

Program EVALPLOT
(Version 2021-1)

by

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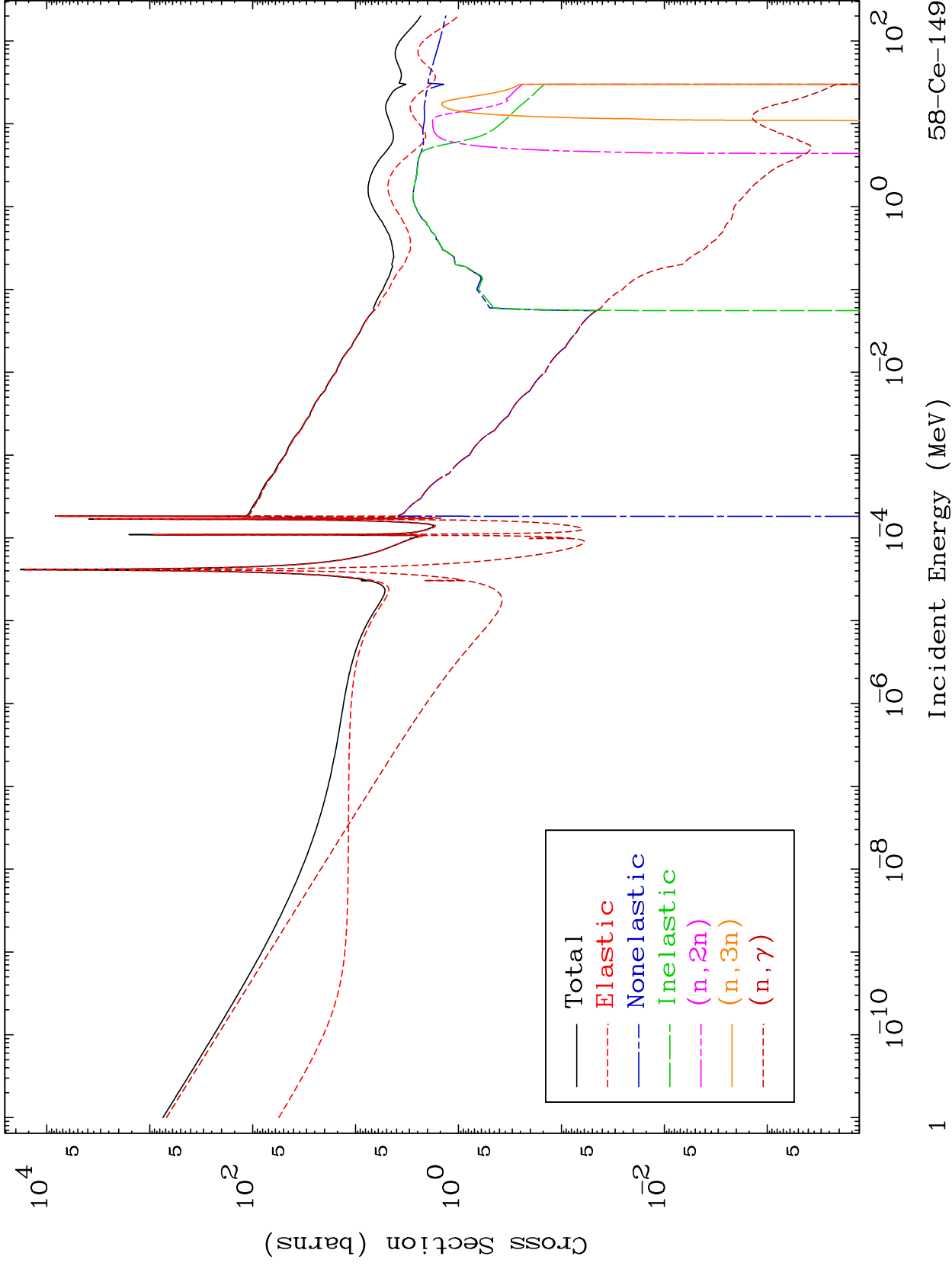
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Press Mouse Button to Start

MAT 5864

Neutron Major
293 Kelvin Cross Sections

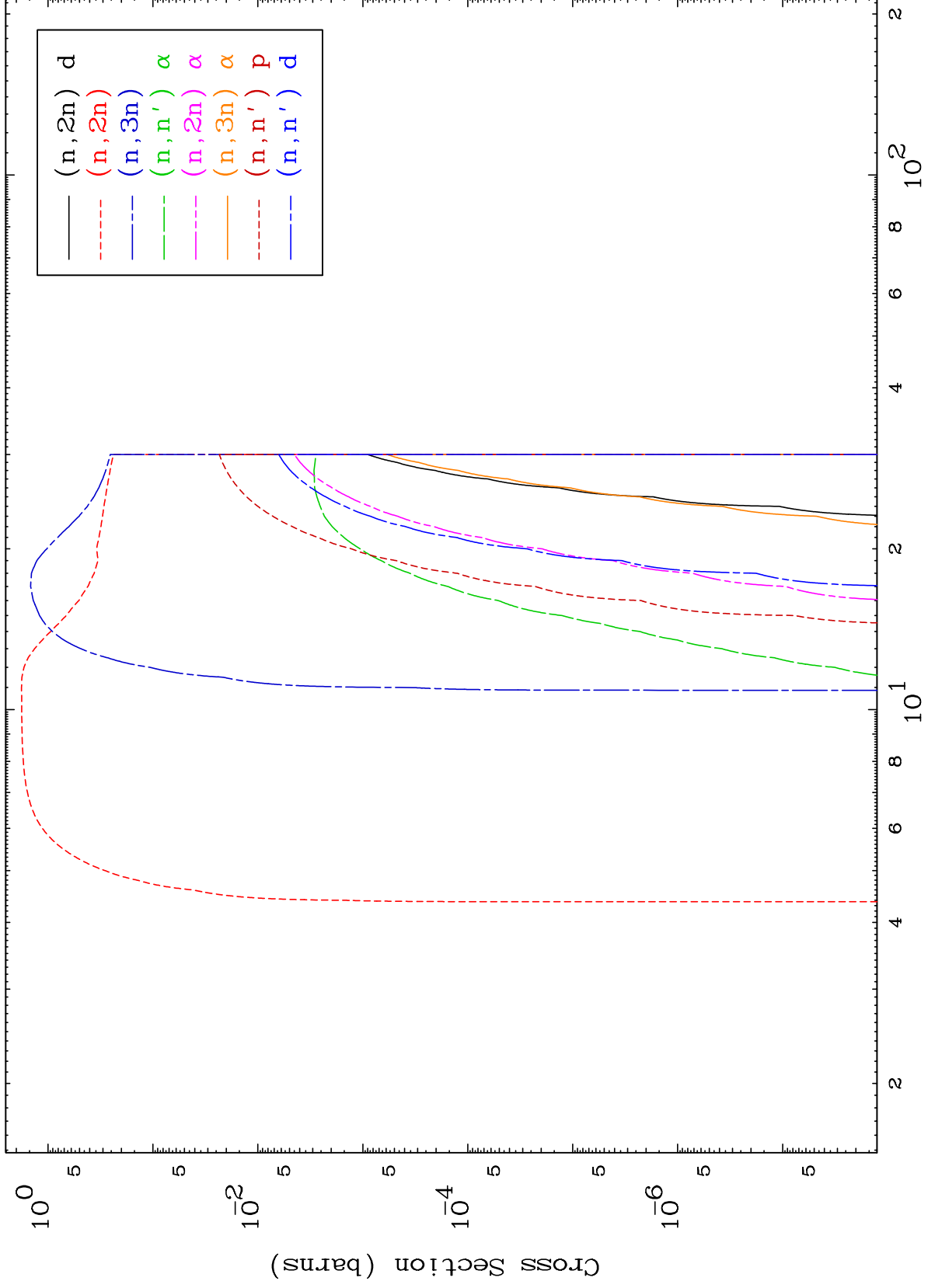
58-Ce-149



MAT 5864

Neutron Absorption
293 Kelvin Cross Sections

58-Ce-149



2

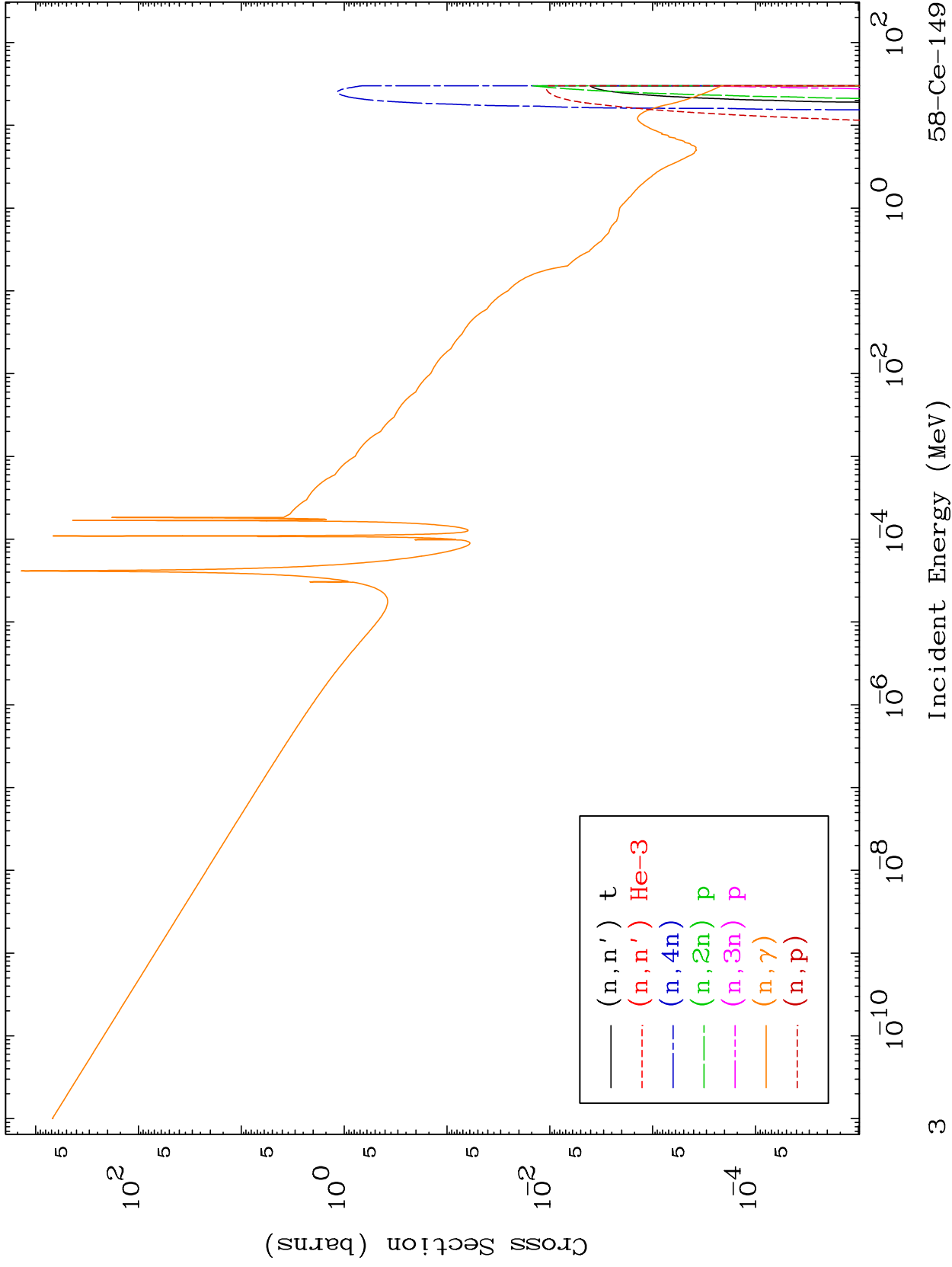
Incident Energy (MeV)

58-Ce-149

MAT 5864

Neutron Absorption
293 Kelvin Cross Sections

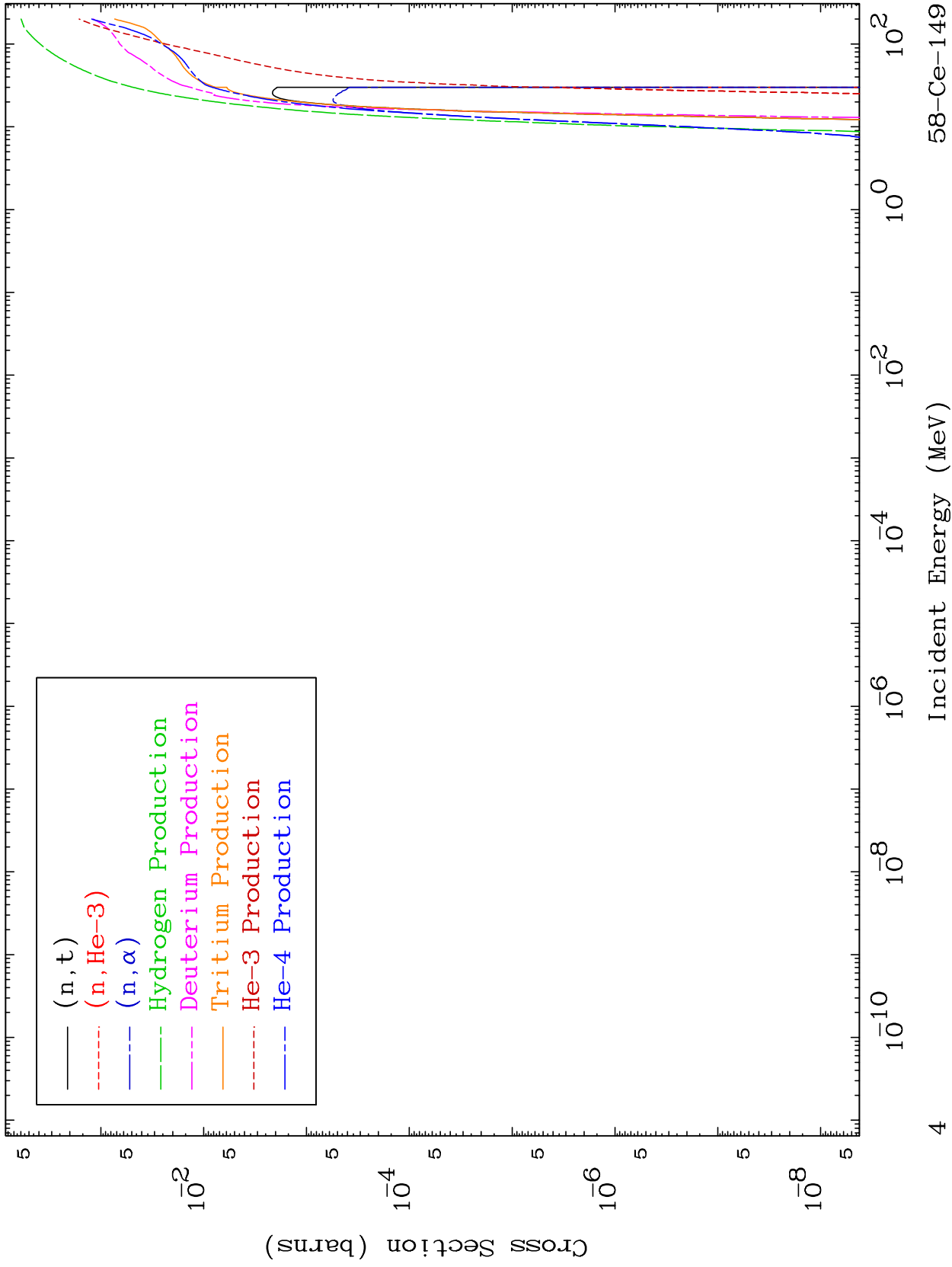
58-Ce-149



MAT 5864

Neutron Absorption
293 Kelvin Cross Sections

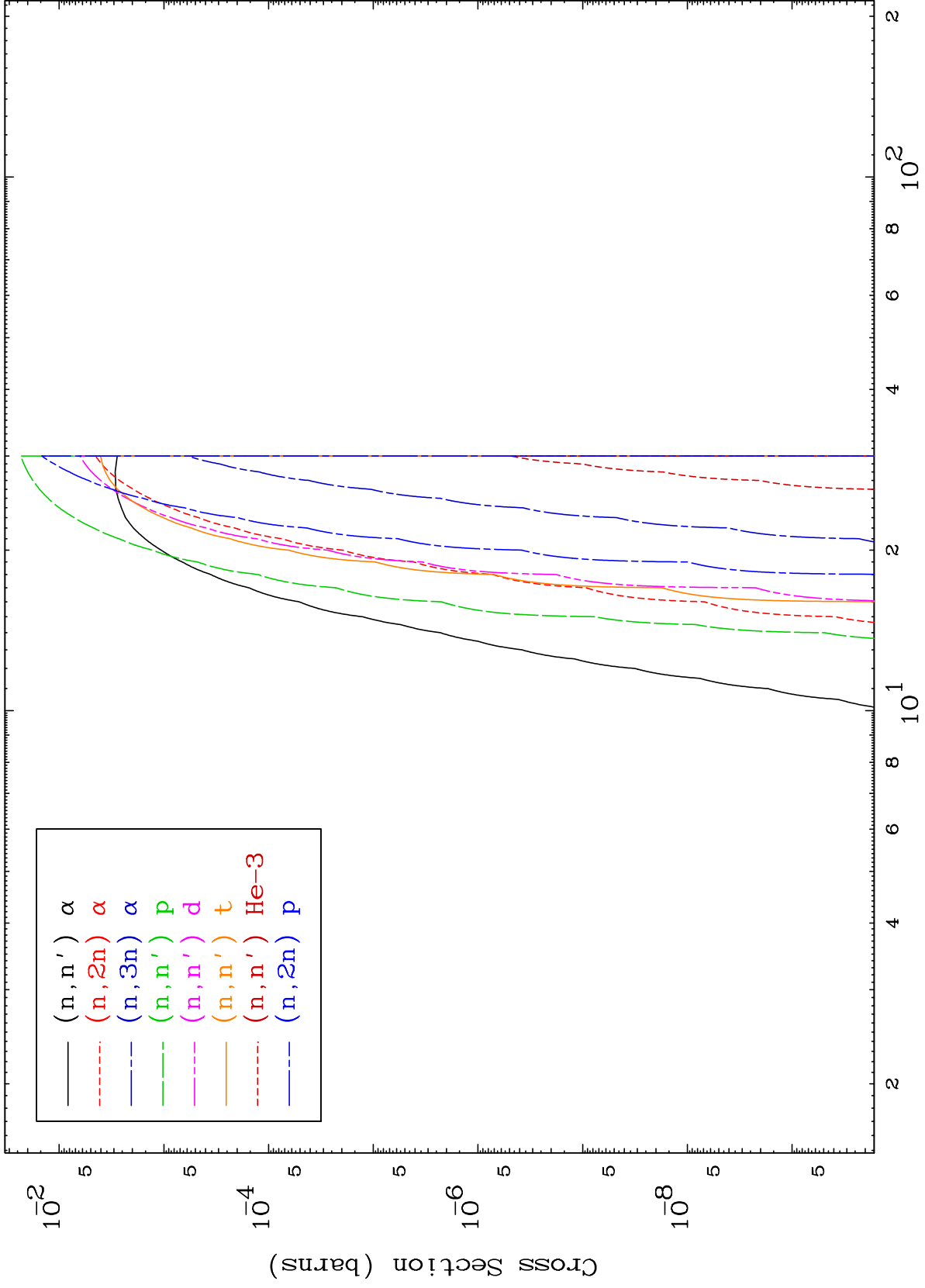
58-Ce-149



MAT 5864

Charged Particle
293 Kelvin Cross Sections

58-Ce-149



5

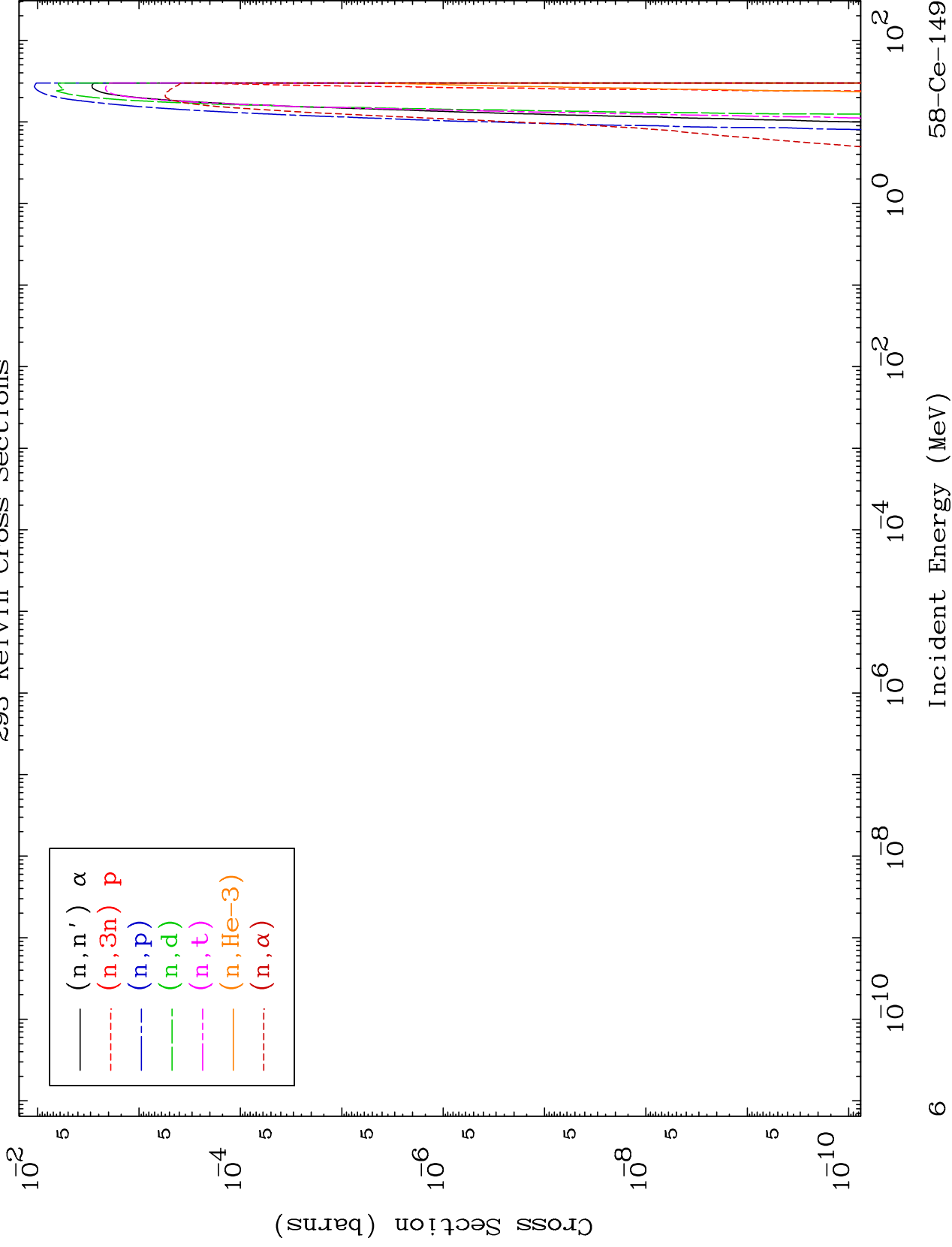
Incident Energy (MeV)

58-Ce-149

MAT 5864

Charged Particle
293 Kelvin Cross Sections

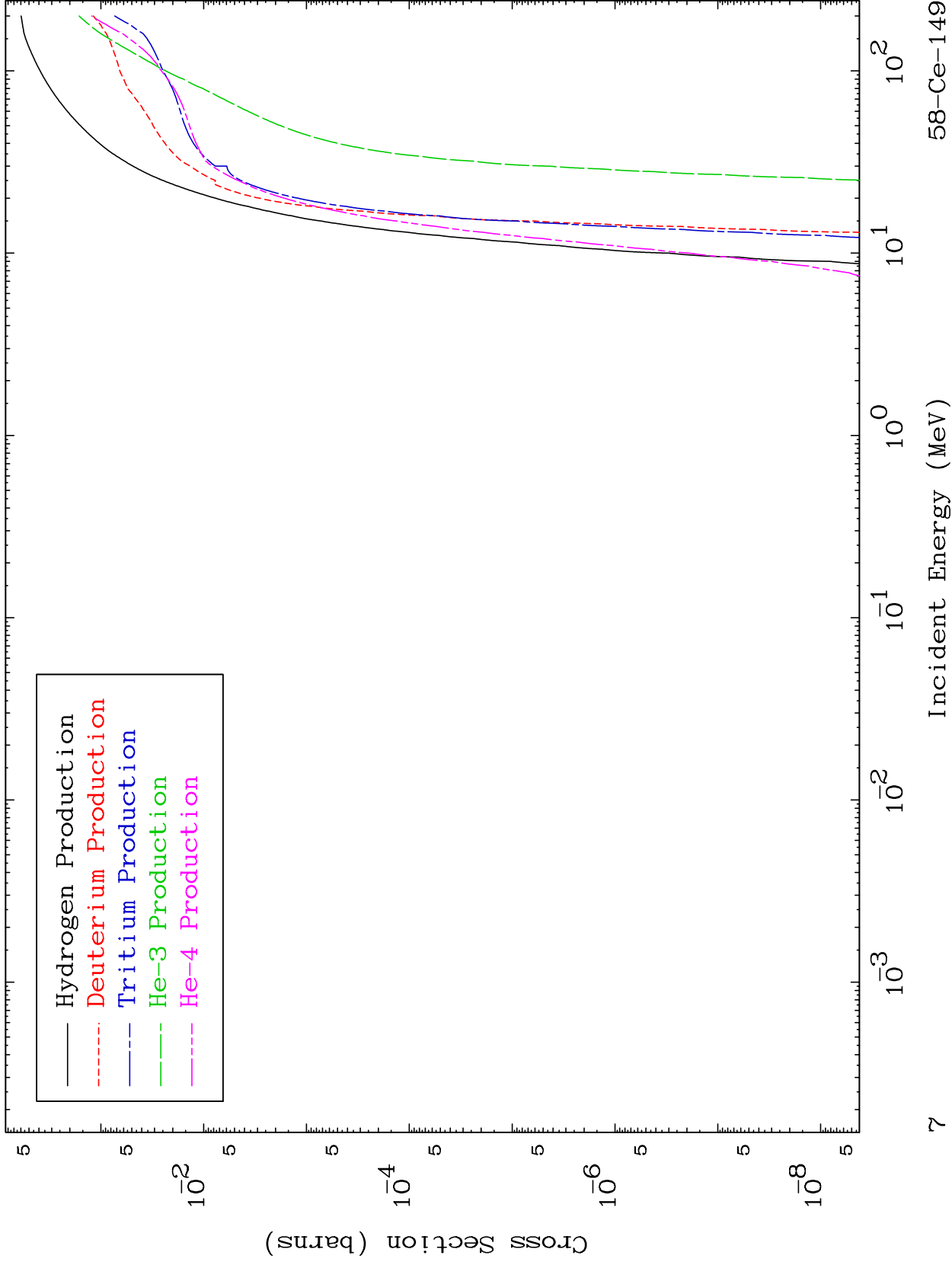
58-Ce-149



MAT 5864

Particle Production
293 Kelvin Cross Sections

58-Ce-149

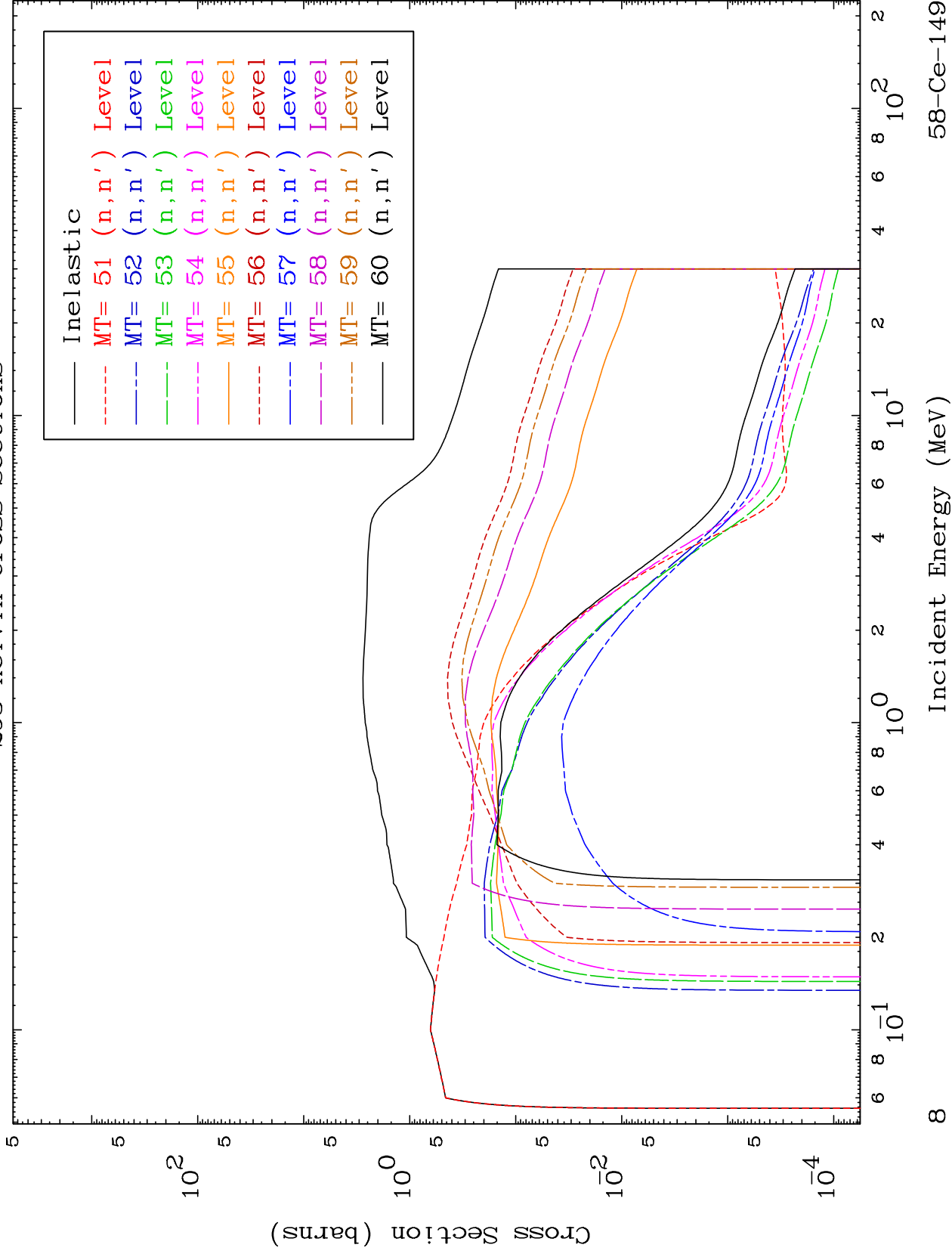


MAT 5864

(n,n') Levels

58-Ce-149

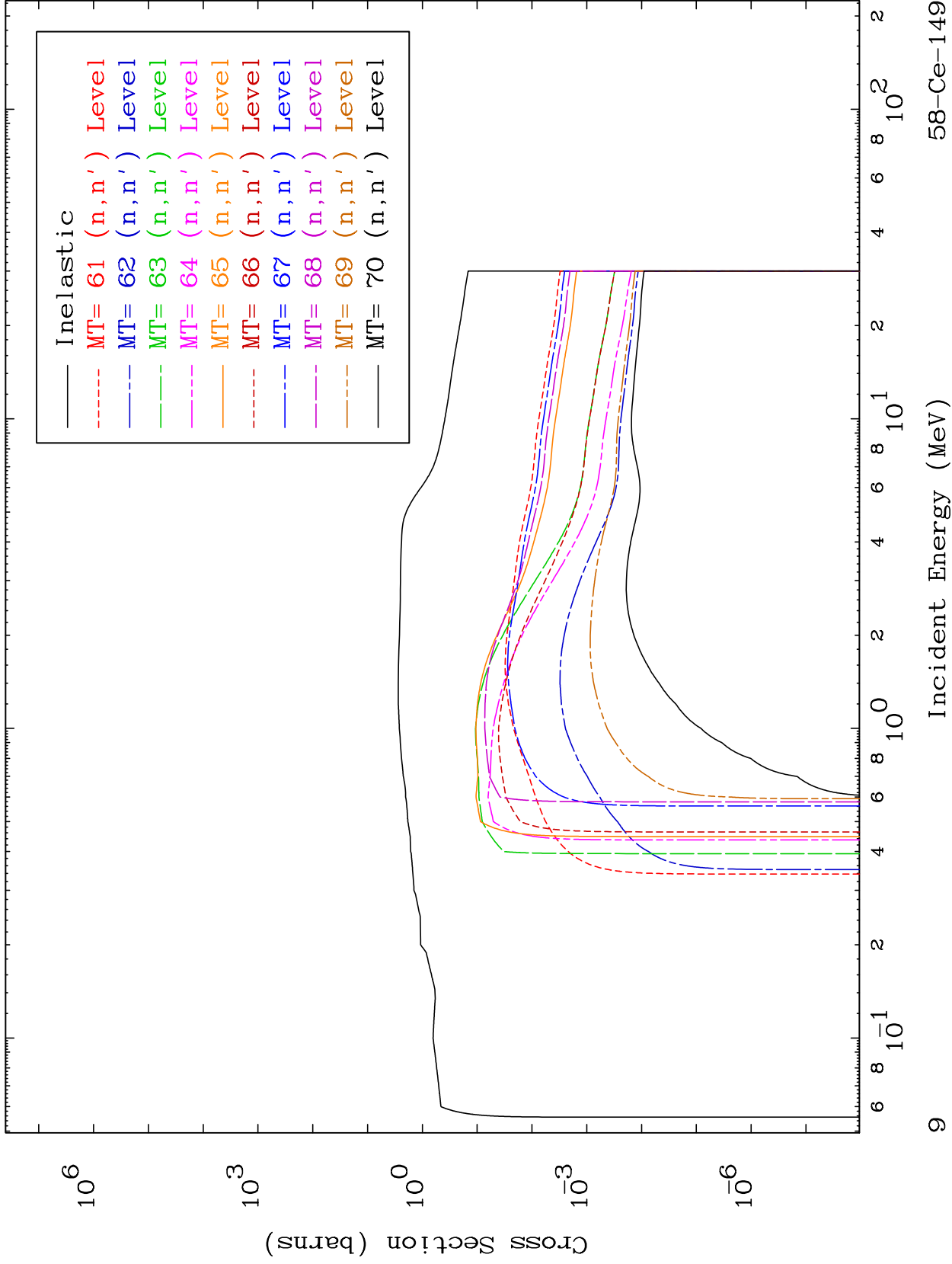
293 Kelvin Cross Sections



8

Incident Energy (MeV)

58-Ce-149

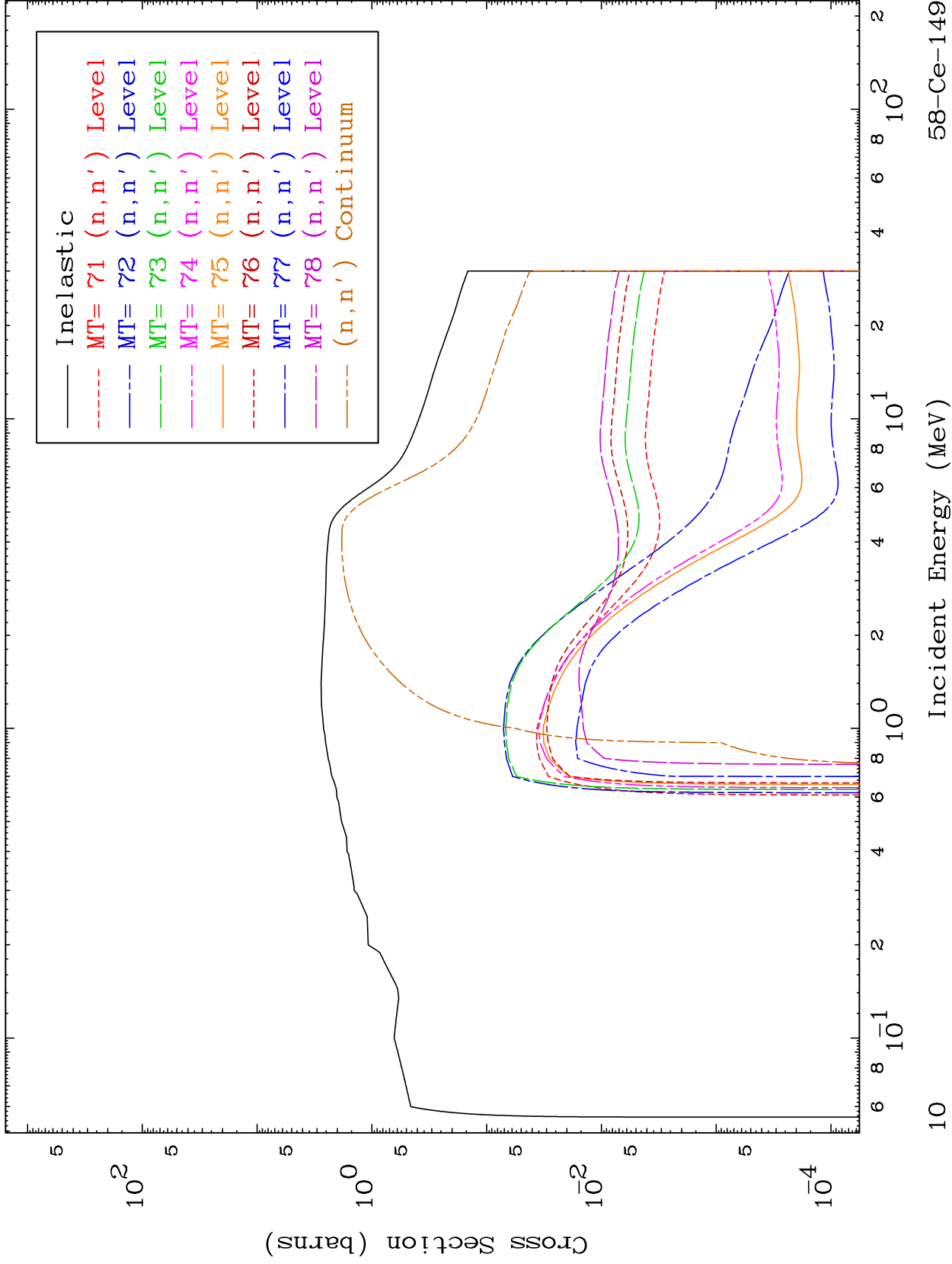


MAT 5864

(n,n') Levels

58-Ce-149

293 Kelvin Cross Sections



58-Ce-149

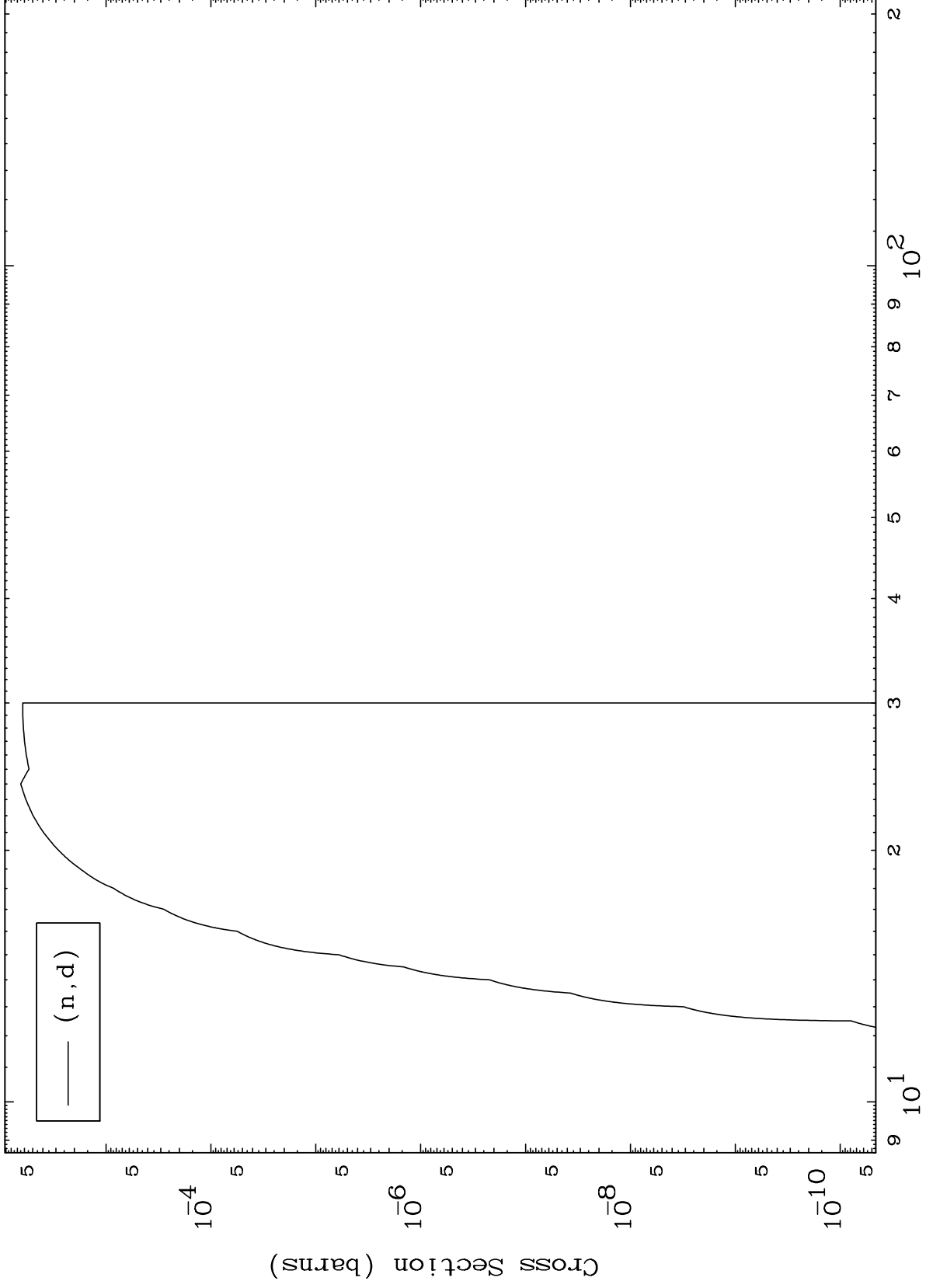
Incident Energy (MeV)

10

MAT 5864

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-149



12

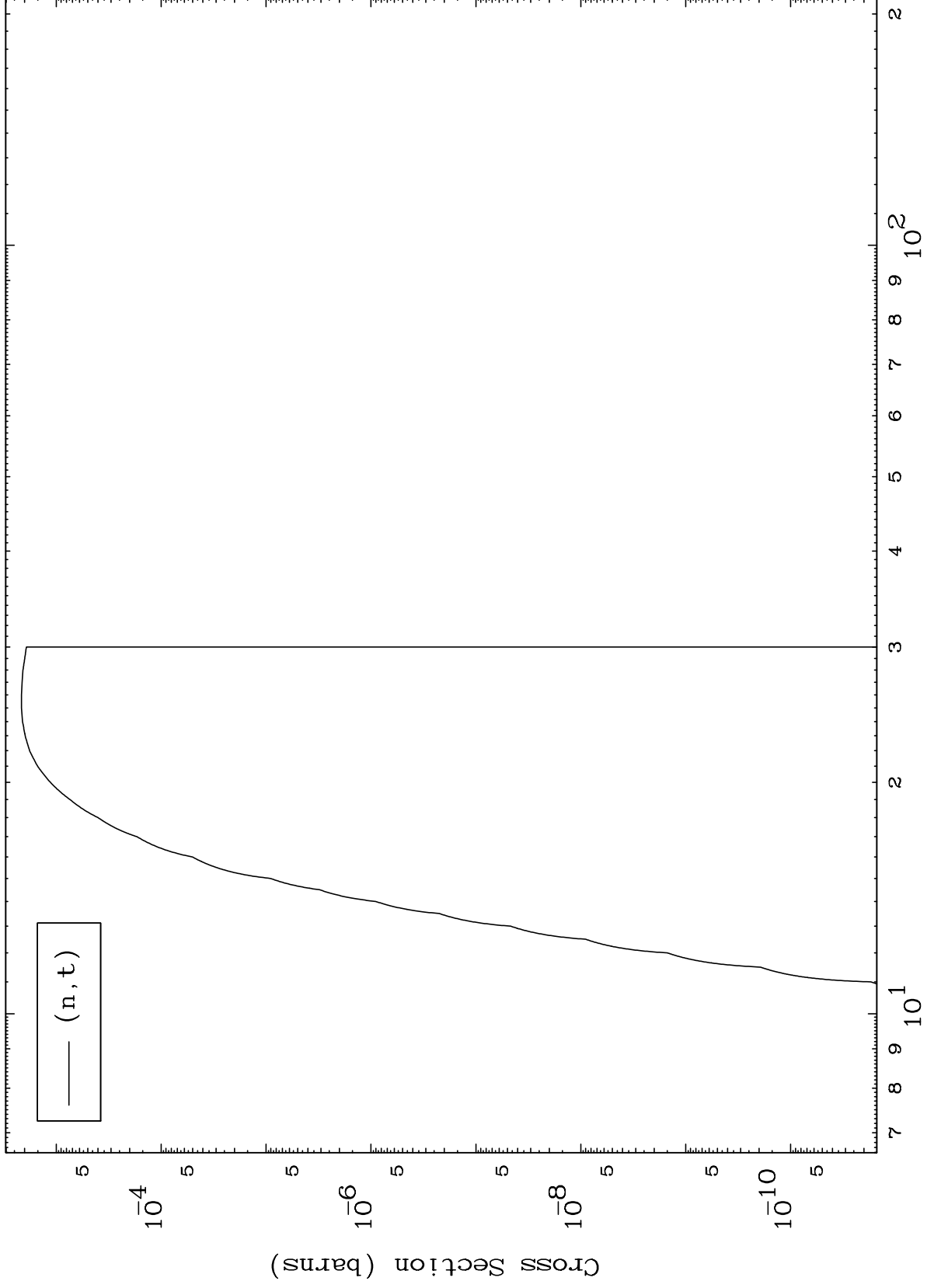
Incident Energy (MeV)

58-Ce-149

MAT 5864

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-149



13

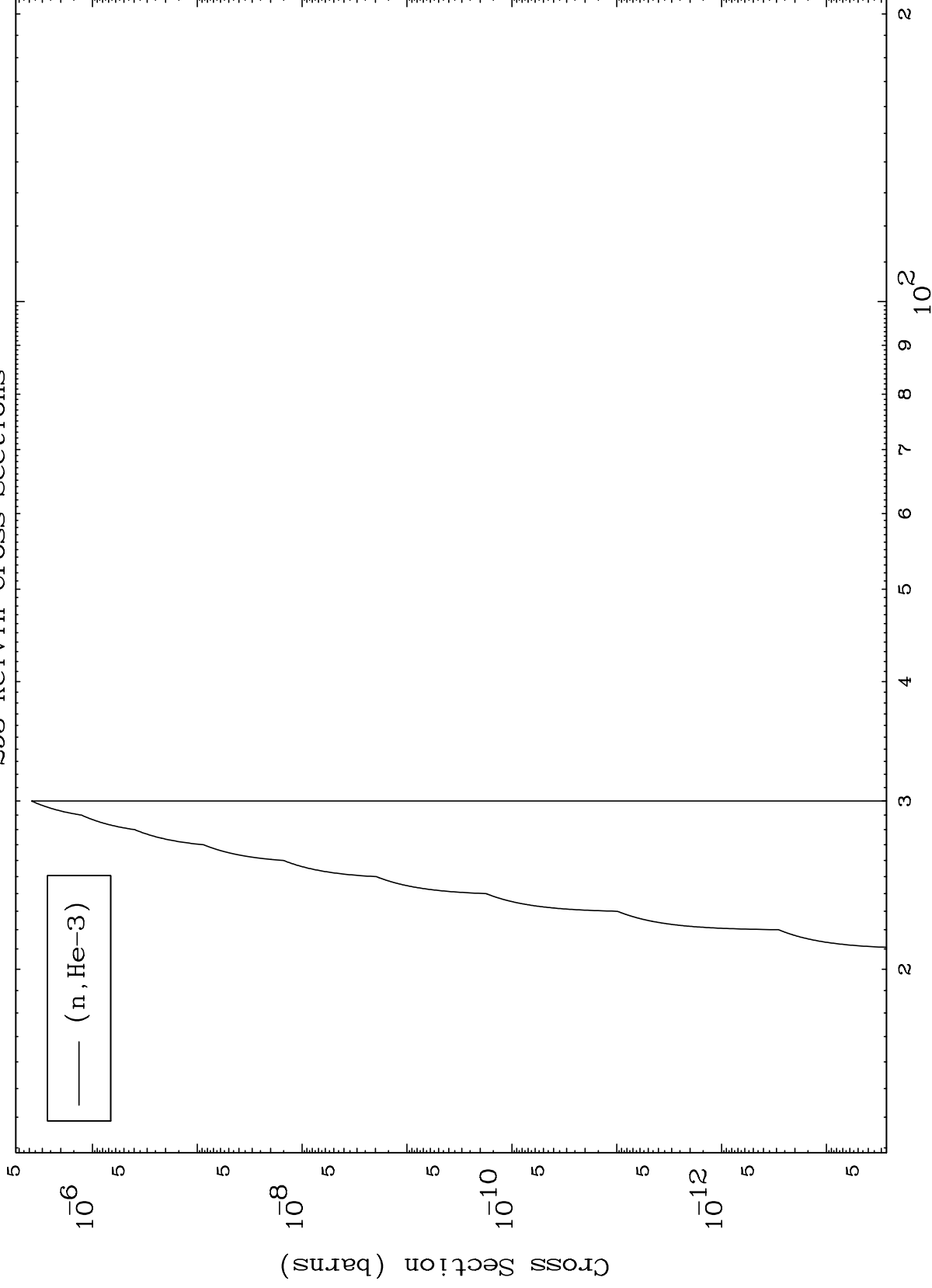
Incident Energy (MeV)

58-Ce-149

MAT 5864

(n,He3) Levels
293 Kelvin Cross Sections

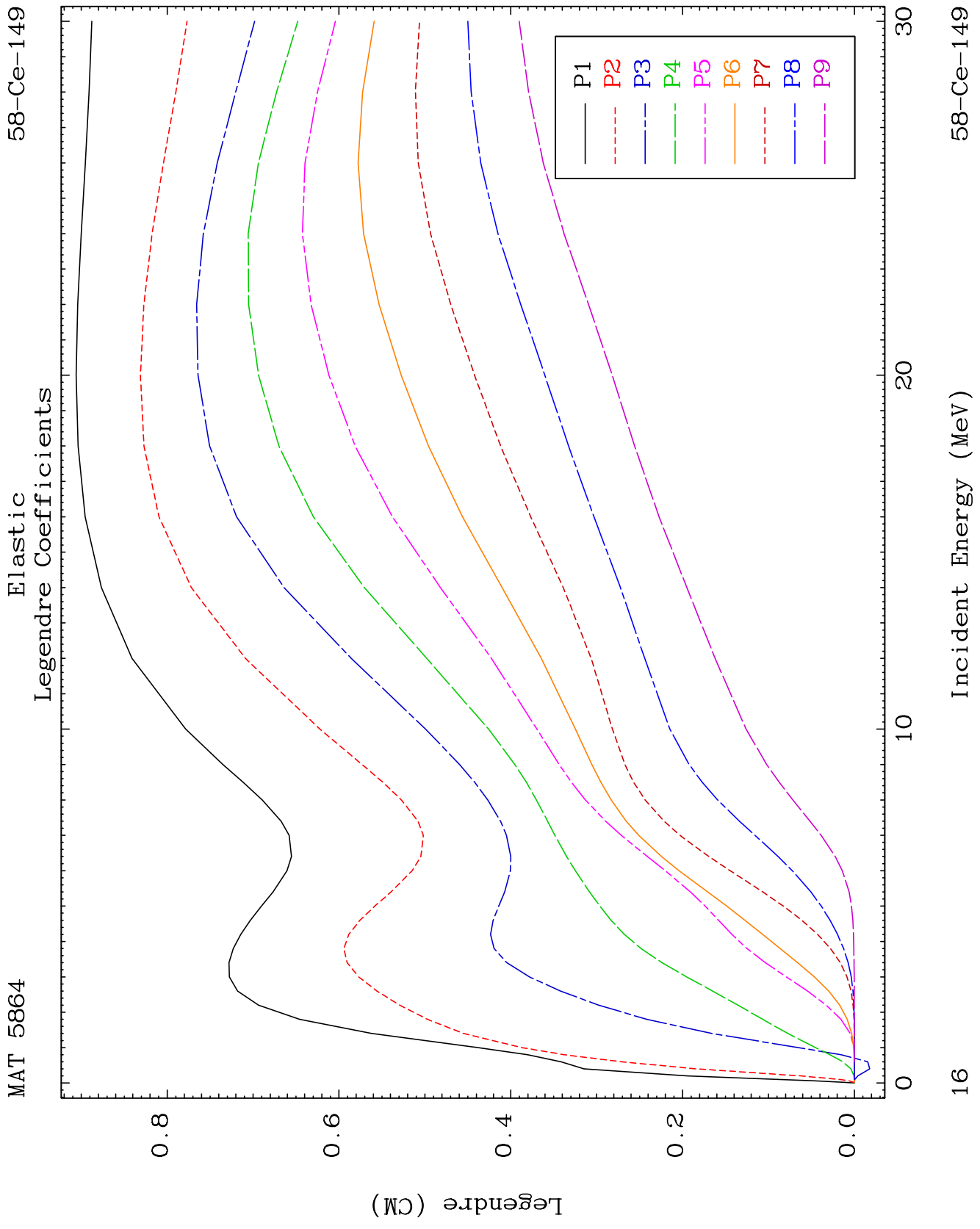
58-Ce-149



14

Incident Energy (MeV)

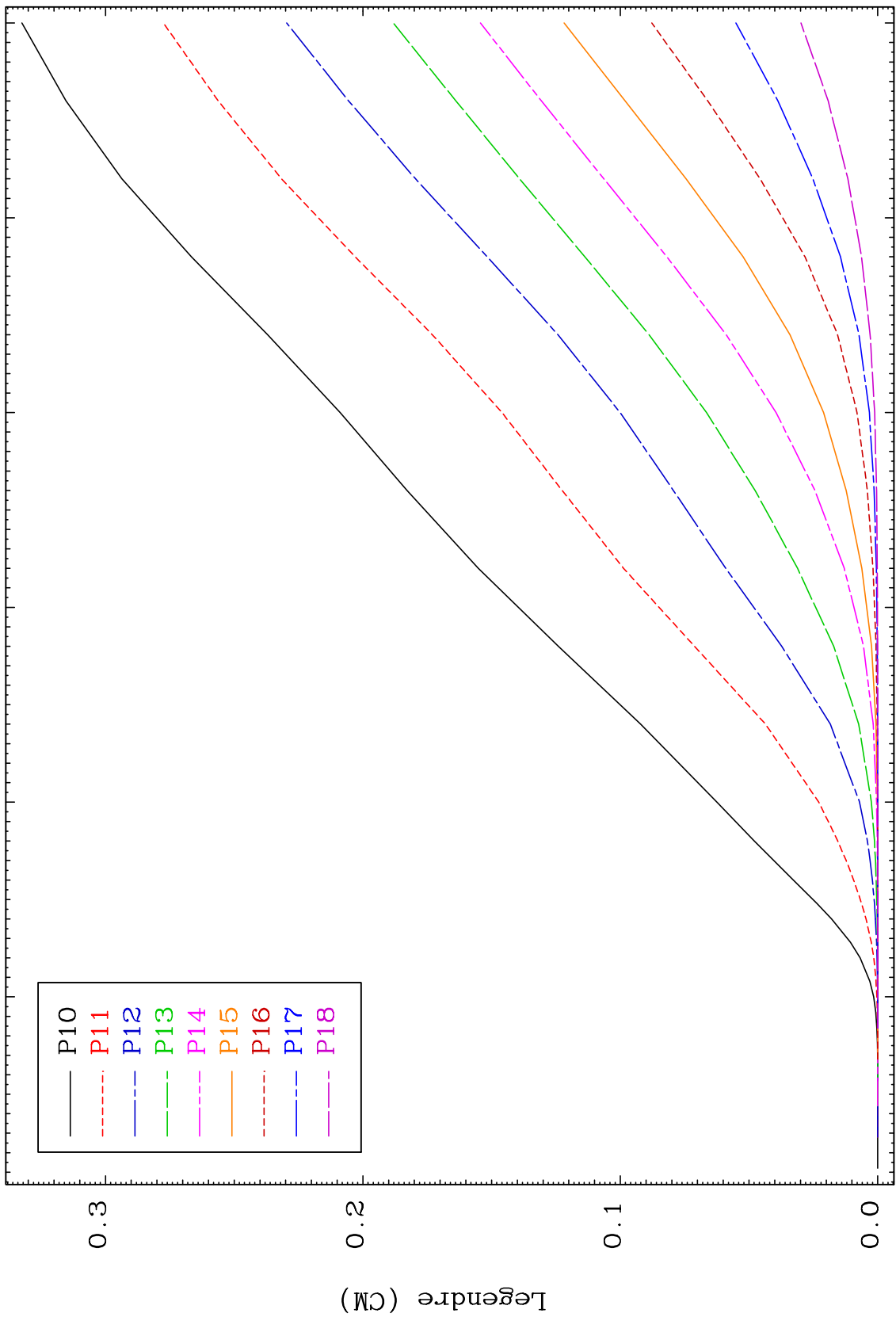
58-Ce-149



MAT 5864

Elastic Legendre Coefficients

58-Ce-149



17

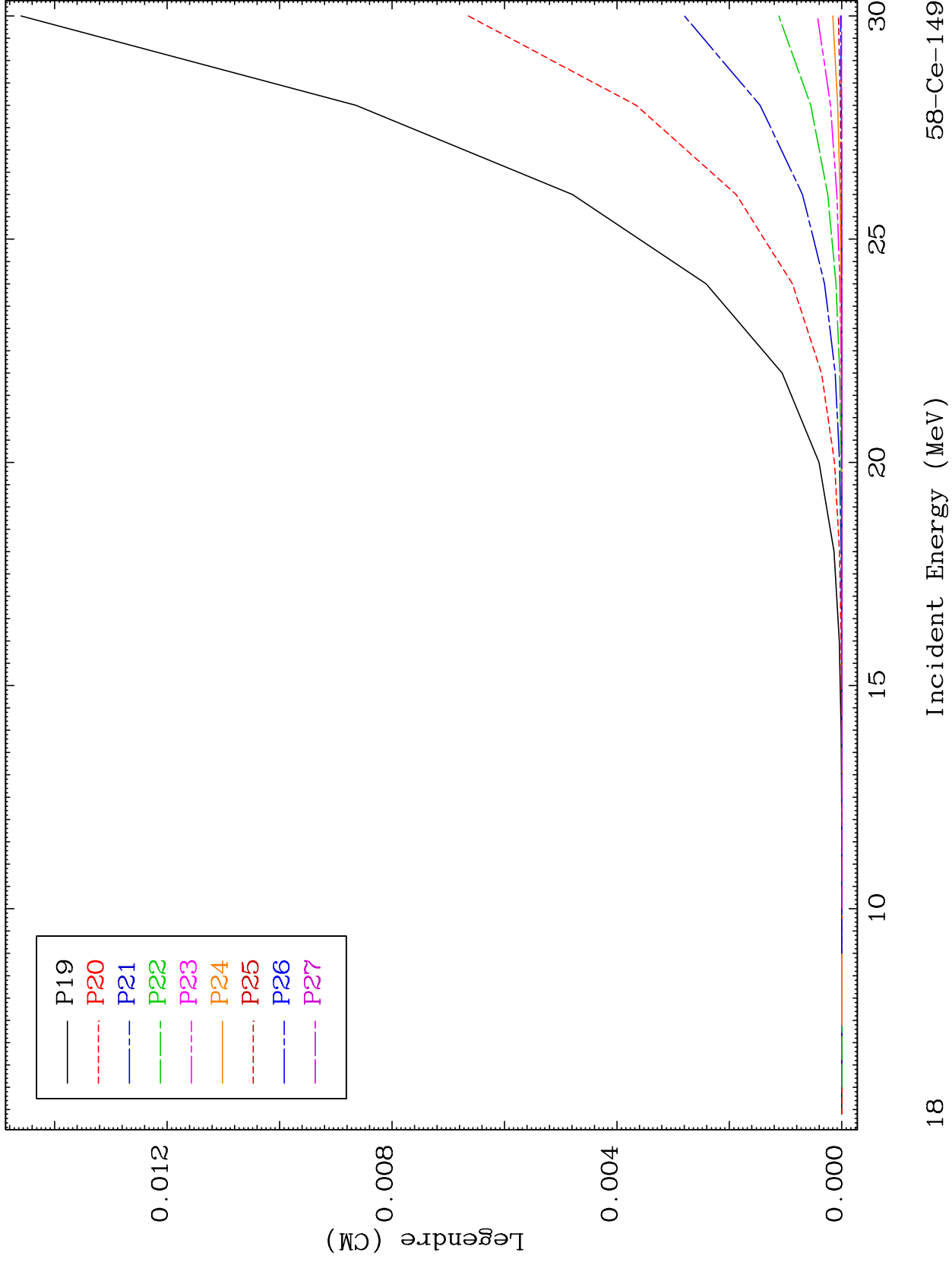
Incident Energy (MeV)

58-Ce-149

MAT 5864

Elastic Legendre Coefficients

58-Ce-149



18

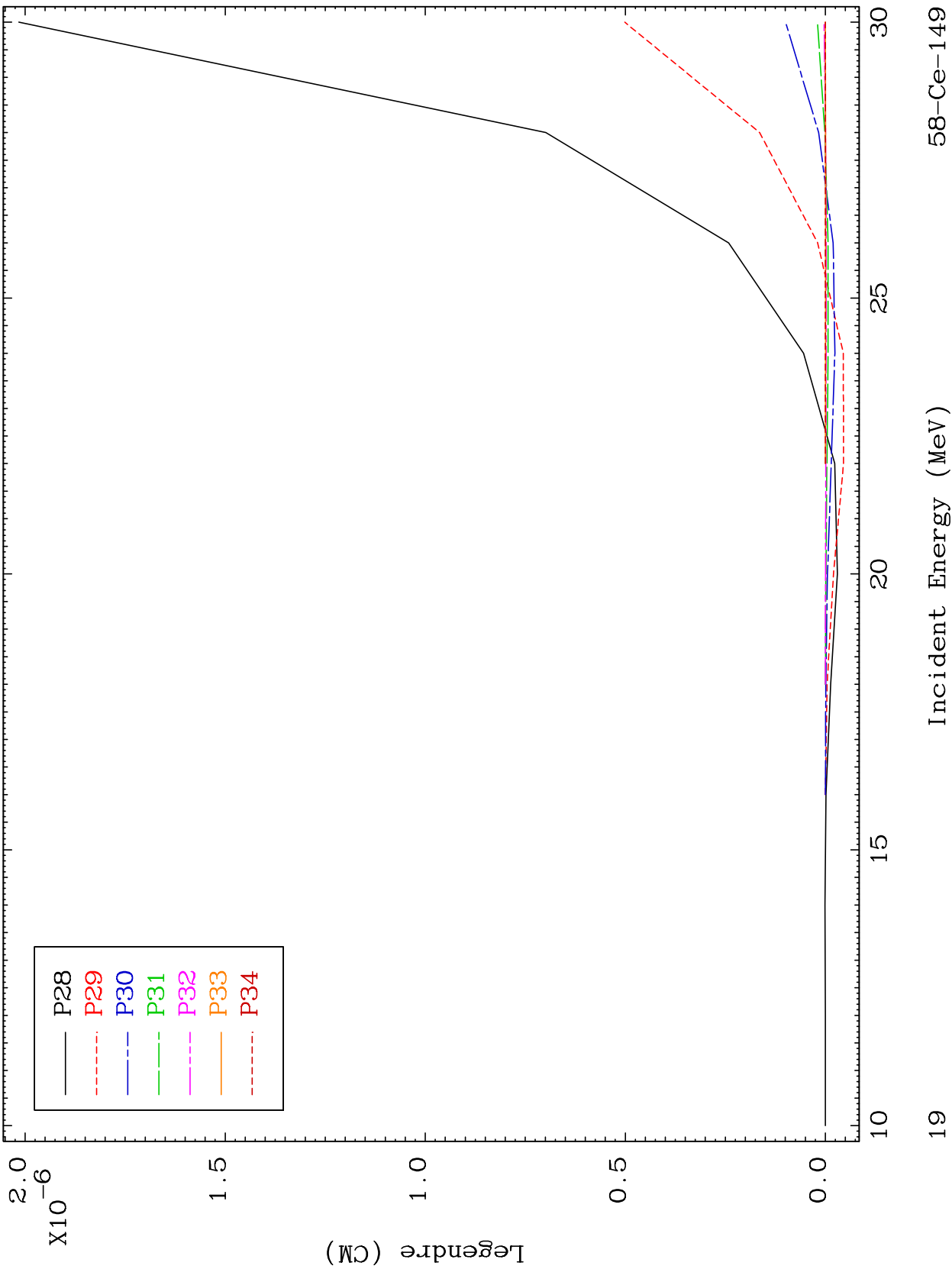
Incident Energy (MeV)

58-Ce-149

MAT 5864

Elastic
Legendre Coefficients

58-Ce-149



19

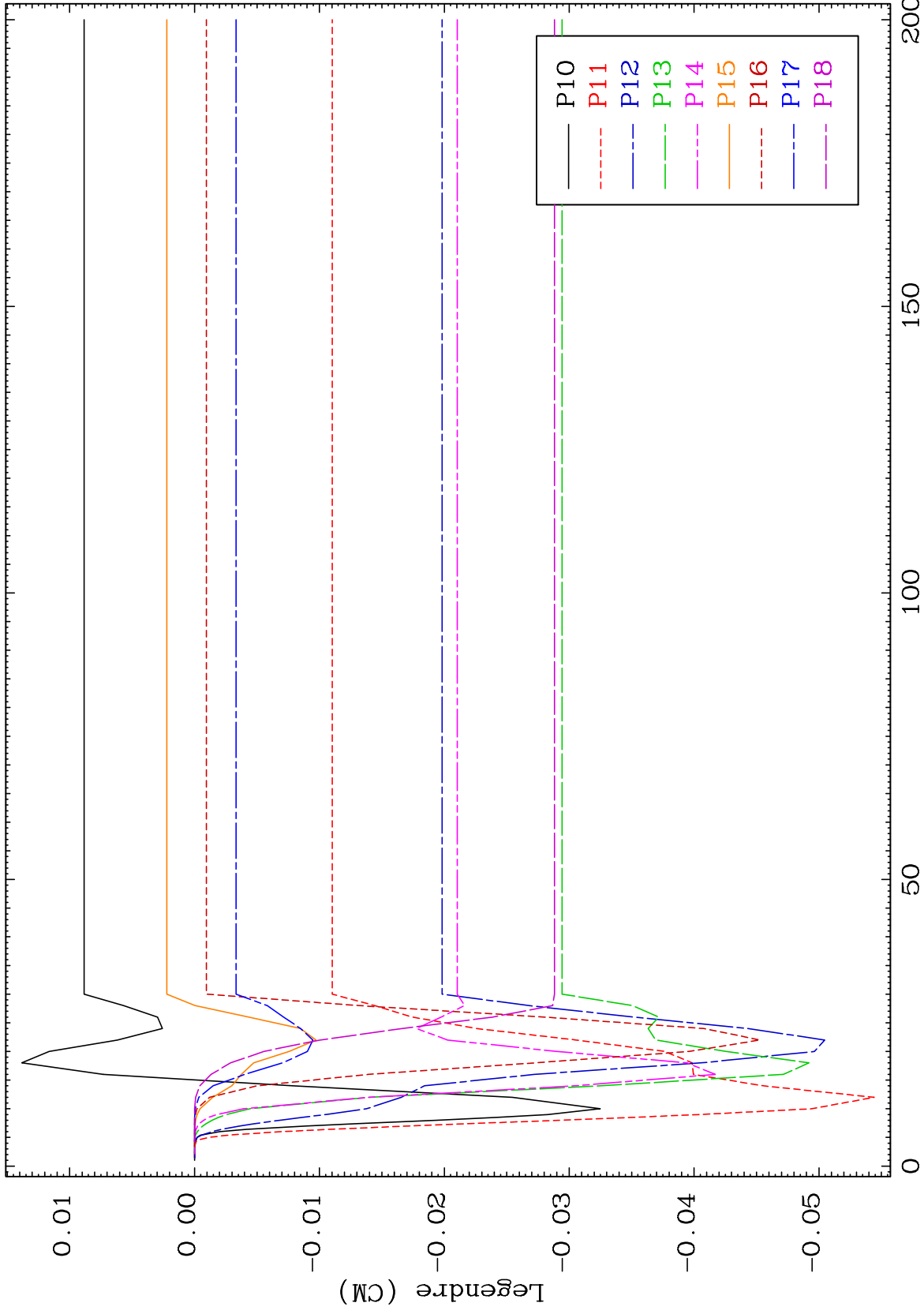
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



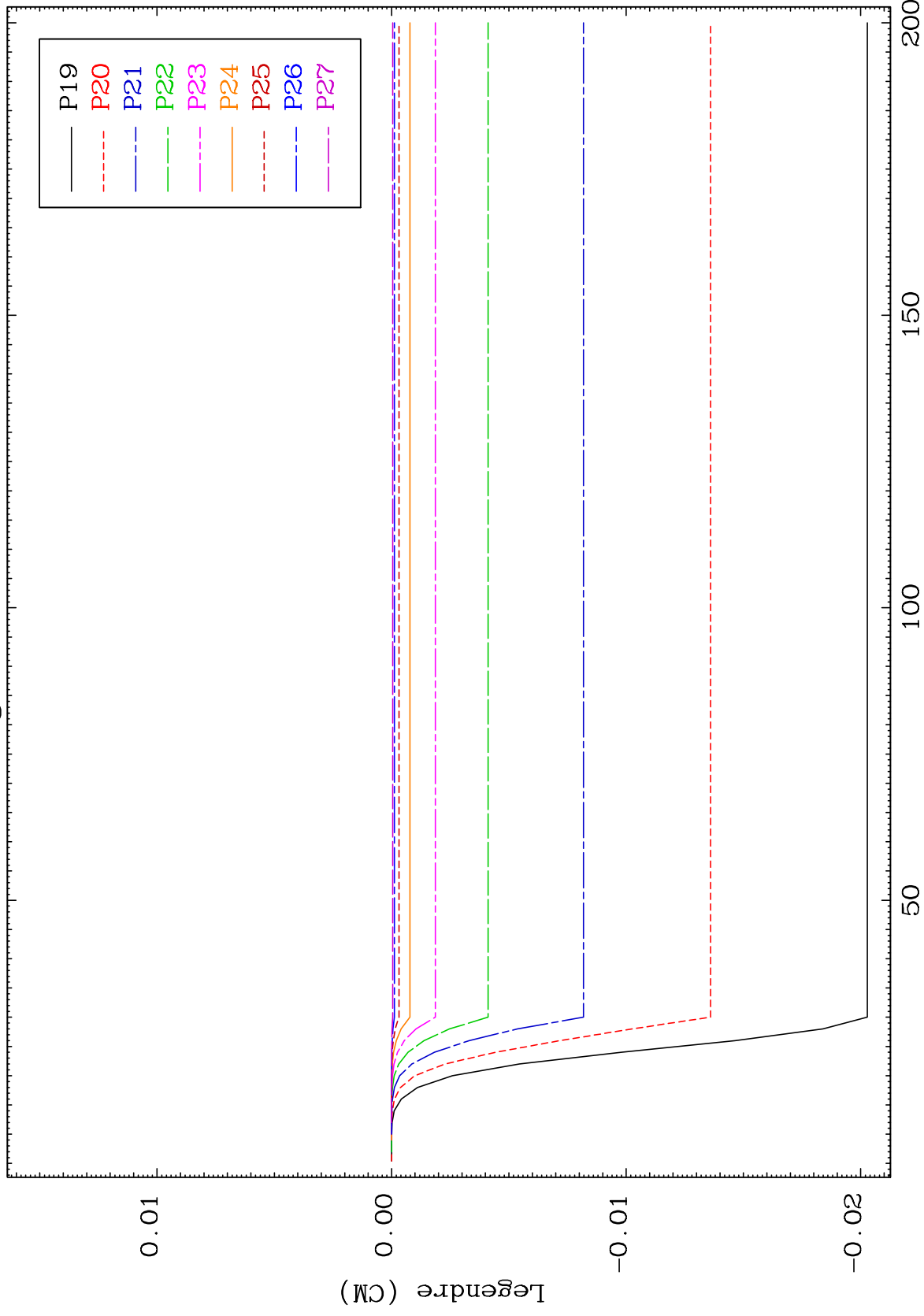
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58-Ce-149

MAT 5864

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

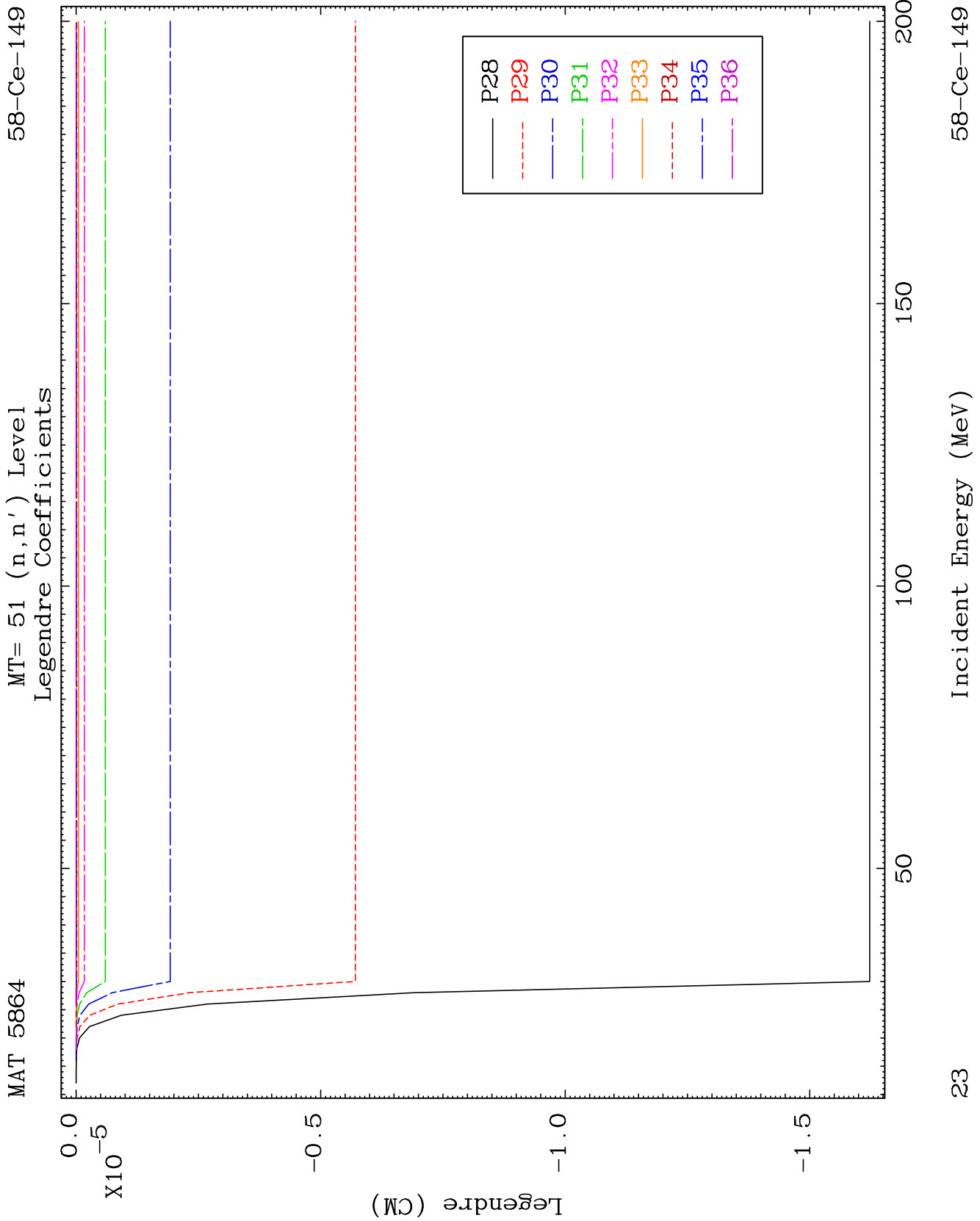
58-Ce-149



22

Incident Energy (MeV)

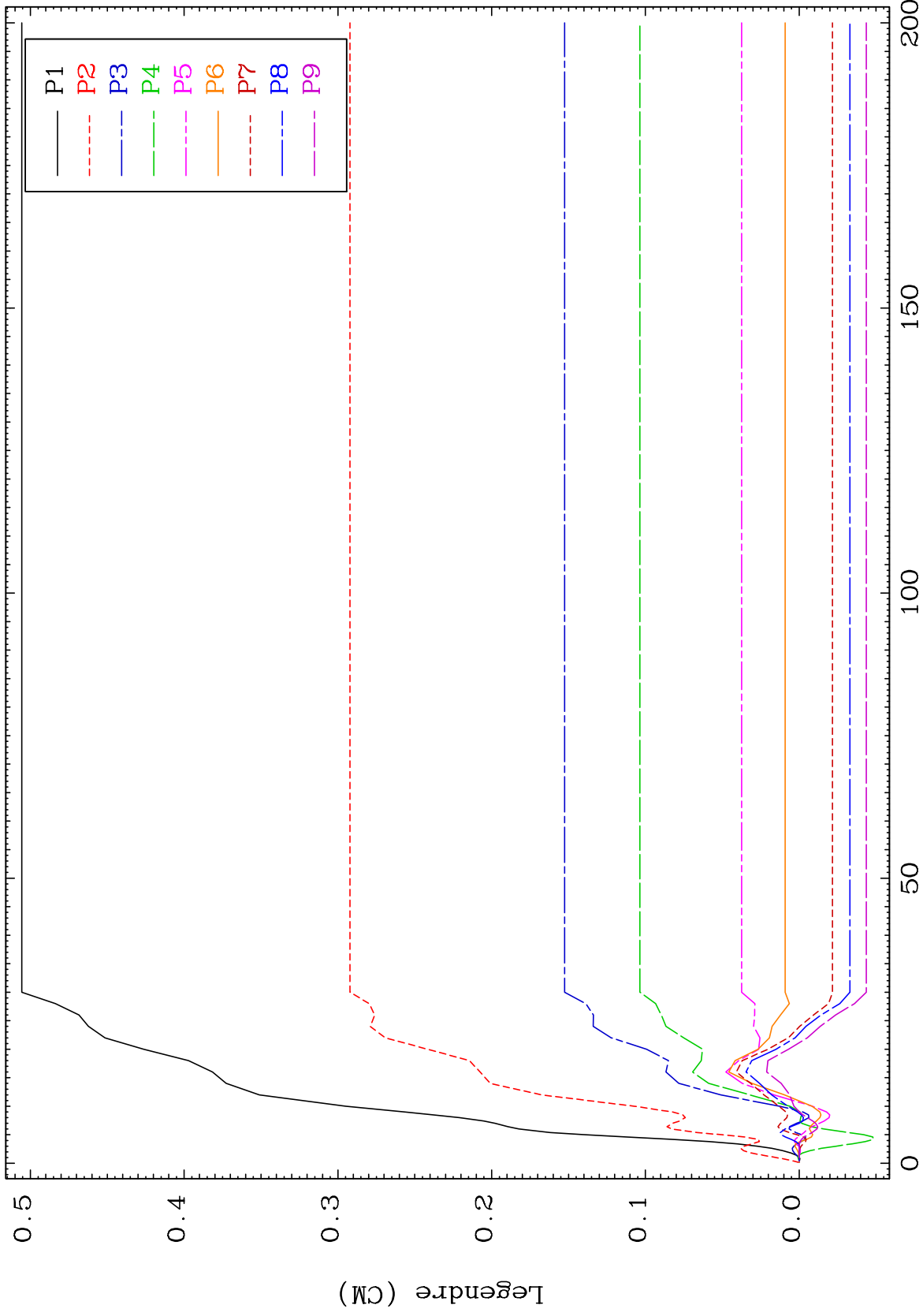
58-Ce-149



MAT 5864

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

58-Ce-149



24

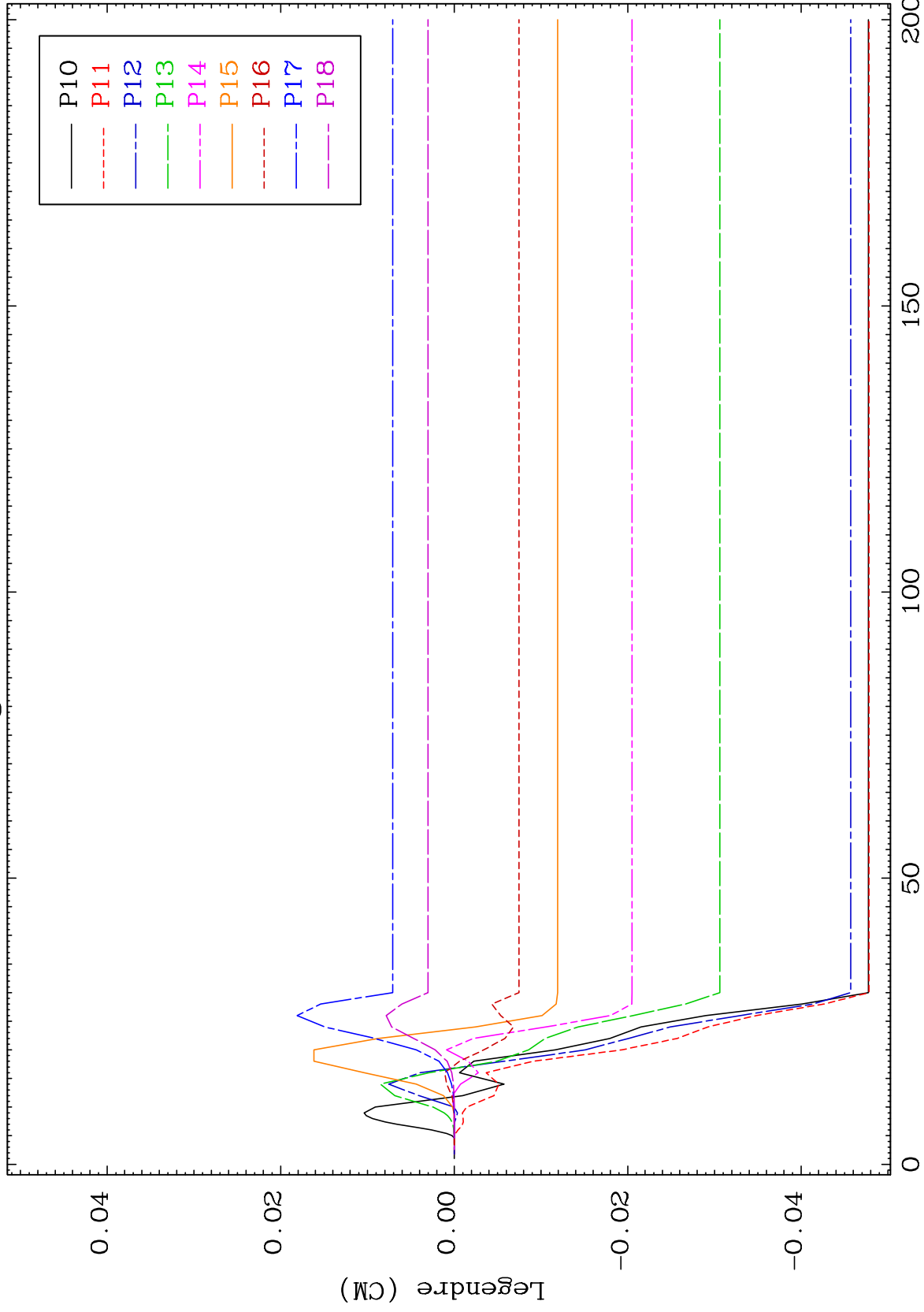
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

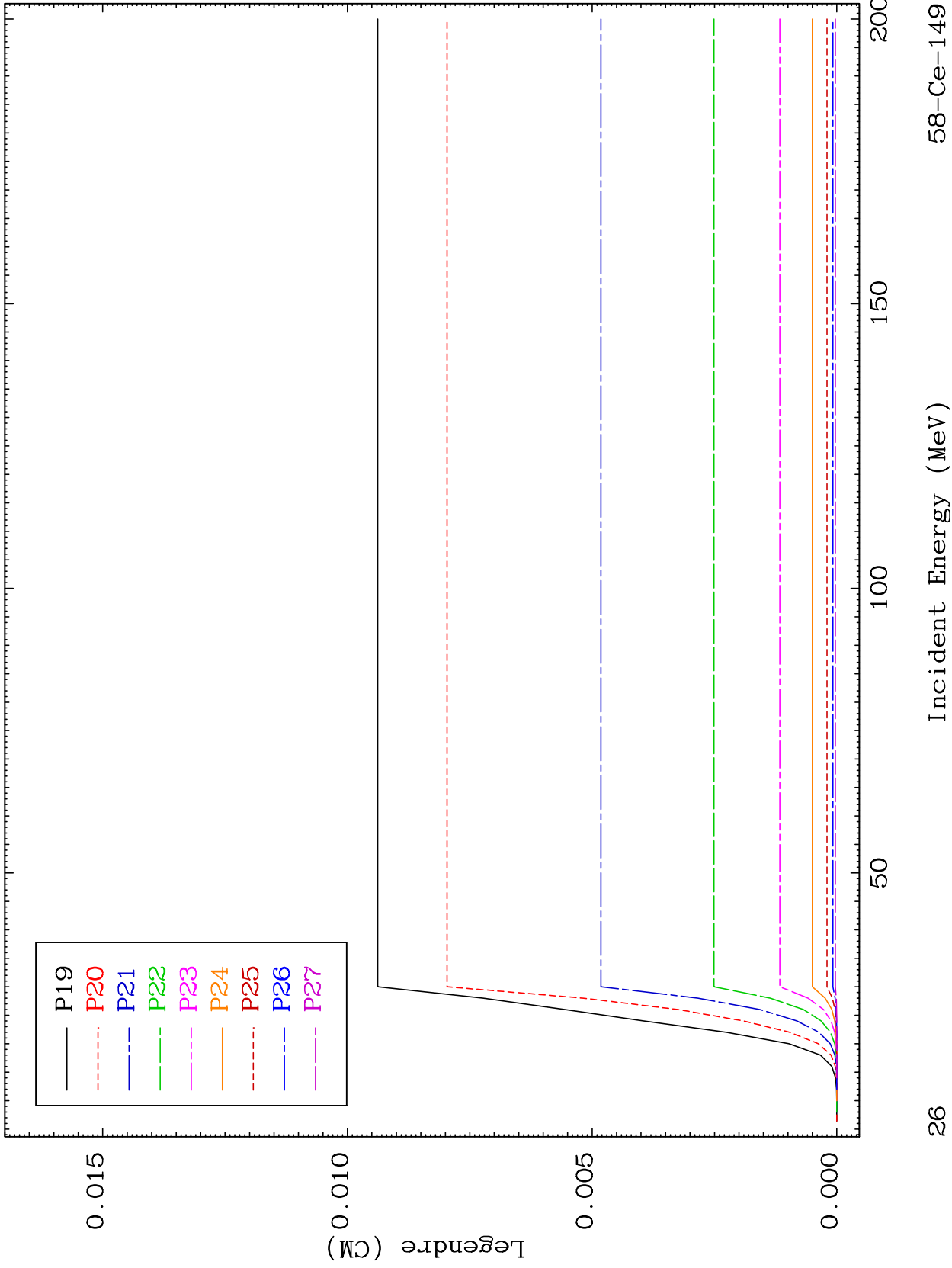
58-Ce-149



58-Ce-149

Incident Energy (MeV)

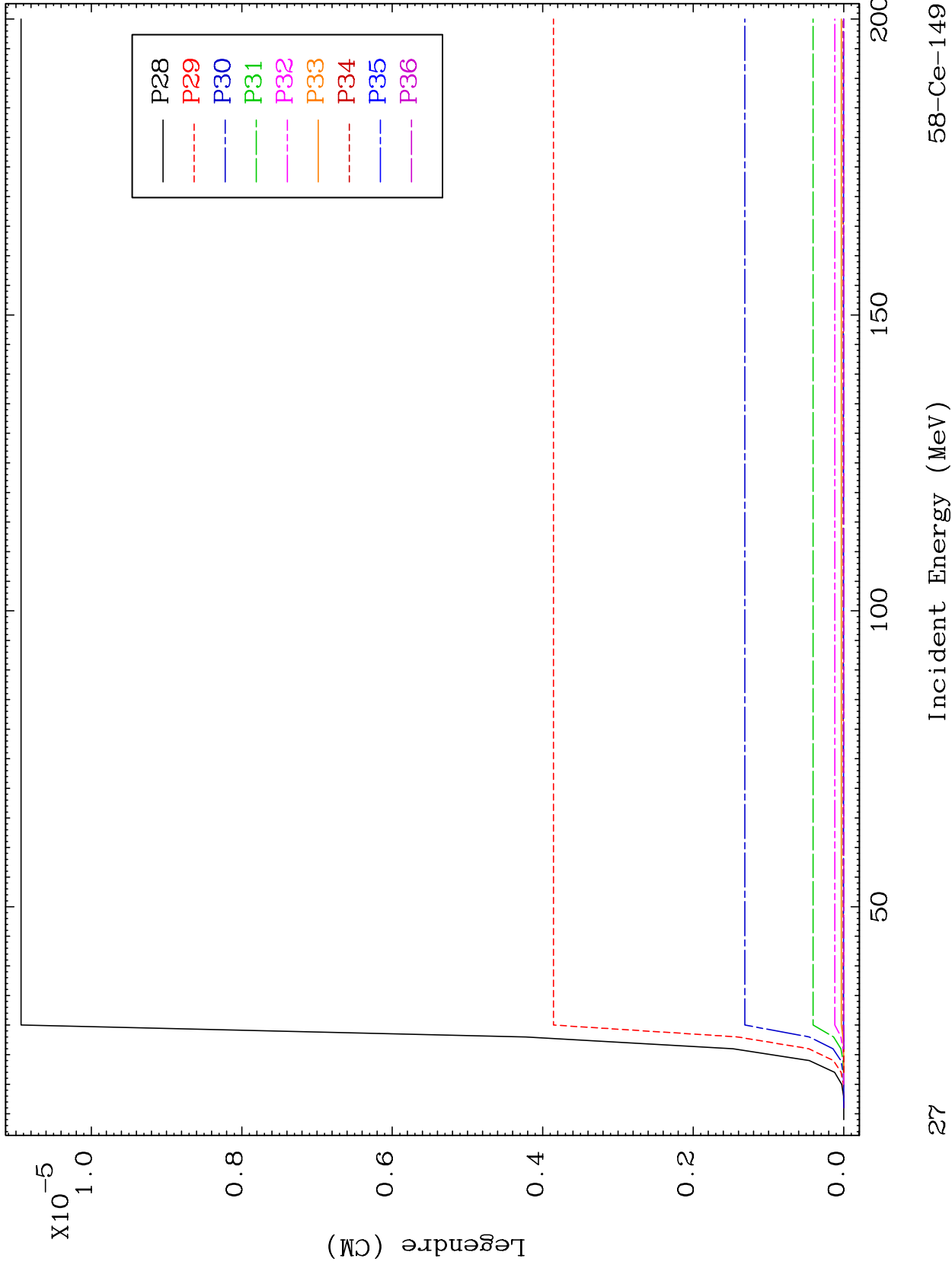
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MAT 5864

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

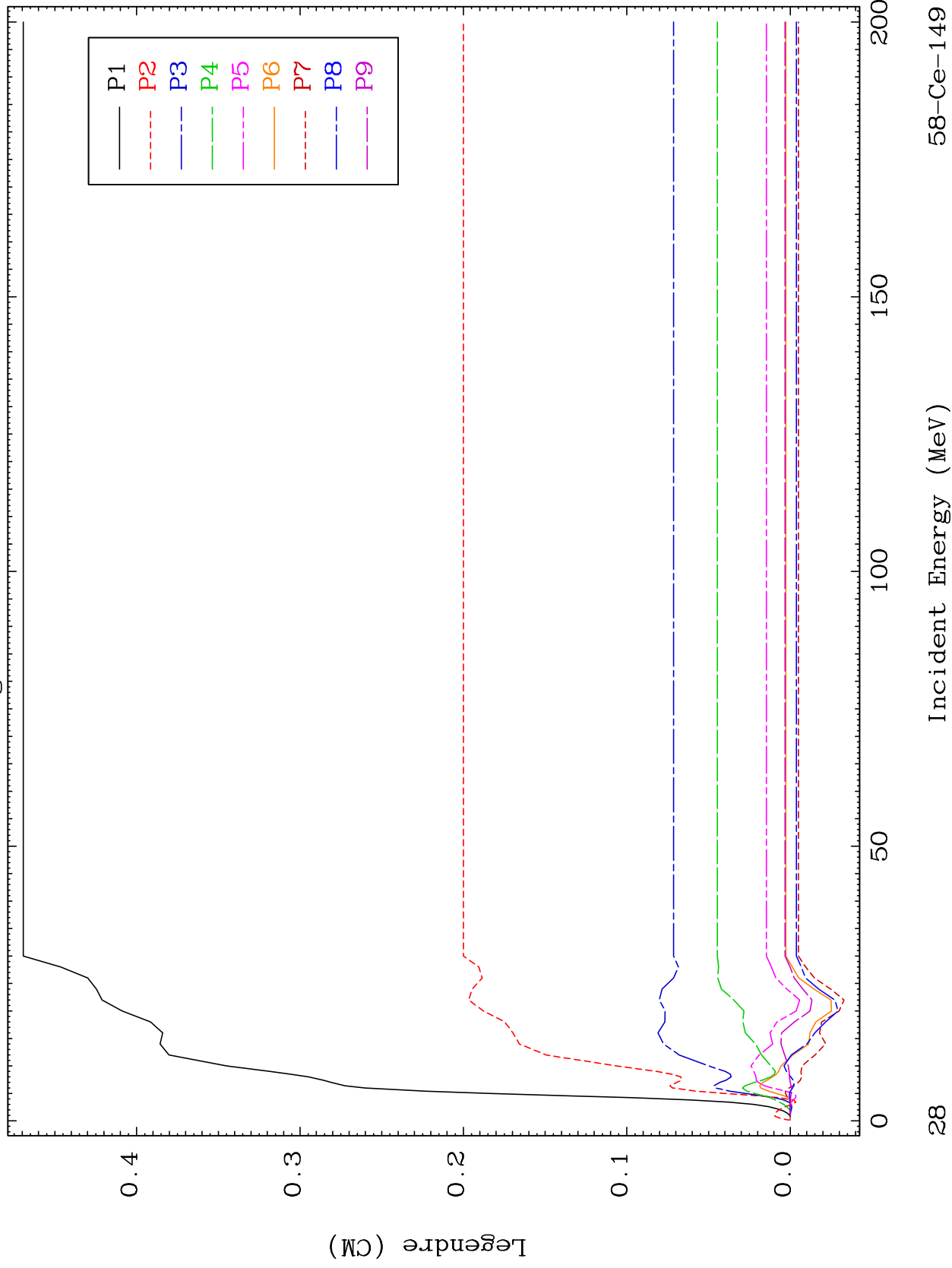
58-Ce-149



MAT 5864

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

58-Ce-149



58-Ce-149

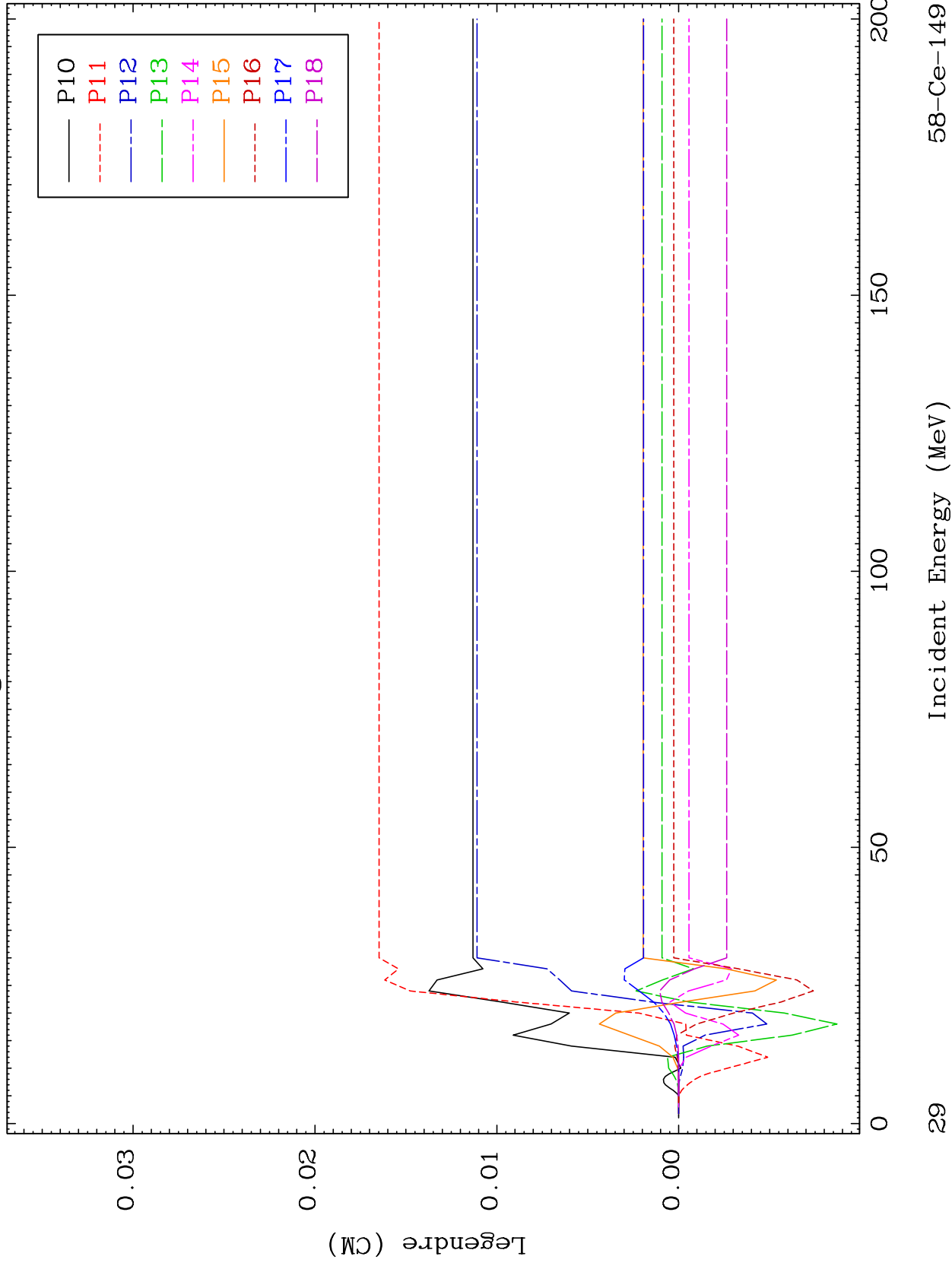
Incident Energy (MeV)

28

MAT 5864

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

58-Ce-149



58-Ce-149

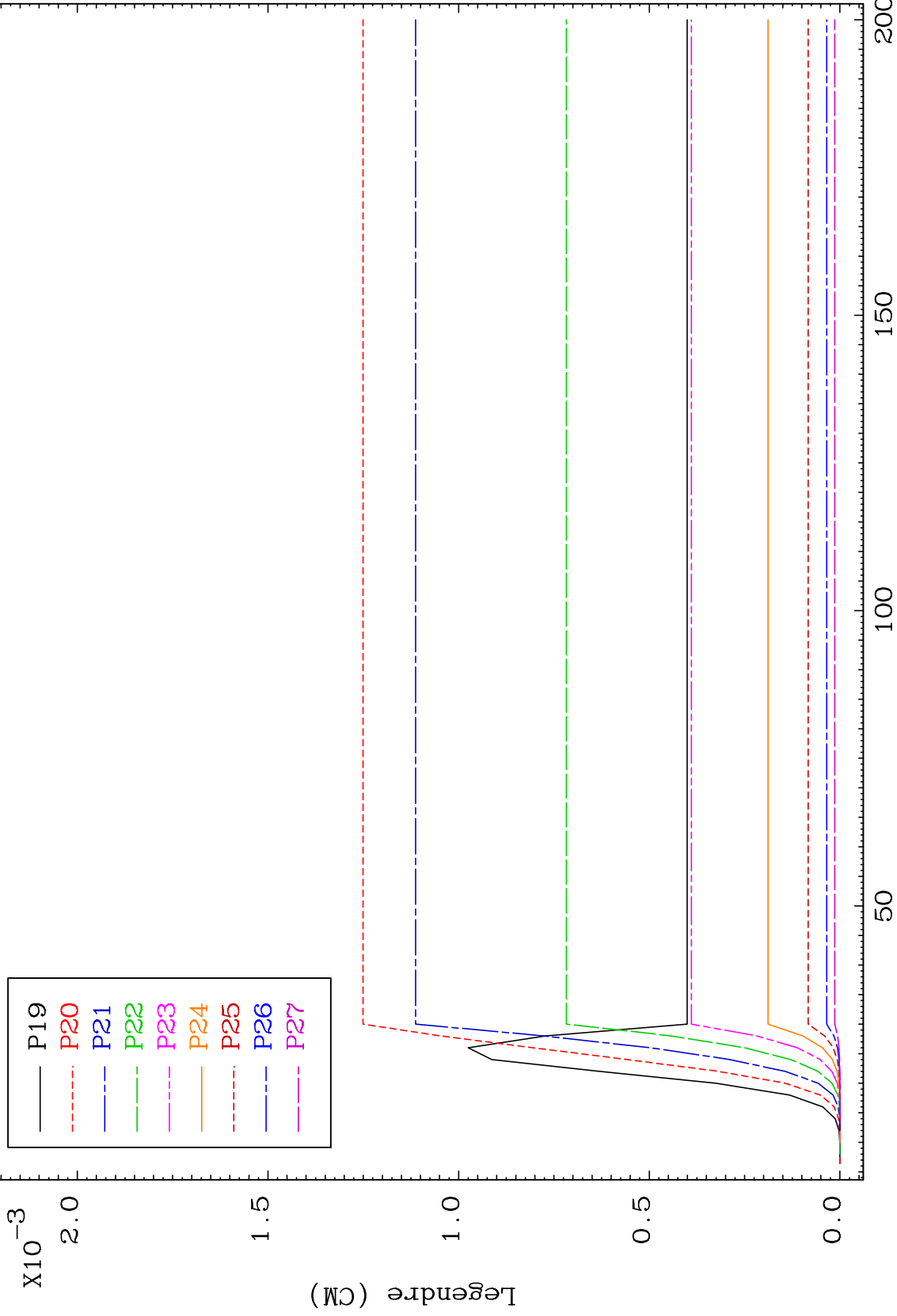
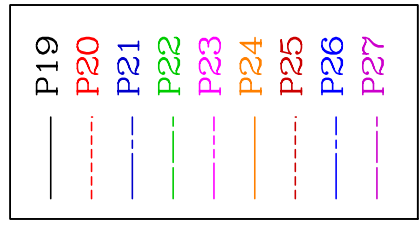
Incident Energy (MeV)

29

MAT 5864

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

58-Ce-149



30

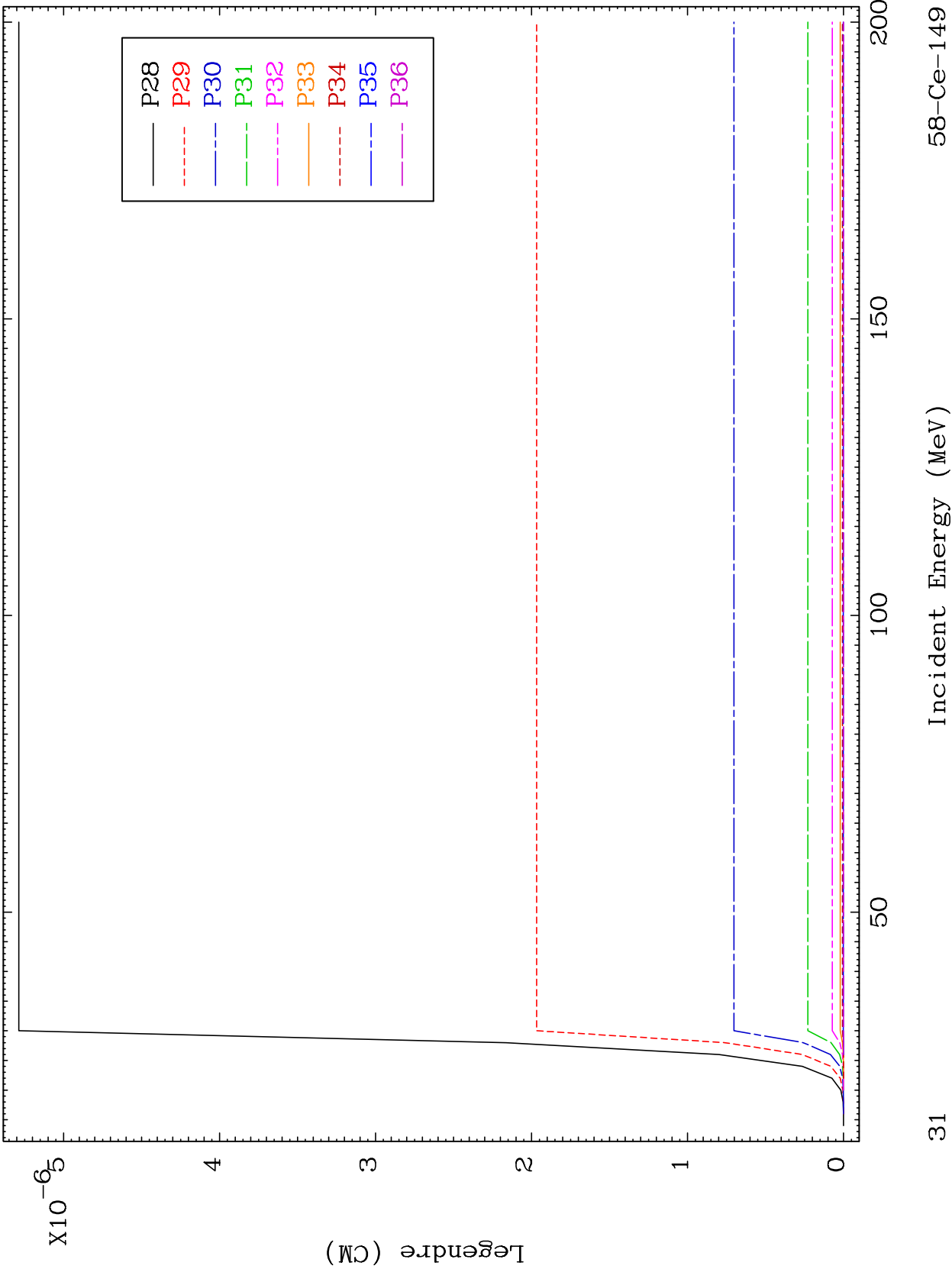
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



31

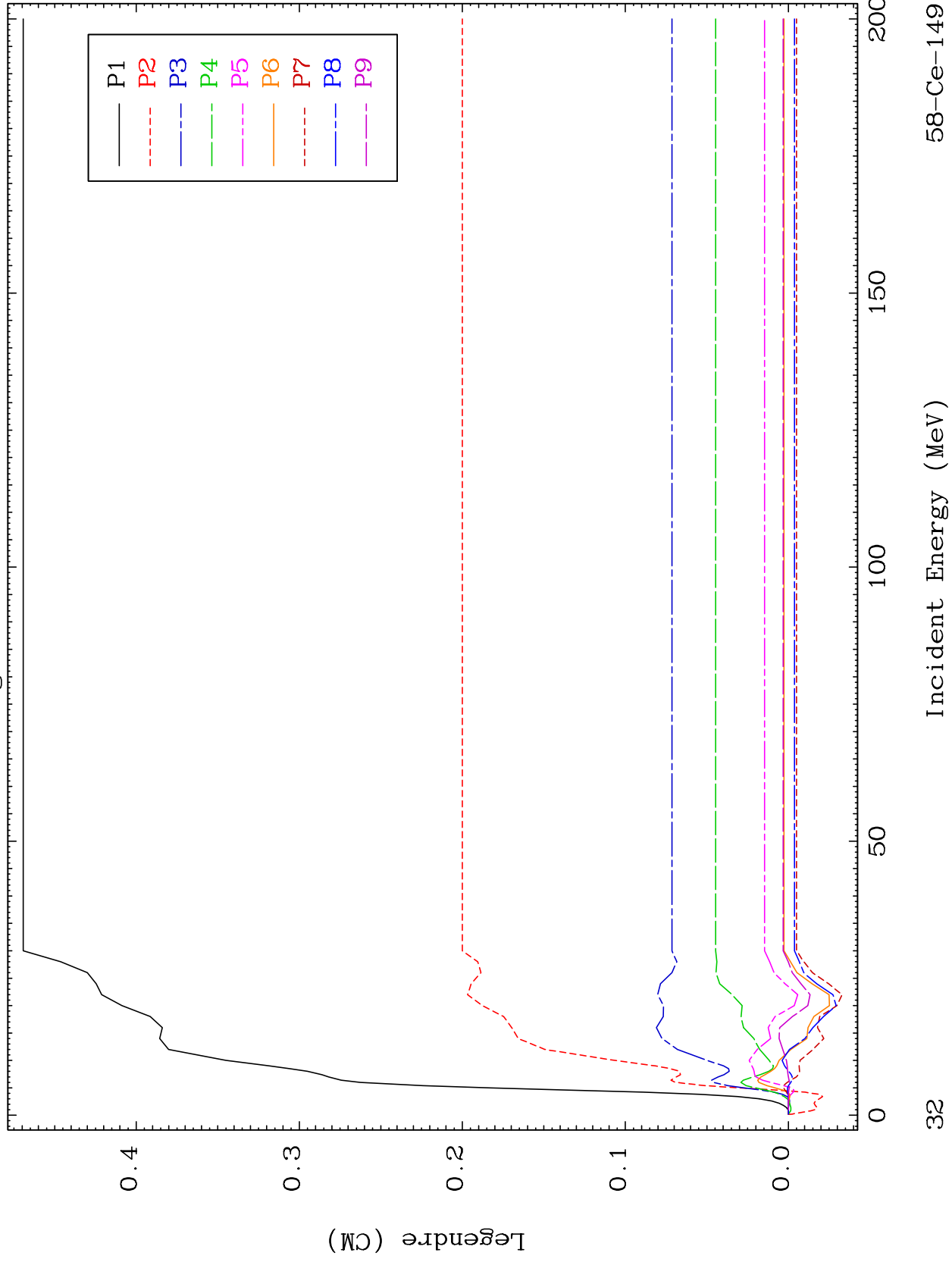
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

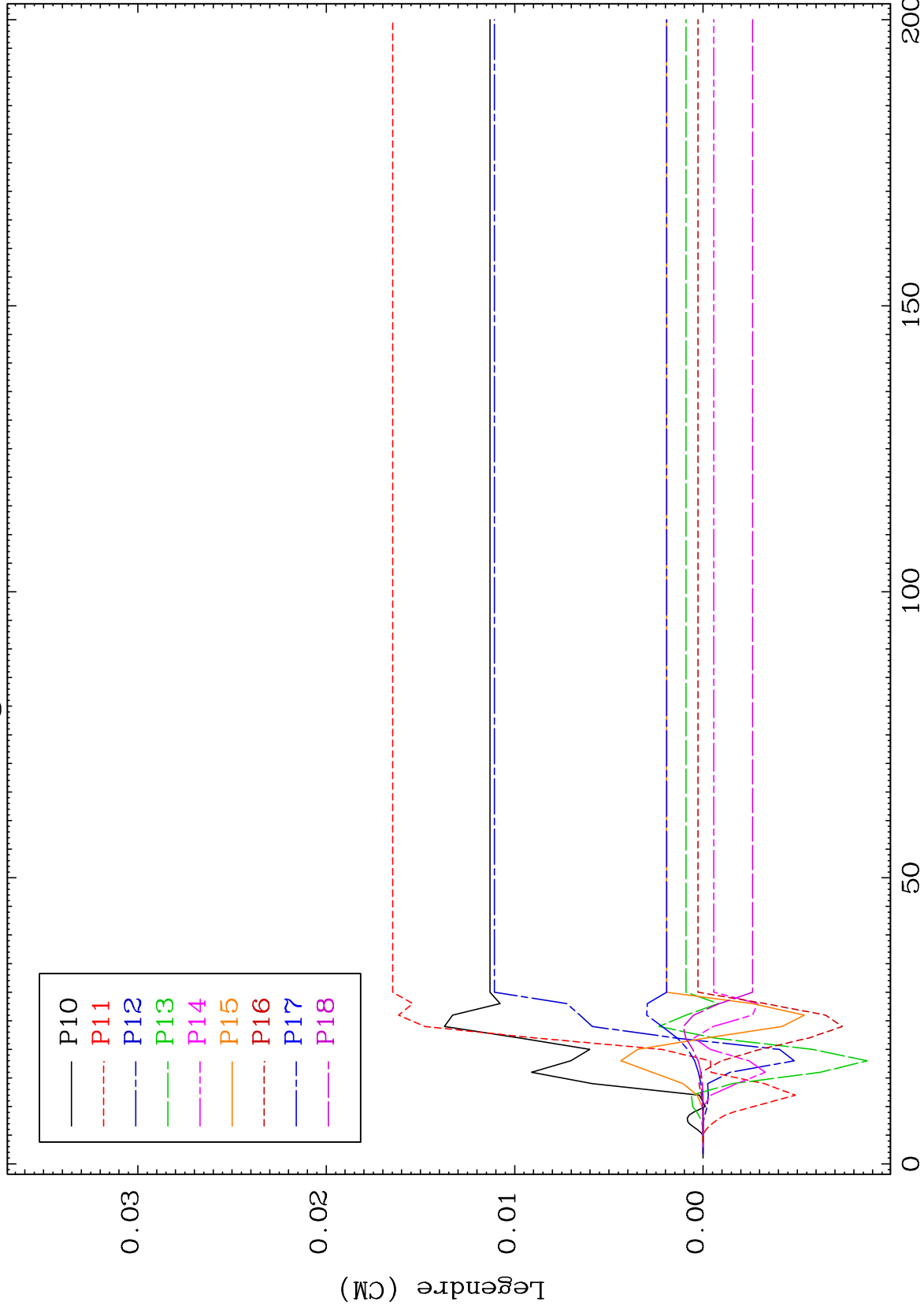
58-Ce-149



MAT 5864

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

58-Ce-149



33

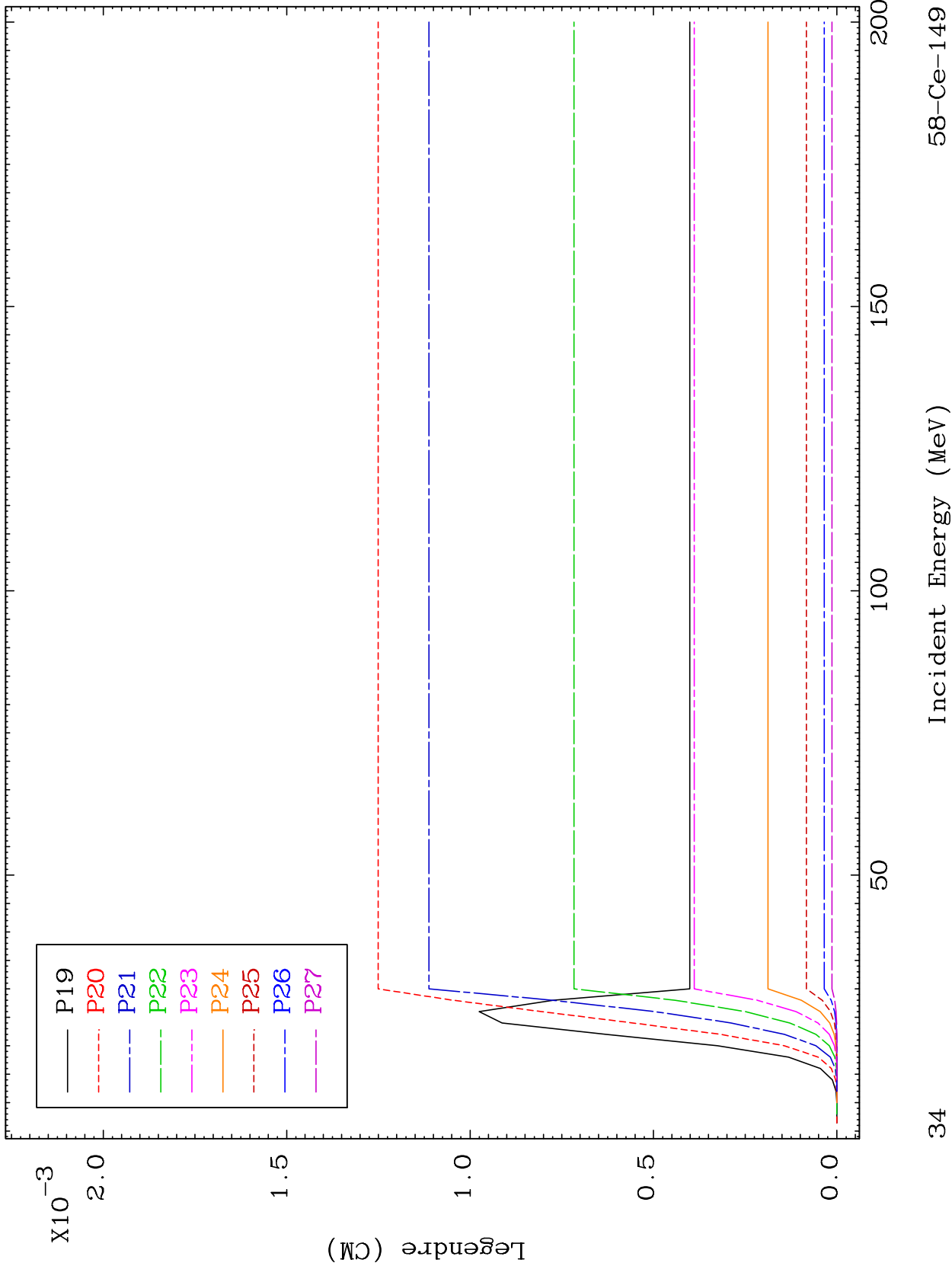
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



34

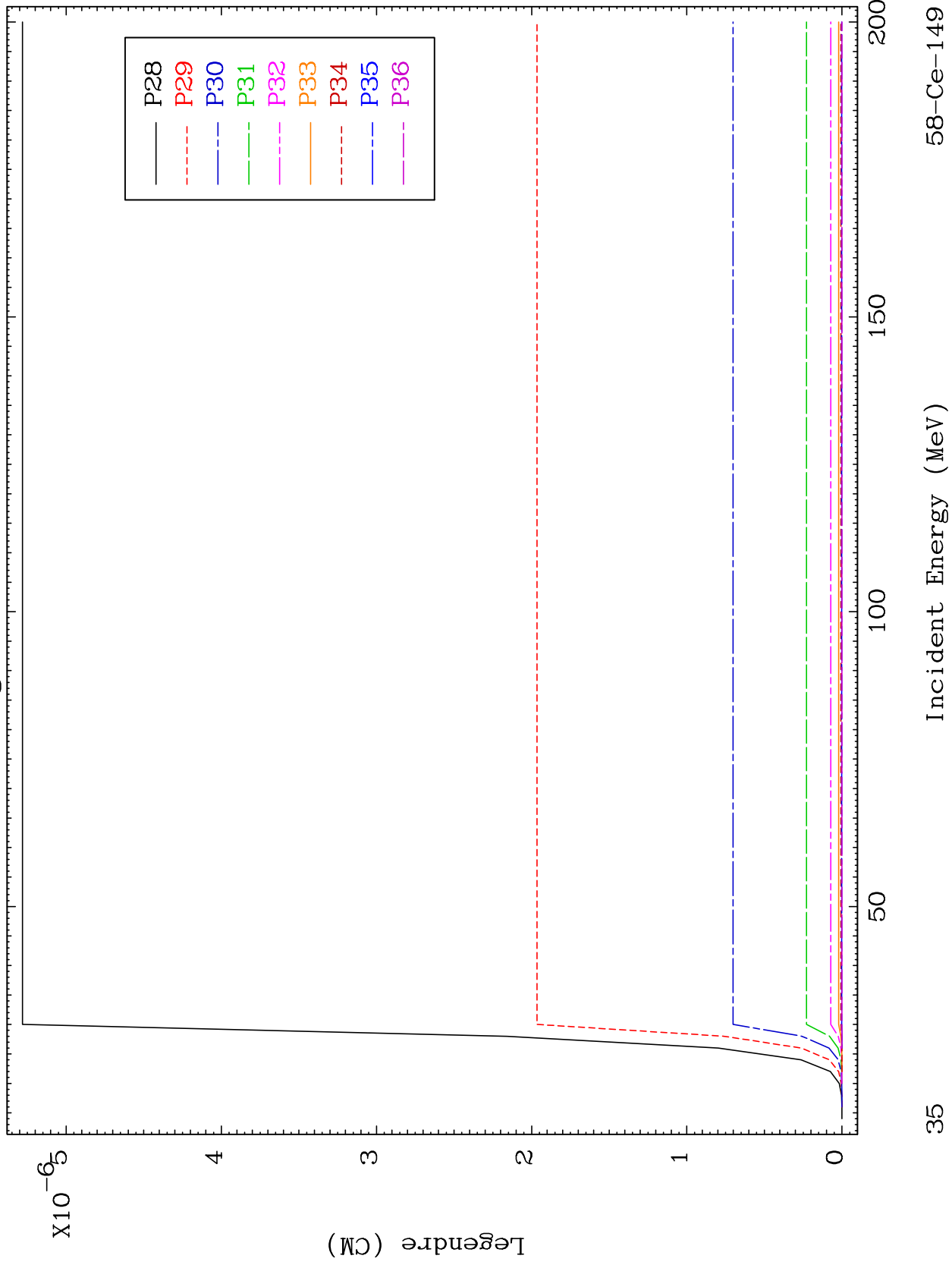
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

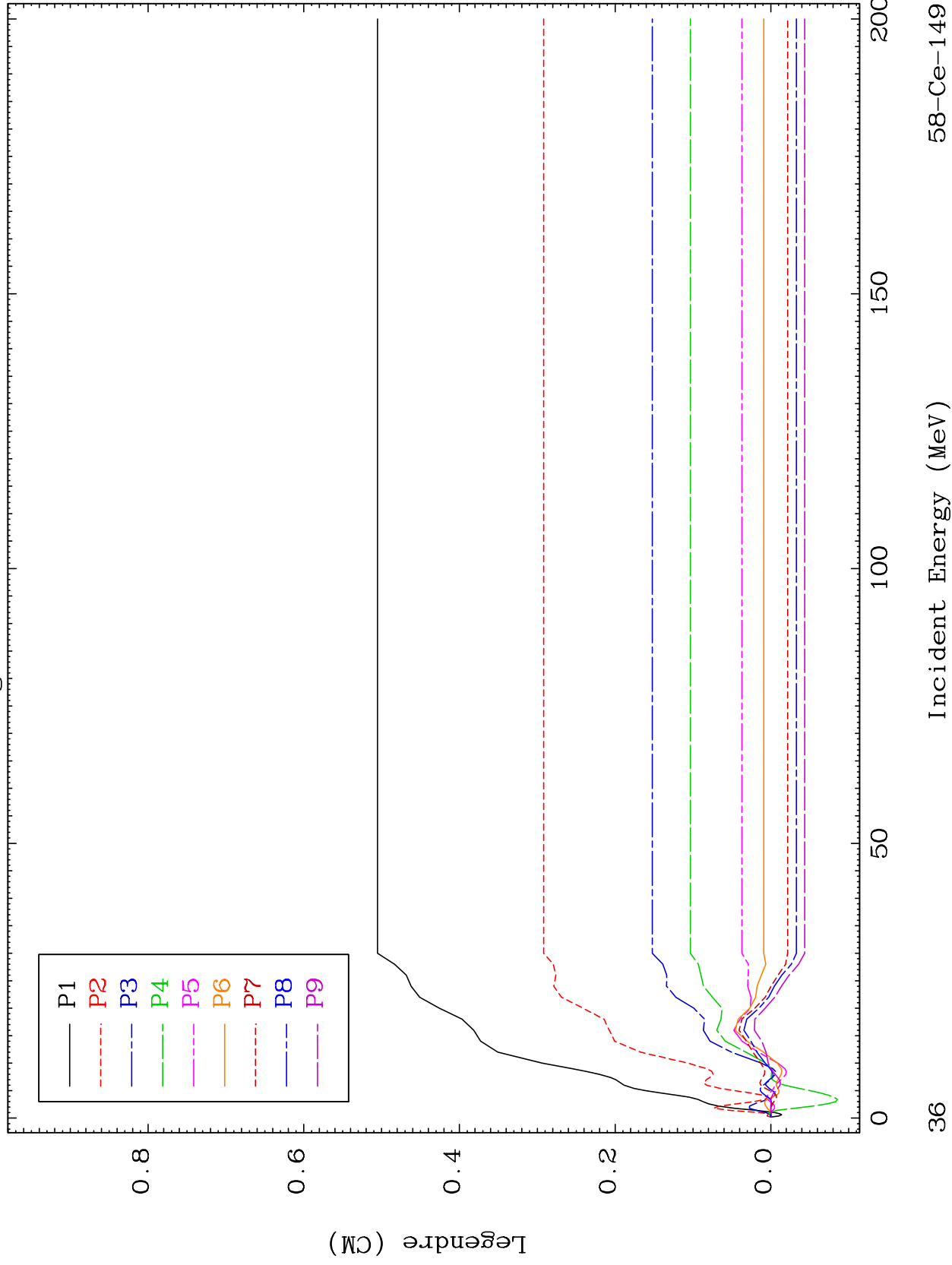
58-Ce-149



MAT 5864

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

58-Ce-149



58-Ce-149

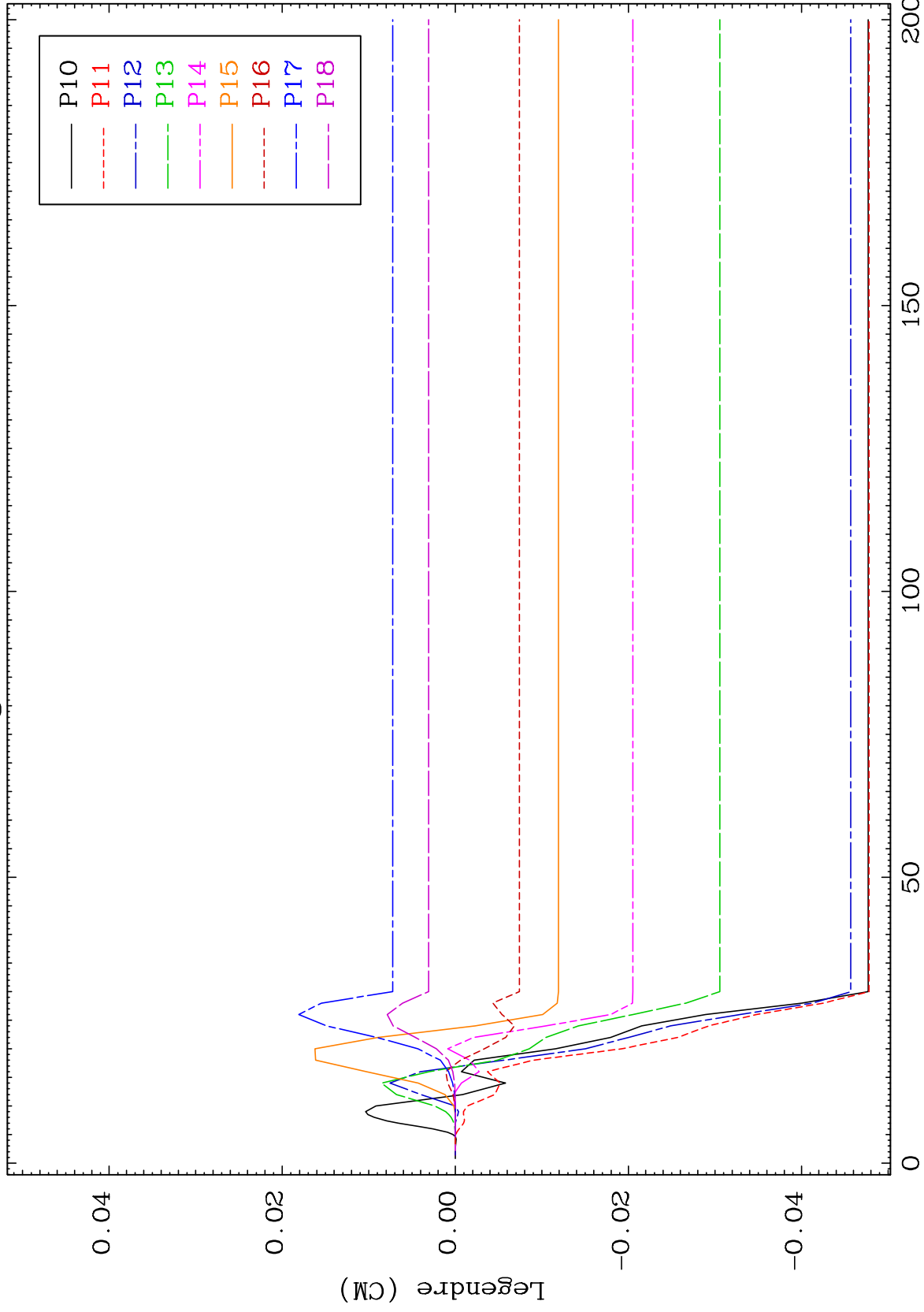
Incident Energy (MeV)

36

MAT 5864

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

58-Ce-149



37

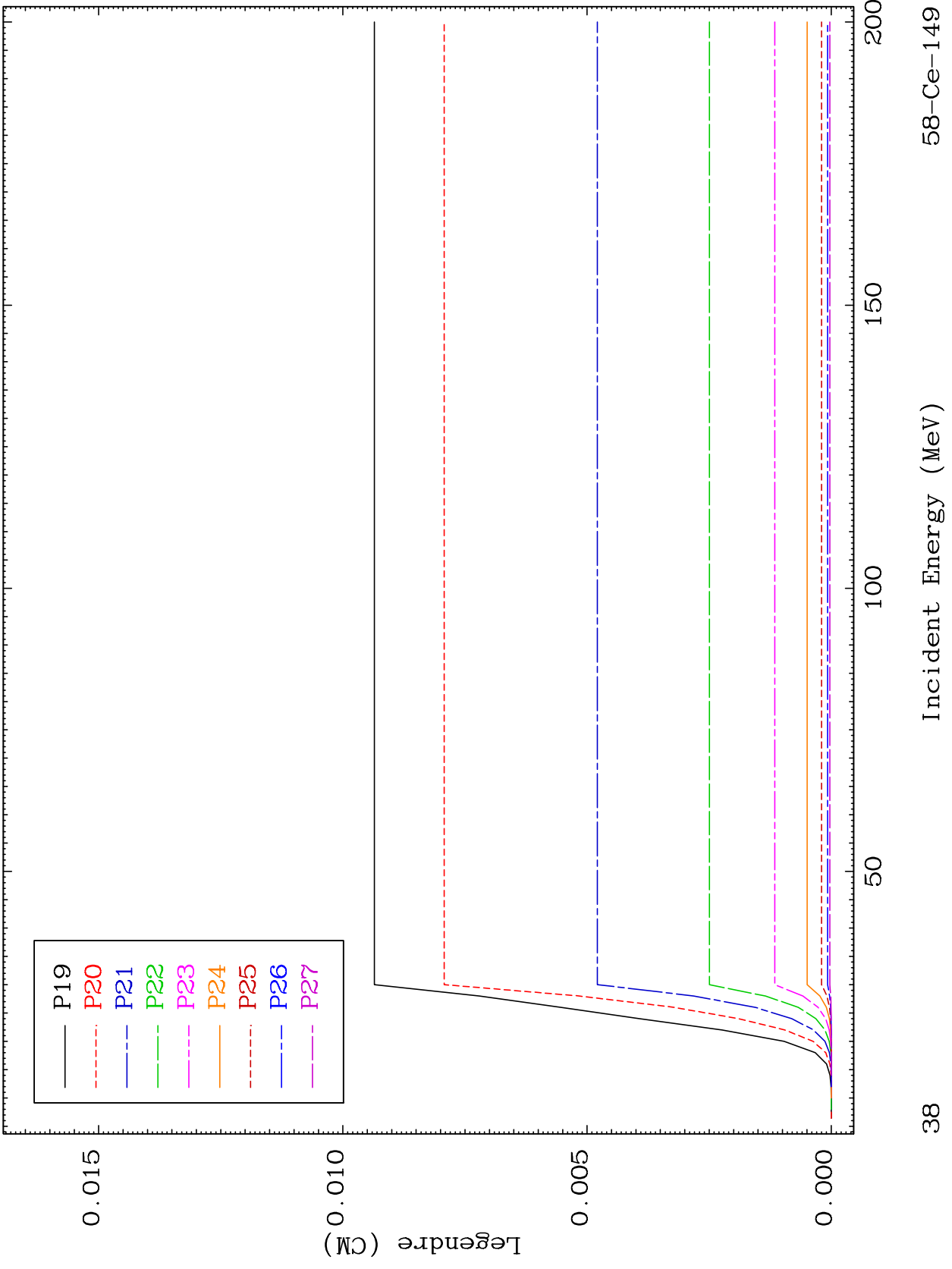
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



38

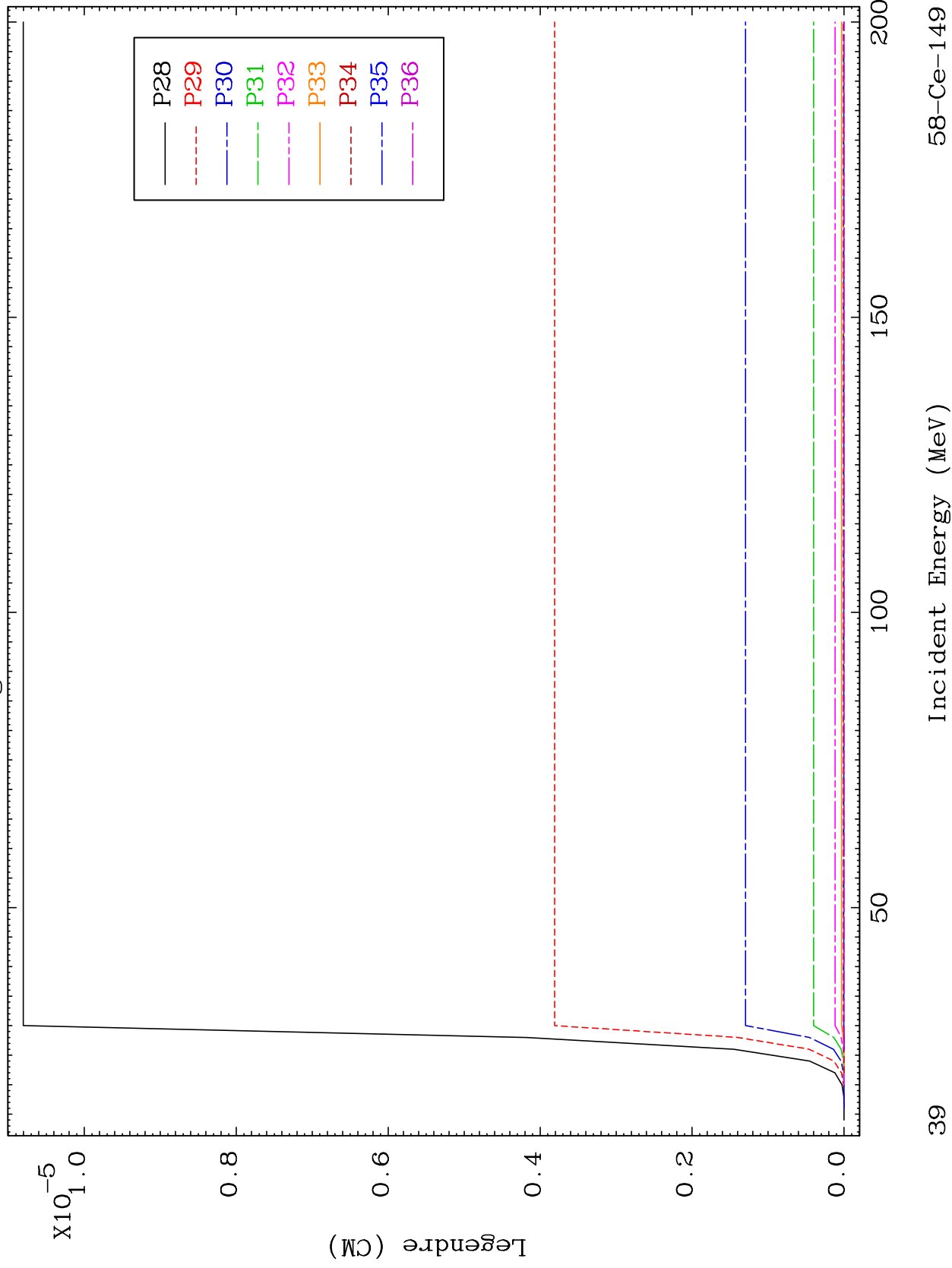
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149

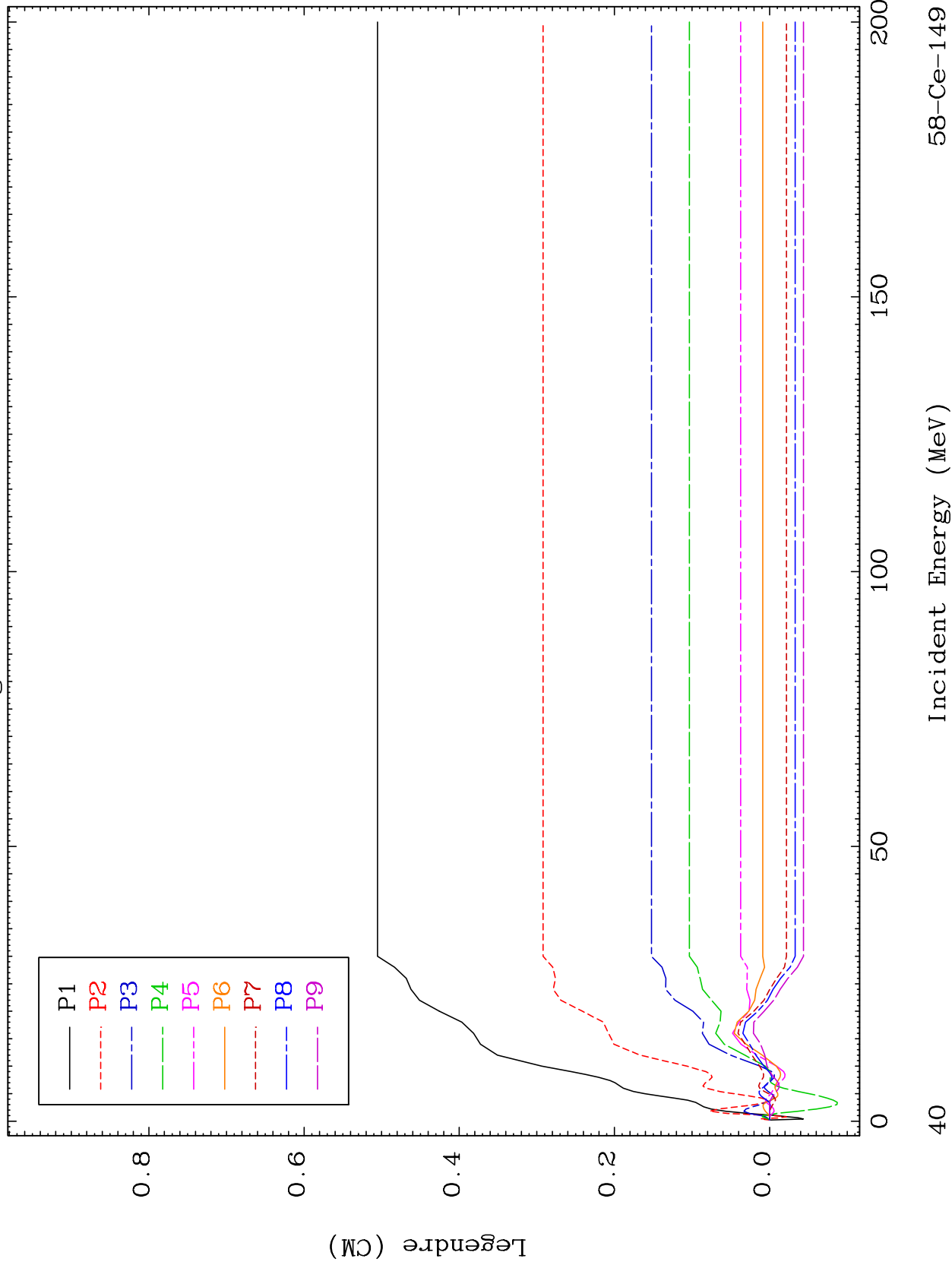


39

MAT 5864

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

58-Ce-149



58-Ce-149

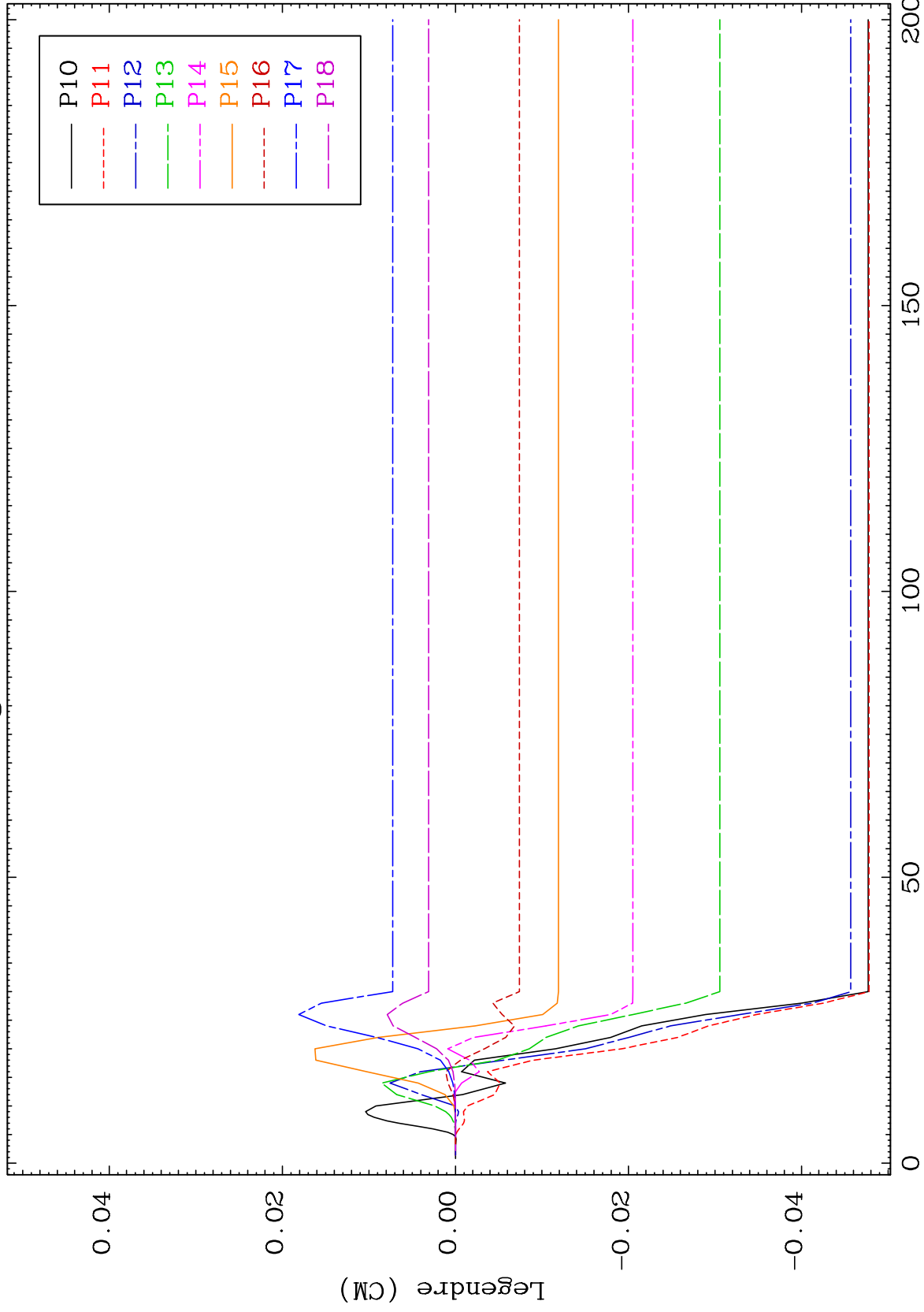
Incident Energy (MeV)

40

MAT 5864

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

58-Ce-149



41

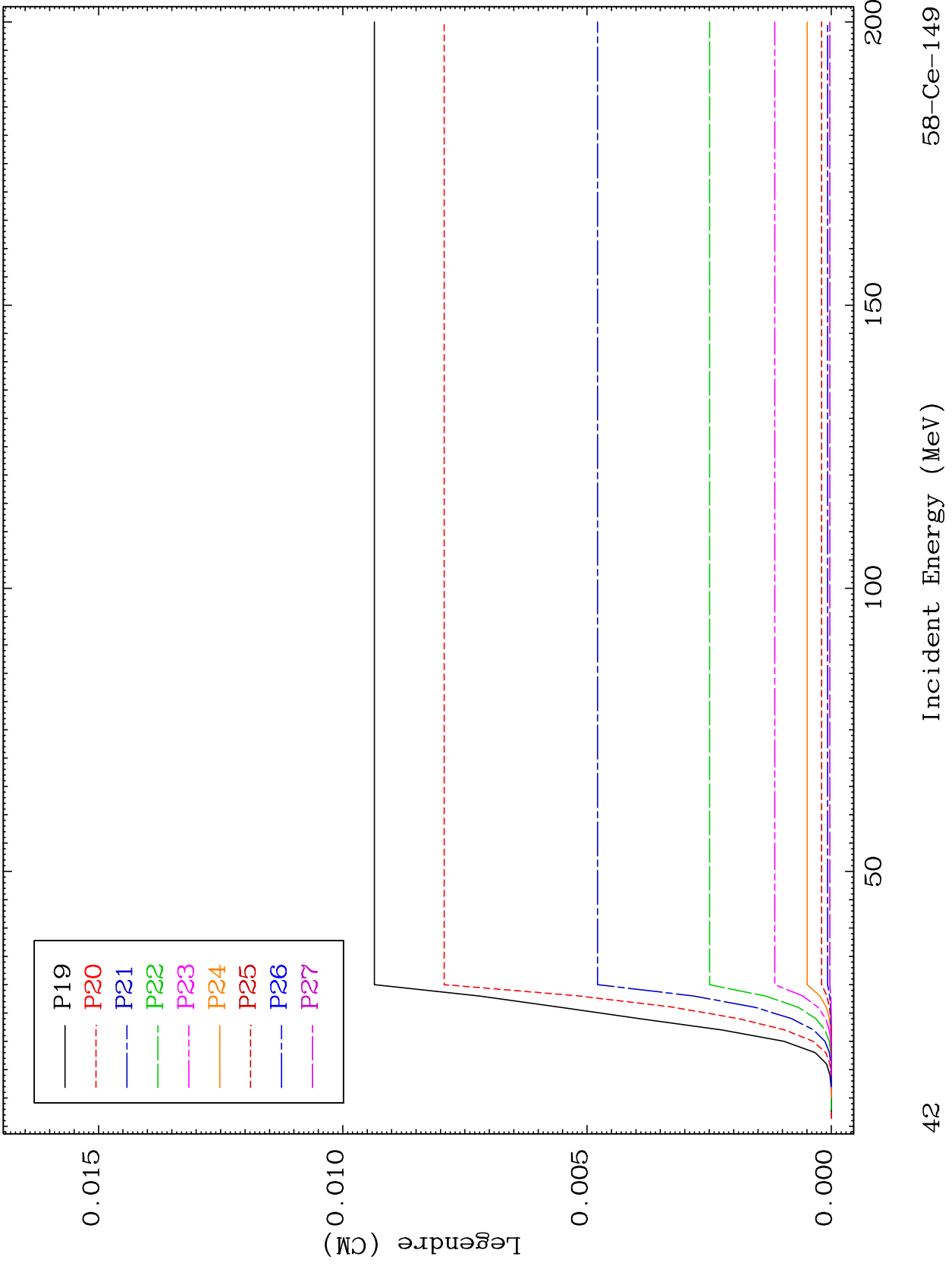
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

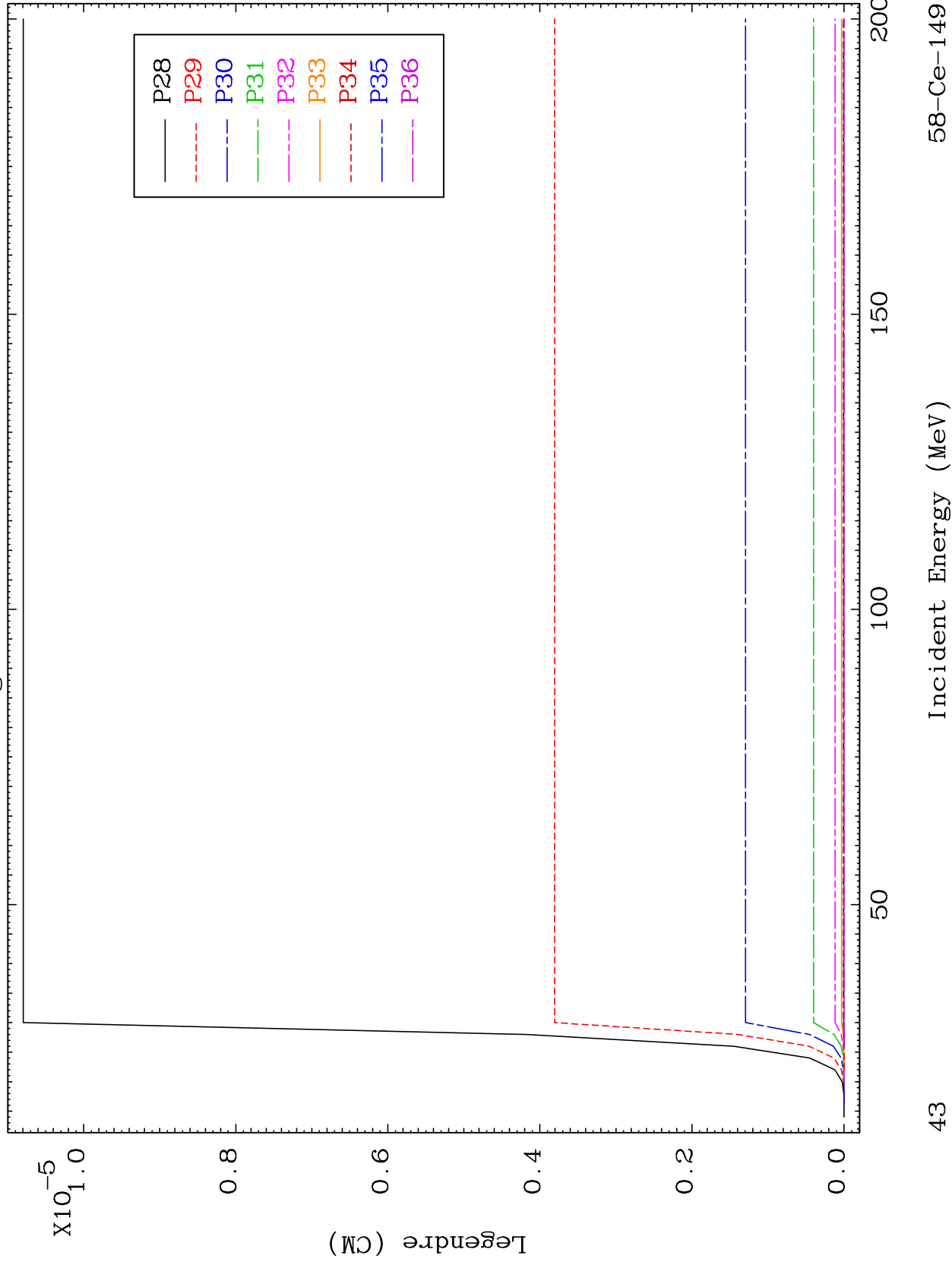
58-Ce-149



MAT 5864

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

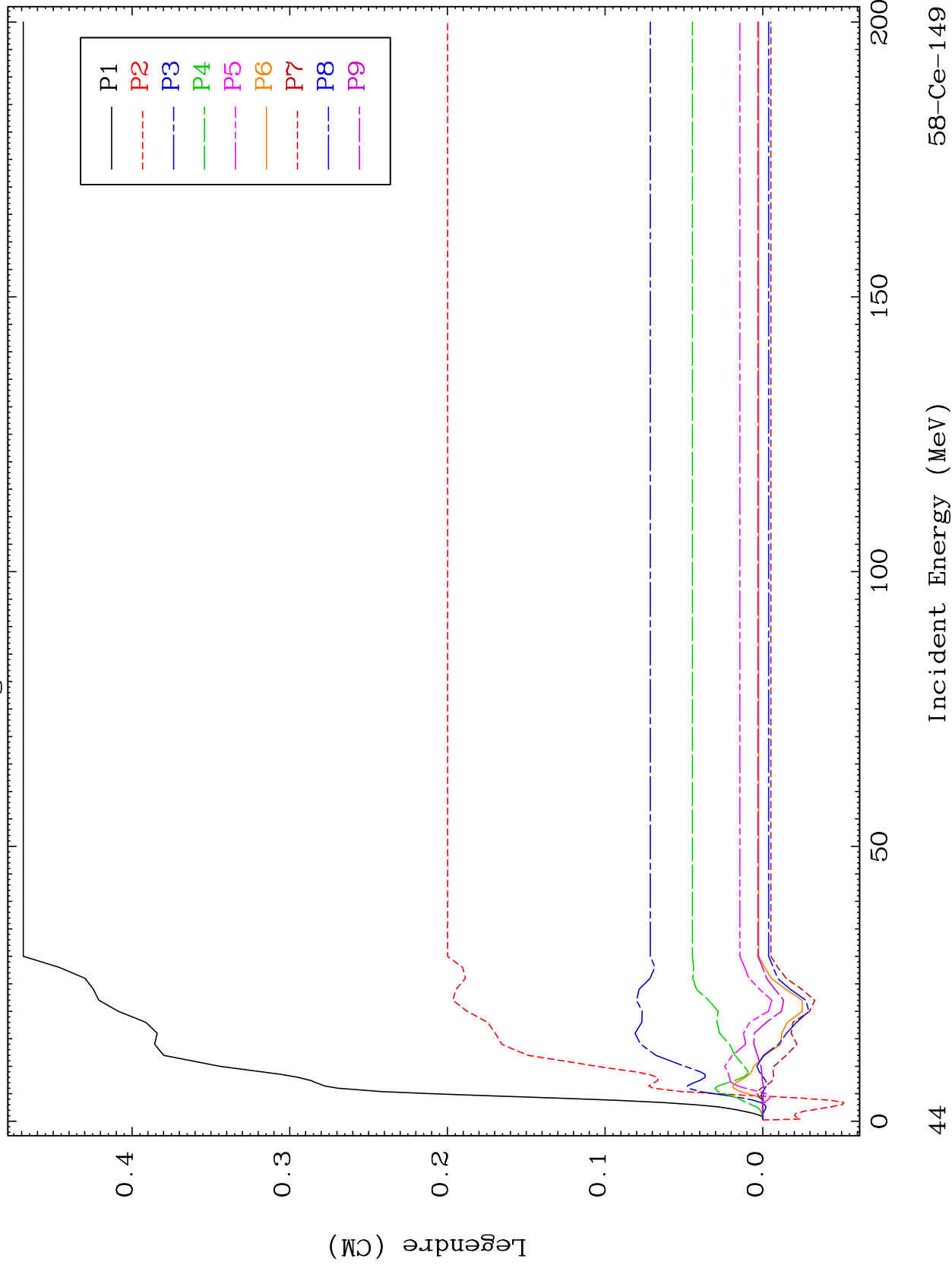
58-Ce-149



MAT 5864

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

58-Ce-149



58-Ce-149

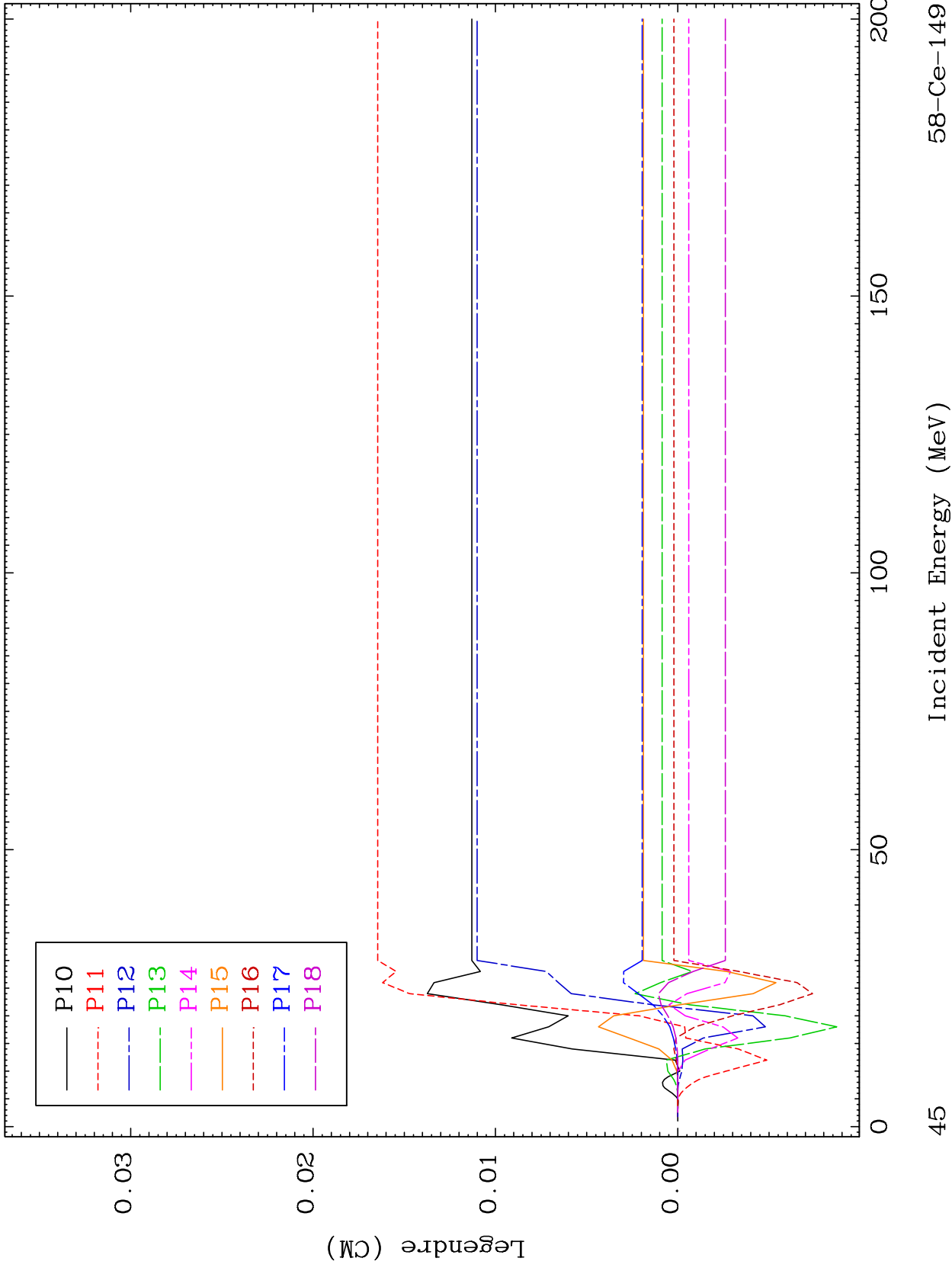
Incident Energy (MeV)

44

MAT 5864

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

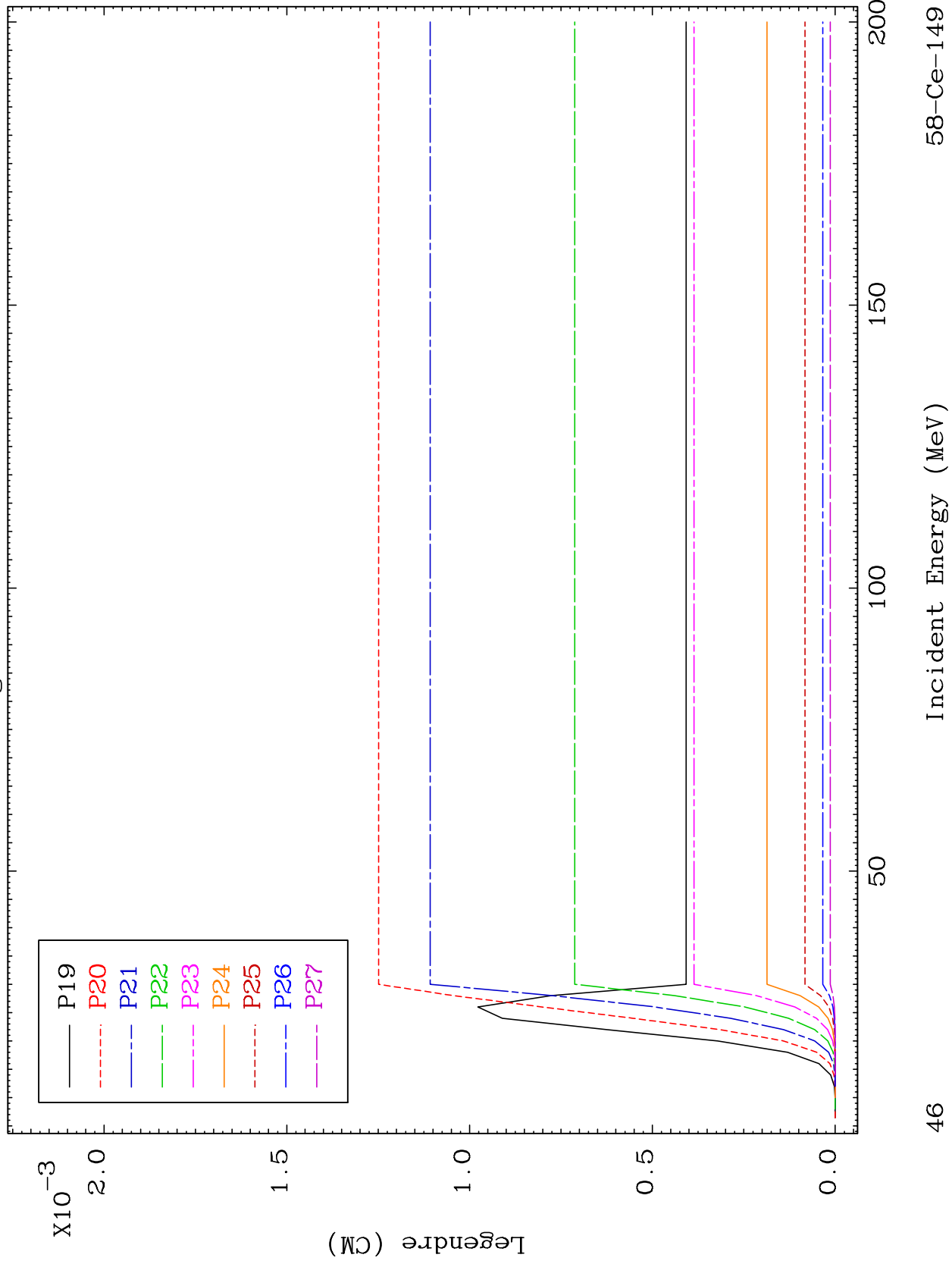
58-Ce-149



MAT 5864

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

58-Ce-149



46

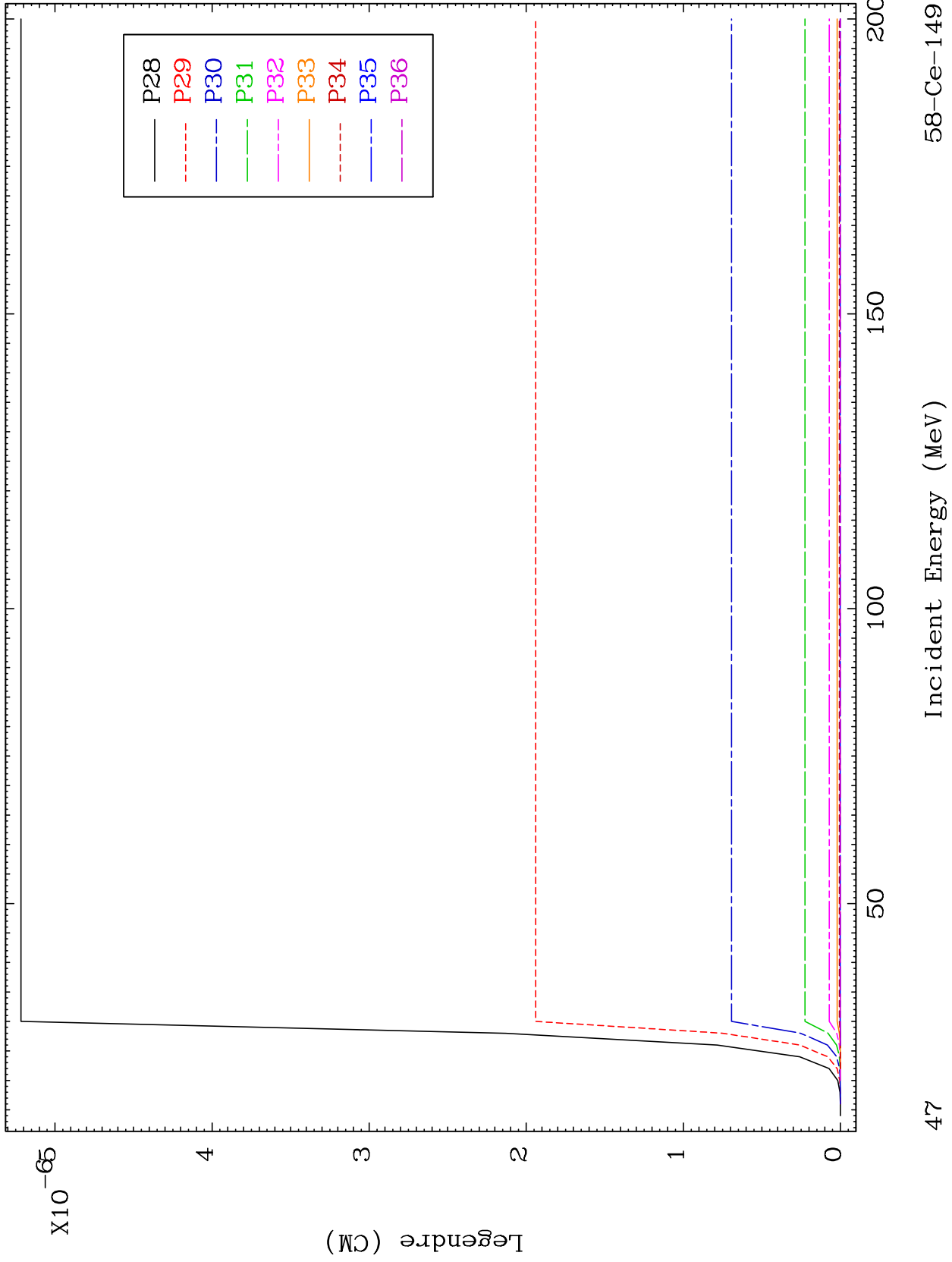
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

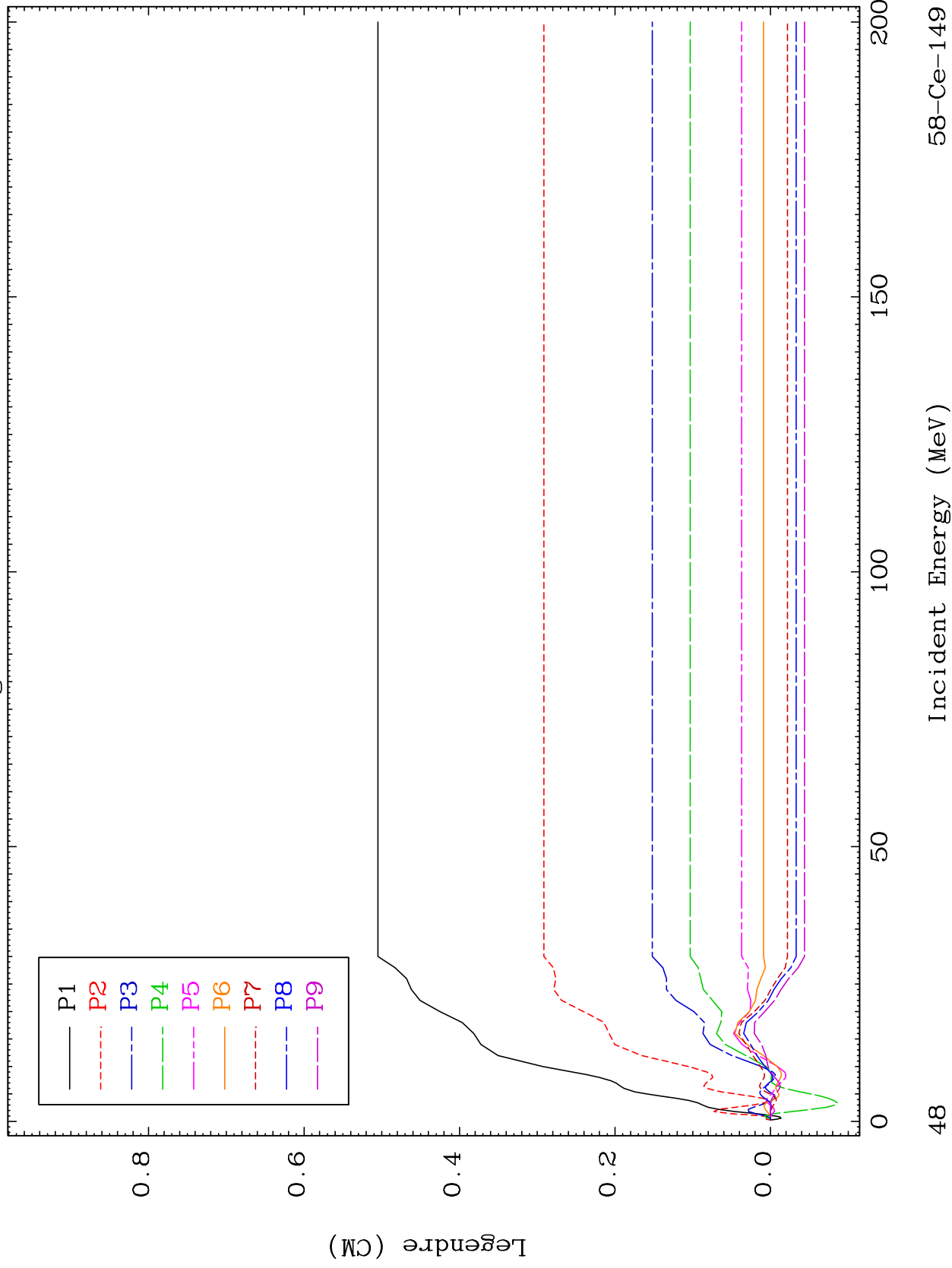
58-Ce-149



MAT 5864

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

58-Ce-149



58-Ce-149

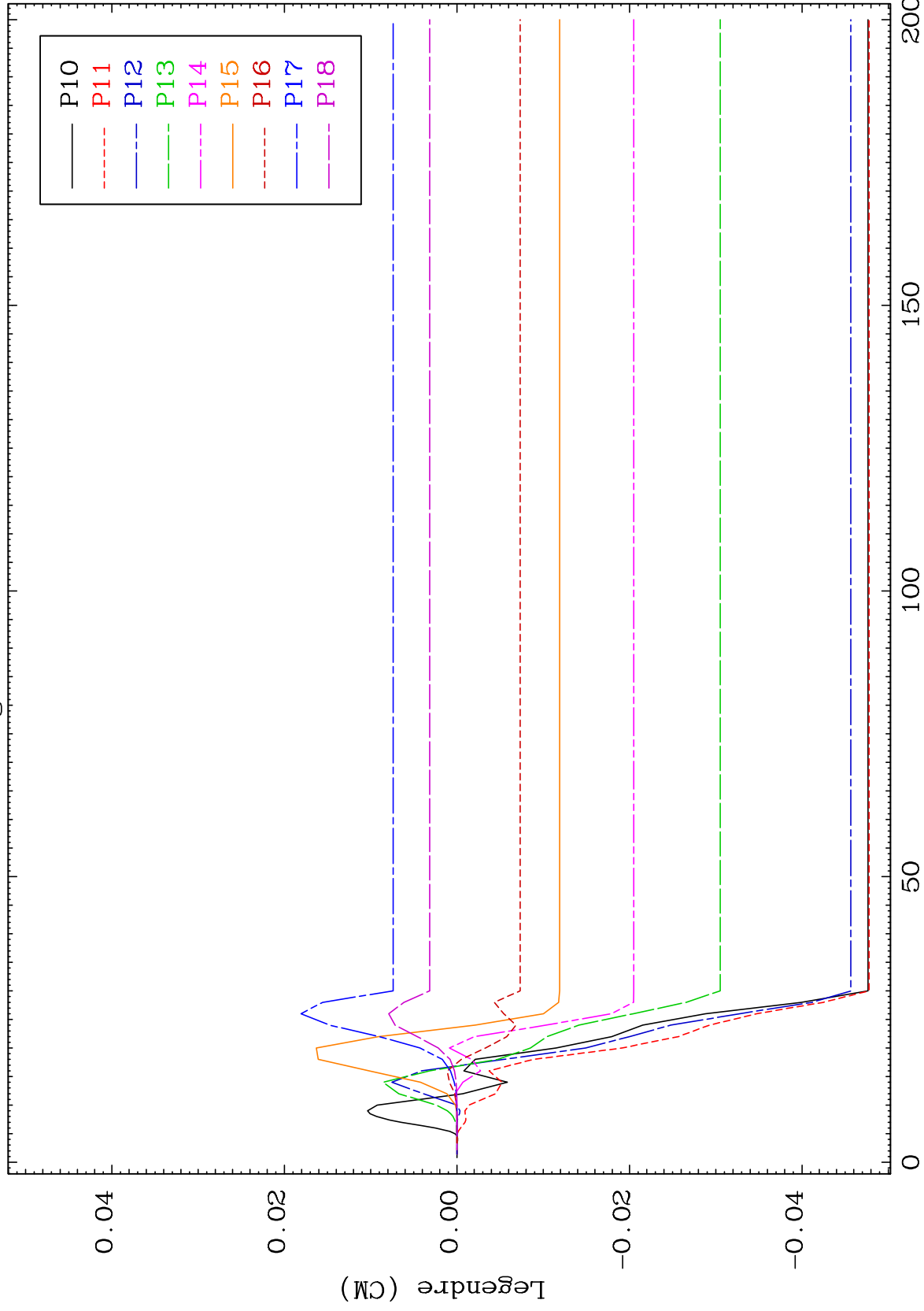
Incident Energy (MeV)

48

MAT 5864

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

58-Ce-149



49

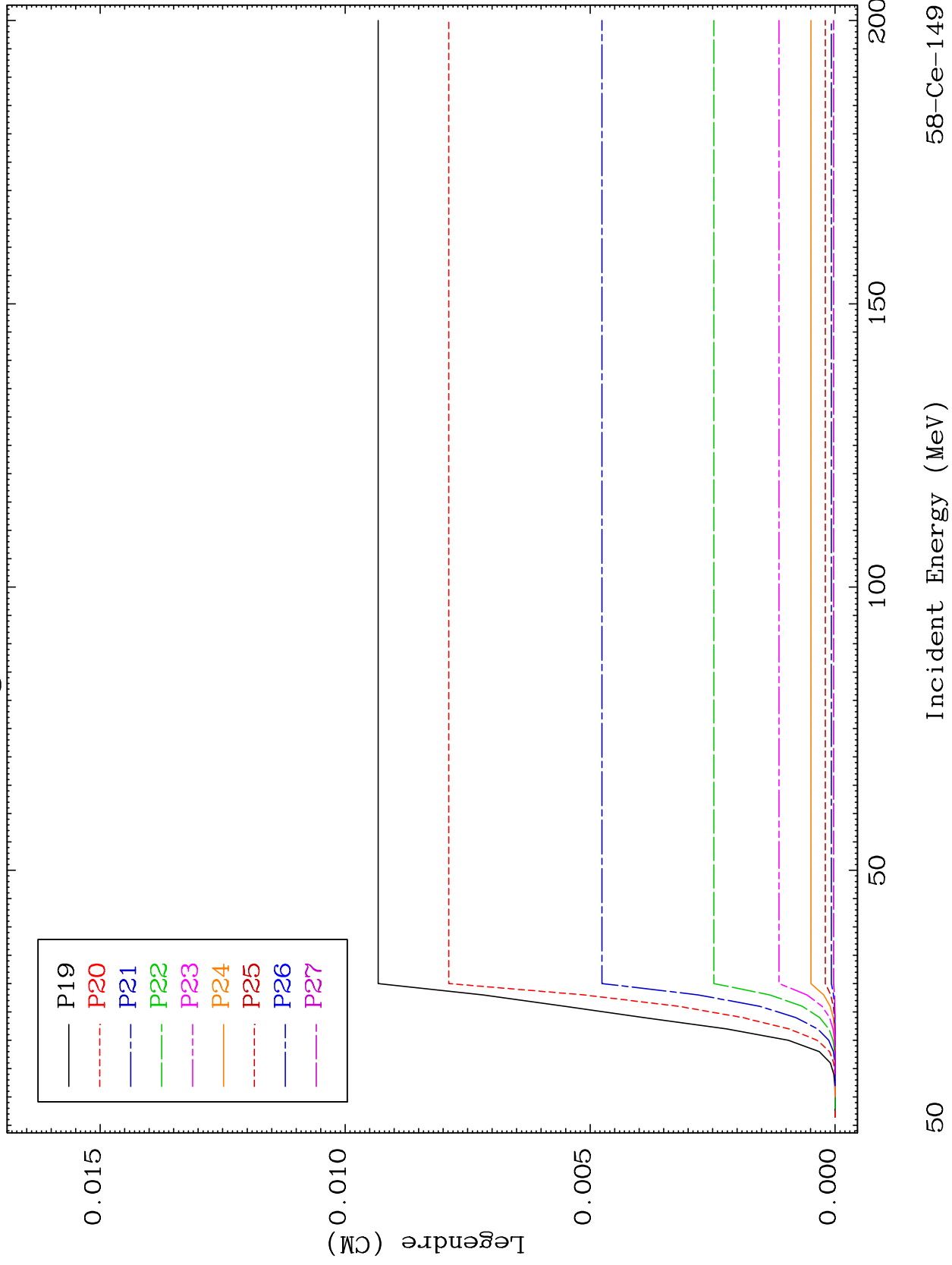
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



58-Ce-149

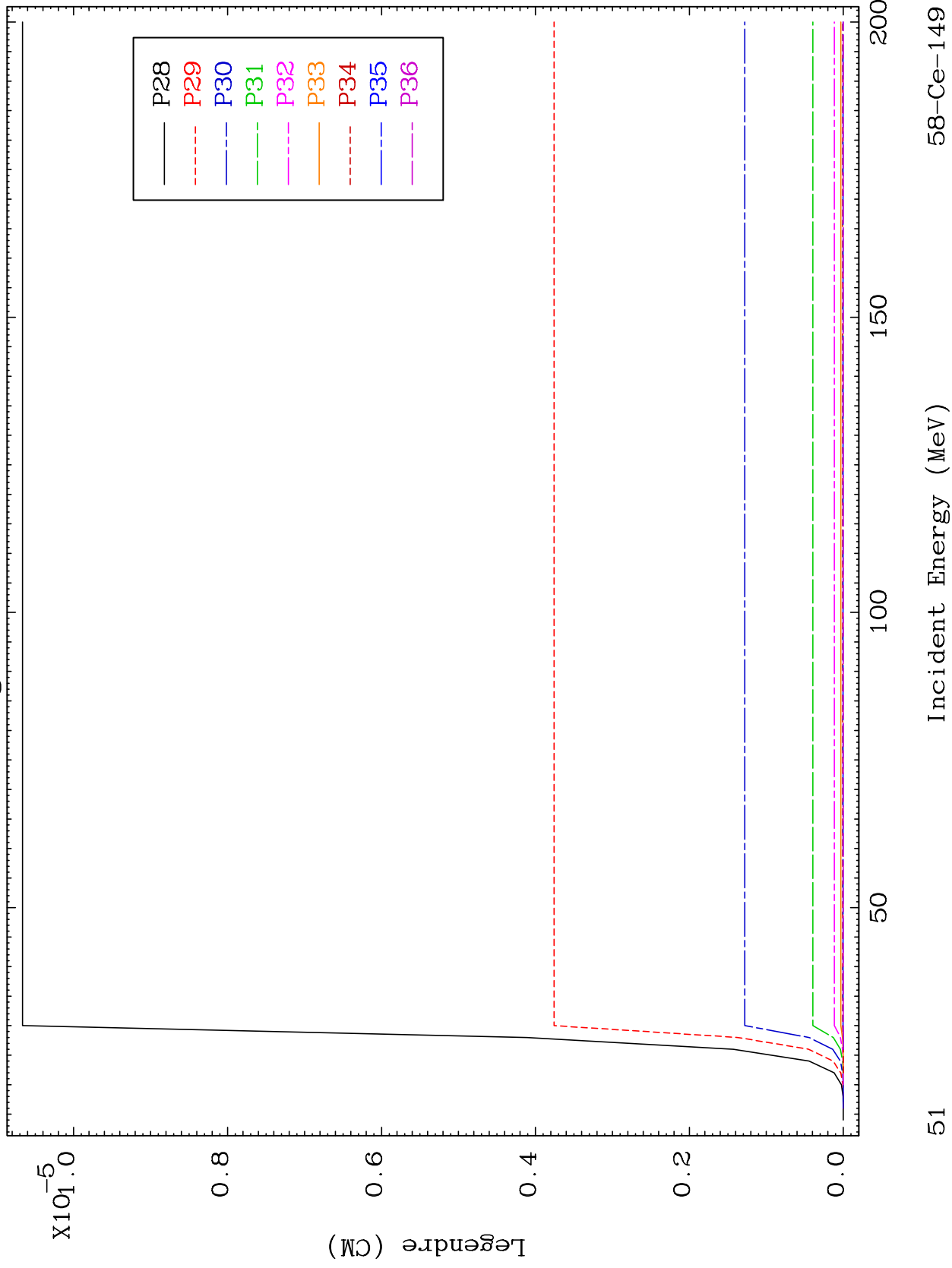
Incident Energy (MeV)

50

MAT 5864

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

58-Ce-149

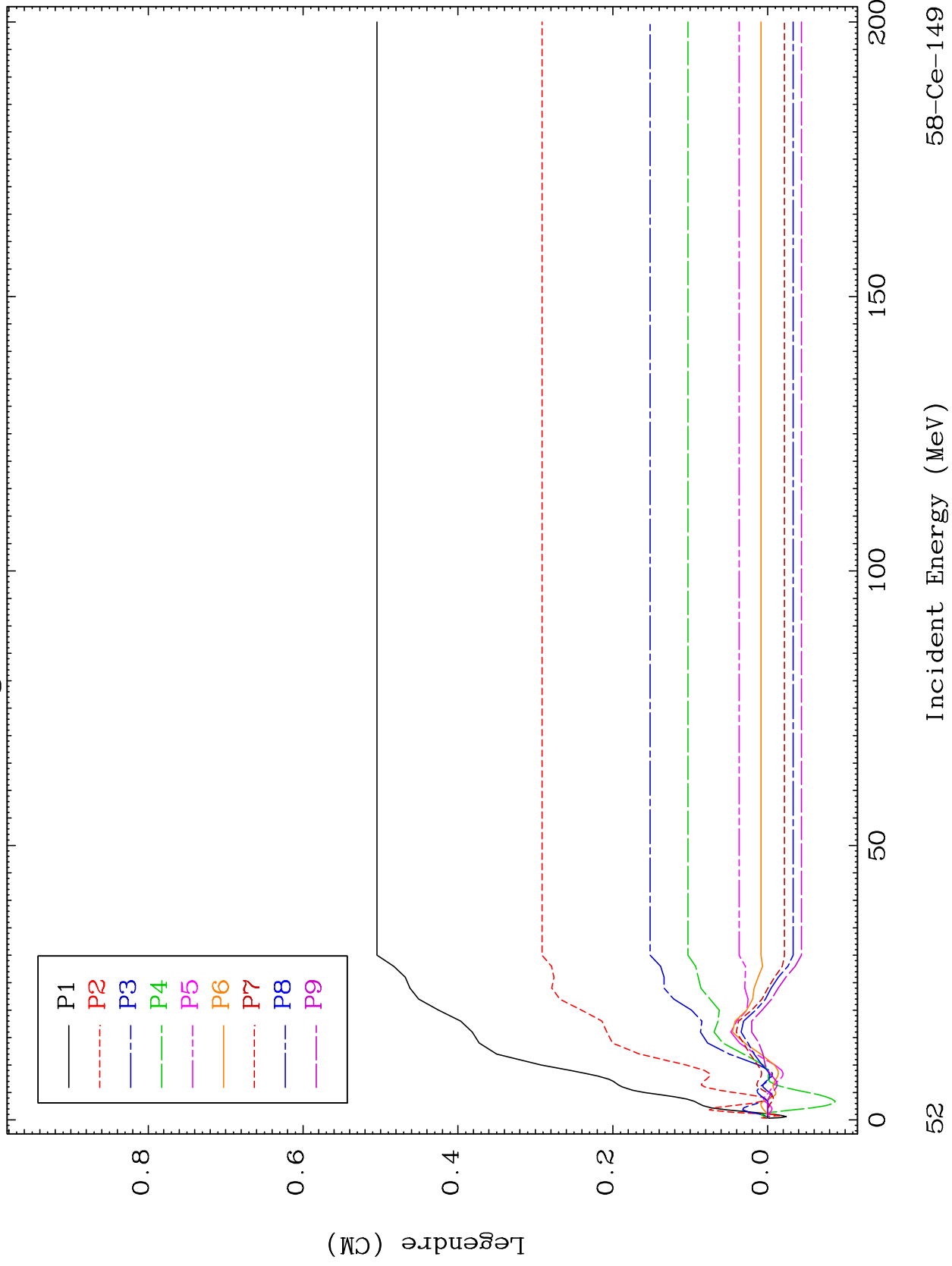


51

MAT 5864

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

58-Ce-149



58-Ce-149

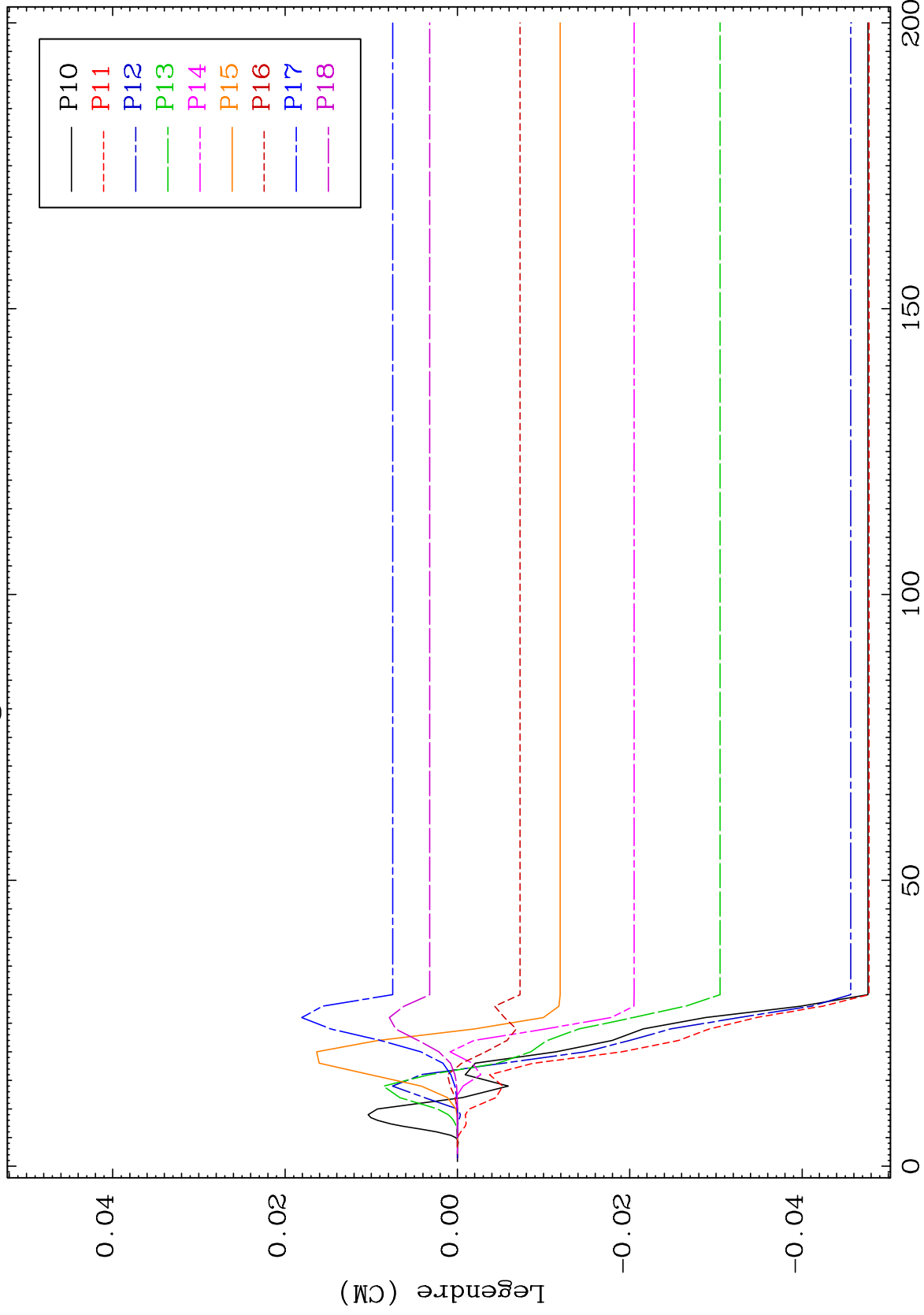
Incident Energy (MeV)

52

MAT 5864

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

58-Ce-149



53

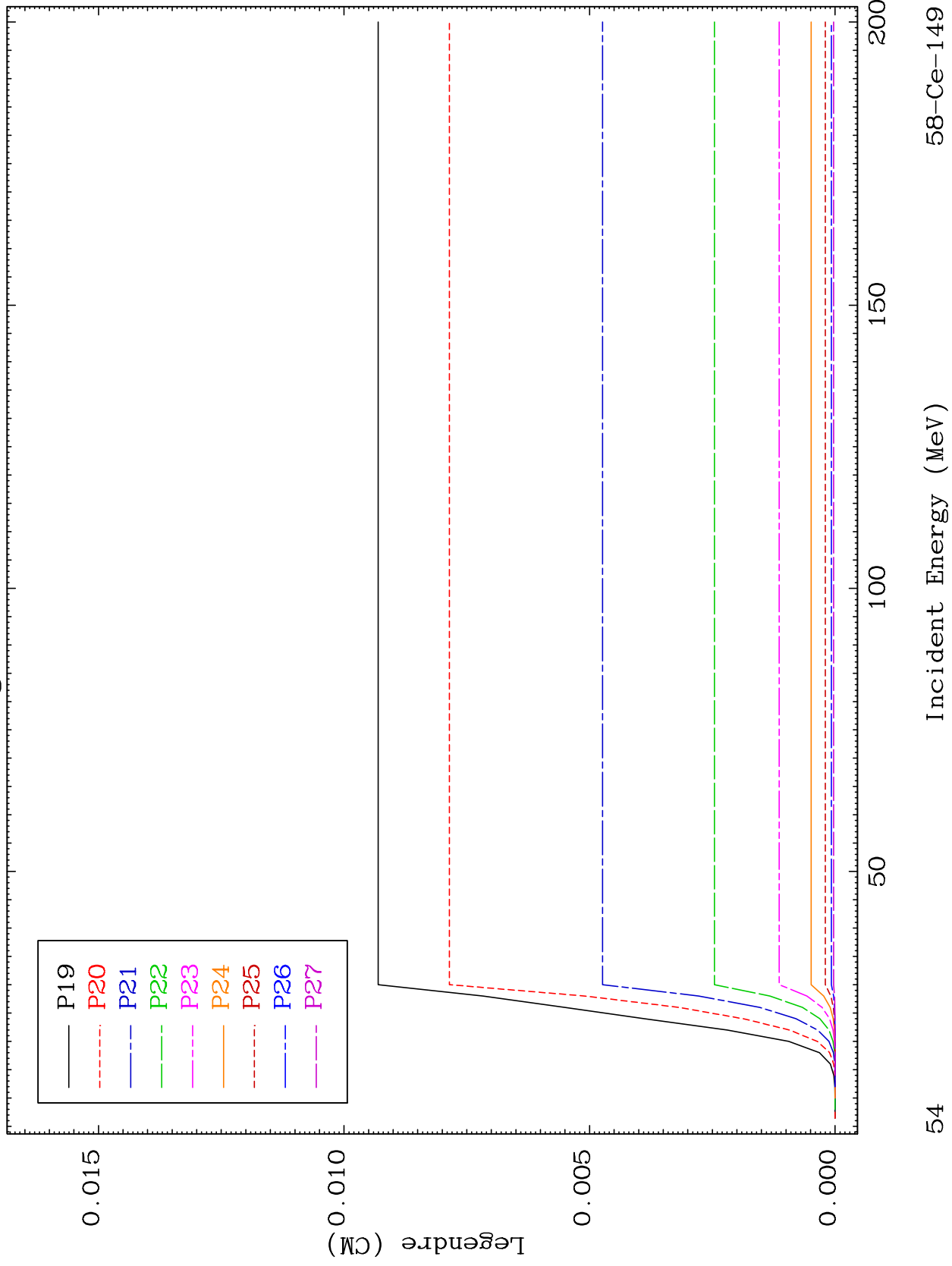
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



54

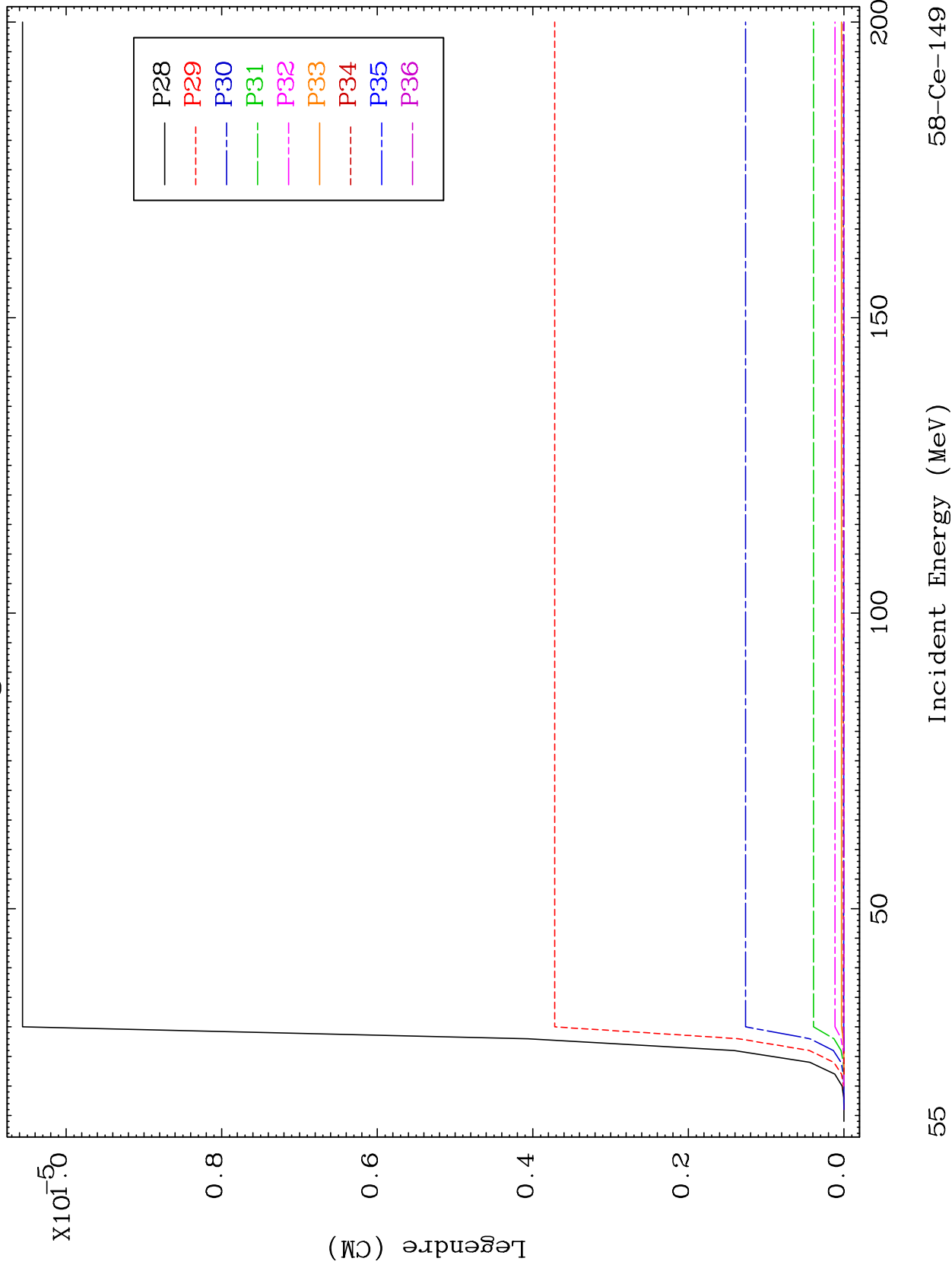
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

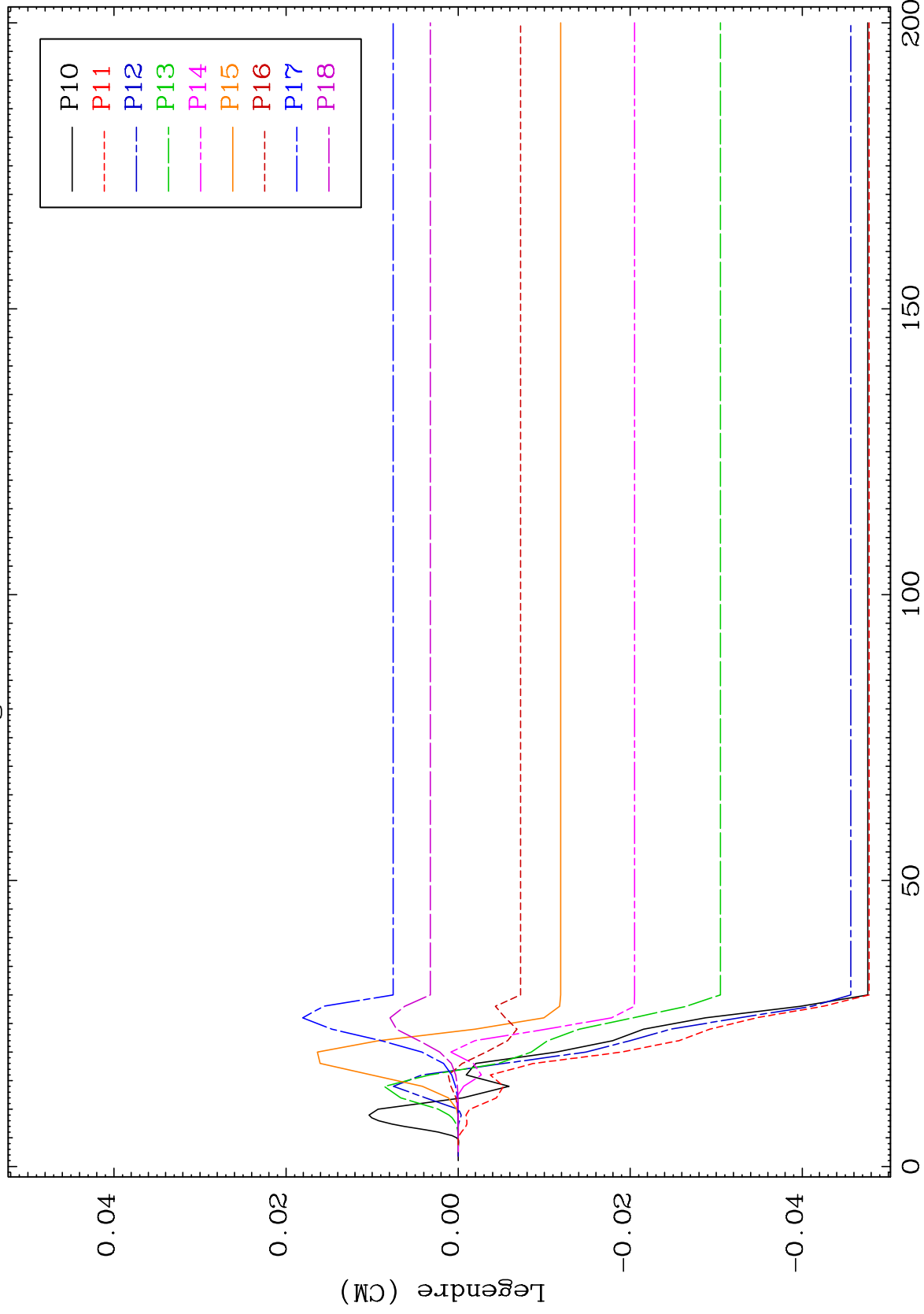
58-Ce-149



MAT 5864

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

58-Ce-149



57

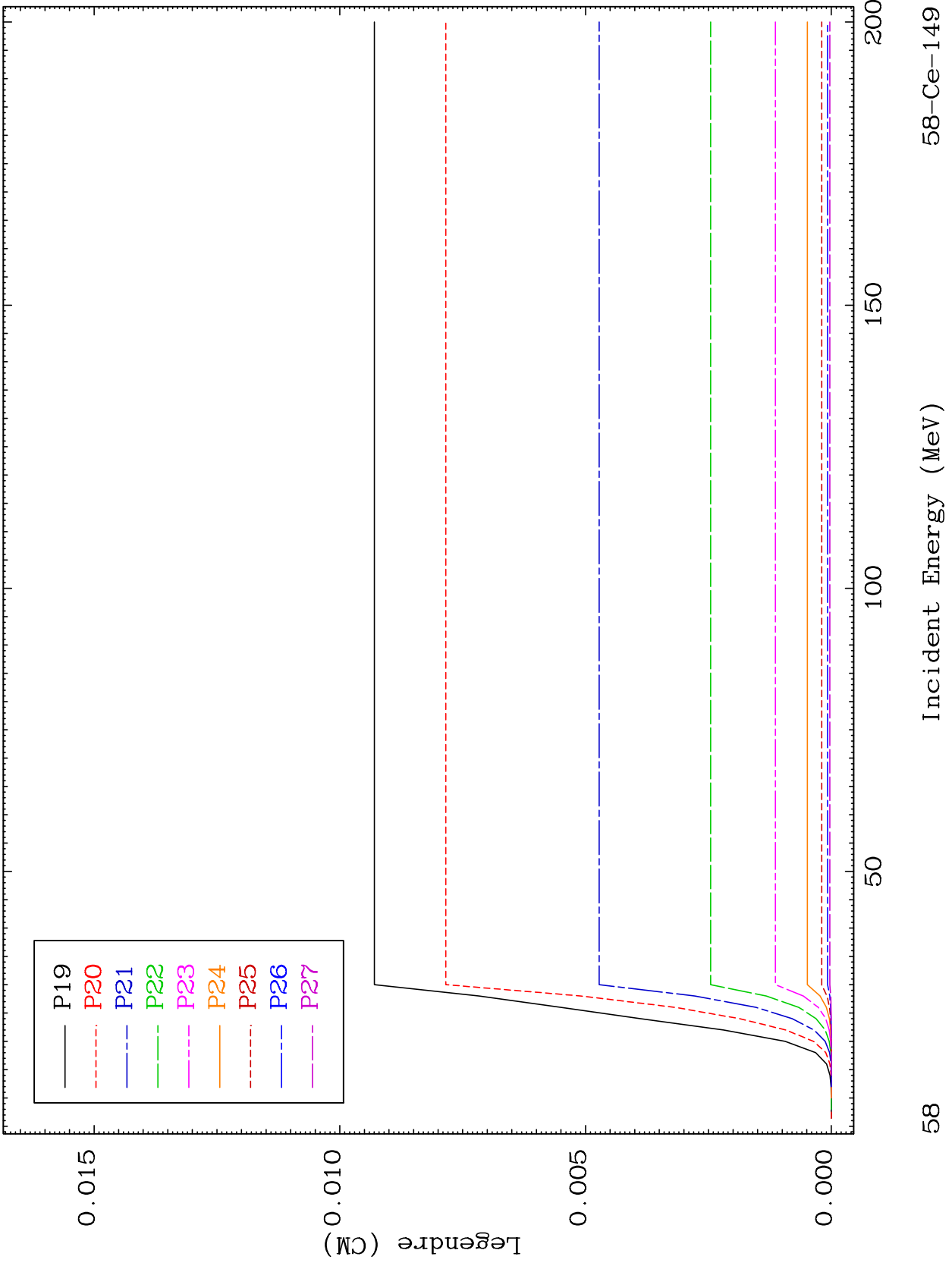
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

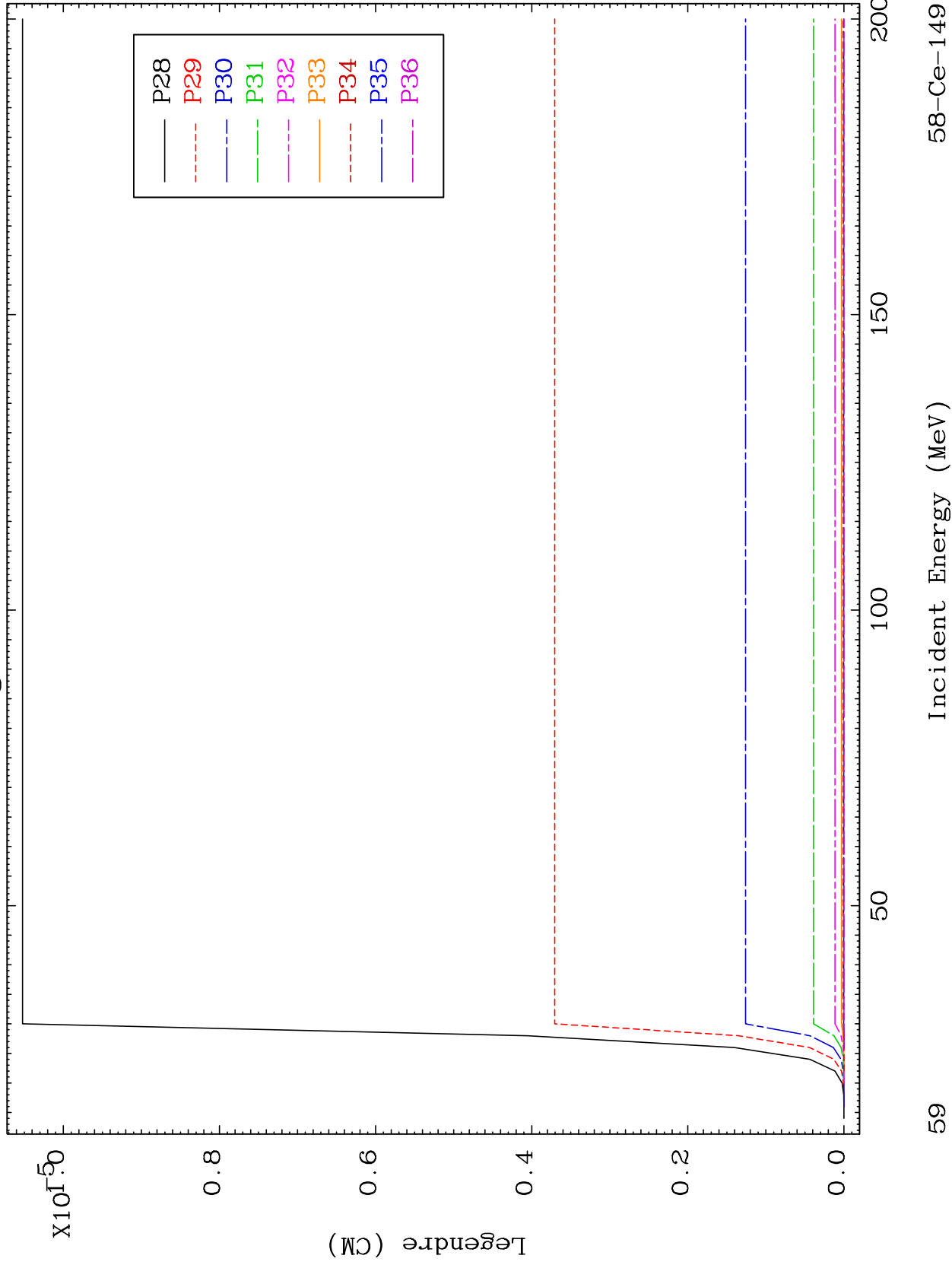
58-Ce-149



MAT 5864

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

58-Ce-149

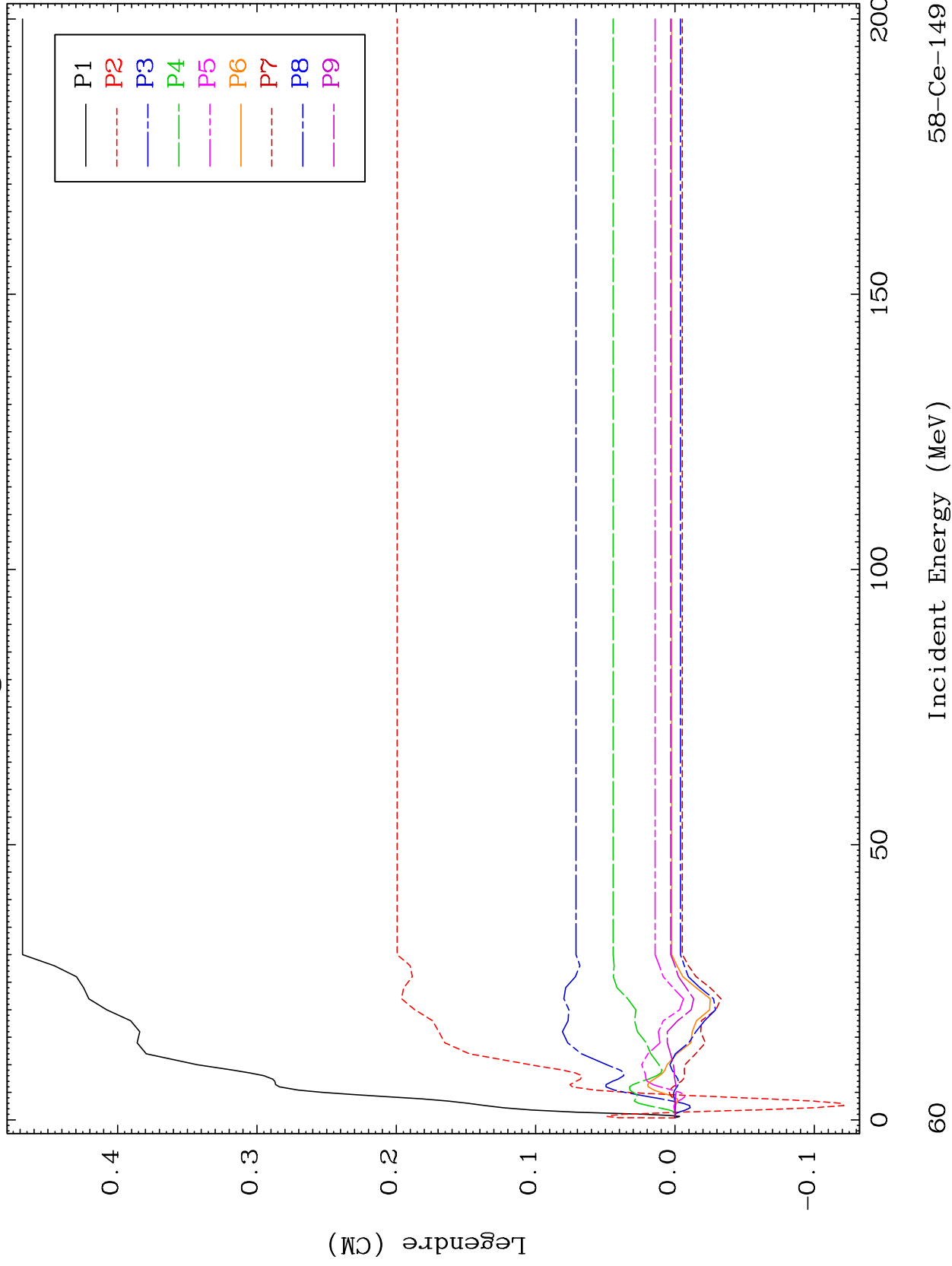


59

MAT 5864

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

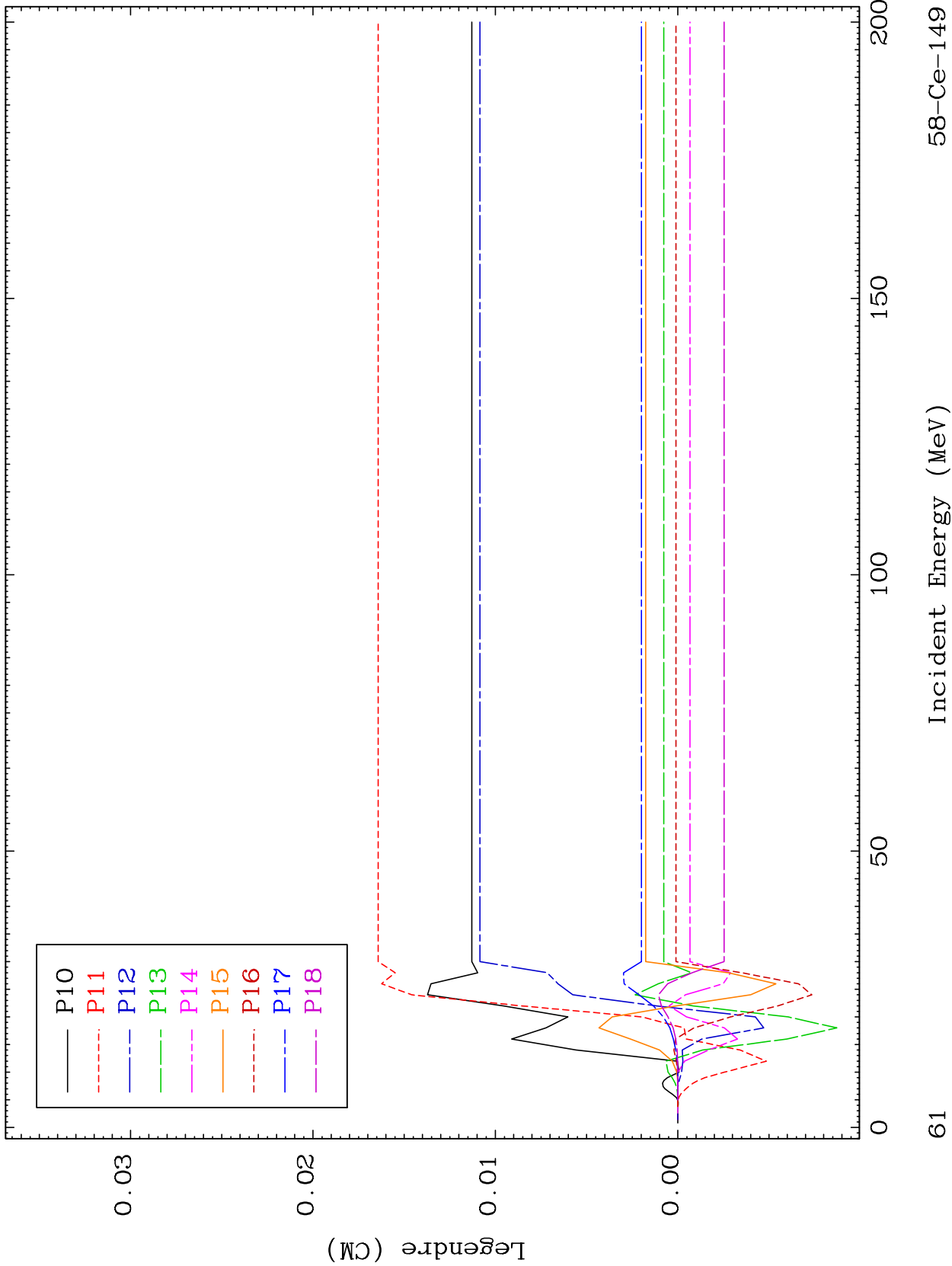
58-Ce-149



MAT 5864

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

58-Ce-149



61

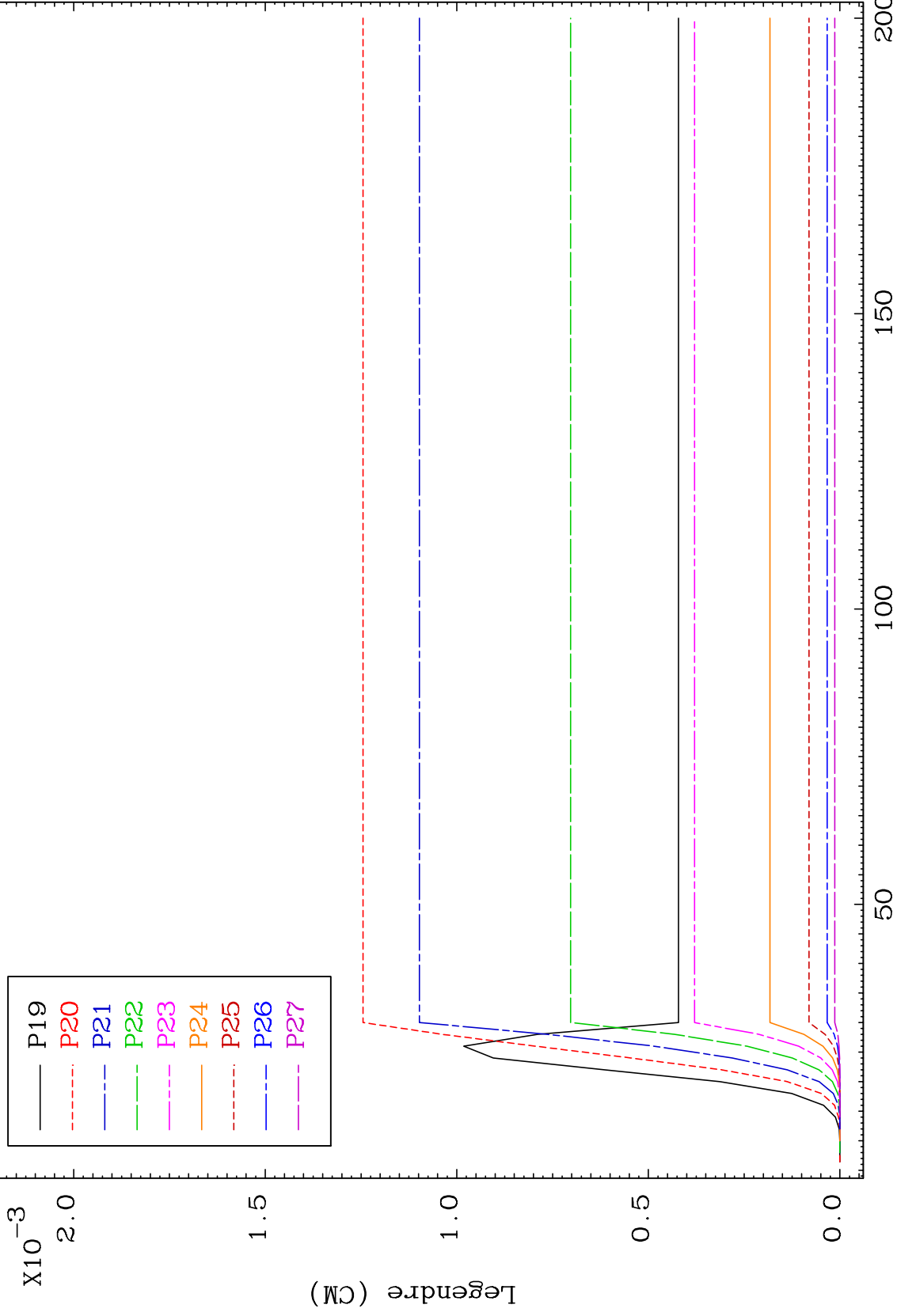
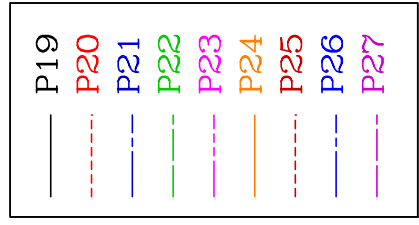
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



62

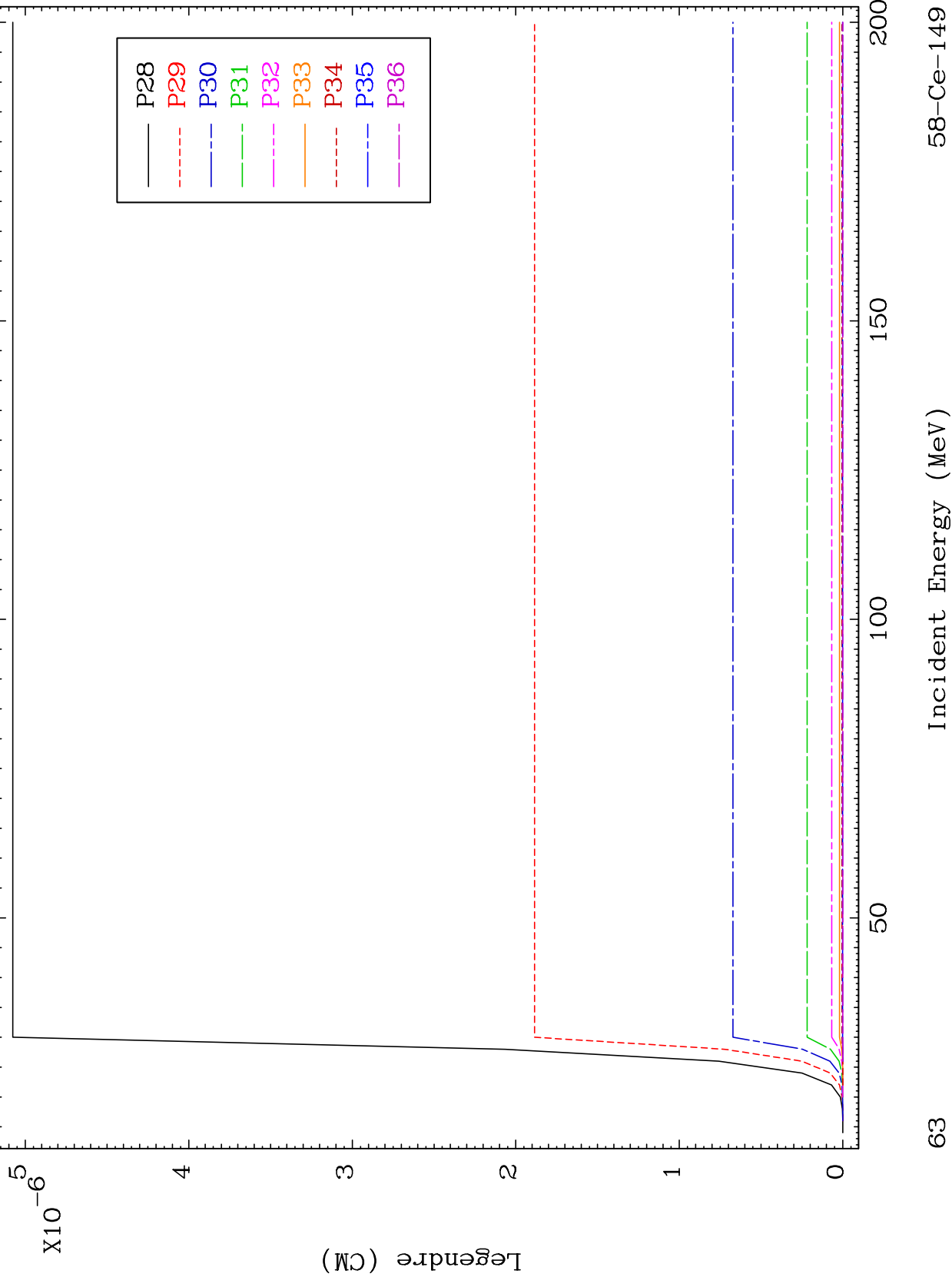
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



63

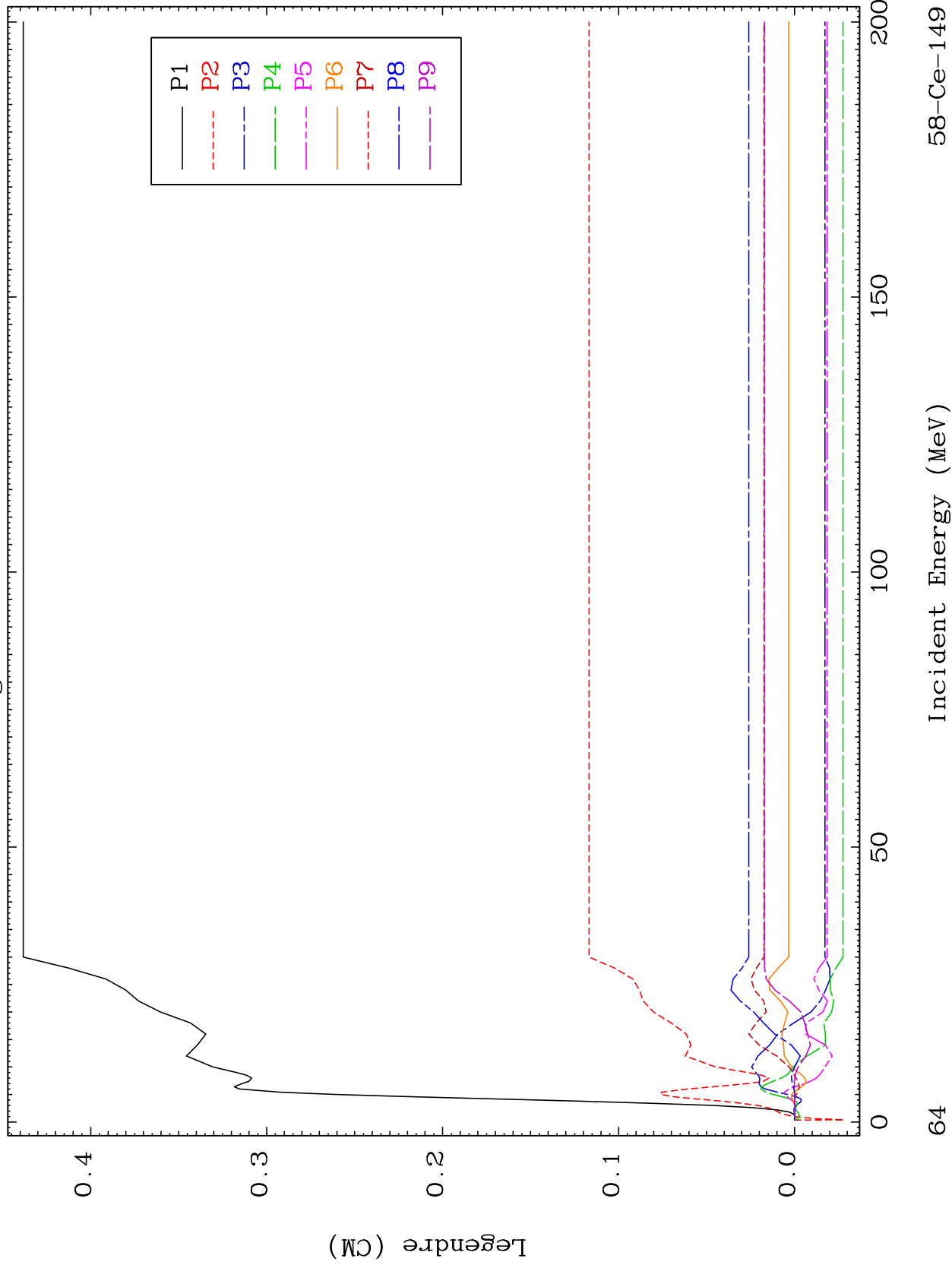
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



64

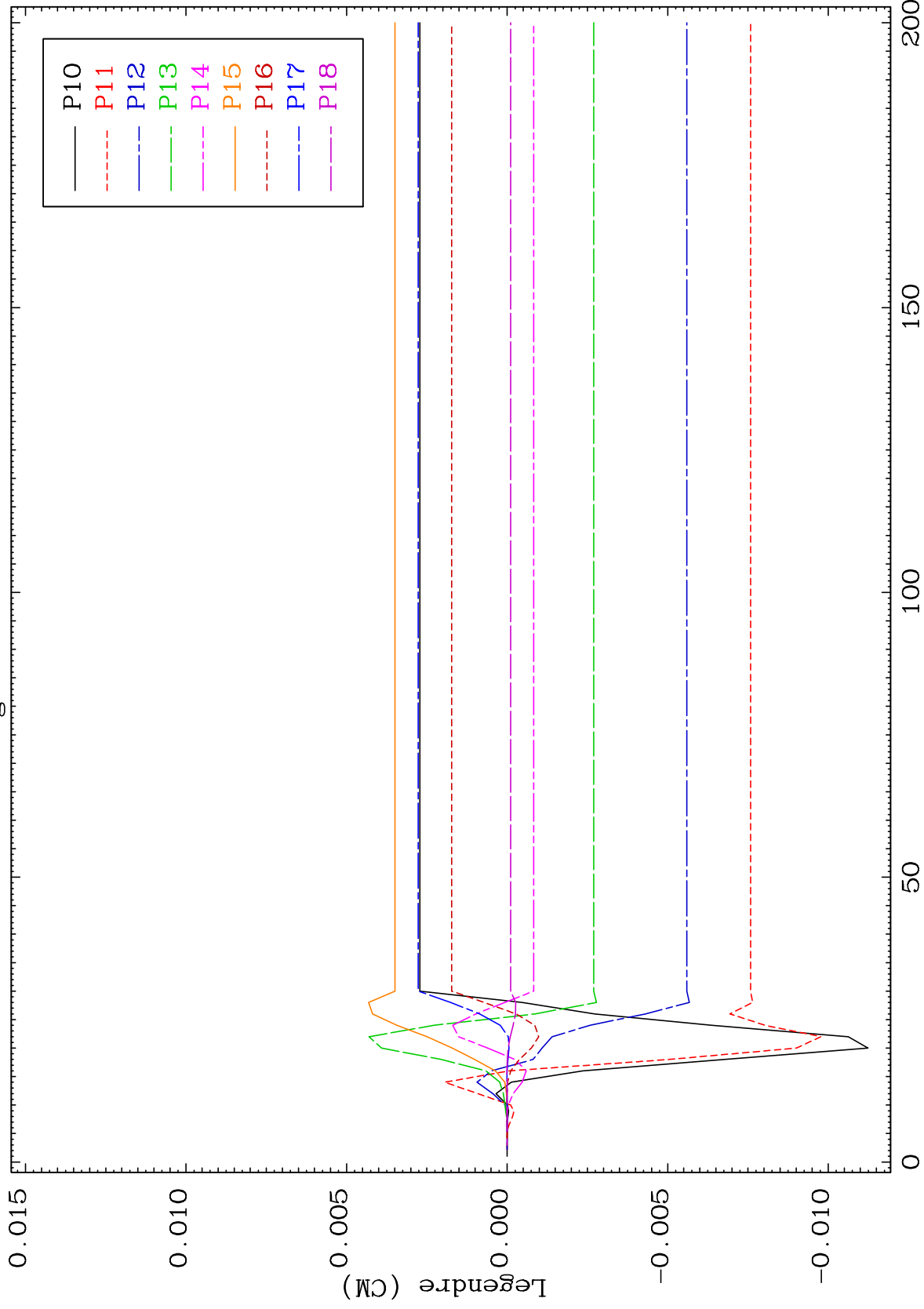
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



65

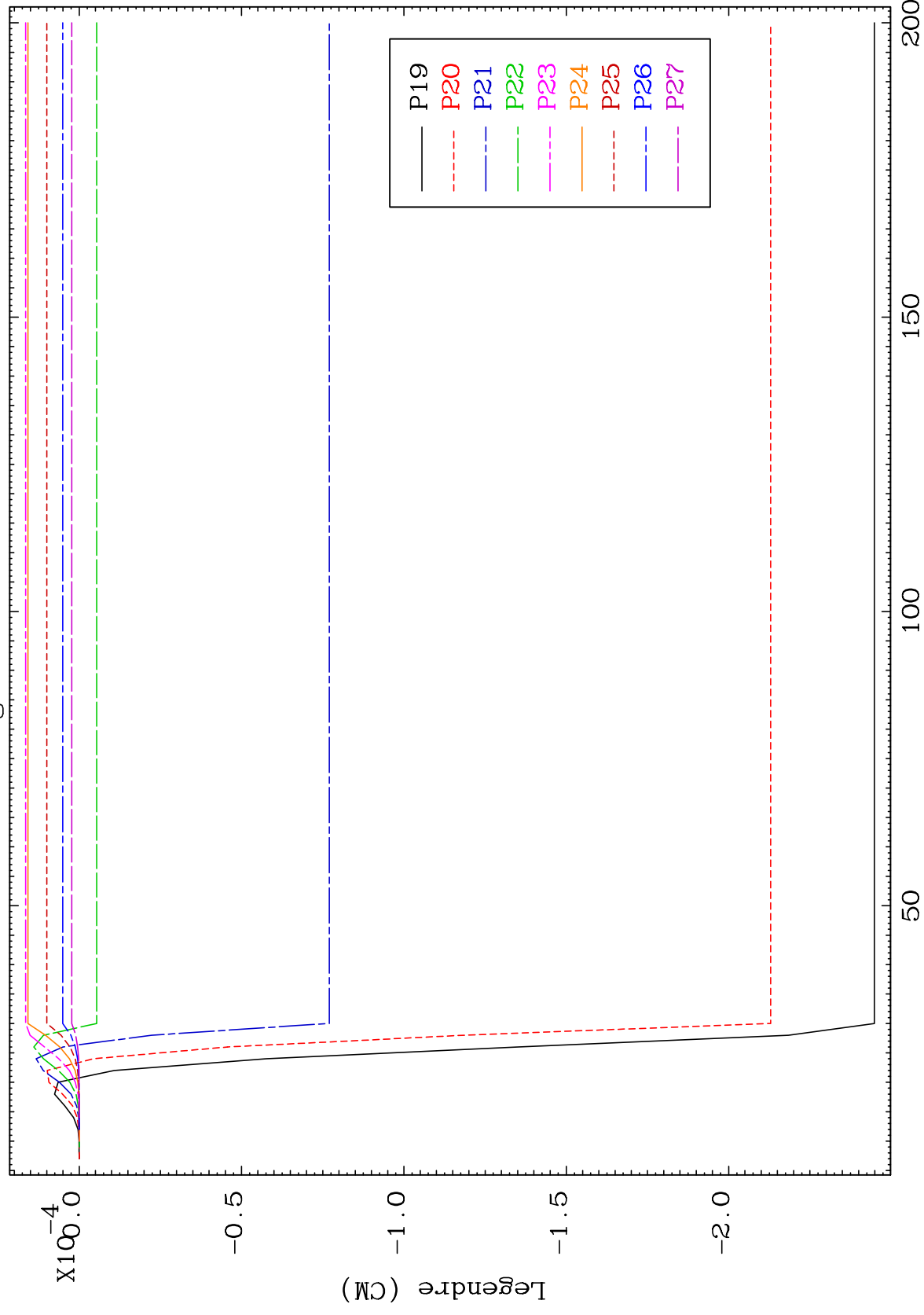
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

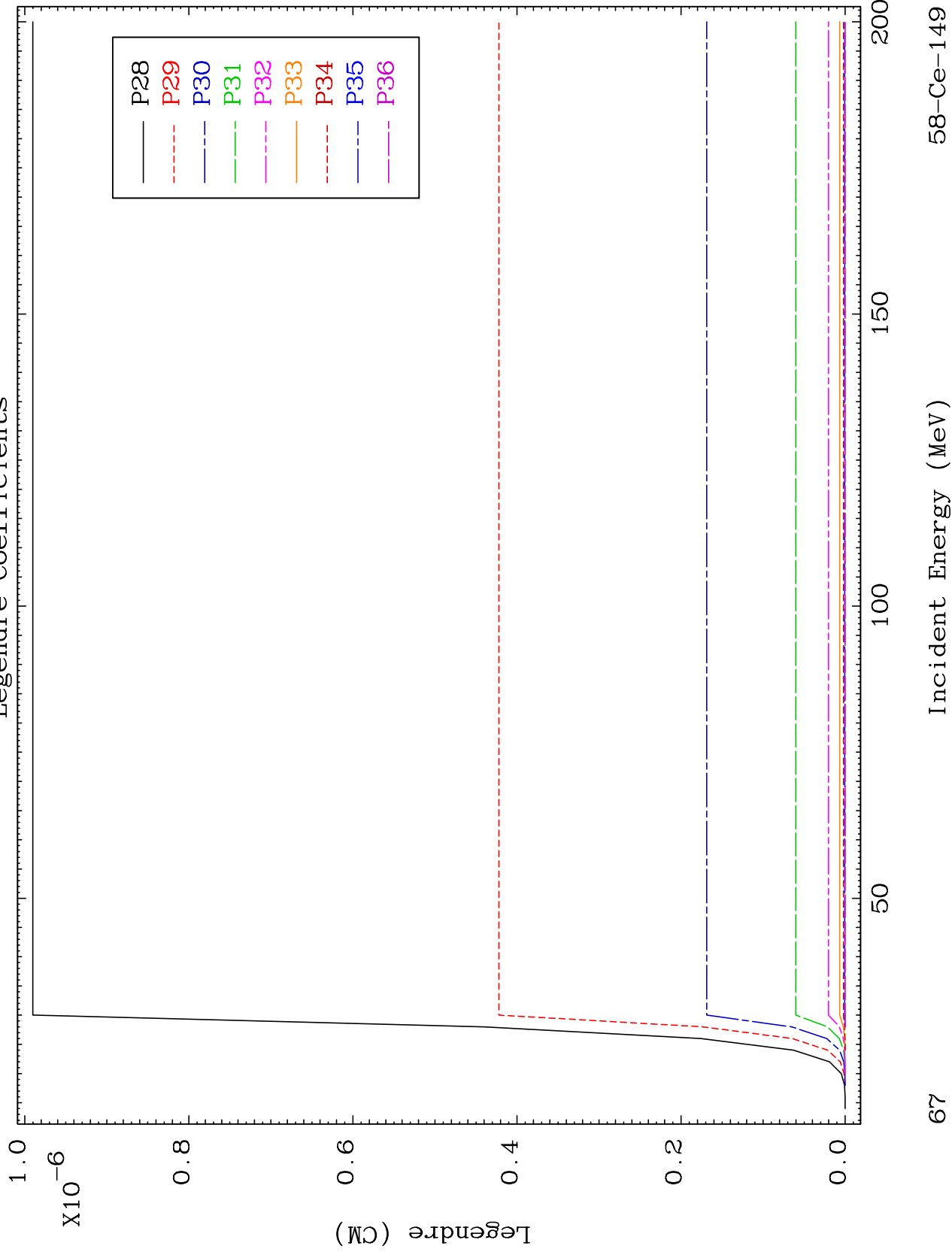
58-Ce-149



MAT 5864

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

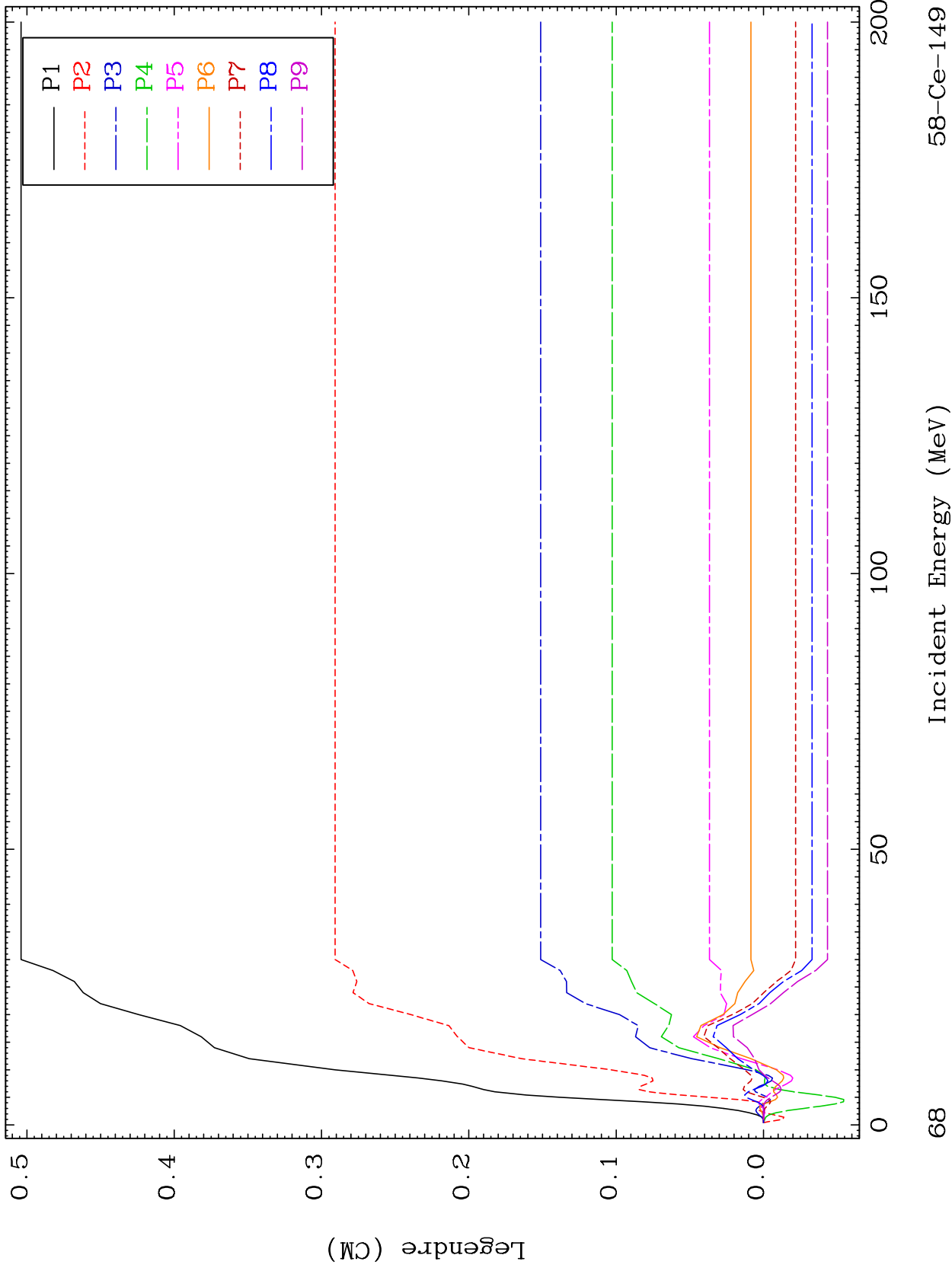
58-Ce-149



MAT 5864

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

58-Ce-149



58-Ce-149

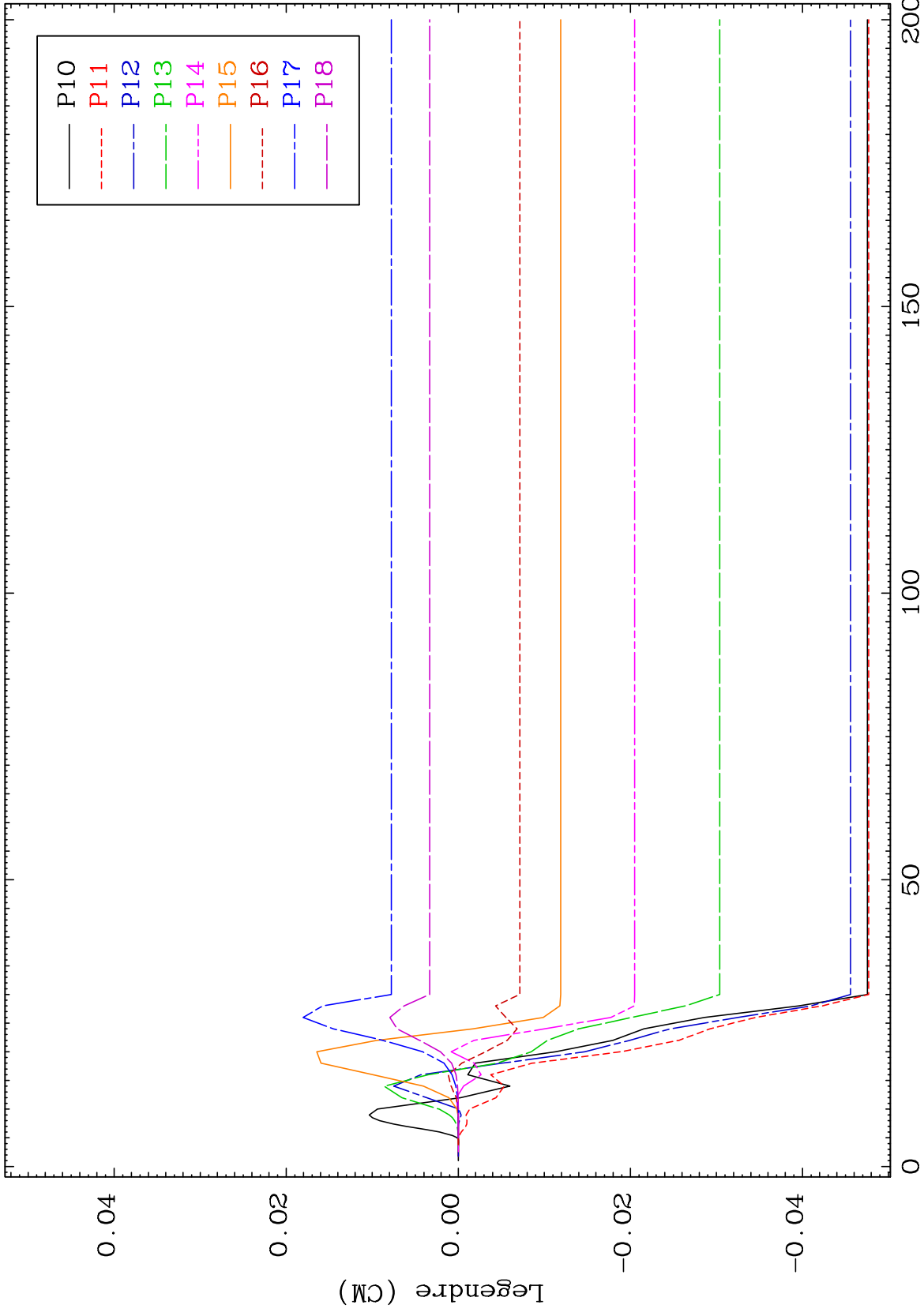
Incident Energy (MeV)

68

MAT 5864

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

58-Ce-149



69

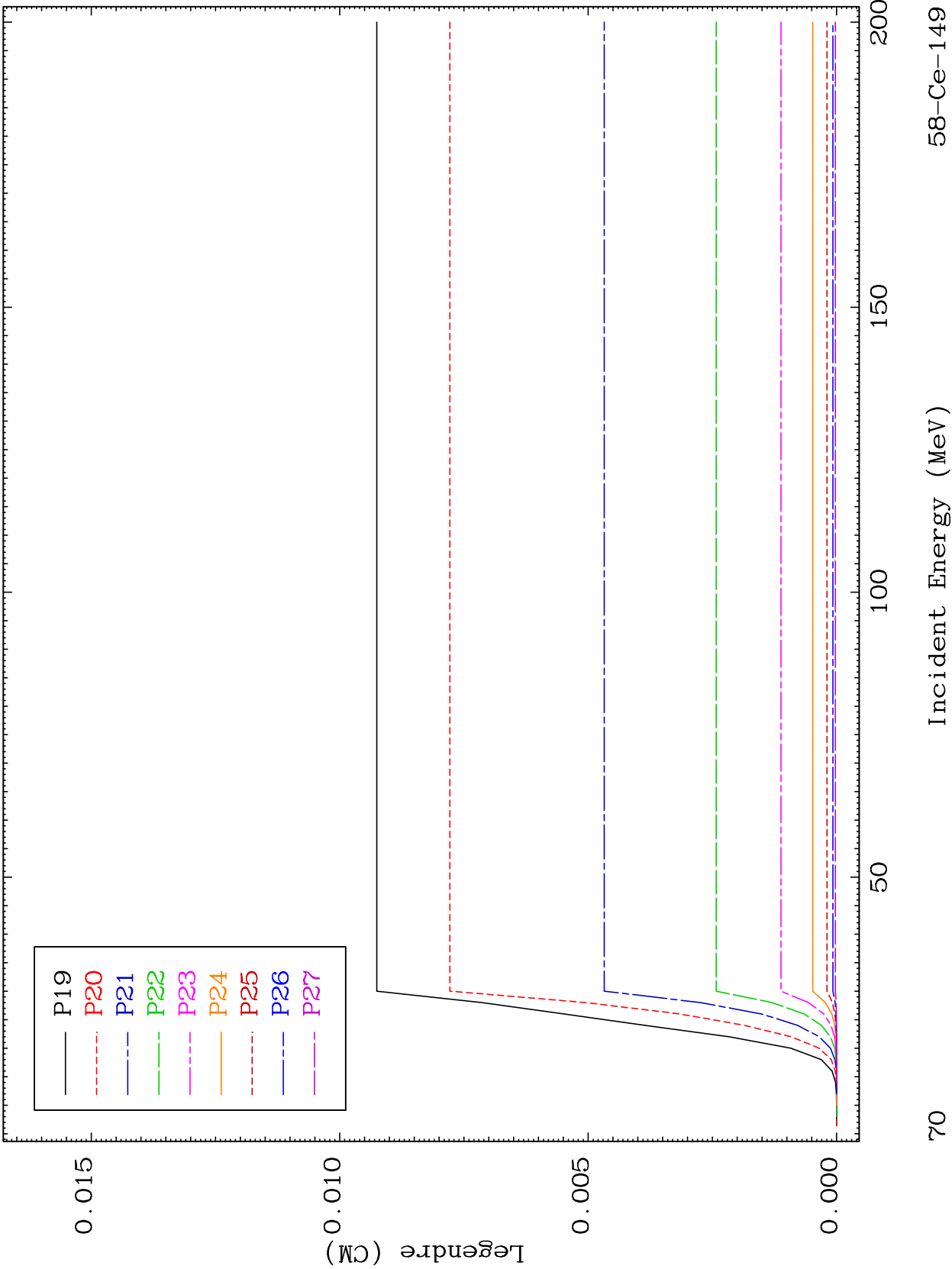
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



70

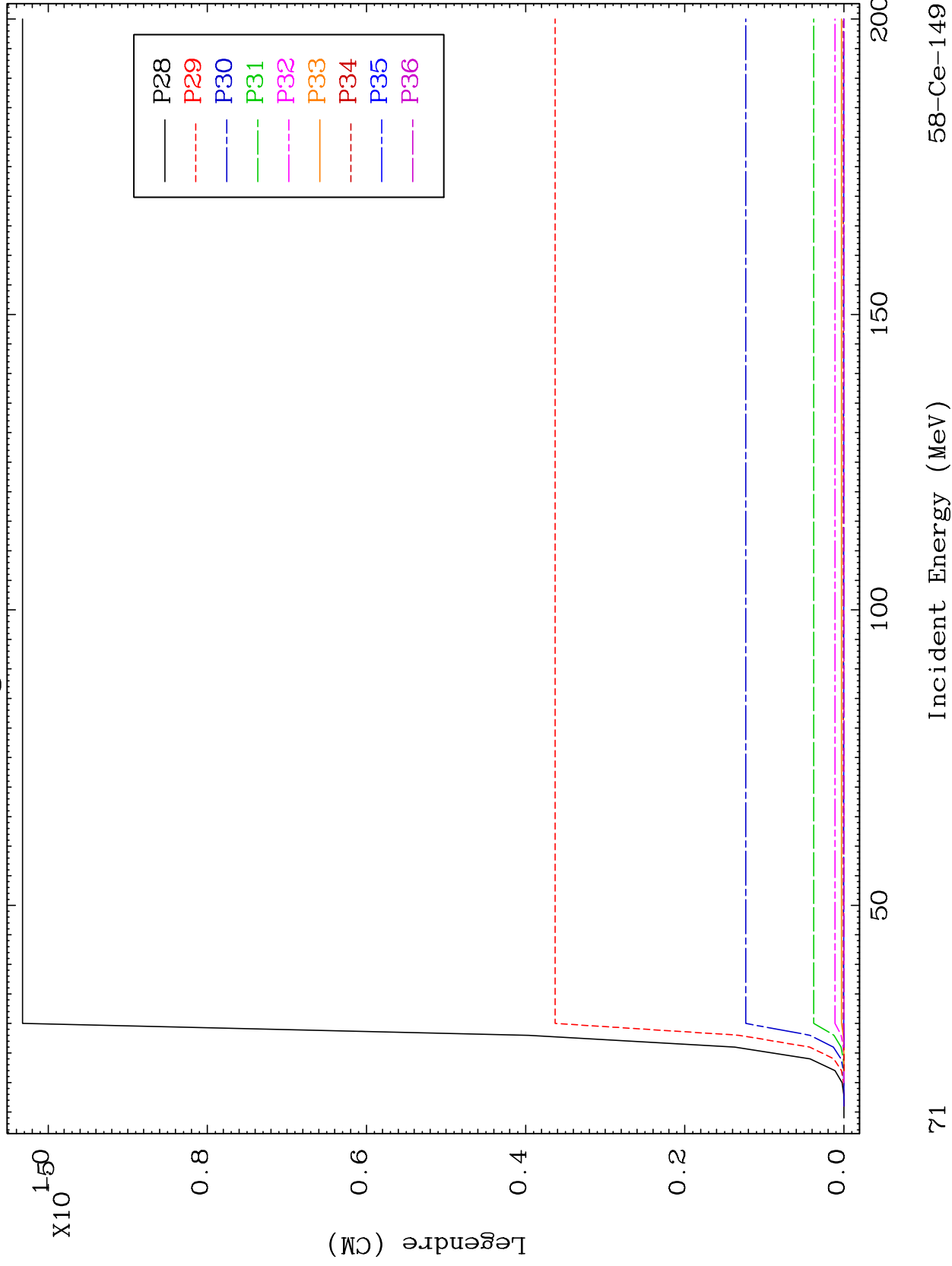
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



71

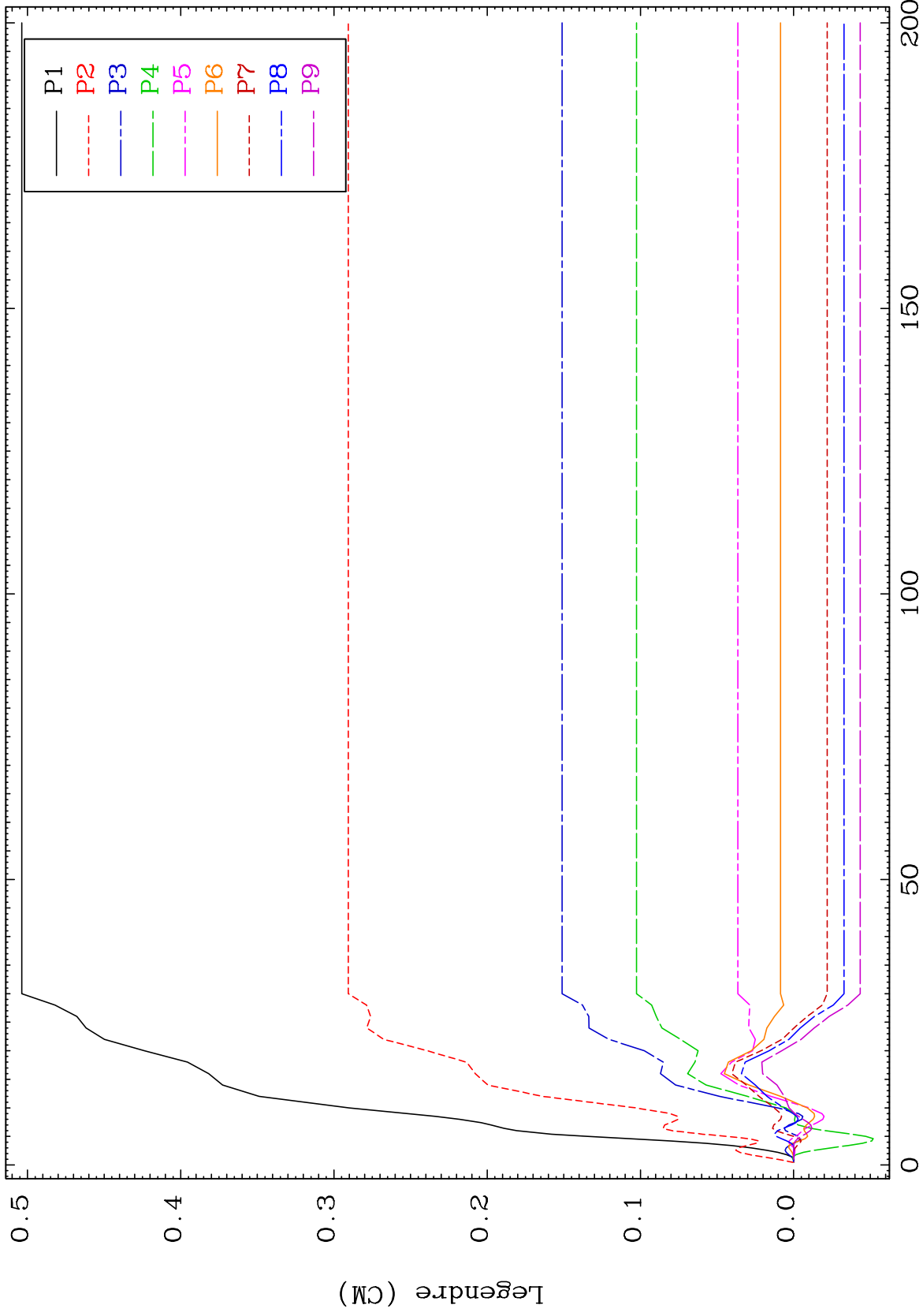
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



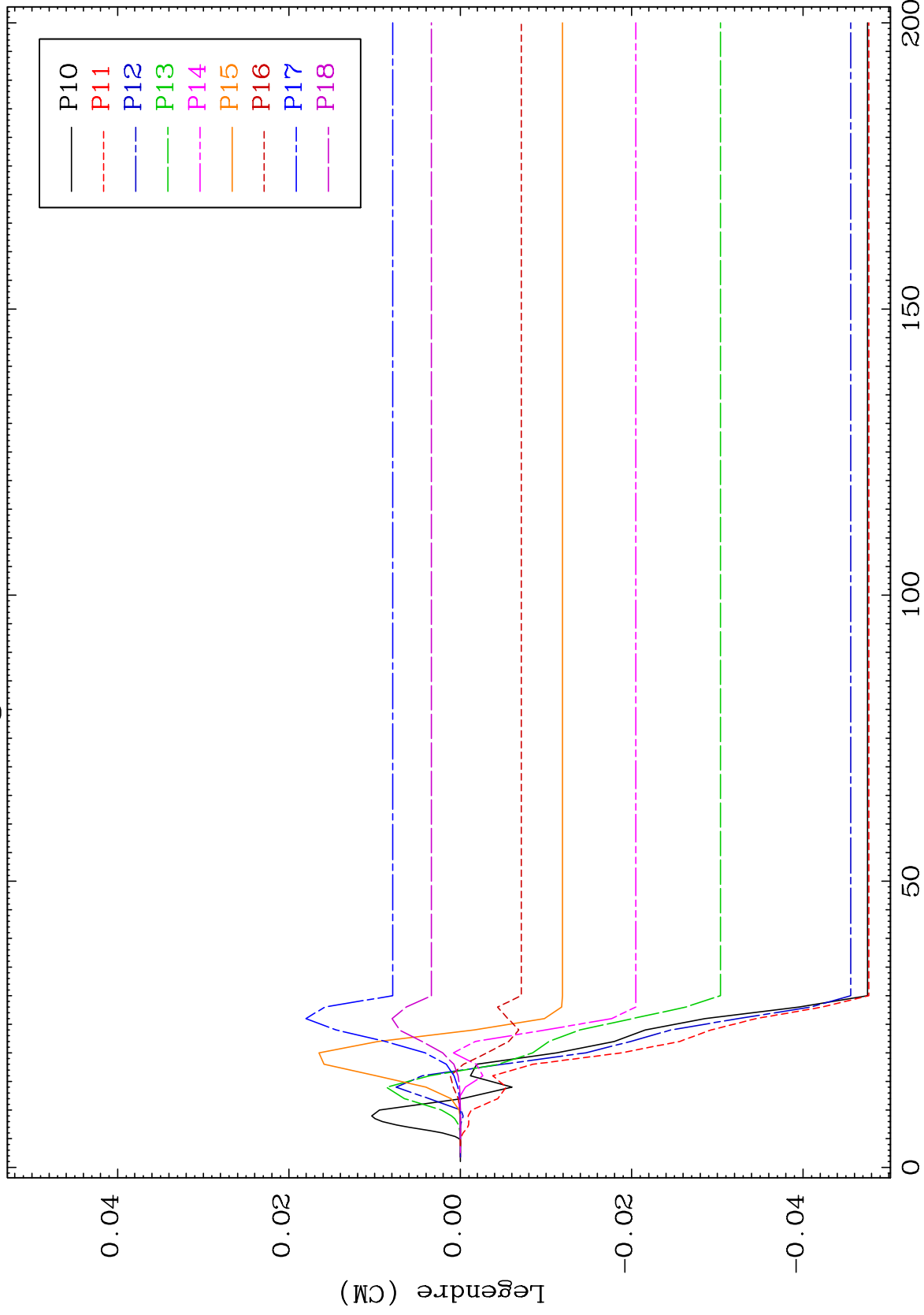
72

58-Ce-149

MAT 5864

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

58-Ce-149



73

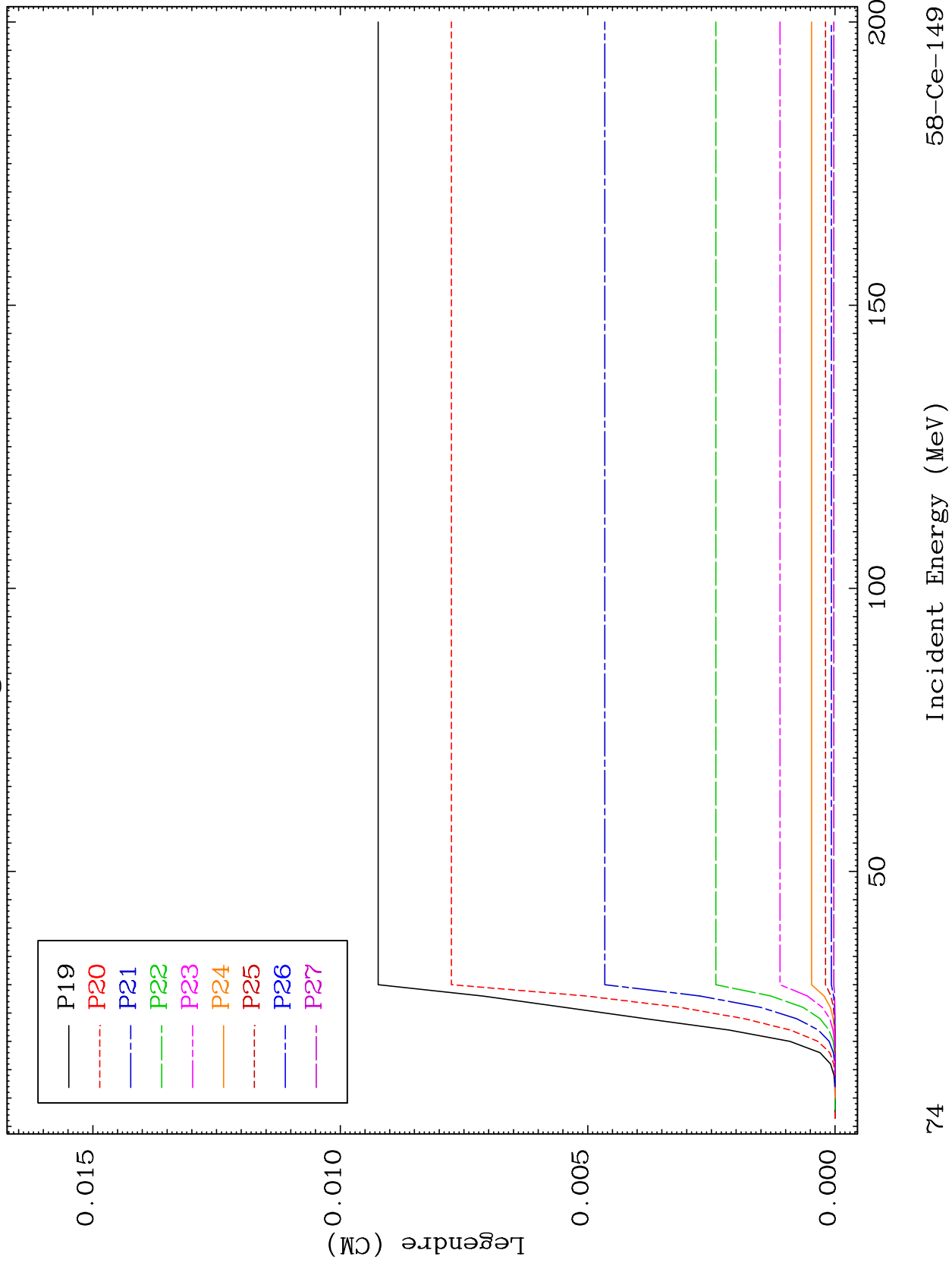
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



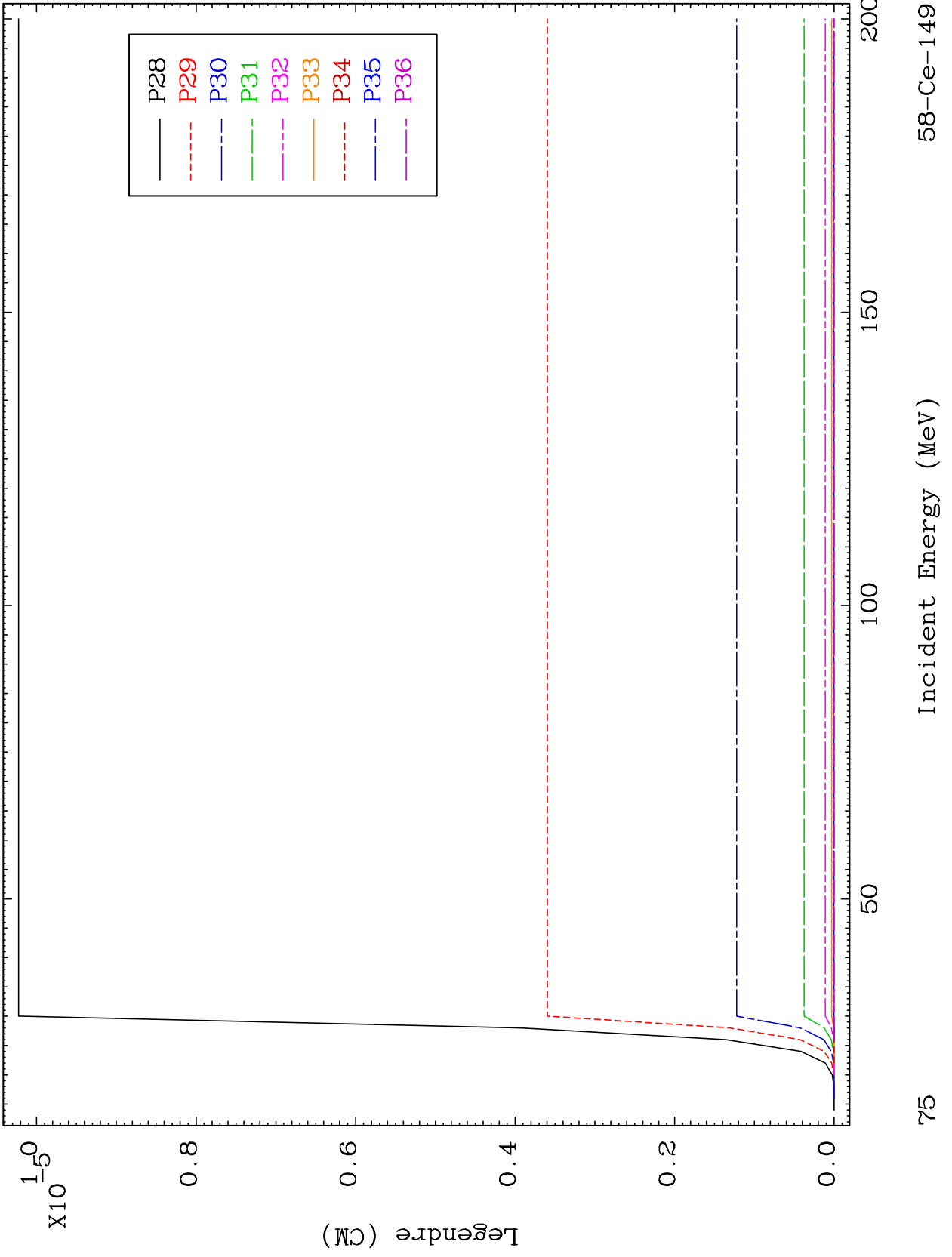
74

58-Ce-149

MAT 5864

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

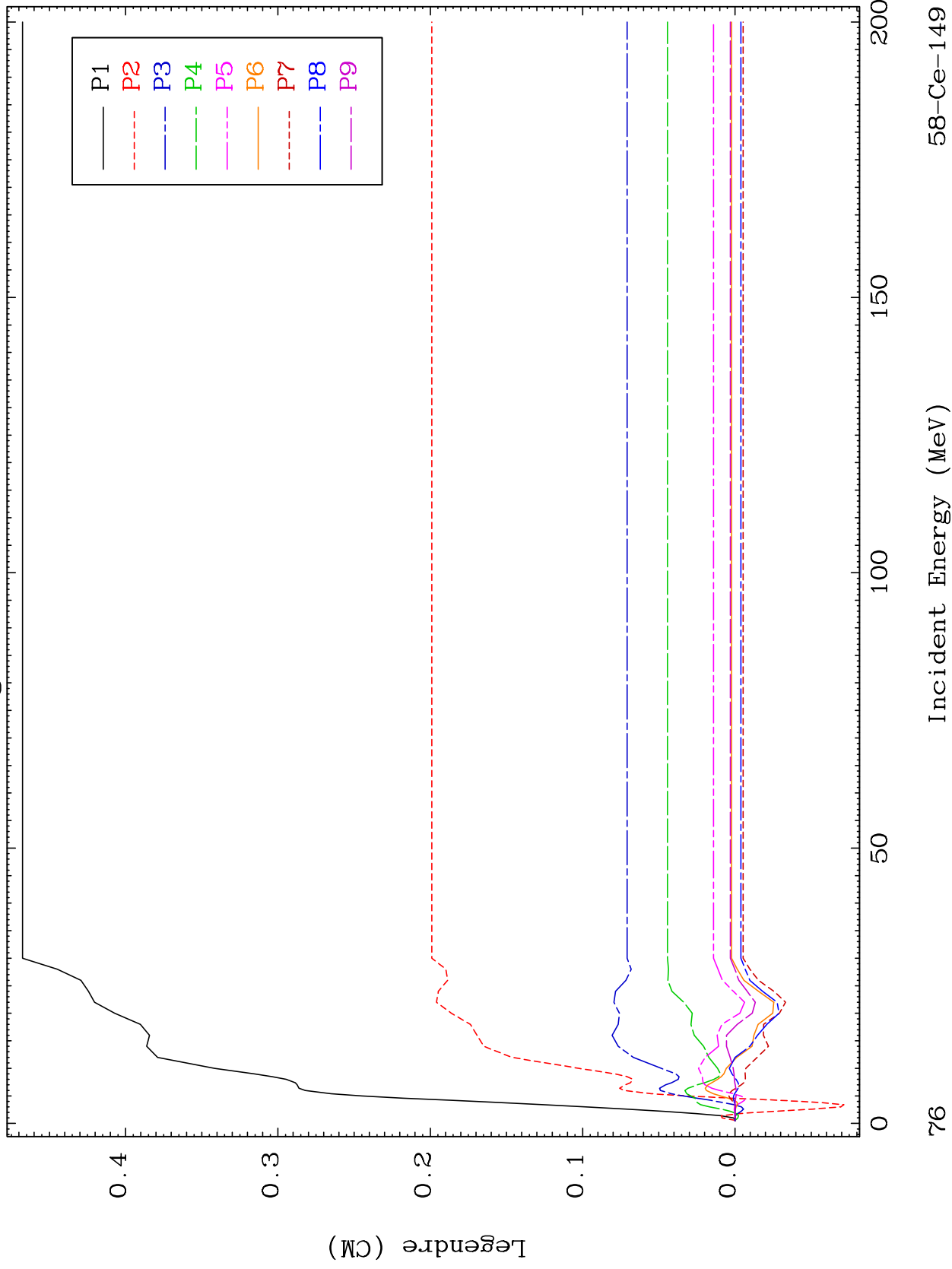
58-Ce-149



MAT 5864

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

58-Ce-149



58-Ce-149

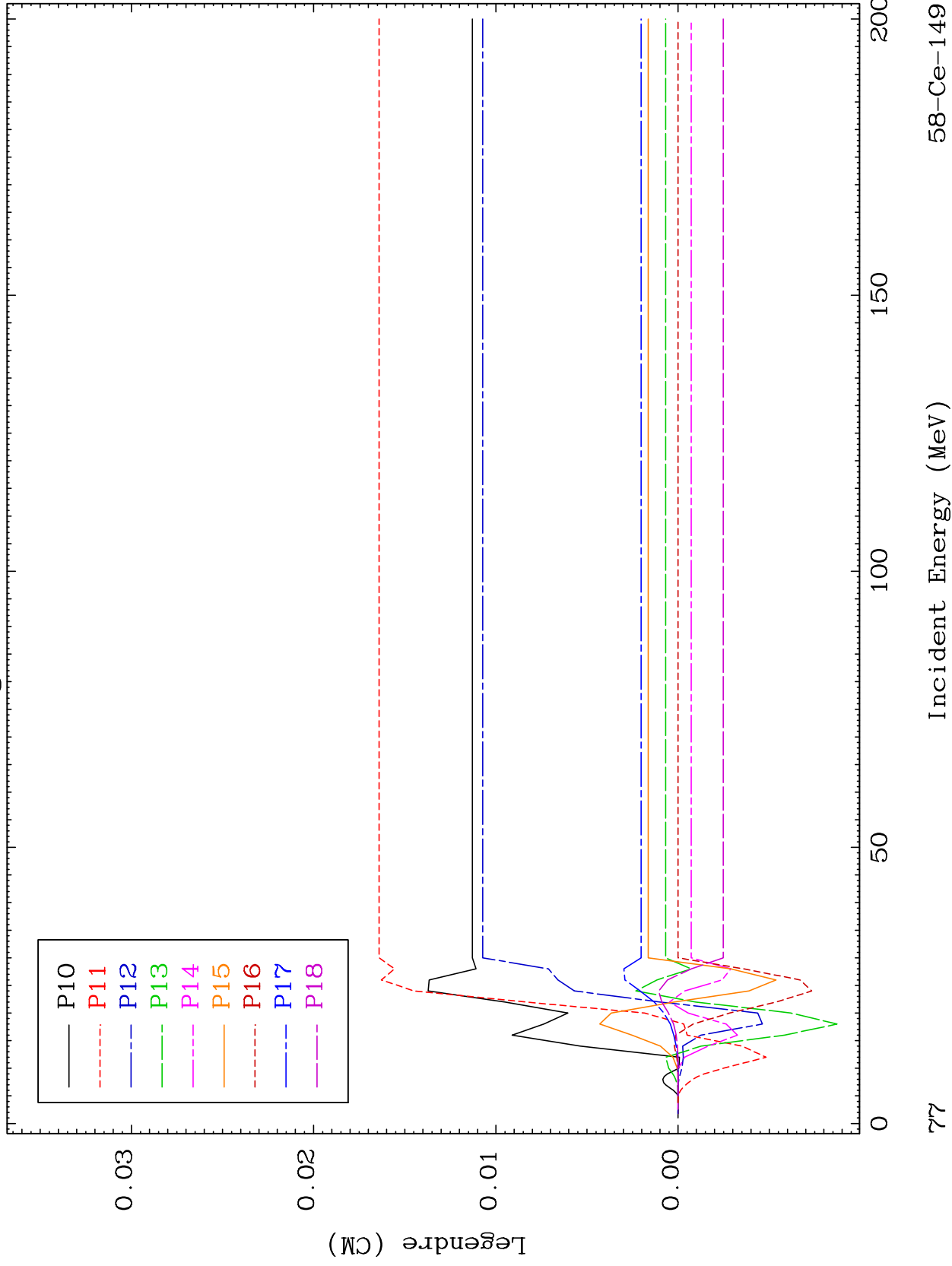
Incident Energy (MeV)

76

MAT 5864

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

58-Ce-149



77

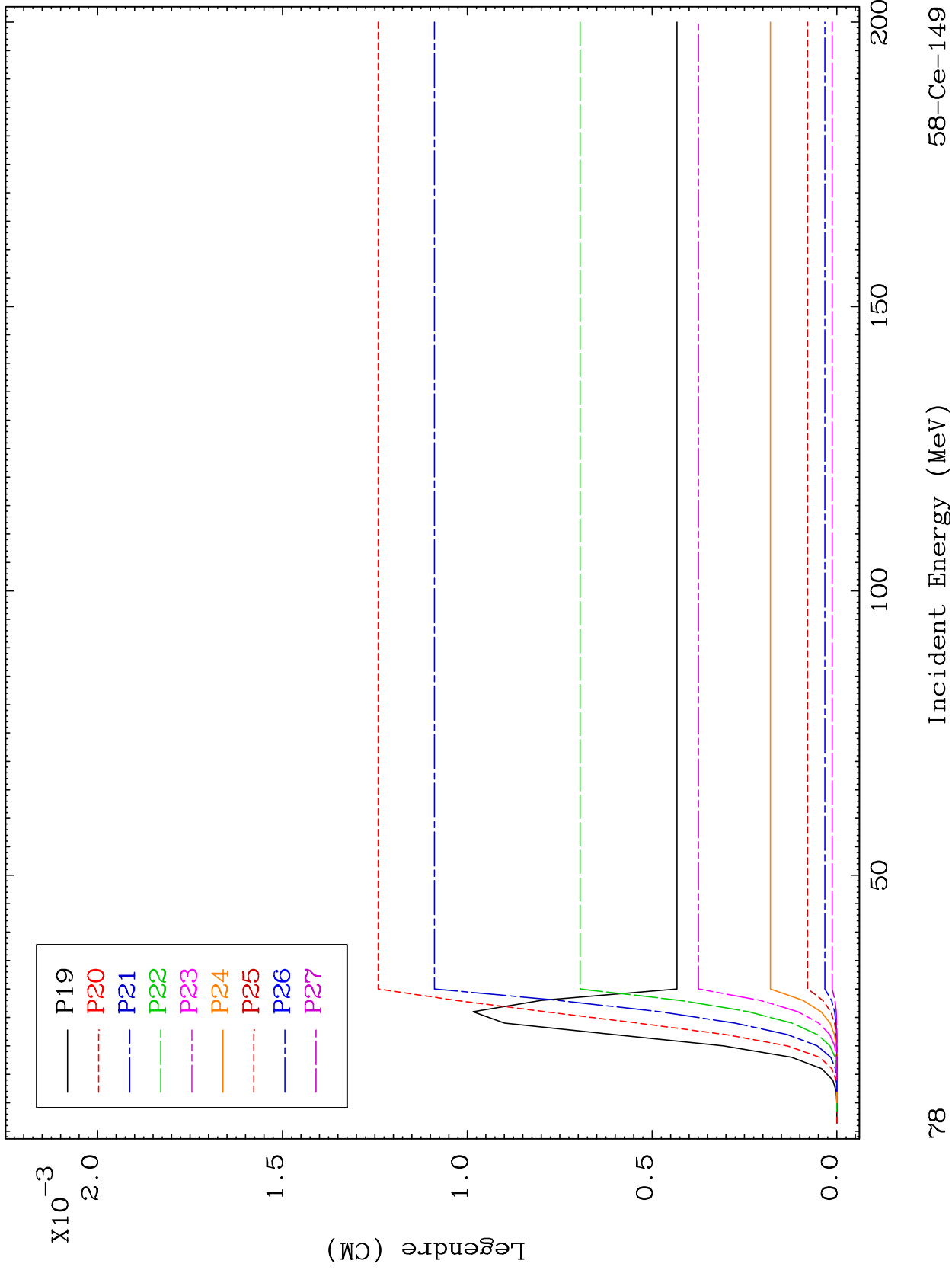
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



78

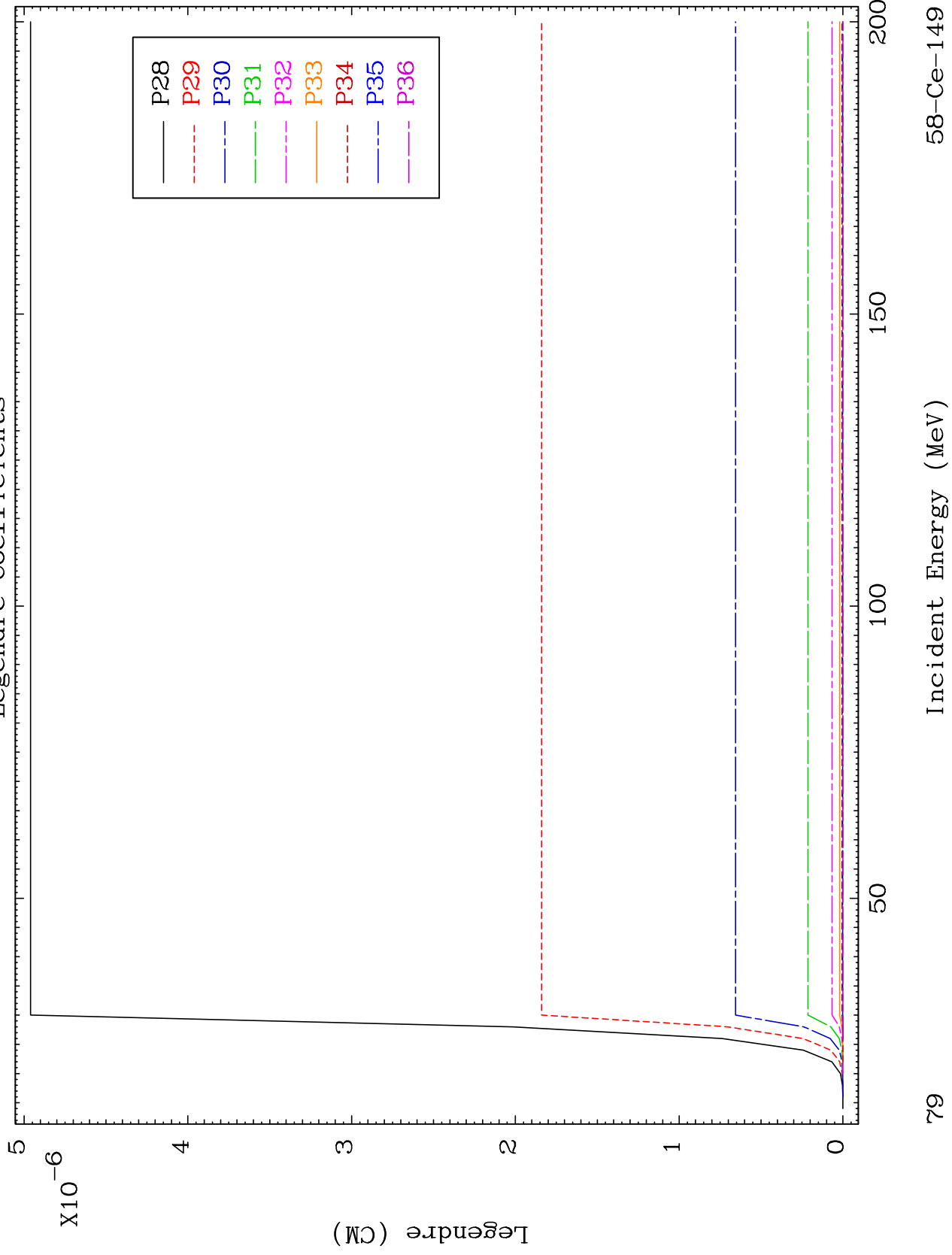
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

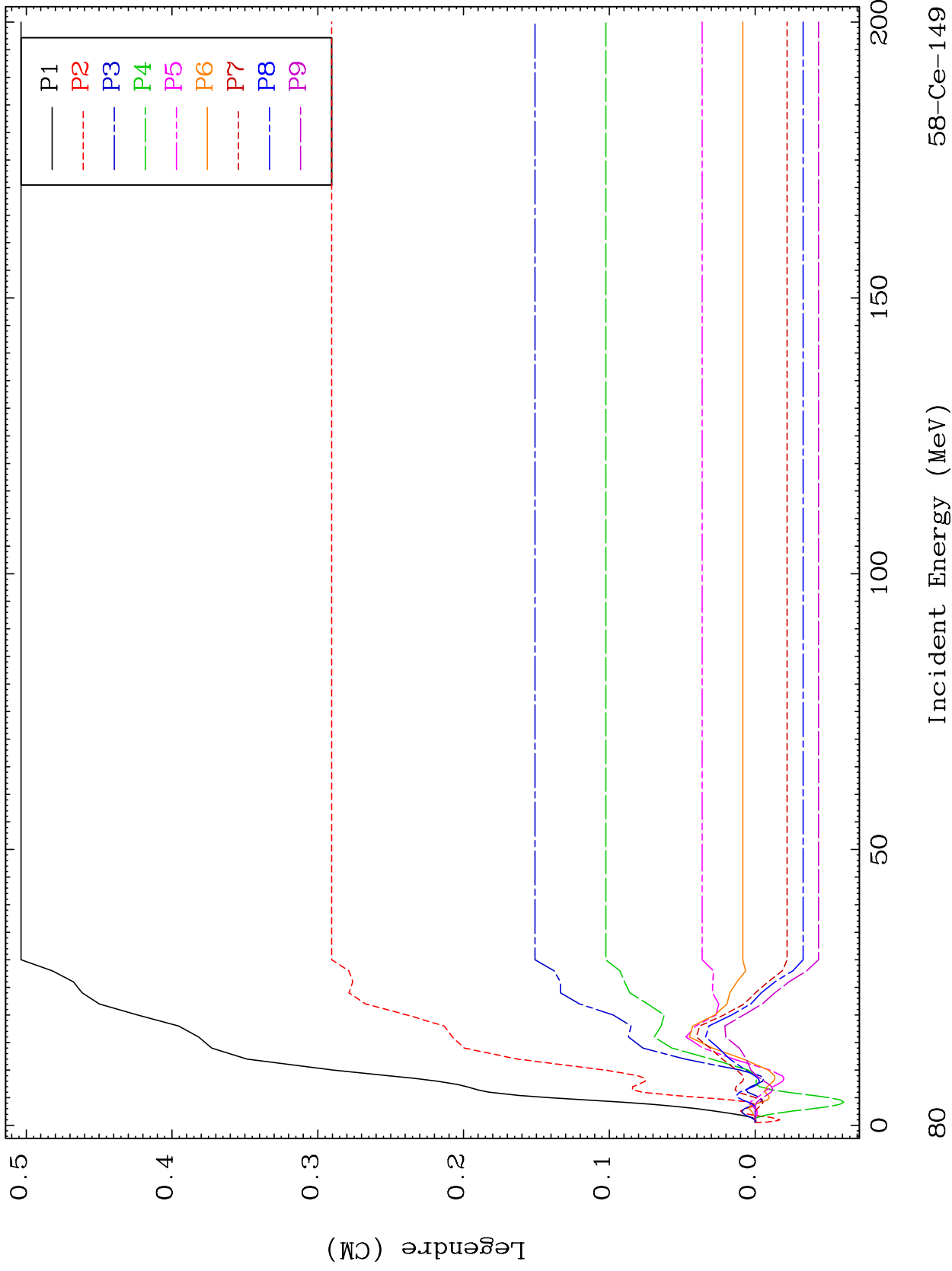
58-Ce-149



MAT 5864

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

58-Ce-149

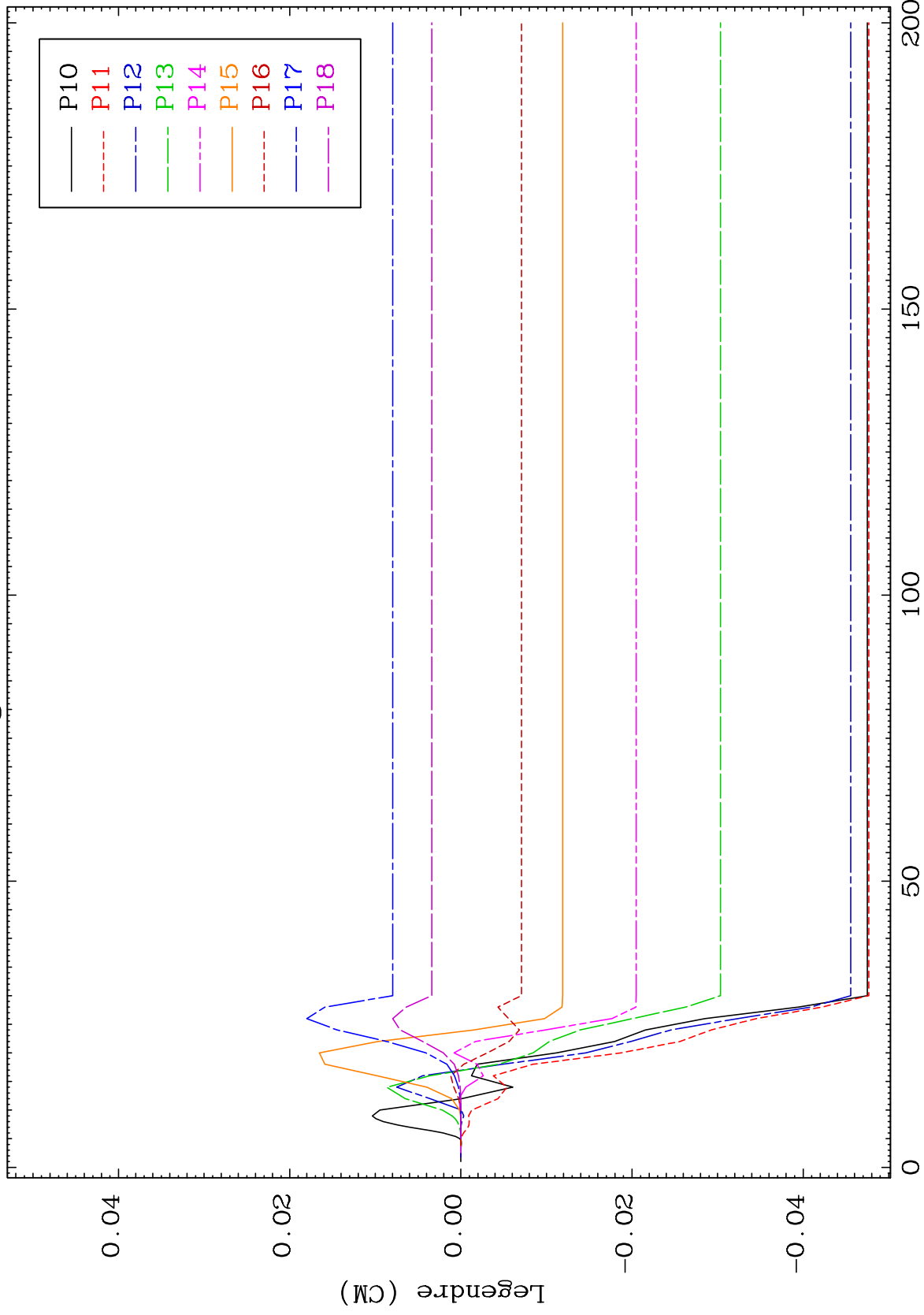


58-Ce-149

MAT 5864

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

58-Ce-149



81

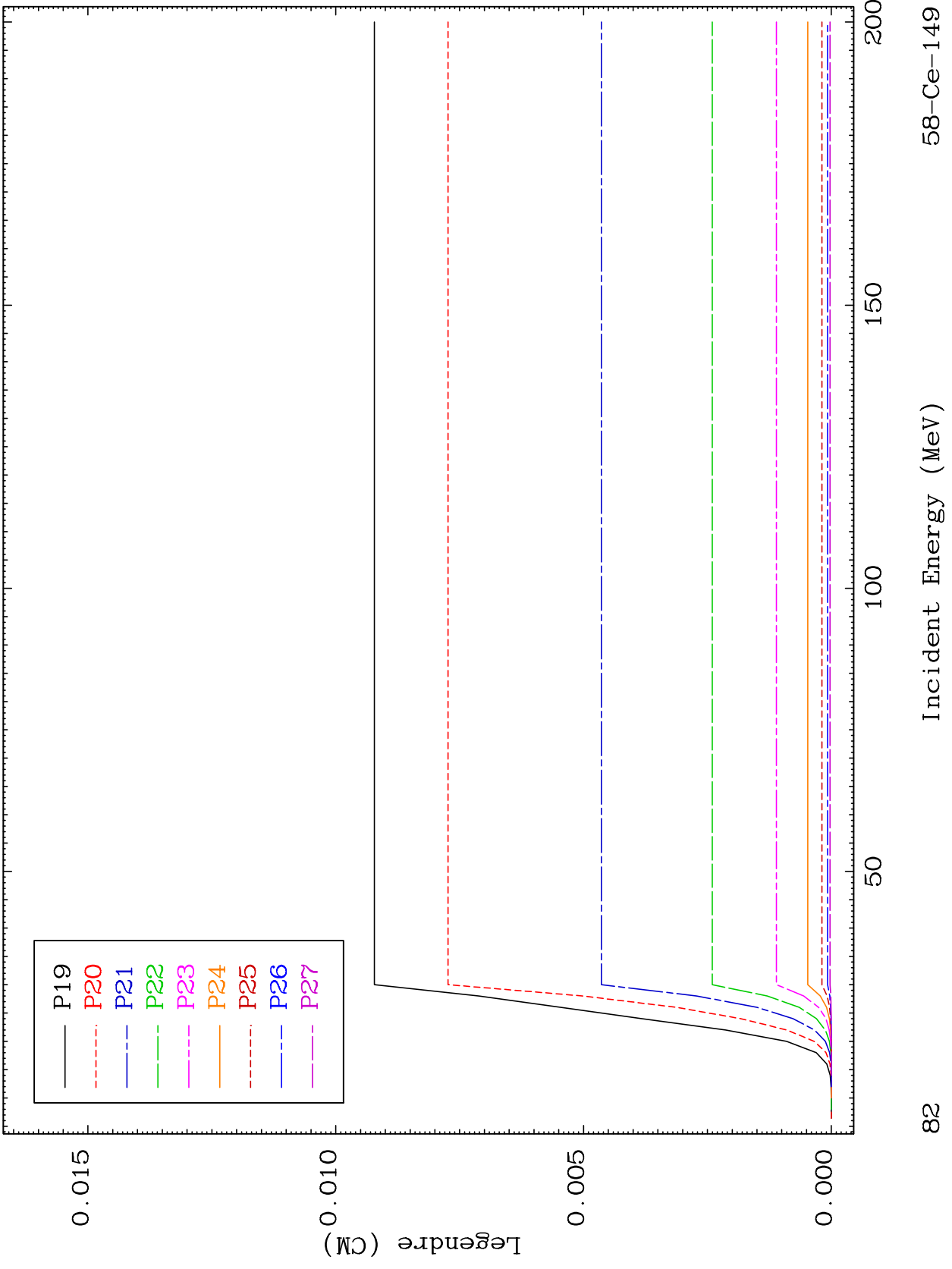
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

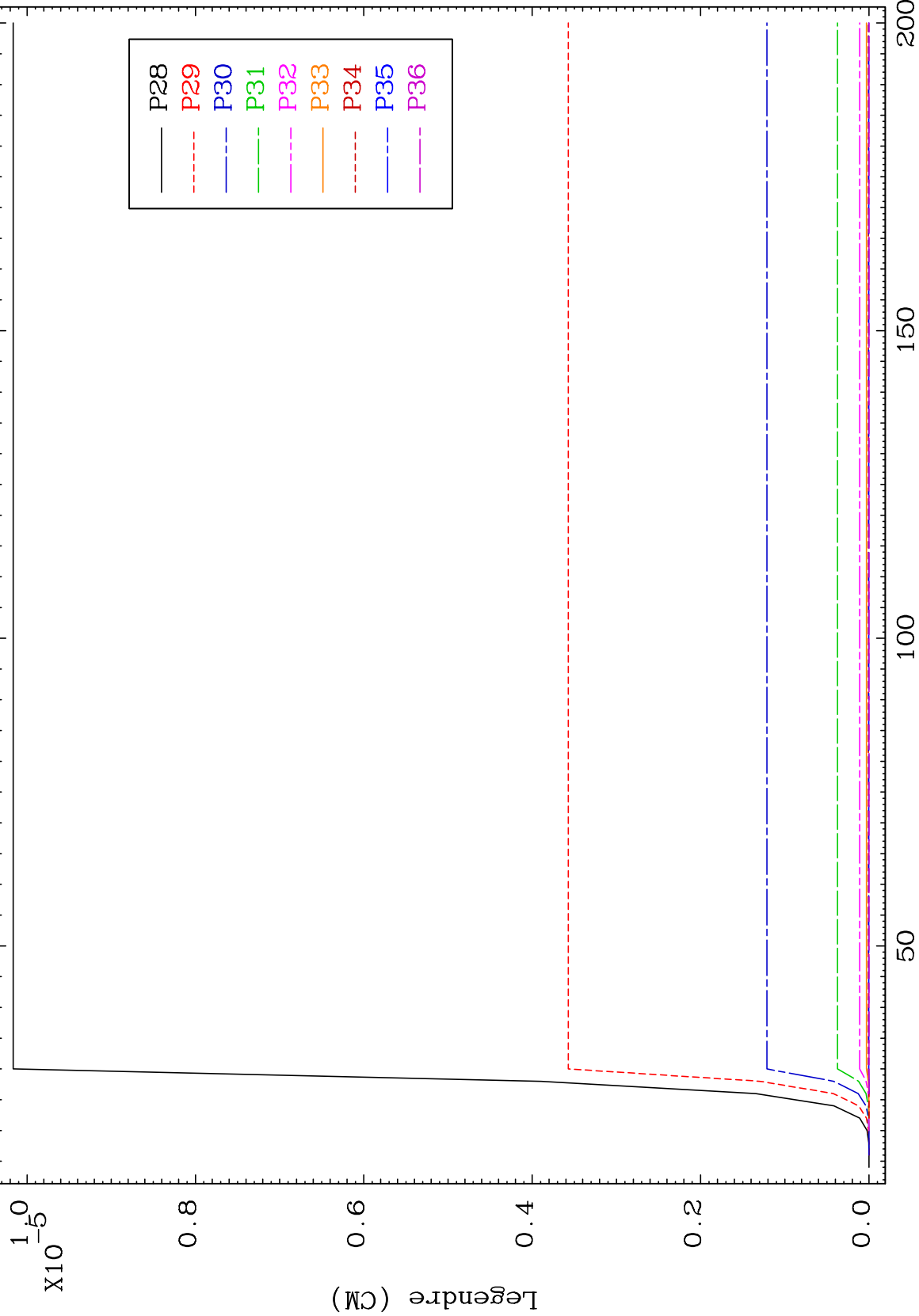
58-Ce-149



MAT 5864

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

58-Ce-149



83

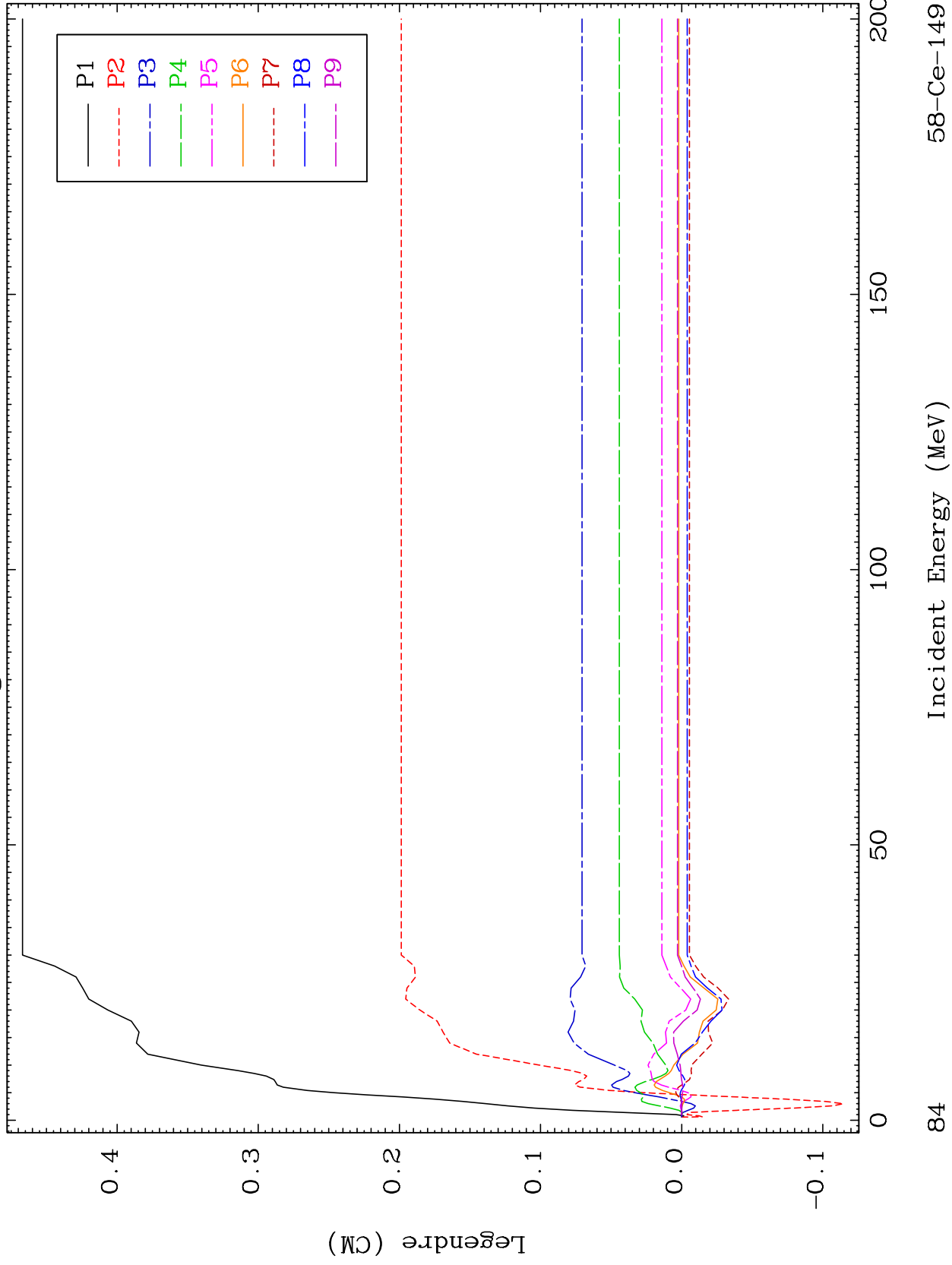
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

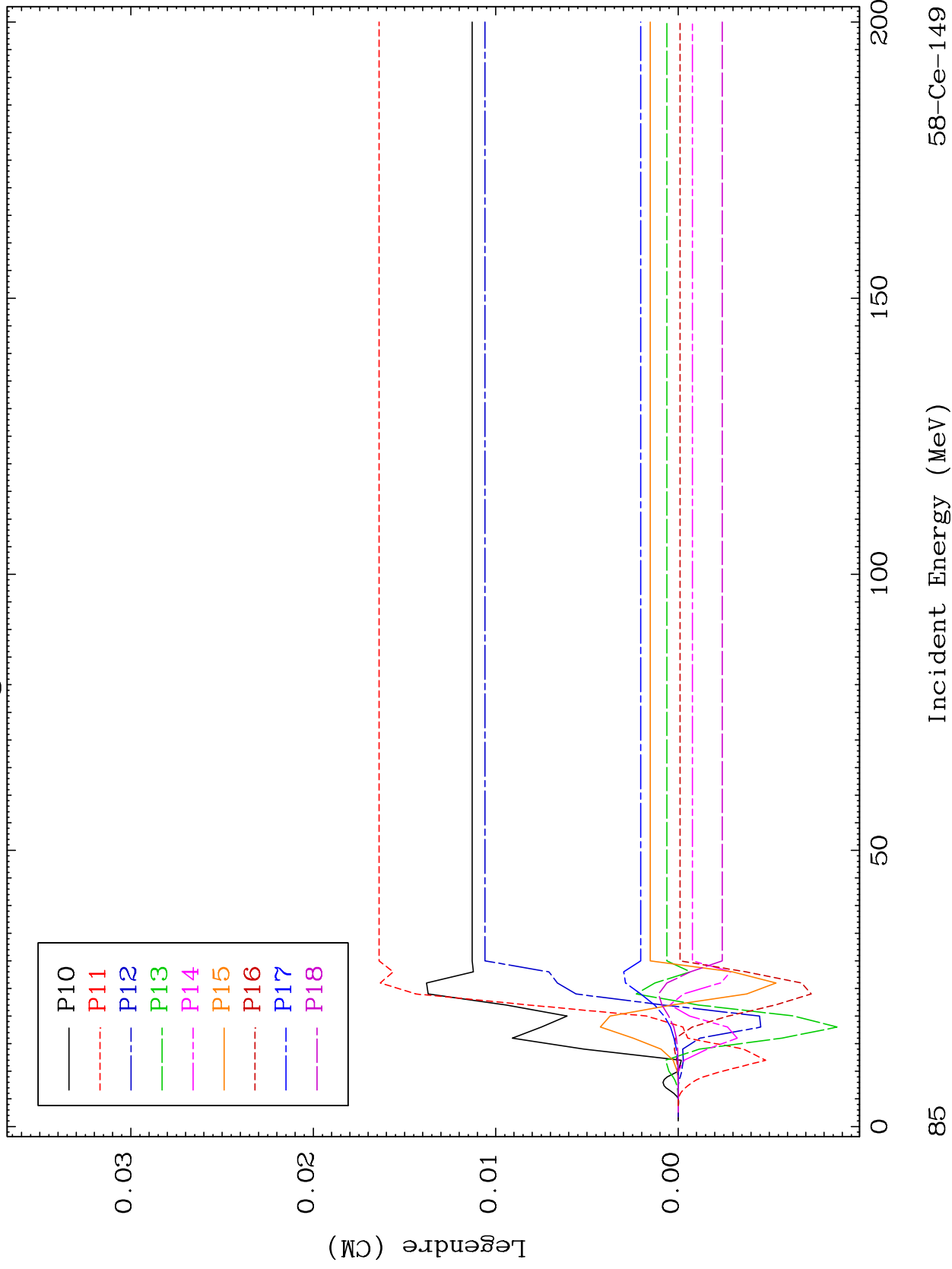
58-Ce-149



MAT 5864

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

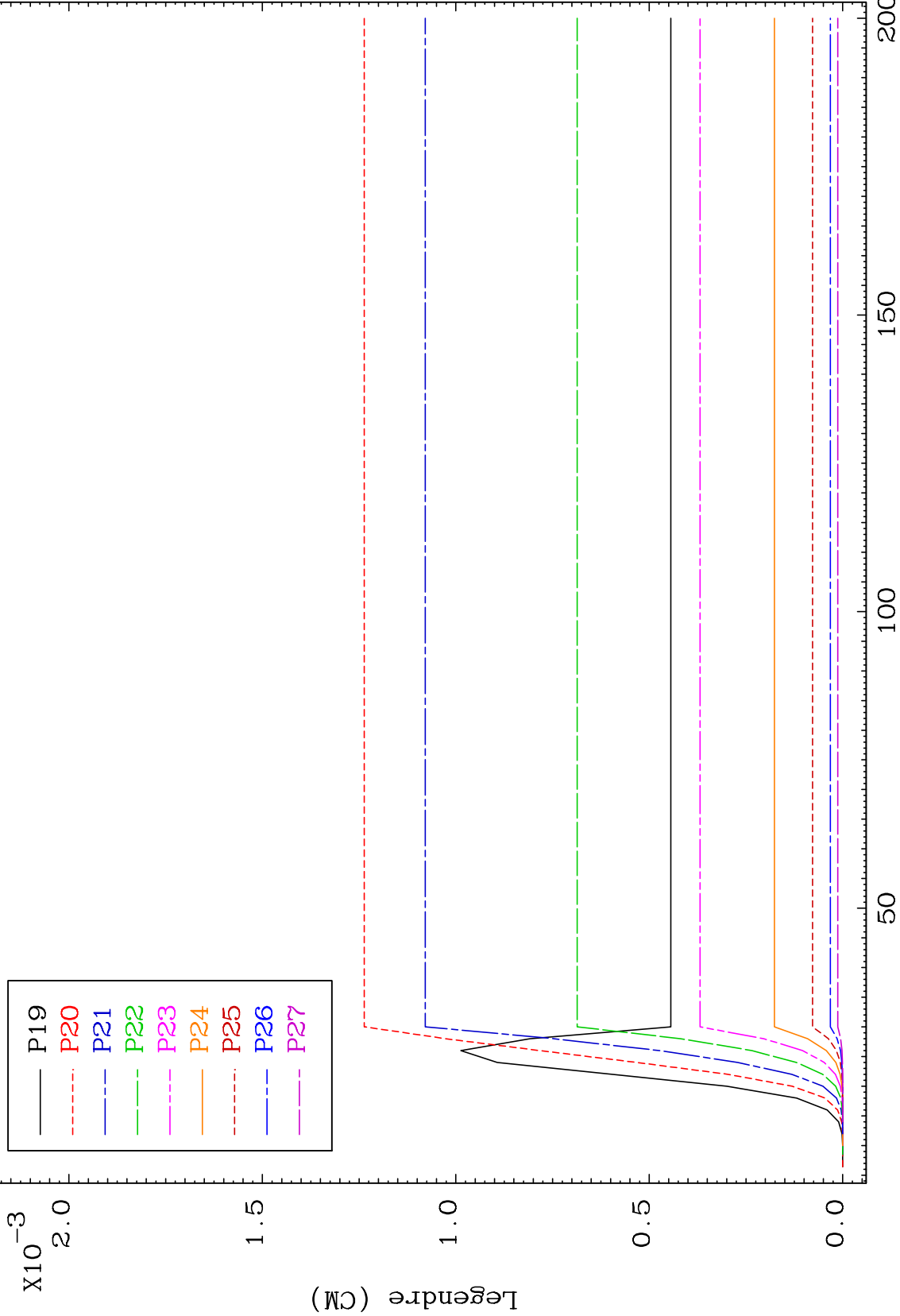
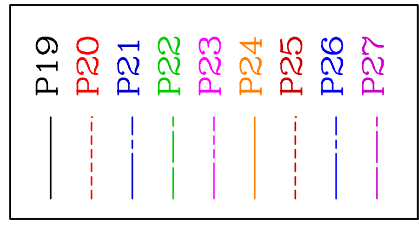
58-Ce-149



58-Ce-149

Incident Energy (MeV)

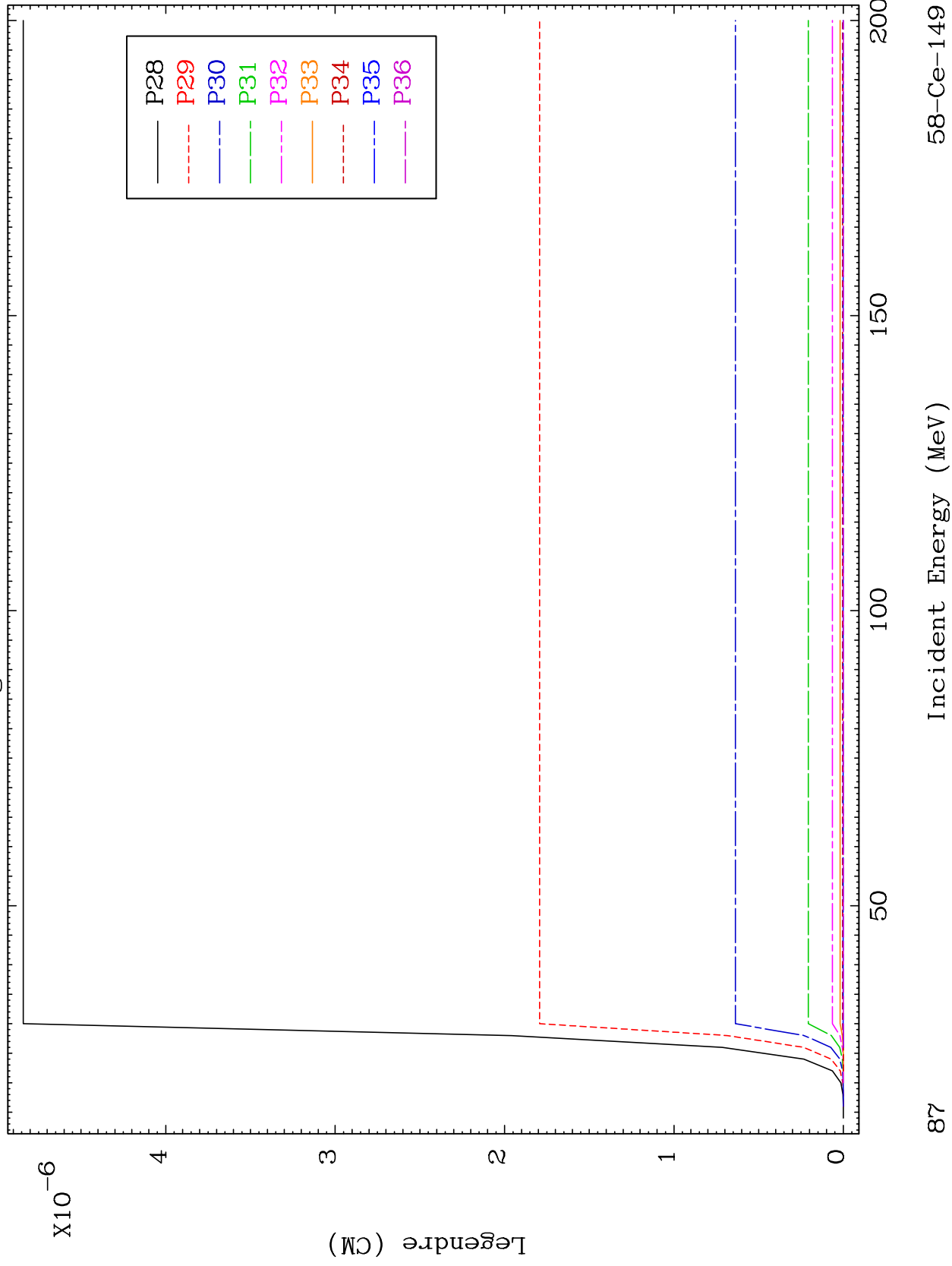
85



MAT 5864

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

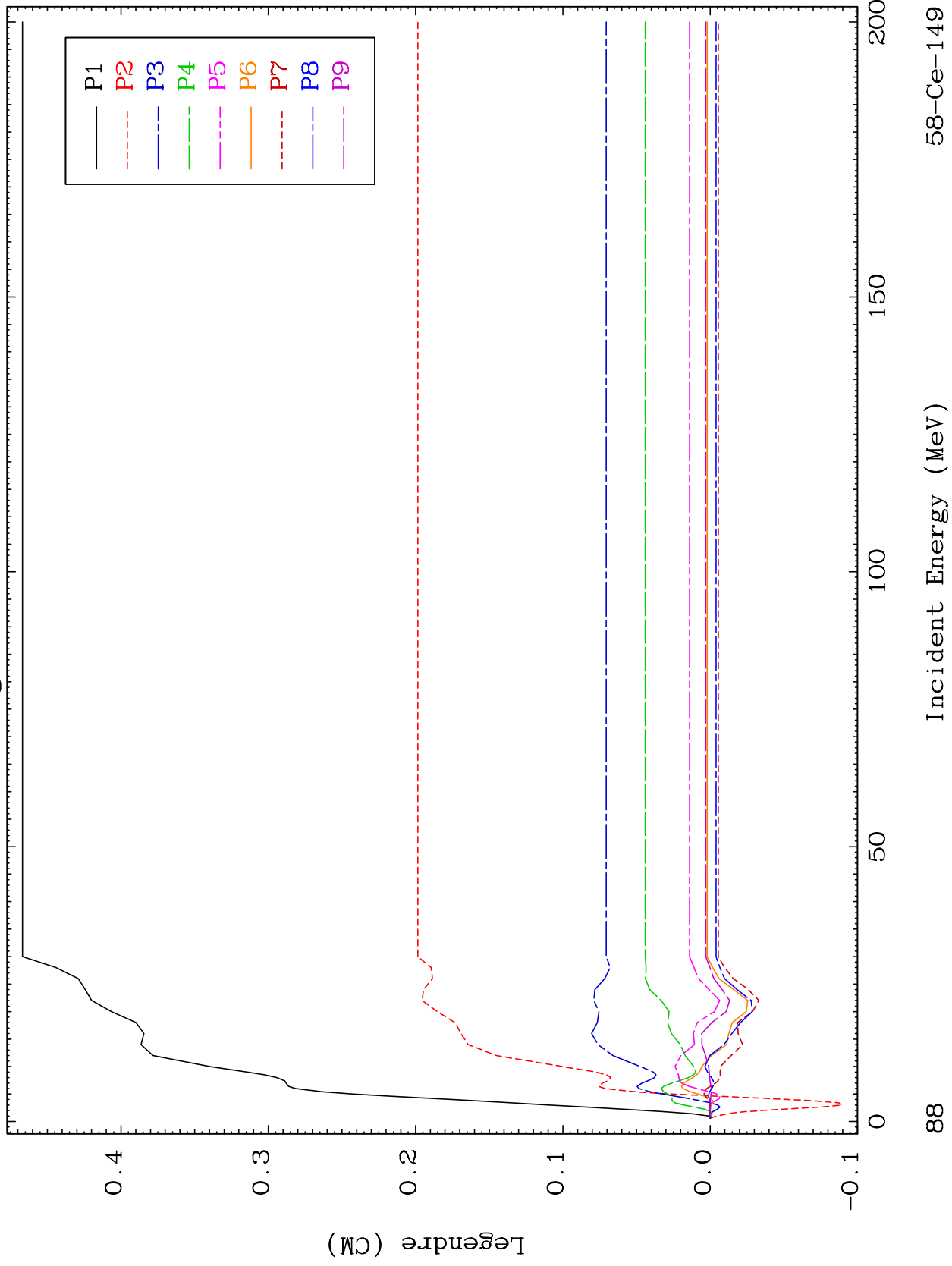
58-Ce-149



MAT 5864

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

58-Ce-149



58-Ce-149

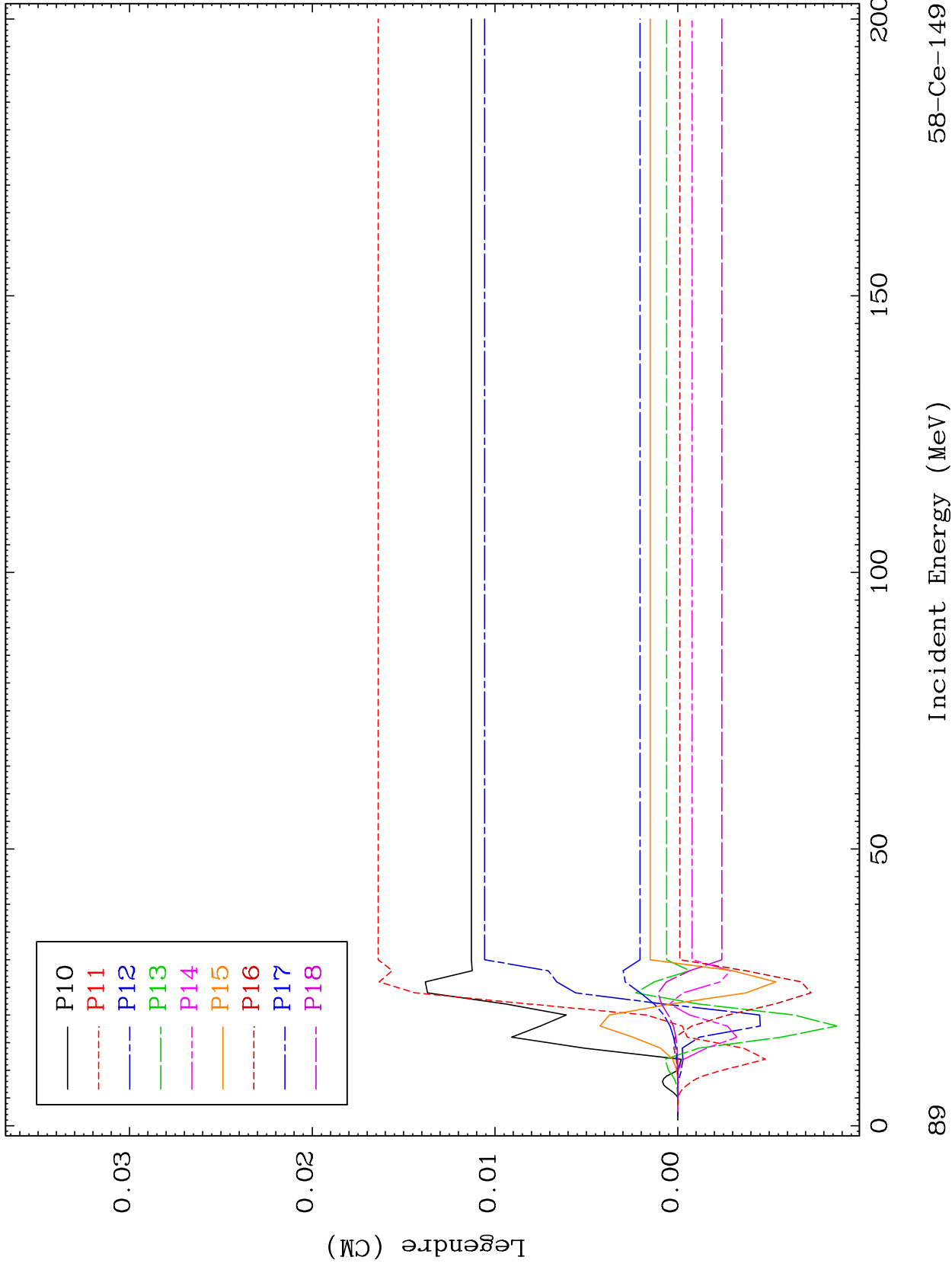
Incident Energy (MeV)

88

MAT 5864

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

58-Ce-149



89

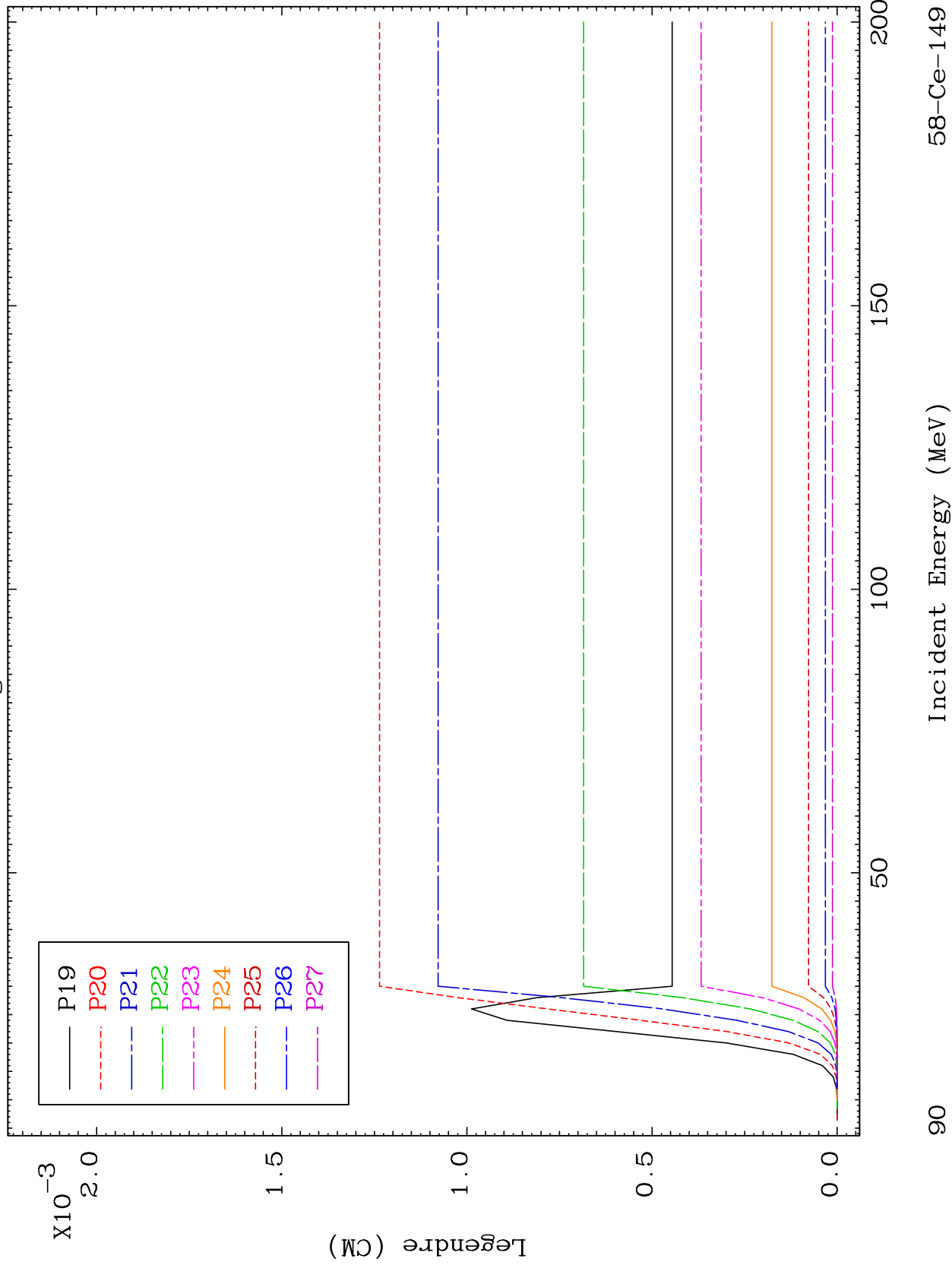
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

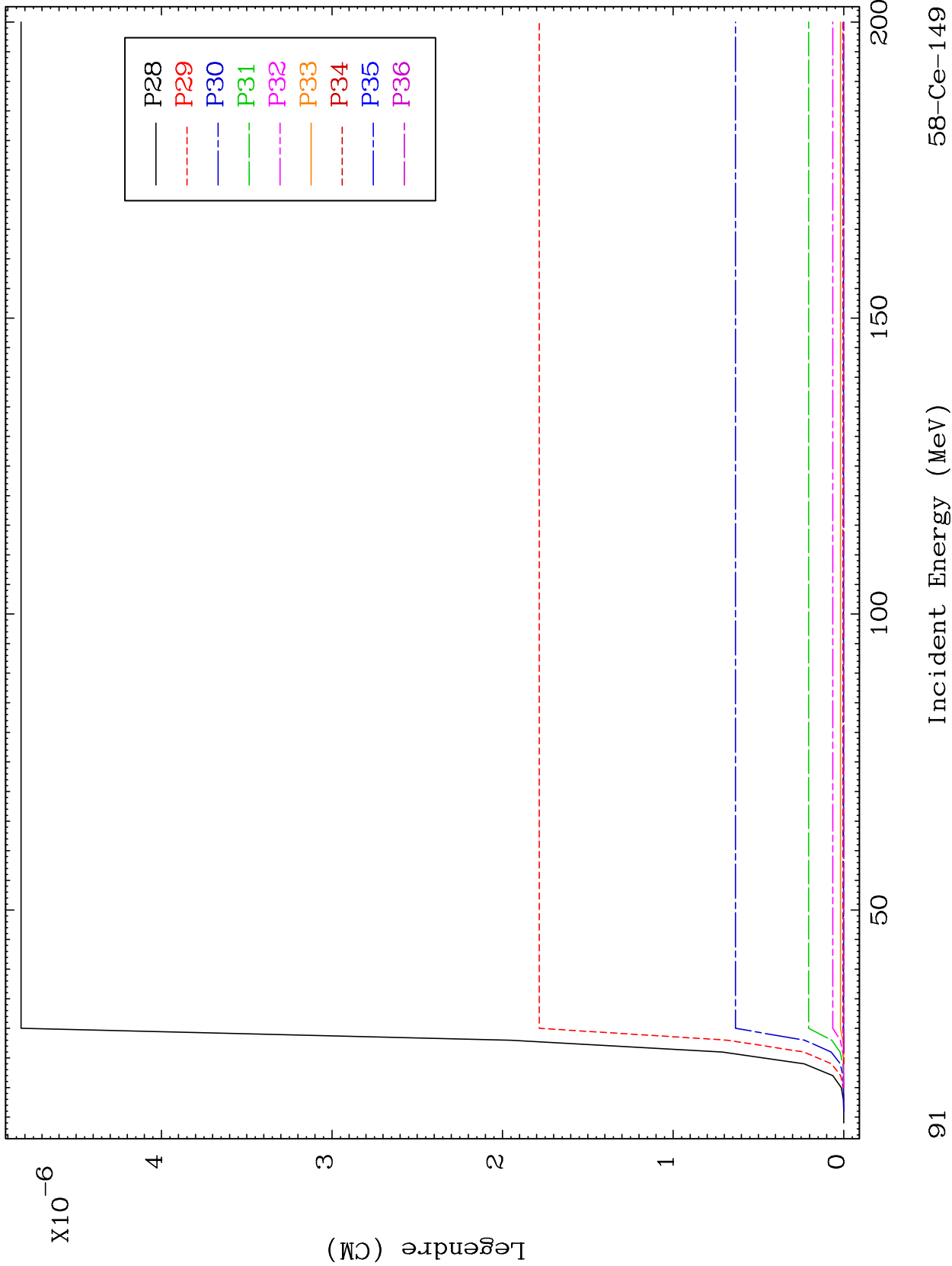
58-Ce-149



MAT 5864

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

58-Ce-149

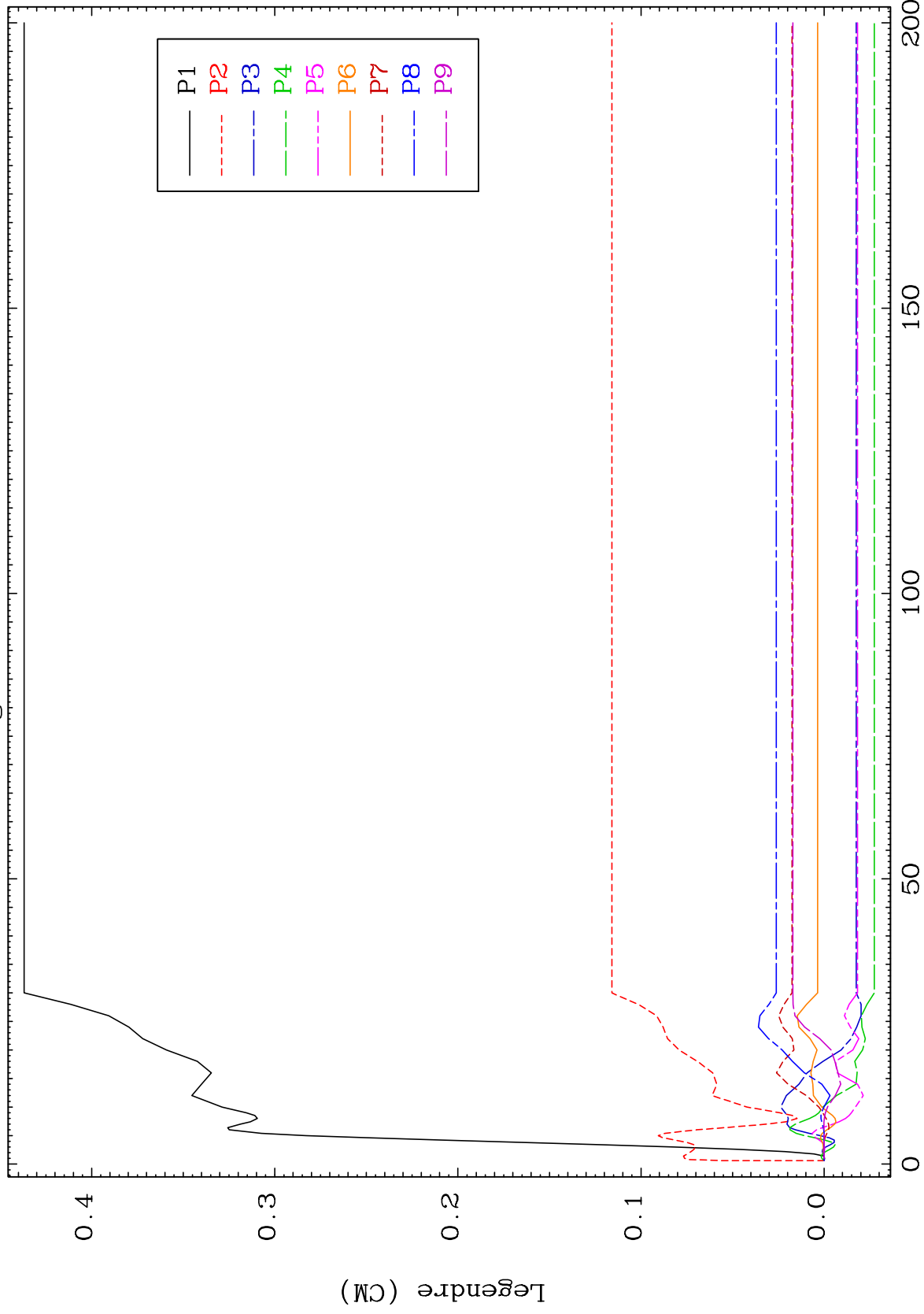


91

MAT 5864

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

58-Ce-149



92

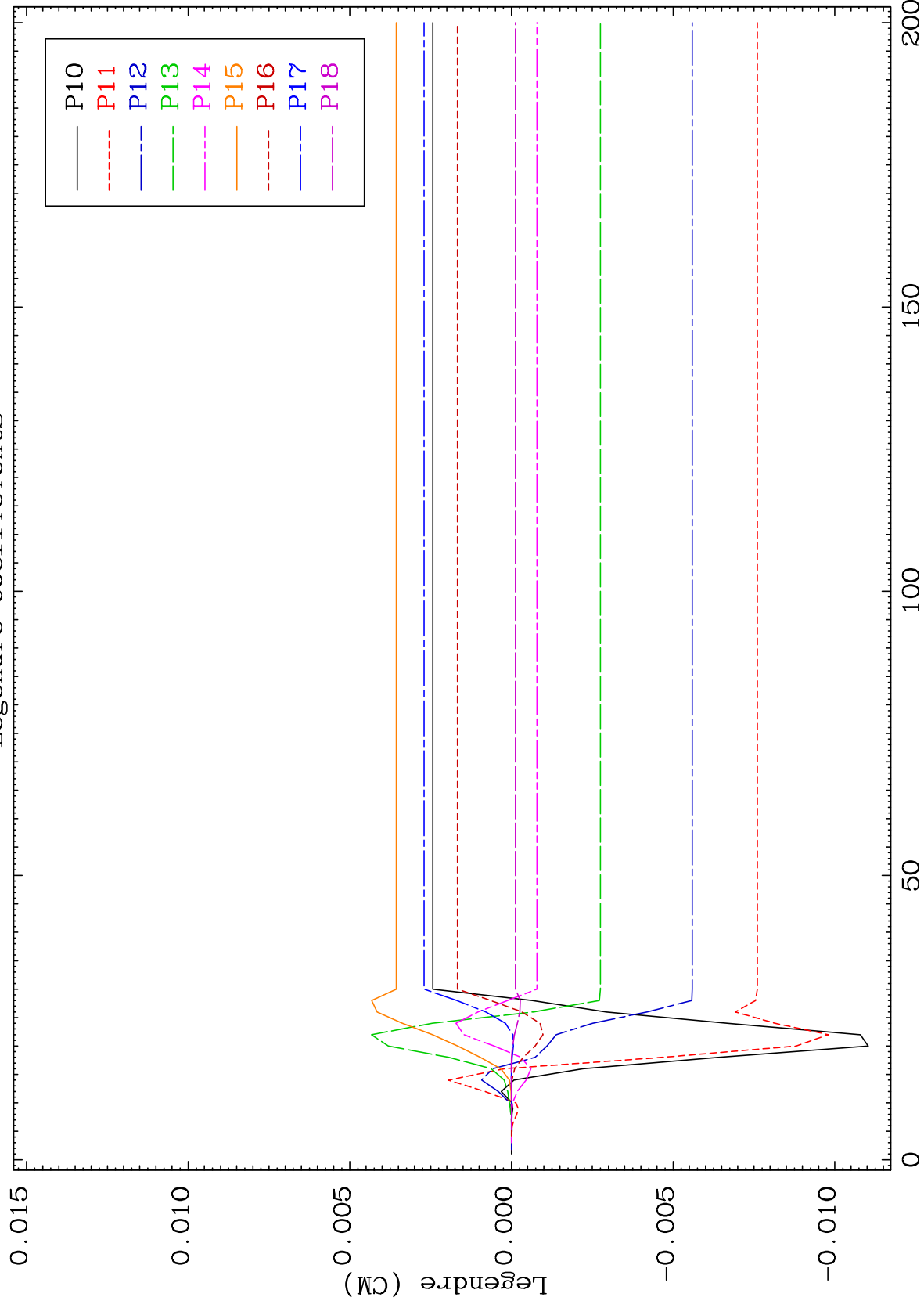
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



93

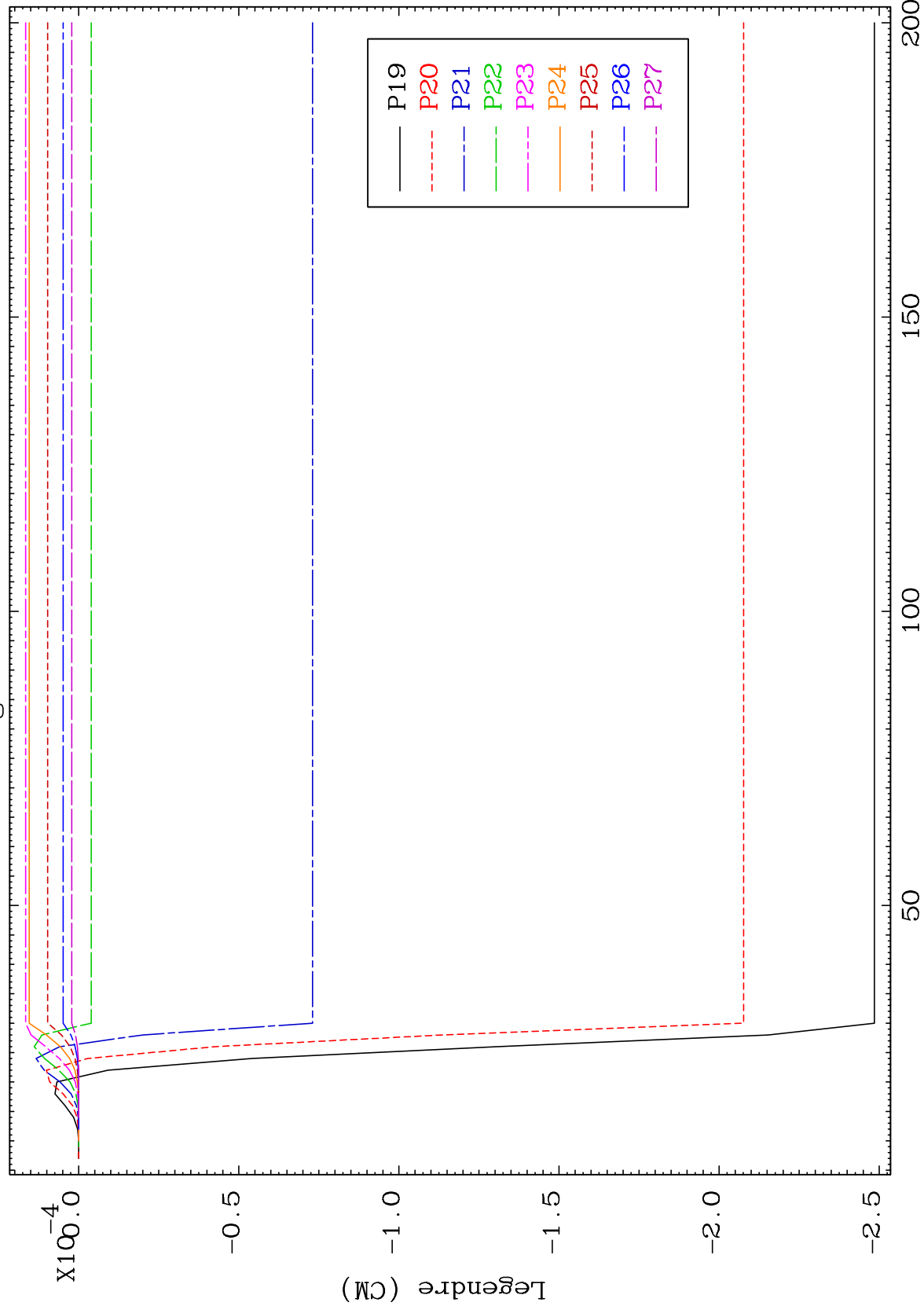
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

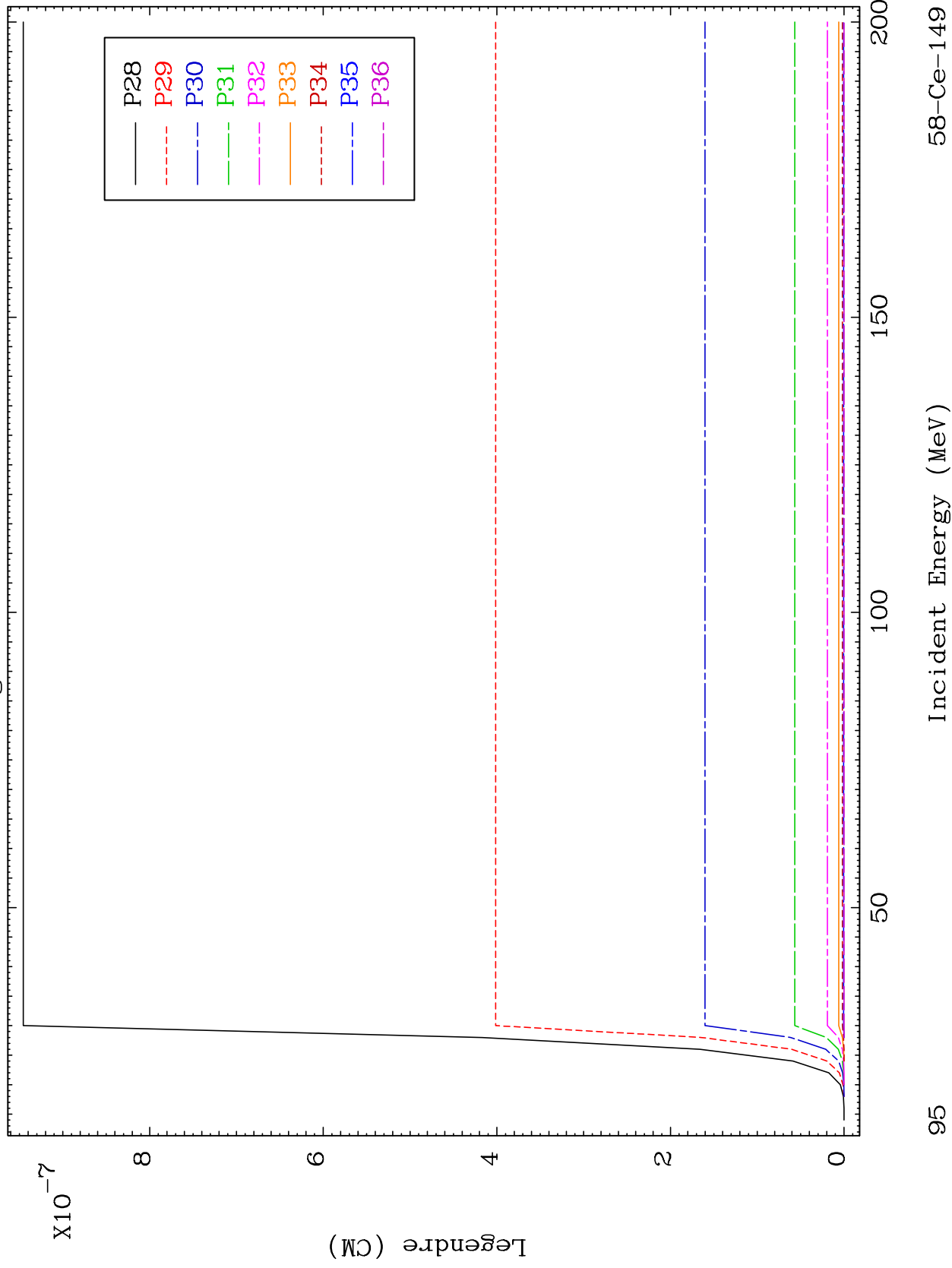
58-Ce-149



MAT 5864

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

58-Ce-149



95

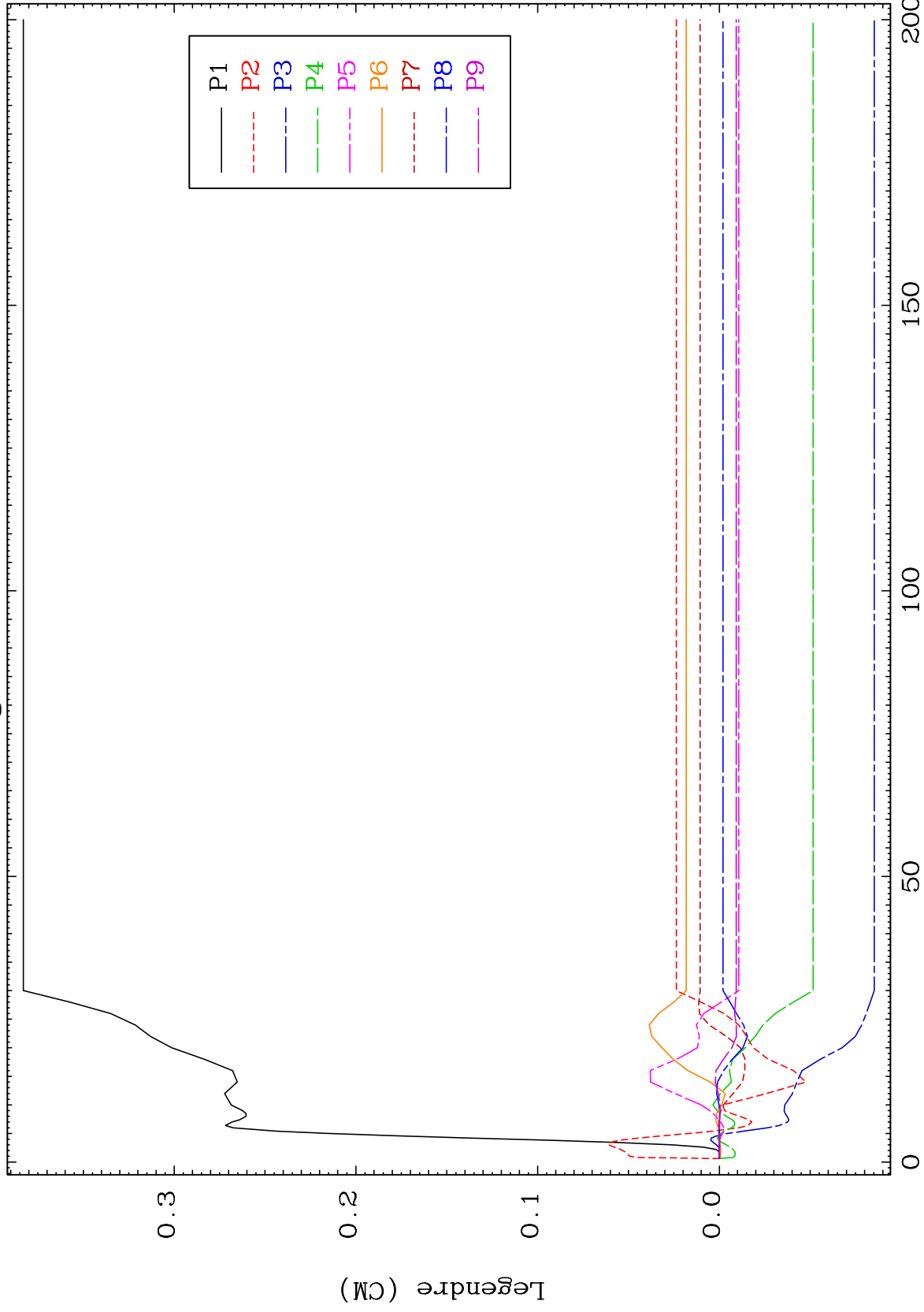
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



96

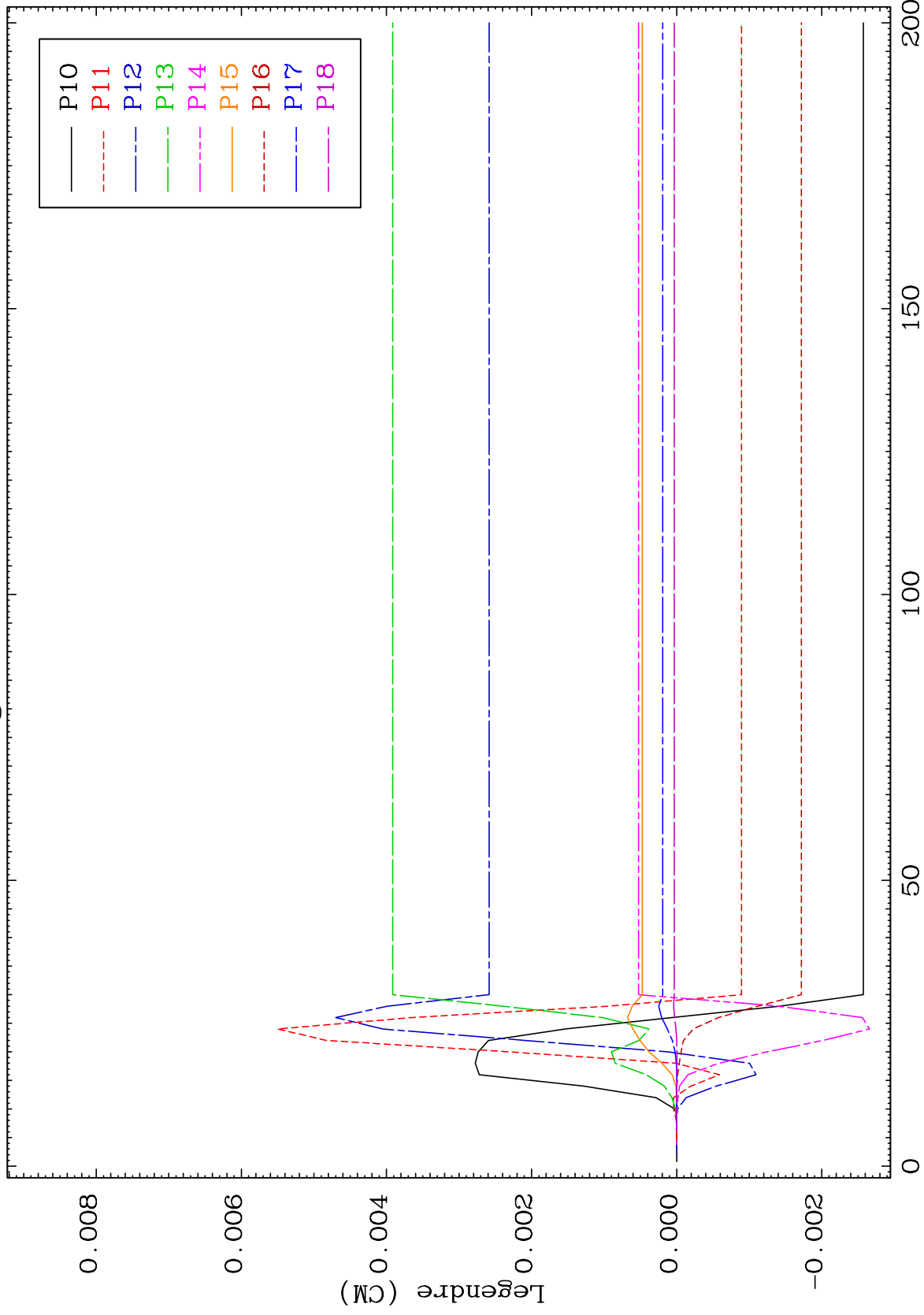
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



97

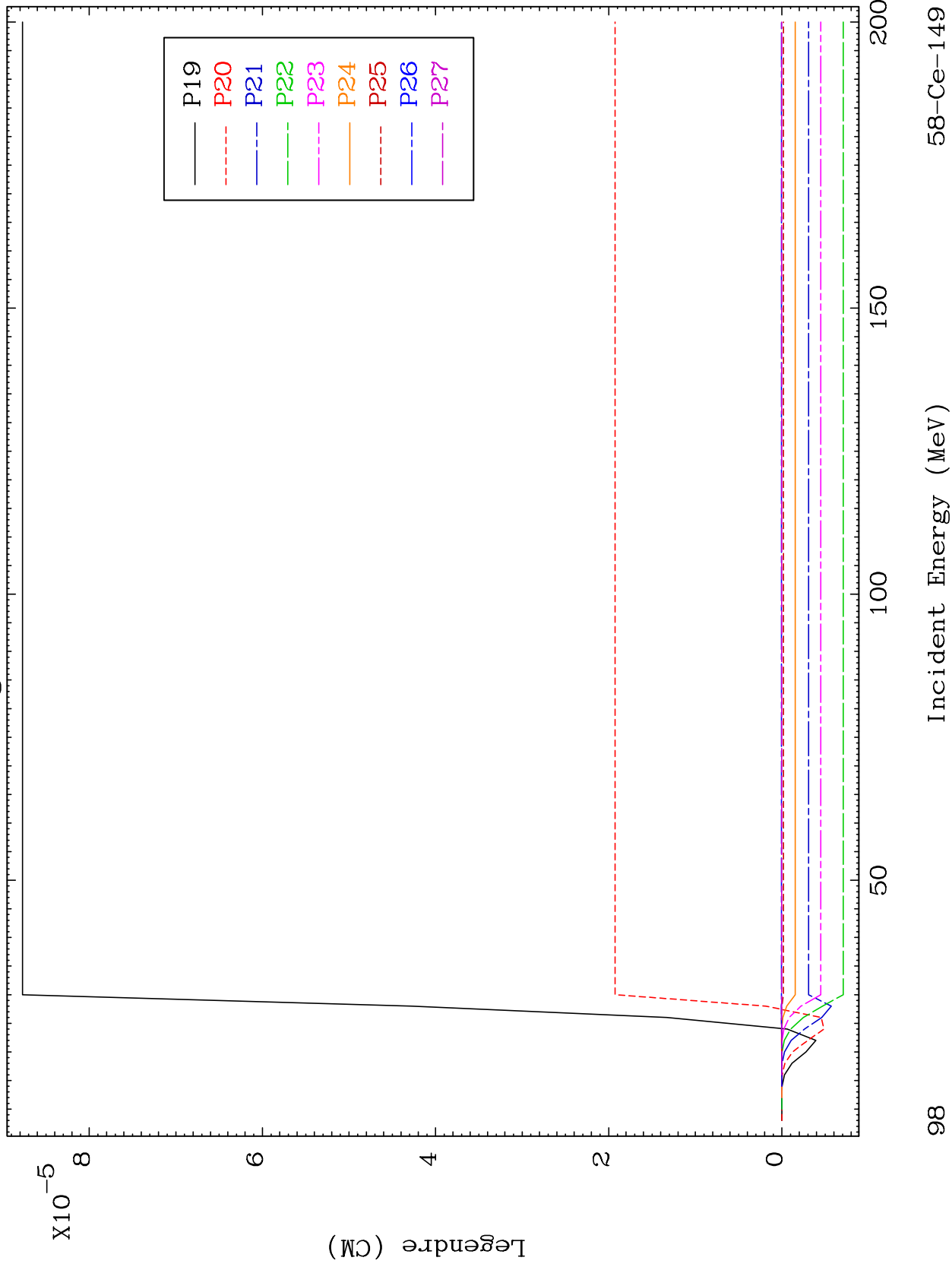
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

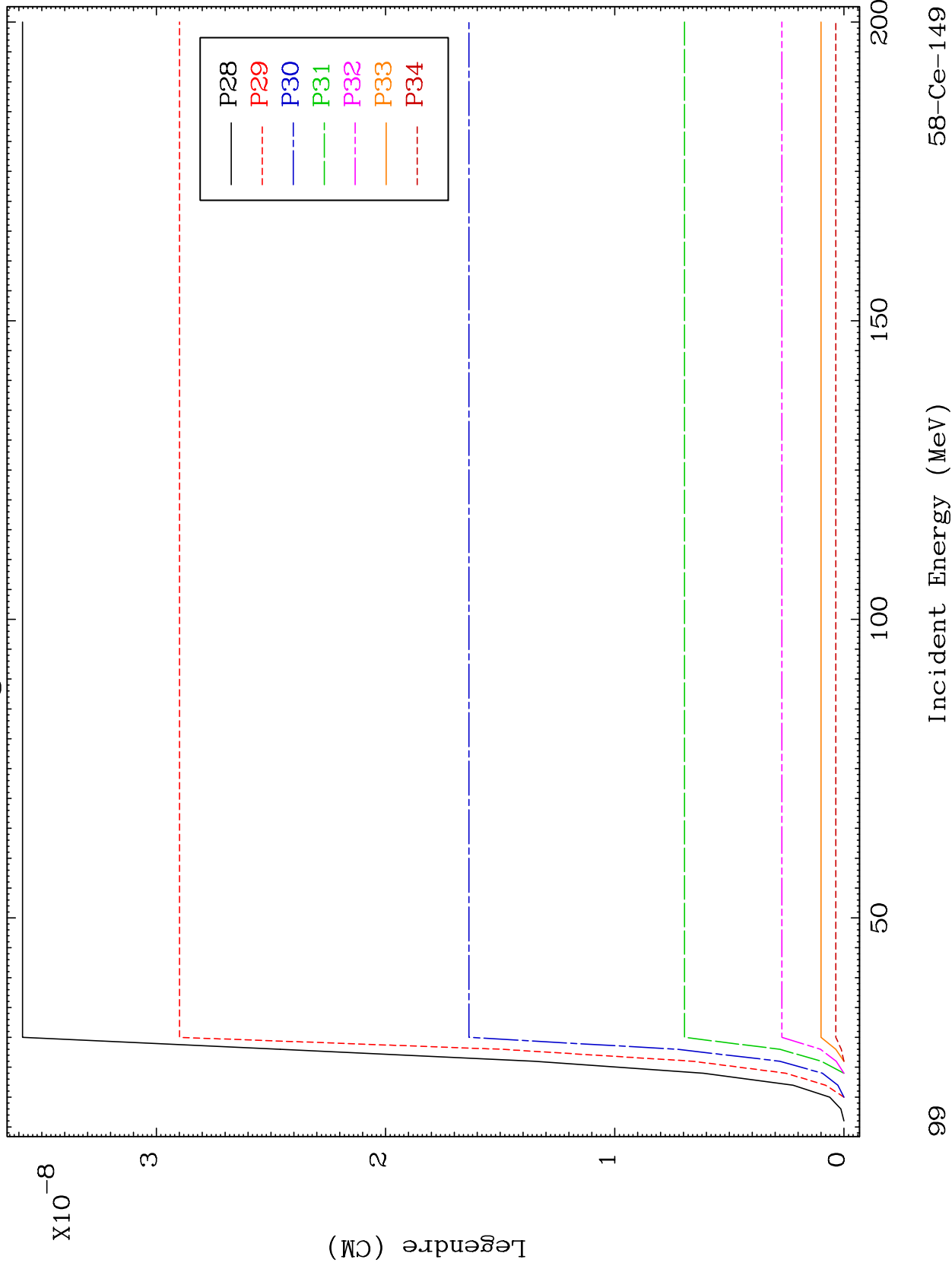
58-Ce-149



MAT 5864

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

58-Ce-149



99

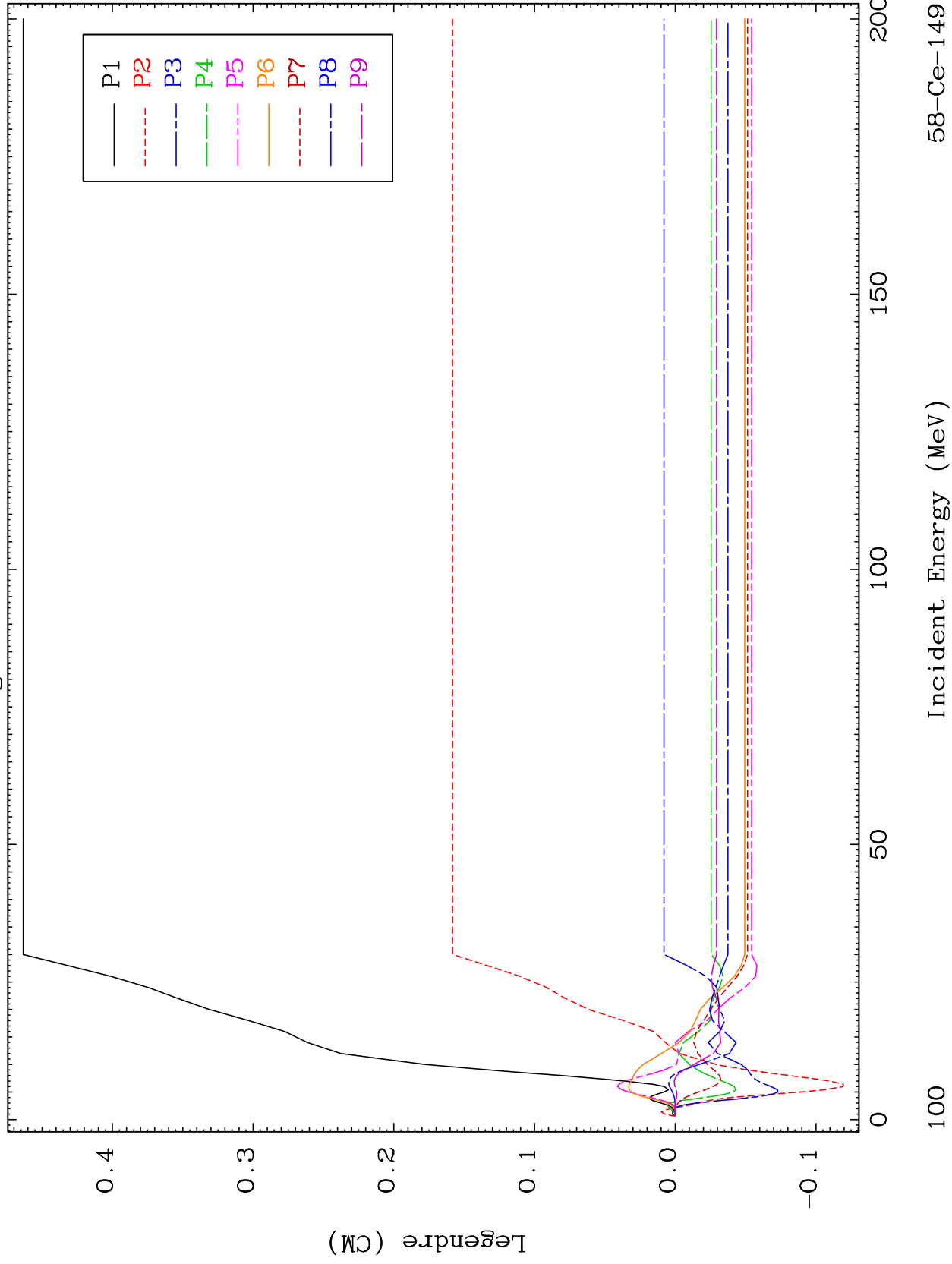
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149

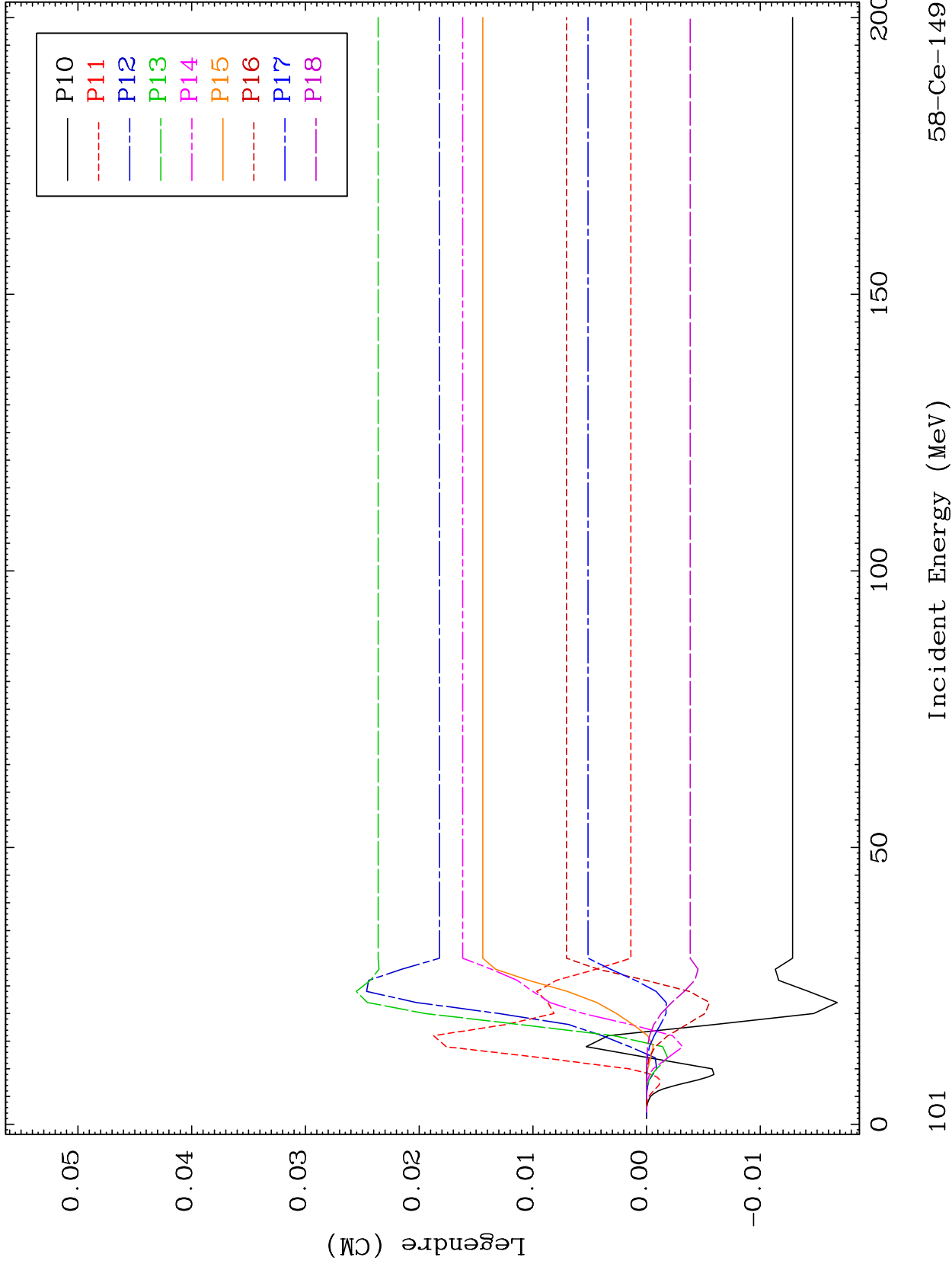


58-Ce-149

MAT 5864

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

58-Ce-149



58-Ce-149

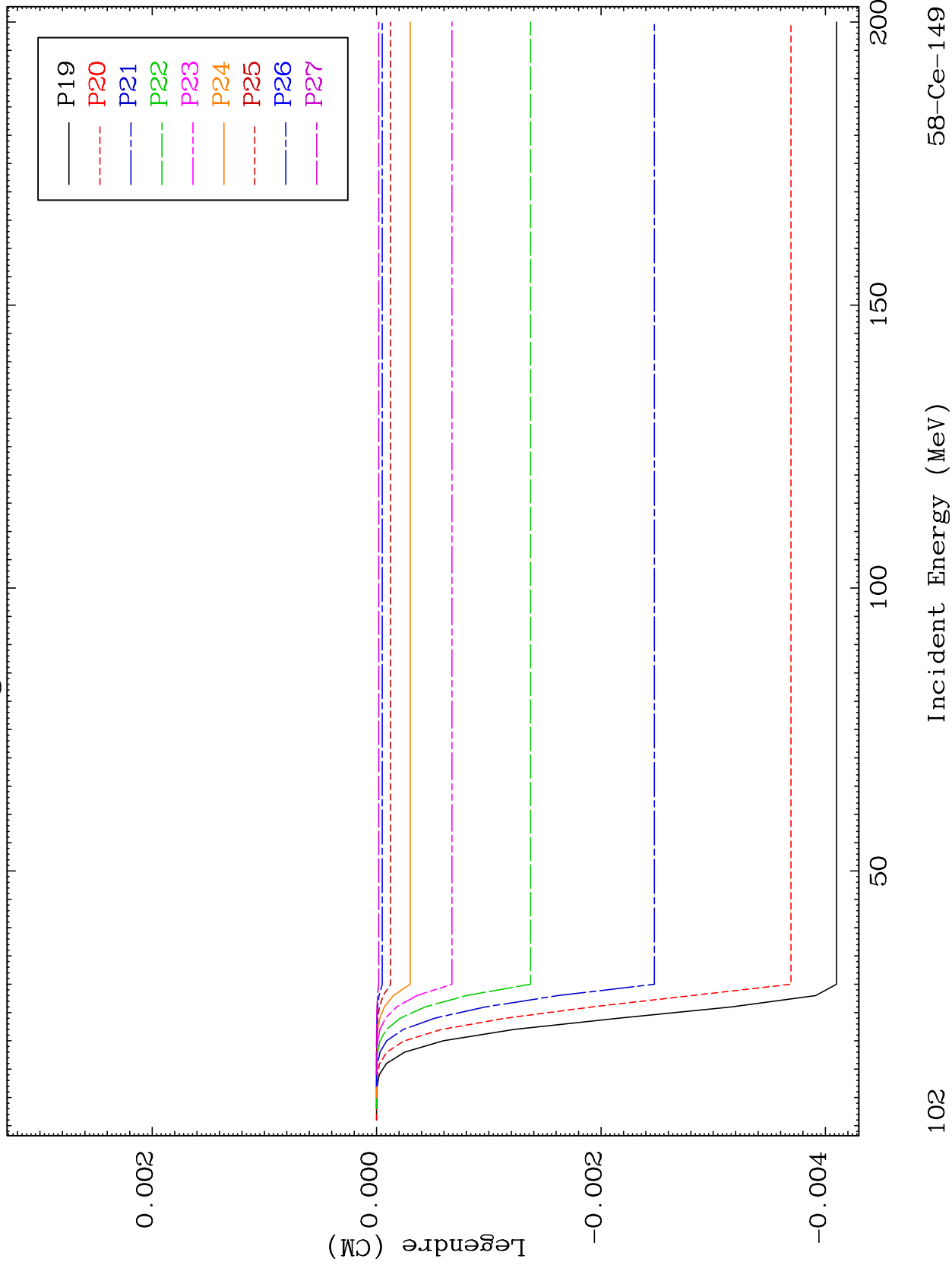
Incident Energy (MeV)

101

MAT 5864

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

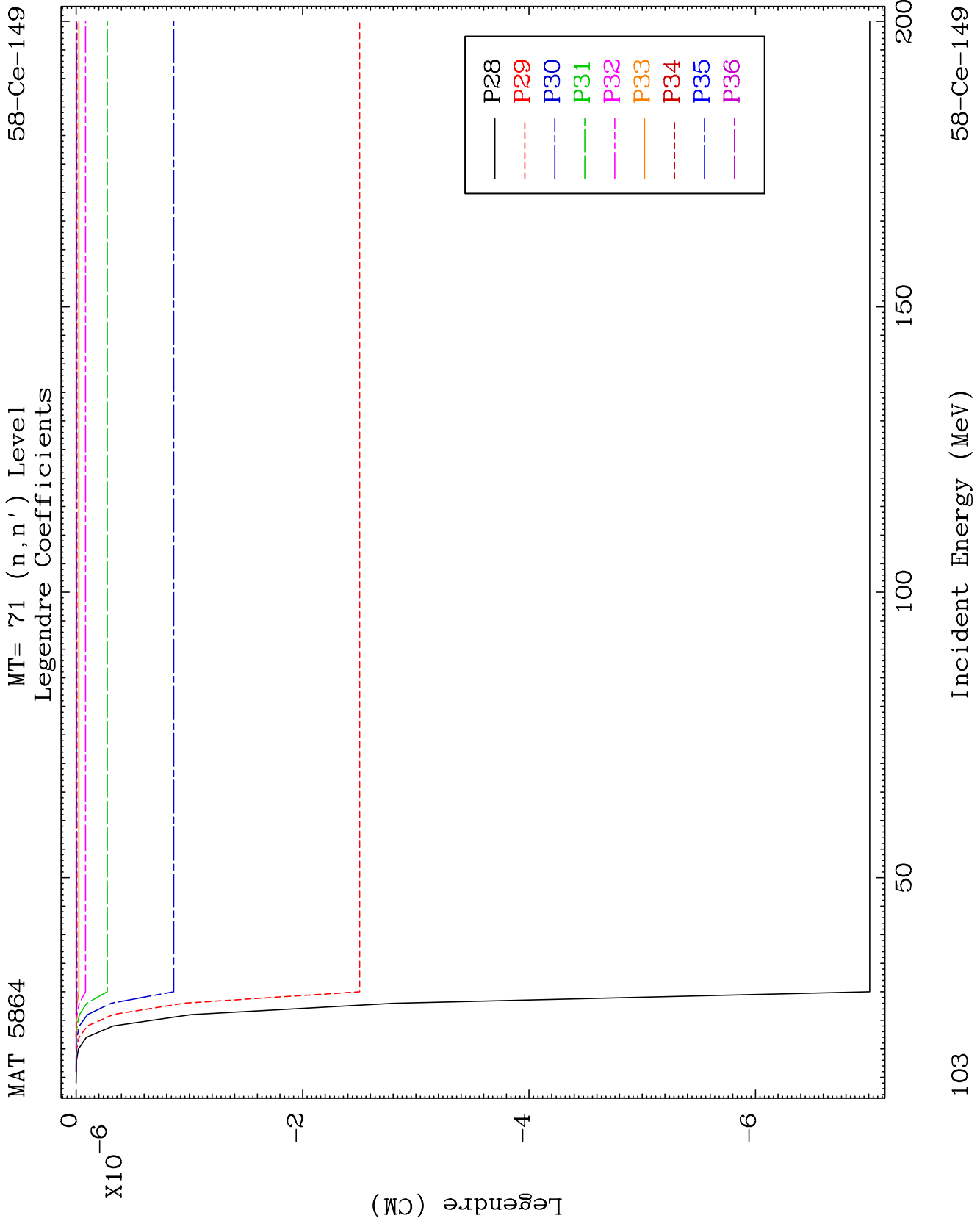
58-Ce-149



102

Incident Energy (MeV)

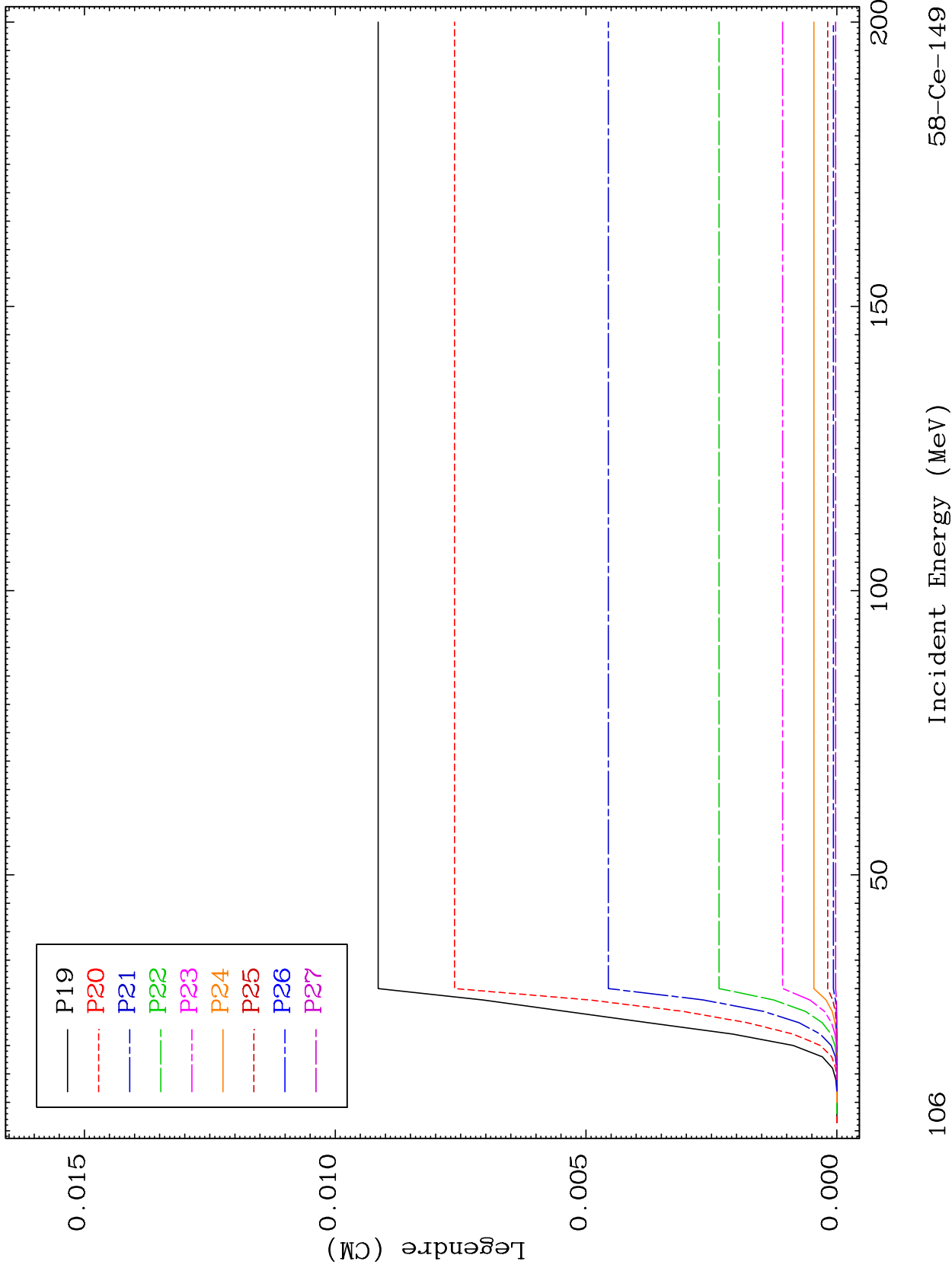
58-Ce-149



MAT 5864

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

58-Ce-149



106

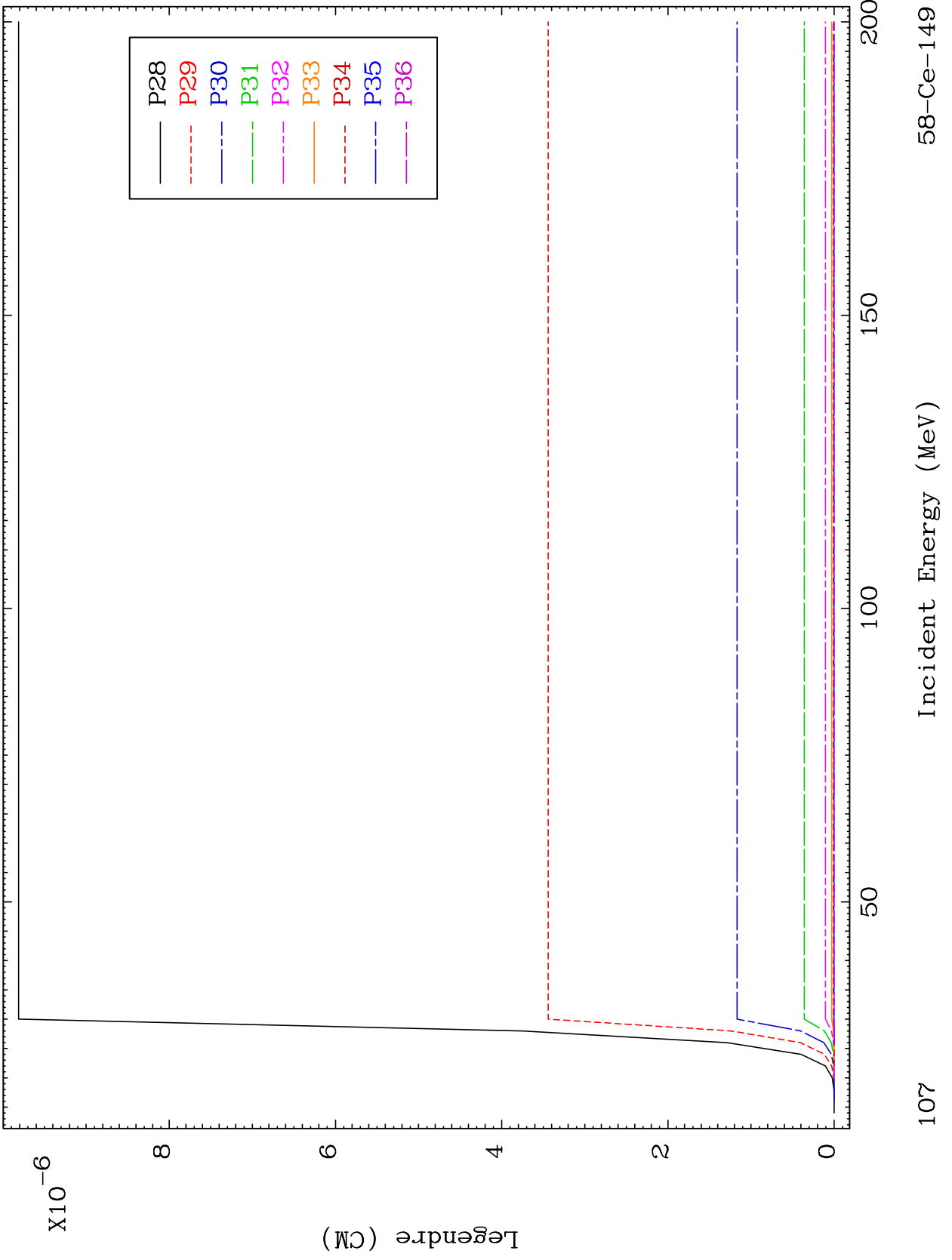
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149

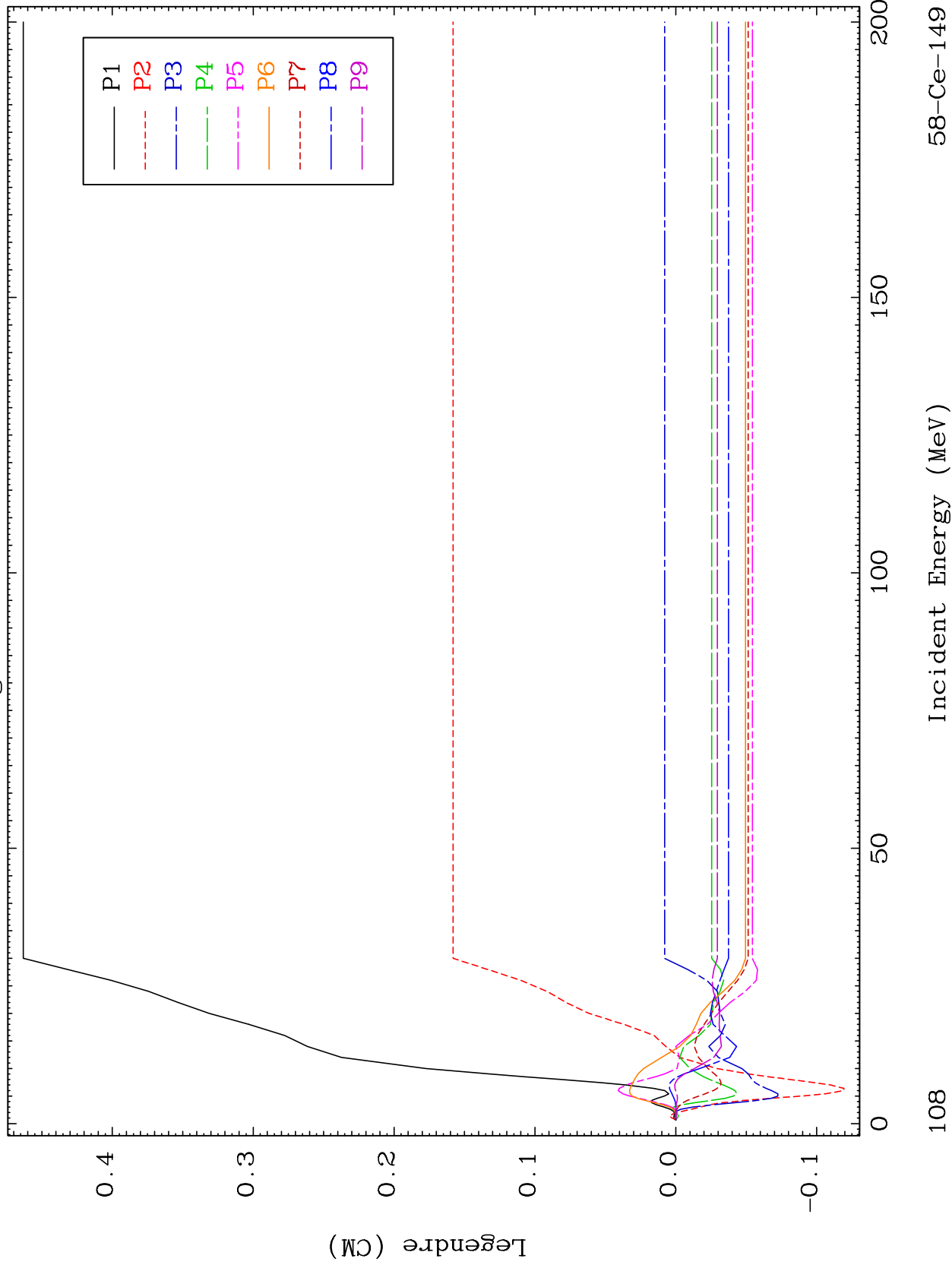


107

MAT 5864

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

58-Ce-149



58-Ce-149

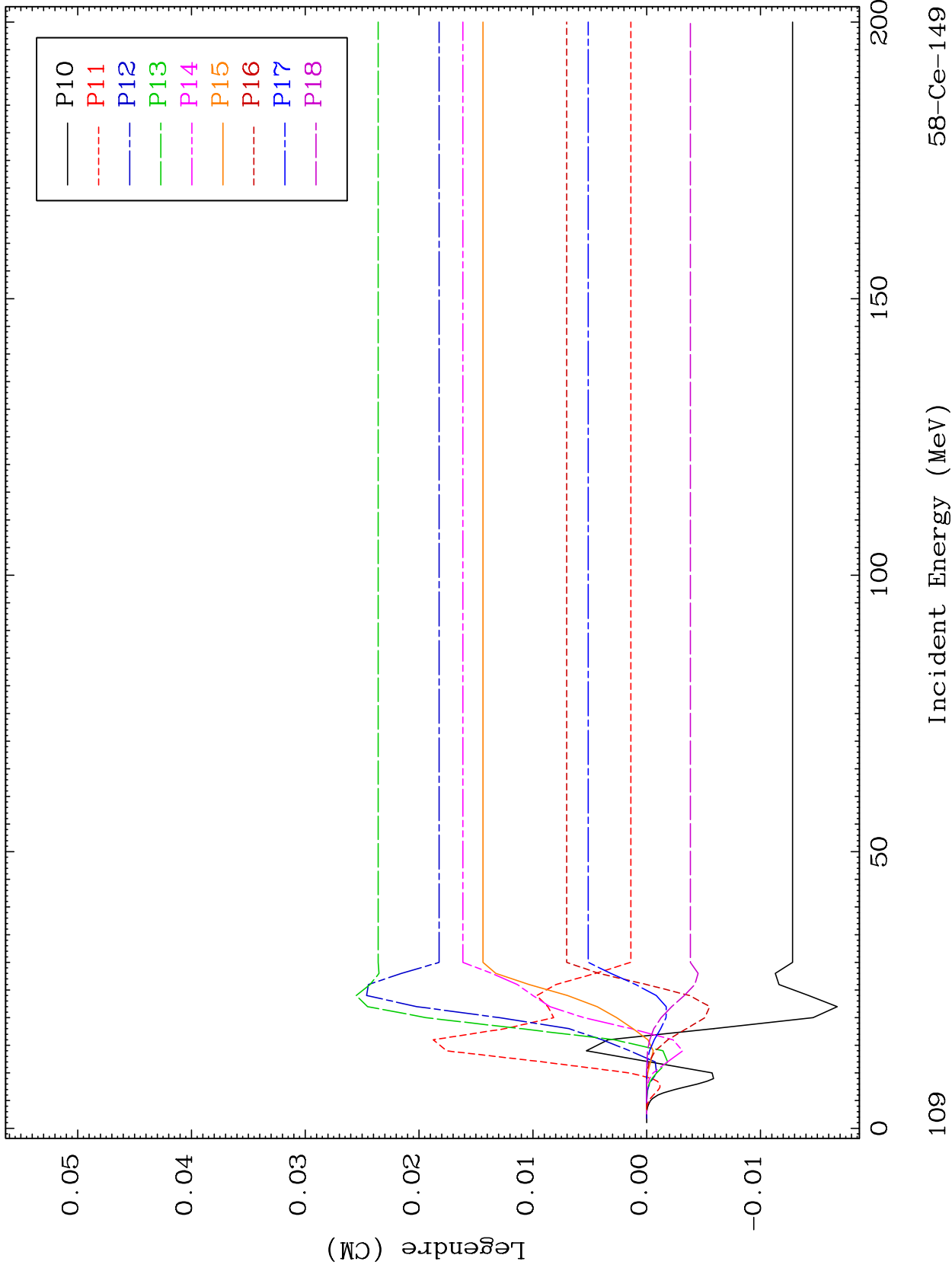
Incident Energy (MeV)

108

MAT 5864

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

58-Ce-149



58-Ce-149

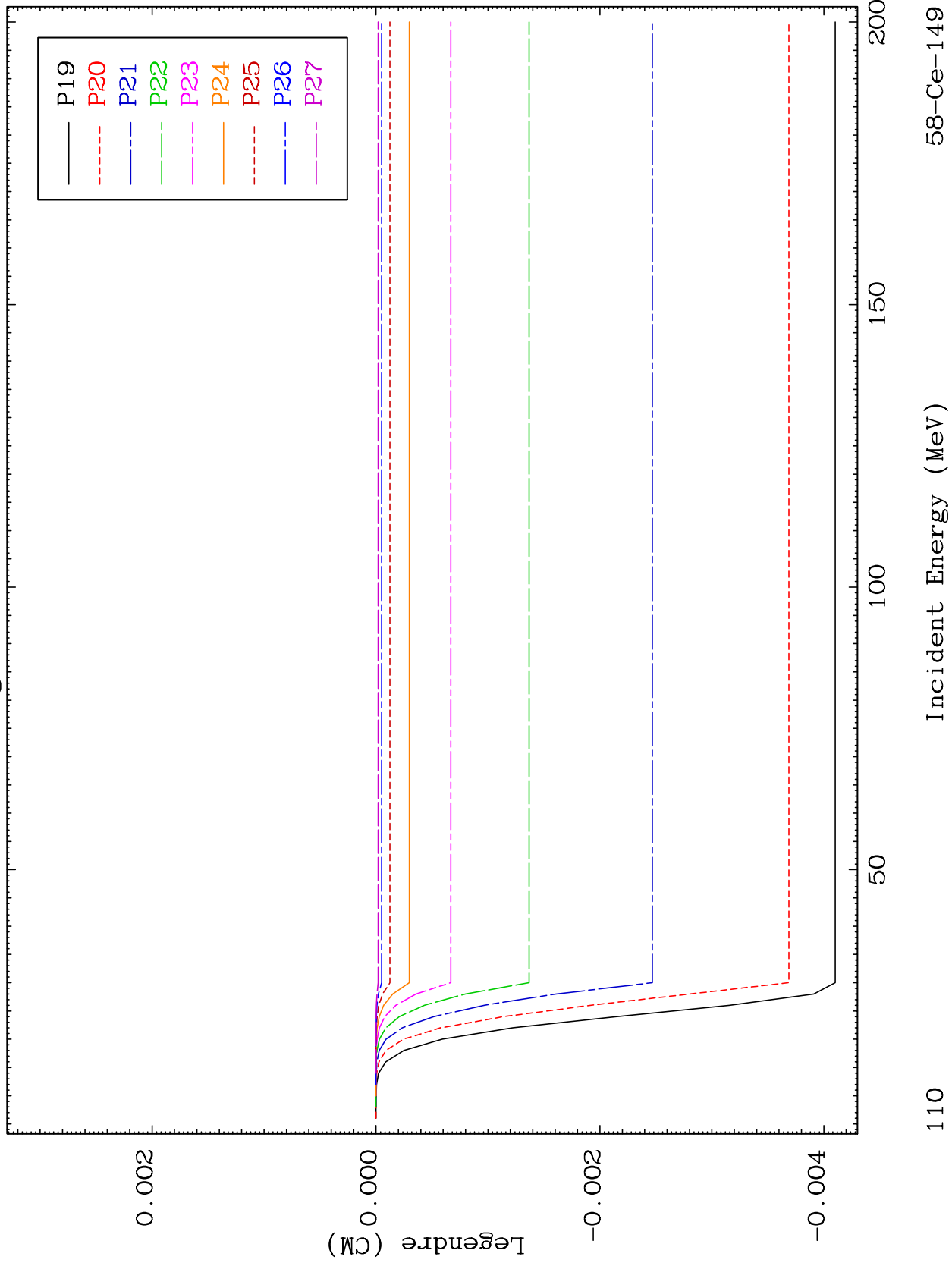
Incident Energy (MeV)

109

MAT 5864

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

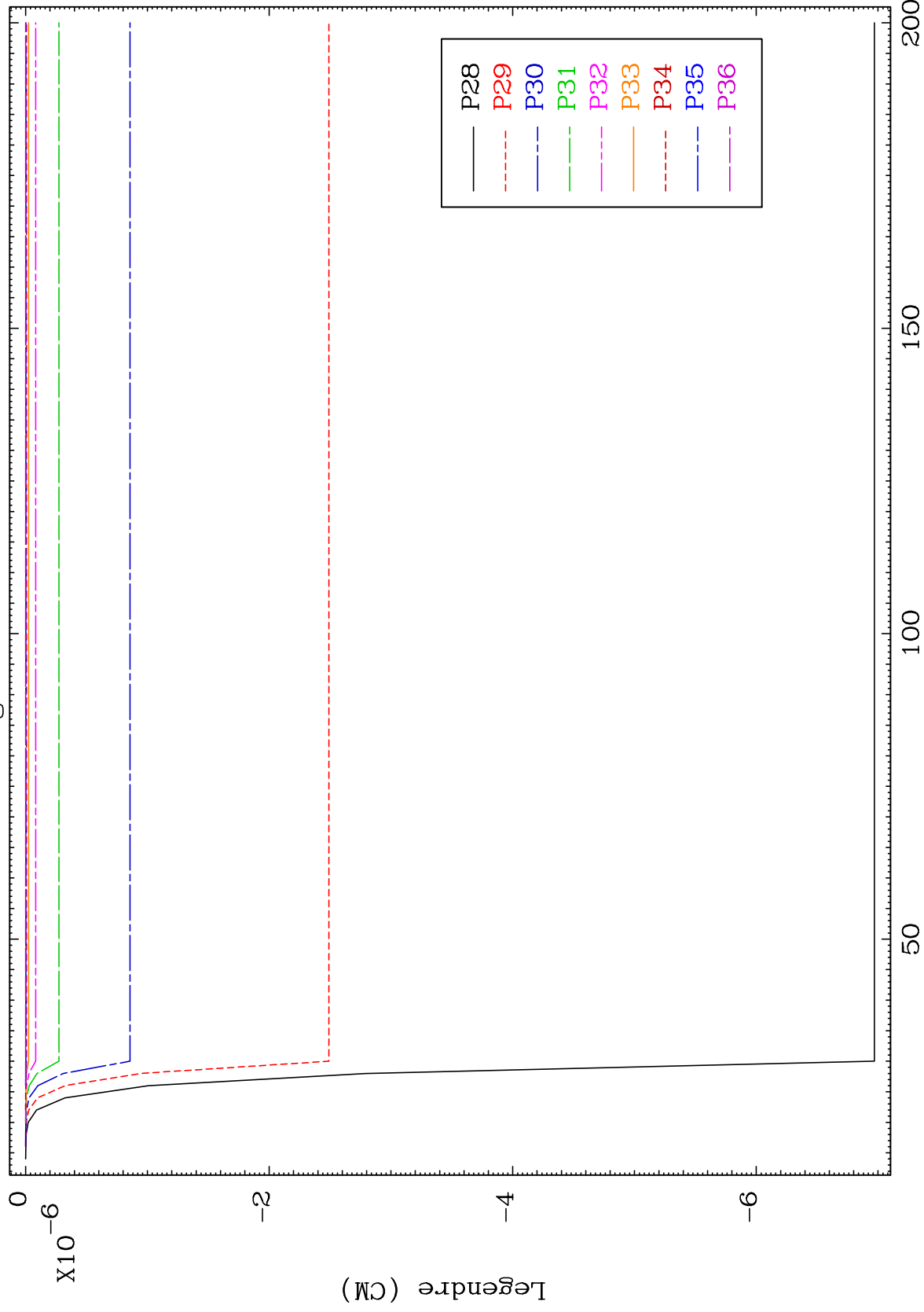
58-Ce-149



MAT 5864

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

58-Ce-149



111

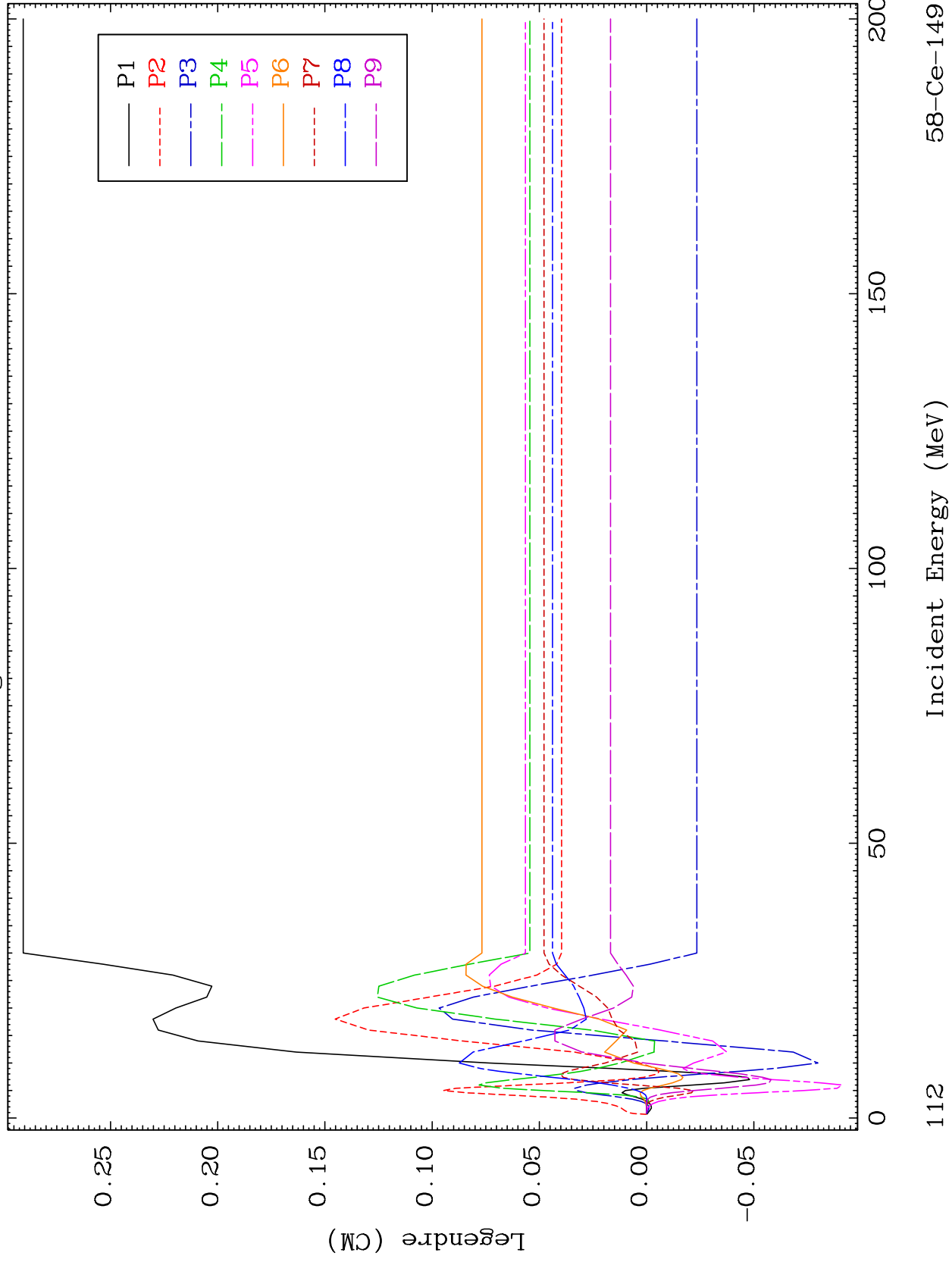
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



58-Ce-149

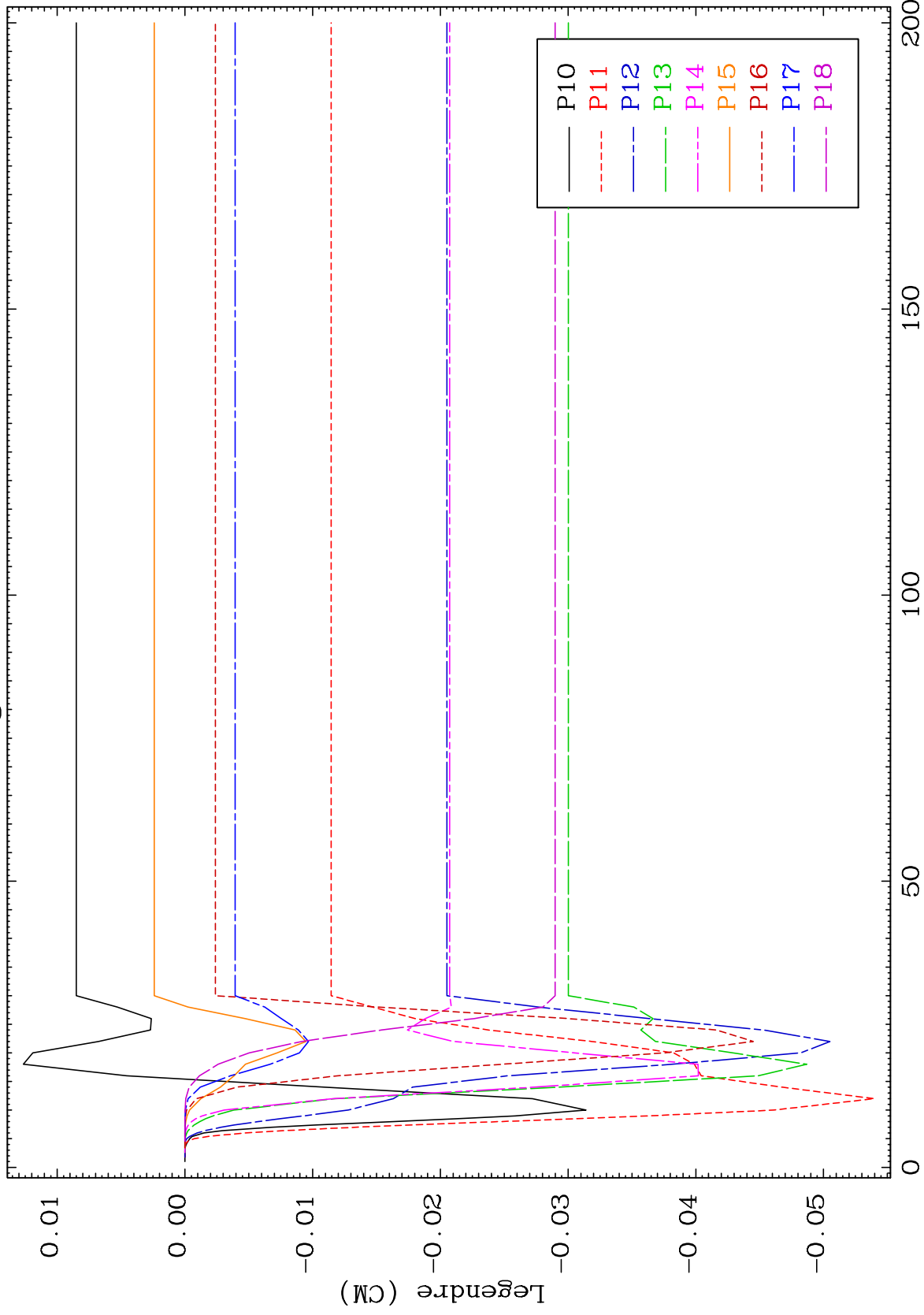
Incident Energy (MeV)

112

MAT 5864

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

58-Ce-149



113

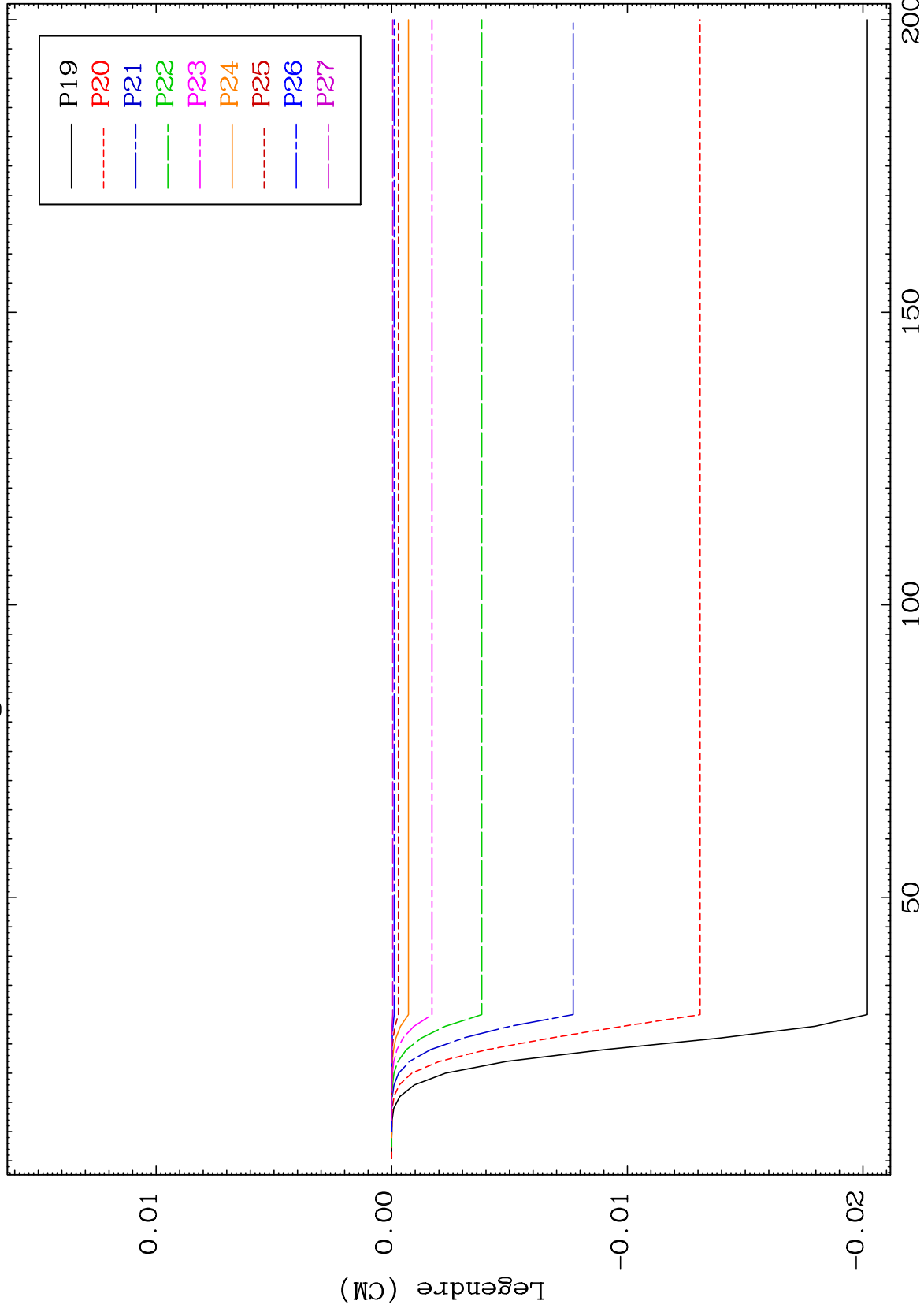
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



114

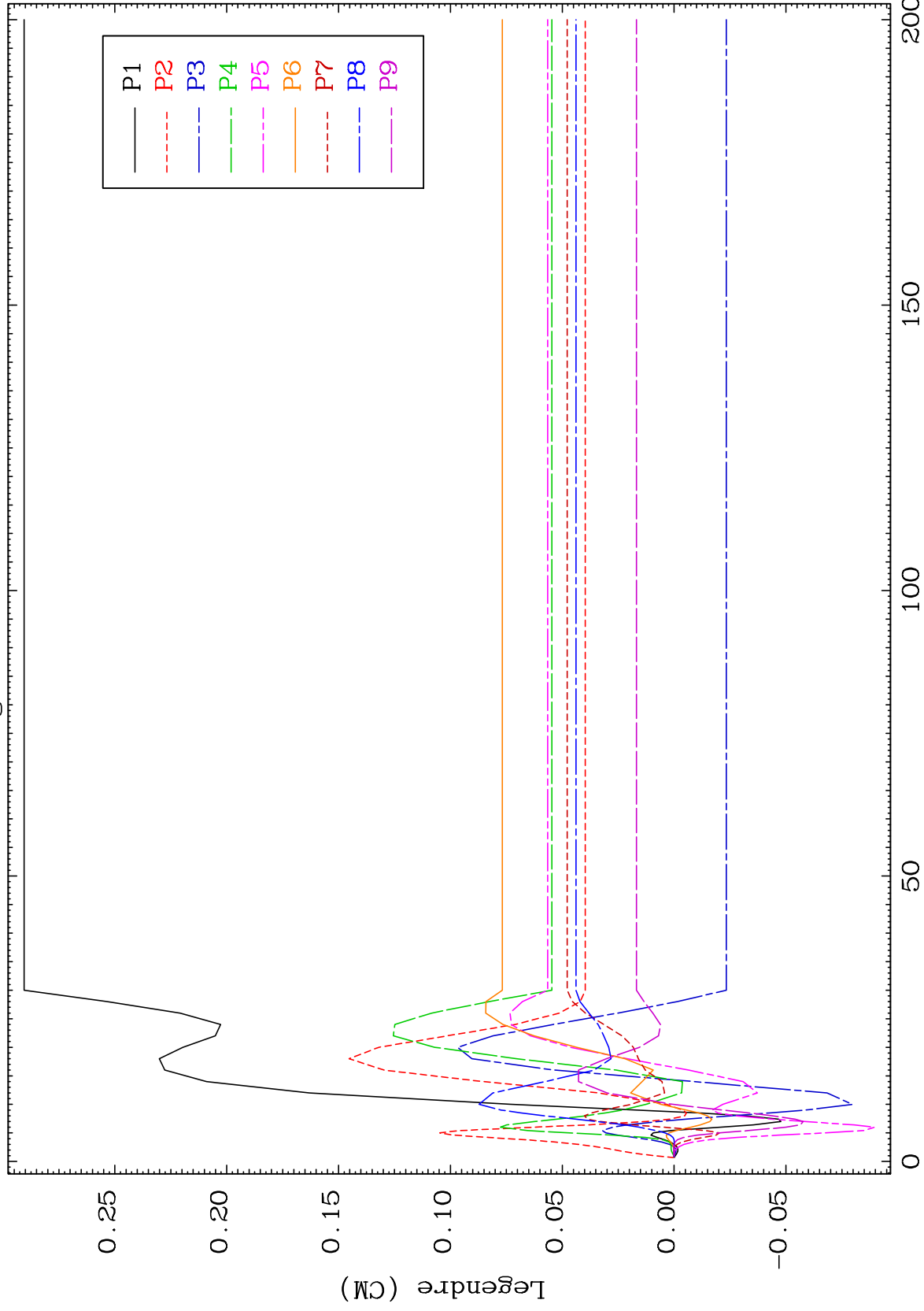
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



116

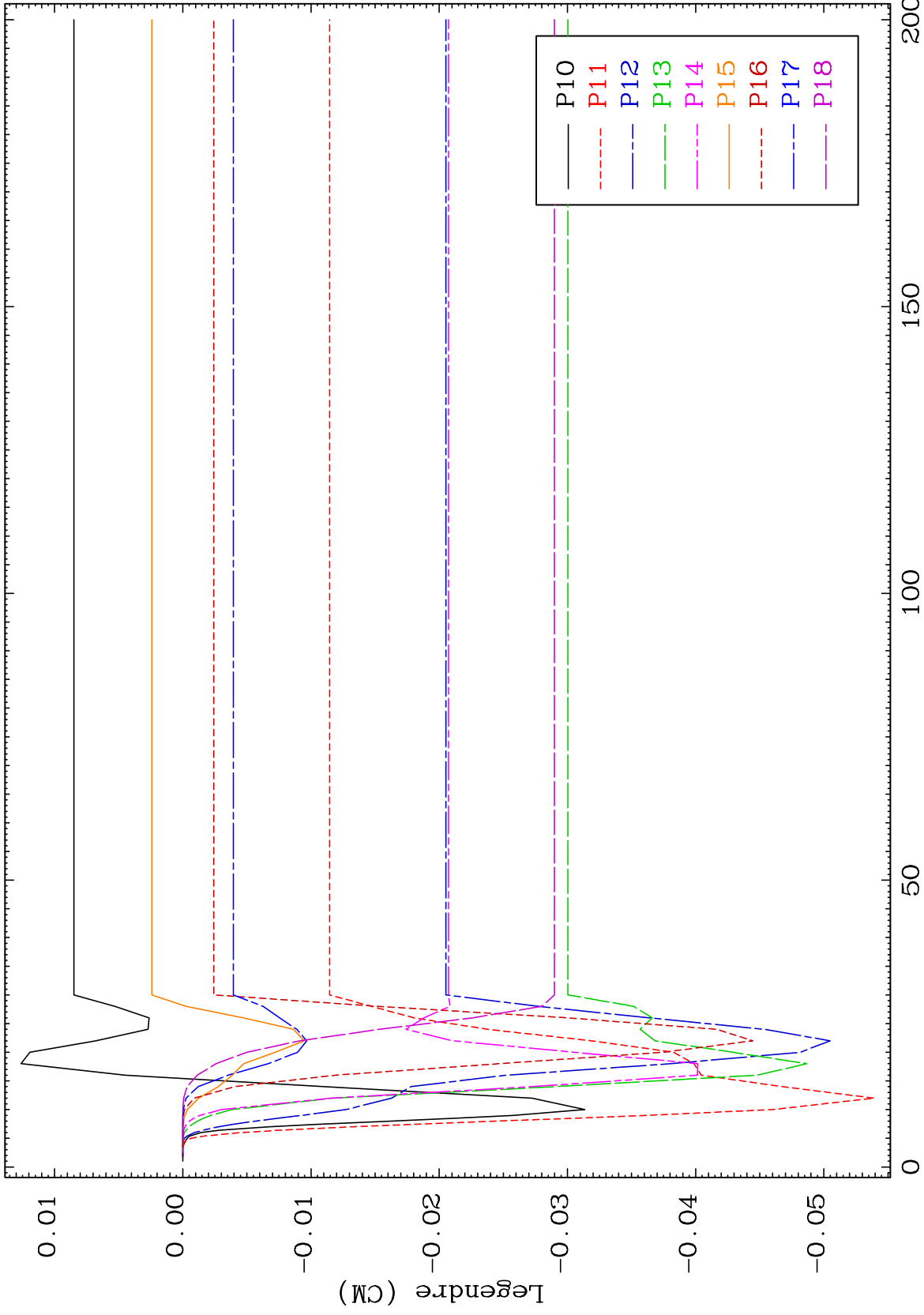
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



117

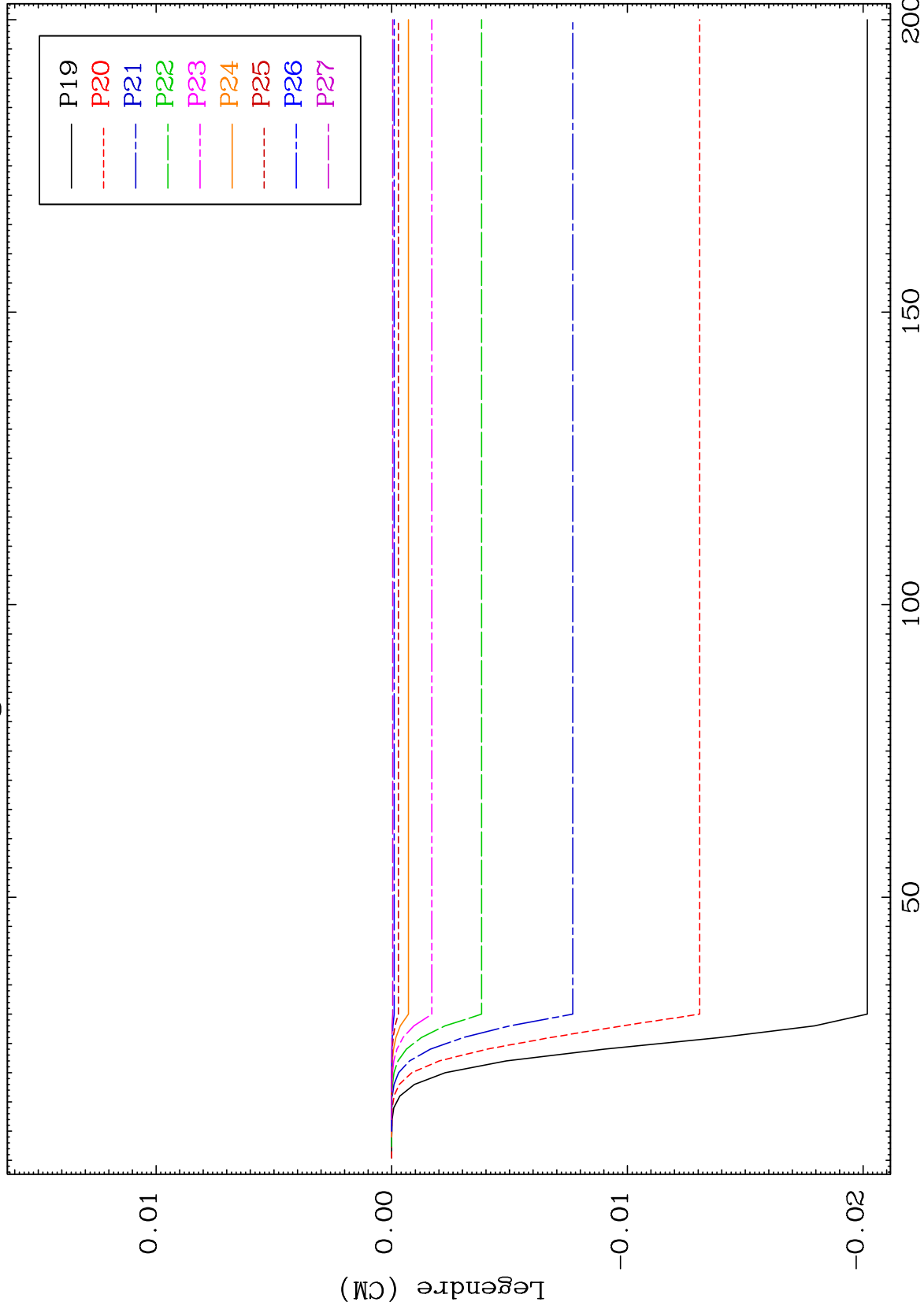
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

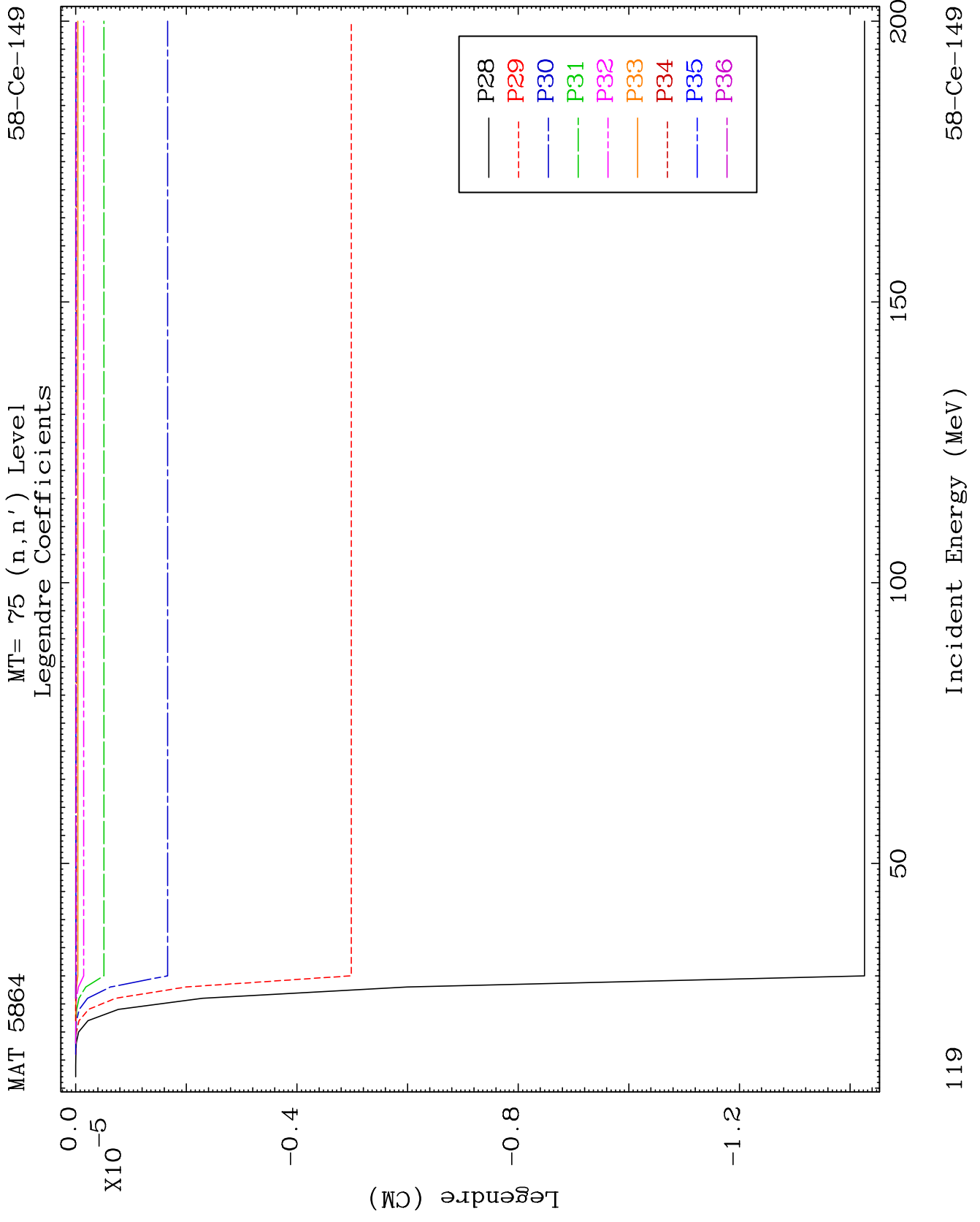
58-Ce-149



118

Incident Energy (MeV)

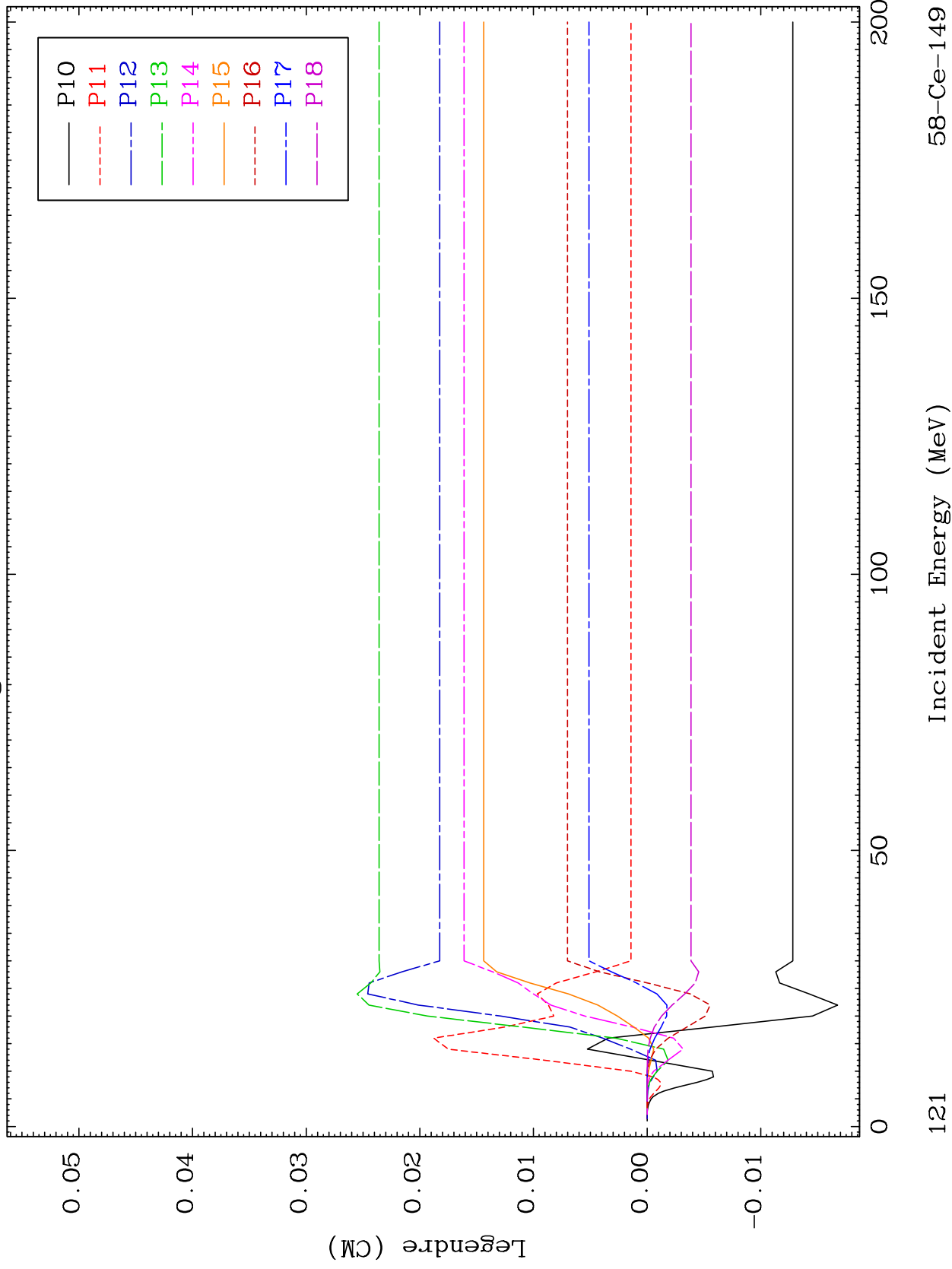
58-Ce-149



MAT 5864

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

58-Ce-149



58-Ce-149

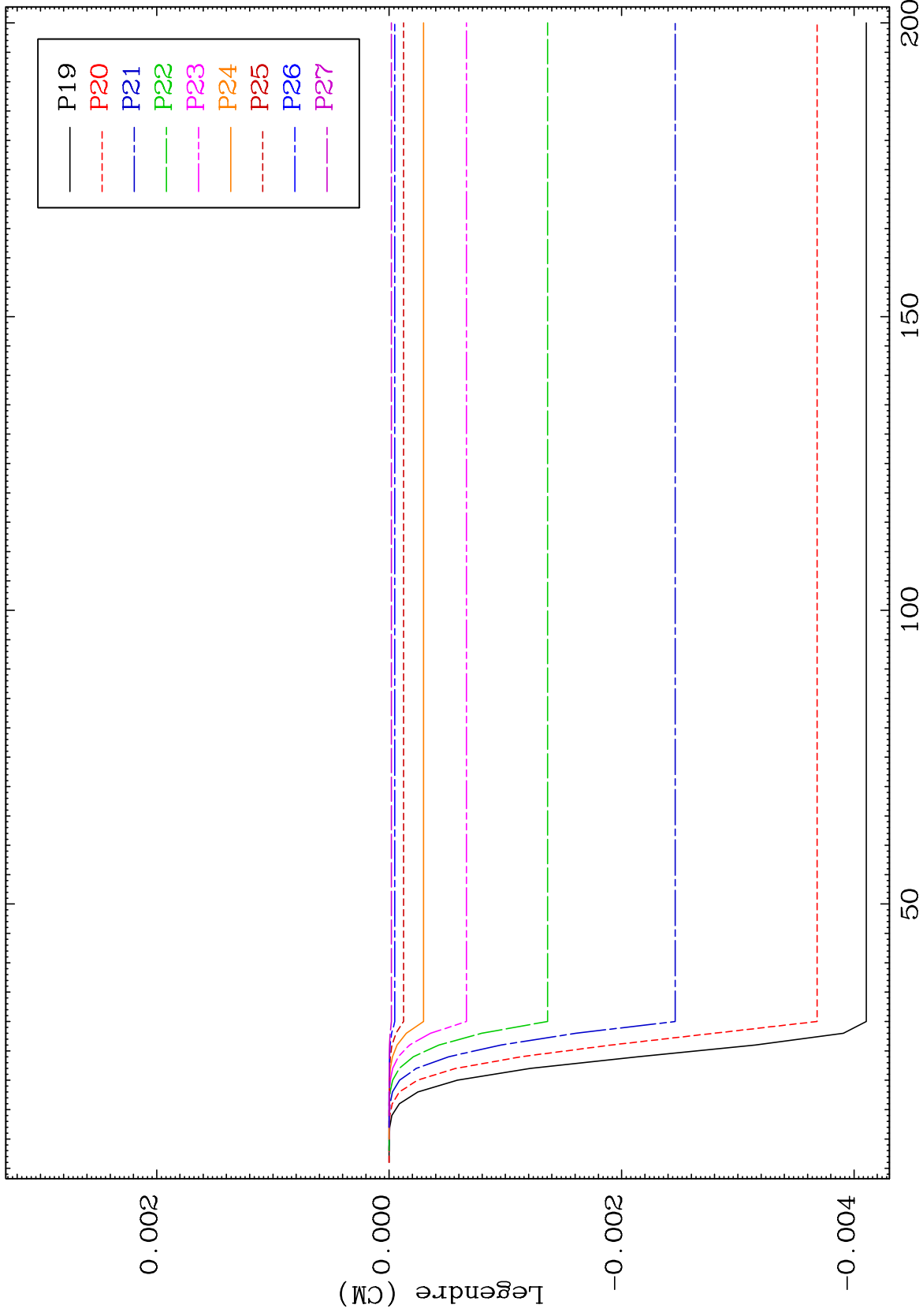
Incident Energy (MeV)

121

MAT 5864

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

58-Ce-149



122

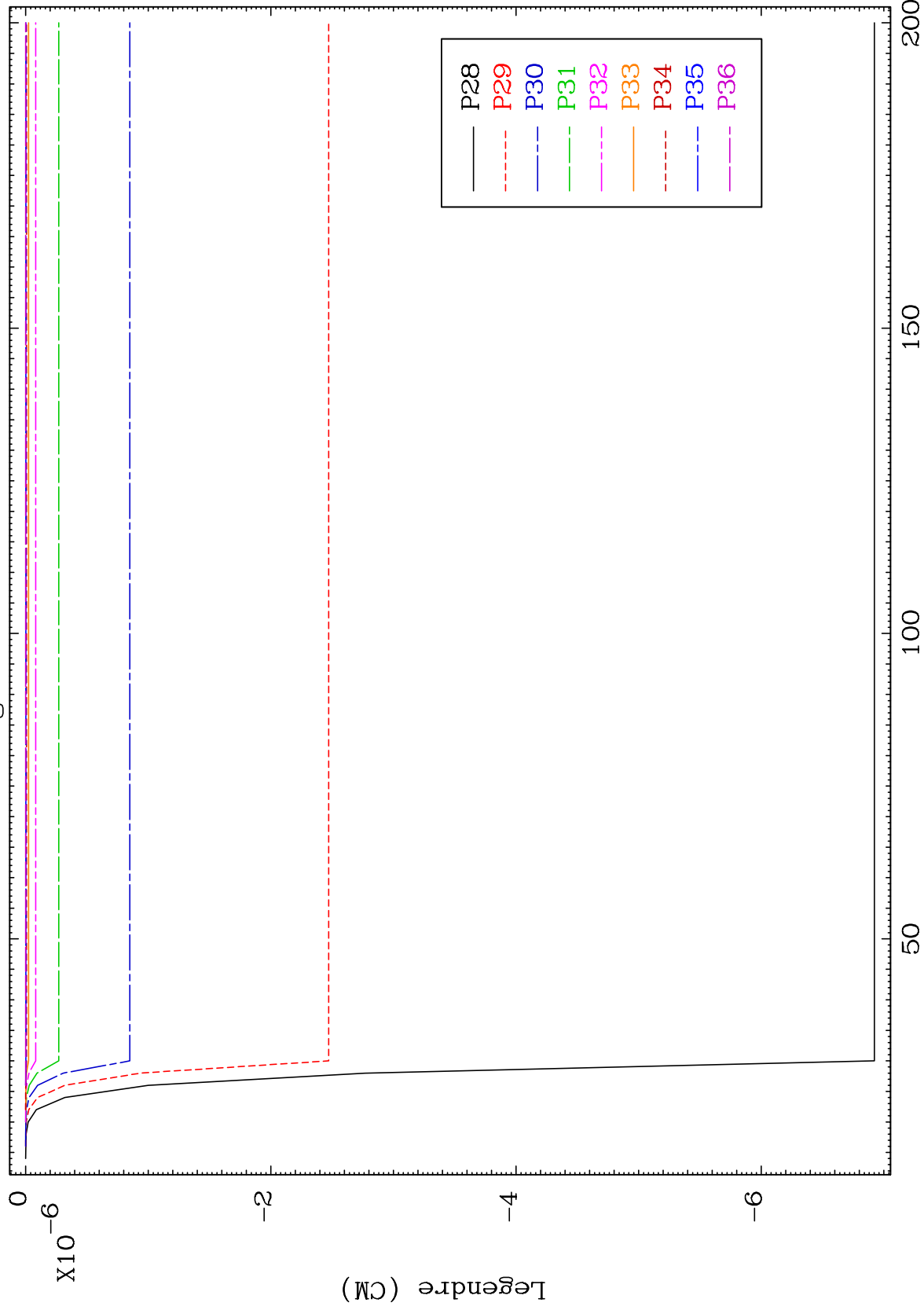
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



123

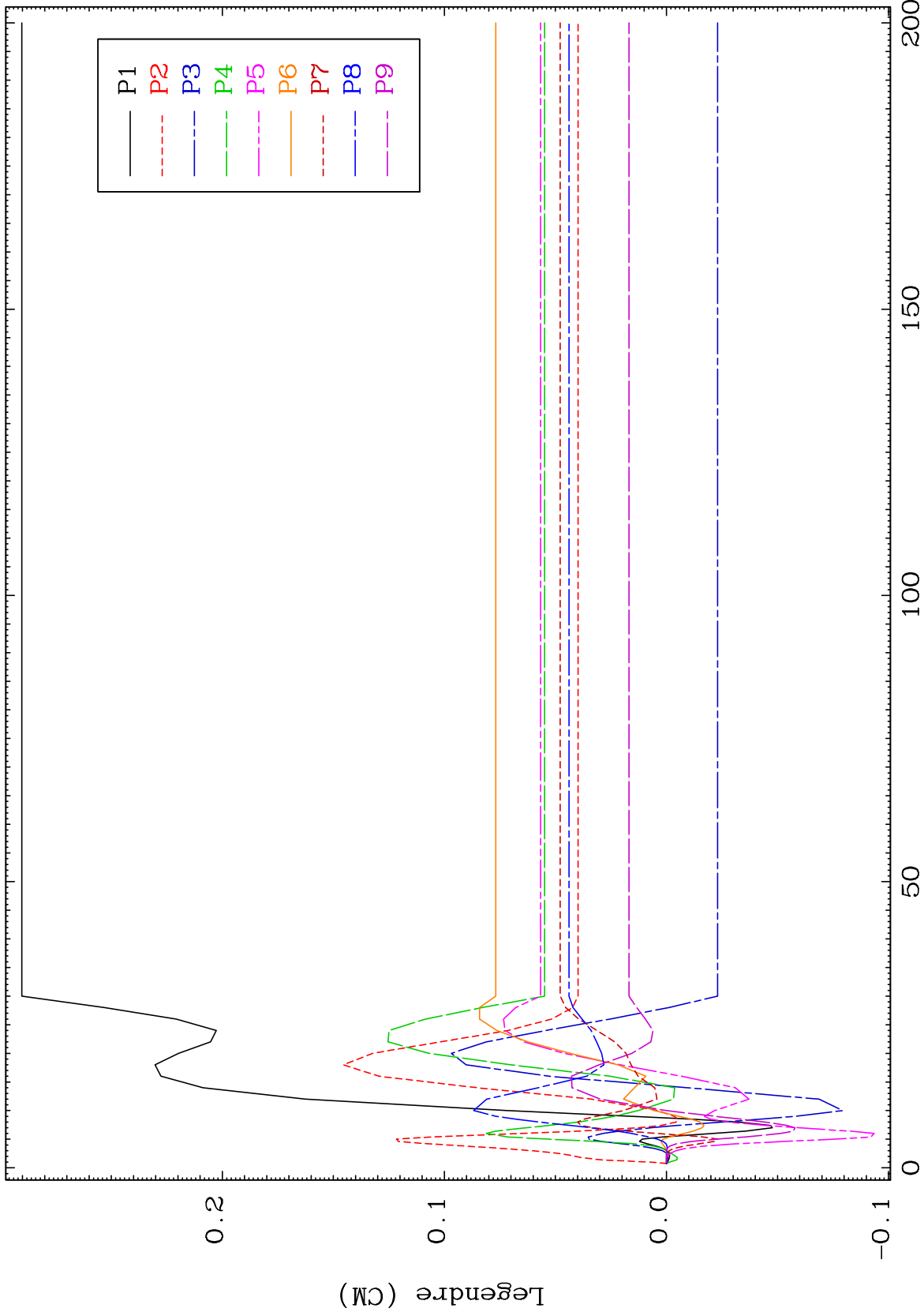
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



58-Ce-149

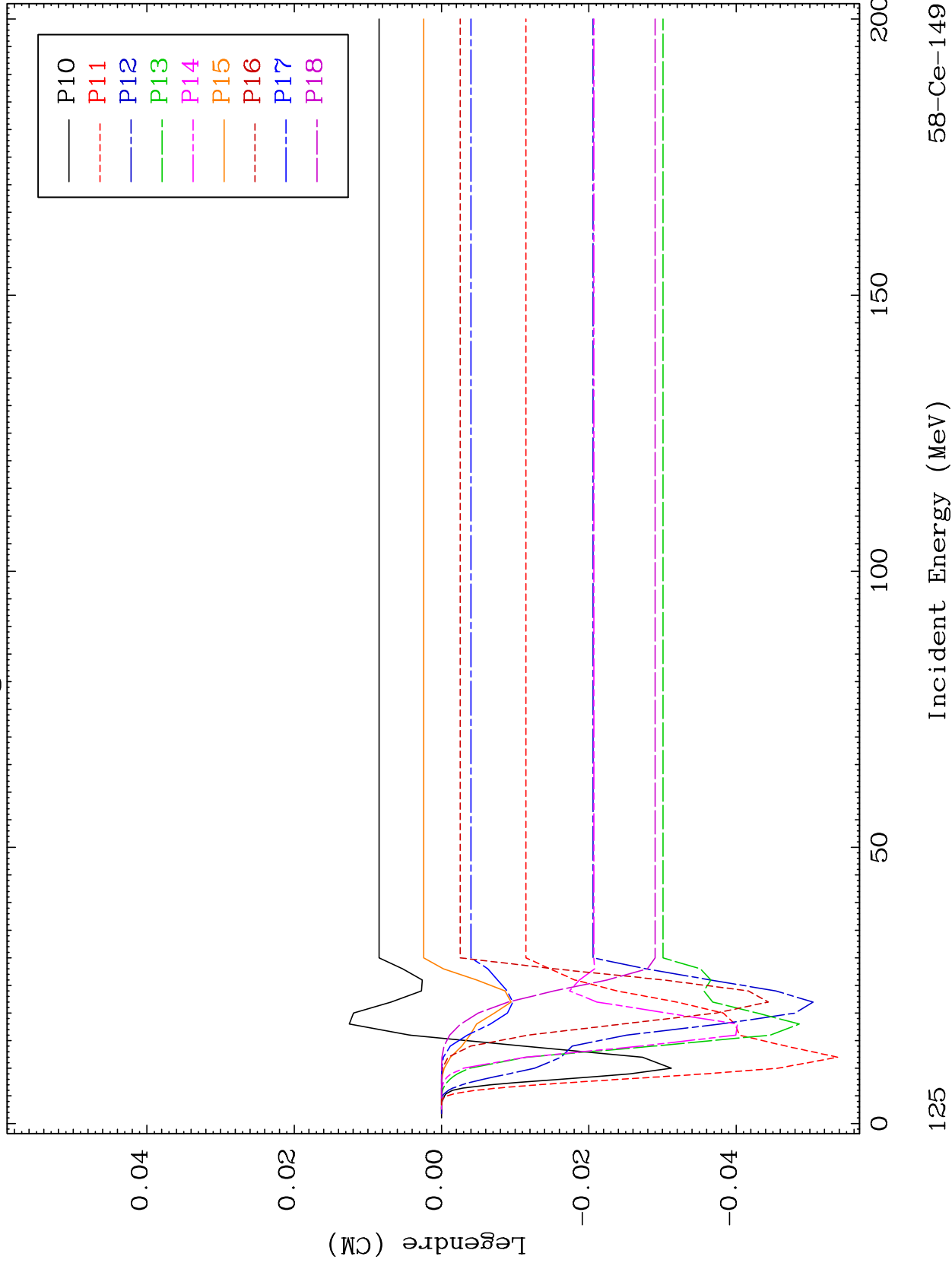
Incident Energy (MeV)

124

MAT 5864

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

58-Ce-149



58-Ce-149

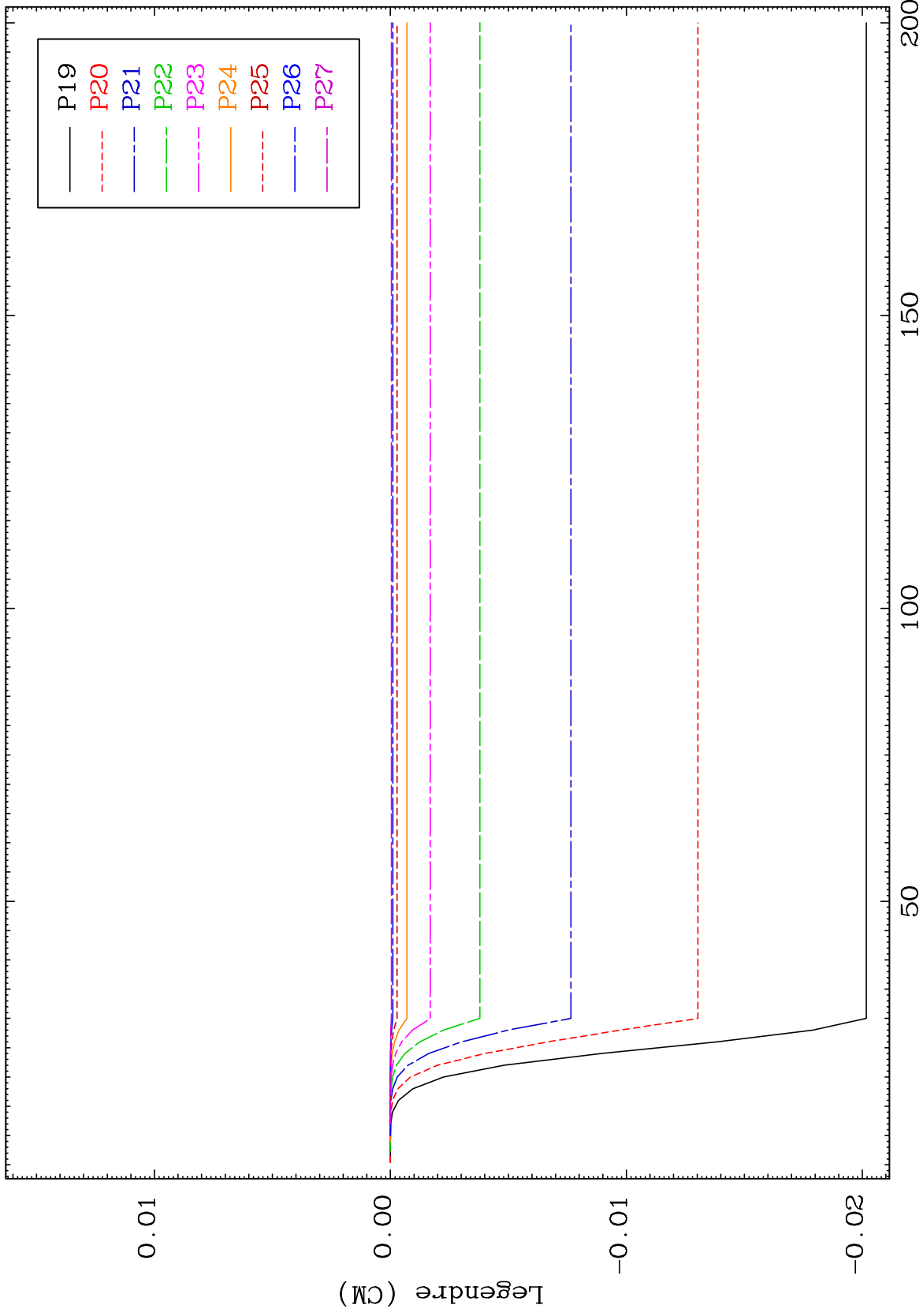
Incident Energy (MeV)

125

MAT 5864

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

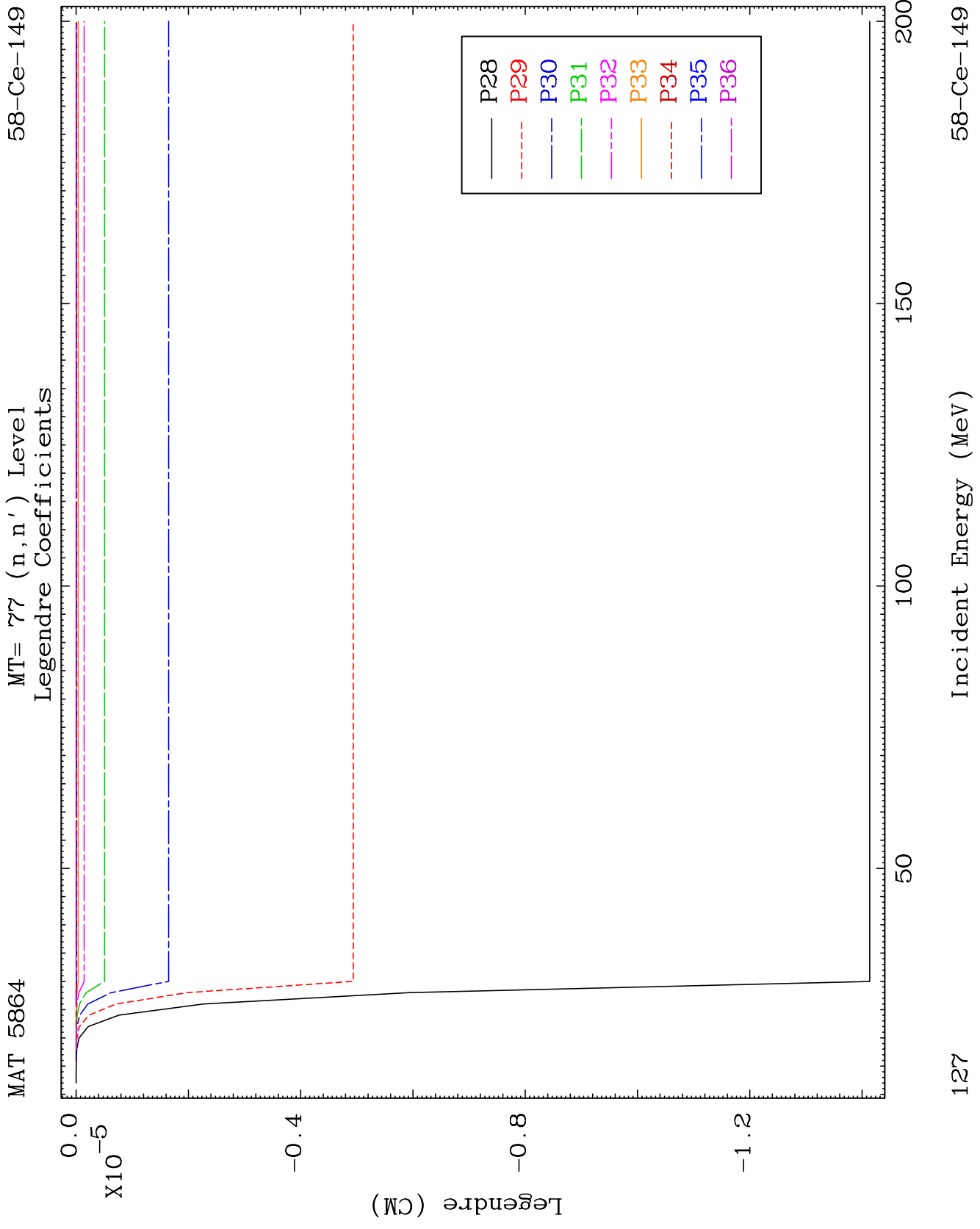
58-Ce-149



126

Incident Energy (MeV)

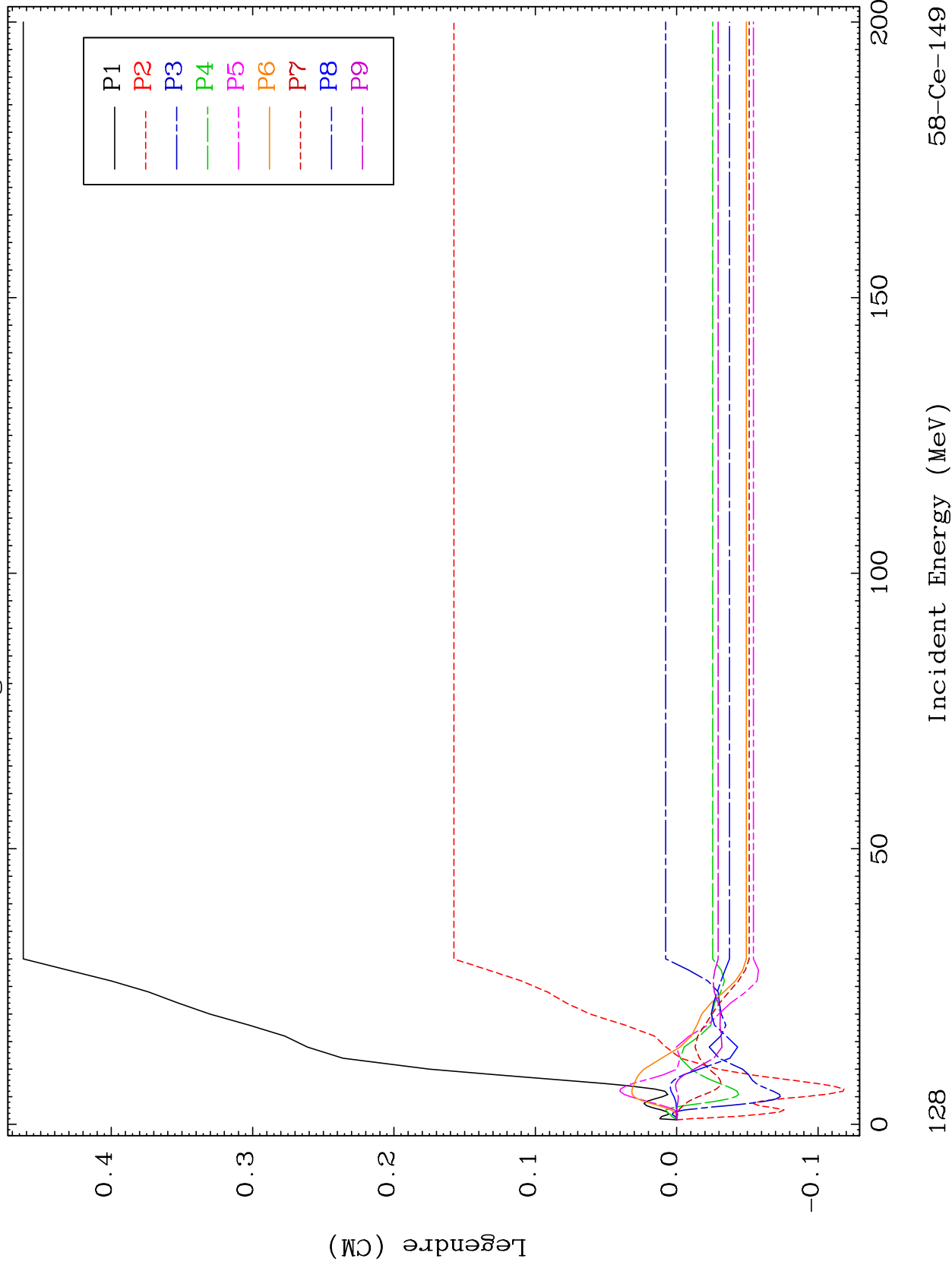
58-Ce-149



MAT 5864

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

58-Ce-149



58-Ce-149

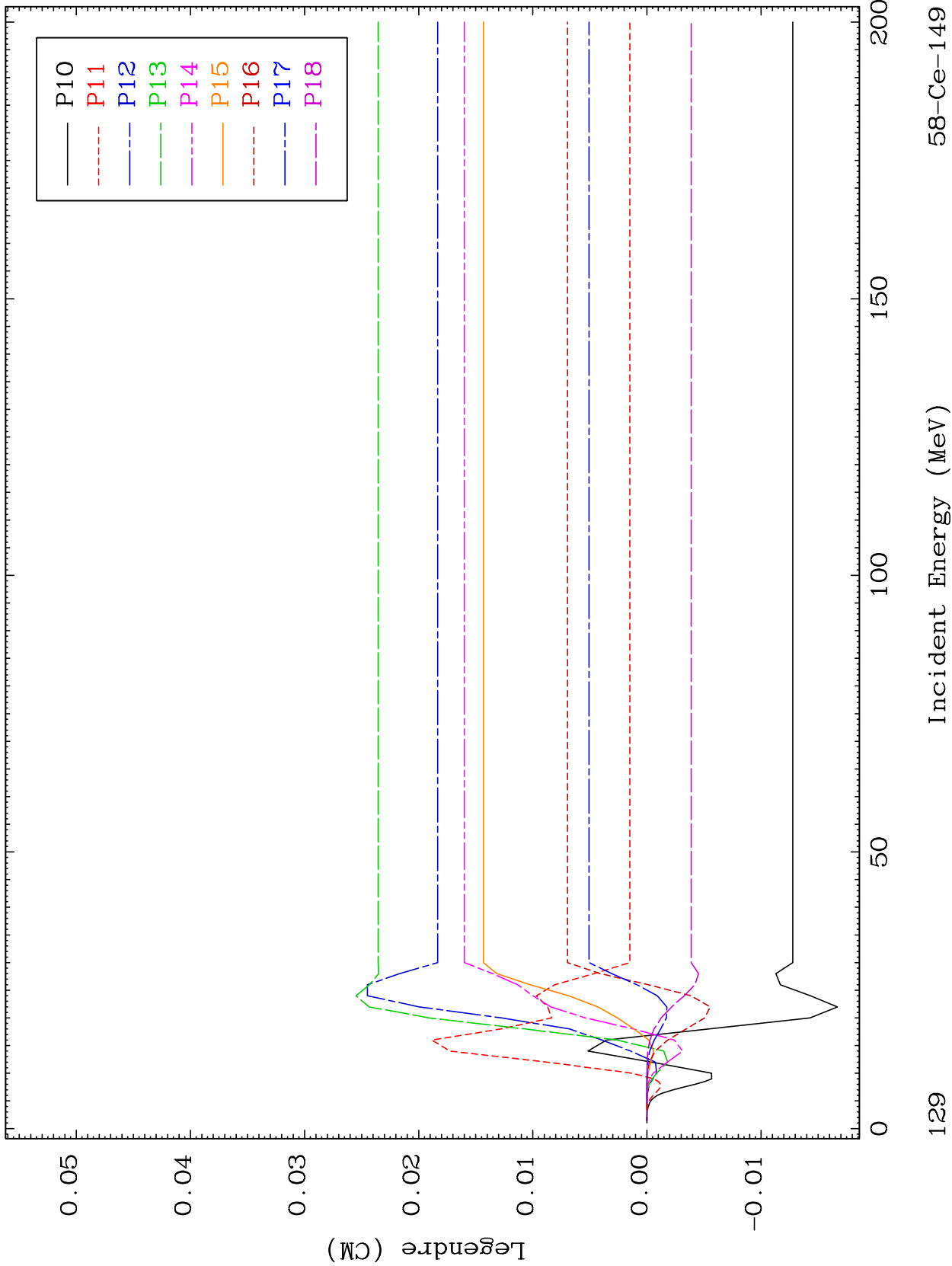
Incident Energy (MeV)

128

MAT 5864

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

58-Ce-149



129

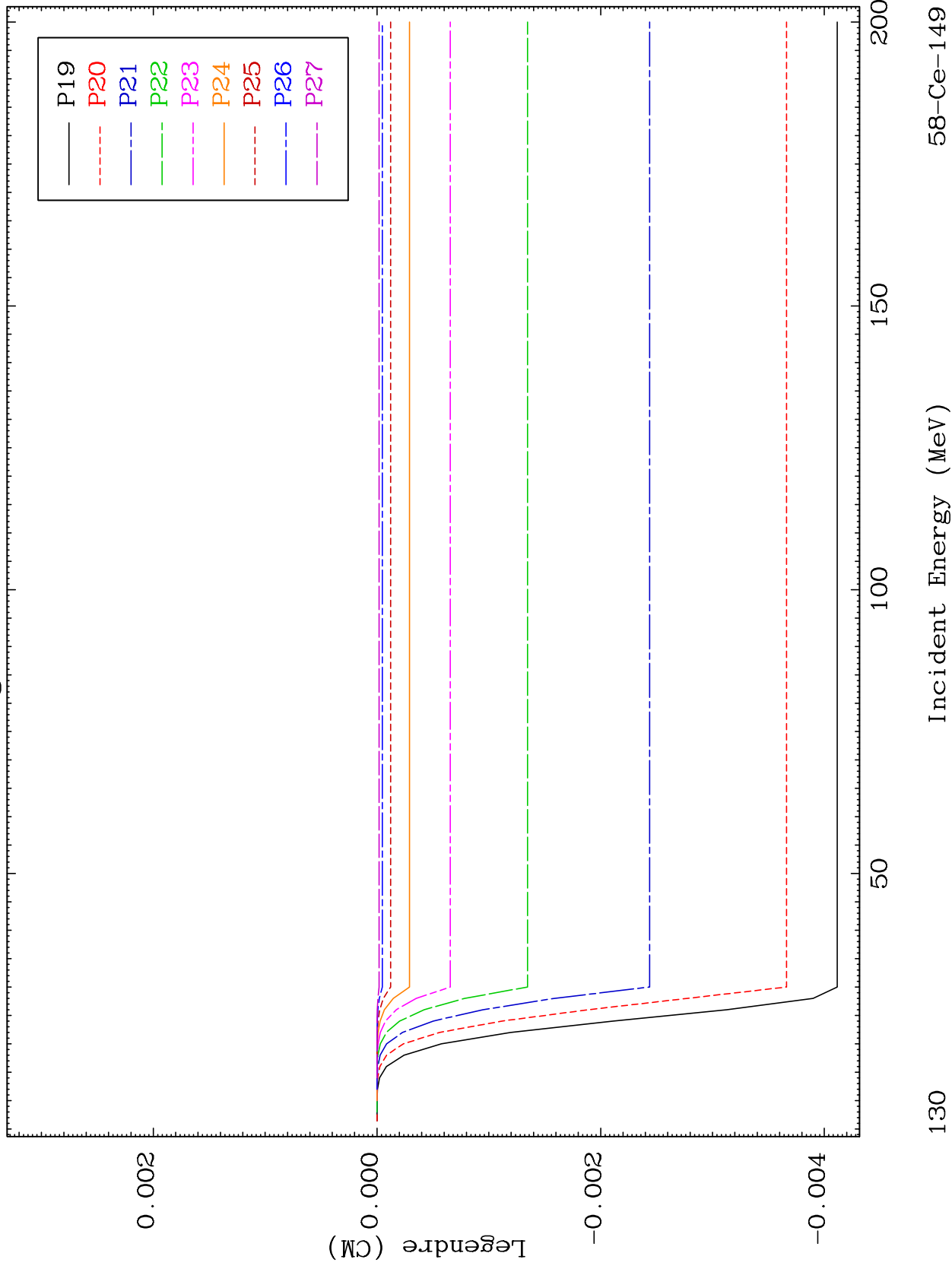
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

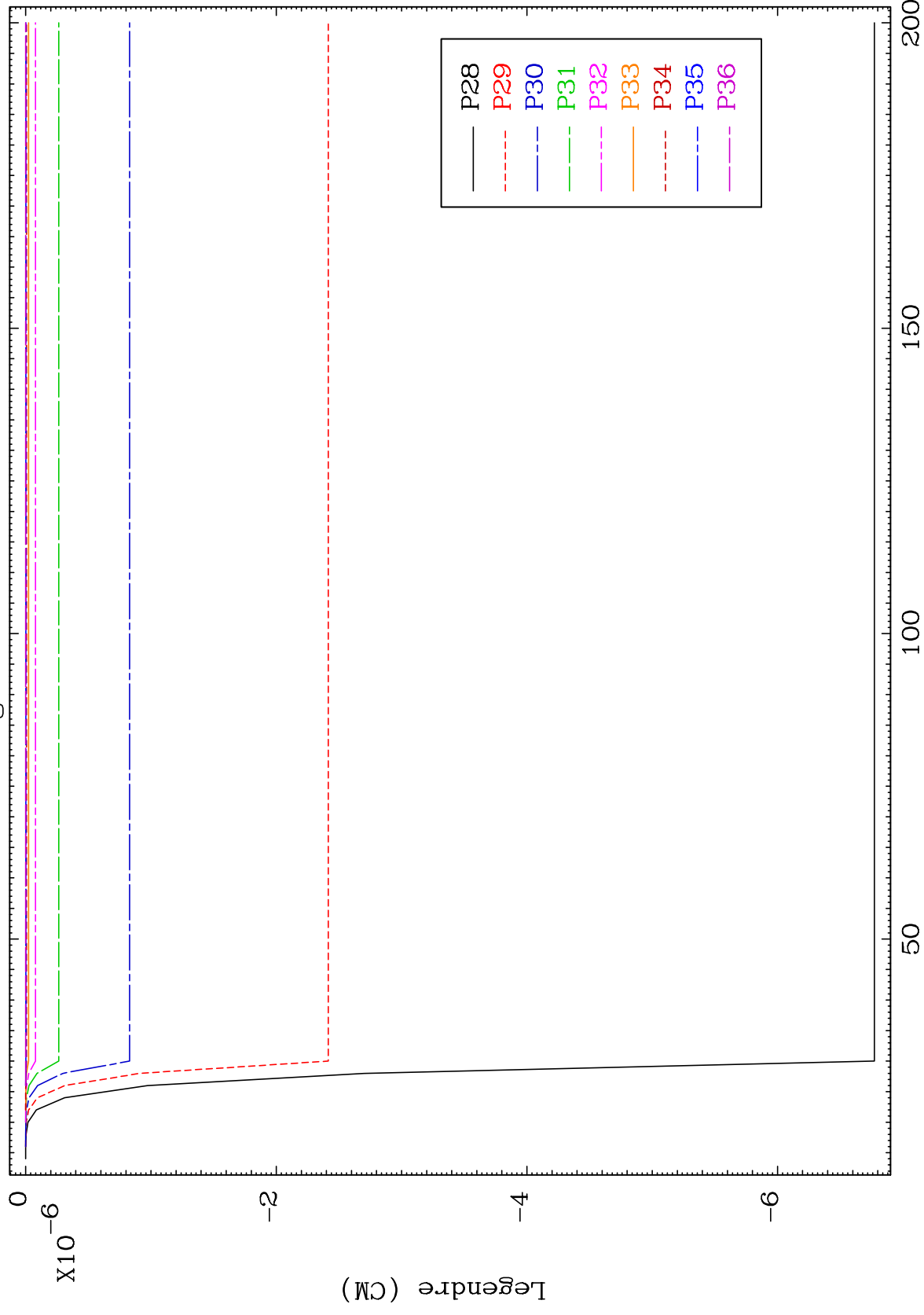
58-Ce-149



MAT 5864

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

58-Ce-149



131

Incident Energy (MeV)

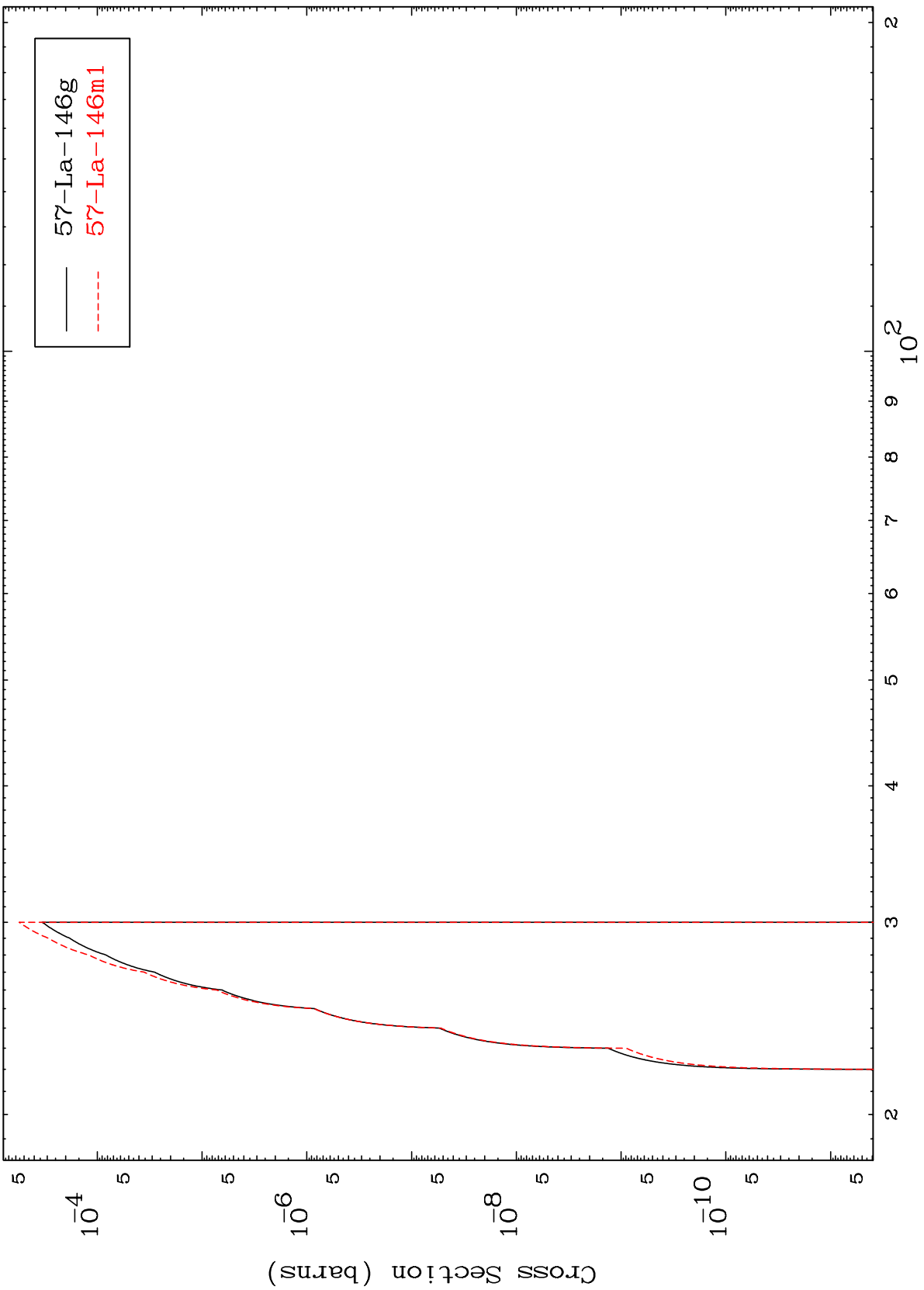
58-Ce-149

MAT 5864

(n,2n) d

58-Ce-149

Radionuclide Production Cross Section



57-La-146g
57-La-146m1

132

Incident Energy (MeV)

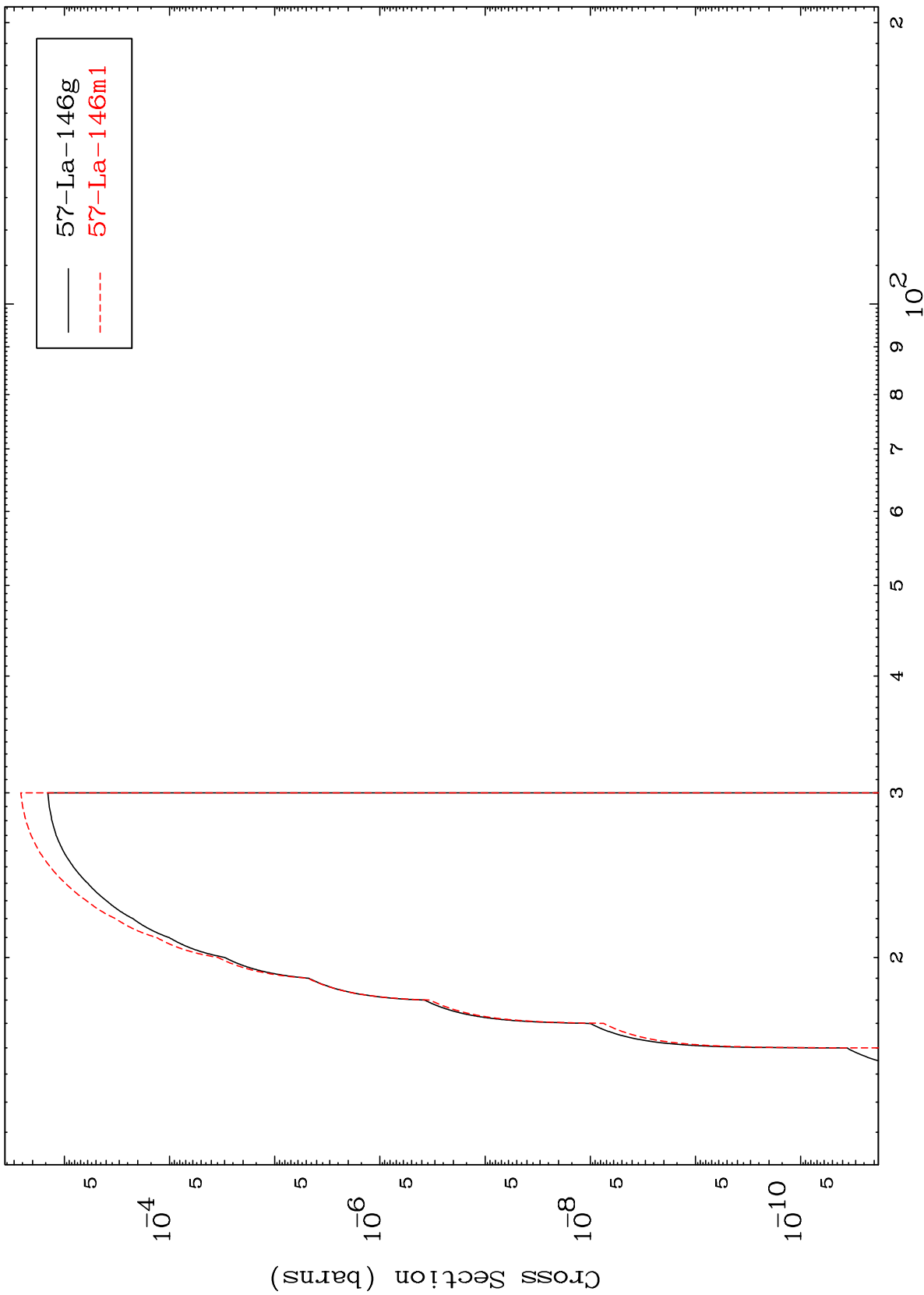
58-Ce-149

MAT 5864

(n,n') t

58-Ce-149

Radionuclide Production Cross Section



133

Incident Energy (MeV)

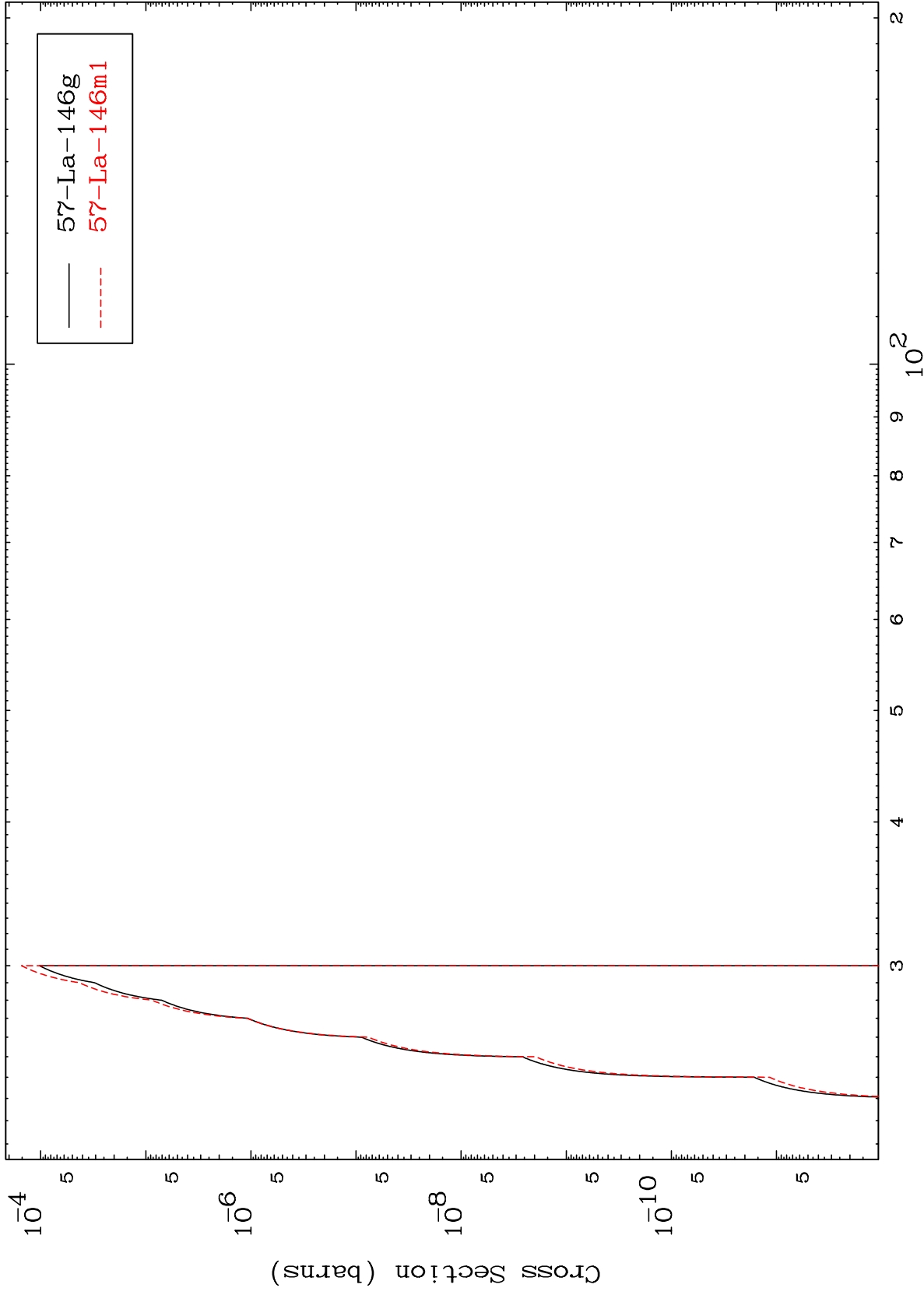
58-Ce-149

MAT 5864

(n,3n) p

58-Ce-149

Radionuclide Production Cross Section



134

Incident Energy (MeV)

58-Ce-149