

Program EVALPLOT  
(Version 2017-1)

by

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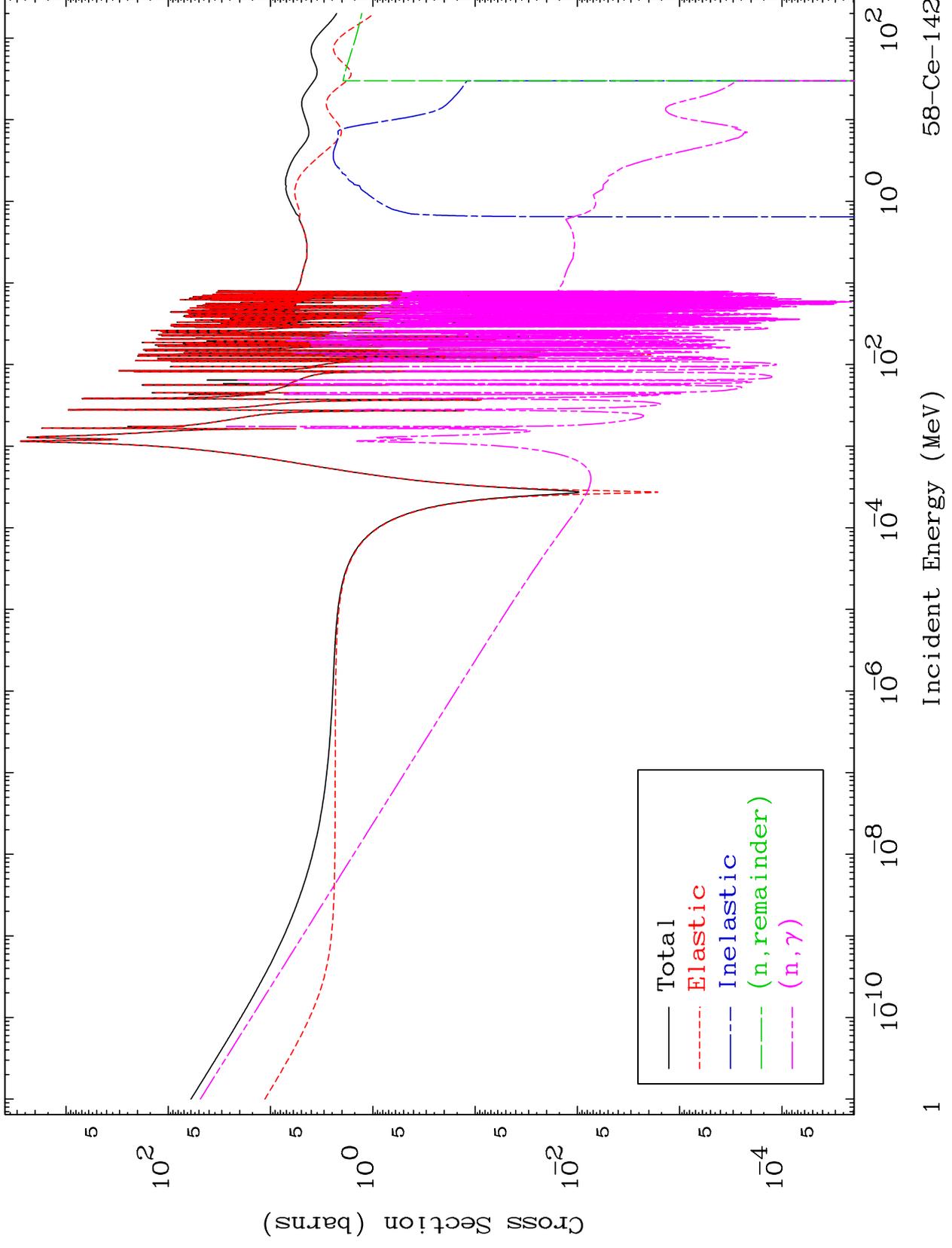
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MAT 5843

Major

293 Kelvin Cross Sections

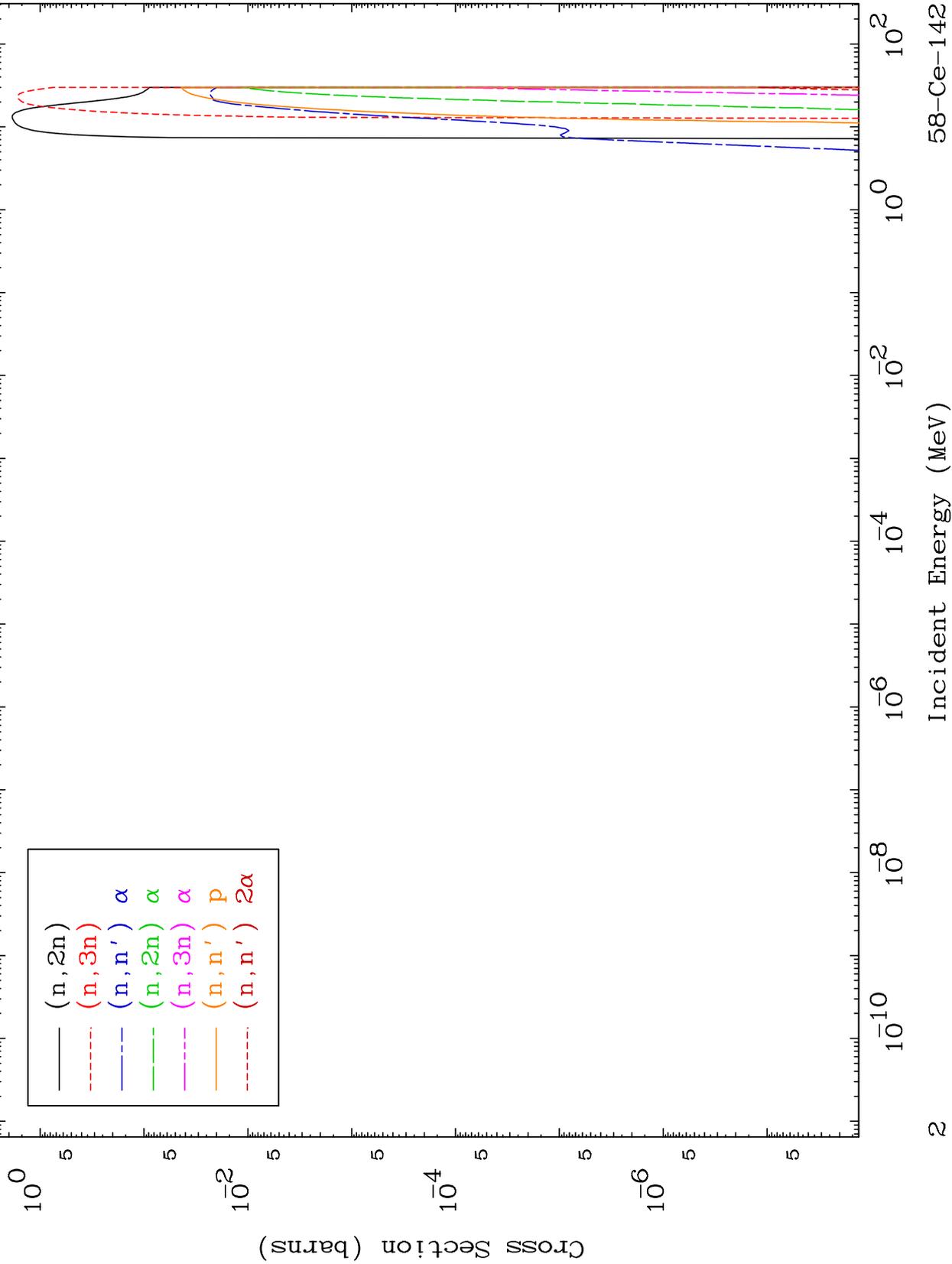
58-Ce-142



MAT 5843

Neutron Production  
293 Kelvin Cross Sections

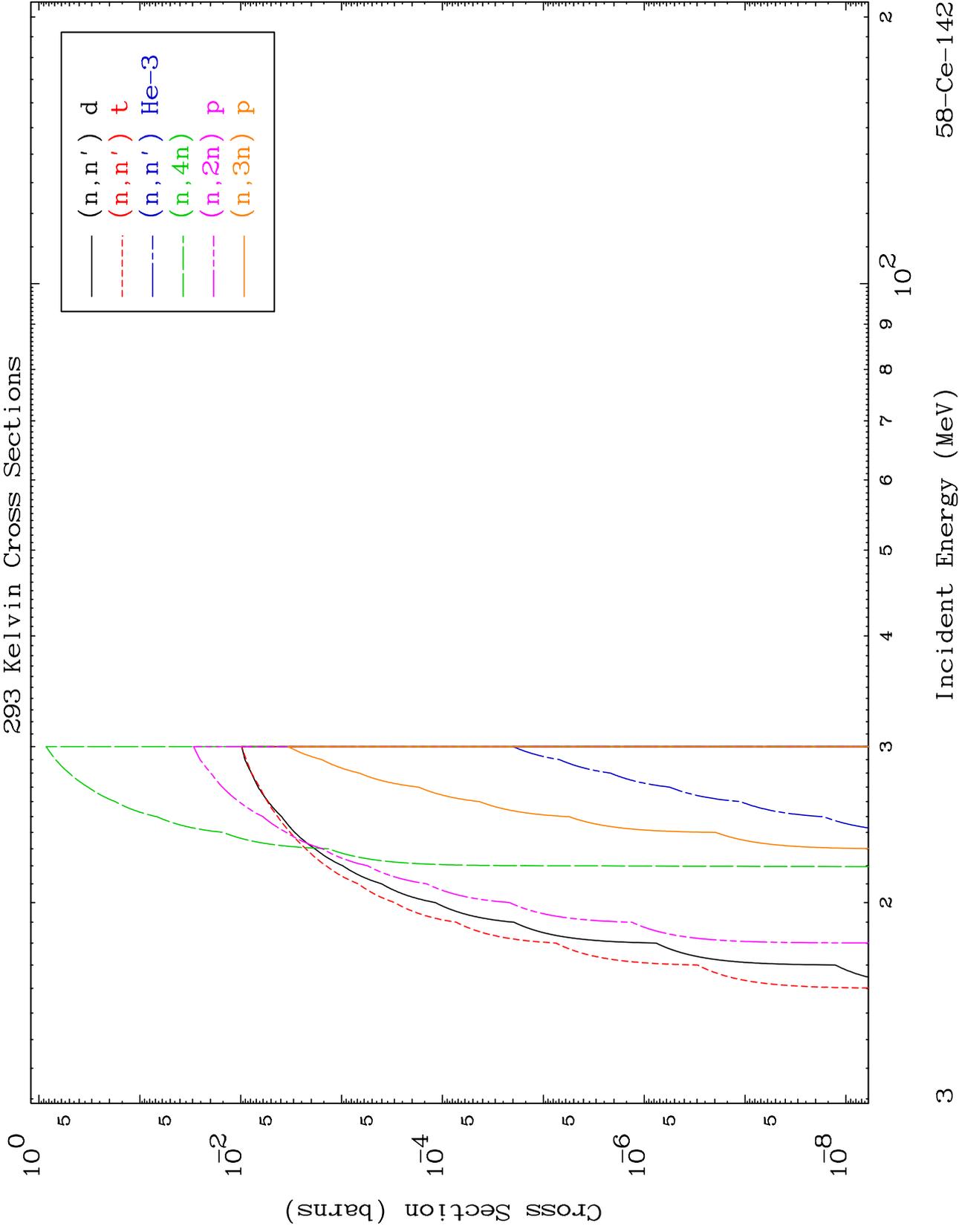
58-Ce-142



MAT 5843

Neutron Production  
293 Kelvin Cross Sections

58-Ce-142



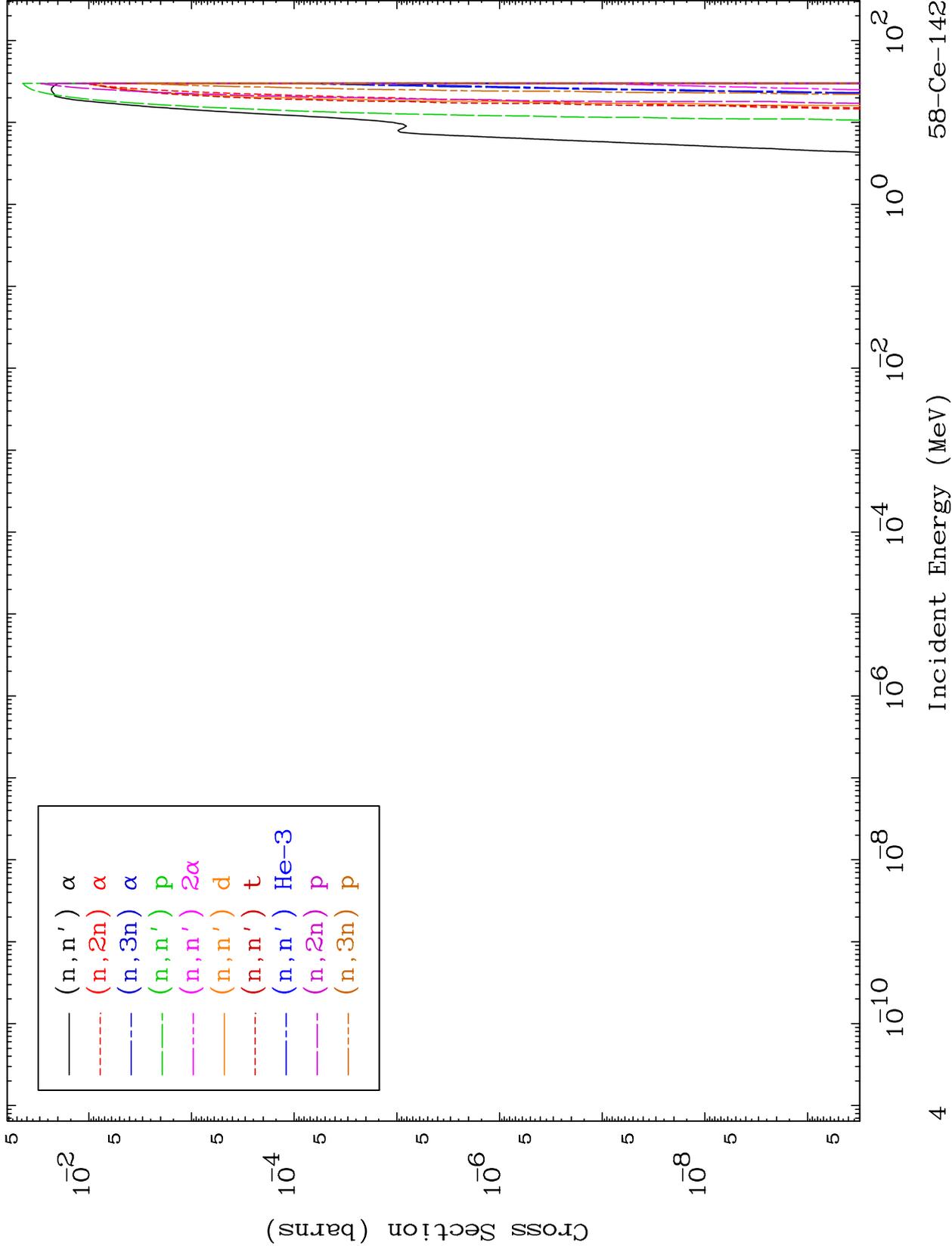
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58-Ce-142

MAT 5843

Charged Particle  
293 Kelvin Cross Sections

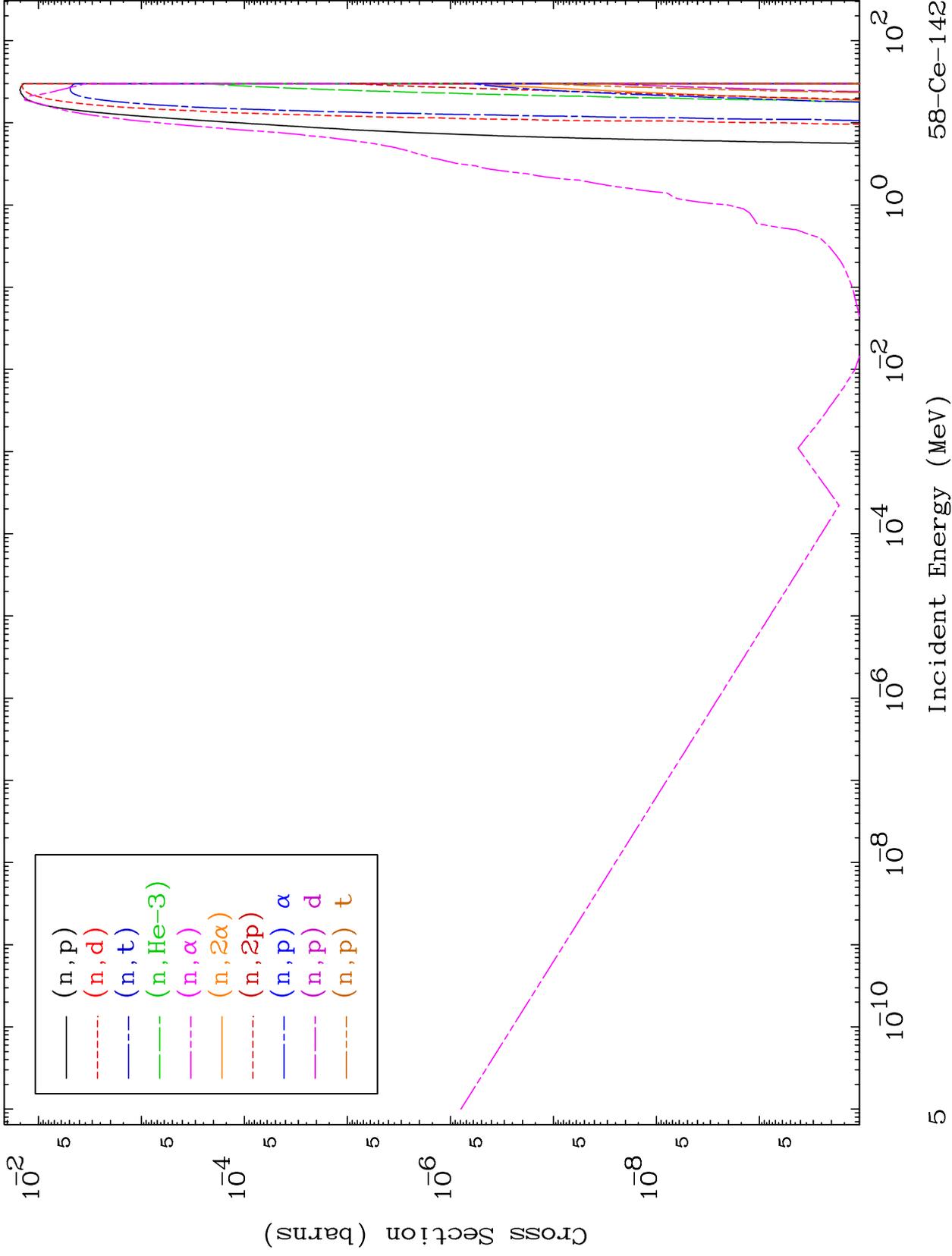
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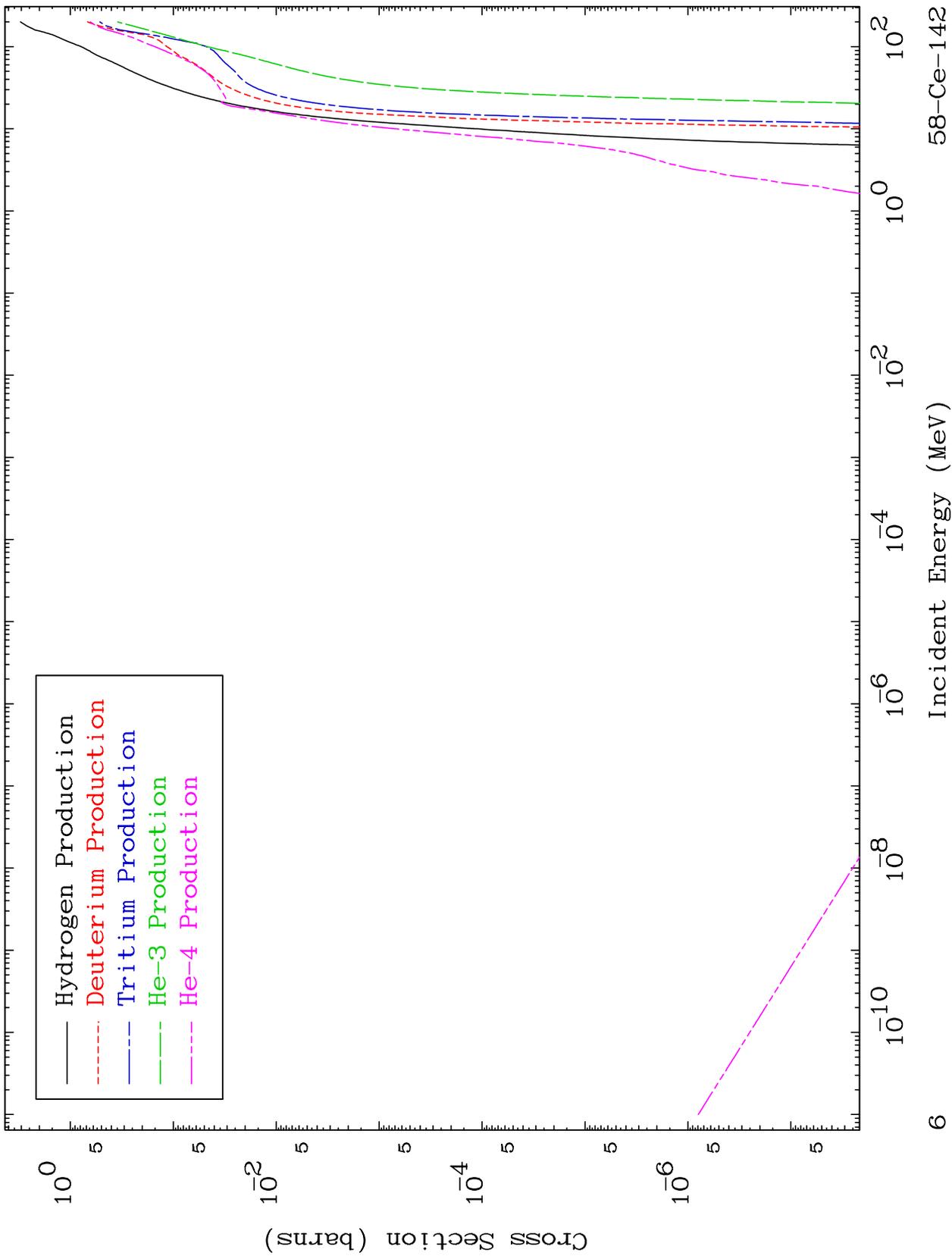


MAT 5843

Charged Particle  
293 Kelvin Cross Sections

58-Ce-142



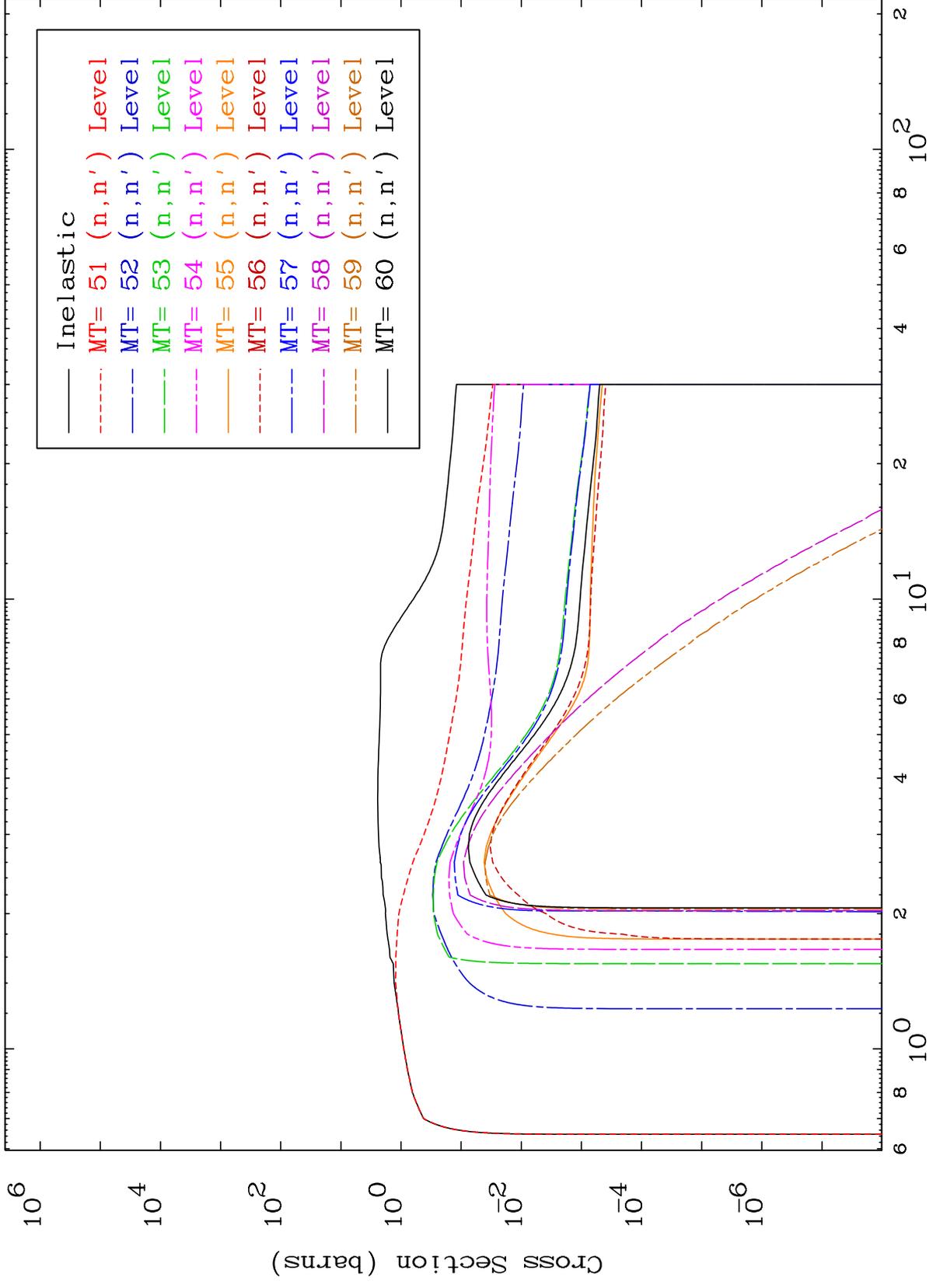


MAT 5843

(n,n') Level

58-Ce-142

293 Kelvin Cross Sections



Incident Energy (MeV)

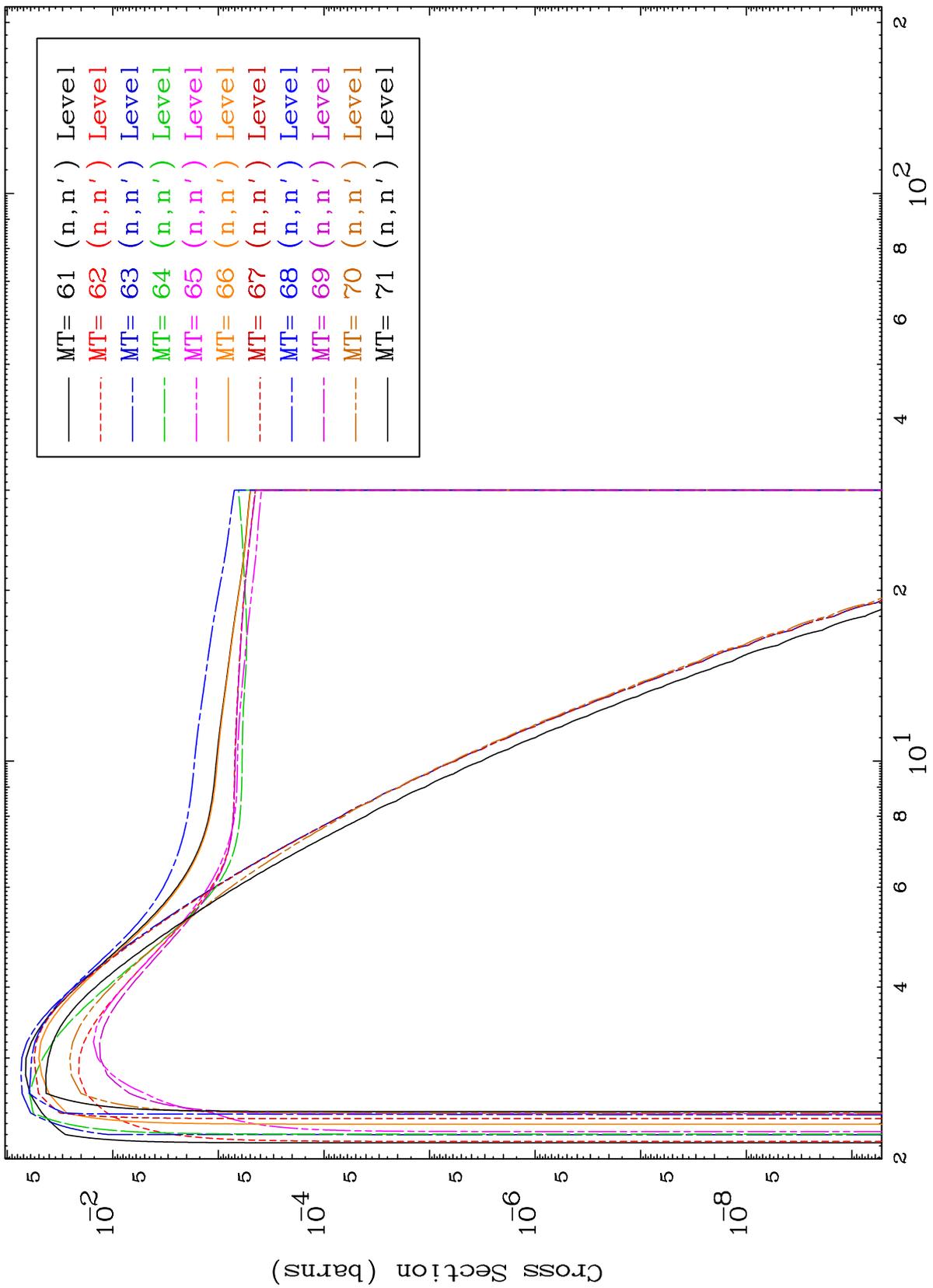
58-Ce-142

MAT 5843

(n,n') Level

58-Ce-142

293 Kelvin Cross Sections



8

Incident Energy (MeV)

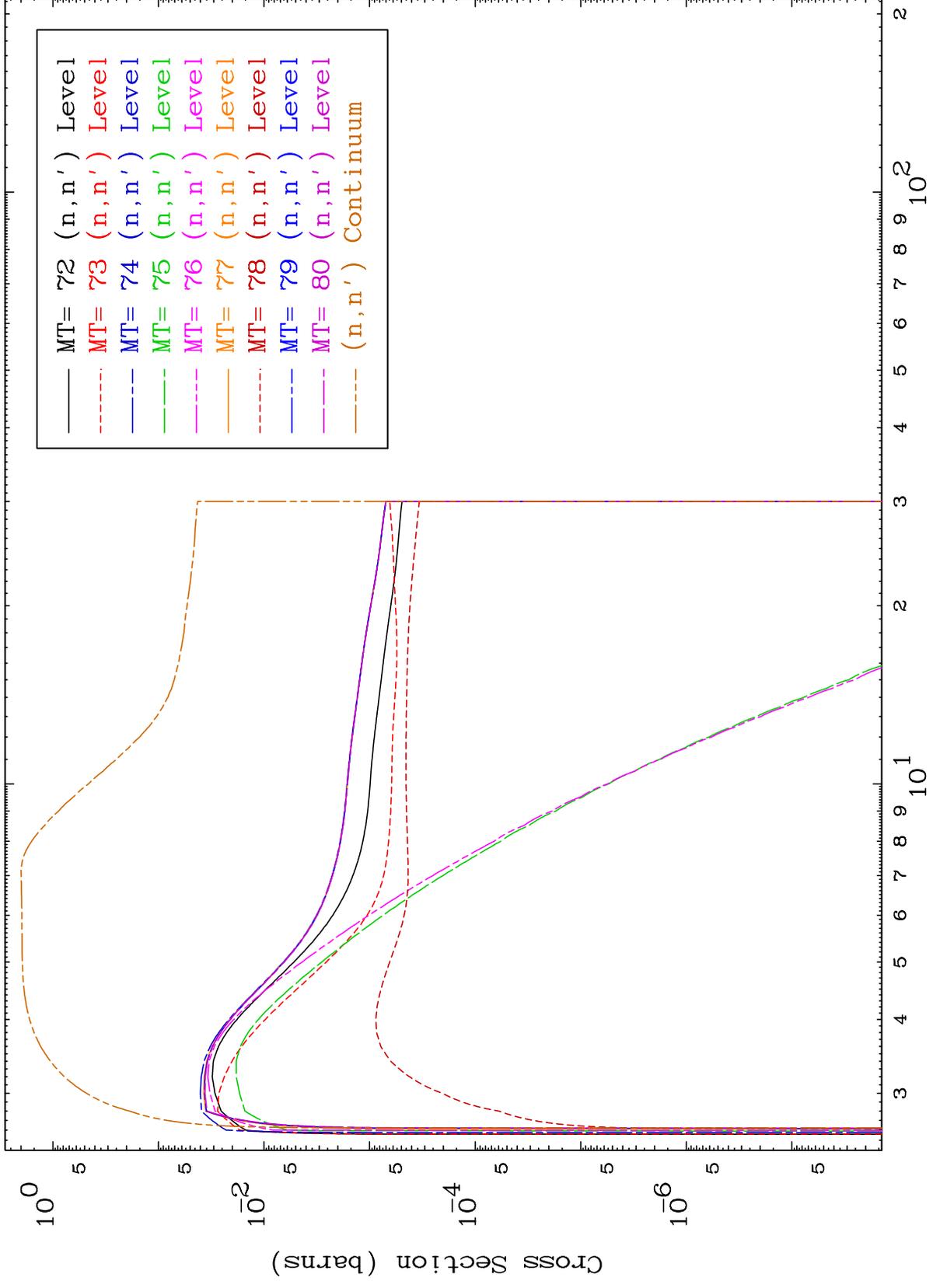
58-Ce-142

MAT 5843

(n,n') Level

58-Ce-142

293 Kelvin Cross Sections



9

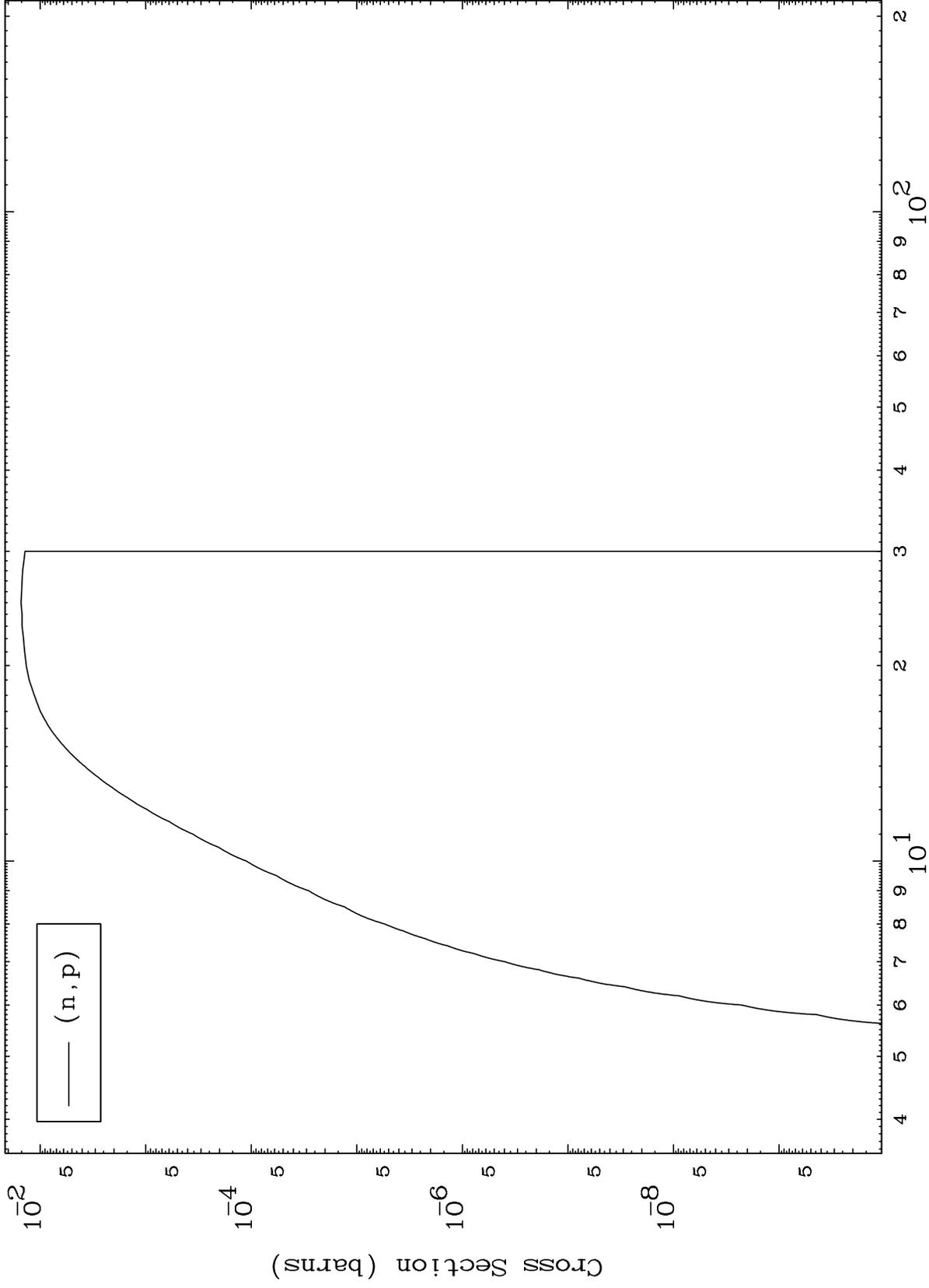
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,p) Levels  
293 Kelvin Cross Sections

58-Ce-142



10

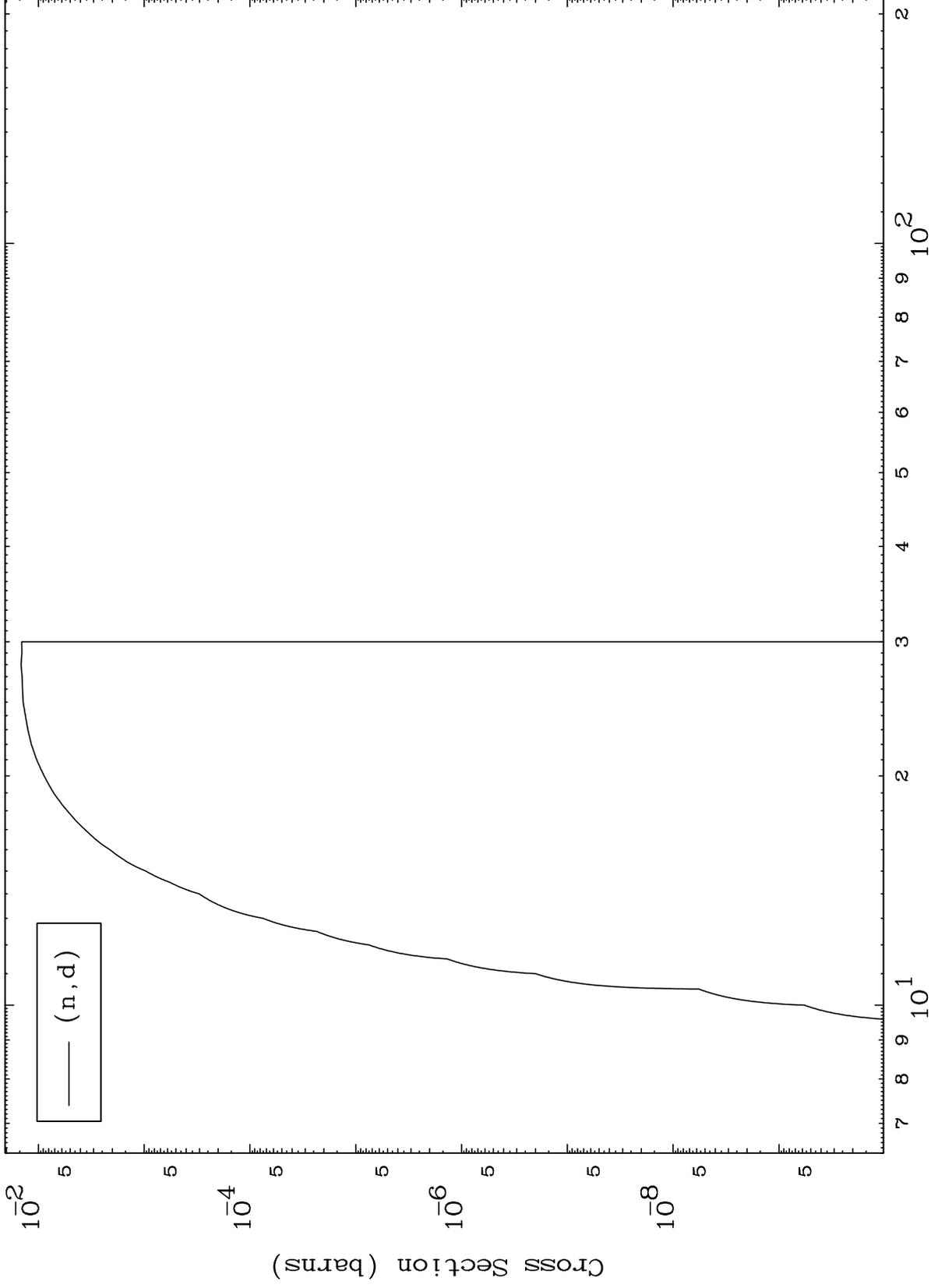
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58-Ce-142

MAT 5843

(n,d) Levels  
293 Kelvin Cross Sections

58-Ce-142



11

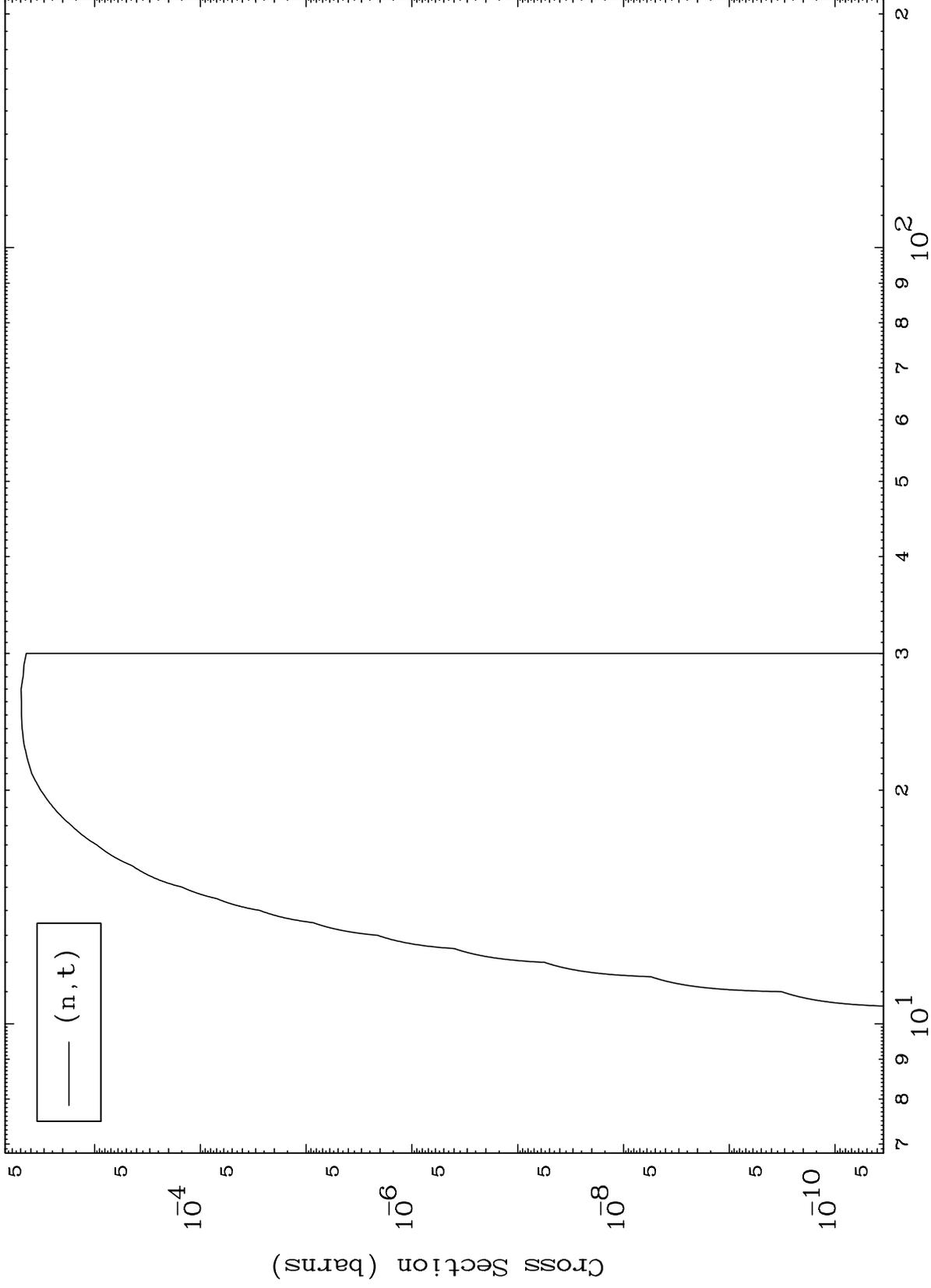
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,t) Levels  
293 Kelvin Cross Sections

58-Ce-142



12

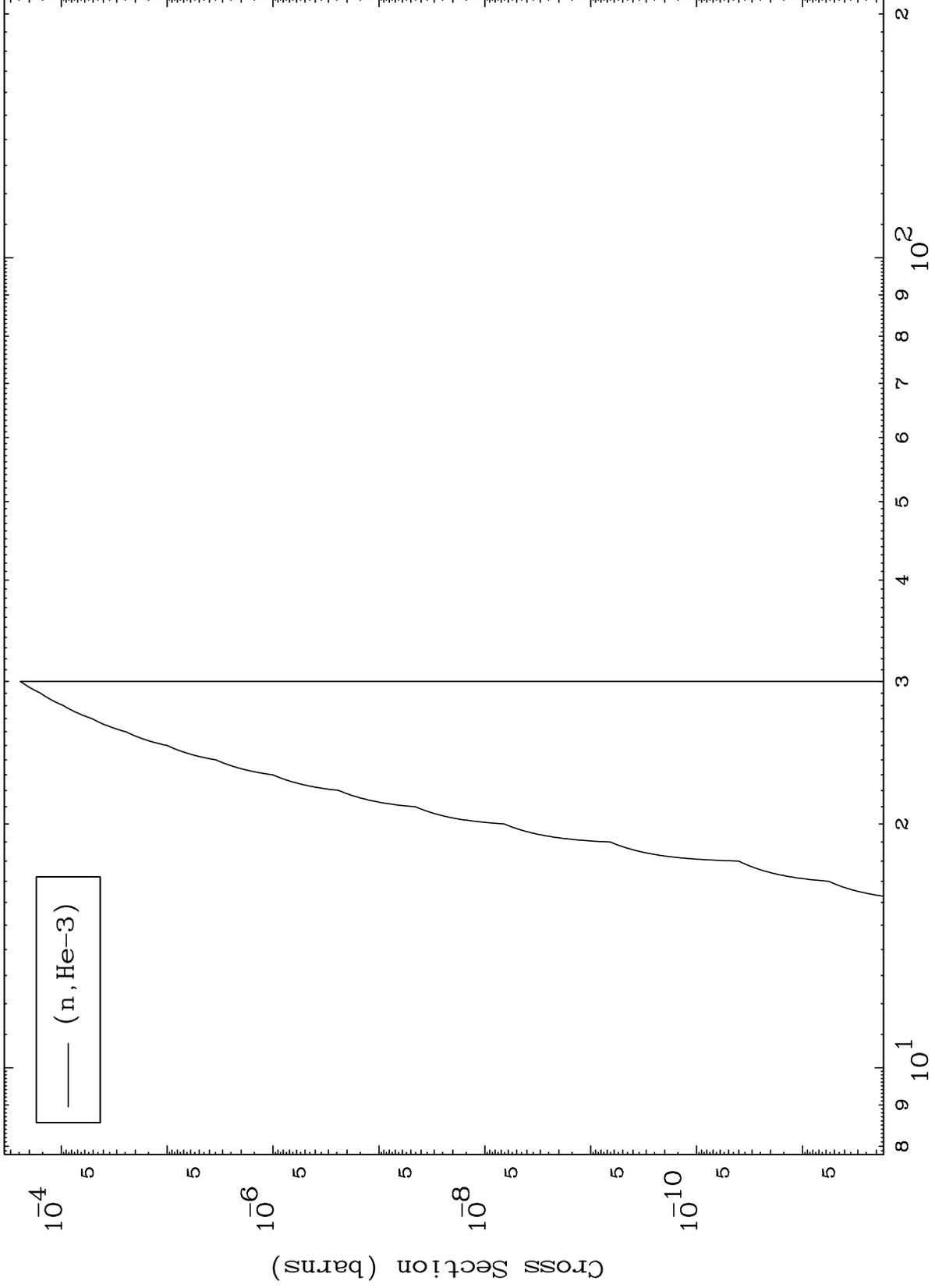
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,He3) Levels  
293 Kelvin Cross Sections

58-Ce-142



13

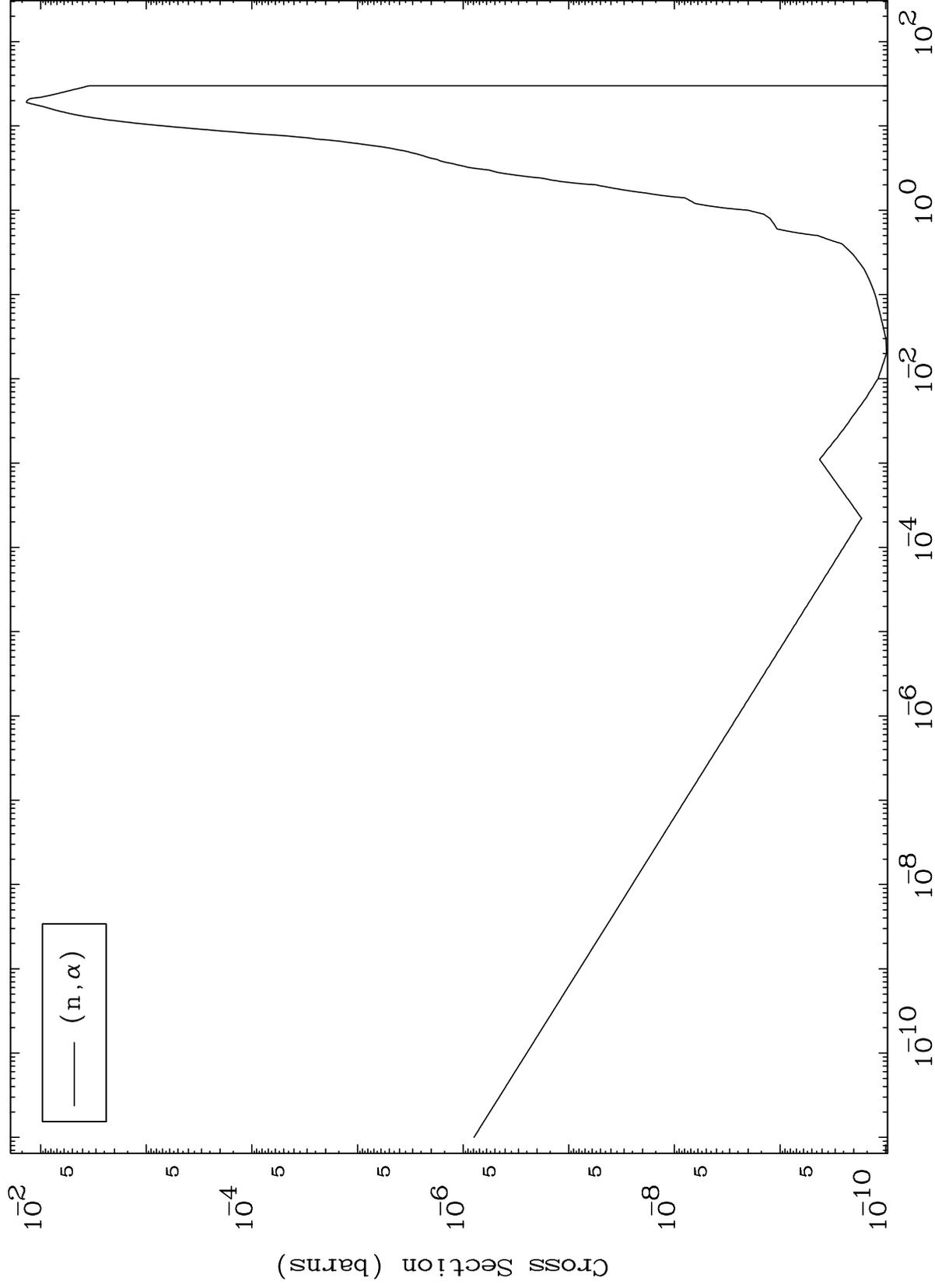
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

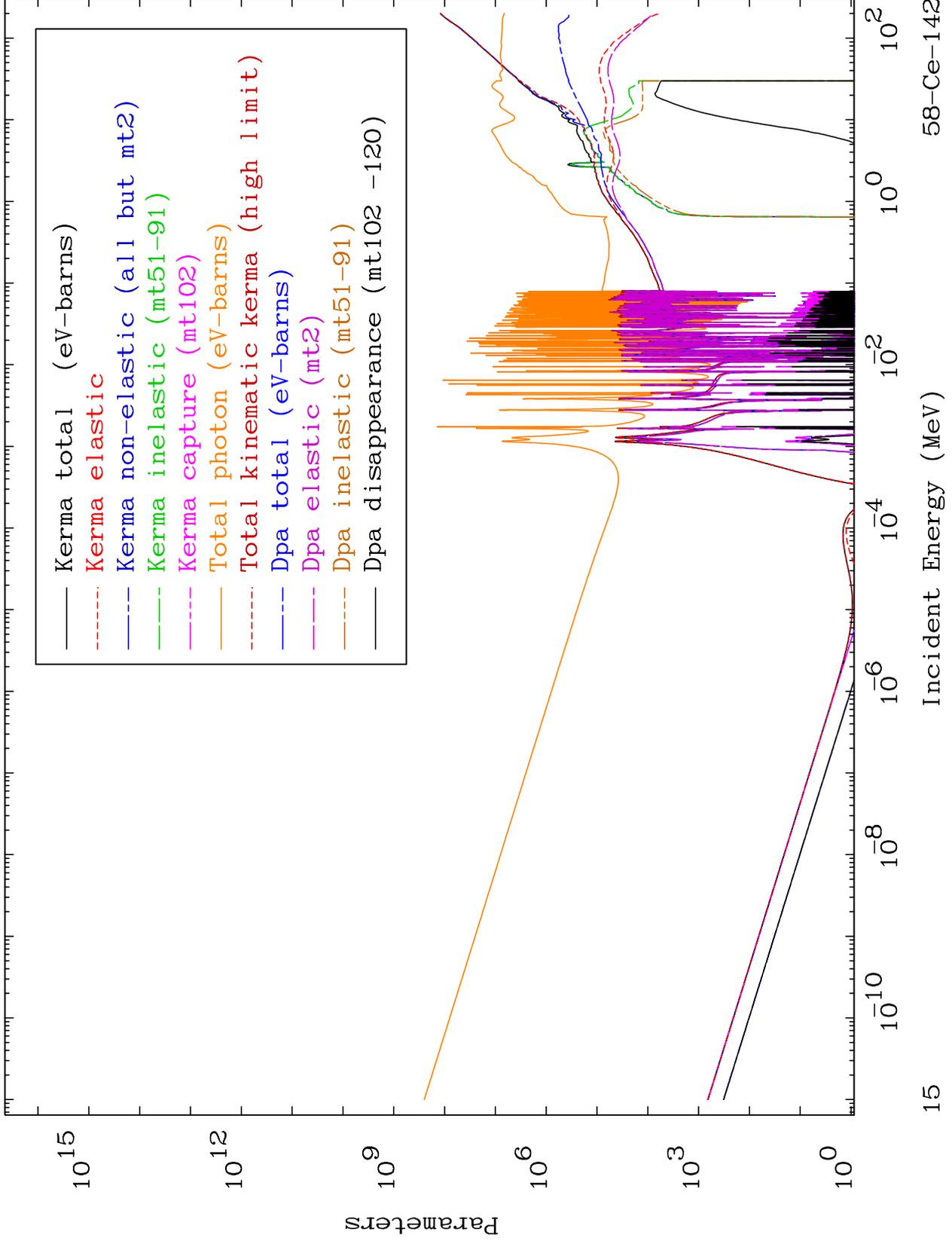
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14

Incident Energy (MeV)

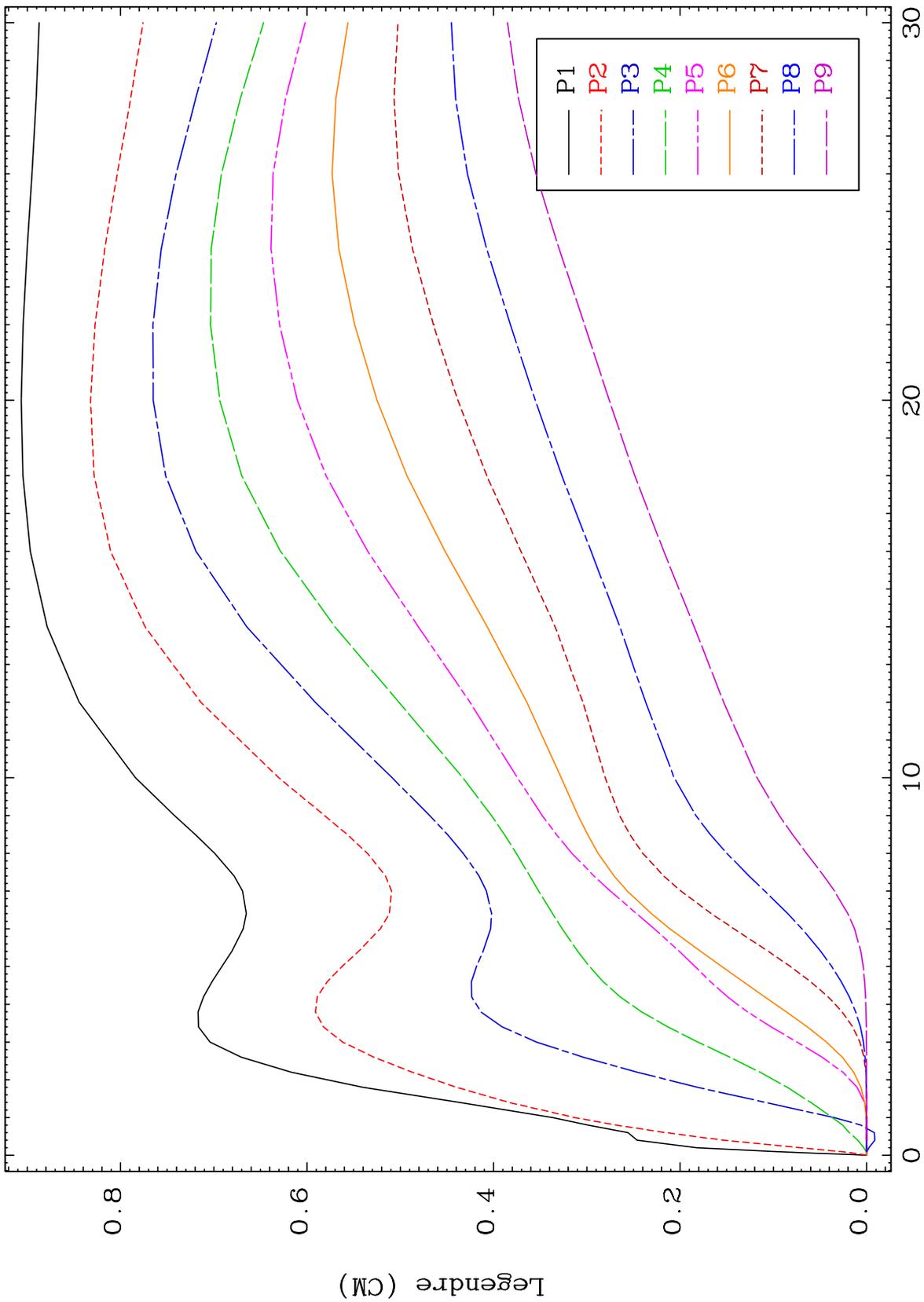
58-Ce-142



MAT 5843

Elastic Legendre Coefficients

58-Ce-142



16

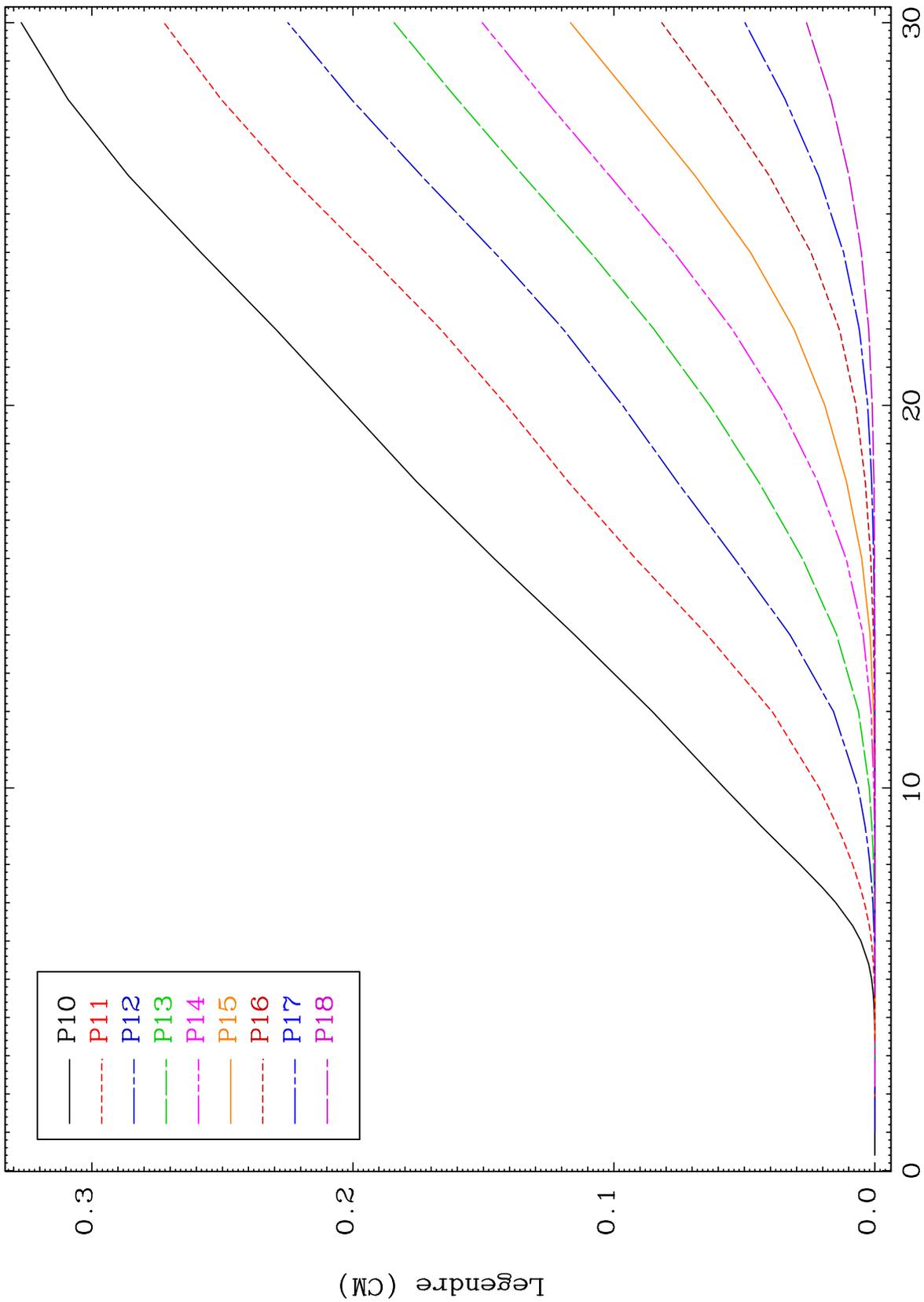
Incident Energy (MeV)

58-Ce-142

MAT 5843

Elastic Legendre Coefficients

58-Ce-142



17

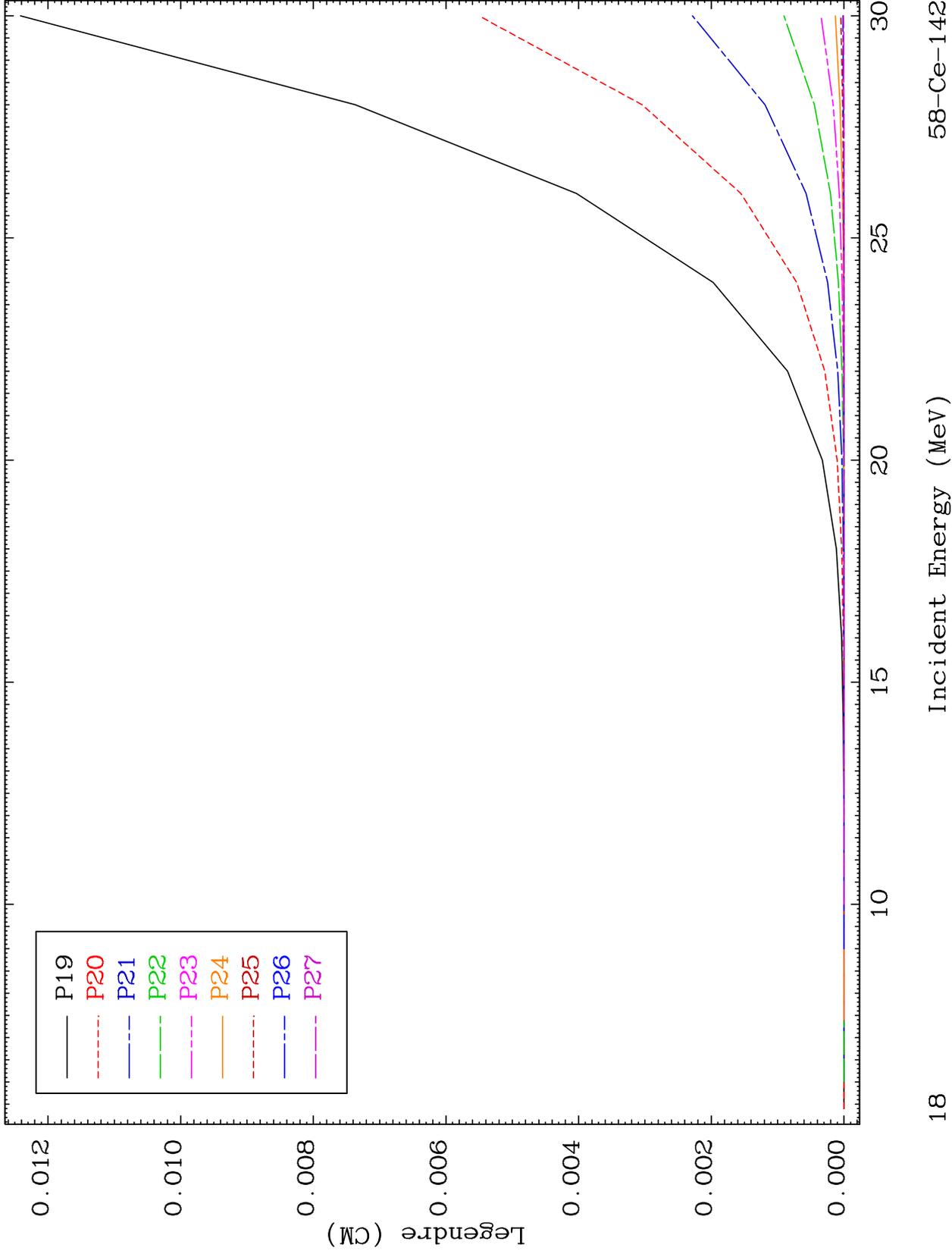
Incident Energy (MeV)

58-Ce-142

MAT 5843

Elastic Legendre Coefficients

58-Ce-142



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Incident Energy (MeV)

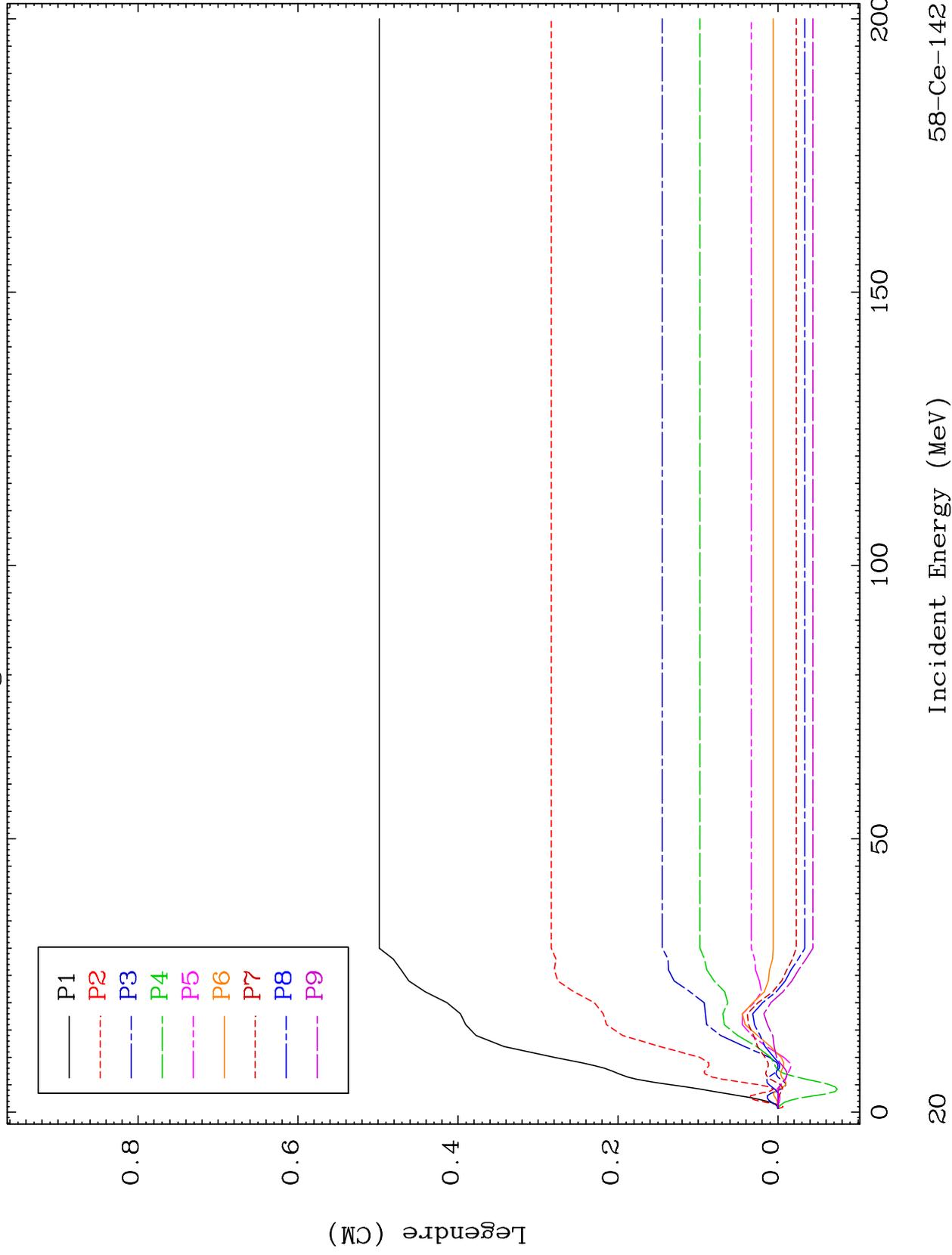
58-Ce-142



MAT 5843

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

58-Ce-142

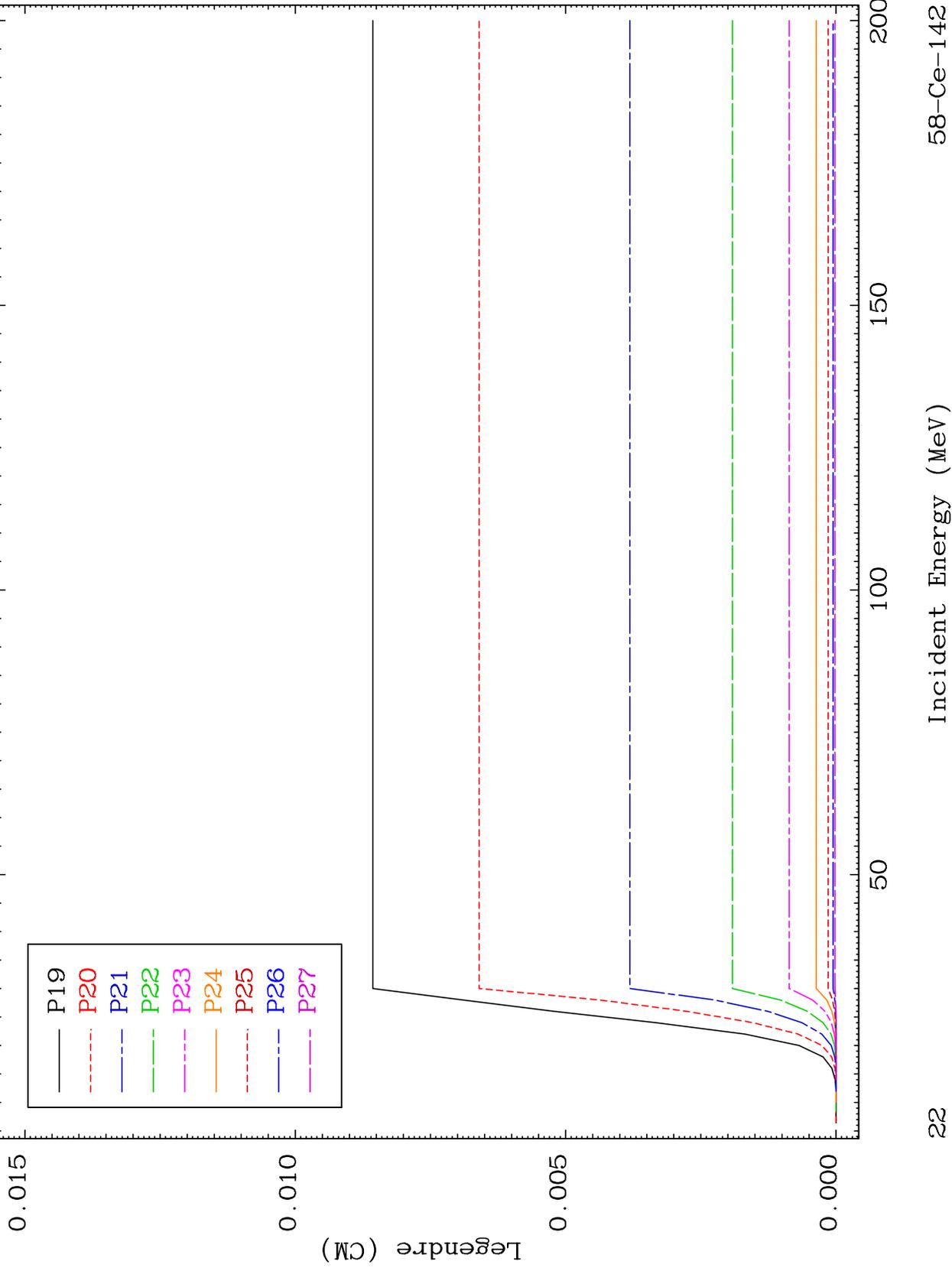




MAT 5843

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

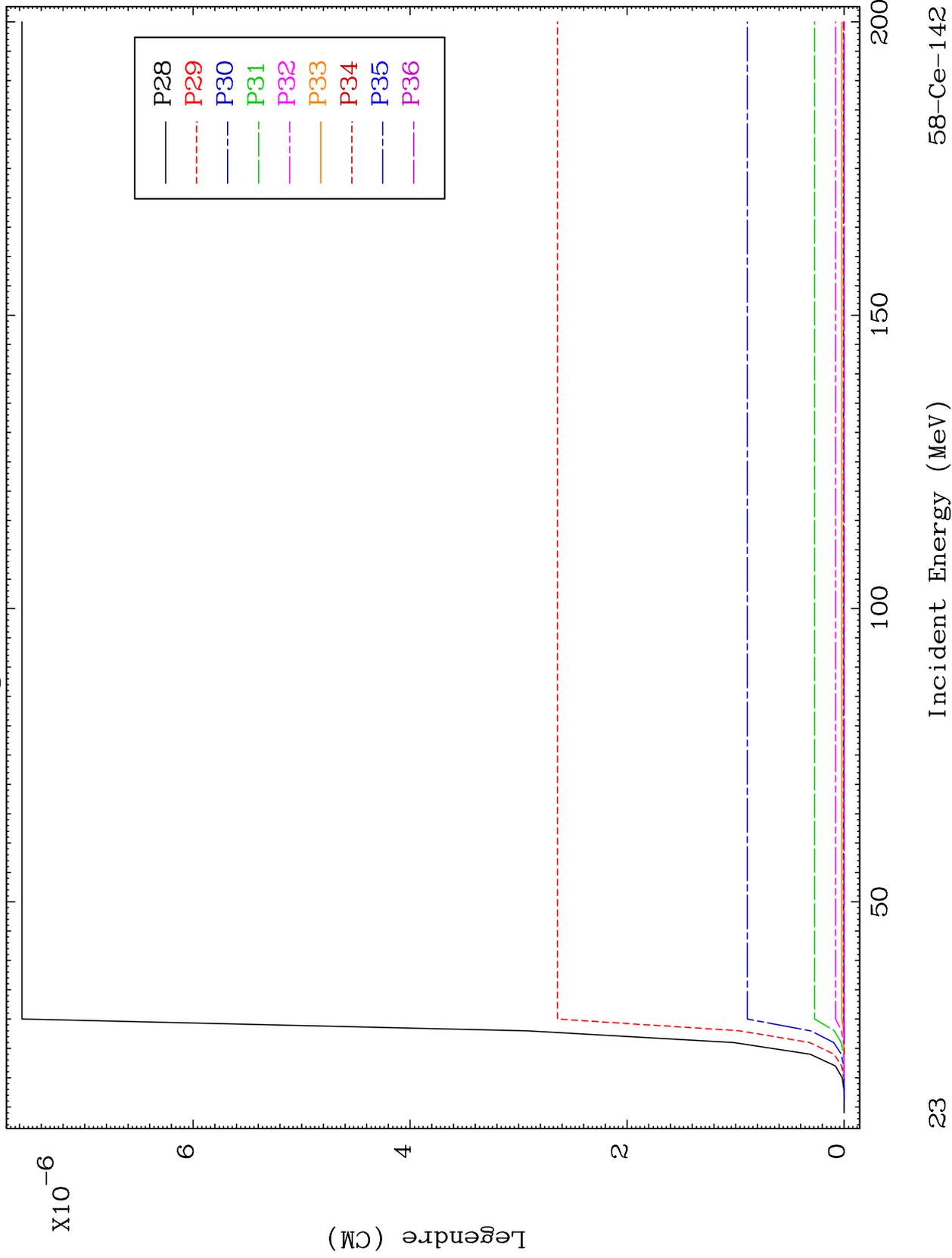
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MAT 5843

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

58-Ce-142



23

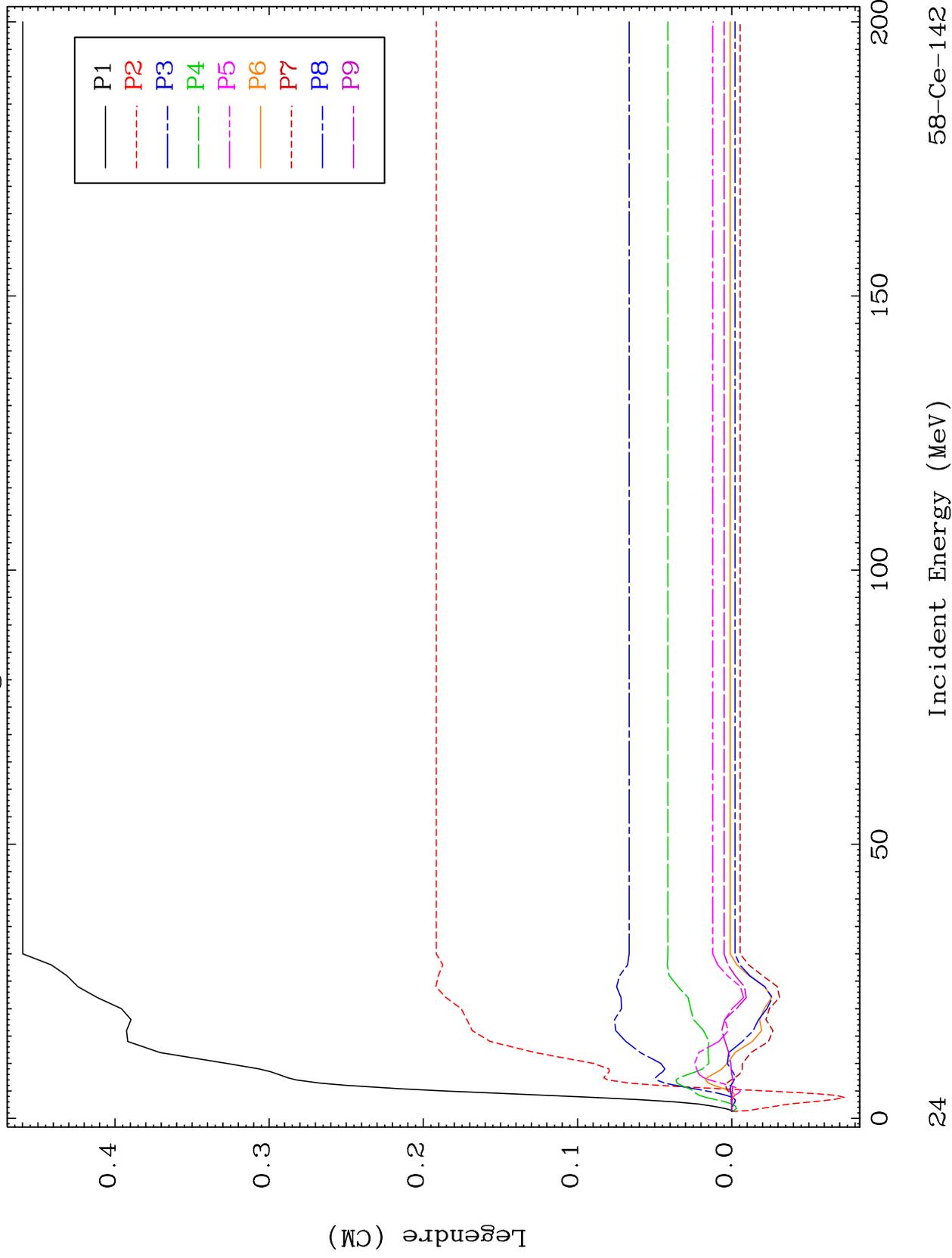
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

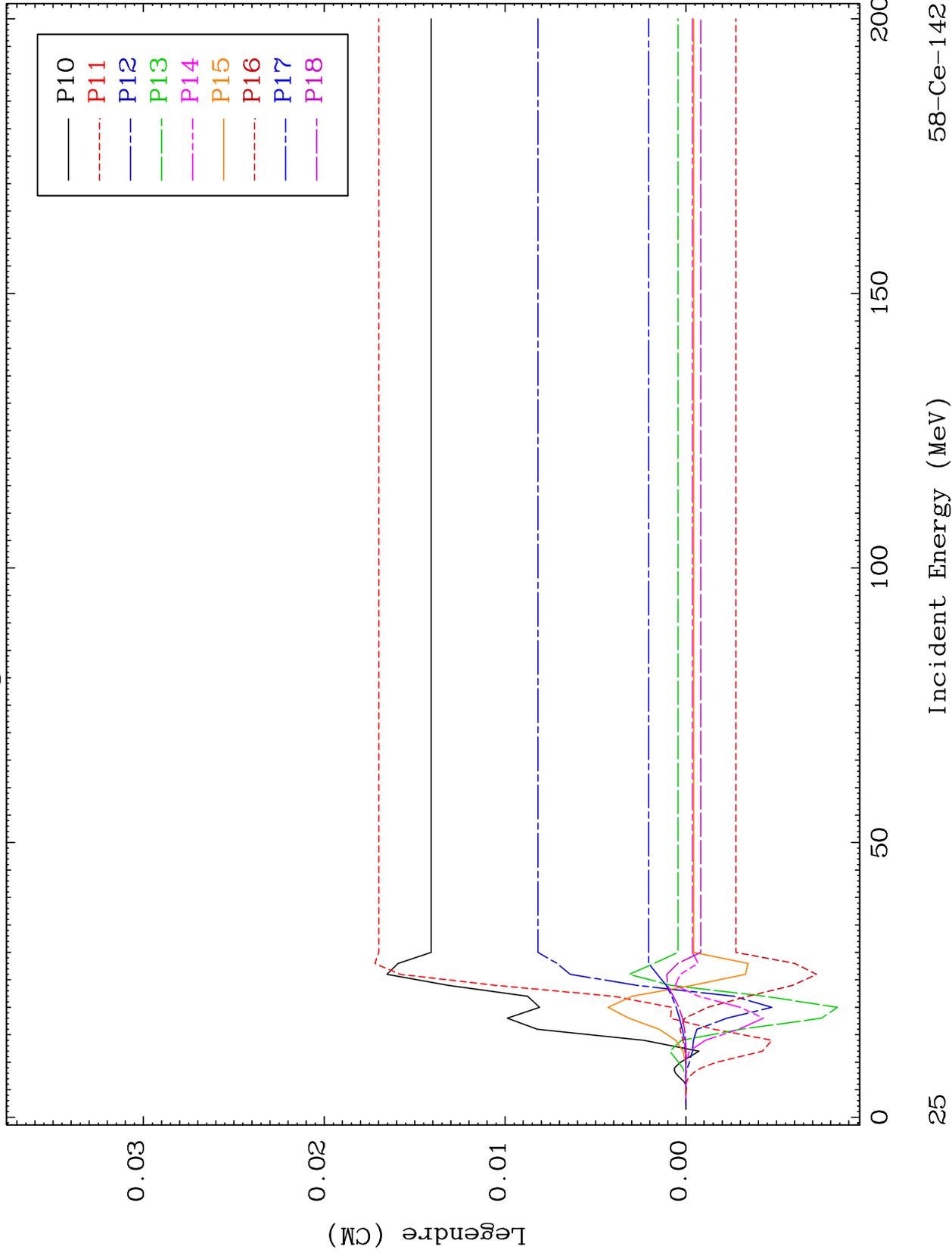
Incident Energy (MeV)

24

MAT 5843

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

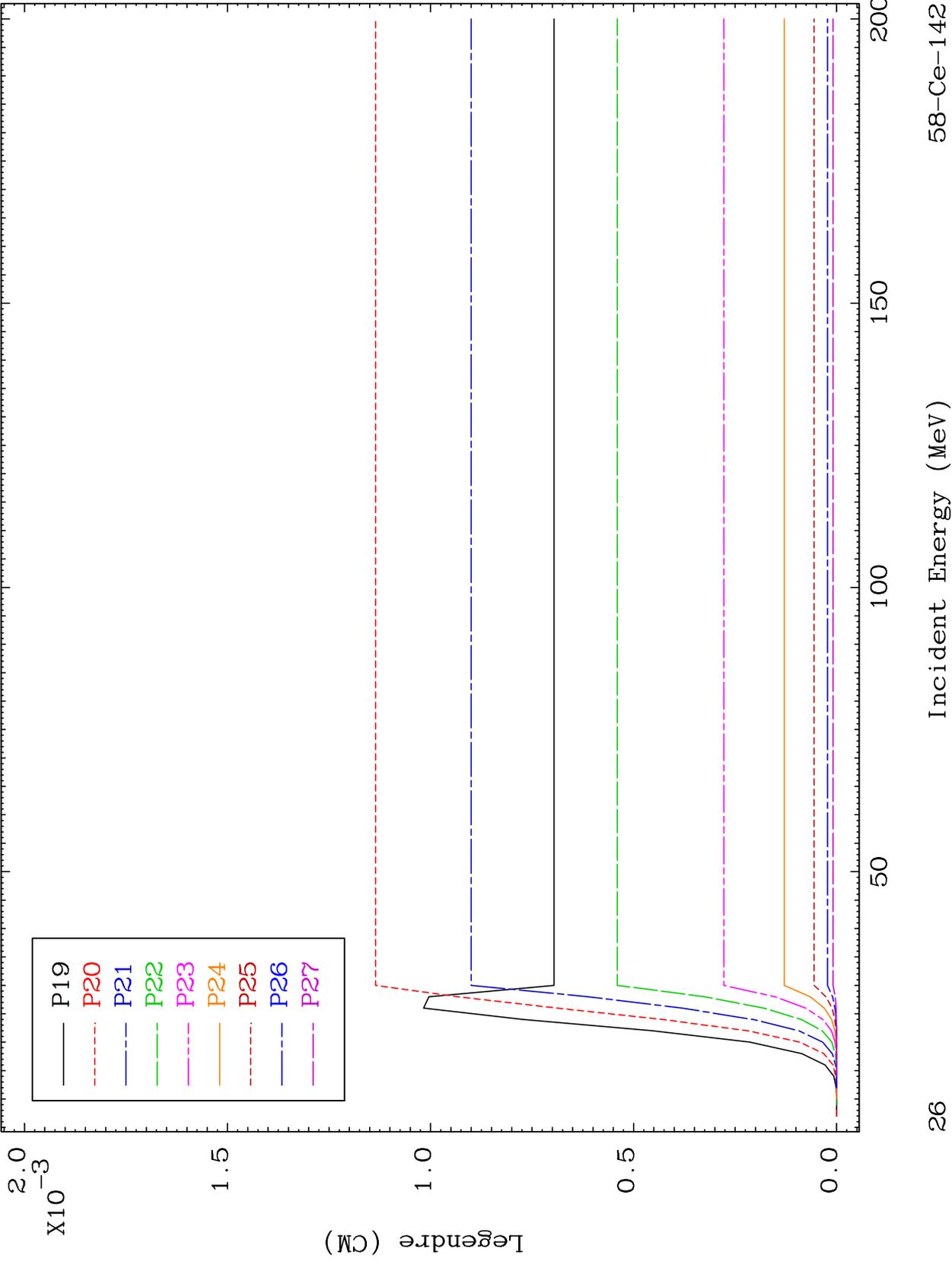
58-Ce-142



58-Ce-142

Incident Energy (MeV)

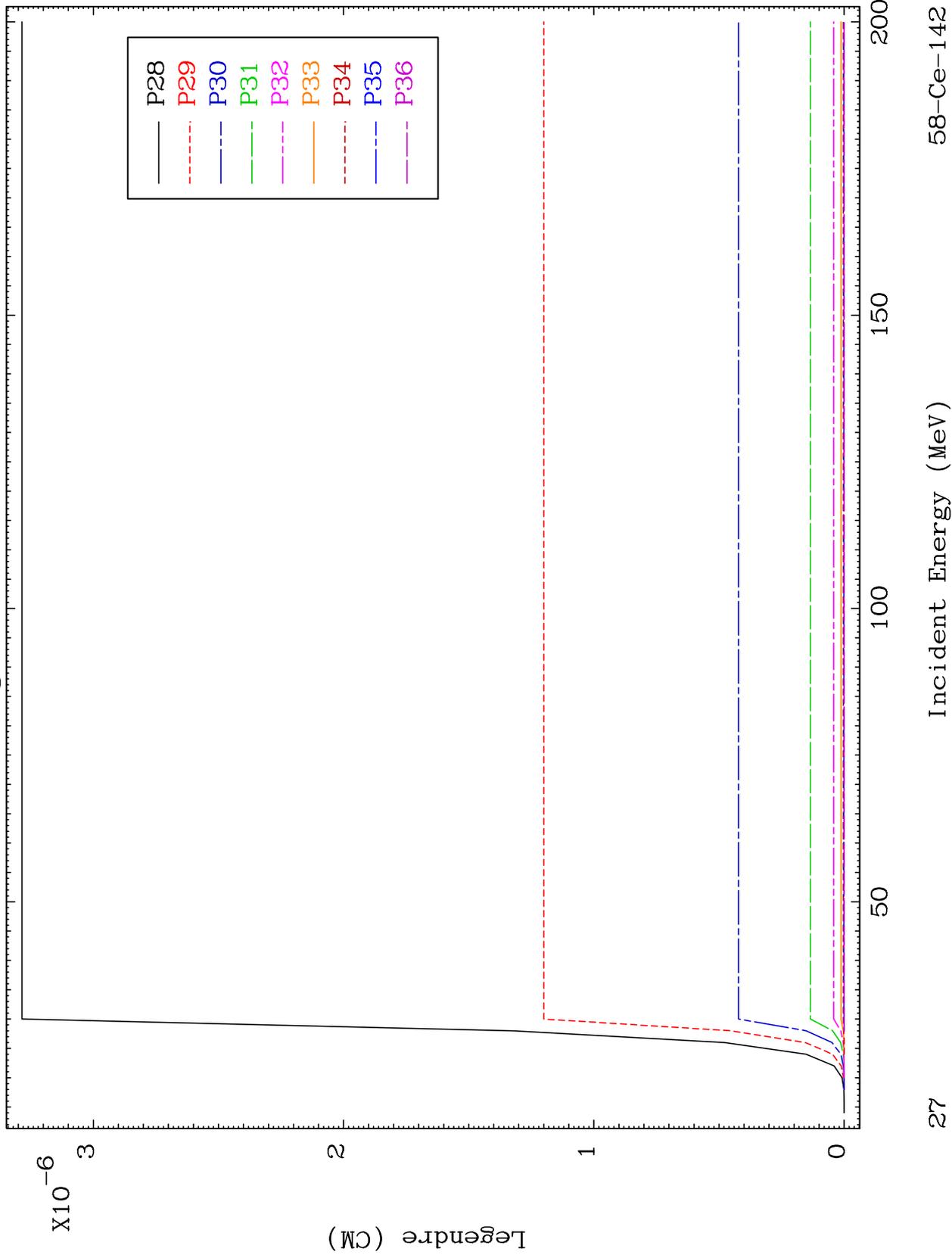
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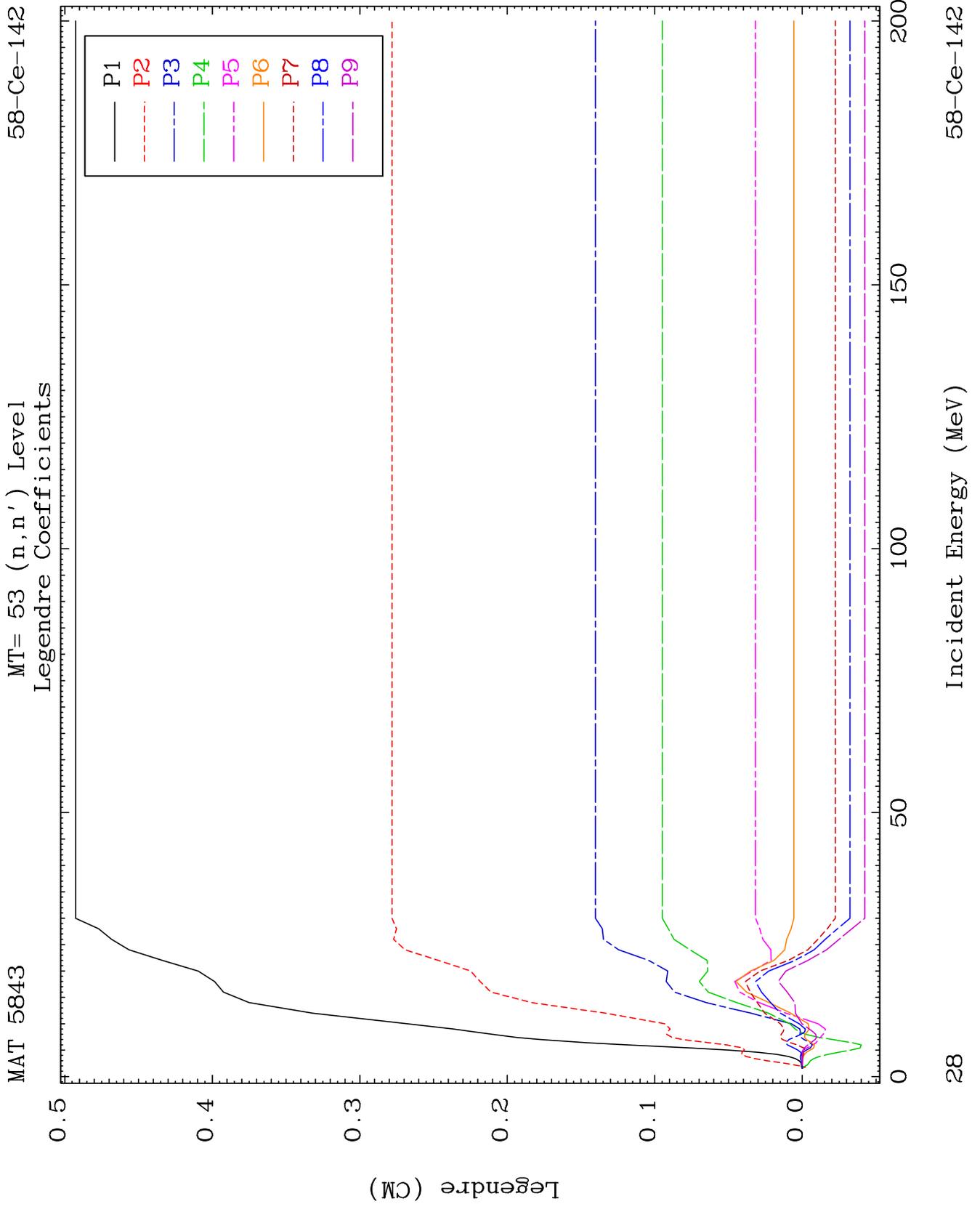


MAT 5843

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

58-Ce-142

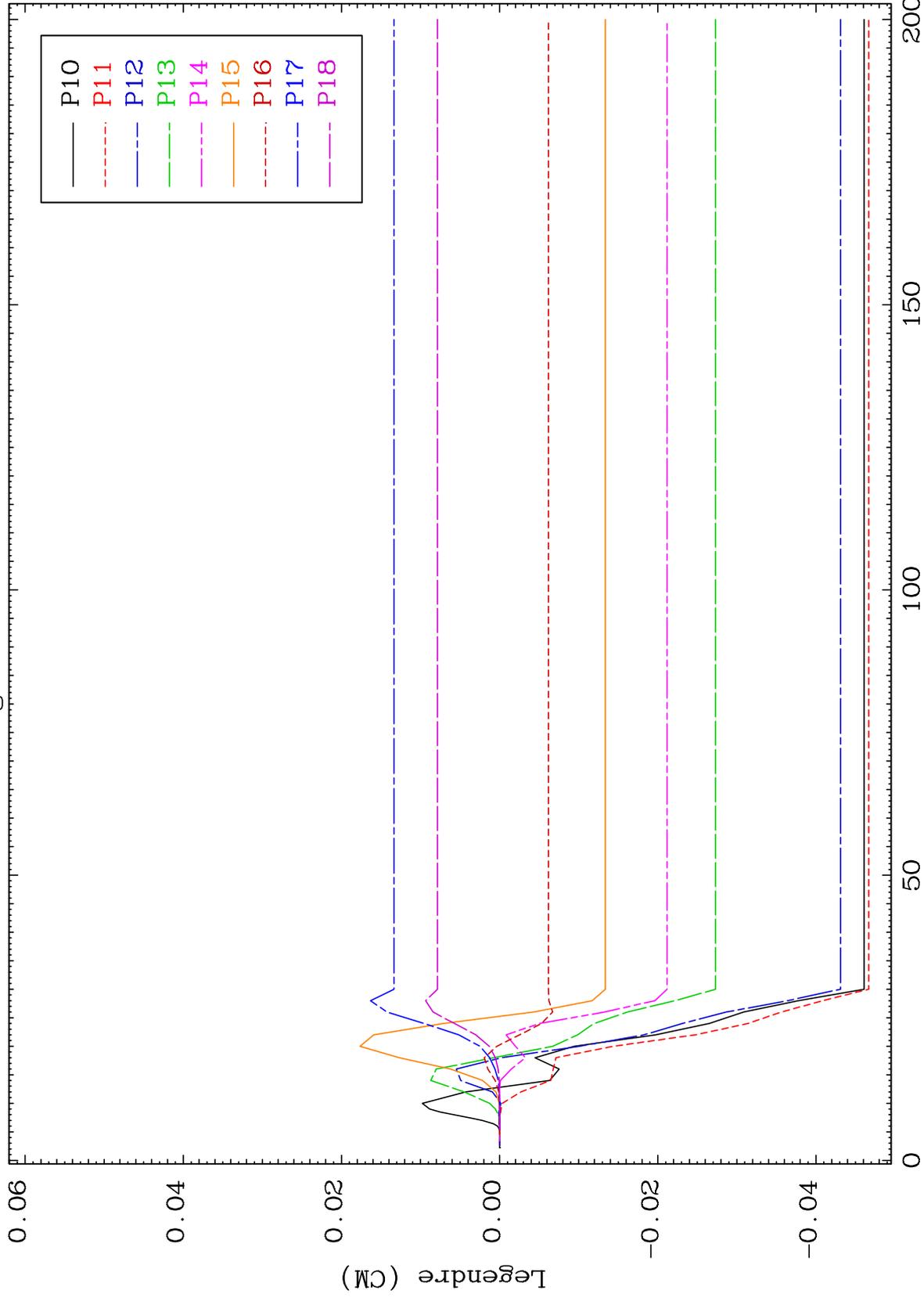




MAT 5843

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

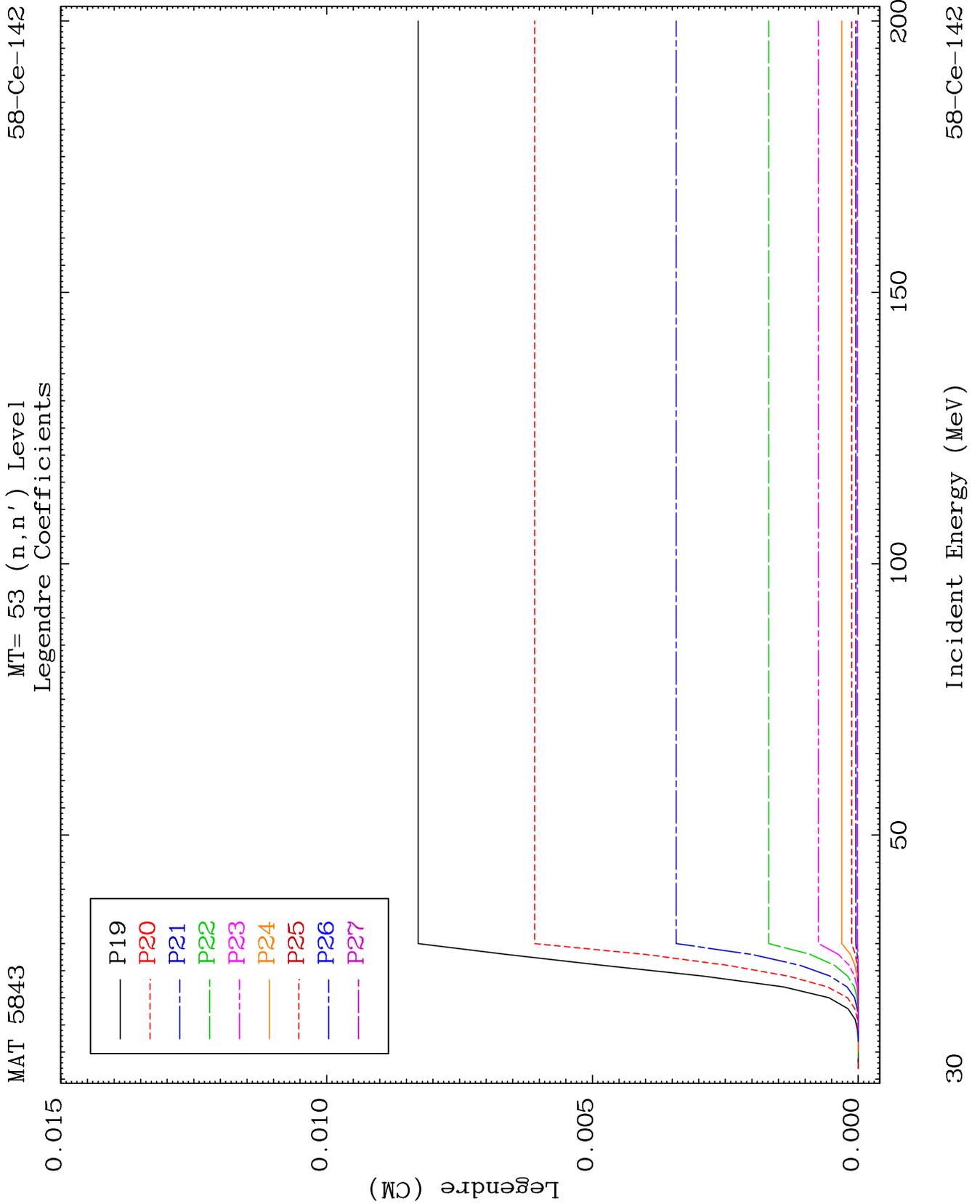
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29

Incident Energy (MeV)

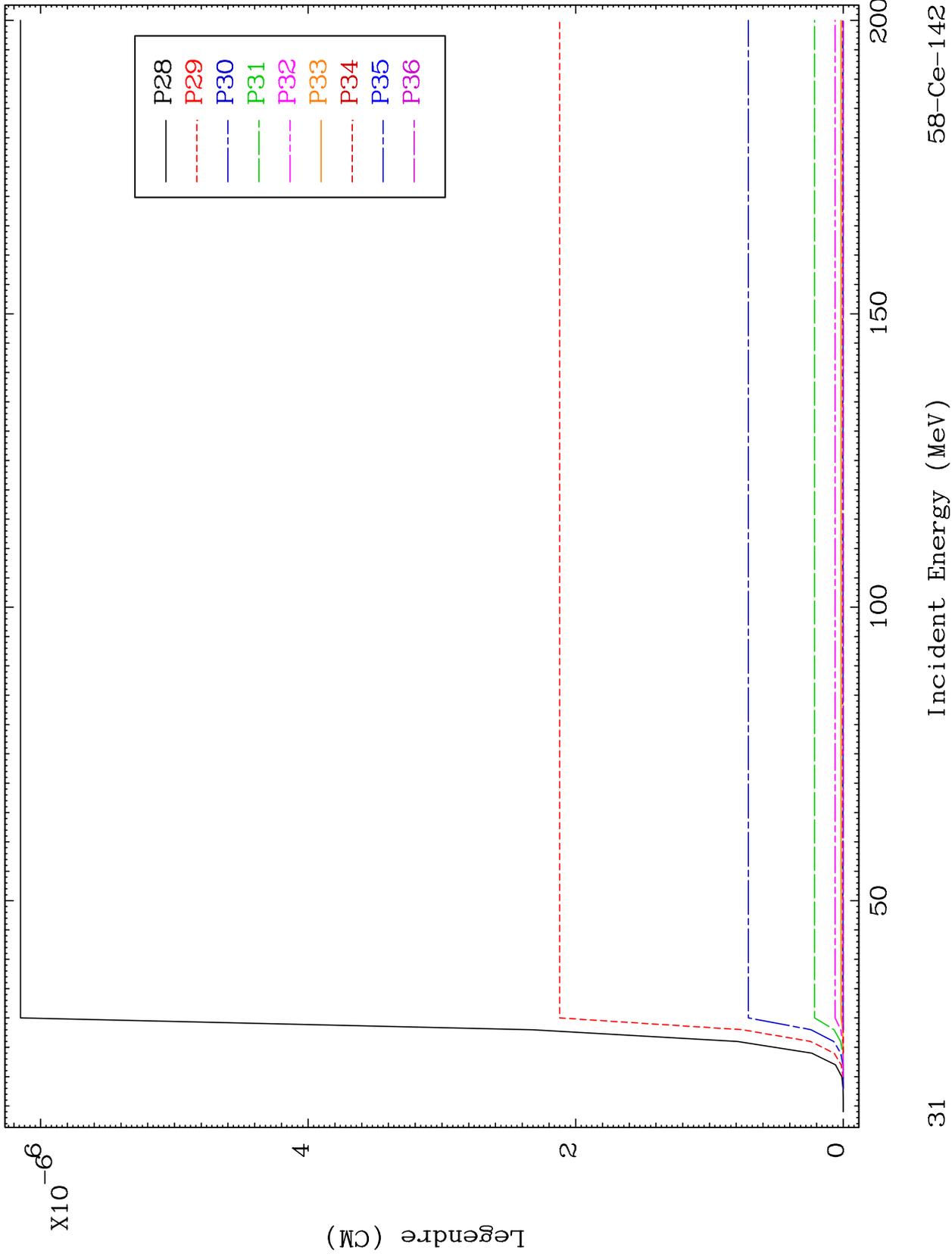
58-Ce-142



MAT 5843

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

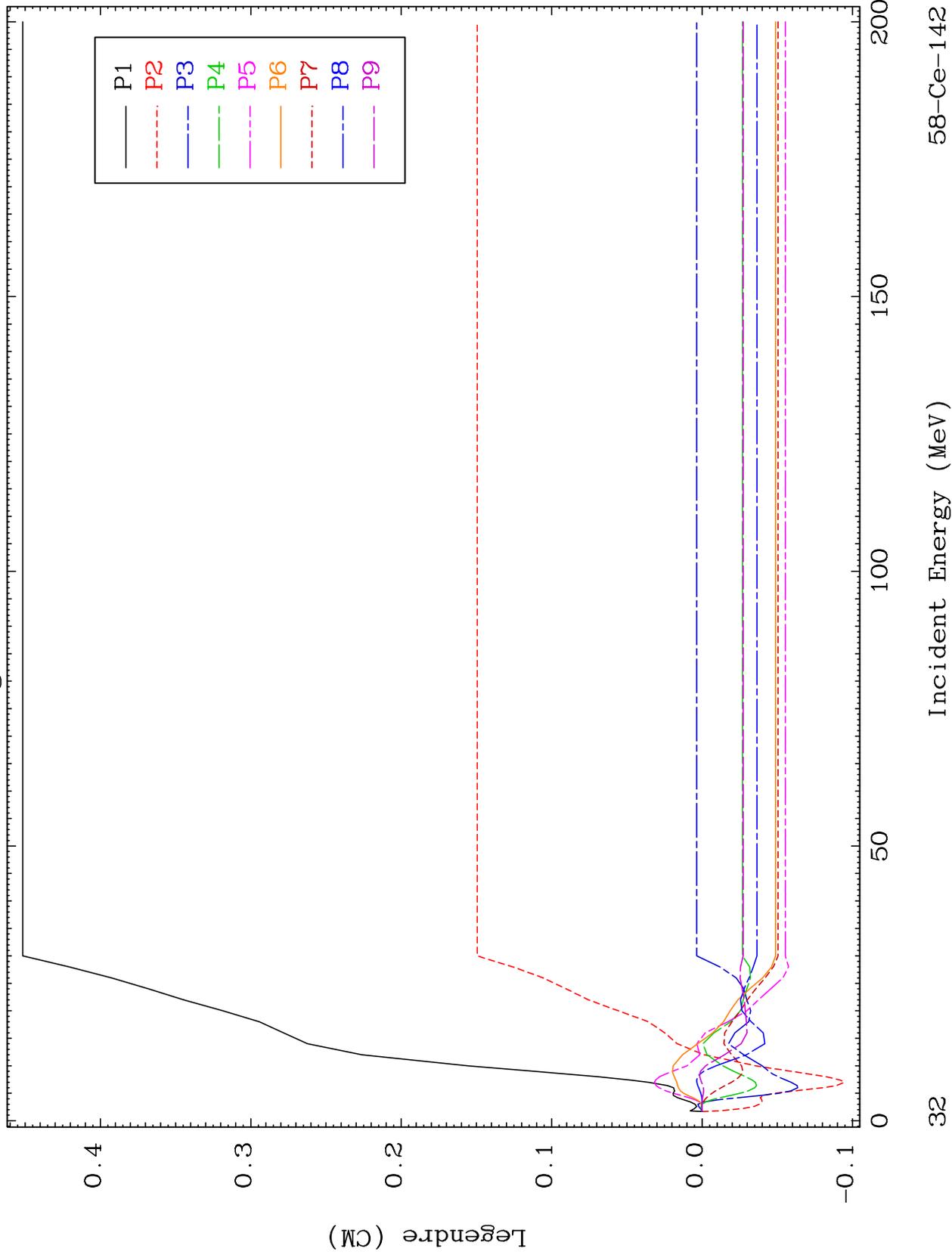
58-Ce-142



MAT 5843

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

58-Ce-142



58-Ce-142

Incident Energy (MeV)

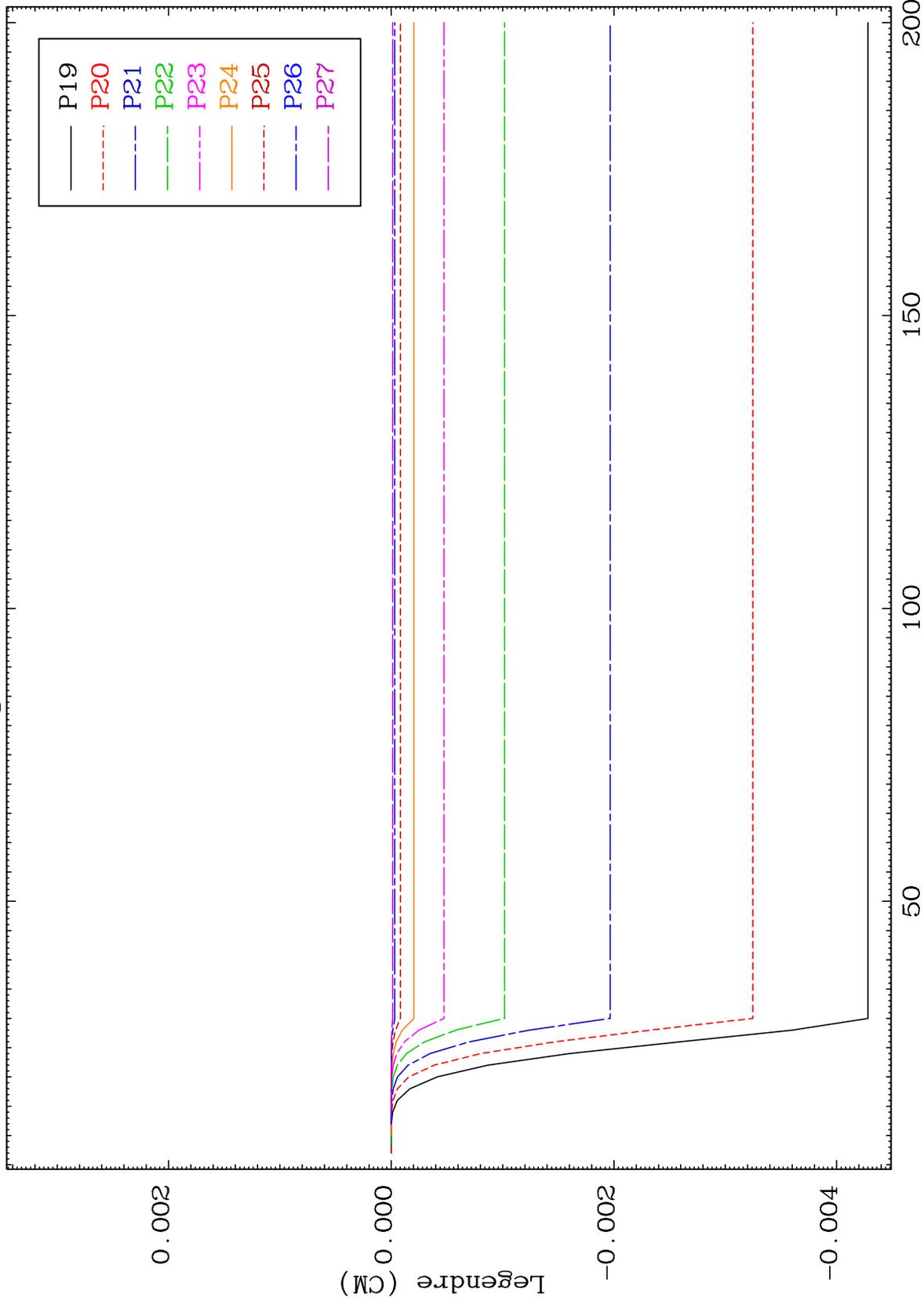
32



MAT 5843

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

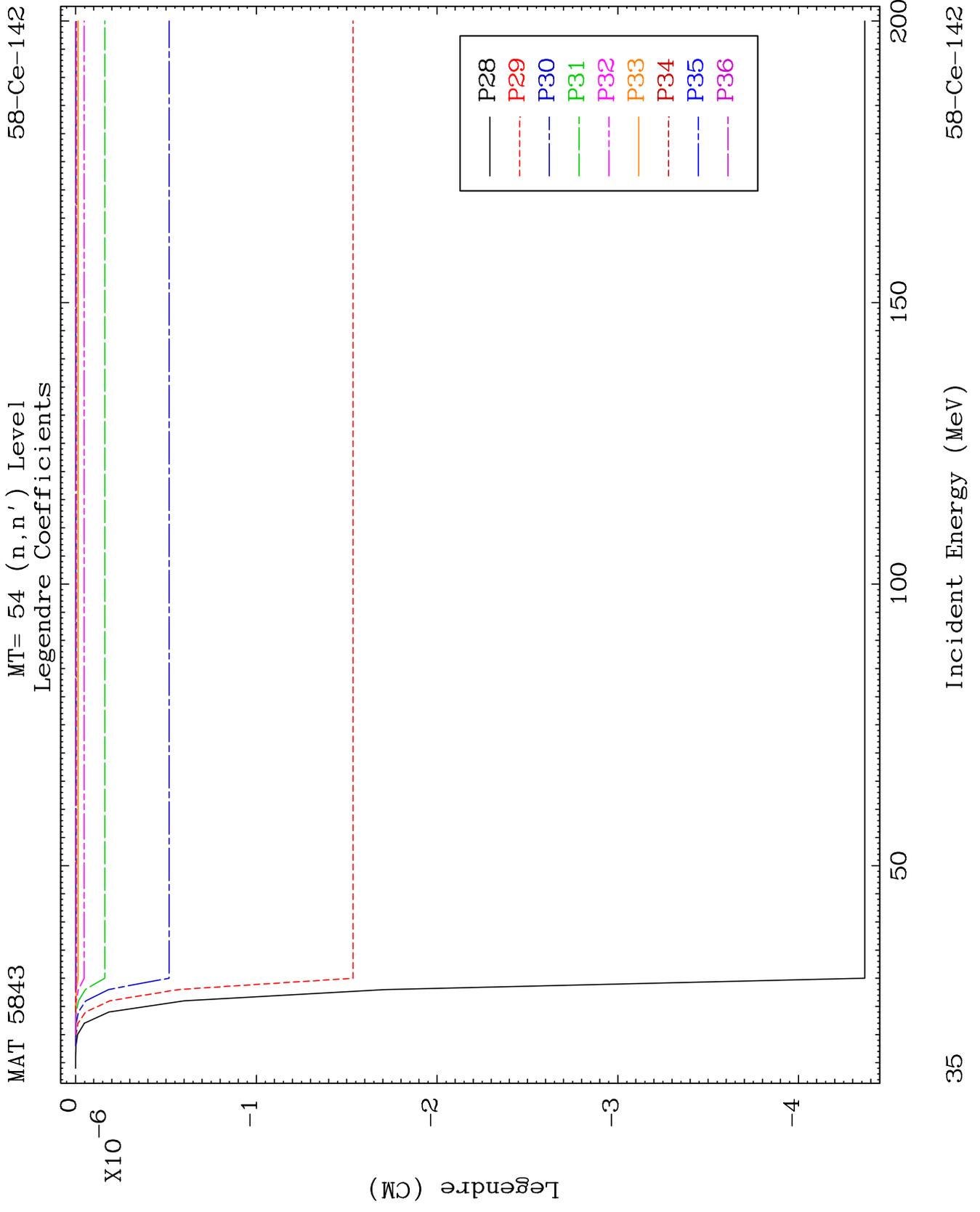
58-Ce-142



34

Incident Energy (MeV)

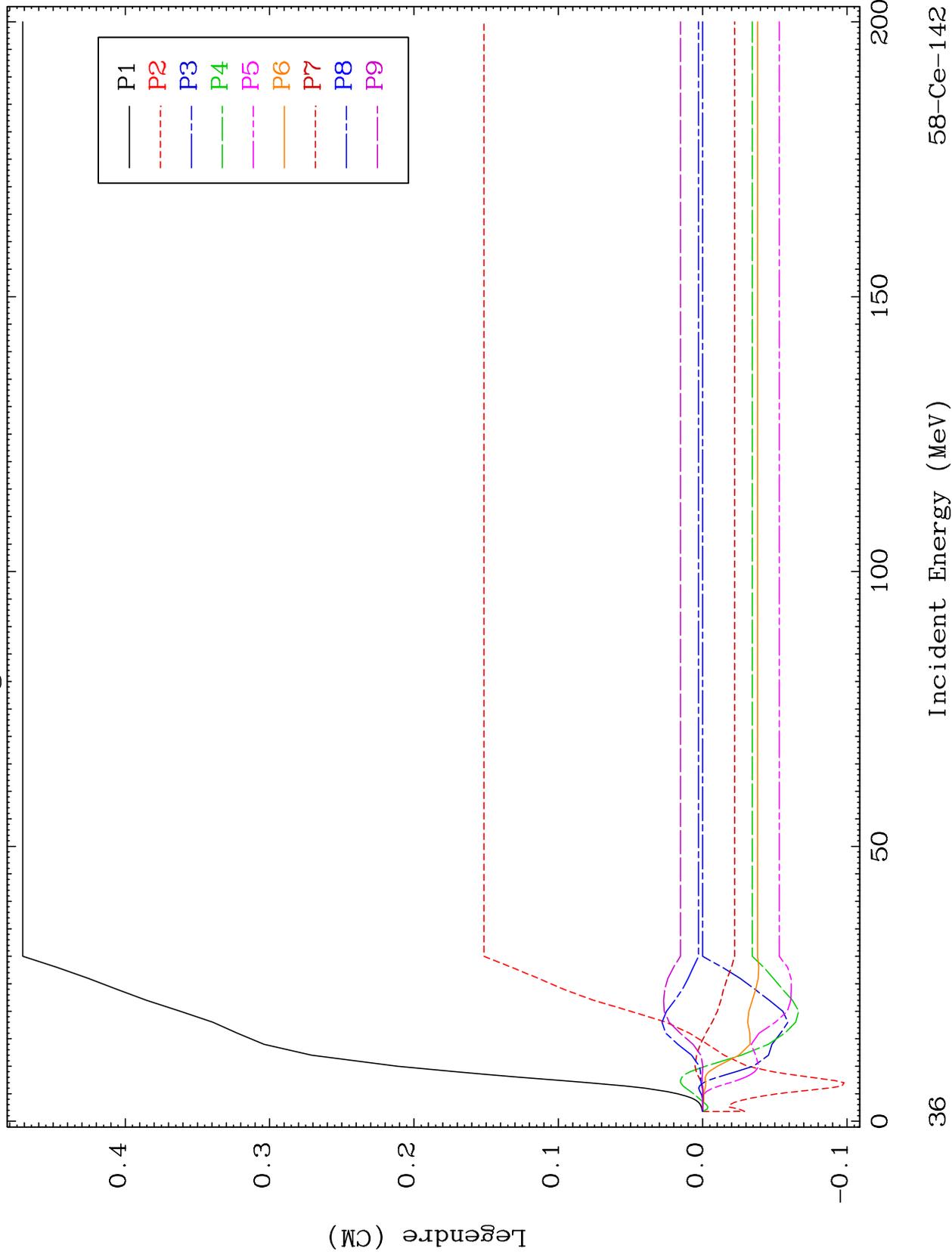
58-Ce-142



MAT 5843

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

58-Ce-142



58-Ce-142

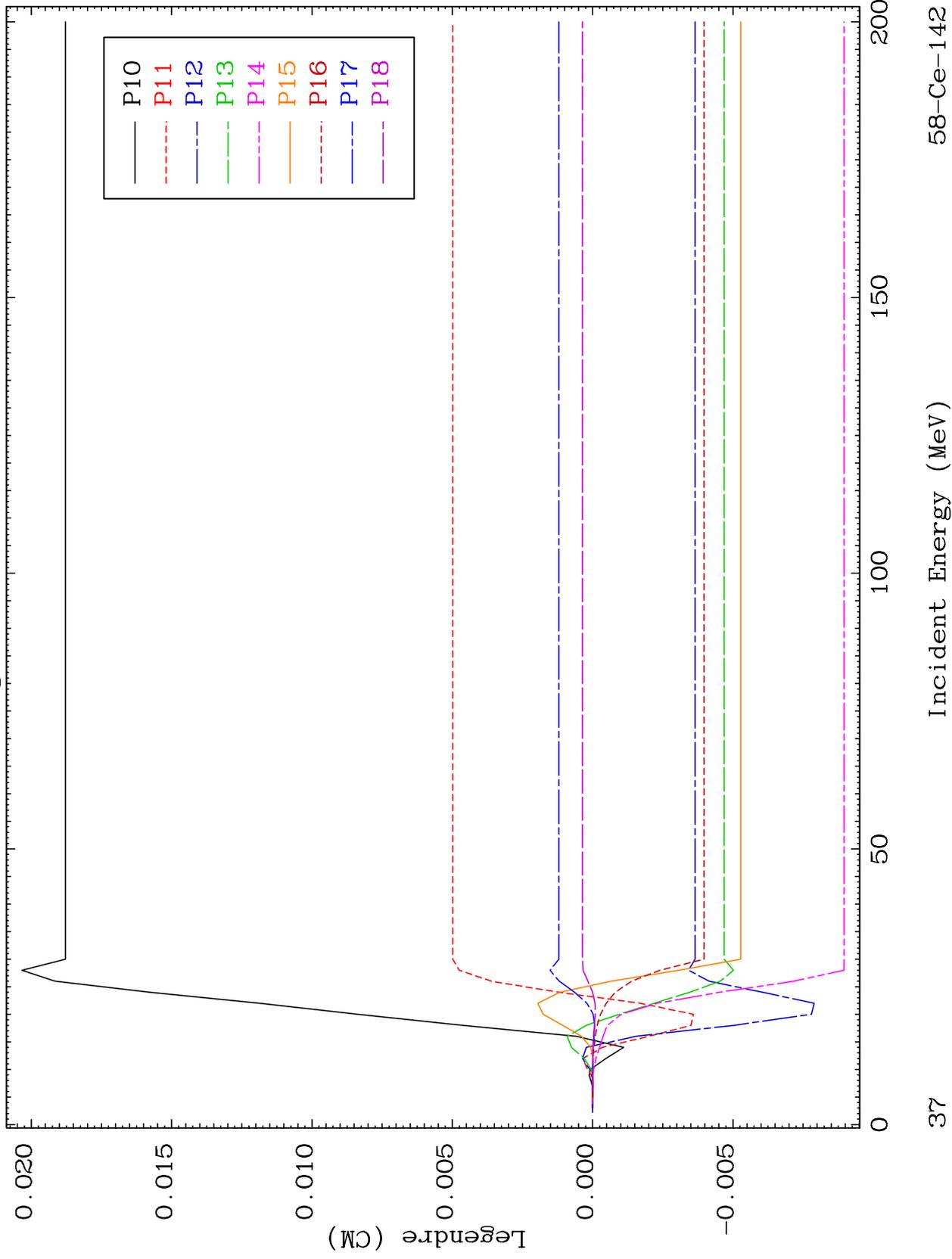
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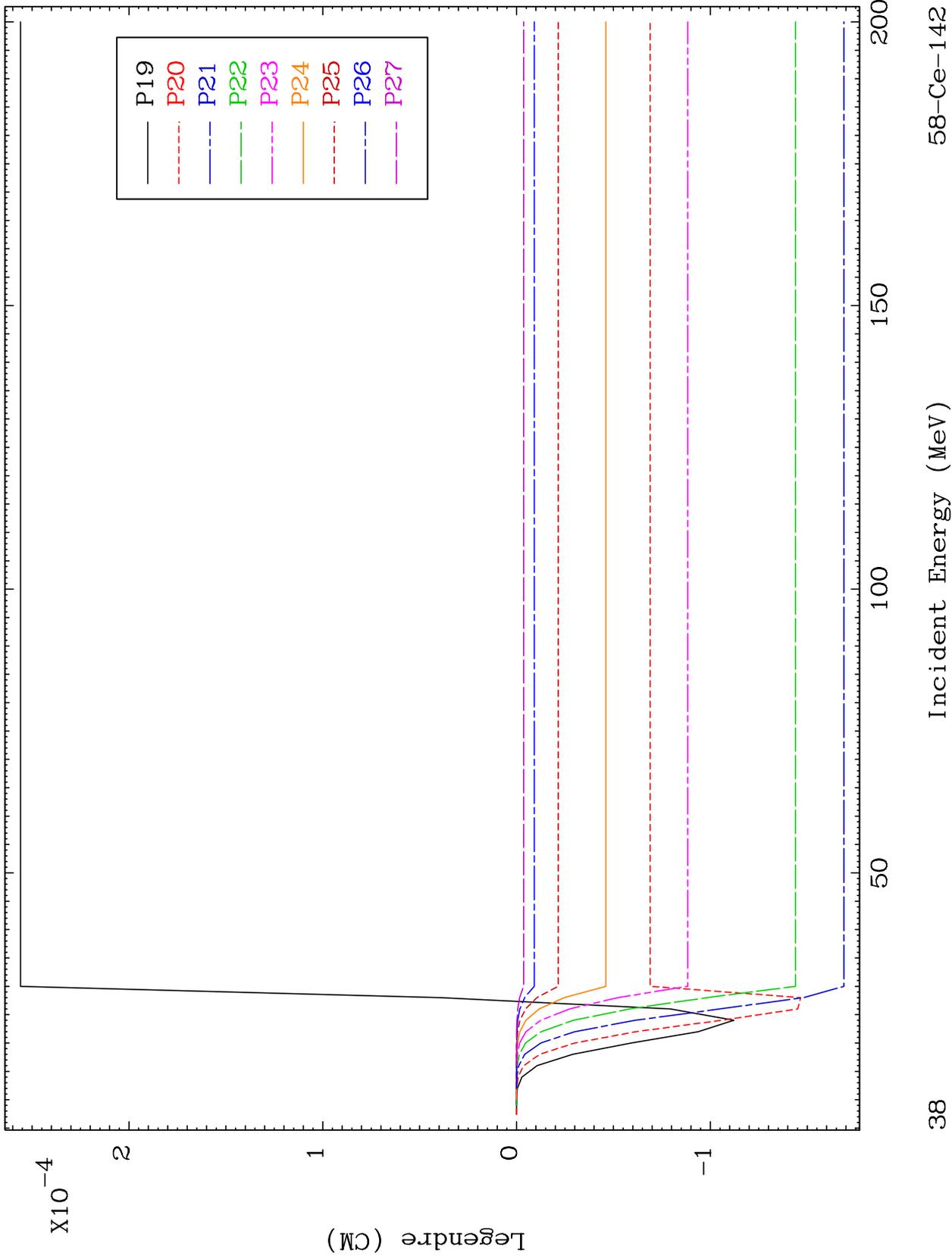
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MAT 5843

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

58-Ce-142

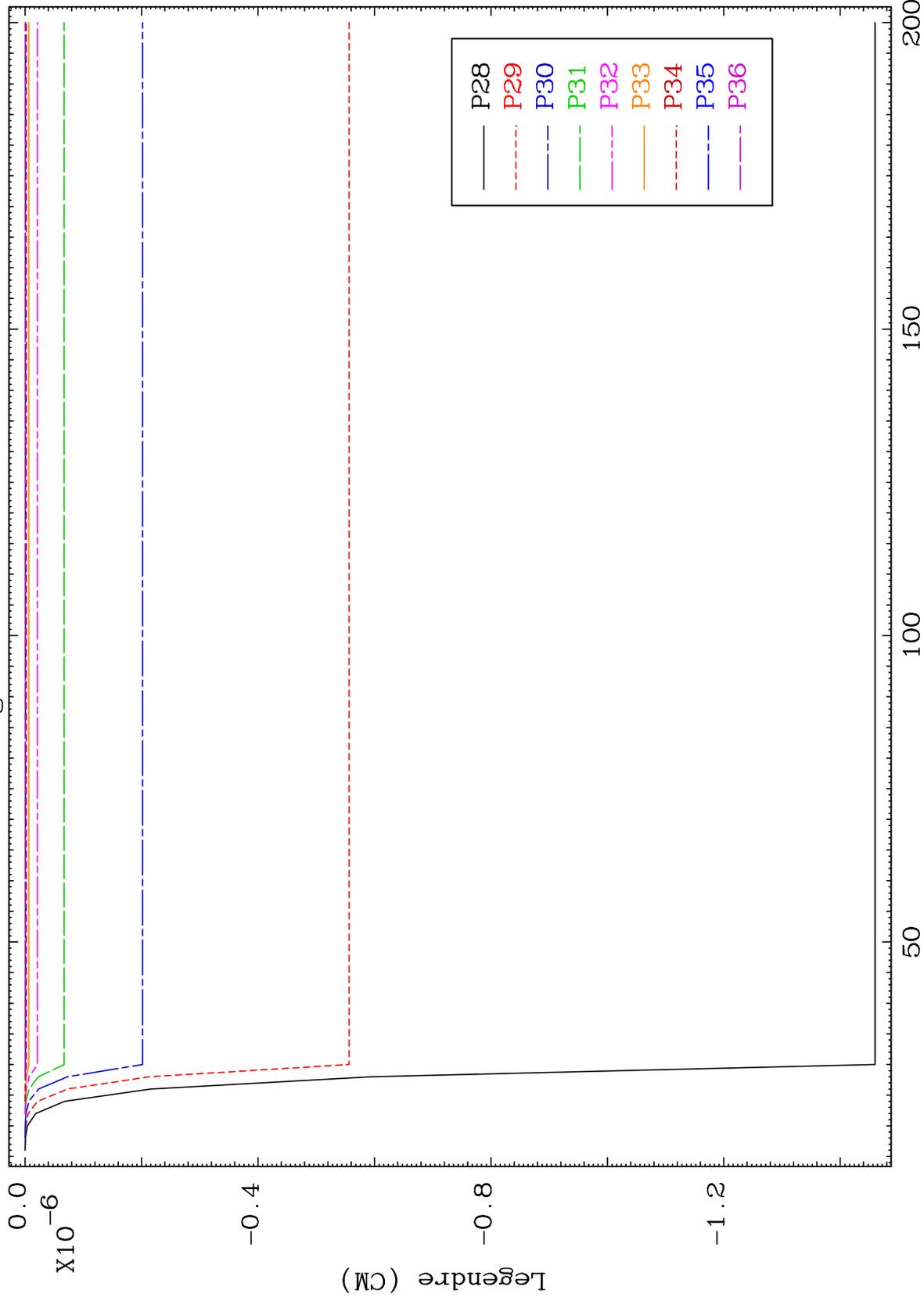




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MT= 55 (n,n') Level  
Legendre Coefficients

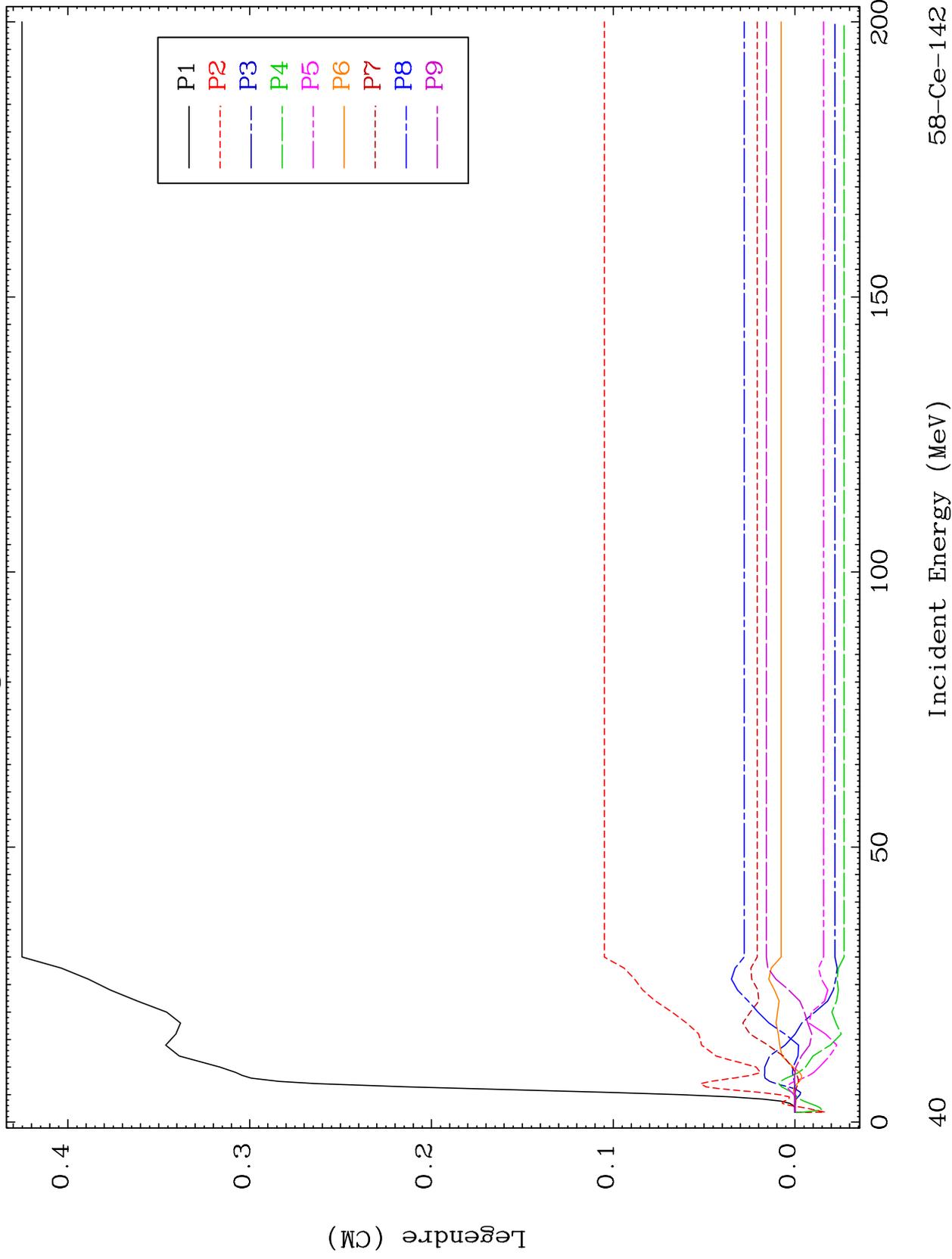
58-Ce-142



MAT 5843

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

58-Ce-142



58-Ce-142

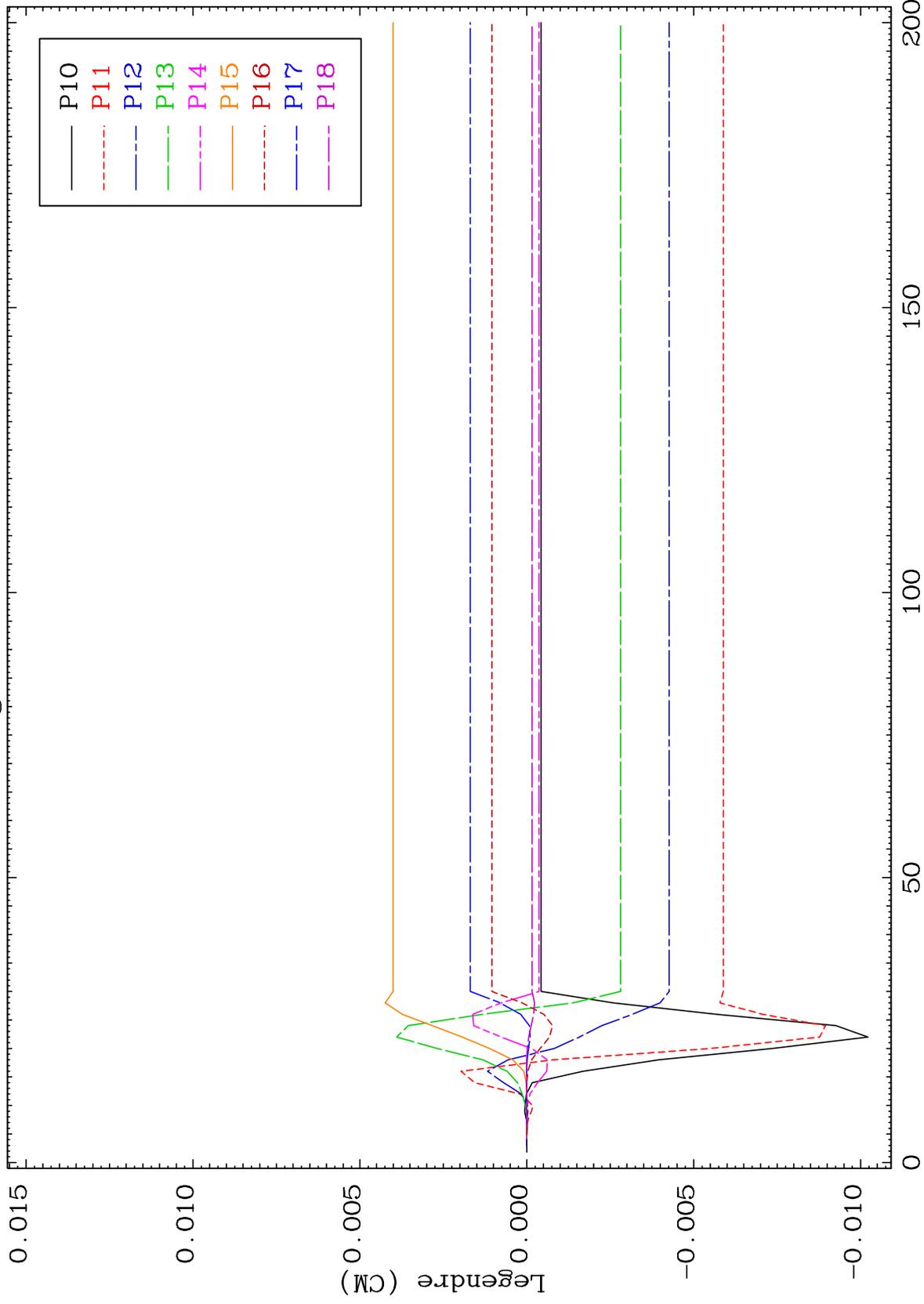
Incident Energy (MeV)

40

MAT 5843

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

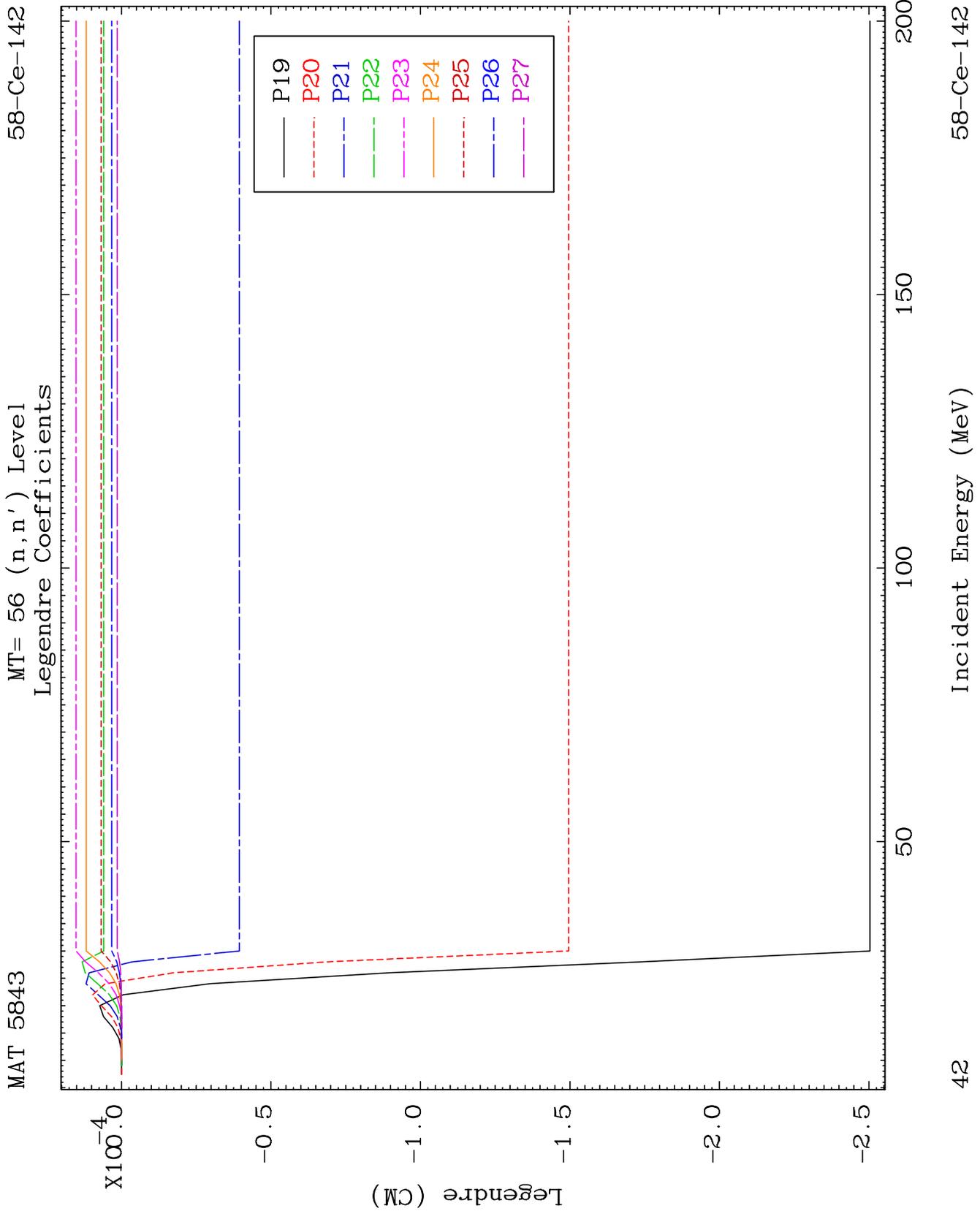
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41

Incident Energy (MeV)

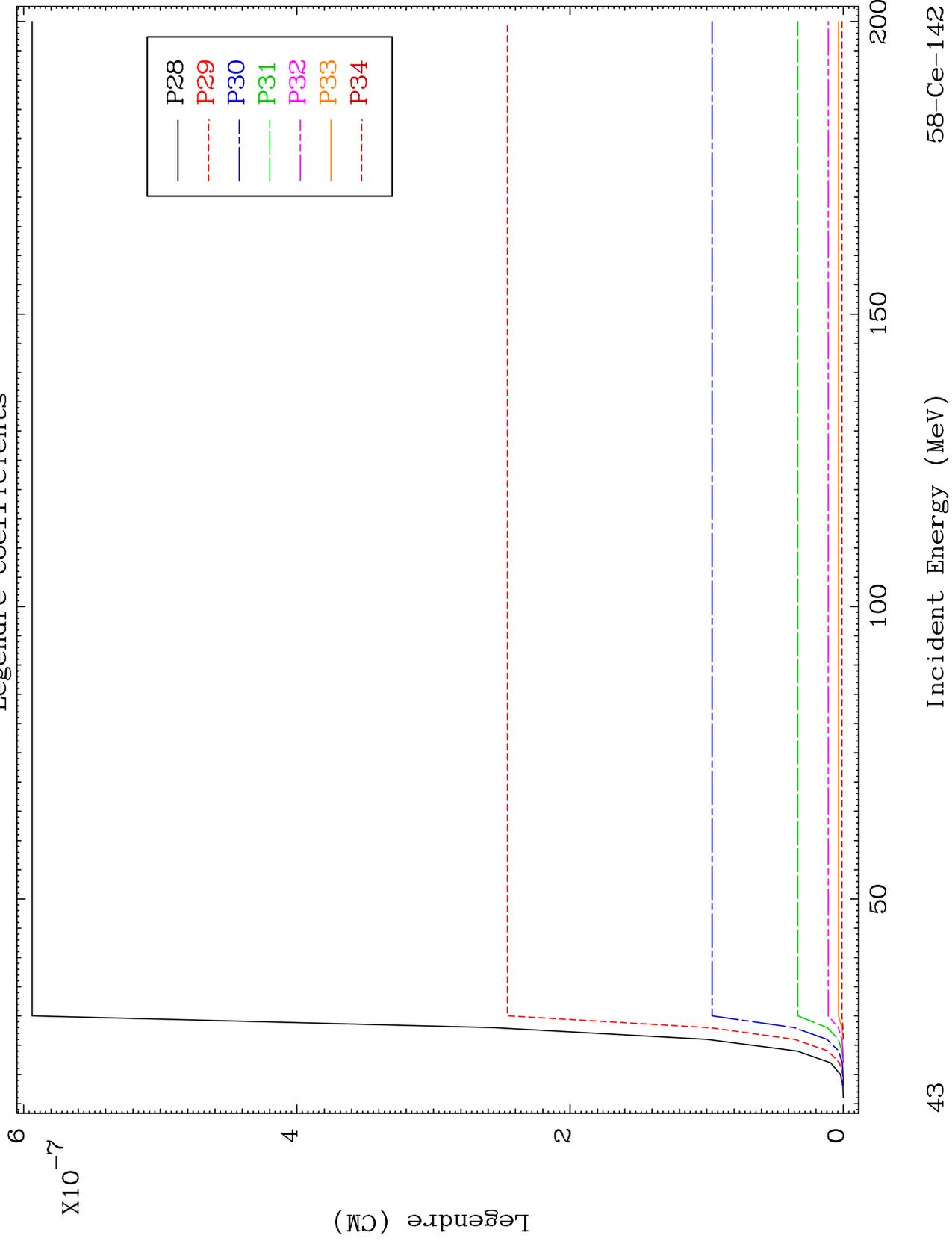
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MAT 5843

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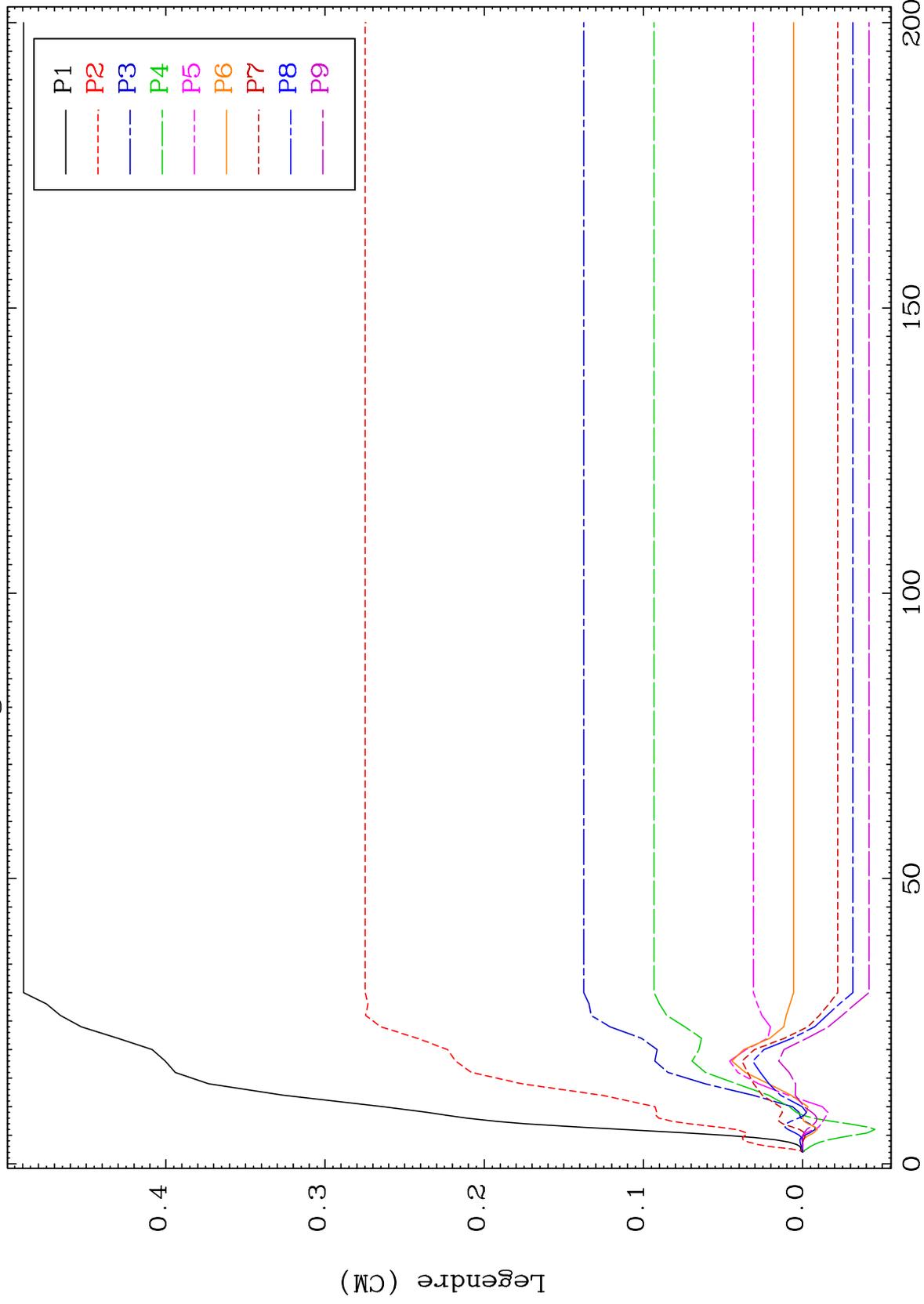
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MAT 5843

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

58-Ce-142



44

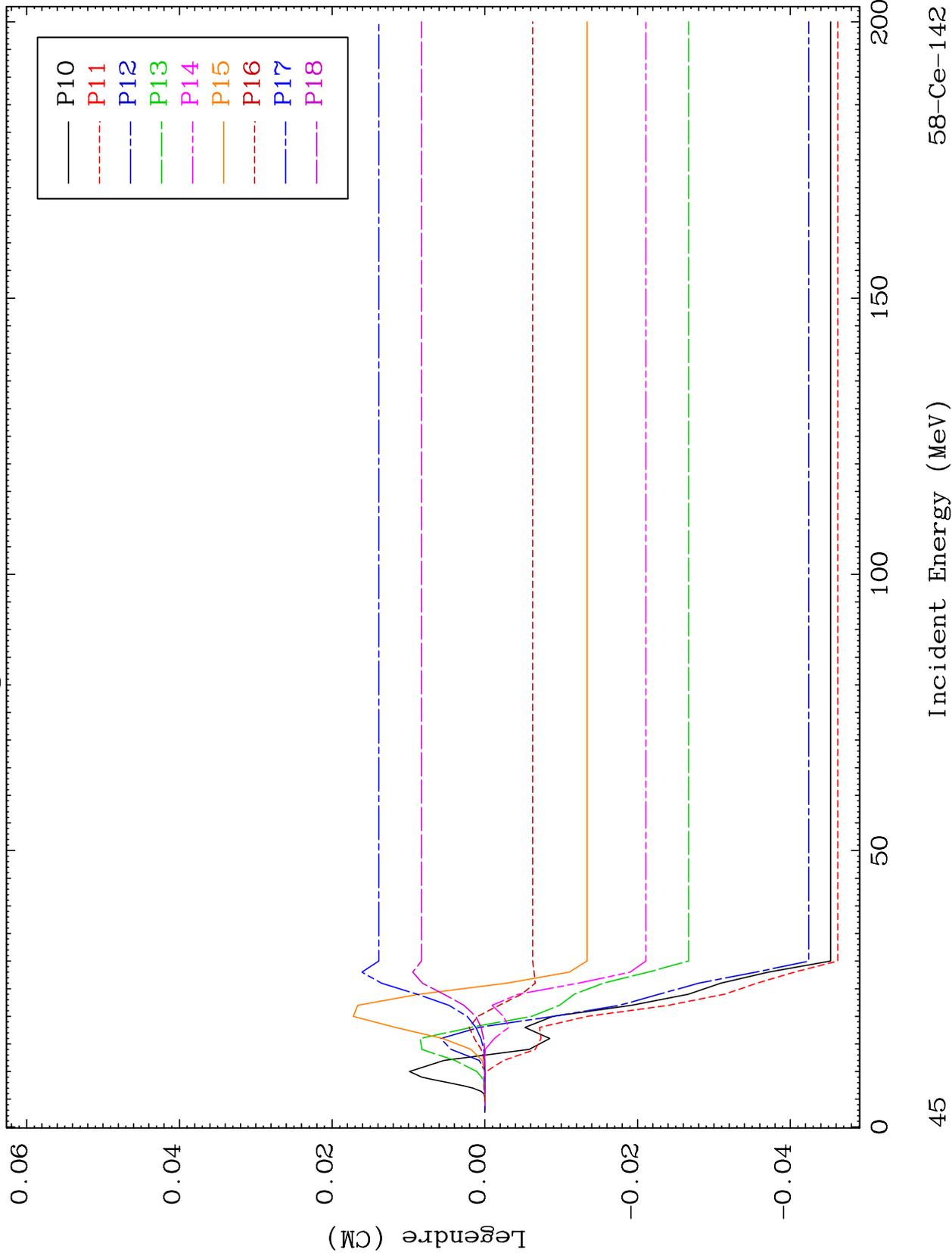
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

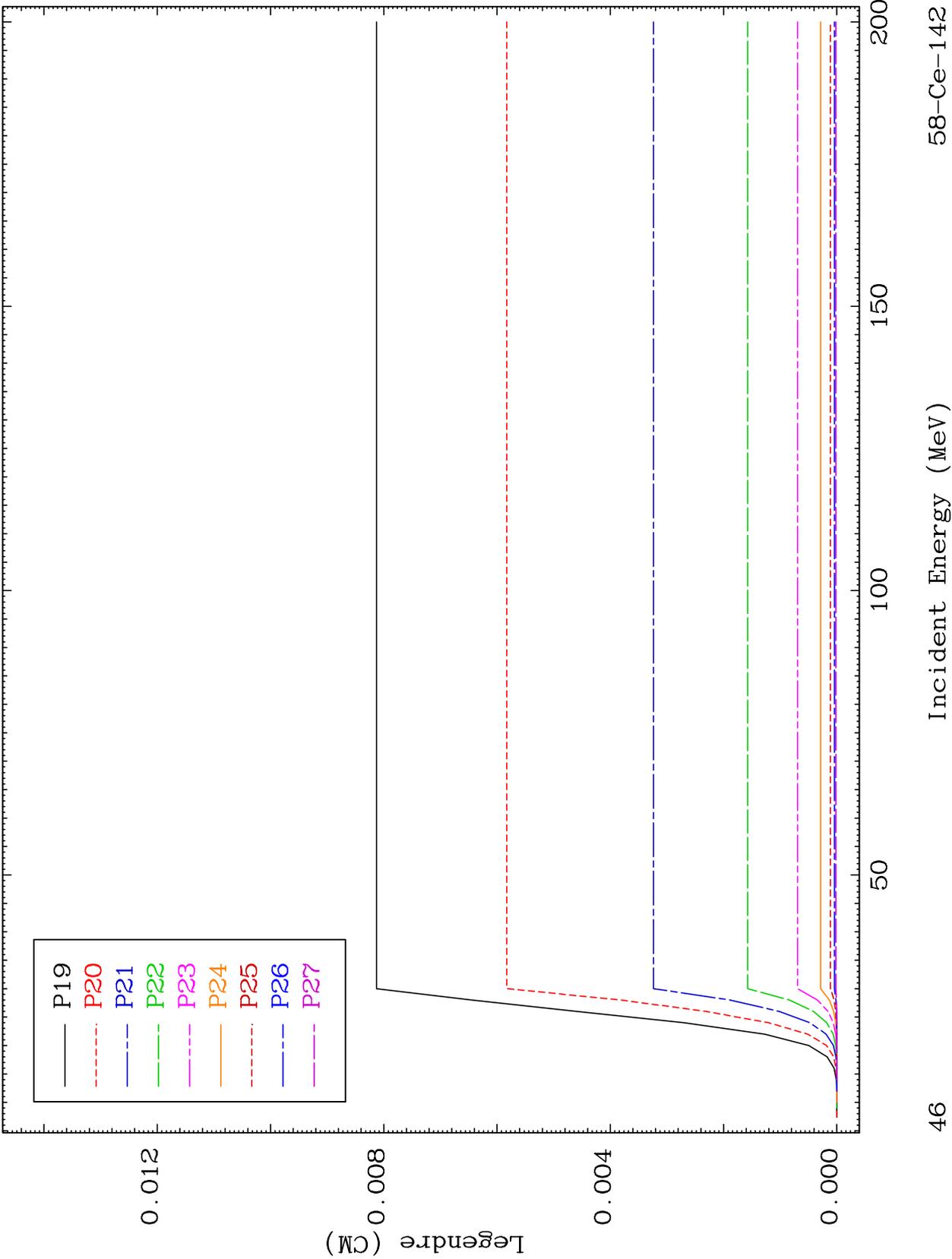
Incident Energy (MeV)

45

MAT 5843

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

58-Ce-142



46

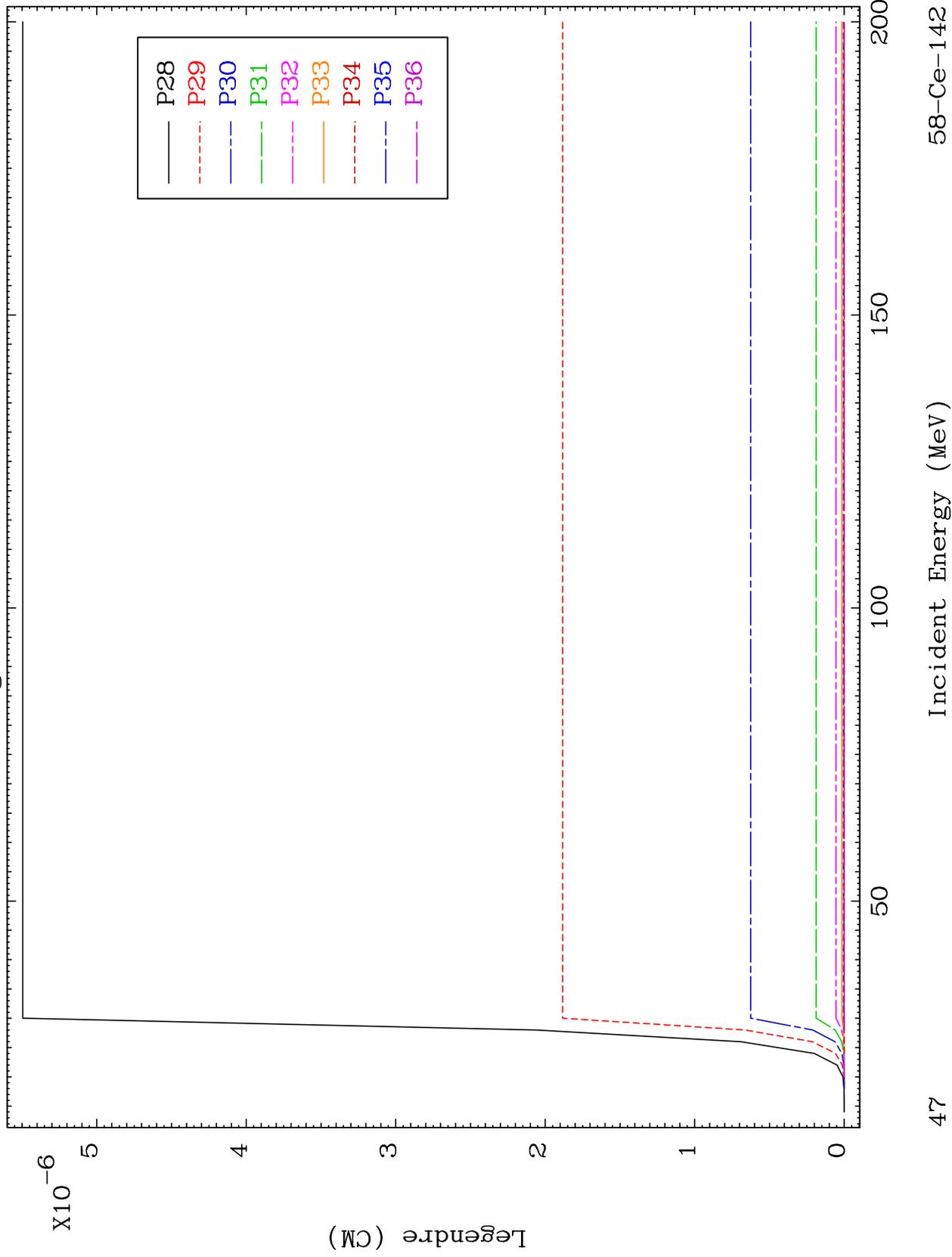
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

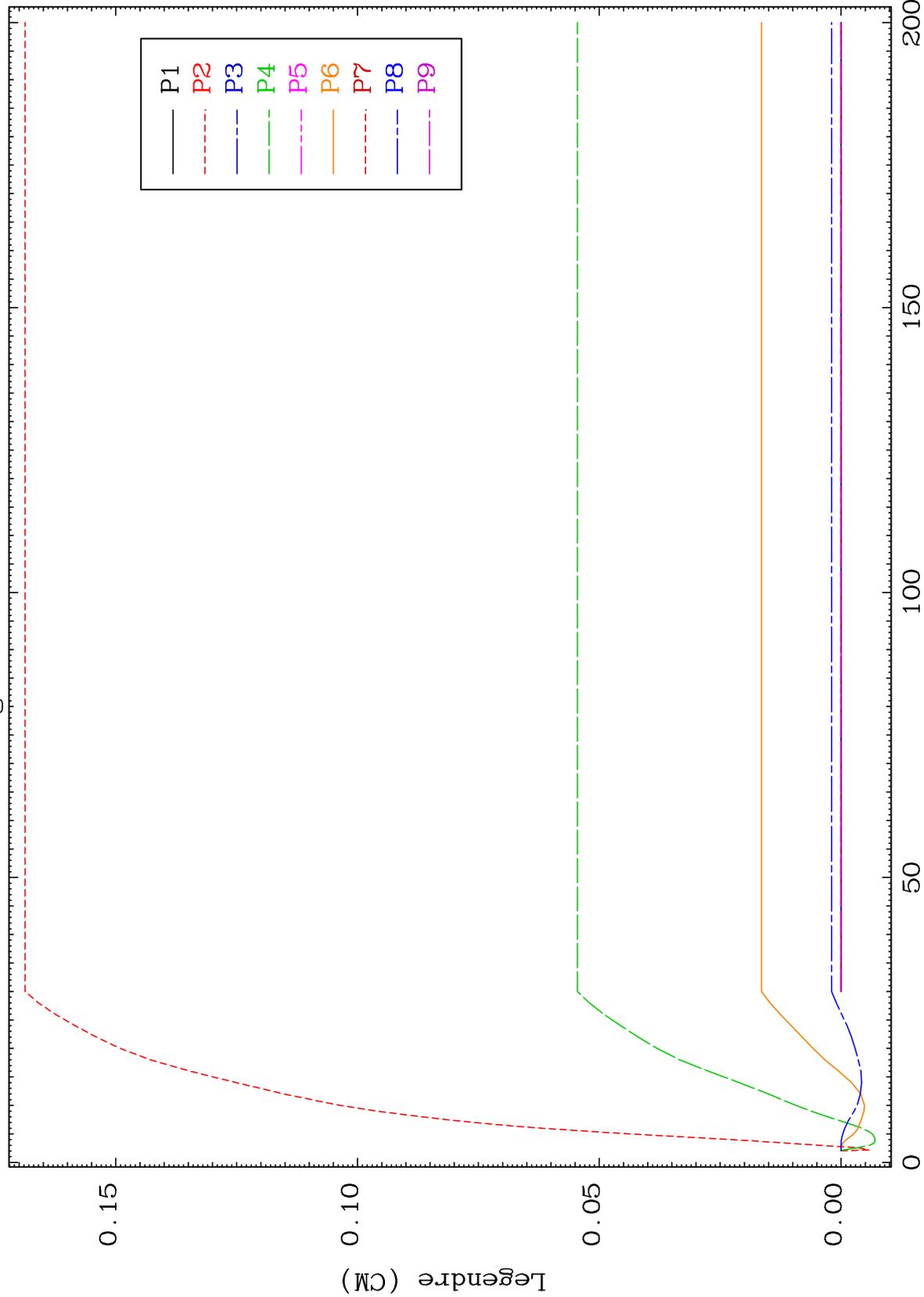
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MAT 5843

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

58-Ce-142



48

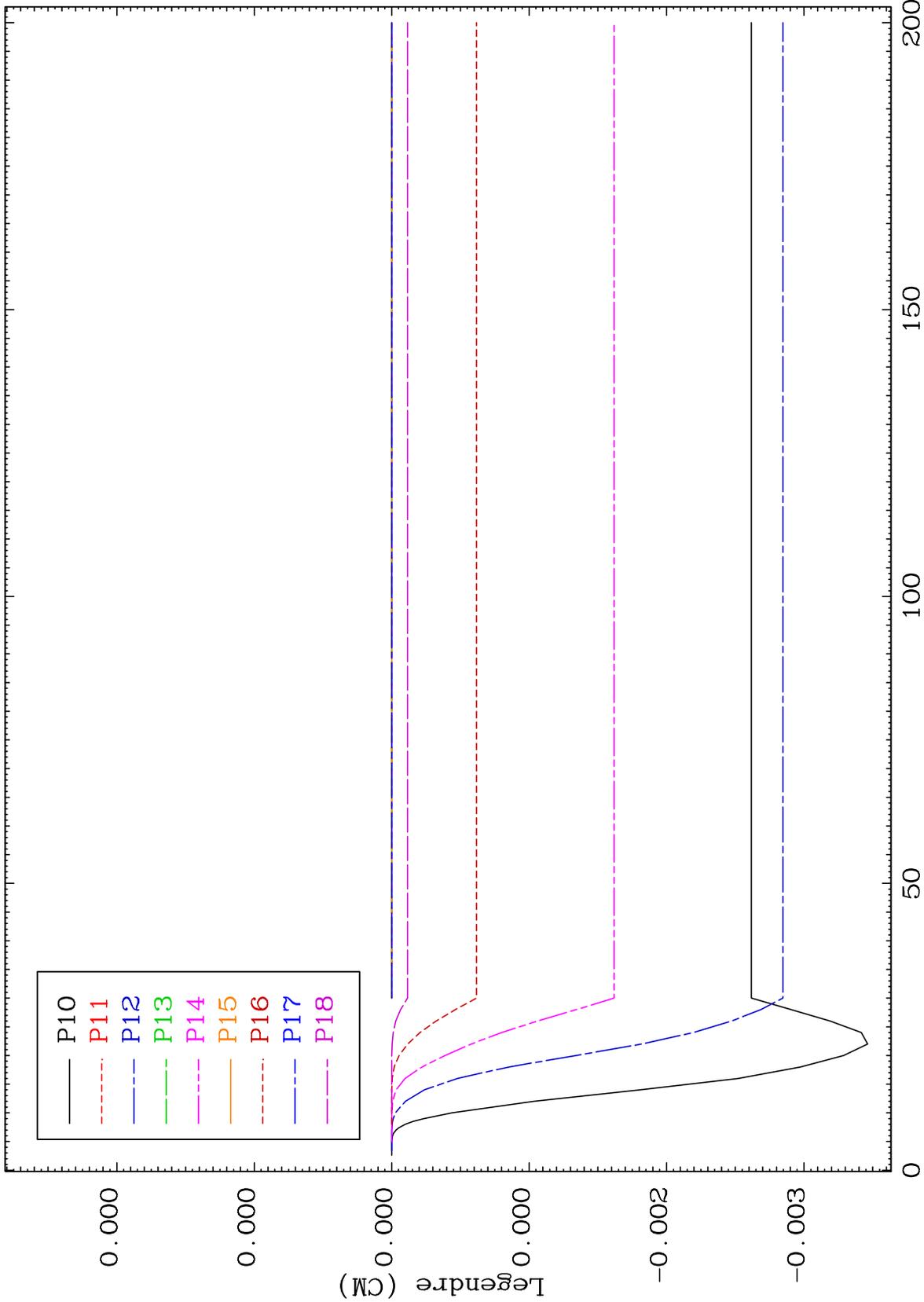
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



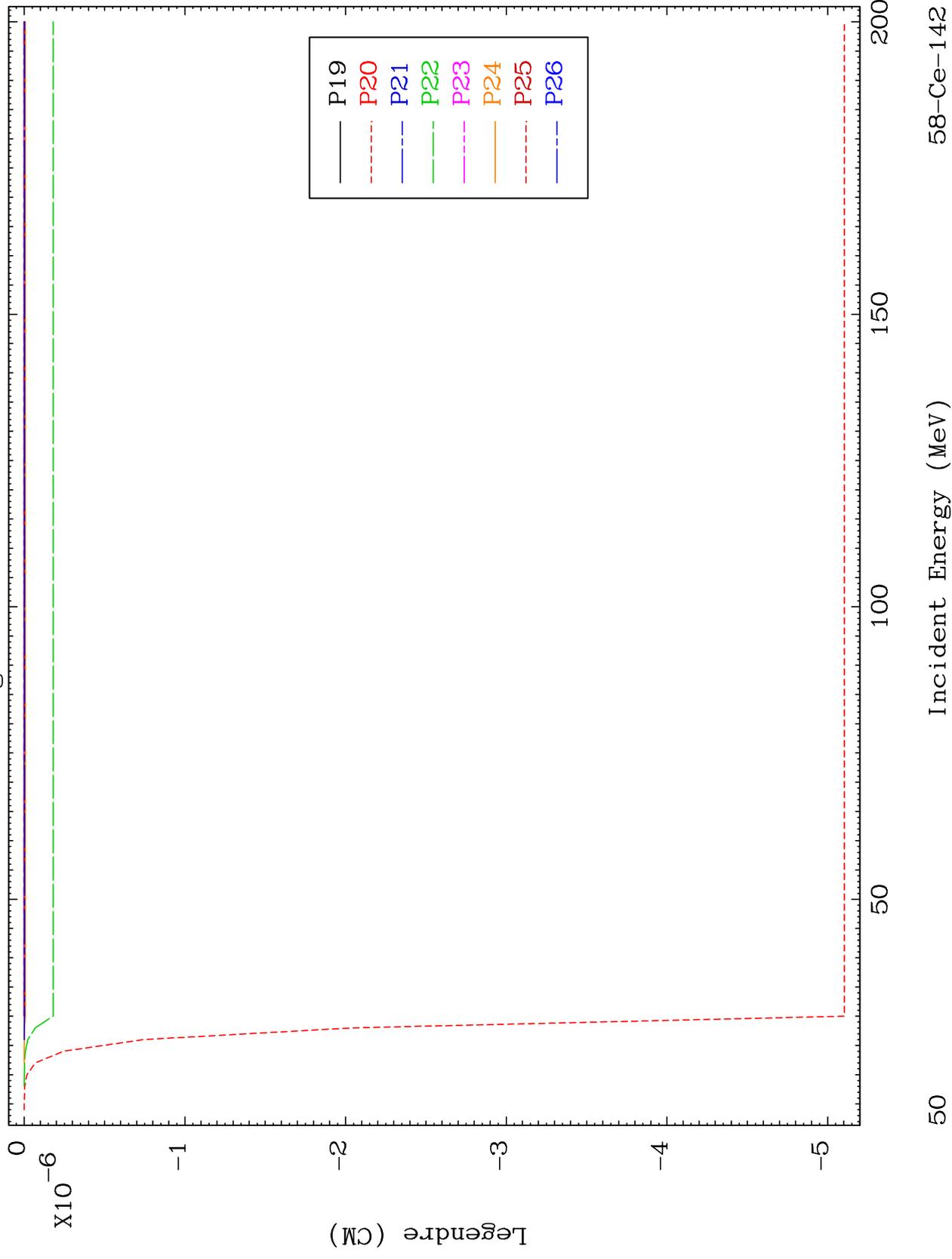
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58-Ce-142

MAT 5843

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

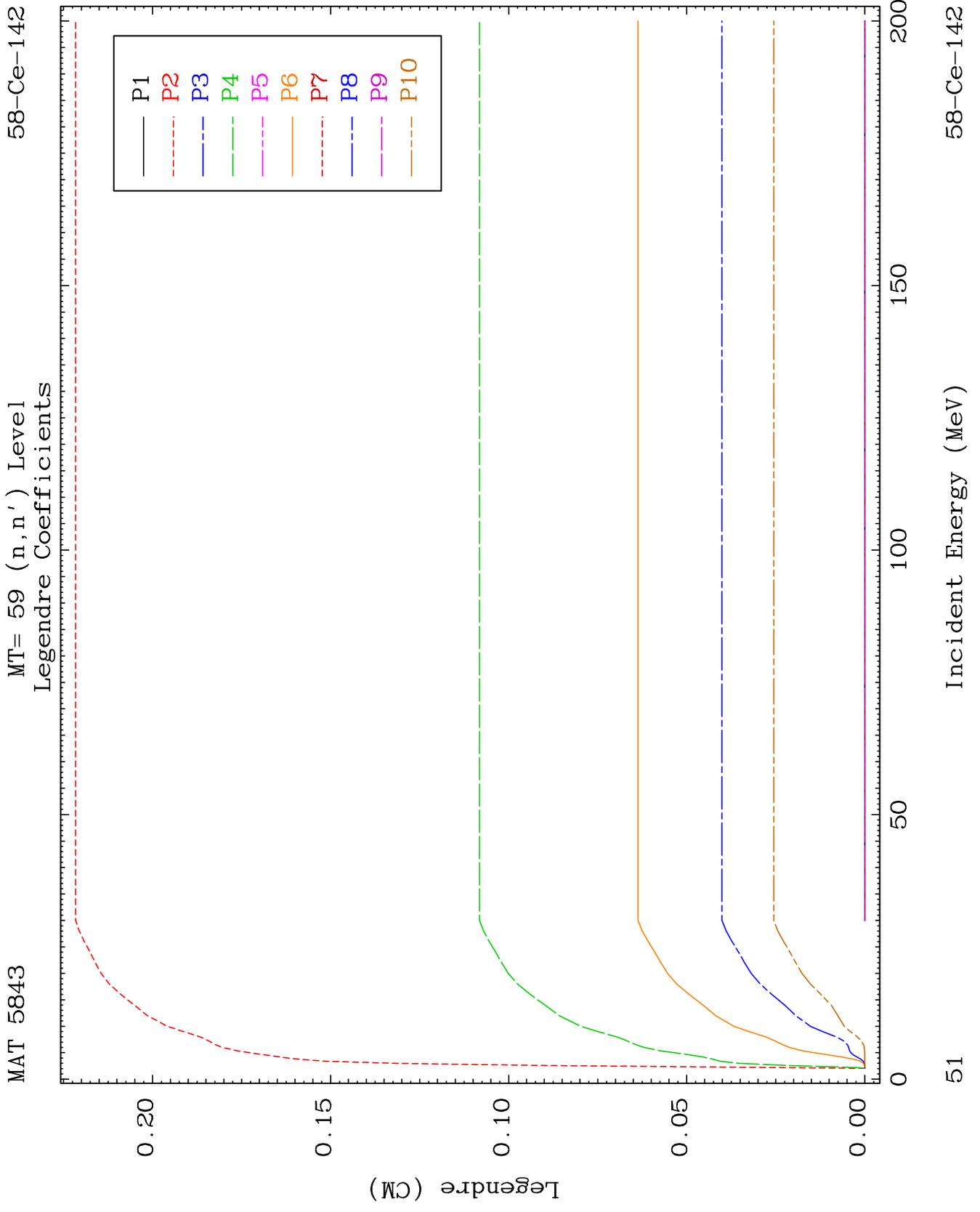
58-Ce-142



58-Ce-142

Incident Energy (MeV)

50

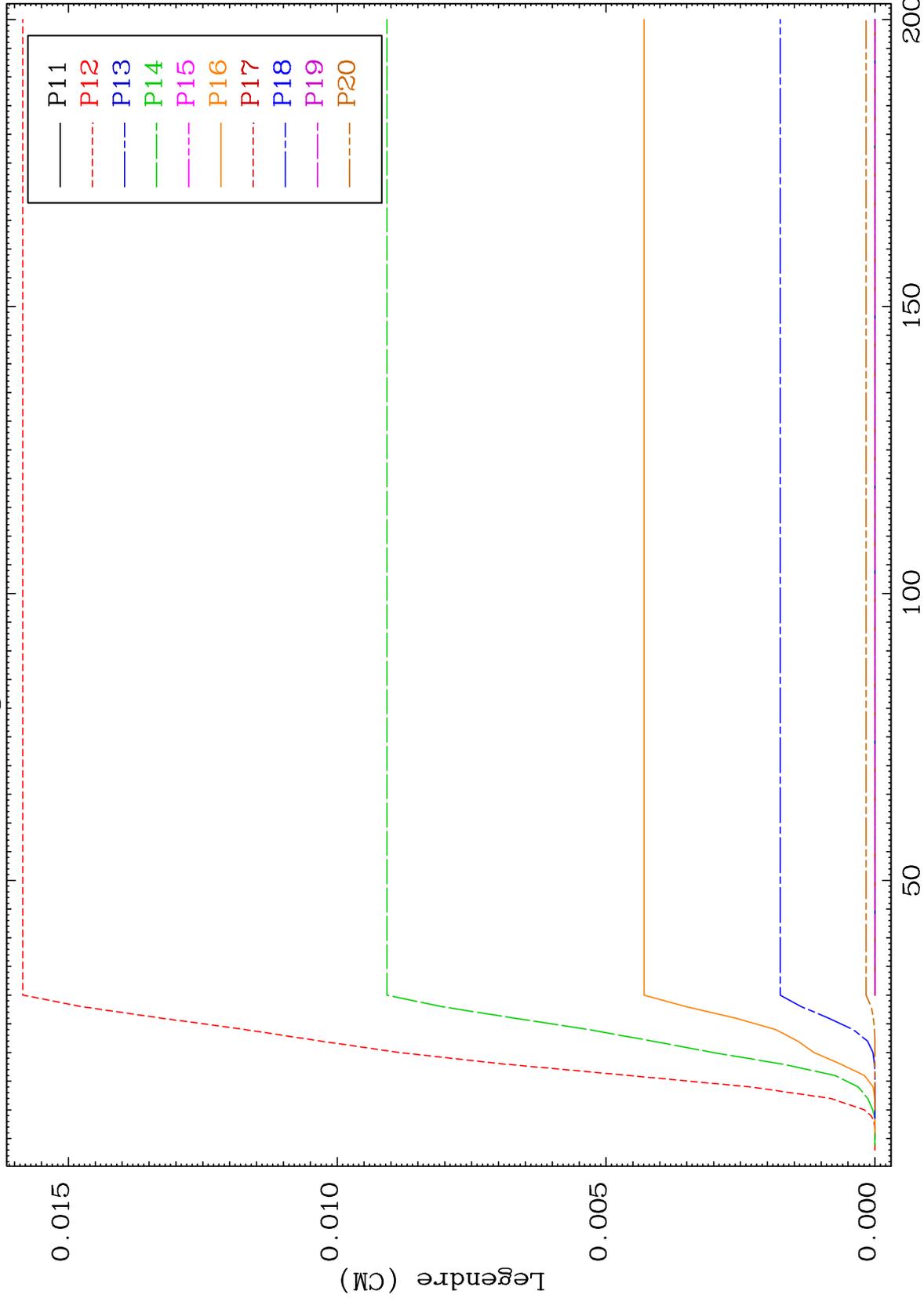


MAT 5843

MT= 59 (n,n') Level

58-Ce-142

Legendre Coefficients



52

Incident Energy (MeV)

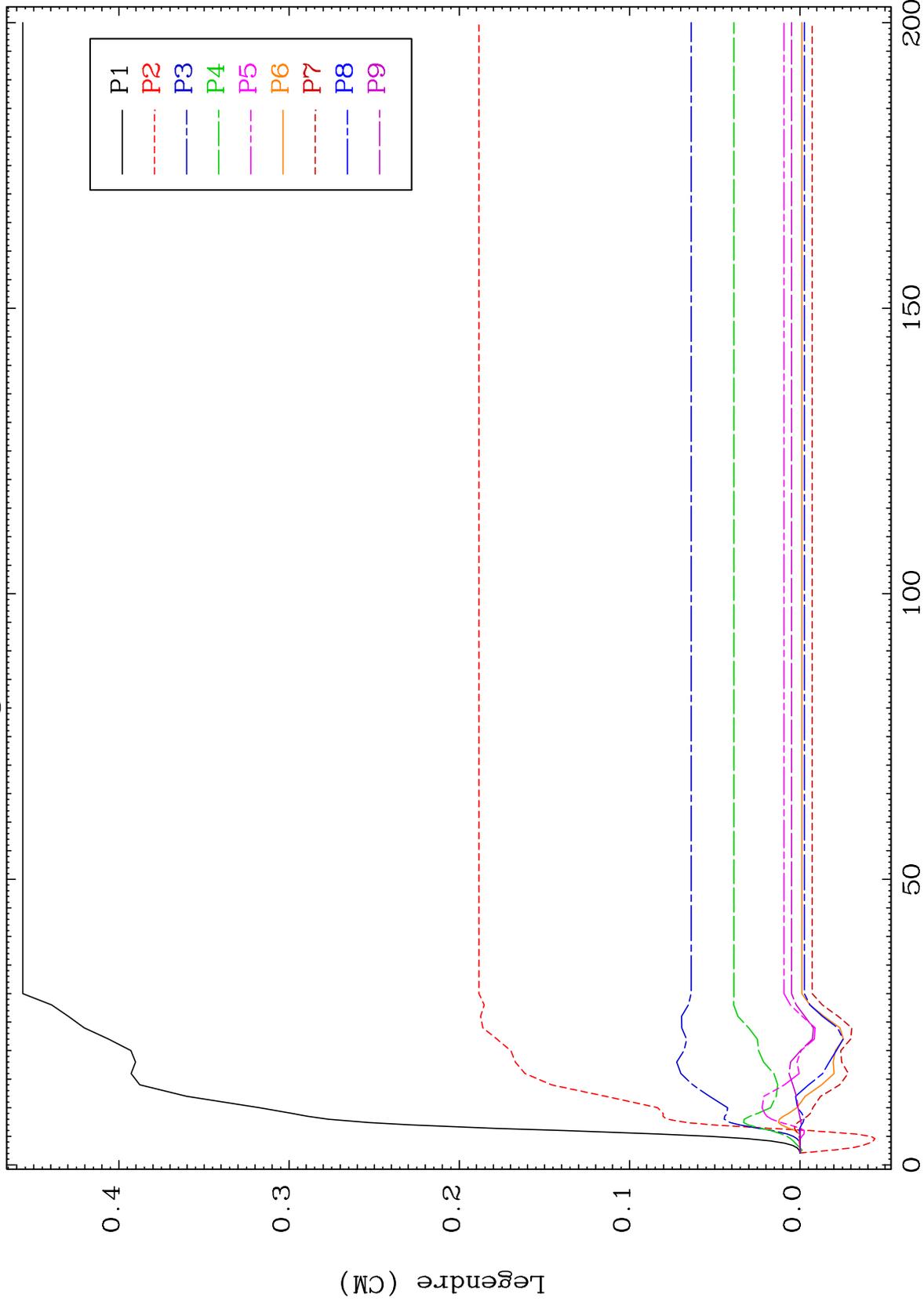
58-Ce-142



MAT 5843

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

58-Ce-142



54

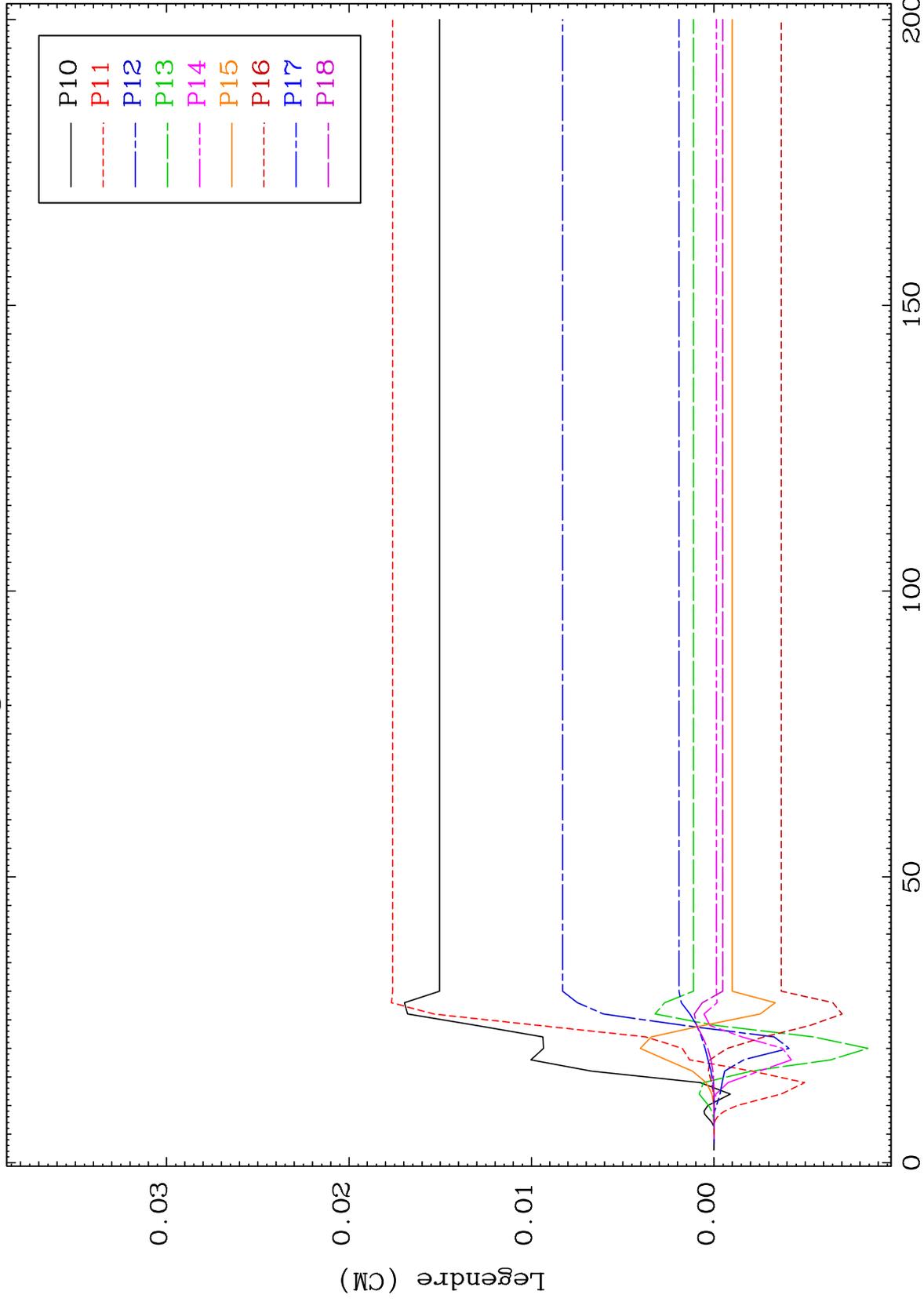
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



55

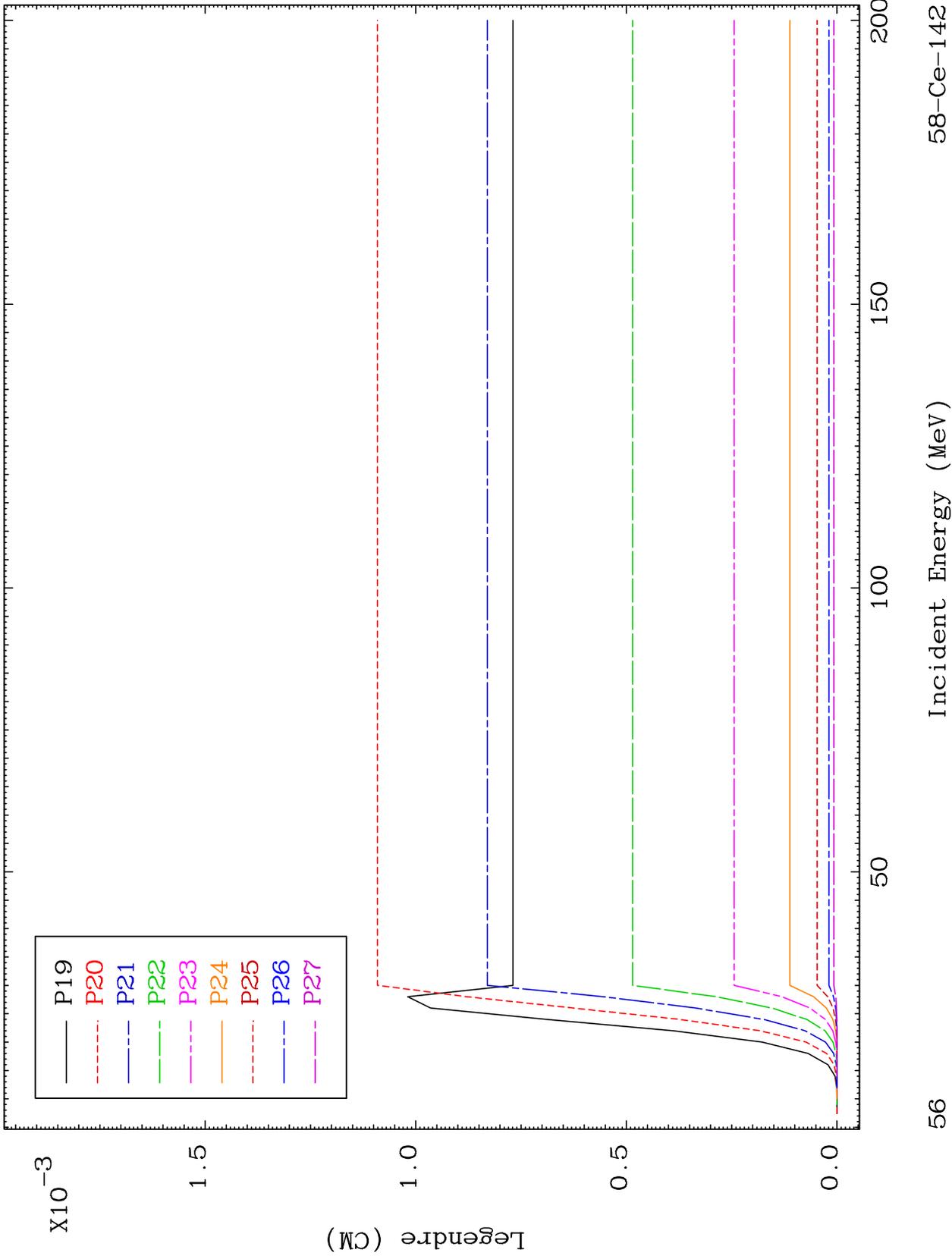
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



56

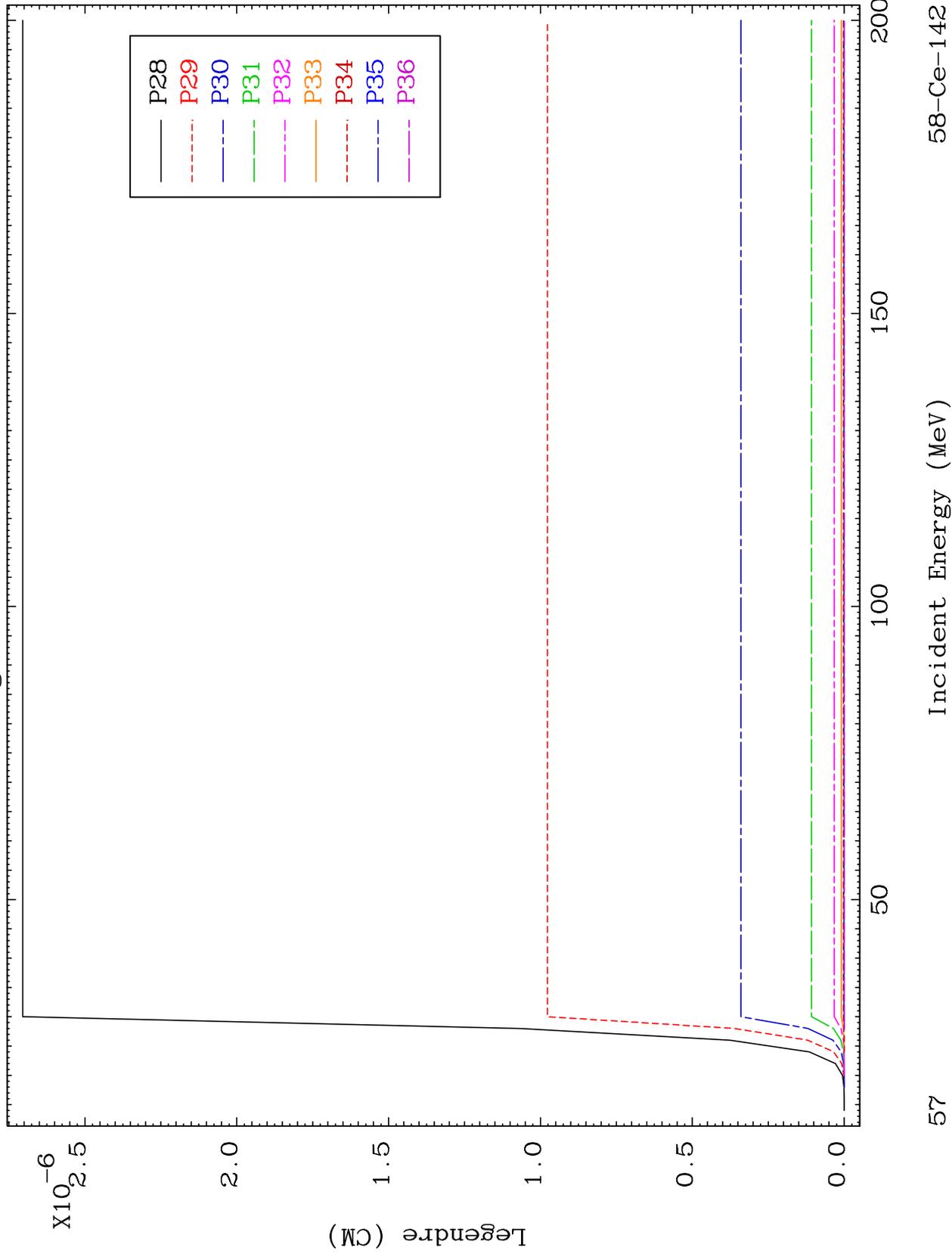
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



57

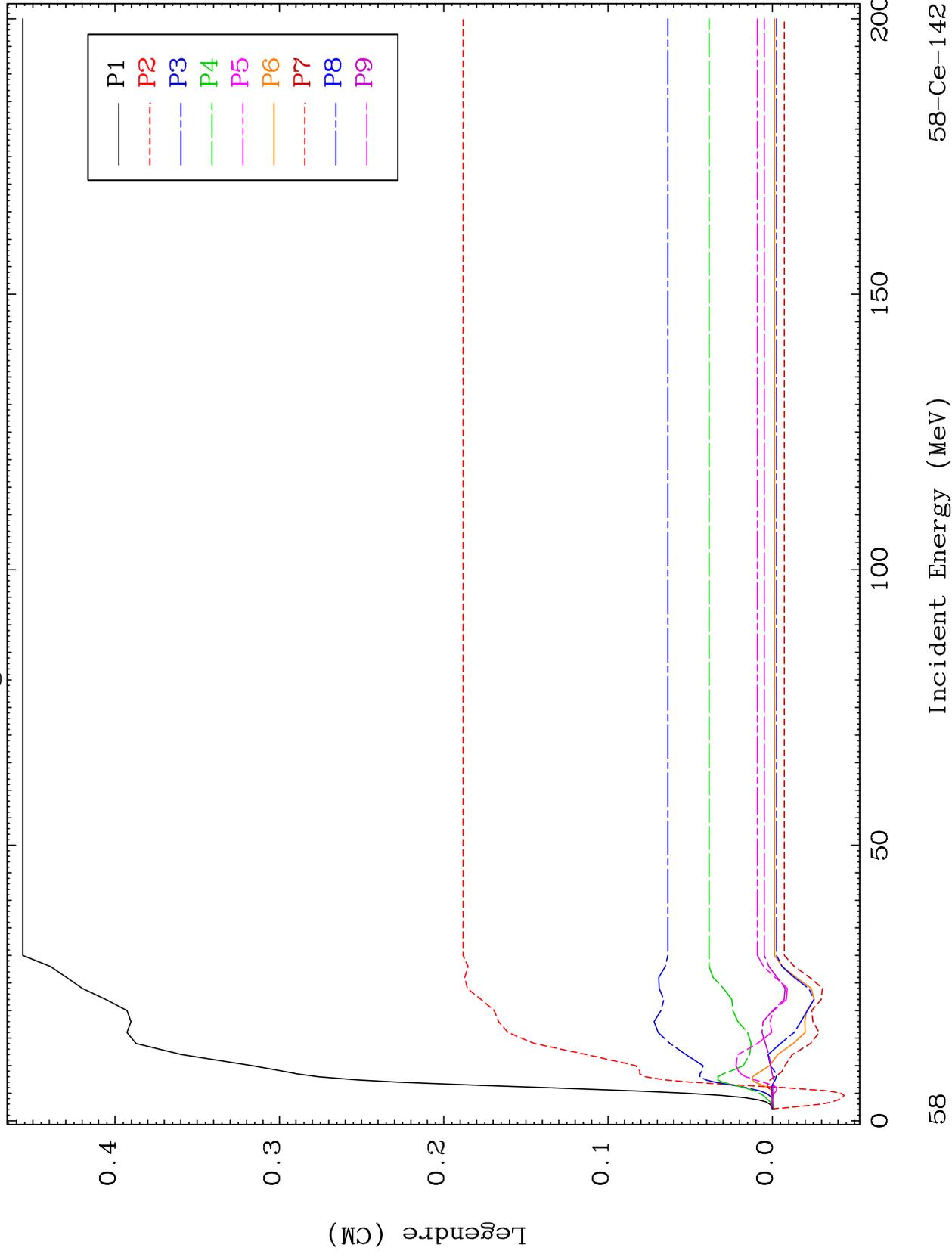
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

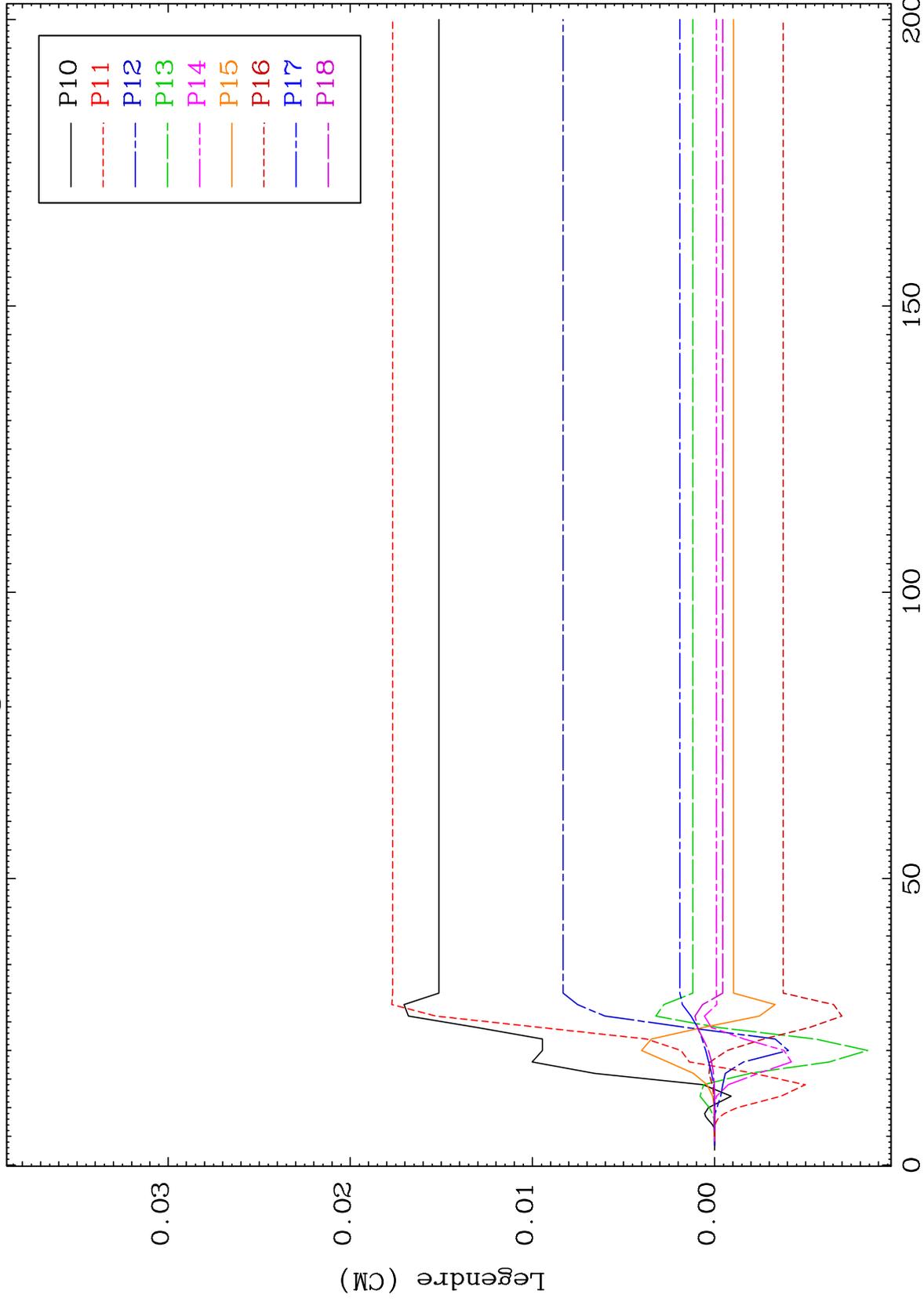
Incident Energy (MeV)

58

MAT 5843

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

58-Ce-142



58-Ce-142

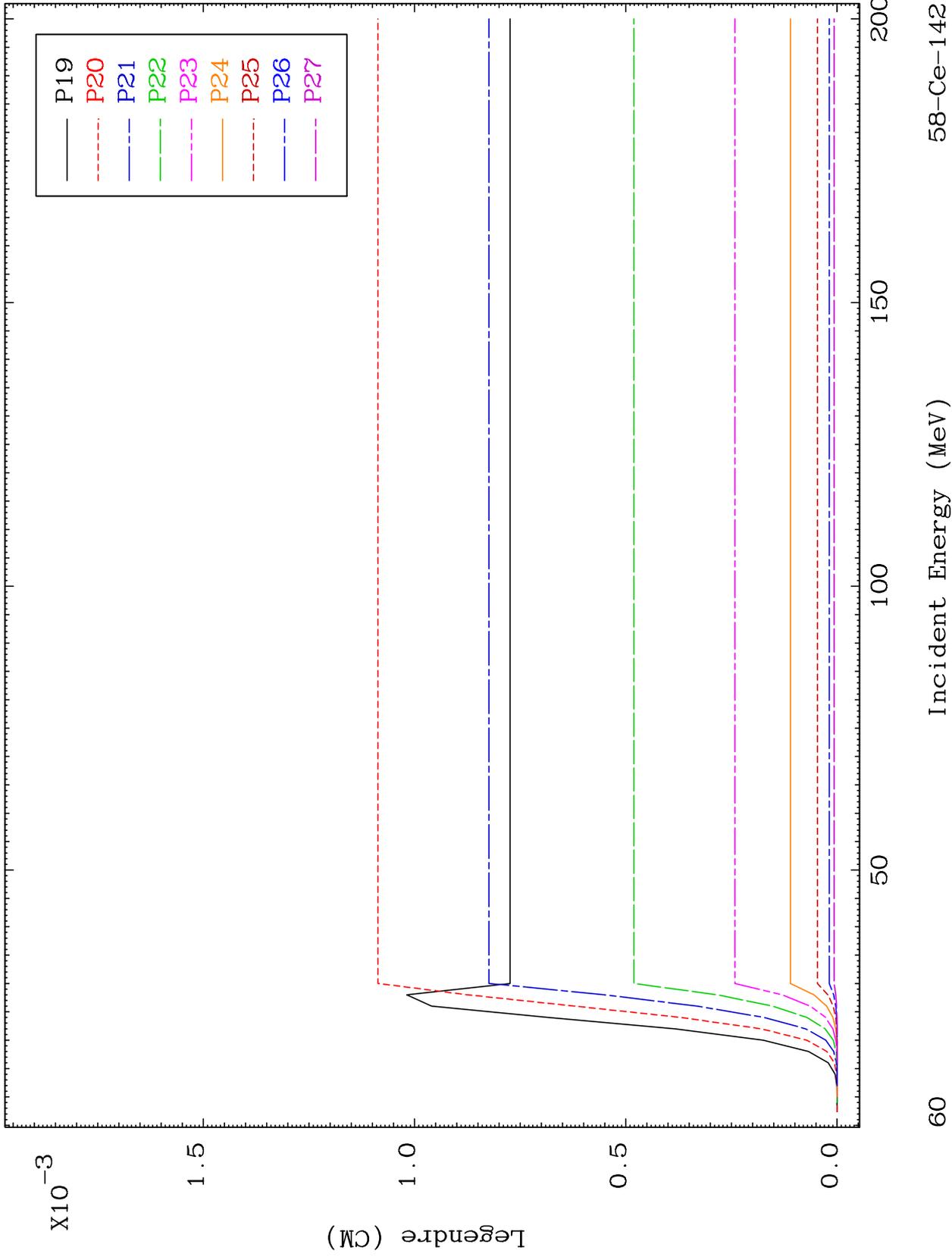
Incident Energy (MeV)

59

MAT 5843

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

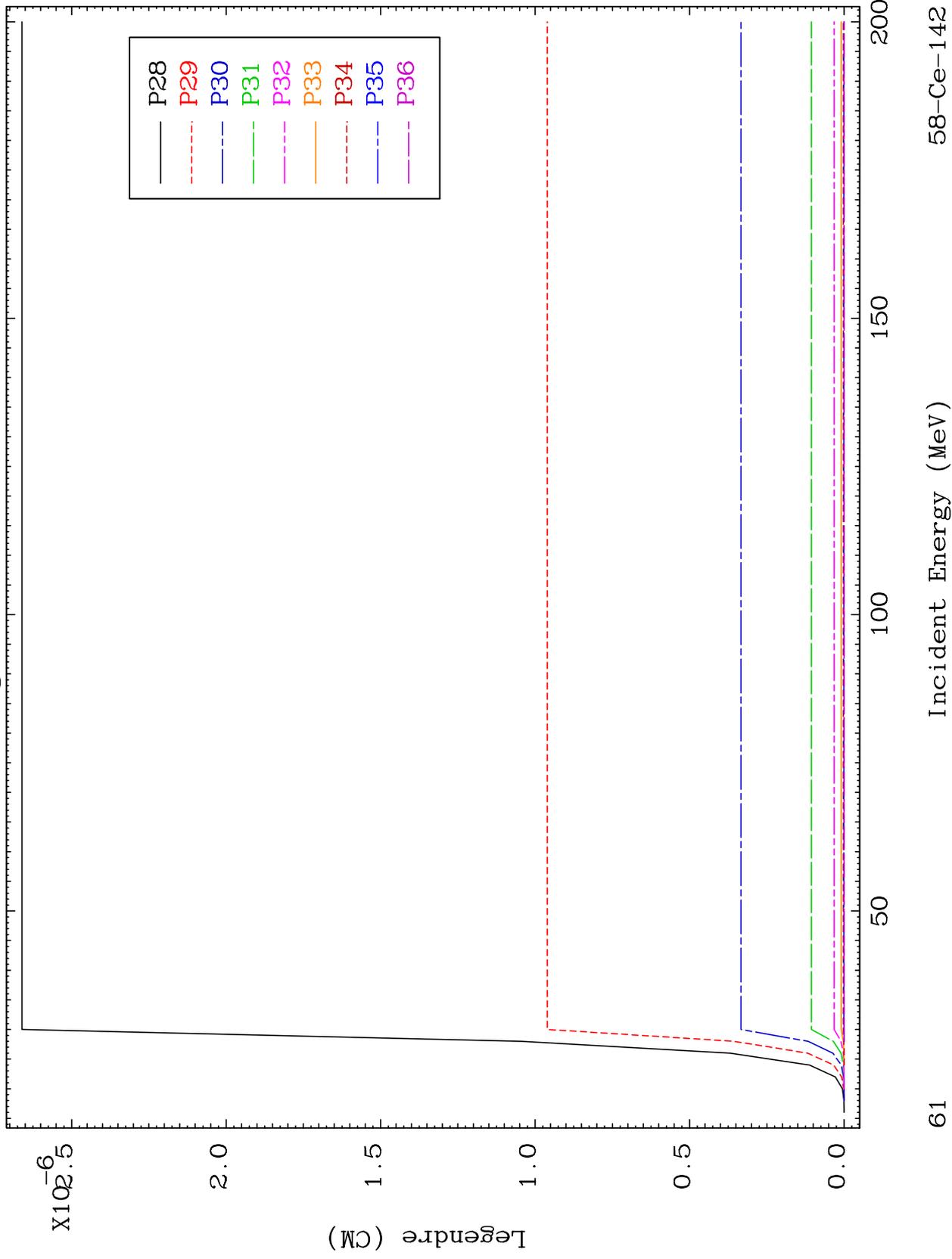
58-Ce-142



MAT 5843

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

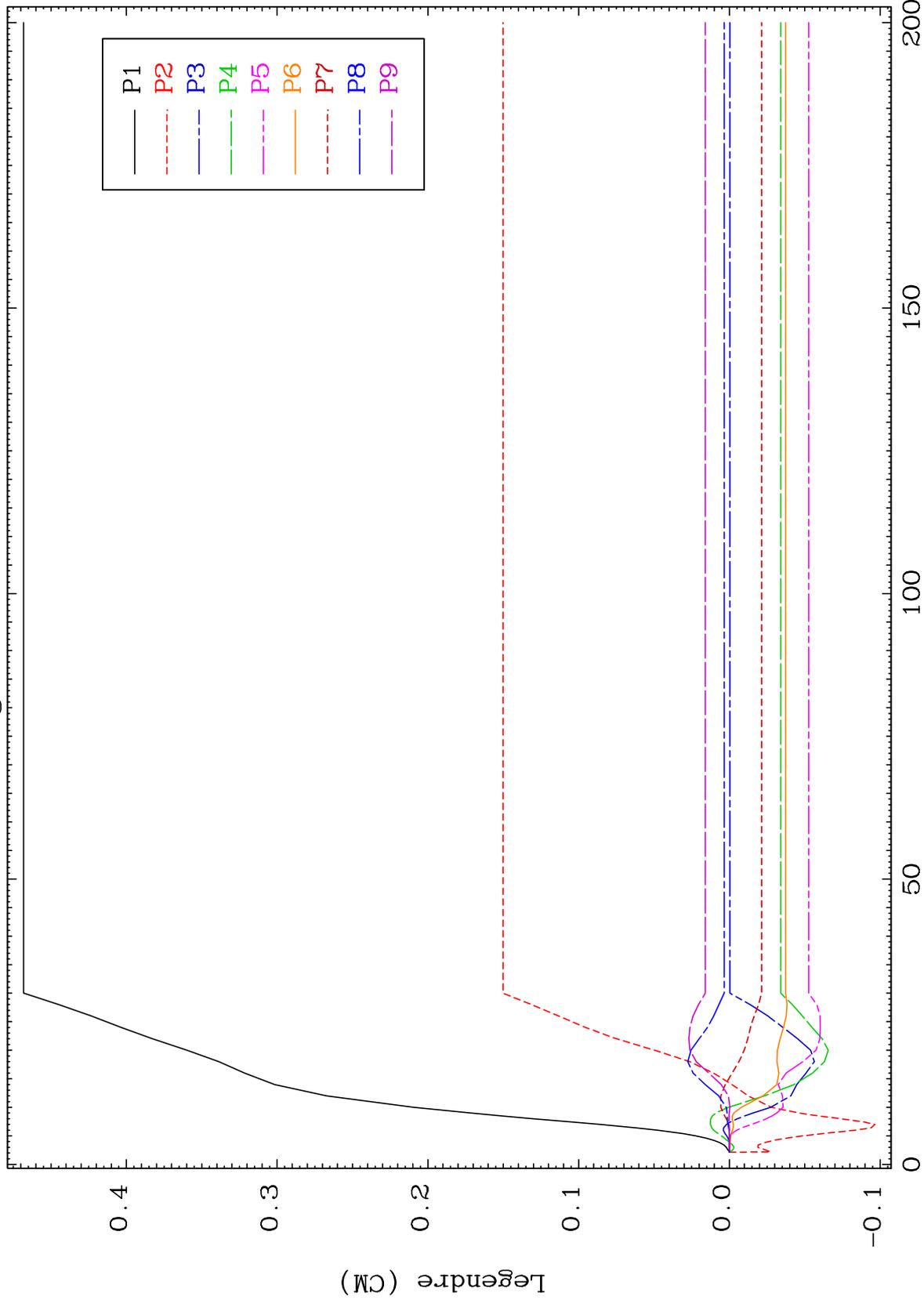
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MAT 5843

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

58-Ce-142



58-Ce-142

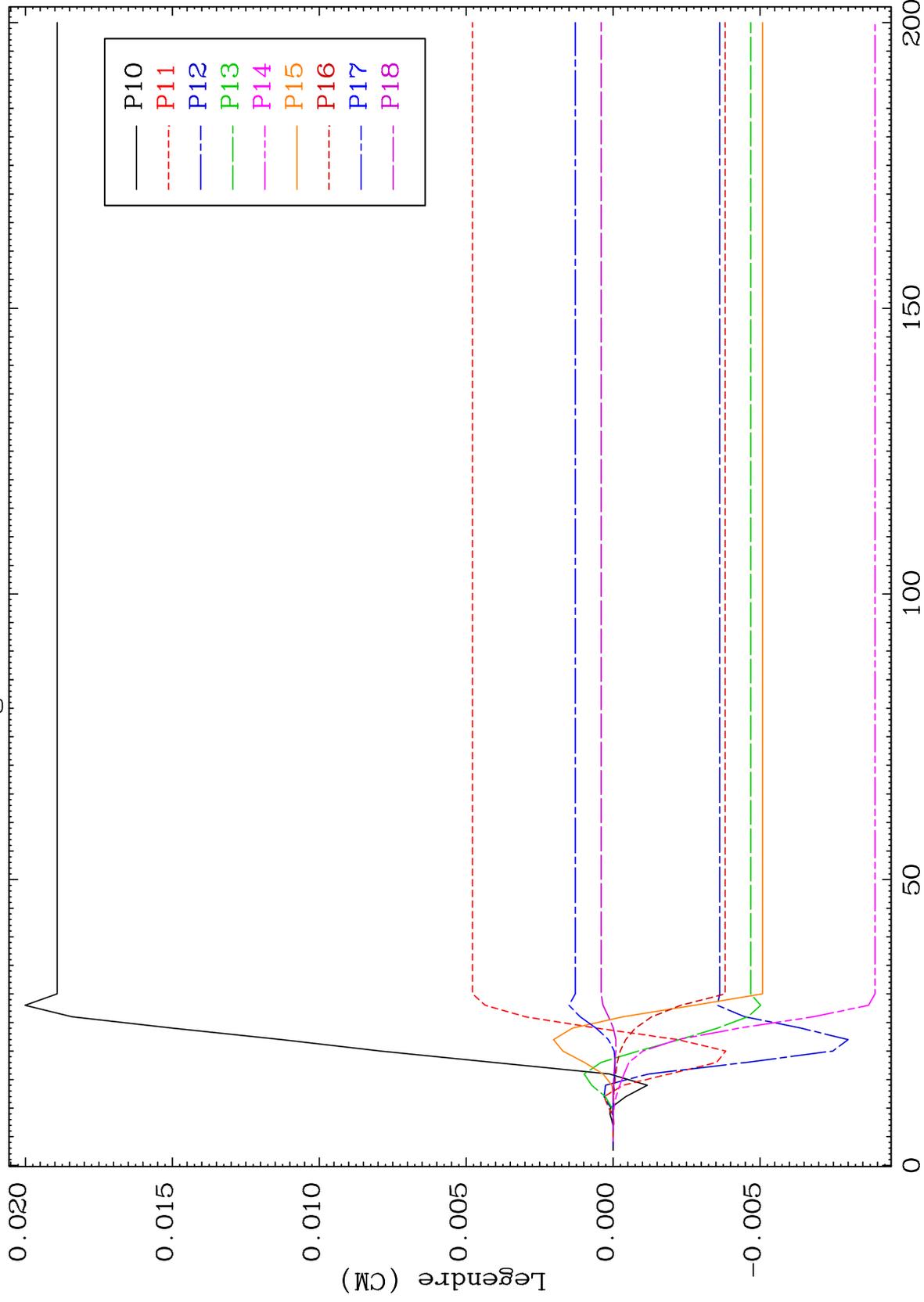
Incident Energy (MeV)

62

MAT 5843

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

58-Ce-142



63

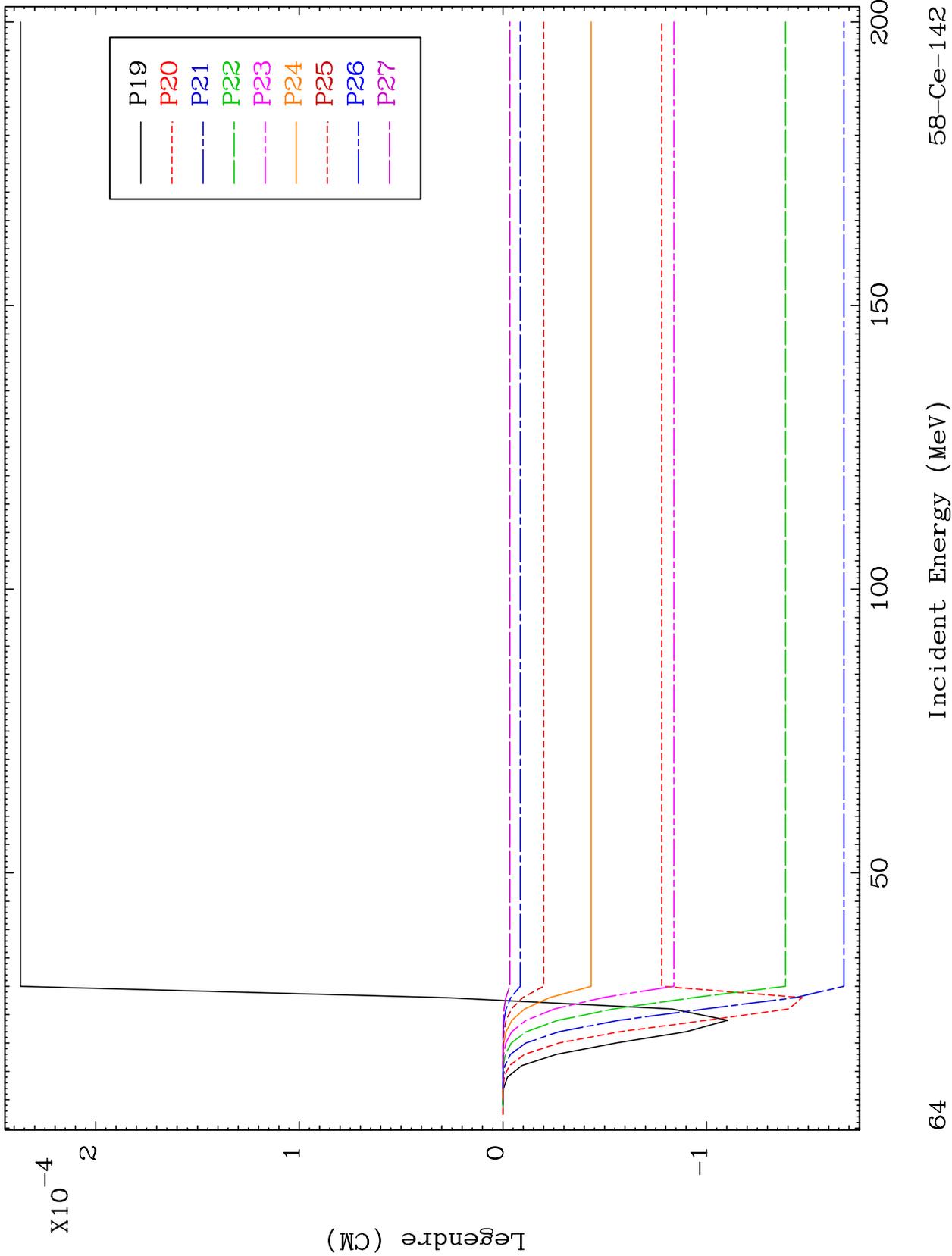
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

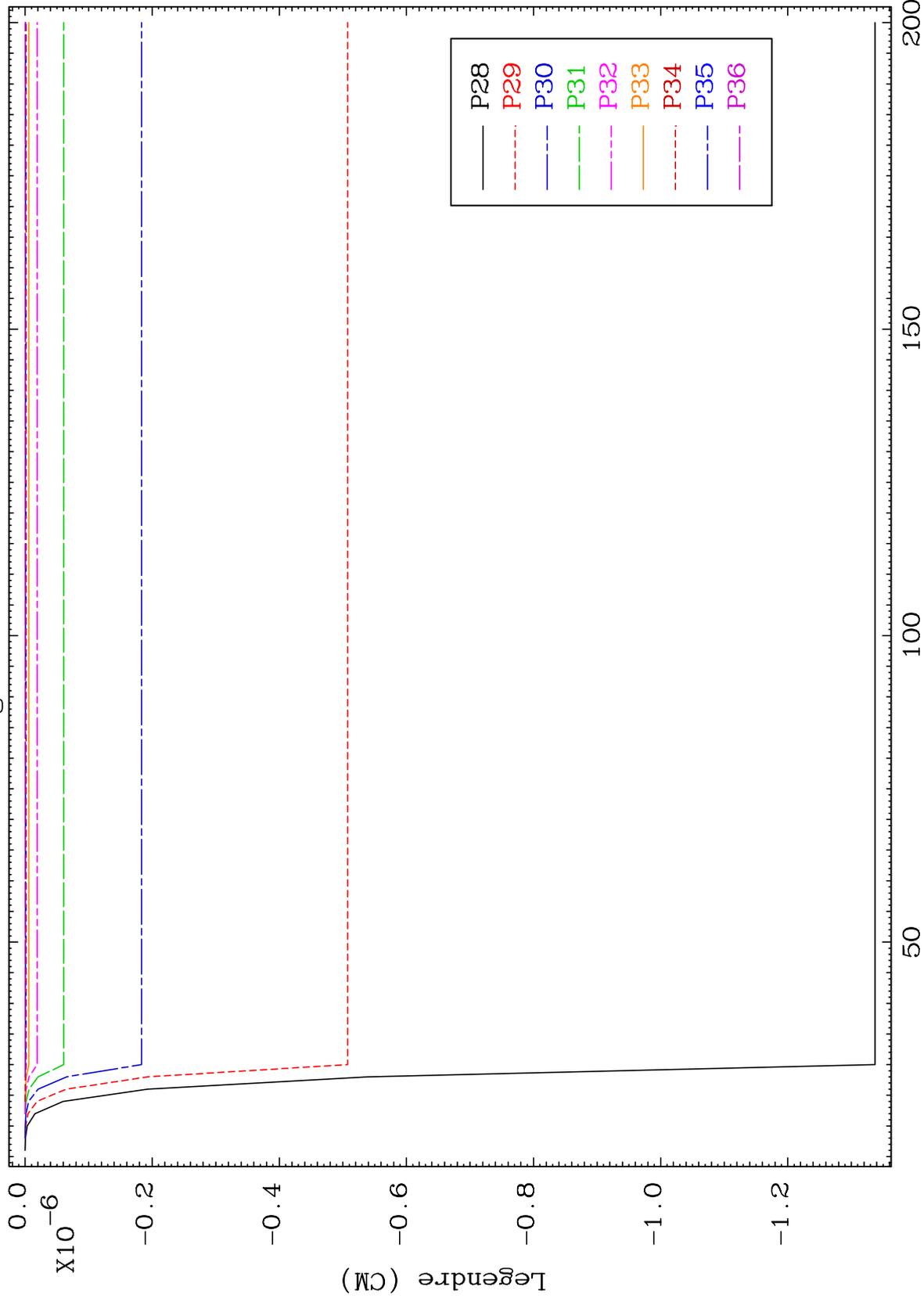
58-Ce-142



MAT 5843

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

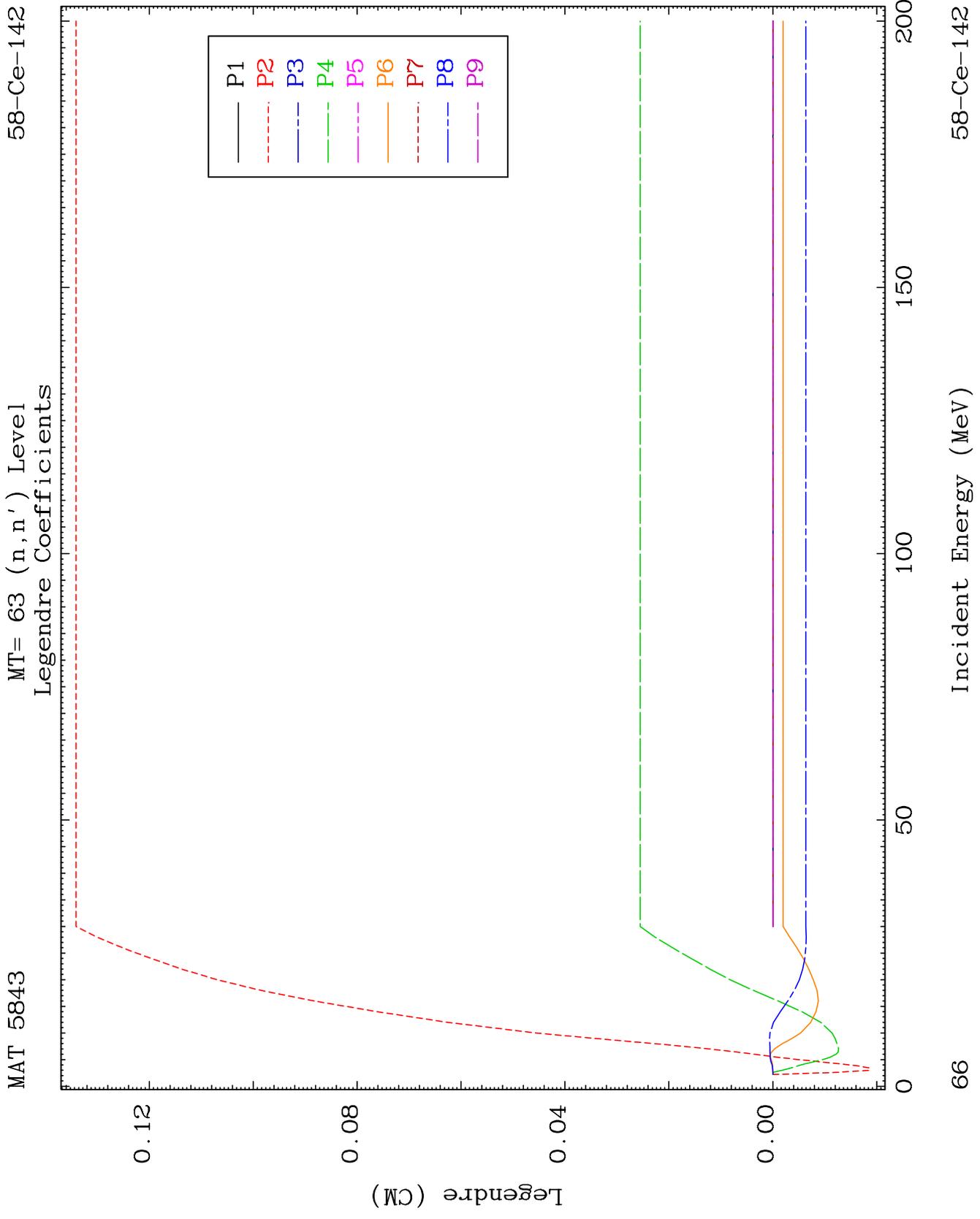
58-Ce-142



65

Incident Energy (MeV)

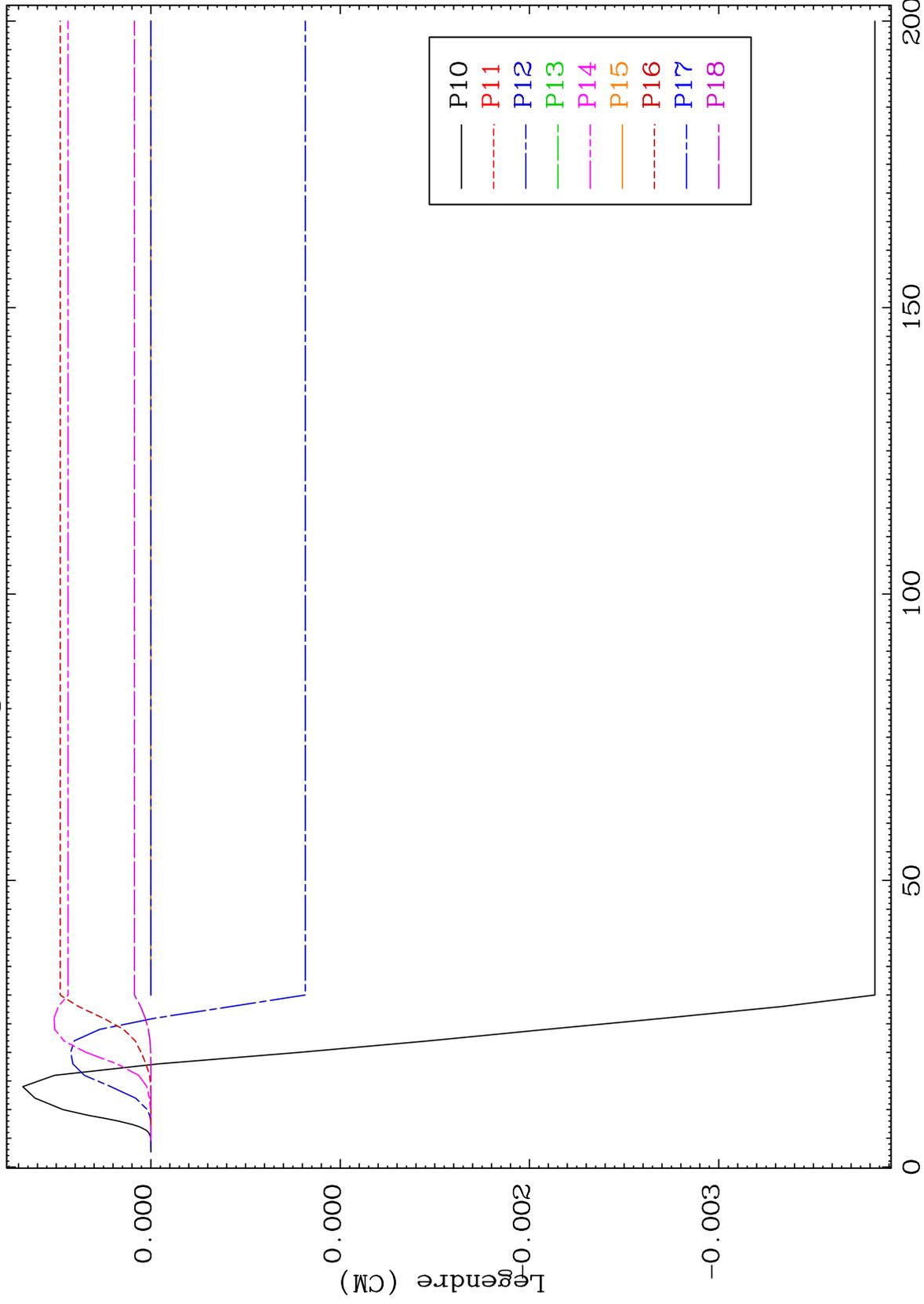
58-Ce-142



MAT 5843

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

58-Ce-142



67

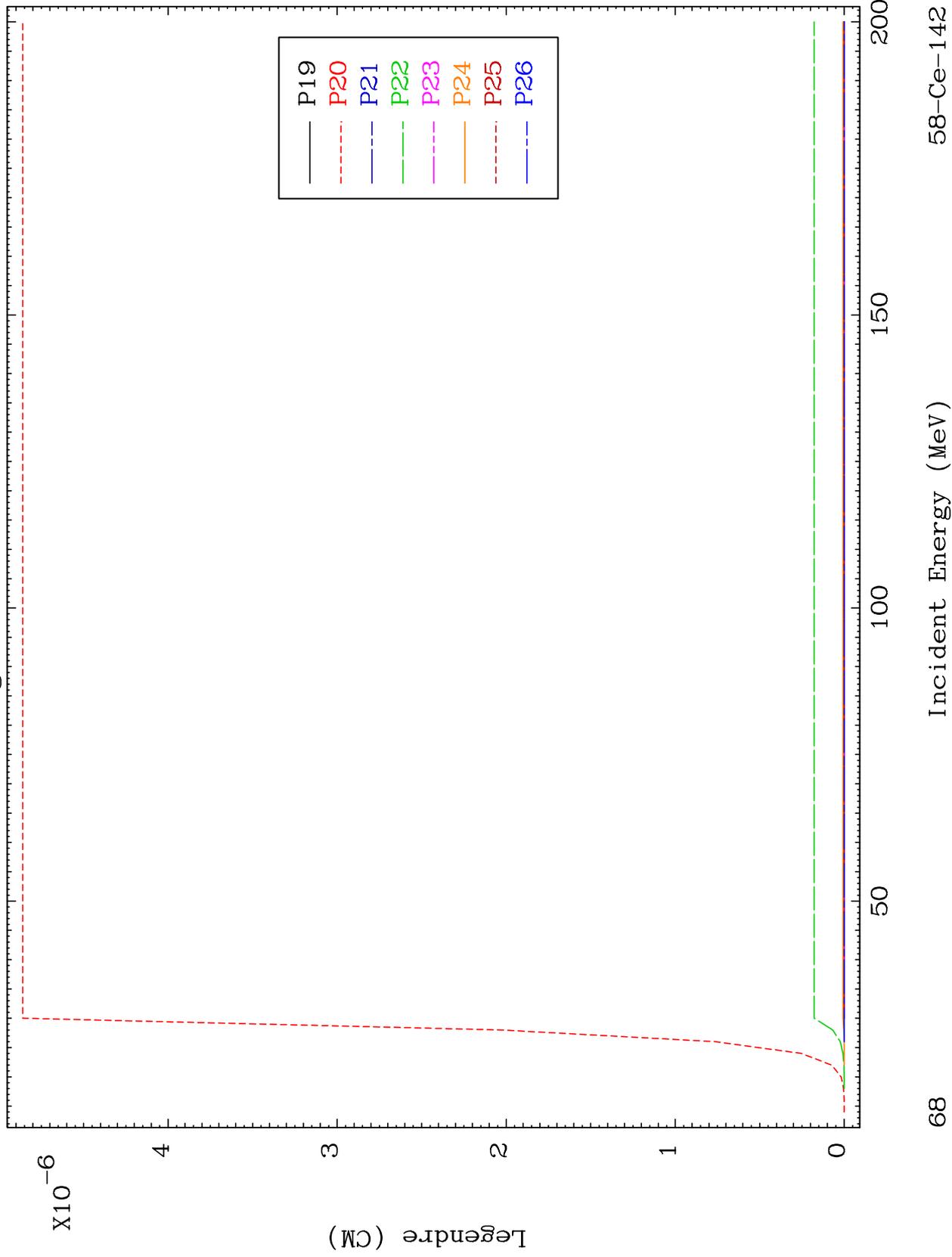
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



68

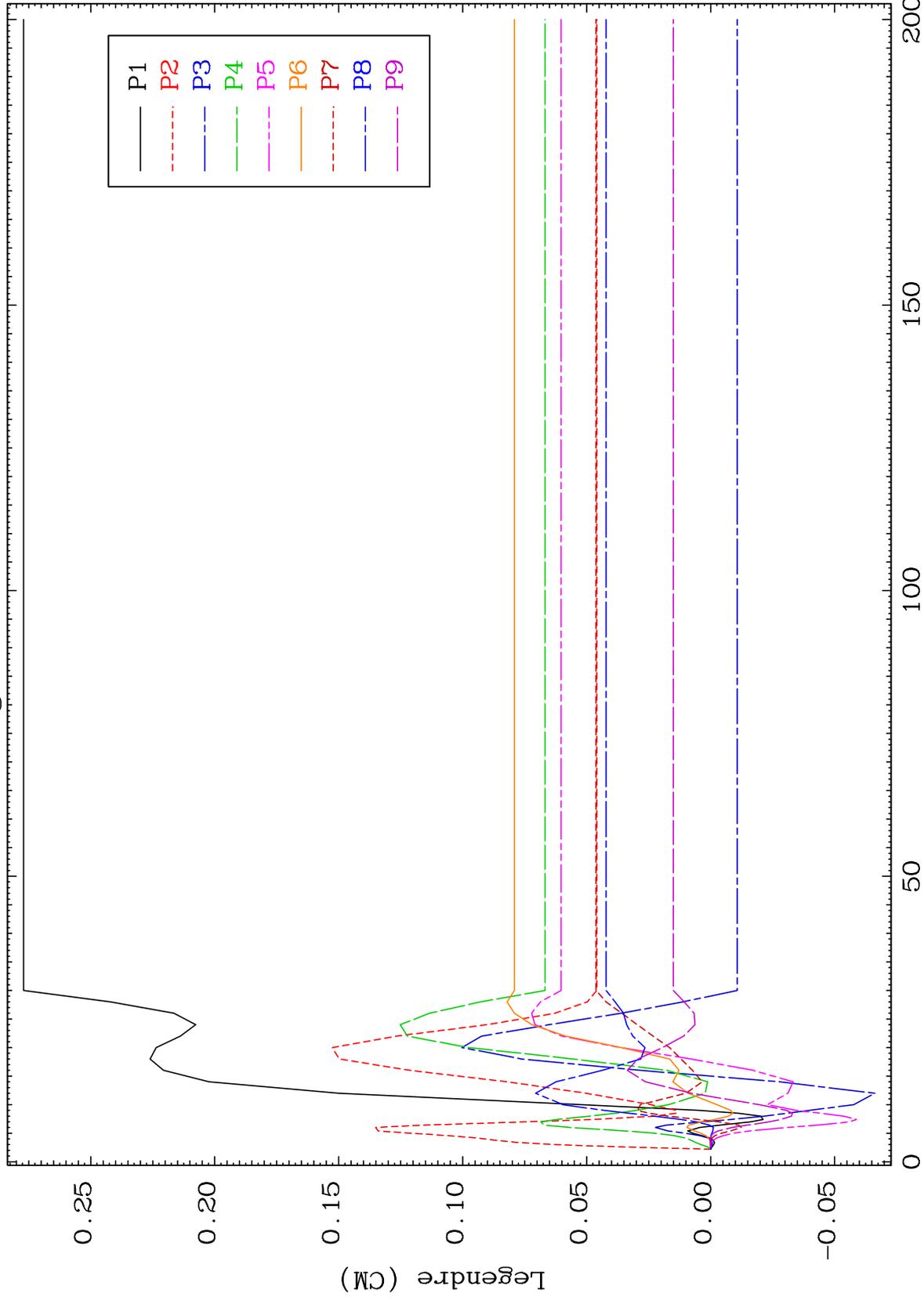
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



Incident Energy (MeV)

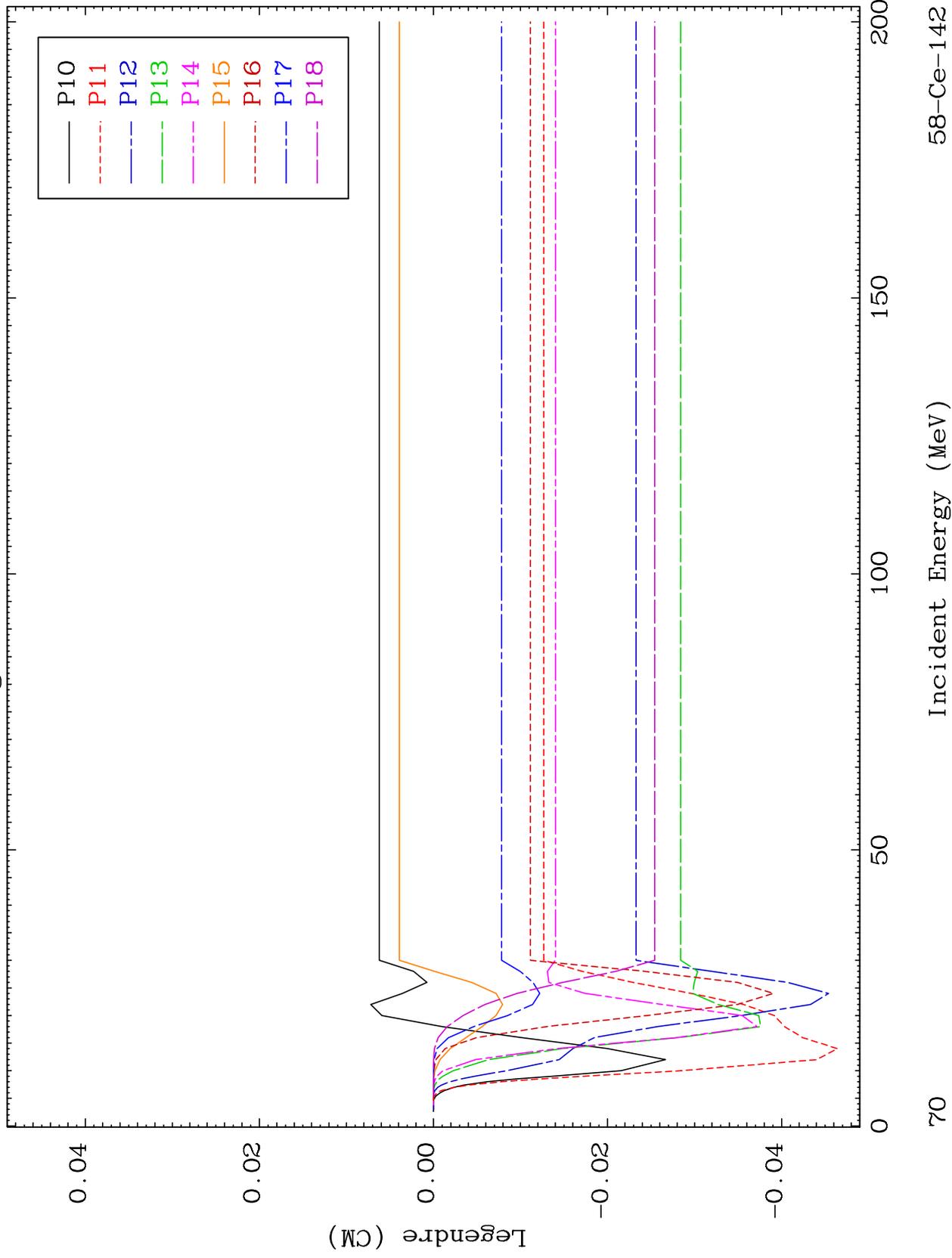
58-Ce-142

69

MAT 5843

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

58-Ce-142



58-Ce-142

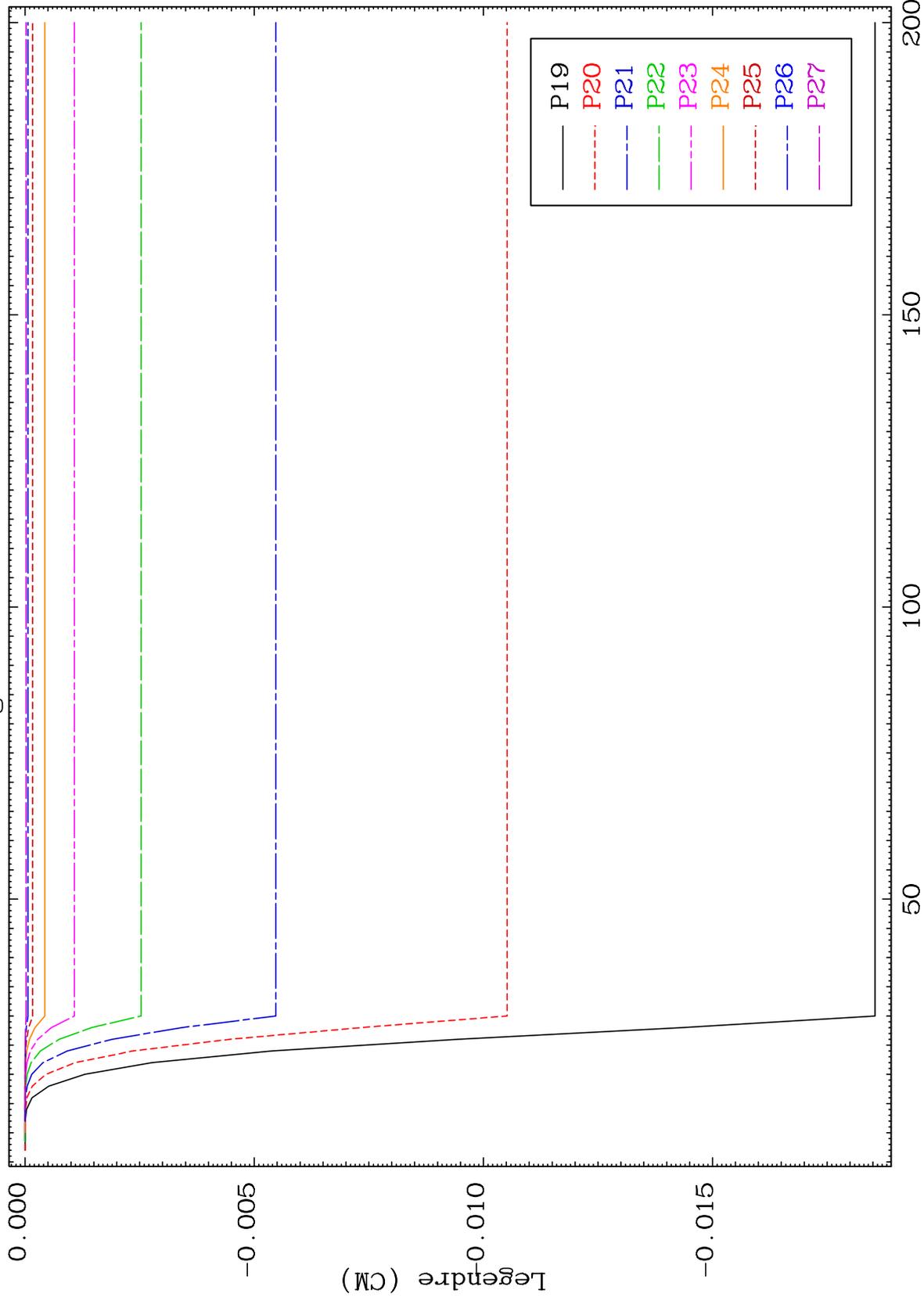
Incident Energy (MeV)

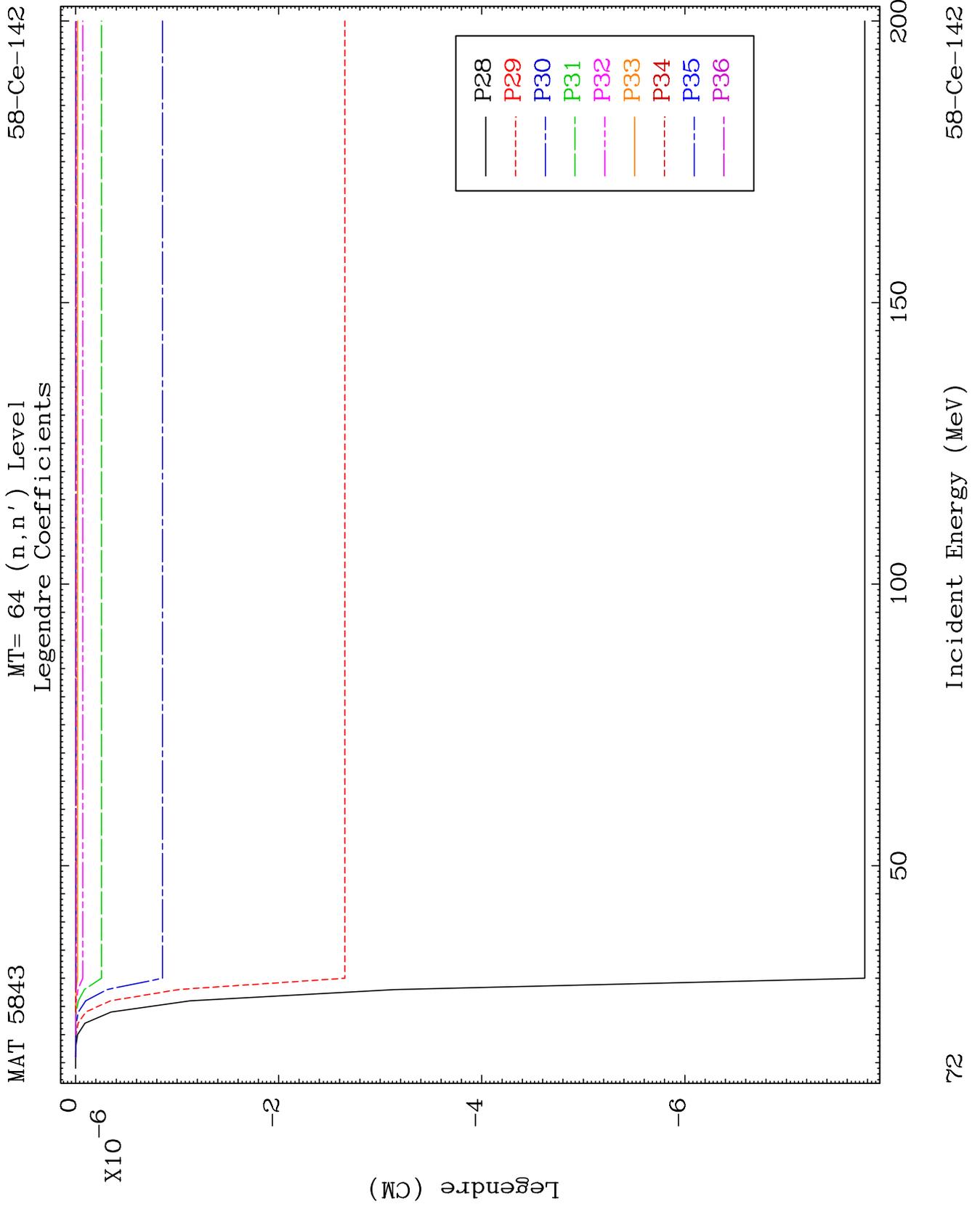
70

MAT 5843

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

58-Ce-142

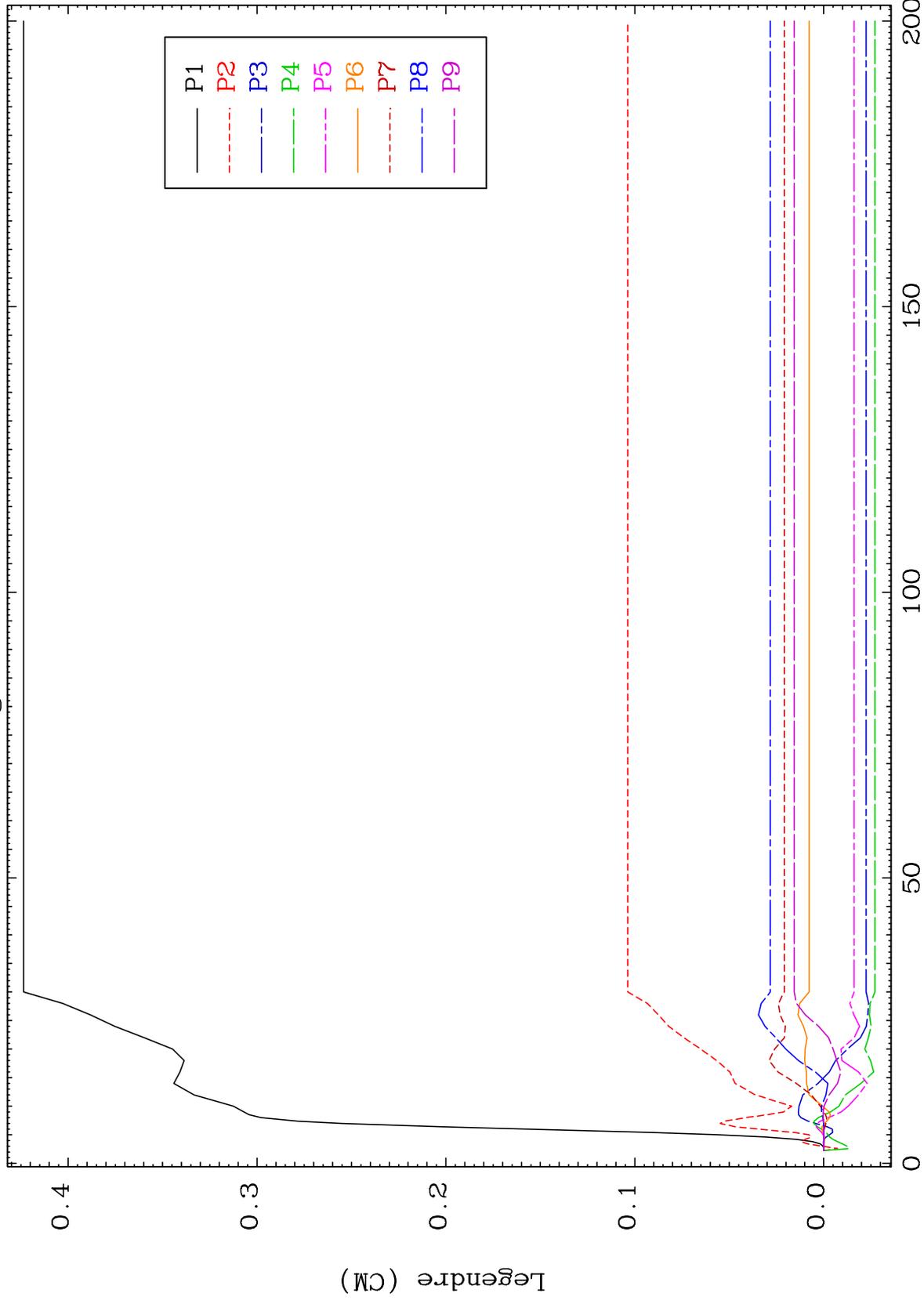




MAT 5843

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

58-Ce-142



73

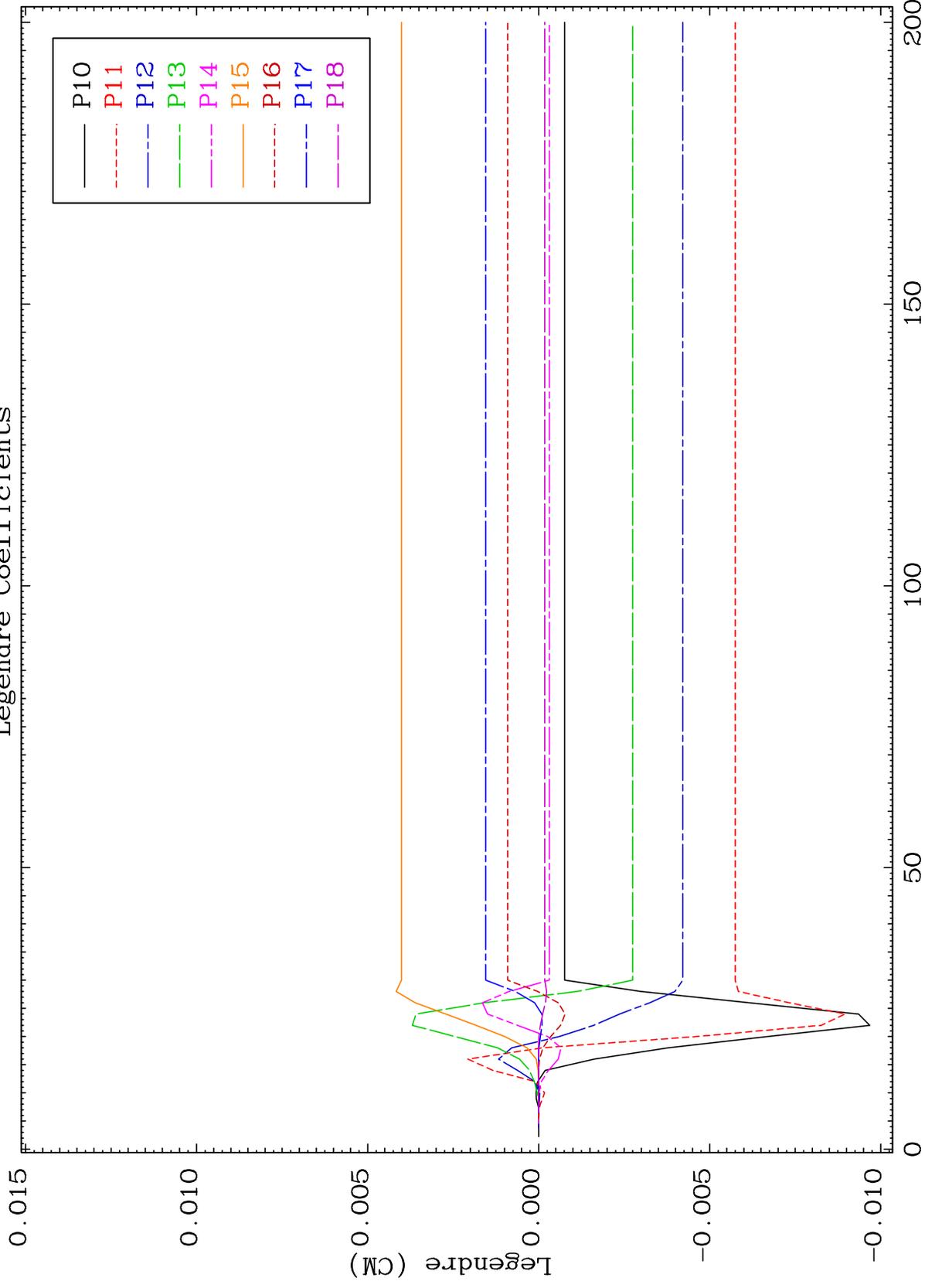
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



74

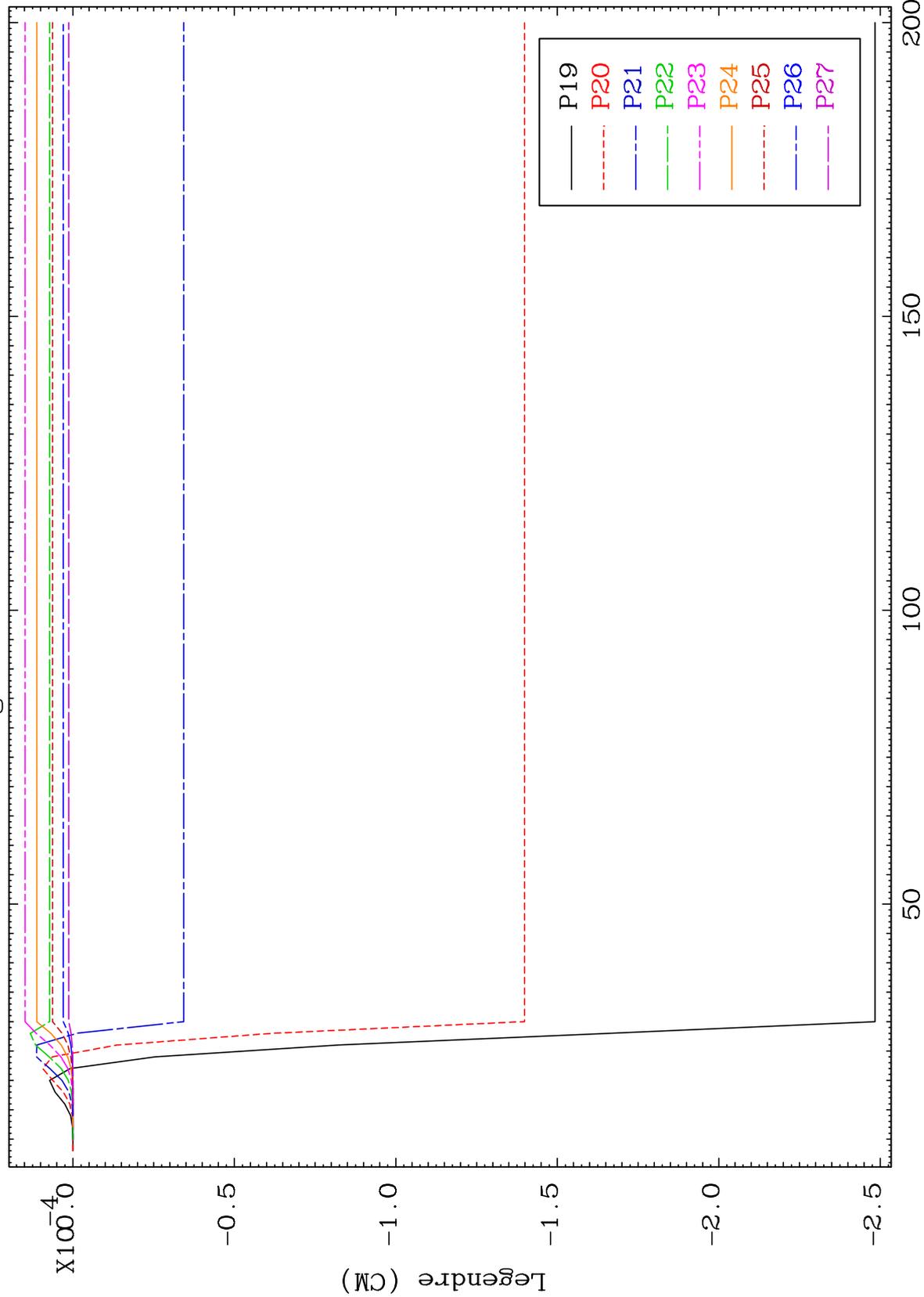
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

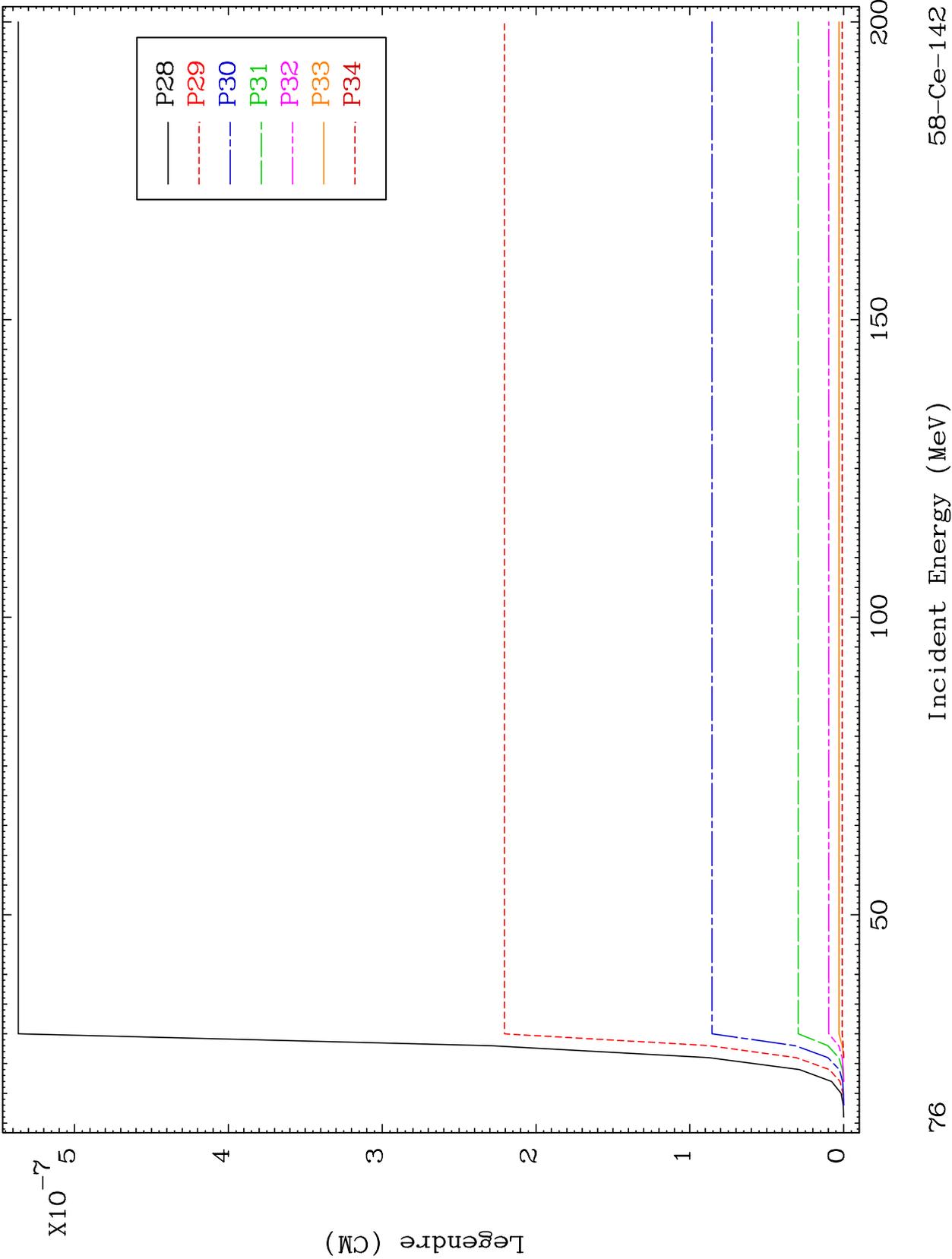
Incident Energy (MeV)

75

MAT 5843

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

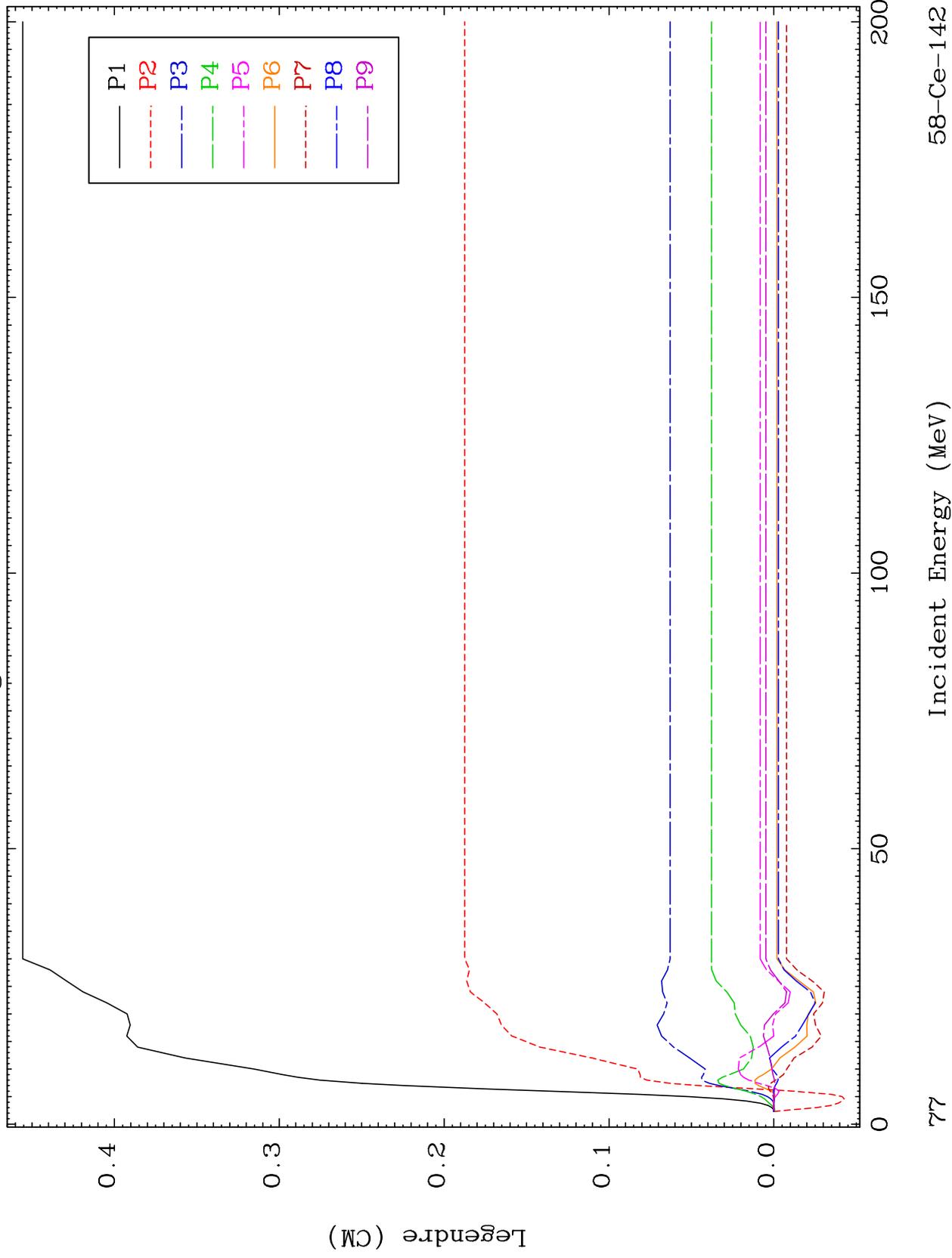
58-Ce-142



MAT 5843

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

58-Ce-142



58-Ce-142

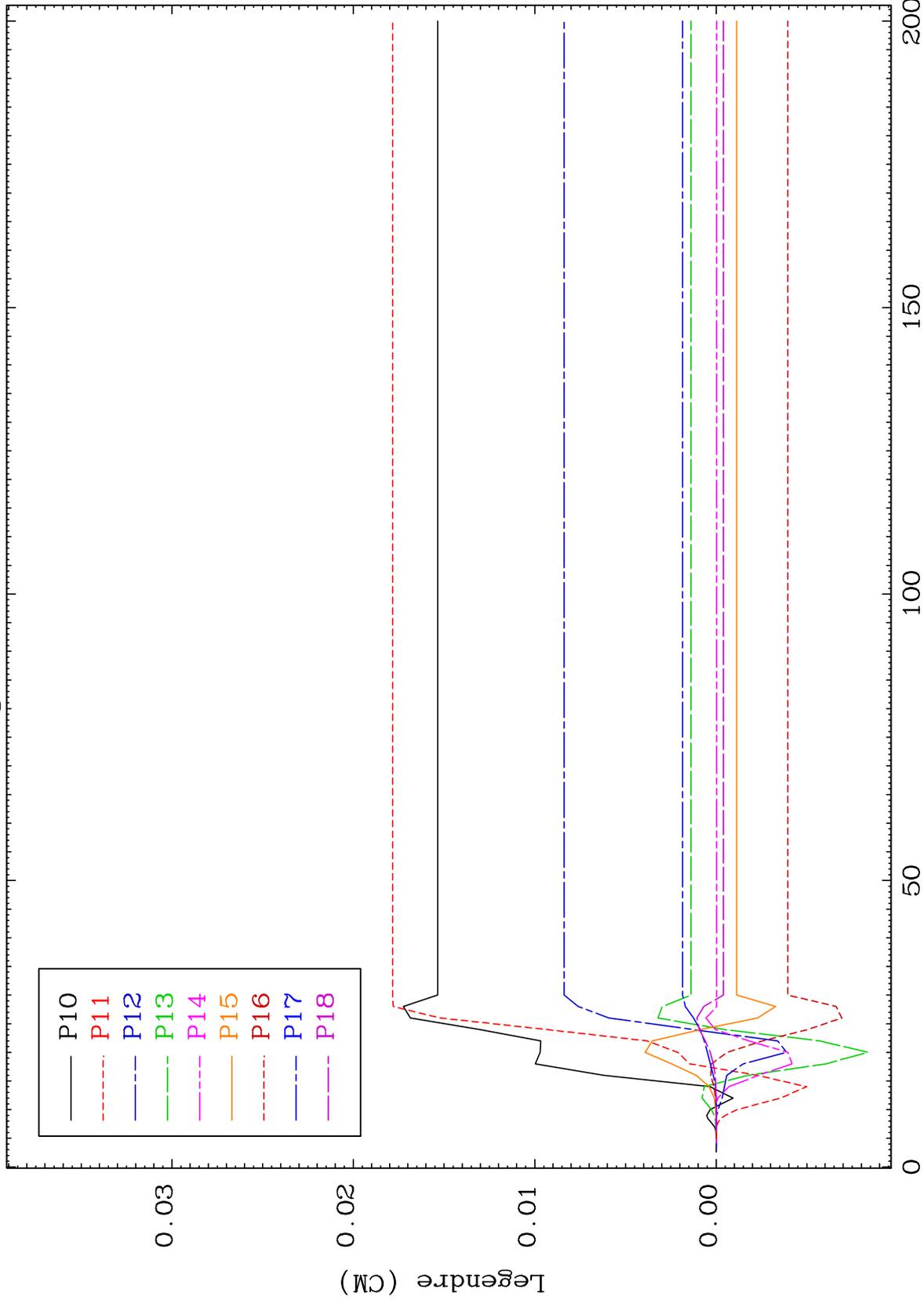
Incident Energy (MeV)

77

MAT 5843

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

58-Ce-142



78

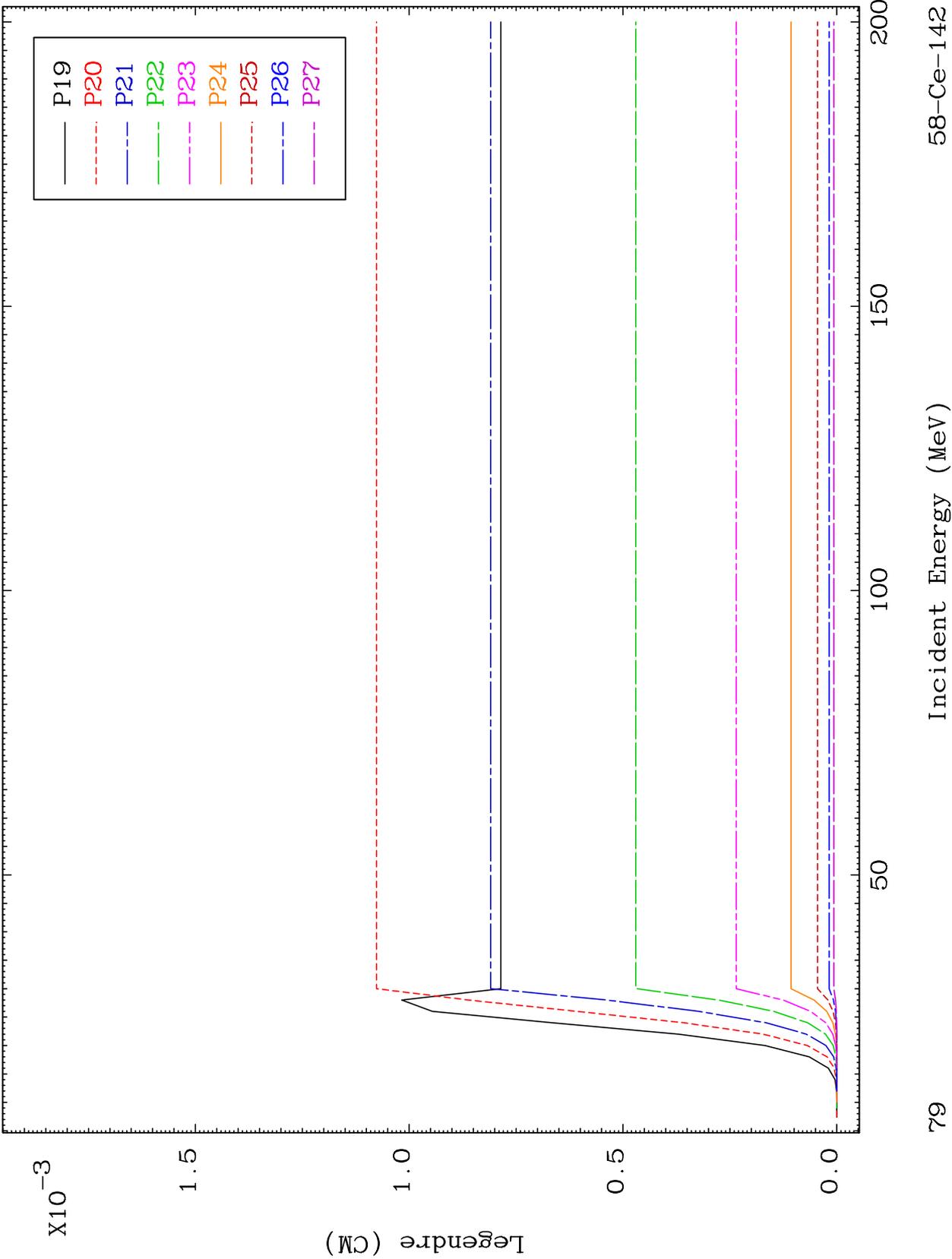
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



79

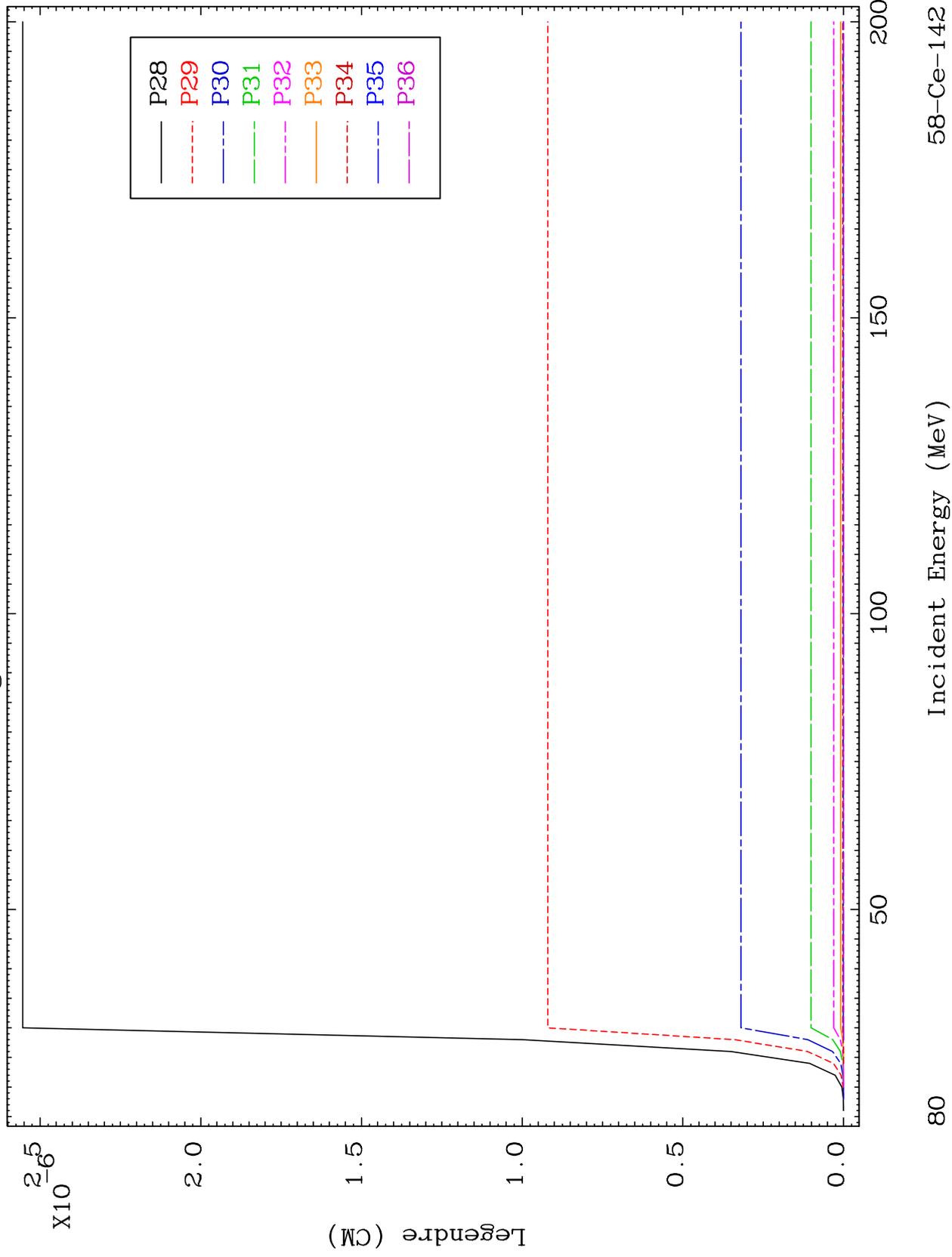
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

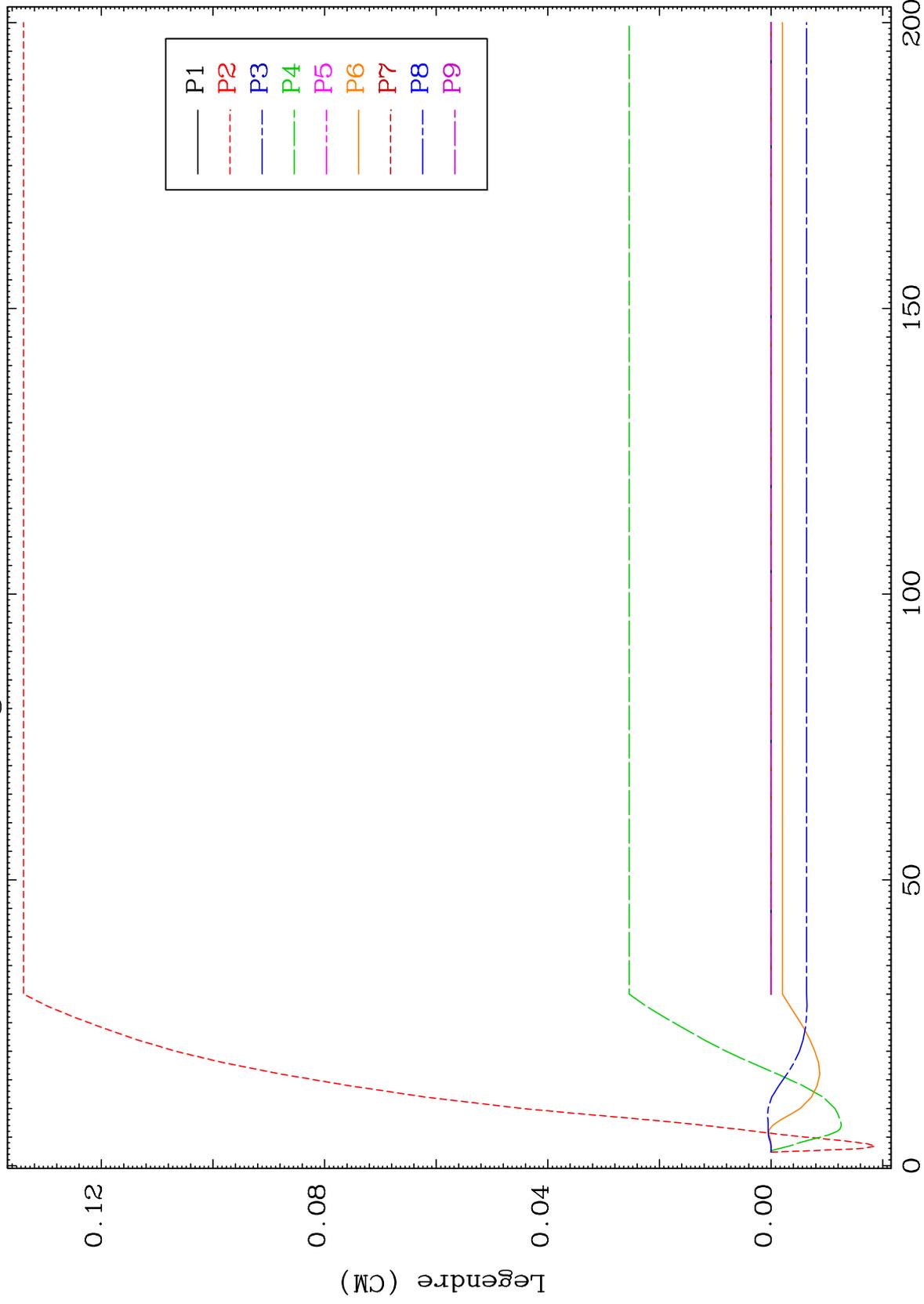
58-Ce-142



MAT 5843

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

58-Ce-142



81

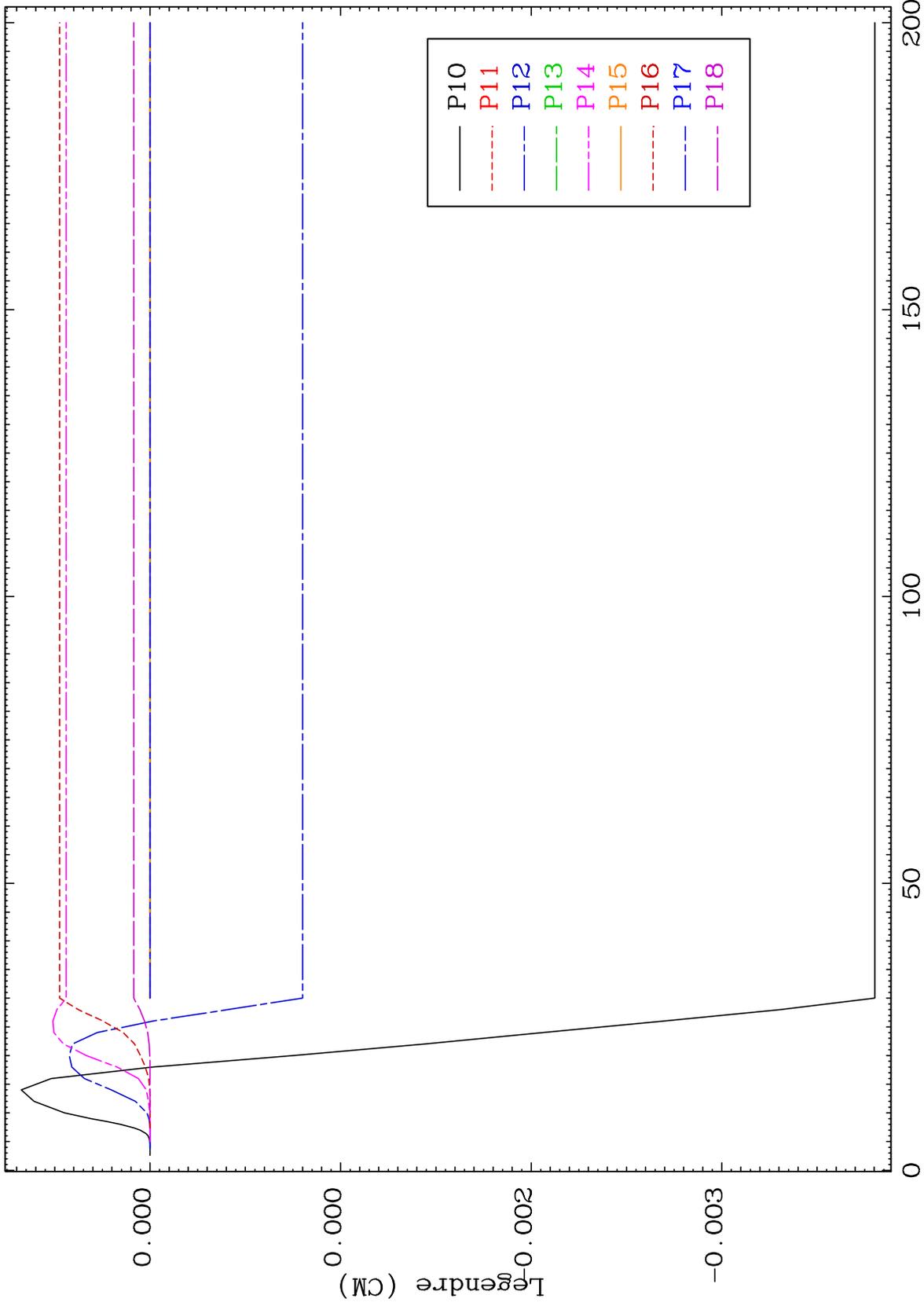
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



82

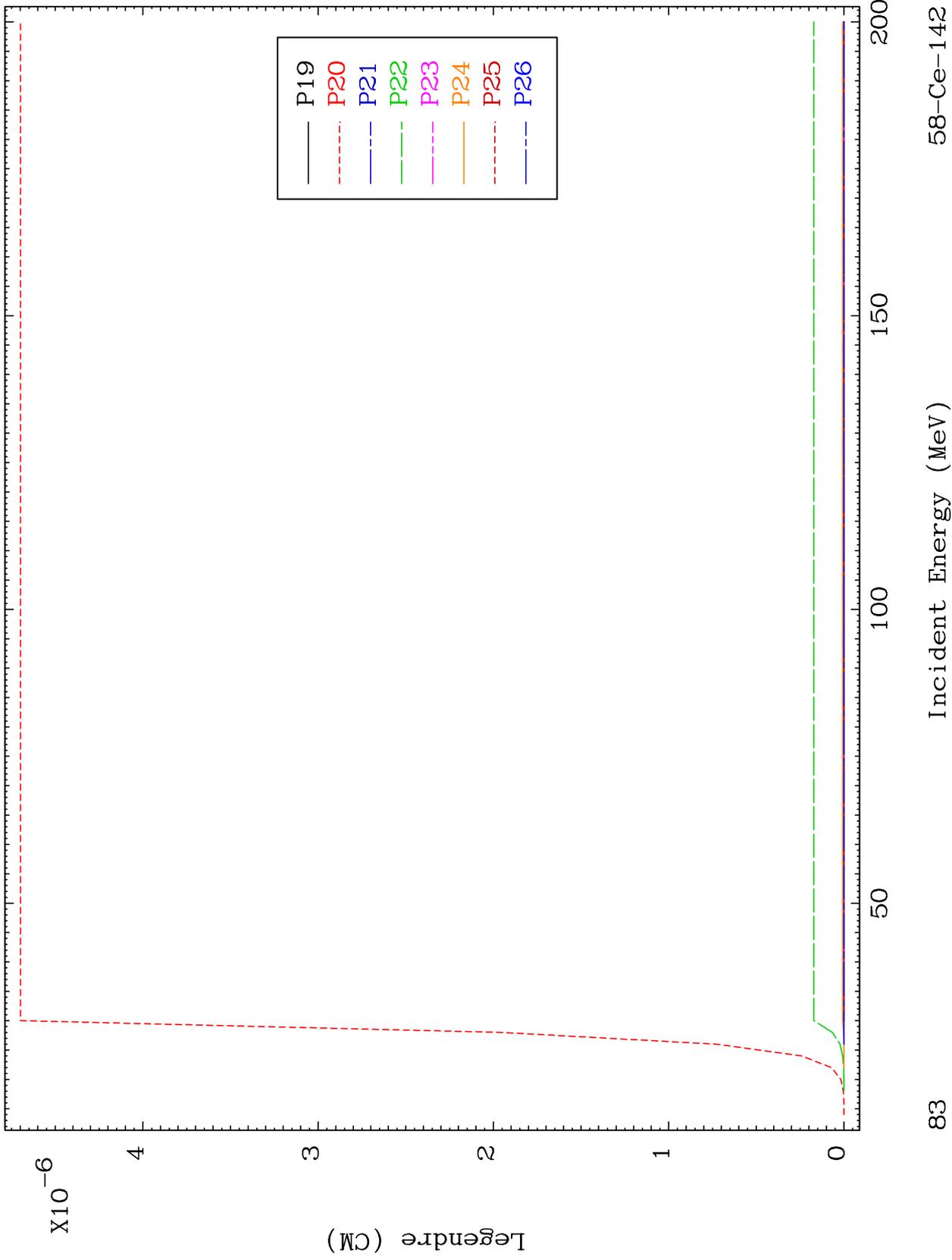
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



83

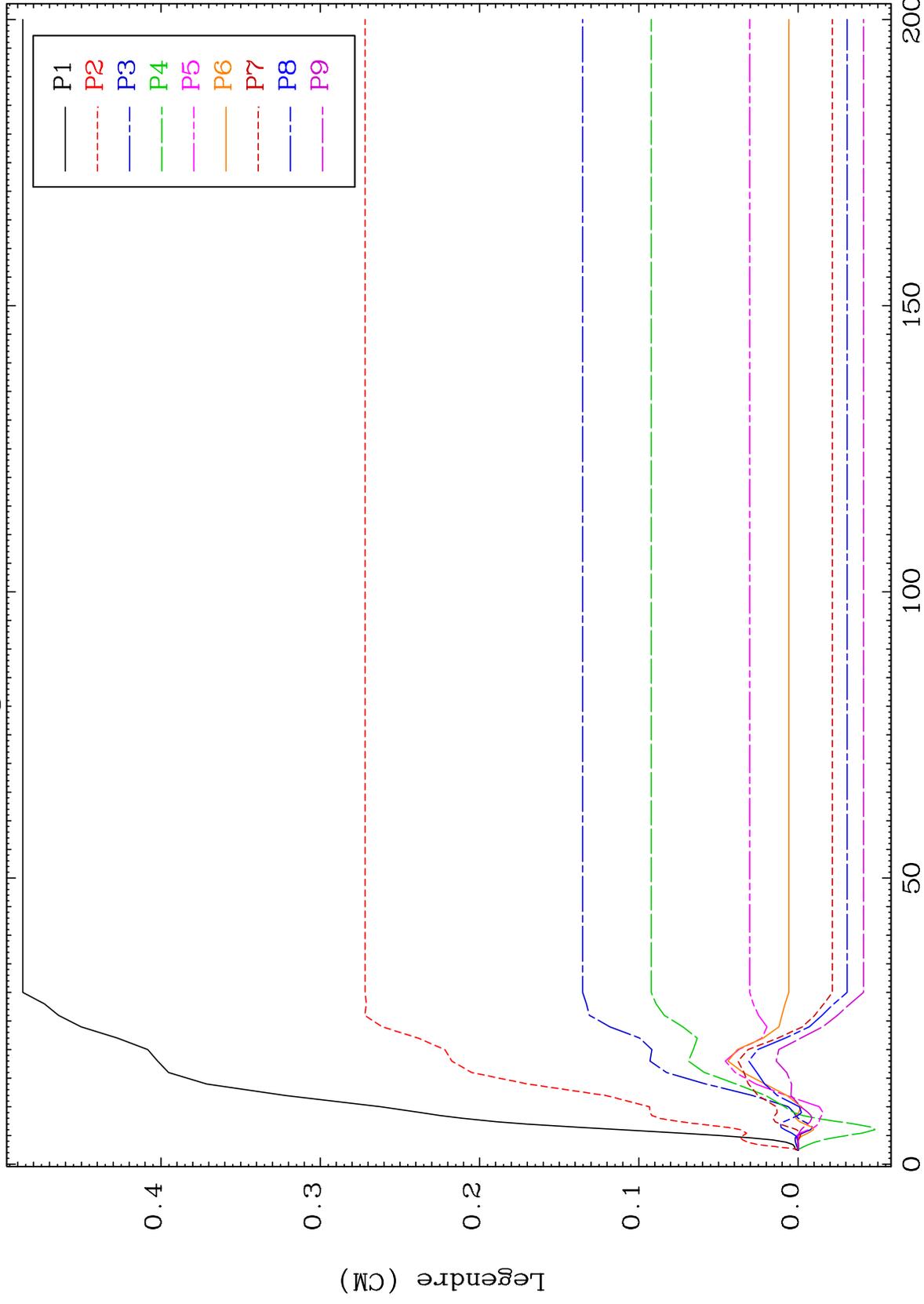
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



84

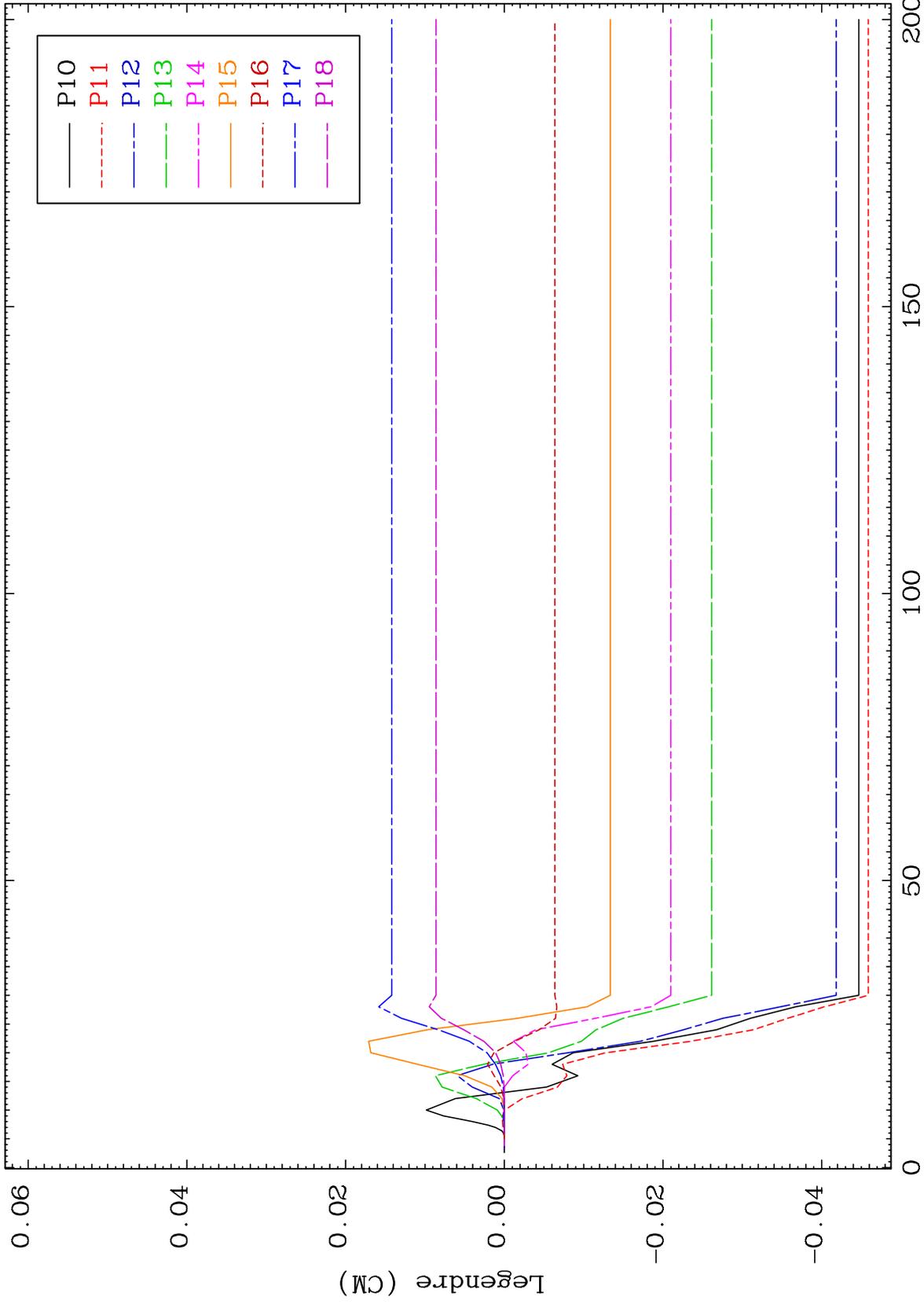
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



85

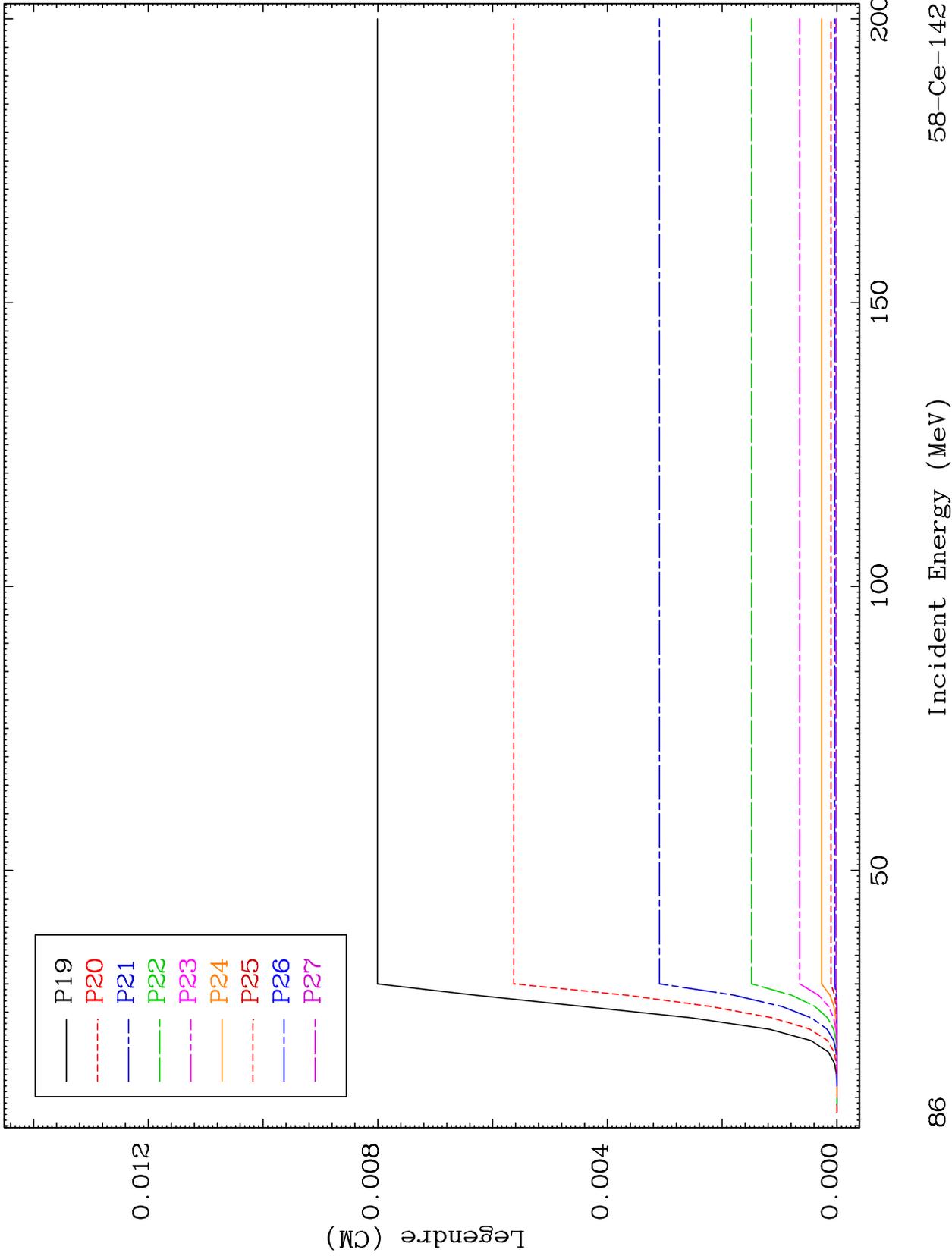
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



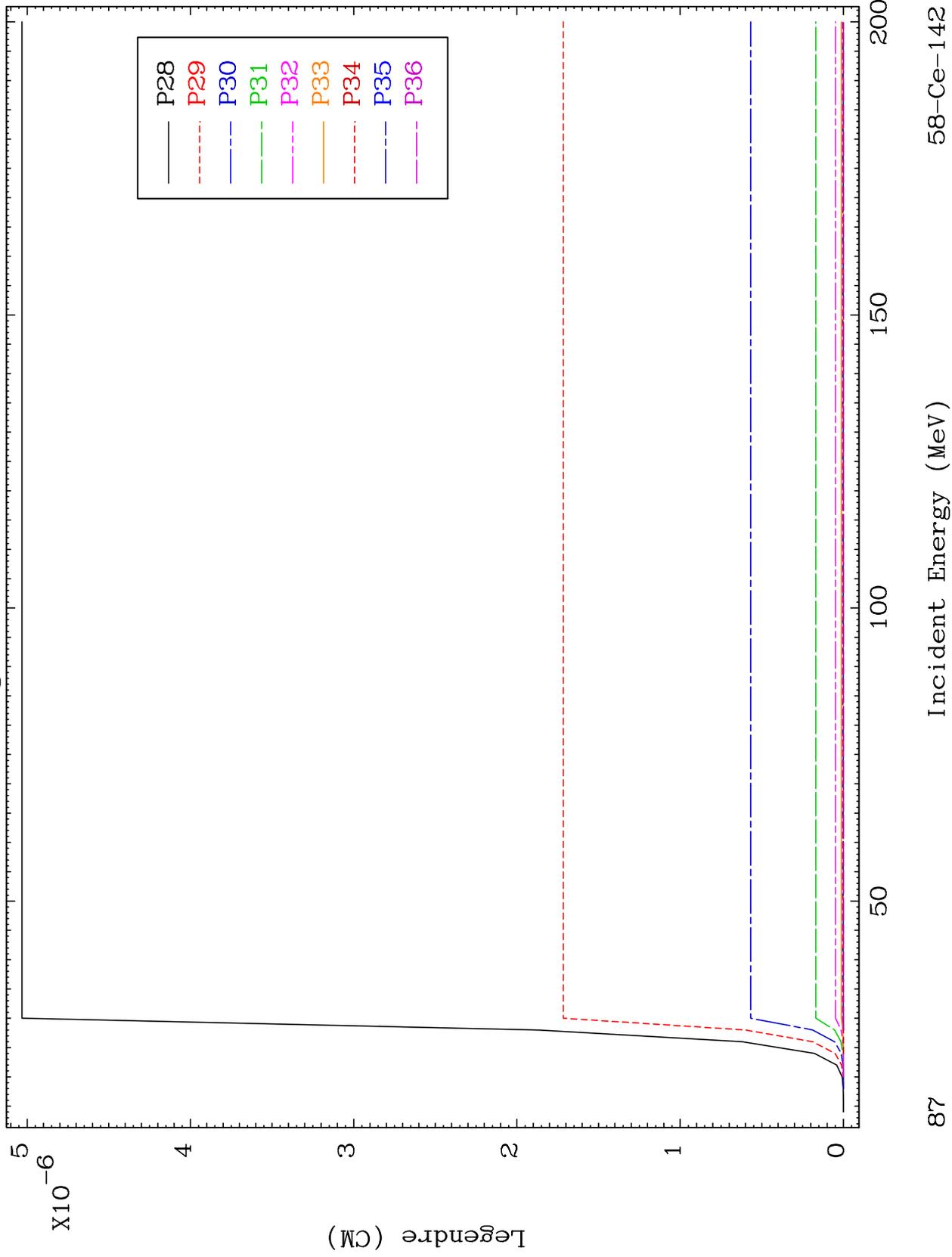
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58-Ce-142

MAT 5843

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

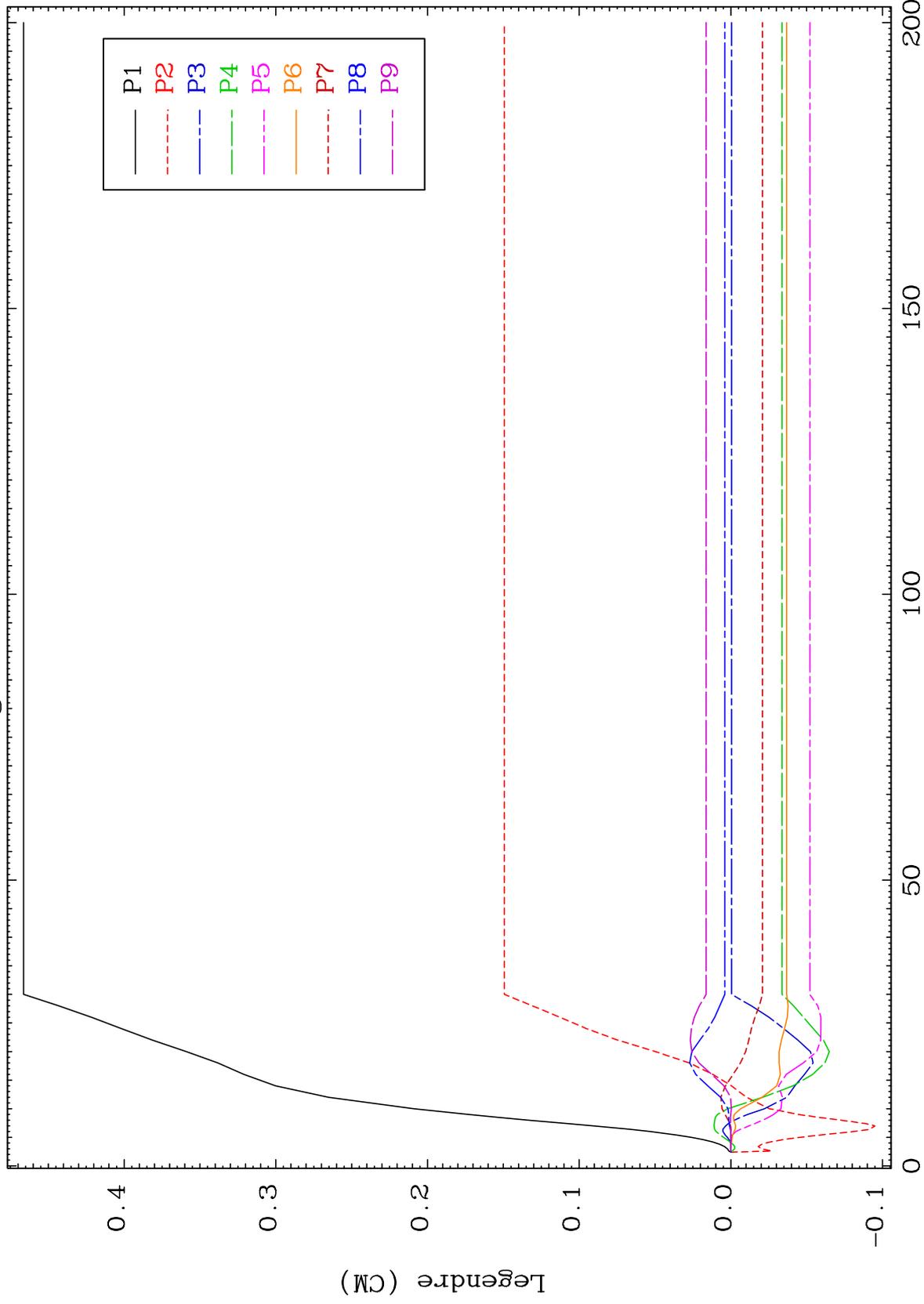
58-Ce-142



MAT 5843

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

58-Ce-142



88

Incident Energy (MeV)

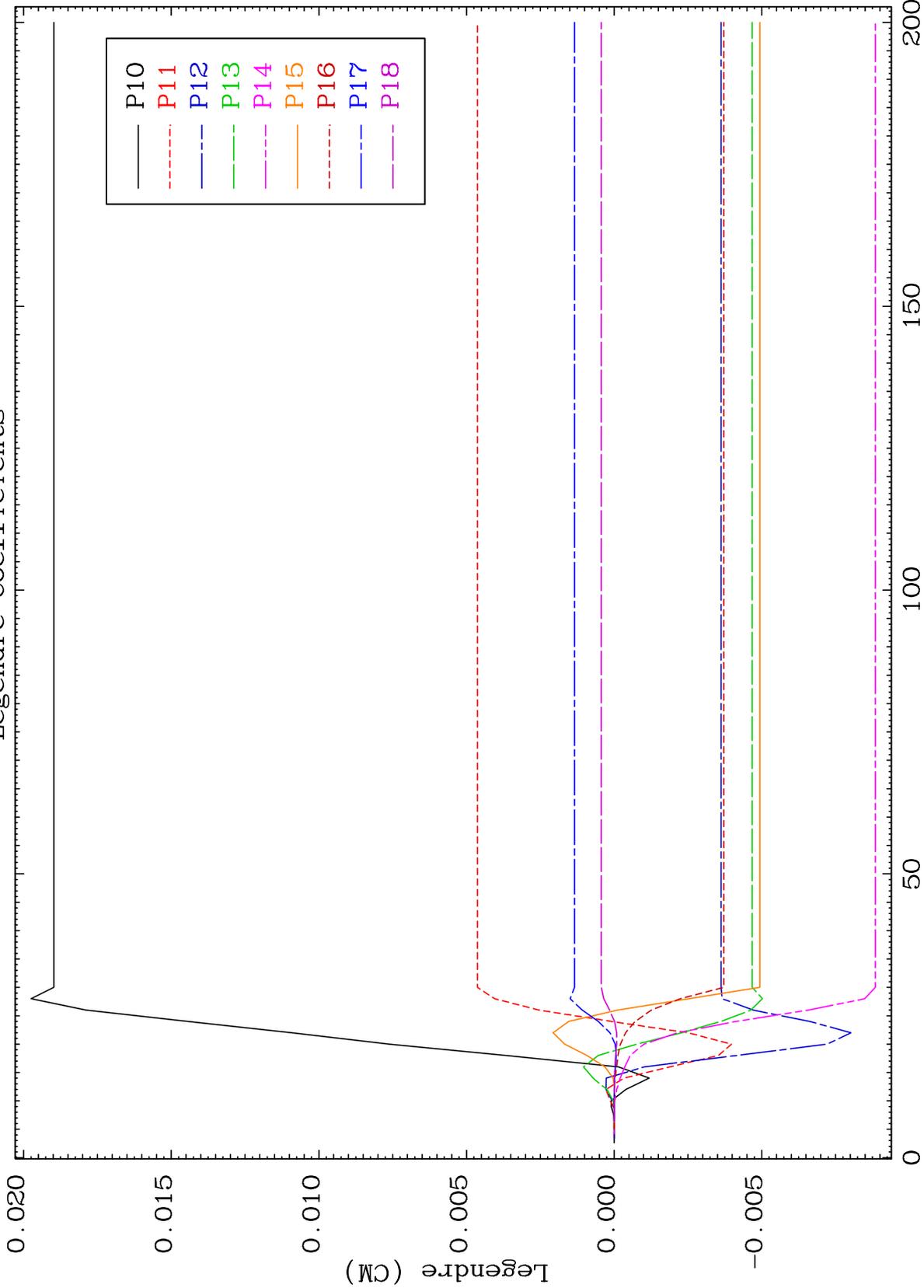
58-Ce-142

MAT 5843

MT= 69 (n,n') Level

58-Ce-142

Legendre Coefficients



89

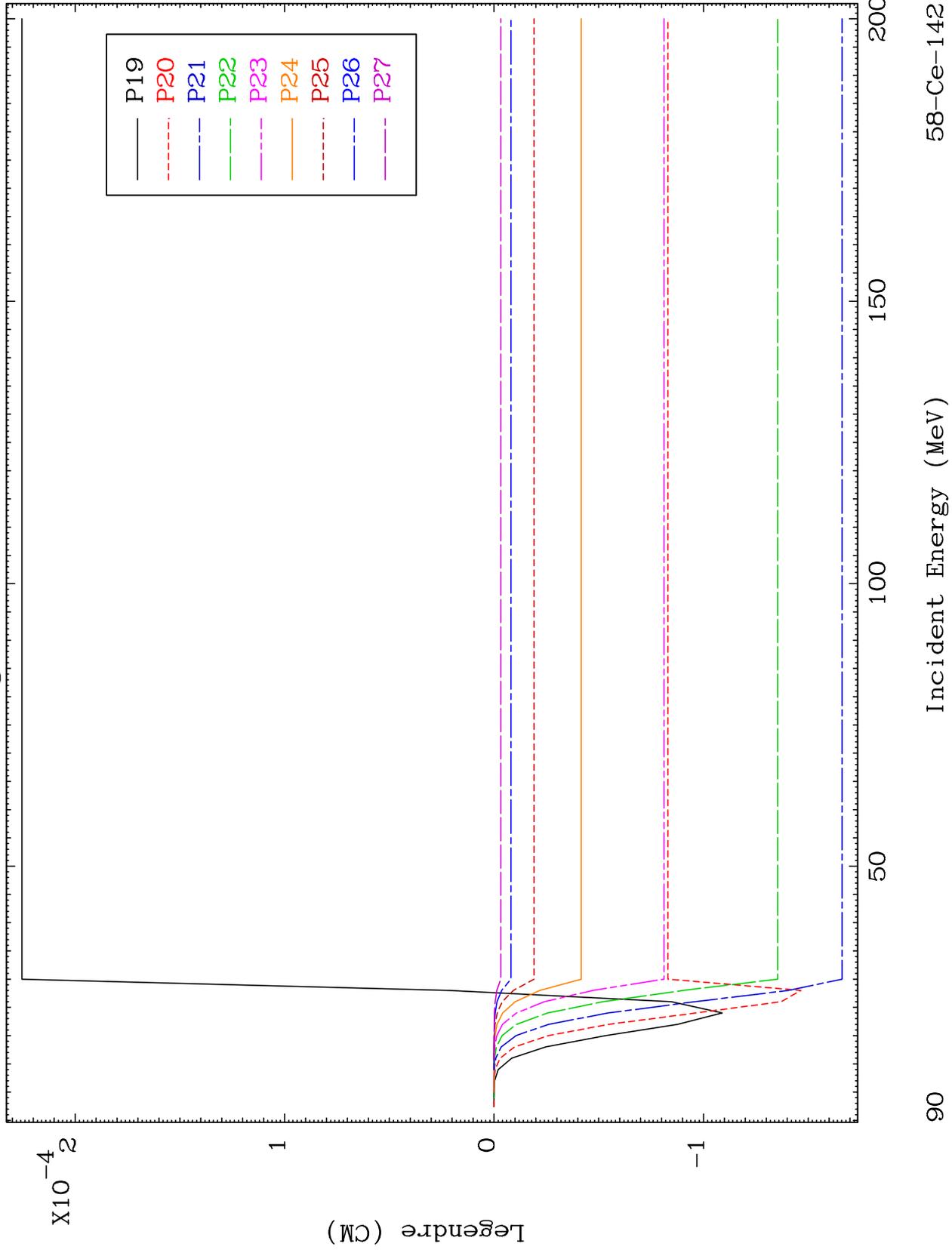
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



90

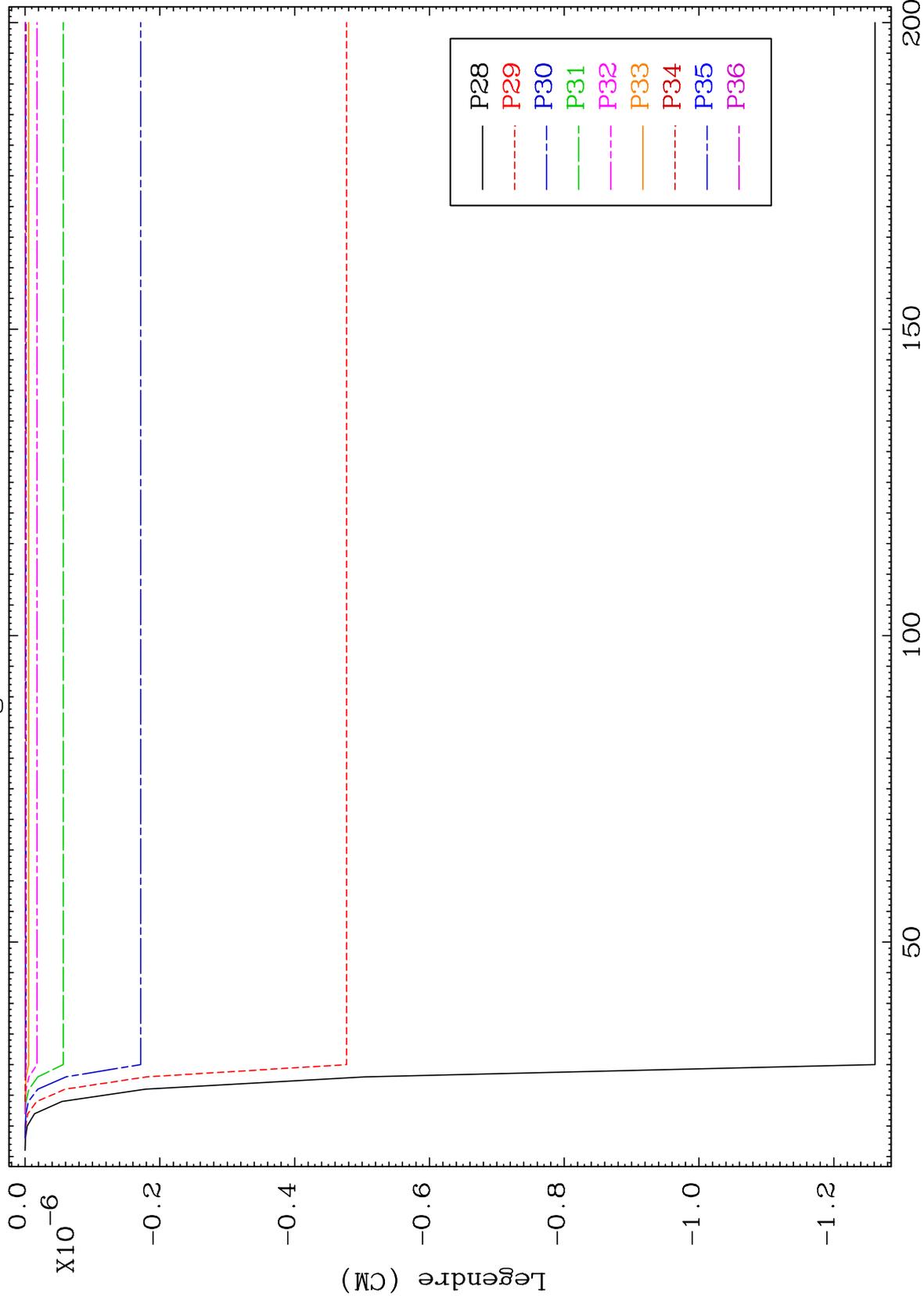
Incident Energy (MeV)

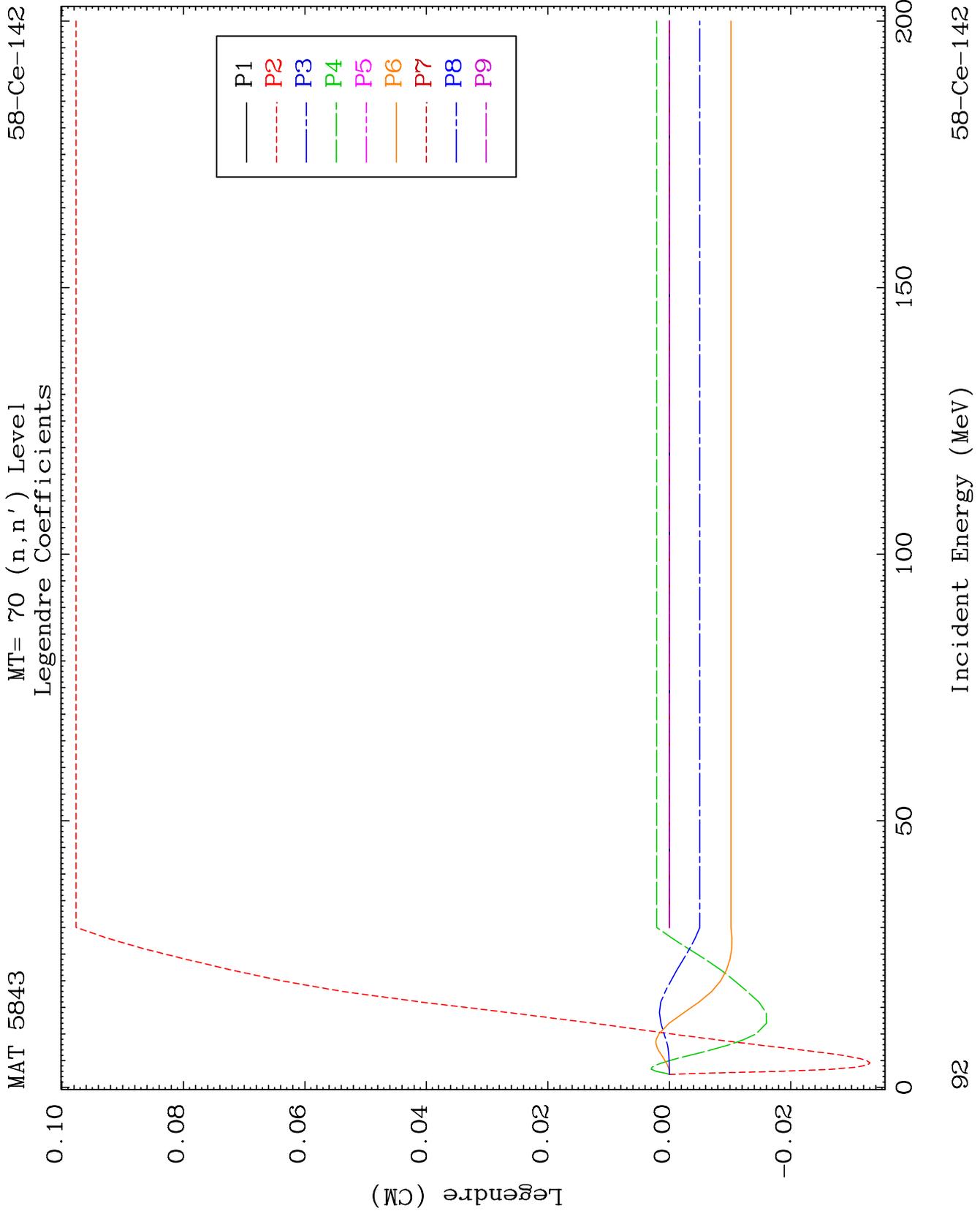
58-Ce-142

MAT 5843

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

58-Ce-142

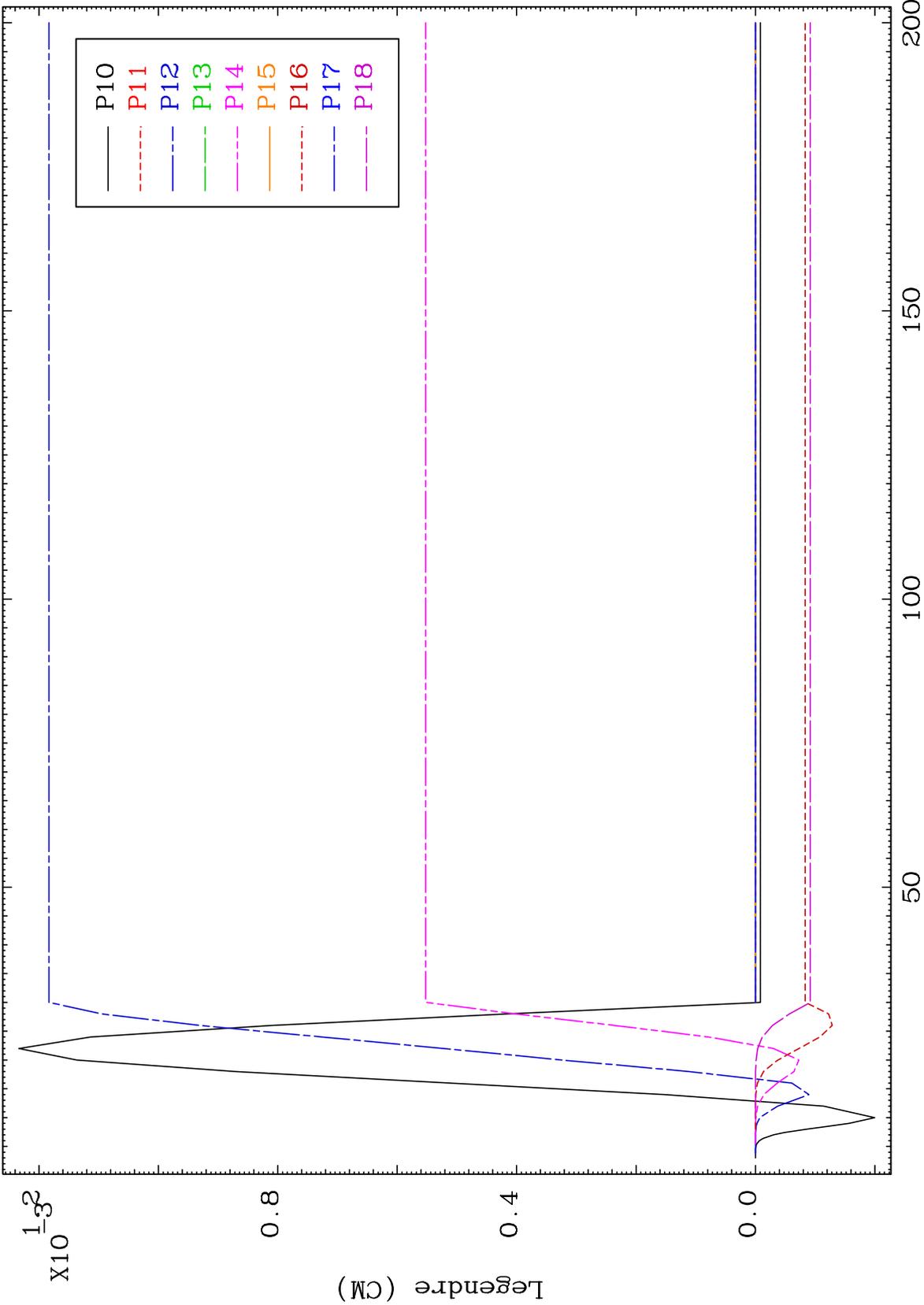




MAT 5843

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

58-Ce-142



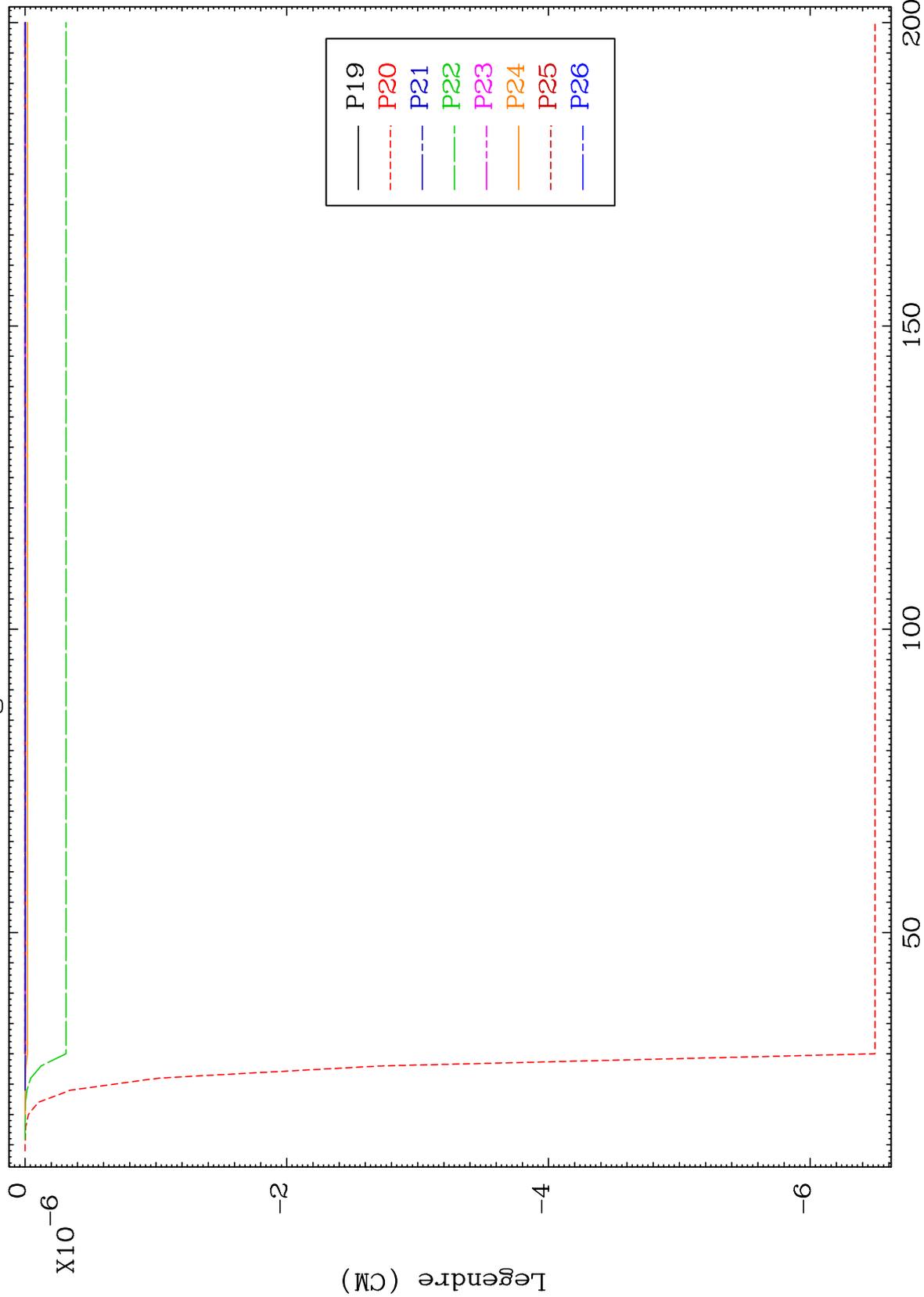
93

58-Ce-142

MAT 5843

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

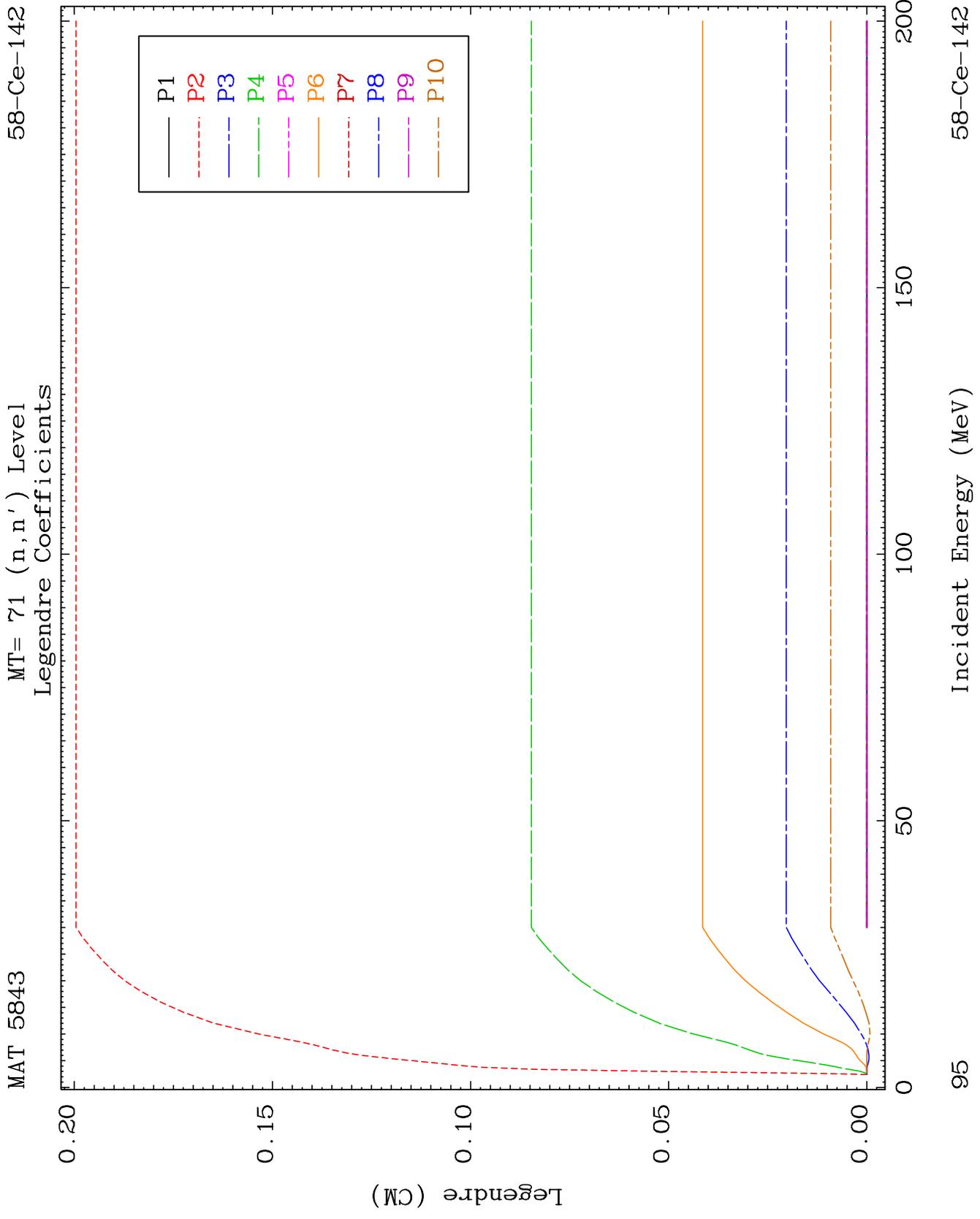
58-Ce-142



58-Ce-142

Incident Energy (MeV)

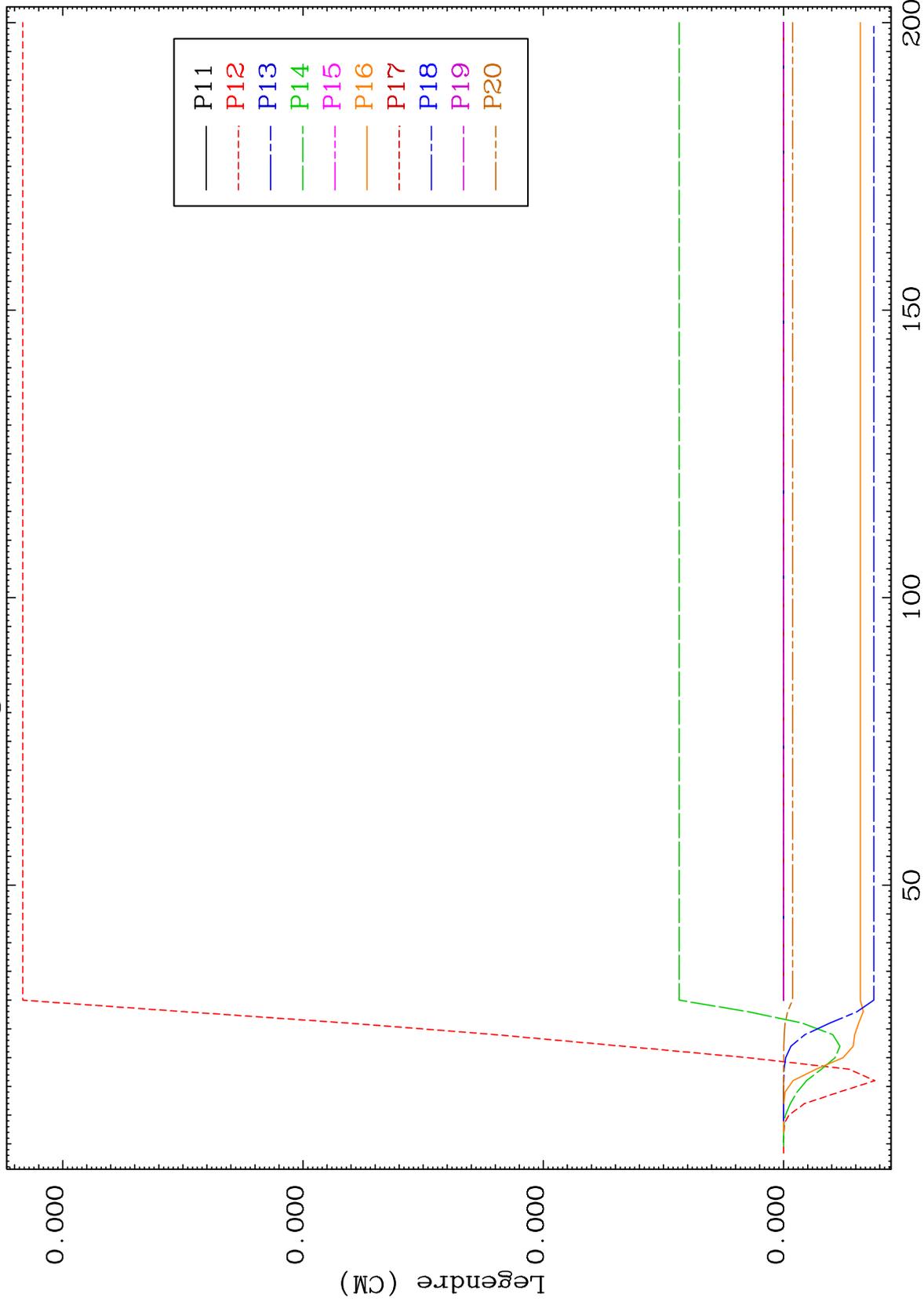
94



MAT 5843

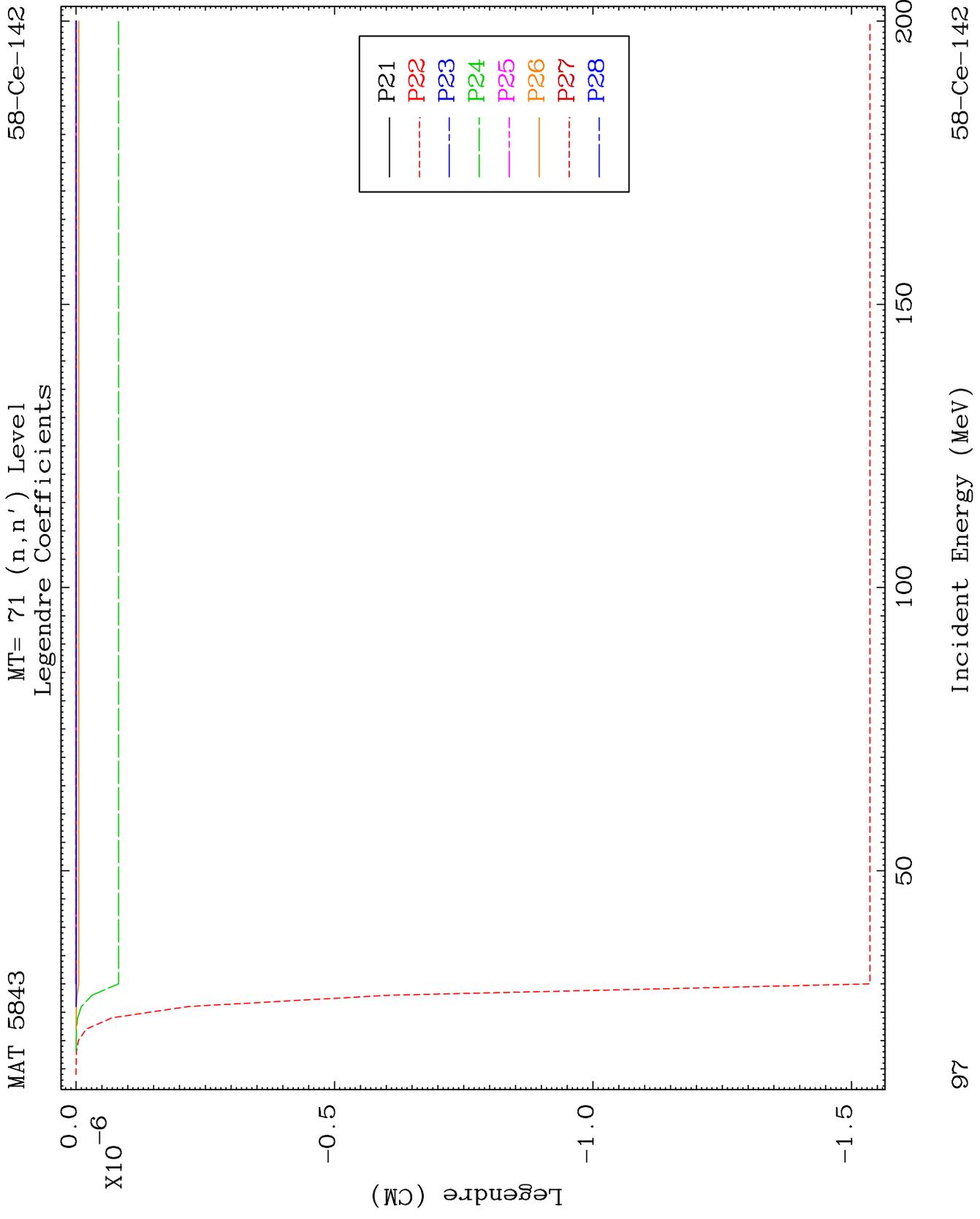
MT= 71 (n,n') Level  
Legendre Coefficients

58-Ce-142



96

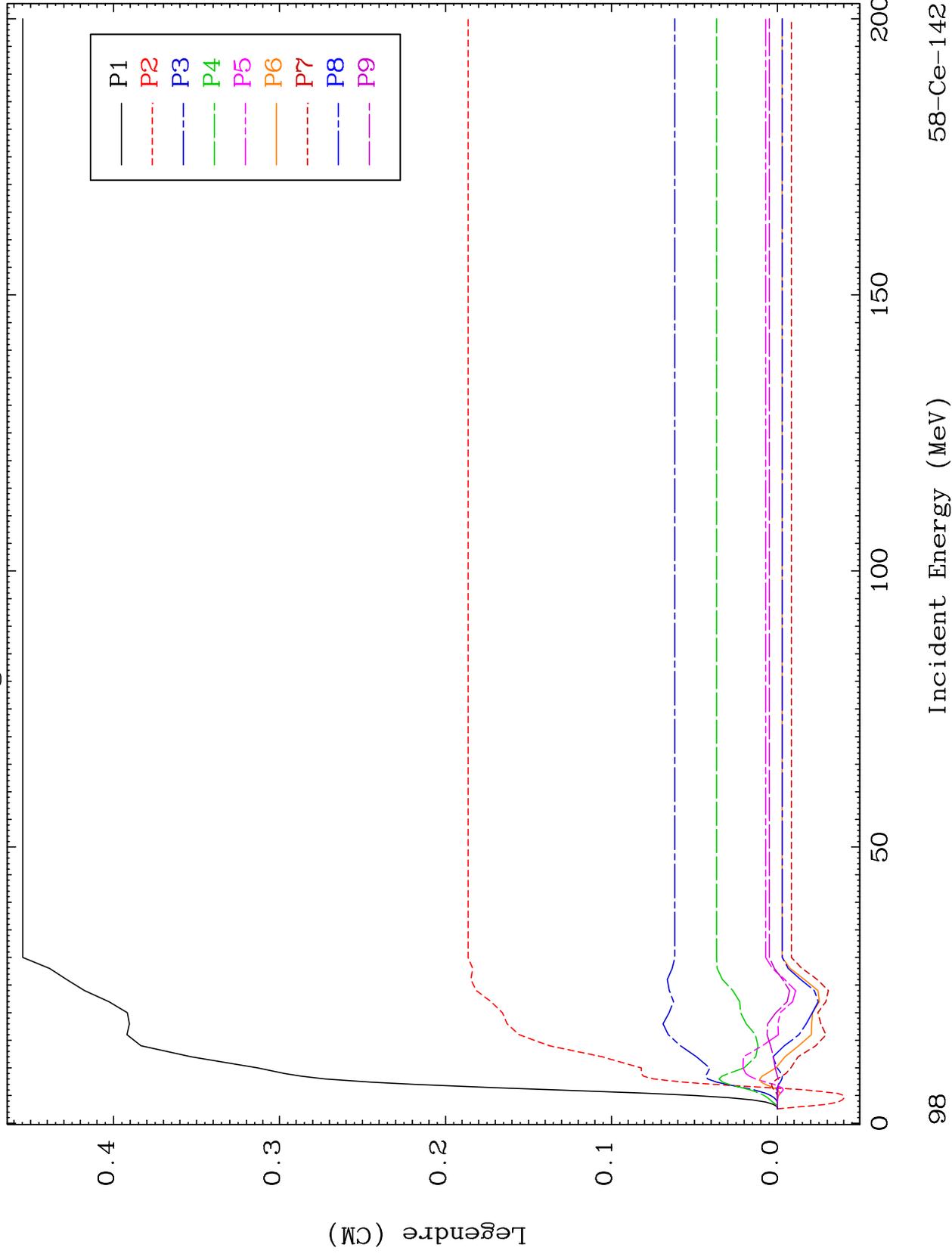
58-Ce-142



MAT 5843

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

58-Ce-142



58-Ce-142

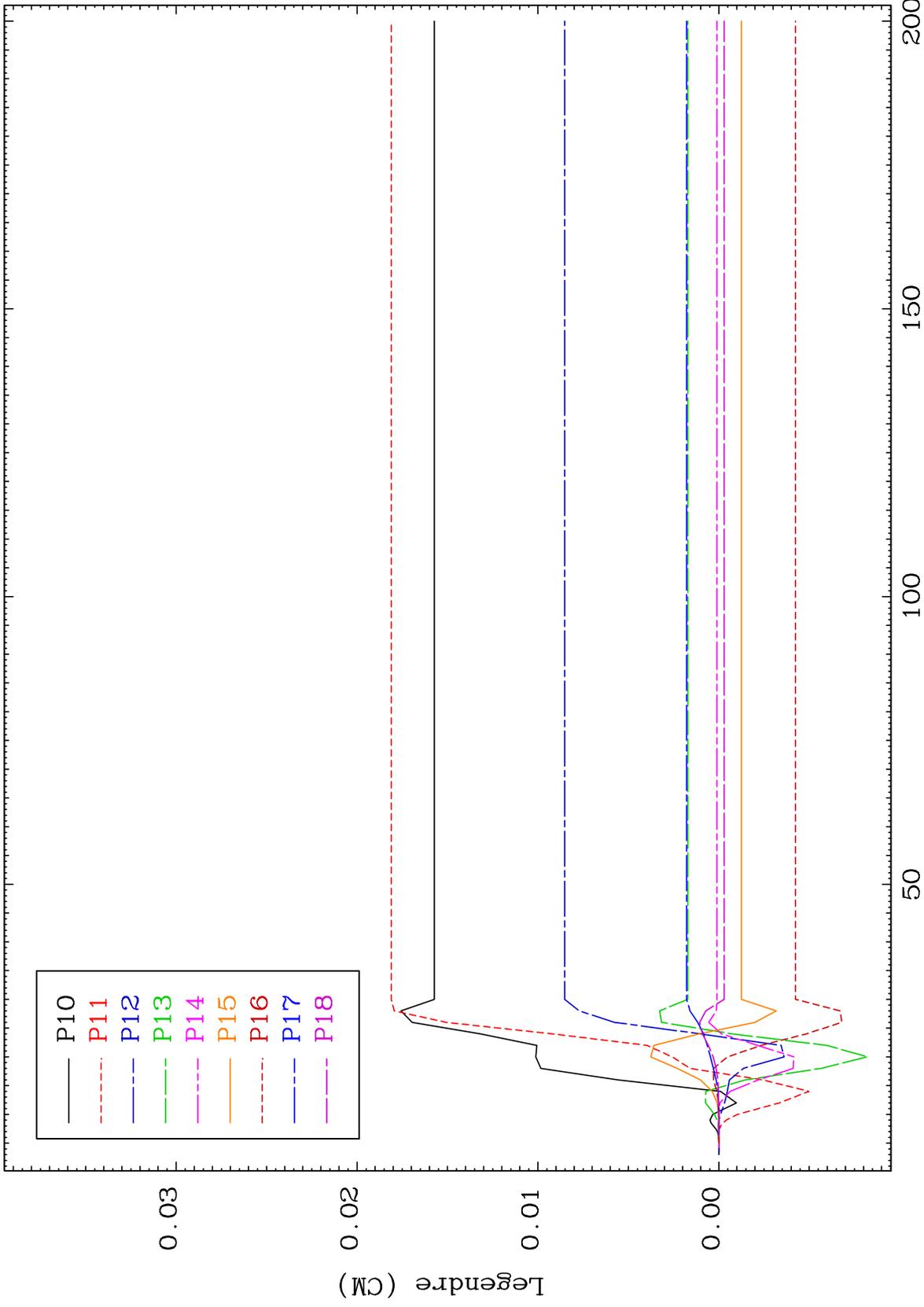
Incident Energy (MeV)

98

MAT 5843

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

58-Ce-142



99

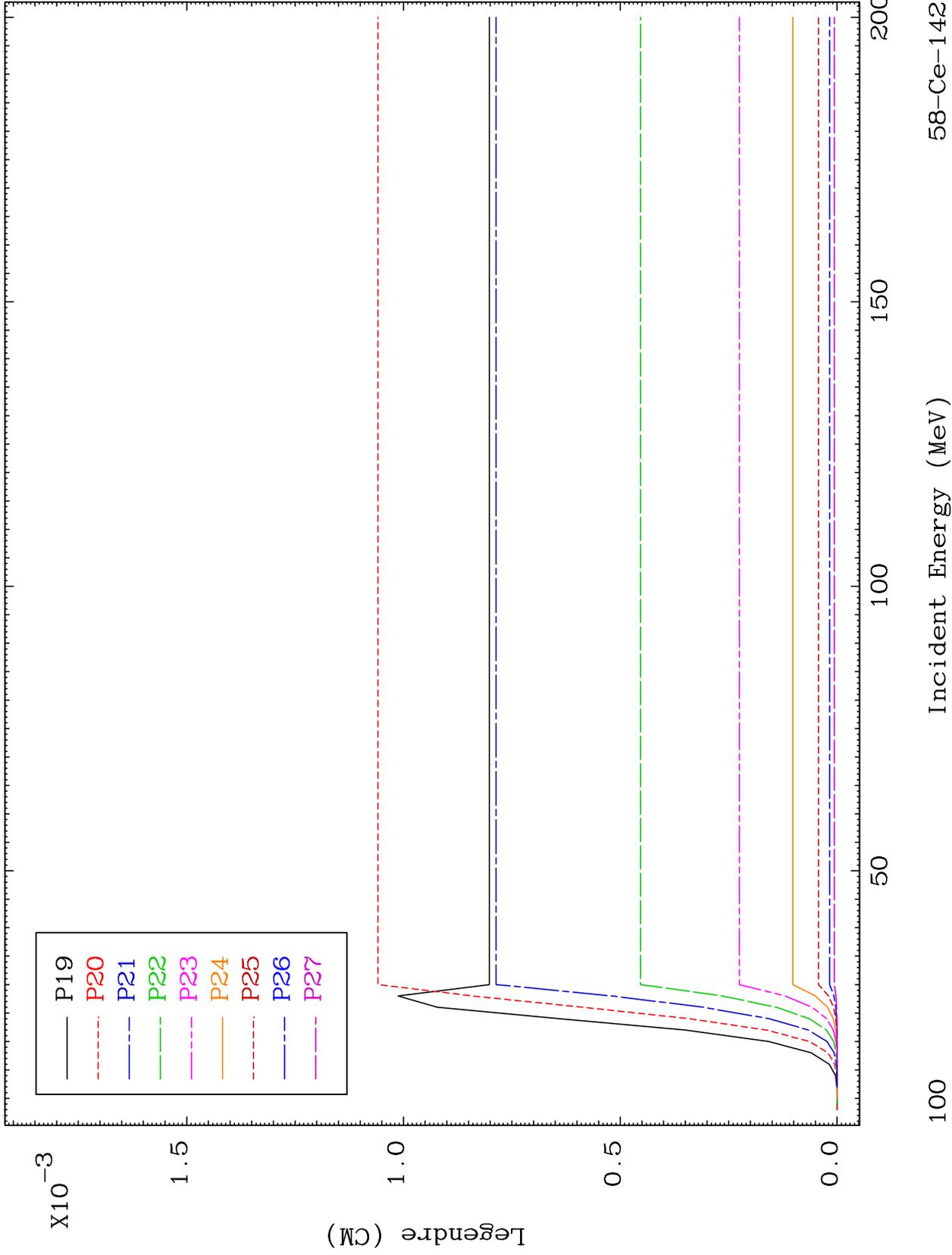
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

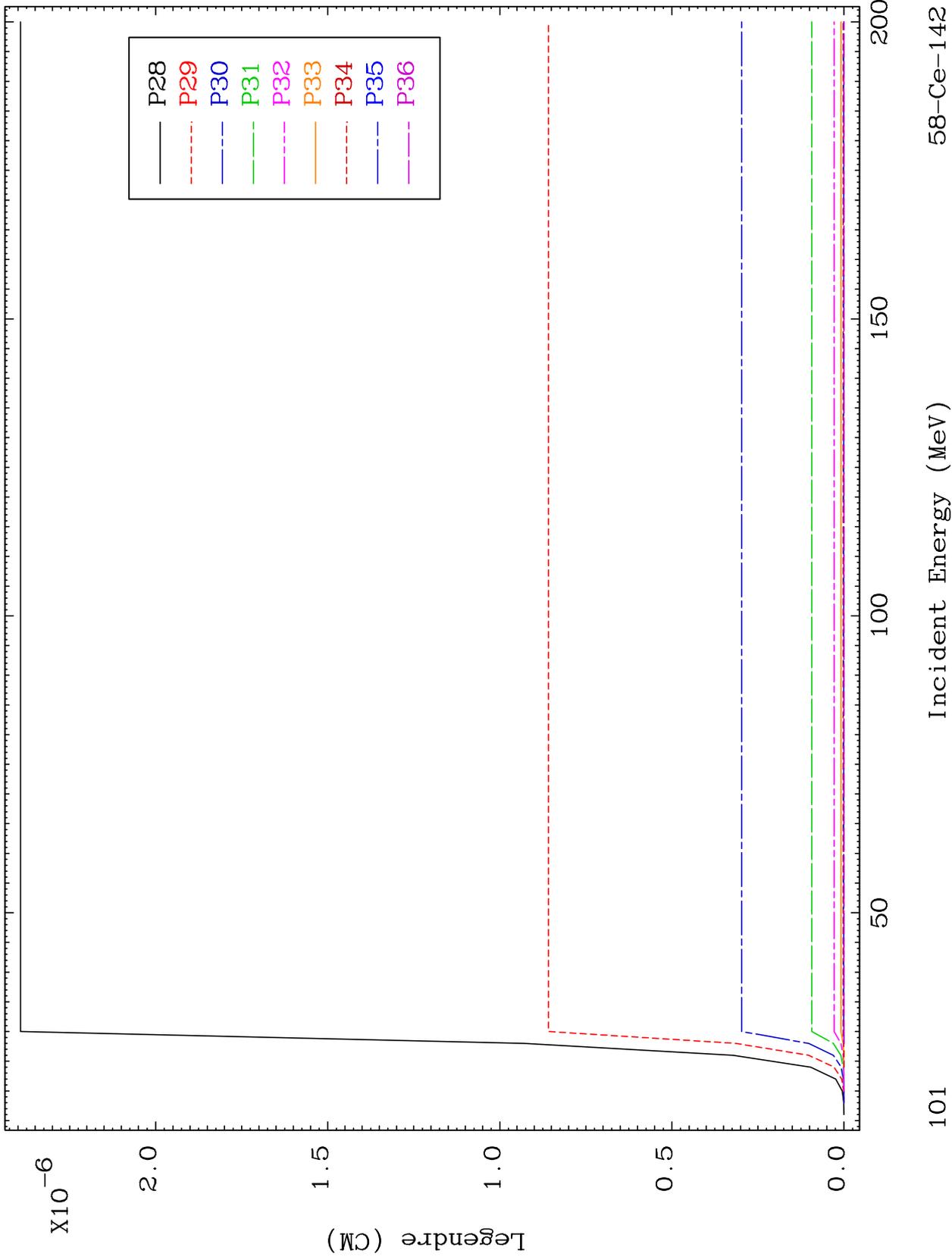
58-Ce-142



MAT 5843

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

58-Ce-142



101

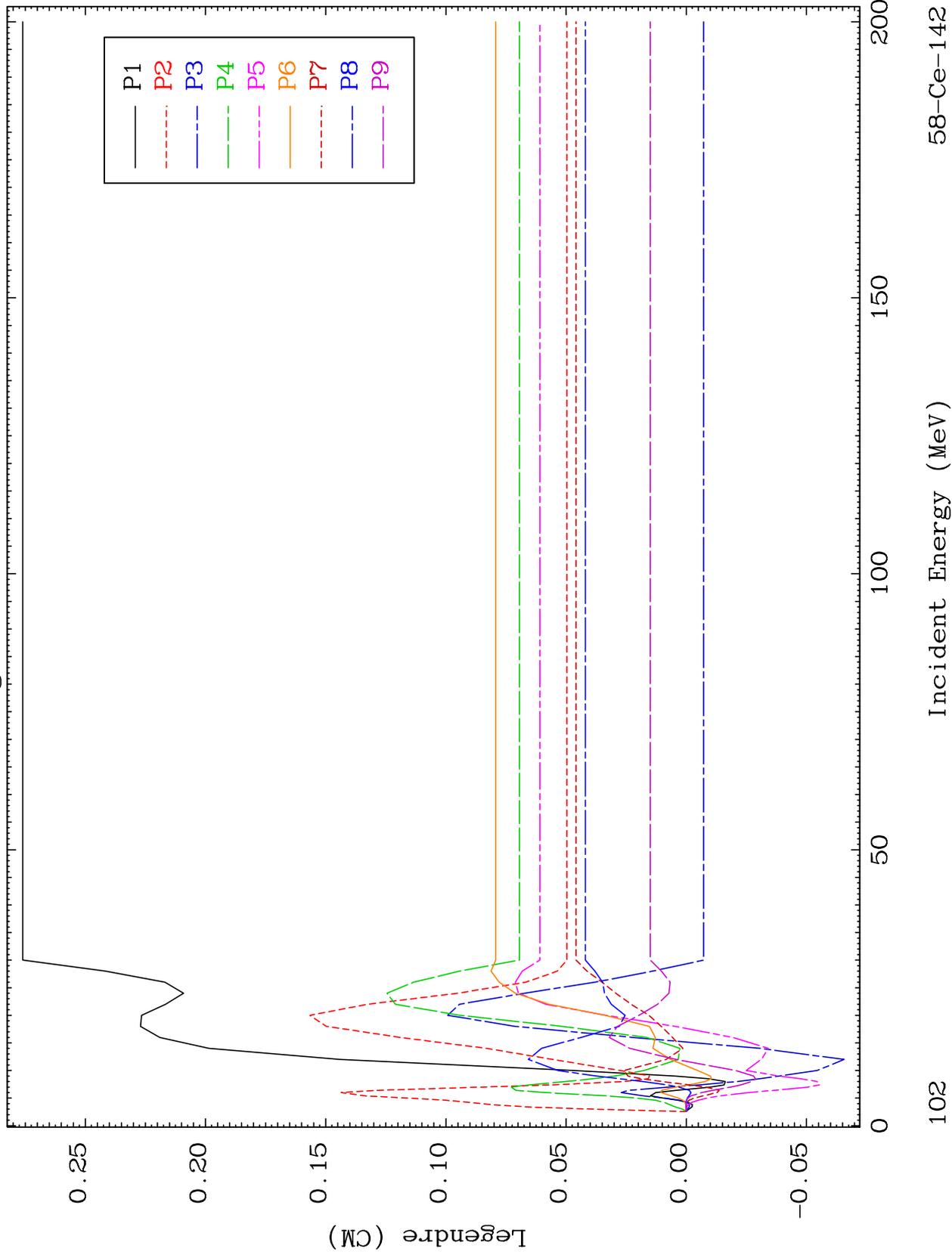
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

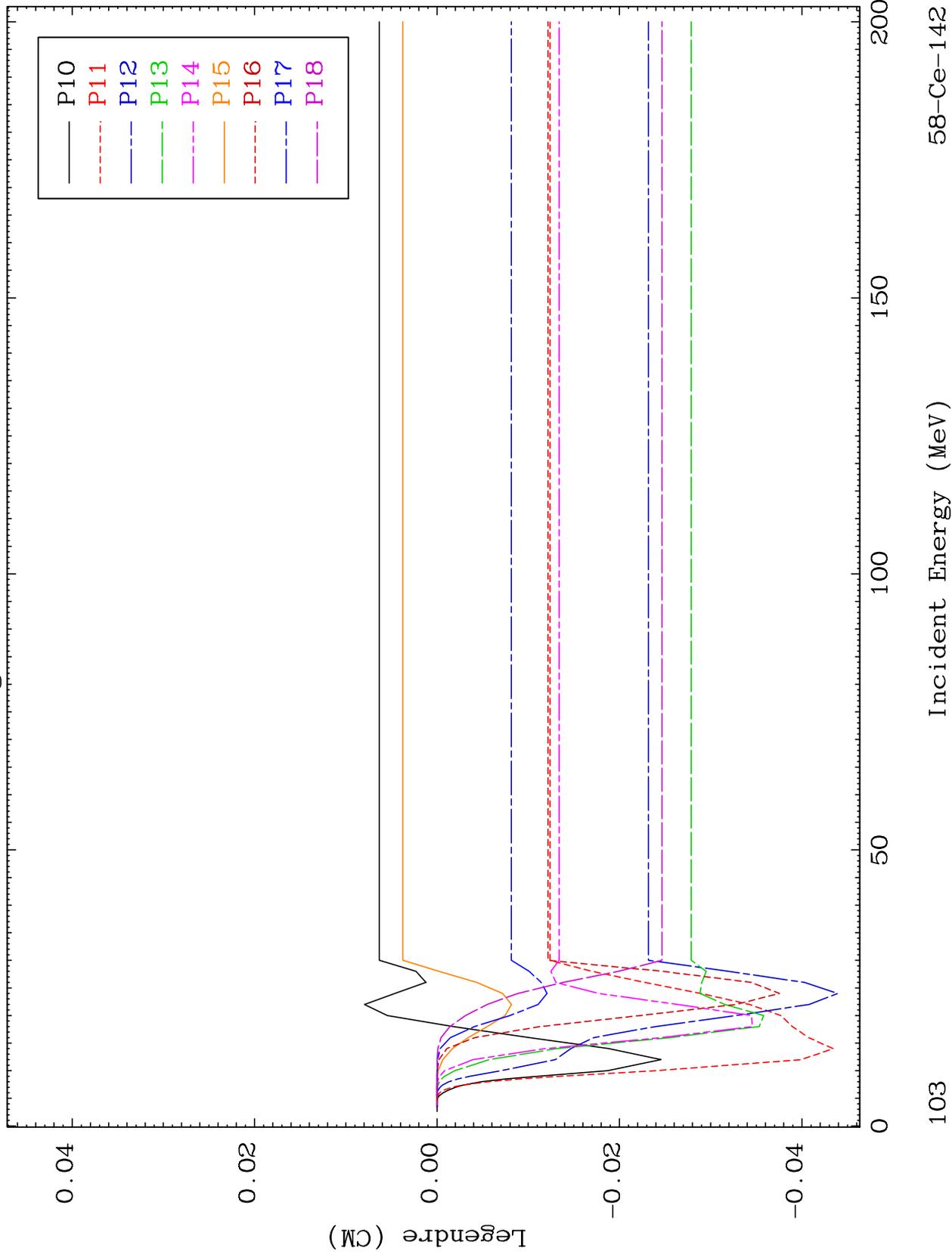
Incident Energy (MeV)

102

MAT 5843

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

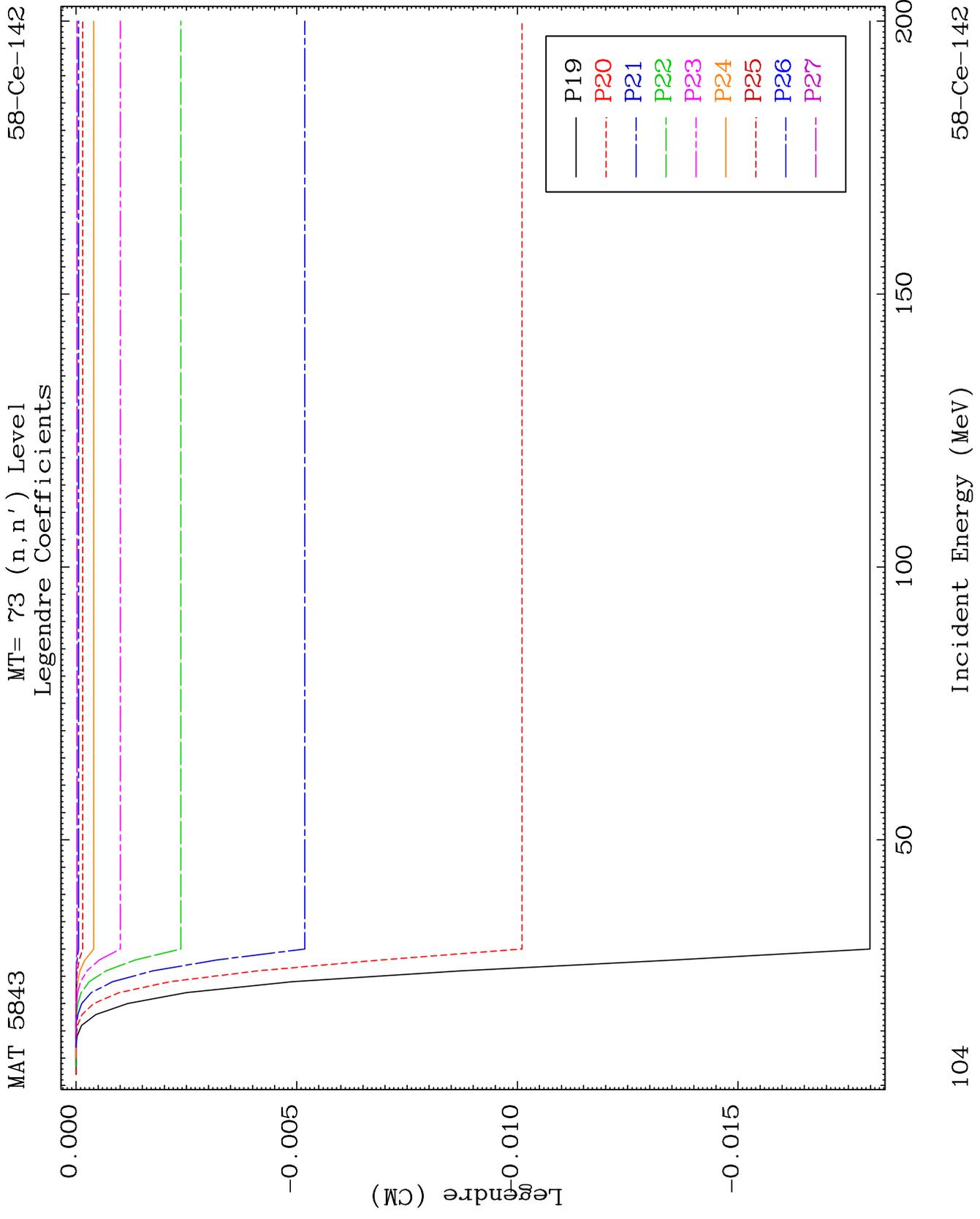
58-Ce-142

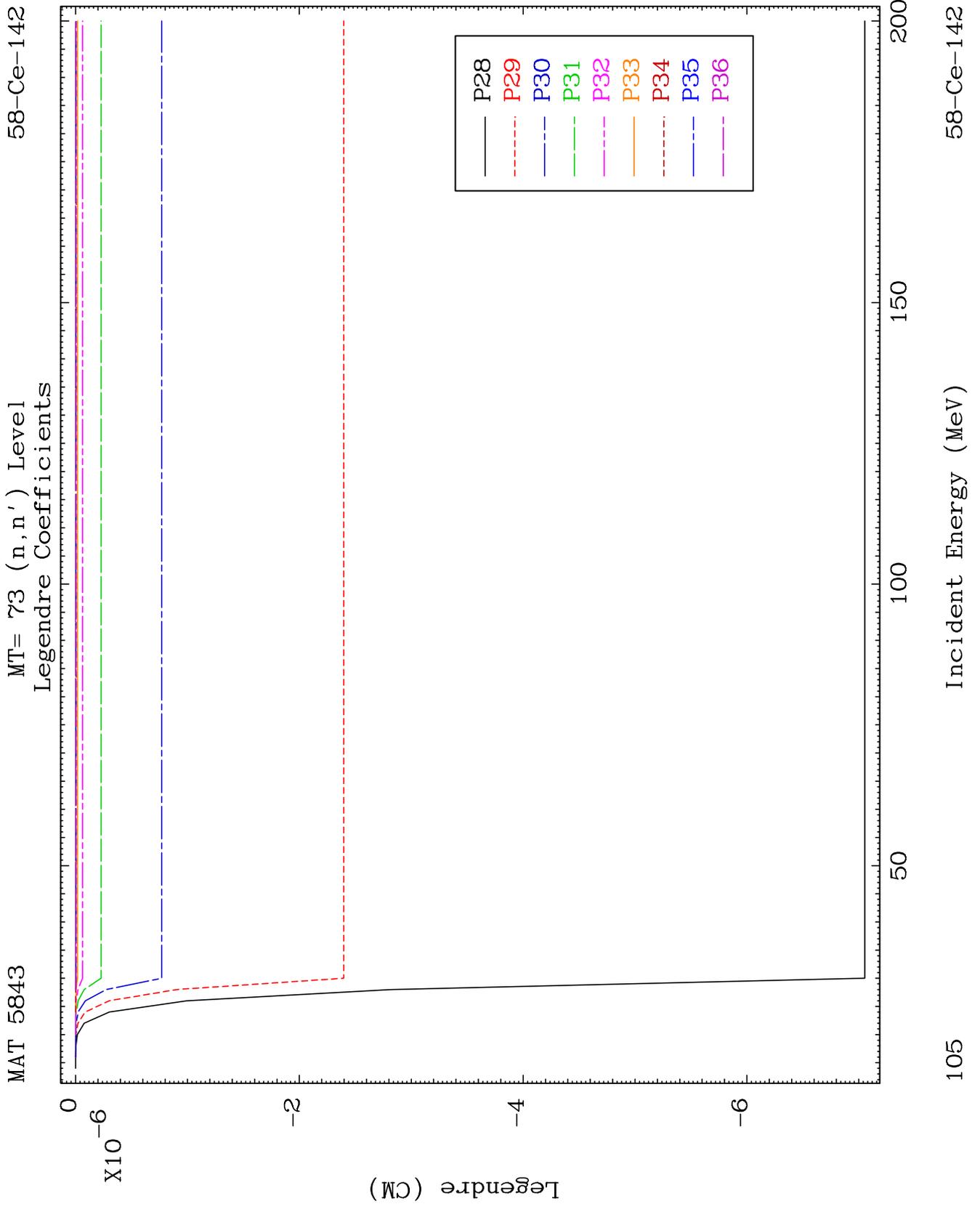


58-Ce-142

Incident Energy (MeV)

103

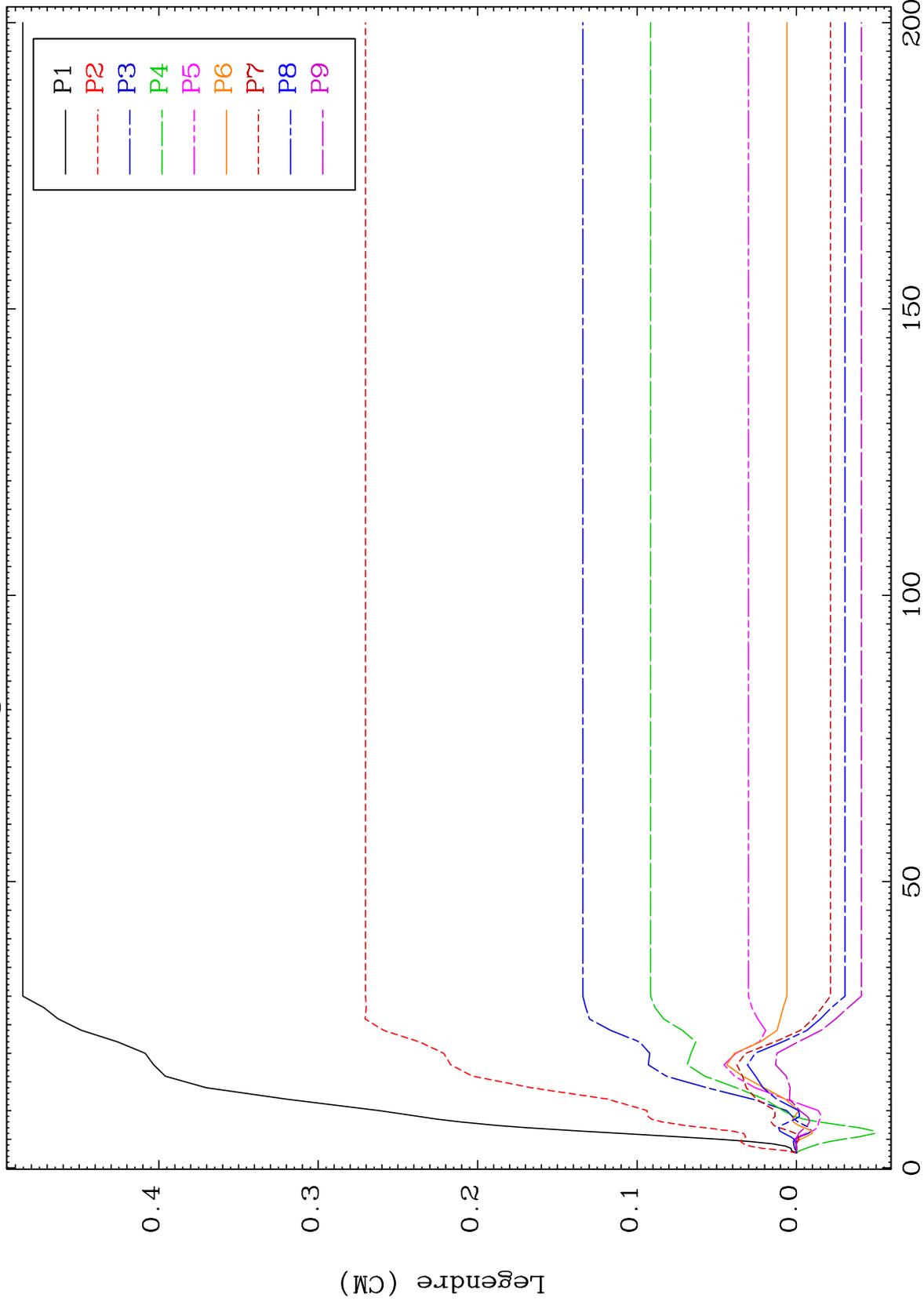




MAT 5843

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

58-Ce-142



58-Ce-142

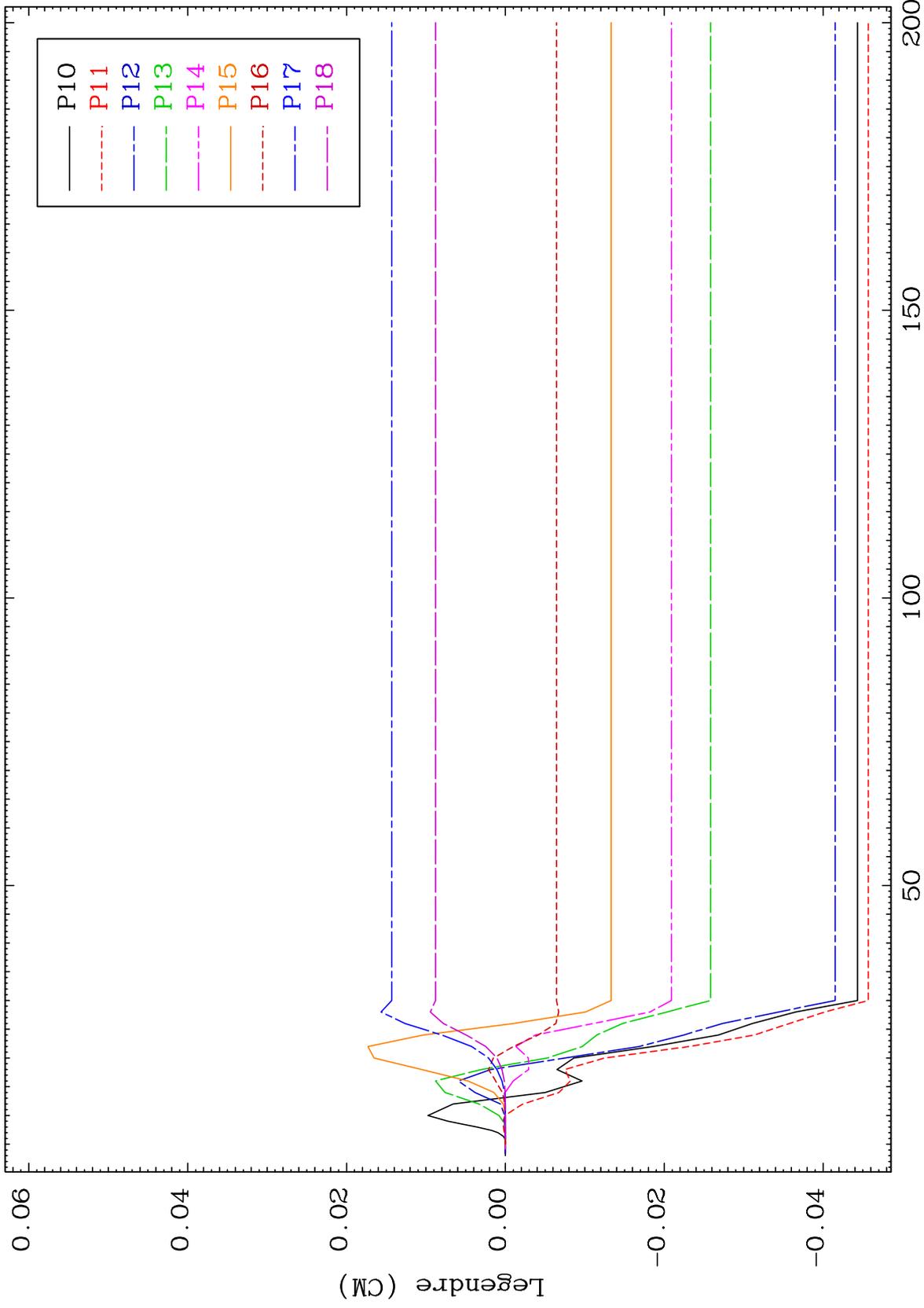
Incident Energy (MeV)

106

MAT 5843

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

58-Ce-142



107

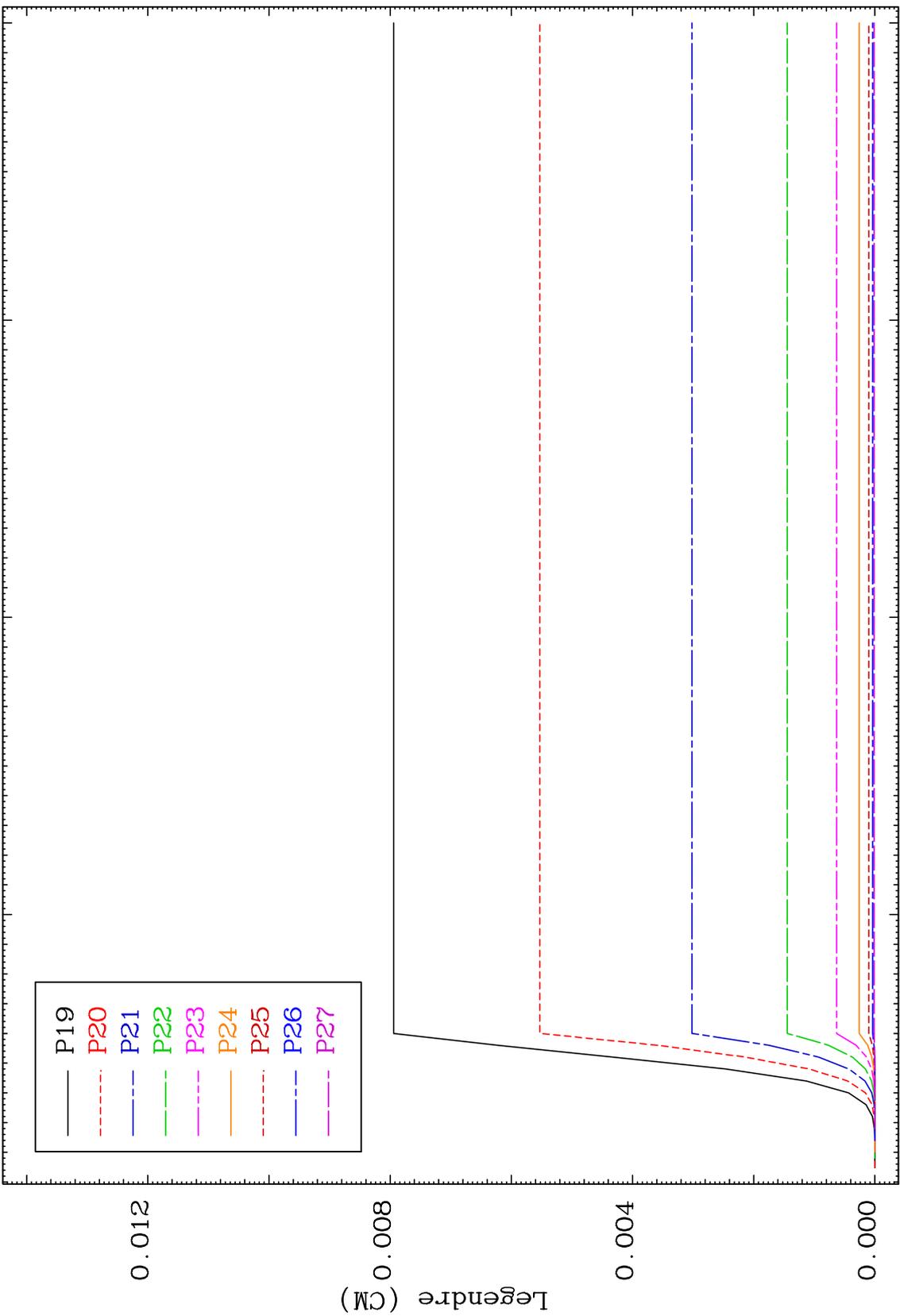
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



108

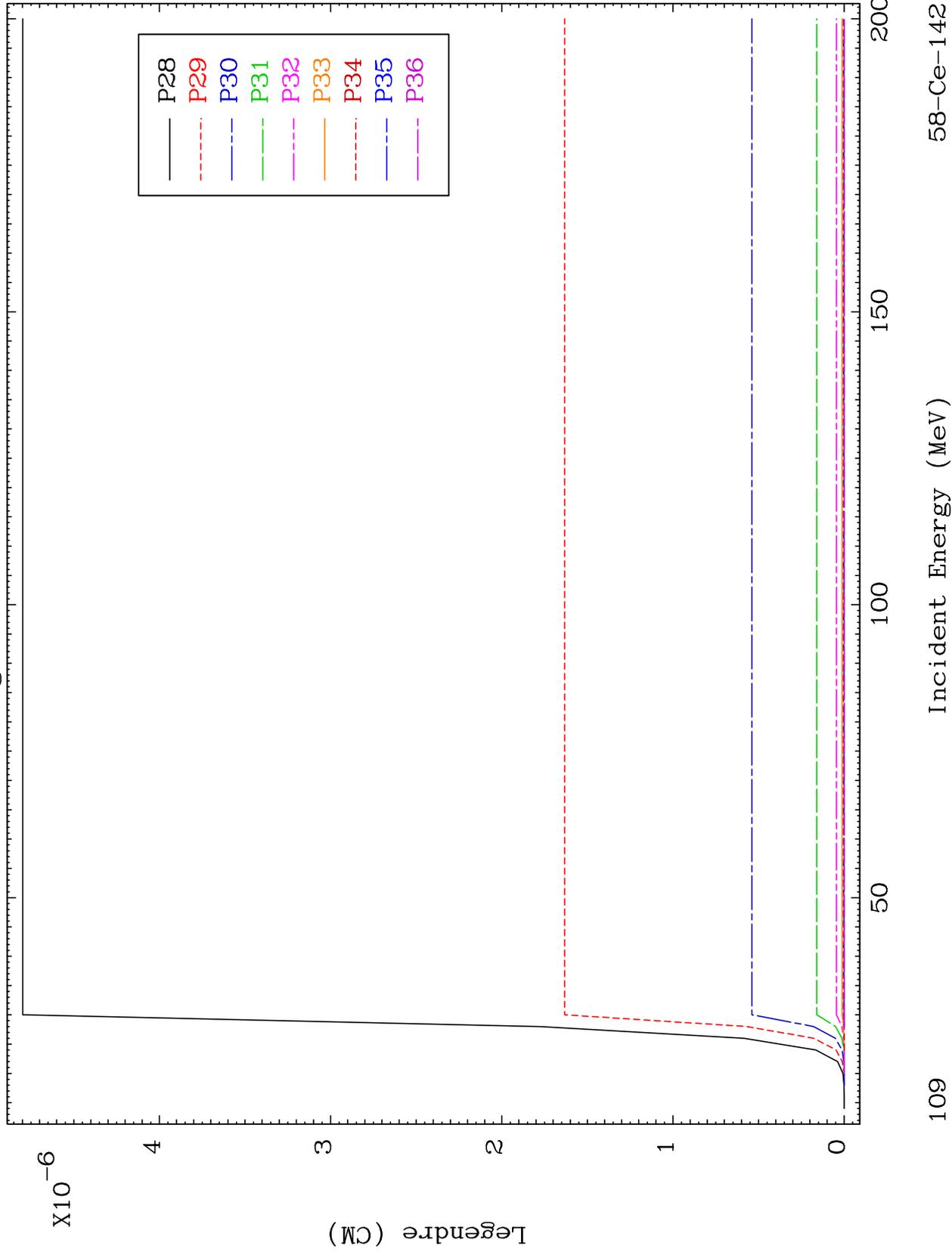
Incident Energy (MeV)

58-Ce-142

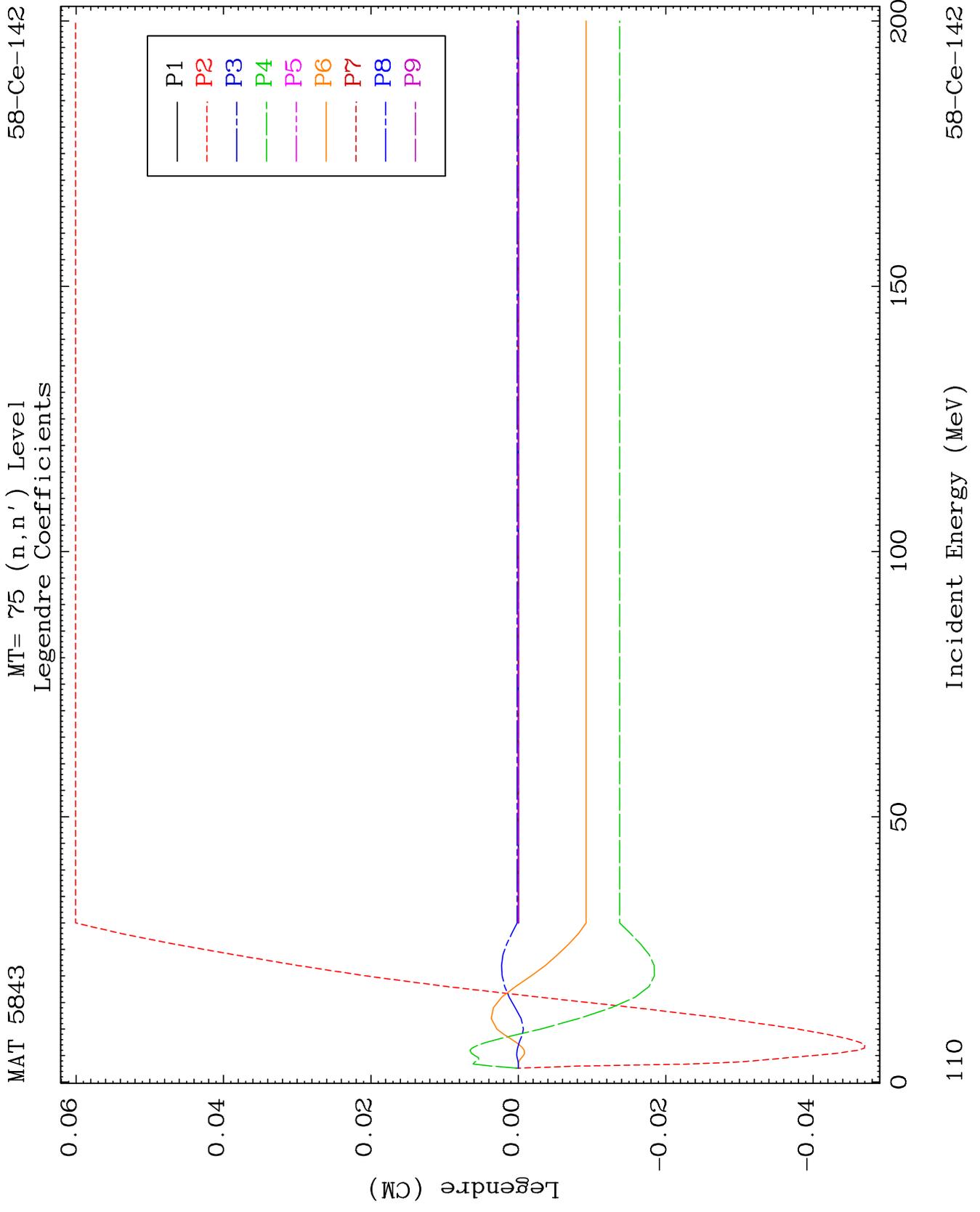
MAT 5843

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

58-Ce-142



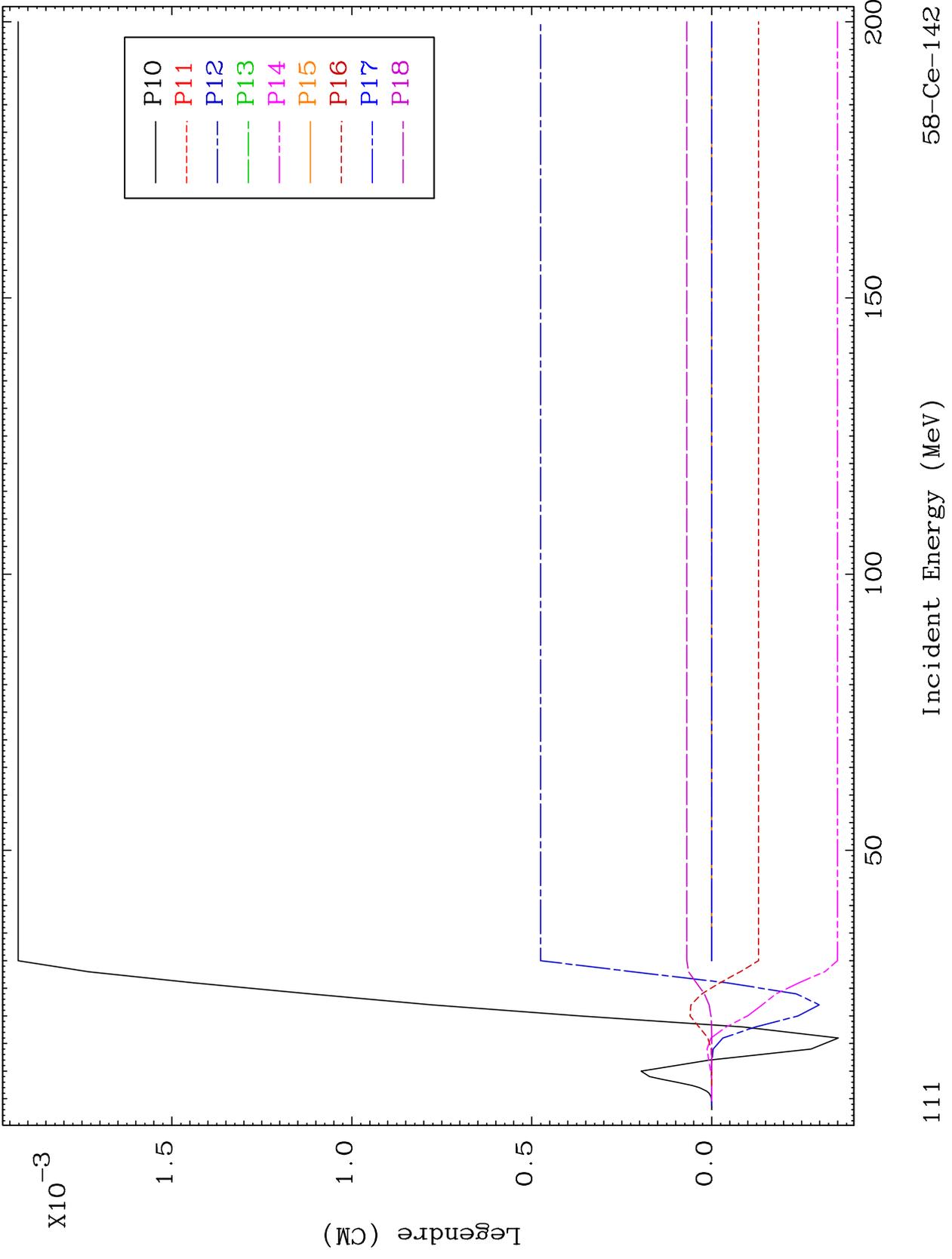
109



MAT 5843

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

58-Ce-142



111

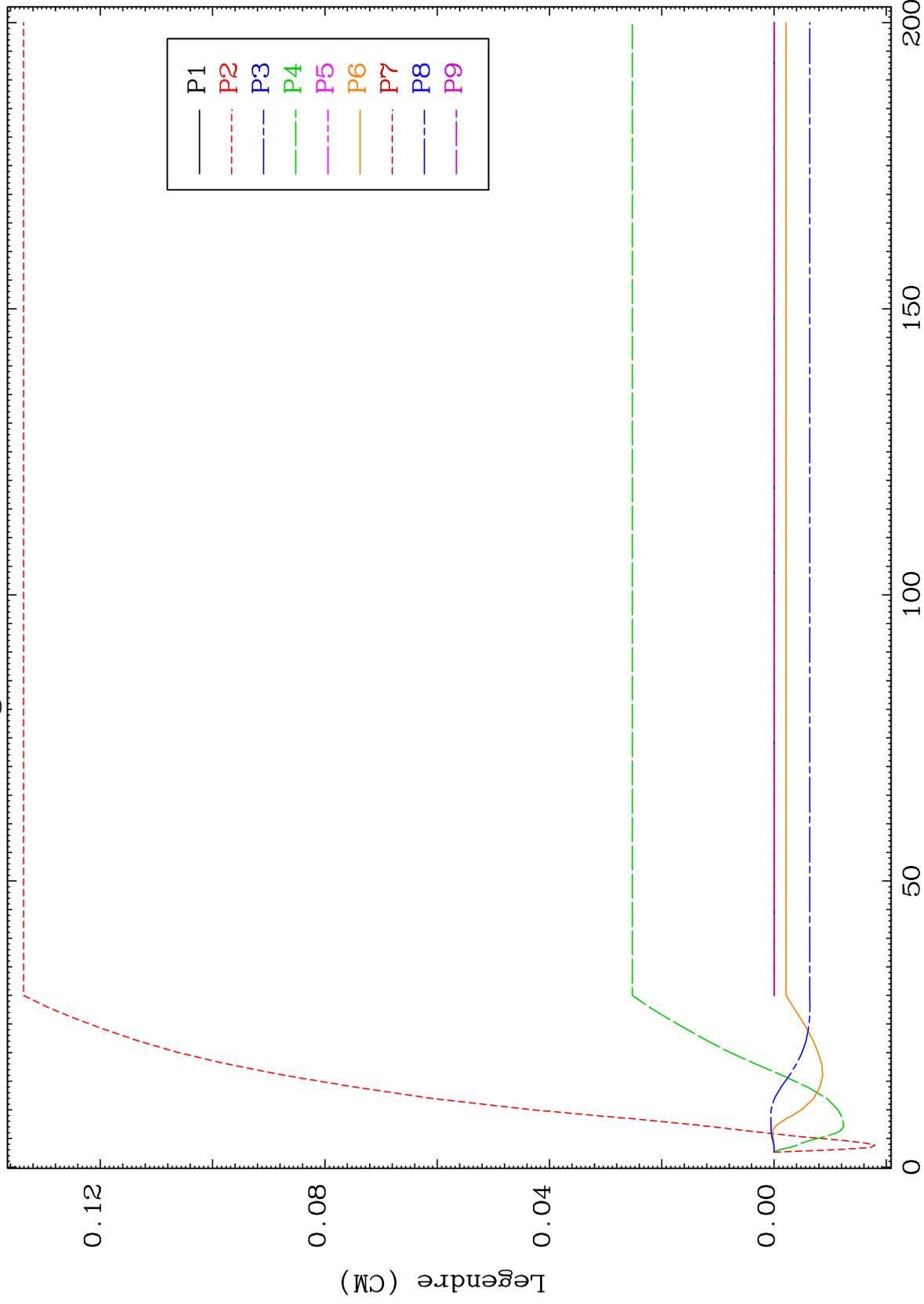
58-Ce-142



MAT 5843

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

58-Ce-142



58-Ce-142

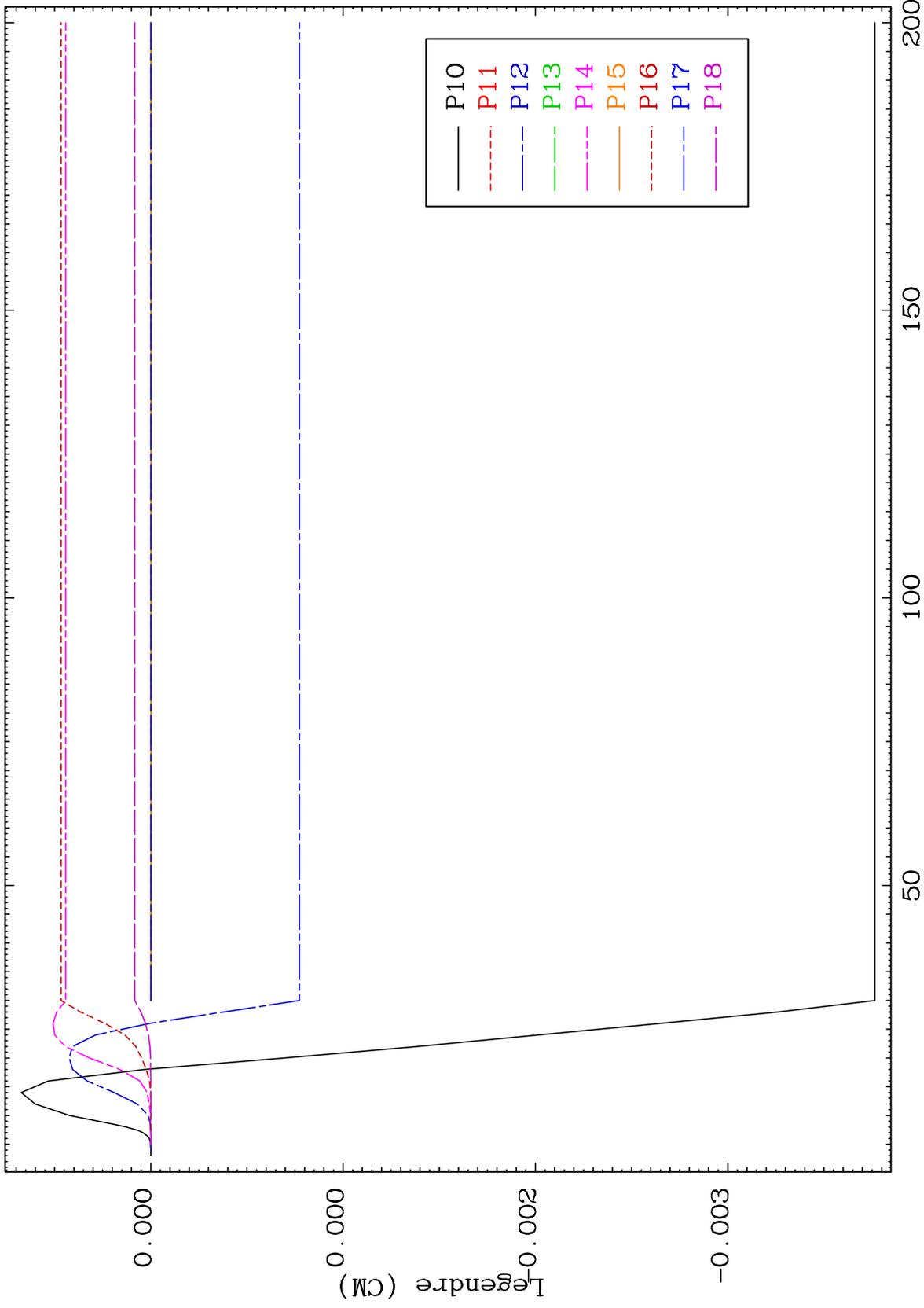
Incident Energy (MeV)

113

MAT 5843

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

58-Ce-142



114

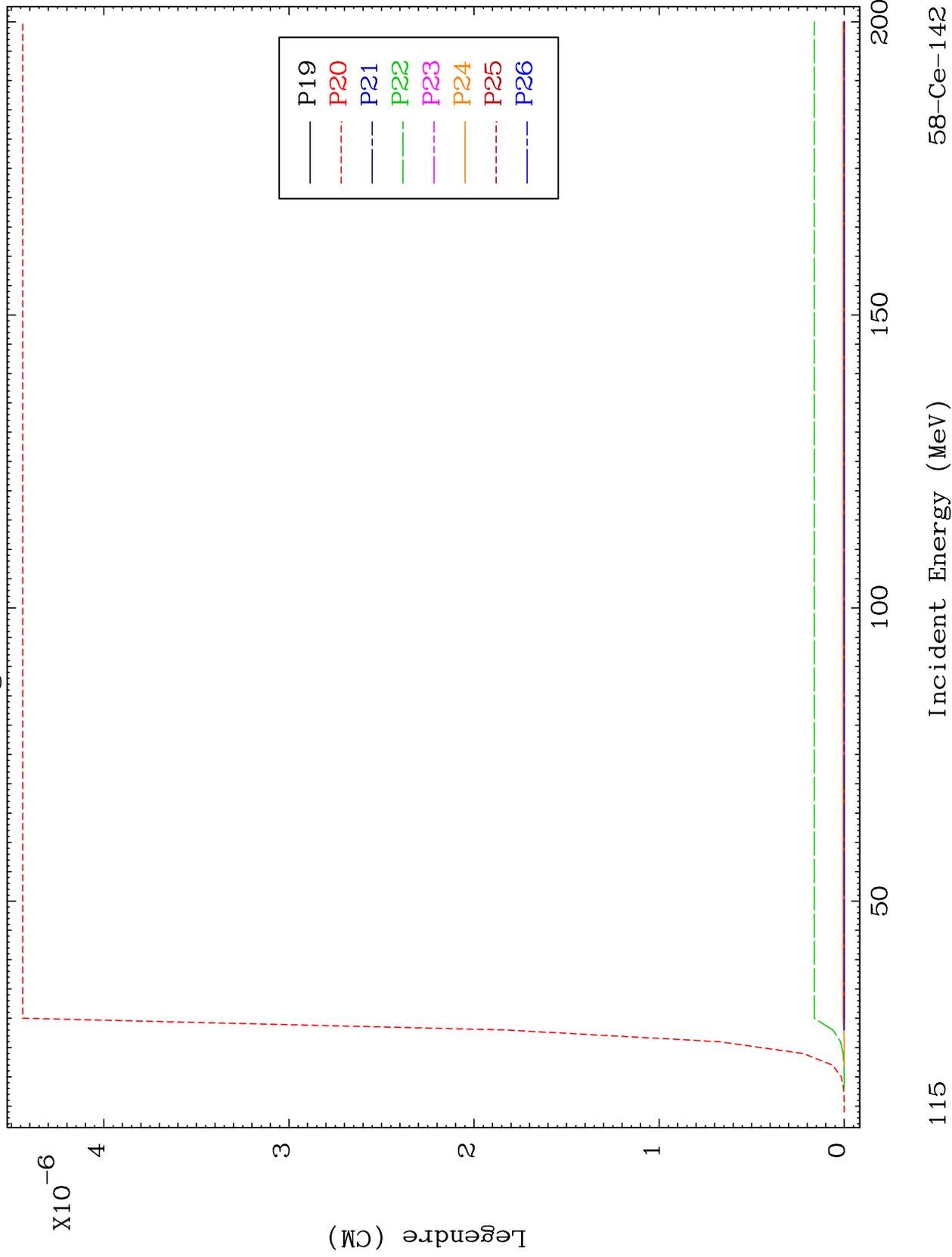
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

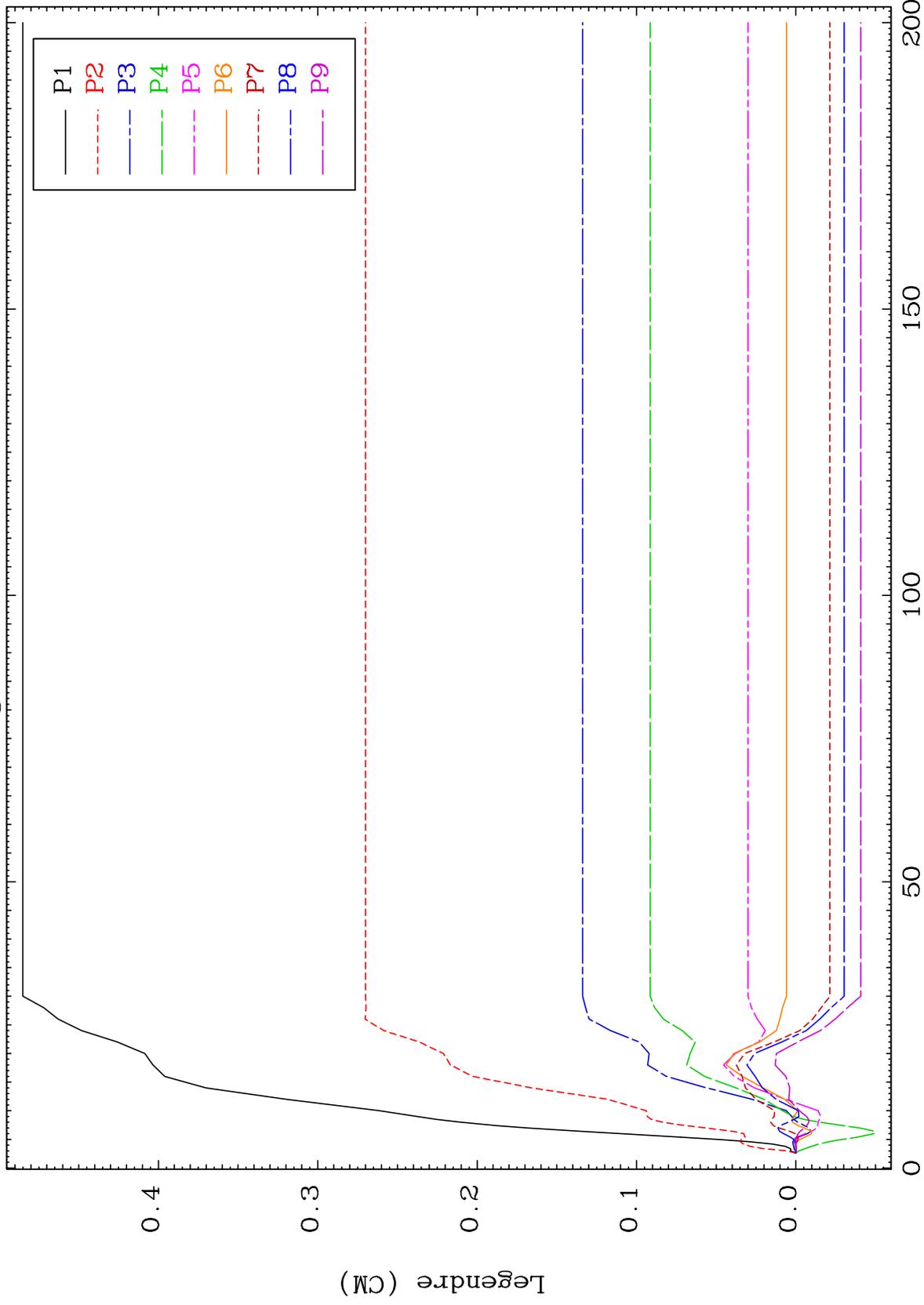
Incident Energy (MeV)

115

MAT 5843

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

58-Ce-142



58-Ce-142

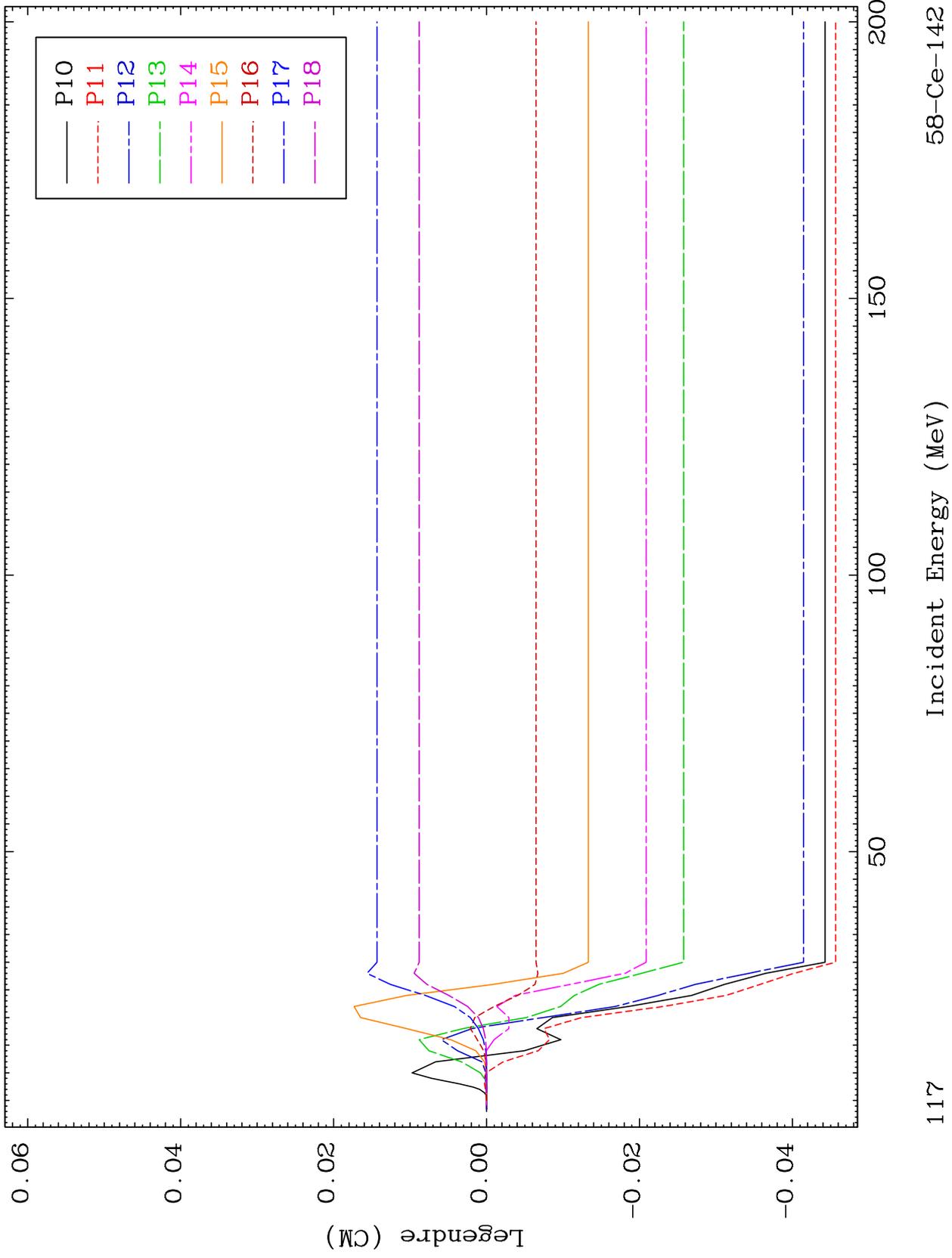
Incident Energy (MeV)

116

MAT 5843

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

58-Ce-142



117

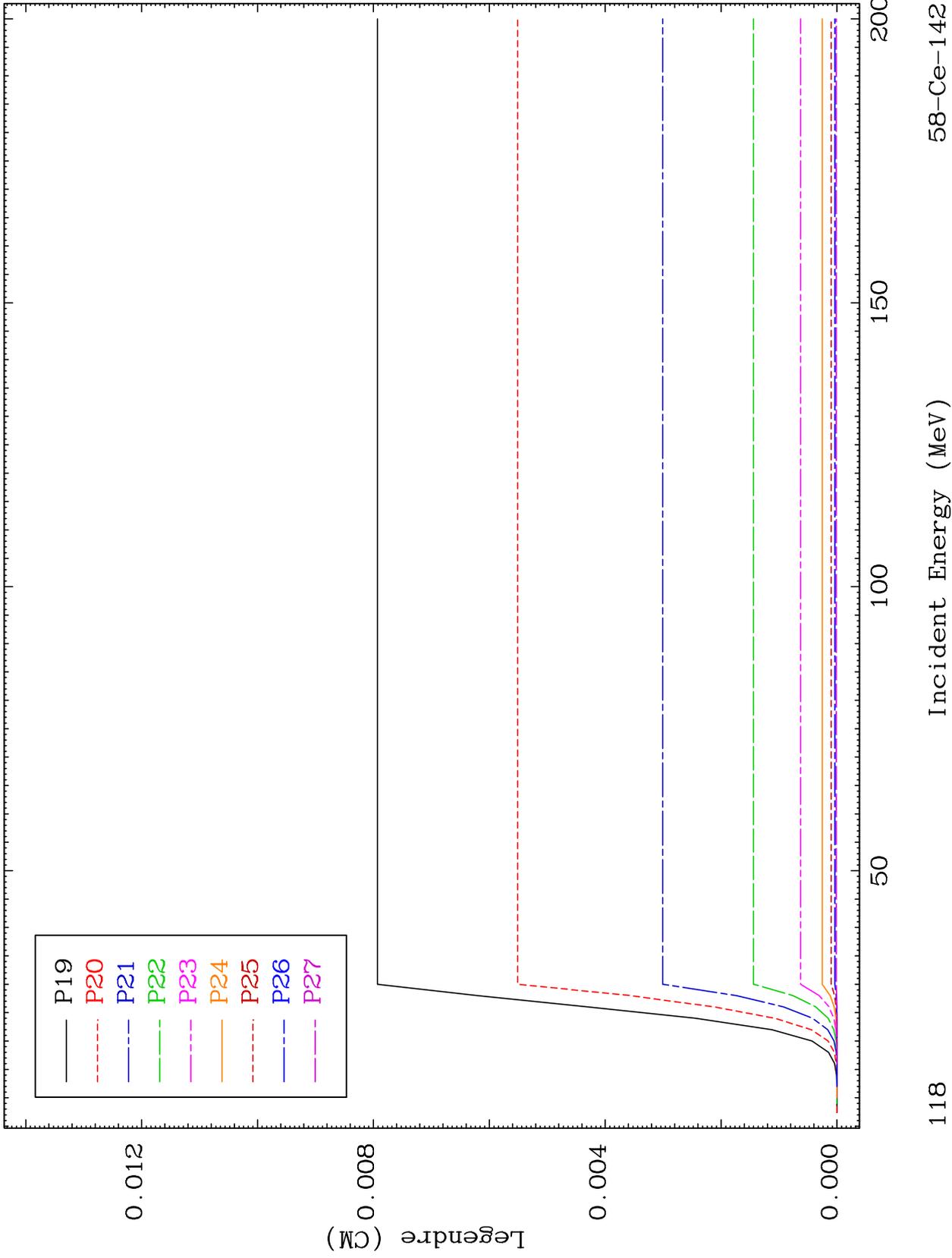
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



118

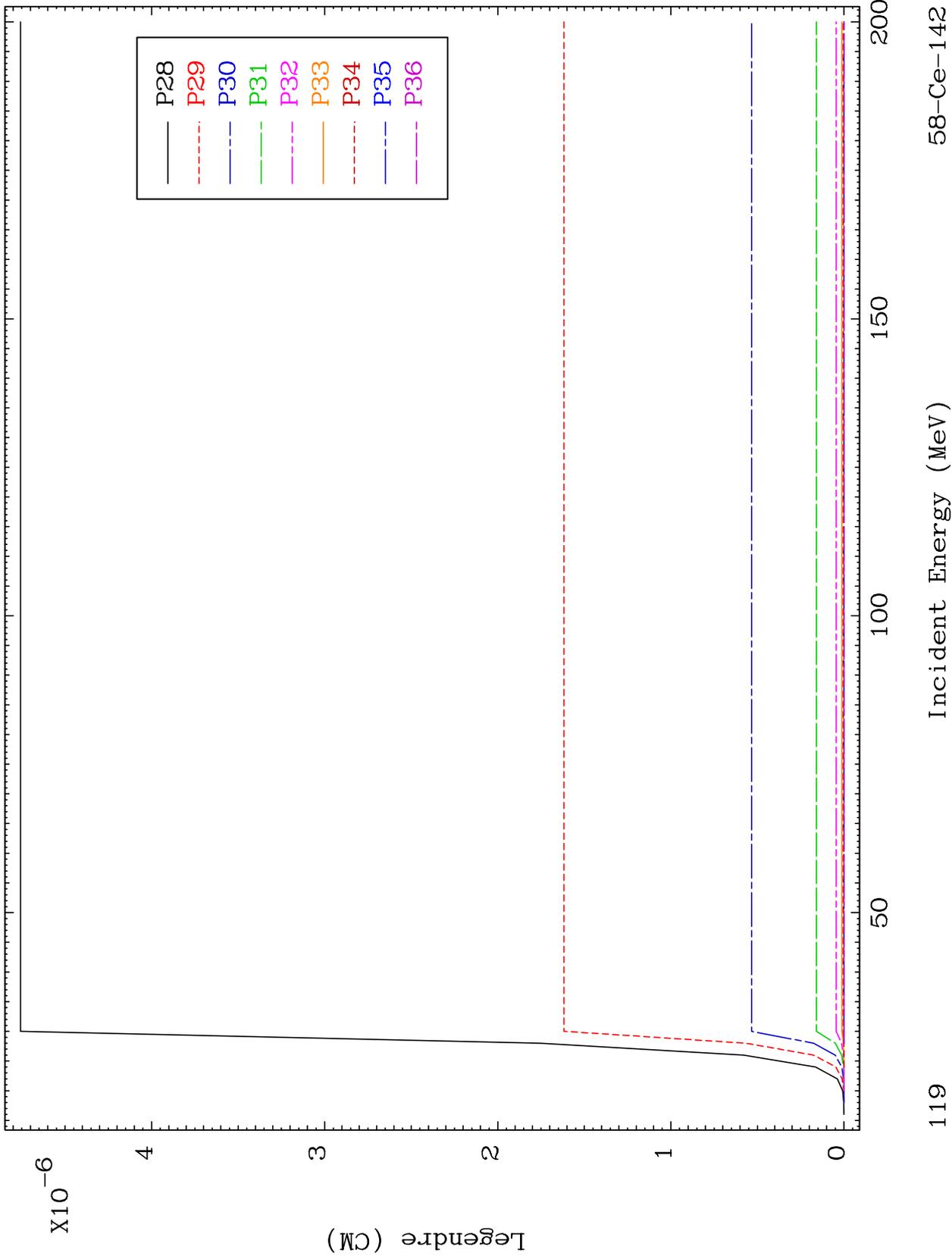
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



119

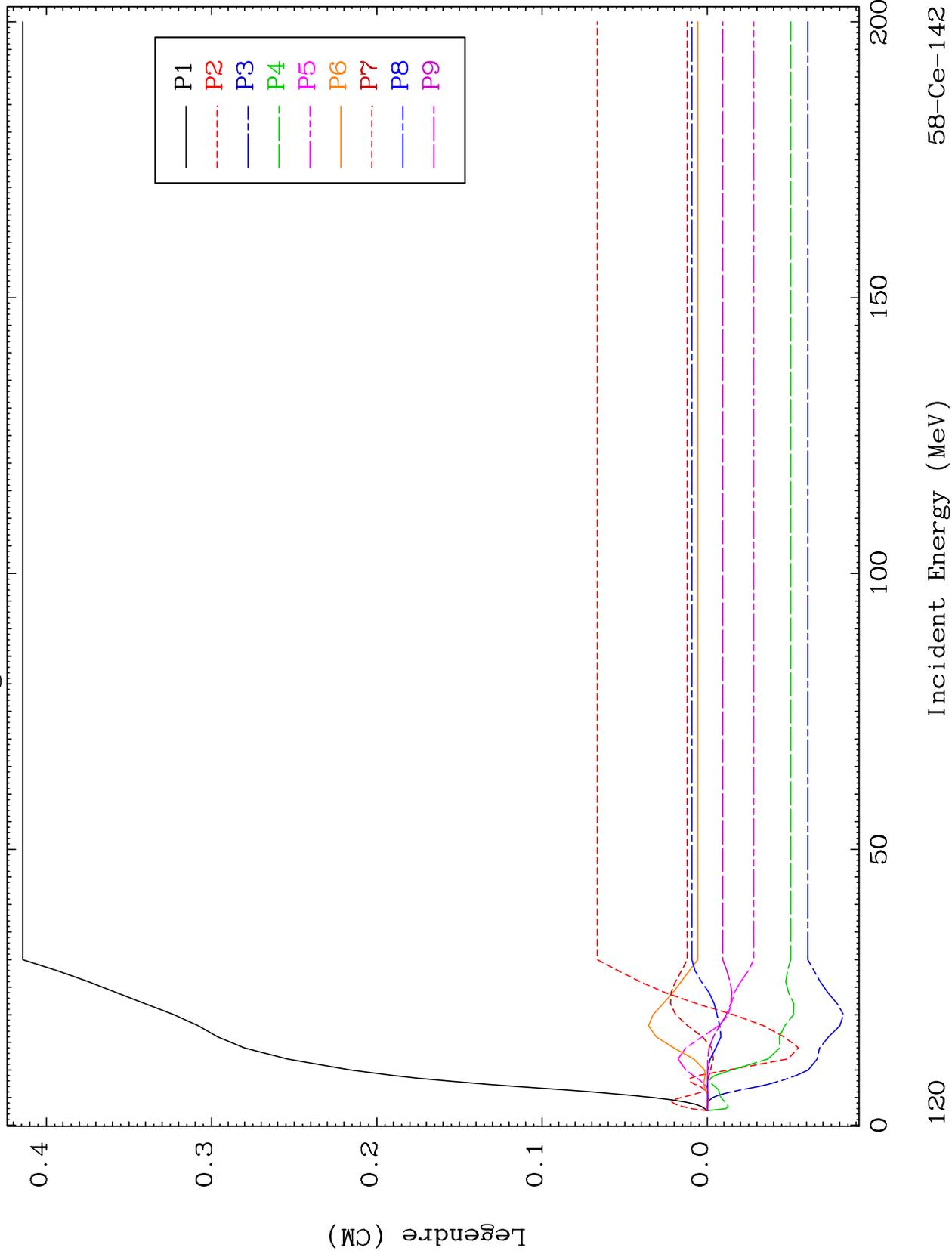
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142

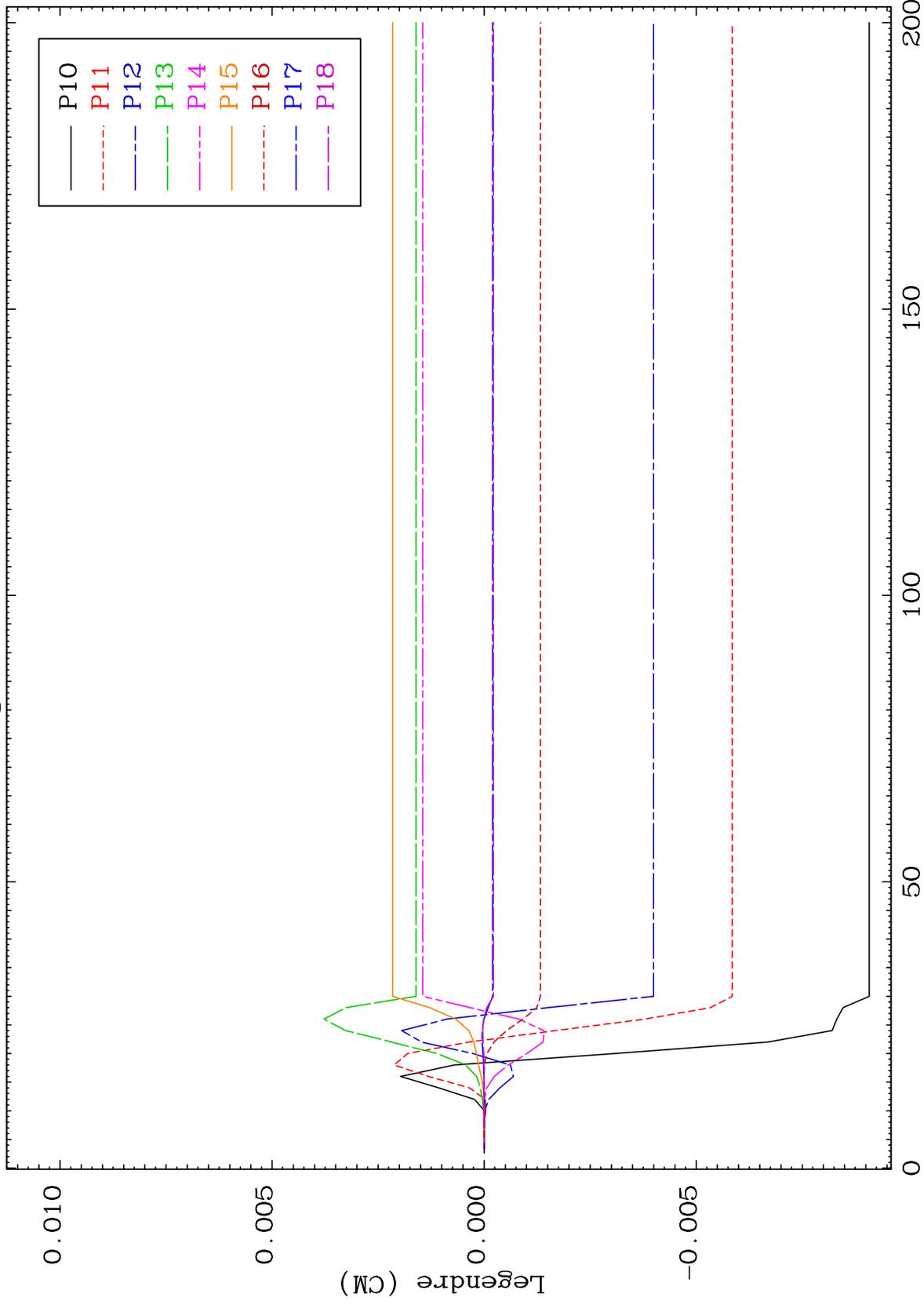


58-Ce-142

MAT 5843

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

58-Ce-142



121

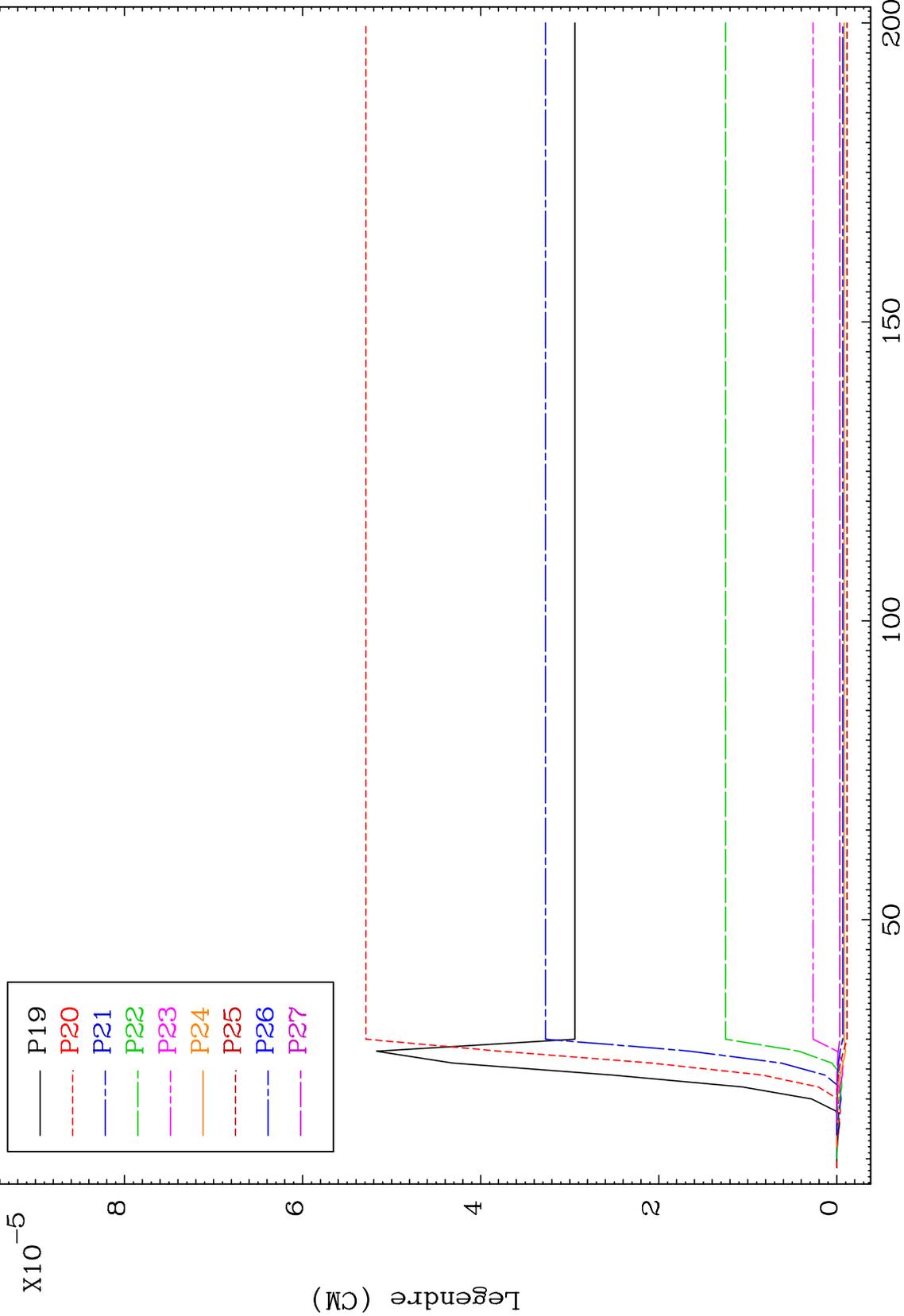
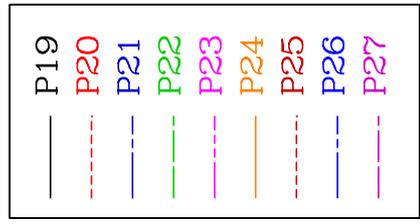
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

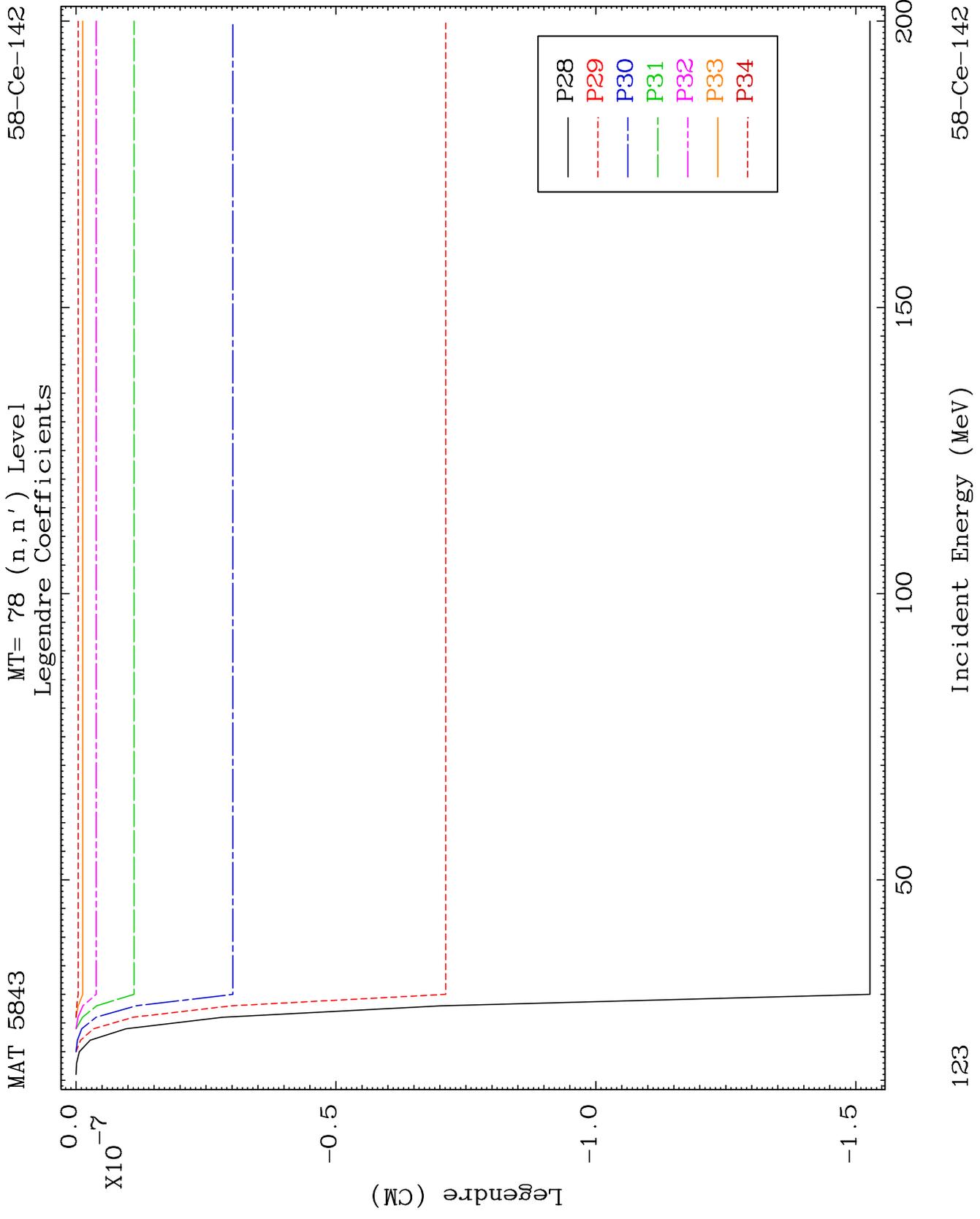
58-Ce-142



122

Incident Energy (MeV)

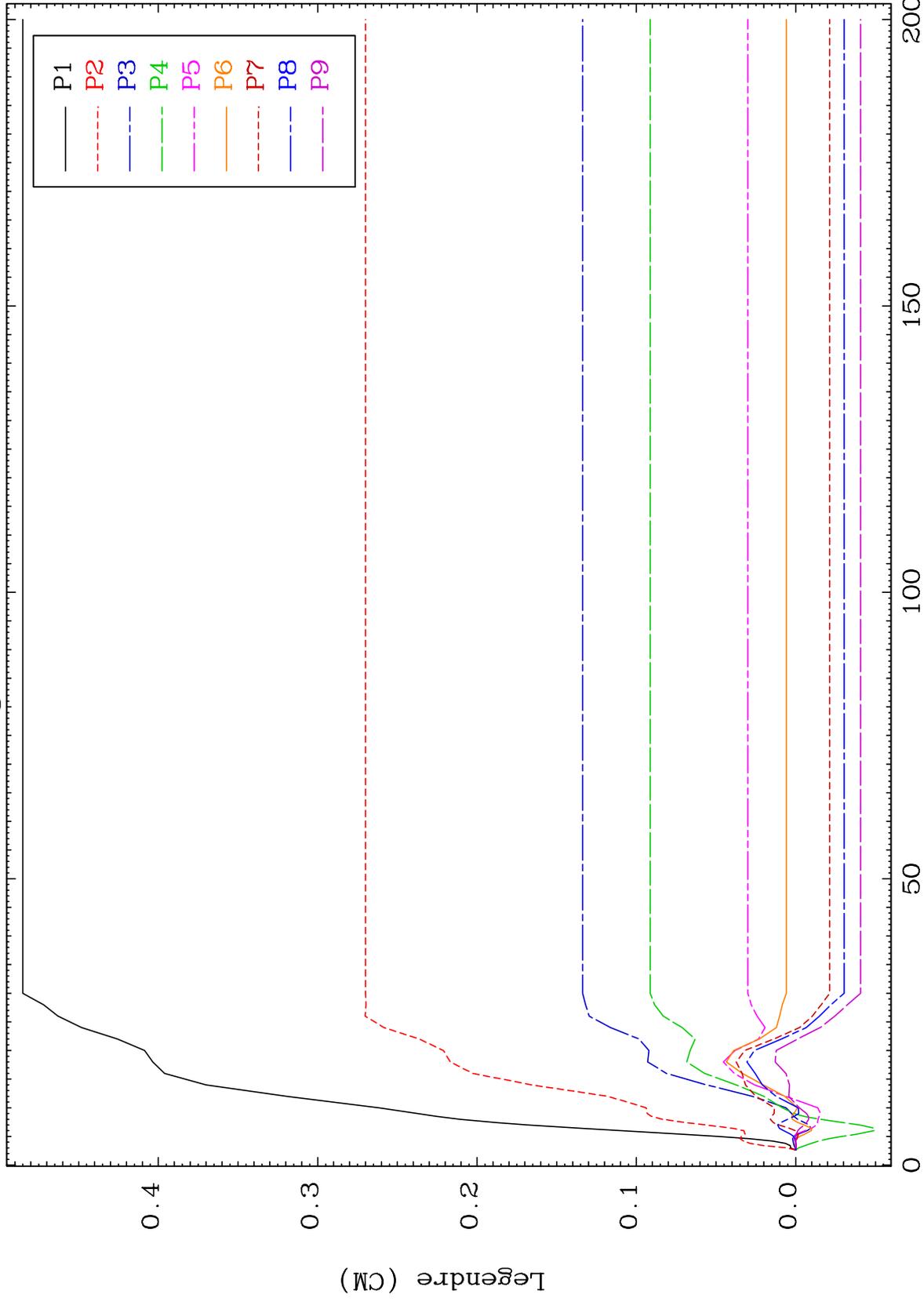
58-Ce-142



MAT 5843

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

58-Ce-142



58-Ce-142

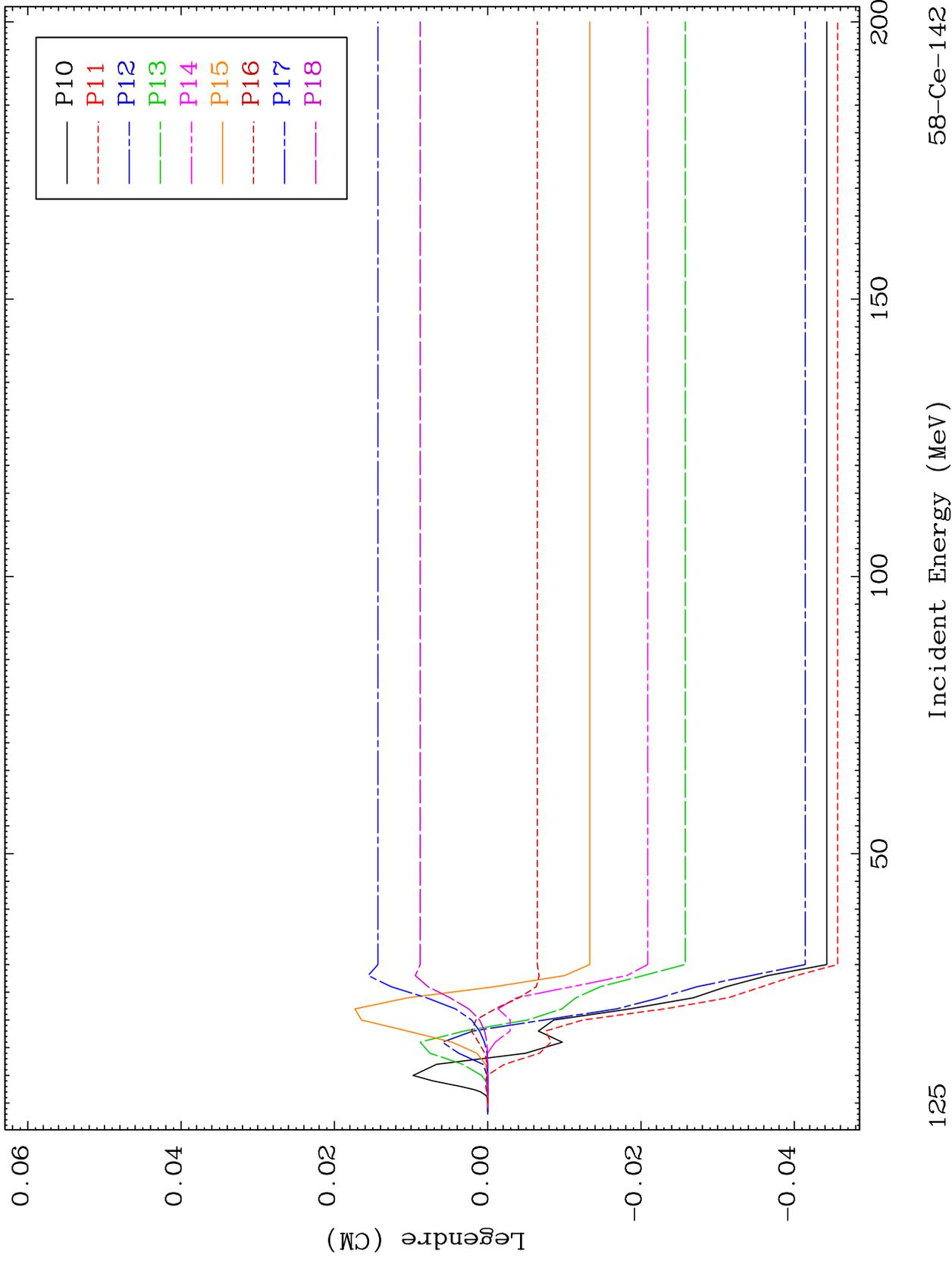
Incident Energy (MeV)

124

MAT 5843

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

58-Ce-142



58-Ce-142

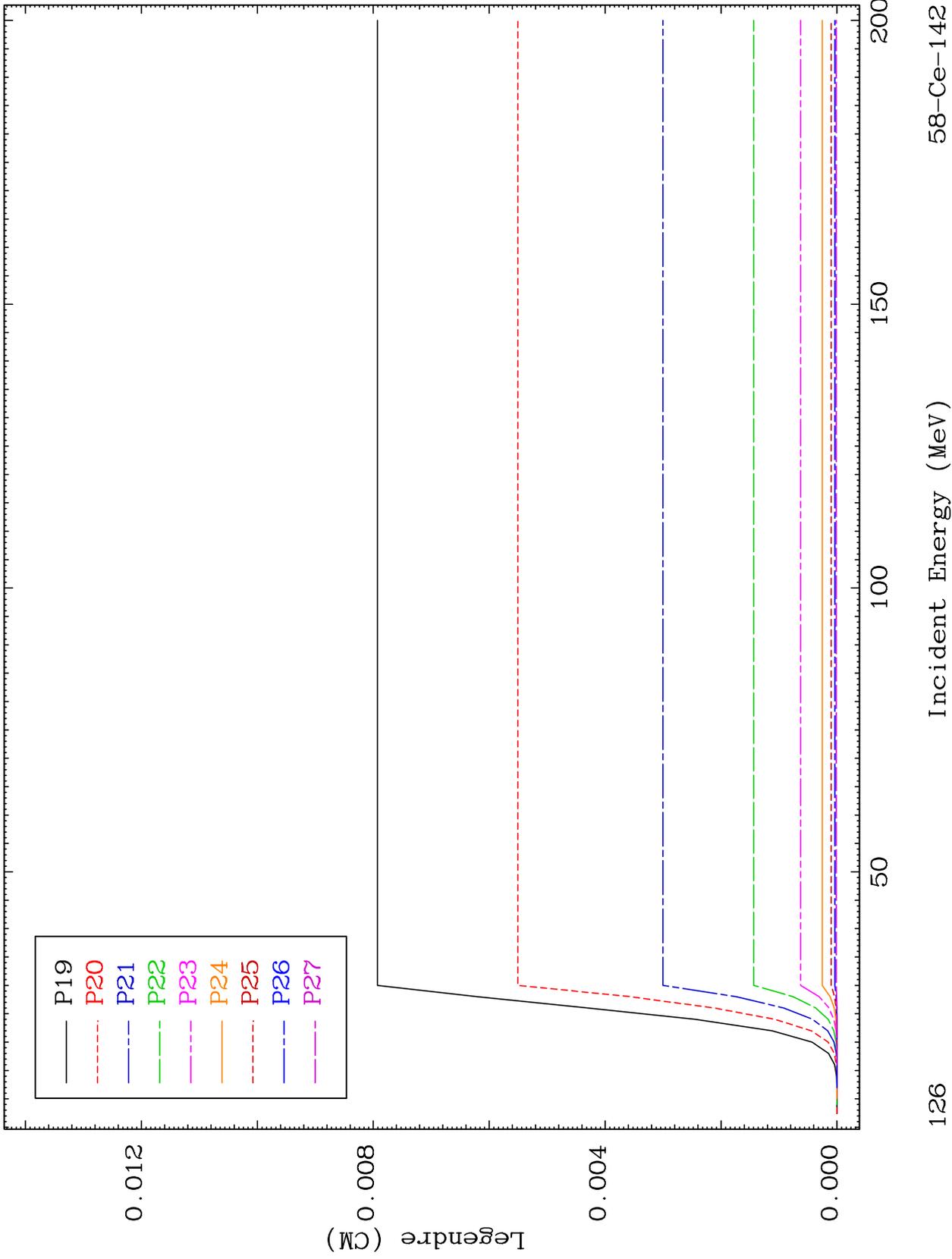
Incident Energy (MeV)

125

MAT 5843

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

58-Ce-142



126

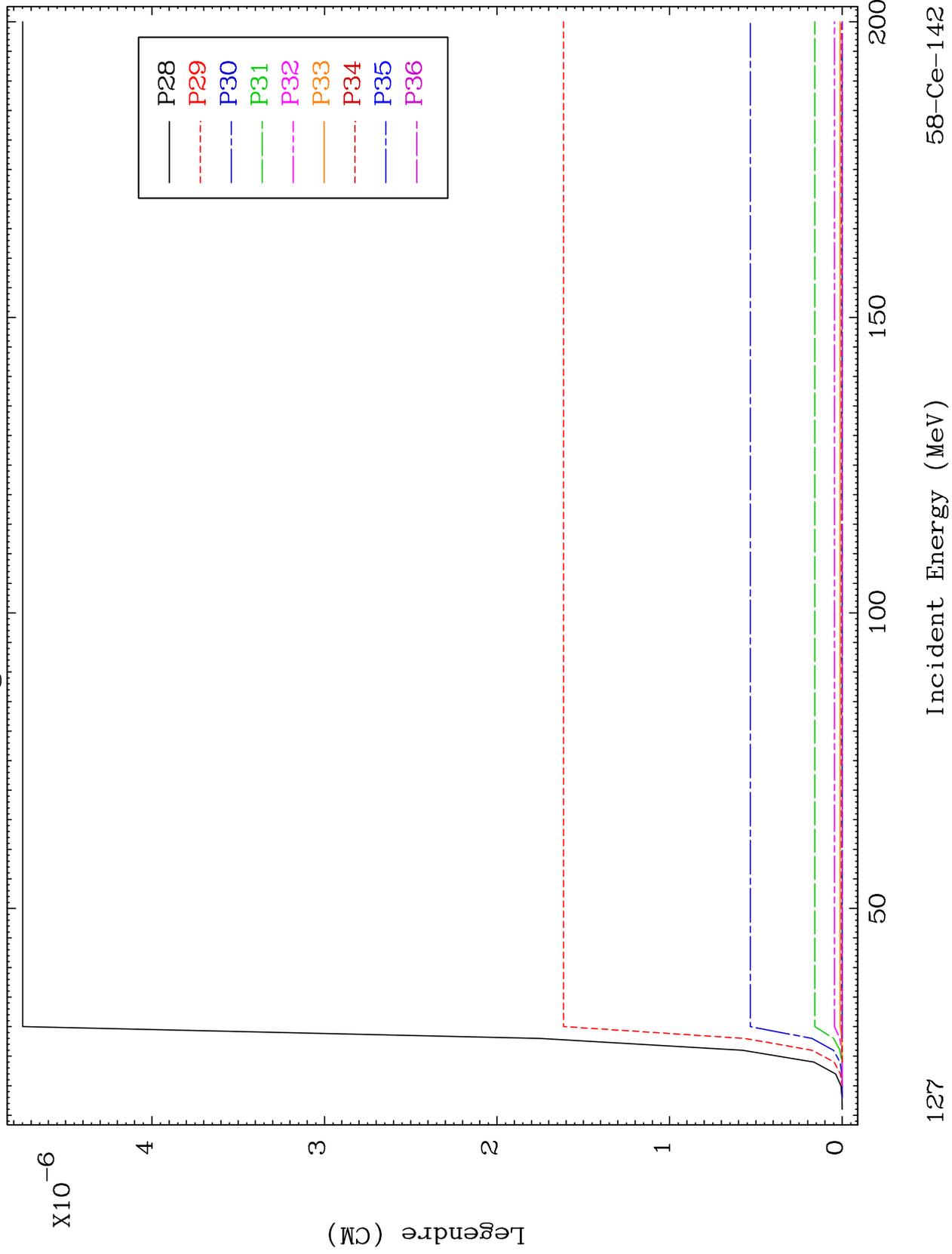
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142

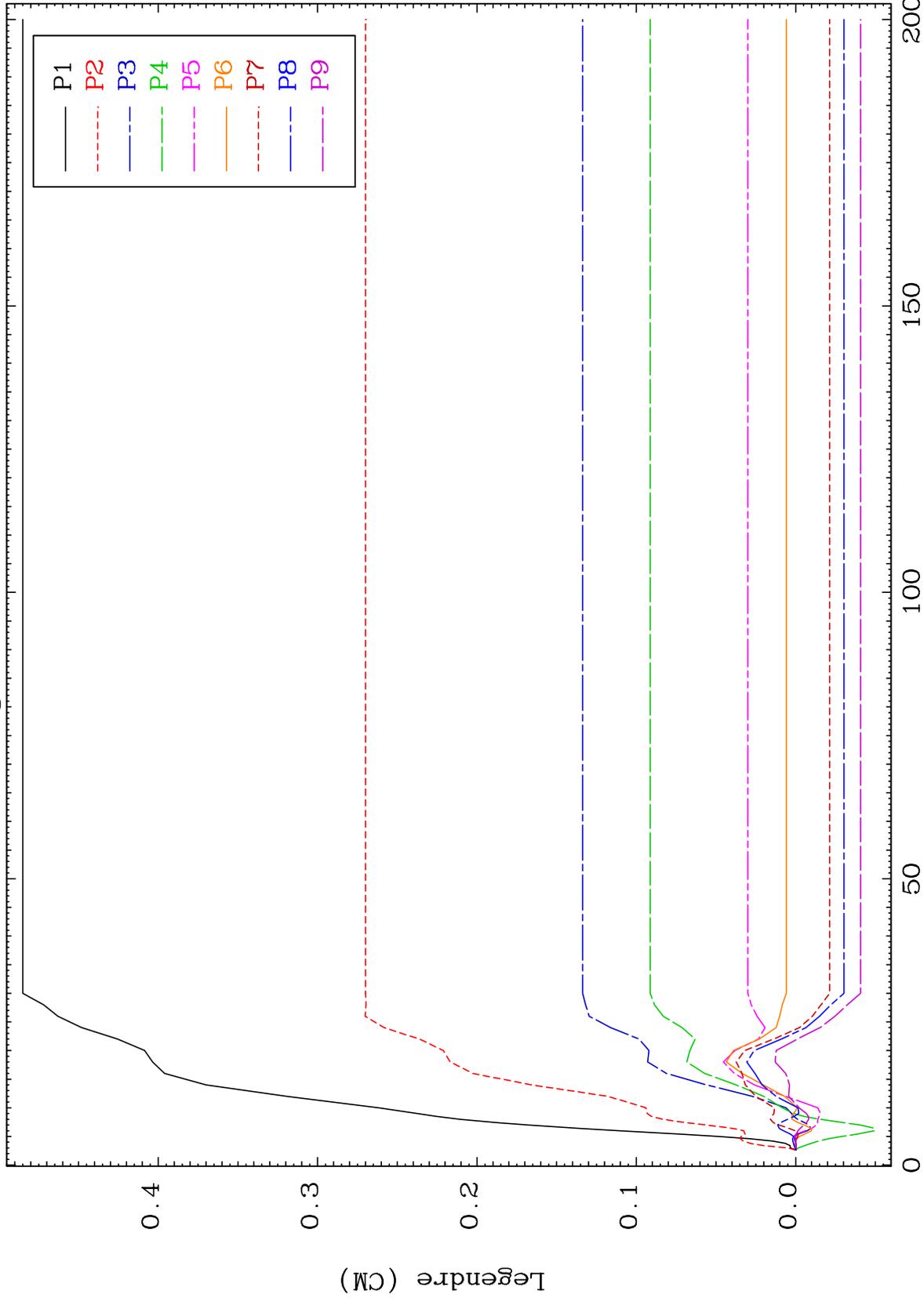


127

MAT 5843

MT= 80 (n,n') Level  
Legendre Coefficients

58-Ce-142



128

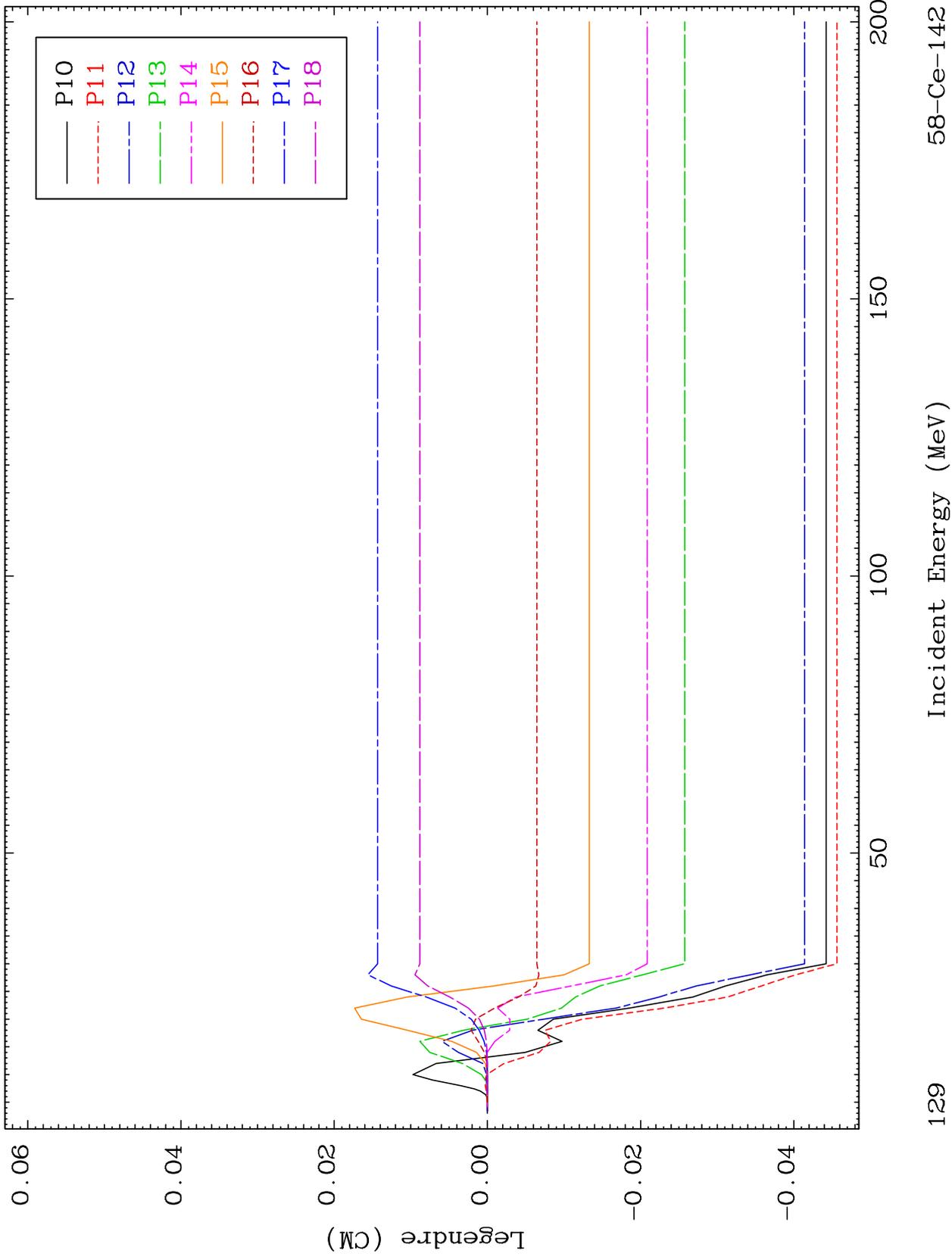
Incident Energy (MeV)

58-Ce-142

MAT 5843

MT= 80 (n,n') Level  
Legendre Coefficients

58-Ce-142



129

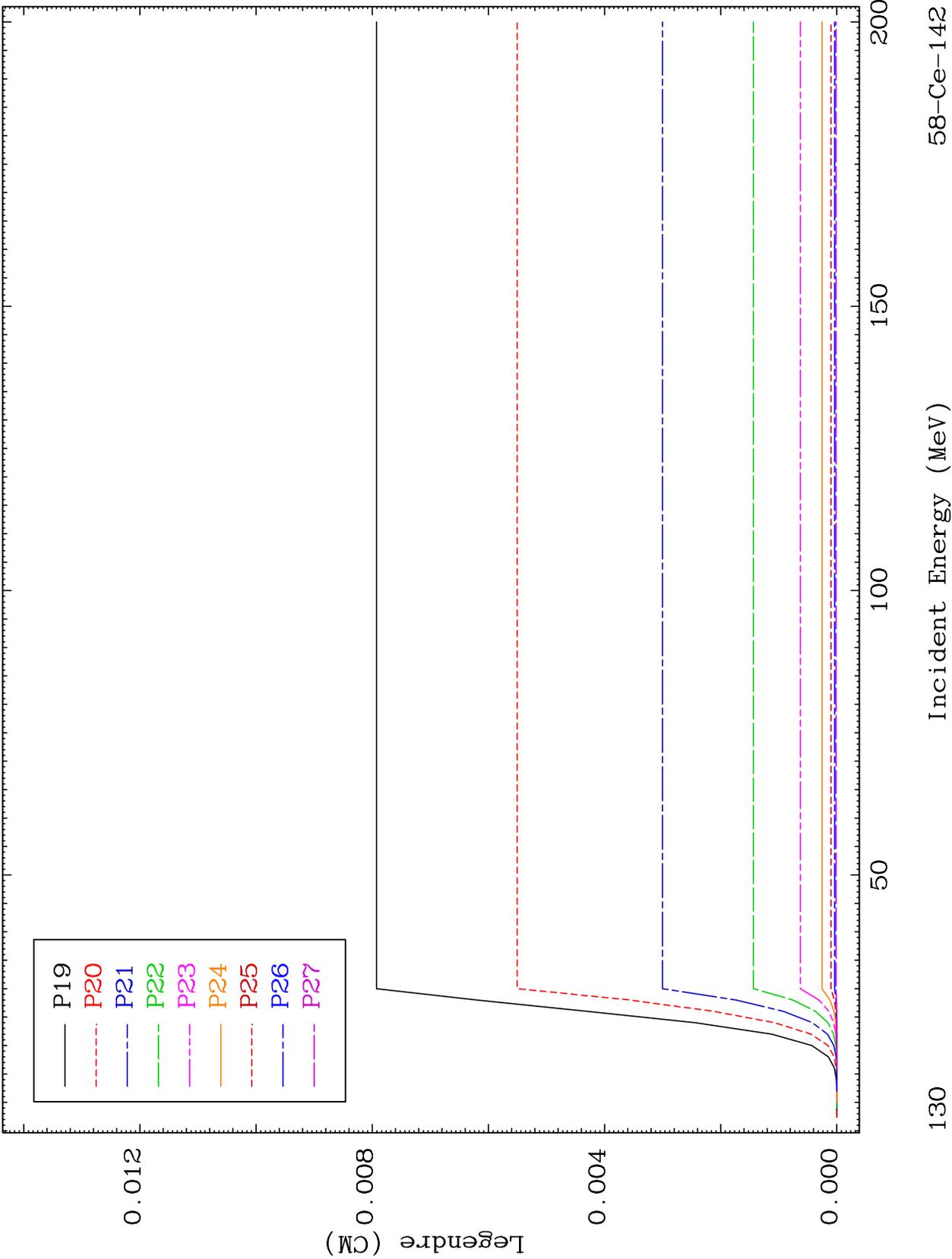
Incident Energy (MeV)

58-Ce-142

MAT 5843

MT= 80 (n,n') Level  
Legendre Coefficients

58-Ce-142



130

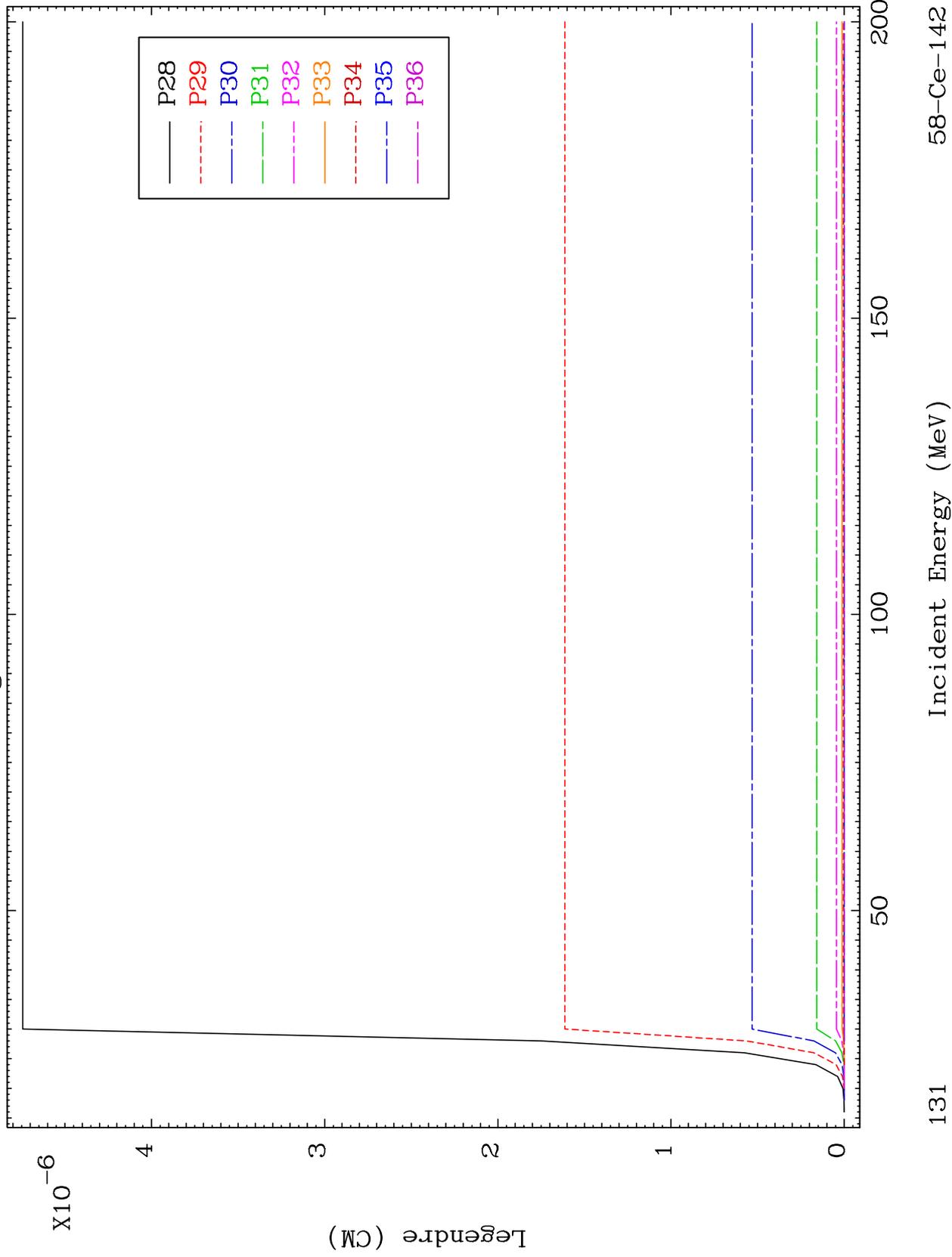
Incident Energy (MeV)

58-Ce-142

MAT 5843

MT= 80 (n,n') Level  
Legendre Coefficients

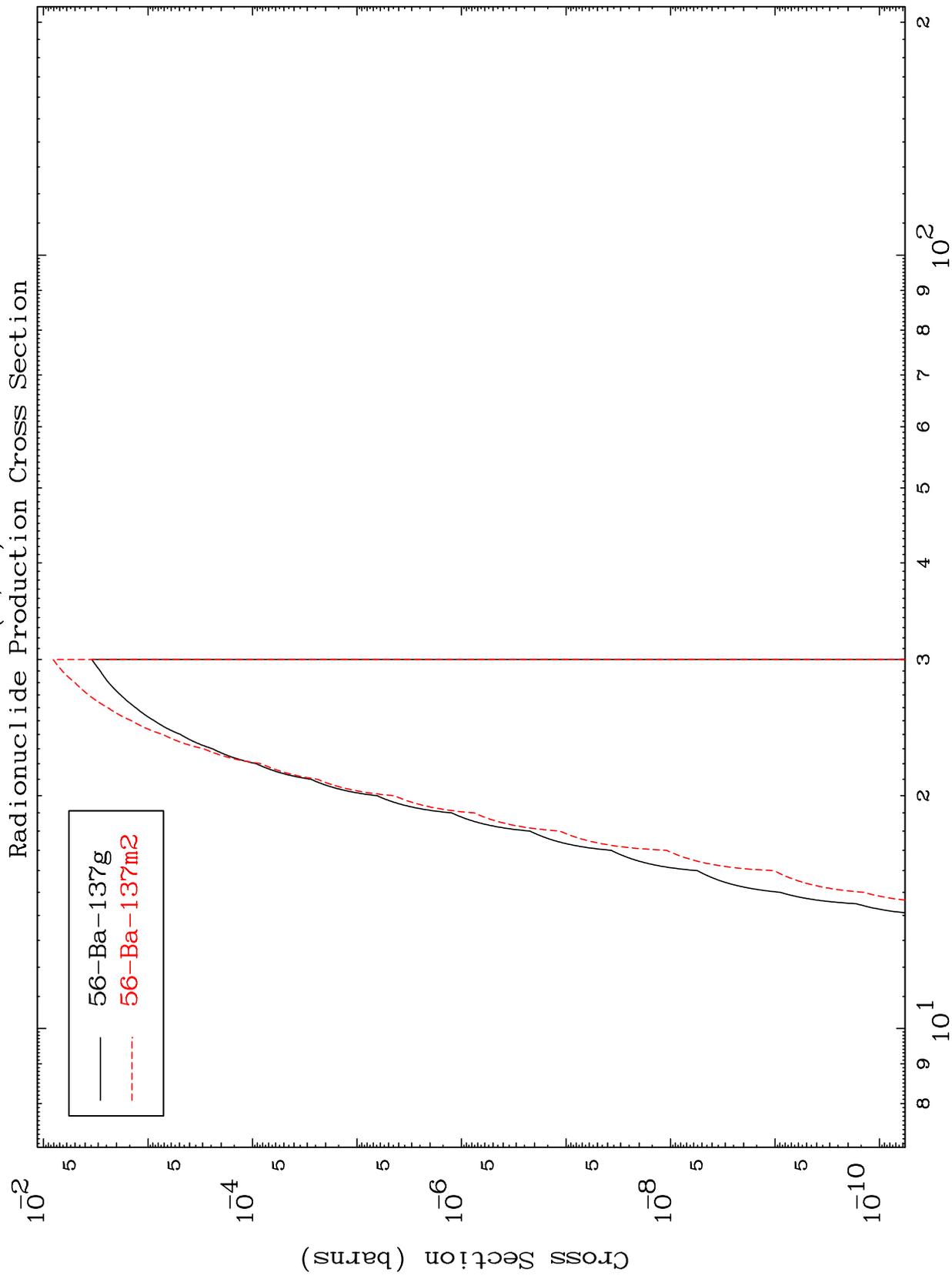
58-Ce-142



MAT 5843

(n,2n)  $\alpha$

58-Ce-142



132

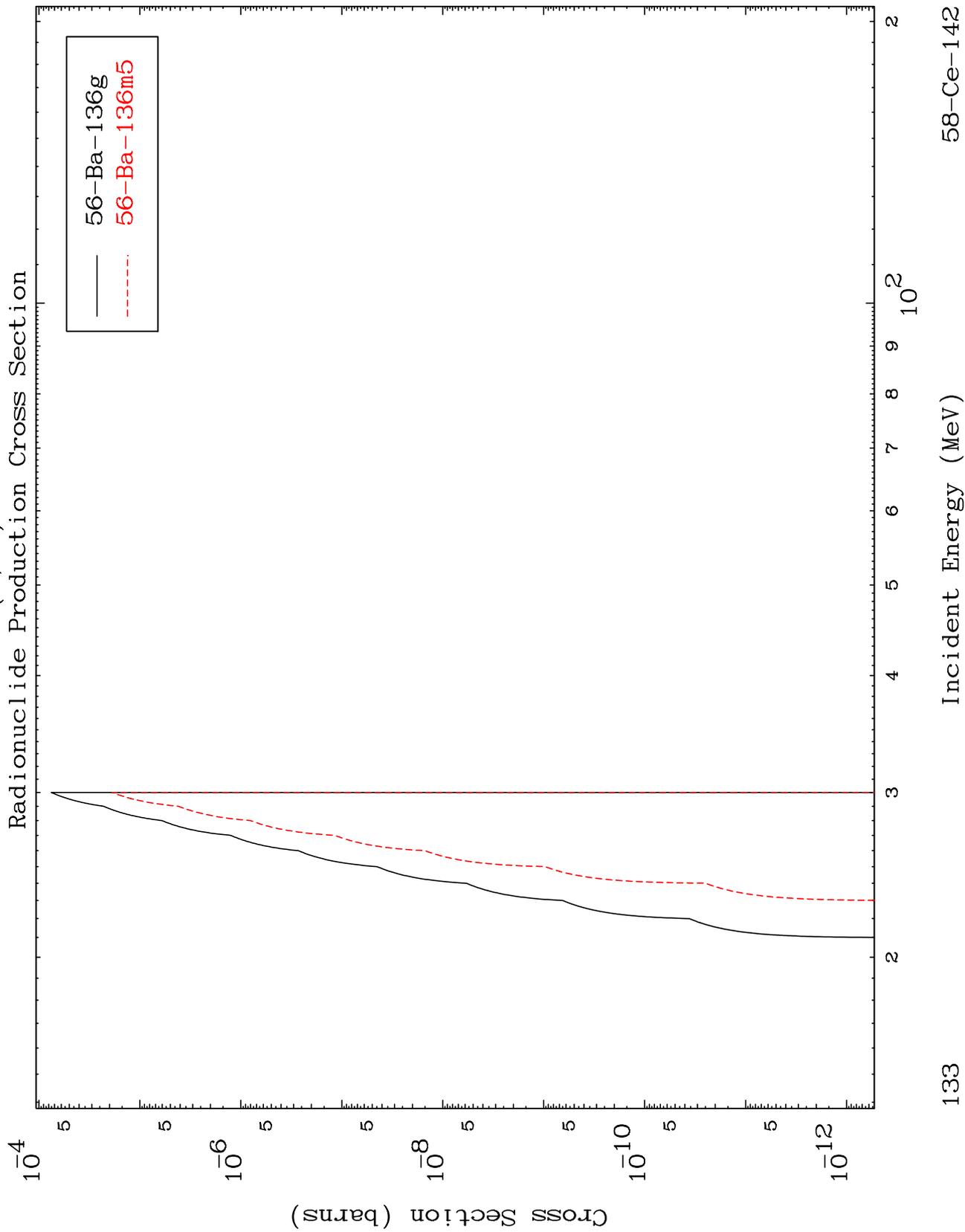
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,3n)  $\alpha$

58-Ce-142



133

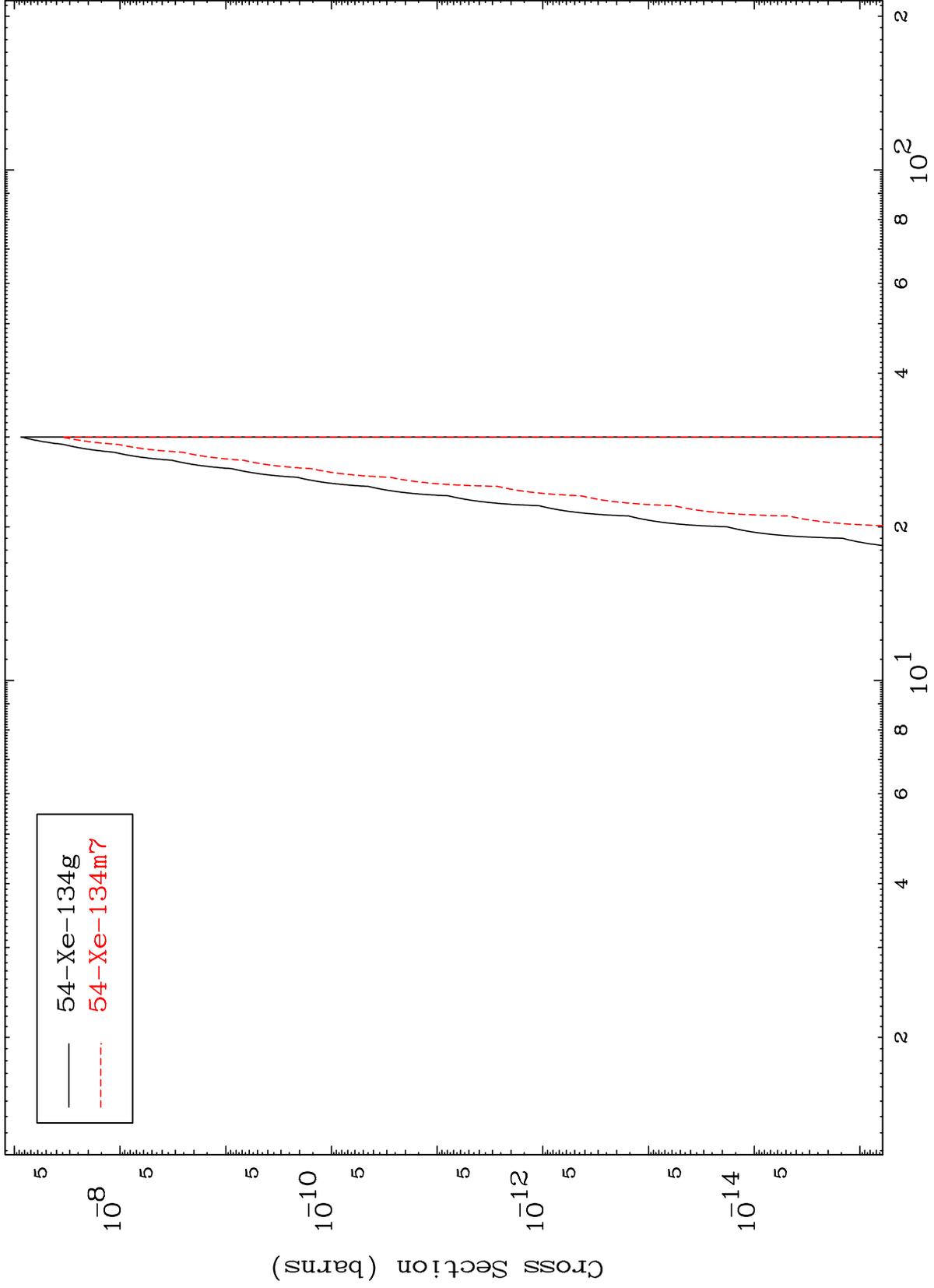
58-Ce-142

MAT 5843

(n,n') 2 $\alpha$

58-Ce-142

Radionuclide Production Cross Section



134

Incident Energy (MeV)

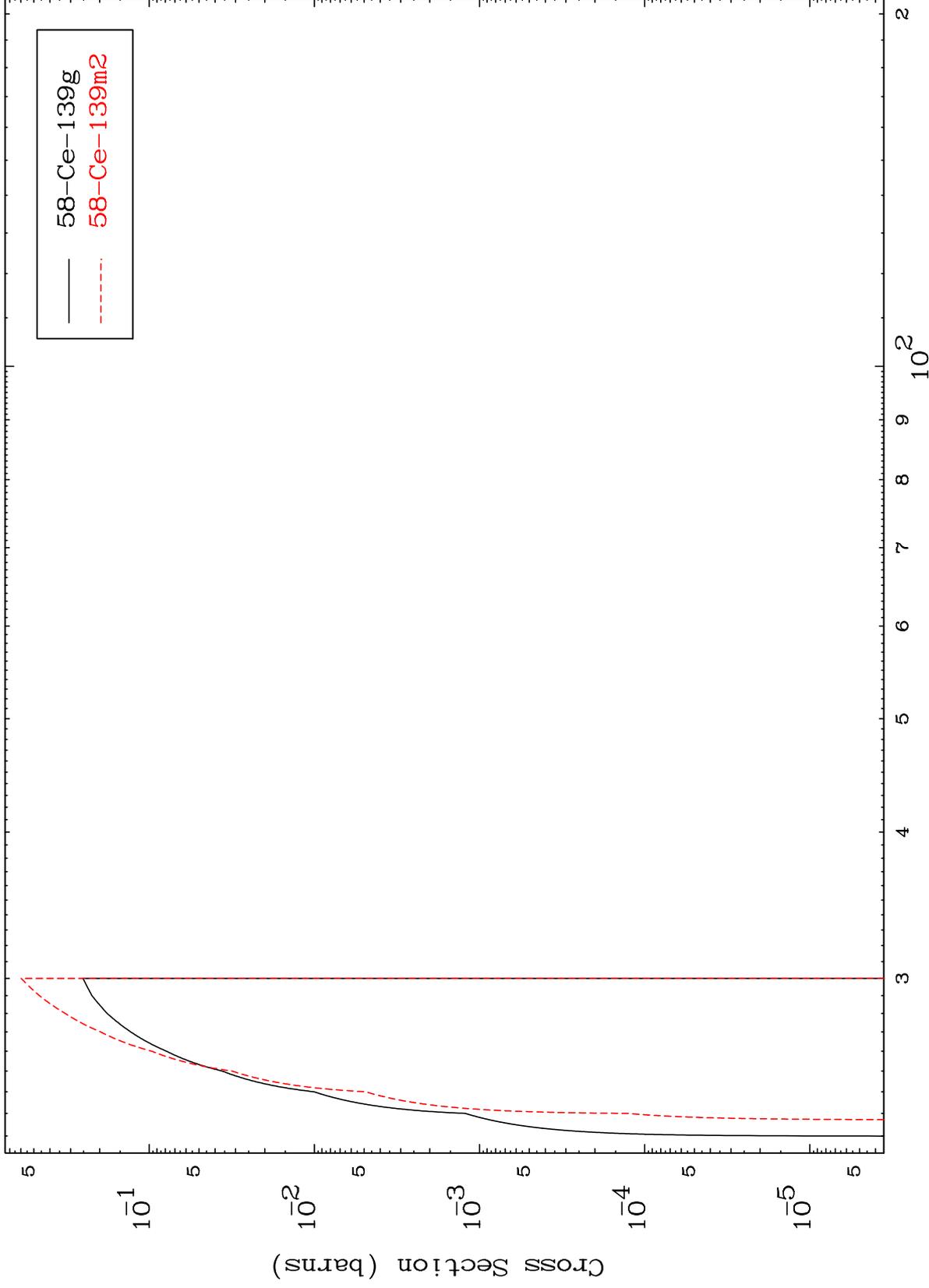
58-Ce-142

MAT 5843

(n,4n)

58-Ce-142

Radionuclide Production Cross Section



135

Incident Energy (MeV)

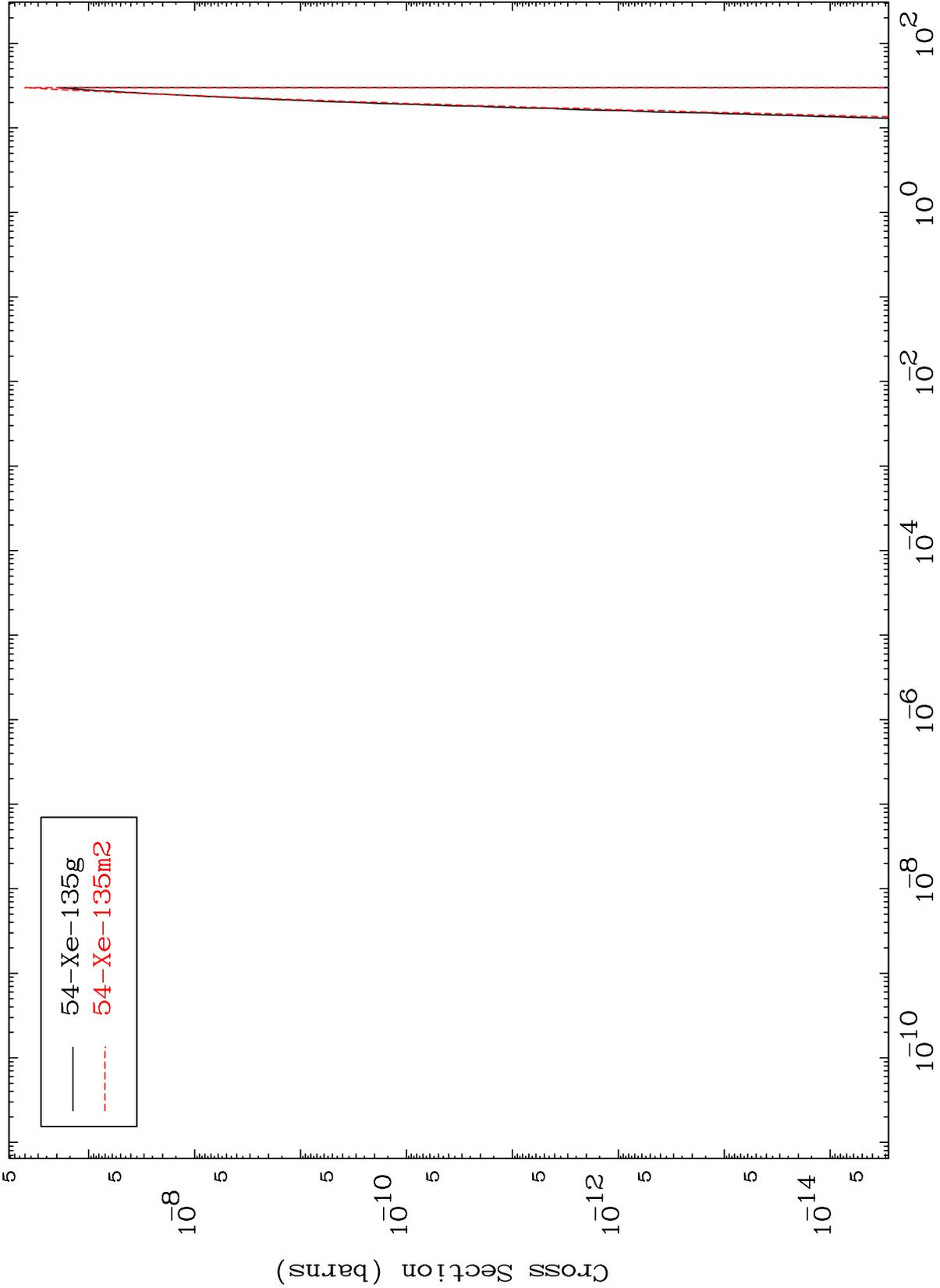
58-Ce-142

MAT 5843

(n,2α)

58-Ce-142

Radionuclide Production Cross Section



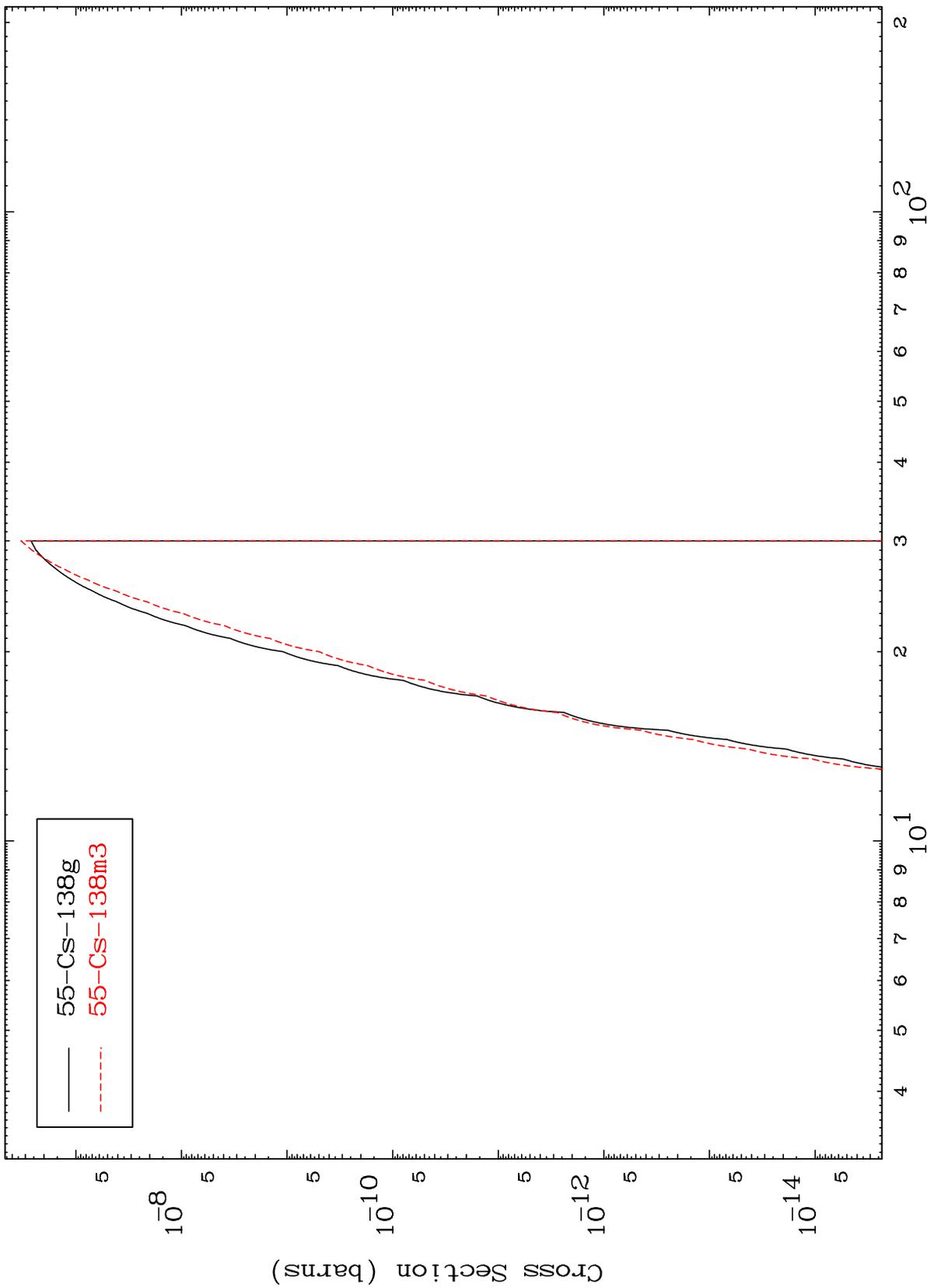
54-Xe-135g  
54-Xe-135m2

MAT 5843

(n,p)  $\alpha$

58-Ce-142

Radionuclide Production Cross Section



137

Incident Energy (MeV)

58-Ce-142