

Program EVALPLOT  
(Version 2021-1)

by

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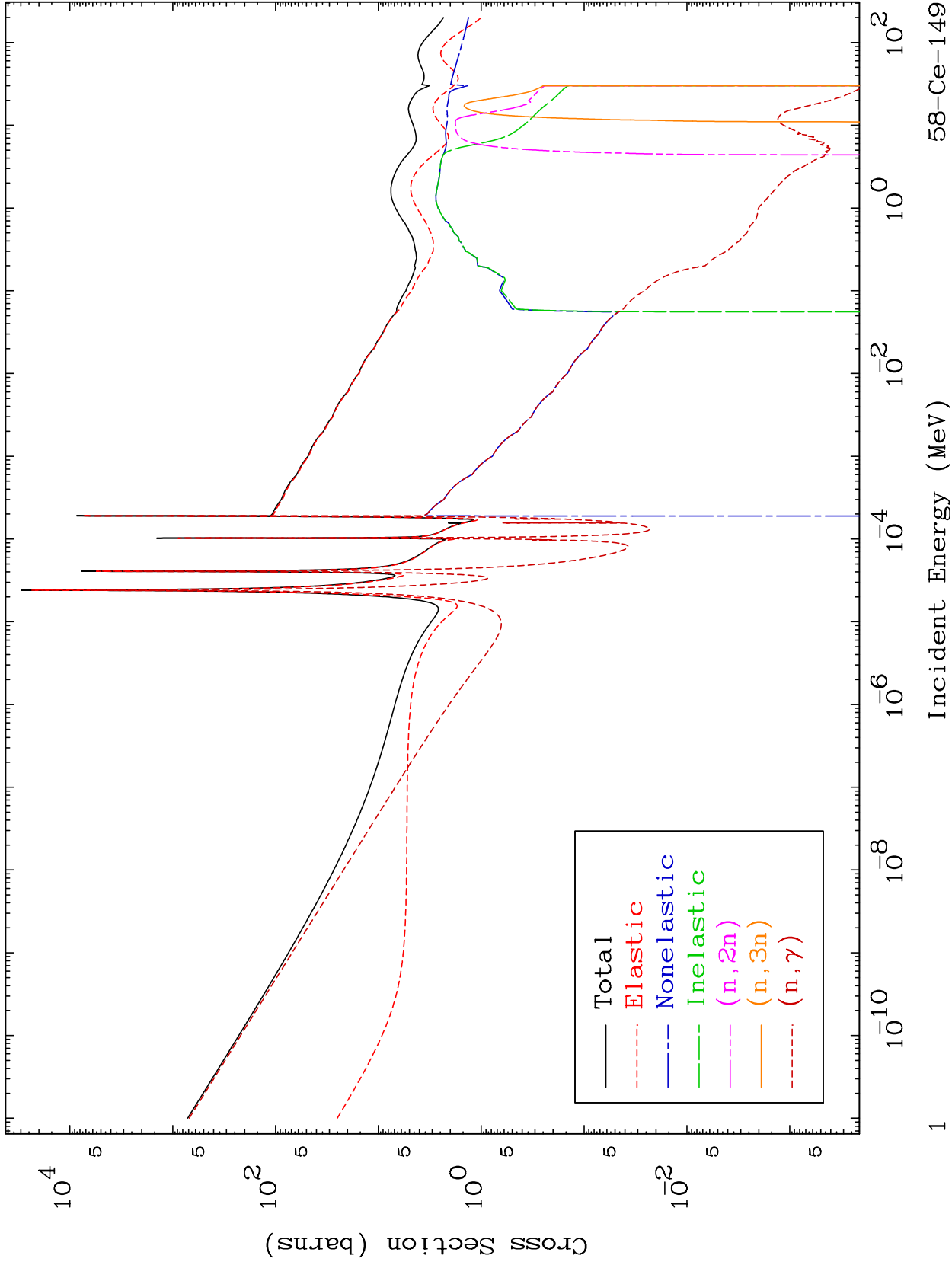
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Press Mouse Button to Start

MAT 5864

Neutron Major  
293 Kelvin Cross Sections

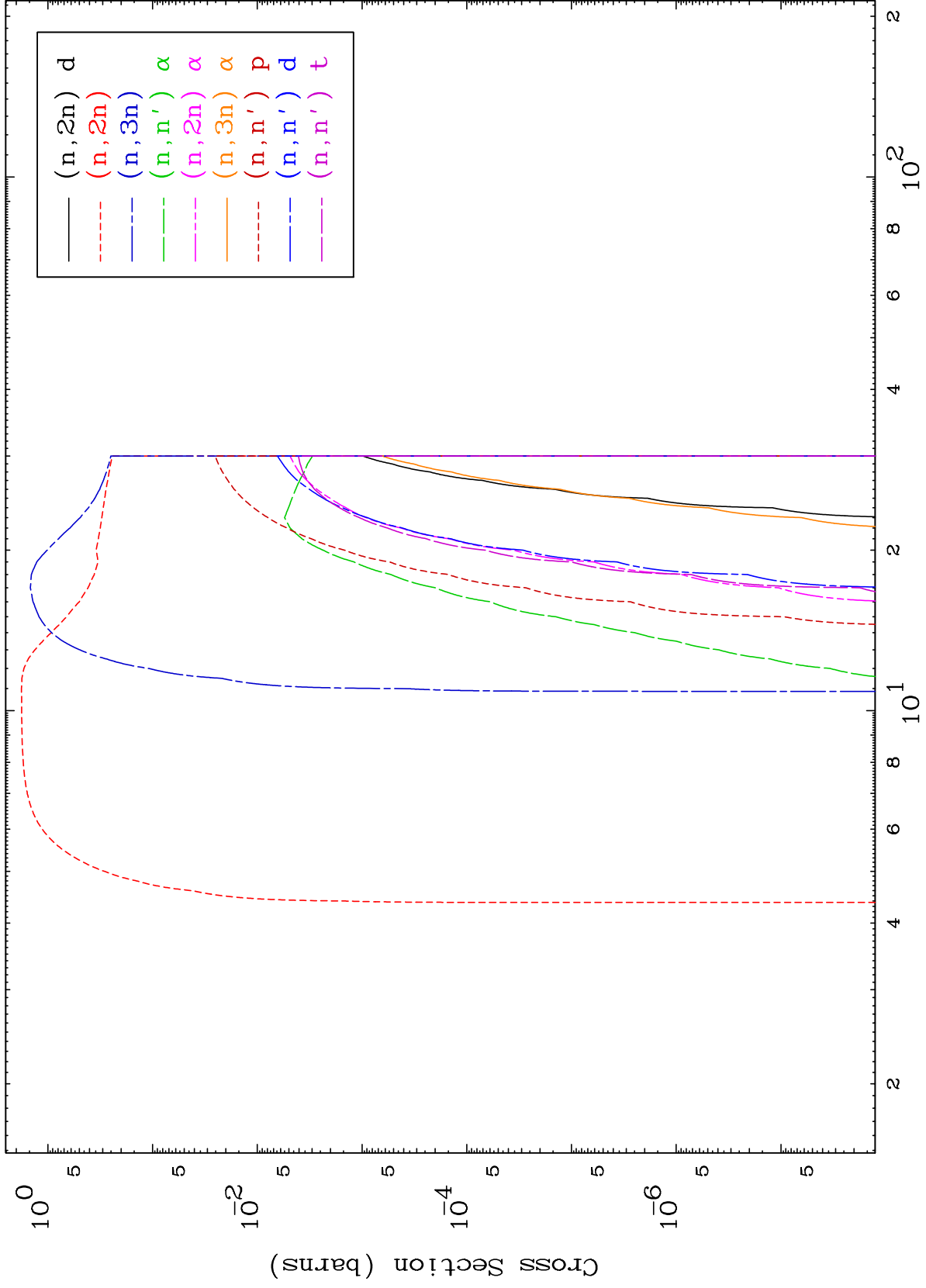
58-Ce-149



MAT 5864

Neutron Absorption  
293 Kelvin Cross Sections

58-Ce-149



2

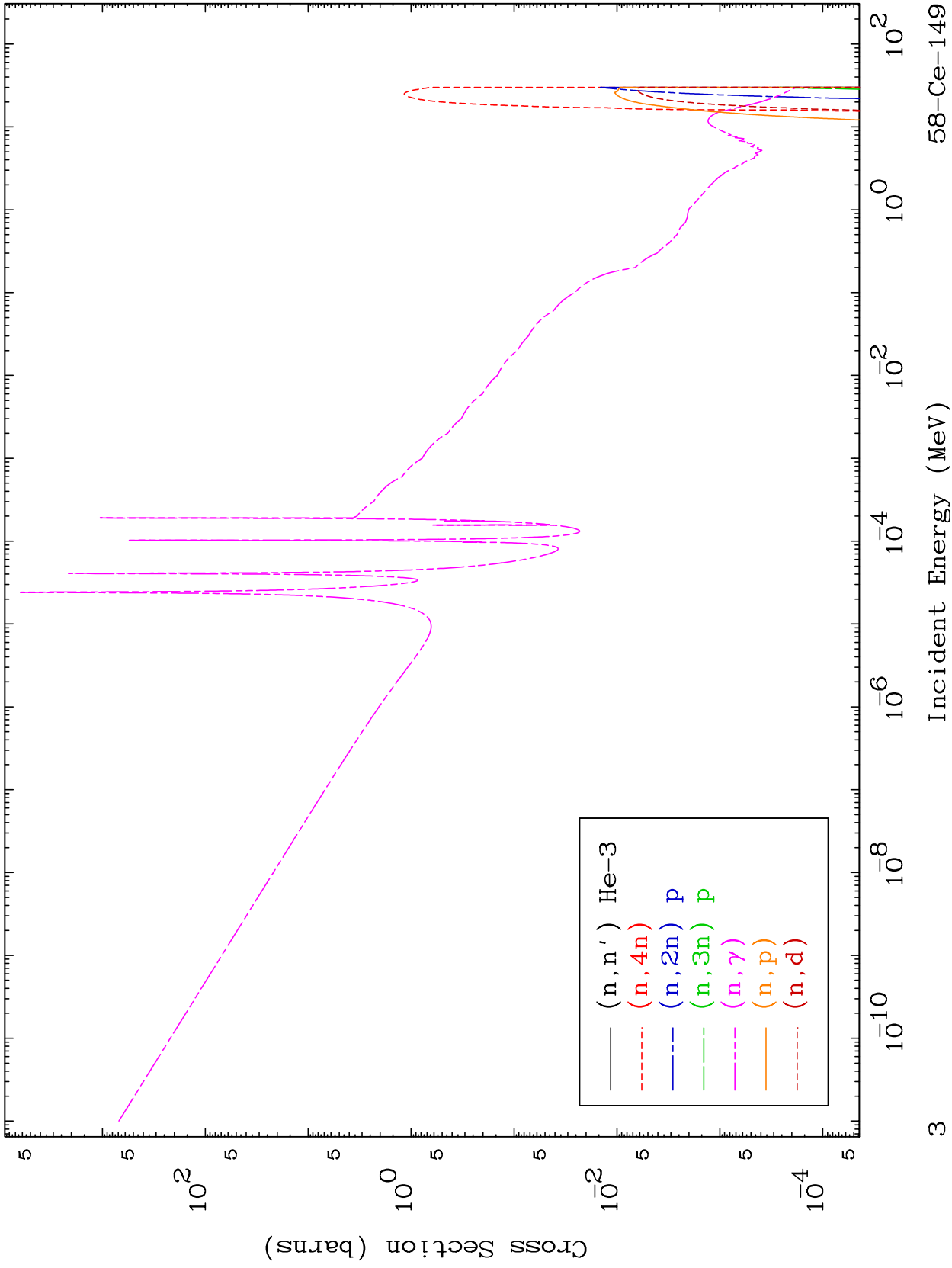
Incident Energy (MeV)

58-Ce-149

MAT 5864

Neutron Absorption  
293 Kelvin Cross Sections

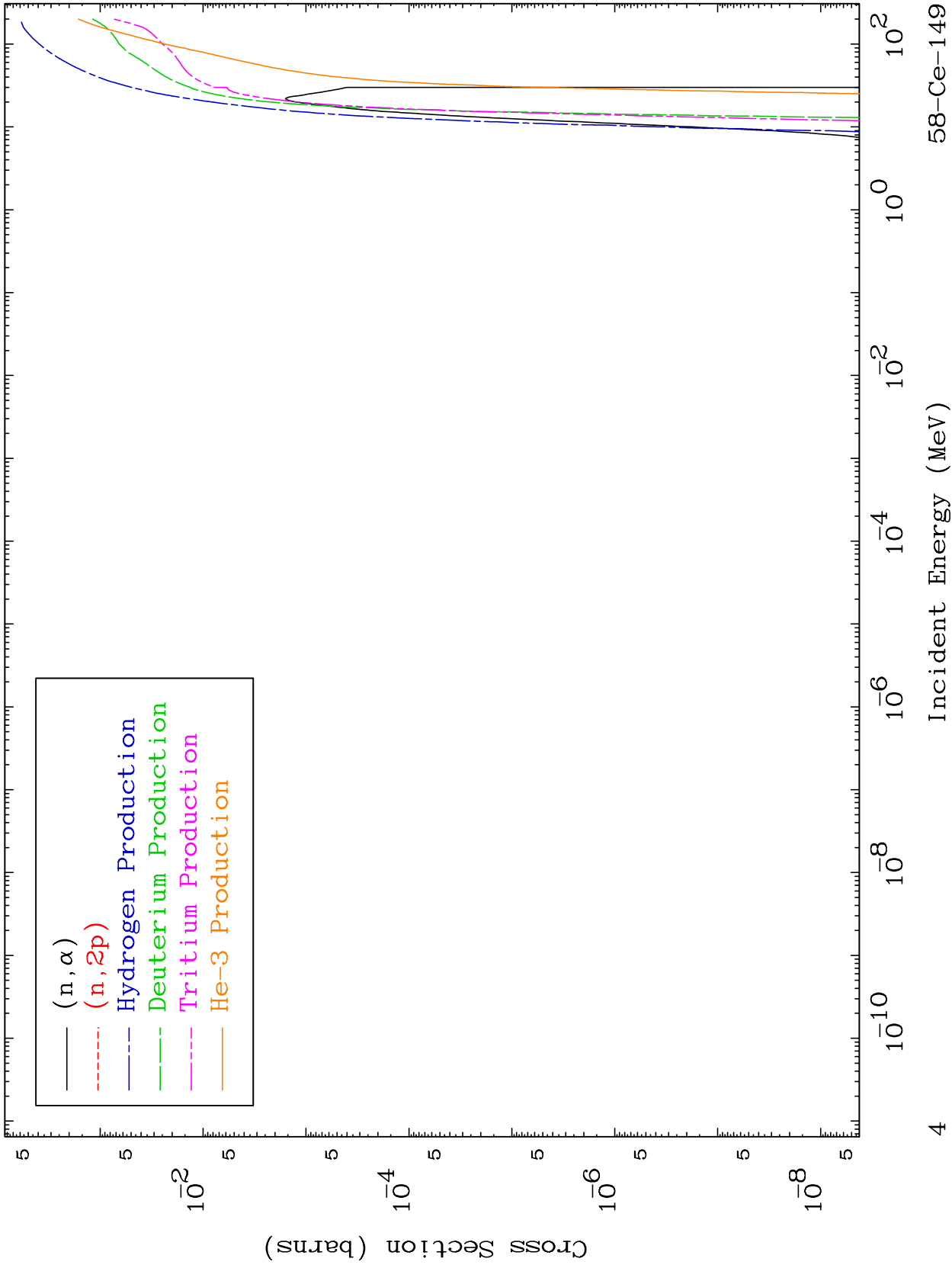
58-Ce-149



MAT 5864

Neutron Absorption  
293 Kelvin Cross Sections

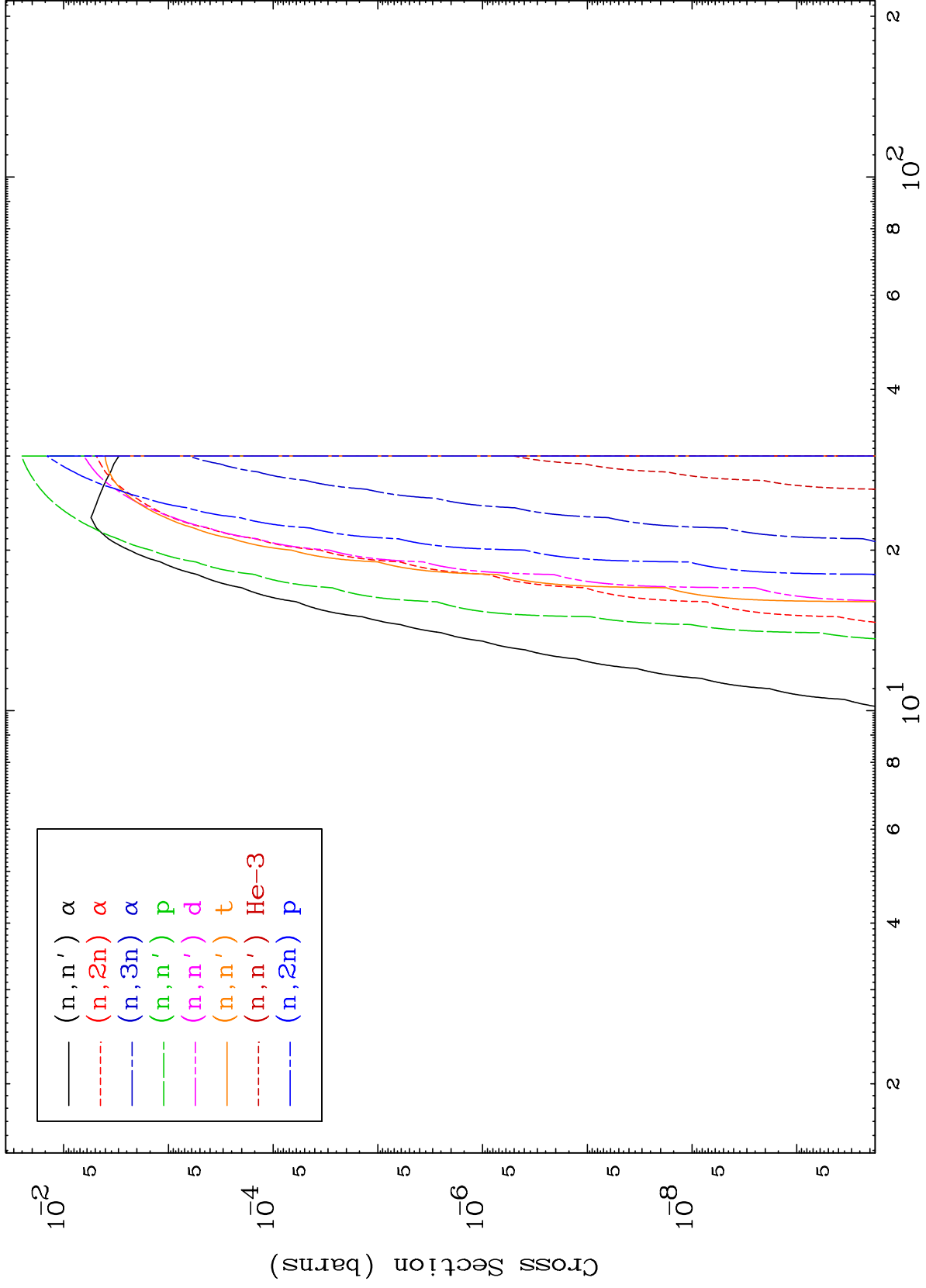
58-Ce-149



MAT 5864

Charged Particle  
293 Kelvin Cross Sections

58-Ce-149



5

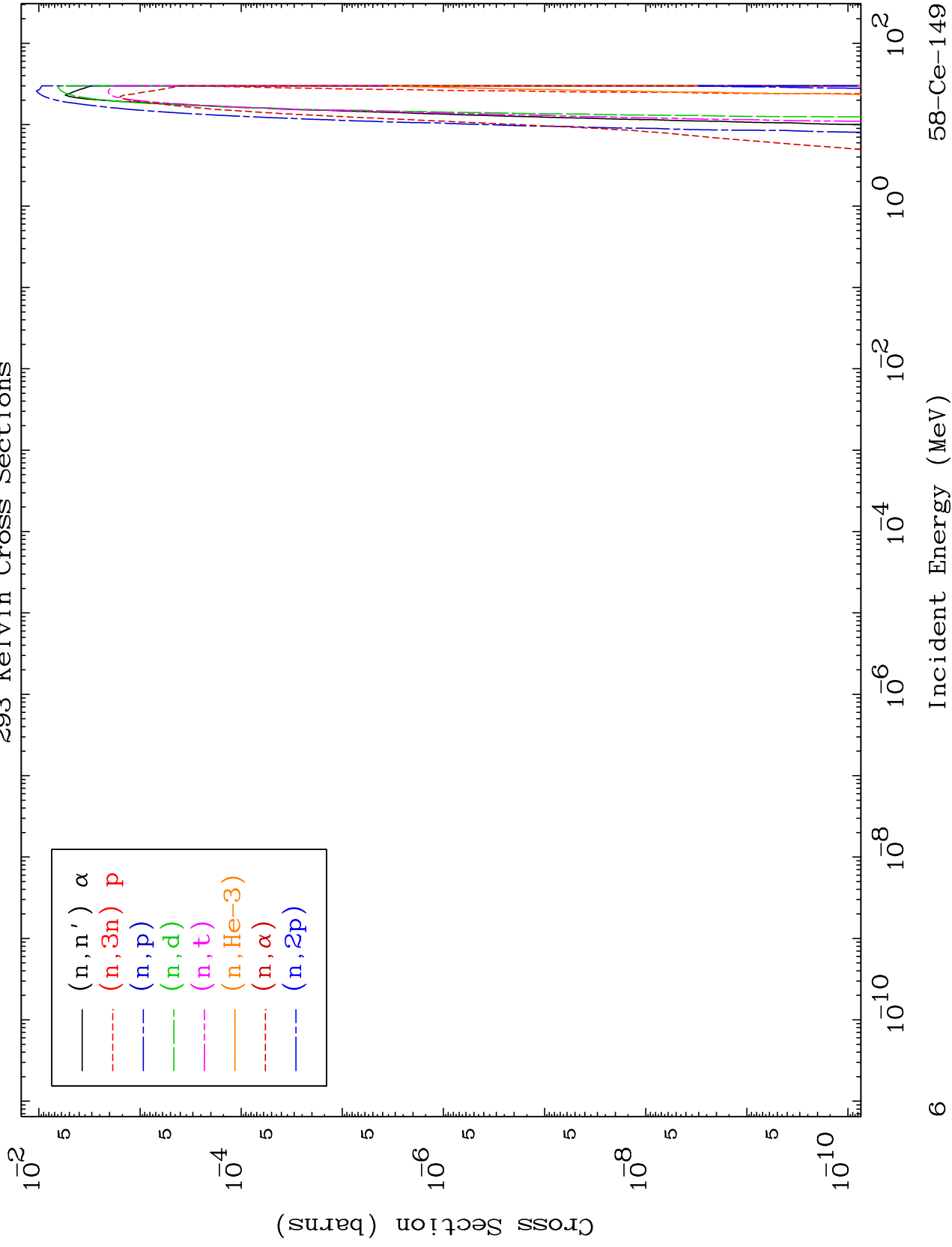
Incident Energy (MeV)

58-Ce-149

MAT 5864

Charged Particle  
293 Kelvin Cross Sections

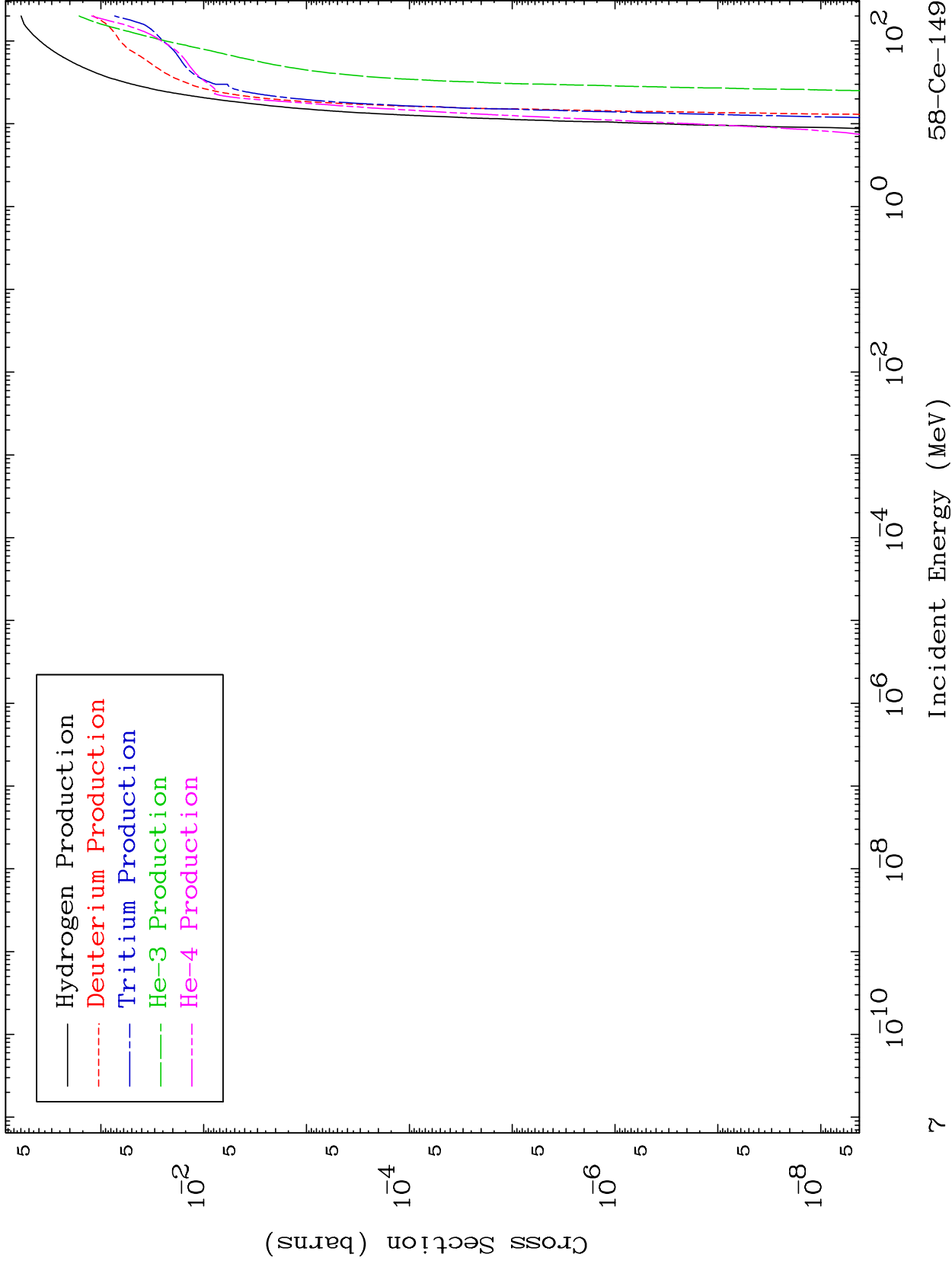
58-Ce-149



MAT 5864

Particle Production  
293 Kelvin Cross Sections

58-Ce-149



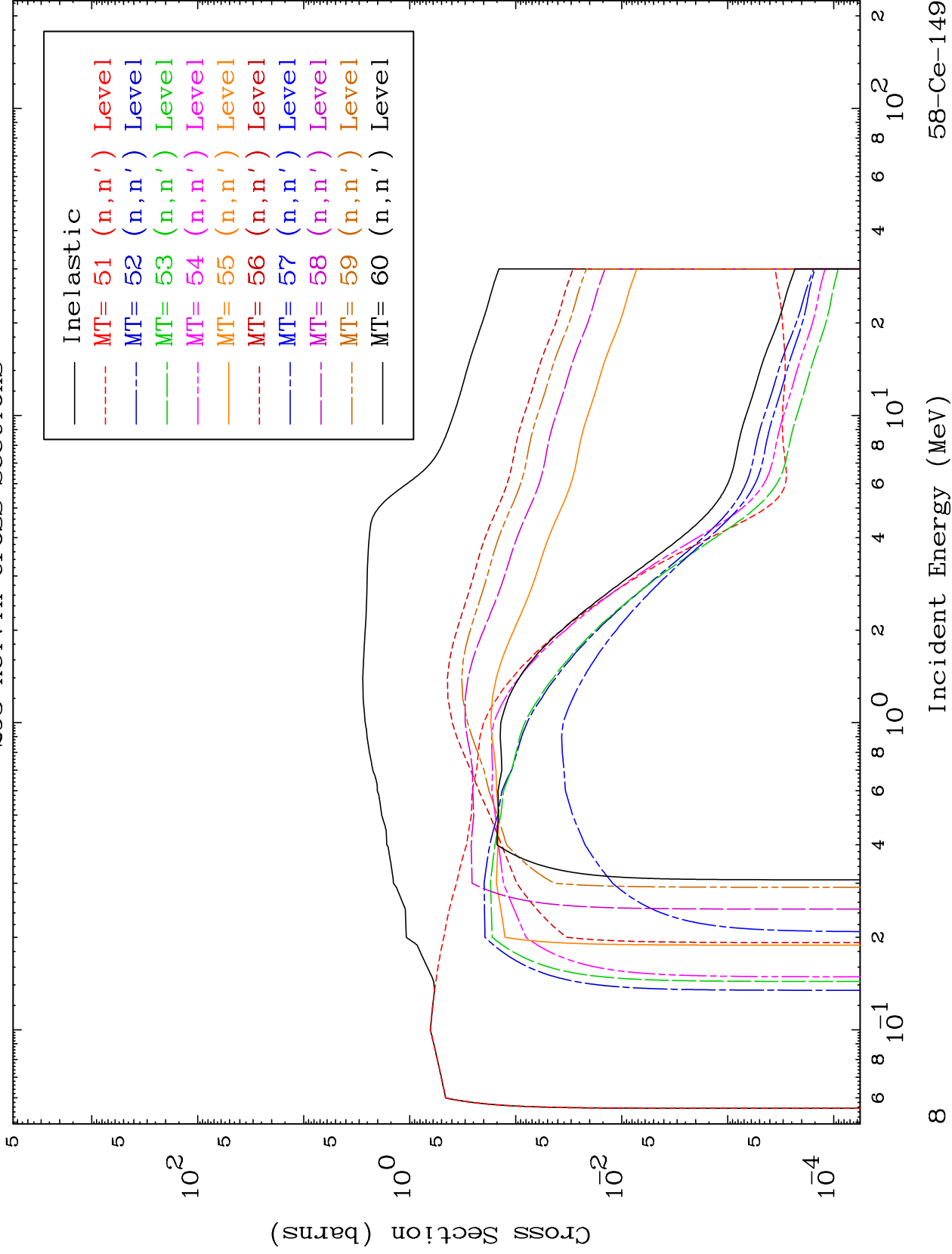


MAT 5864

(n,n') Levels

58-Ce-149

293 Kelvin Cross Sections



8

Incident Energy (MeV)

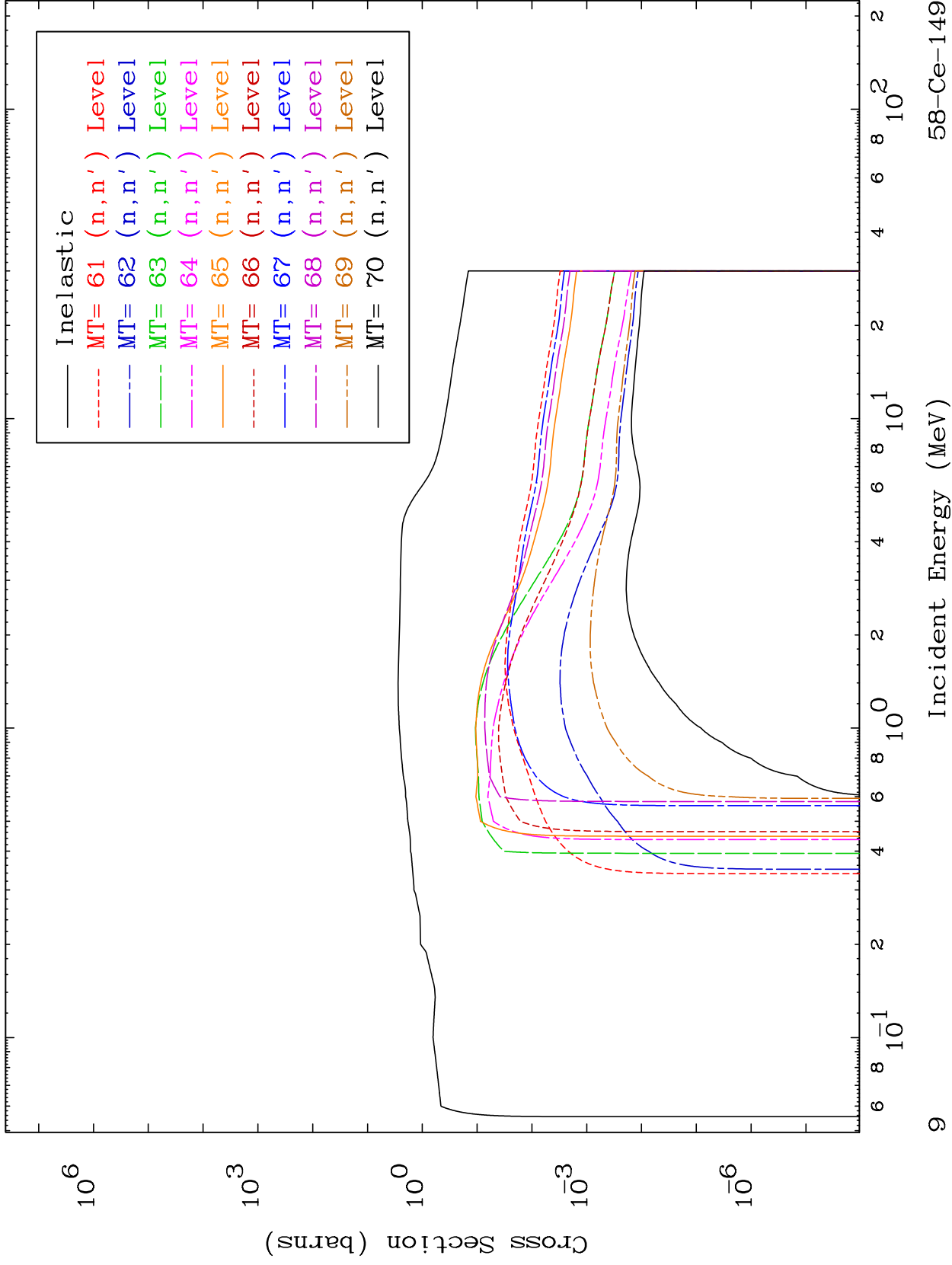
58-Ce-149

MAT 5864

(n,n') Levels

293 Kelvin Cross Sections

58-Ce-149

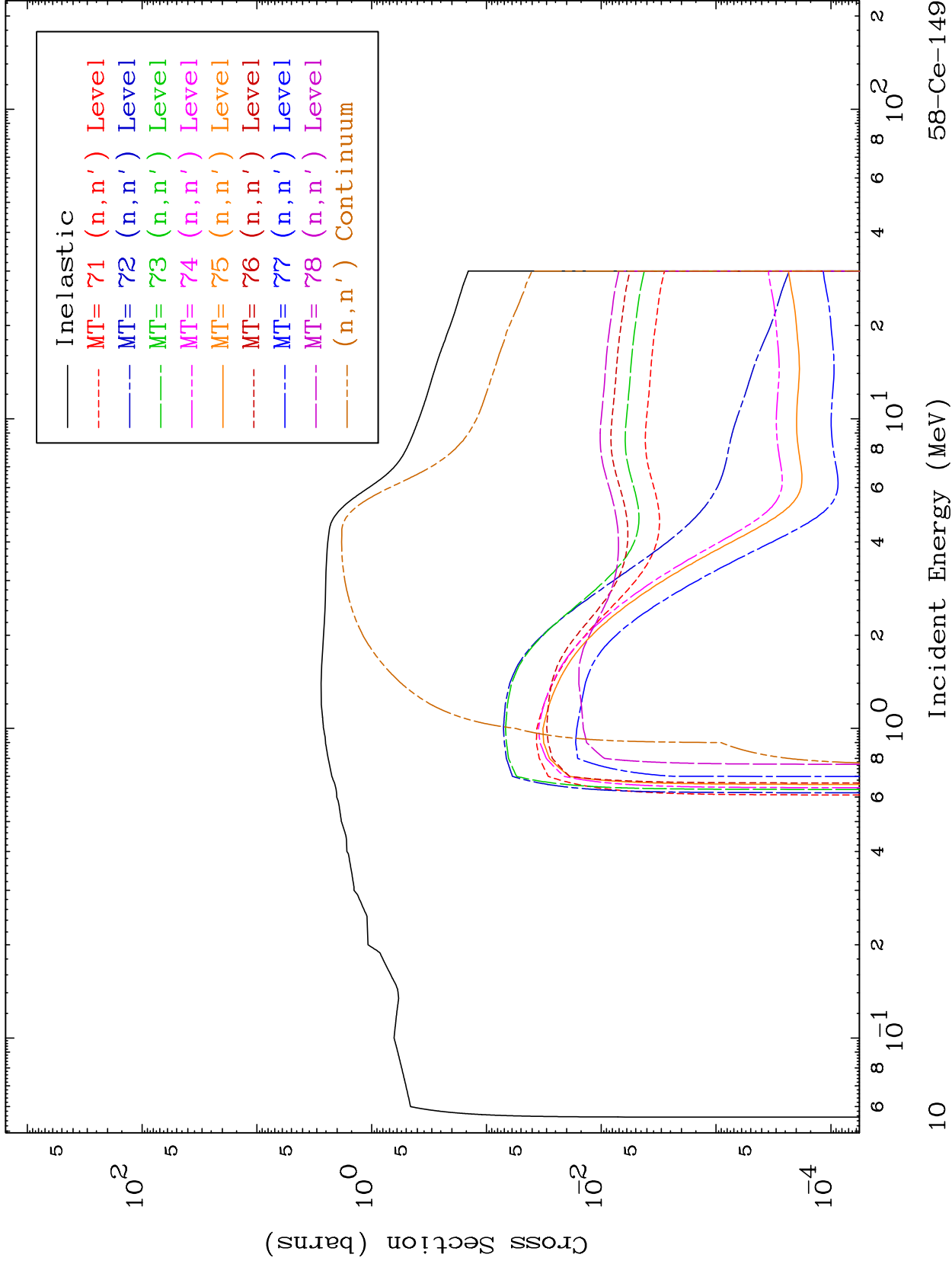


MAT 5864

(n,n') Levels

58-Ce-149

293 Kelvin Cross Sections



58-Ce-149

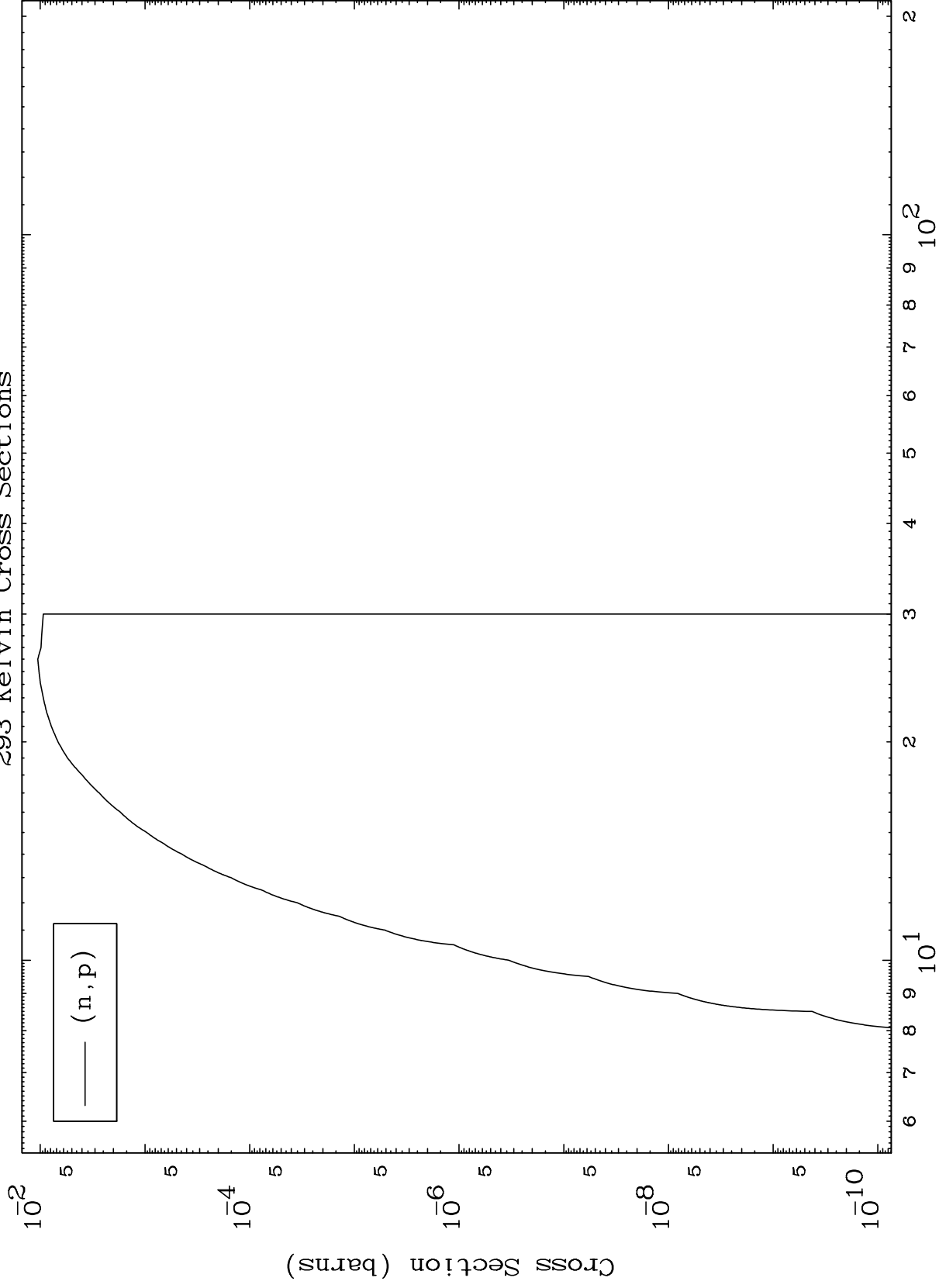
Incident Energy (MeV)

10

MAT 5864

(n,p) Levels  
293 Kelvin Cross Sections

58-Ce-149



11

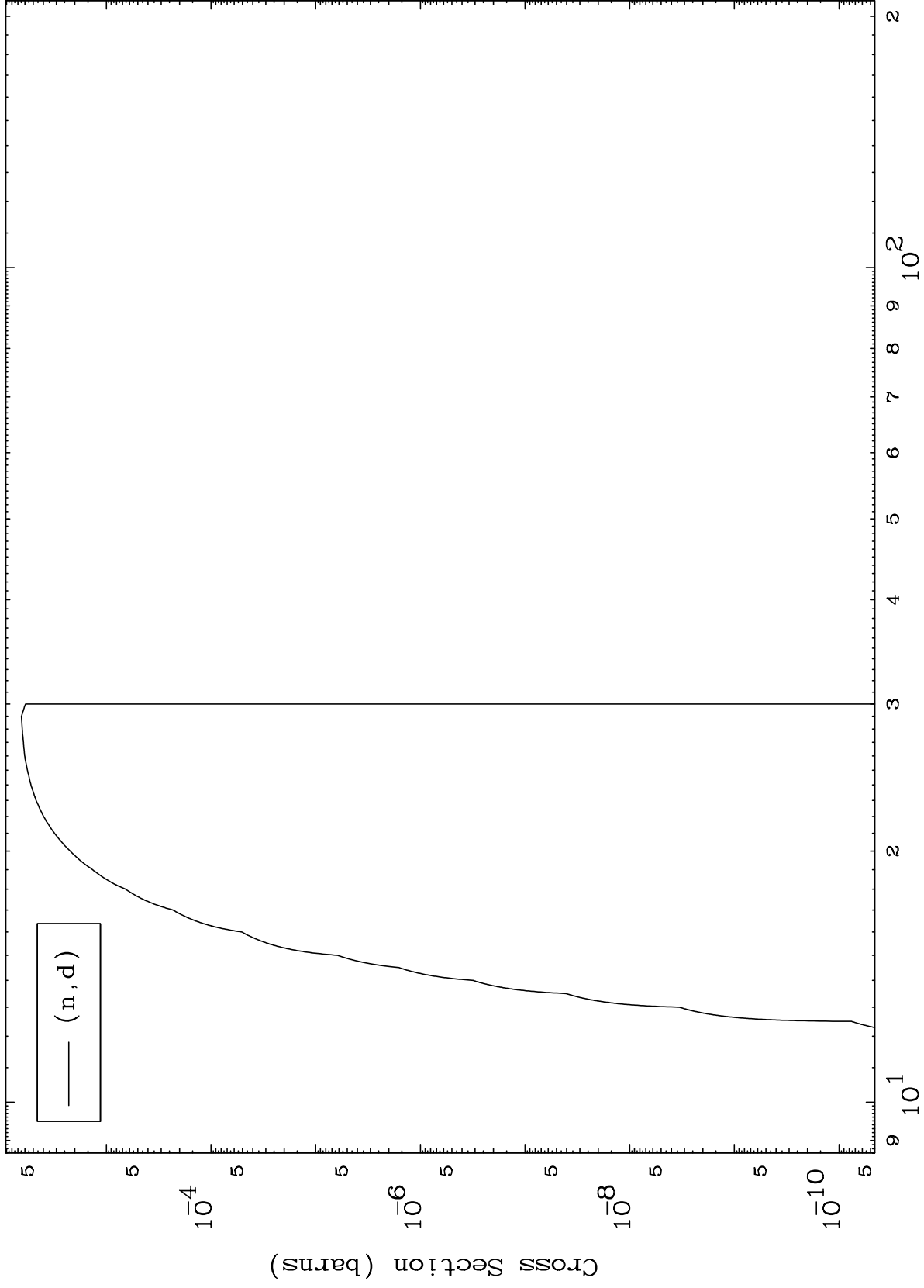
Incident Energy (MeV)

58-Ce-149

MAT 5864

(n,d) Levels  
293 Kelvin Cross Sections

58-Ce-149



12

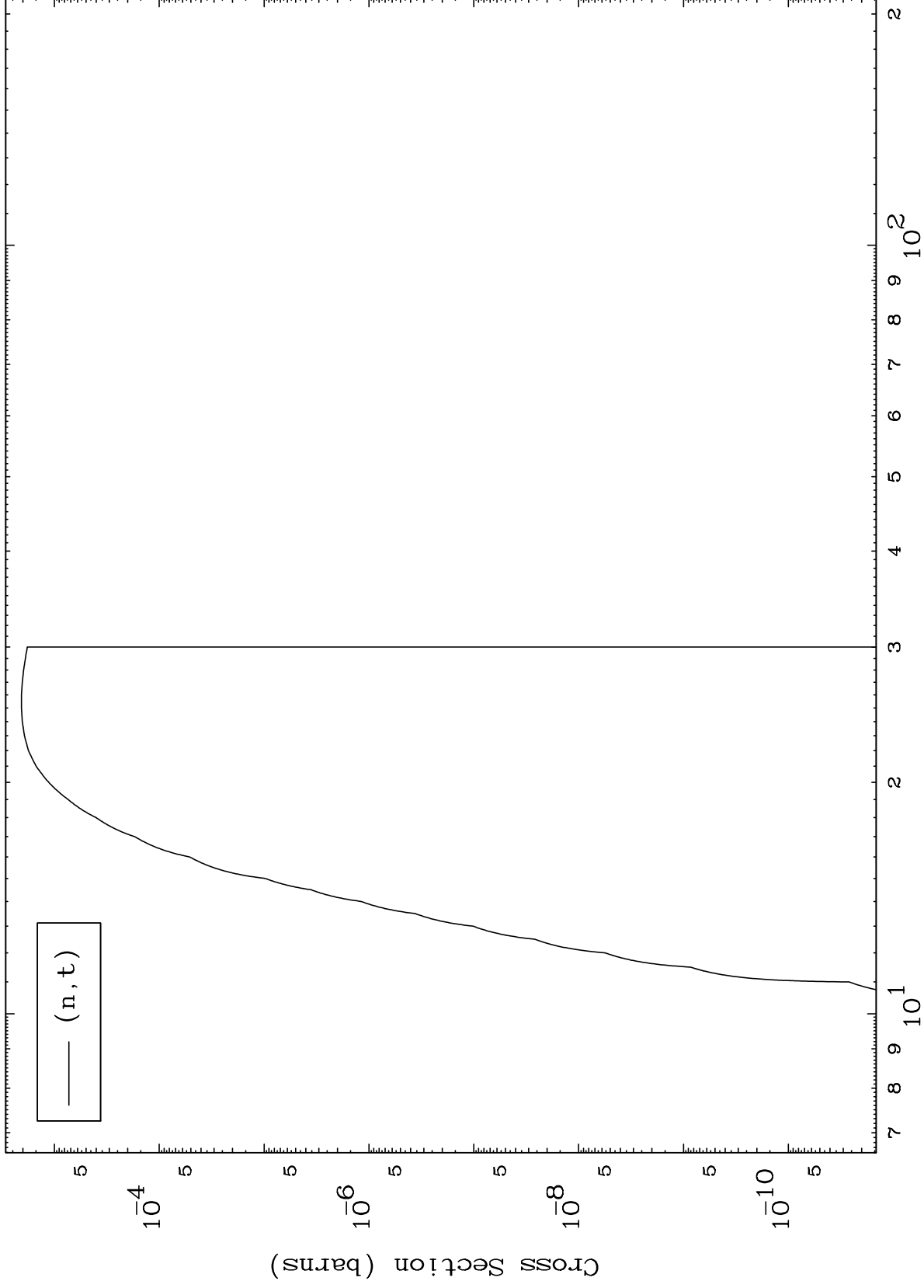
Incident Energy (MeV)

58-Ce-149

MAT 5864

(n,t) Levels  
293 Kelvin Cross Sections

58-Ce-149



13

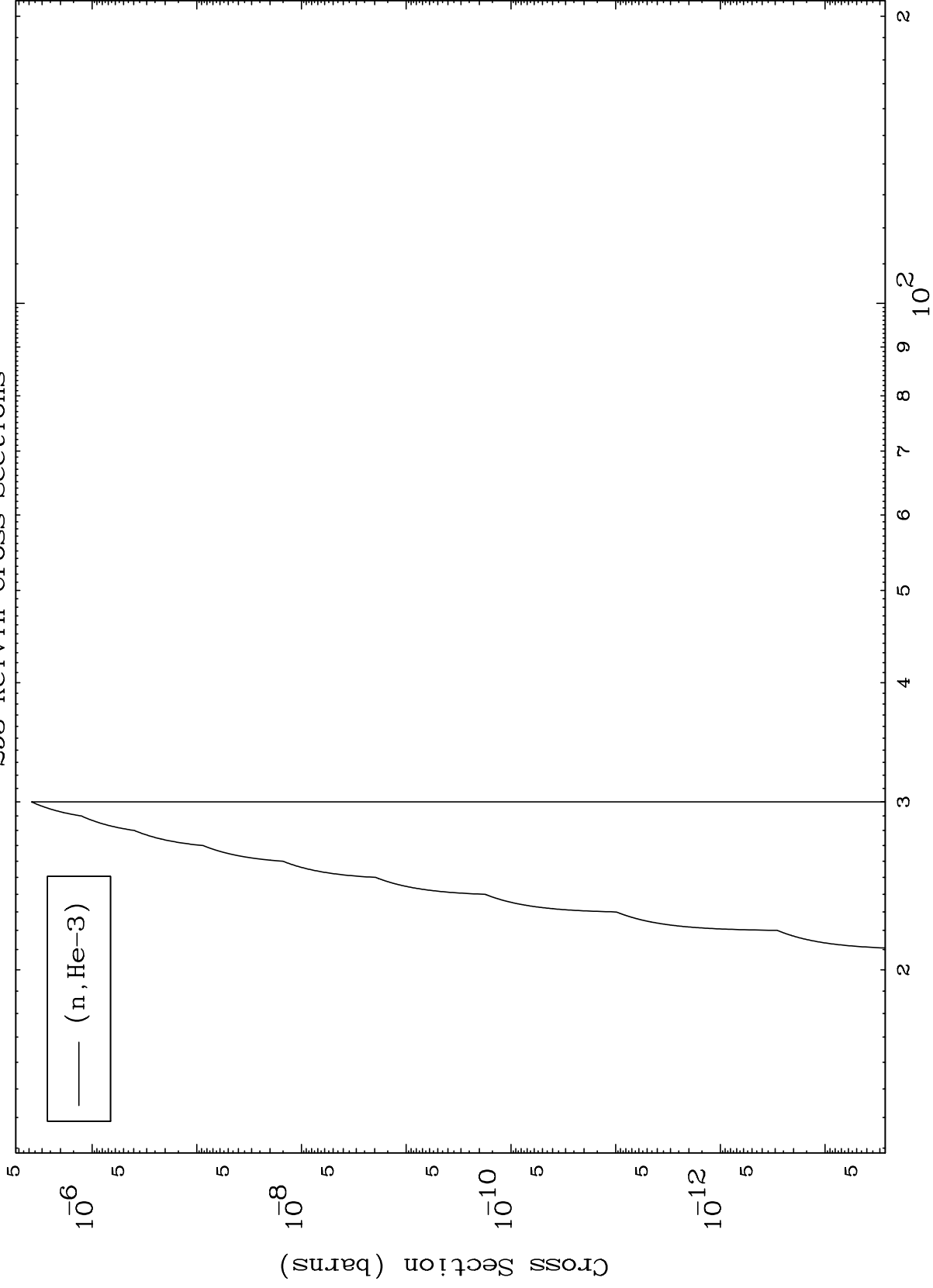
Incident Energy (MeV)

58-Ce-149

MAT 5864

(n,He3) Levels  
293 Kelvin Cross Sections

58-Ce-149



14

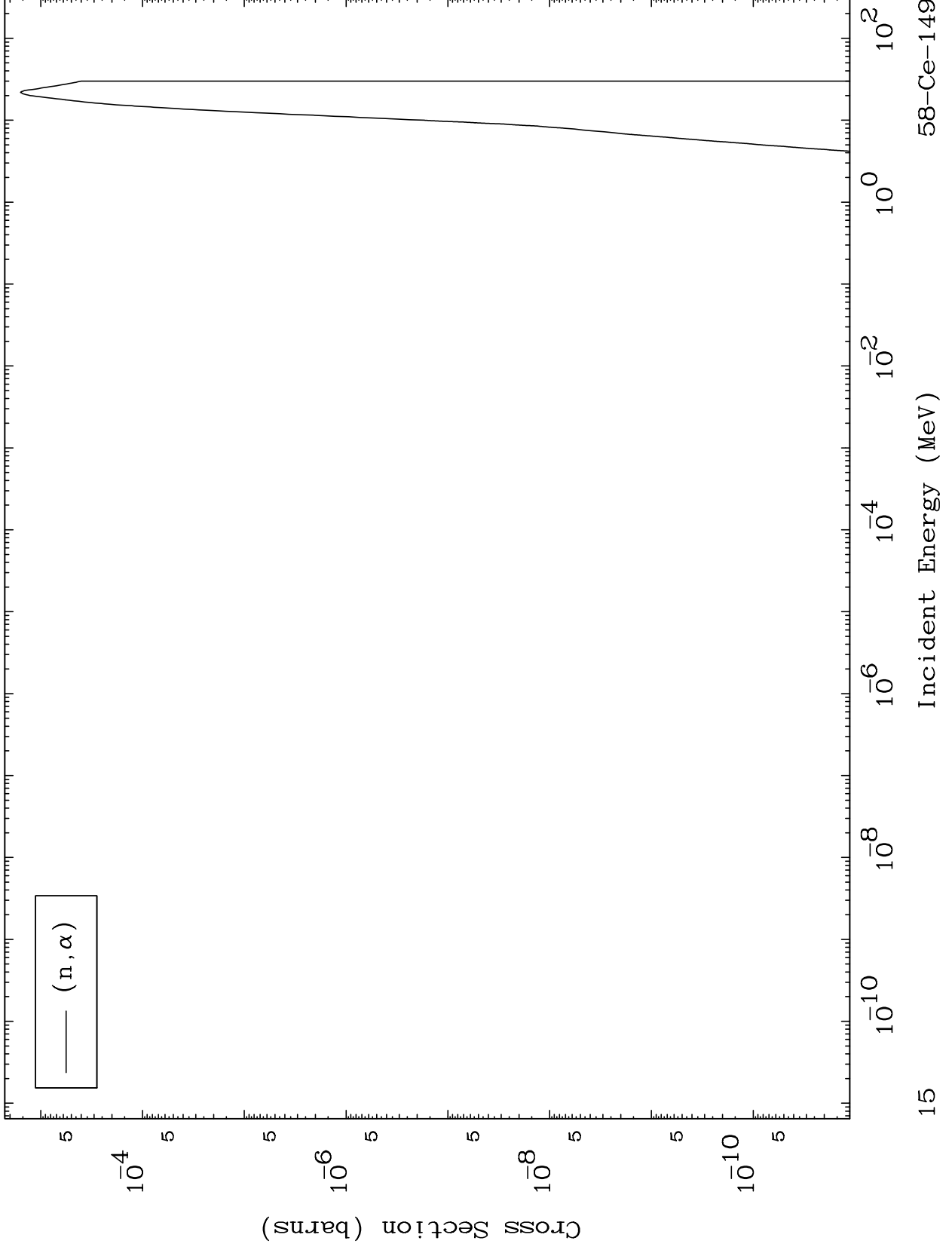
Incident Energy (MeV)

58-Ce-149

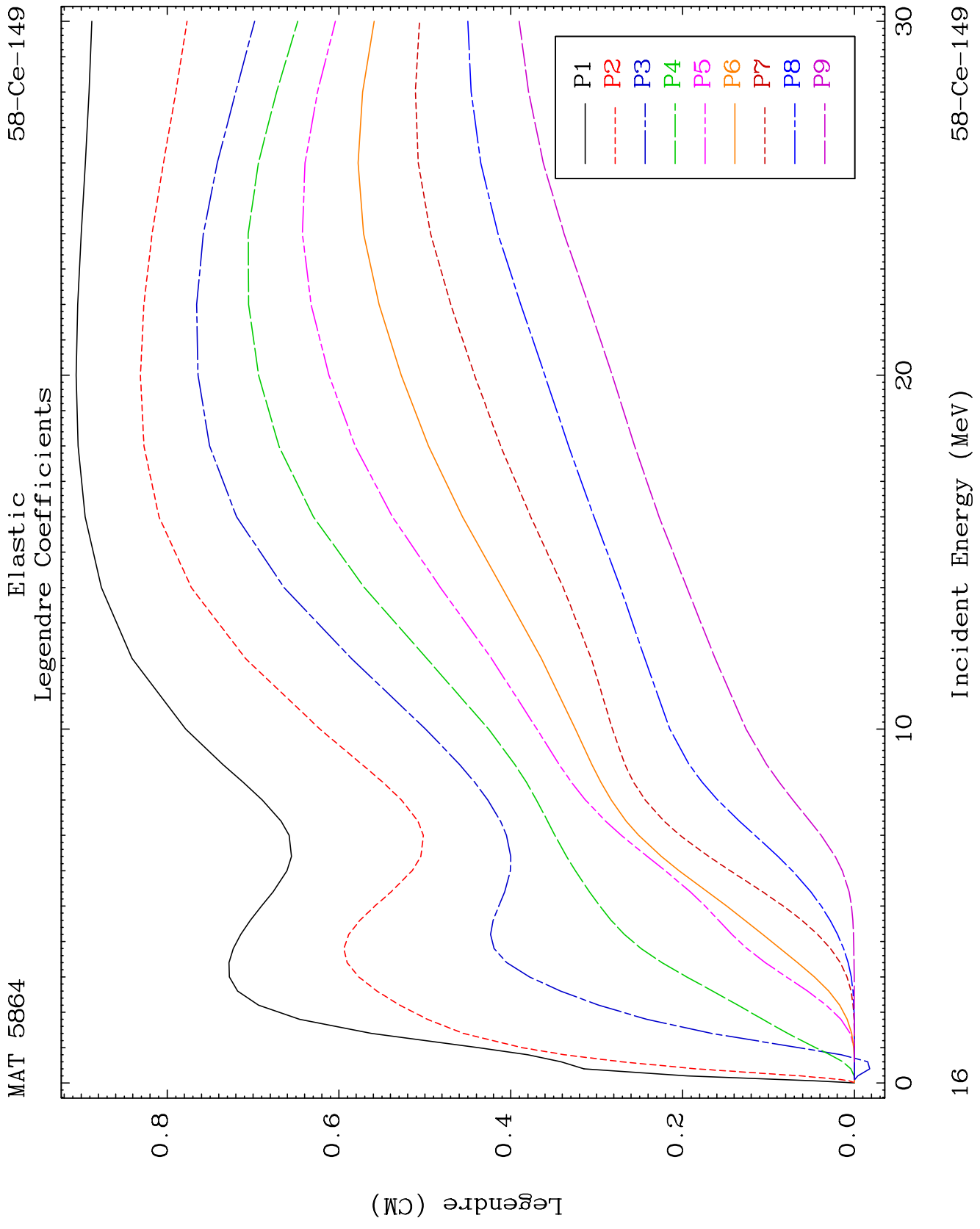
MAT 5864

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

58-Ce-149



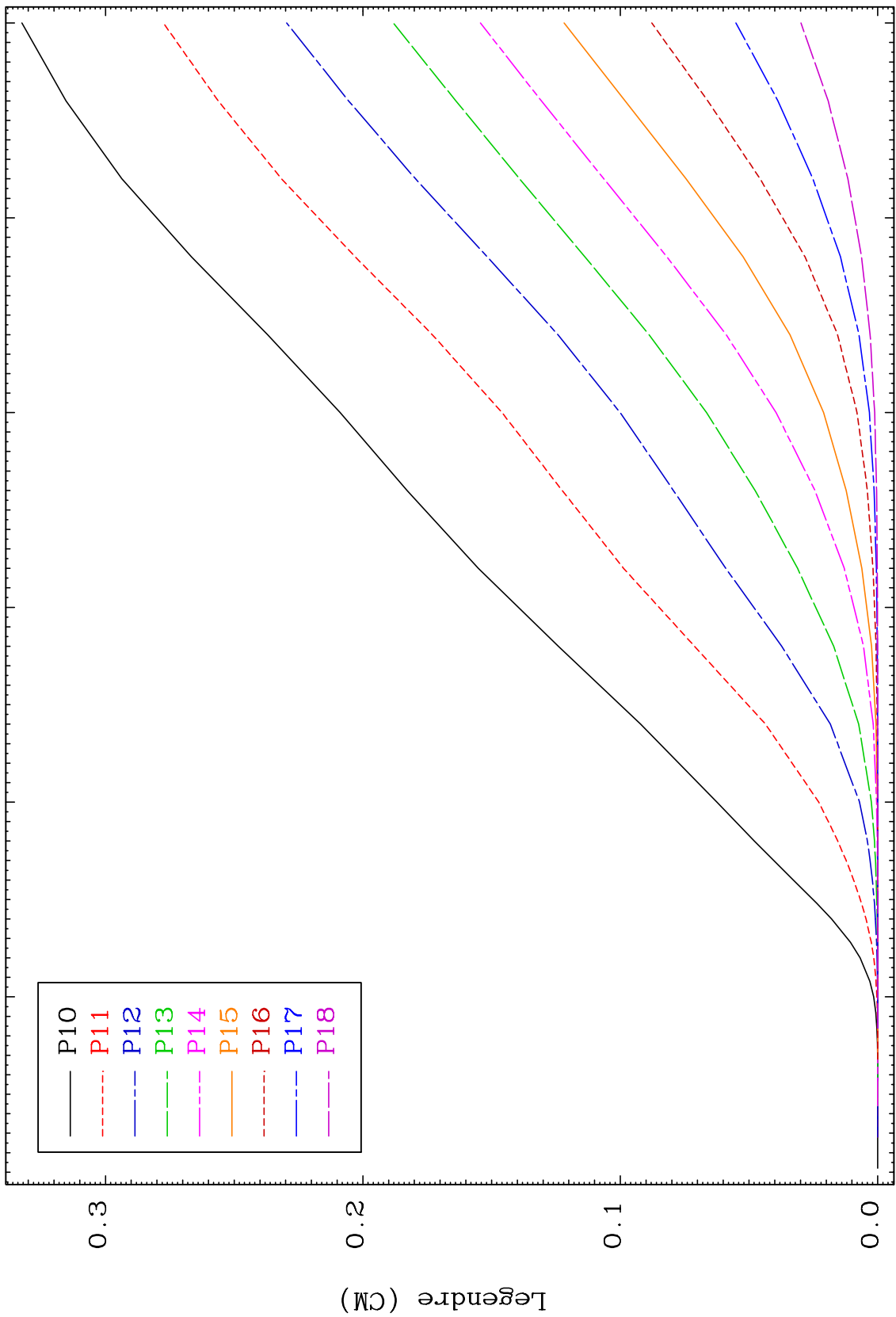




MAT 5864

Elastic Legendre Coefficients

58-Ce-149



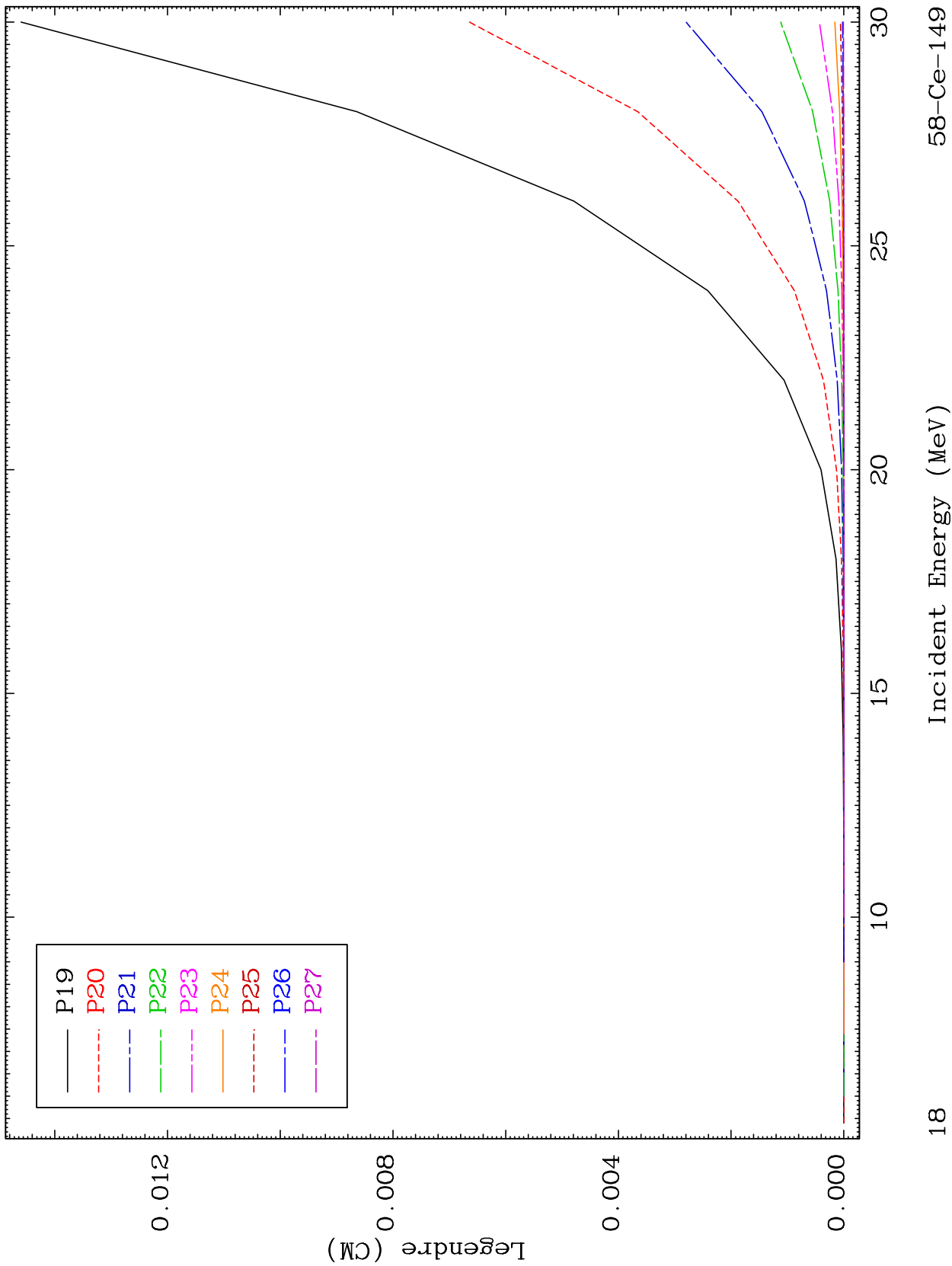
17

58-Ce-149

MAT 5864

### Elastic Legendre Coefficients

58-Ce-149



18

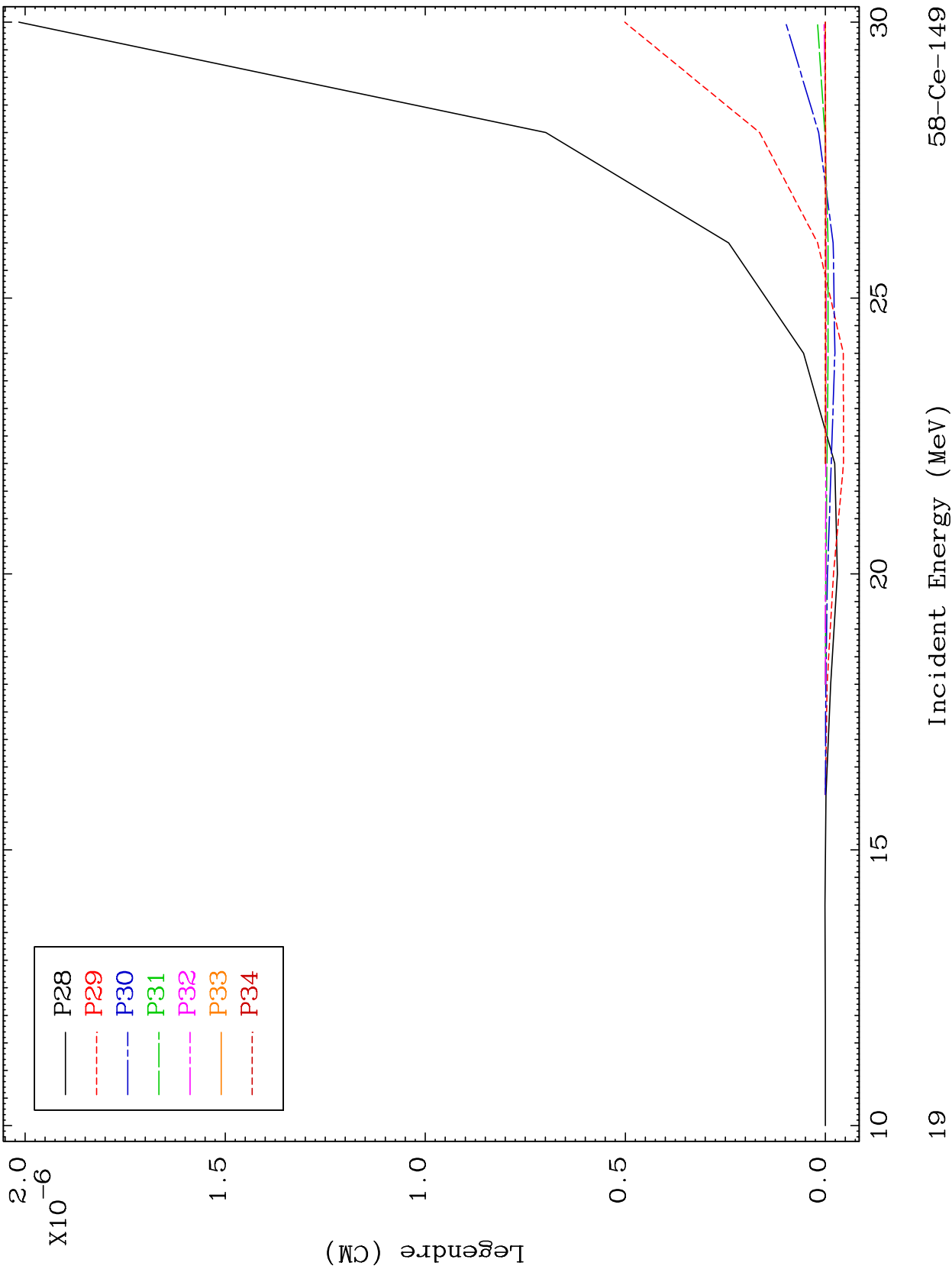
Incident Energy (MeV)

58-Ce-149

MAT 5864

Elastic Legendre Coefficients

58-Ce-149



19

Incident Energy (MeV)

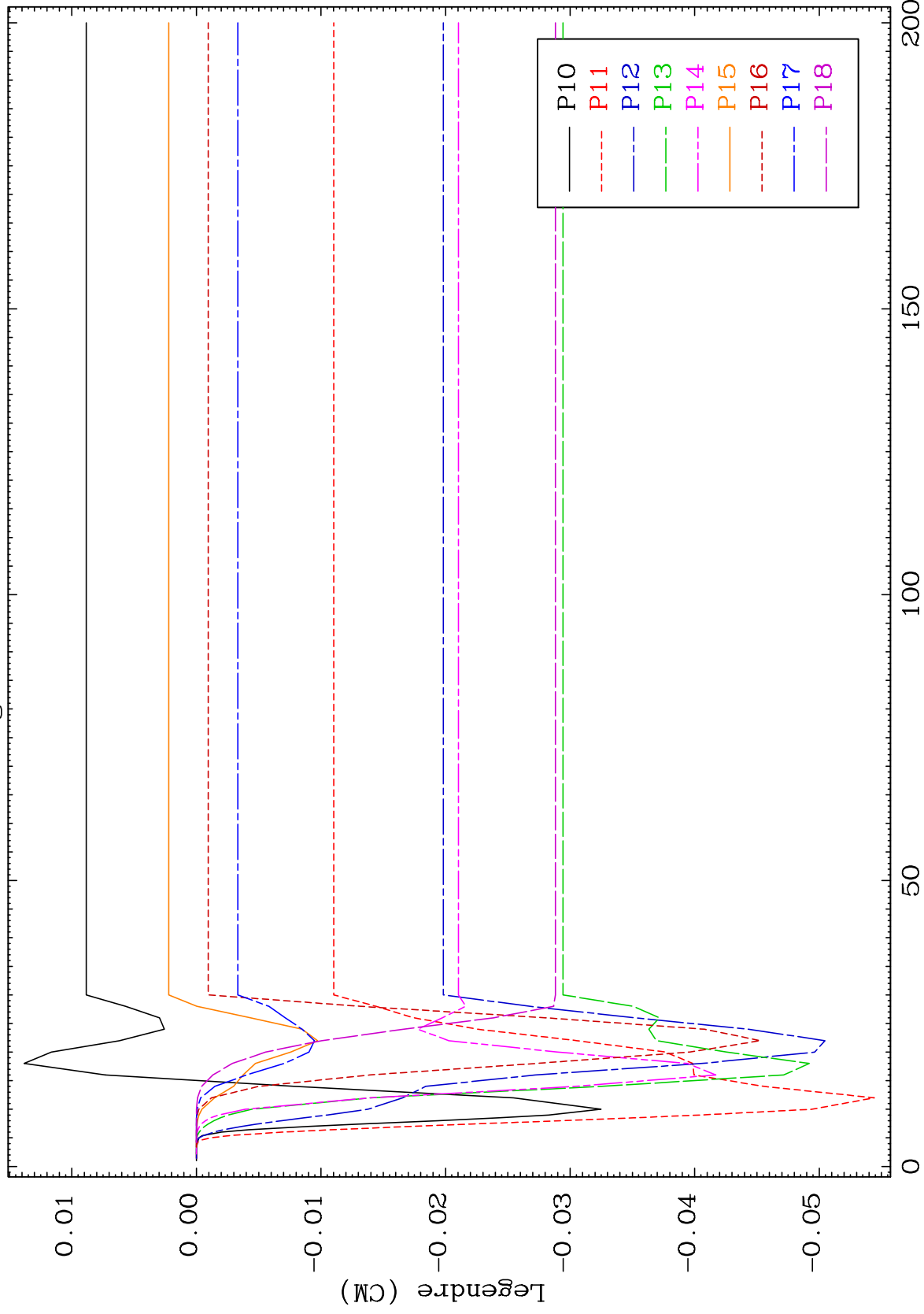
58-Ce-149



MAT 5864

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

58-Ce-149



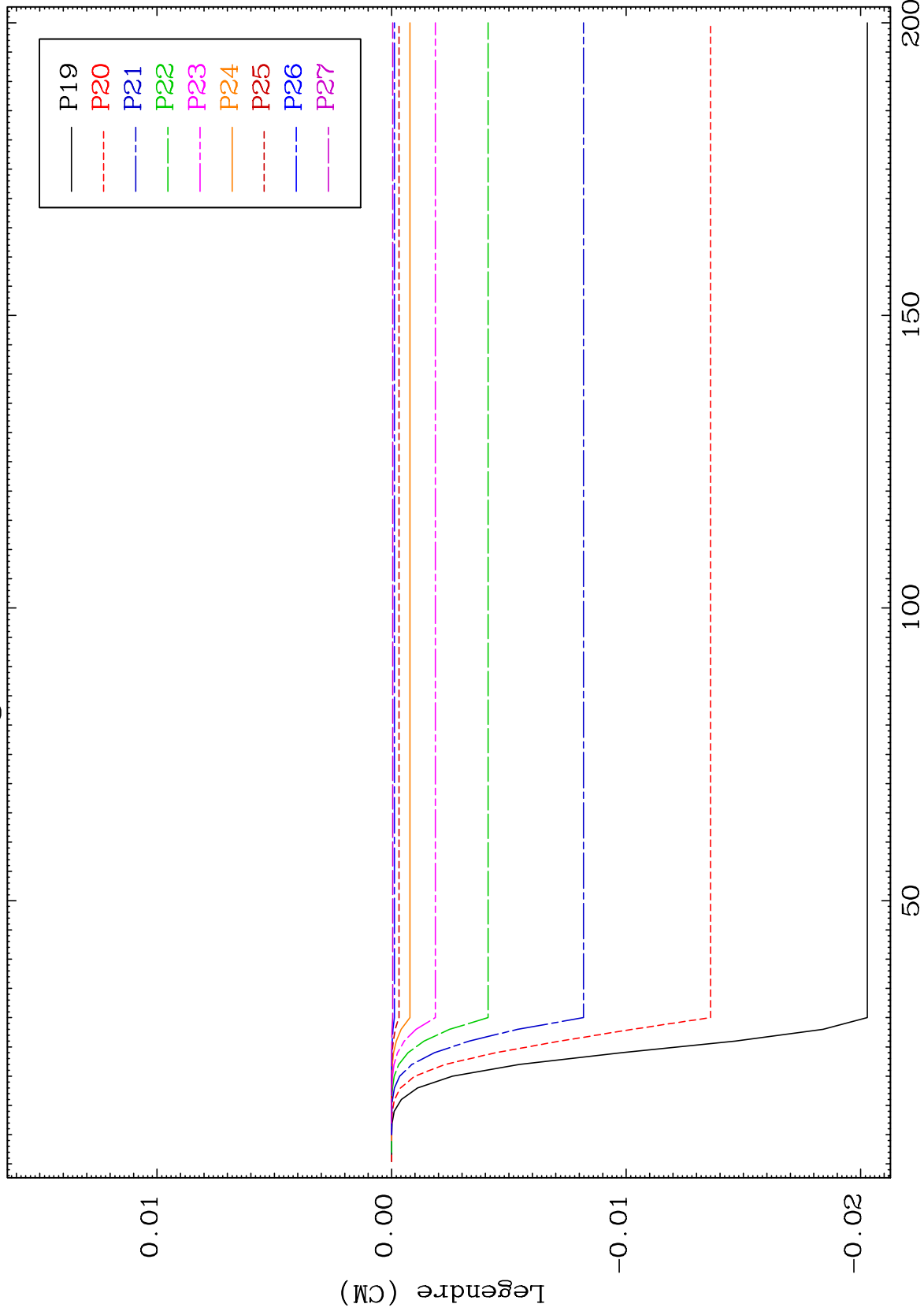
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58-Ce-149

MAT 5864

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

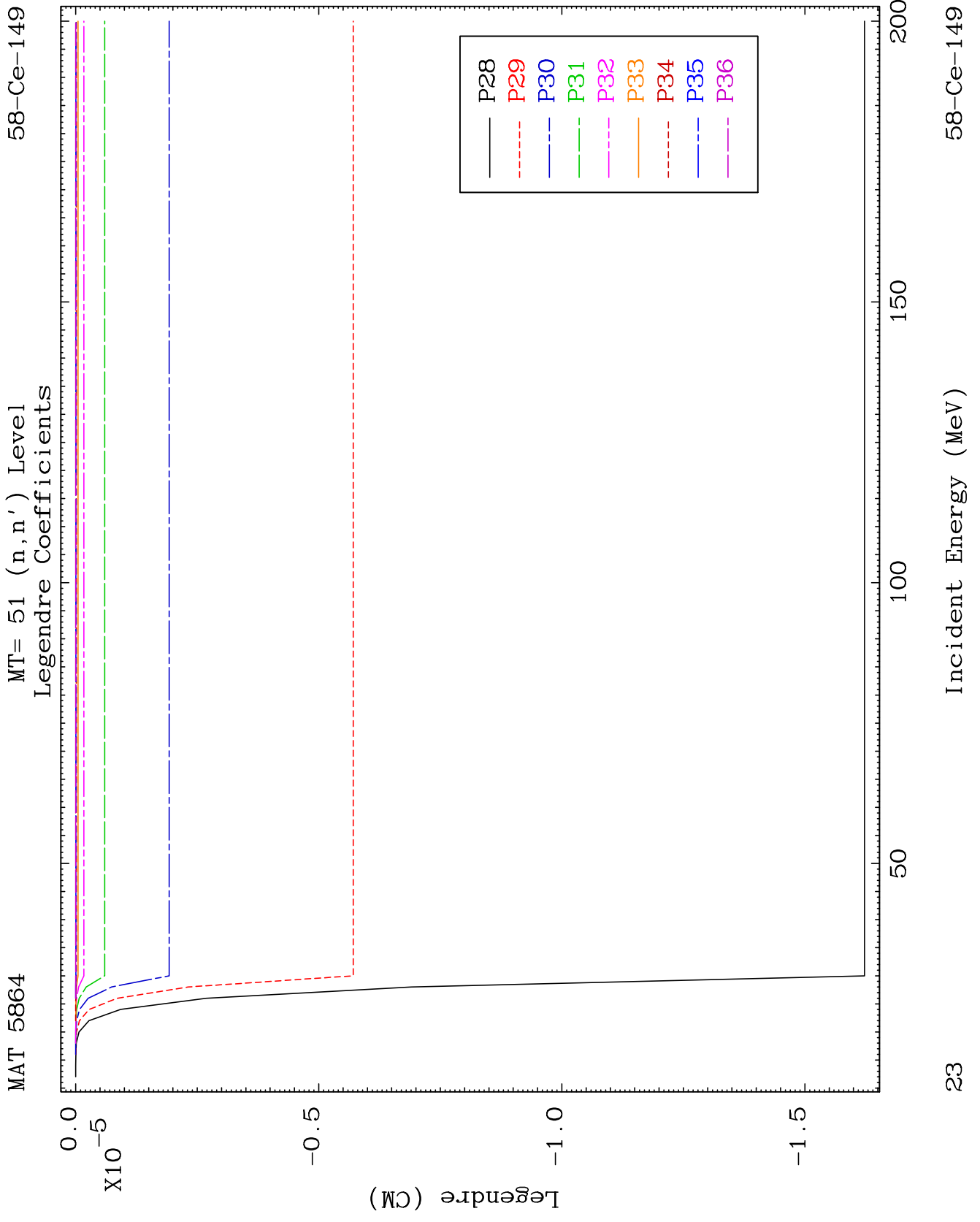
58-Ce-149



22

Incident Energy (MeV)

58-Ce-149

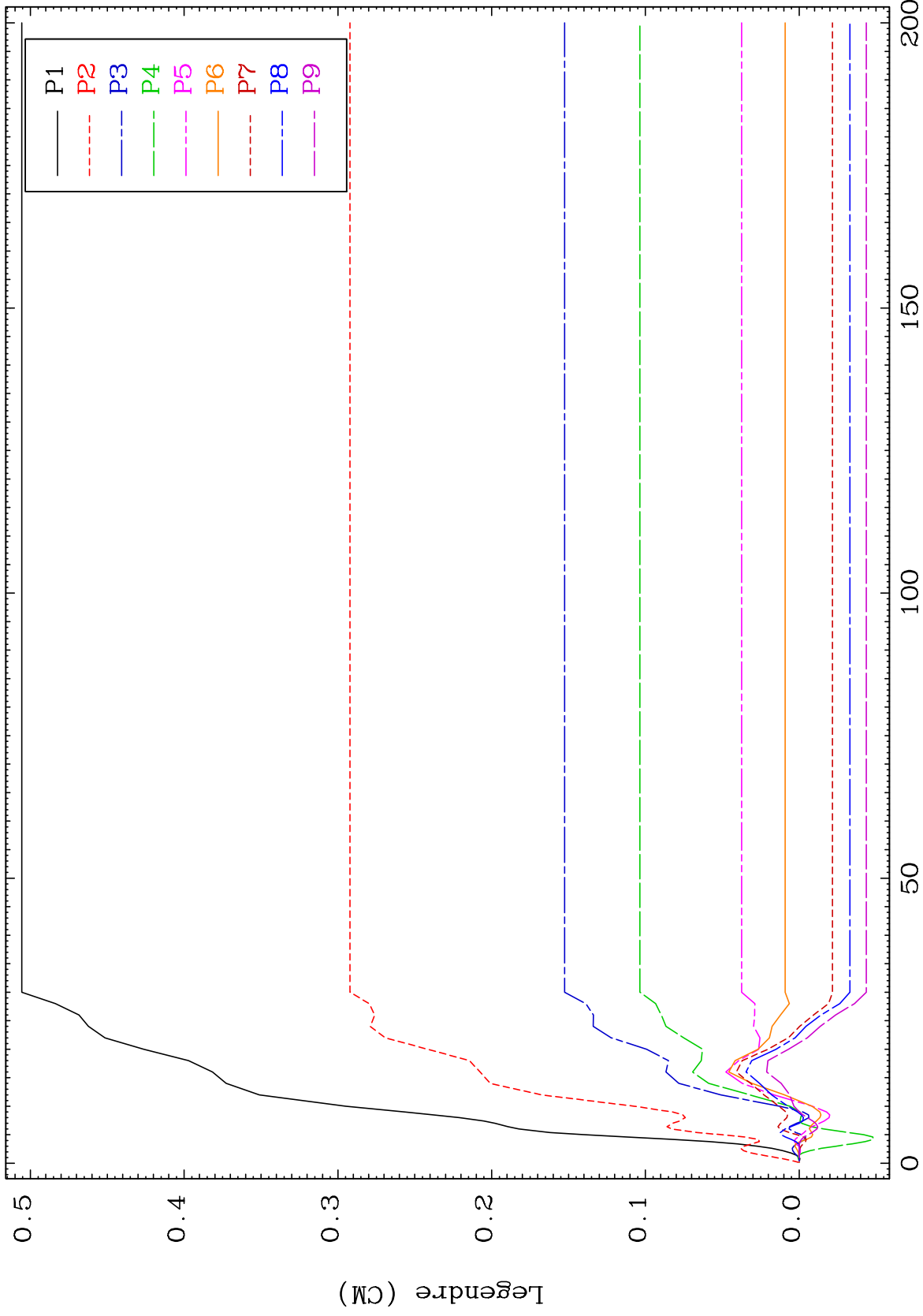




MAT 5864

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

58-Ce-149



24

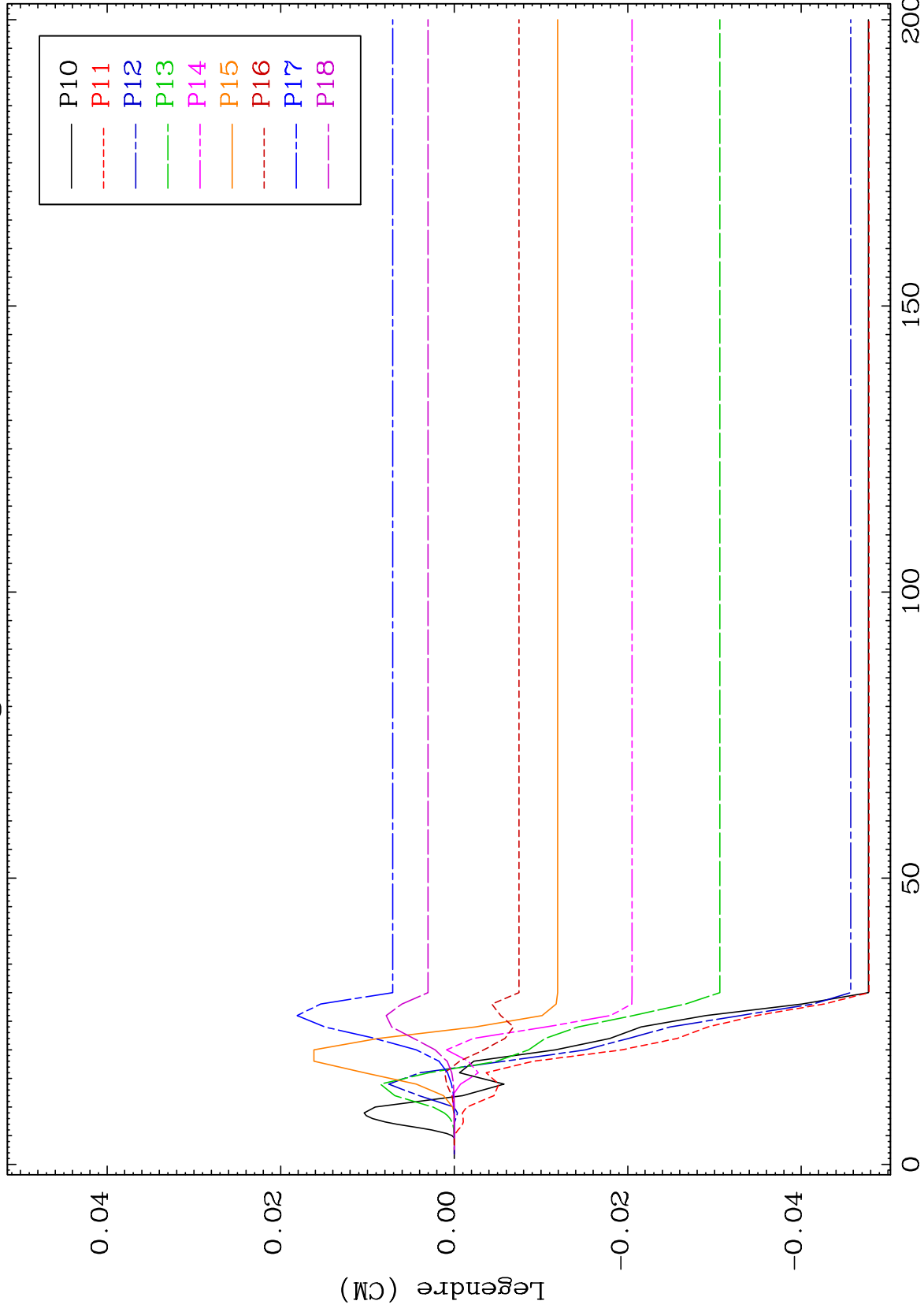
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



58-Ce-149

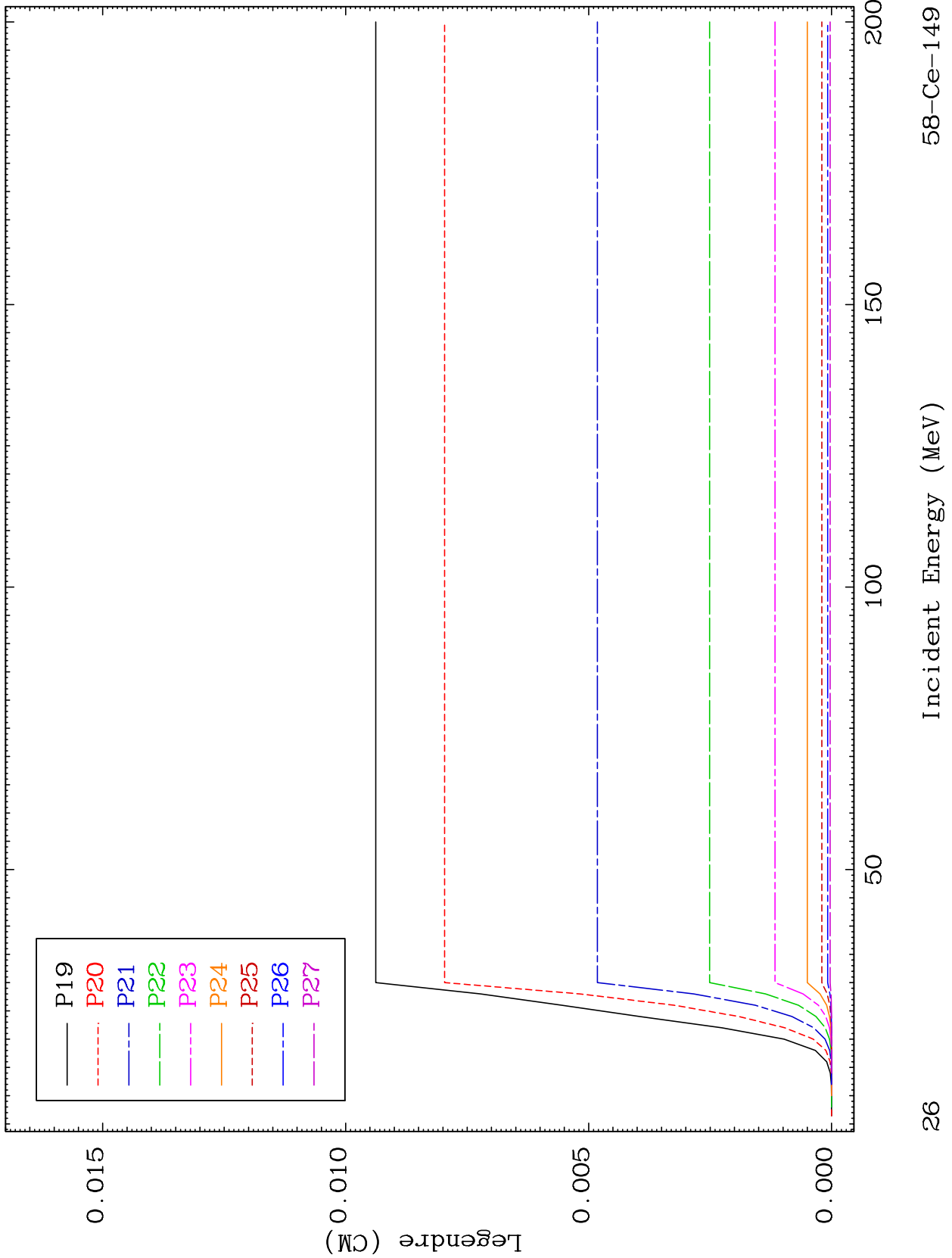
Incident Energy (MeV)

25

MAT 5864

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

58-Ce-149



26

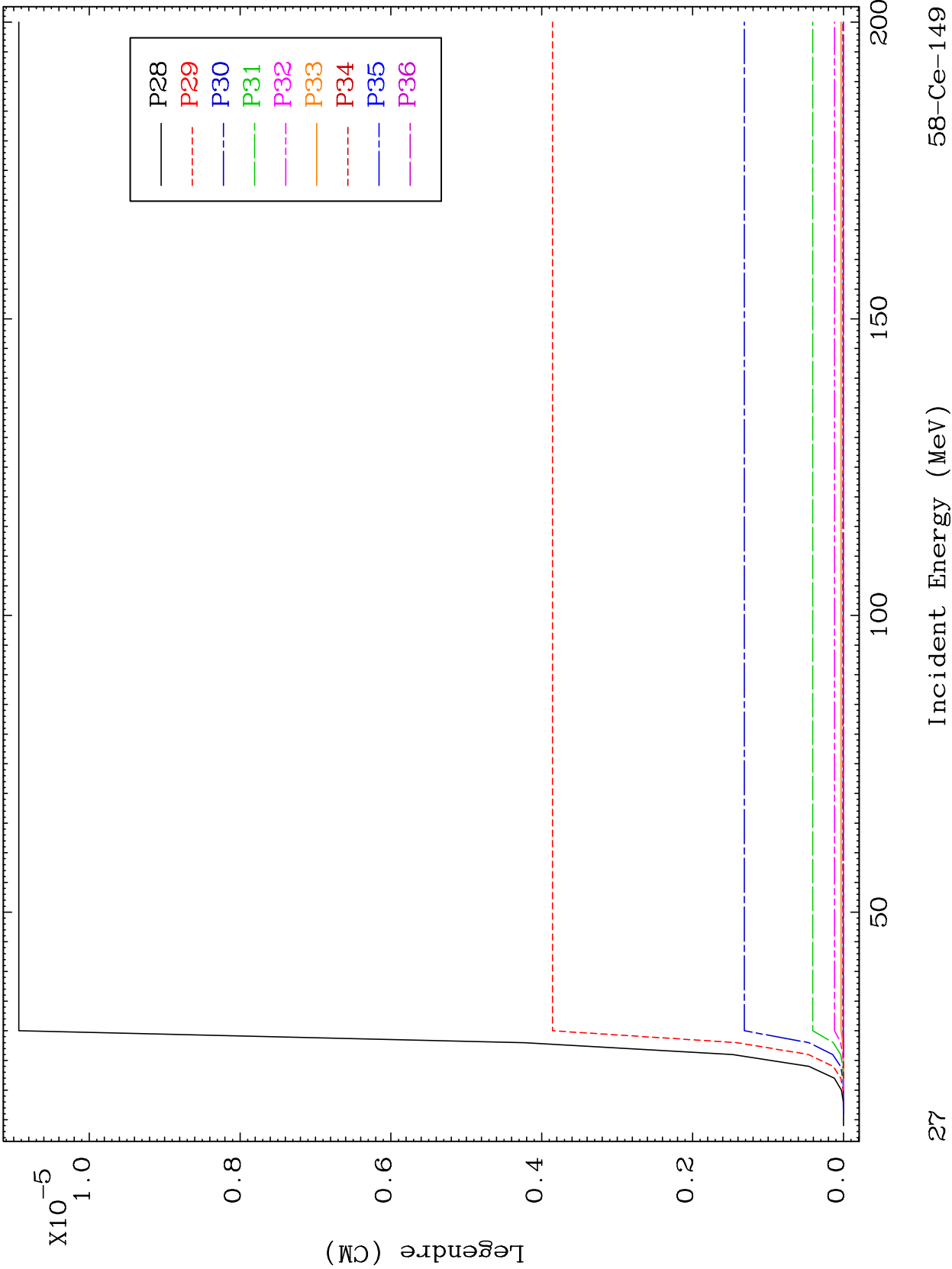
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

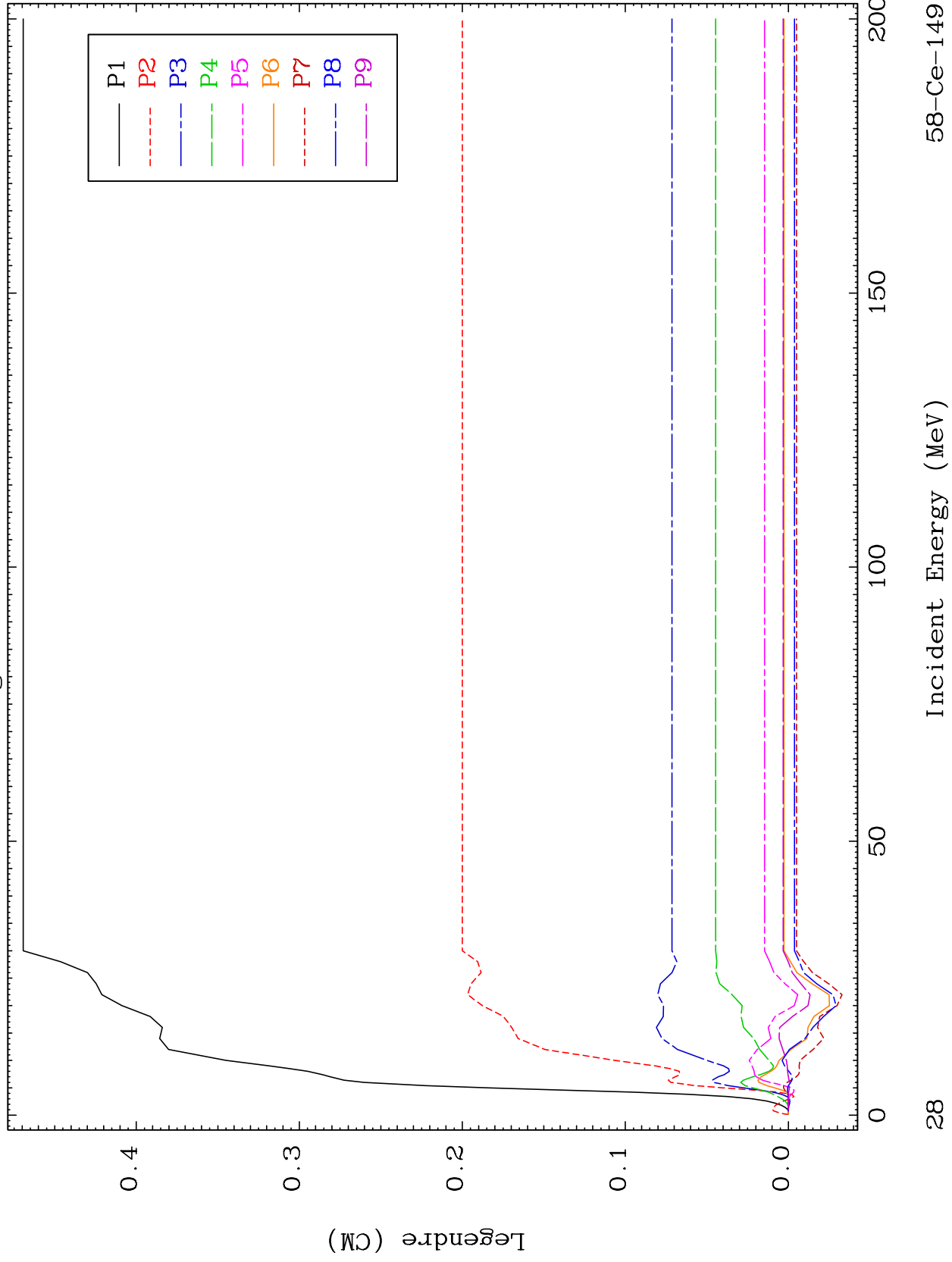
58-Ce-149



MAT 5864

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

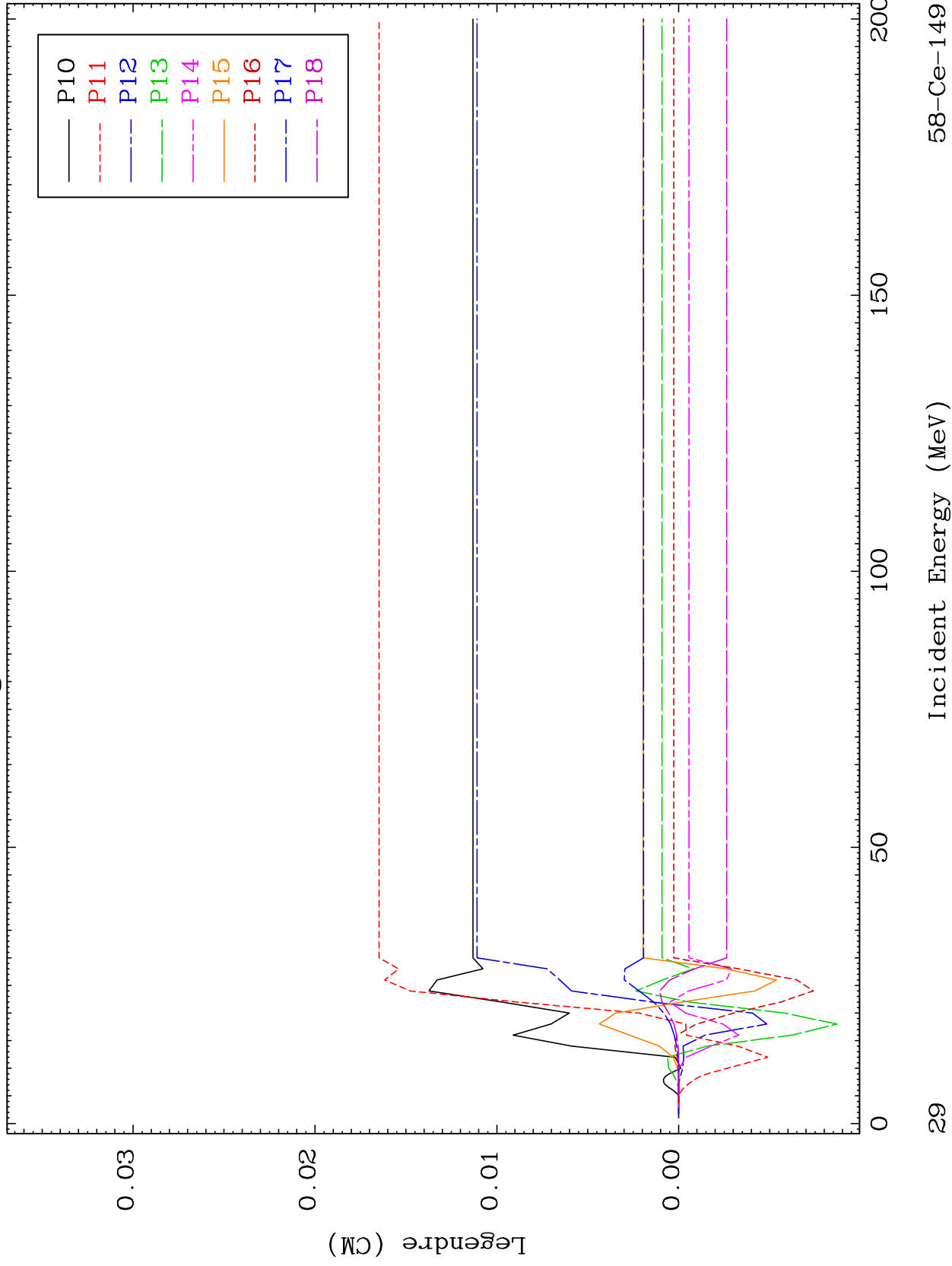
58-Ce-149



MAT 5864

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

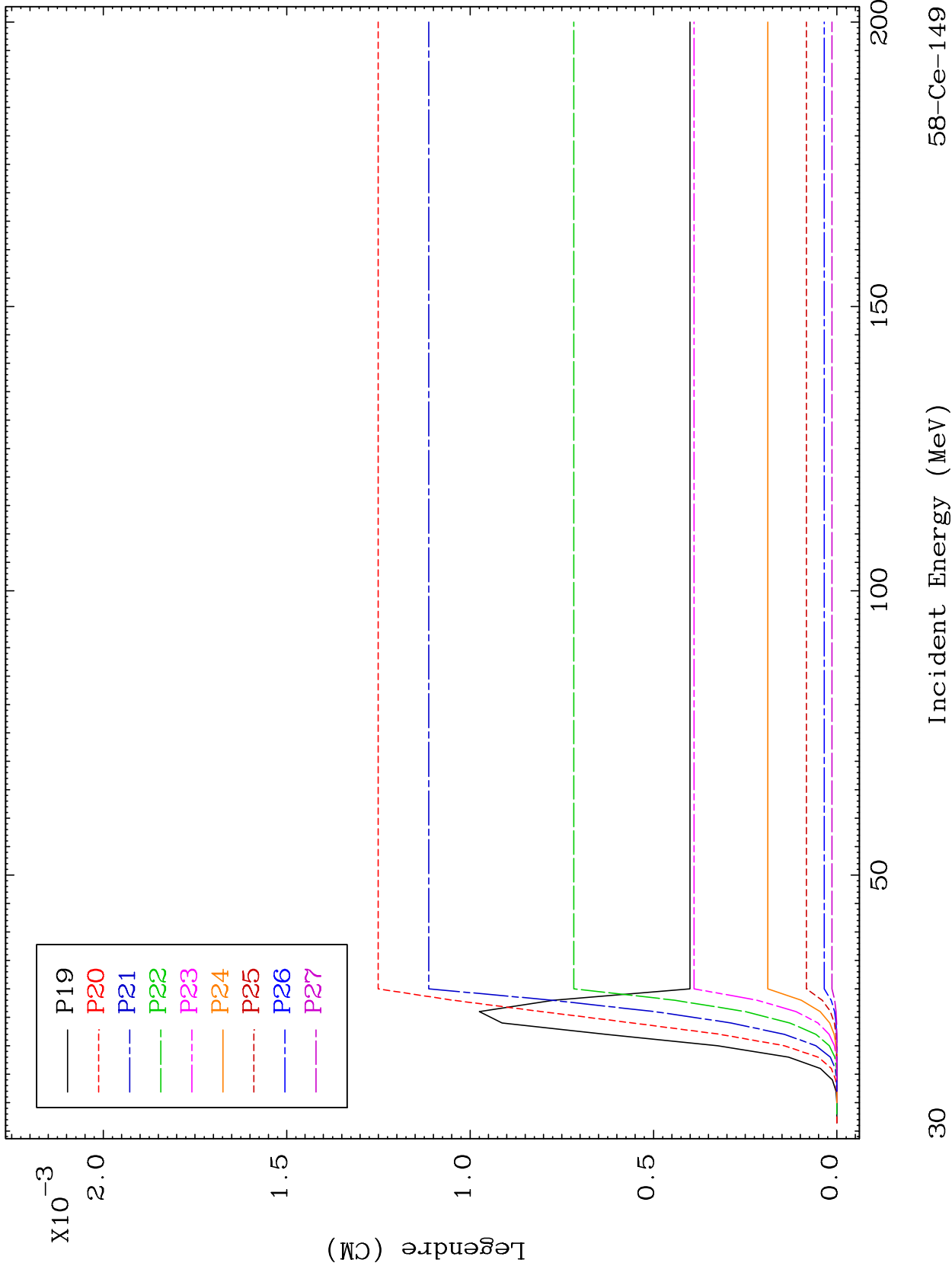
58-Ce-149



MAT 5864

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

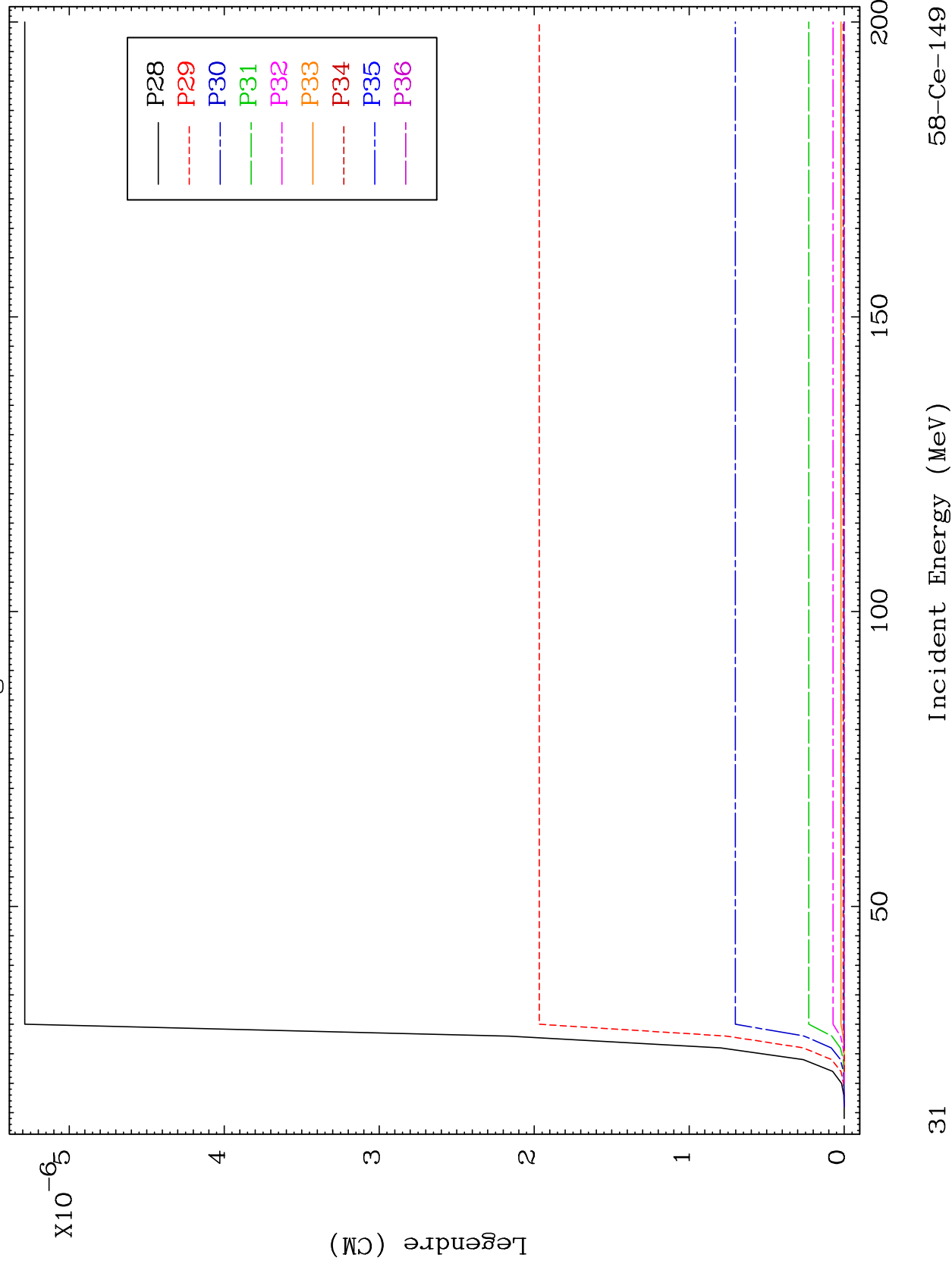
58-Ce-149



MAT 5864

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

58-Ce-149

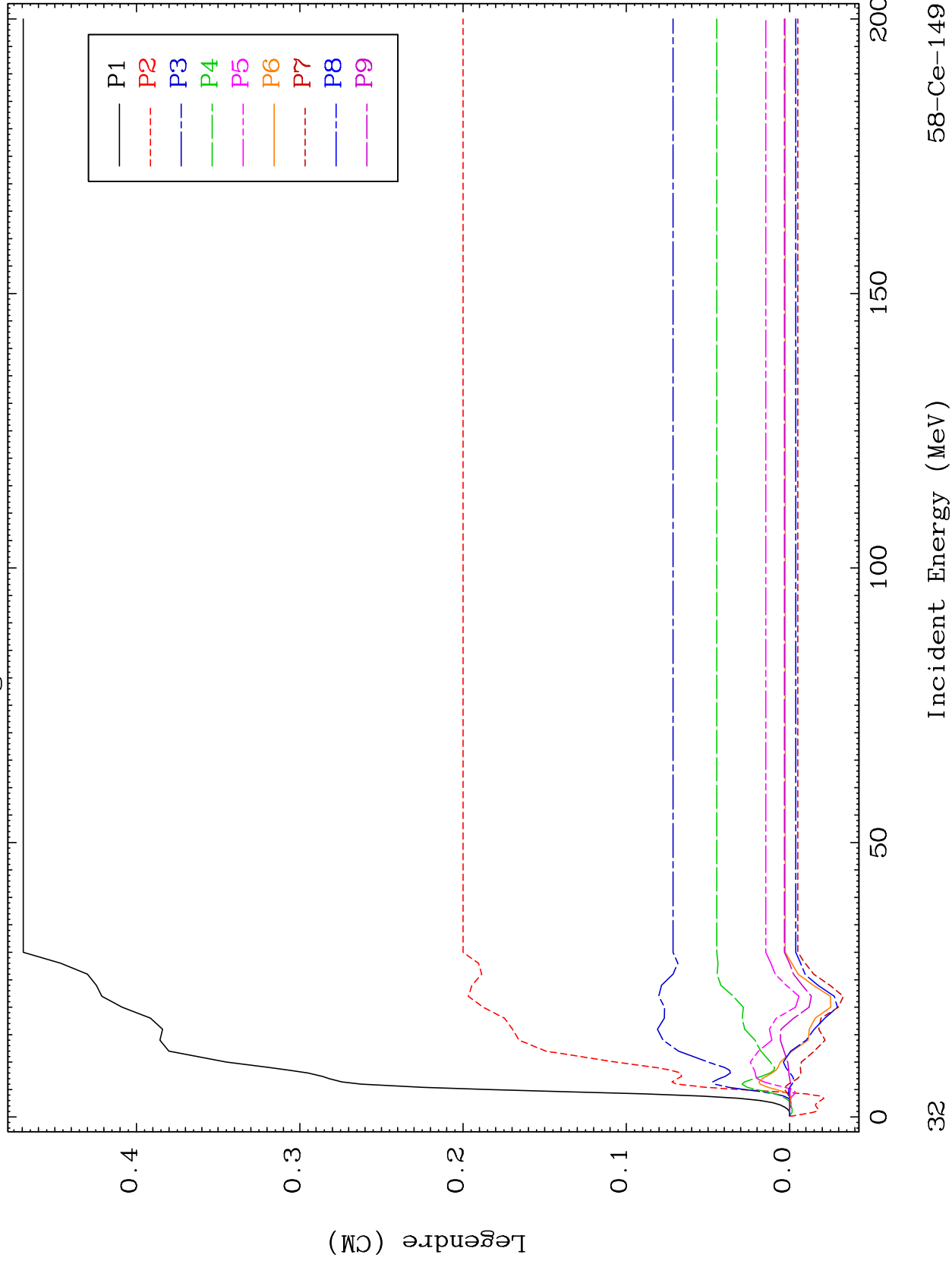




MAT 5864

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

58-Ce-149



58-Ce-149

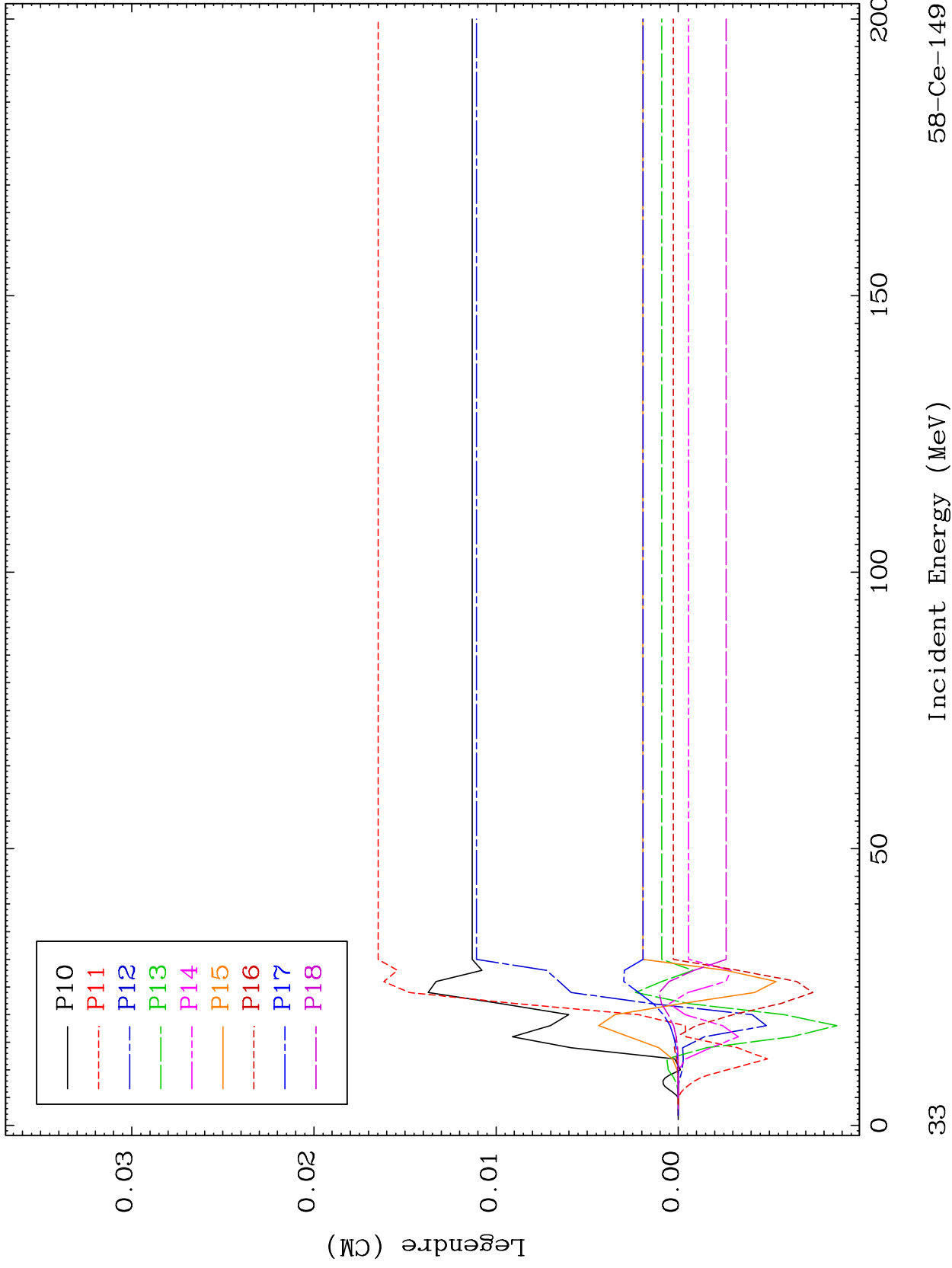
Incident Energy (MeV)

32

MAT 5864

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

58-Ce-149



33

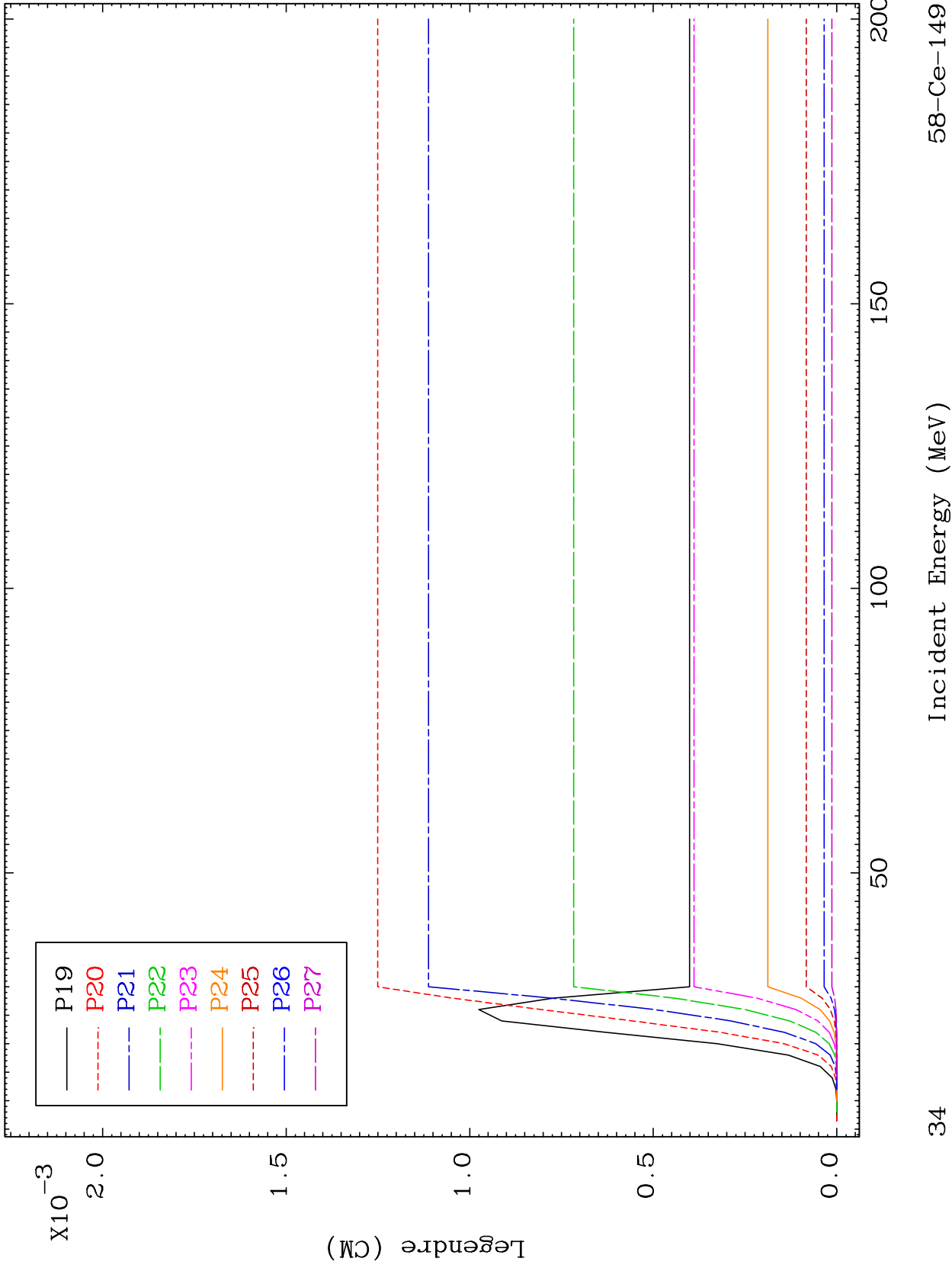
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

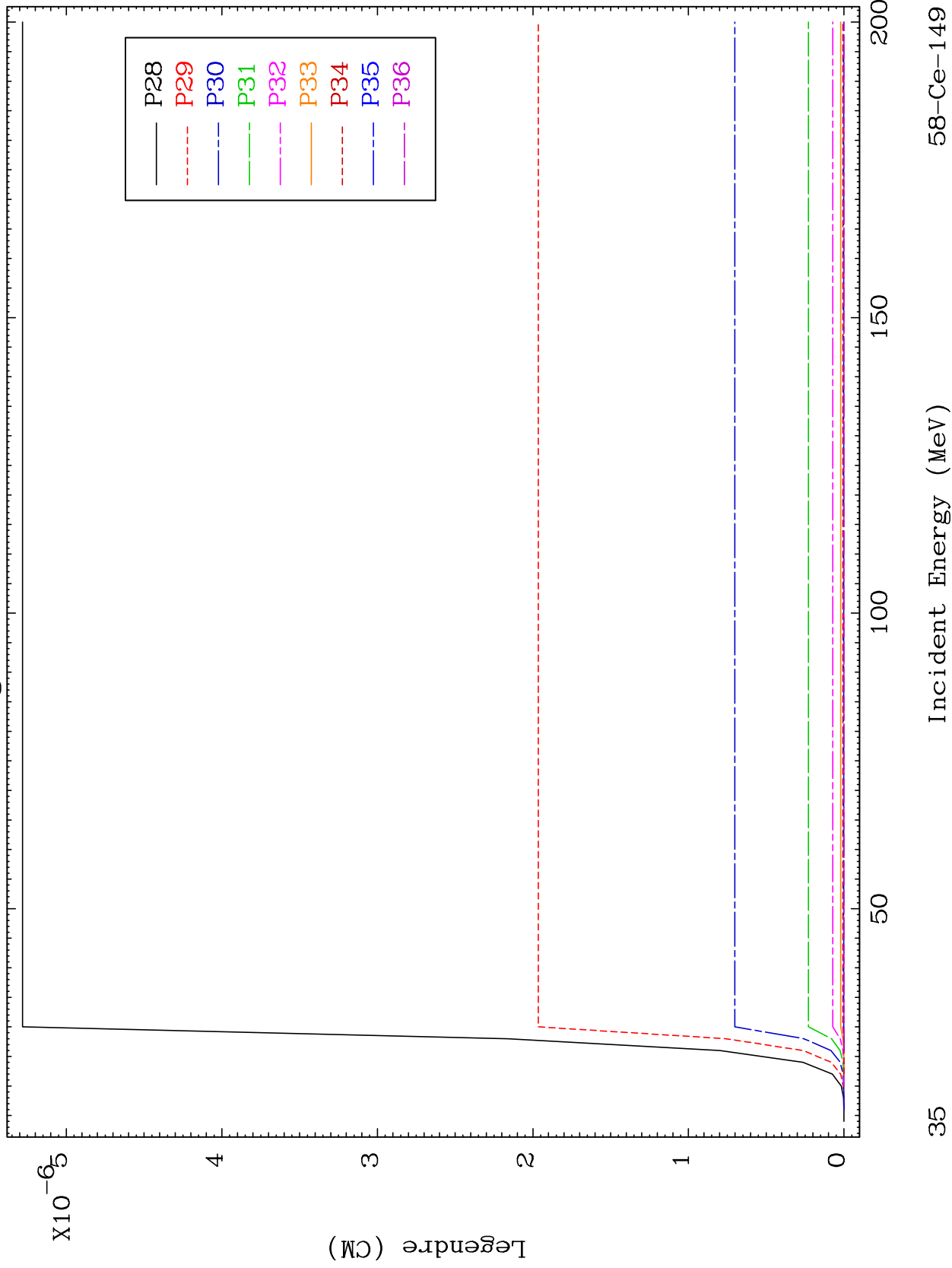
58-Ce-149



MAT 5864

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

58-Ce-149



35

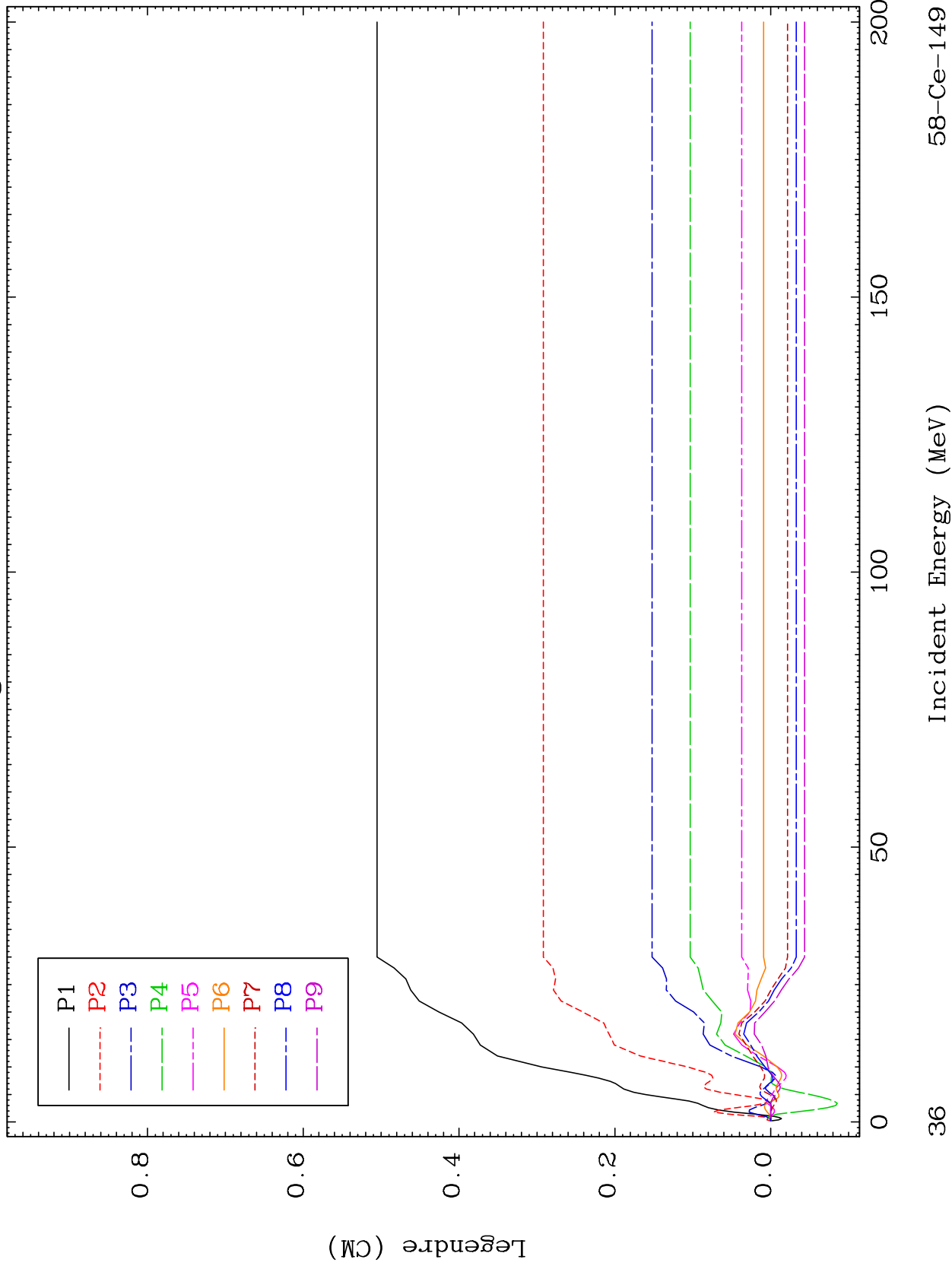
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



58-Ce-149

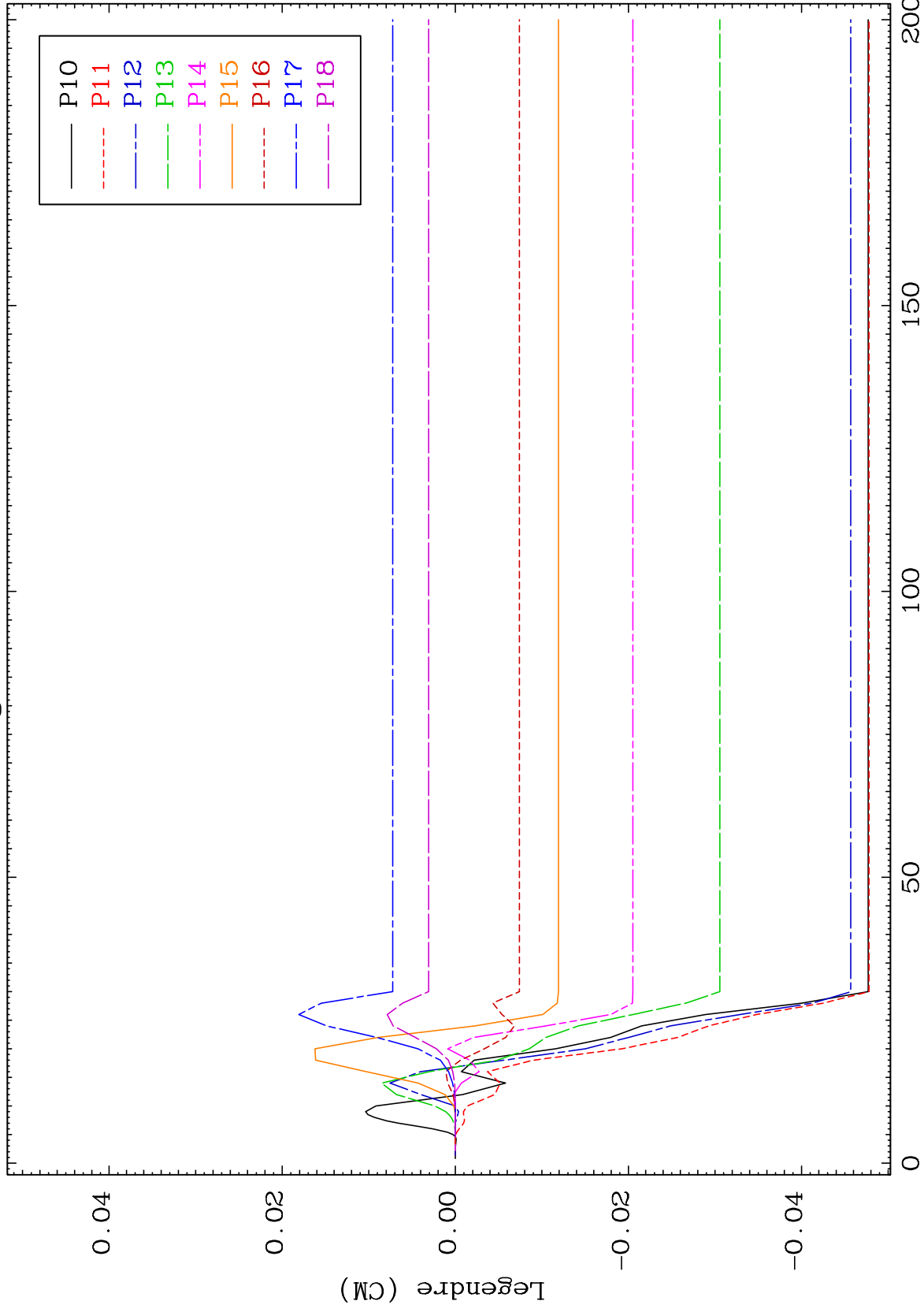
Incident Energy (MeV)

36

MAT 5864

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

58-Ce-149



37

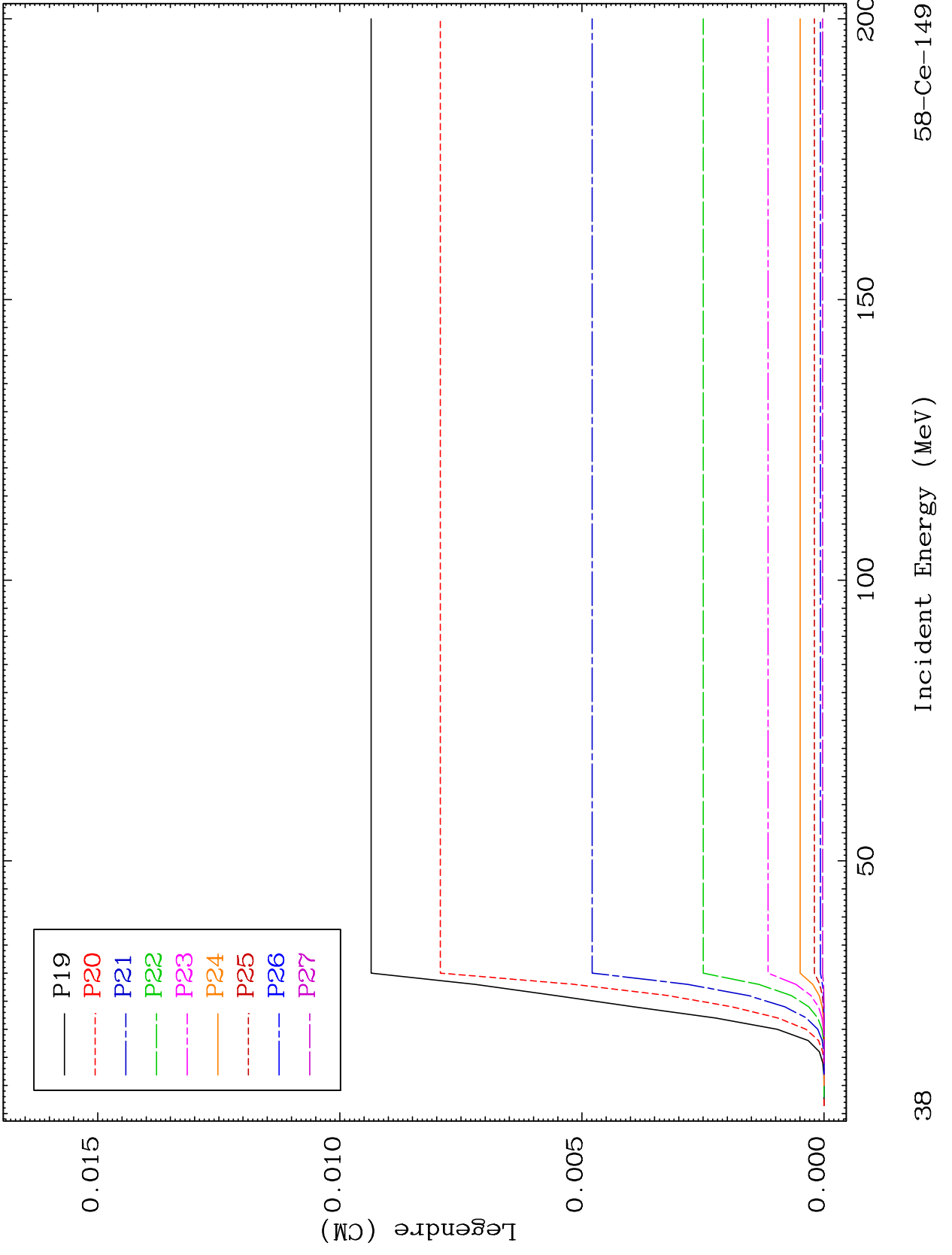
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



38

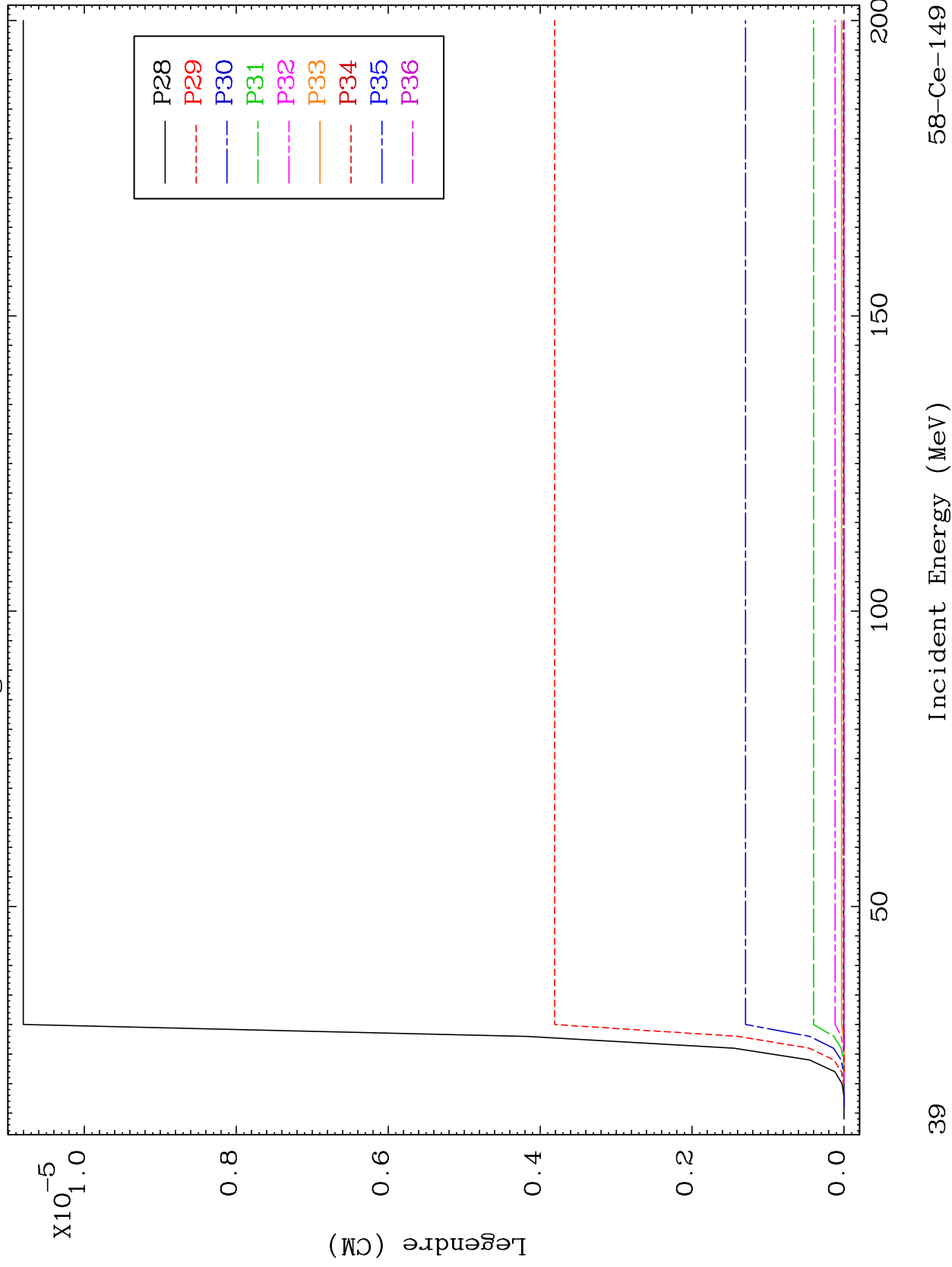
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



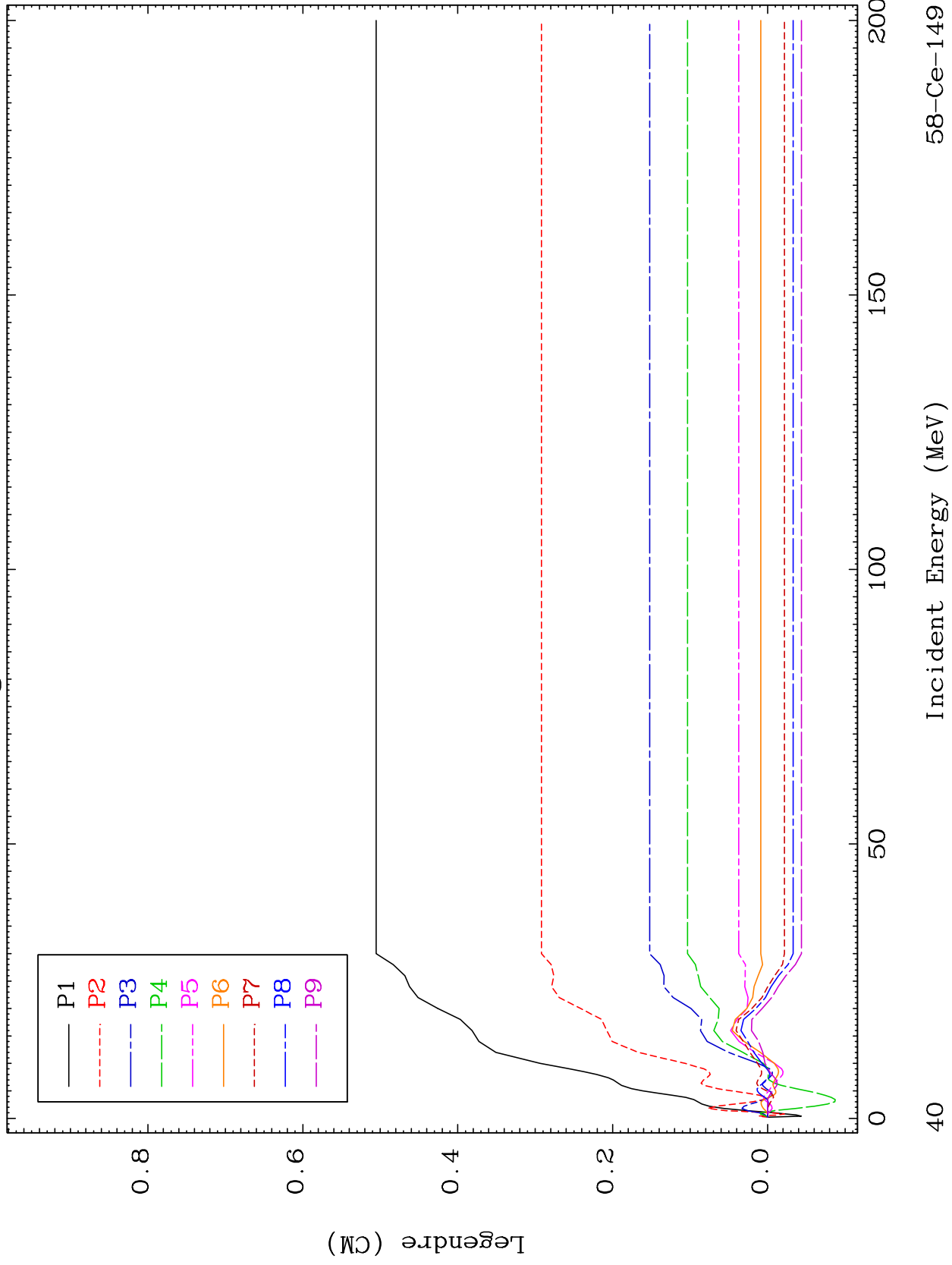
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MAT 5864

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

58-Ce-149



58-Ce-149

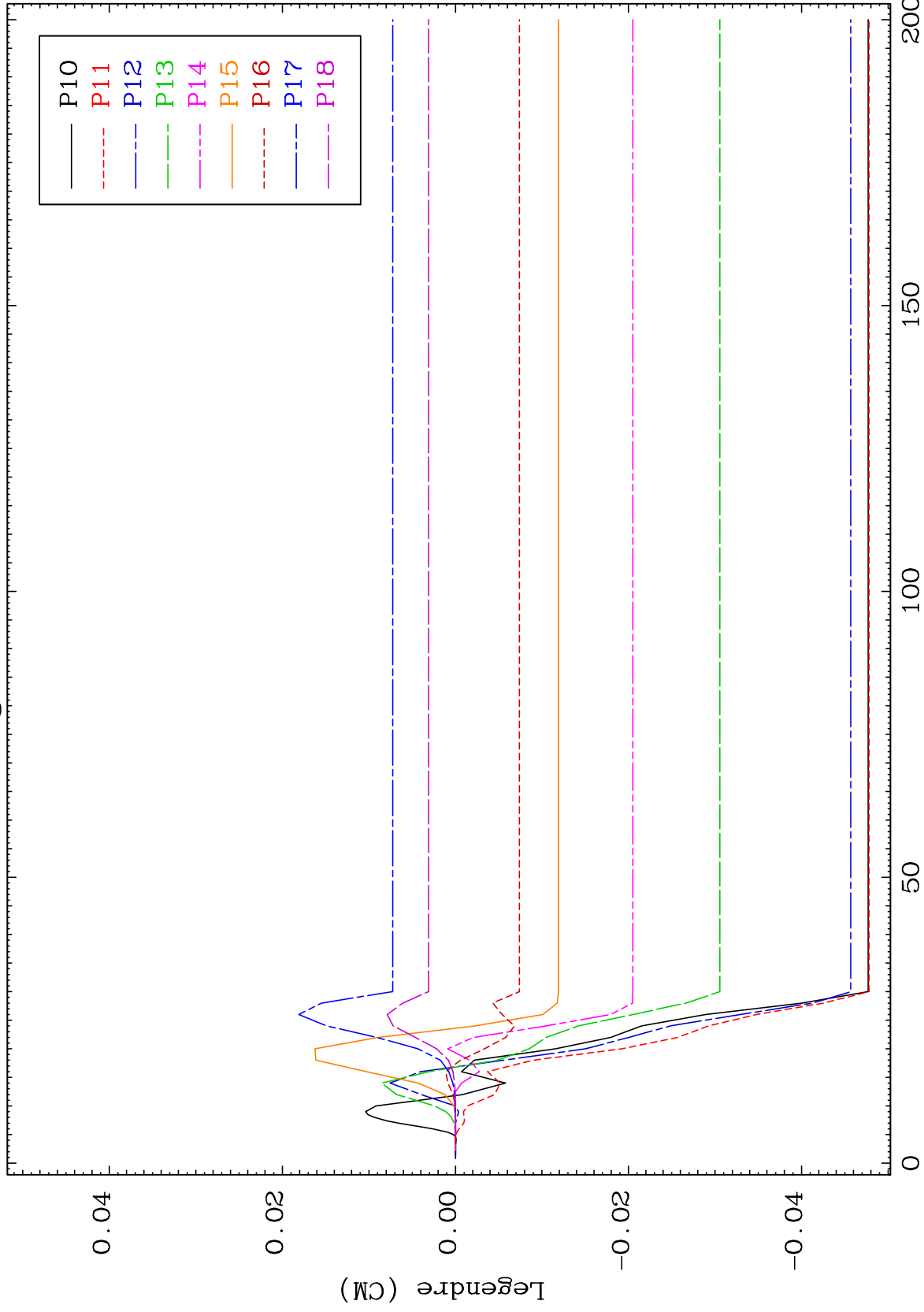
Incident Energy (MeV)

40

MAT 5864

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

58-Ce-149



41

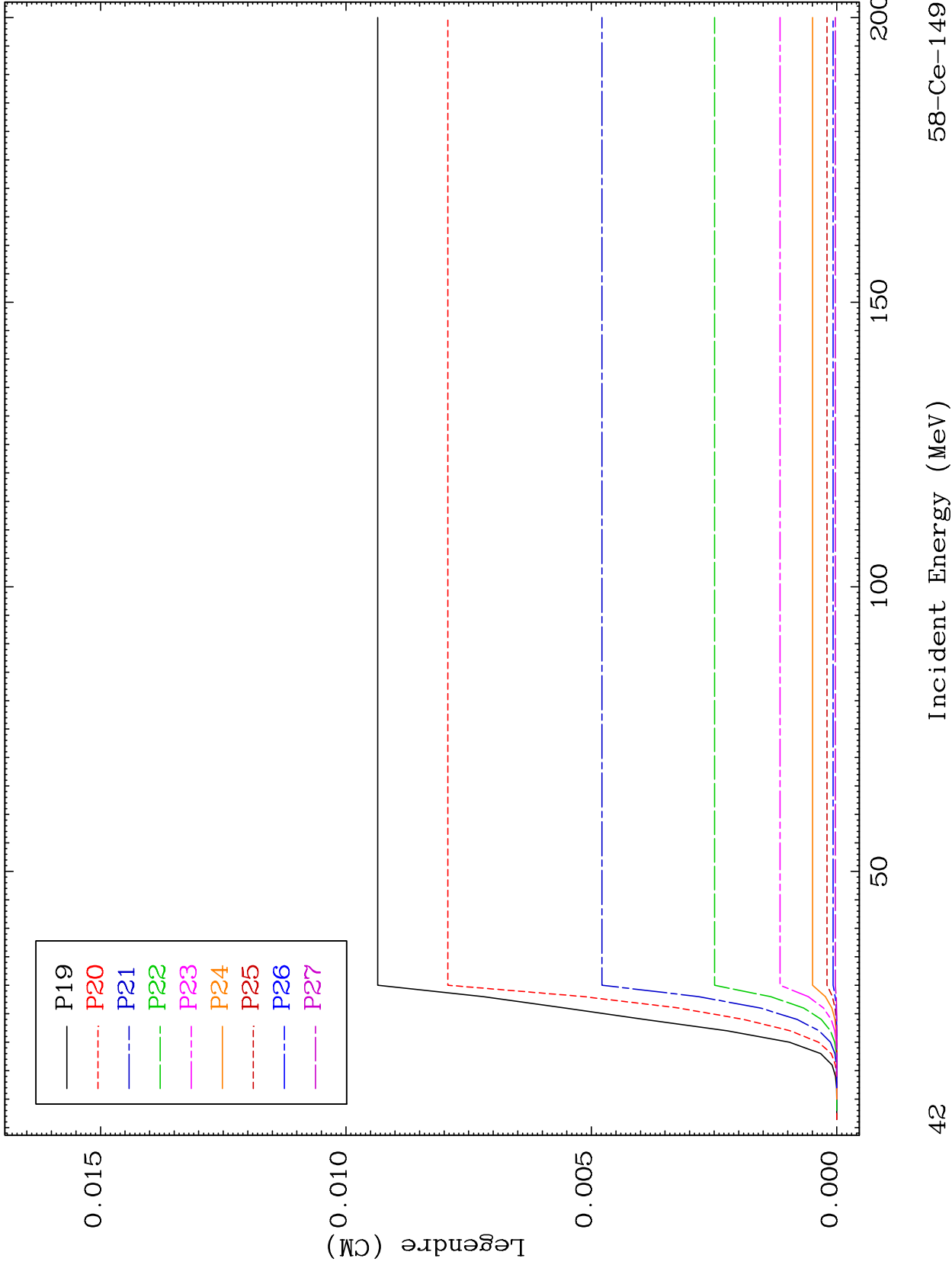
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



42

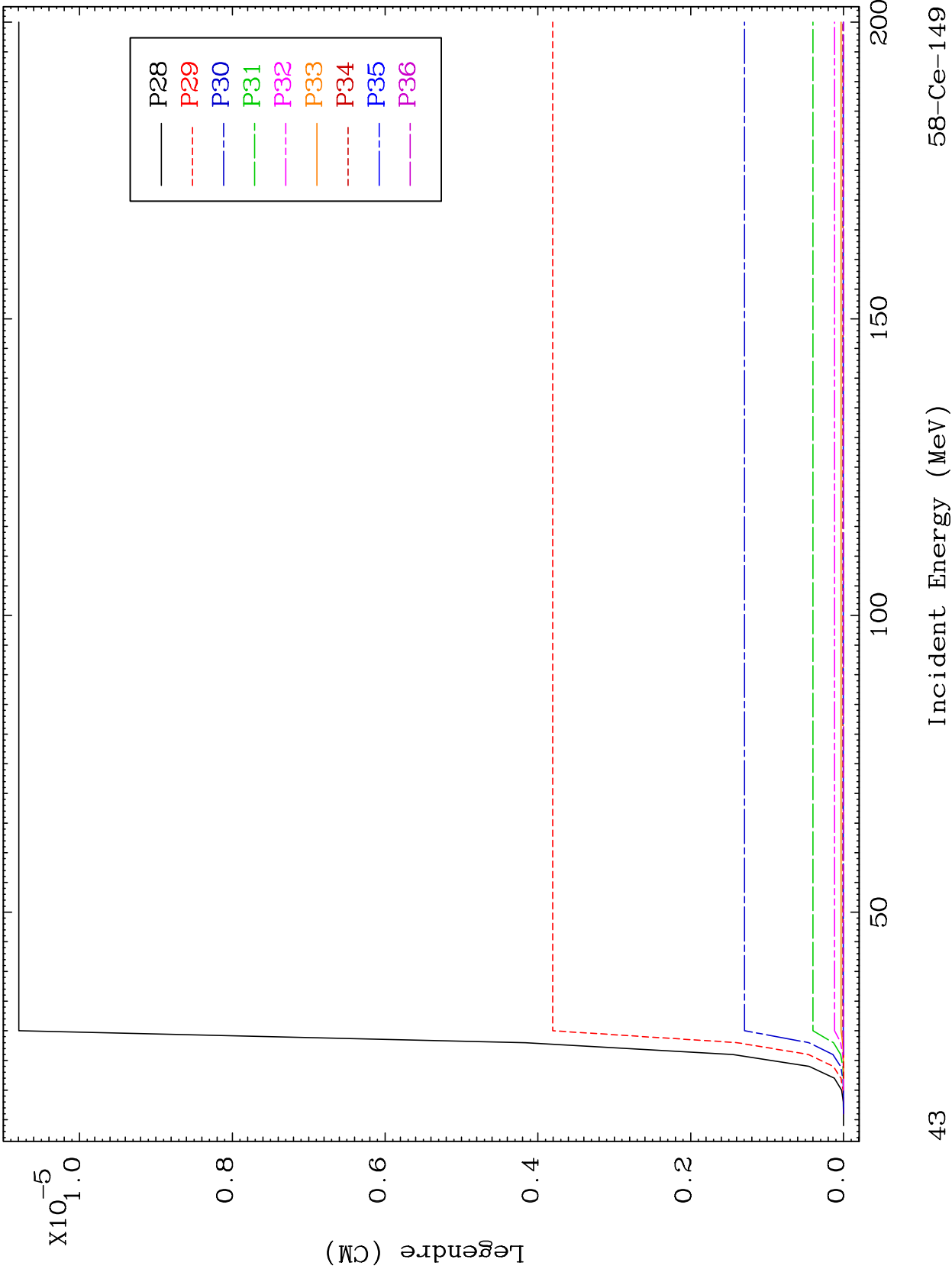
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



43

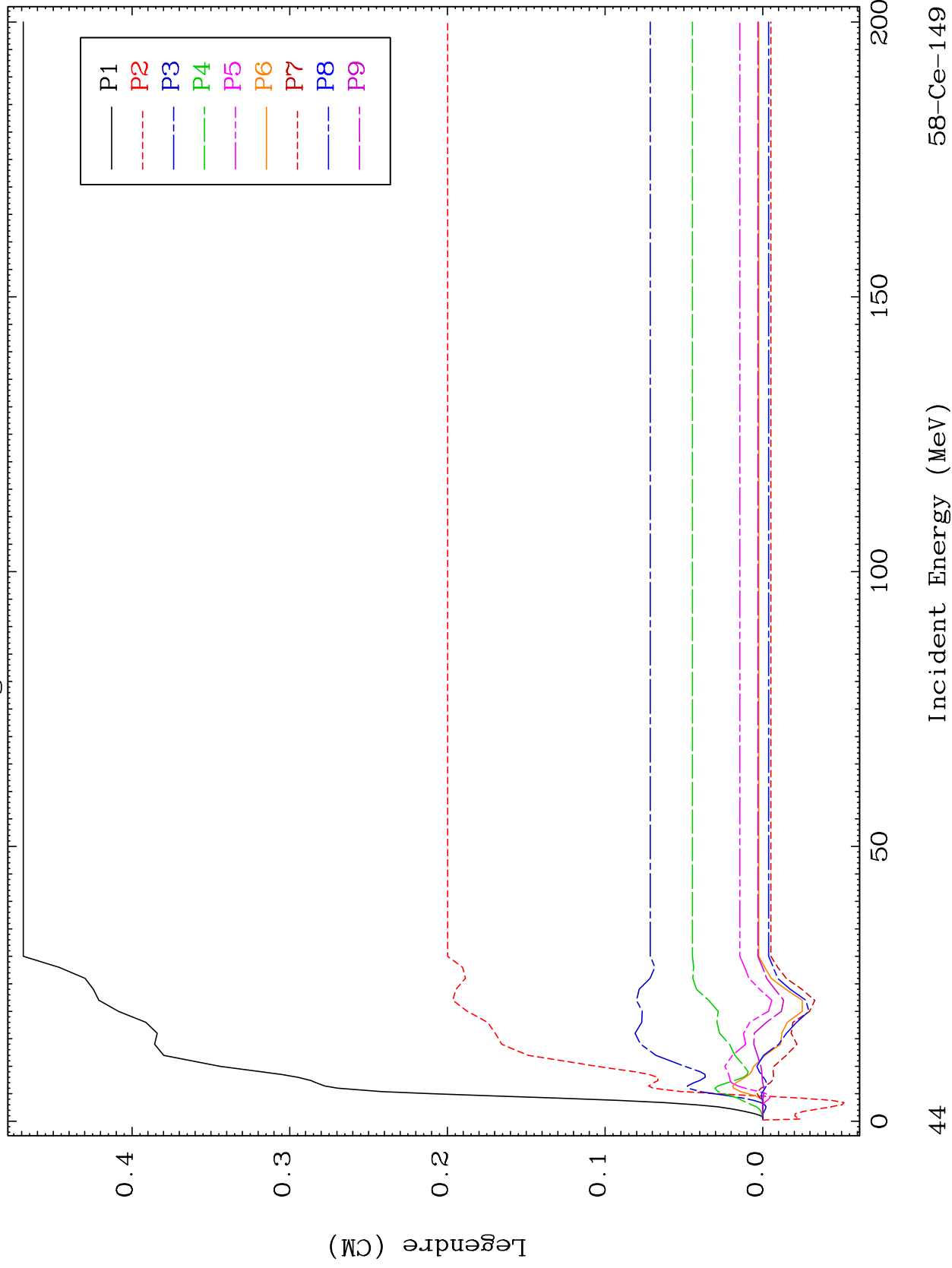
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



58-Ce-149

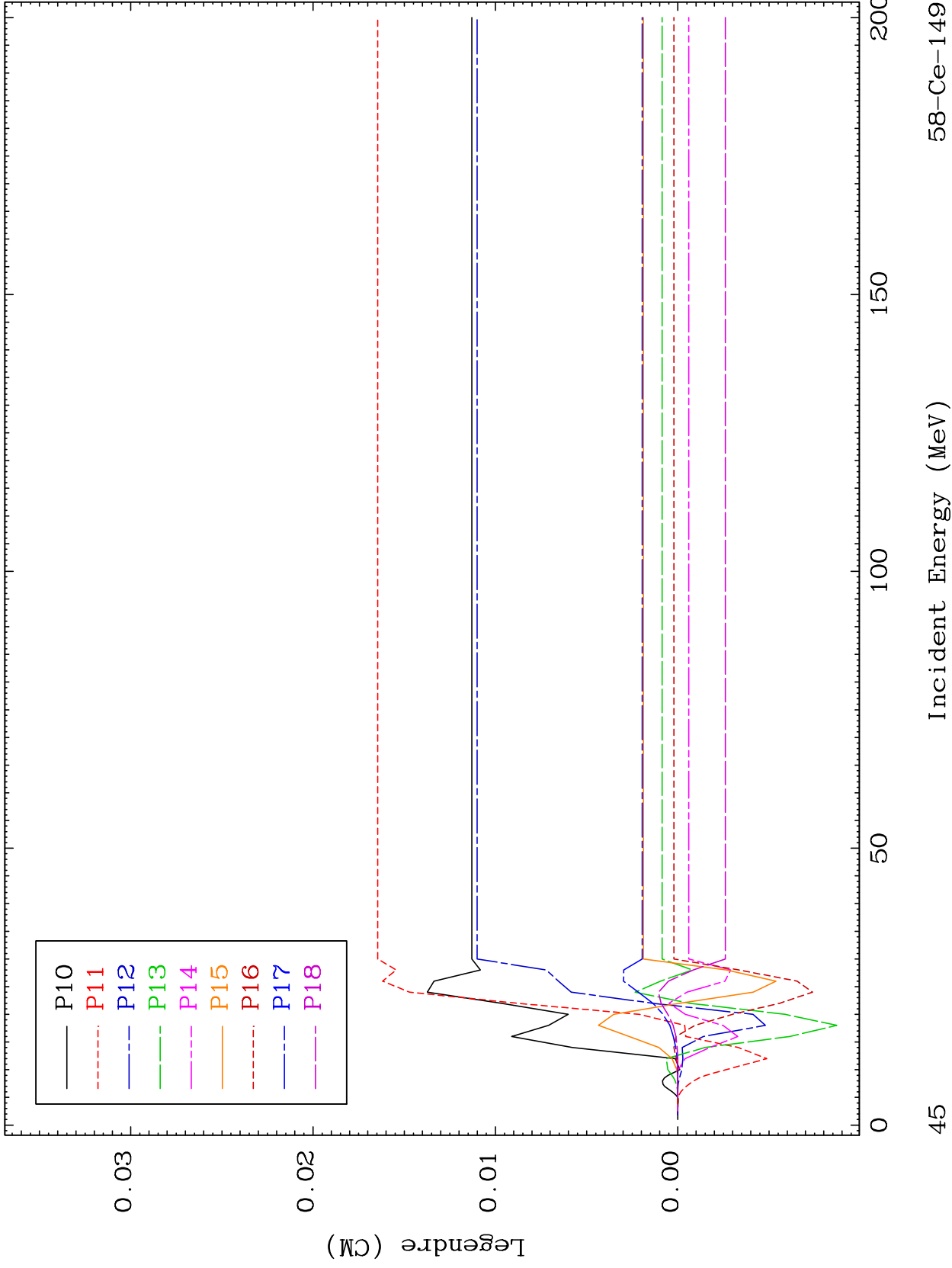
Incident Energy (MeV)

44

MAT 5864

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

58-Ce-149



58-Ce-149

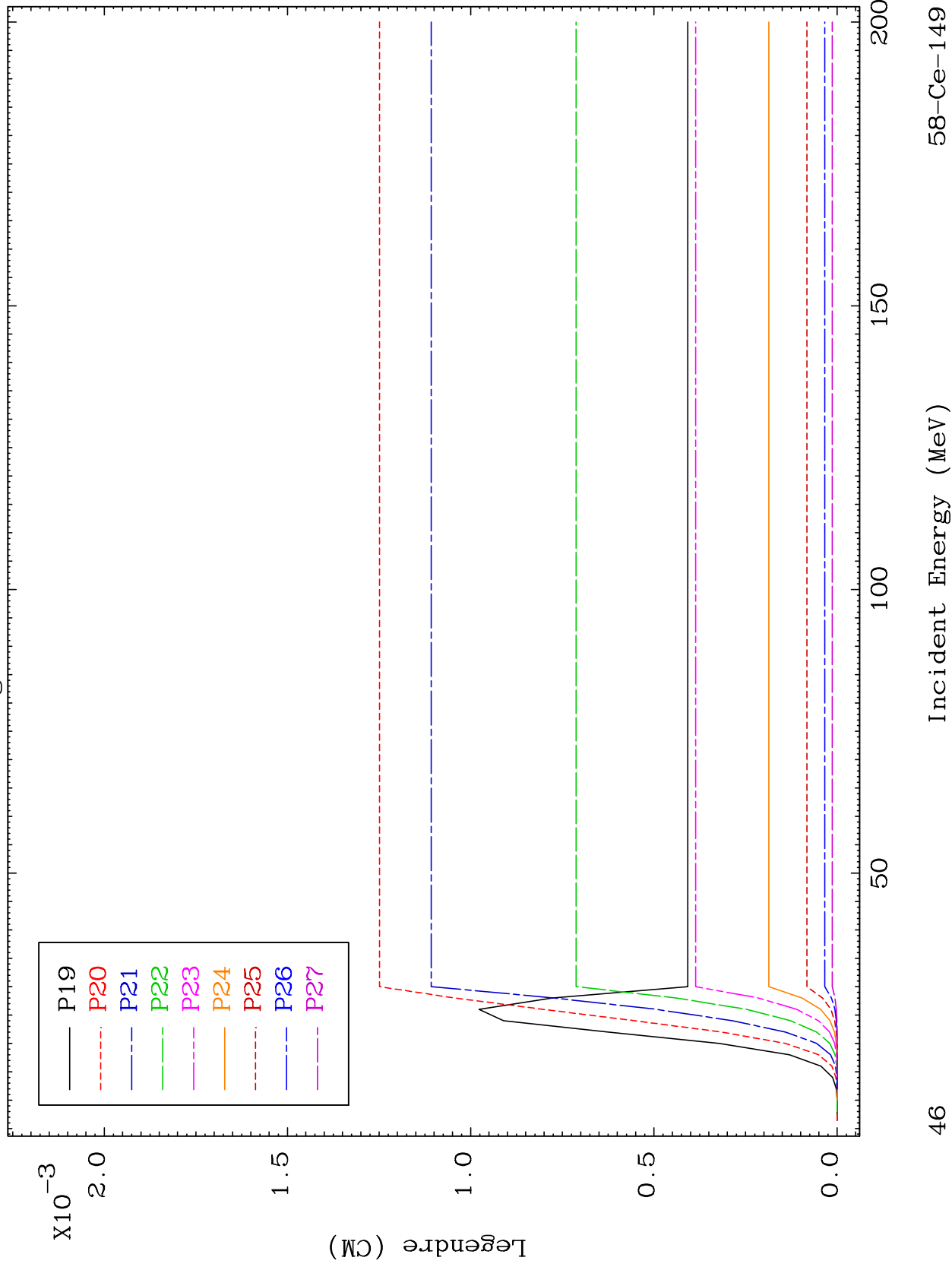
Incident Energy (MeV)

45

MAT 5864

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

58-Ce-149



46

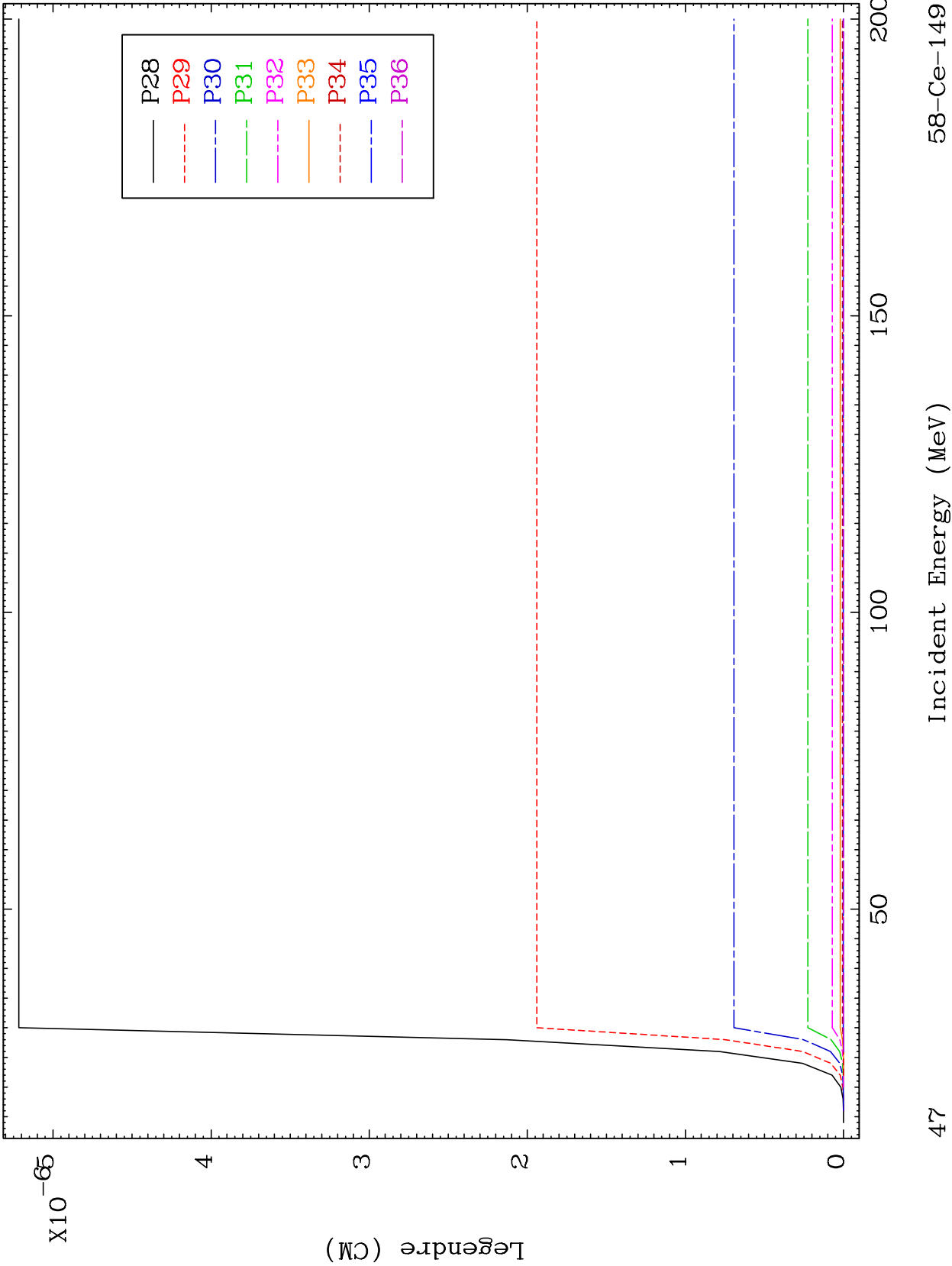
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



47

Incident Energy (MeV)

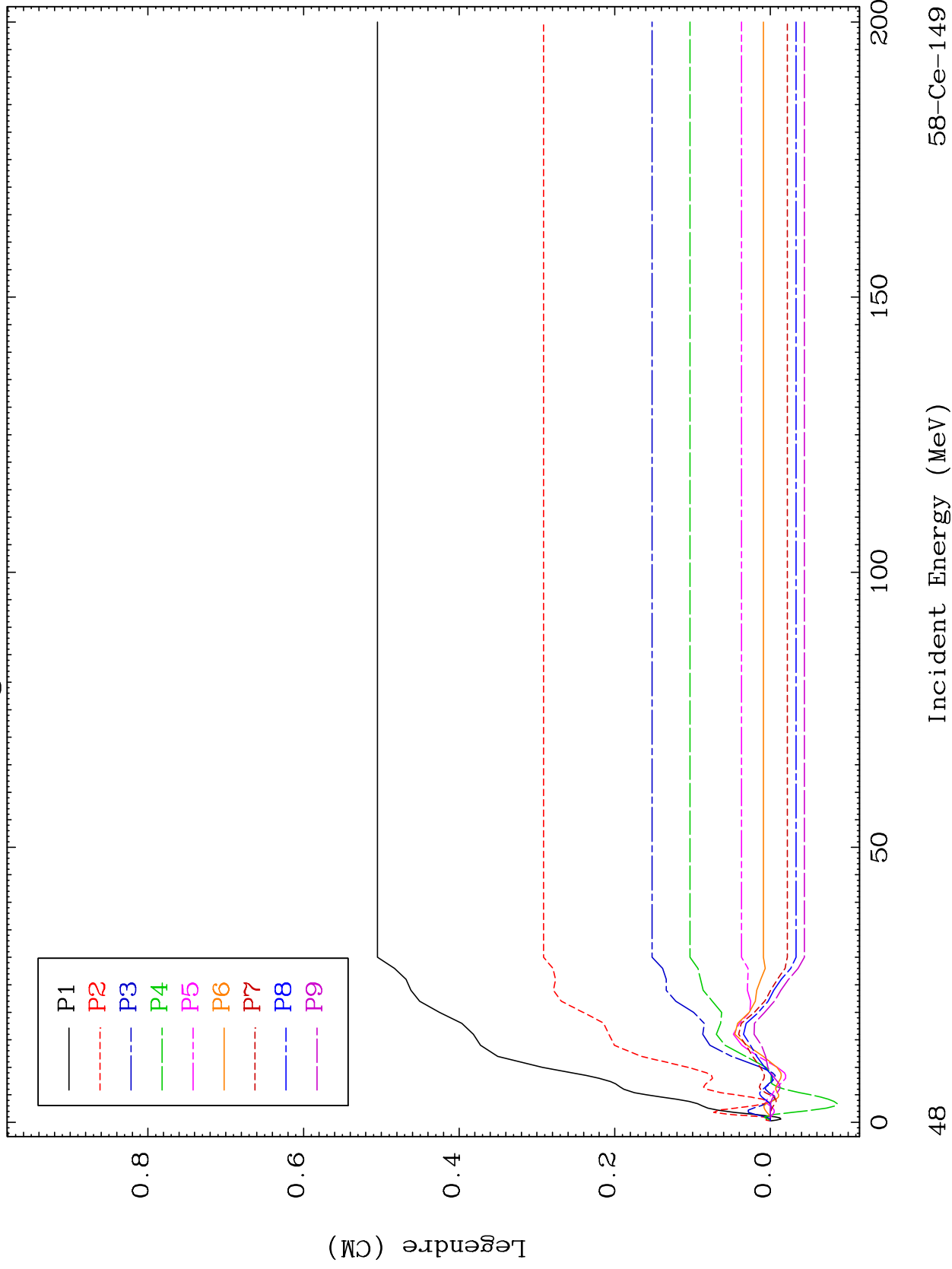
58-Ce-149



MAT 5864

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

58-Ce-149



58-Ce-149

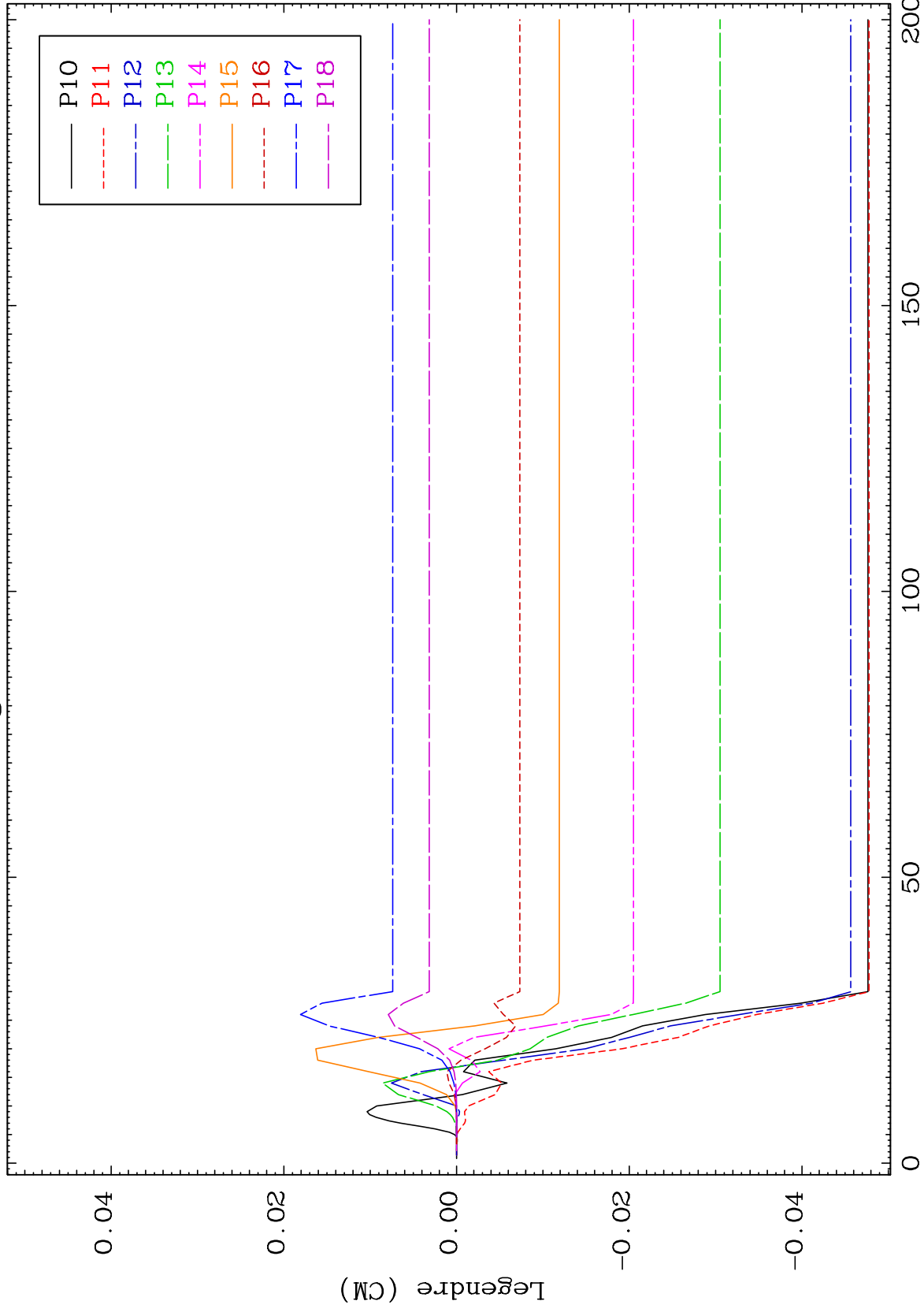
Incident Energy (MeV)

48

MAT 5864

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

58-Ce-149



49

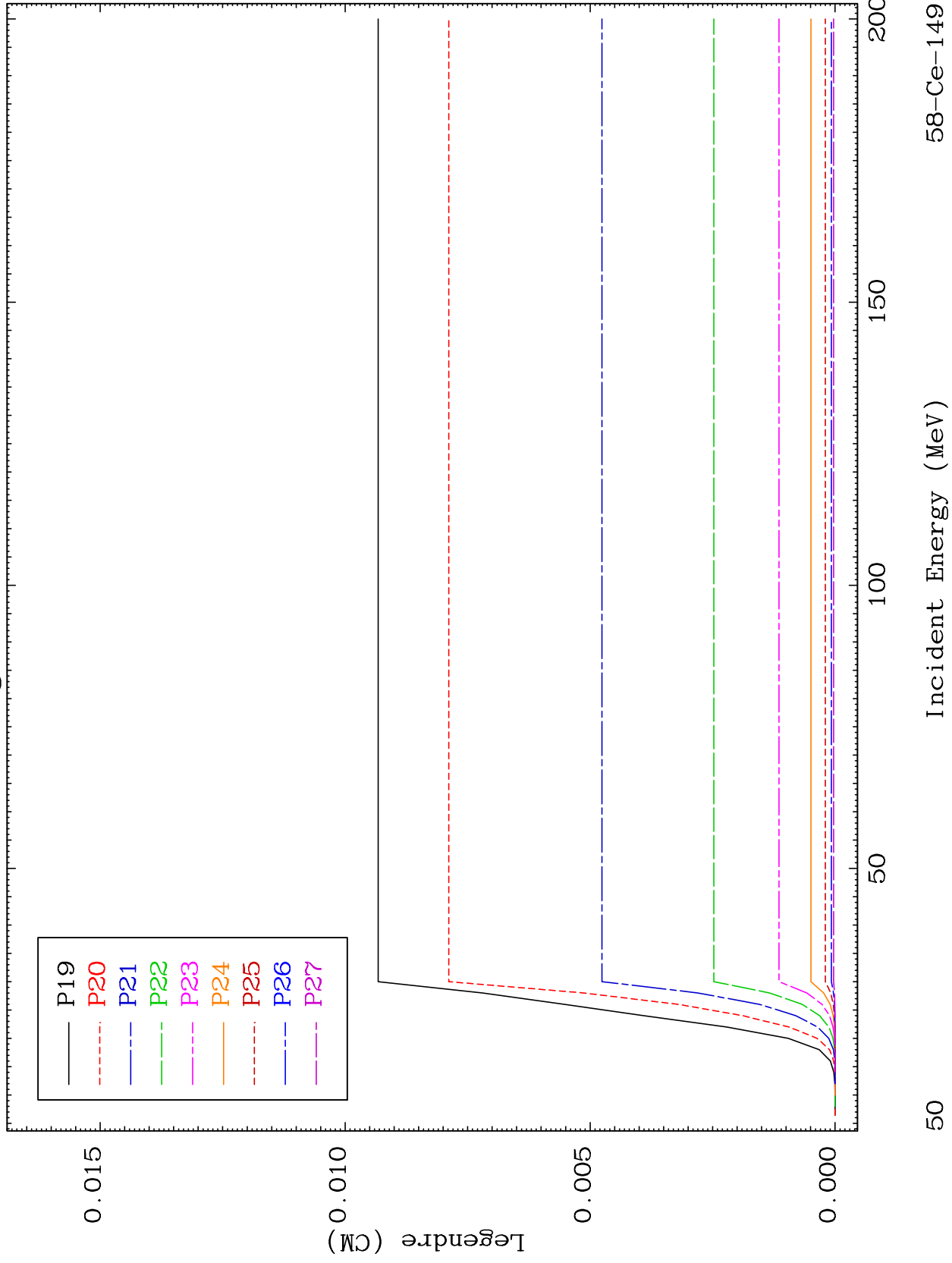
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



58-Ce-149

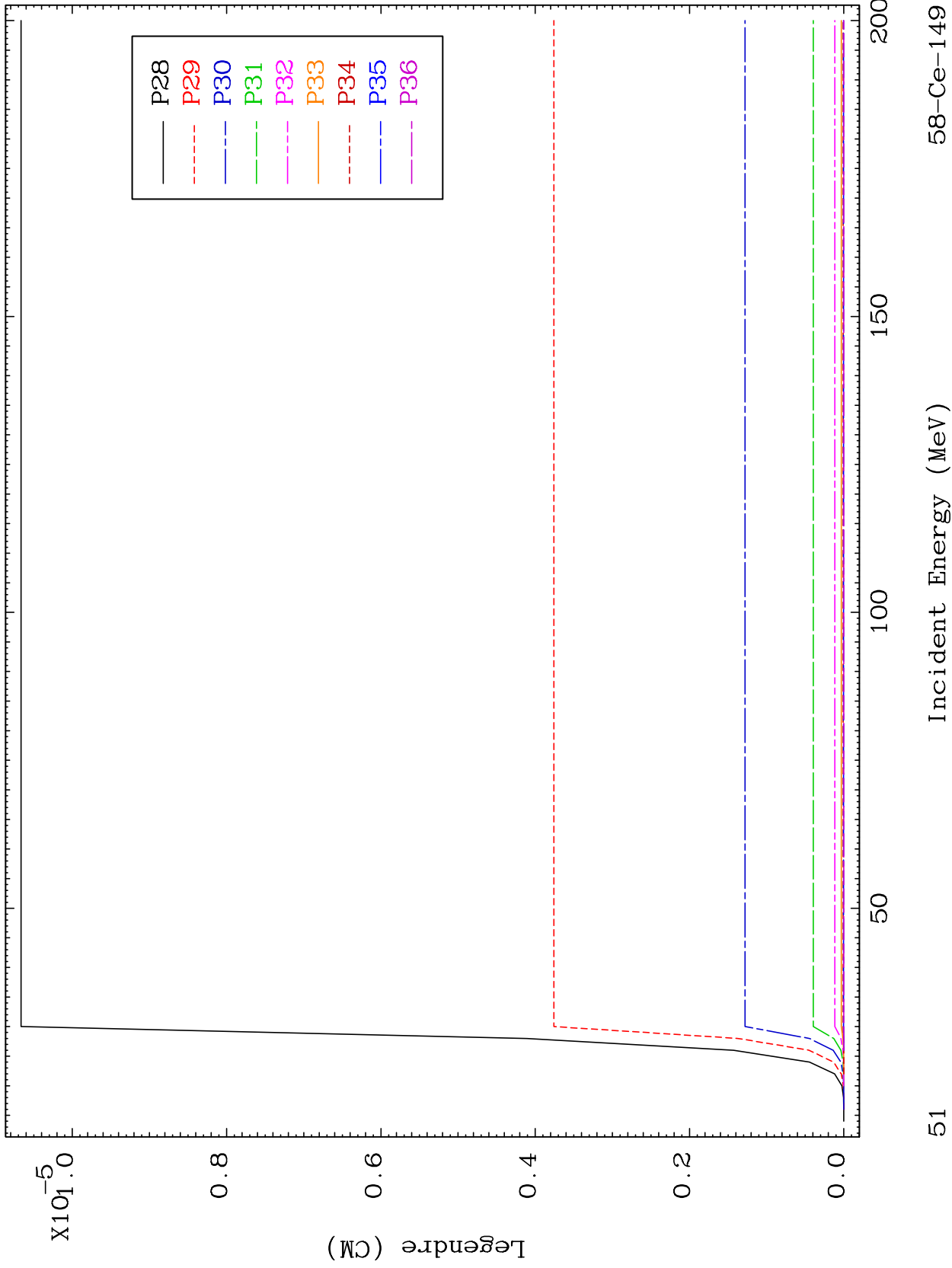
Incident Energy (MeV)

50

MAT 5864

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

58-Ce-149

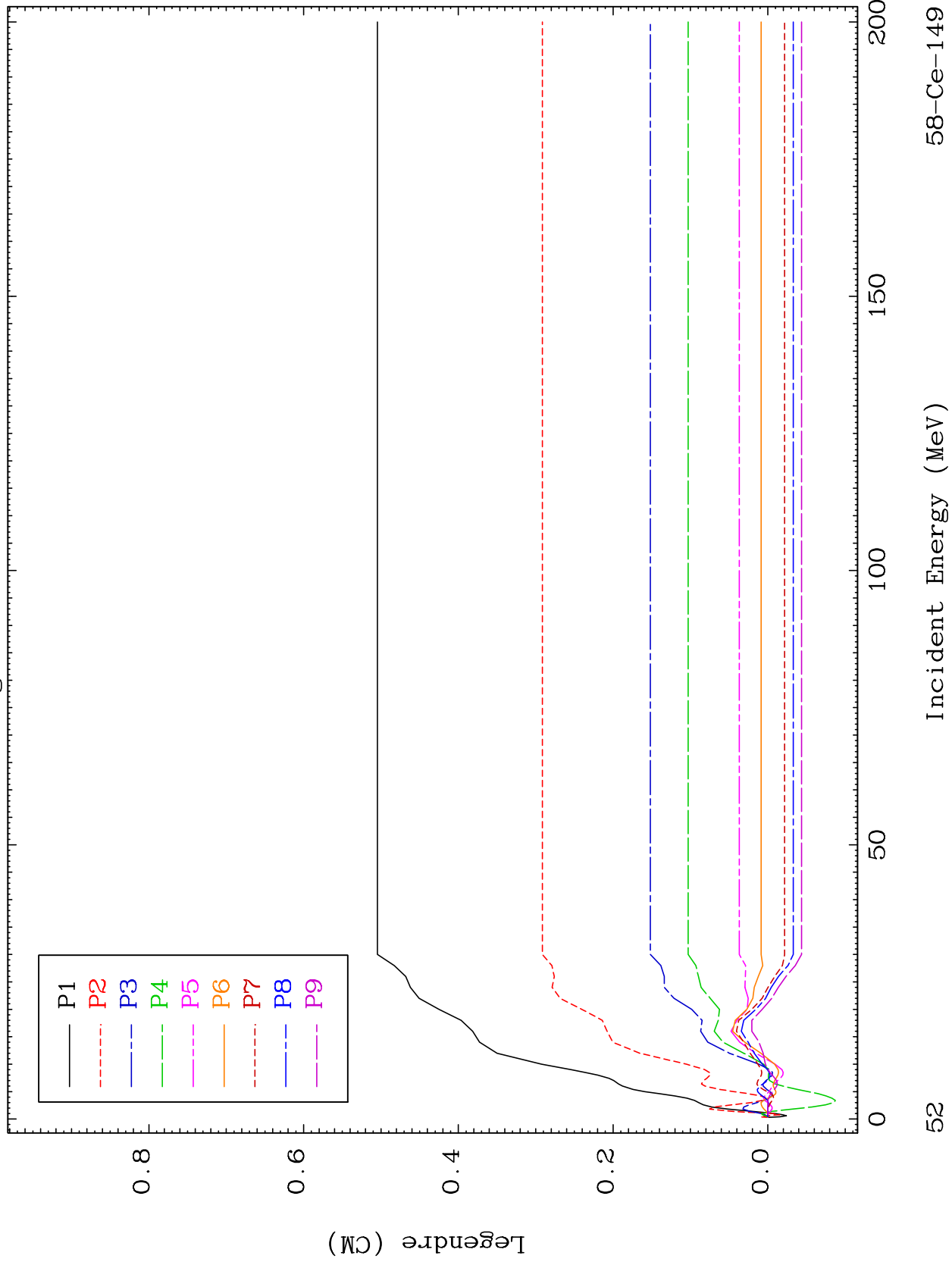


51

MAT 5864

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

58-Ce-149



58-Ce-149

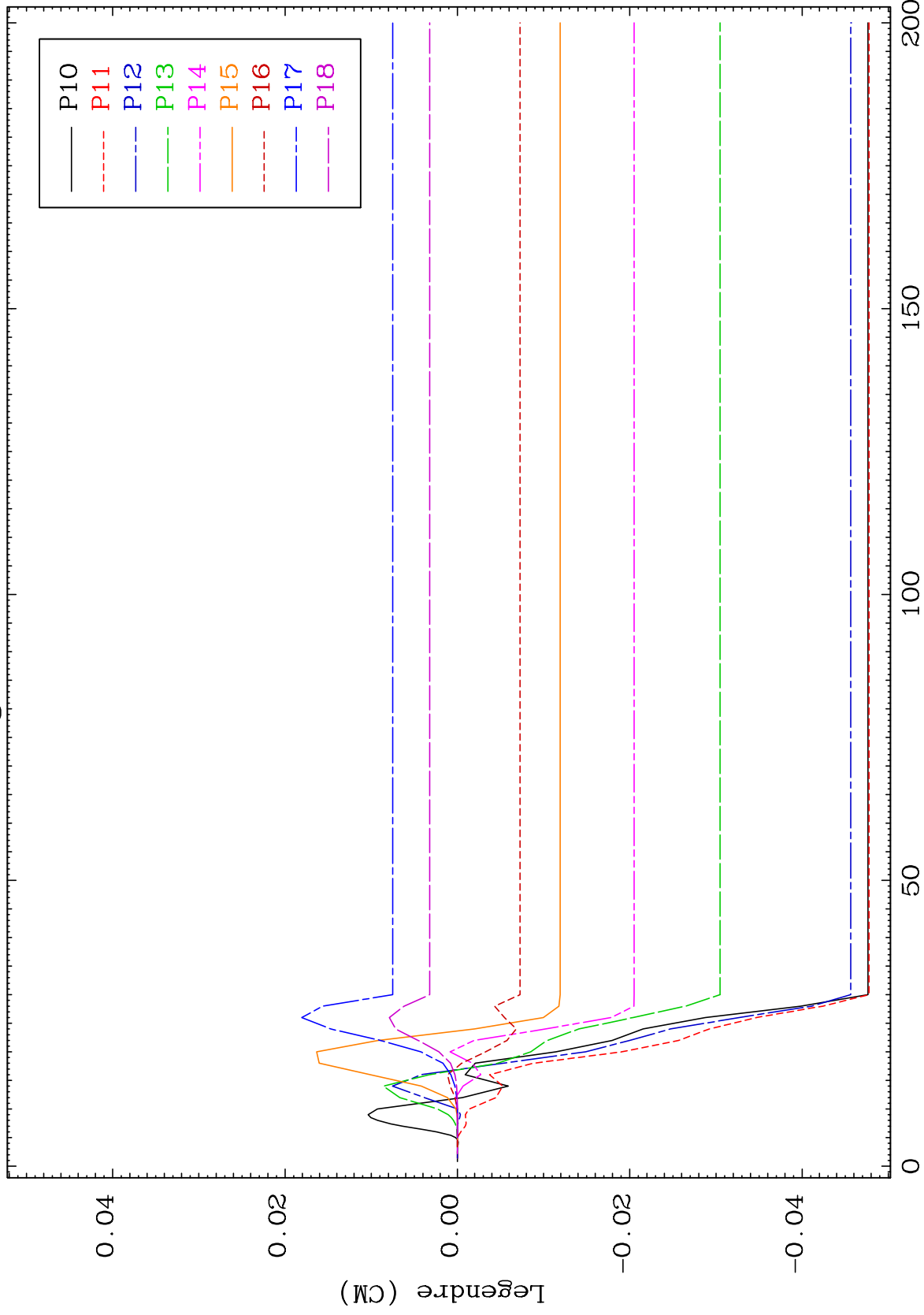
Incident Energy (MeV)

52

MAT 5864

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

58-Ce-149



53

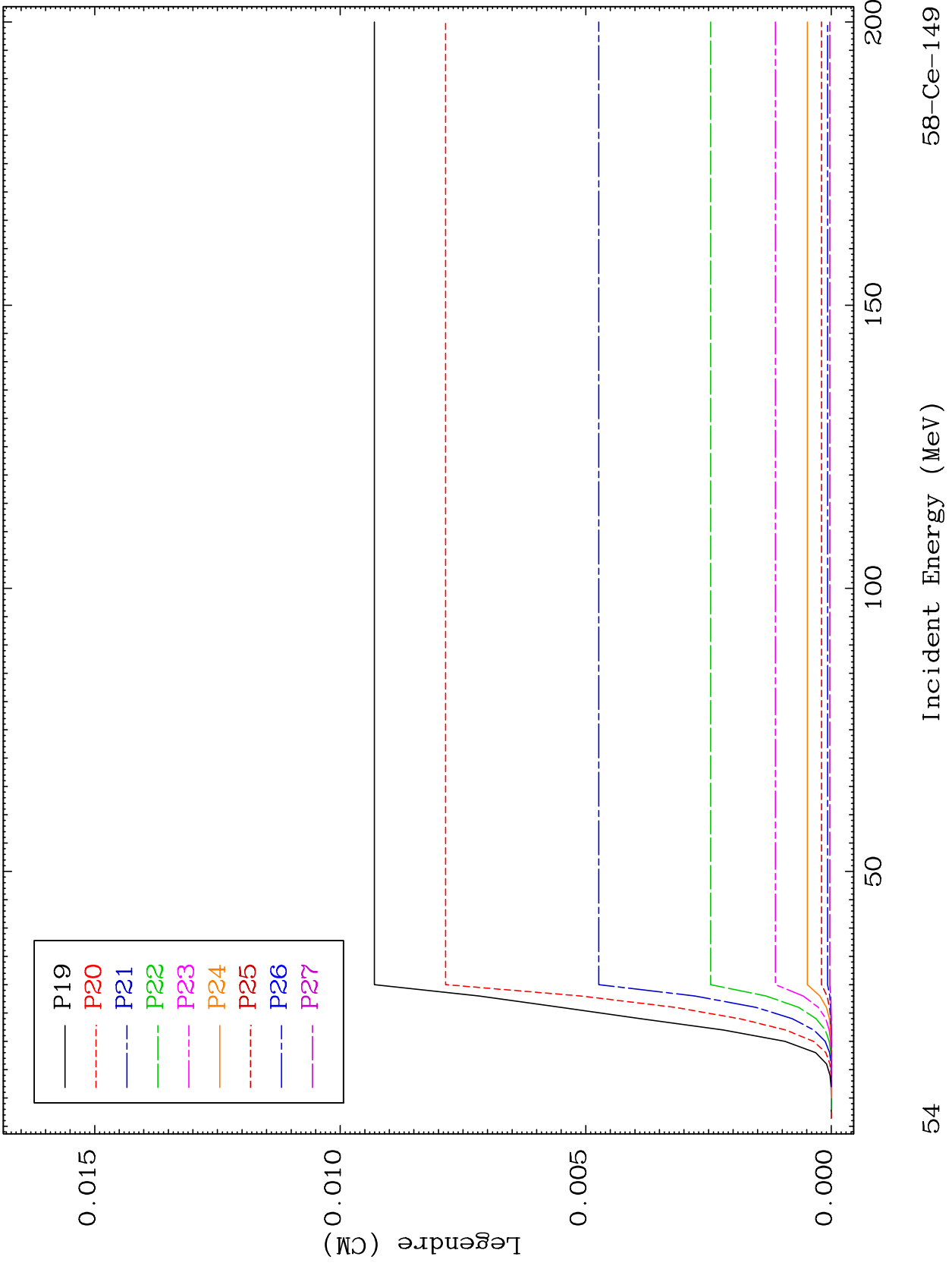
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



54

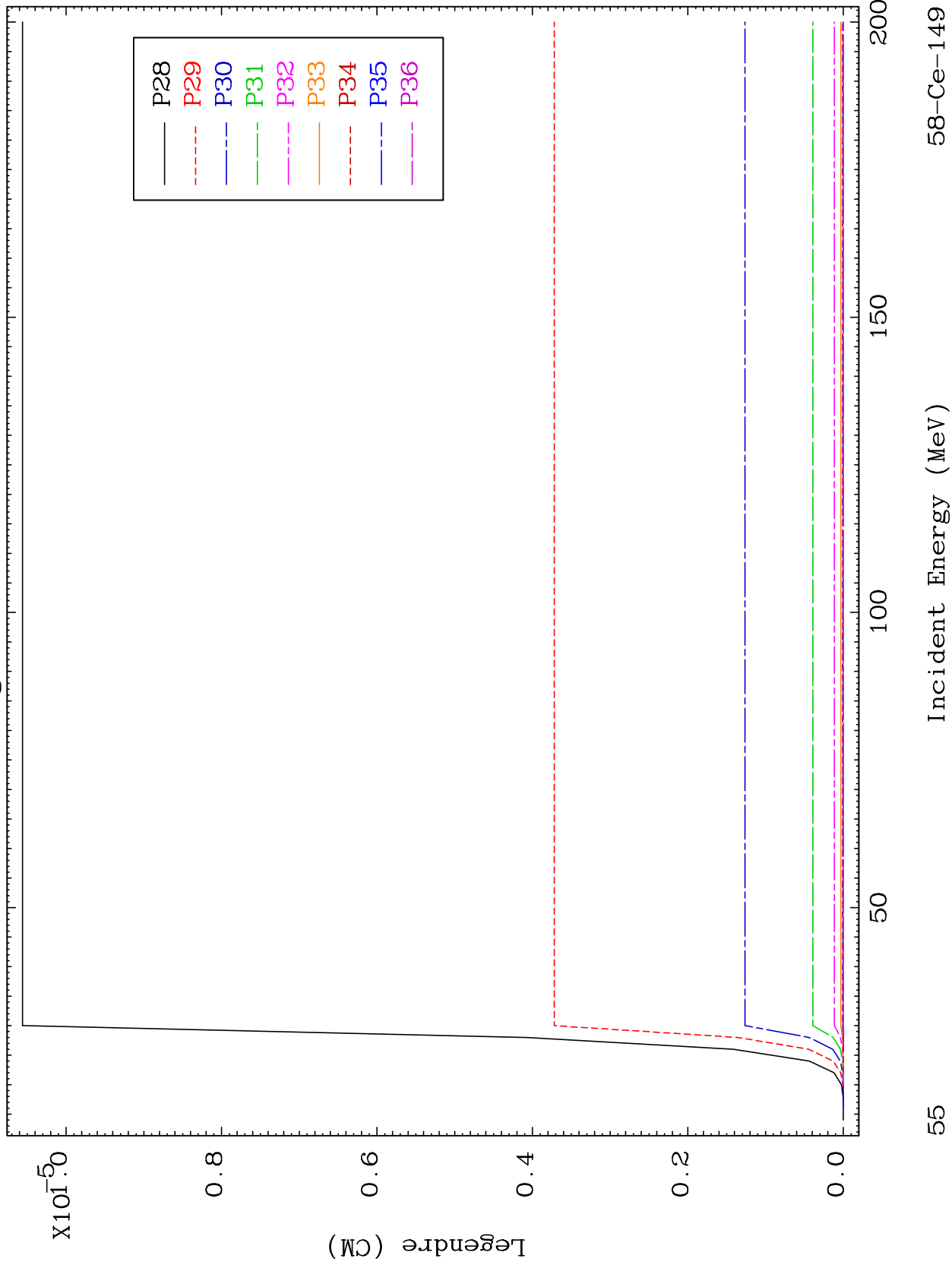
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149

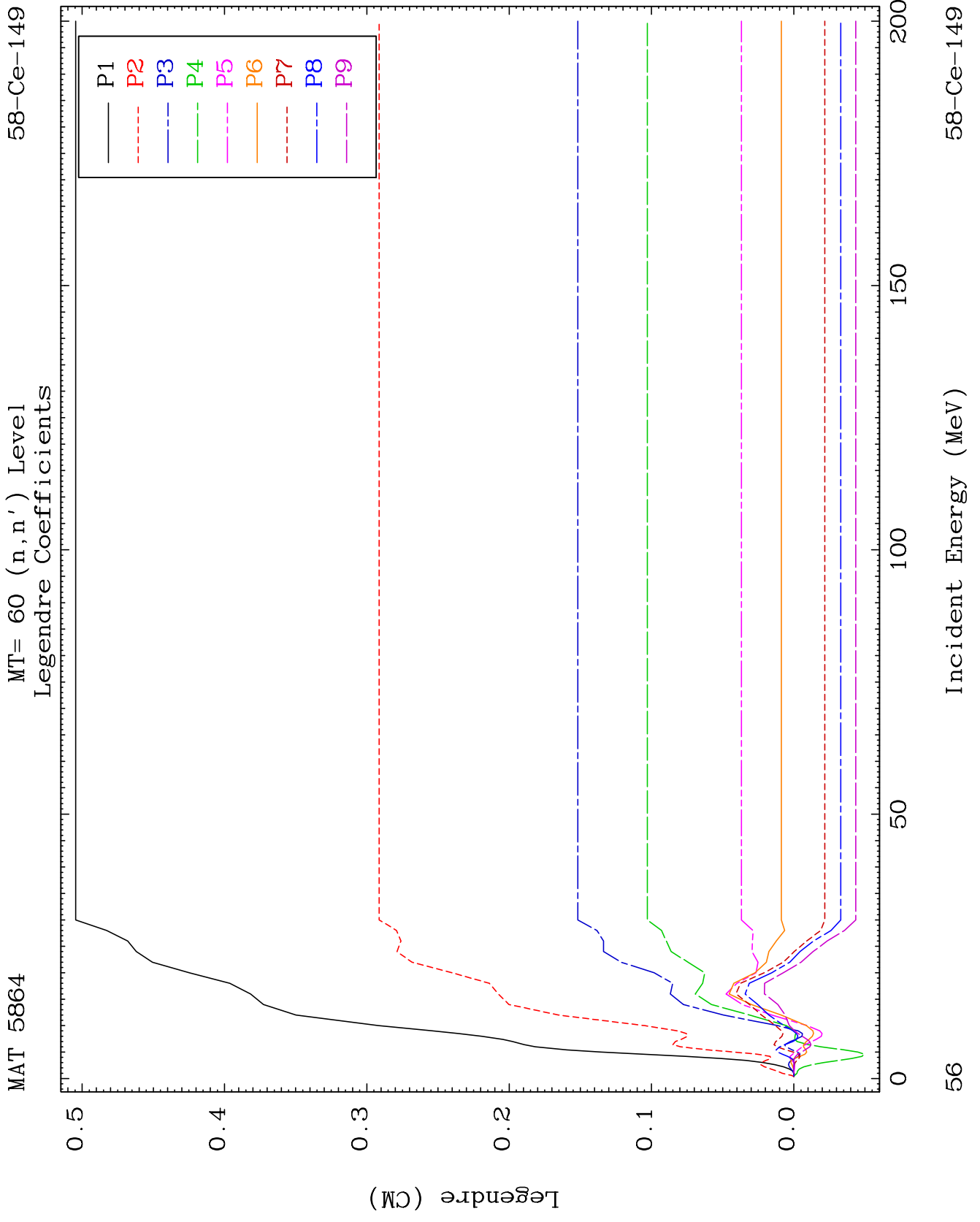


55

Incident Energy (MeV)

58-Ce-149

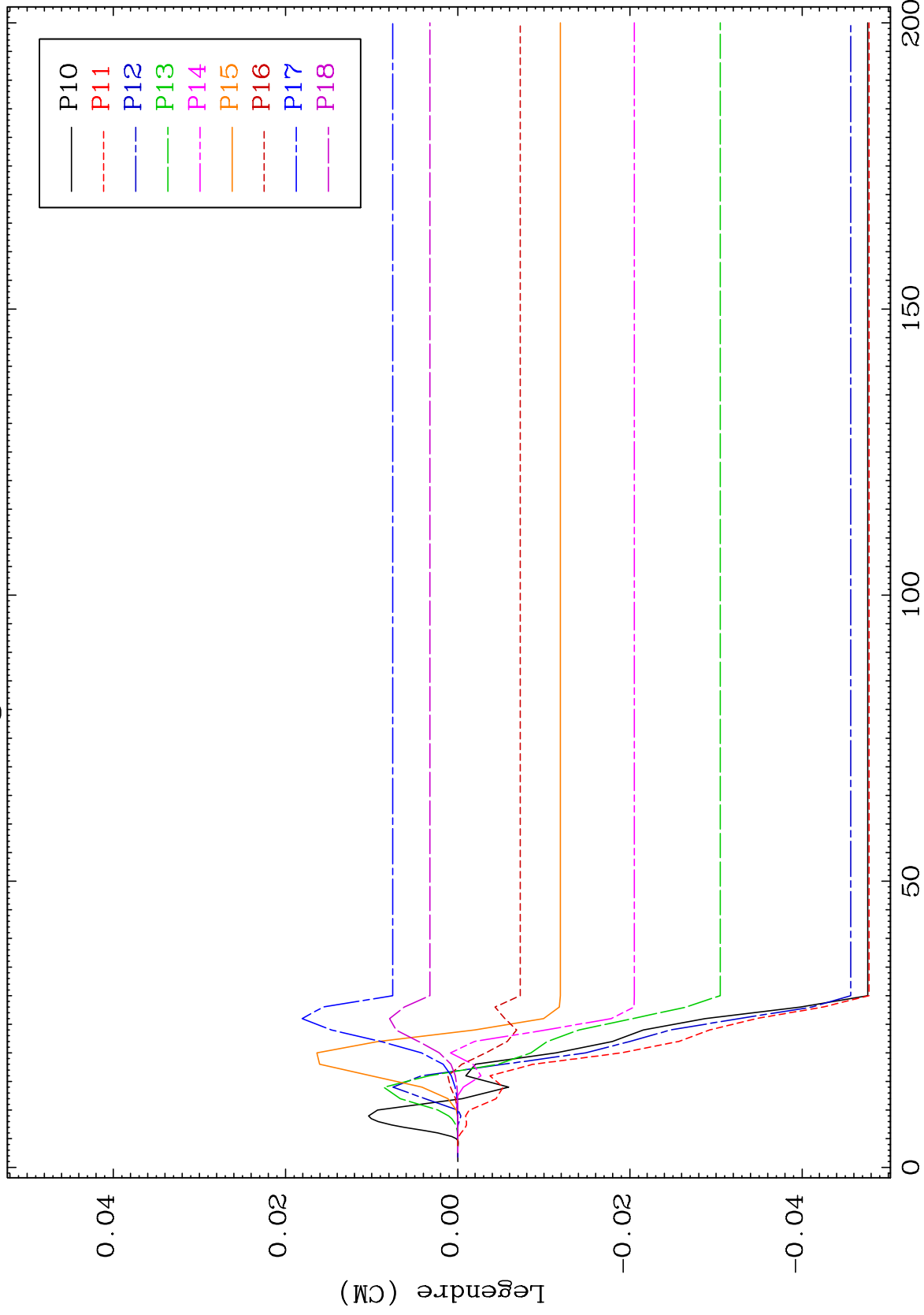




MAT 5864

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

58-Ce-149



57

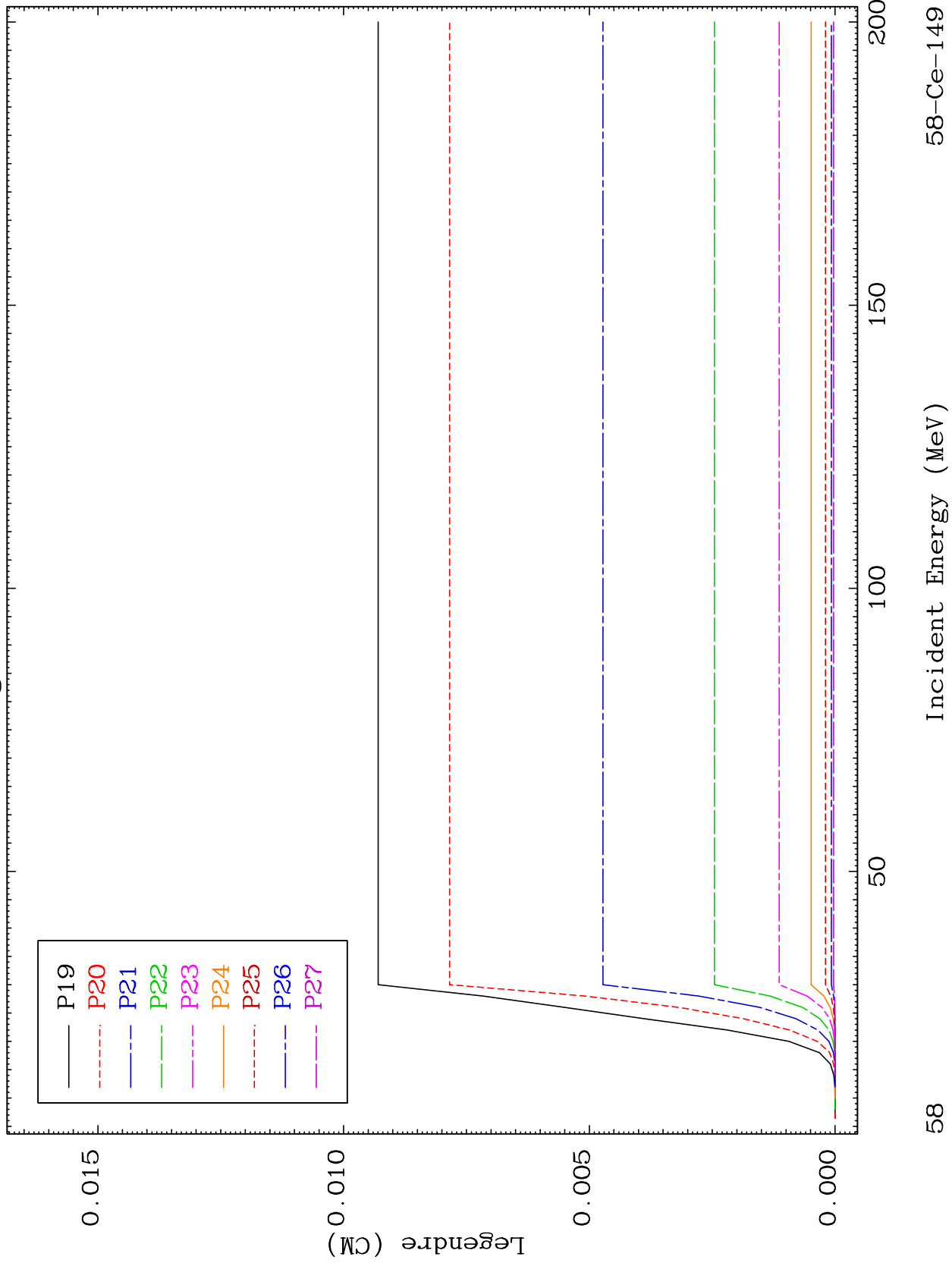
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



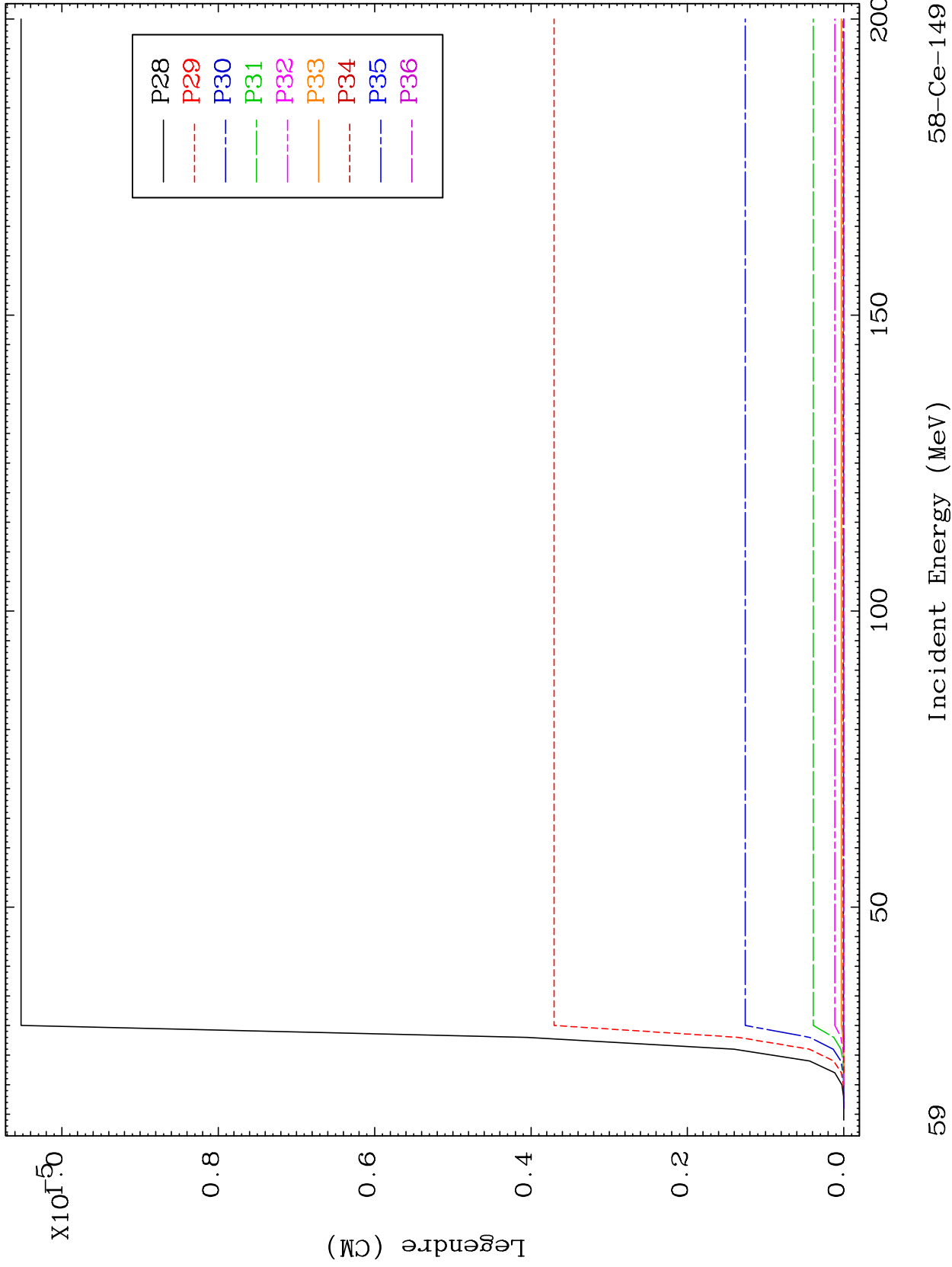
58

58-Ce-149

MAT 5864

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

58-Ce-149



59

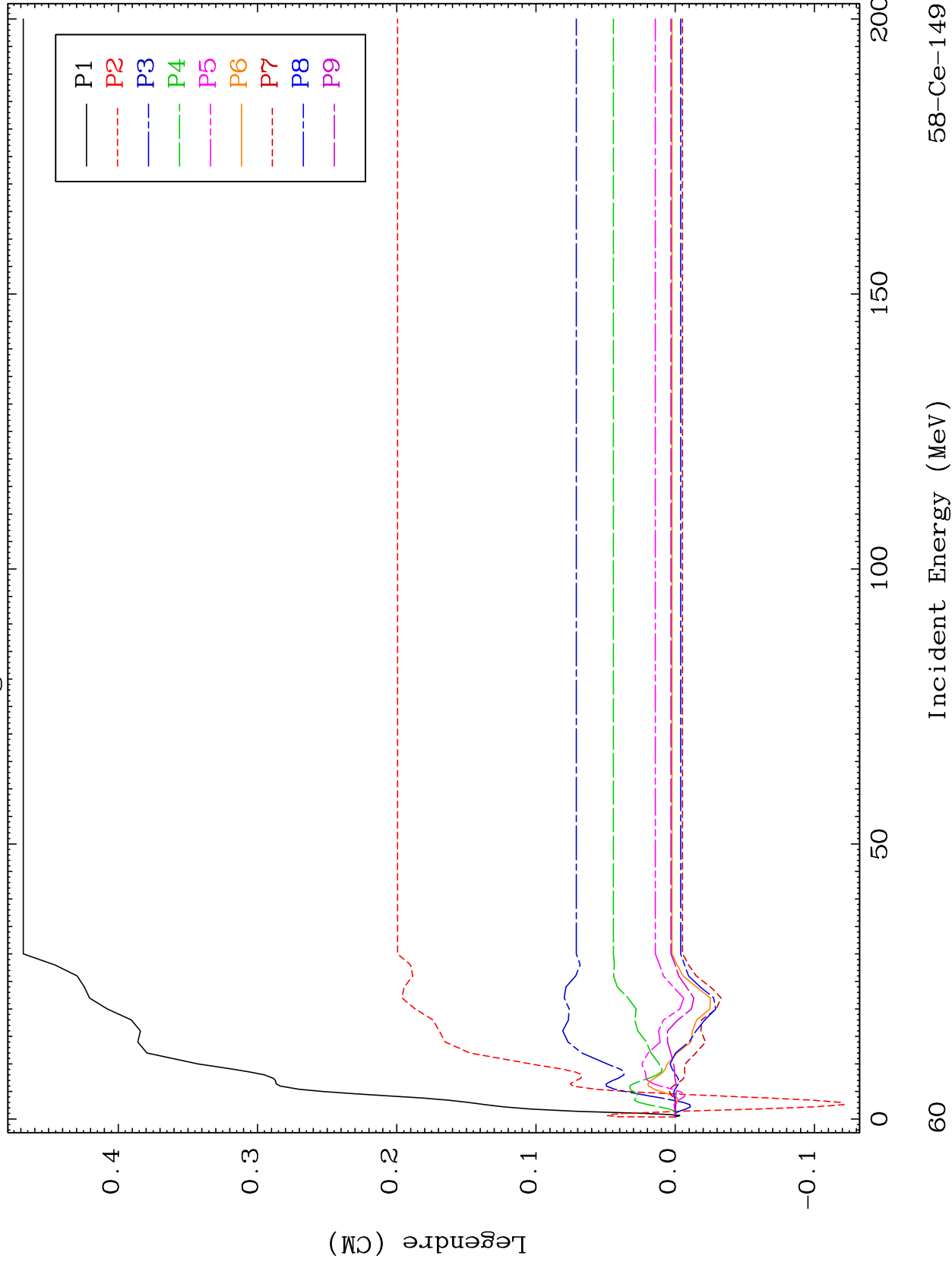
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149

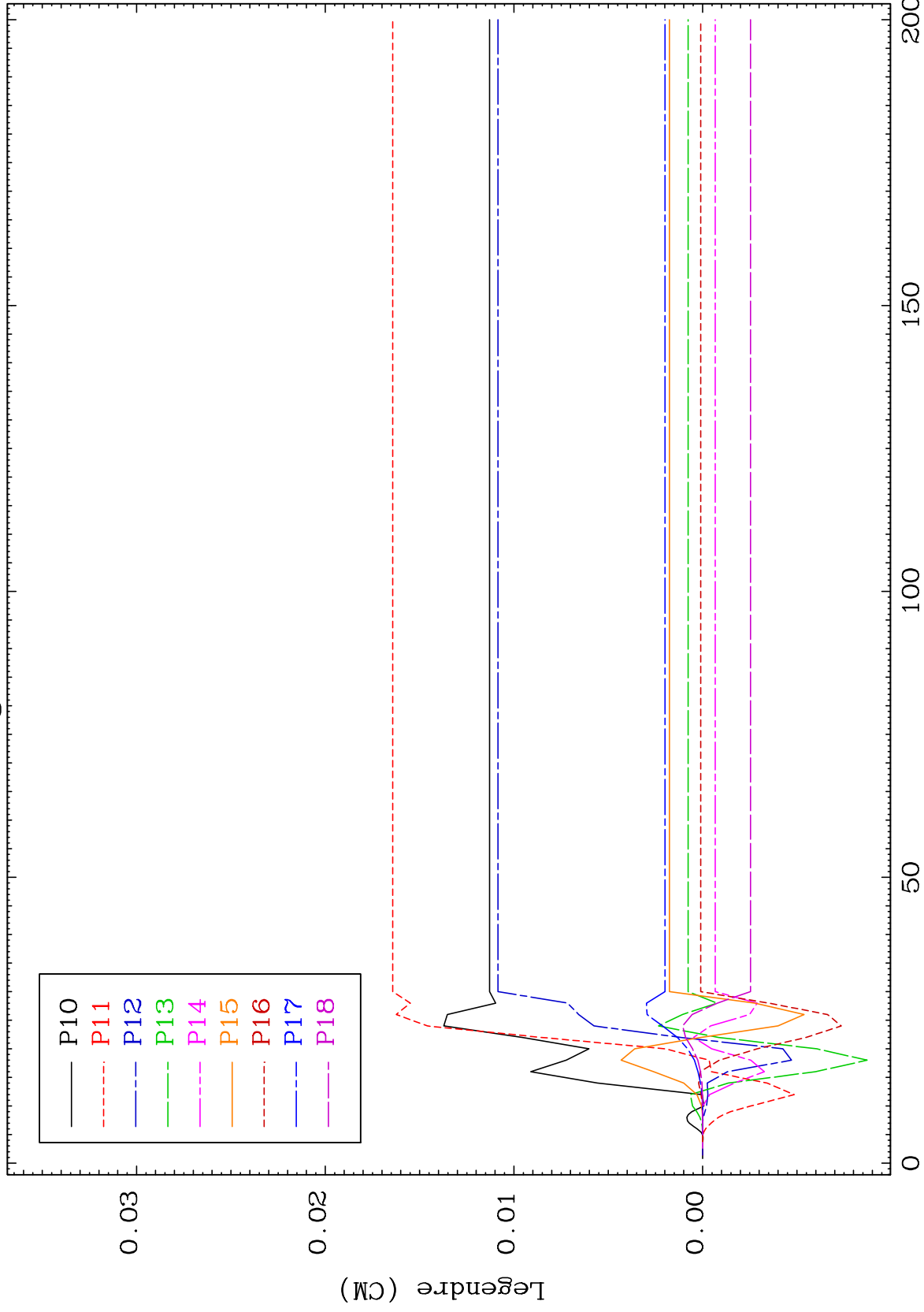


58-Ce-149

MAT 5864

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

58-Ce-149



61

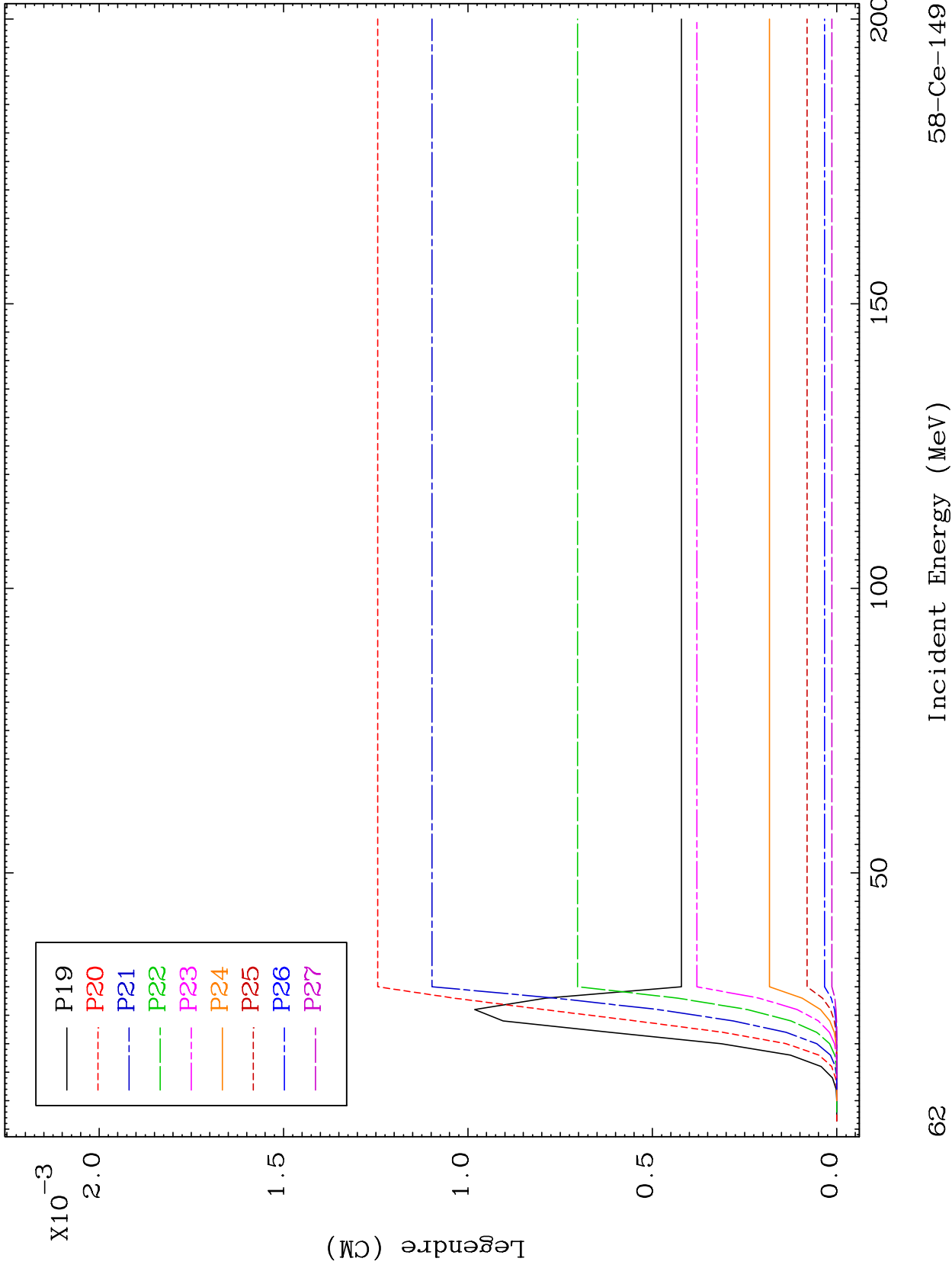
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

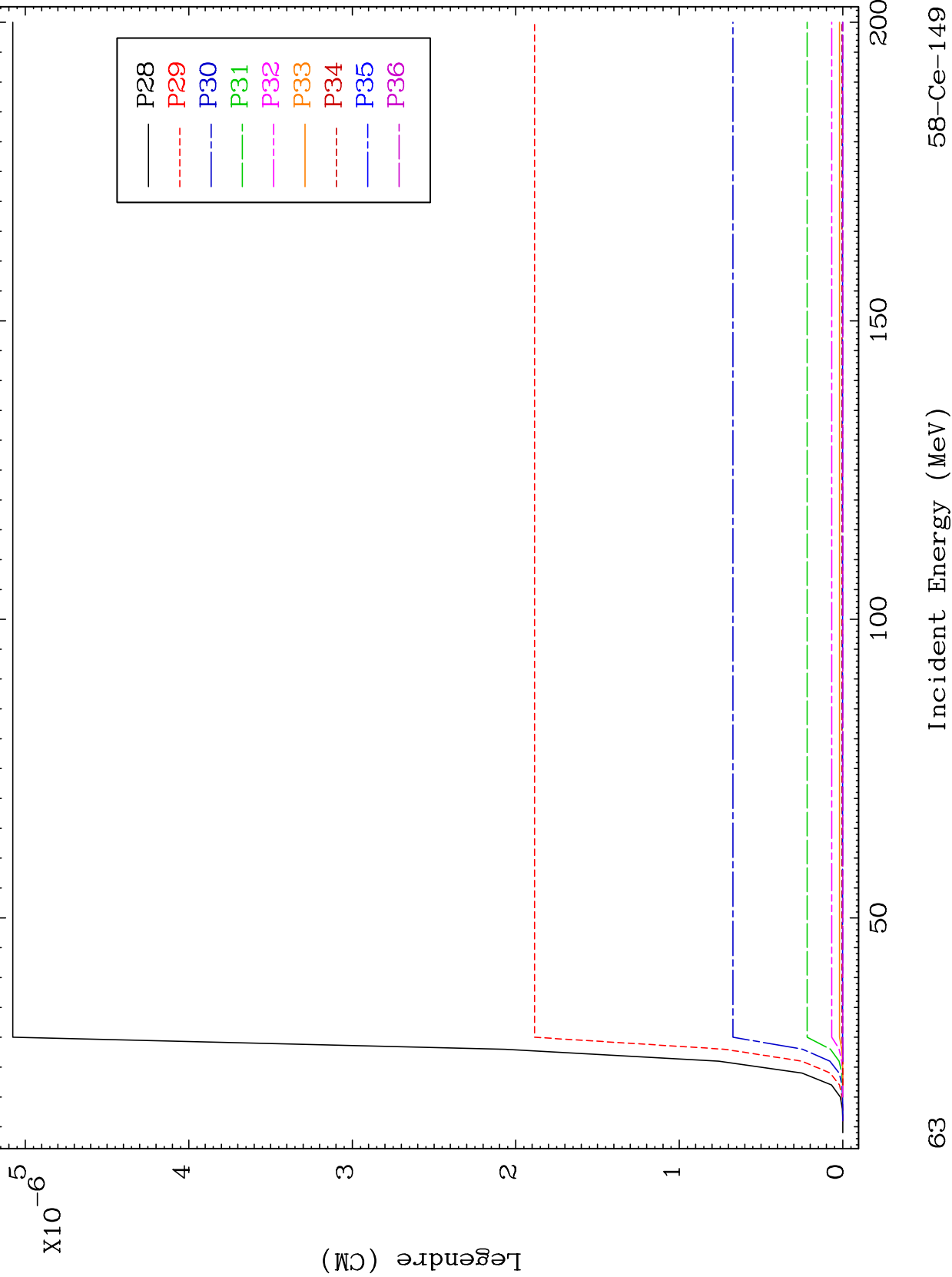
58-Ce-149



MAT 5864

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

58-Ce-149



63

58-Ce-149

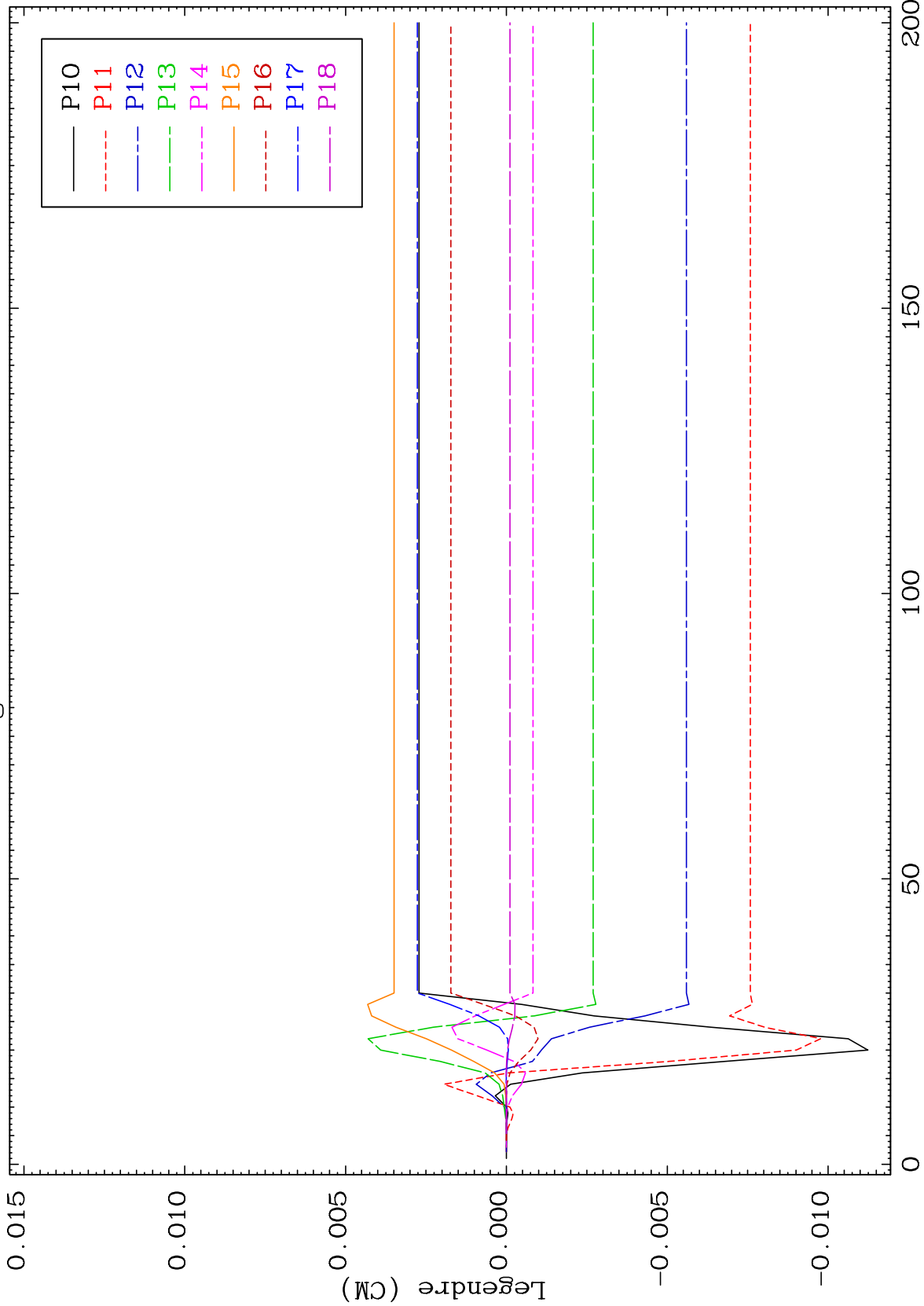




MAT 5864

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

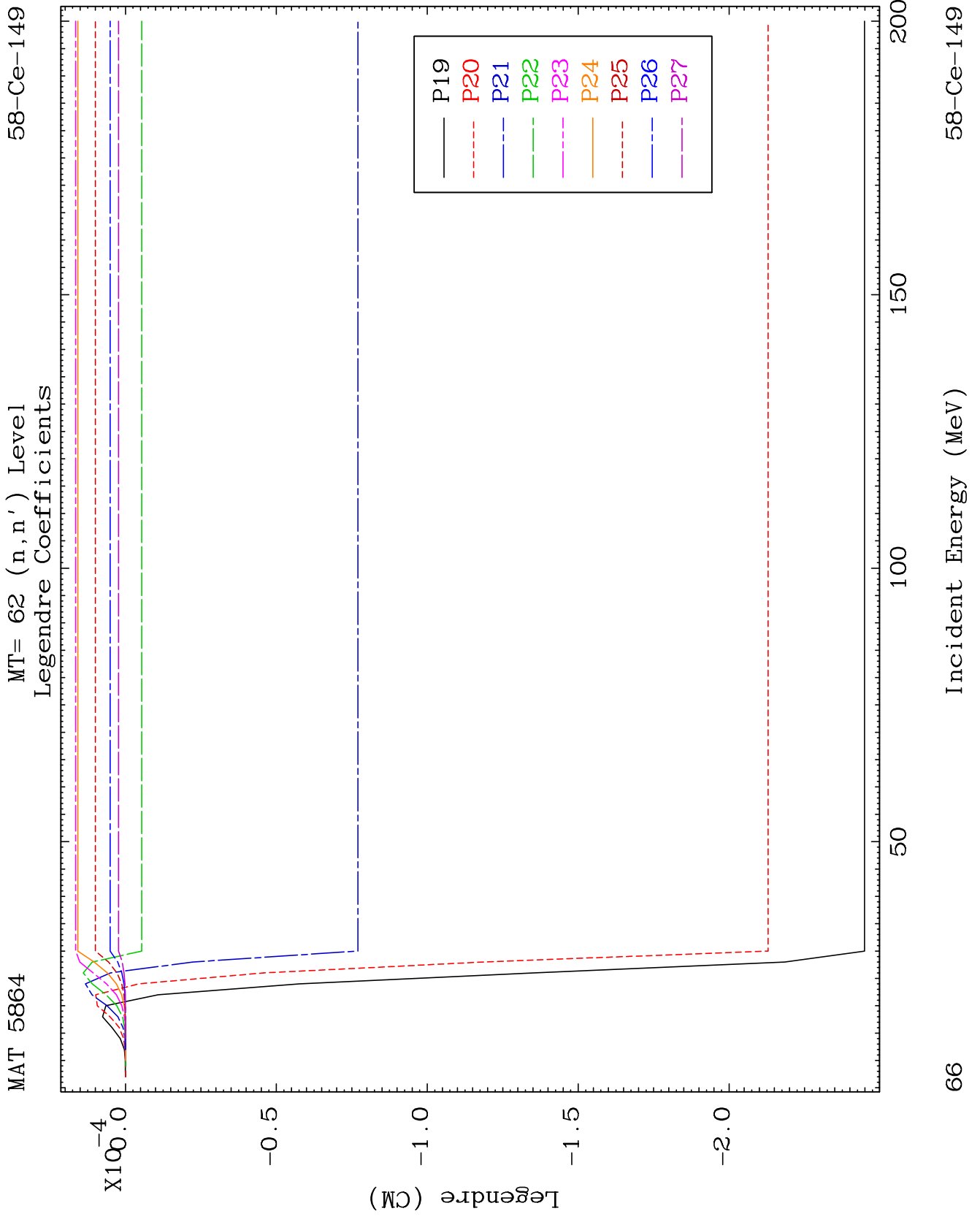
58-Ce-149



65

Incident Energy (MeV)

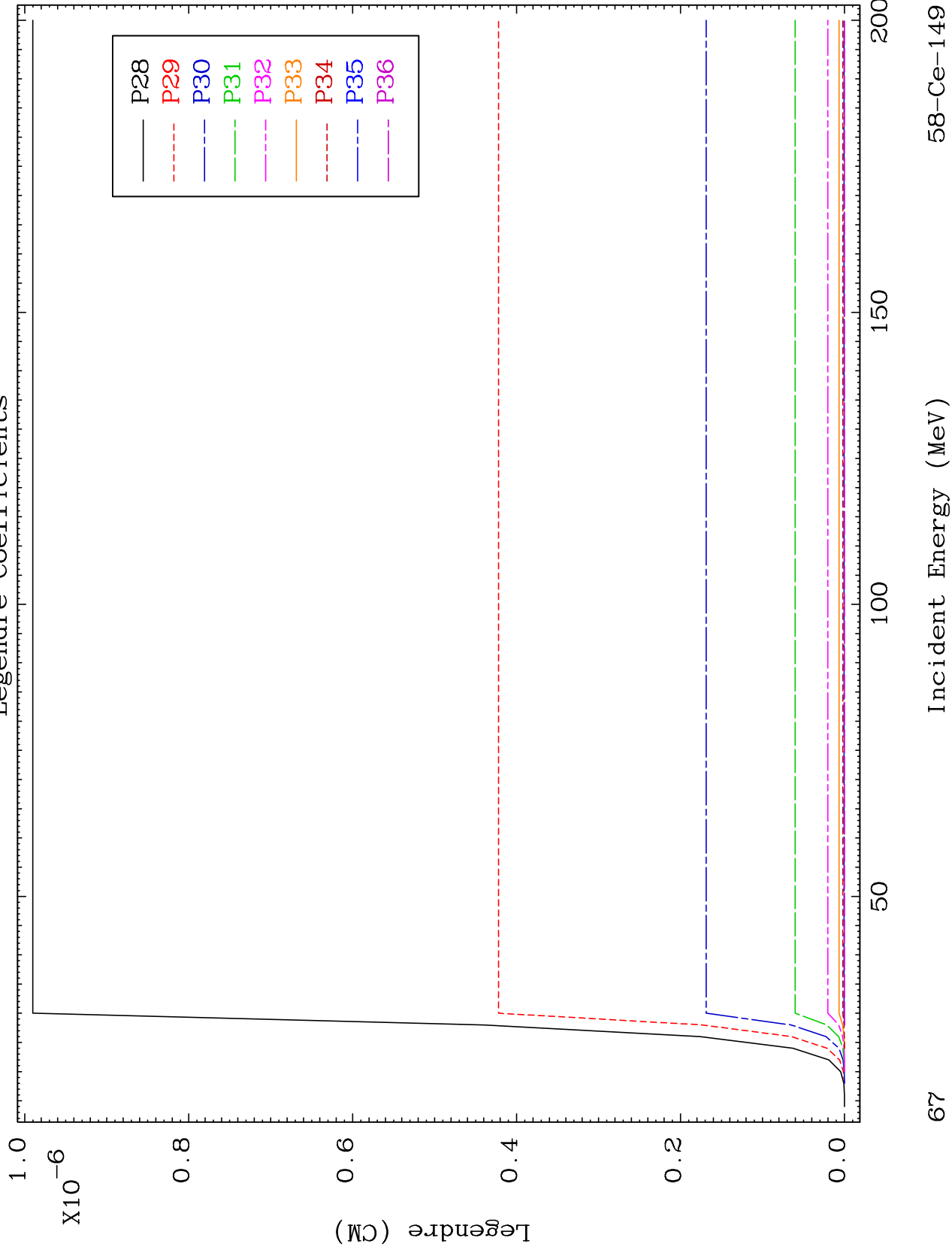
58-Ce-149



MAT 5864

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

58-Ce-149

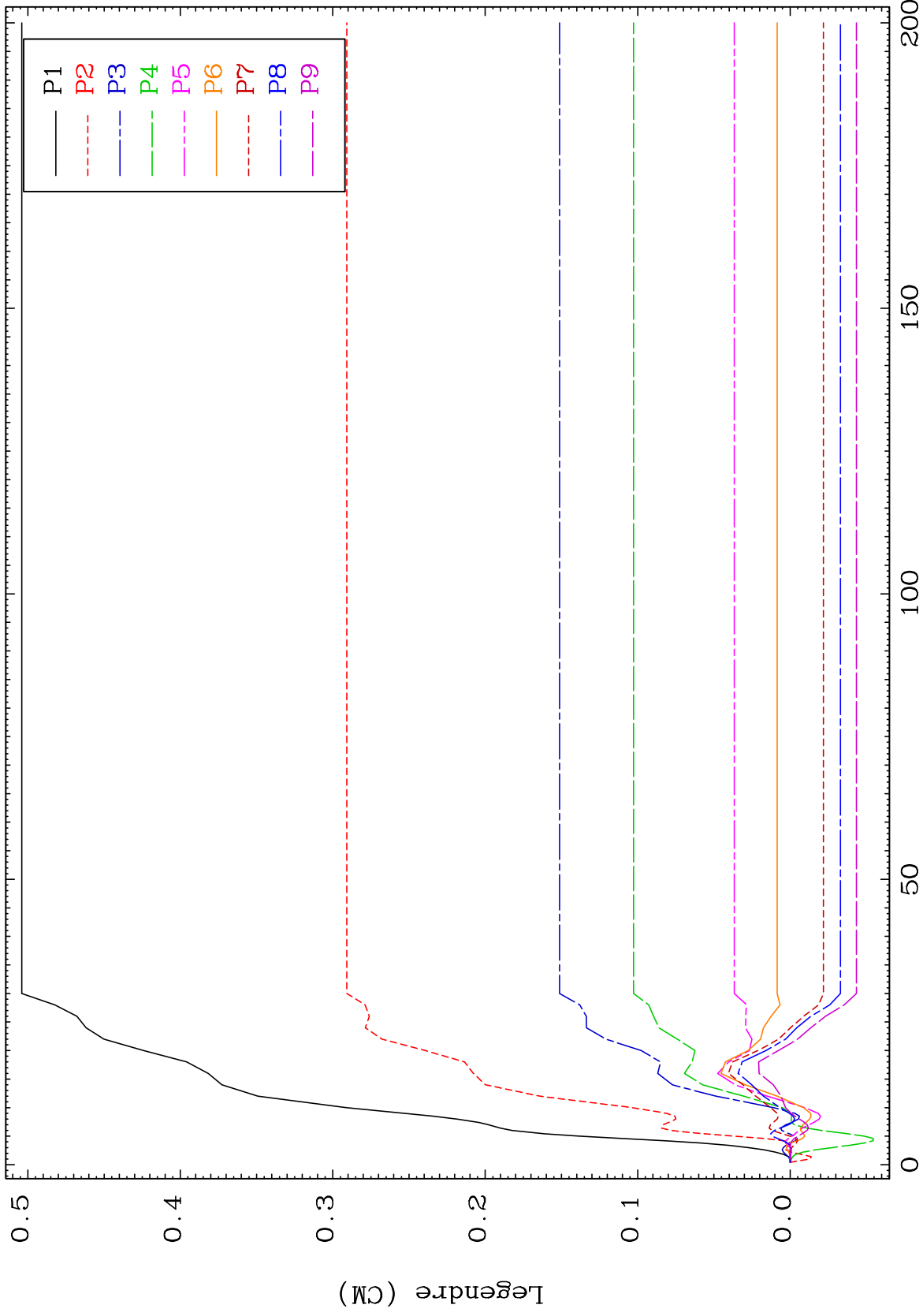


MAT 5864

MT= 63 (n,n') Level

58-Ce-149

Legendre Coefficients



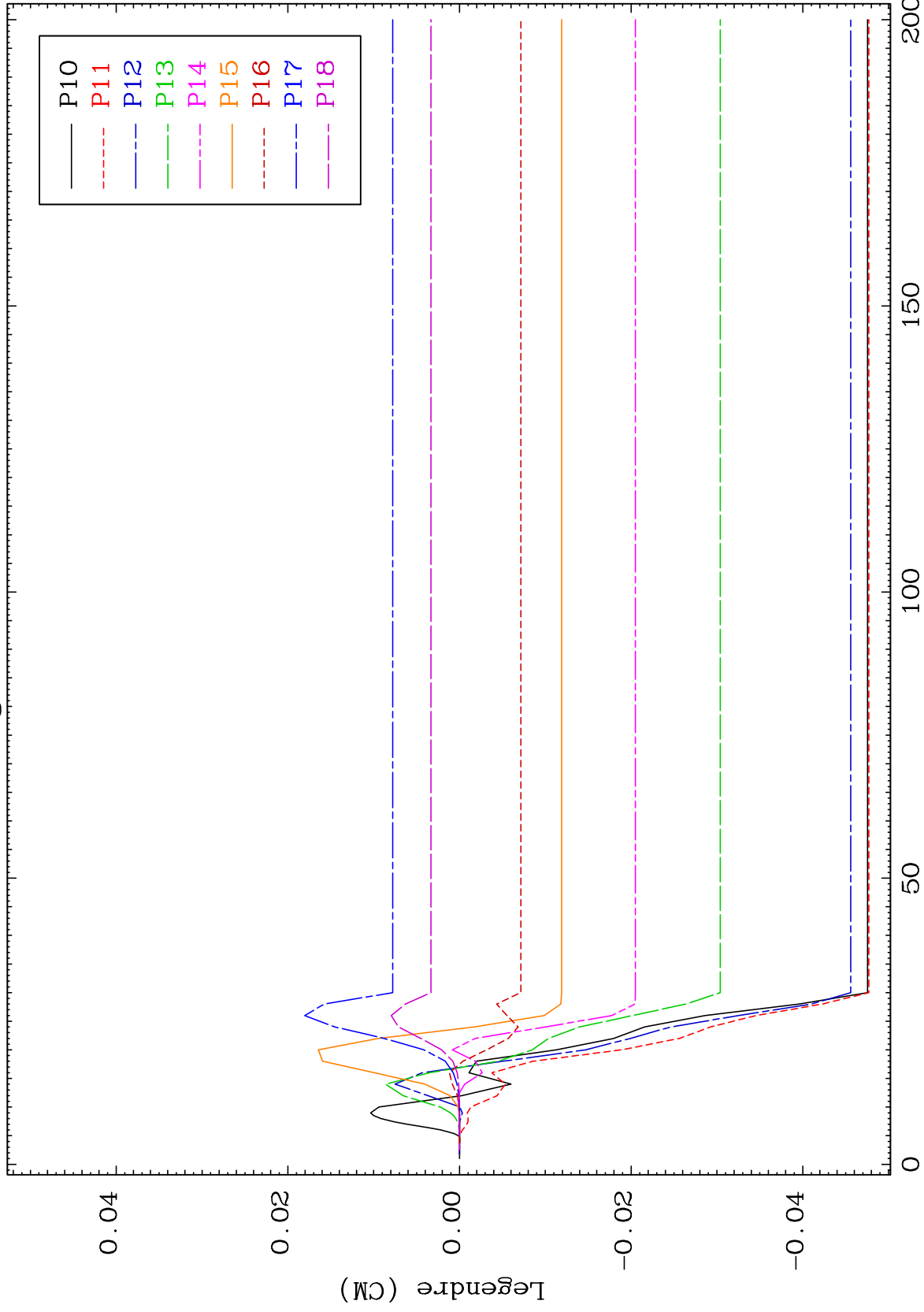
68

58-Ce-149

MAT 5864

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

58-Ce-149



69

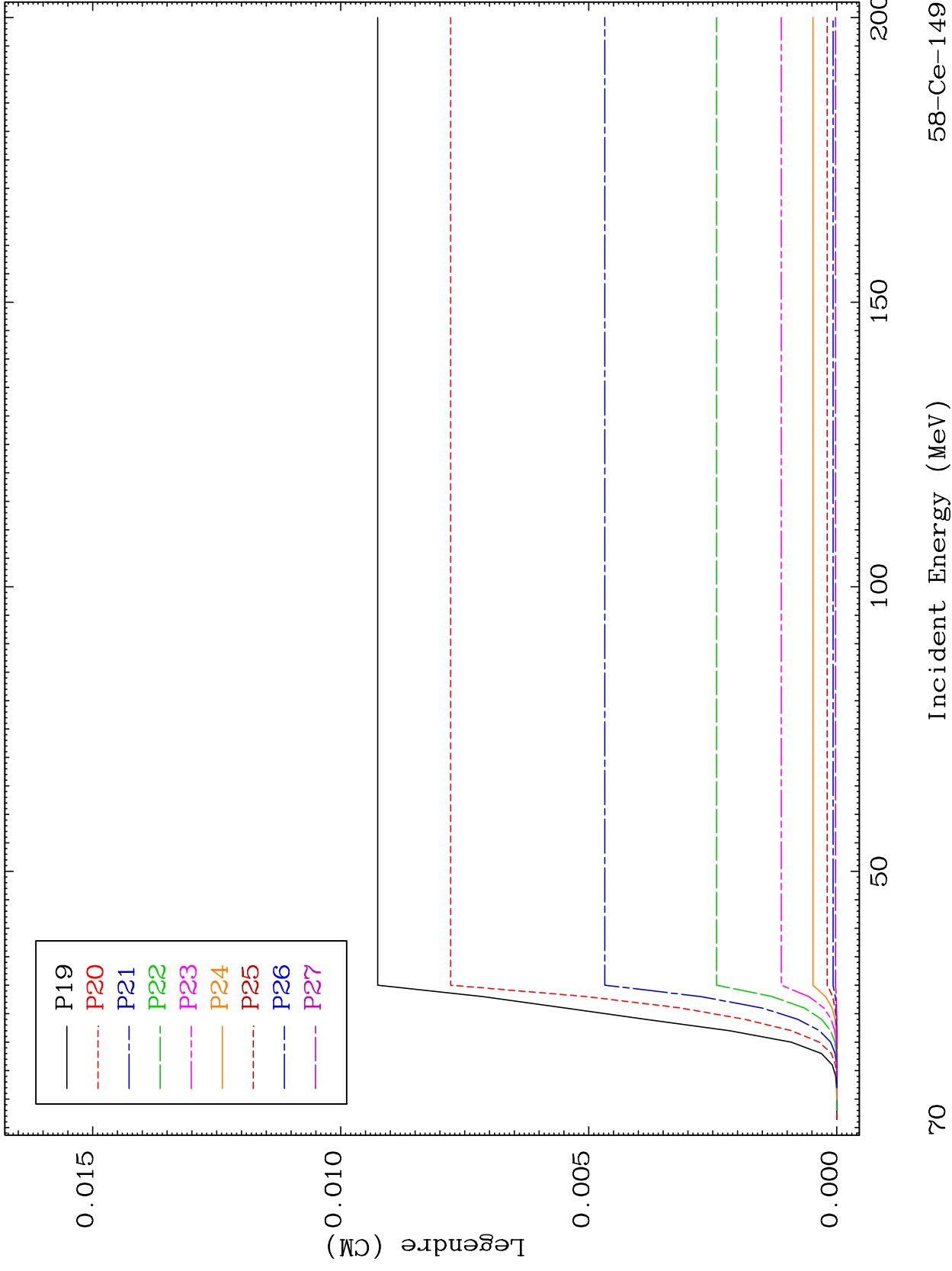
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



70

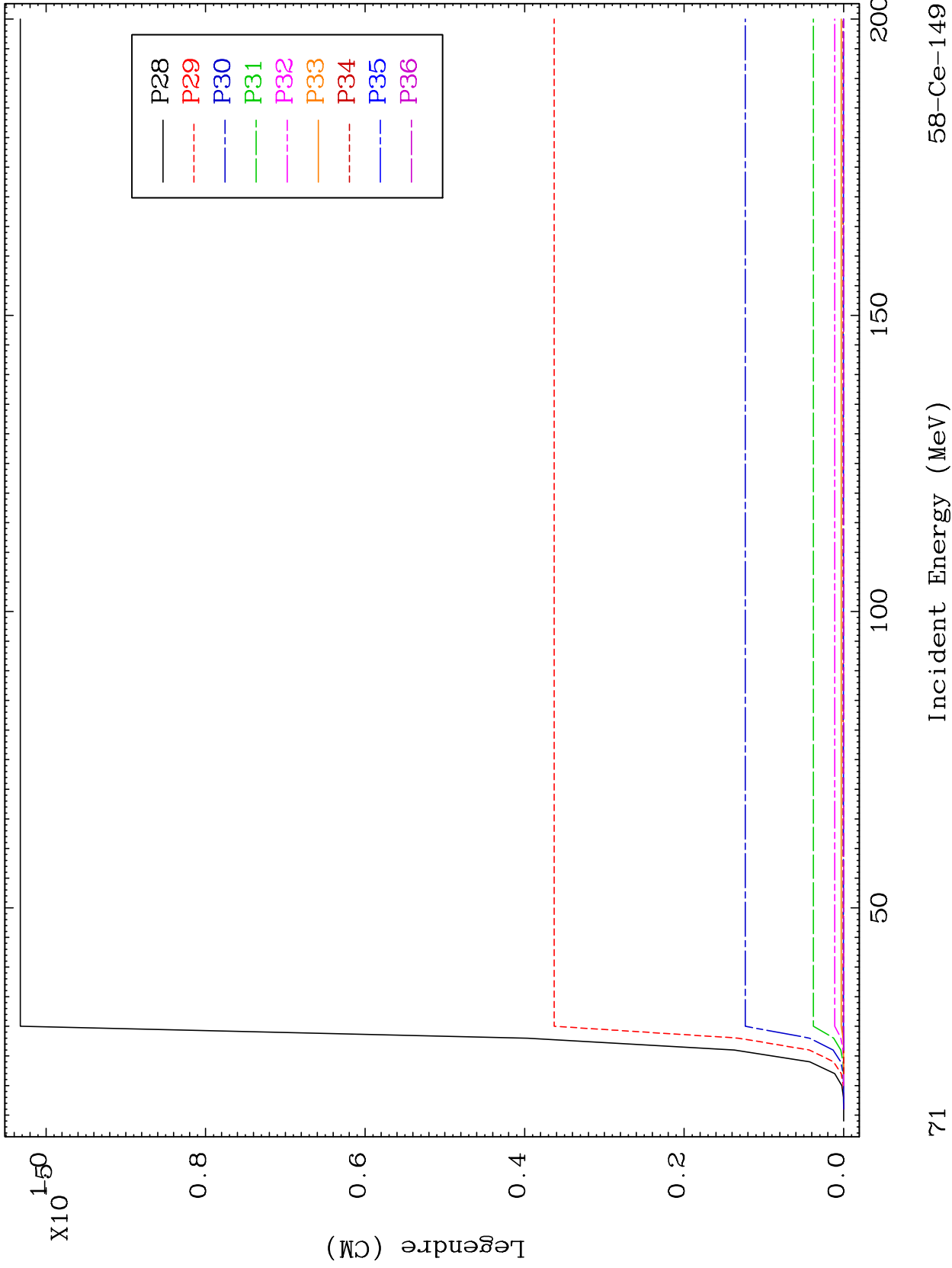
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149

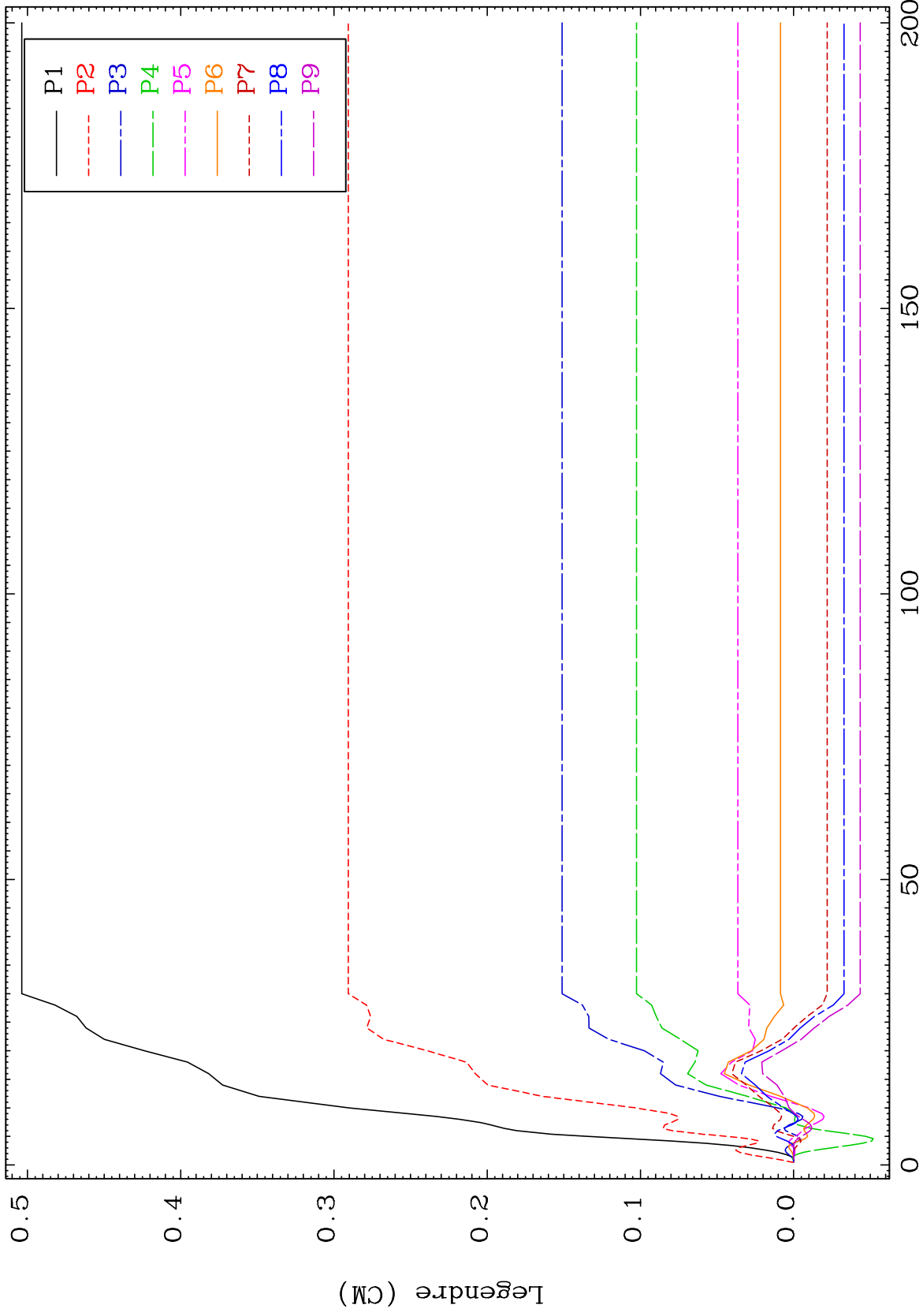




MAT 5864

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

58-Ce-149



72

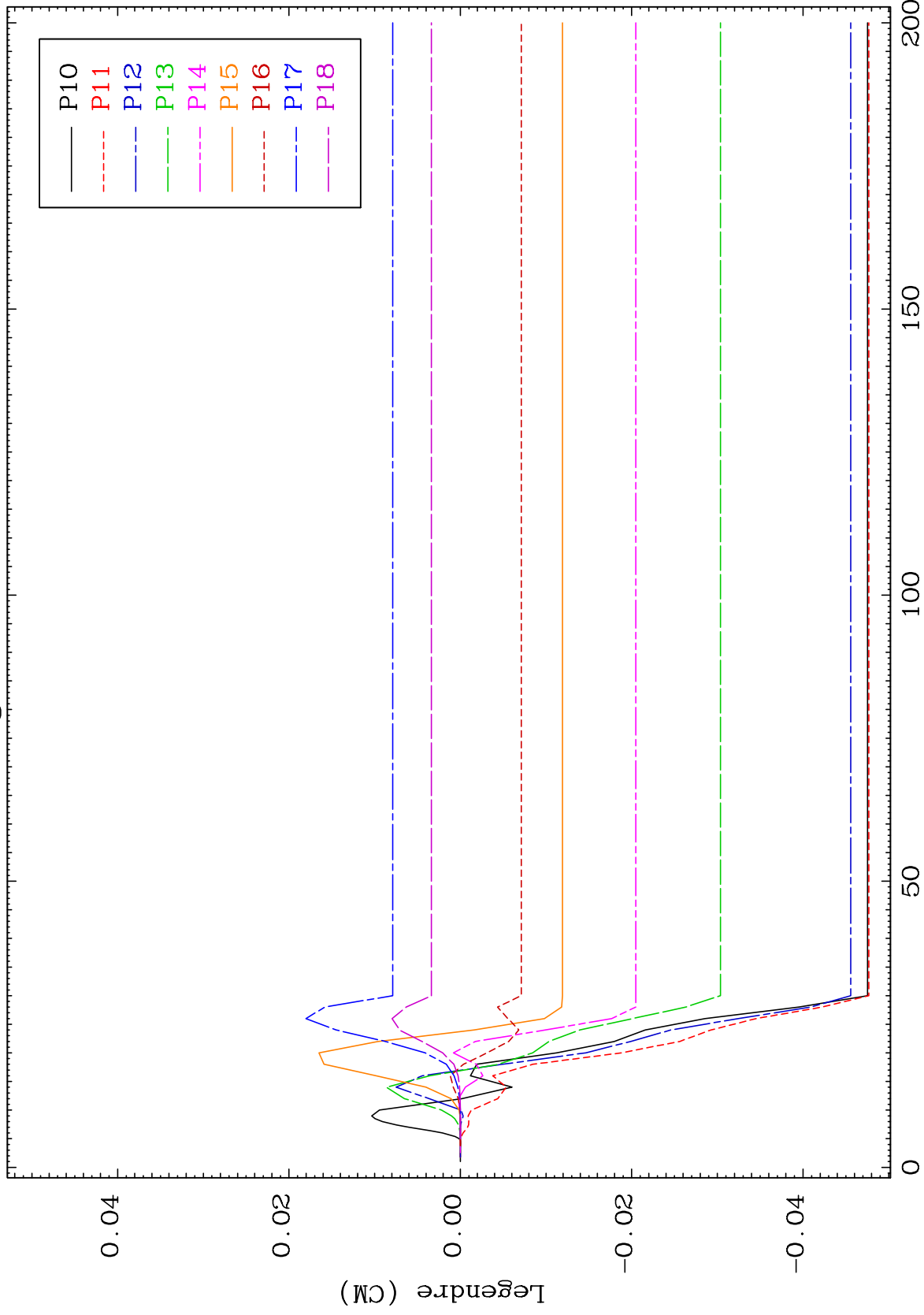
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



73

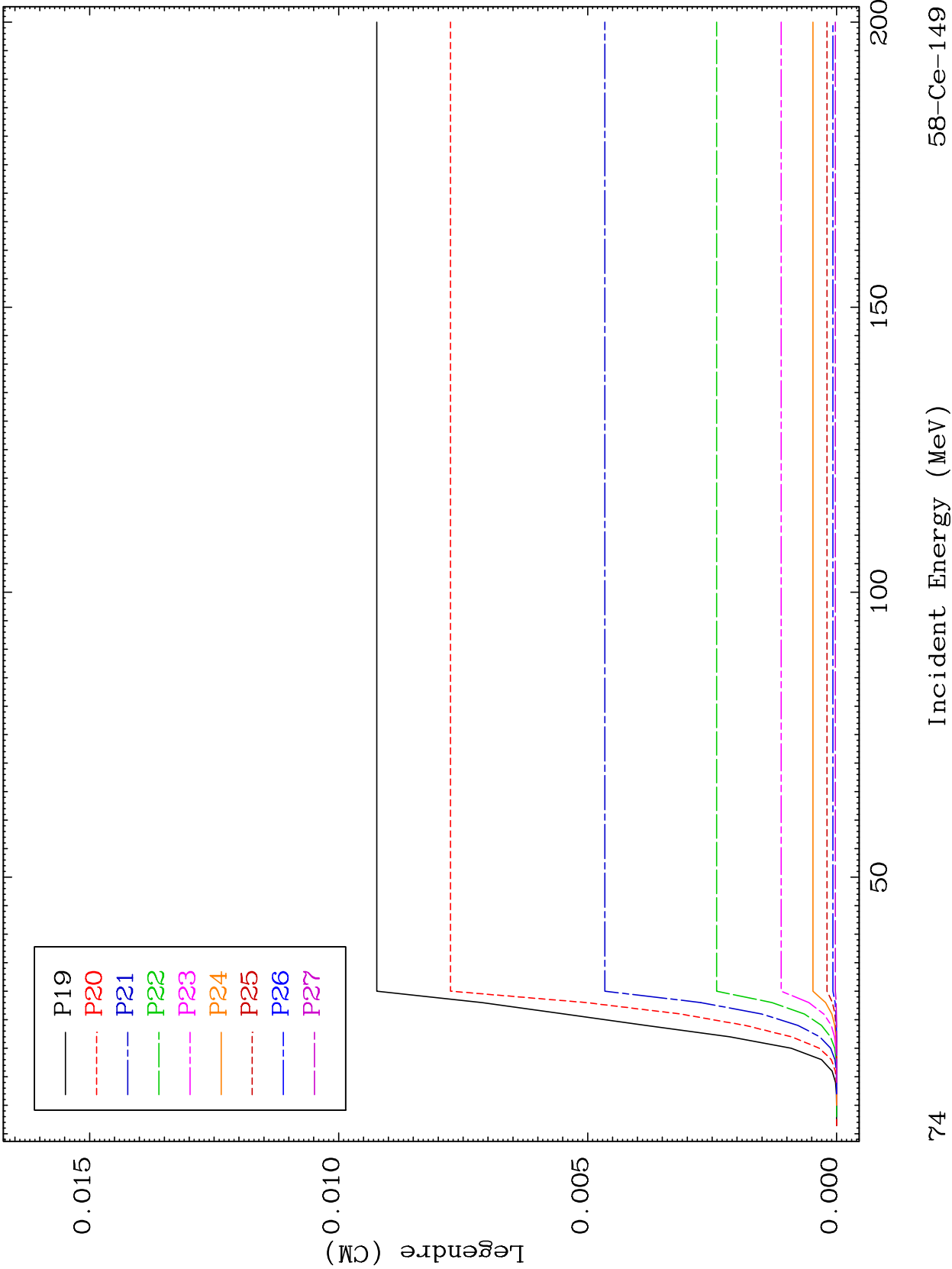
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

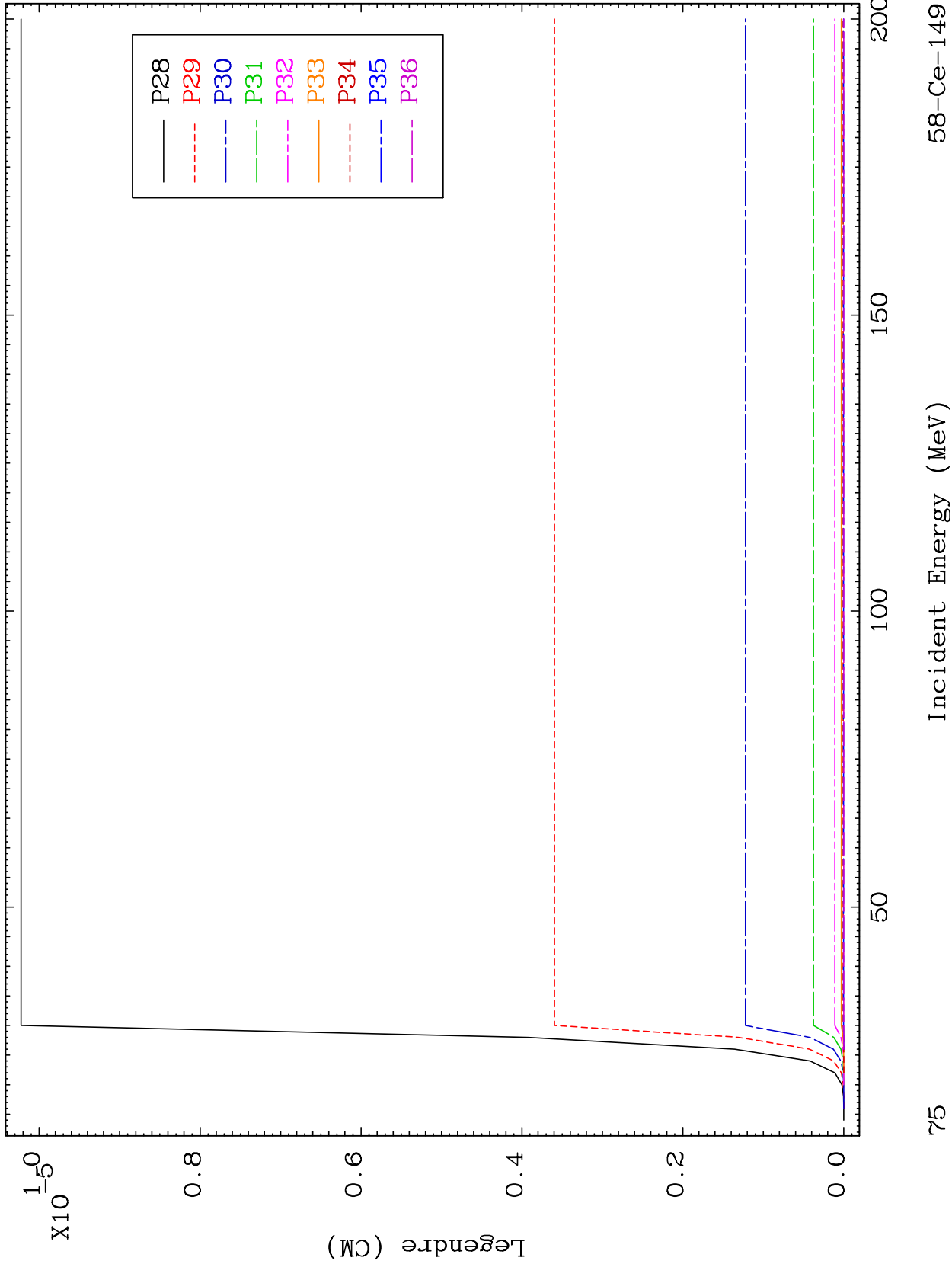
58-Ce-149



MAT 5864

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

58-Ce-149



75

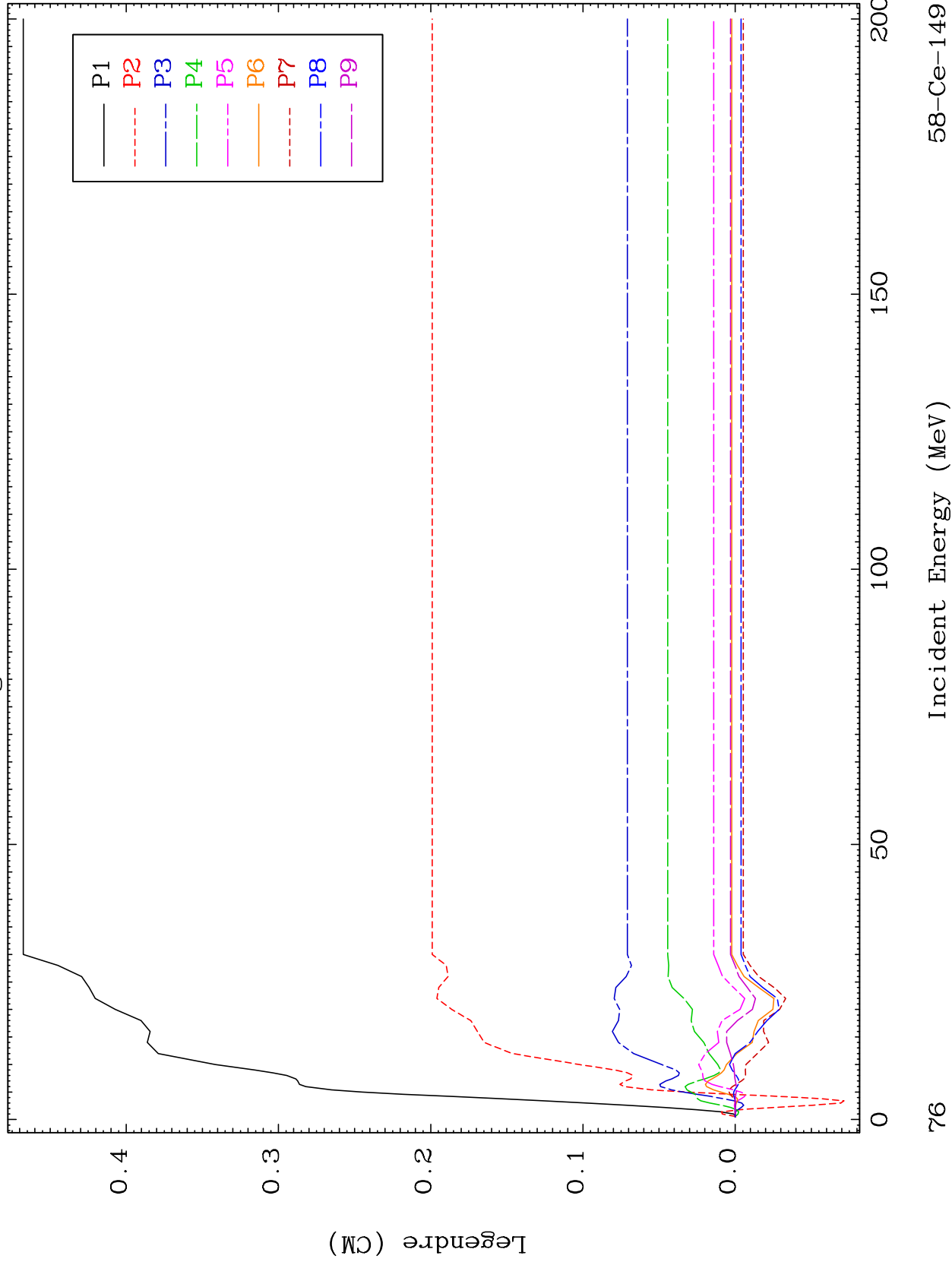
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



58-Ce-149

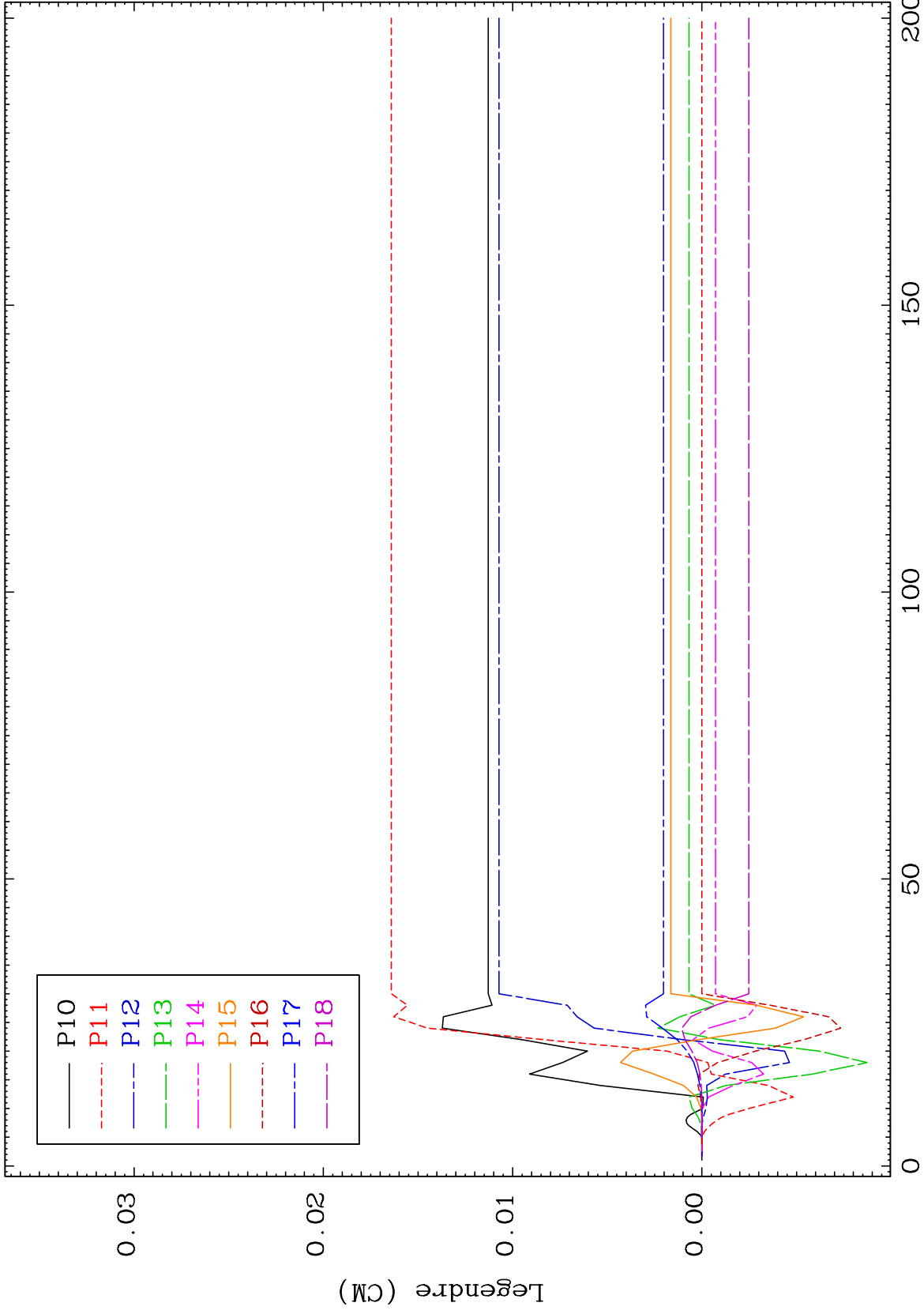
Incident Energy (MeV)

76

MAT 5864

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

58-Ce-149



77

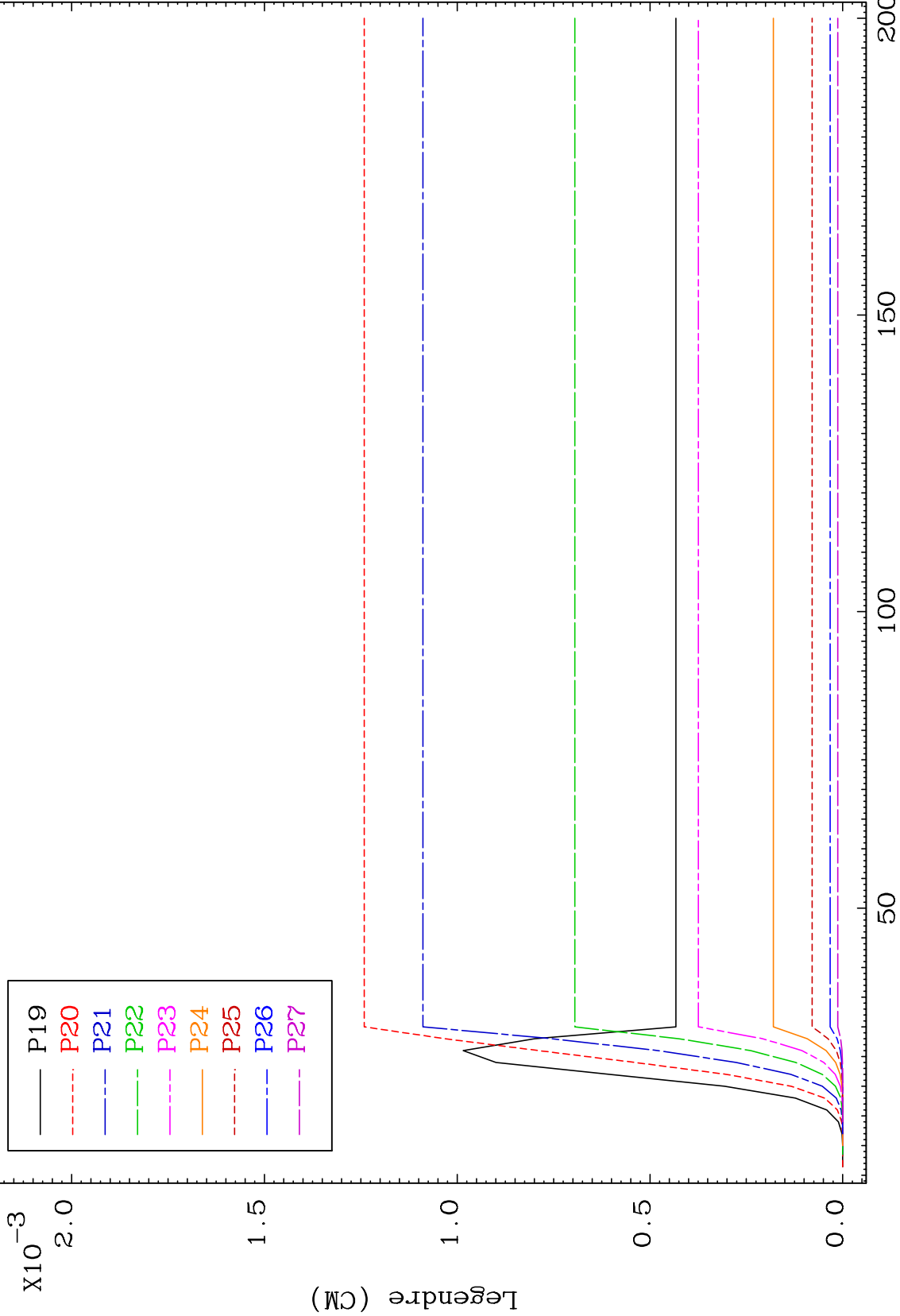
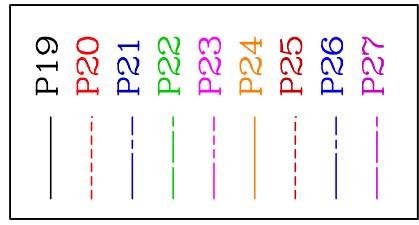
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



78

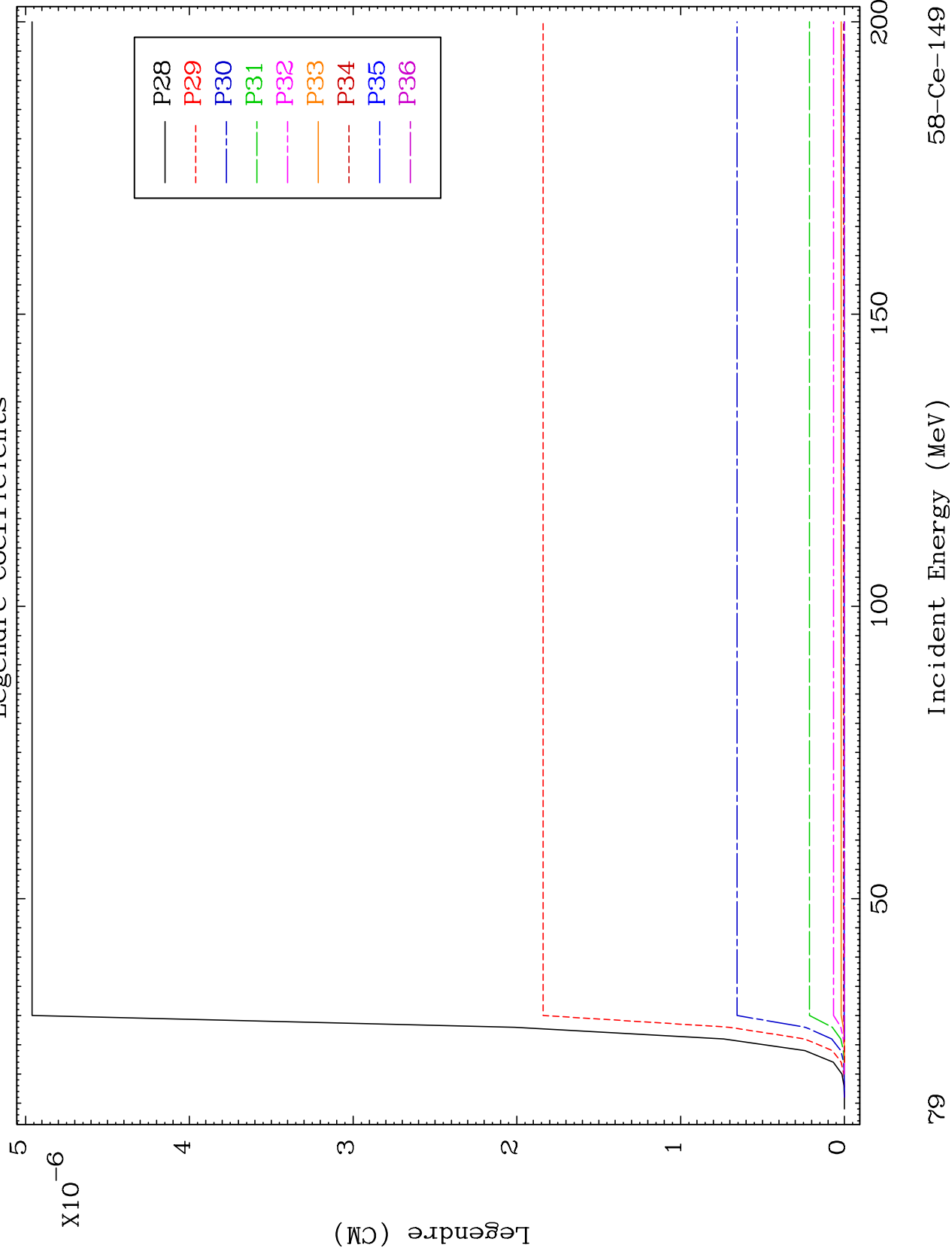
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149

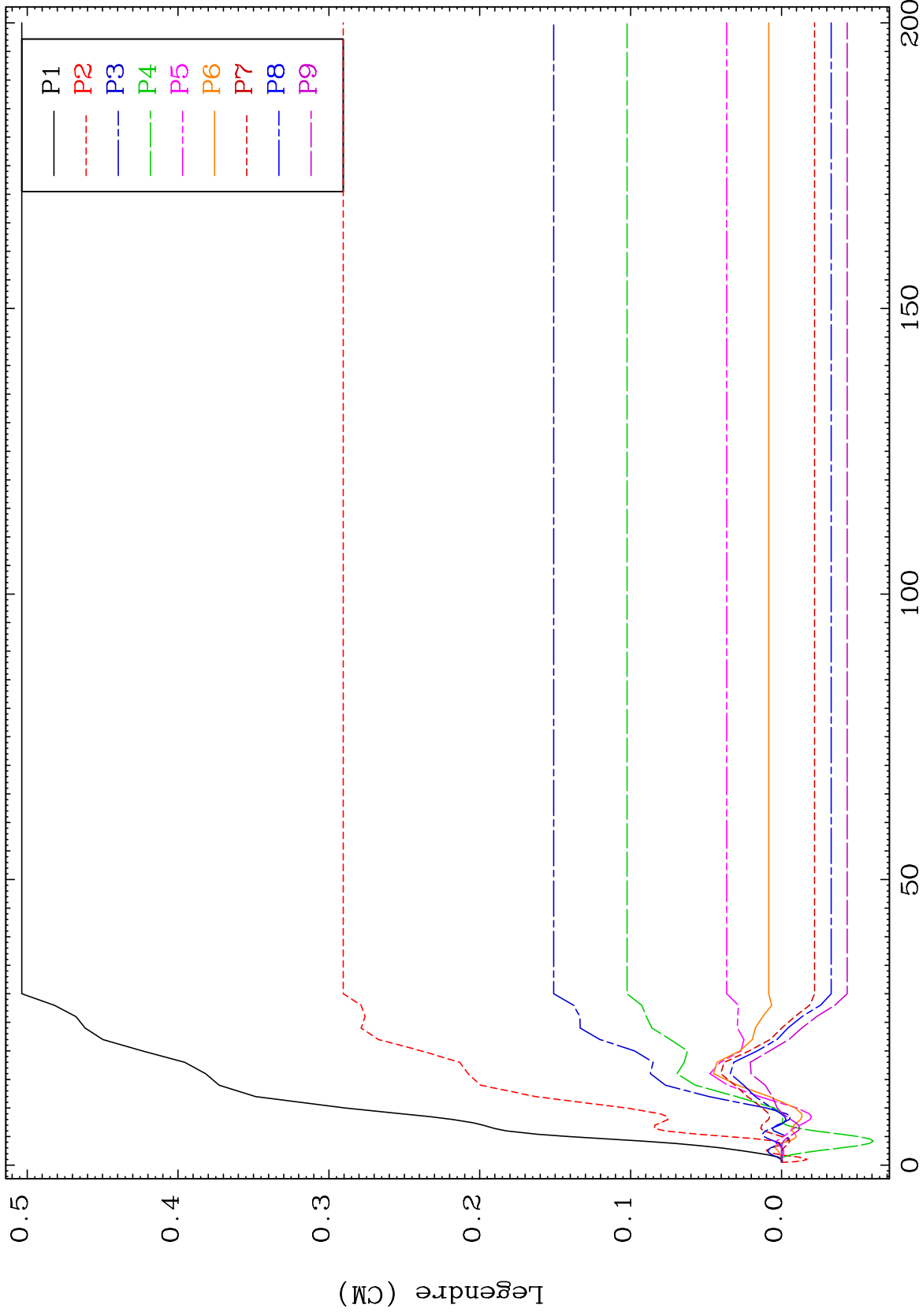




MAT 5864

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

58-Ce-149



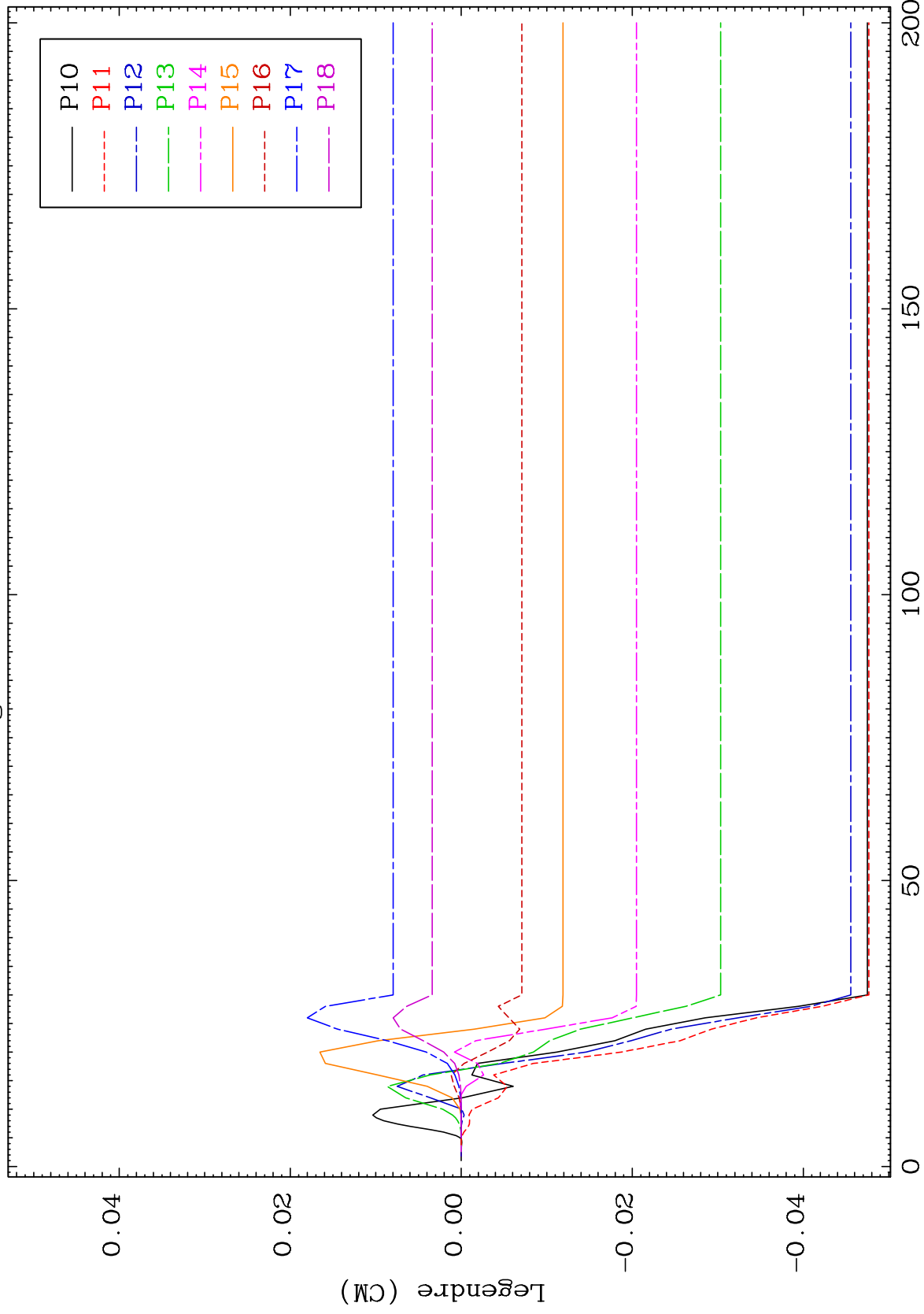
58-Ce-149

Incident Energy (MeV)

MAT 5864

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

58-Ce-149



81

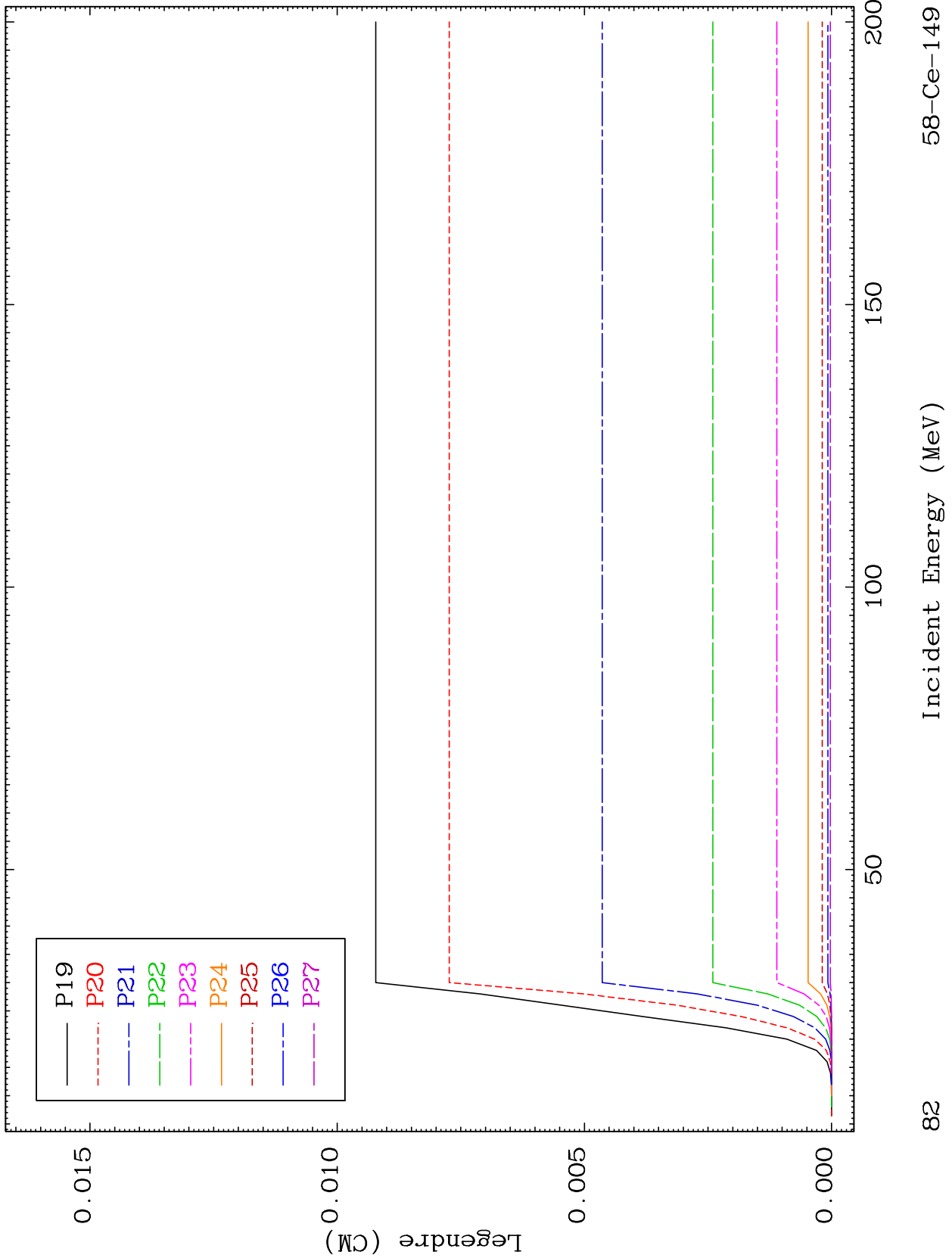
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

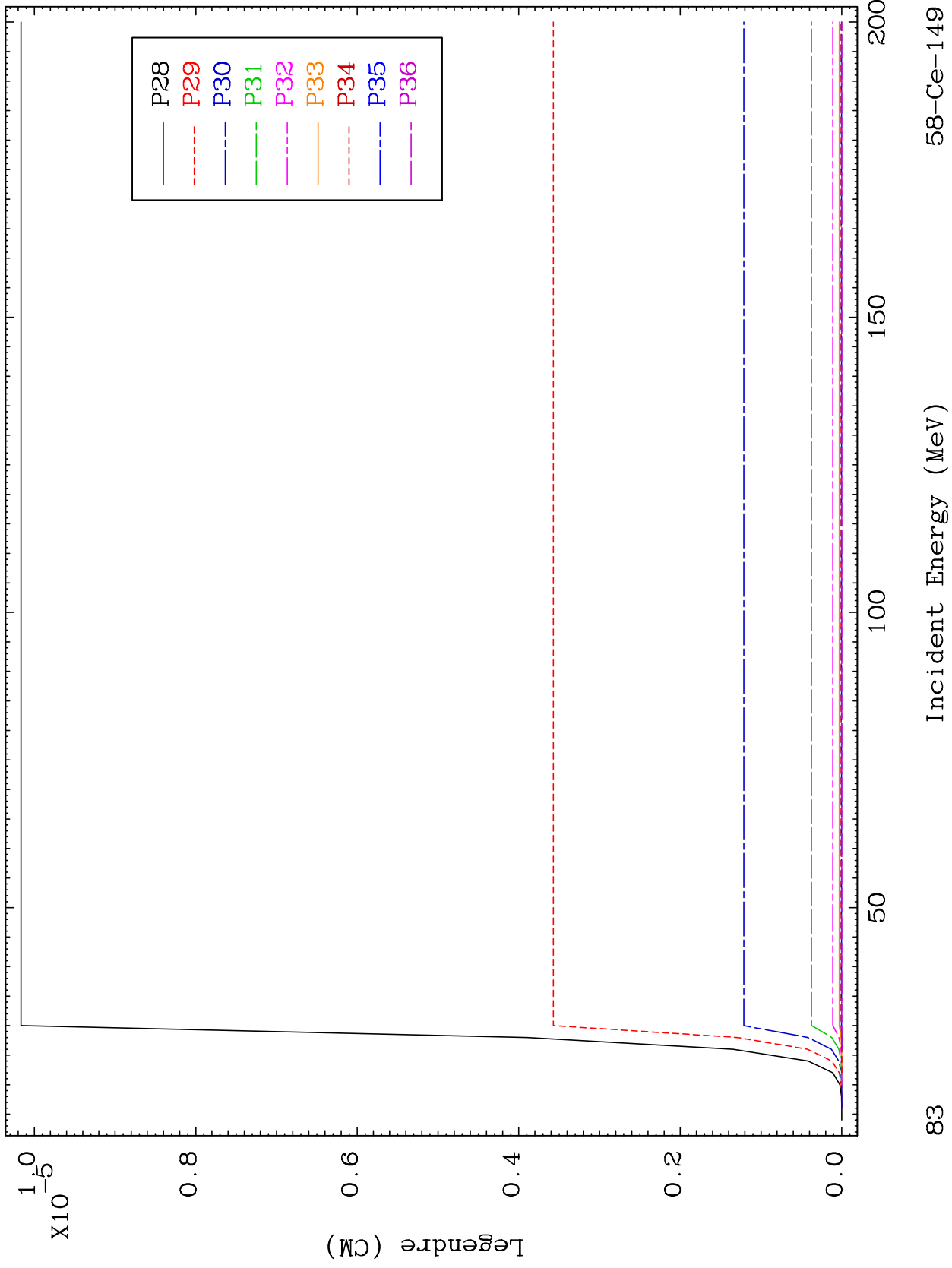
58-Ce-149



MAT 5864

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

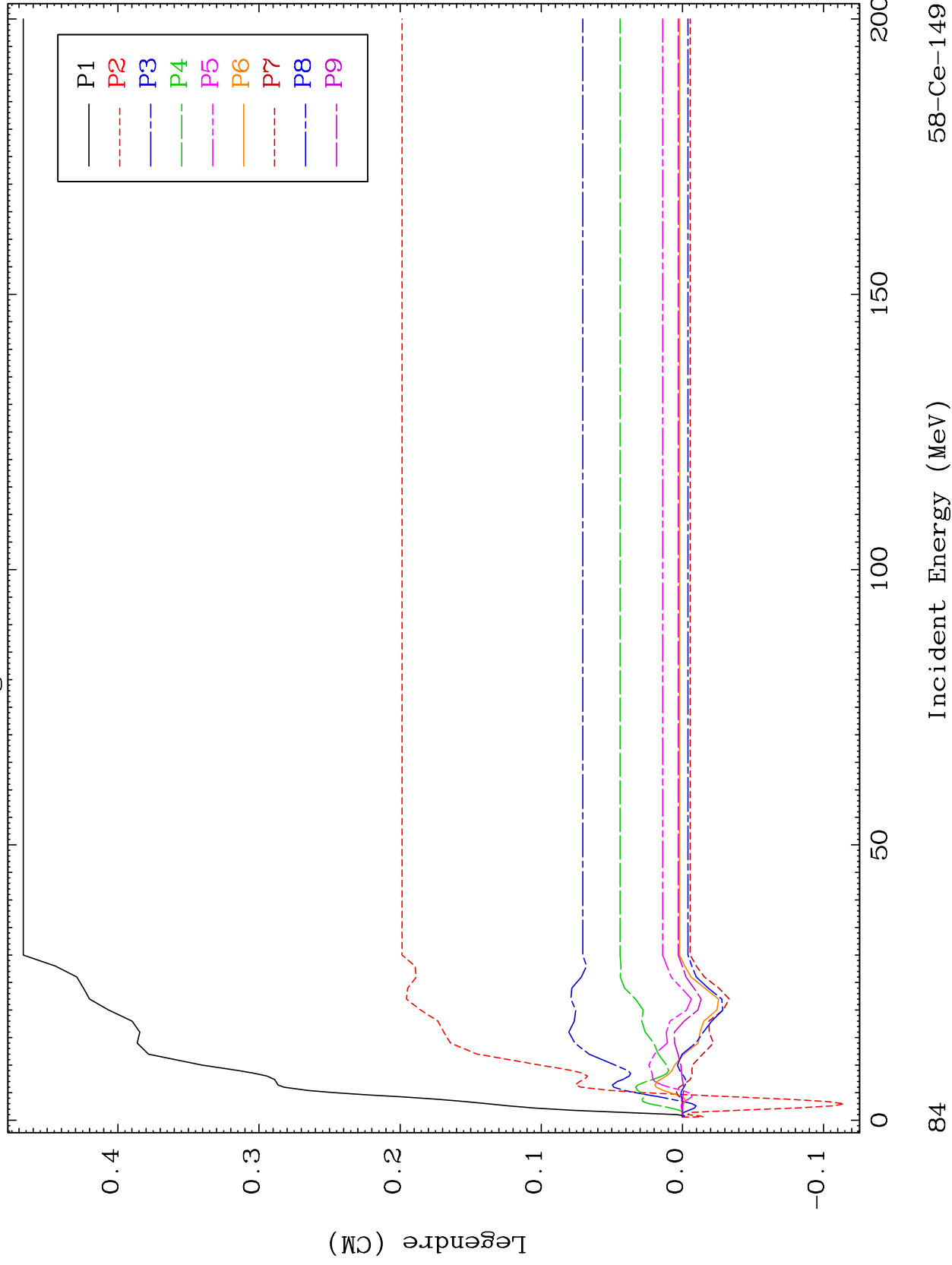
58-Ce-149



MAT 5864

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

58-Ce-149



58-Ce-149

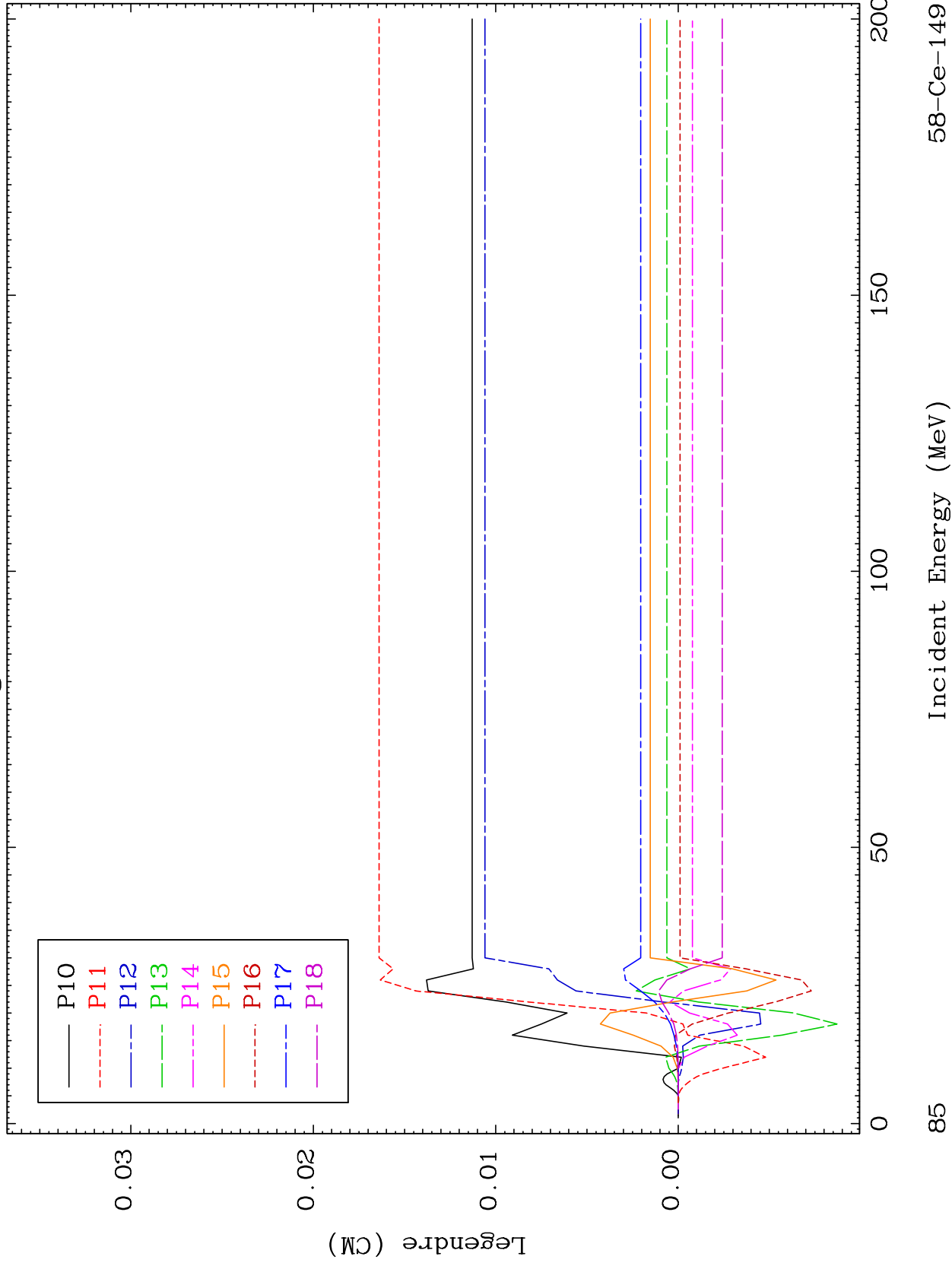
Incident Energy (MeV)

84

MAT 5864

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

58-Ce-149



58-Ce-149

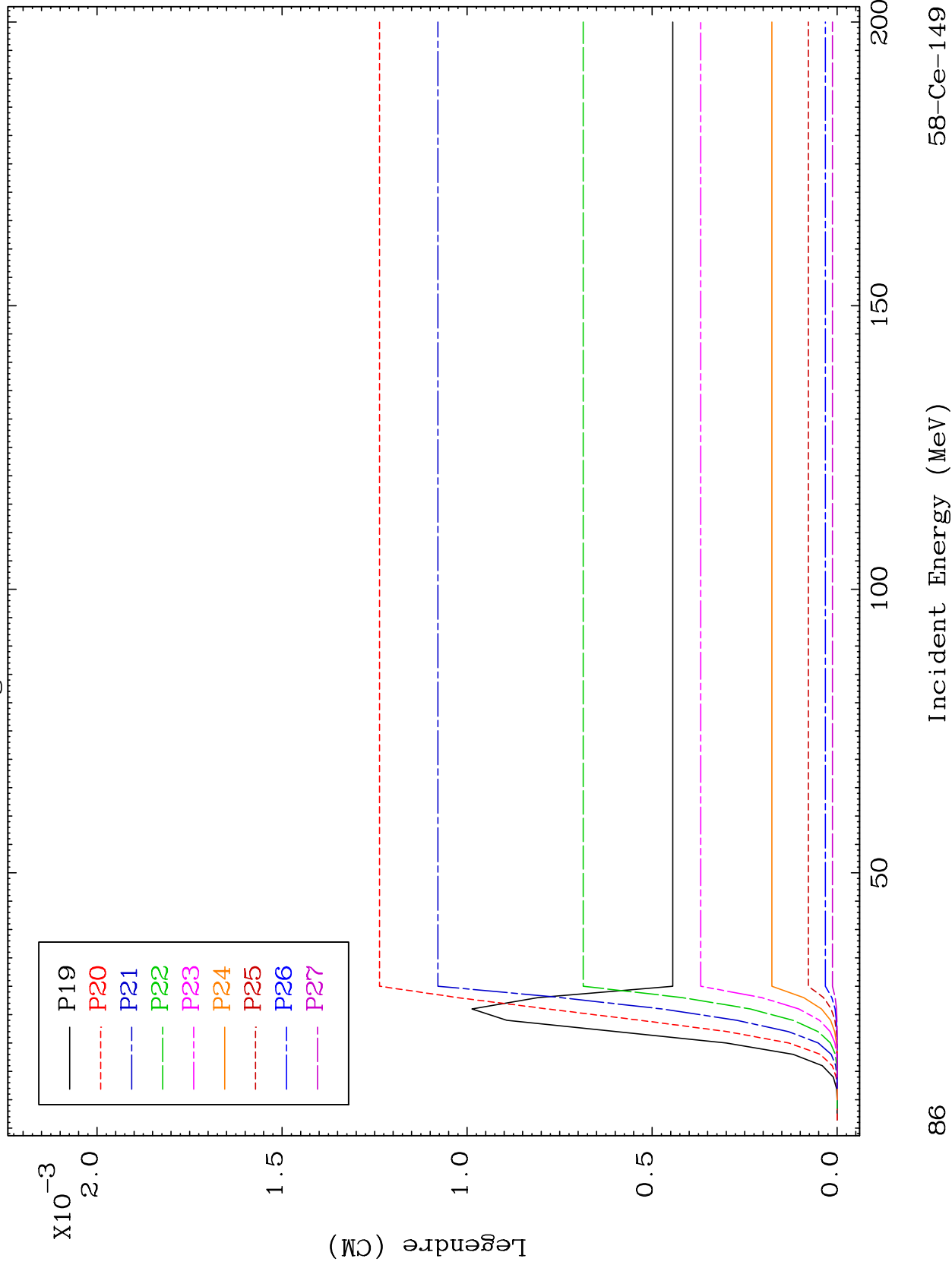
Incident Energy (MeV)

85

MAT 5864

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

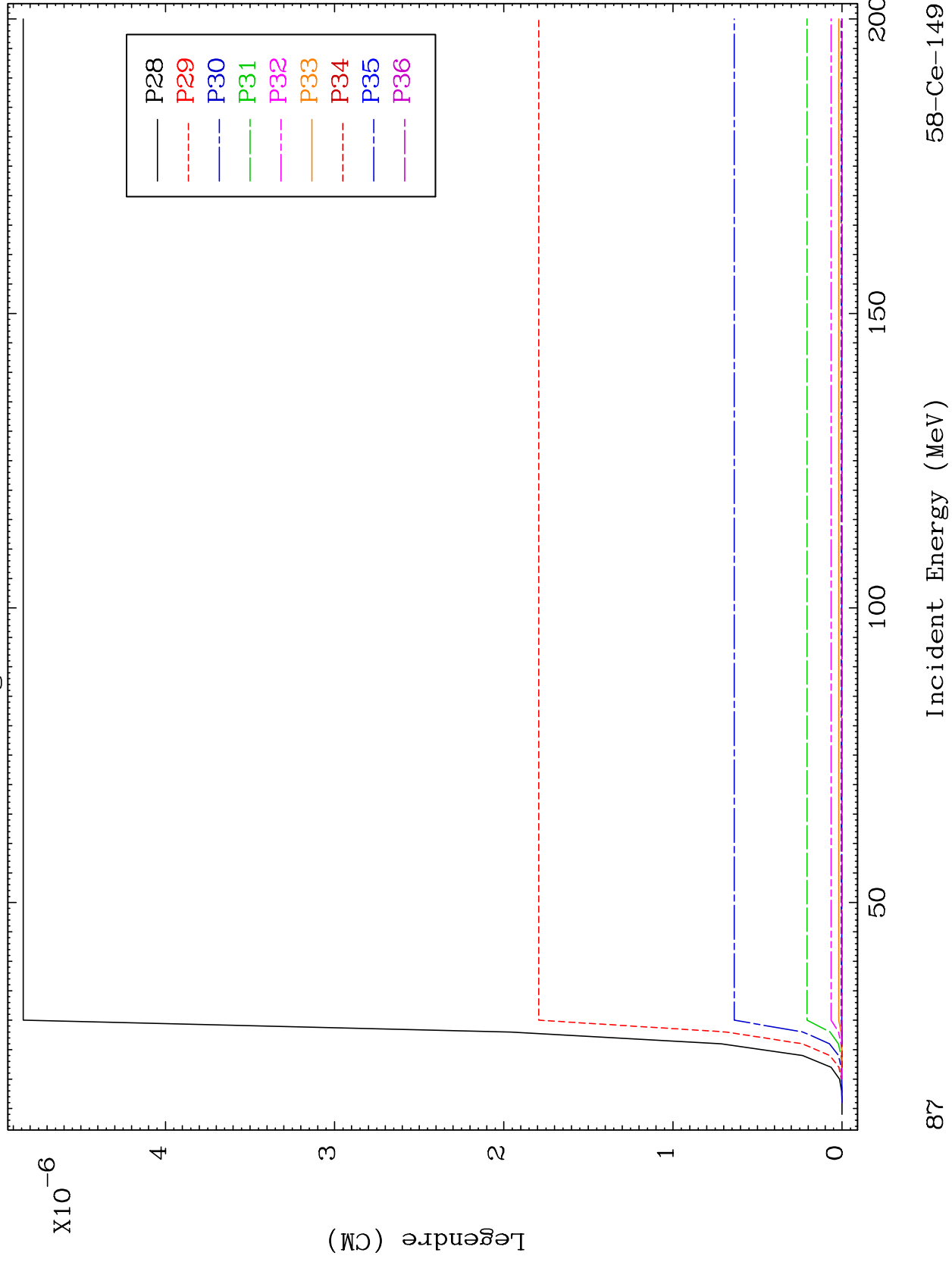
58-Ce-149



MAT 5864

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

58-Ce-149



87

Incident Energy (MeV)

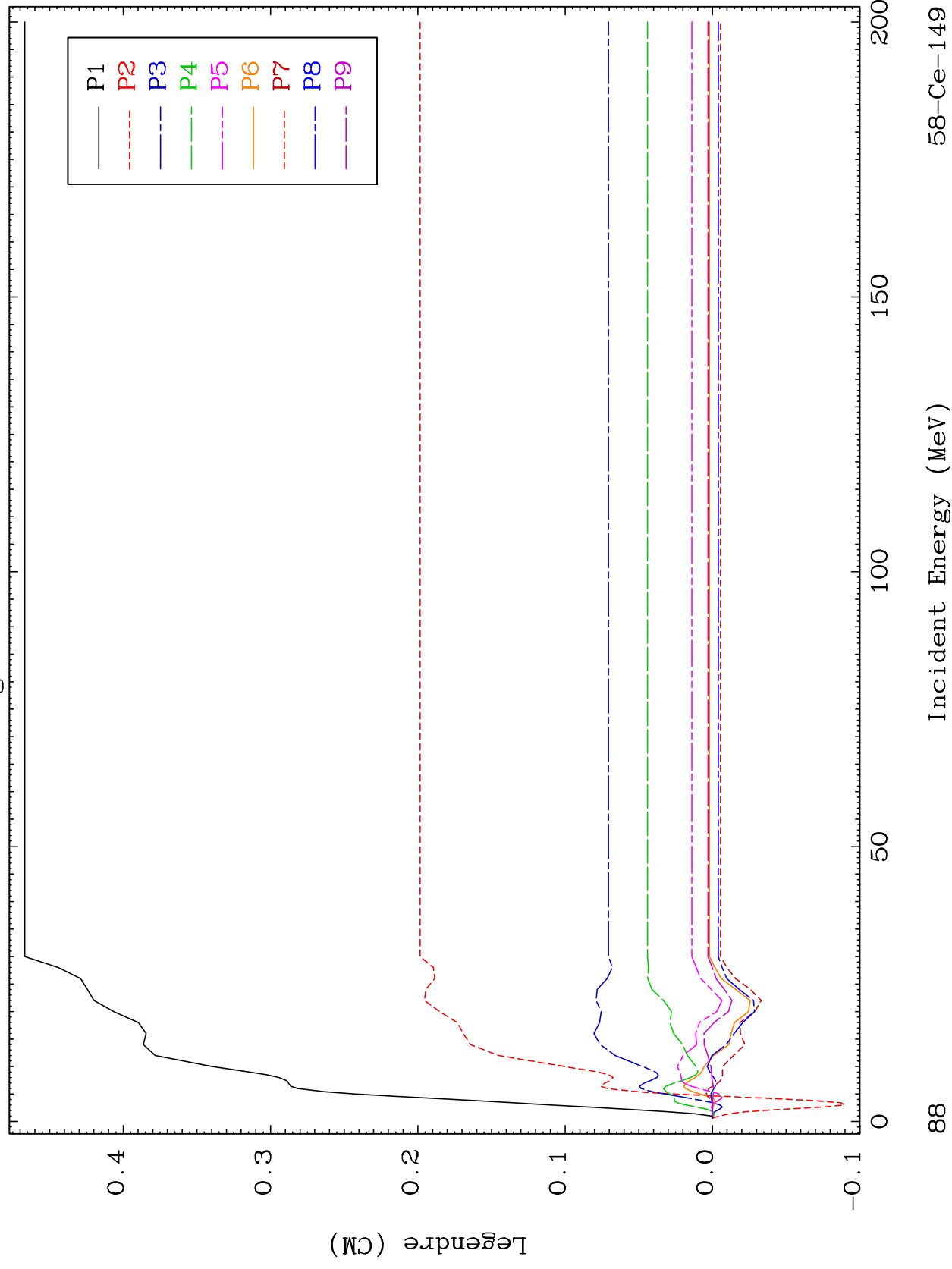
58-Ce-149



MAT 5864

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

58-Ce-149



58-Ce-149

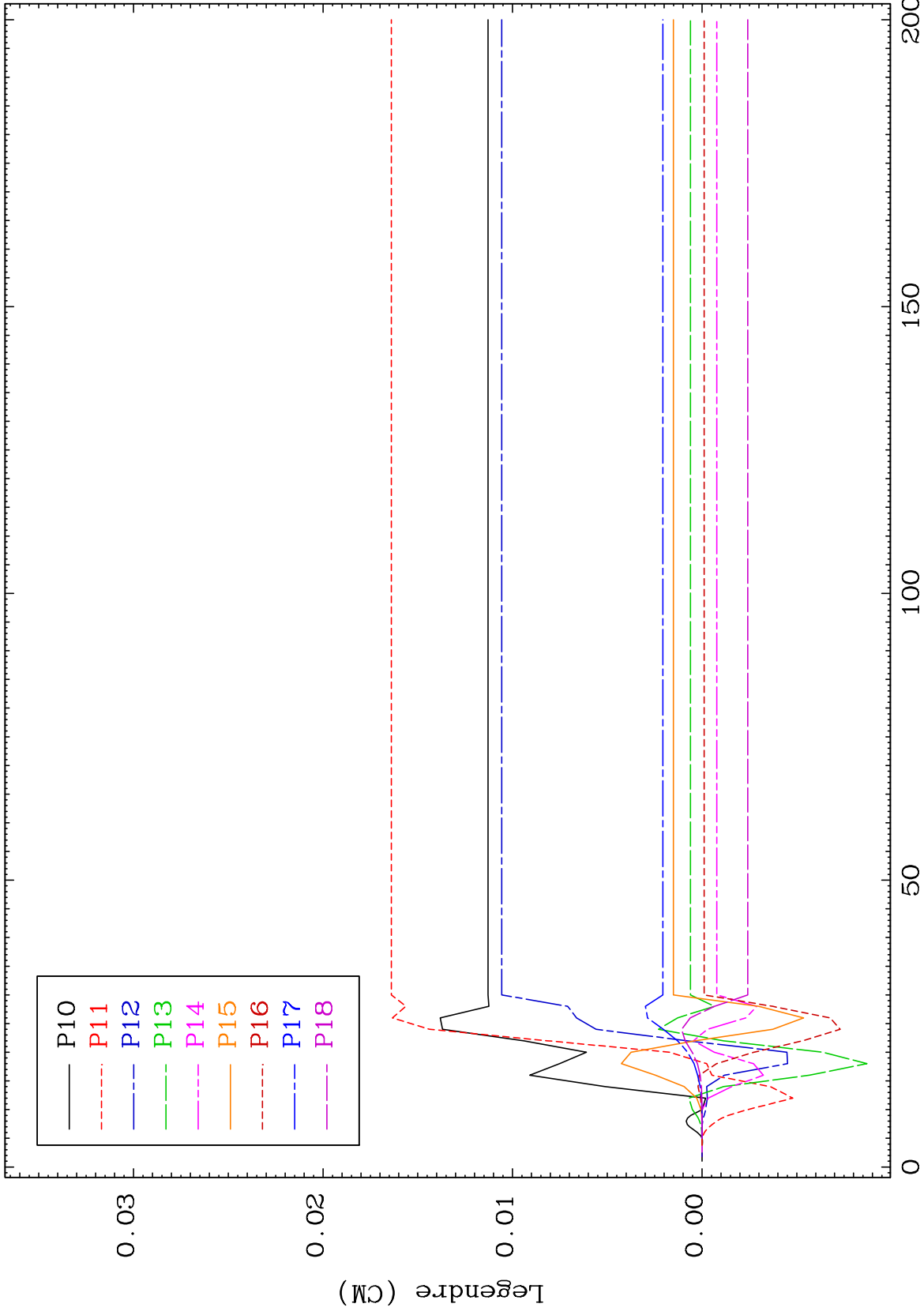
Incident Energy (MeV)

88

MAT 5864

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

58-Ce-149



89

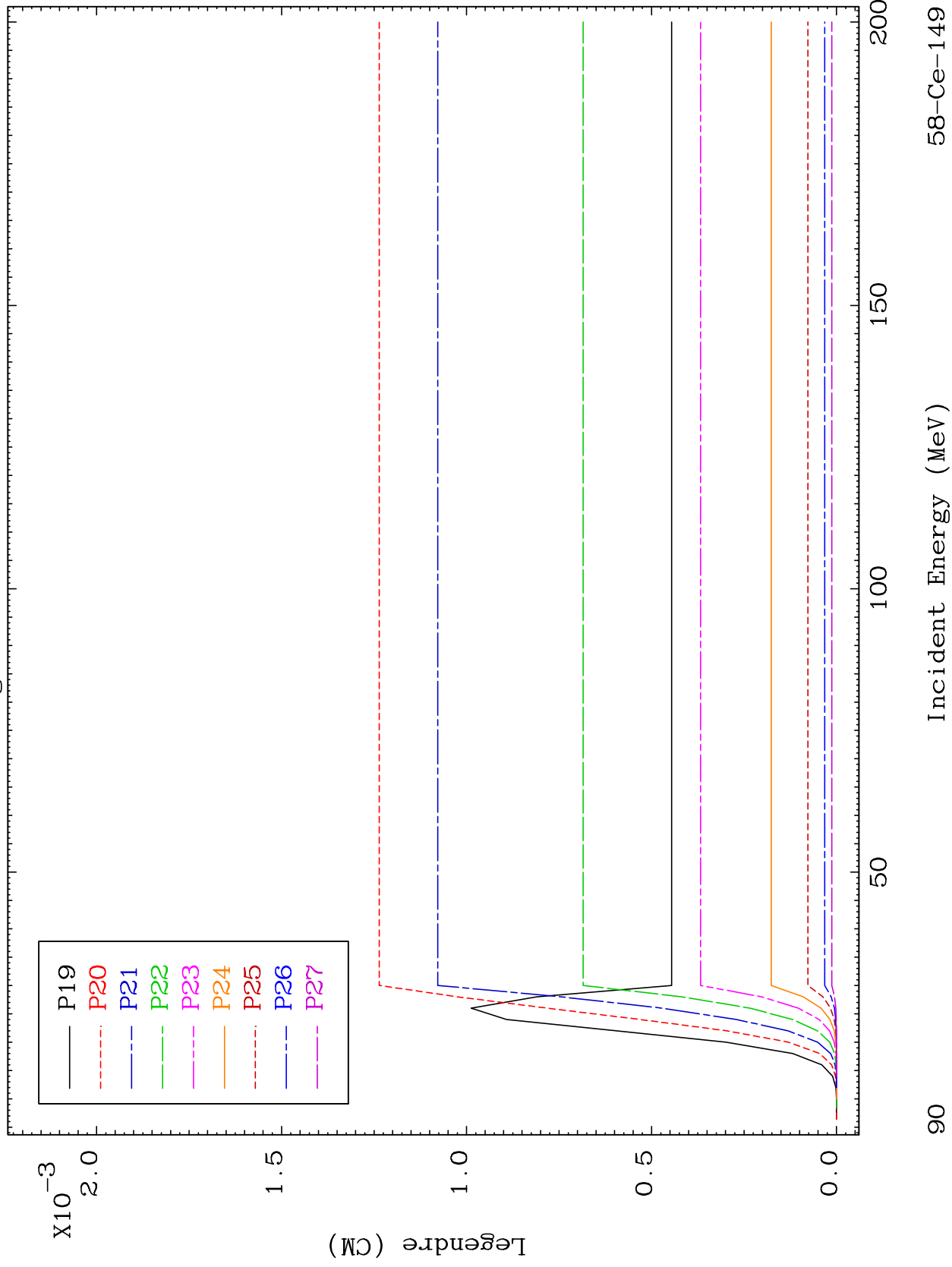
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

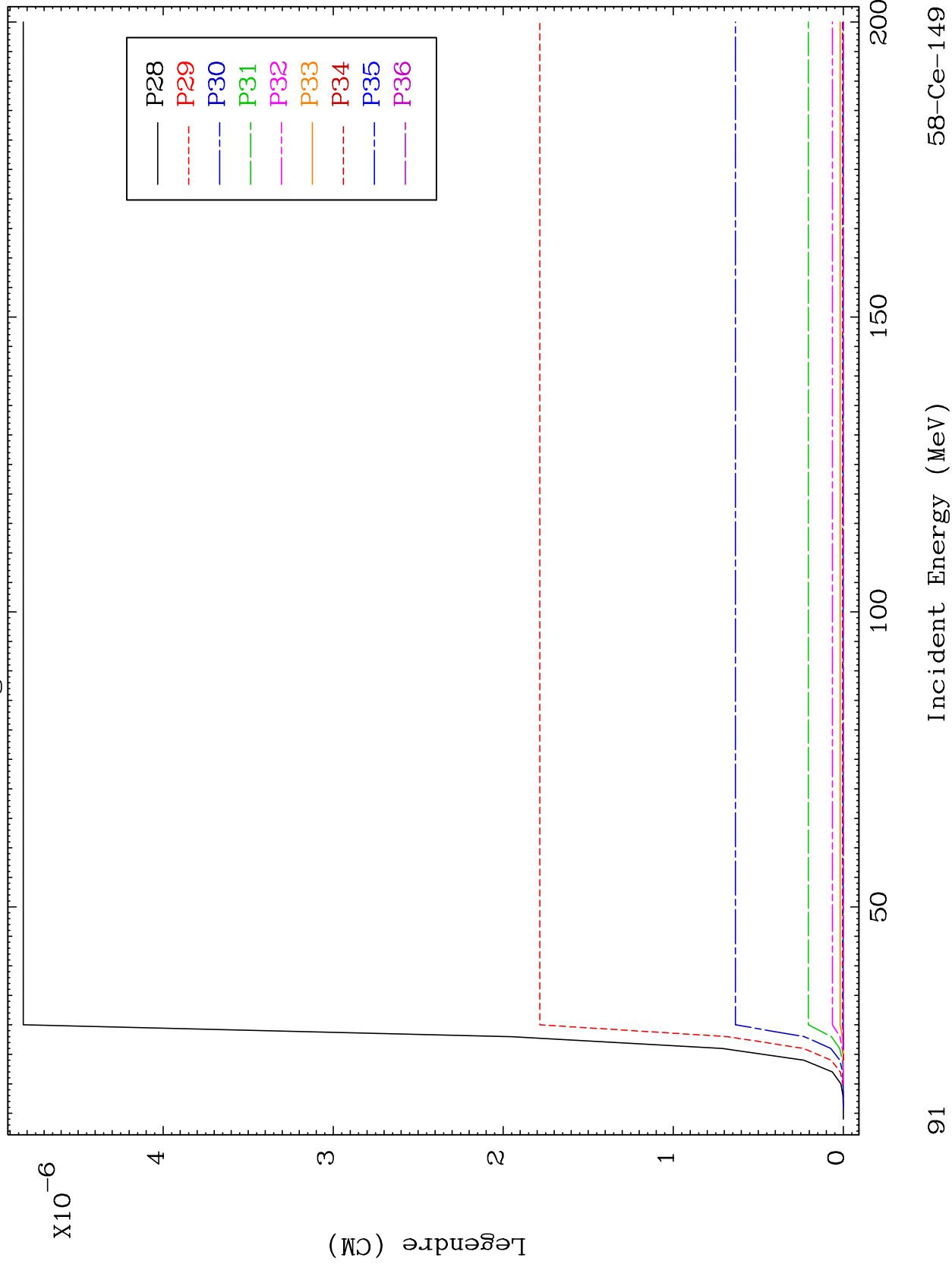
58-Ce-149



MAT 5864

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

58-Ce-149

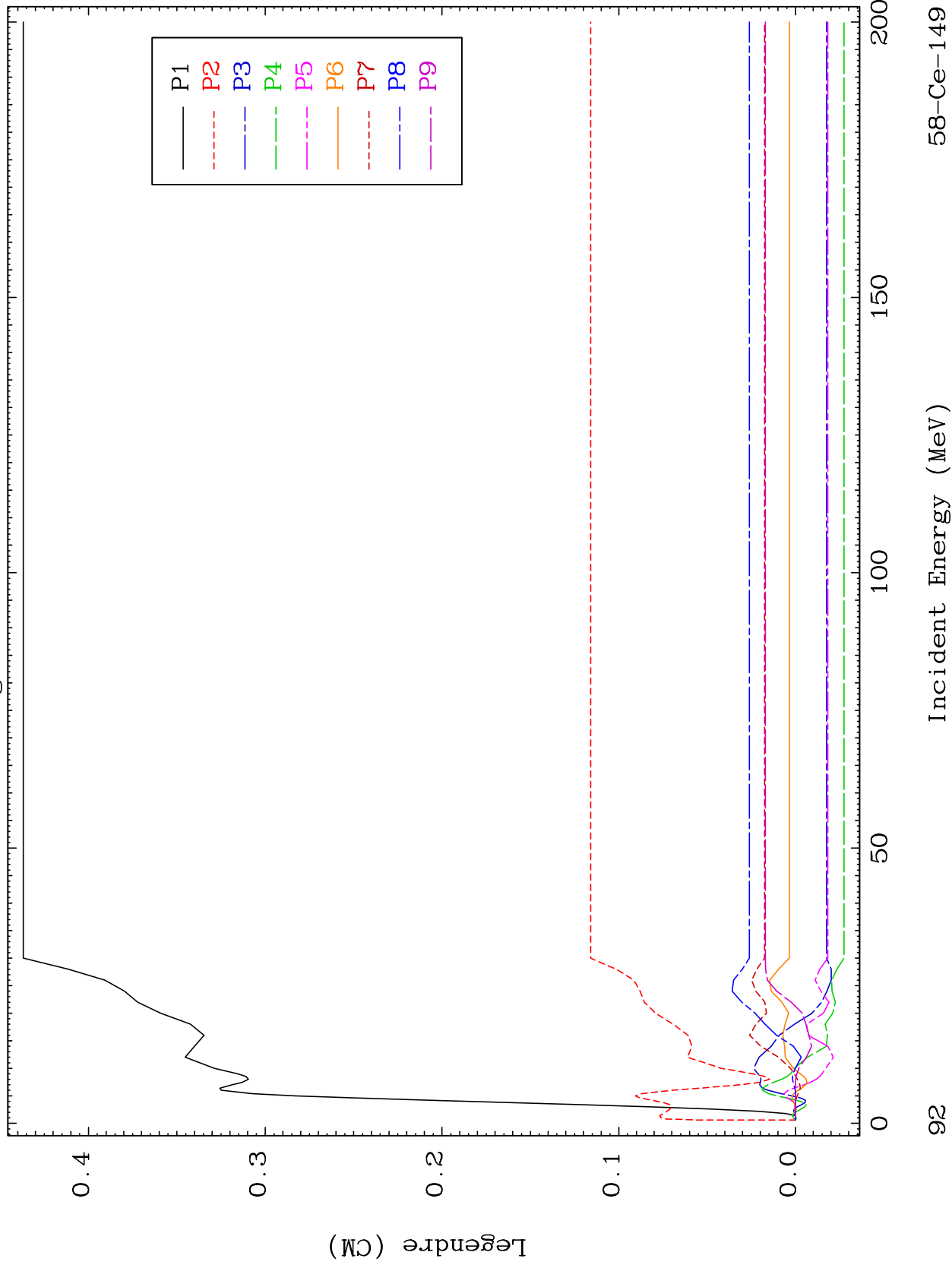


91

MAT 5864

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

58-Ce-149



58-Ce-149

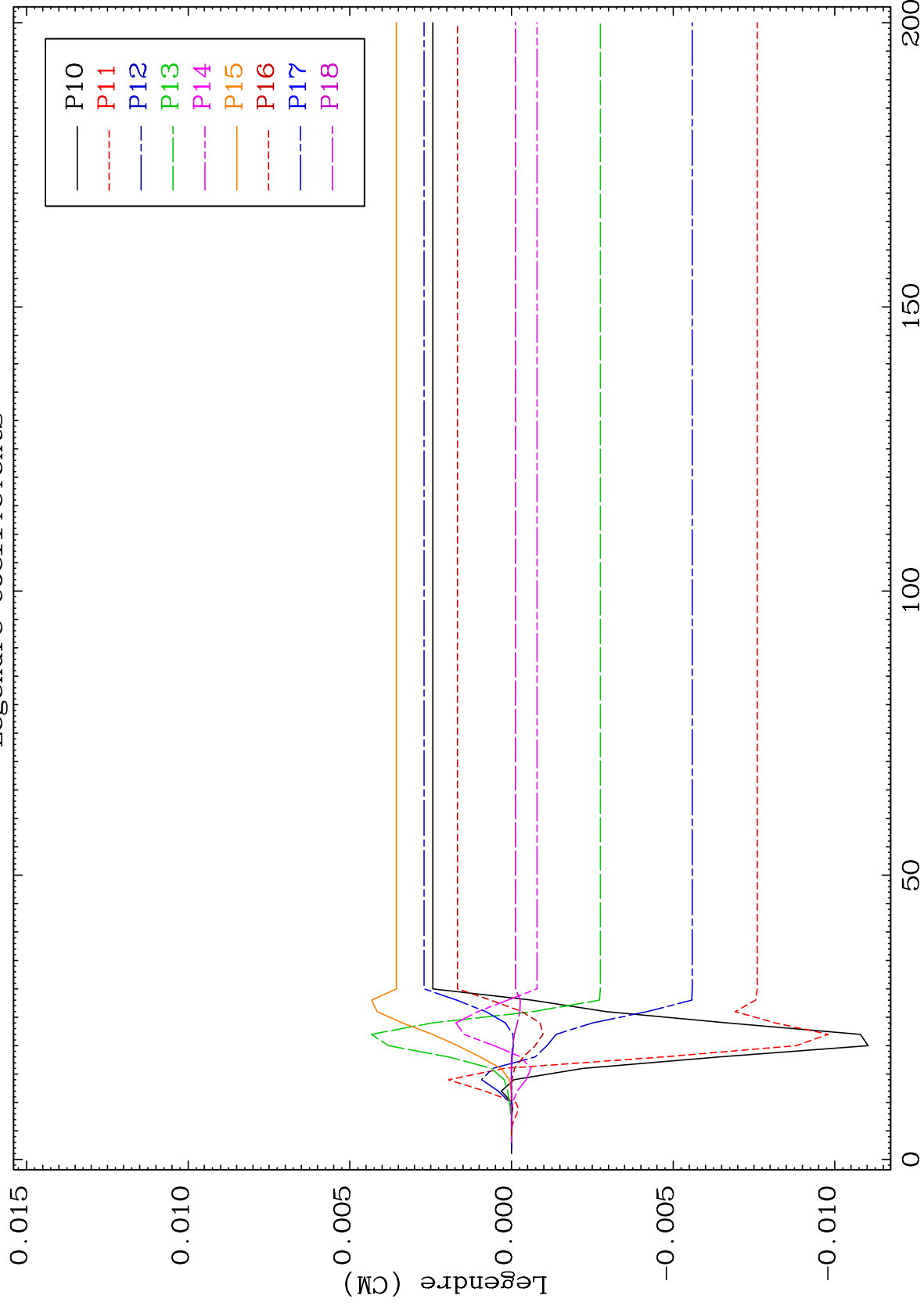
Incident Energy (MeV)

92

MAT 5864

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

58-Ce-149



93

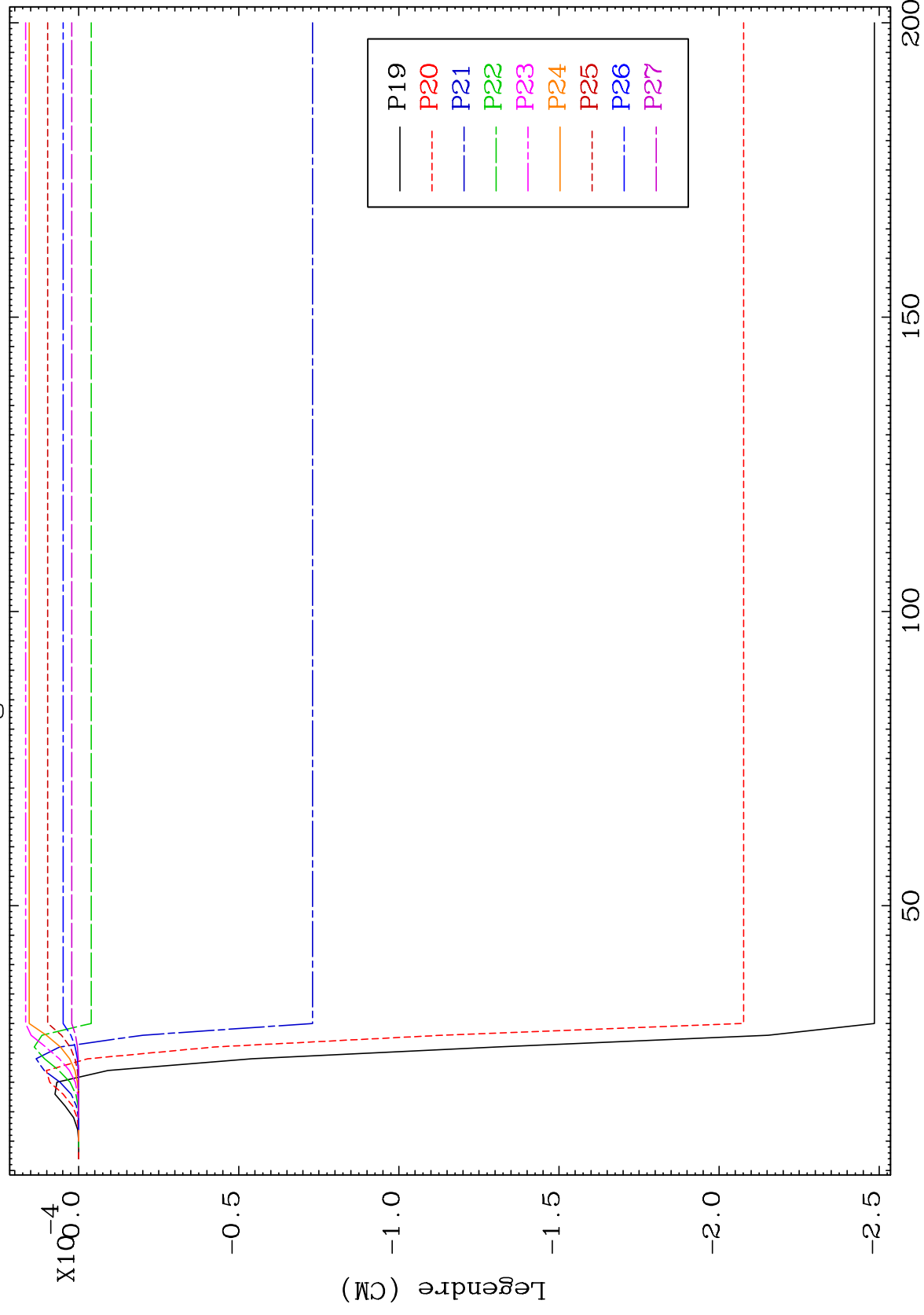
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

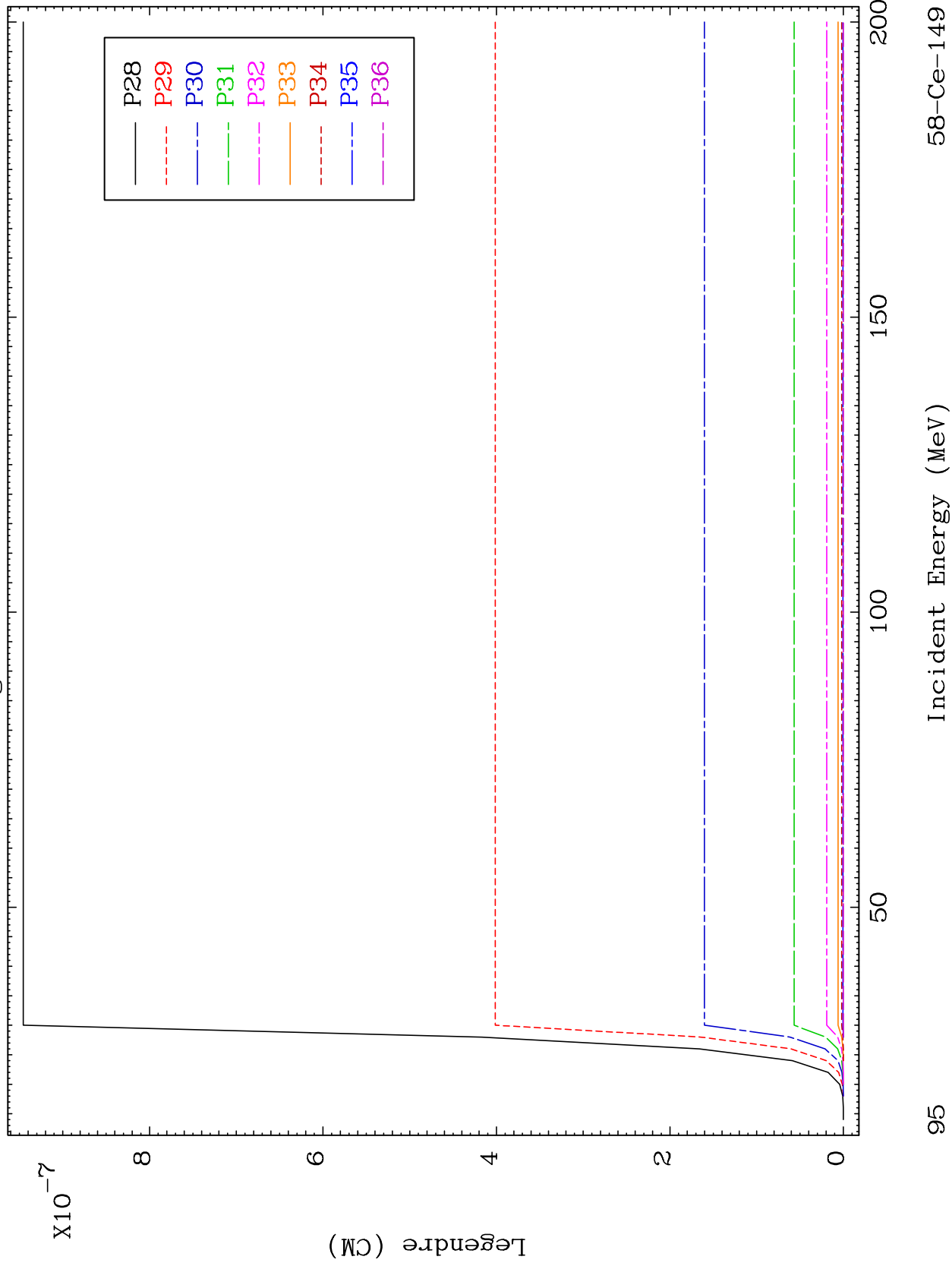
58-Ce-149



MAT 5864

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

58-Ce-149

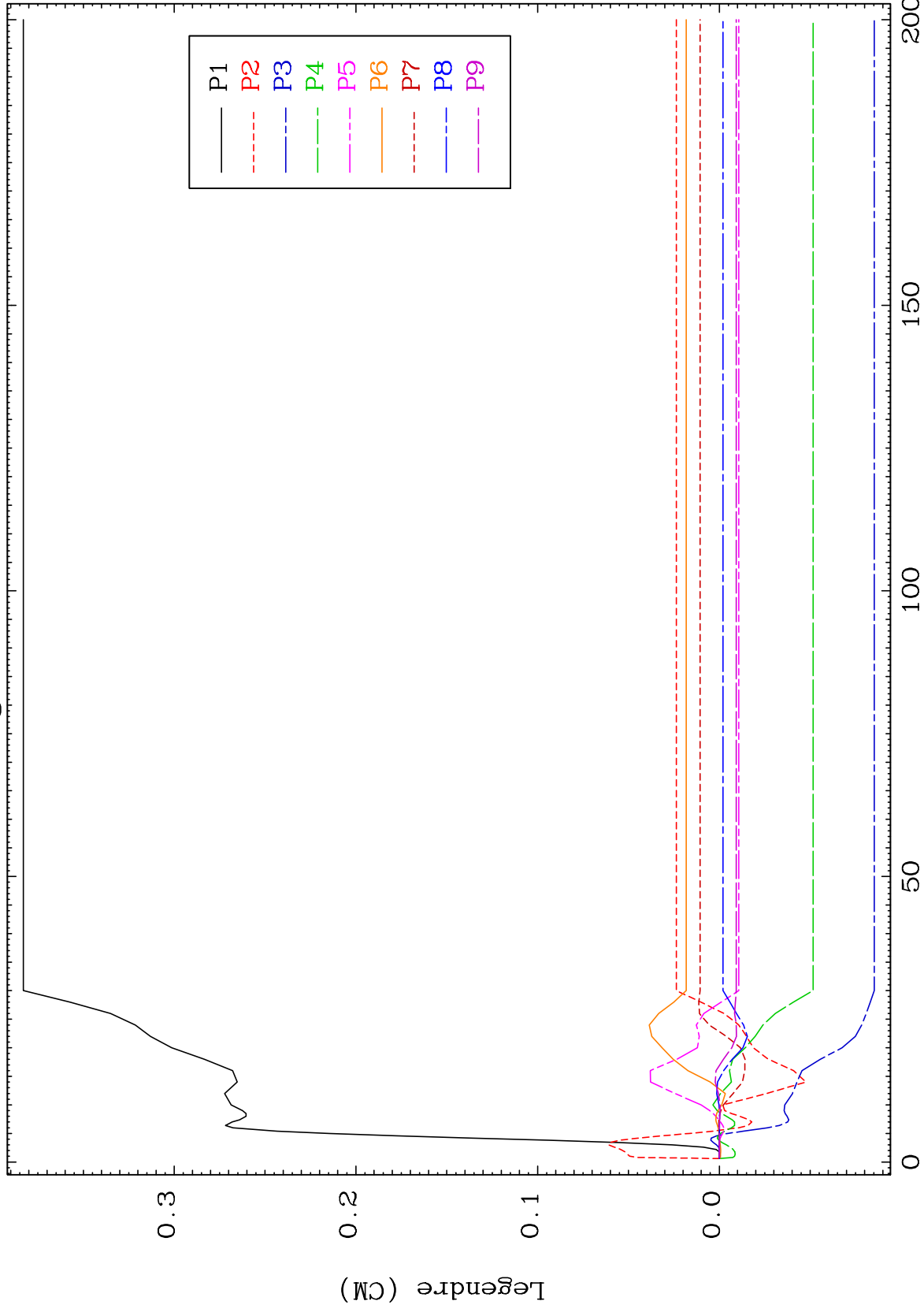




MAT 5864

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

58-Ce-149



96

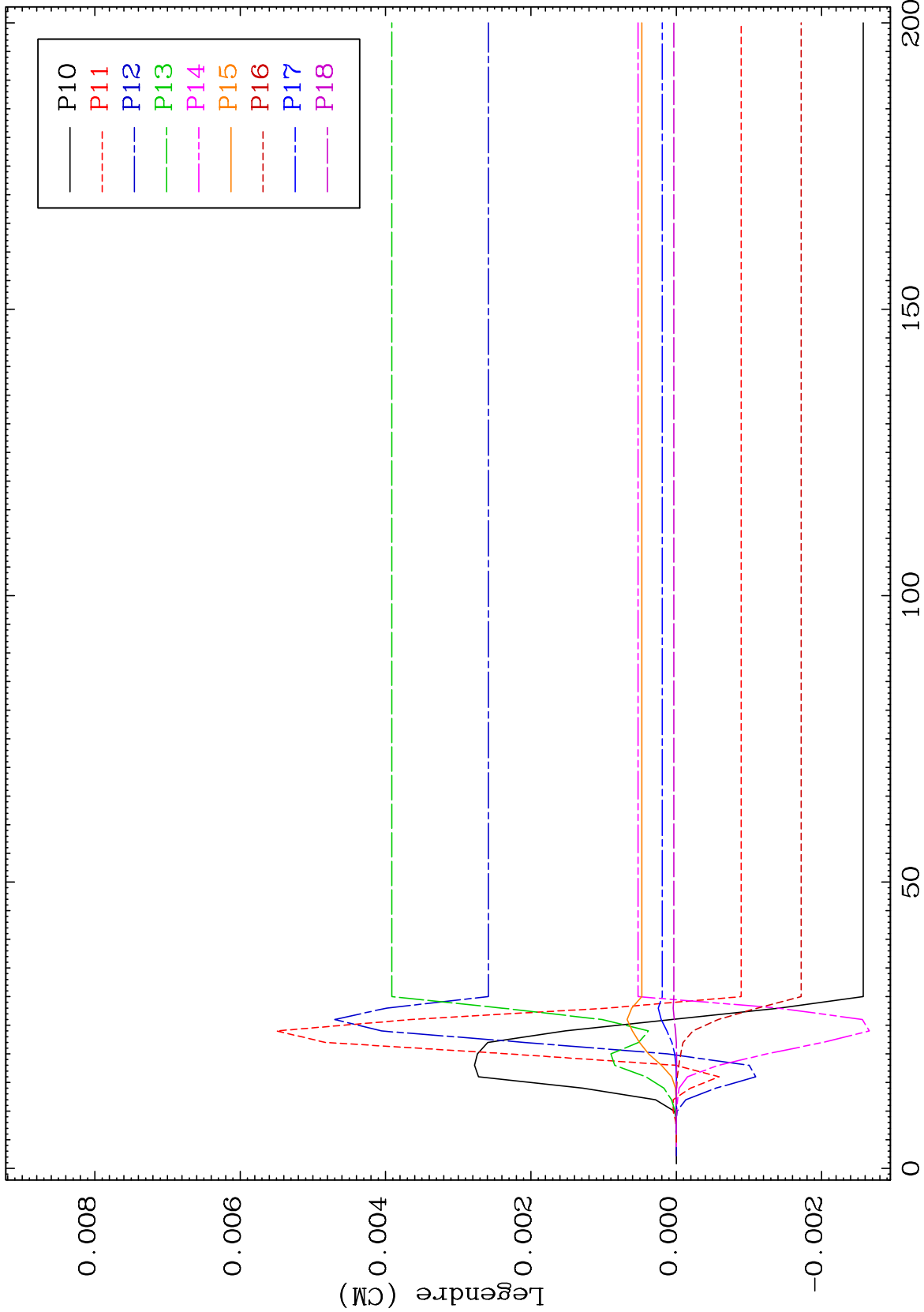
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



97

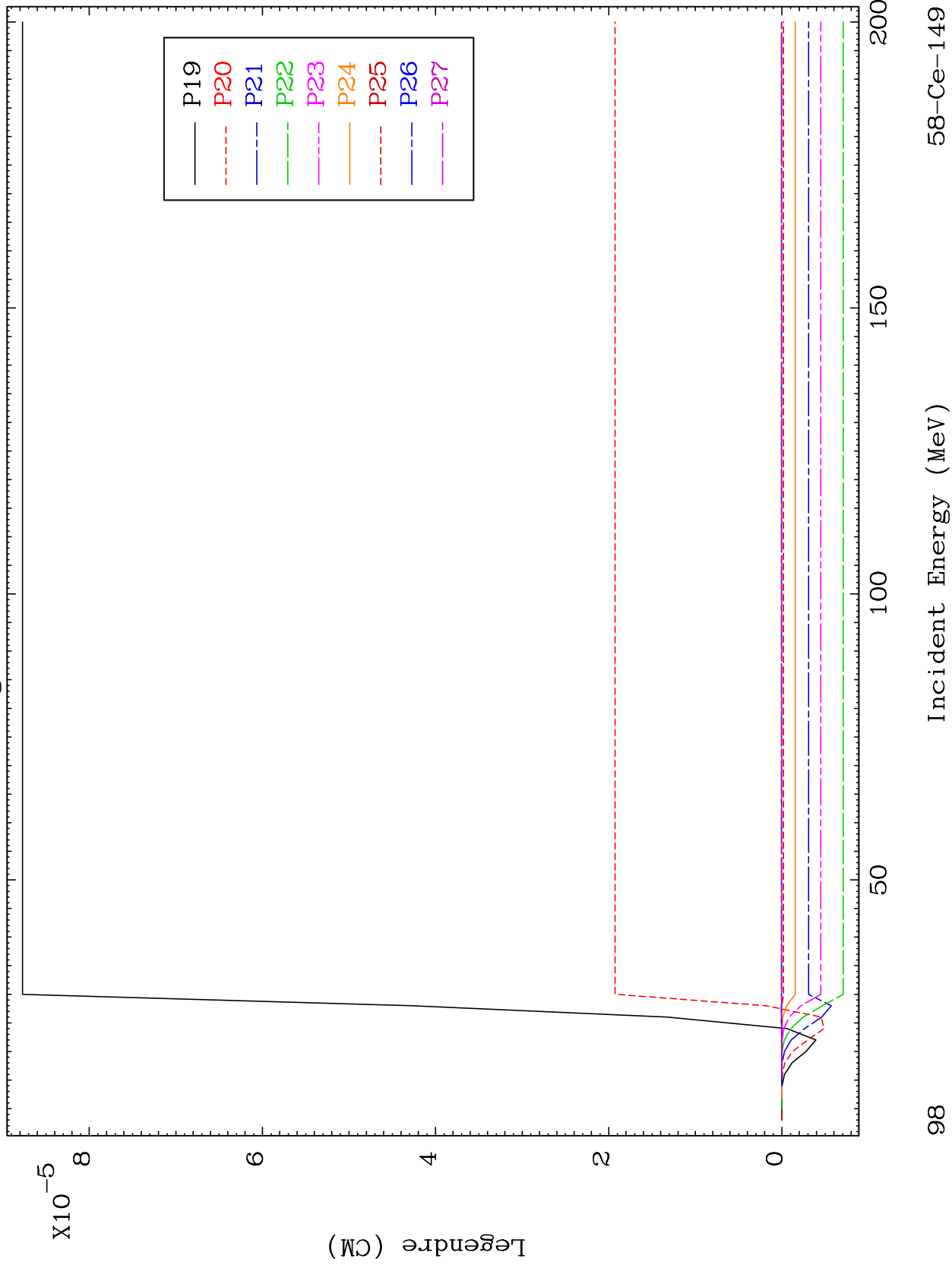
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

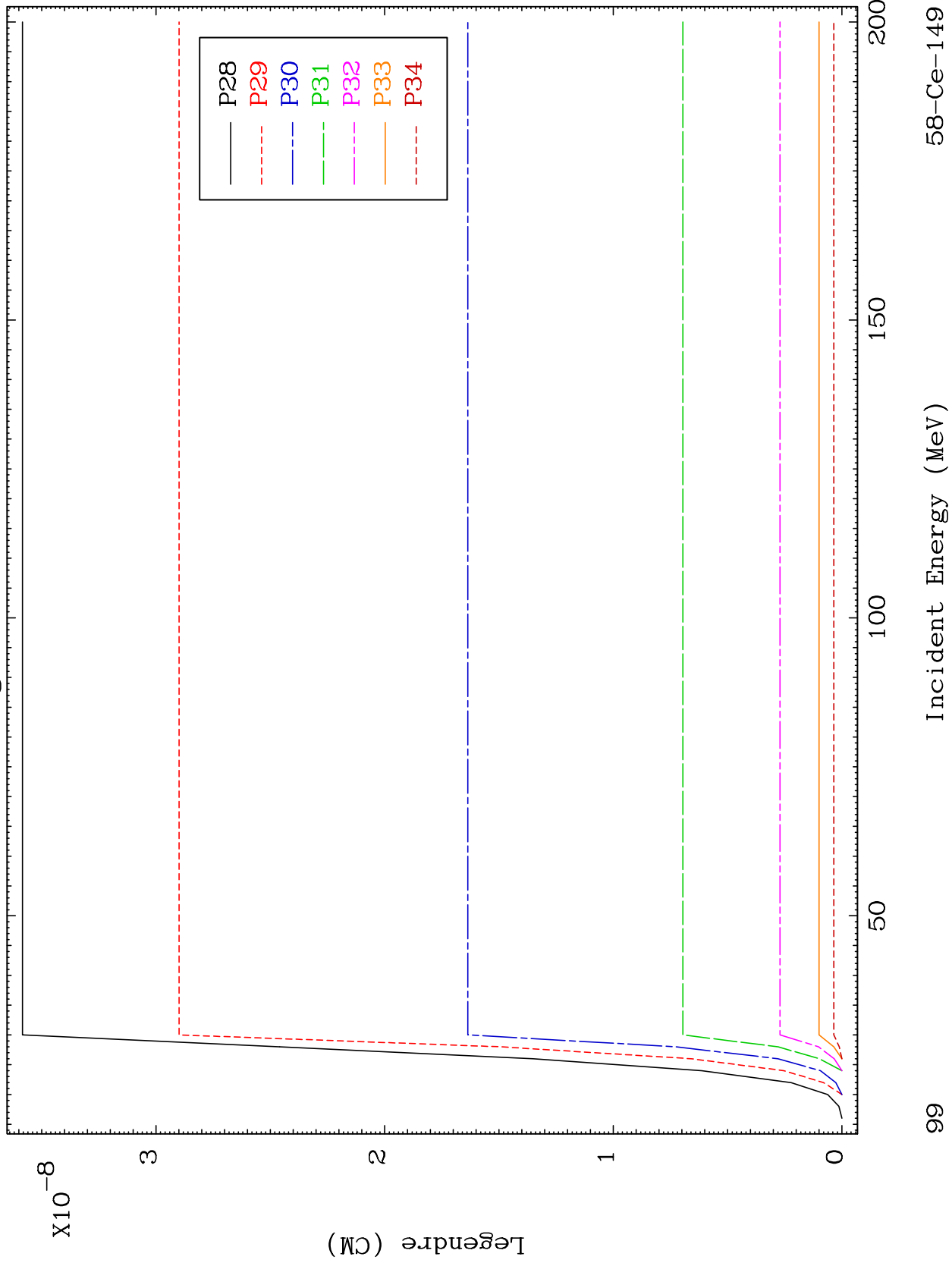
58-Ce-149



MAT 5864

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

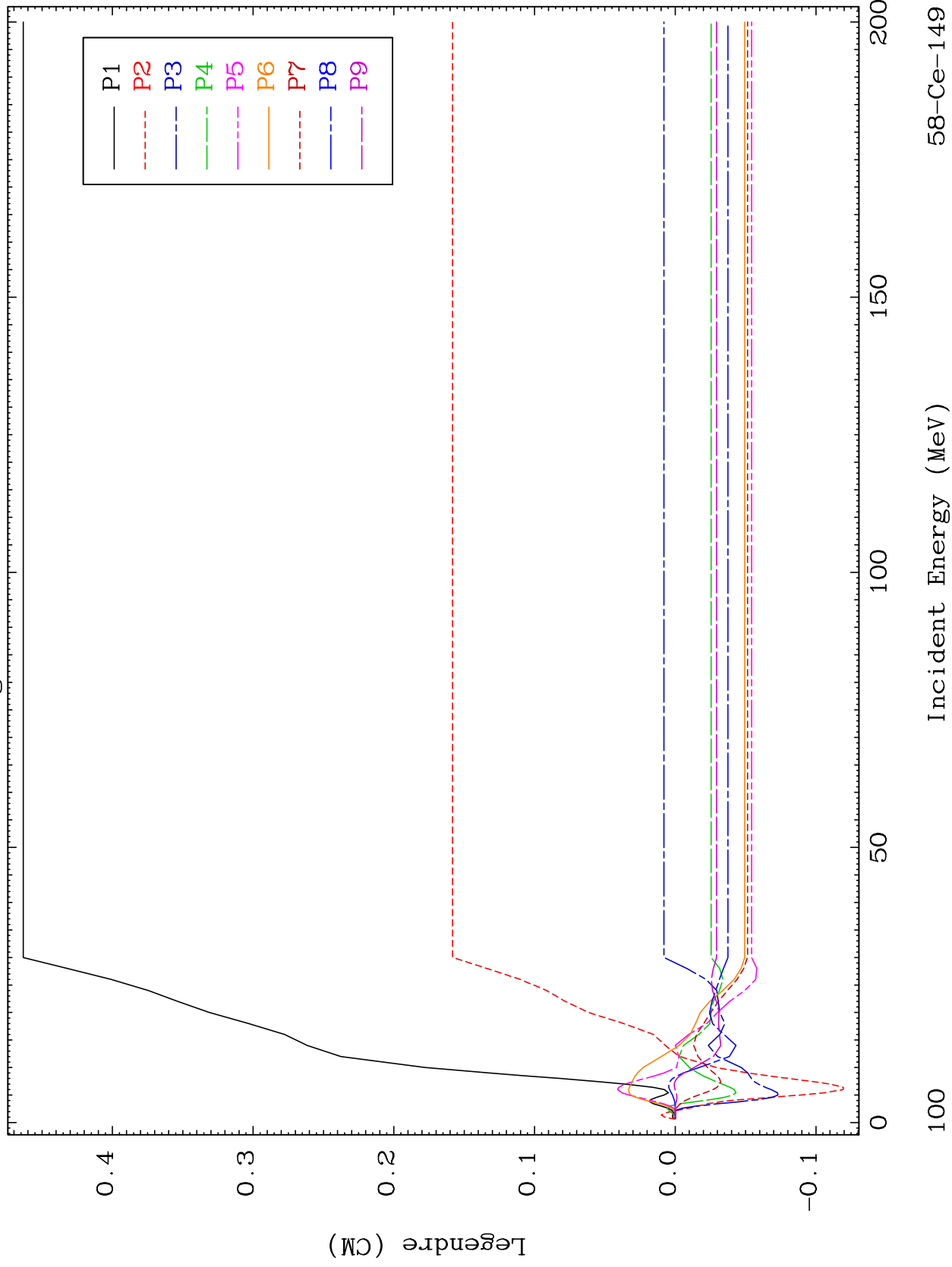
58-Ce-149



MAT 5864

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

58-Ce-149

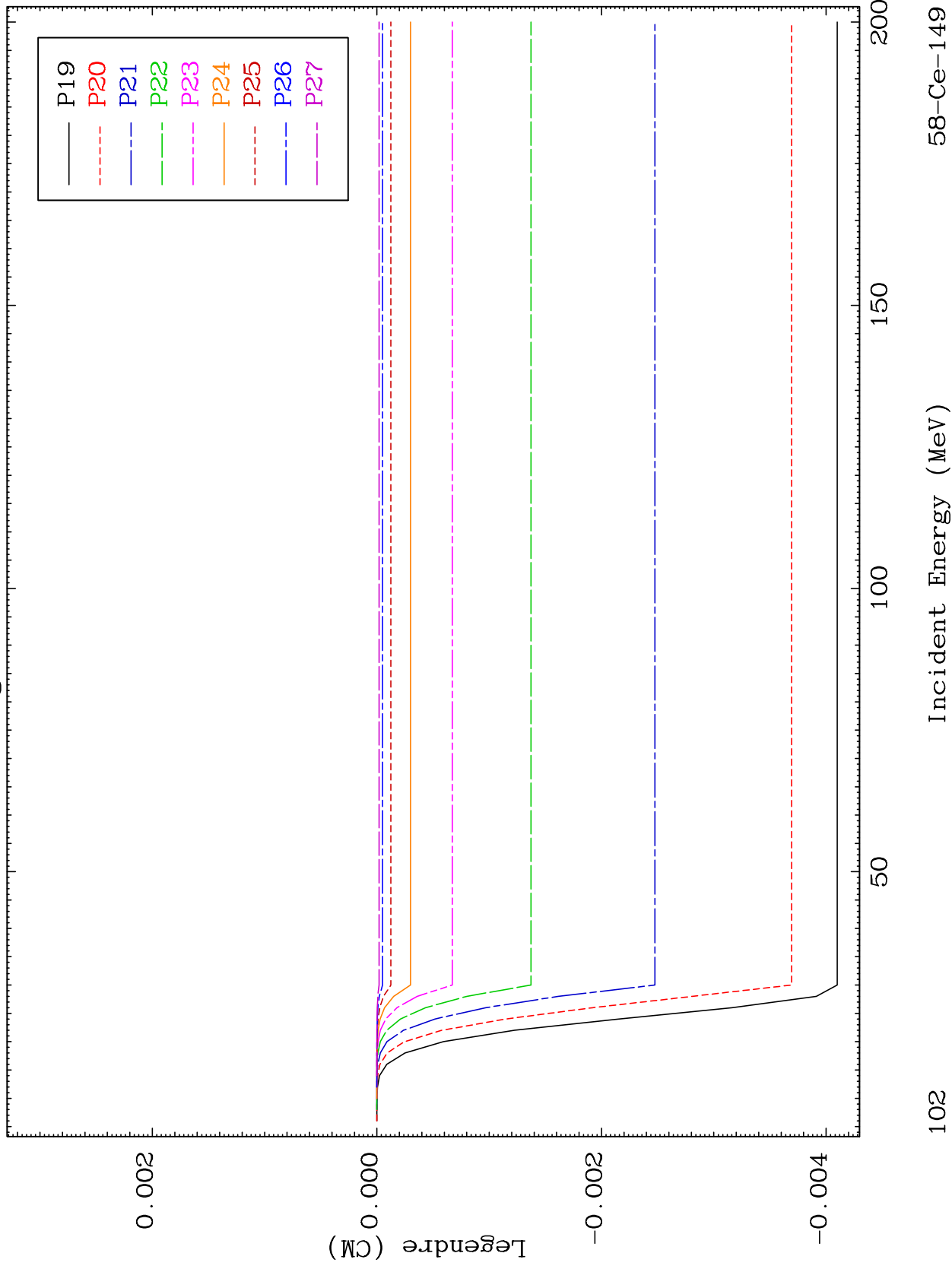




MAT 5864

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

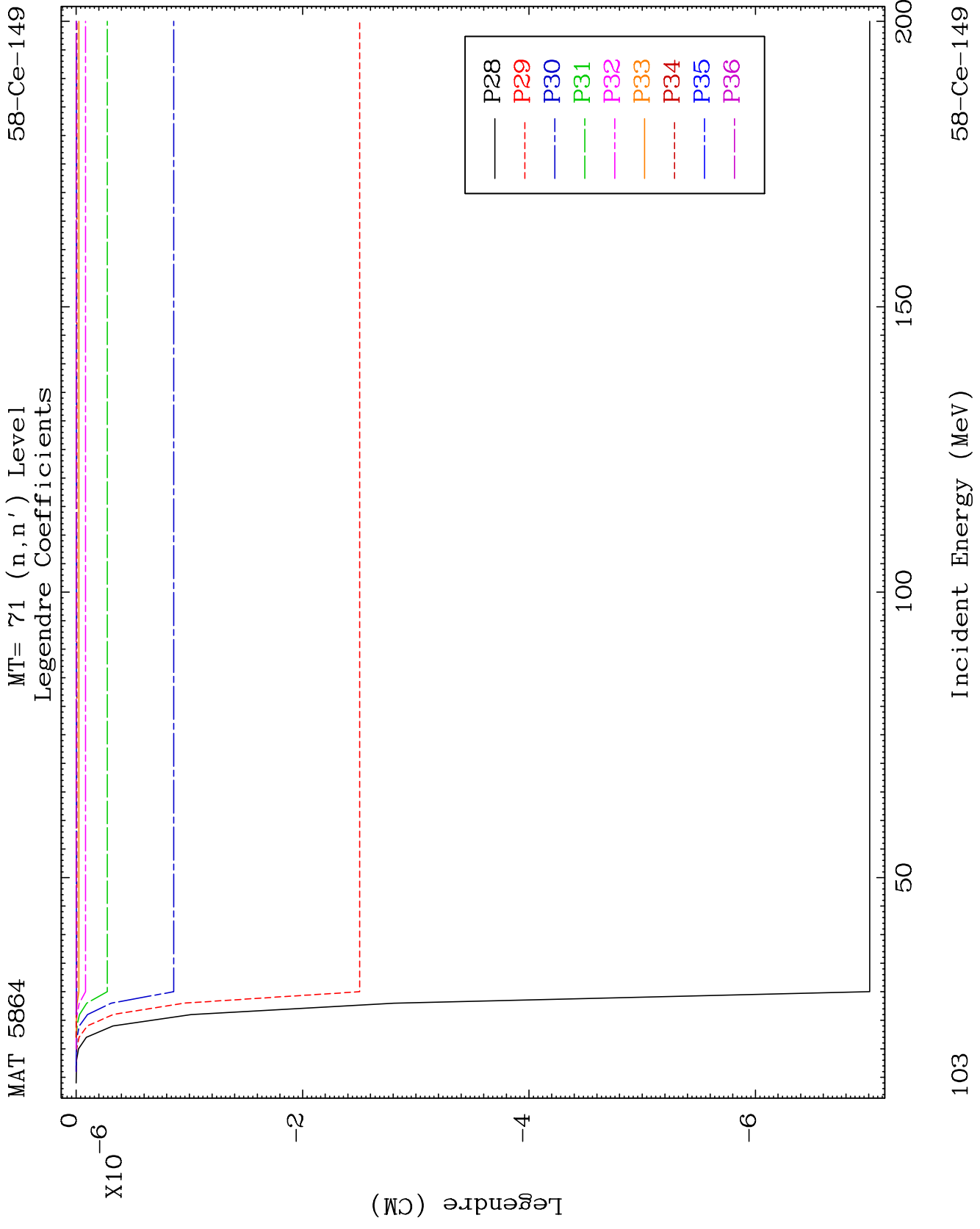
58-Ce-149



102

Incident Energy (MeV)

58-Ce-149

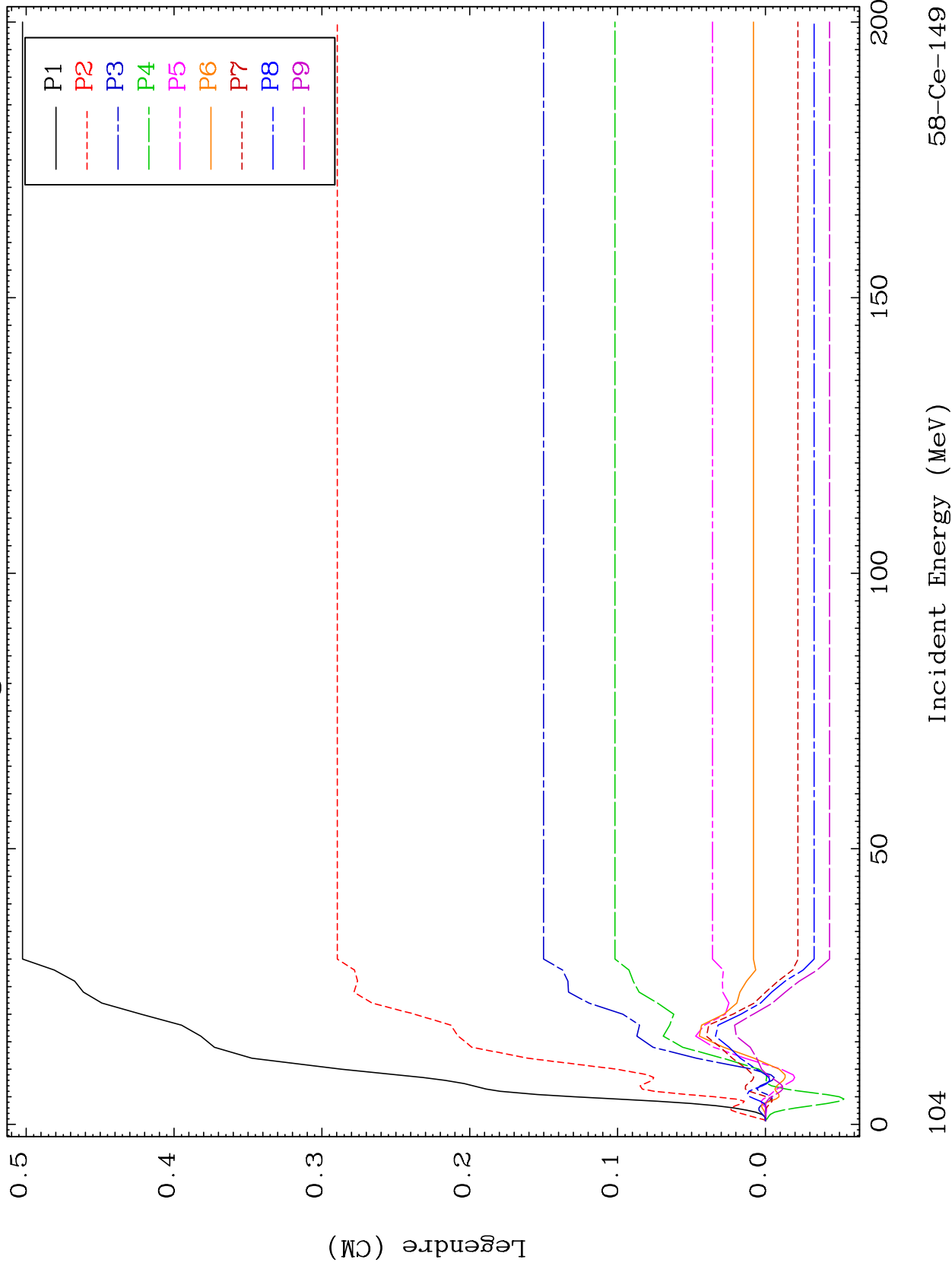




MAT 5864

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

58-Ce-149



58-Ce-149

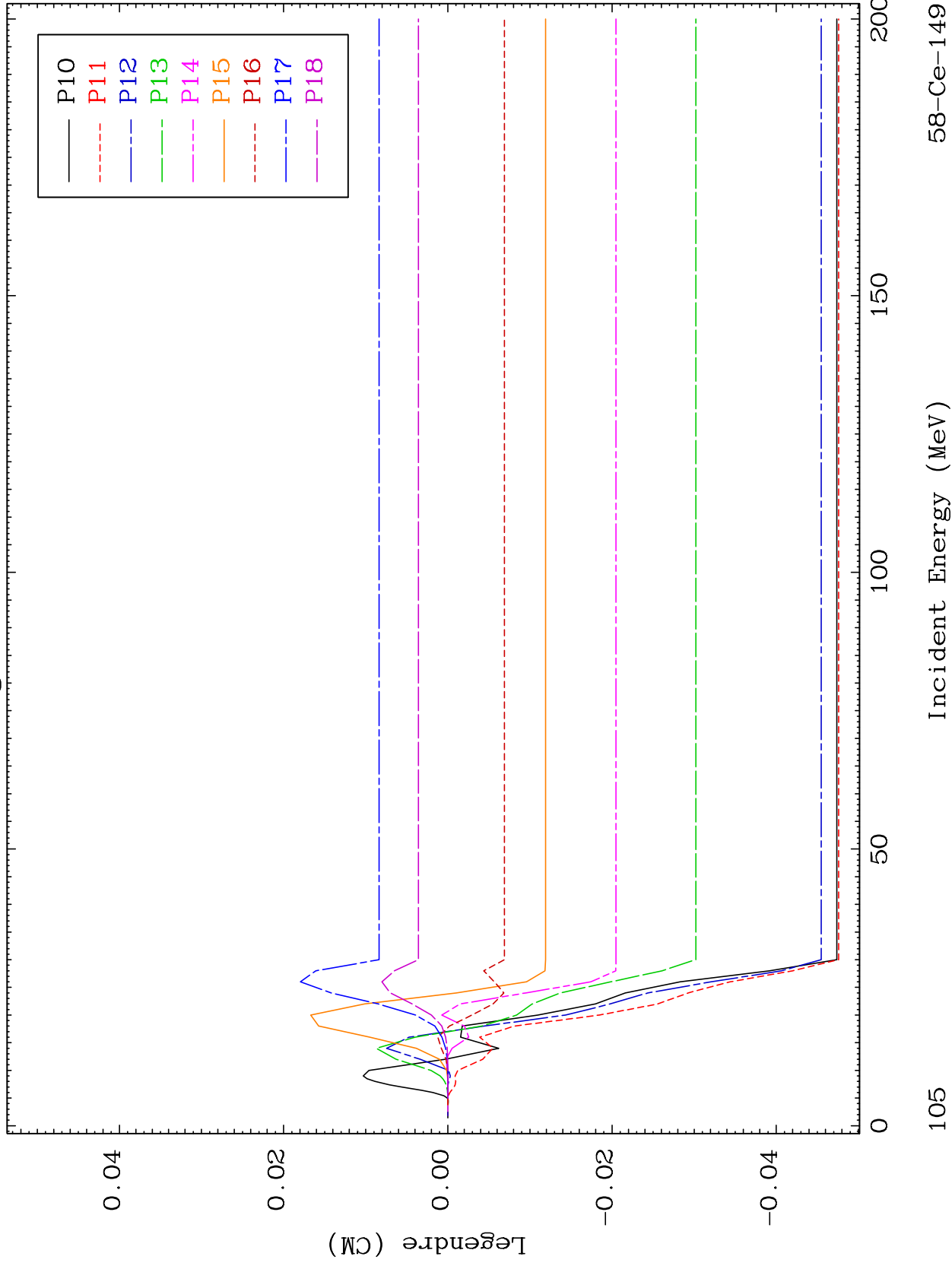
Incident Energy (MeV)

104

MAT 5864

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

58-Ce-149



58-Ce-149

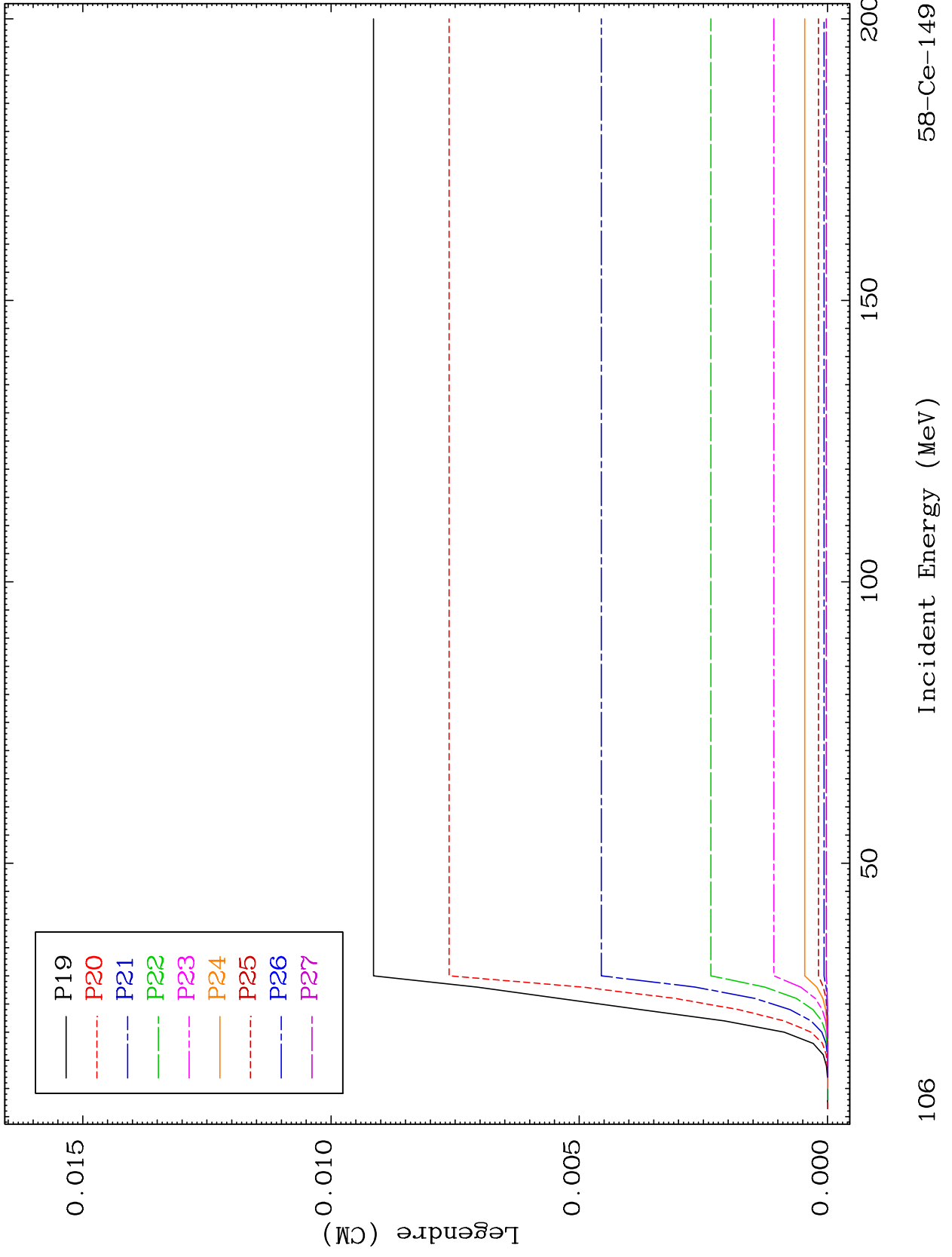
Incident Energy (MeV)

105

MAT 5864

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

58-Ce-149



106

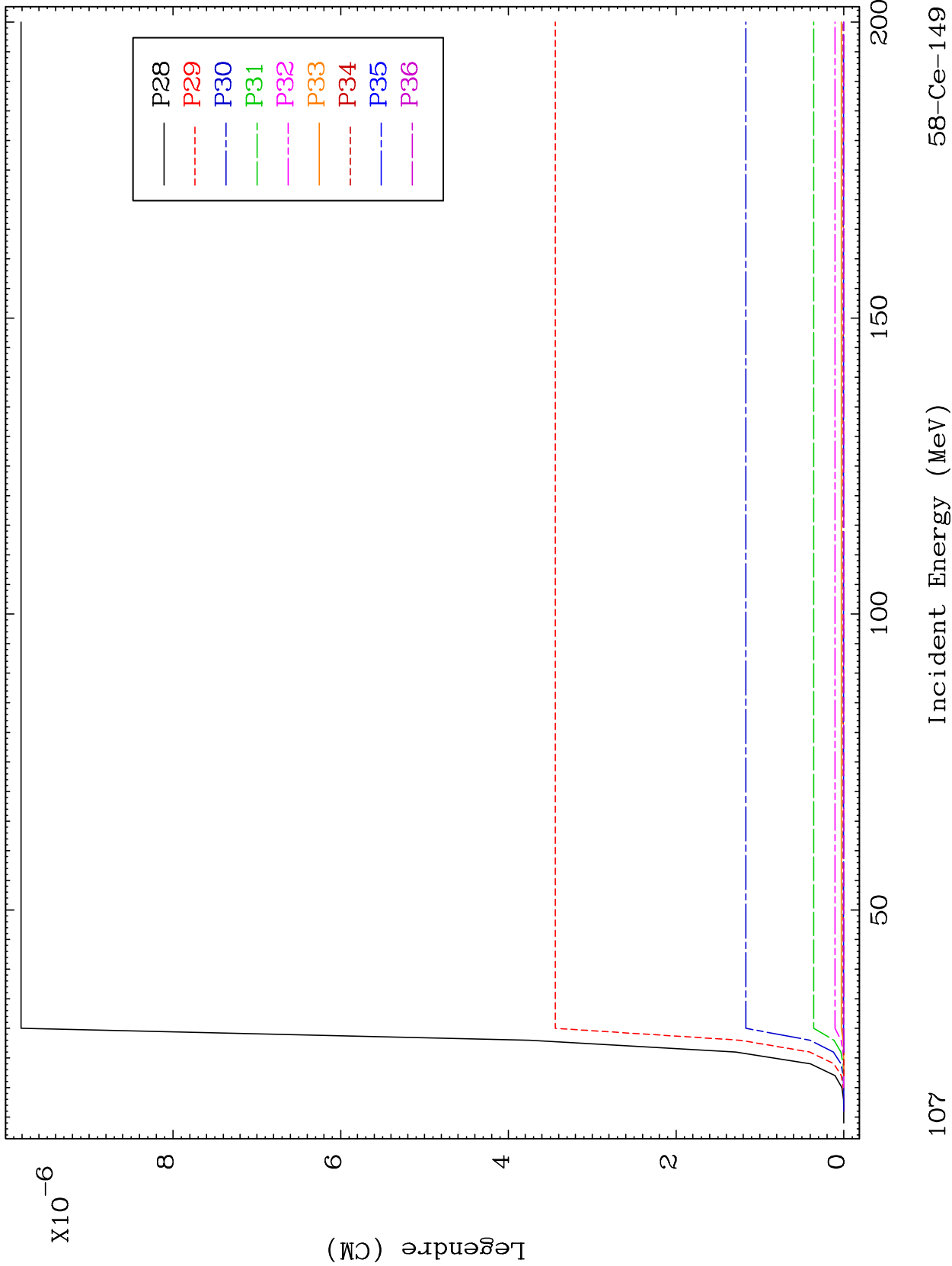
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149

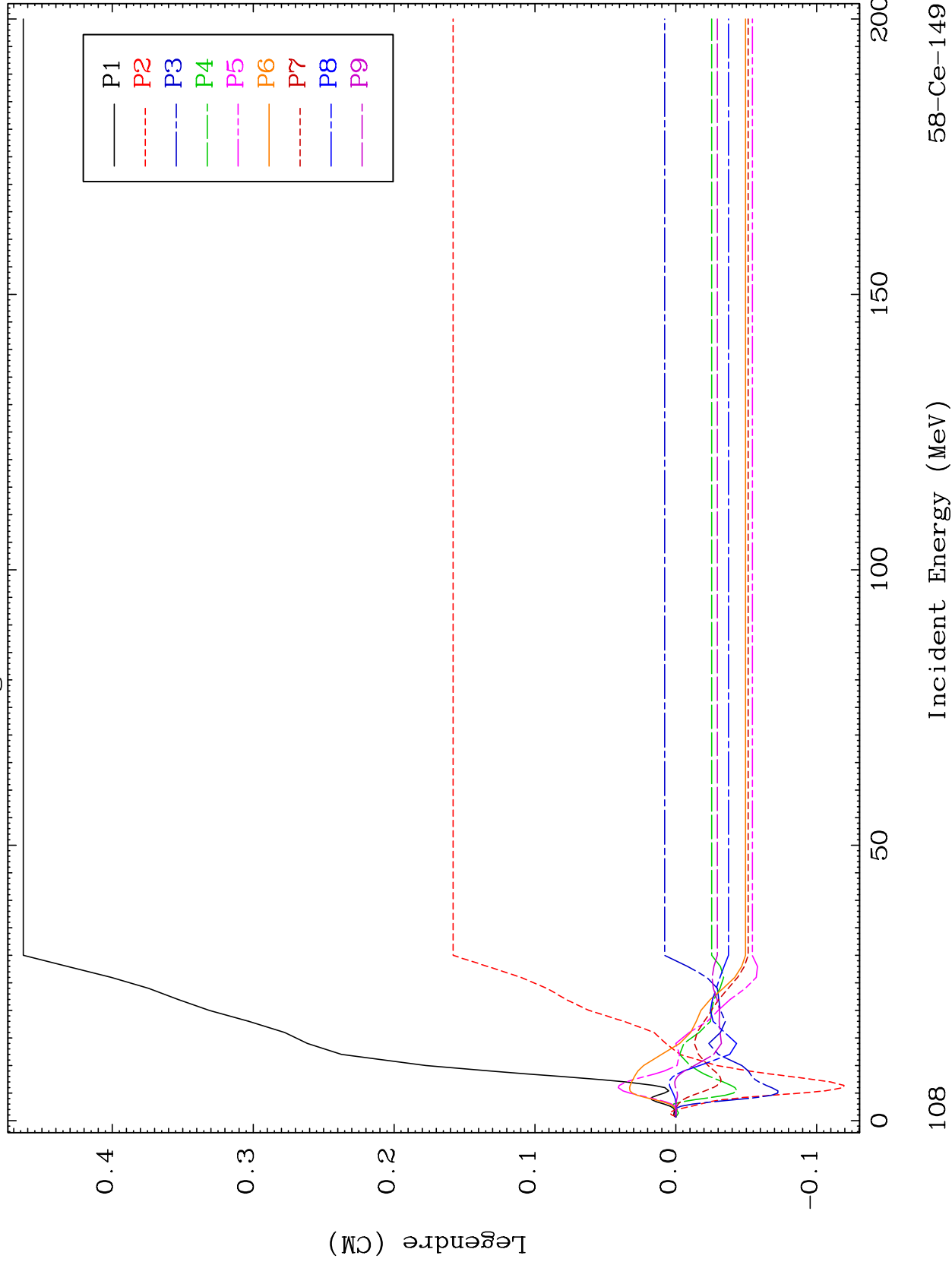


107

MAT 5864

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

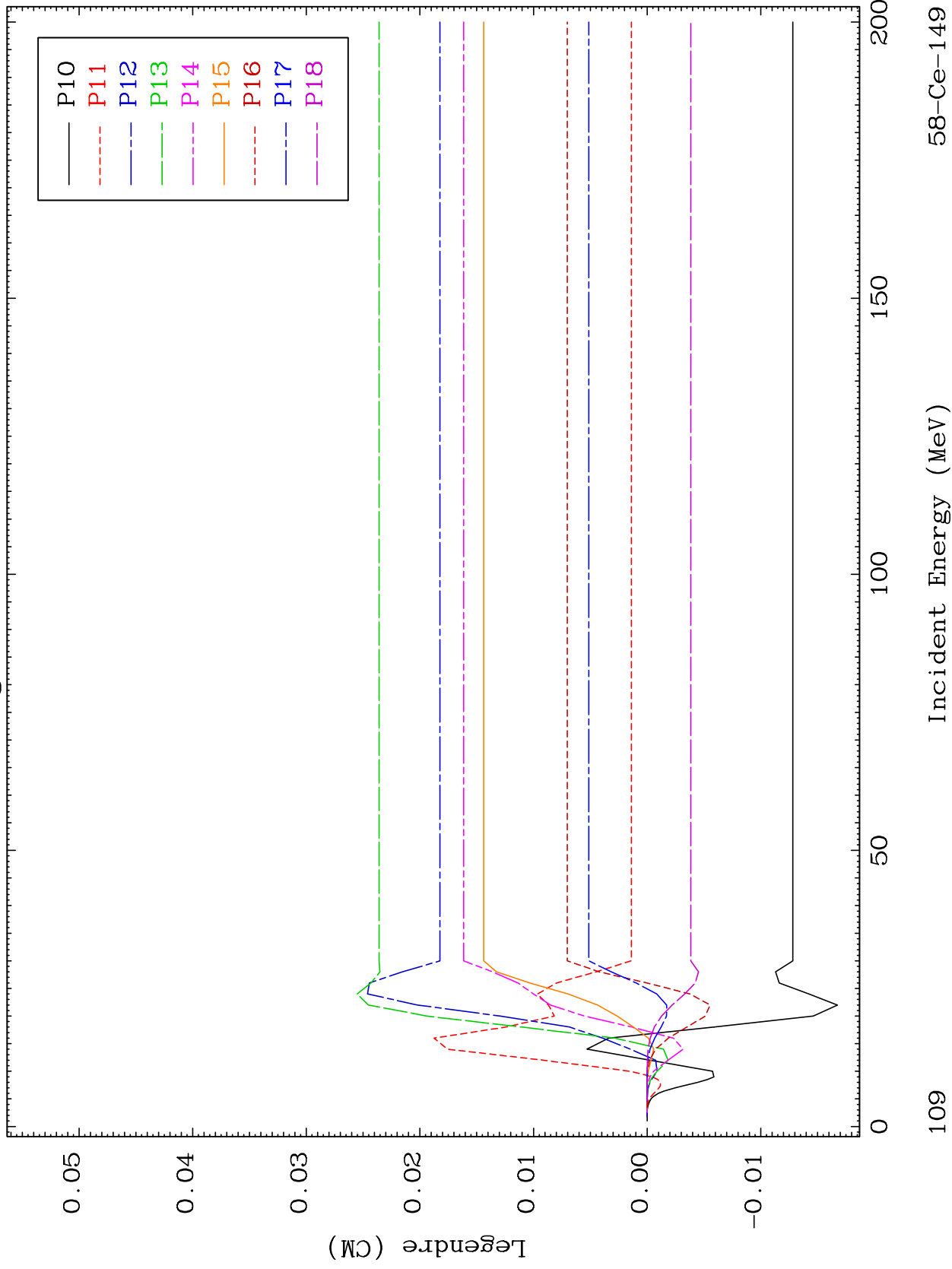
58-Ce-149



MAT 5864

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

58-Ce-149



58-Ce-149

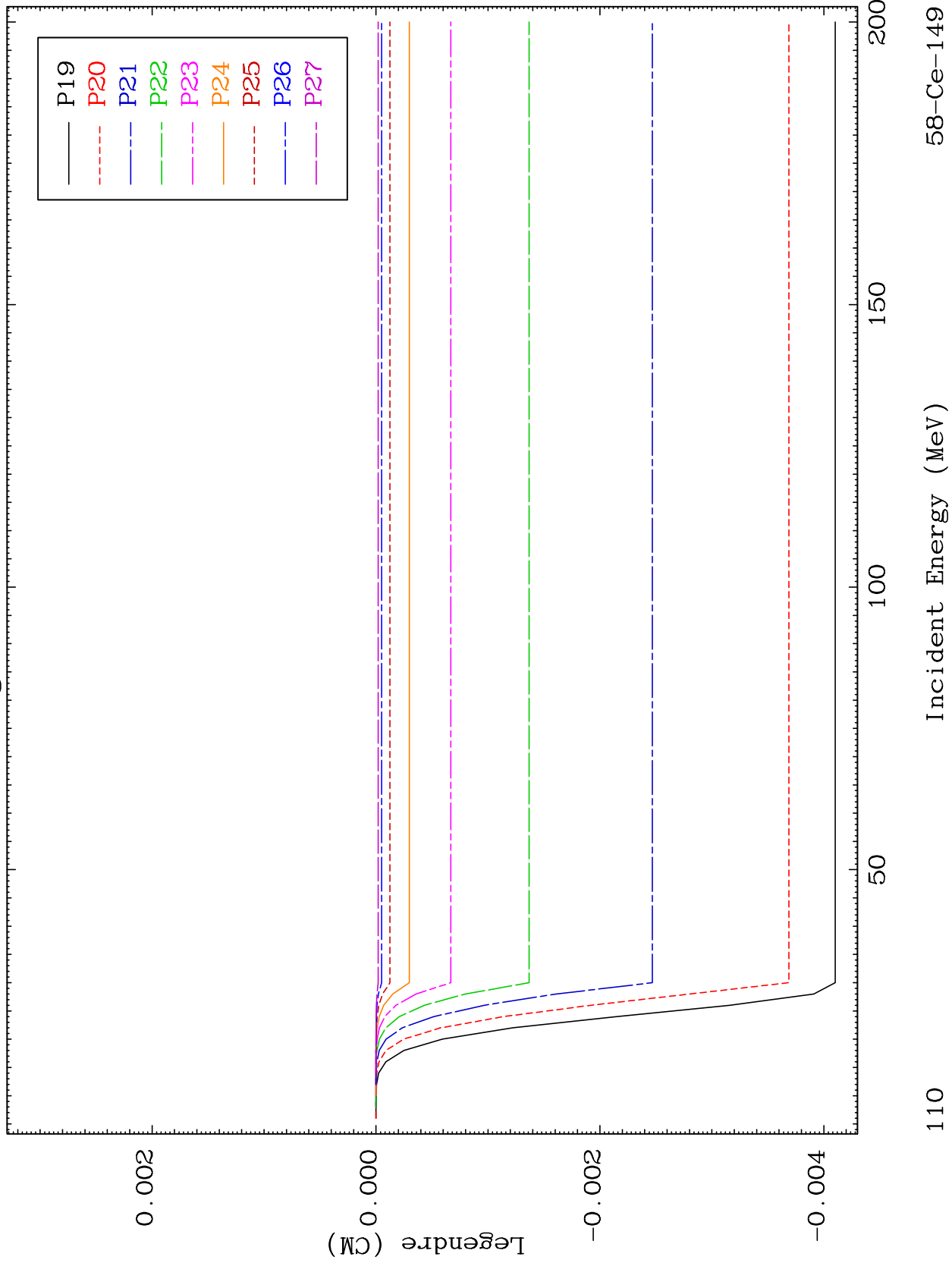
Incident Energy (MeV)

109

MAT 5864

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

58-Ce-149



58-Ce-149

Incident Energy (MeV)

110

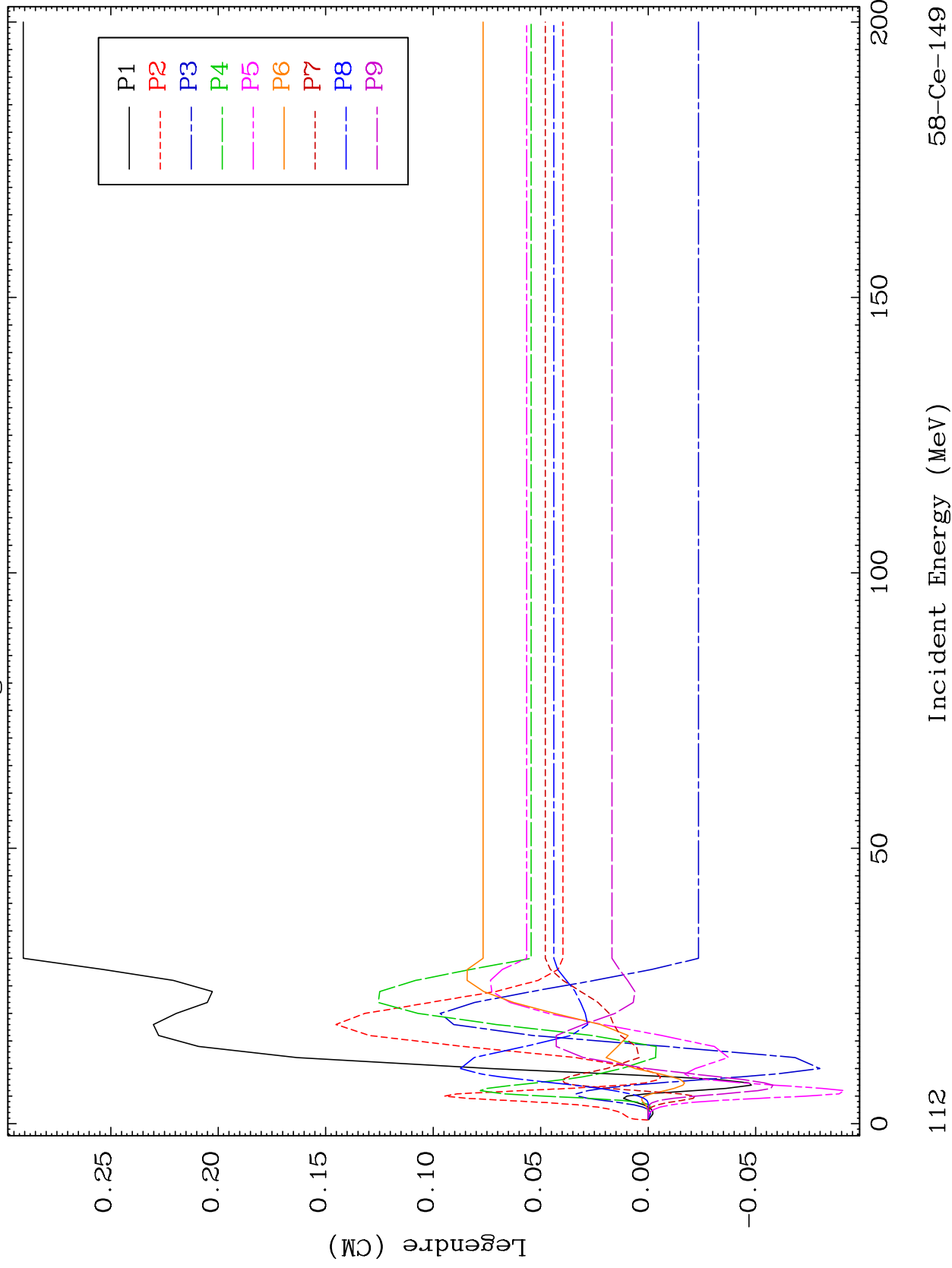




MAT 5864

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

58-Ce-149

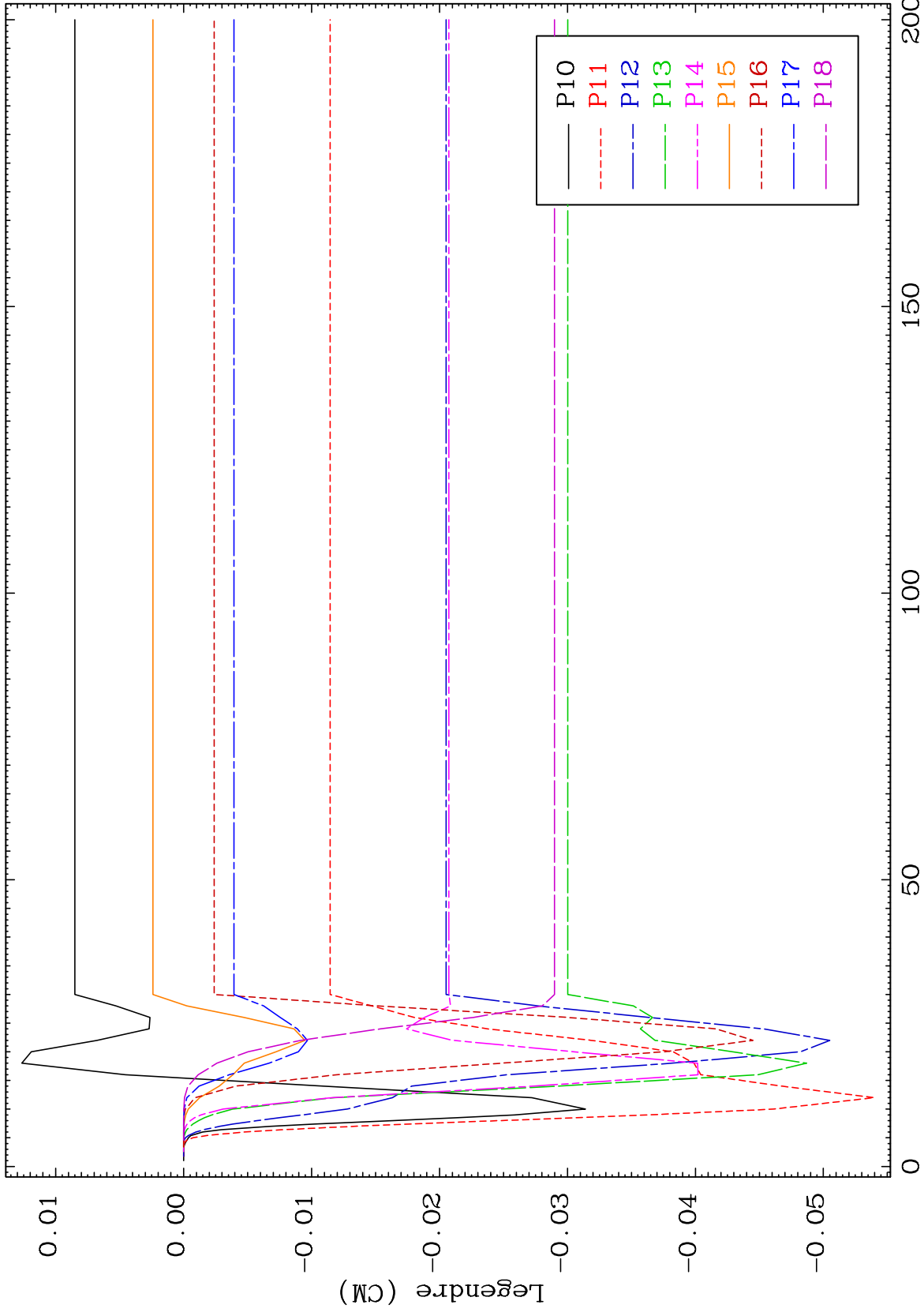


112

MAT 5864

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

58-Ce-149



113

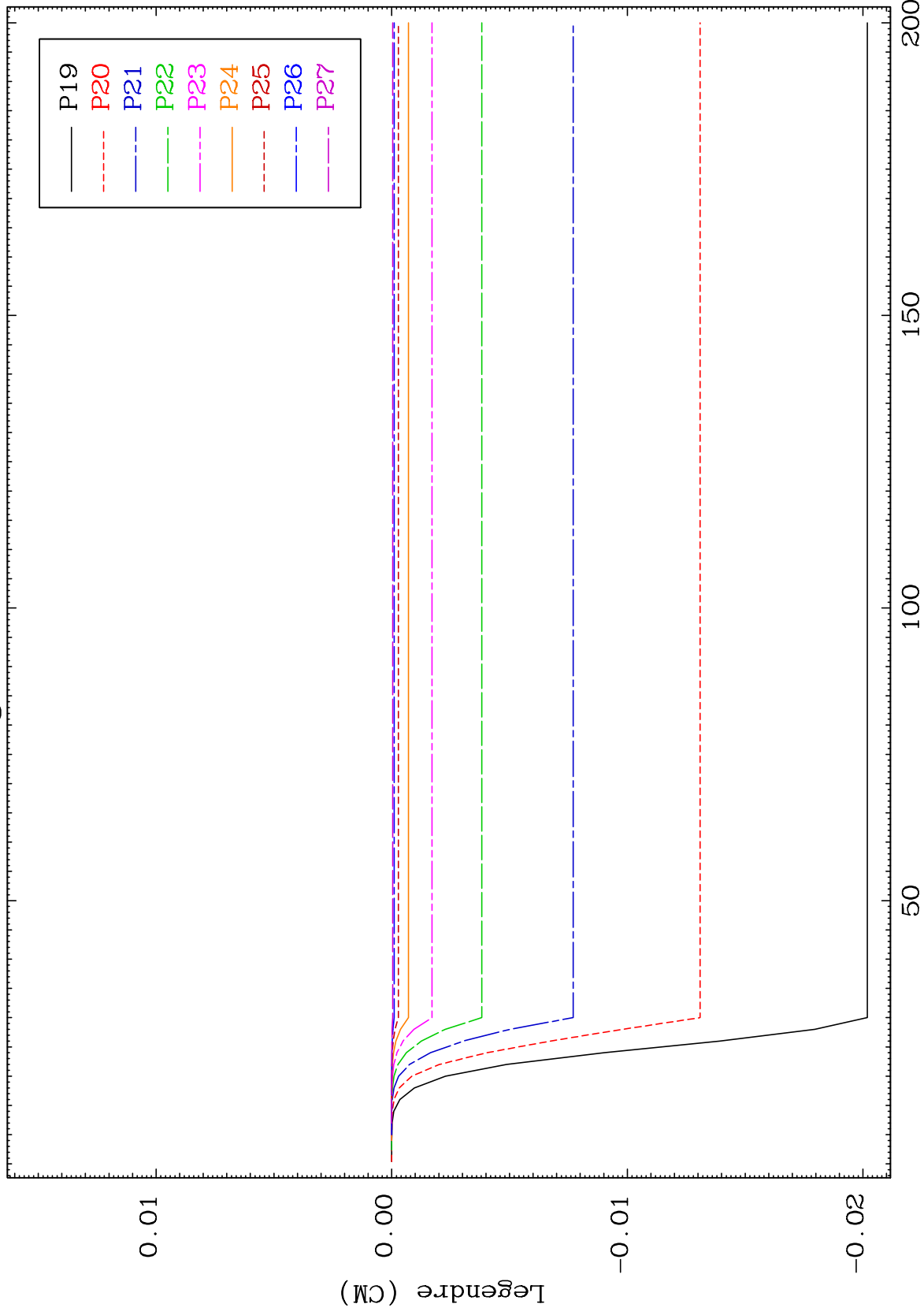
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

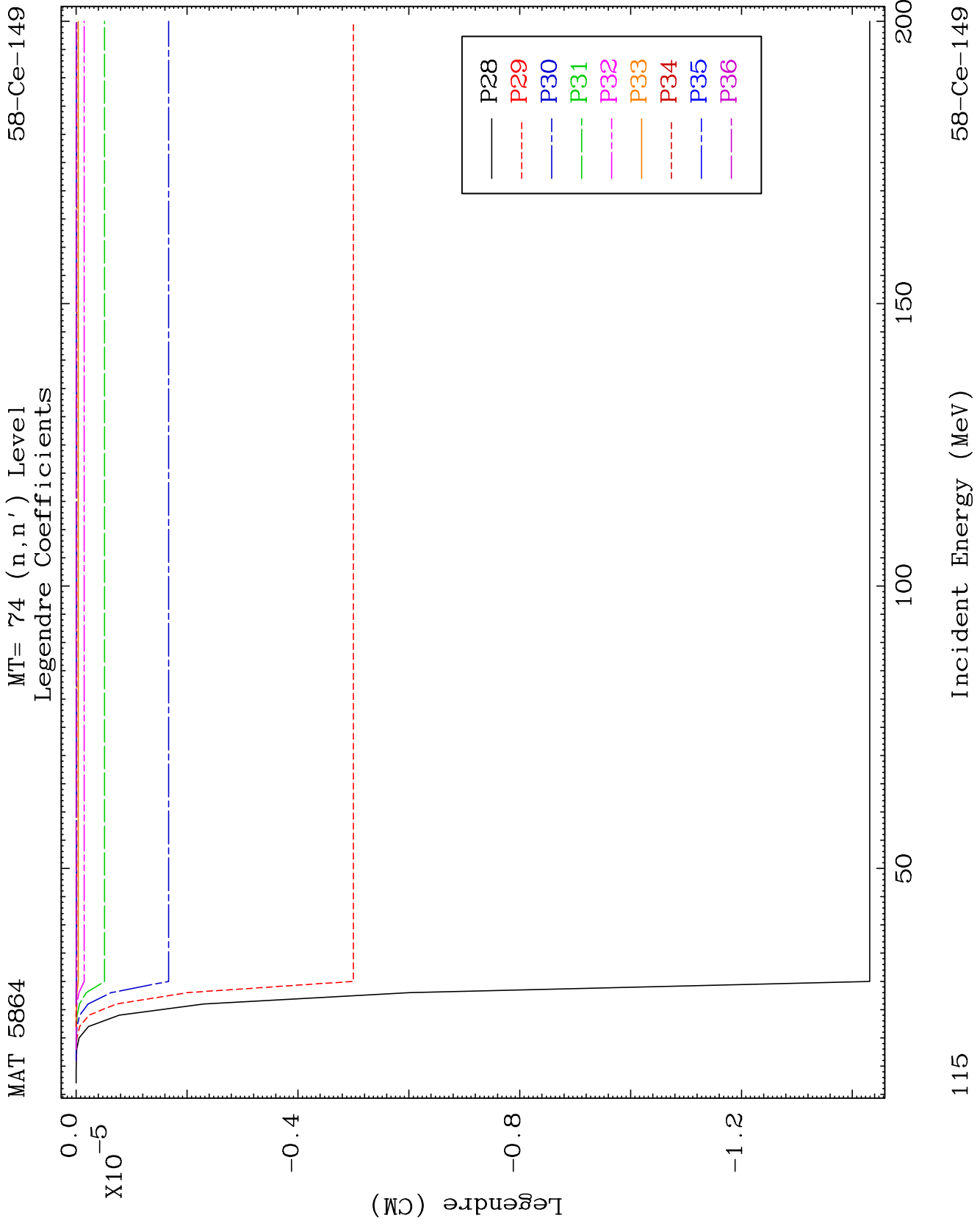
58-Ce-149



114

Incident Energy (MeV)

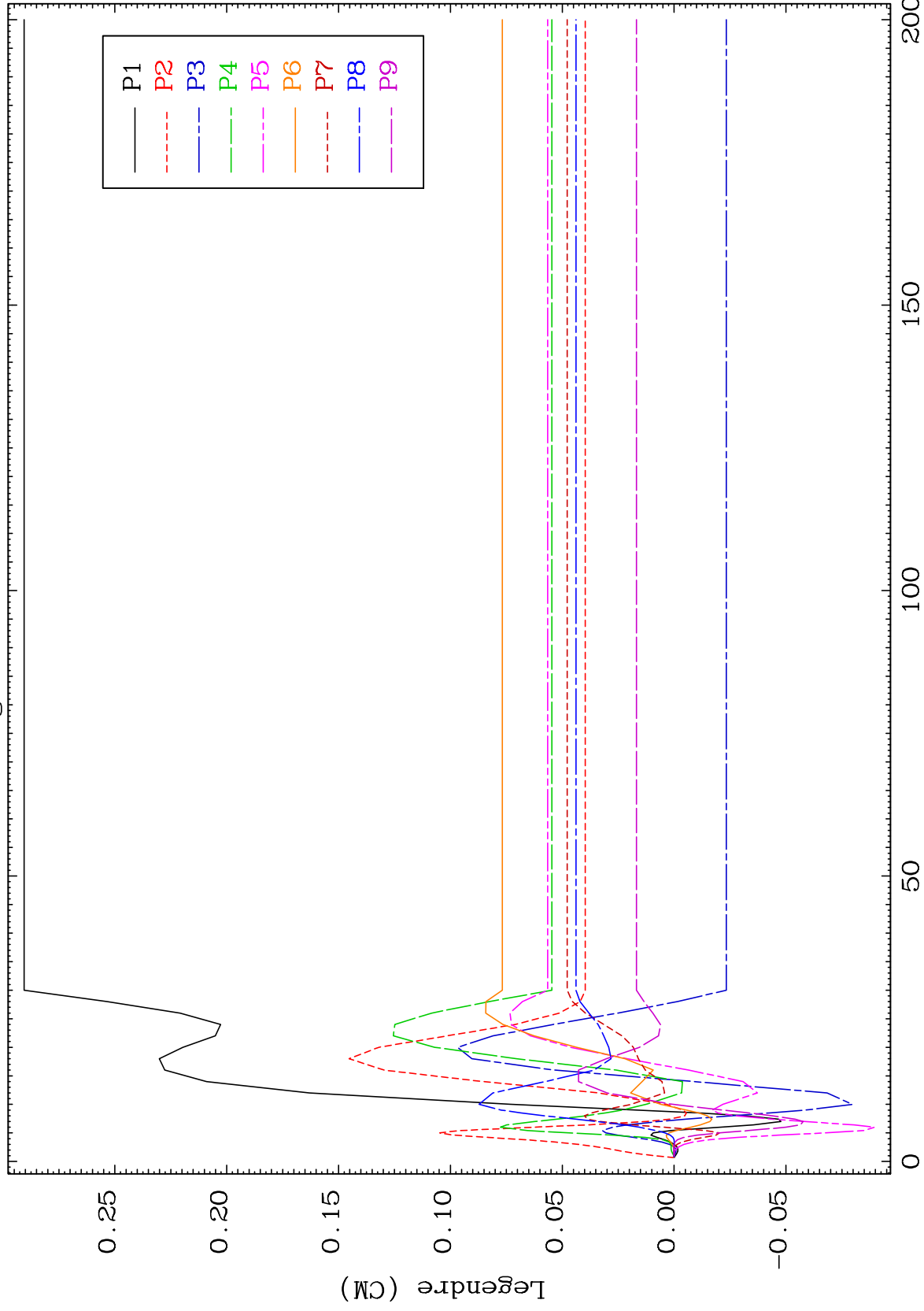
58-Ce-149



MAT 5864

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

58-Ce-149



116

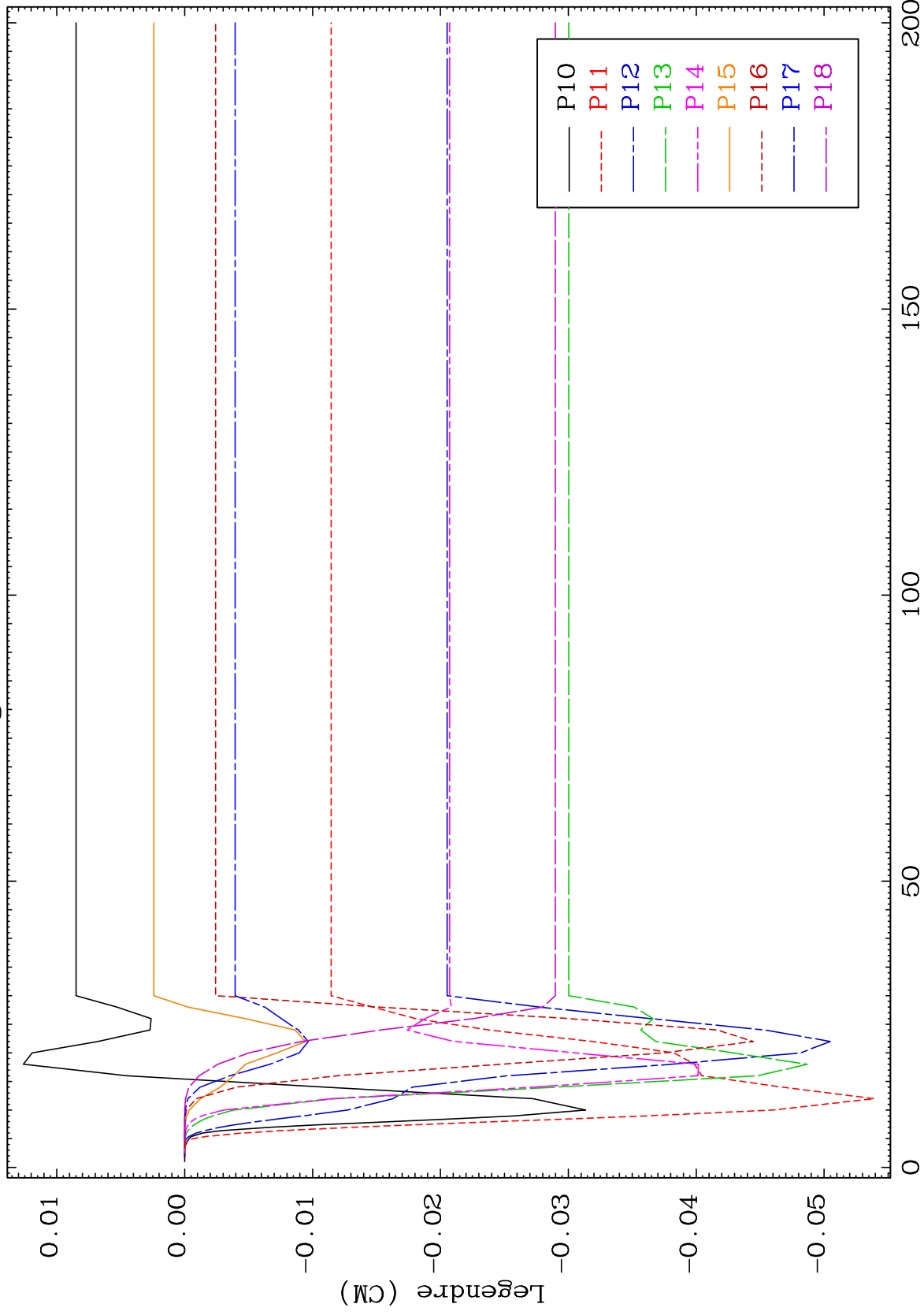
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



117

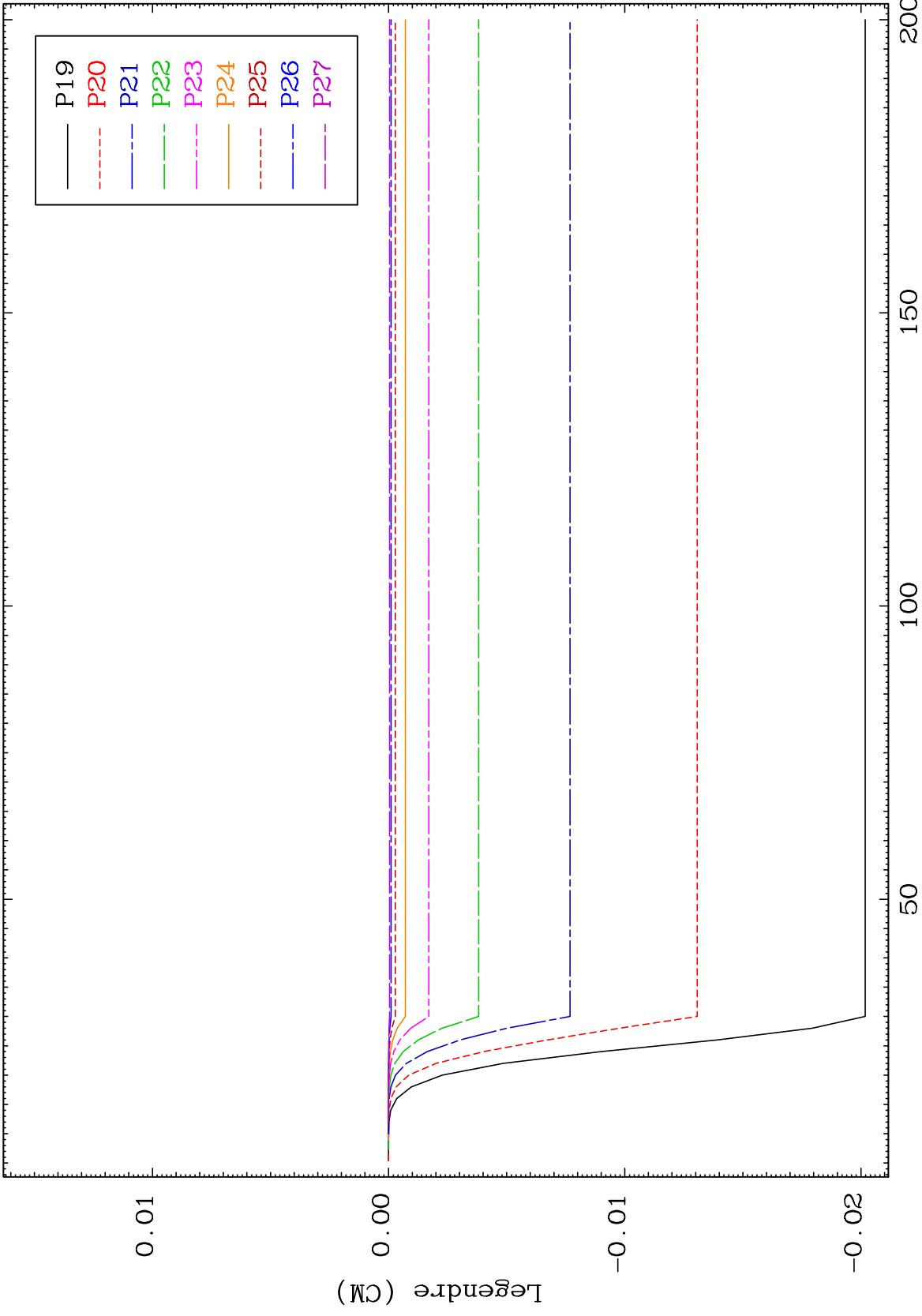
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

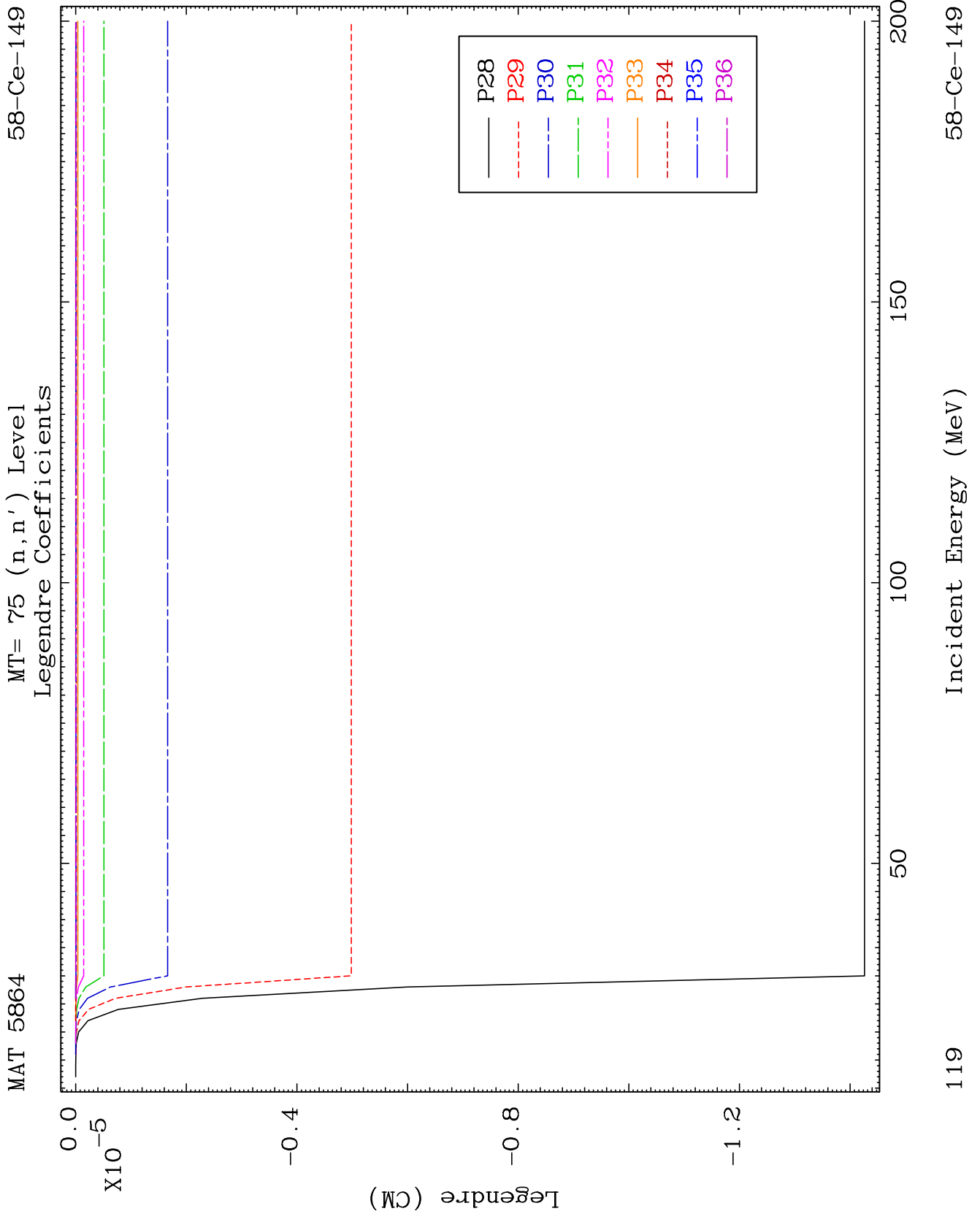
58-Ce-149



118

Incident Energy (MeV)

58-Ce-149



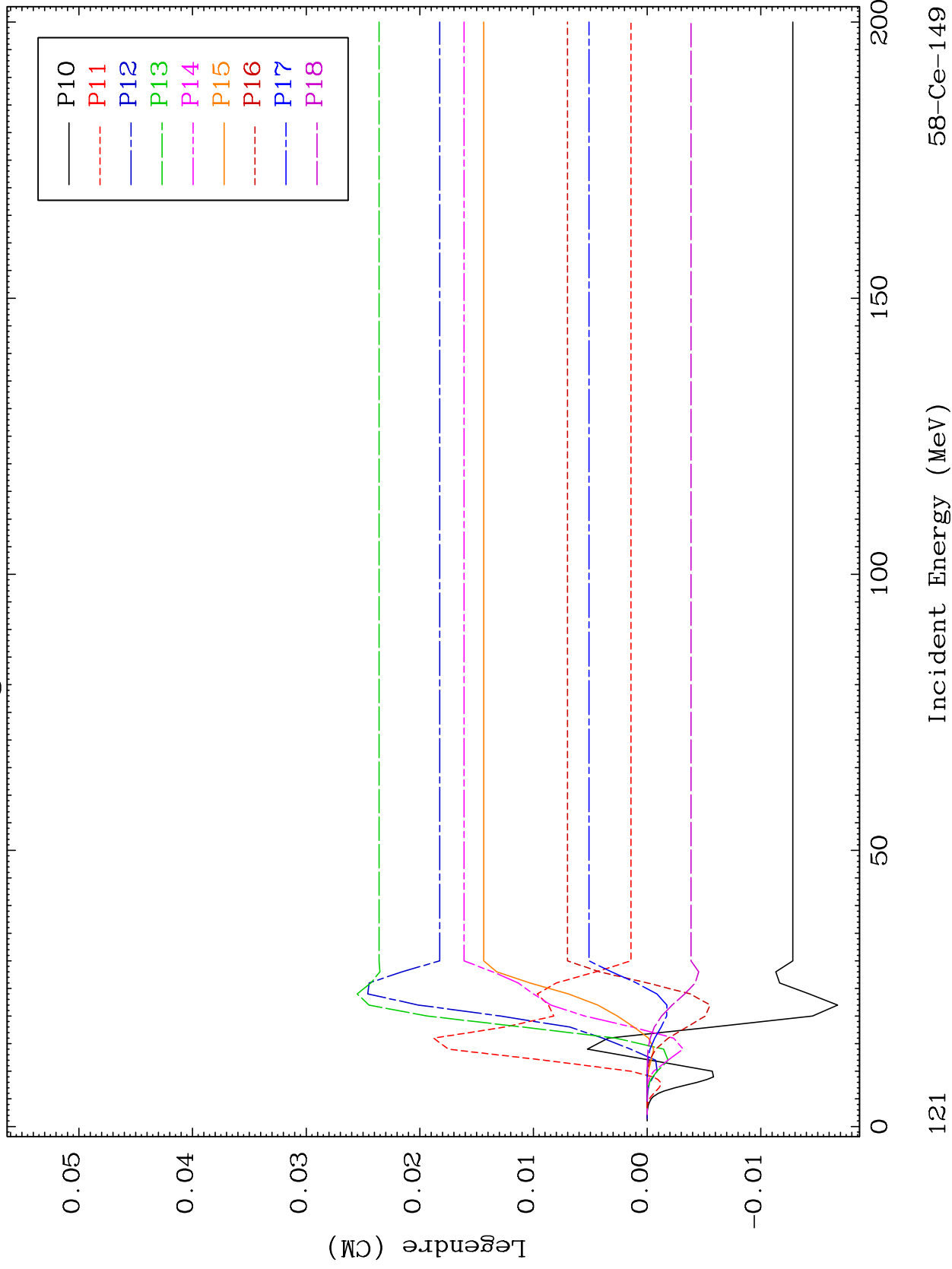




MAT 5864

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

58-Ce-149



58-Ce-149

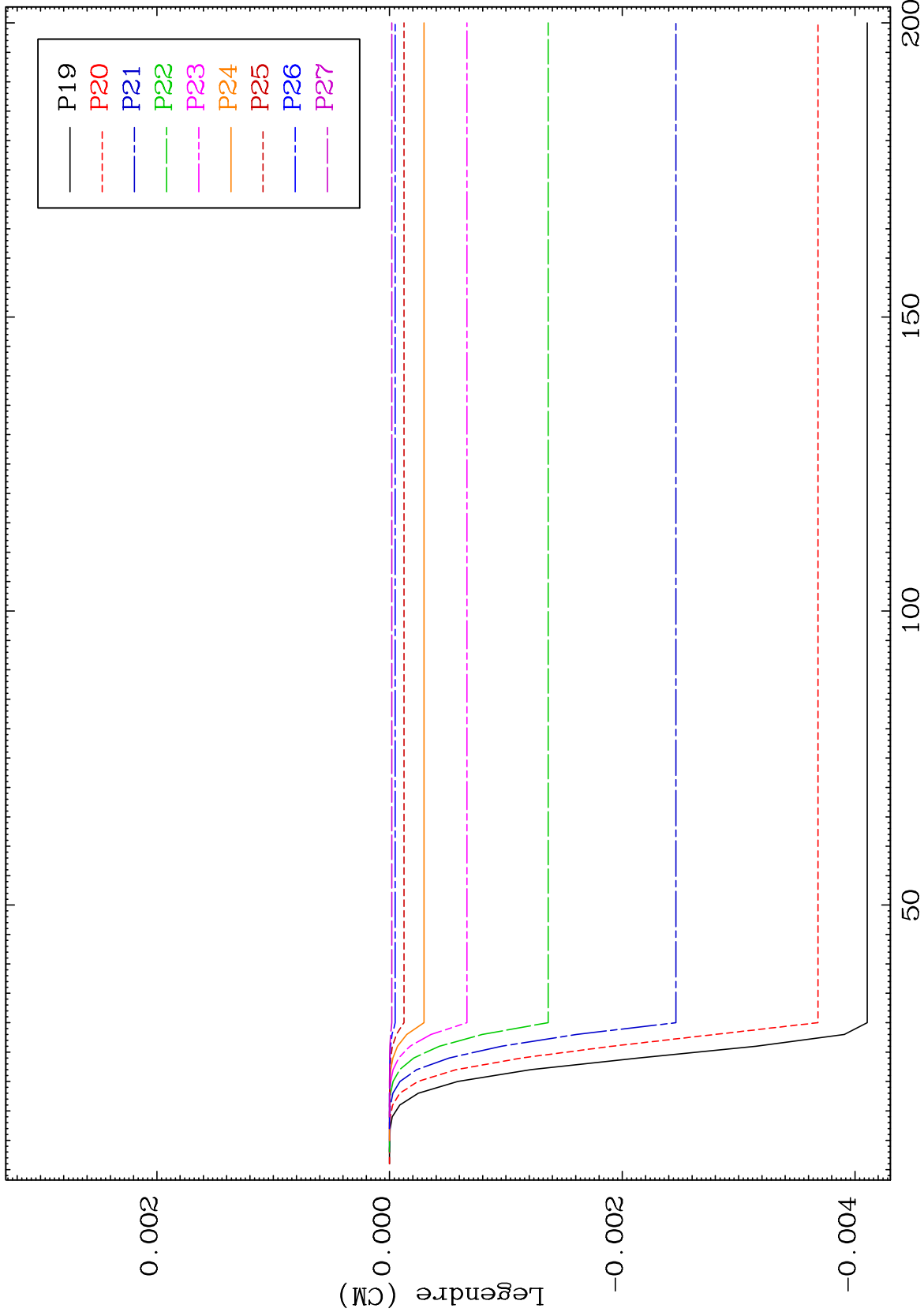
Incident Energy (MeV)

121

MAT 5864

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

58-Ce-149



122

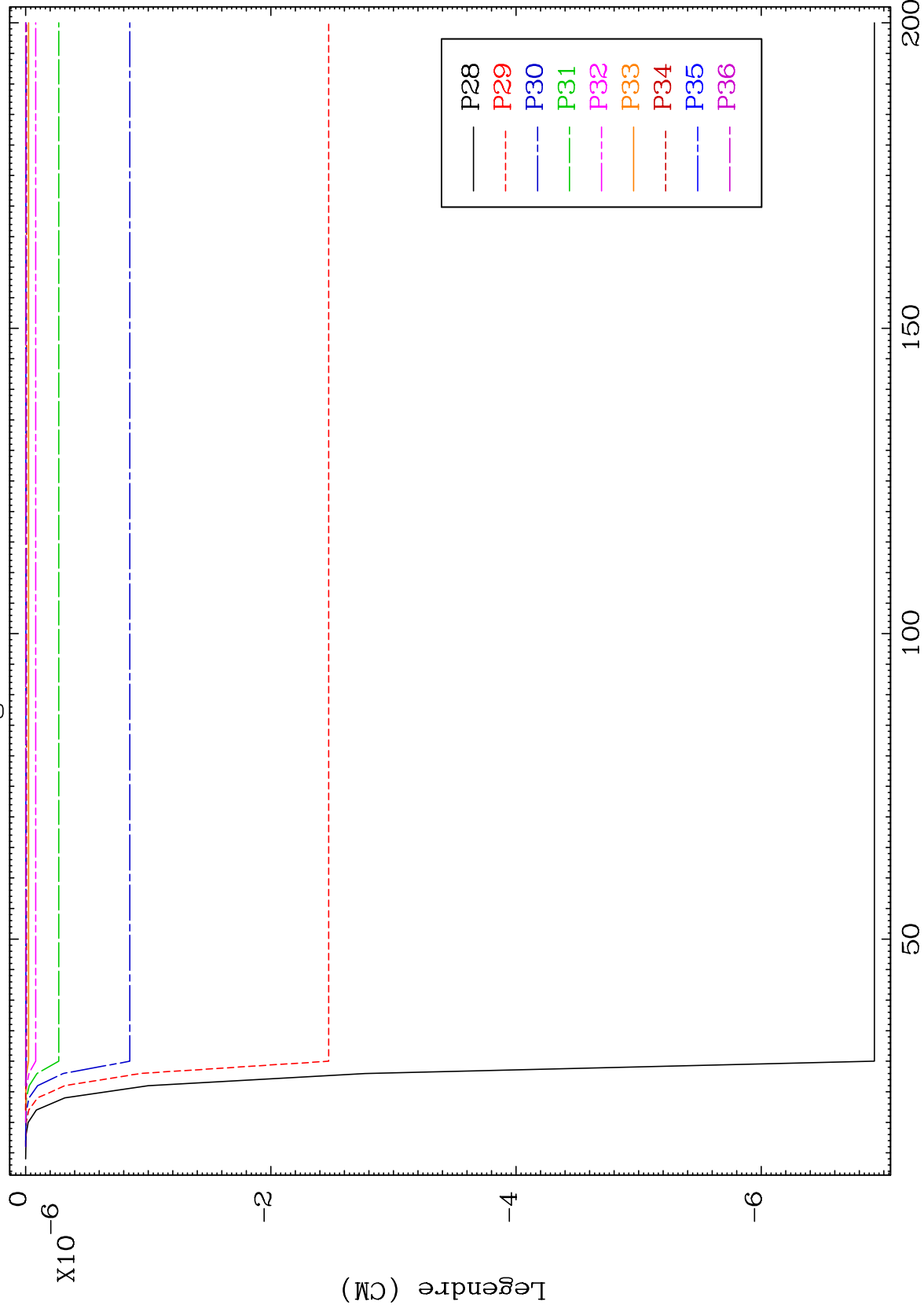
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



123

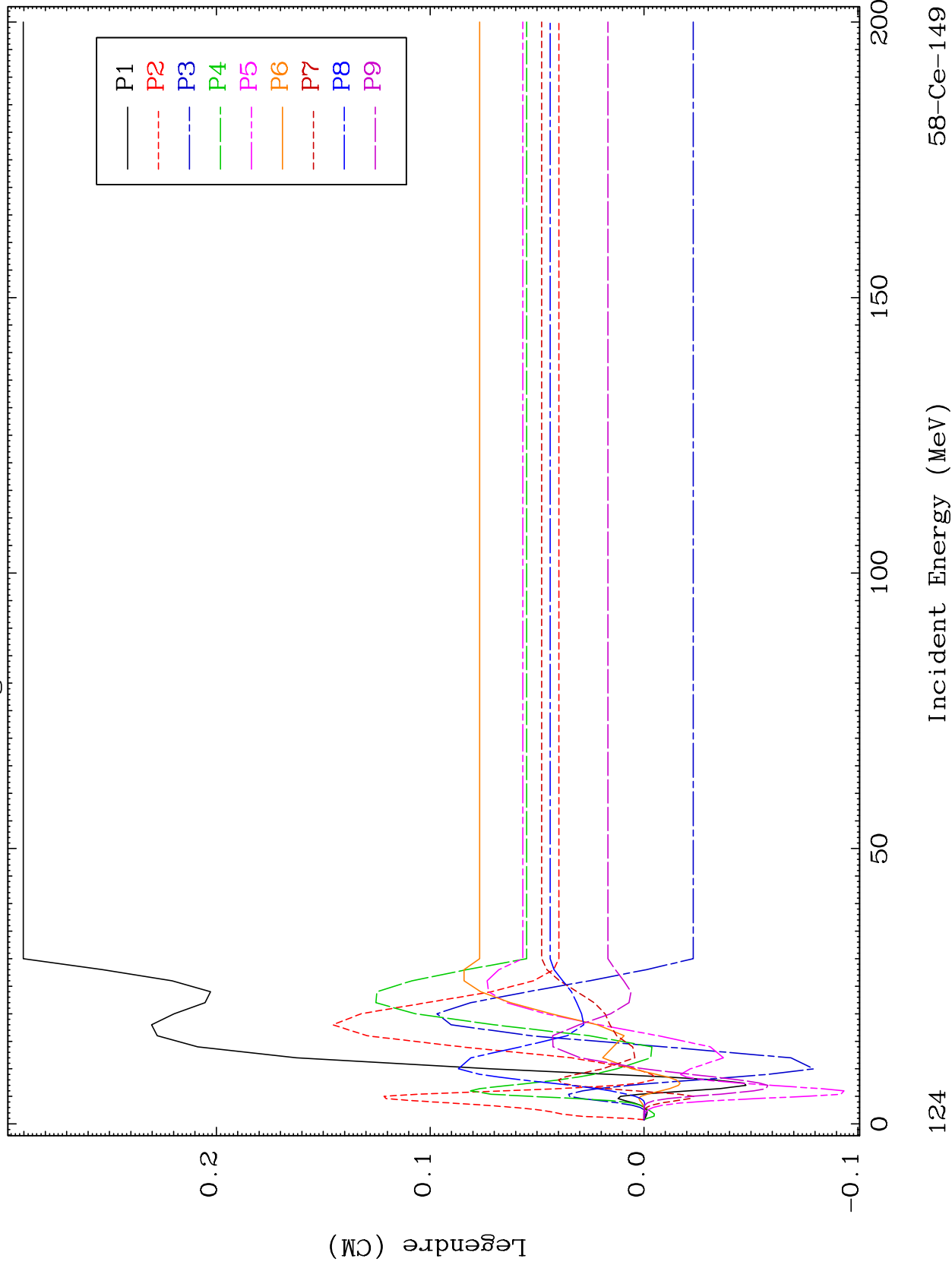
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



58-Ce-149

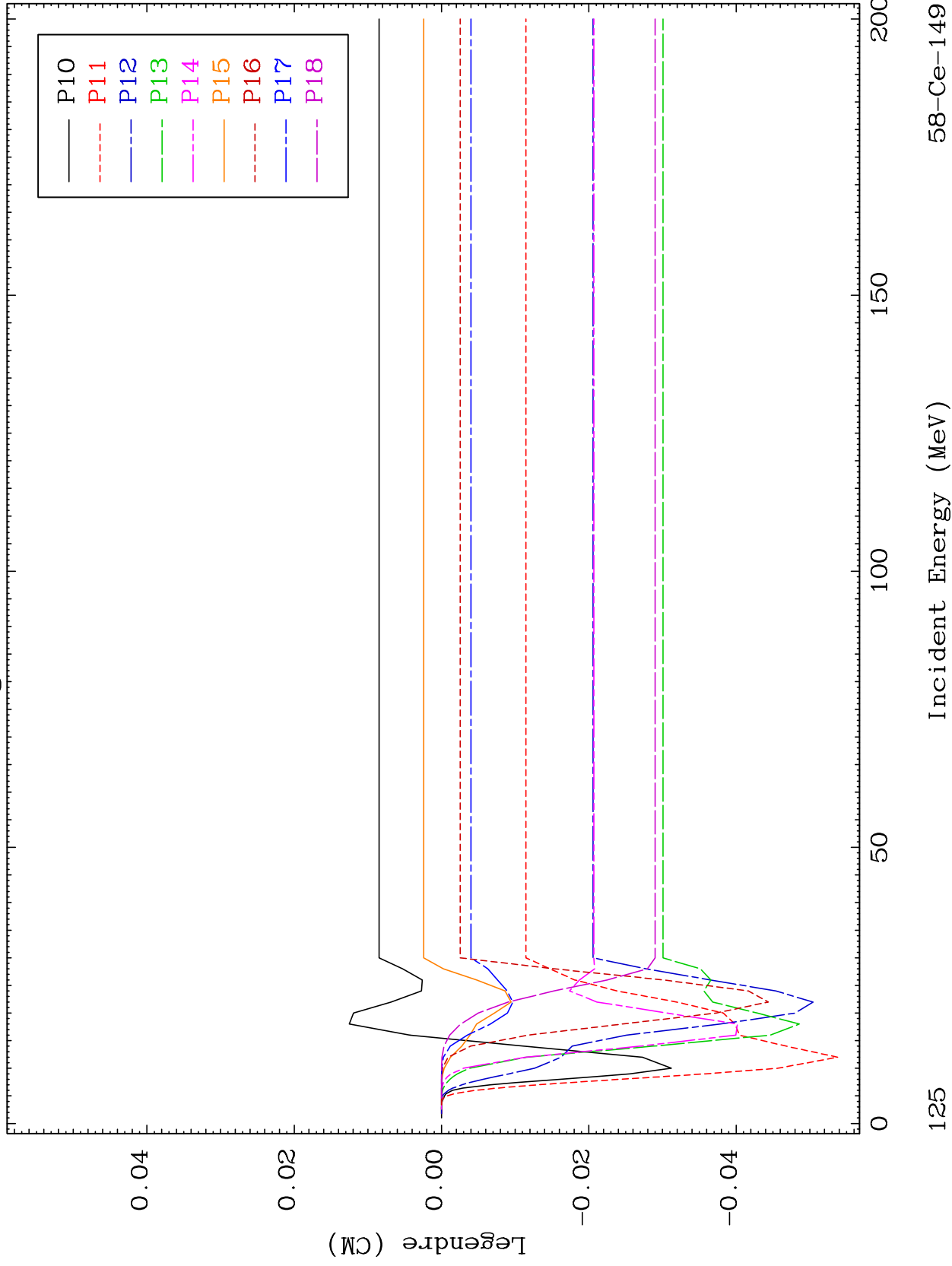
Incident Energy (MeV)

124

MAT 5864

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

58-Ce-149



58-Ce-149

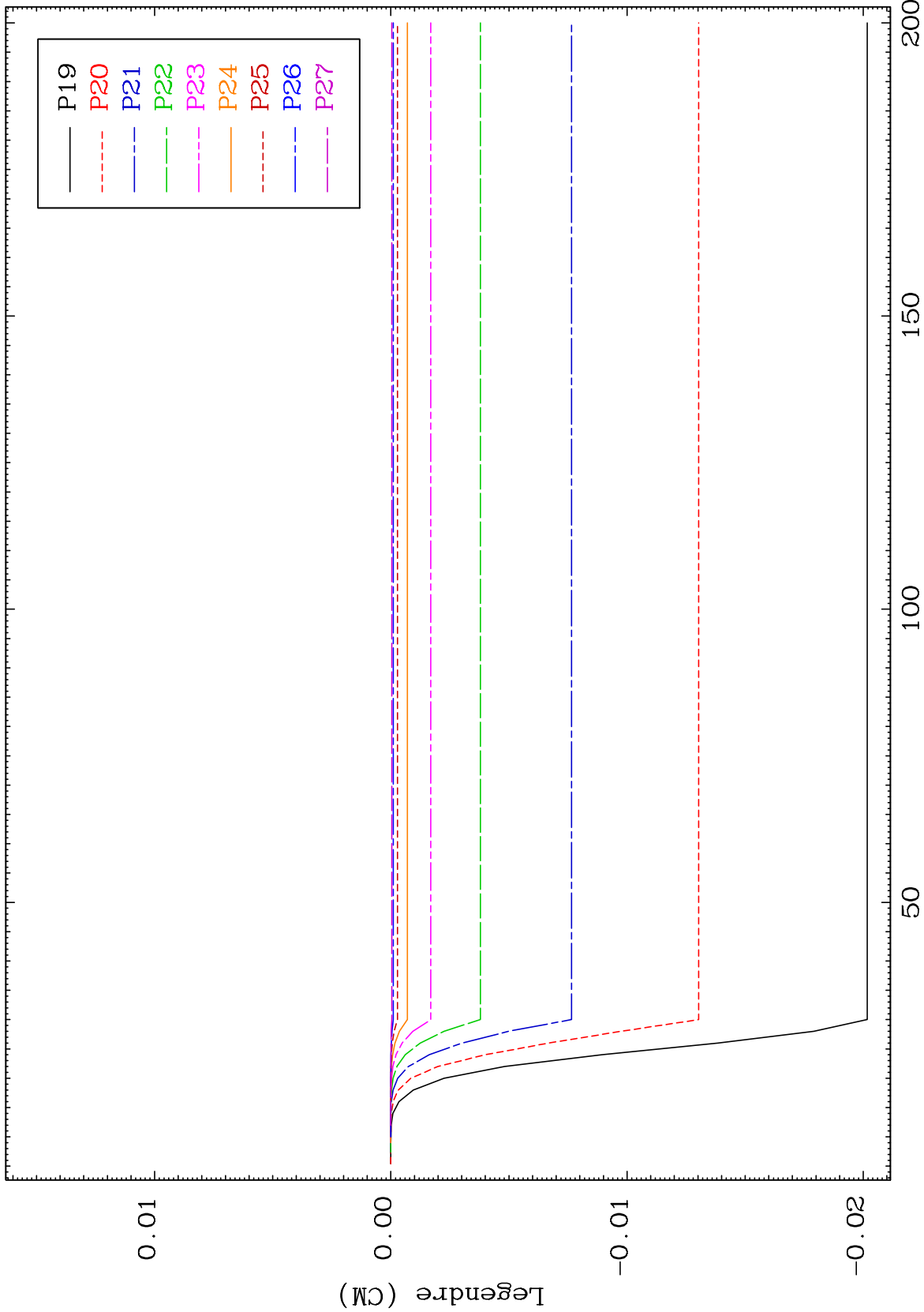
Incident Energy (MeV)

125

MAT 5864

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

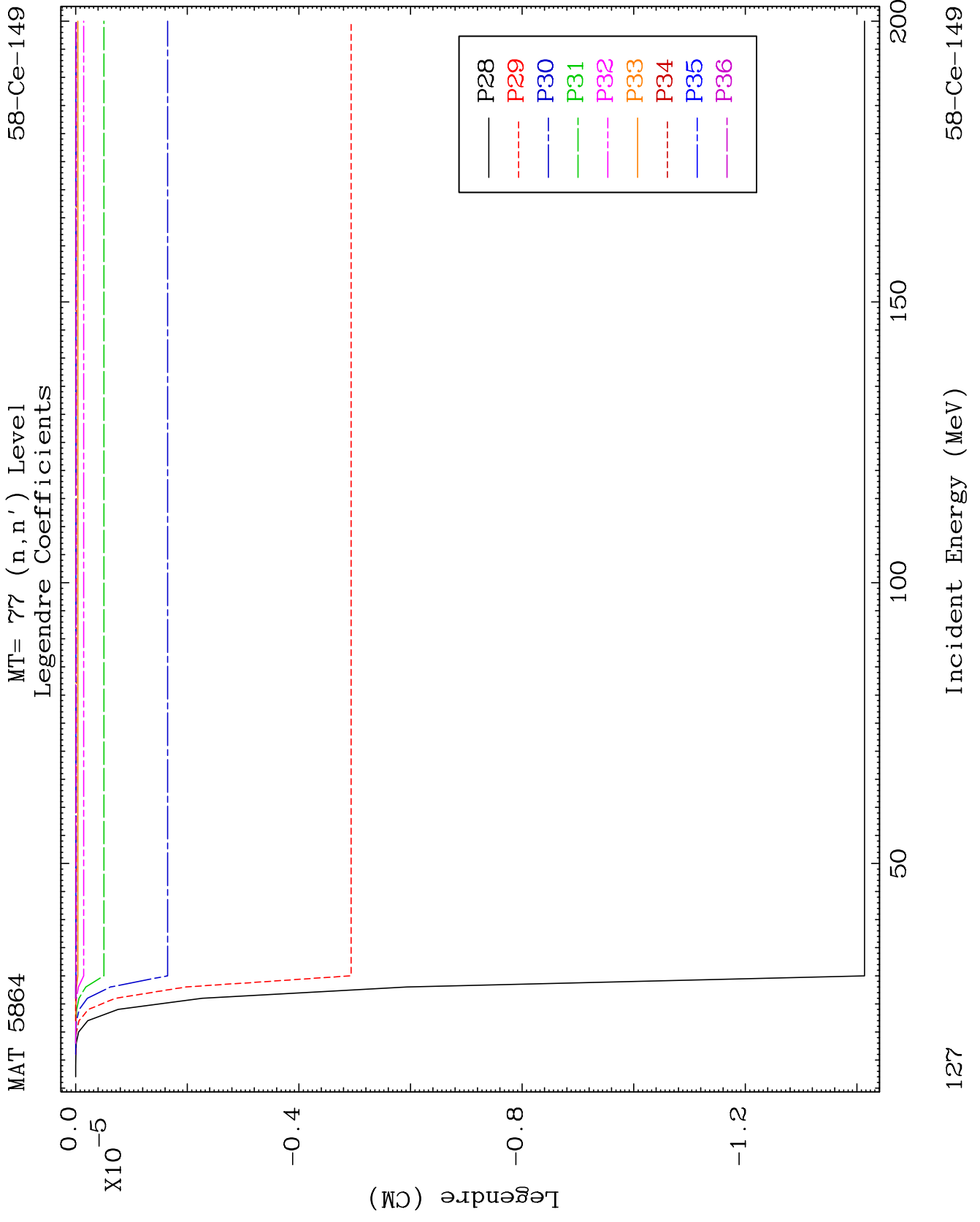
58-Ce-149



126

Incident Energy (MeV)

58-Ce-149

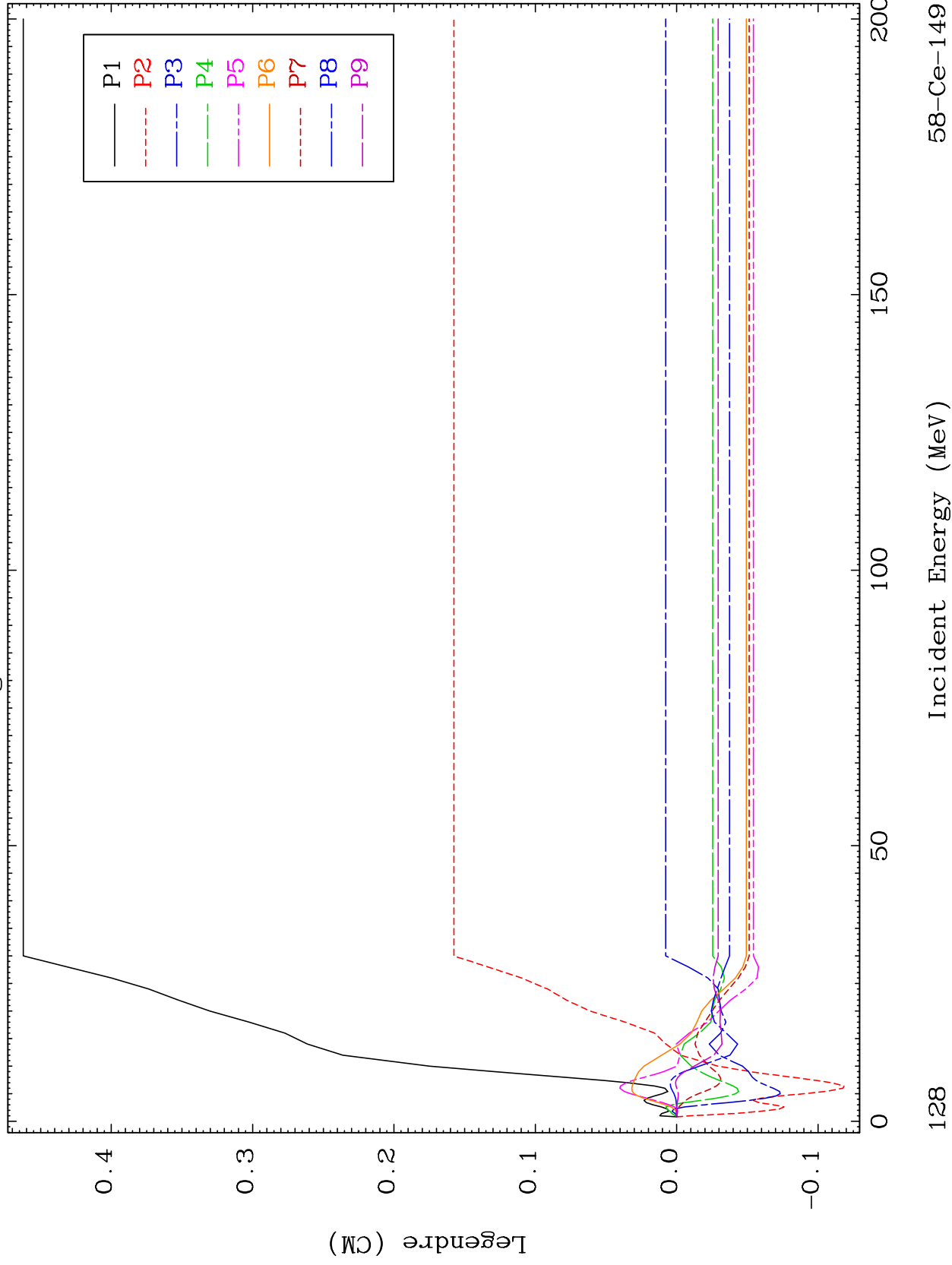




MAT 5864

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

58-Ce-149



58-Ce-149

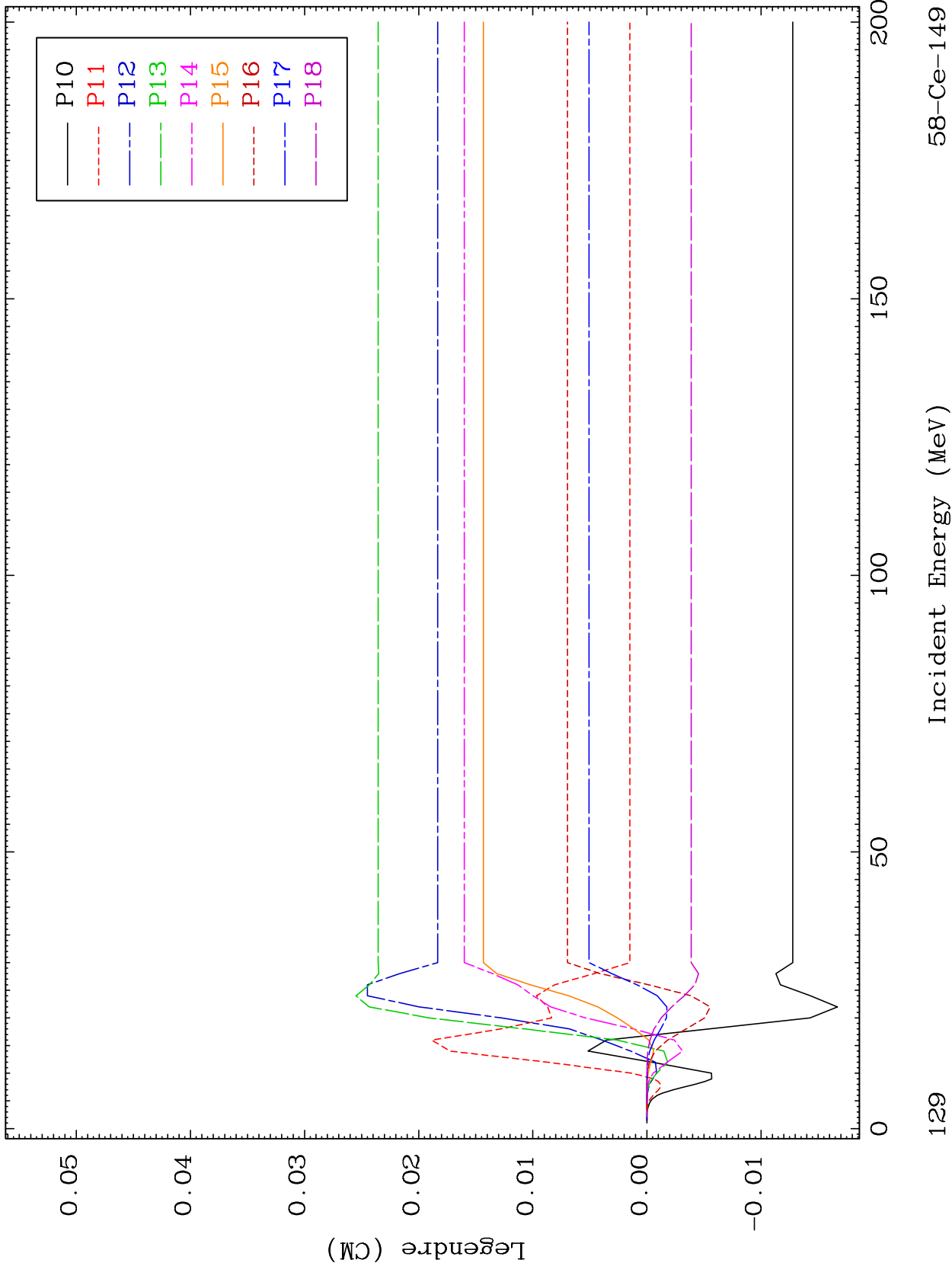
Incident Energy (MeV)

128

MAT 5864

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

58-Ce-149



58-Ce-149

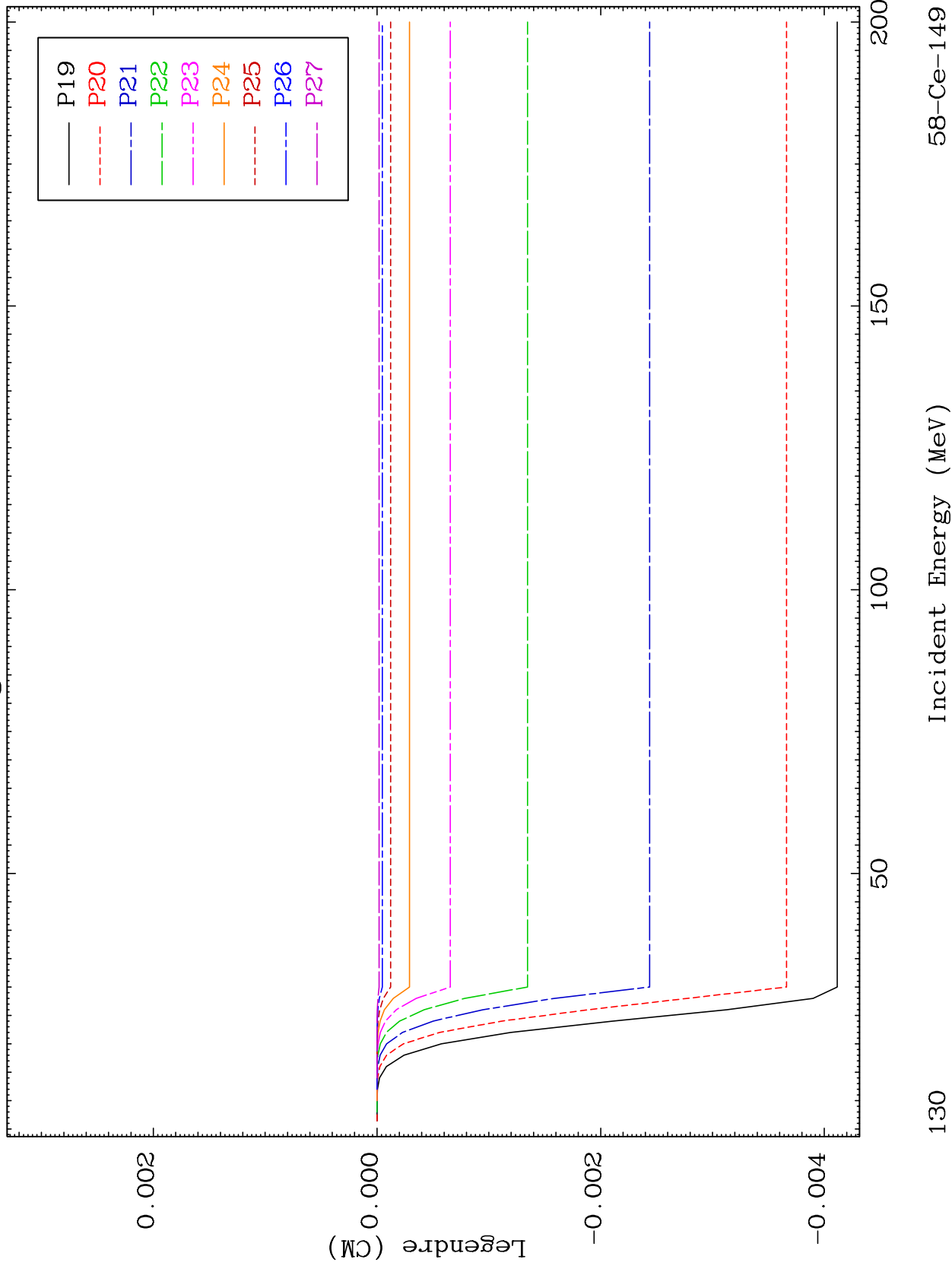
Incident Energy (MeV)

129

MAT 5864

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

58-Ce-149



130

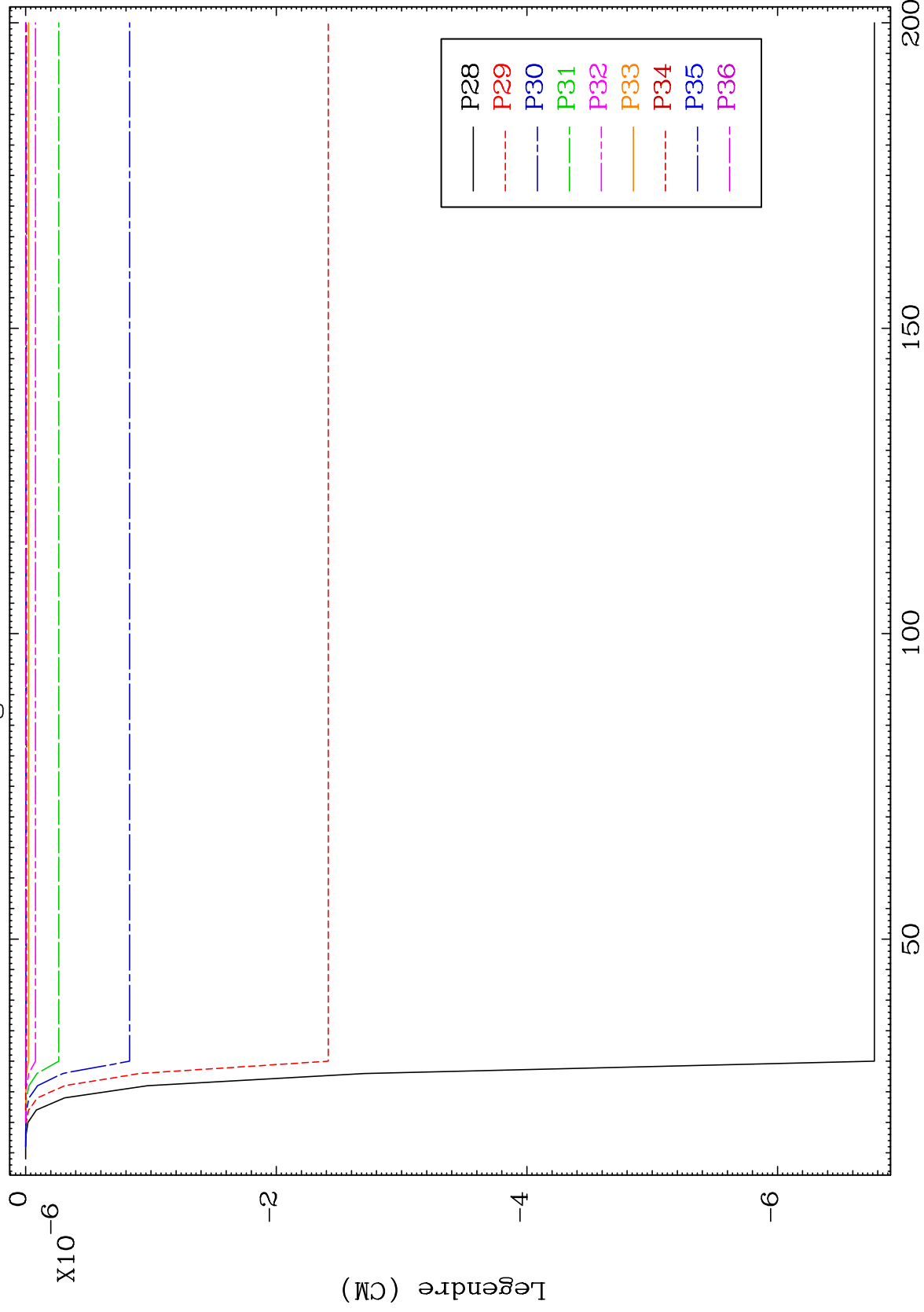
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



131

Incident Energy (MeV)

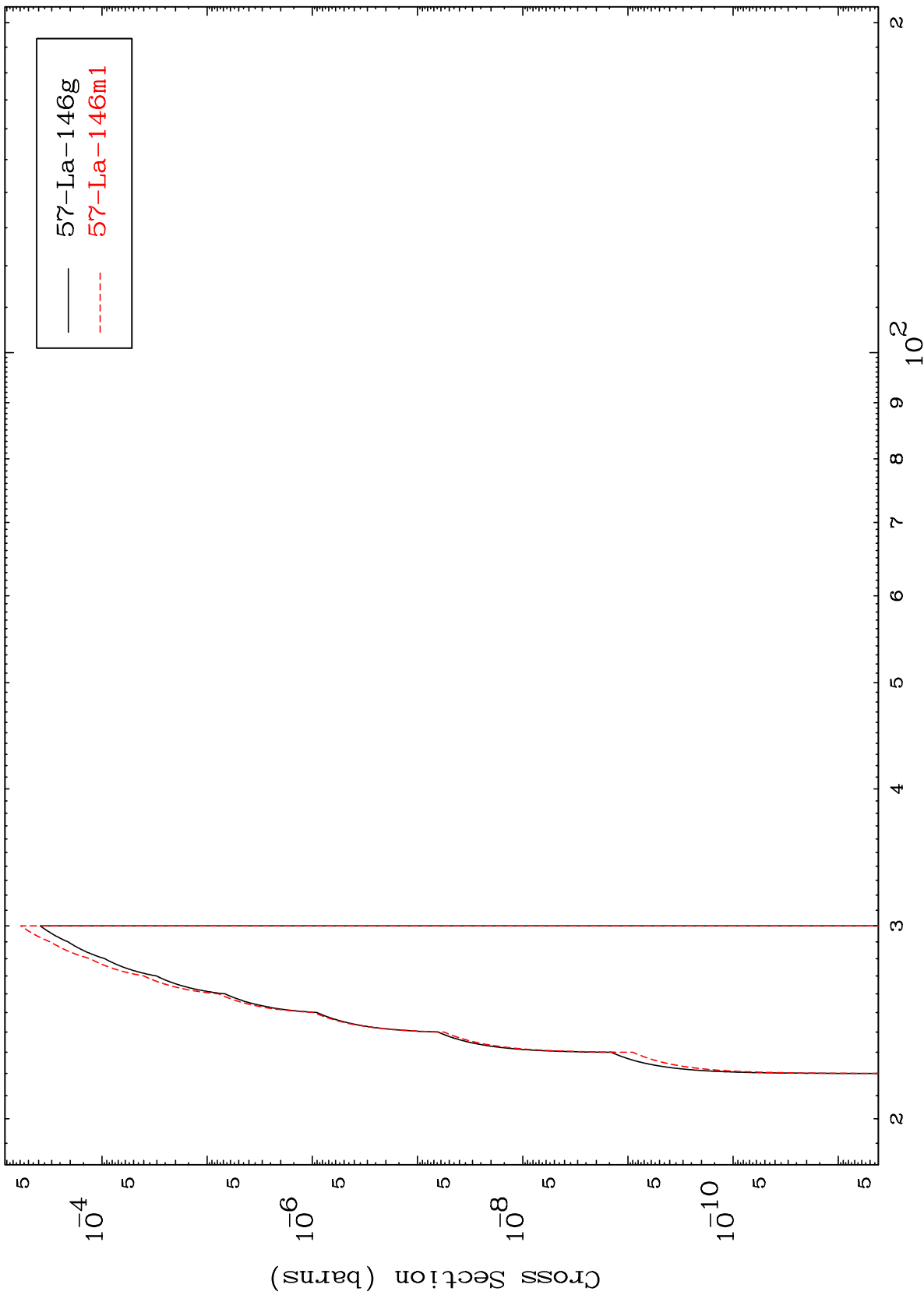
58-Ce-149

MAT 5864

(n,2n) d

58-Ce-149

Radionuclide Production Cross Section

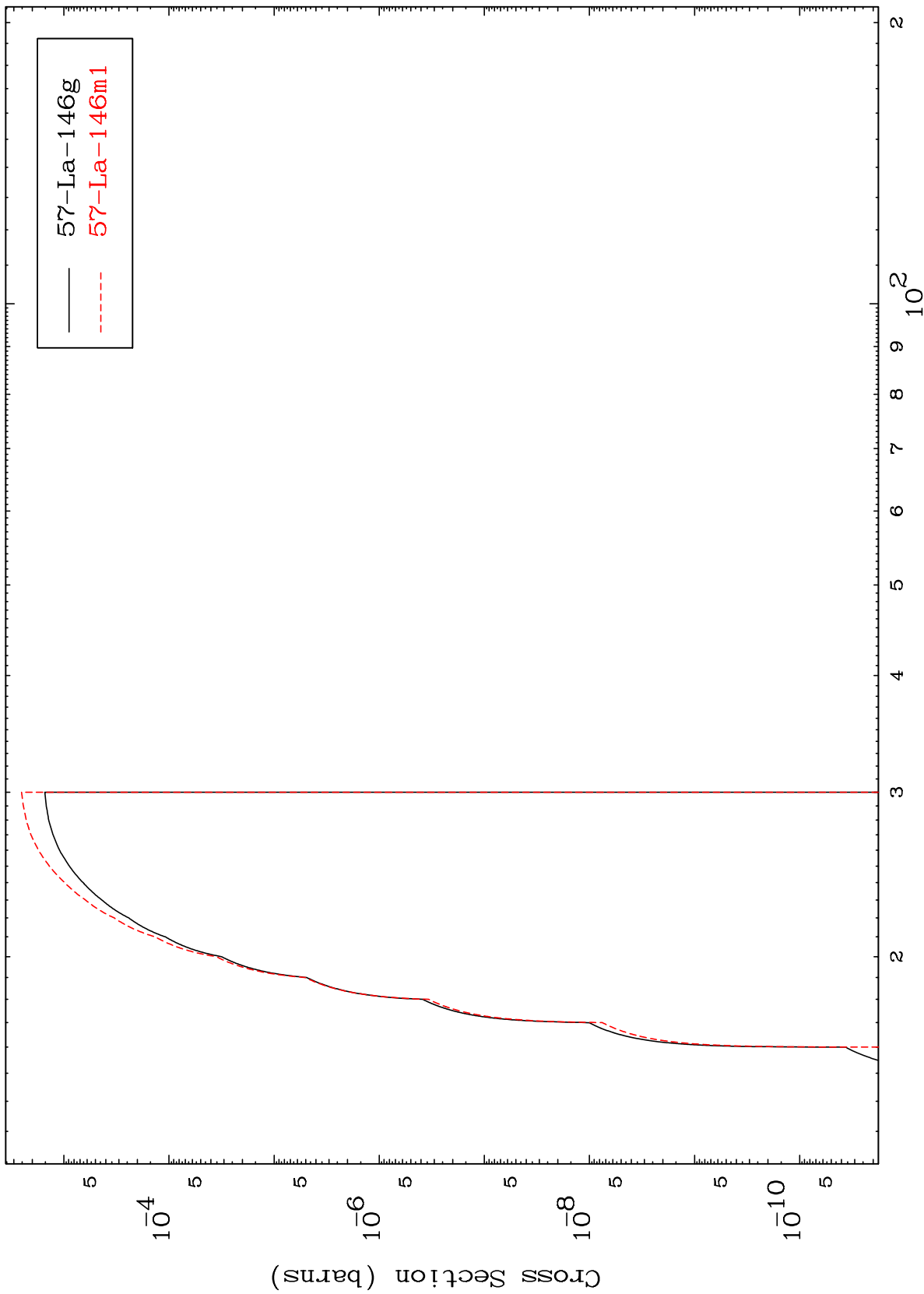


132

Incident Energy (MeV)

58-Ce-149

Radionuclide Production Cross Section

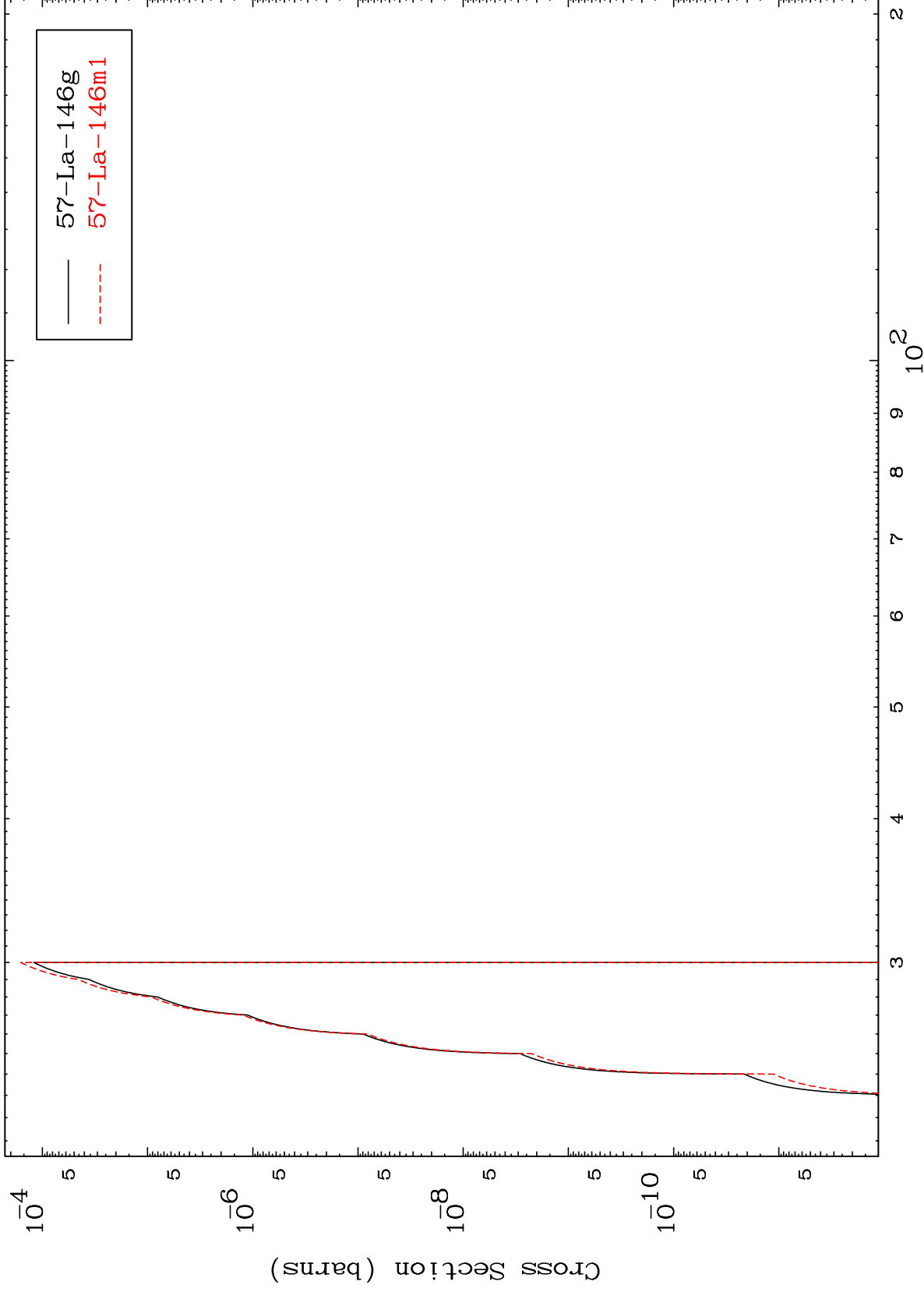


MAT 5864

(n,3n) p

58-Ce-149

Radionuclide Production Cross Section



134

Incident Energy (MeV)

58-Ce-149