

Program EVALPLOT
(Version 2018-1)

by

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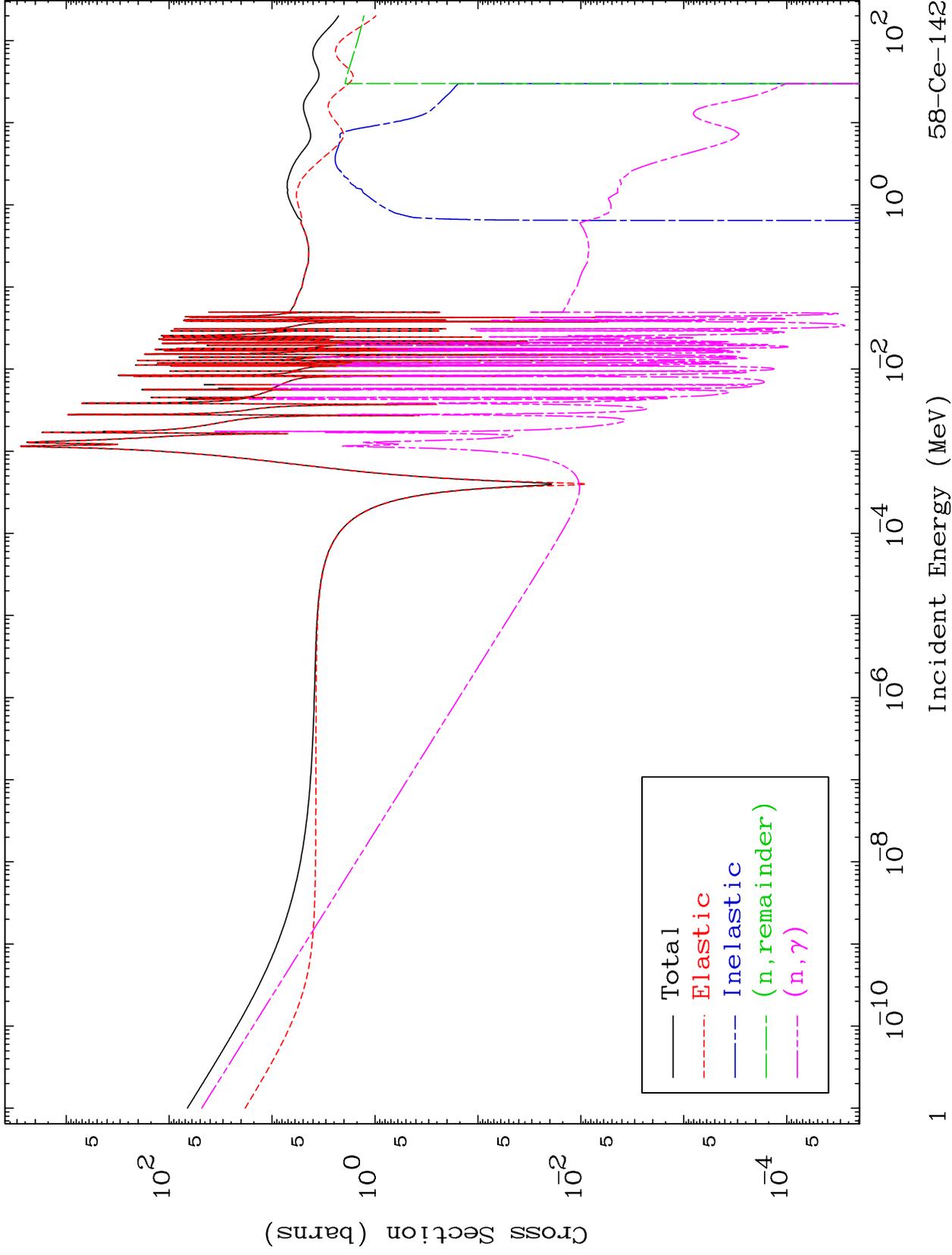
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Press Mouse Button to Start

MAT 5843

Major
293 Kelvin Cross Sections

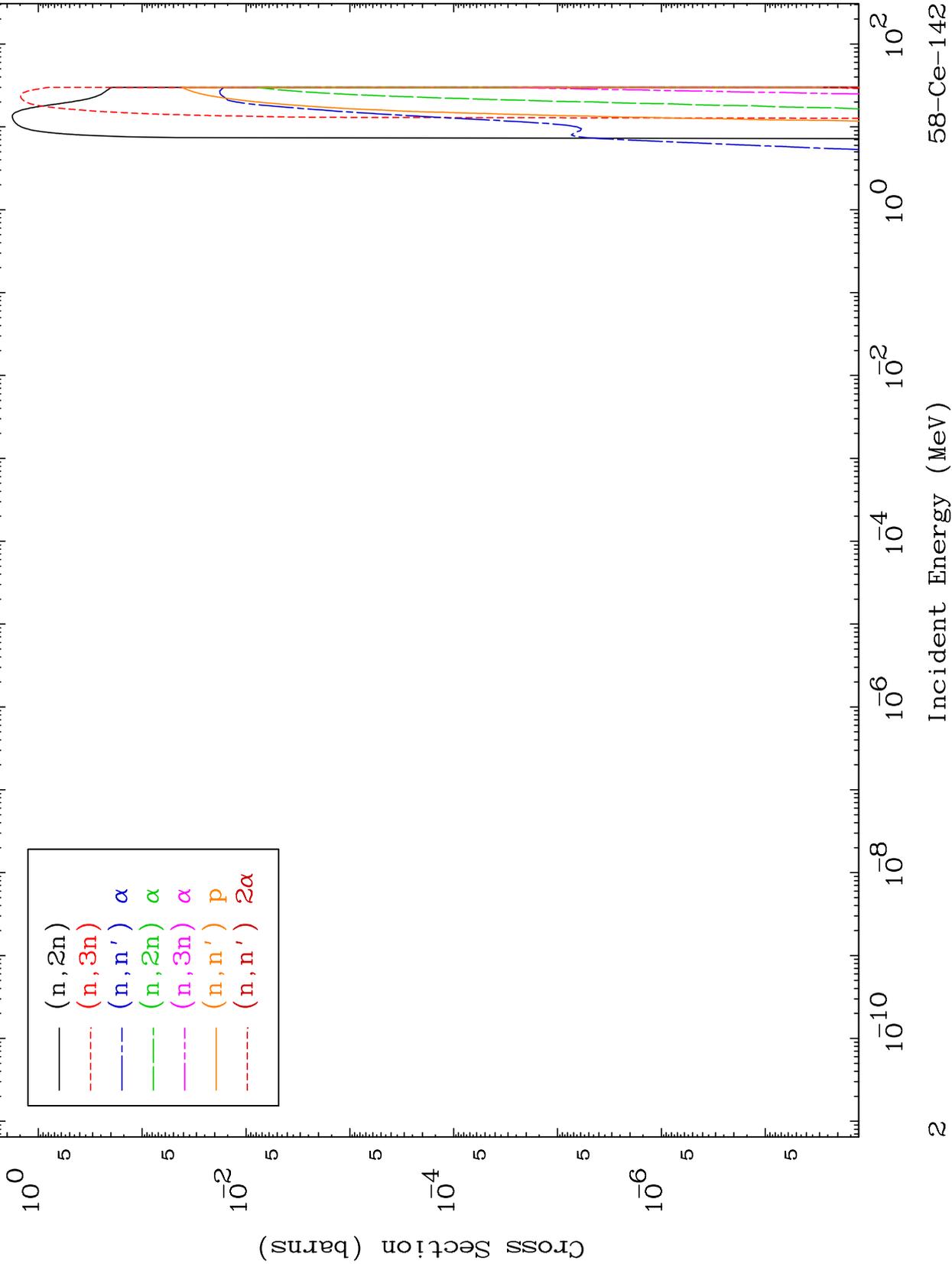
58-Ce-142

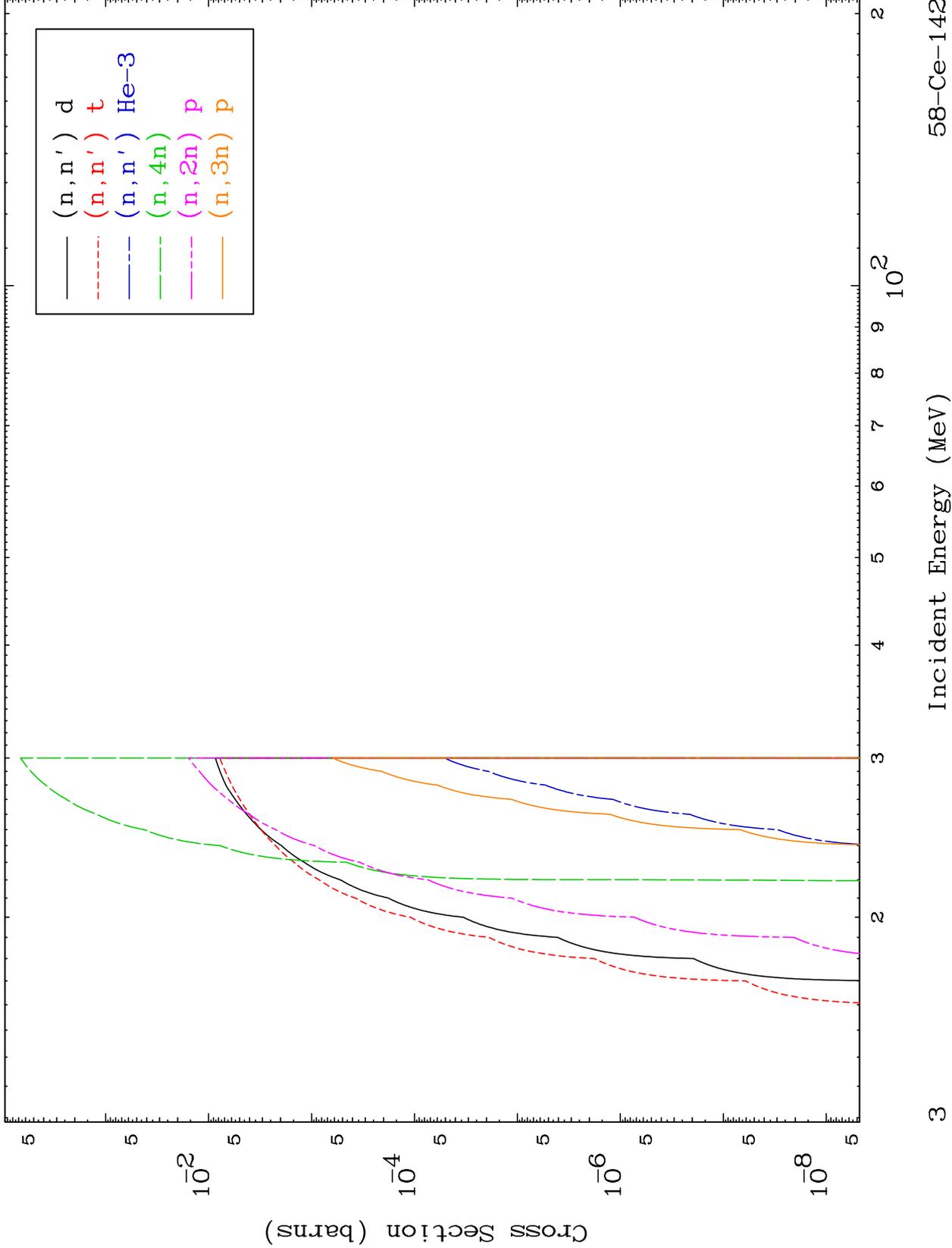


MAT 5843

Neutron Production
293 Kelvin Cross Sections

58-Ce-142

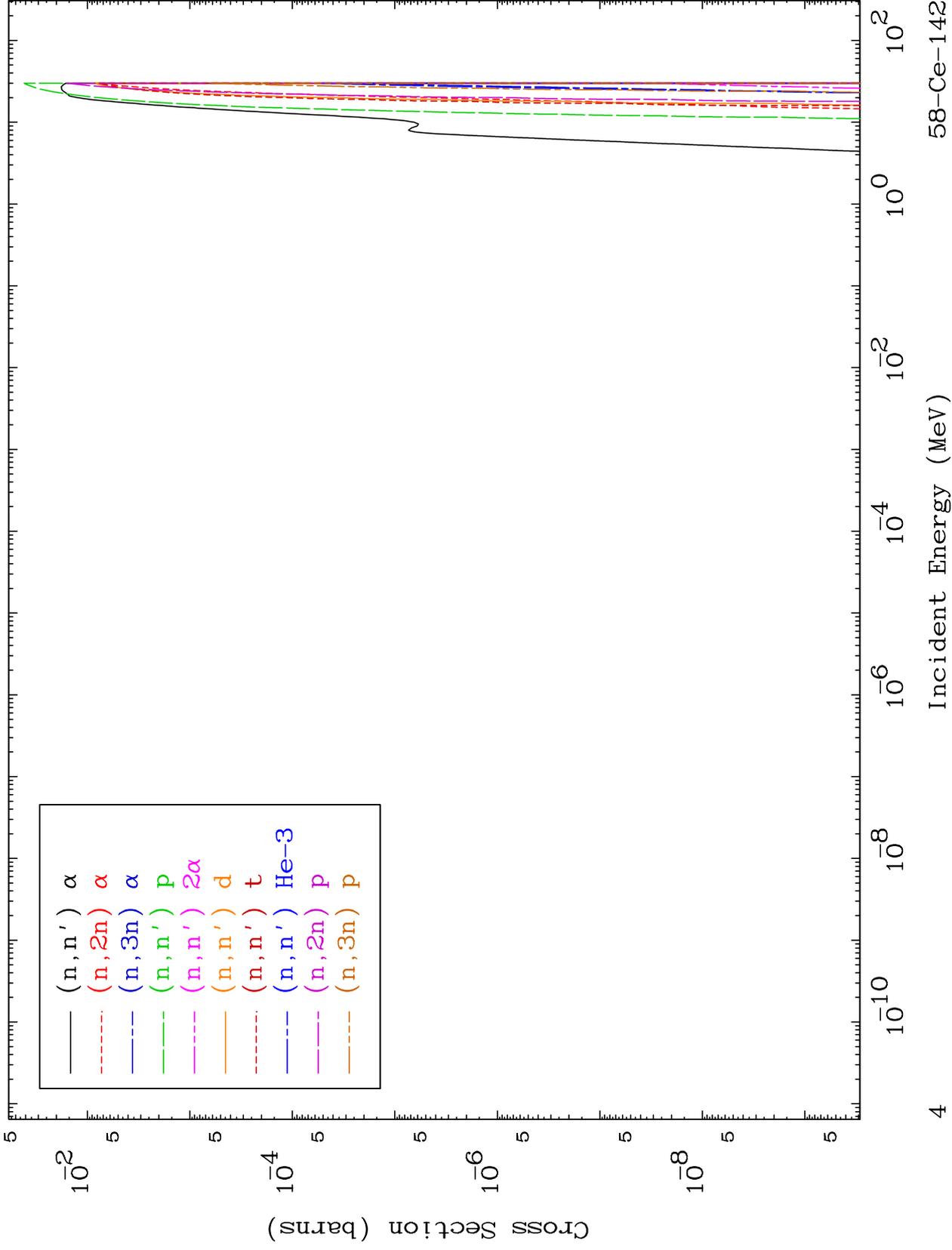




MAT 5843

Charged Particle
293 Kelvin Cross Sections

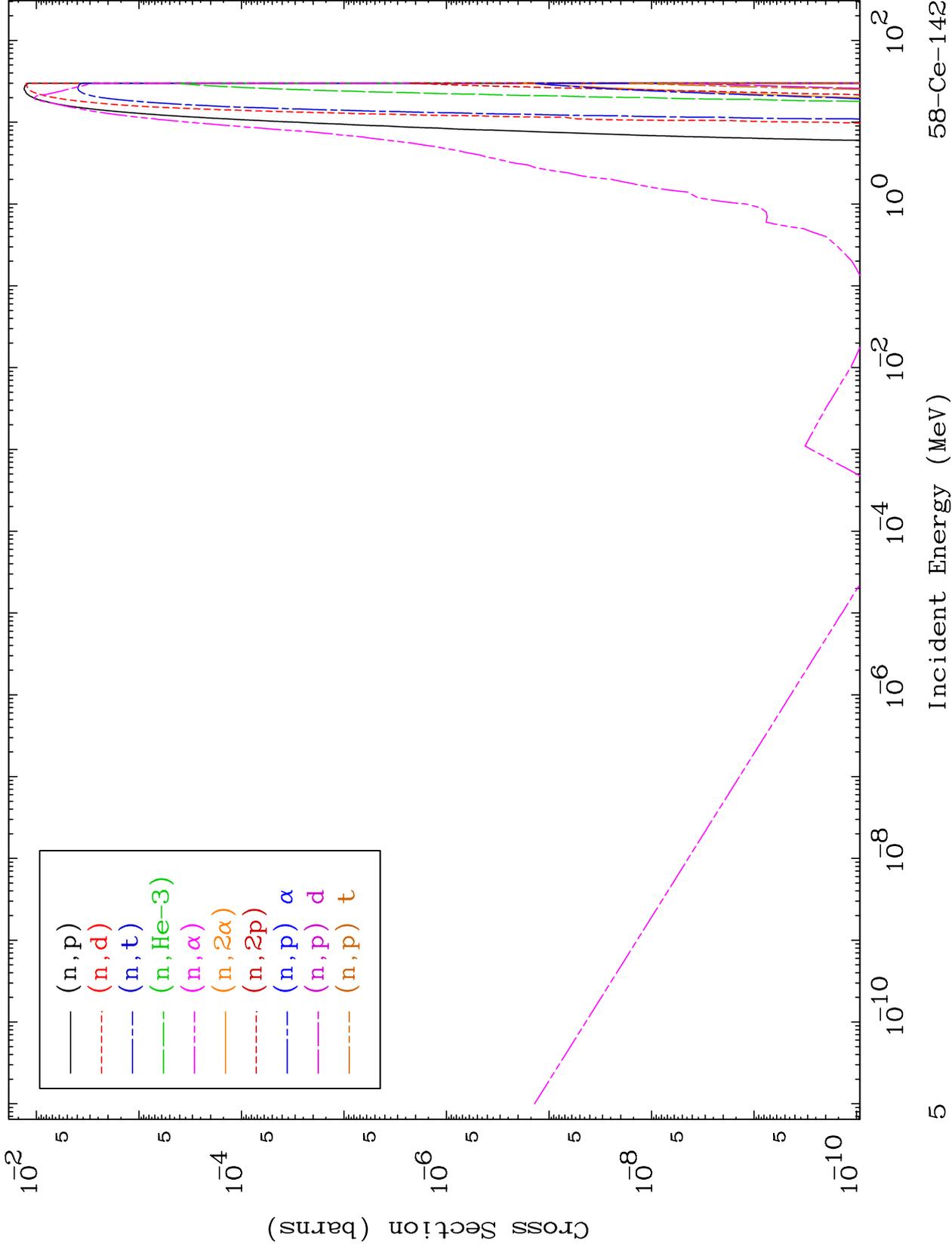
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MAT 5843

Charged Particle
293 Kelvin Cross Sections

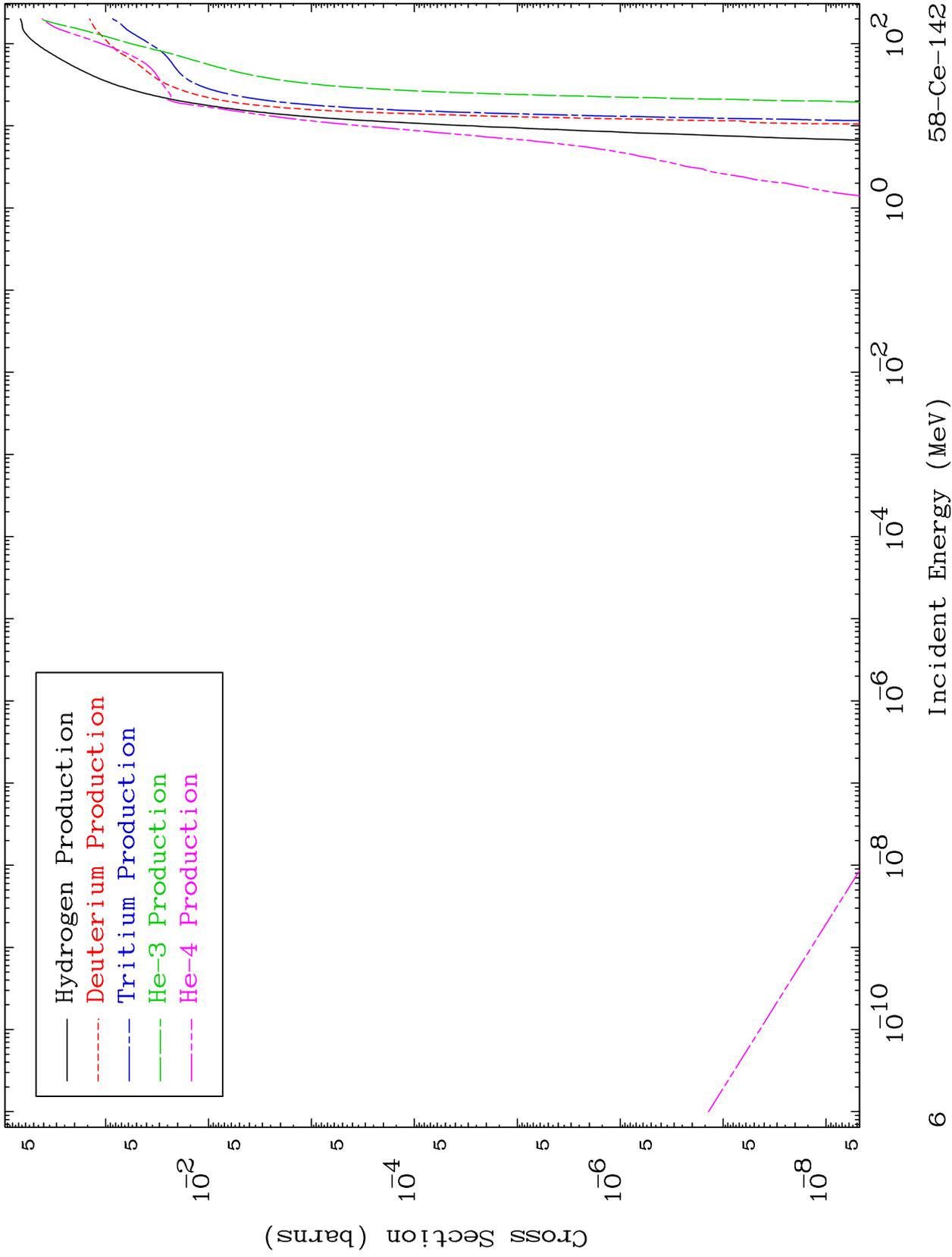
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MAT 5843

Particle Production
293 Kelvin Cross Sections

58-Ce-142

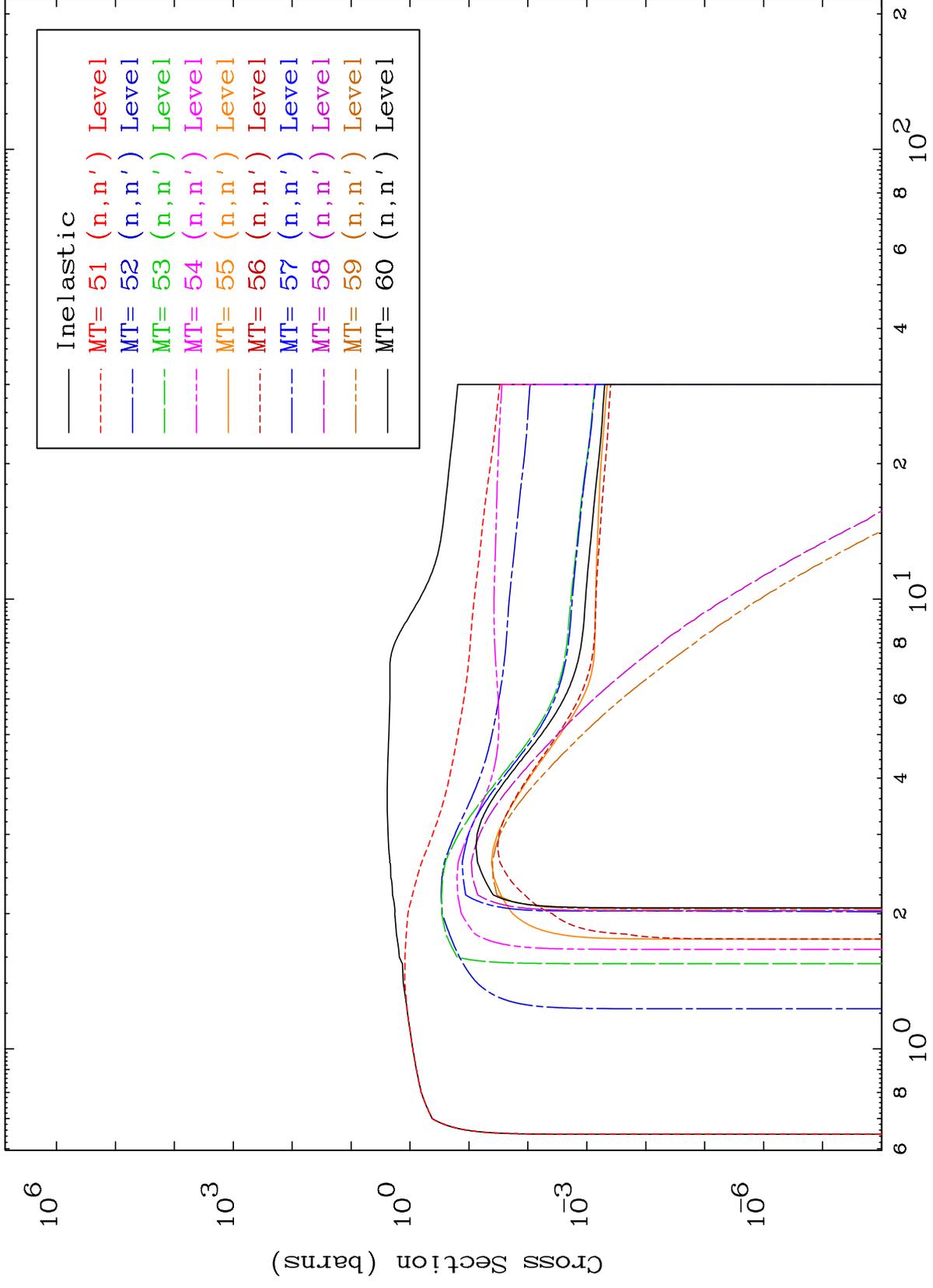


MAT 5843

(n,n') Level

58-Ce-142

293 Kelvin Cross Sections

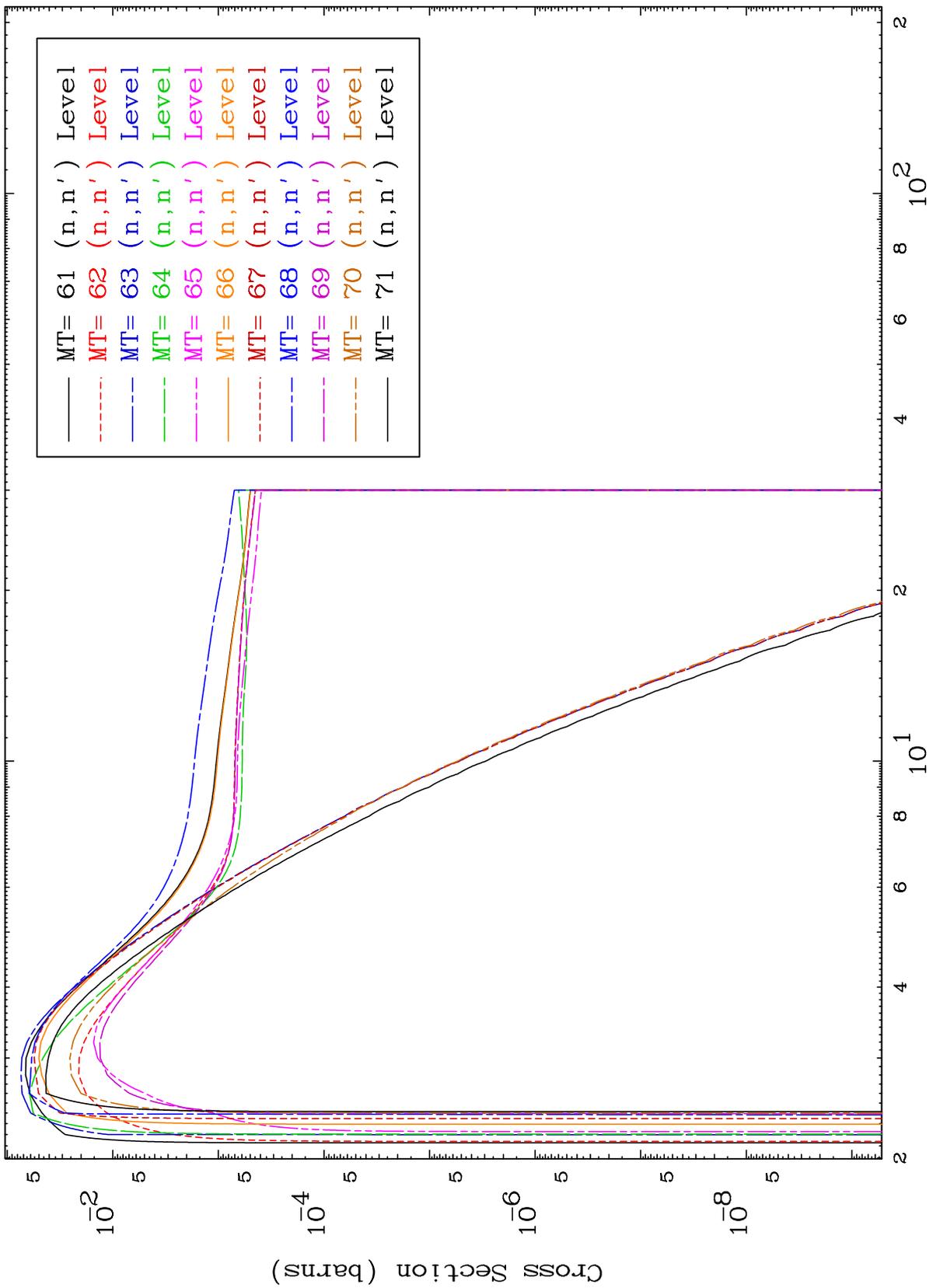


MAT 5843

(n,n') Level

58-Ce-142

293 Kelvin Cross Sections



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Incident Energy (MeV)

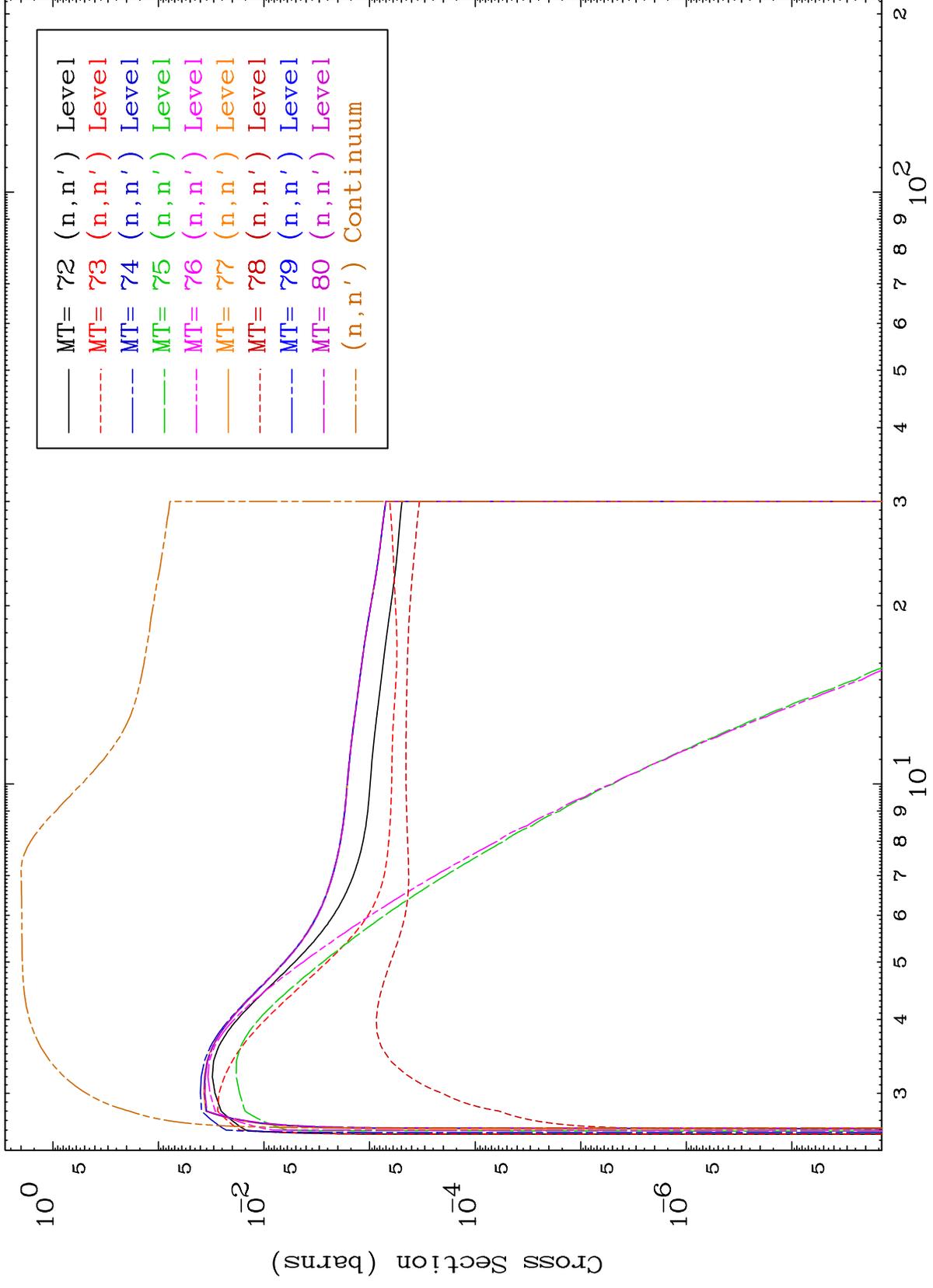
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MAT 5843

(n,n') Level

58-Ce-142

293 Kelvin Cross Sections



9

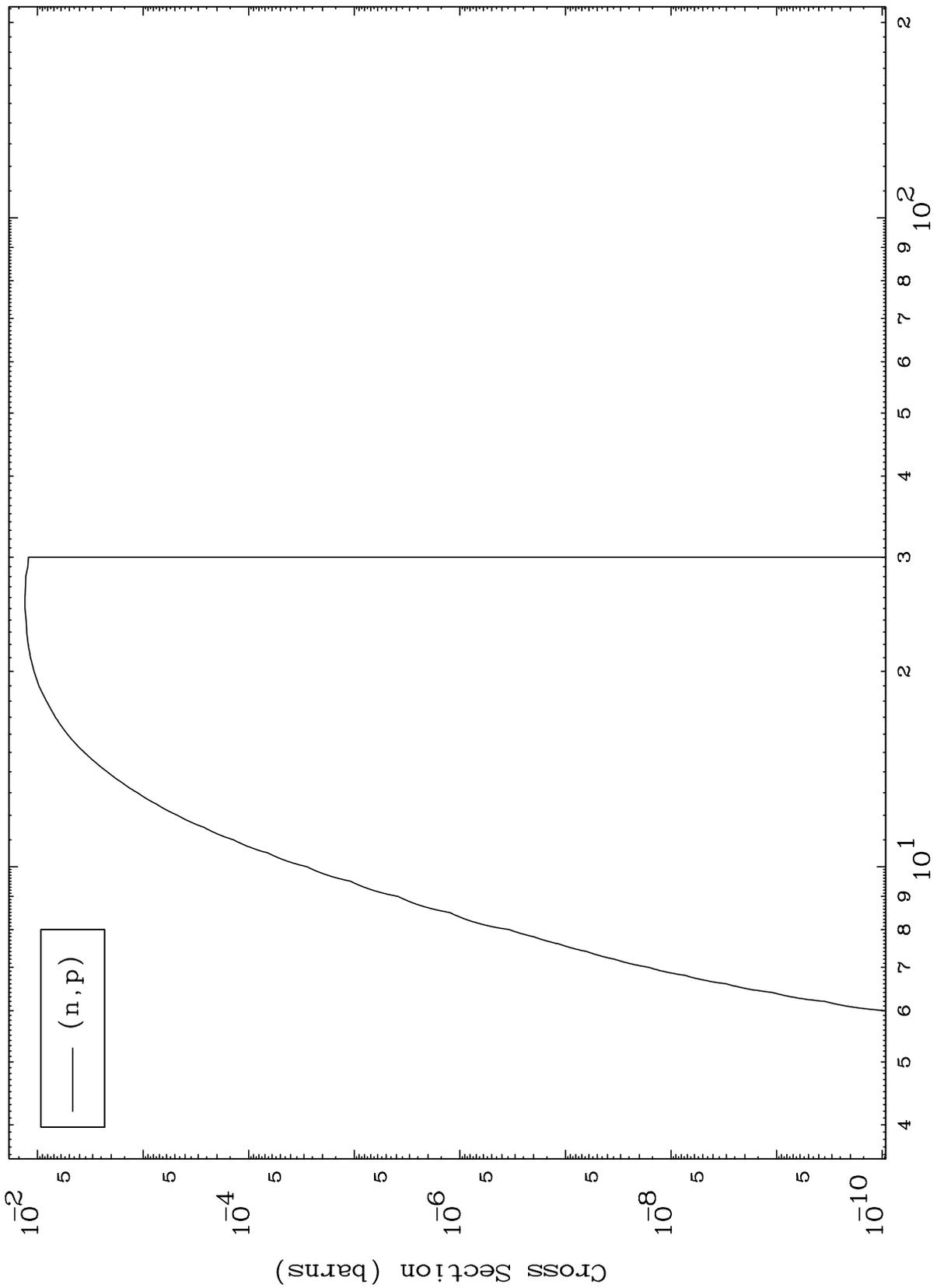
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58-Ce-142

MAT 5843

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-142



10

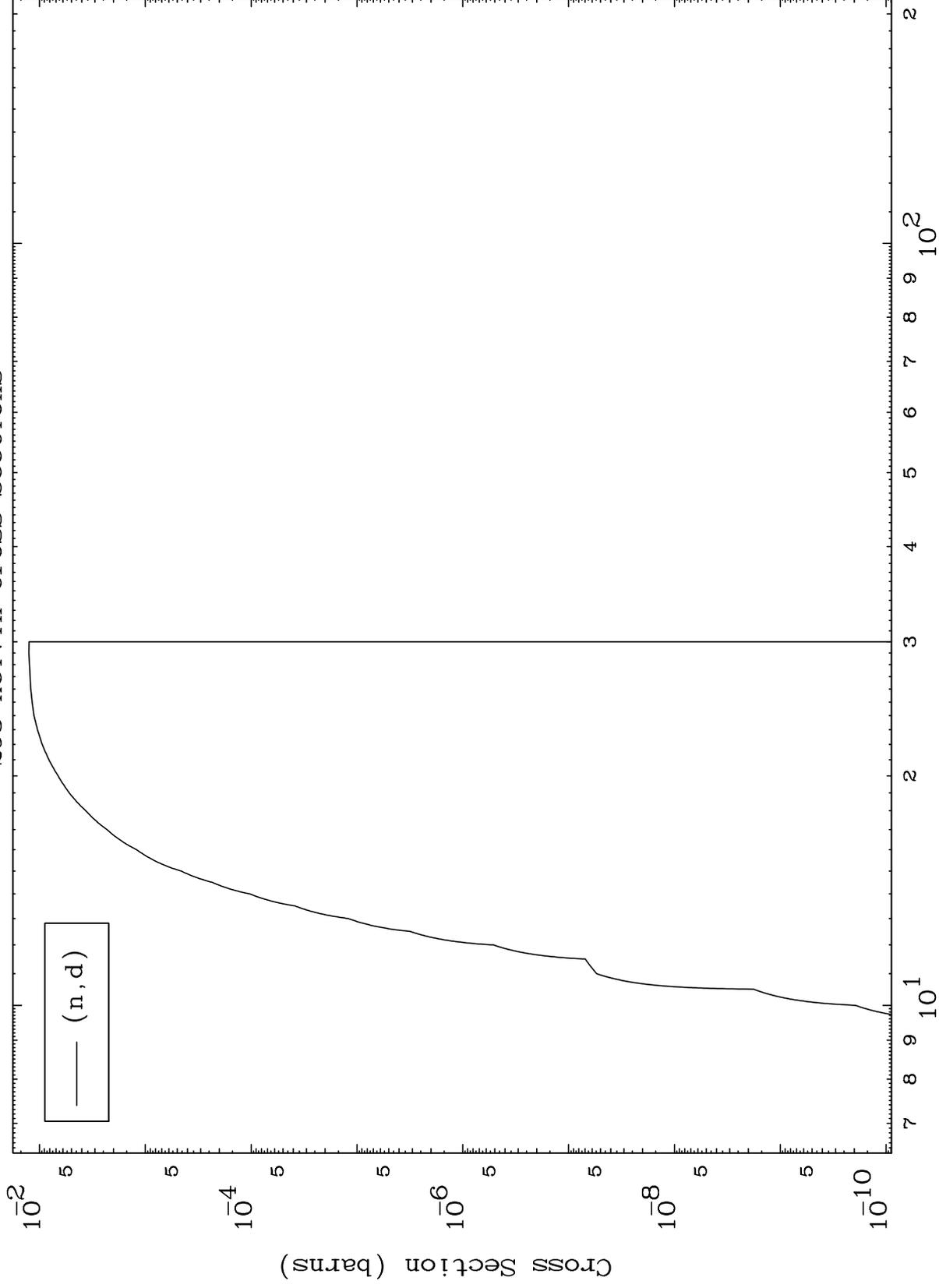
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58-Ce-142

MAT 5843

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-142



11

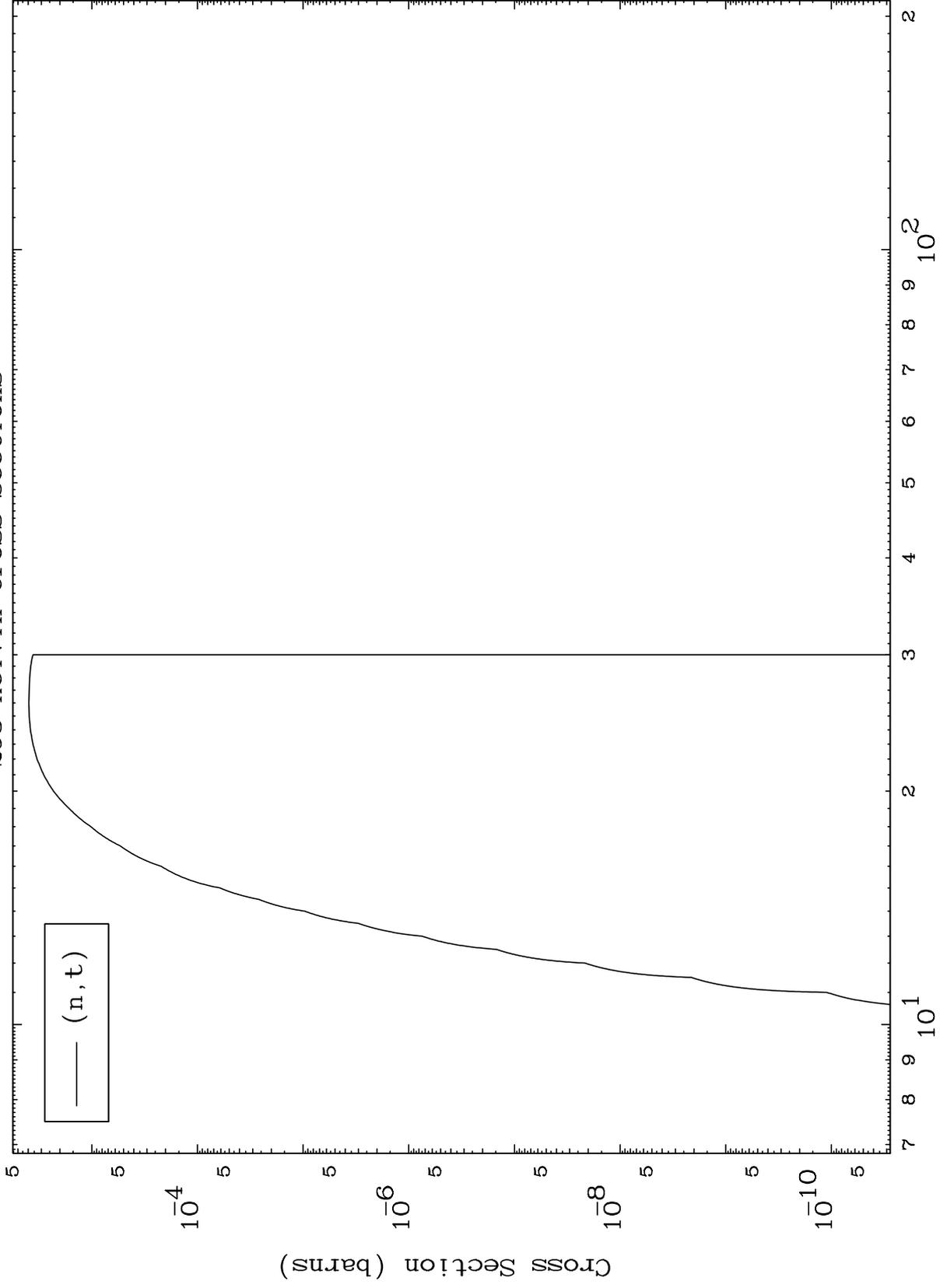
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MAT 5843

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-142



12

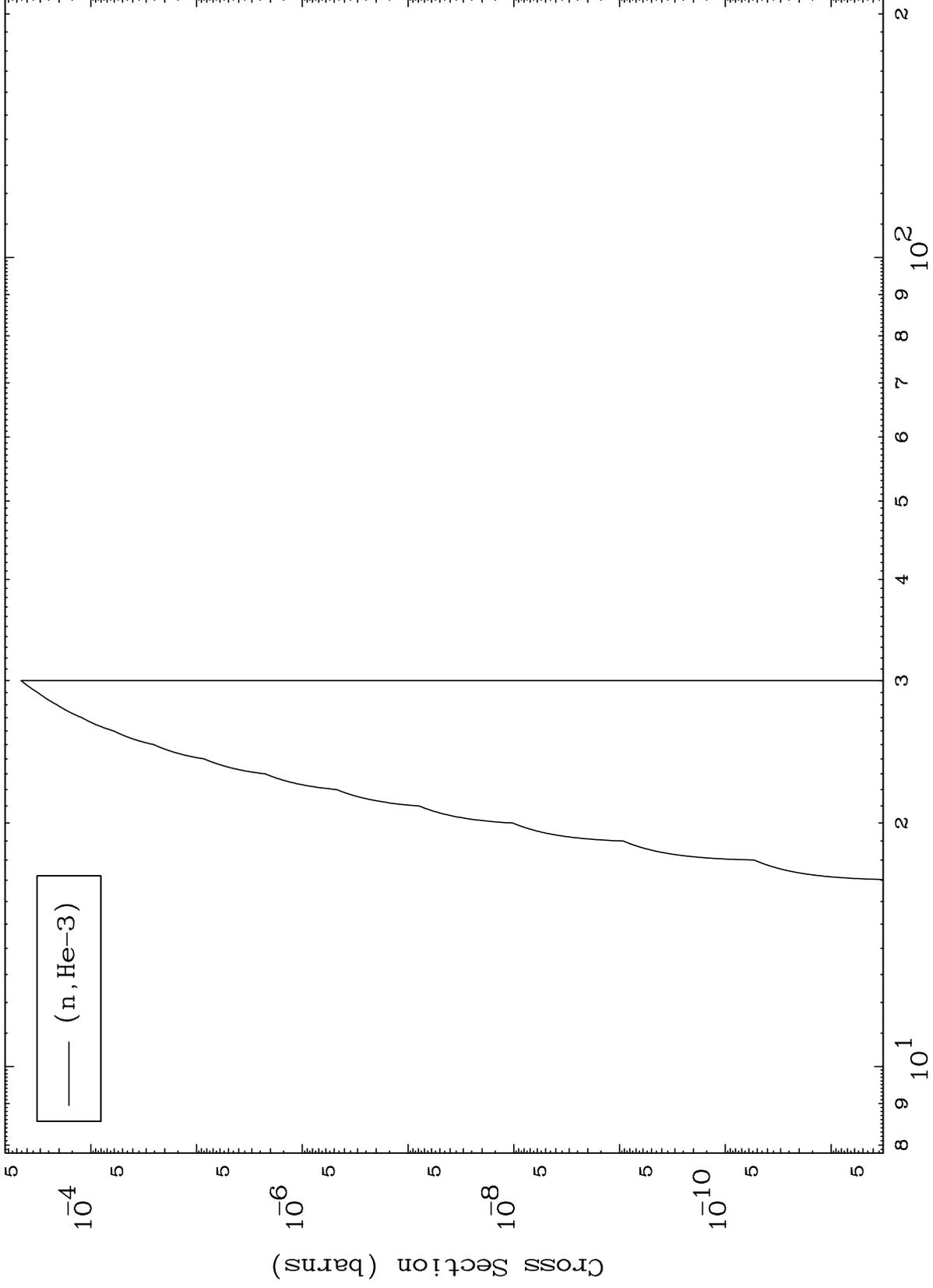
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MAT 5843

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-142



13

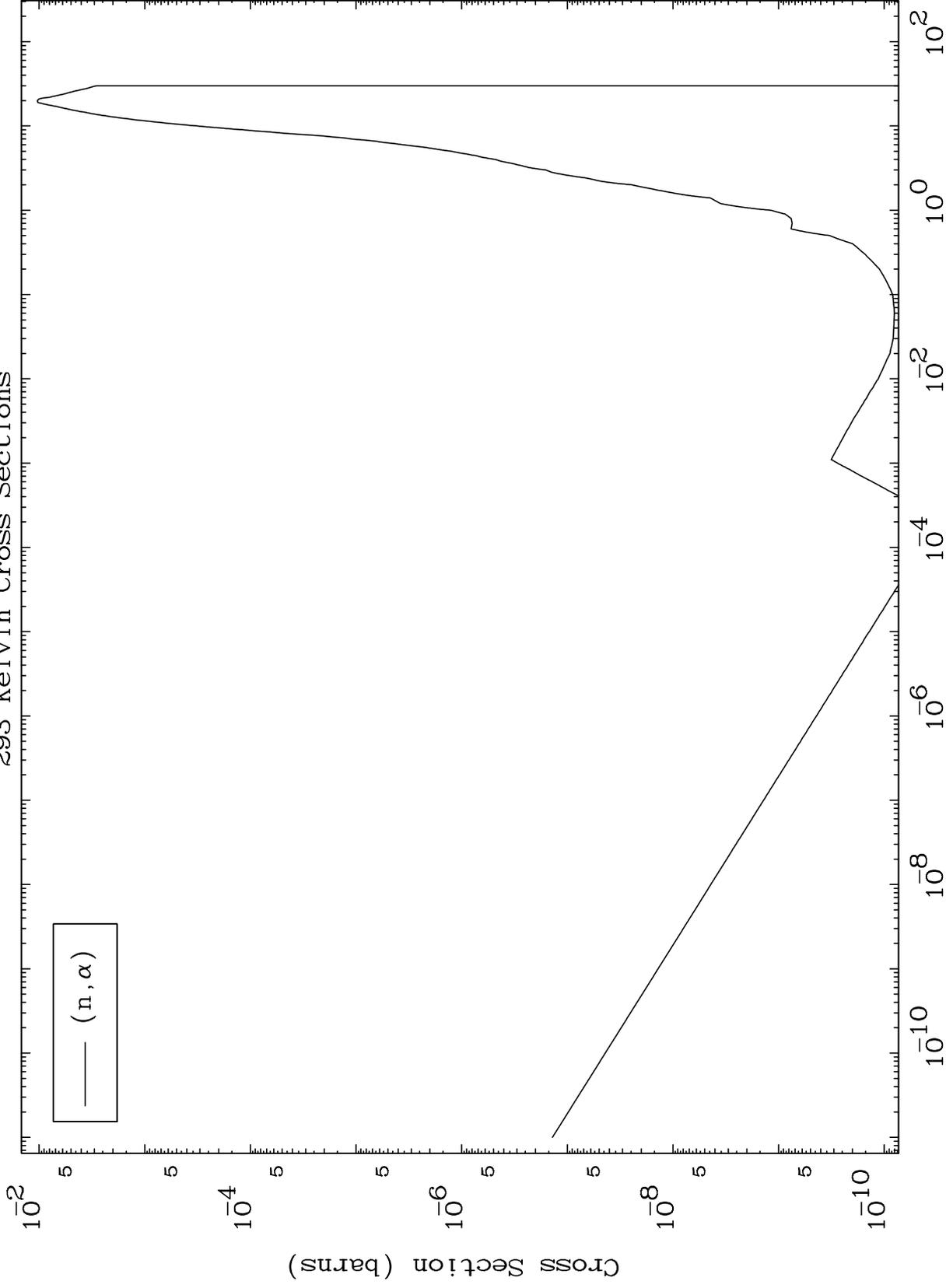
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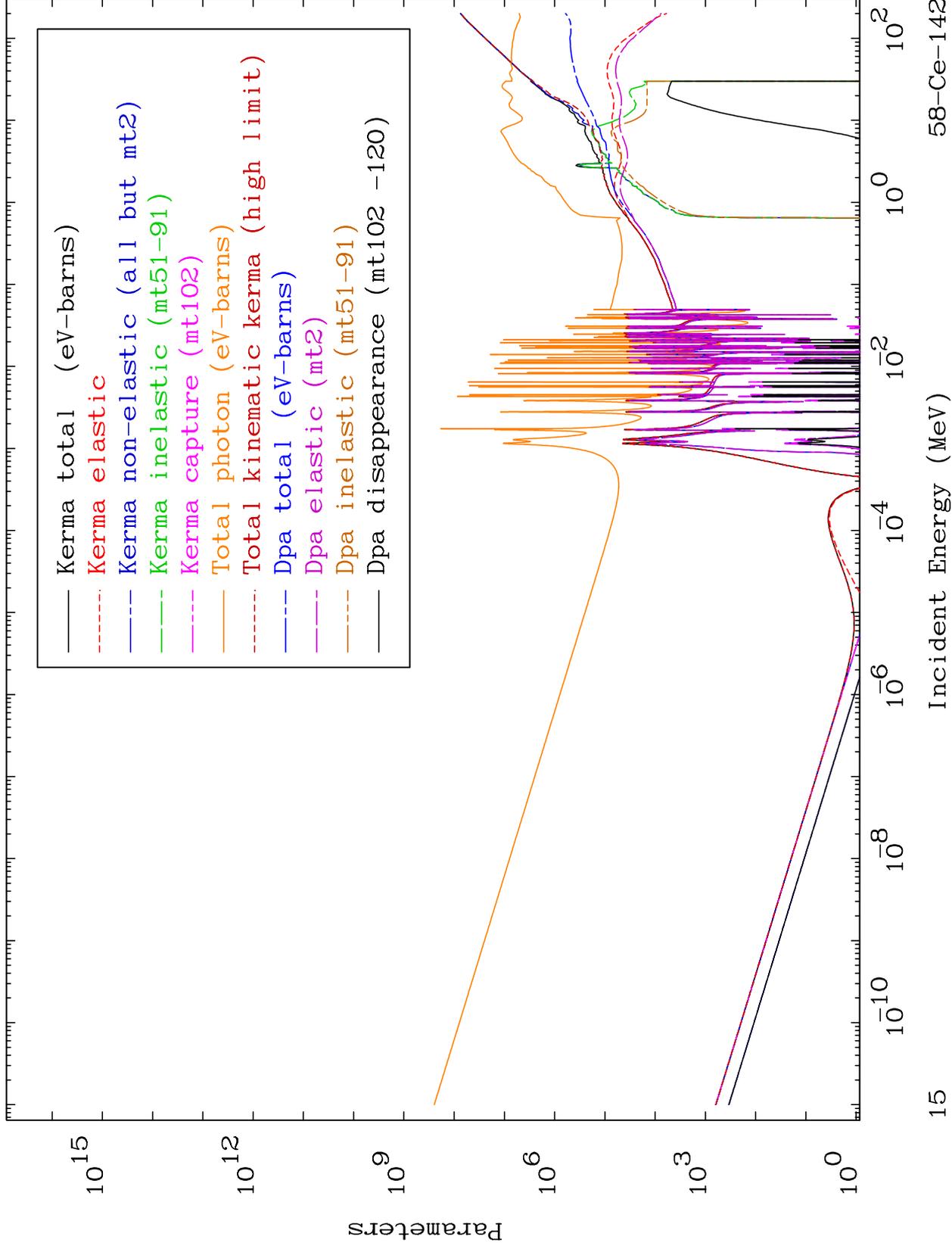
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MAT 5843

(n, α) Levels
293 Kelvin Cross Sections

58-Ce-142

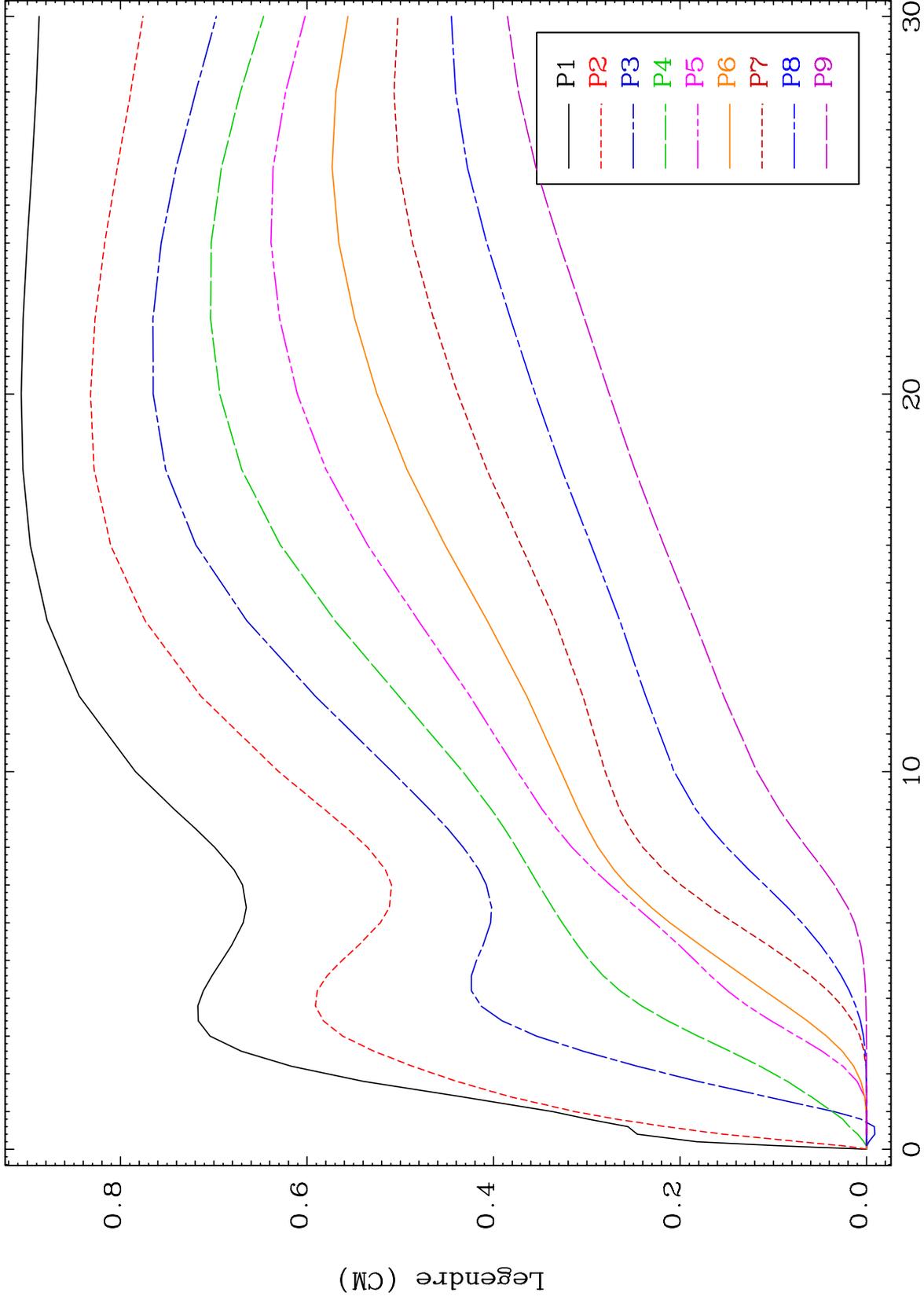




MAT 5843

Elastic Legendre Coefficients

58-Ce-142



16

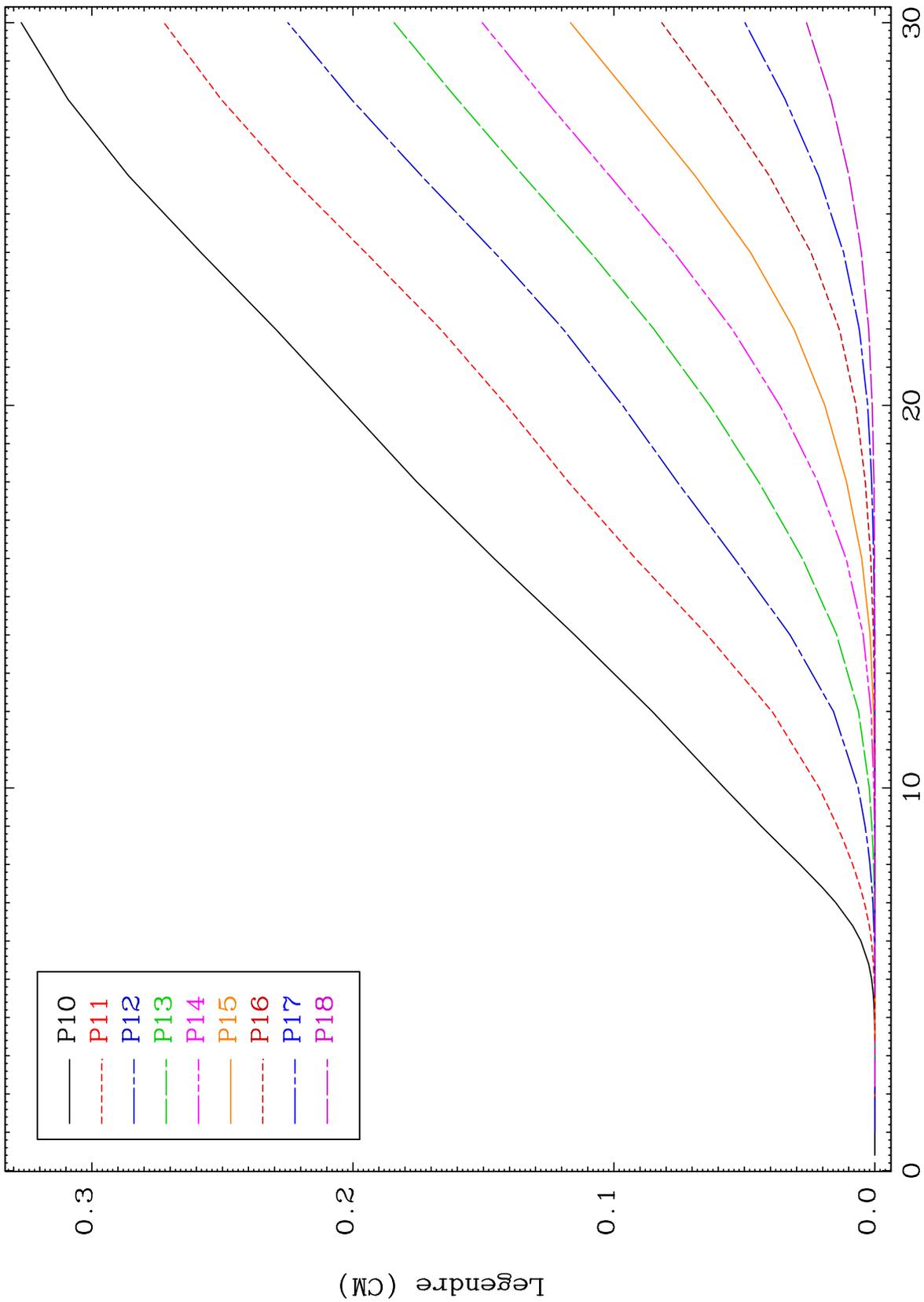
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MAT 5843

Elastic Legendre Coefficients

58-Ce-142



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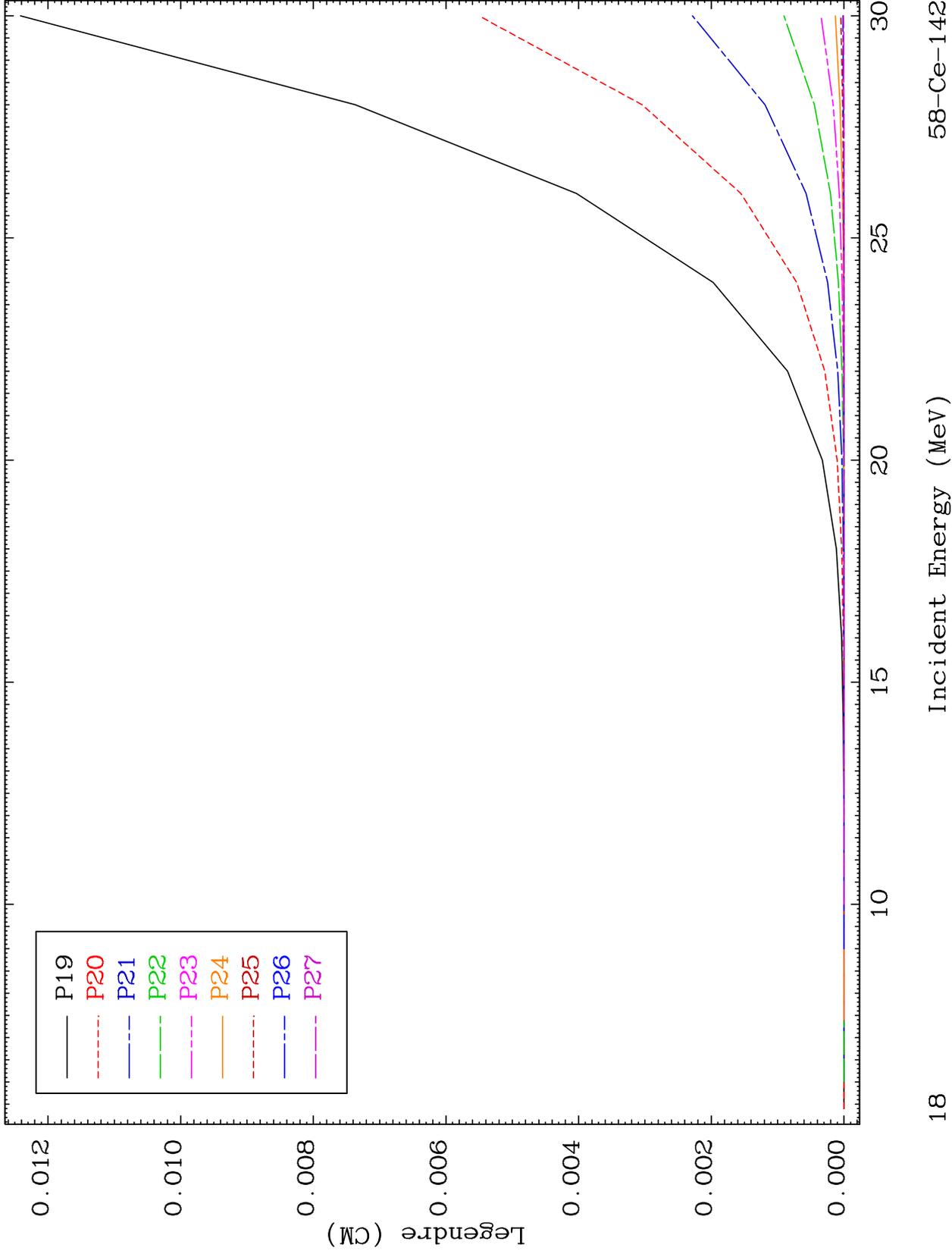
Incident Energy (MeV)

58-Ce-142

MAT 5843

Elastic Legendre Coefficients

58-Ce-142



18

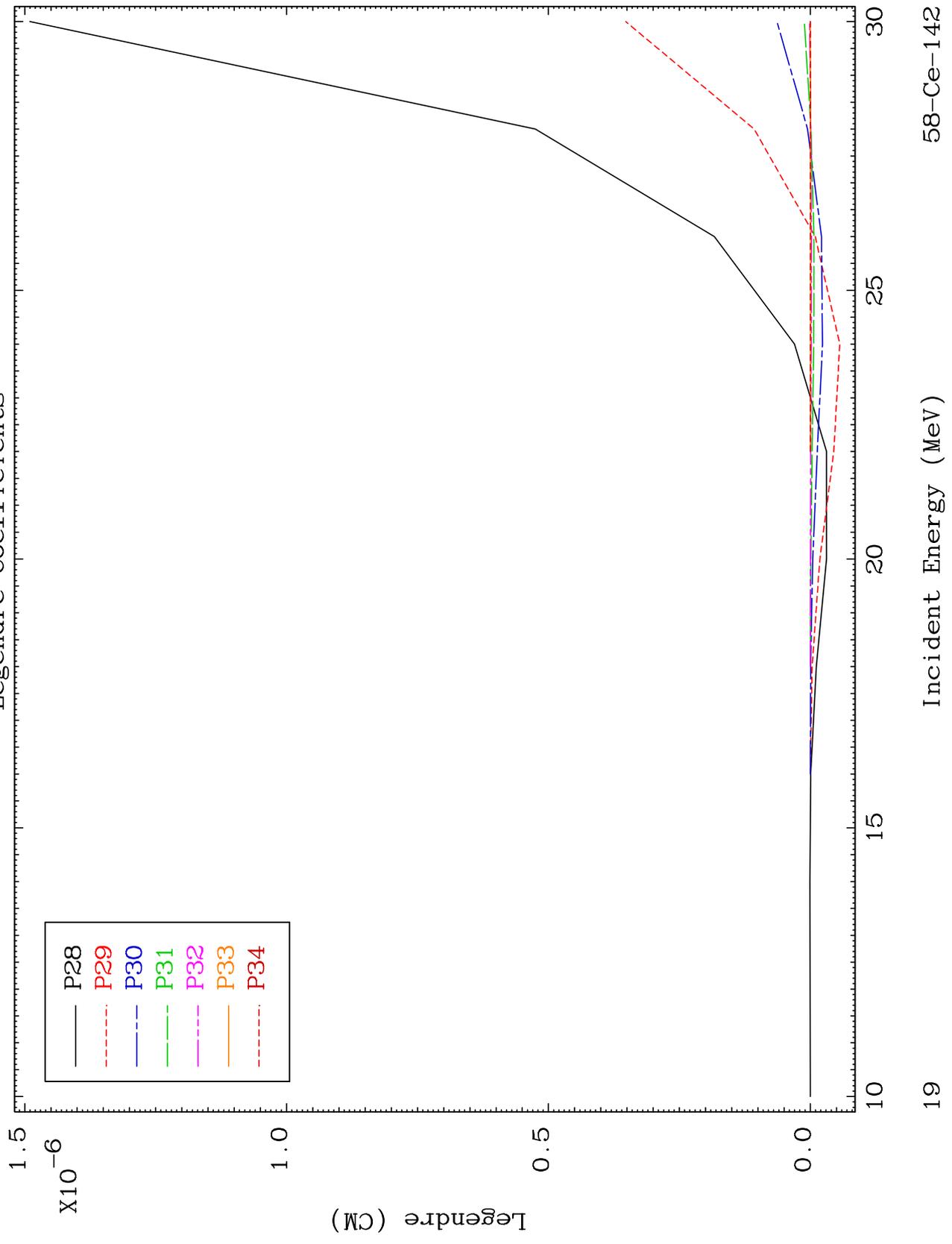
Incident Energy (MeV)

58-Ce-142

MAT 5843

Elastic Legendre Coefficients

58-Ce-142



58-Ce-142

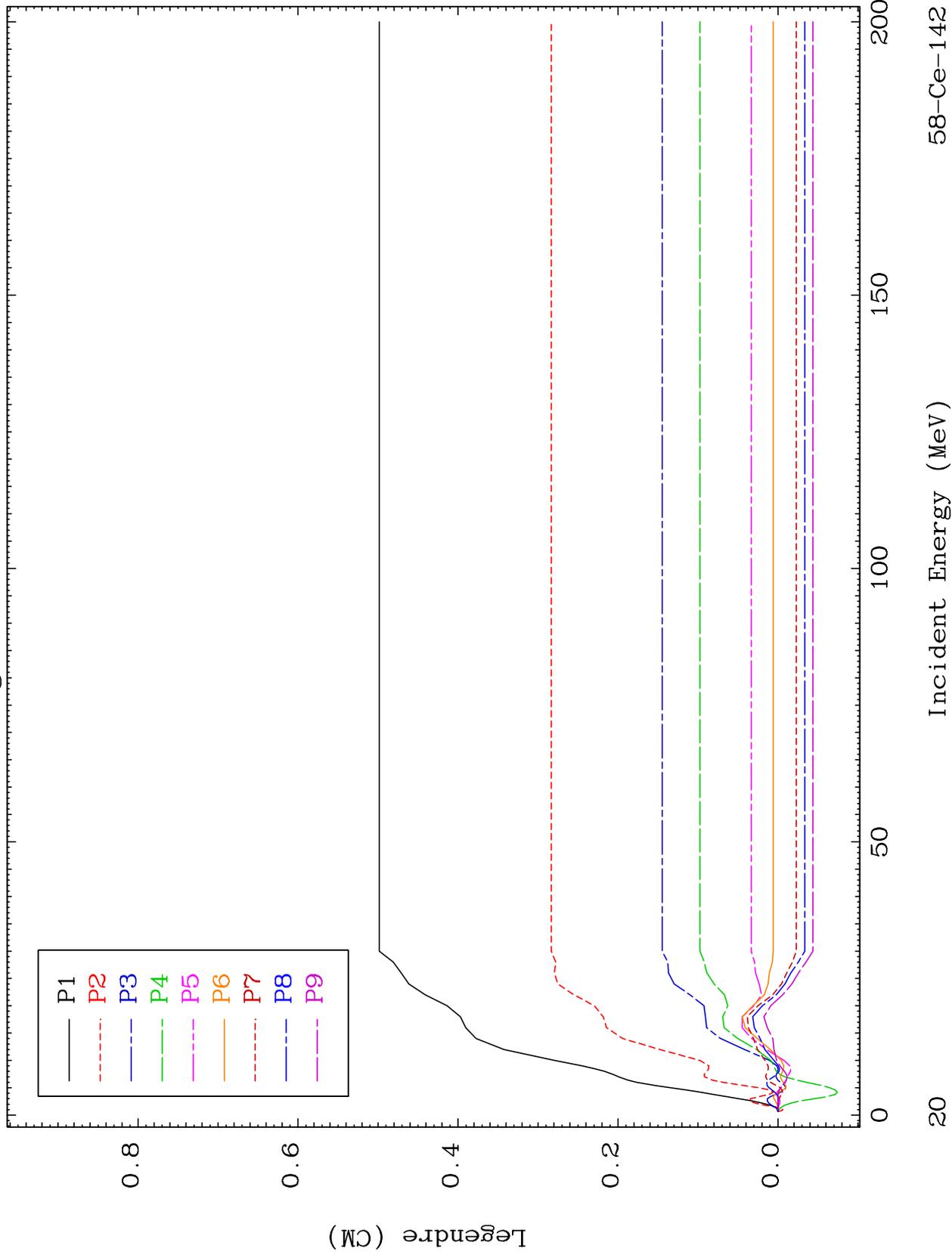
Incident Energy (MeV)

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MAT 5843

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

58-Ce-142



58-Ce-142

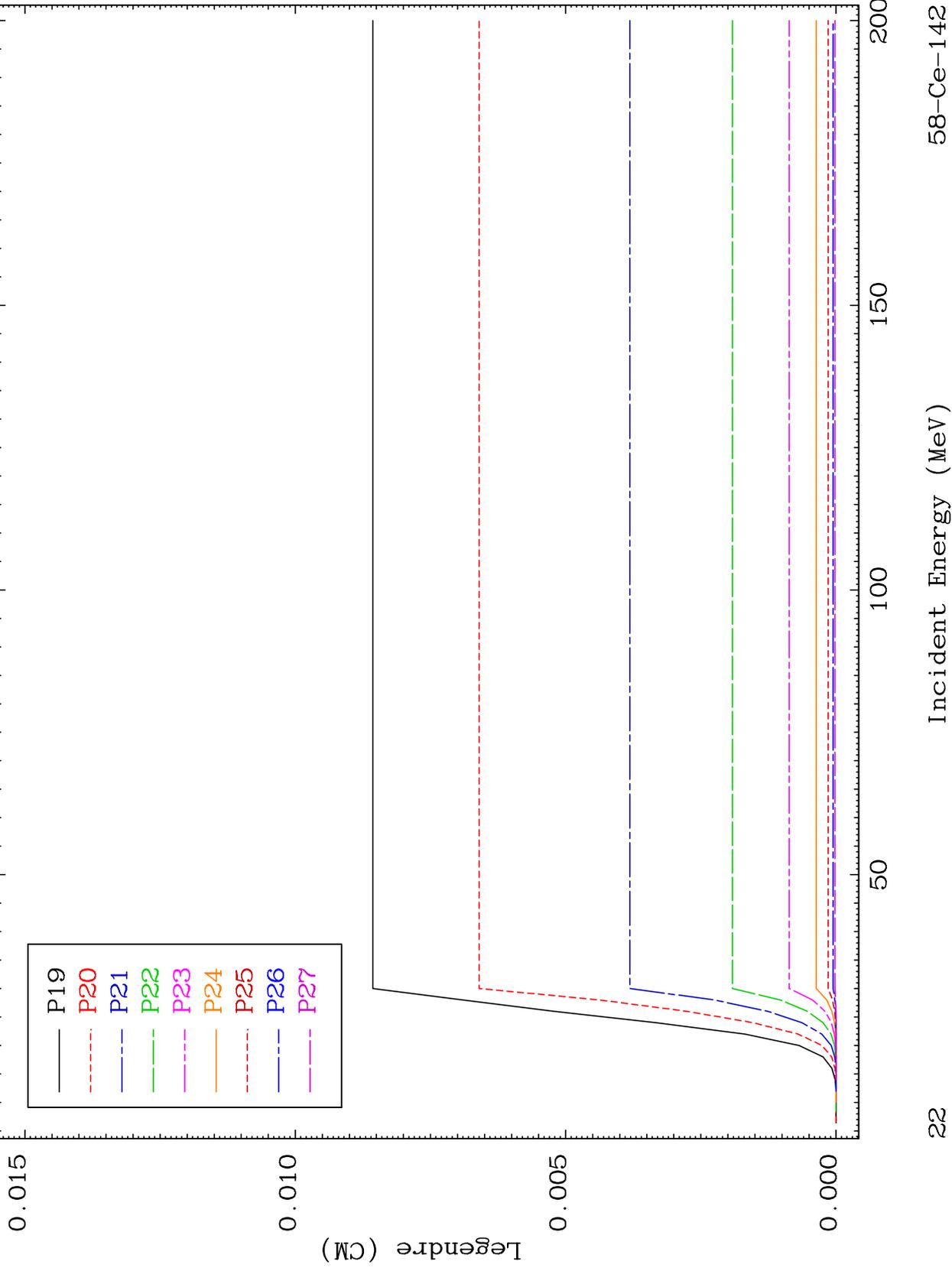
Incident Energy (MeV)

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

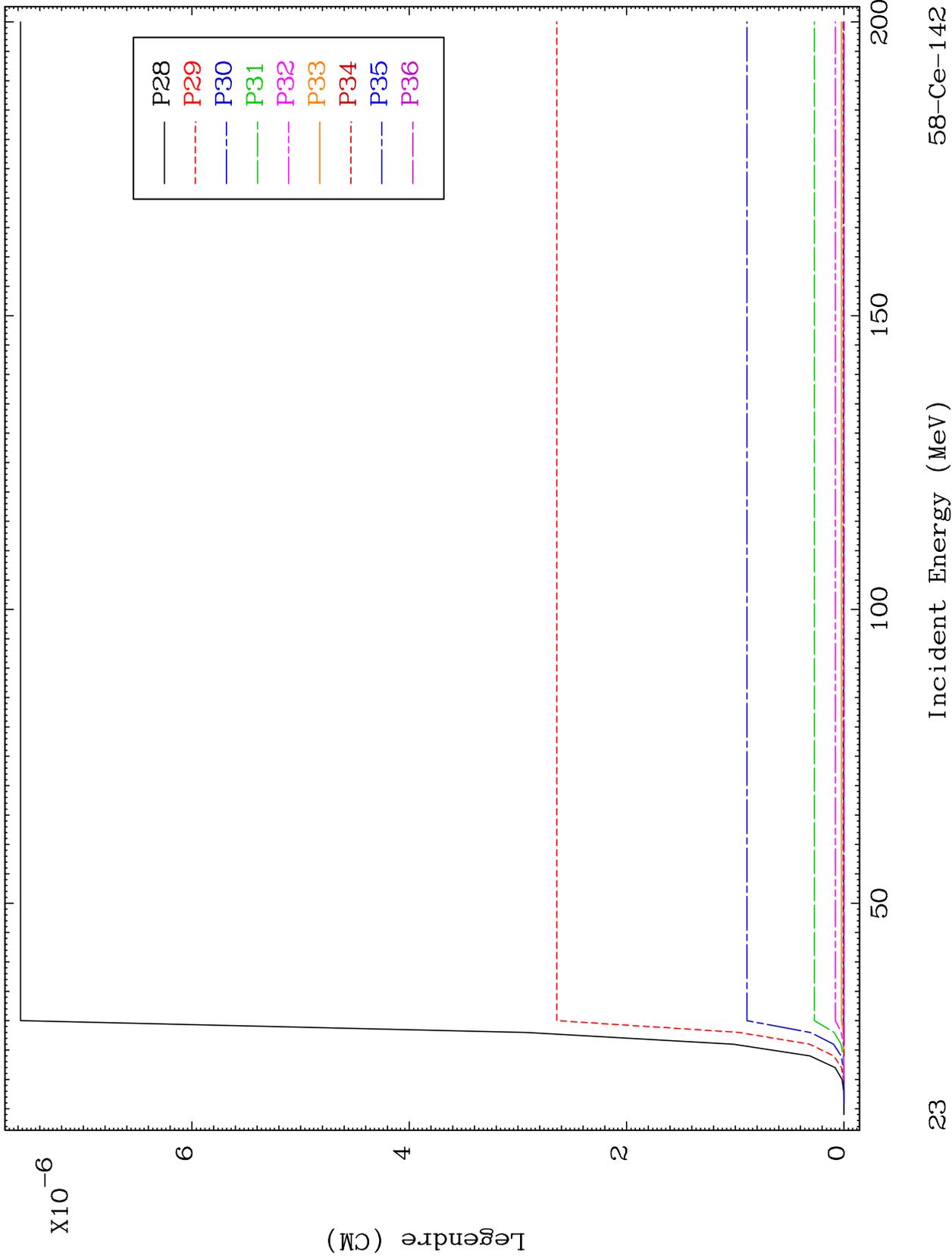
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MAT 5843

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

58-Ce-142



23

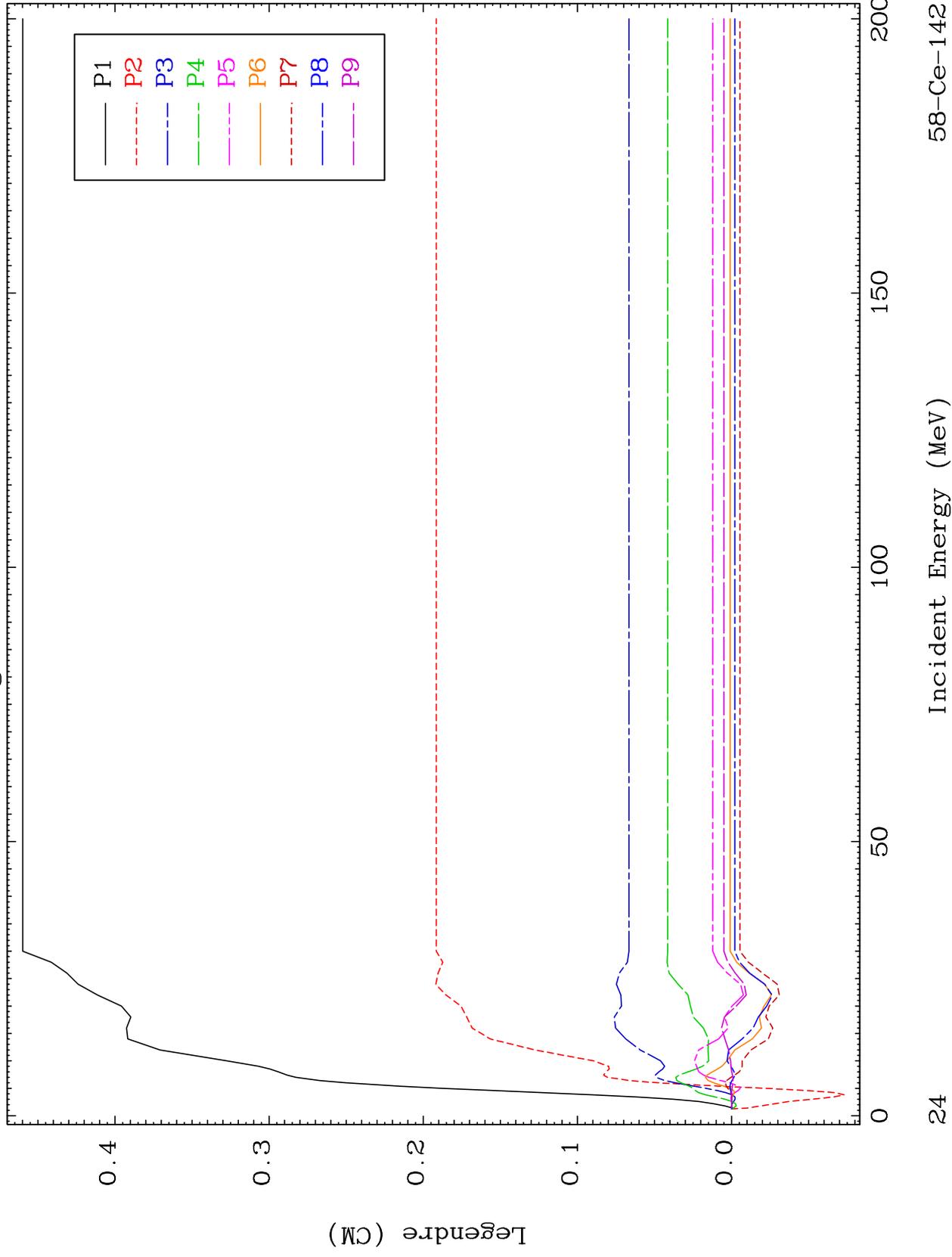
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

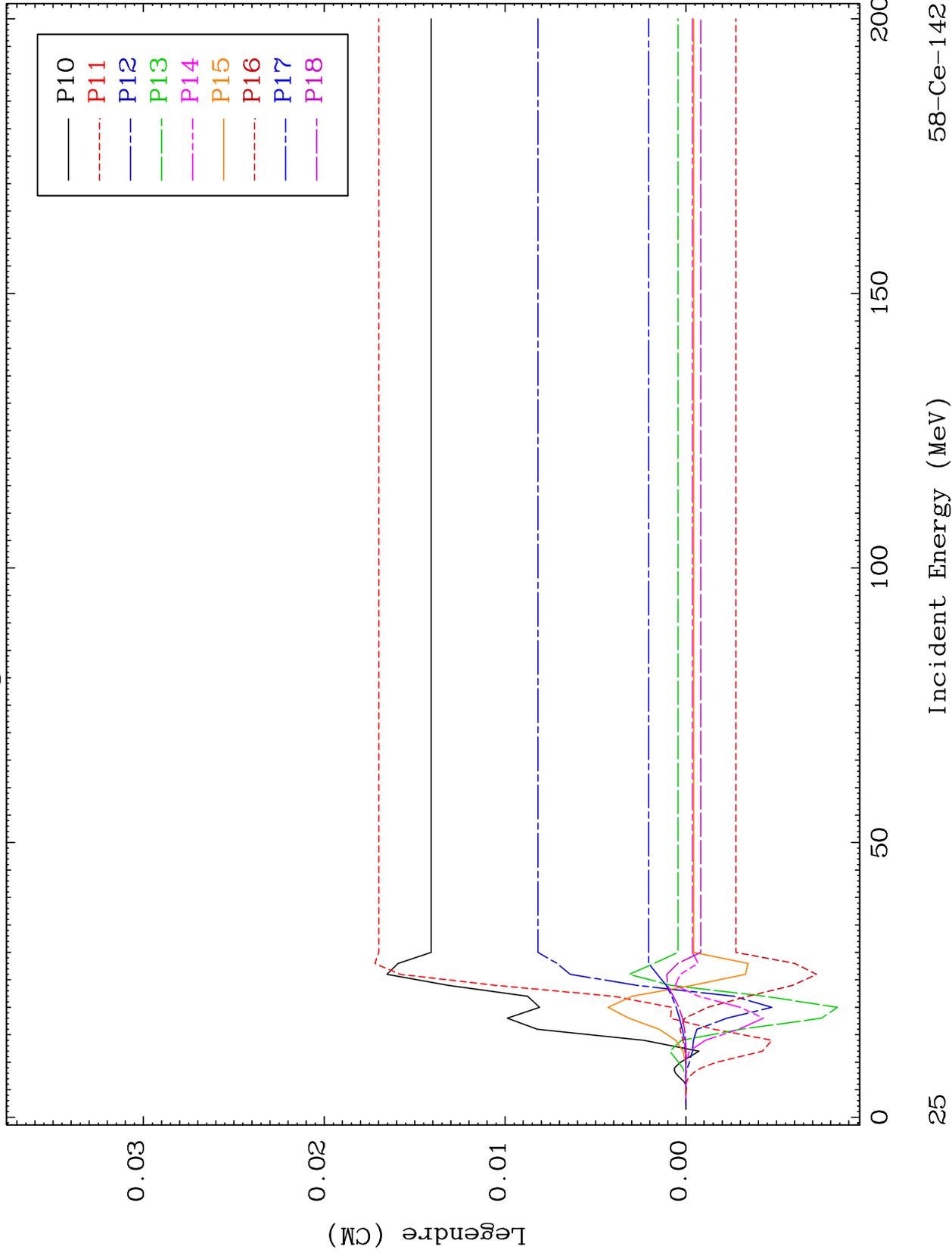
Incident Energy (MeV)

24

MAT 5843

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

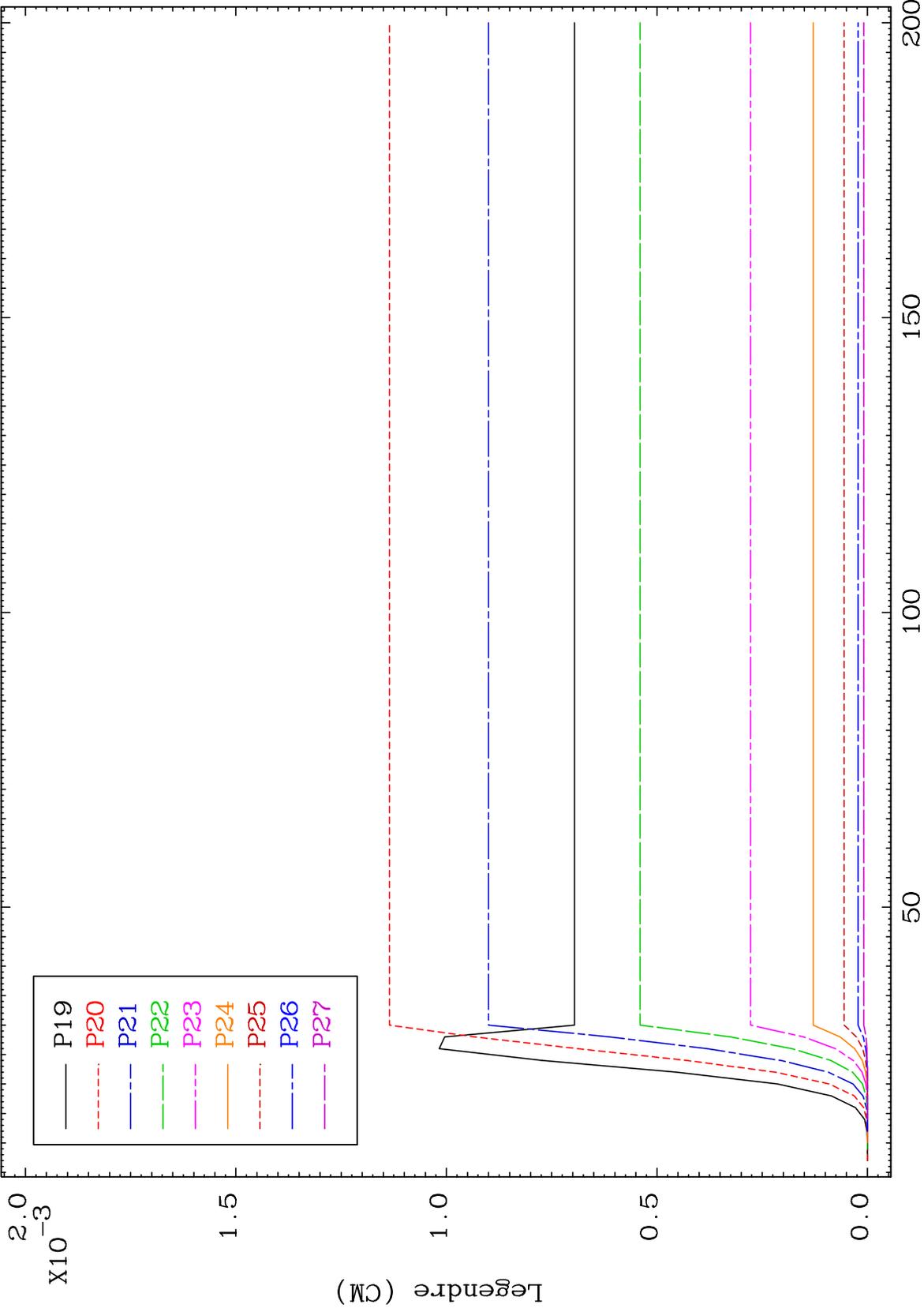
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58-Ce-142

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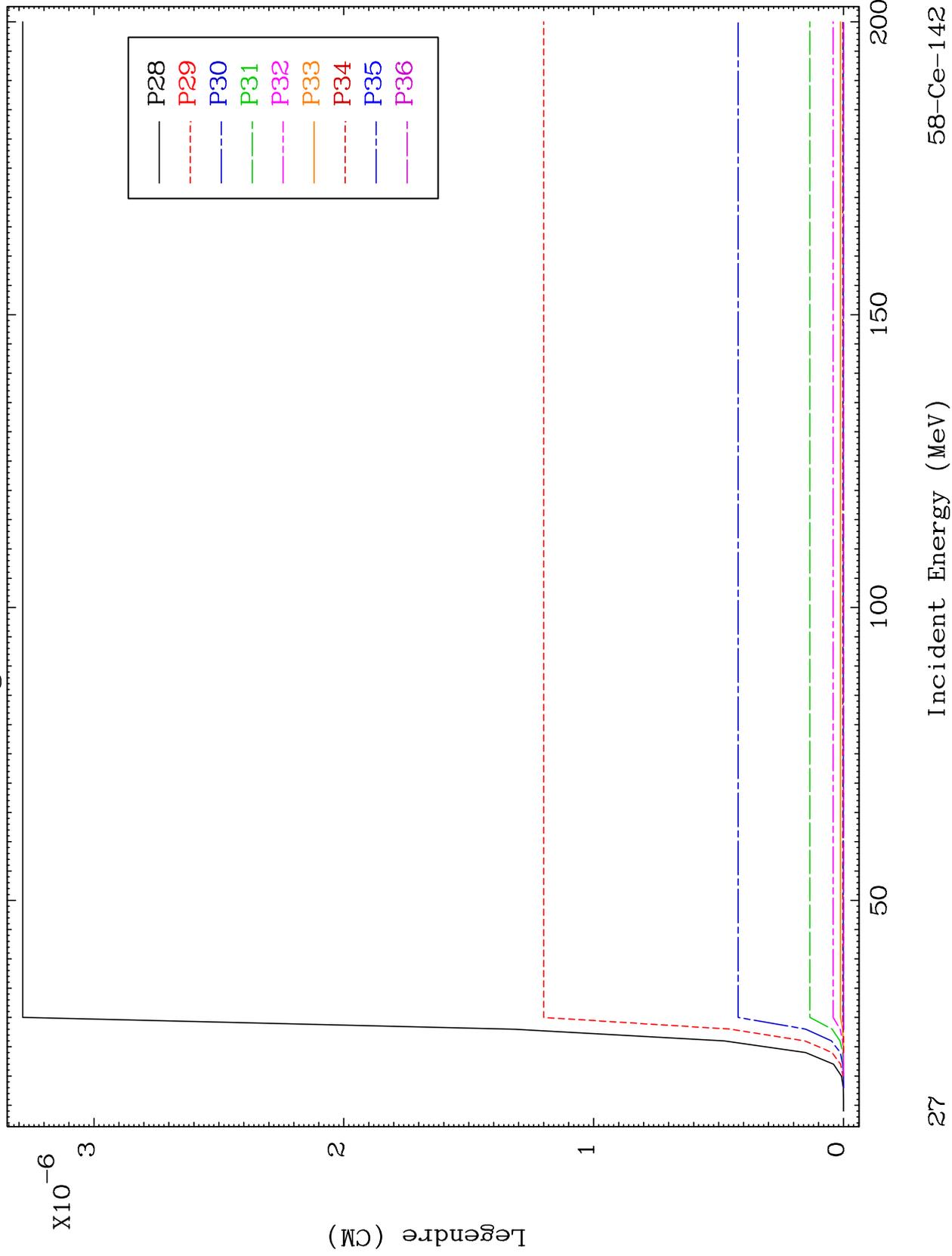
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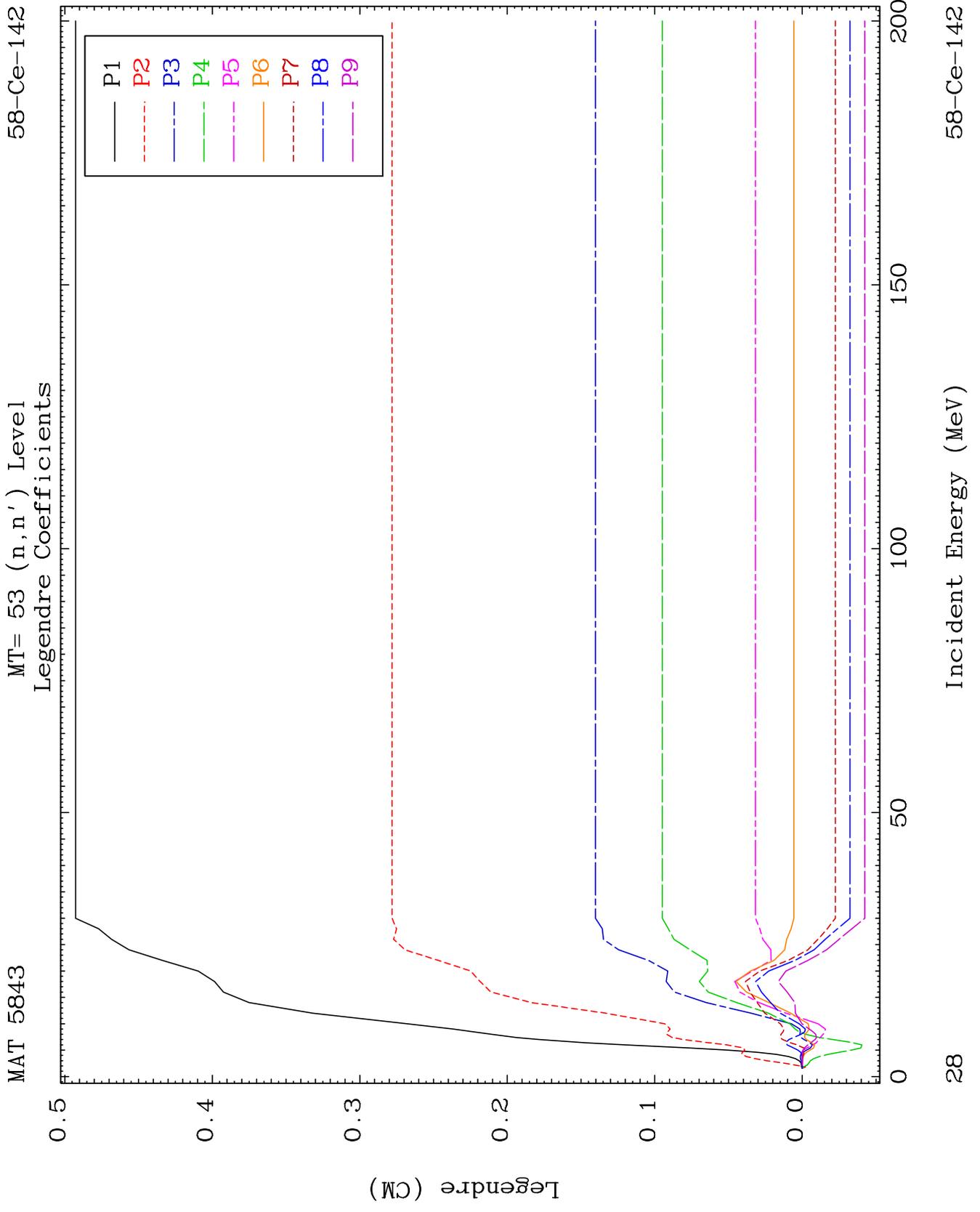


MAT 5843

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

58-Ce-142

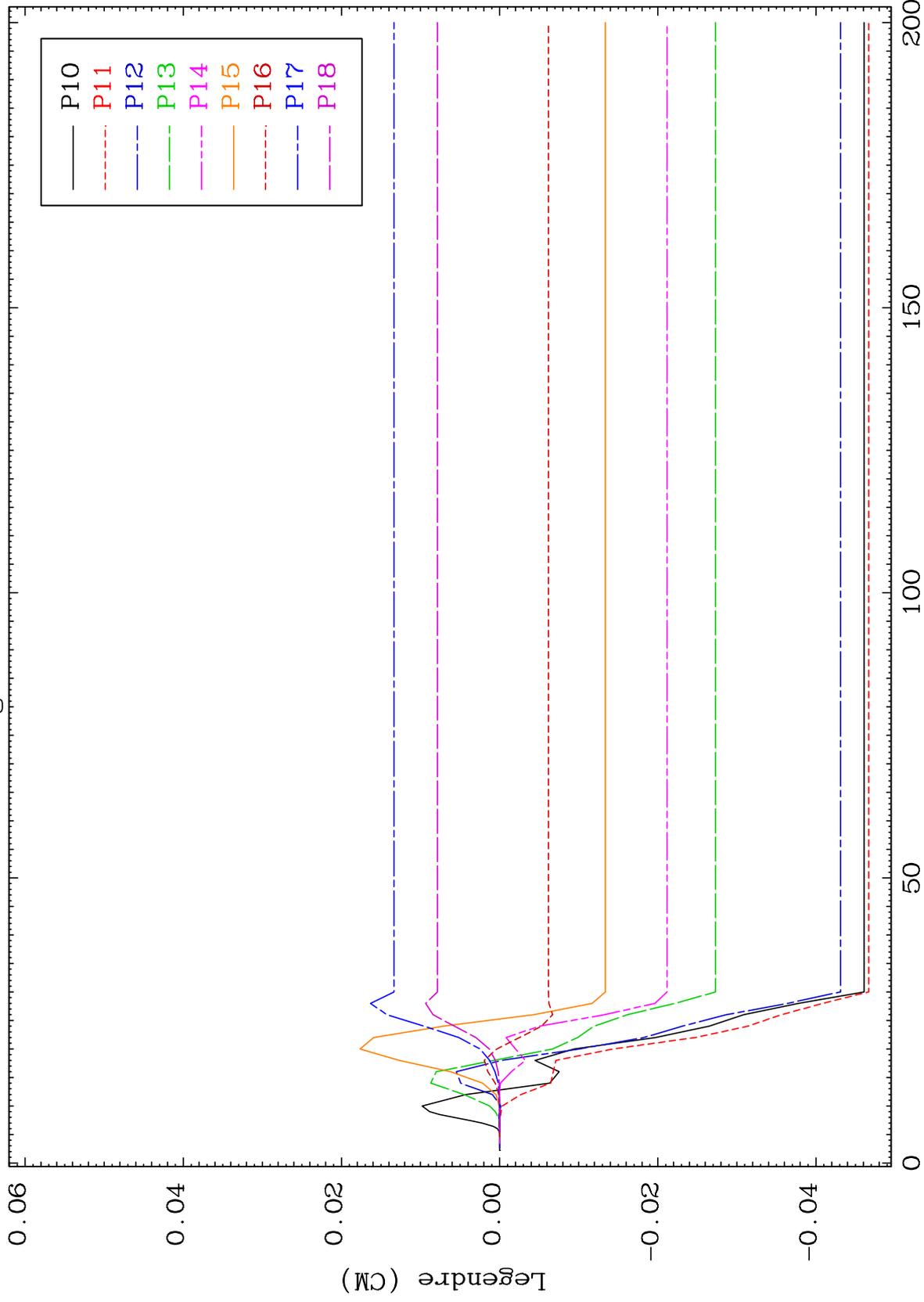




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MT= 53 (n,n') Level
Legendre Coefficients

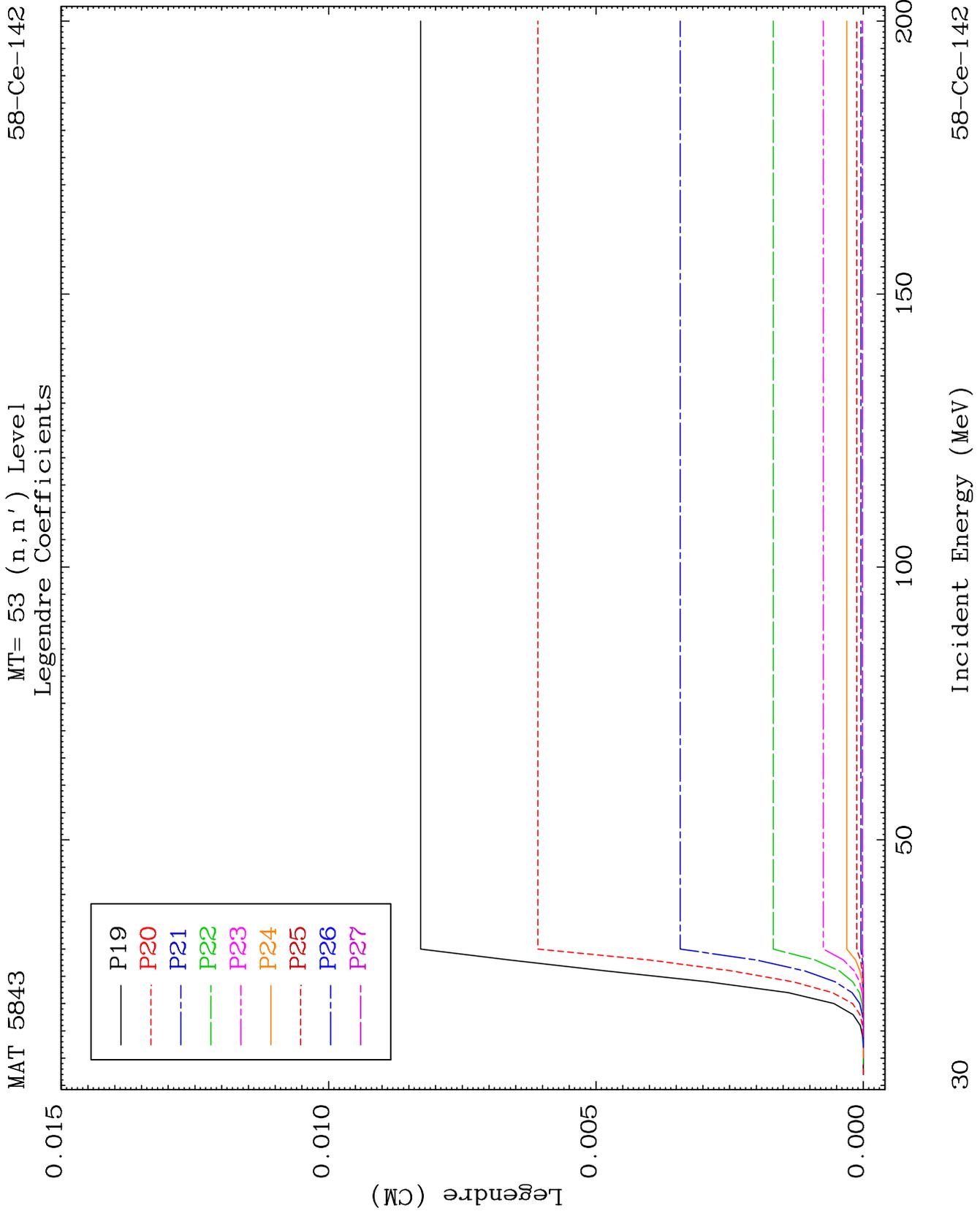
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29

Incident Energy (MeV)

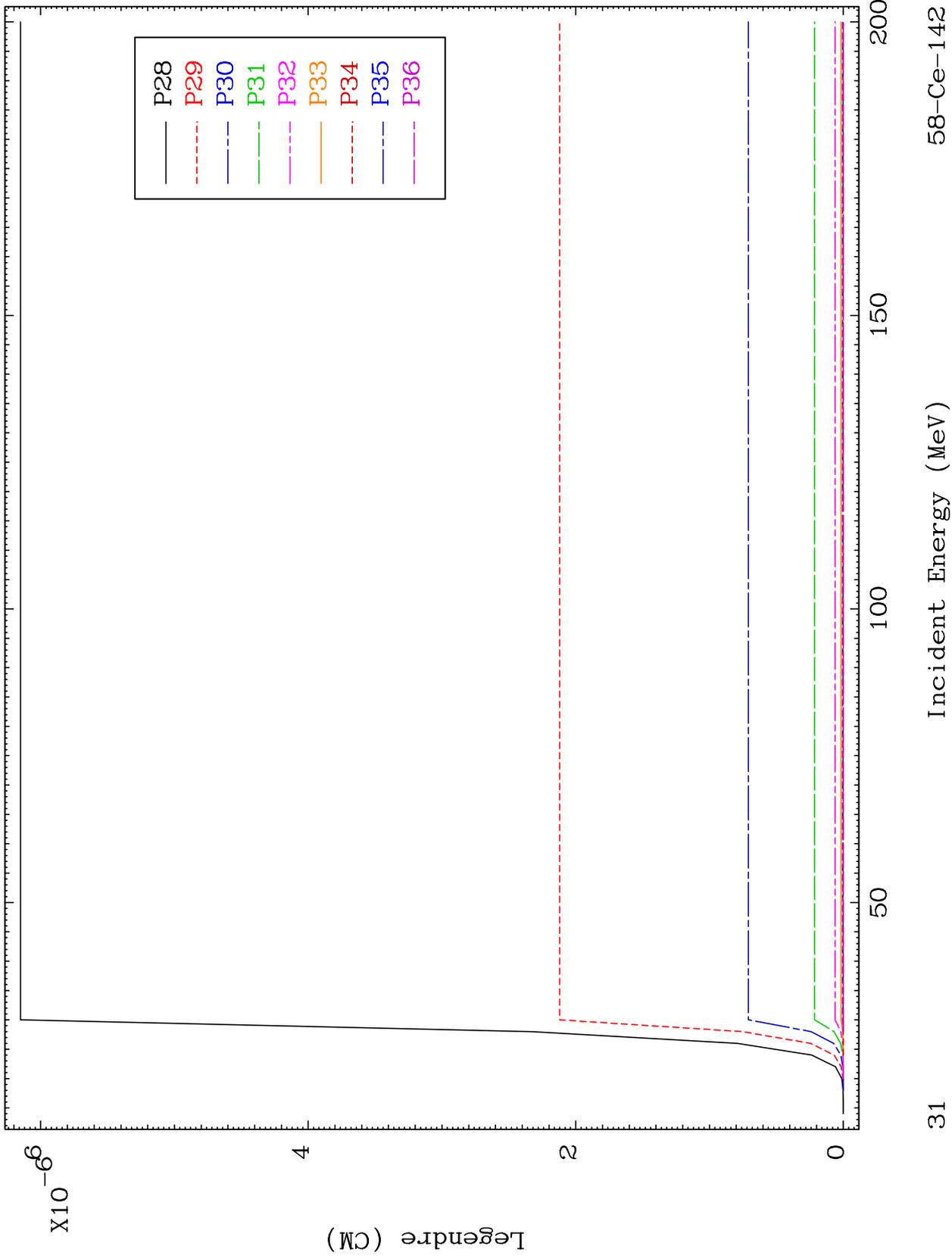
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MAT 5843

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

58-Ce-142



31

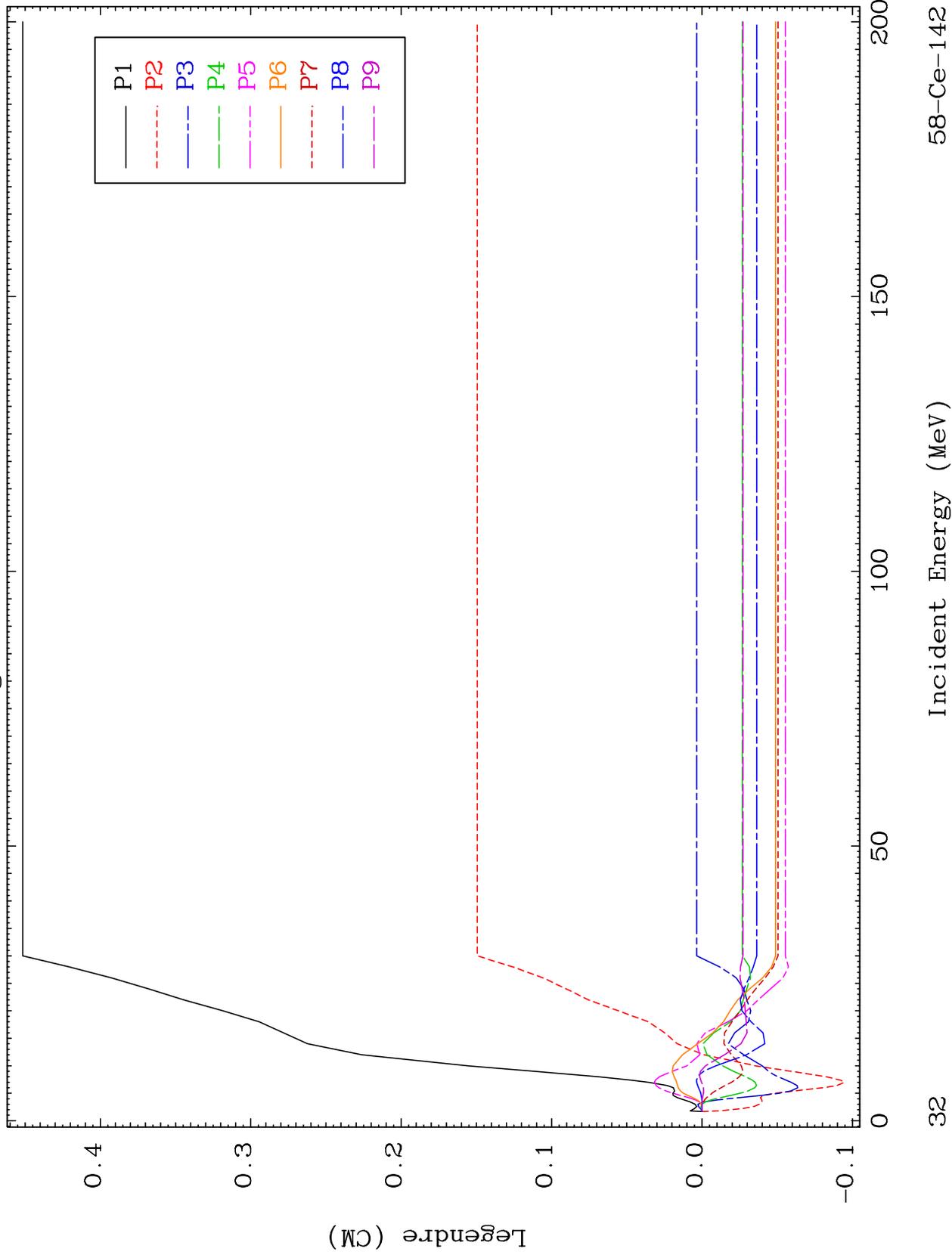
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

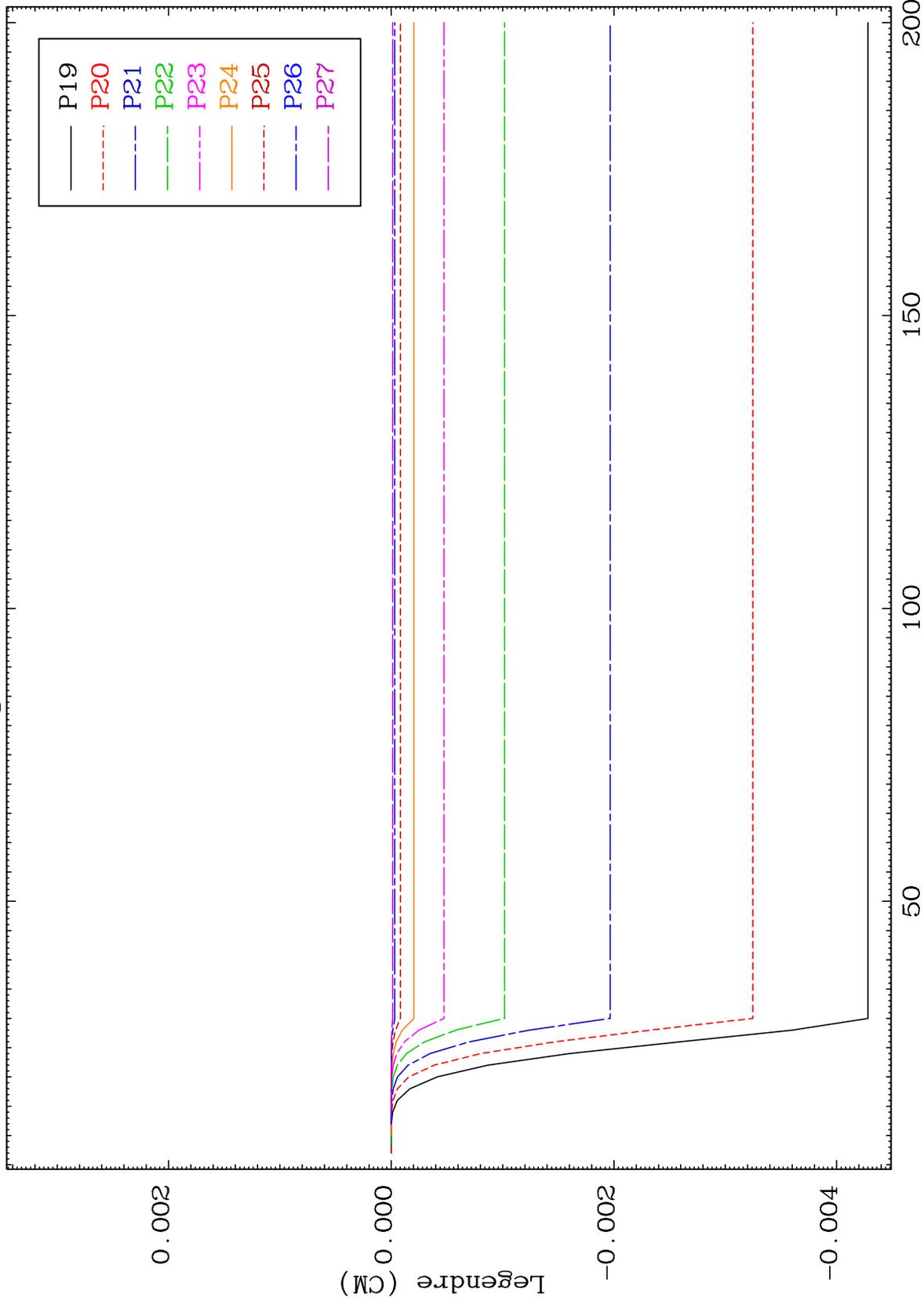
Incident Energy (MeV)

32

MAT 5843

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

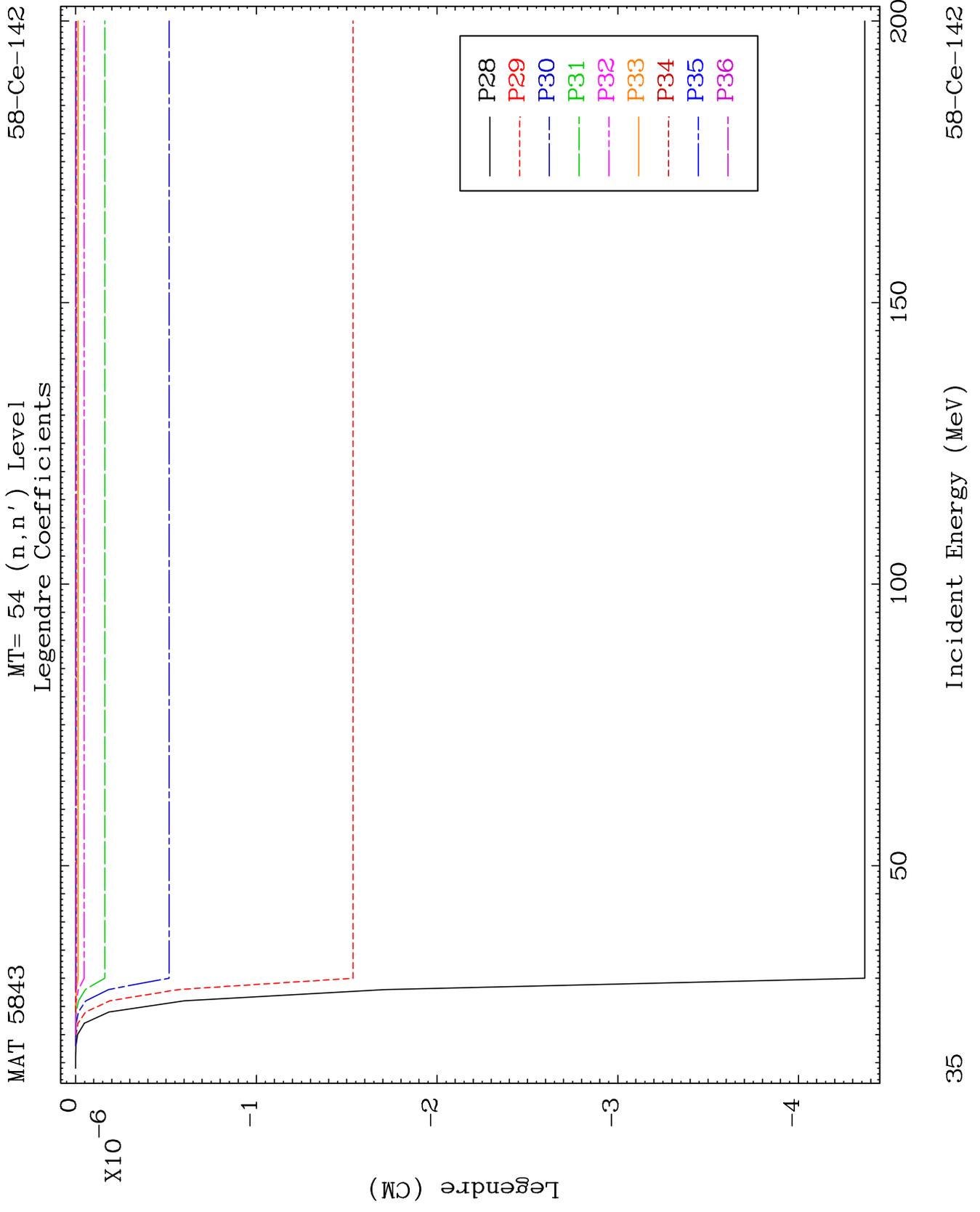
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34

Incident Energy (MeV)

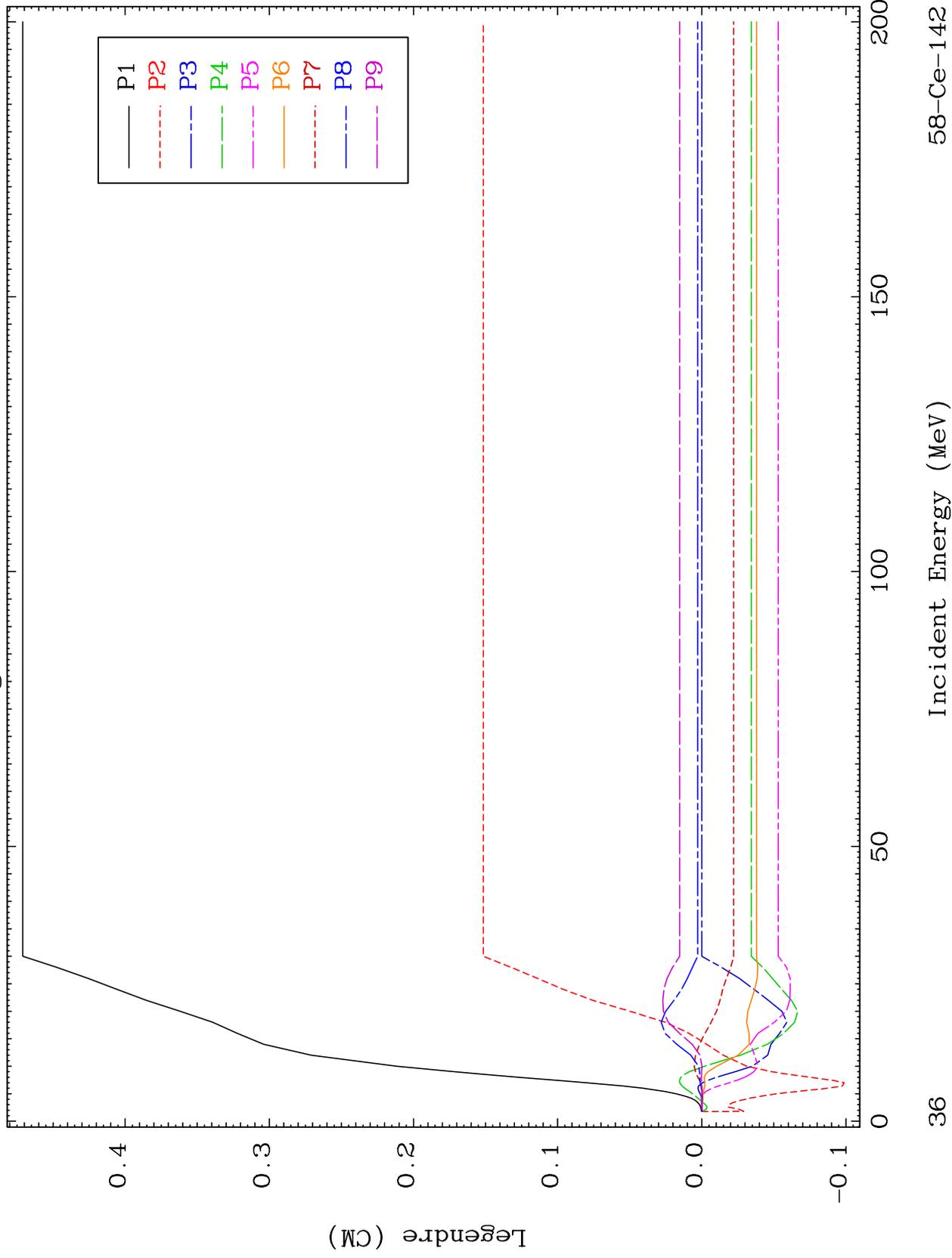
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MAT 5843

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

58-Ce-142



58-Ce-142

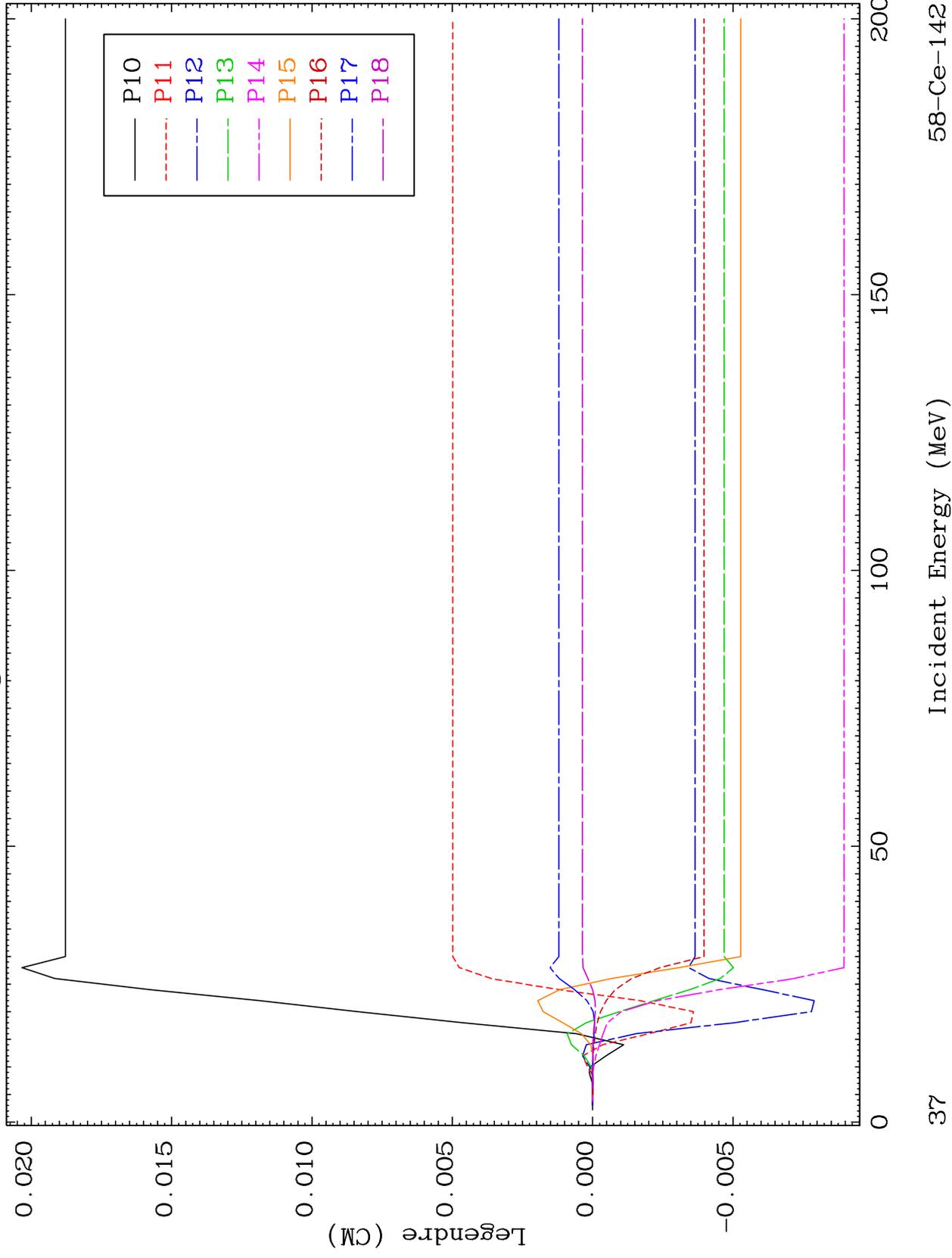
Incident Energy (MeV)

36

MAT 5843

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

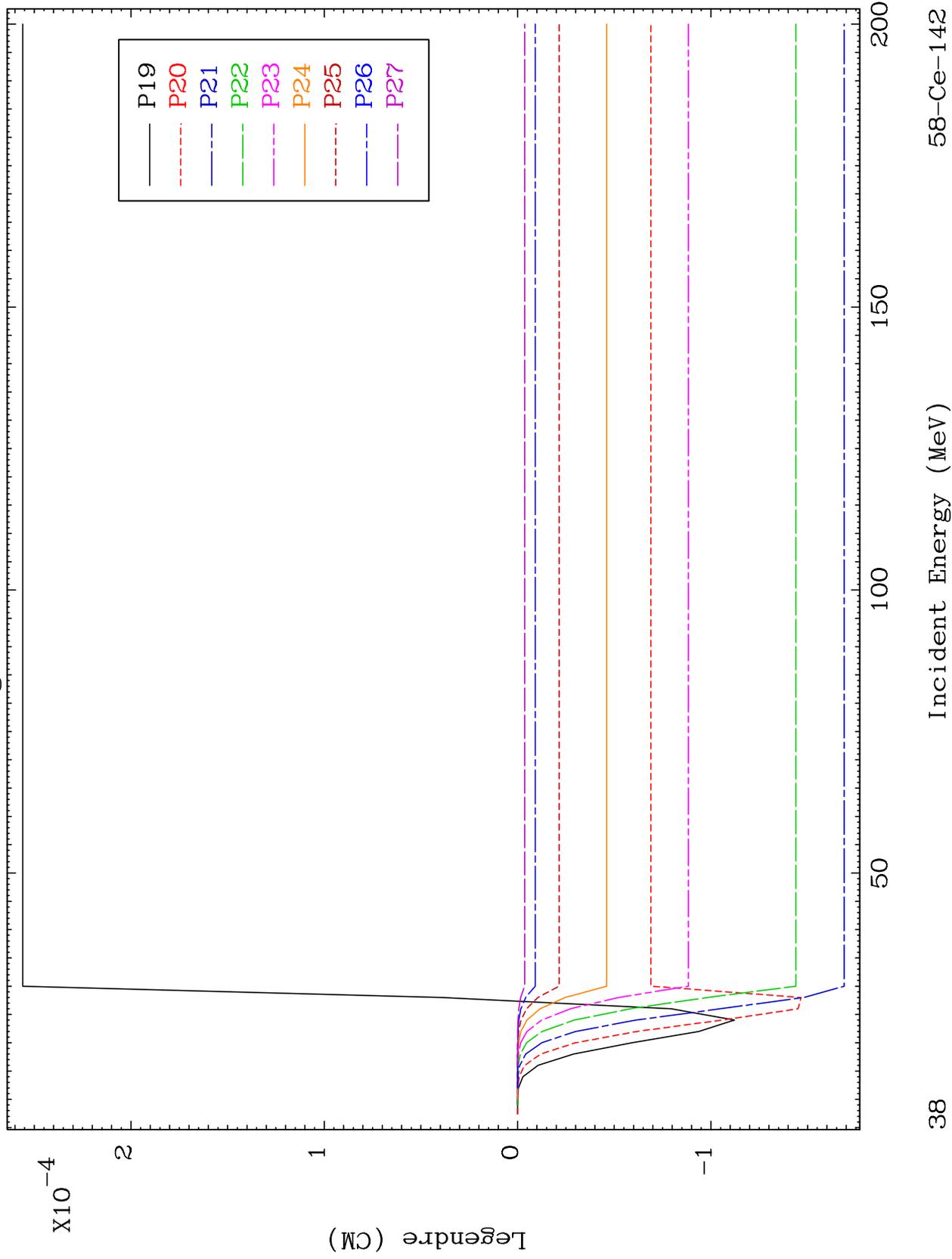
58-Ce-142



37

Incident Energy (MeV)

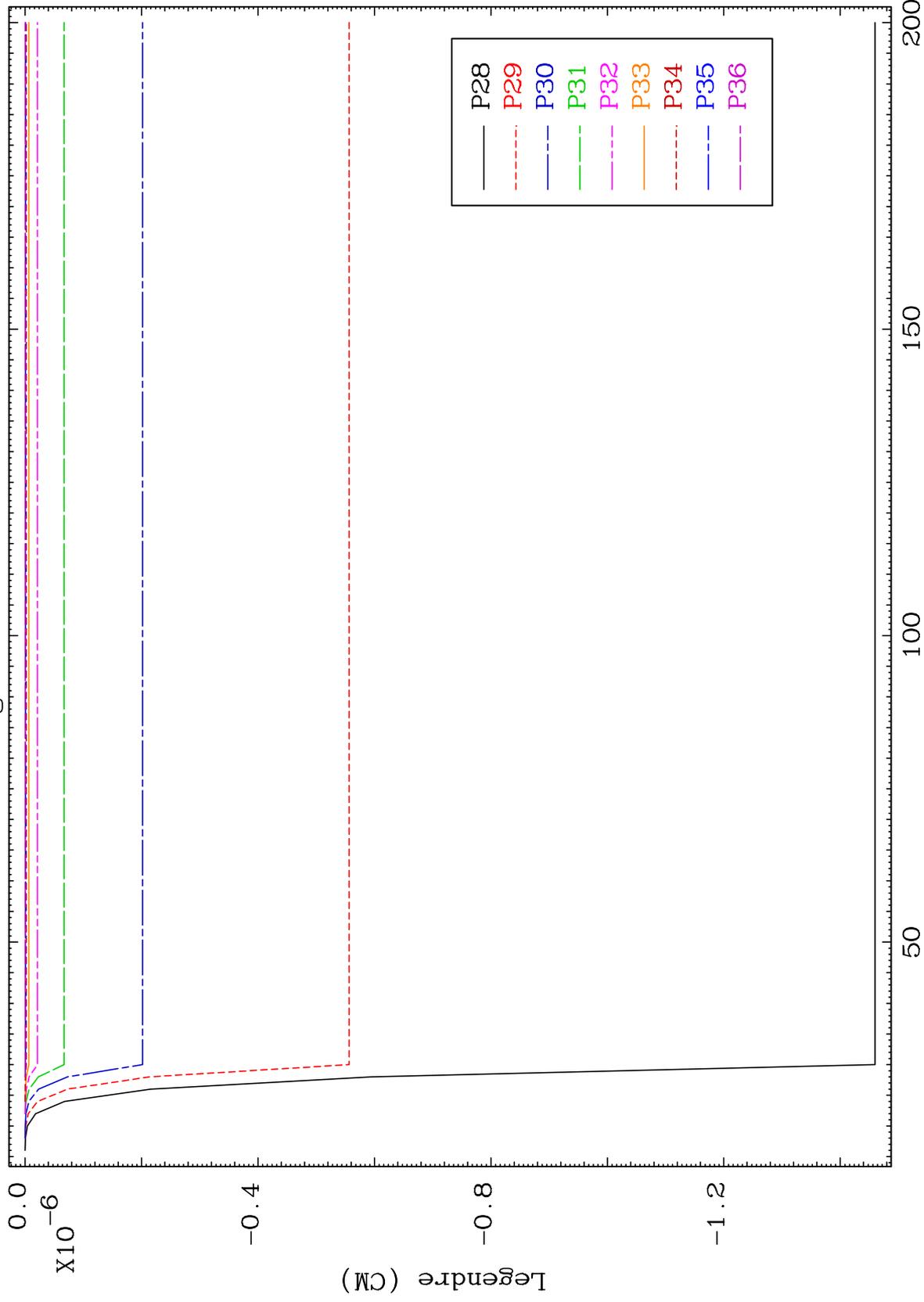
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MAT 5843

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

58-Ce-142



39

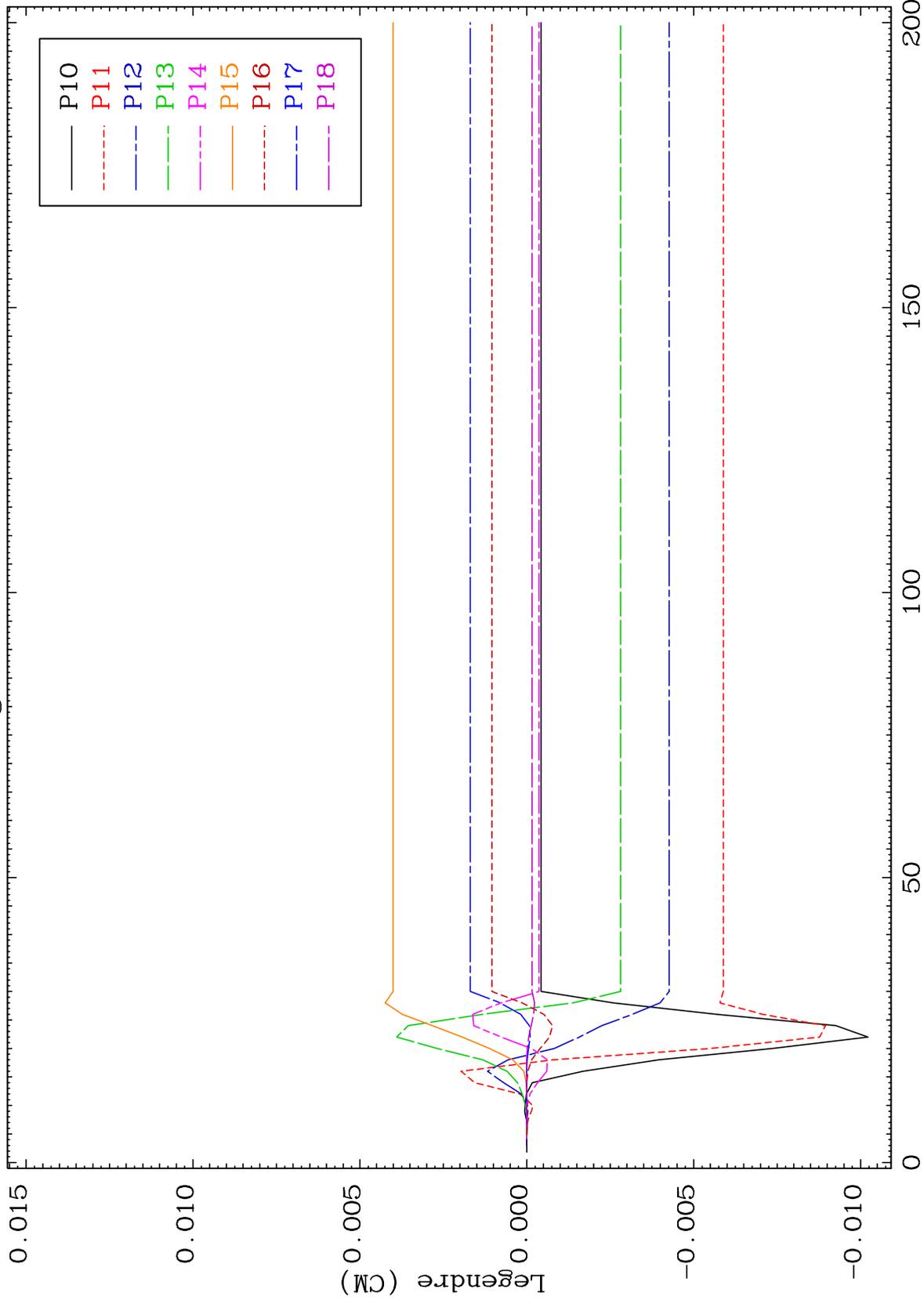
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

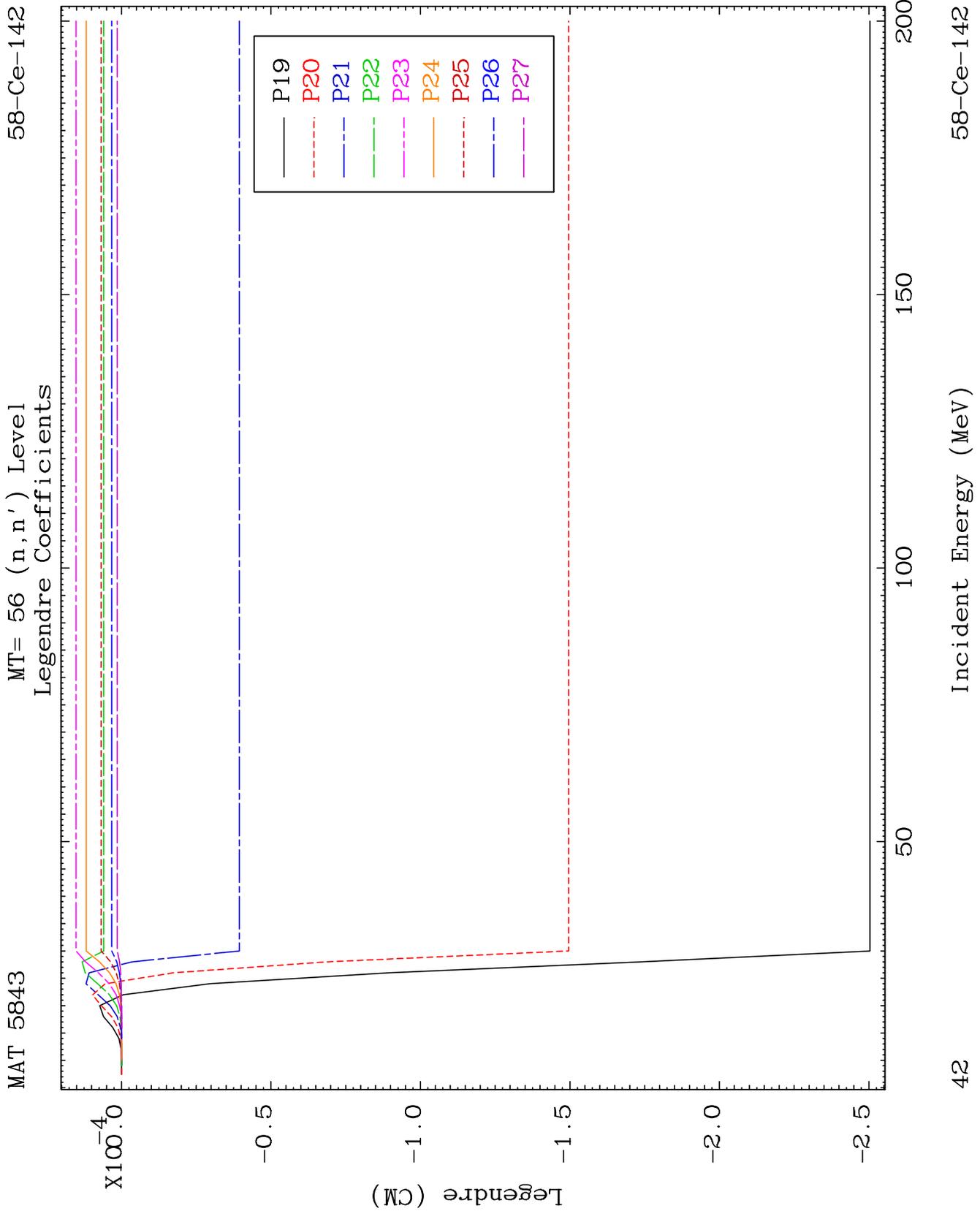
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41

Incident Energy (MeV)

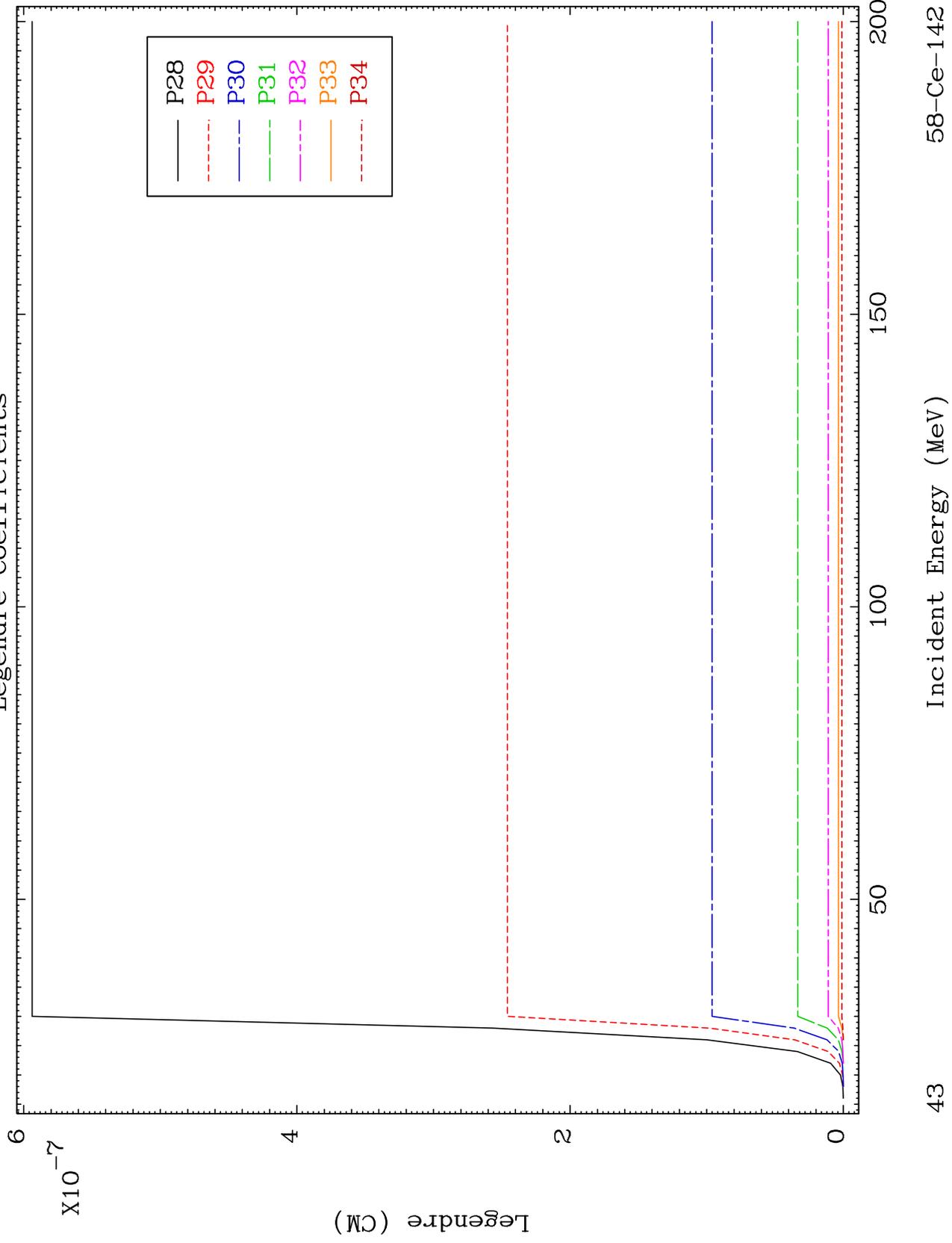
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MAT 5843

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

58-Ce-142



43

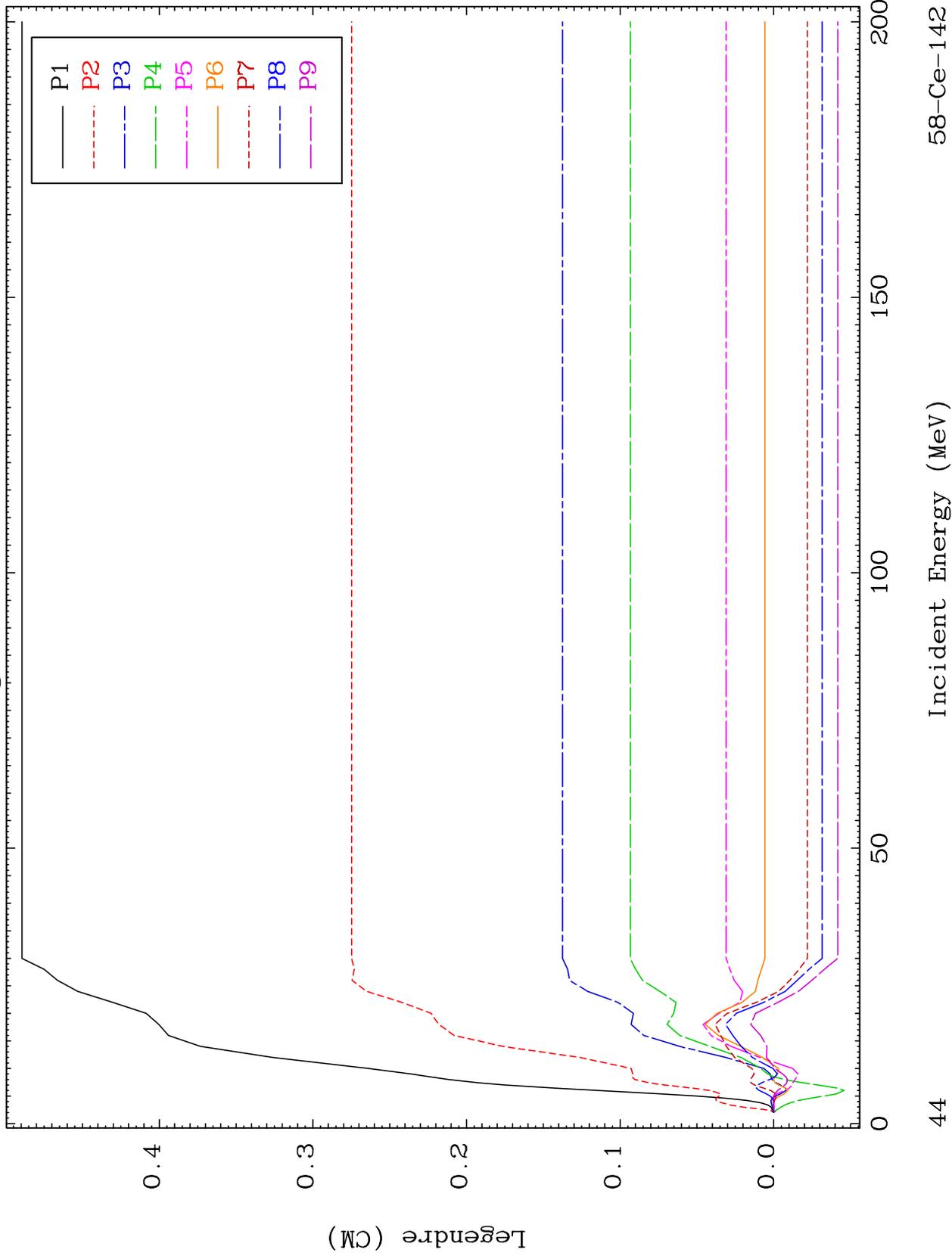
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

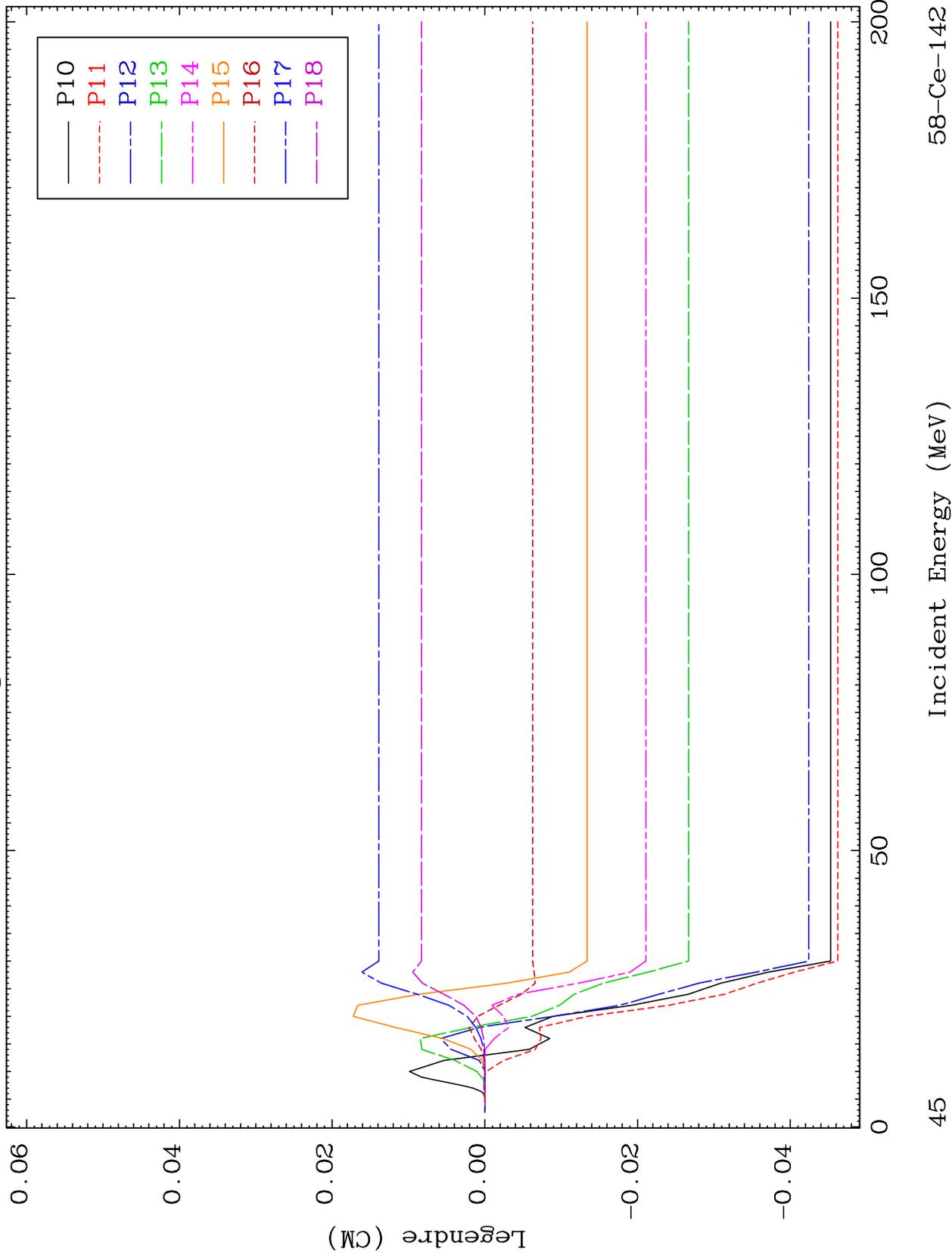
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MAT 5843

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

58-Ce-142



58-Ce-142

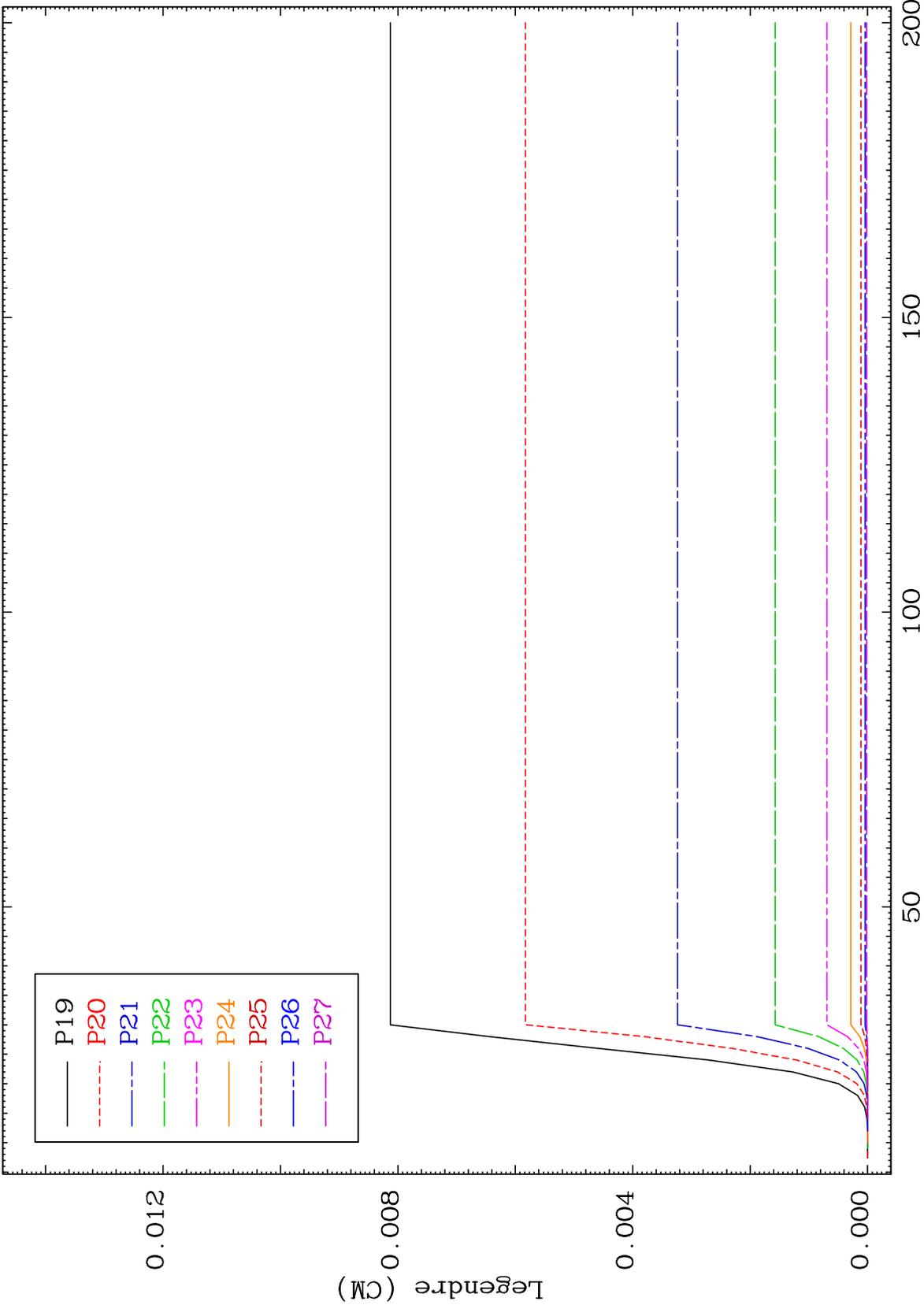
Incident Energy (MeV)

45

MAT 5843

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

58-Ce-142



46

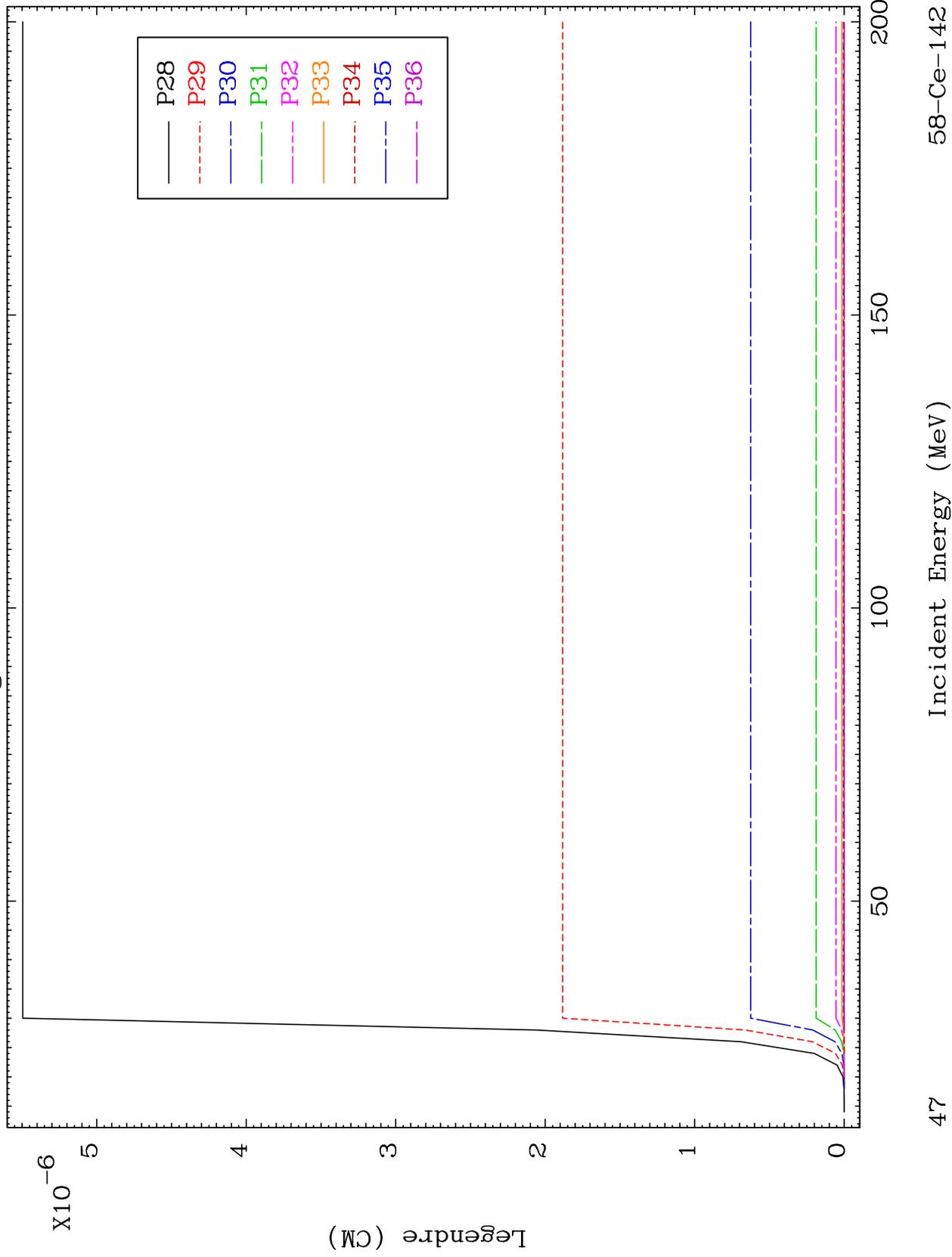
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

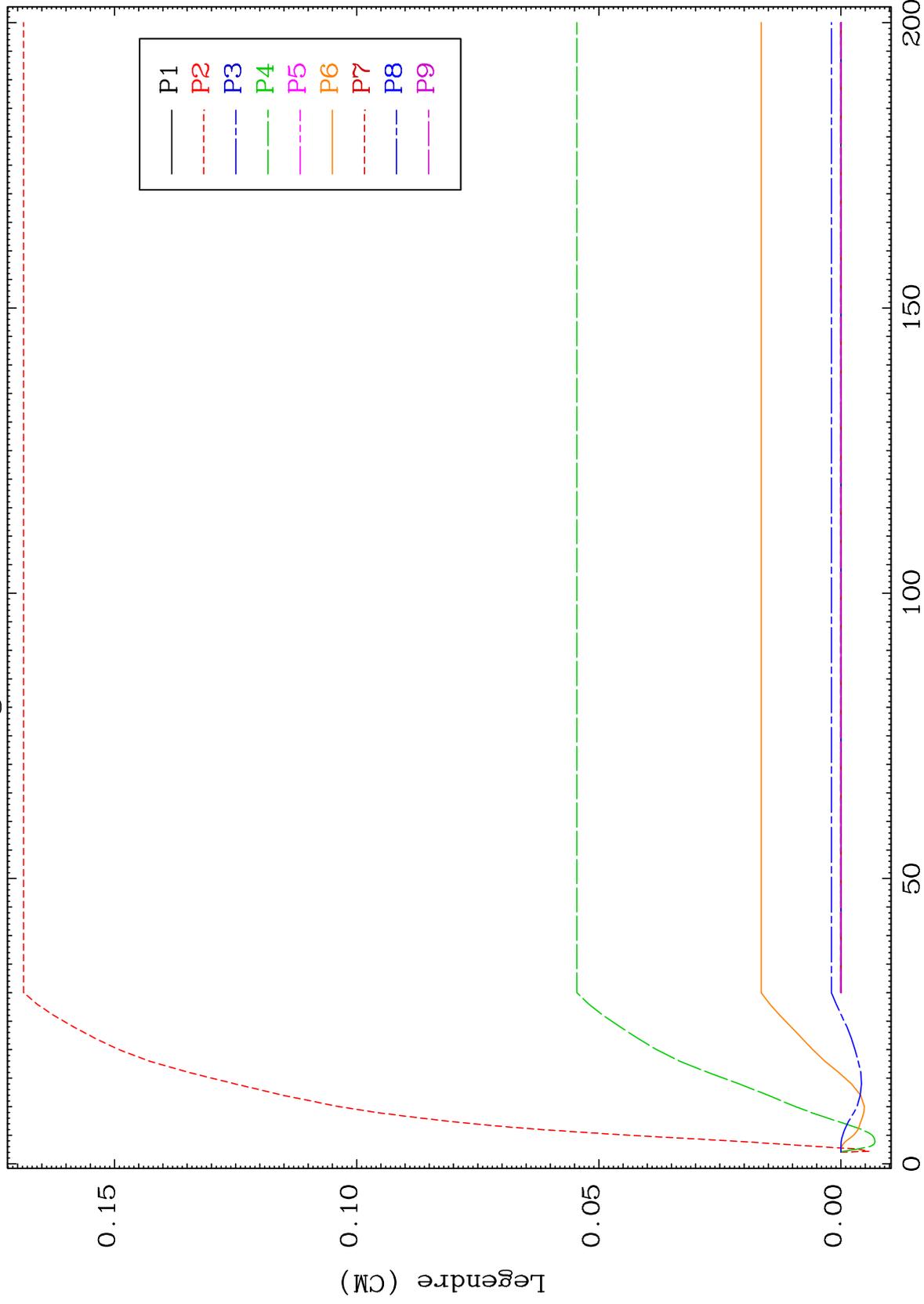
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MAT 5843

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

58-Ce-142



58-Ce-142

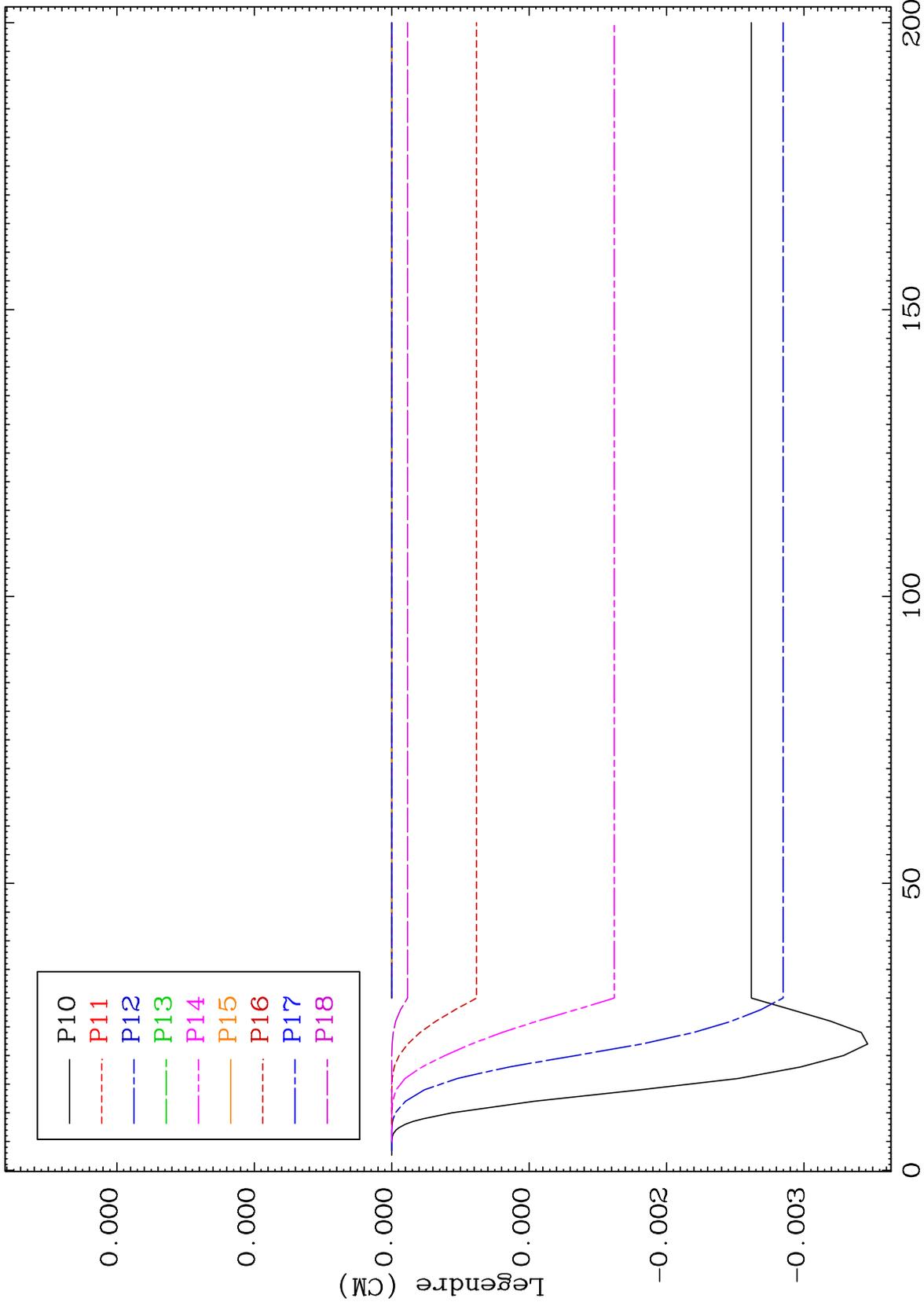
Incident Energy (MeV)

48

MAT 5843

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

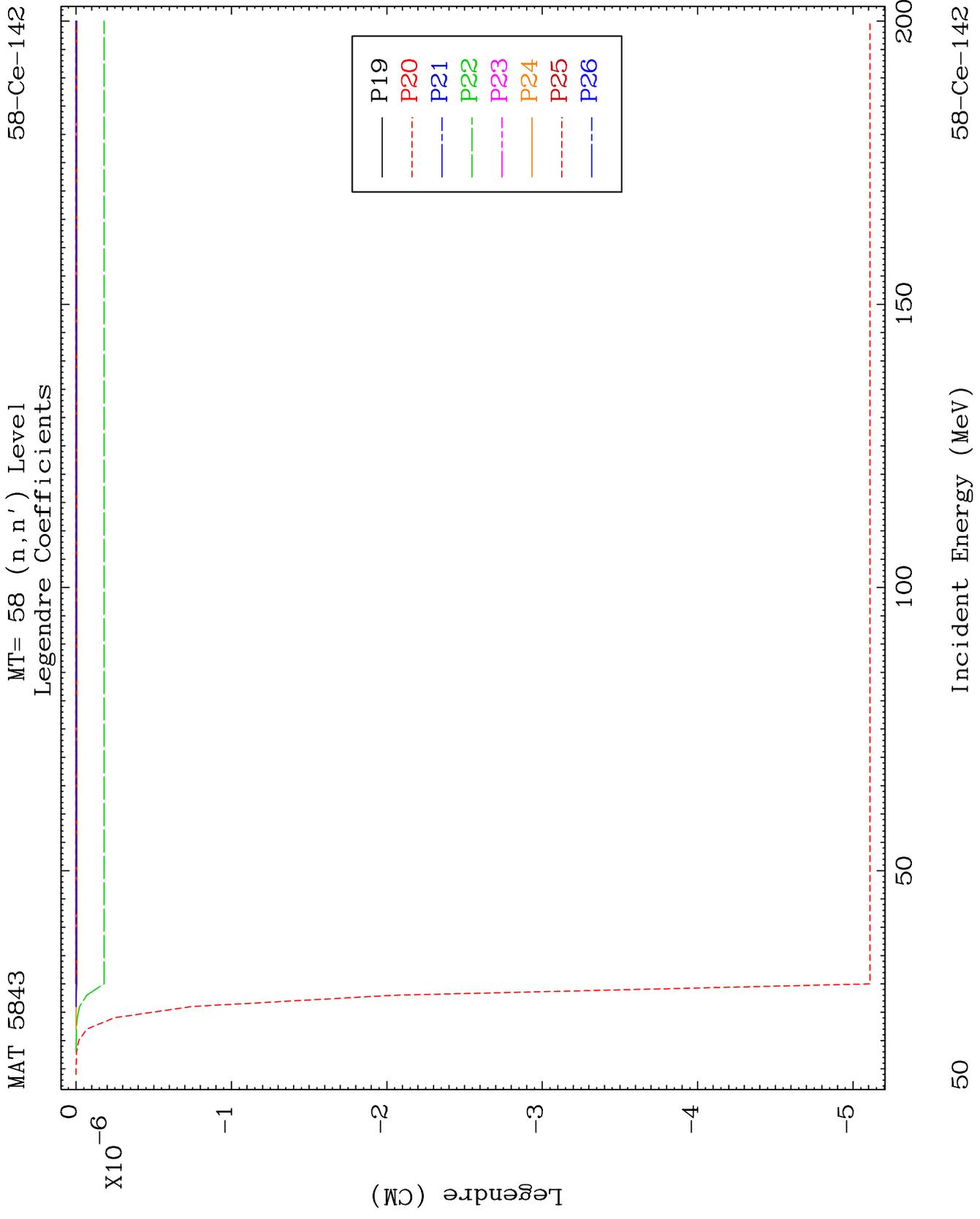
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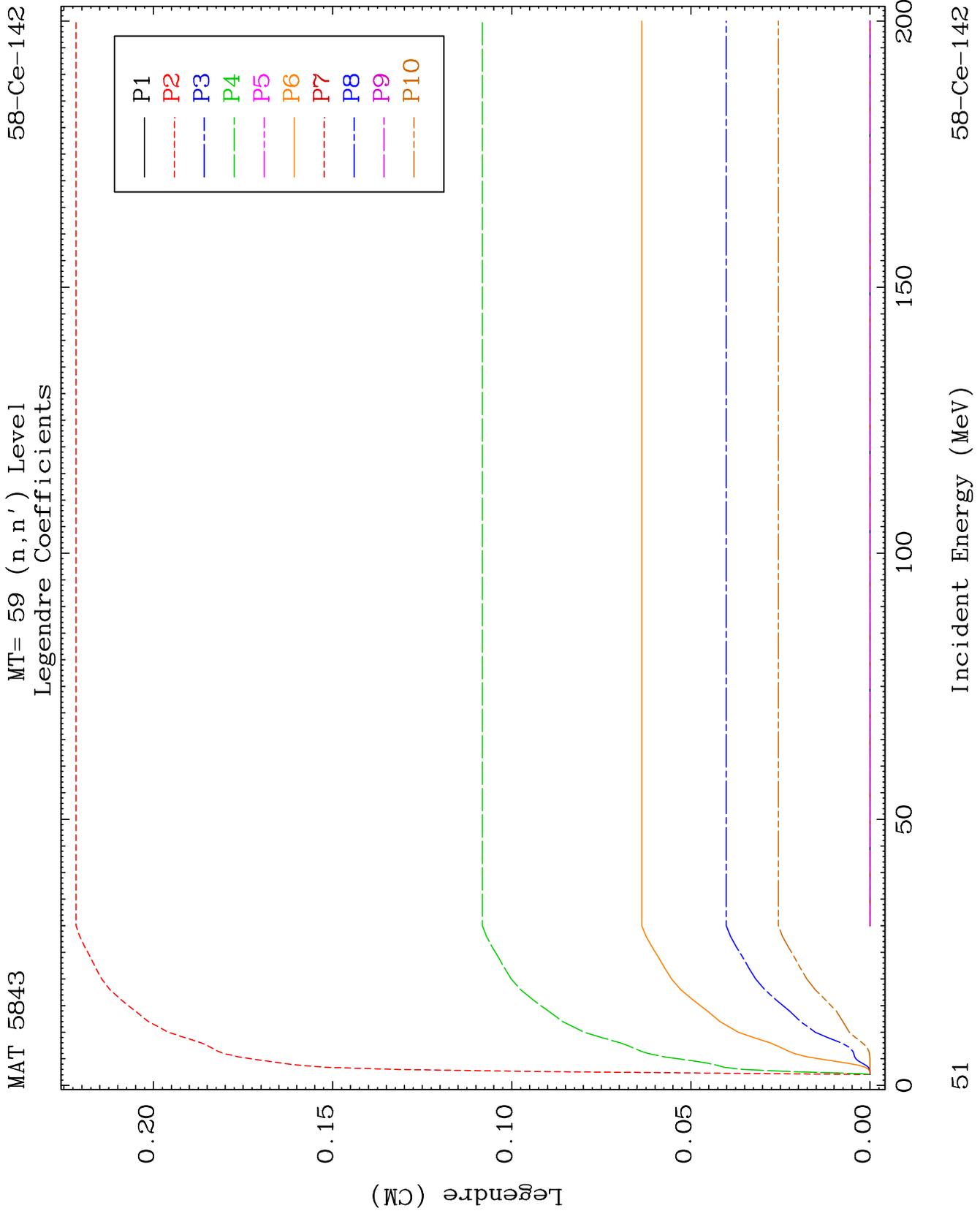


49

Incident Energy (MeV)

58-Ce-142

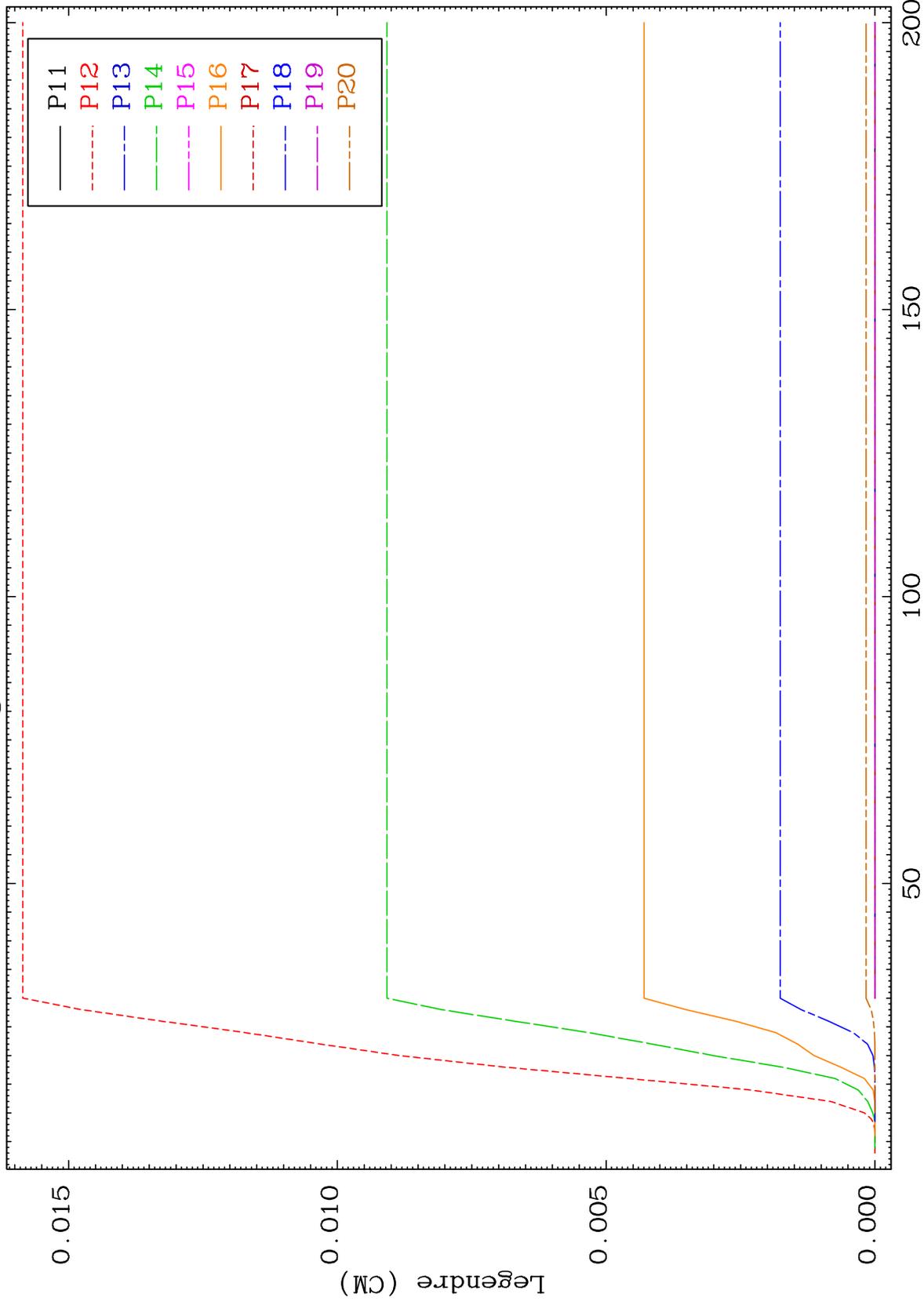




MAT 5843

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

58-Ce-142



52

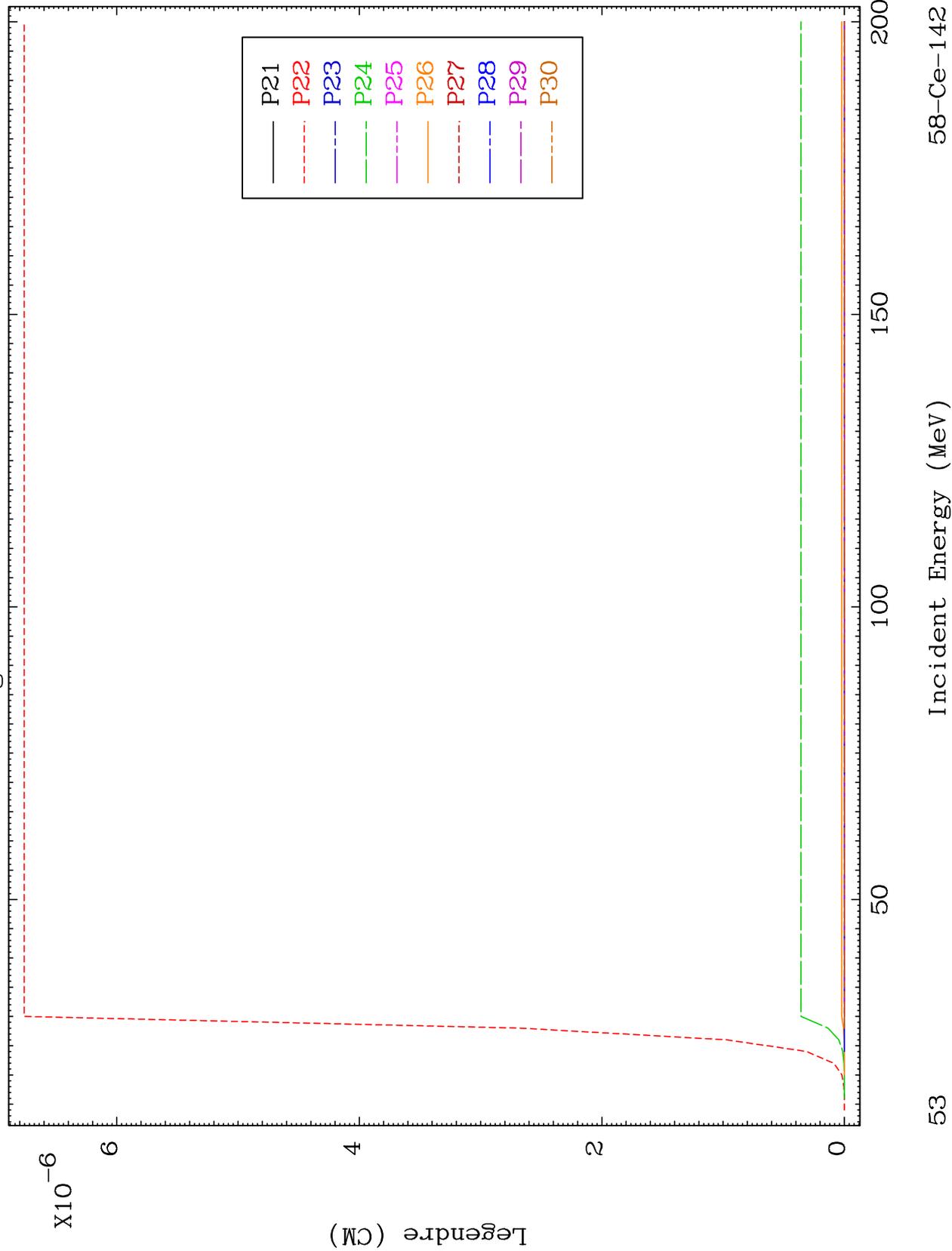
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

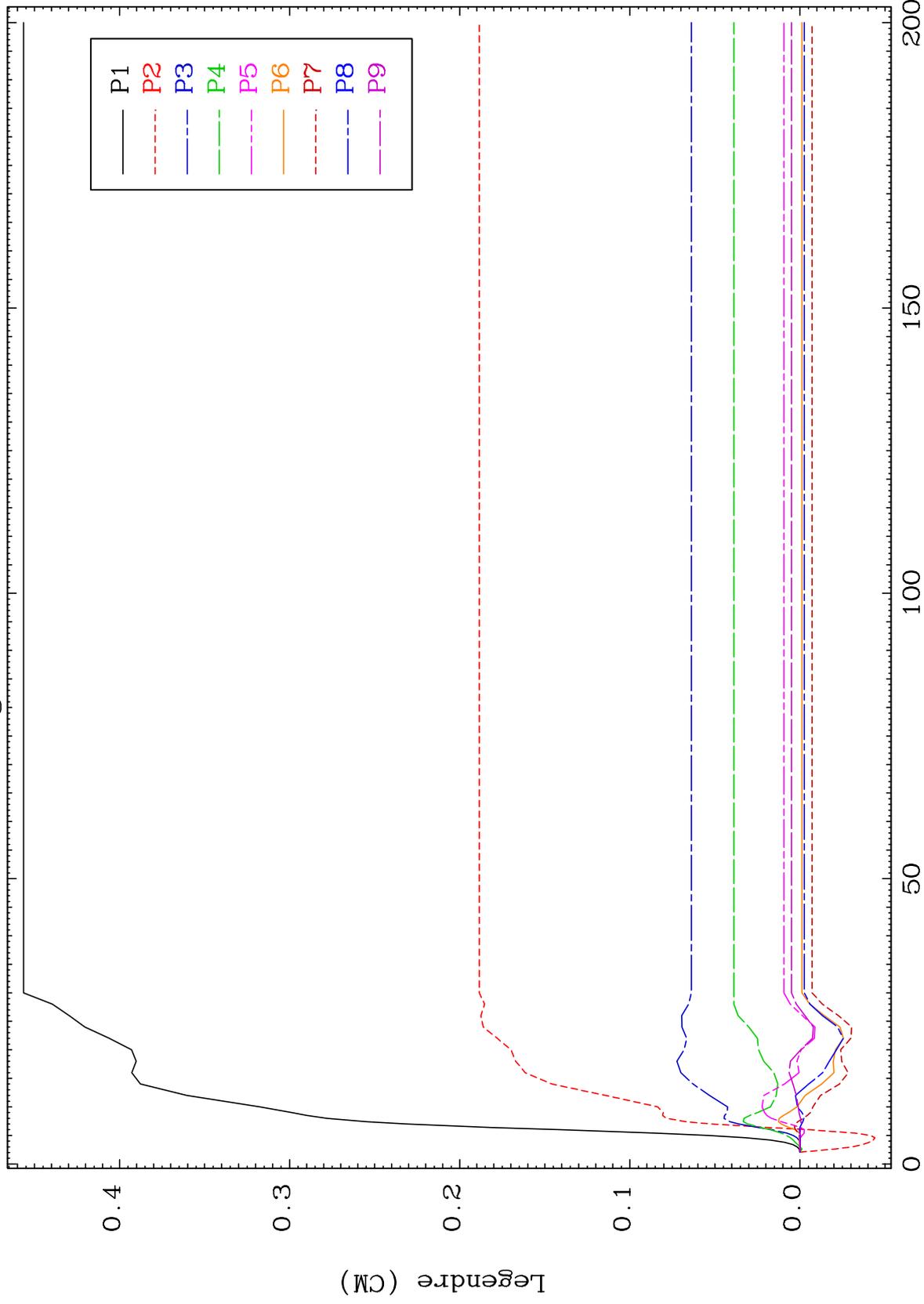
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MAT 5843

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

58-Ce-142



54

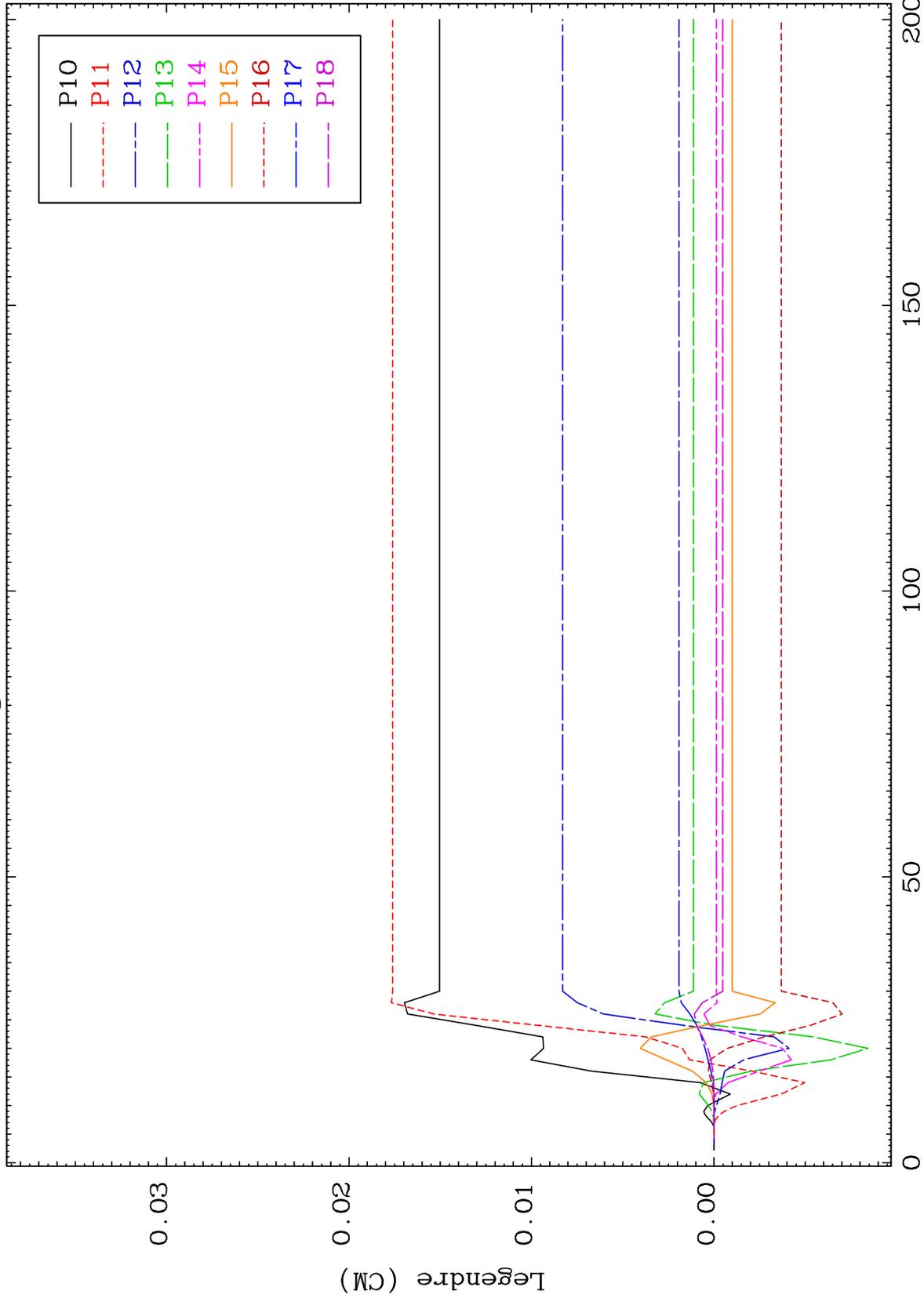
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MAT 5843

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

58-Ce-142



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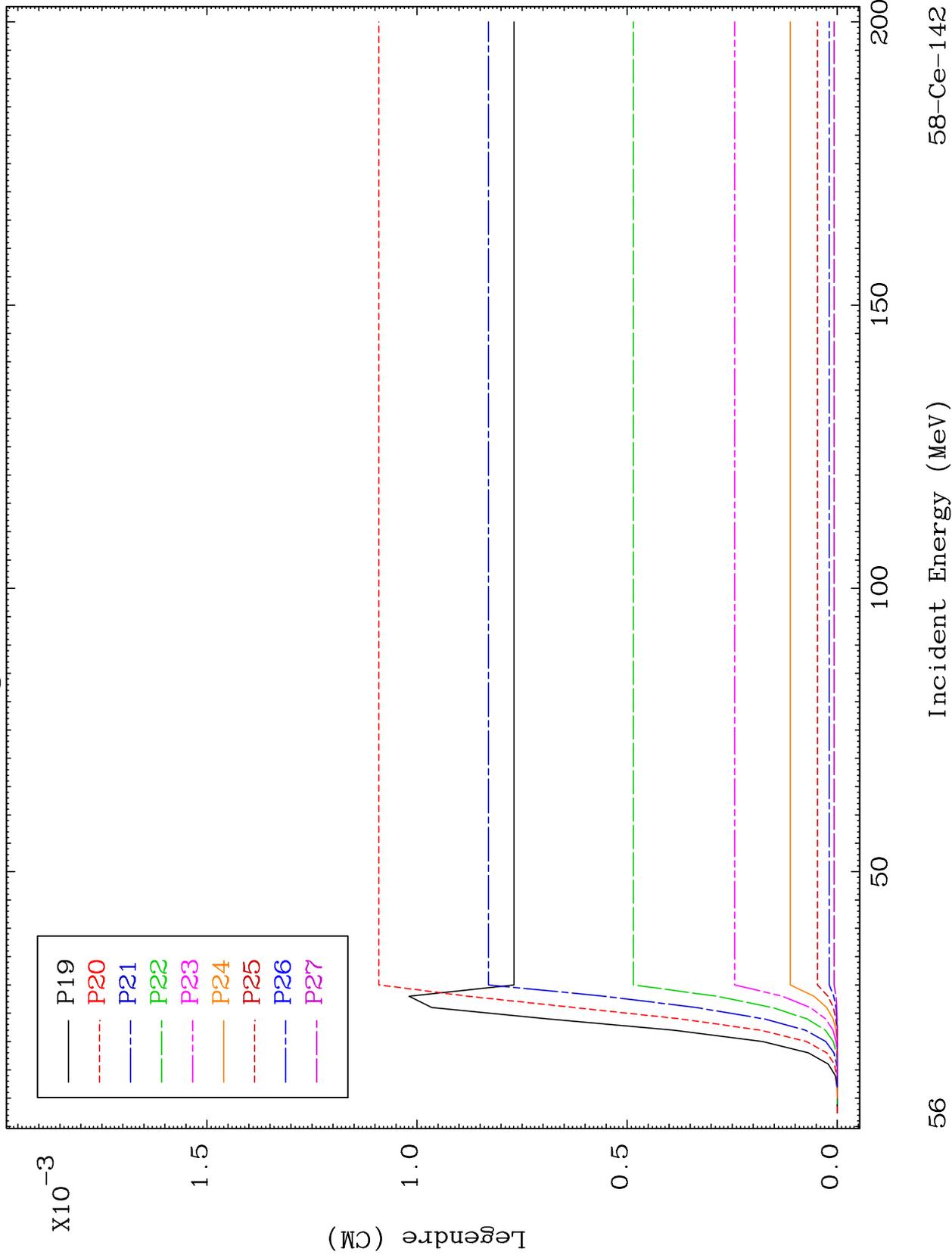
Incident Energy (MeV)

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MAT 5843

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

58-Ce-142



56

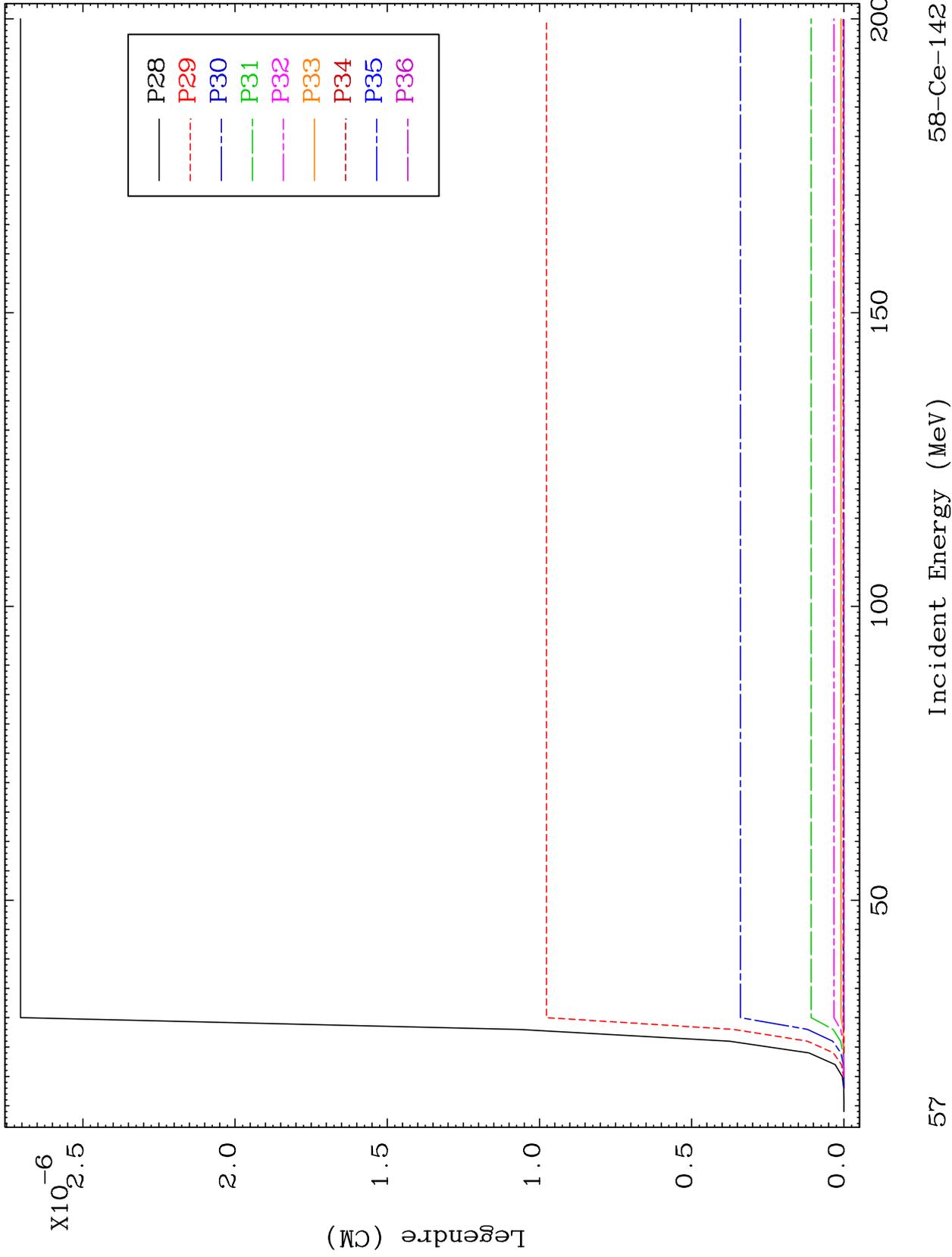
Incident Energy (MeV)

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MAT 5843

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

58-Ce-142



57

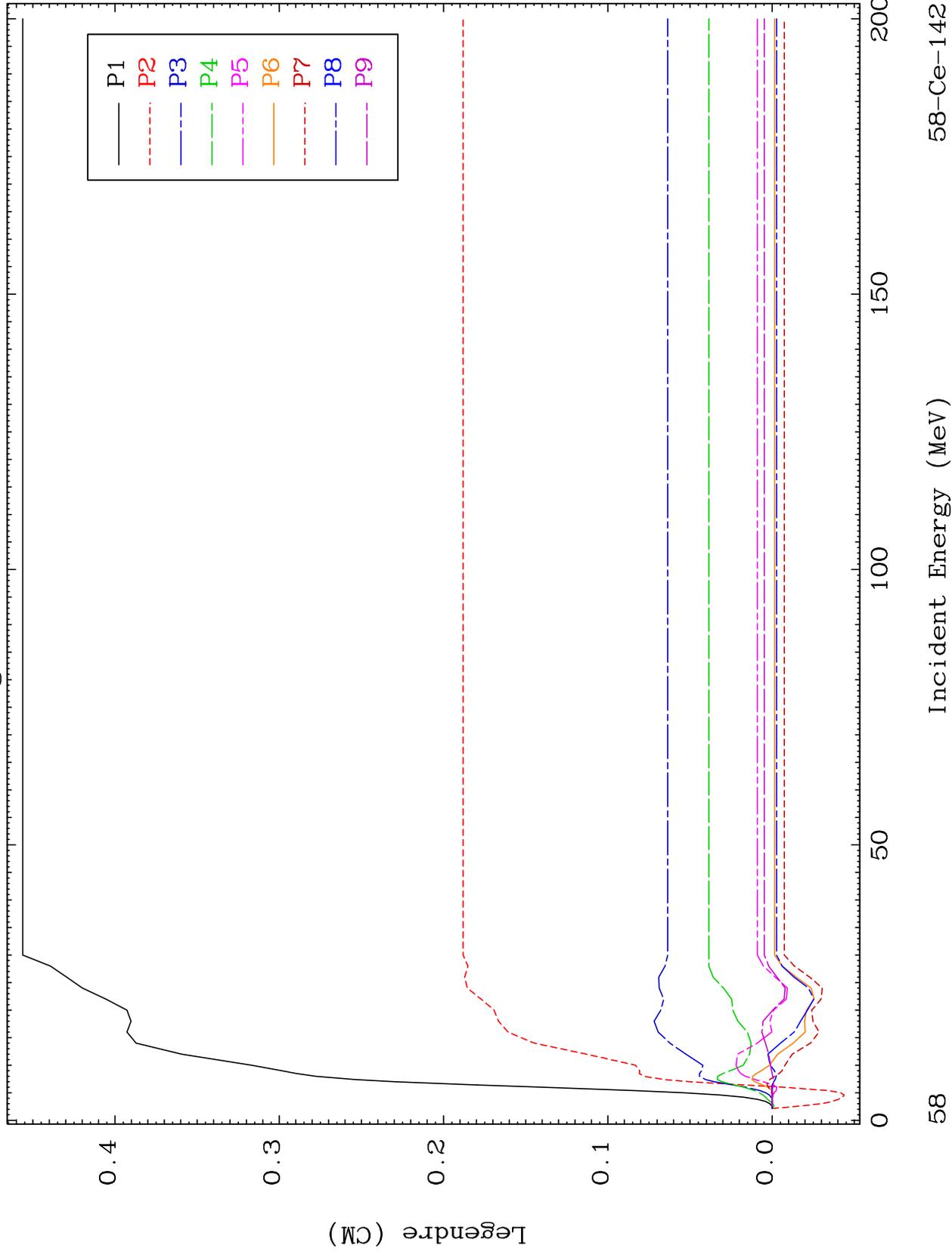
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

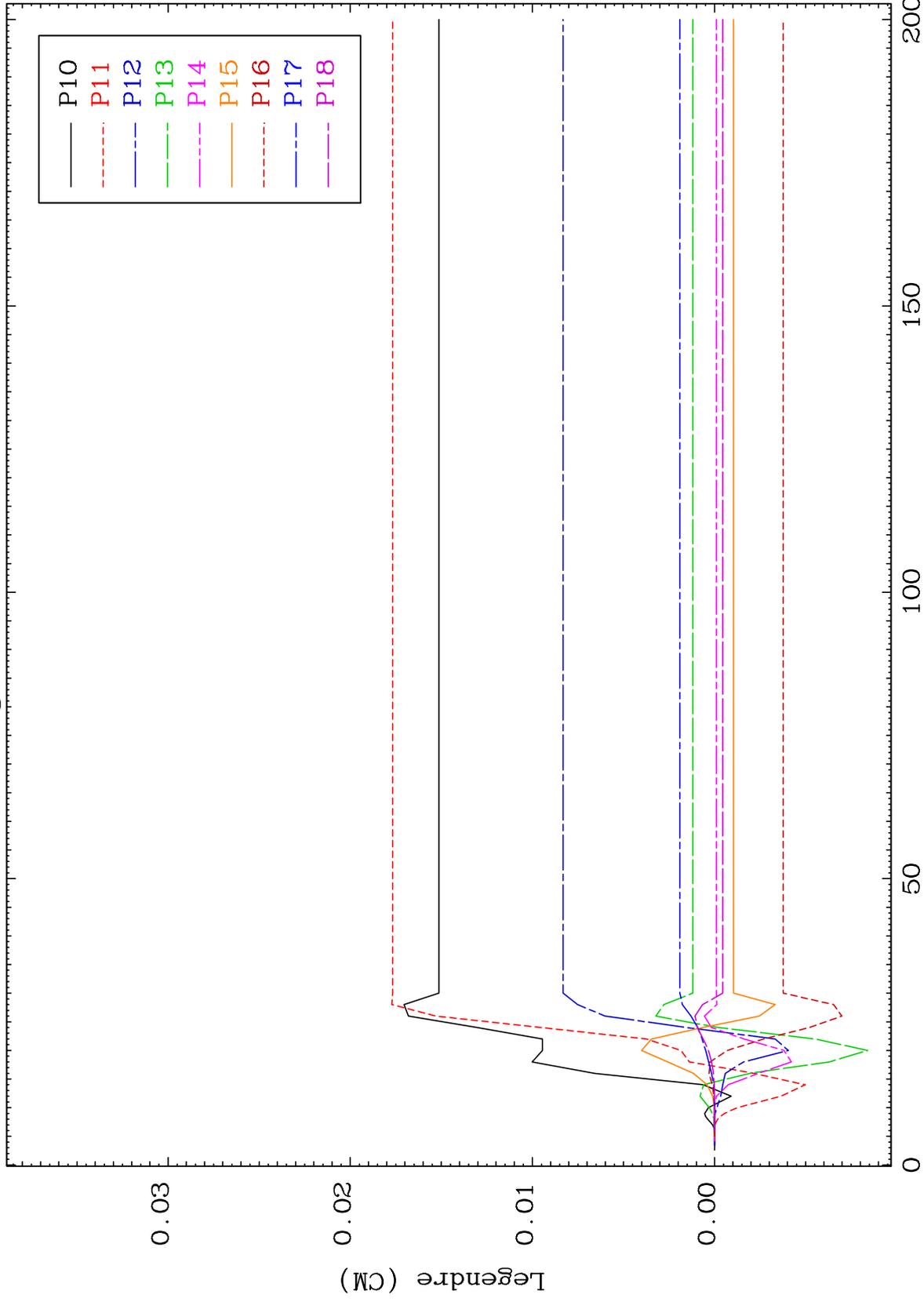
Incident Energy (MeV)

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MAT 5843

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

58-Ce-142



59

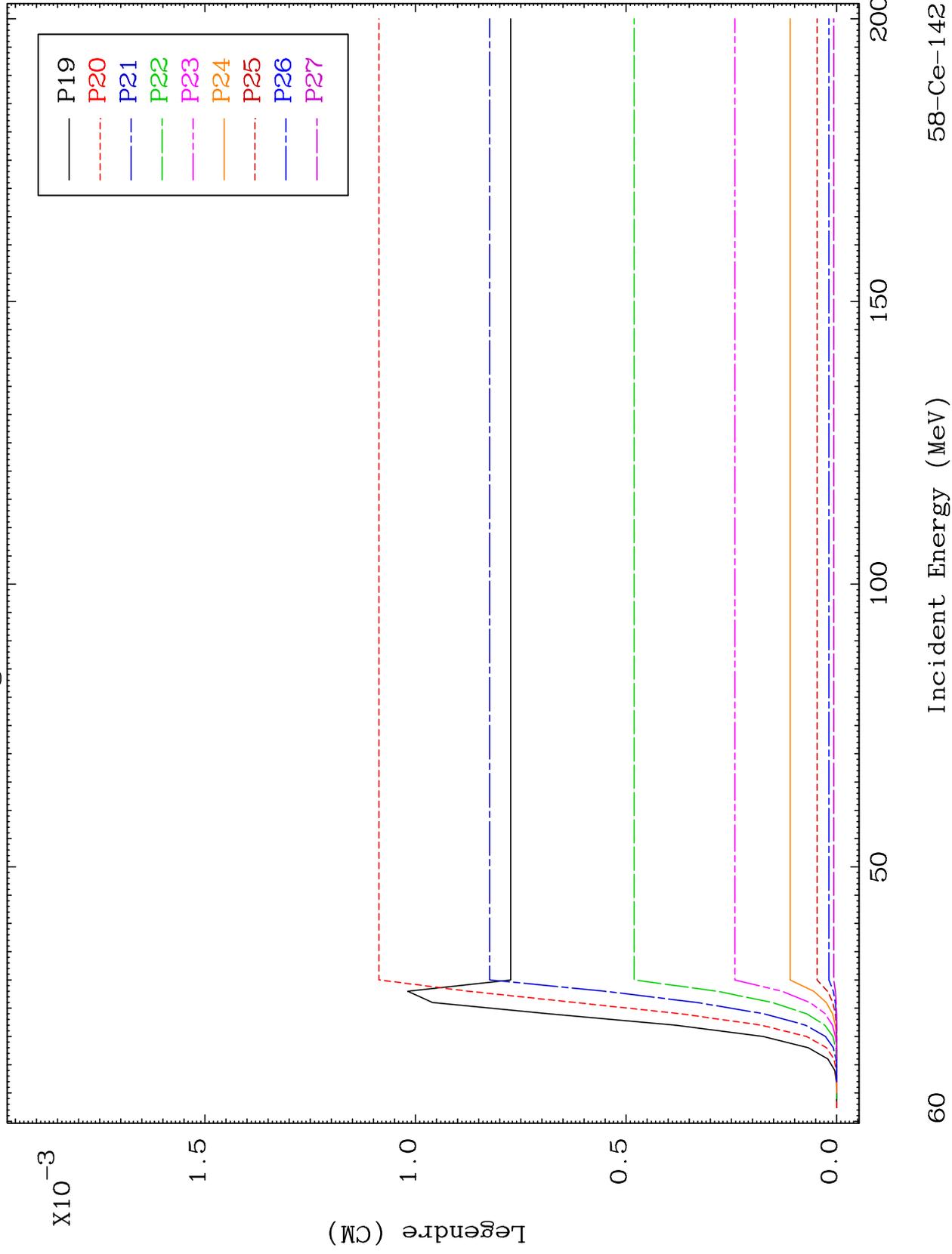
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

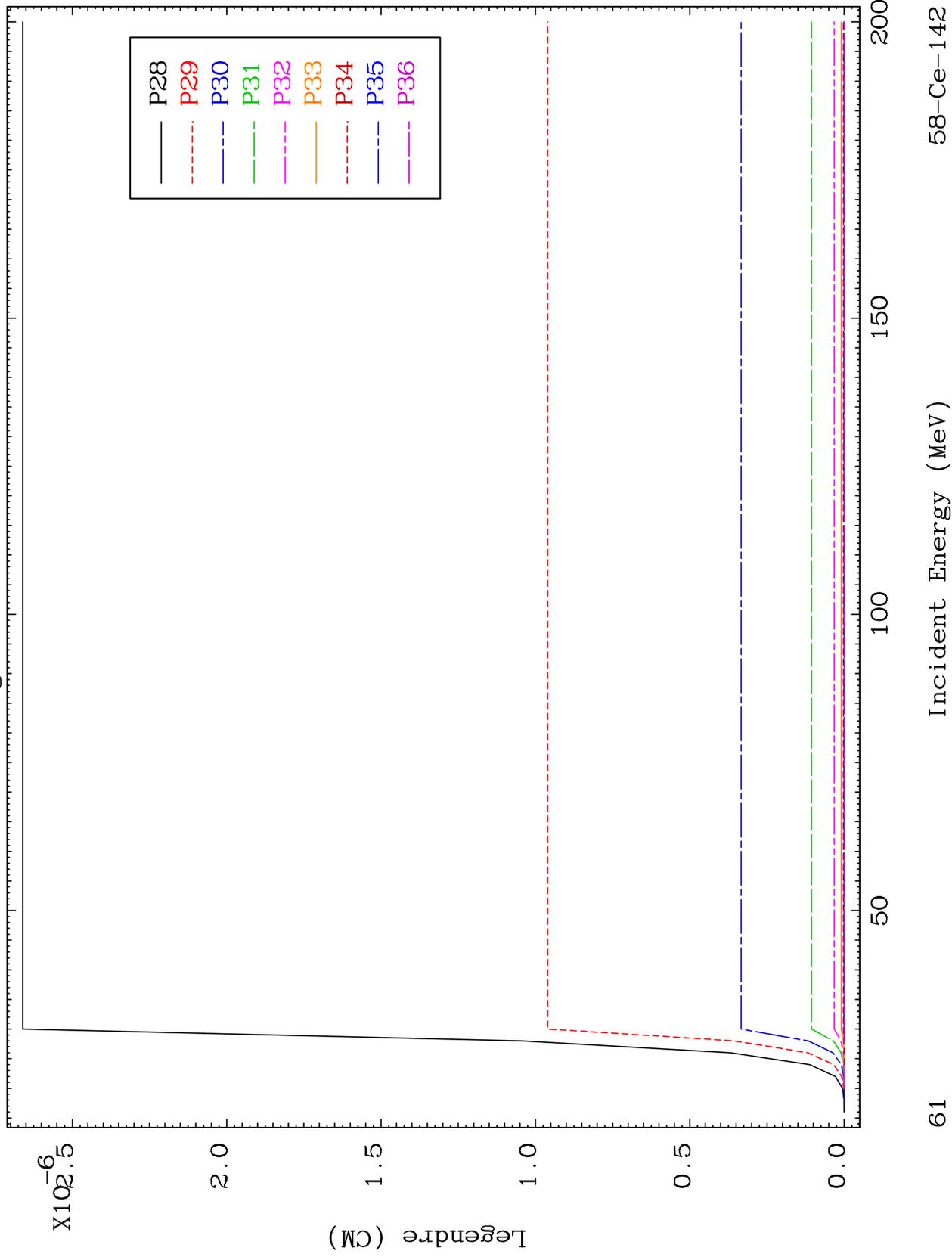
58-Ce-142



MAT 5843

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

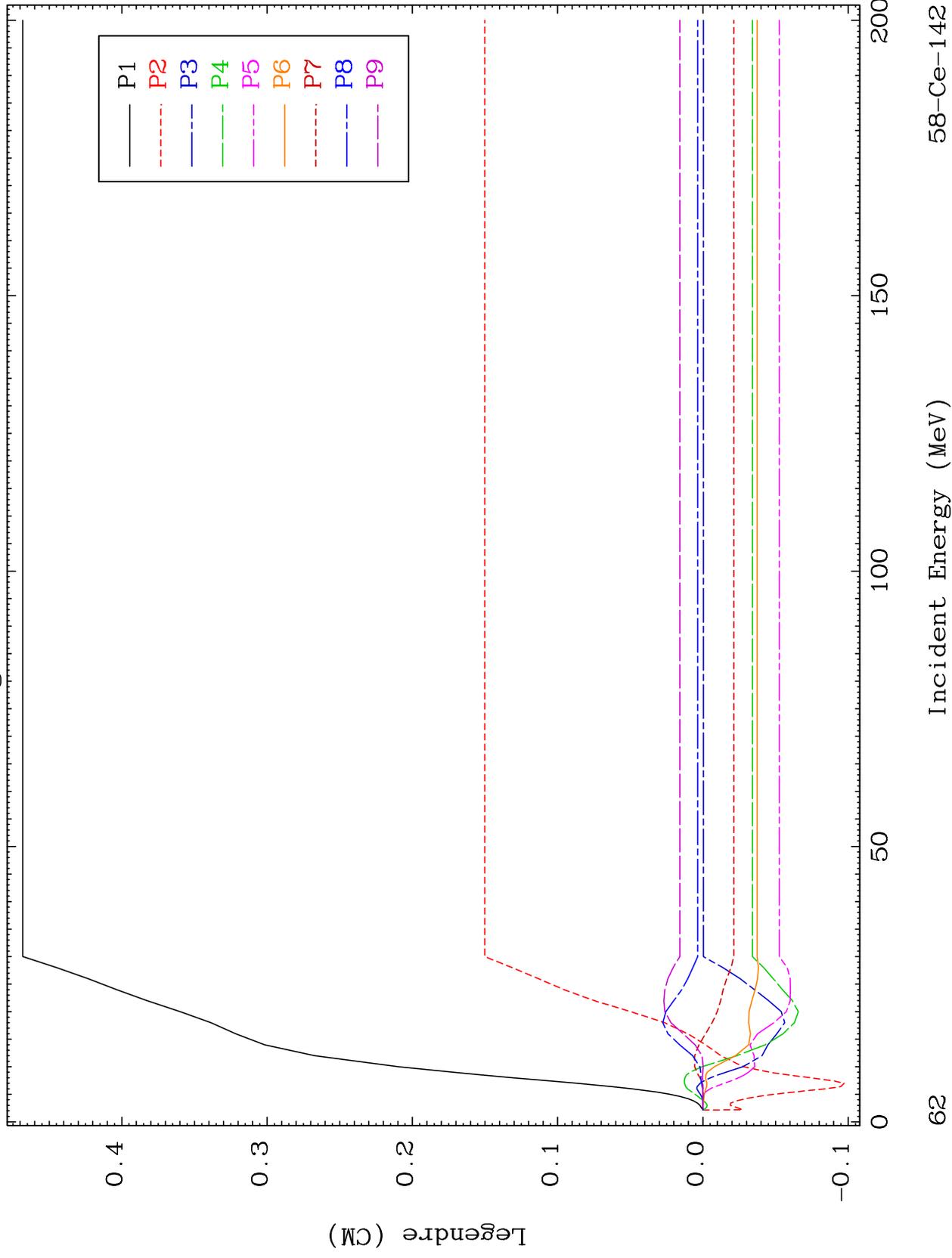
58-Ce-142



MAT 5843

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

58-Ce-142



58-Ce-142

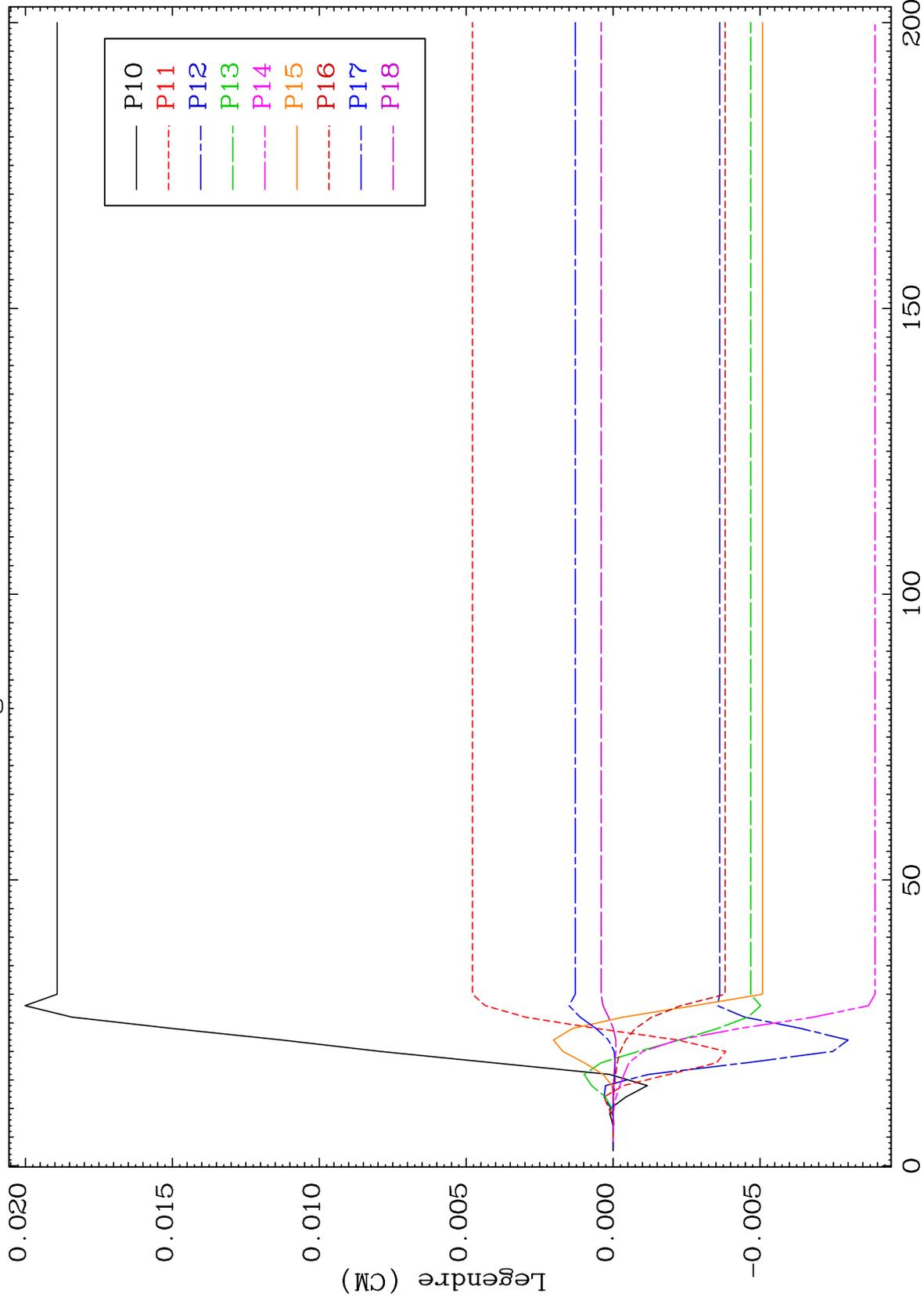
Incident Energy (MeV)

62

MAT 5843

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

58-Ce-142



63

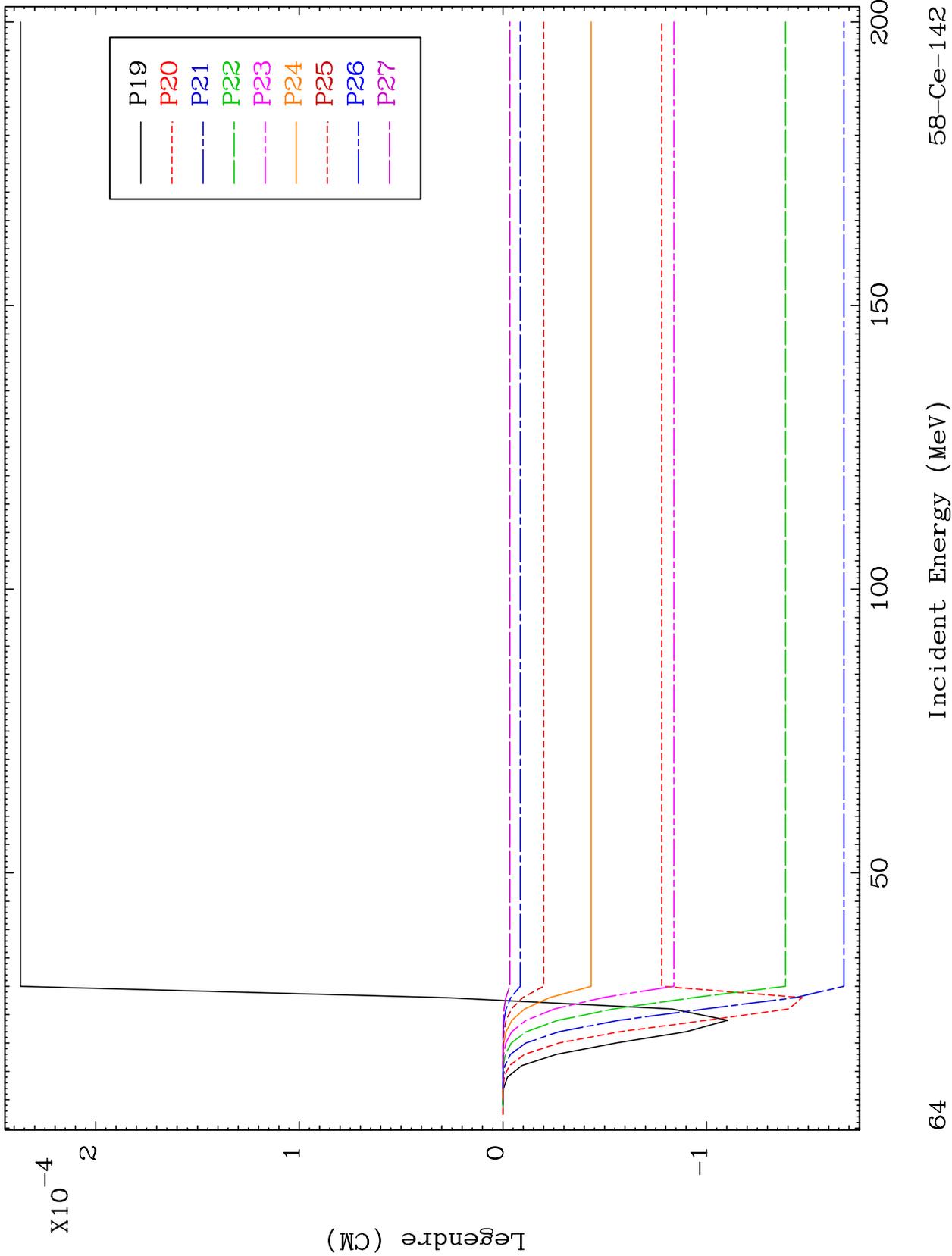
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



64

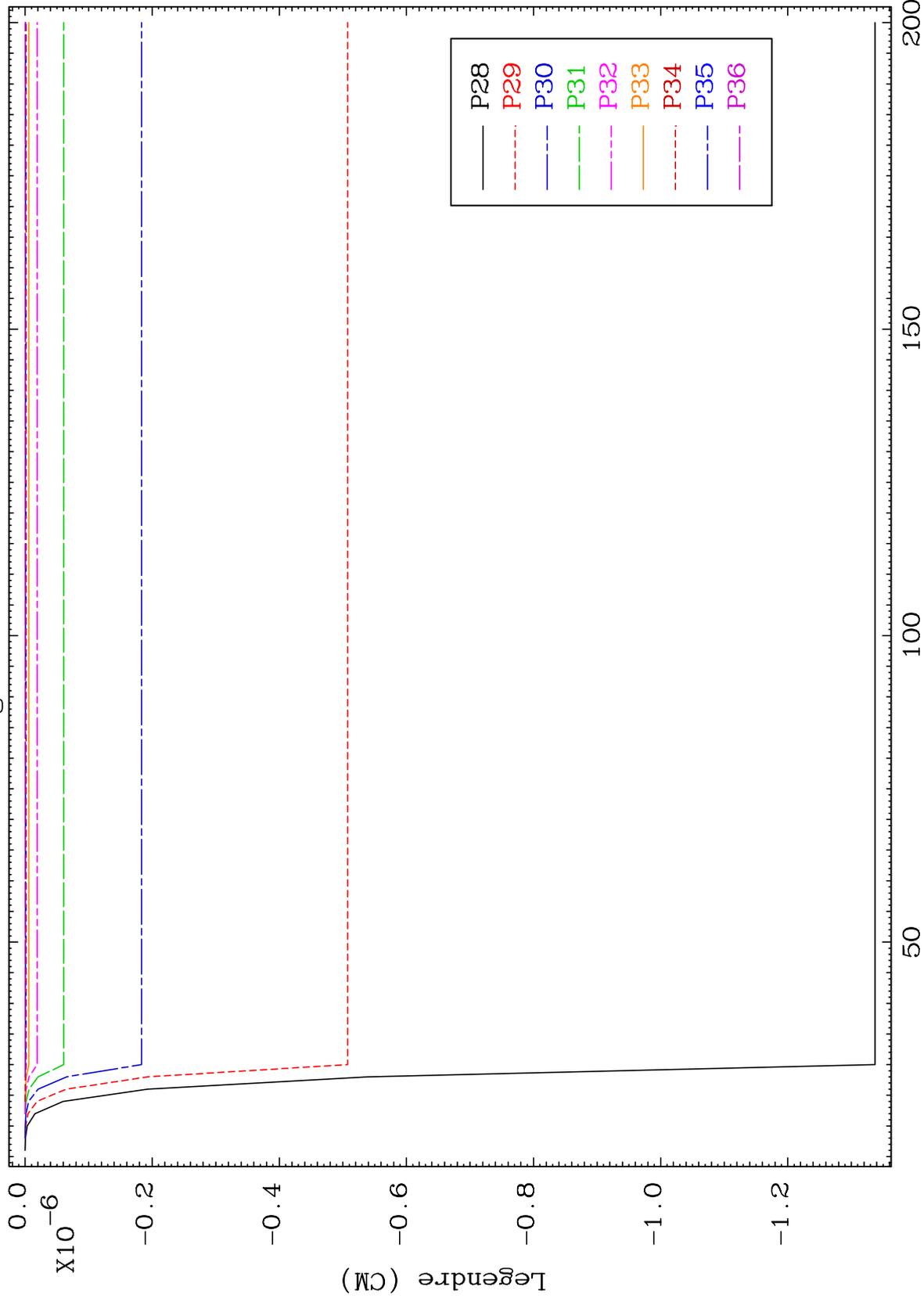
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

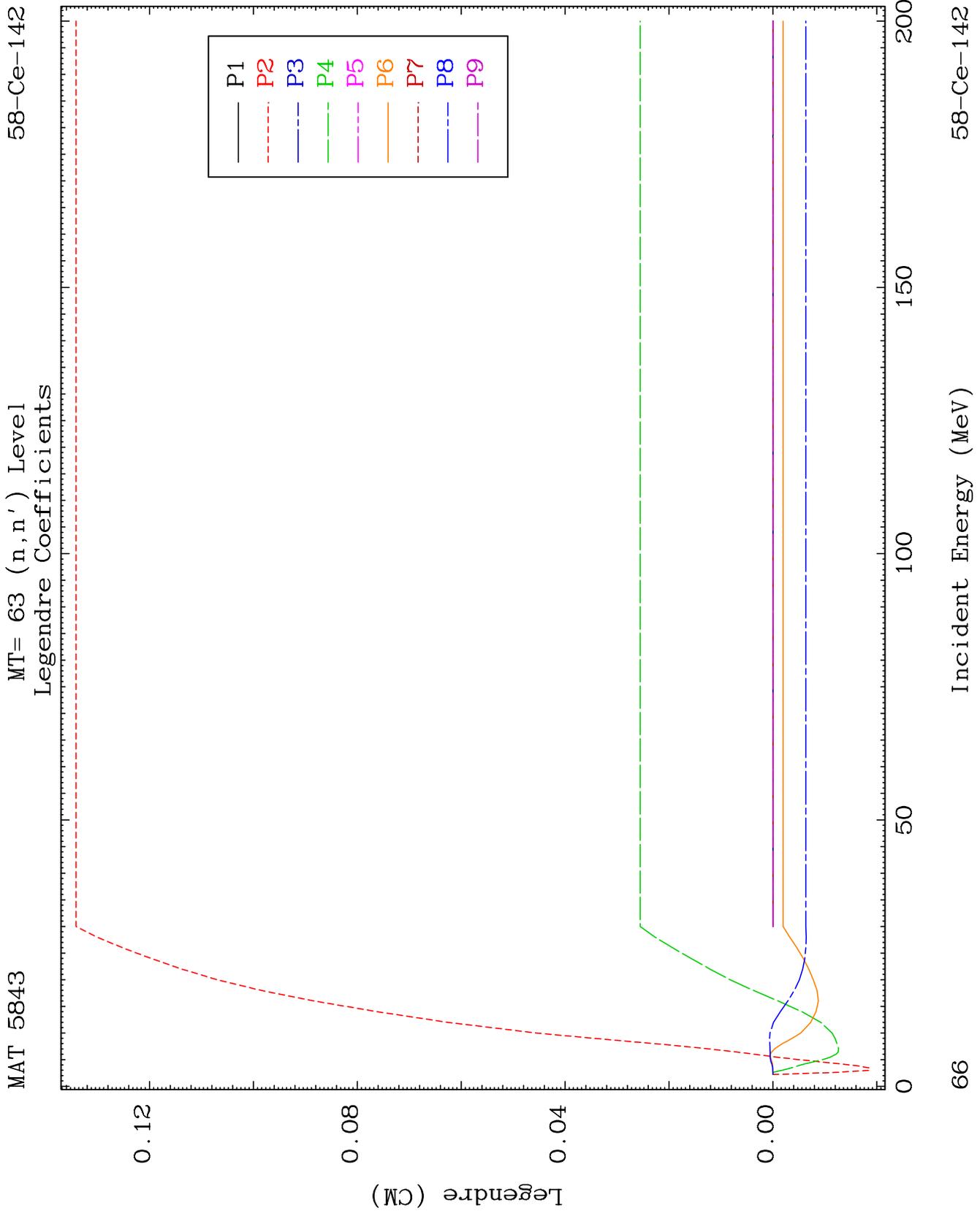
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65

Incident Energy (MeV)

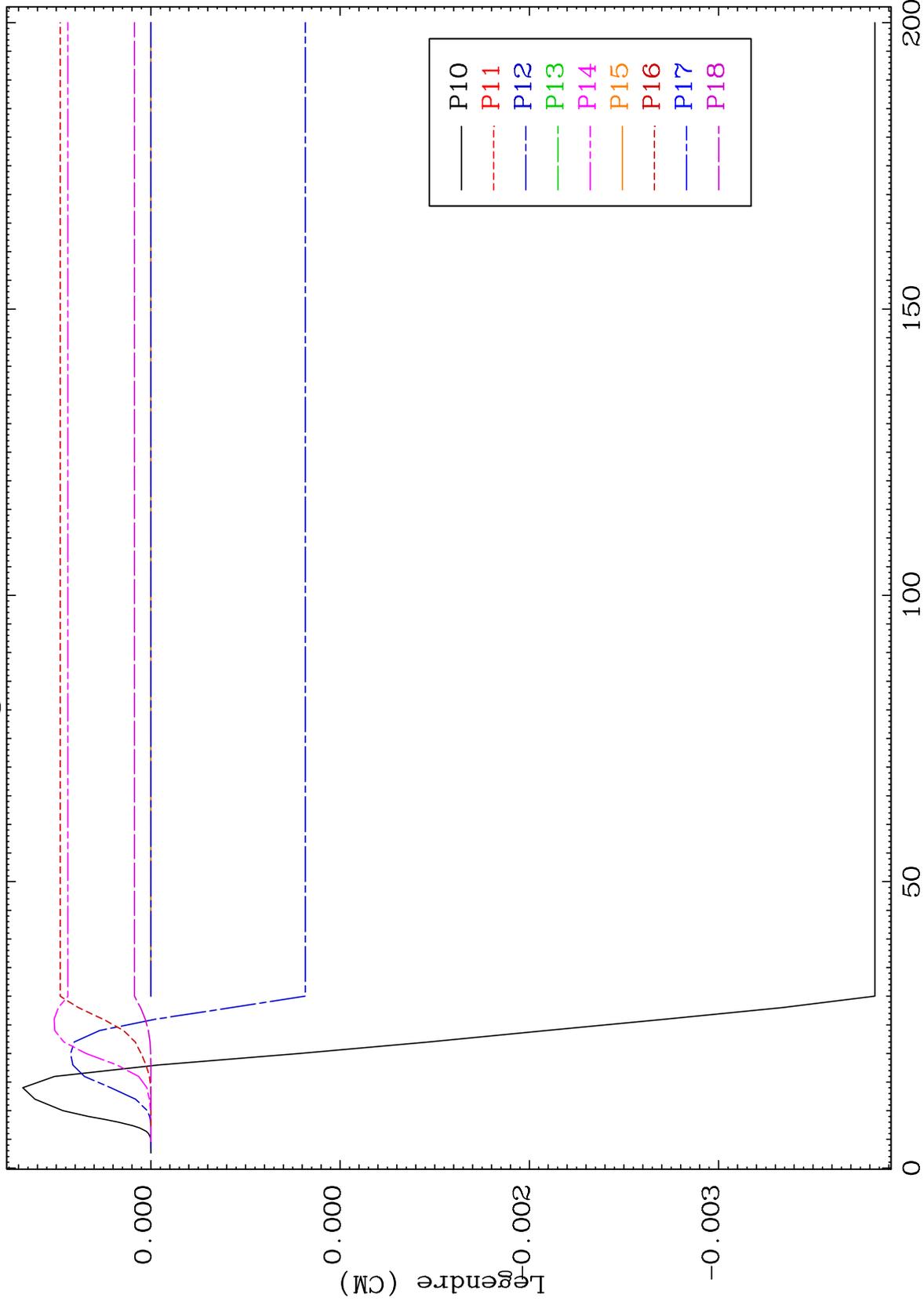
58-Ce-142



MAT 5843

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

58-Ce-142



67

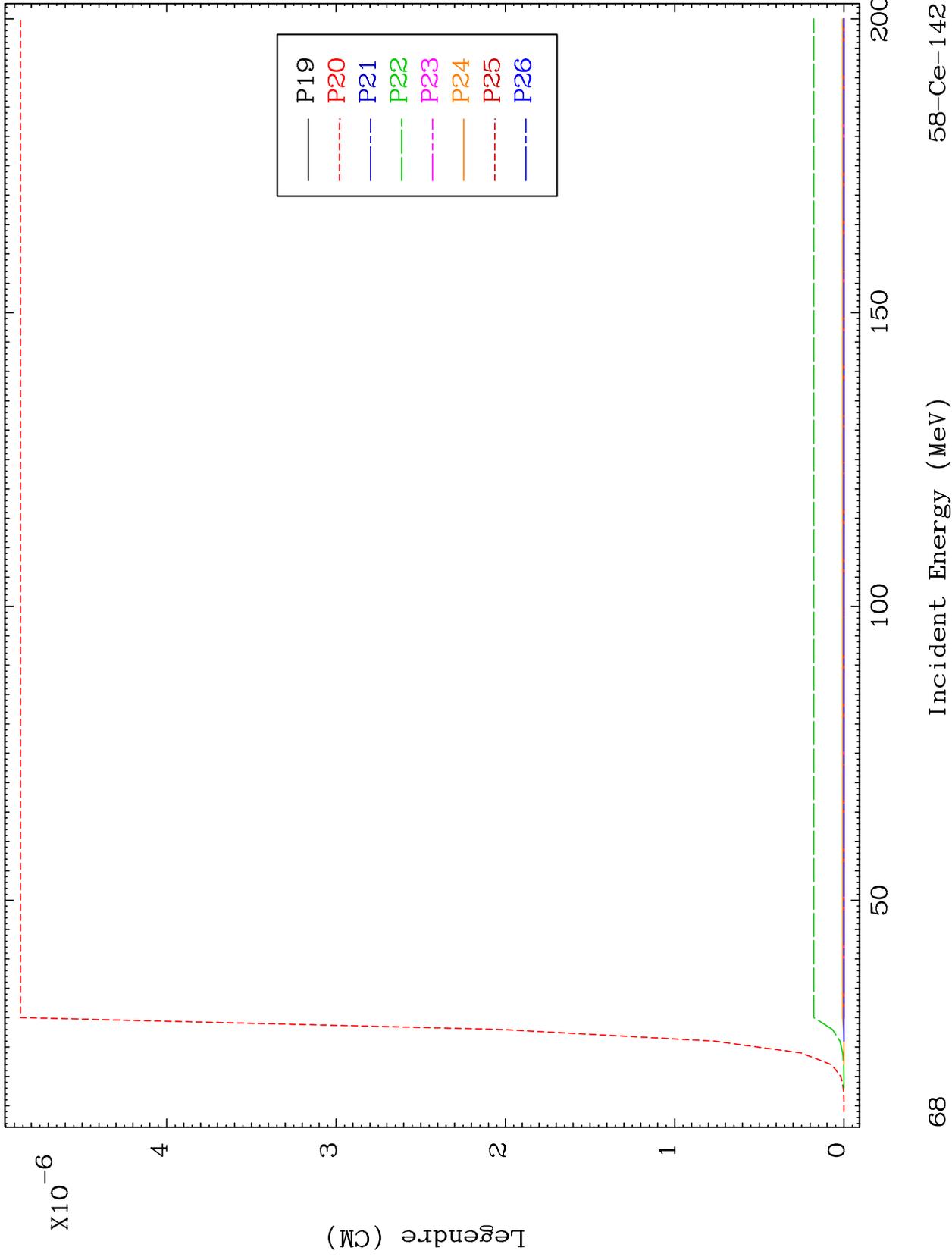
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



68

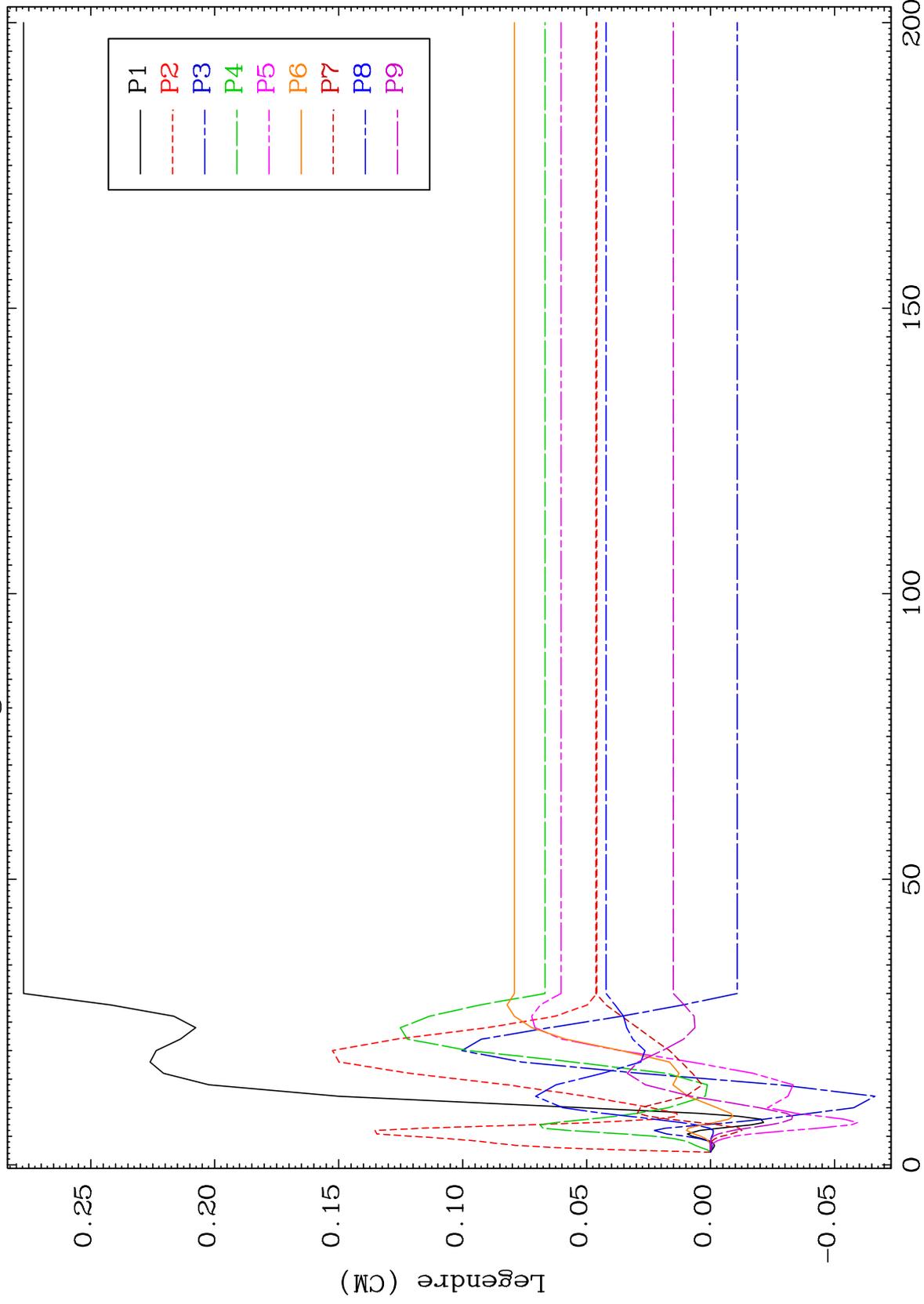
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



69

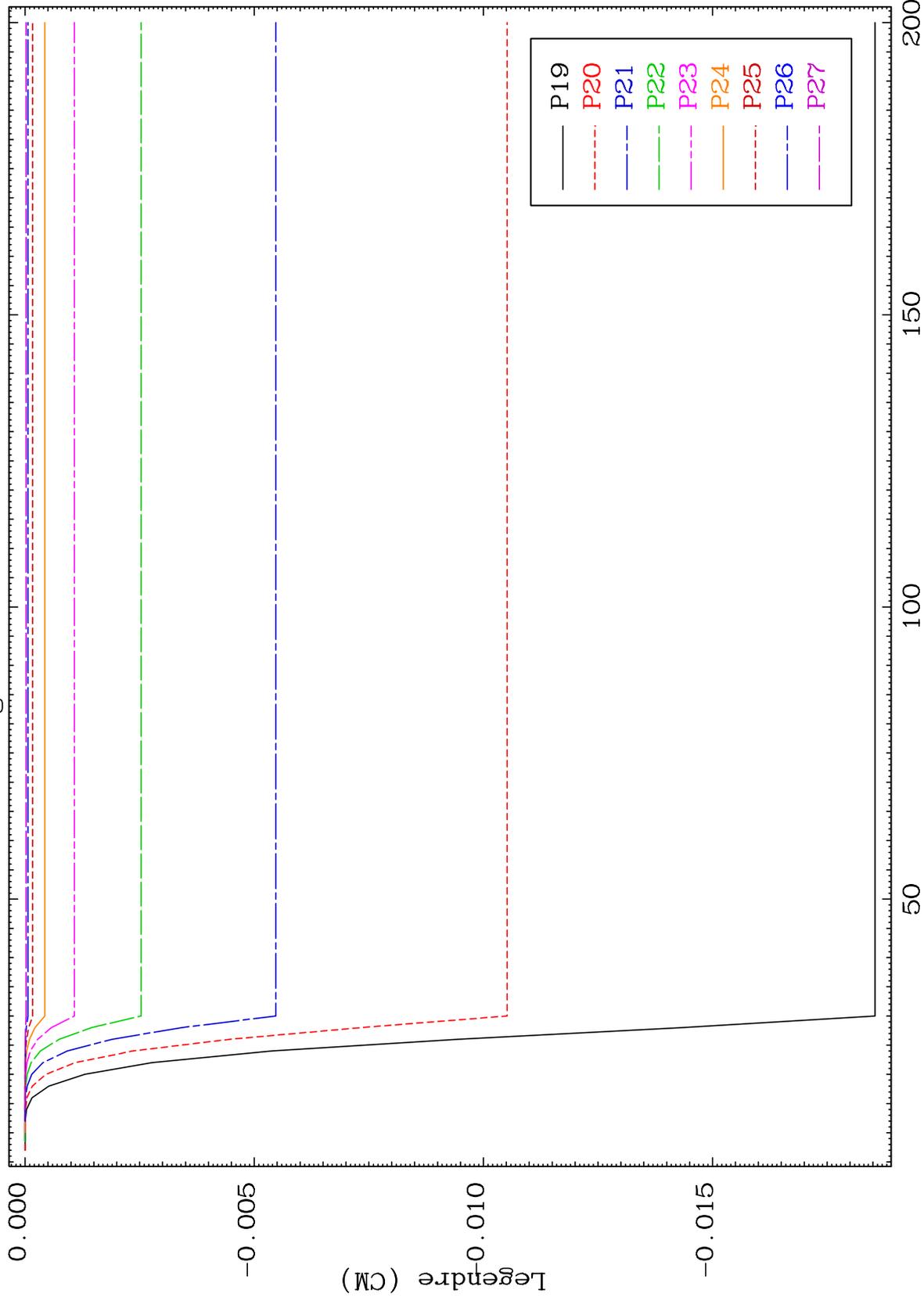
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



71

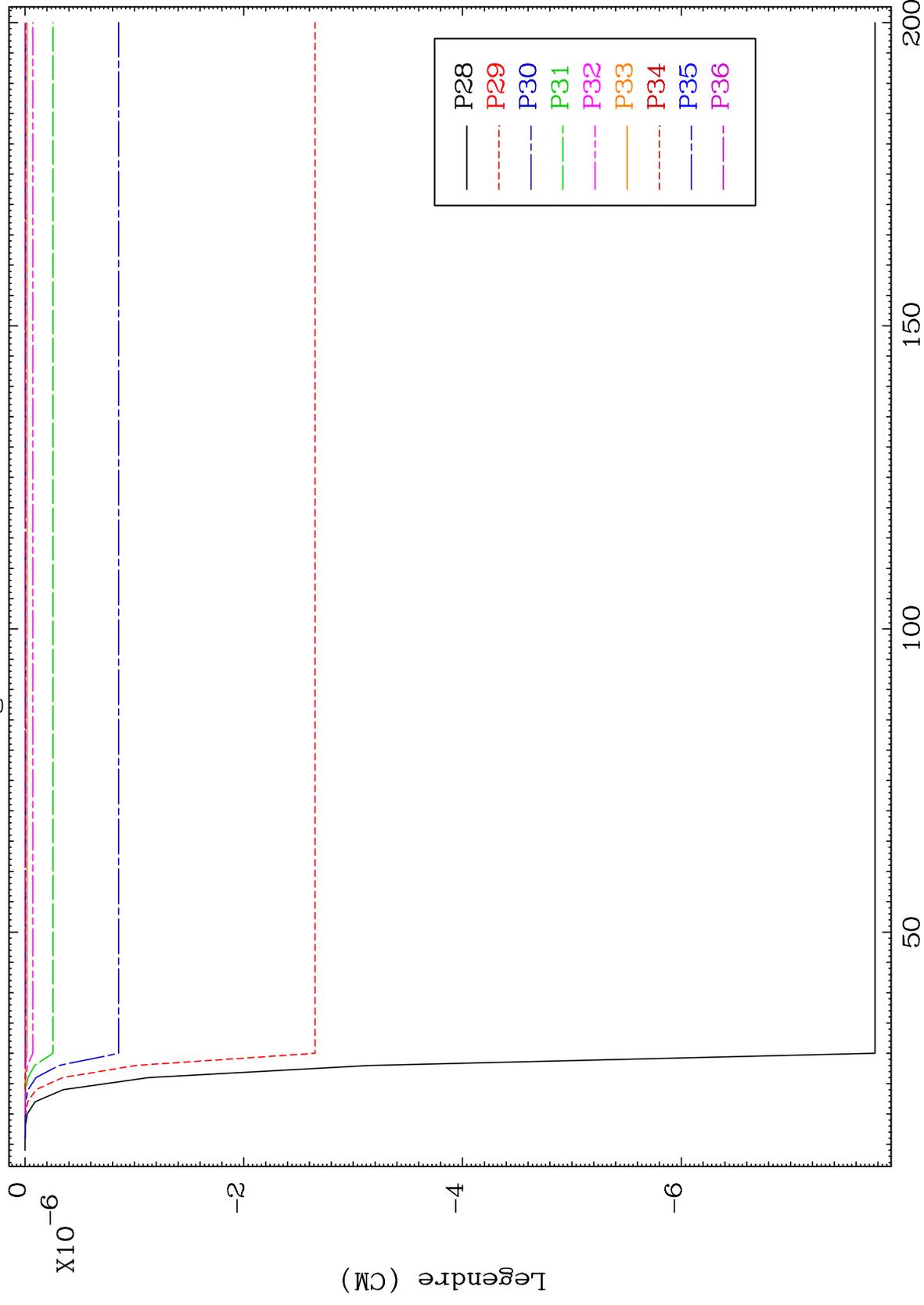
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



72

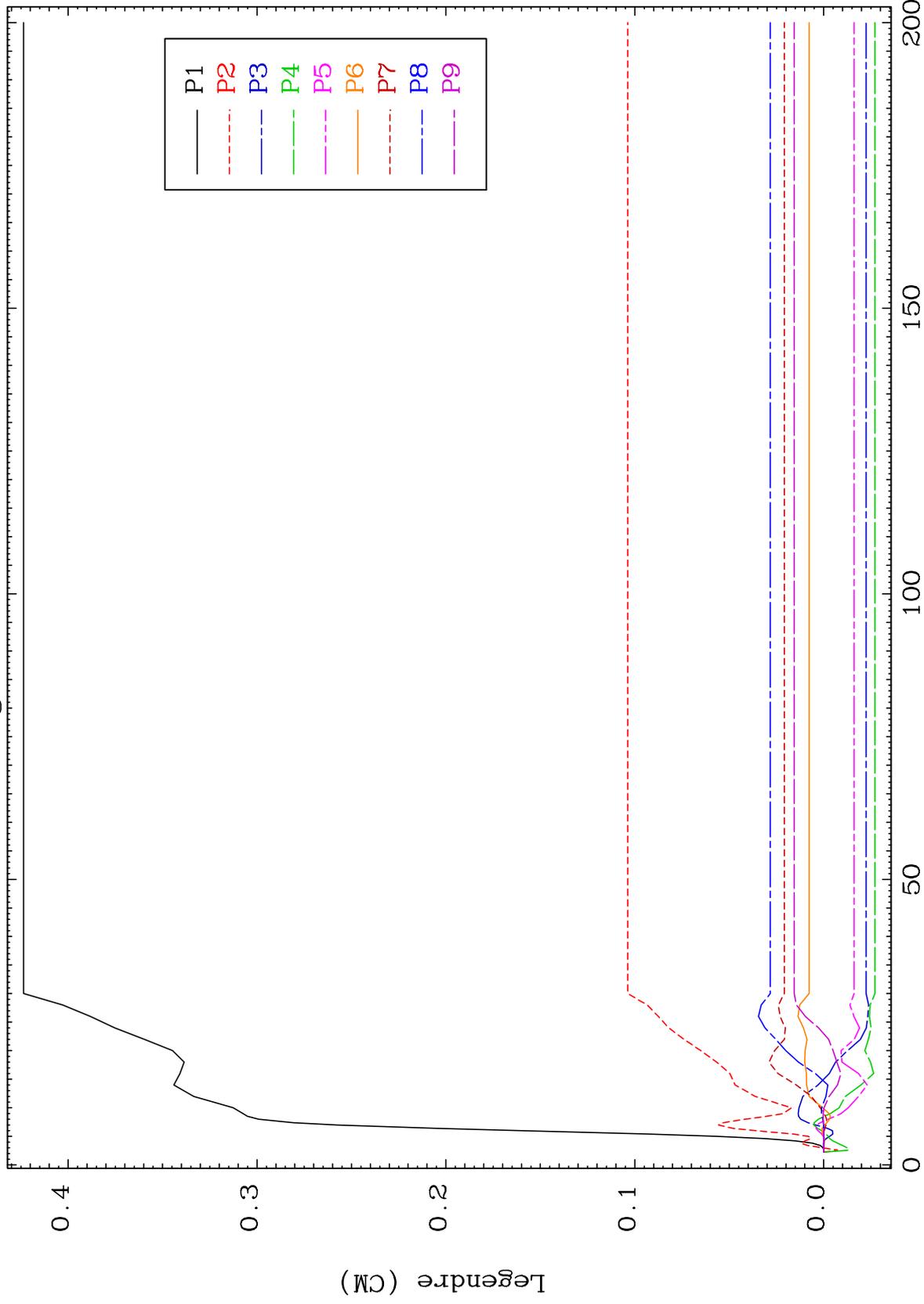
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



73

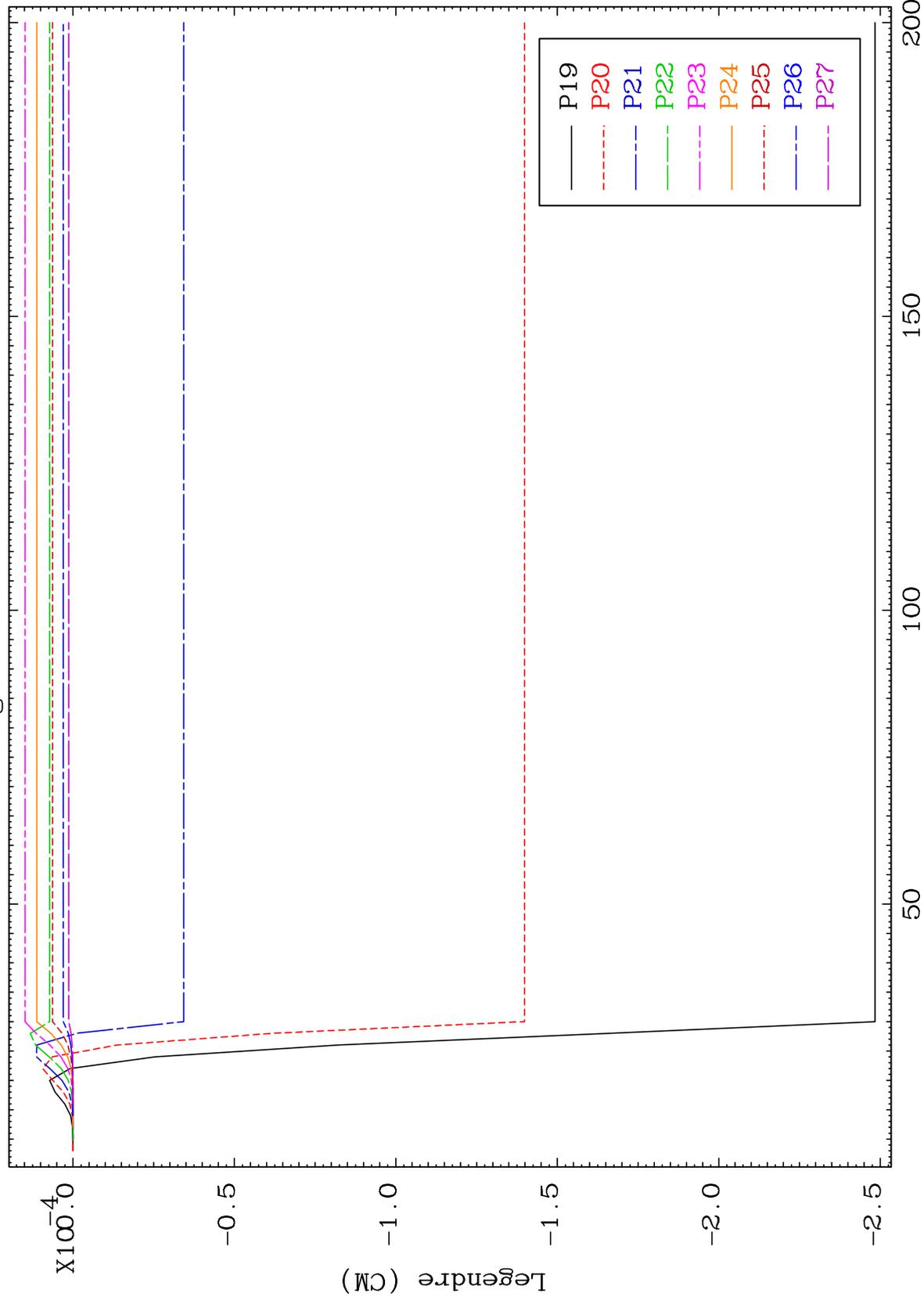
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

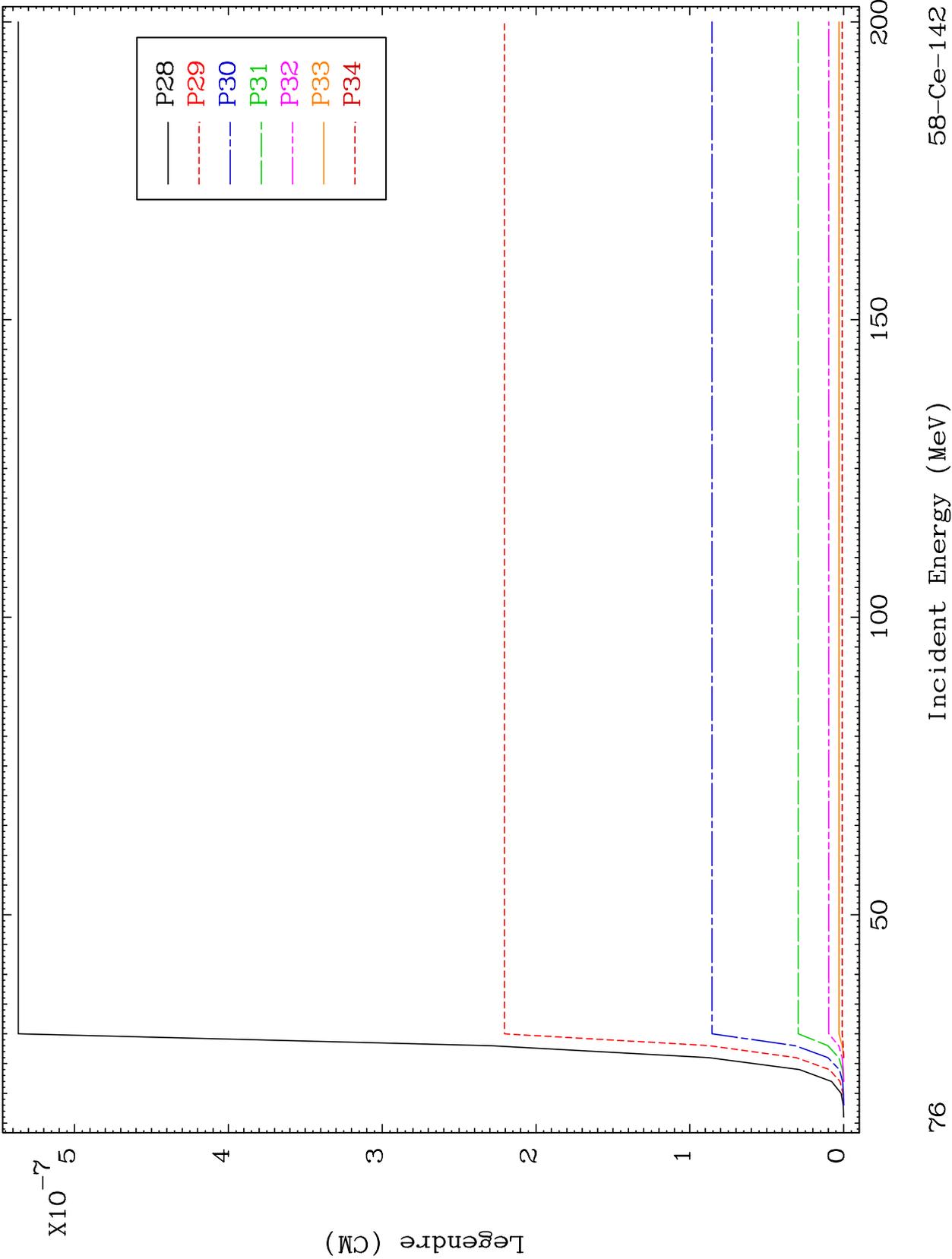
Incident Energy (MeV)

75

MAT 5843

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

58-Ce-142



76

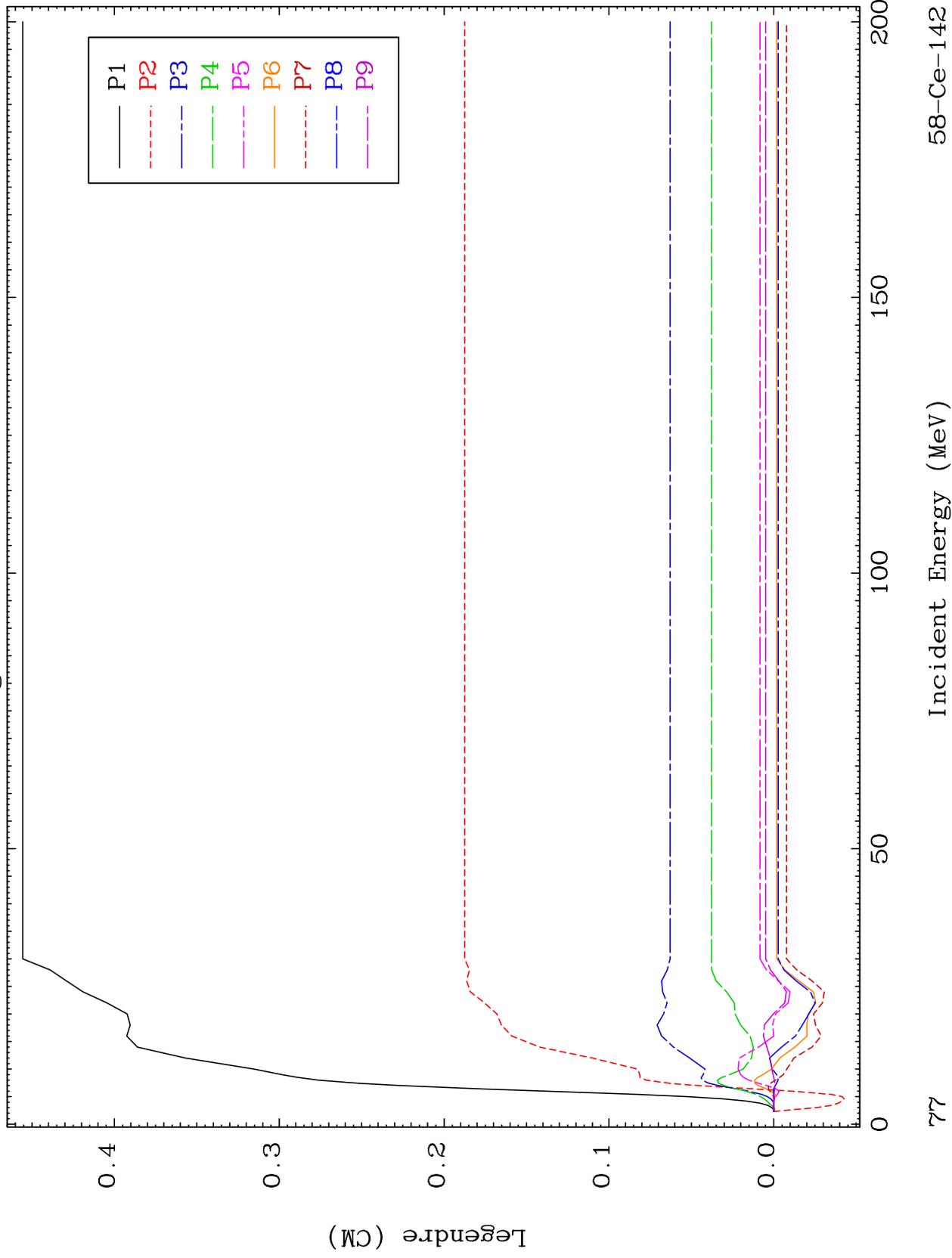
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



77

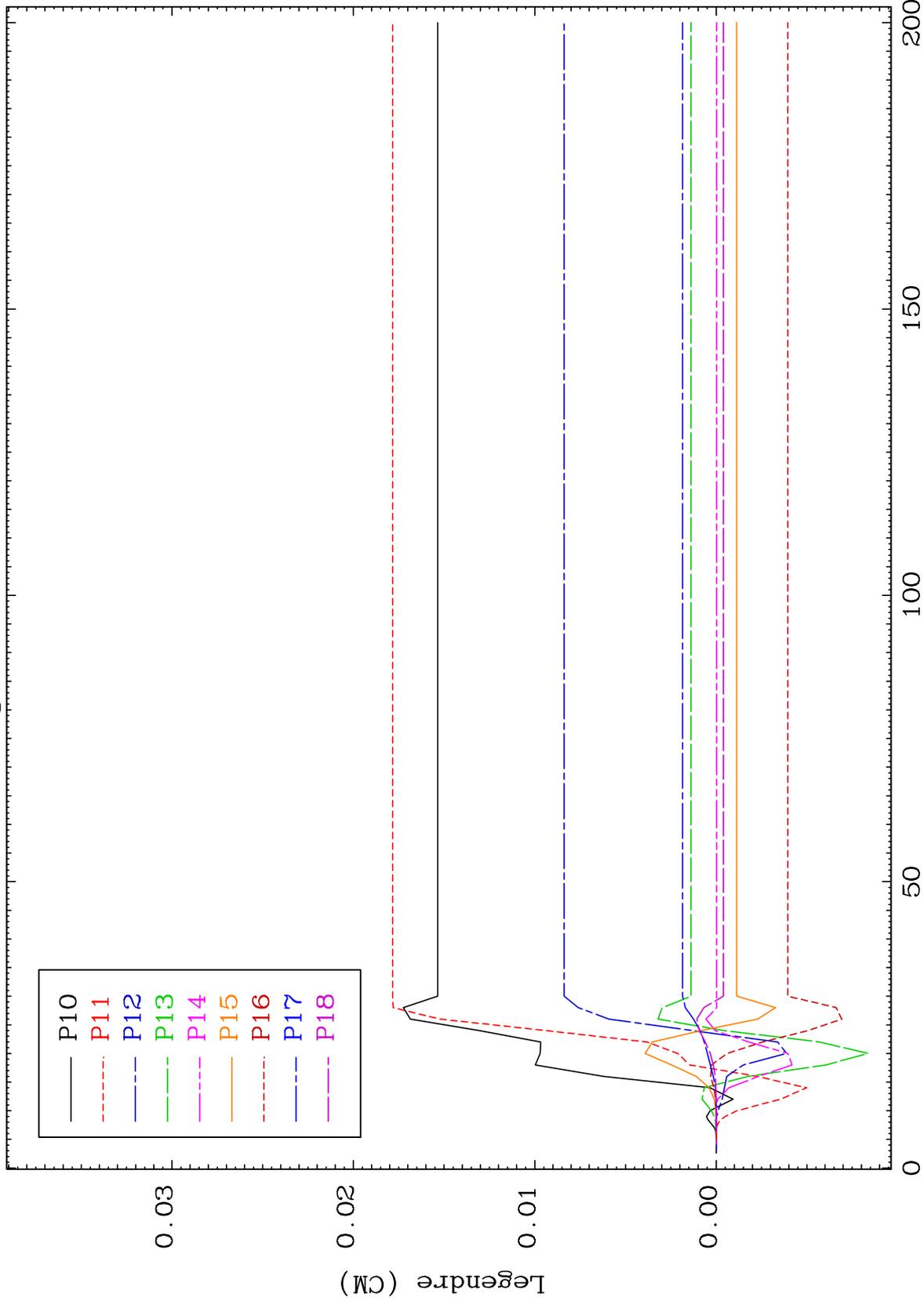
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



78

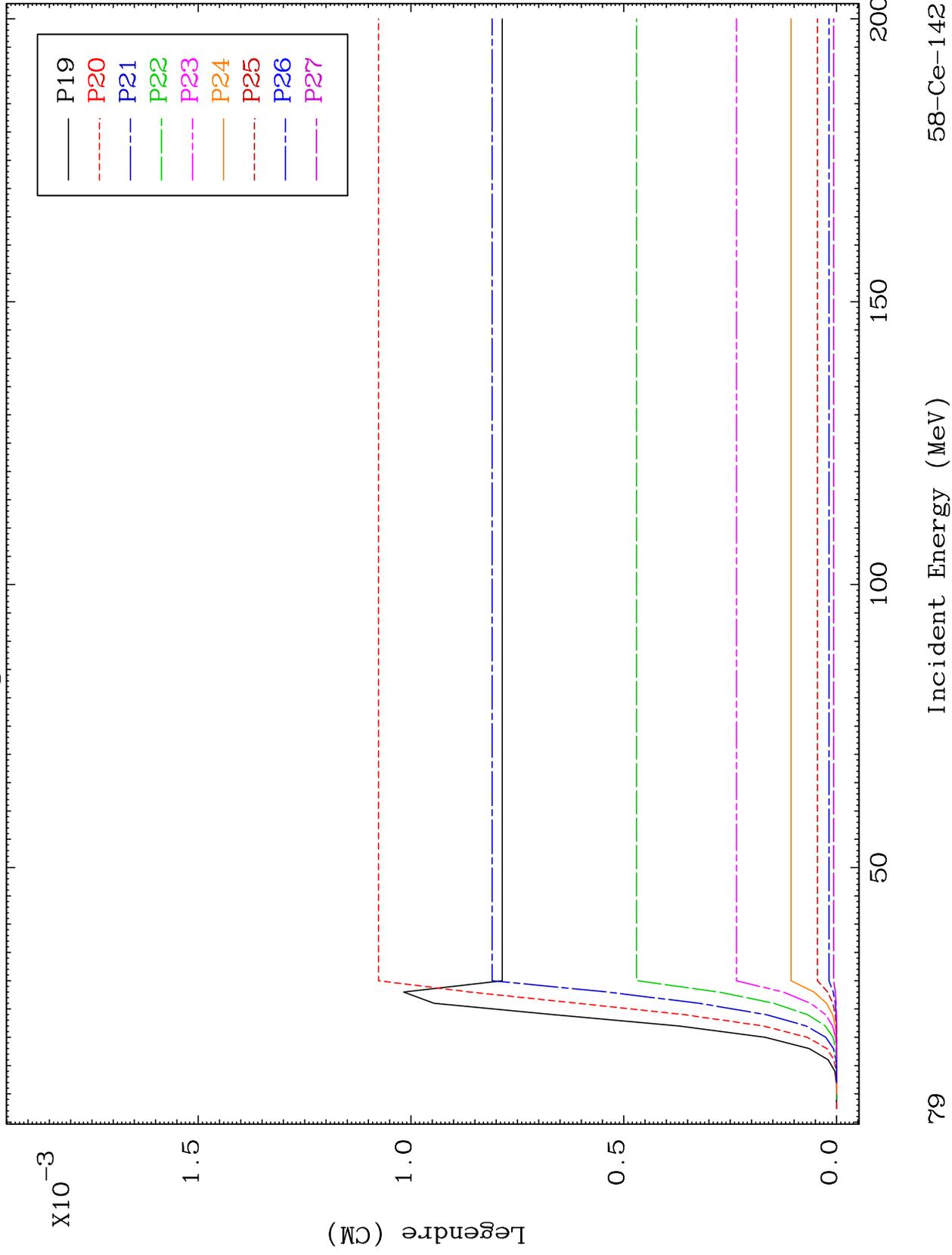
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

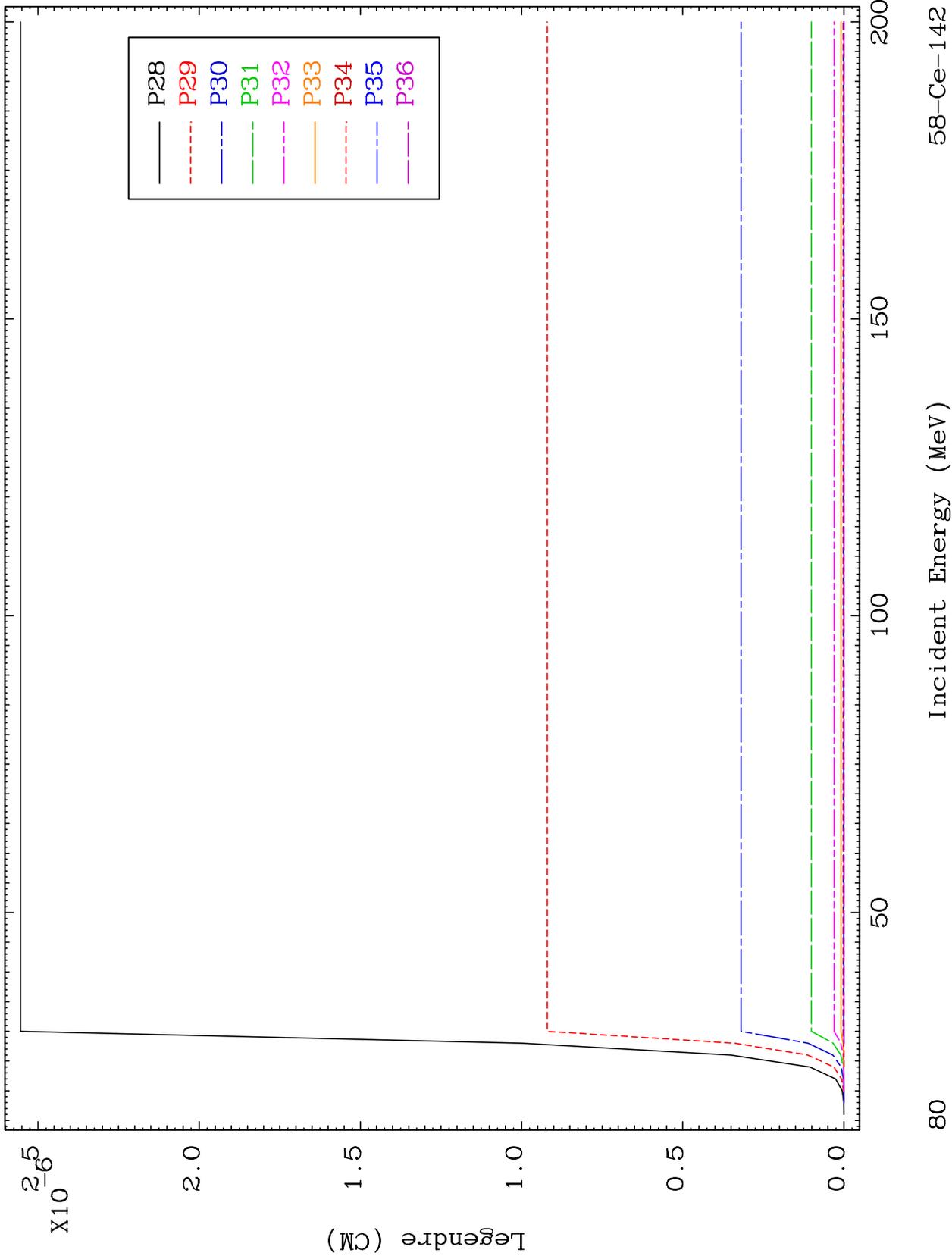
58-Ce-142



MAT 5843

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

58-Ce-142



80

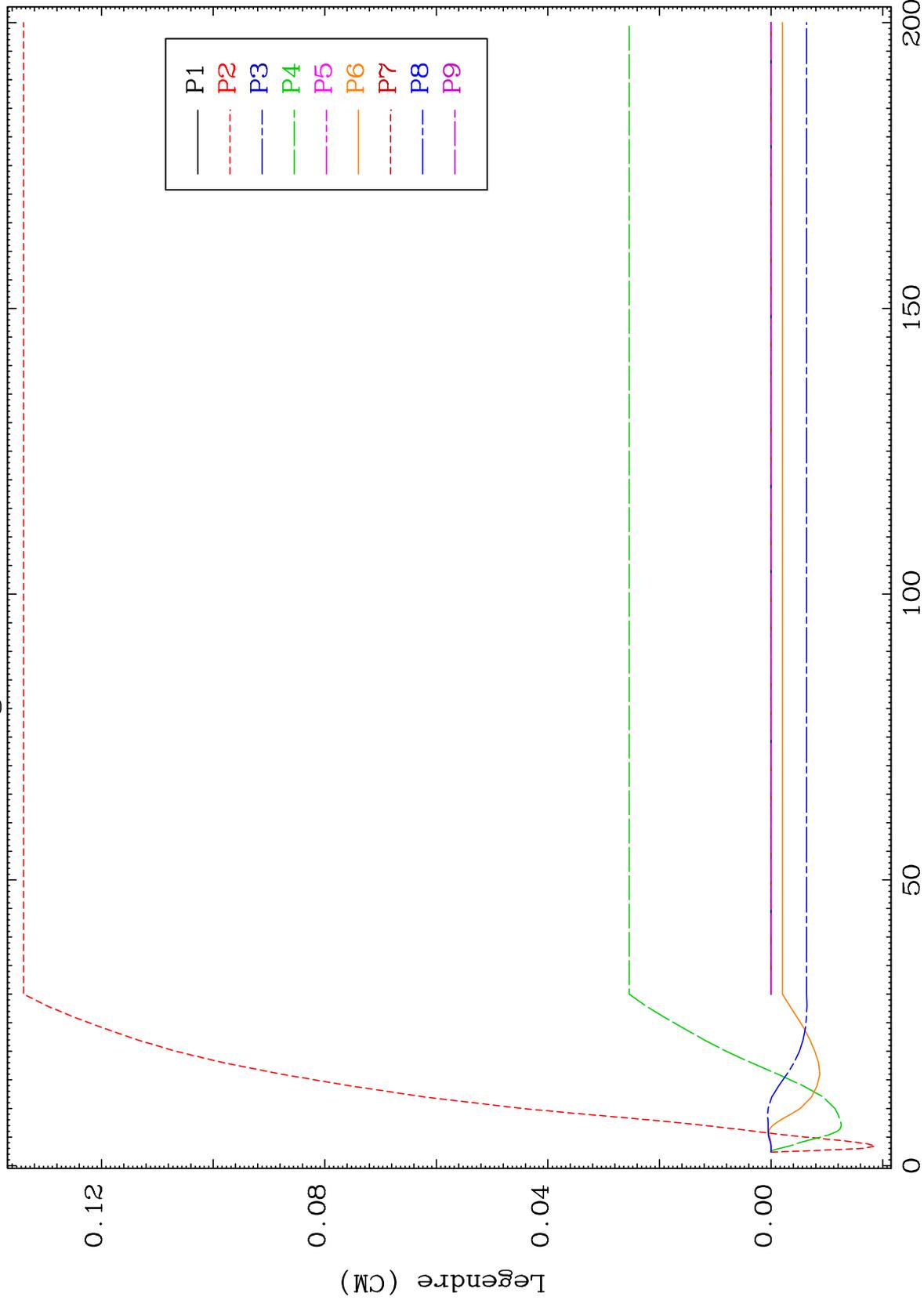
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



81

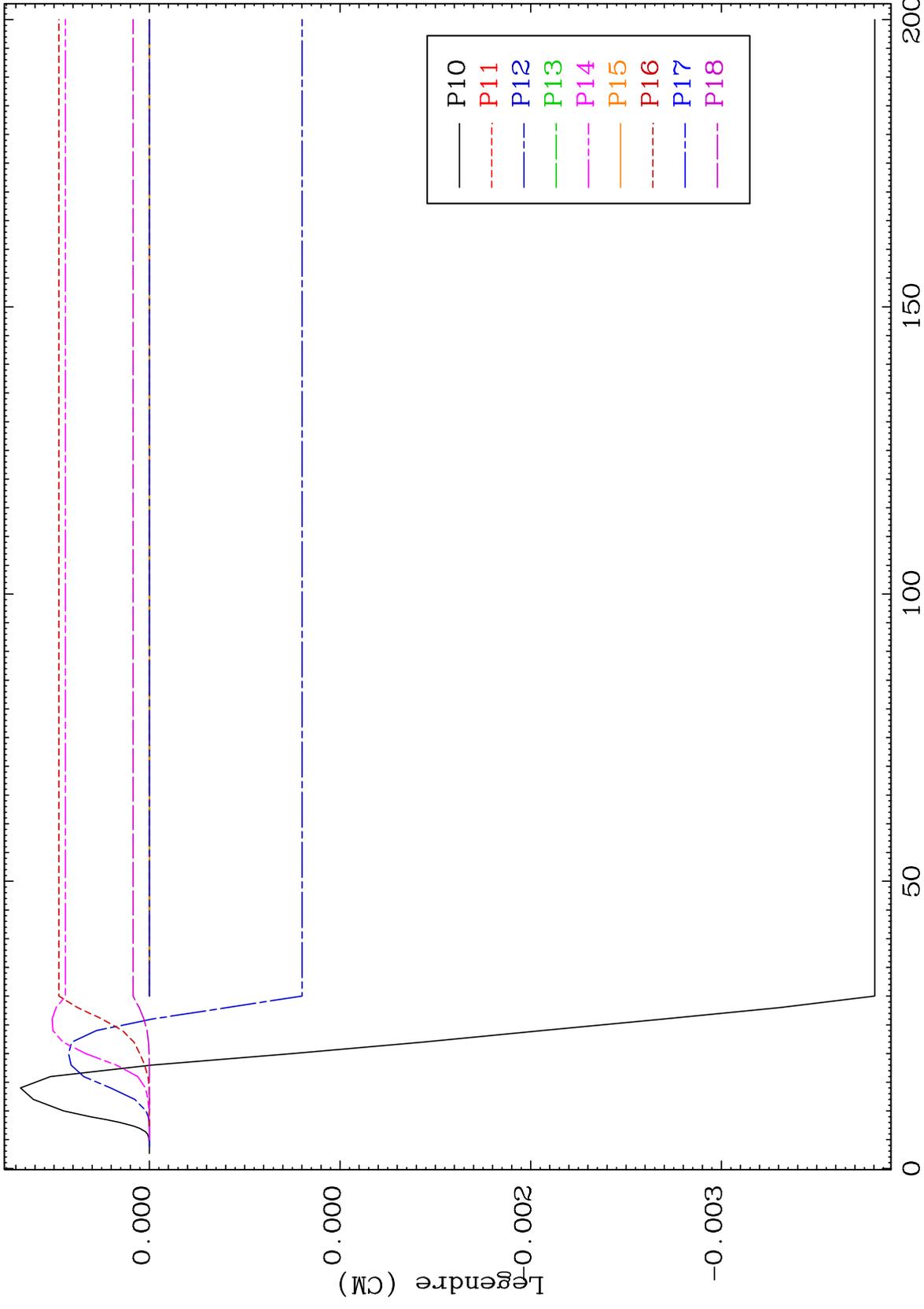
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



82

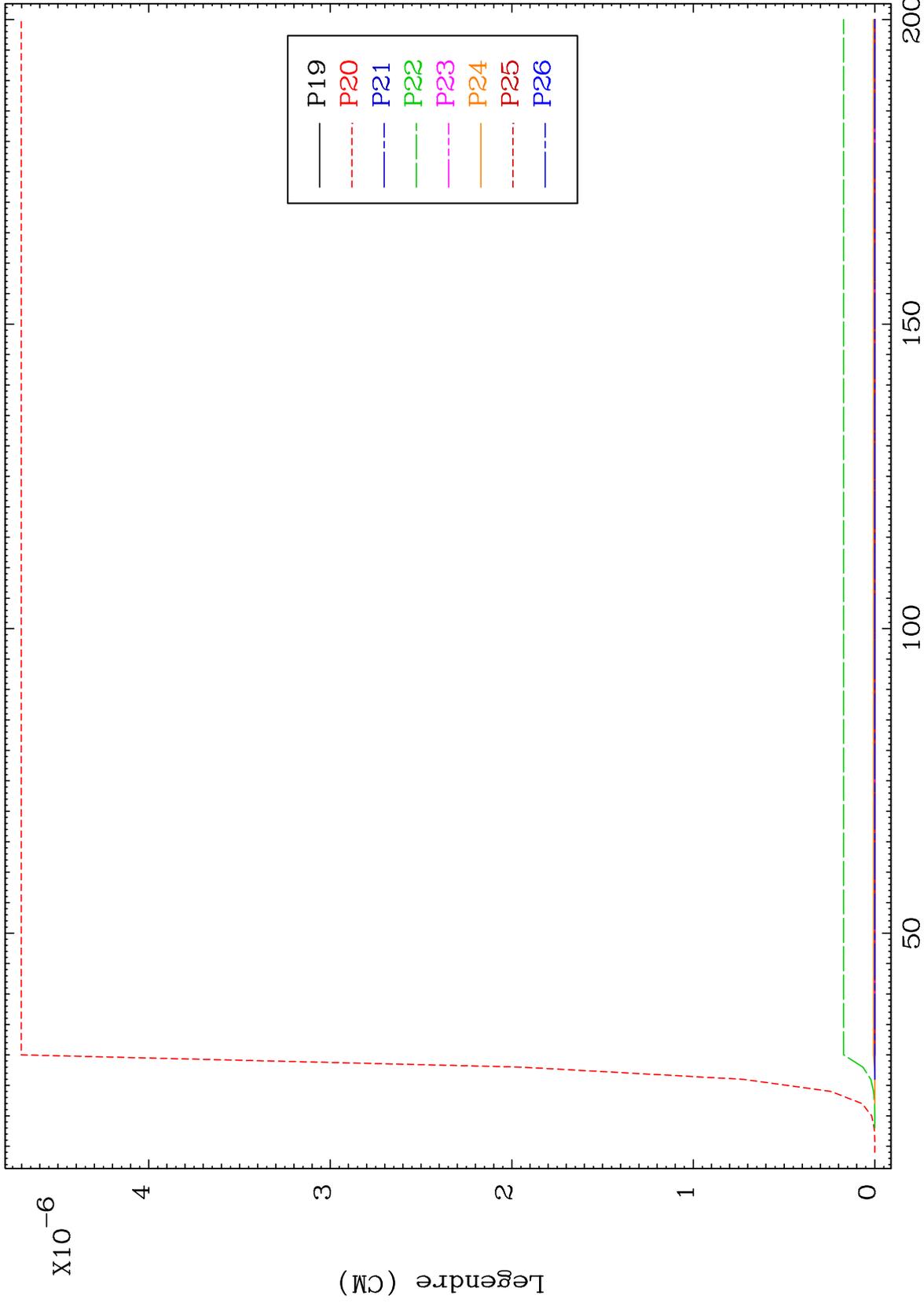
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



83

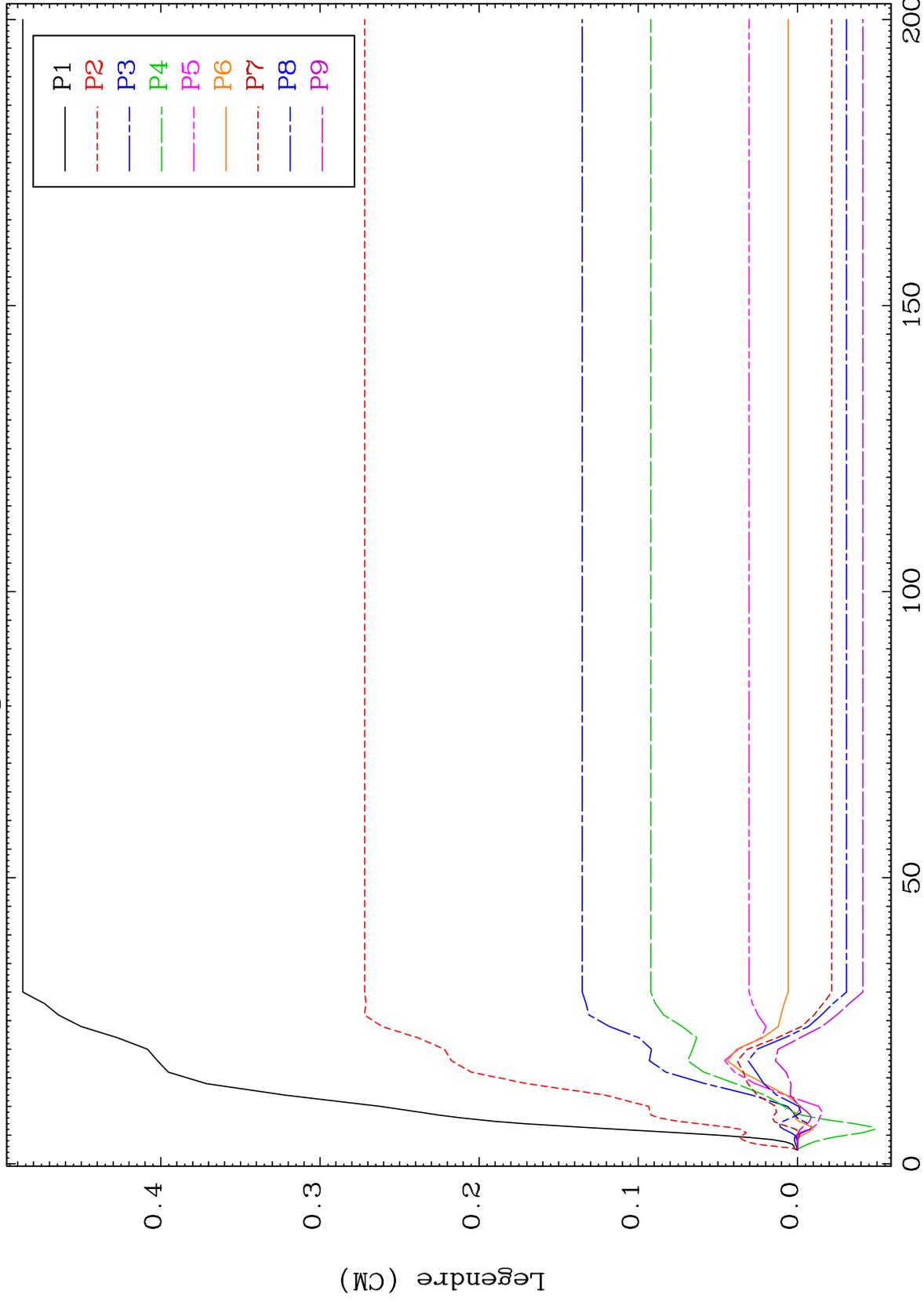
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



84

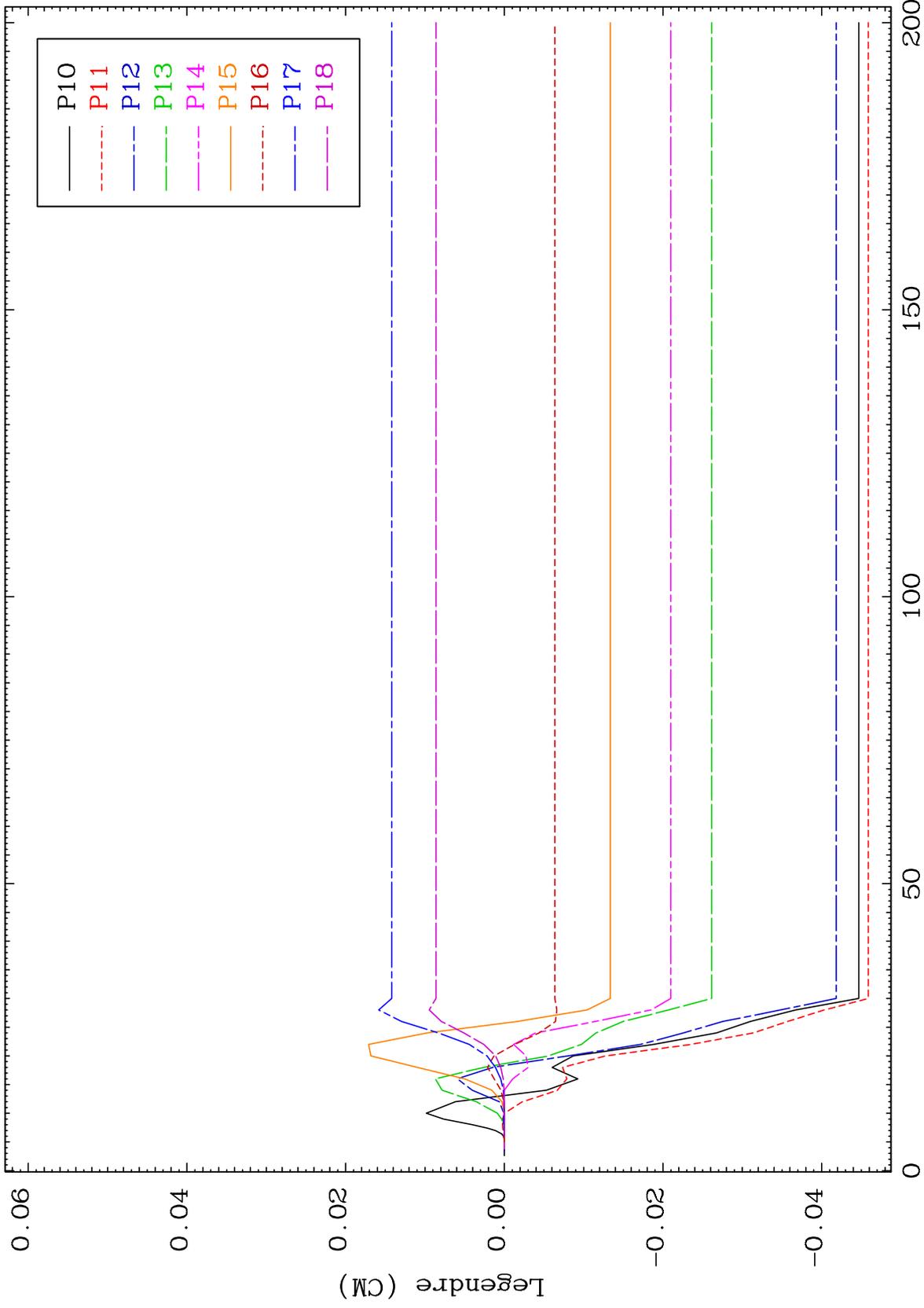
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



85

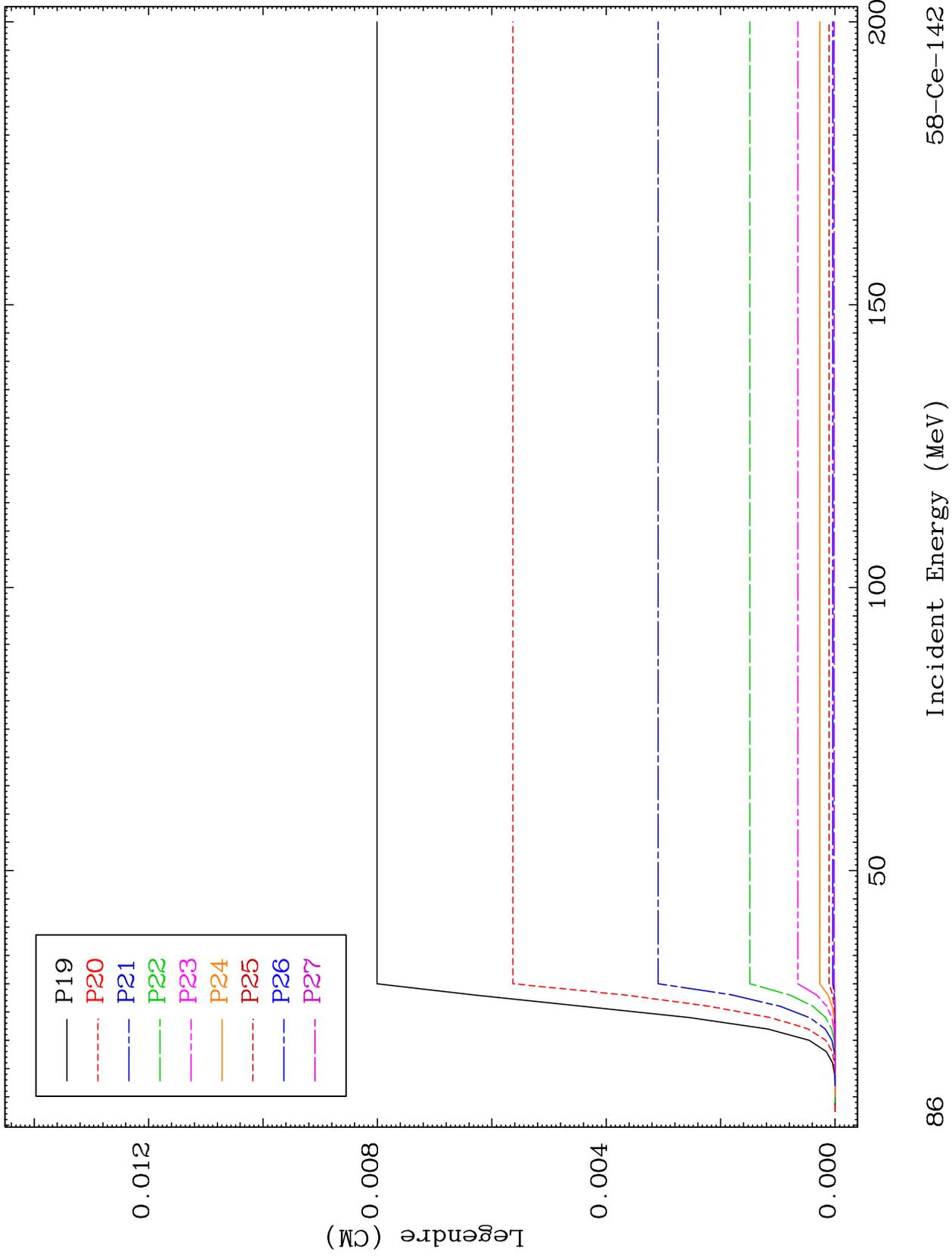
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



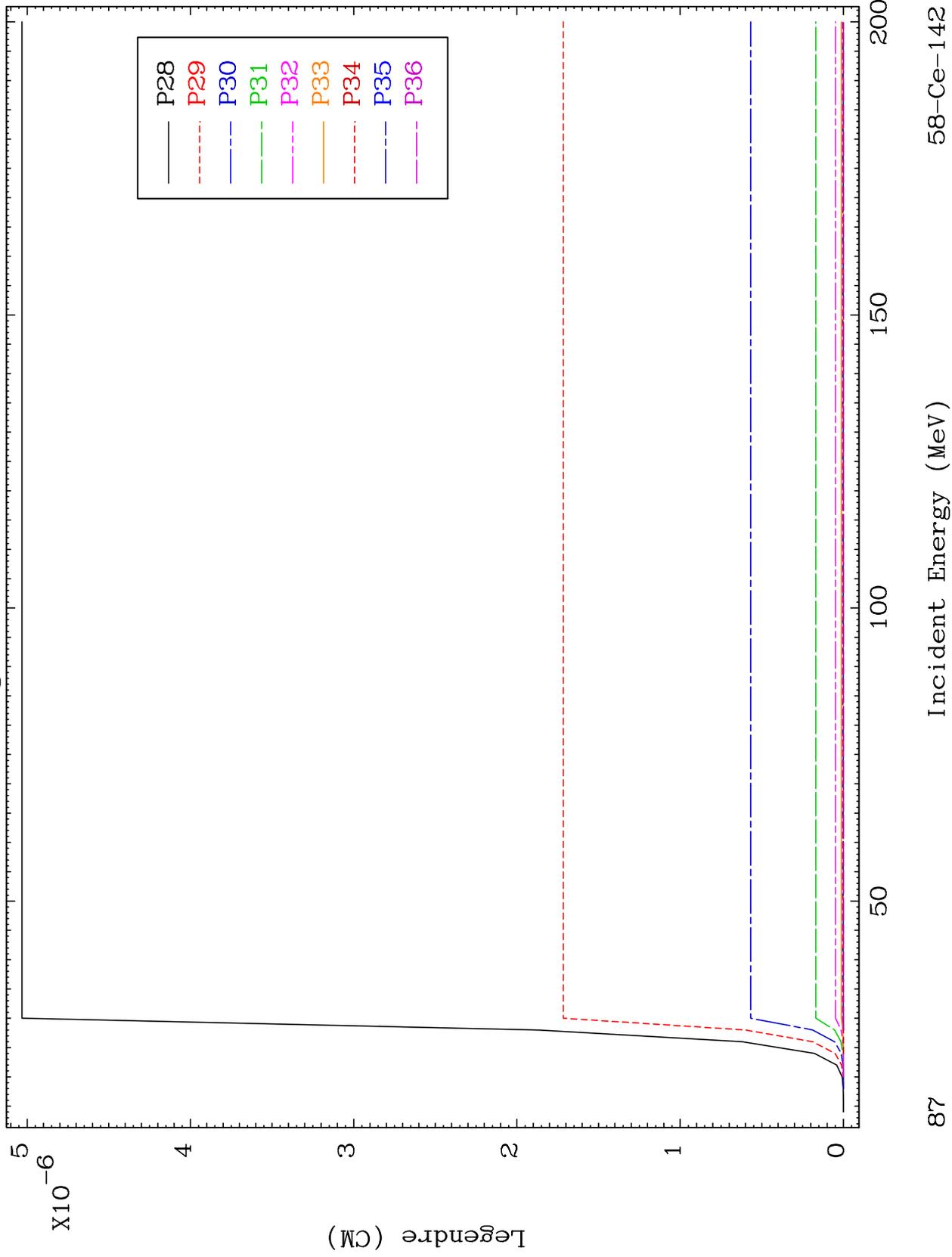
86

58-Ce-142

MAT 5843

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

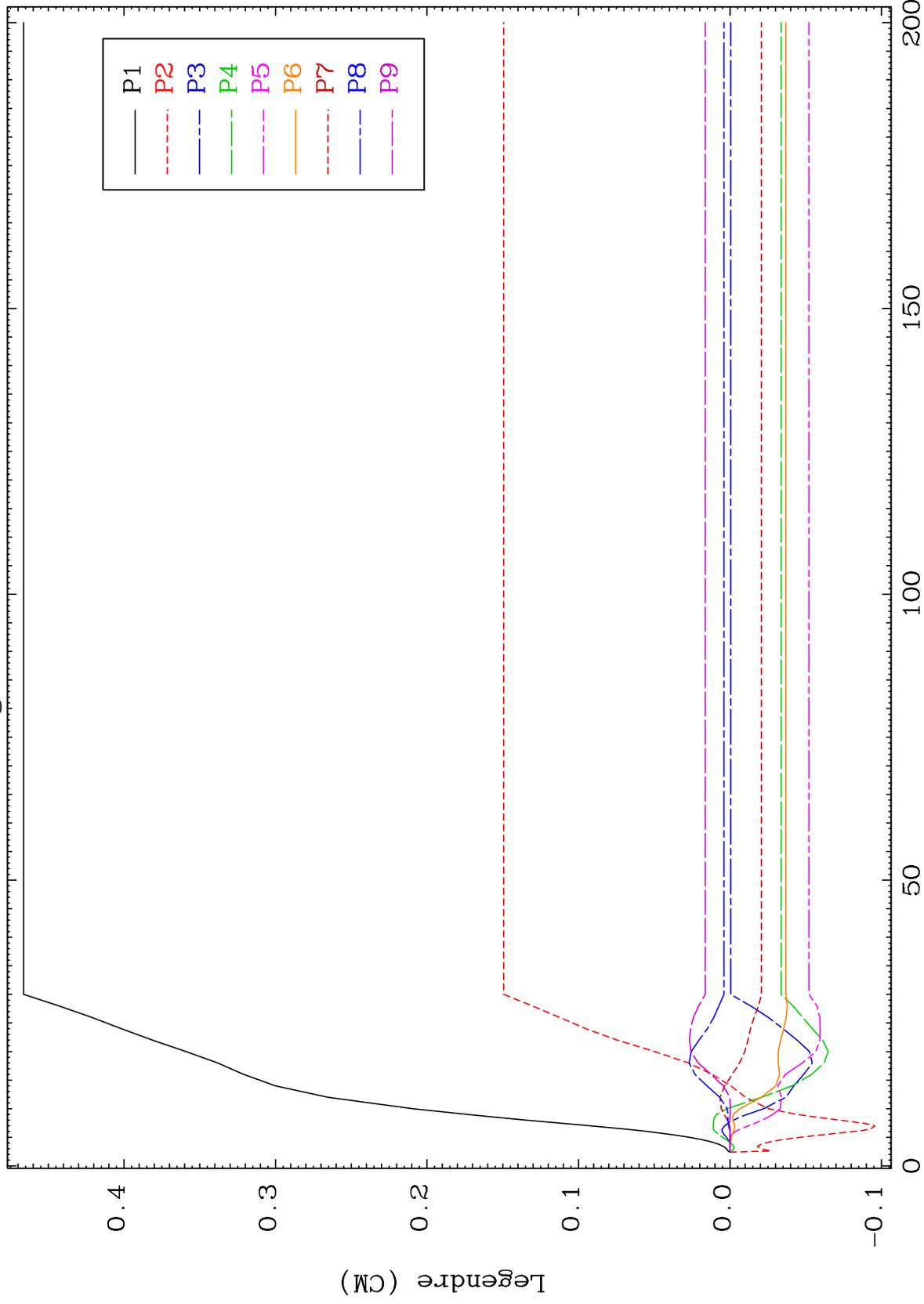
58-Ce-142



MAT 5843

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

58-Ce-142



88

Incident Energy (MeV)

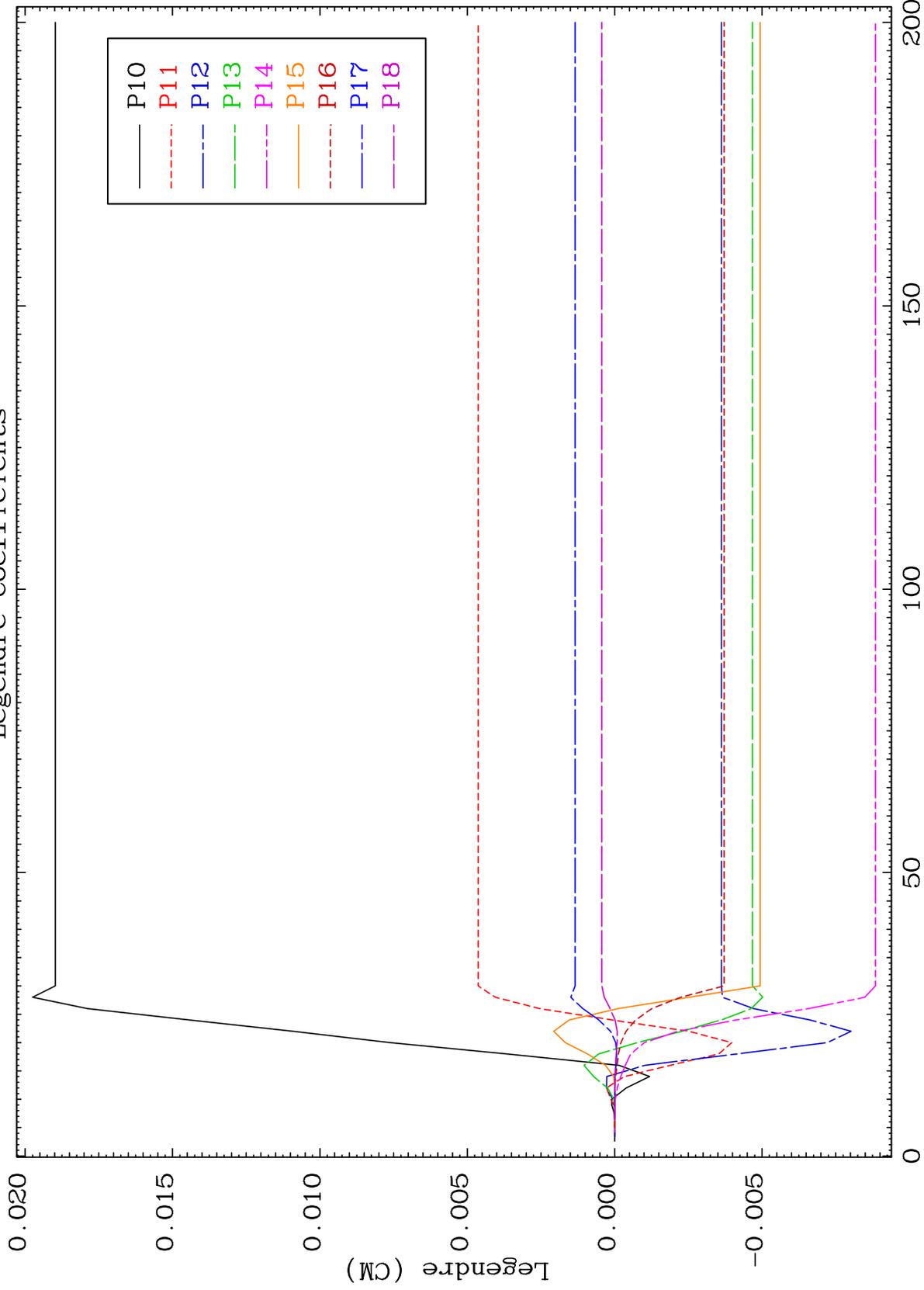
58-Ce-142

MAT 5843

MT= 69 (n,n') Level

58-Ce-142

Legendre Coefficients



89

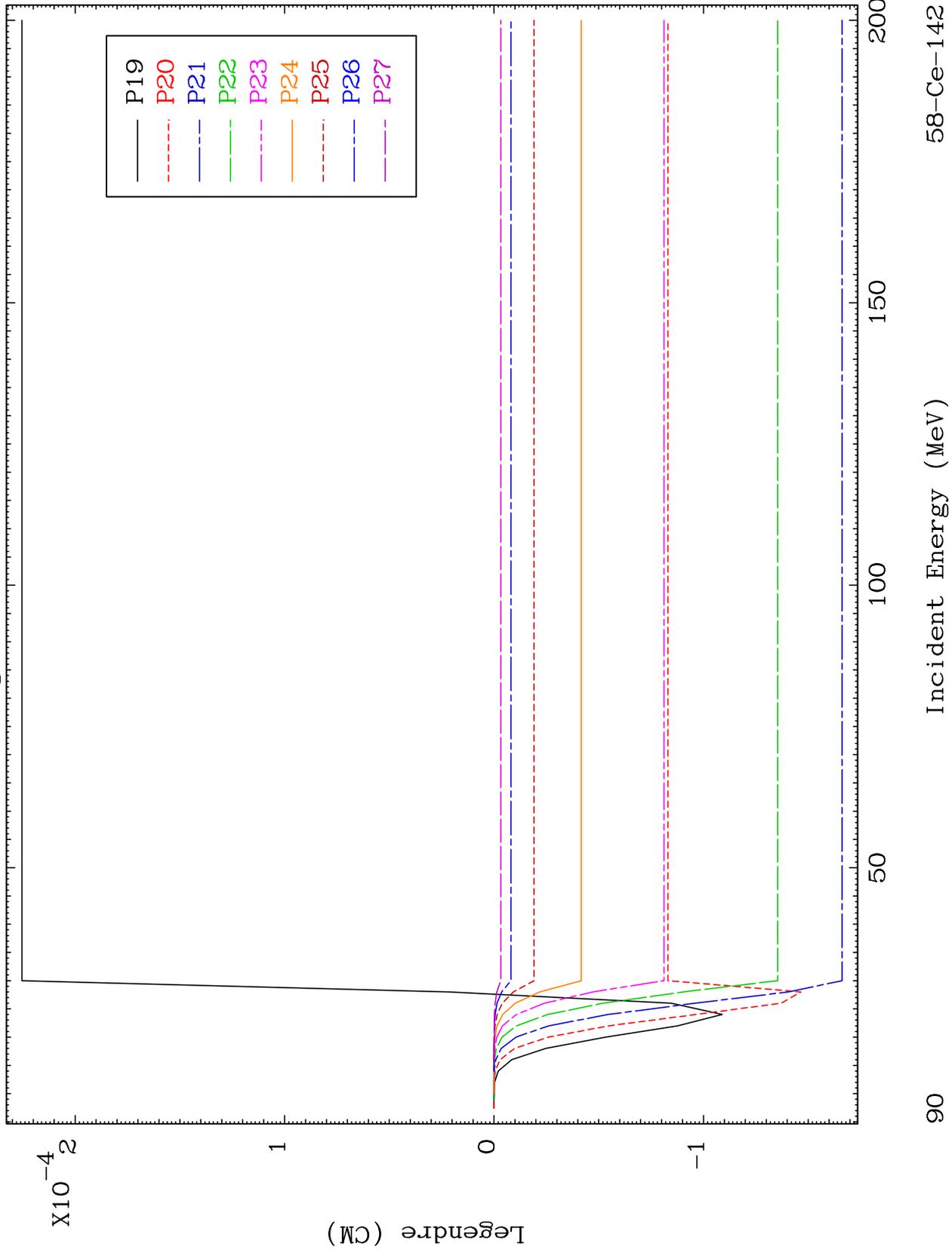
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



90

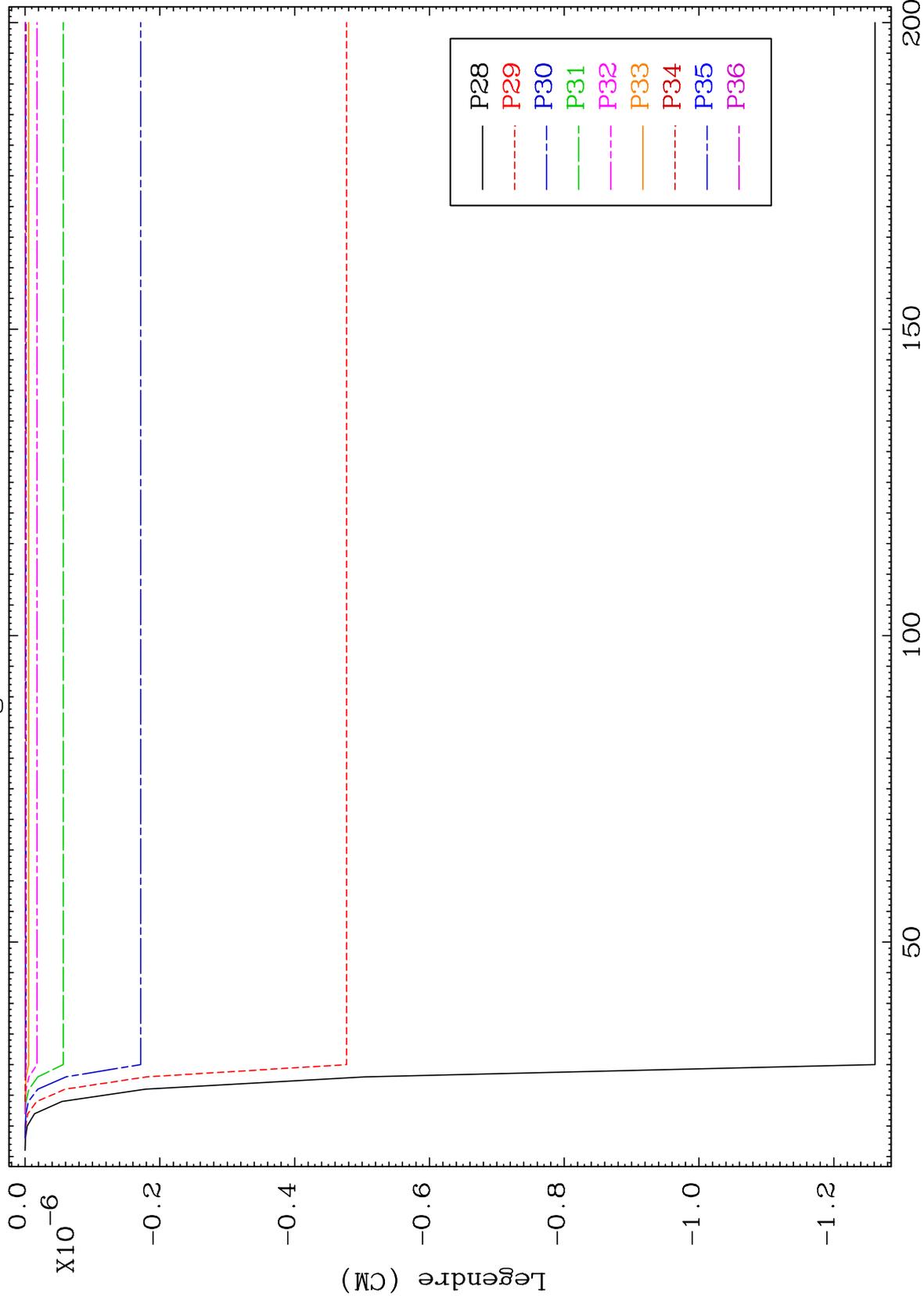
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

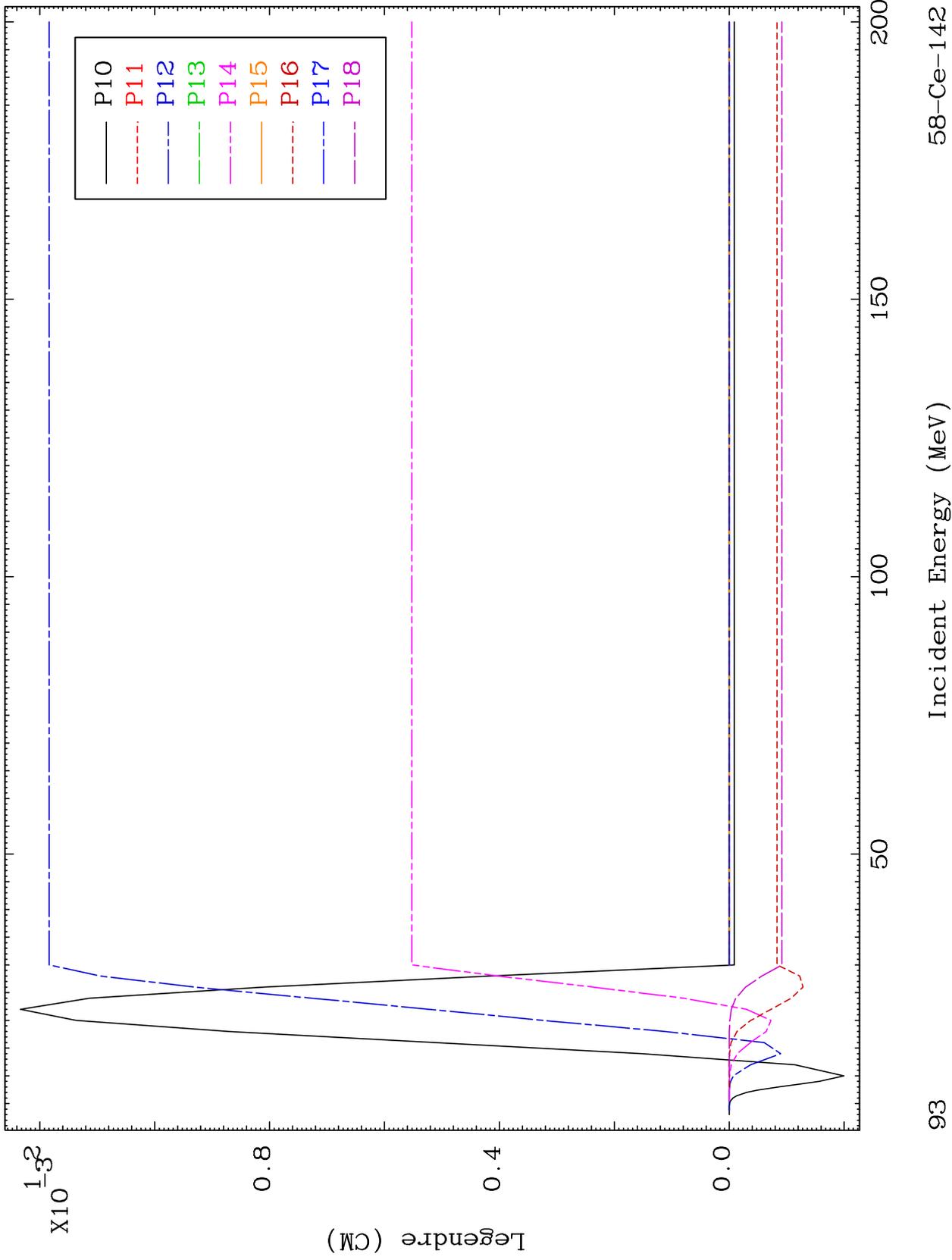
58-Ce-142

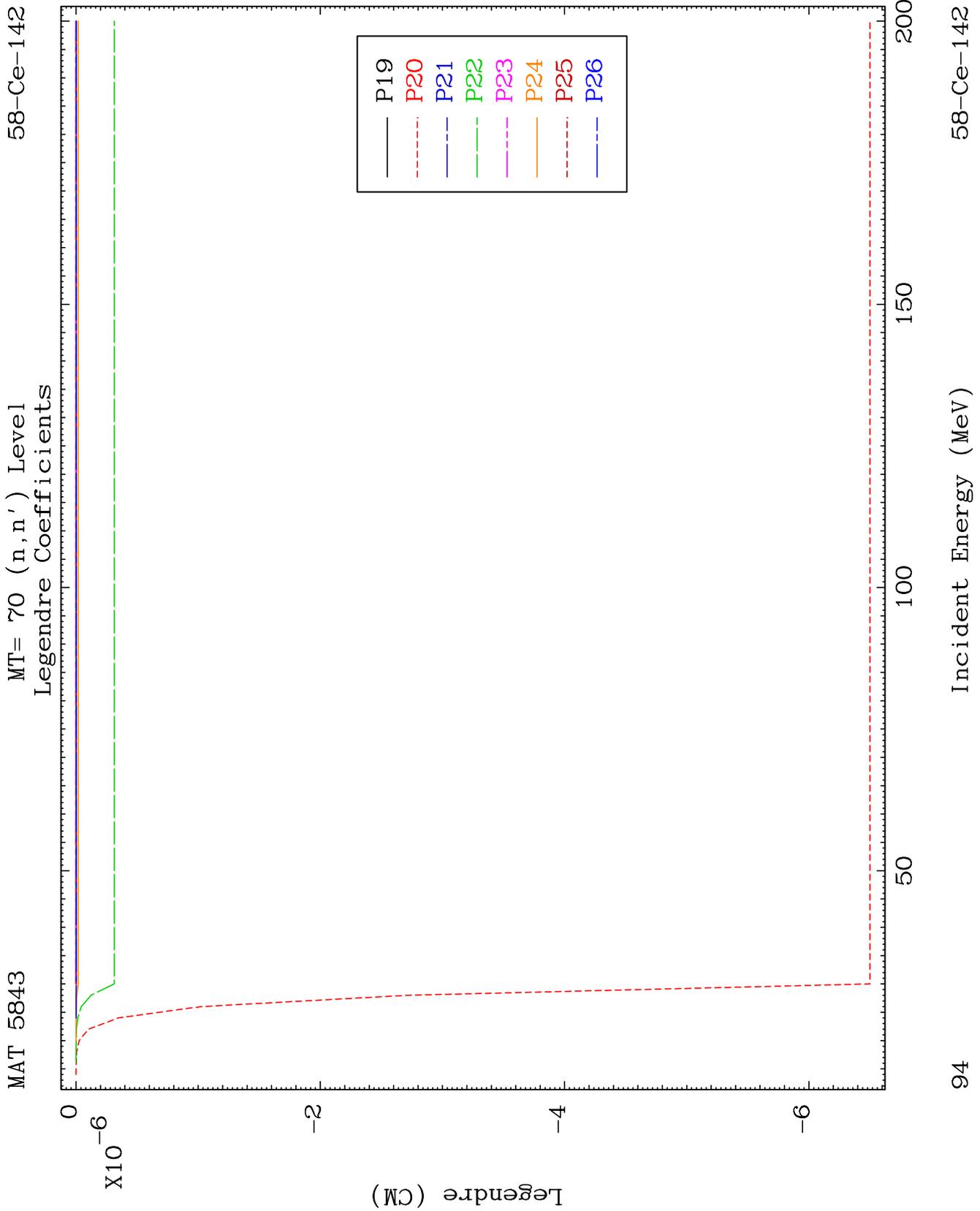


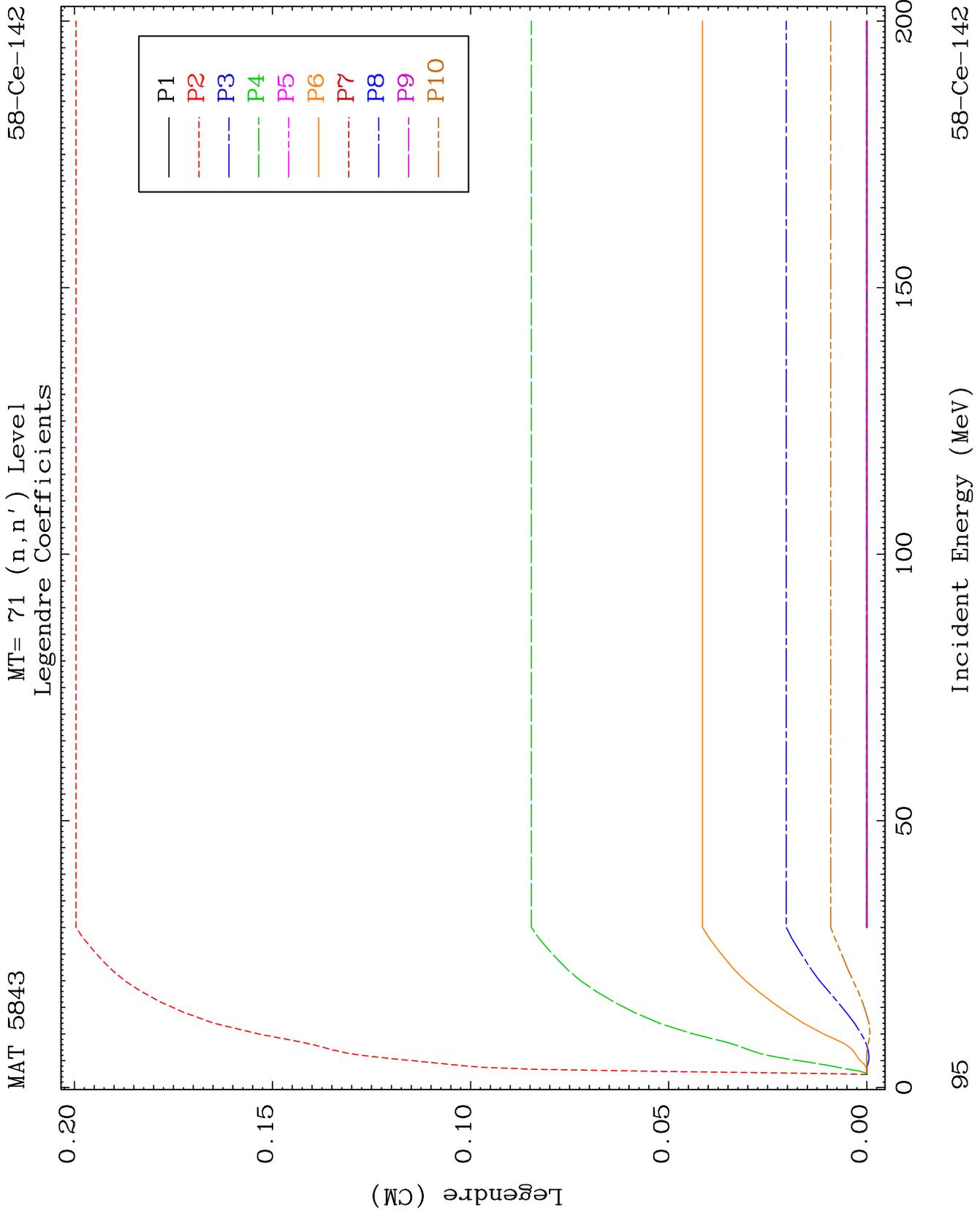
MAT 5843

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

58-Ce-142



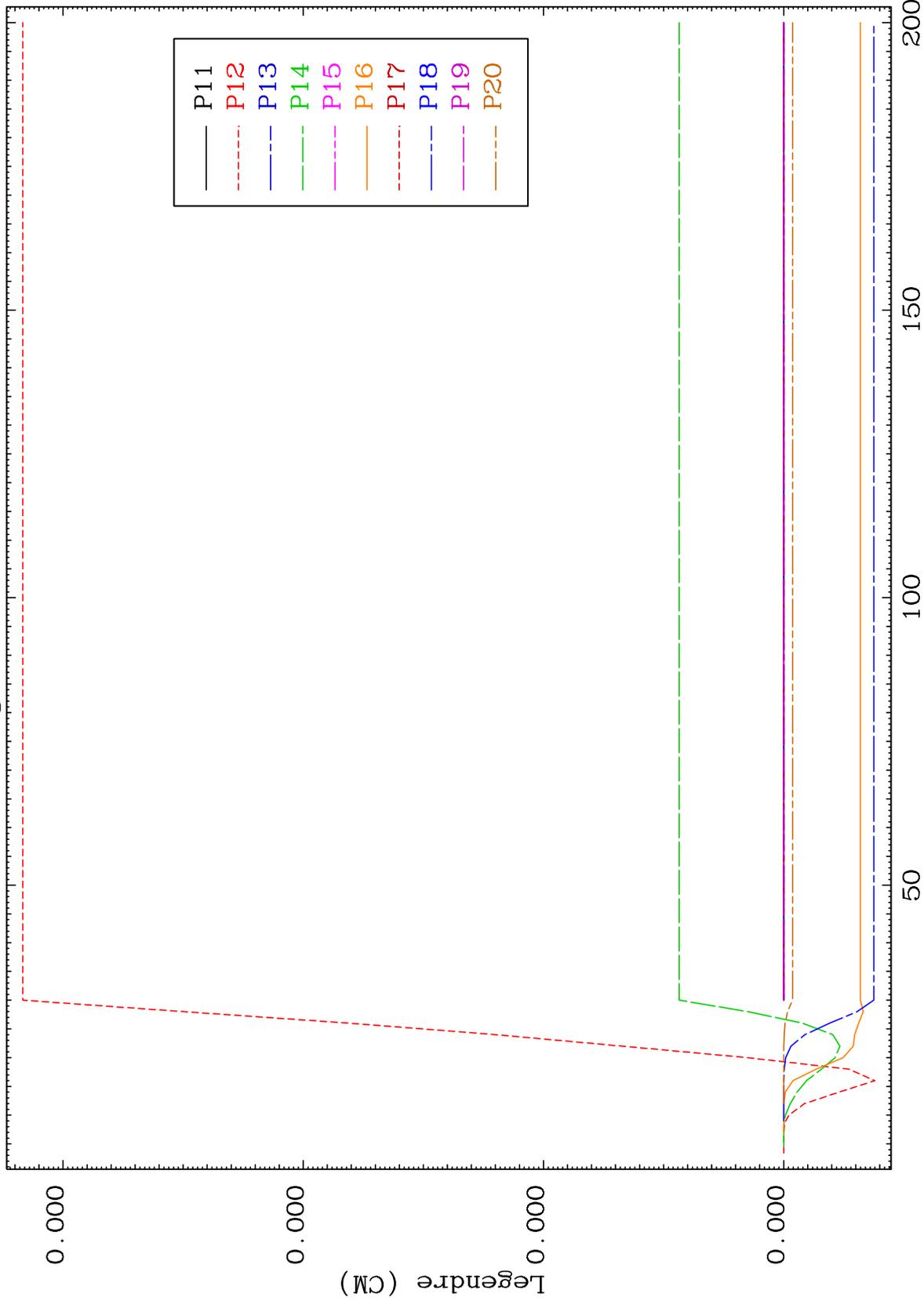




MAT 5843

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

58-Ce-142



96

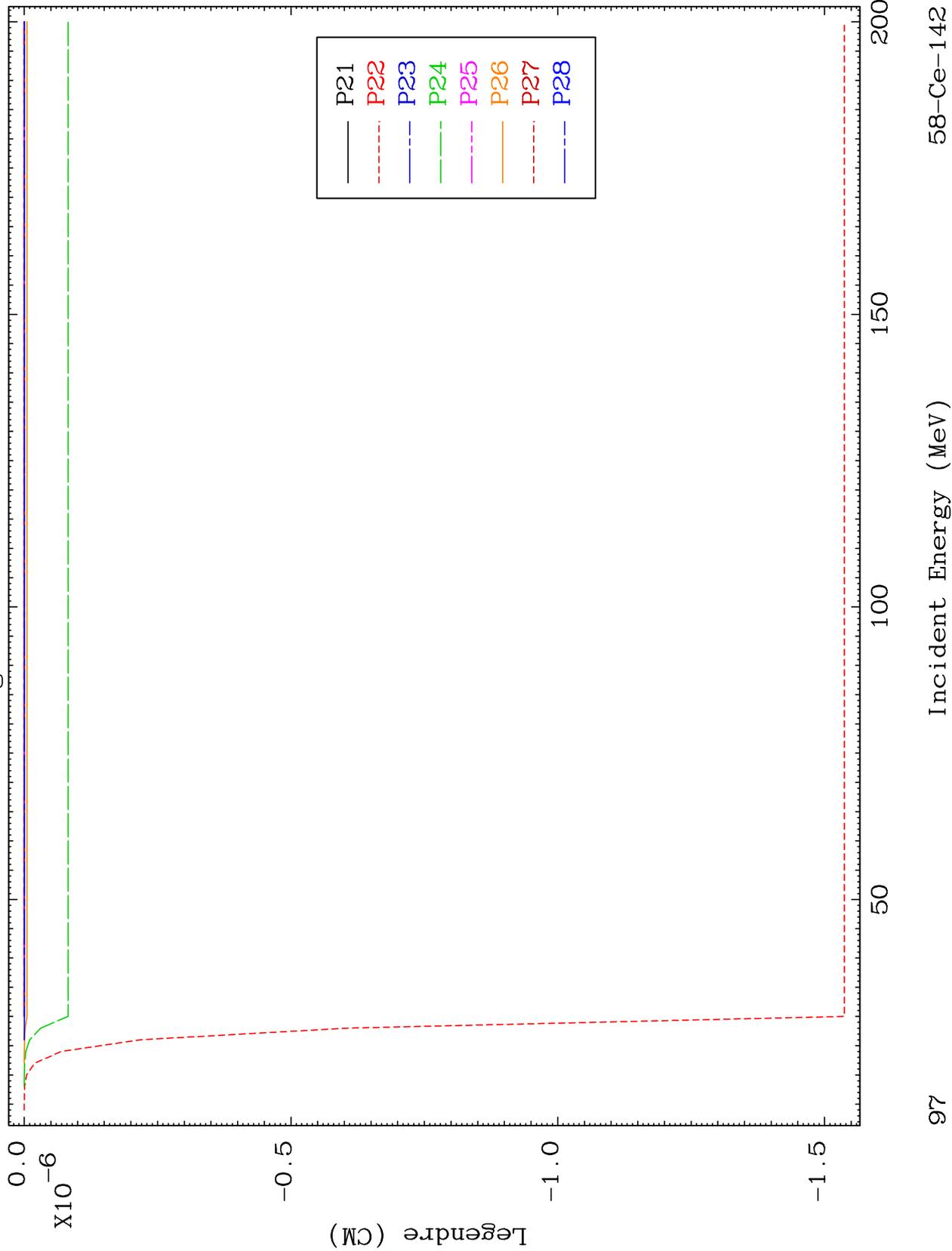
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



97

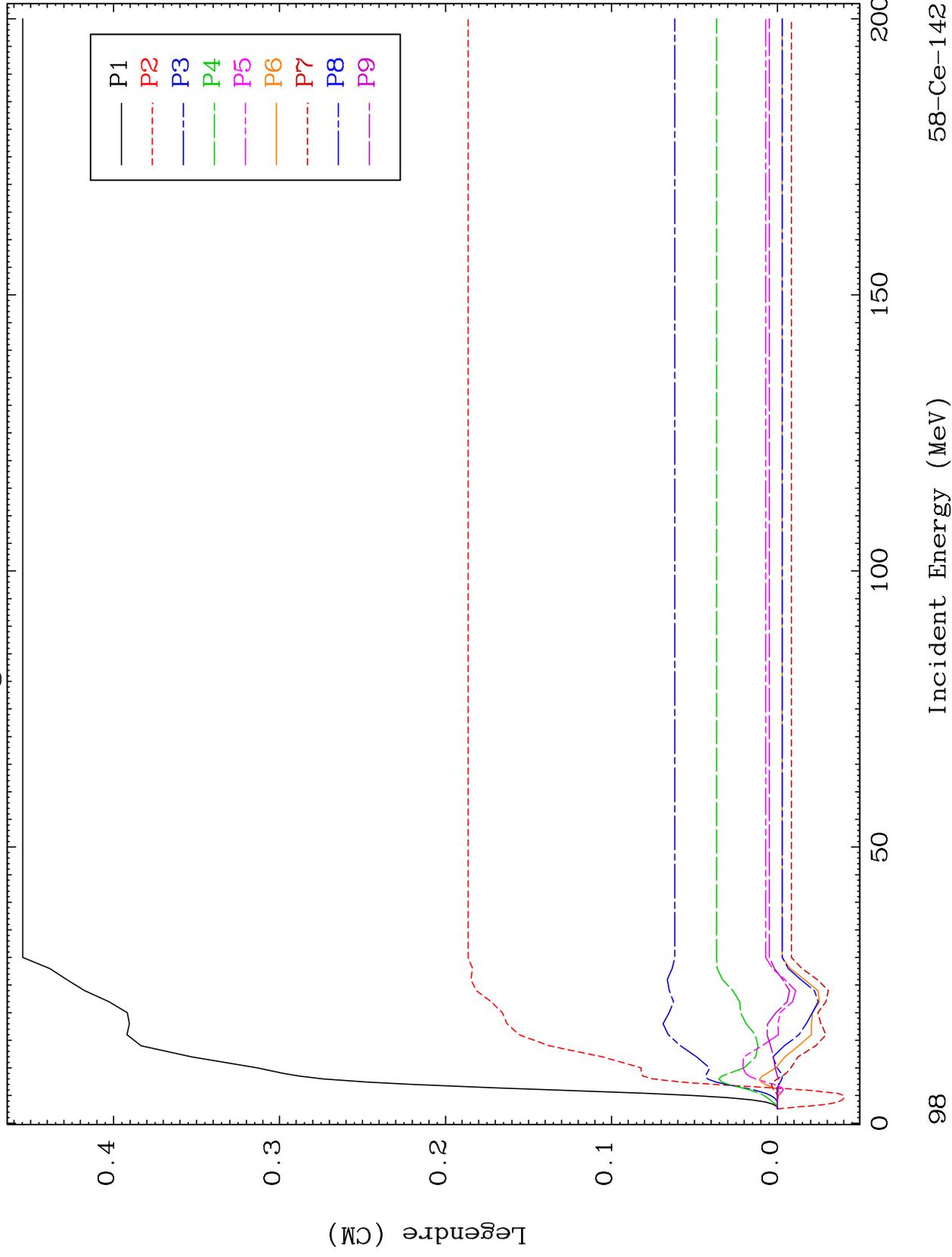
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

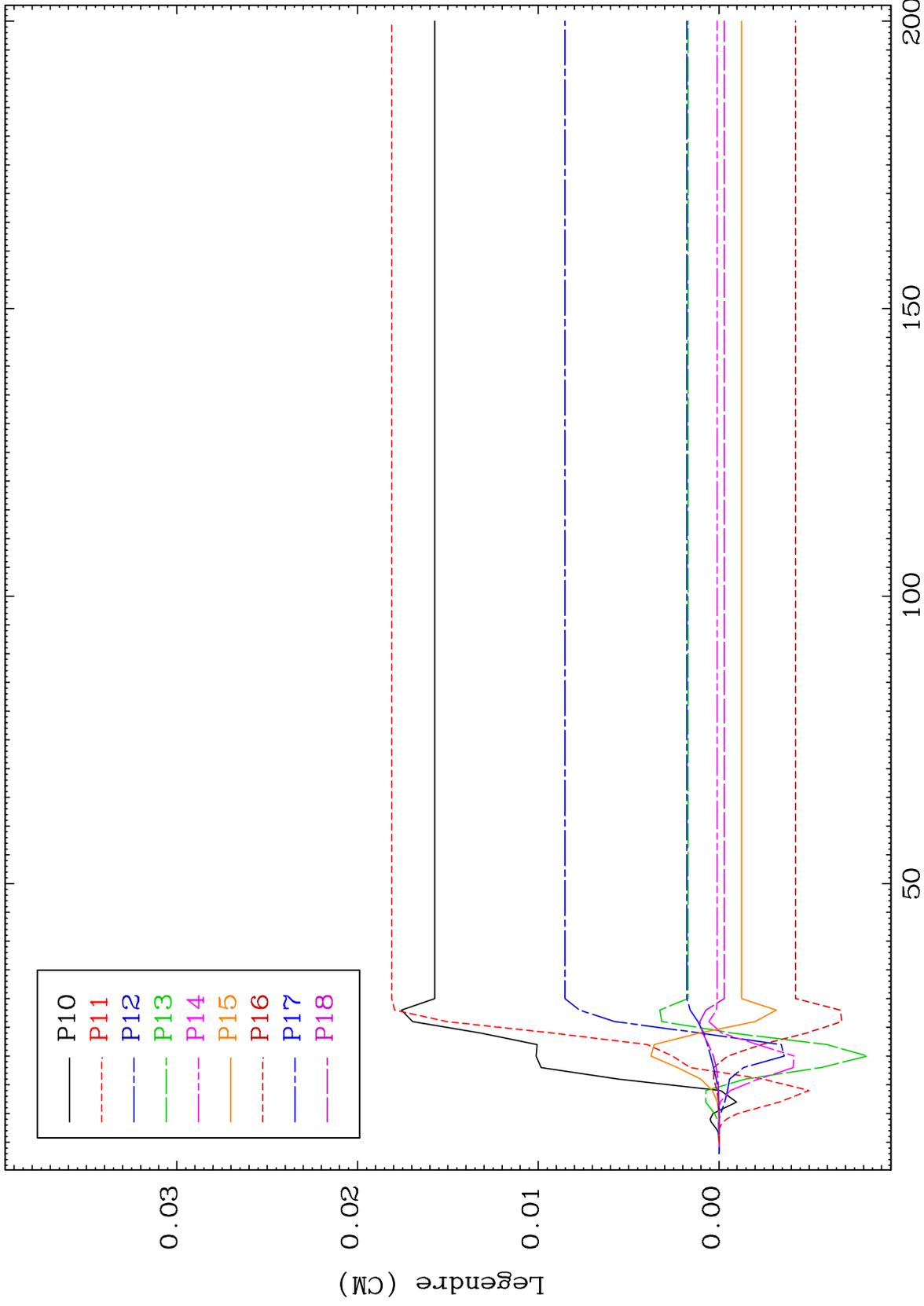
Incident Energy (MeV)

98

MAT 5843

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

58-Ce-142



99

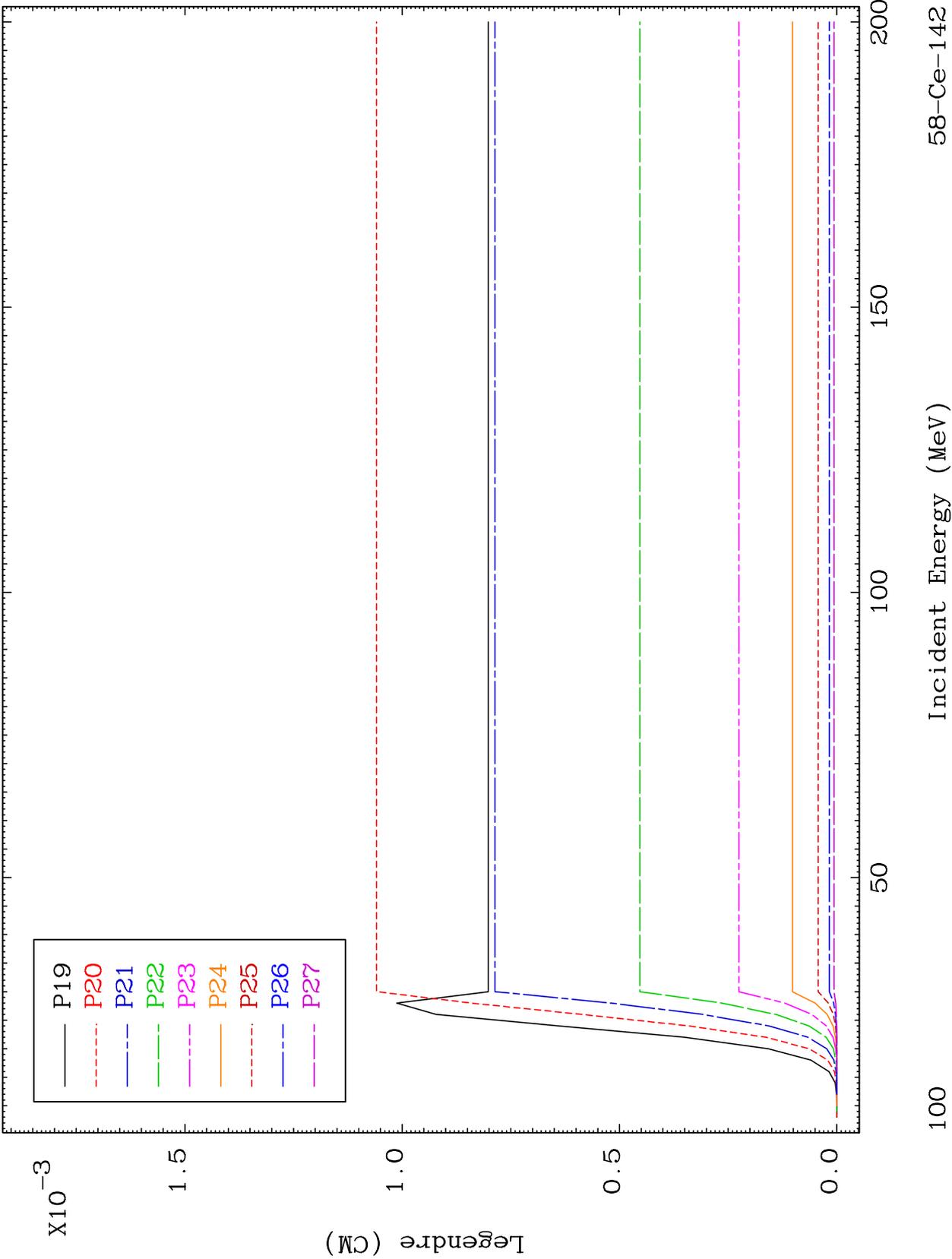
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

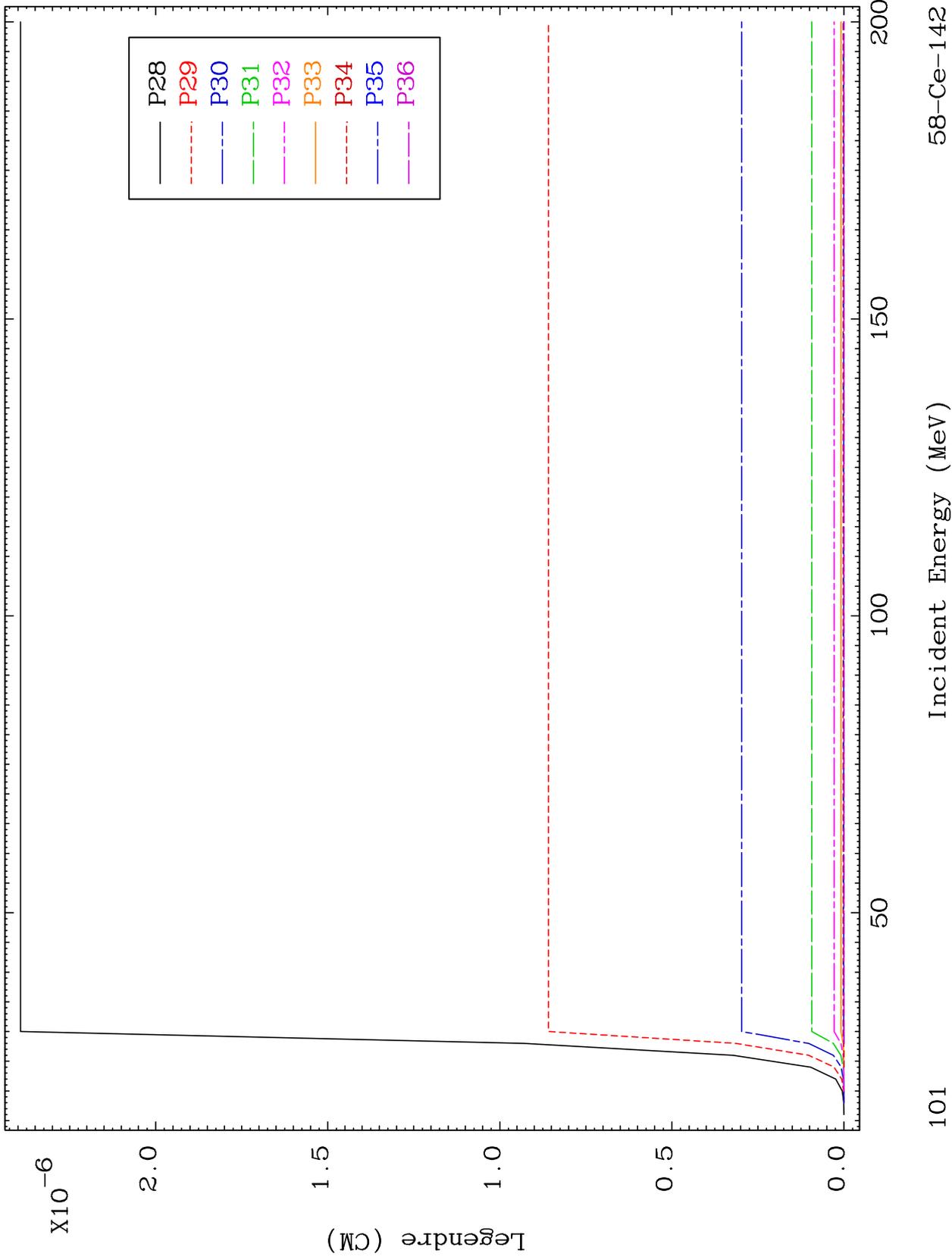
58-Ce-142



MAT 5843

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

58-Ce-142



101

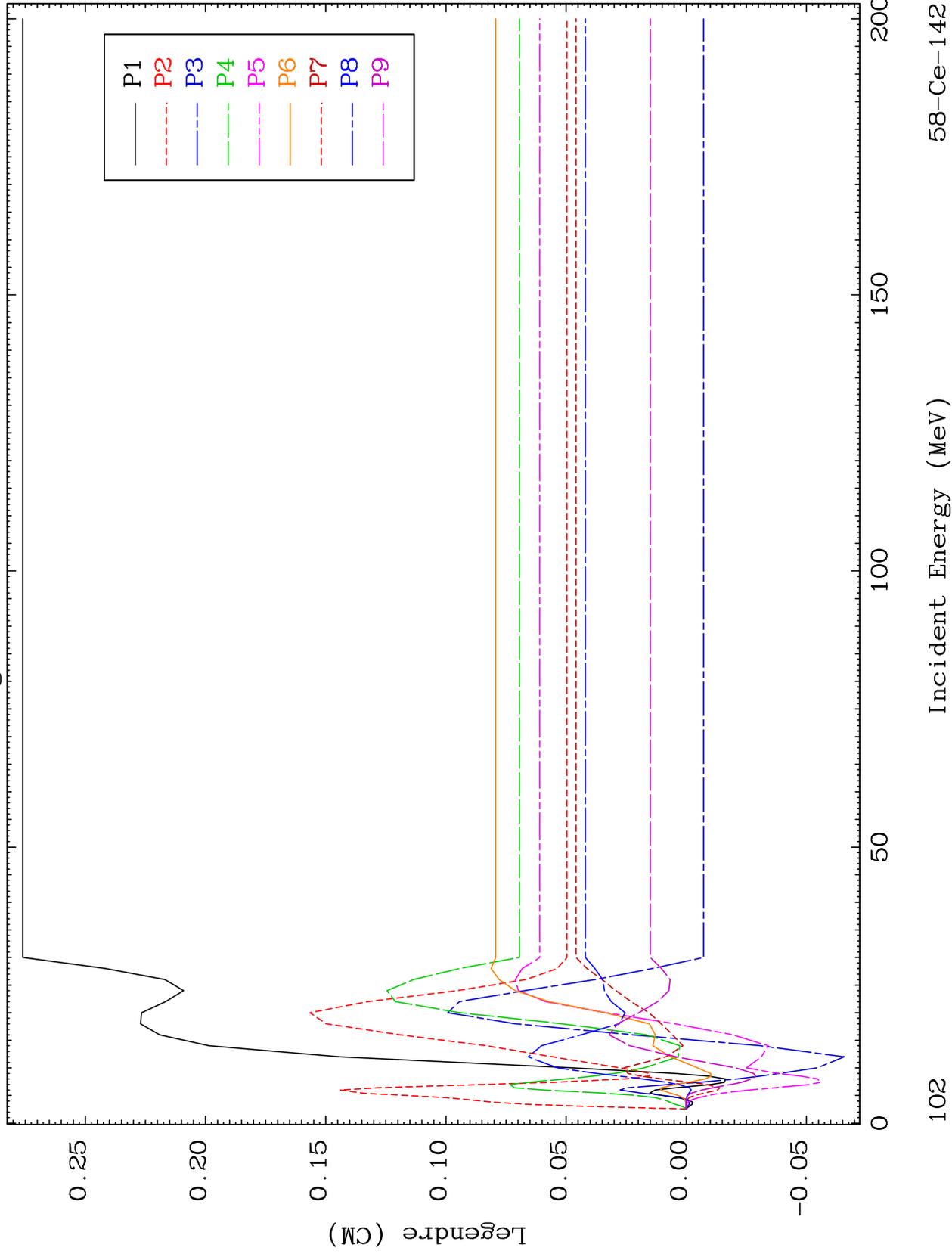
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

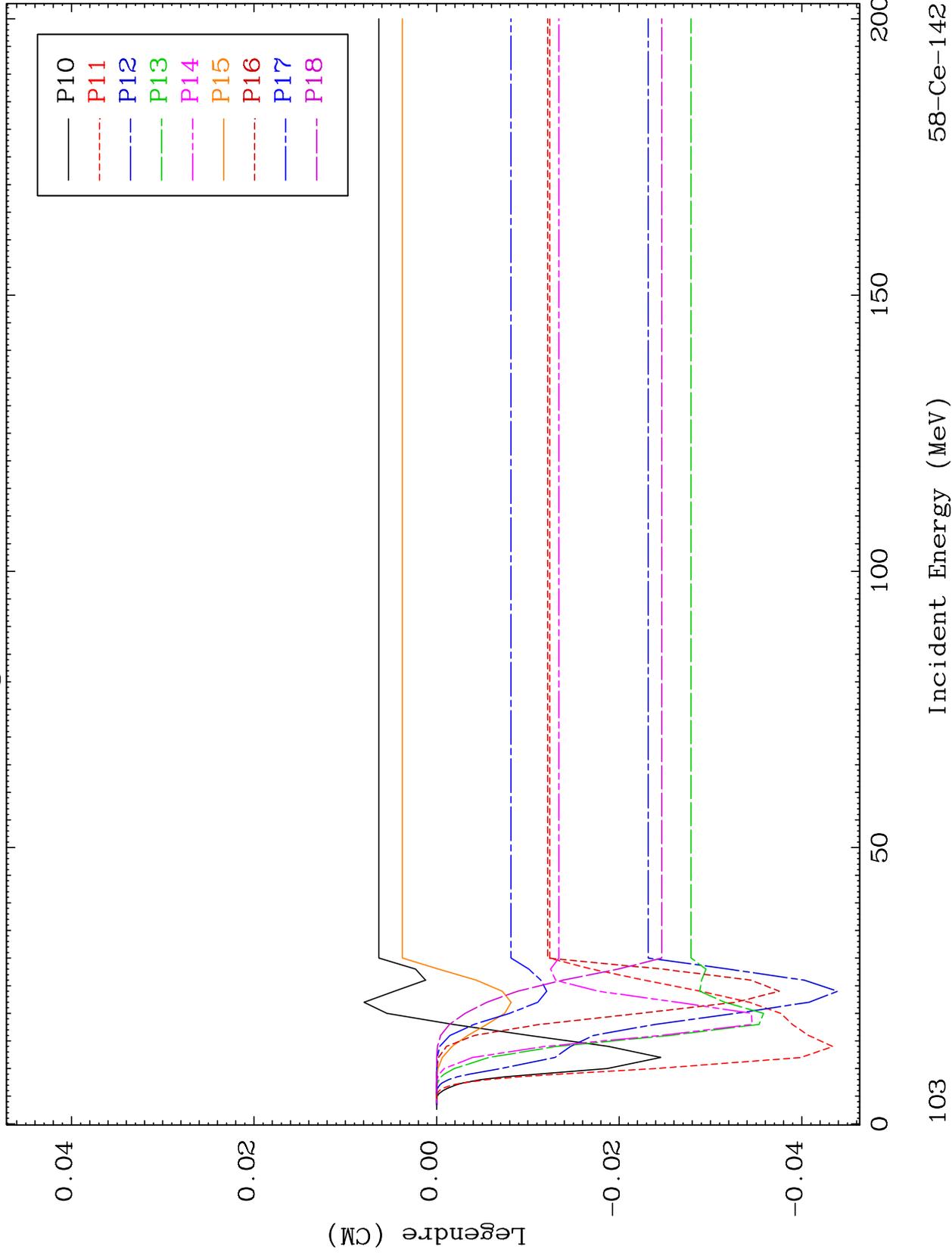
Incident Energy (MeV)

102

MAT 5843

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

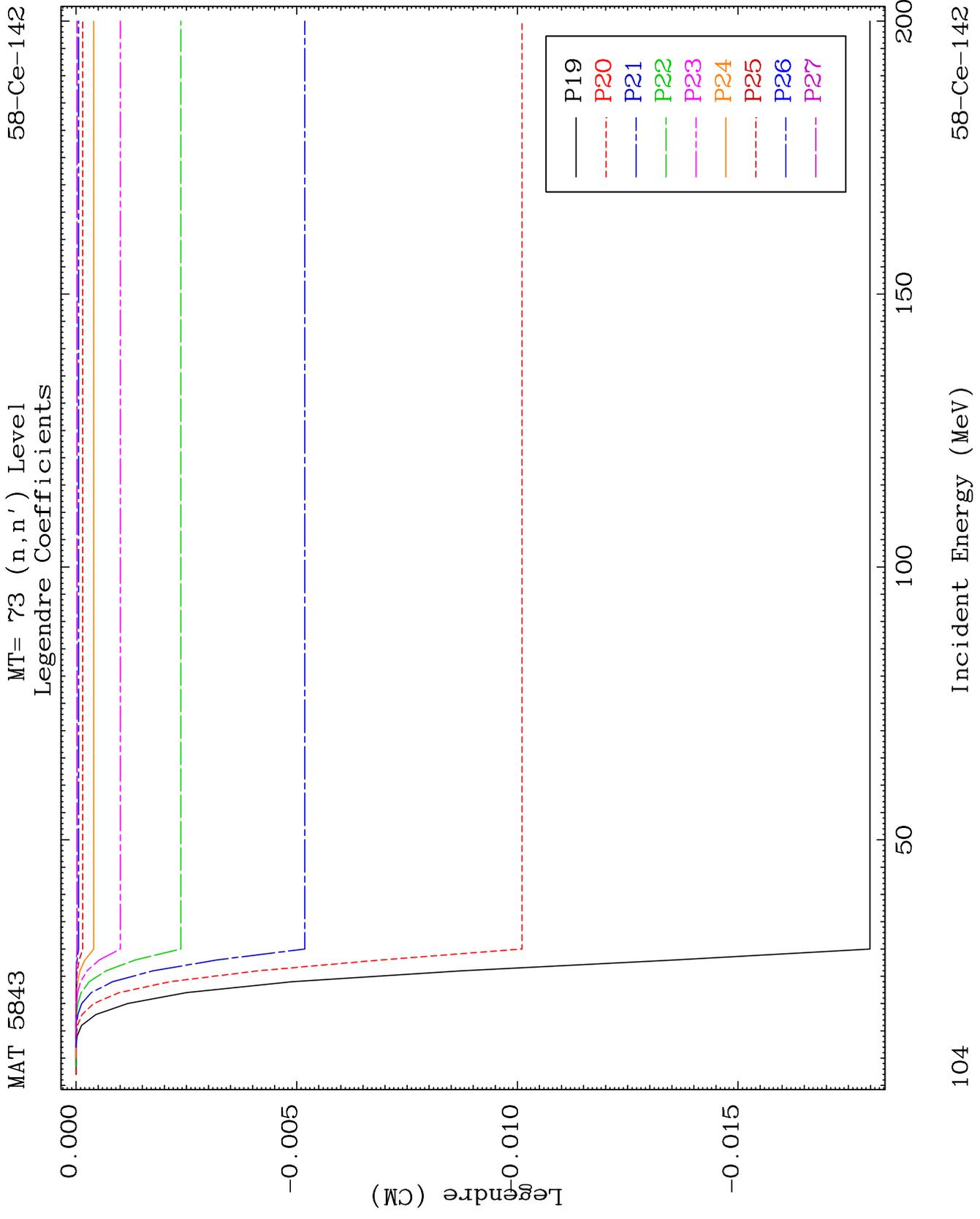
58-Ce-142

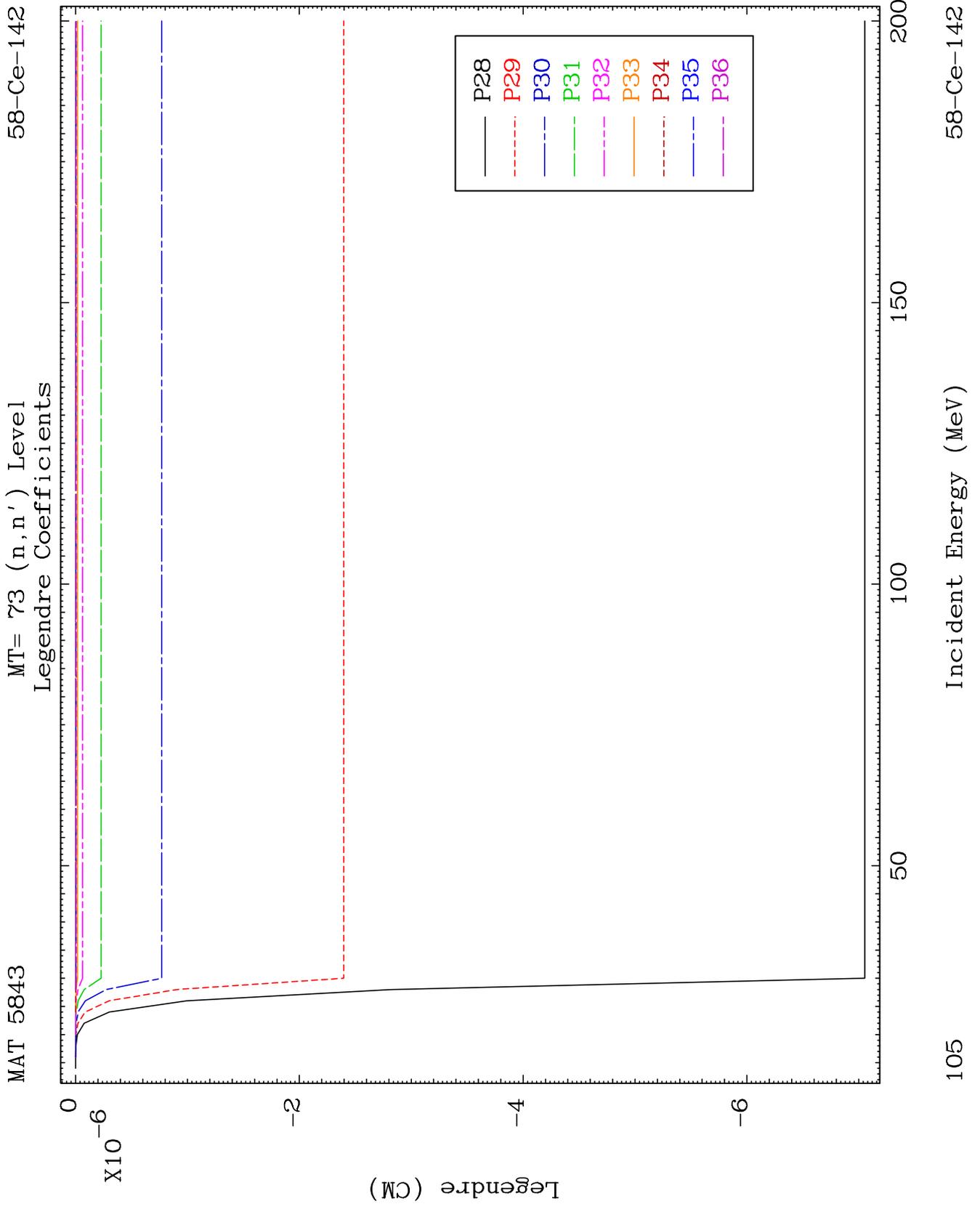


58-Ce-142

Incident Energy (MeV)

103

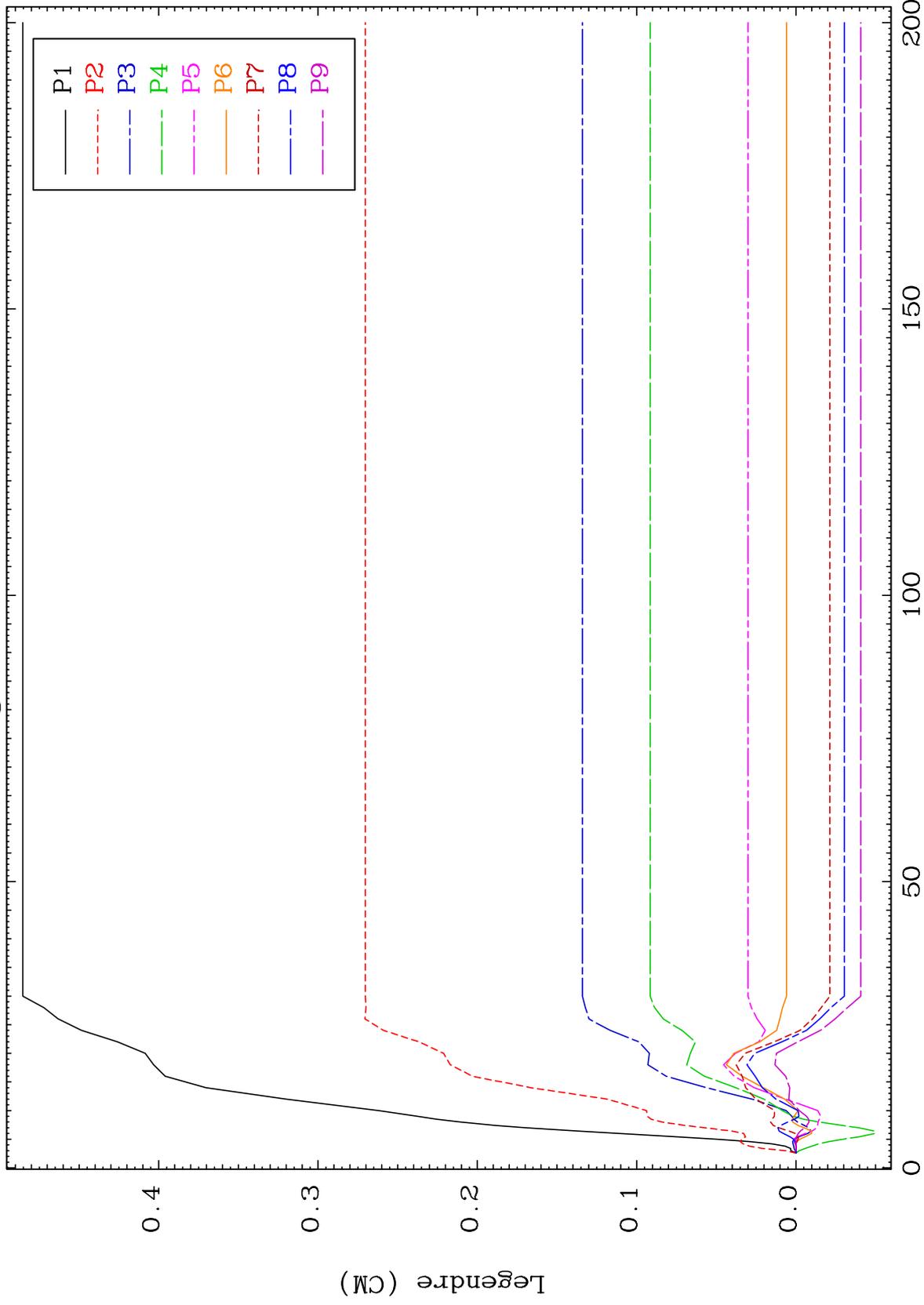




MAT 5843

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

58-Ce-142



58-Ce-142

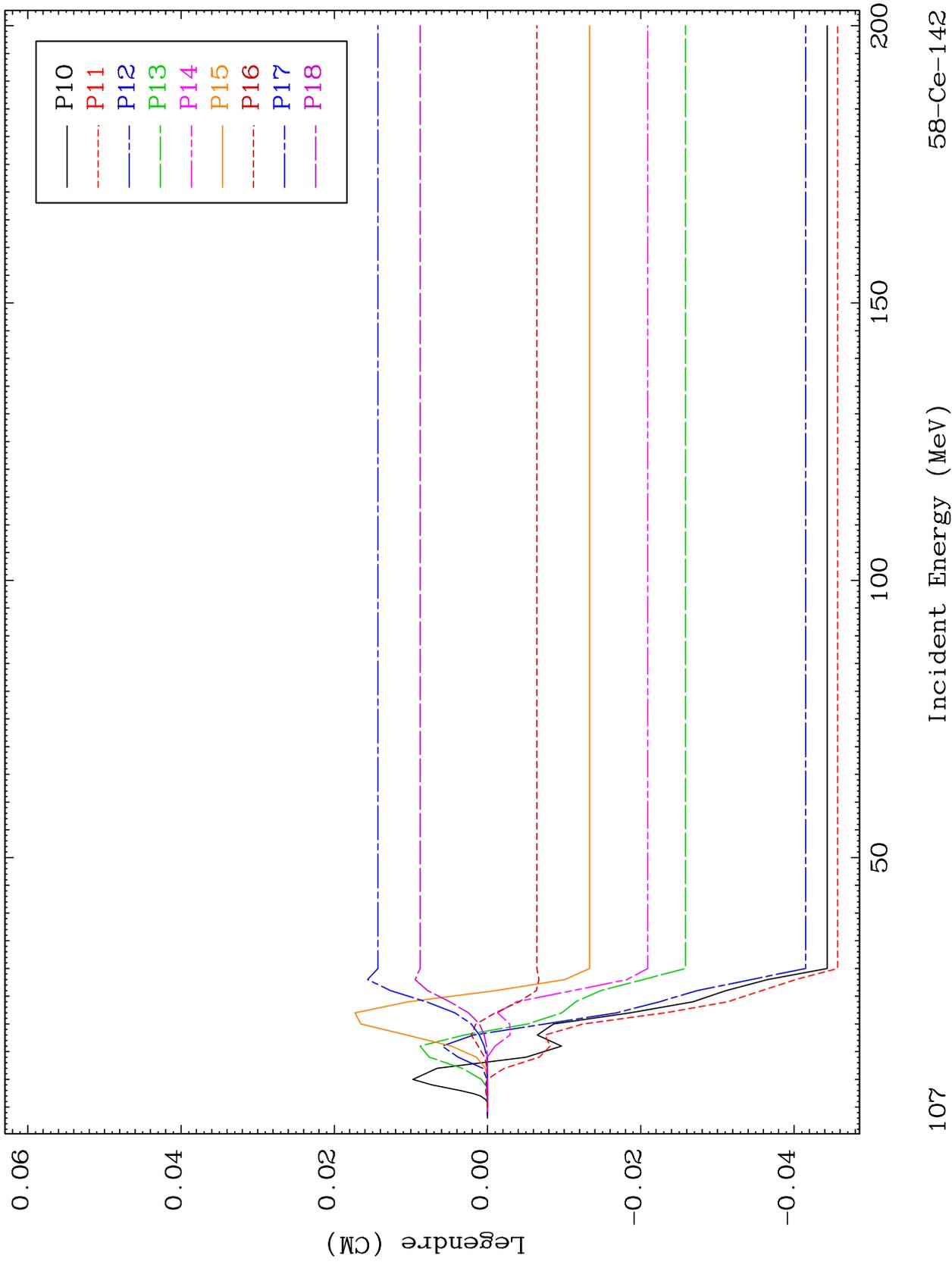
Incident Energy (MeV)

106

MAT 5843

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

58-Ce-142

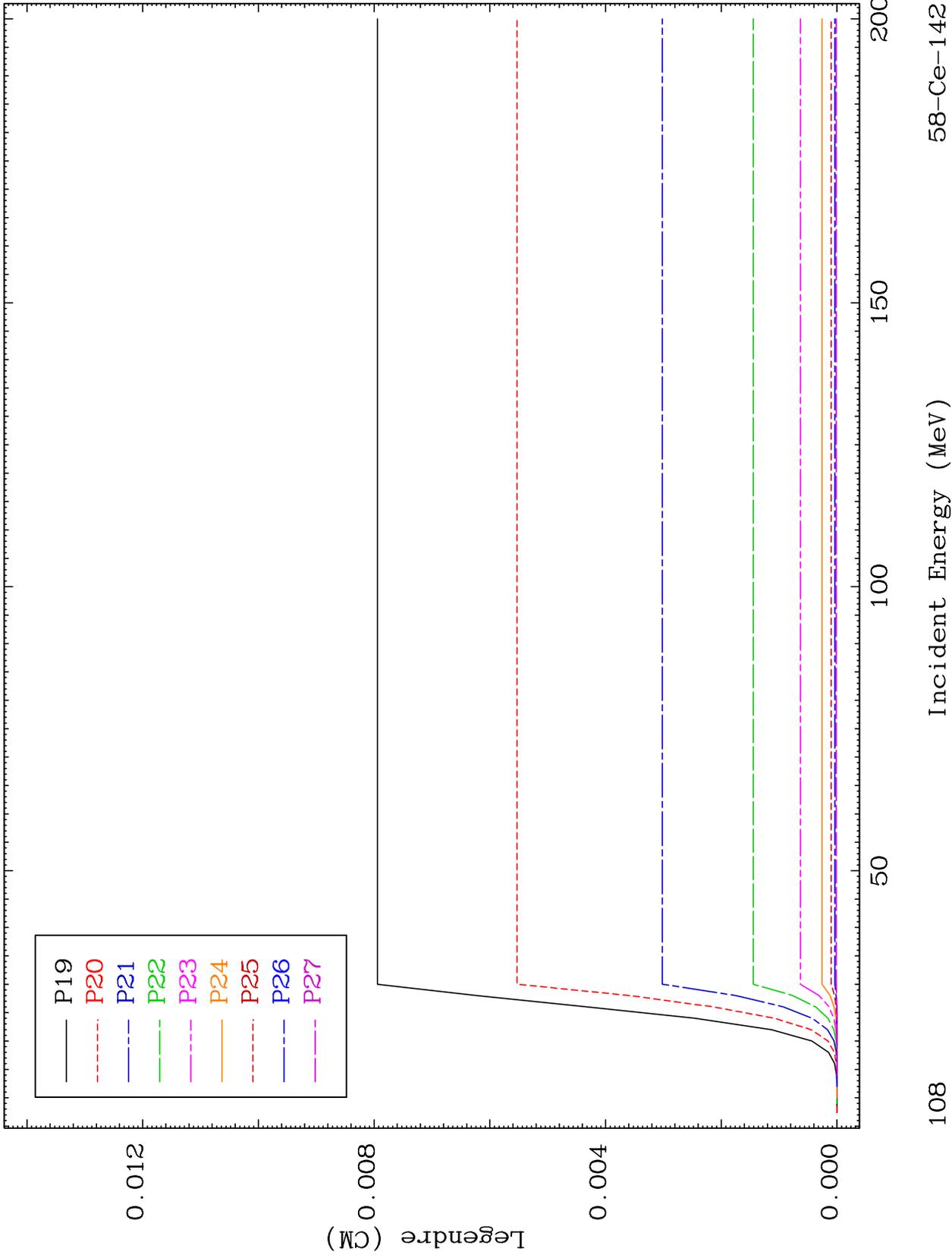


107

MAT 5843

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

58-Ce-142



108

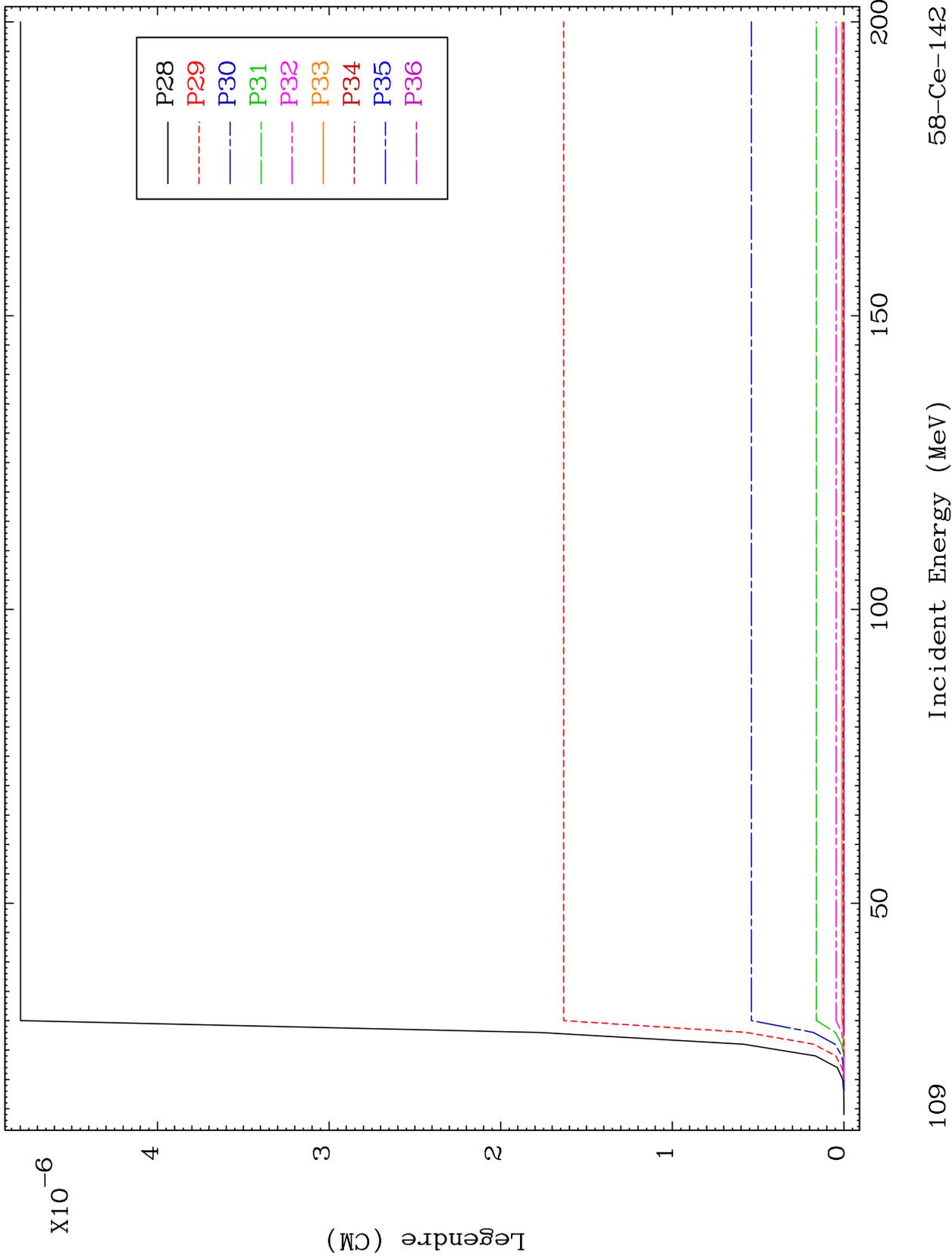
Incident Energy (MeV)

58-Ce-142

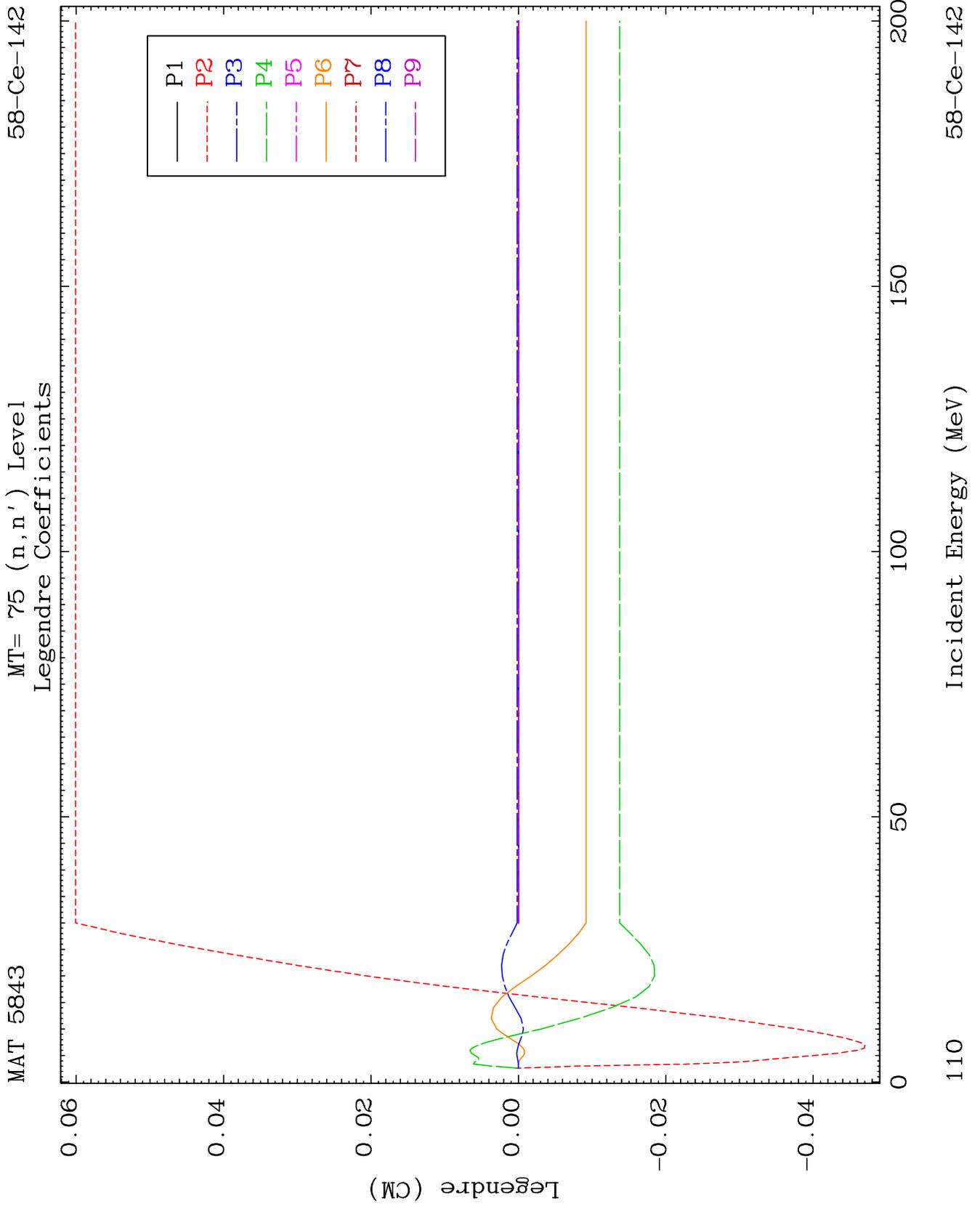
MAT 5843

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

58-Ce-142



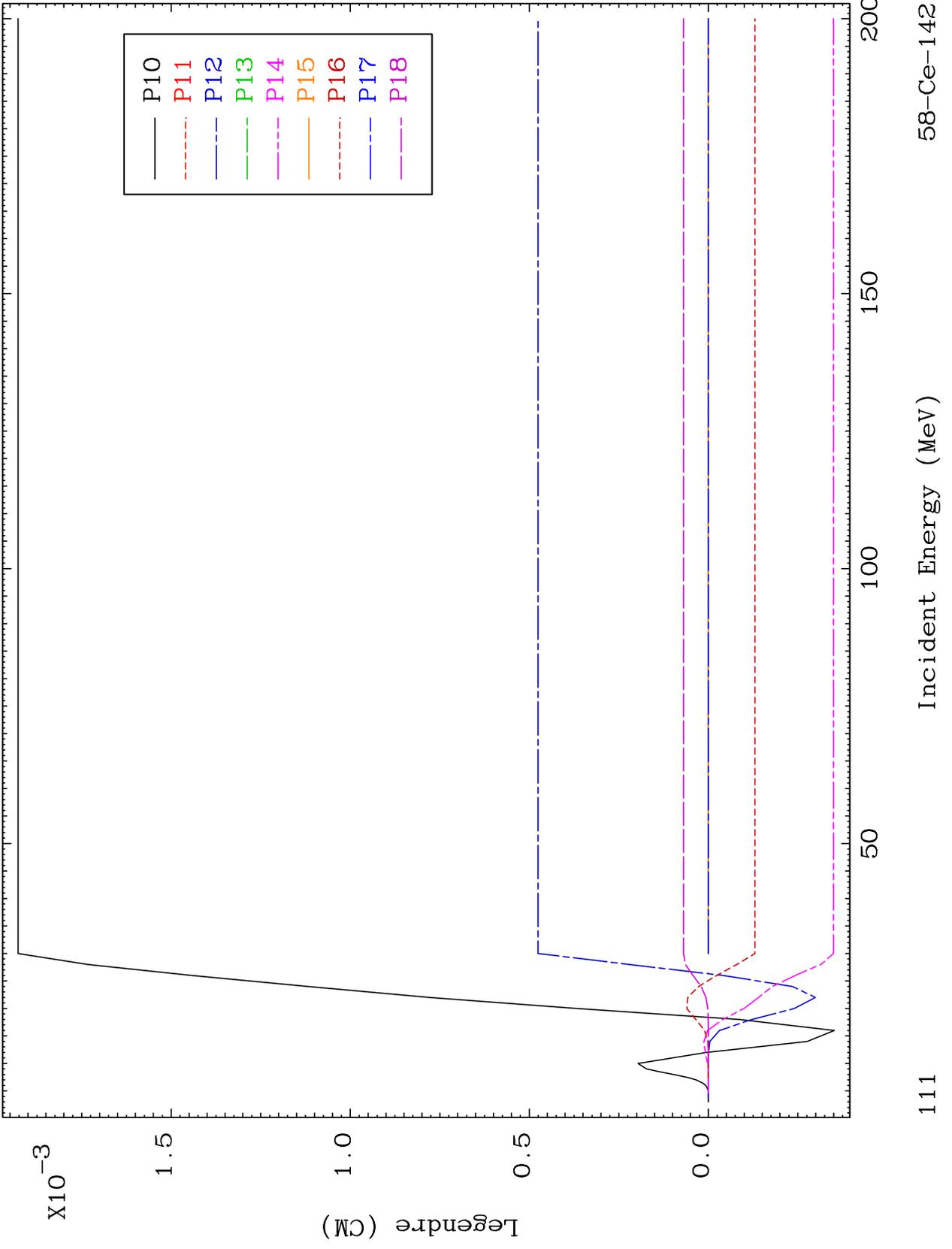
109



MAT 5843

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

58-Ce-142



111

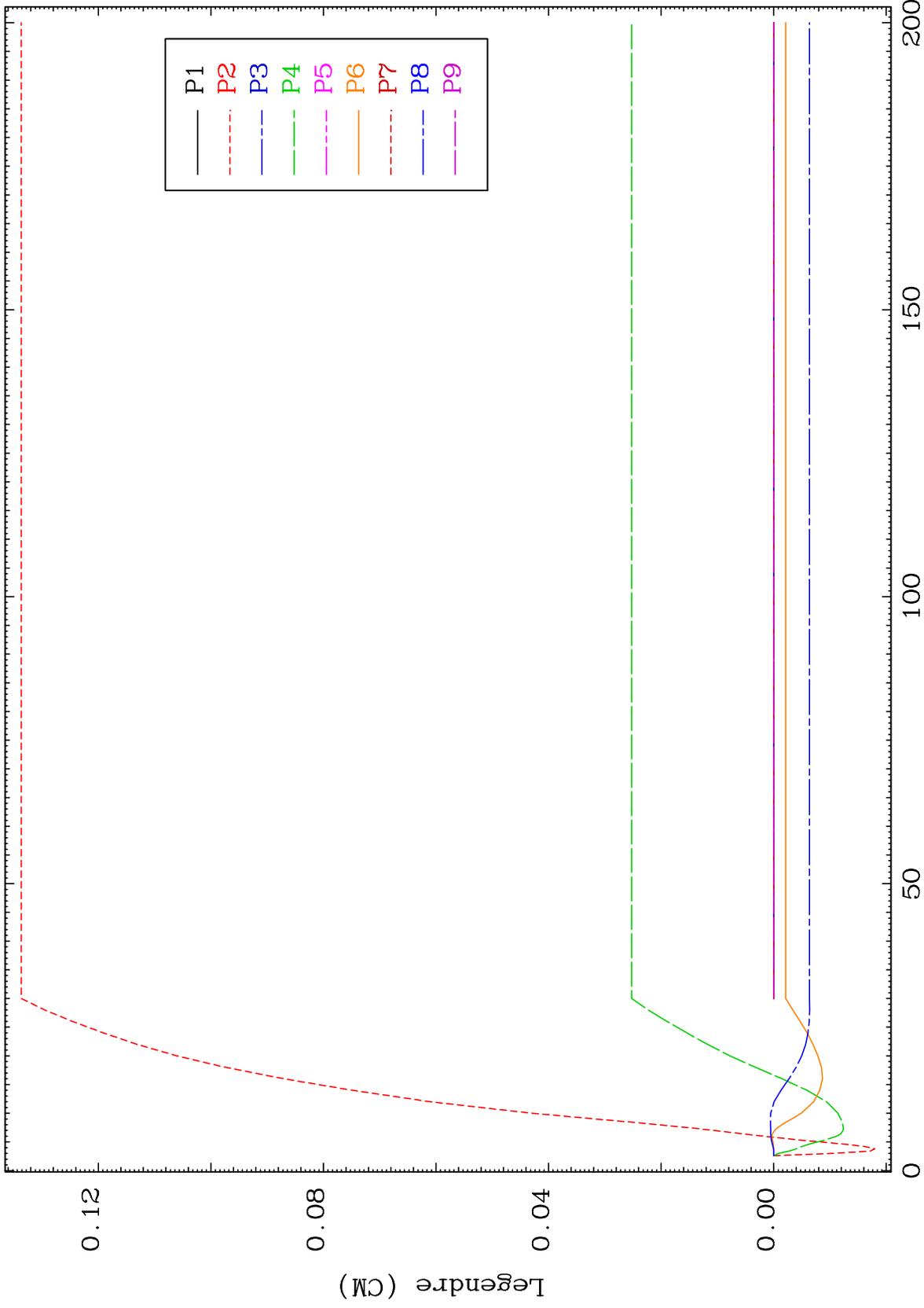
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

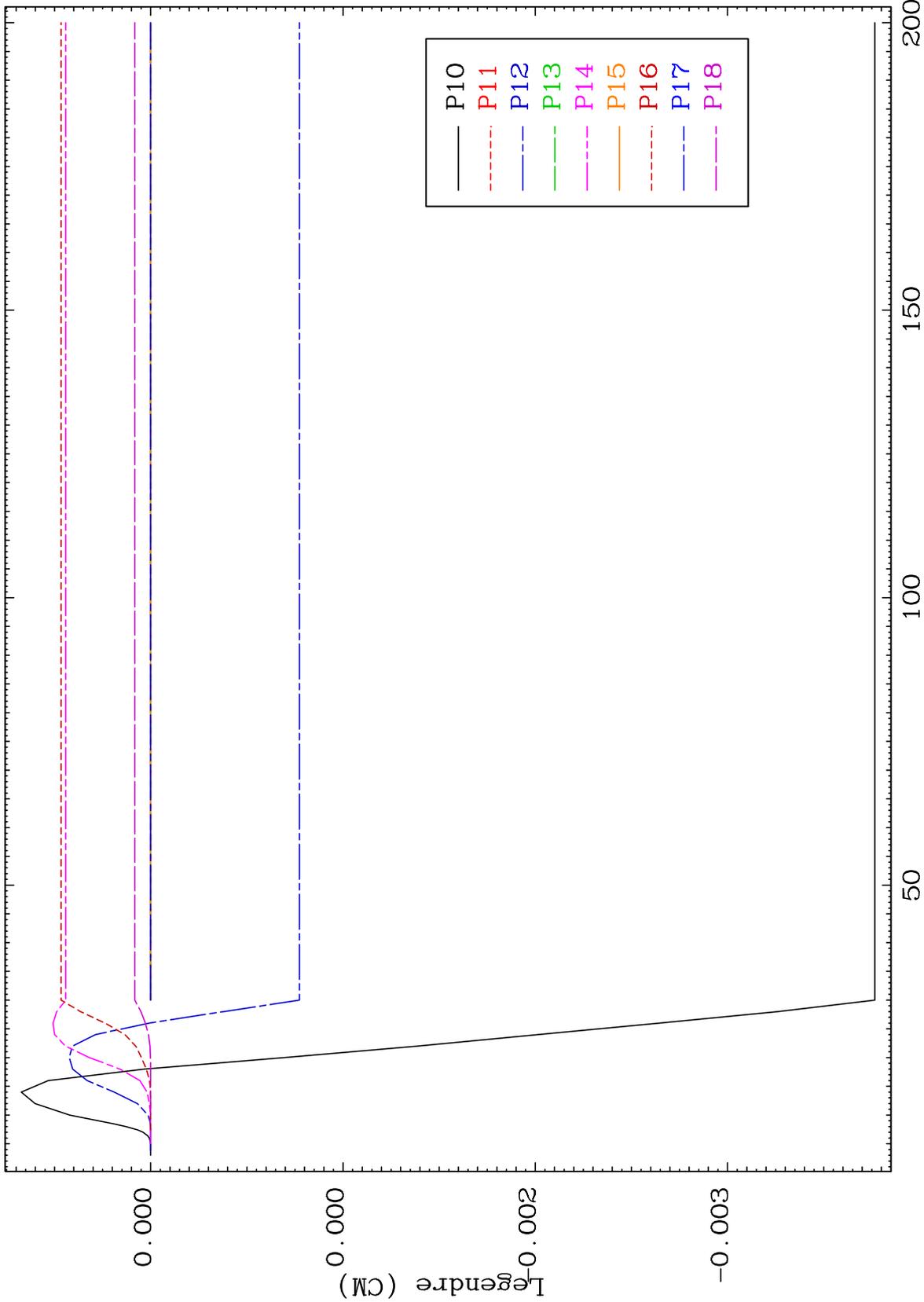
Incident Energy (MeV)

113

MAT 5843

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

58-Ce-142



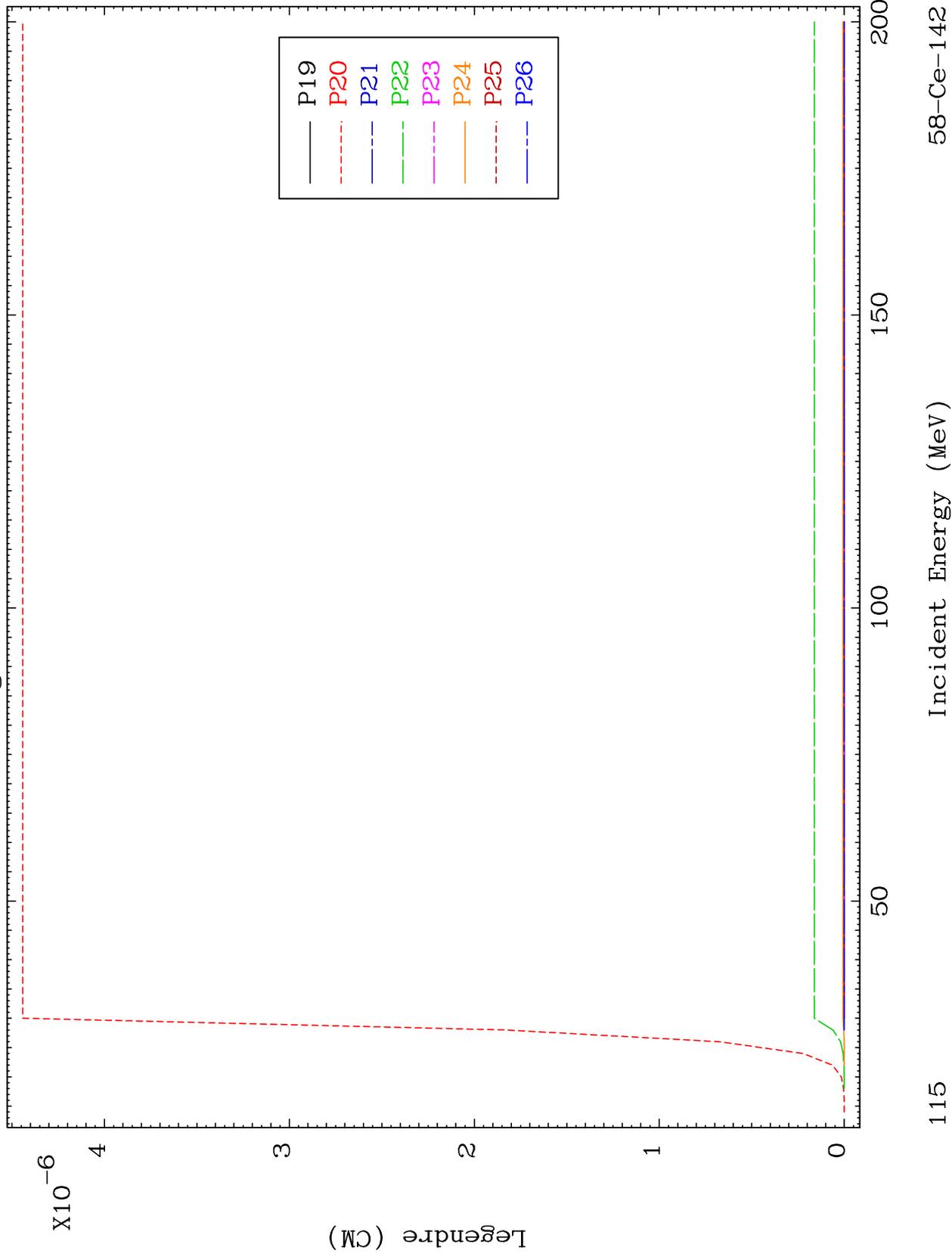
114

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

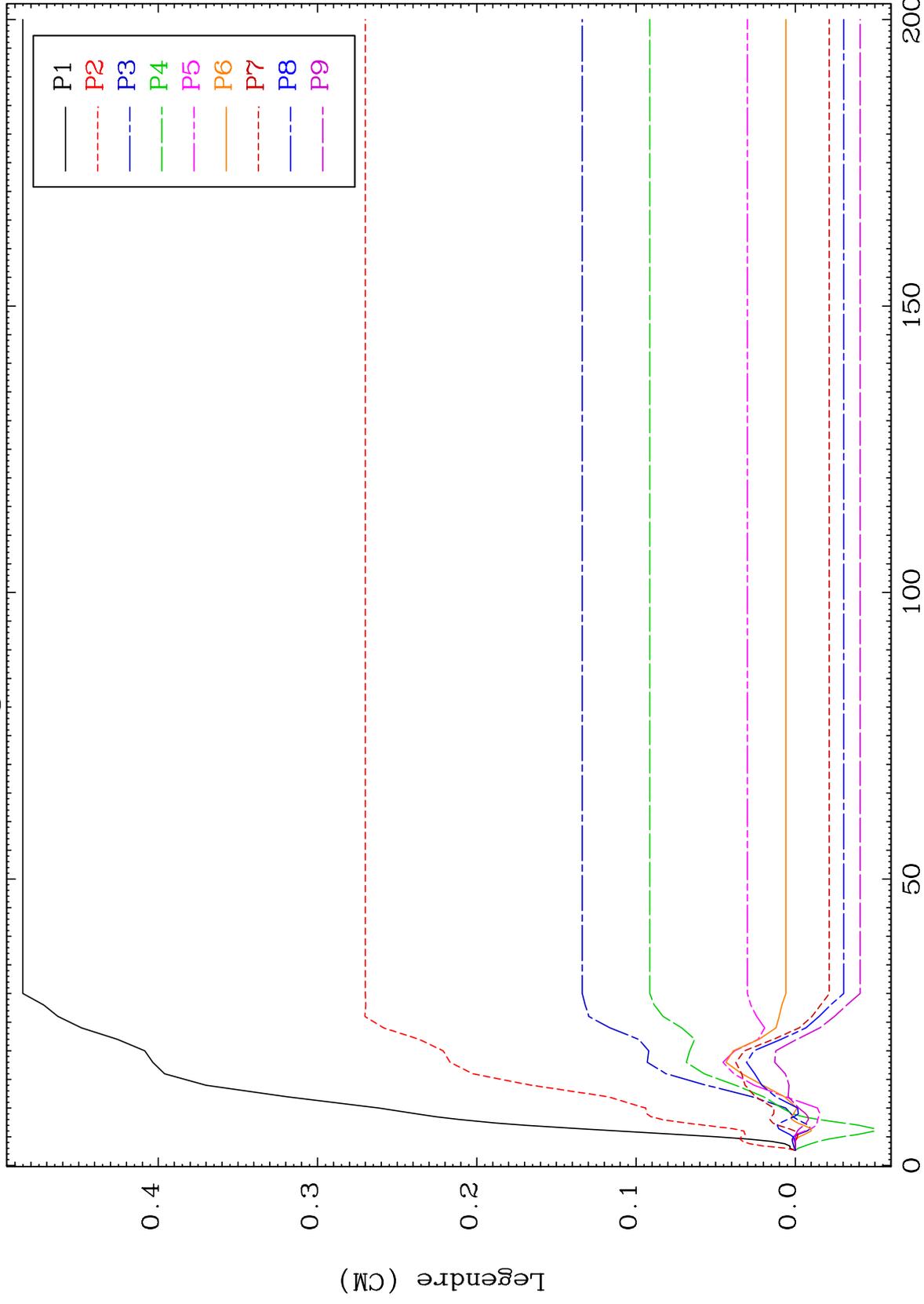
Incident Energy (MeV)

115

MAT 5843

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

58-Ce-142



116

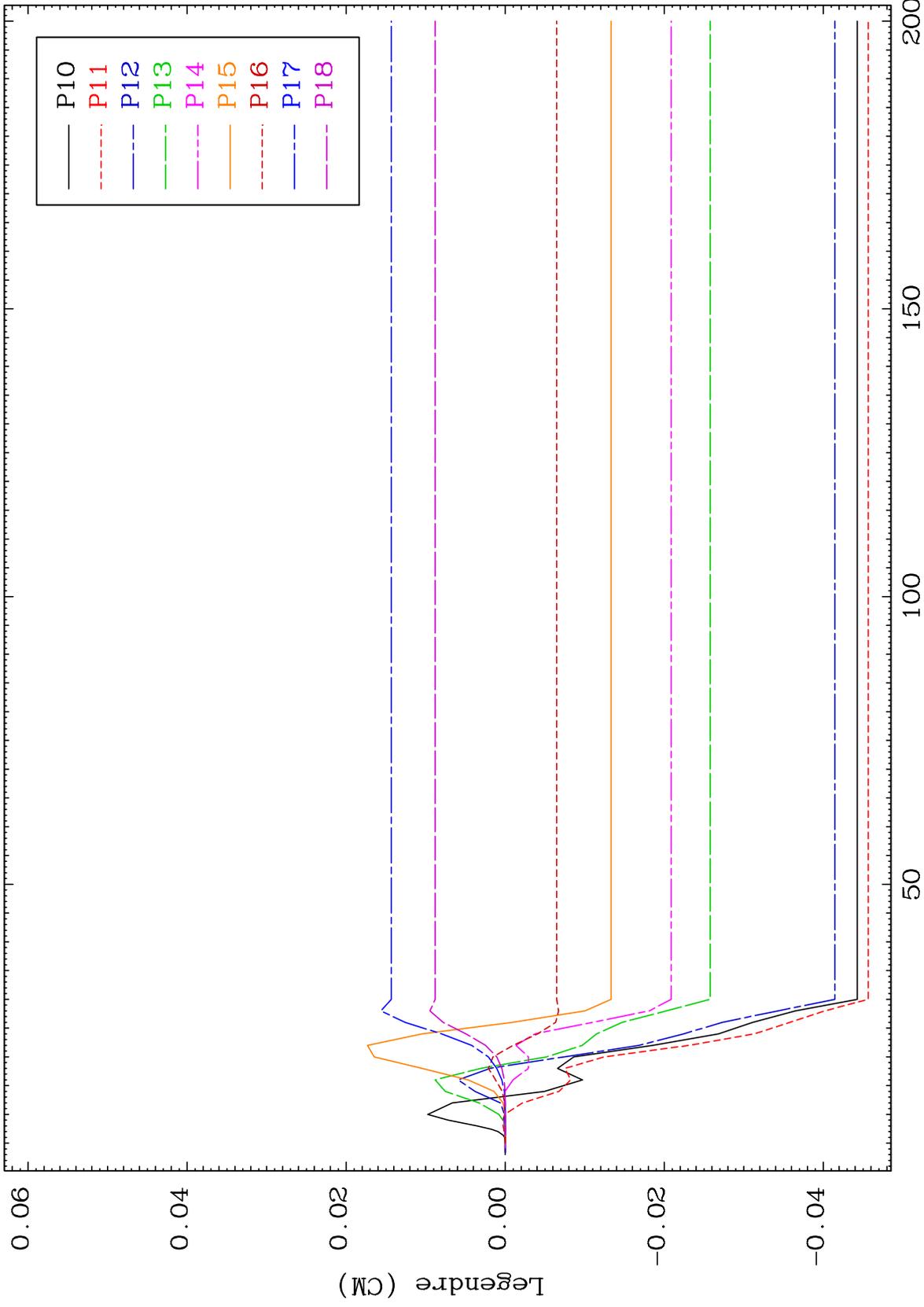
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



117

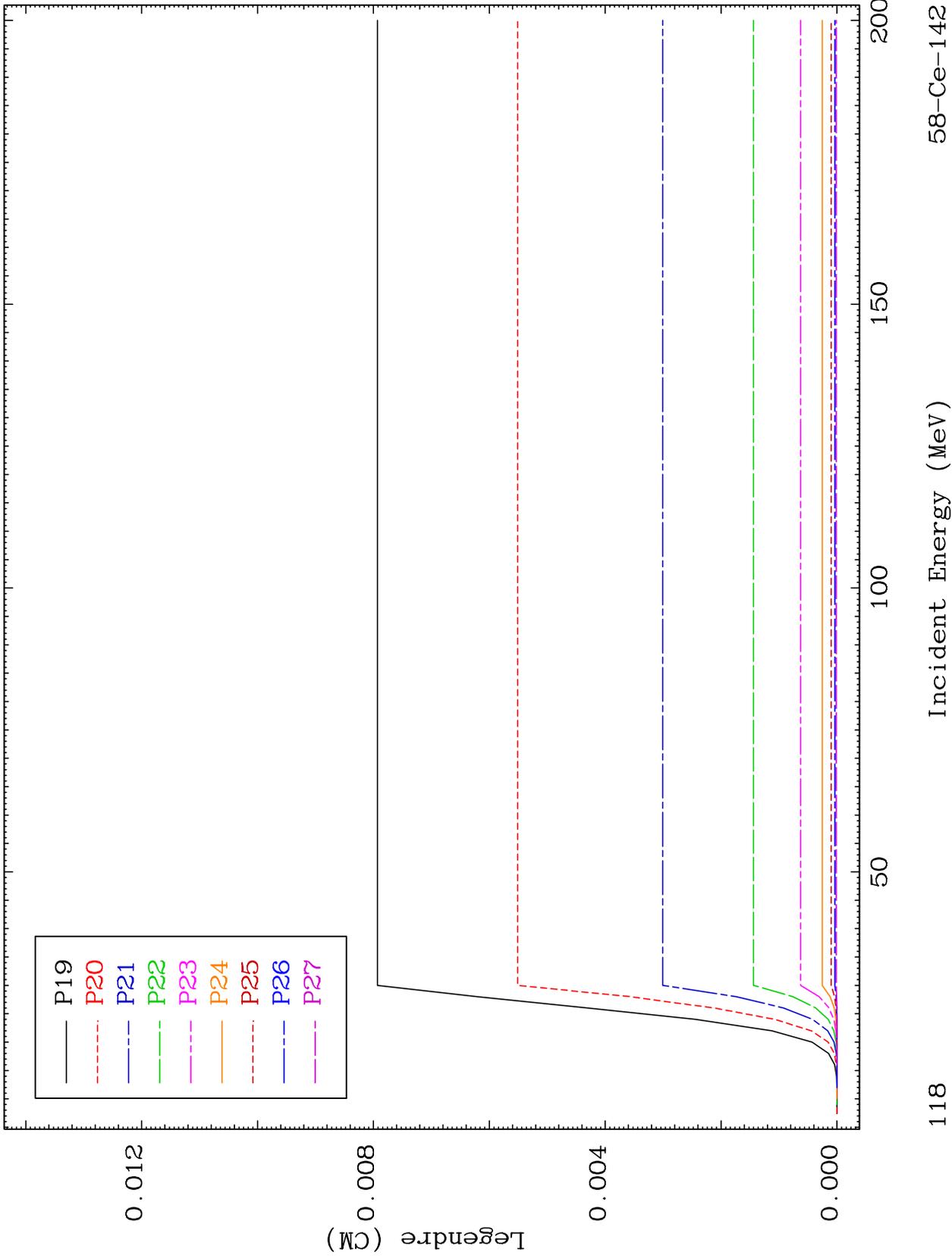
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



118

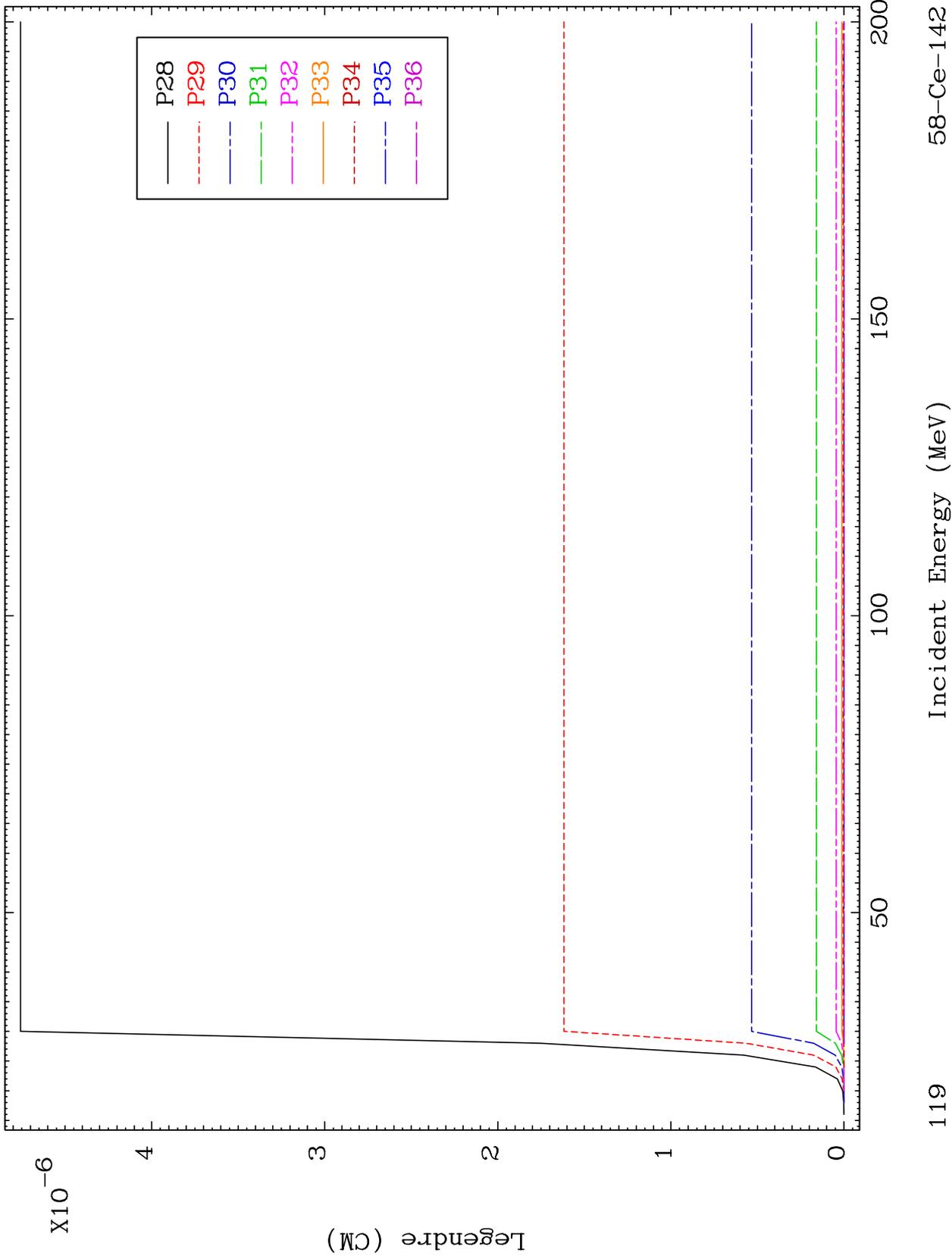
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



119

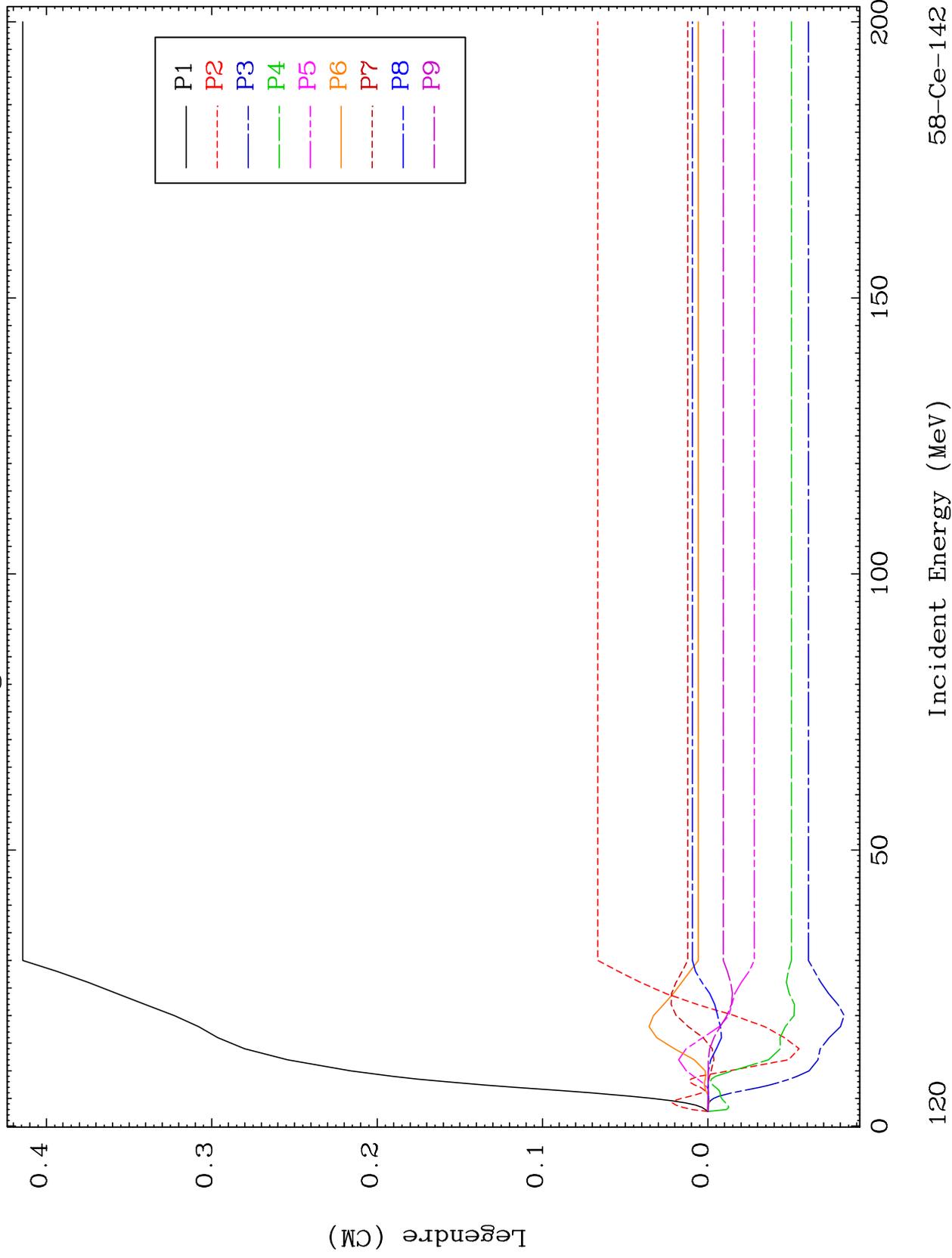
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

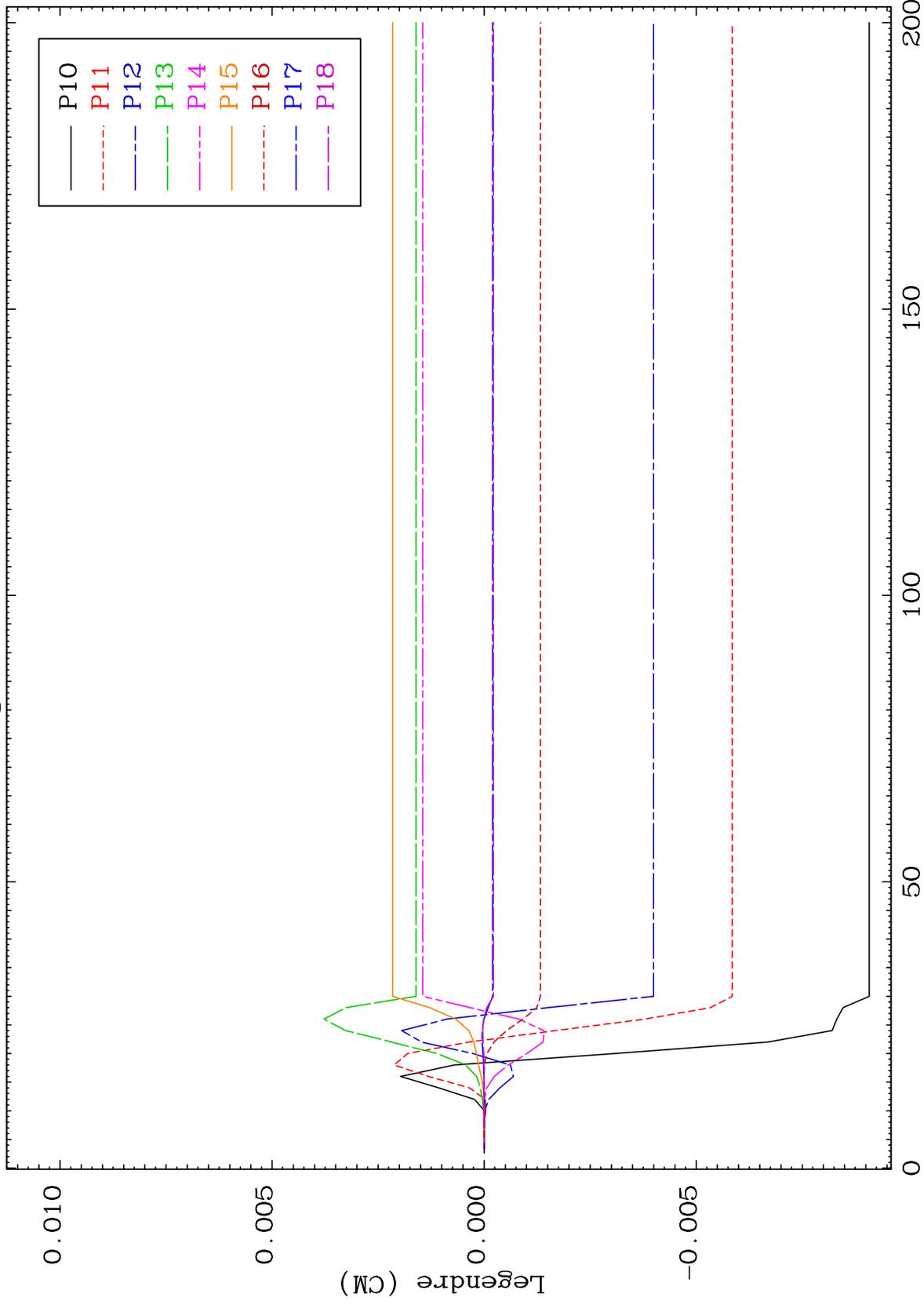
Incident Energy (MeV)

120

MAT 5843

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

58-Ce-142



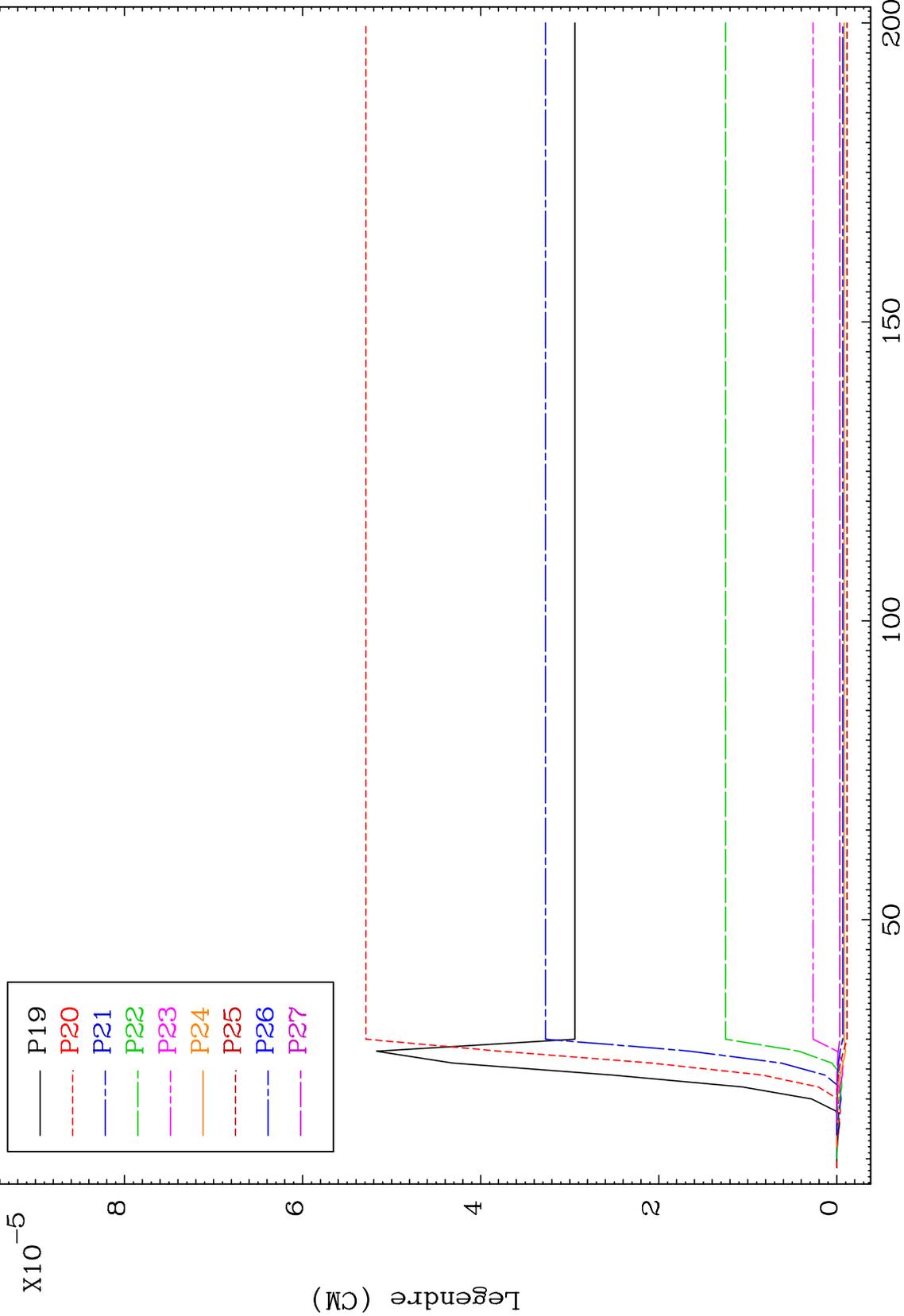
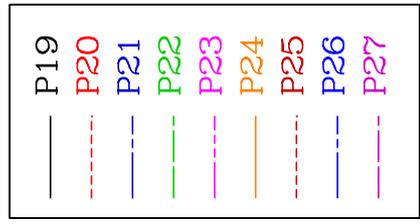
121

58-Ce-142

MAT 5843

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

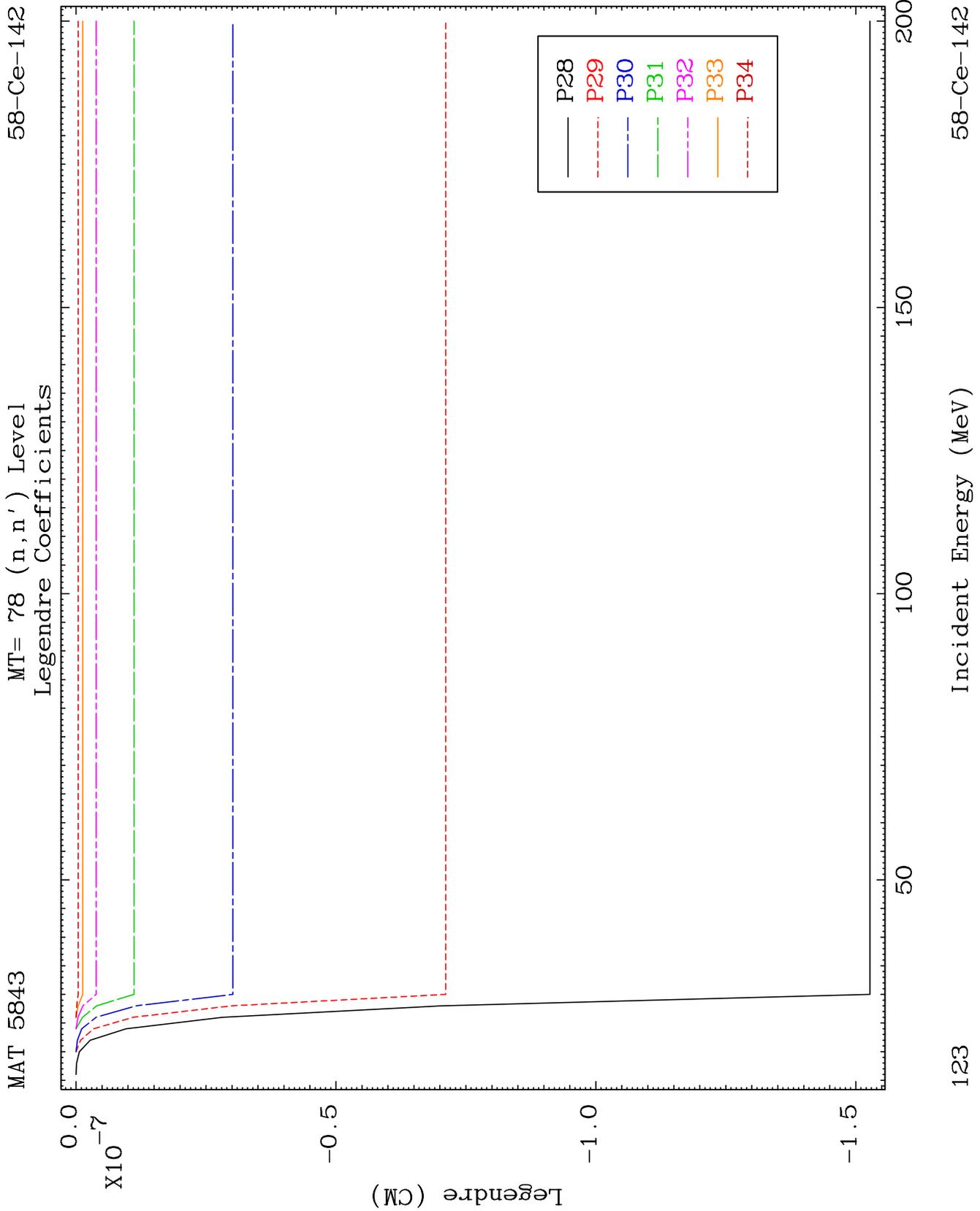
58-Ce-142



122

Incident Energy (MeV)

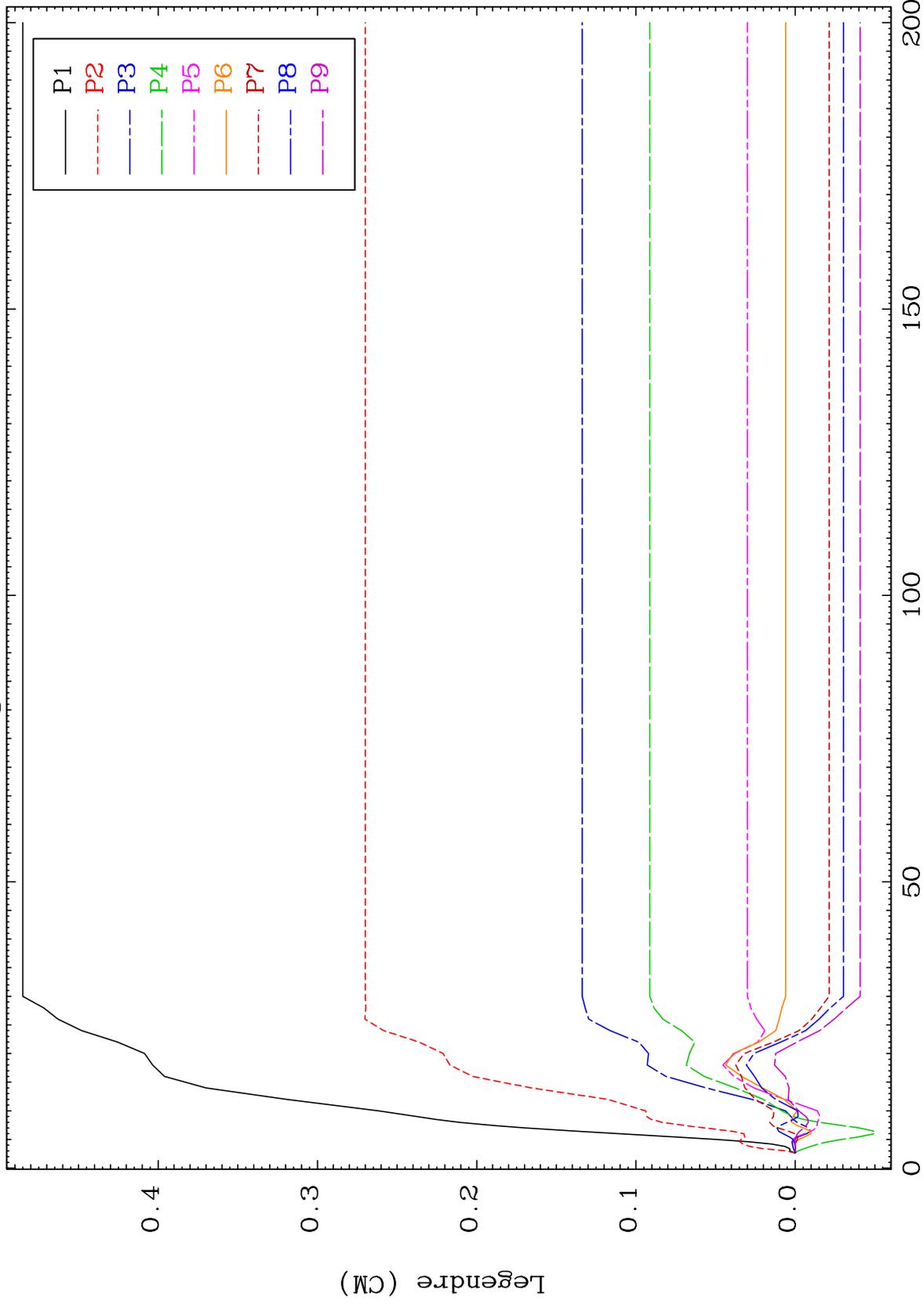
58-Ce-142



MAT 5843

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

58-Ce-142



58-Ce-142

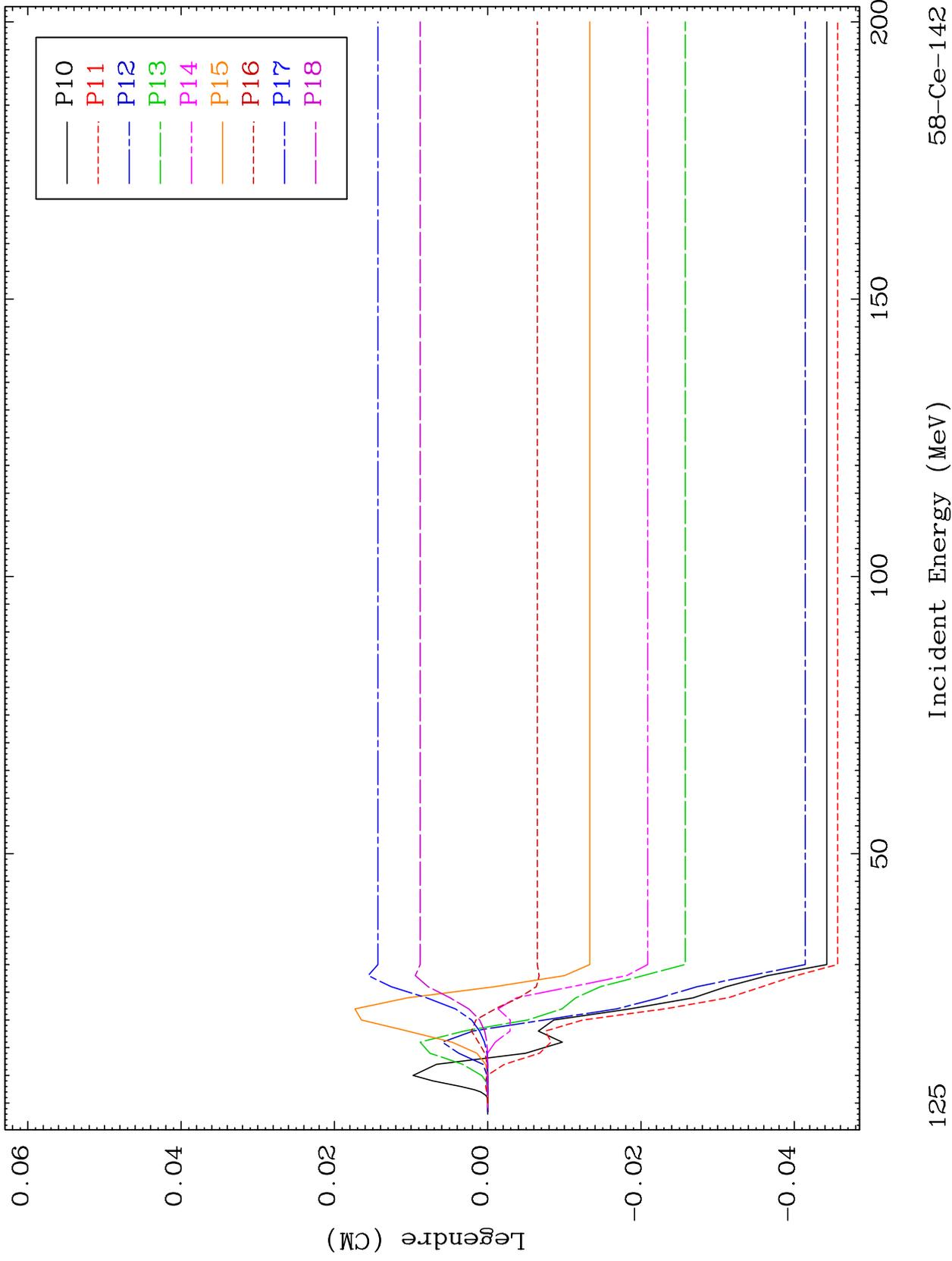
Incident Energy (MeV)

124

MAT 5843

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

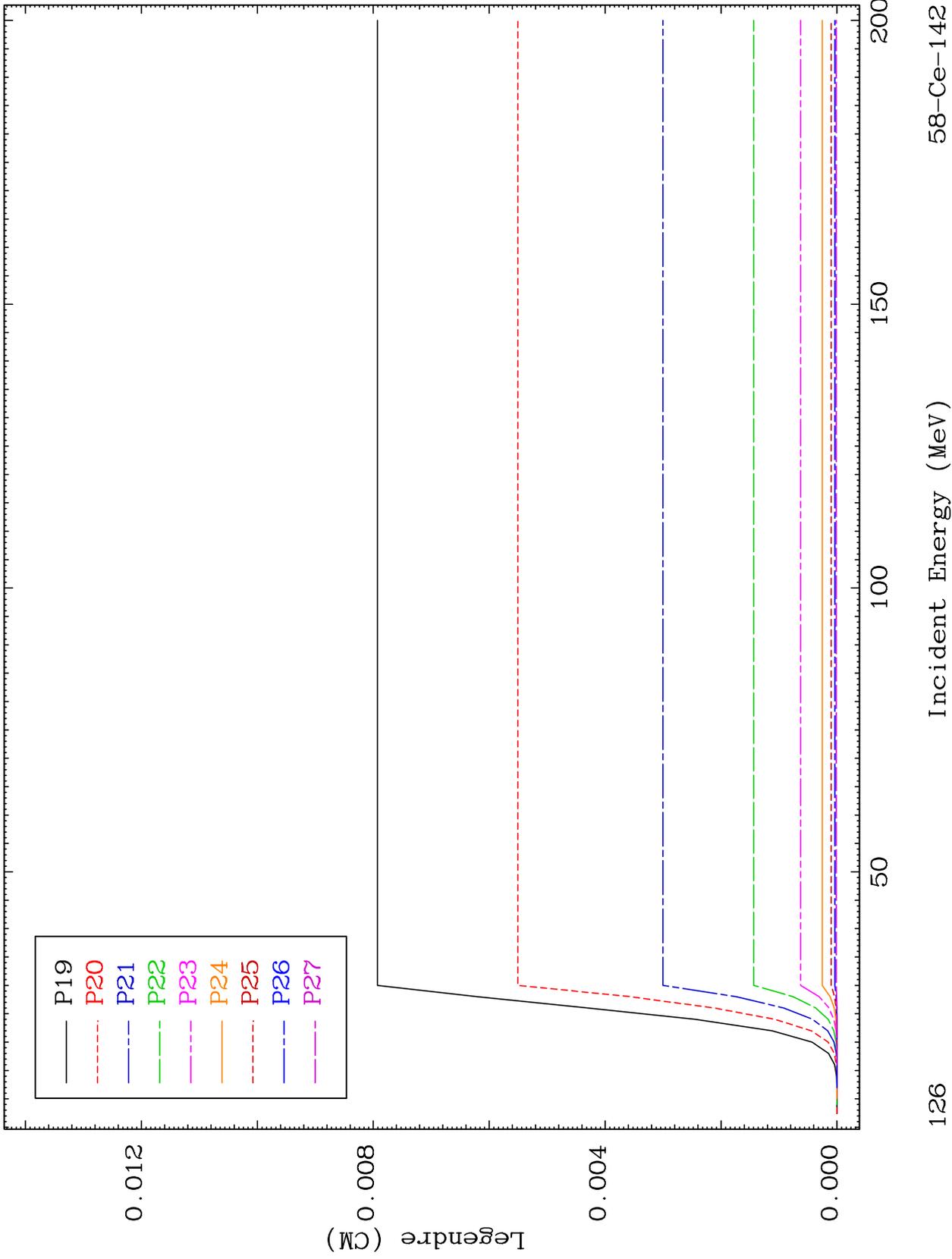
58-Ce-142



MAT 5843

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

58-Ce-142



126

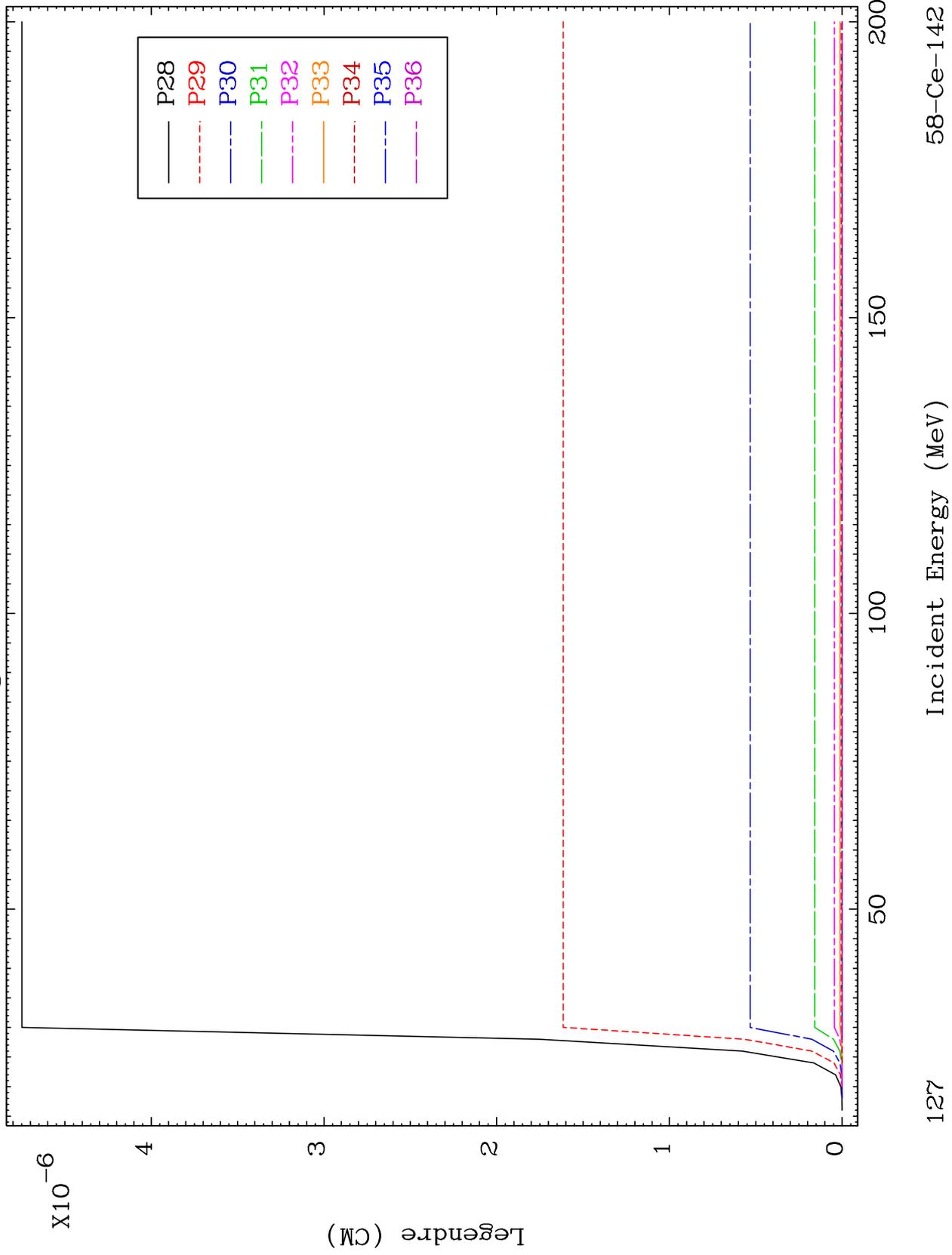
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

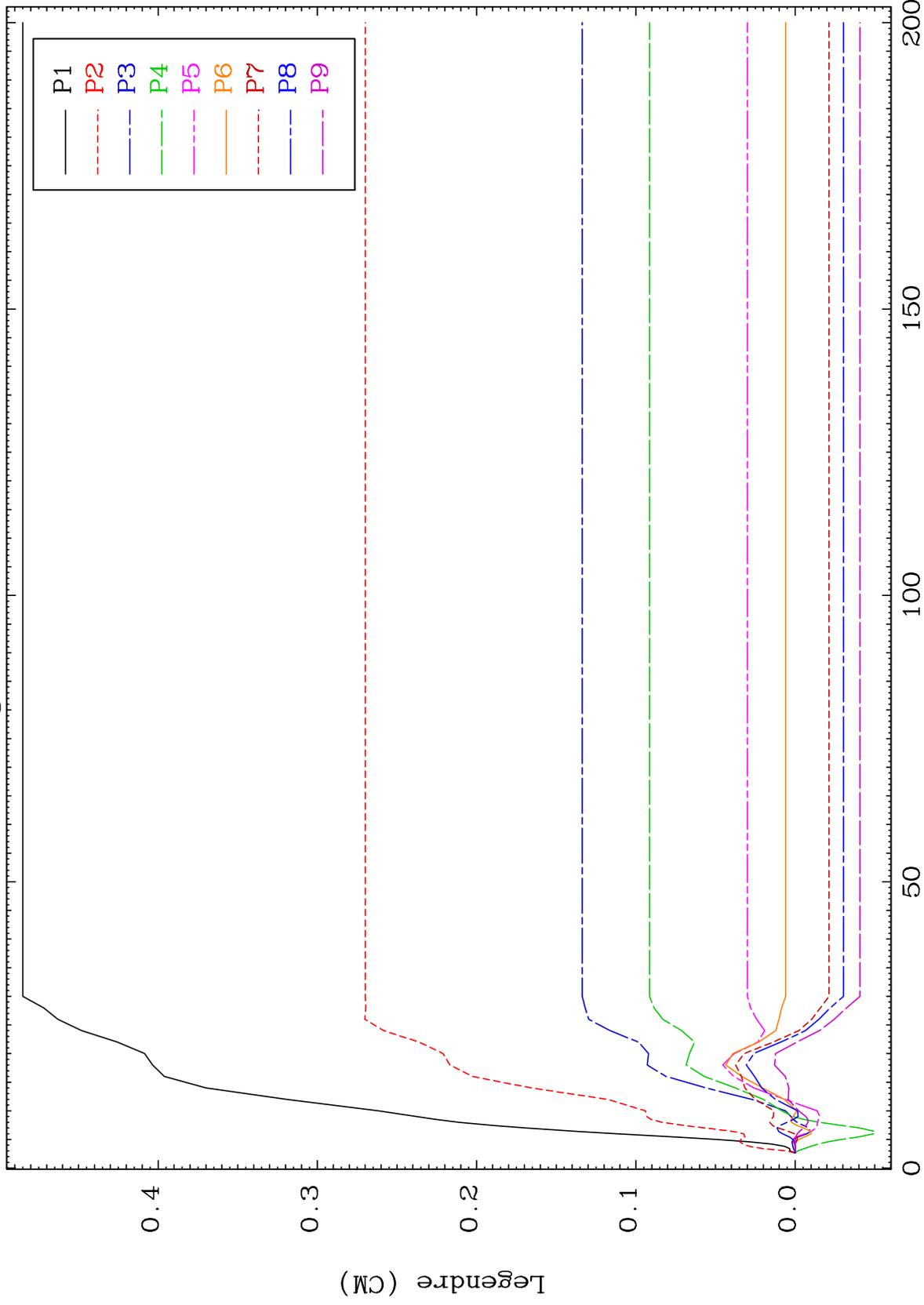
58-Ce-142



MAT 5843

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

58-Ce-142



128

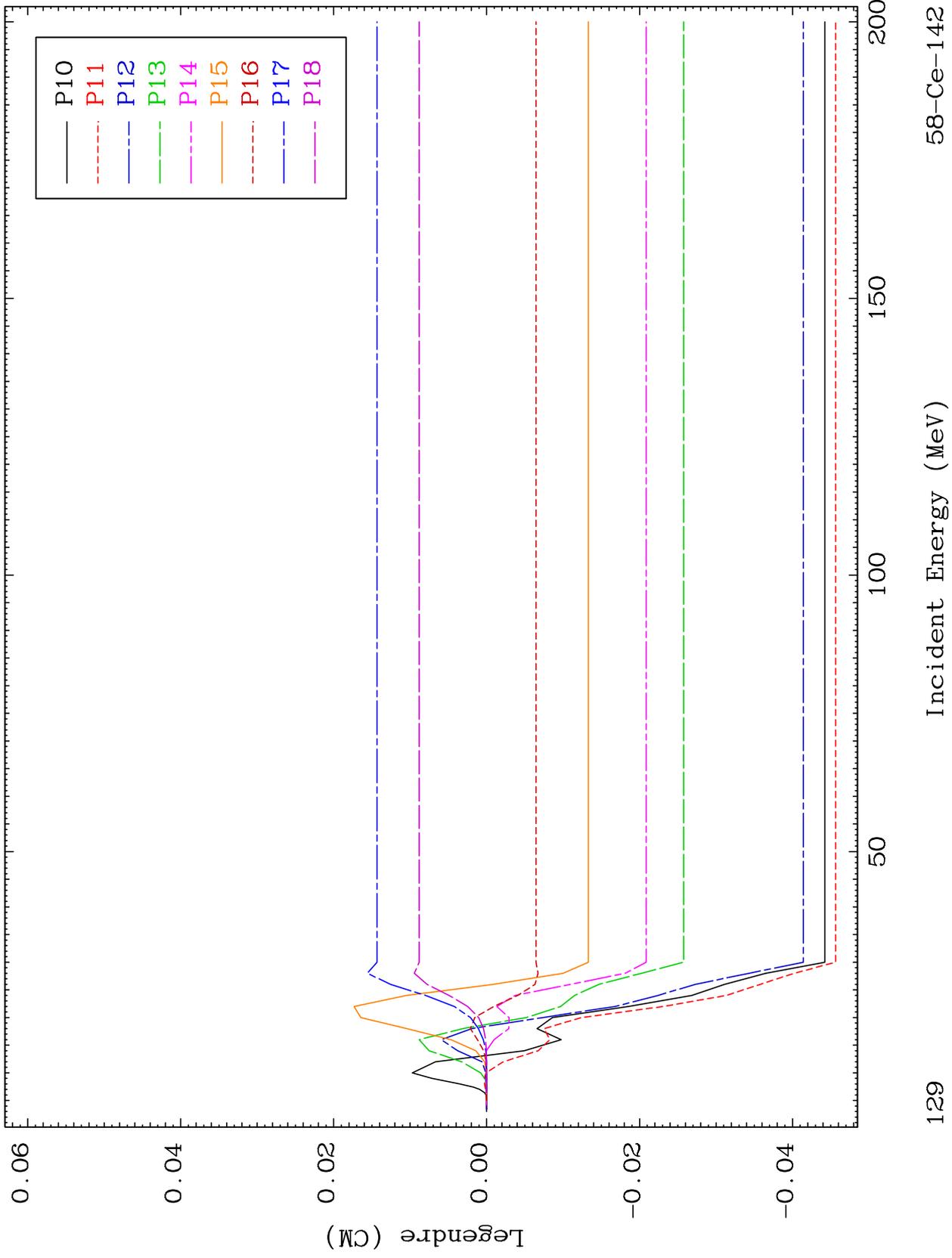
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



129

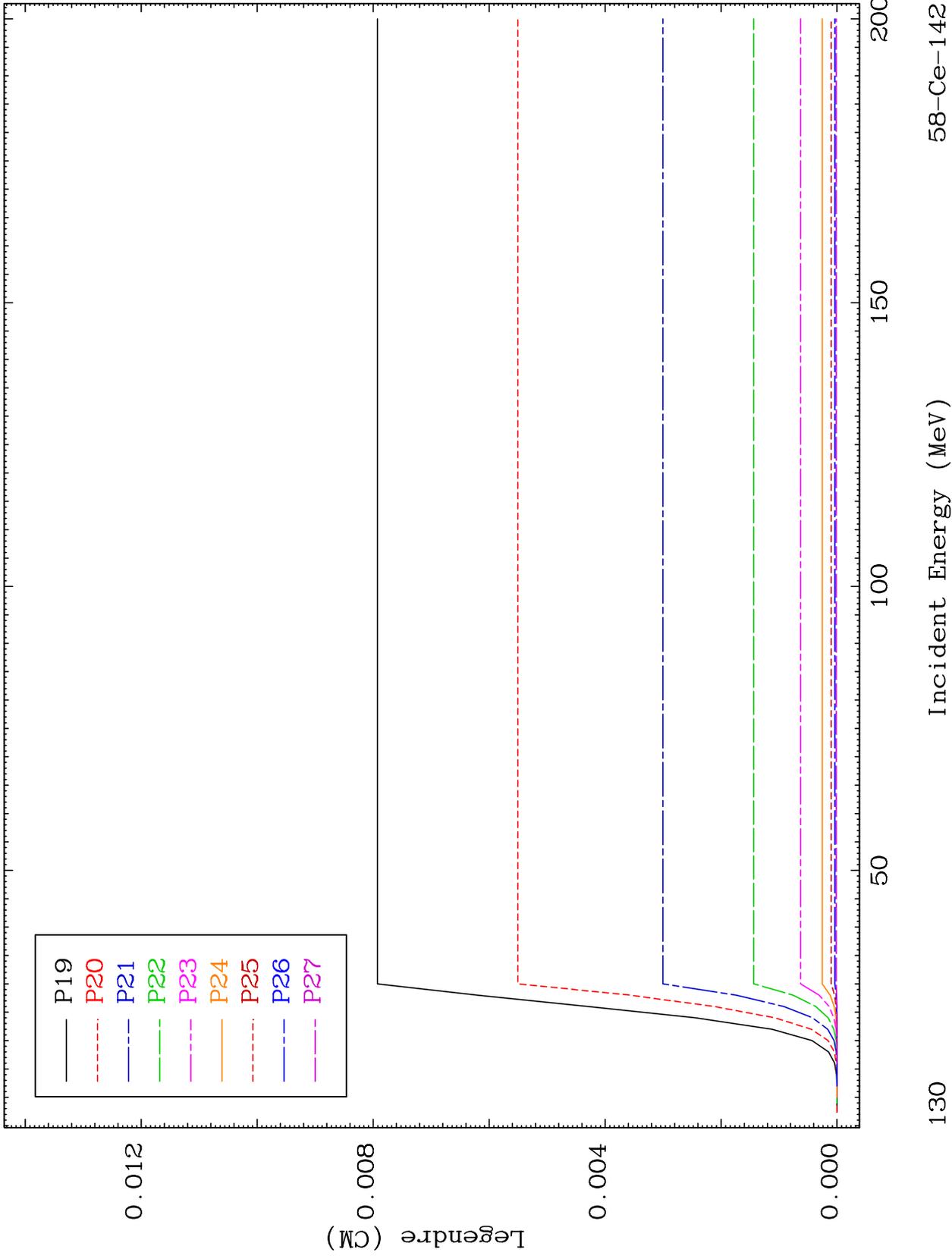
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



130

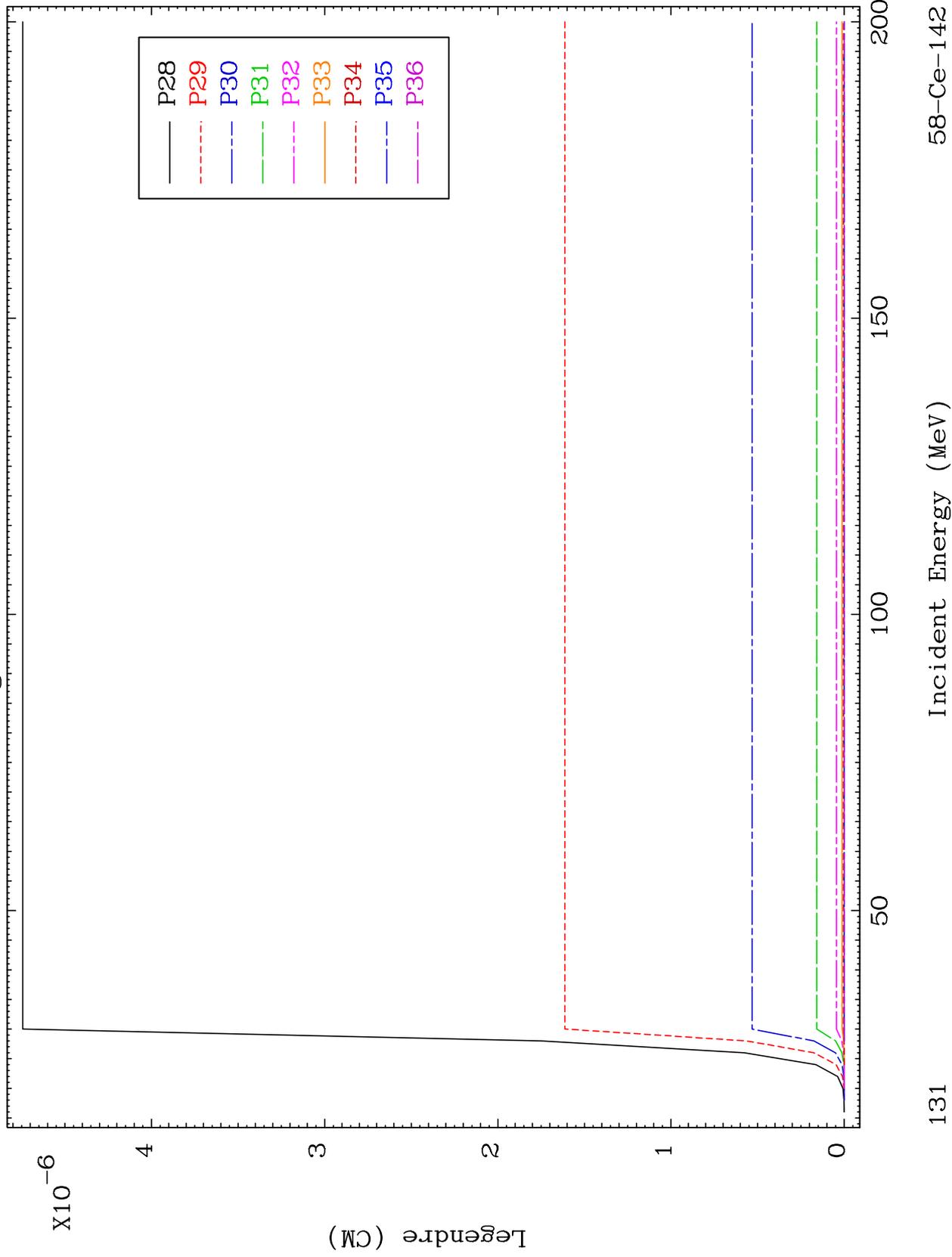
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142

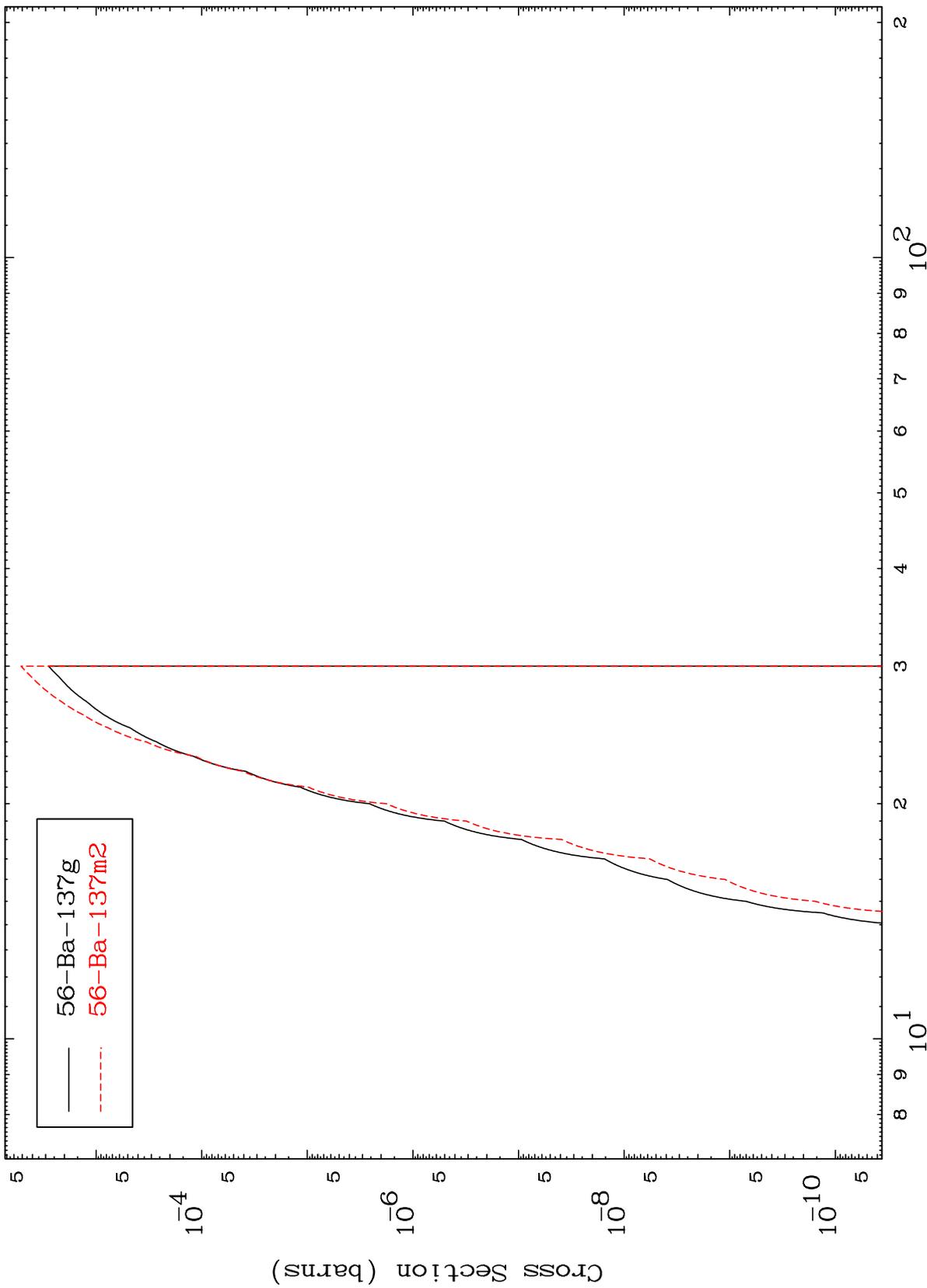


MAT 5843

(n,2n) α

58-Ce-142

Radionuclide Production Cross Section



132

Incident Energy (MeV)

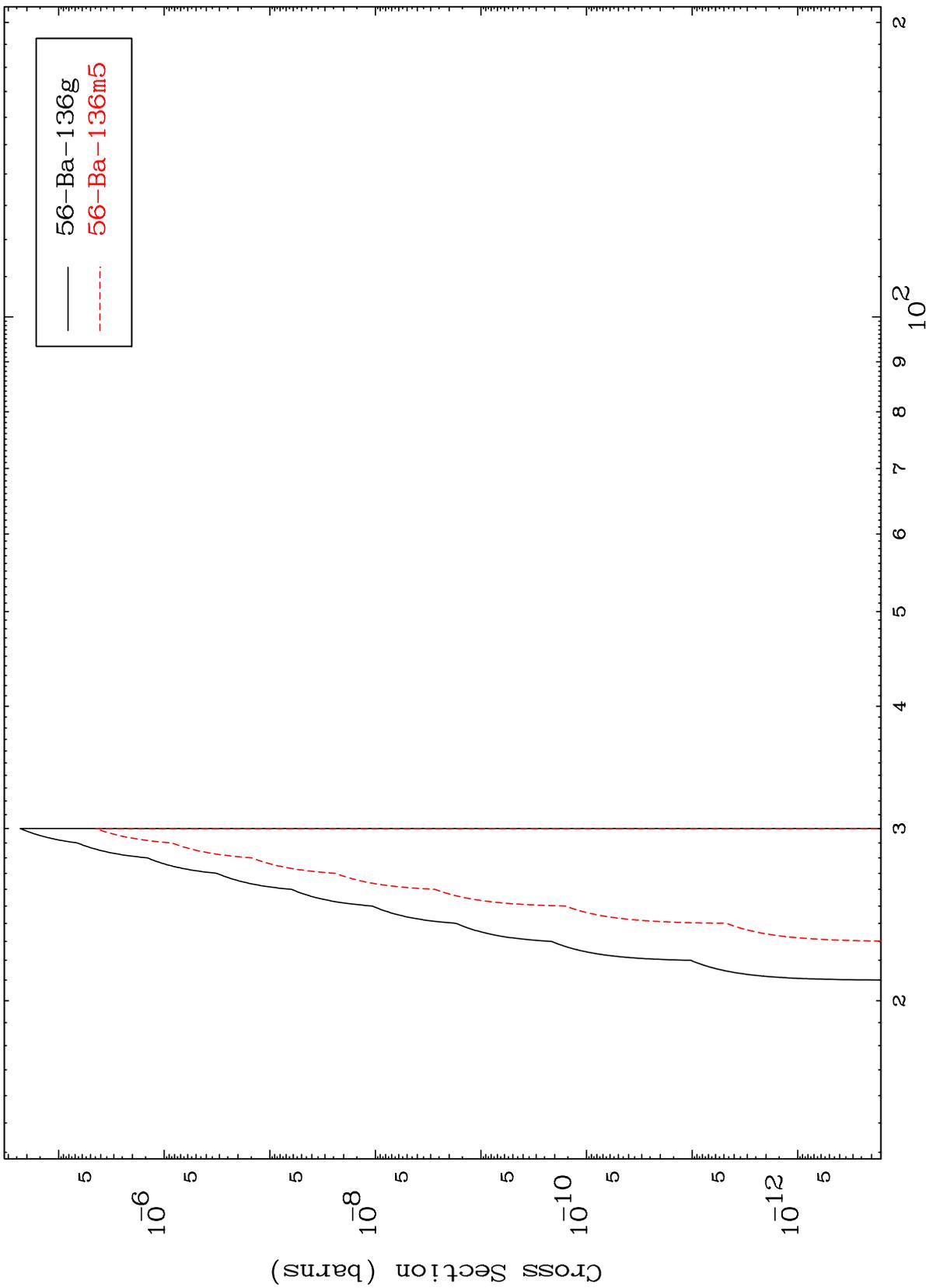
58-Ce-142

MAT 5843

(n,3n) α

58-Ce-142

Radionuclide Production Cross Section



133

Incident Energy (MeV)

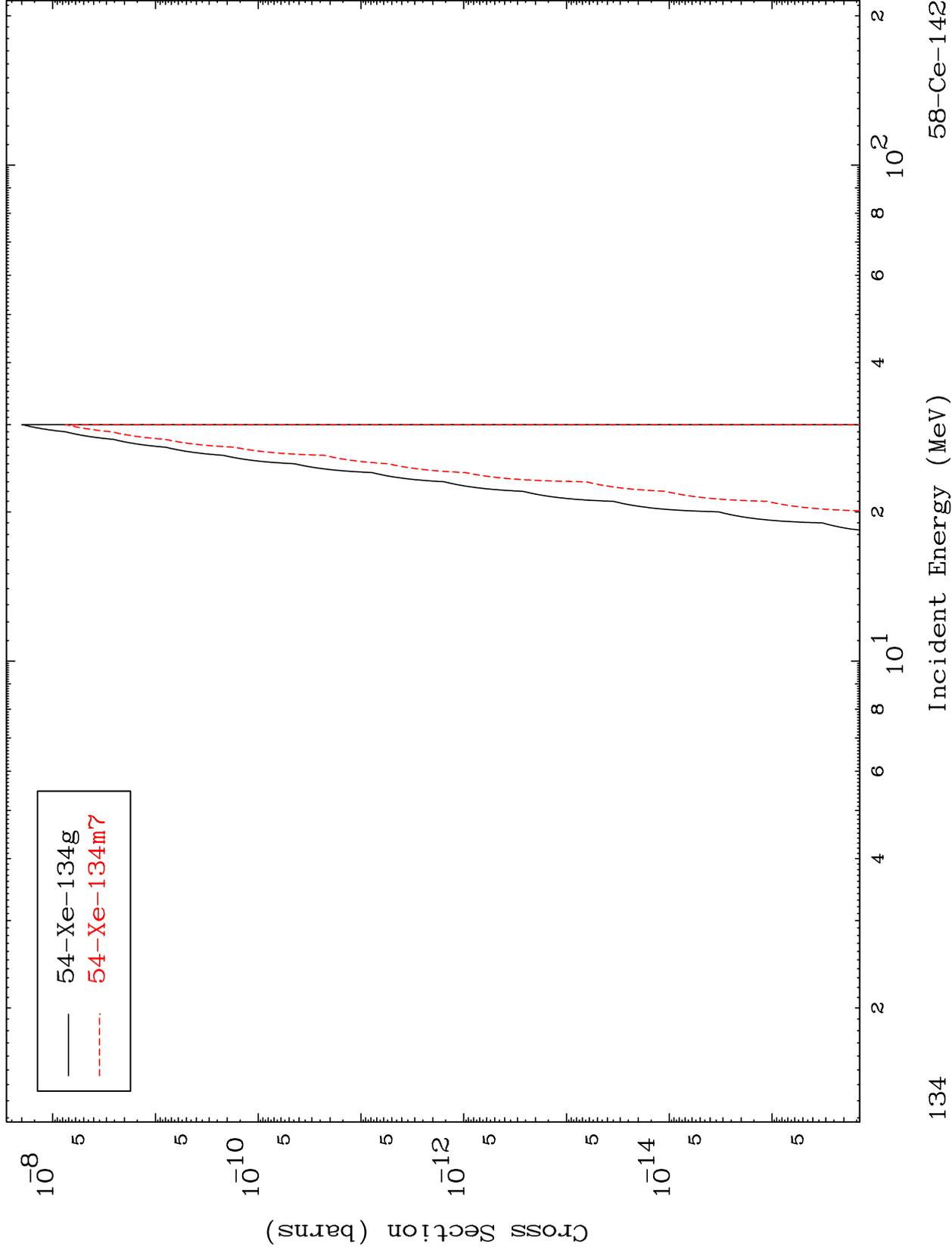
58-Ce-142

MAT 5843

(n,n') 2 α

58-Ce-142

Radionuclide Production Cross Section



54-Xe-134g
54-Xe-134m7

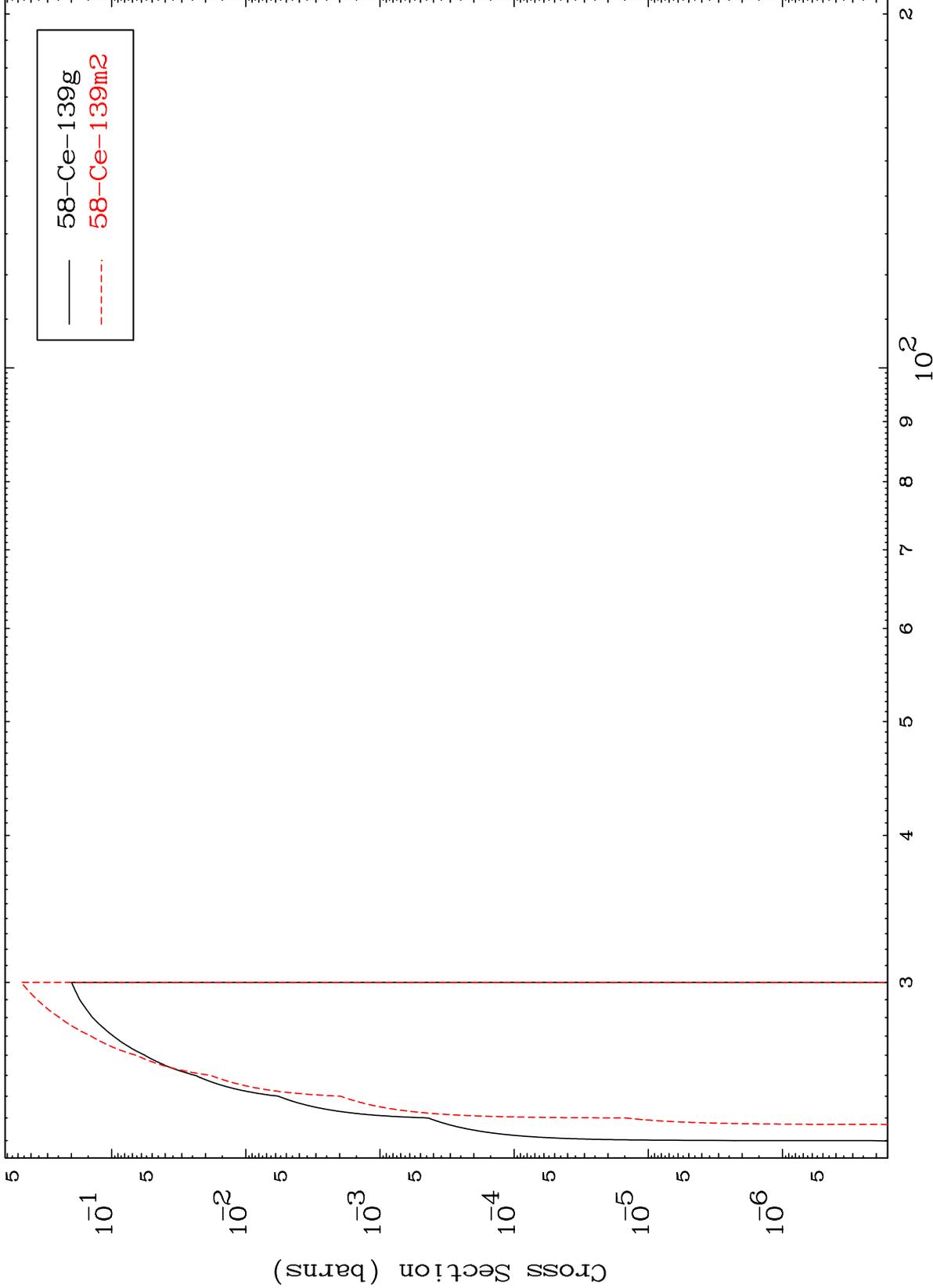
134

MAT 5843

(n,4n)

58-Ce-142

Radionuclide Production Cross Section



58-Ce-139g
58-Ce-139m2

135

Incident Energy (MeV)

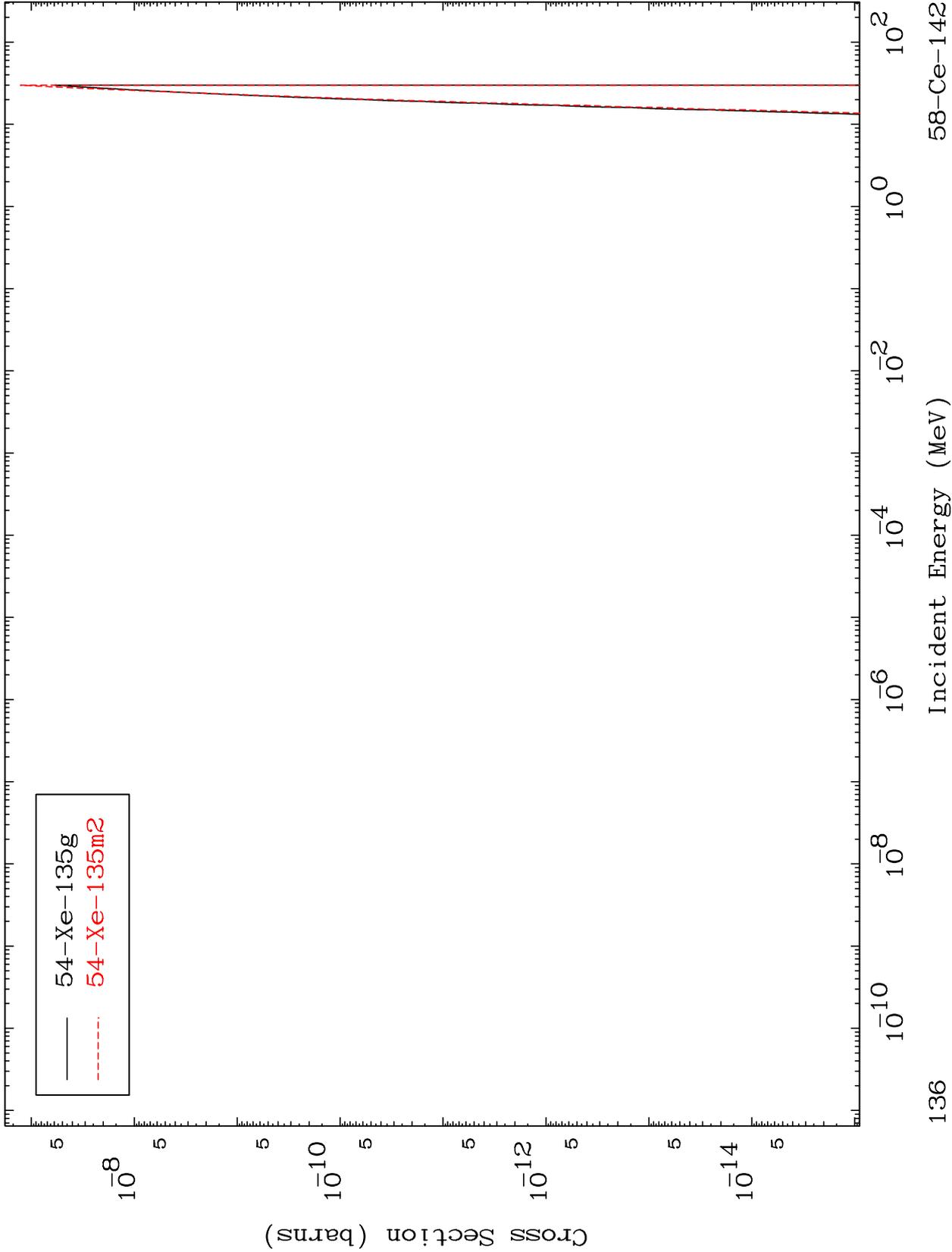
58-Ce-142

MAT 5843

(n,2α)

58-Ce-142

Radionuclide Production Cross Section

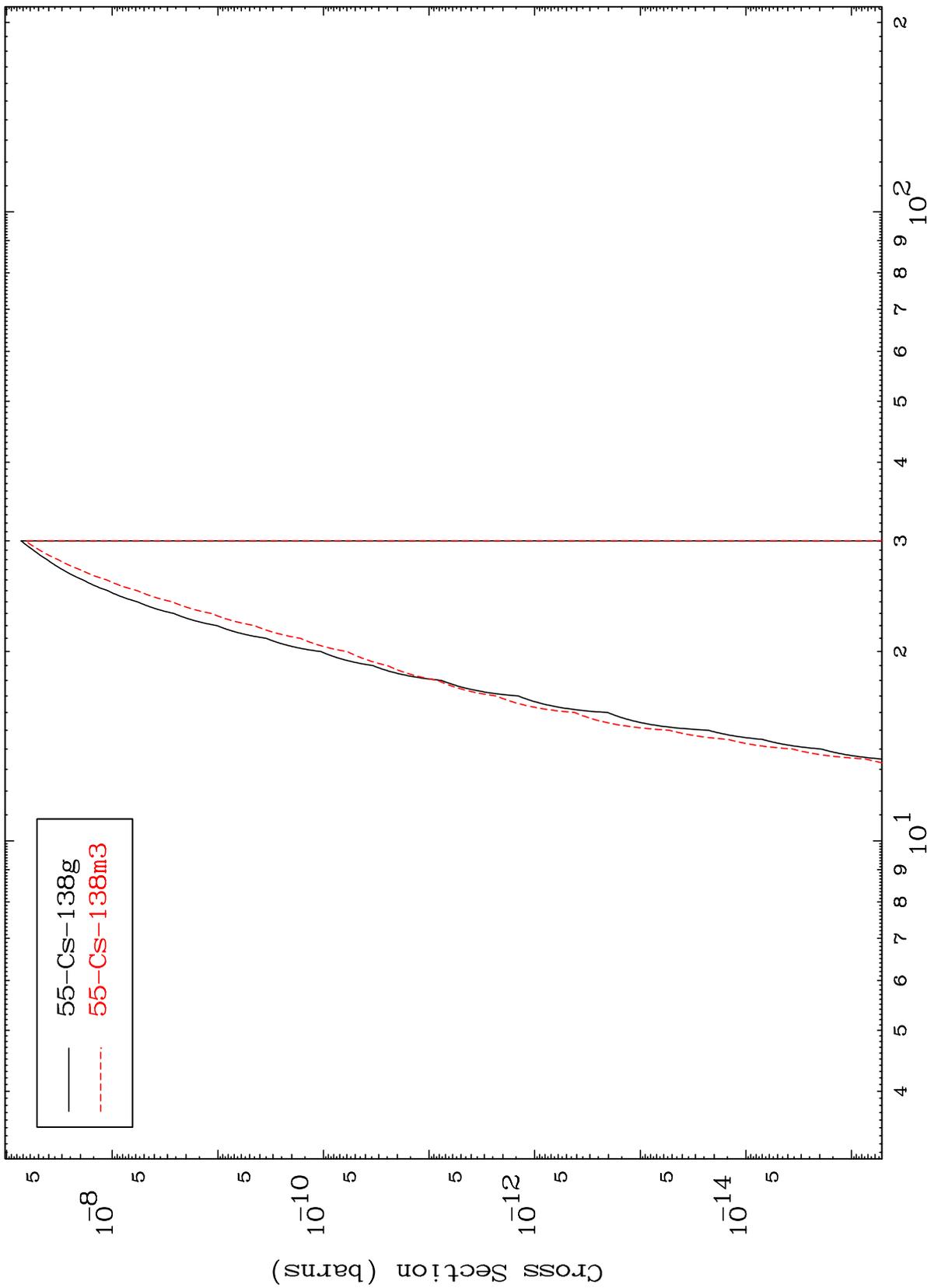


MAT 5843

(n,p) α

58-Ce-142

Radionuclide Production Cross Section



137

Incident Energy (MeV)

58-Ce-142