

Program EVALPLOT
(Version 2021-1)

by

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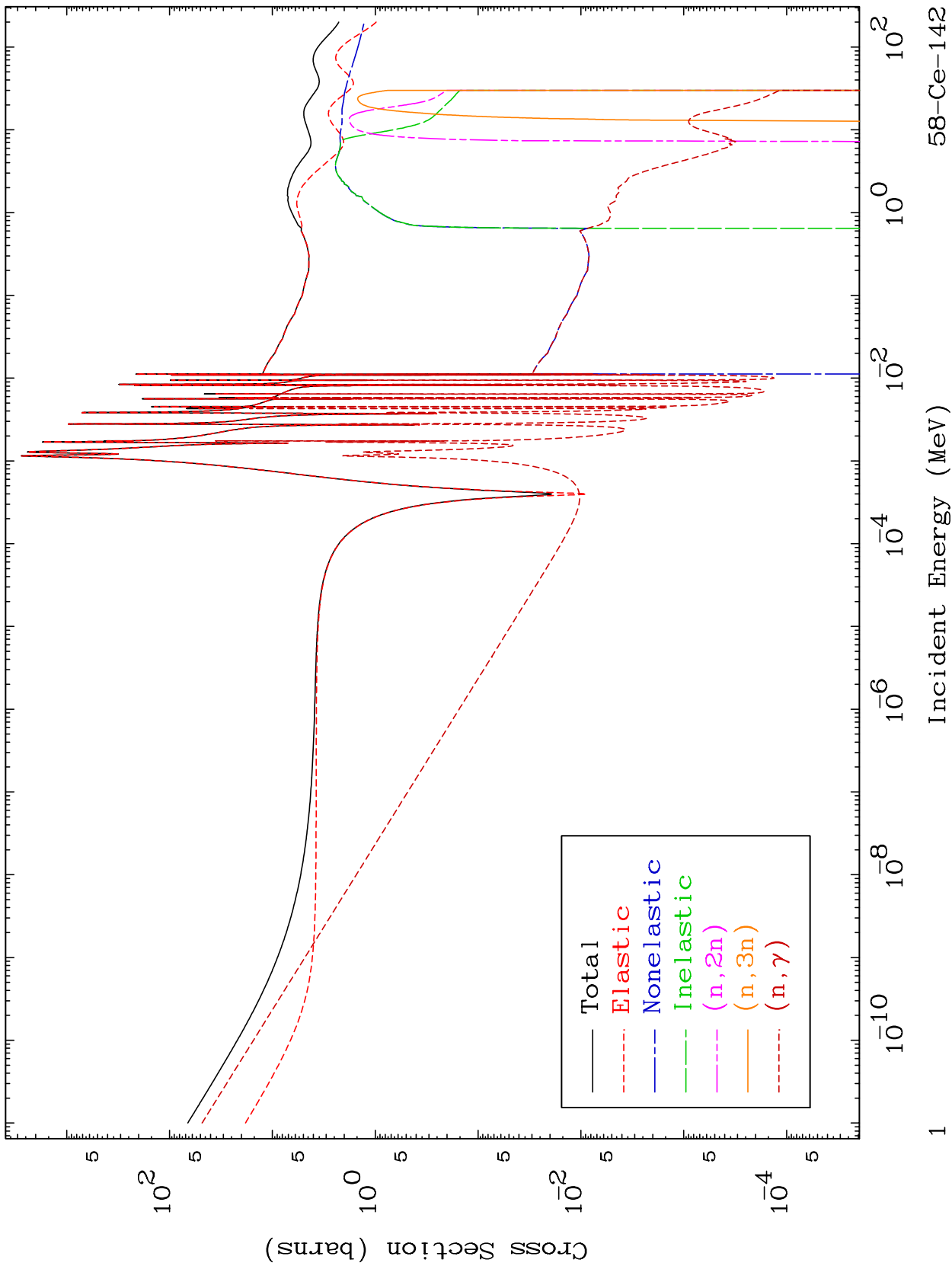
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Press Mouse Button to Start

MAT 5843

Neutron Major
293 Kelvin Cross Sections

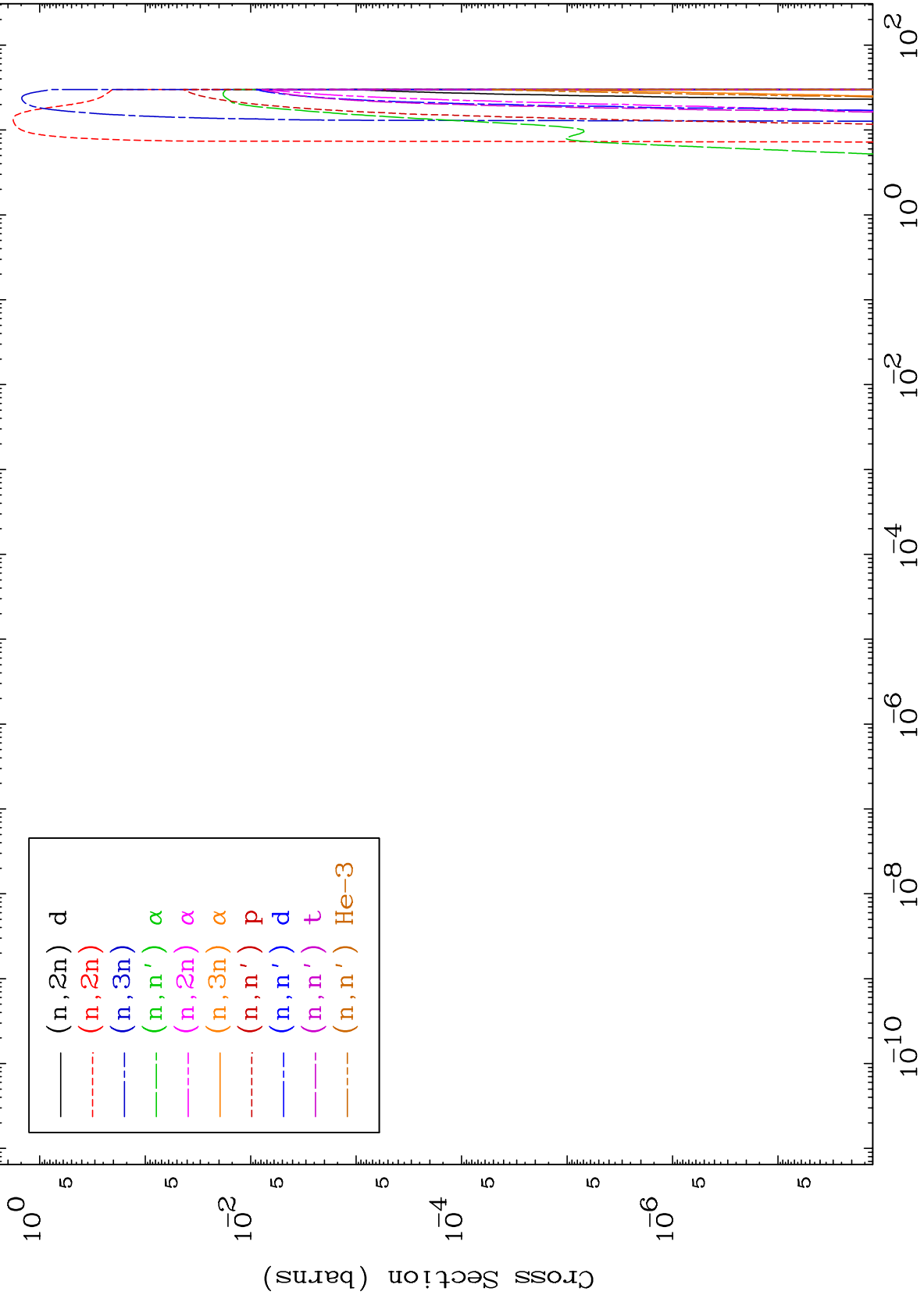
58-Ce-142



MAT 5843

Neutron Absorption
293 Kelvin Cross Sections

58-Ce-142



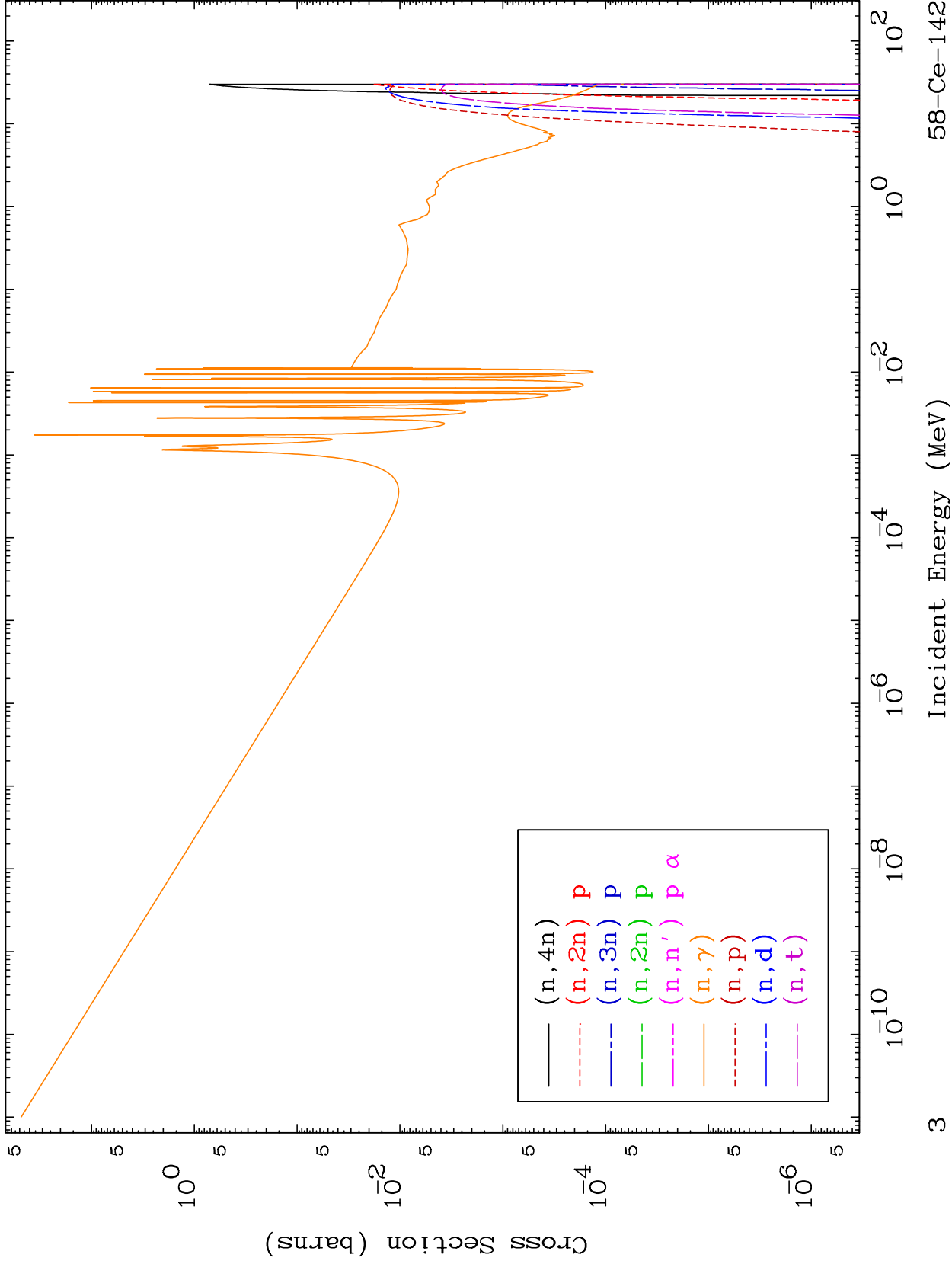
58-Ce-142

Incident Energy (MeV)

MAT 5843

Neutron Absorption
293 Kelvin Cross Sections

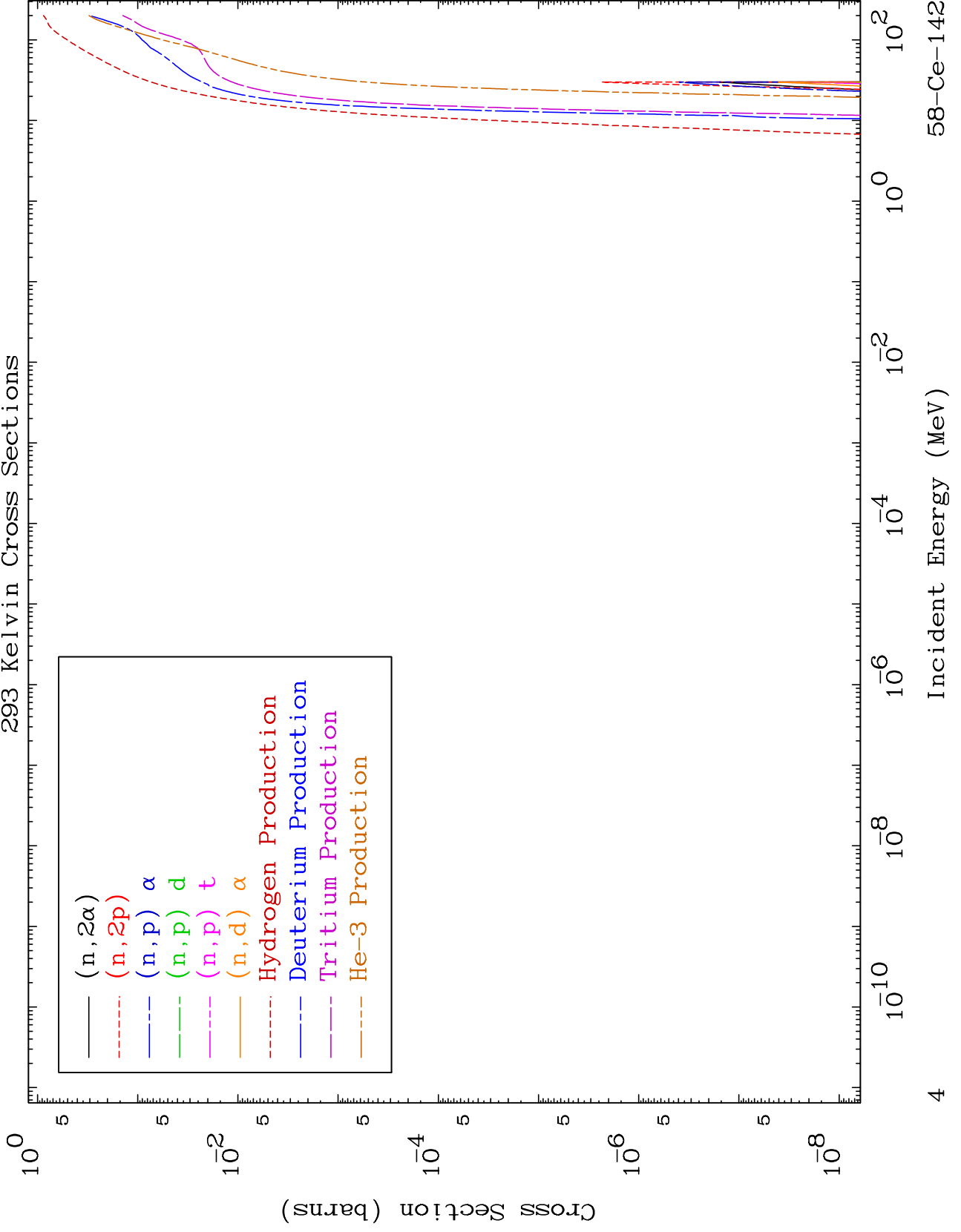
58-Ce-142



MAT 5843

Neutron Absorption
293 Kelvin Cross Sections

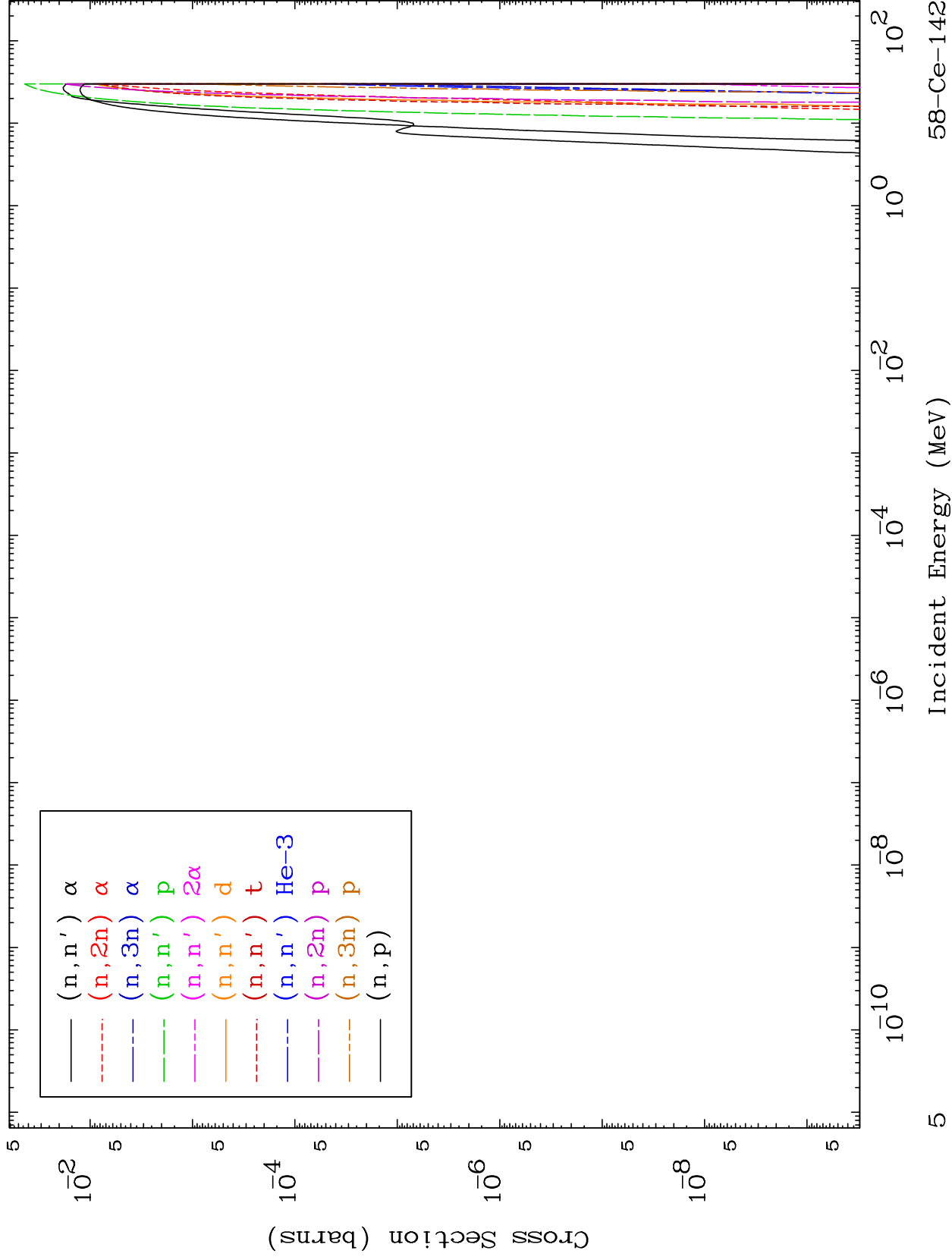
58-Ce-142



MAT 5843

Charged Particle
293 Kelvin Cross Sections

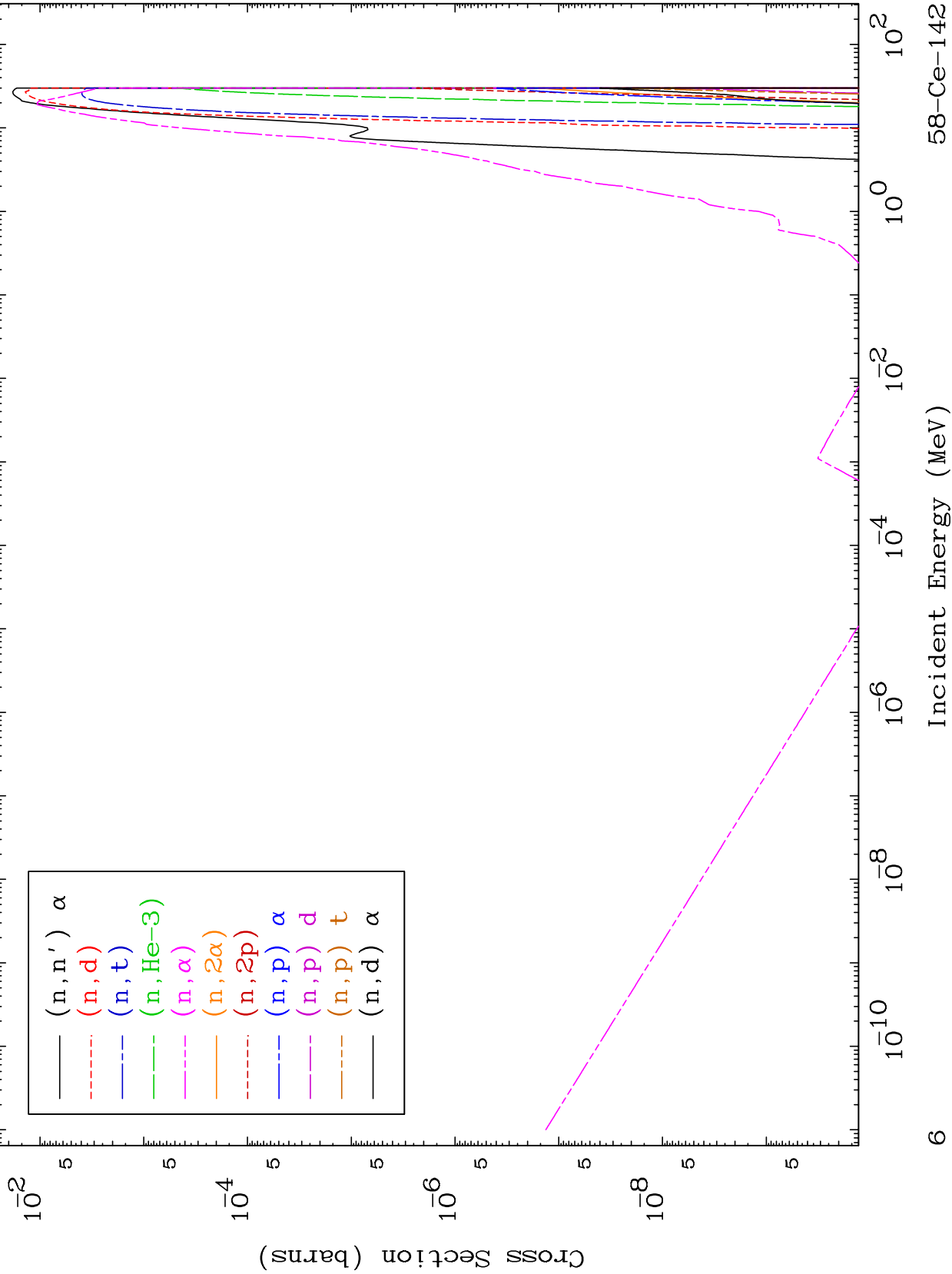
58-Ce-142



MAT 5843

Charged Particle
293 Kelvin Cross Sections

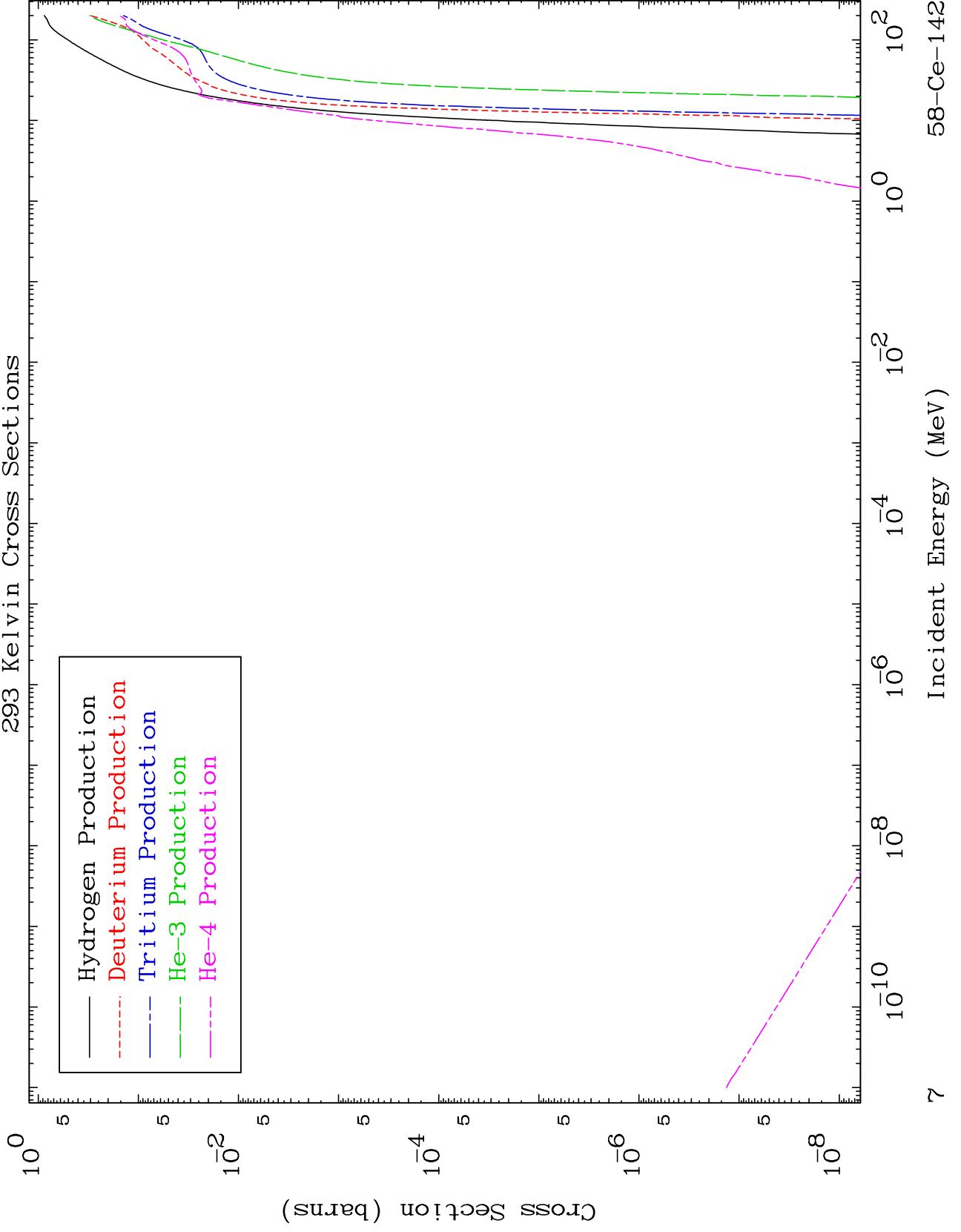
58-Ce-142



MAT 5843

Particle Production
293 Kelvin Cross Sections

58-Ce-142

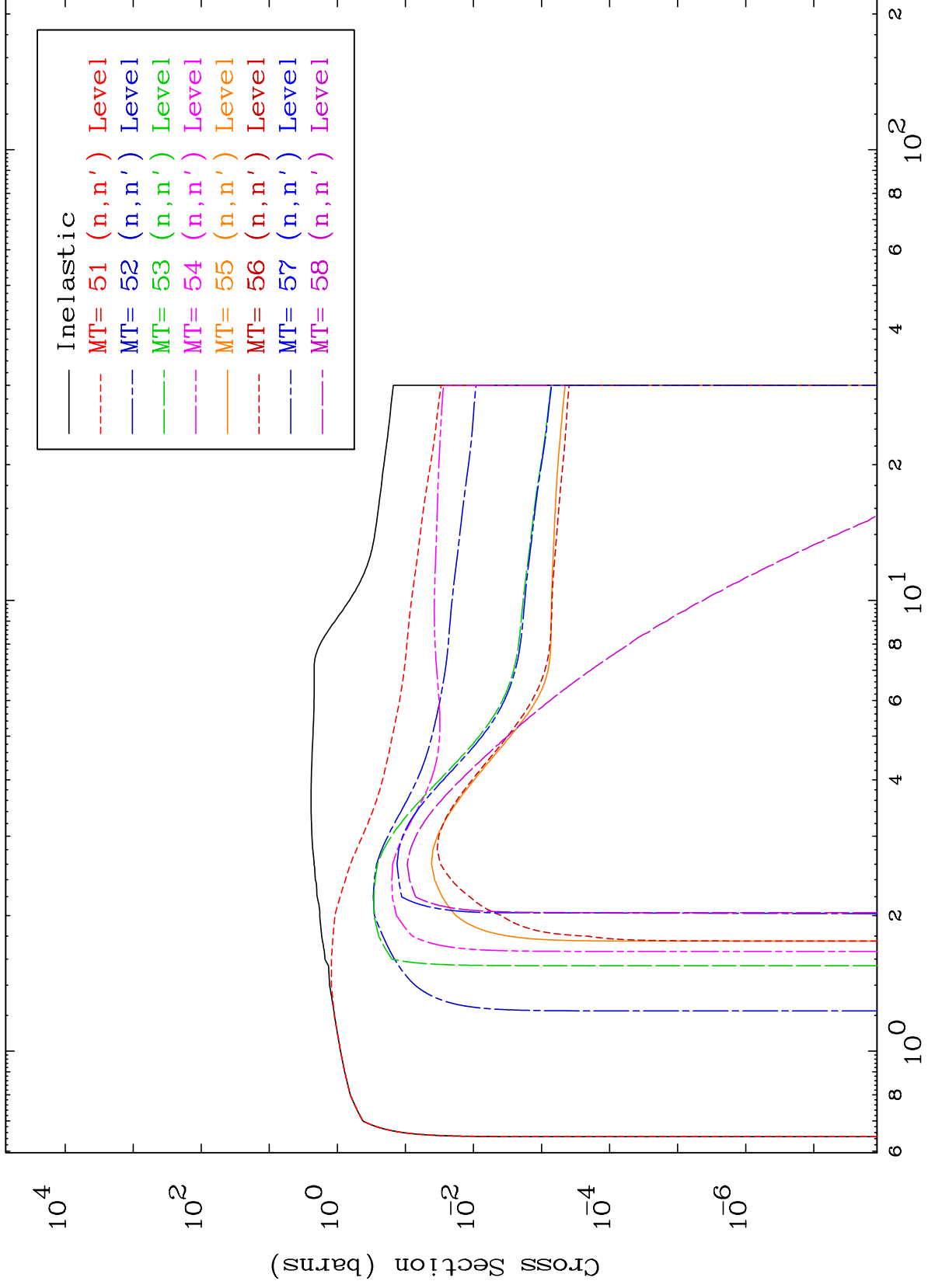


MAT 5843

(n,n') Levels

58-Ce-142

293 Kelvin Cross Sections



8

Incident Energy (MeV)

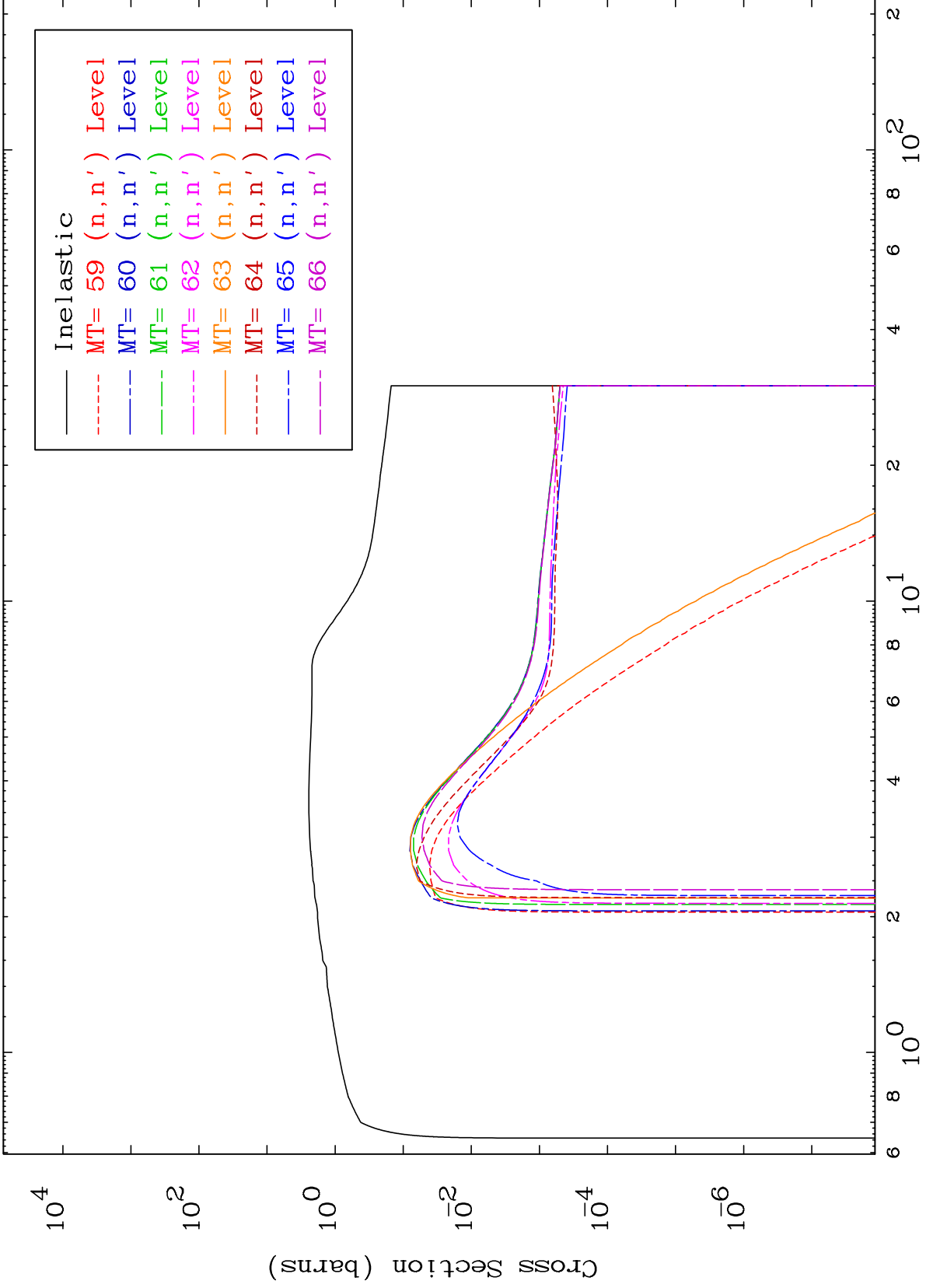
58-Ce-142

MAT 5843

(n,n') Levels

58-Ce-142

293 Kelvin Cross Sections



9

Incident Energy (MeV)

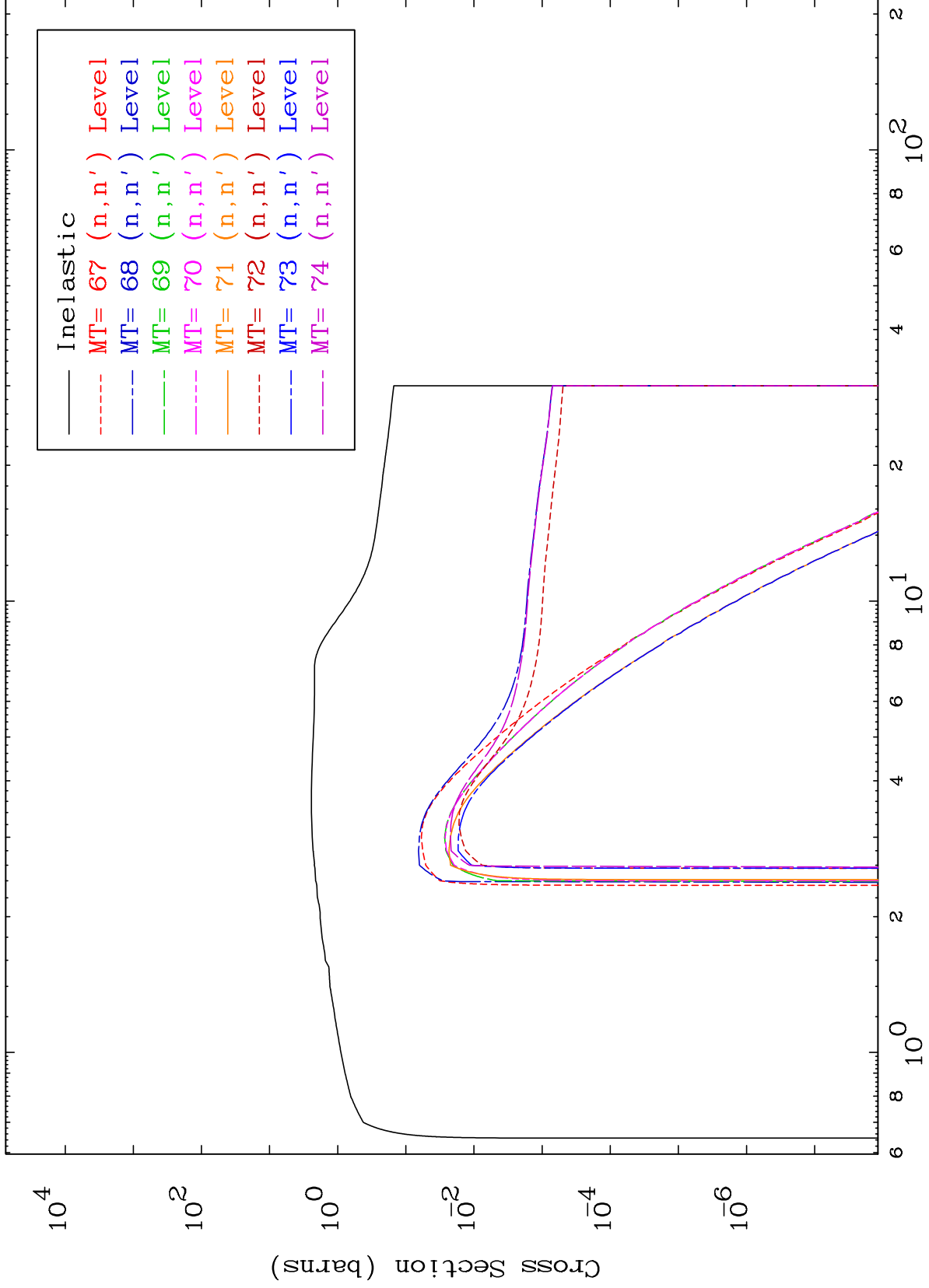
58-Ce-142

MAT 5843

(n,n') Levels

58-Ce-142

293 Kelvin Cross Sections



10

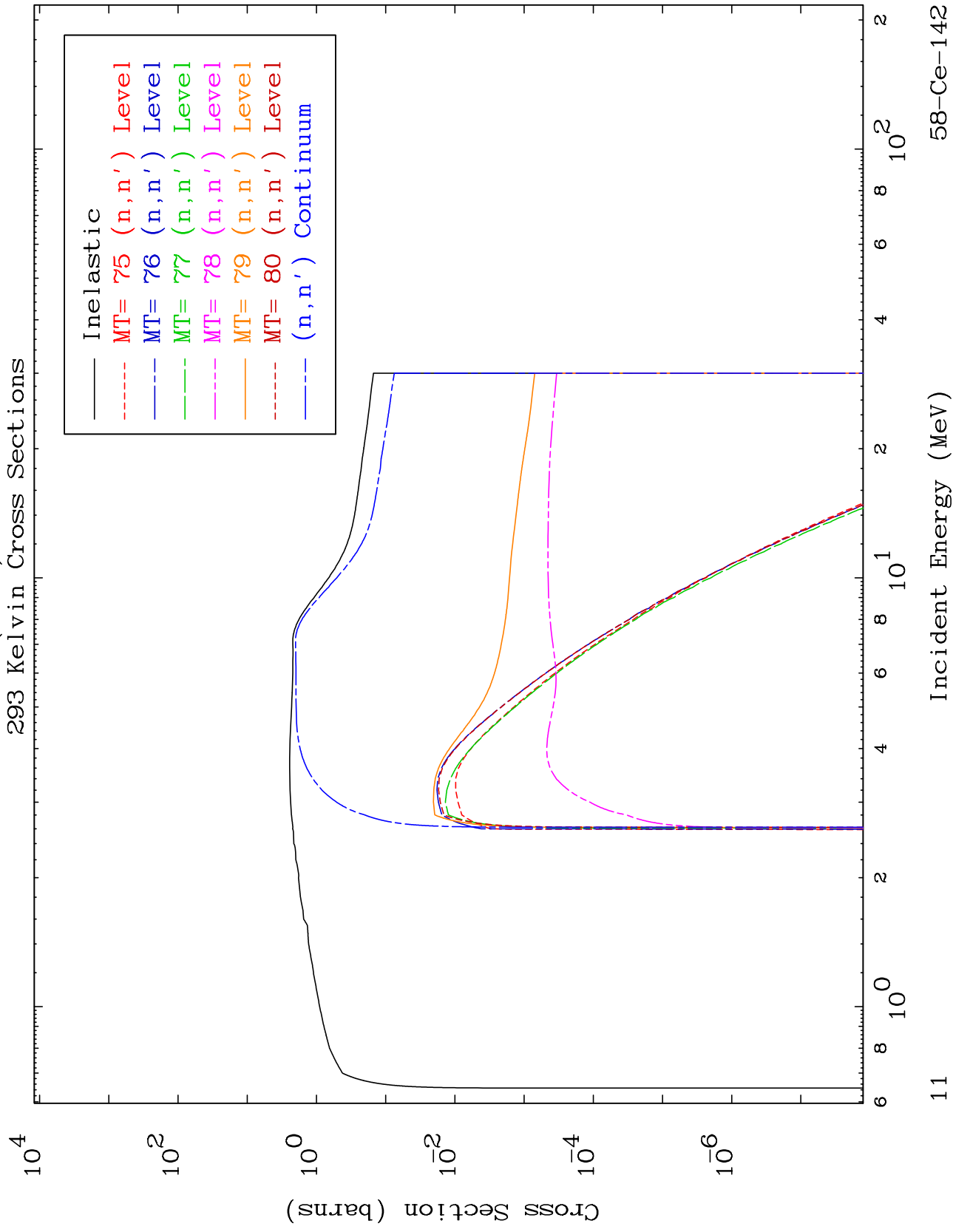
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,n') Levels

58-Ce-142

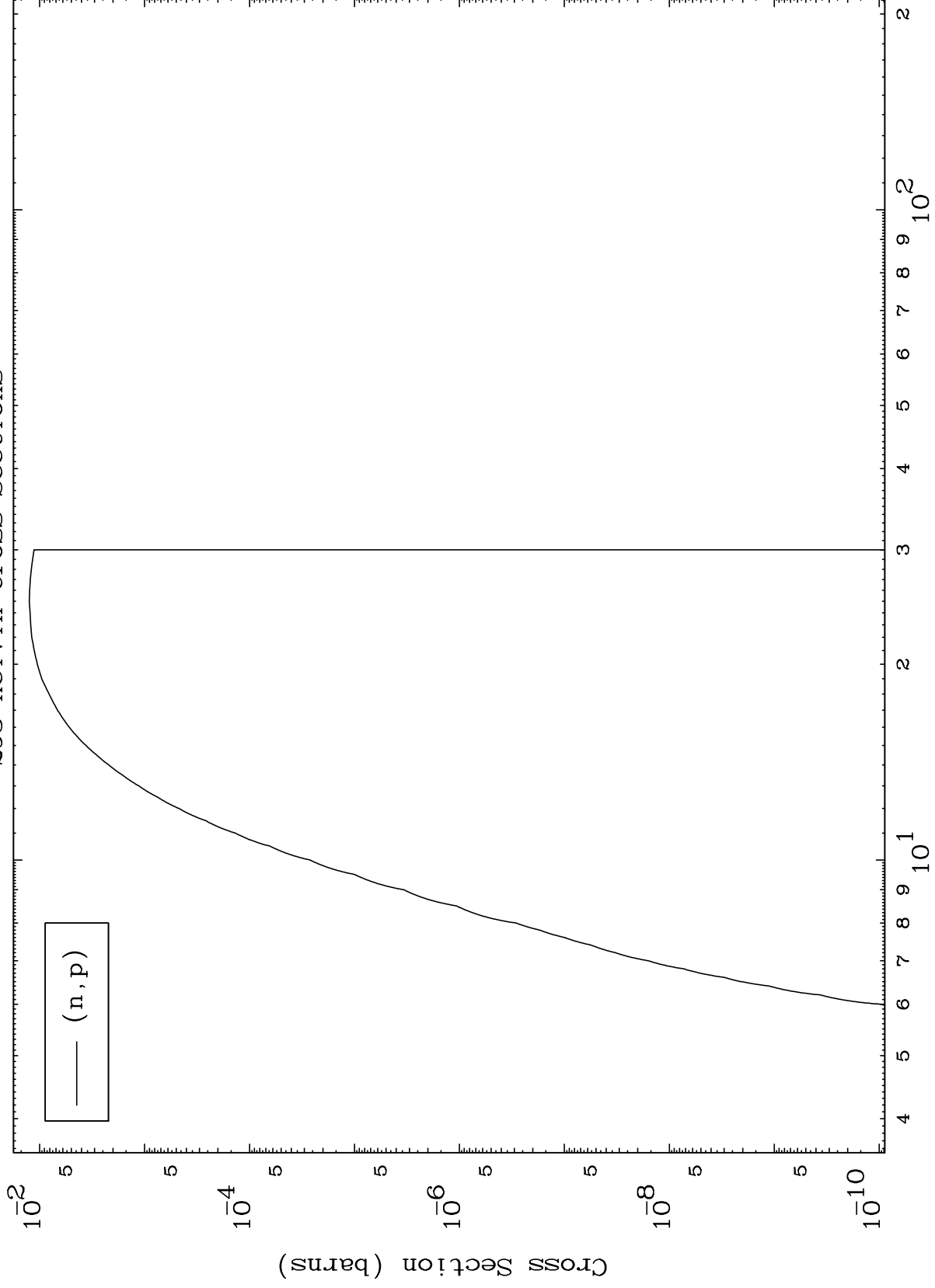


11

MAT 5843

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-142



12

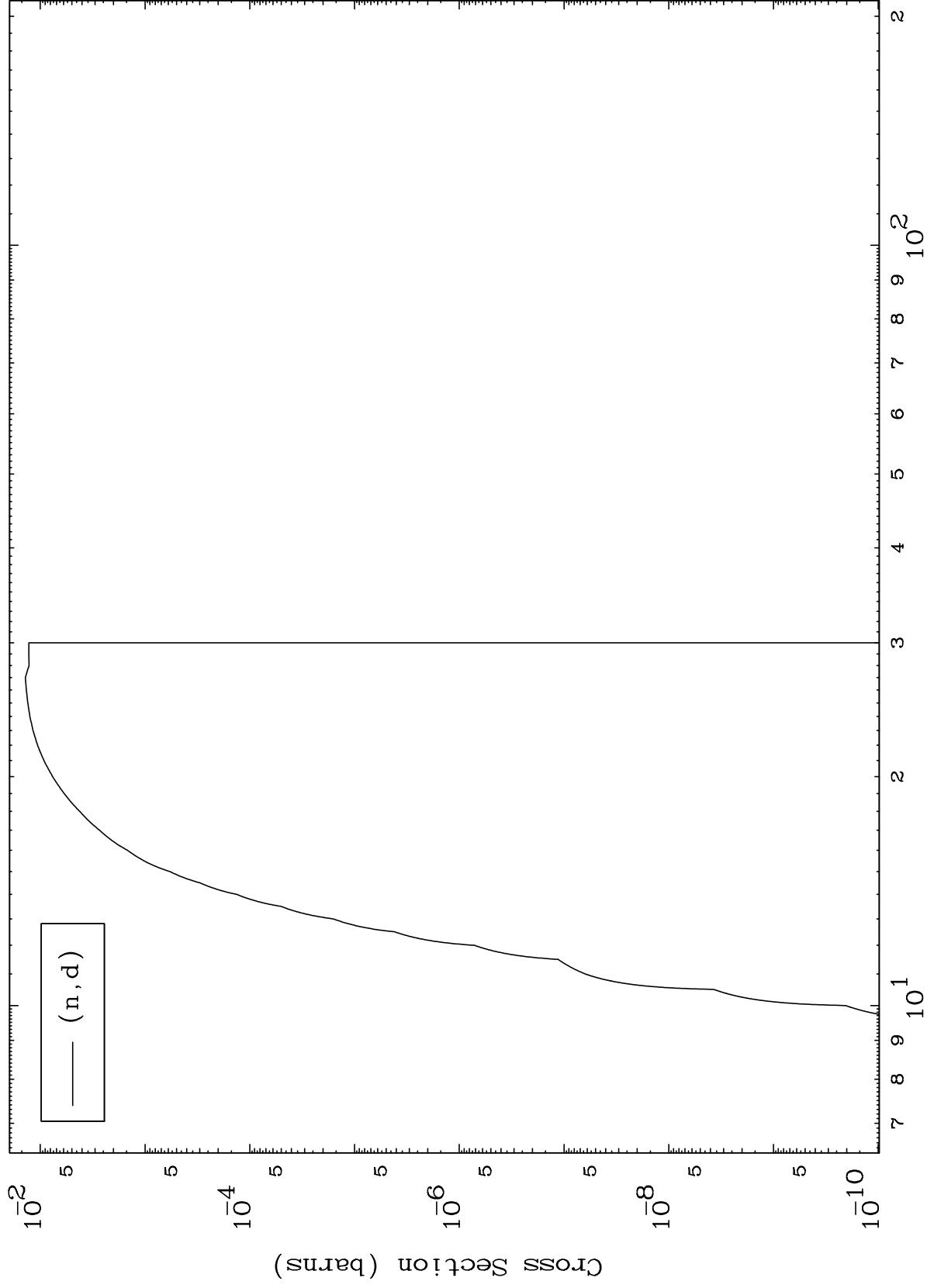
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-142



13

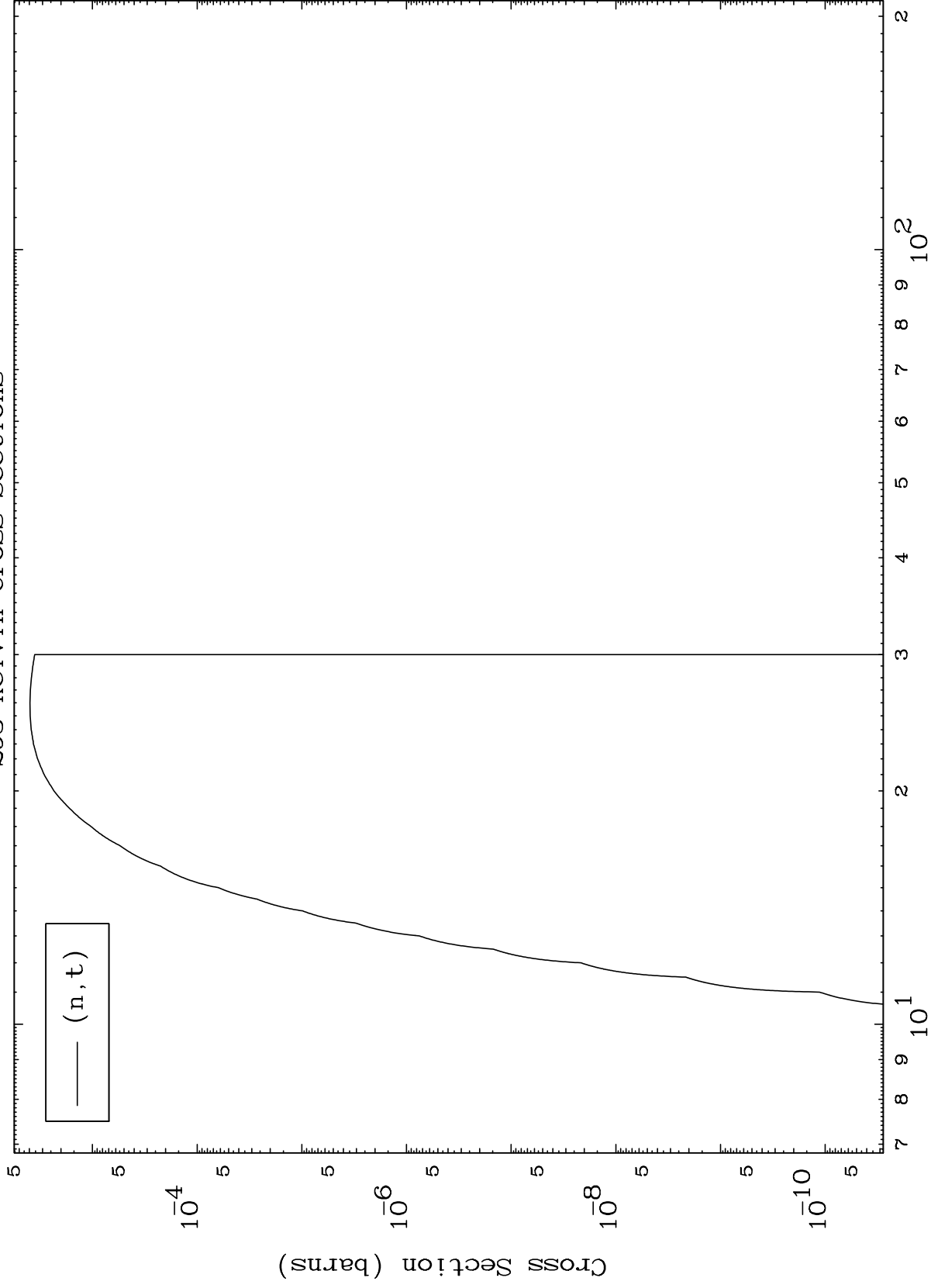
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-142



Incident Energy (MeV)

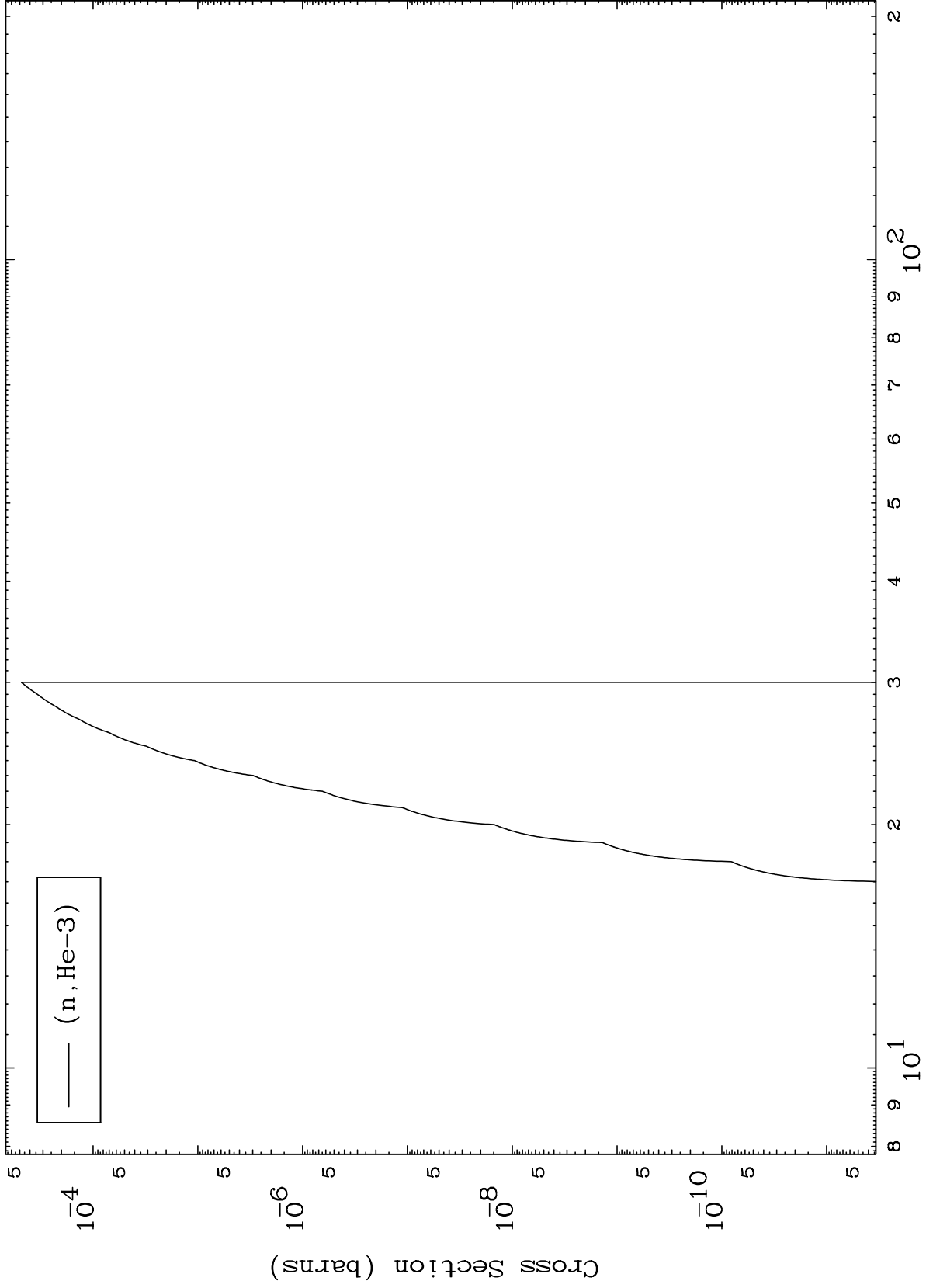
58-Ce-142

14

MAT 5843

(n,He3) Levels
293 Kelvin Cross Sections

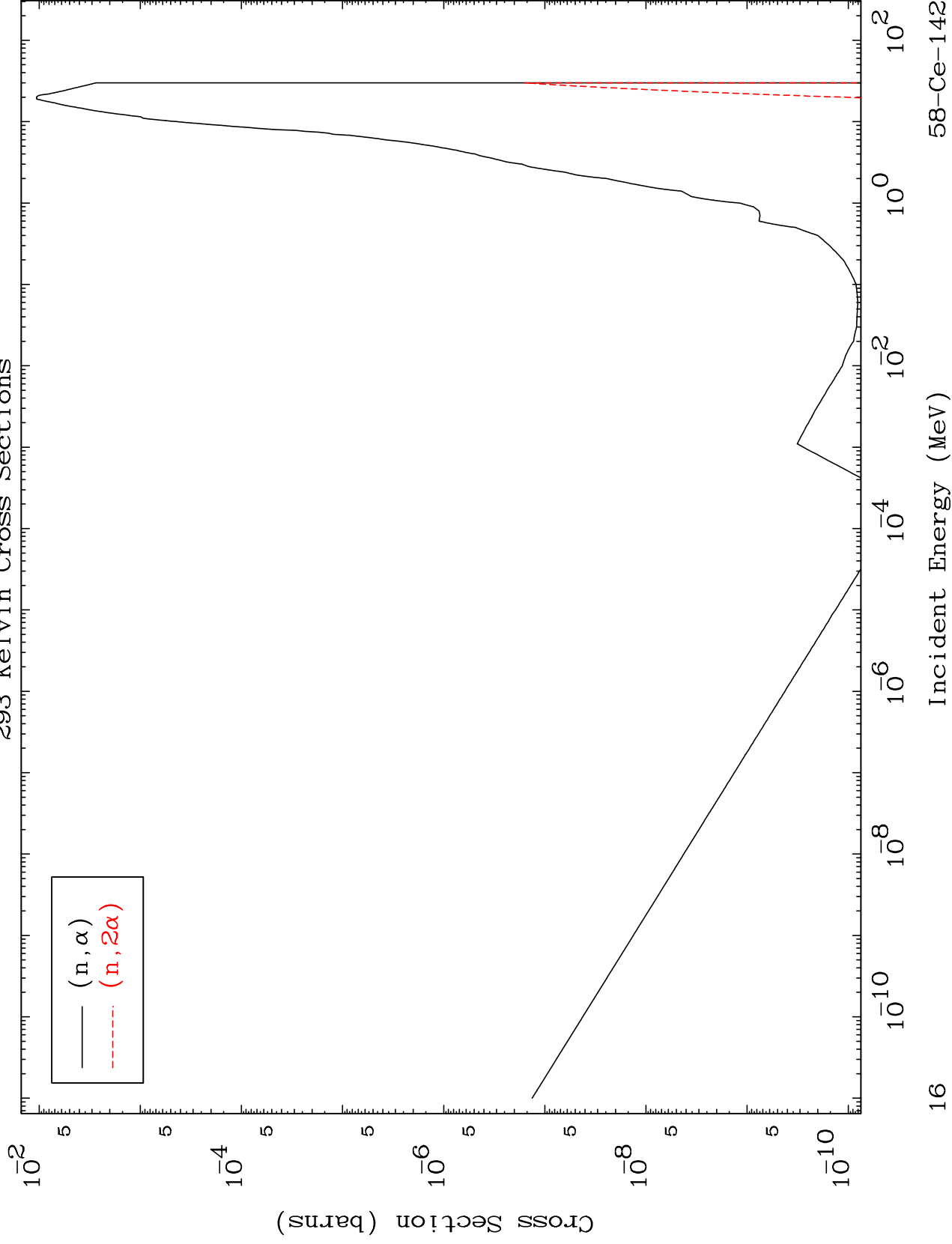
58-Ce-142



MAT 5843

(n, α) Levels
293 Kelvin Cross Sections

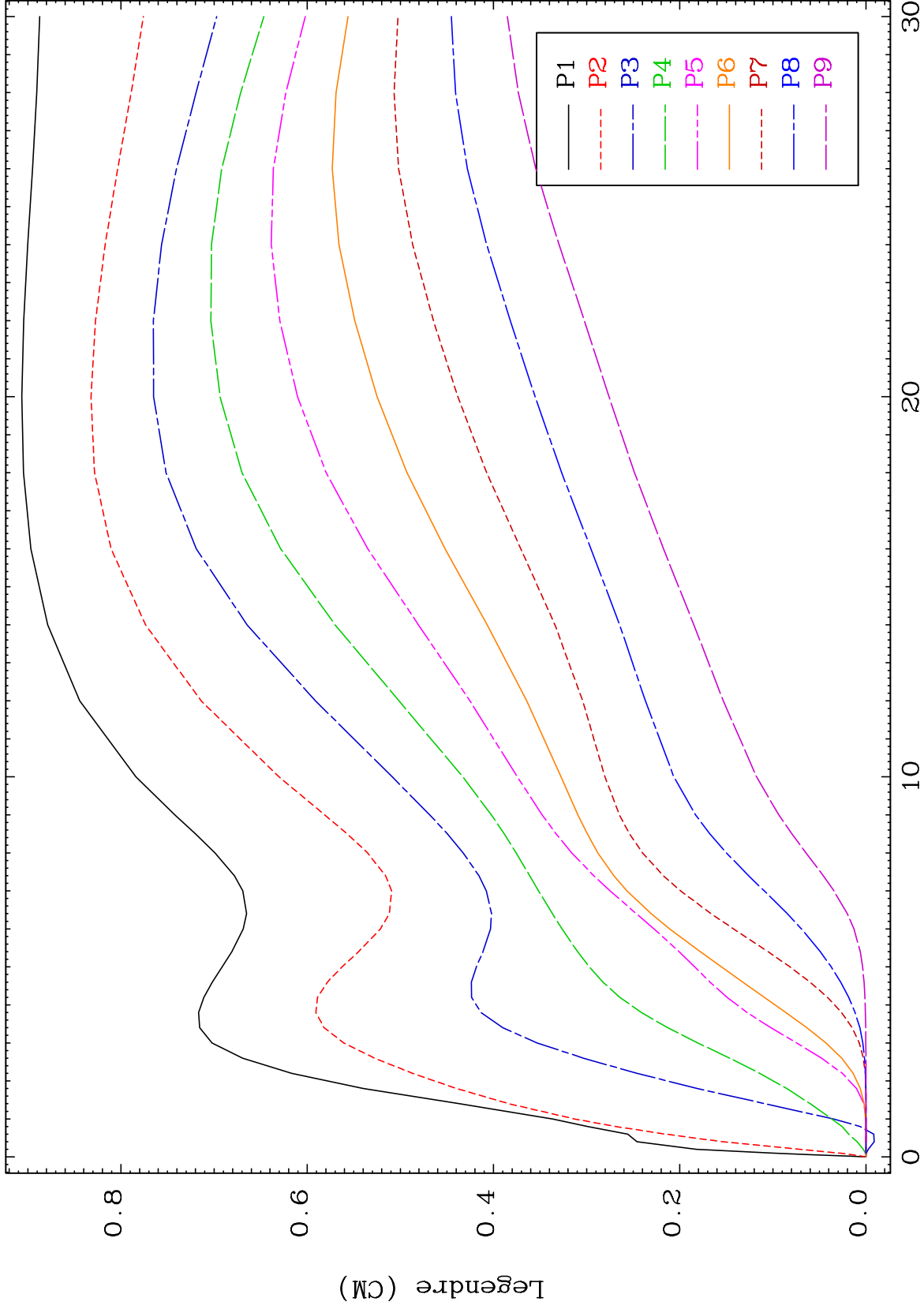
58-Ce-142



MAT 5843

Elastic Legendre Coefficients

58-Ce-142



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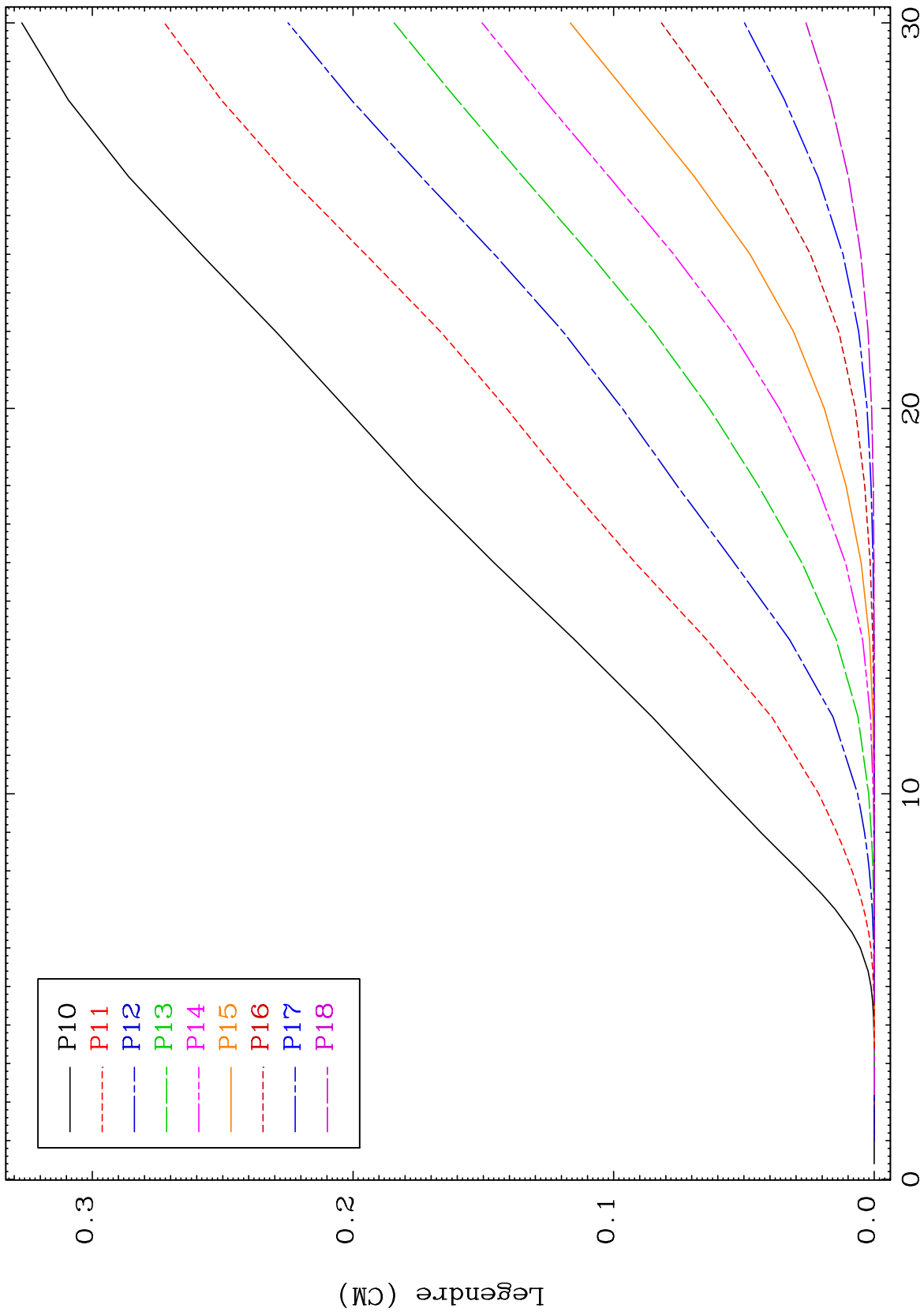
Incident Energy (MeV)

58-Ce-142

MAT 5843

Elastic Legendre Coefficients

58-Ce-142



18

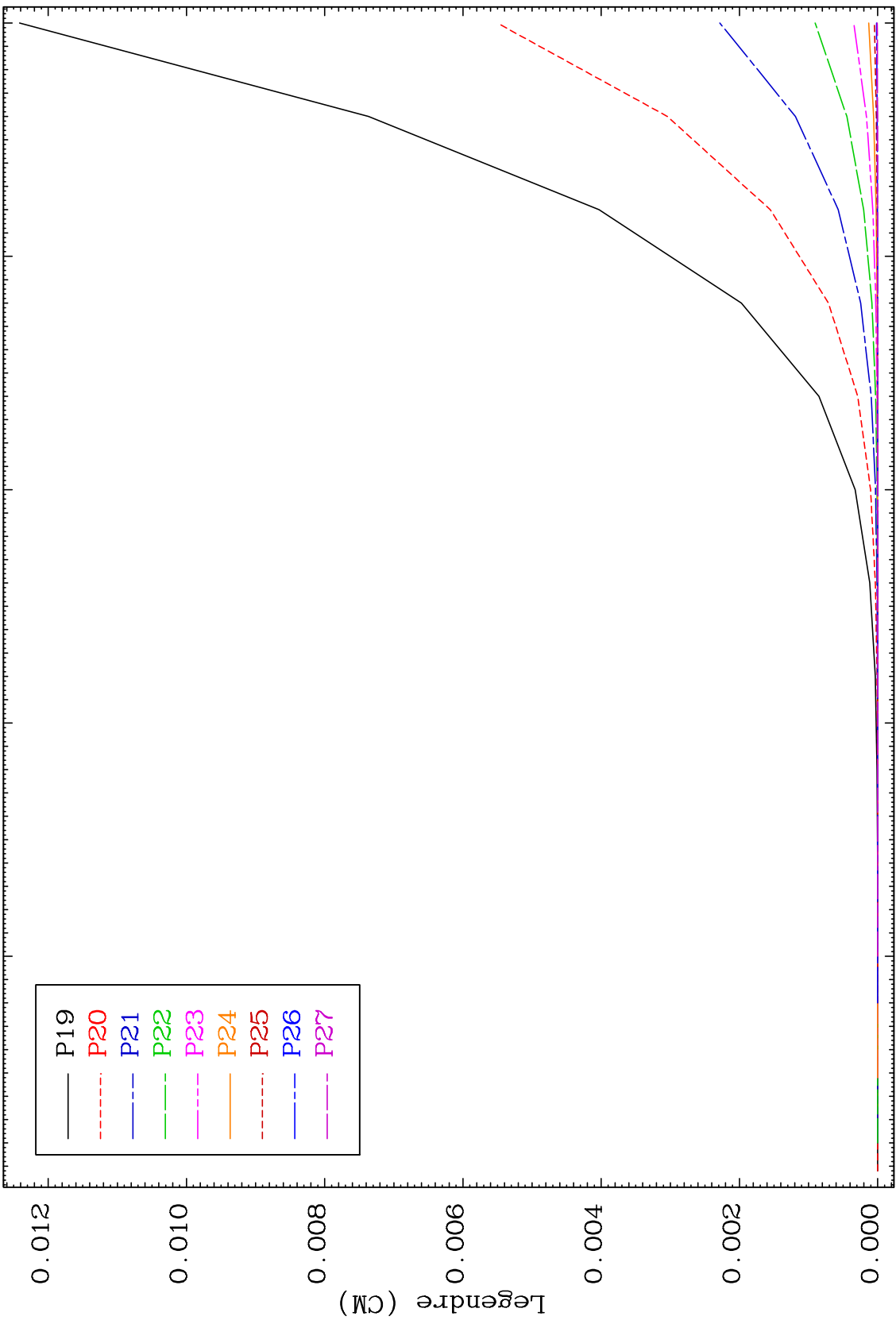
Incident Energy (MeV)

58-Ce-142

MAT 5843

Elastic Legendre Coefficients

58-Ce-142



19

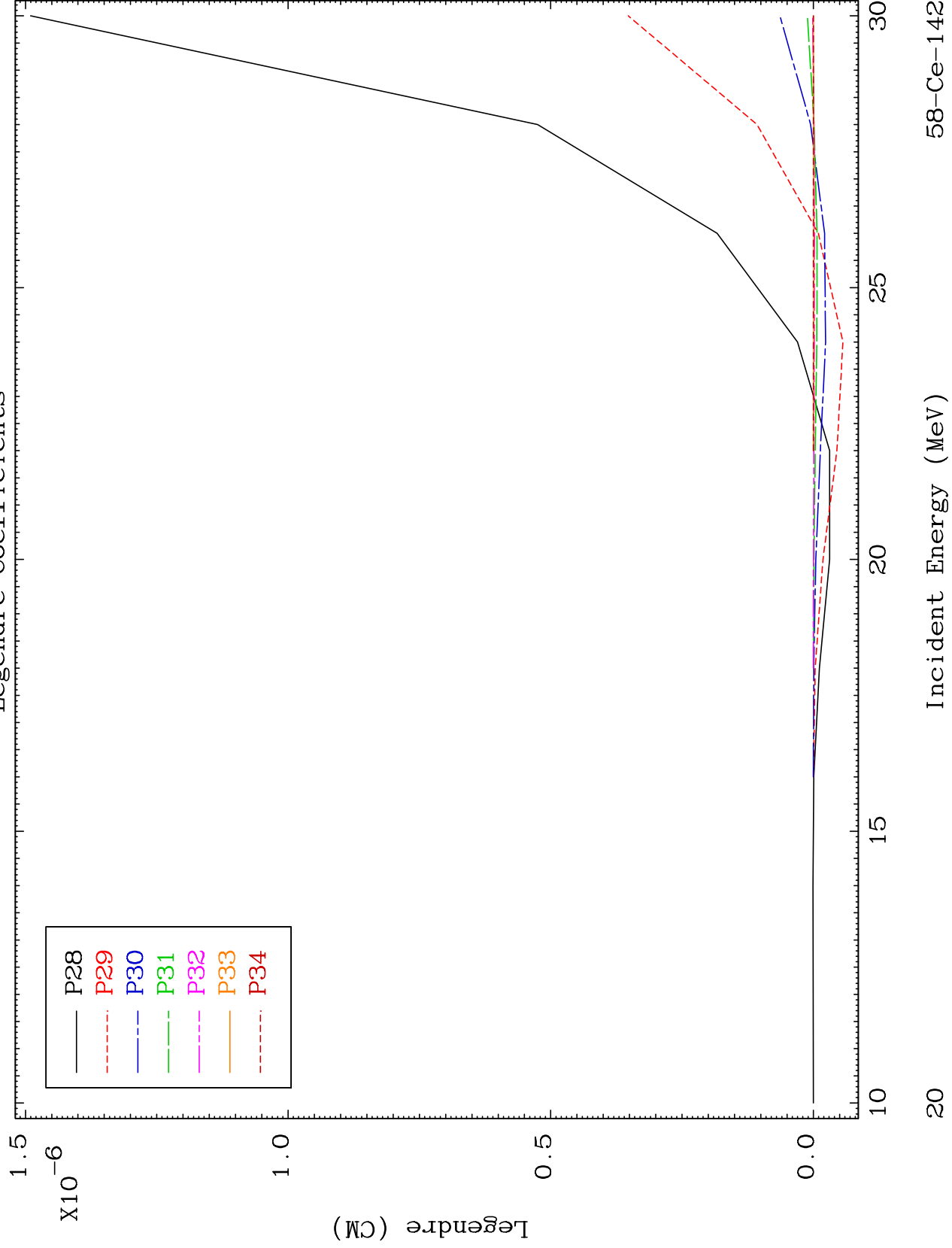
Incident Energy (MeV)

58-Ce-142

MAT 5843

Elastic
Legendre Coefficients

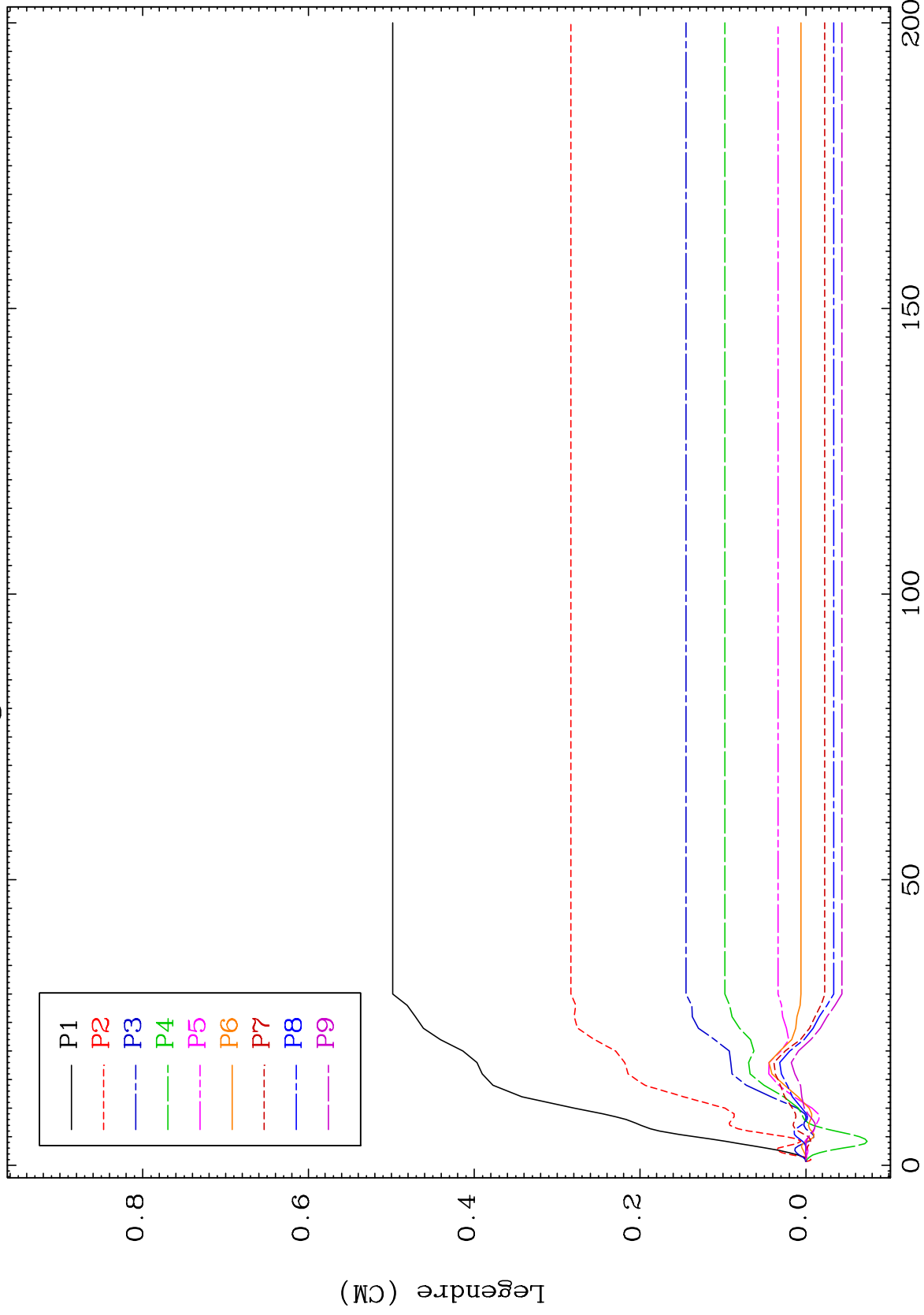
58-Ce-142



MAT 5843

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

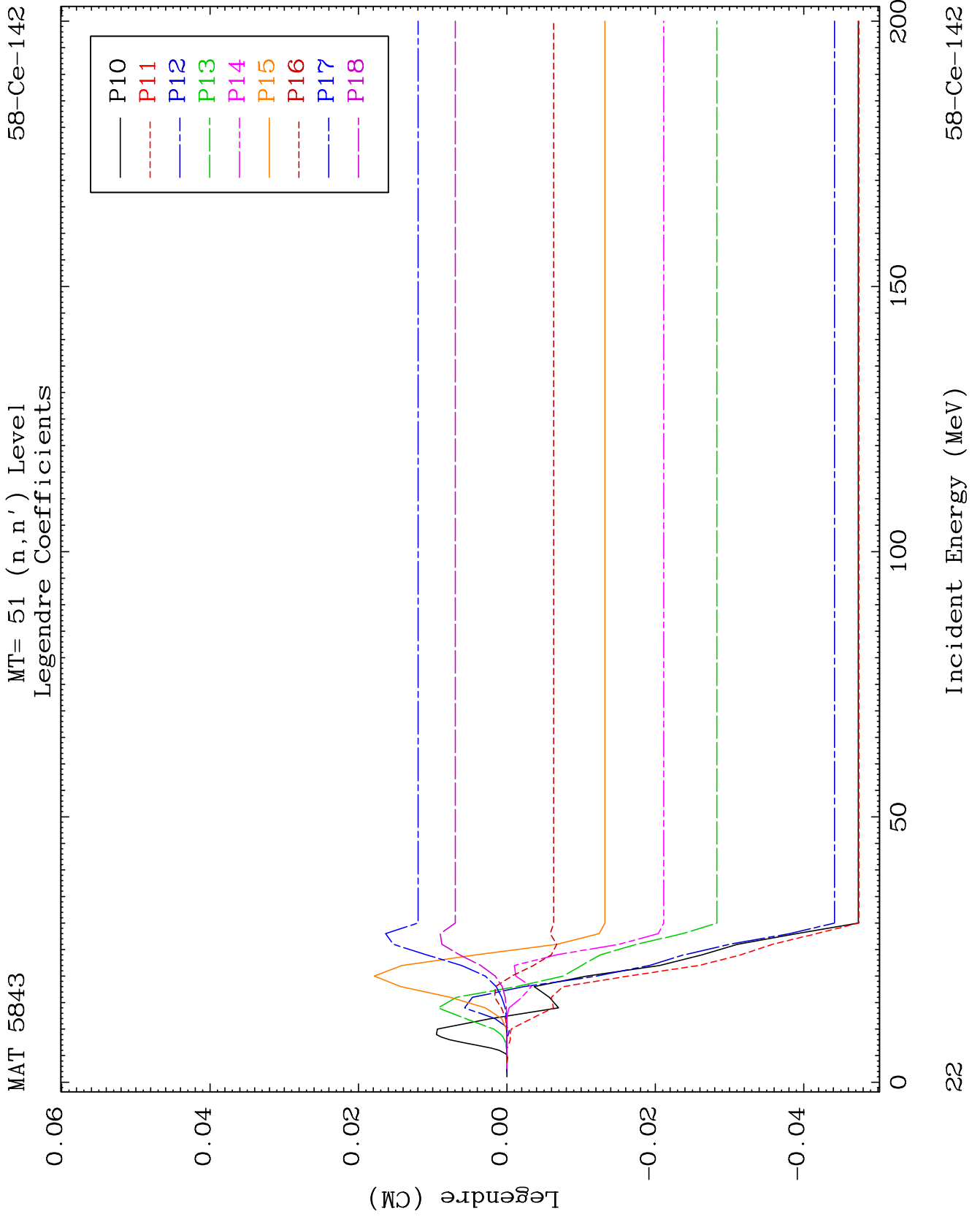
58-Ce-142



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Incident Energy (MeV)

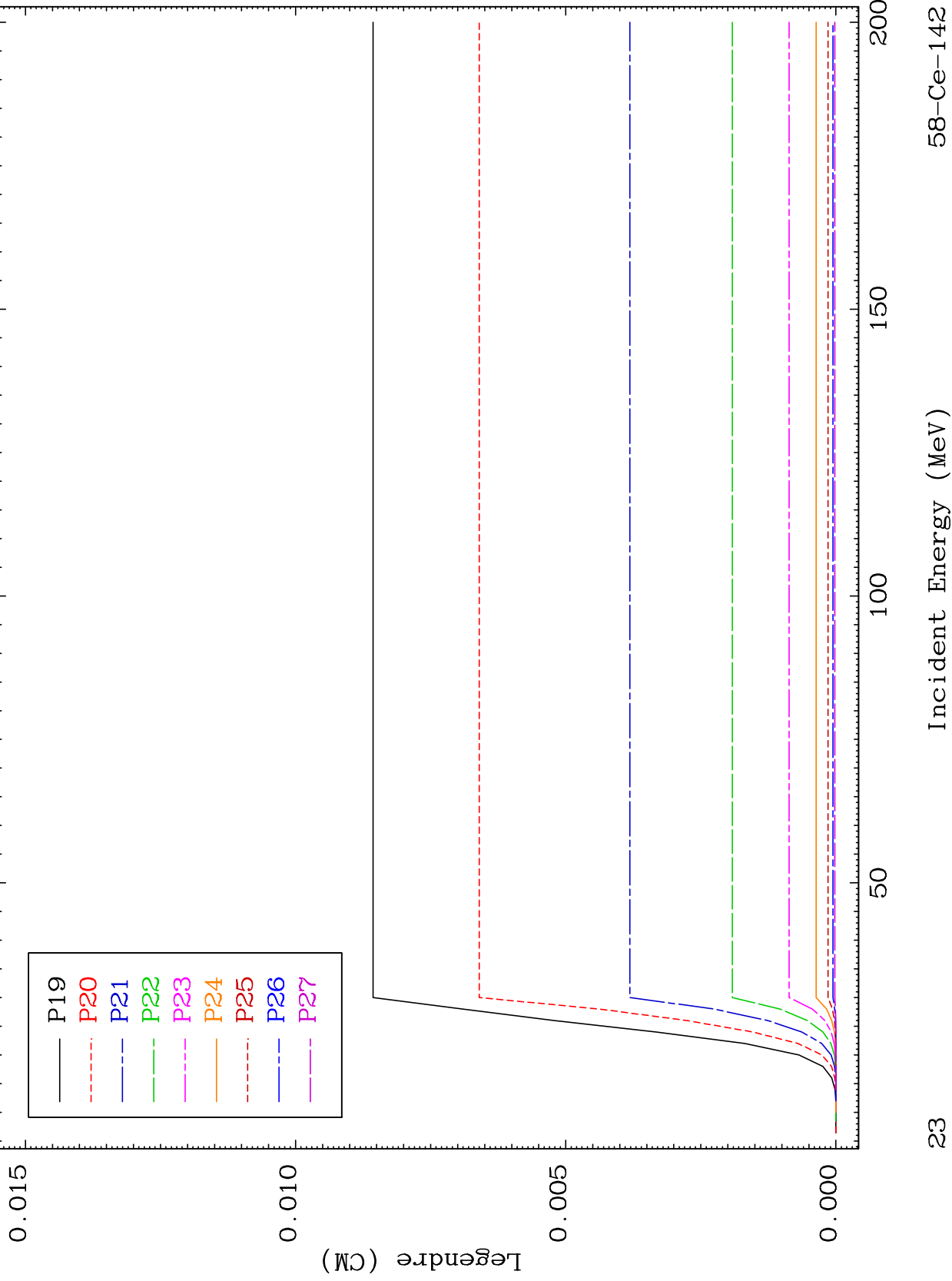
58-Ce-142



MAT 5843

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

58-Ce-142



23

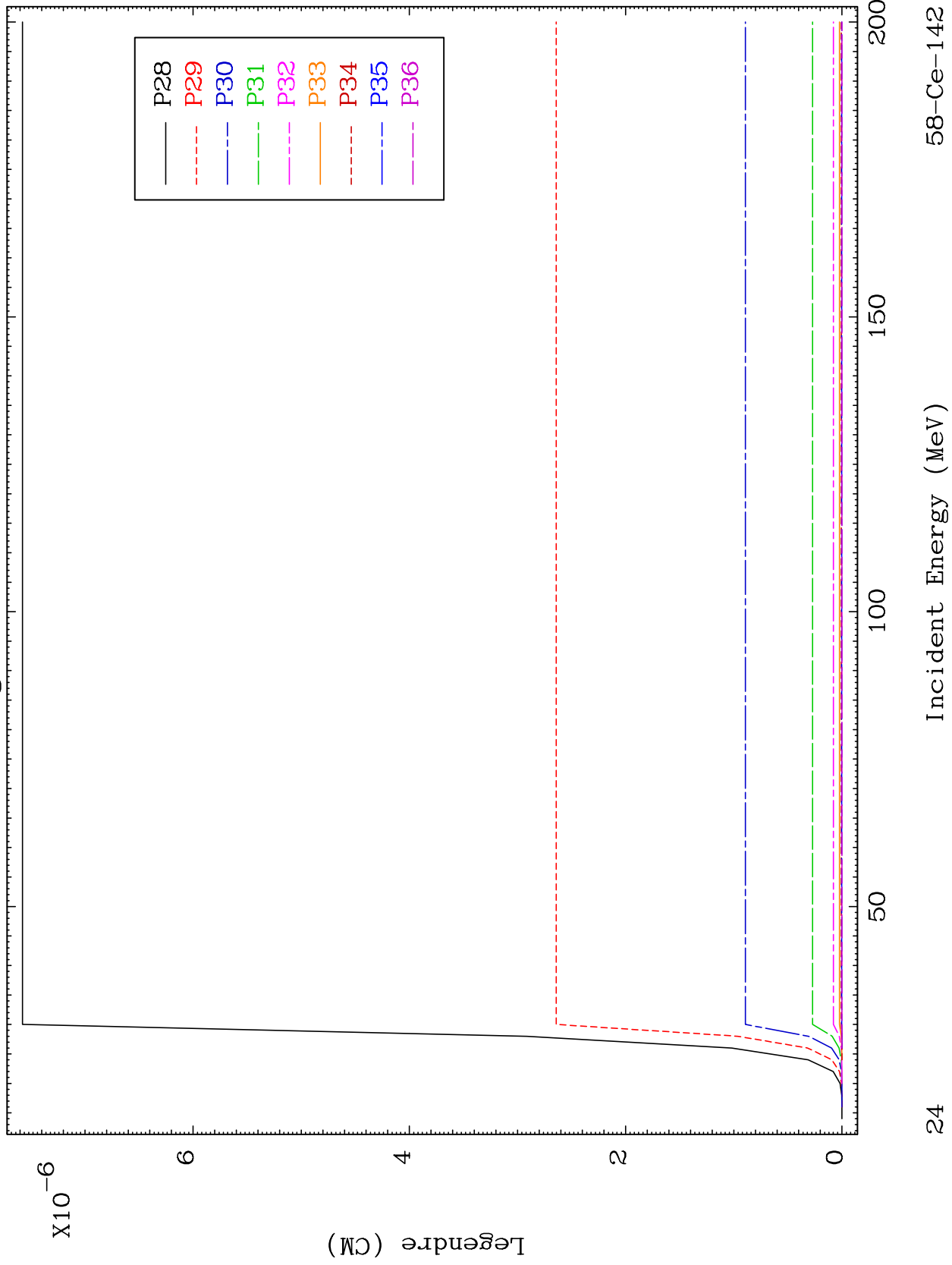
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



24

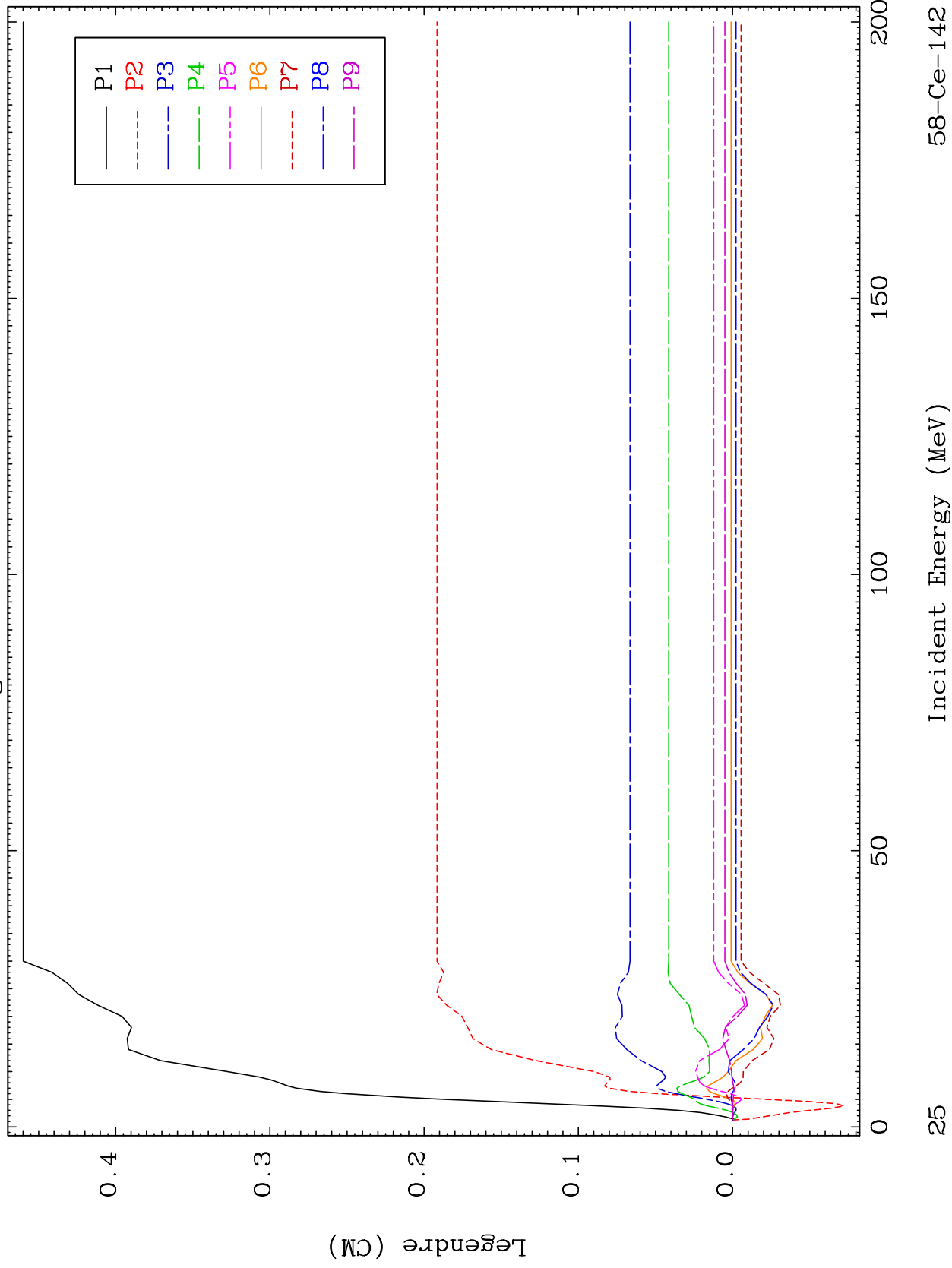
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

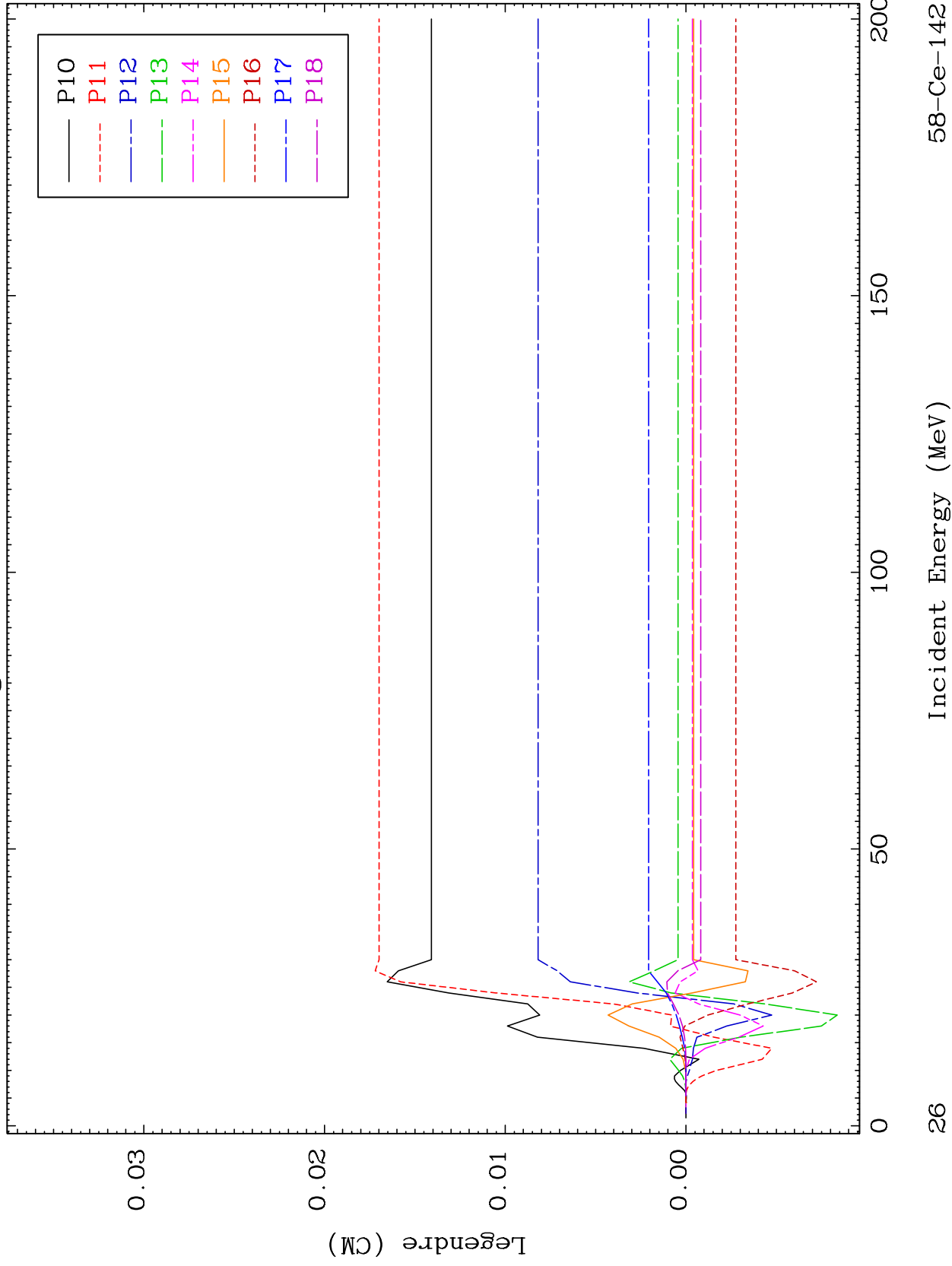
Incident Energy (MeV)

25

MAT 5843

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

58-Ce-142



58-Ce-142

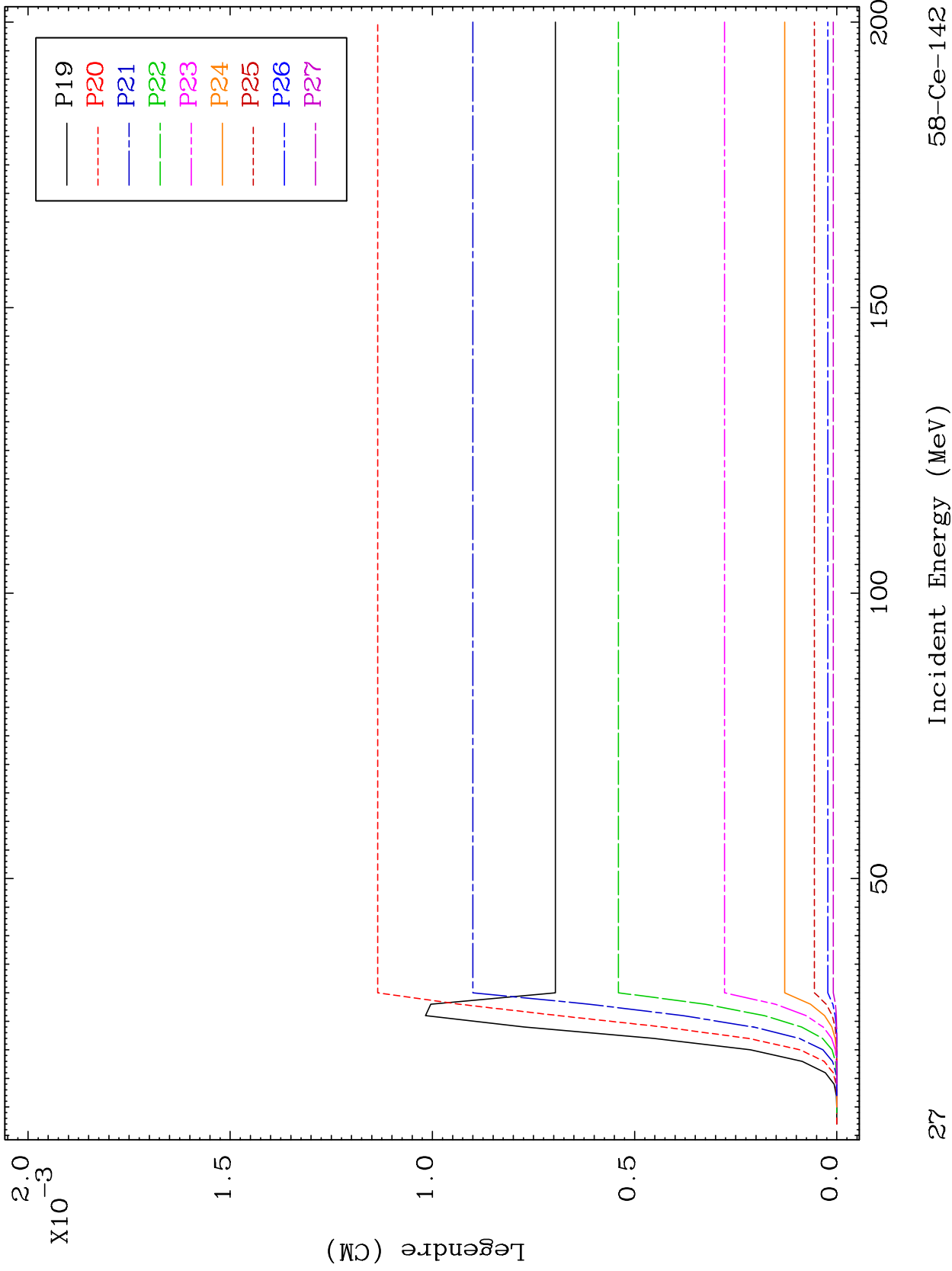
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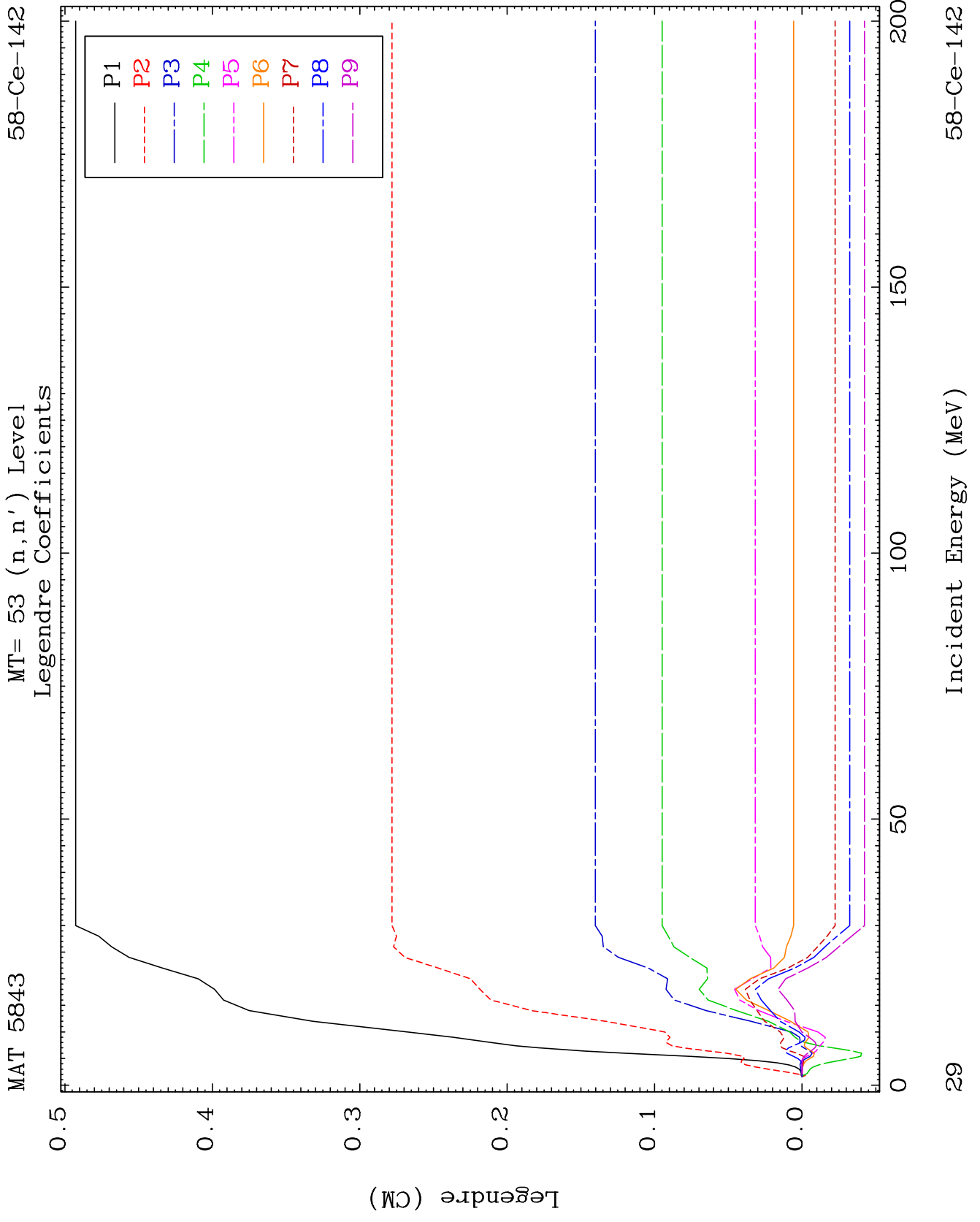
26

MAT 5843

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

58-Ce-142

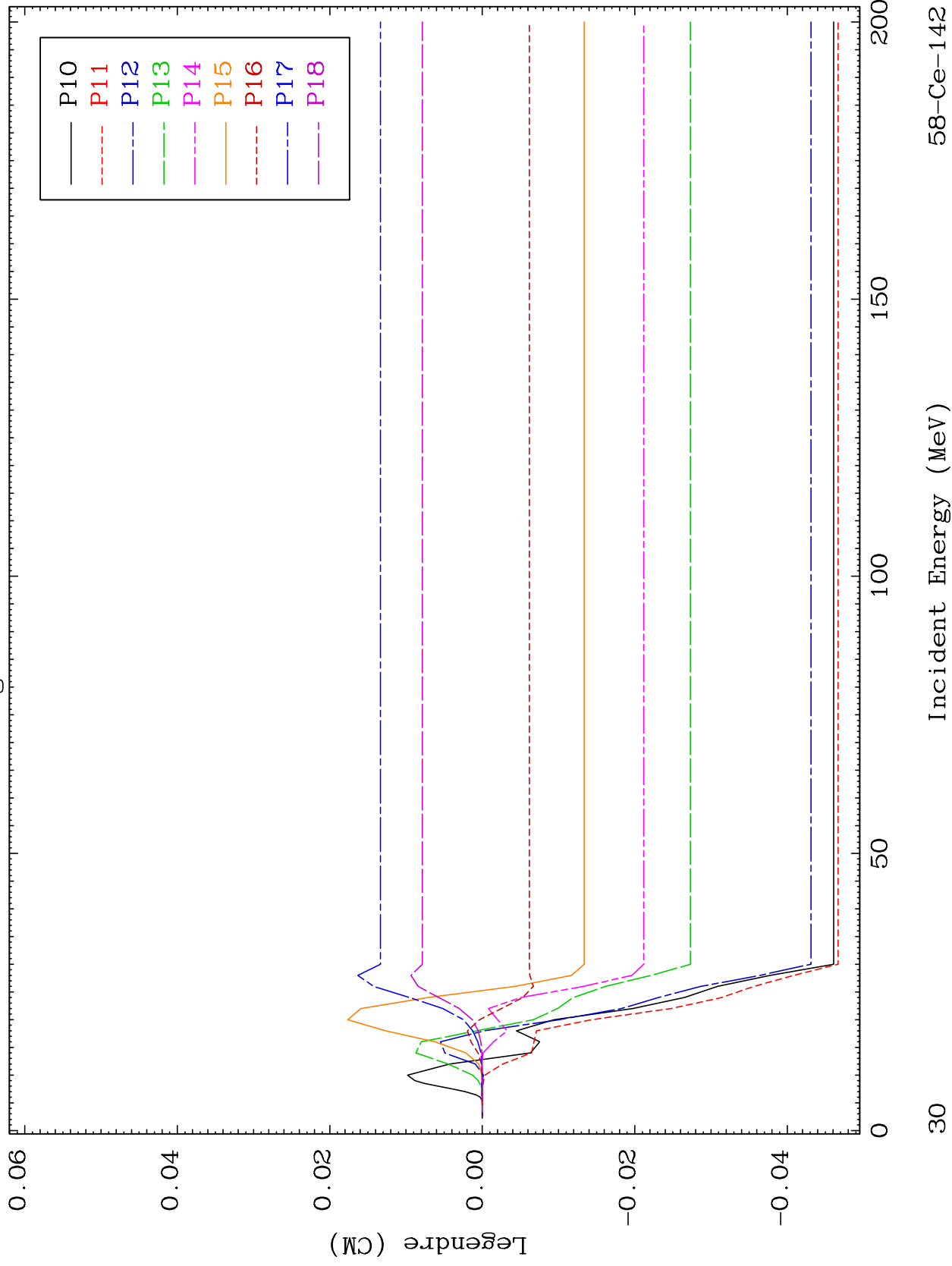




MAT 5843

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

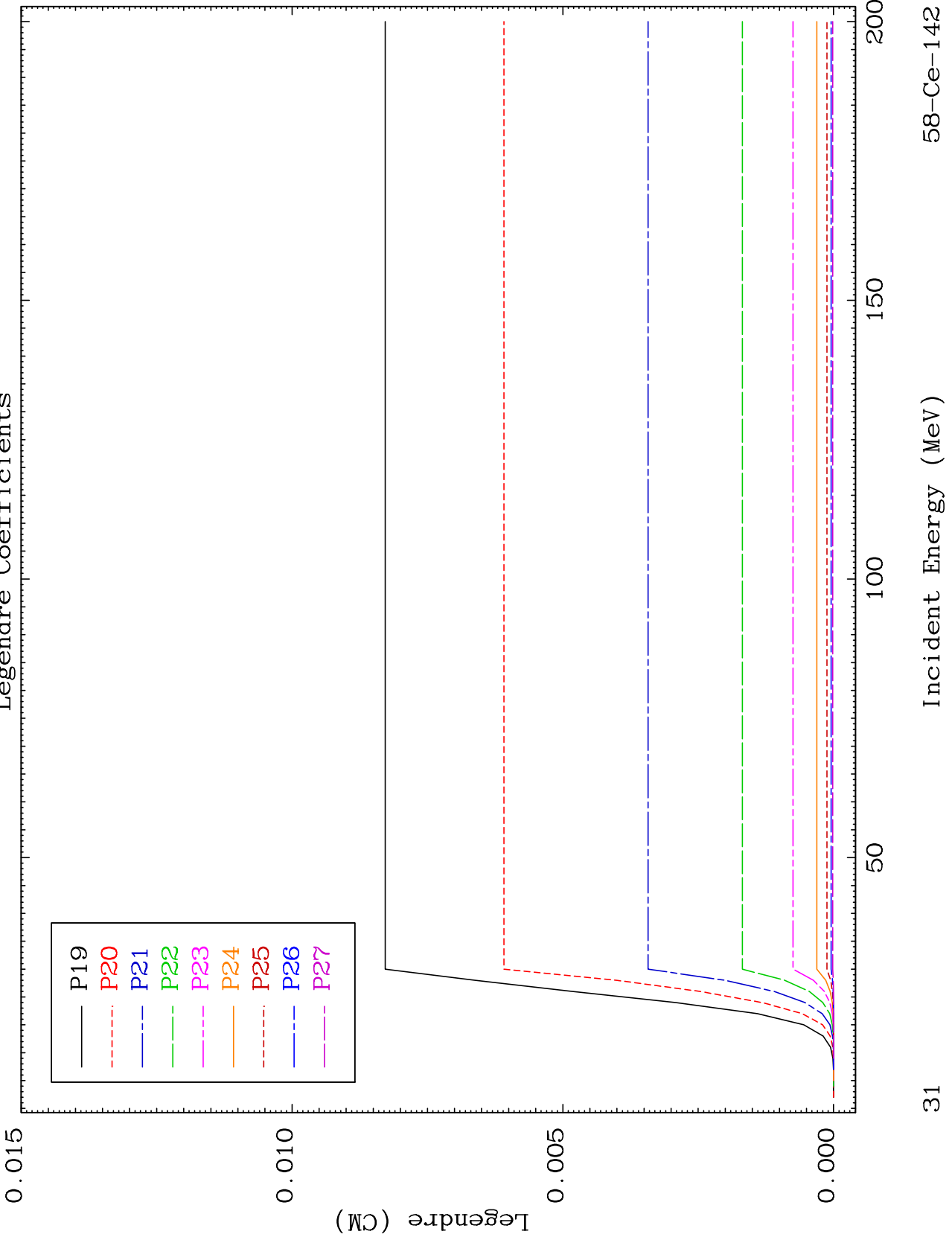
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MAT 5843

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

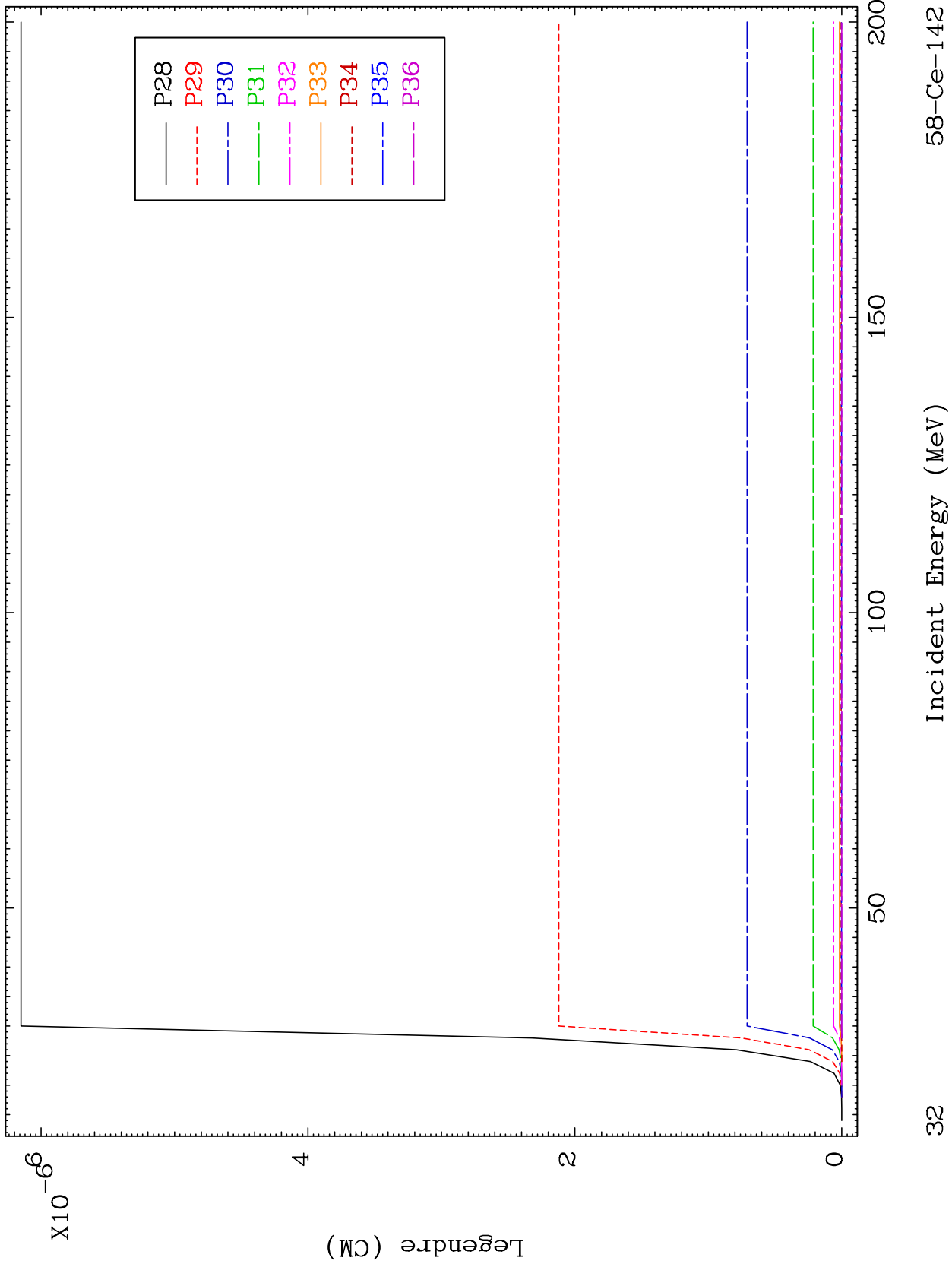
58-Ce-142



MAT 5843

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

58-Ce-142



32

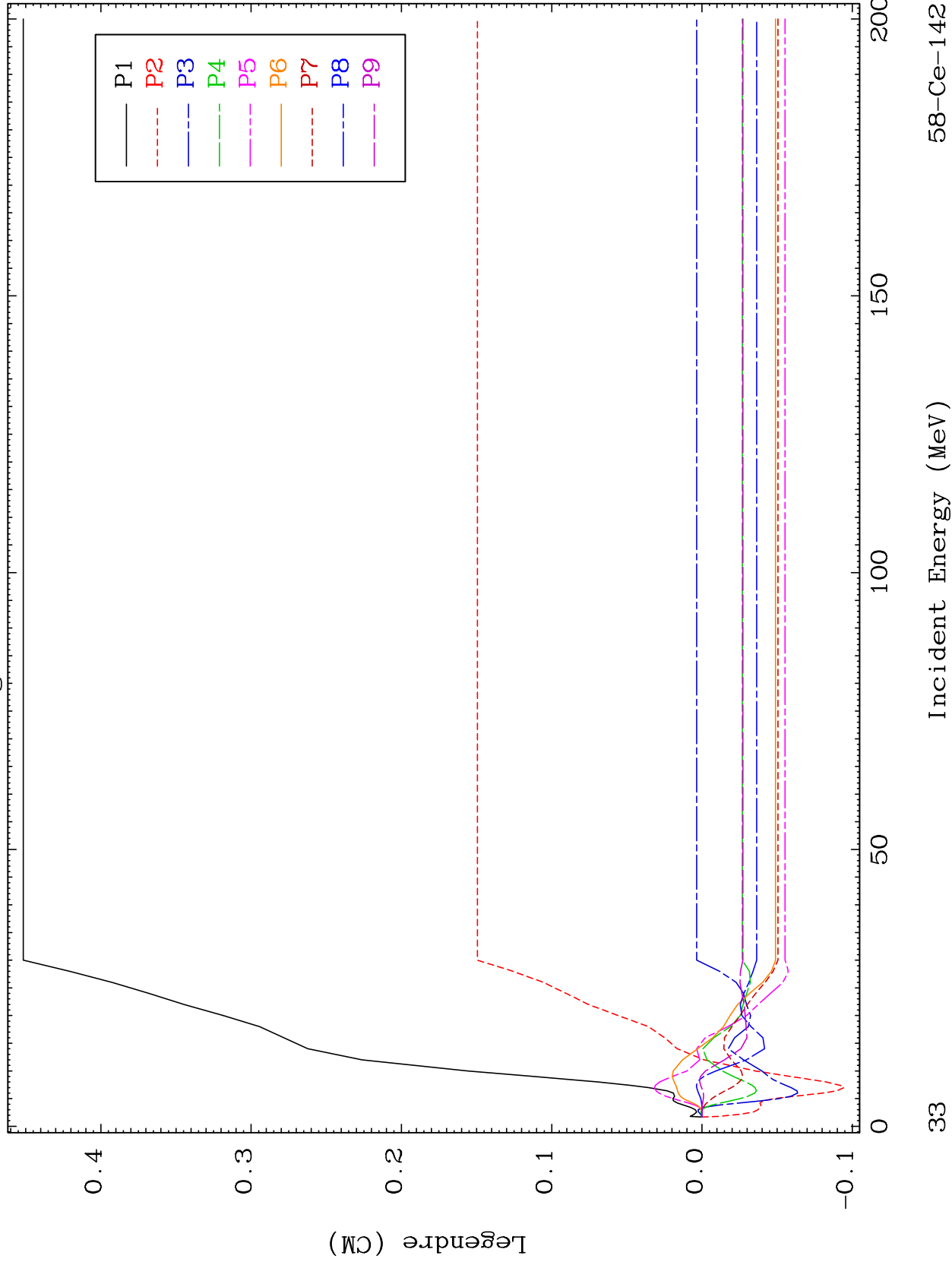
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142

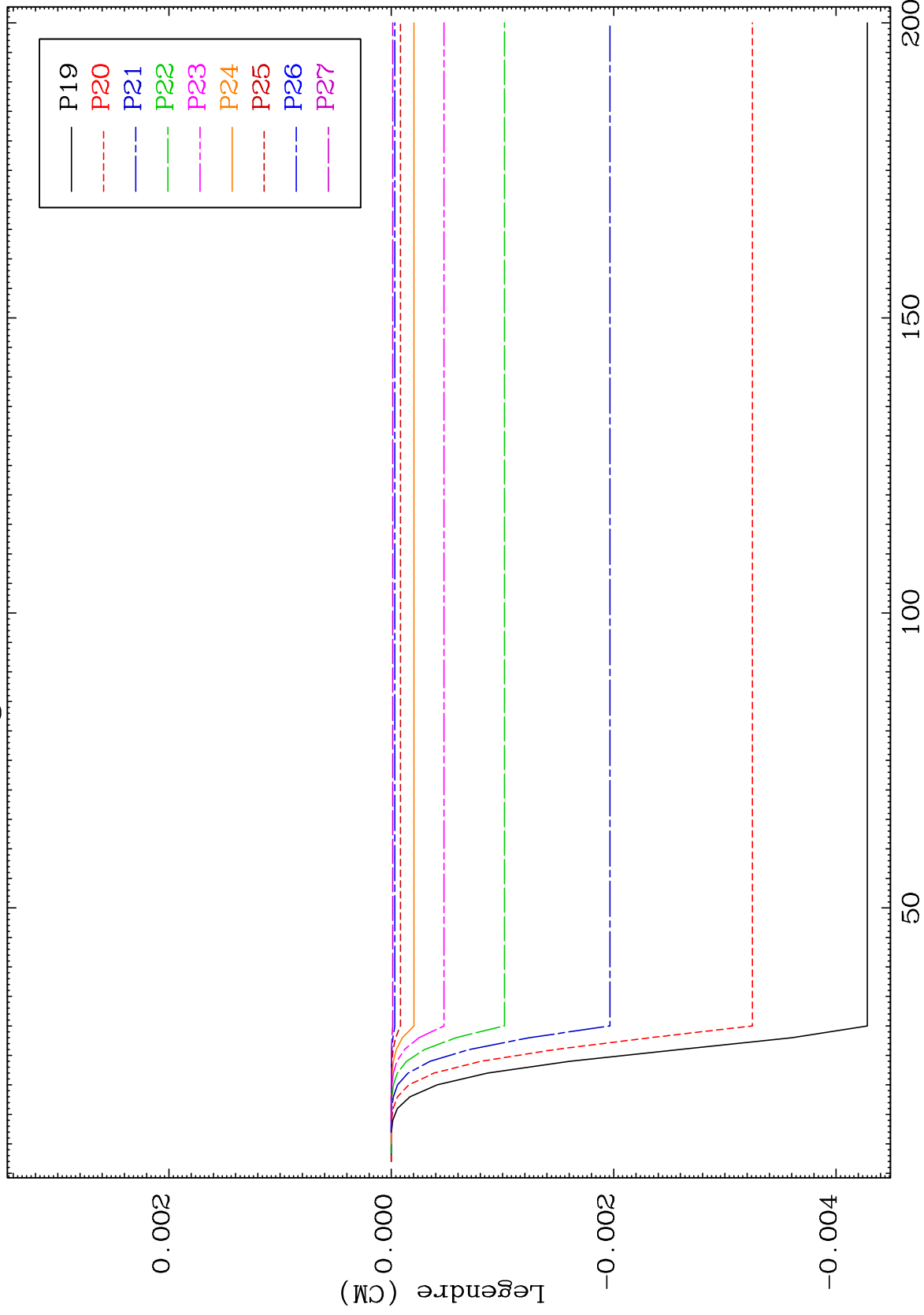


58-Ce-142

MAT 5843

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

58-Ce-142



35

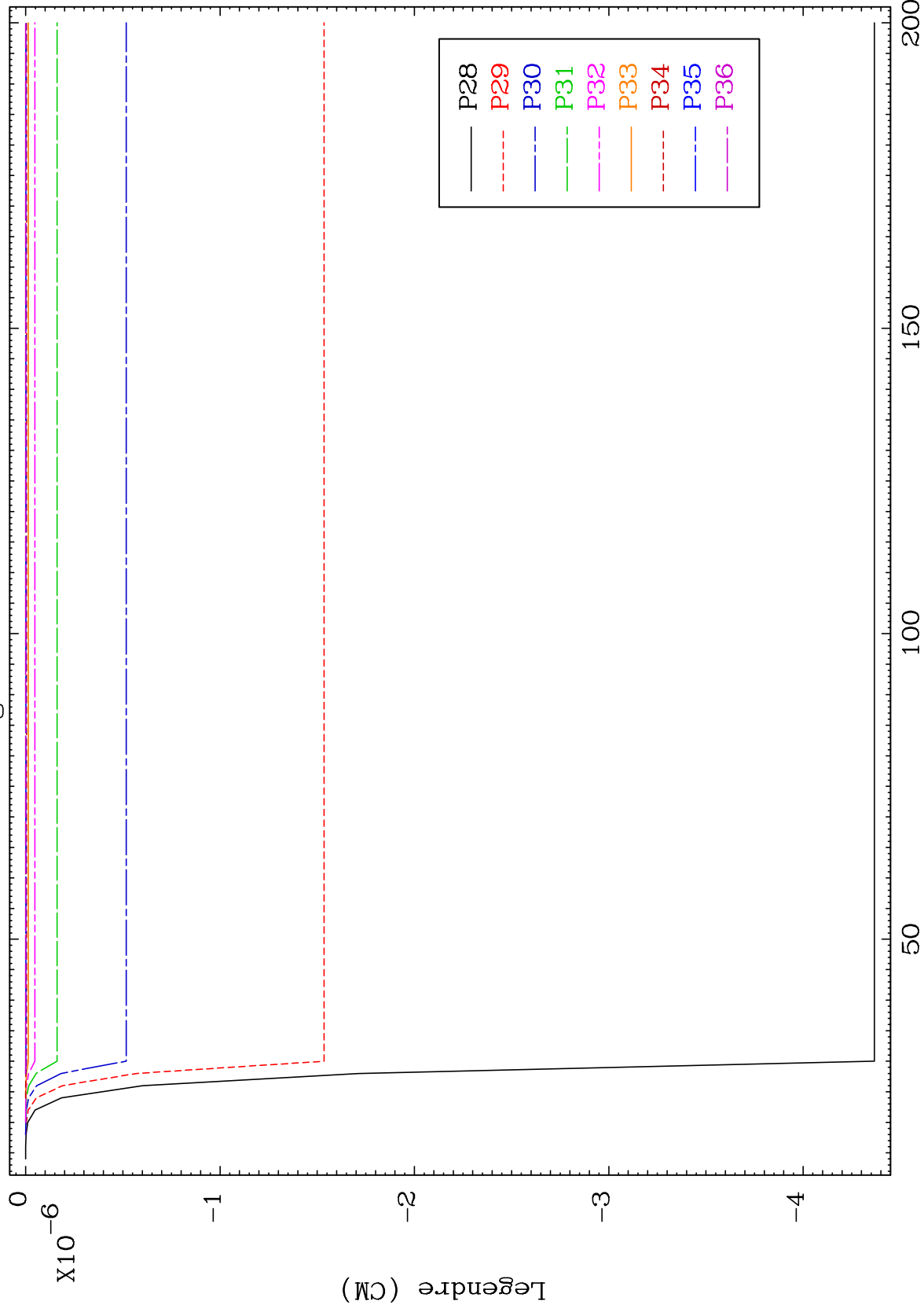
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



36

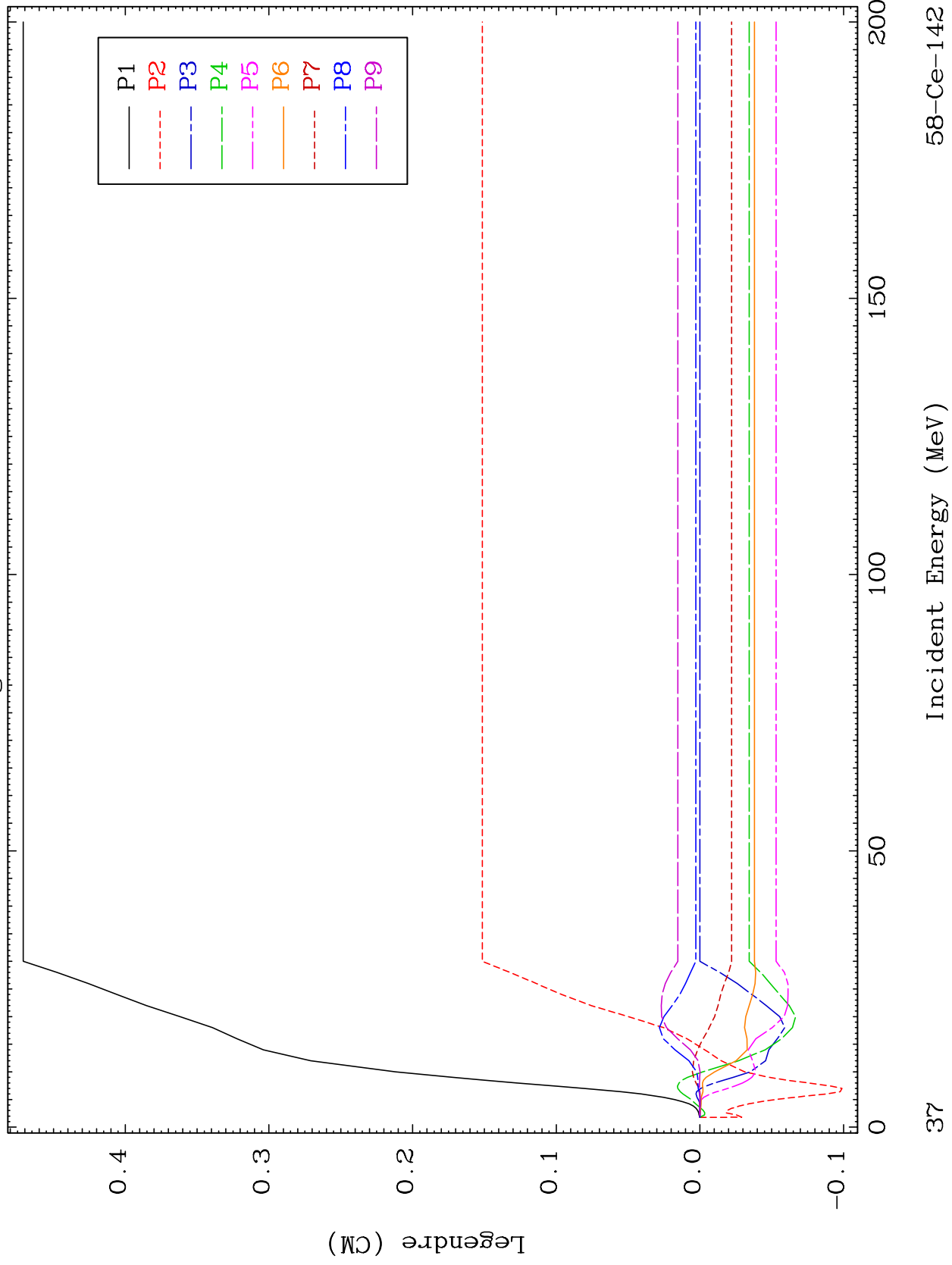
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

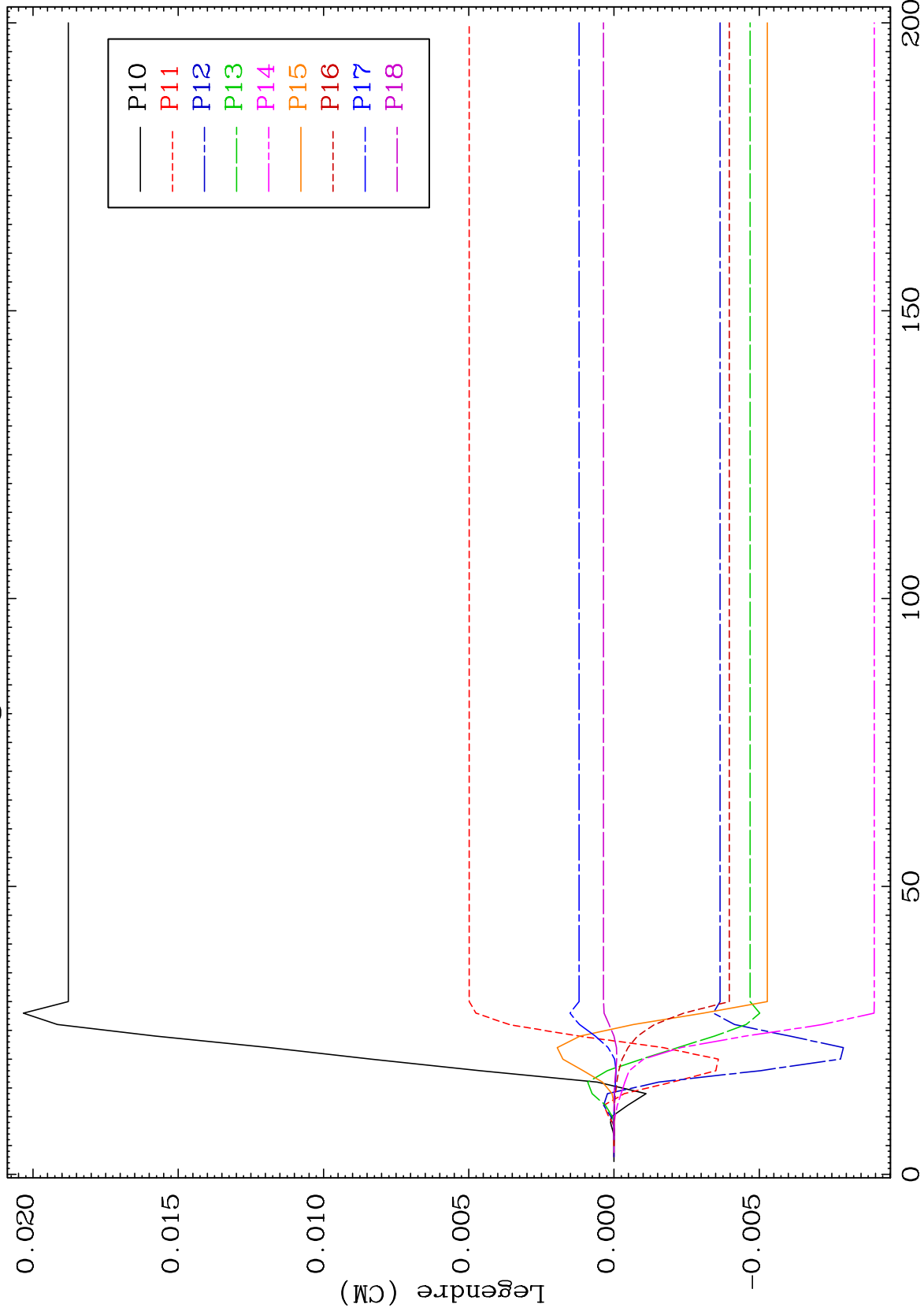
Incident Energy (MeV)

37

MAT 5843

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

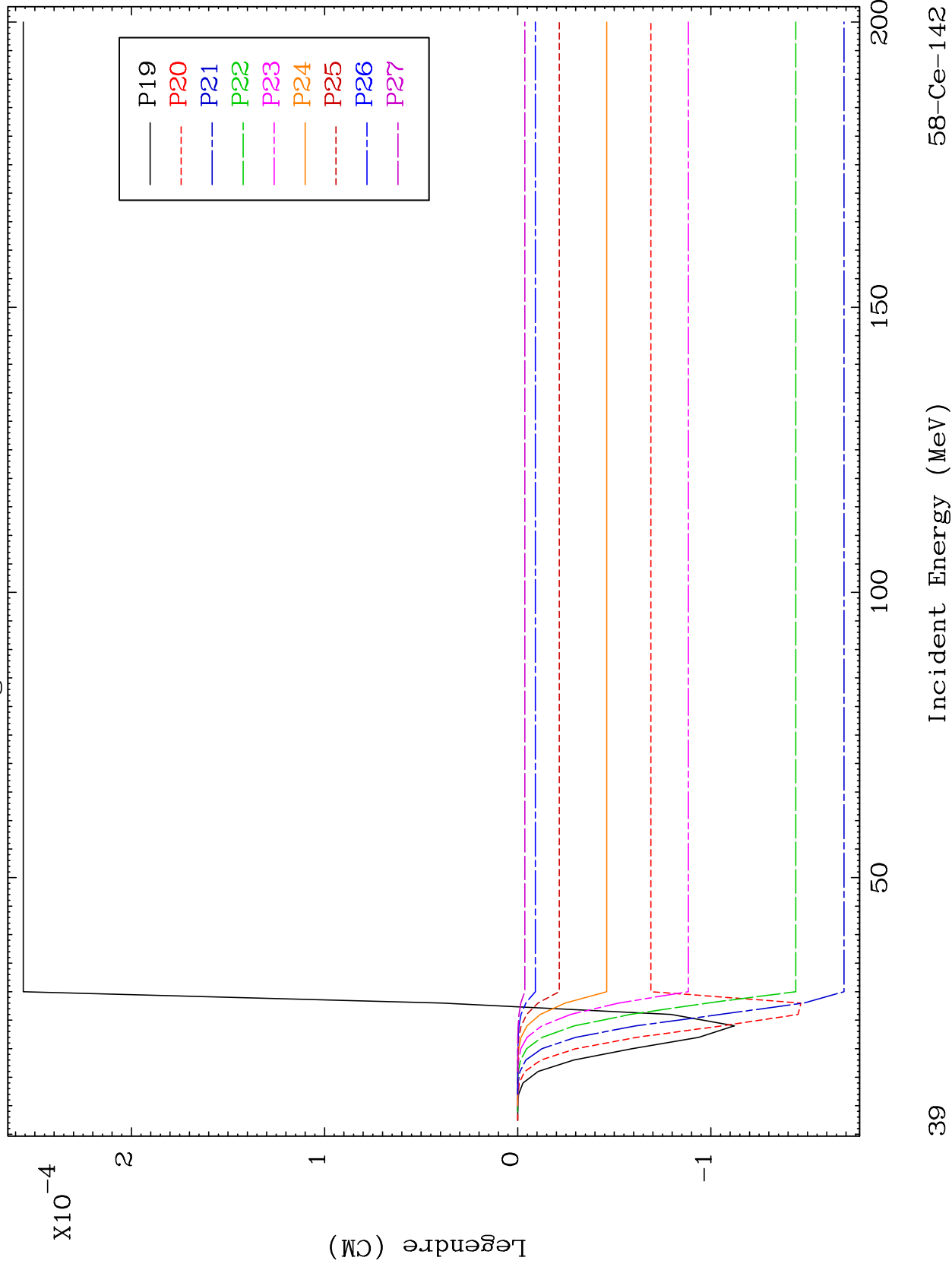
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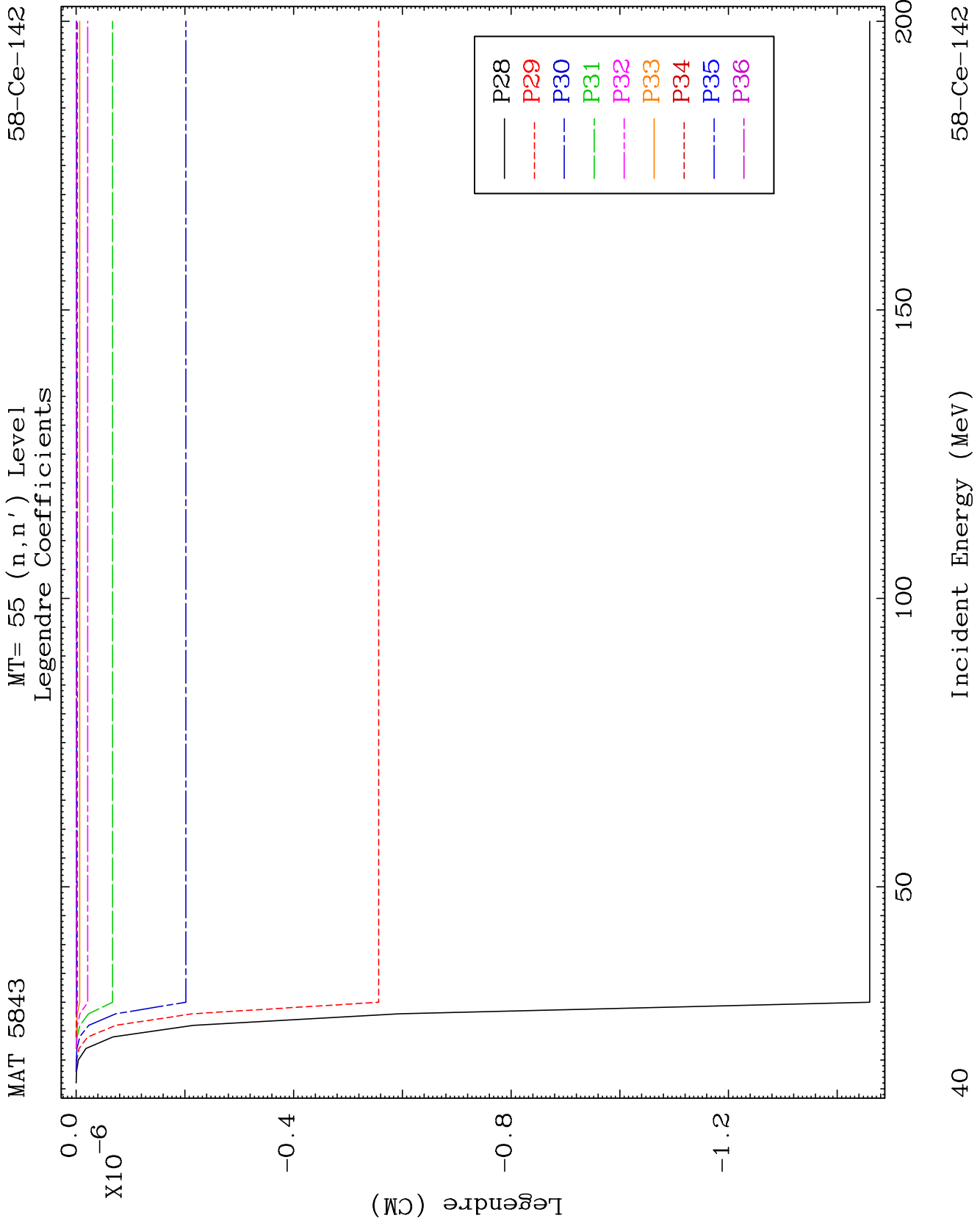


38

Incident Energy (MeV)

58-Ce-142

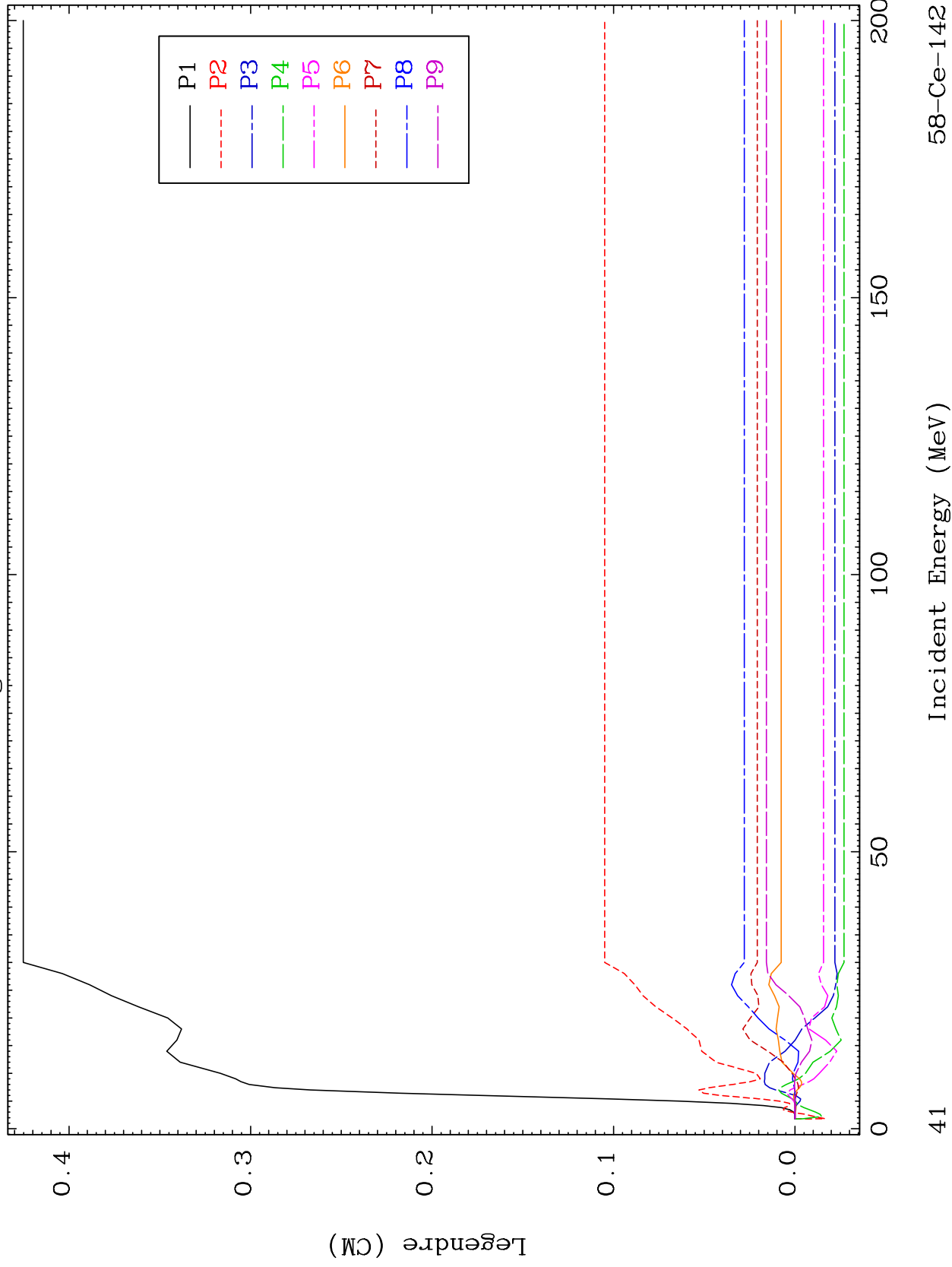




MAT 5843

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

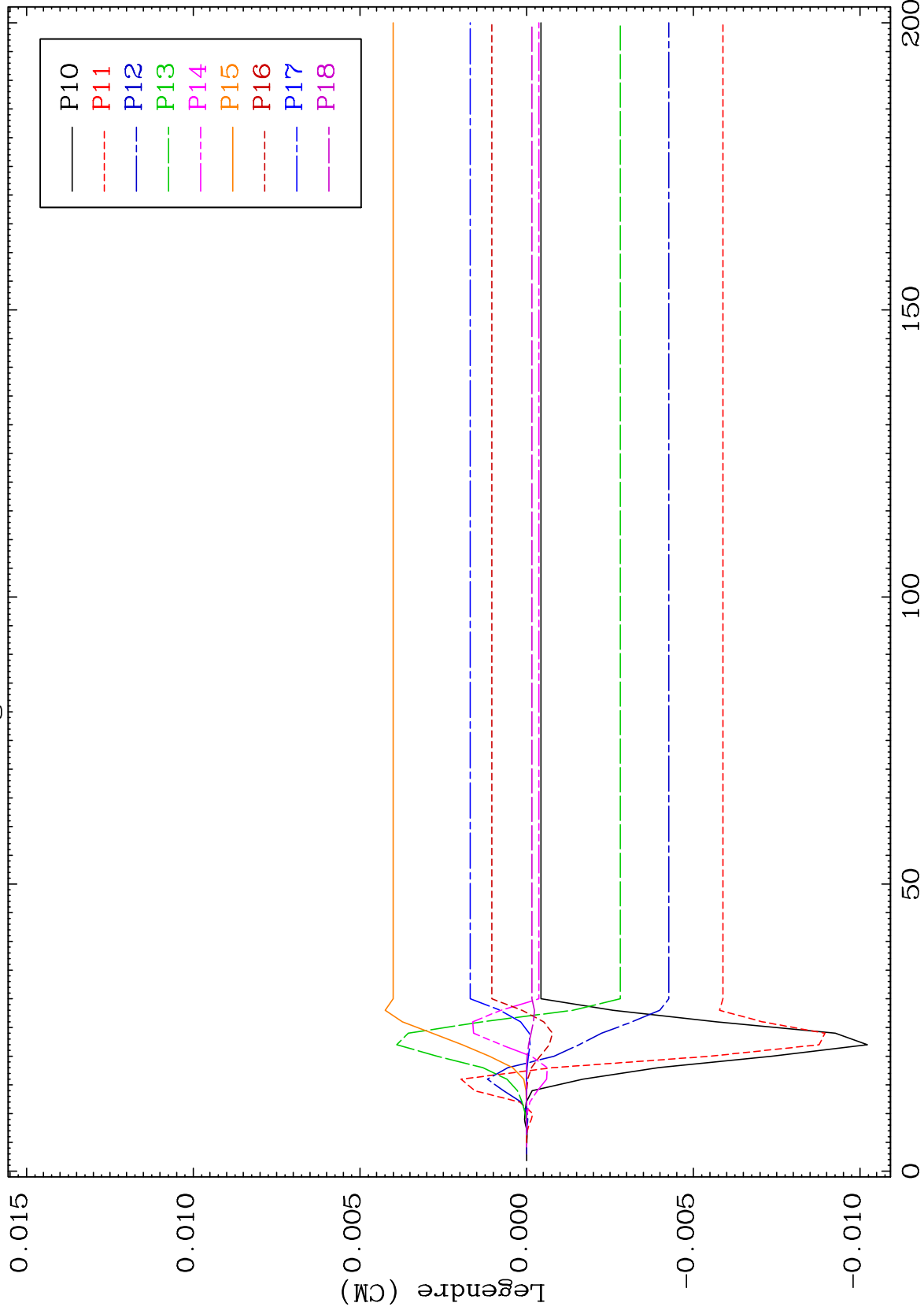
58-Ce-142



MAT 5843

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

58-Ce-142



42

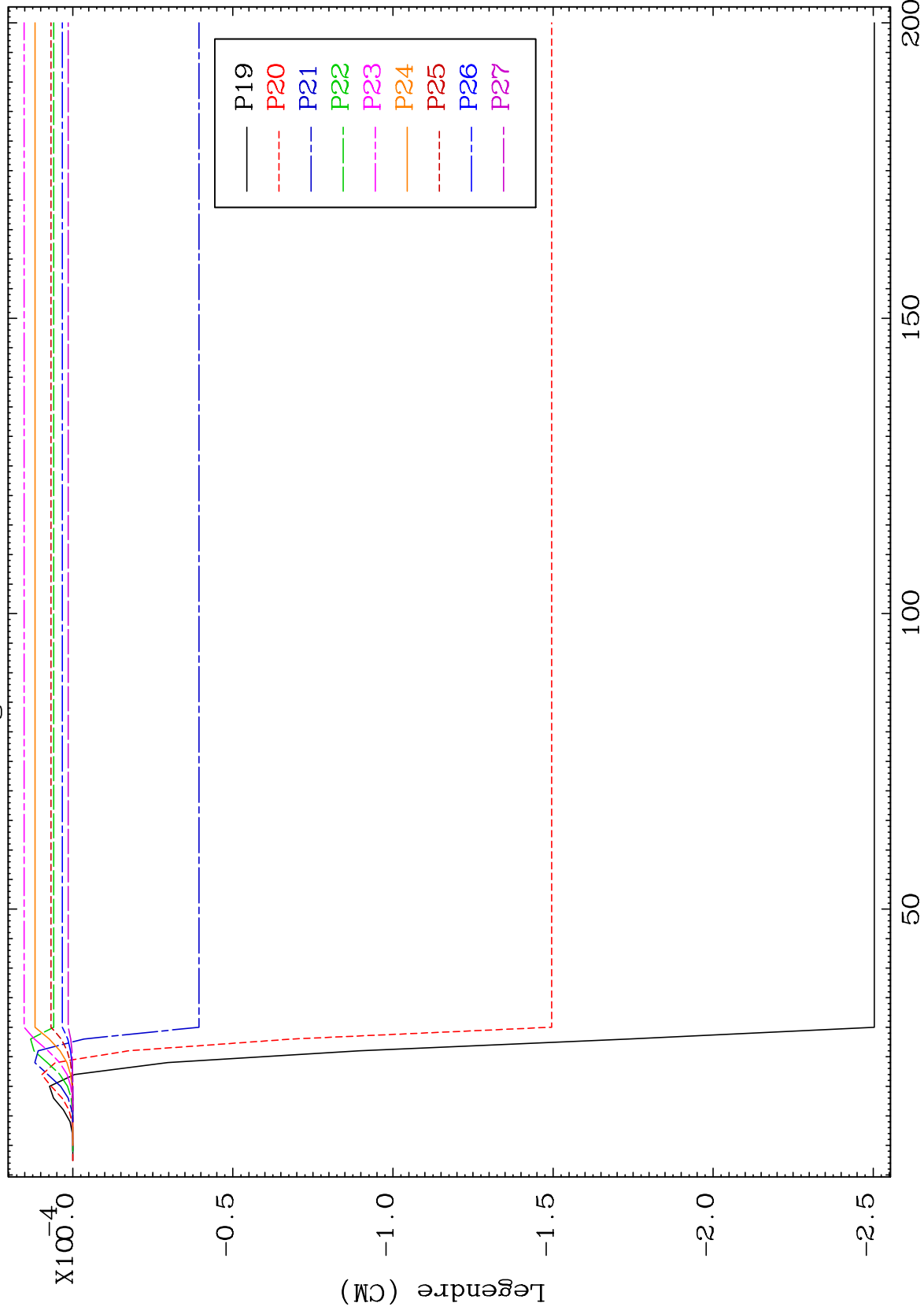
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

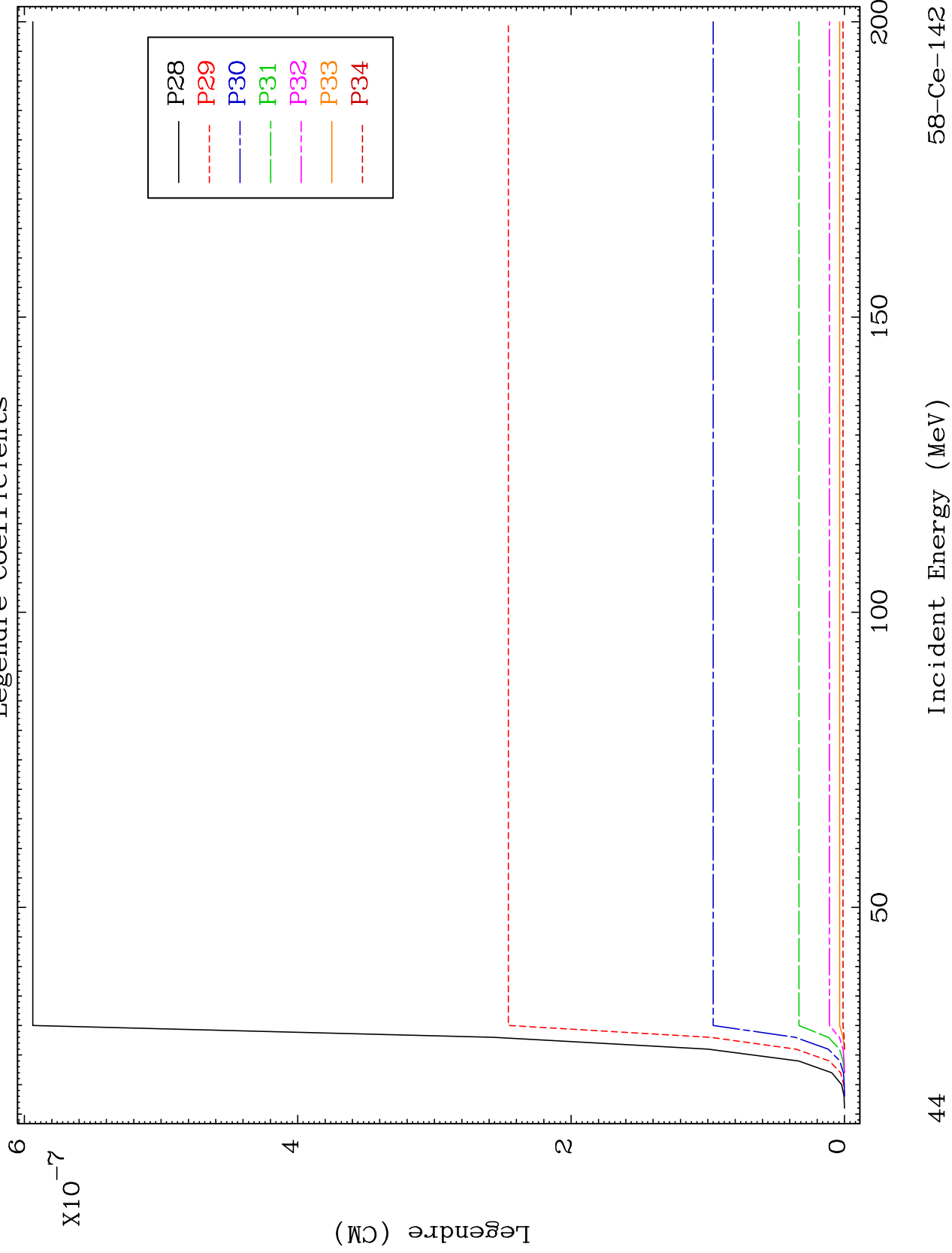
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MAT 5843

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

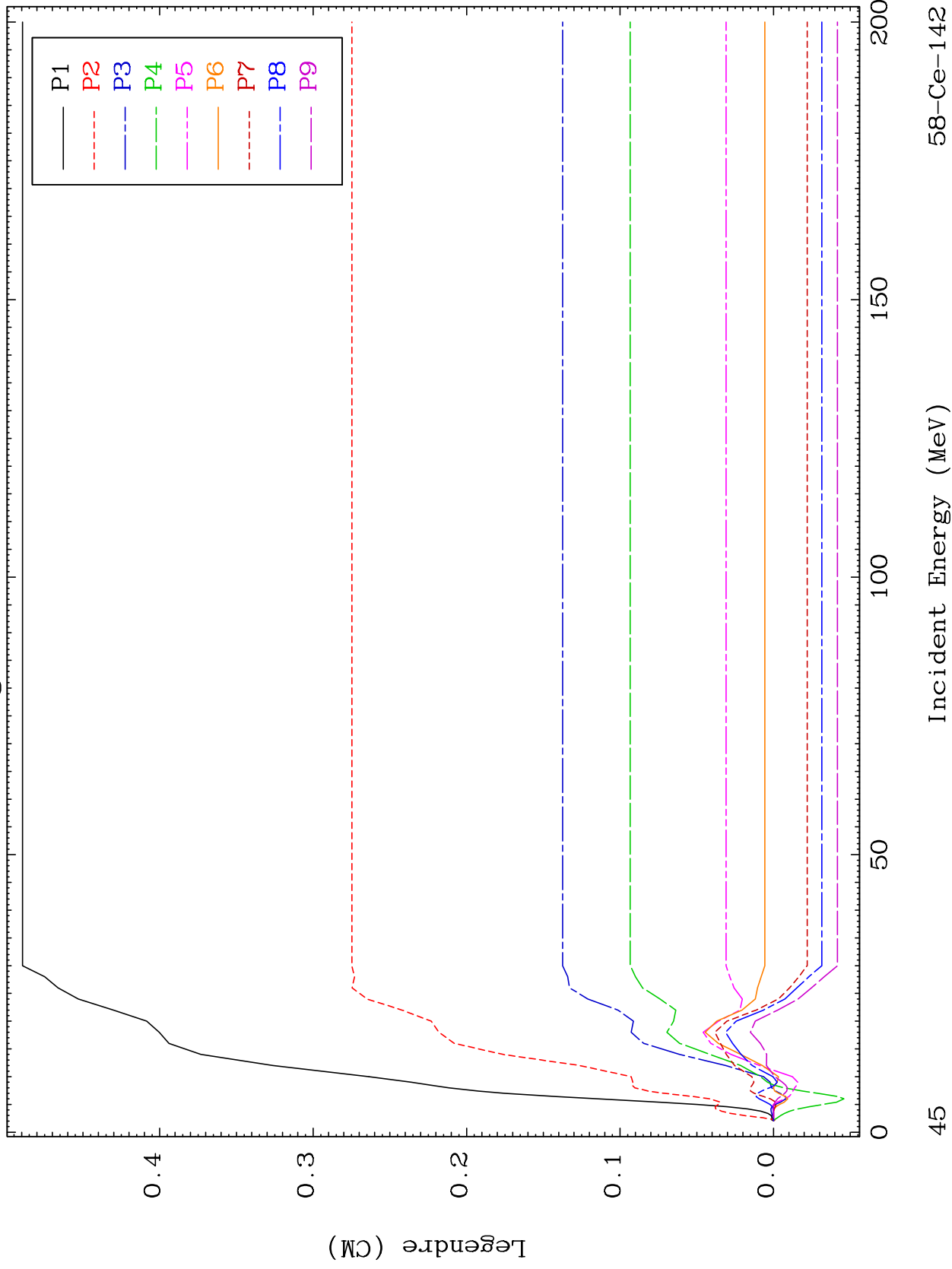
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MAT 5843

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

58-Ce-142



58-Ce-142

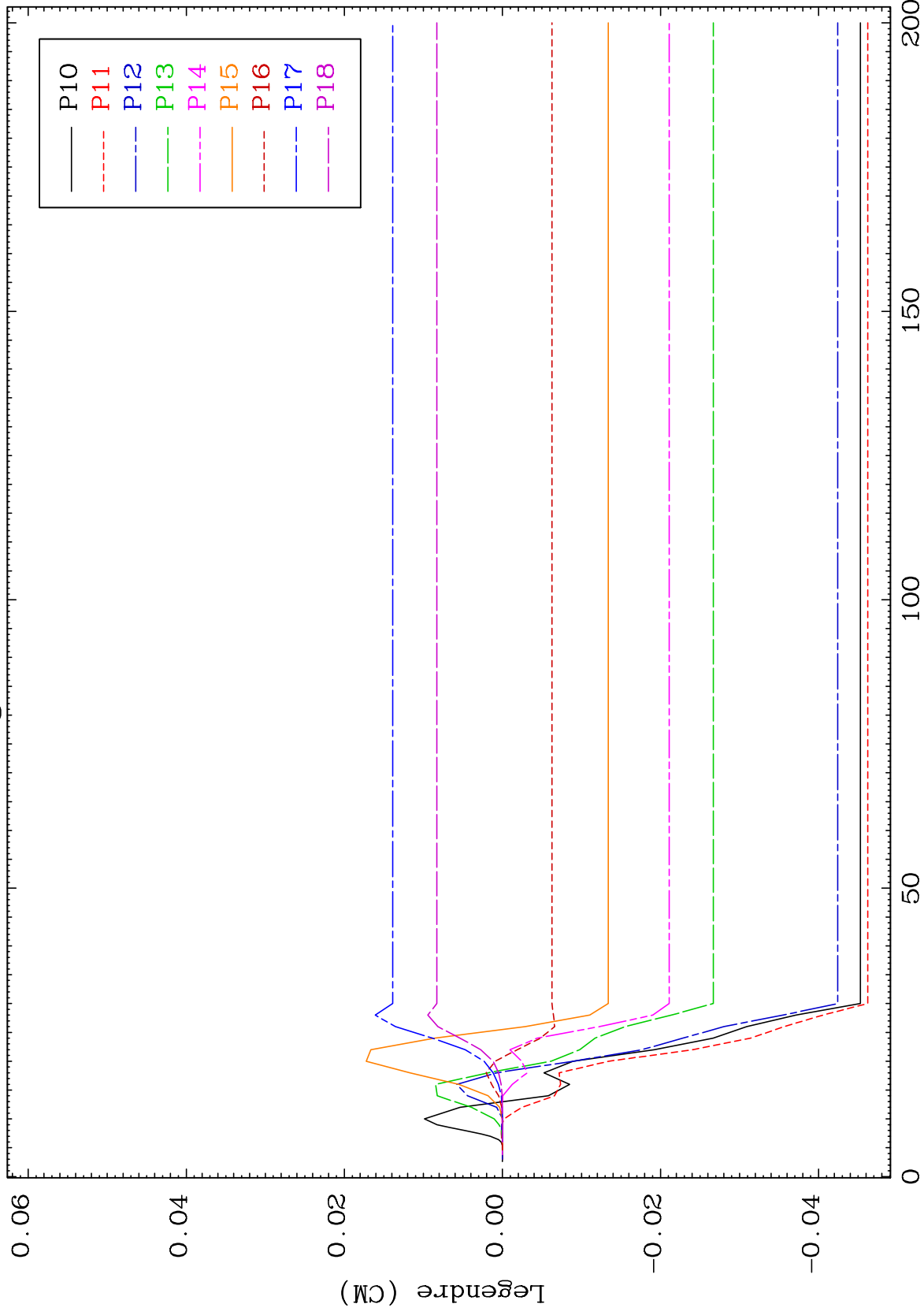
Incident Energy (MeV)

45

MAT 5843

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

58-Ce-142



46

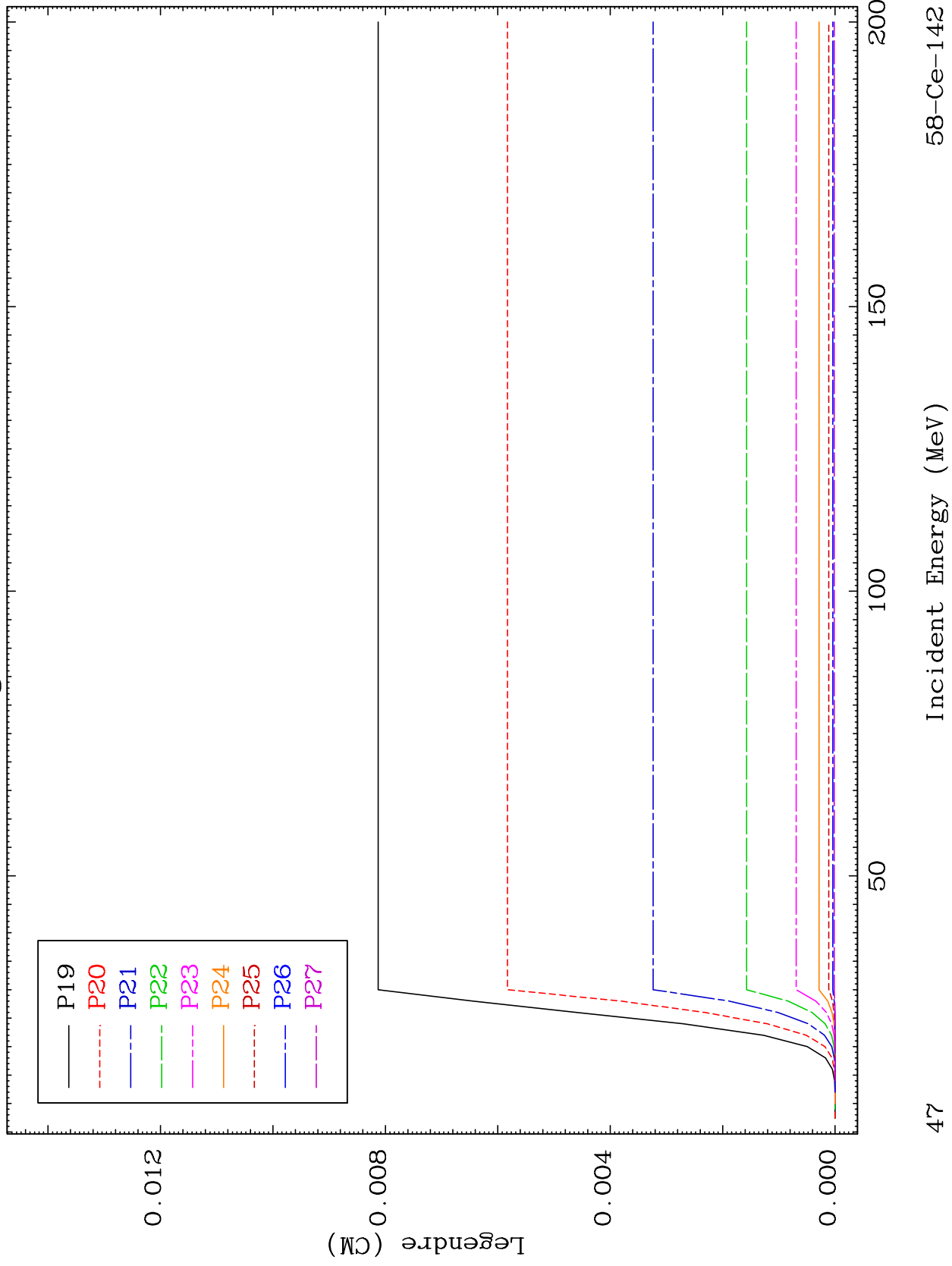
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



47

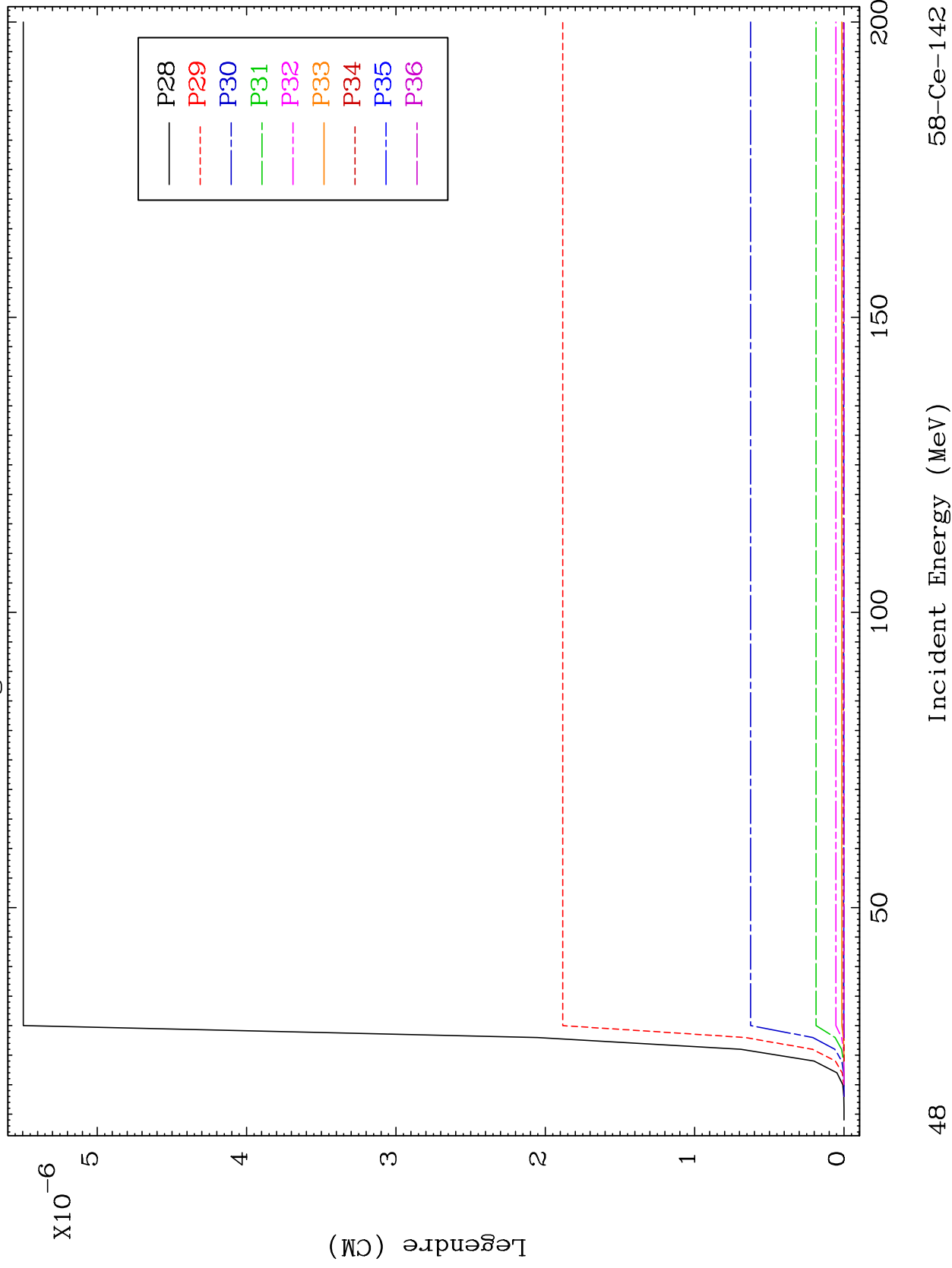
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



48

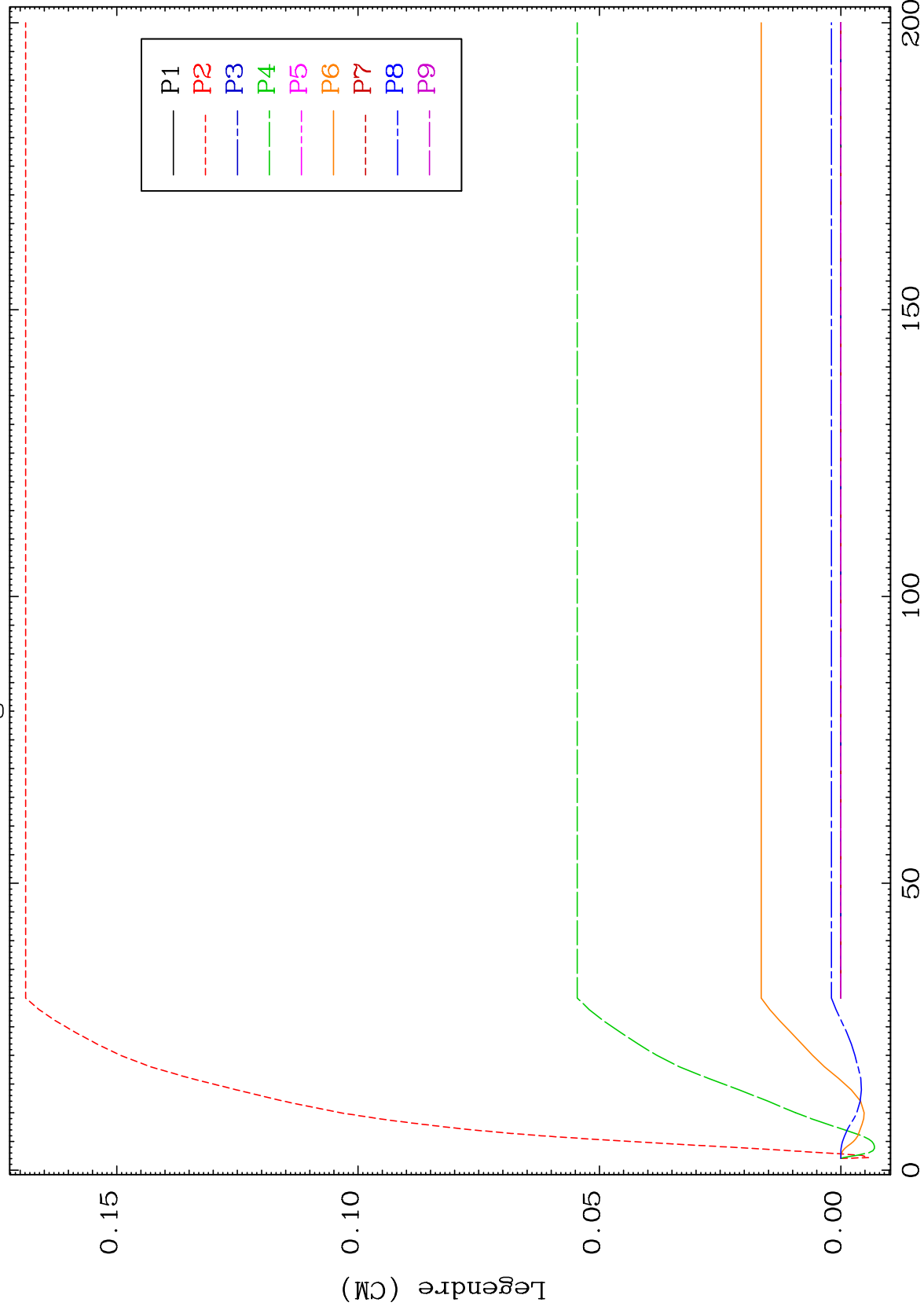
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



49

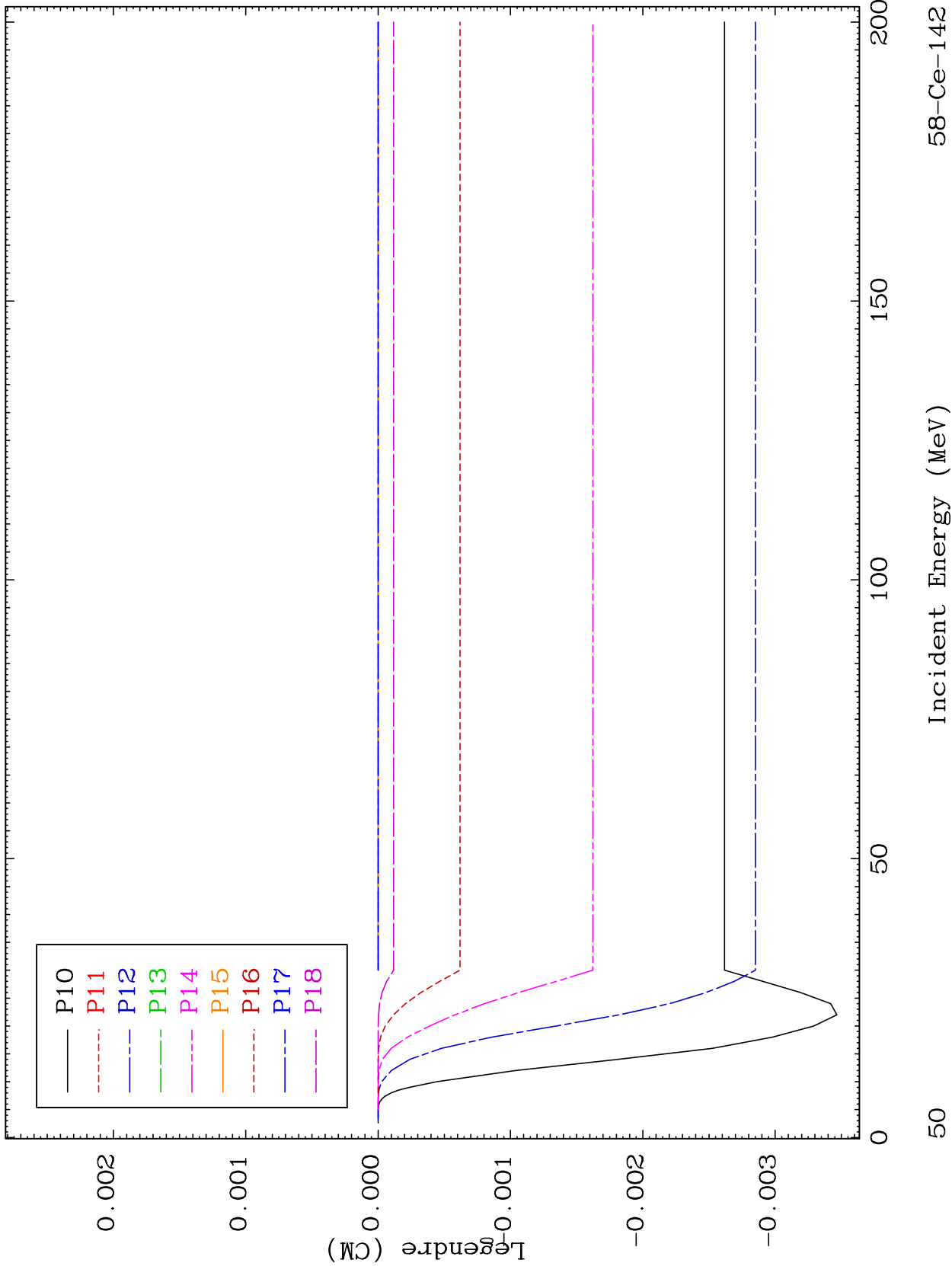
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

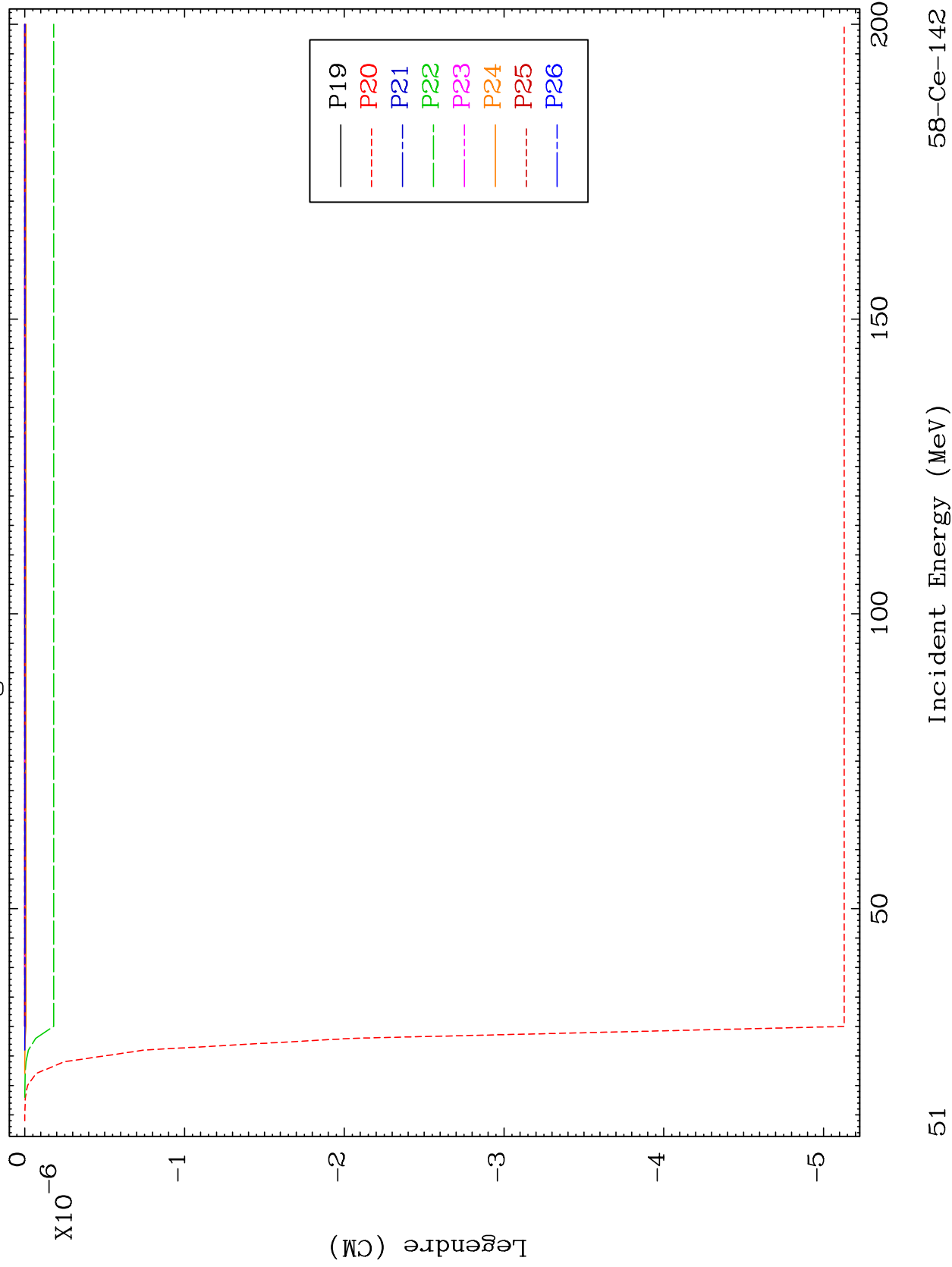
Incident Energy (MeV)

50

MAT 5843

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

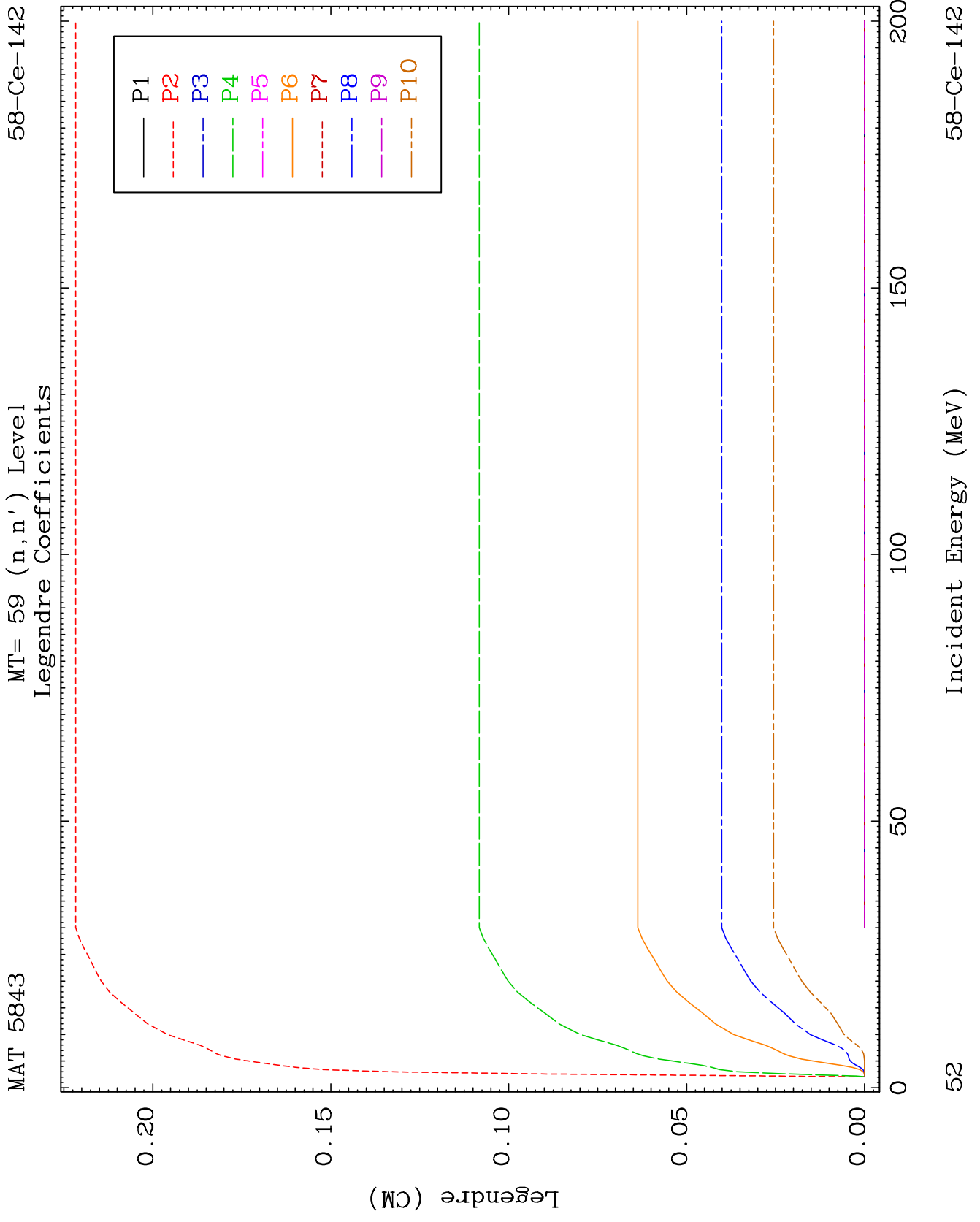
58-Ce-142



51

Incident Energy (MeV)

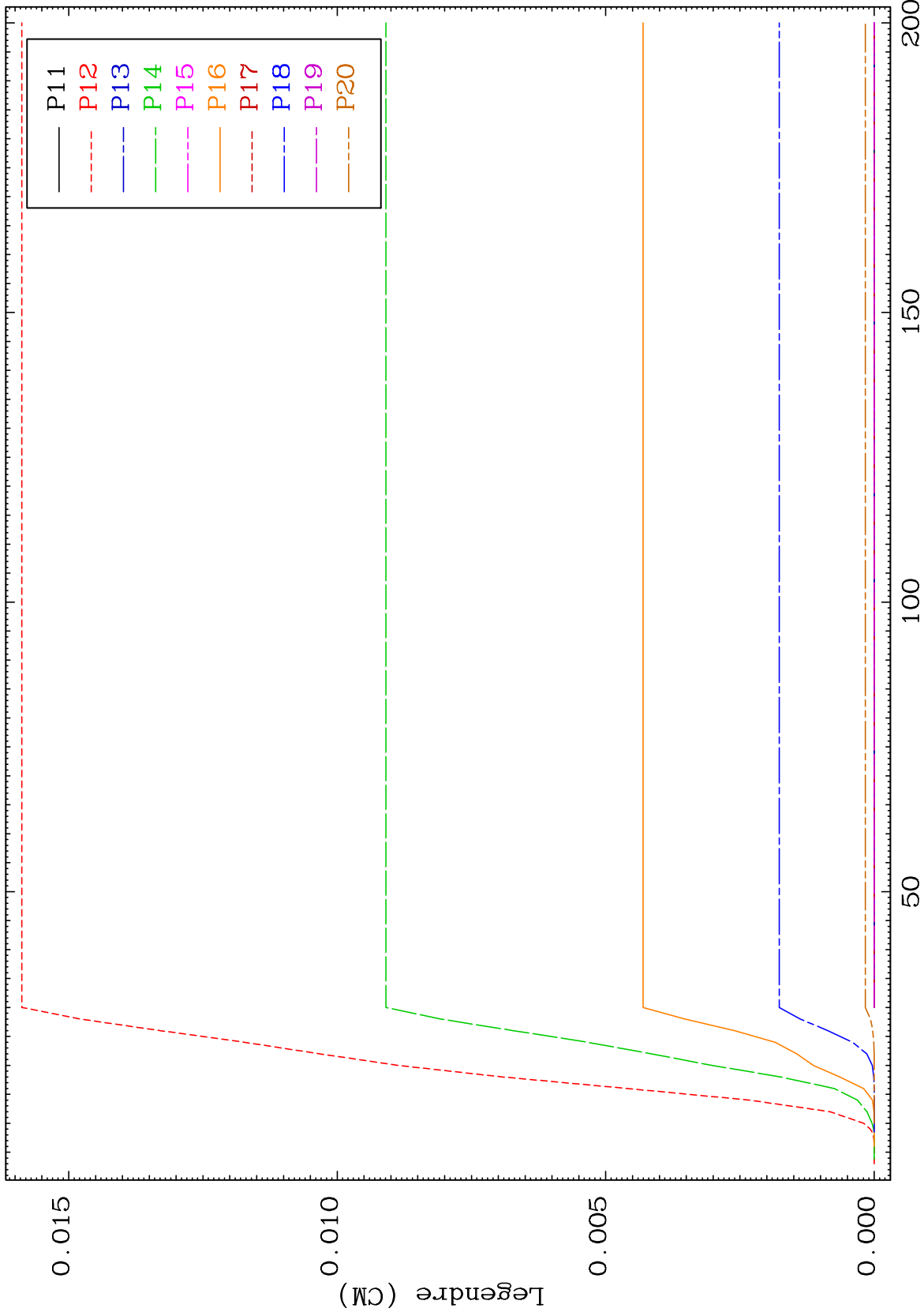
58-Ce-142



MAT 5843

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

58-Ce-142



53

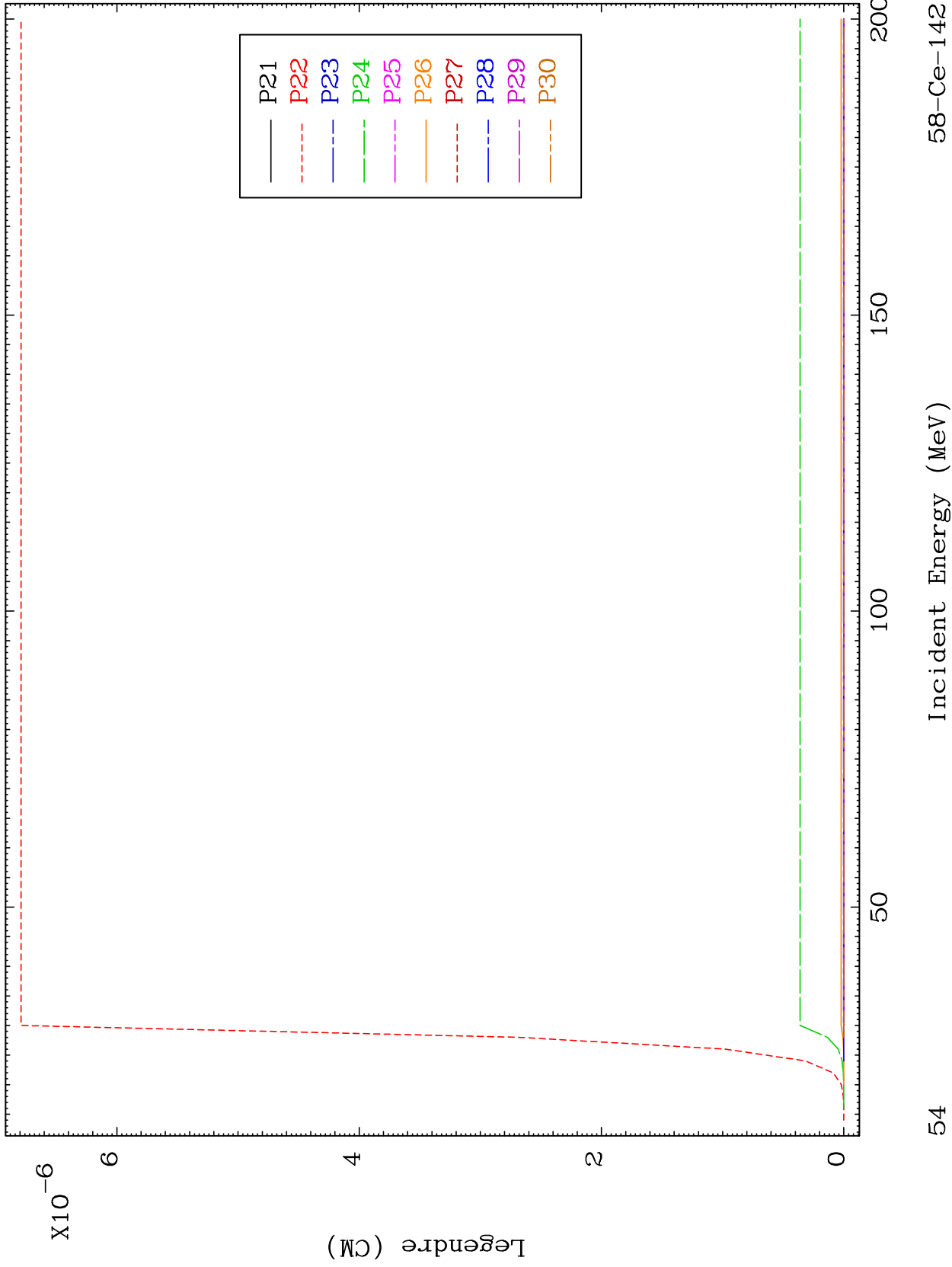
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



54

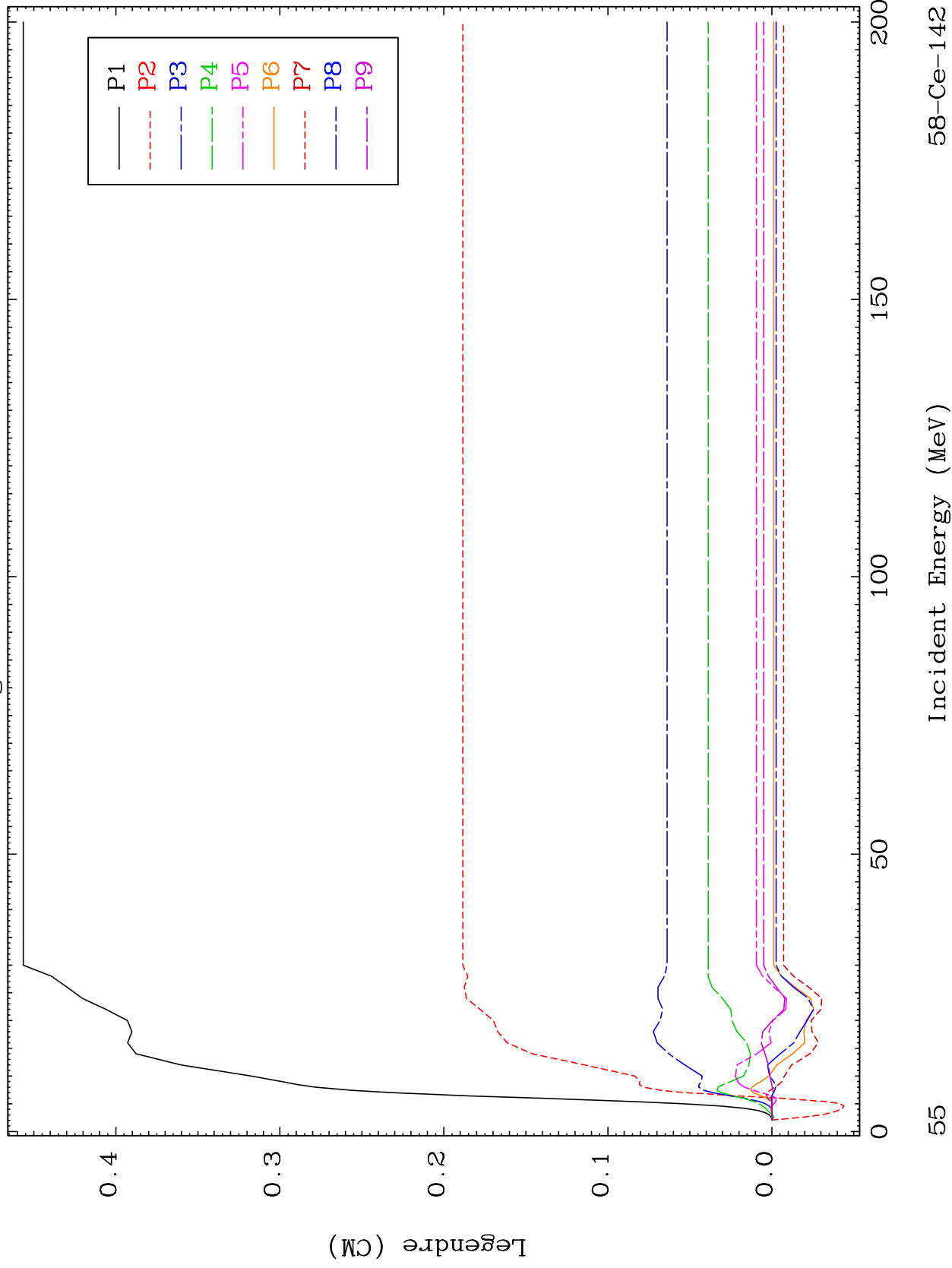
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

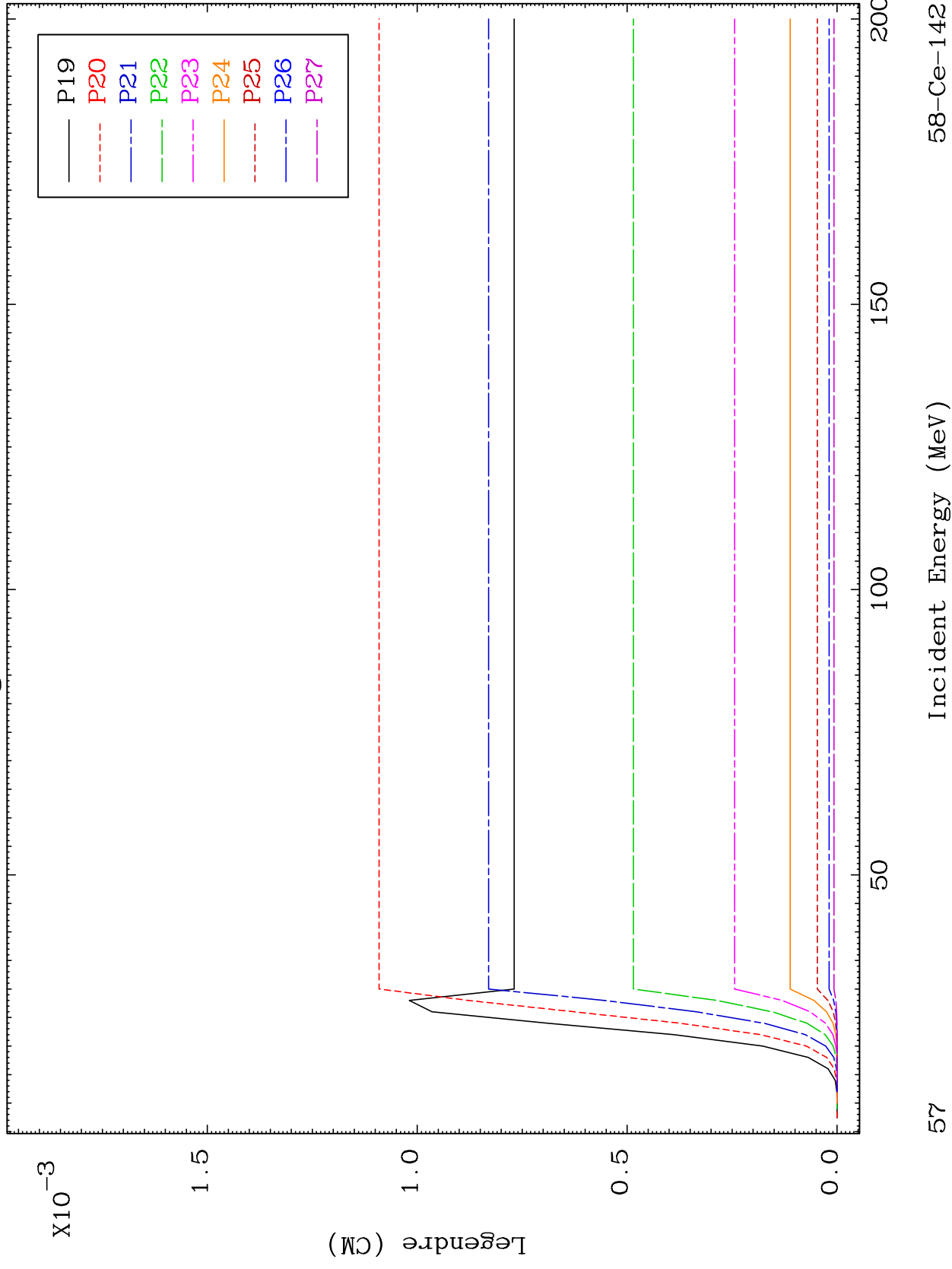
Incident Energy (MeV)

55

MAT 5843

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

58-Ce-142



57

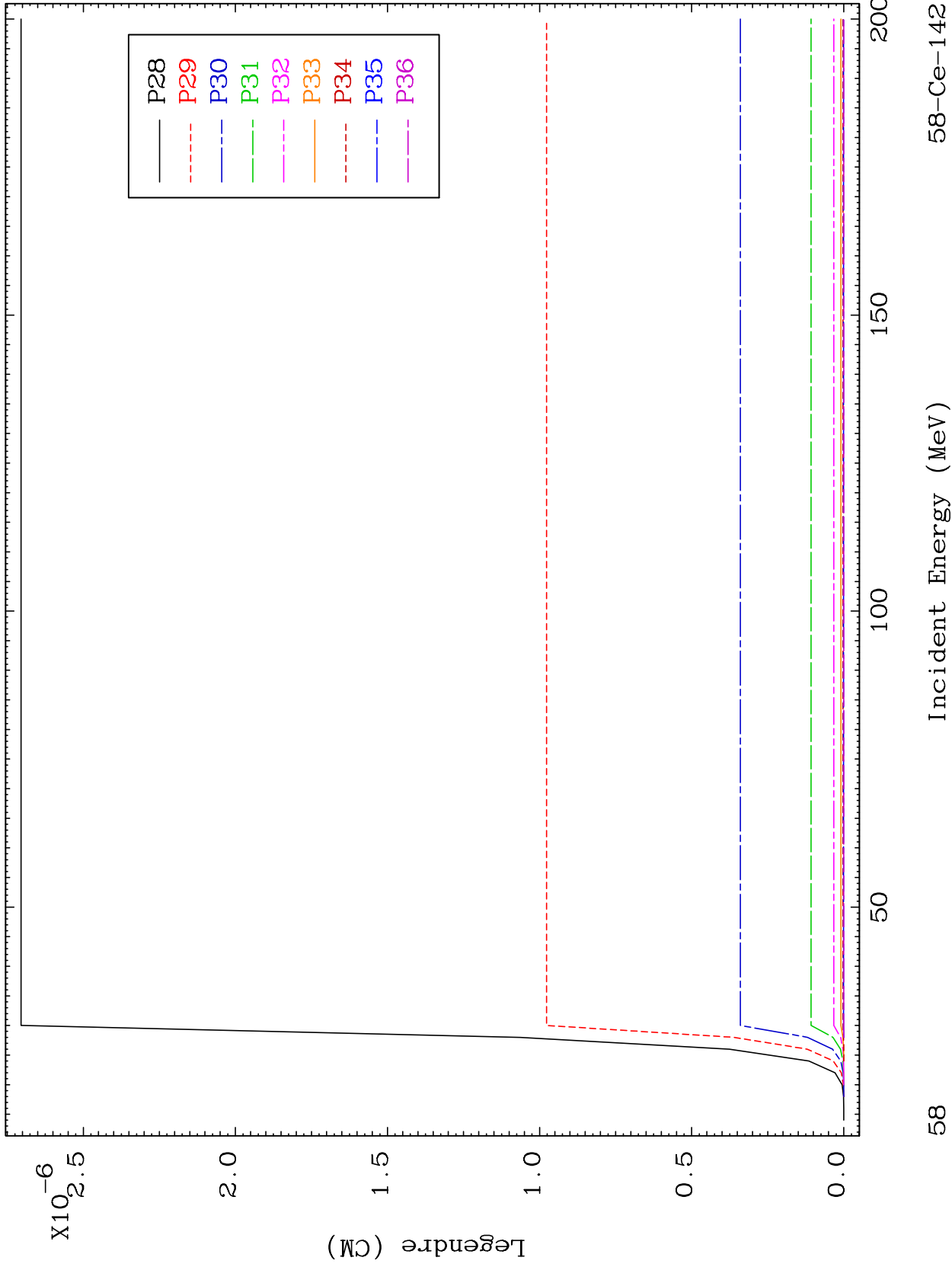
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58

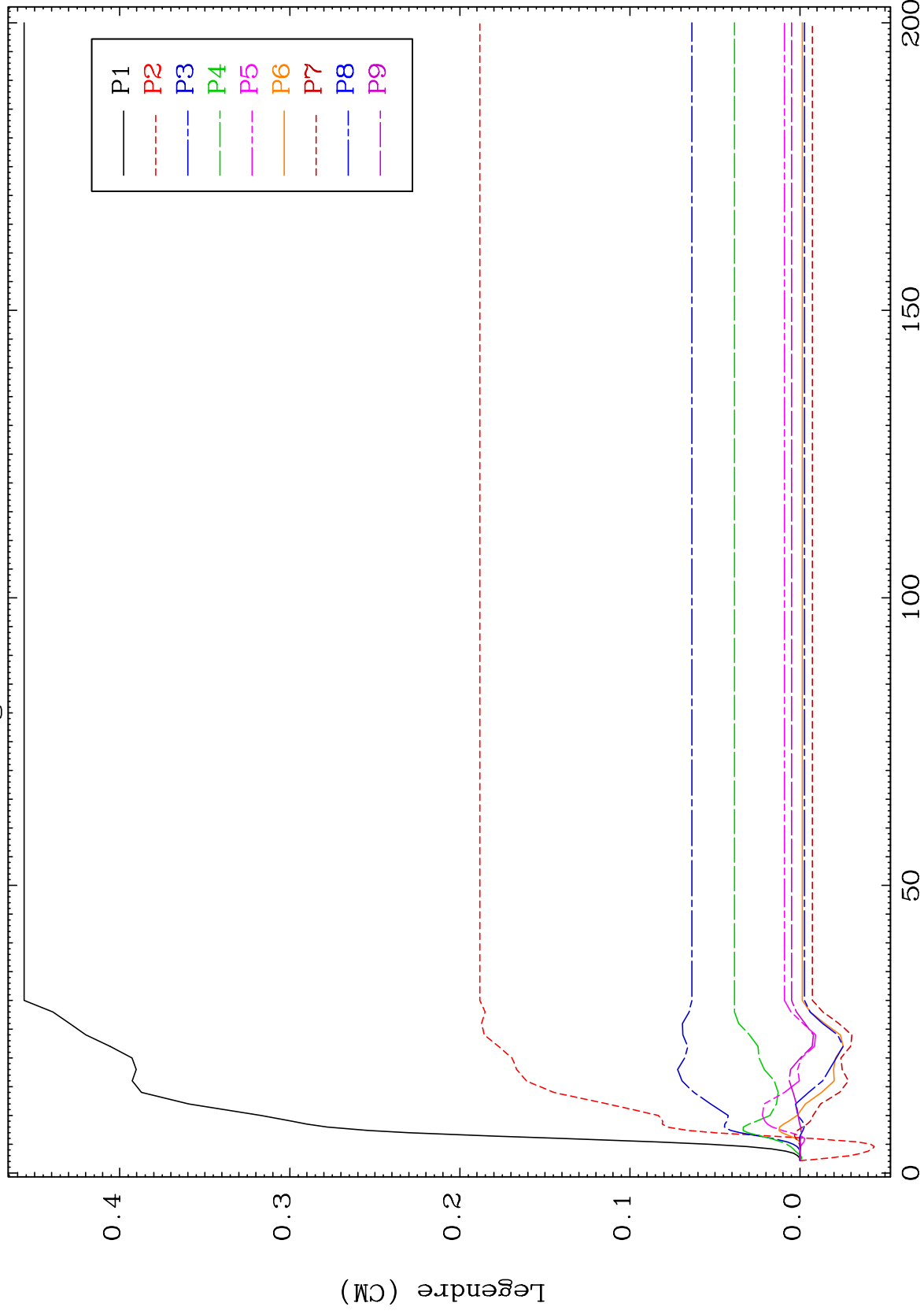
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



59

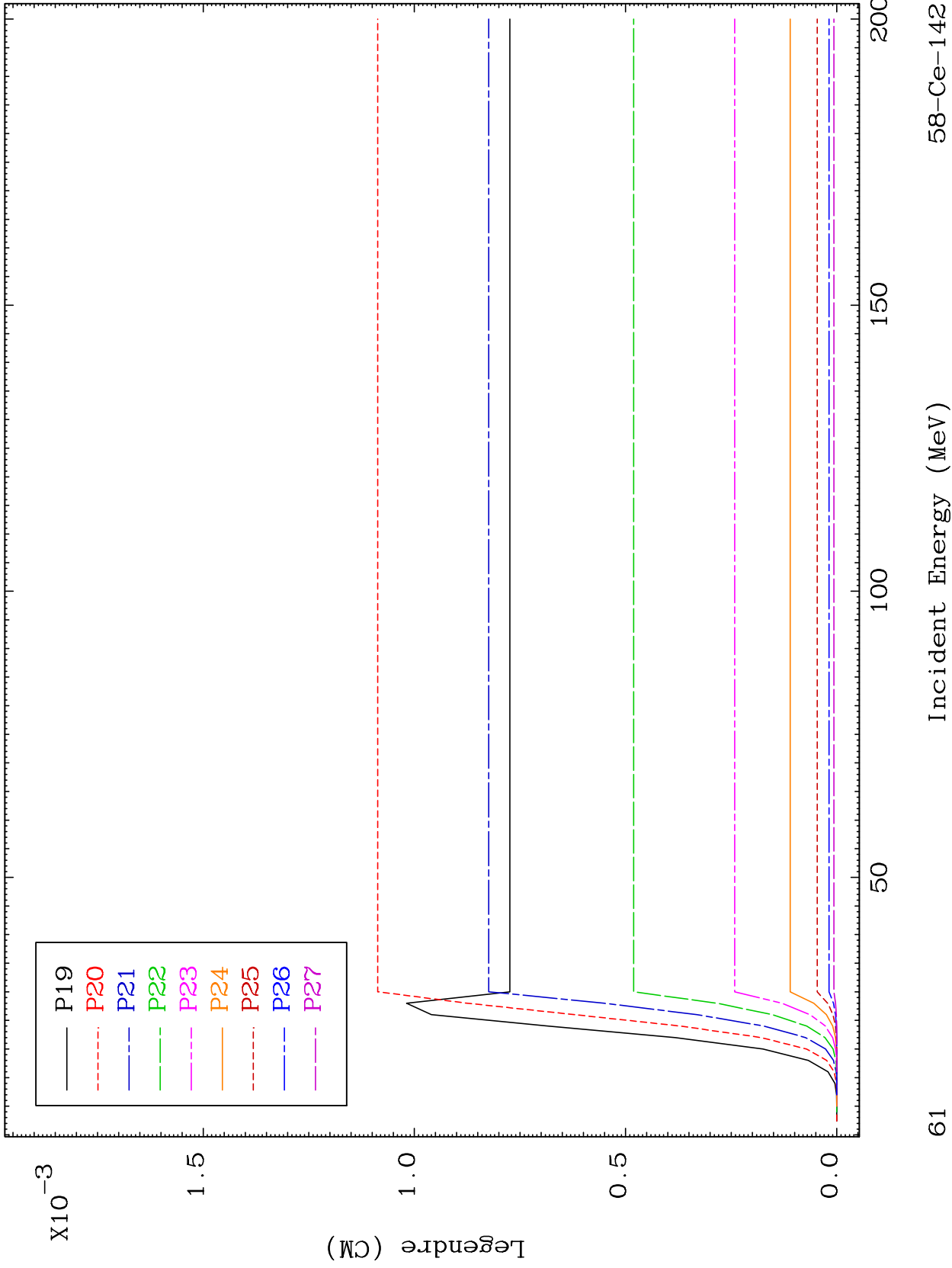
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

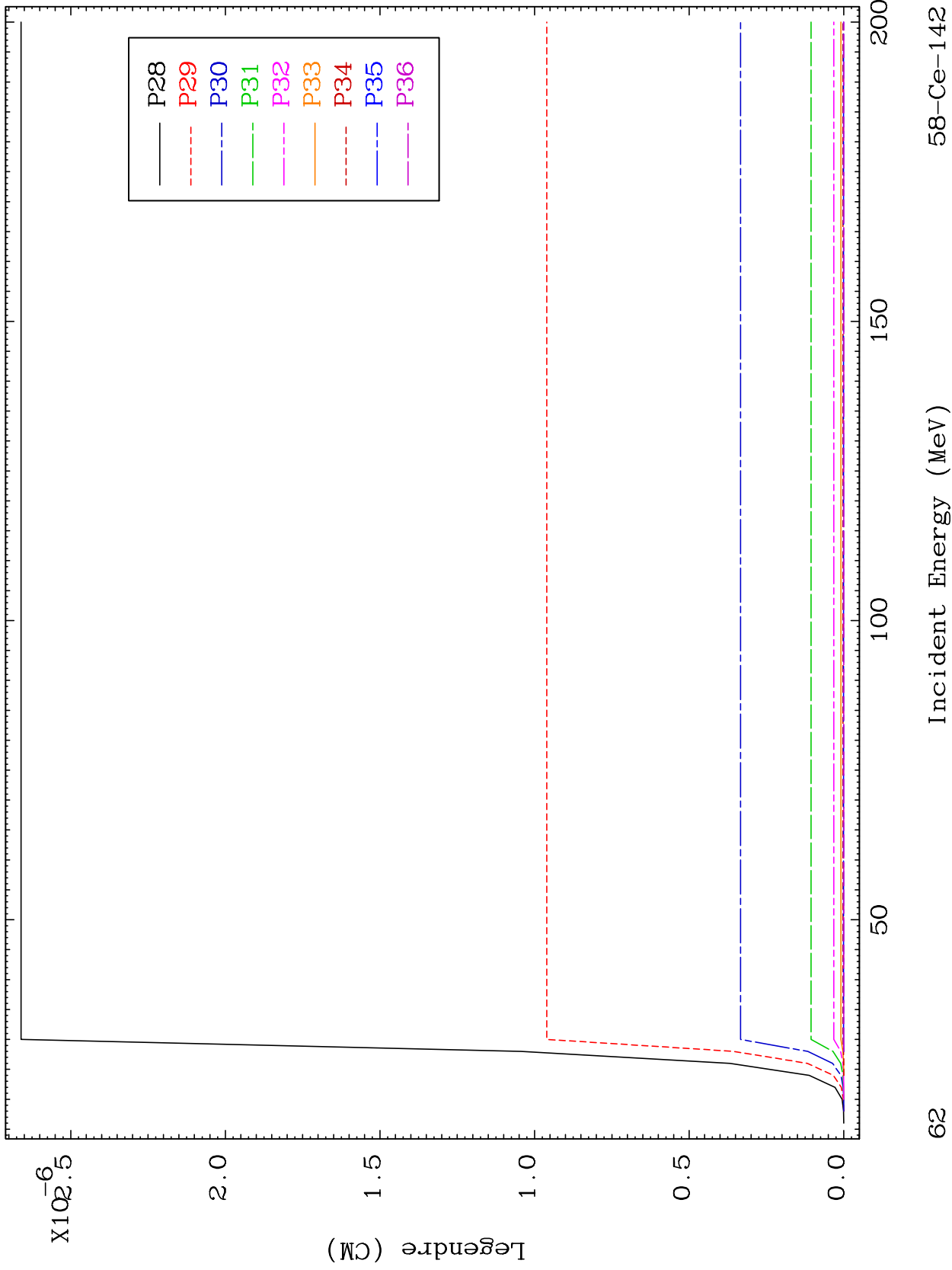
58-Ce-142



MAT 5843

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

58-Ce-142



62

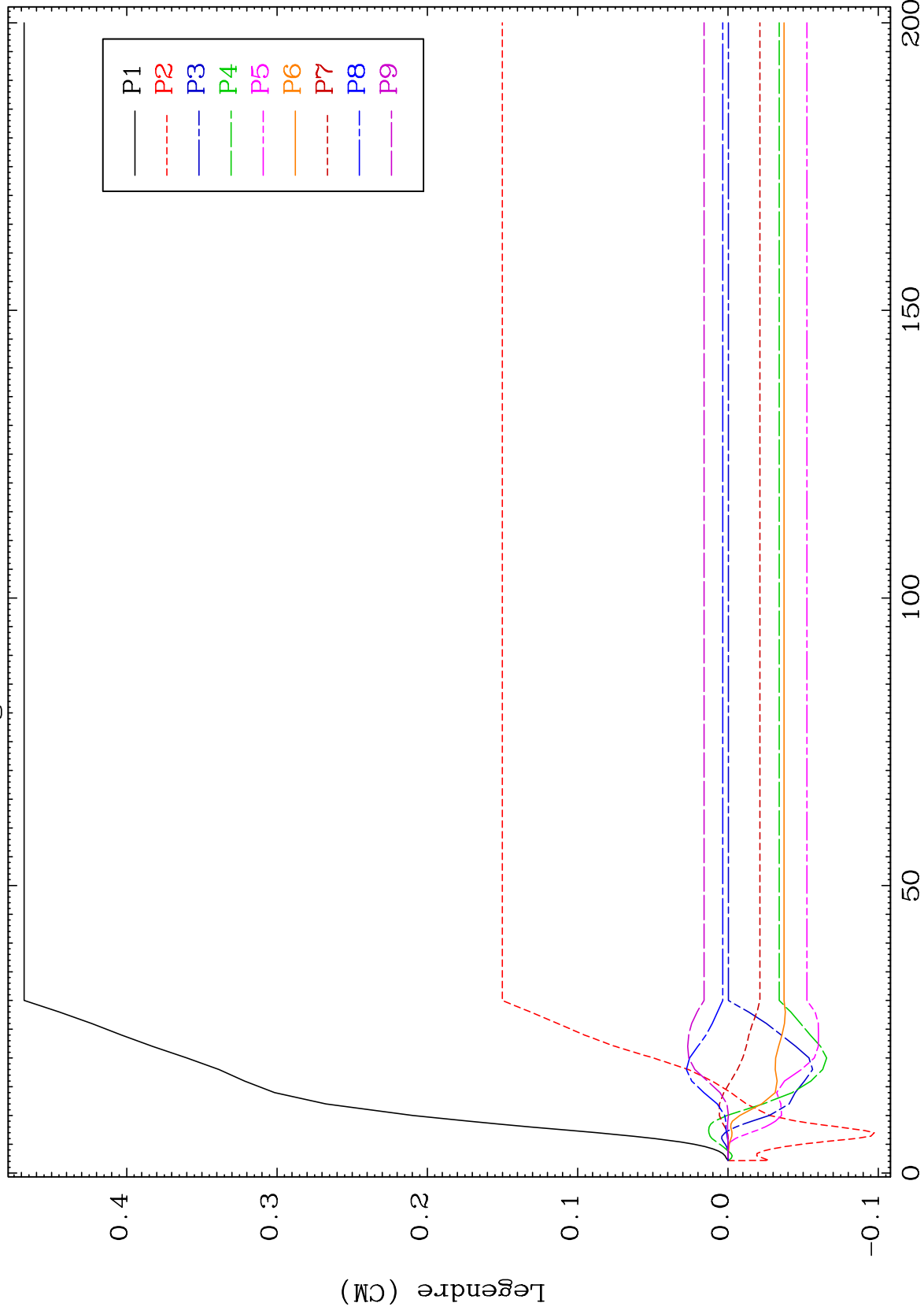
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

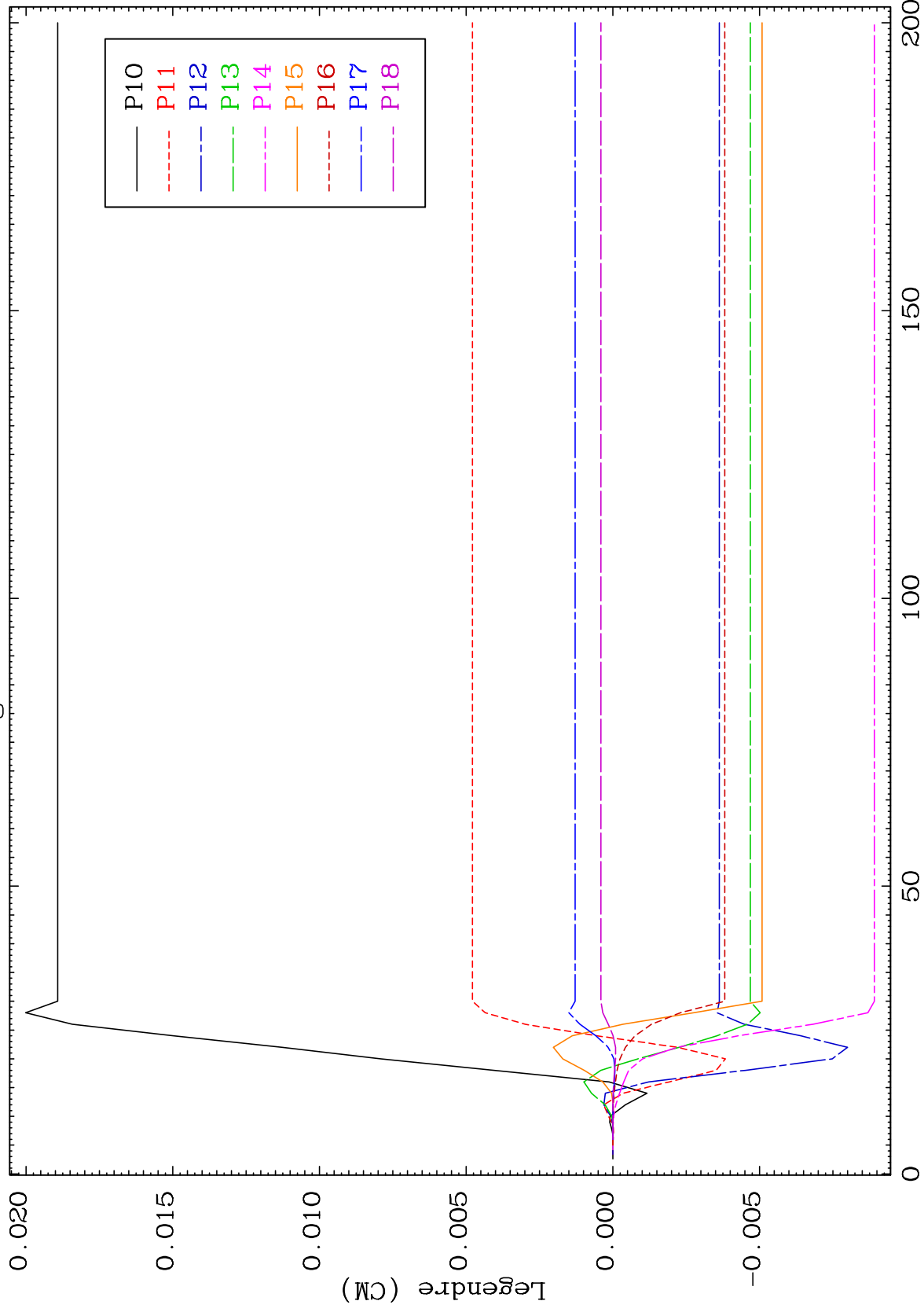
Incident Energy (MeV)

63

MAT 5843

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

58-Ce-142



64

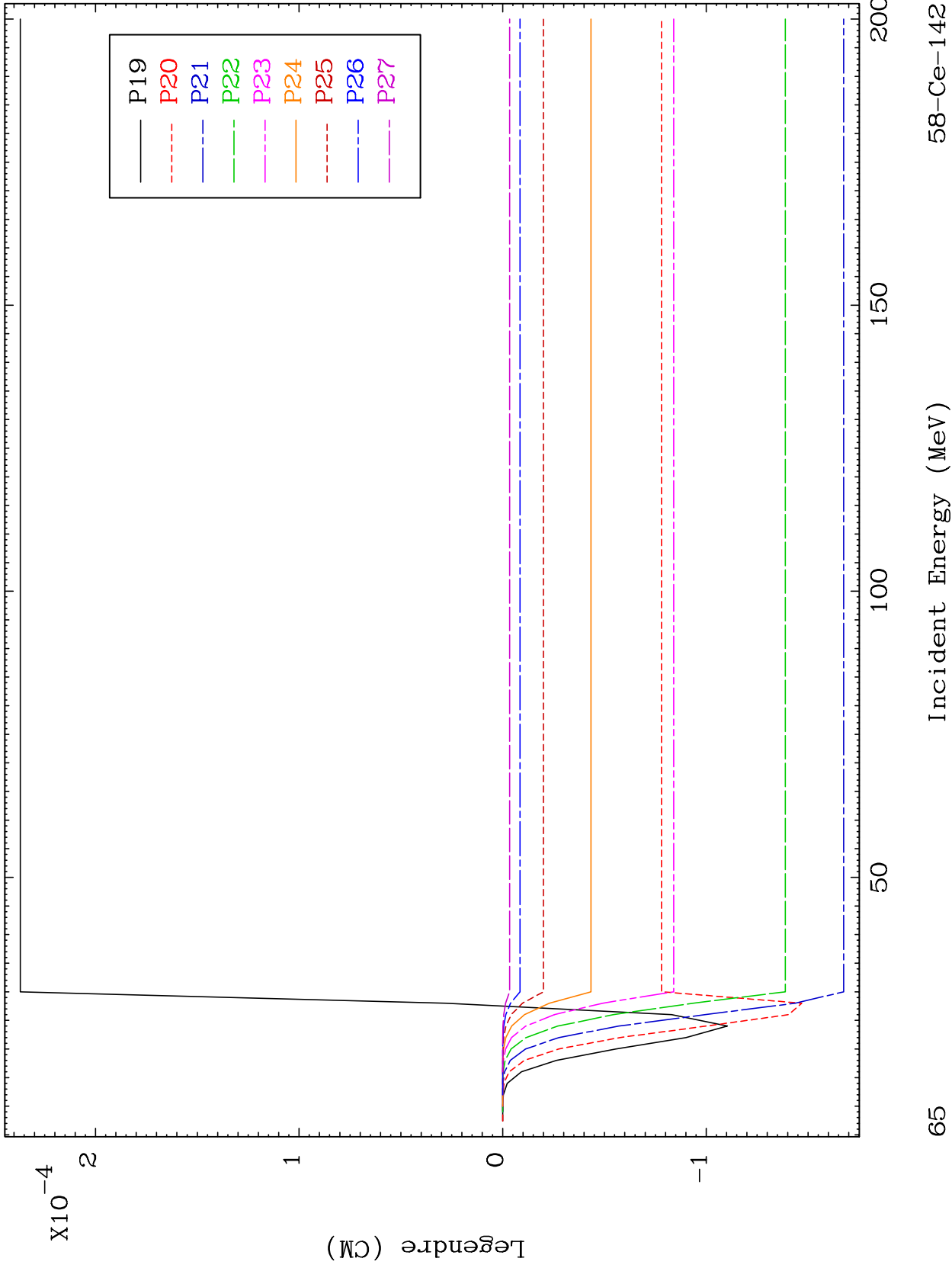
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



65

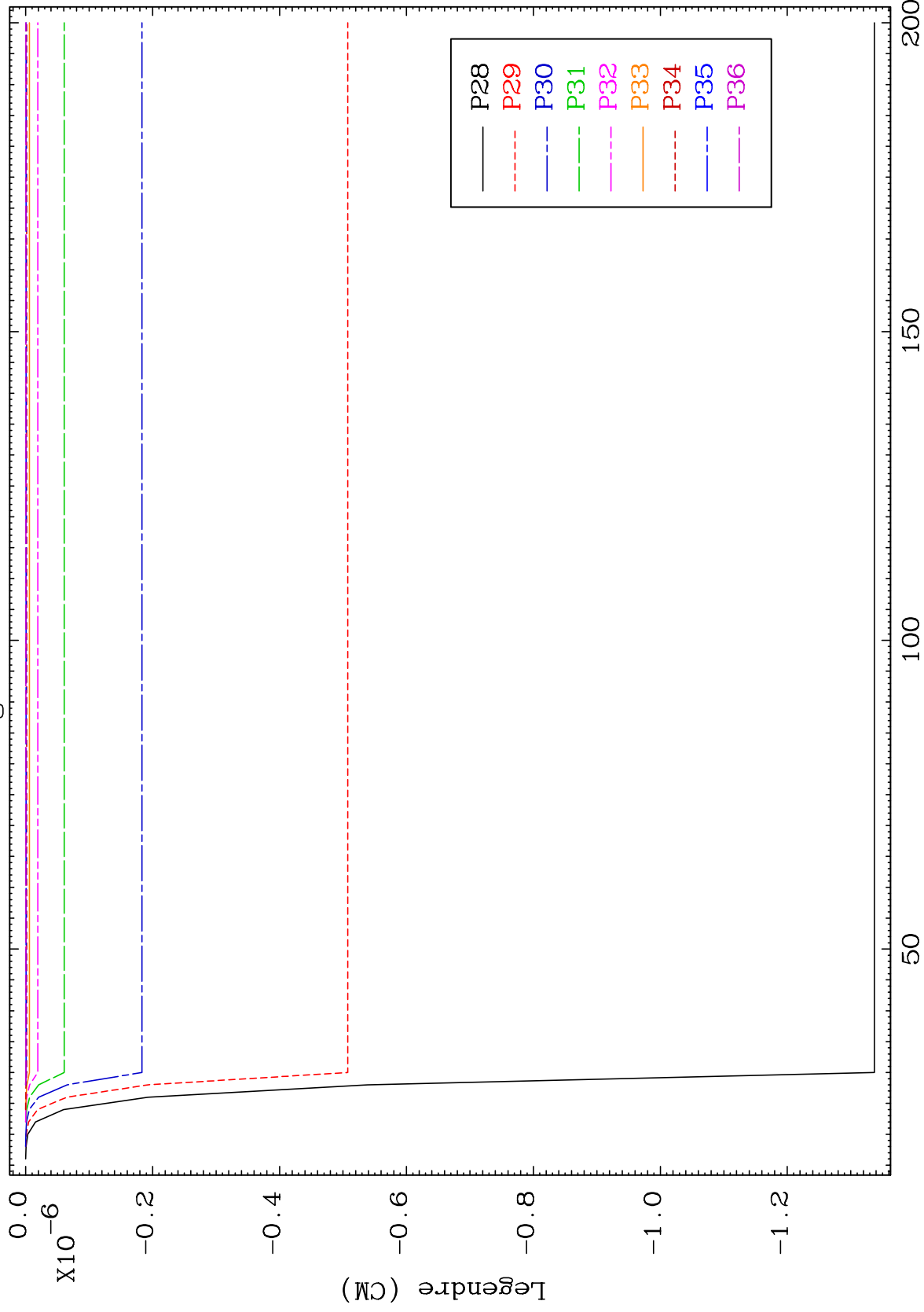
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



66

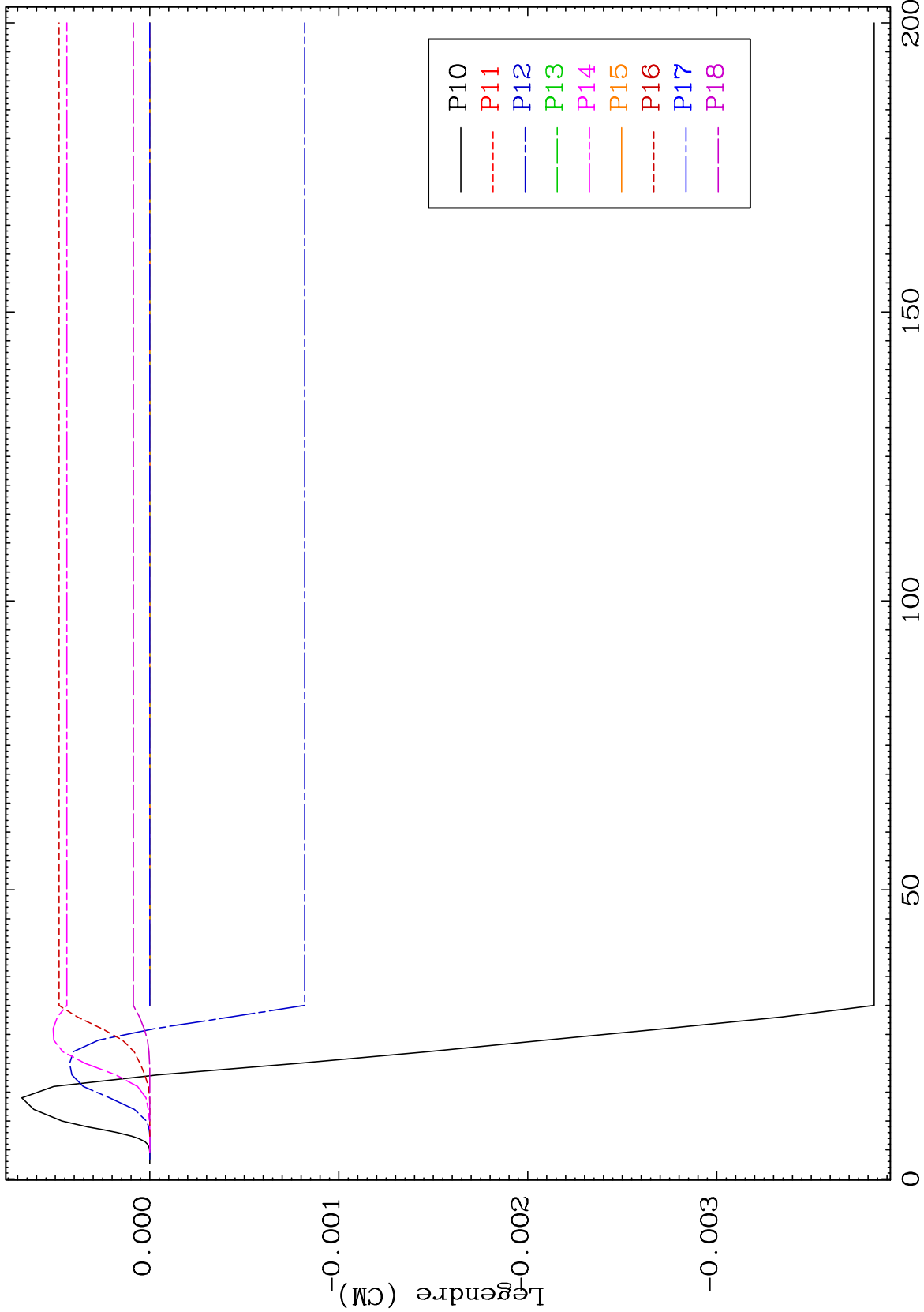
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



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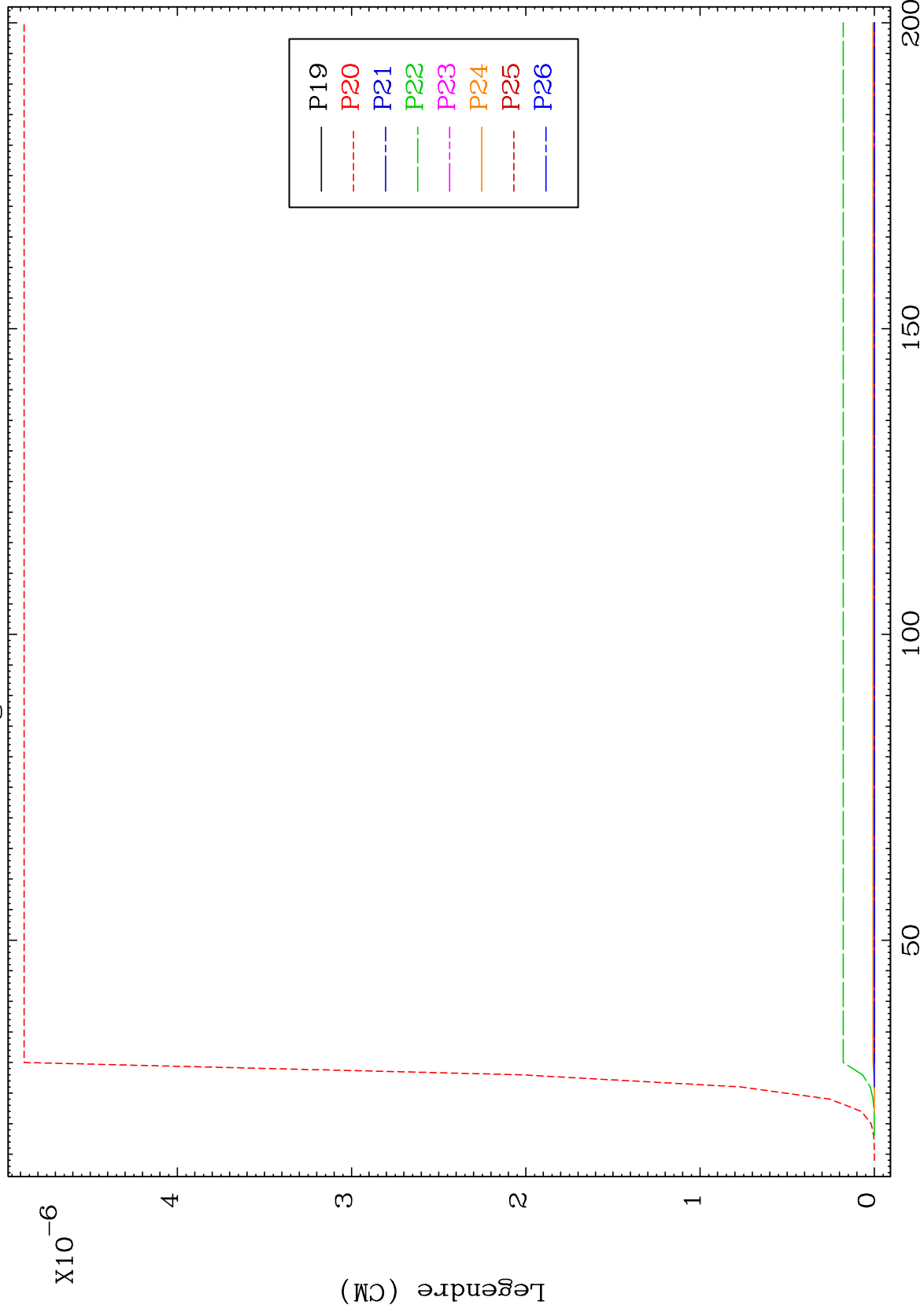
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



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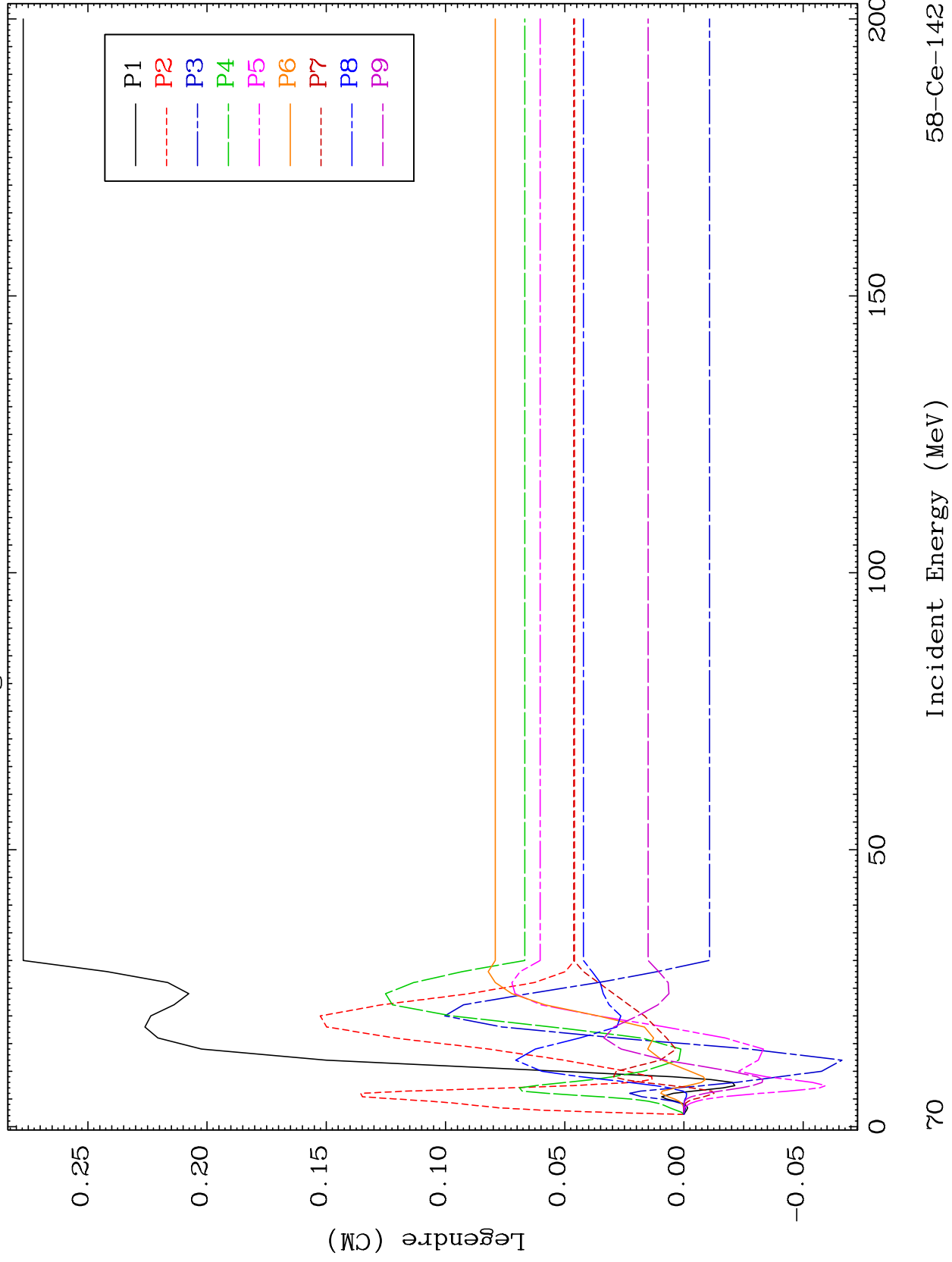
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142

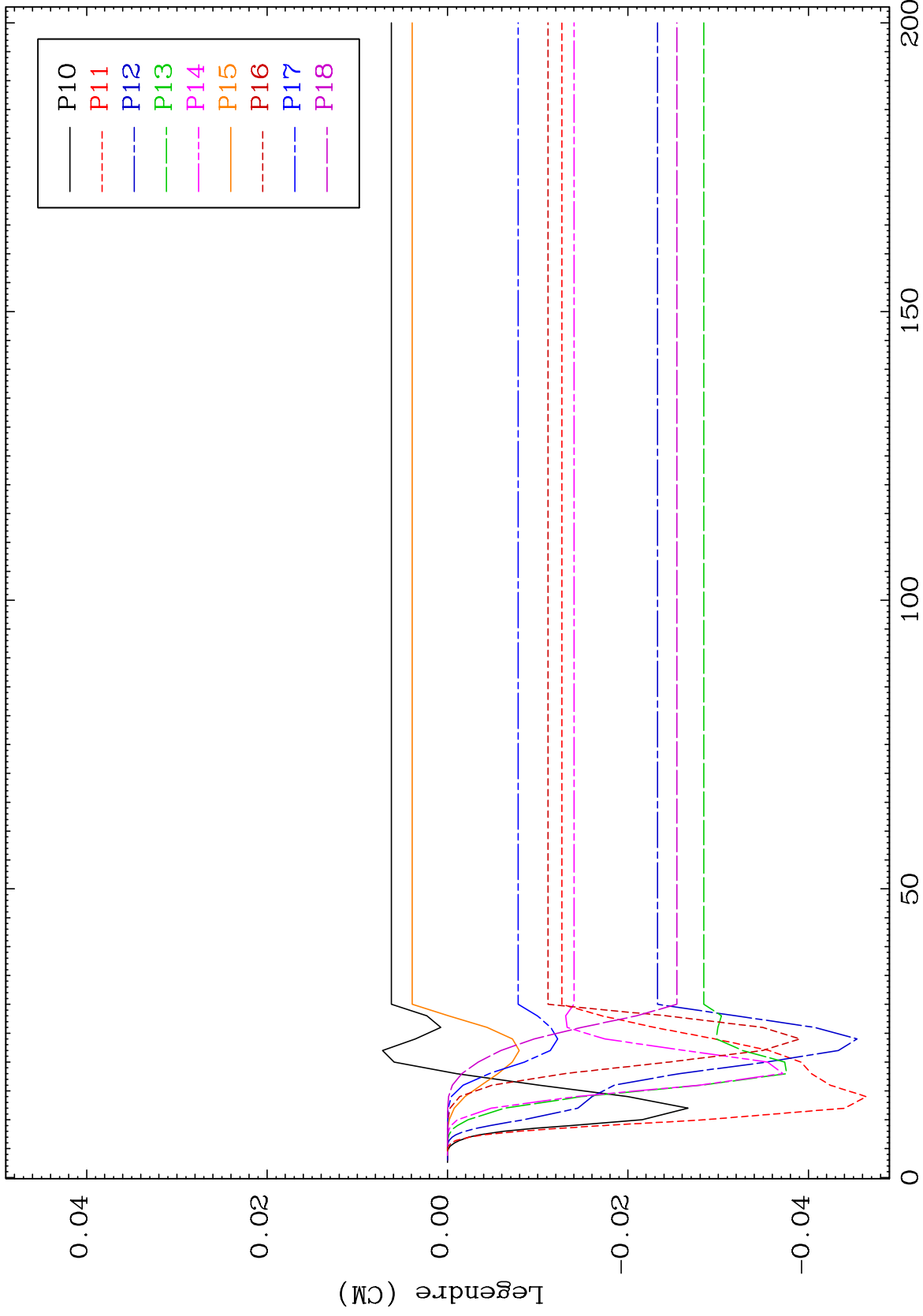


58-Ce-142

MAT 5843

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

58-Ce-142



71

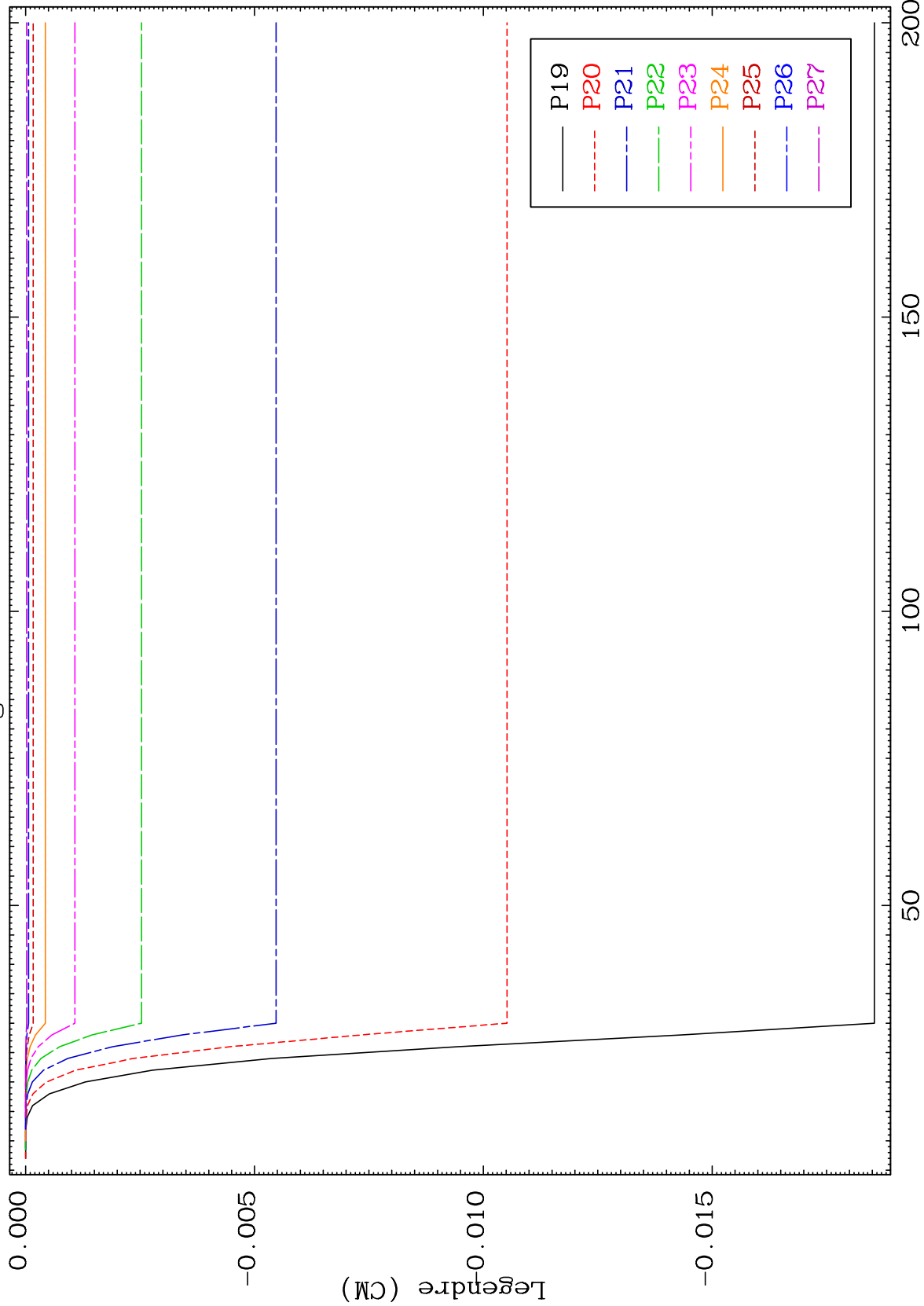
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

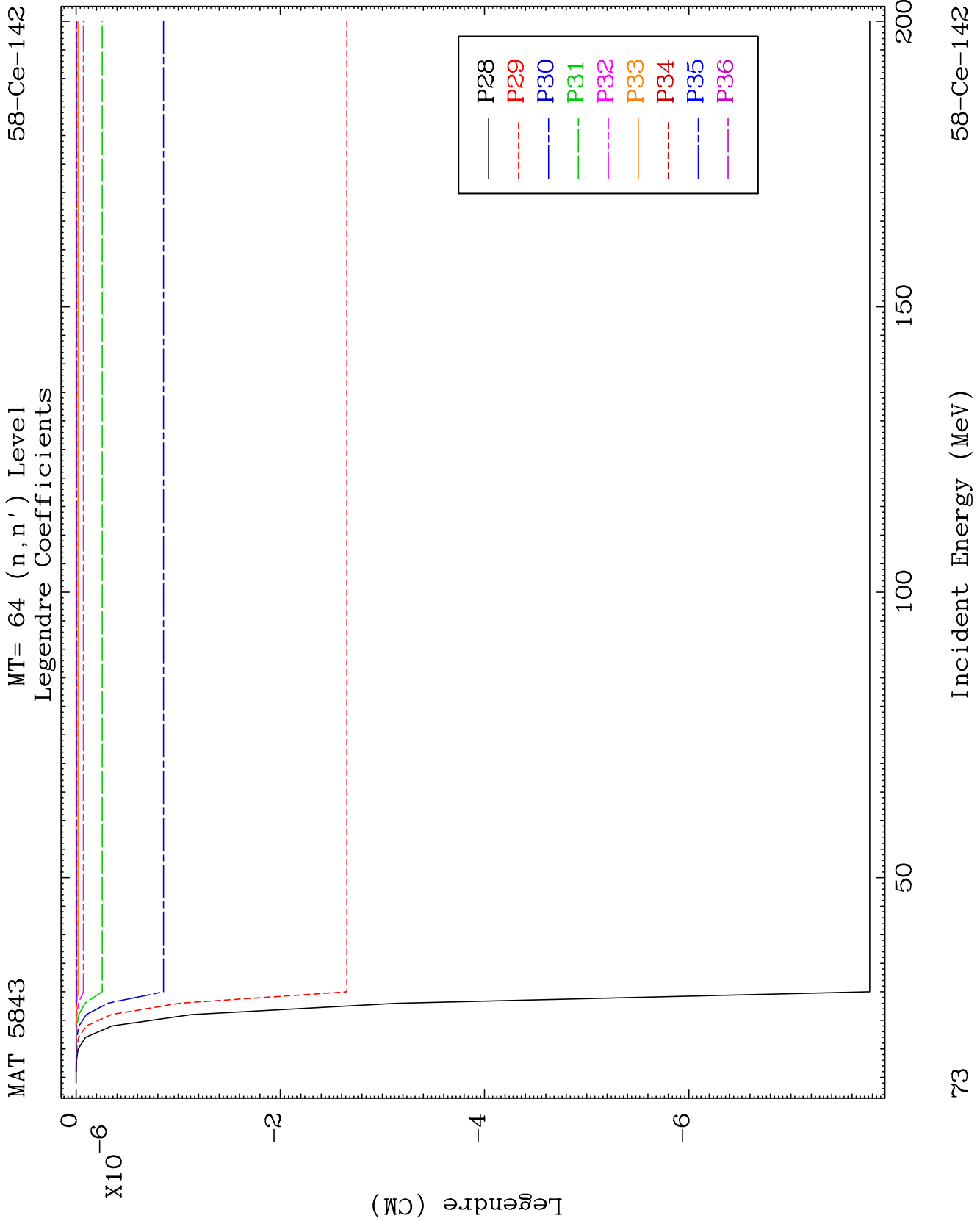
58-Ce-142



72

Incident Energy (MeV)

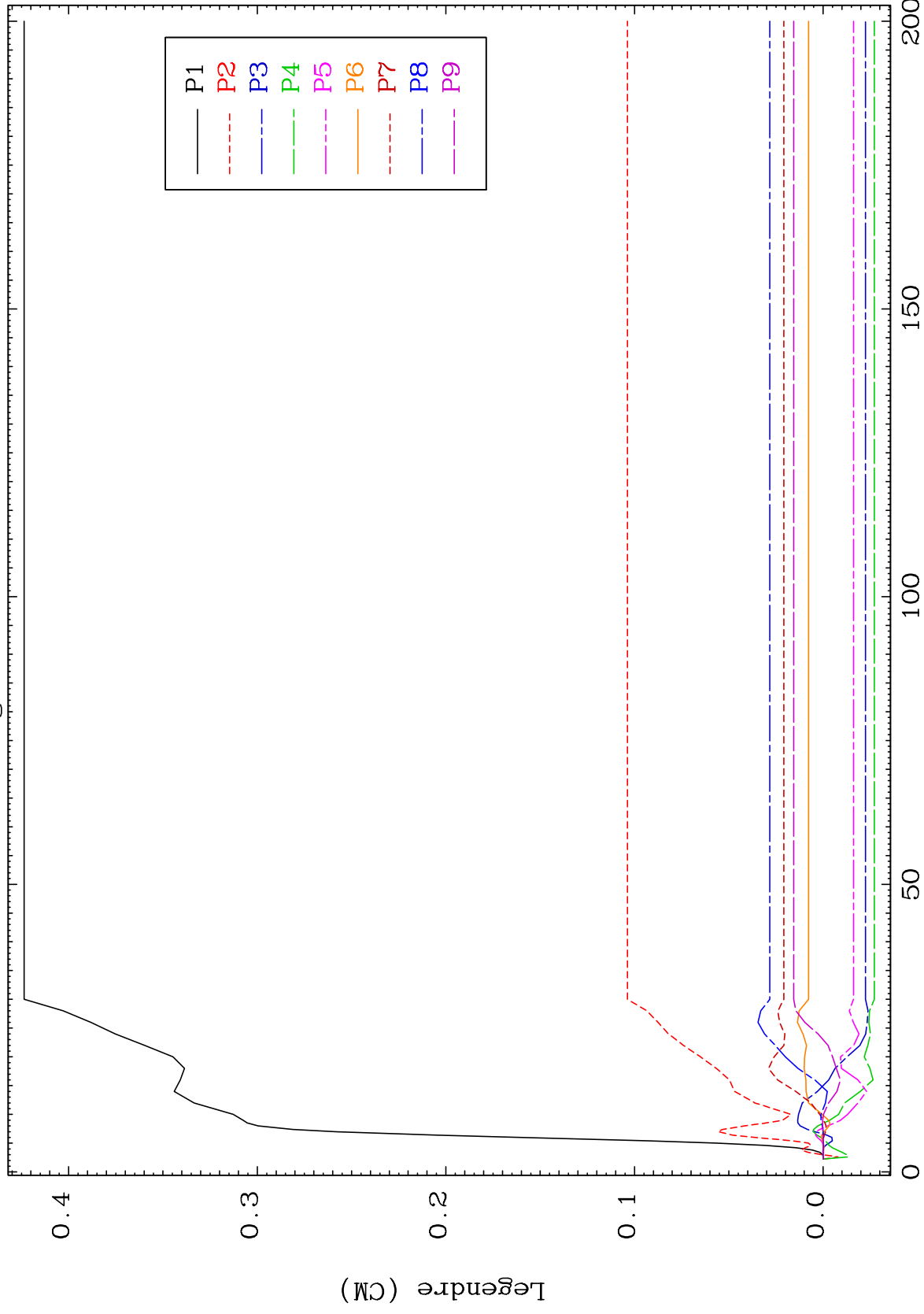
58-Ce-142



MAT 5843

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

58-Ce-142



74

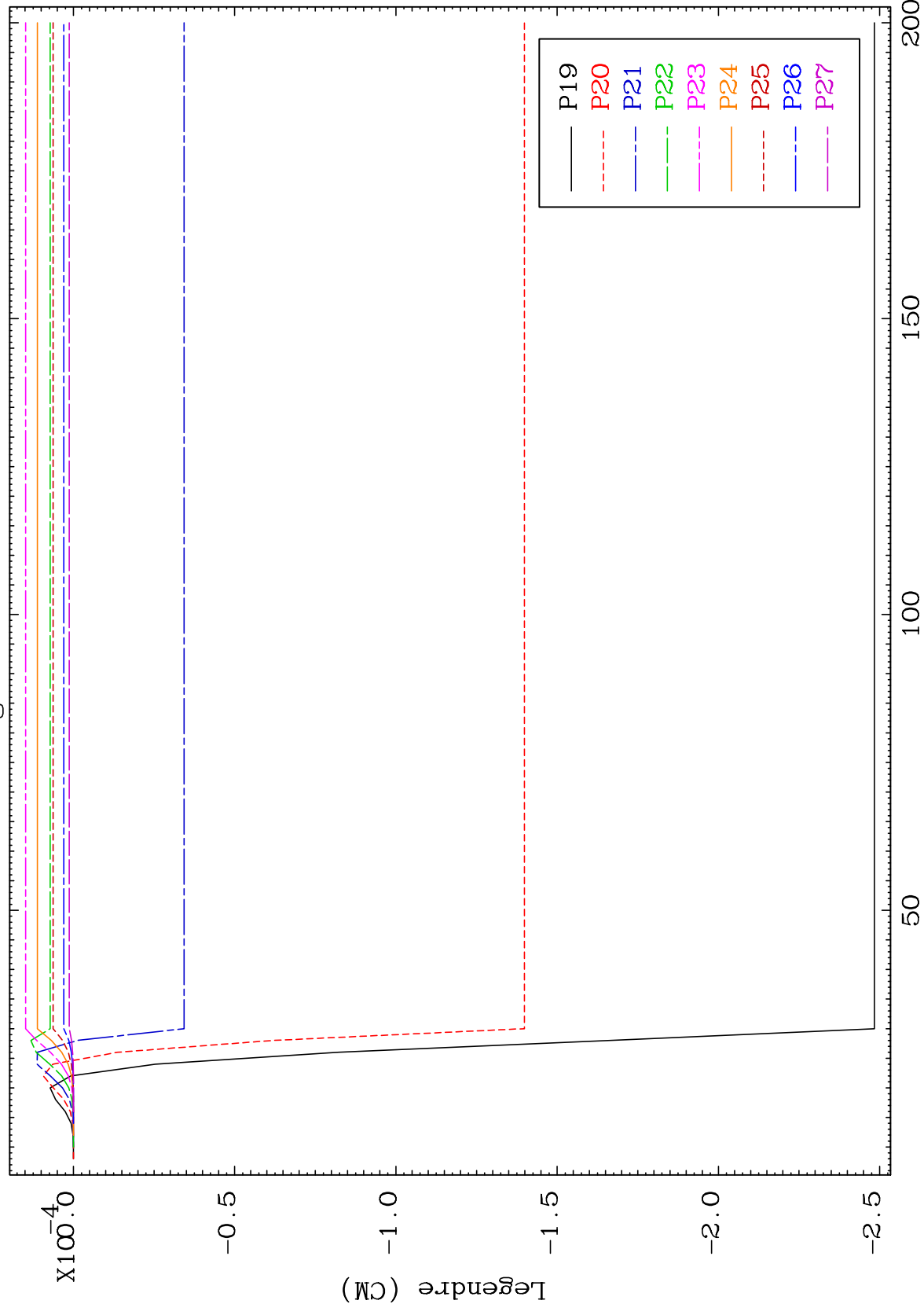
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



76

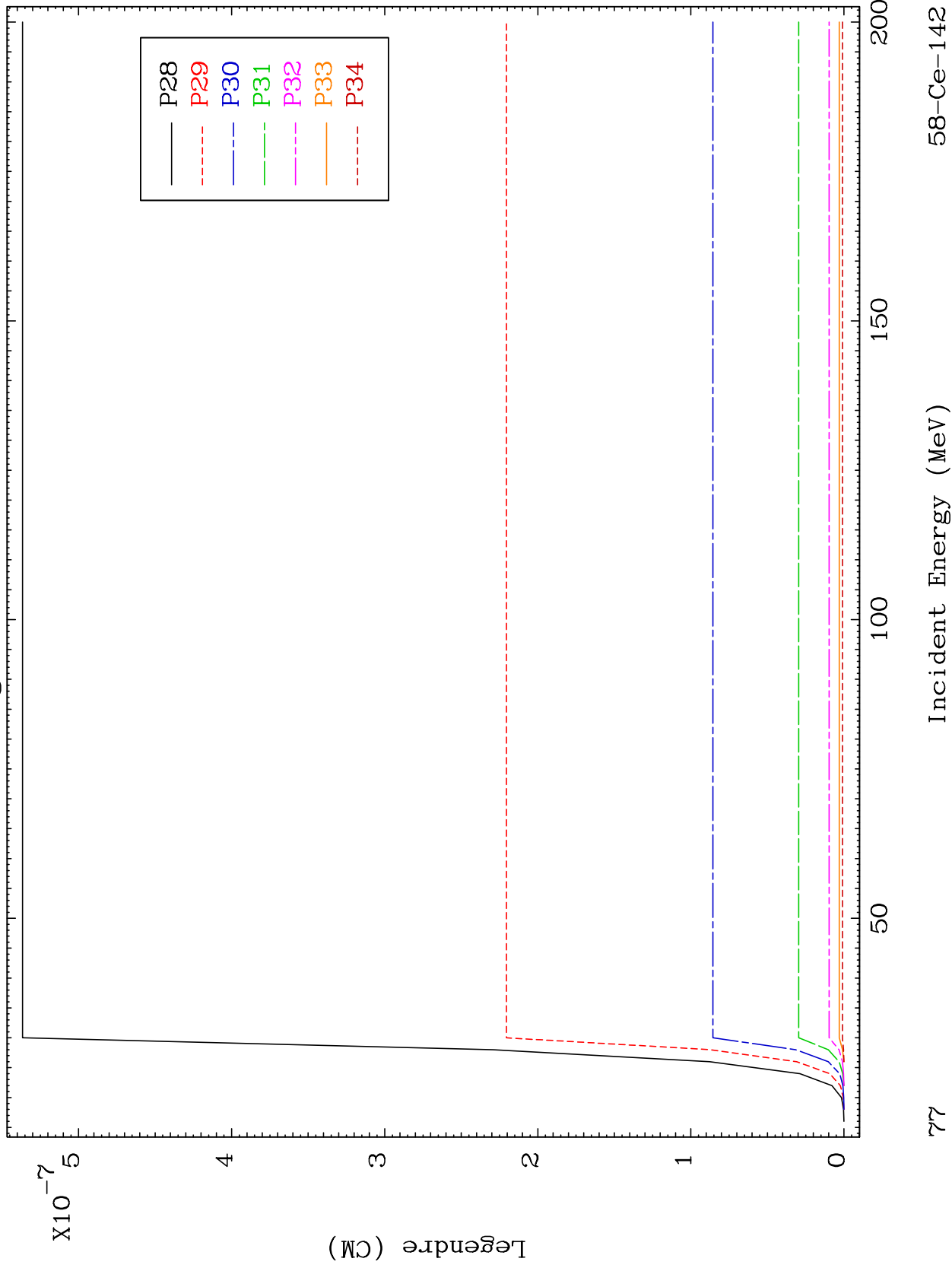
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

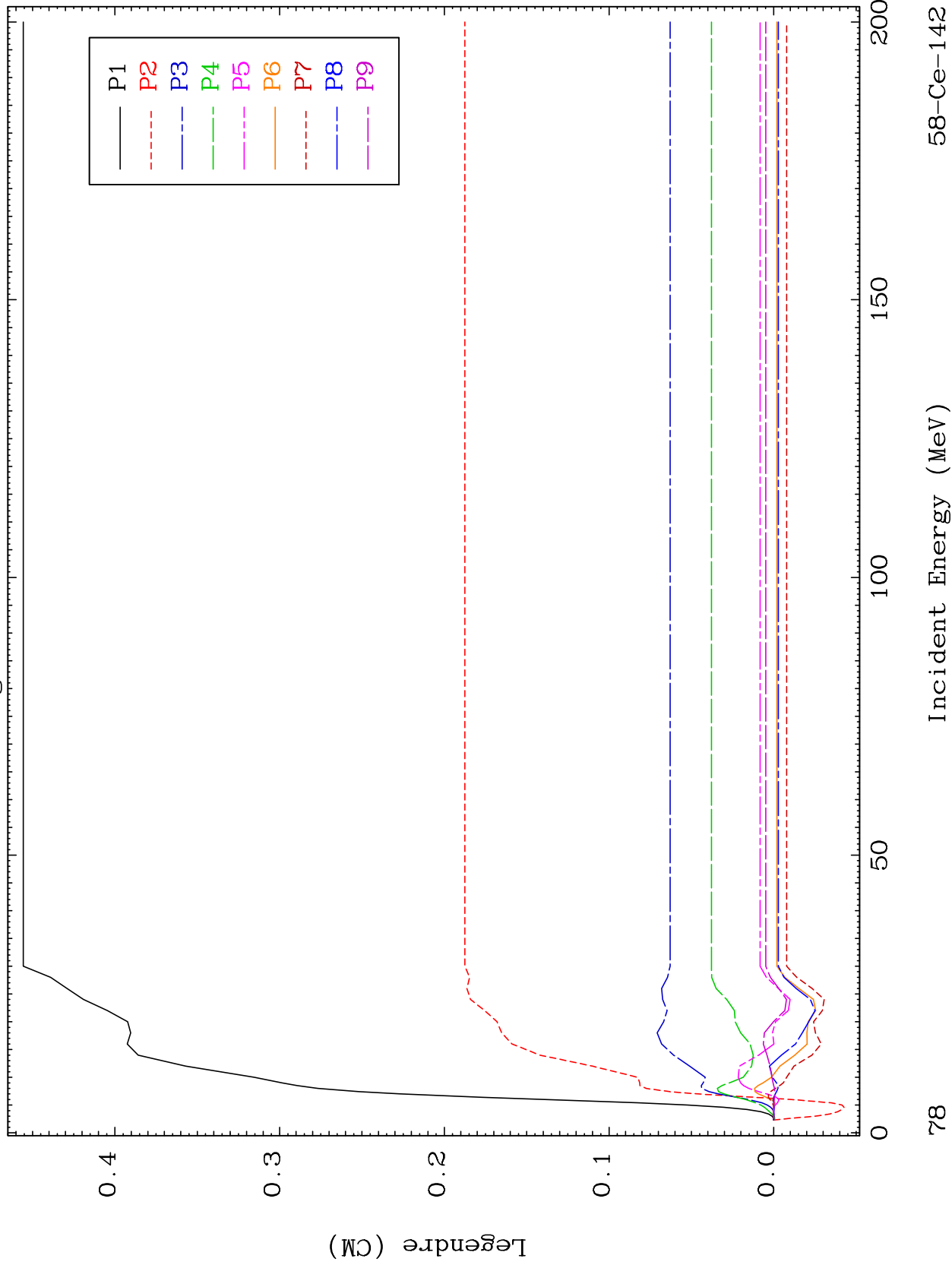
58-Ce-142



MAT 5843

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

58-Ce-142



58-Ce-142

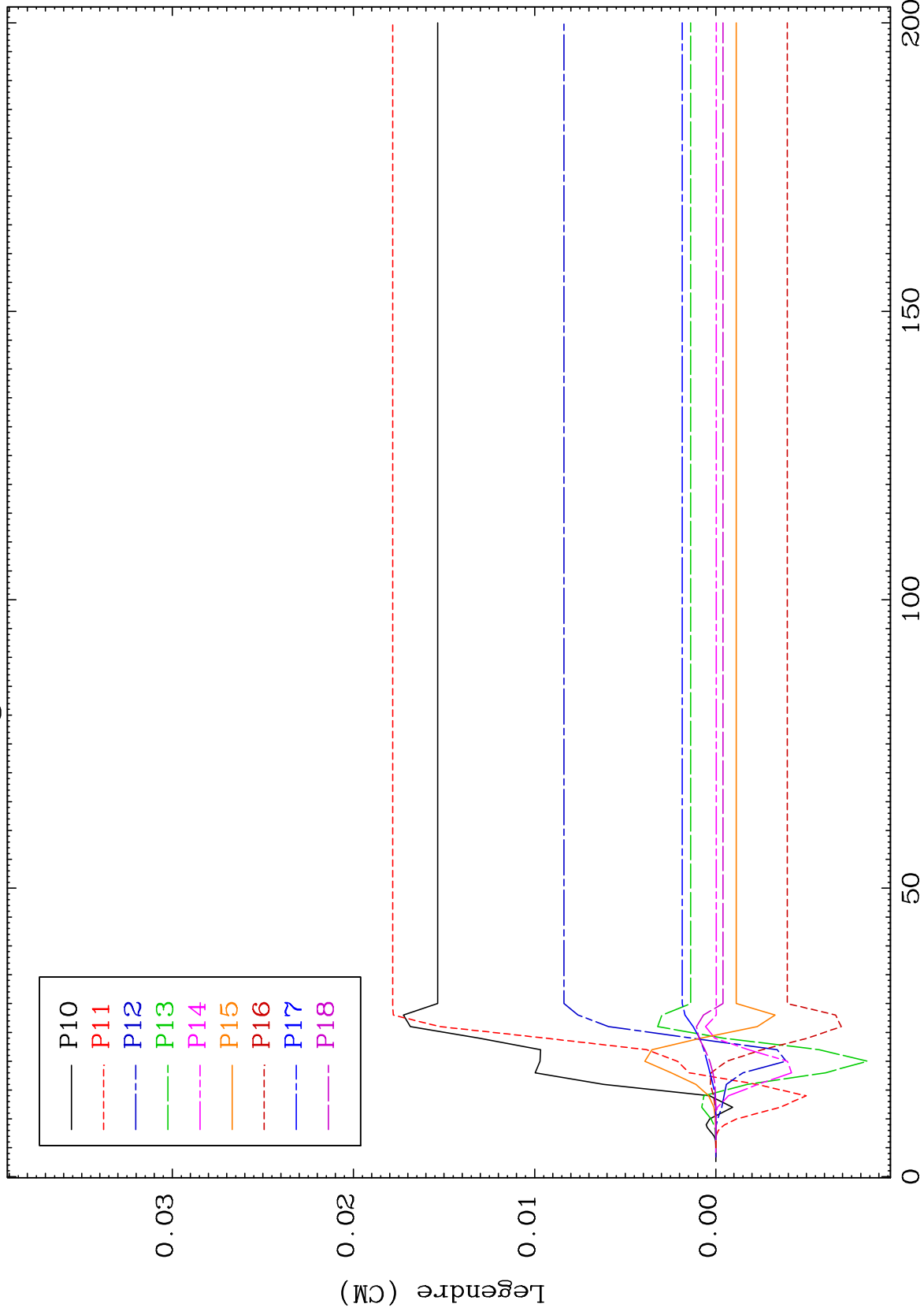
Incident Energy (MeV)

78

MAT 5843

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

58-Ce-142



79

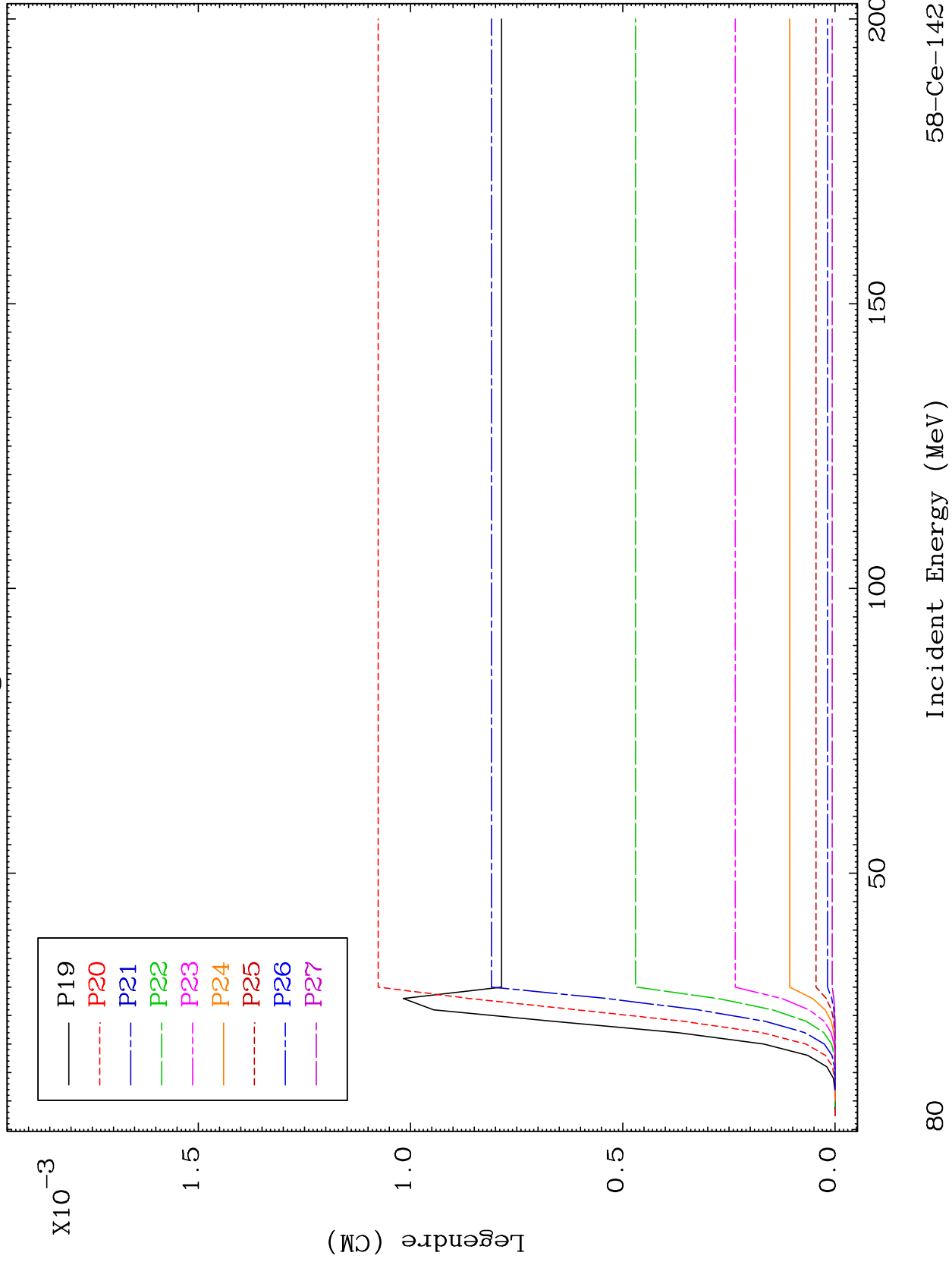
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

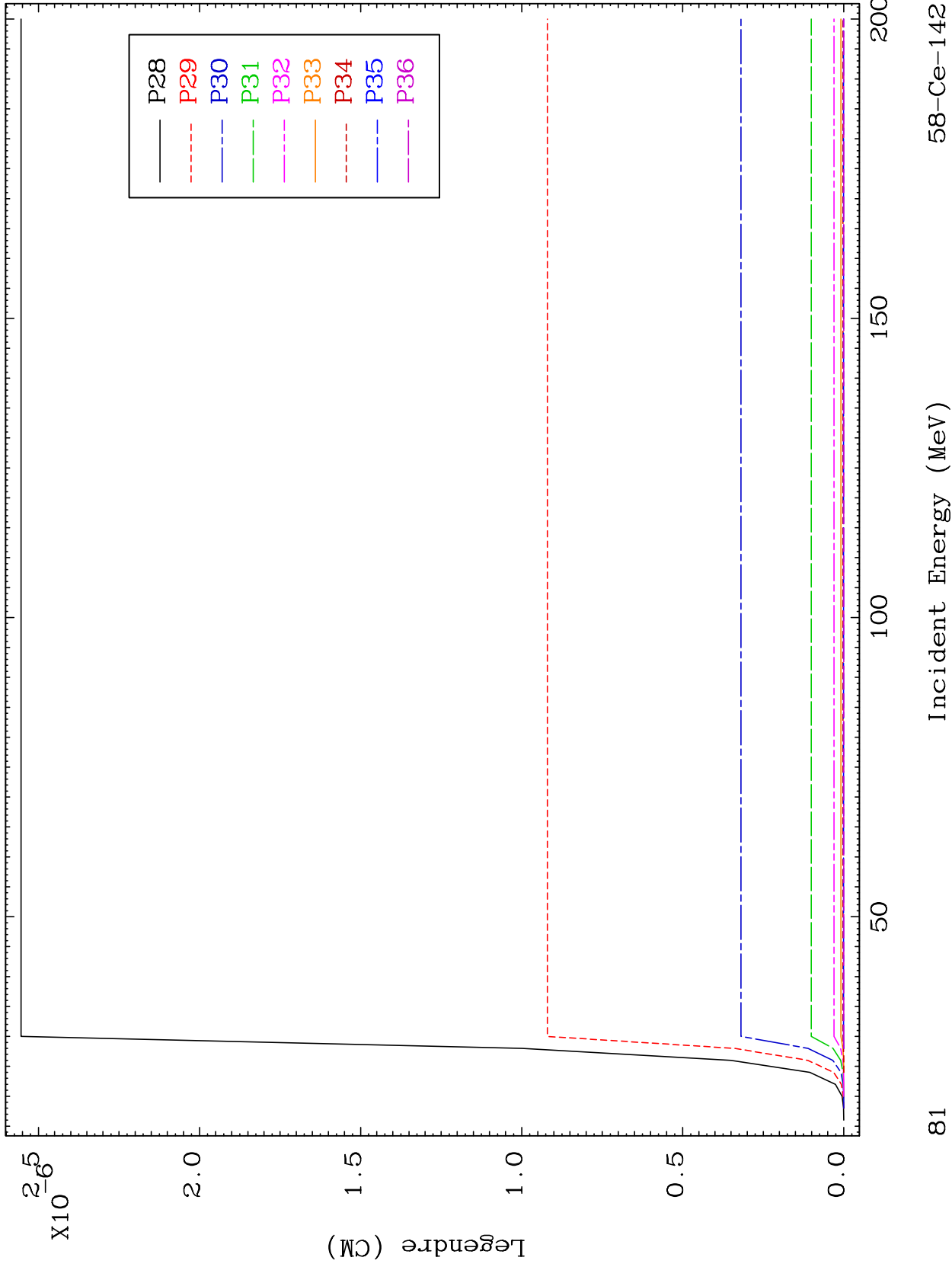
58-Ce-142



MAT 5843

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

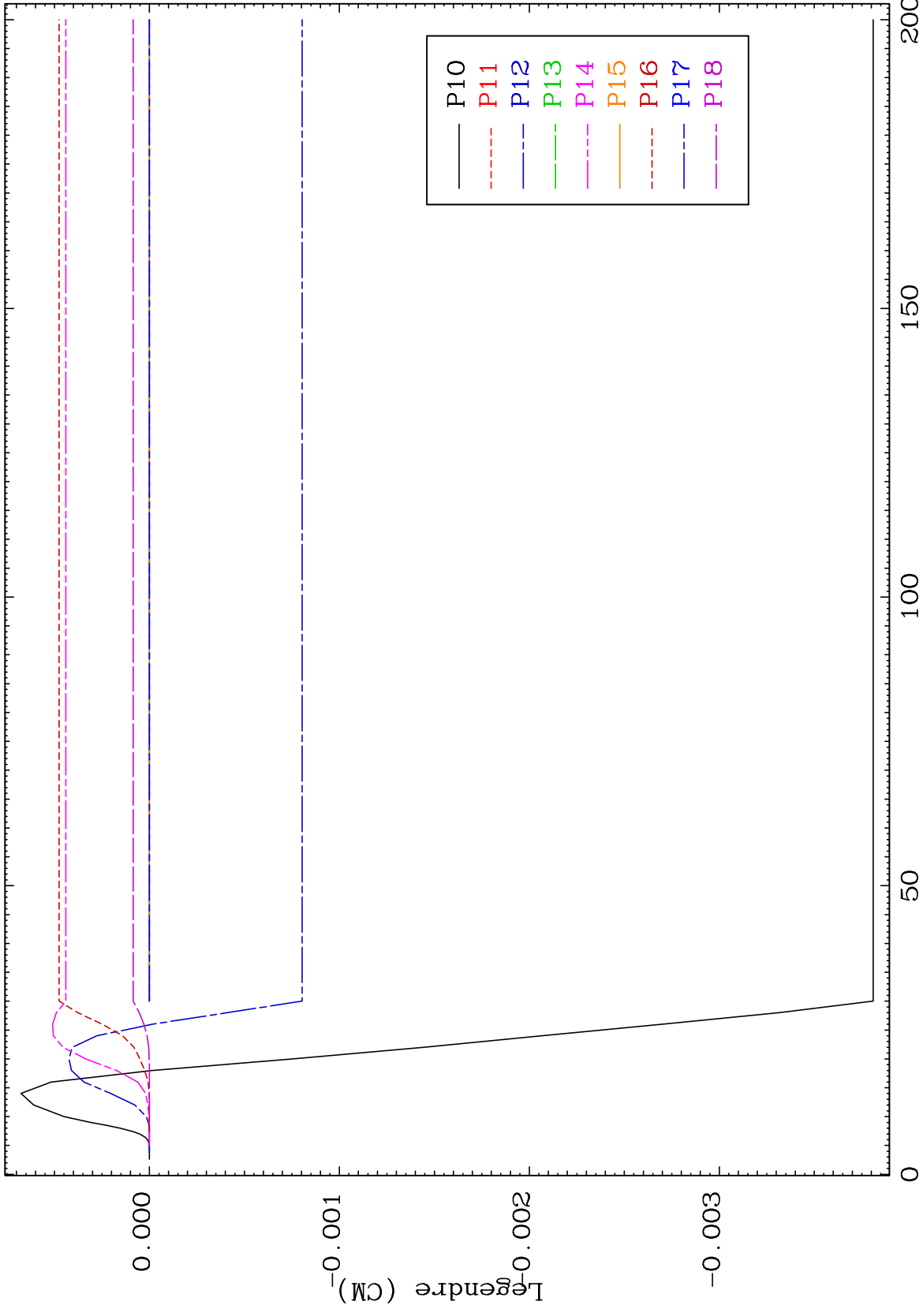
58-Ce-142



MAT 5843

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

58-Ce-142



83

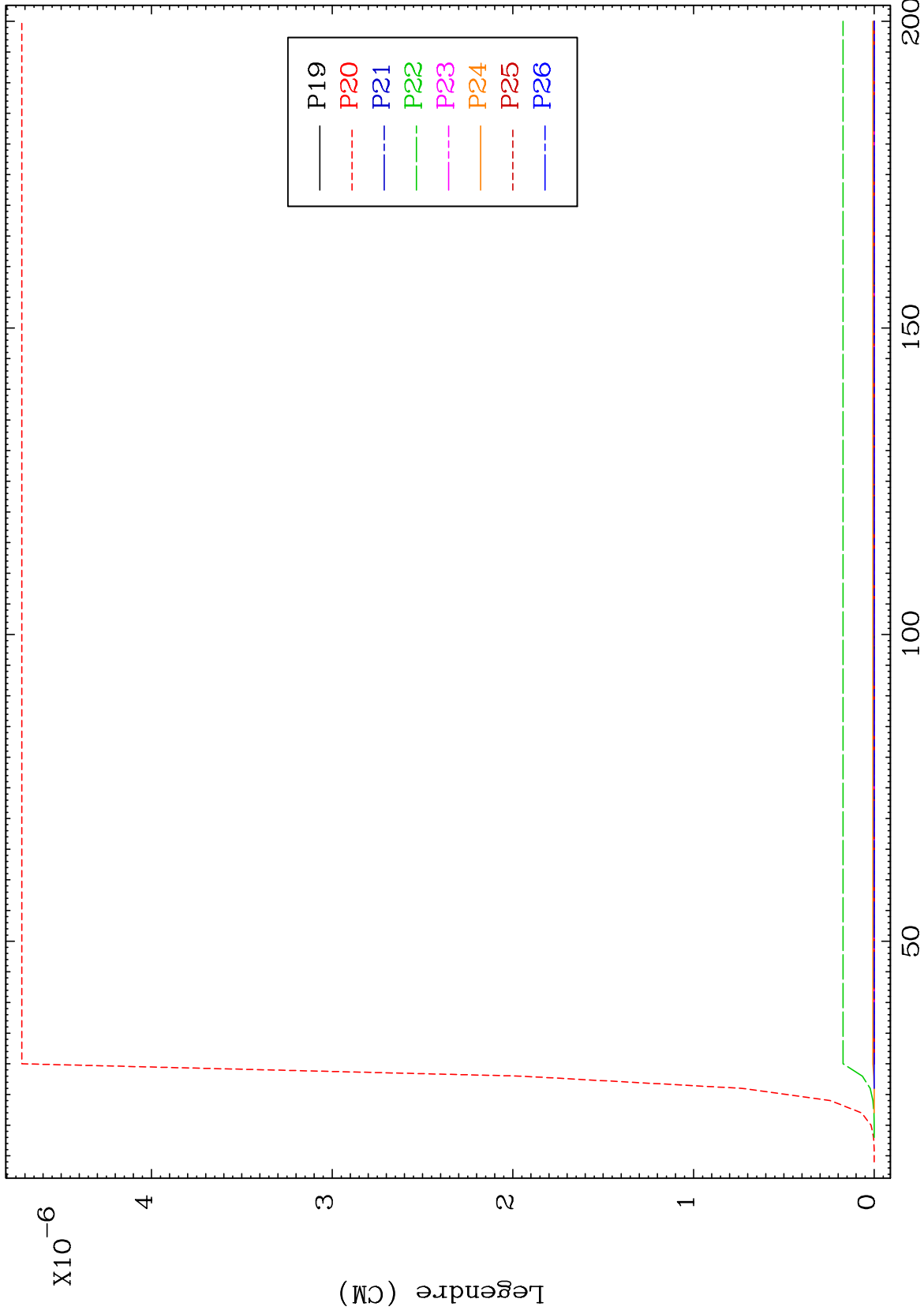
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



84

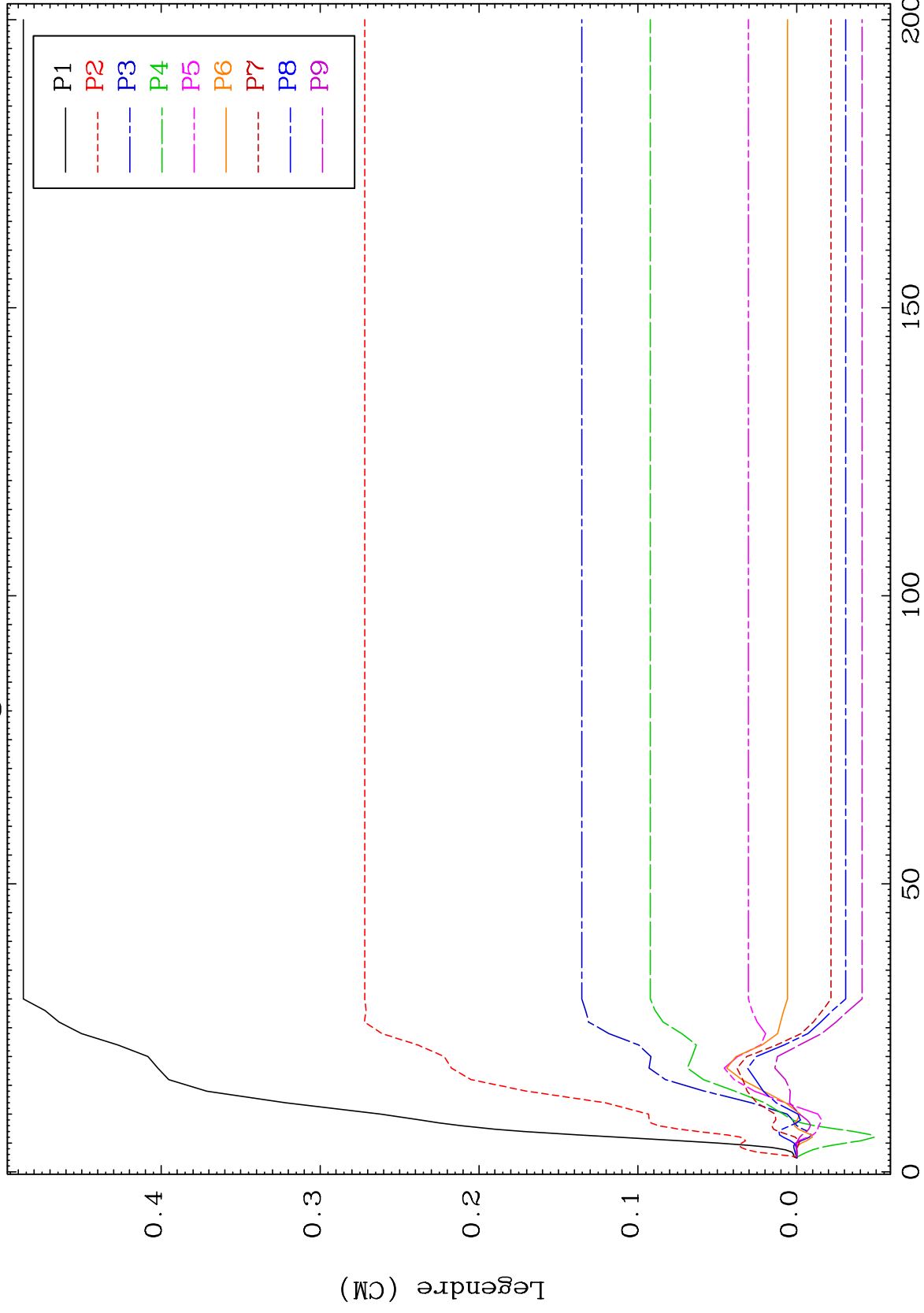
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



85

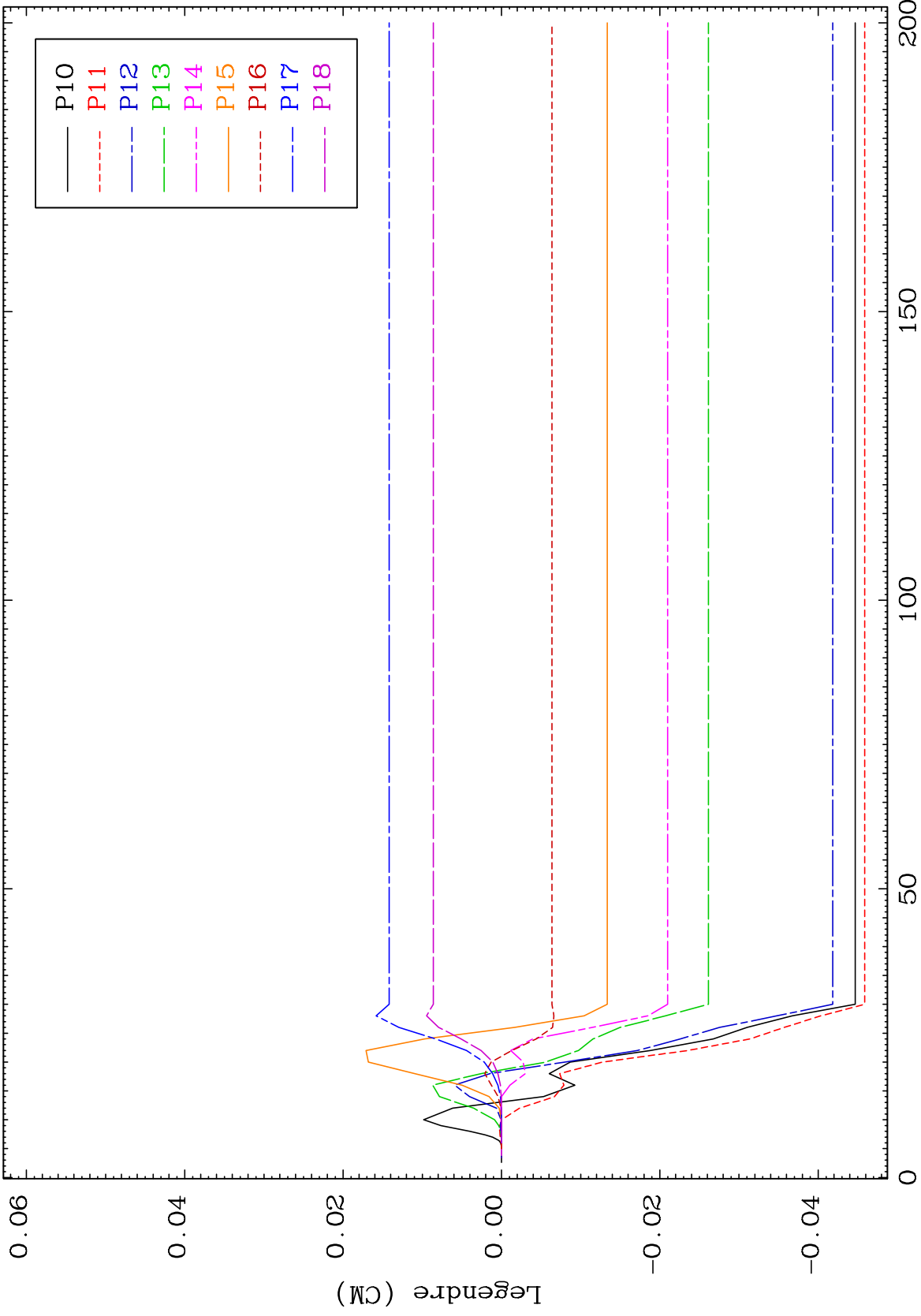
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



86

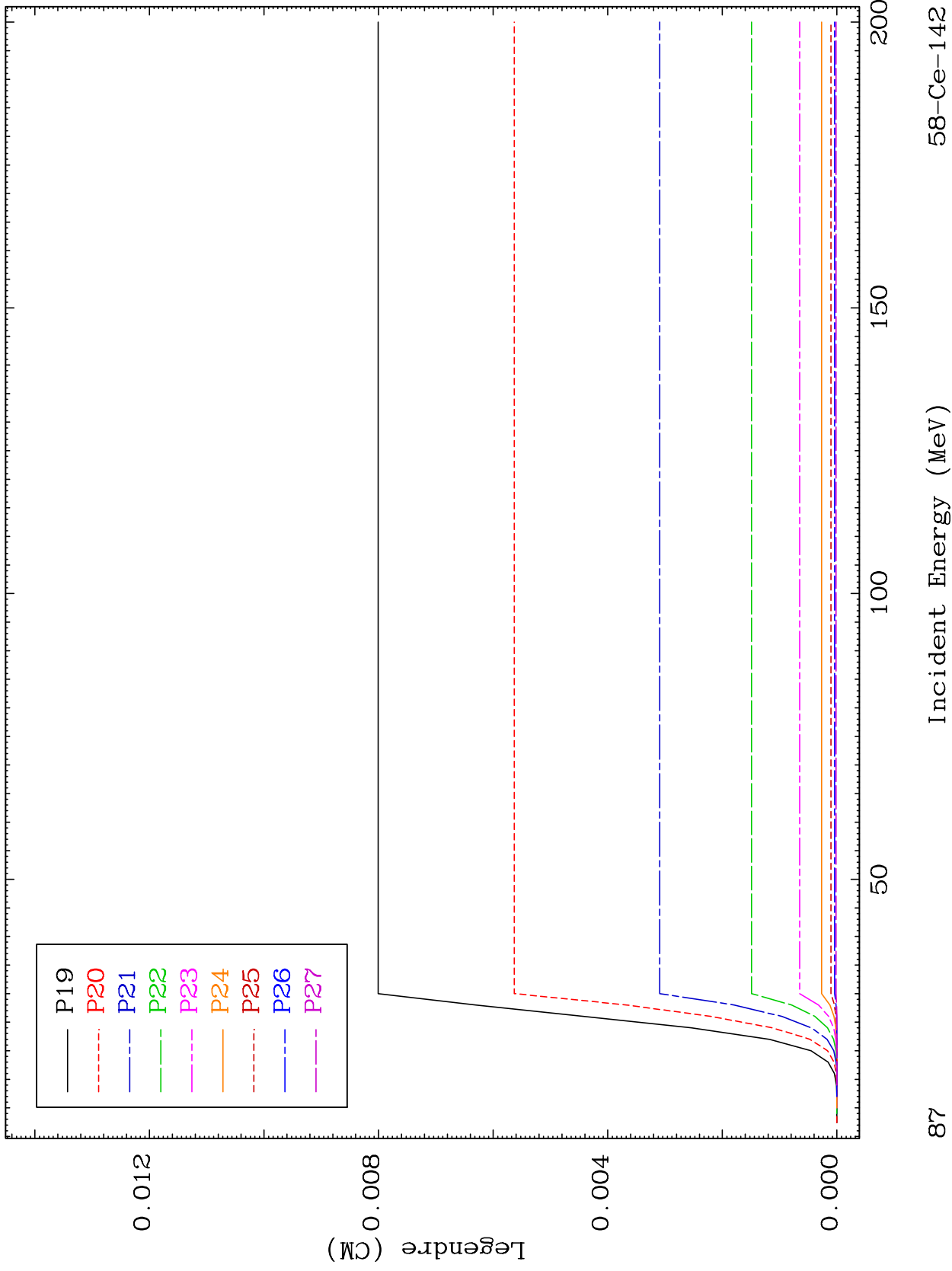
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



87

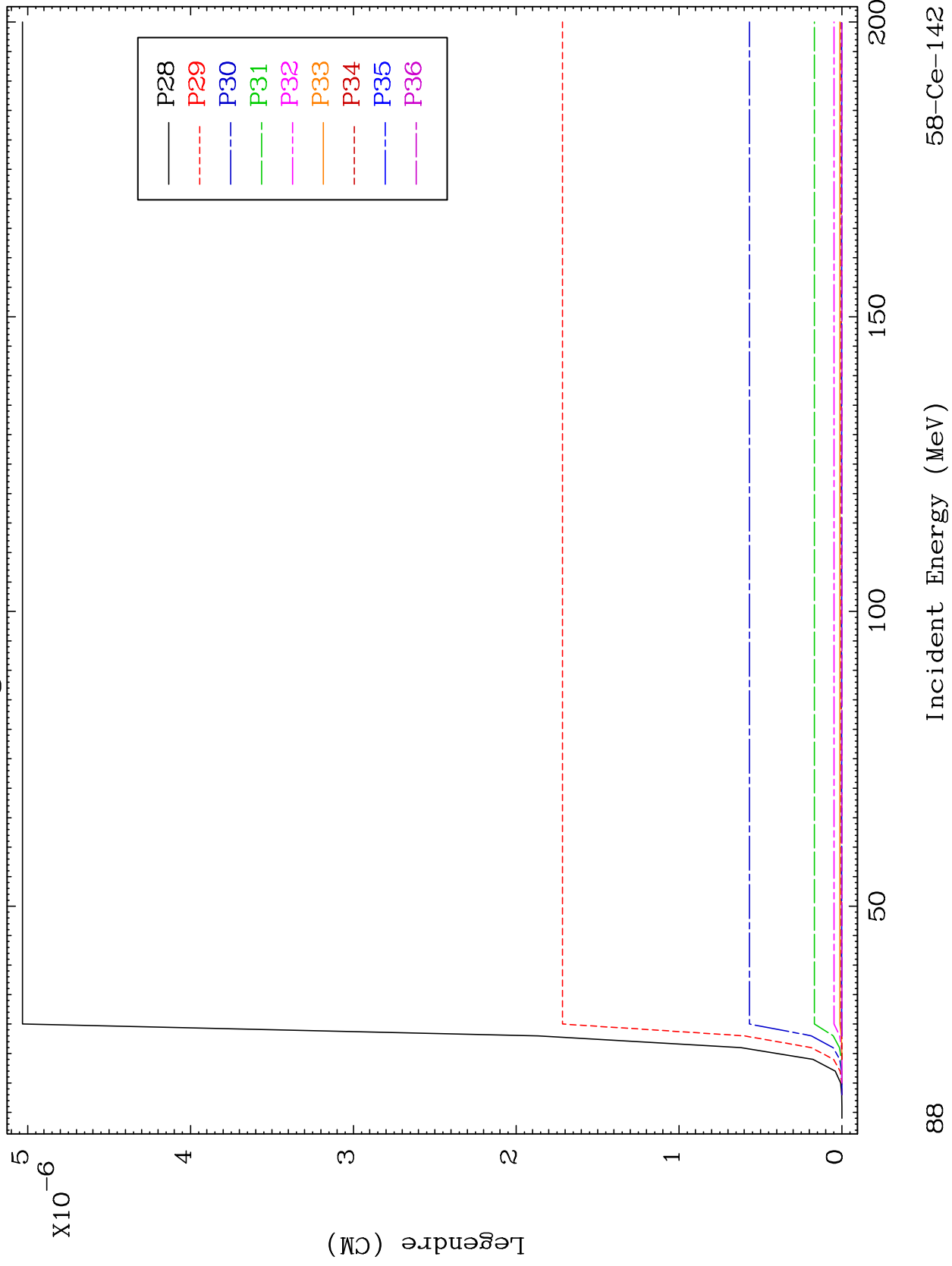
Incident Energy (MeV)

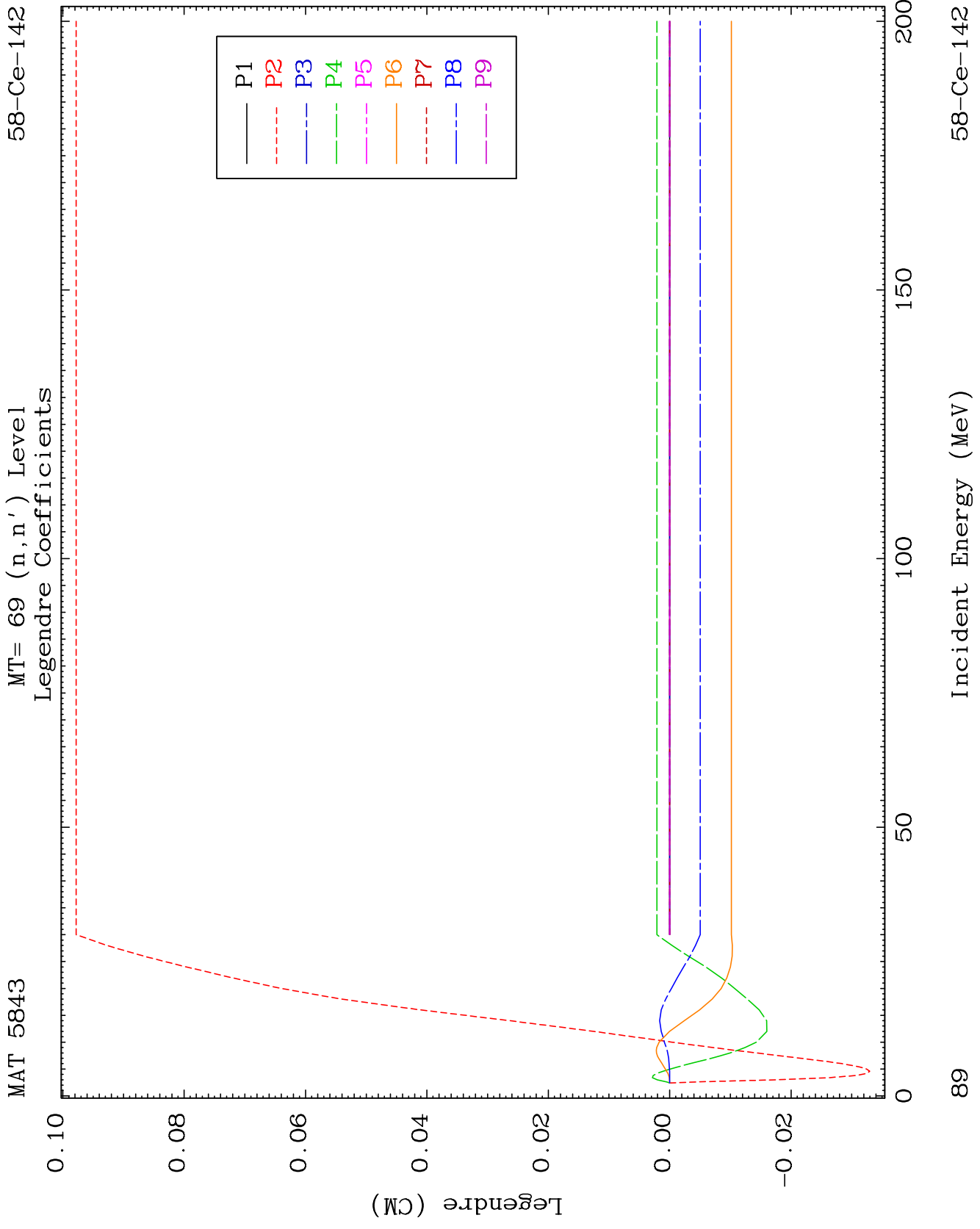
58-Ce-142

MAT 5843

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

58-Ce-142

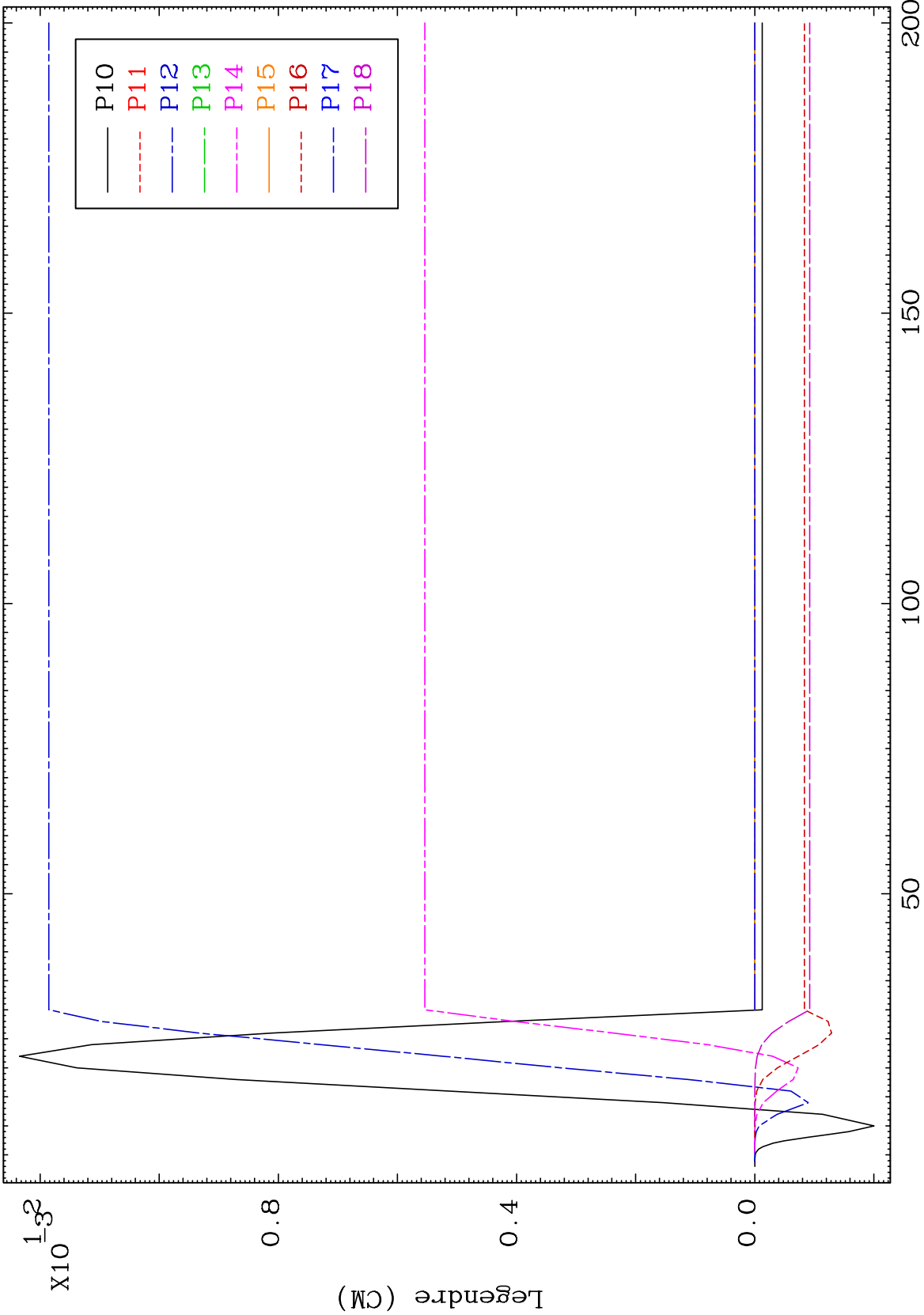




MAT 5843

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

58-Ce-142



90

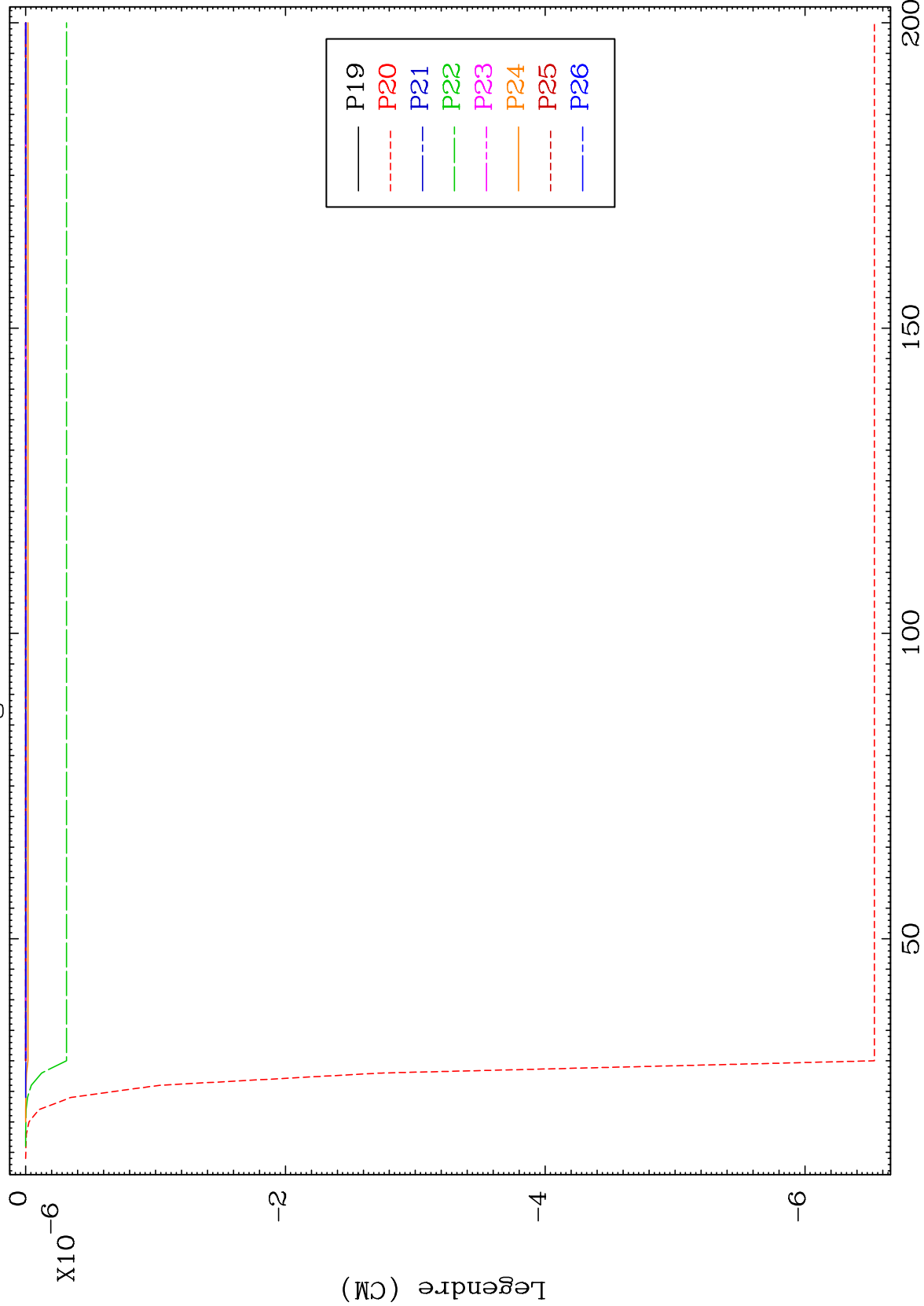
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

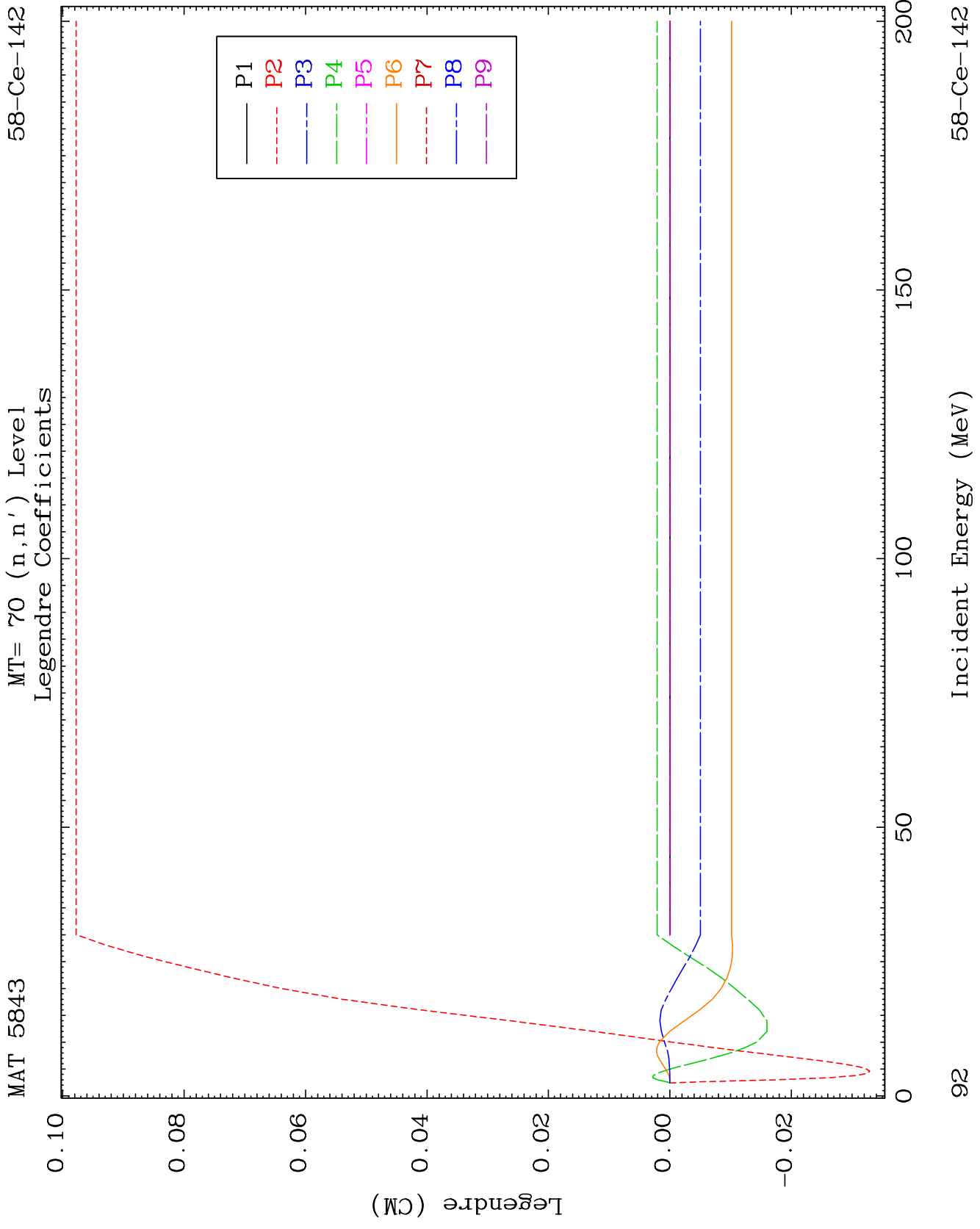
58-Ce-142



58-Ce-142

Incident Energy (MeV)

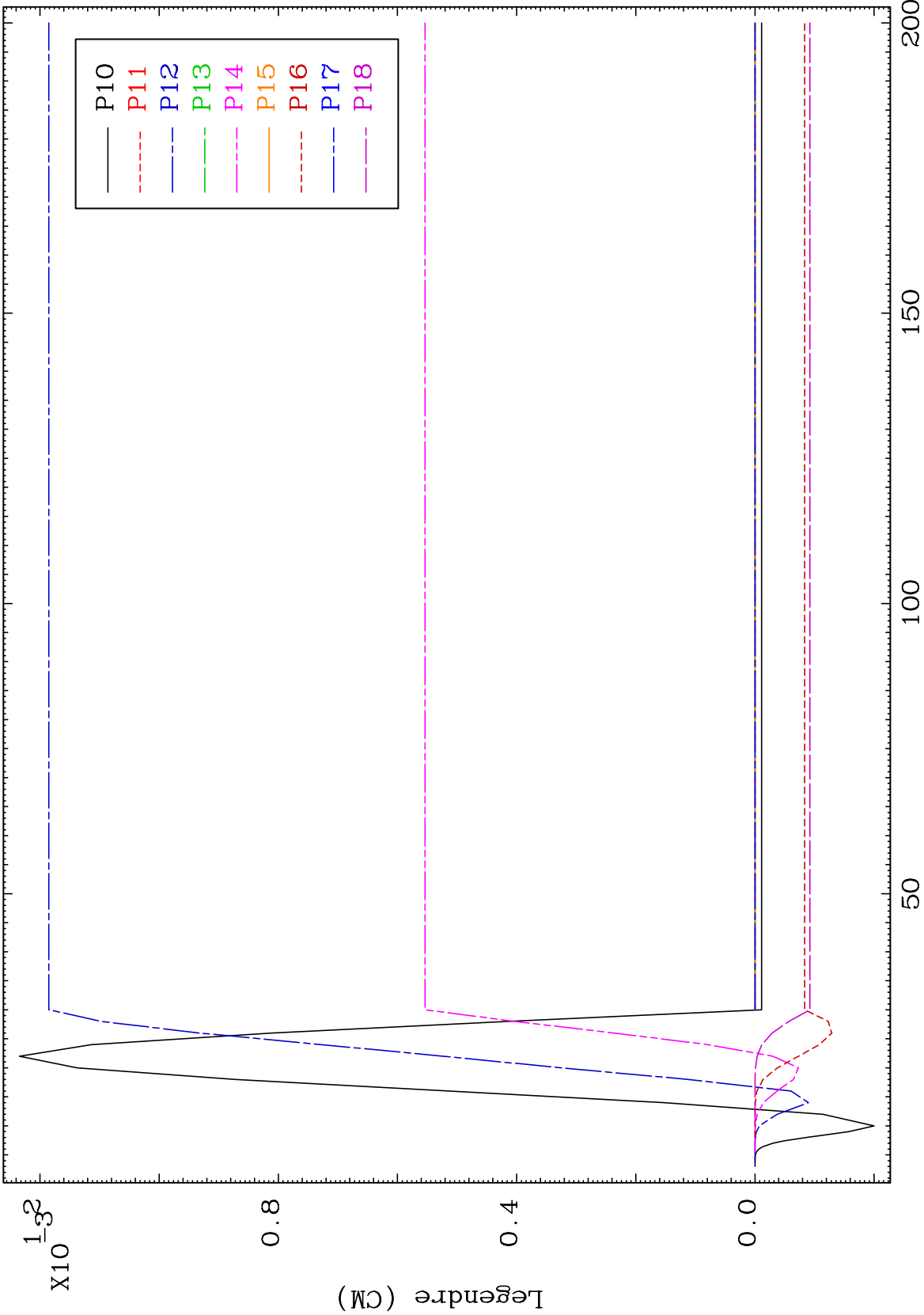
91



MAT 5843

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

58-Ce-142



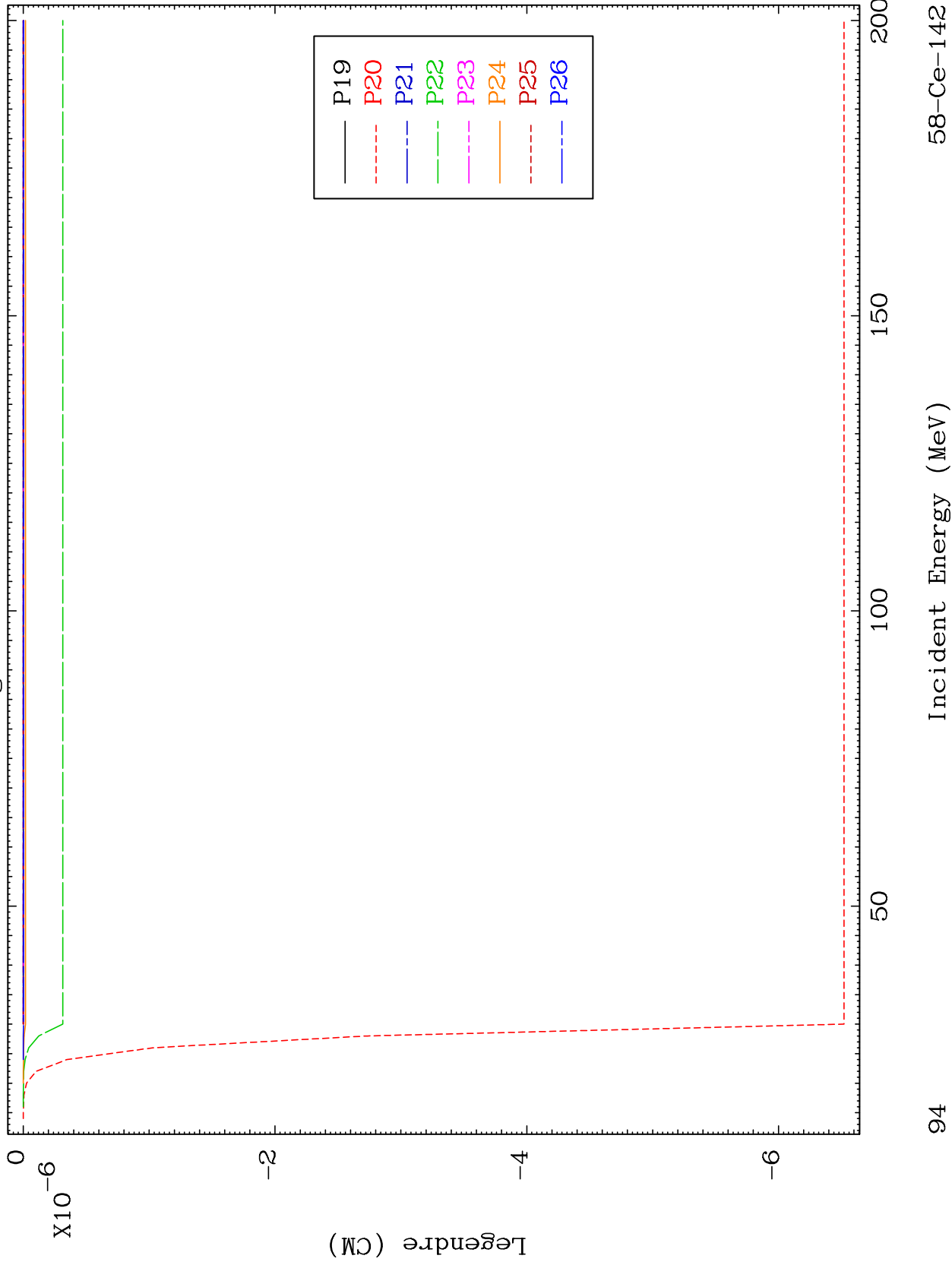
93

58-Ce-142

MAT 5843

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

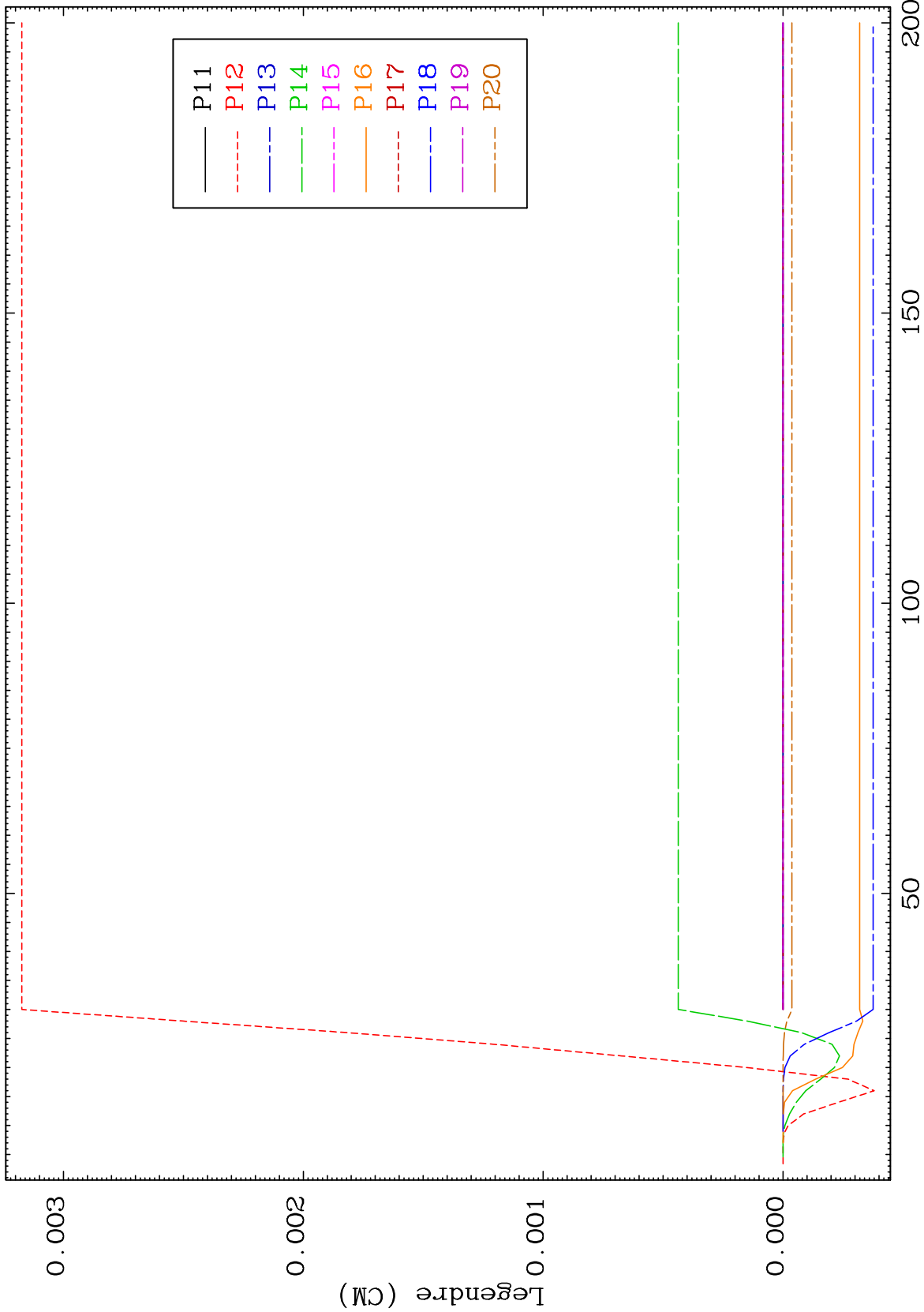
58-Ce-142



MAT 5843

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

58-Ce-142



96

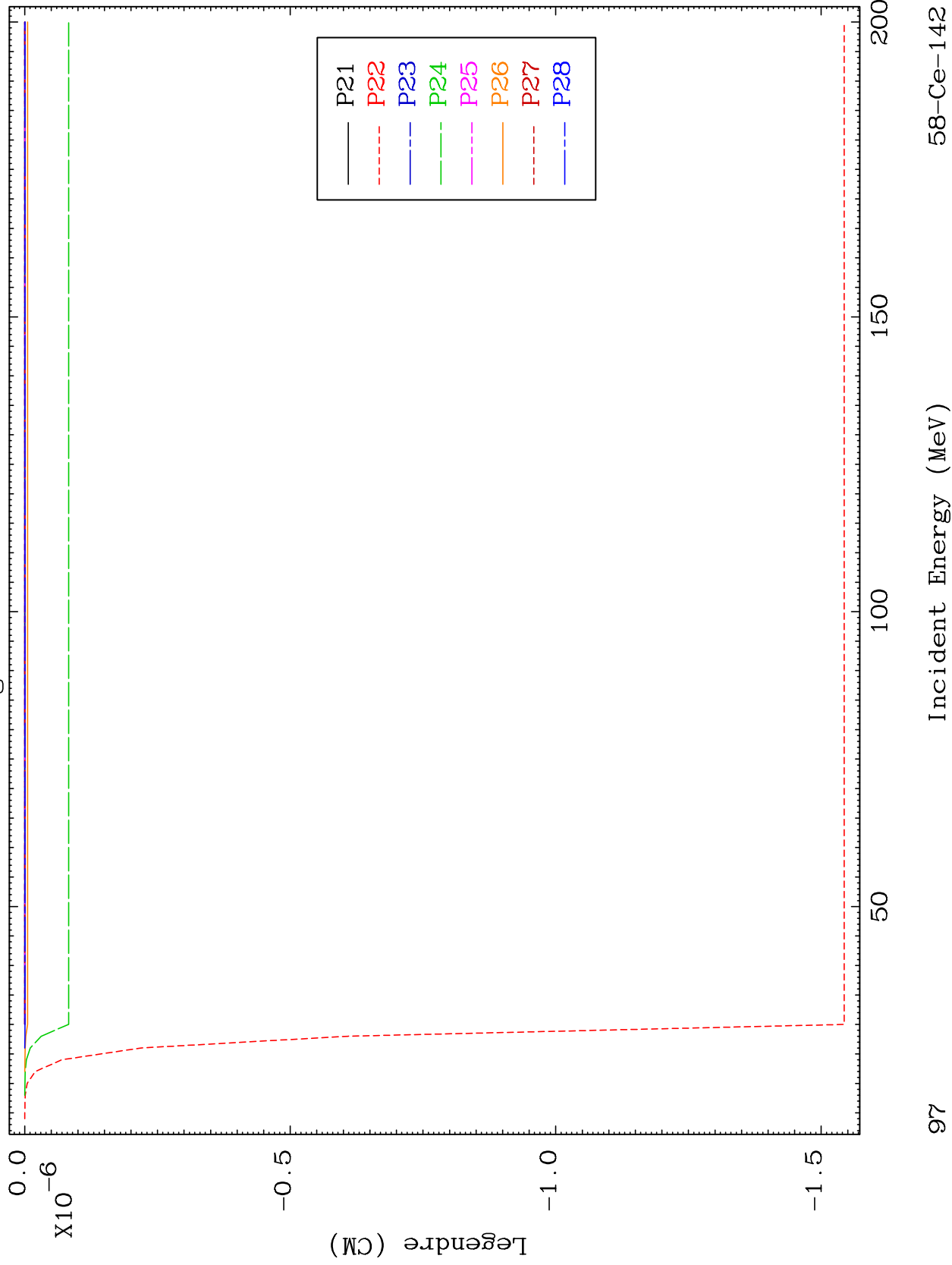
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

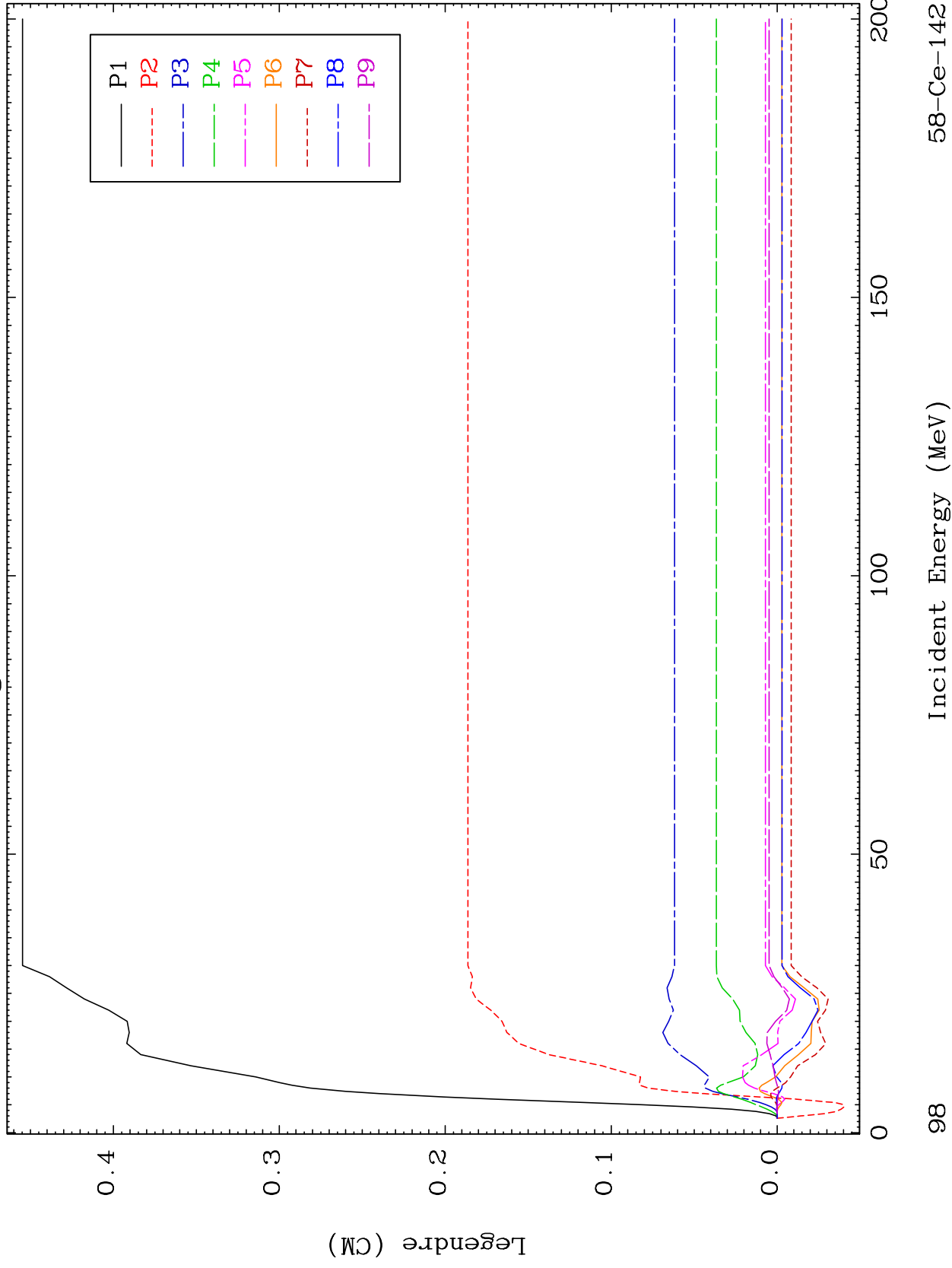
58-Ce-142



MAT 5843

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

58-Ce-142



58-Ce-142

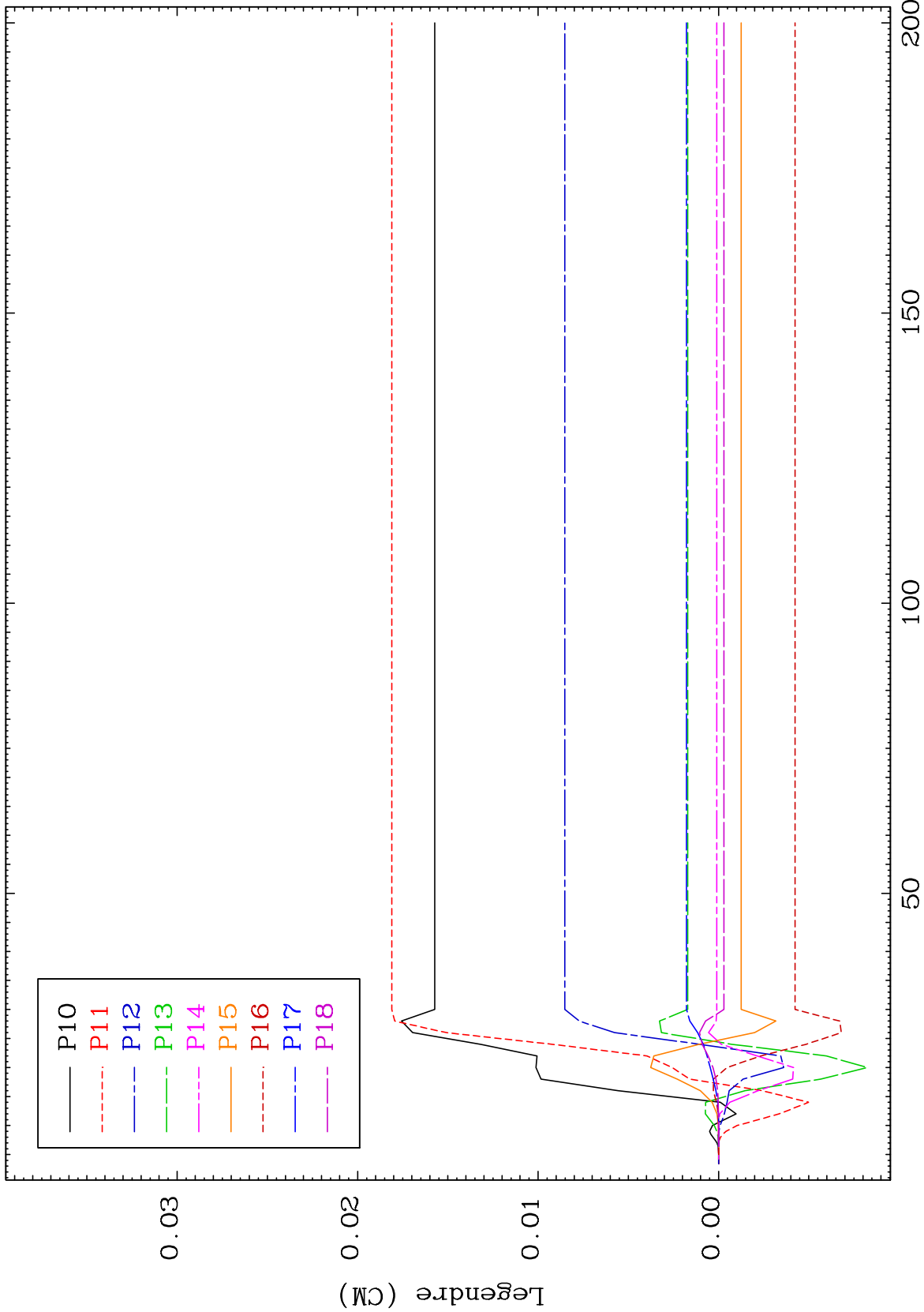
Incident Energy (MeV)

98

MAT 5843

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

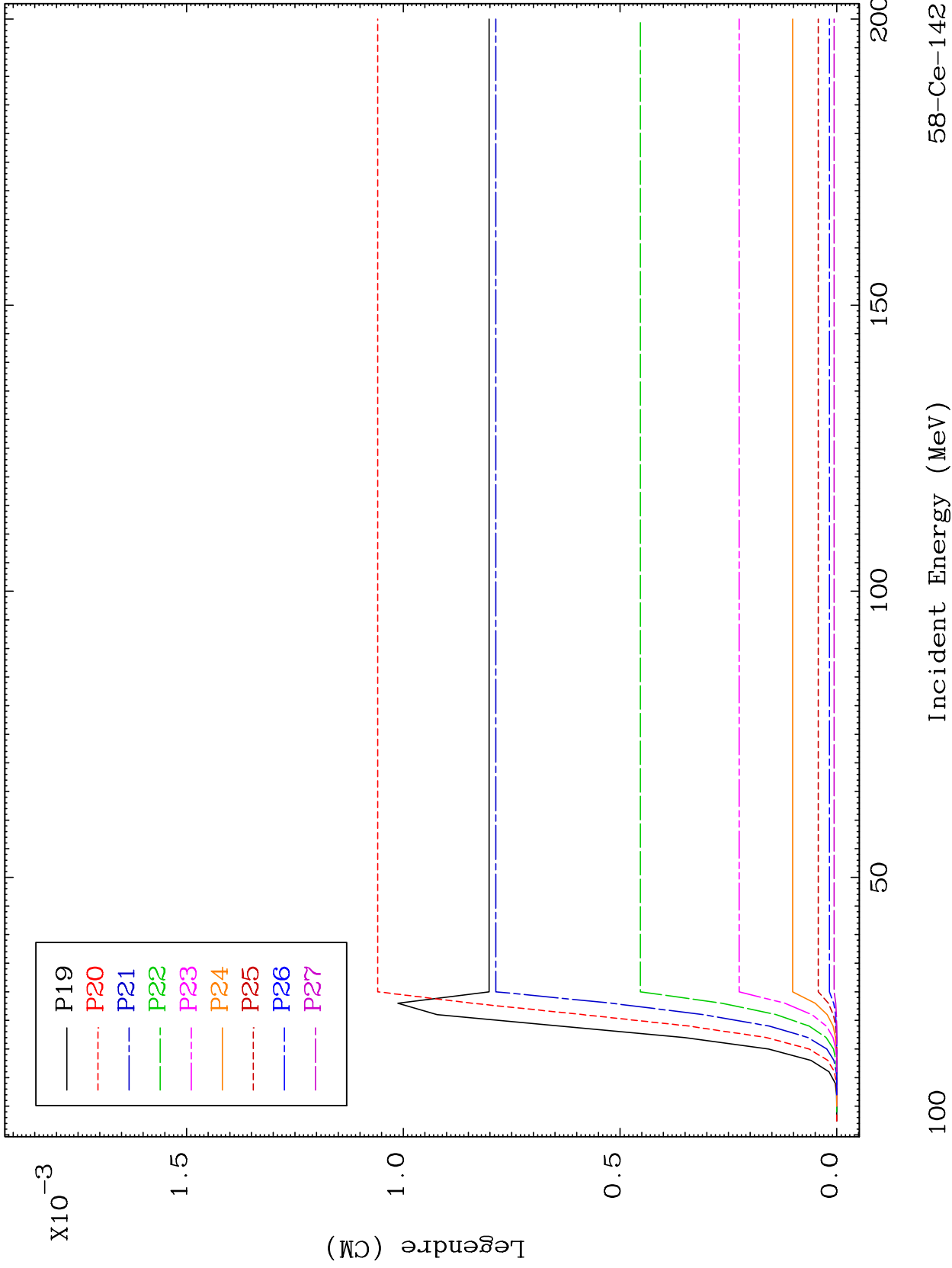
58-Ce-142



MAT 5843

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

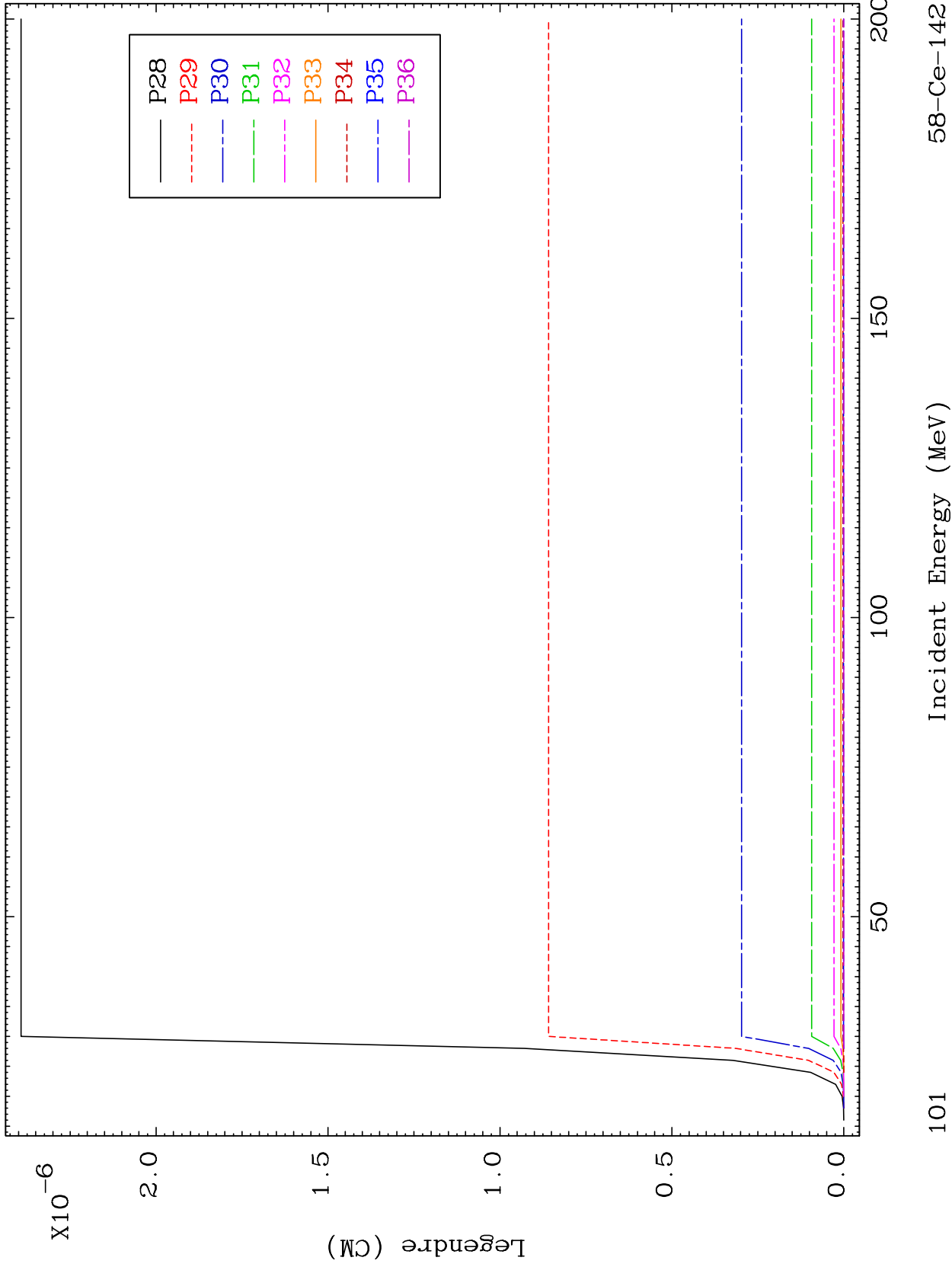
58-Ce-142



MAT 5843

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

58-Ce-142



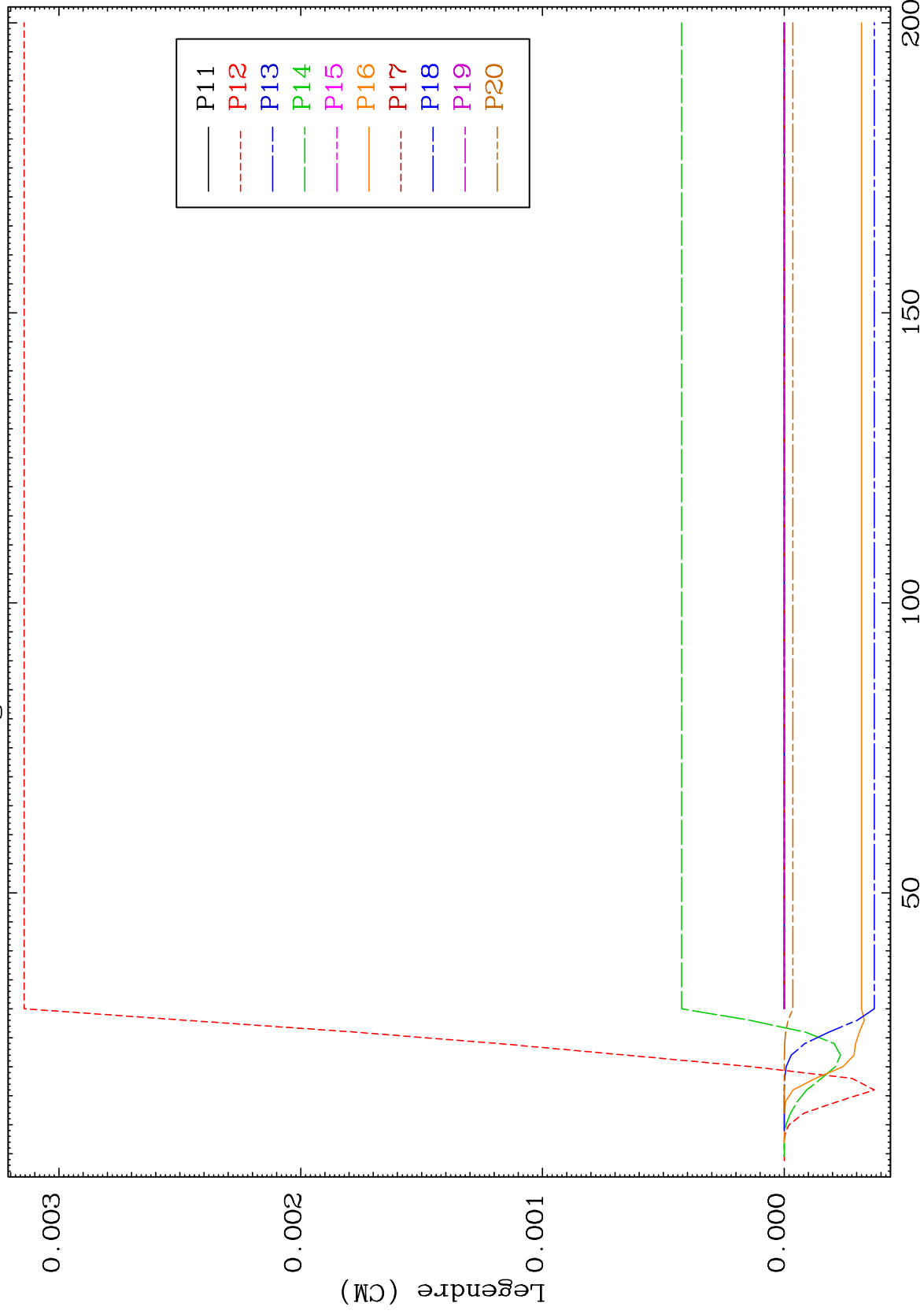
101

58-Ce-142

MAT 5843

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

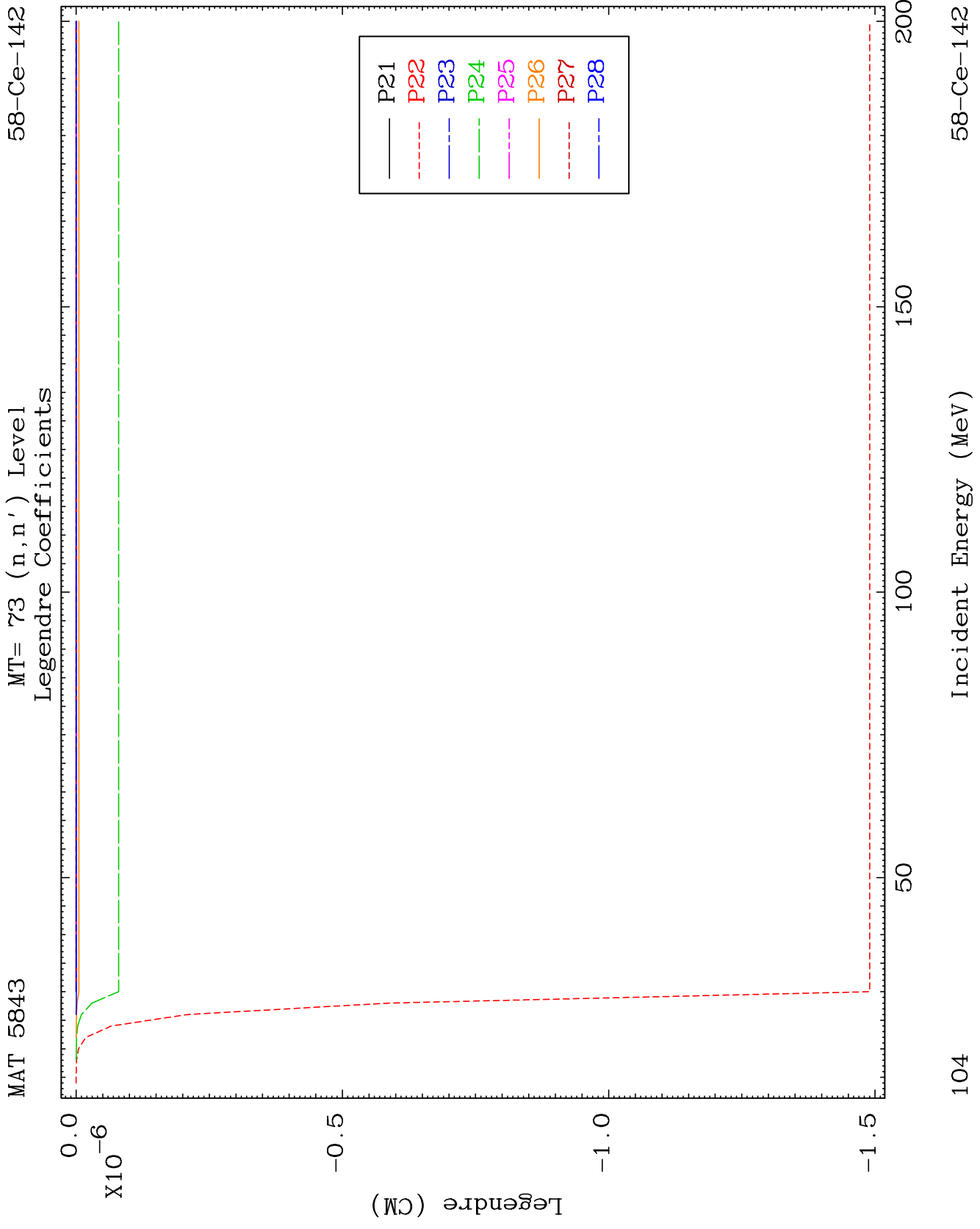
58-Ce-142



103

Incident Energy (MeV)

58-Ce-142

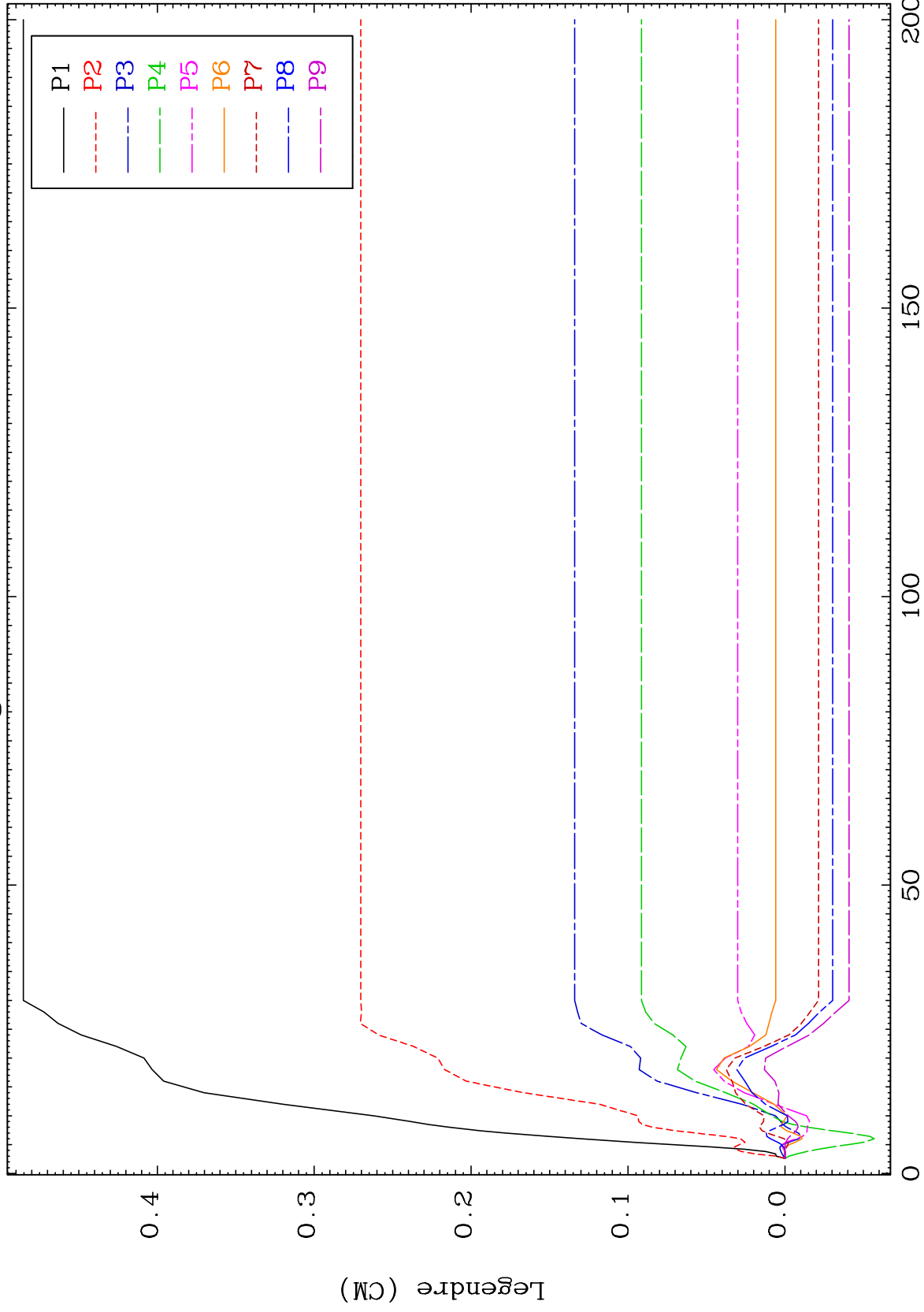


MAT 5843

MT= 74 (n,n') Level

58-Ce-142

Legendre Coefficients



105

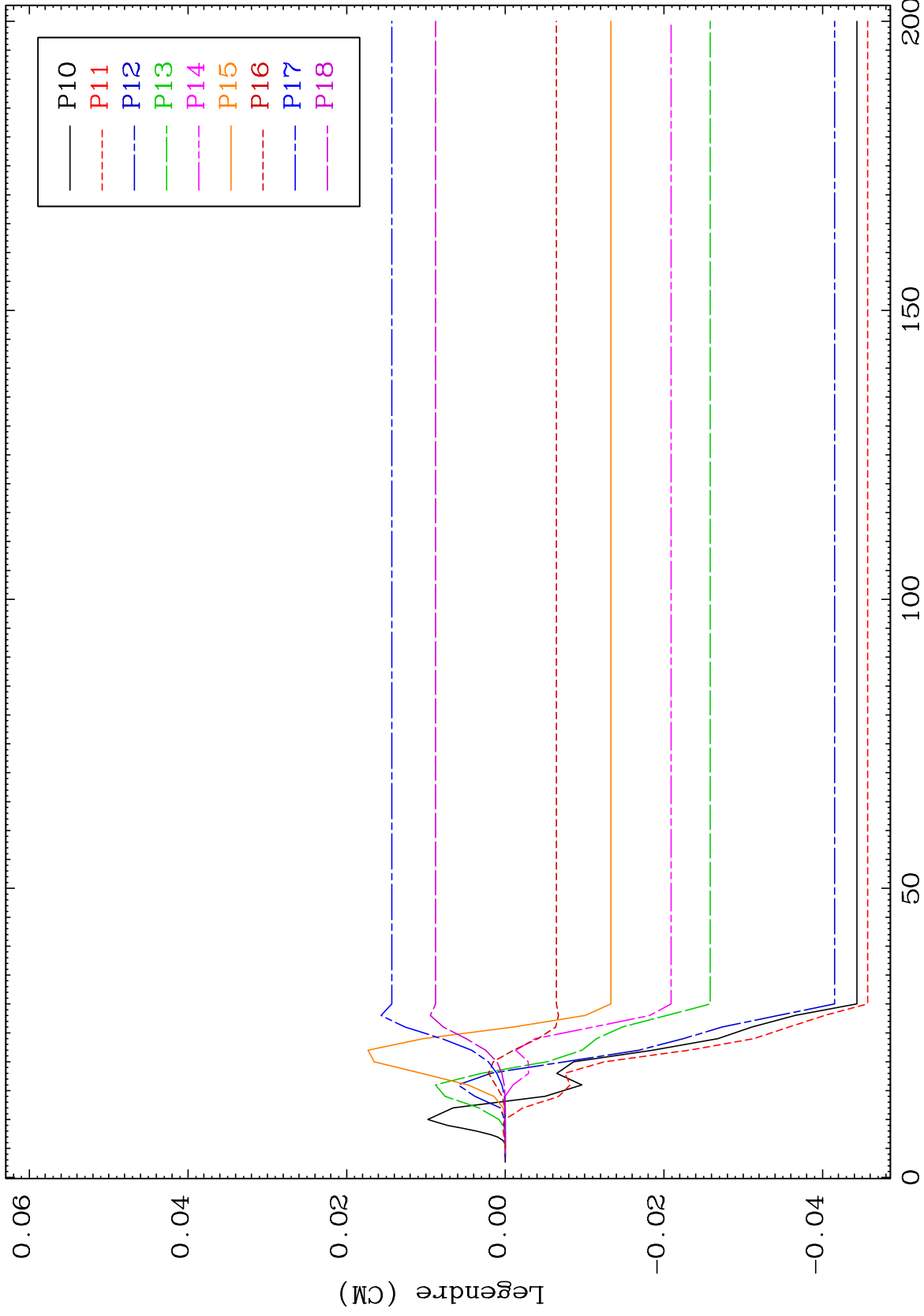
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



106

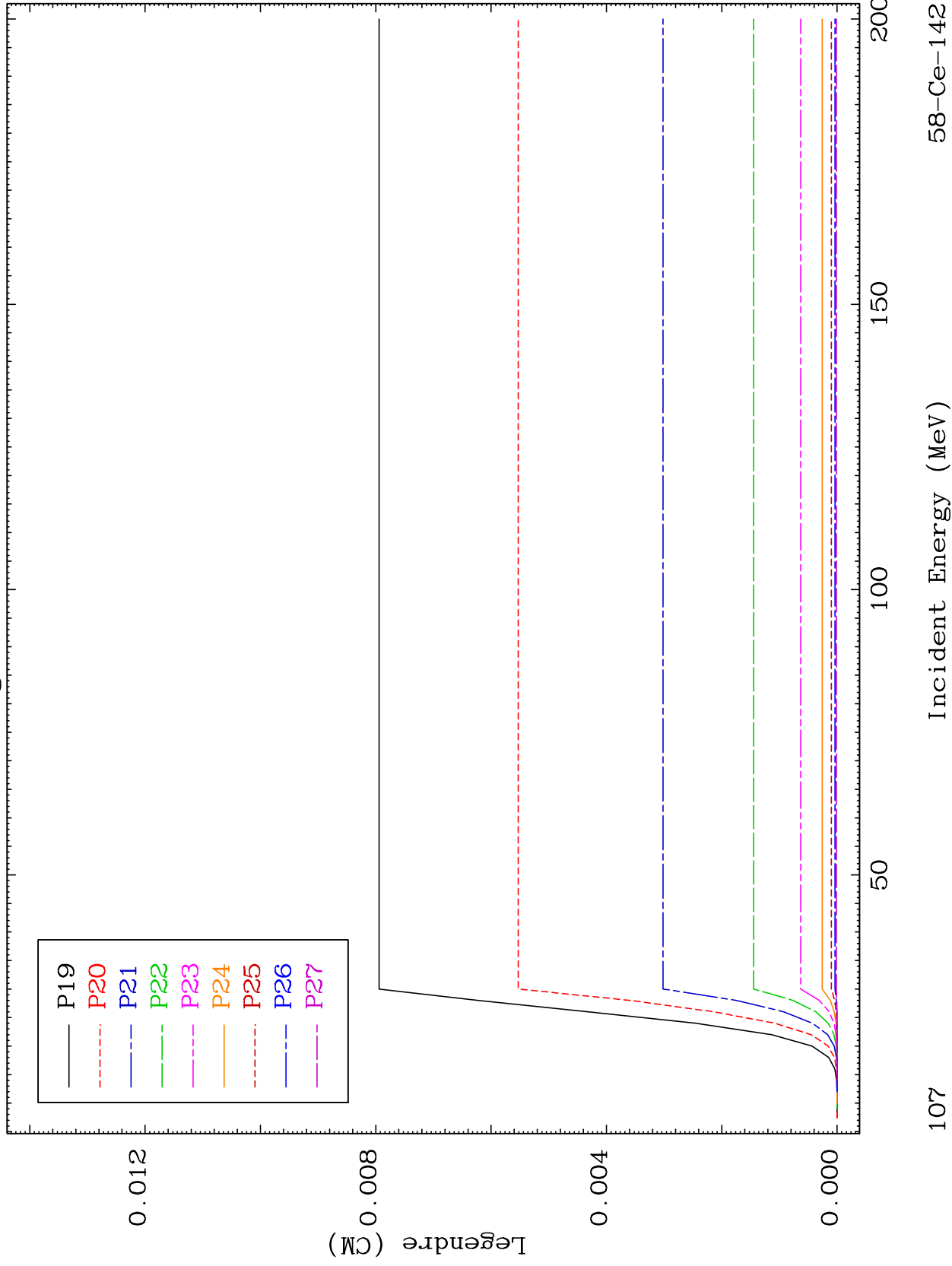
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



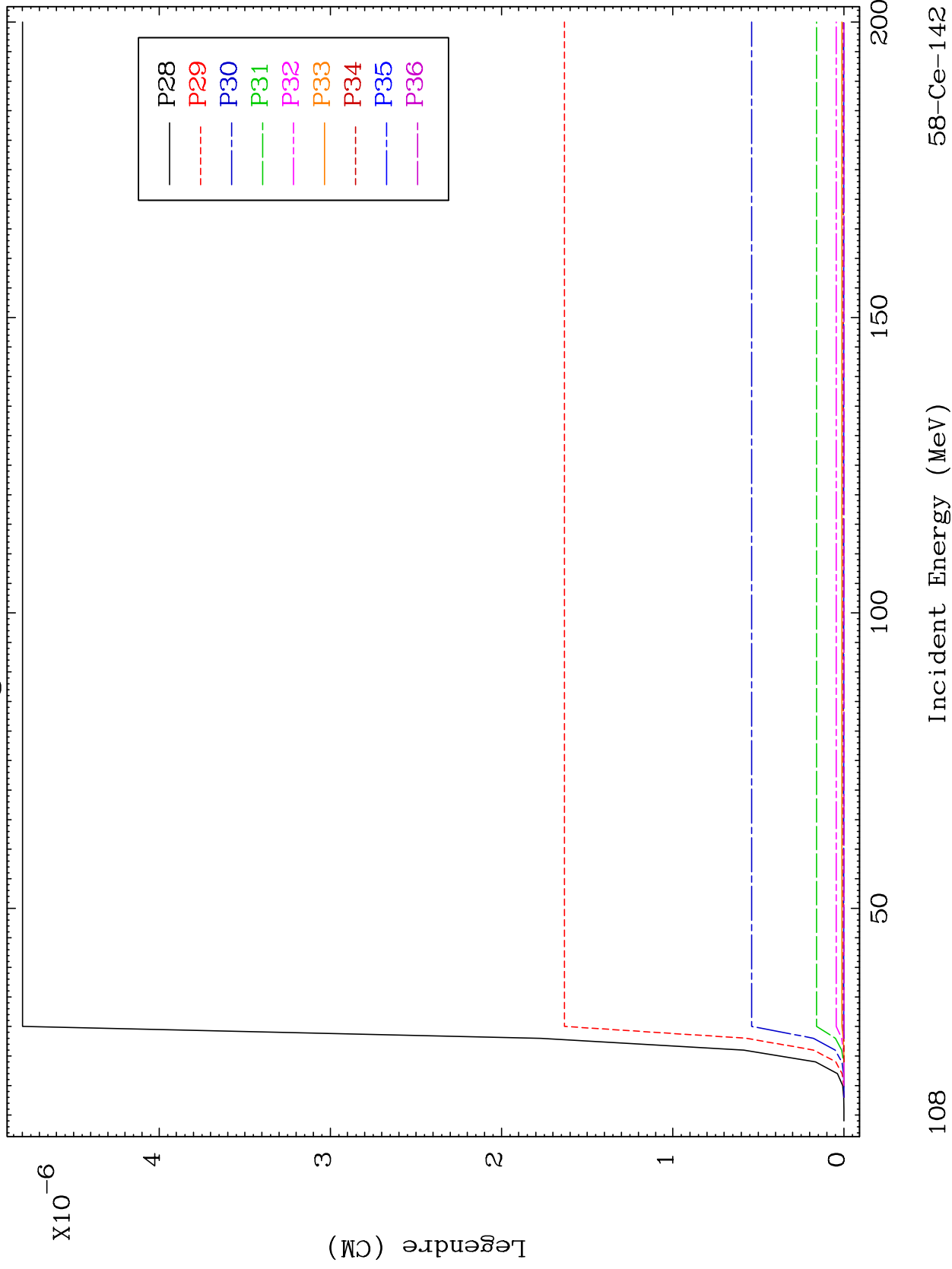
107

58-Ce-142

MAT 5843

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

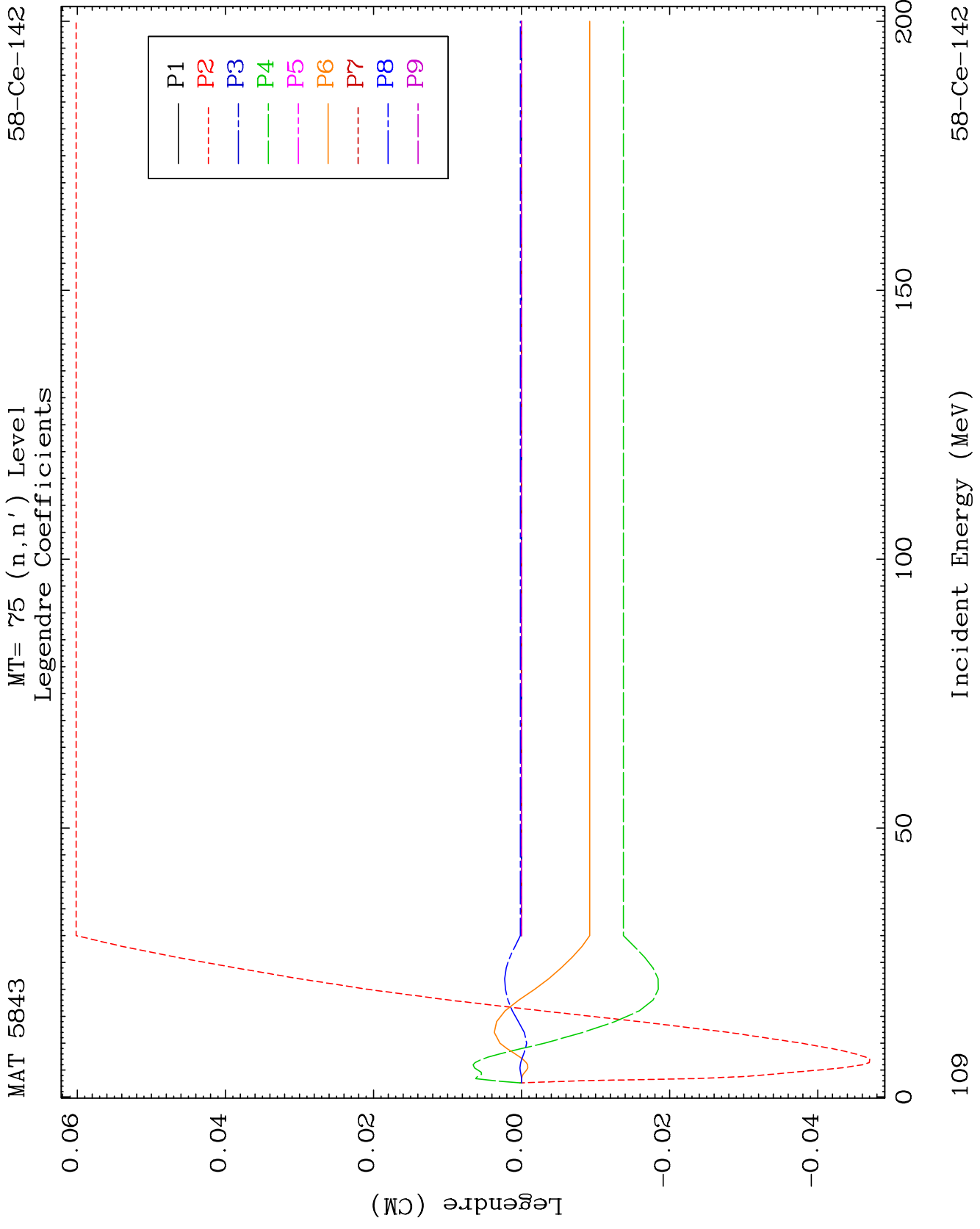
58-Ce-142



108

Incident Energy (MeV)

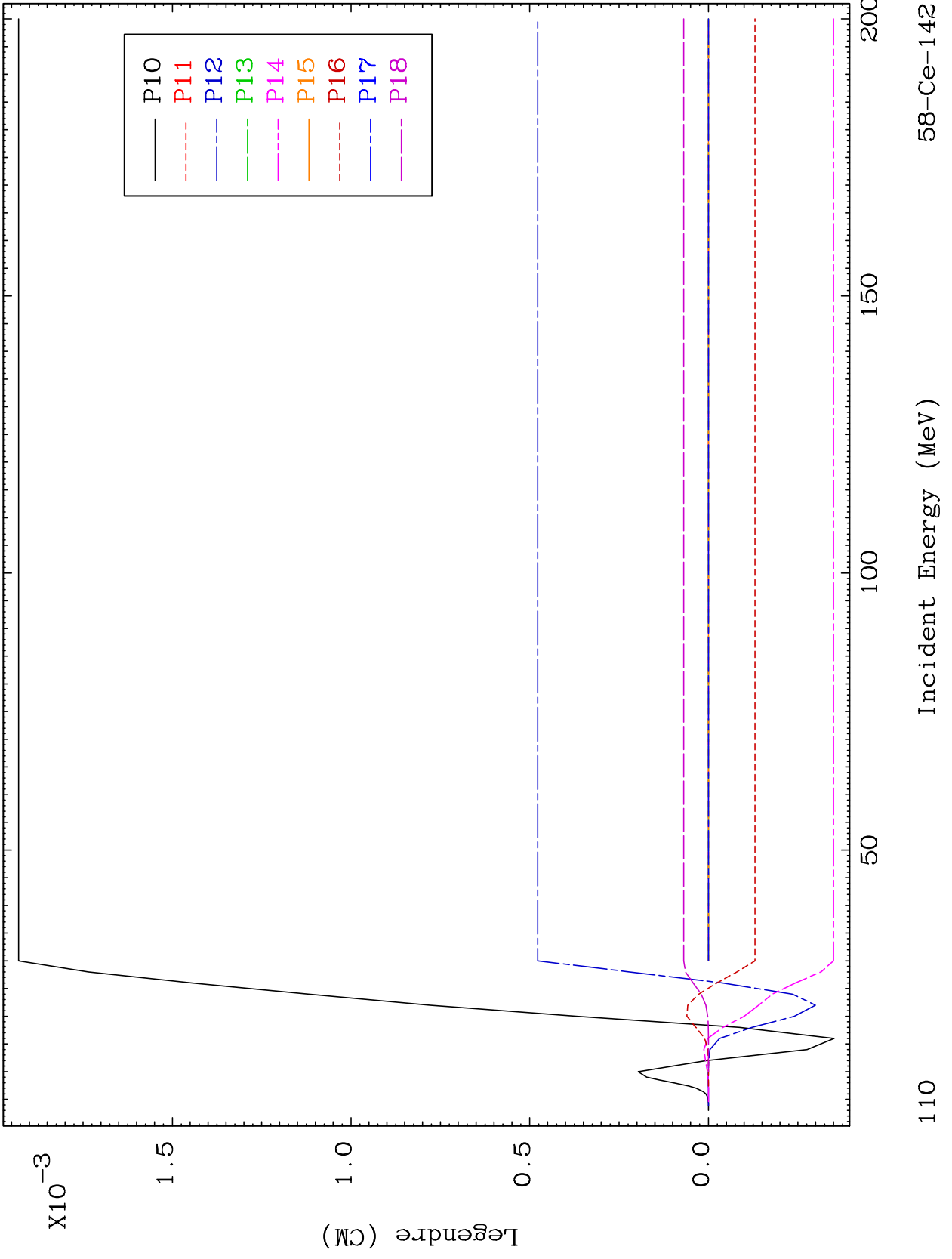
58-Ce-142



MAT 5843

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

58-Ce-142



110

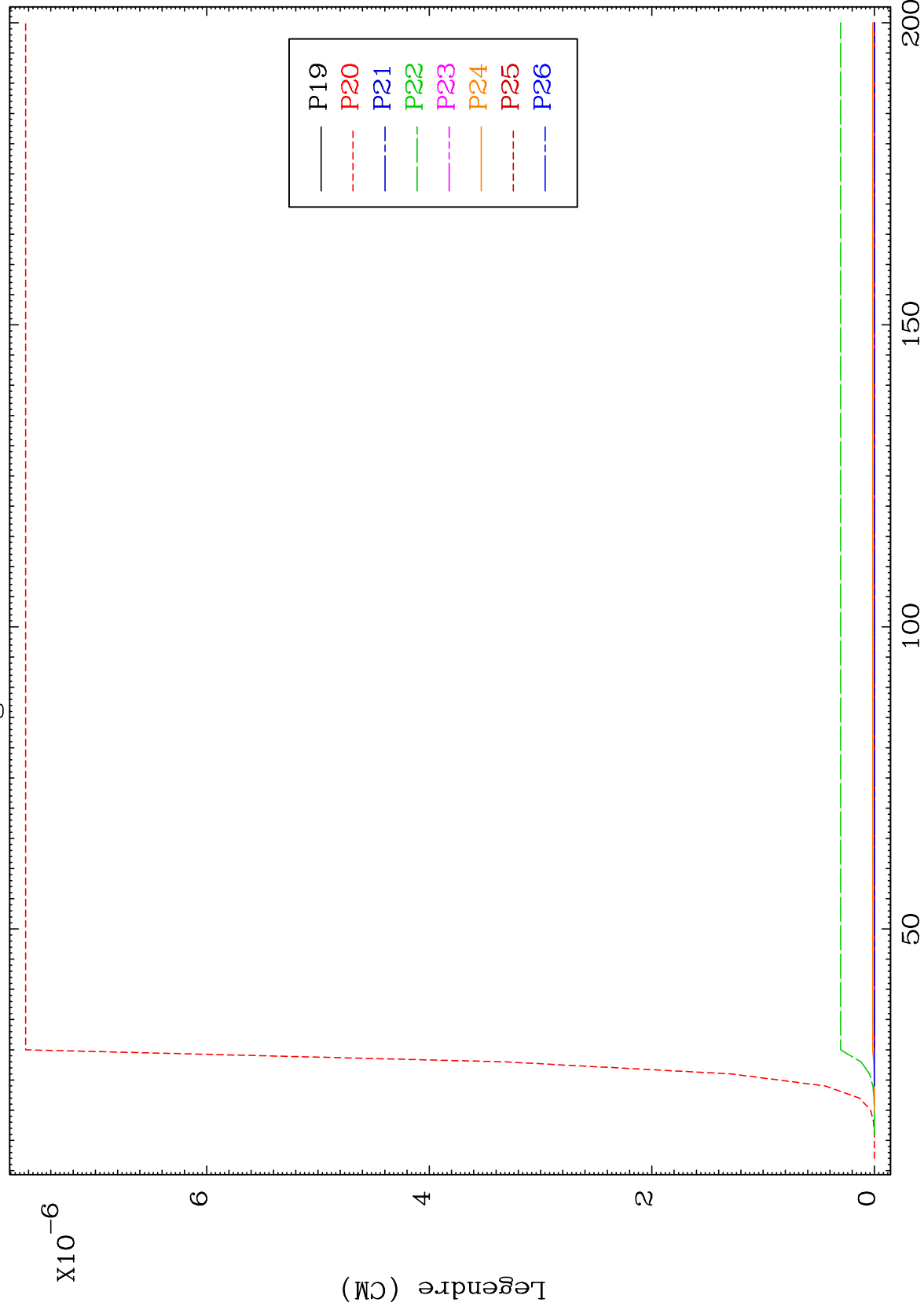
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

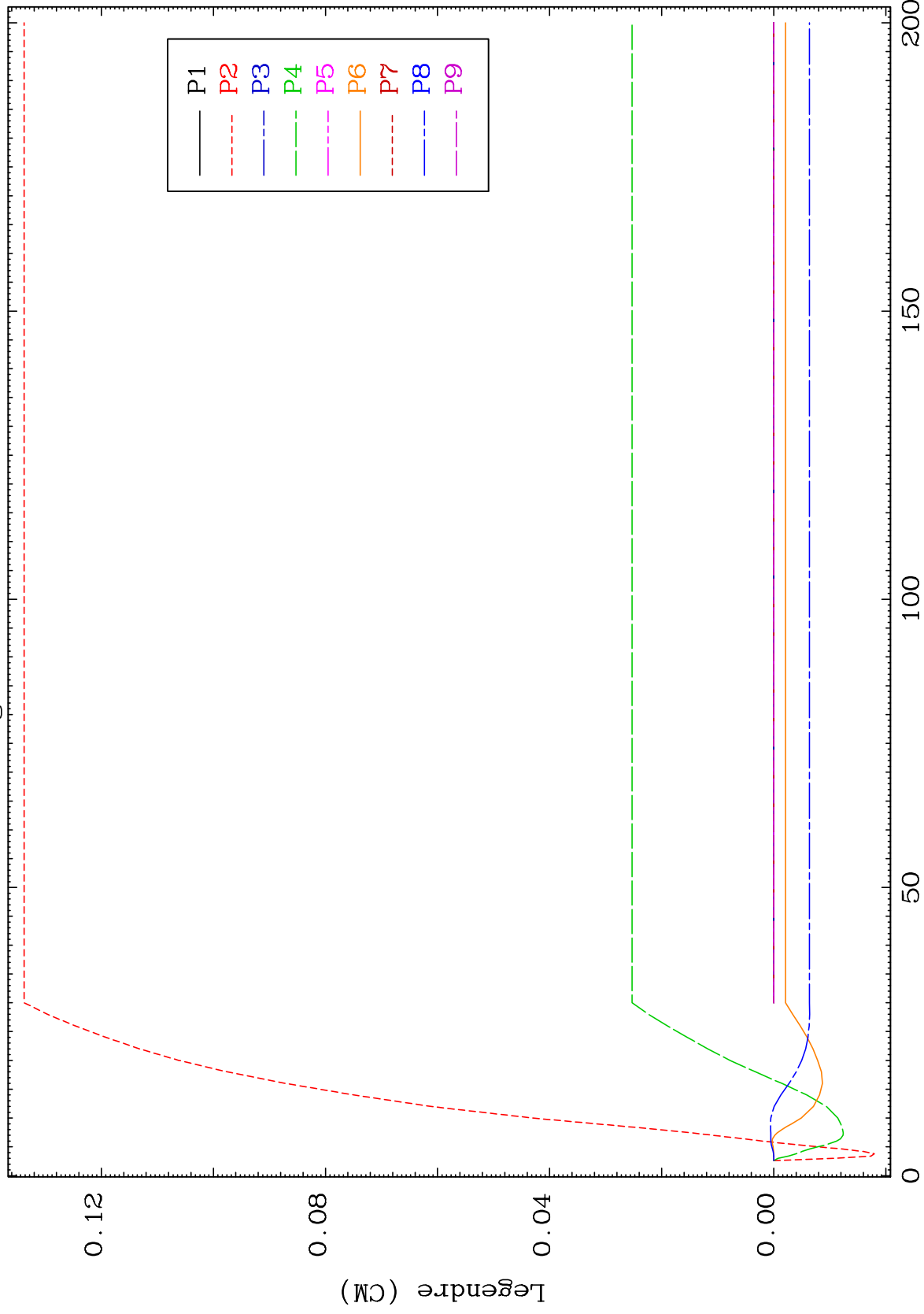
Incident Energy (MeV)

111

MAT 5843

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

58-Ce-142



58-Ce-142

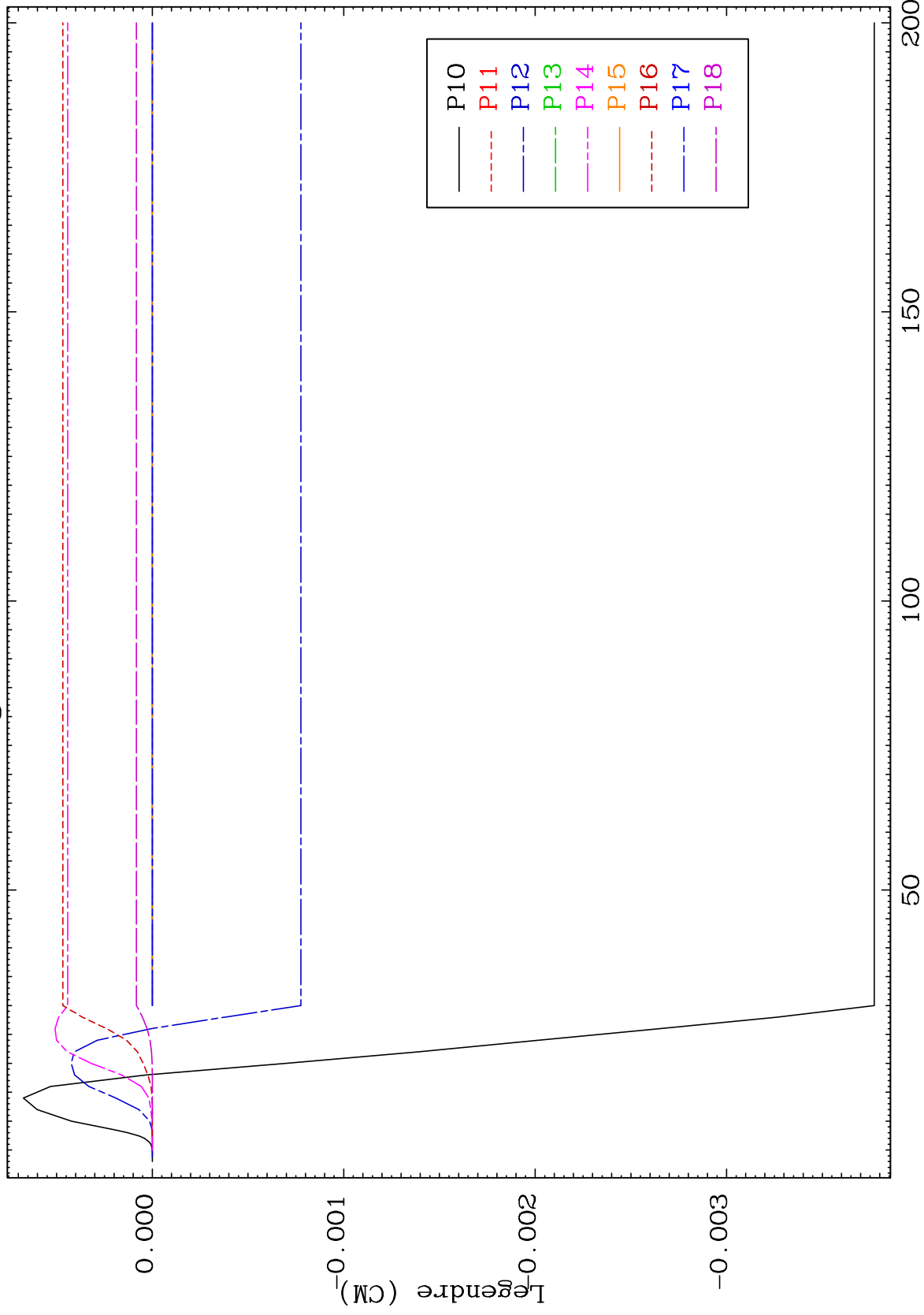
Incident Energy (MeV)

112

MAT 5843

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

58-Ce-142



113

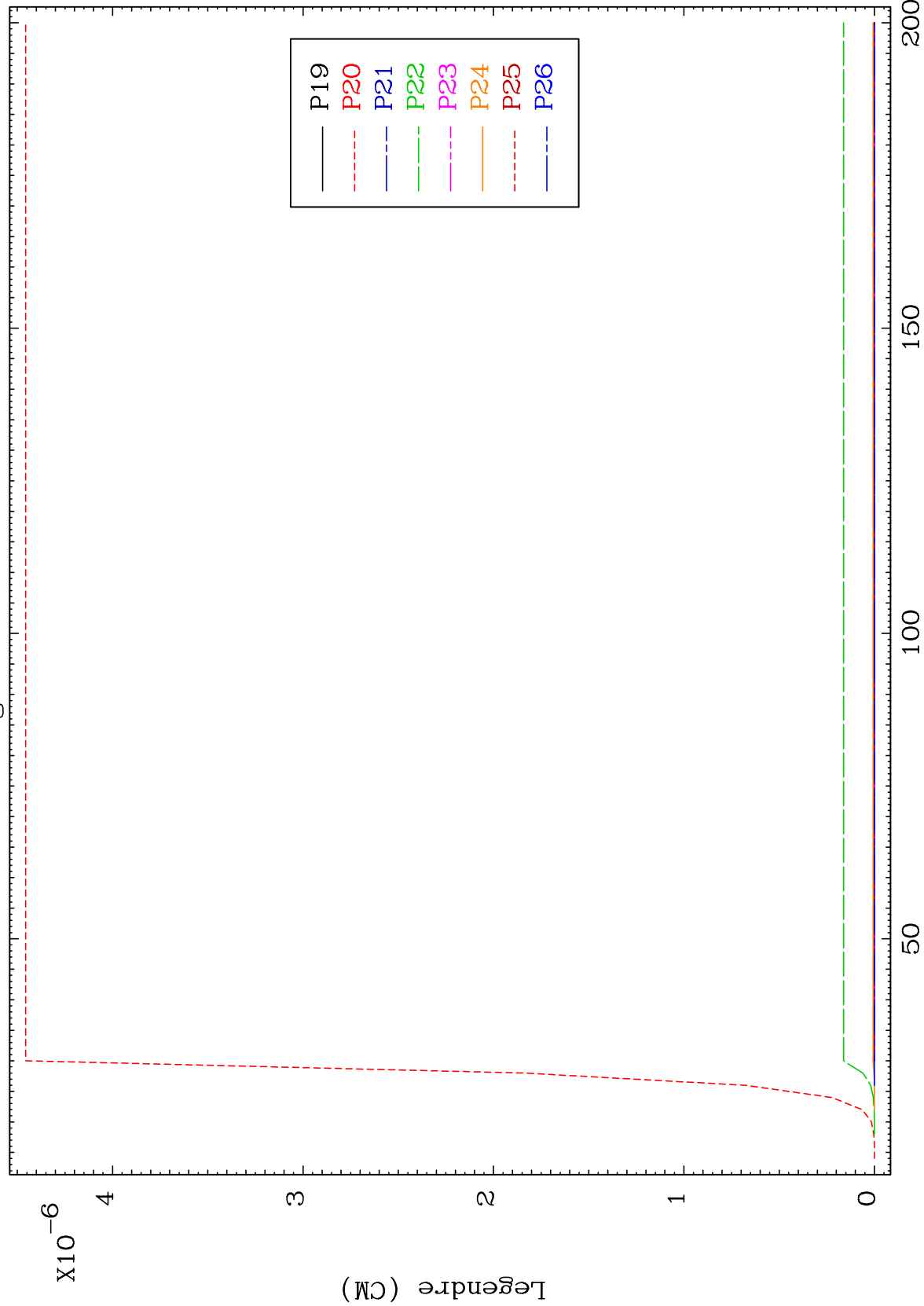
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



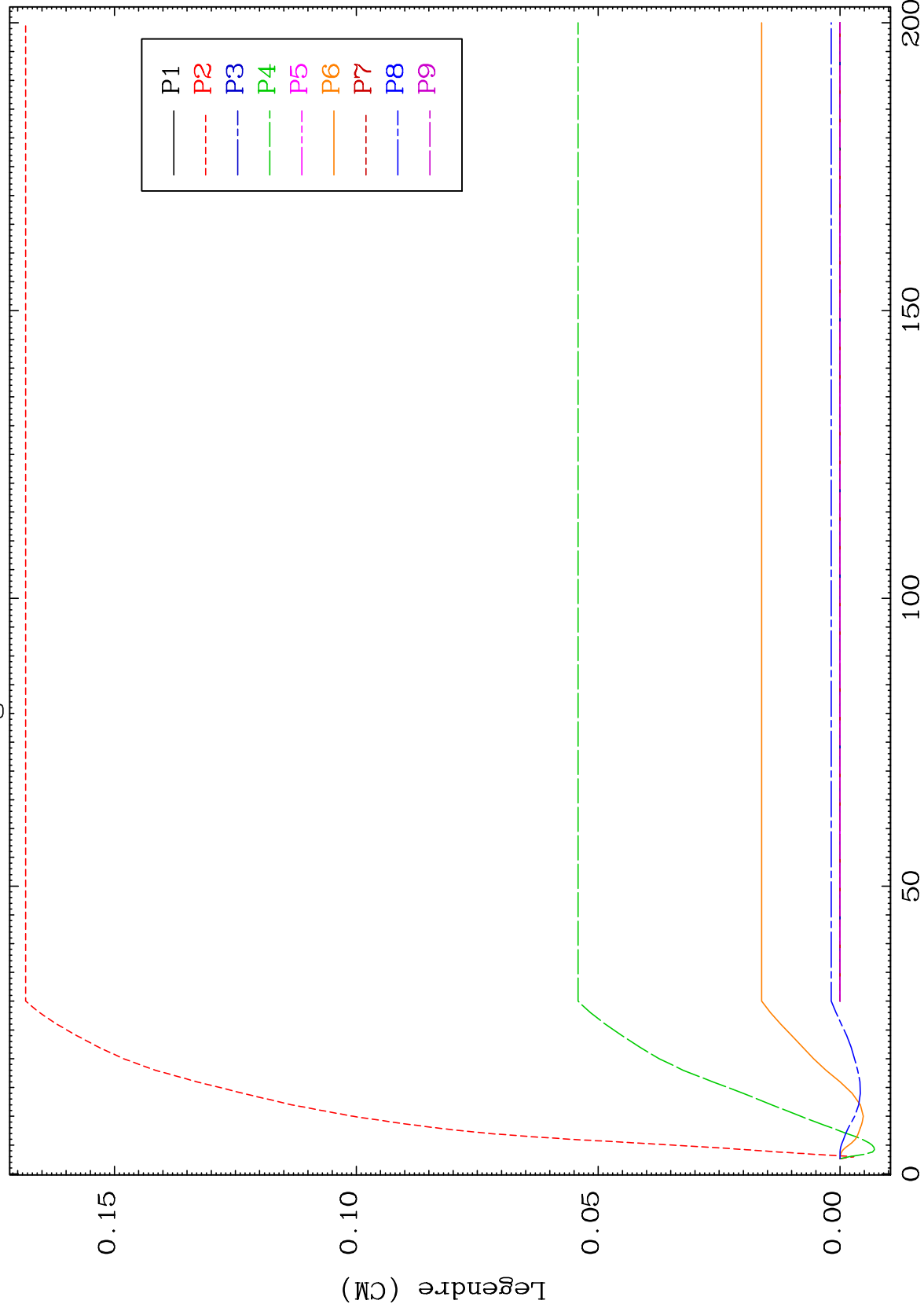
114

58-Ce-142

MAT 5843

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

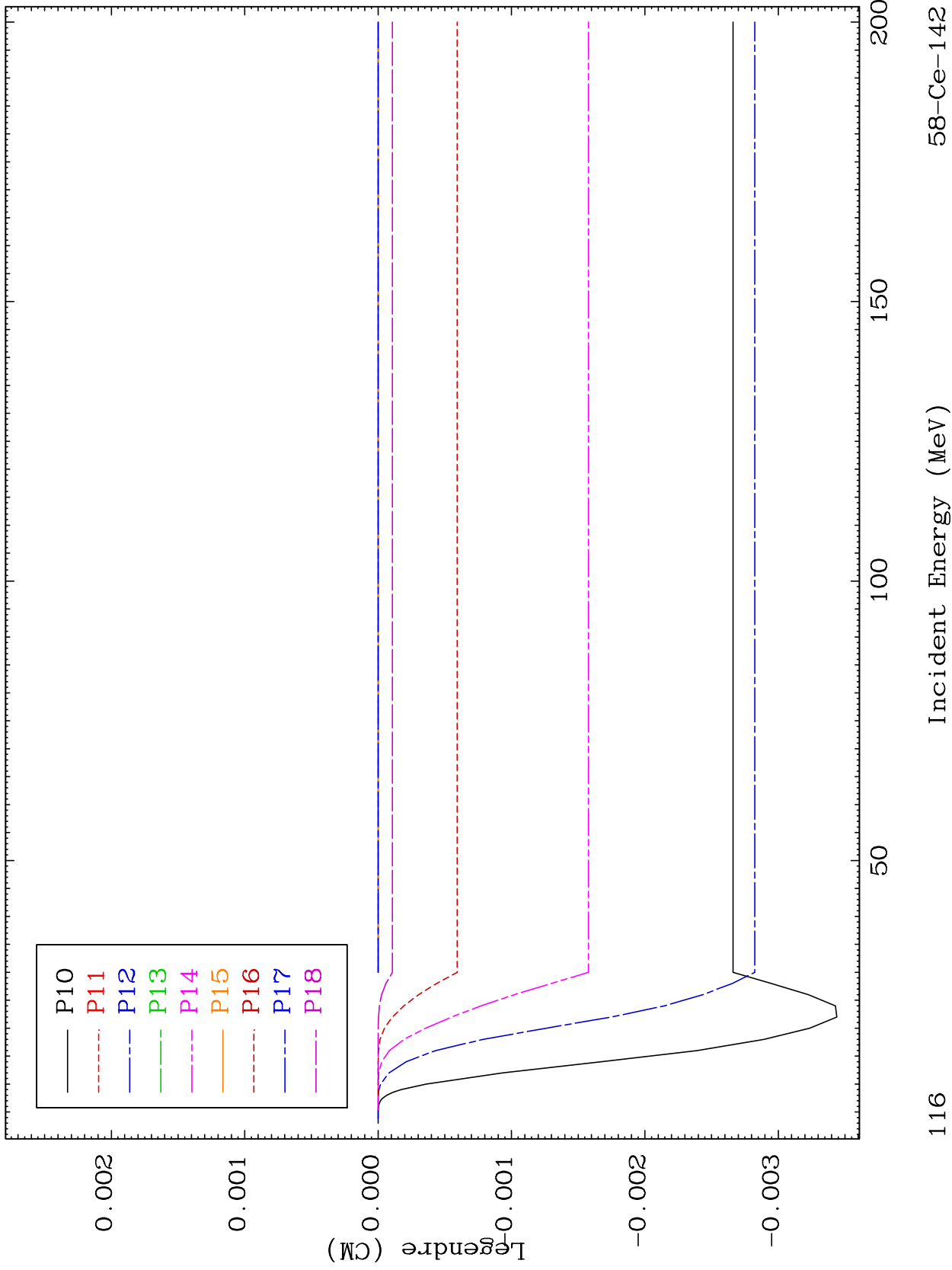
58-Ce-142



58-Ce-142

Incident Energy (MeV)

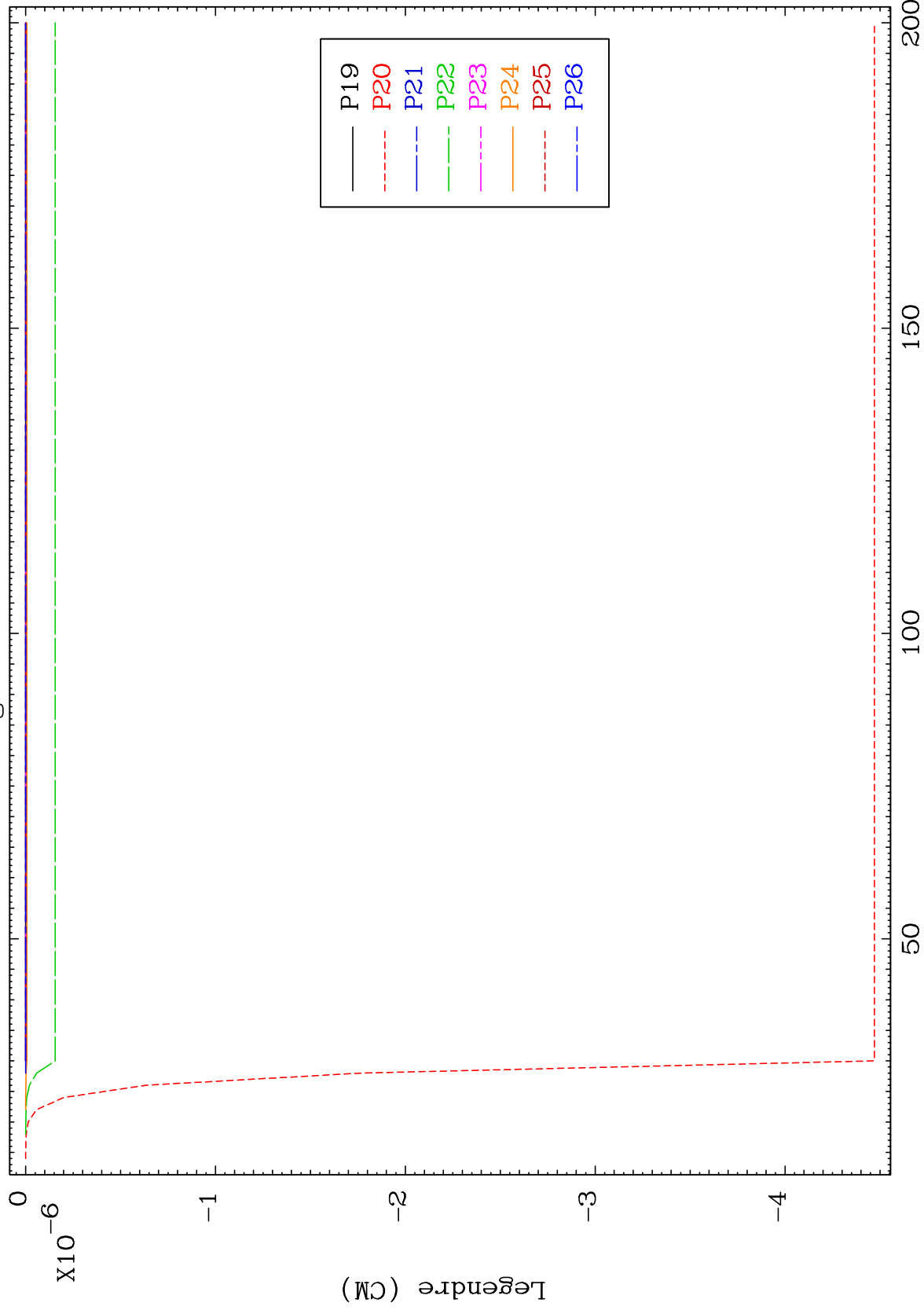
115



MAT 5843

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

58-Ce-142



117

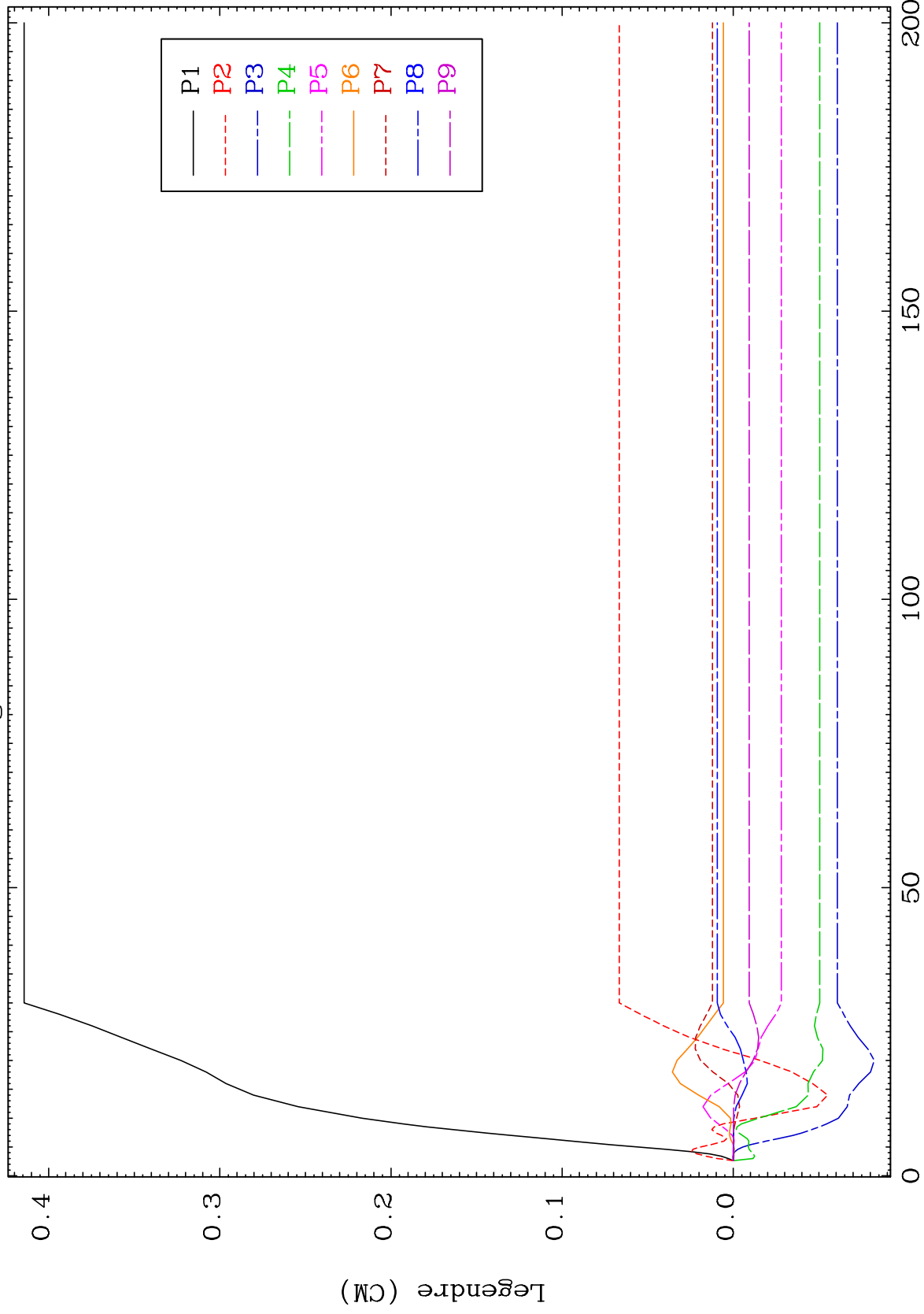
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



118

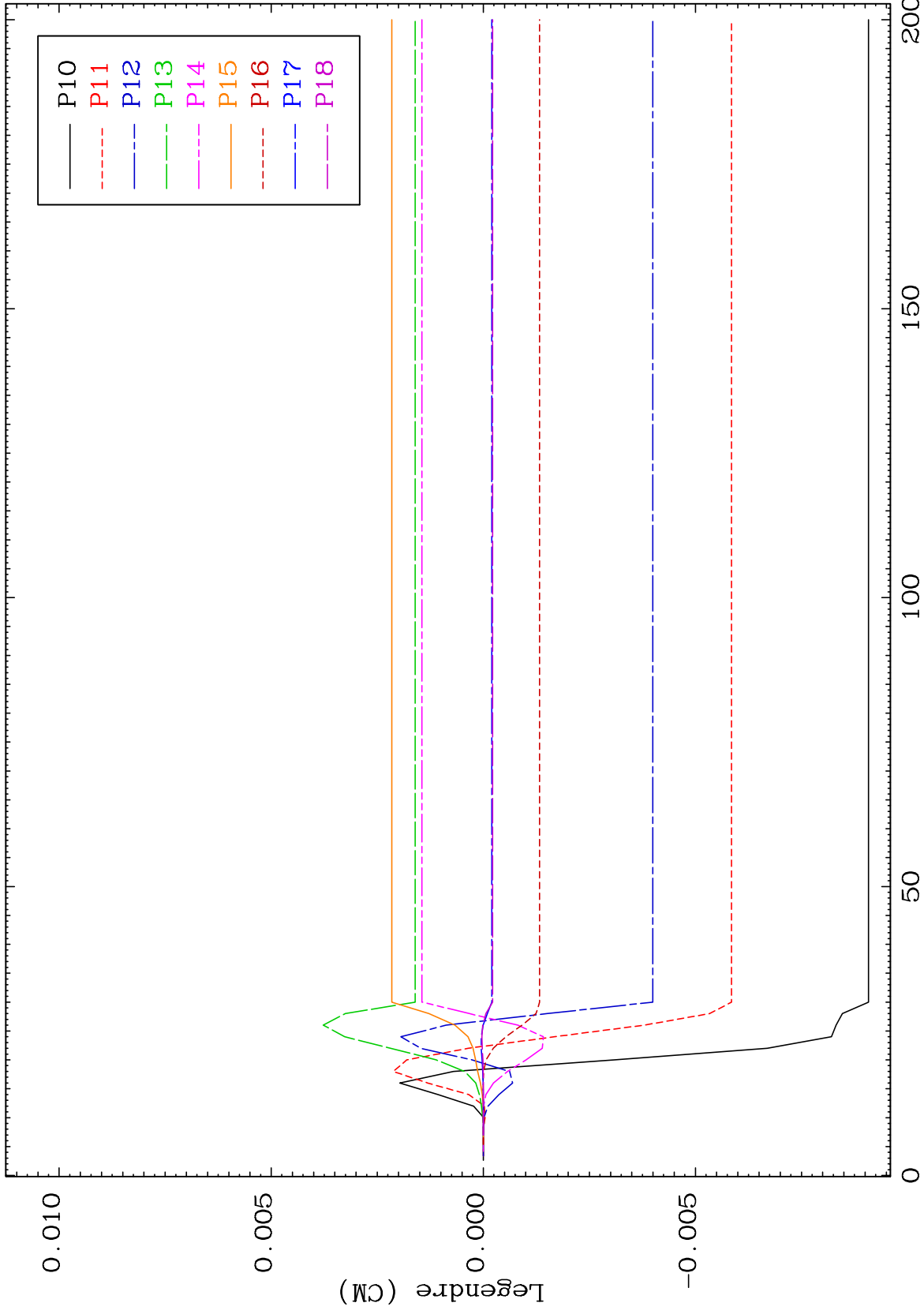
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



119

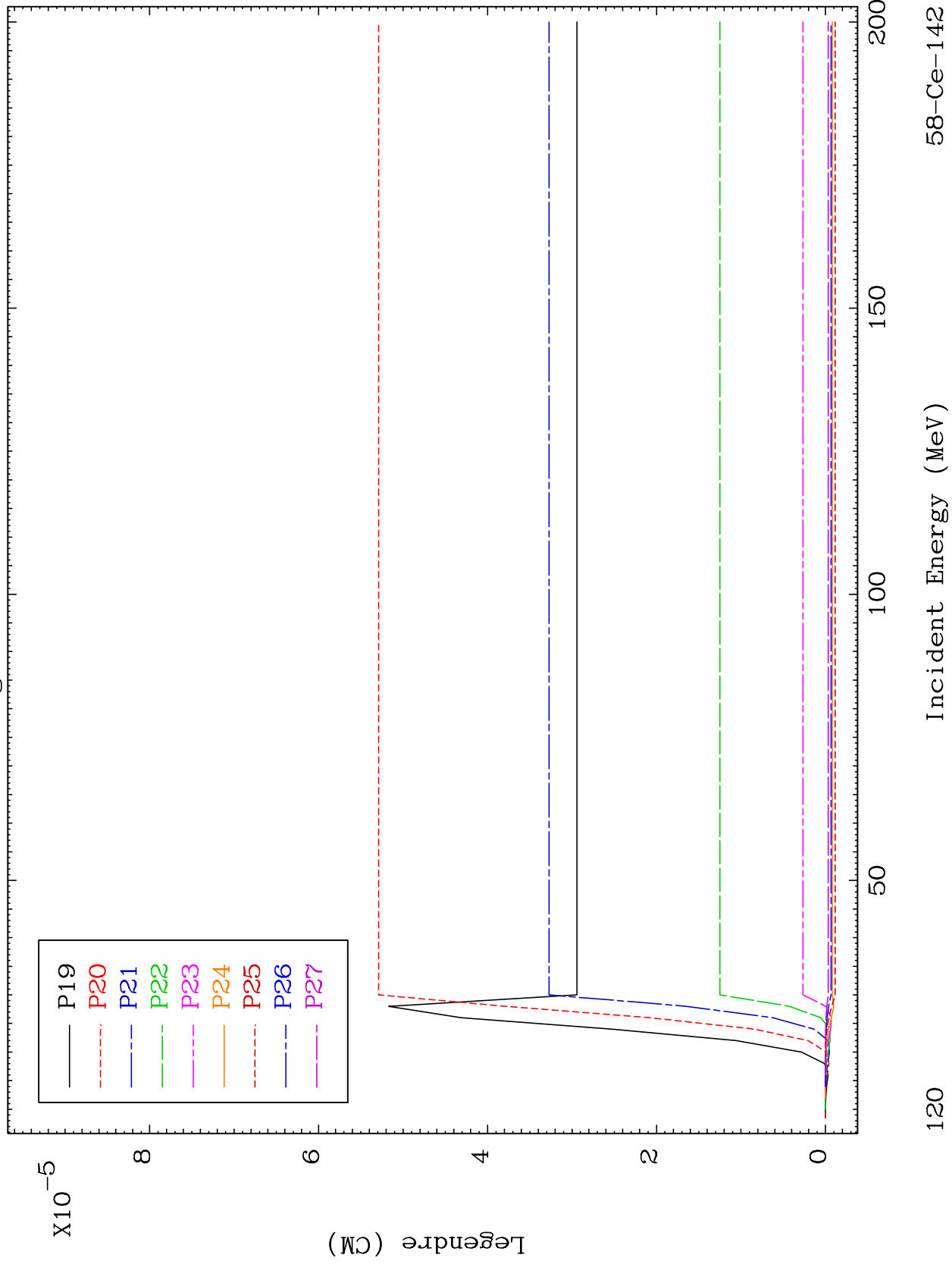
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142

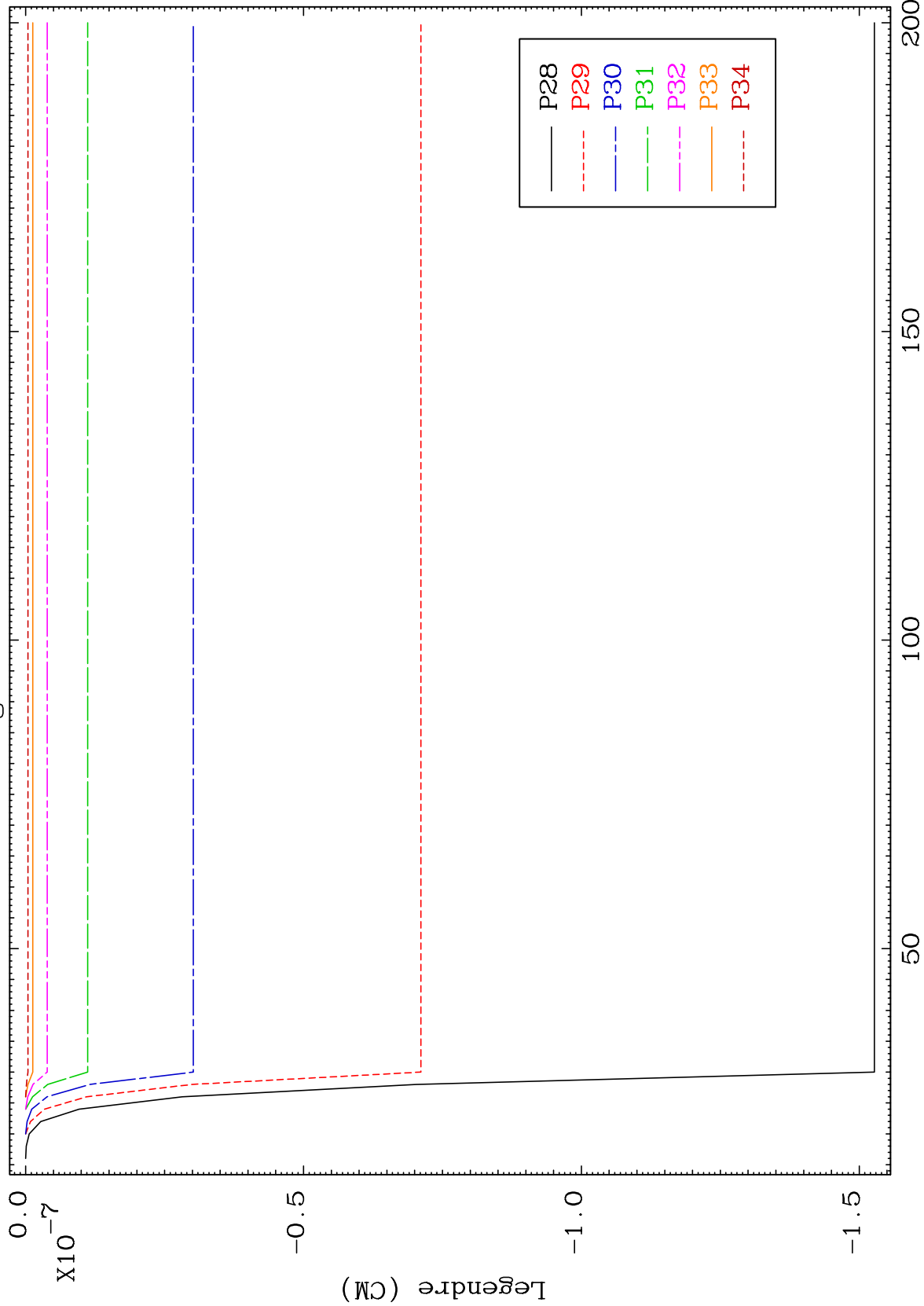


MAT 5843

MT= 78 (n,n') Level

58-Ce-142

Legendre Coefficients



58-Ce-142

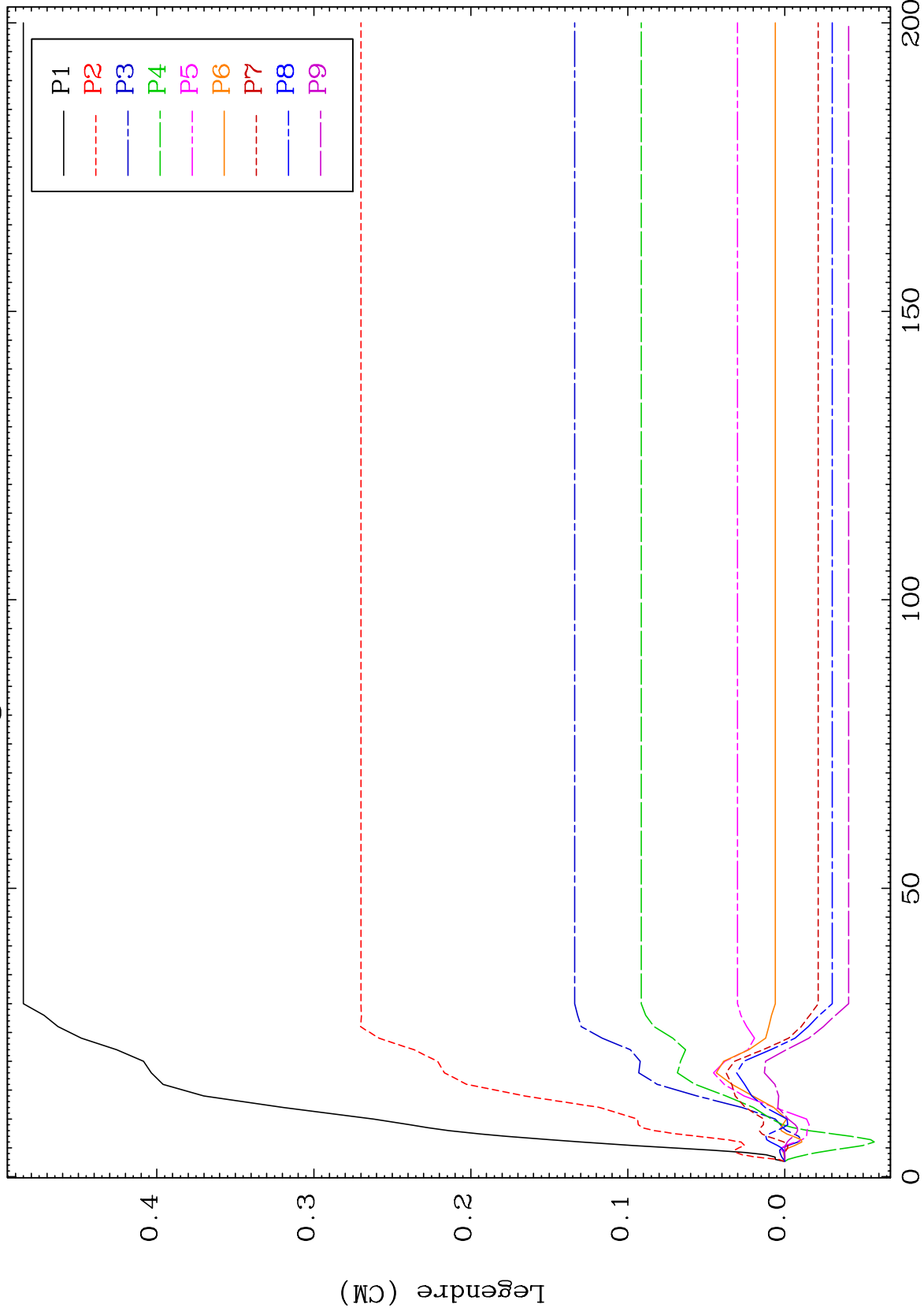
Incident Energy (MeV)

121

MAT 5843

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

58-Ce-142



122

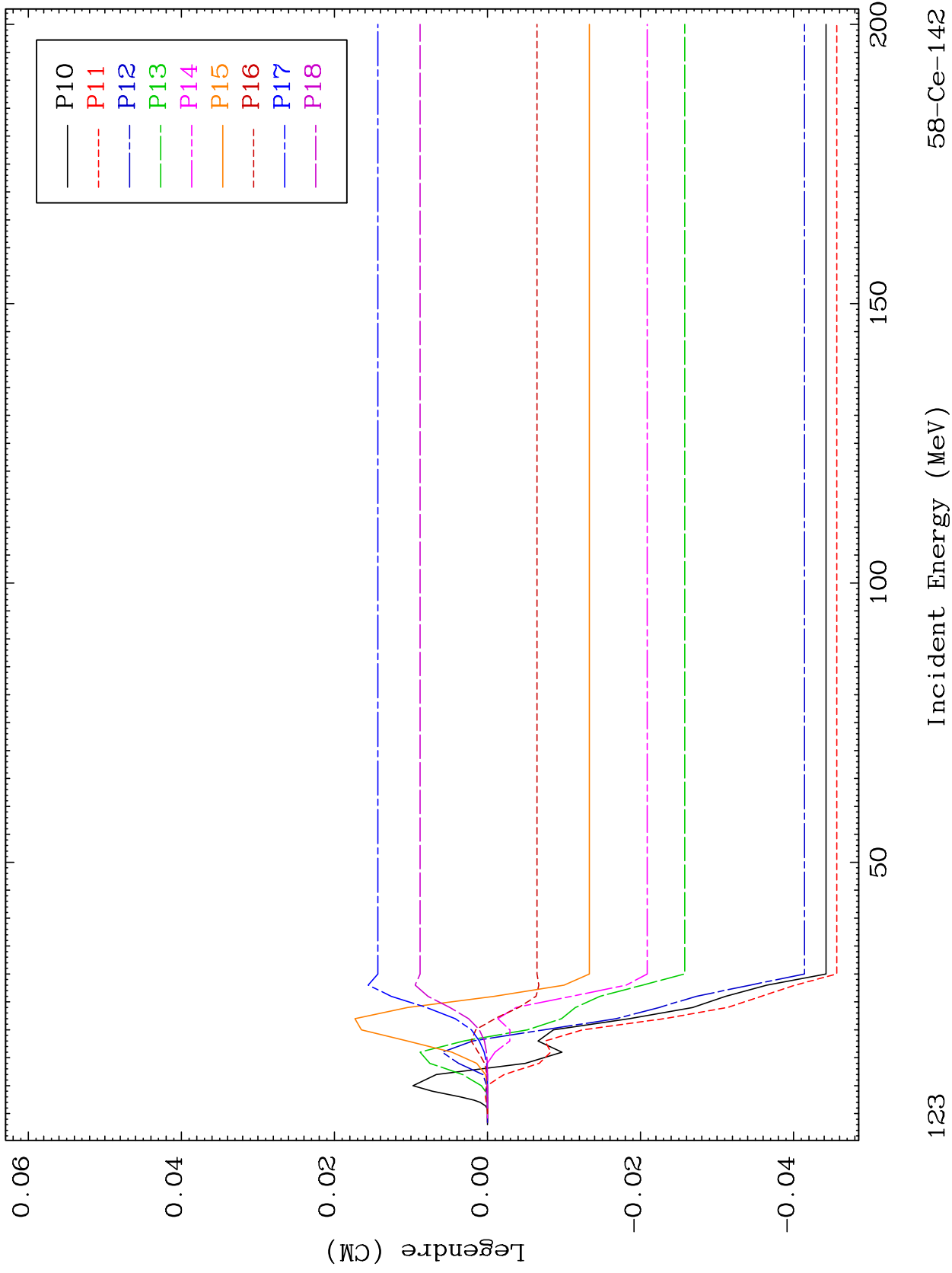
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



123

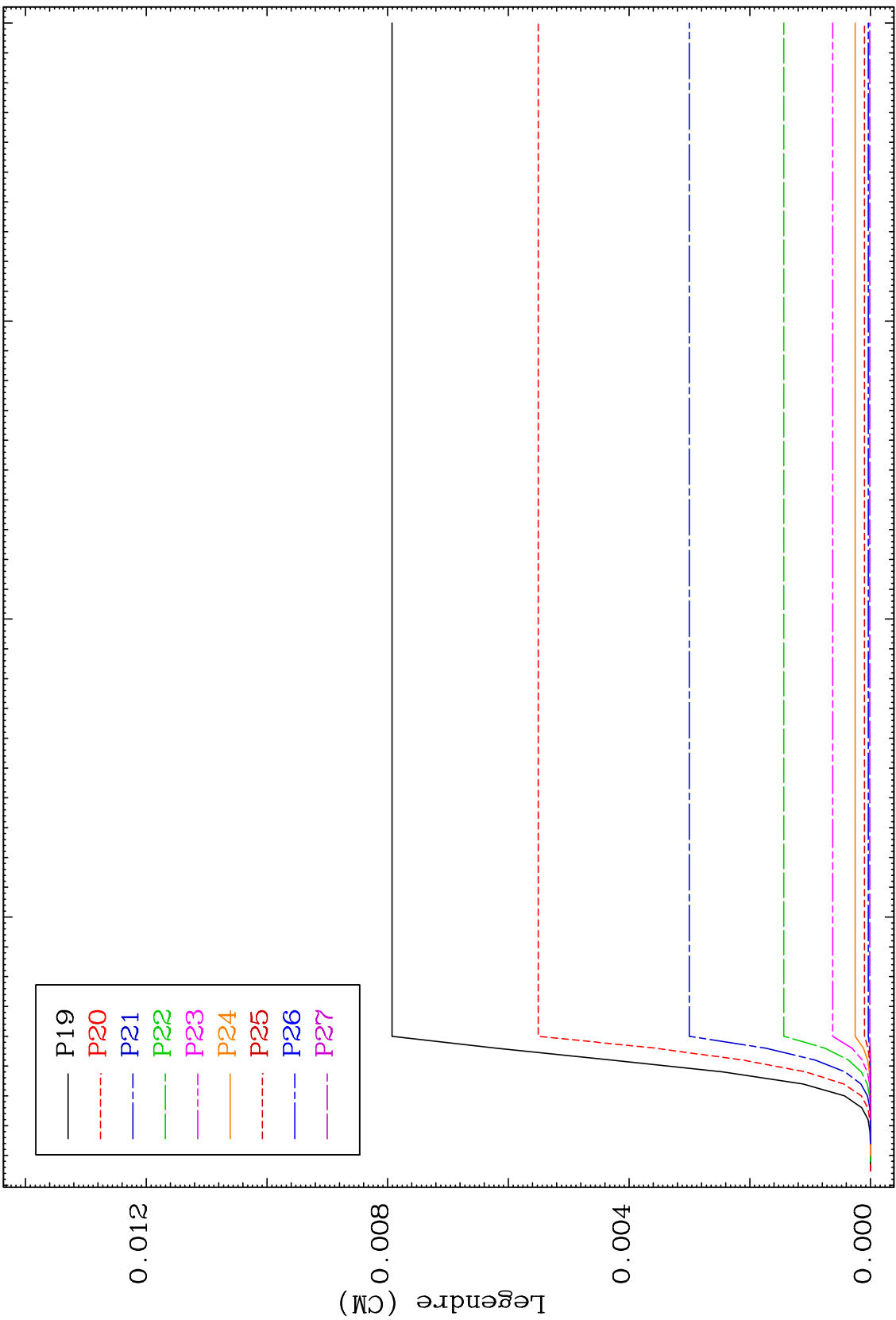
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



124

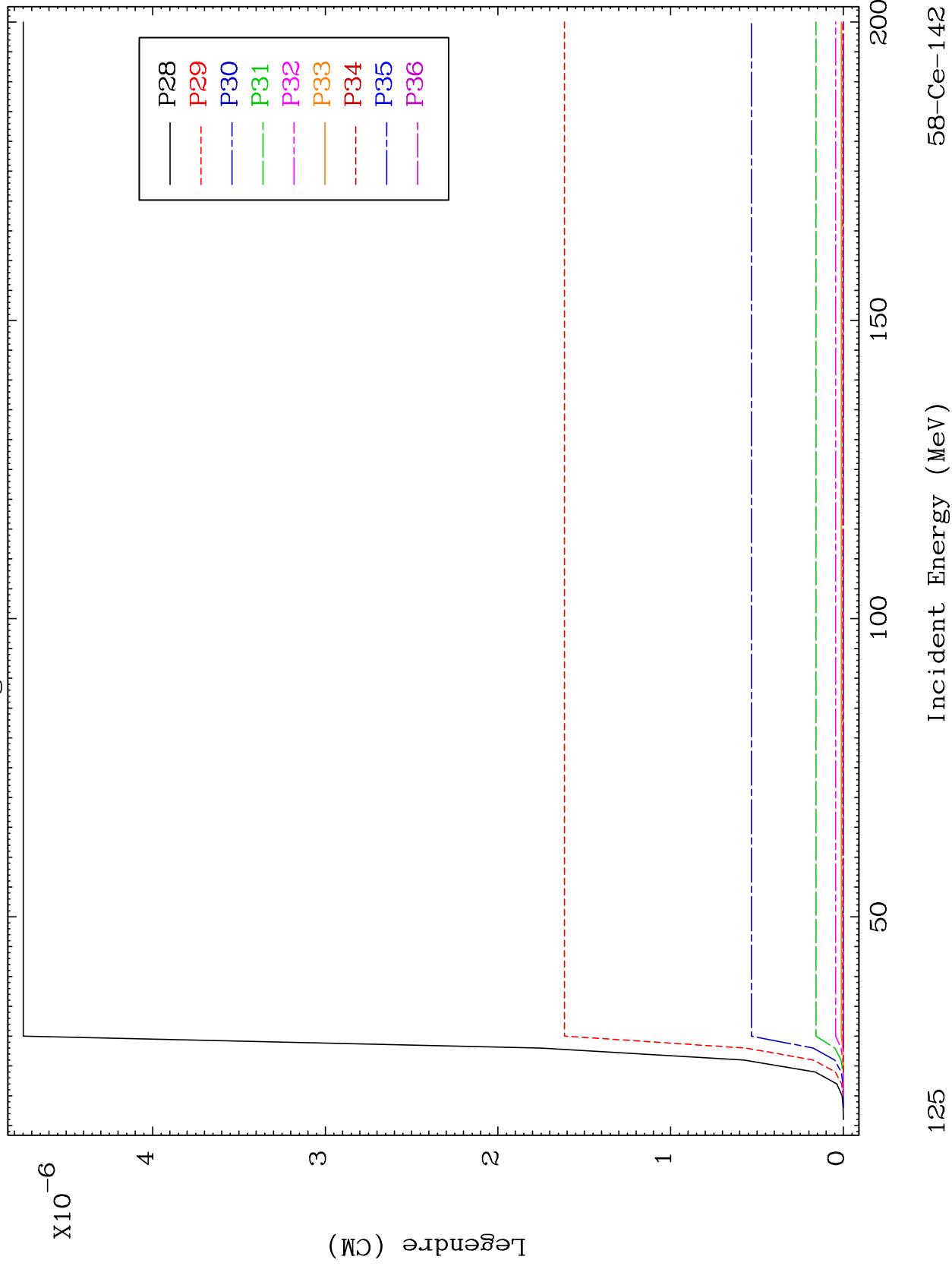
Incident Energy (MeV)

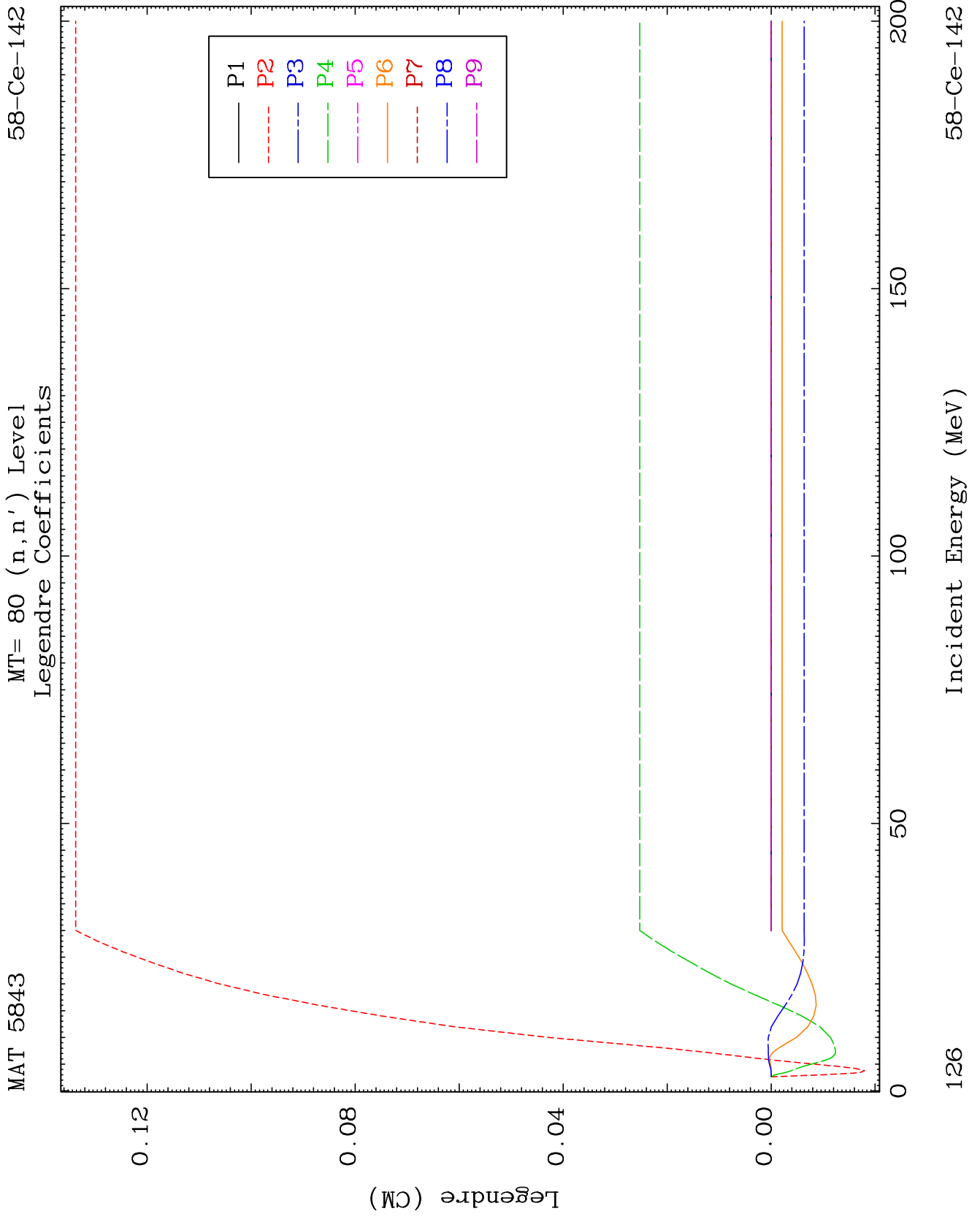
58-Ce-142

MAT 5843

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

58-Ce-142

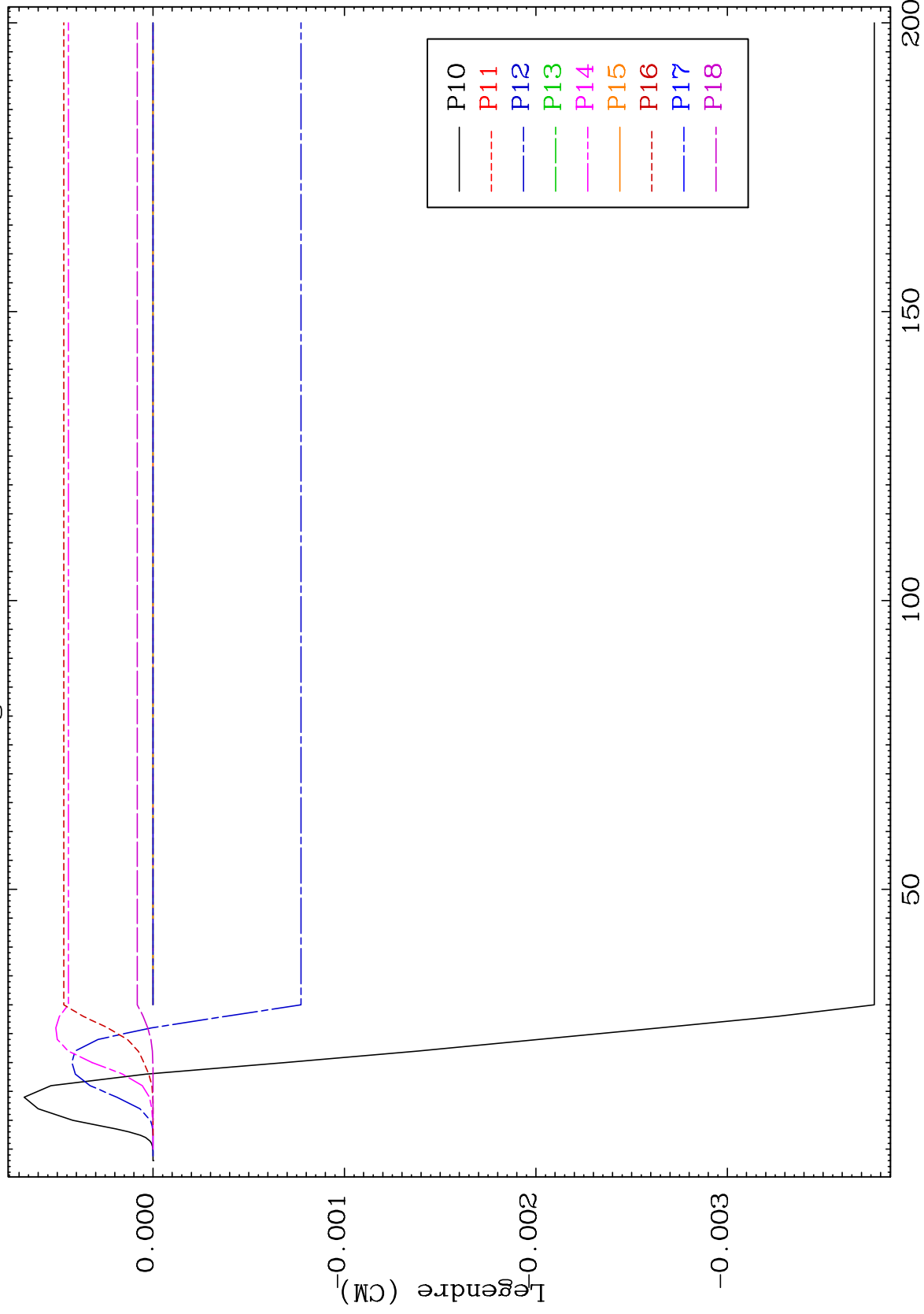




MAT 5843

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

58-Ce-142



127

Incident Energy (MeV)

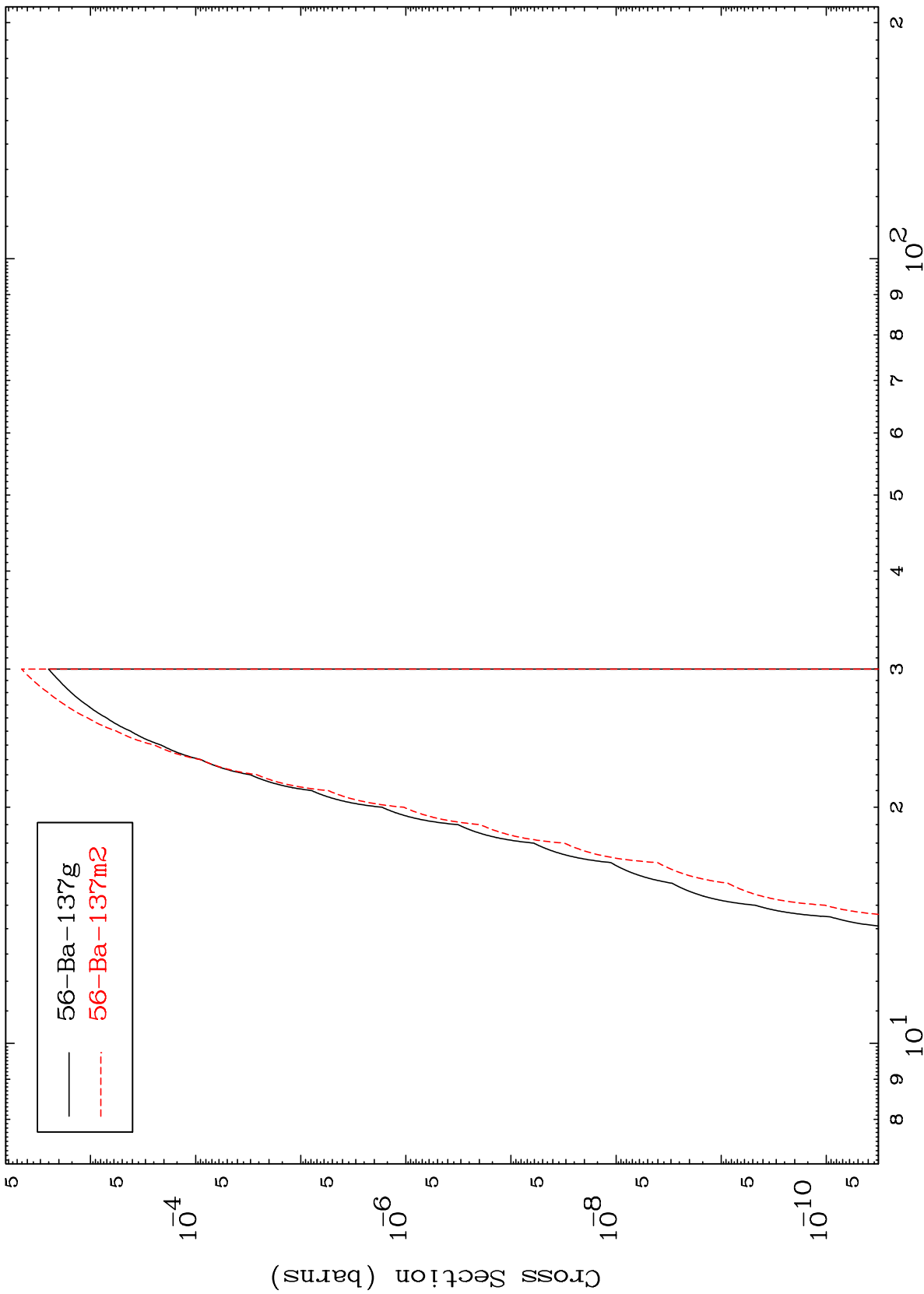
58-Ce-142

MAT 5843

(n,2n) α

58-Ce-142

Radionuclide Production Cross Section



129

Incident Energy (MeV)

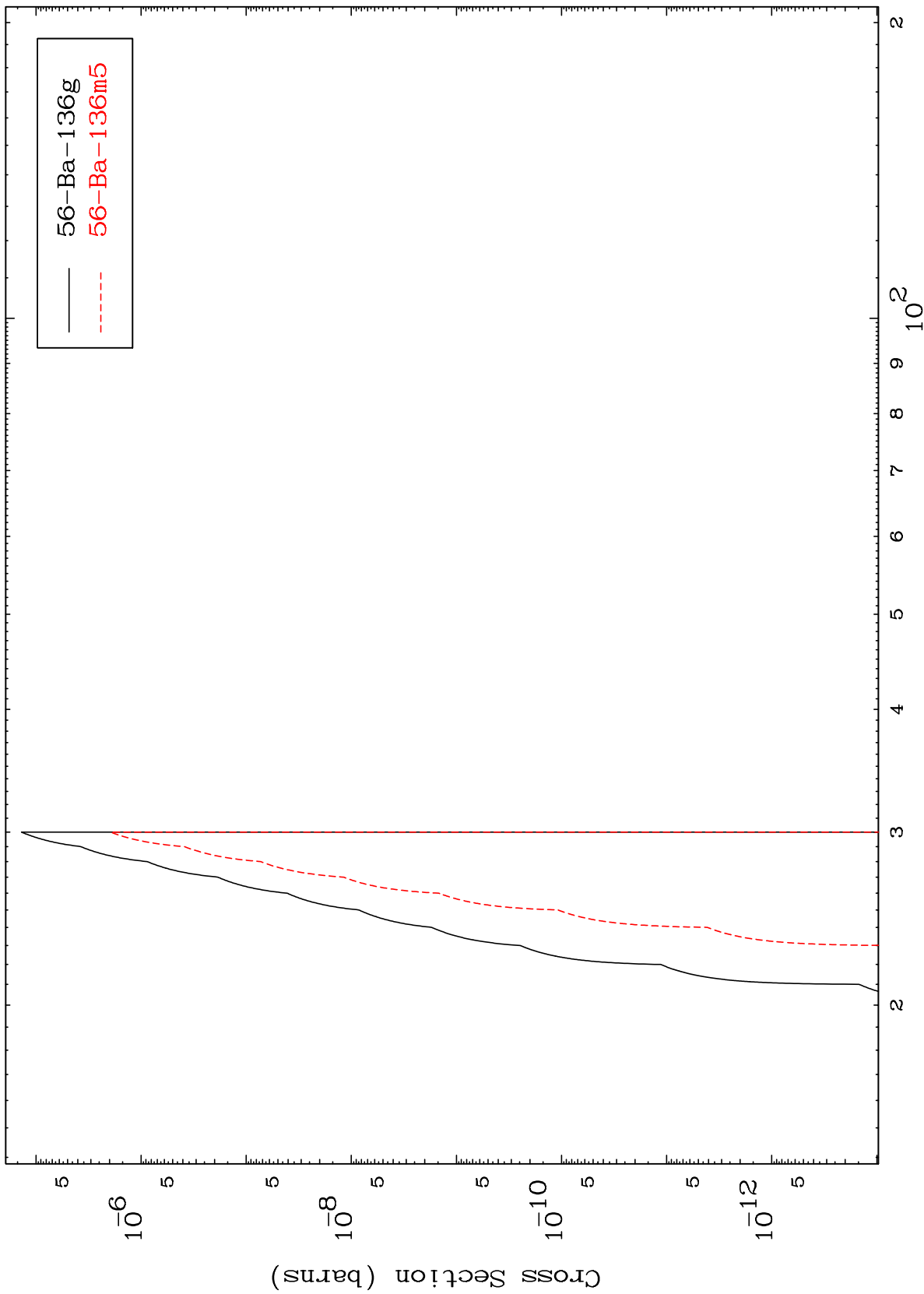
58-Ce-142

MAT 5843

(n,3n) α

58-Ce-142

Radionuclide Production Cross Section



130

Incident Energy (MeV)

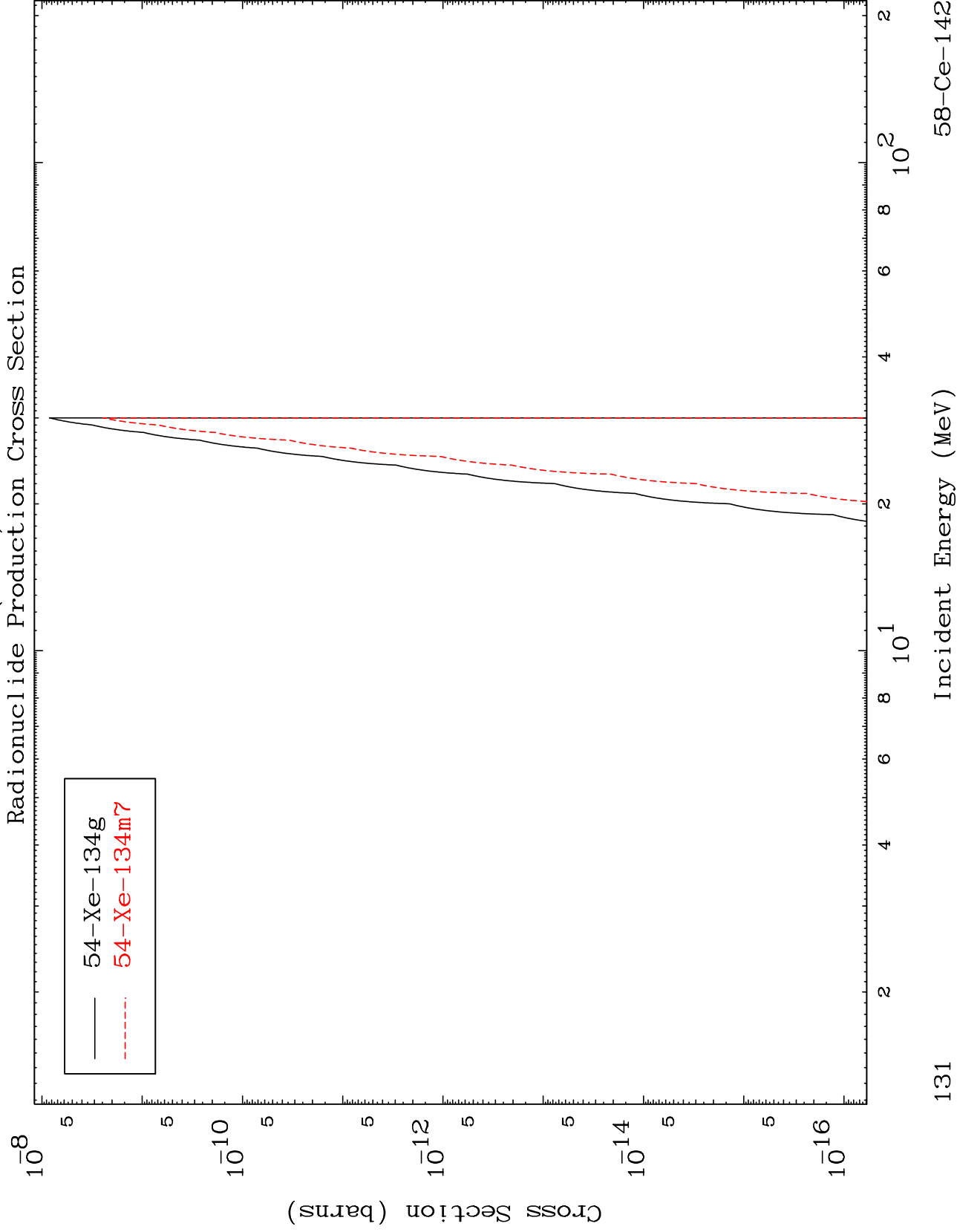
58-Ce-142

MAT 5843

(n,n') 2 α

58-Ce-142

Radionuclide Production Cross Section



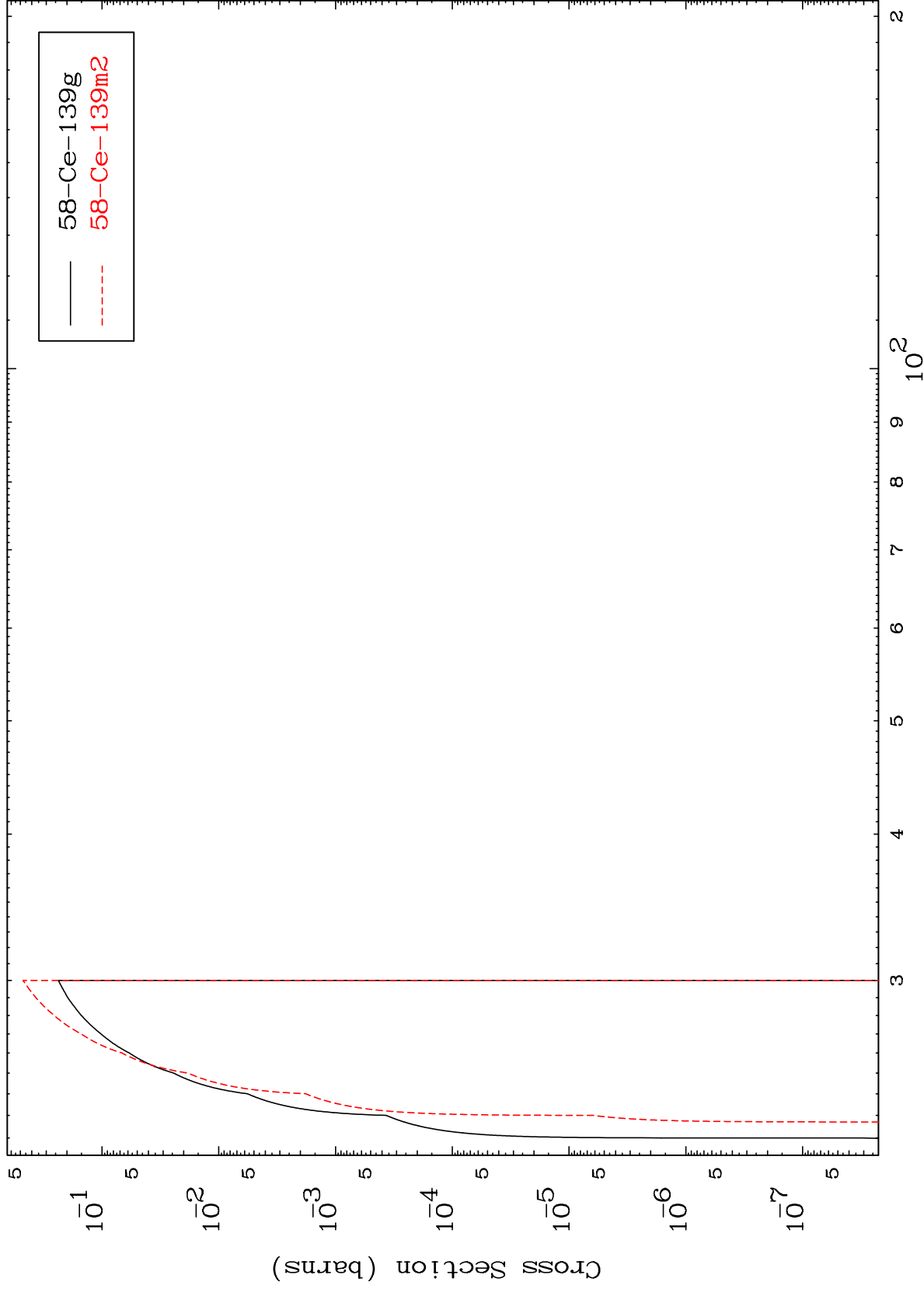
131

MAT 5843

(n,4n)

58-Ce-142

Radionuclide Production Cross Section



132

Incident Energy (MeV)

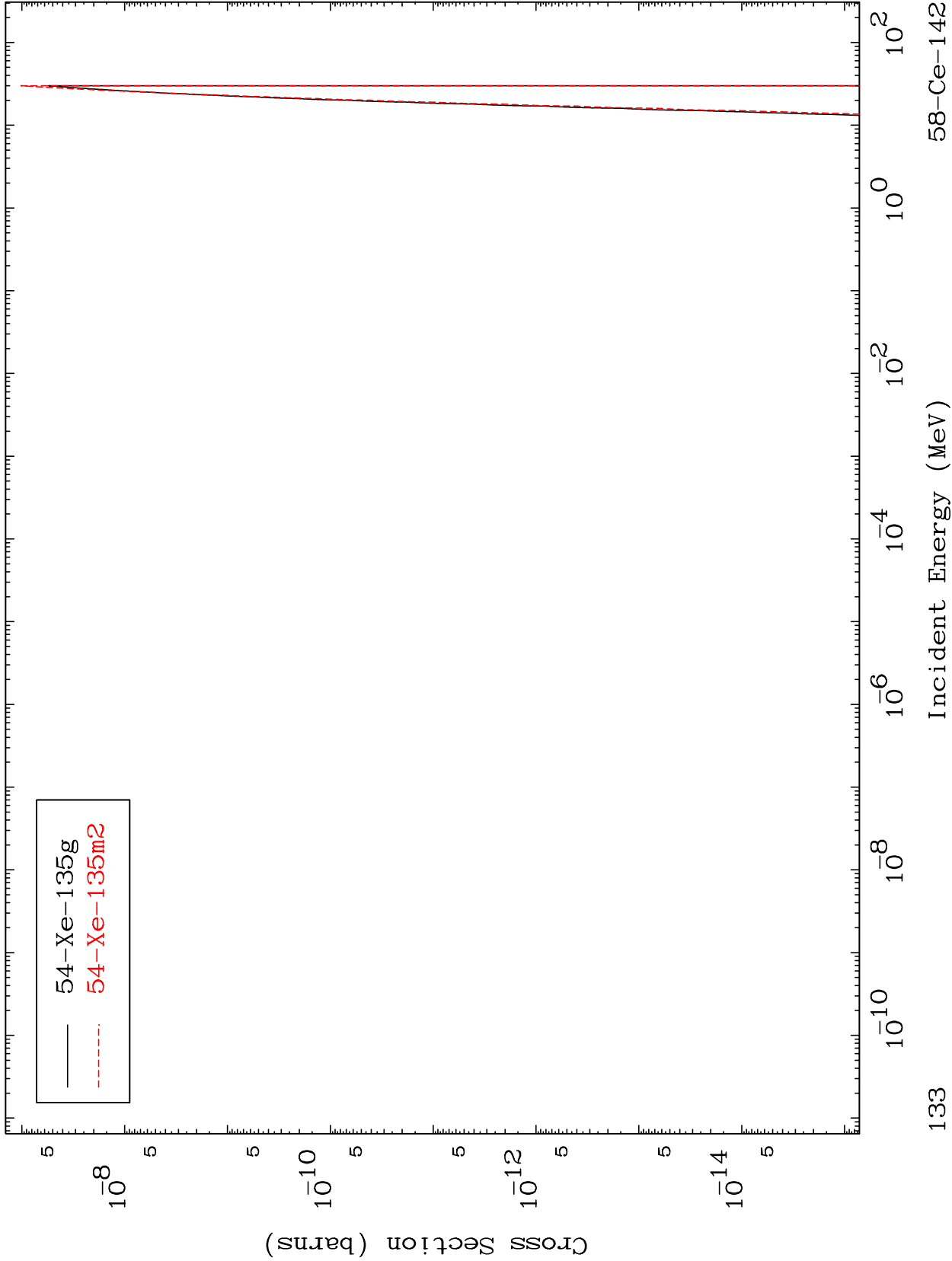
58-Ce-142

MAT 5843

(n,2α)

58-Ce-142

Radionuclide Production Cross Section

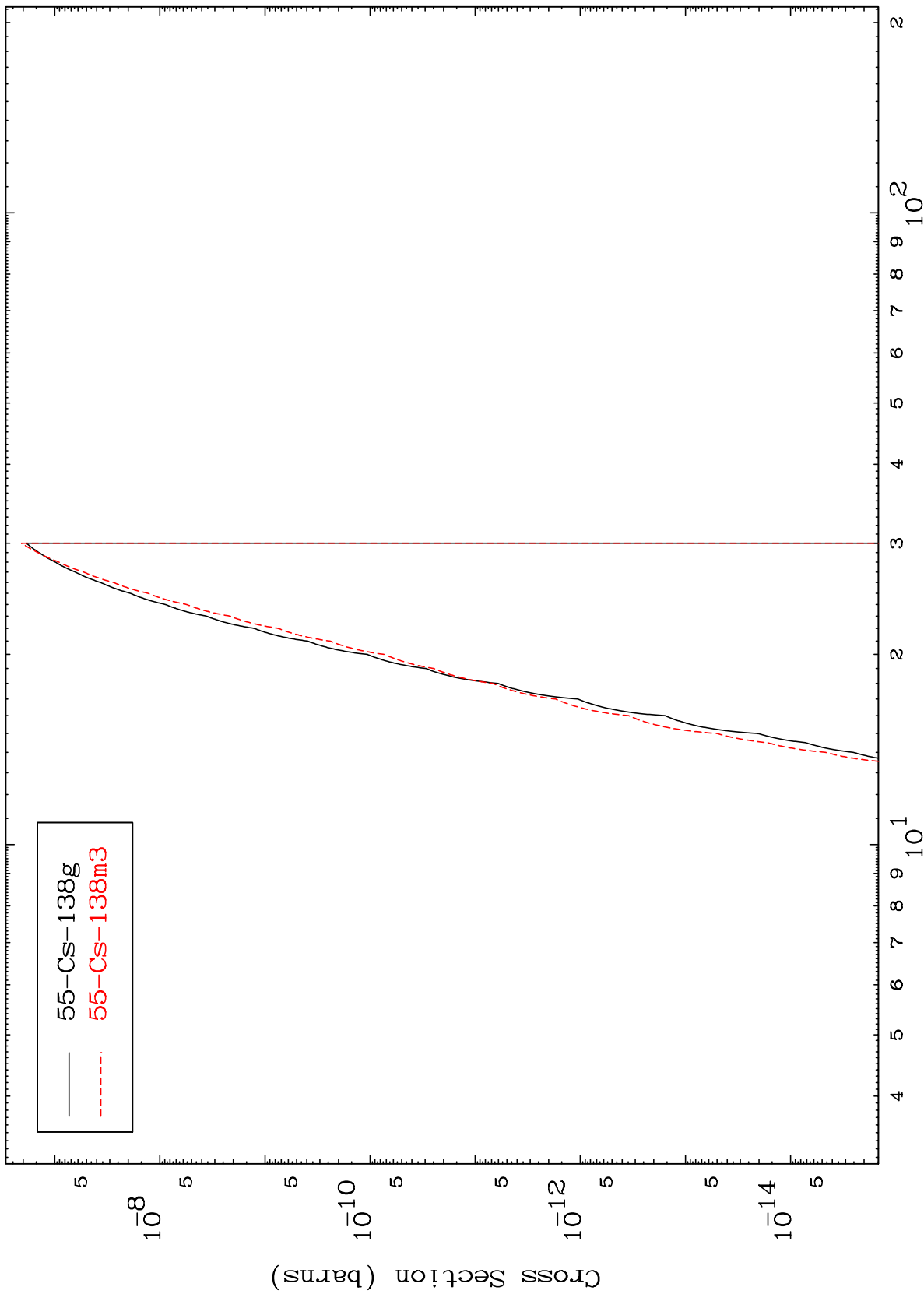


MAT 5843

(n,p) α

58-Ce-142

Radionuclide Production Cross Section



55-Cs-138g
55-Cs-138m3

134

Incident Energy (MeV)

58-Ce-142