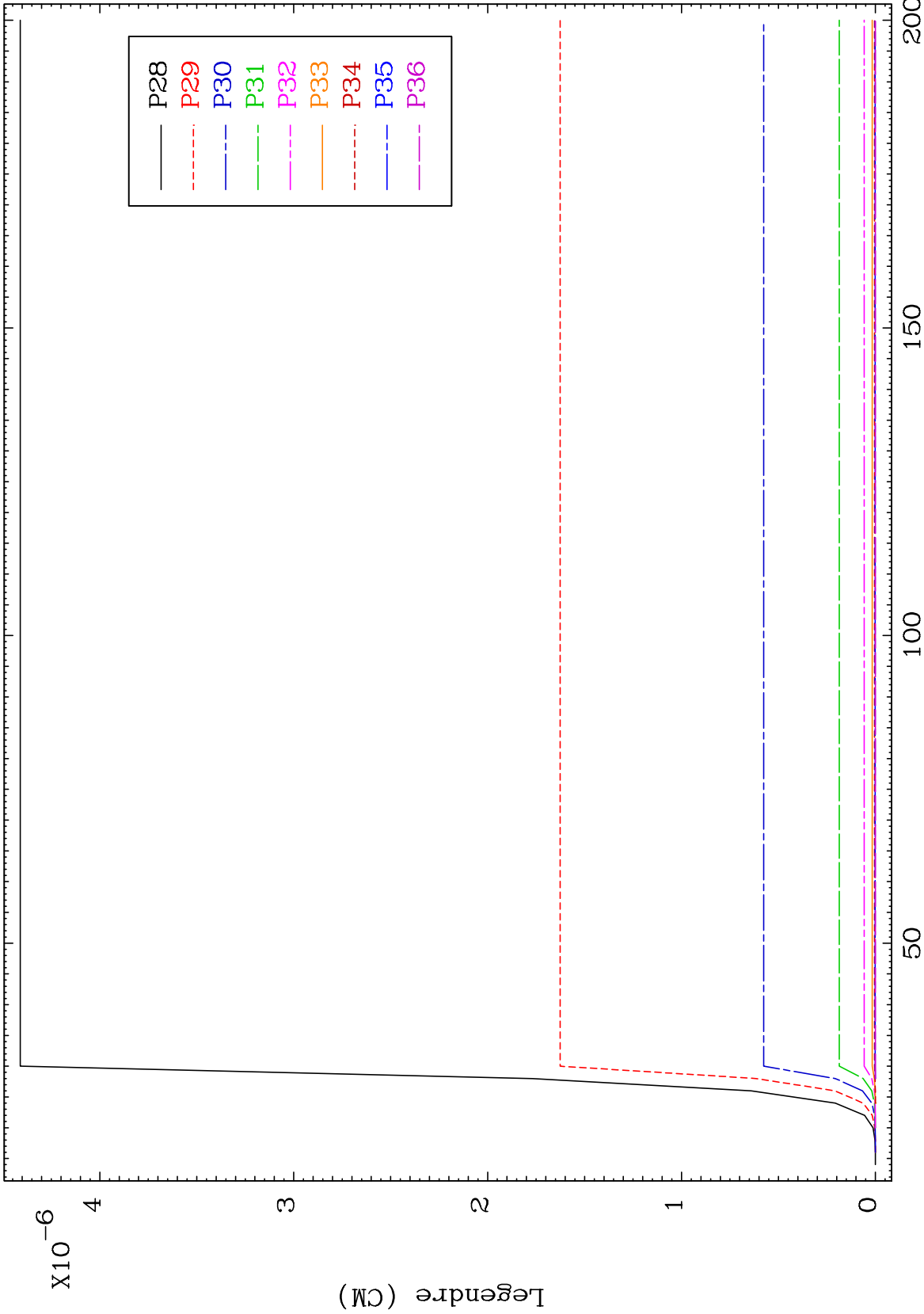
57-La-149



MAT 5758

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

57-La-149



59

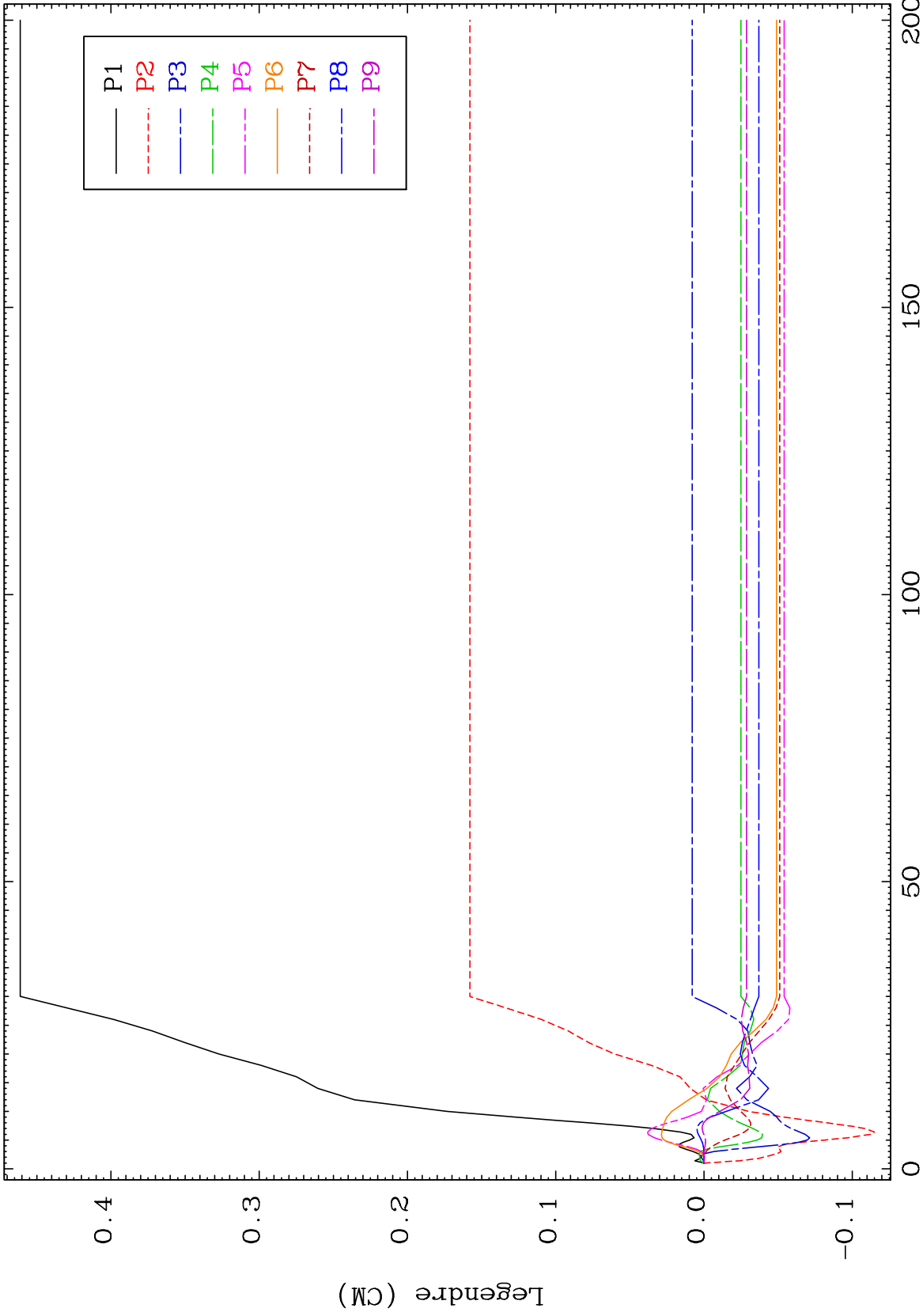
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



57-La-149

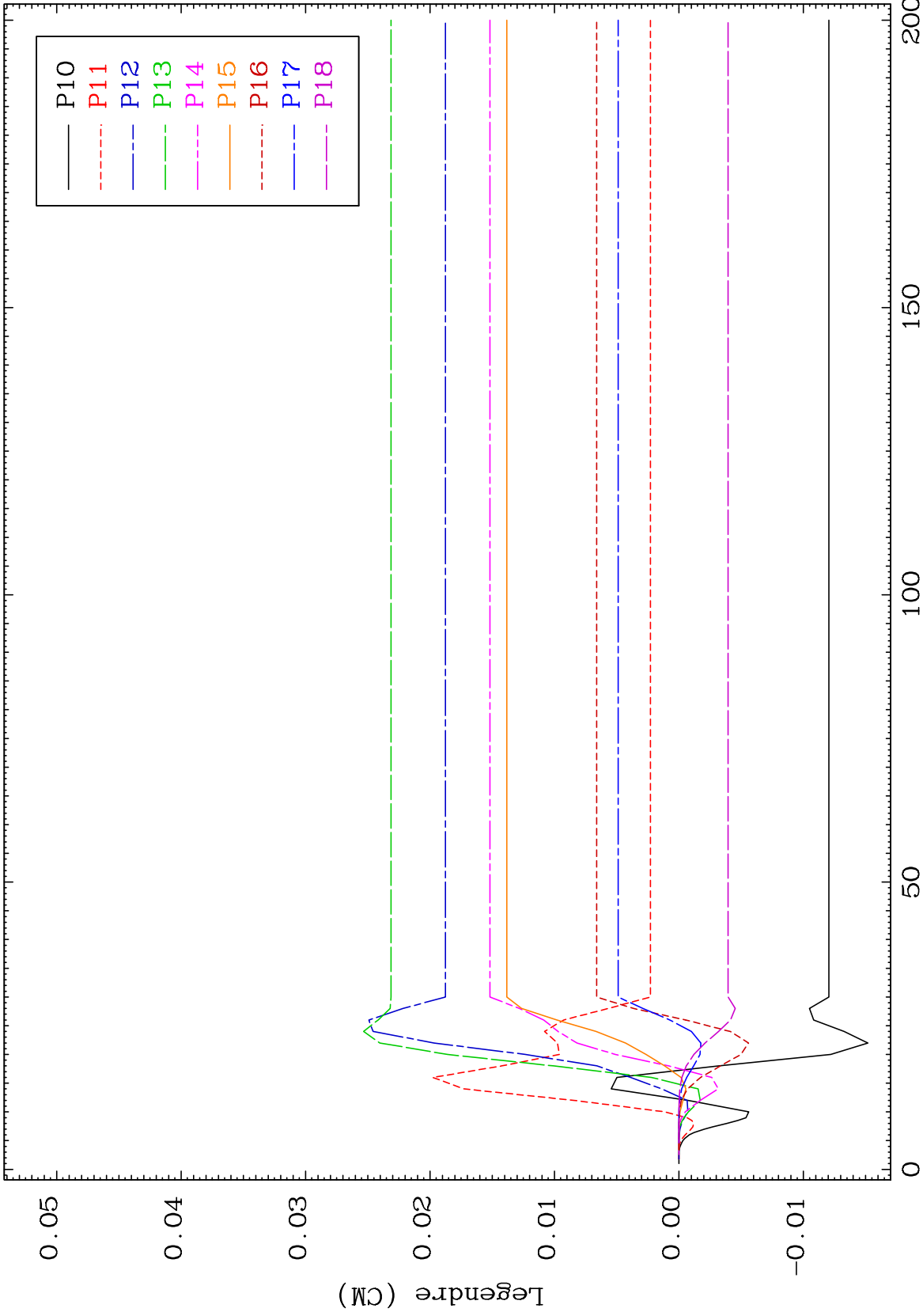
Incident Energy (MeV)

60

MAT 5758

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

57-La-149



61

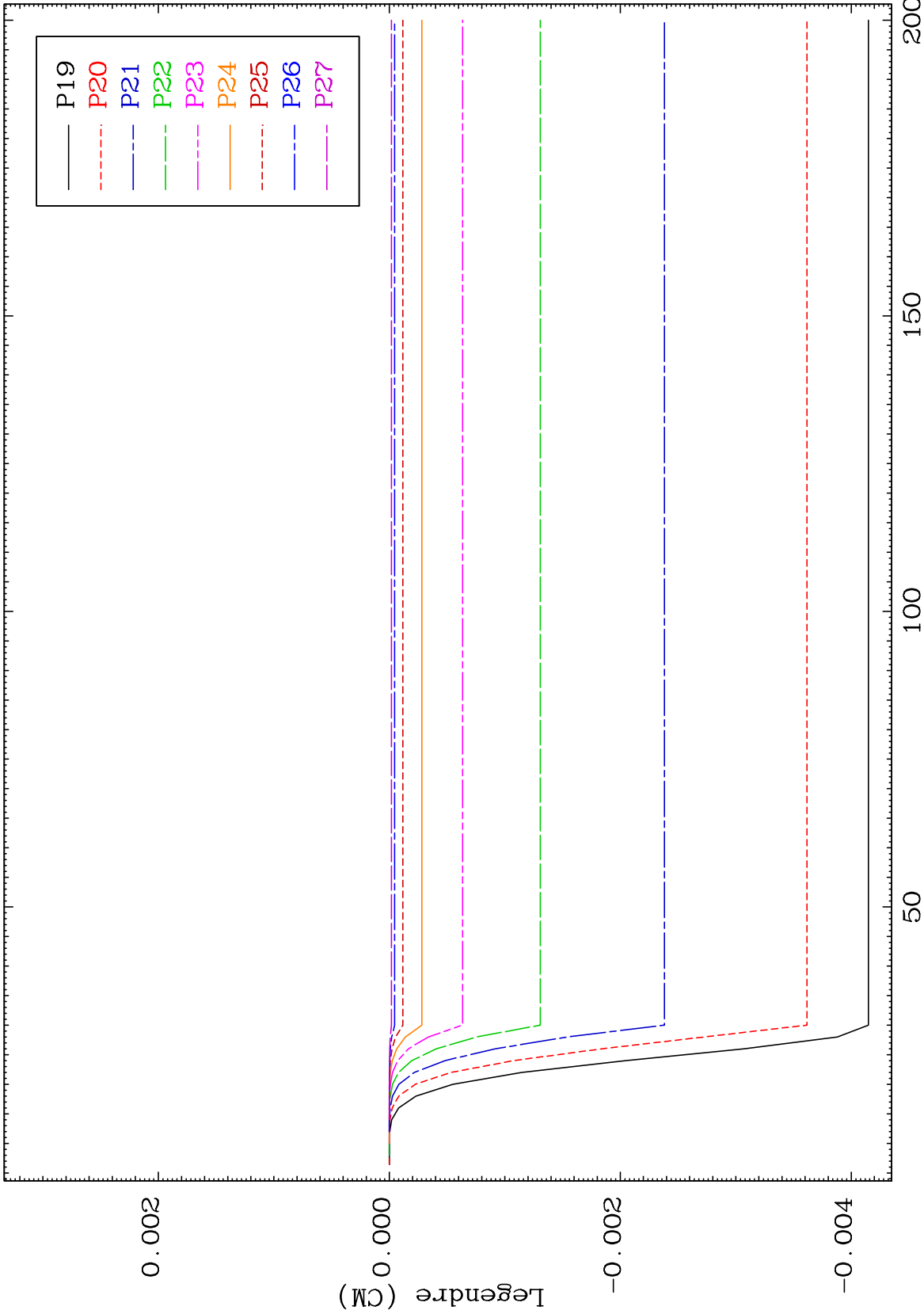
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



62

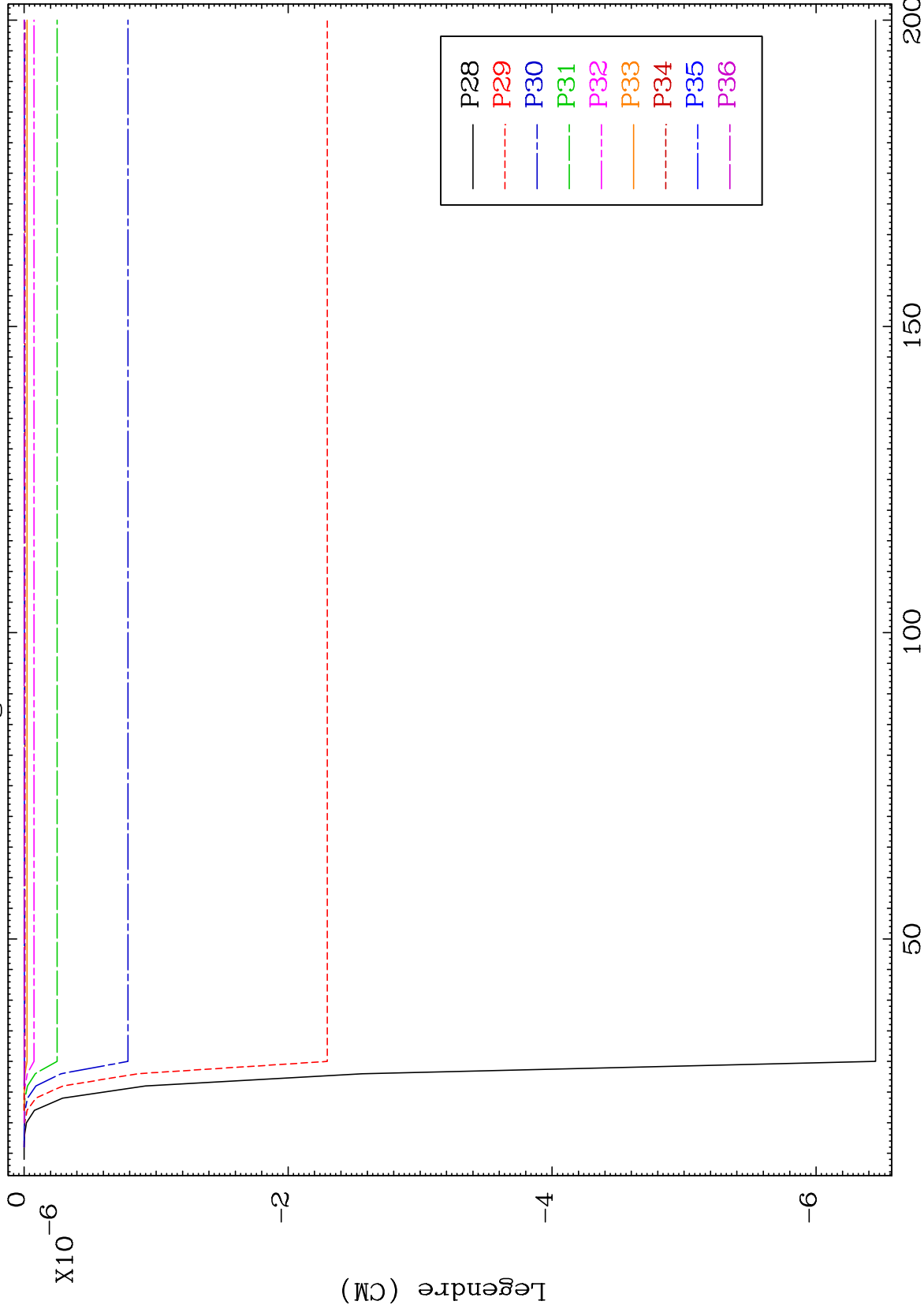
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



57-La-149

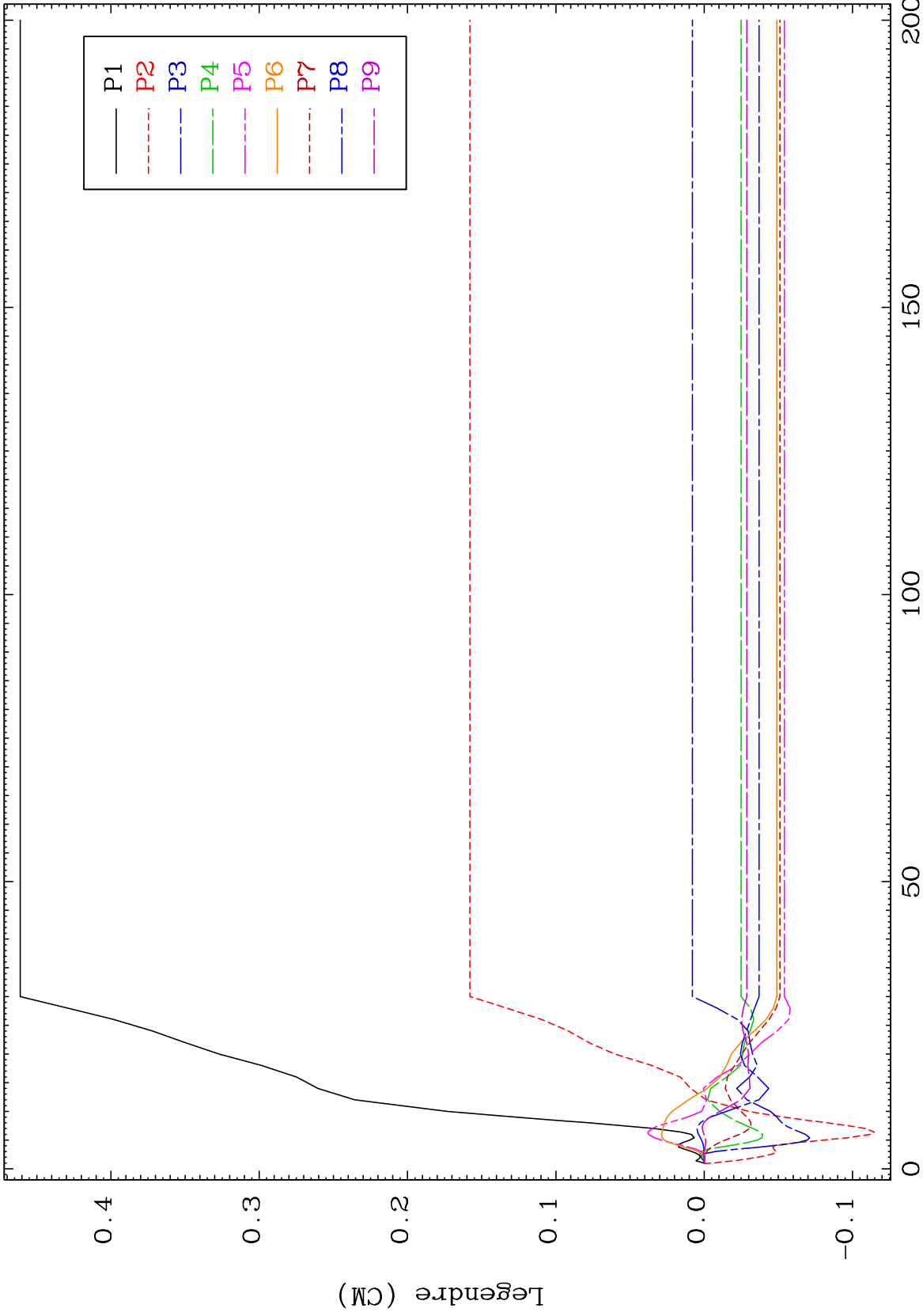
Incident Energy (MeV)

63

MAT 5758

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

57-La-149



64

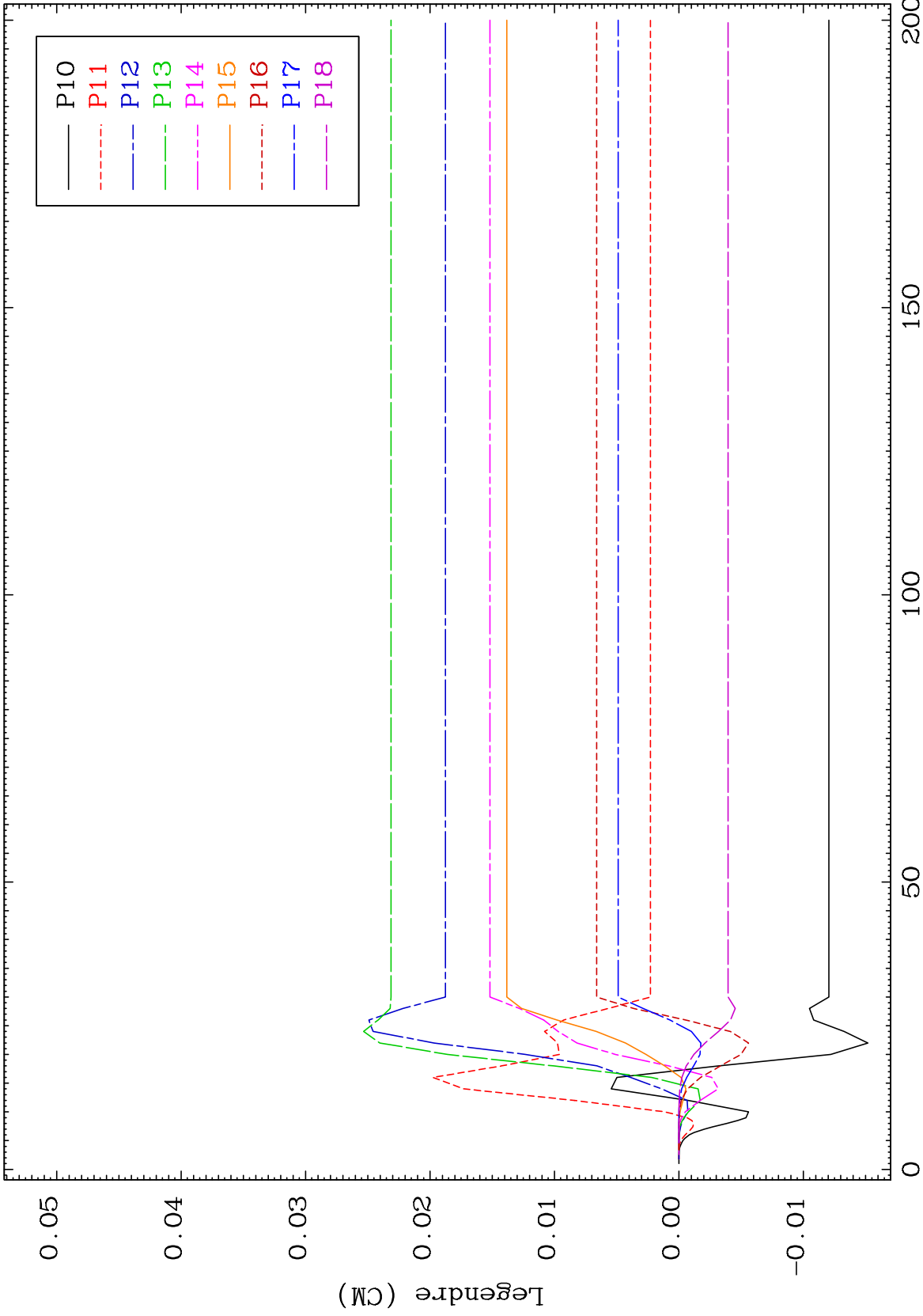
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



65

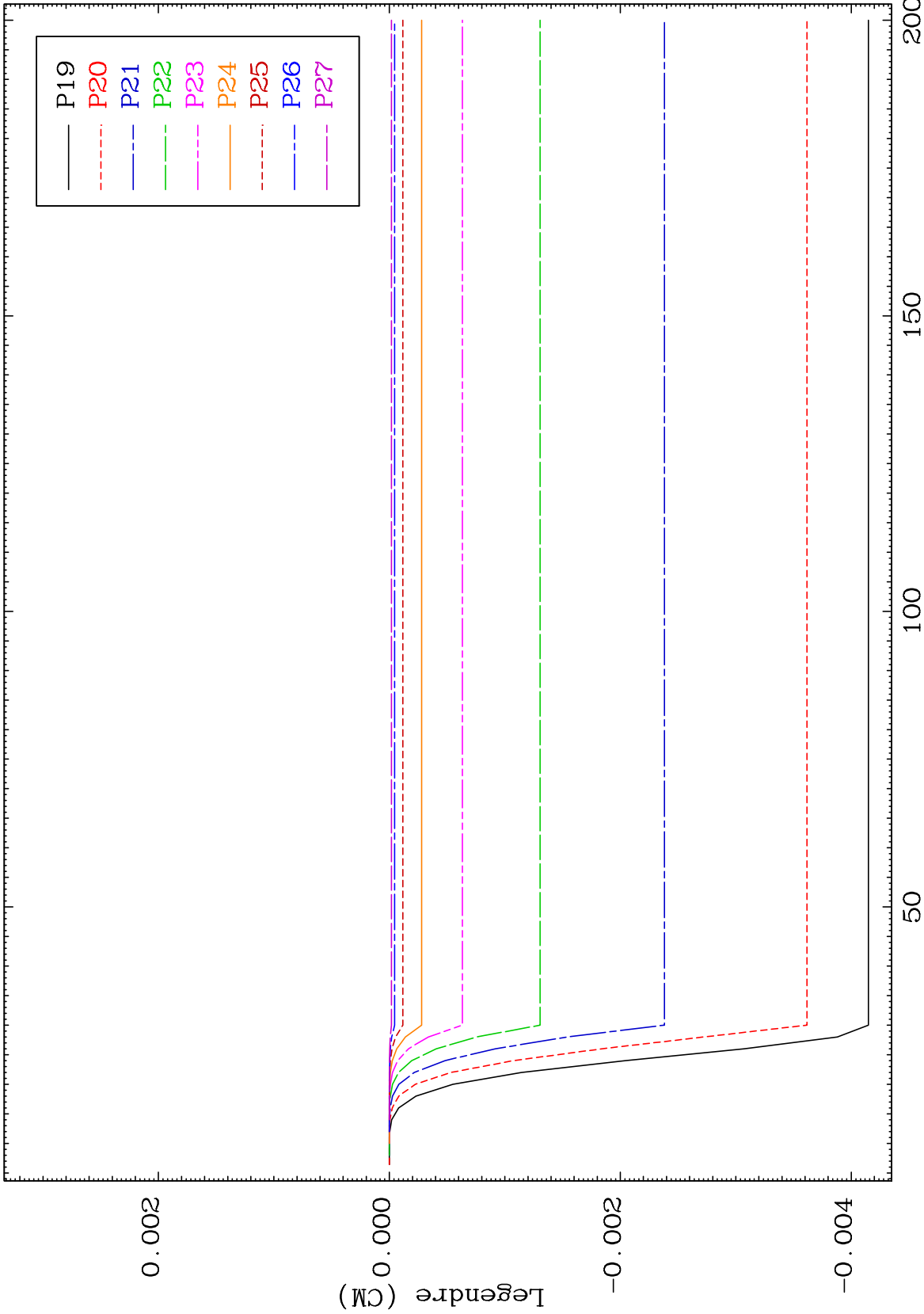
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



66

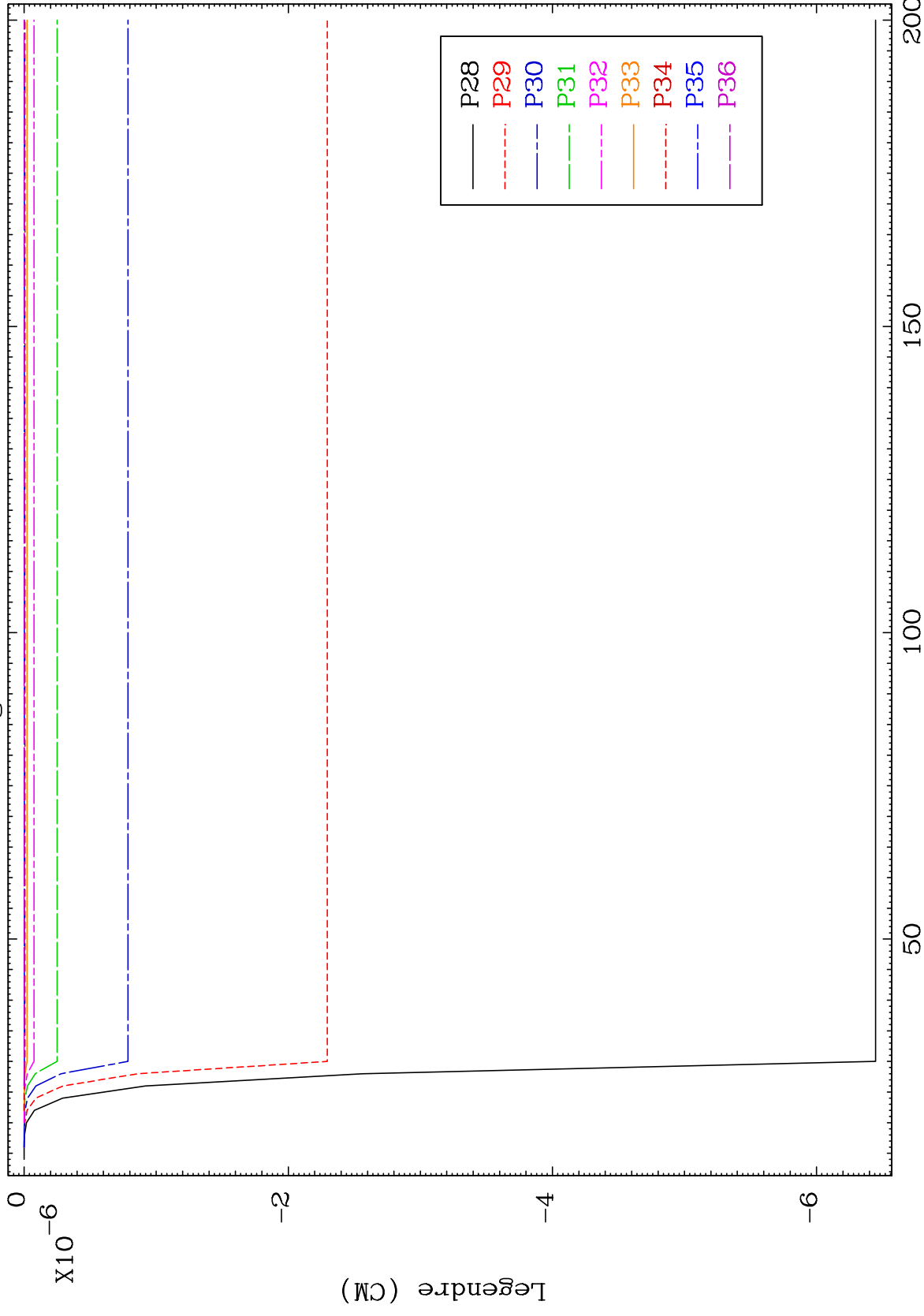
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



57-La-149

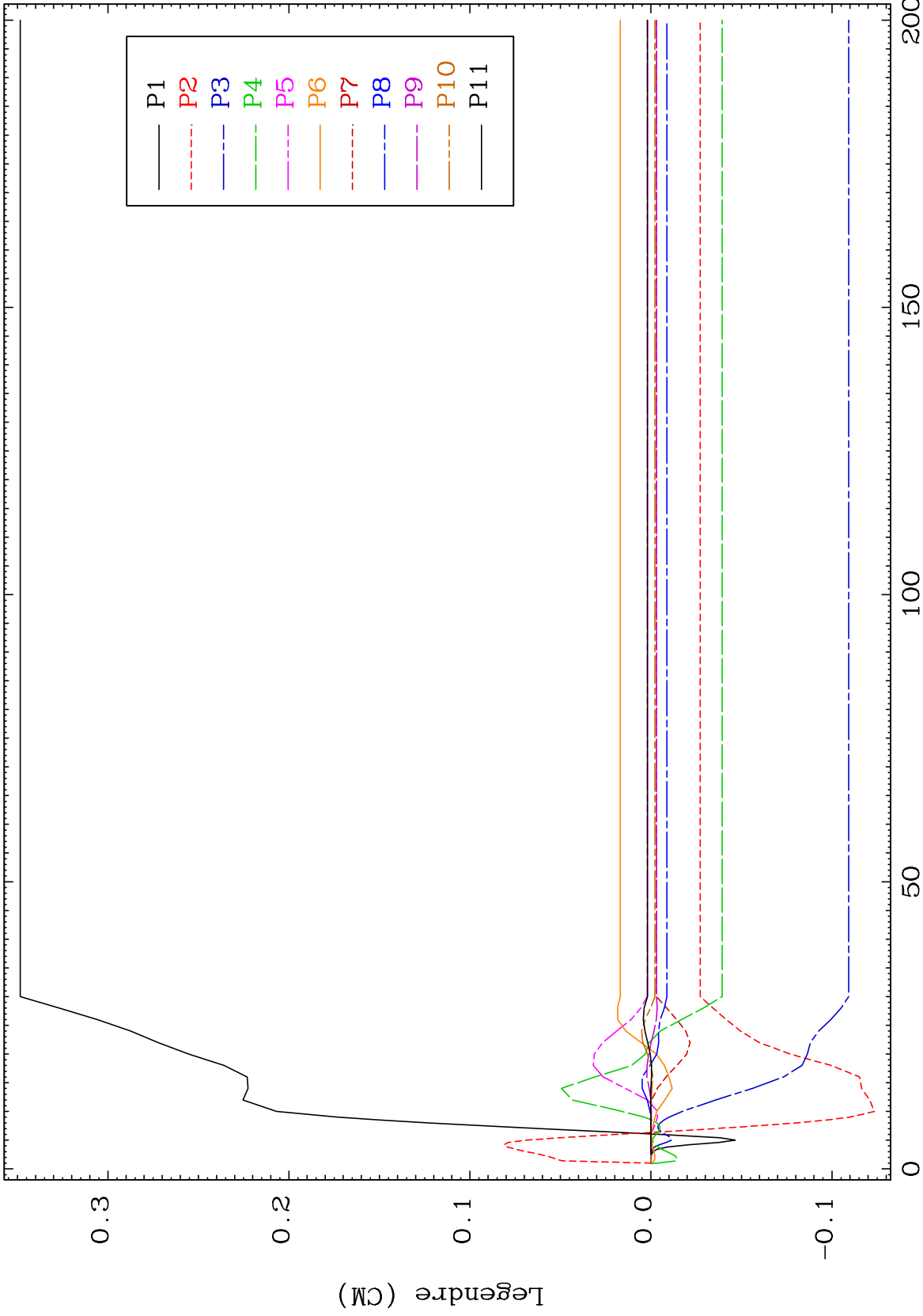
Incident Energy (MeV)

67

MAT 5758

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

57-La-149



68

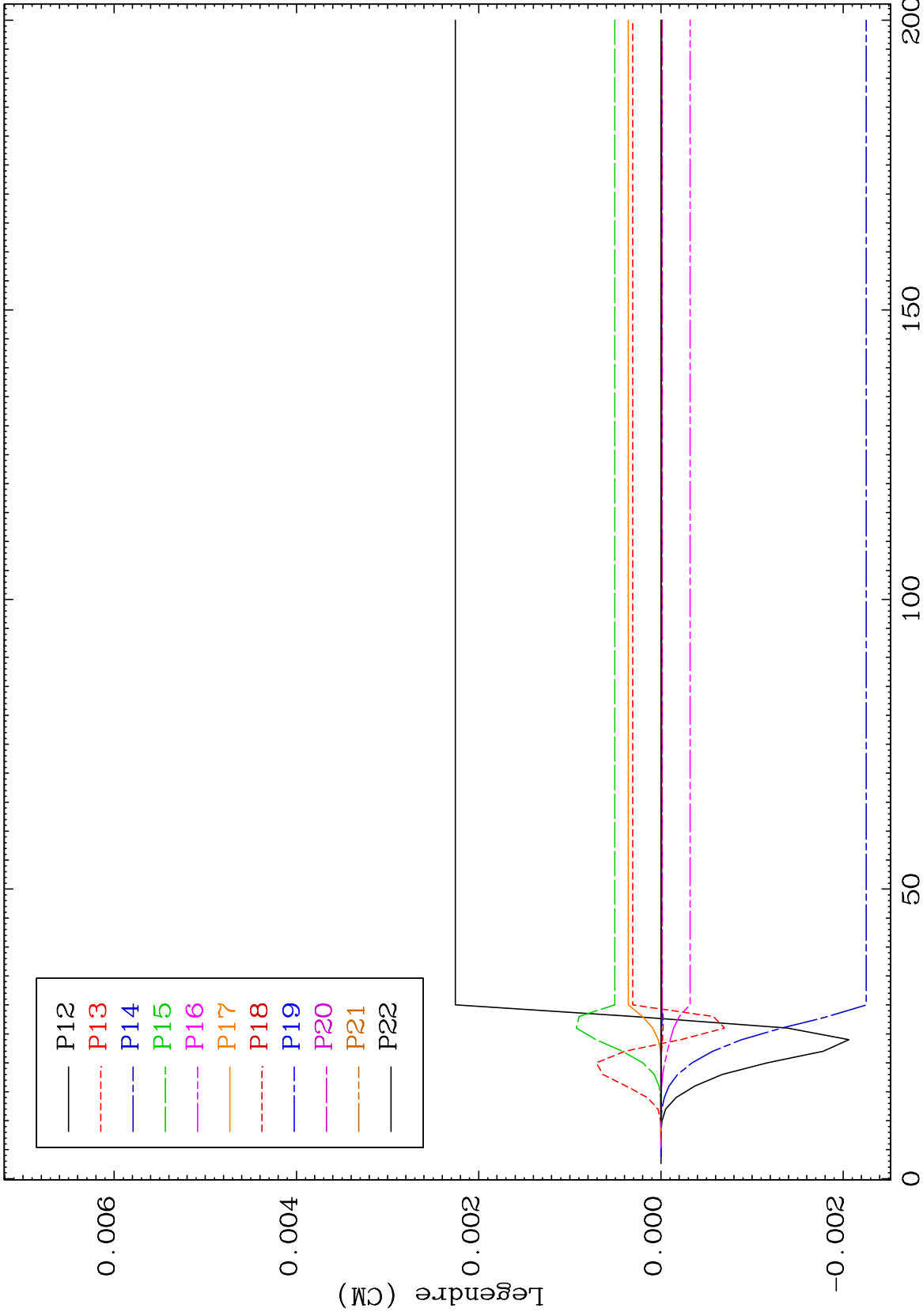
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



69

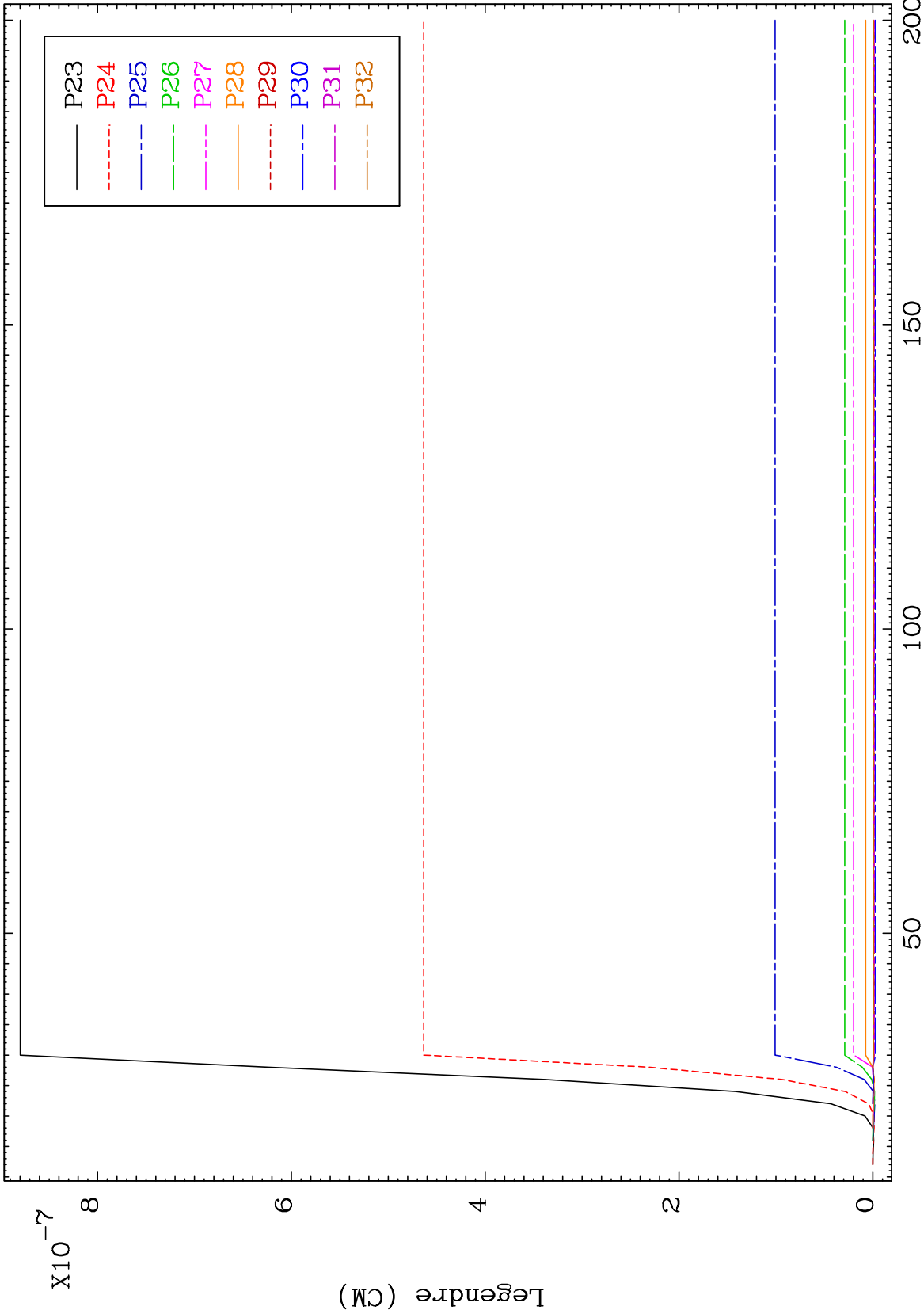
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



70

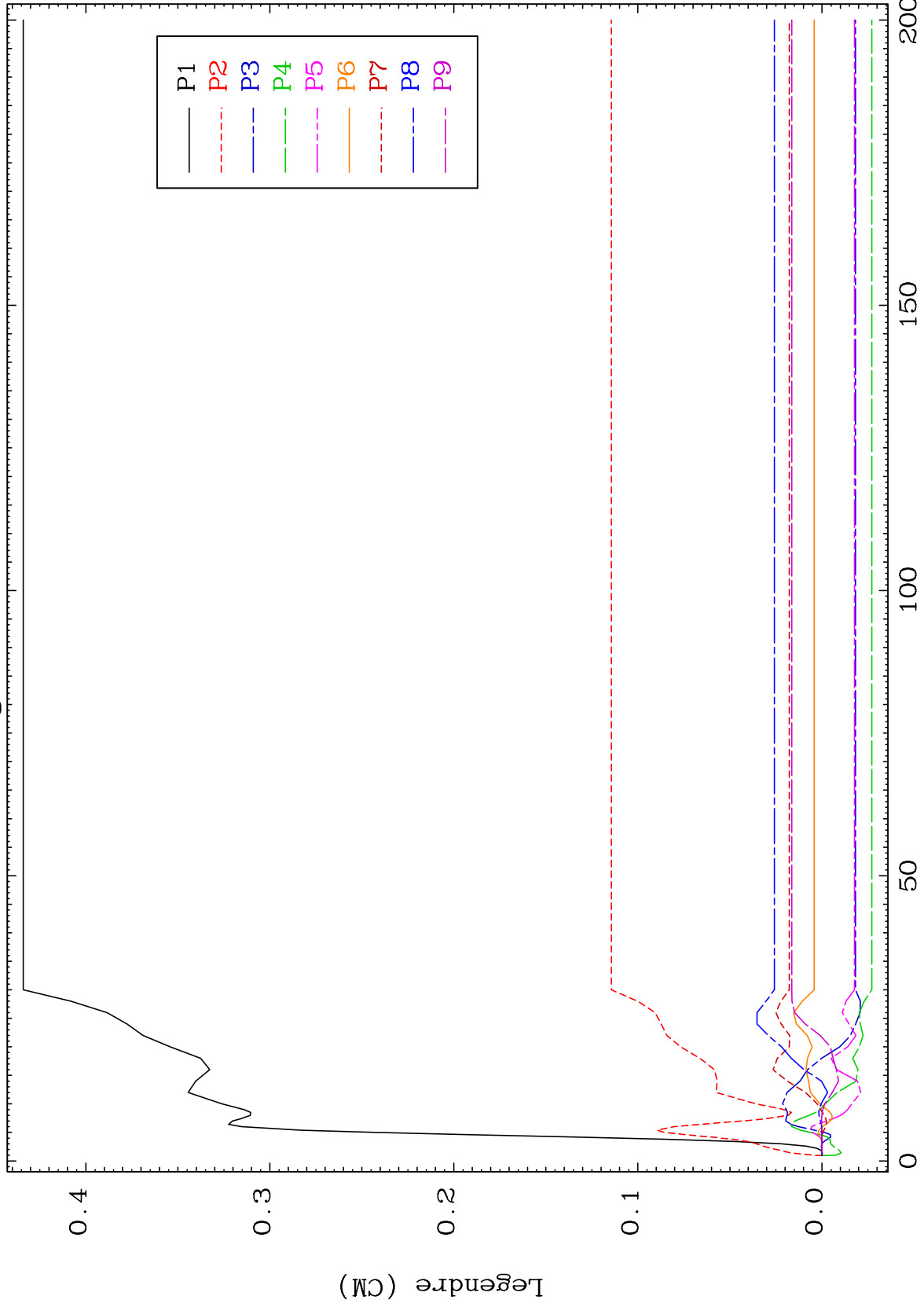
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



71

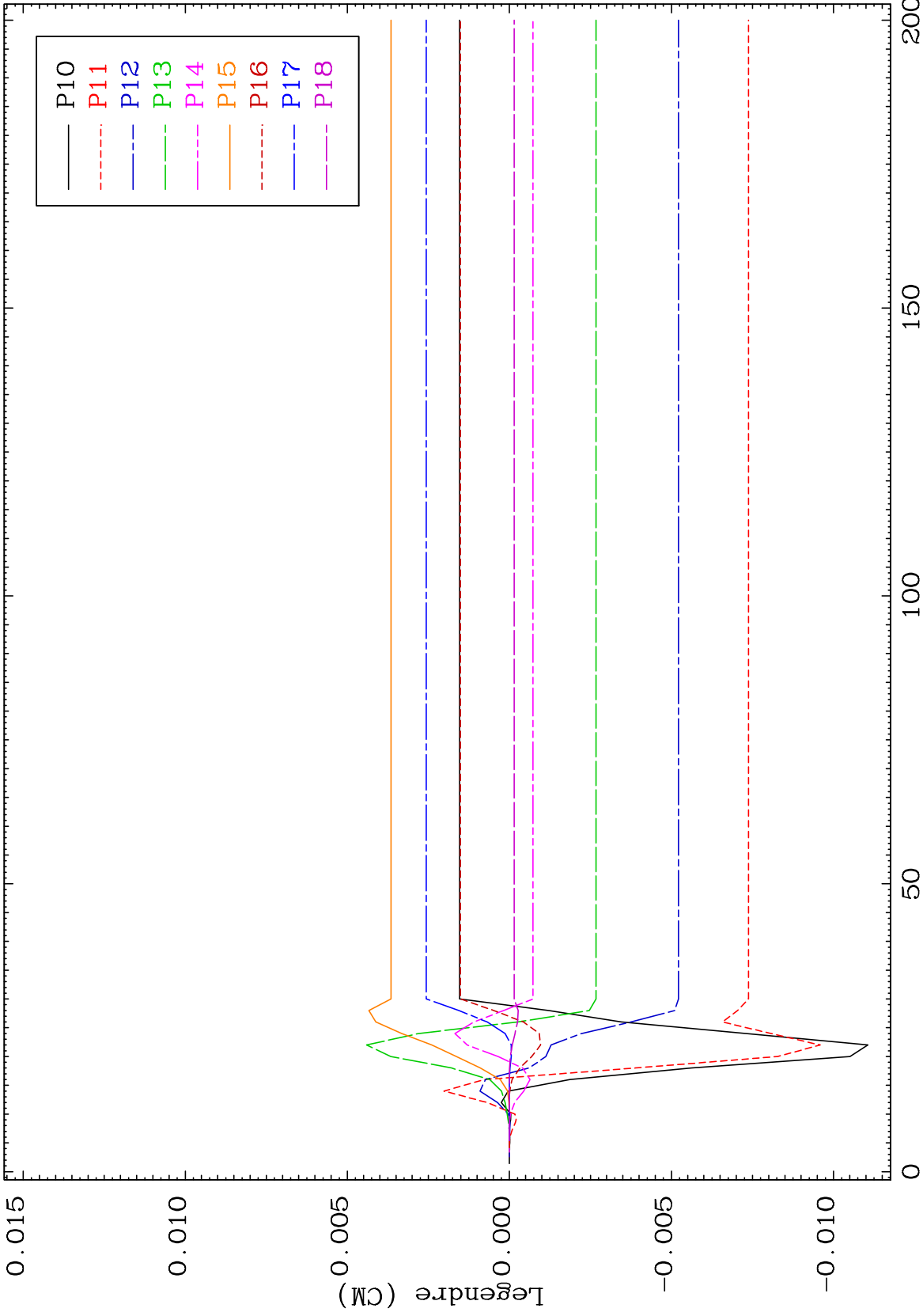
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



72

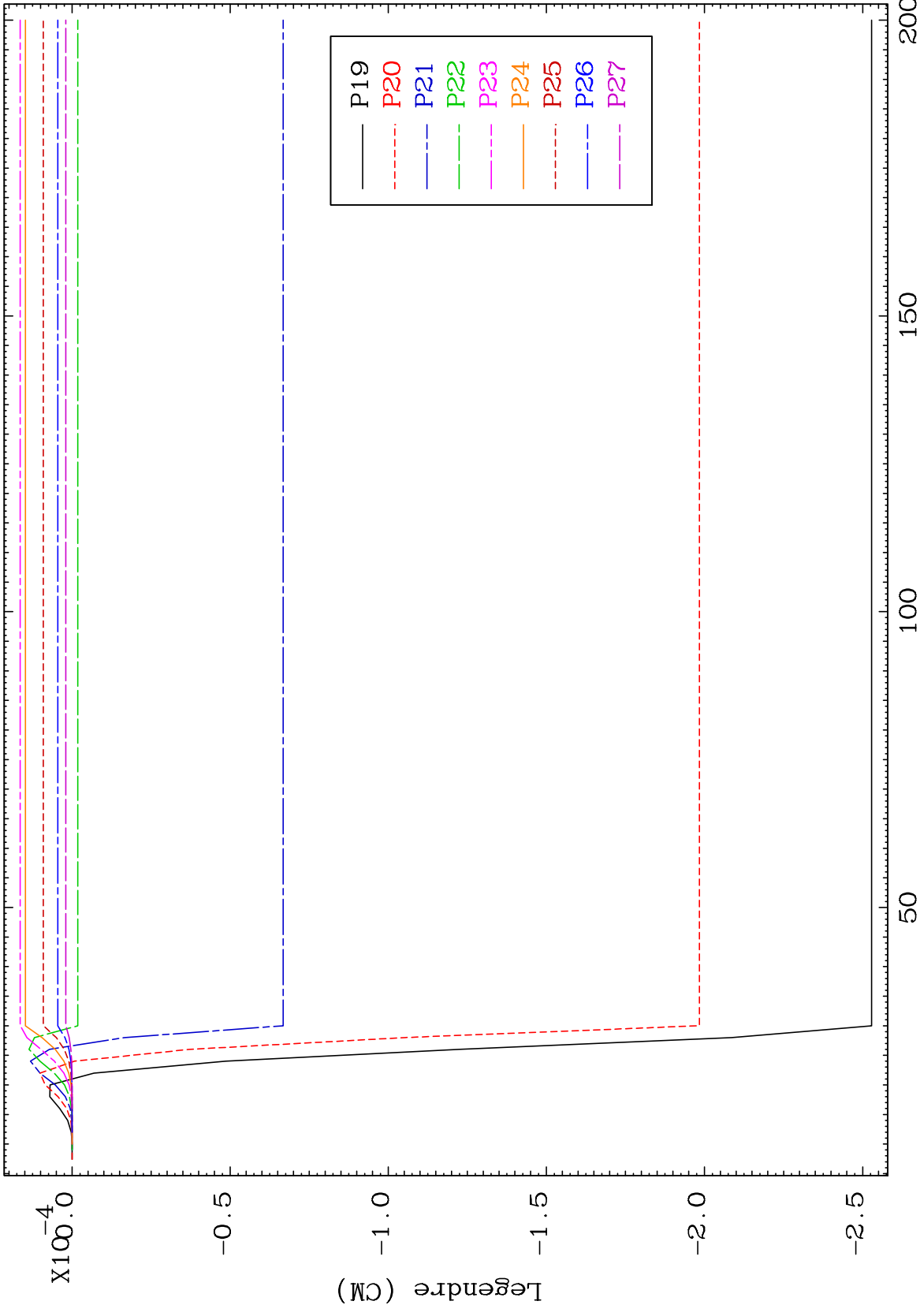
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



57-La-149

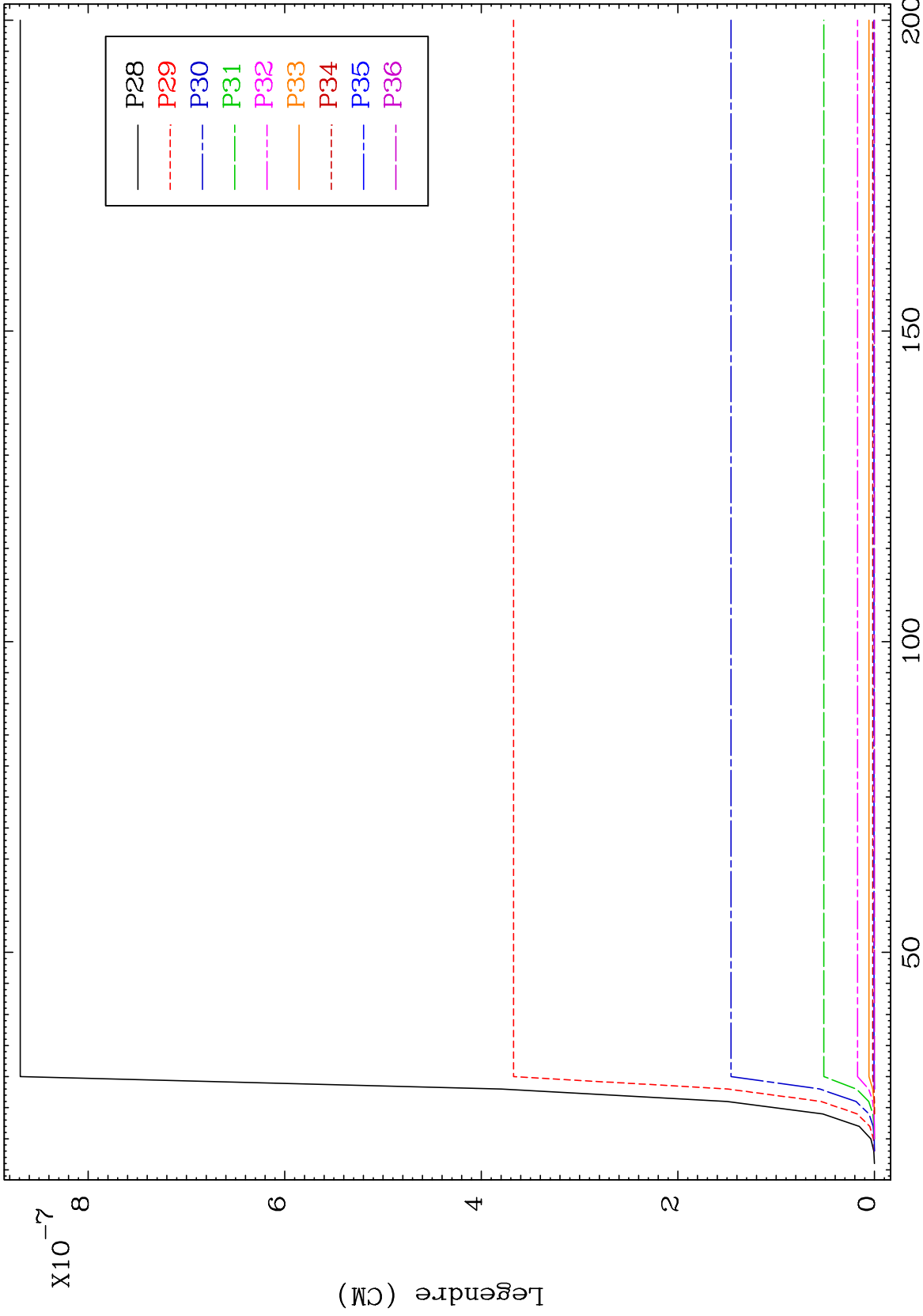
Incident Energy (MeV)

73

MAT 5758

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

57-La-149



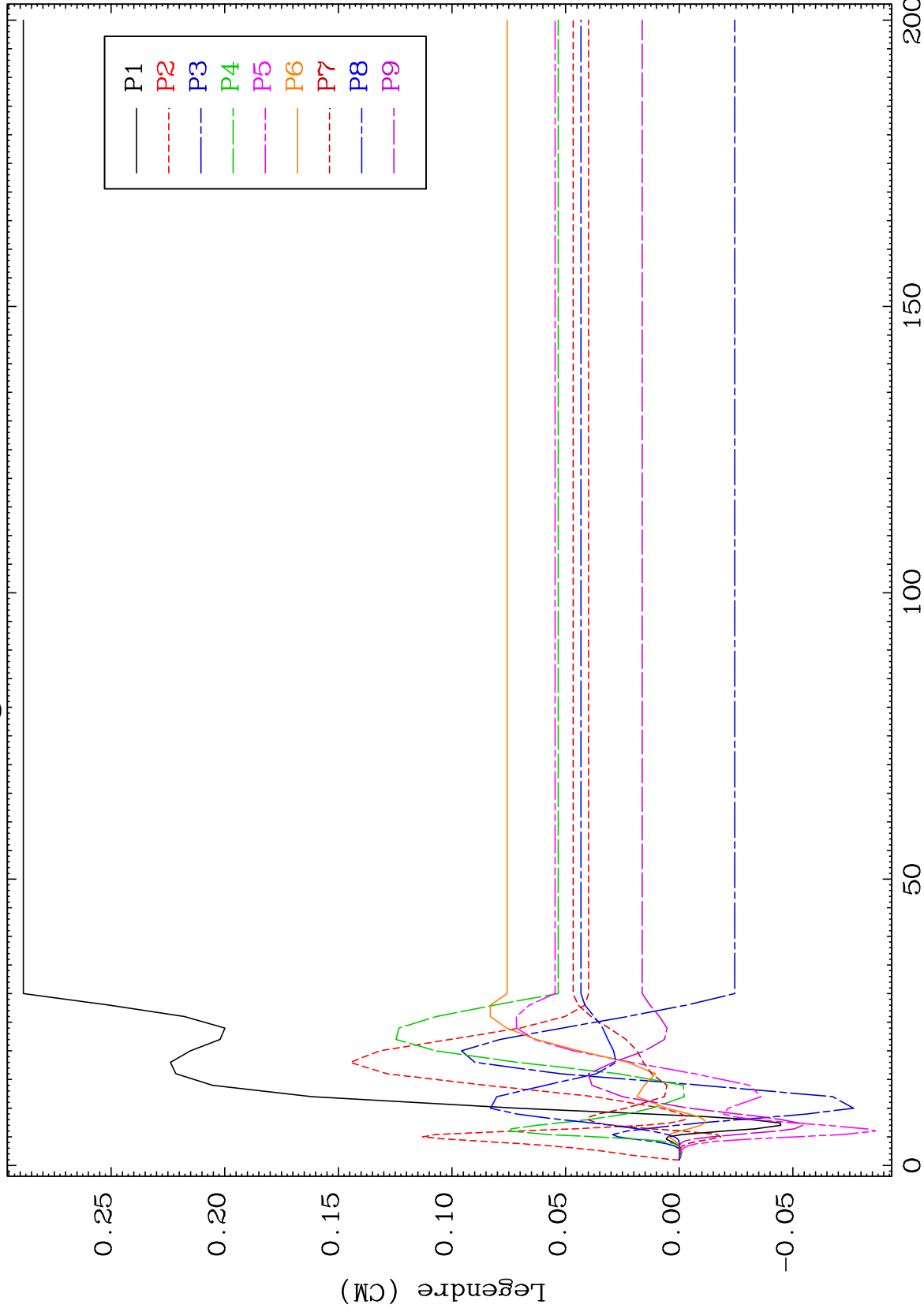
74

57-La-149

MAT 5758

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

57-La-149



57-La-149

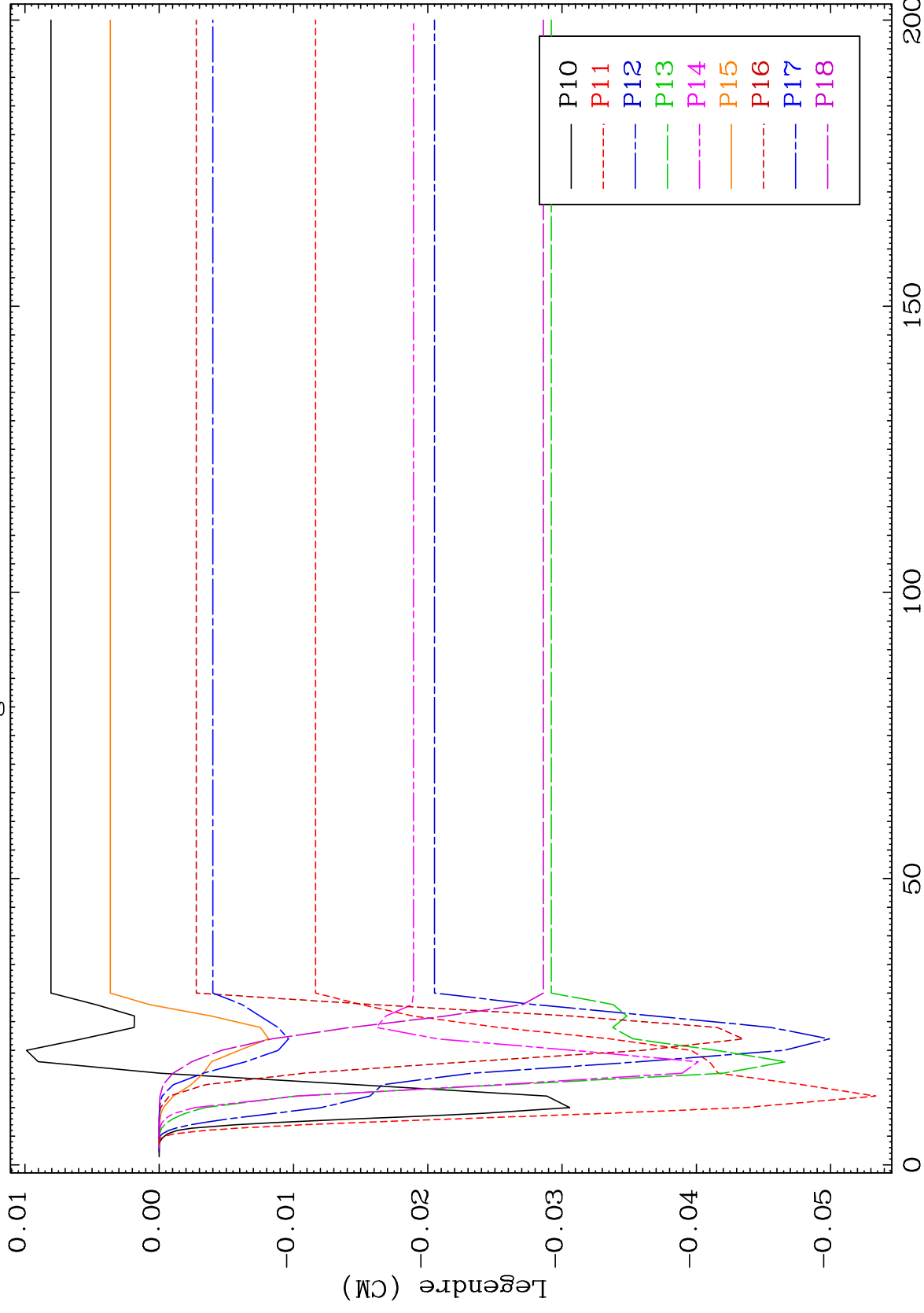
Incident Energy (MeV)

75

MAT 5758

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

57-La-149



76

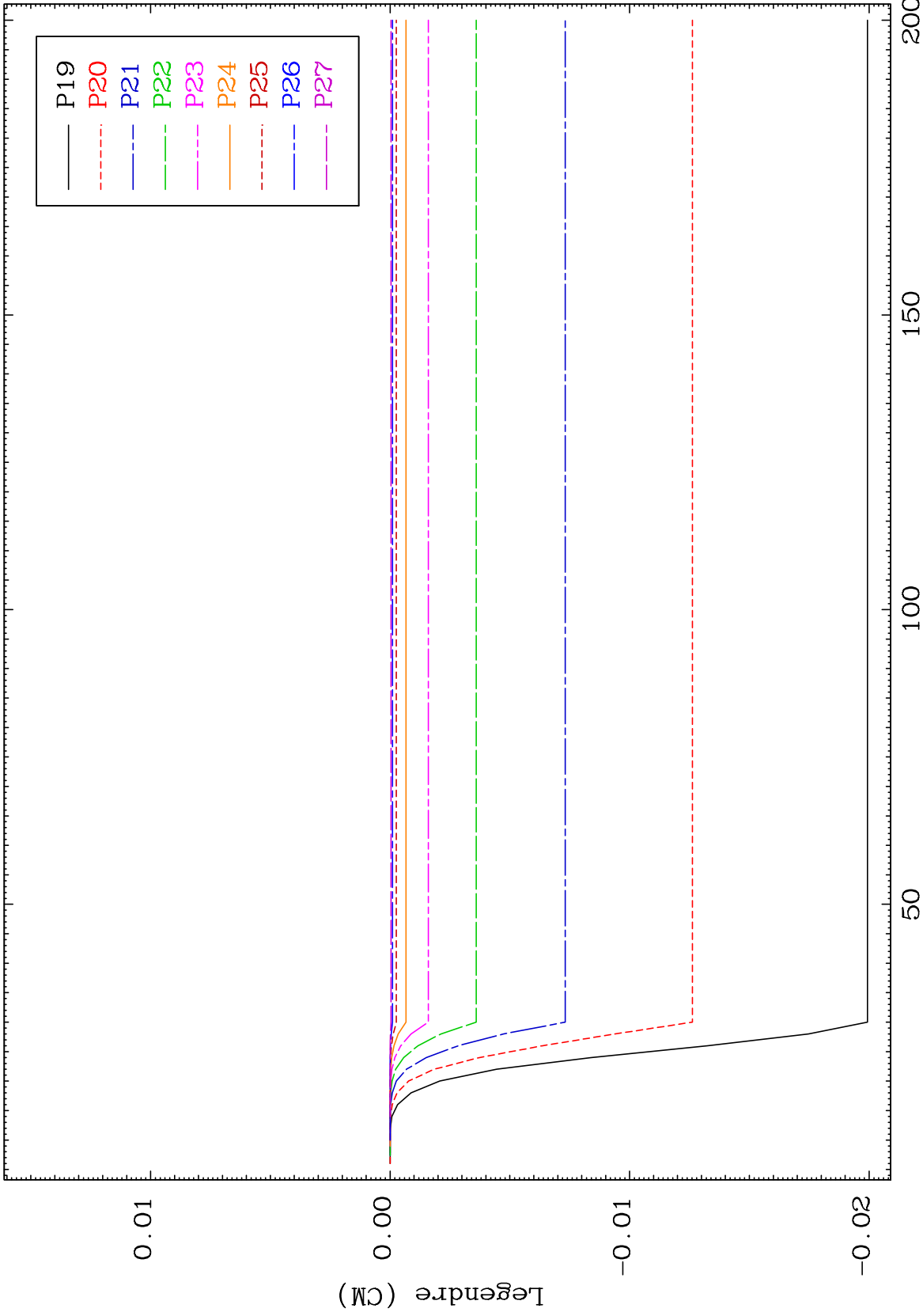
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



77

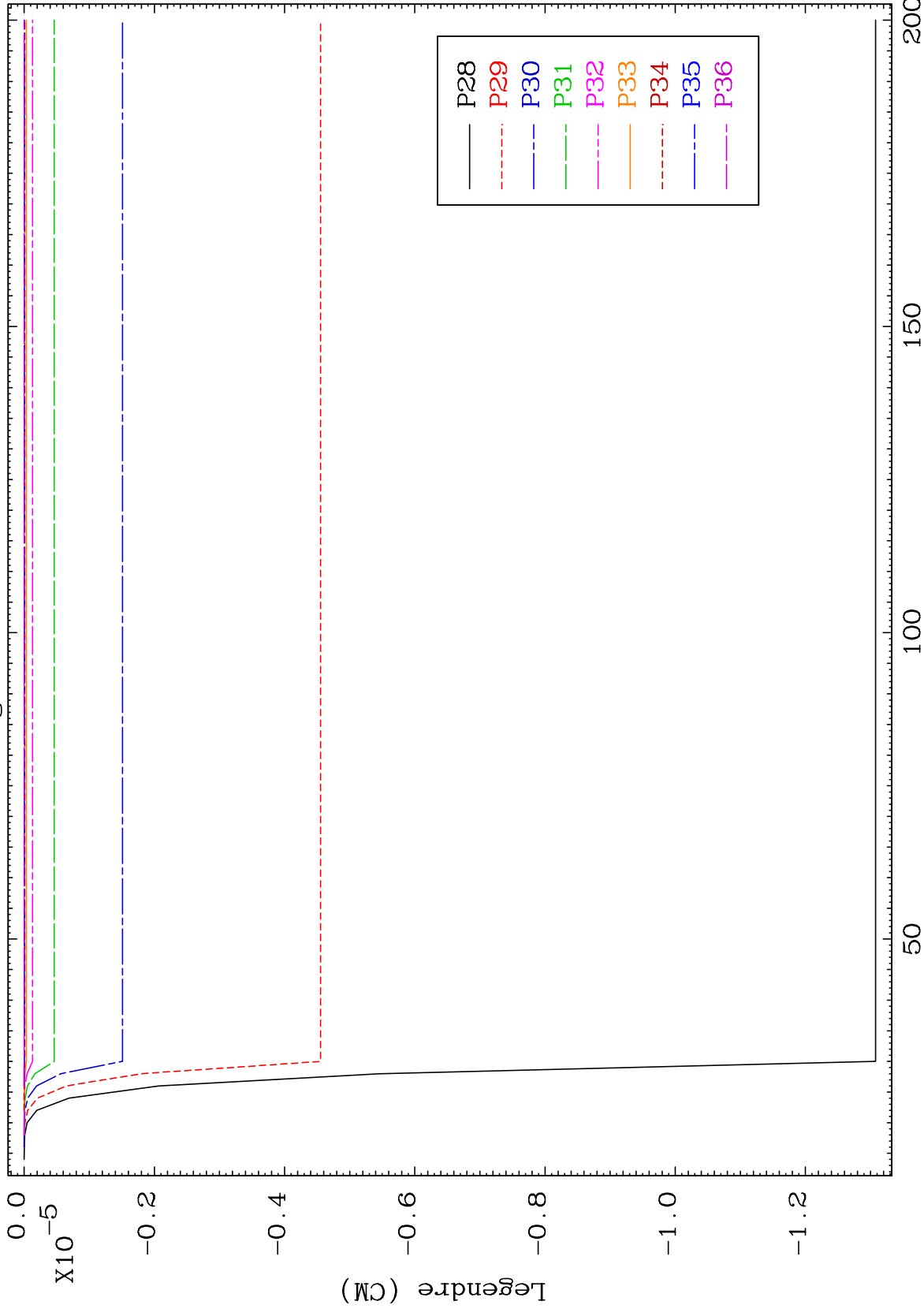
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



57-La-149

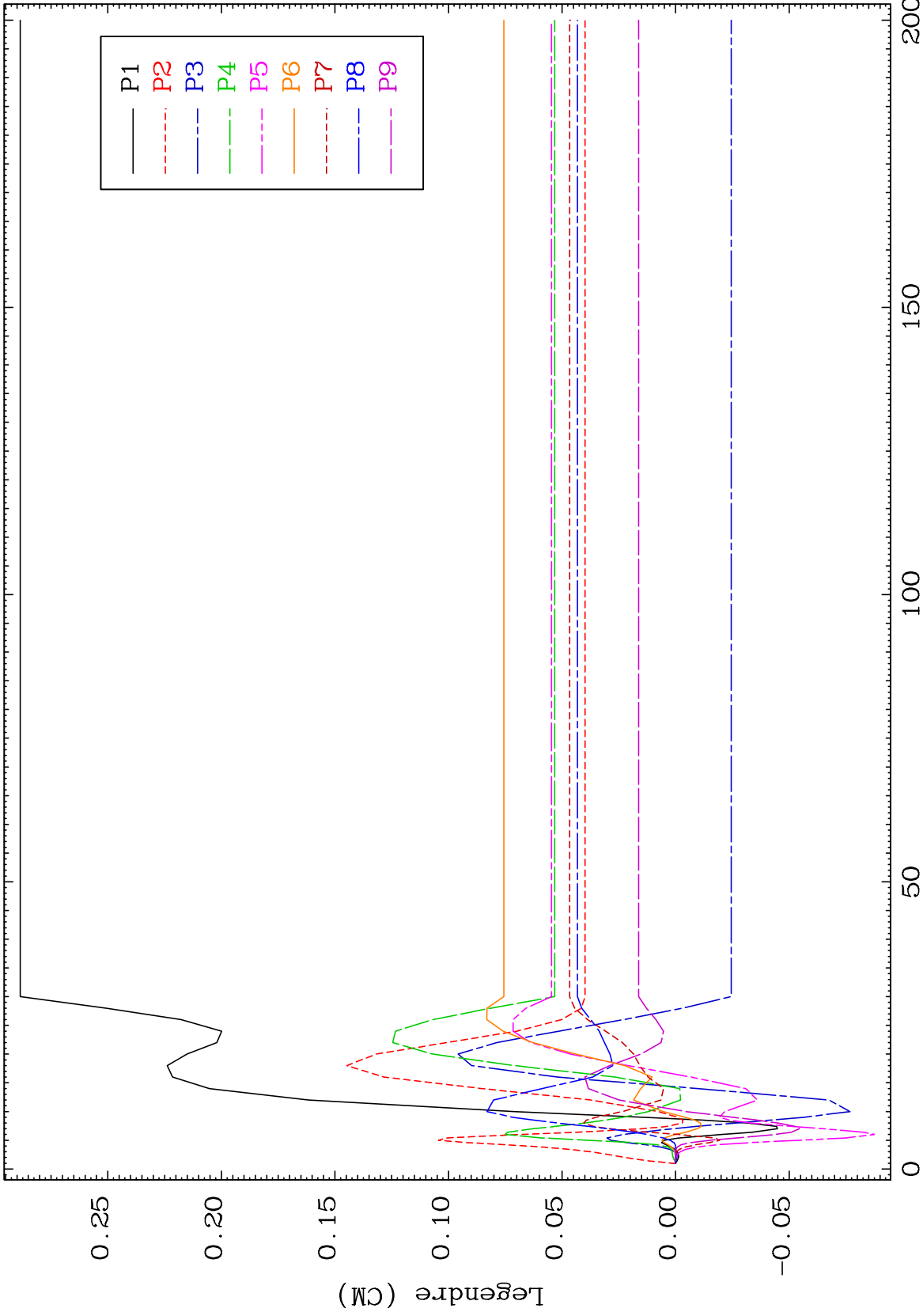
Incident Energy (MeV)

78

MAT 5758

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

57-La-149



79

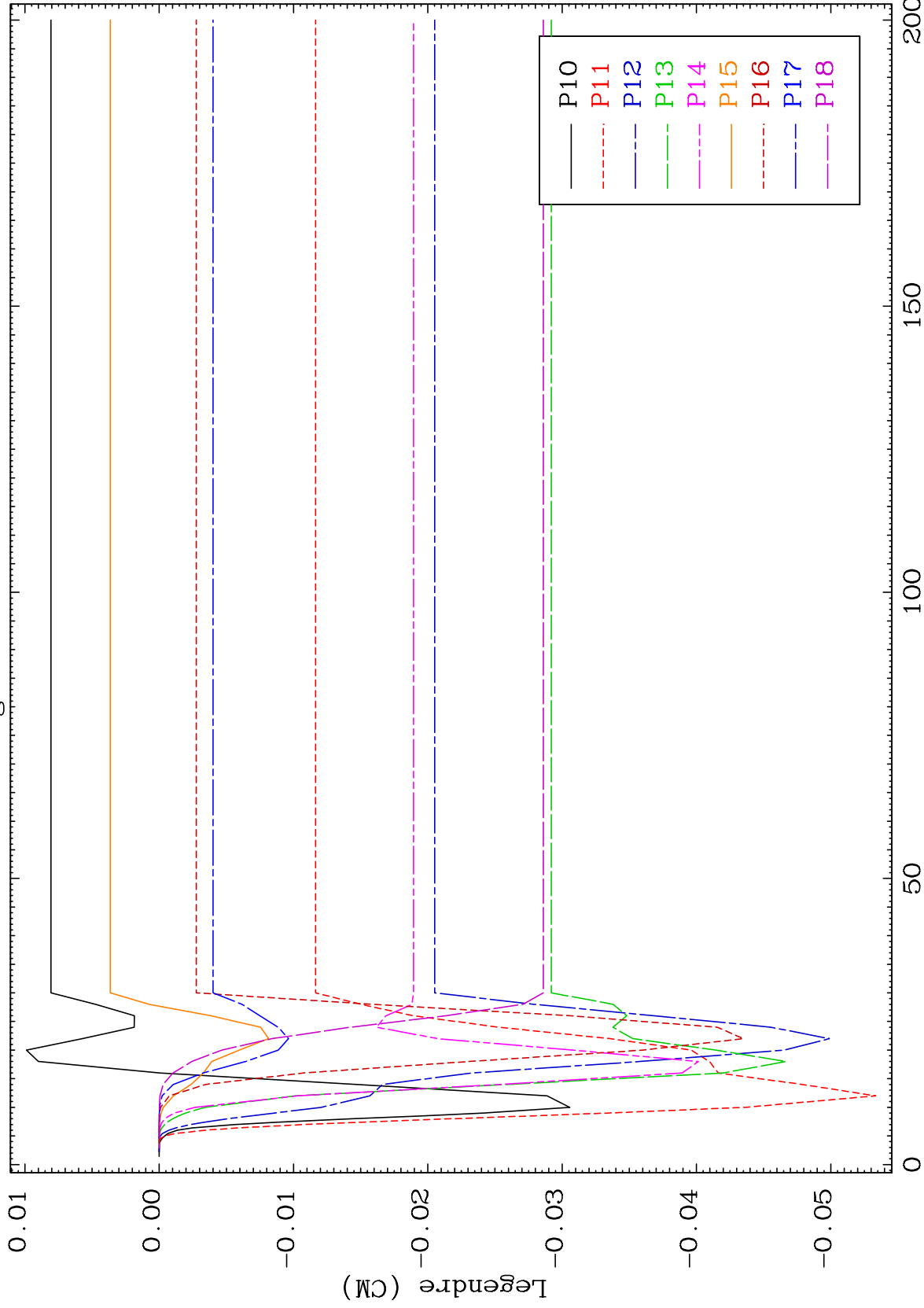
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



80

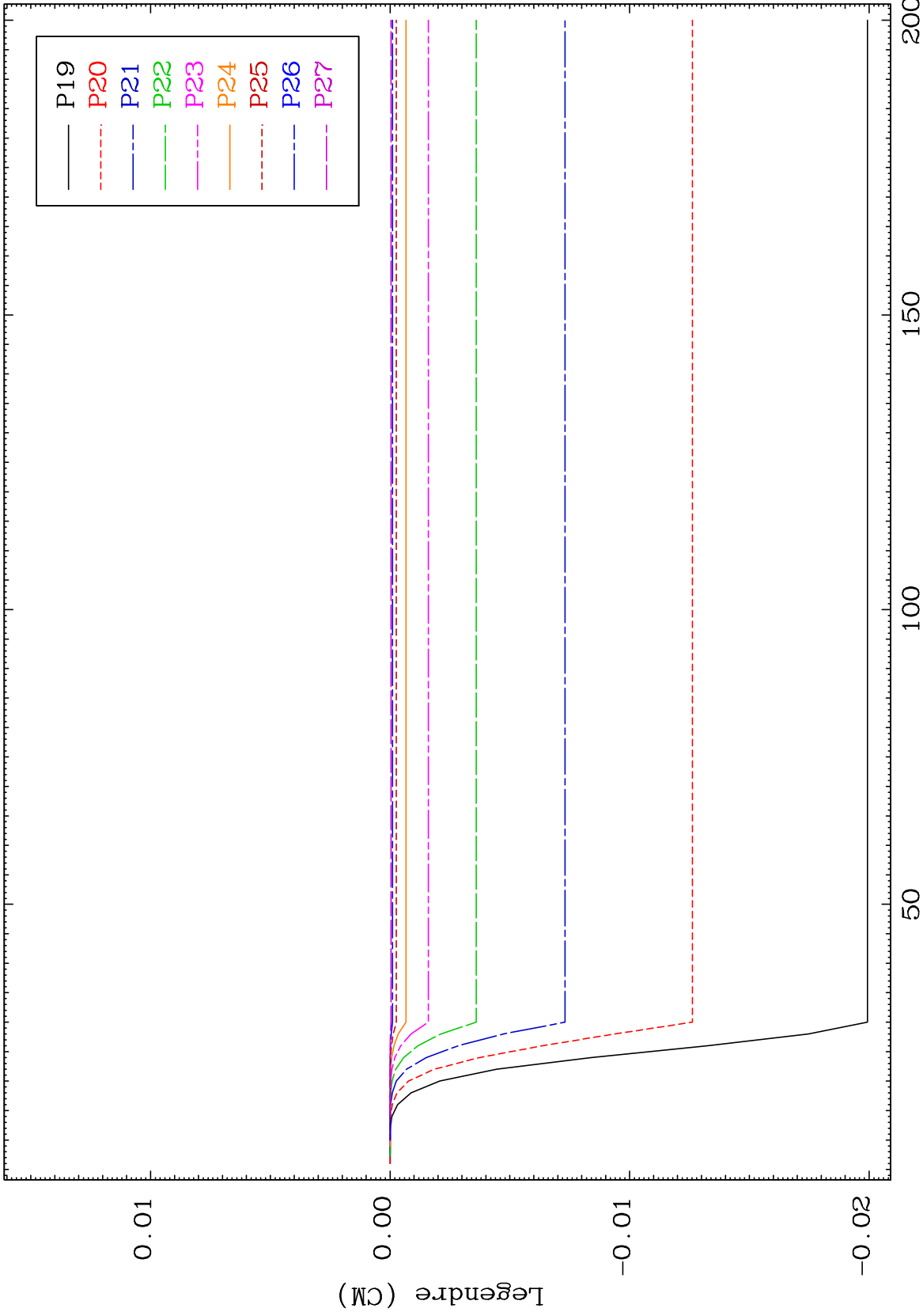
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



81

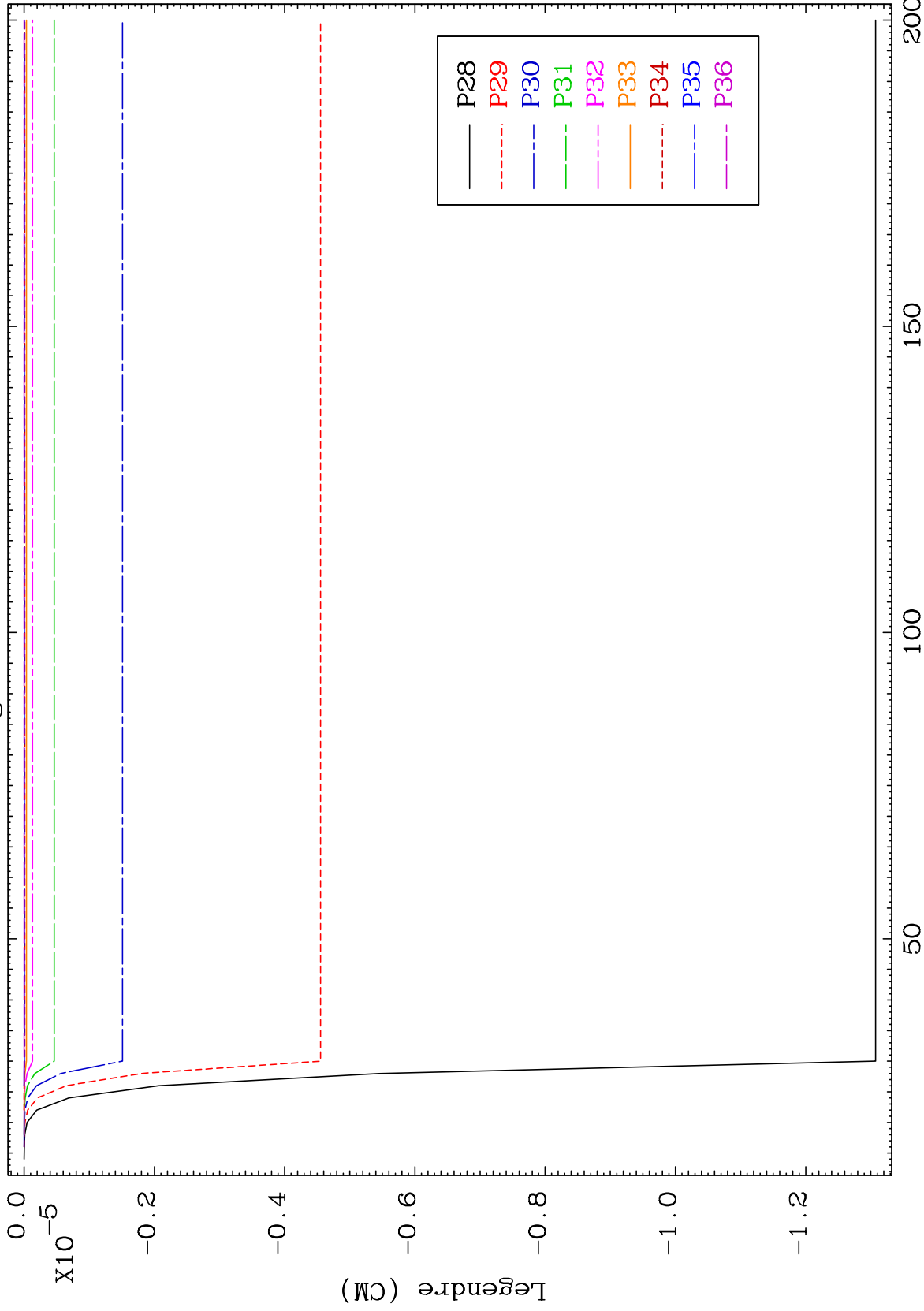
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



82

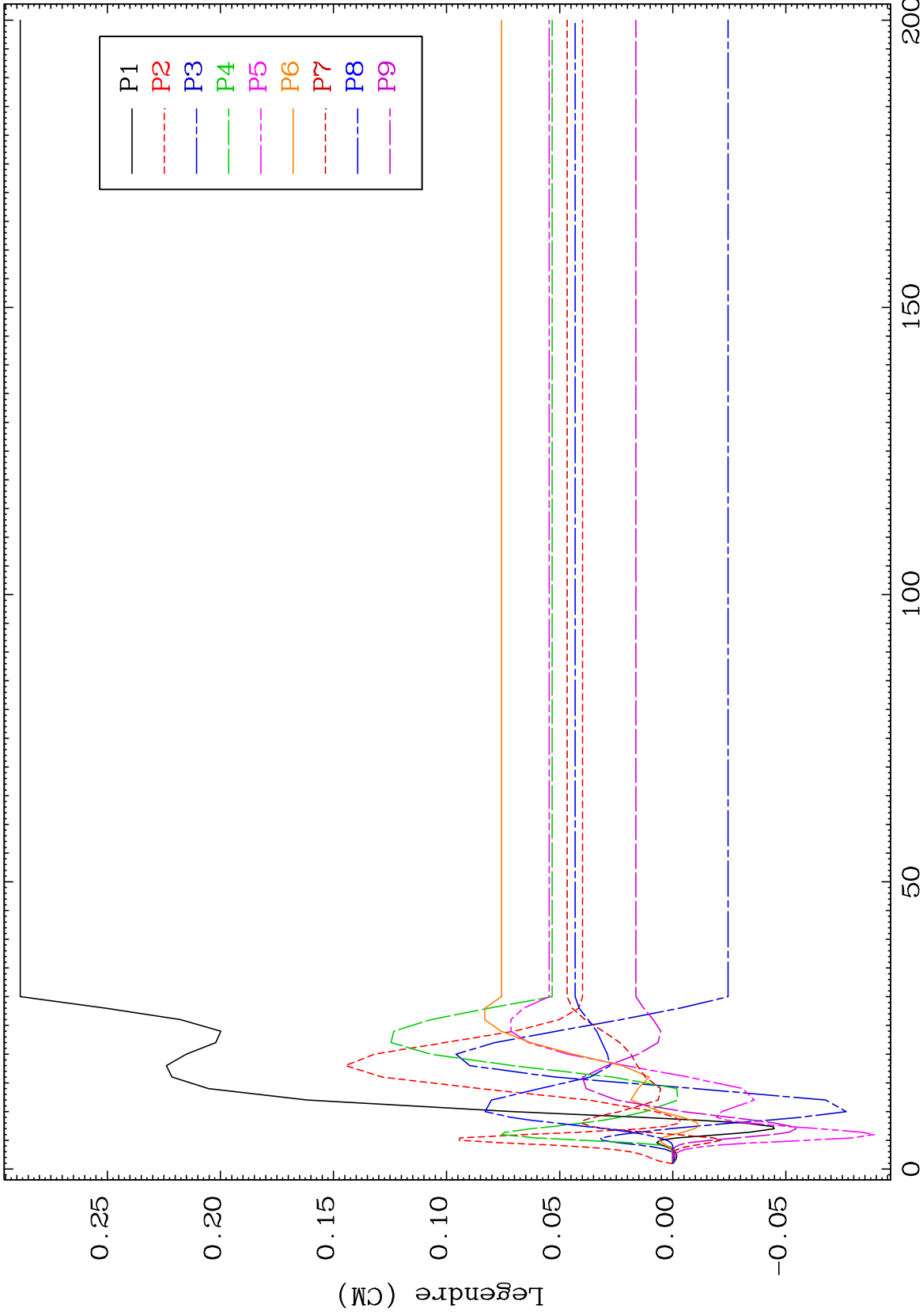
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



83

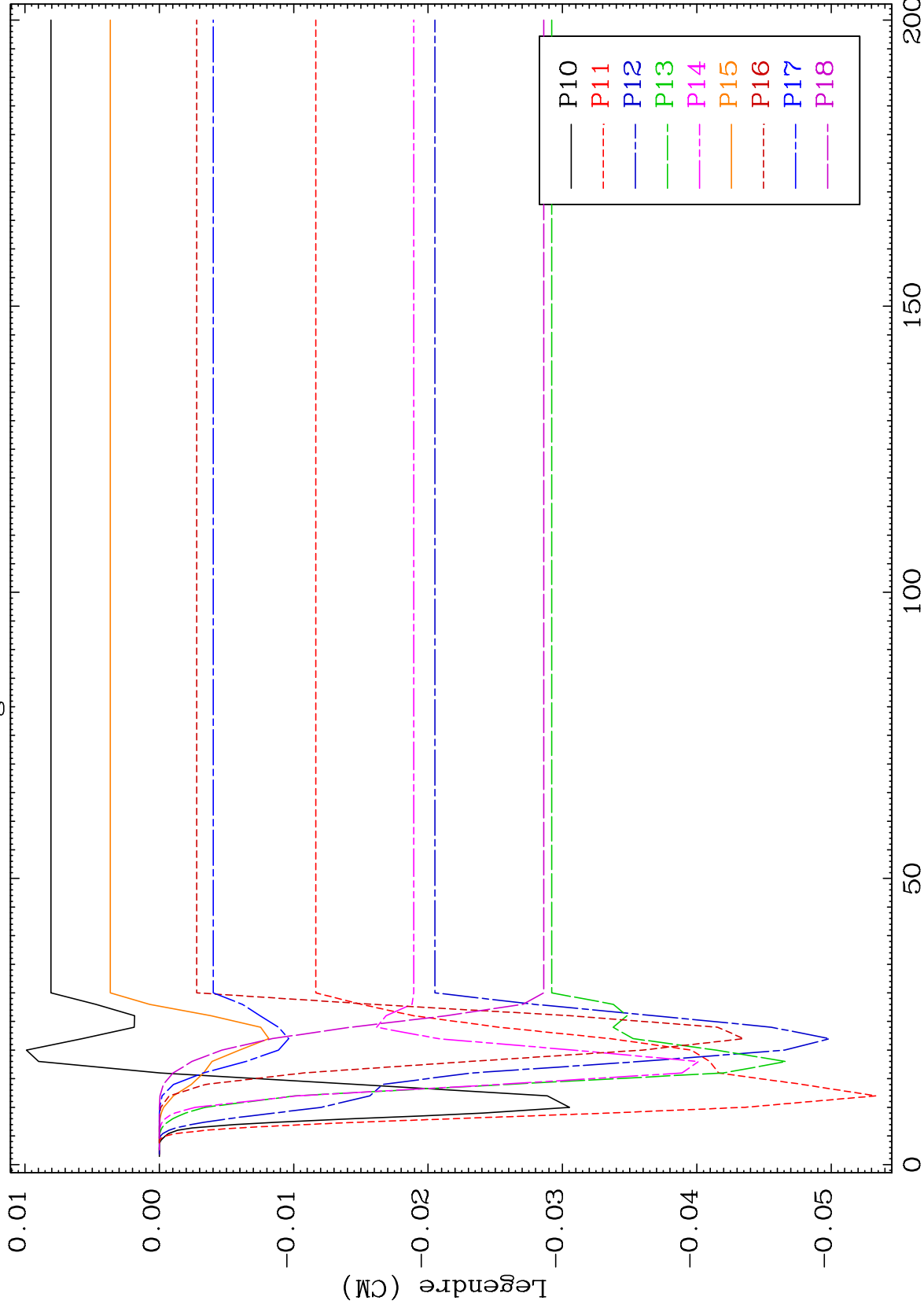
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



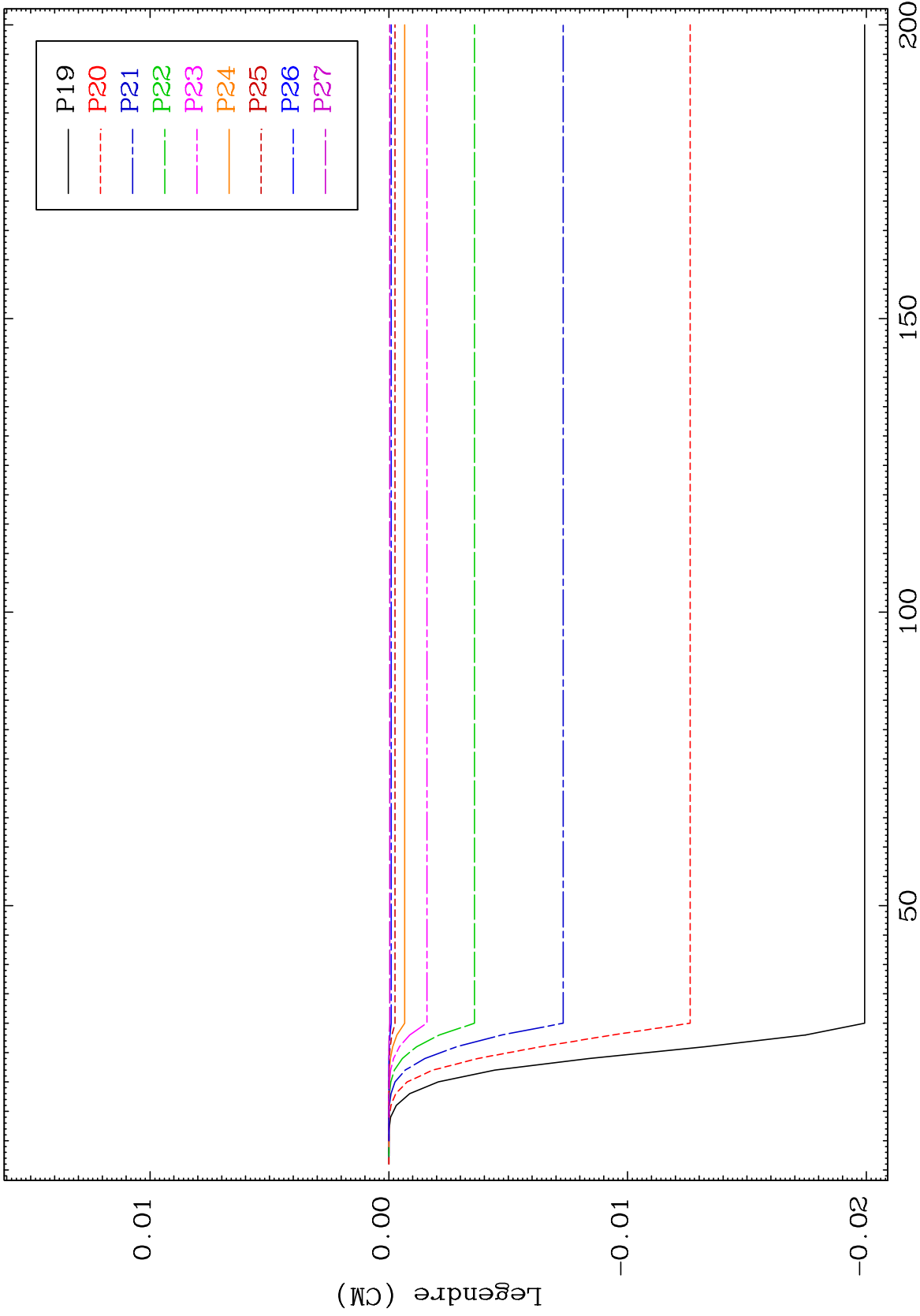
84

57-La-149

MAT 5758

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

57-La-149



85

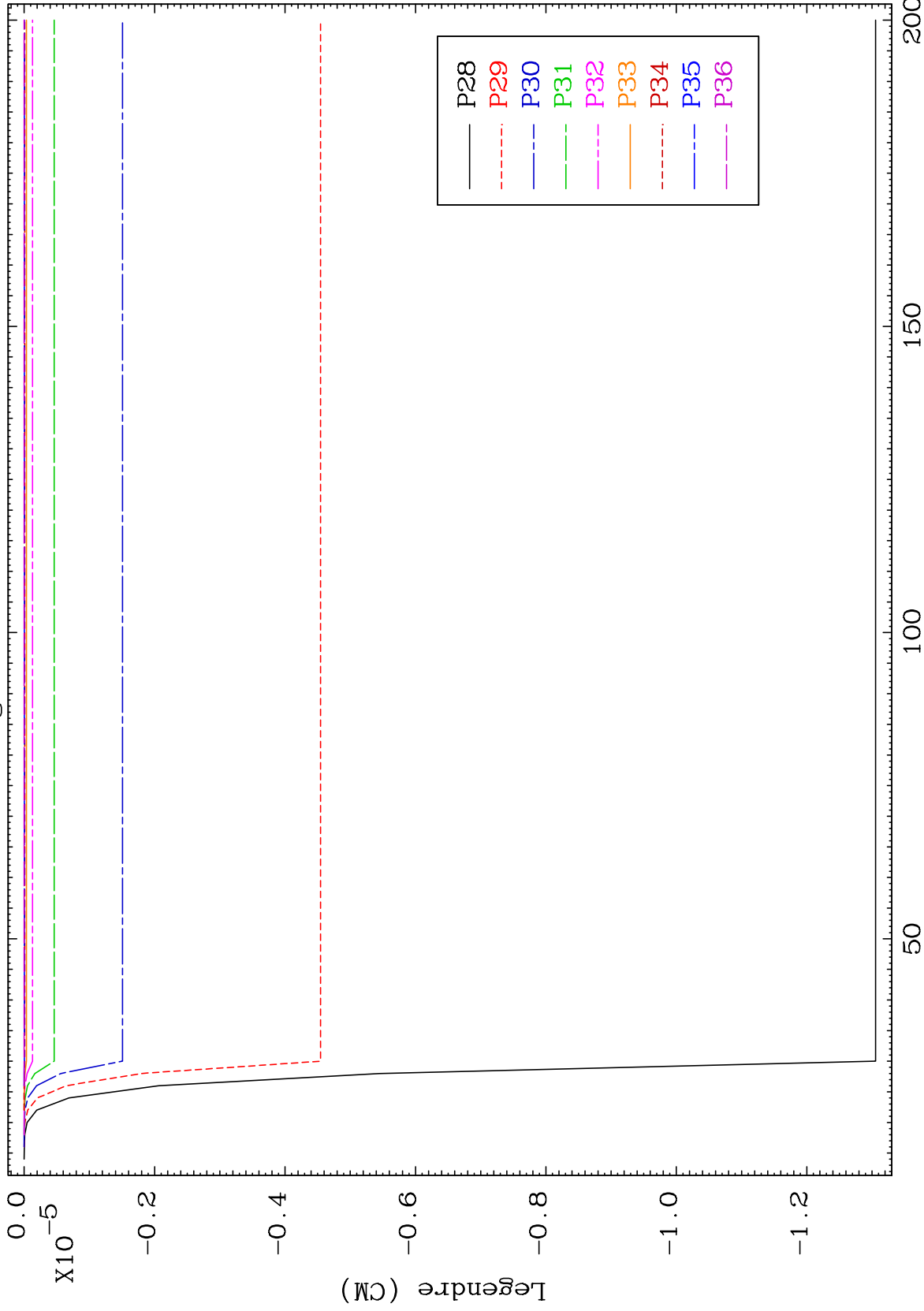
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



86

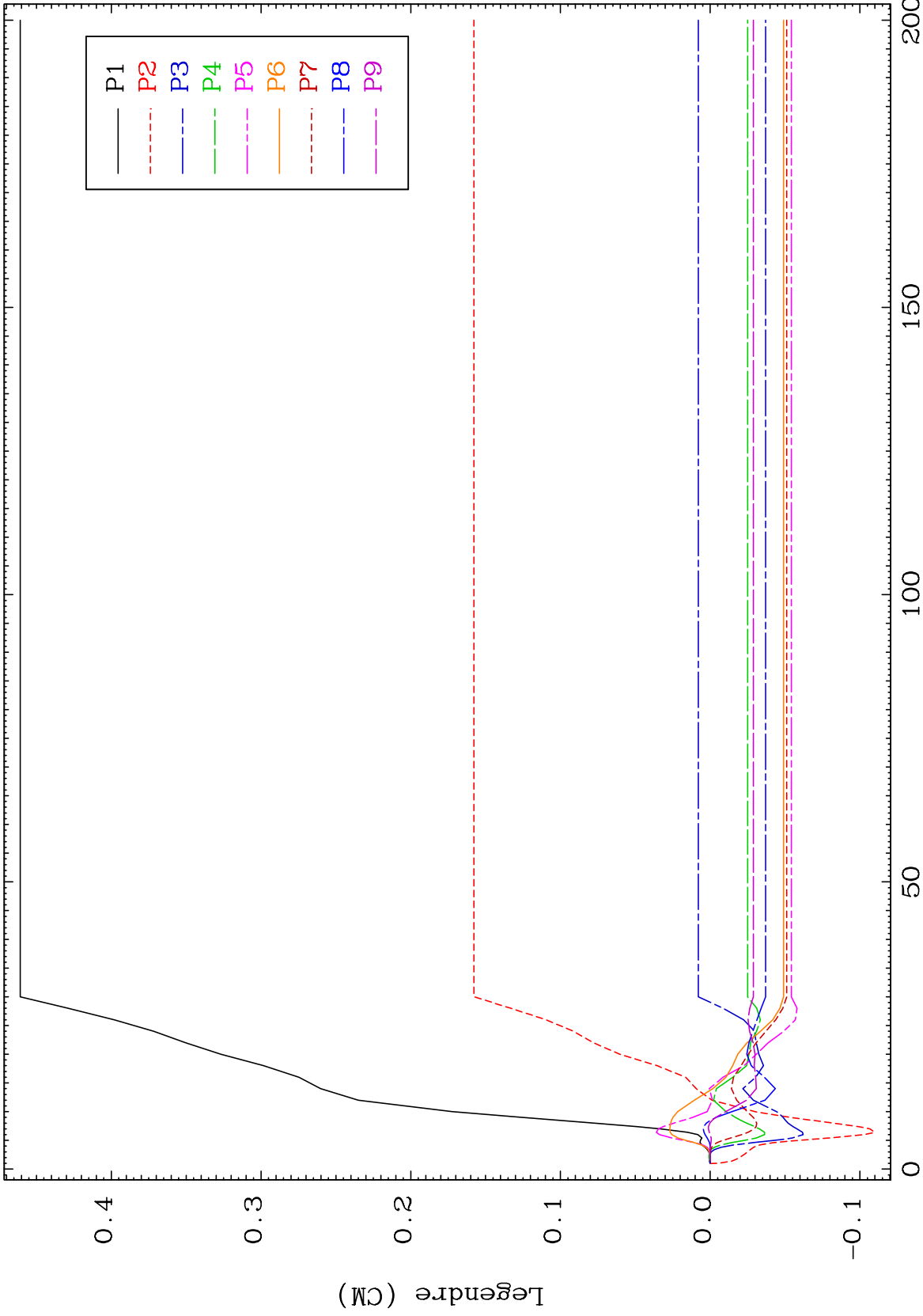
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



87

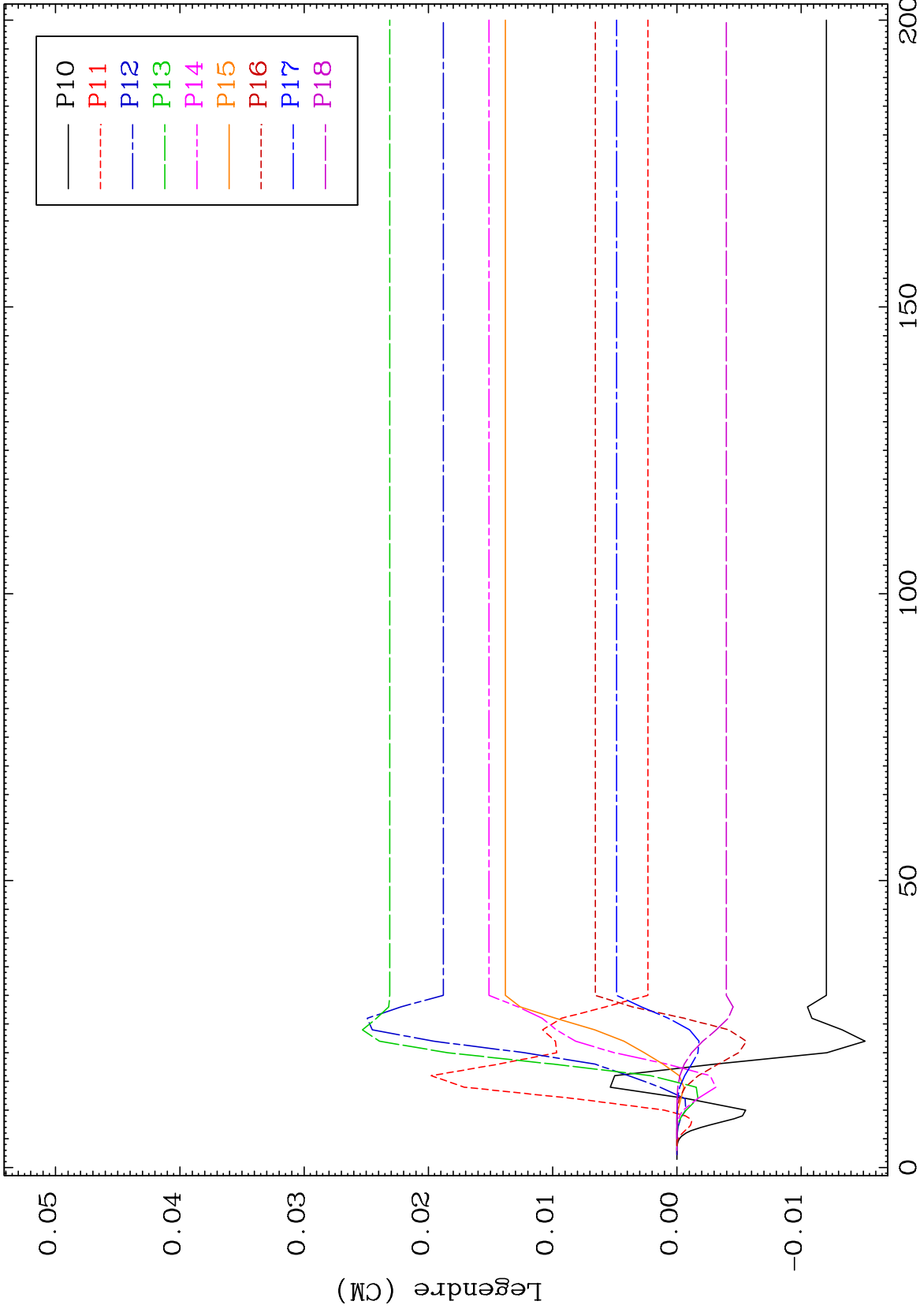
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



88

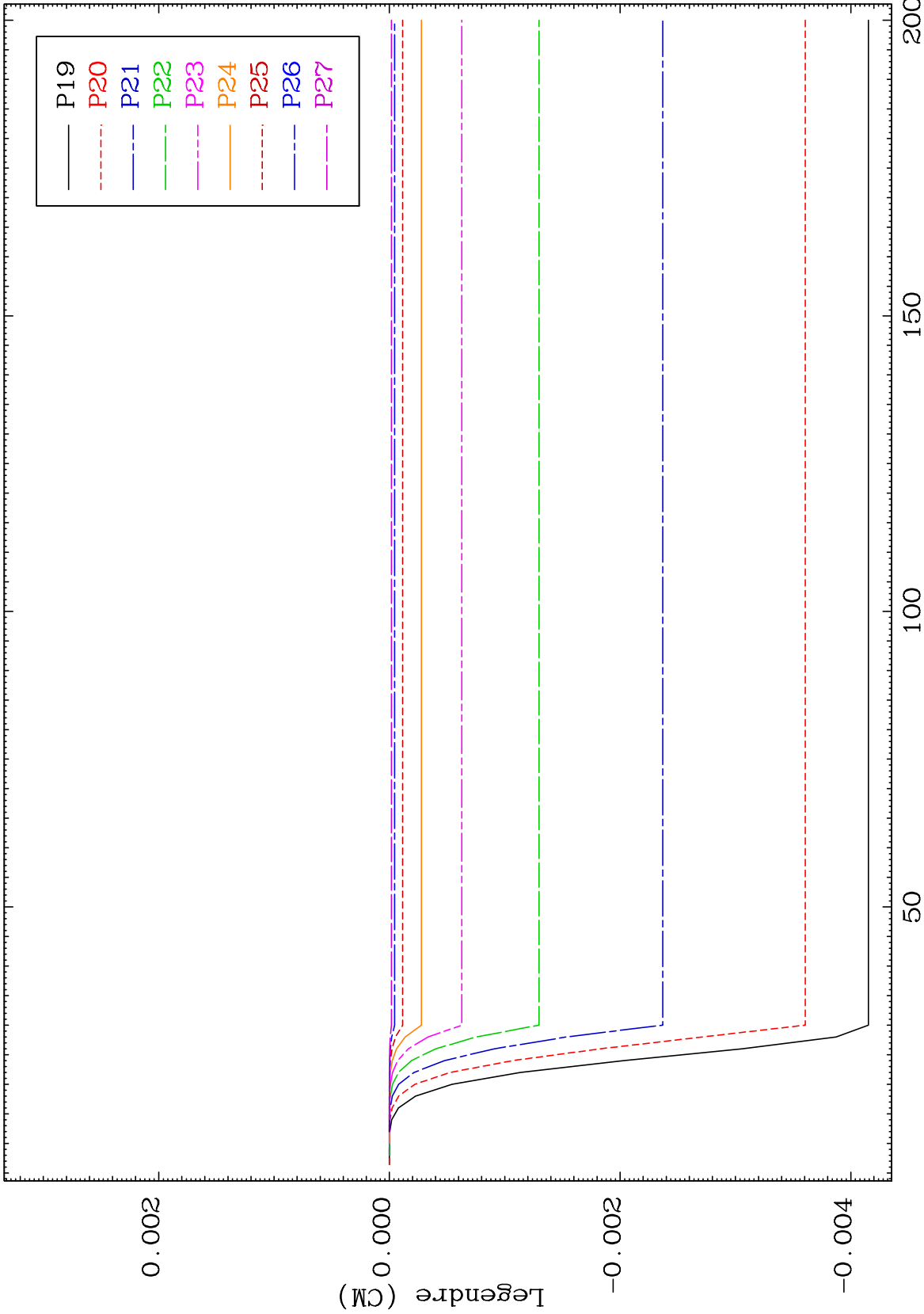
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



89

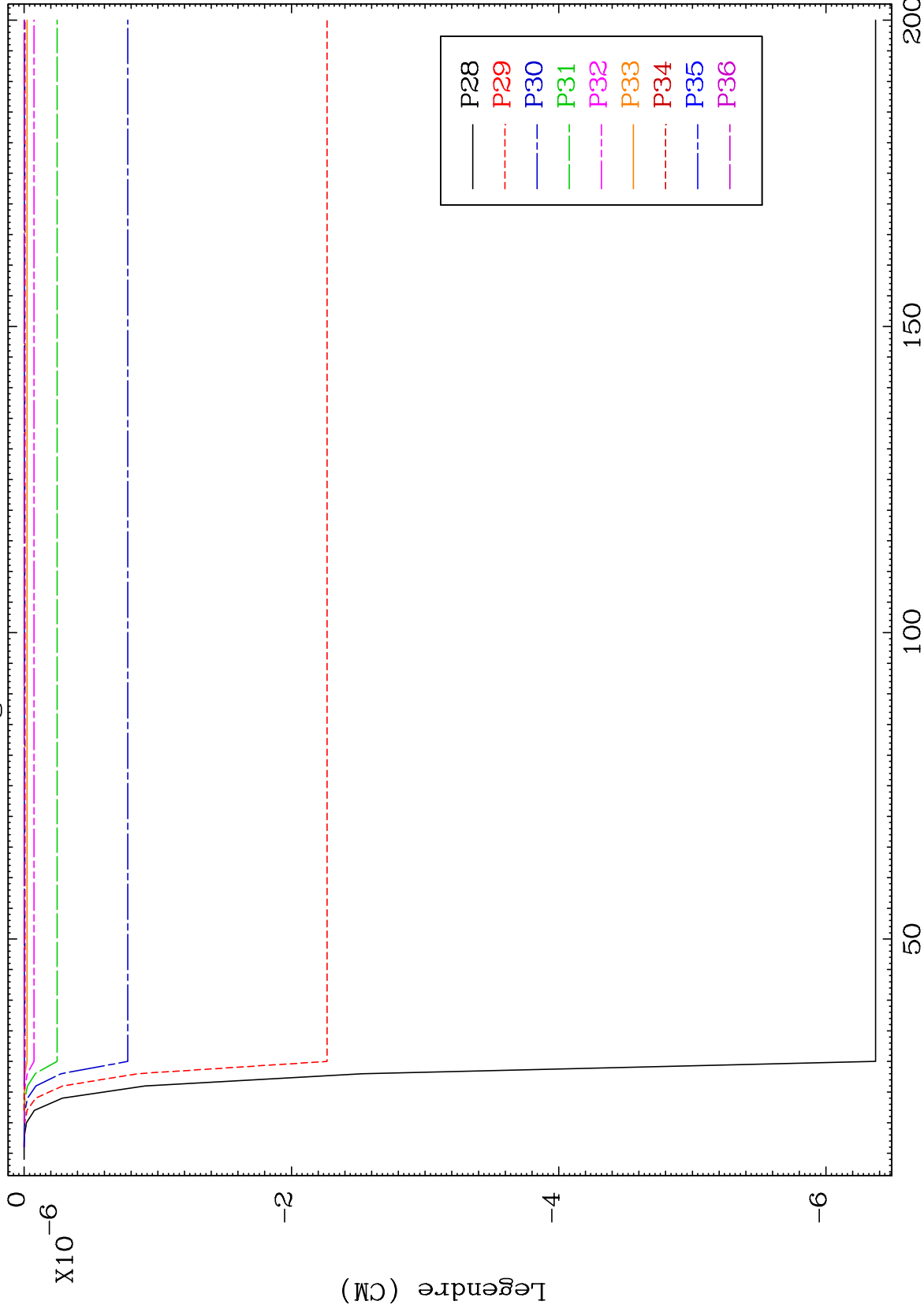
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



57-La-149

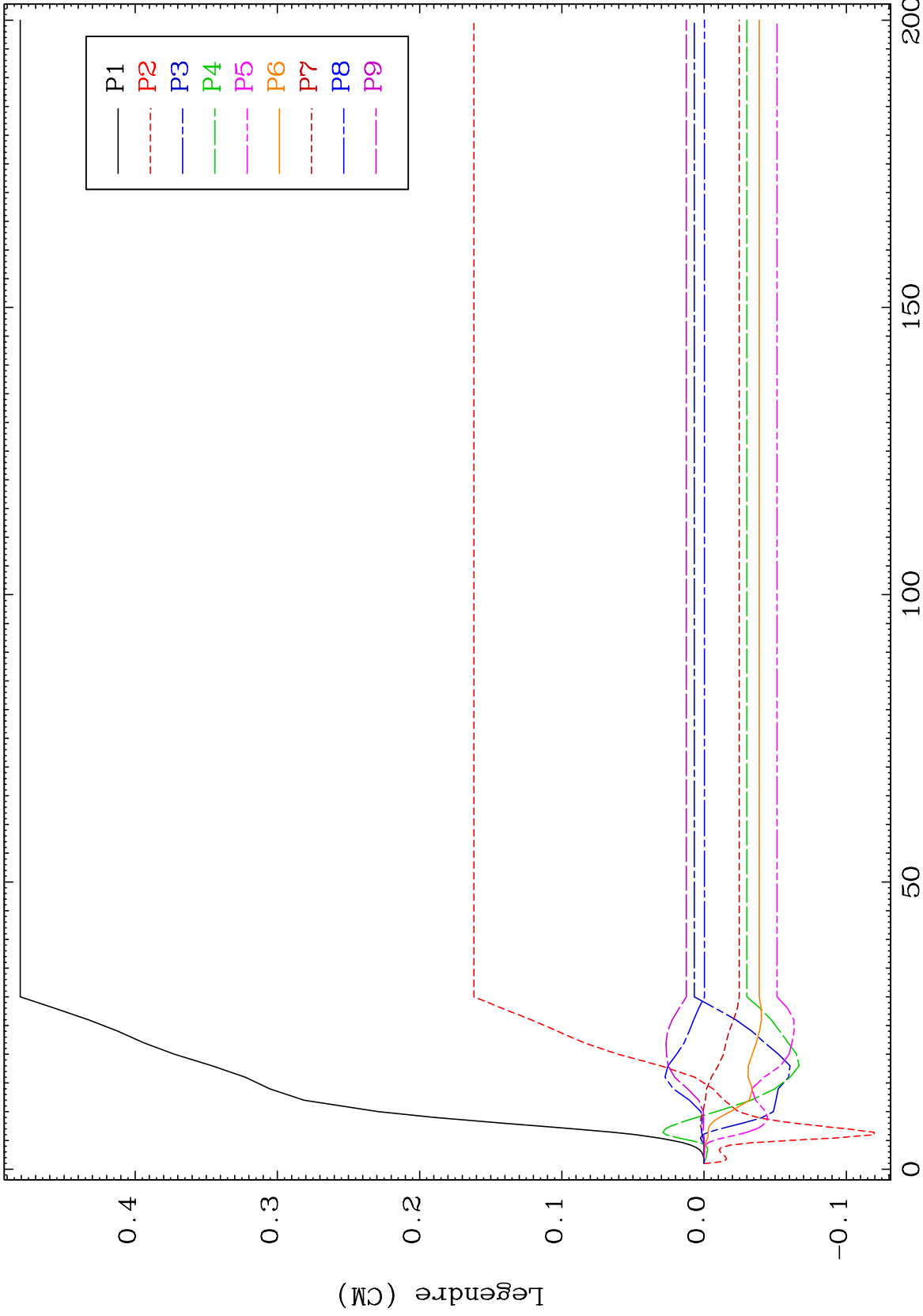
Incident Energy (MeV)

90

MAT 5758

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

57-La-149



91

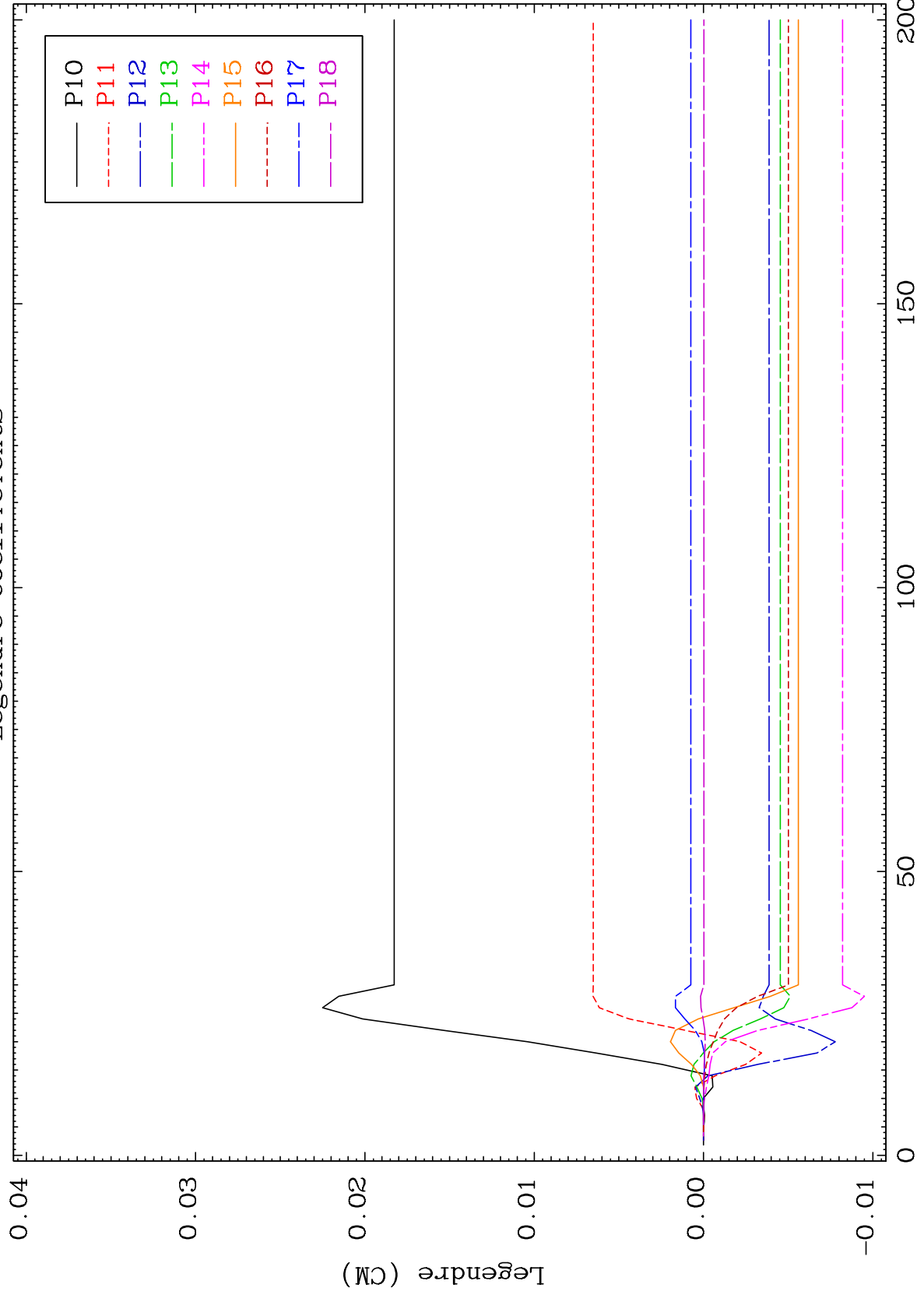
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



92

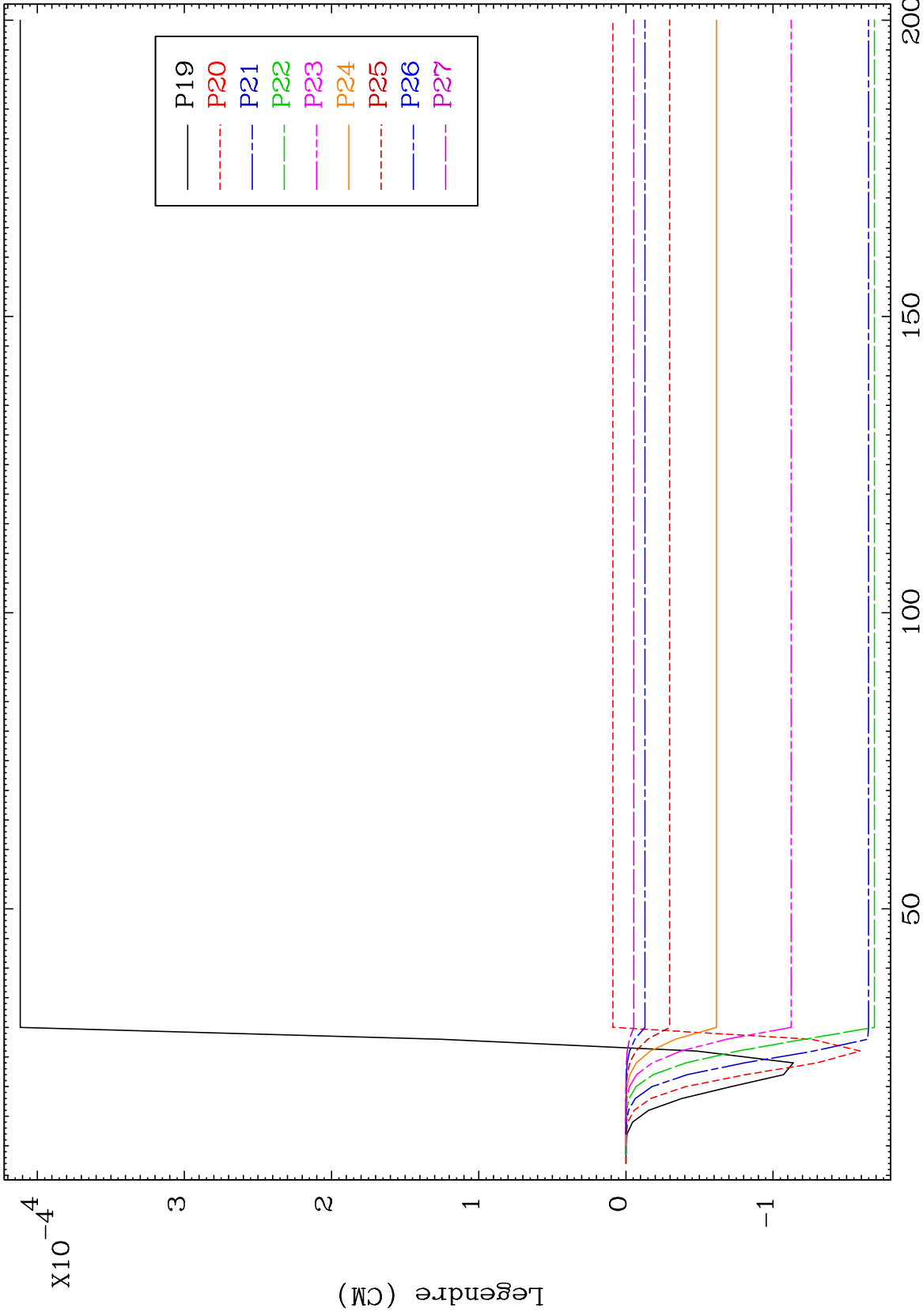
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



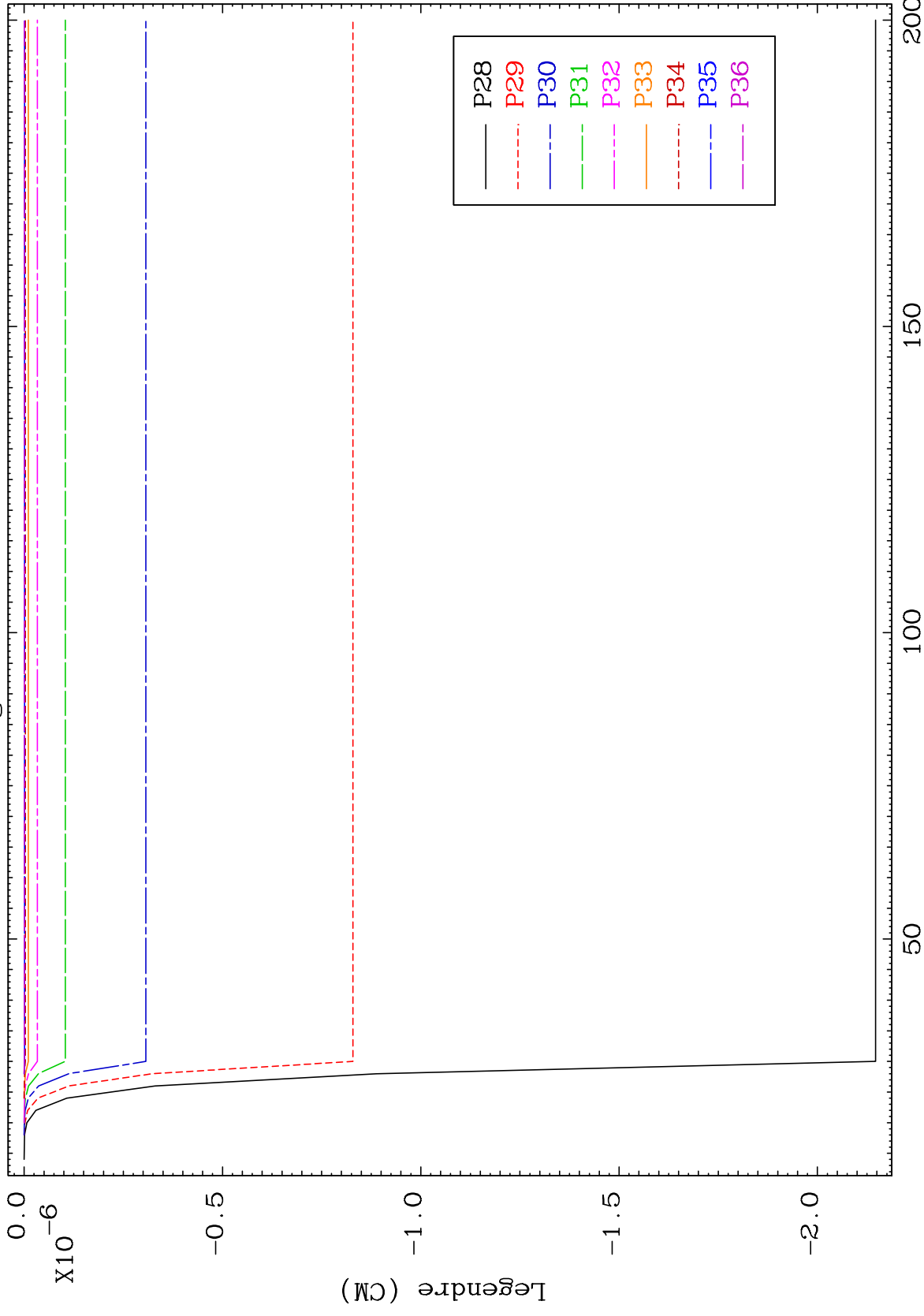
93

57-La-149

MAT 5758

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

57-La-149



57-La-149

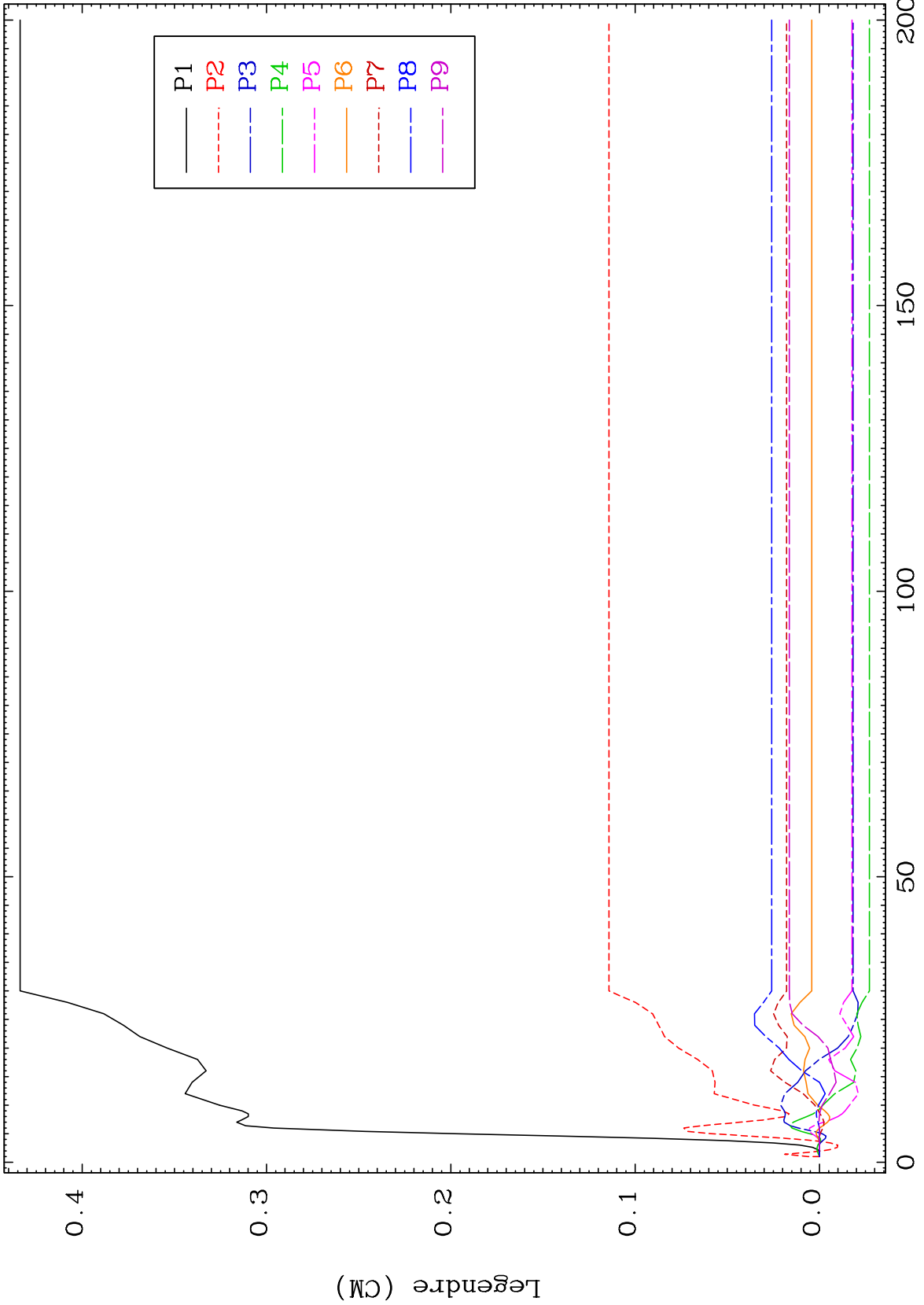
Incident Energy (MeV)

94

MAT 5758

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

57-La-149



95

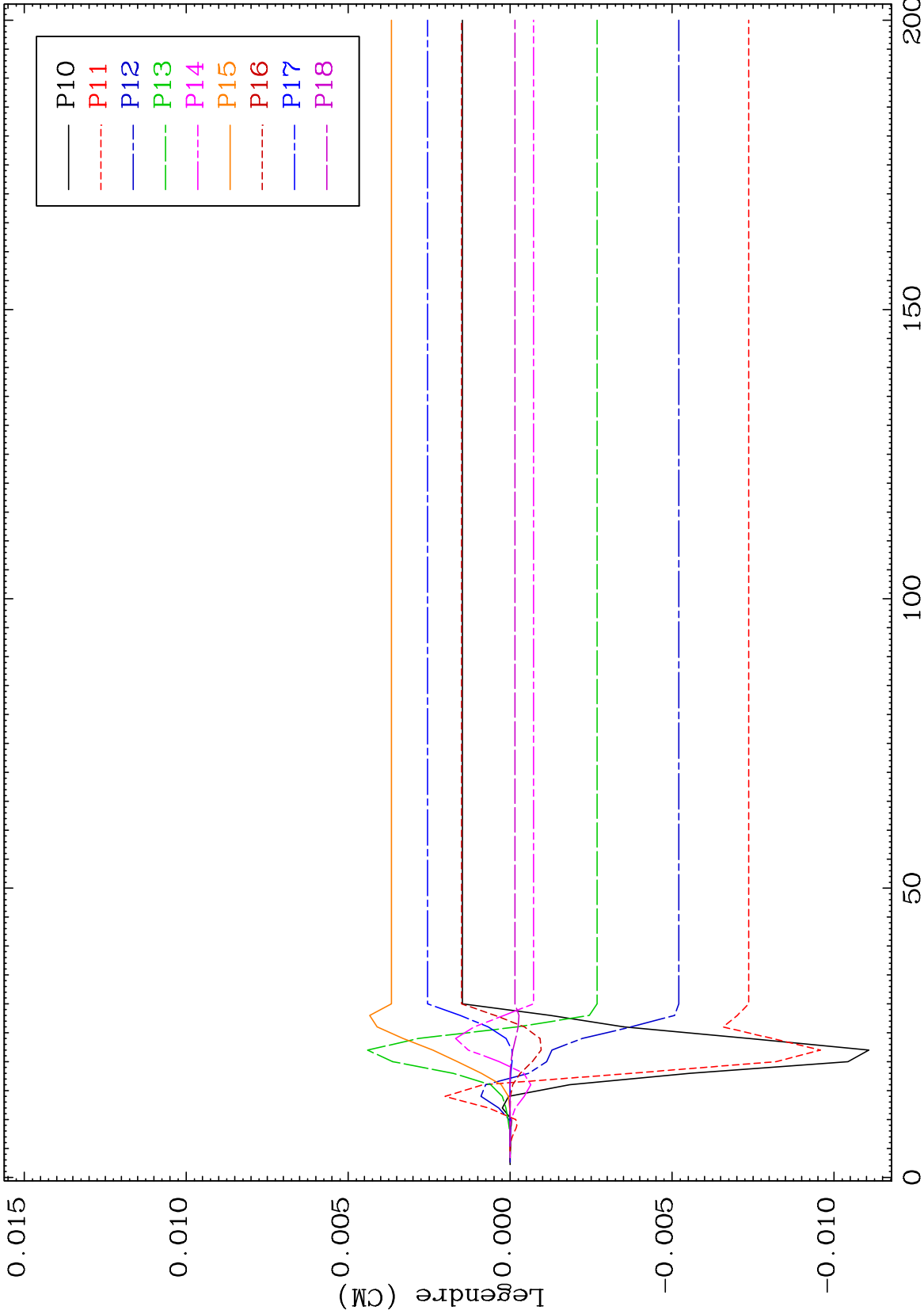
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



96

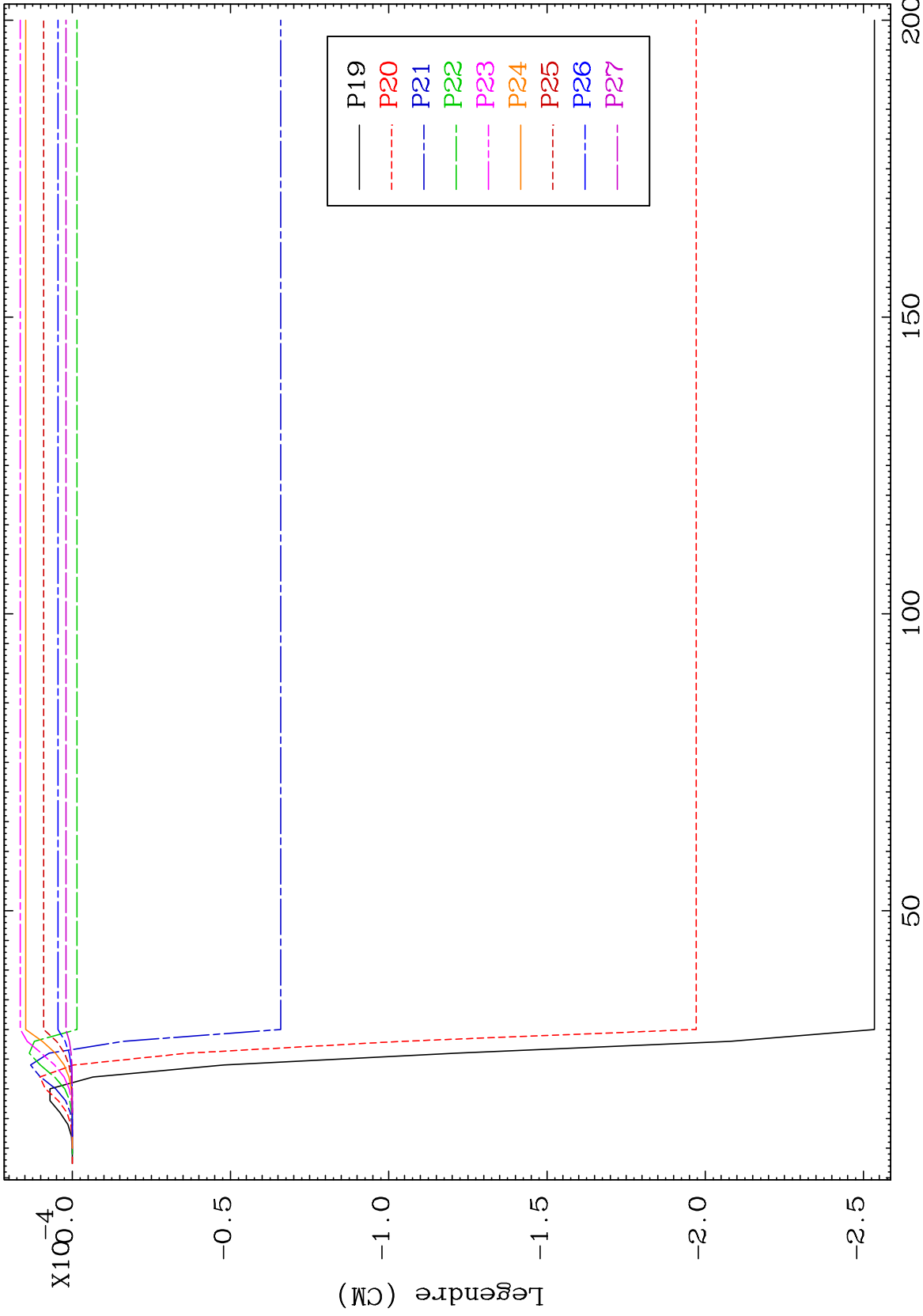
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



57-La-149

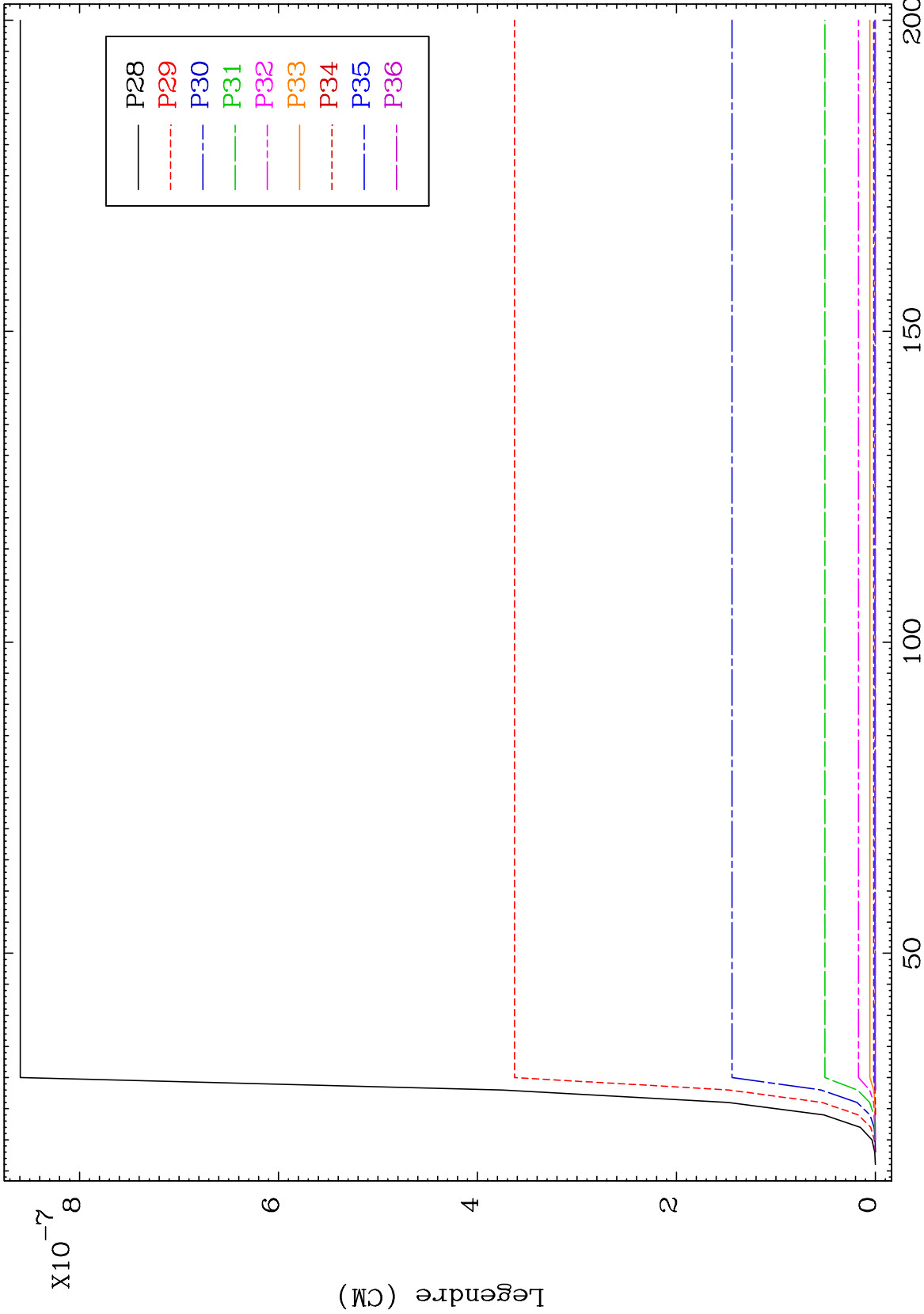
Incident Energy (MeV)

97

MAT 5758

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

57-La-149



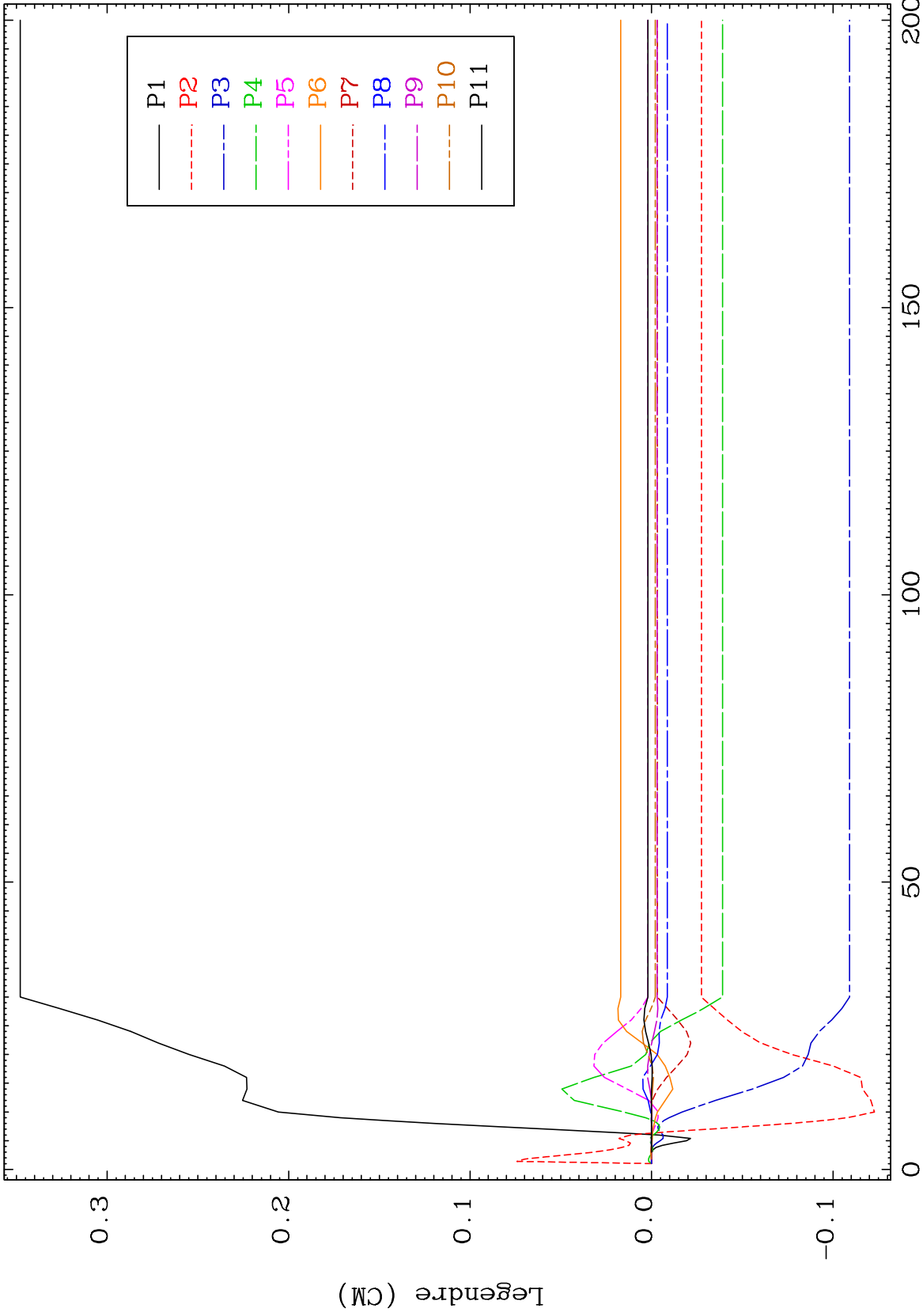
98

57-La-149

MAT 5758

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

57-La-149



99

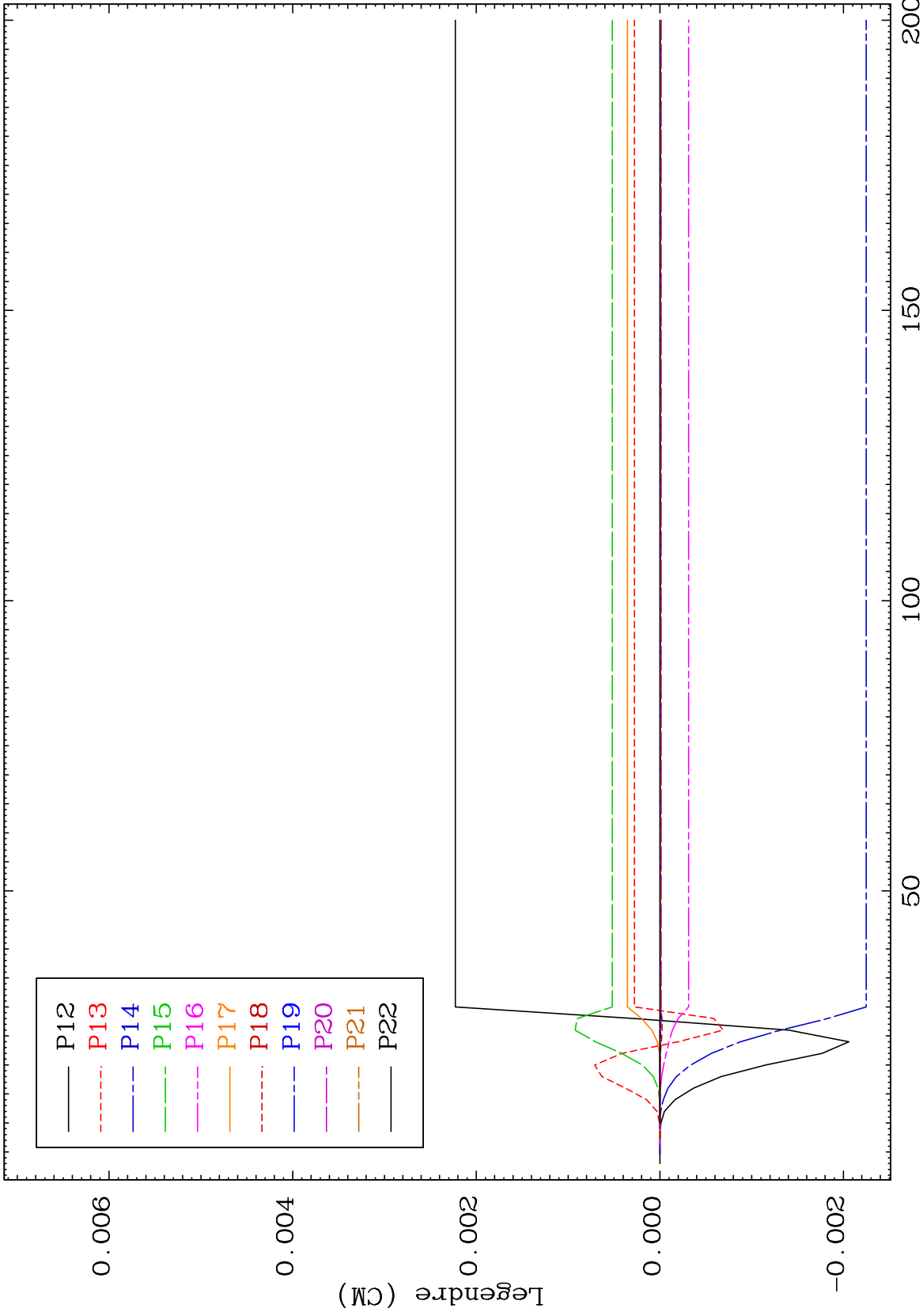
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



100

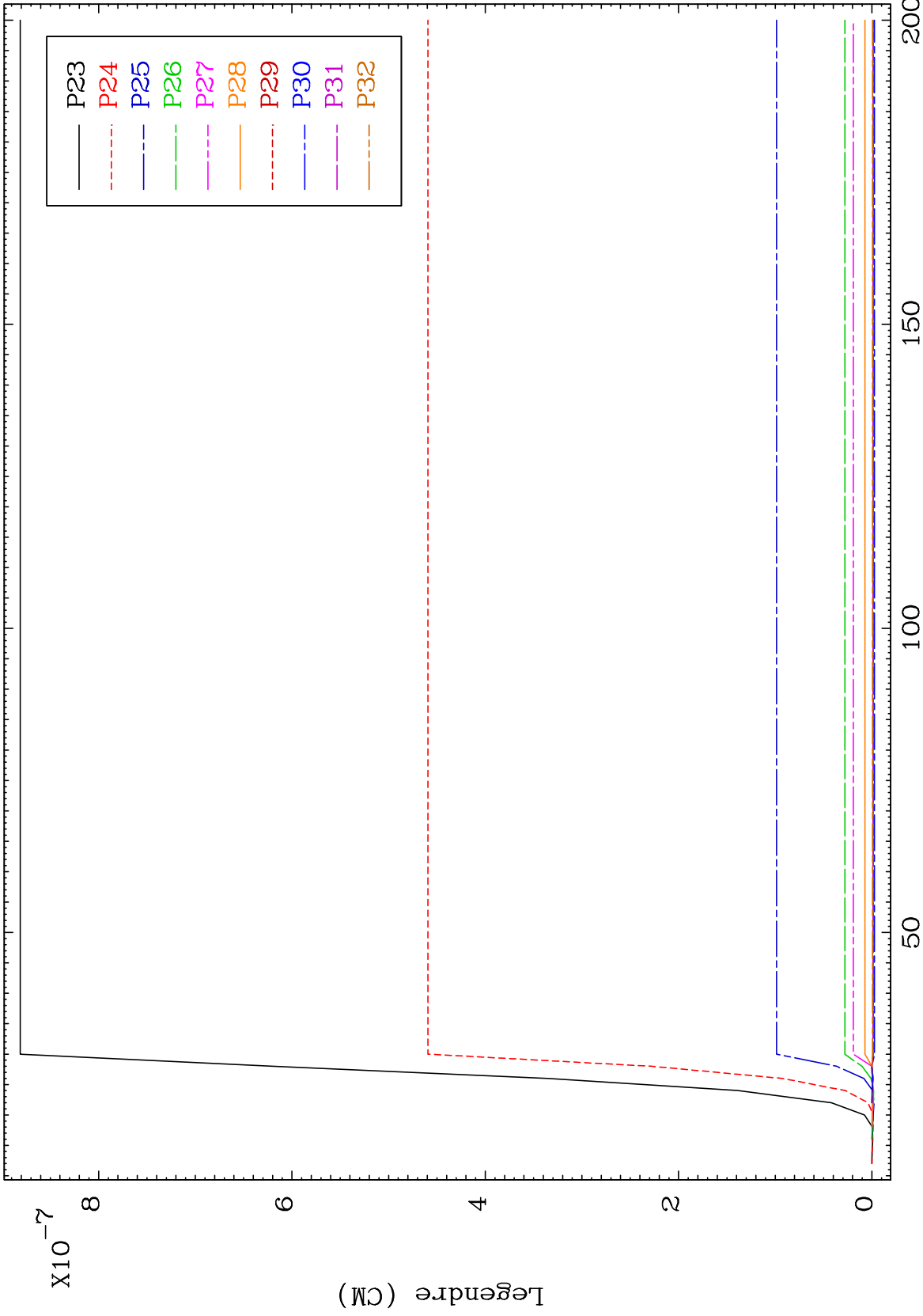
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



101

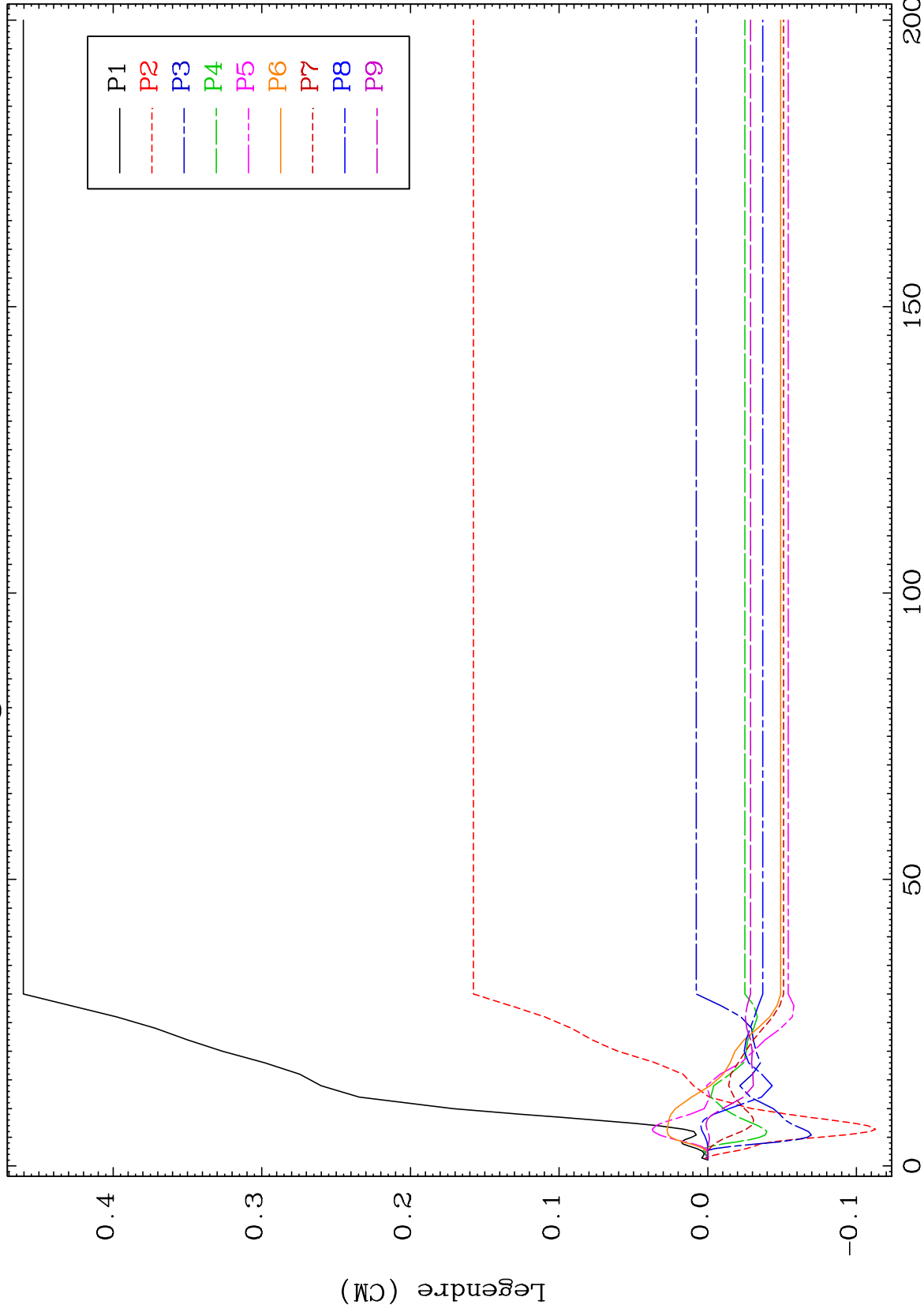
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



57-La-149

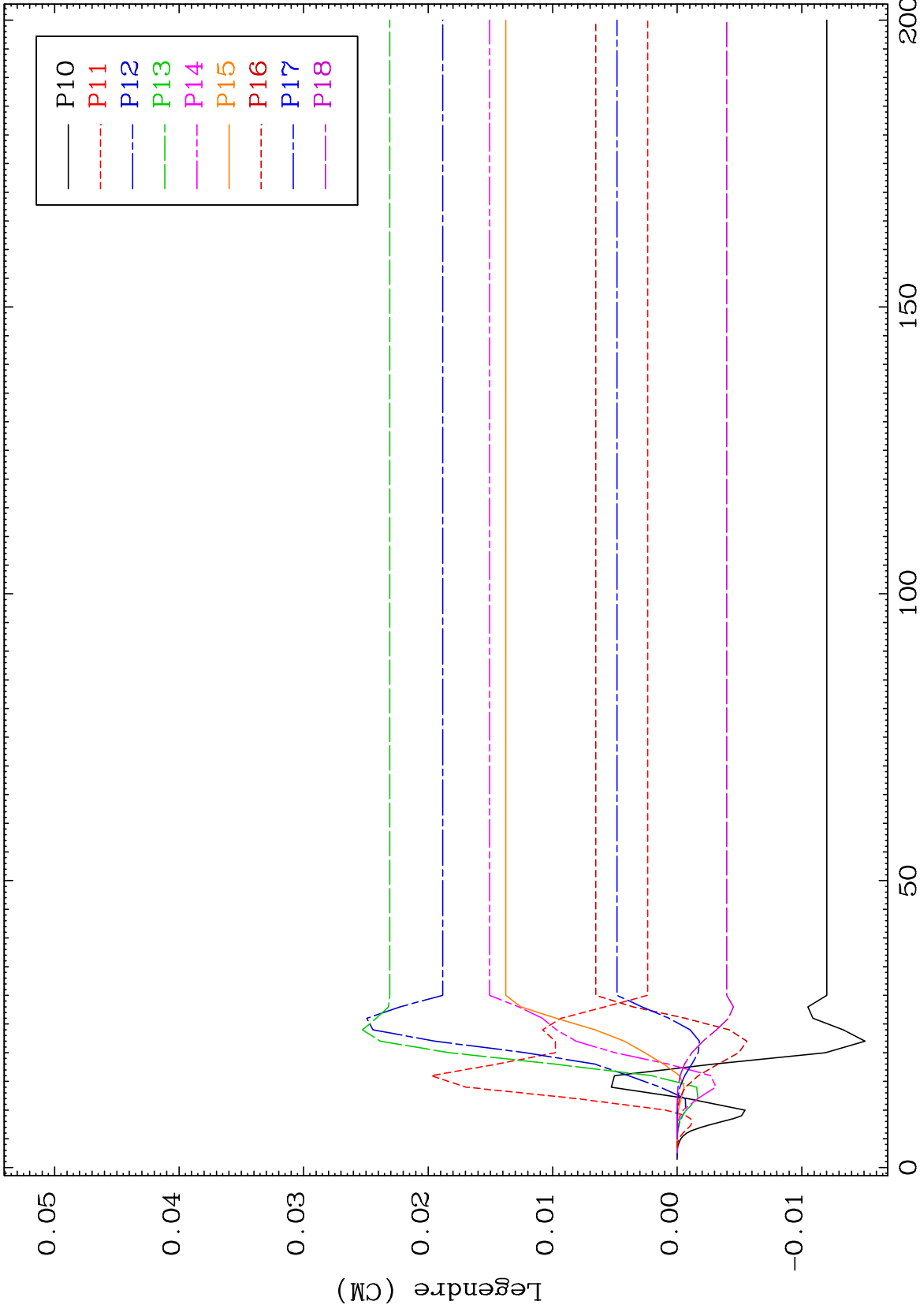
Incident Energy (MeV)

102

MAT 5758

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

57-La-149



57-La-149

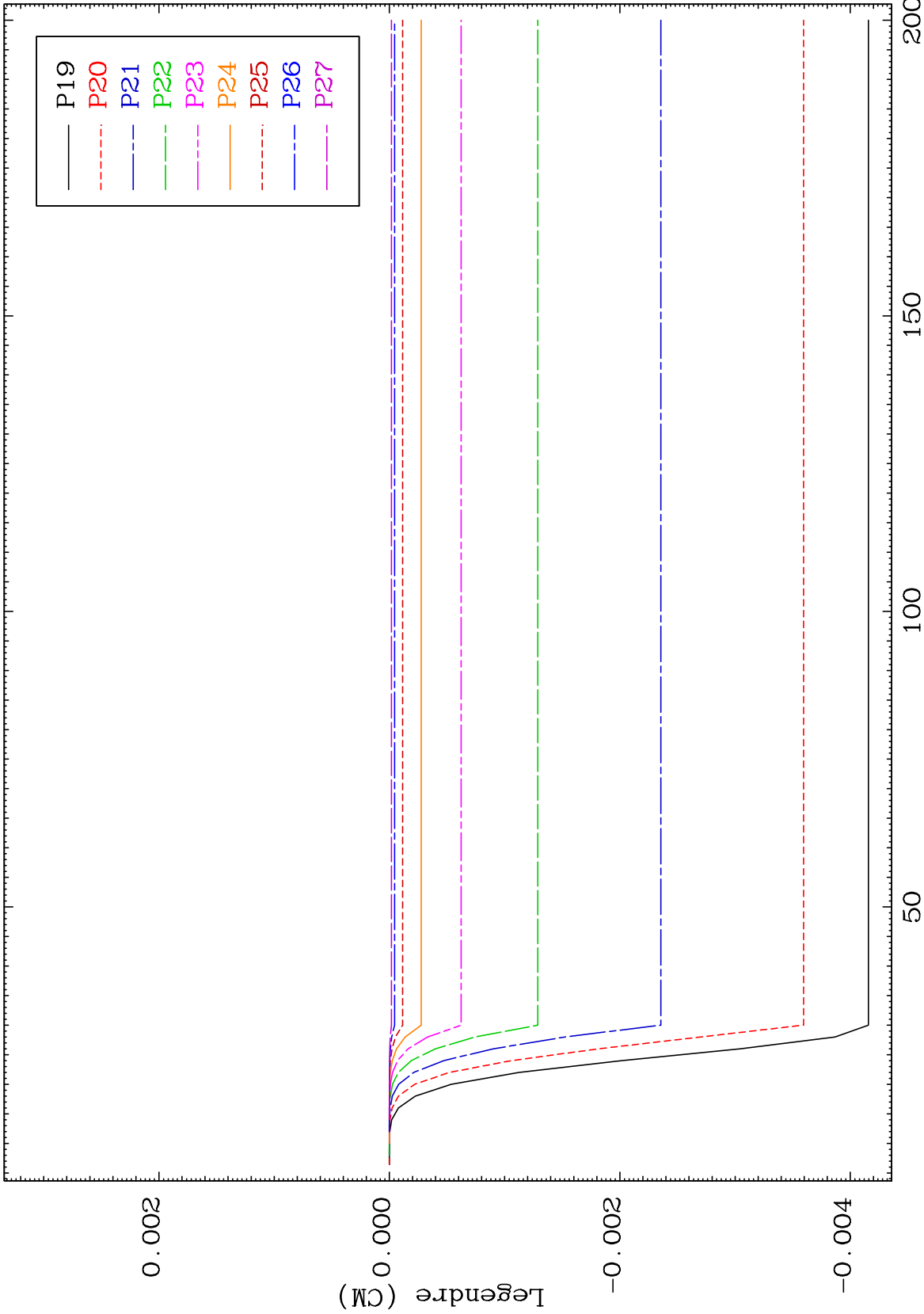
Incident Energy (MeV)

103

MAT 5758

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

57-La-149



104

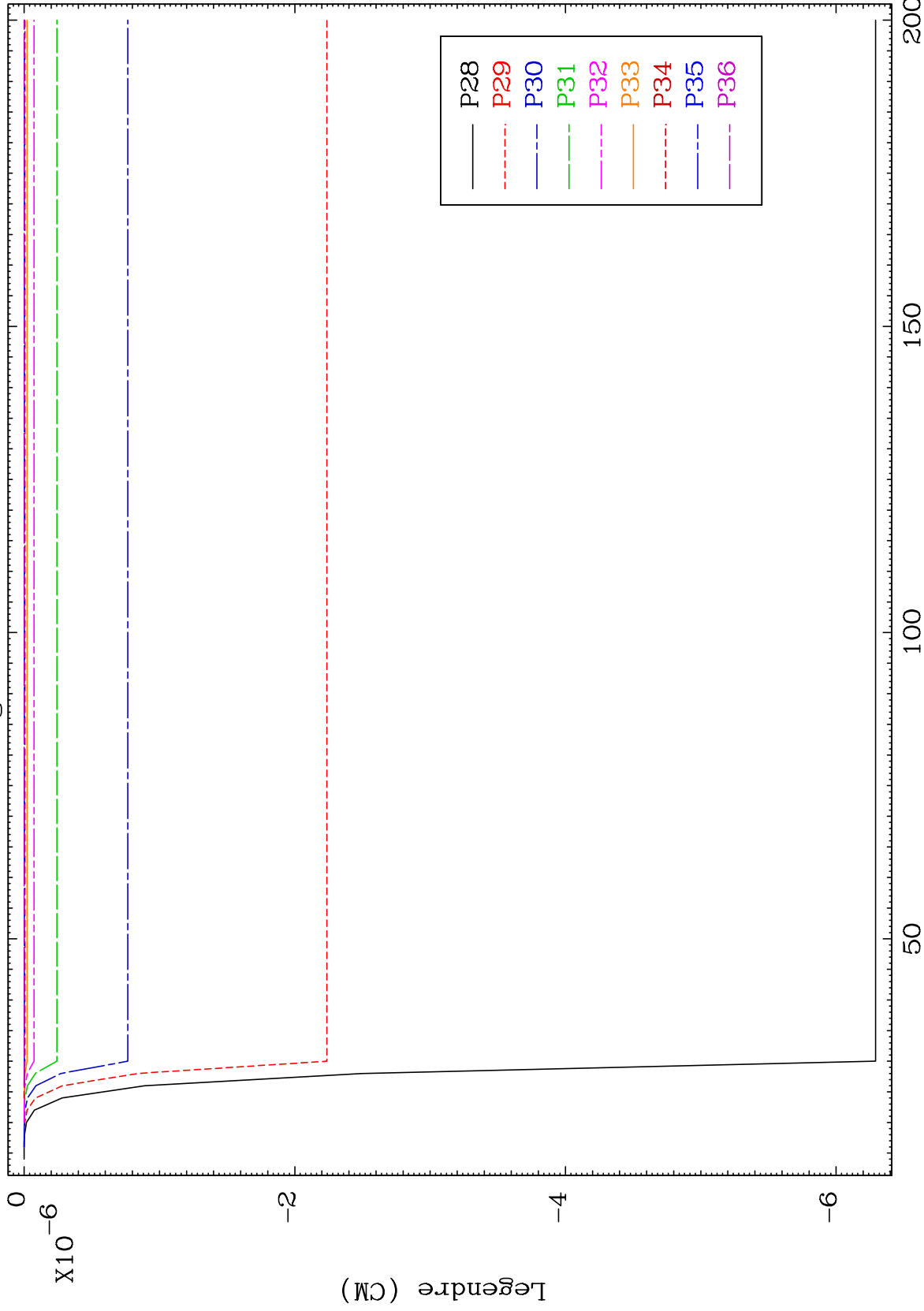
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



57-La-149

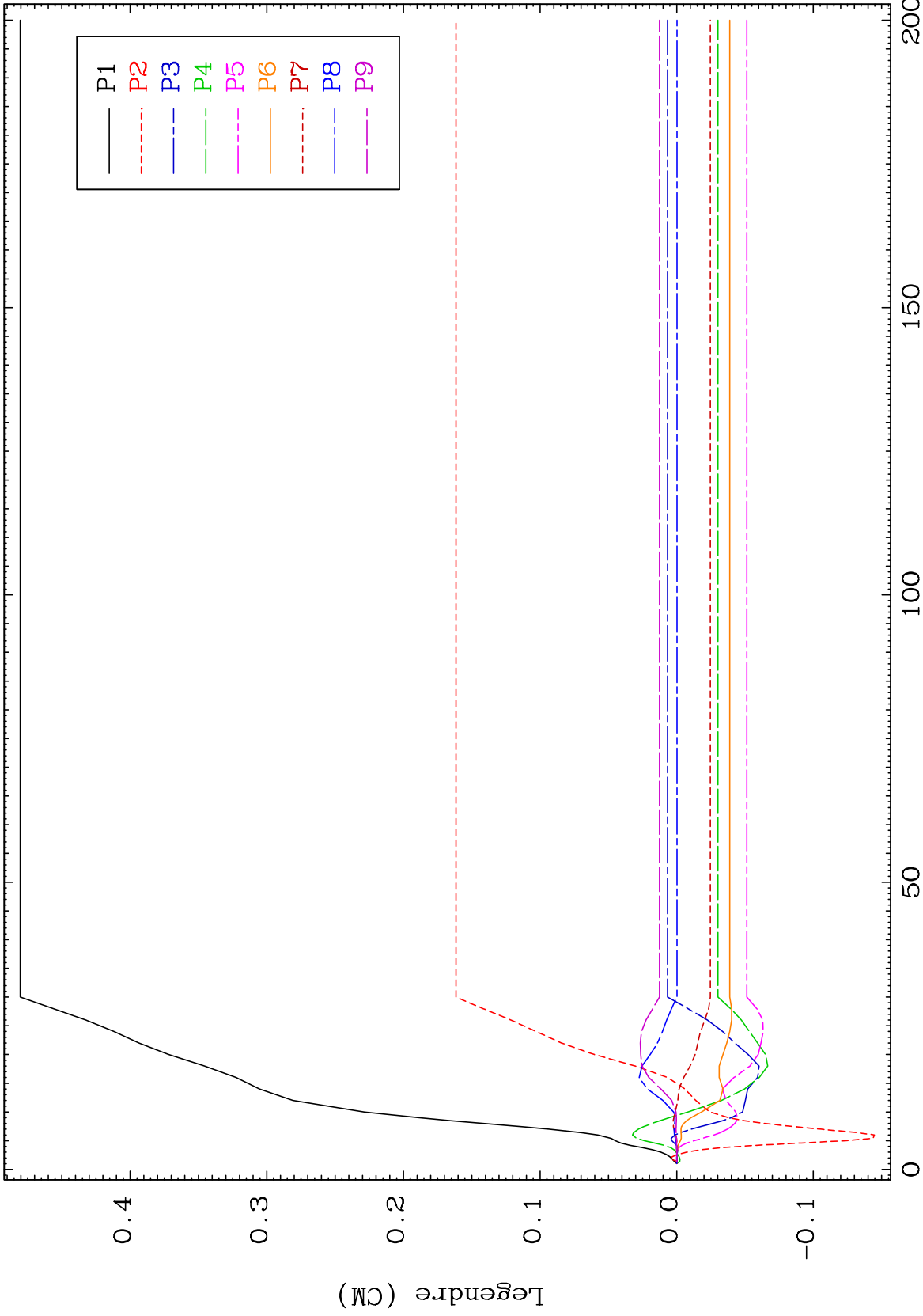
Incident Energy (MeV)

105

MAT 5758

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

57-La-149



57-La-149

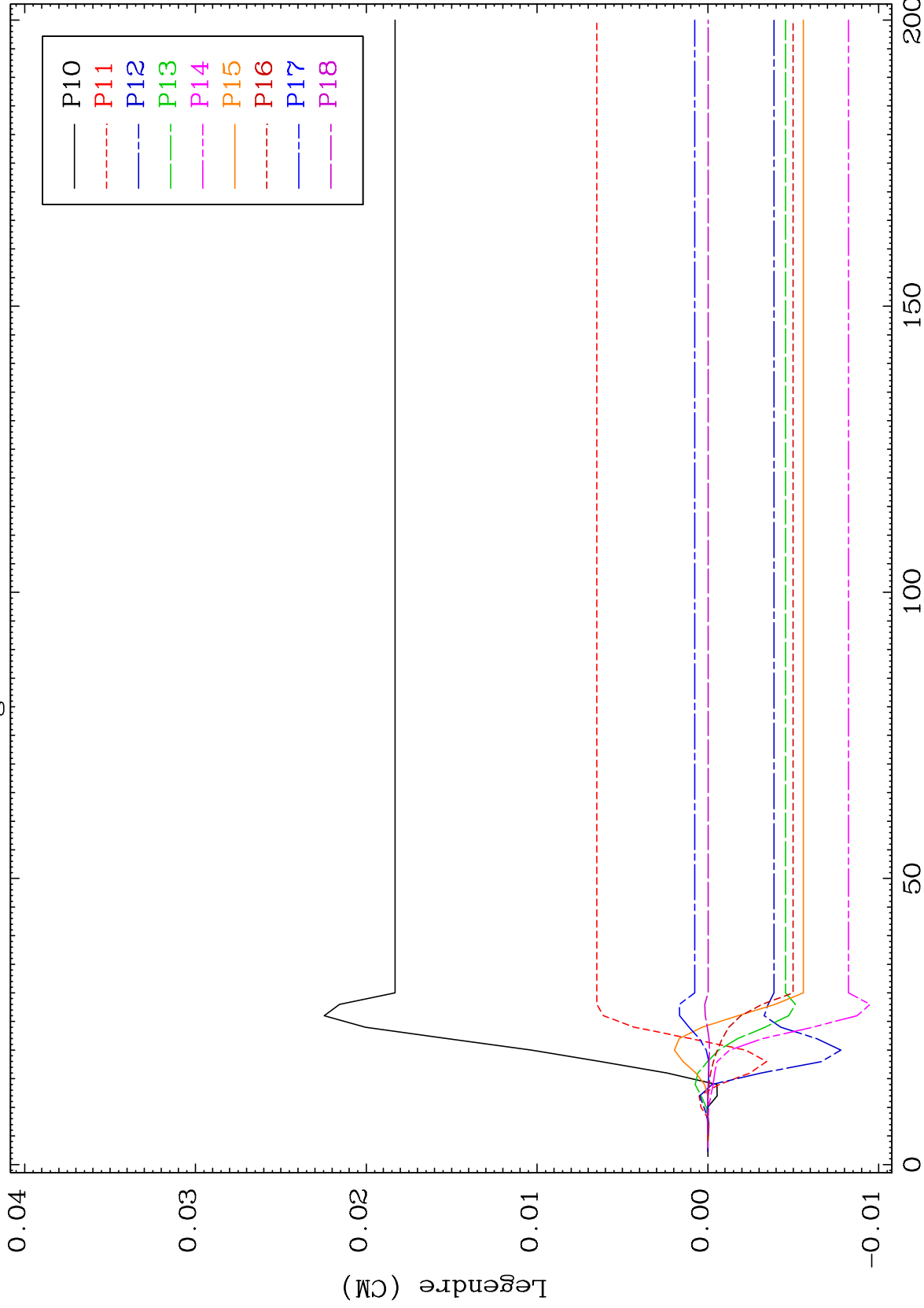
Incident Energy (MeV)

106

MAT 5758

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

57-La-149



107

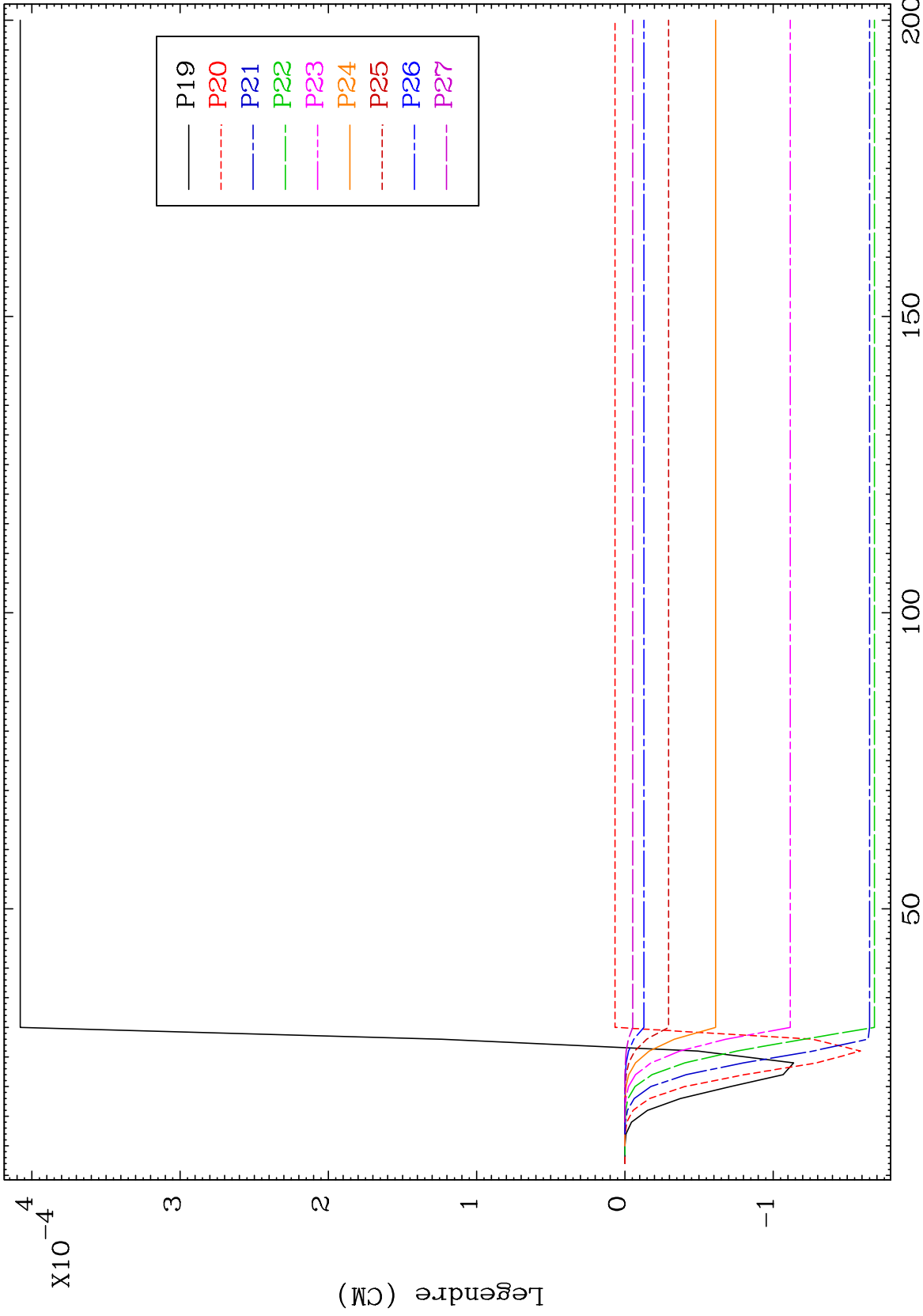
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



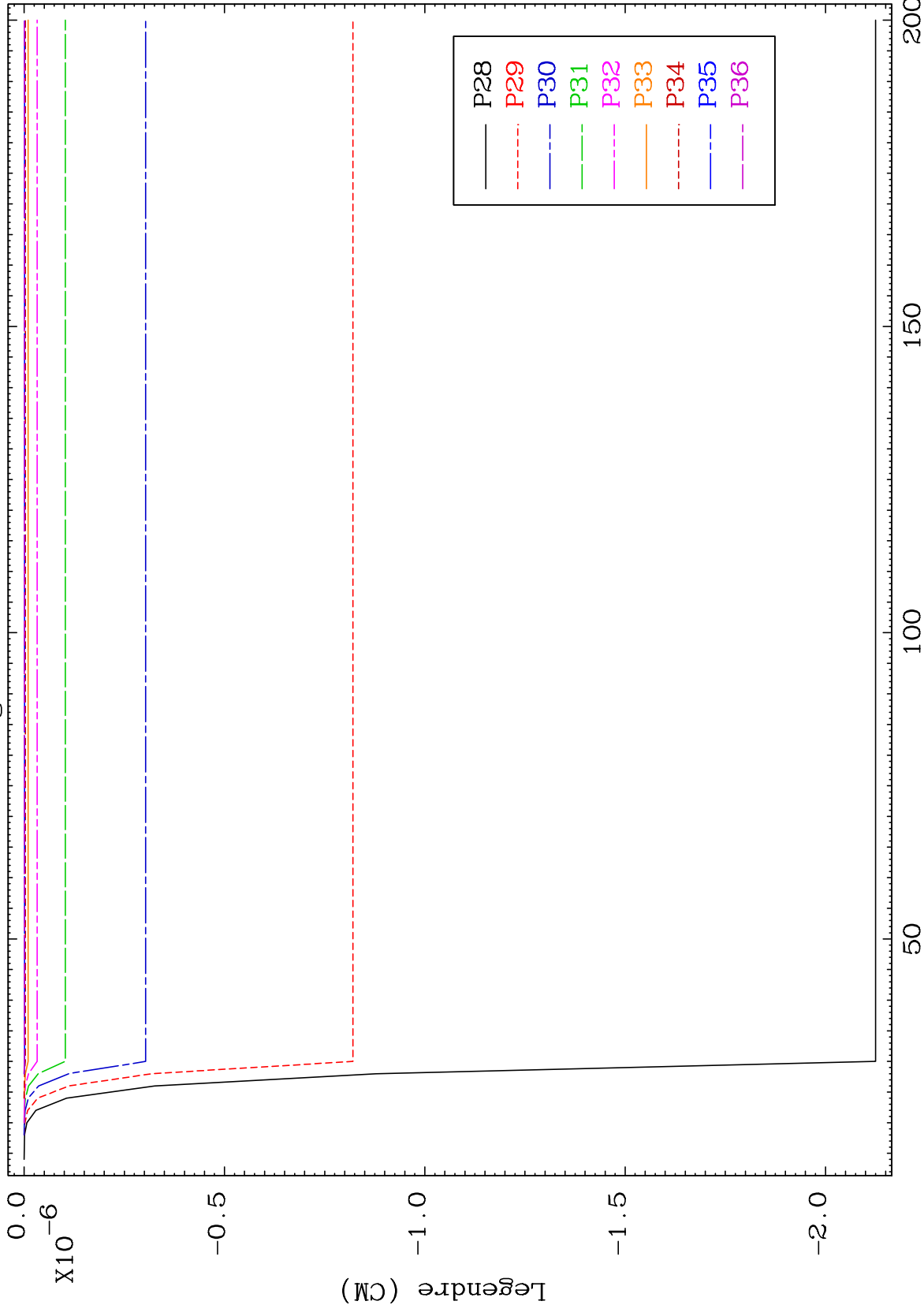
108

57-La-149

MAT 5758

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

57-La-149



57-La-149

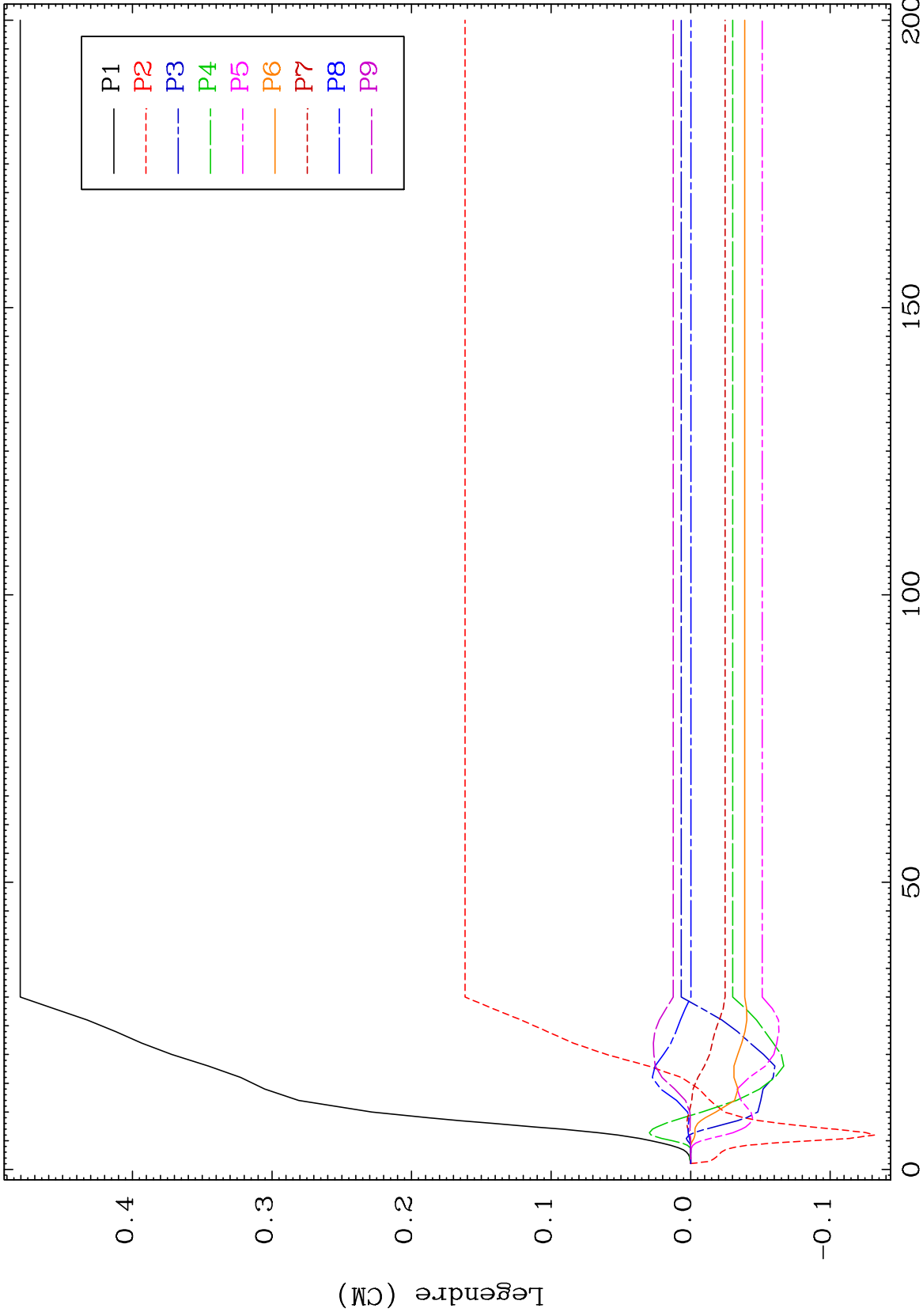
Incident Energy (MeV)

109

MAT 5758

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

57-La-149



57-La-149

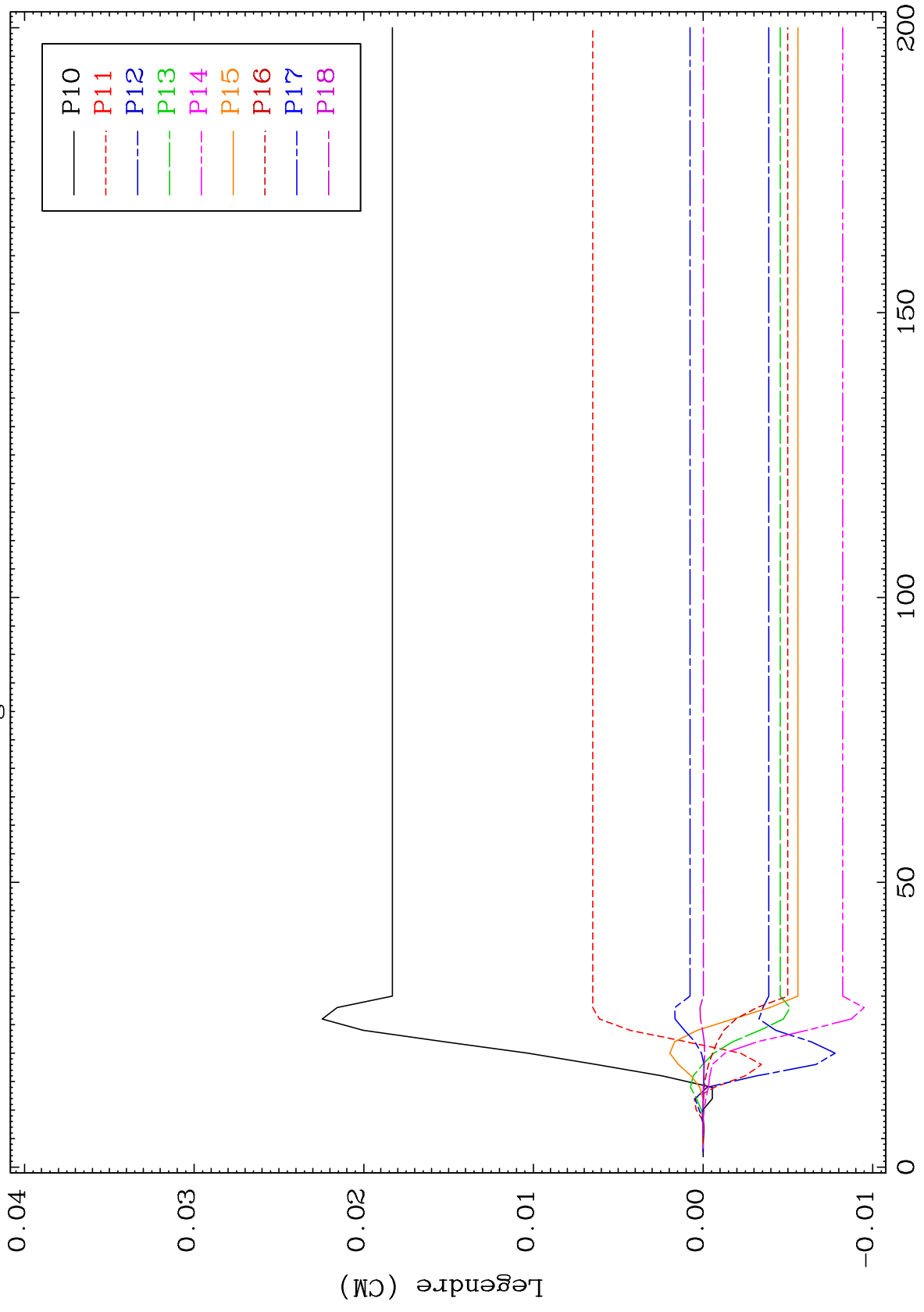
Incident Energy (MeV)

110

MAT 5758

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

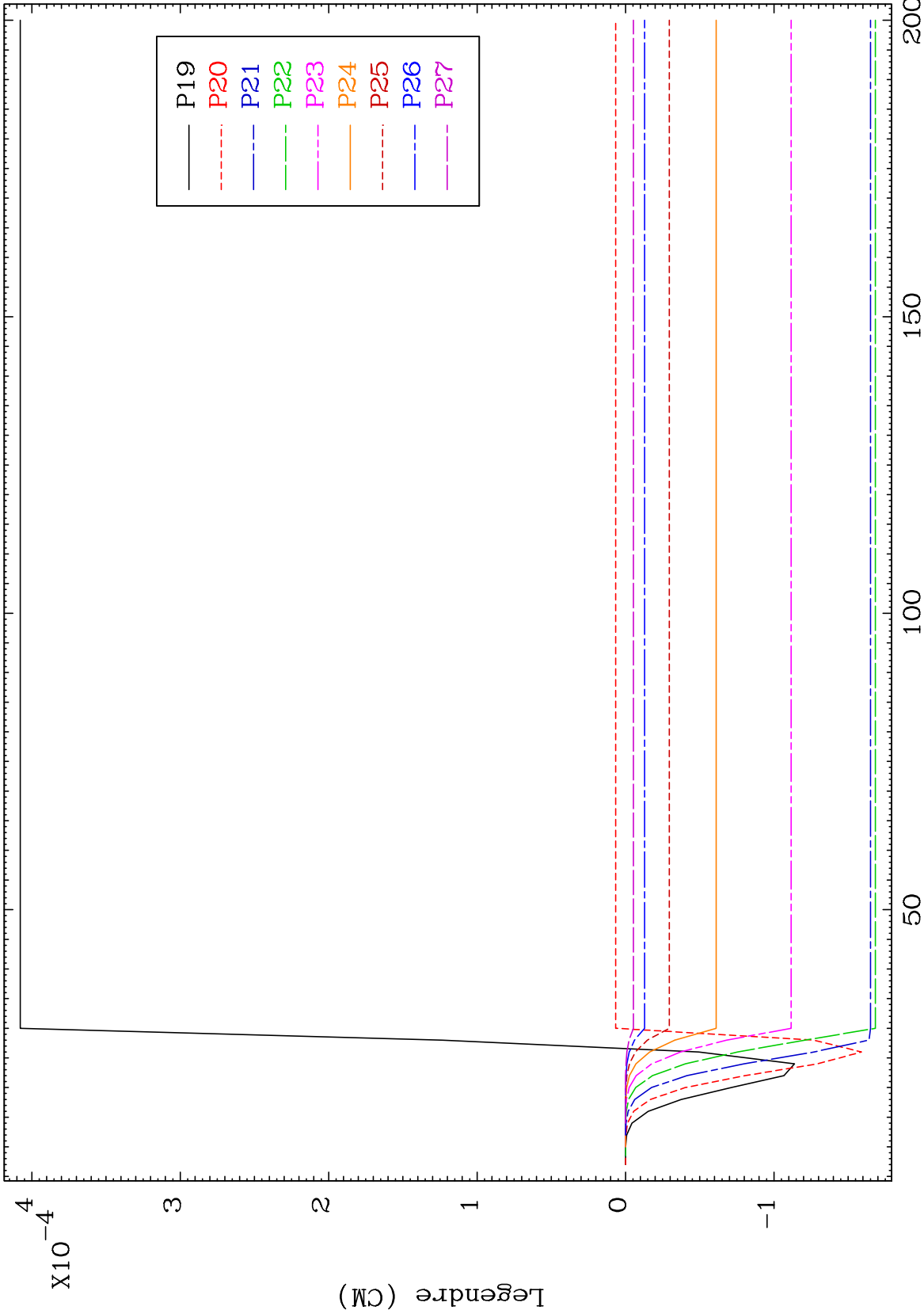
57-La-149



111

Incident Energy (MeV)

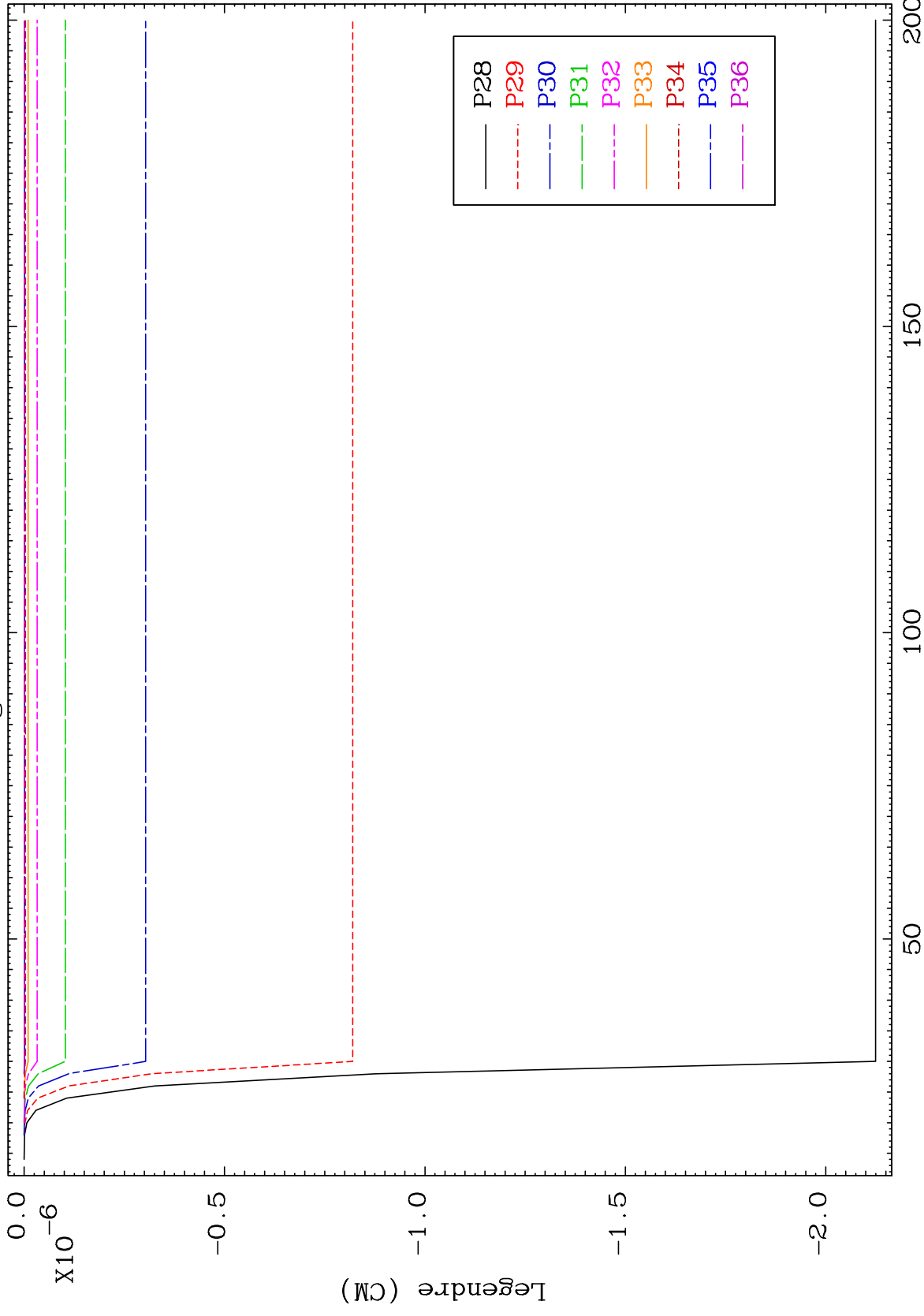
57-La-149



MAT 5758

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

57-La-149



57-La-149

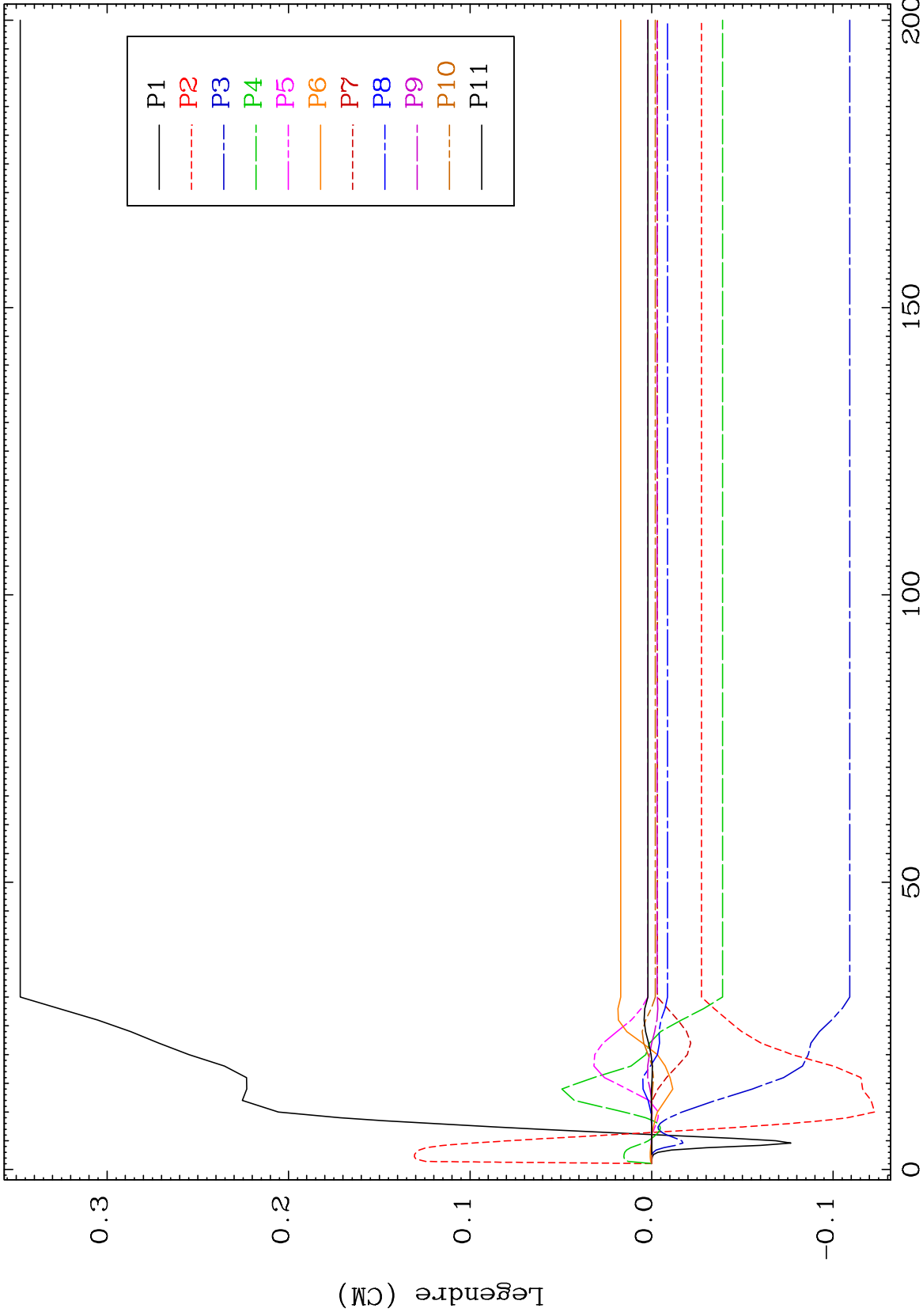
Incident Energy (MeV)

113

MAT 5758

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

57-La-149



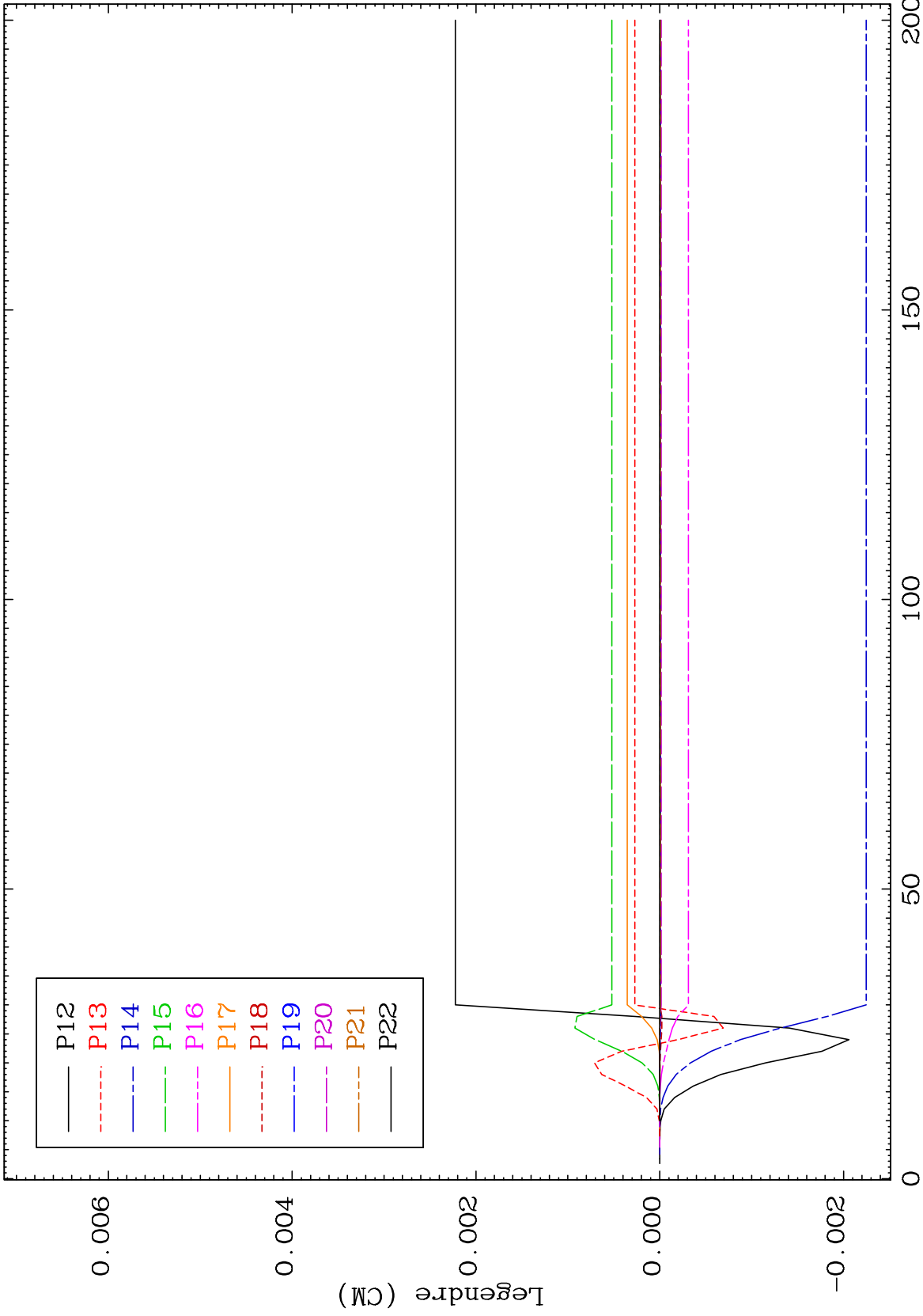
57-La-149

114

MAT 5758

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

57-La-149



115

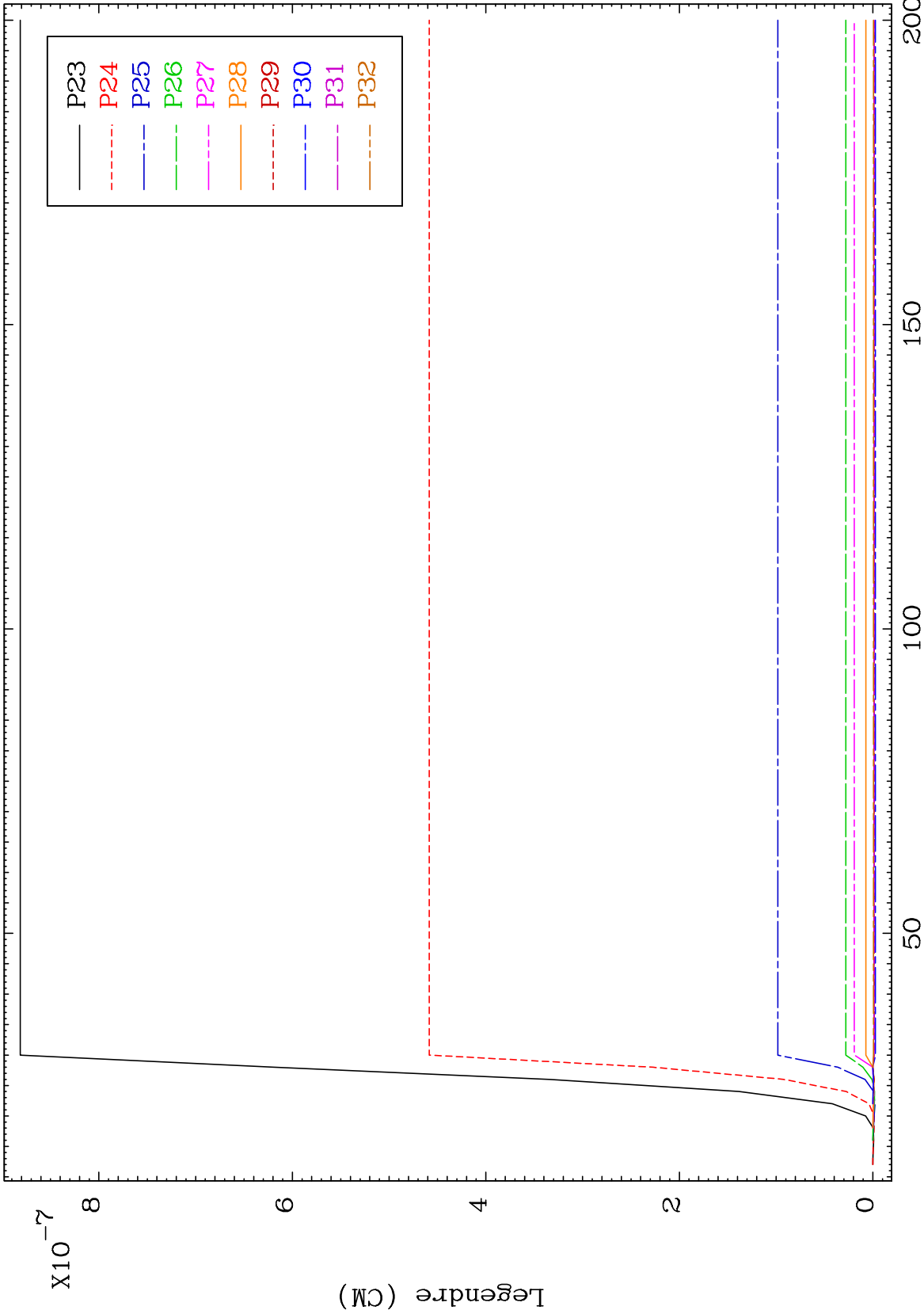
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



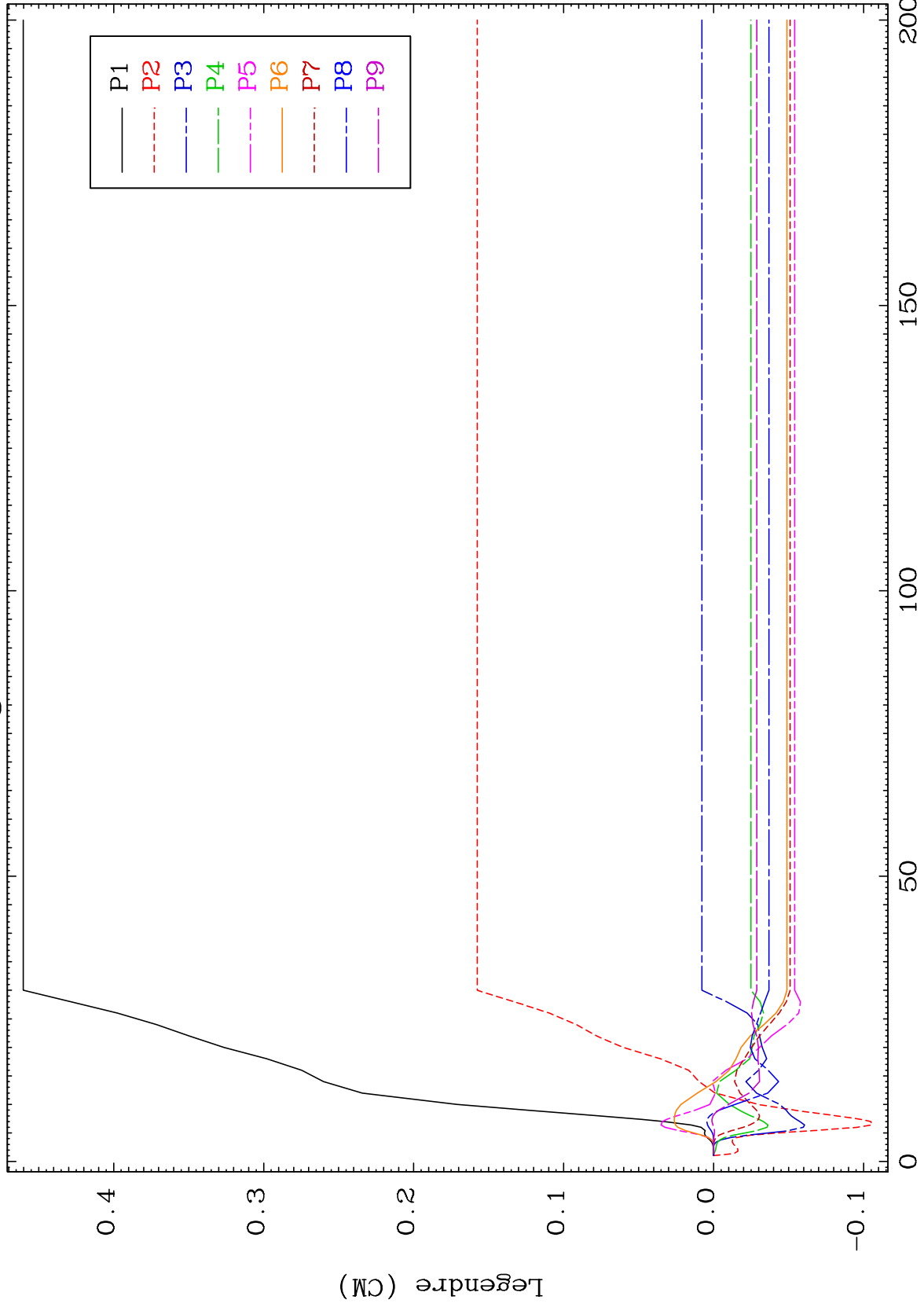
116

57-La-149

MAT 5758

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

57-La-149



117

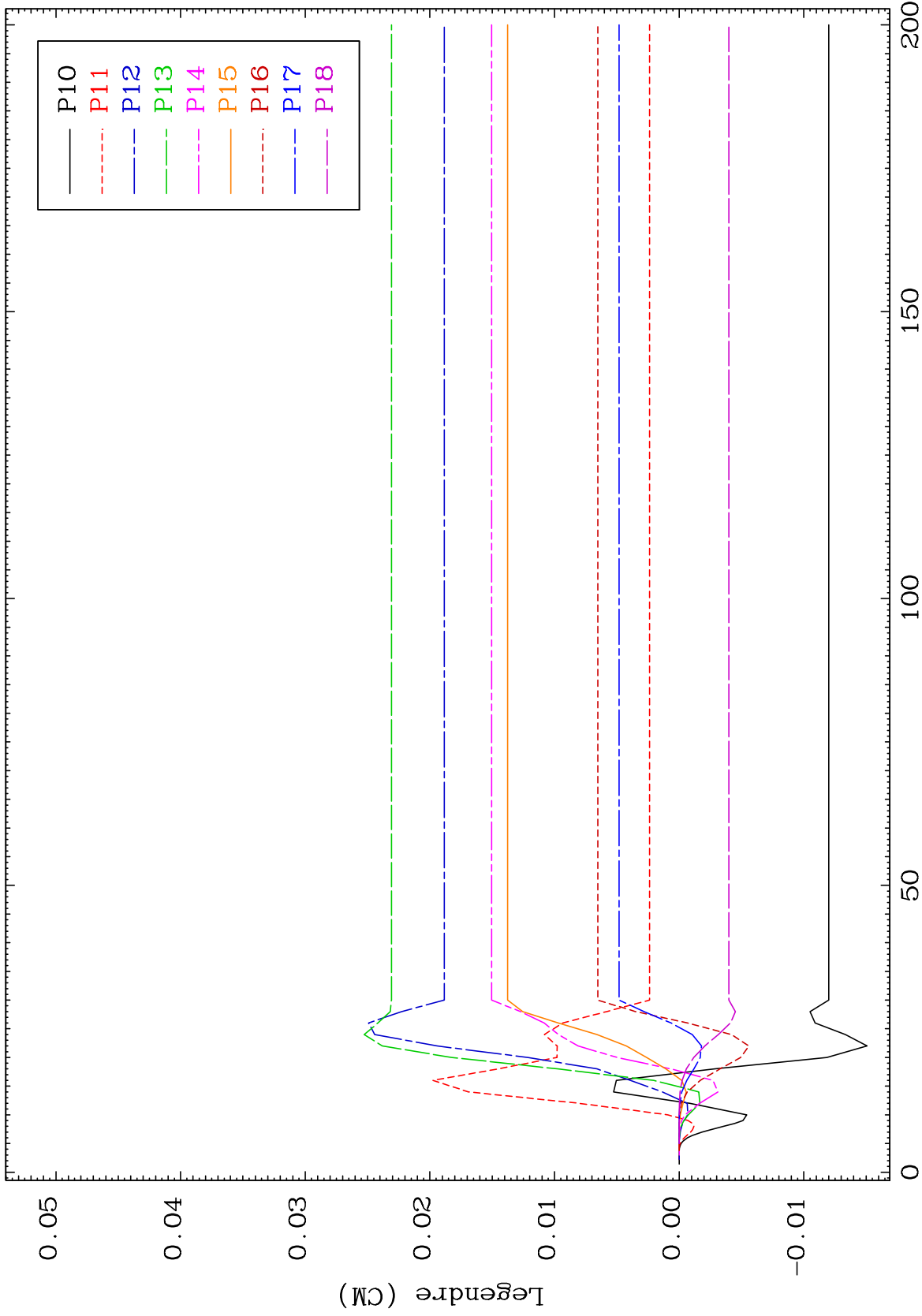
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



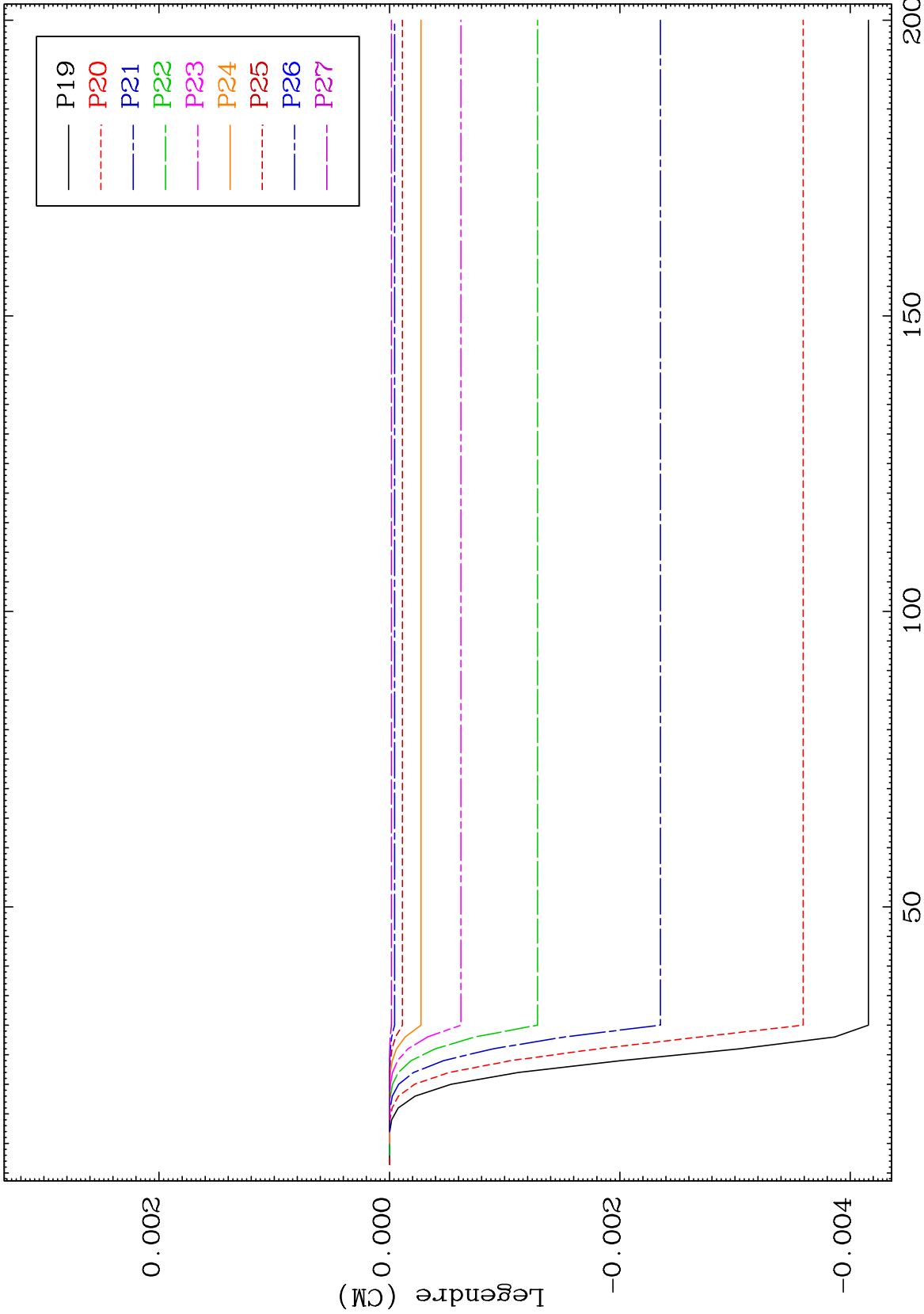
118

57-La-149

MAT 5758

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

57-La-149



119

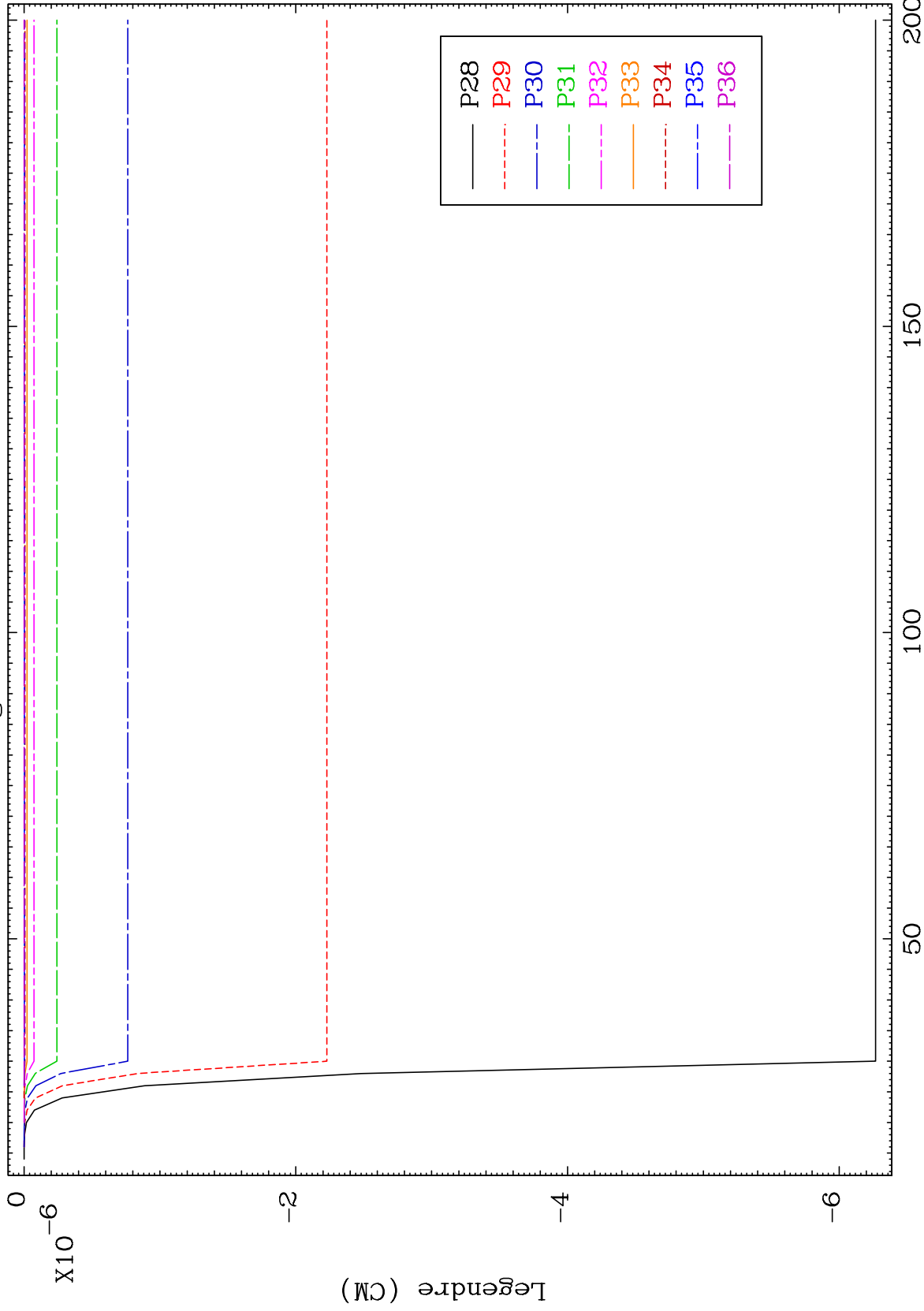
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



57-La-149

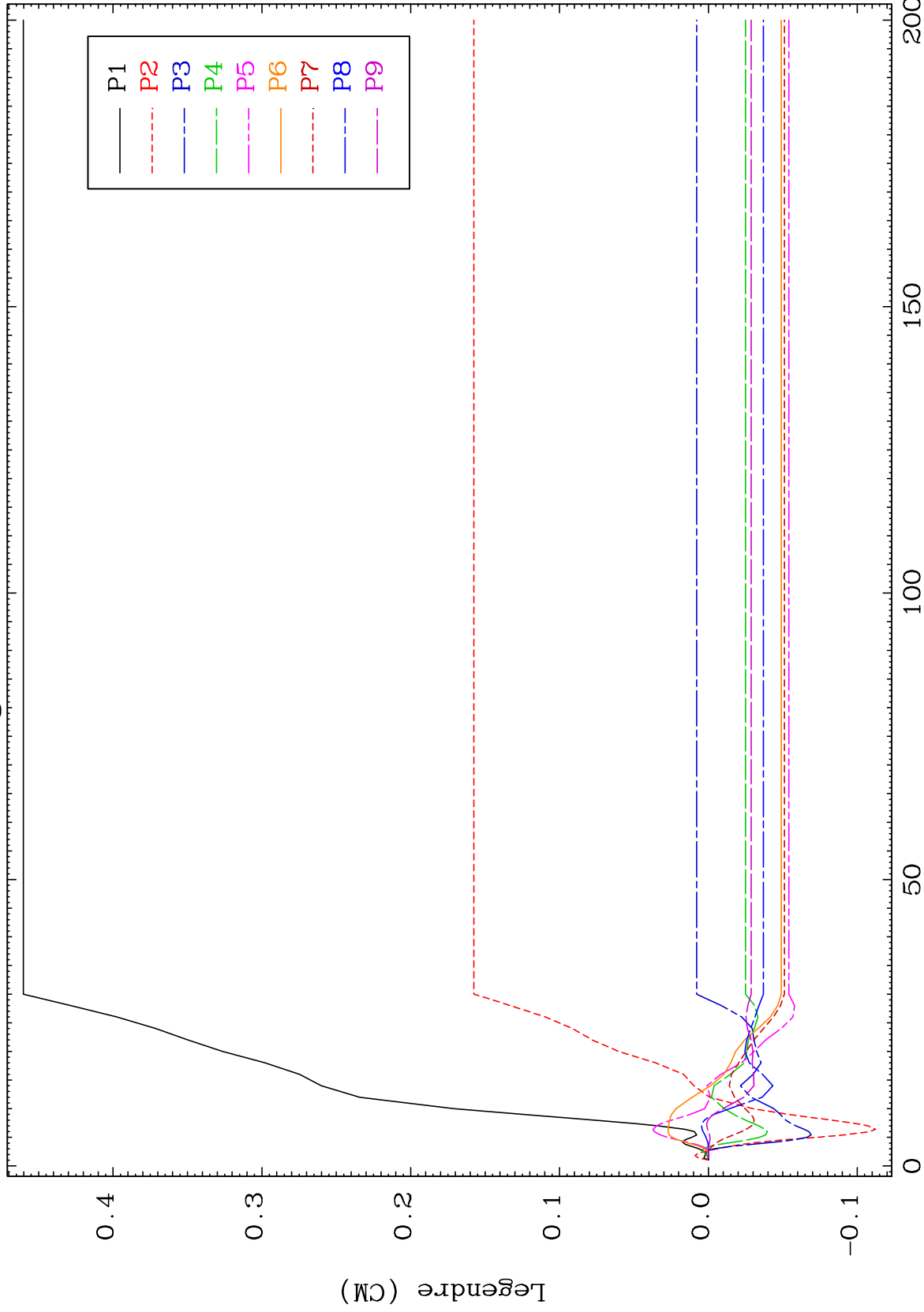
Incident Energy (MeV)

120

MAT 5758

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

57-La-149



57-La-149

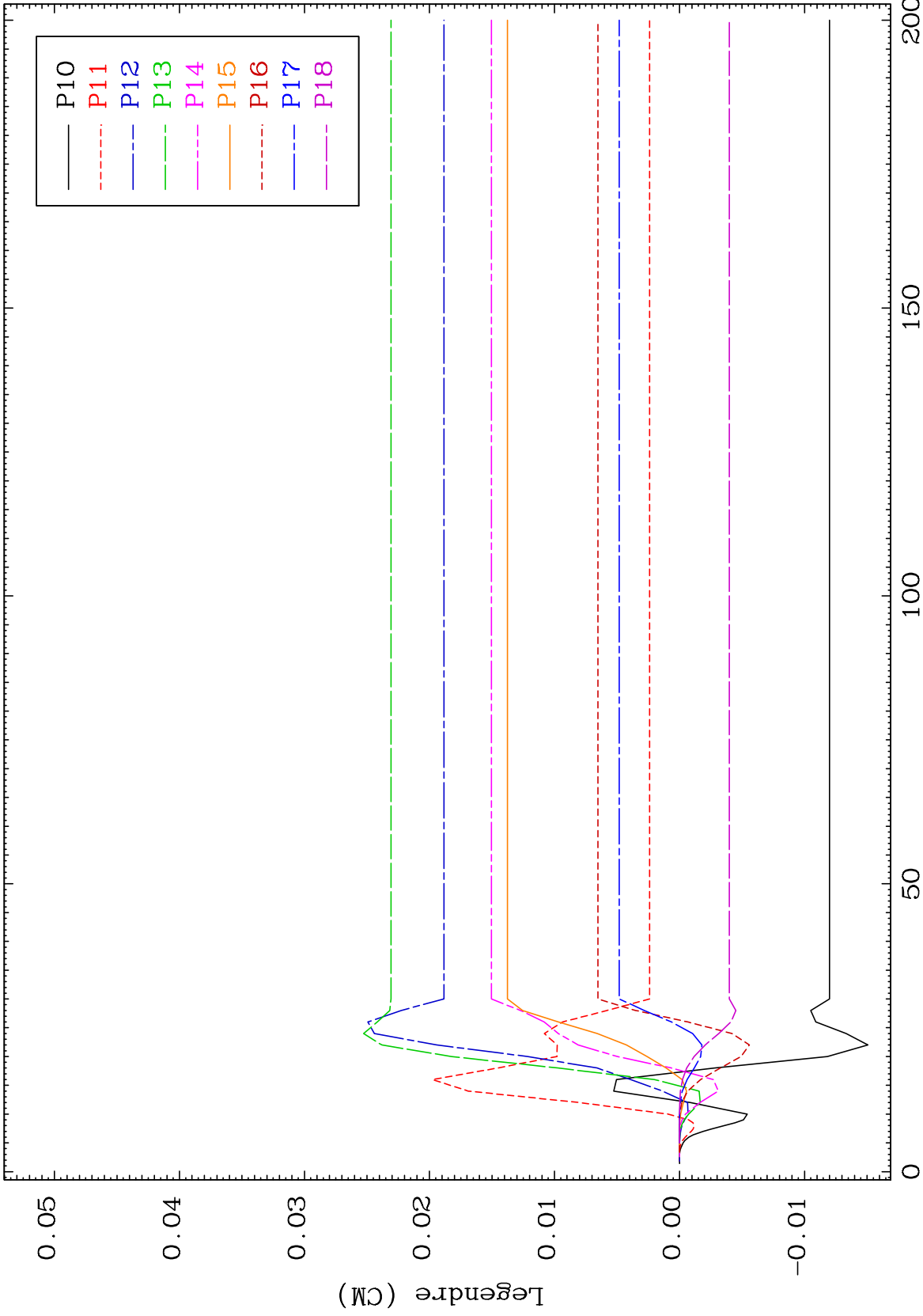
Incident Energy (MeV)

121

MAT 5758

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

57-La-149



122

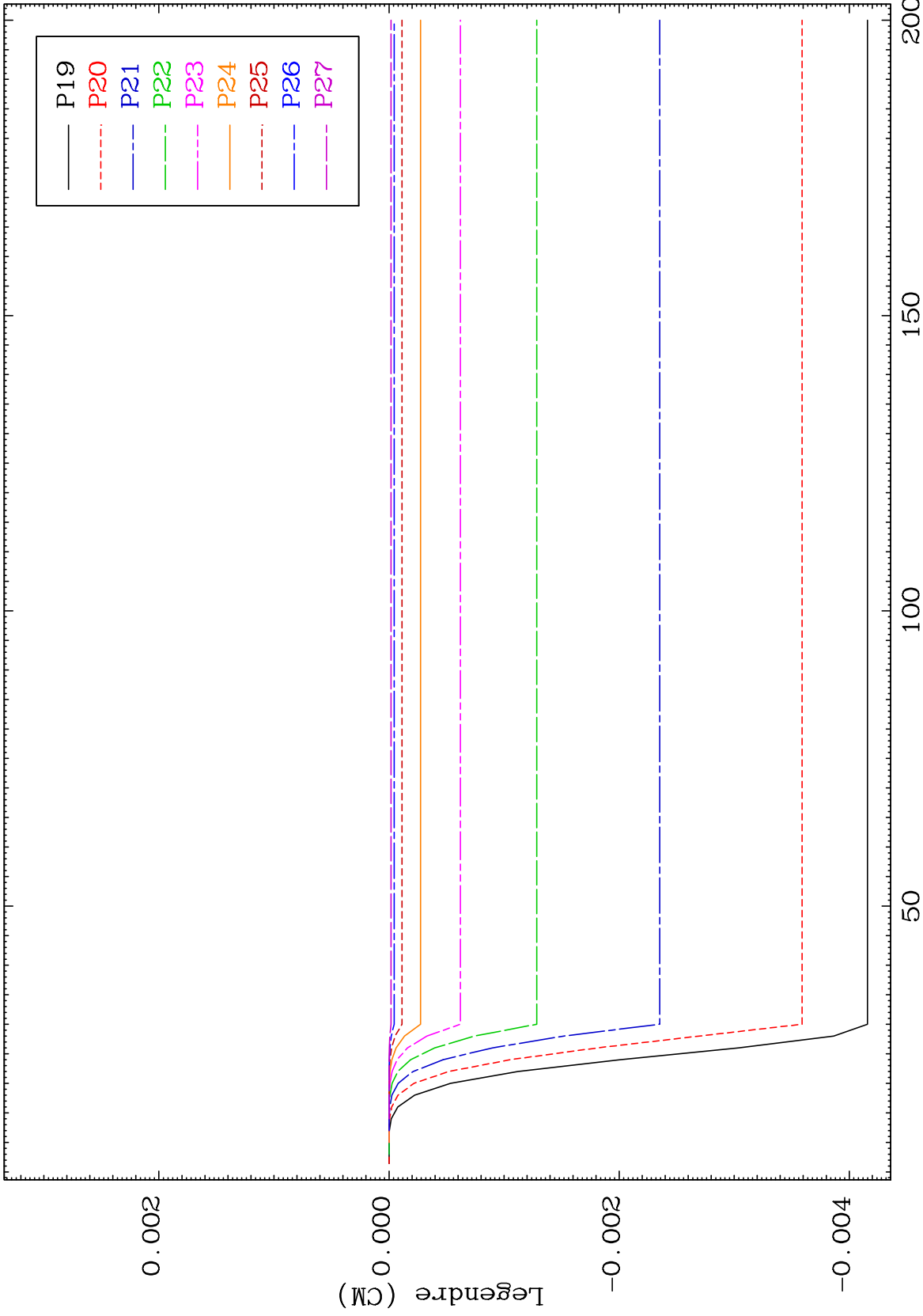
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



123

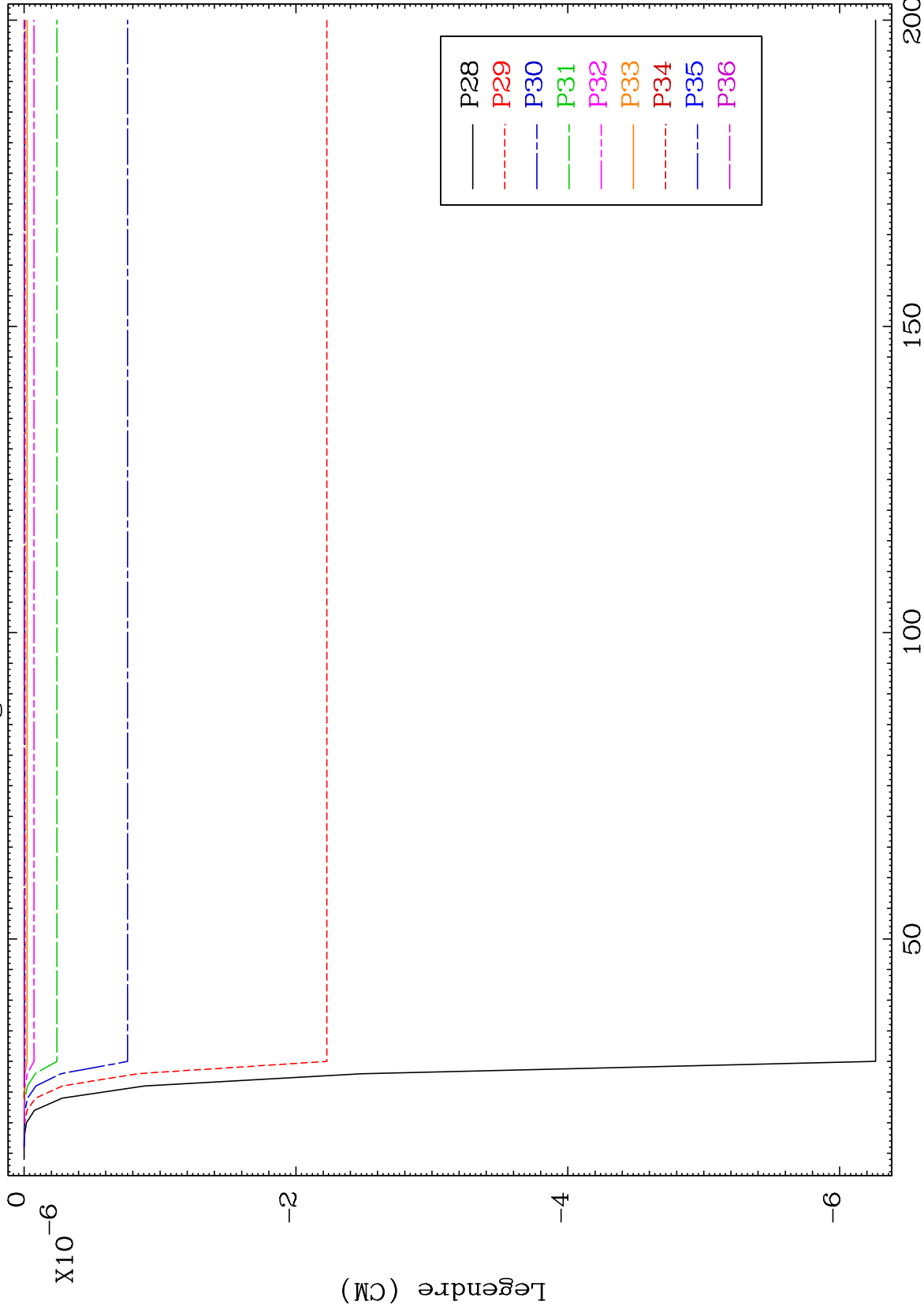
Incident Energy (MeV)

57-La-149

MAT 5758

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

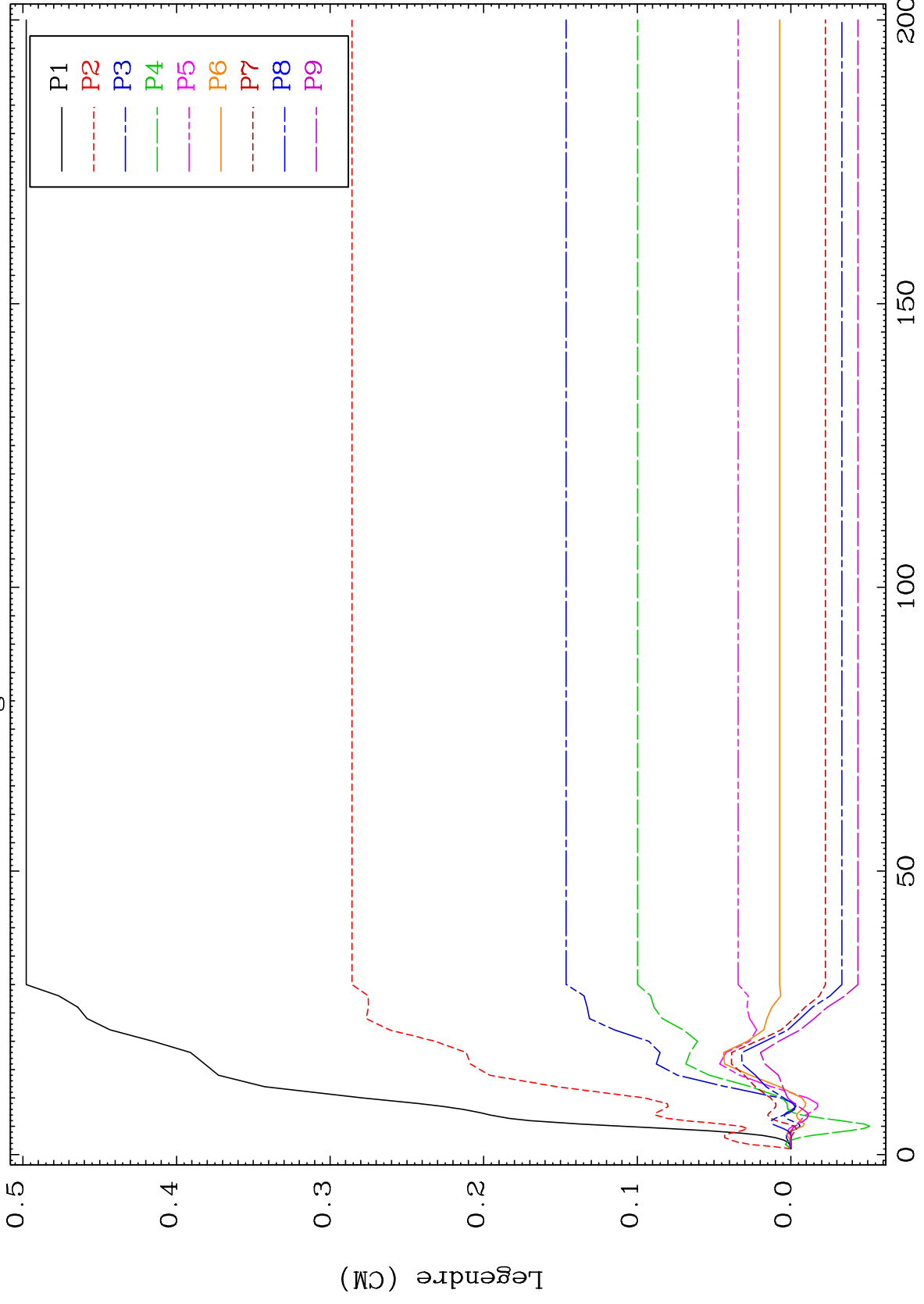
57-La-149



124

57-La-149

MAT 5758 MT= 78 (n,n') Level Legendre Coefficients 57-La-149

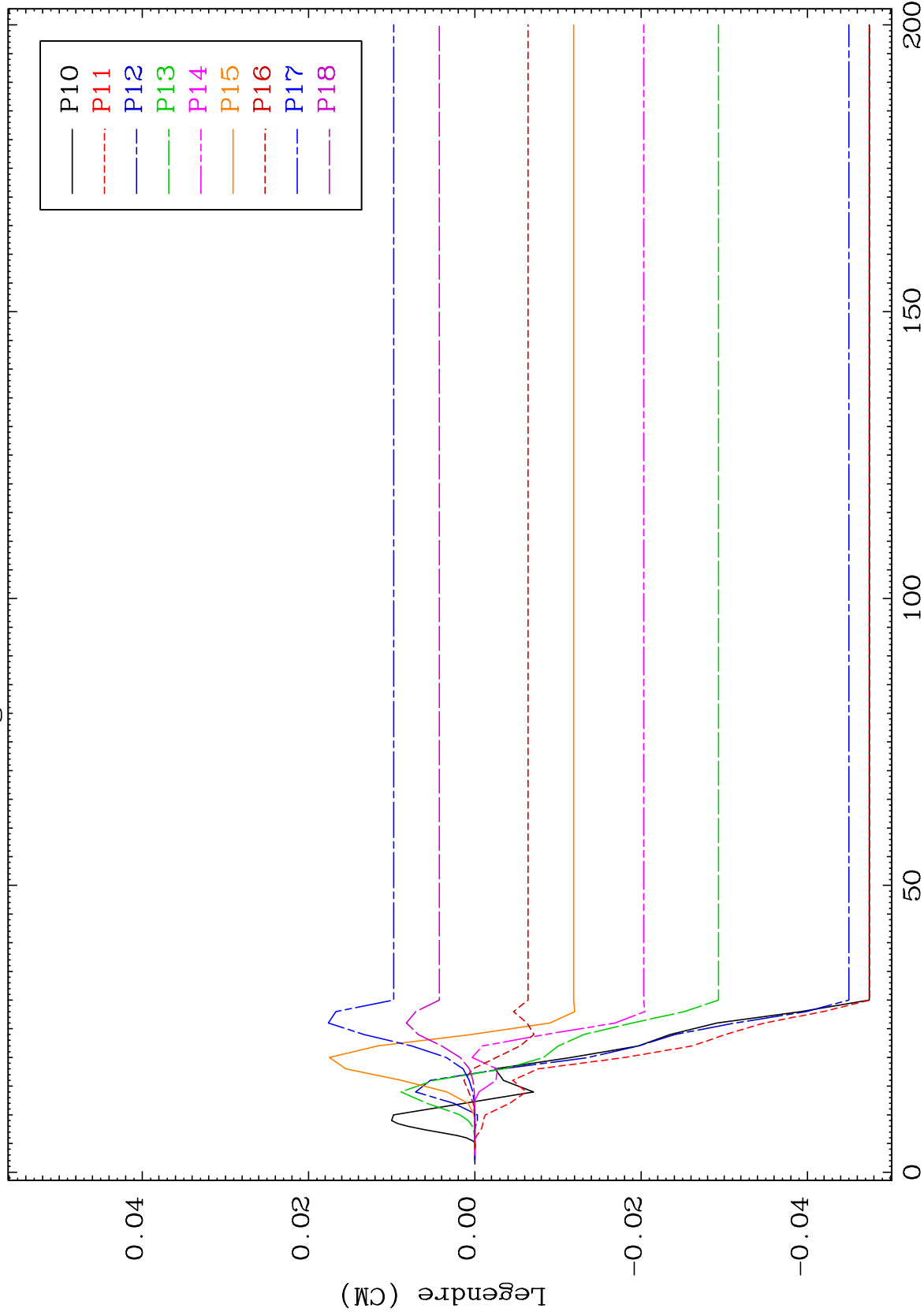


125 Incident Energy (MeV) 57-La-149

MAT 5758

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

57-La-149



126

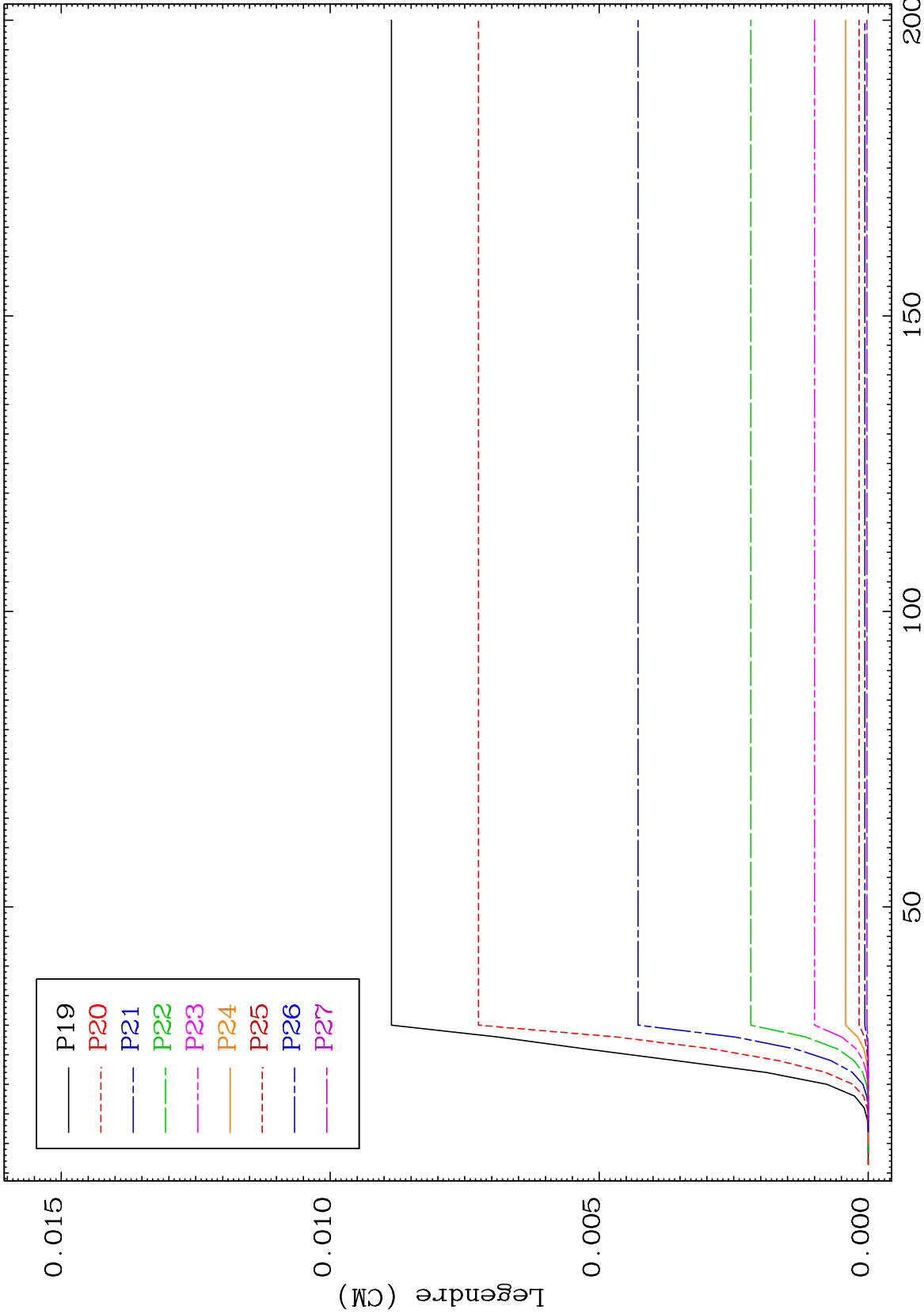
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



127

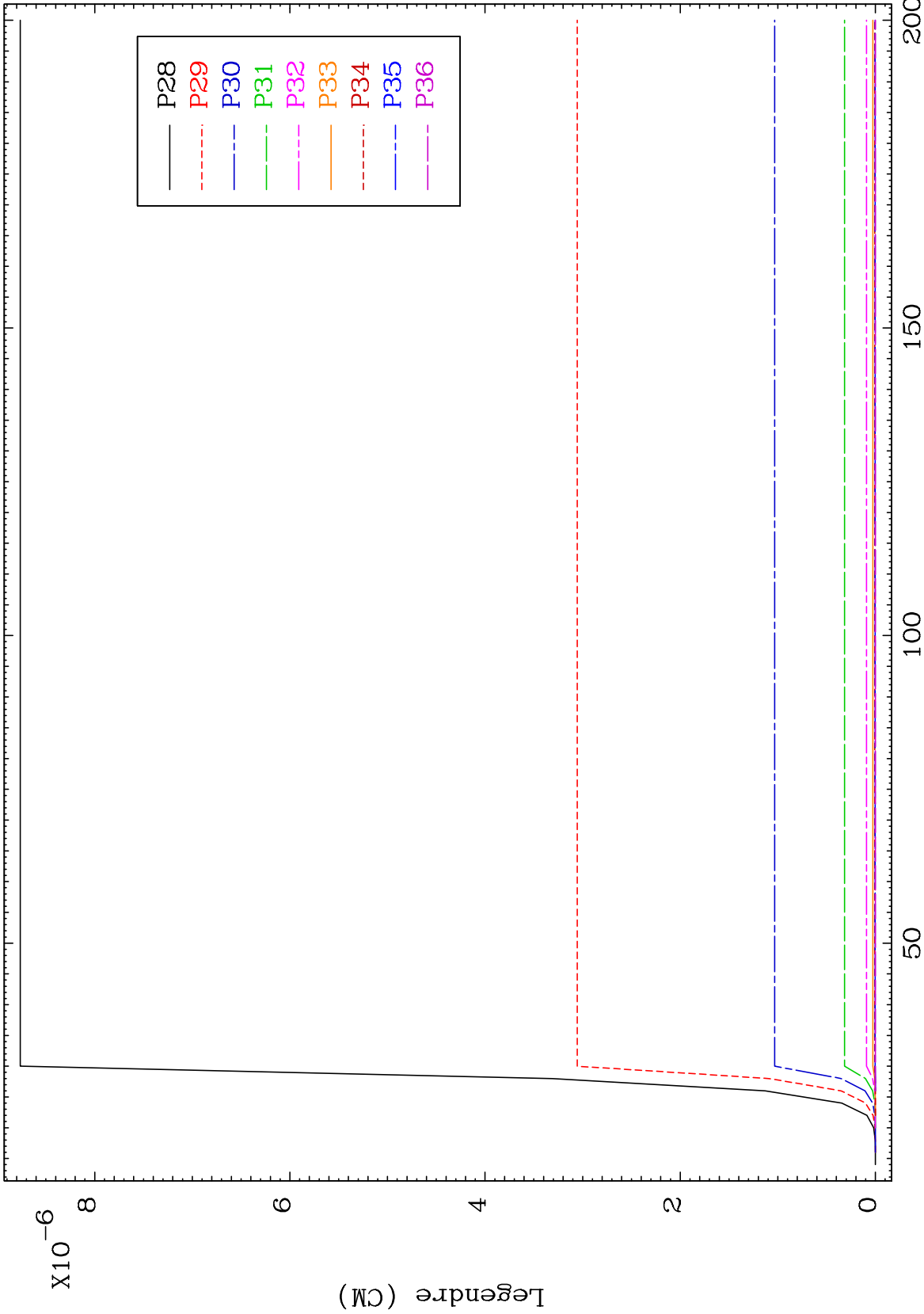
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



128

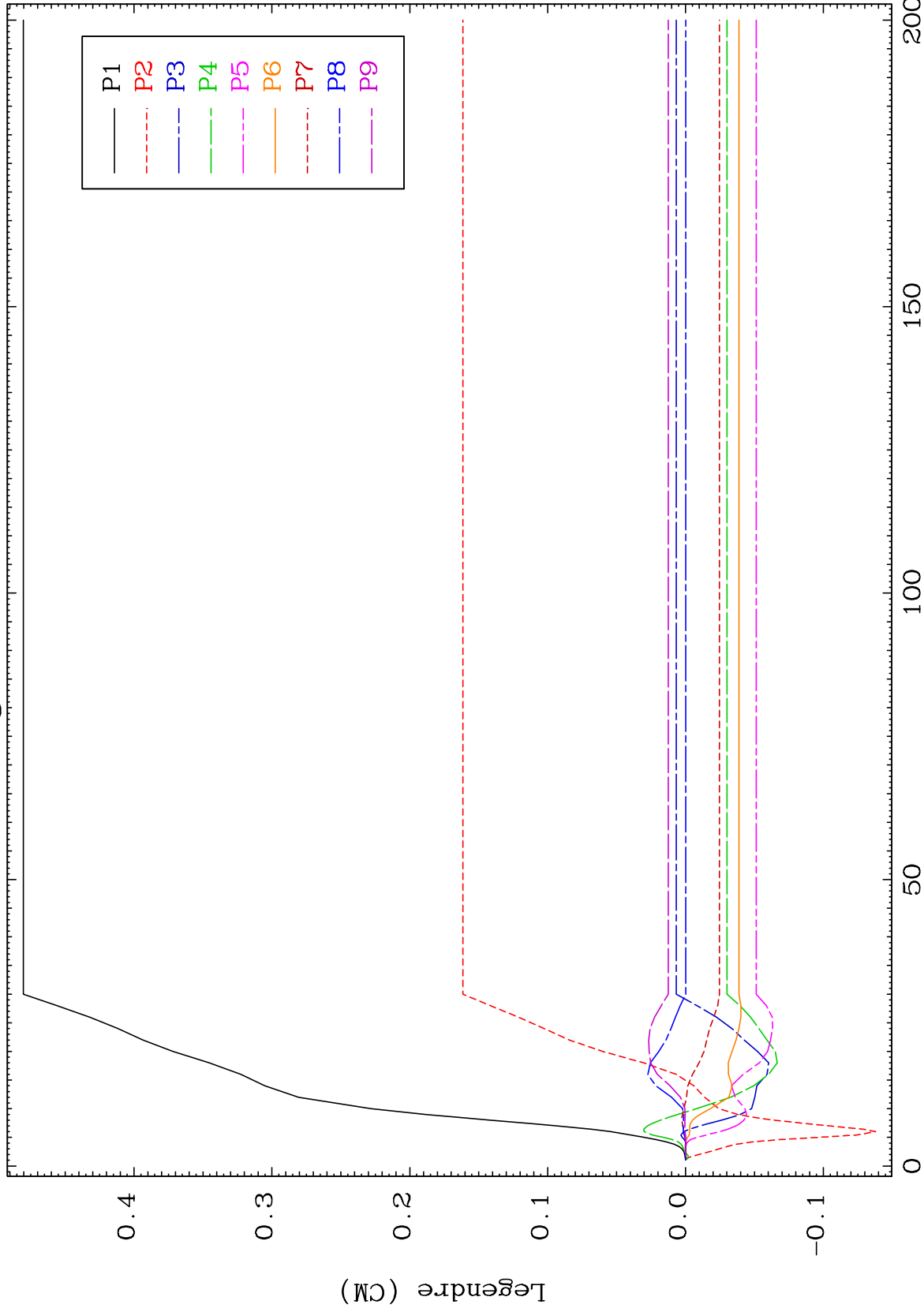
Incident Energy (MeV)

57-La-149

MAT 5758

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

57-La-149



57-La-149

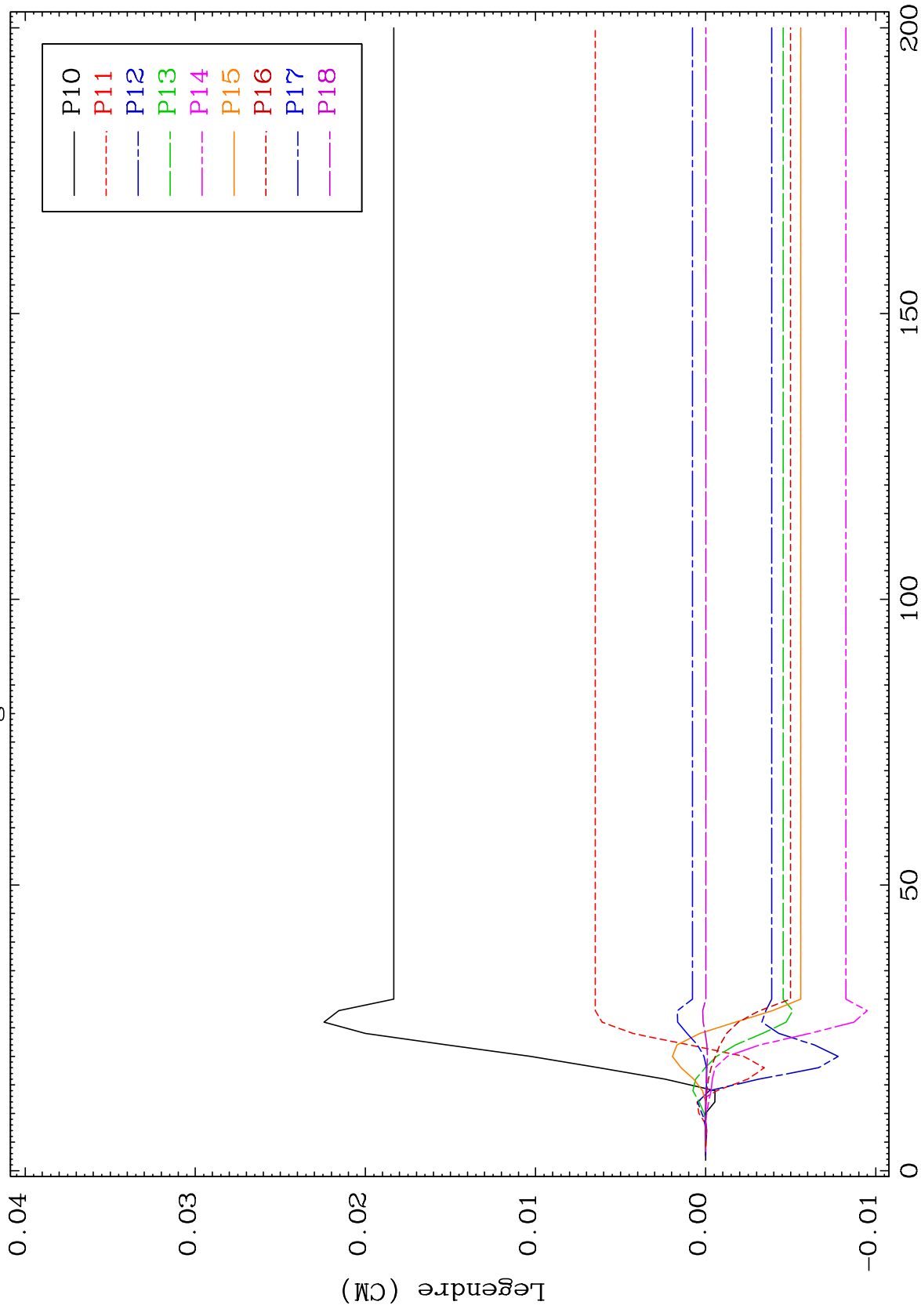
Incident Energy (MeV)

129

MAT 5758

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

57-La-149



57-La-149

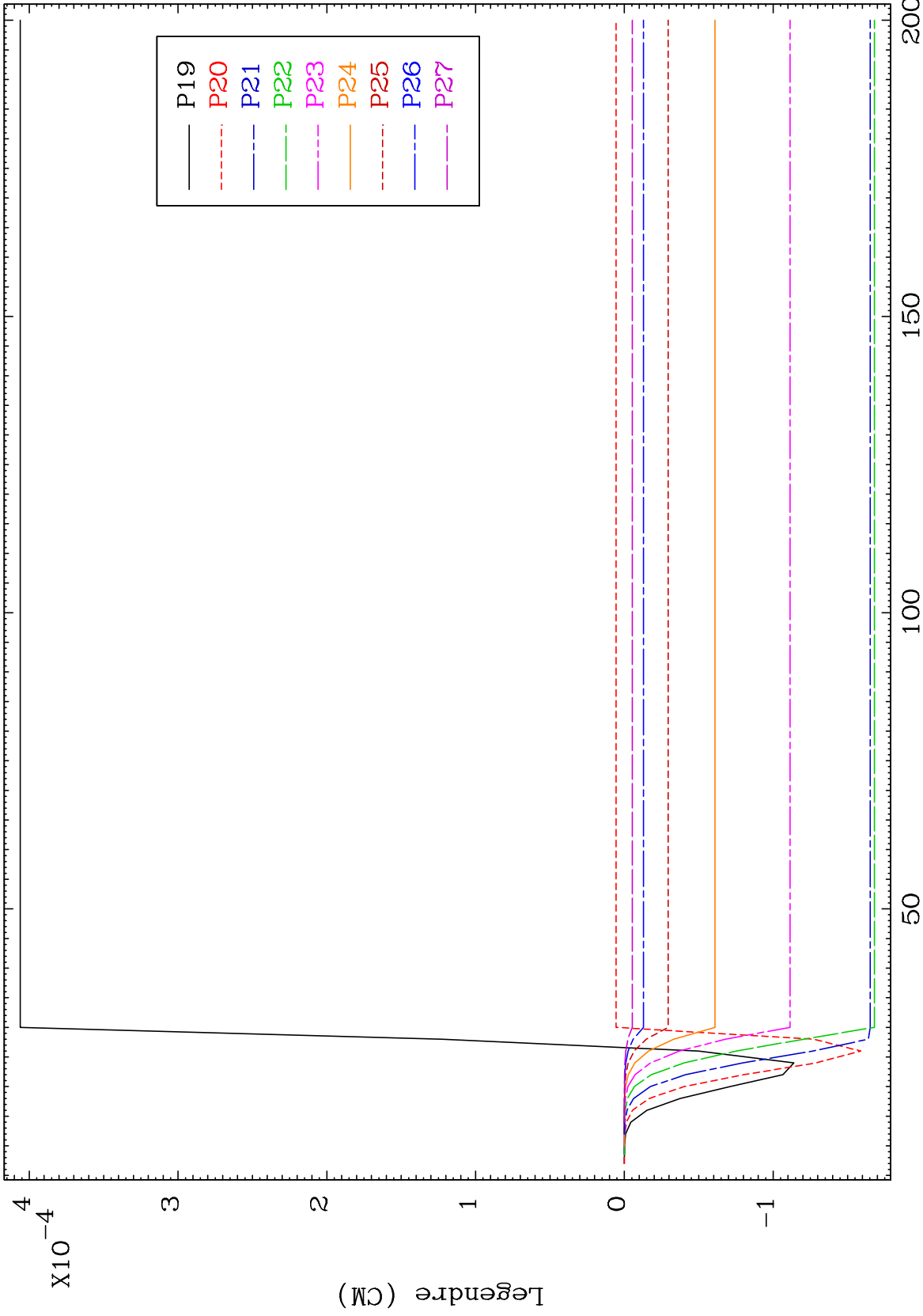
Incident Energy (MeV)

130

MAT 5758

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

57-La-149



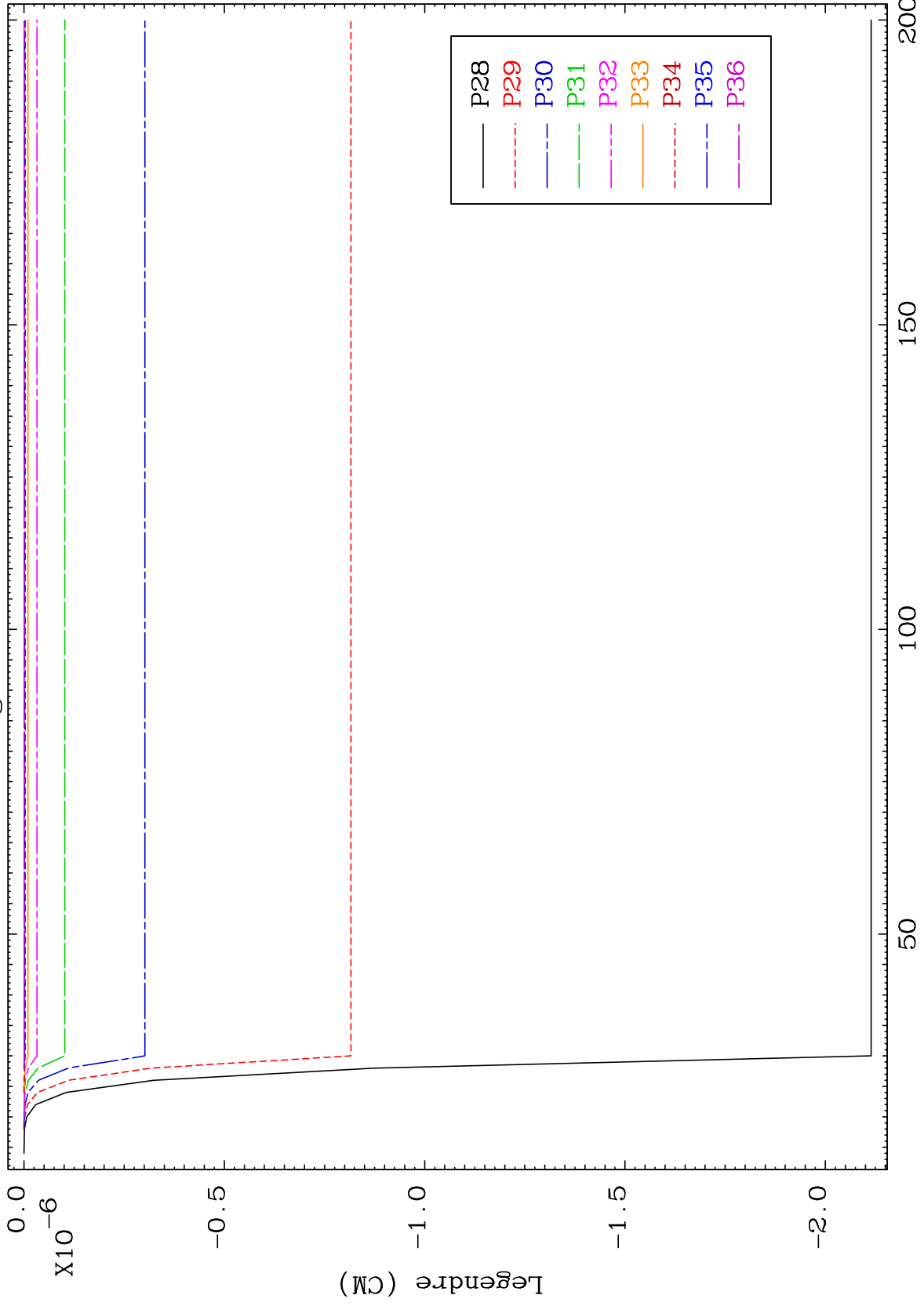
131

57-La-149

MAT 5758

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

57-La-149



57-La-149

Incident Energy (MeV)

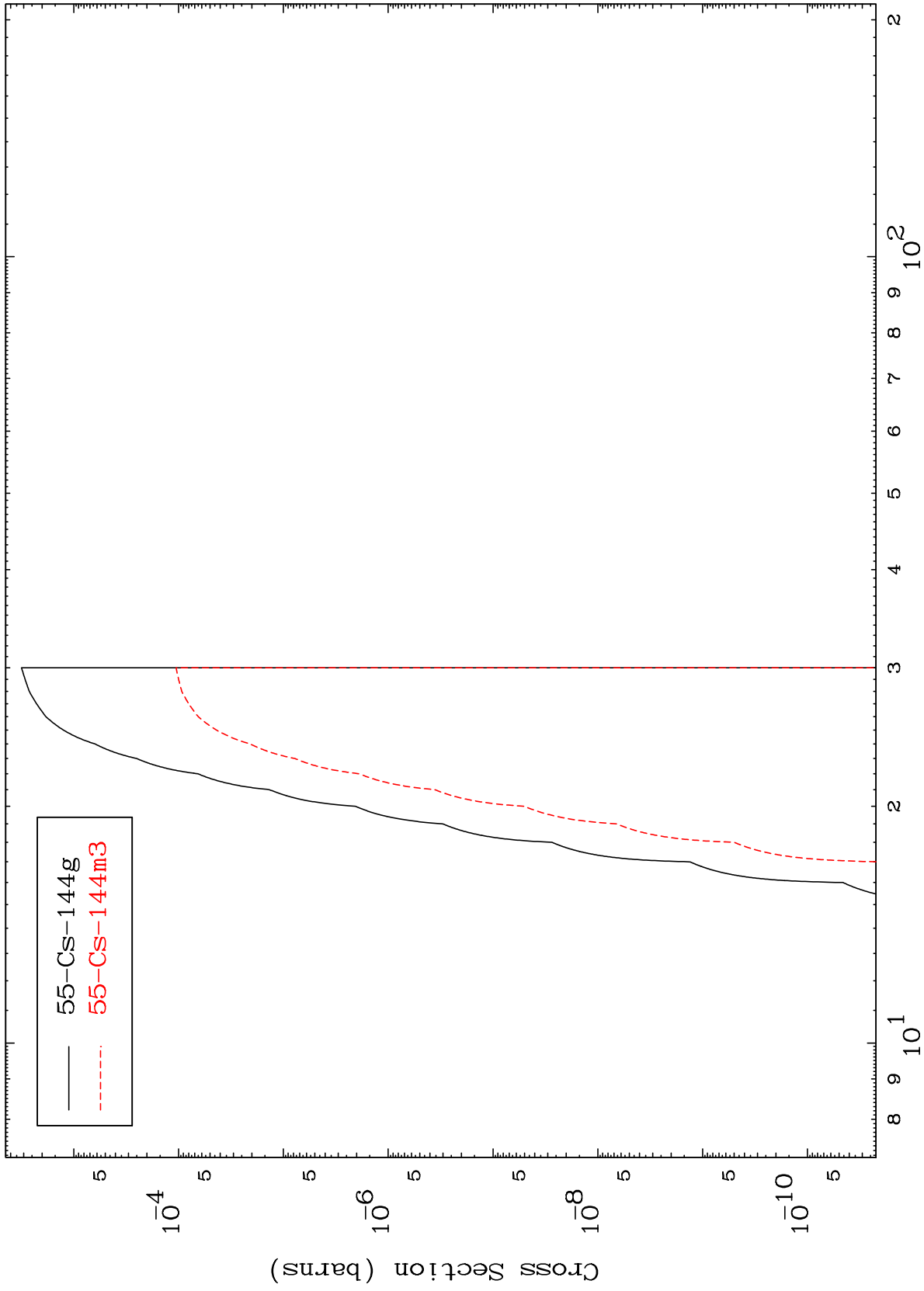
132

MAT 5758

(n,2n) α

57-La-149

Radionuclide Production Cross Section



133

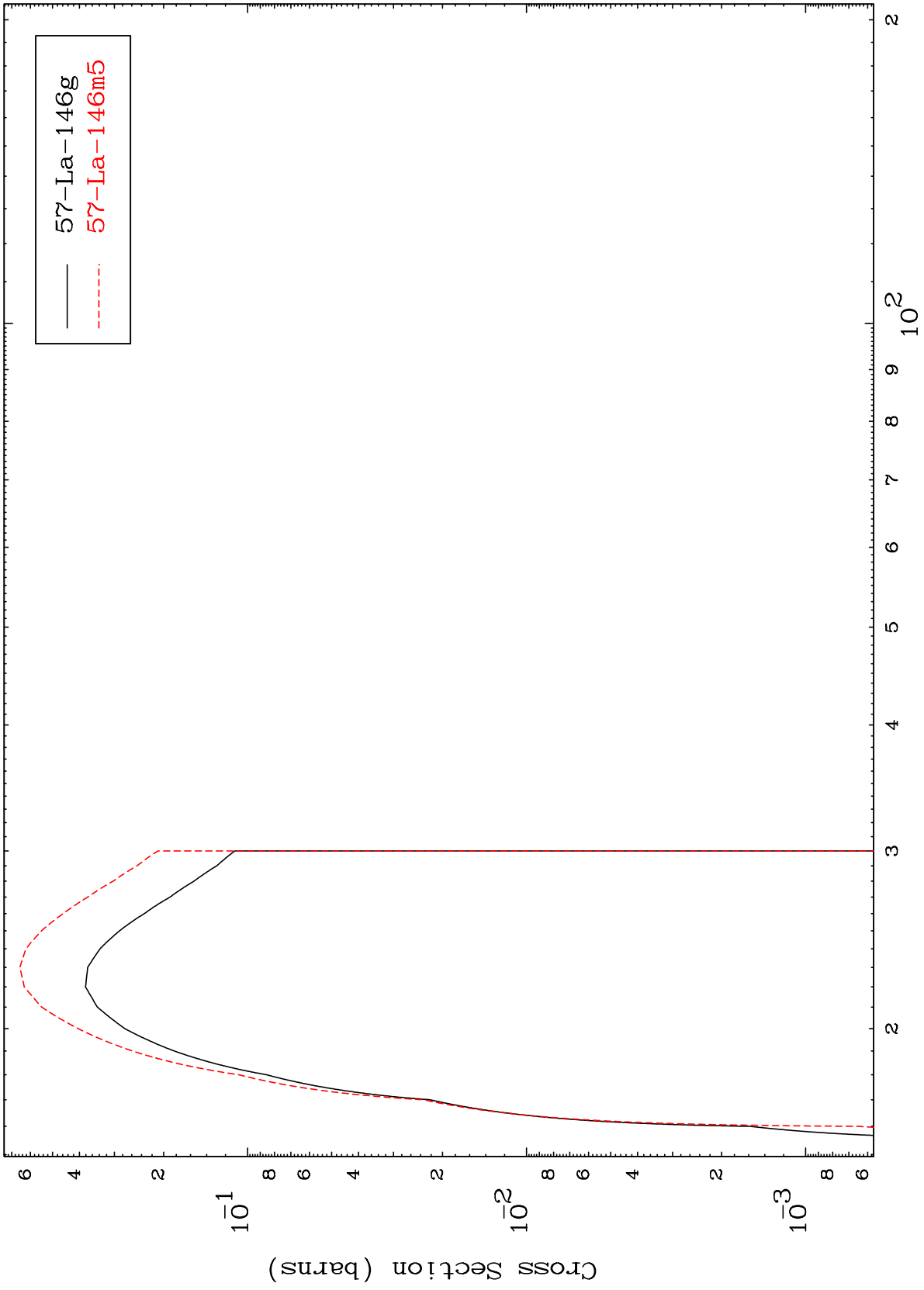
Incident Energy (MeV)

57-La-149

MAT 5758

57-La-149

(n,4n)
Radionuclide Production Cross Section



57-La-146g
57-La-146m5

134

57-La-149

Incident Energy (MeV)