

Program EVALPLOT
(Version 2018-1)

by

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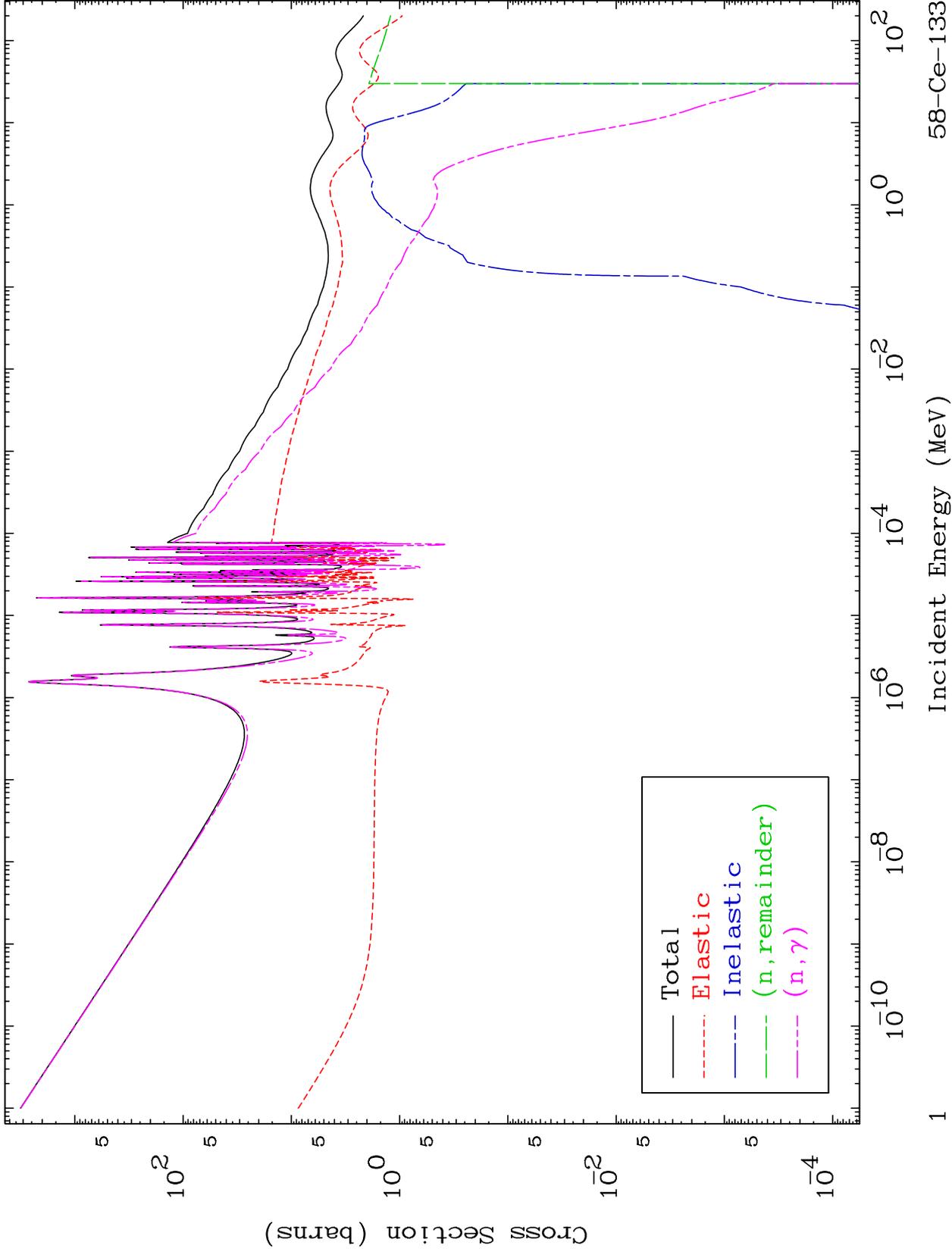
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Press Mouse Button to Start

MAT 5816

Major
293 Kelvin Cross Sections

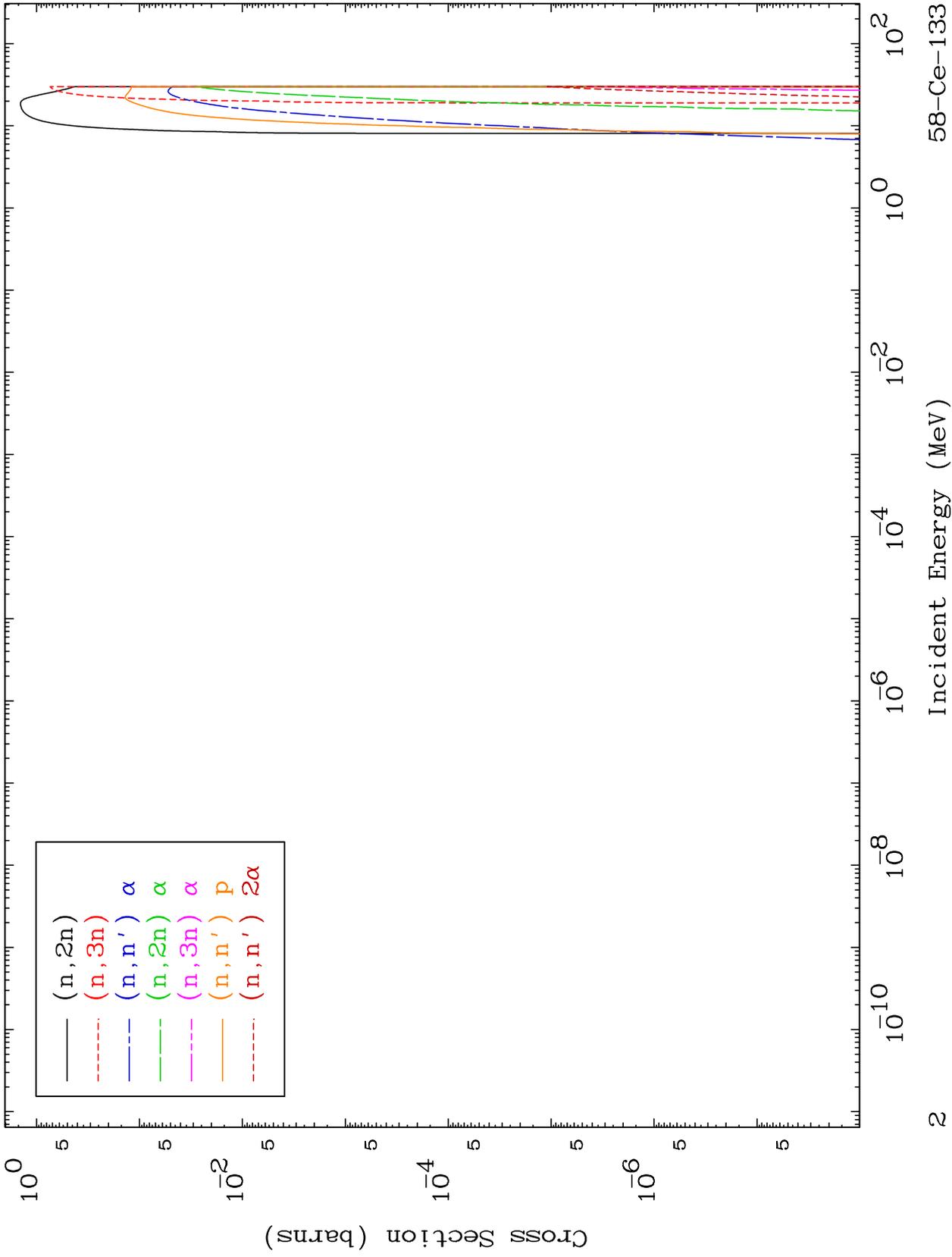
58-Ce-133

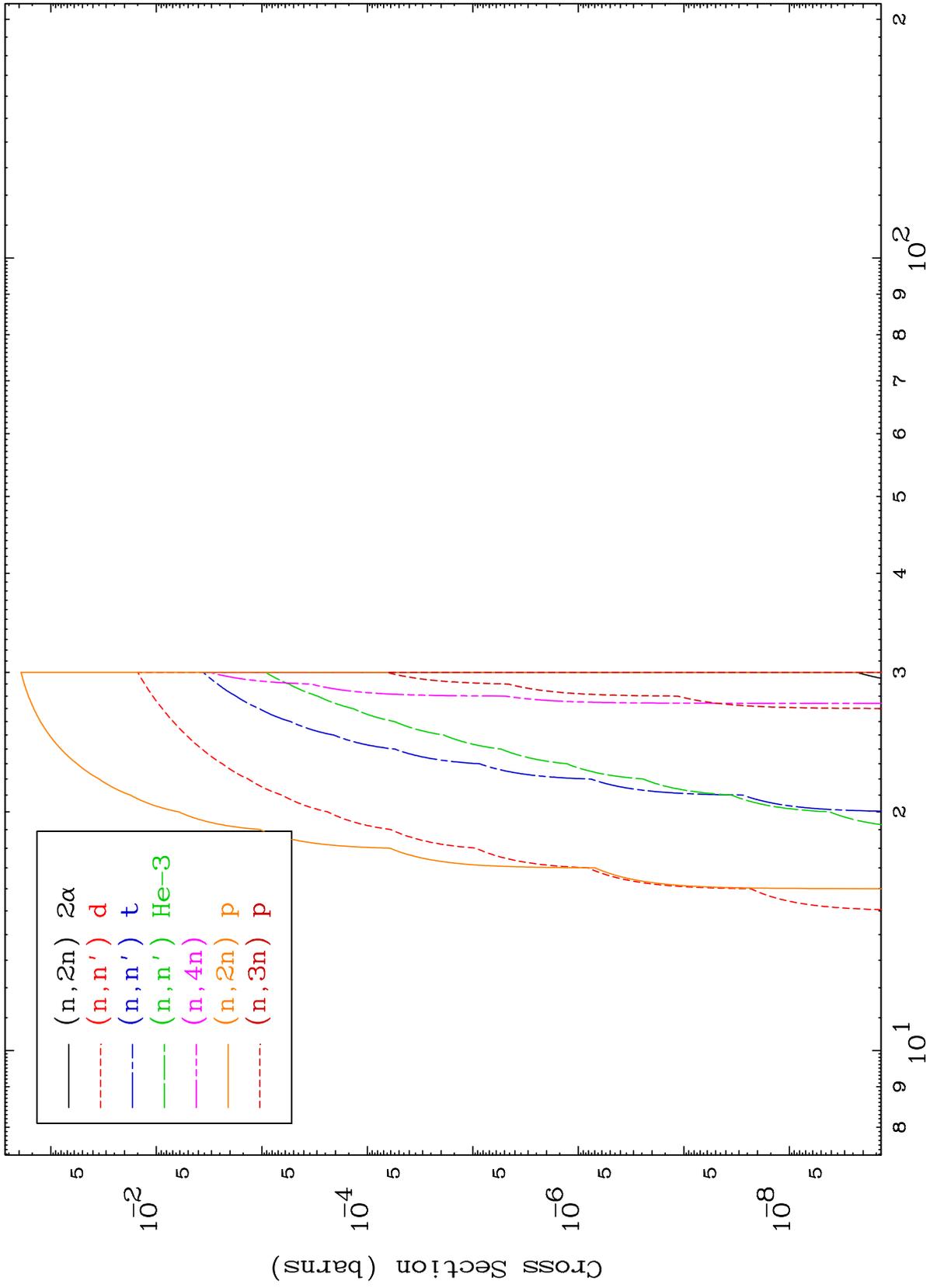


MAT 5816

Neutron Production
293 Kelvin Cross Sections

58-Ce-133

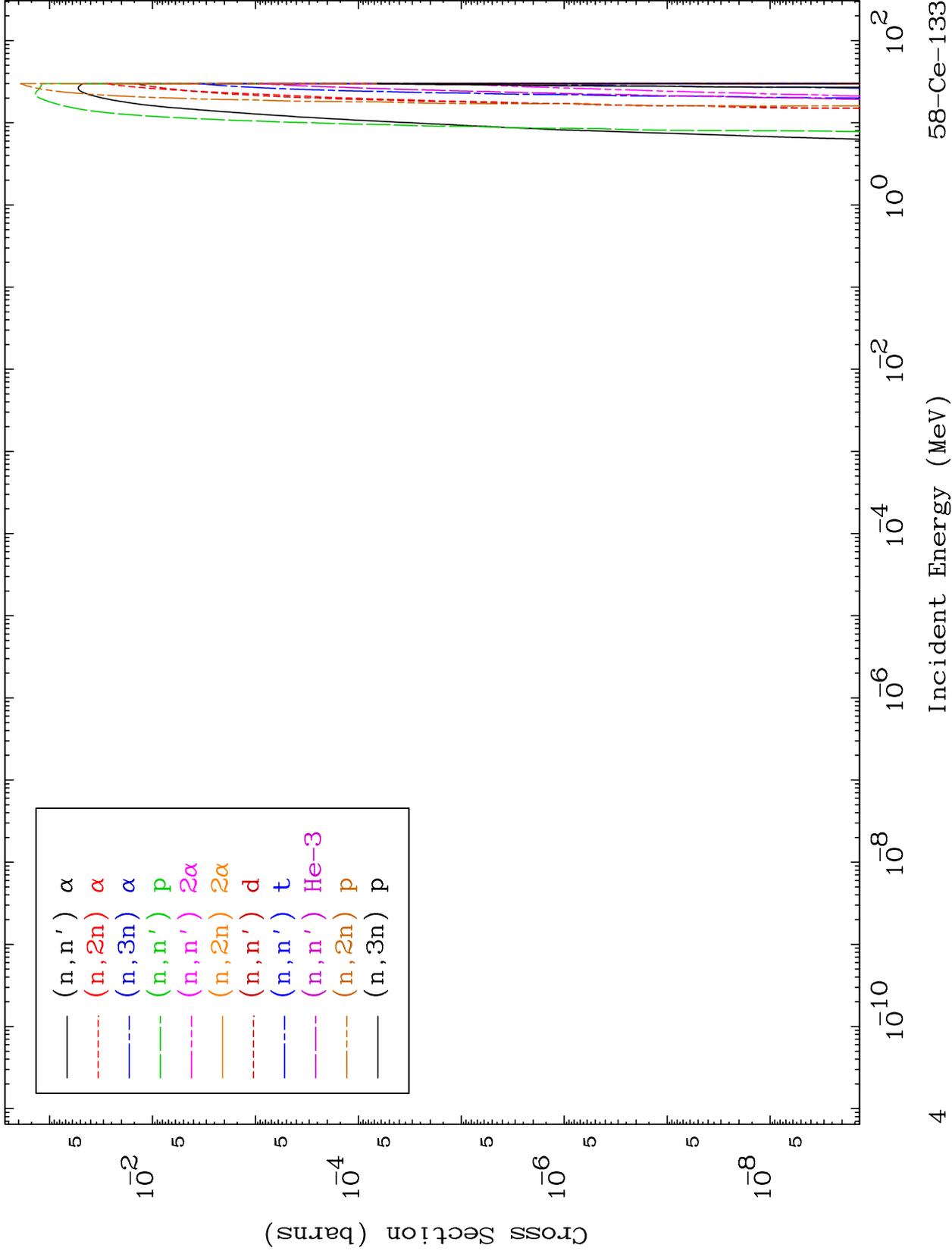




MAT 5816

Charged Particle
293 Kelvin Cross Sections

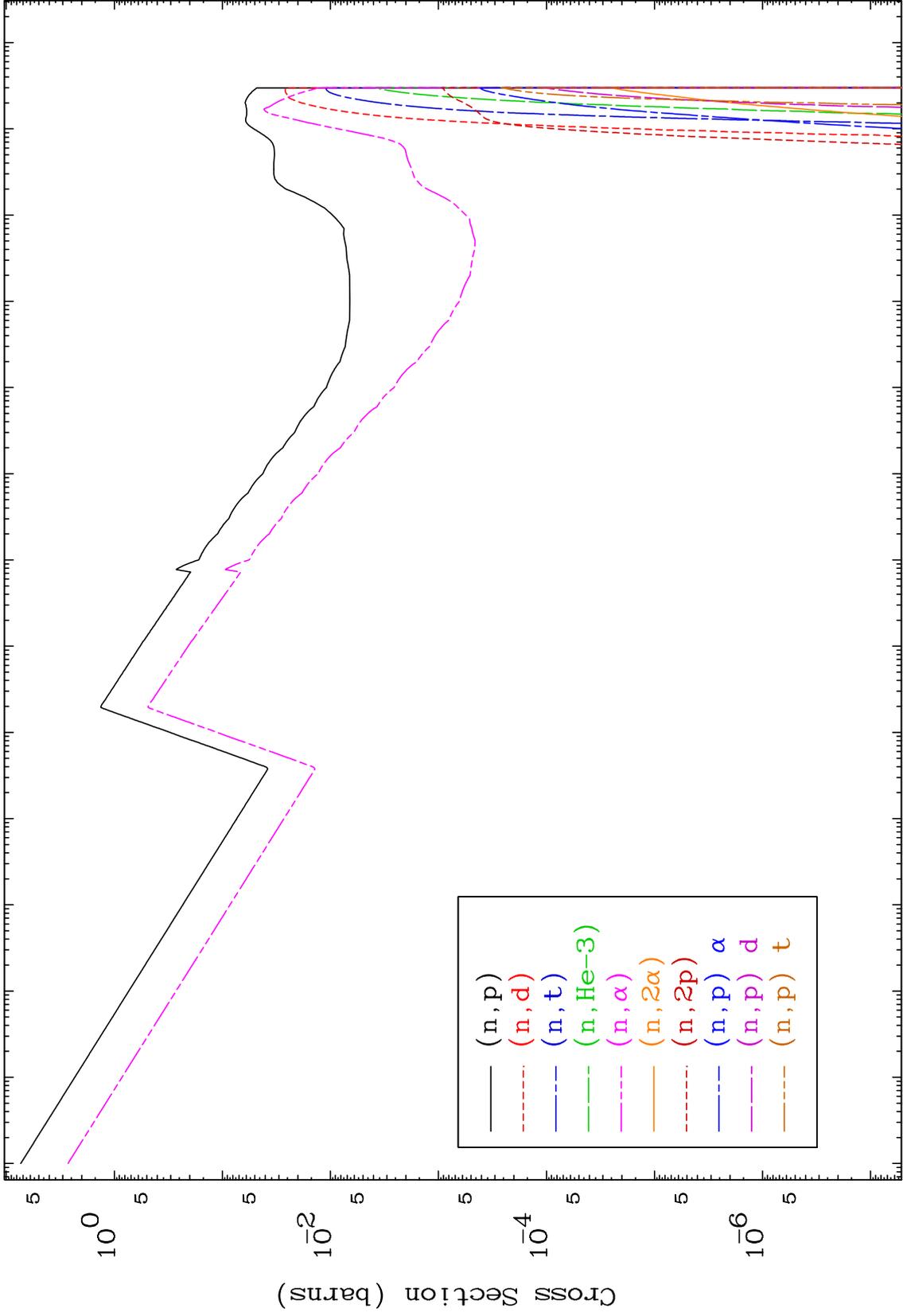
58-Ce-133



MAT 5816

Charged Particle
293 Kelvin Cross Sections

58-Ce-133



Incident Energy (MeV)

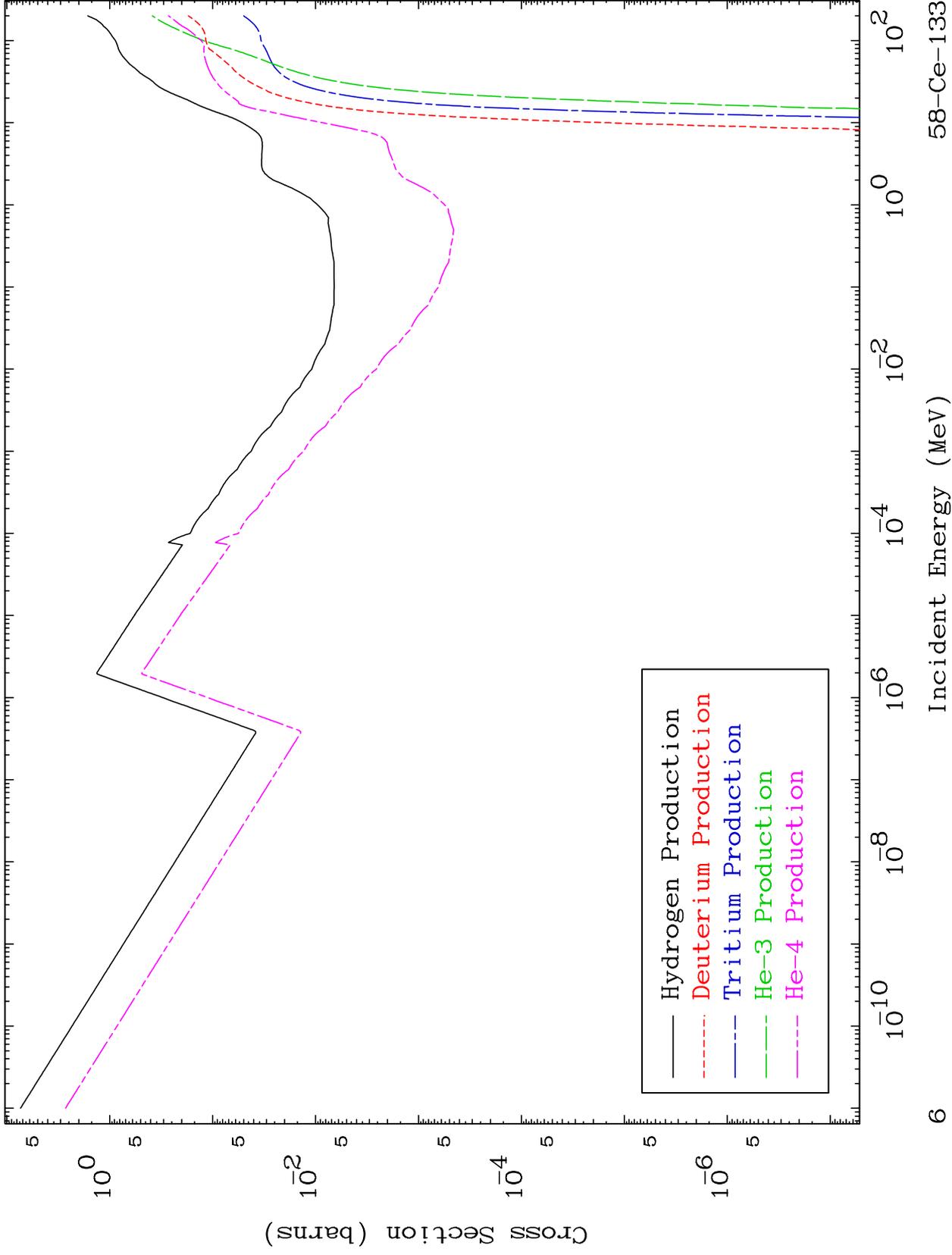
58-Ce-133

5

MAT 5816

Particle Production
293 Kelvin Cross Sections

58-Ce-133

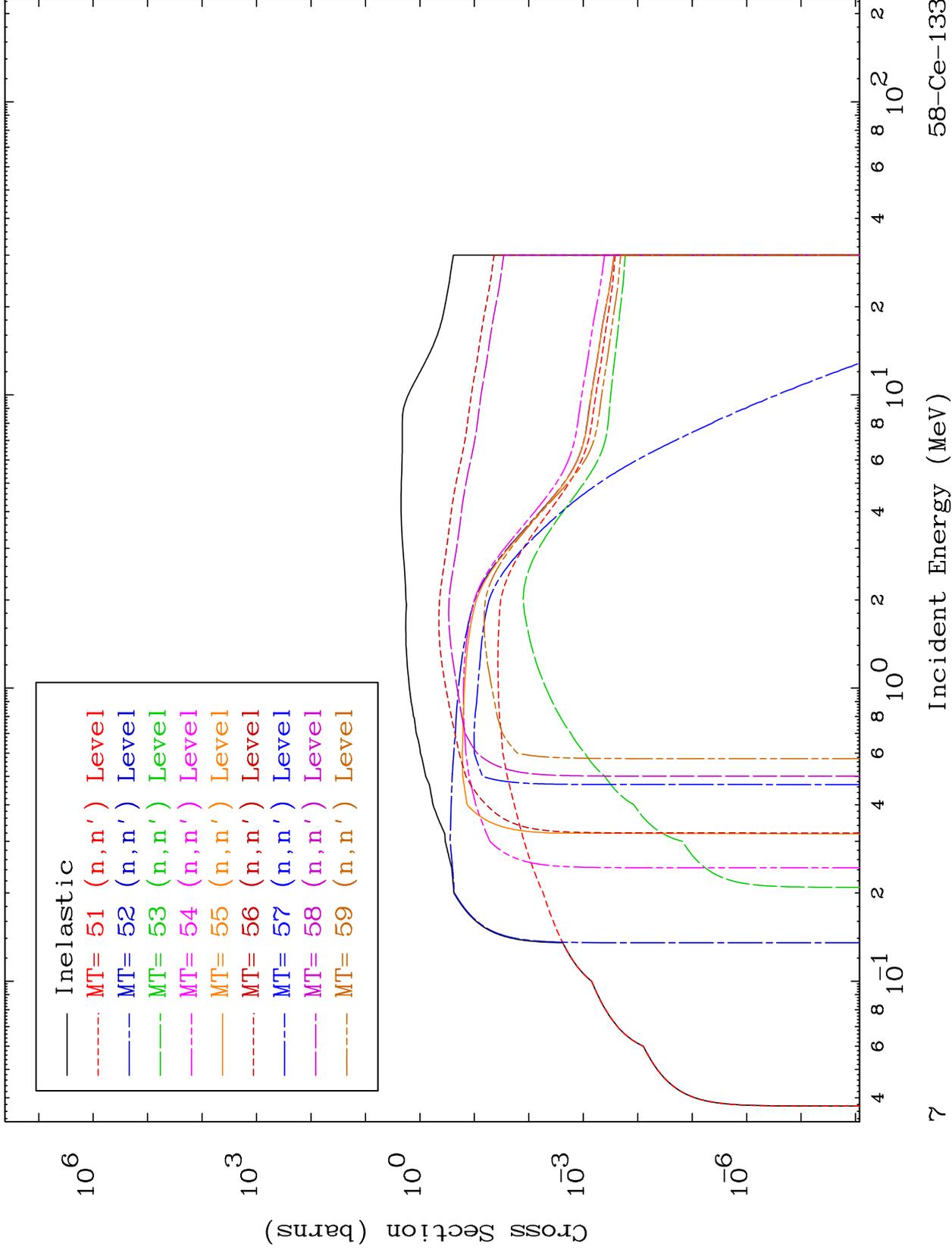


MAT 5816

(n,n') Level

58-Ce-133

293 Kelvin Cross Sections

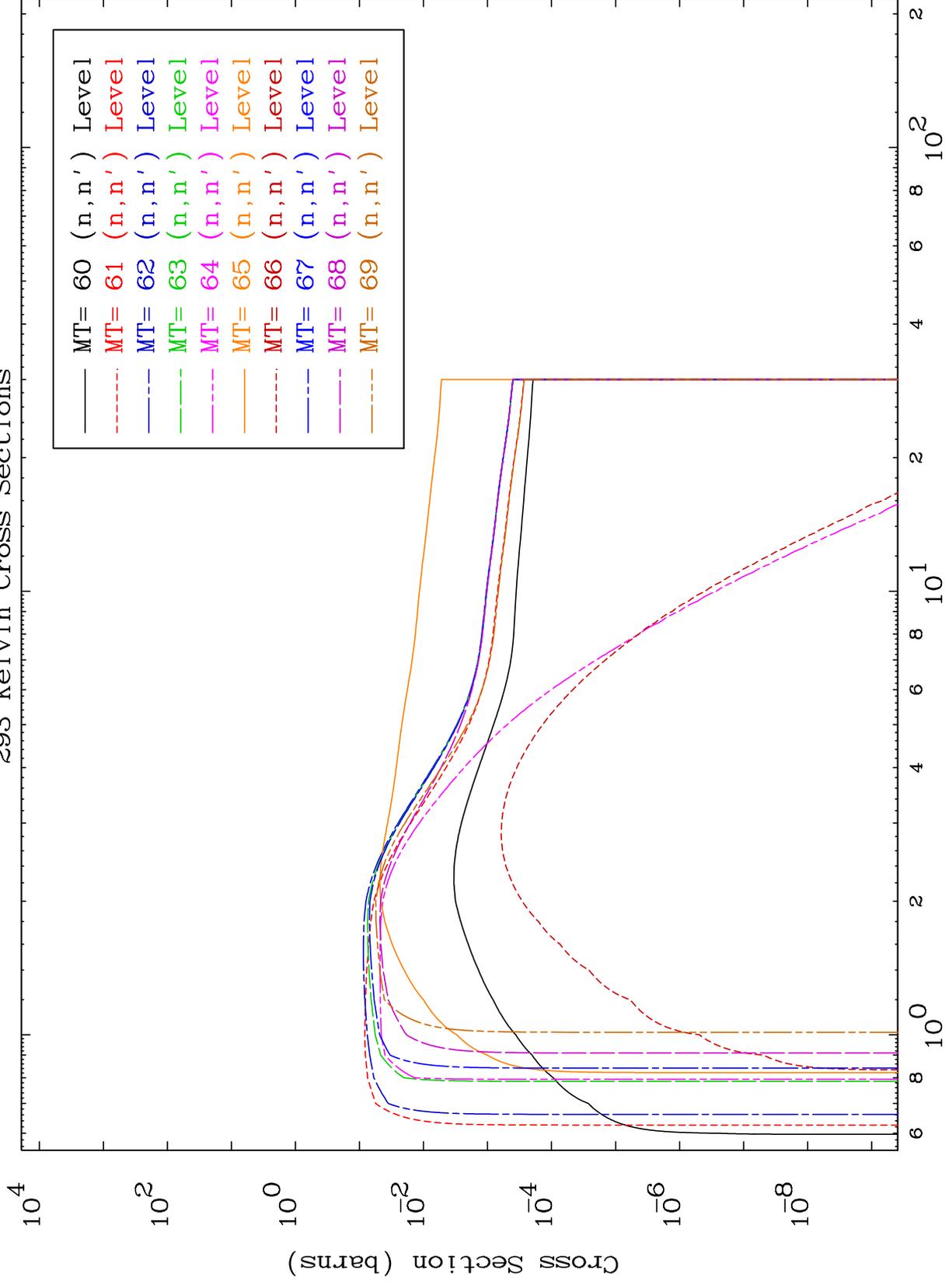


MAT 5816

(n,n') Level

58-Ce-133

293 Kelvin Cross Sections



8

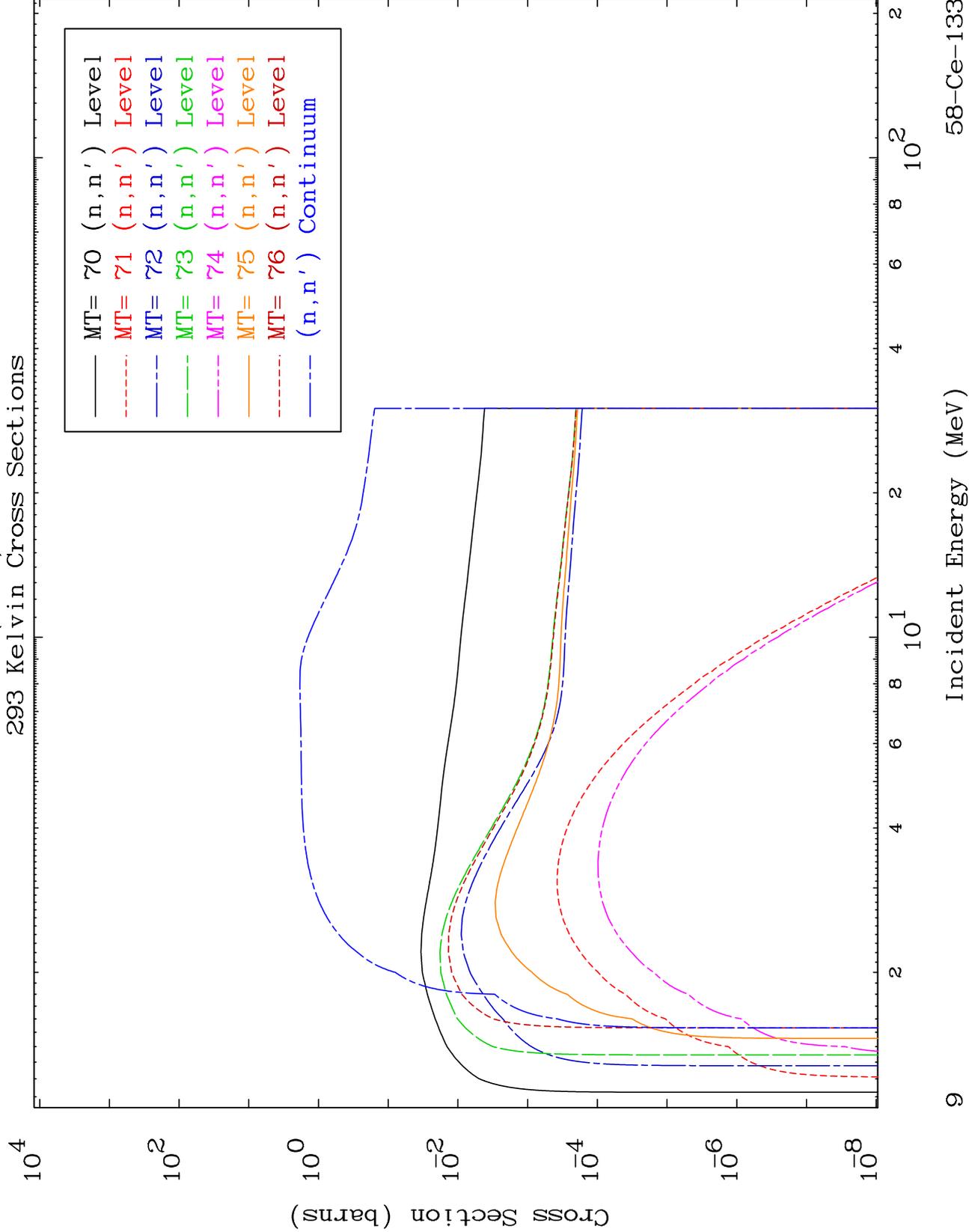
Incident Energy (MeV)

58-Ce-133

MAT 5816

(n,n') Level

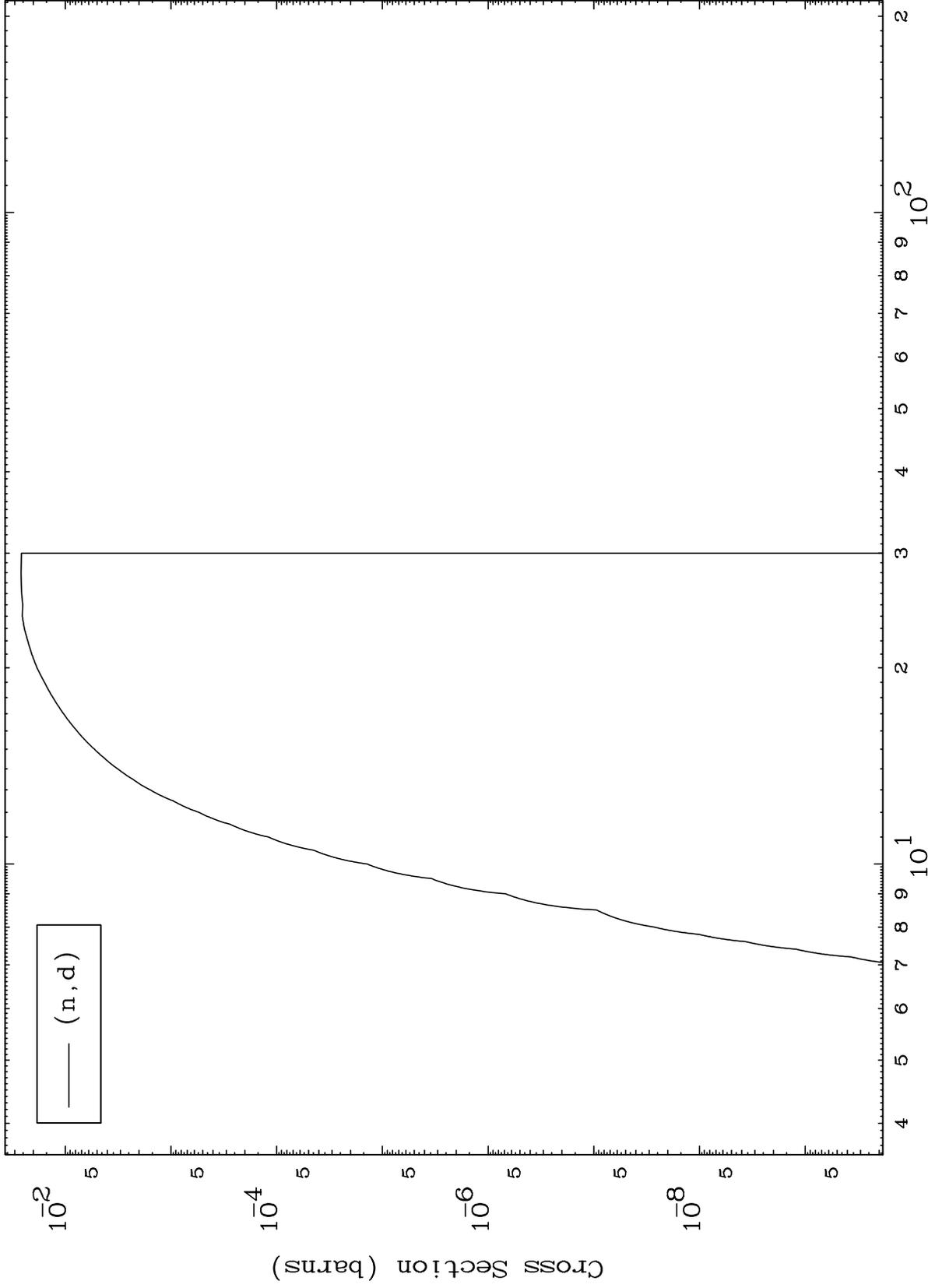
58-Ce-133



MAT 5816

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-133



11

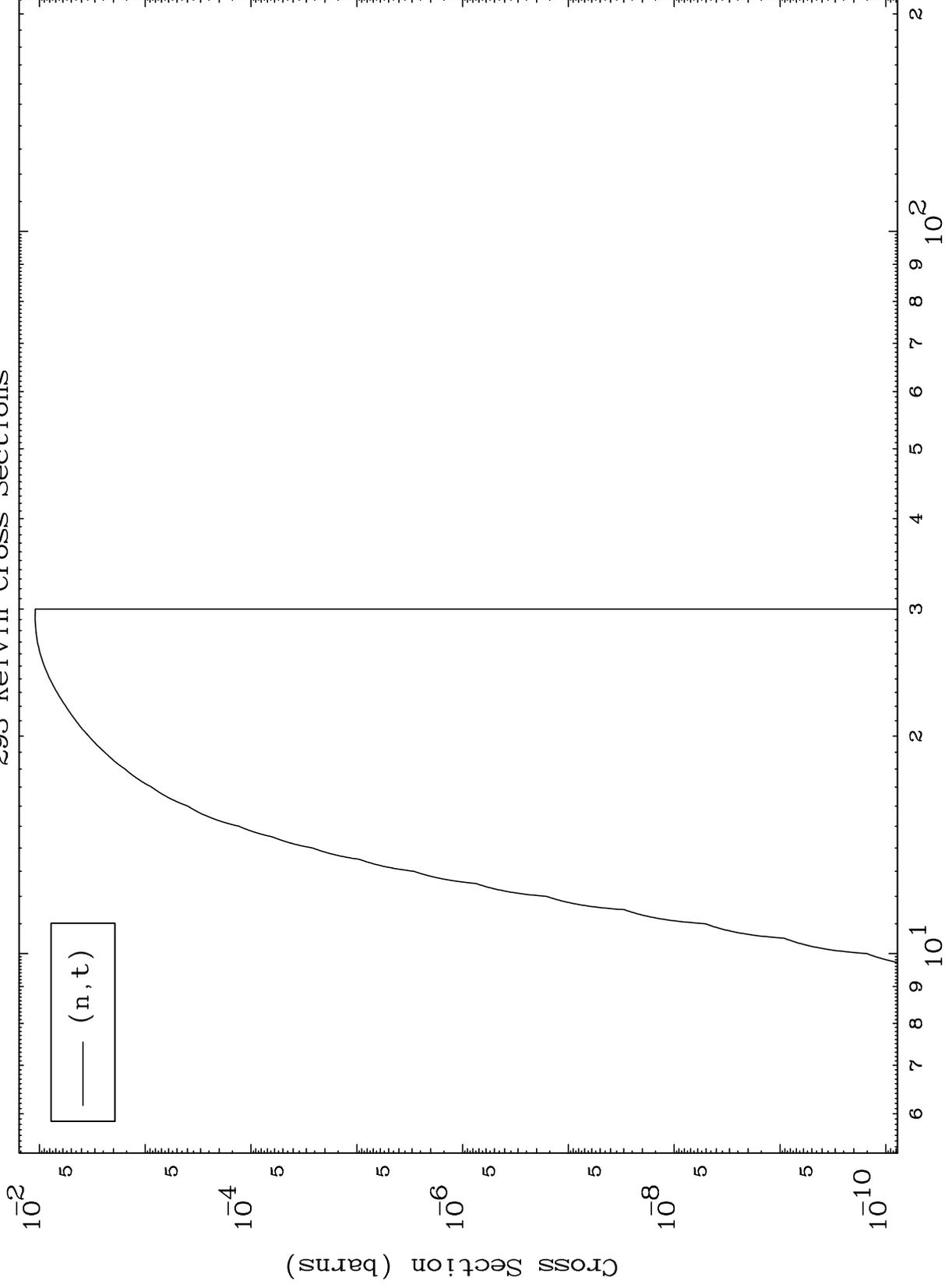
Incident Energy (MeV)

58-Ce-133

MAT 5816

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-133



12

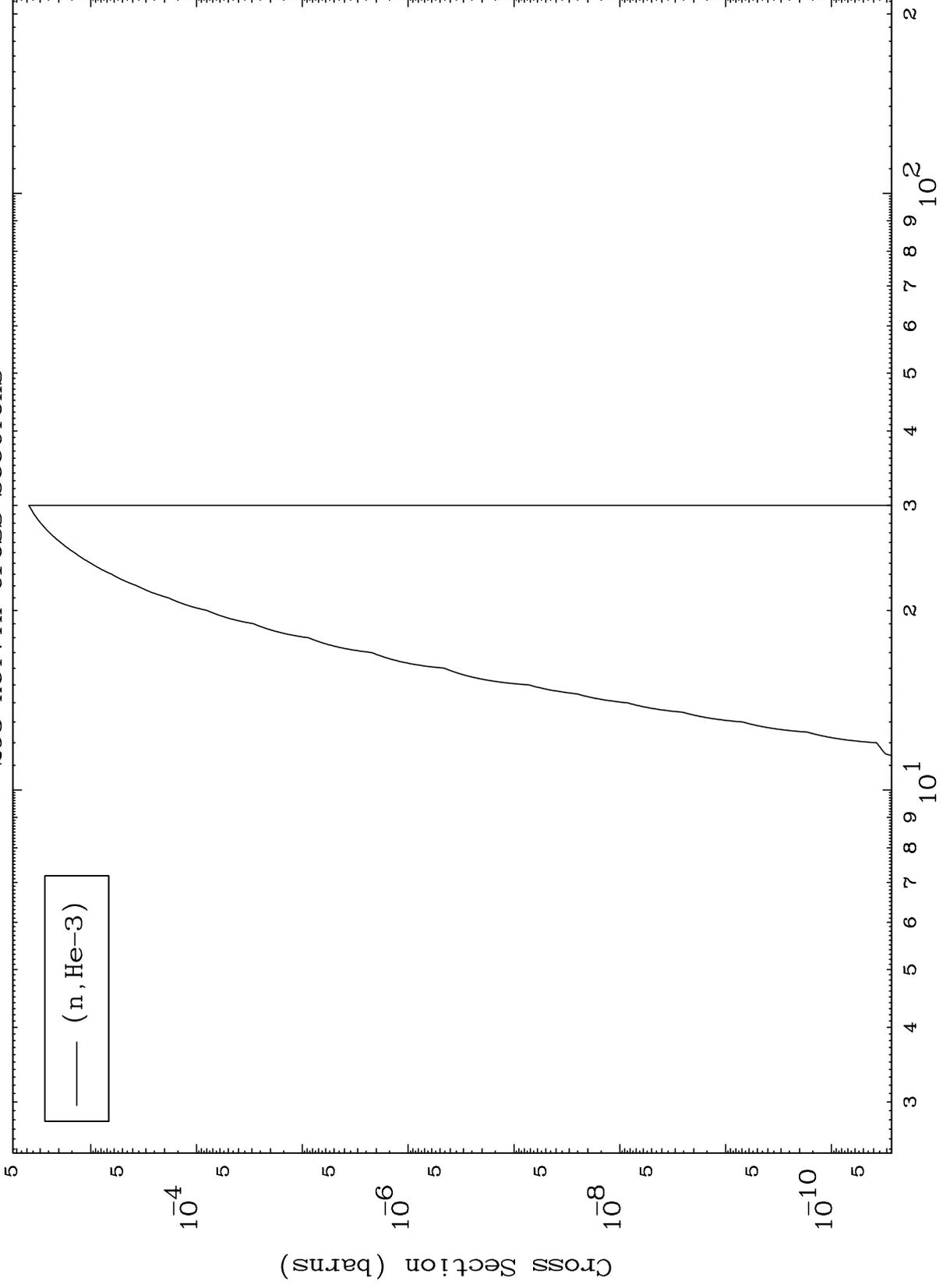
Incident Energy (MeV)

58-Ce-133

MAT 5816

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-133



13

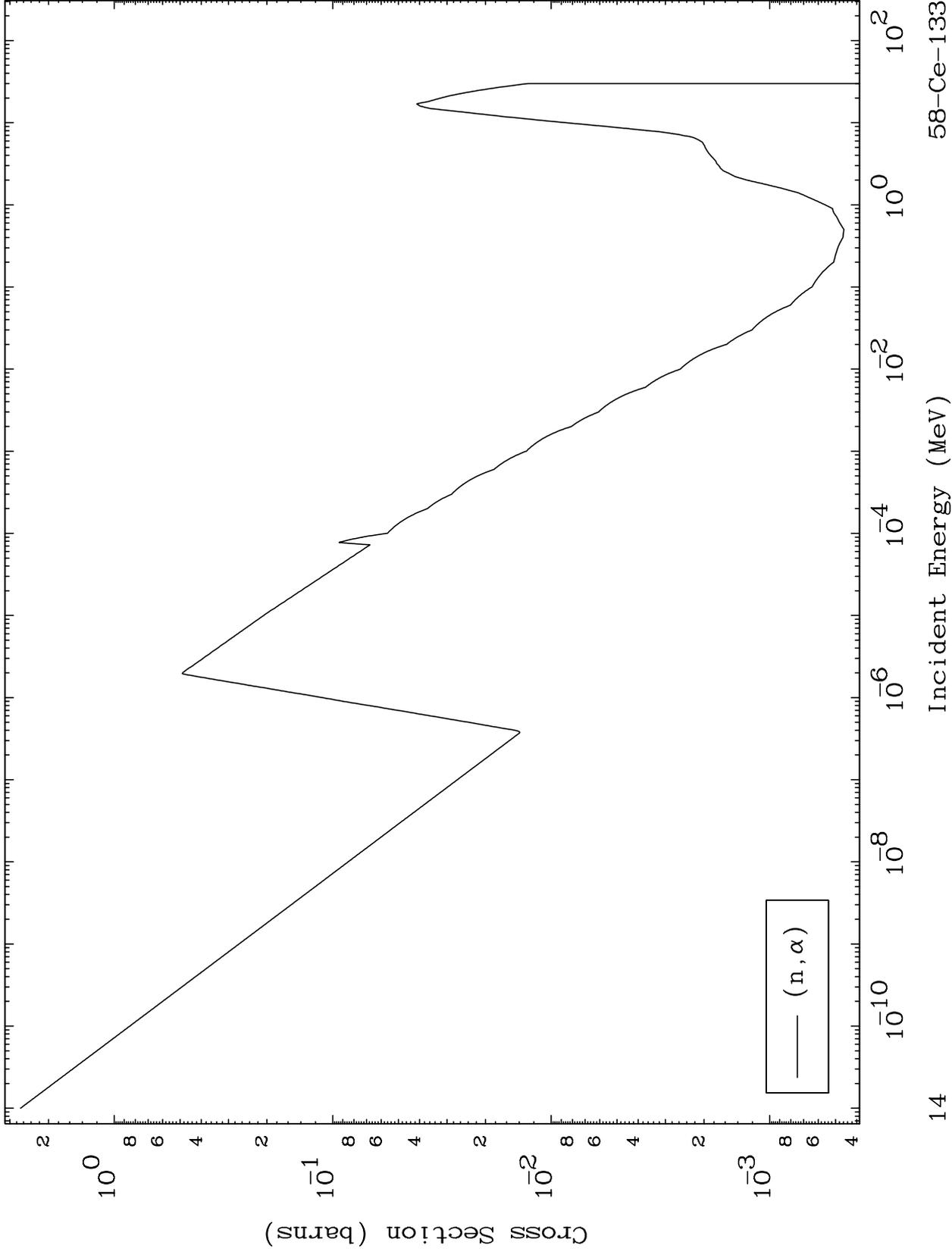
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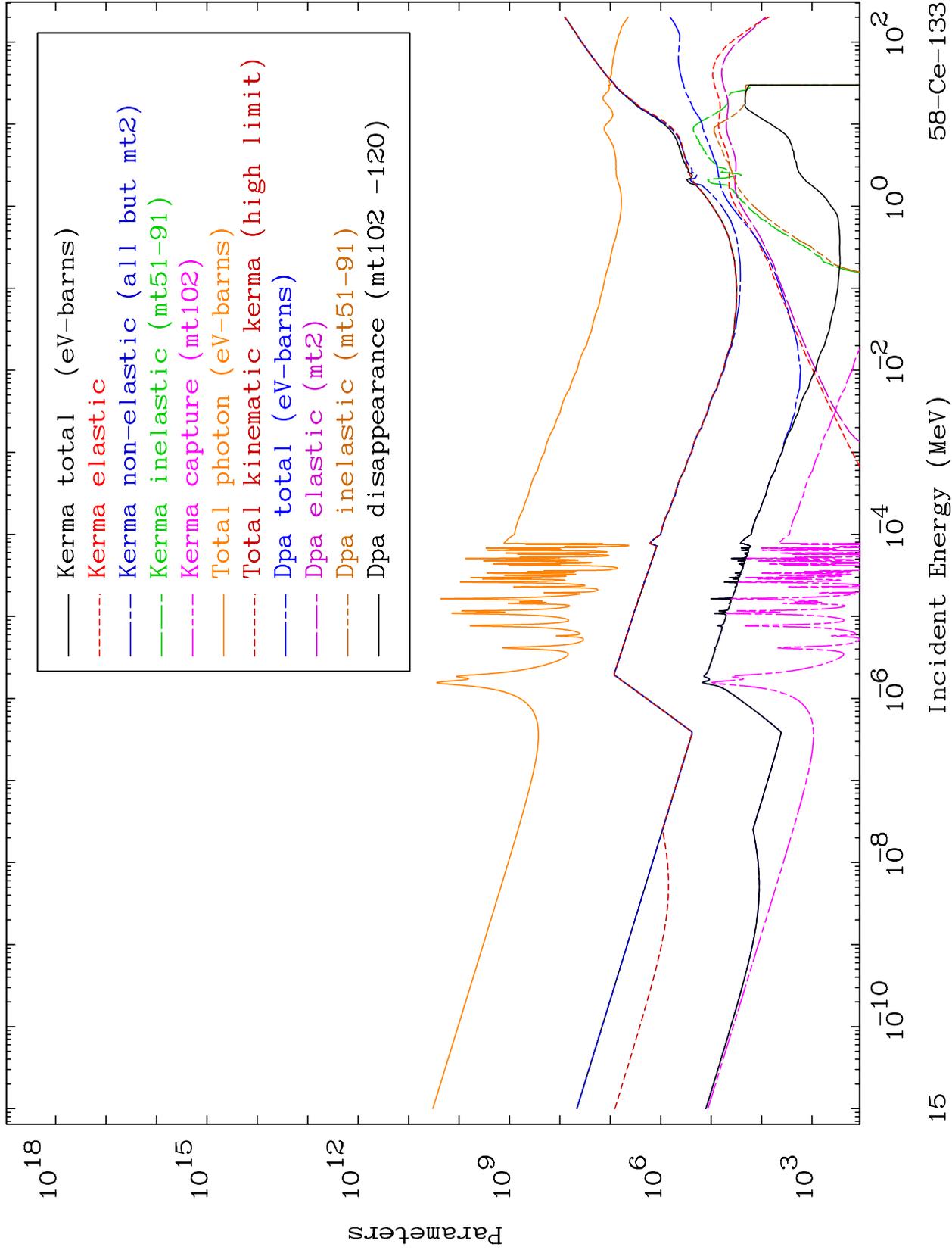
58-Ce-133

MAT 5816

(n, α) Levels
293 Kelvin Cross Sections

58-Ce-133

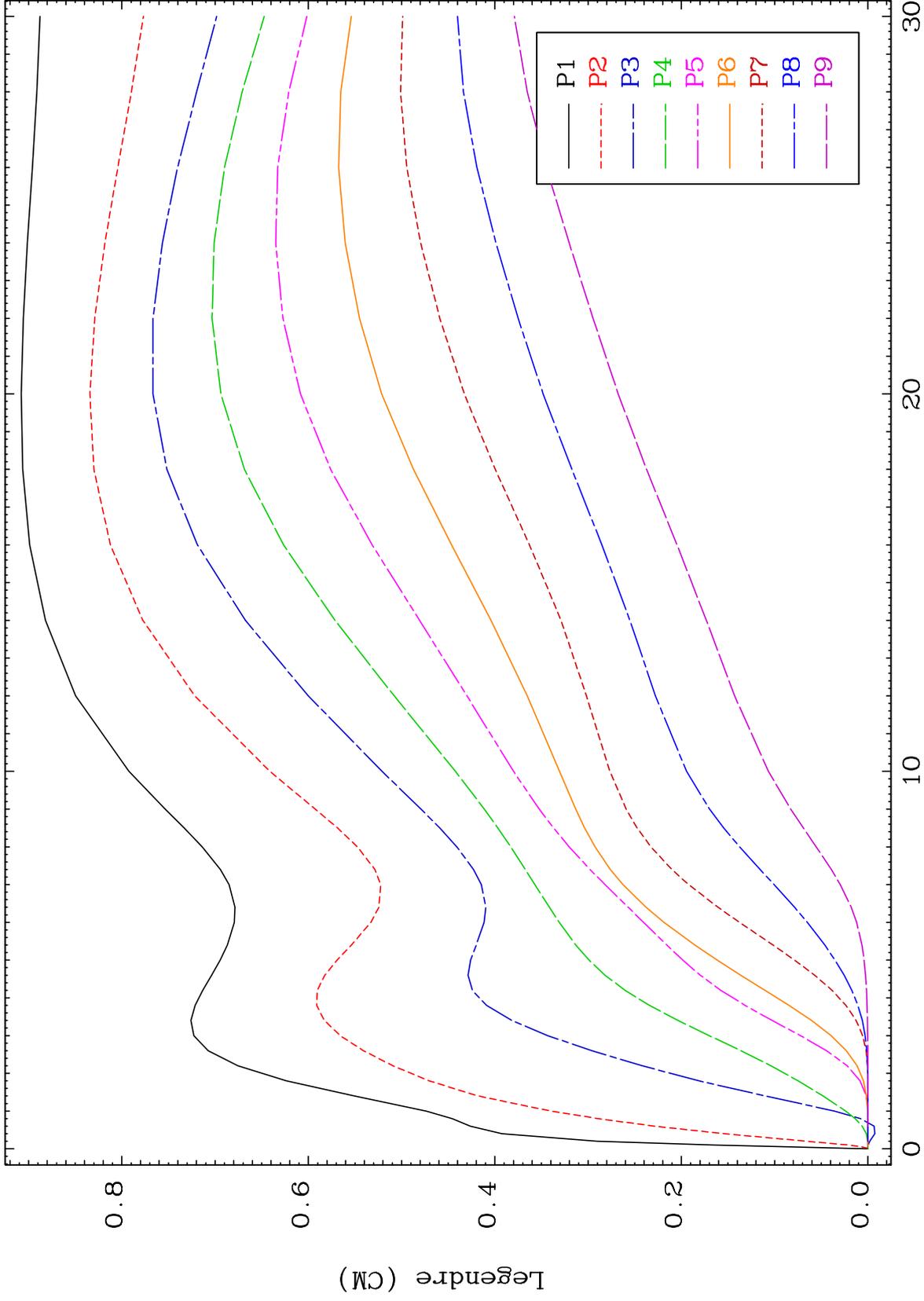




MAT 5816

Elastic Legendre Coefficients

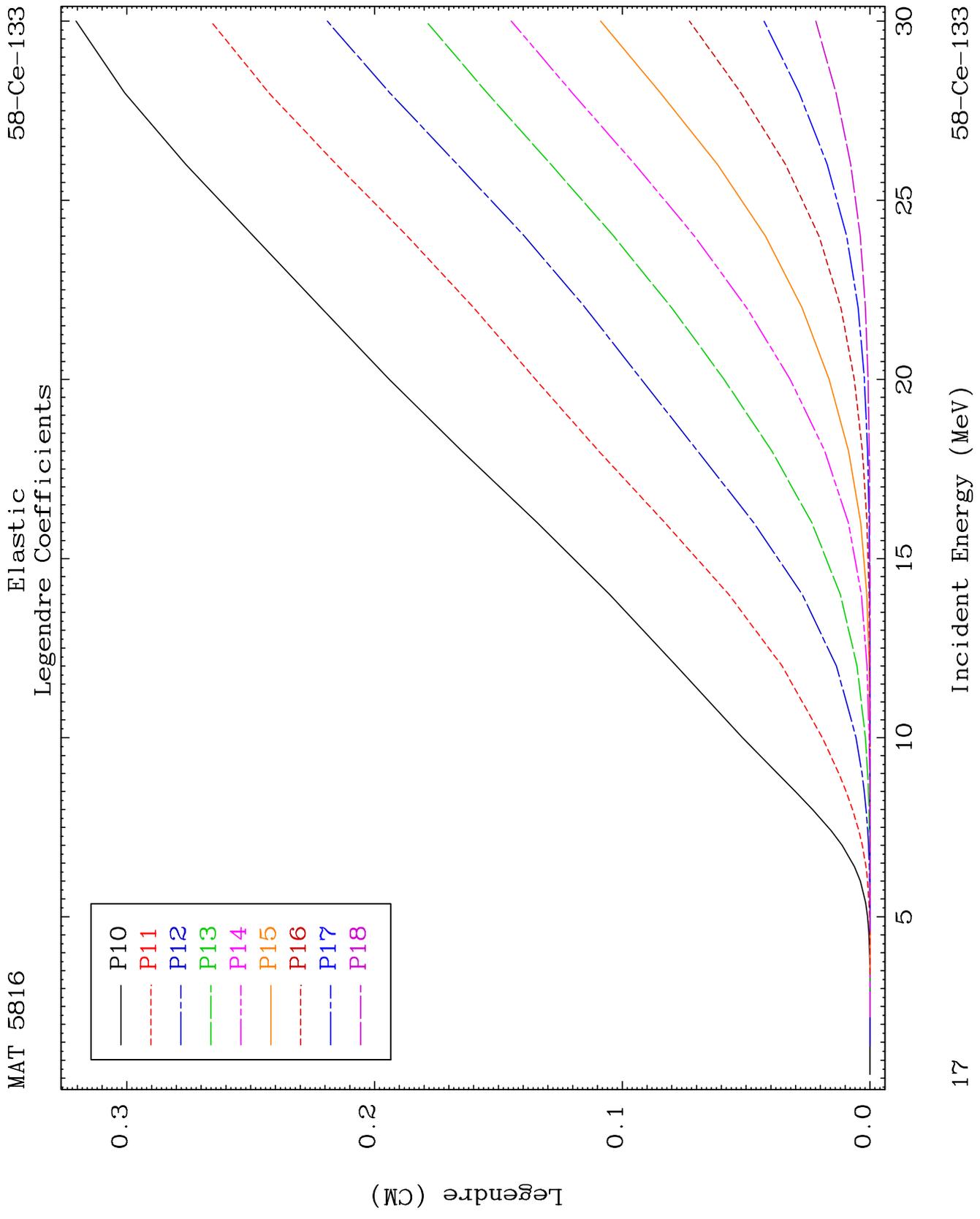
58-Ce-133



16

Incident Energy (MeV)

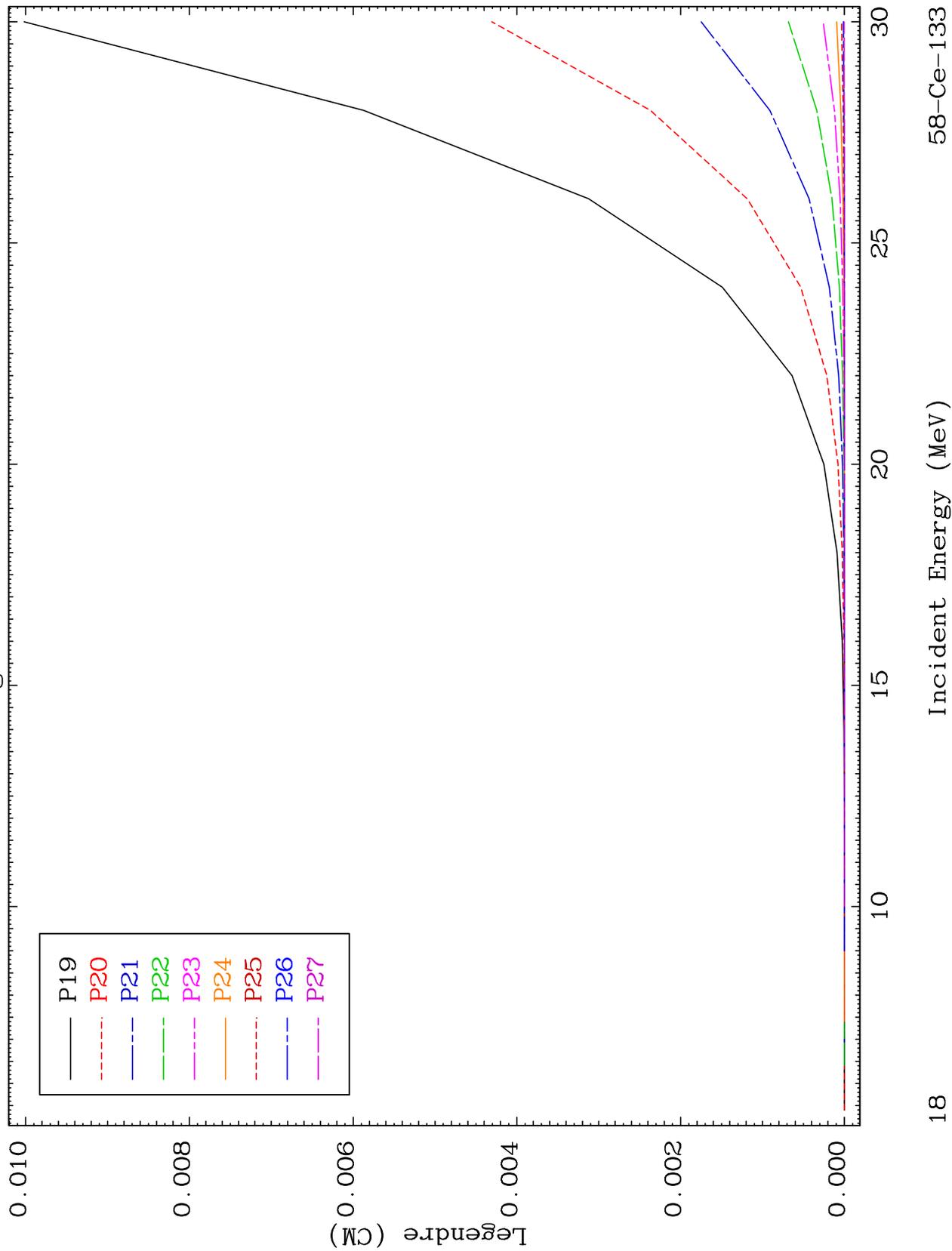
58-Ce-133



MAT 5816

Elastic Legendre Coefficients

58-Ce-133



18

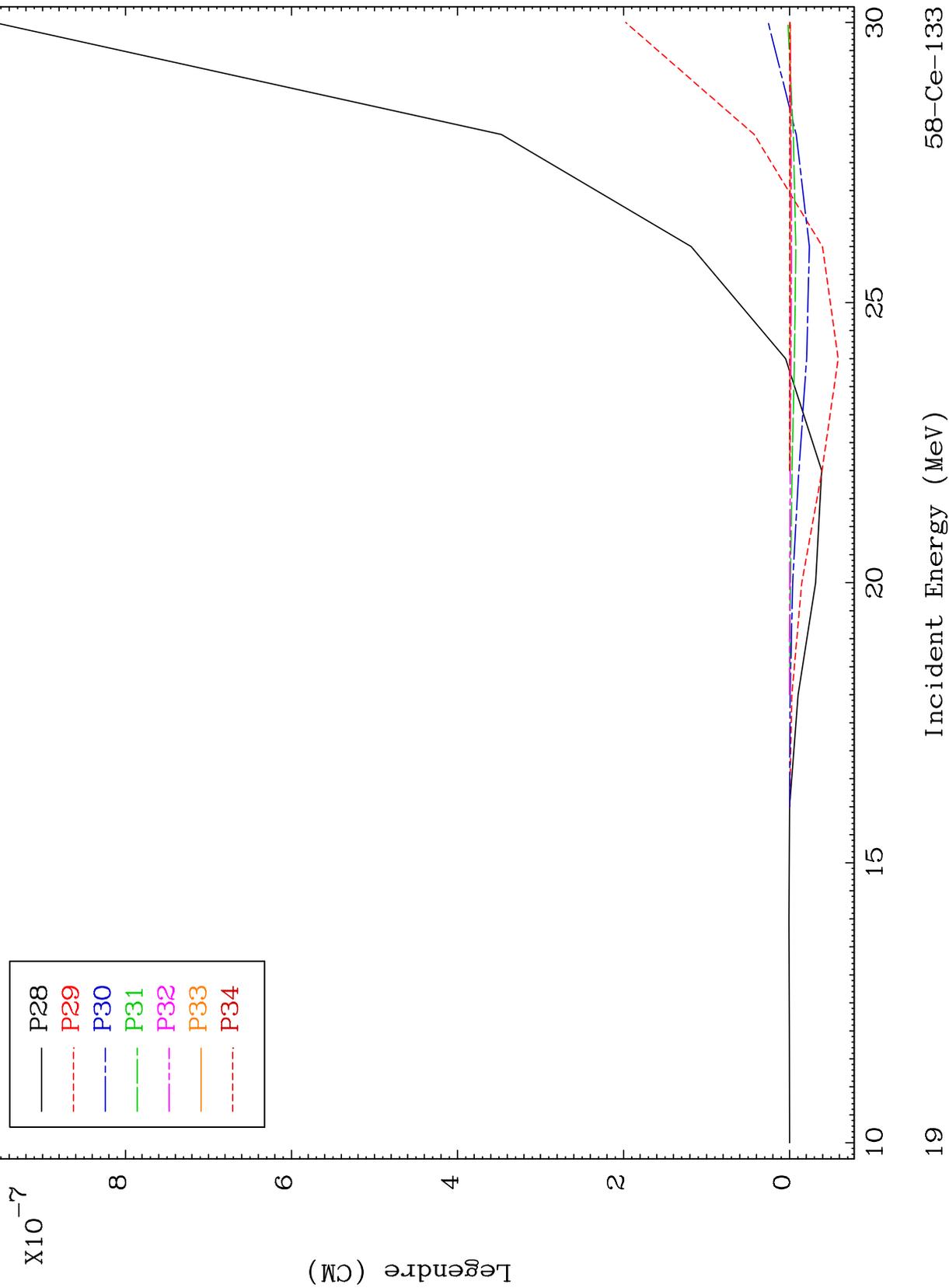
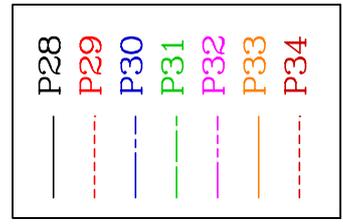
Incident Energy (MeV)

58-Ce-133

MAT 5816

Elastic Legendre Coefficients

58-Ce-133



19

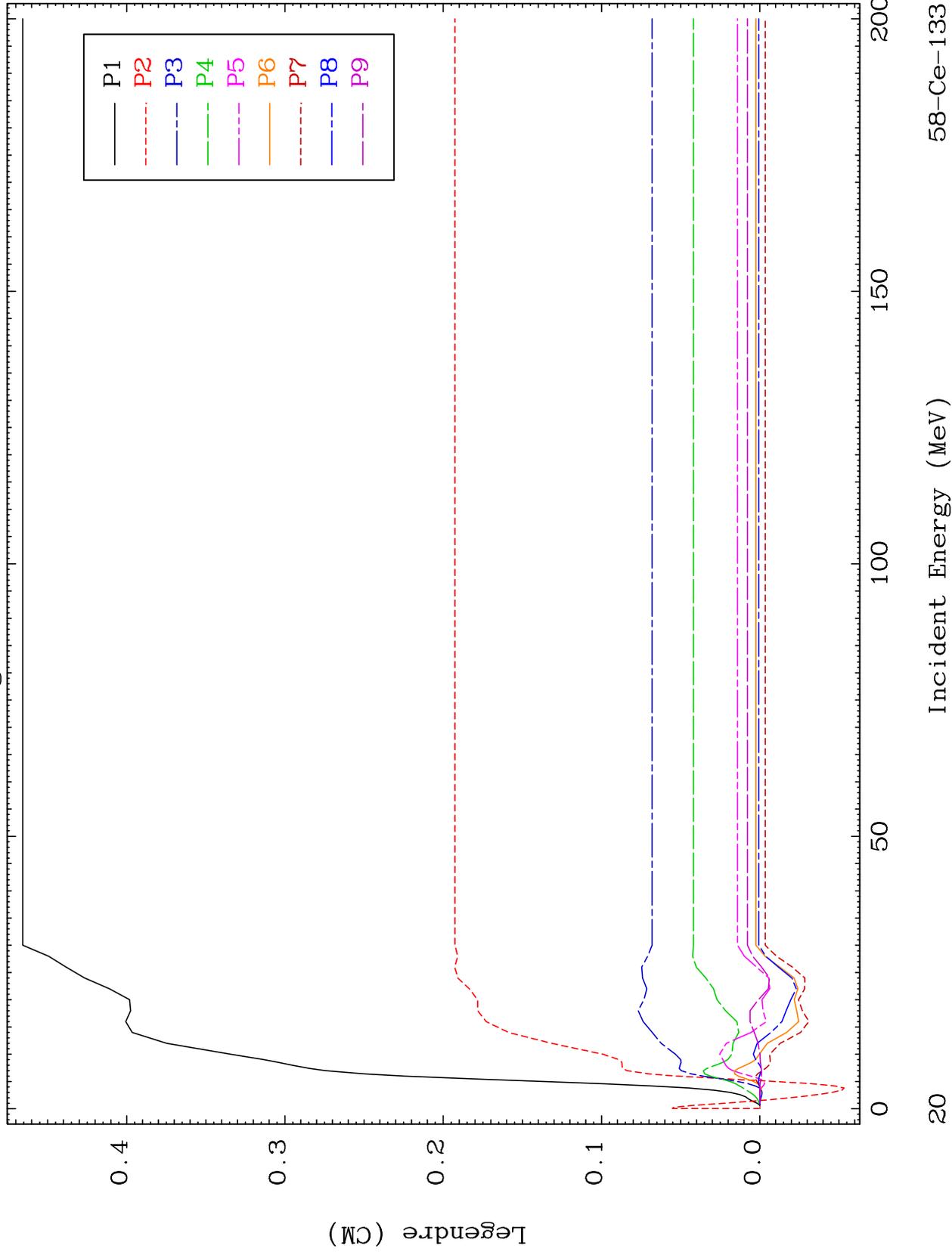
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



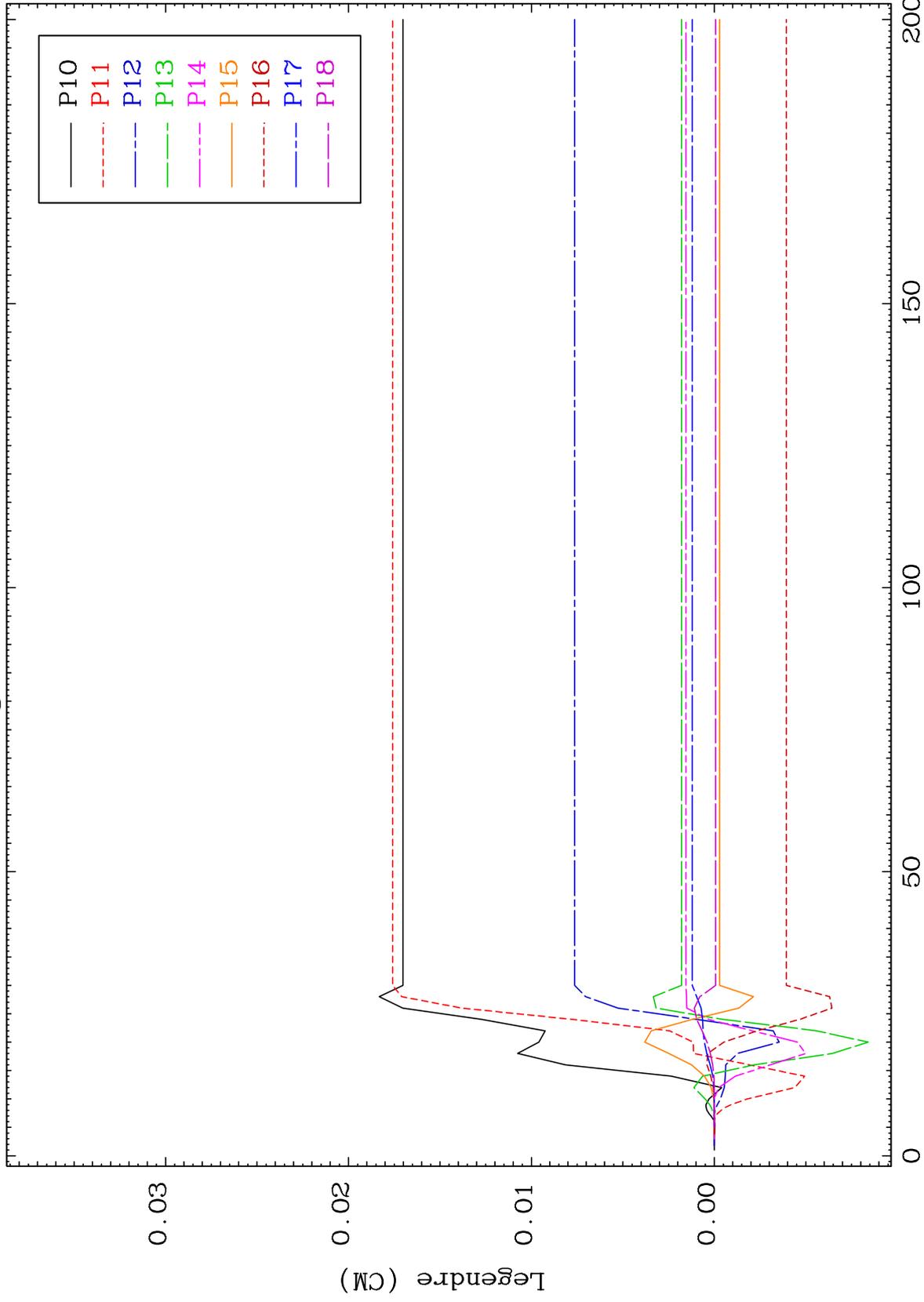
58-Ce-133

Incident Energy (MeV)

MAT 5816

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

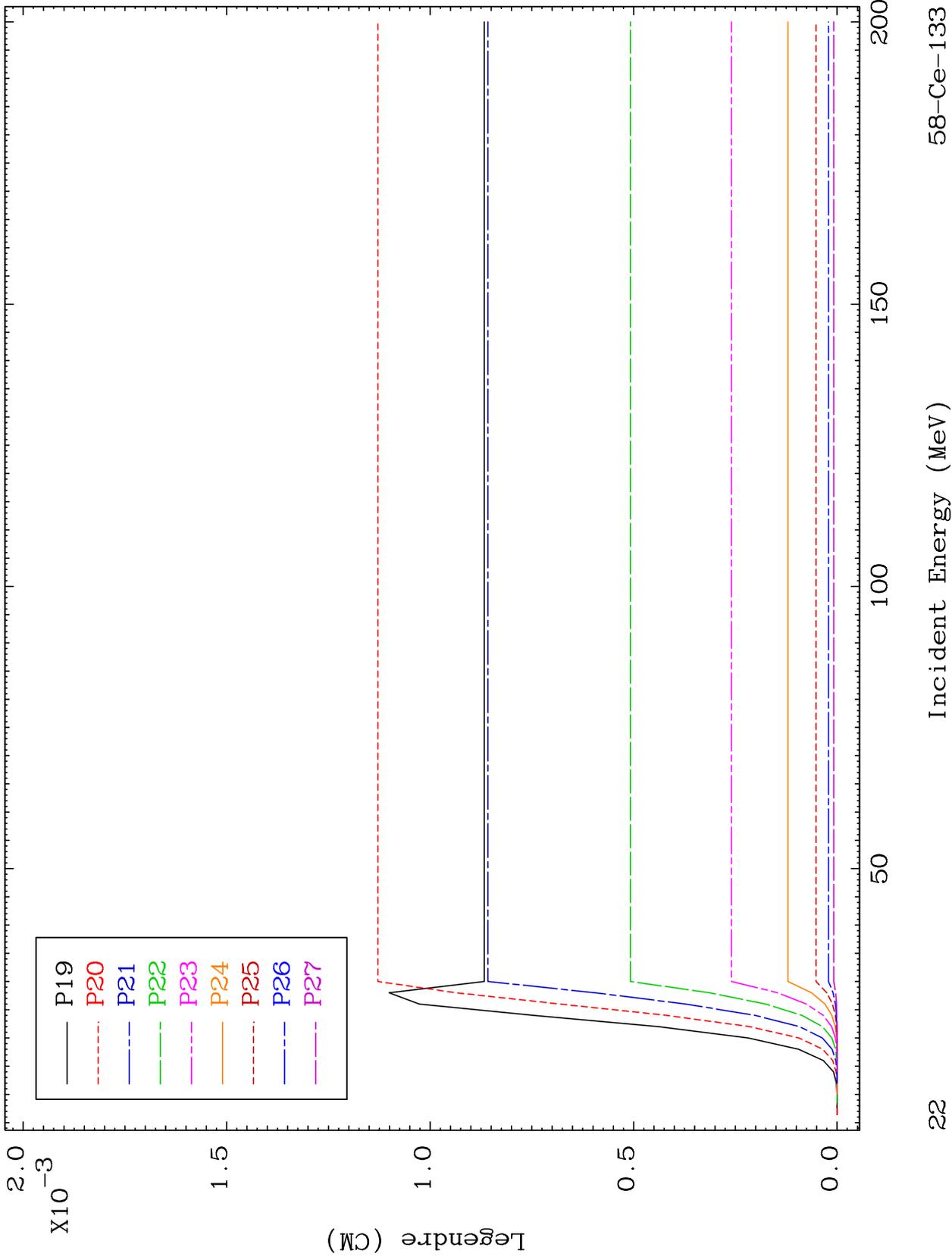
58-Ce-133



21

Incident Energy (MeV)

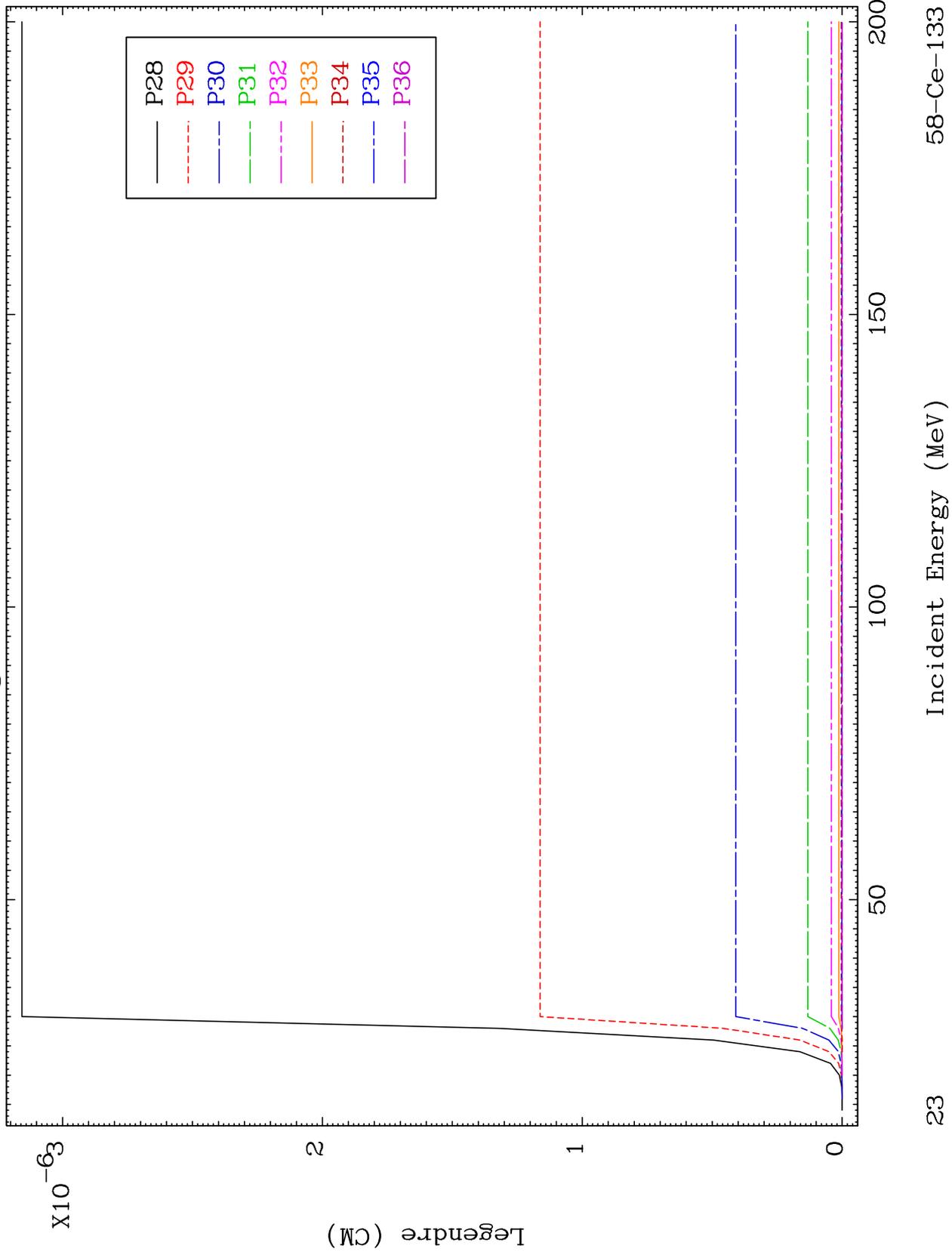
58-Ce-133



MAT 5816

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

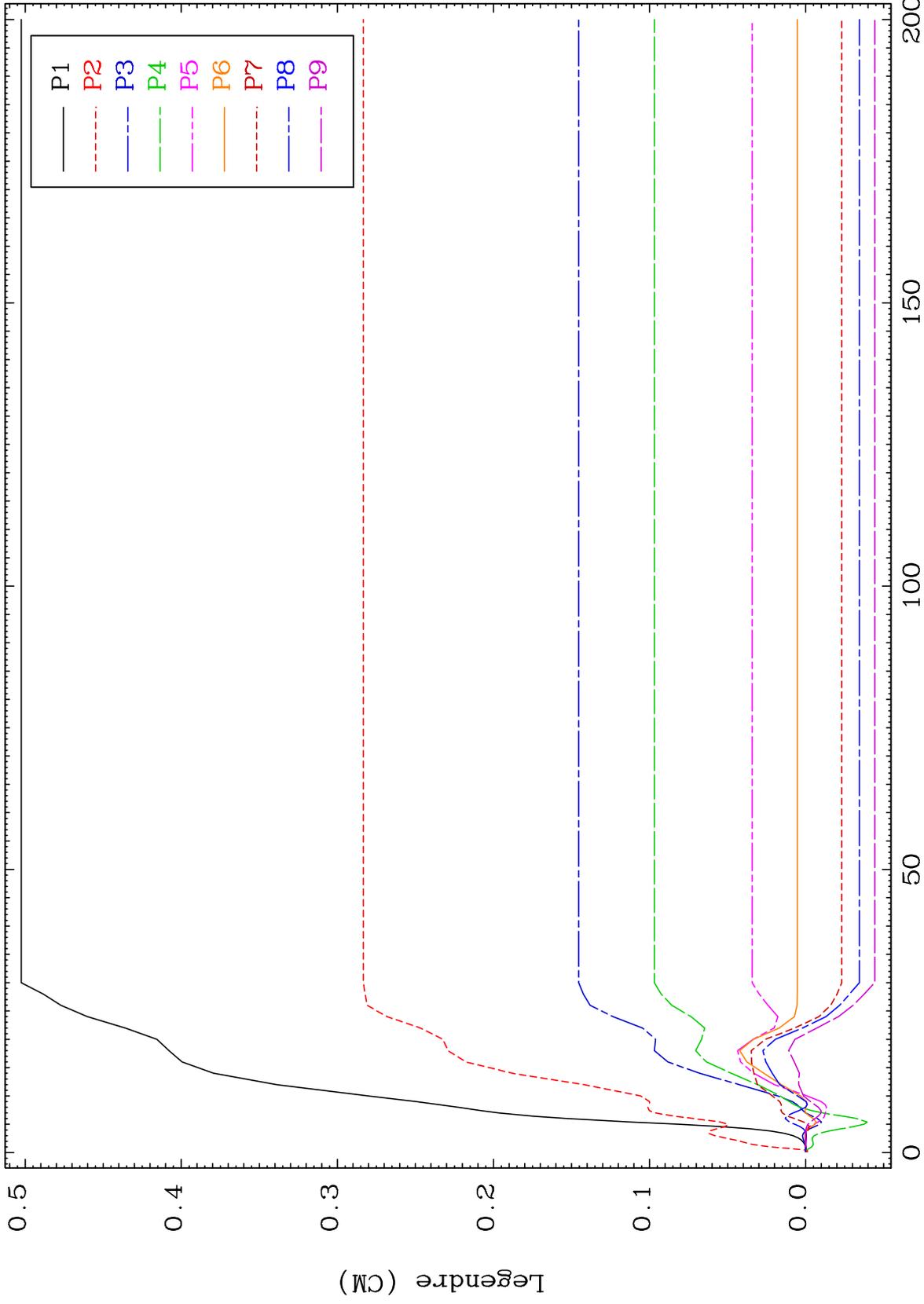
58-Ce-133



MAT 5816

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

58-Ce-133



58-Ce-133

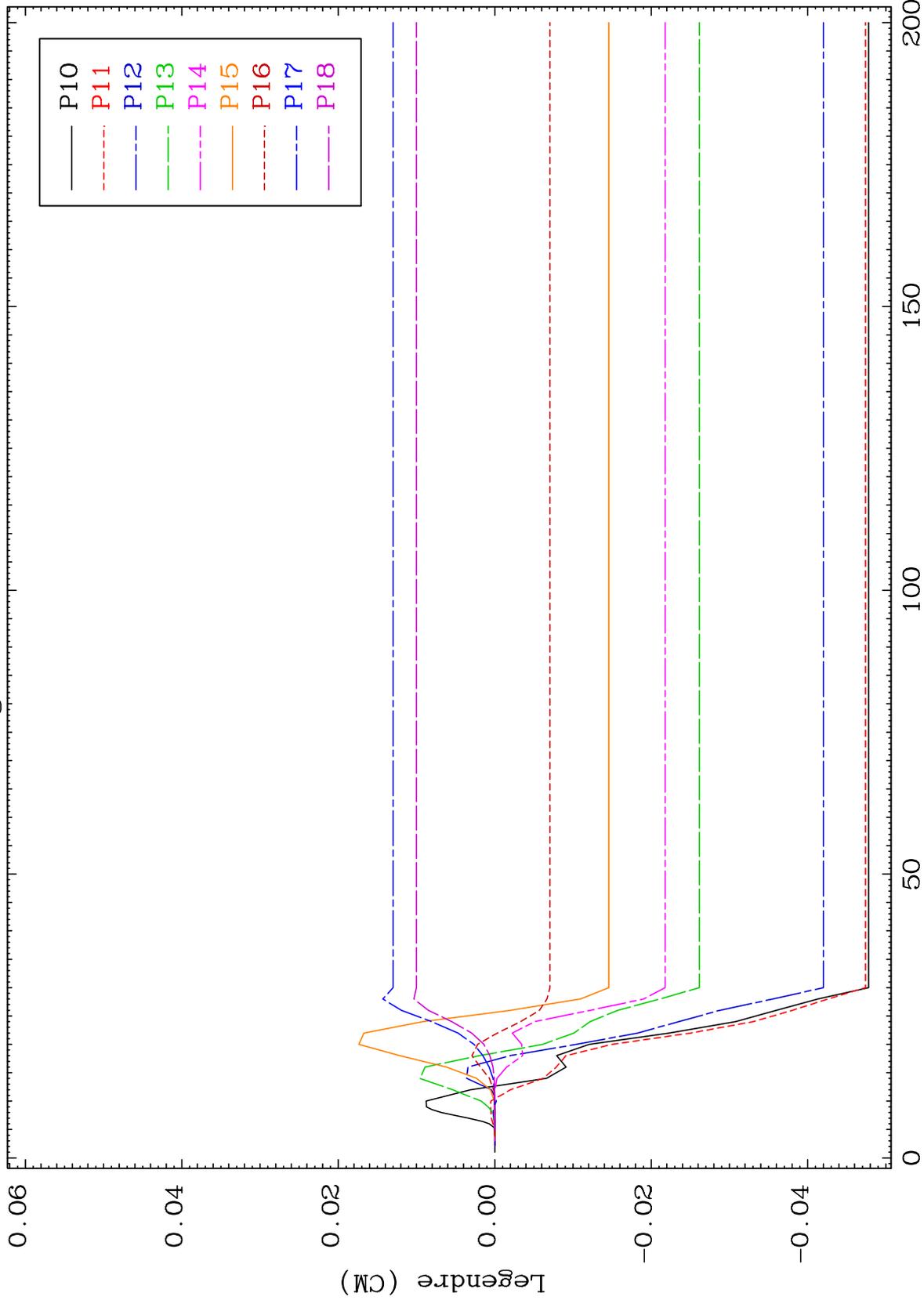
Incident Energy (MeV)

24

MAT 5816

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

58-Ce-133



25

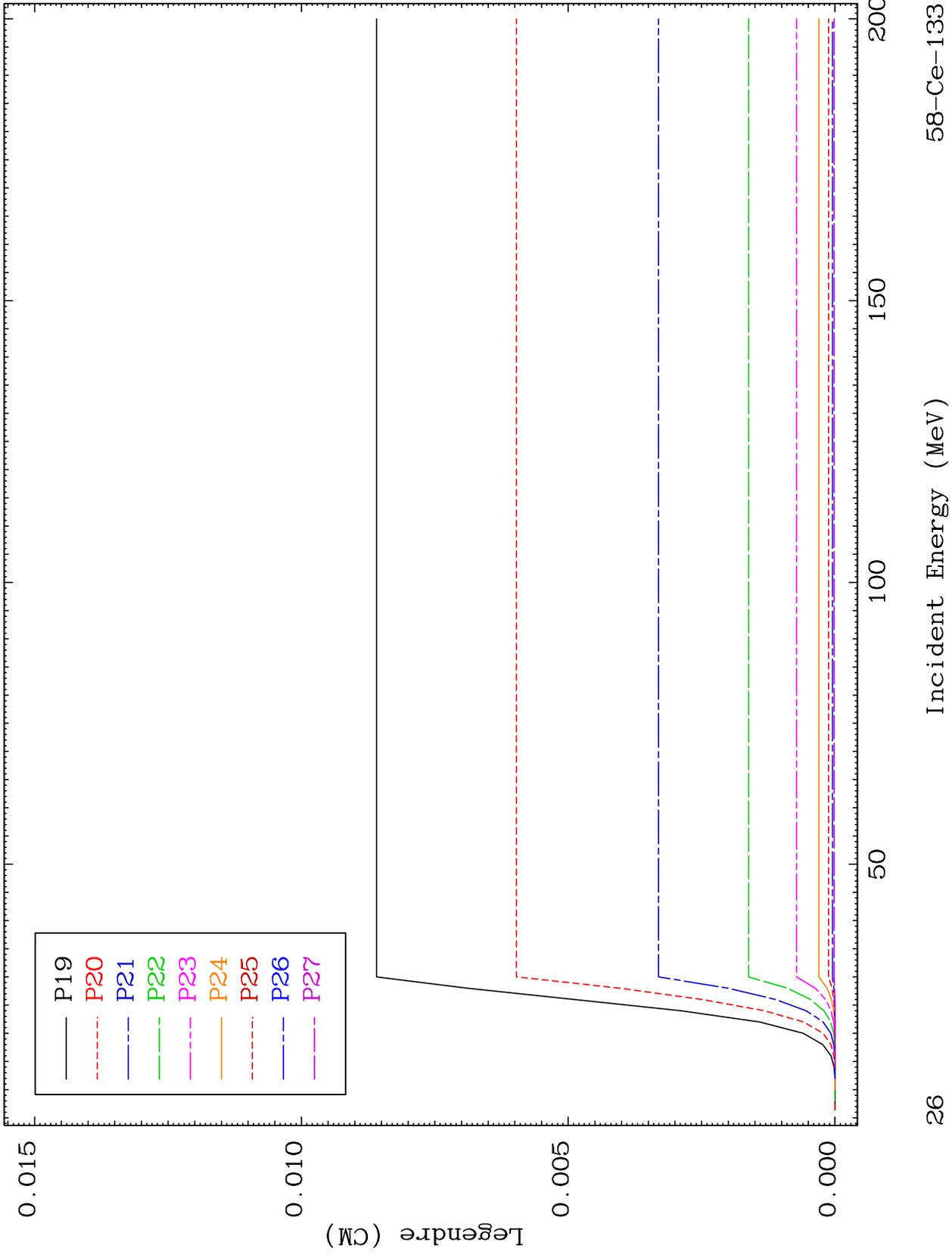
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



26

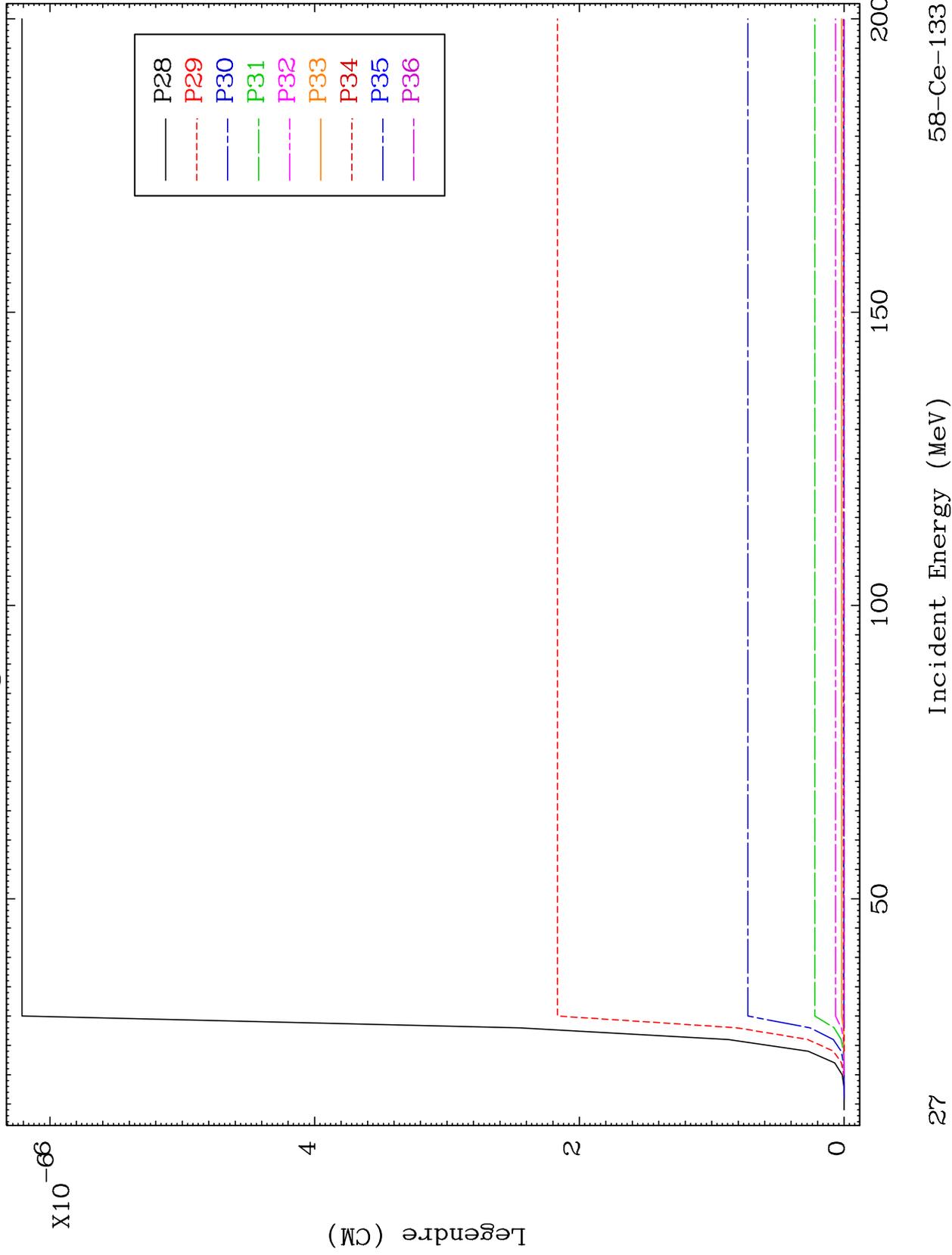
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

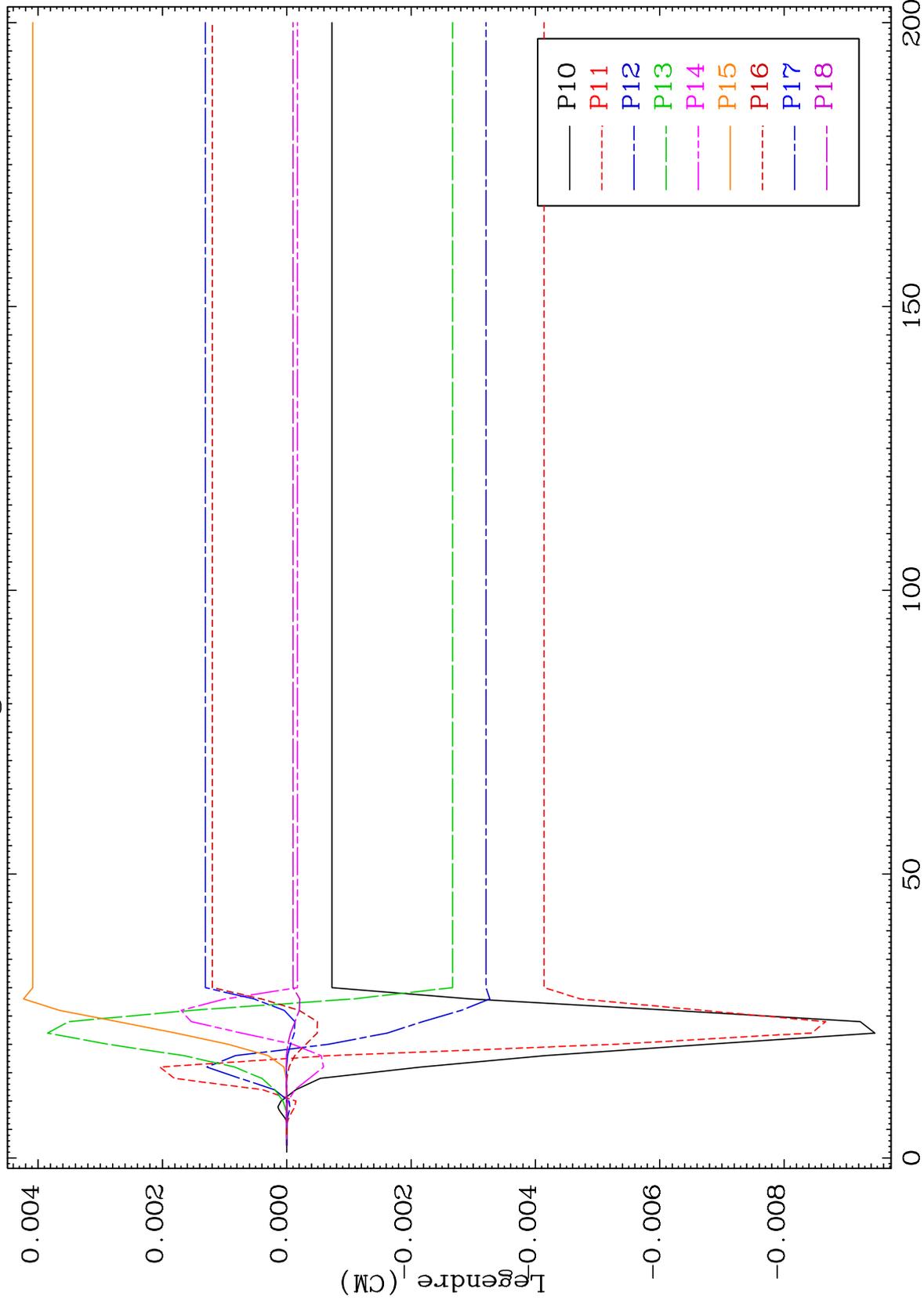
58-Ce-133



MAT 5816

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

58-Ce-133



29

Incident Energy (MeV)

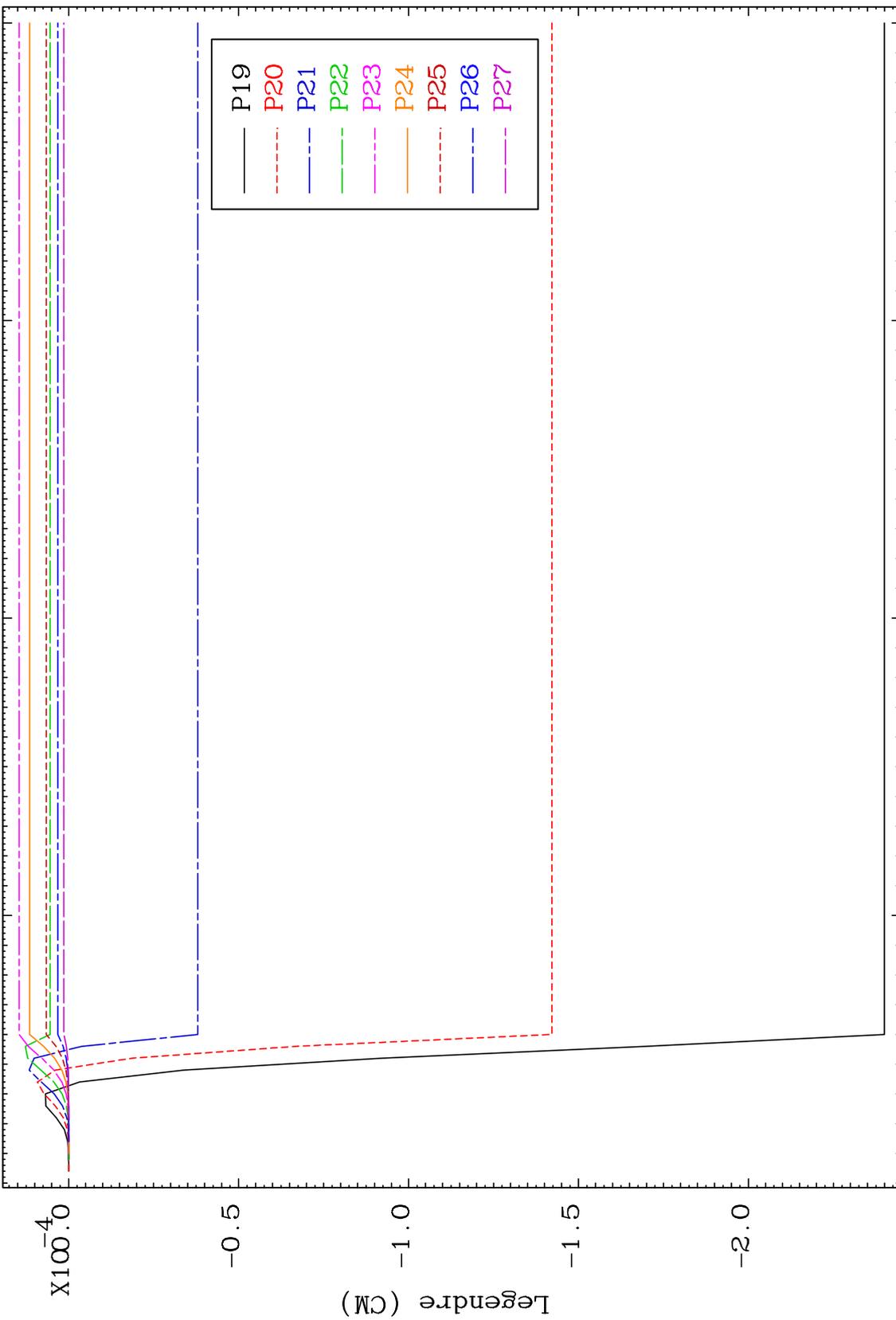
58-Ce-133

MAT 5816

MT= 53 (n,n') Level

58-Ce-133

Legendre Coefficients



58-Ce-133

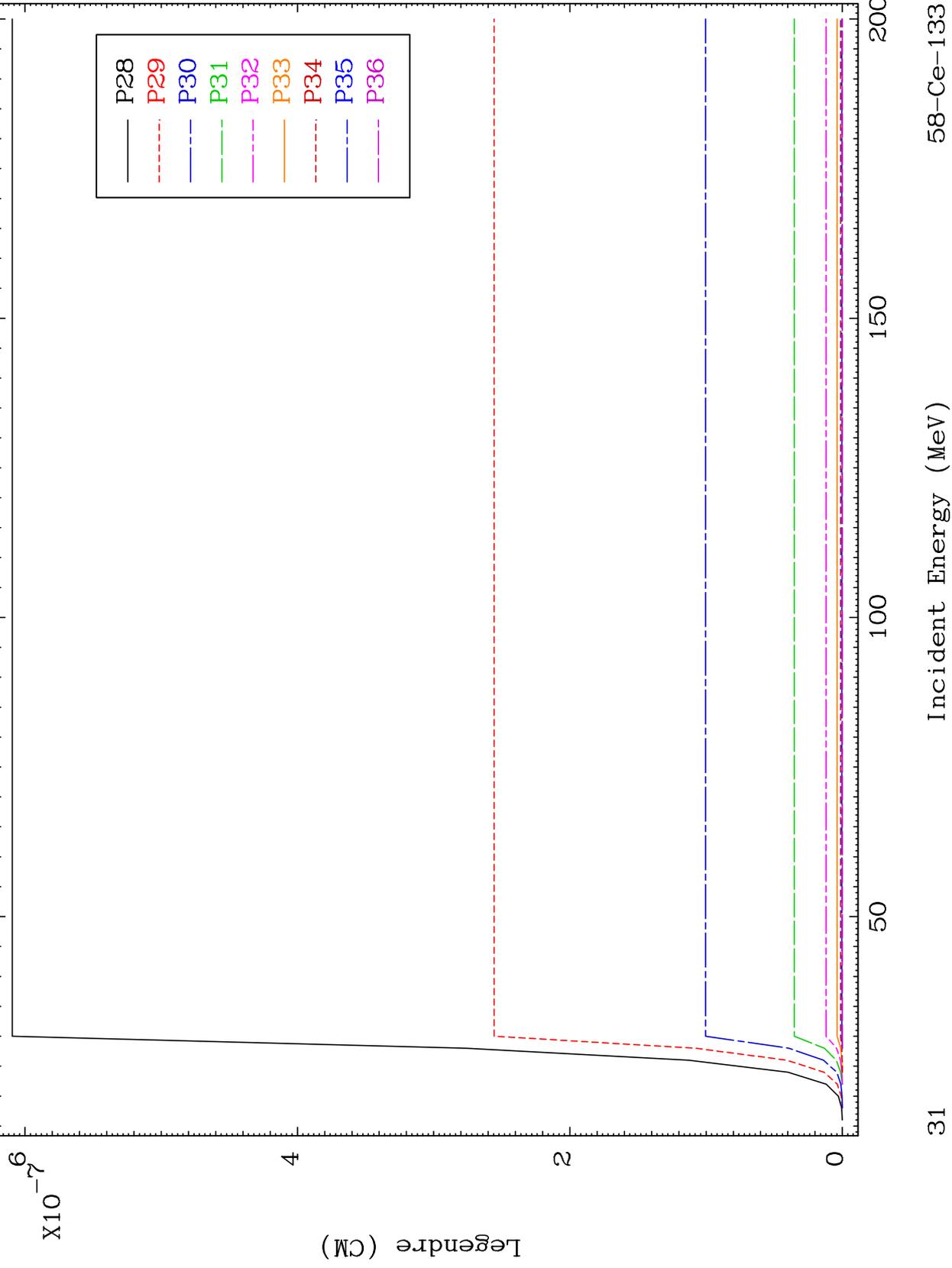
Incident Energy (MeV)

30

MAT 5816

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

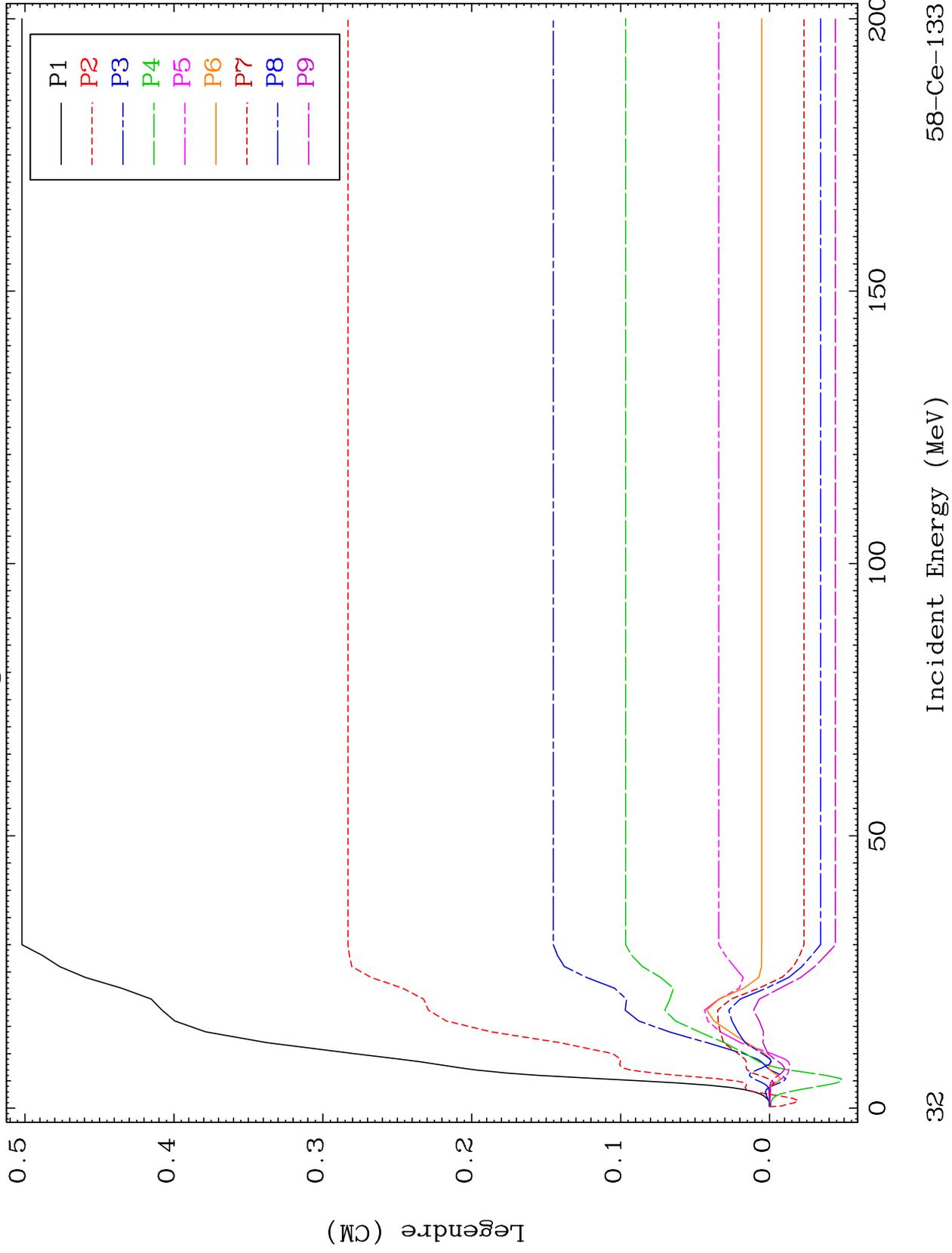
58-Ce-133



MAT 5816

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

58-Ce-133



58-Ce-133

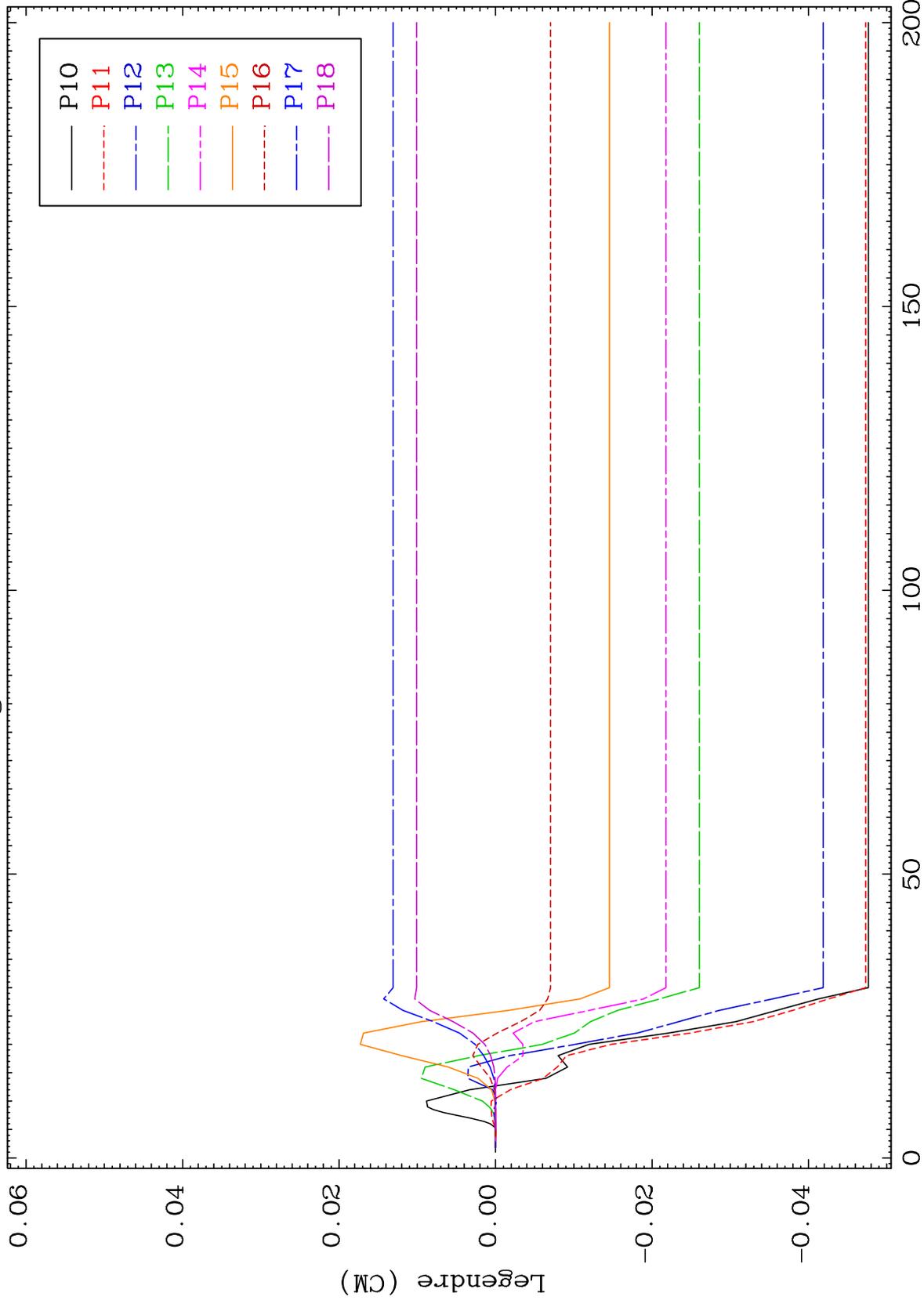
Incident Energy (MeV)

32

MAT 5816

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

58-Ce-133



33

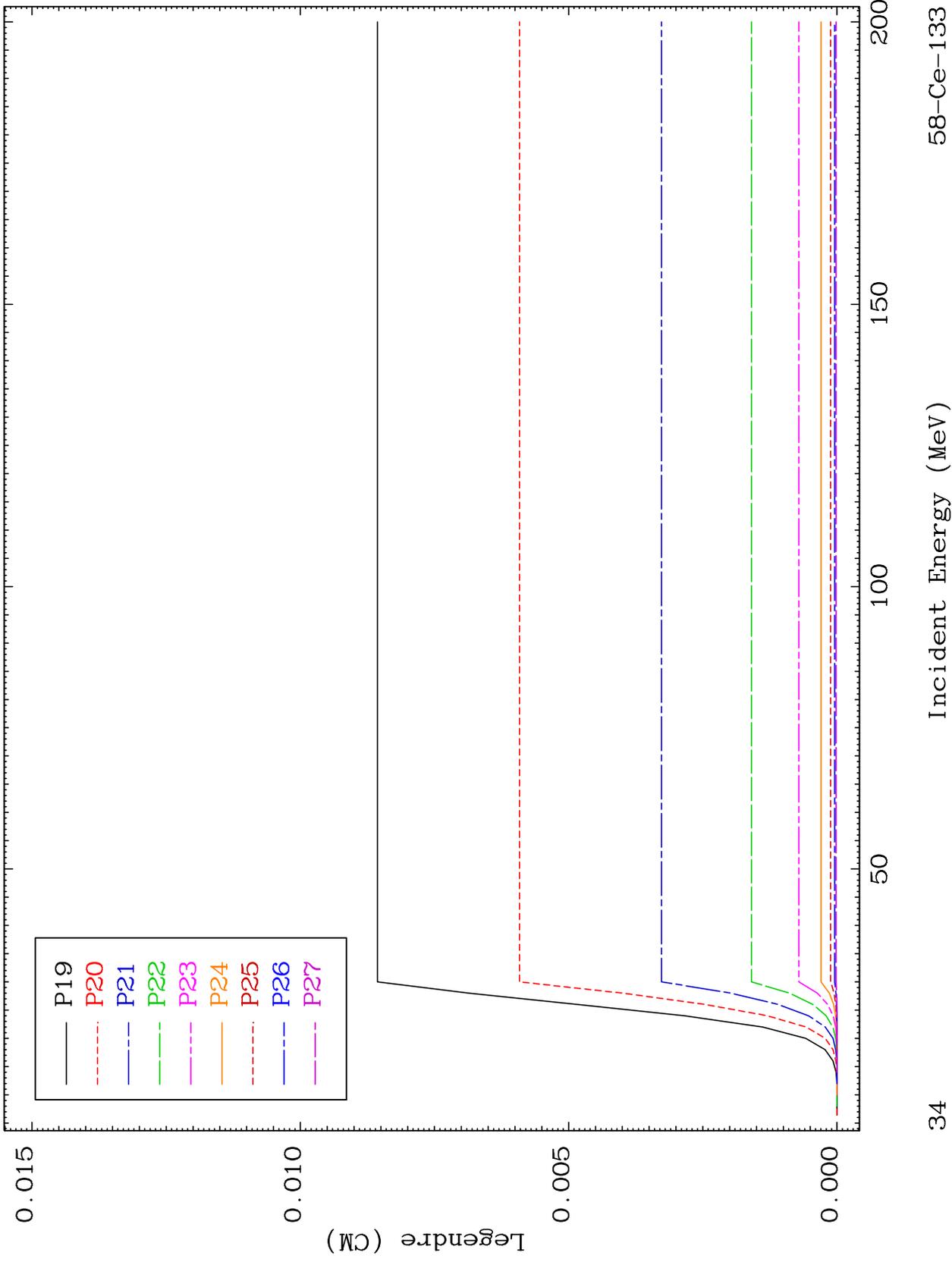
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



34

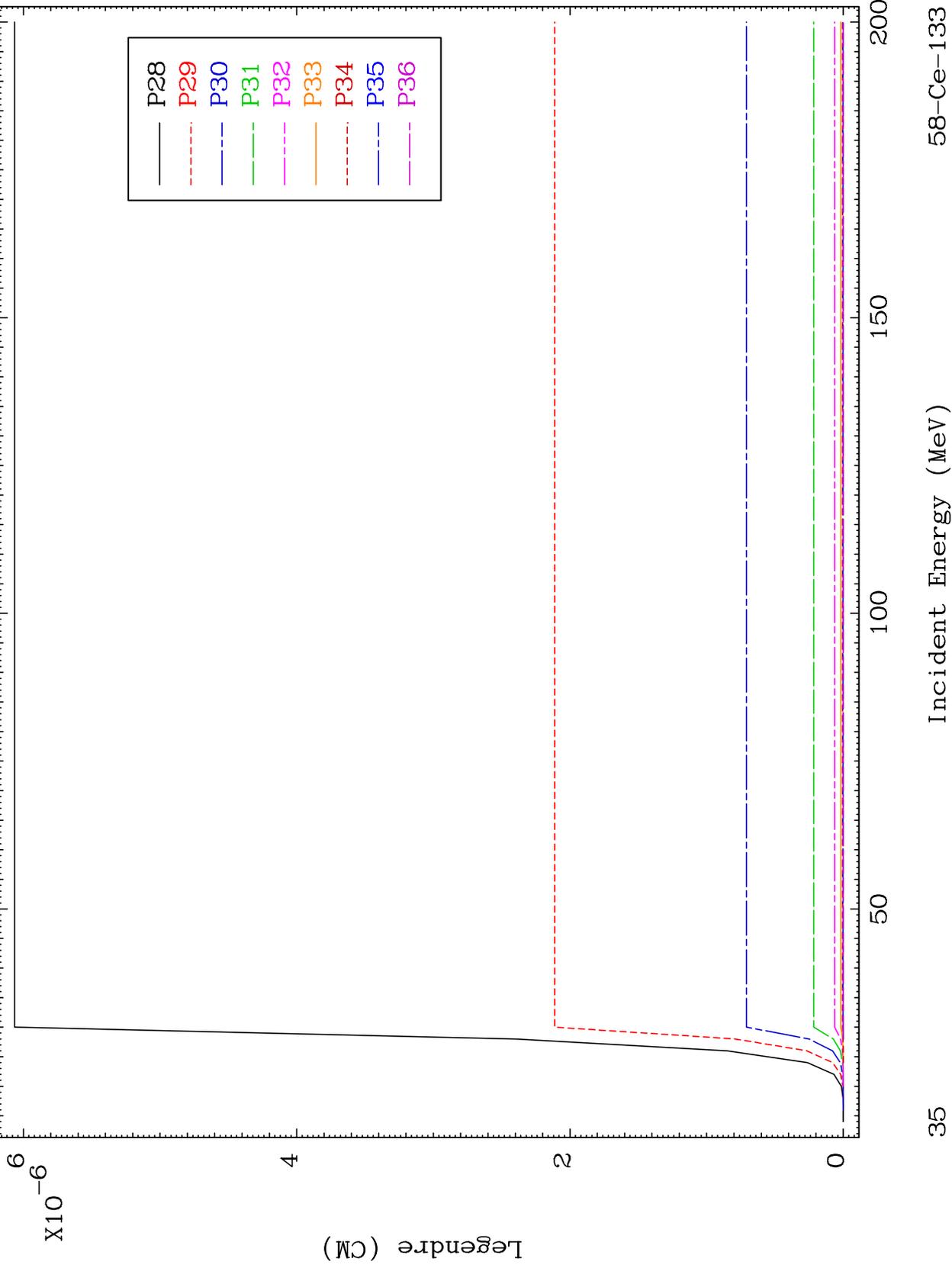
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



35

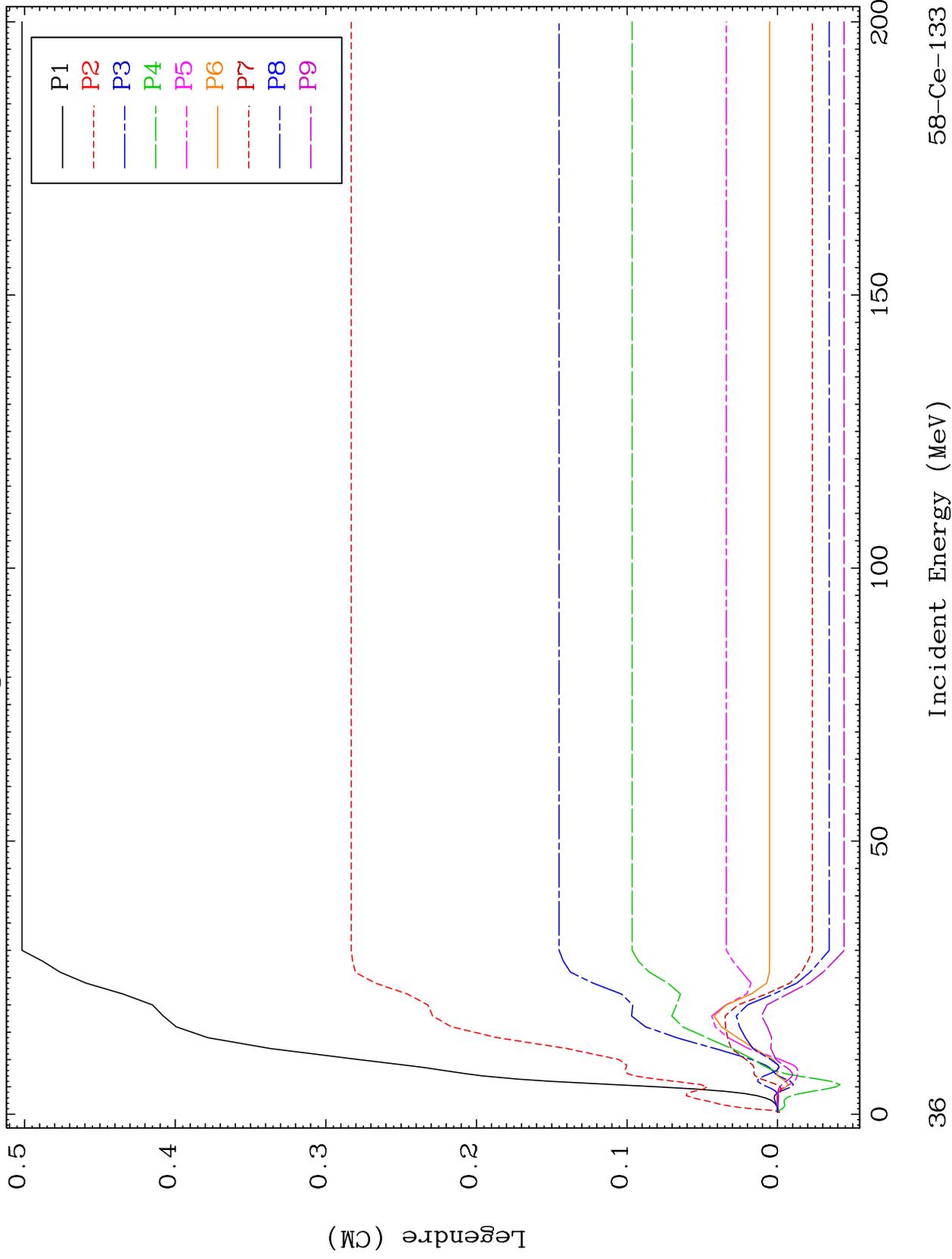
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



58-Ce-133

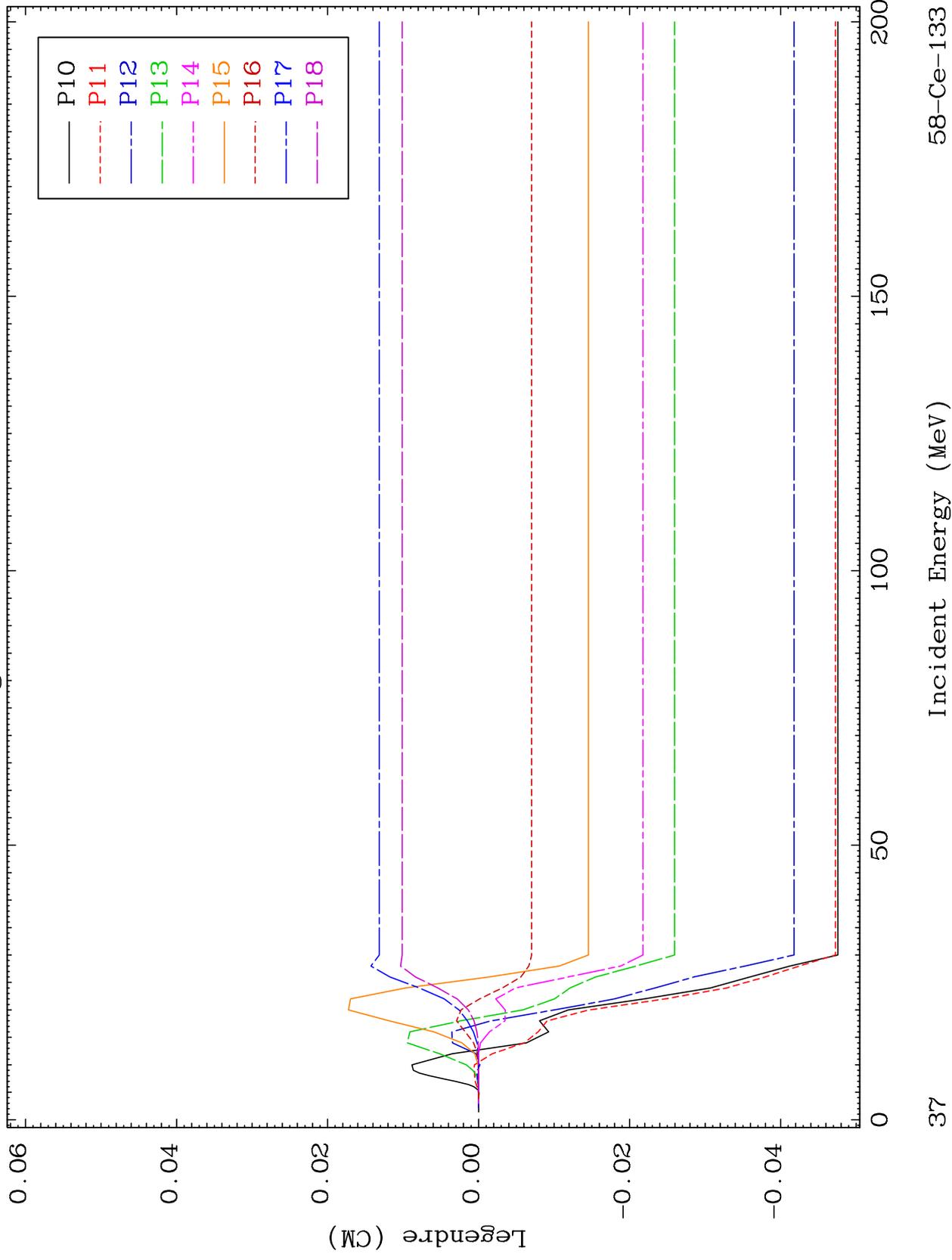
Incident Energy (MeV)

36

MAT 5816

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

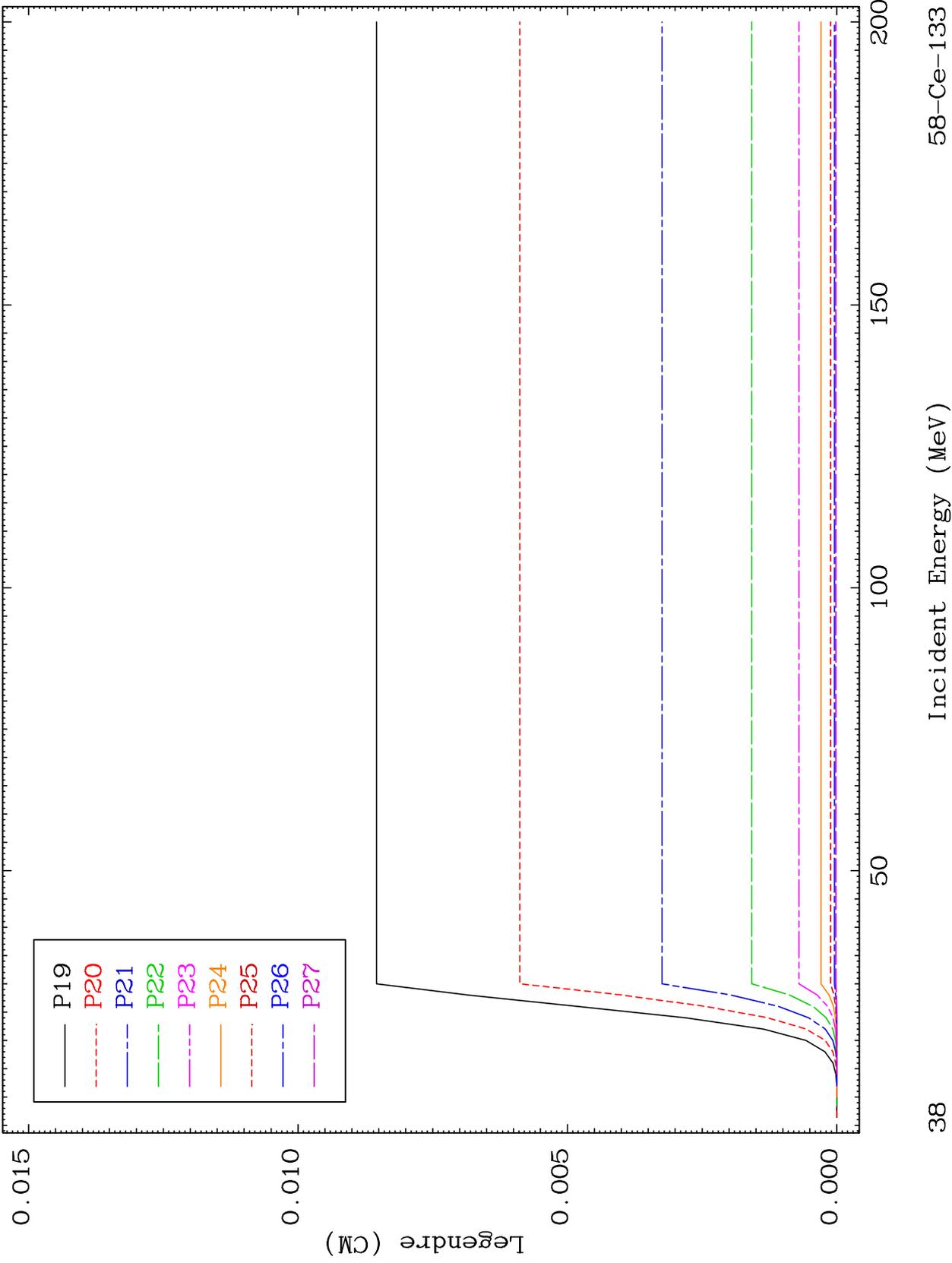
58-Ce-133



MAT 5816

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

58-Ce-133



38

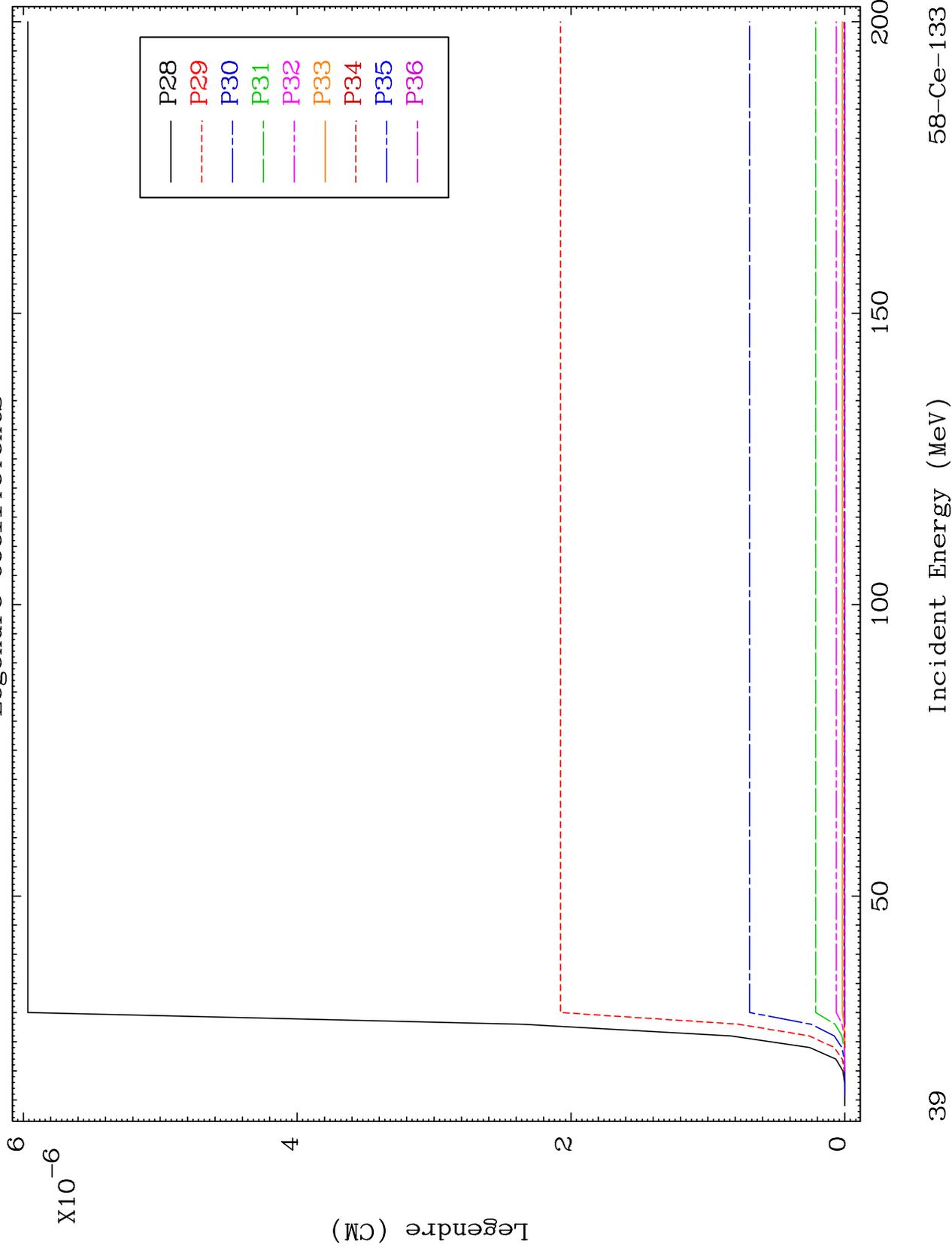
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



39

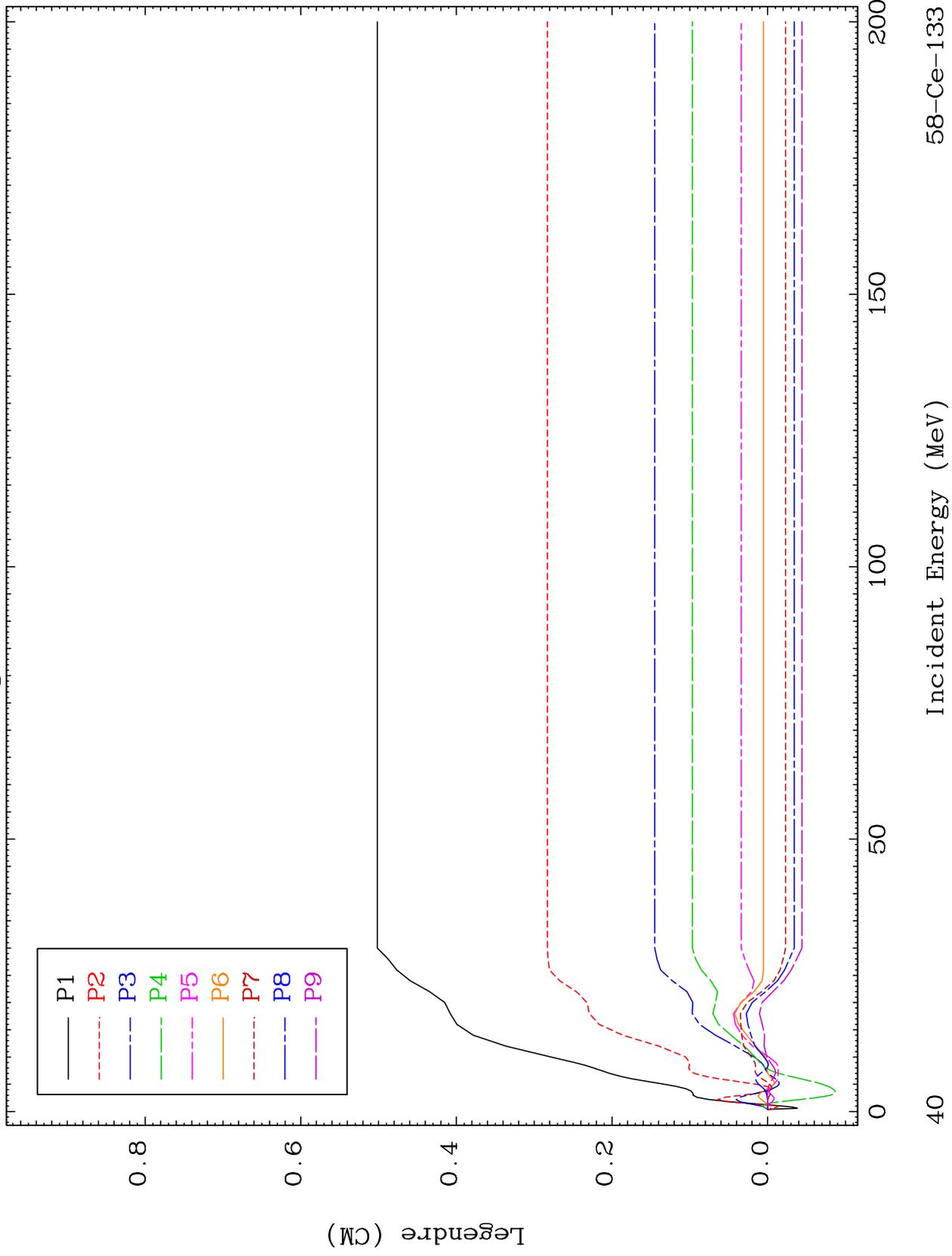
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



58-Ce-133

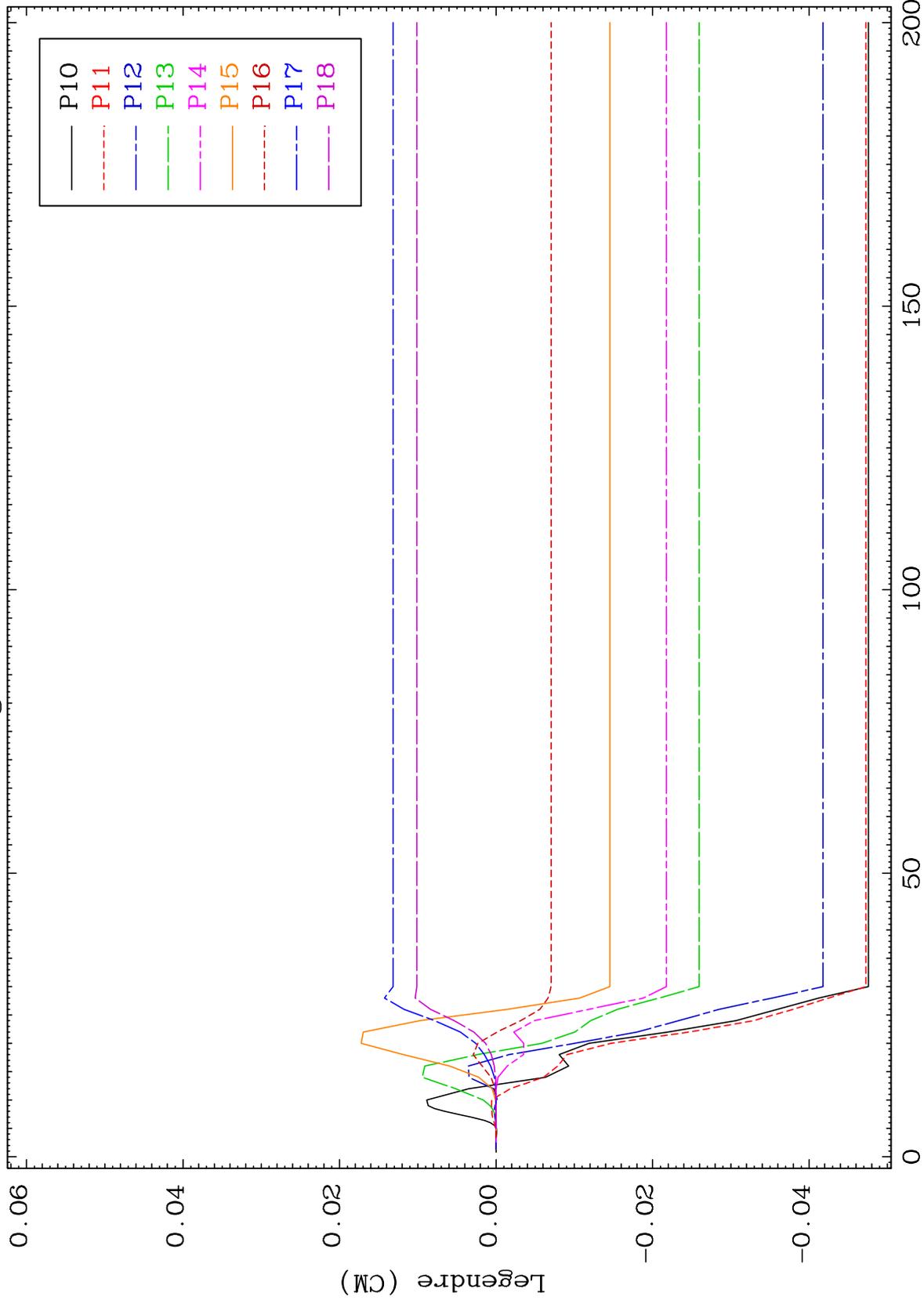
Incident Energy (MeV)

40

MAT 5816

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

58-Ce-133



41

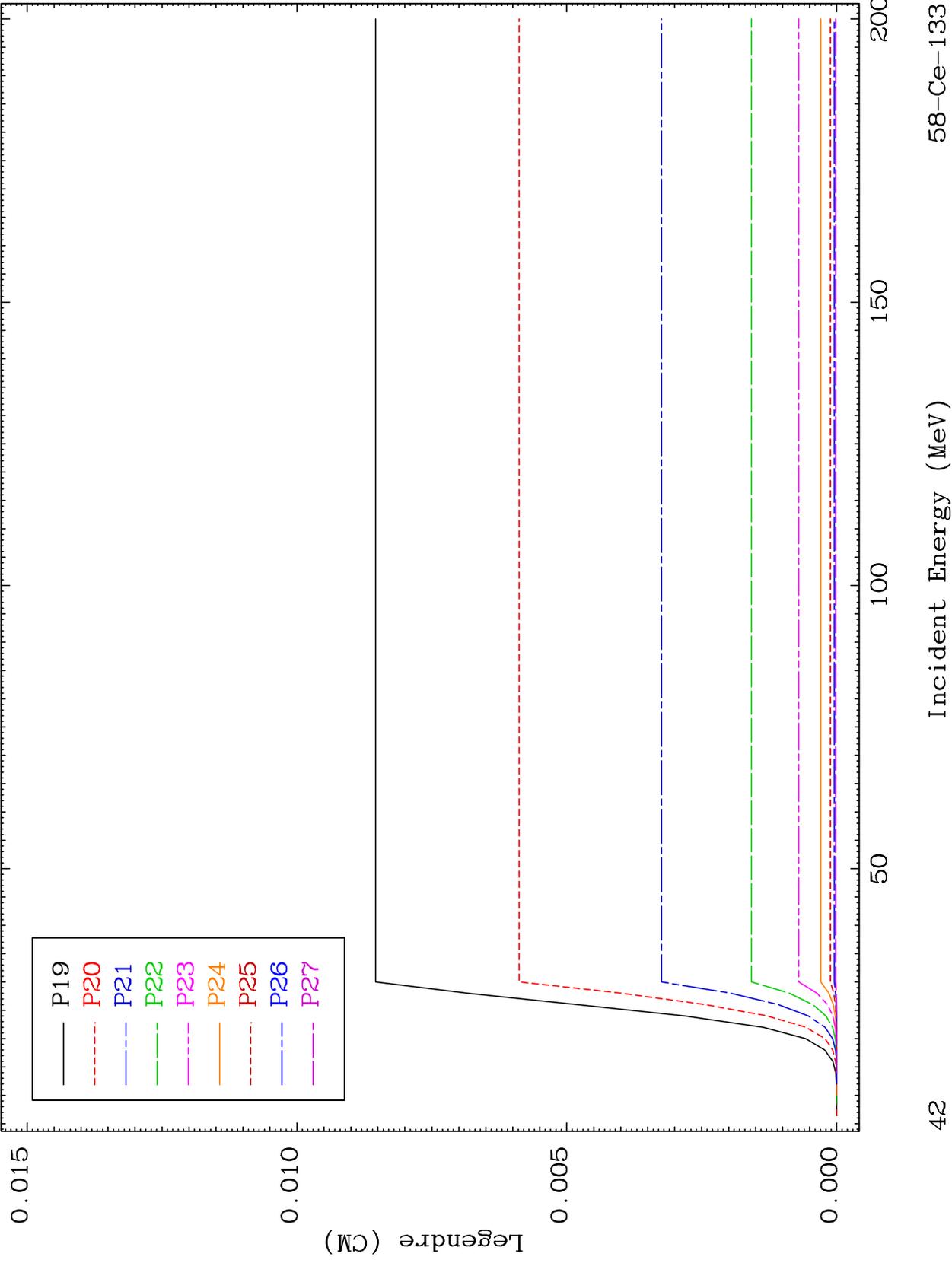
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



42

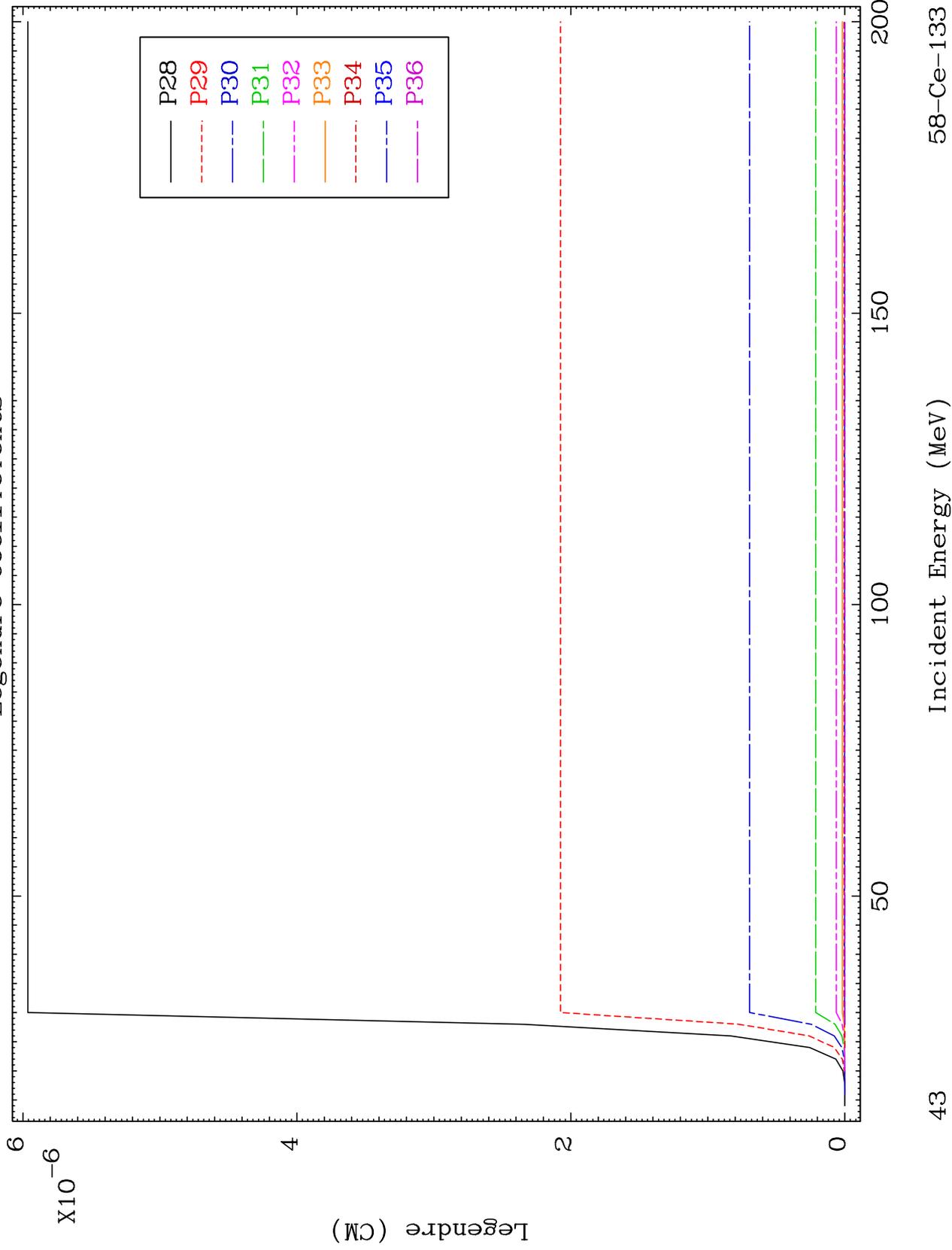
Incident Energy (MeV)

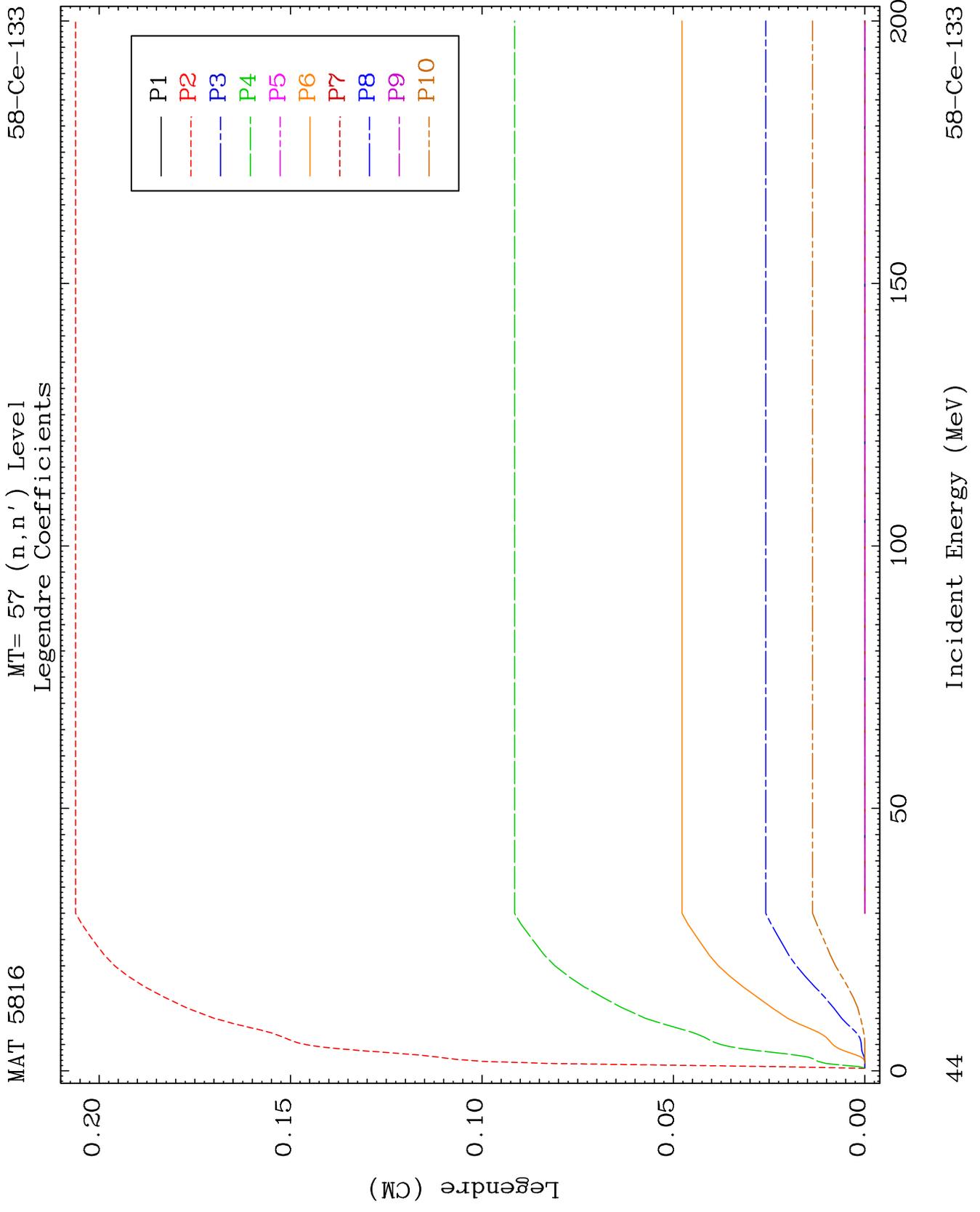
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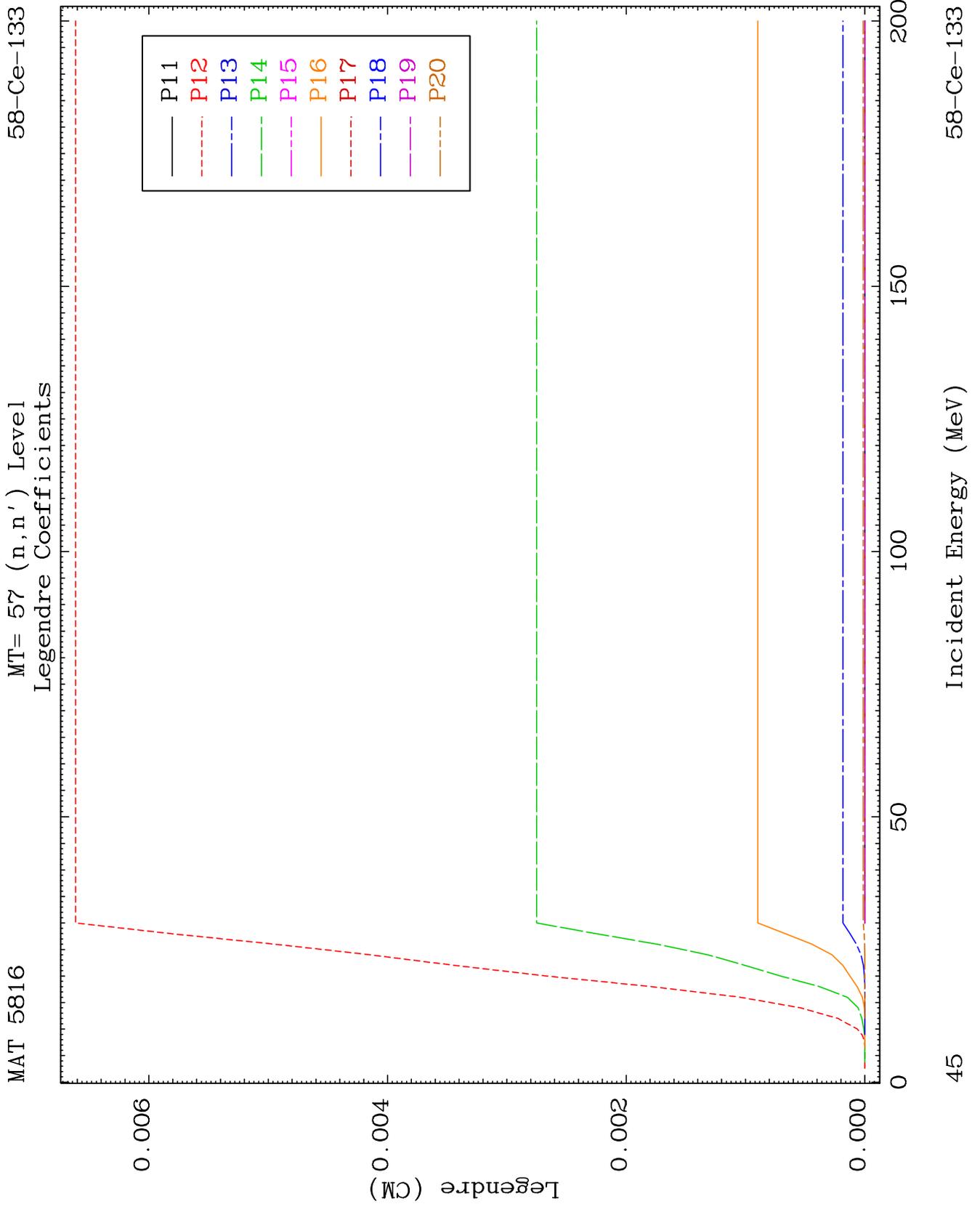
MAT 5816

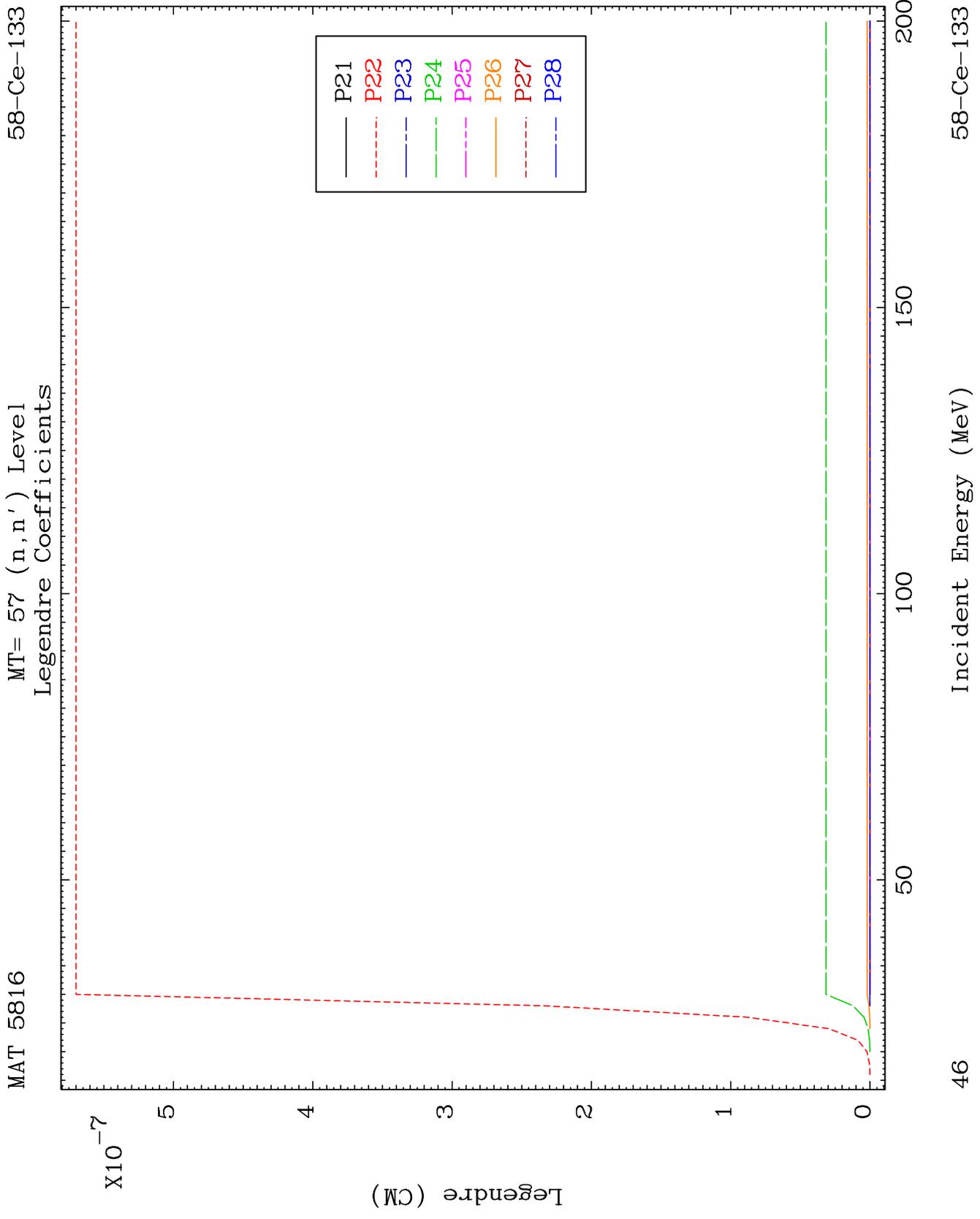
MT= 56 (n,n') Level
Legendre Coefficients

58-Ce-133





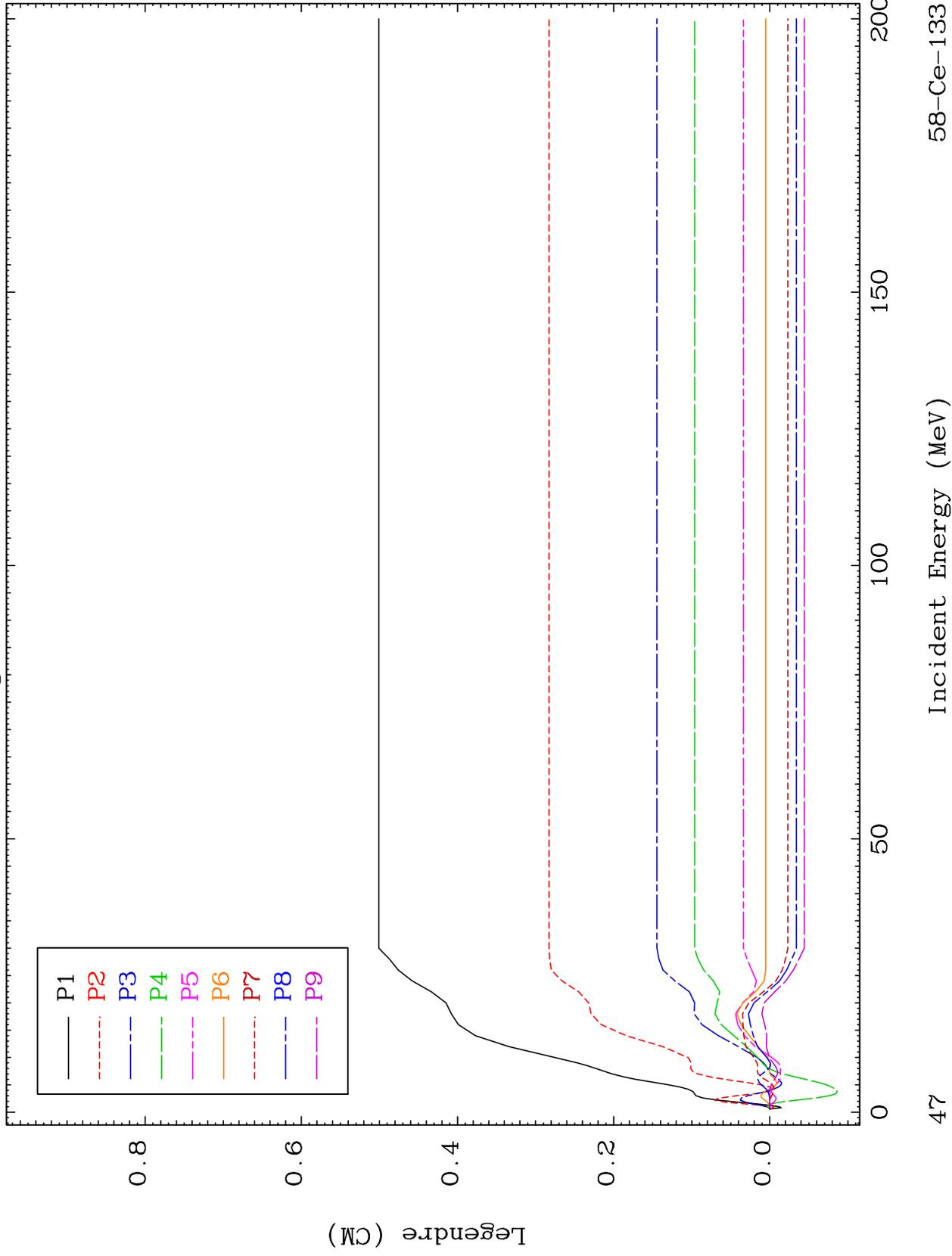




MAT 5816

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

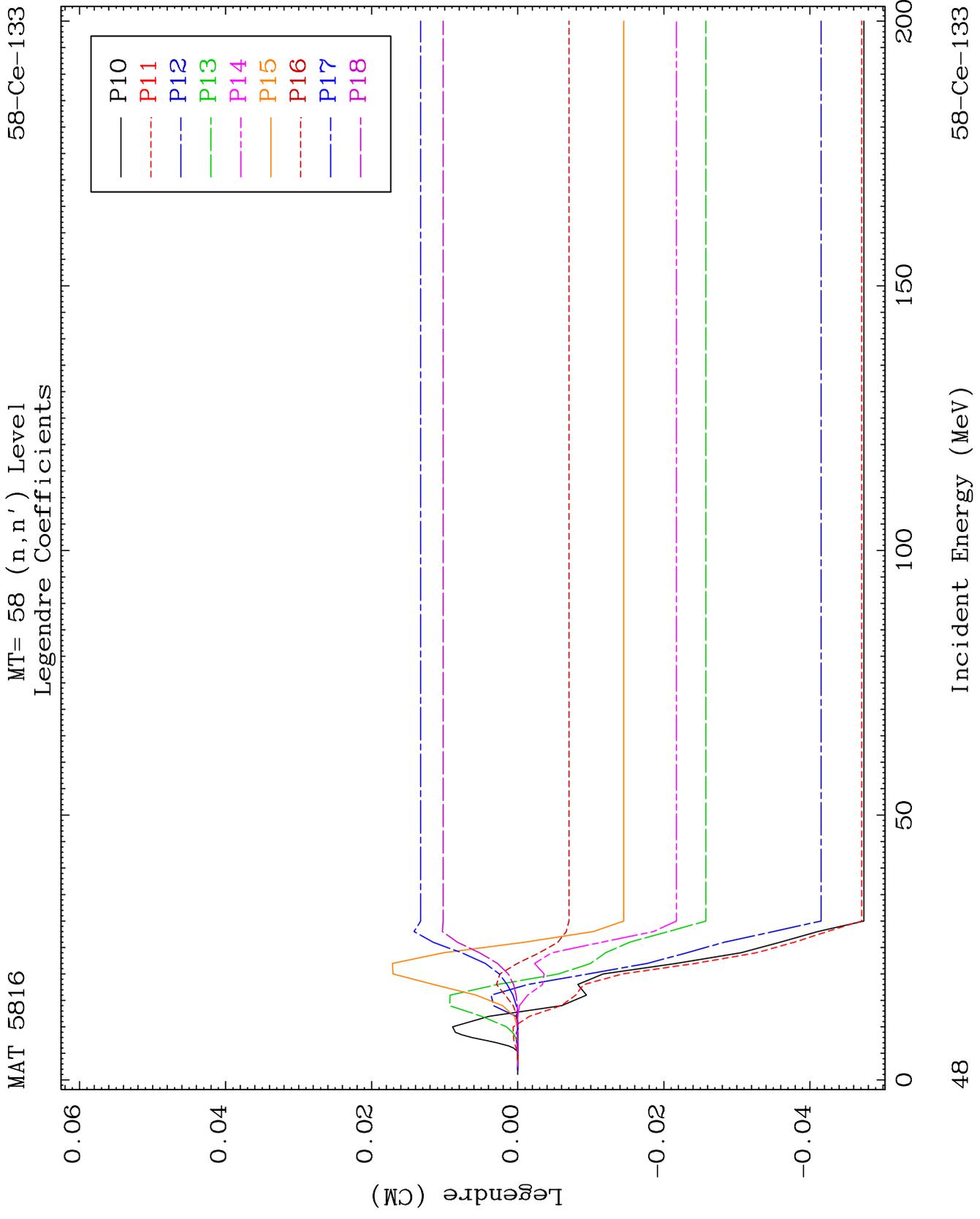
58-Ce-133



58-Ce-133

Incident Energy (MeV)

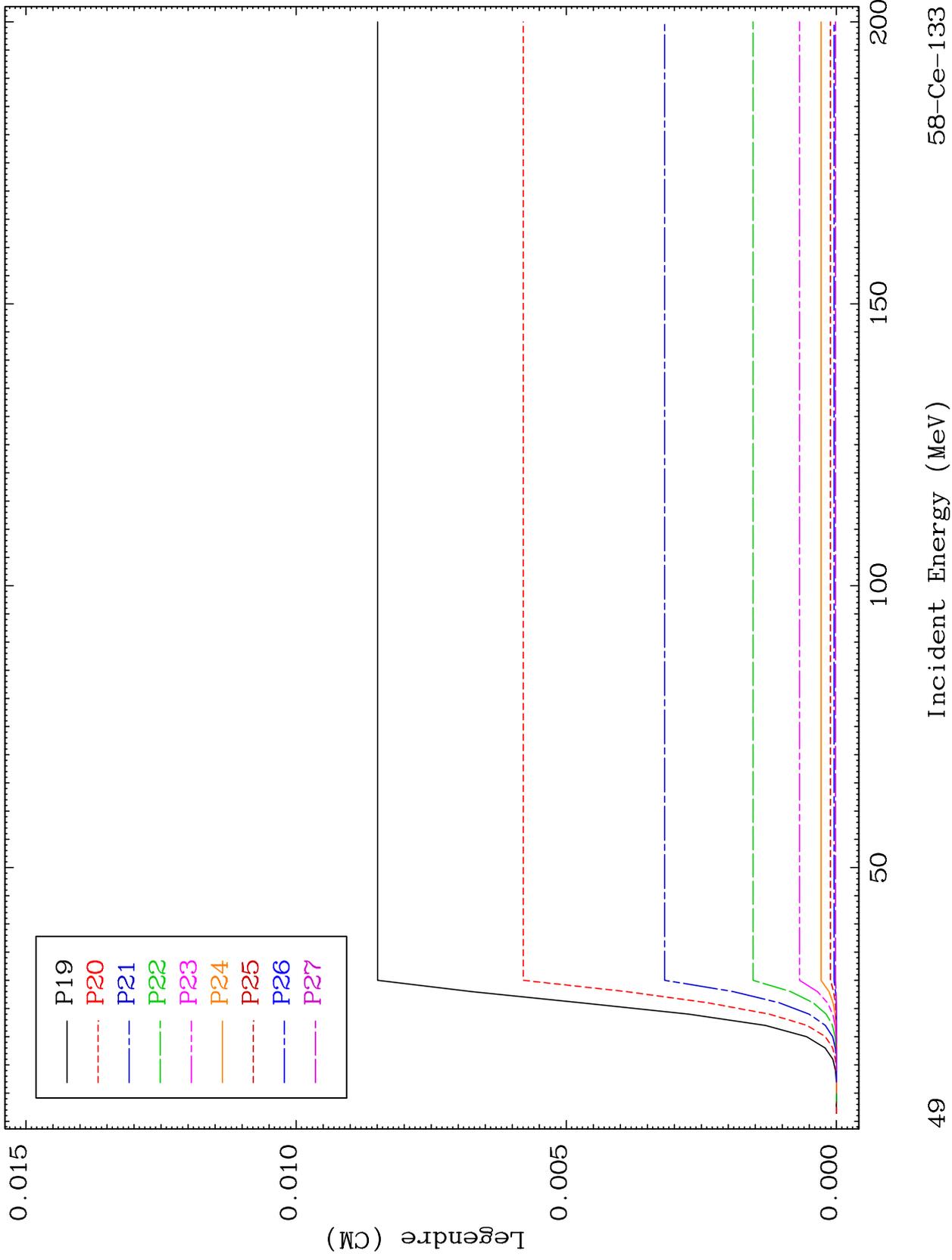
47



MAT 5816

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

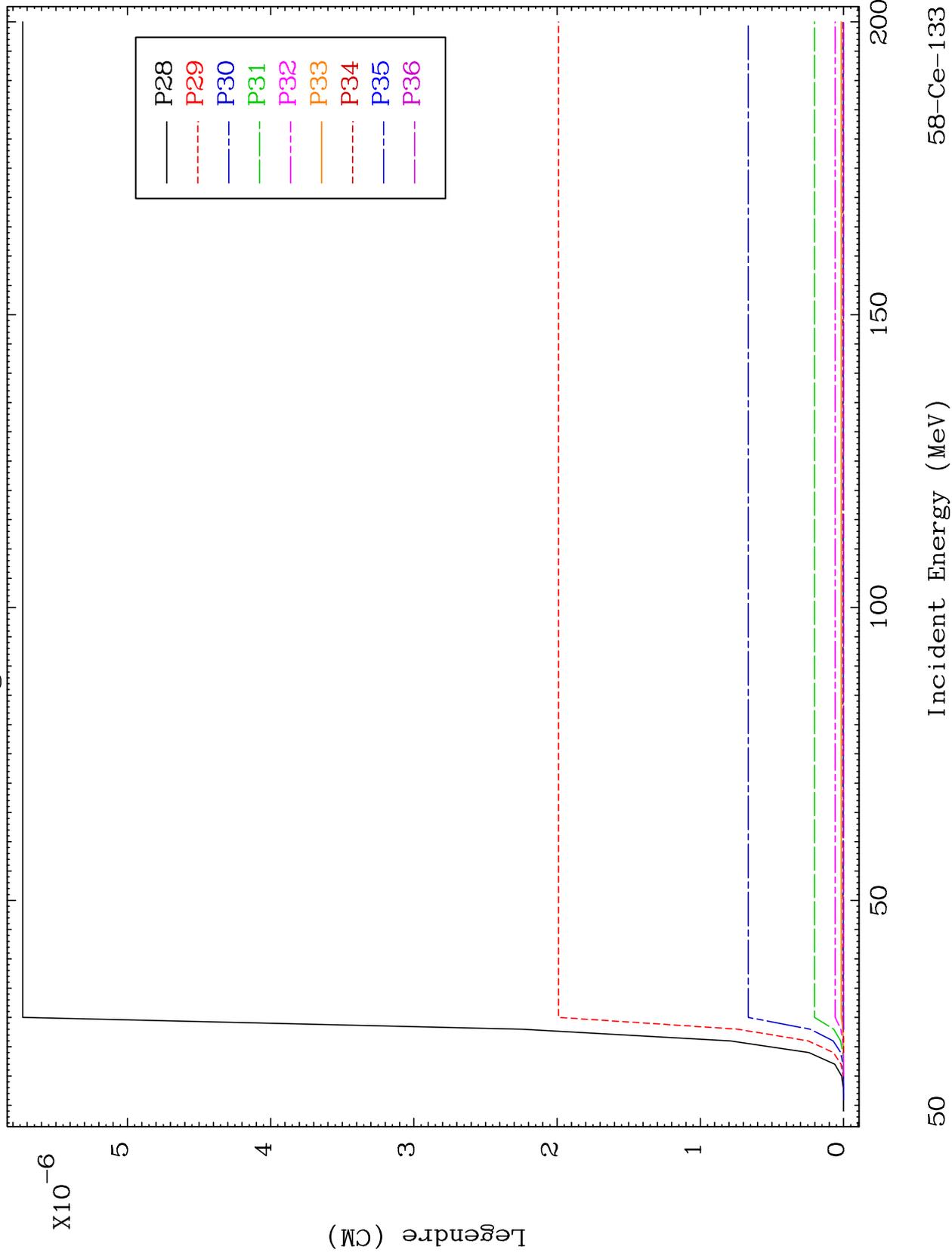
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MAT 5816

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

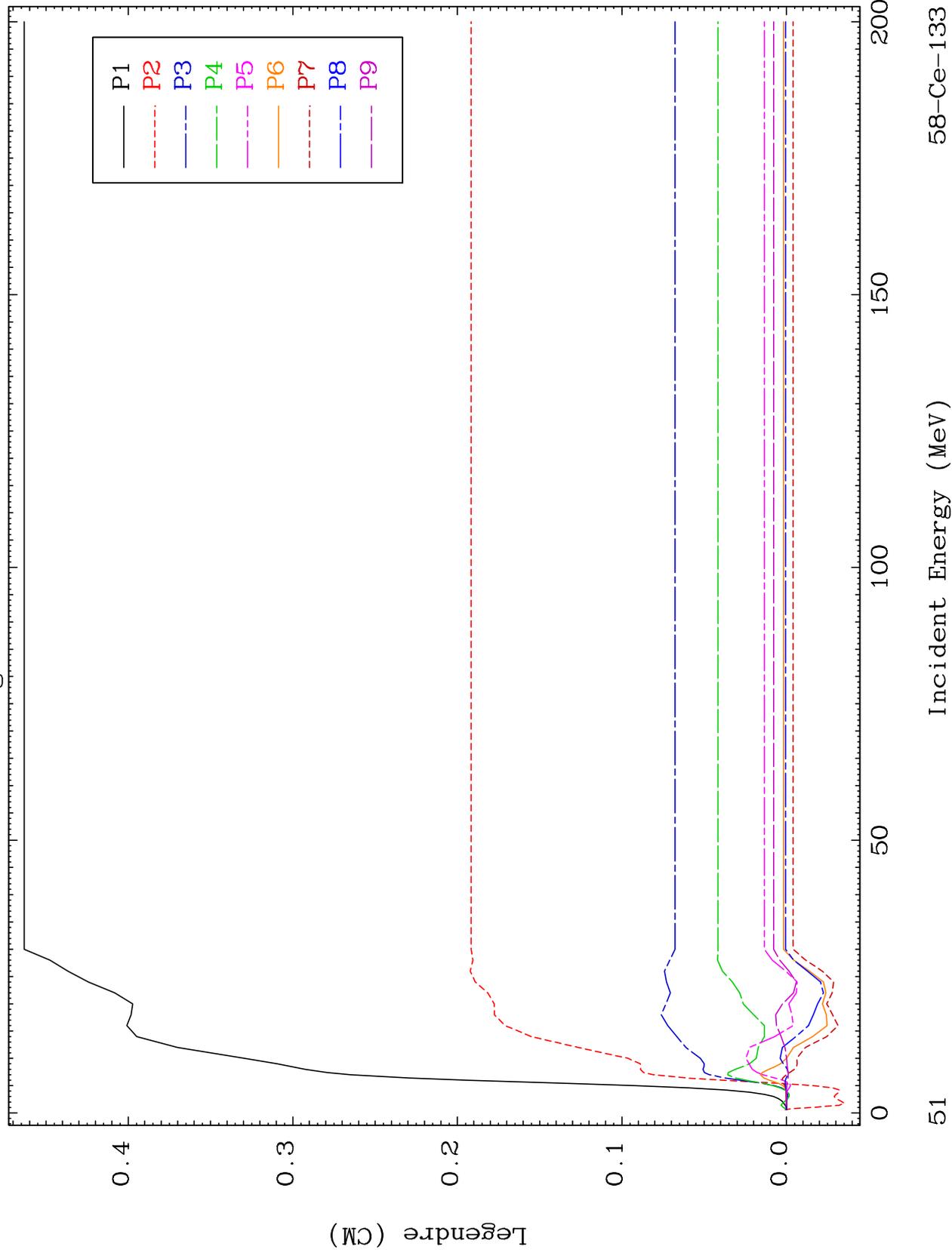
58-Ce-133



MAT 5816

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

58-Ce-133



51

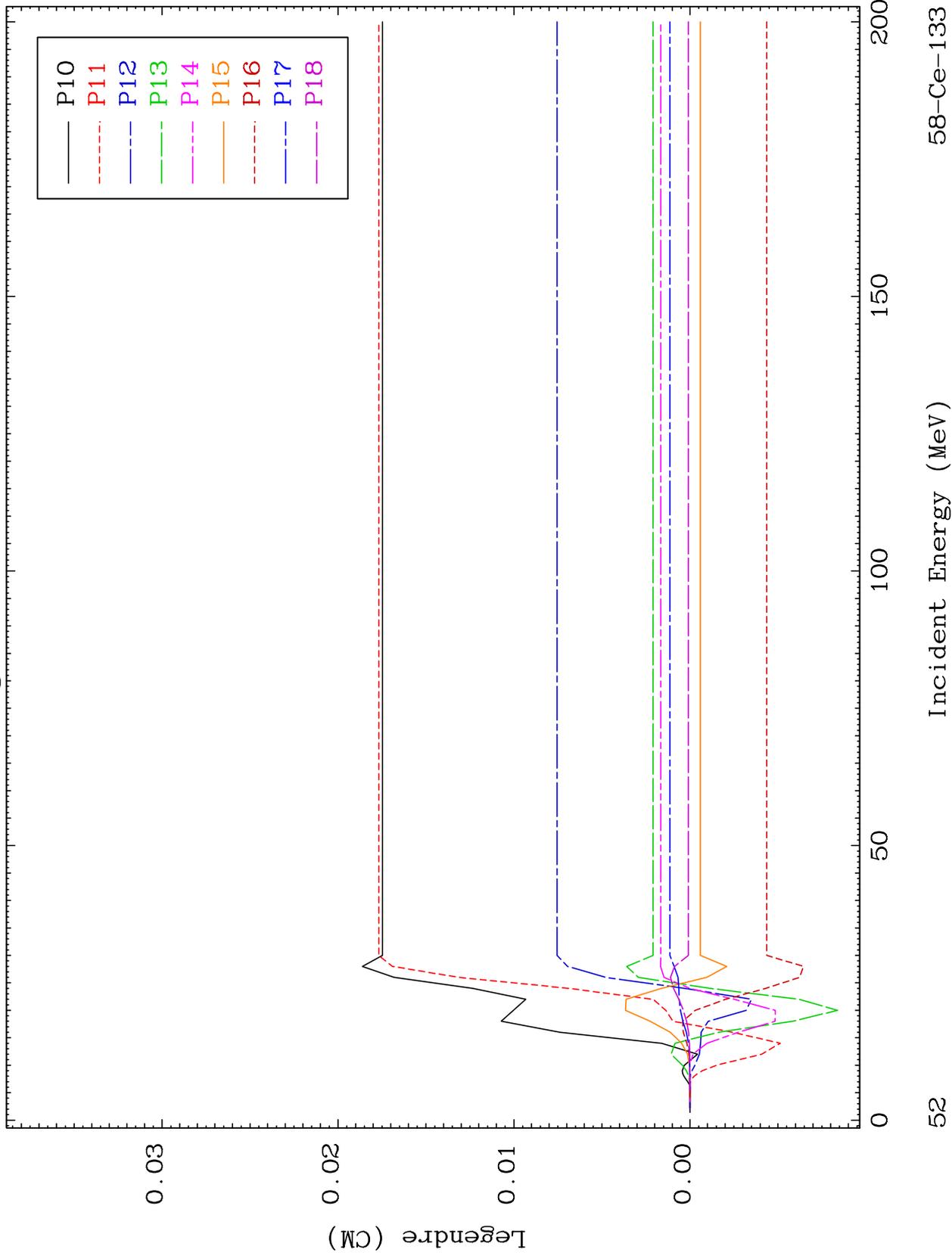
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



58-Ce-133

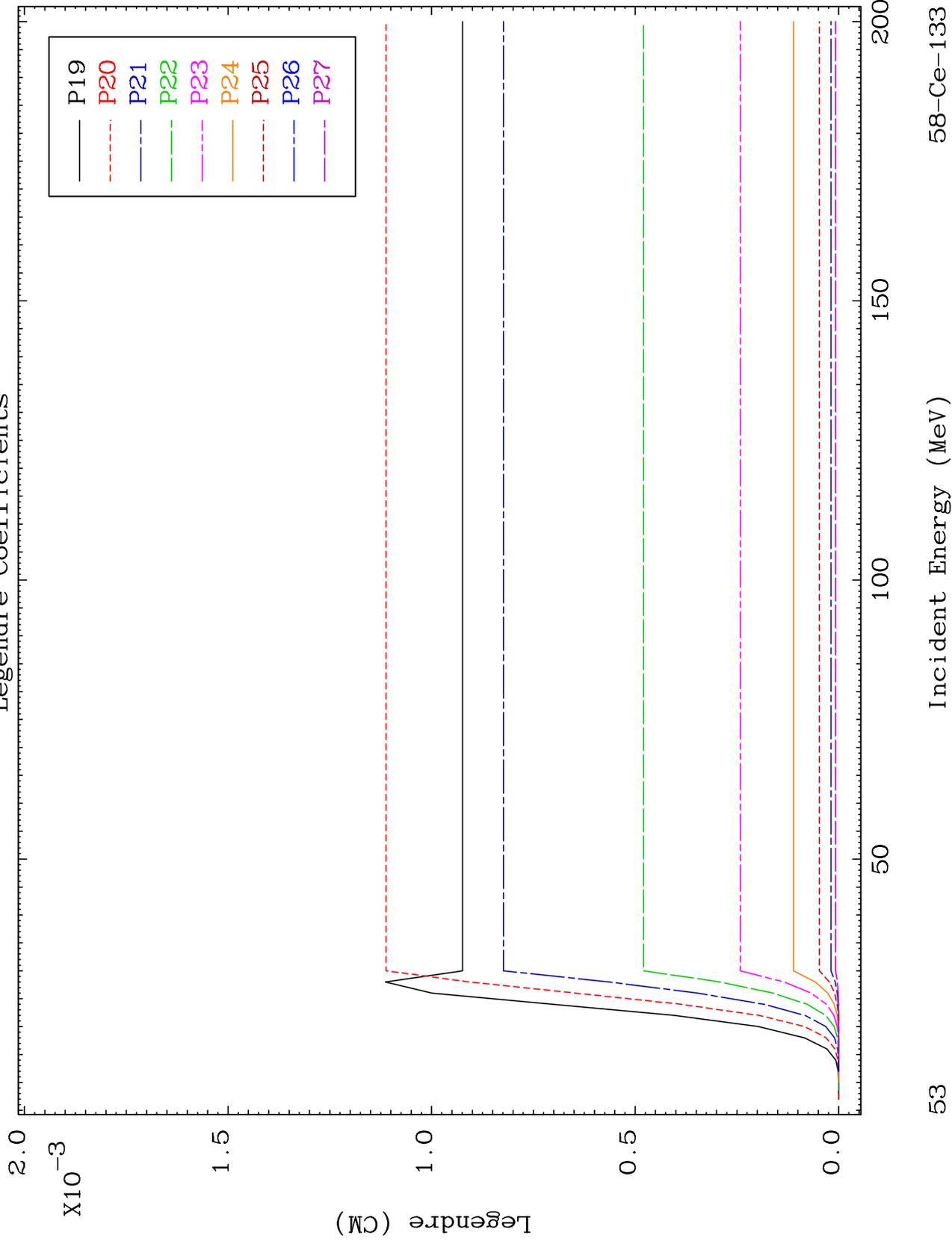
Incident Energy (MeV)

52

MAT 5816

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

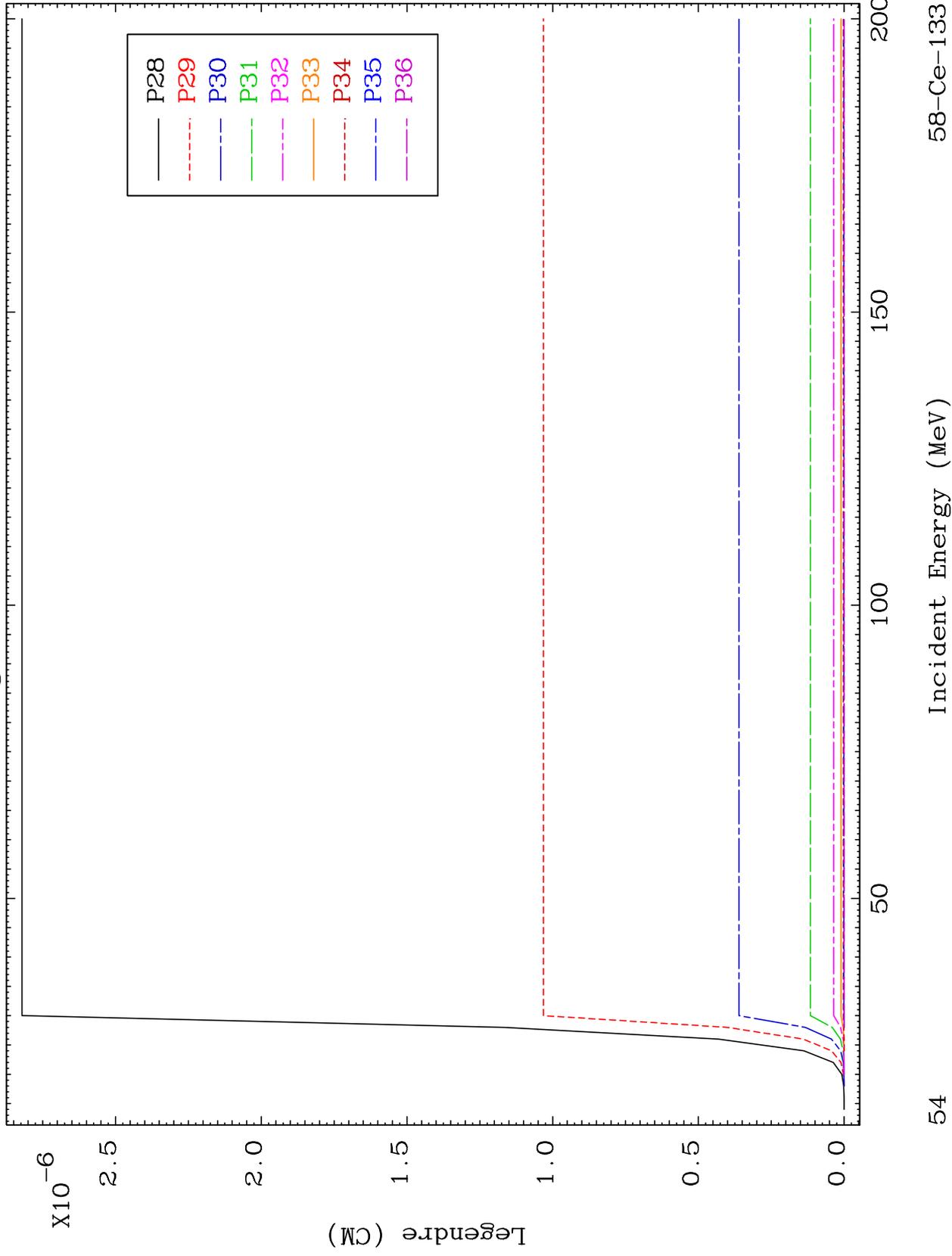
58-Ce-133



MAT 5816

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

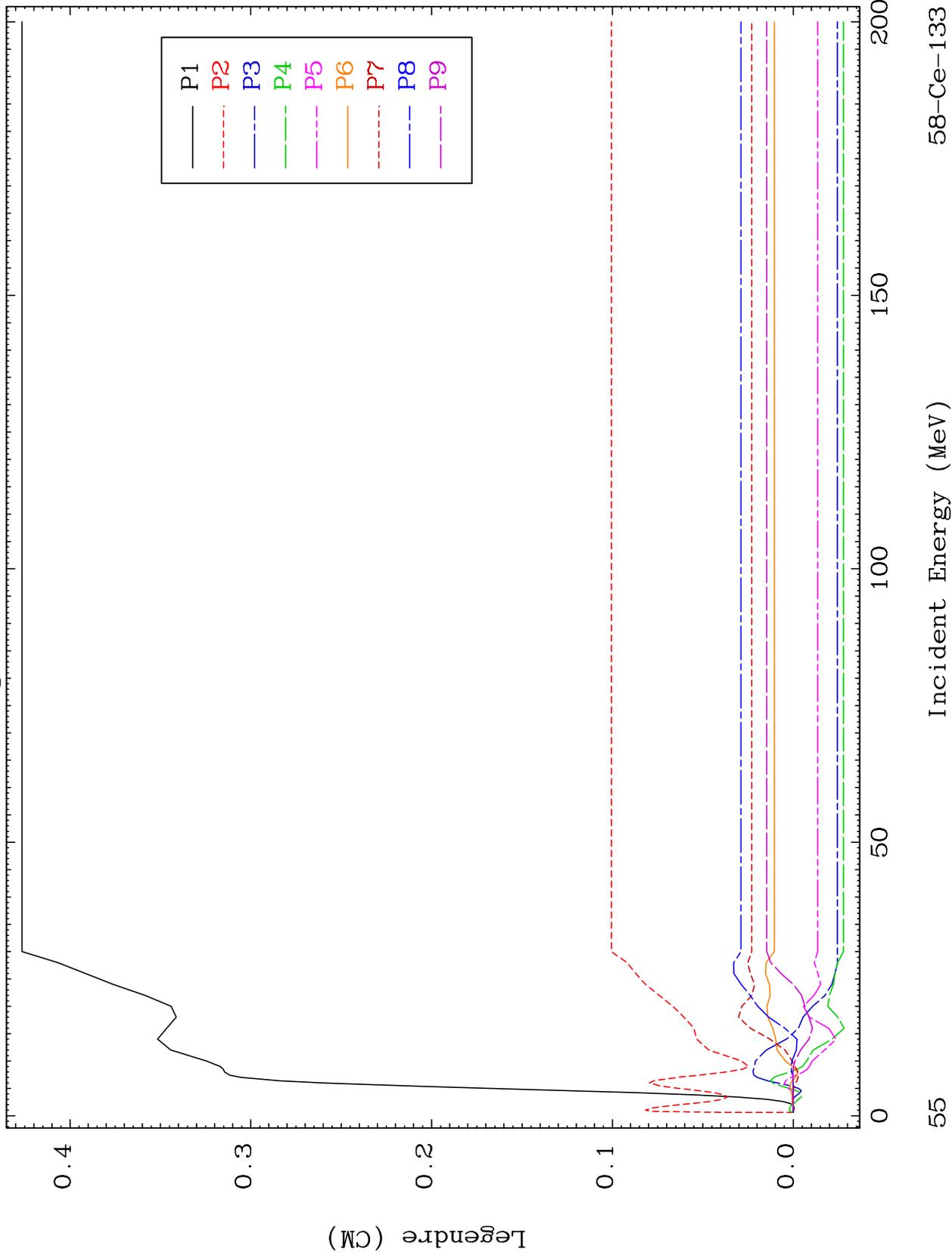
58-Ce-133



MAT 5816

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

58-Ce-133

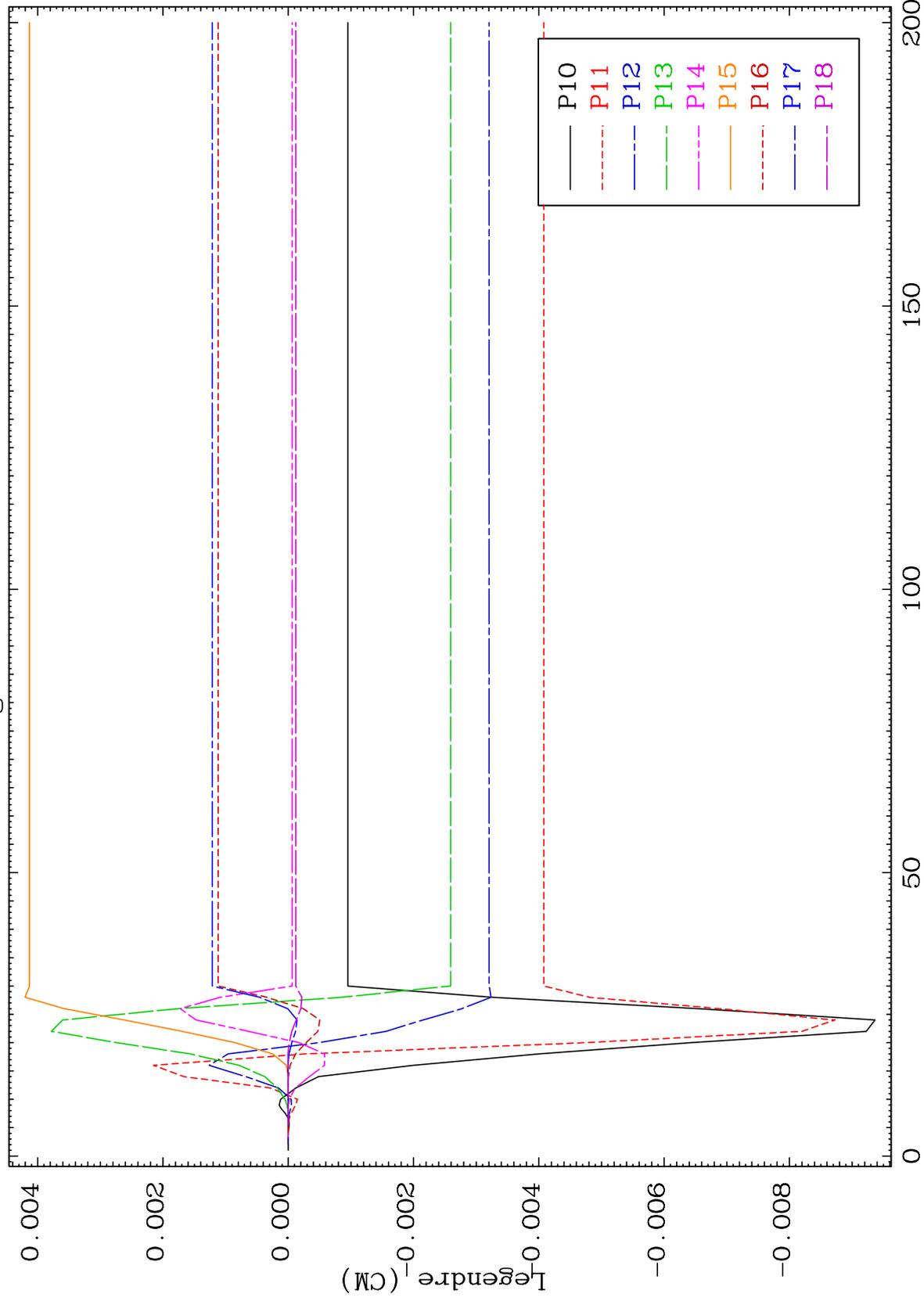


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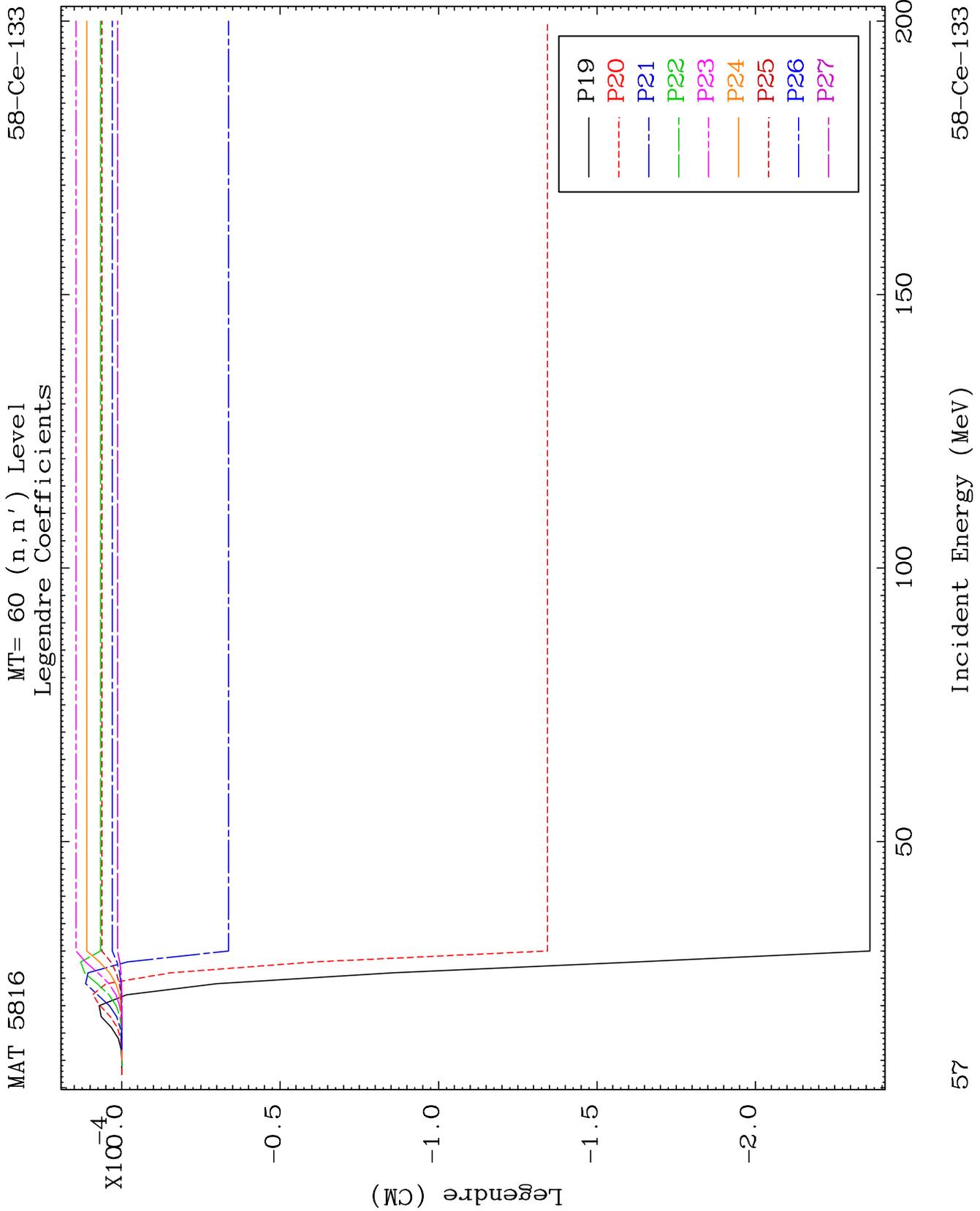
Incident Energy (MeV)

55

MAT 5816 MT= 60 (n,n') Level Legendre Coefficients 58-Ce-133



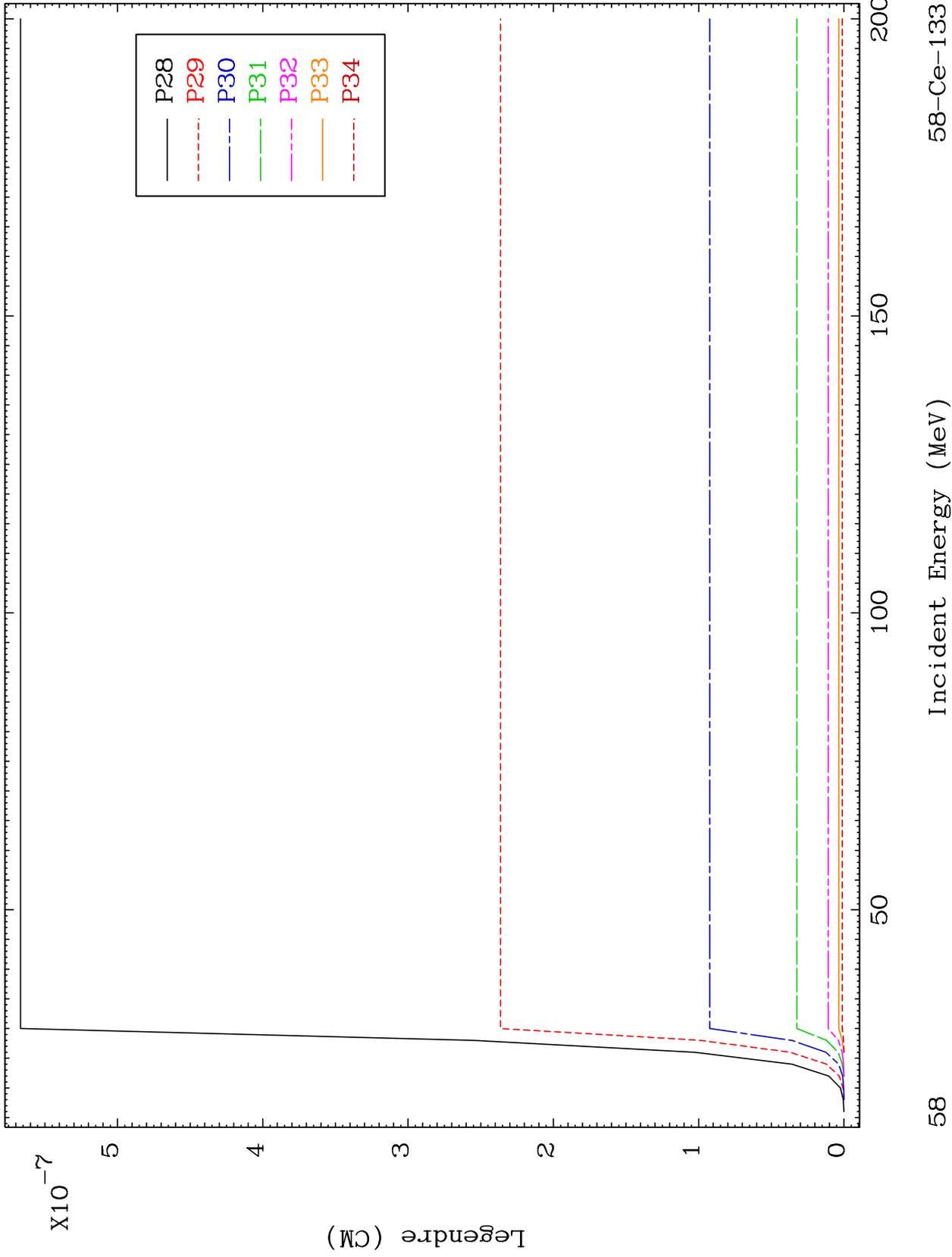
56 58-Ce-133

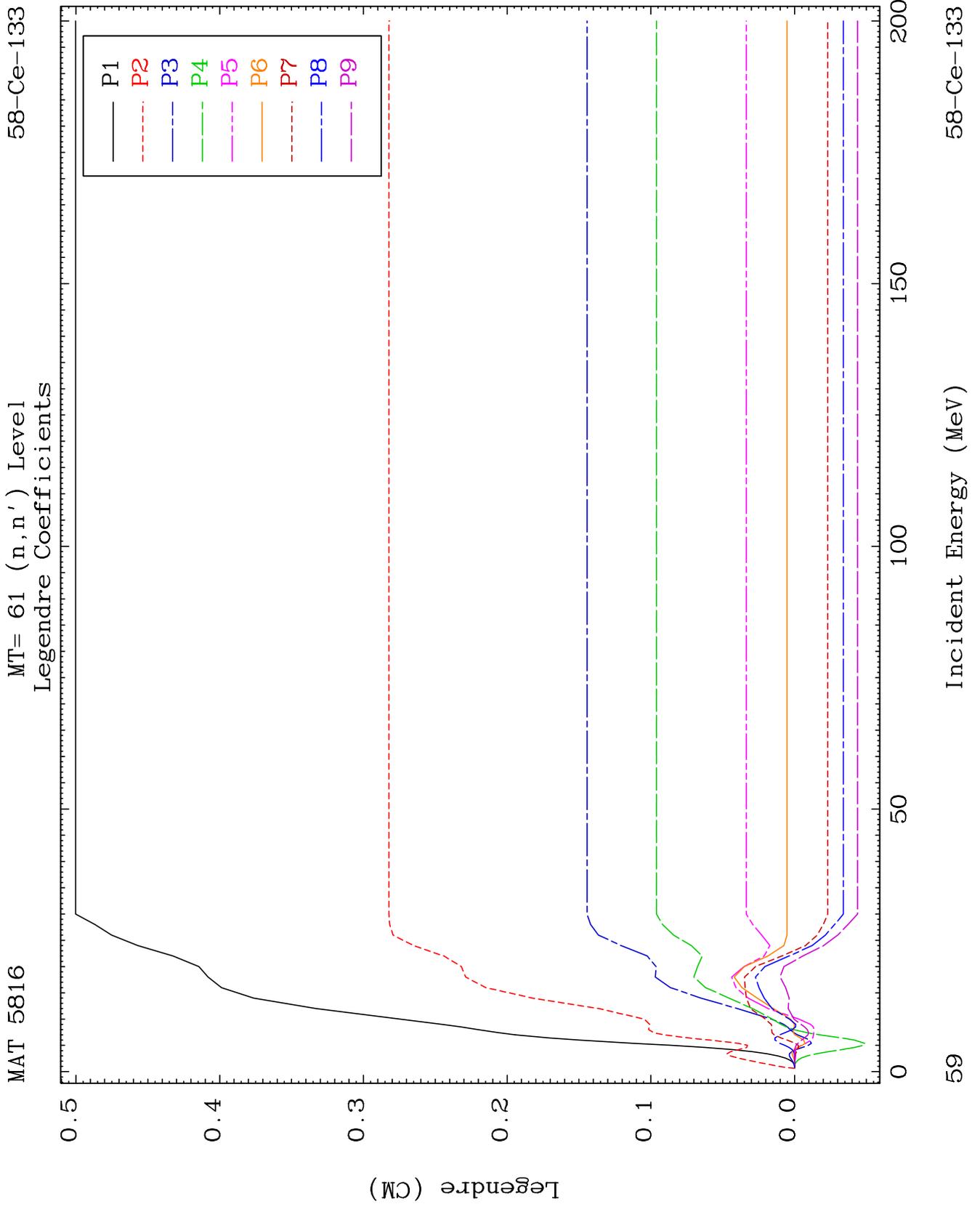


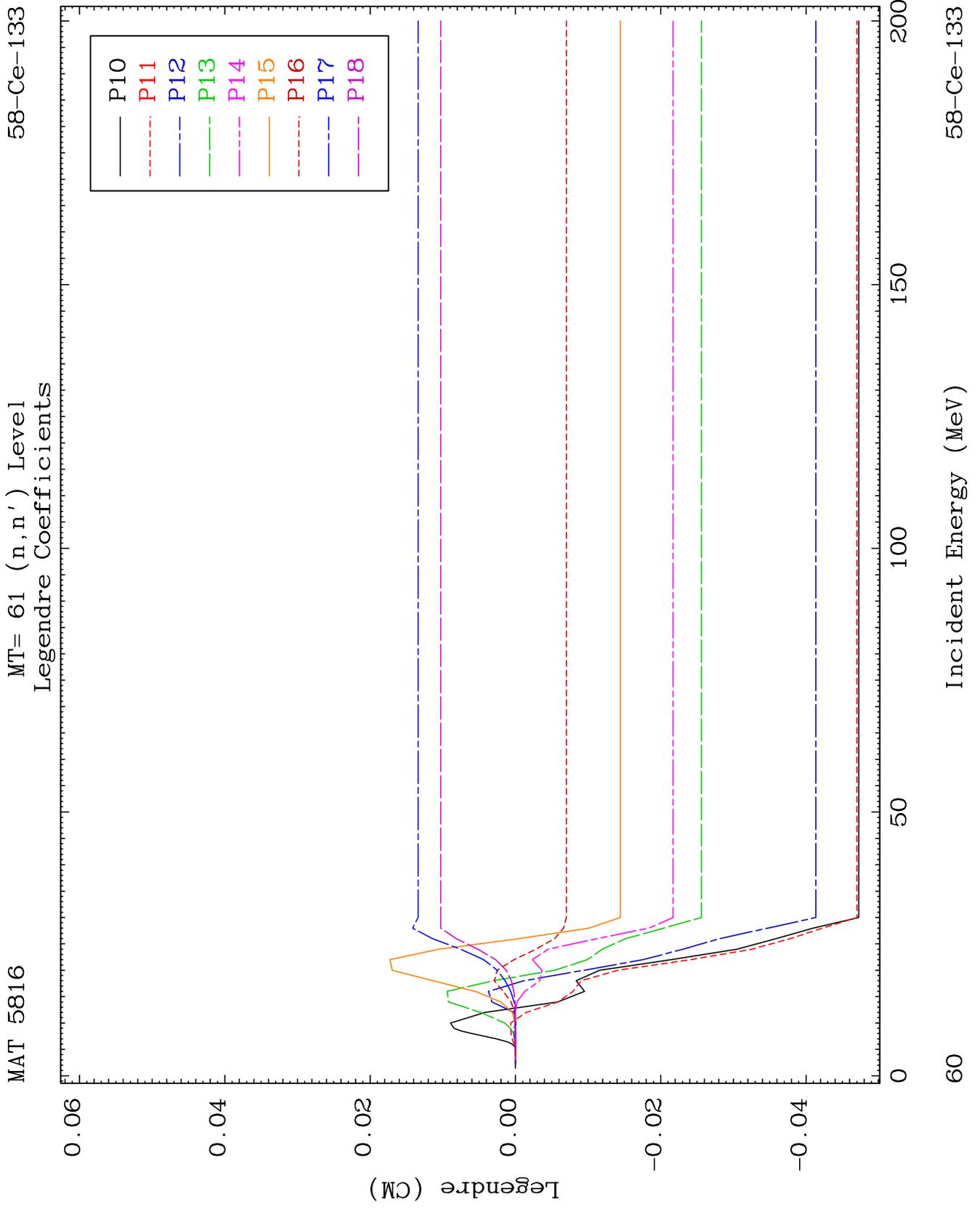
MAT 5816

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

58-Ce-133



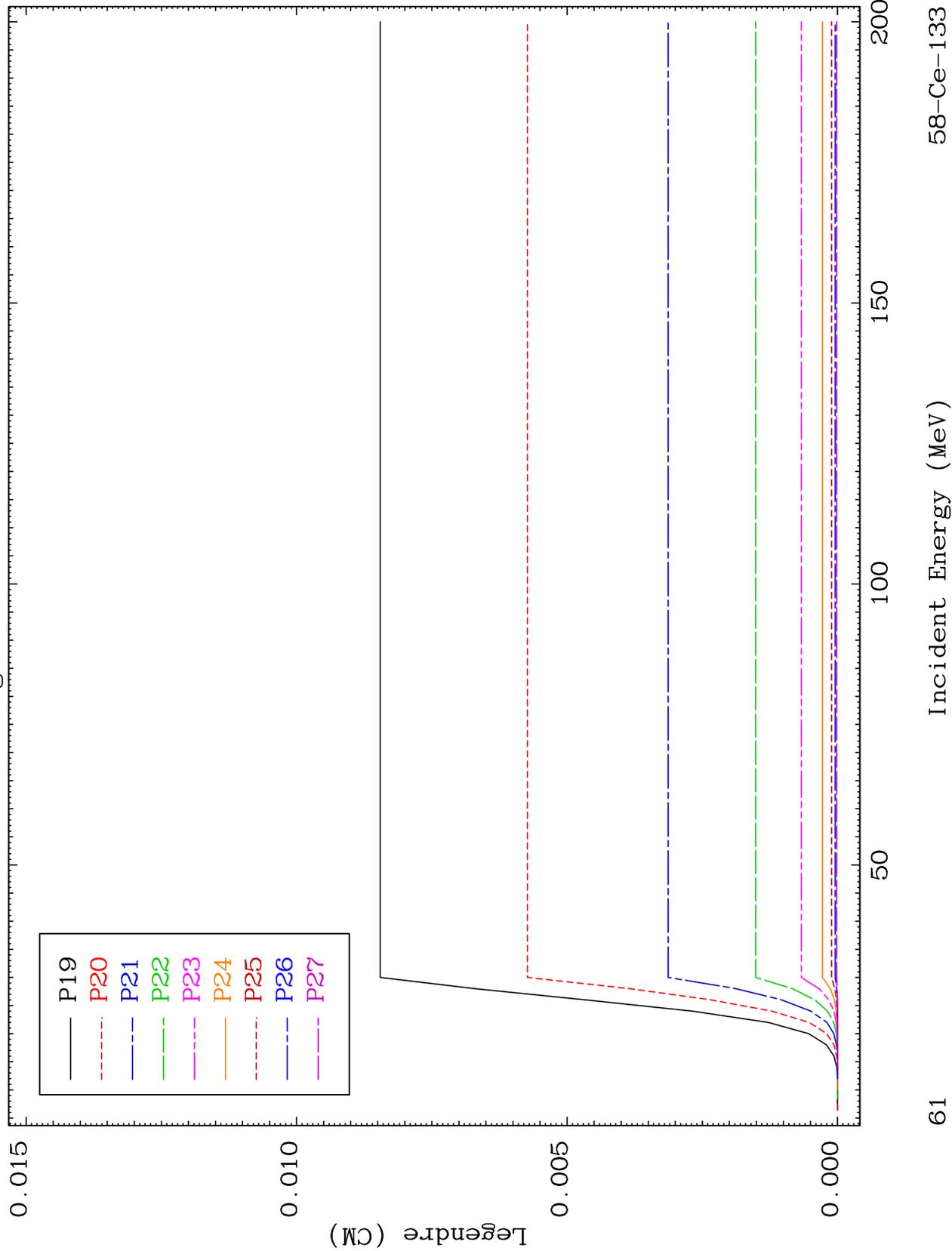




MAT 5816

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

58-Ce-133



61

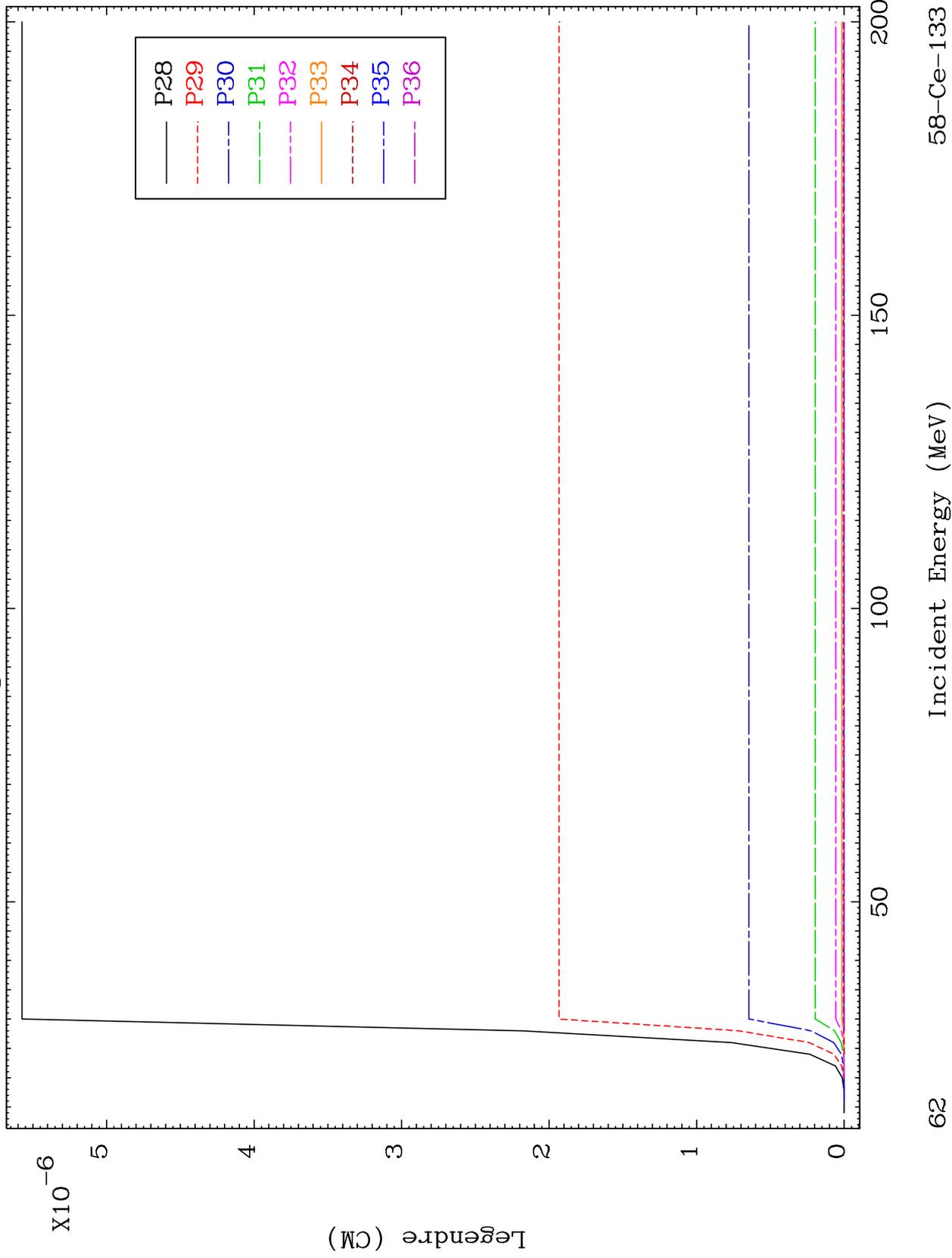
Incident Energy (MeV)

58-Ce-133

MAT 5816

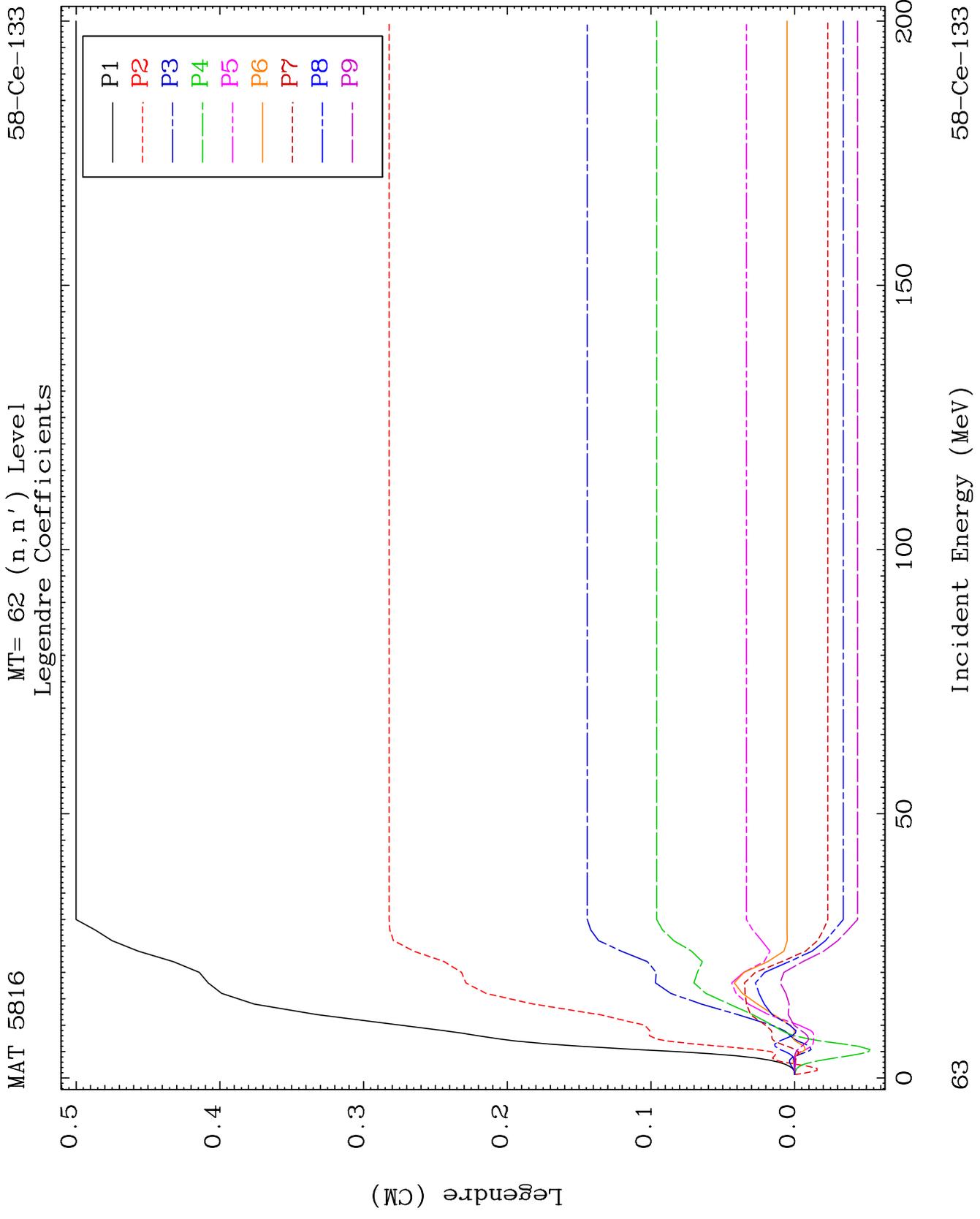
MT= 61 (n,n') Level
Legendre Coefficients

58-Ce-133



62

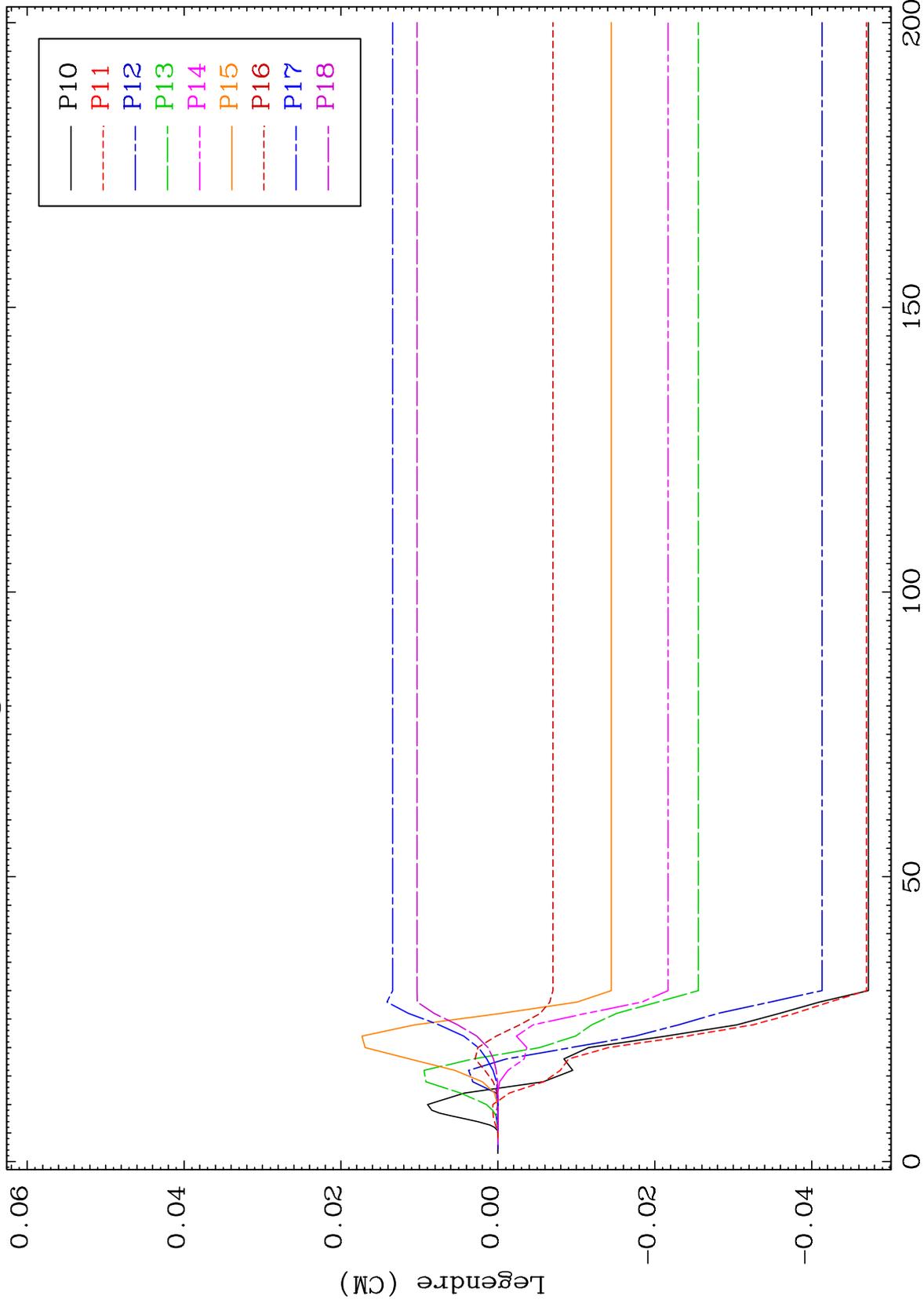
58-Ce-133



MAT 5816

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

58-Ce-133



64

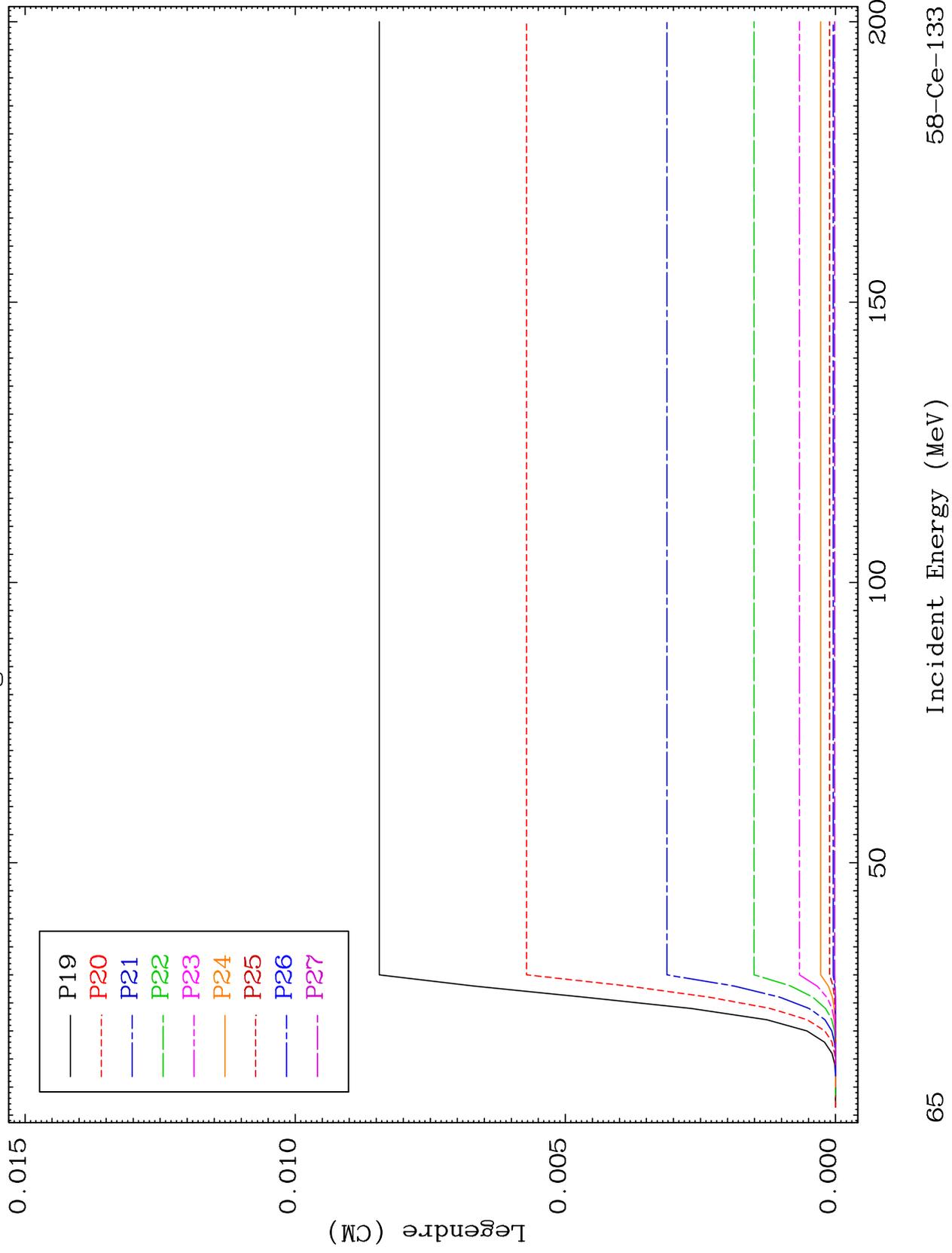
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



65

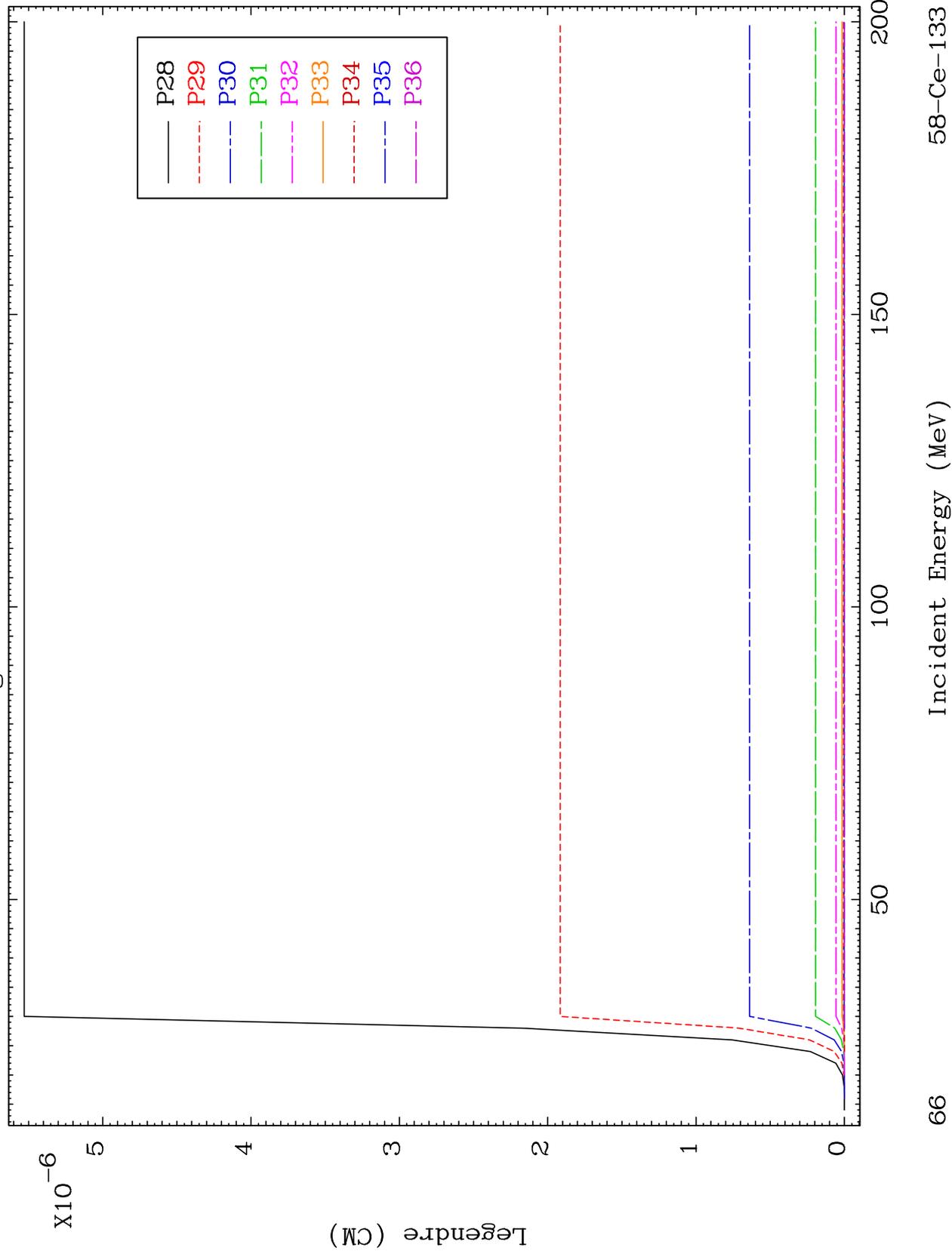
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

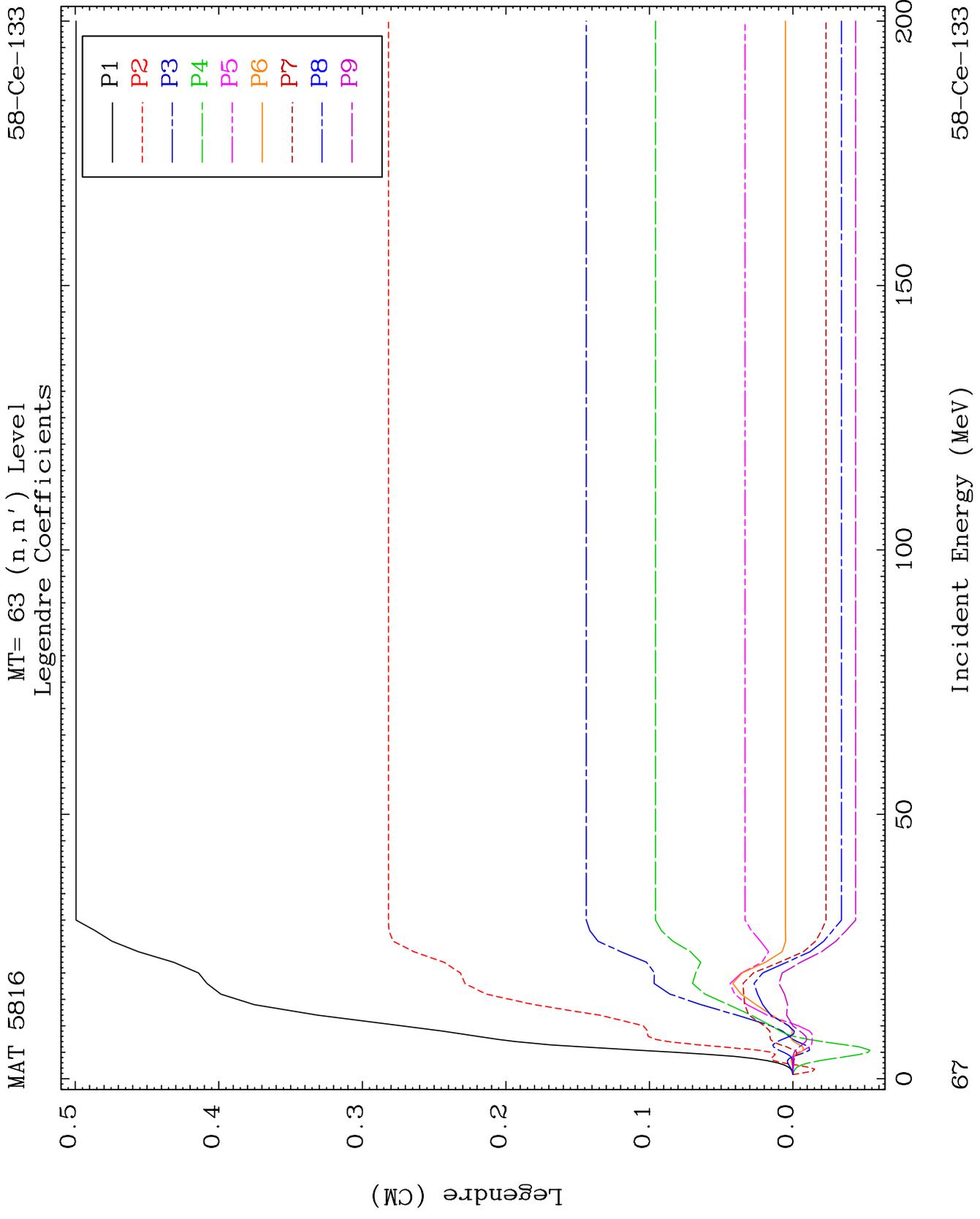
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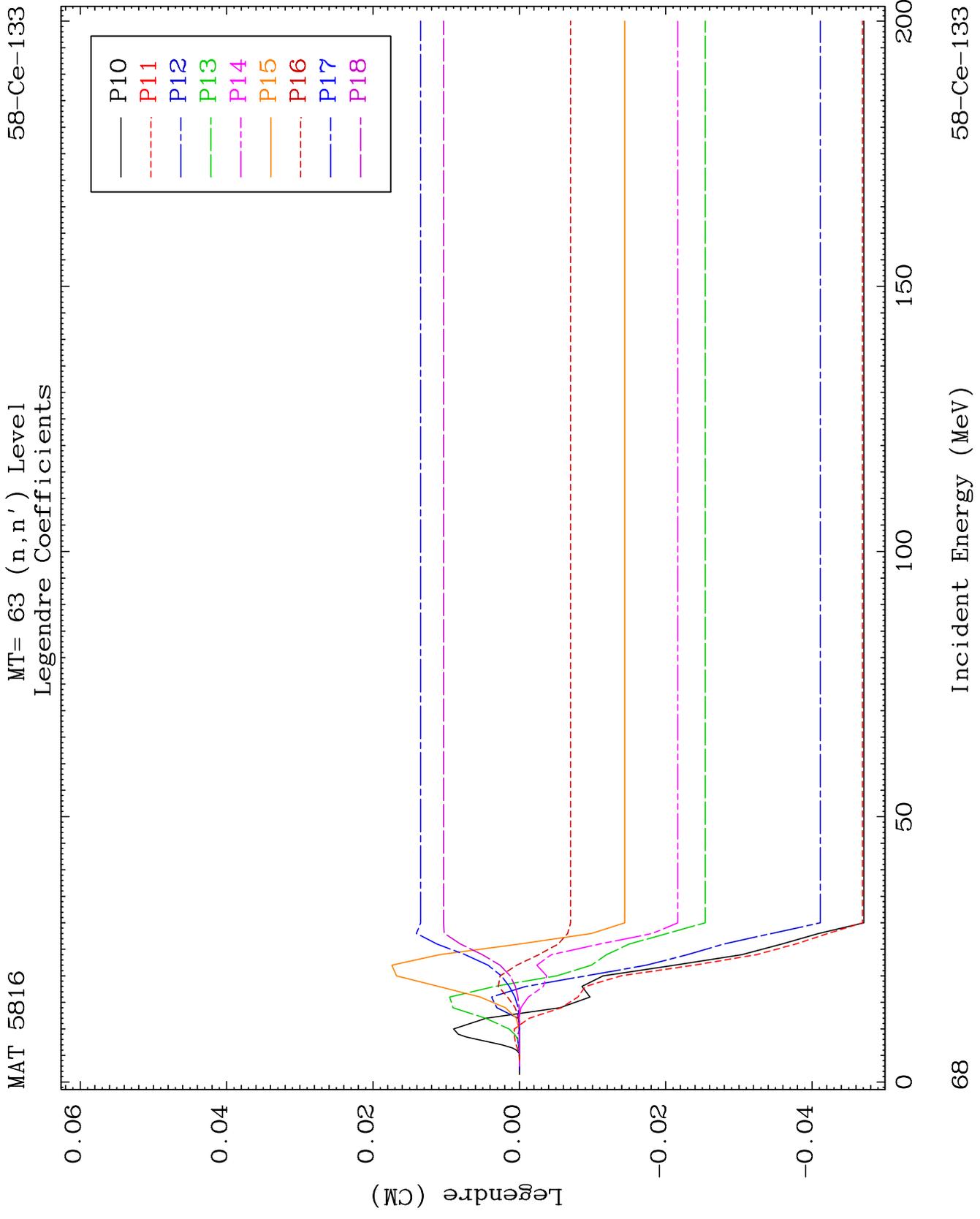


66

Incident Energy (MeV)

58-Ce-133

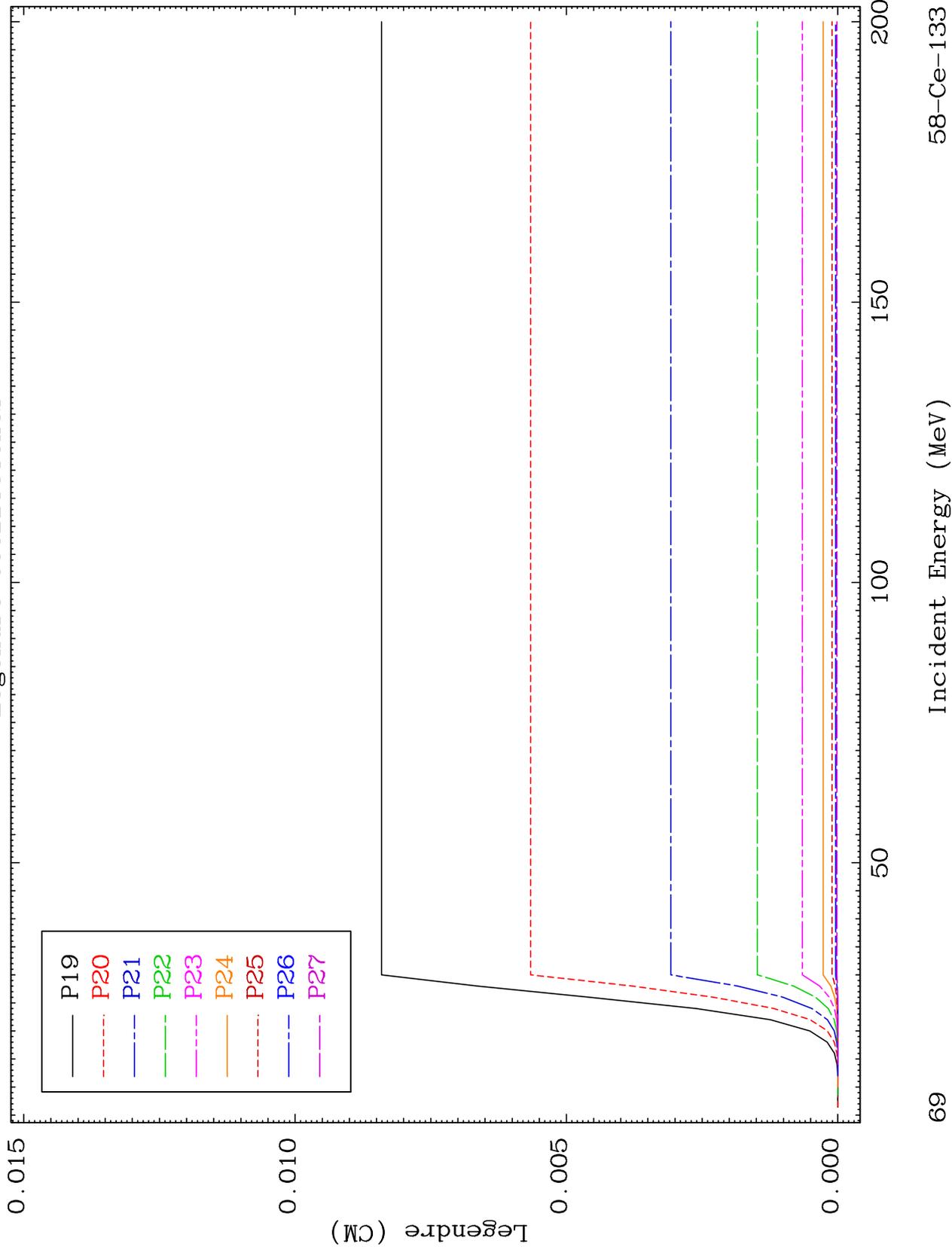




MAT 5816

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

58-Ce-133



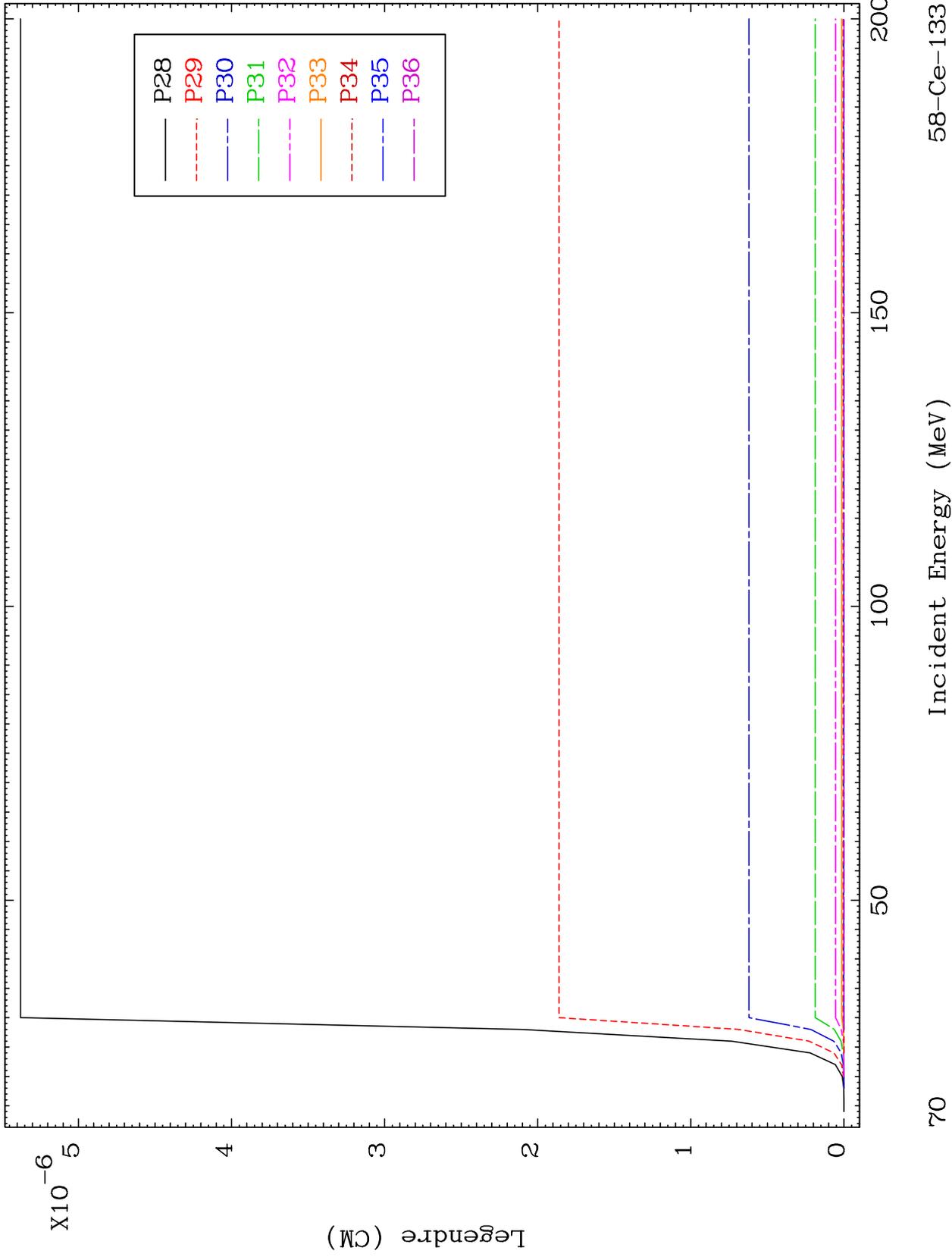
69

58-Ce-133

MAT 5816

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

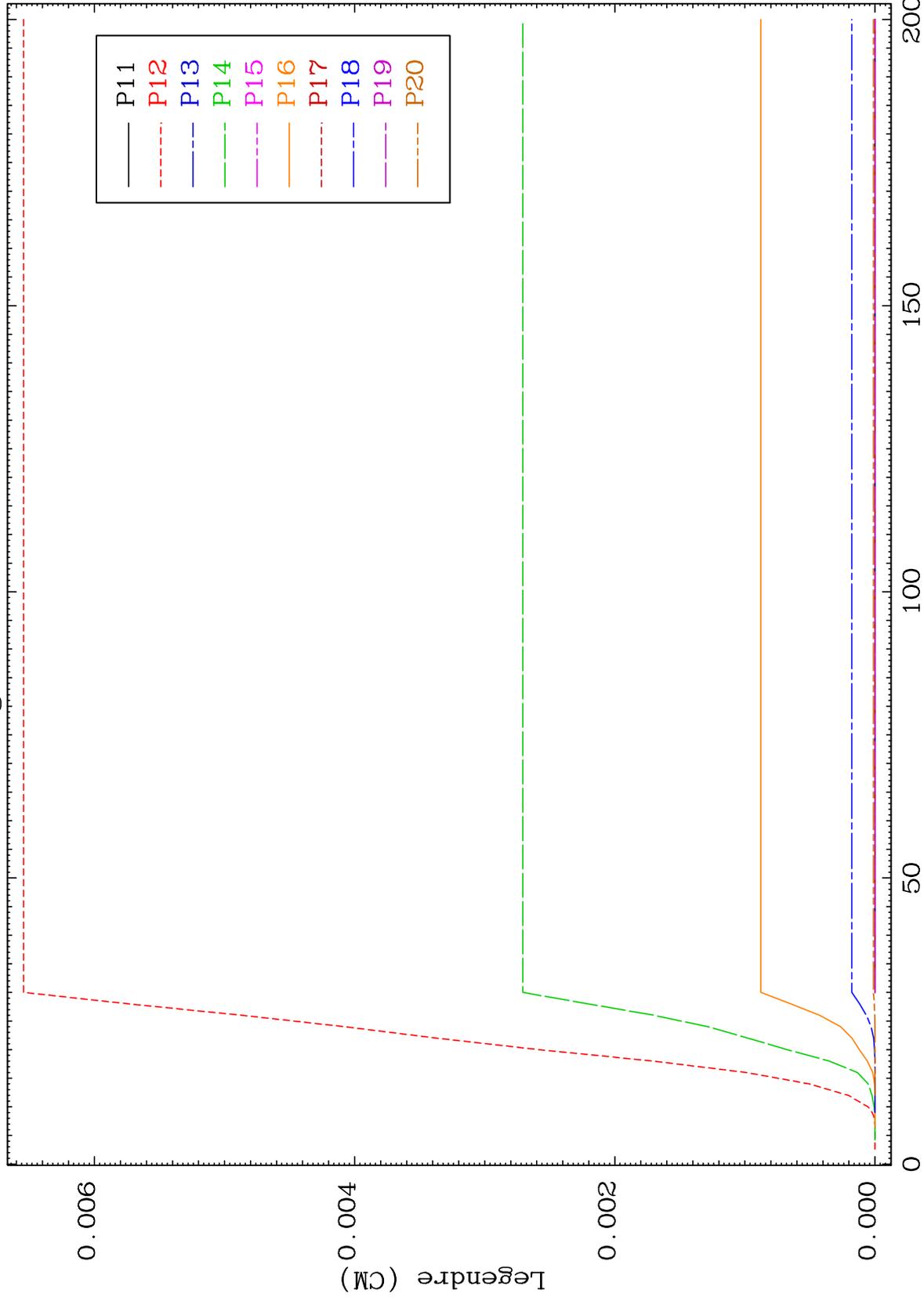
58-Ce-133



MAT 5816

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

58-Ce-133



72

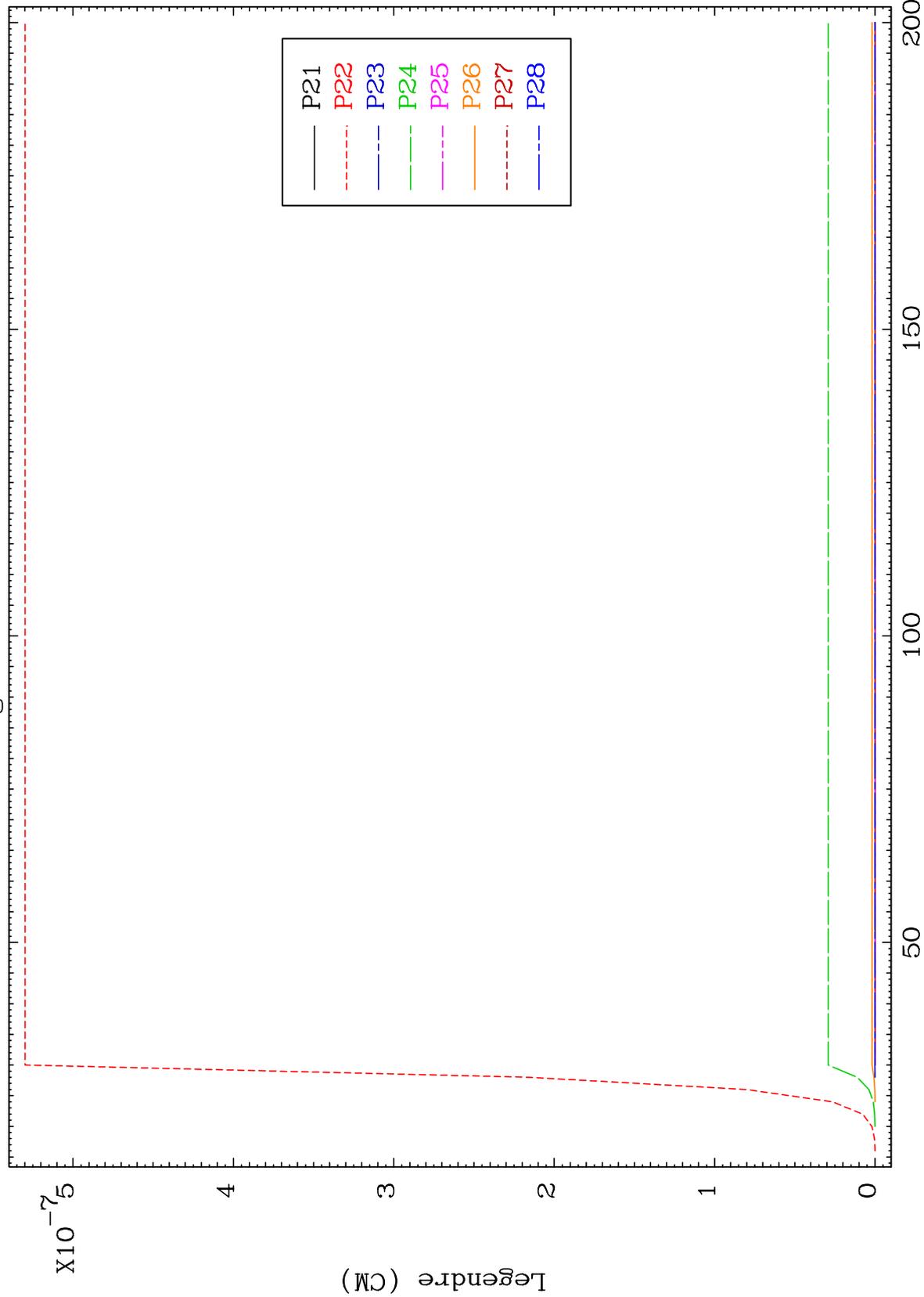
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



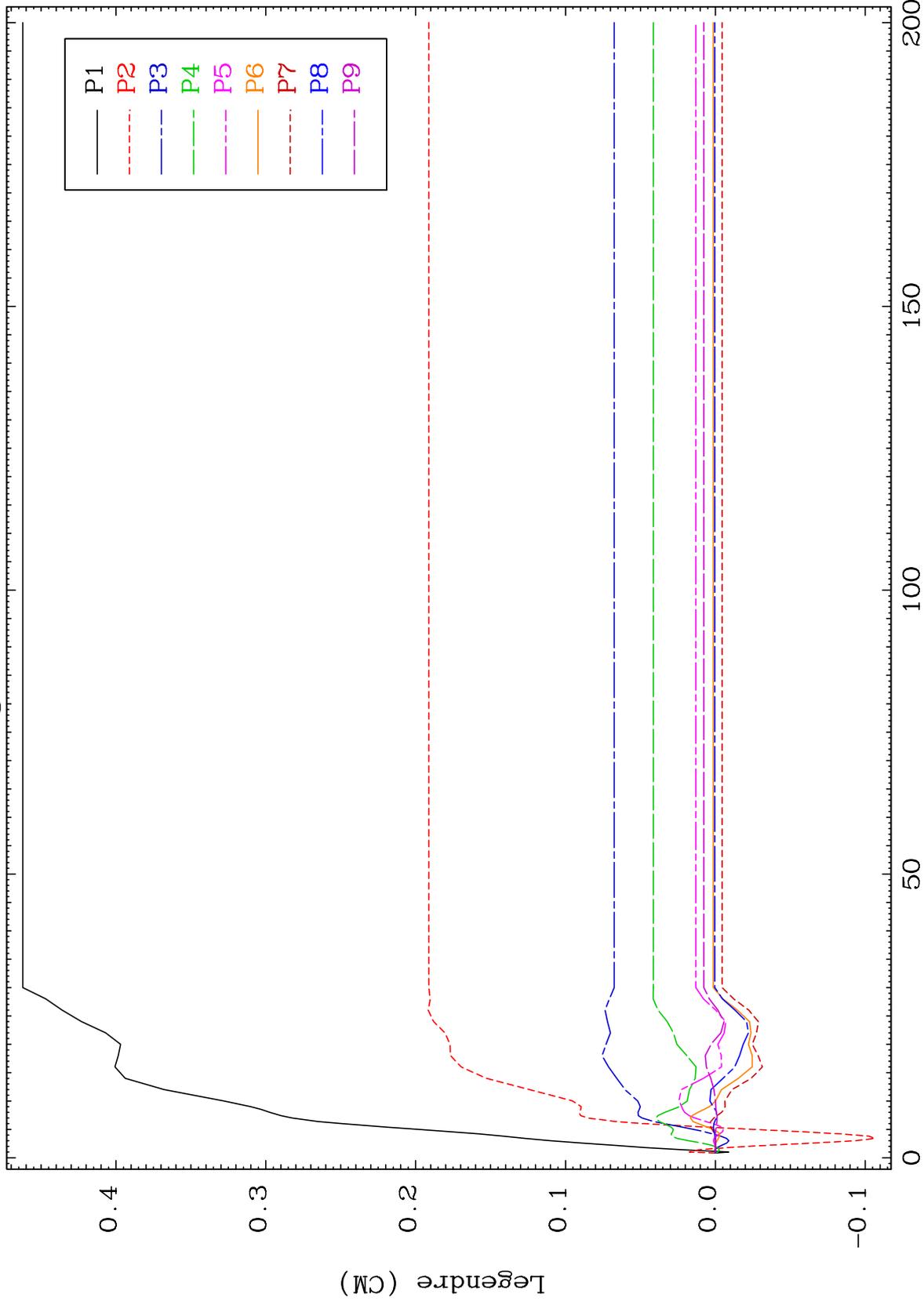
73

58-Ce-133

MAT 5816

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

58-Ce-133



58-Ce-133

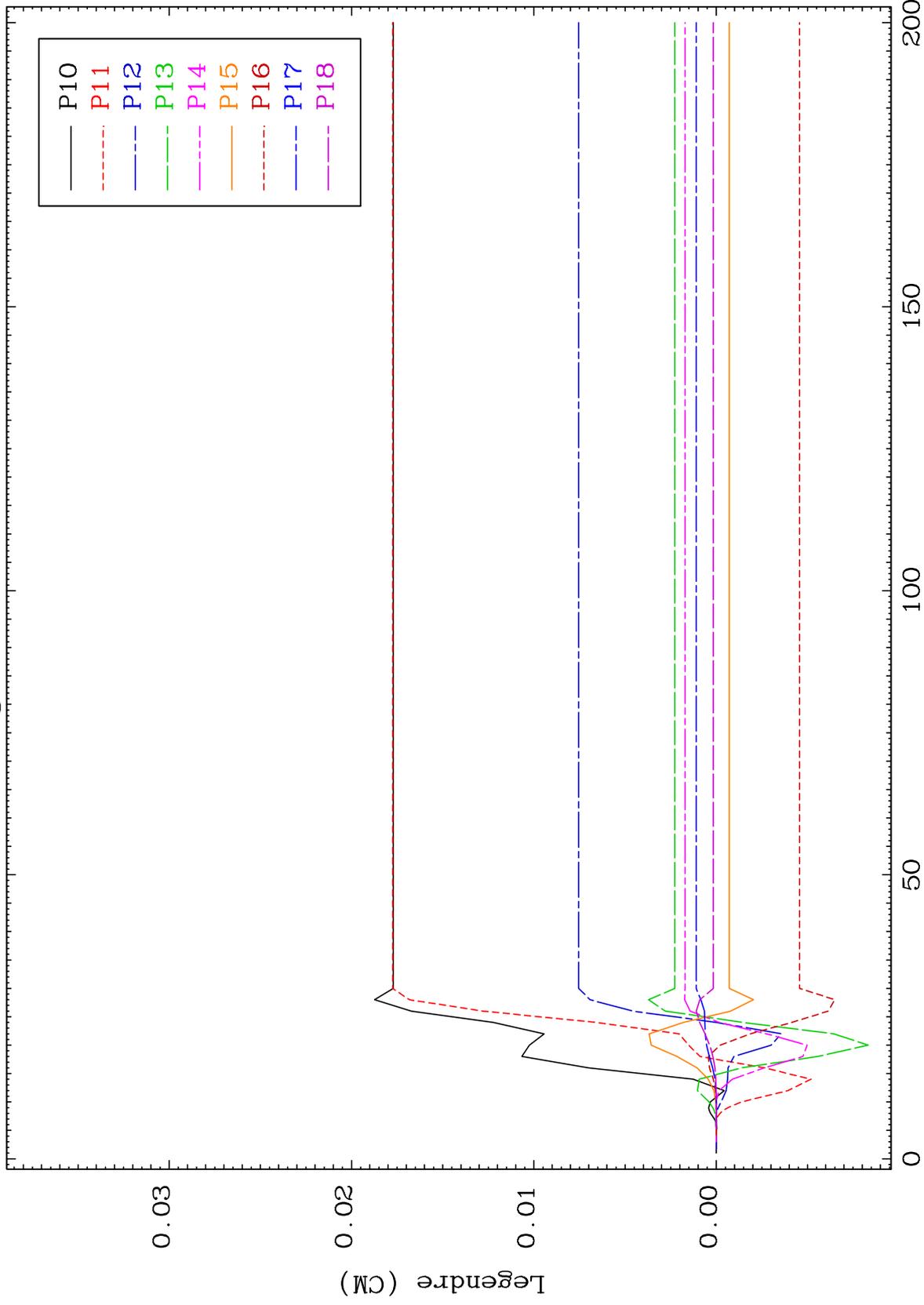
Incident Energy (MeV)

74

MAT 5816

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

58-Ce-133



75

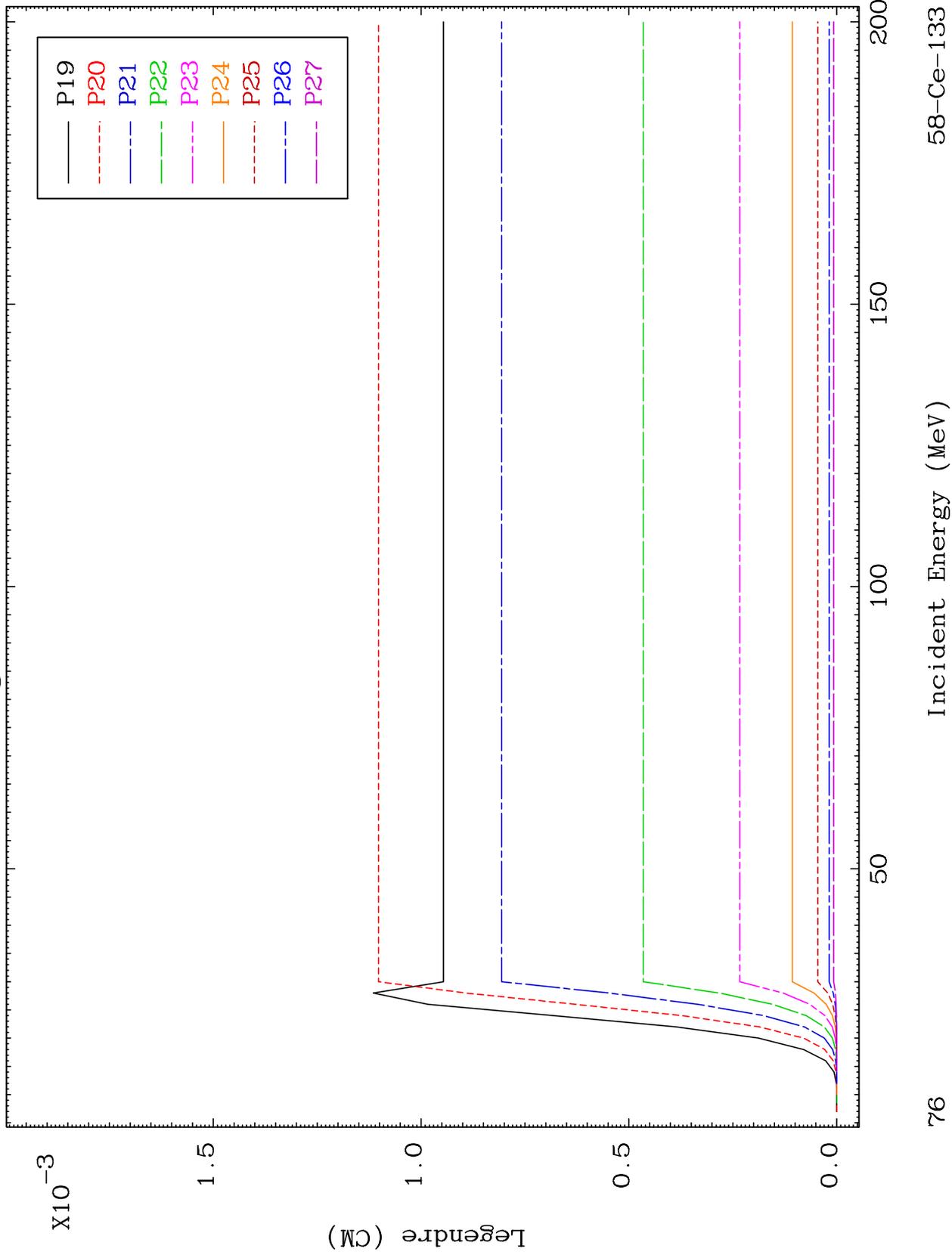
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

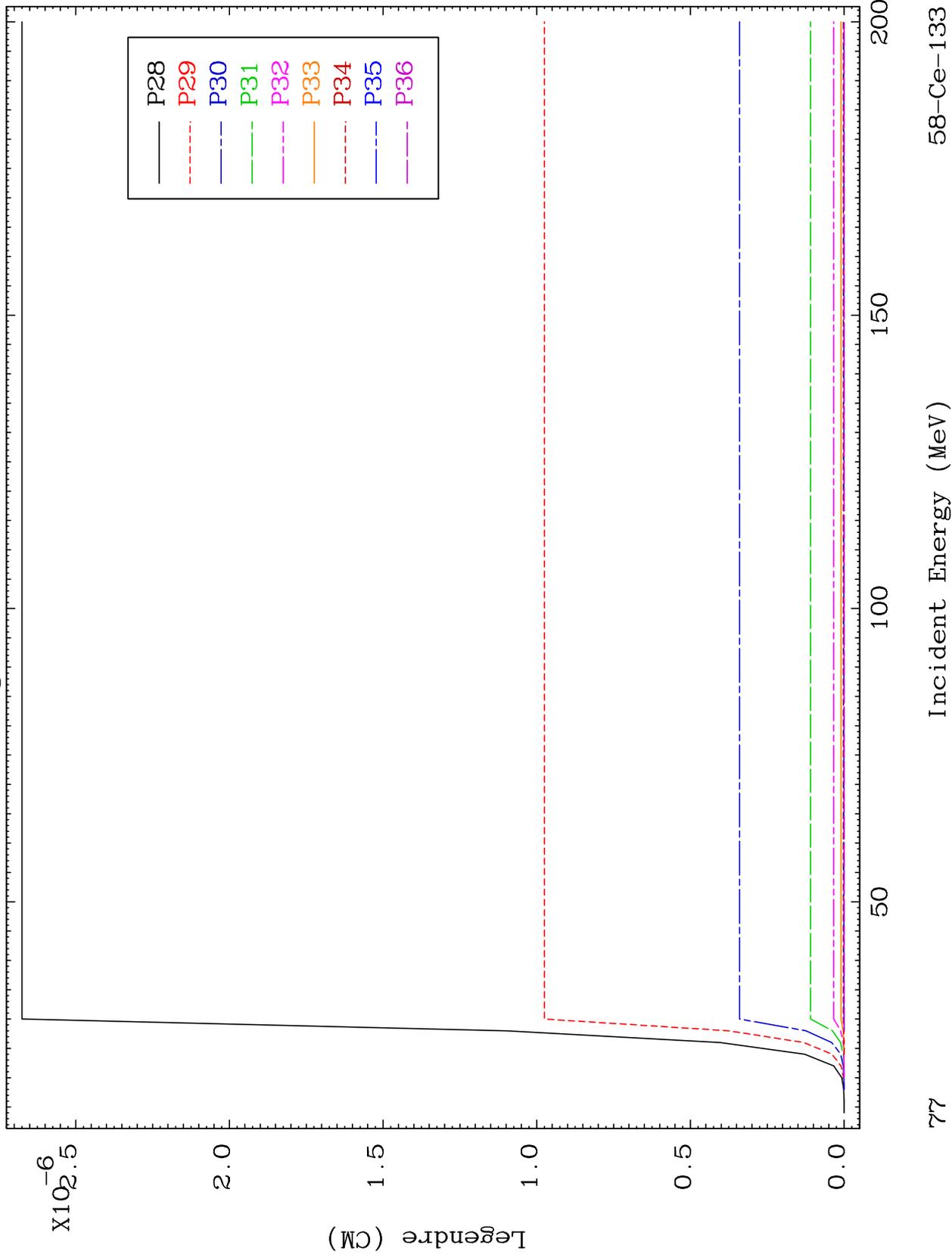
58-Ce-133



MAT 5816

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

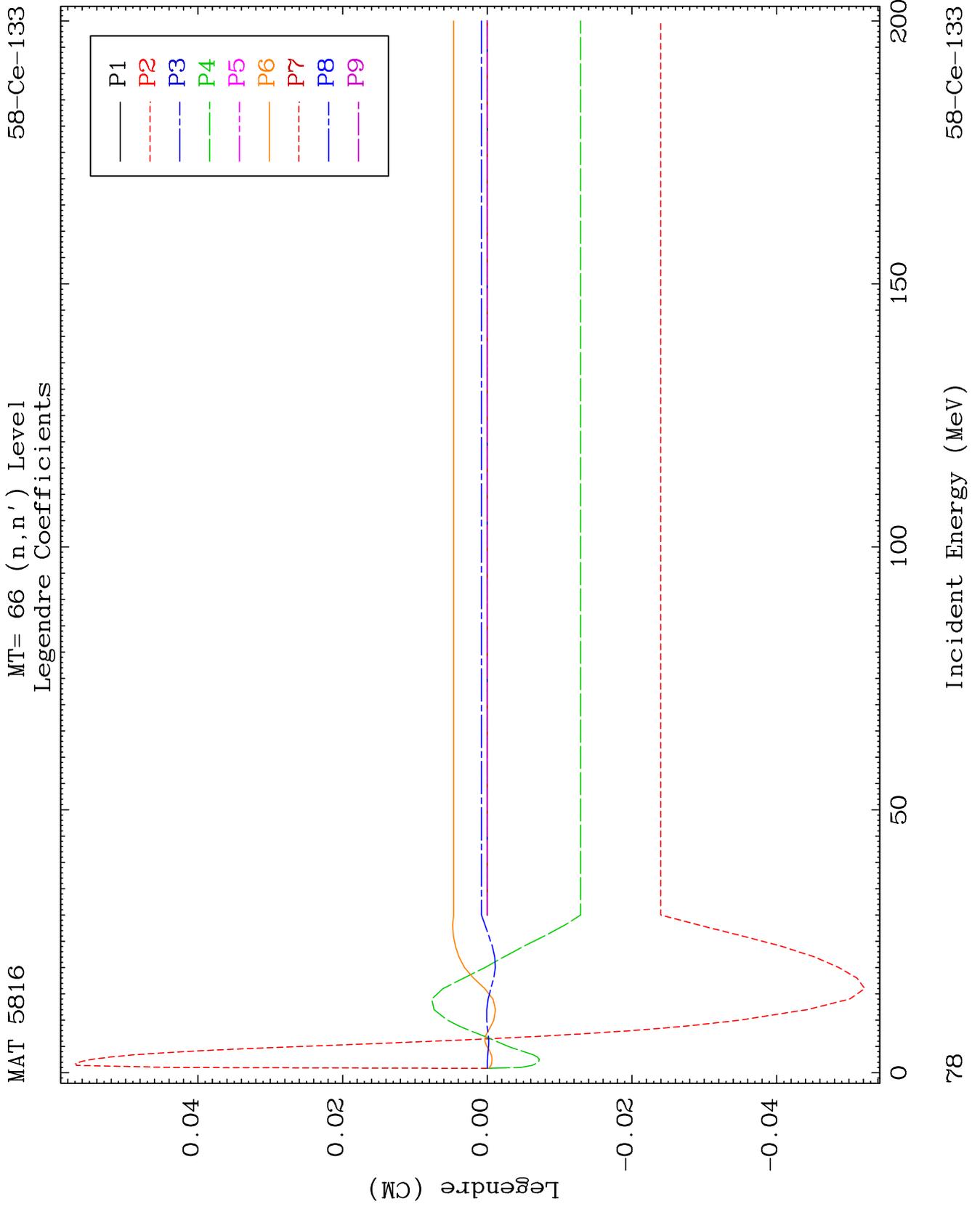
58-Ce-133



77

Incident Energy (MeV)

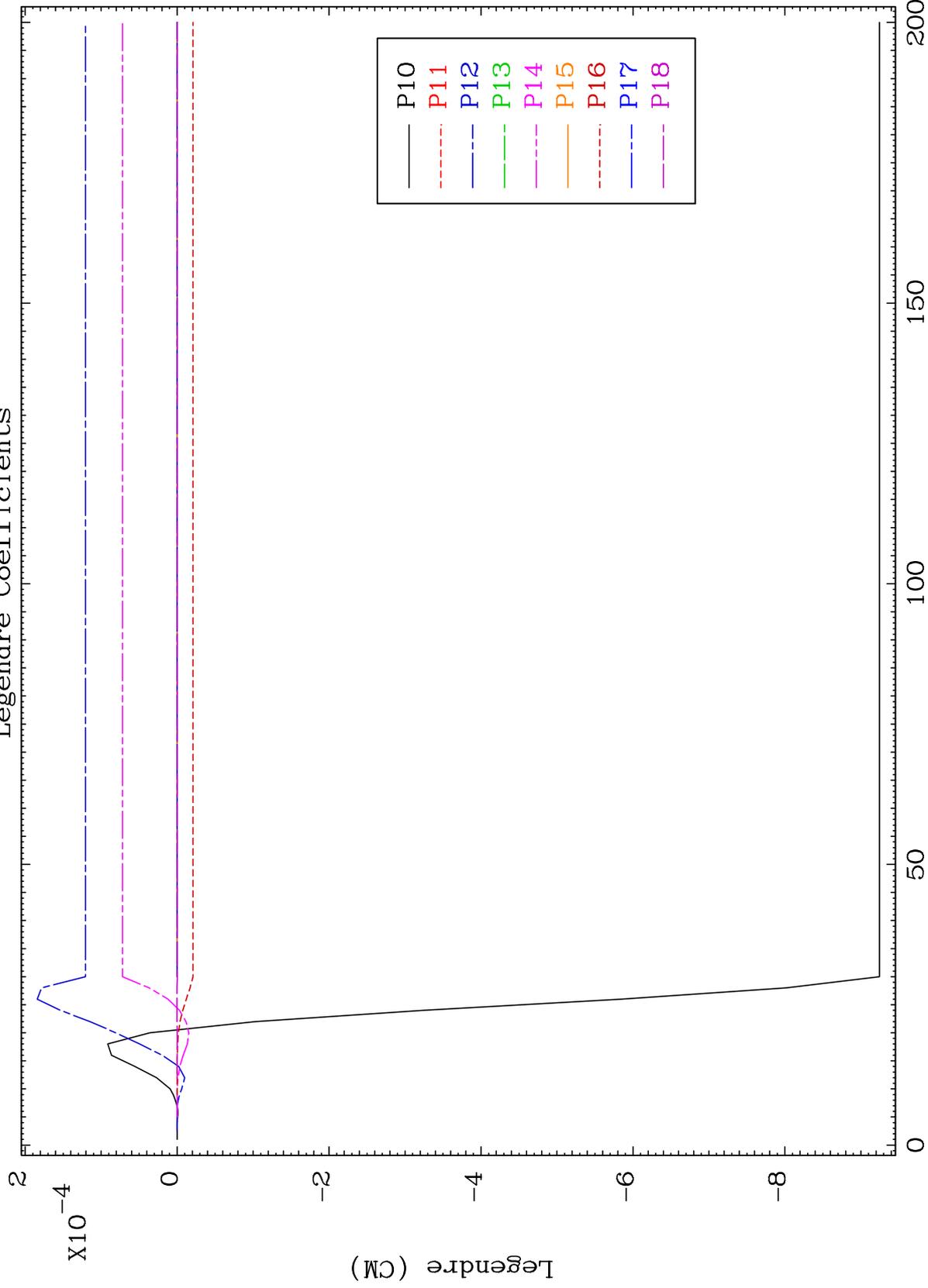
58-Ce-133



MAT 5816

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

58-Ce-133



79

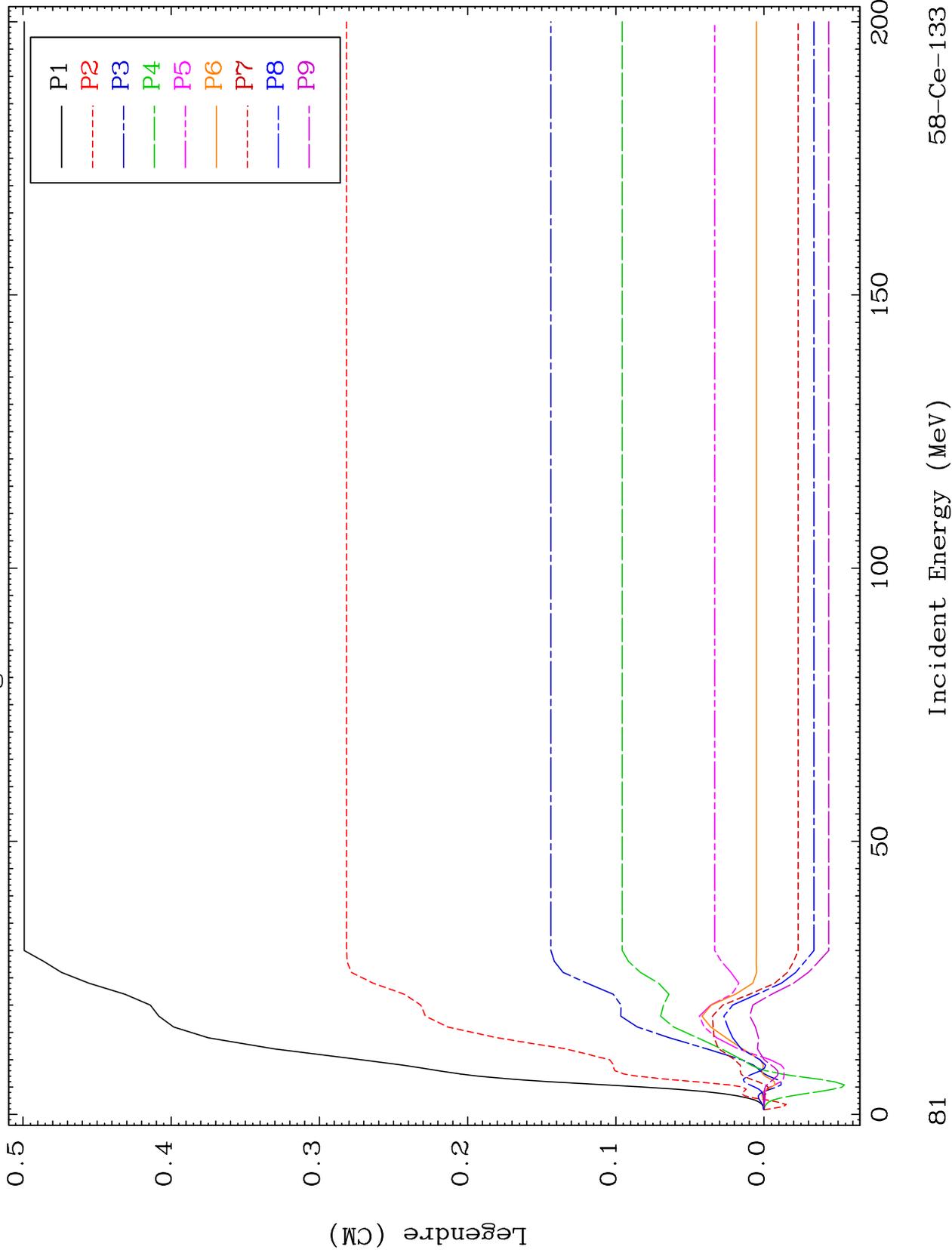
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



58-Ce-133

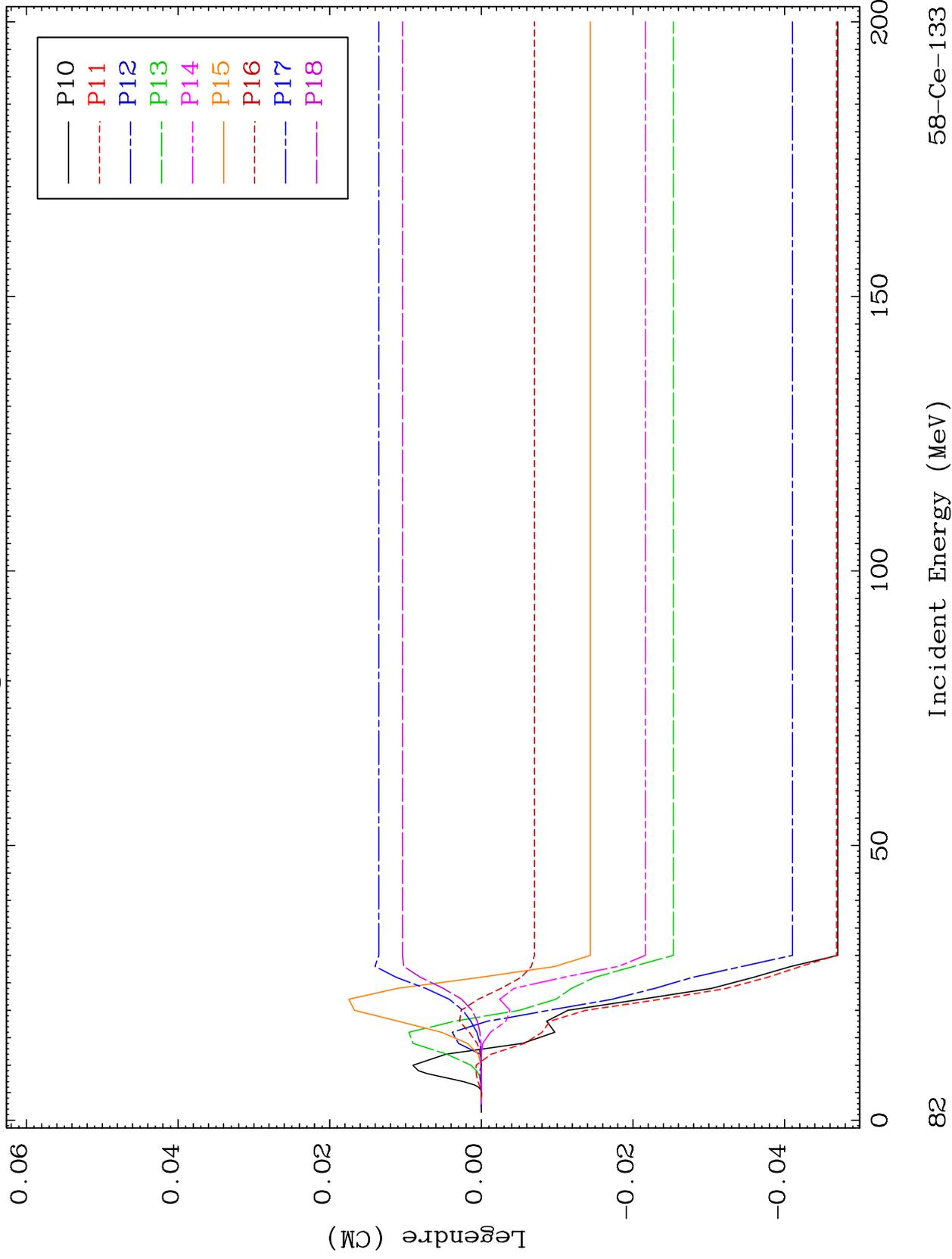
Incident Energy (MeV)

81

MAT 5816

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

58-Ce-133



58-Ce-133

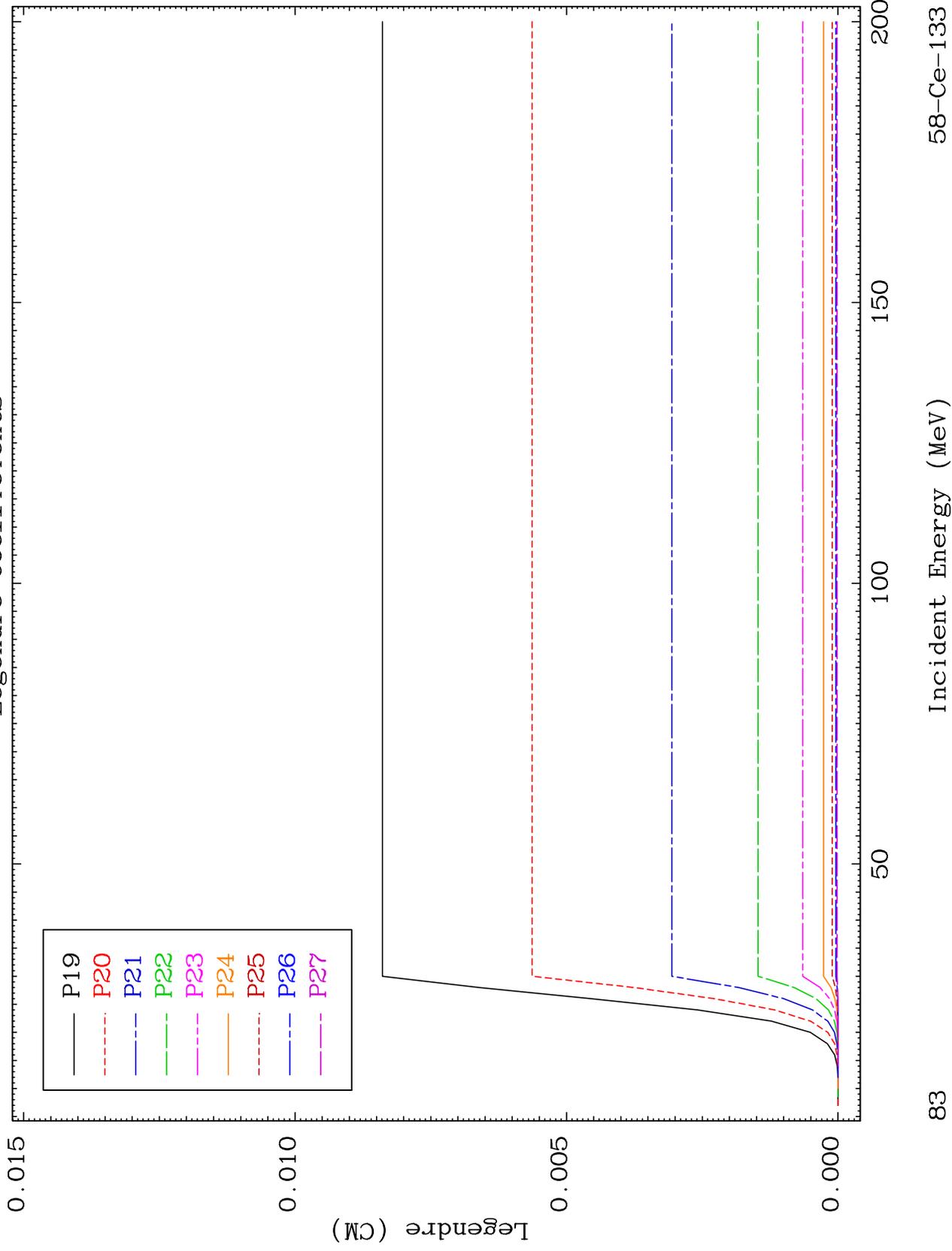
Incident Energy (MeV)

82

MAT 5816

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

58-Ce-133



83

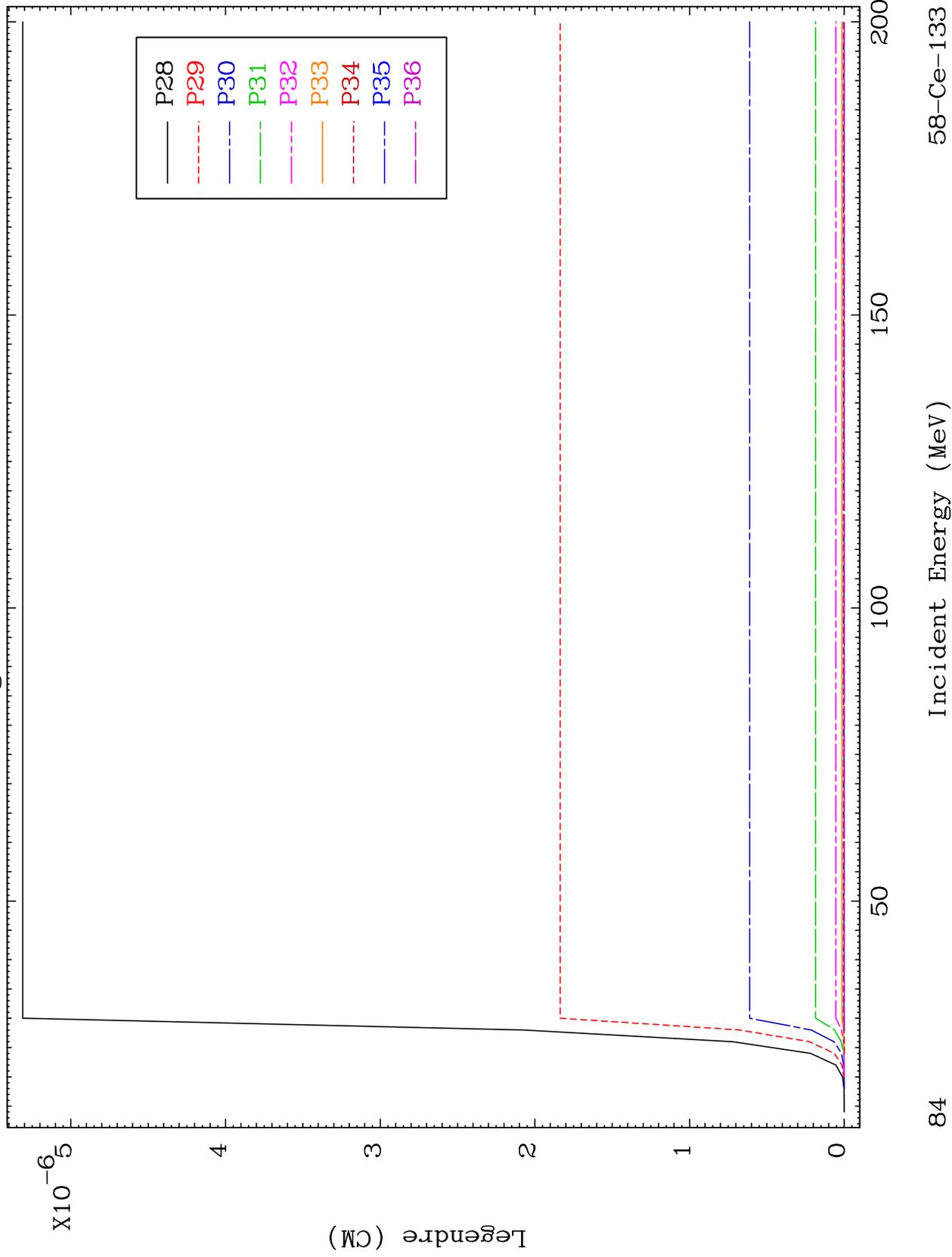
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

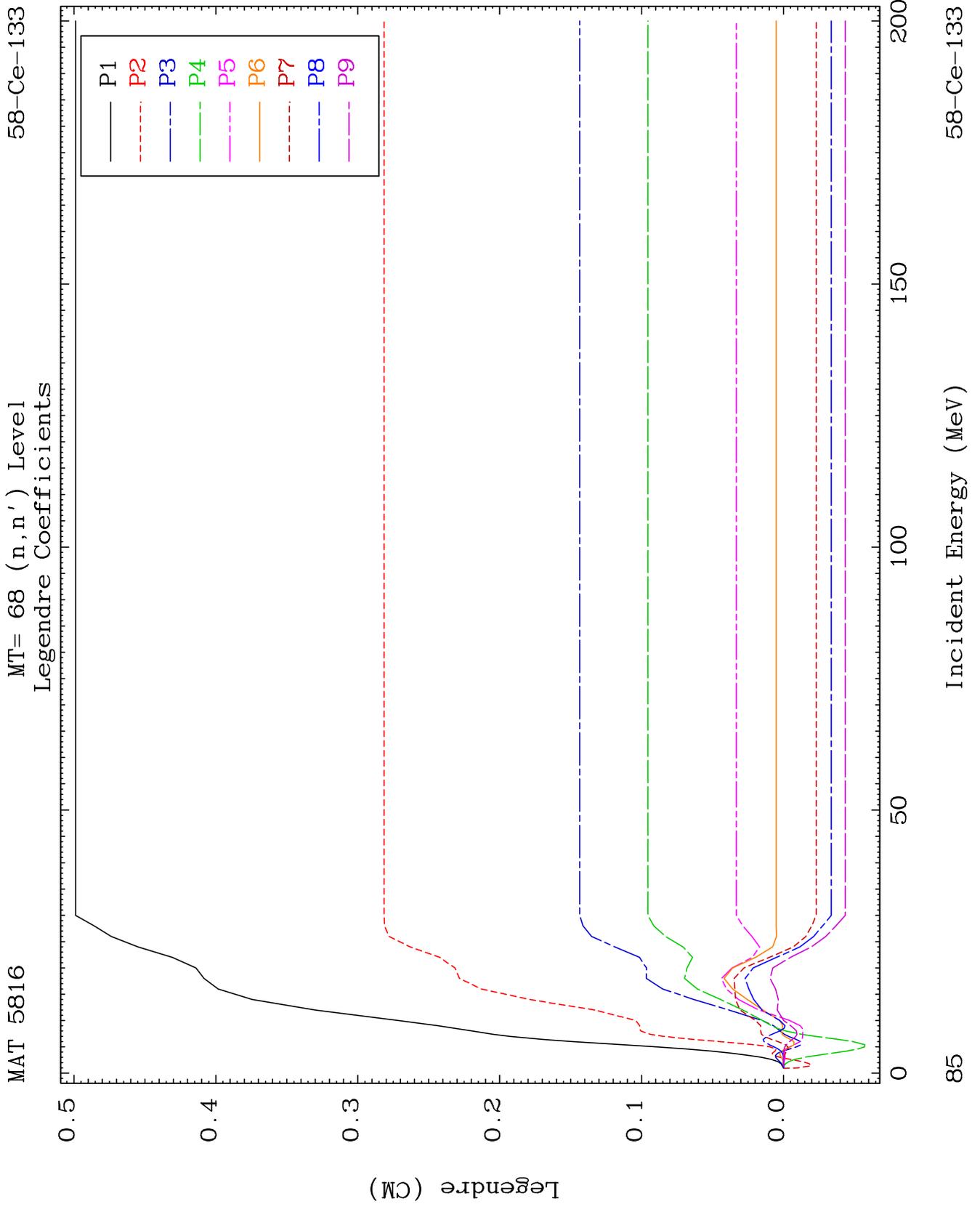
58-Ce-133



84

Incident Energy (MeV)

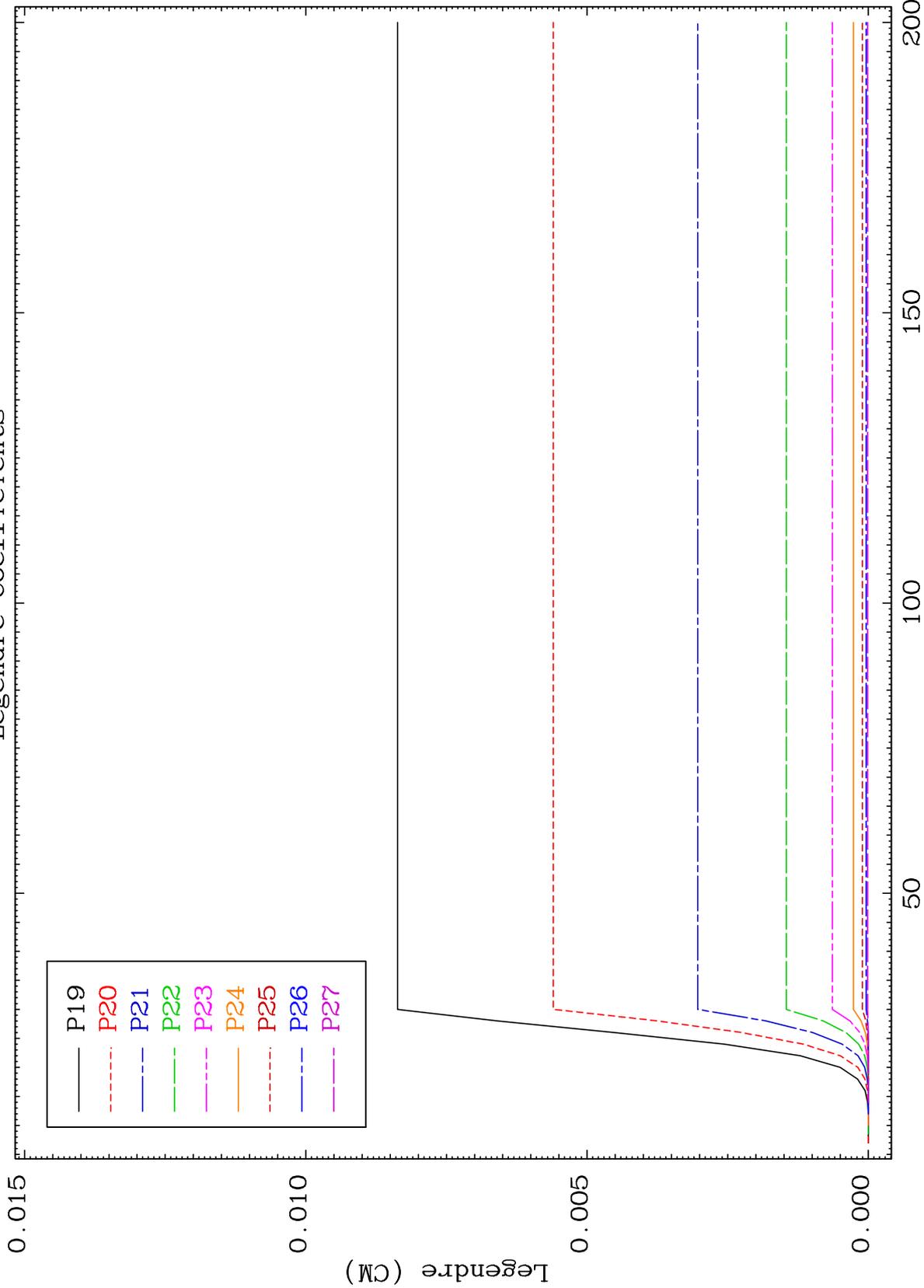
58-Ce-133



MAT 5816

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

58-Ce-133



87

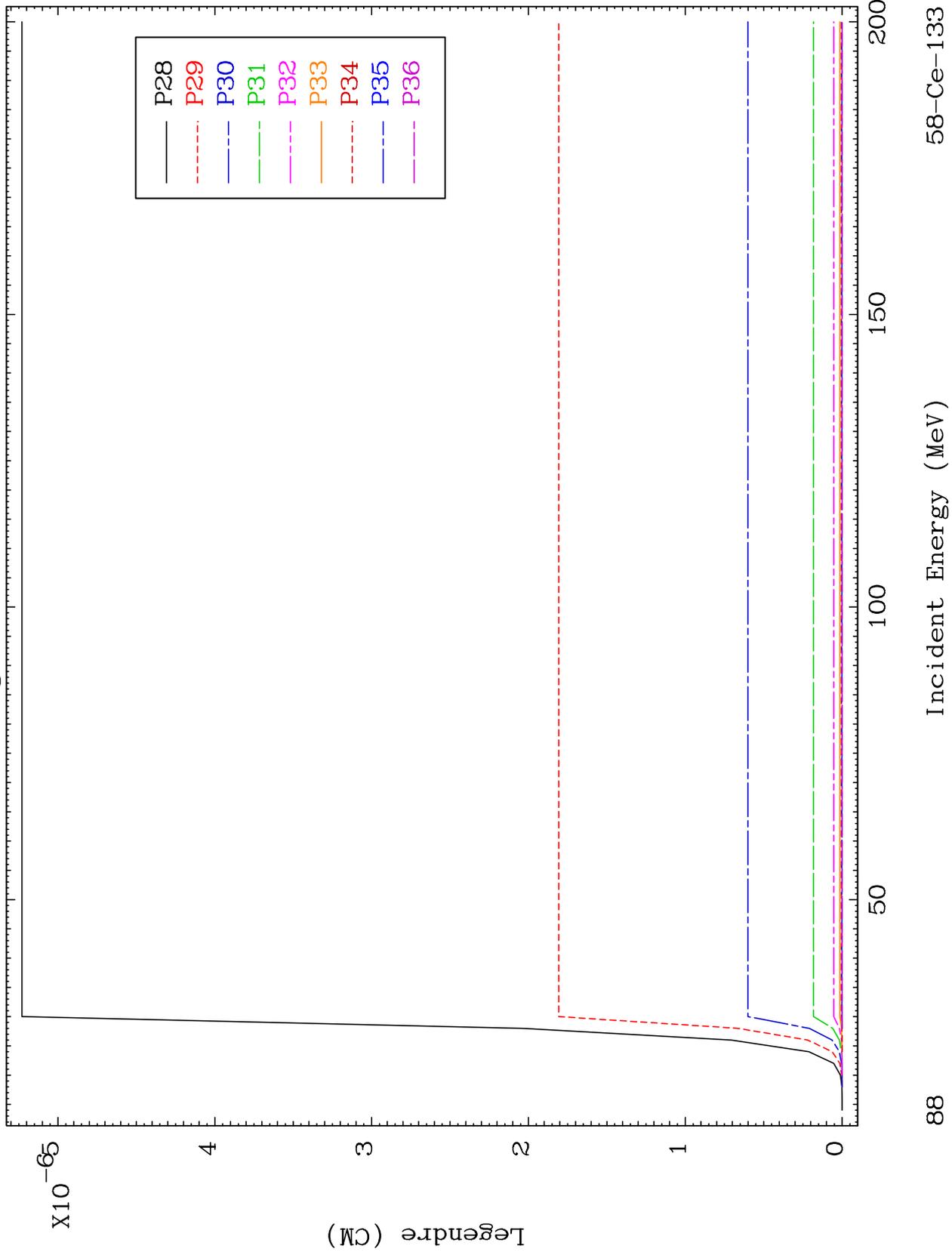
Incident Energy (MeV)

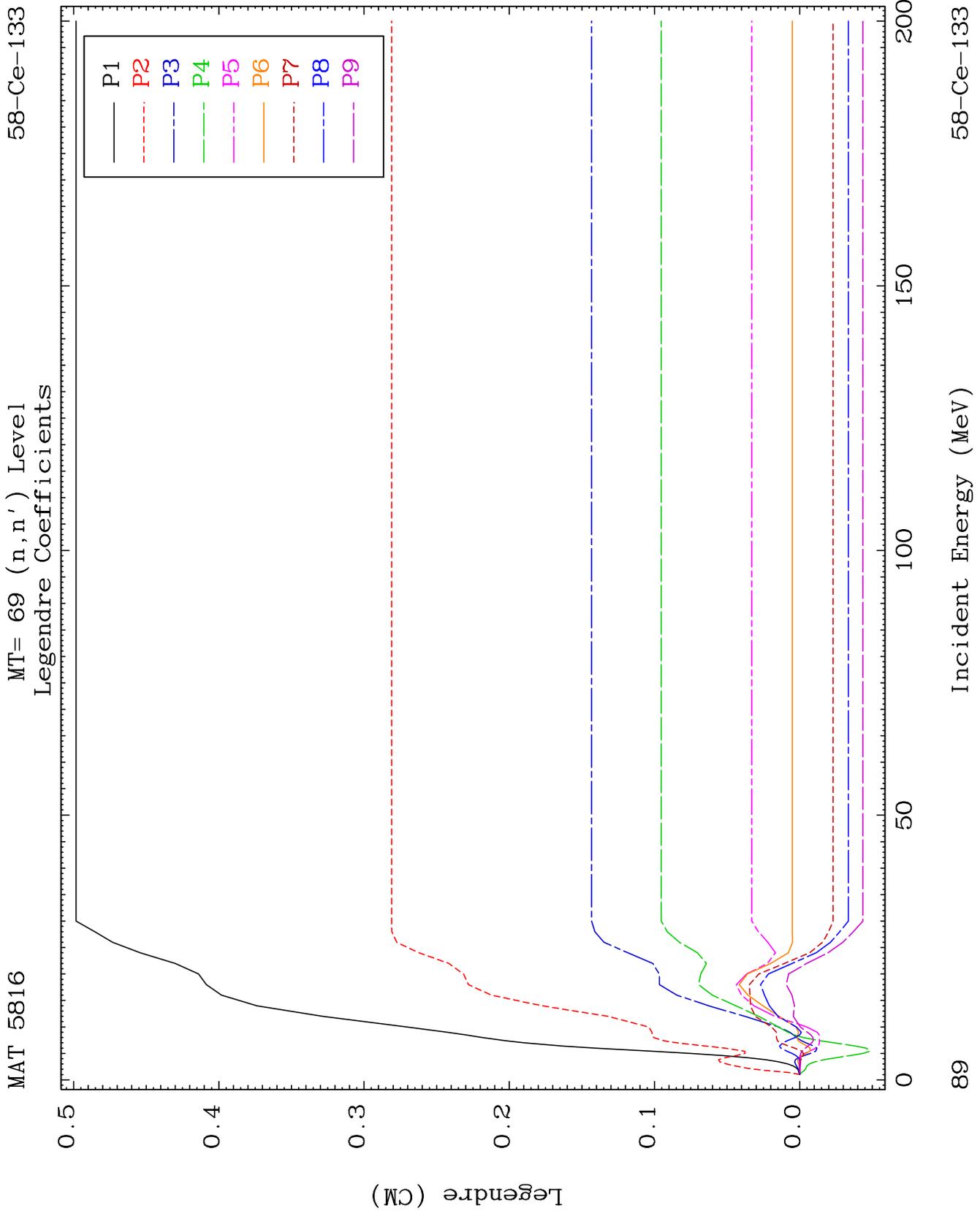
58-Ce-133

MAT 5816

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

58-Ce-133

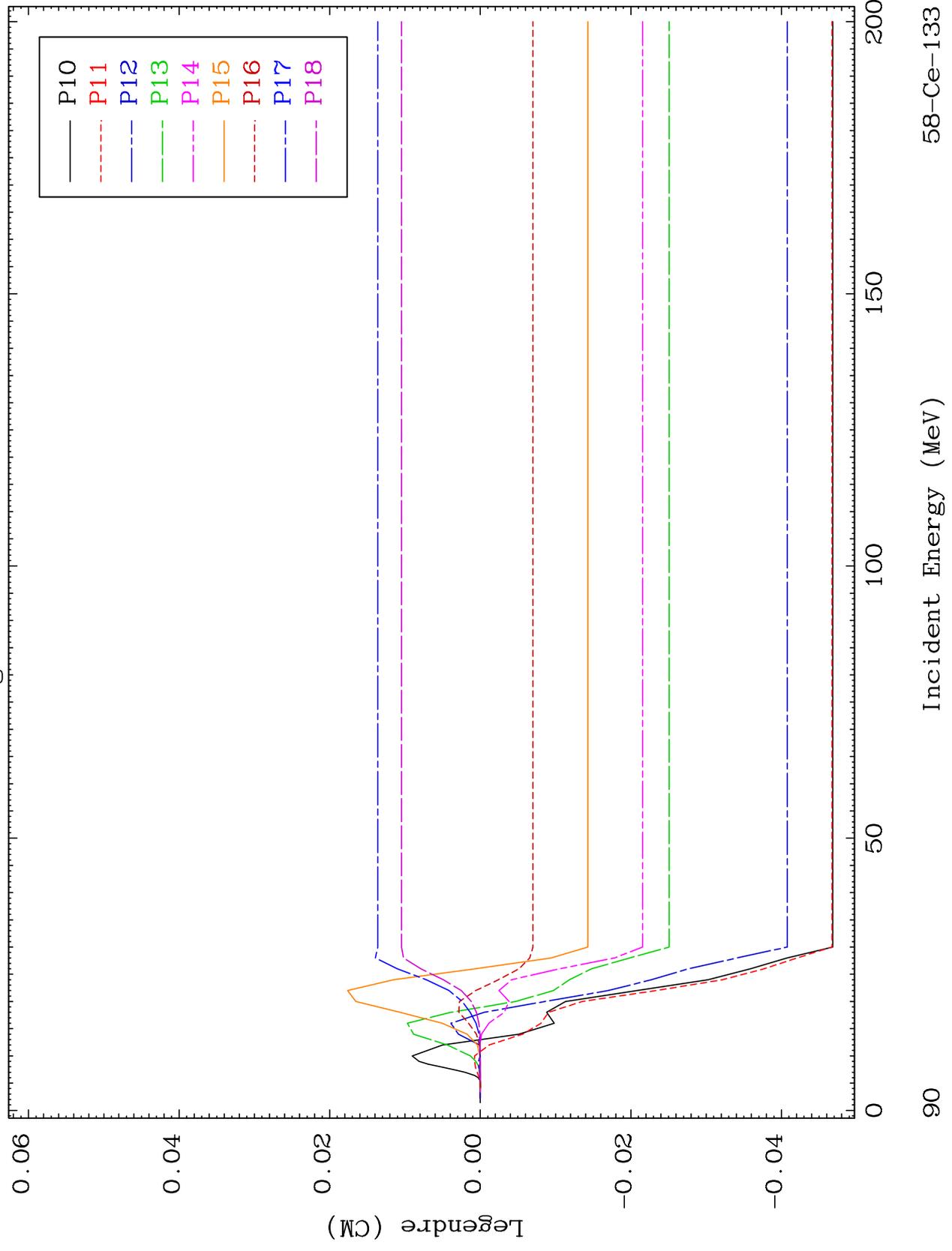




MAT 5816

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

58-Ce-133



58-Ce-133

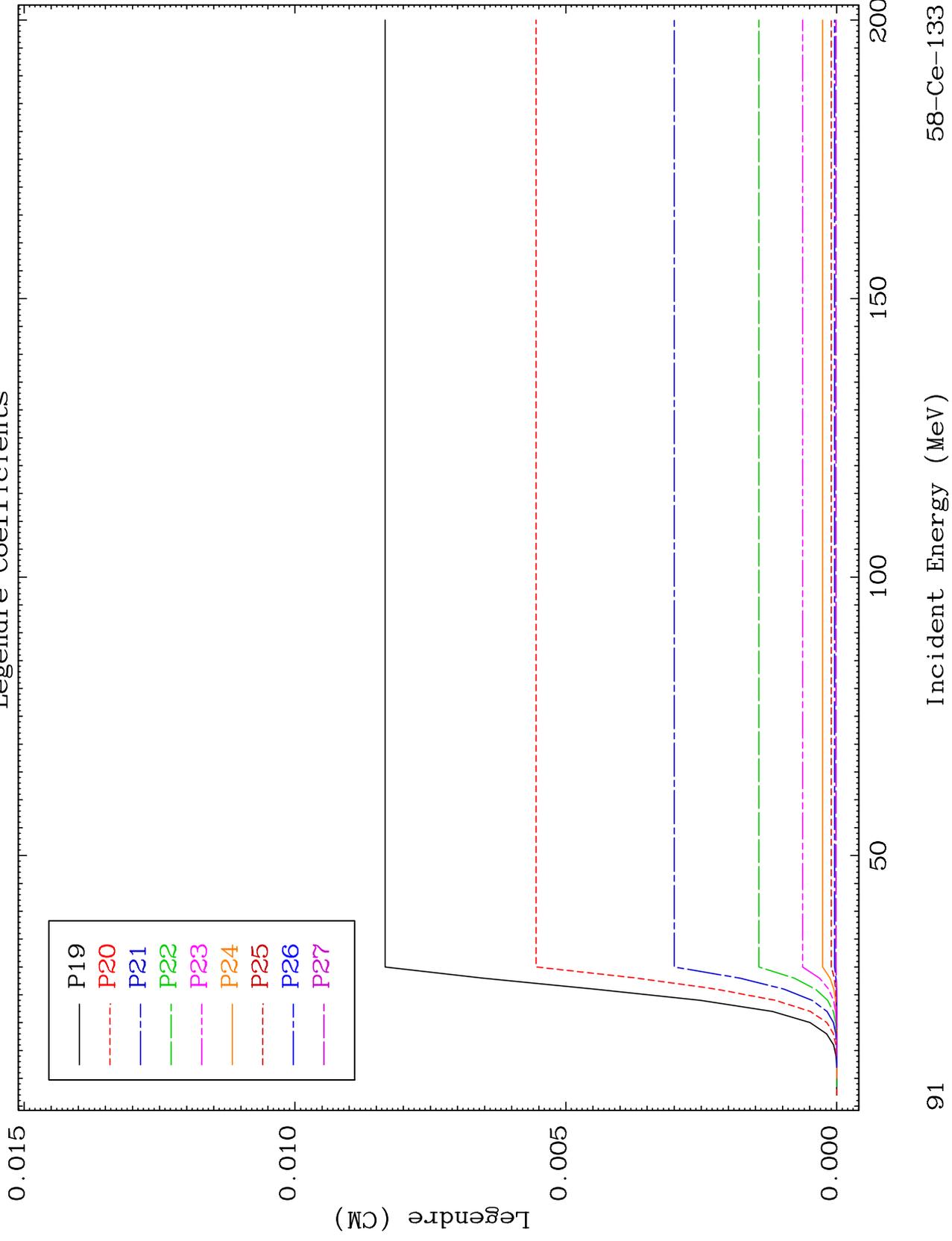
Incident Energy (MeV)

90

MAT 5816

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

58-Ce-133



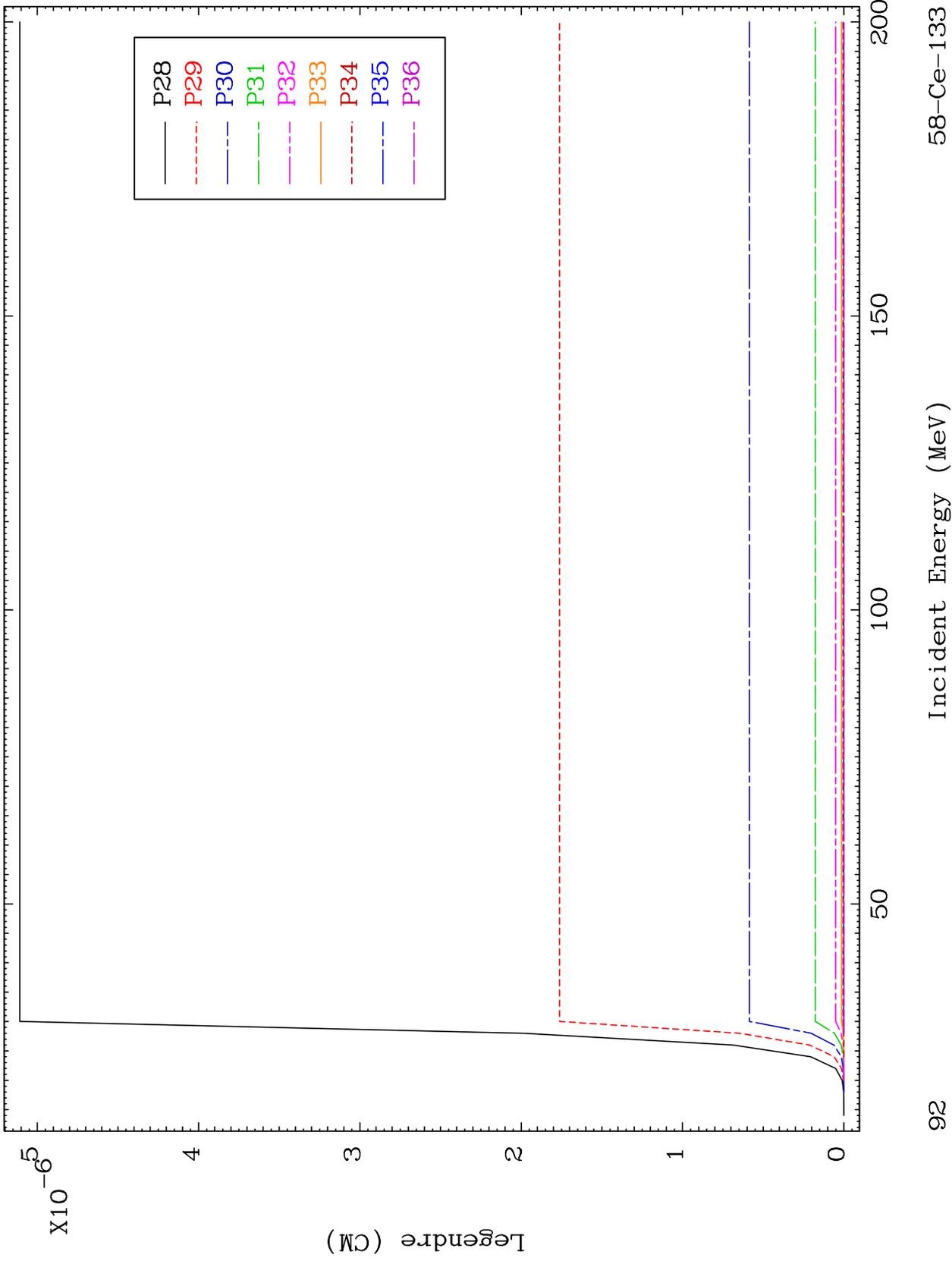
91

58-Ce-133

MAT 5816

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

58-Ce-133

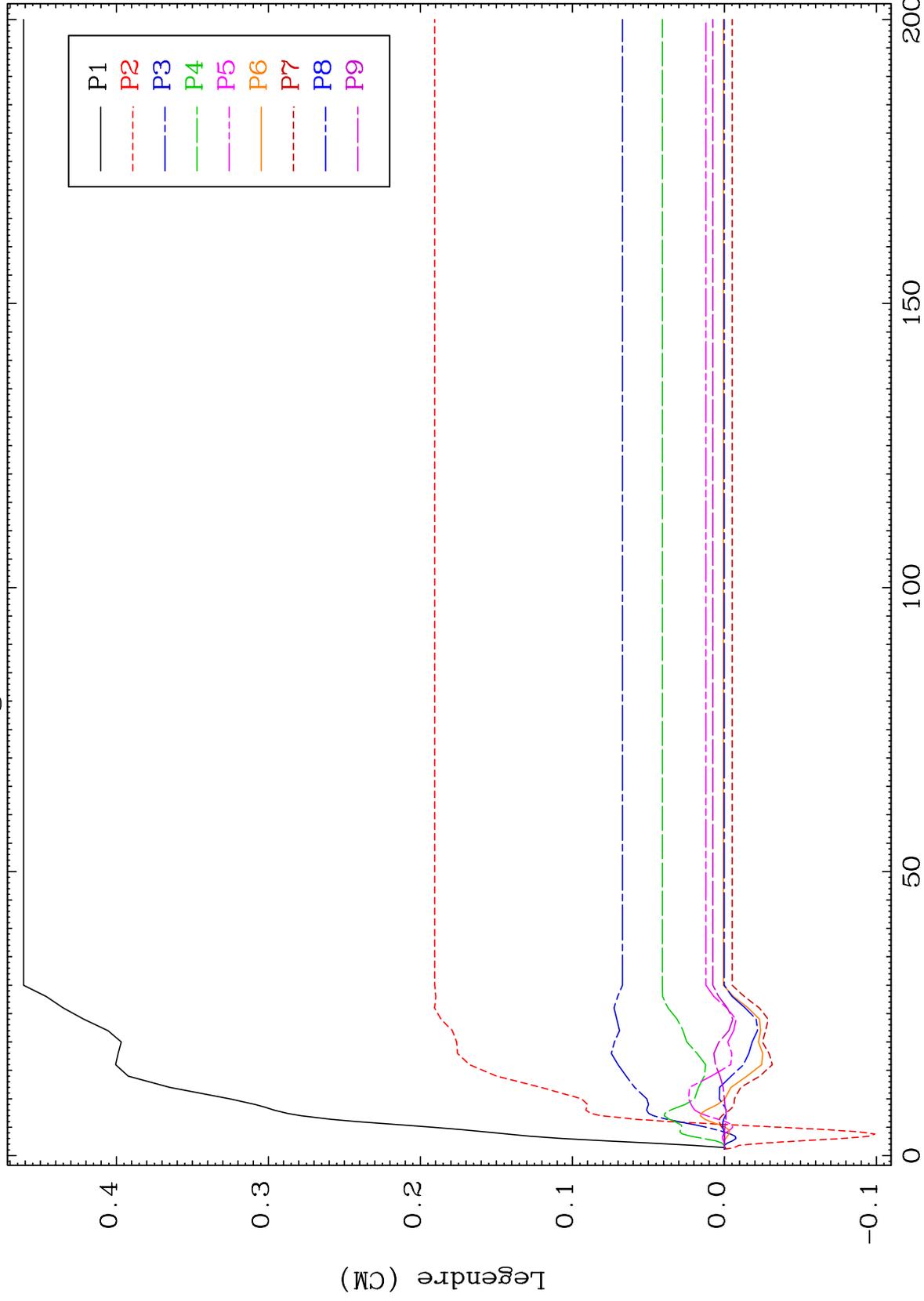


92

MAT 5816

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

58-Ce-133



93

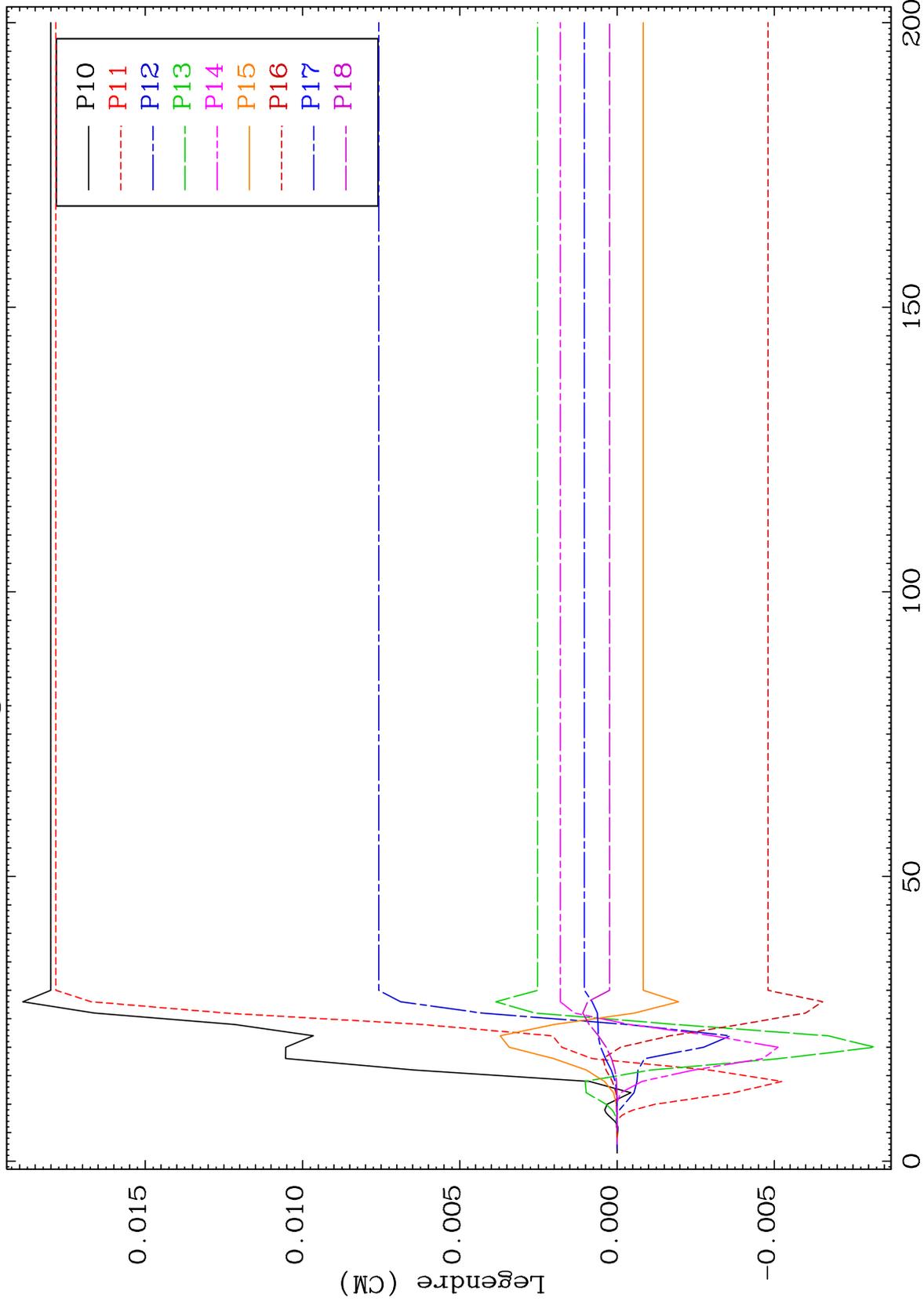
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



94

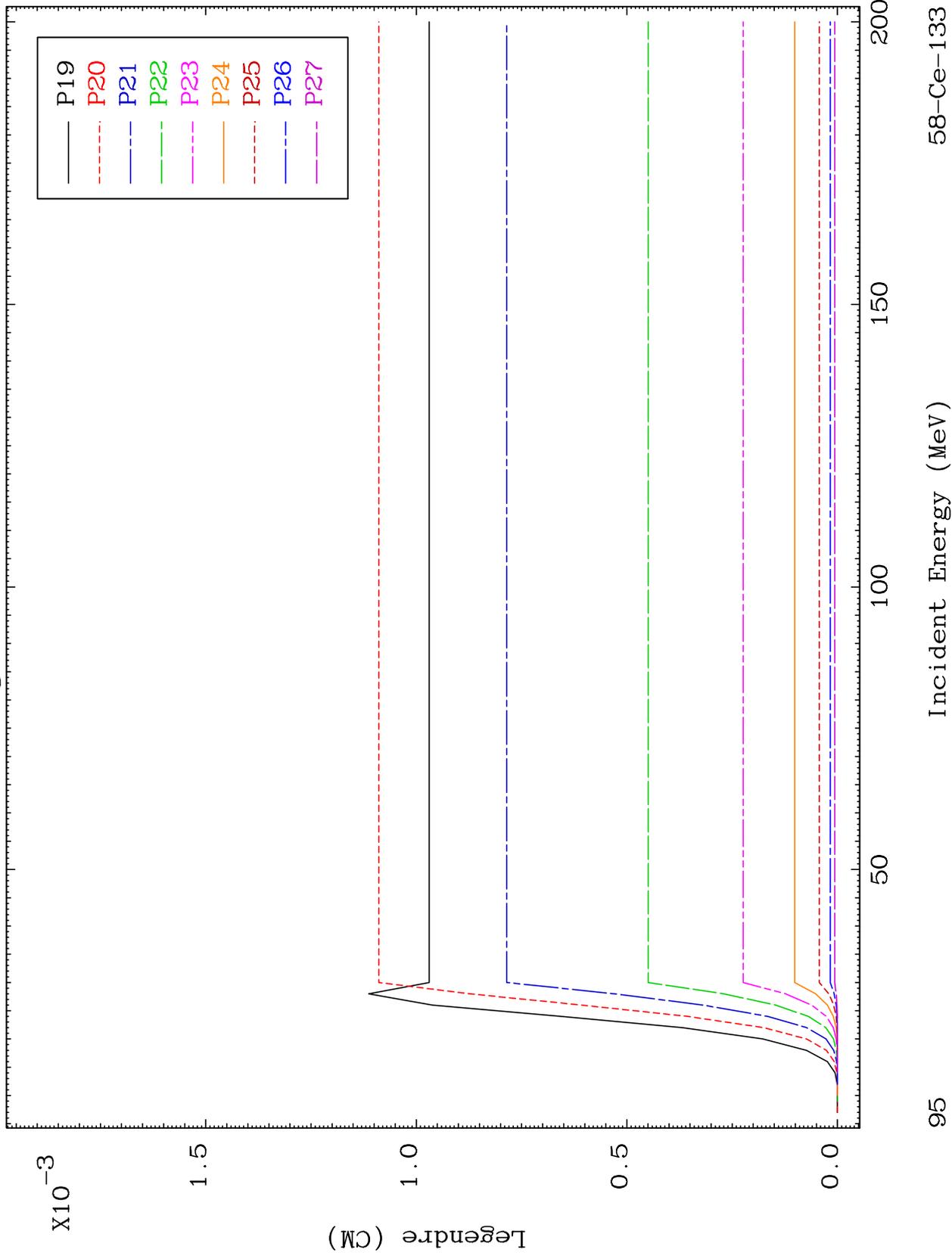
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



95

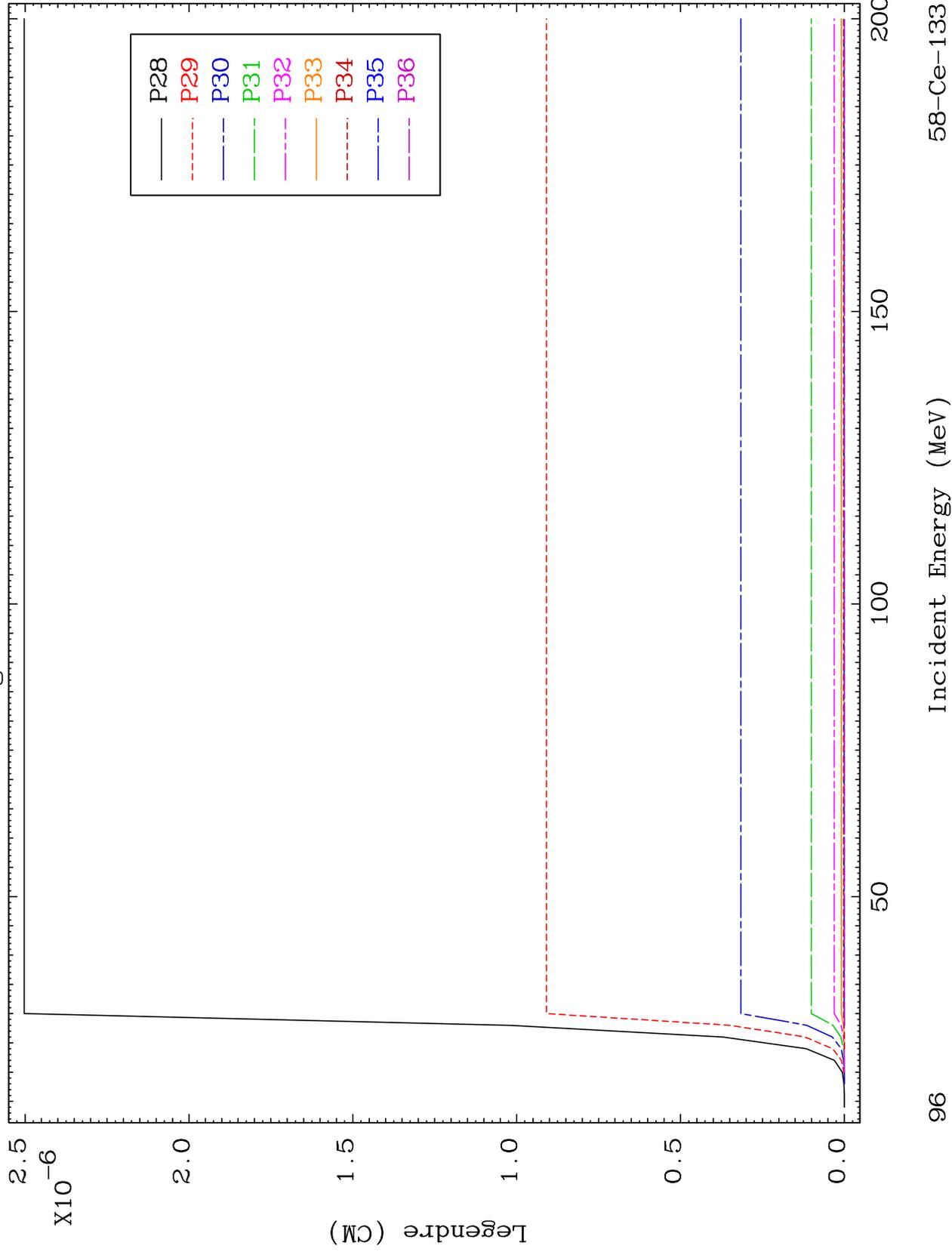
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

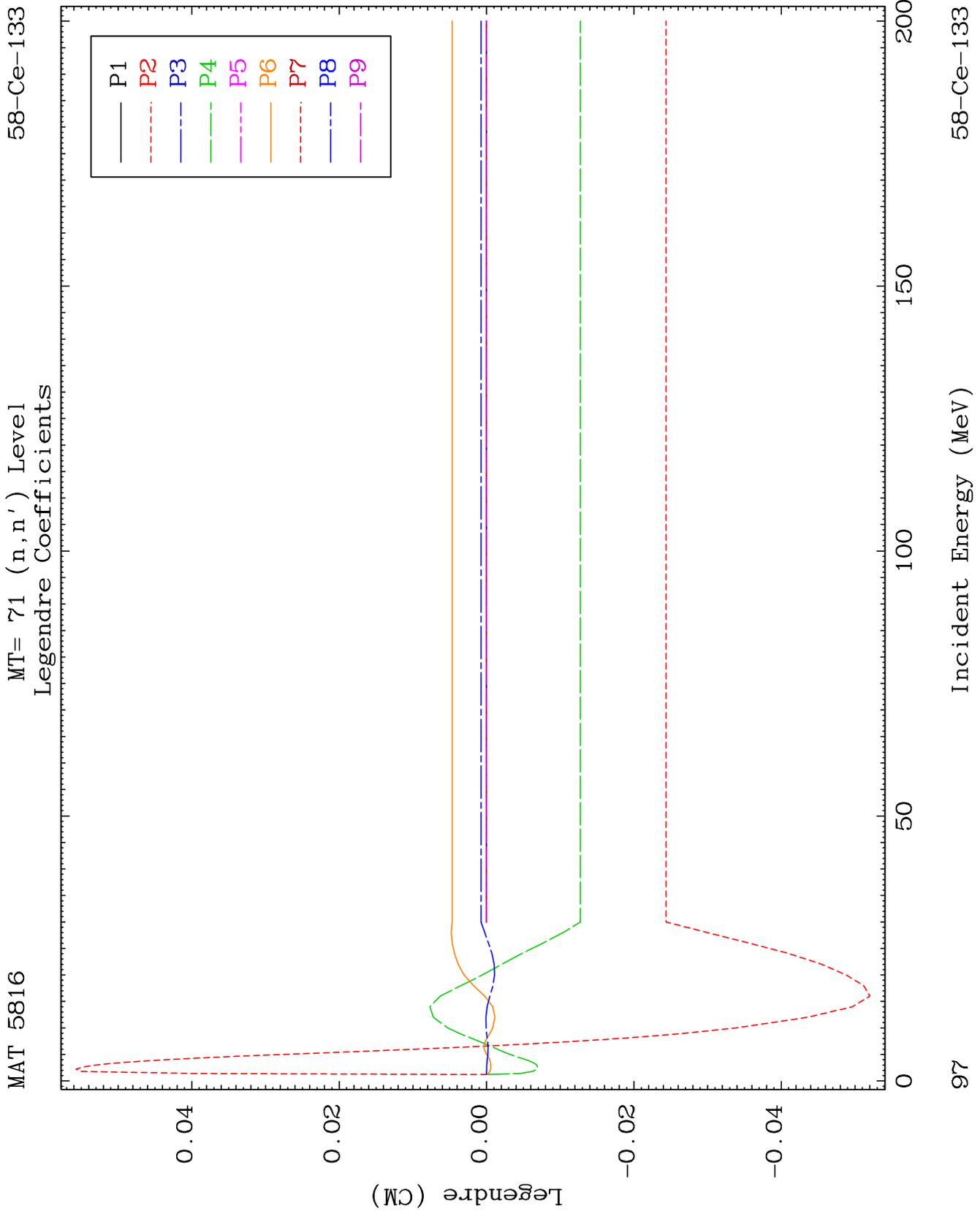
58-Ce-133



96

Incident Energy (MeV)

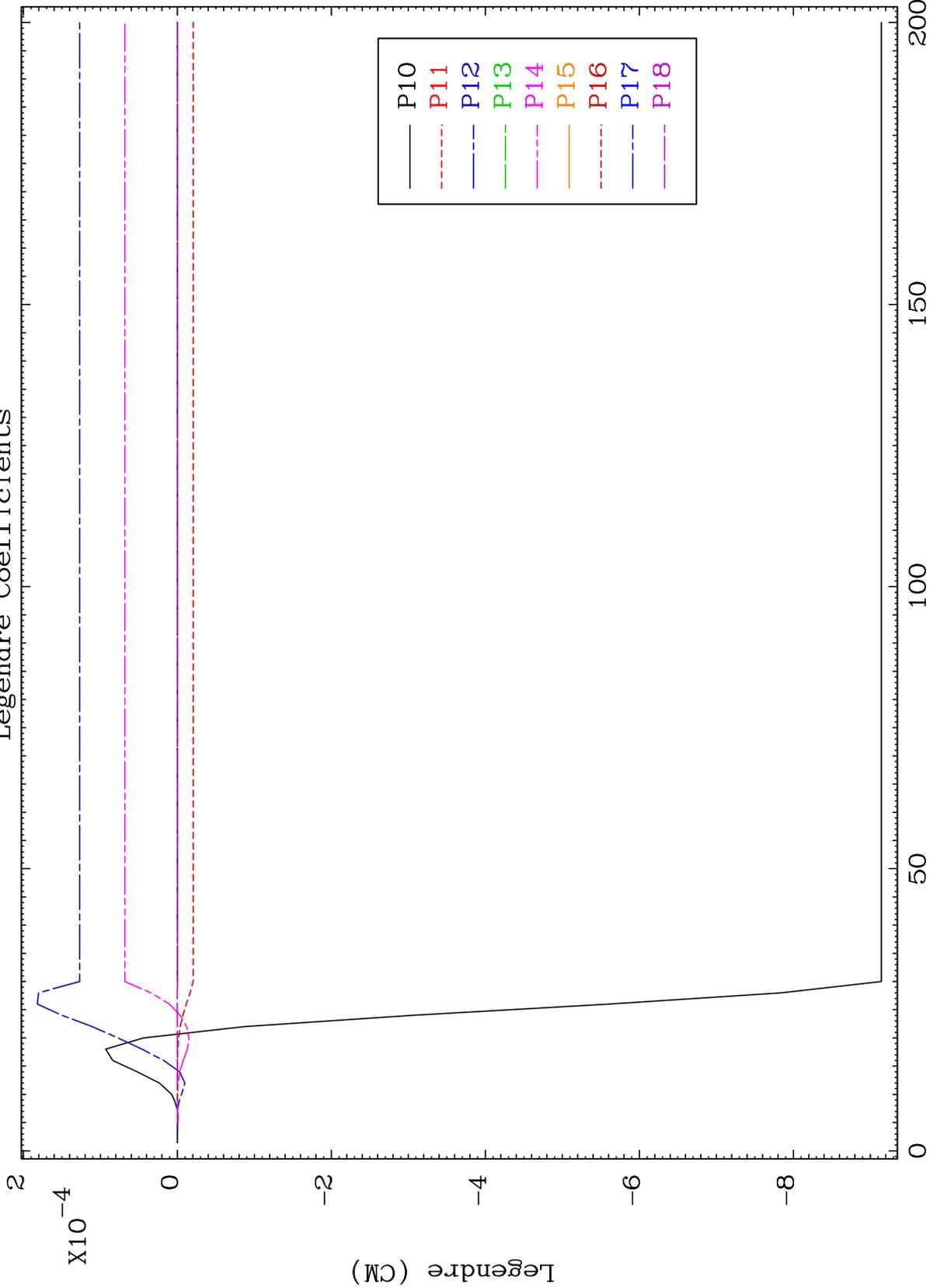
58-Ce-133



MAT 5816

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

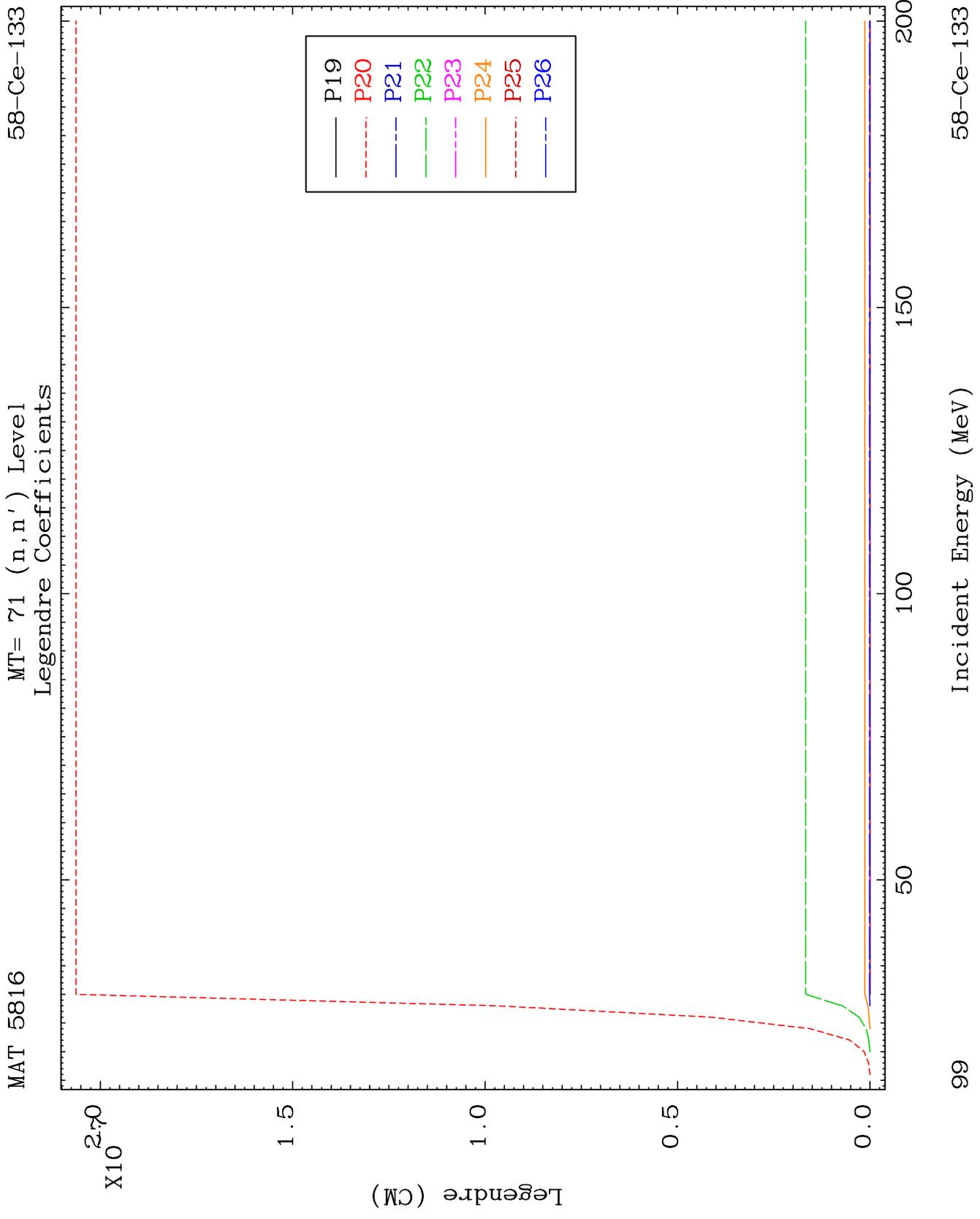
58-Ce-133



98

Incident Energy (MeV)

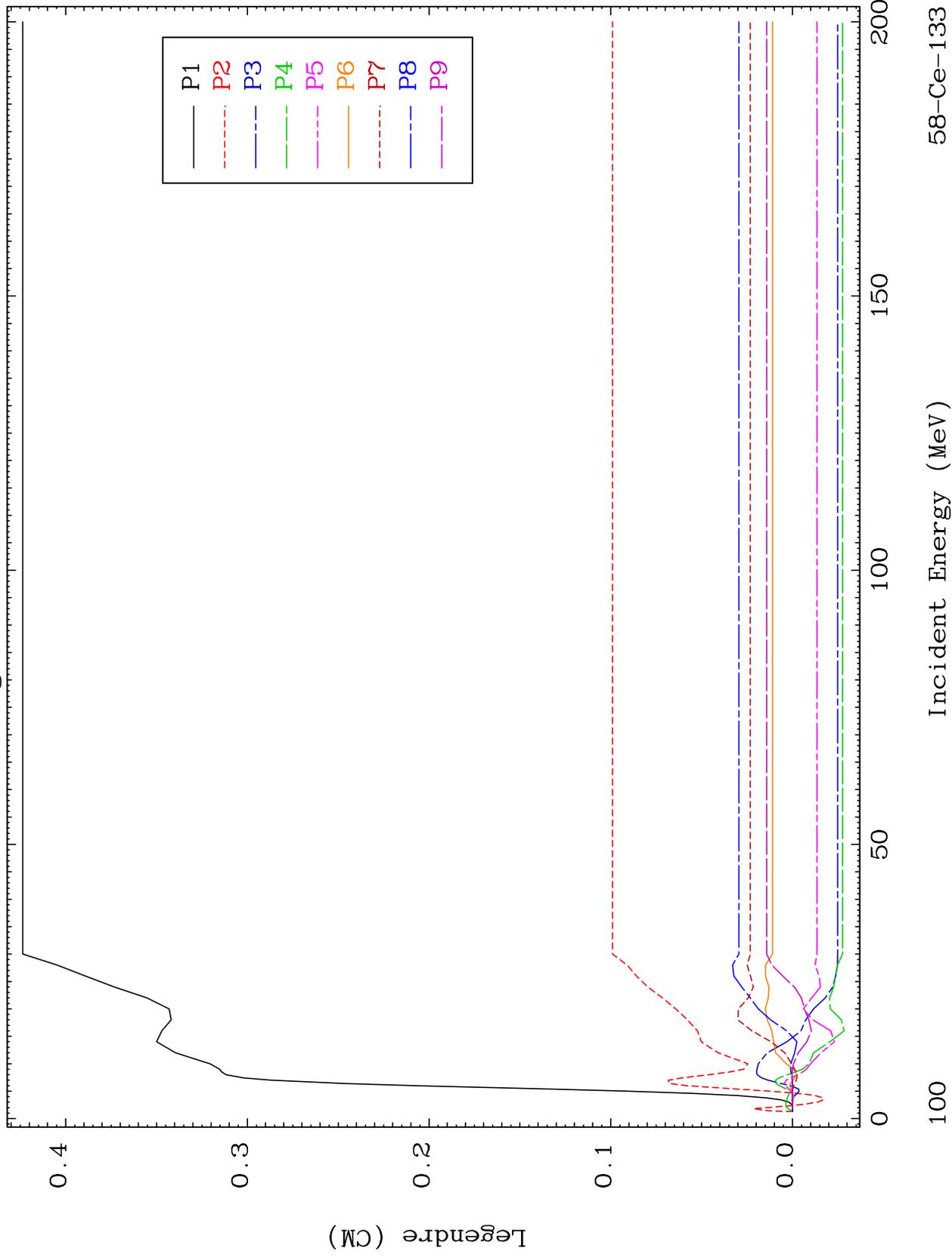
58-Ce-133



MAT 5816

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

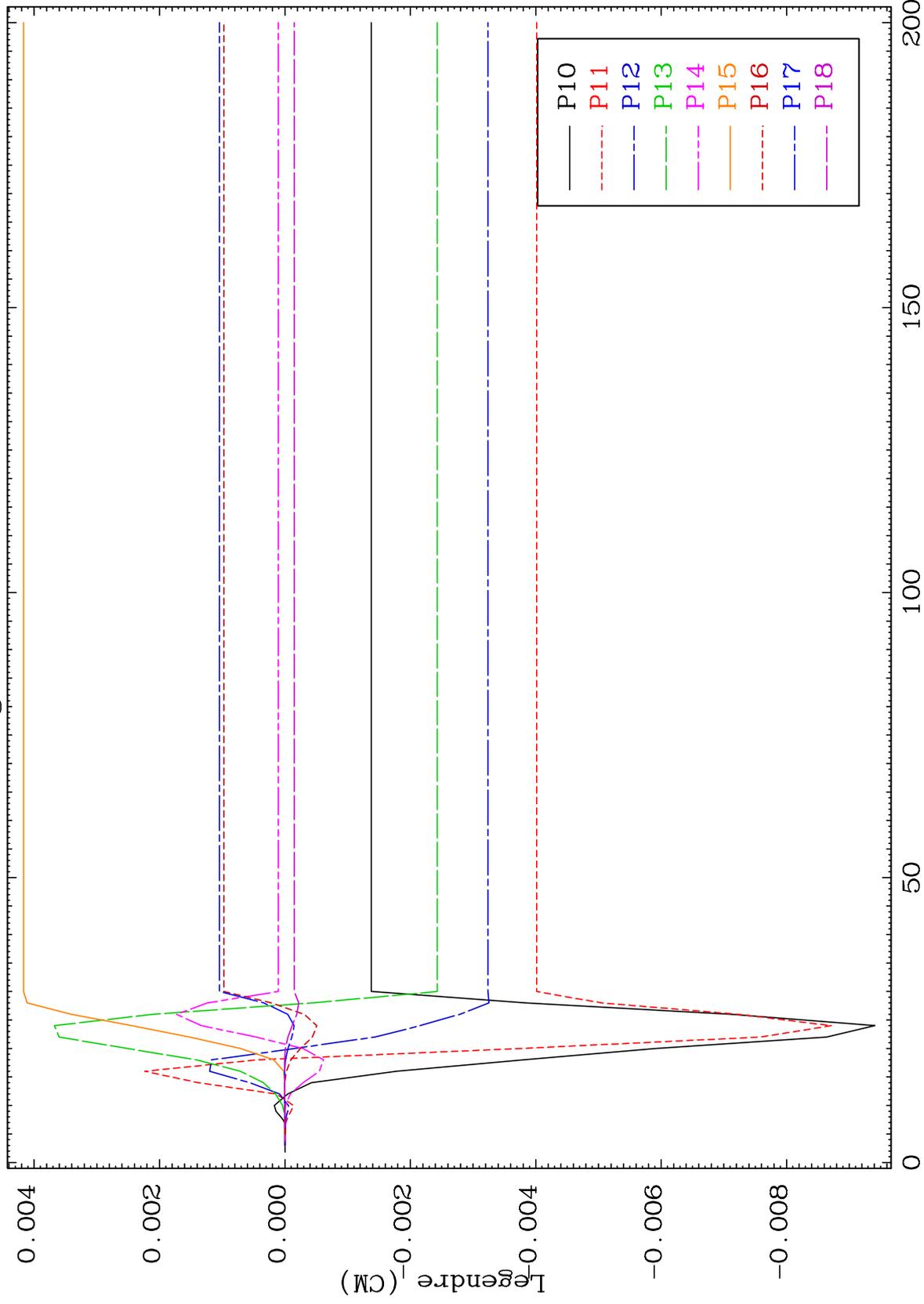
58-Ce-133



MAT 5816

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

58-Ce-133



101

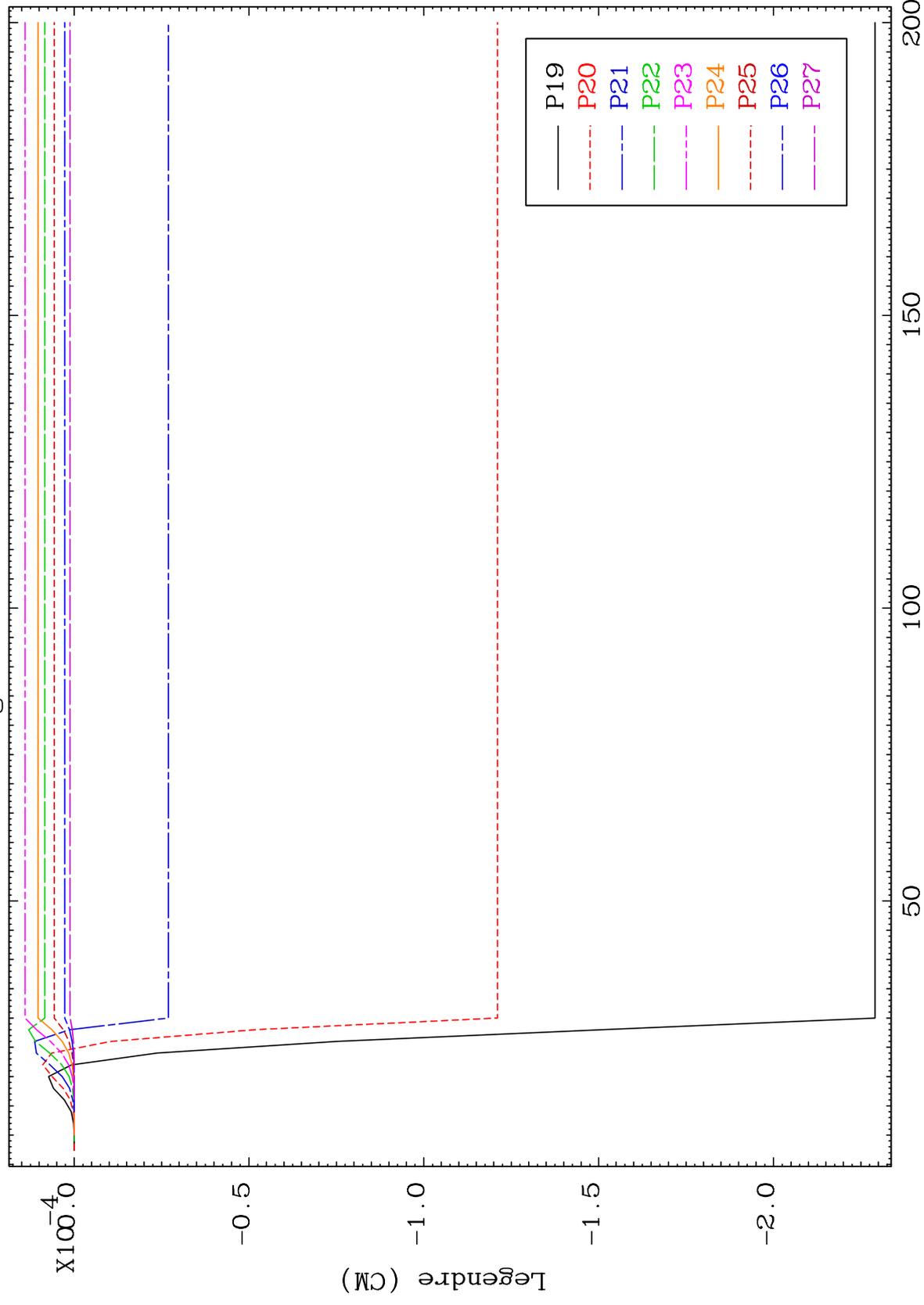
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



102

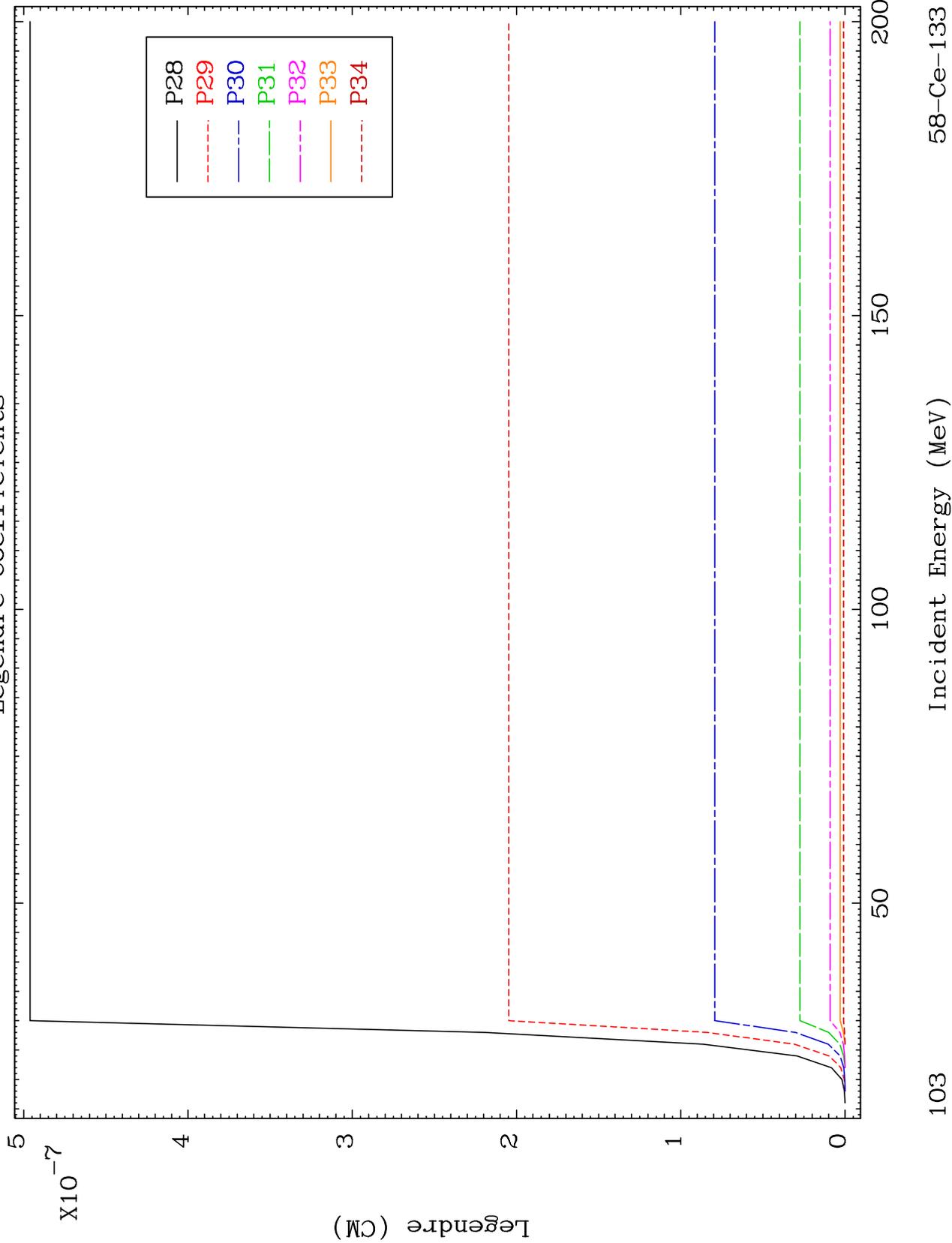
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

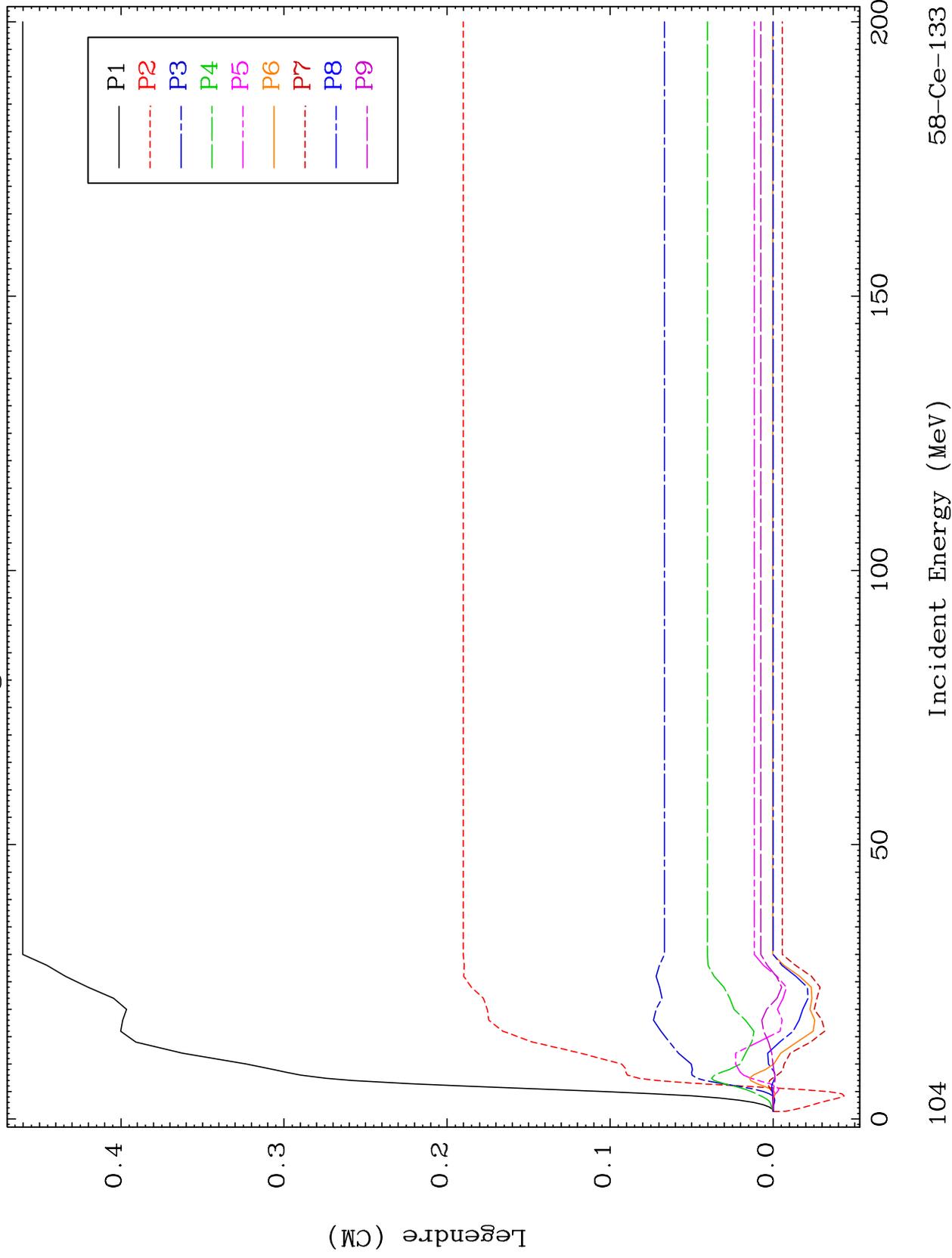
58-Ce-133



MAT 5816

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

58-Ce-133



58-Ce-133

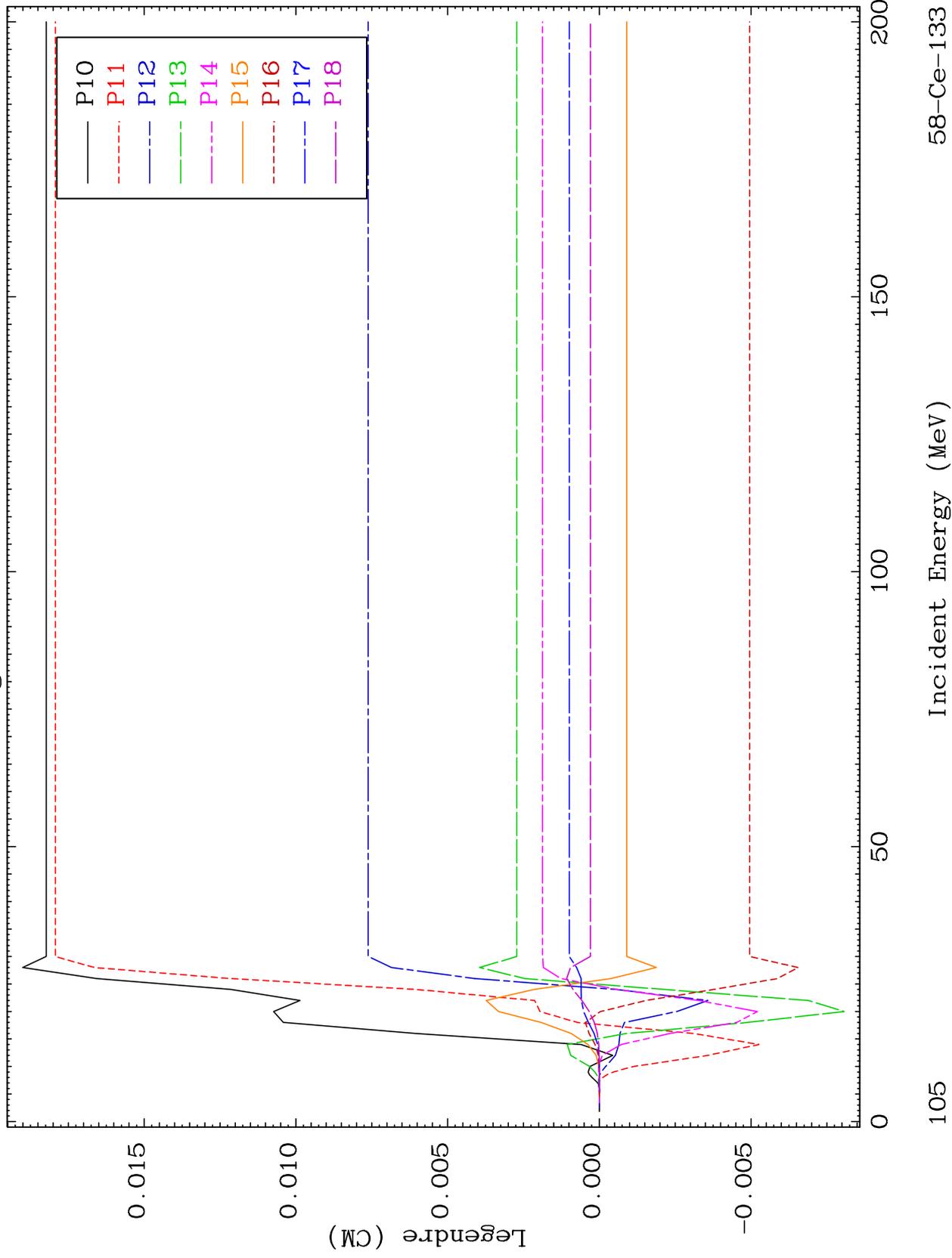
Incident Energy (MeV)

104

MAT 5816

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

58-Ce-133



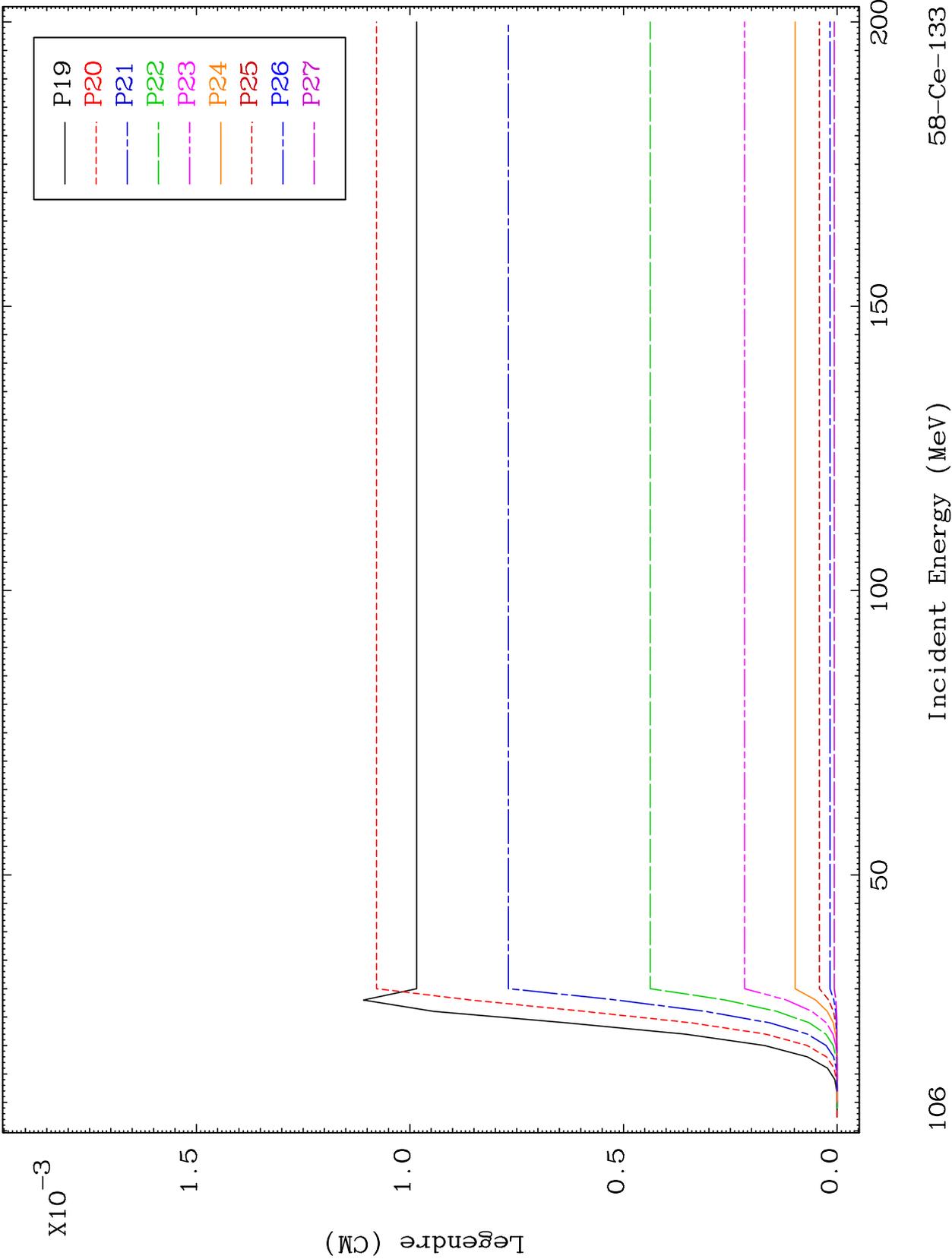
58-Ce-133

Incident Energy (MeV)

MAT 5816

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

58-Ce-133



106

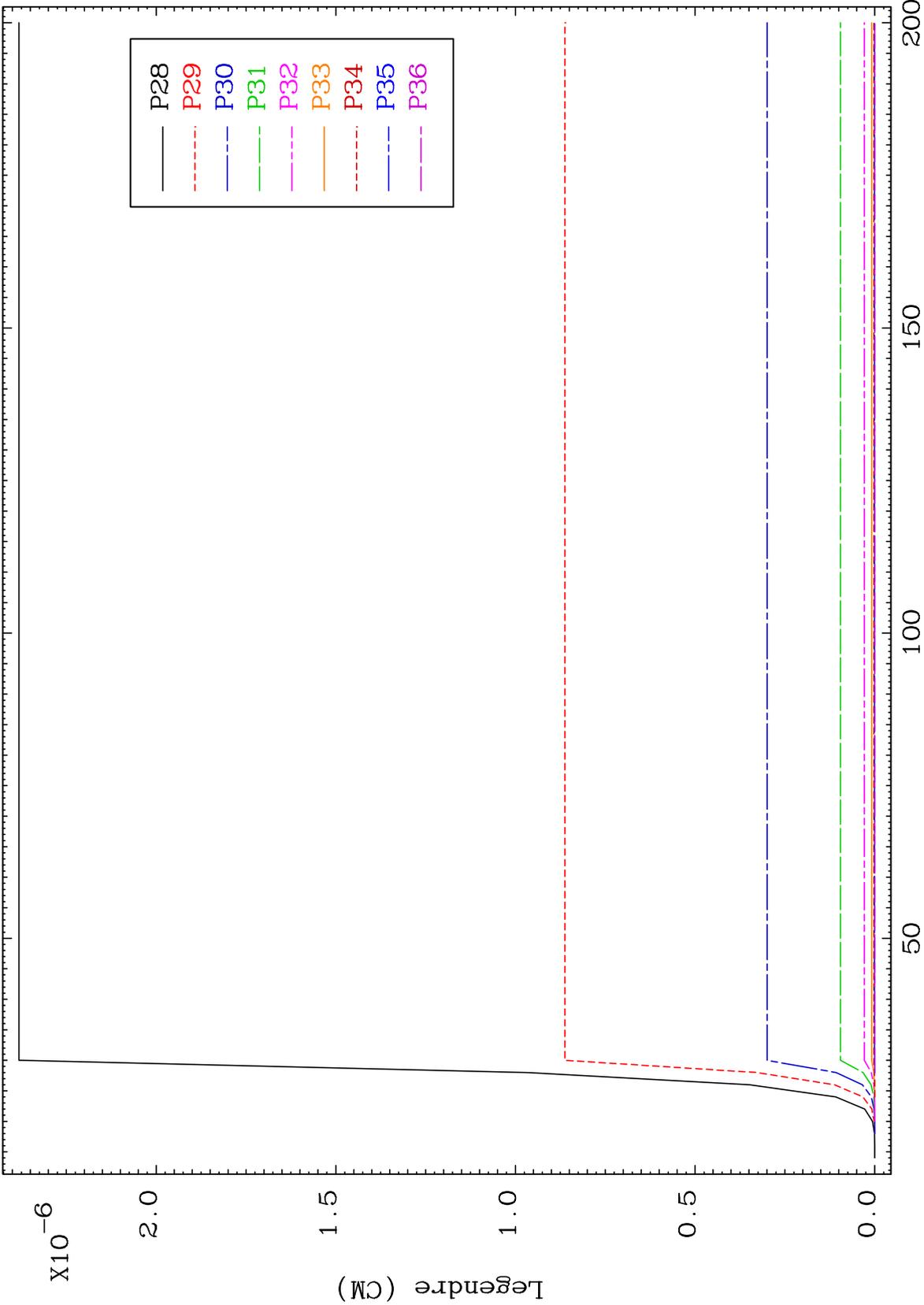
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

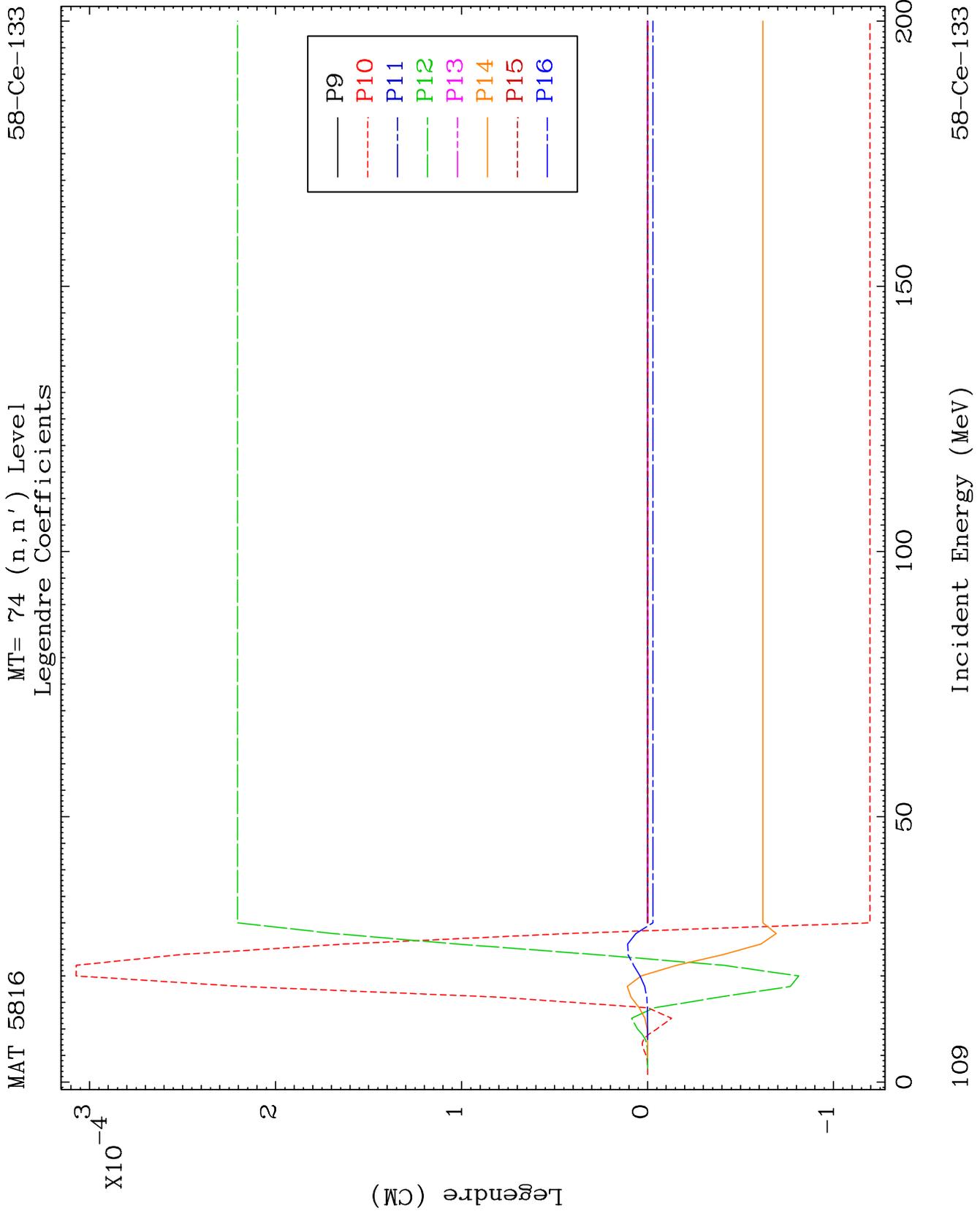
58-Ce-133

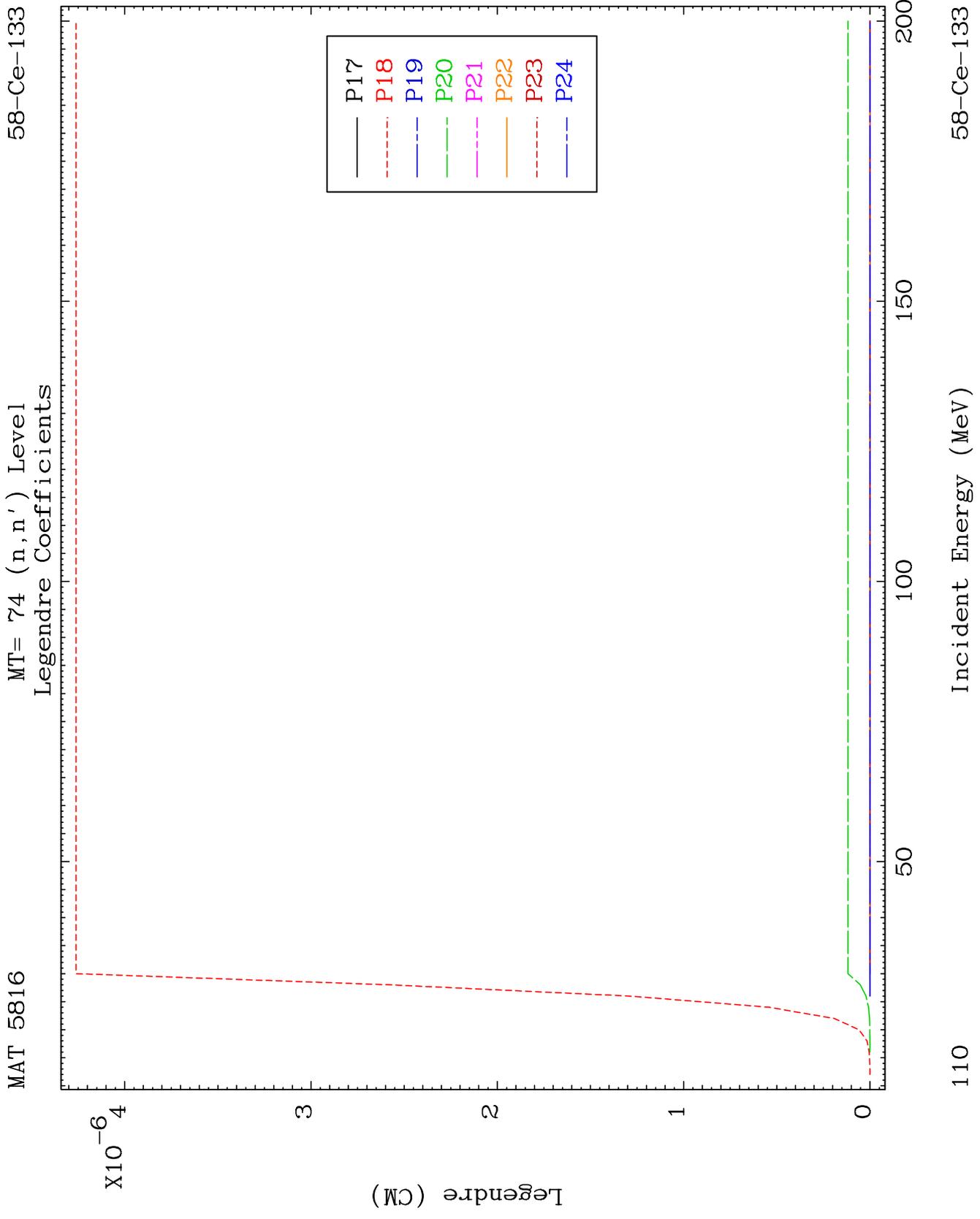


107

Incident Energy (MeV)

58-Ce-133

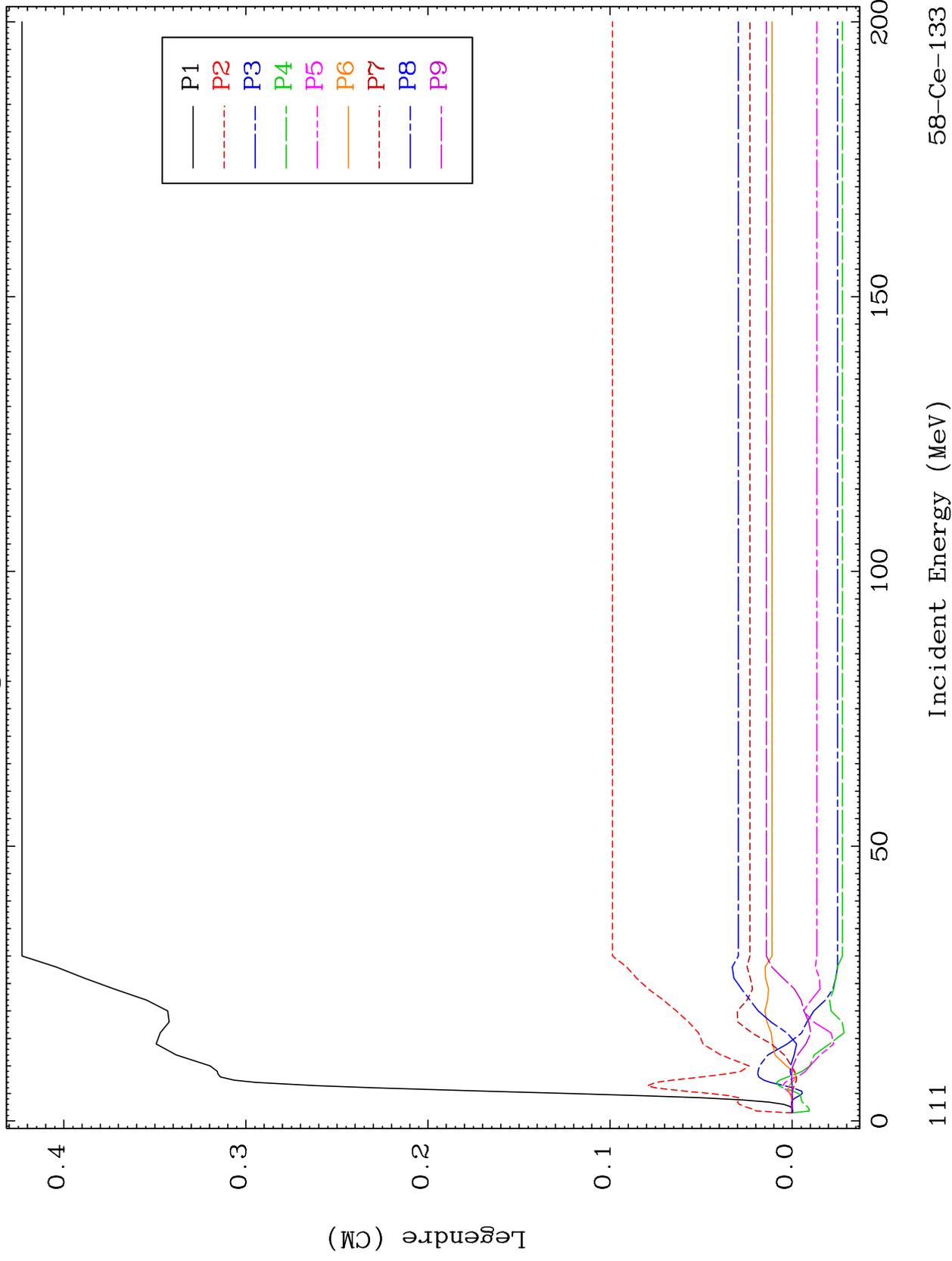




MAT 5816

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

58-Ce-133



58-Ce-133

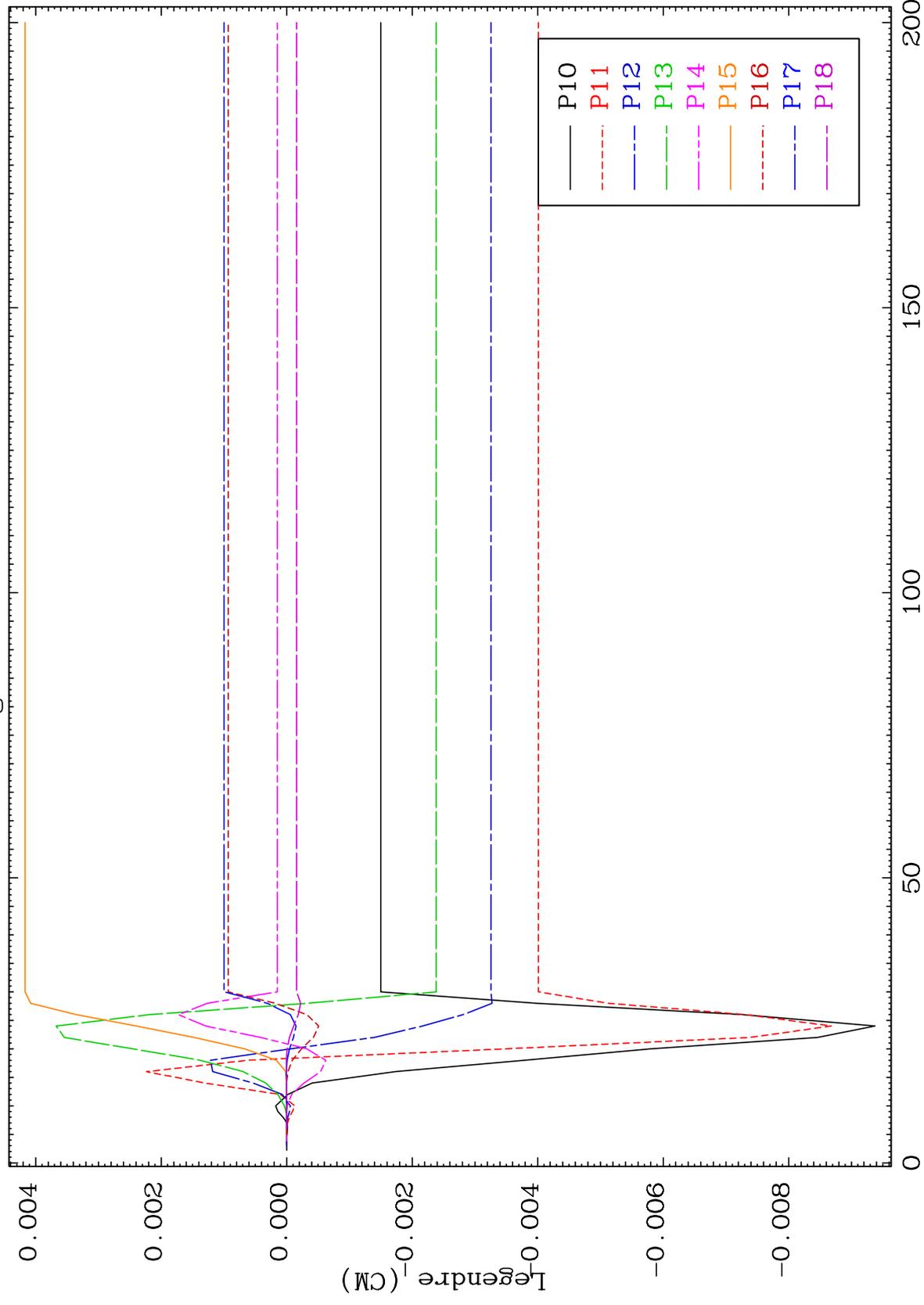
Incident Energy (MeV)

111

MAT 5816

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

58-Ce-133



112

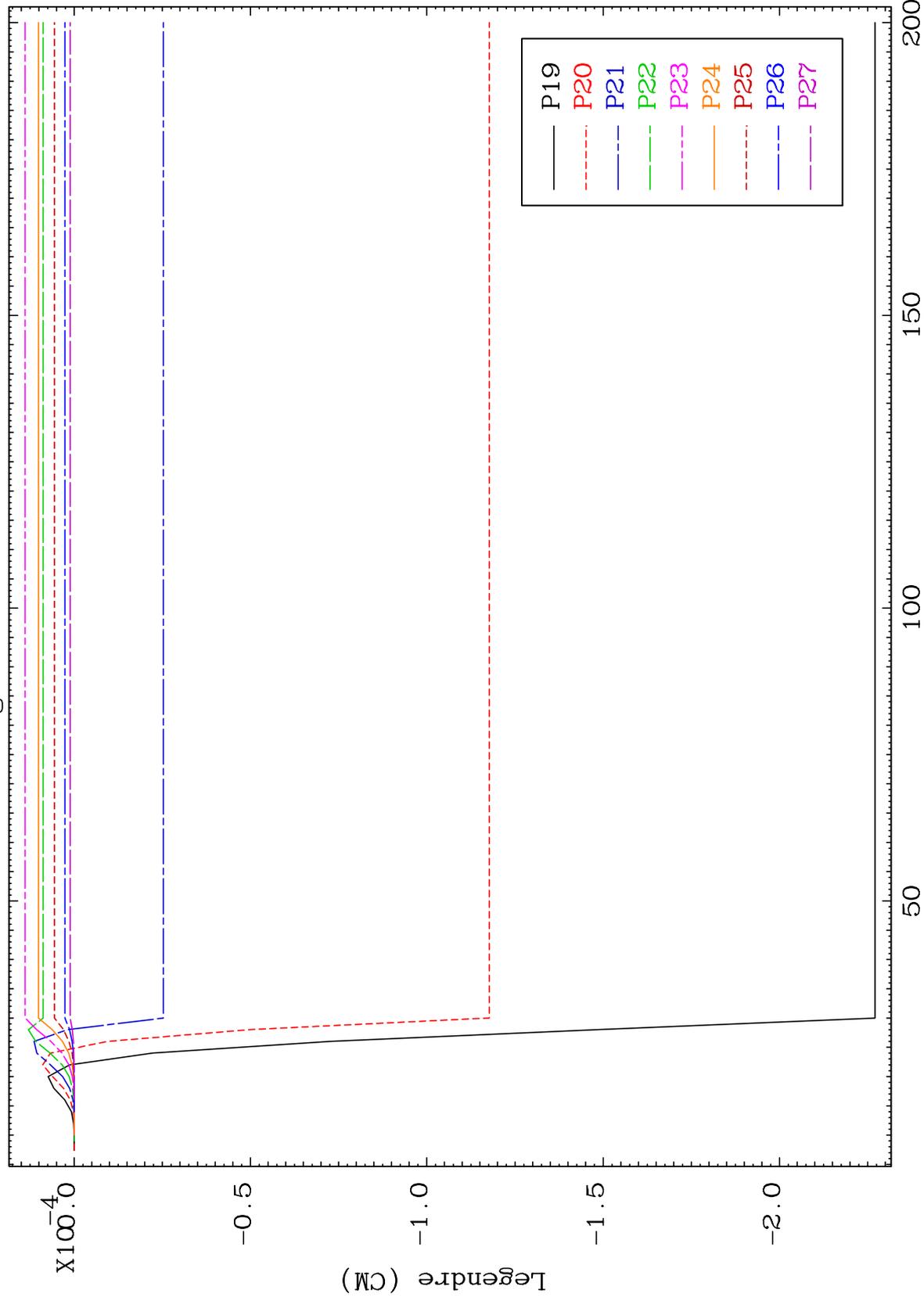
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



113

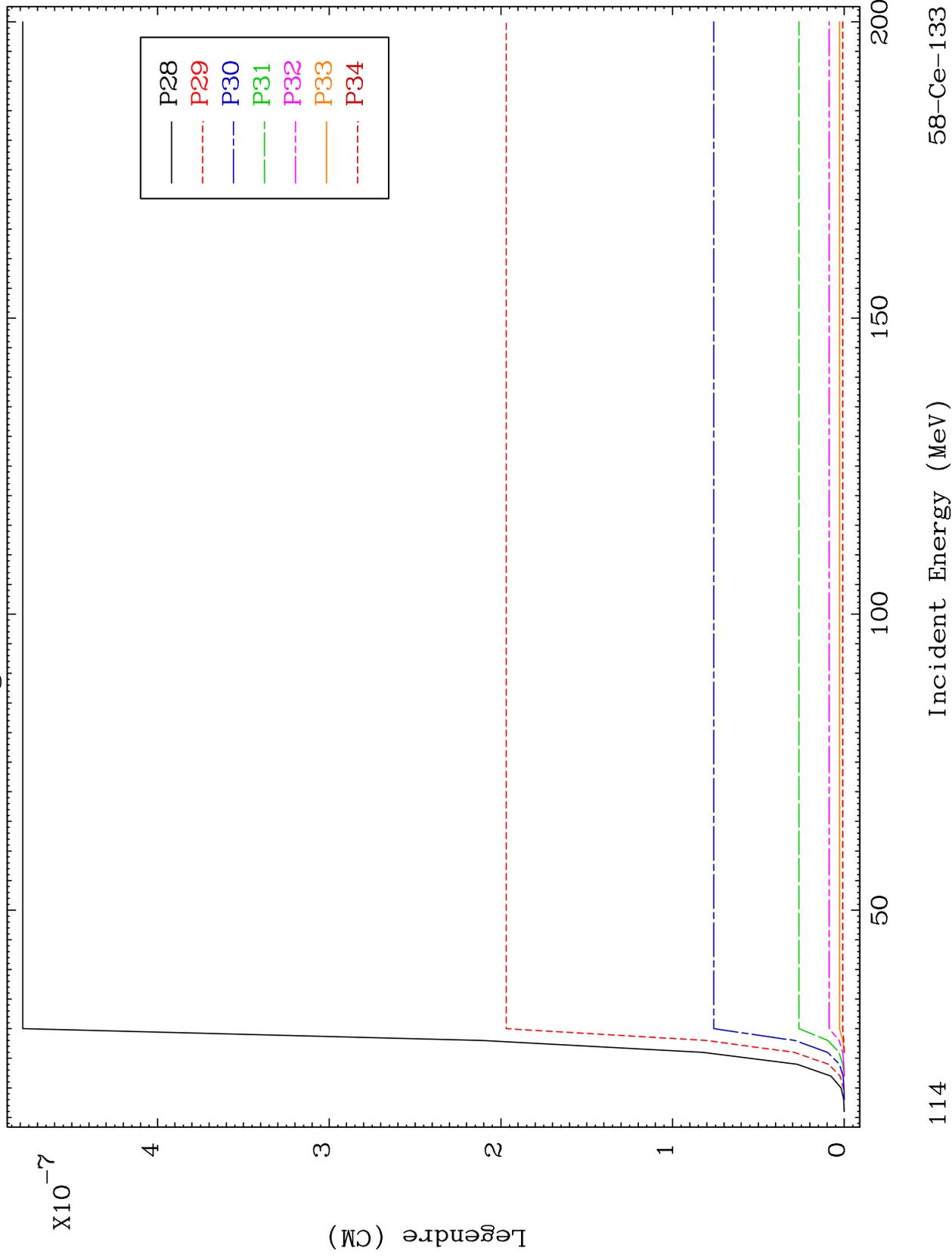
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



114

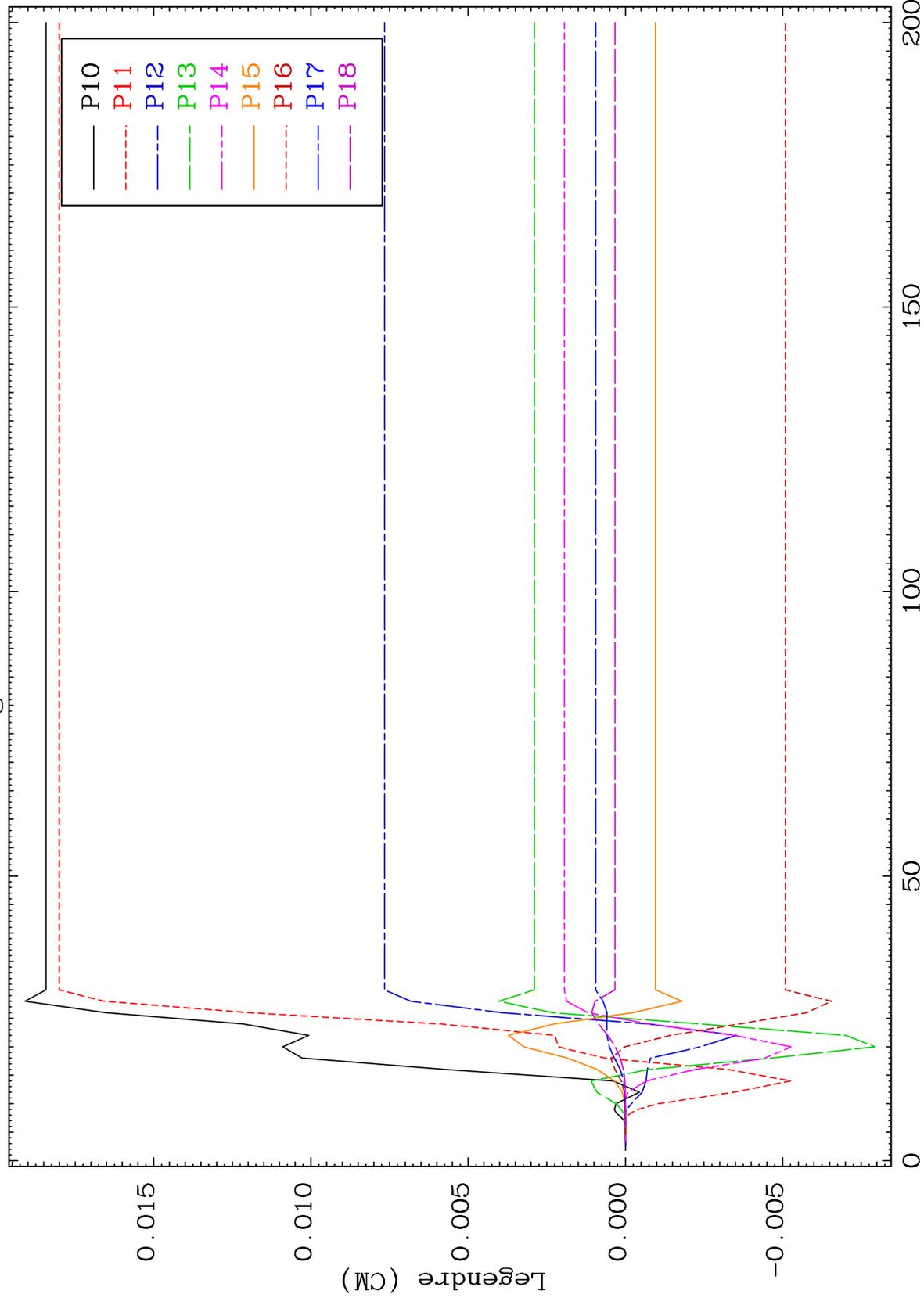
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



116

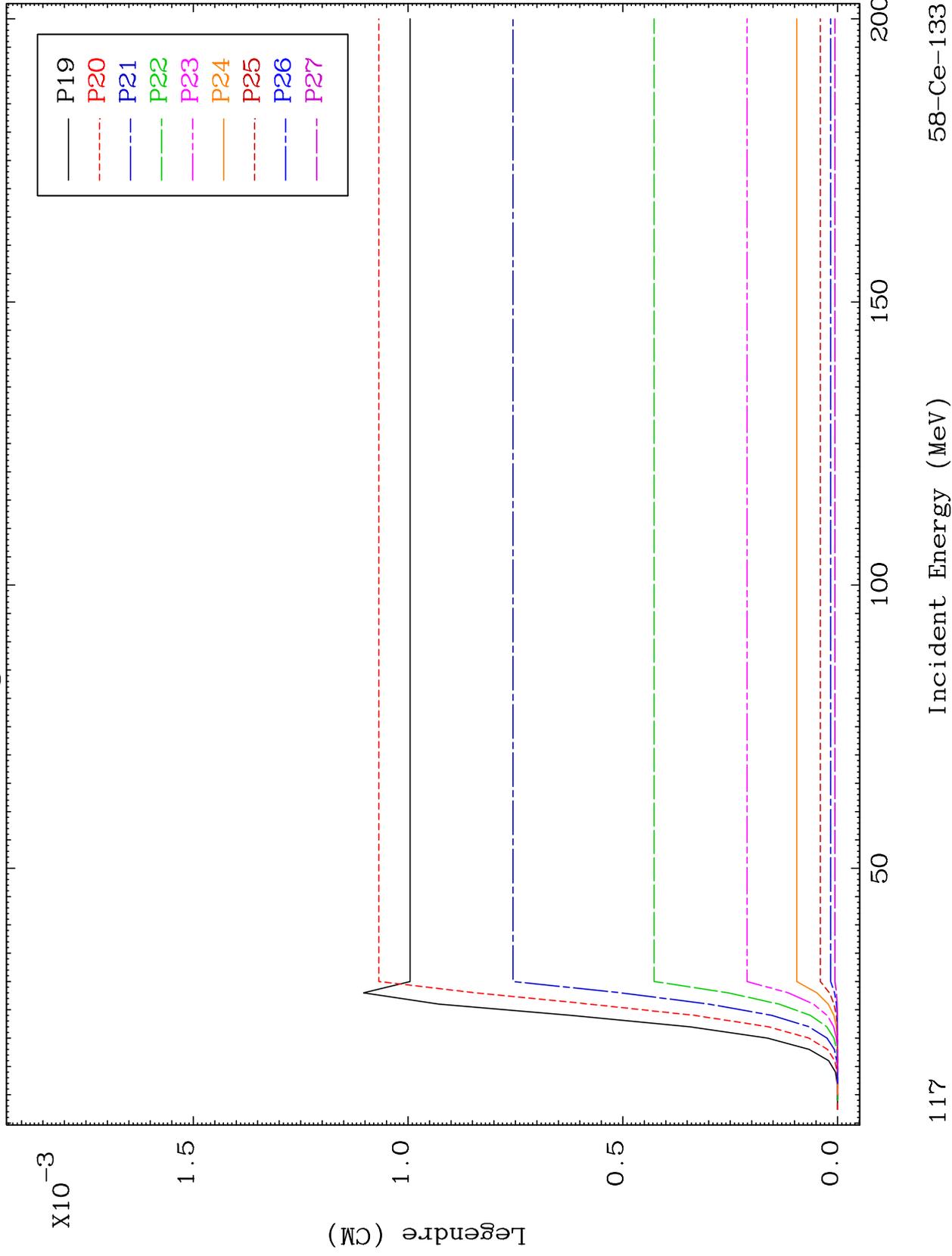
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133

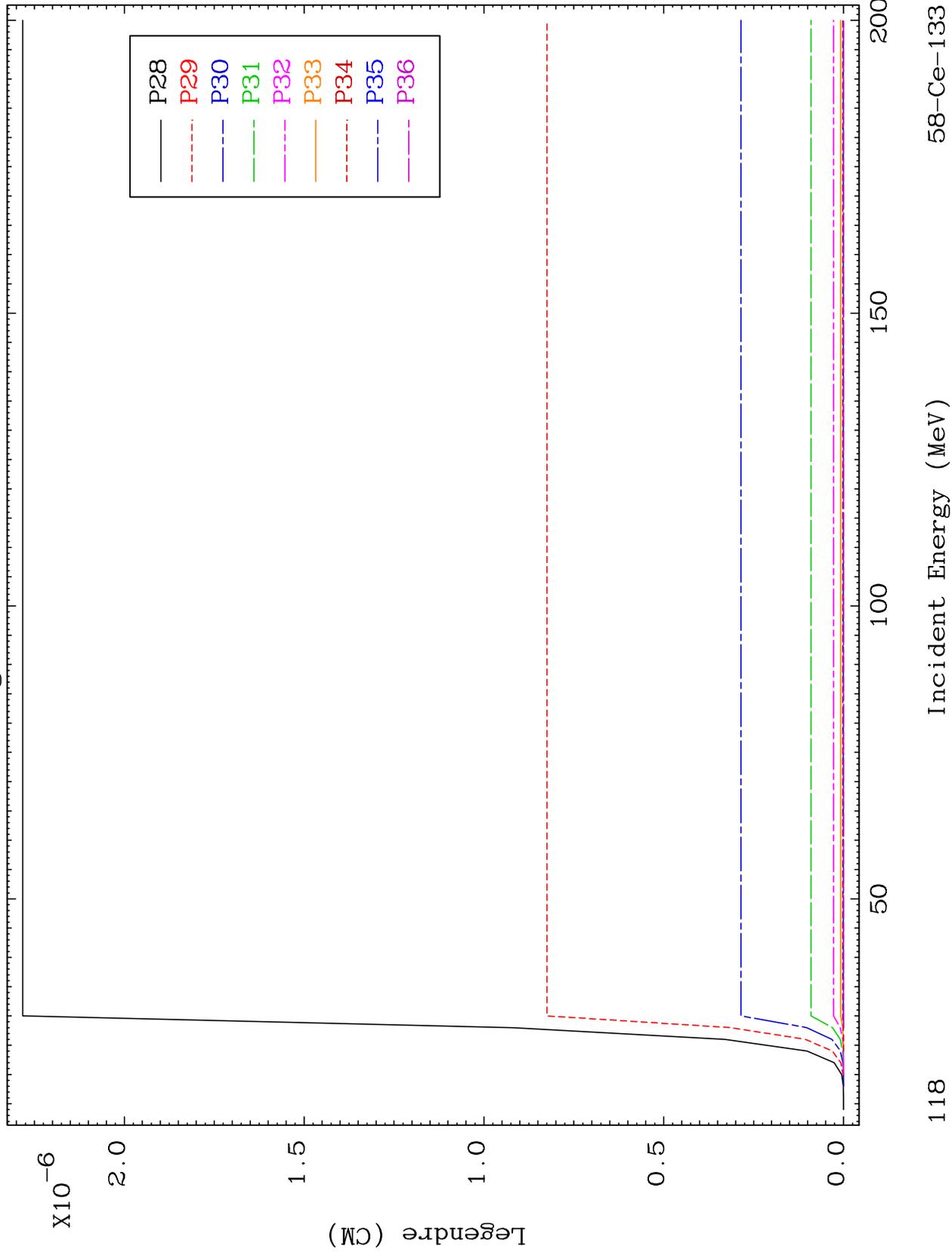


117

MAT 5816

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

58-Ce-133



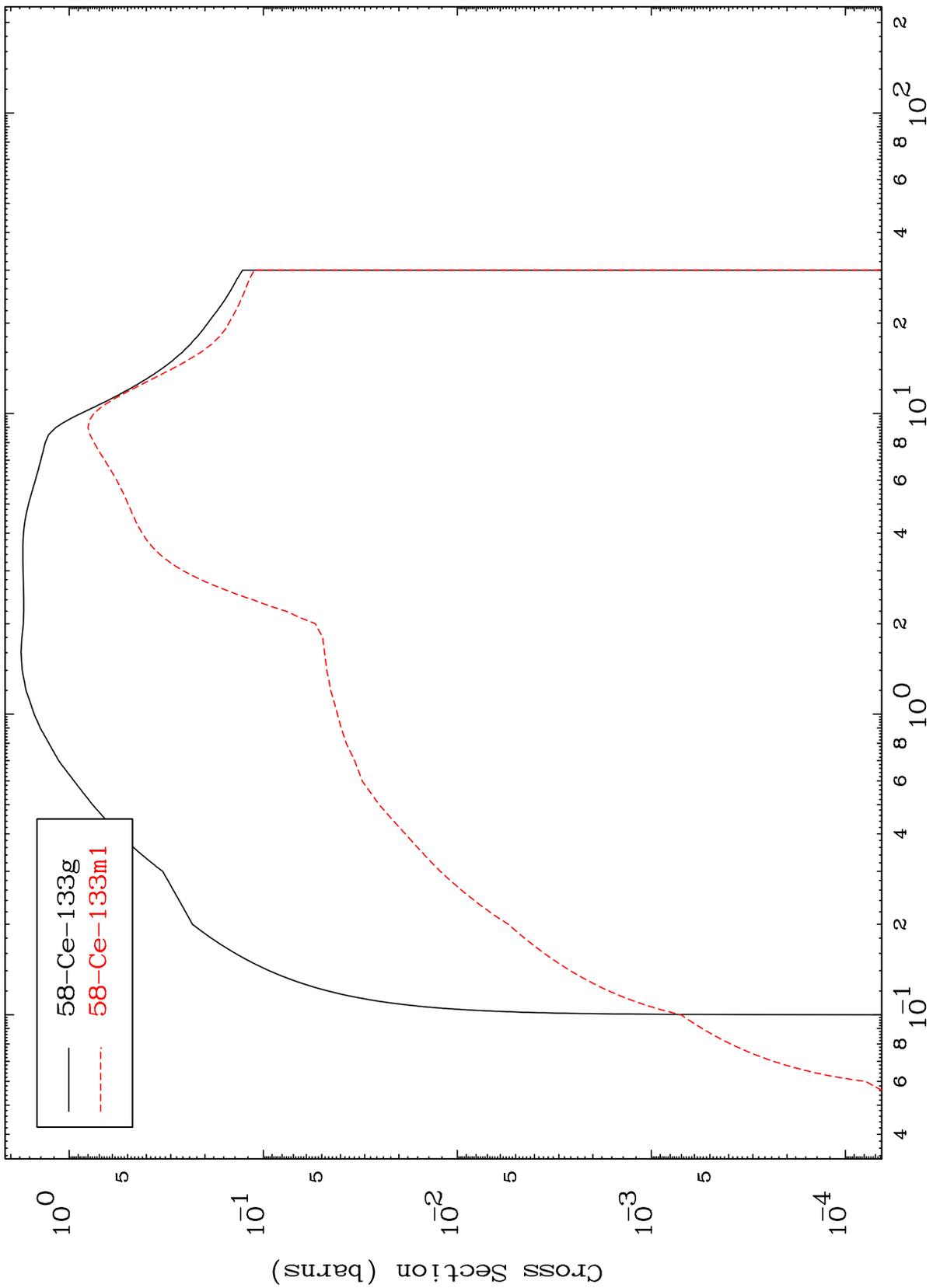
118

58-Ce-133

MAT 5816

58-Ce-133

Inelastic
Radionuclide Production Cross Section



58-Ce-133g
58-Ce-133m1

119

58-Ce-133

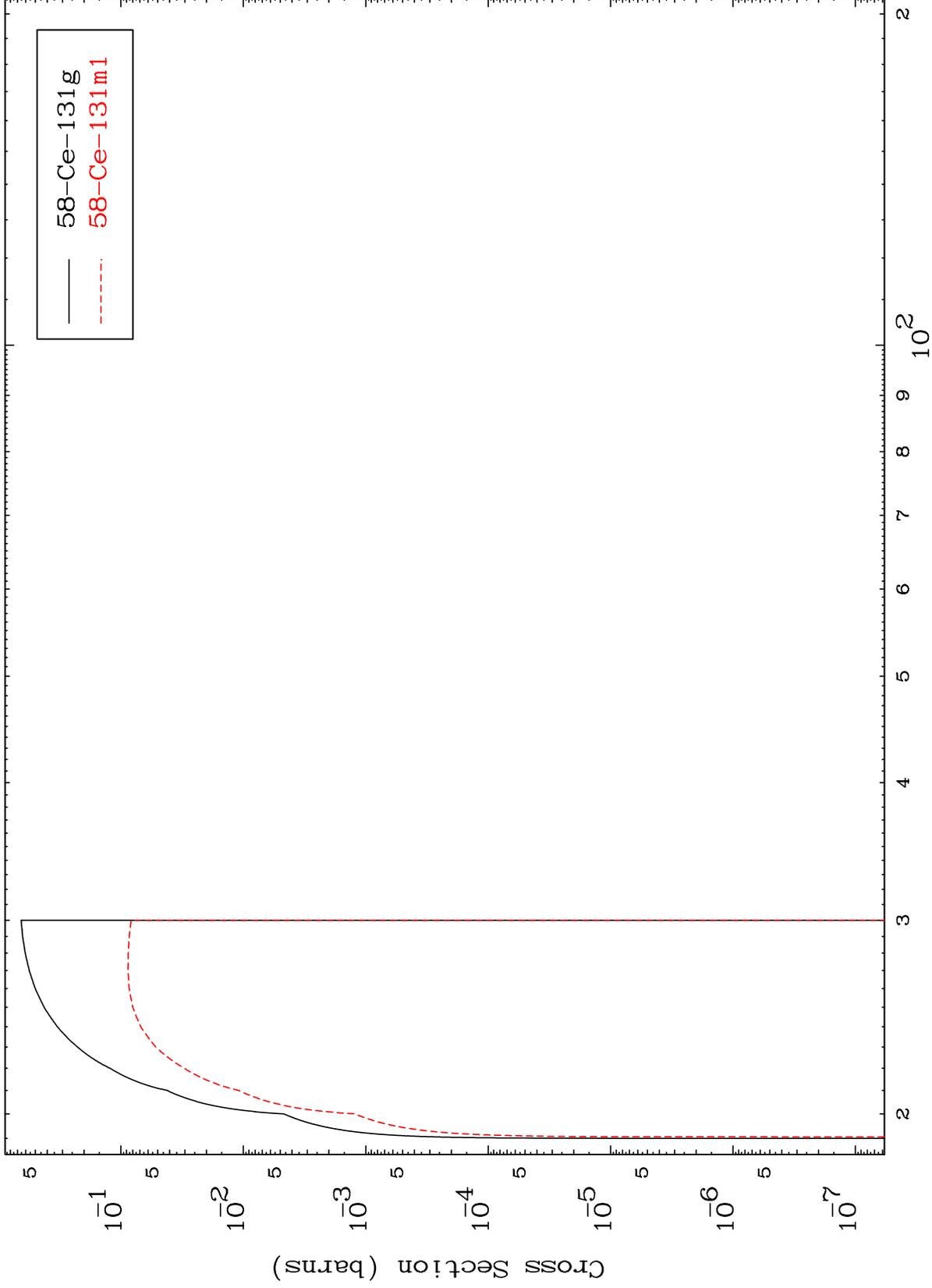
Incident Energy (MeV)

MAT 5816

(n,3n)

58-Ce-133

Radionuclide Production Cross Section



120

Incident Energy (MeV)

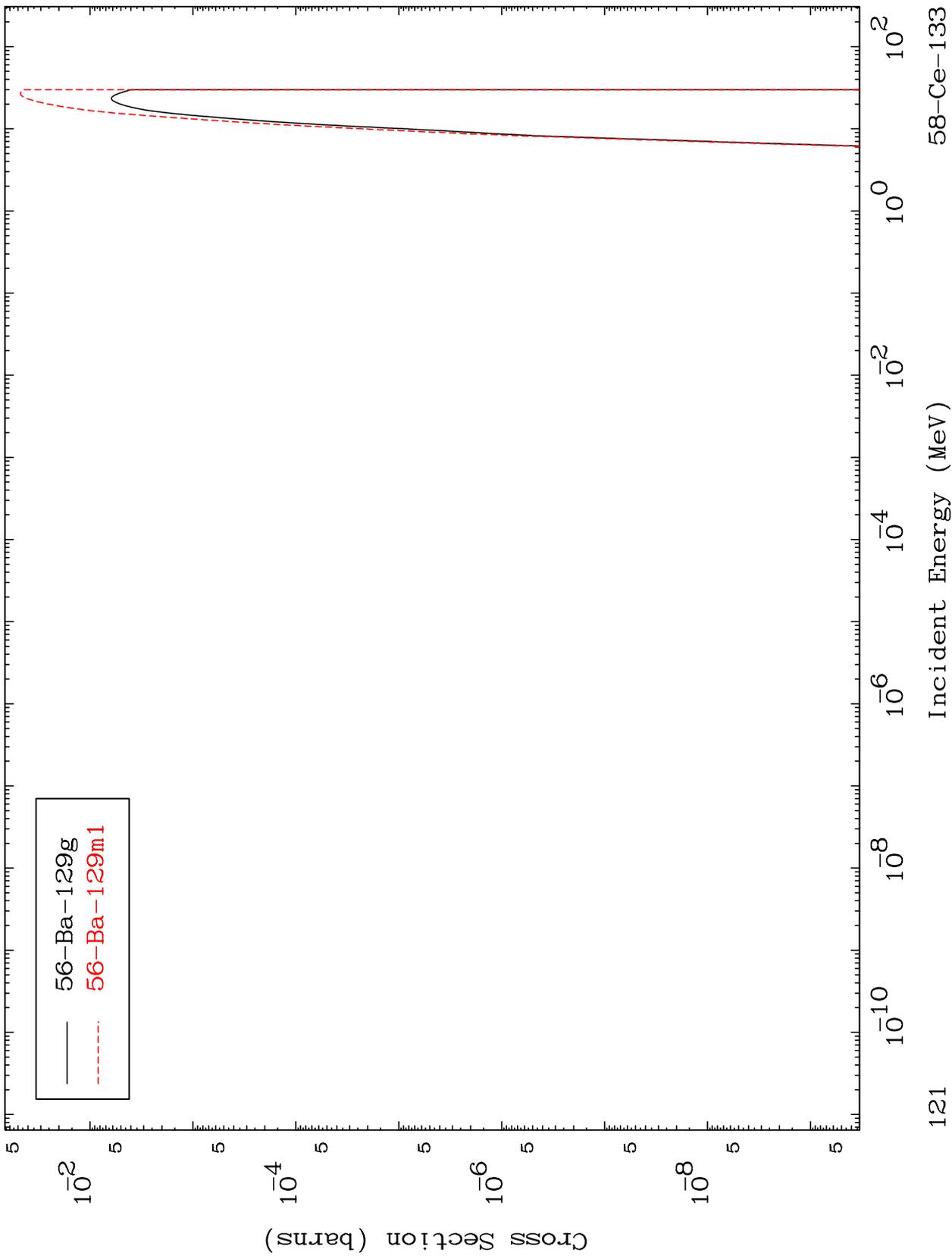
58-Ce-133

MAT 5816

$(n, n') \alpha$

58-Ce-133

Radionuclide Production Cross Section



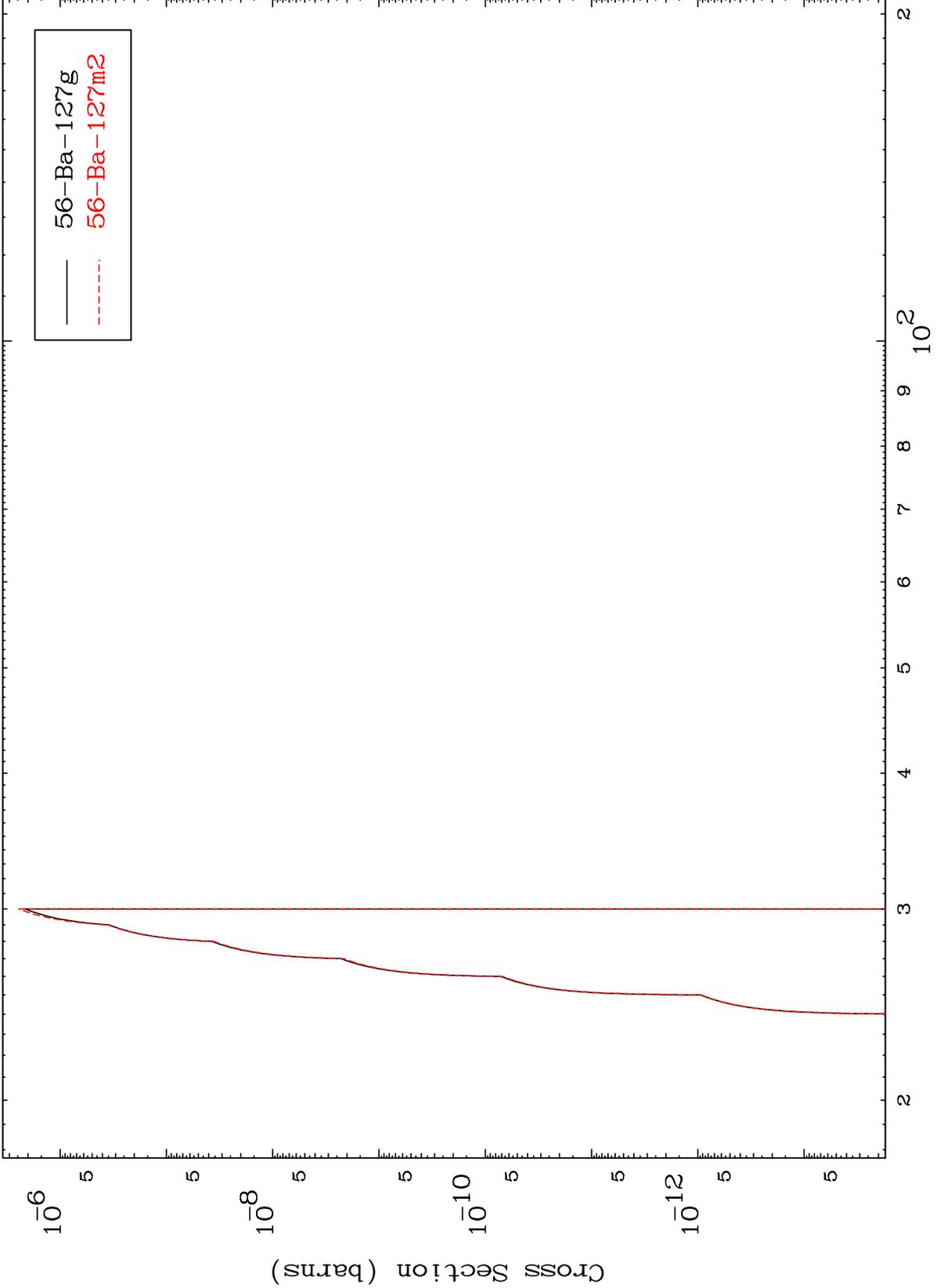
56-Ba-129g
56-Ba-129m1

MAT 5816

(n,3n) α

58-Ce-133

Radionuclide Production Cross Section



122

Incident Energy (MeV)

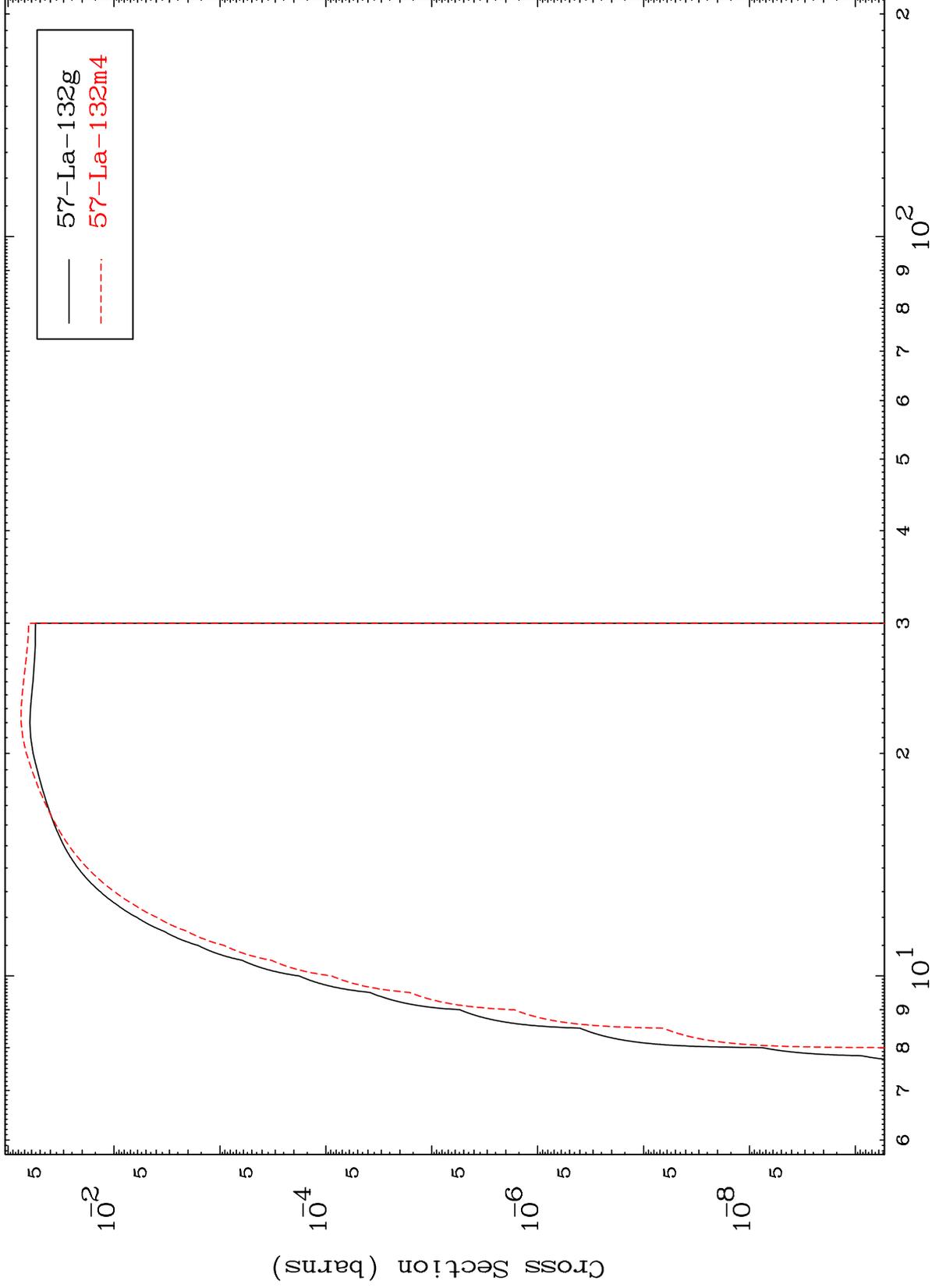
58-Ce-133

MAT 5816

(n,n') p

58-Ce-133

Radionuclide Production Cross Section



123

Incident Energy (MeV)

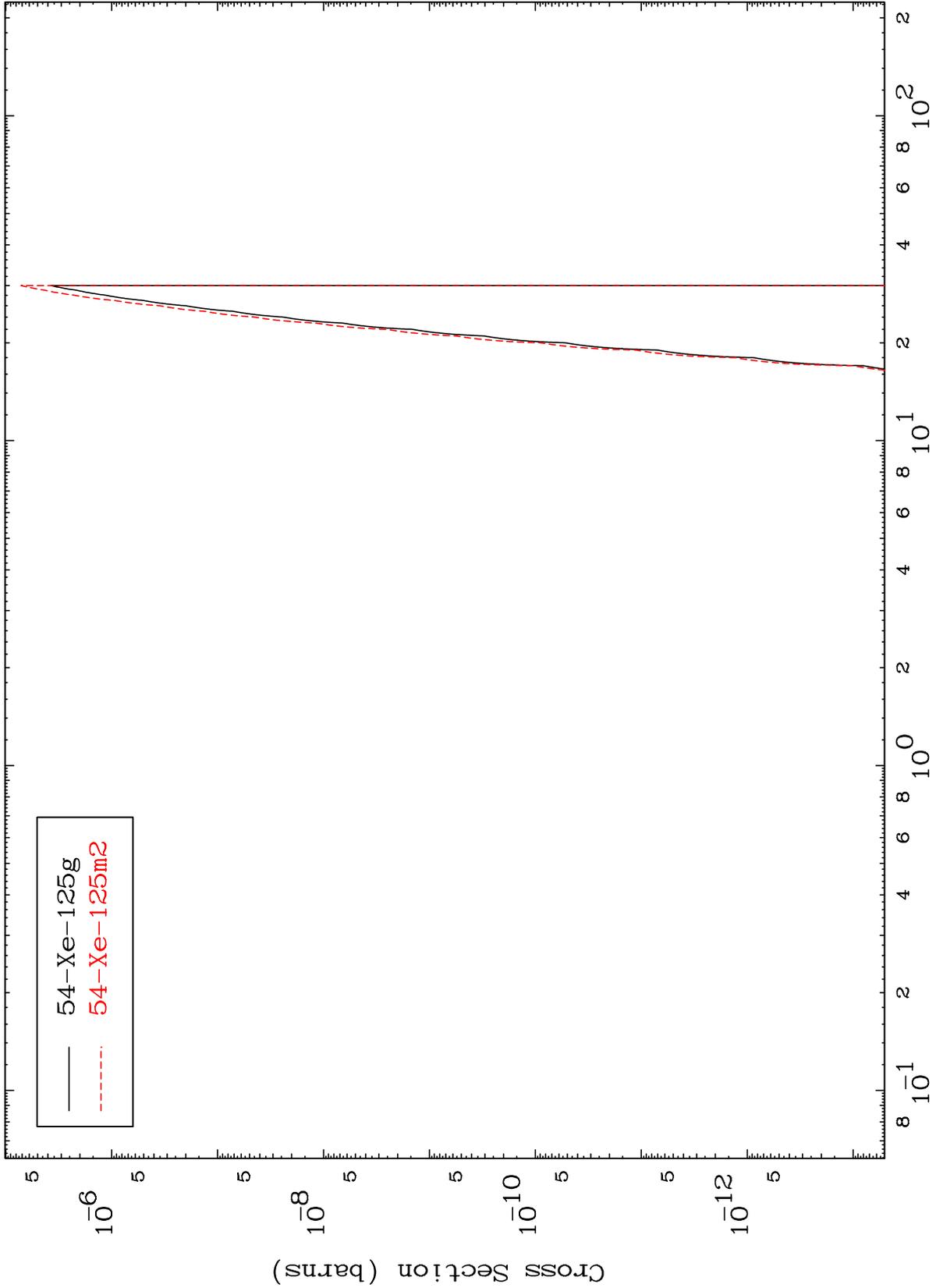
58-Ce-133

MAT 5816

(n,n') 2α

58-Ce-133

Radionuclide Production Cross Section



54-Xe-125g
54-Xe-125m2

124

Incident Energy (MeV)

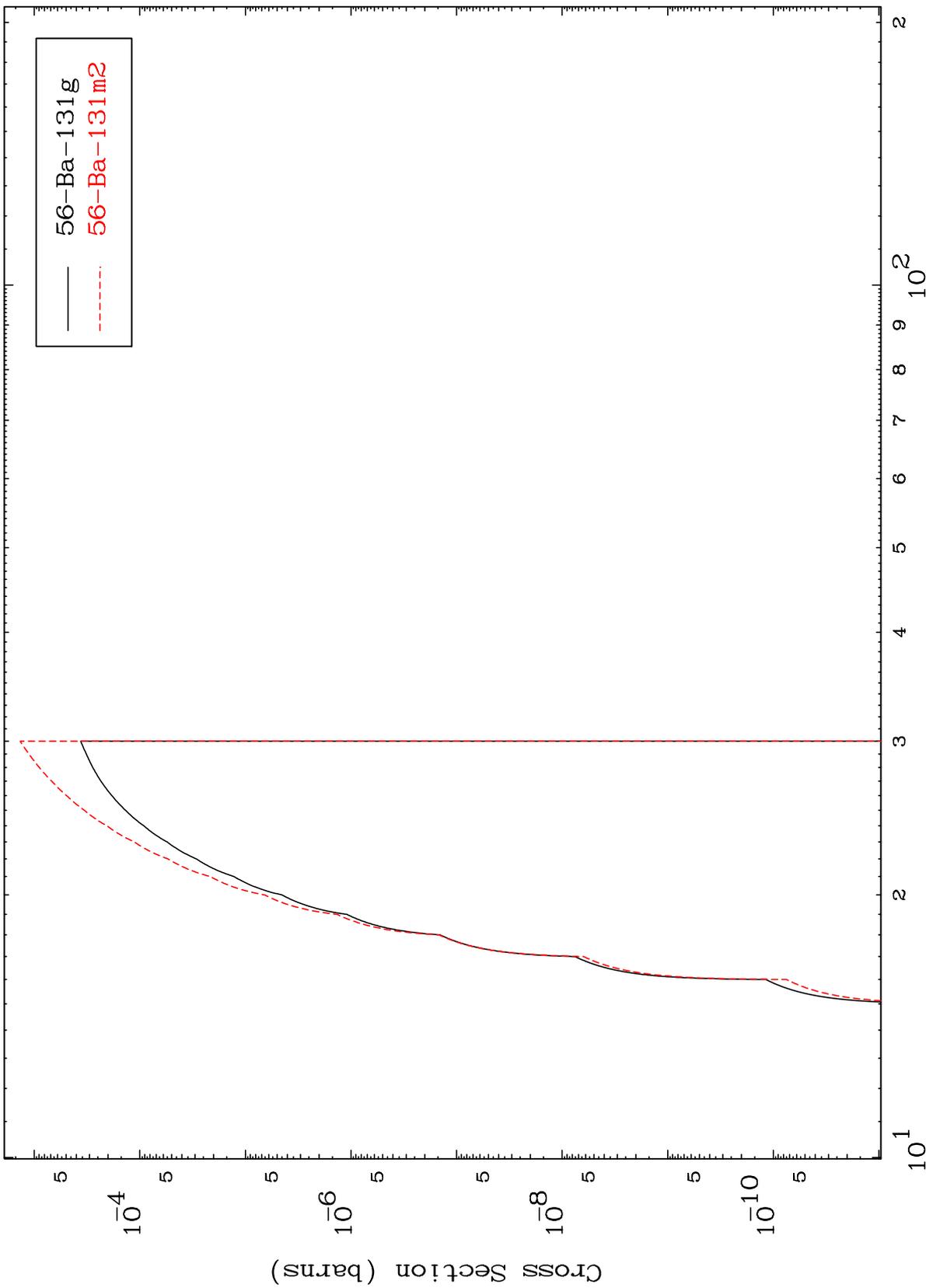
58-Ce-133

MAT 5816

(n,2n) p

58-Ce-133

Radionuclide Production Cross Section



Incident Energy (MeV)

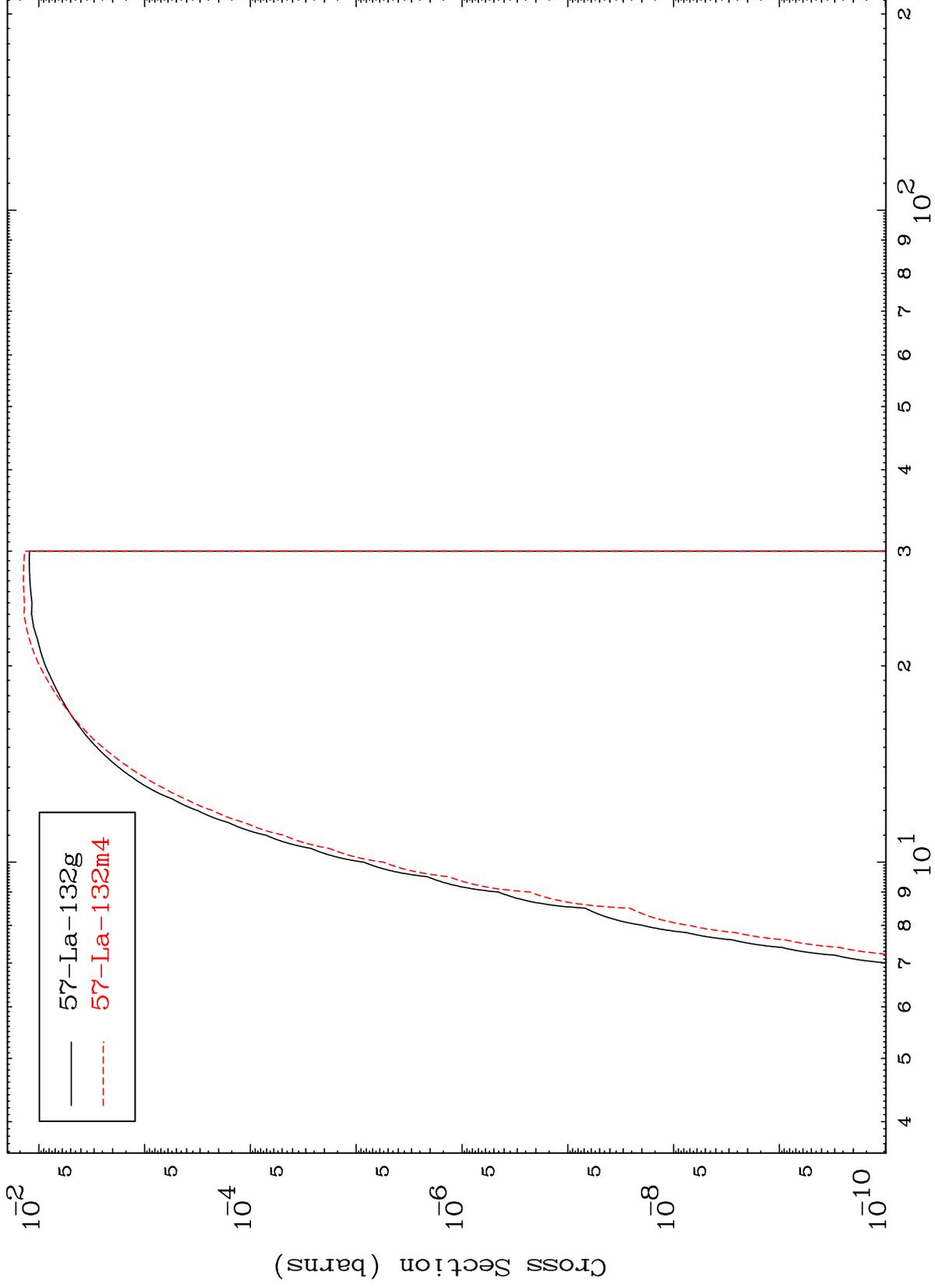
58-Ce-133

125

MAT 5816

58-Ce-133

(n,d)
Radionuclide Production Cross Section



126

Incident Energy (MeV)

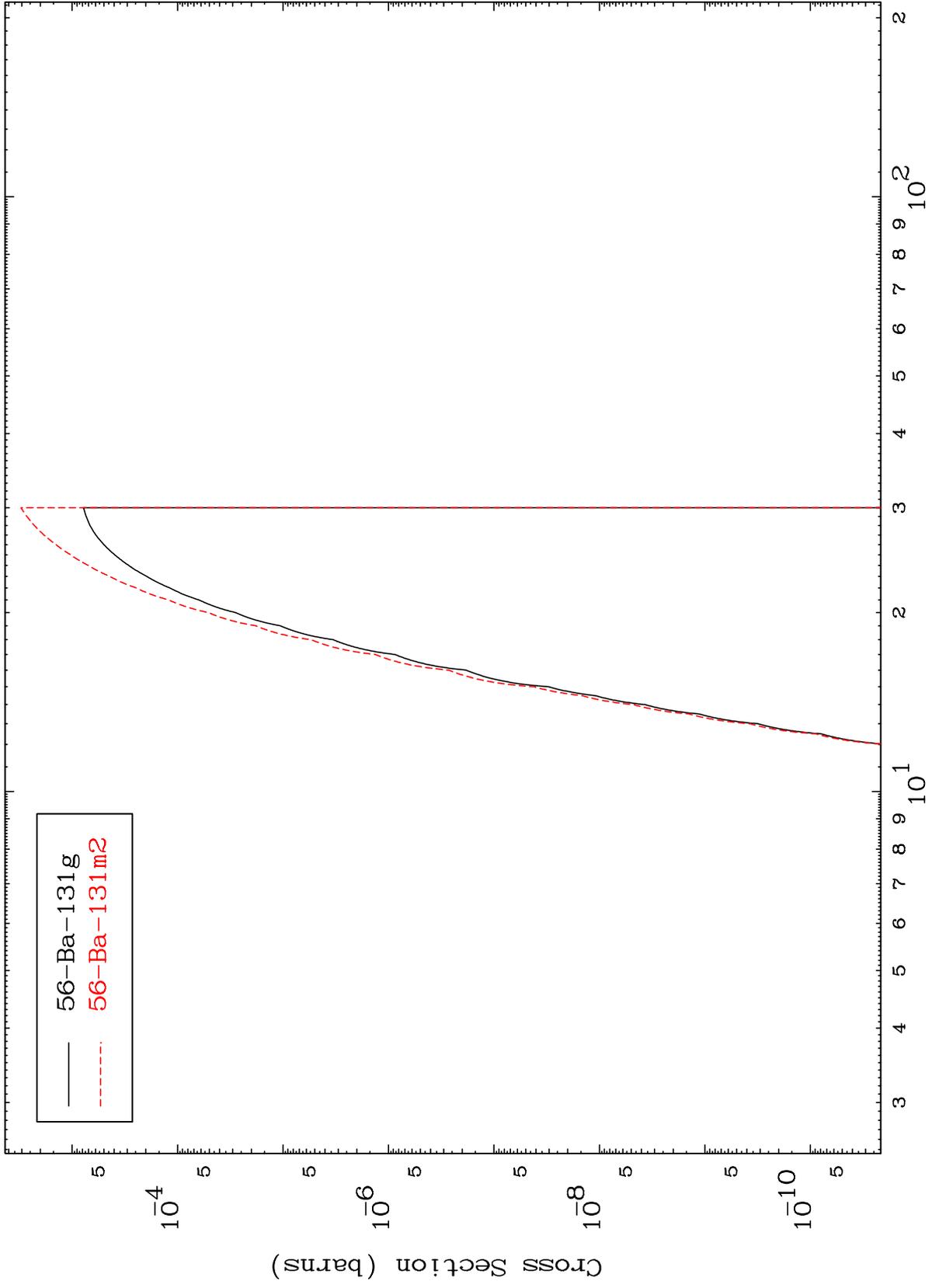
58-Ce-133

MAT 5816

(n,He-3)

58-Ce-133

Radionuclide Production Cross Section



127

Incident Energy (MeV)

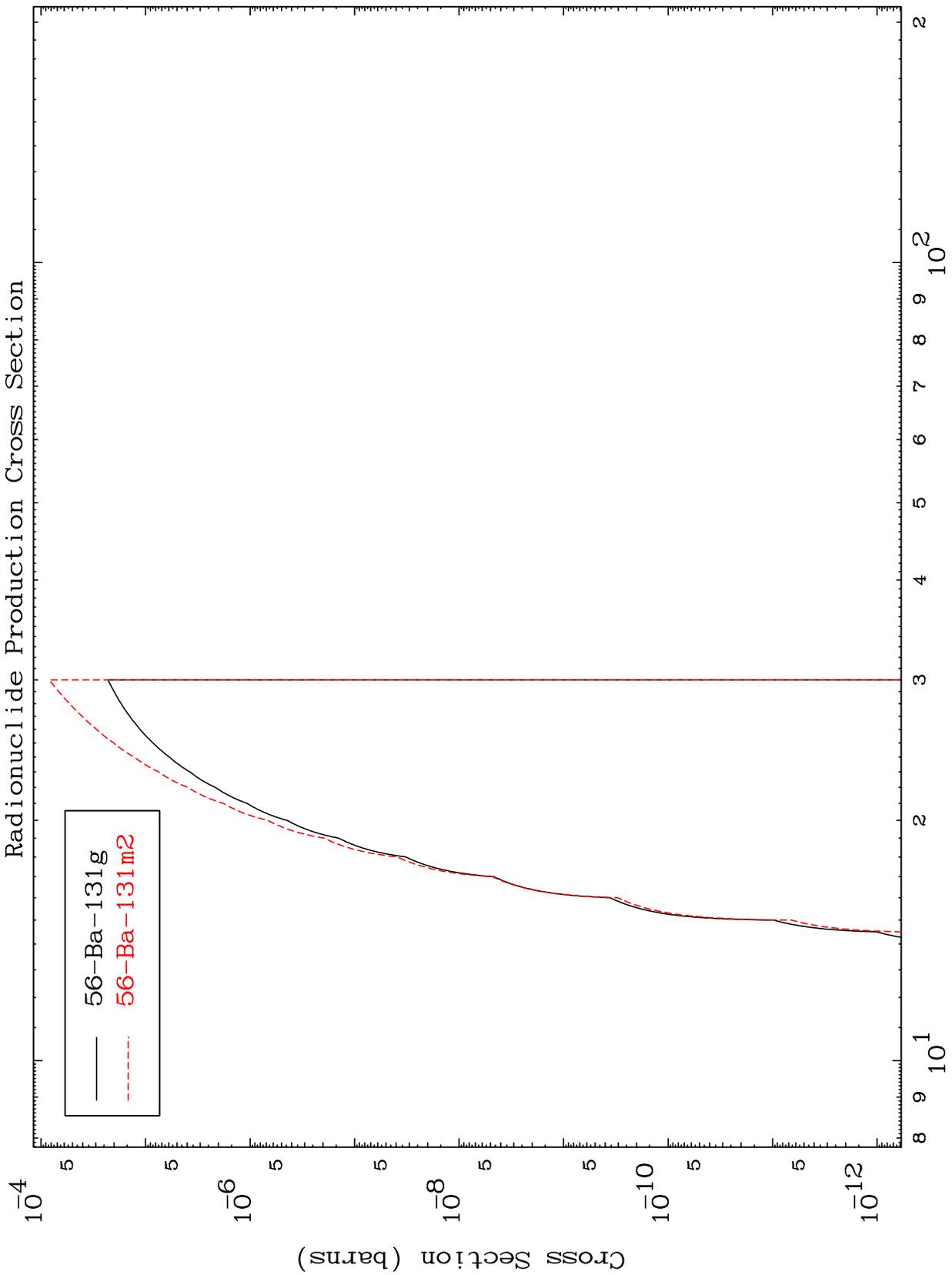
58-Ce-133

MAT 5816

(n,p) d

58-Ce-133

Radionuclide Production Cross Section



128

Incident Energy (MeV)

58-Ce-133