

Program EVALPLOT
(Version 2018-1)

by

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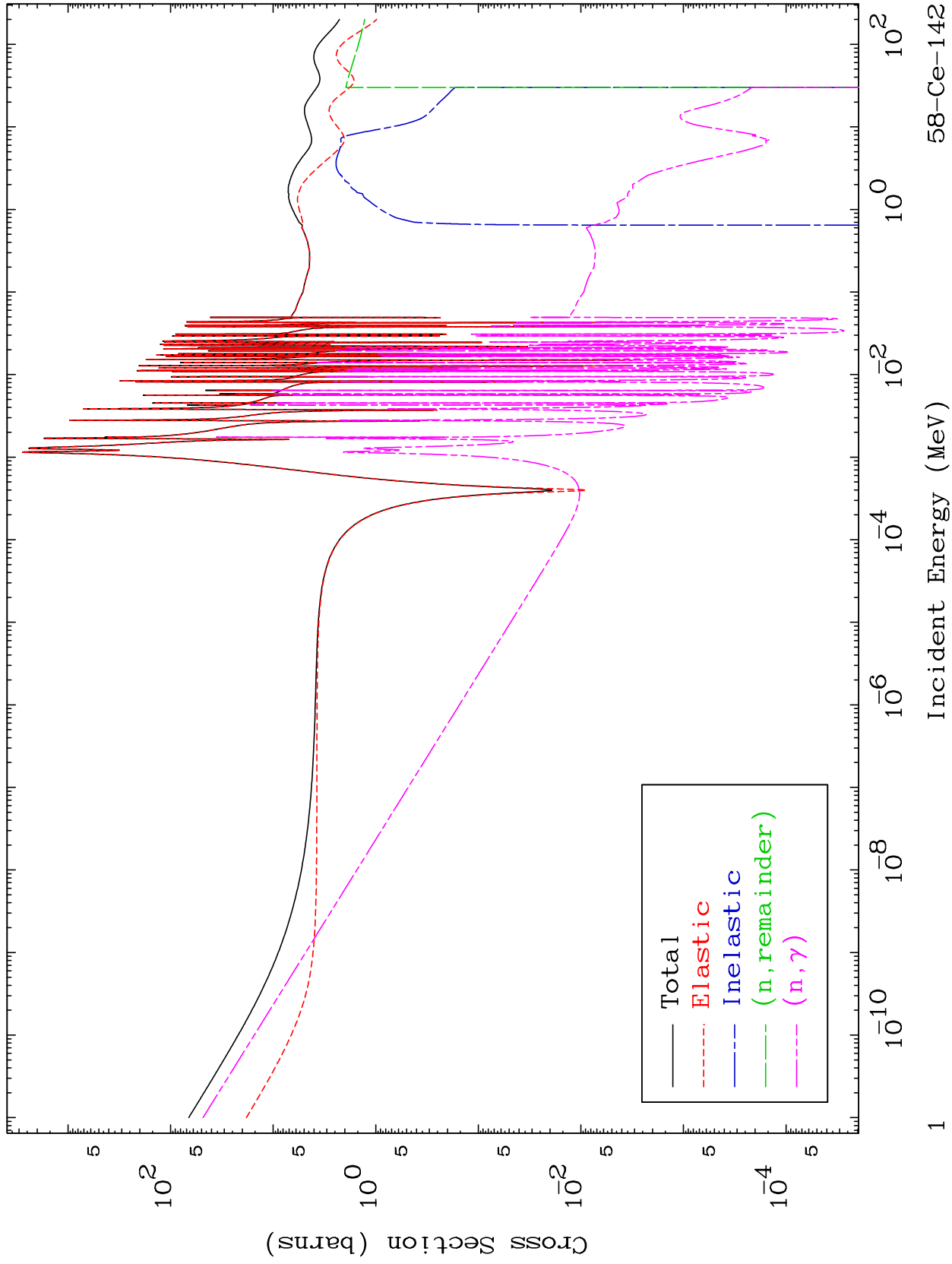
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5843

Major
293 Kelvin Cross Sections

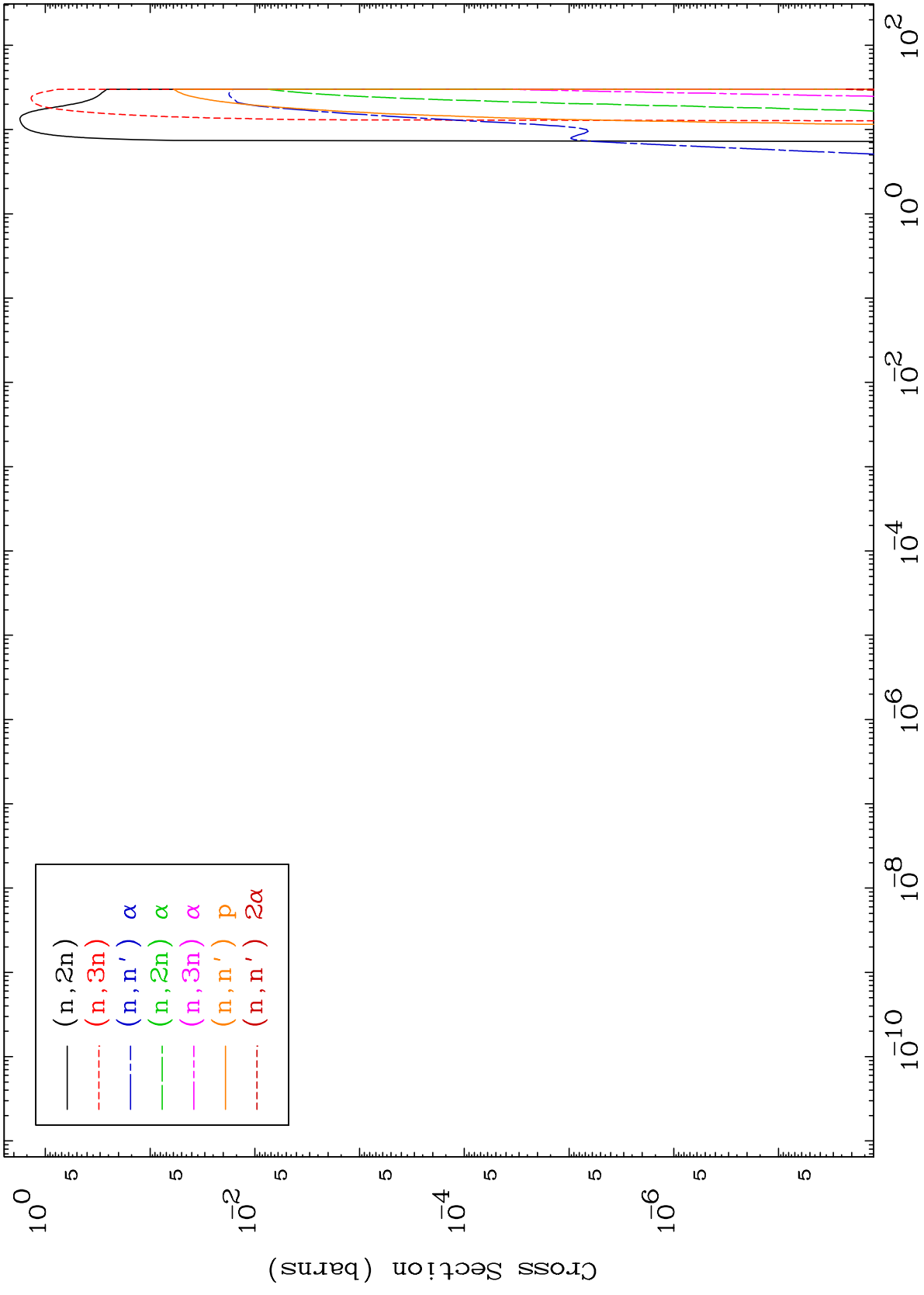
58-Ce-142



MAT 5843

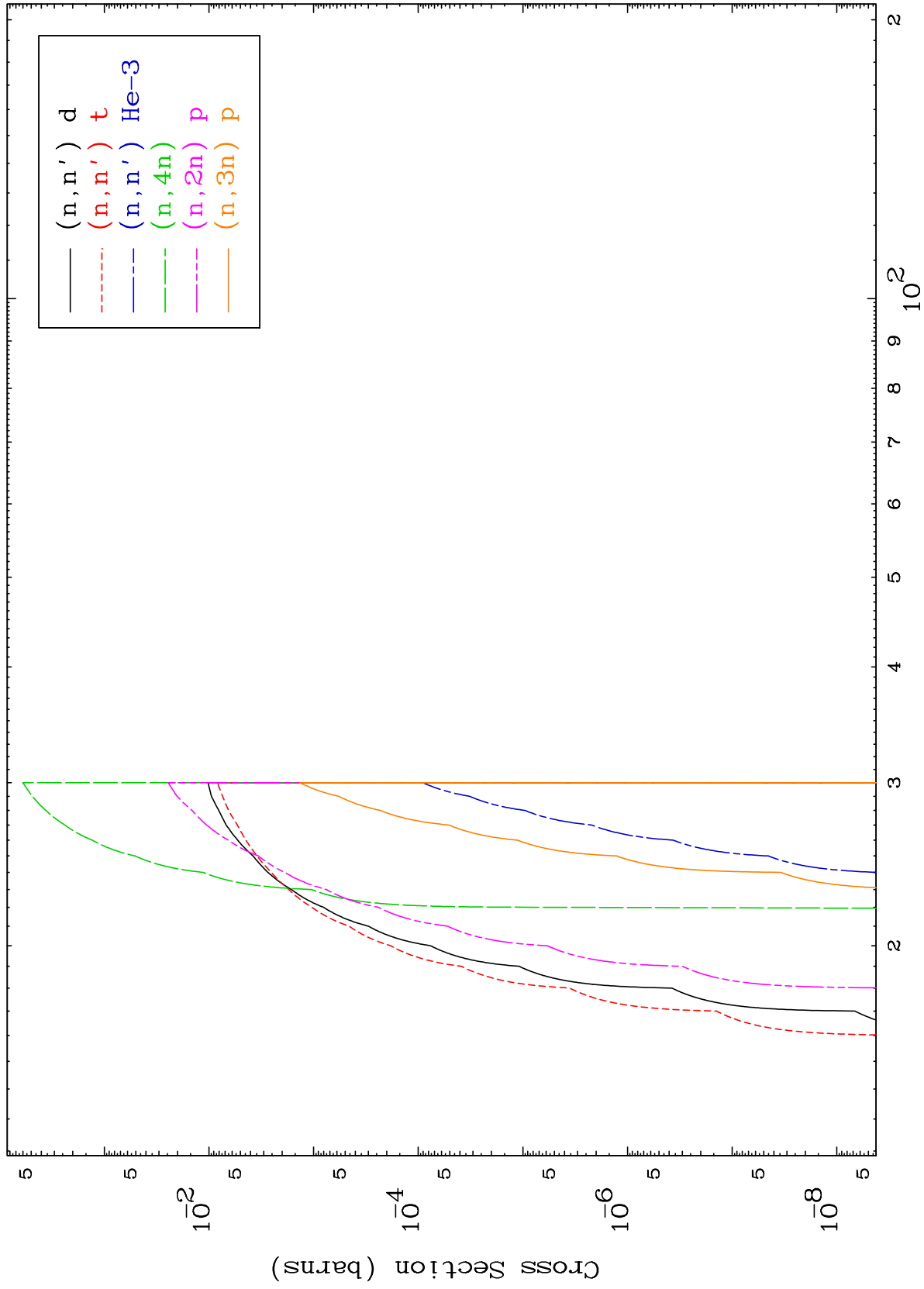
Neutron Production
293 Kelvin Cross Sections

58-Ce-142



2

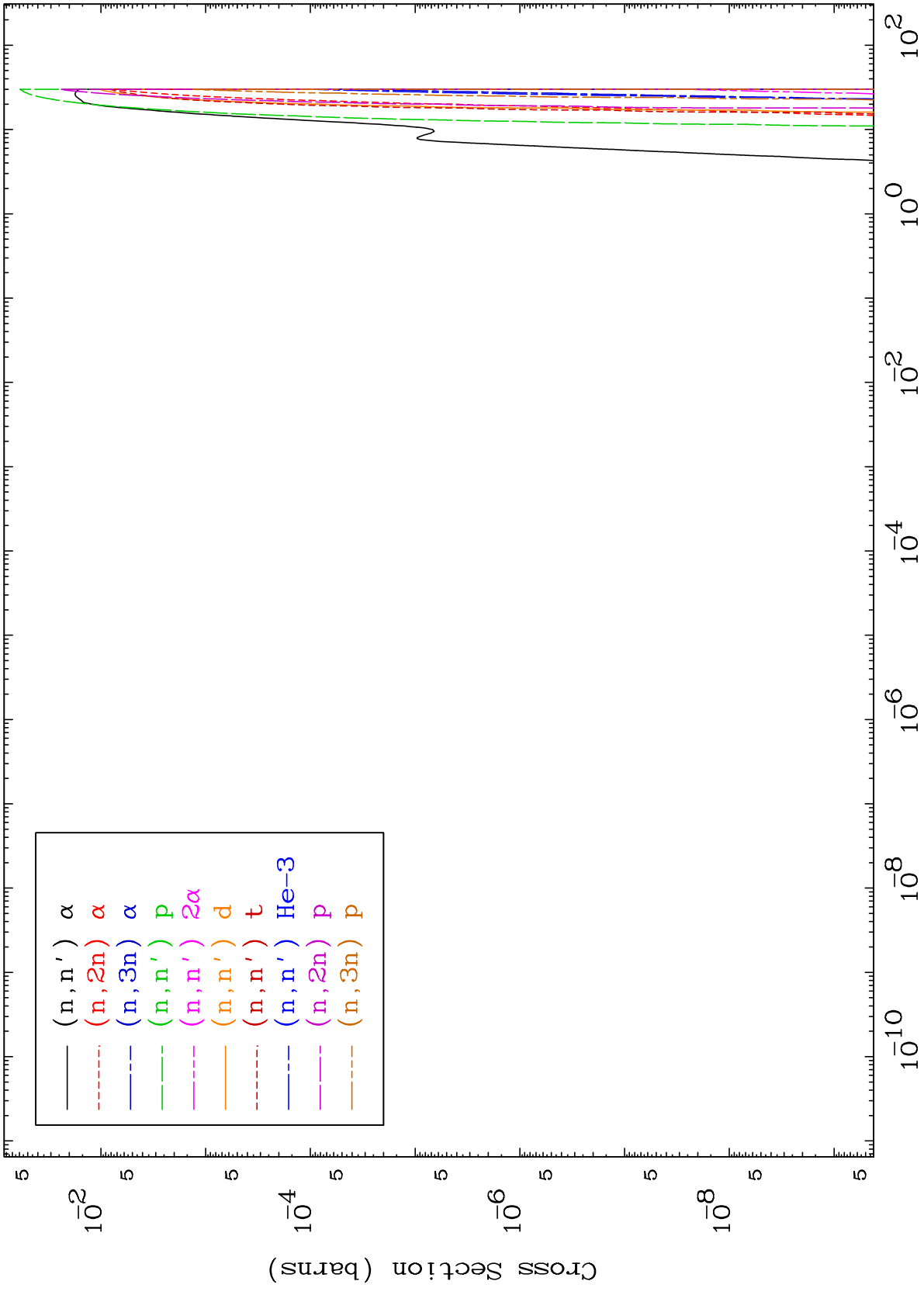
58-Ce-142



MAT 5843

Charged Particle
293 Kelvin Cross Sections

58-Ce-142

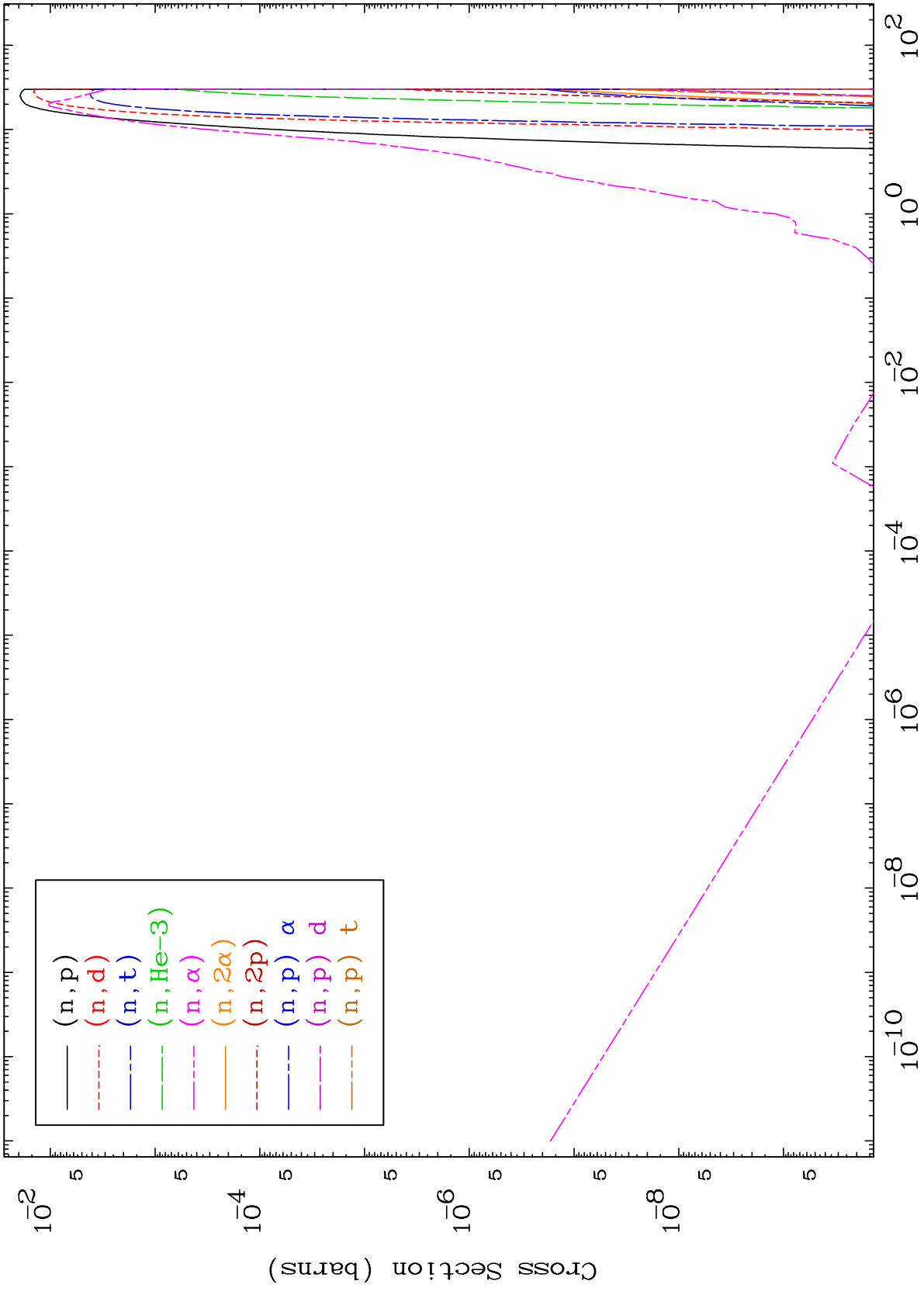


58-Ce-142

MAT 5843

Charged Particle
293 Kelvin Cross Sections

58-Ce-142

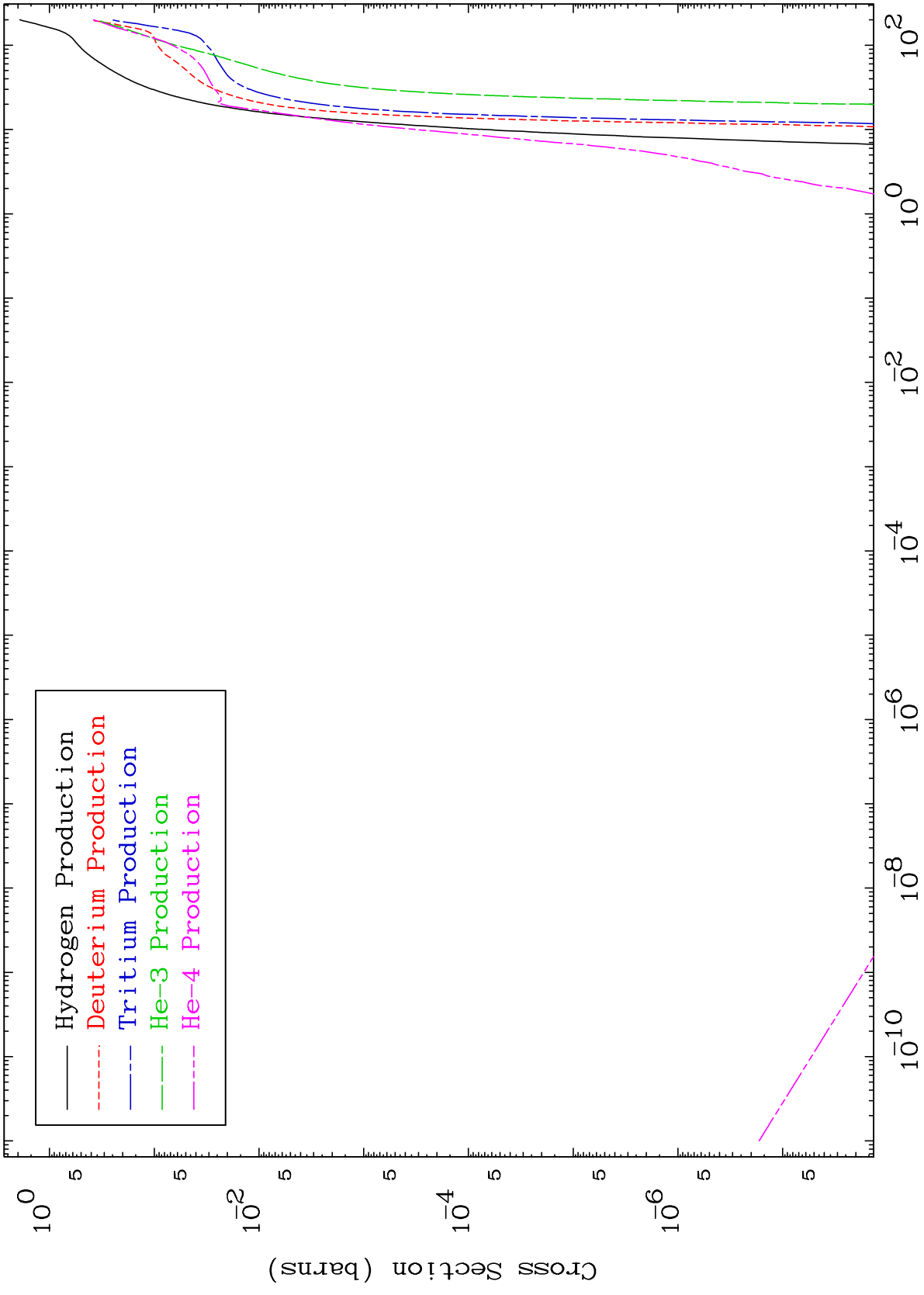


58-Ce-142

MAT 5843

Particle Production
293 Kelvin Cross Sections

58-Ce-142

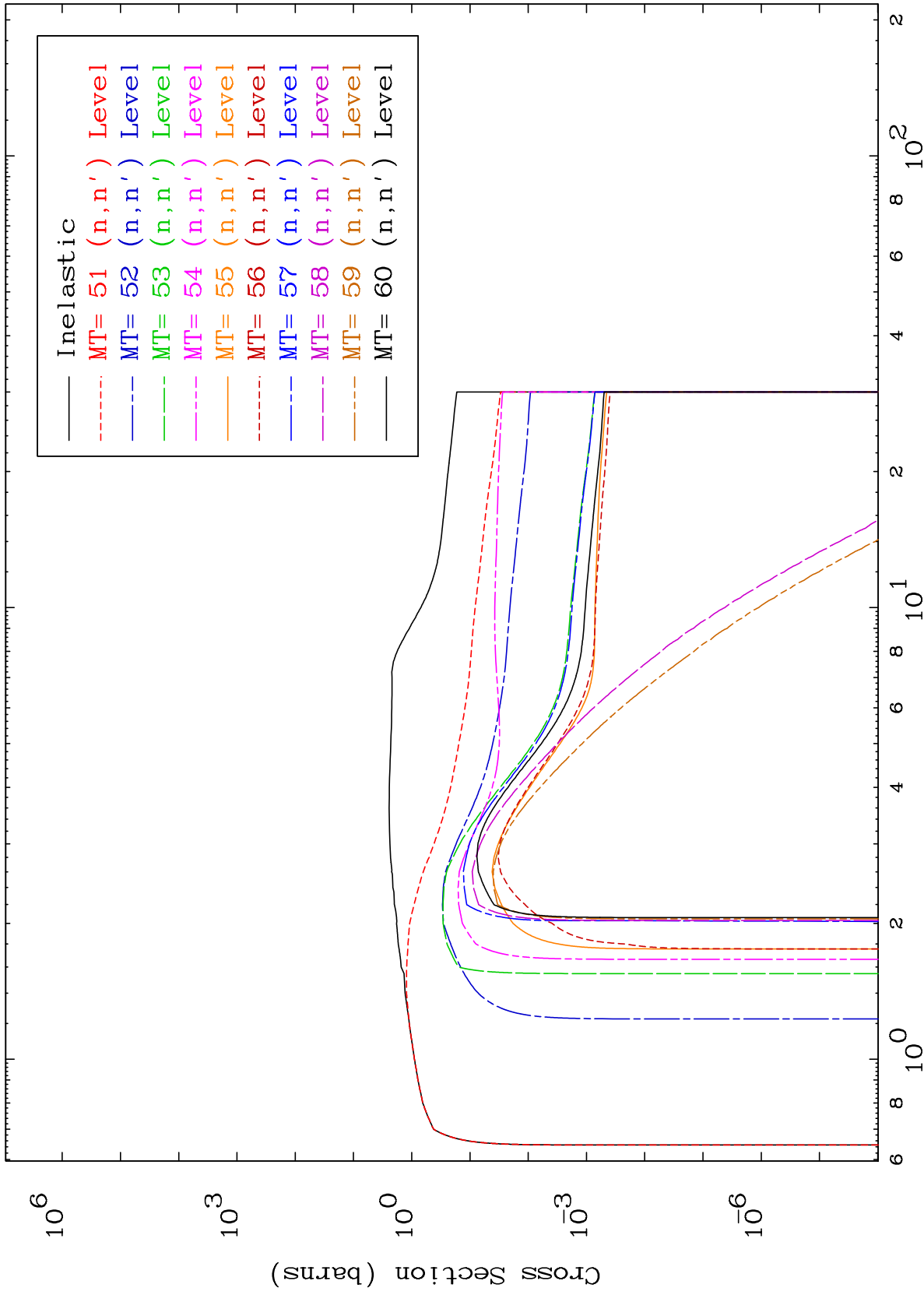


58-Ce-142

MAT 5843

(n,n') Level
293 Kelvin Cross Sections

58-Ce-142



7

Incident Energy (MeV)

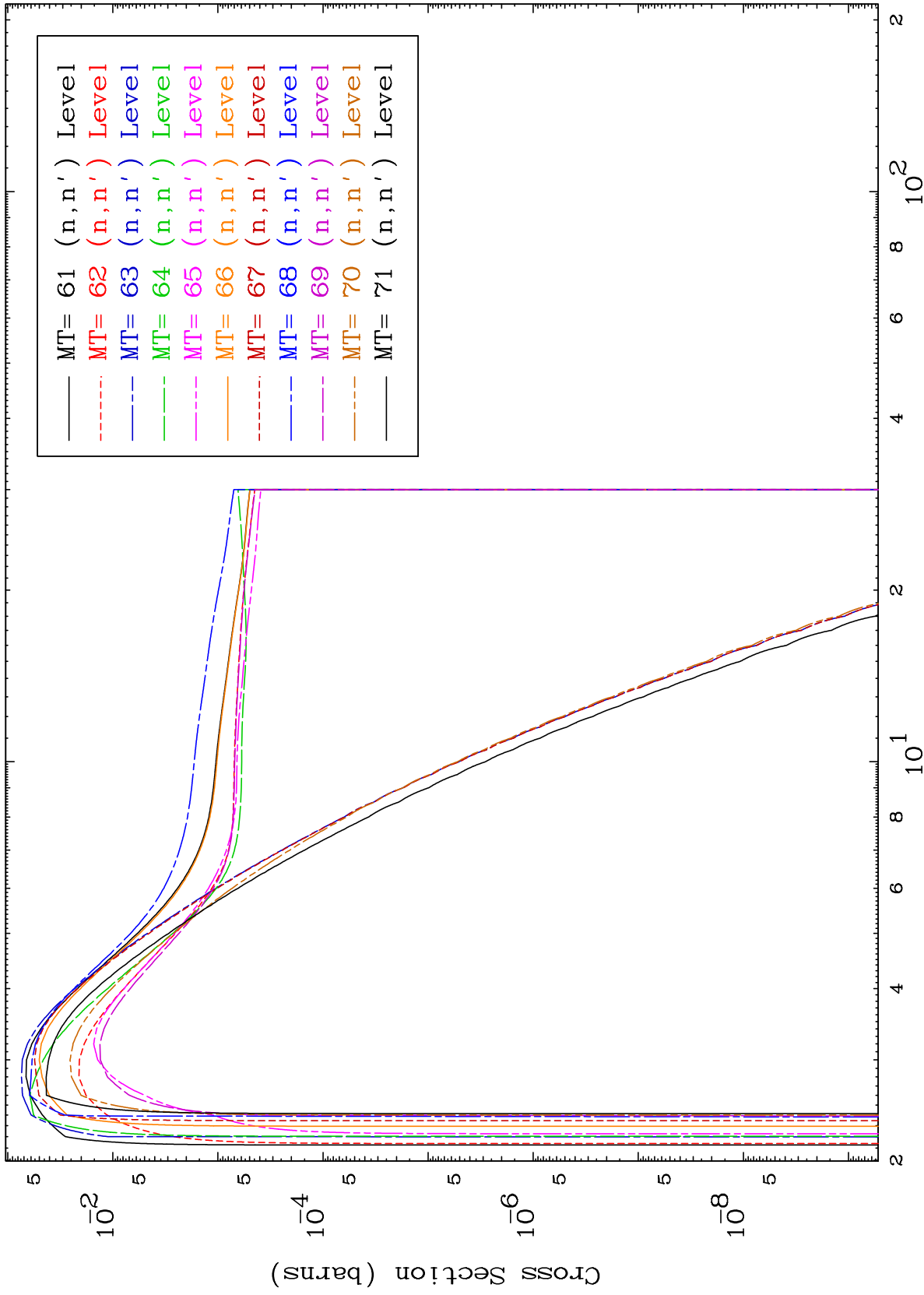
58-Ce-142

MAT 5843

(n,n') Level

58-Ce-142

293 Kelvin Cross Sections



8

Incident Energy (MeV)

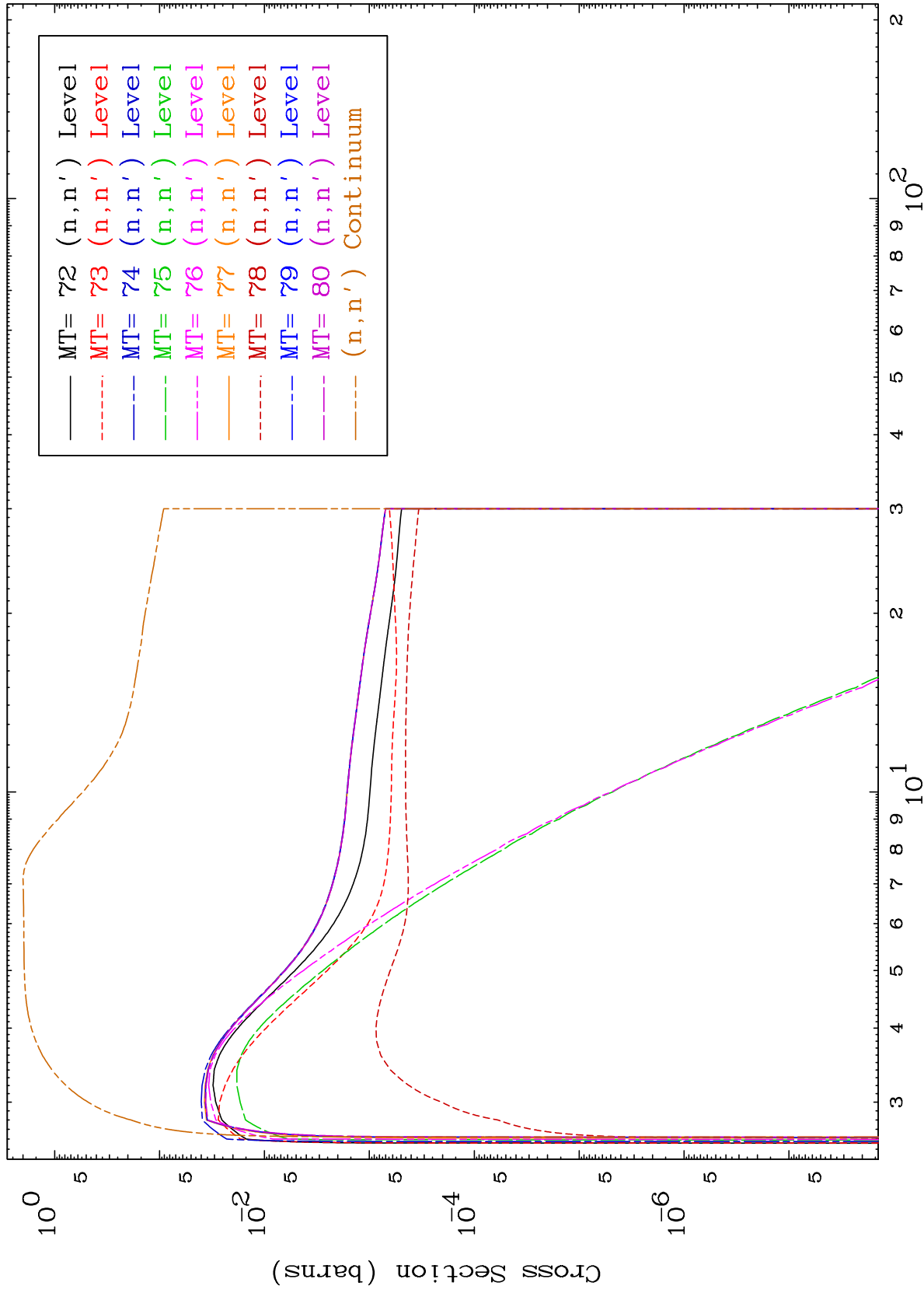
58-Ce-142

MAT 5843

(n,n') Level

58-Ce-142

293 Kelvin Cross Sections



9

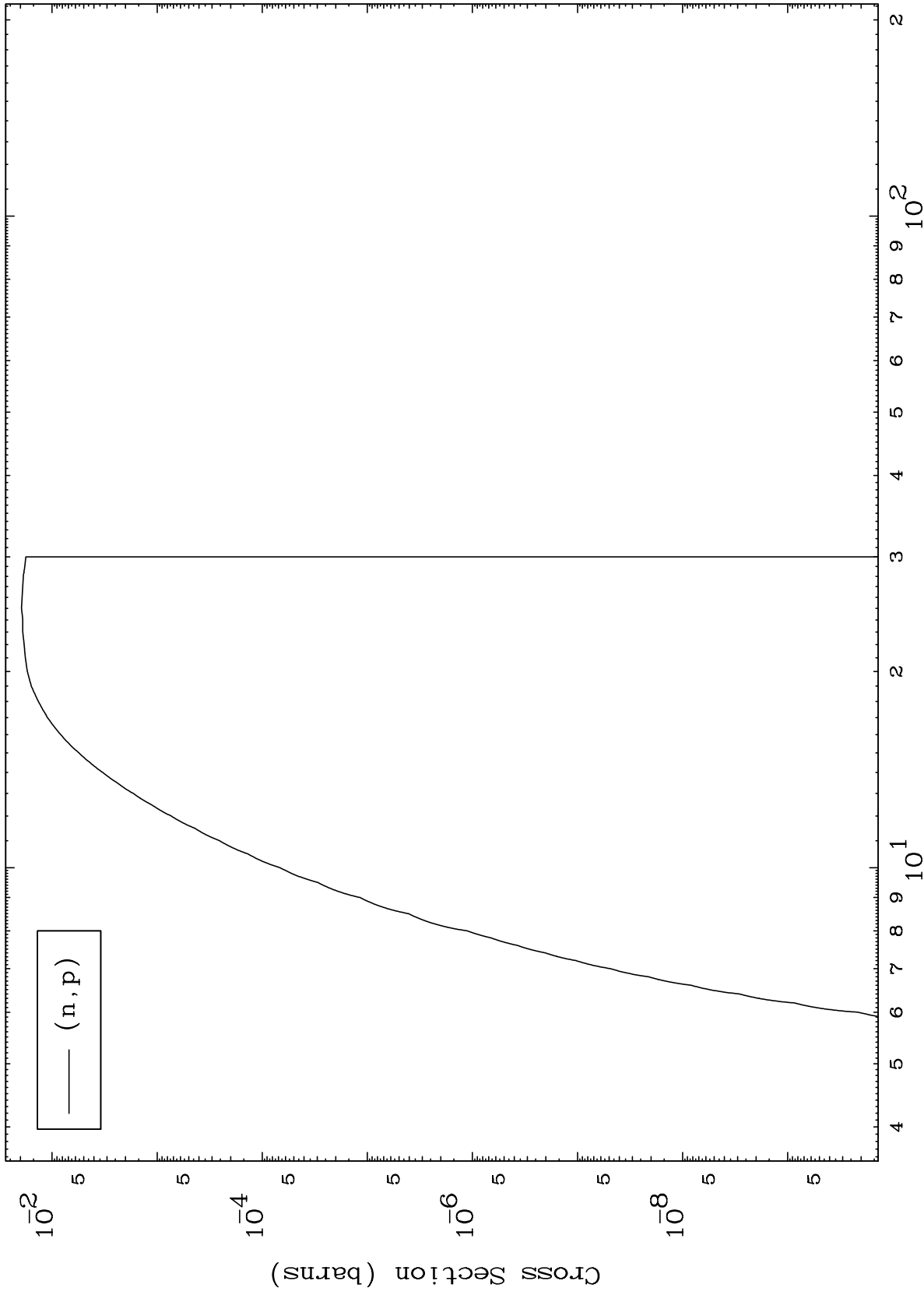
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-142



10

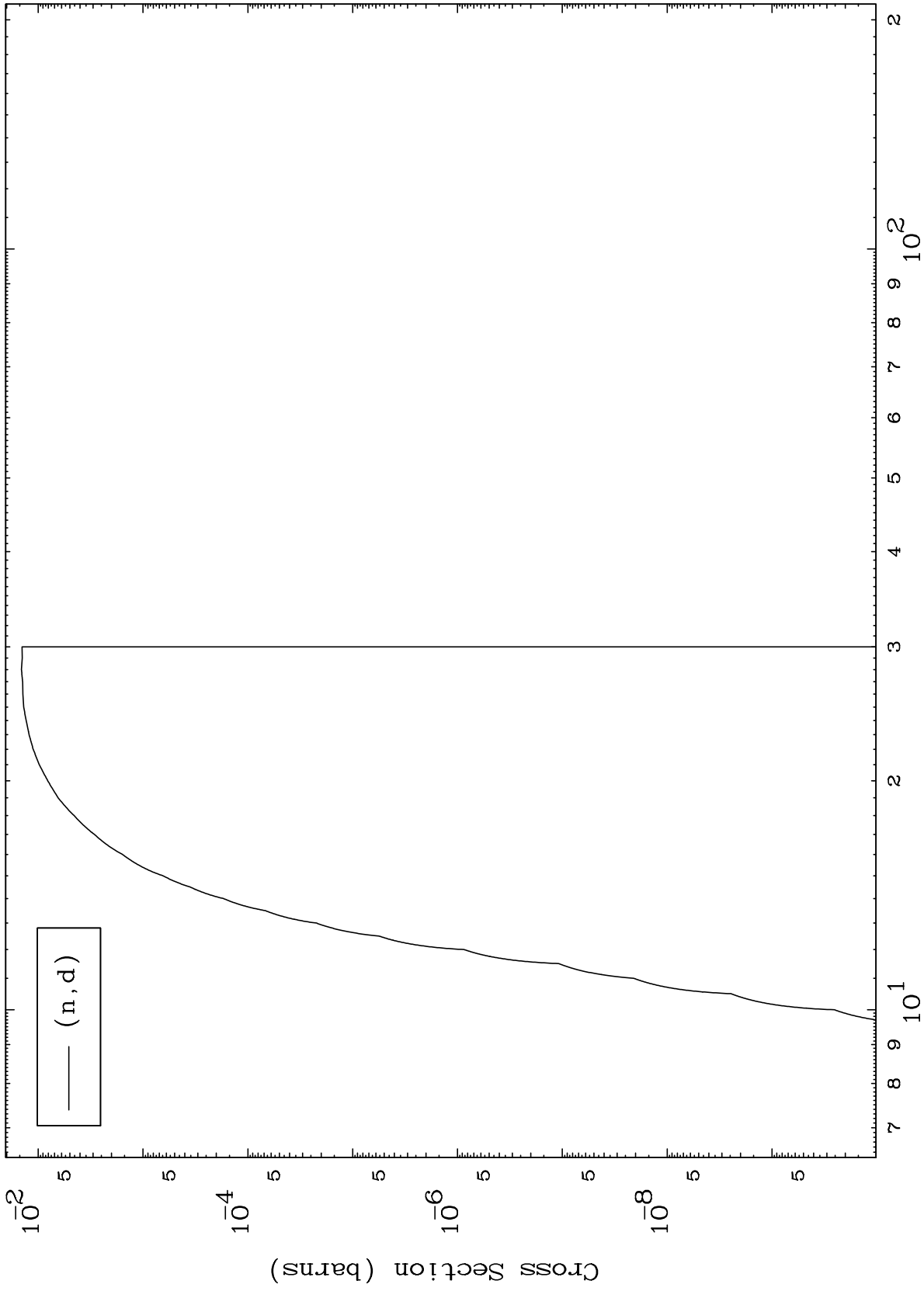
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-142



11

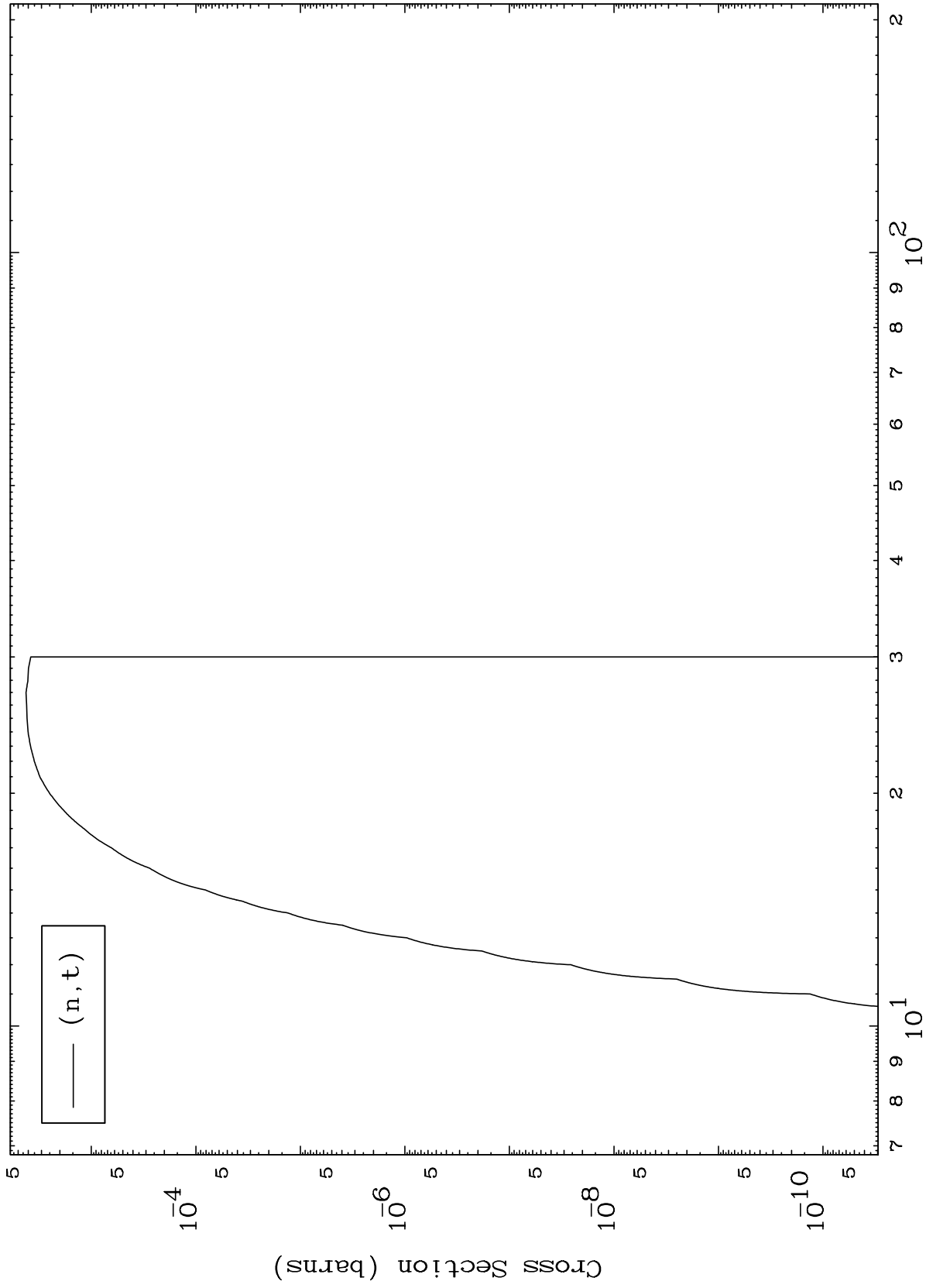
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-142



12

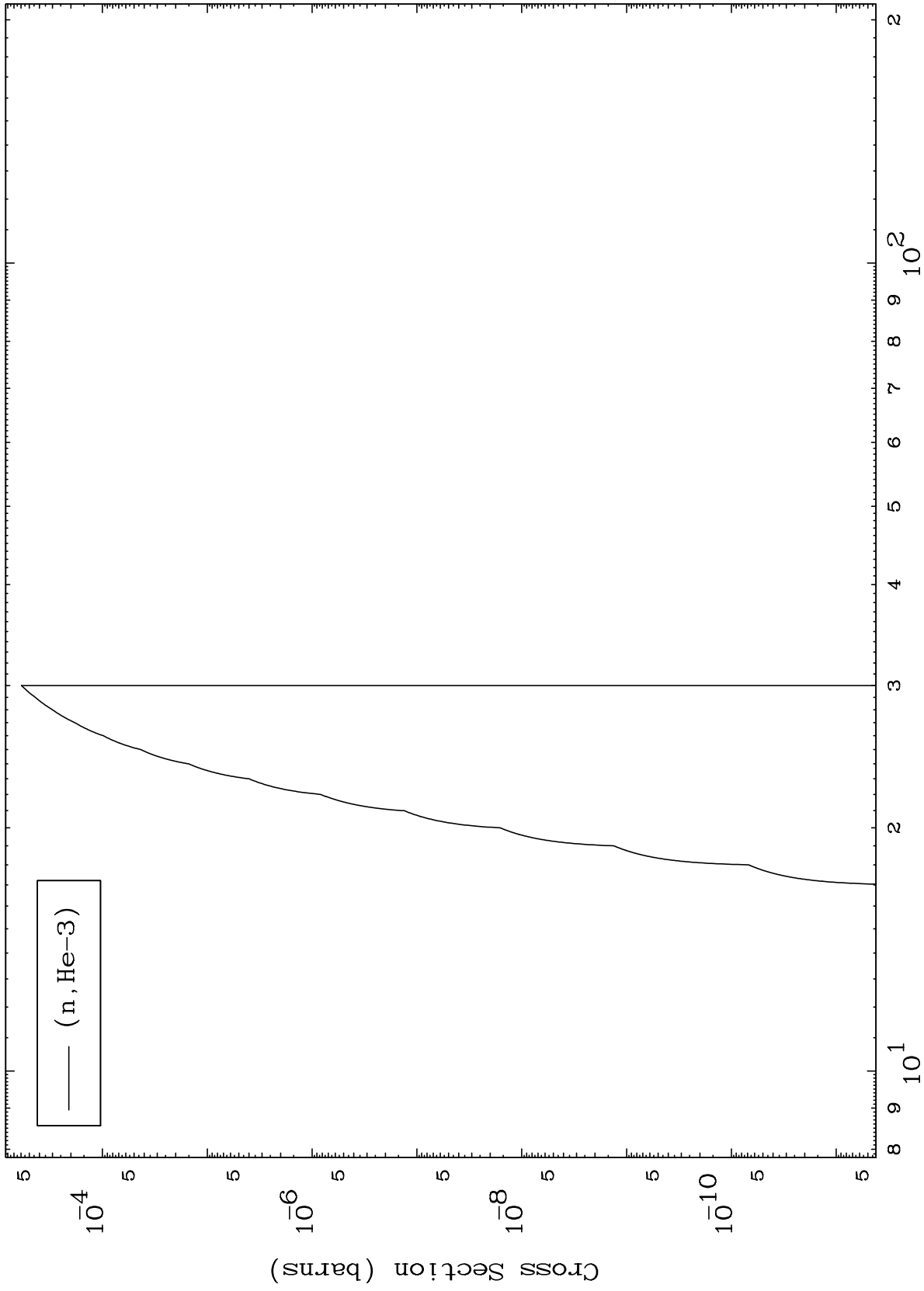
Incident Energy (MeV)

58-Ce-142

MAT 5843

58-Ce-142

(n,He3) Levels
293 Kelvin Cross Sections



13

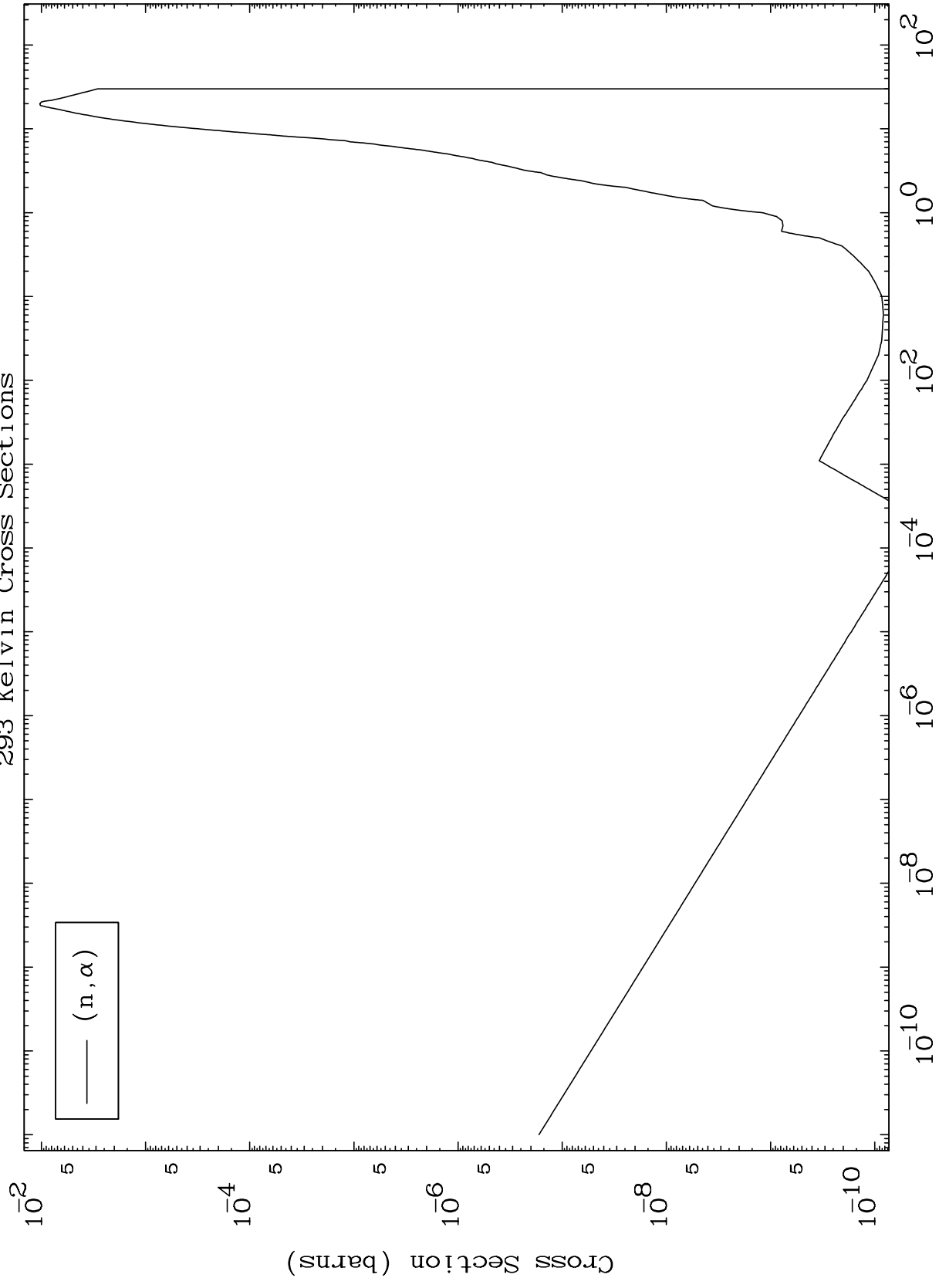
Incident Energy (MeV)

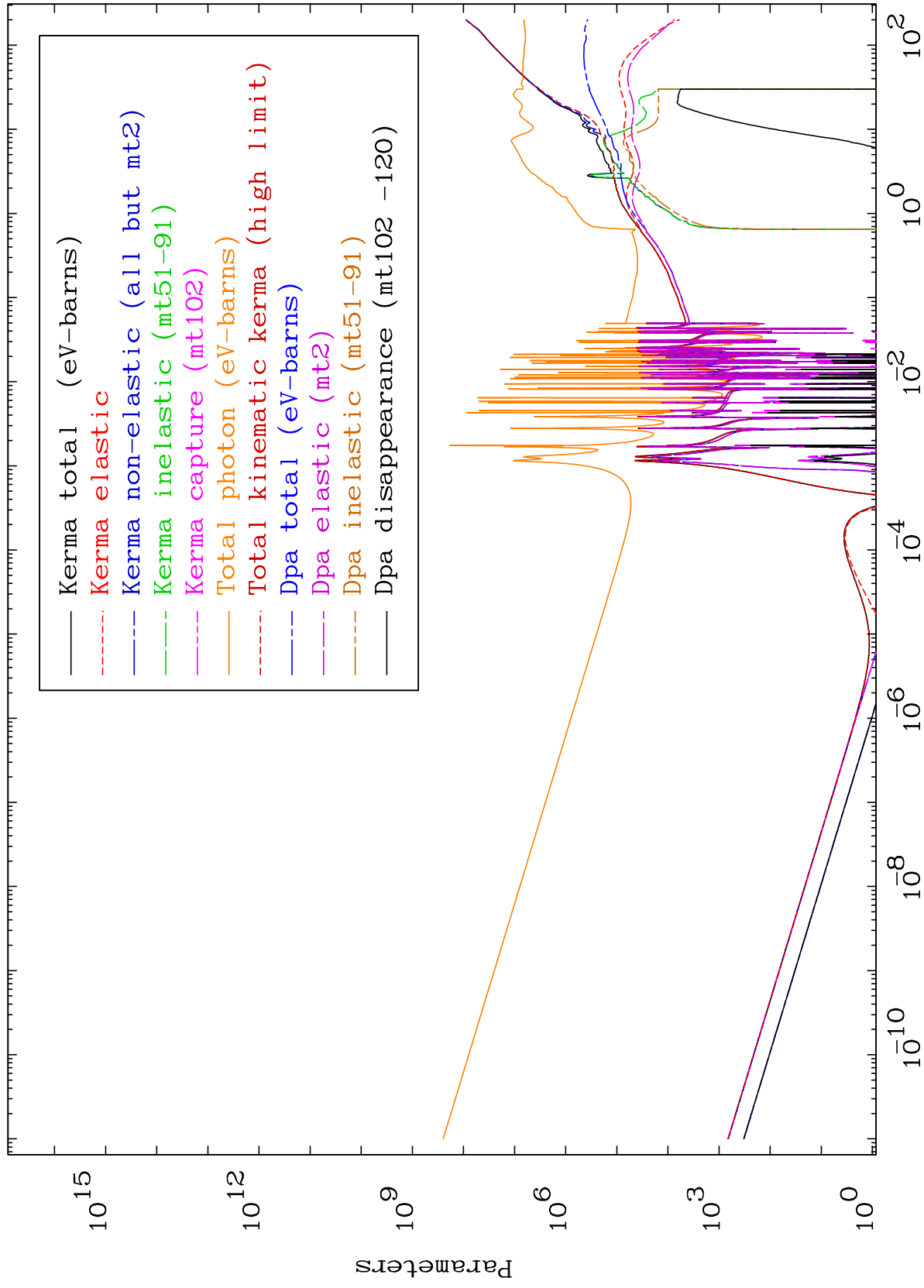
58-Ce-142

MAT 5843

(n,α) Levels
293 Kelvin Cross Sections

58-Ce-142

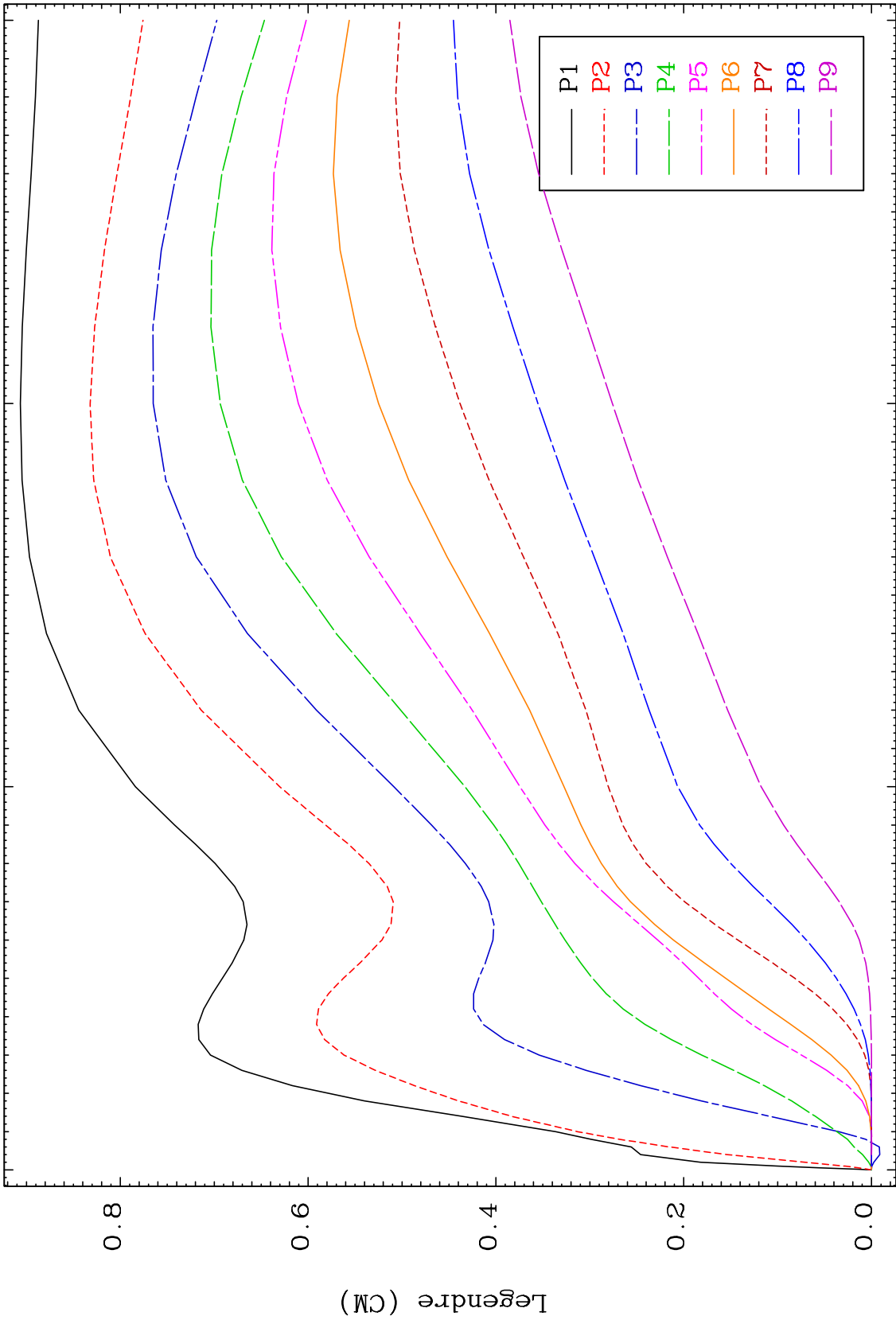




MAT 5843

Elastic Legendre Coefficients

58-Ce-142



16

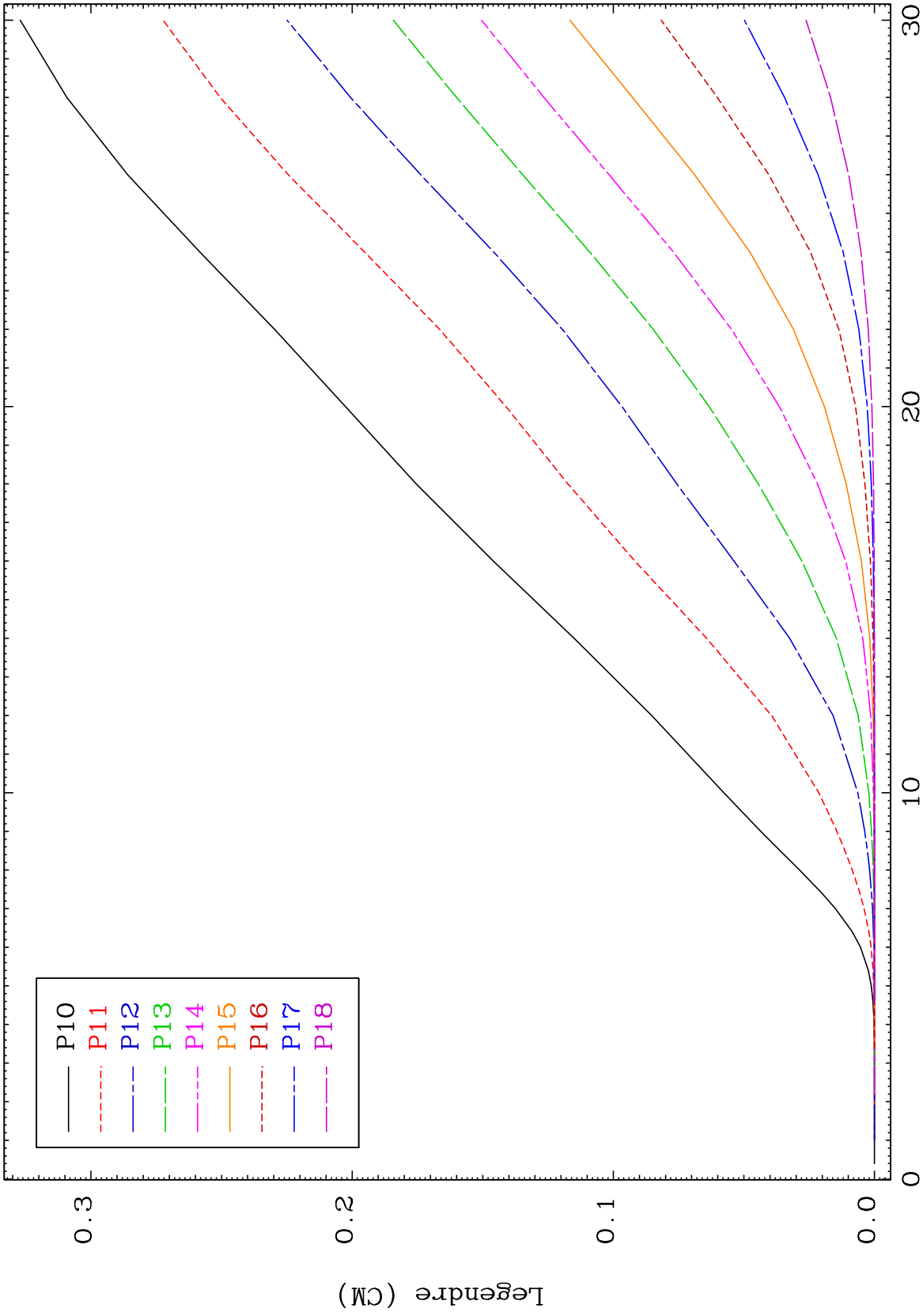
Incident Energy (MeV)

58-Ce-142

MAT 5843

Elastic Legendre Coefficients

58-Ce-142



17

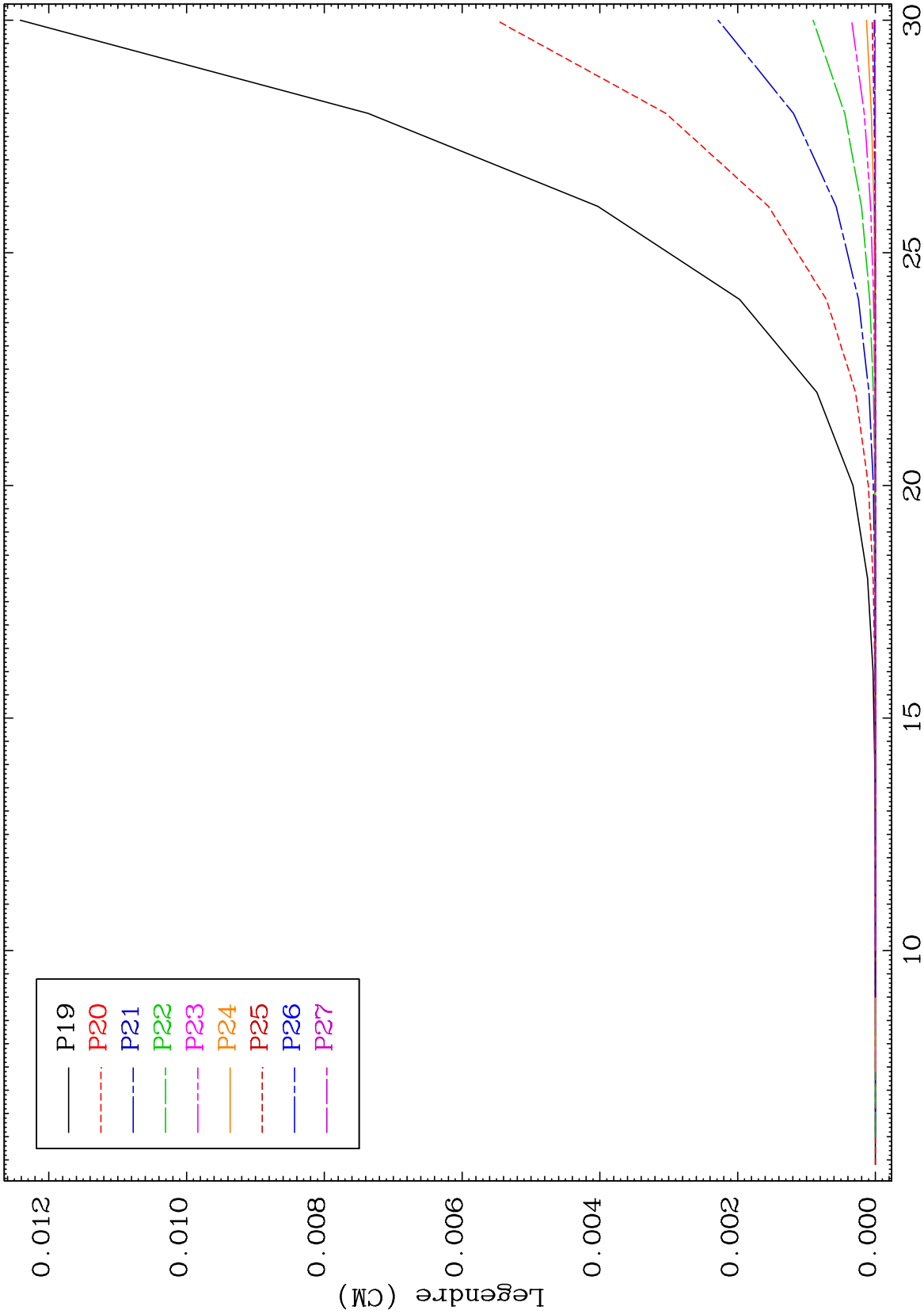
Incident Energy (MeV)

58-Ce-142

MAT 5843

Elastic Legendre Coefficients

58-Ce-142



18

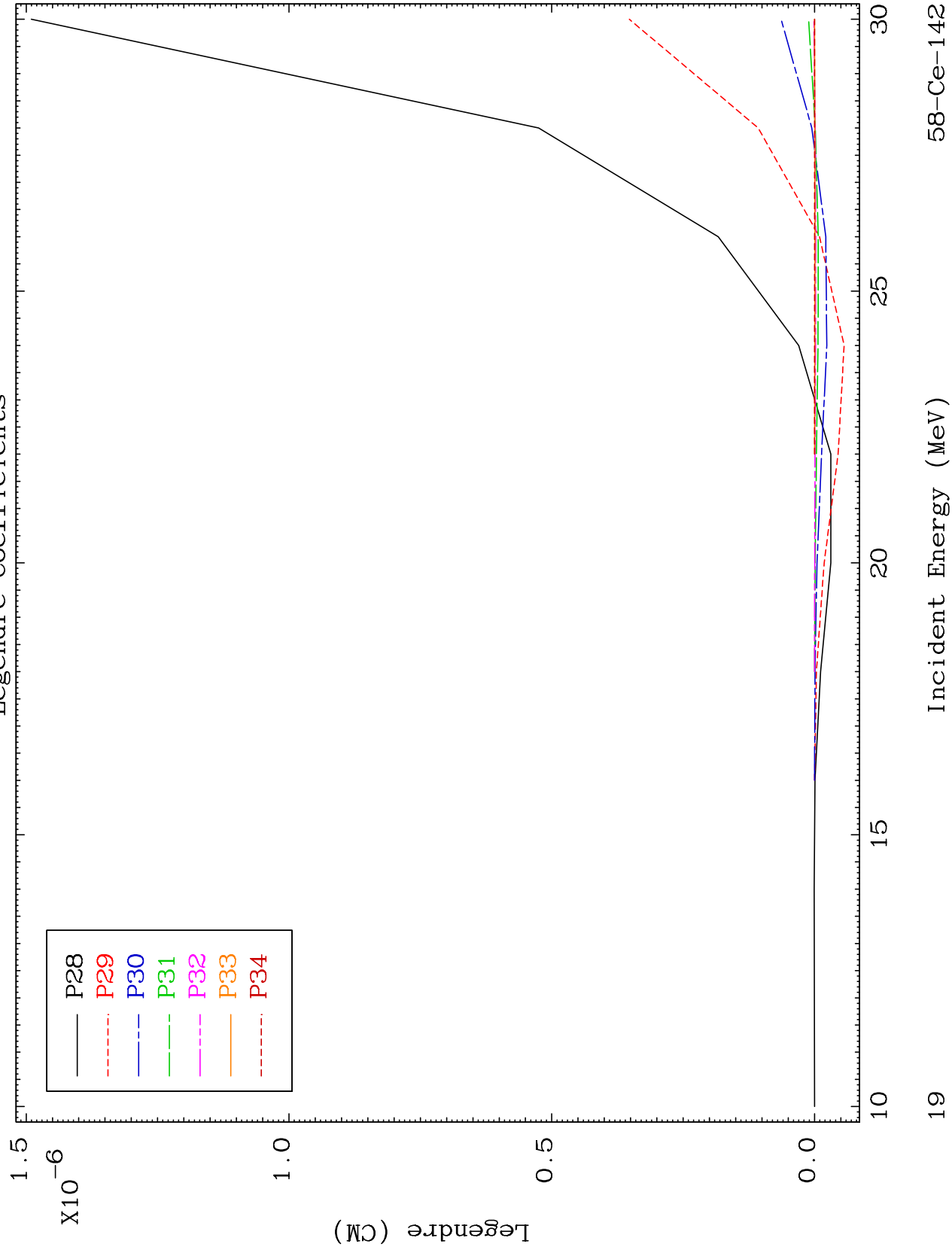
Incident Energy (MeV)

58-Ce-142

MAT 5843

Elastic Legendre Coefficients

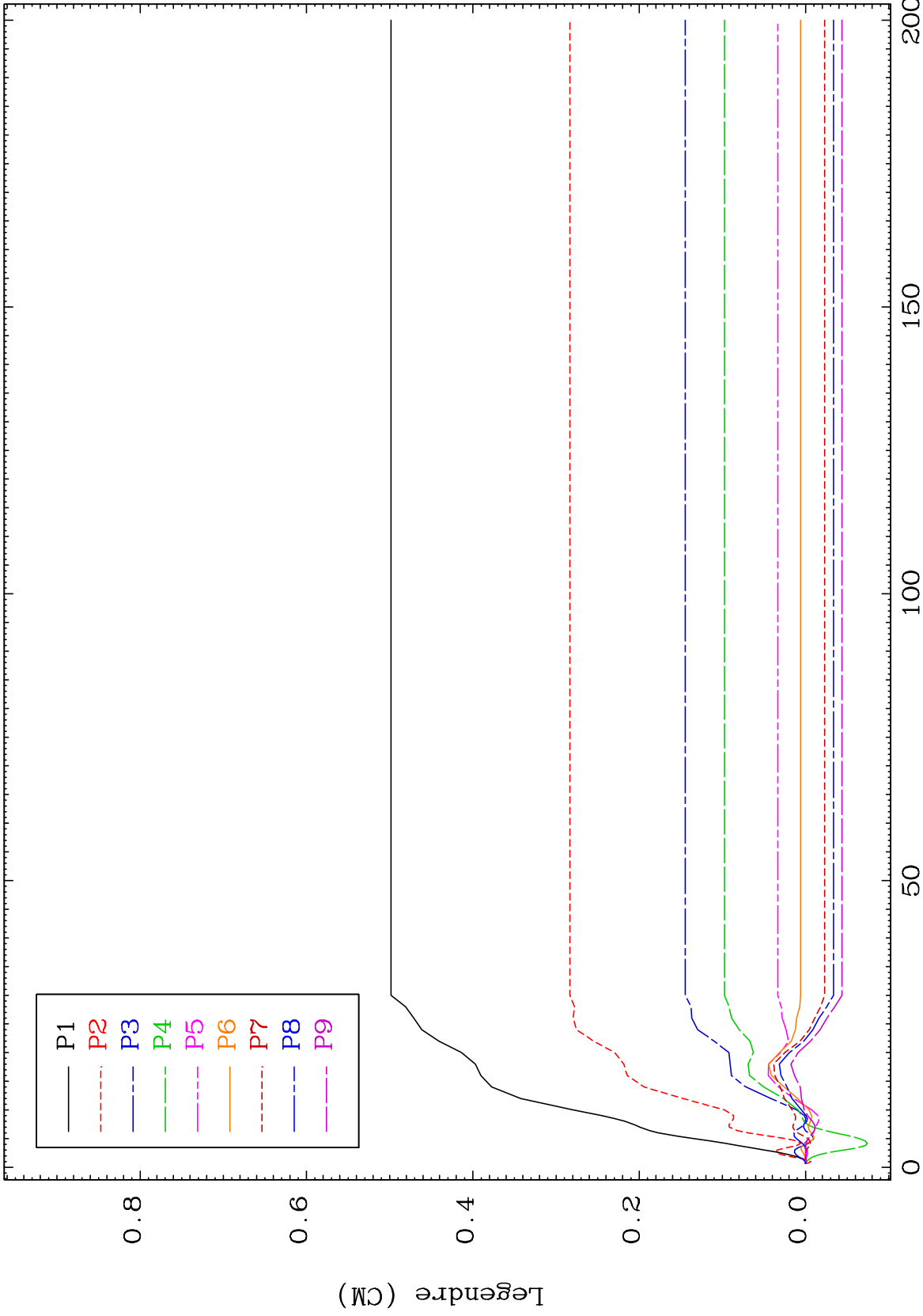
58-Ce-142



MAT 5843

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

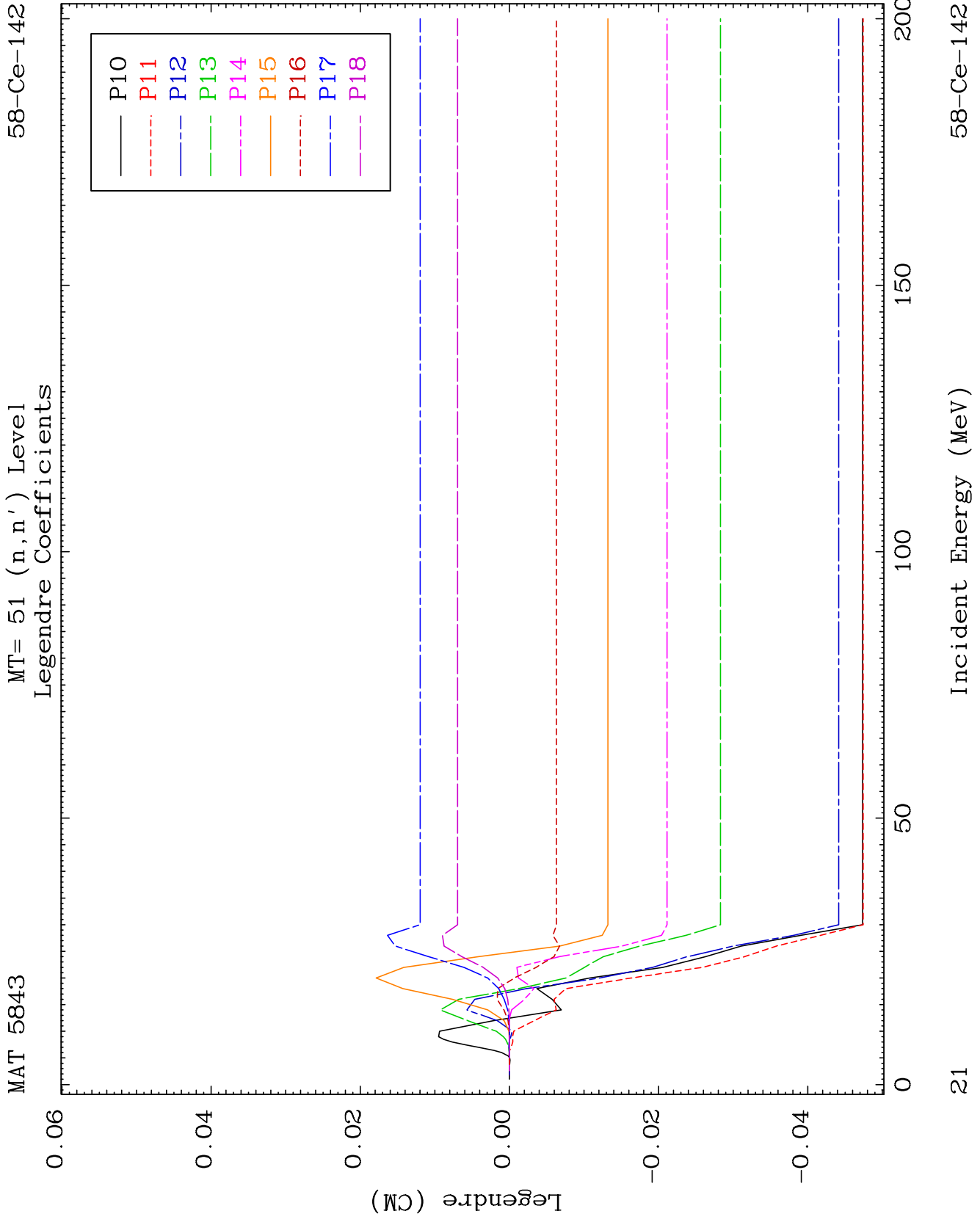
58-Ce-142



58-Ce-142

Incident Energy (MeV)

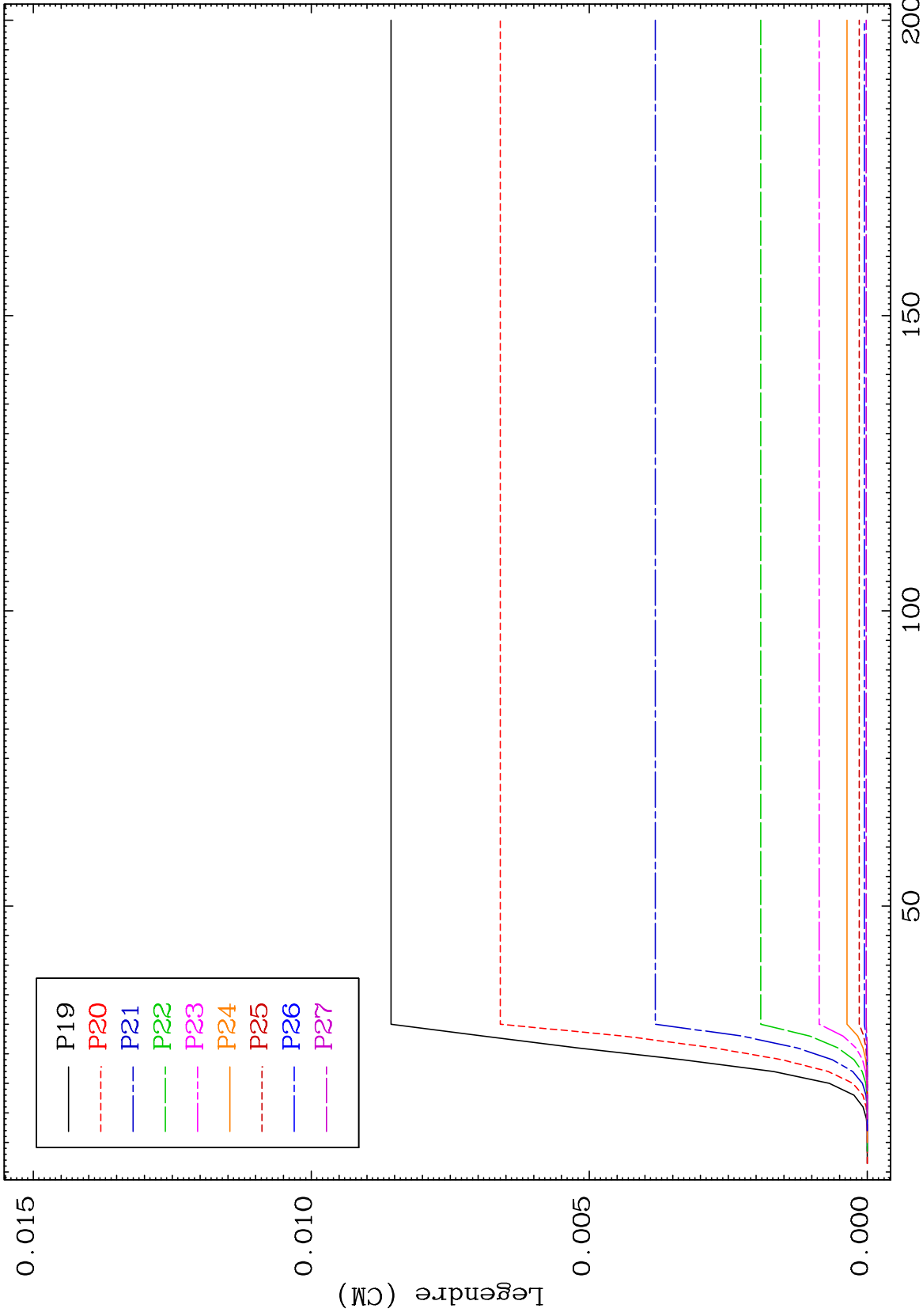
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MAT 5843

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

58-Ce-142



22

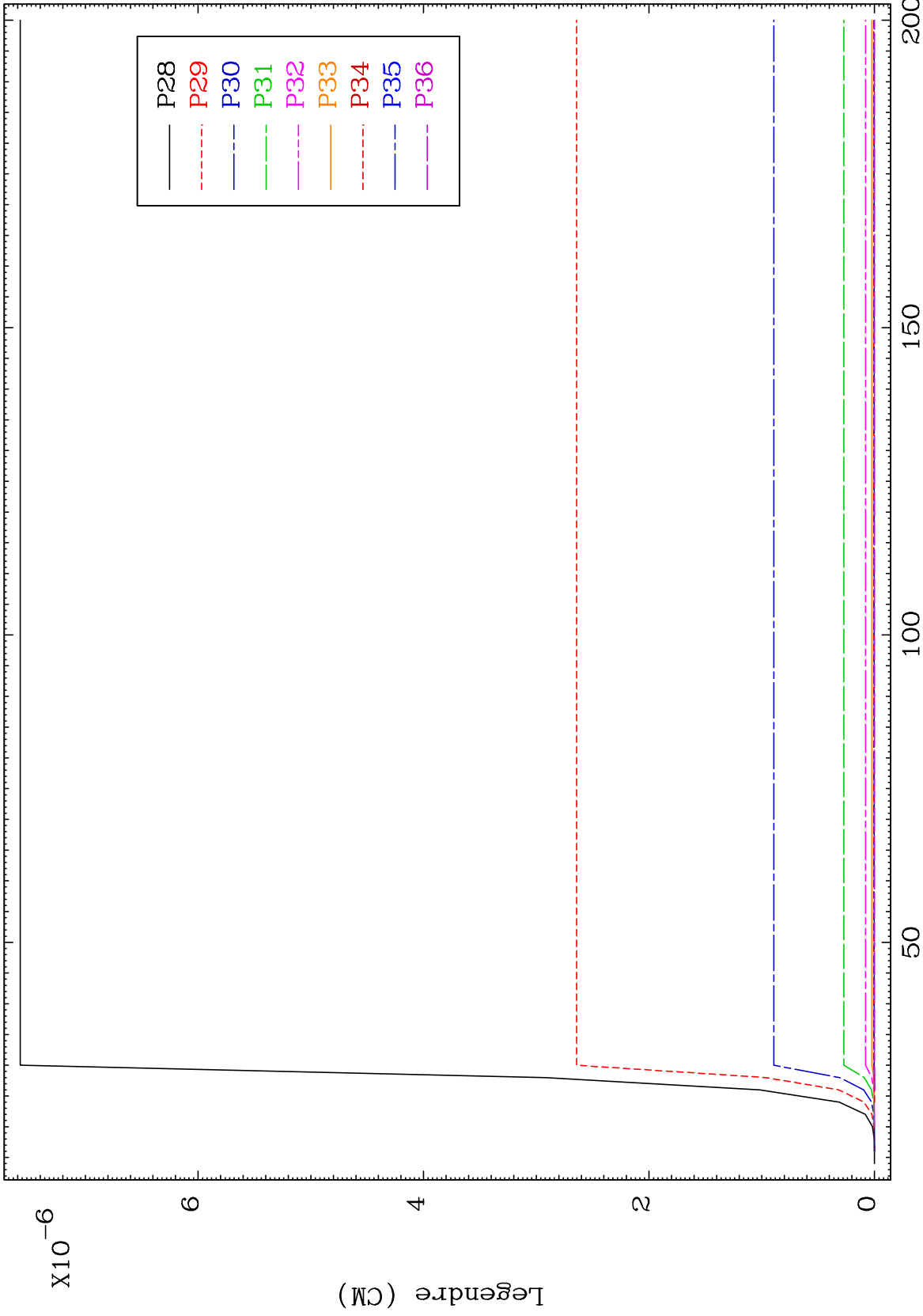
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



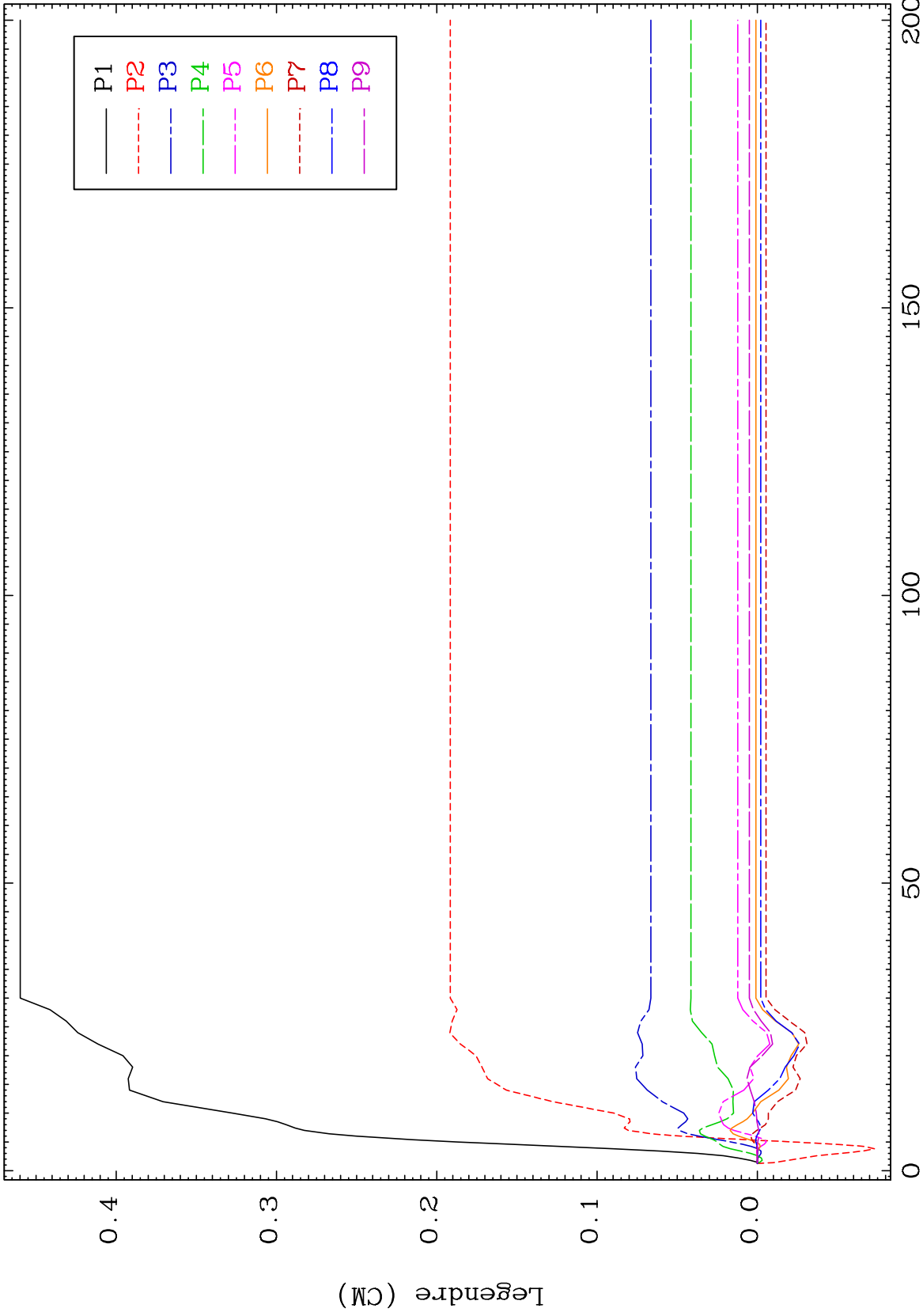
23

58-Ce-142

MAT 5843

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

58-Ce-142



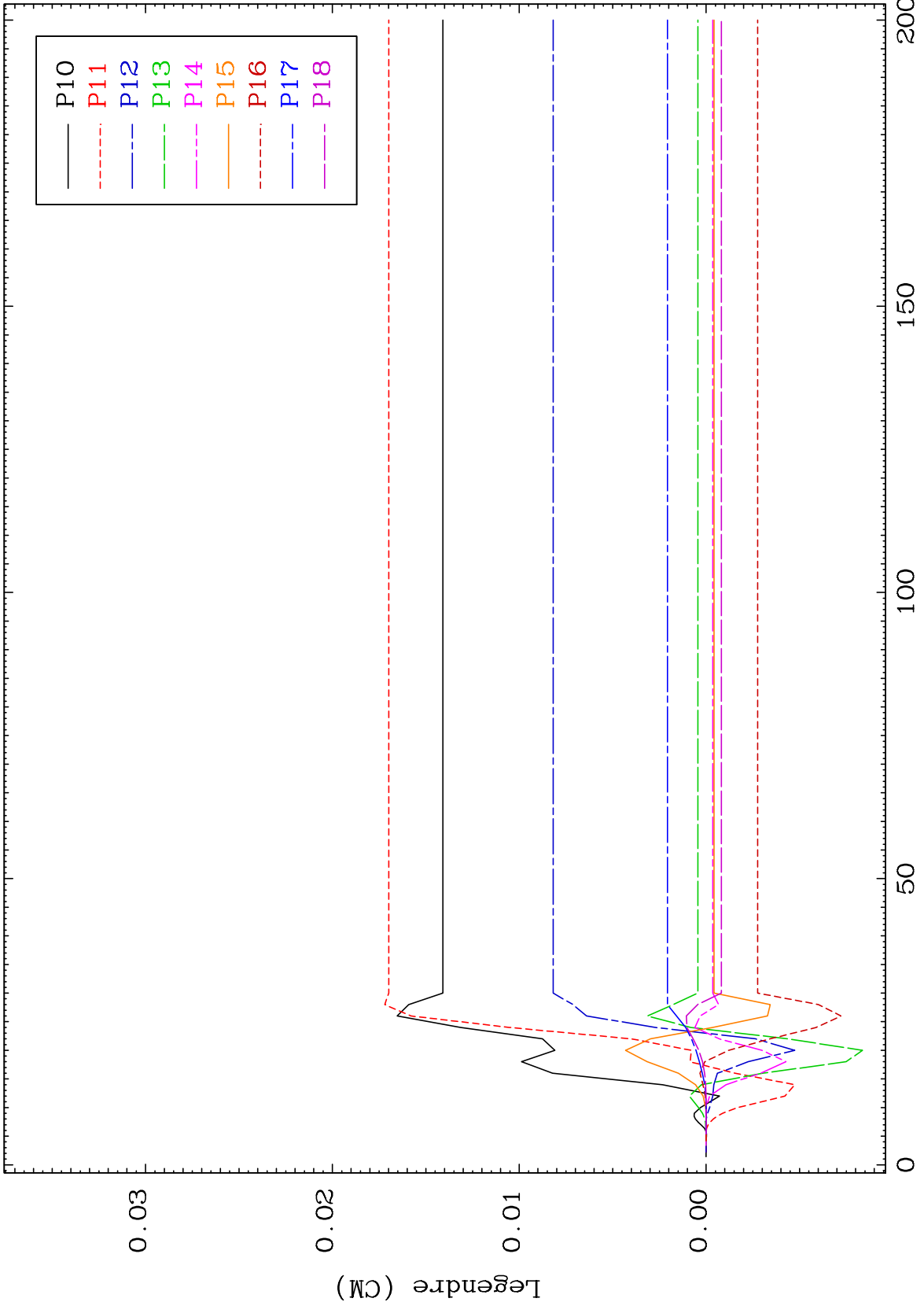
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58-Ce-142

MAT 5843

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

58-Ce-142



25

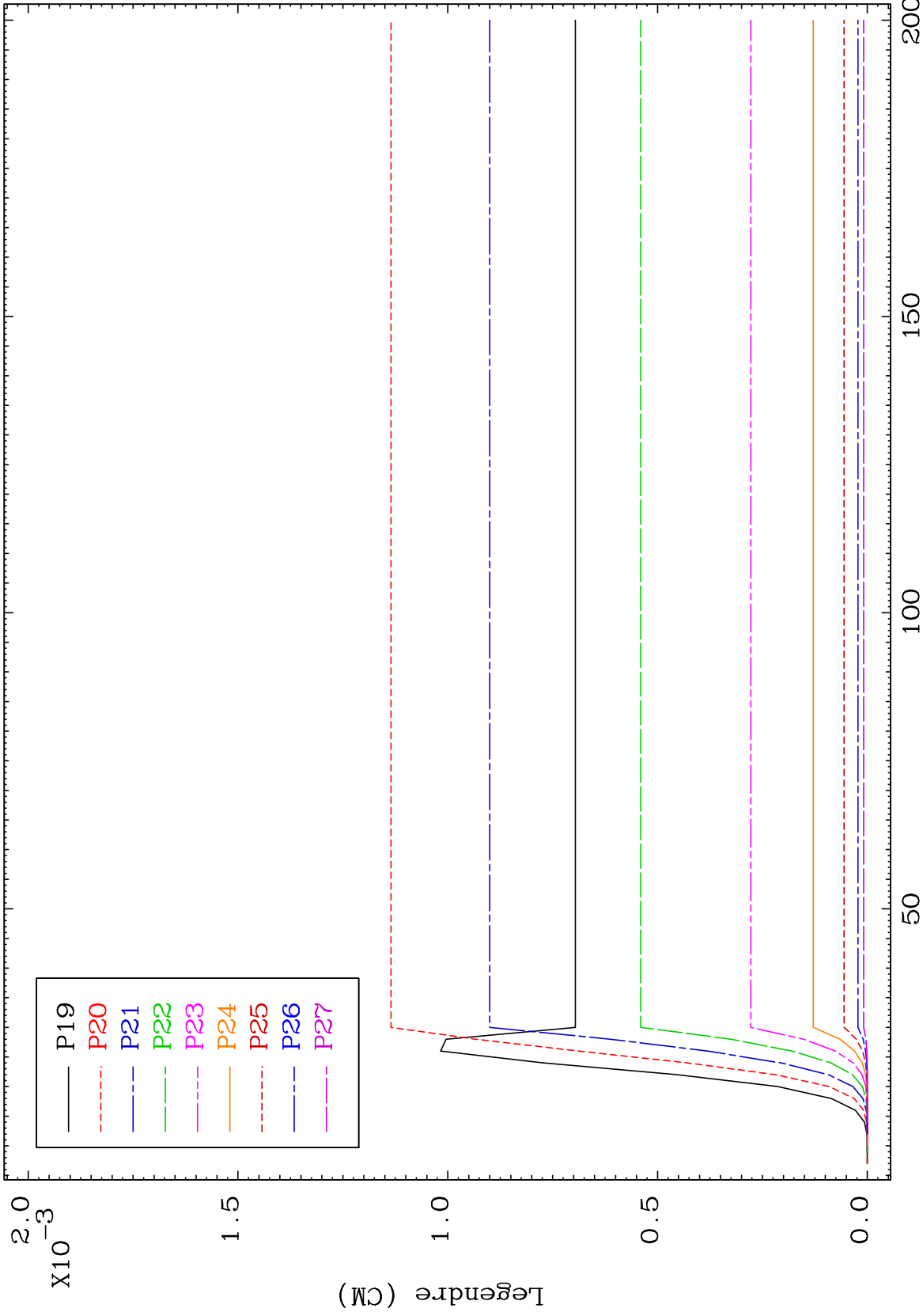
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



26

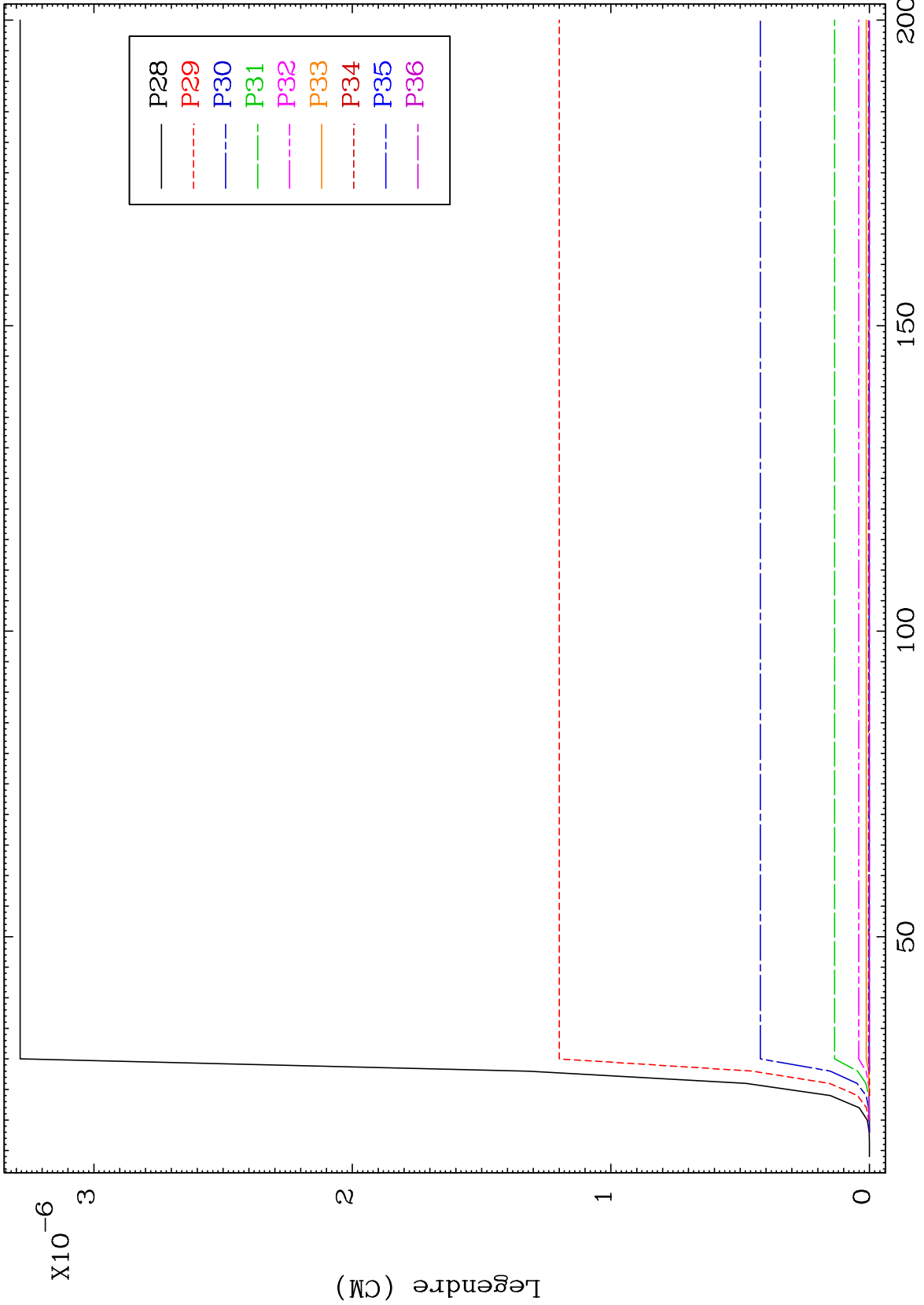
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



27

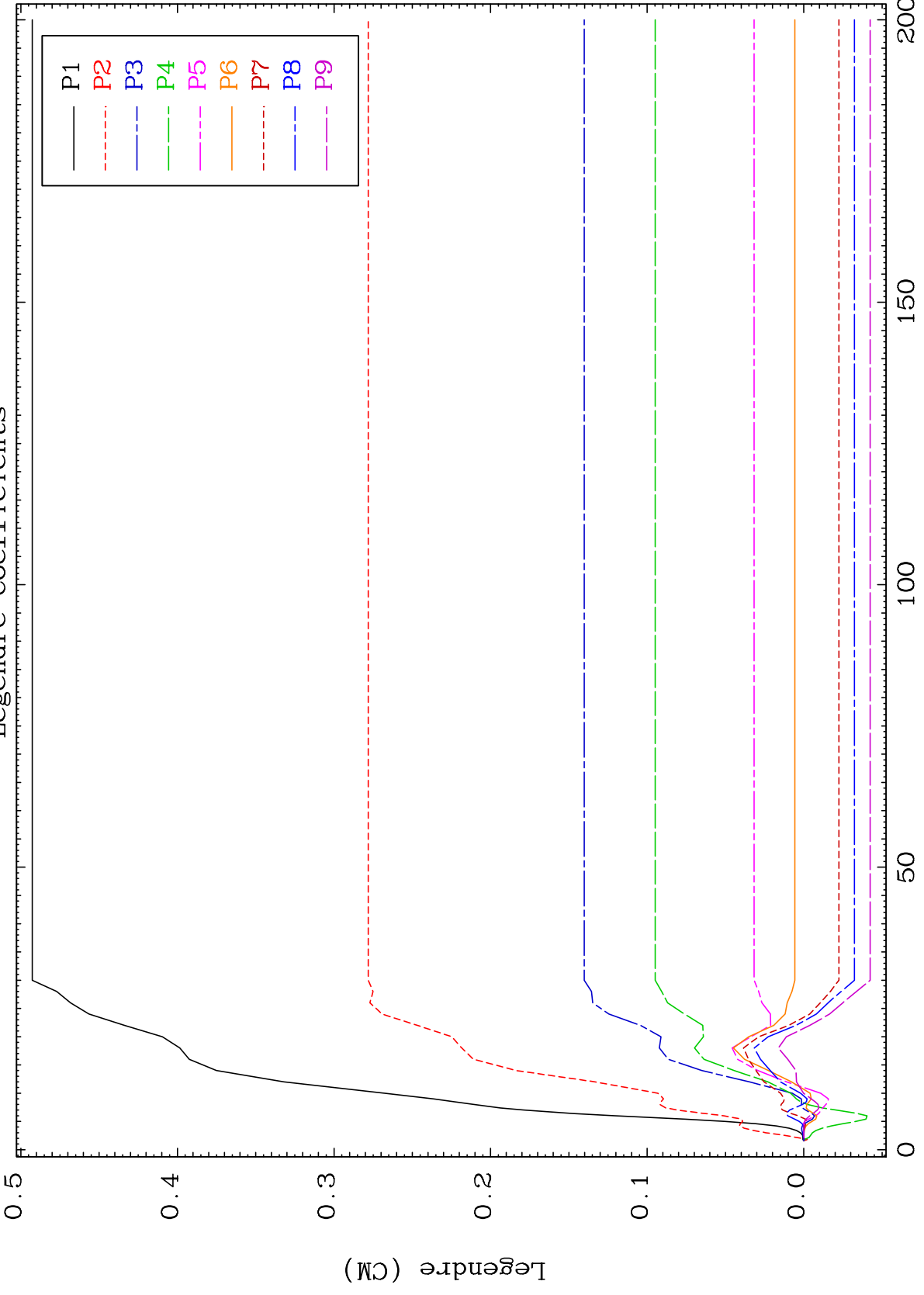
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

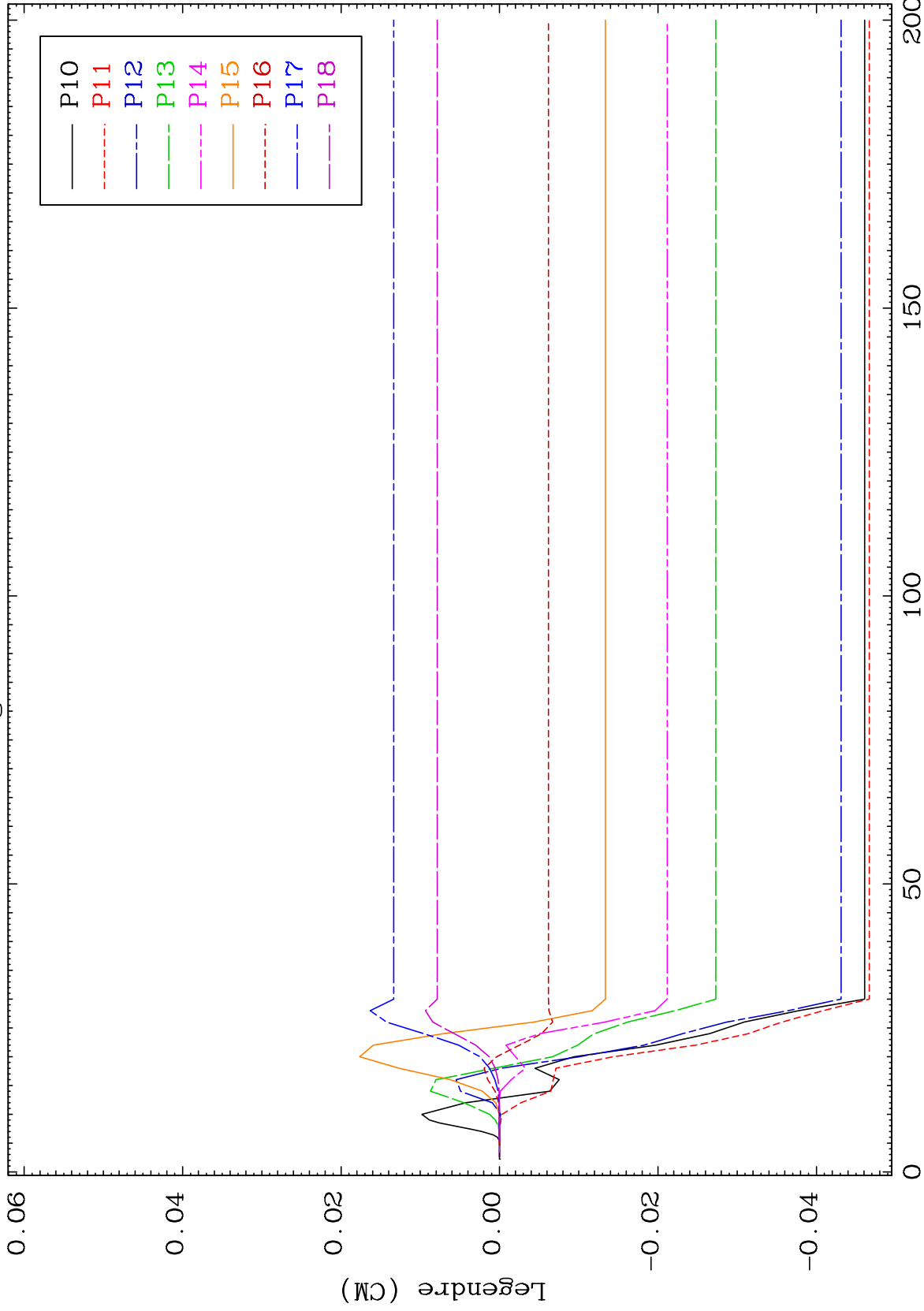
Incident Energy (MeV)

28

MAT 5843

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

58-Ce-142



29

Incident Energy (MeV)

58-Ce-142

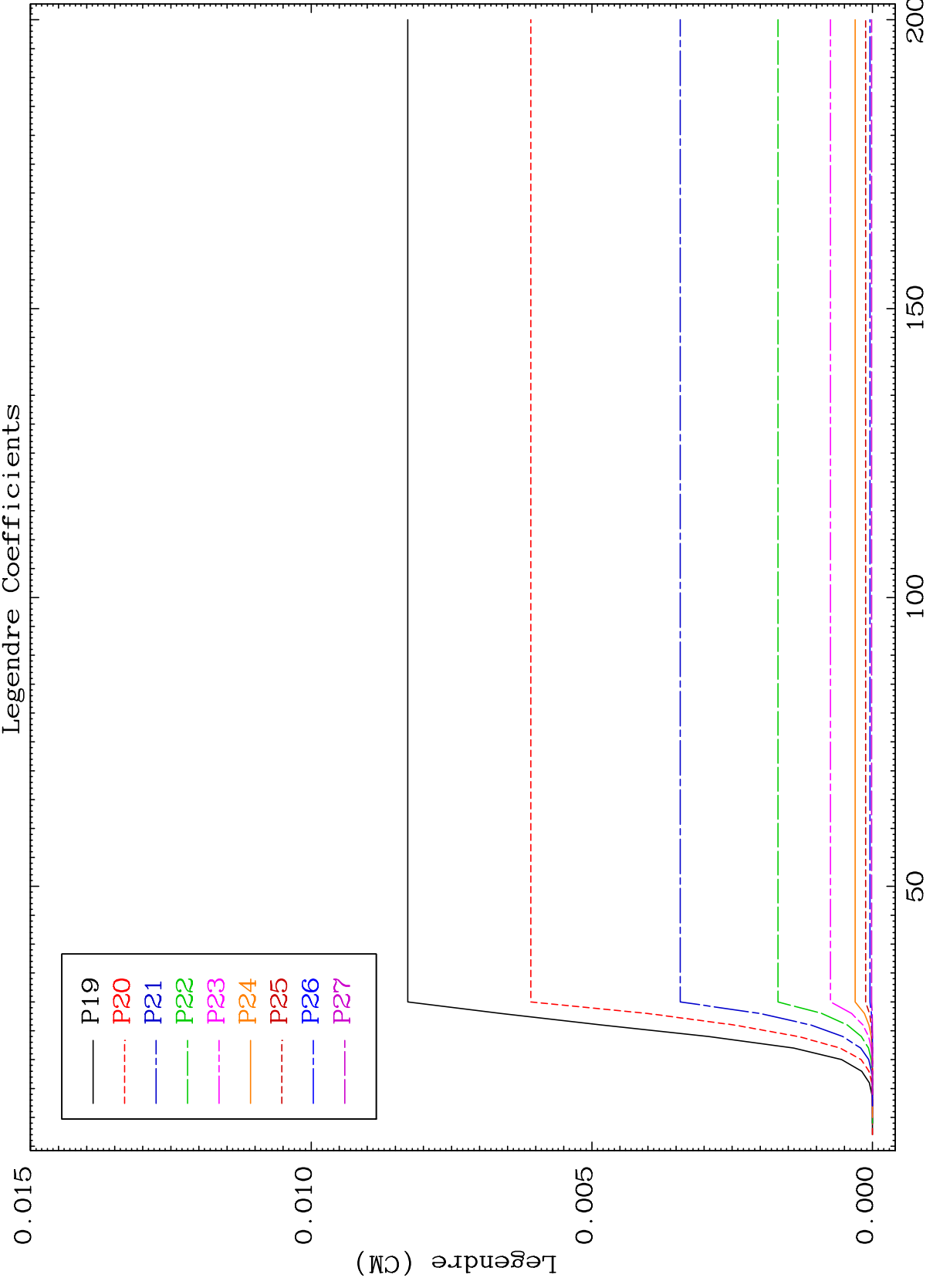
MAT 5843 MT= 53 (n,n') Level Legendre Coefficients

58-Ce-142

58-Ce-142

Incident Energy (MeV)

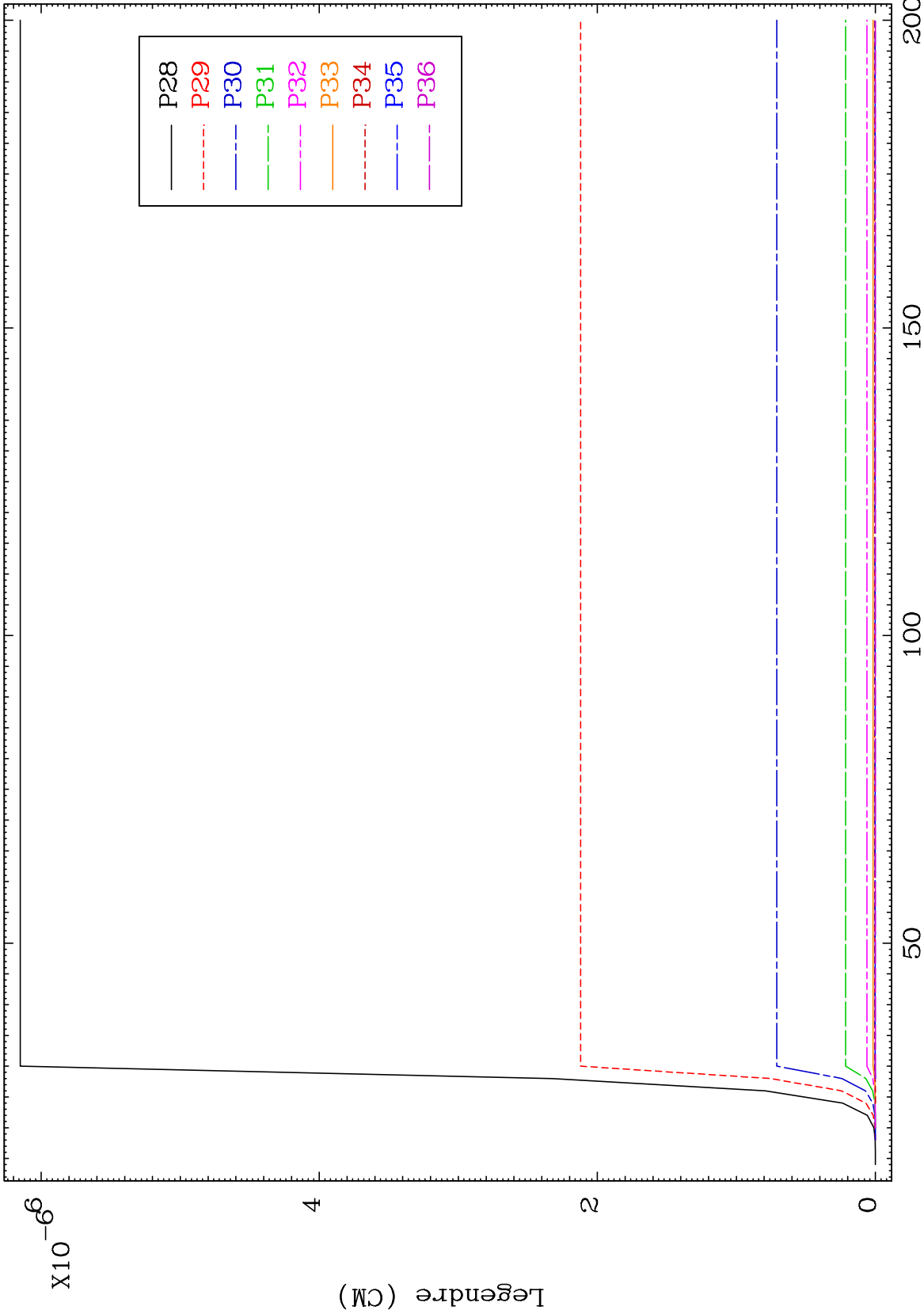
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MAT 5843

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

58-Ce-142



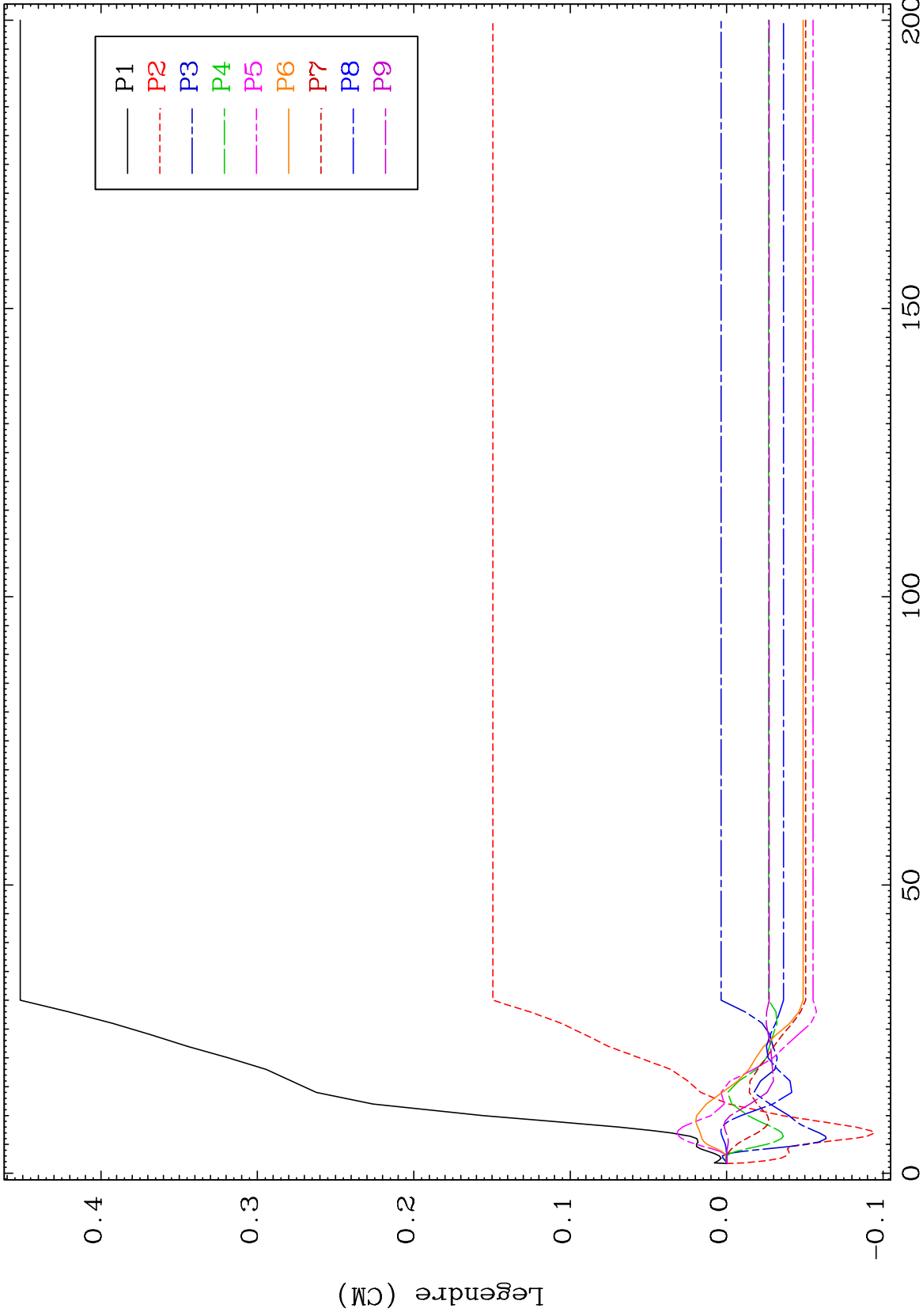
31

58-Ce-142

MAT 5843

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

58-Ce-142



32

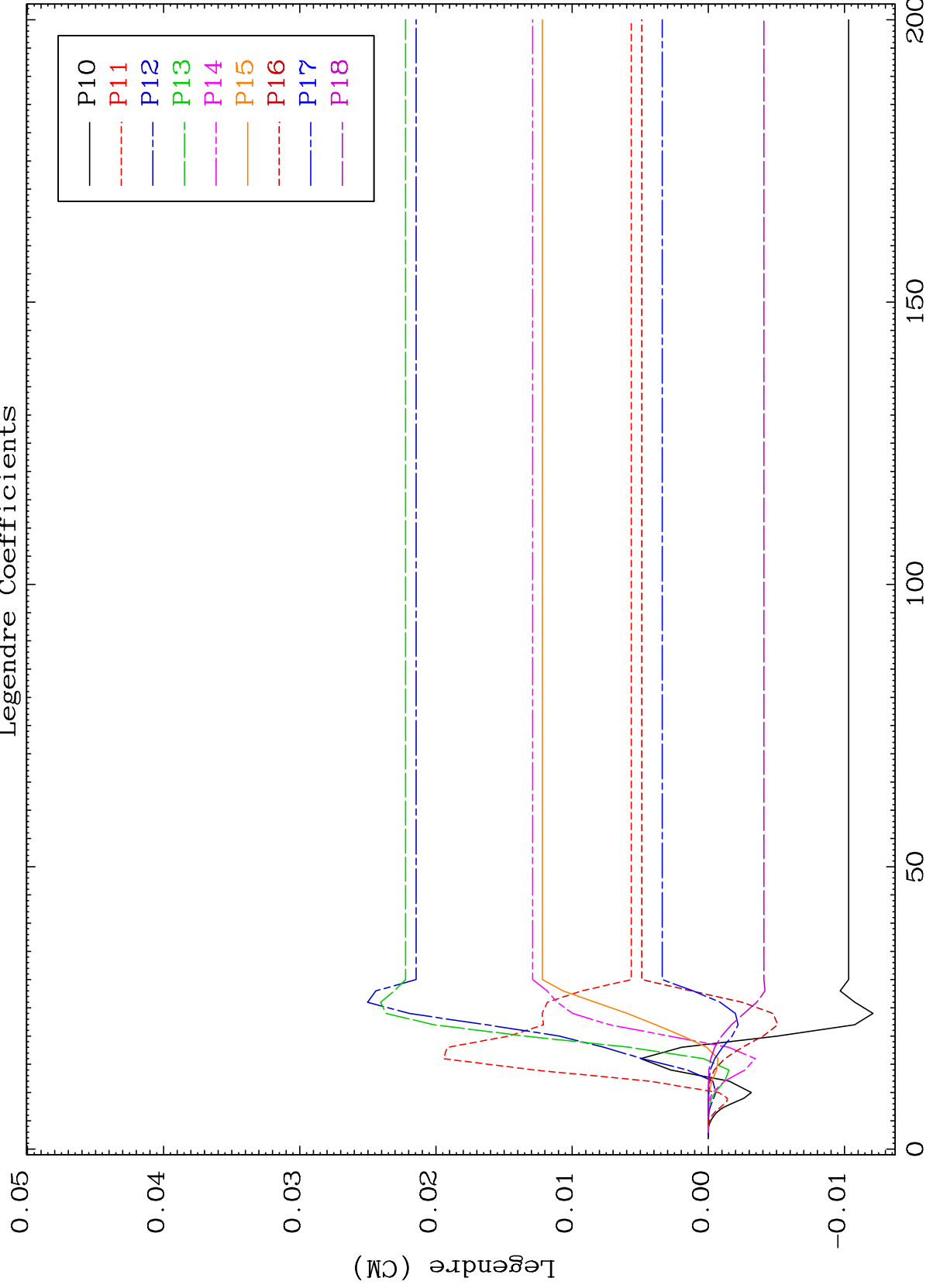
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



33

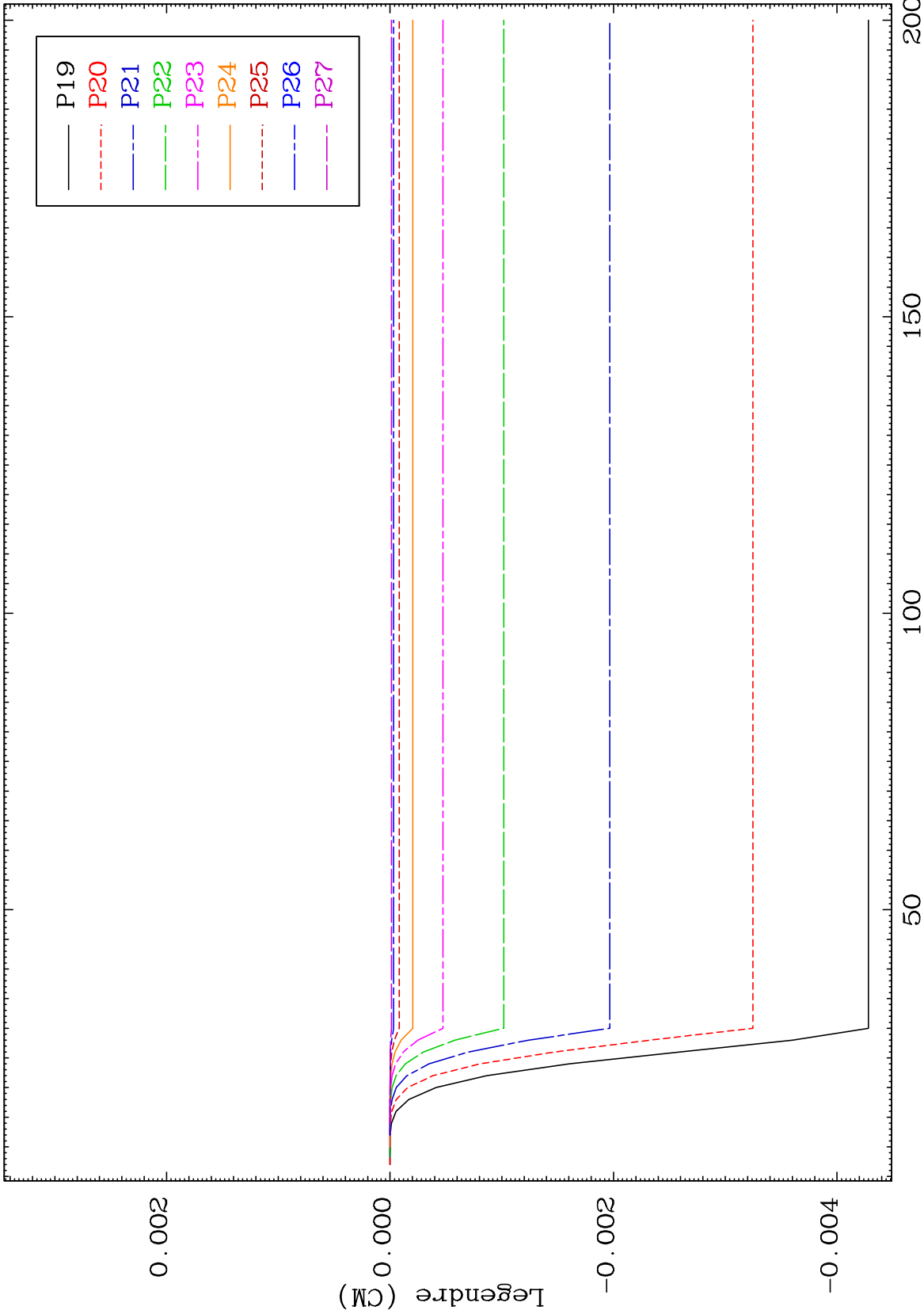
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



34

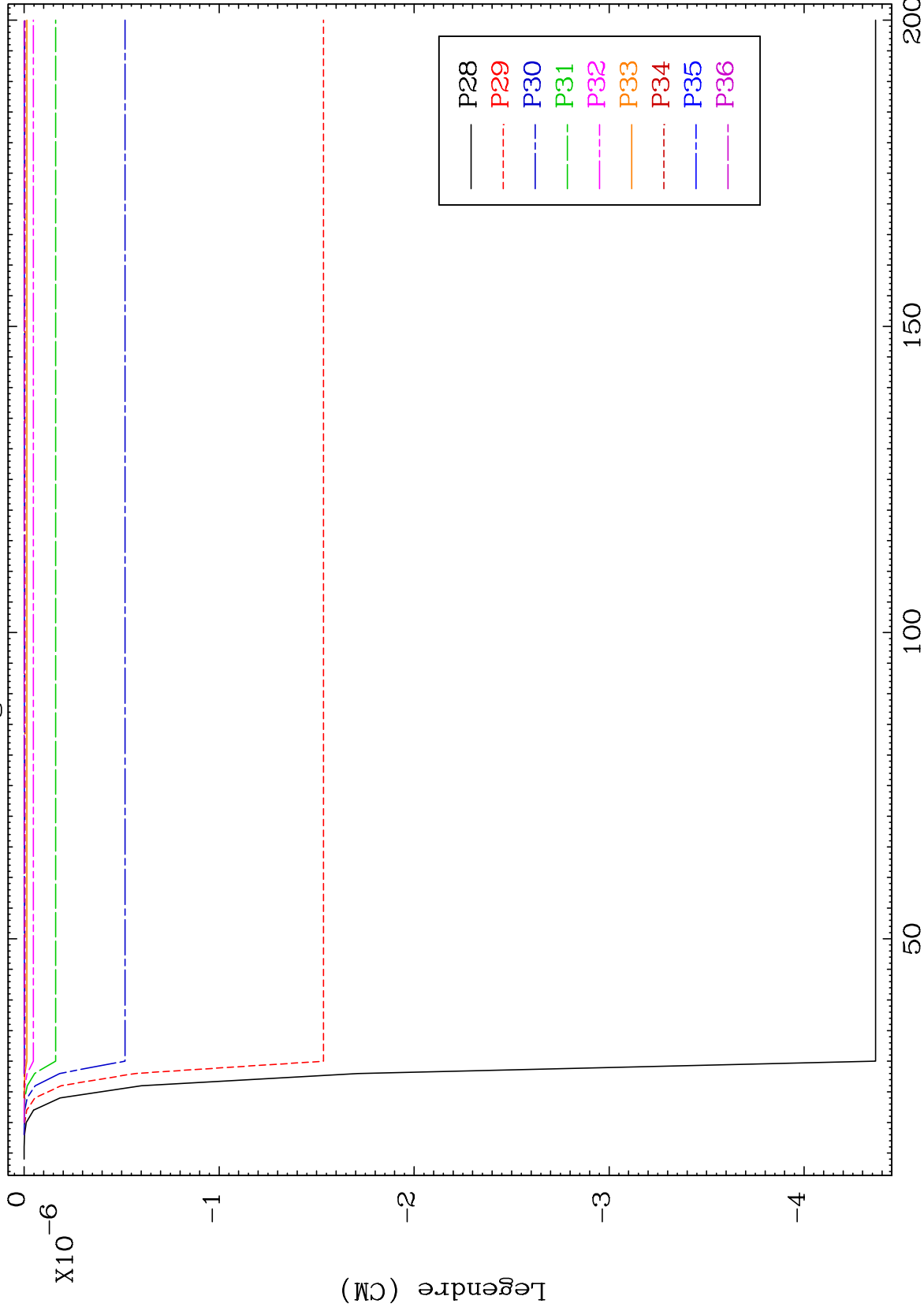
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

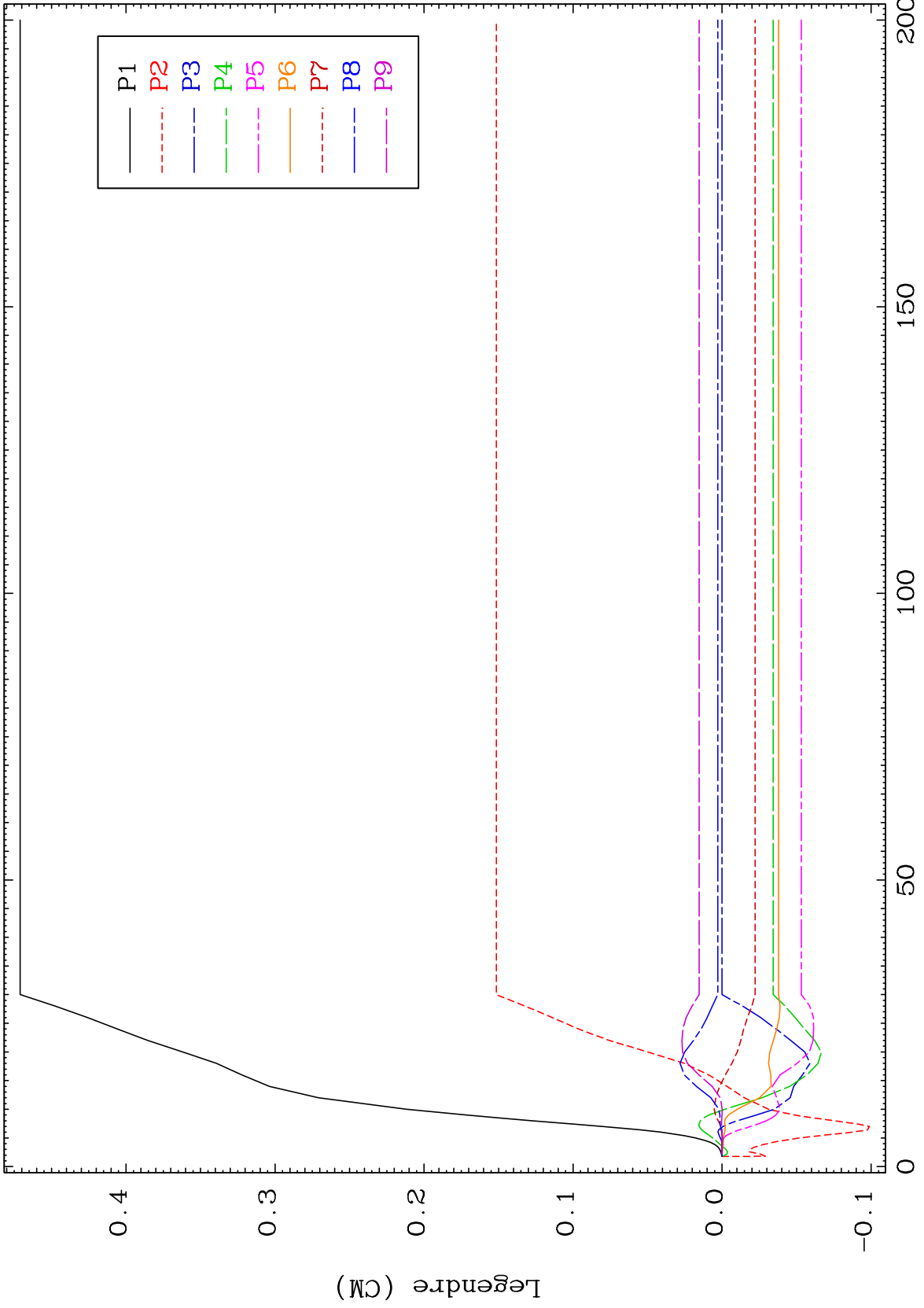
Incident Energy (MeV)

35

MAT 5843

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

58-Ce-142



36

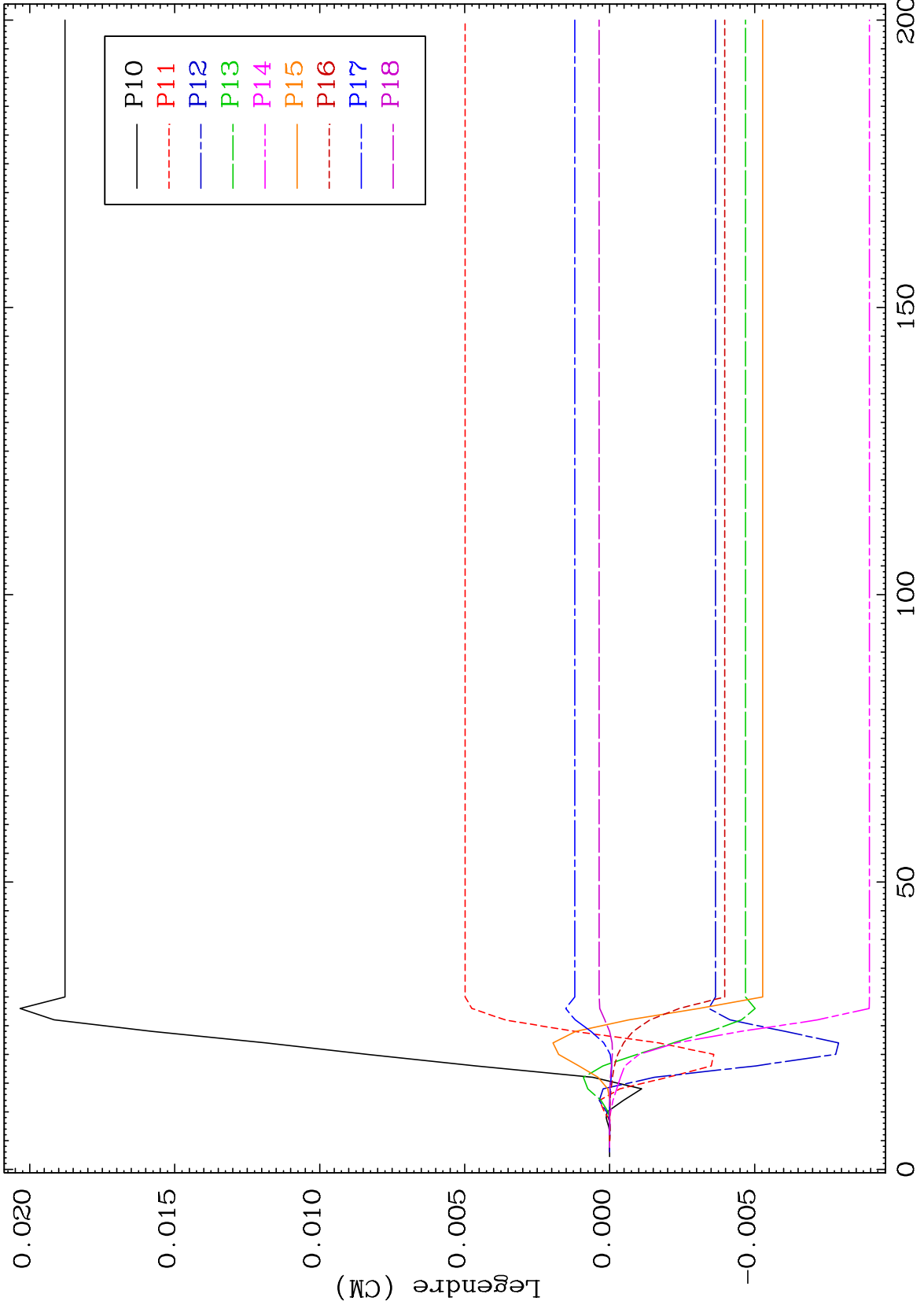
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



37

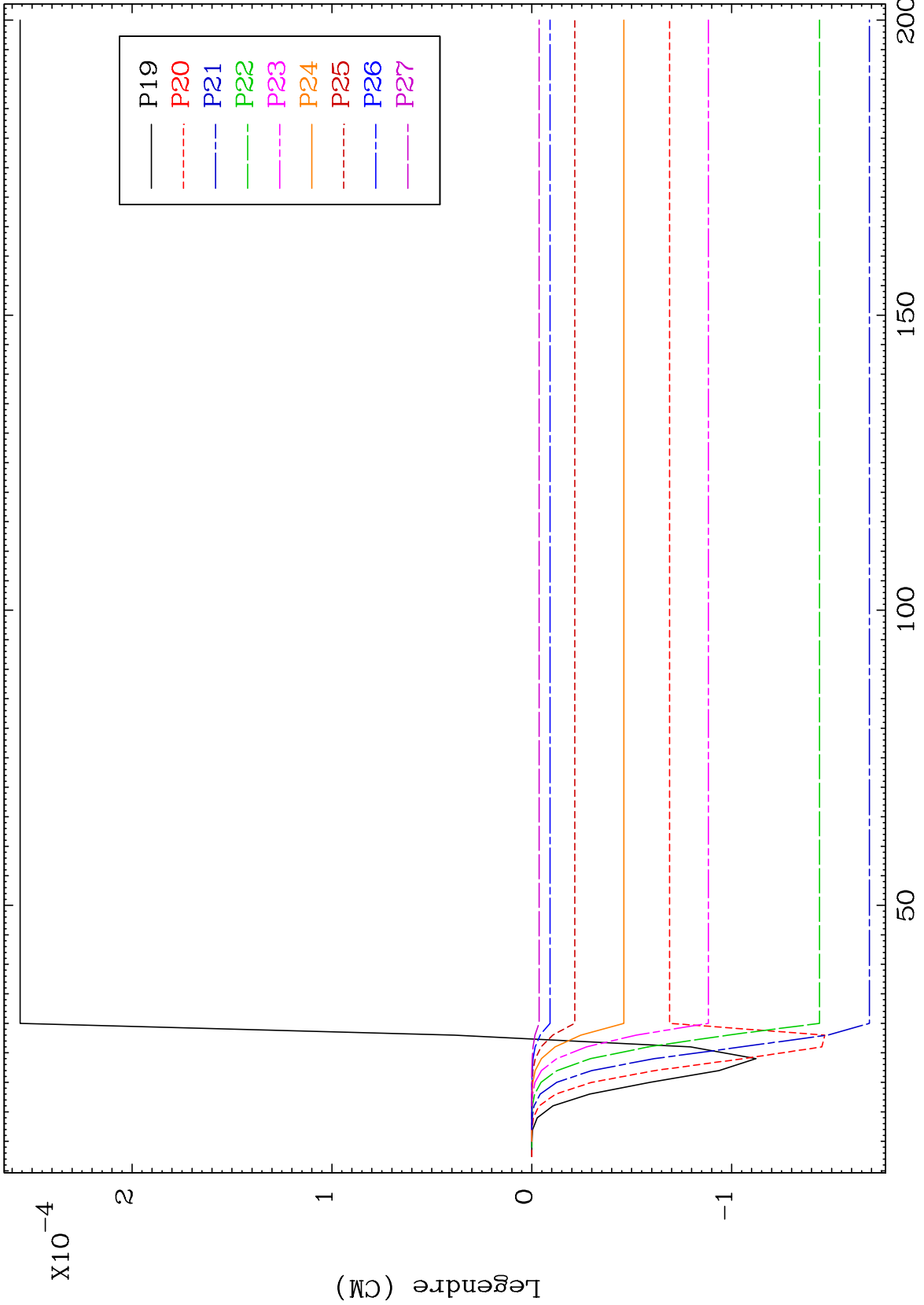
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



38

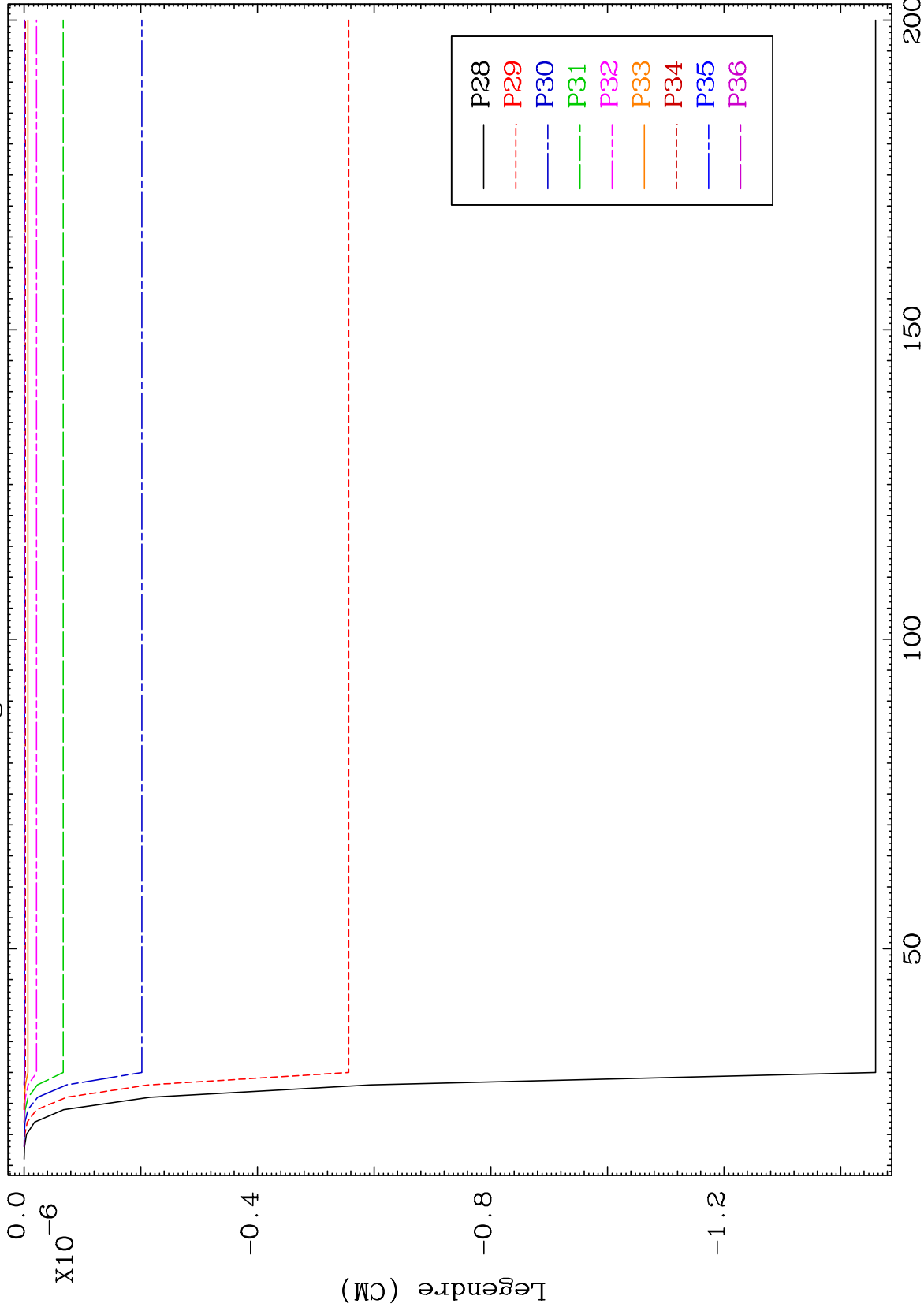
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



39

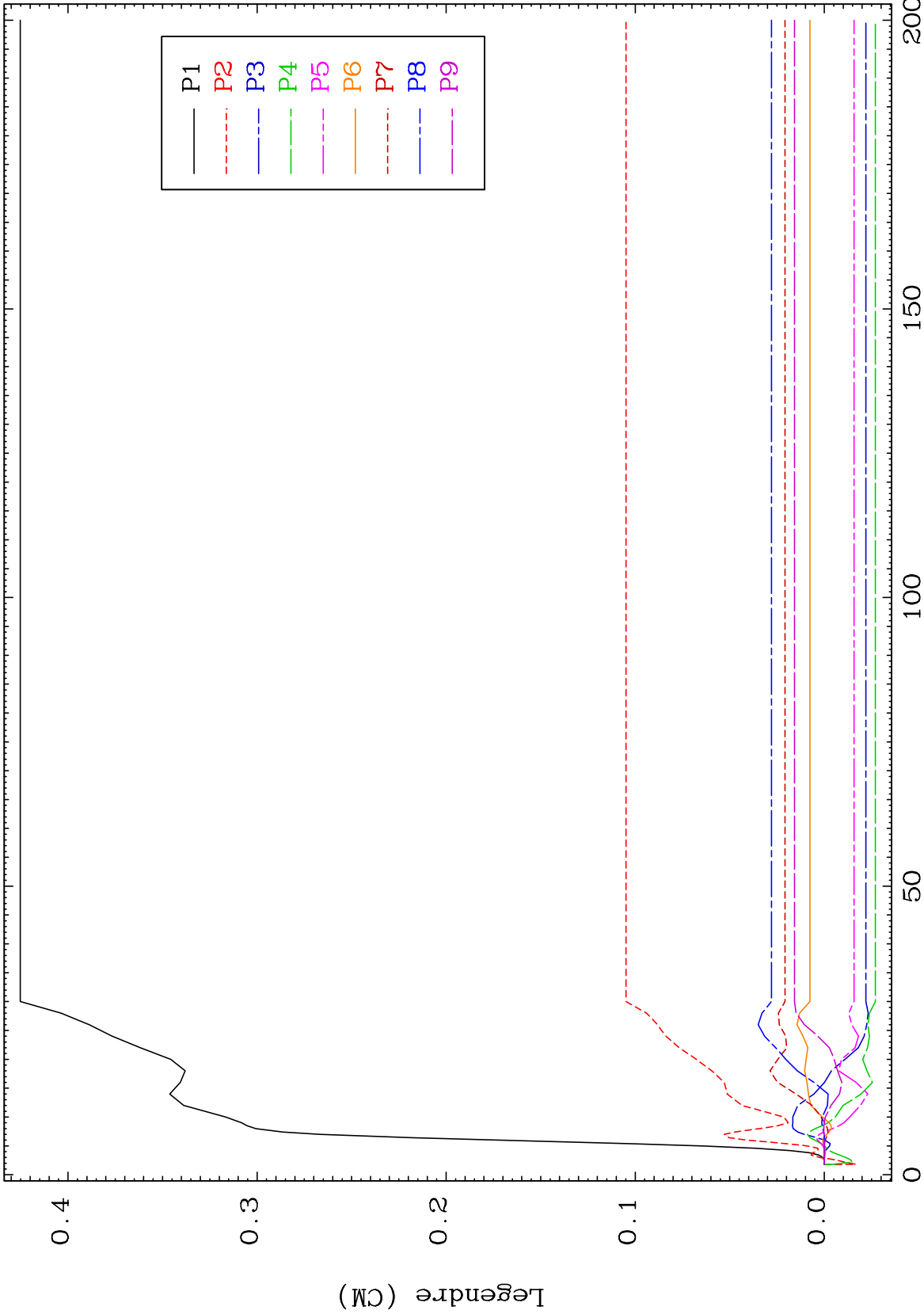
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

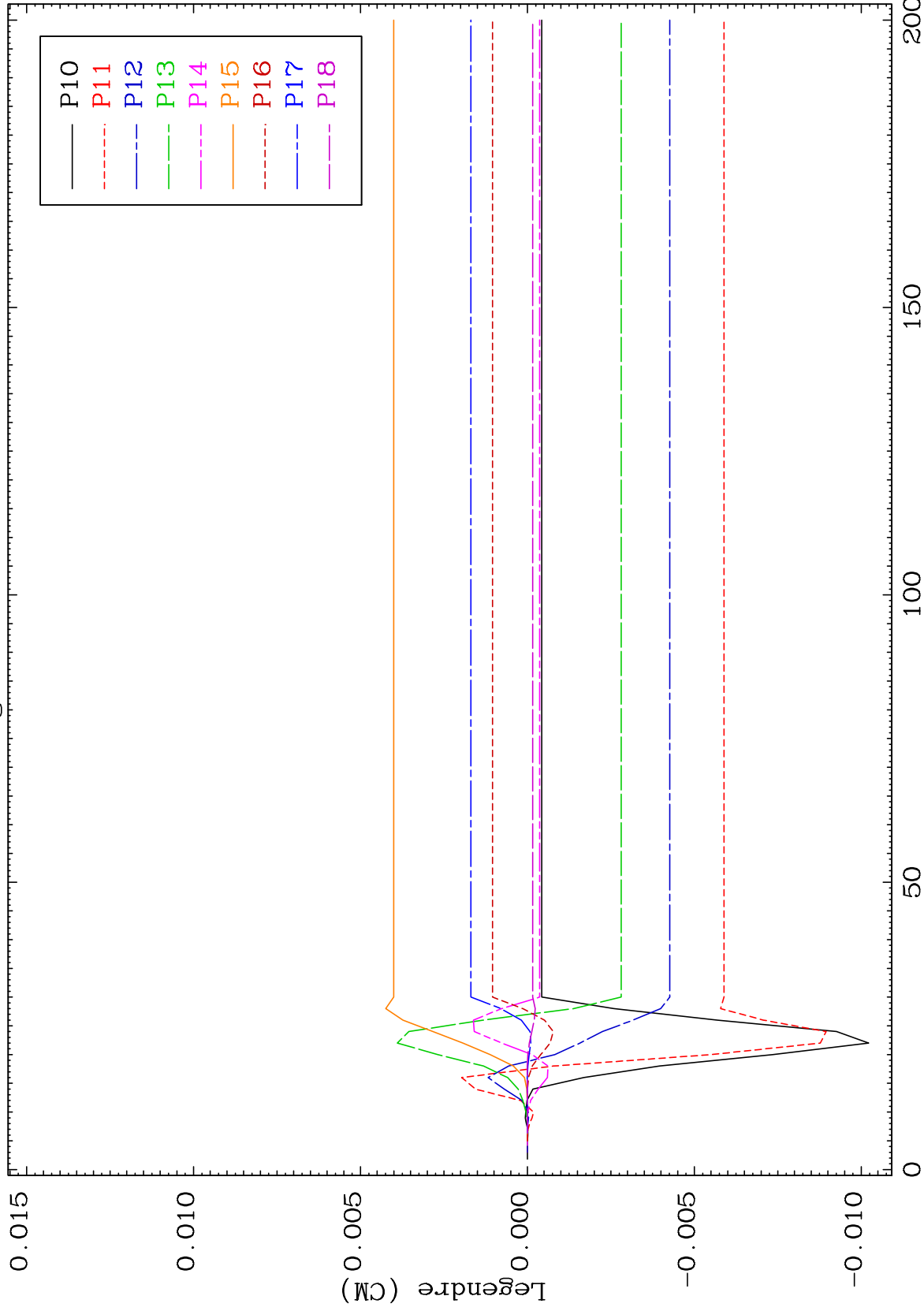
Incident Energy (MeV)

40

MAT 5843

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

58-Ce-142



41

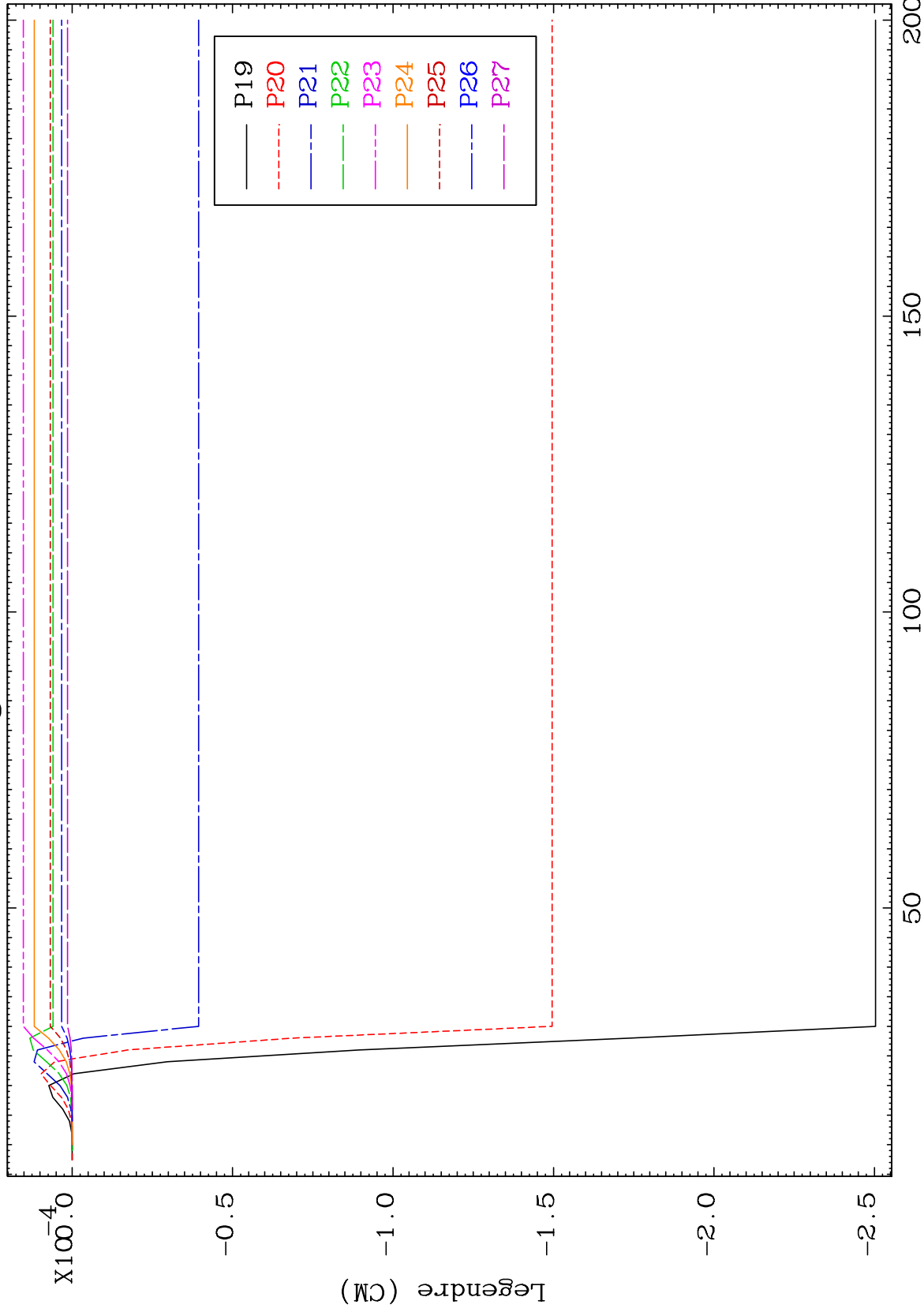
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



42

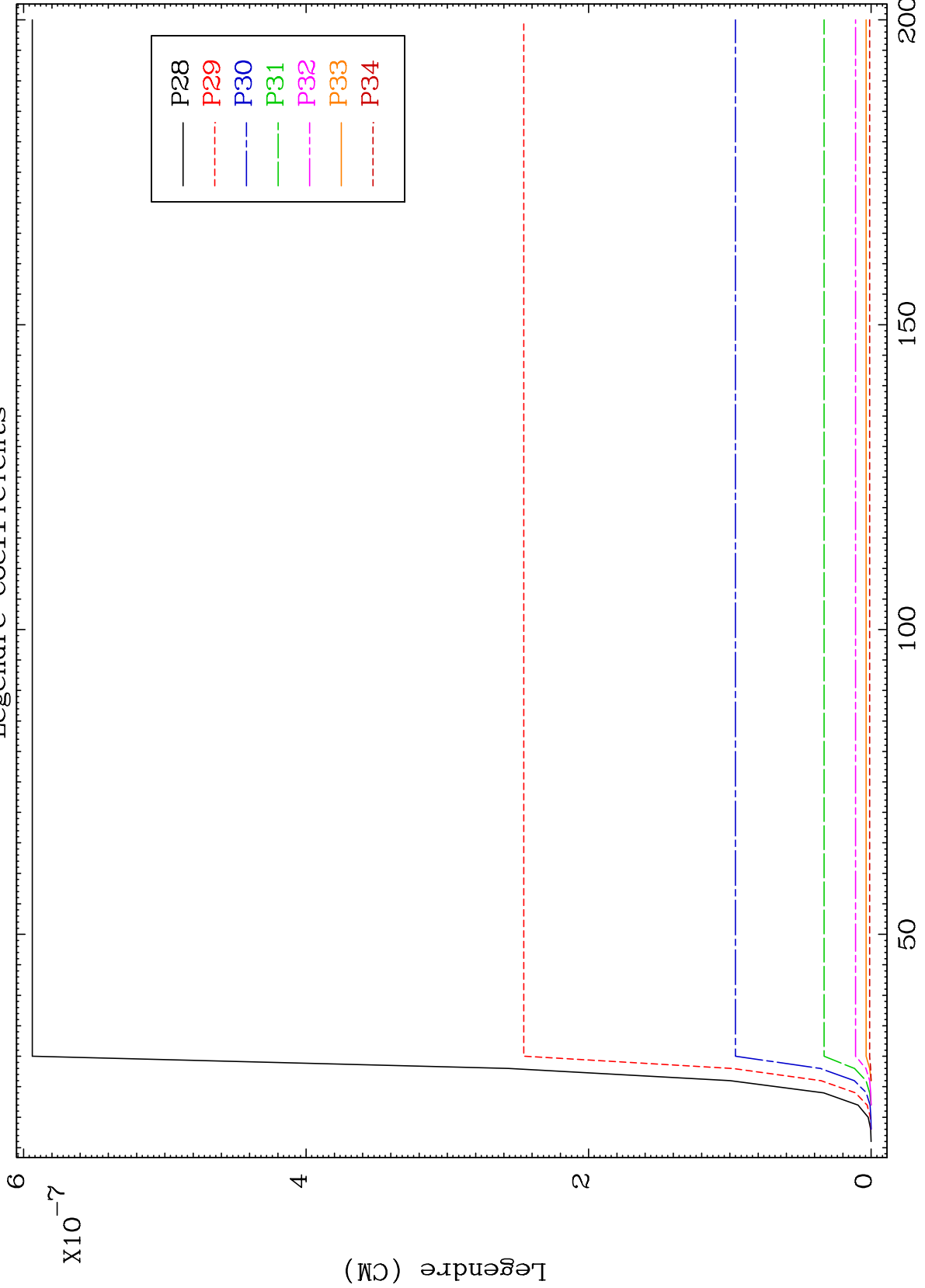
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



43

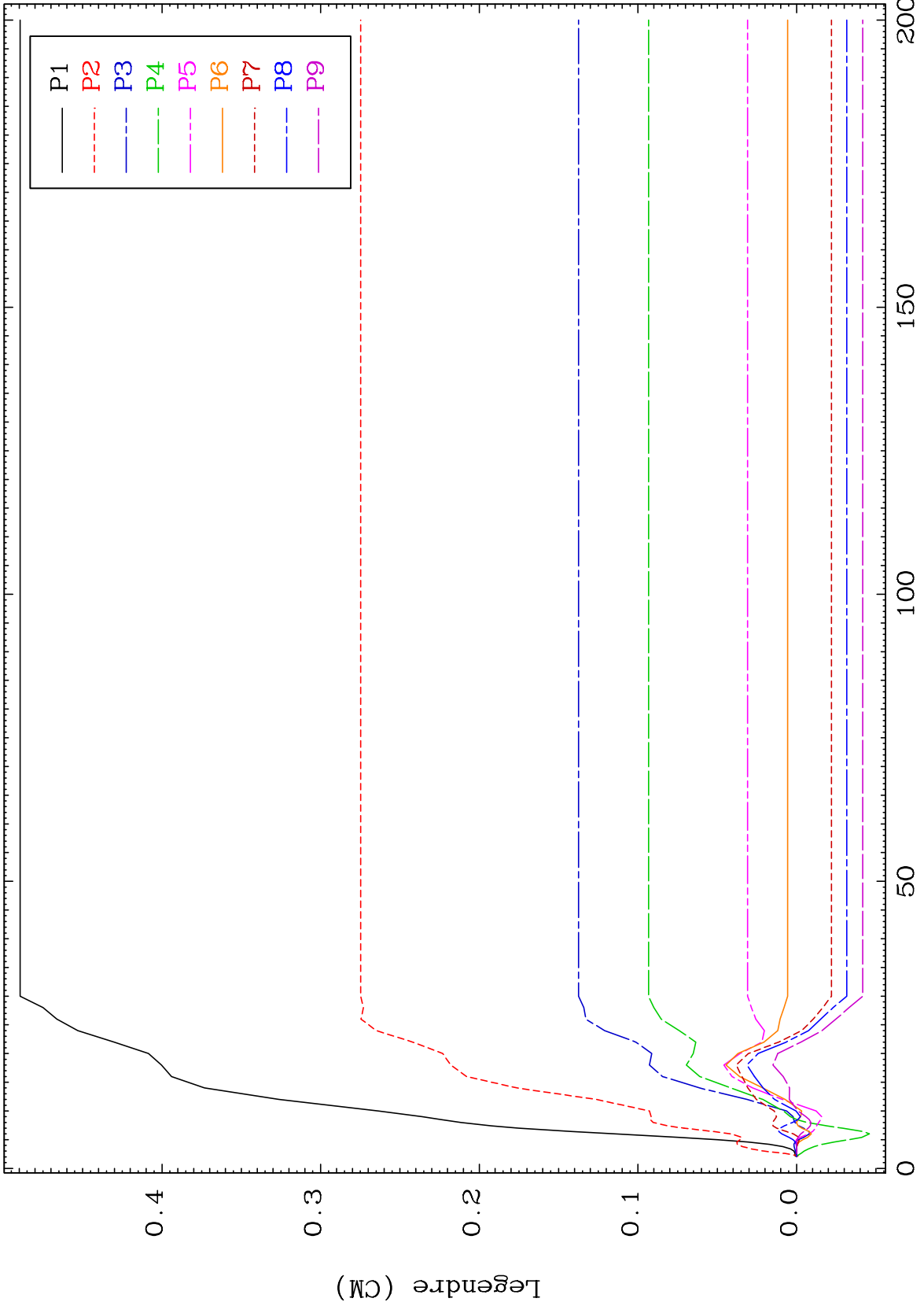
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



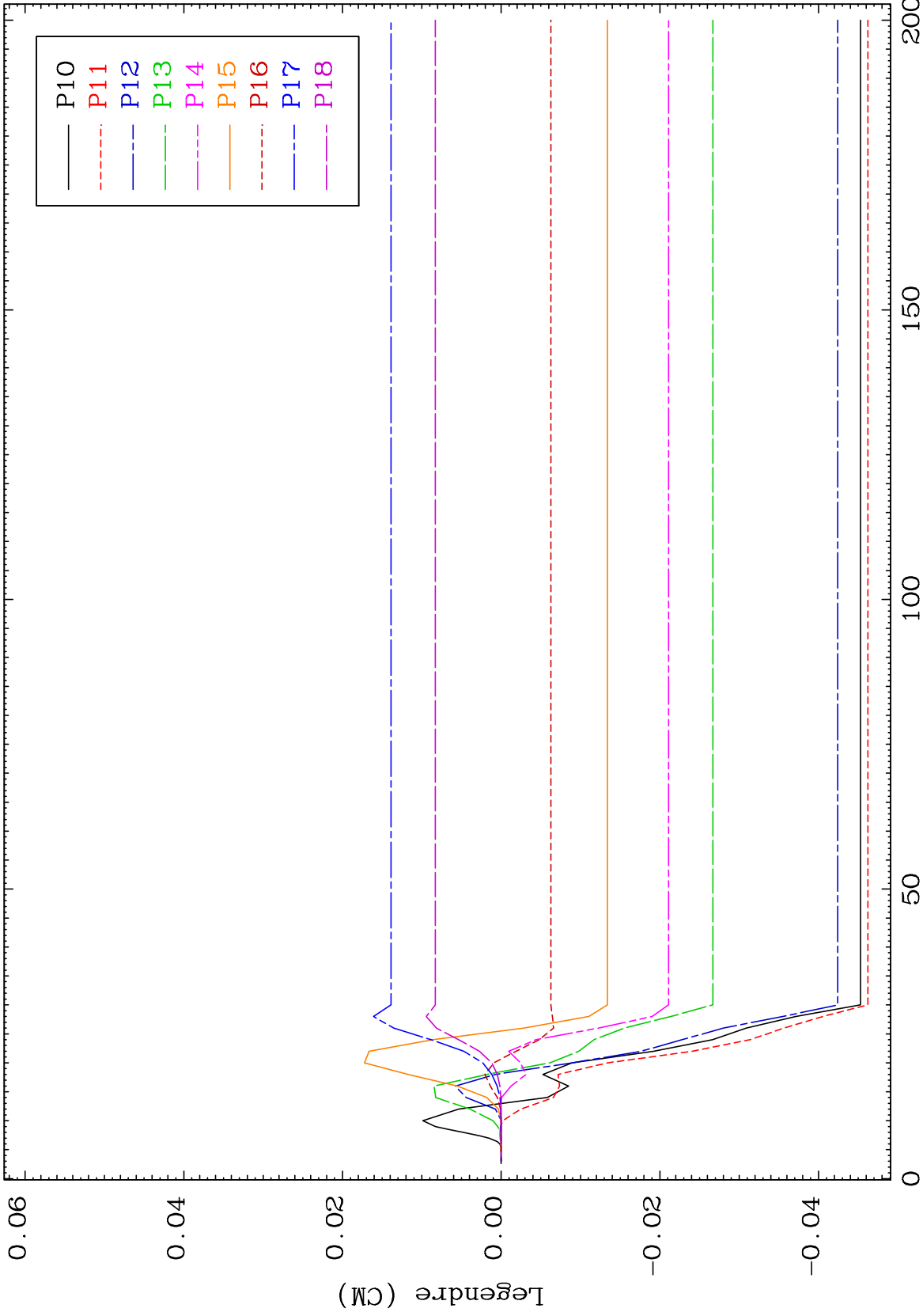
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58-Ce-142

MAT 5843

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

58-Ce-142



45

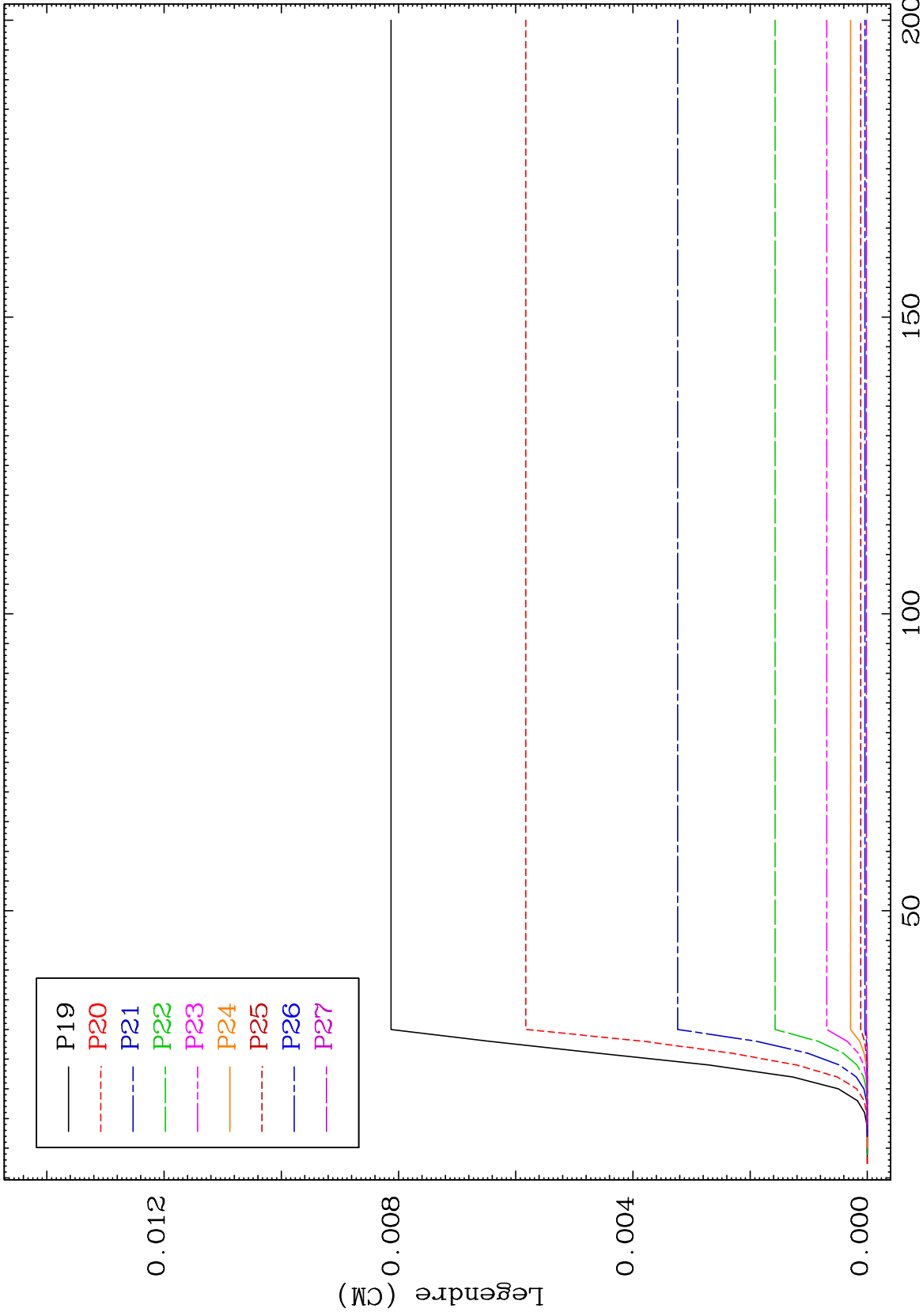
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



46

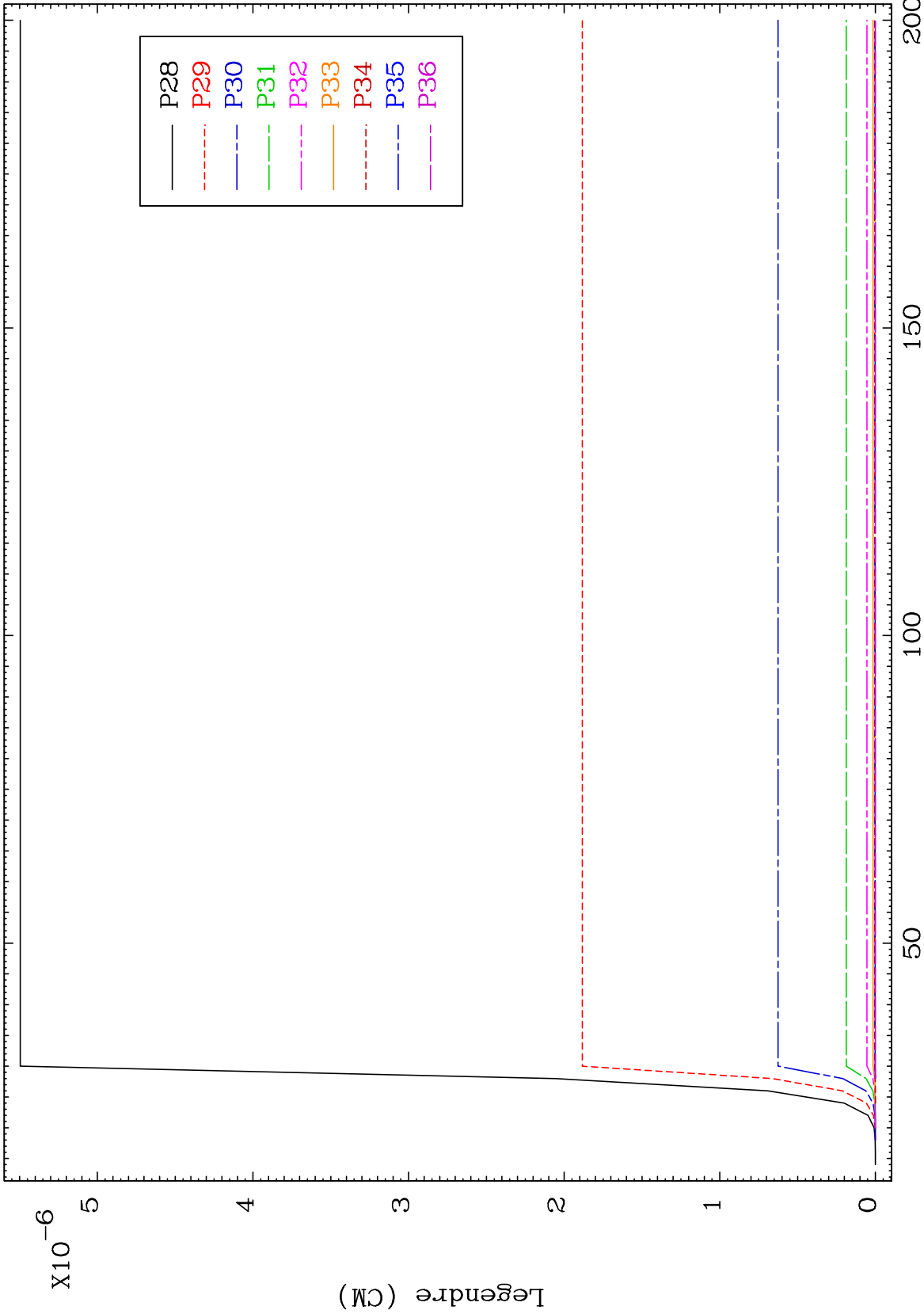
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142

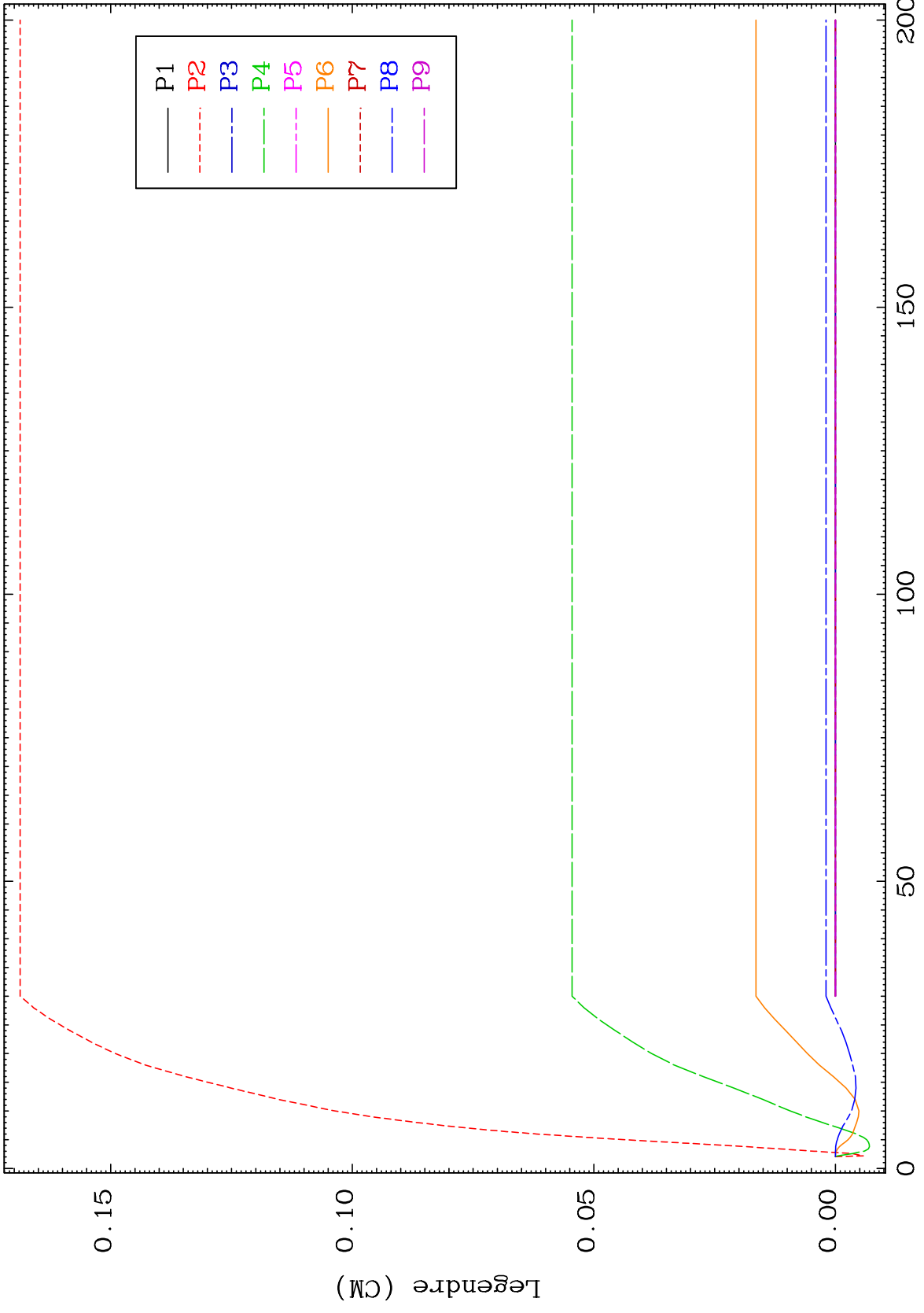


47

Incident Energy (MeV)

58-Ce-142

MAT 5843 MT= 58 (n,n') Level Legendre Coefficients 58-Ce-142

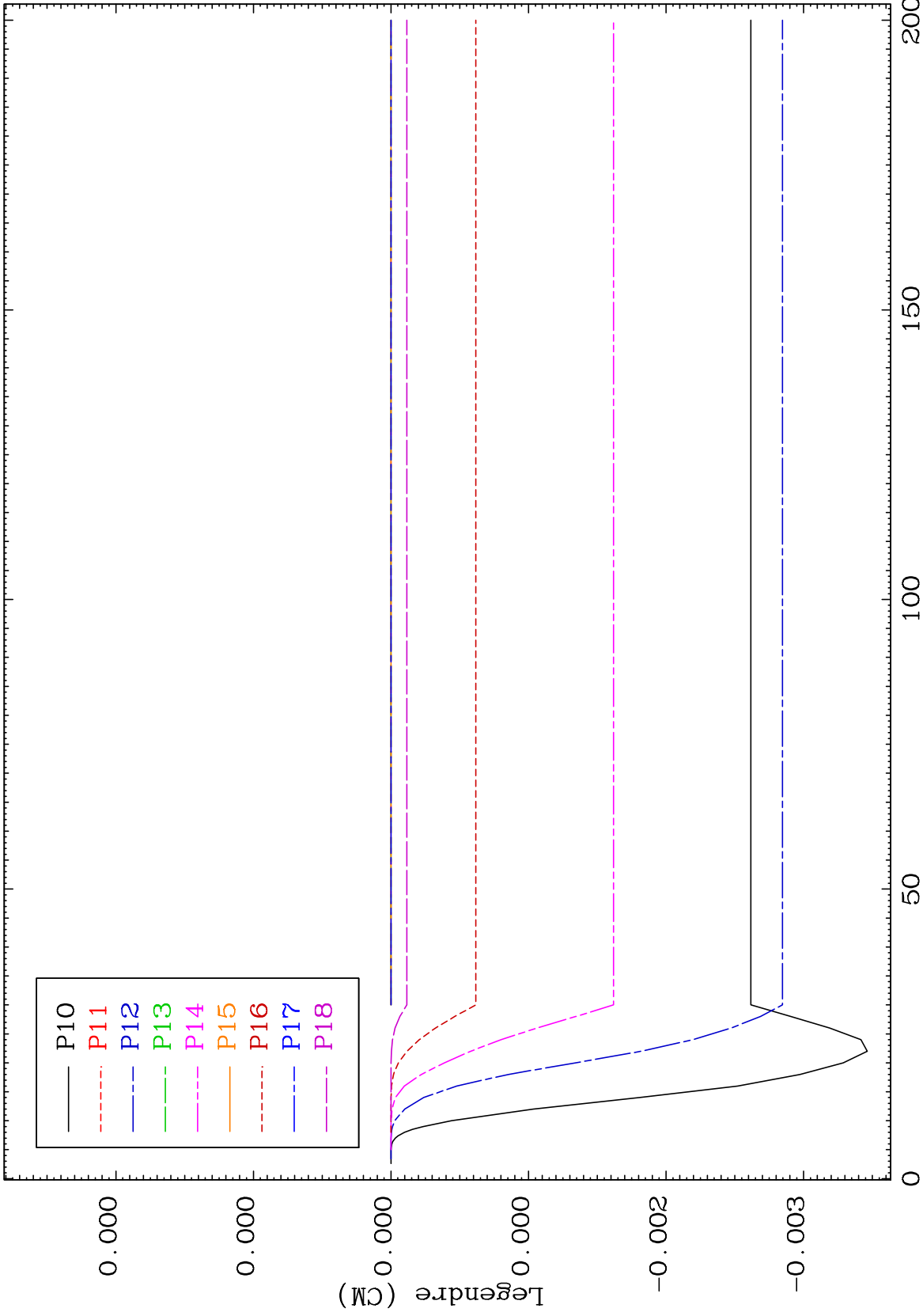


48 Incident Energy (MeV) 58-Ce-142

MAT 5843

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

58-Ce-142



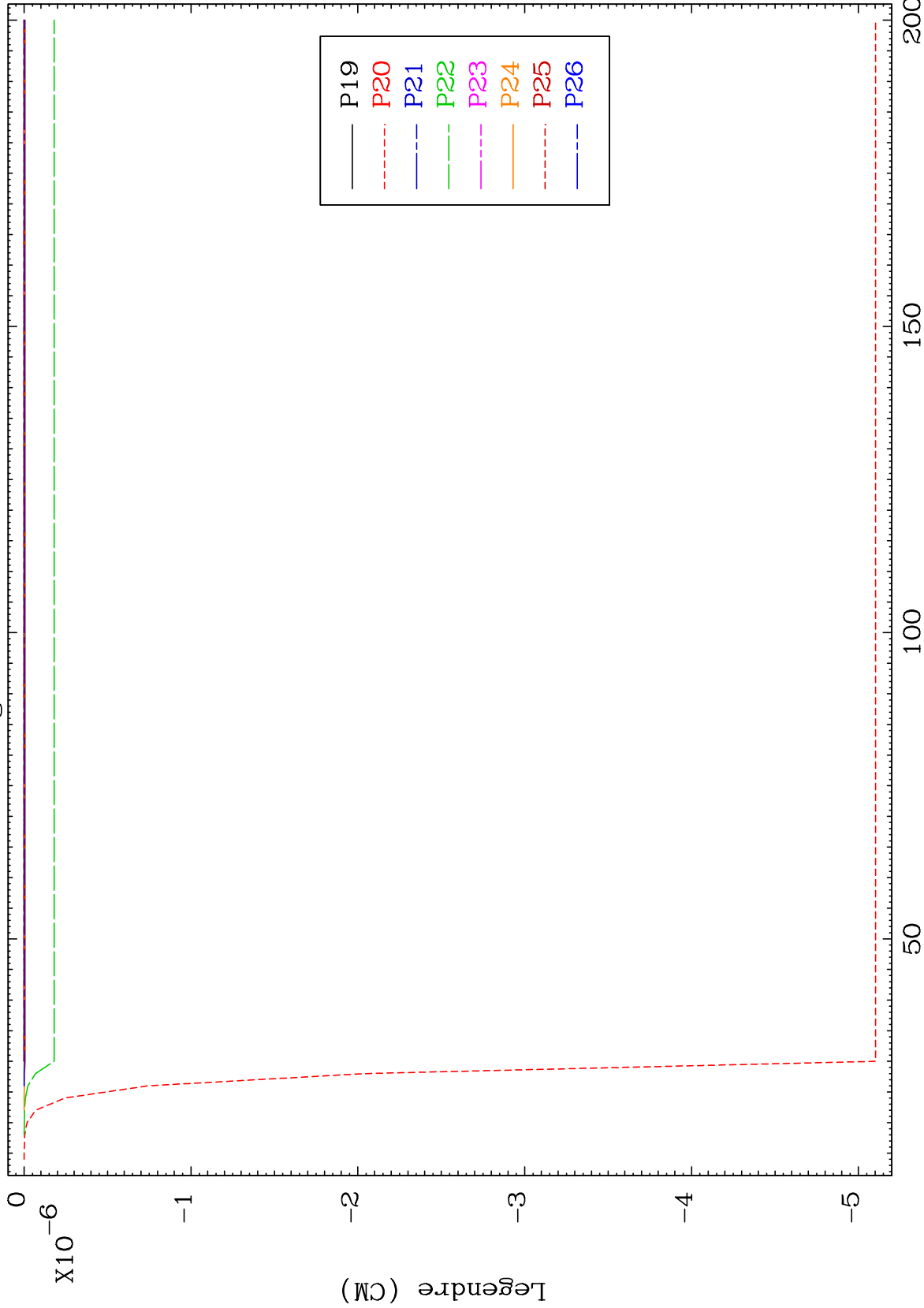
49

58-Ce-142

MAT 5843

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

58-Ce-142



50

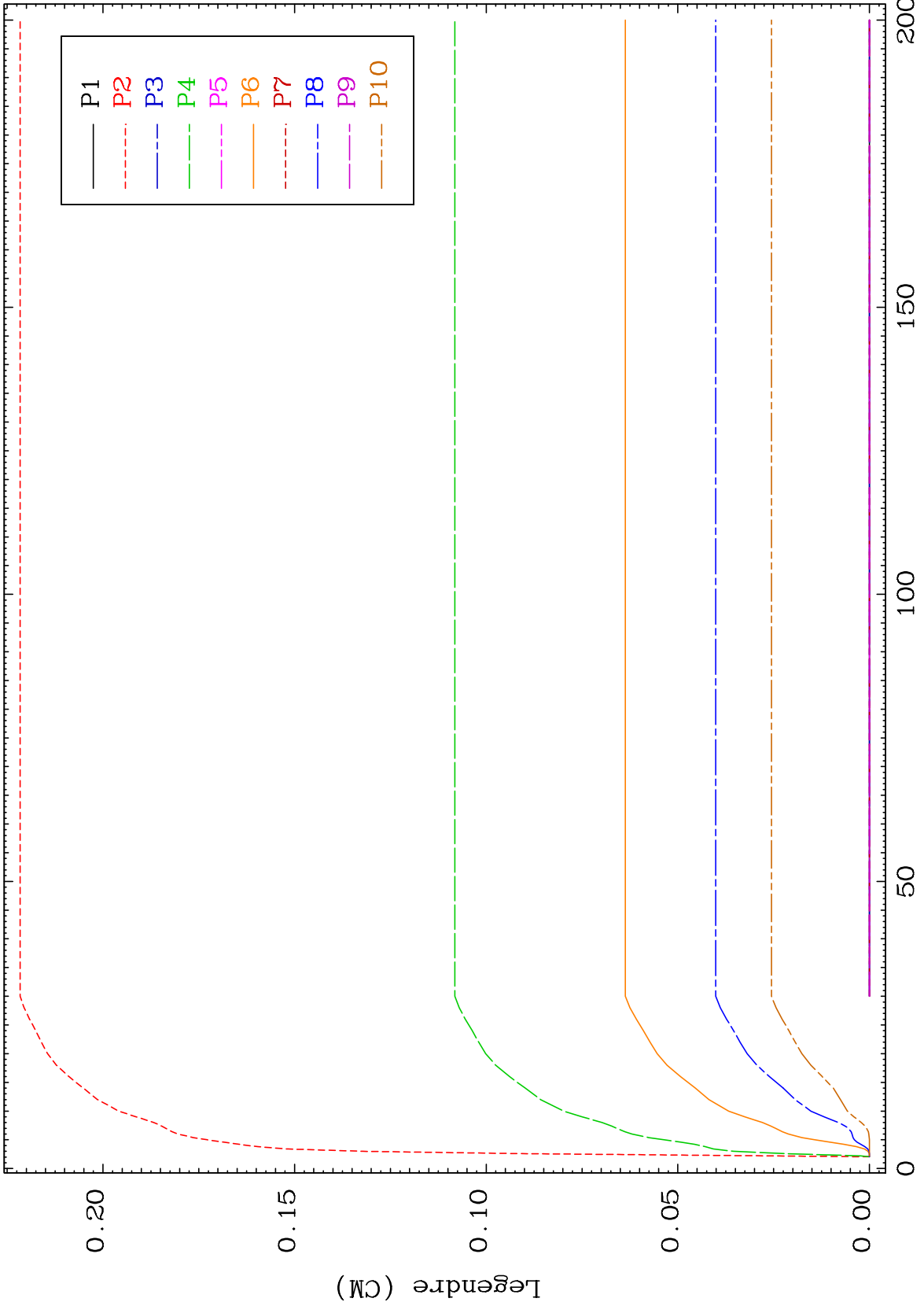
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



51

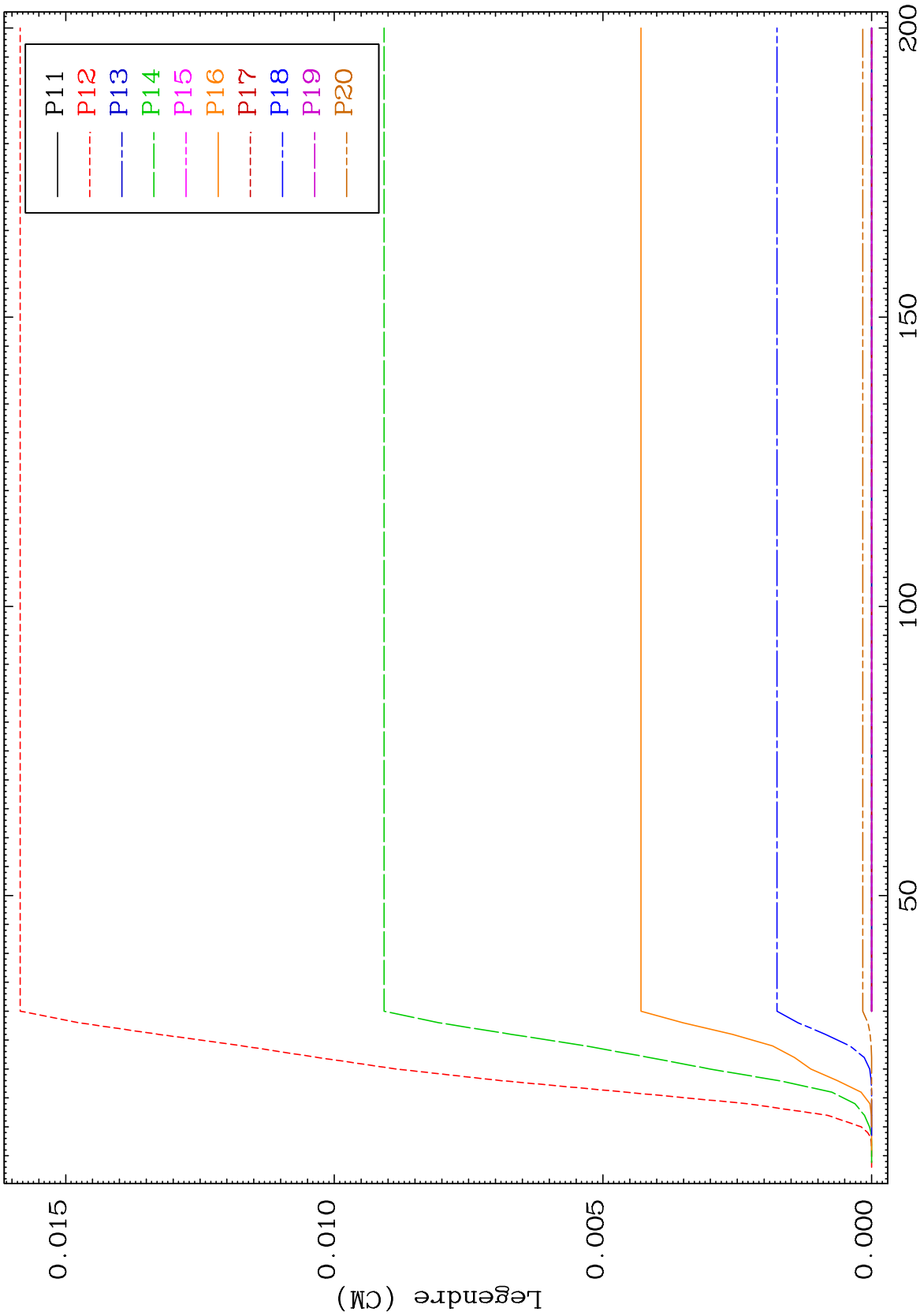
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



52

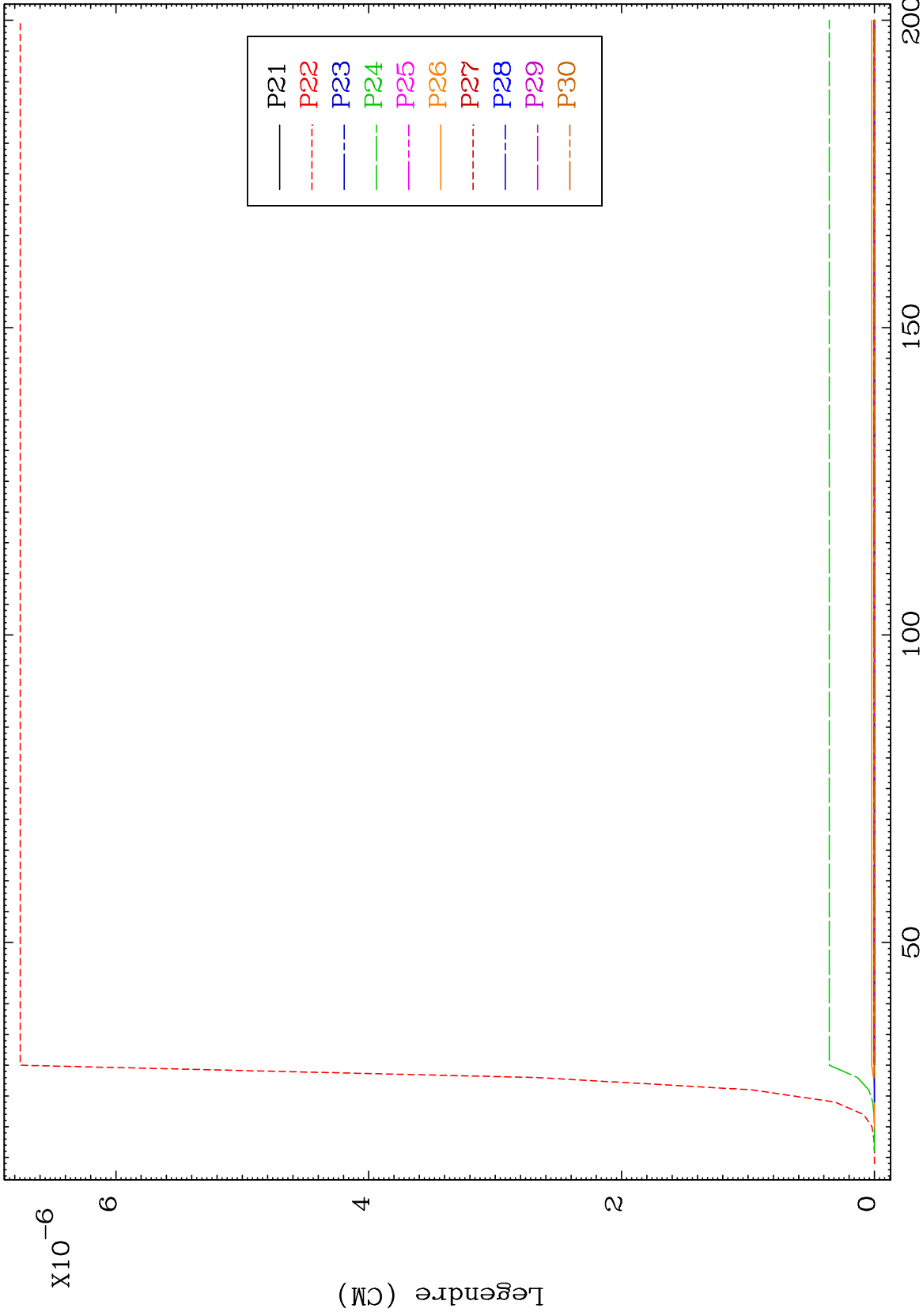
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



53

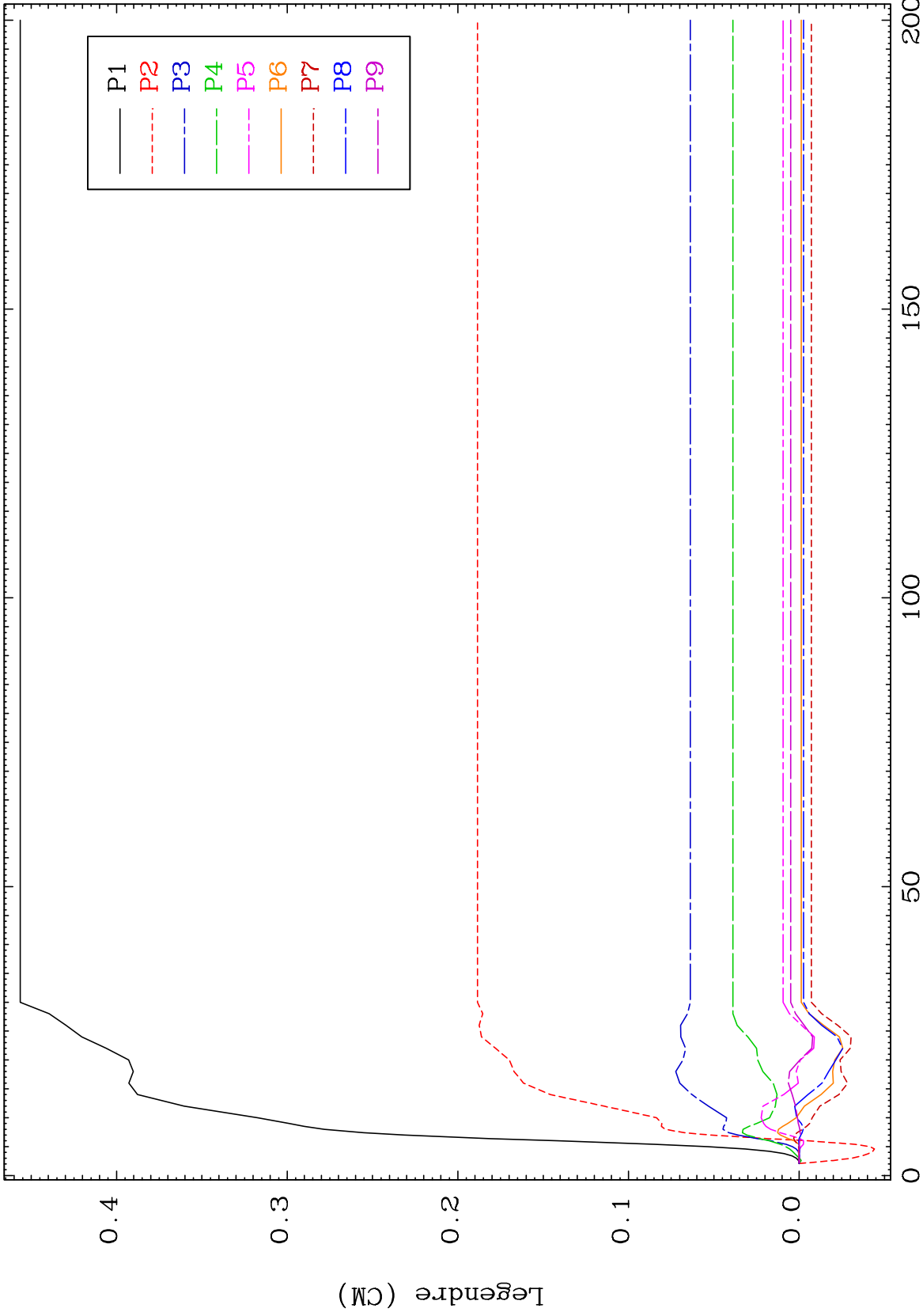
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



54

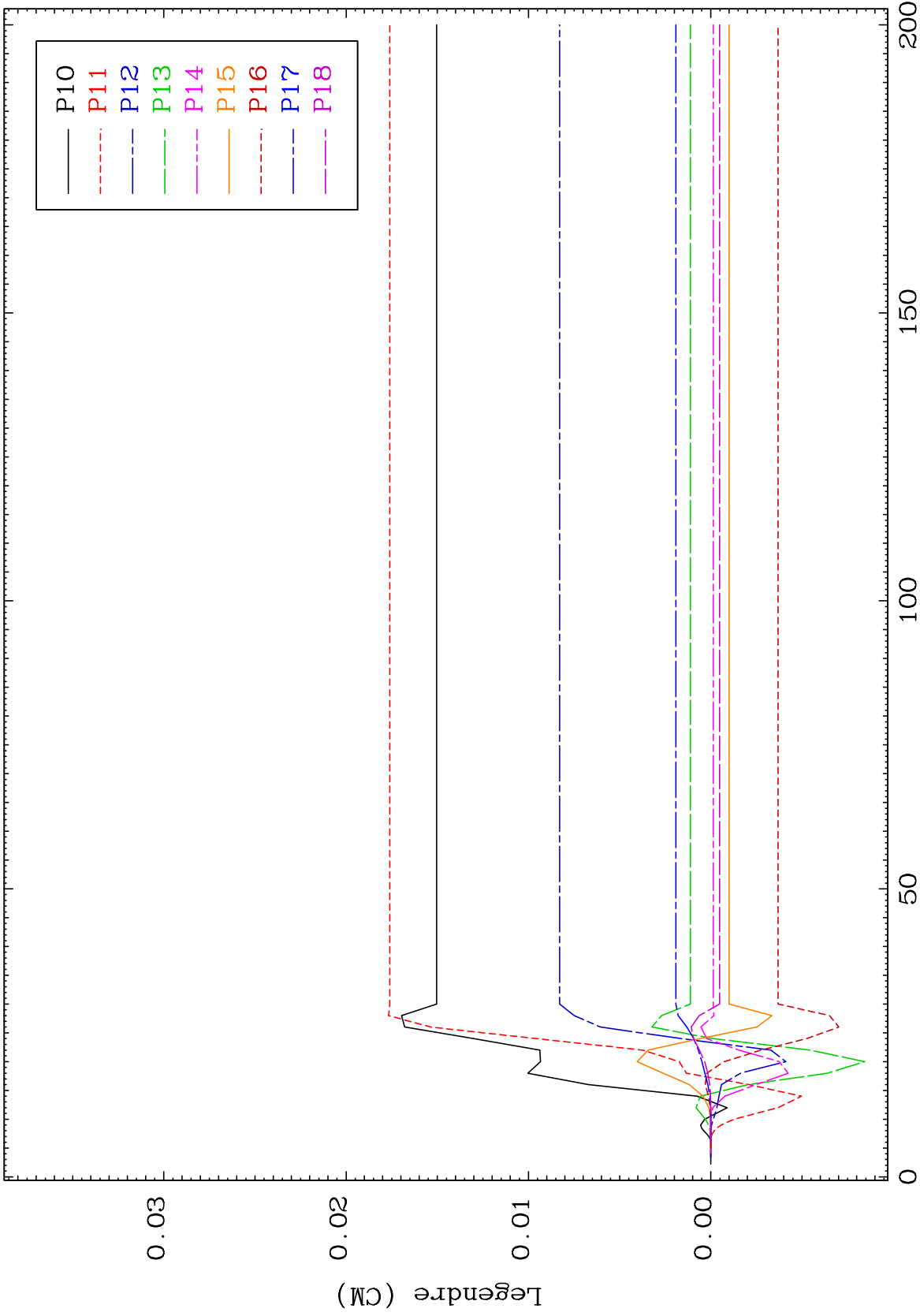
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



55

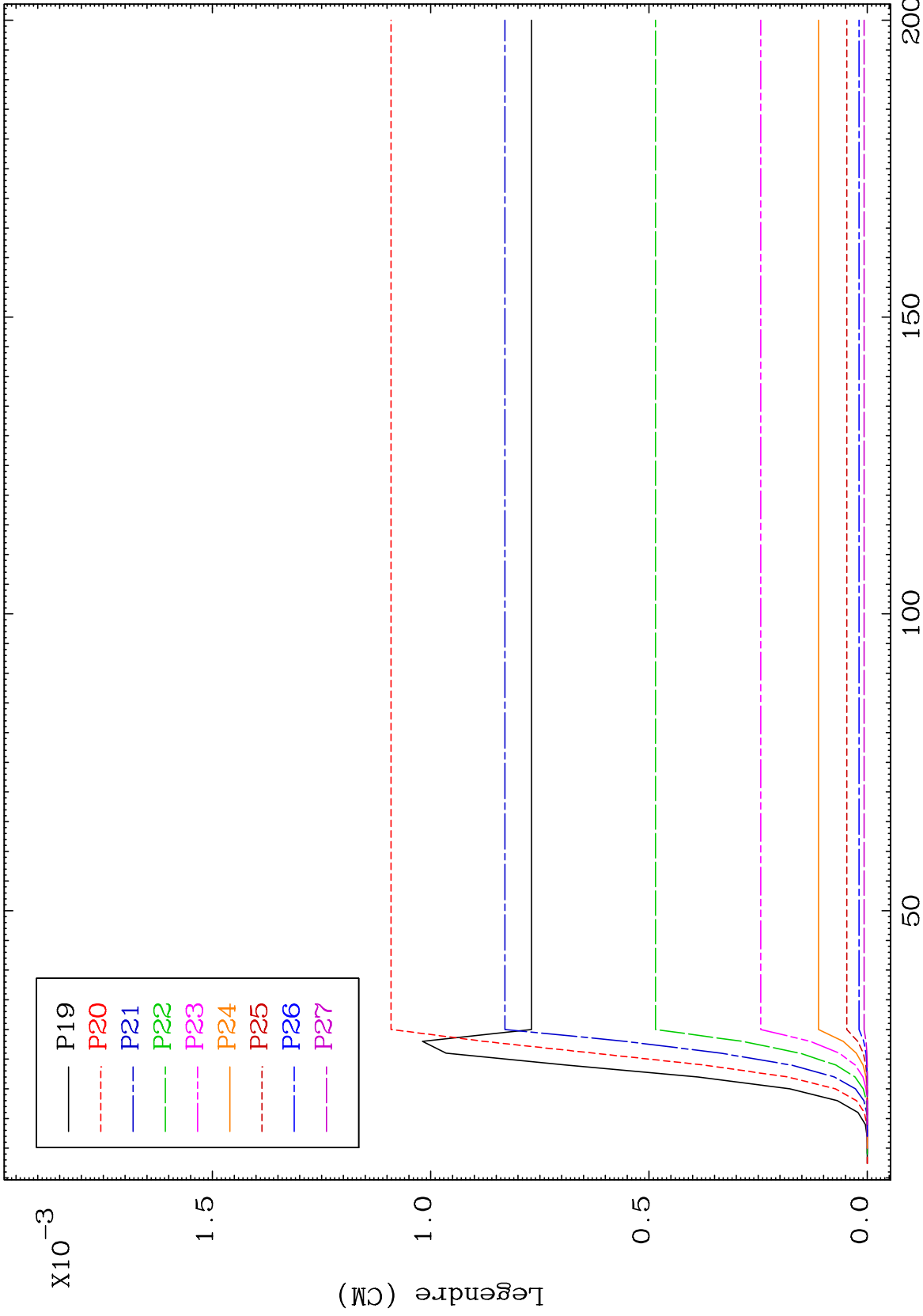
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



56

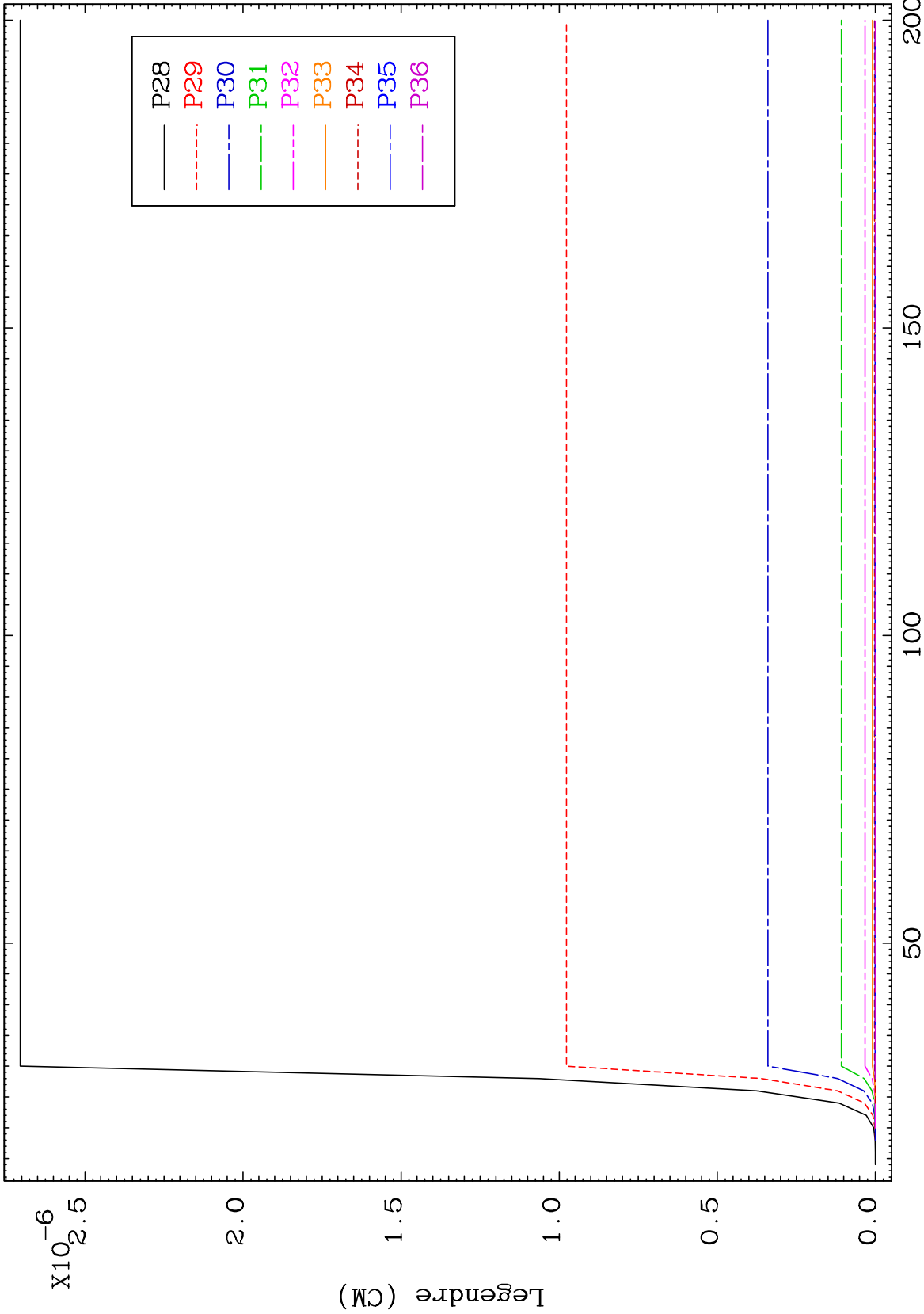
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



57

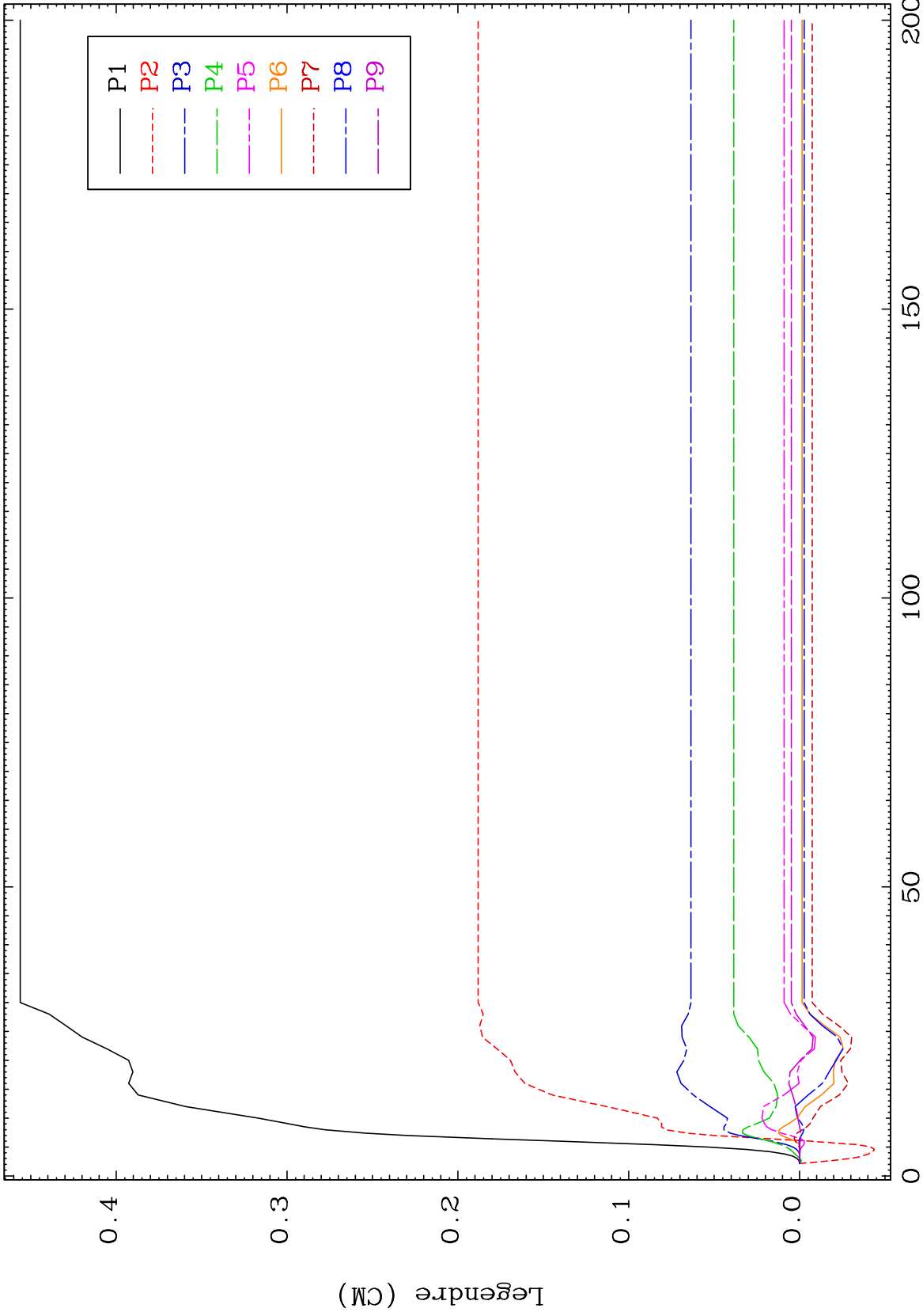
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58

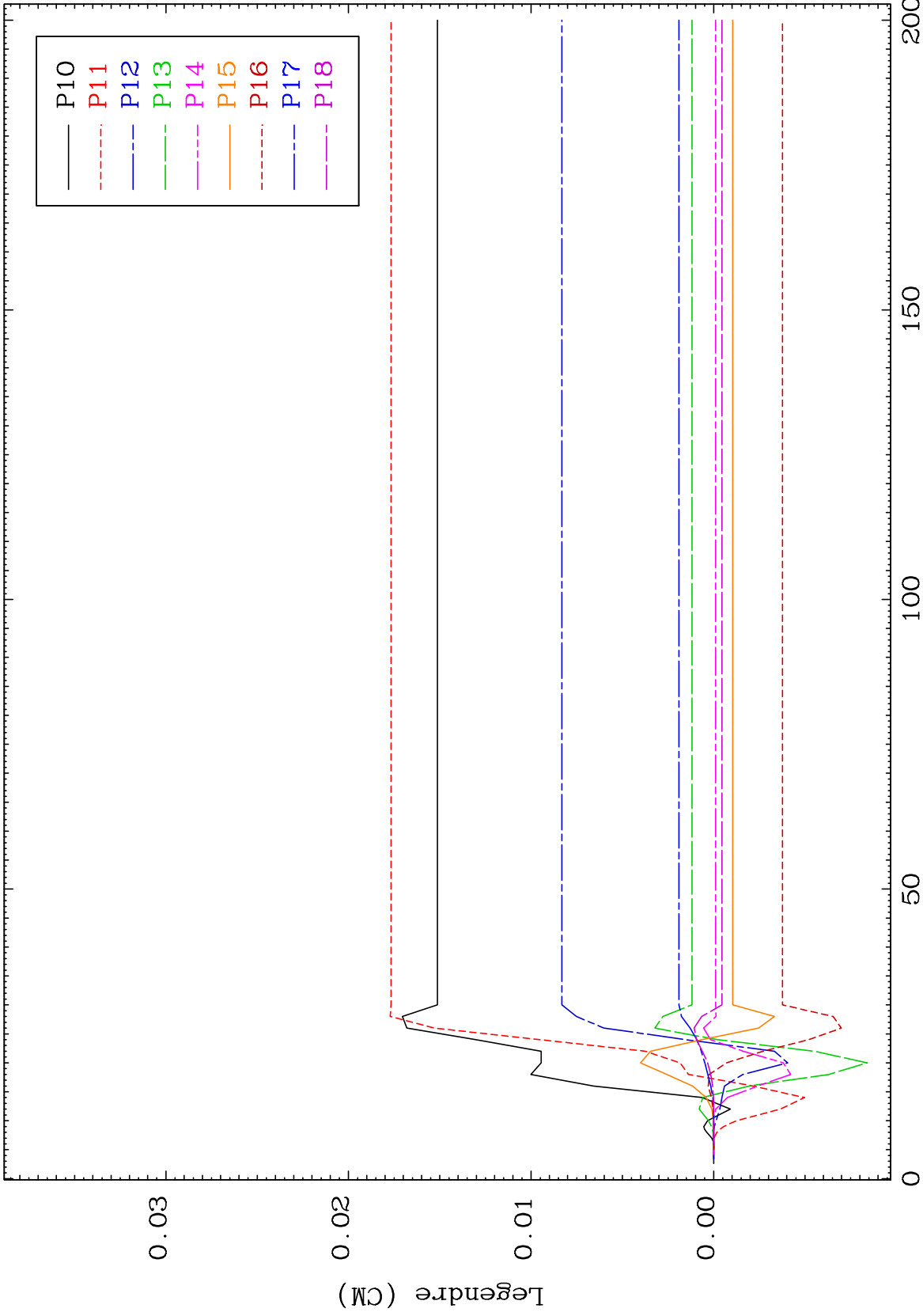
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



59

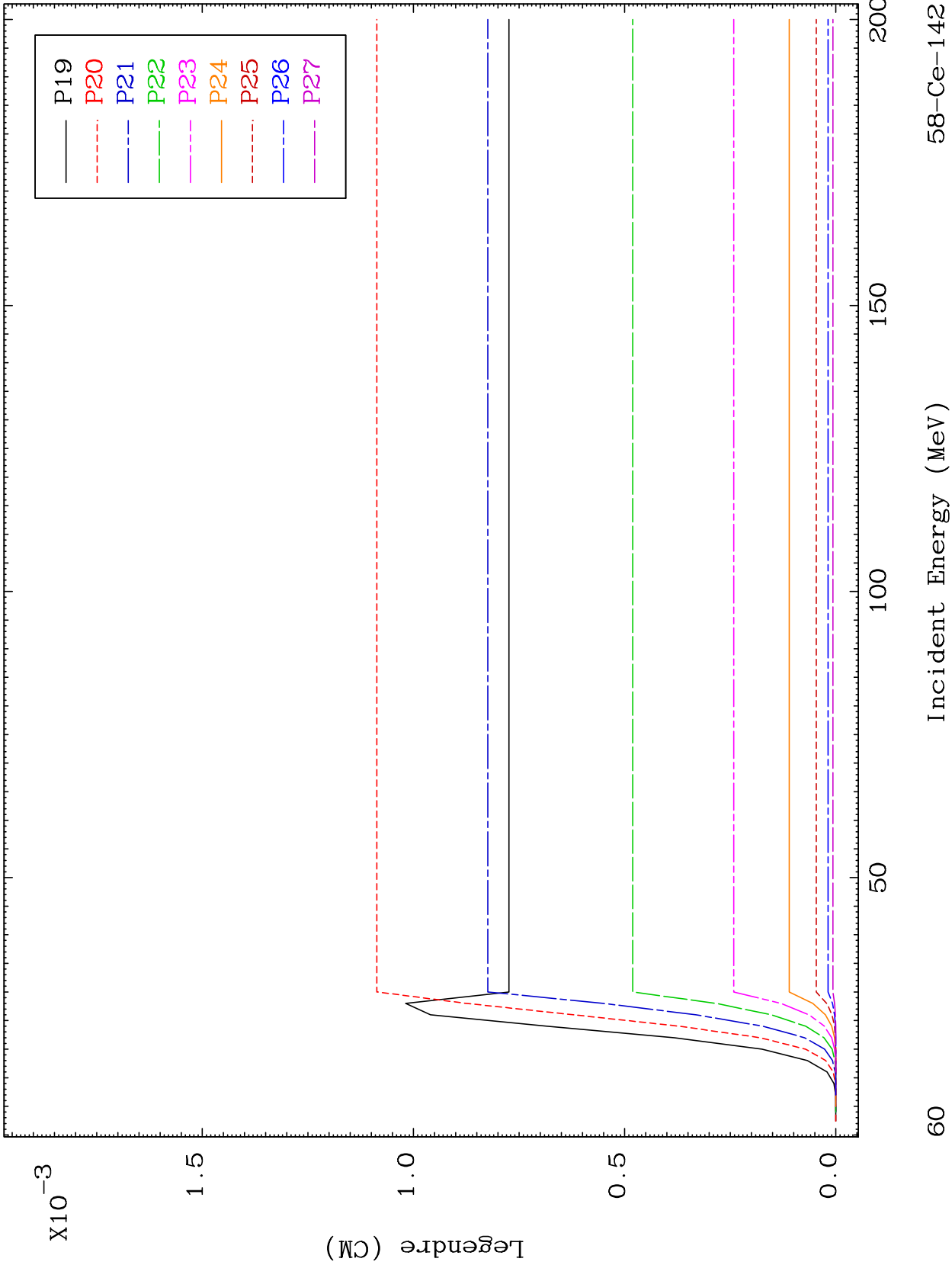
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

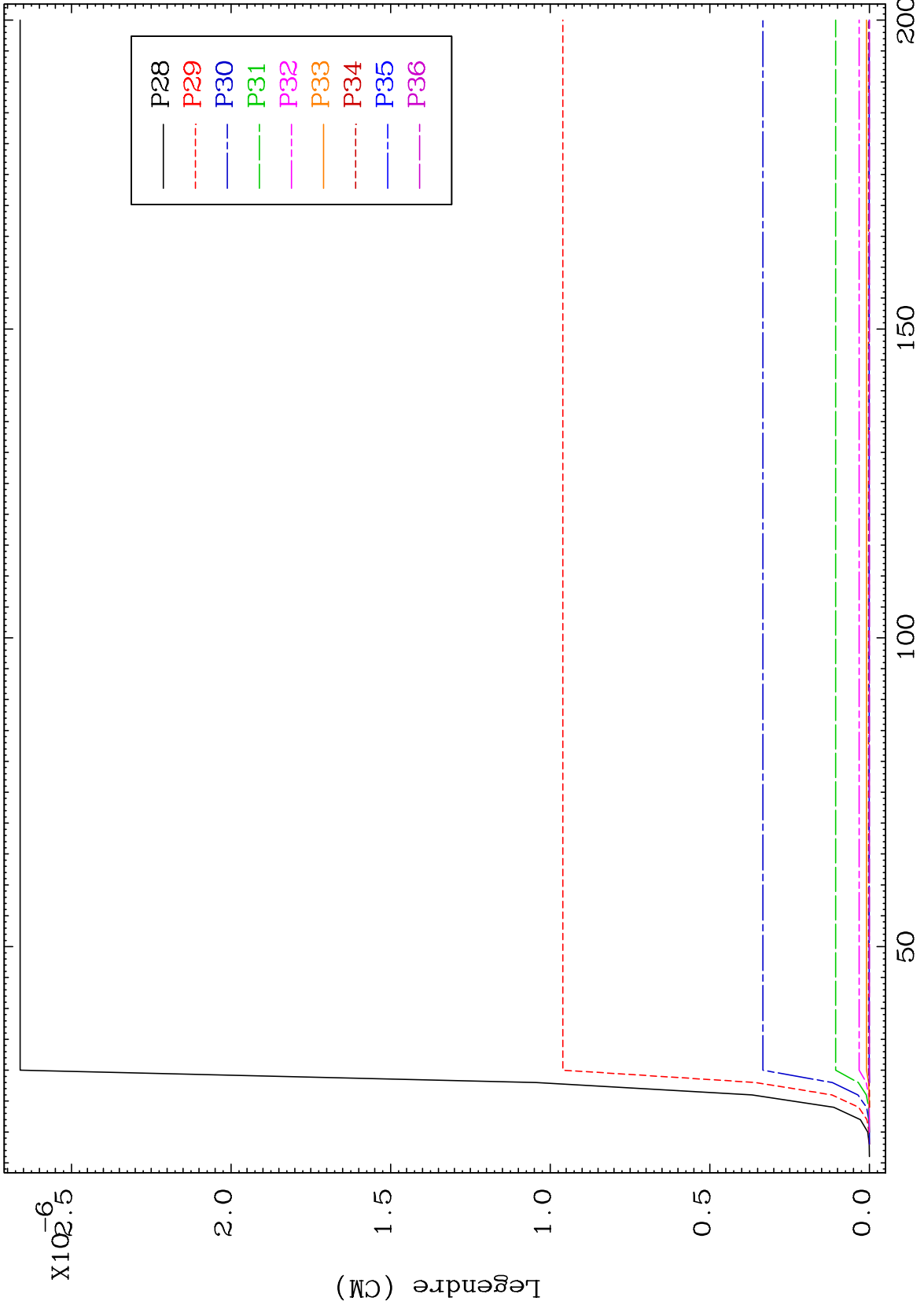
58-Ce-142



MAT 5843

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

58-Ce-142



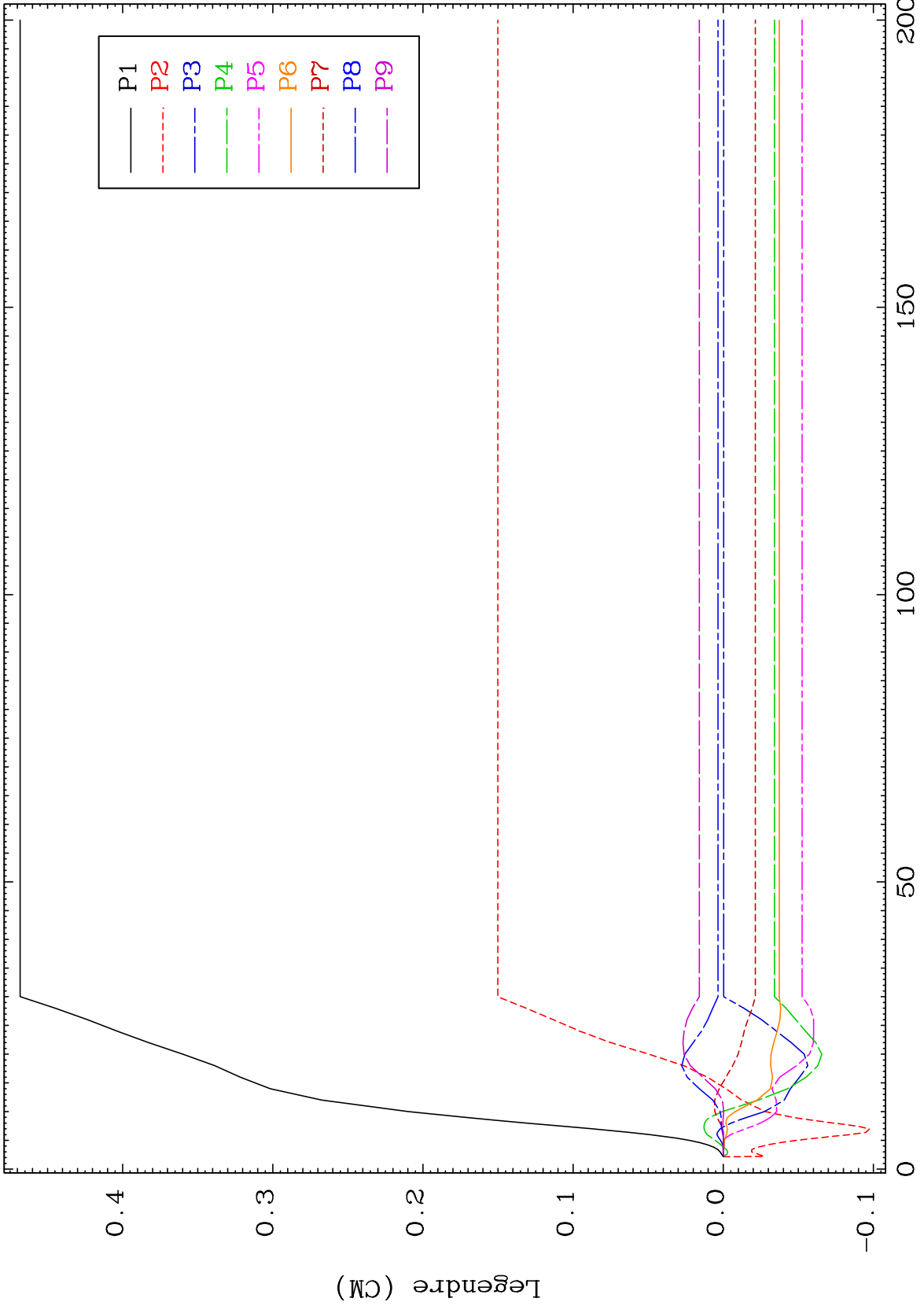
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58-Ce-142

MAT 5843

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

58-Ce-142



62

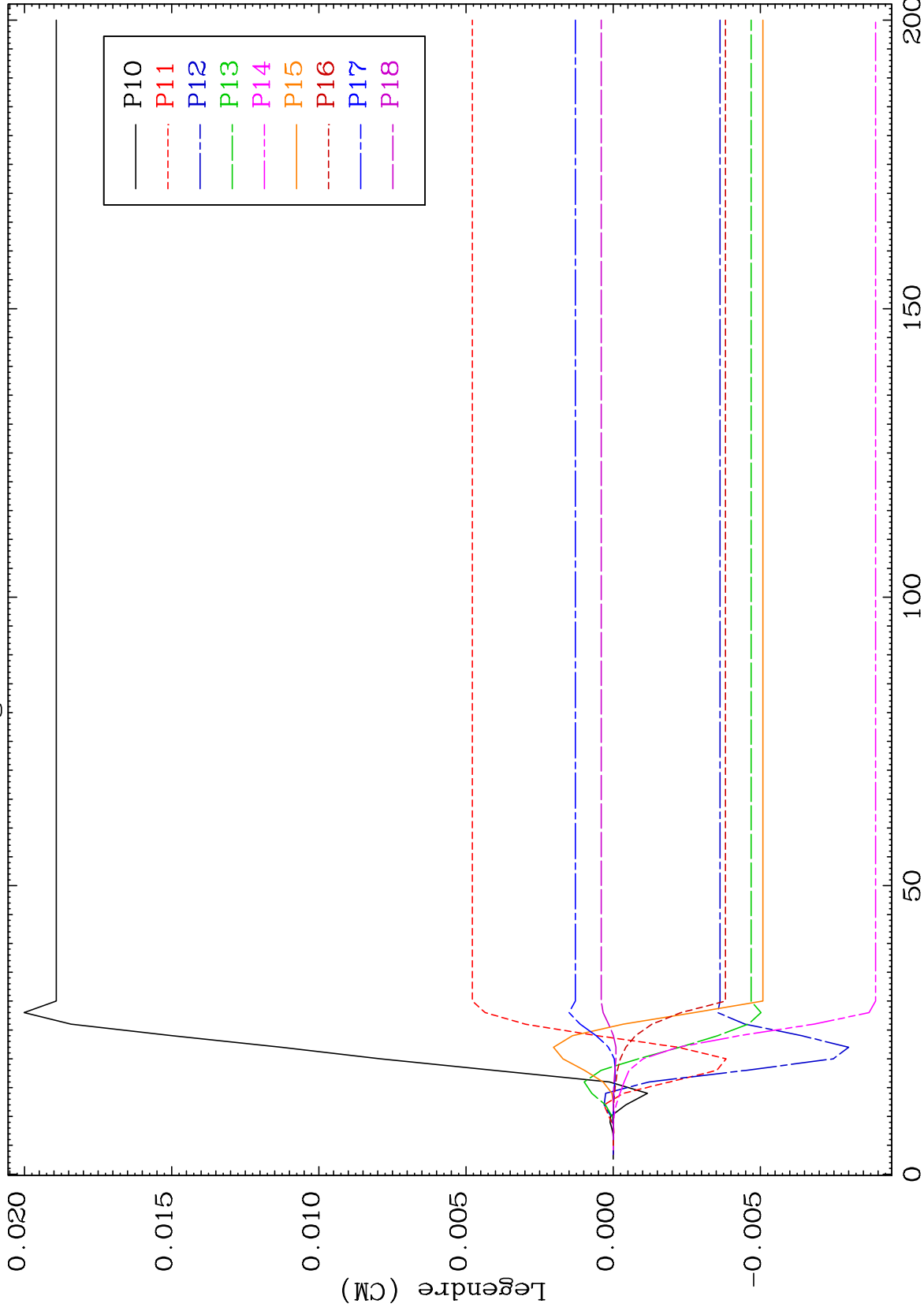
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



63

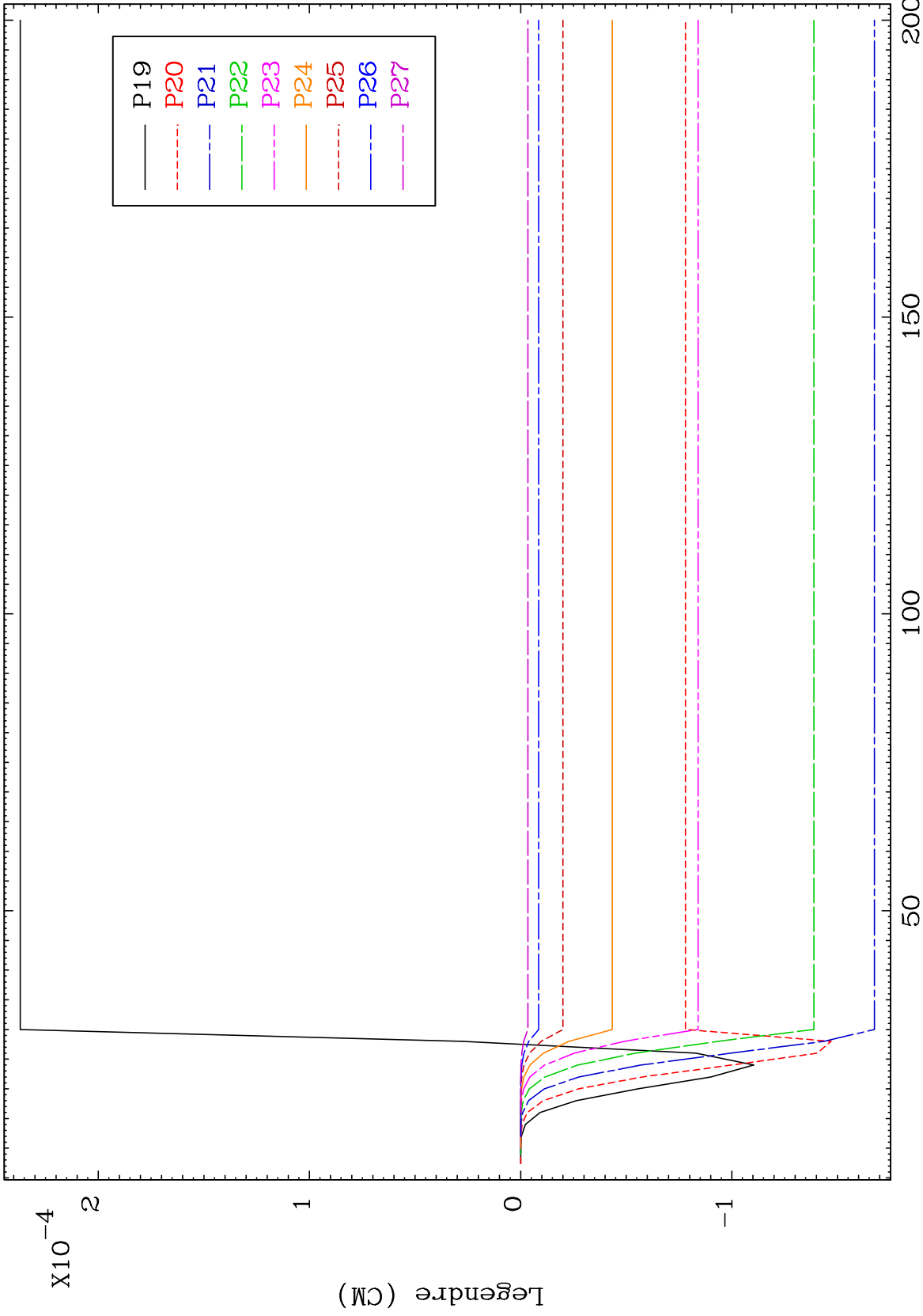
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



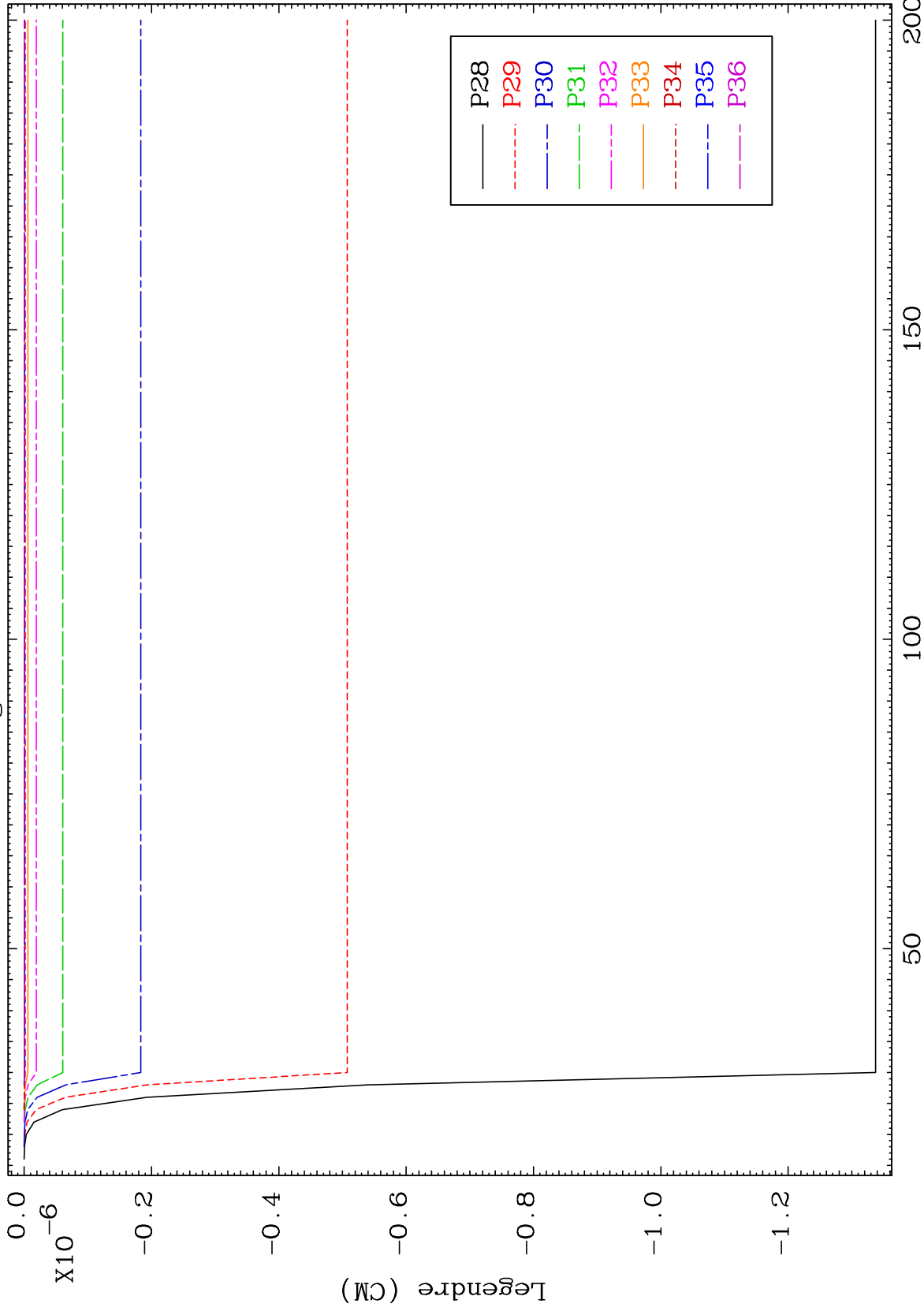
64

58-Ce-142

MAT 5843

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

58-Ce-142



65

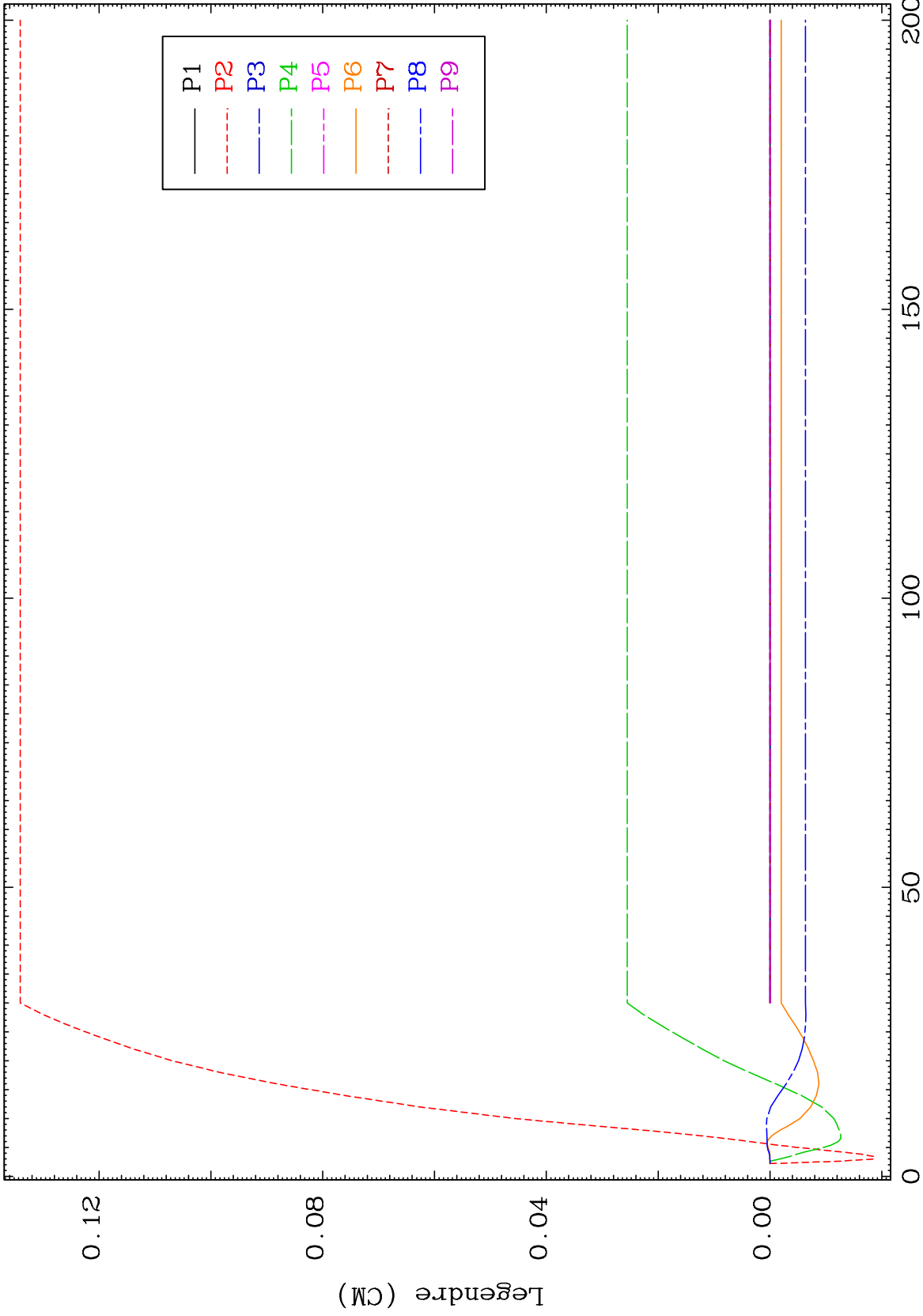
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



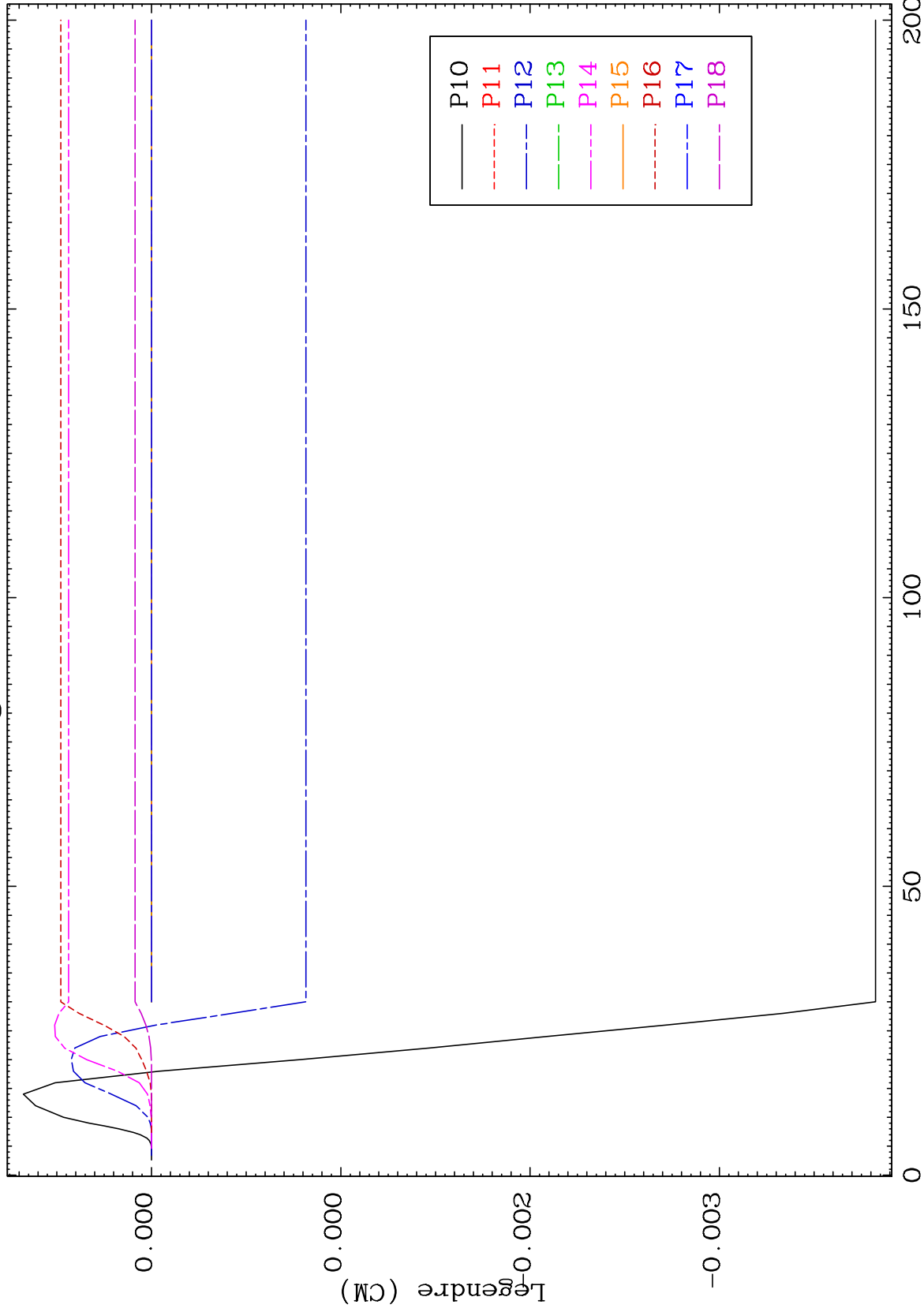
66

58-Ce-142

MAT 5843

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

58-Ce-142



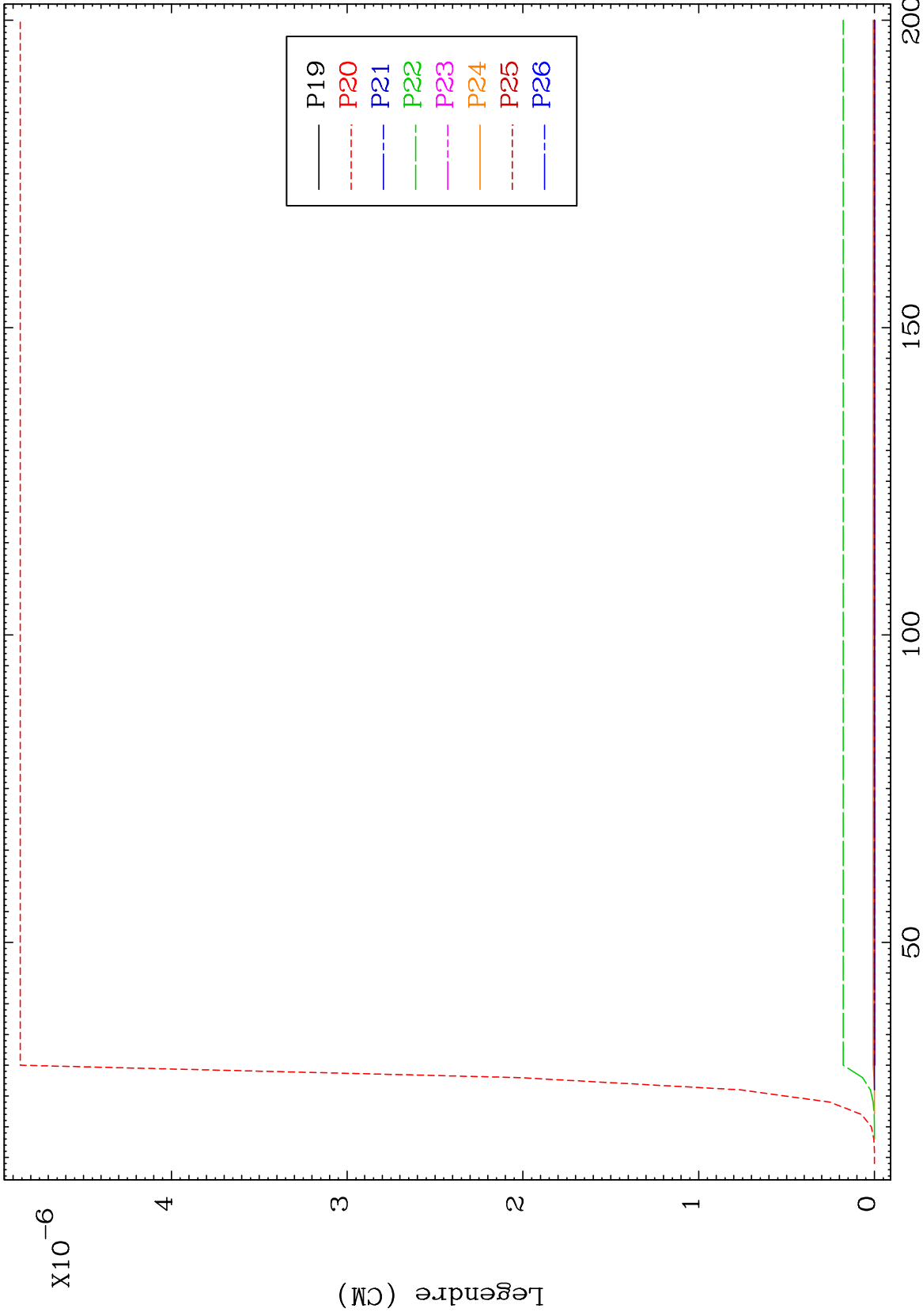
67

58-Ce-142

MAT 5843

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

58-Ce-142



68

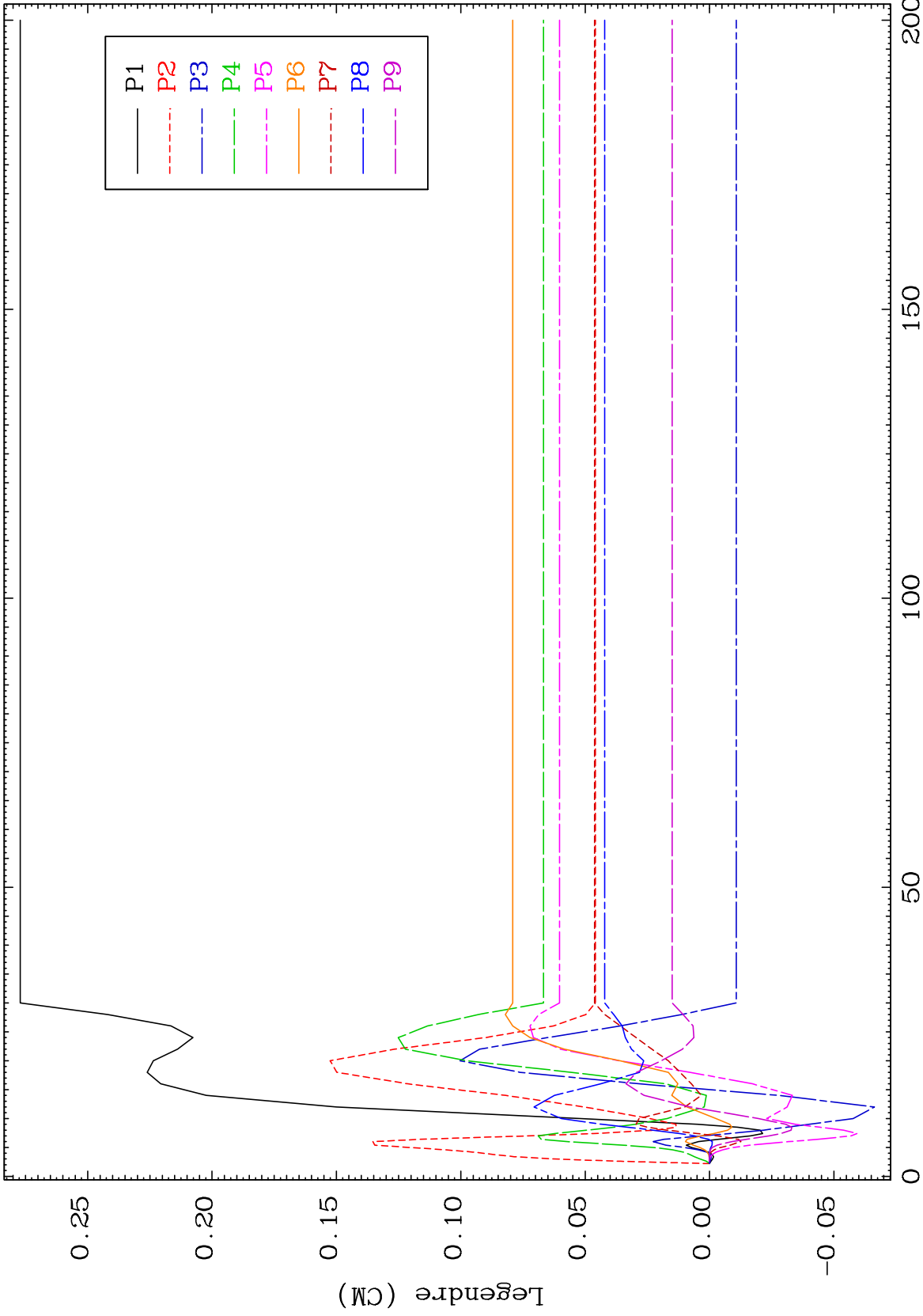
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



69

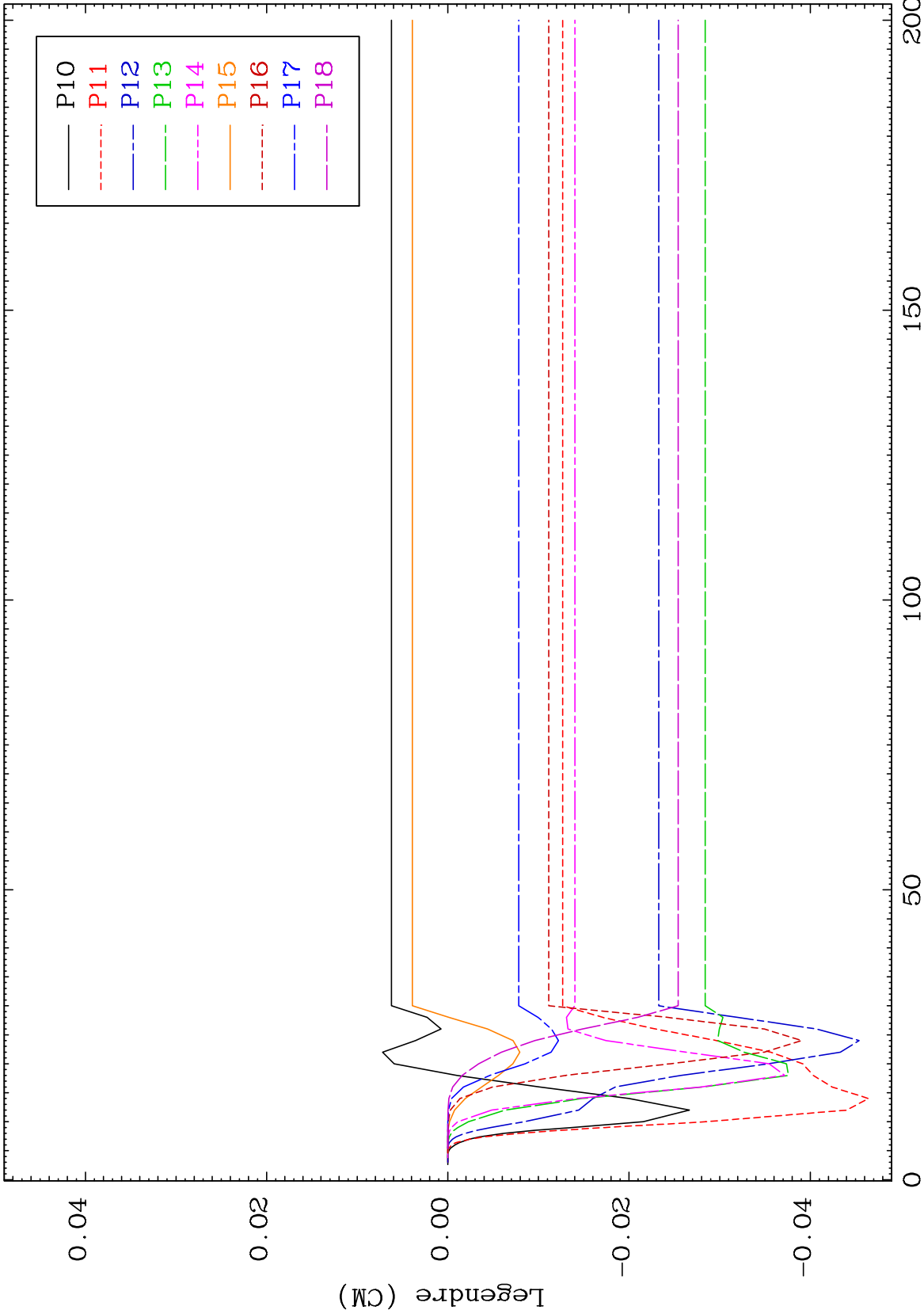
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



70

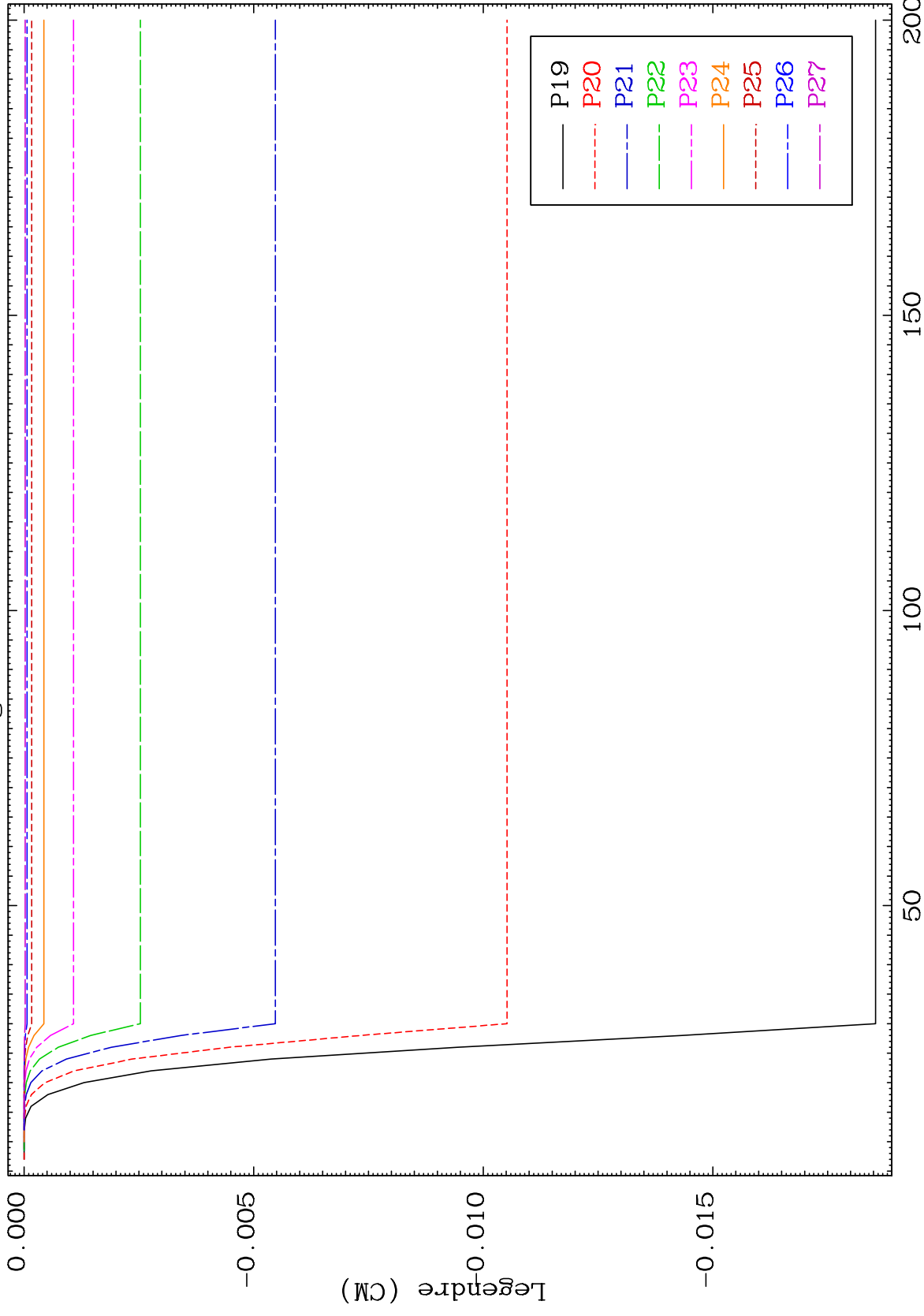
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

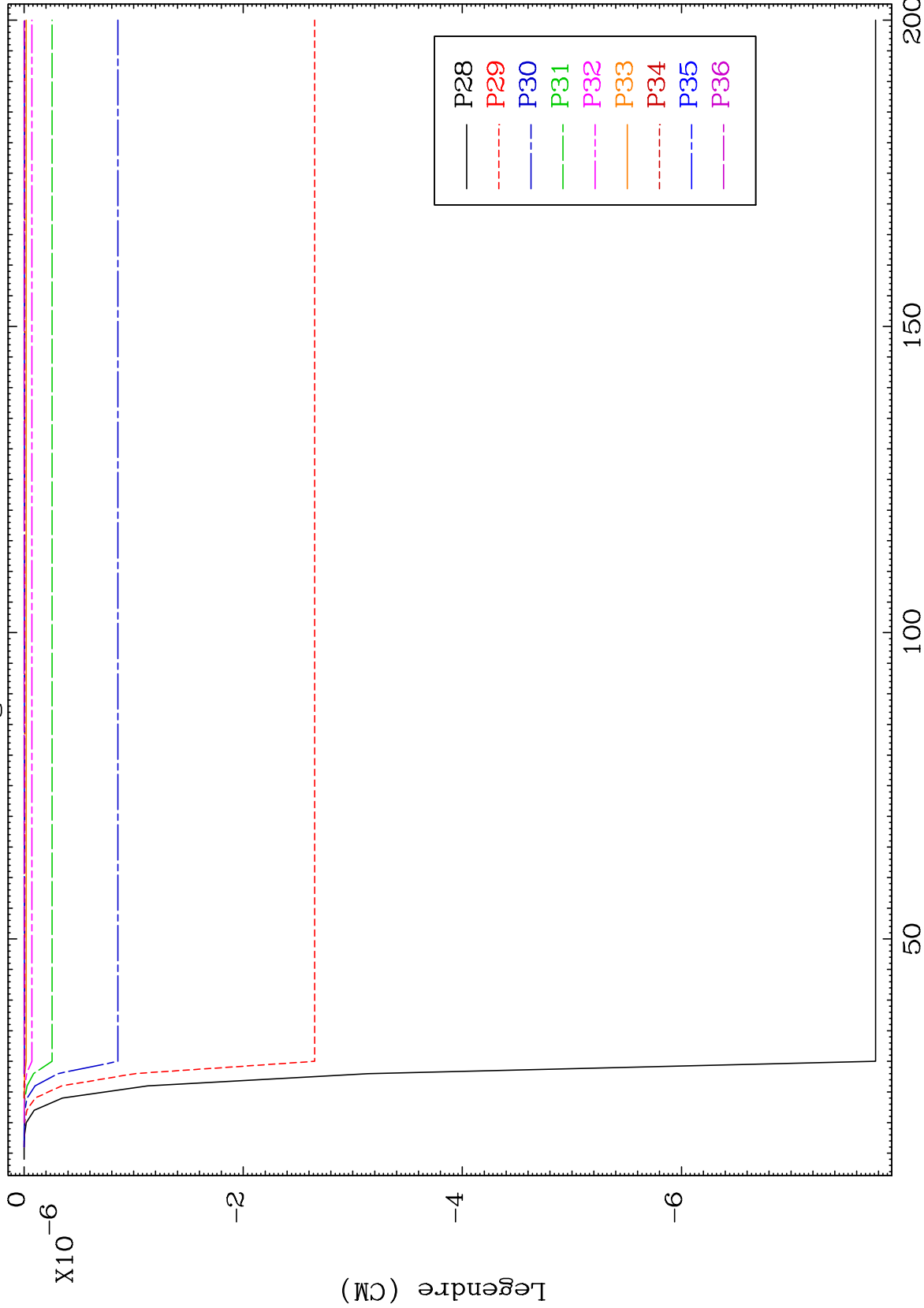
Incident Energy (MeV)

71

MAT 5843

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

58-Ce-142



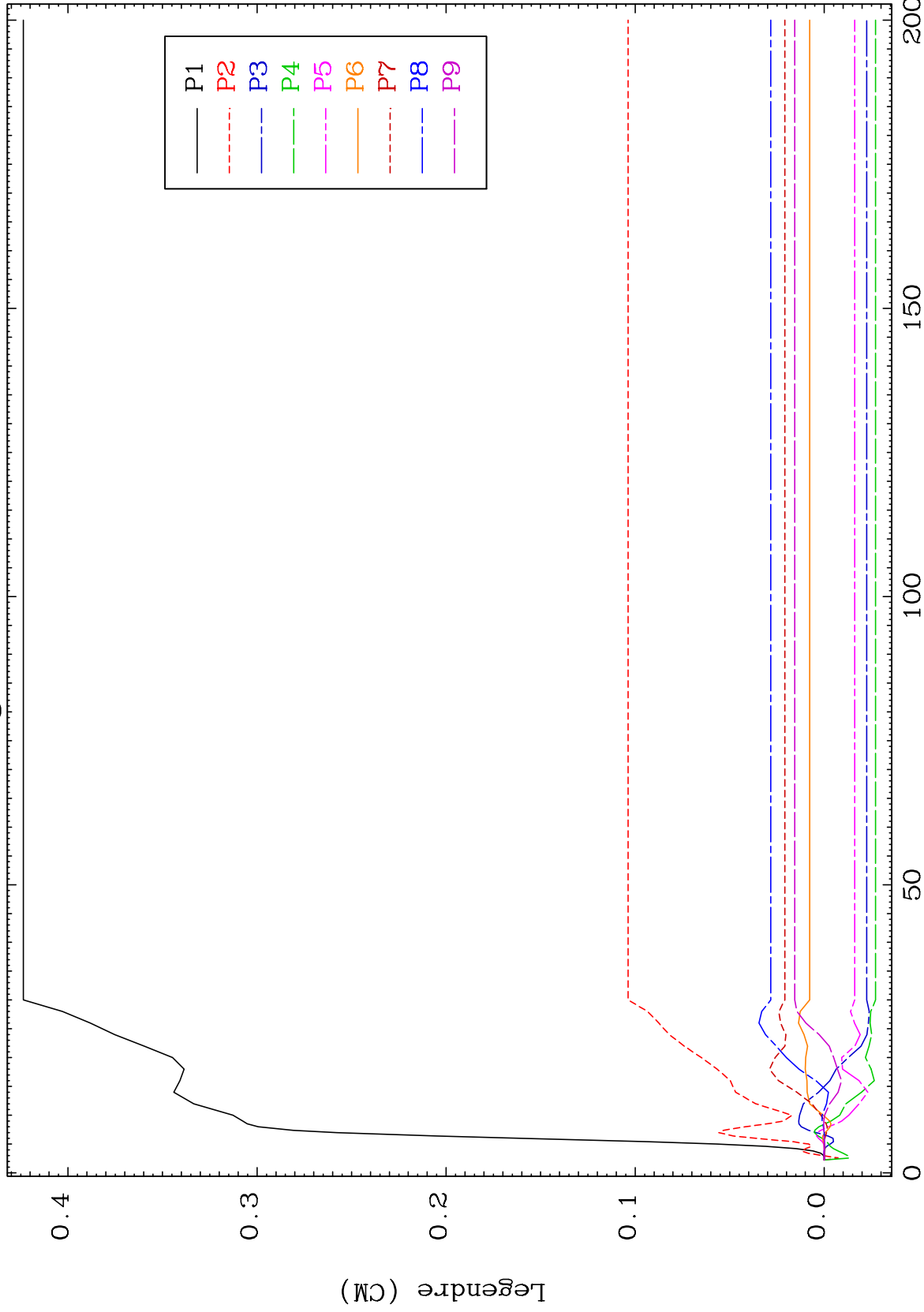
72

58-Ce-142

MAT 5843

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

58-Ce-142



73

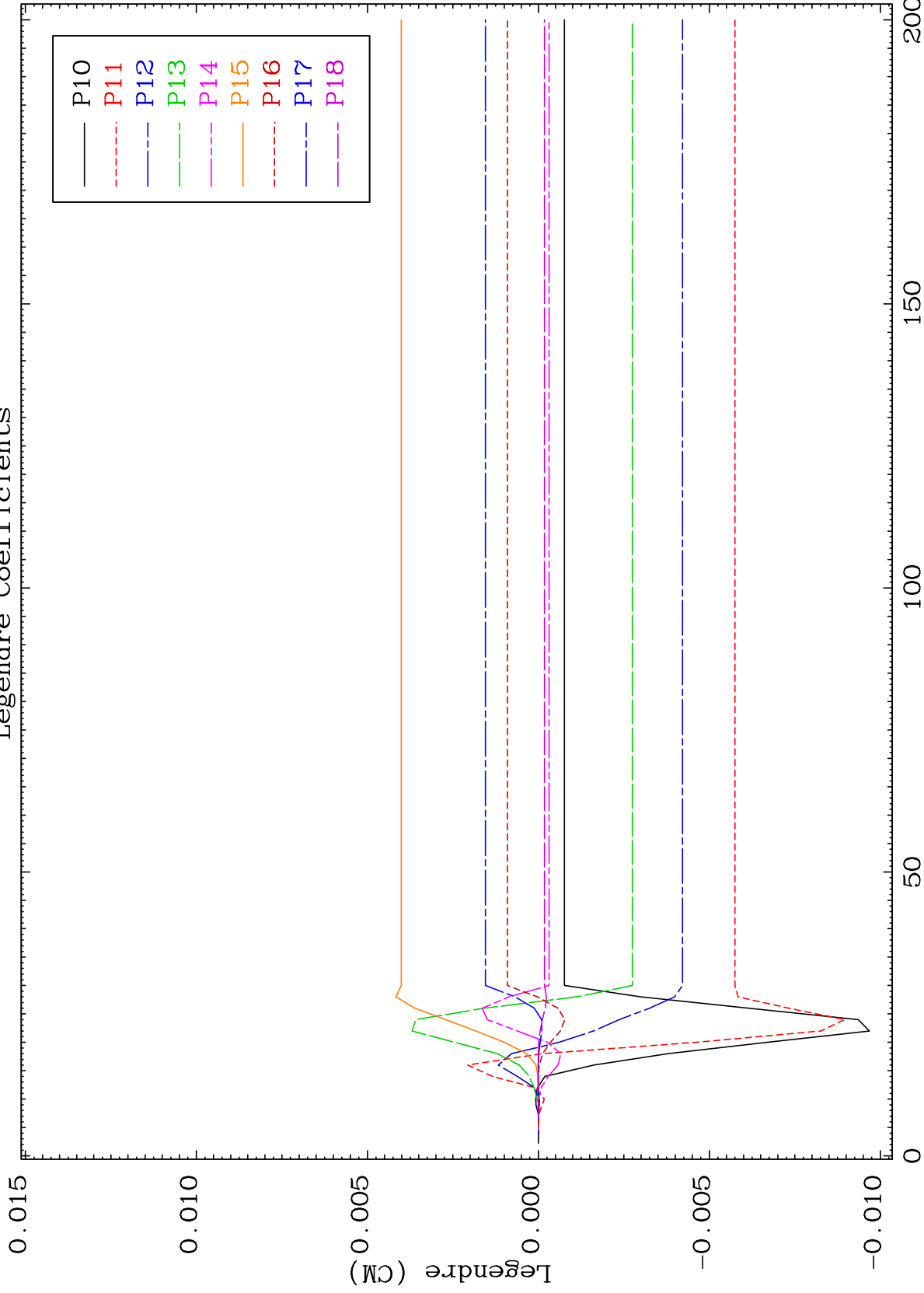
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



74

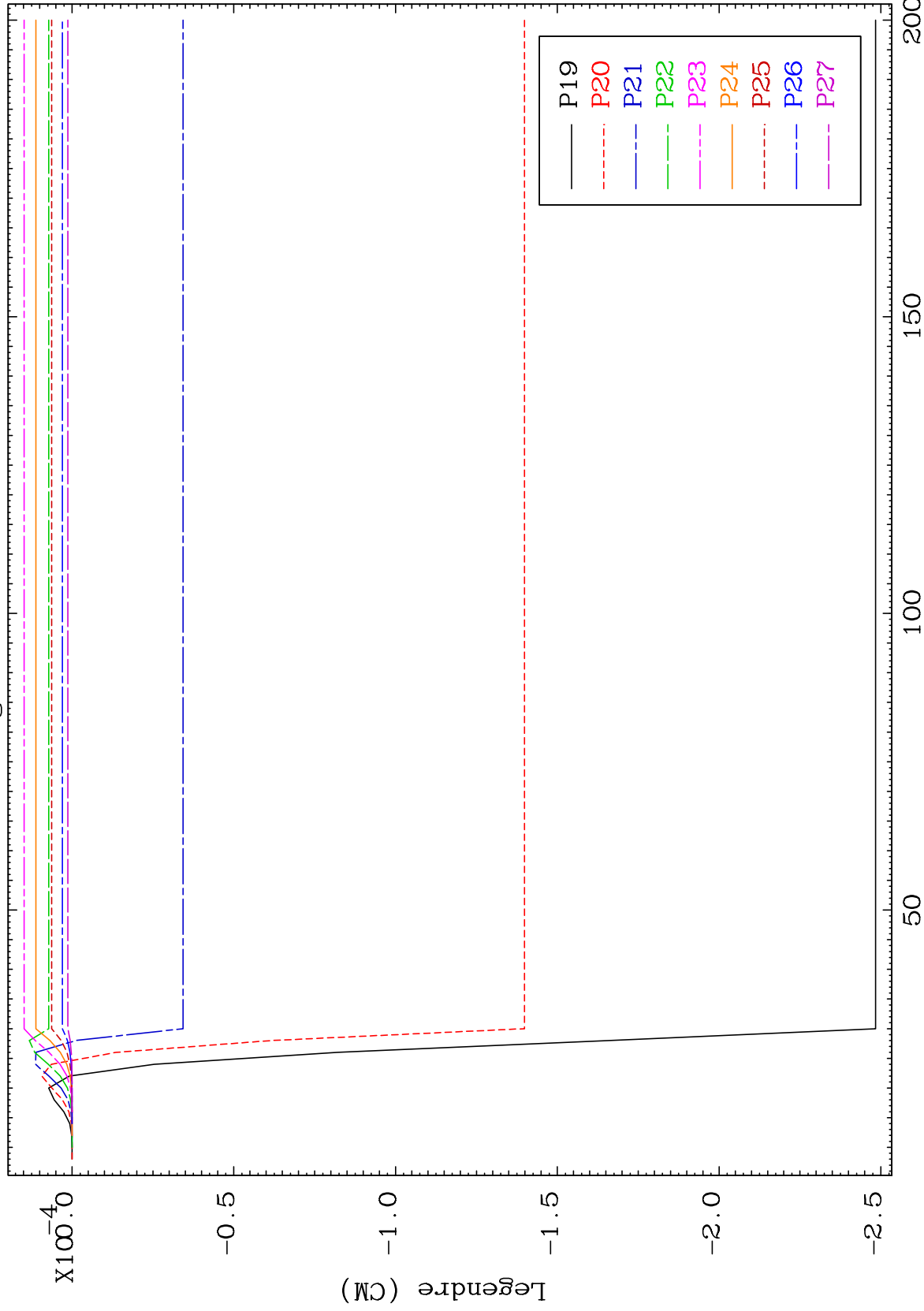
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



75

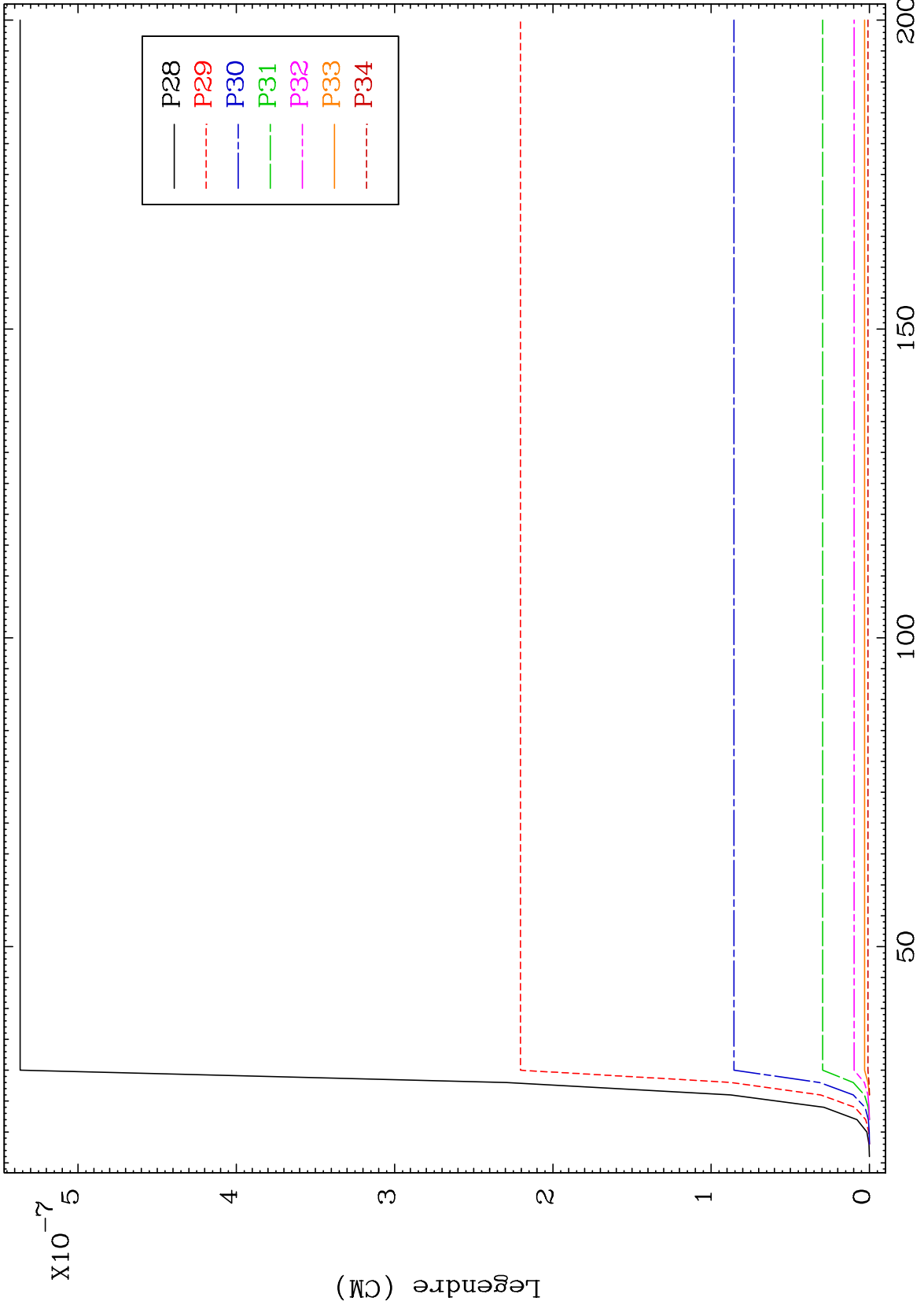
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



76

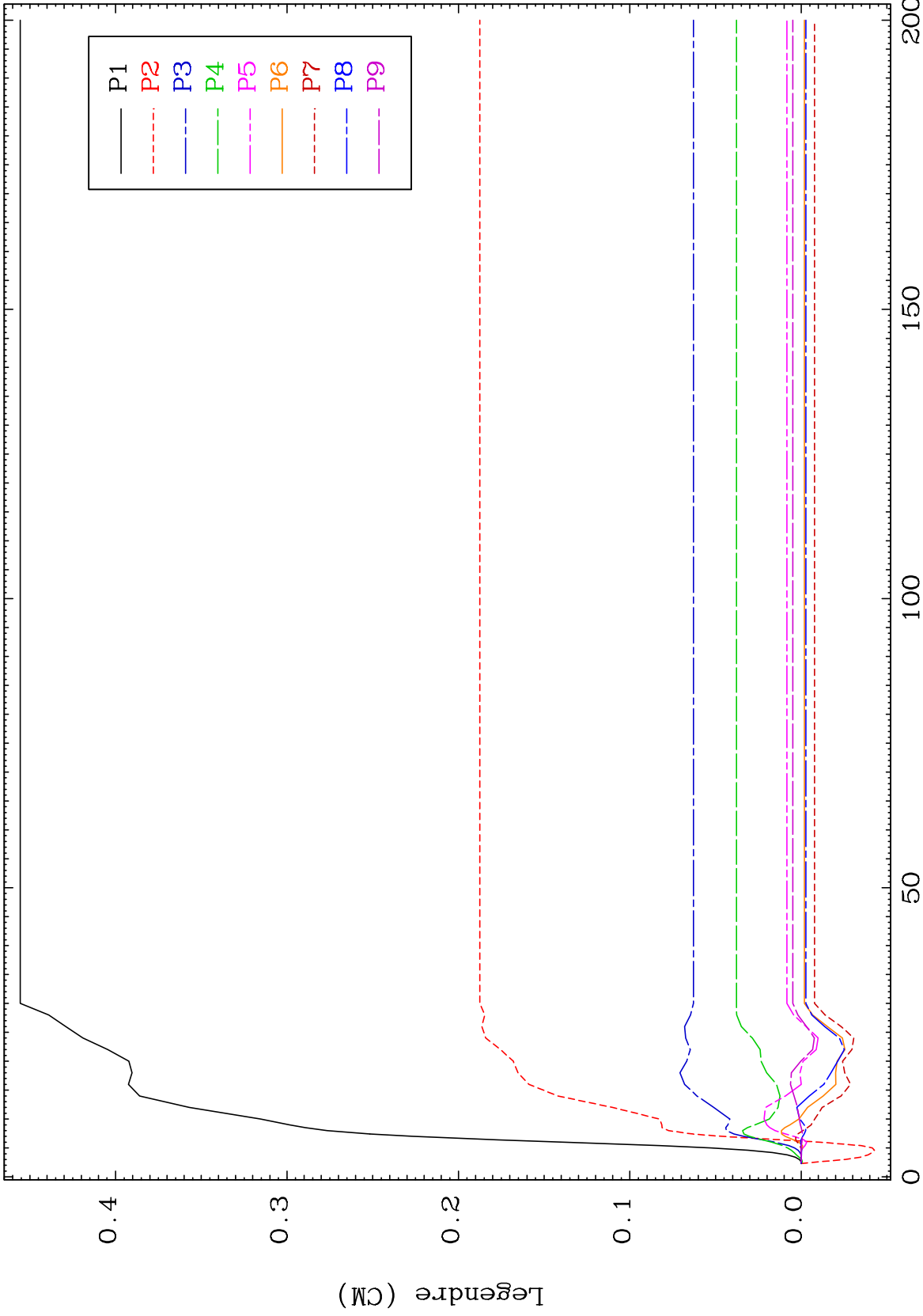
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



77

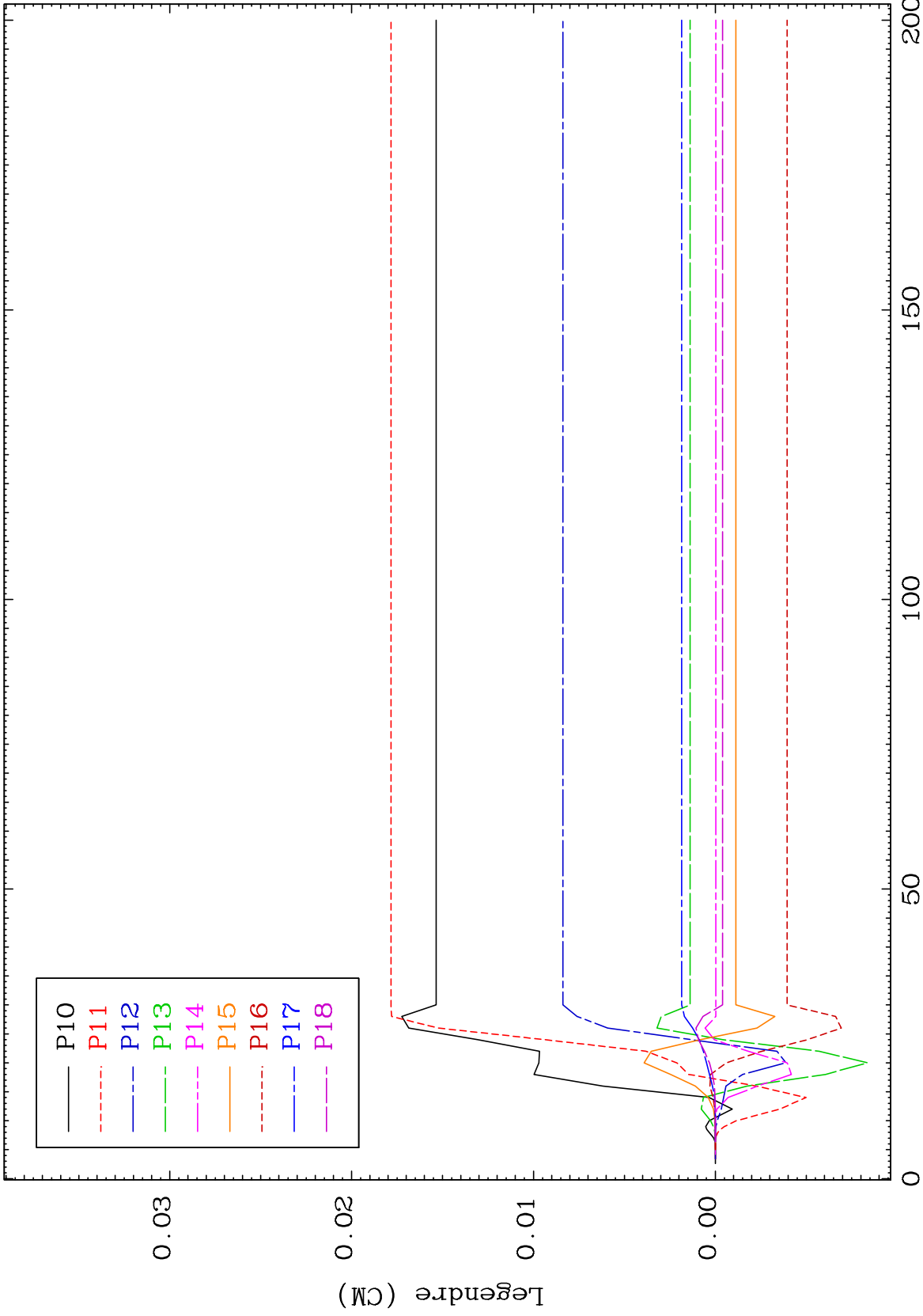
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



78

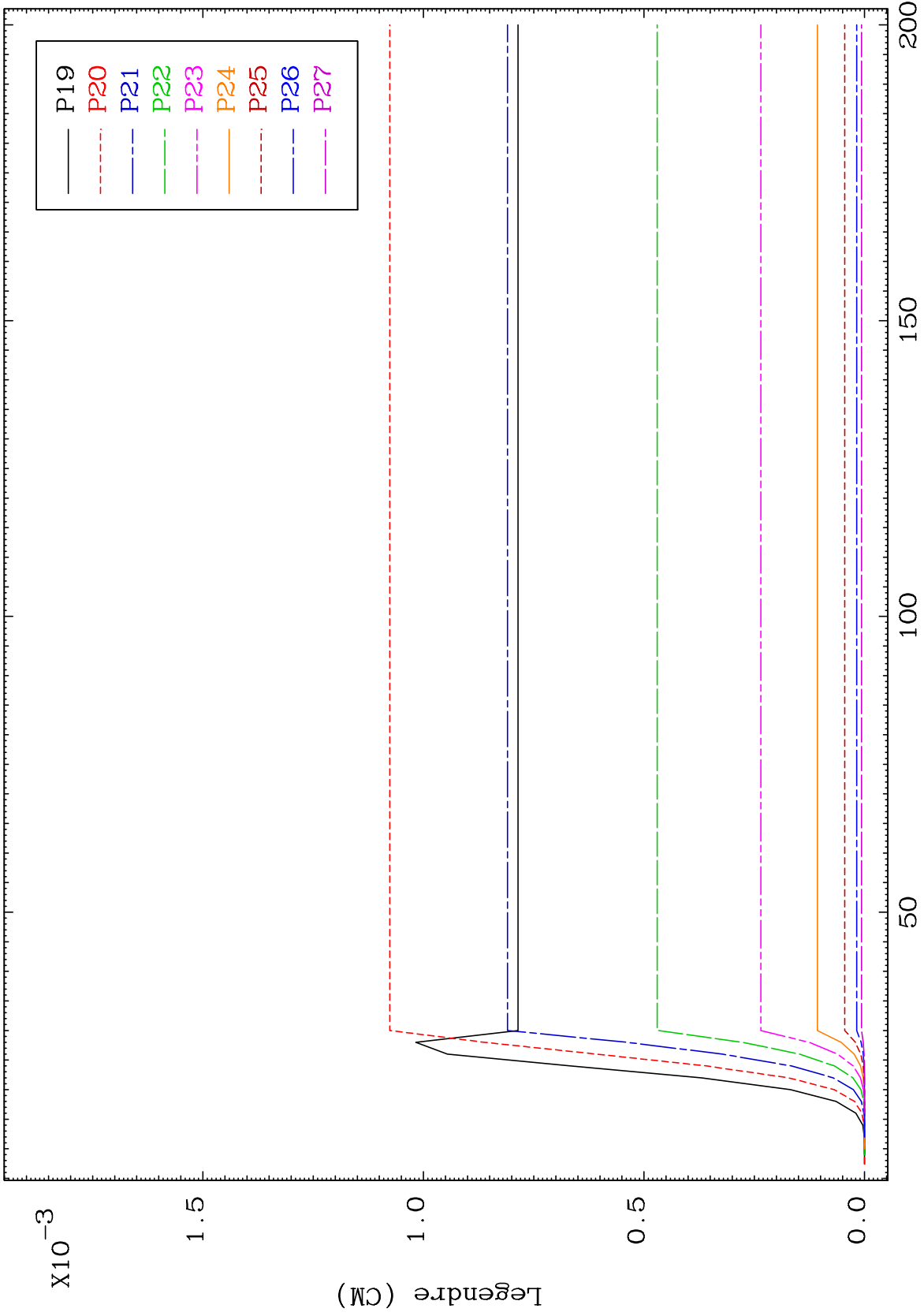
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



79

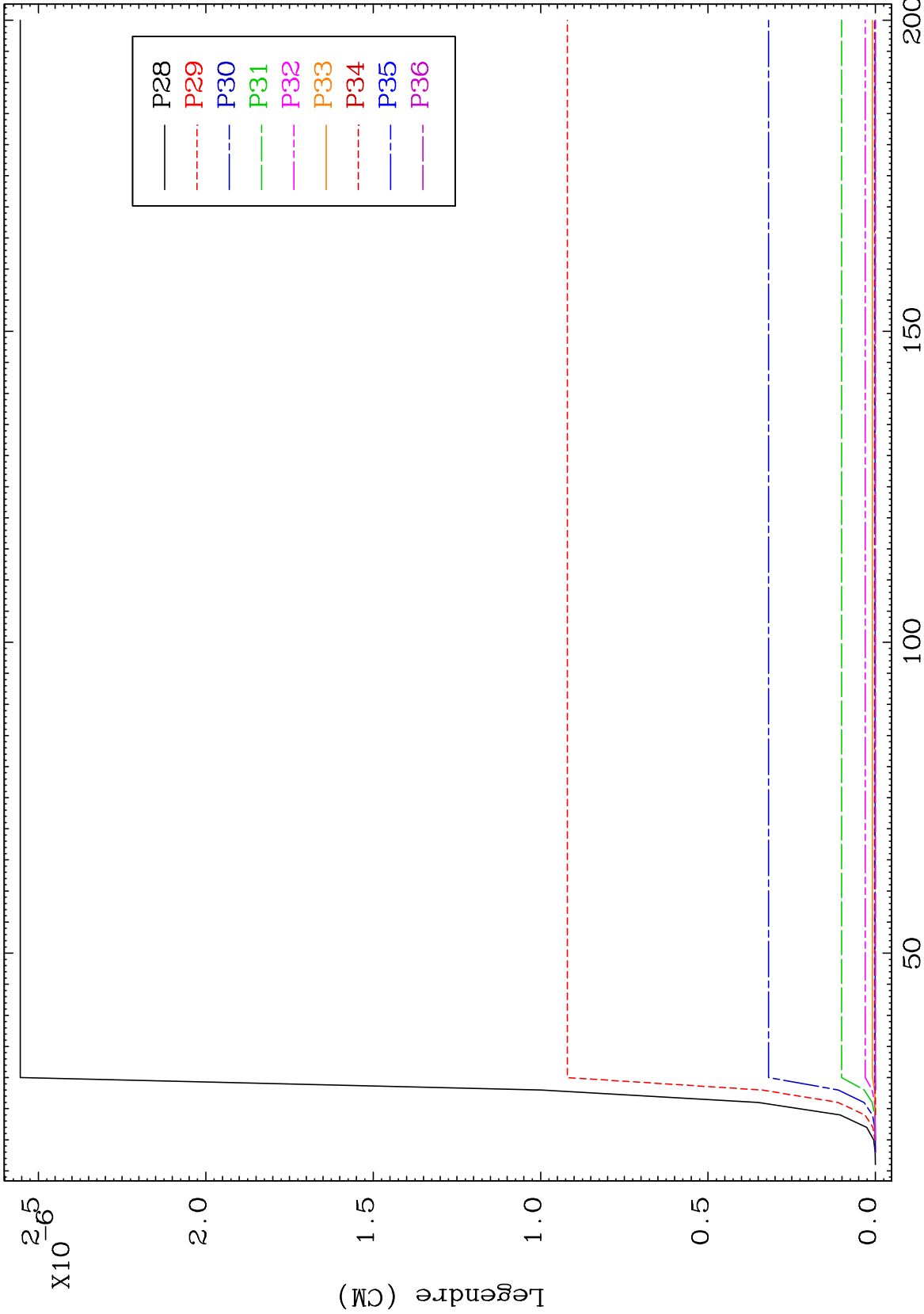
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



80

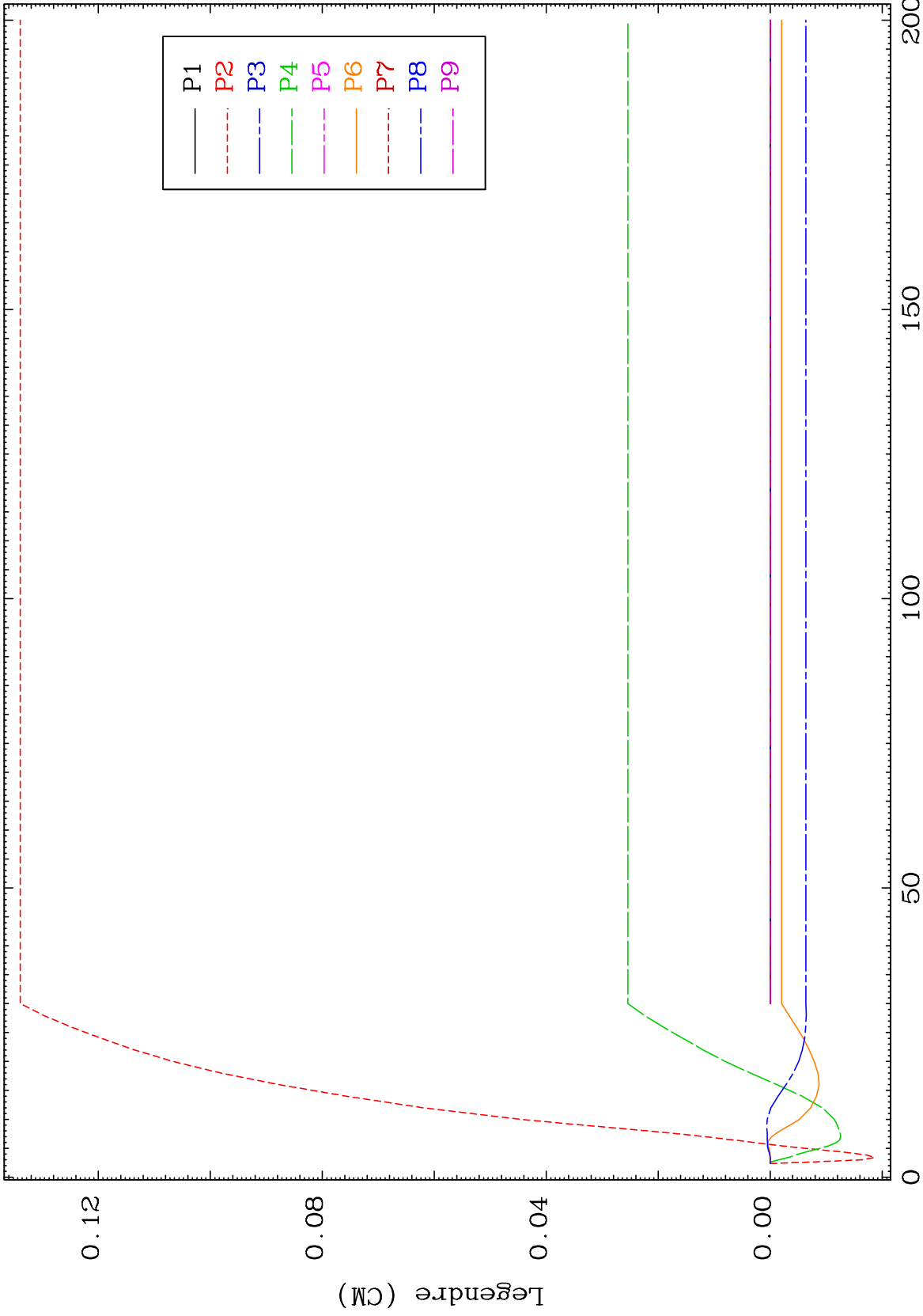
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



81

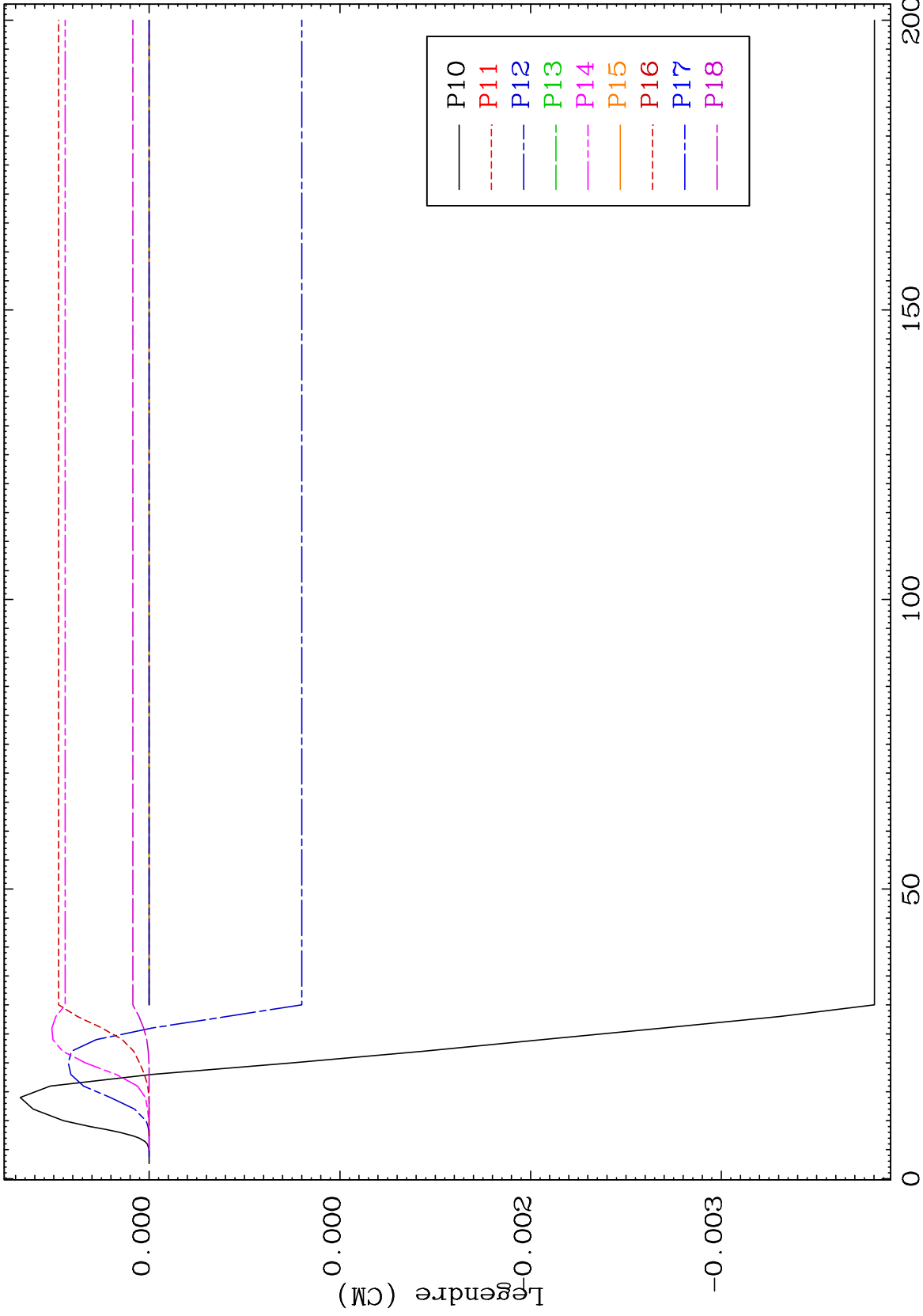
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



82

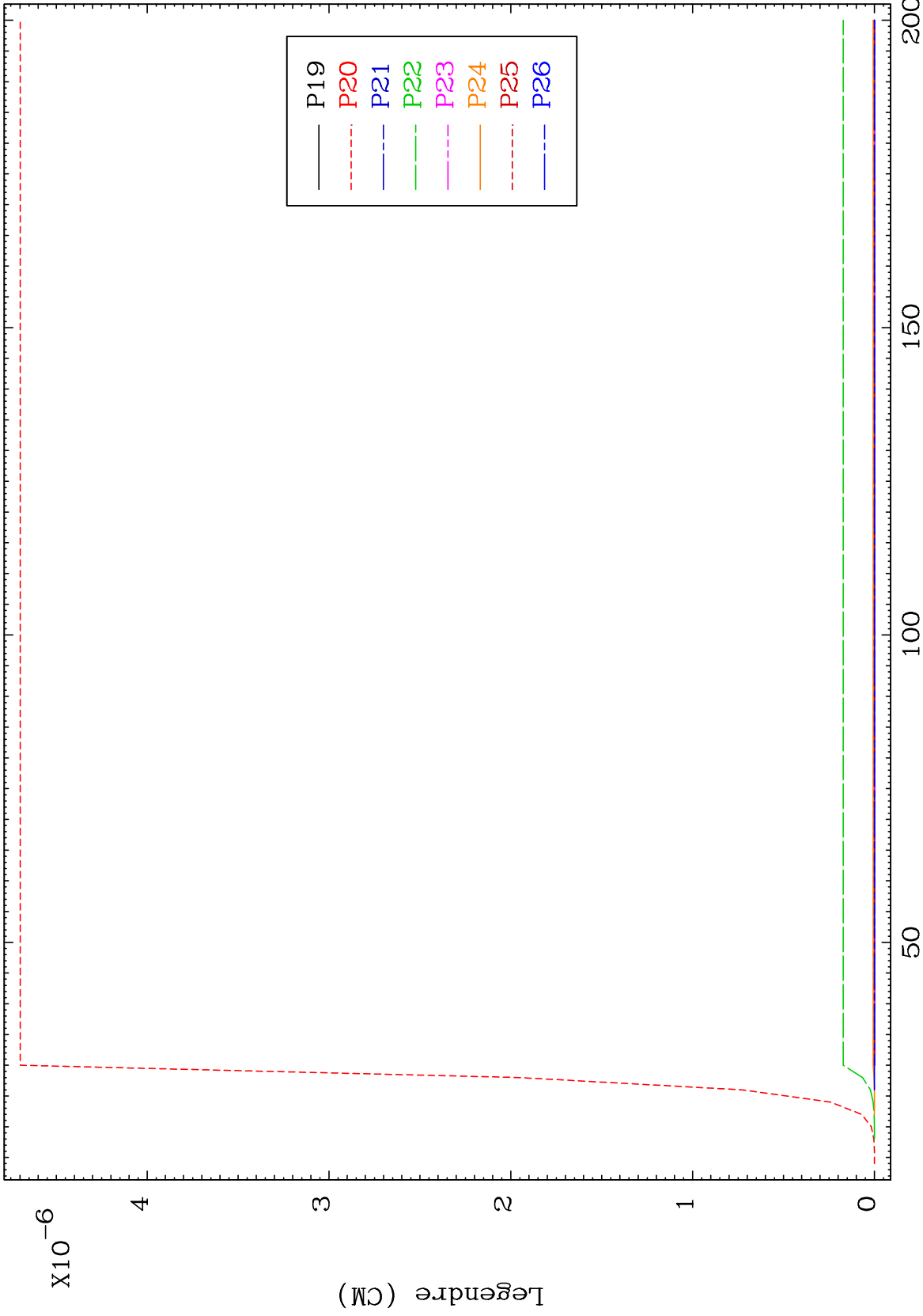
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



83

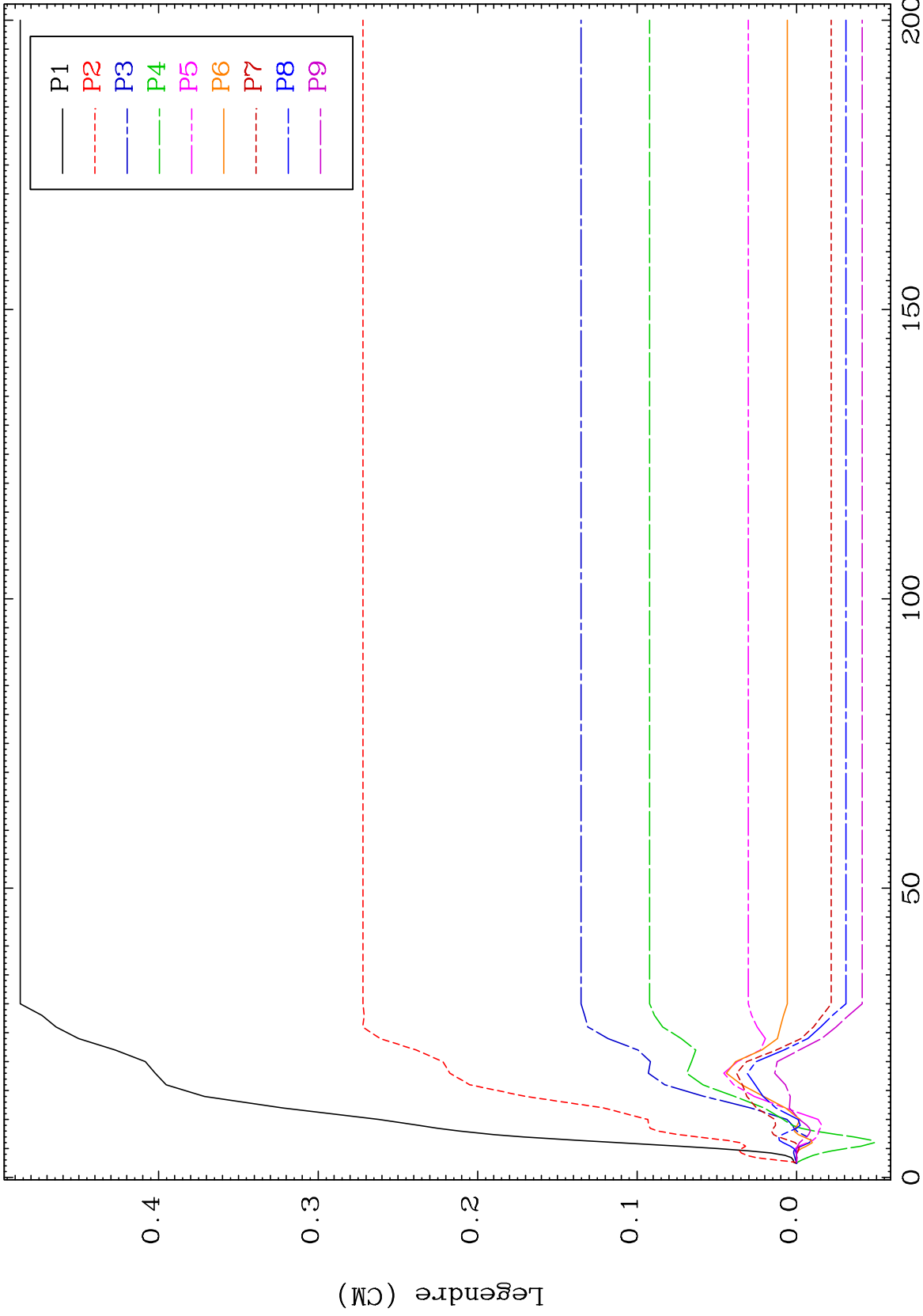
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



84

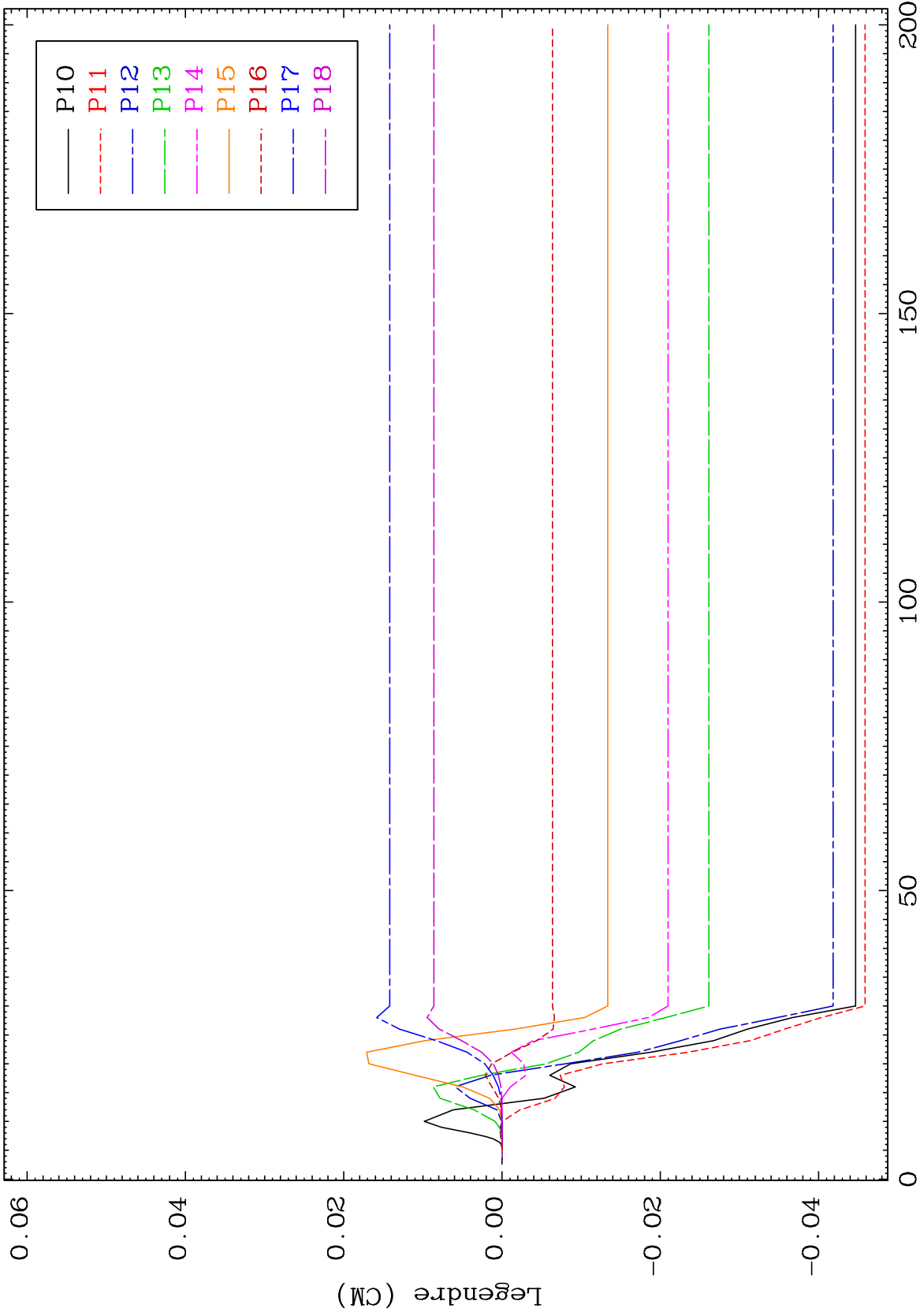
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



85

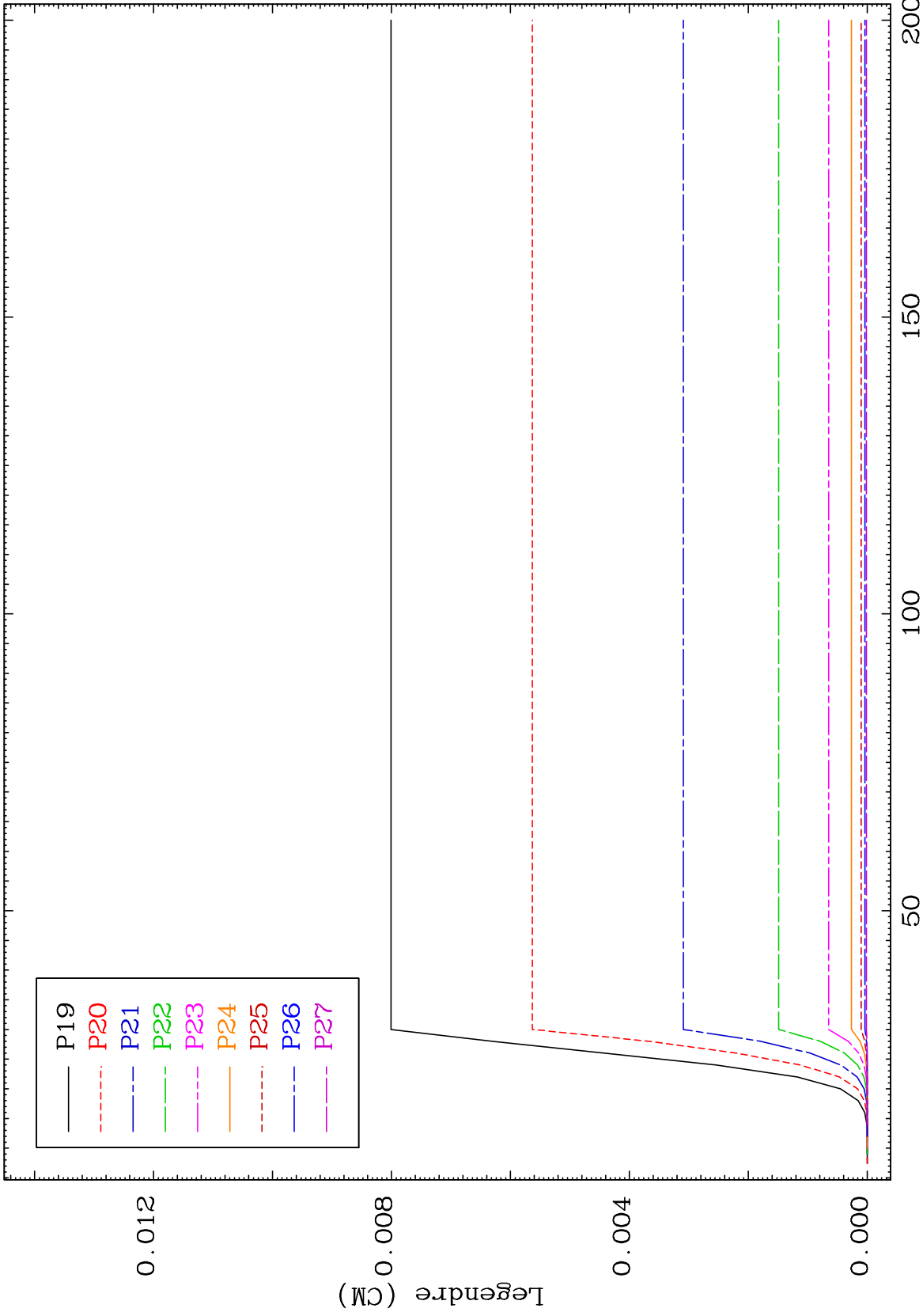
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



86

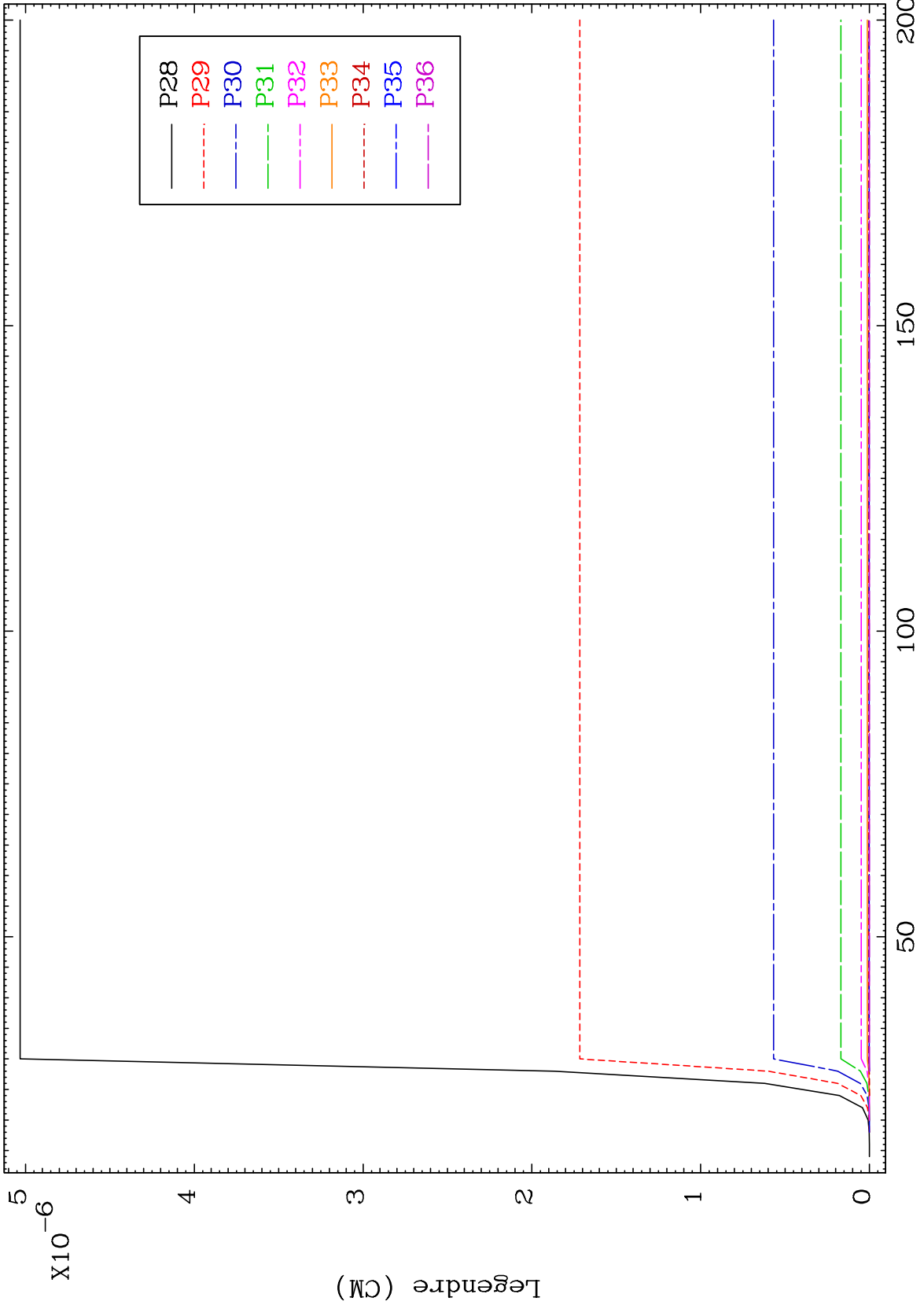
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



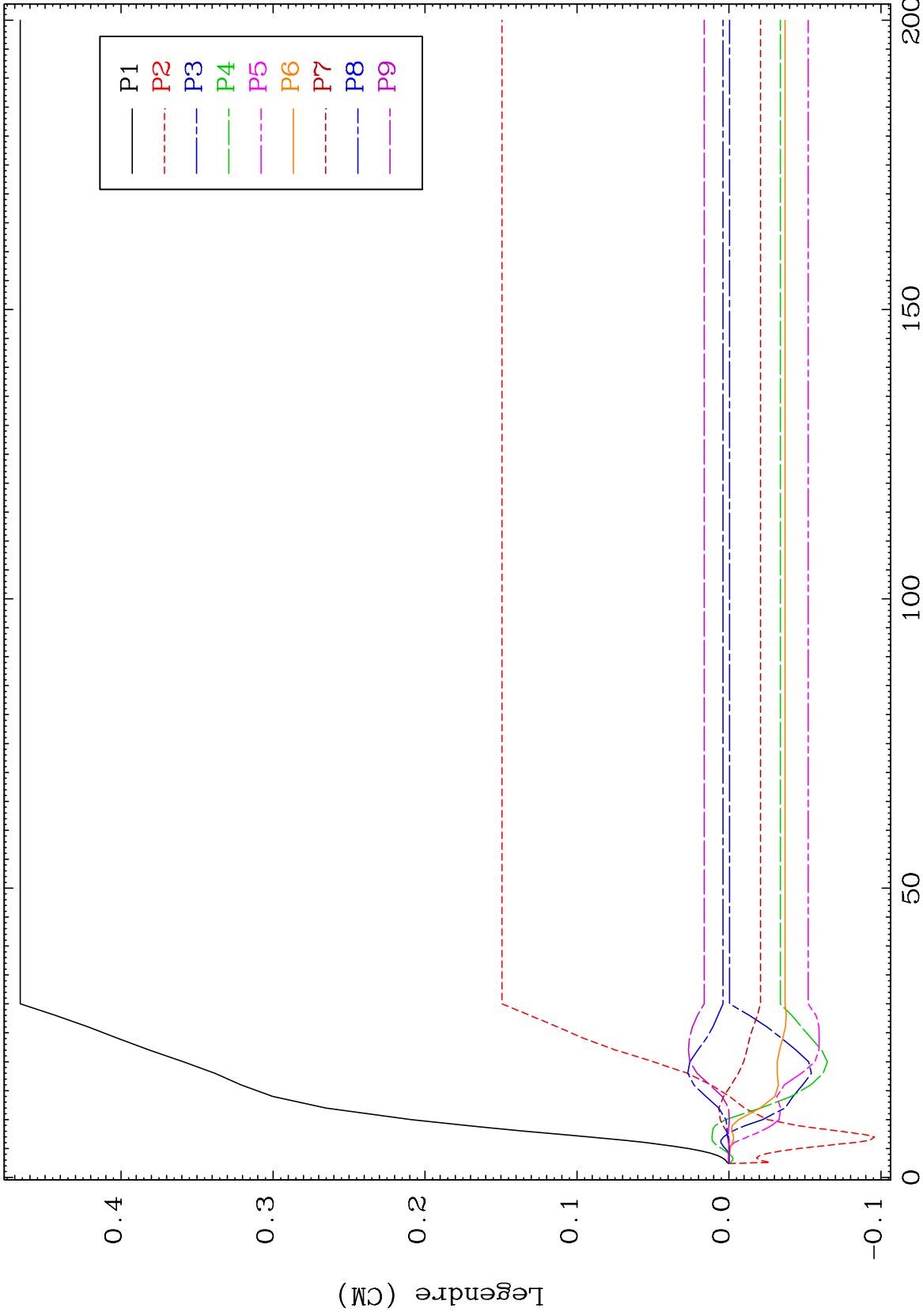
87

58-Ce-142

MAT 5843

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

58-Ce-142



88

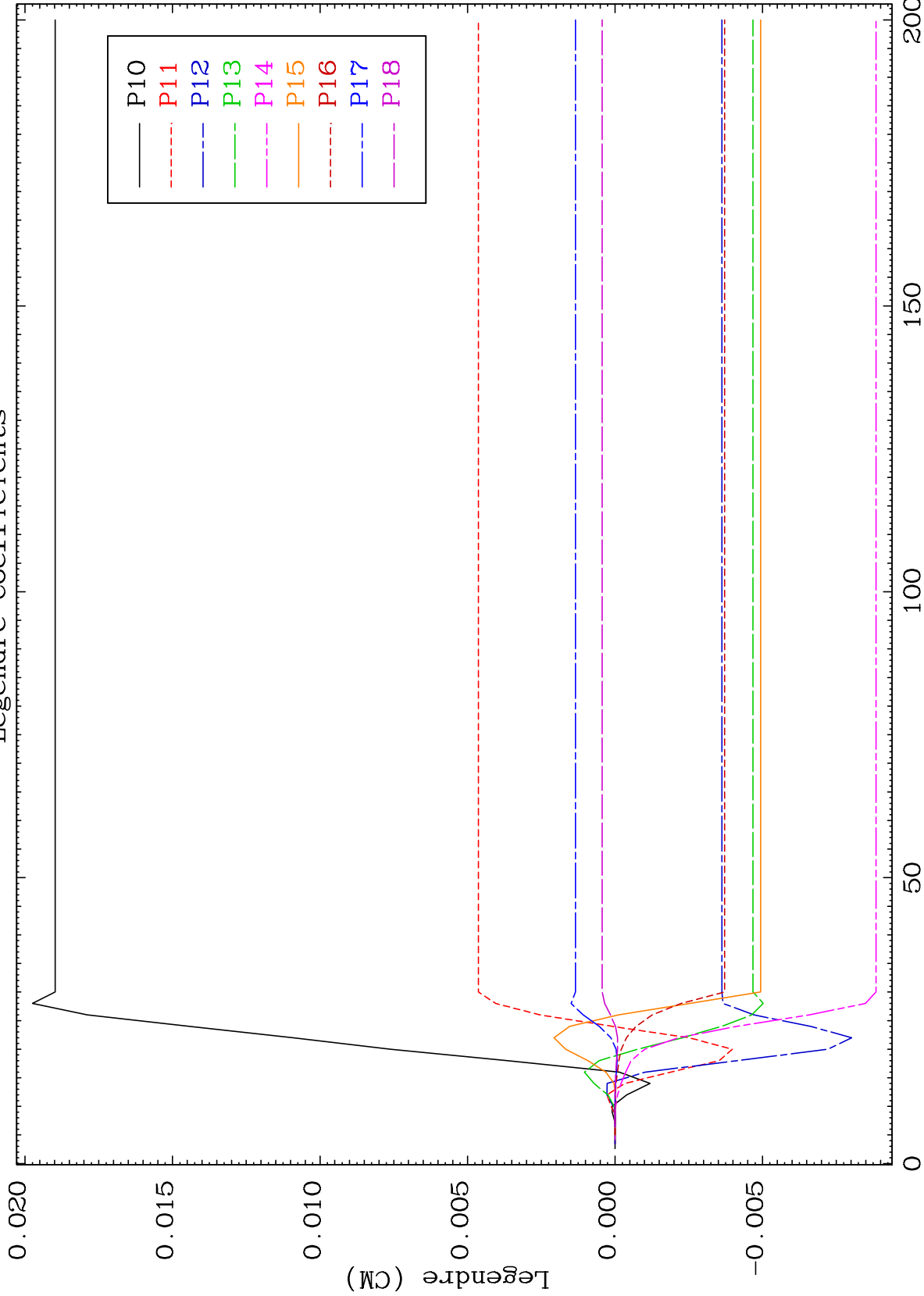
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



89

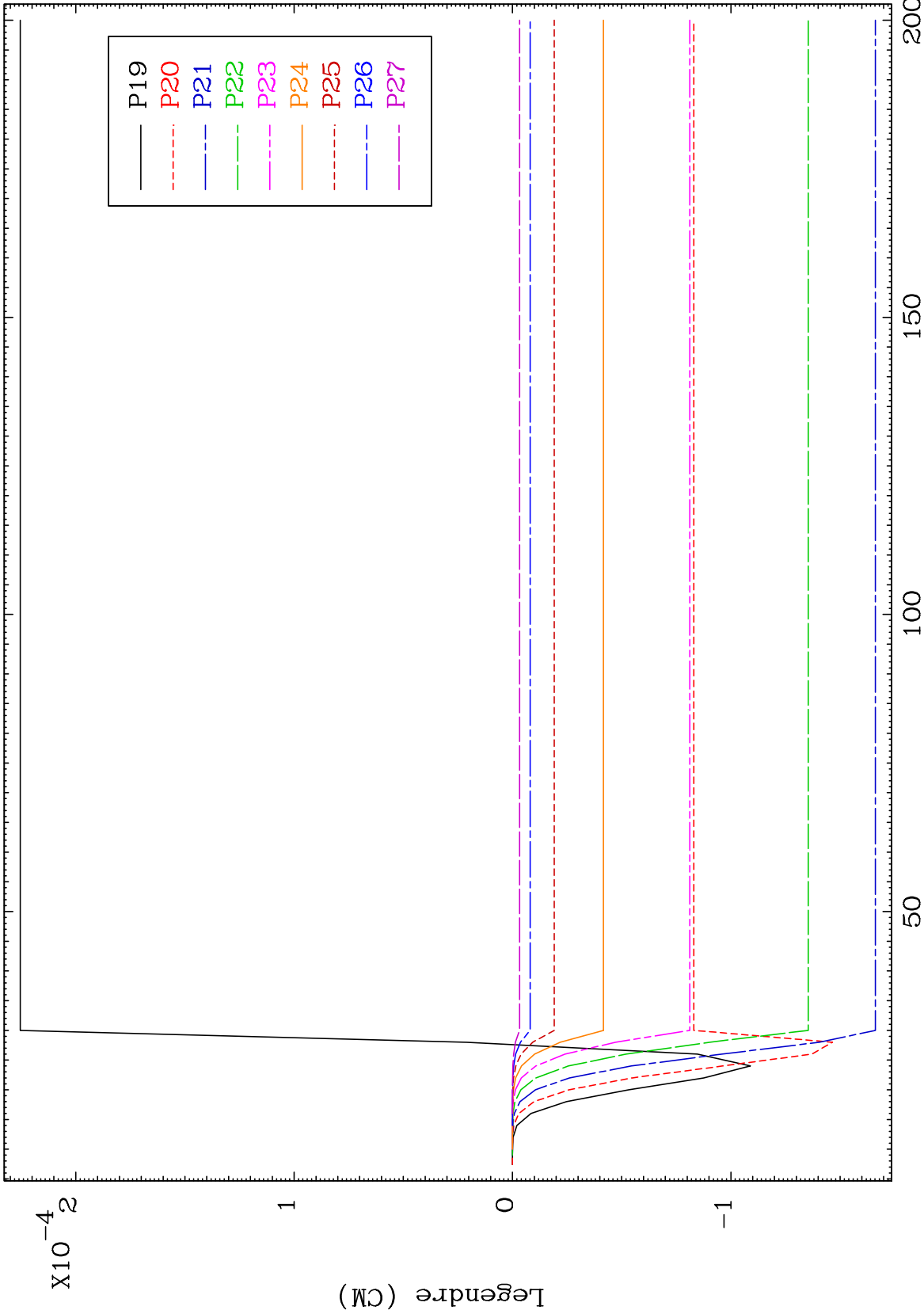
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



90

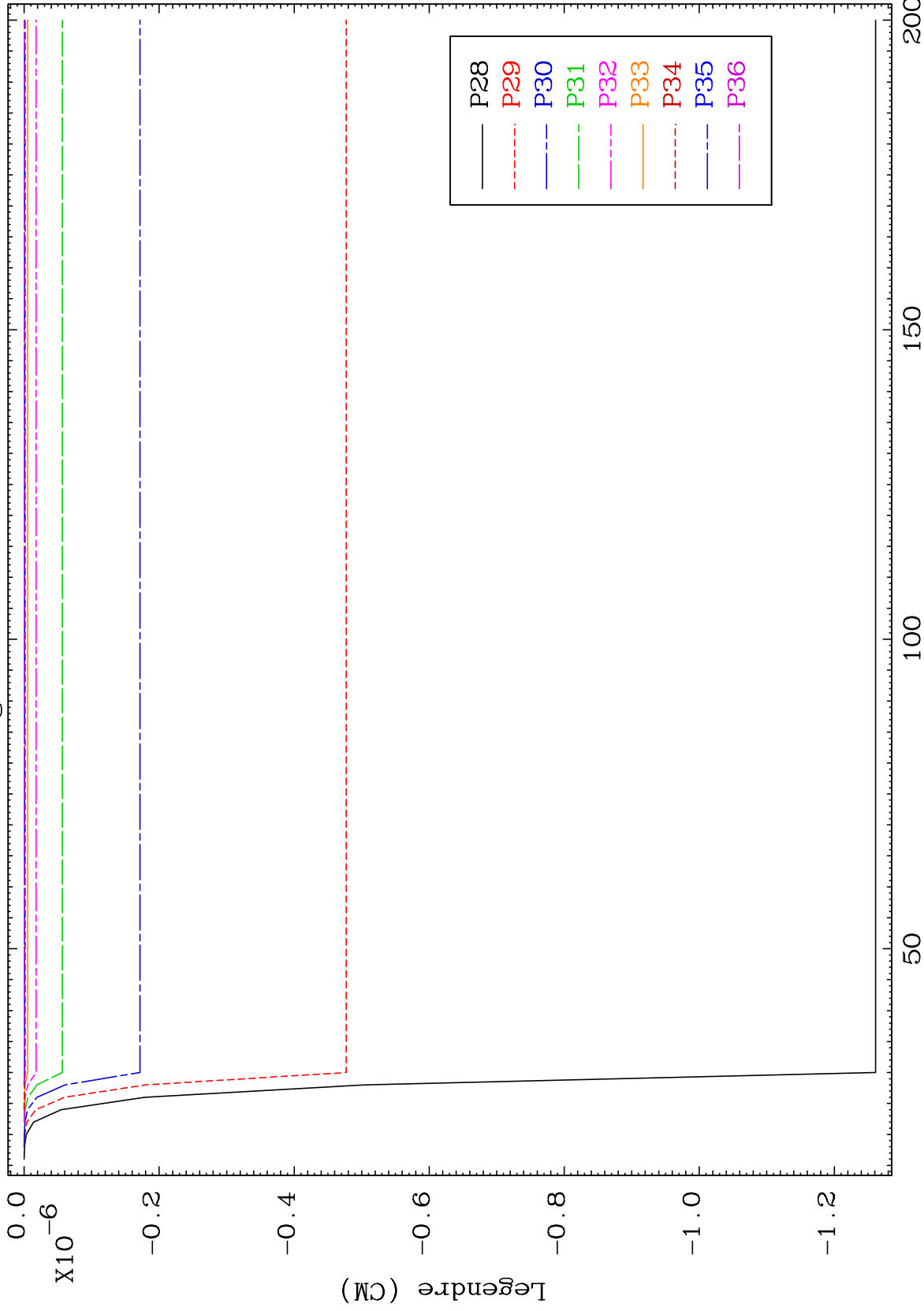
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142

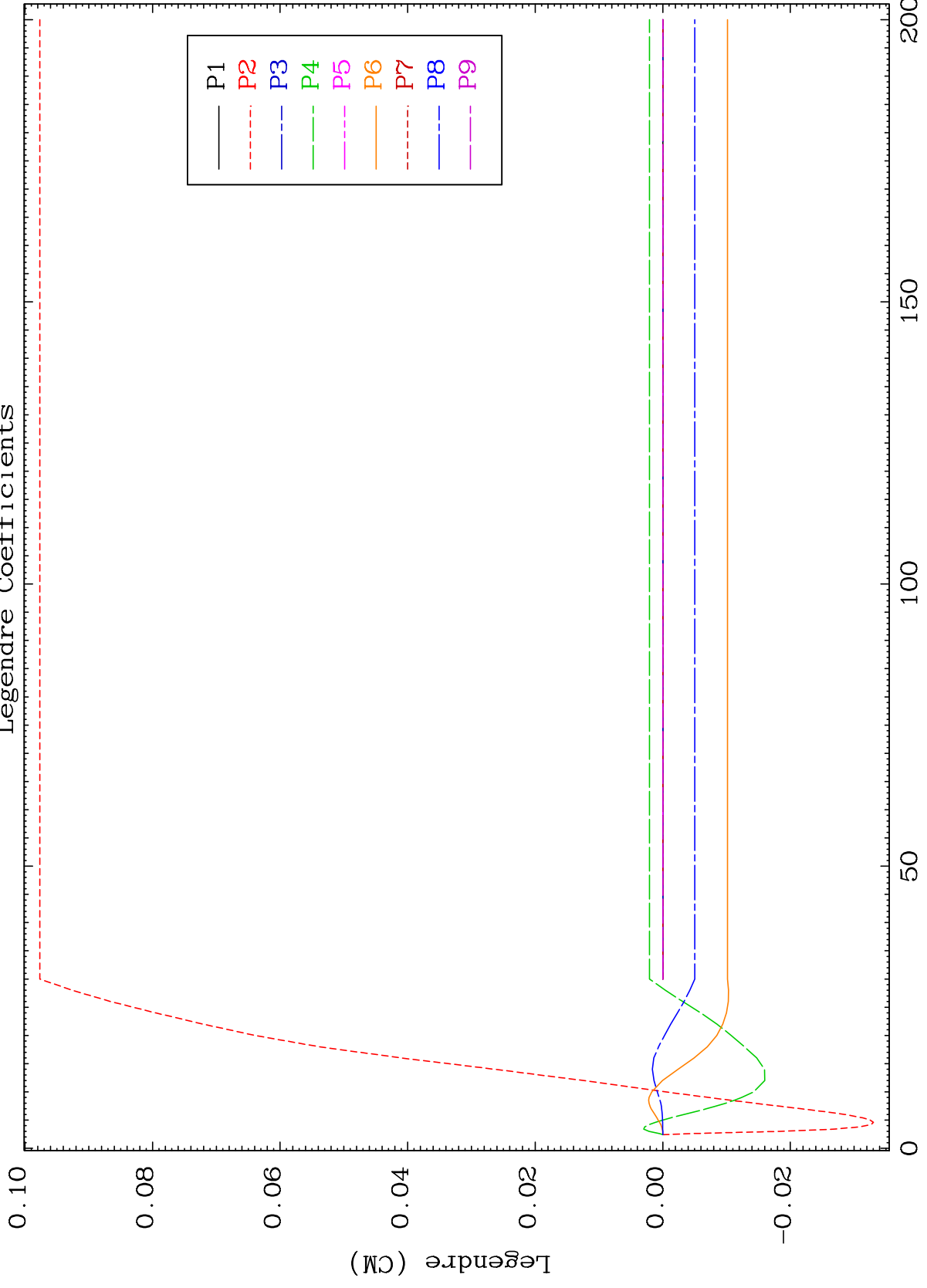


91

Incident Energy (MeV)

58-Ce-142

MAT 5843 MT= 70 (n,n') Level Legendre Coefficients 58-Ce-142

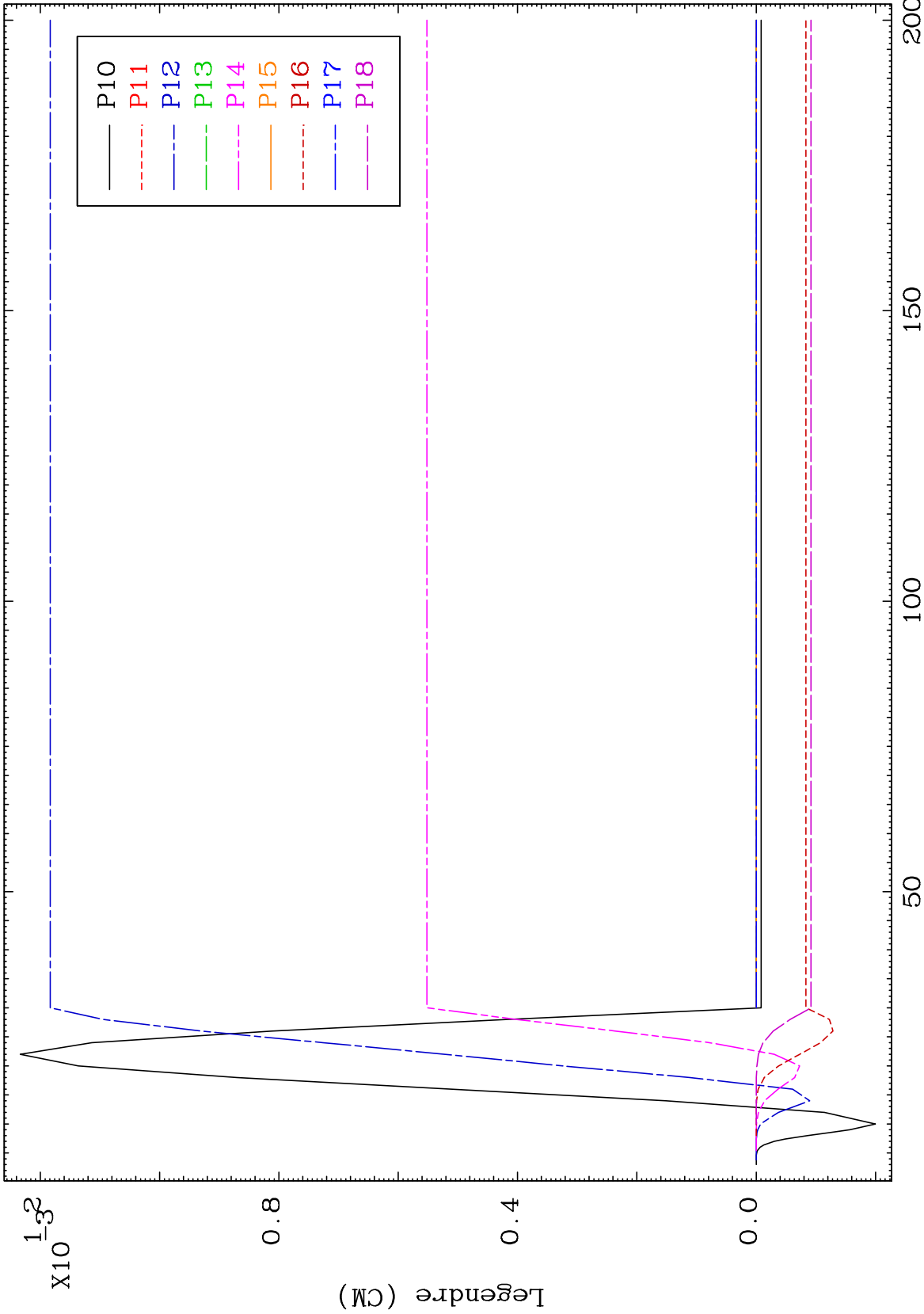


92 58-Ce-142

MAT 5843

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

58-Ce-142



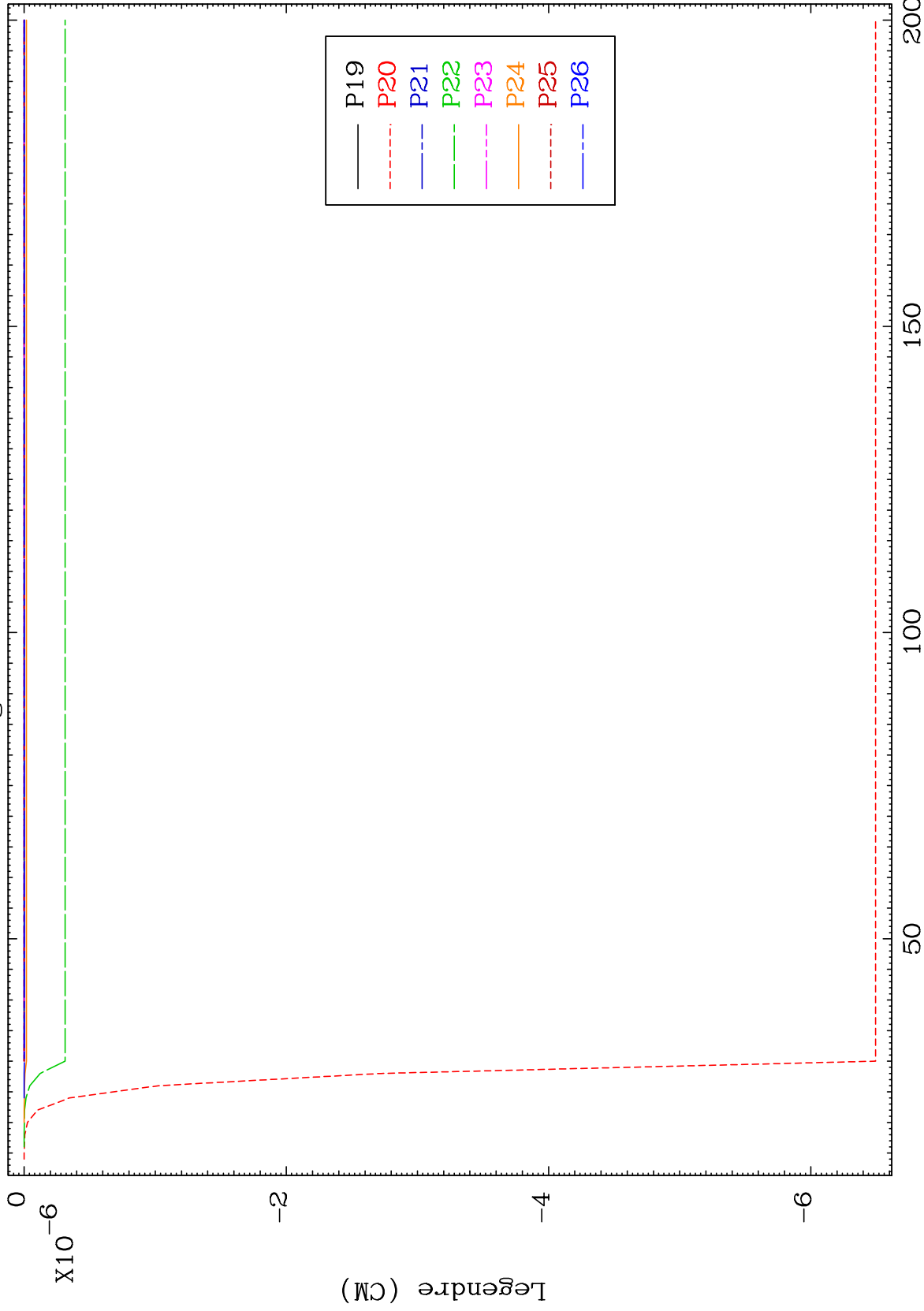
93

58-Ce-142

MAT 5843

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

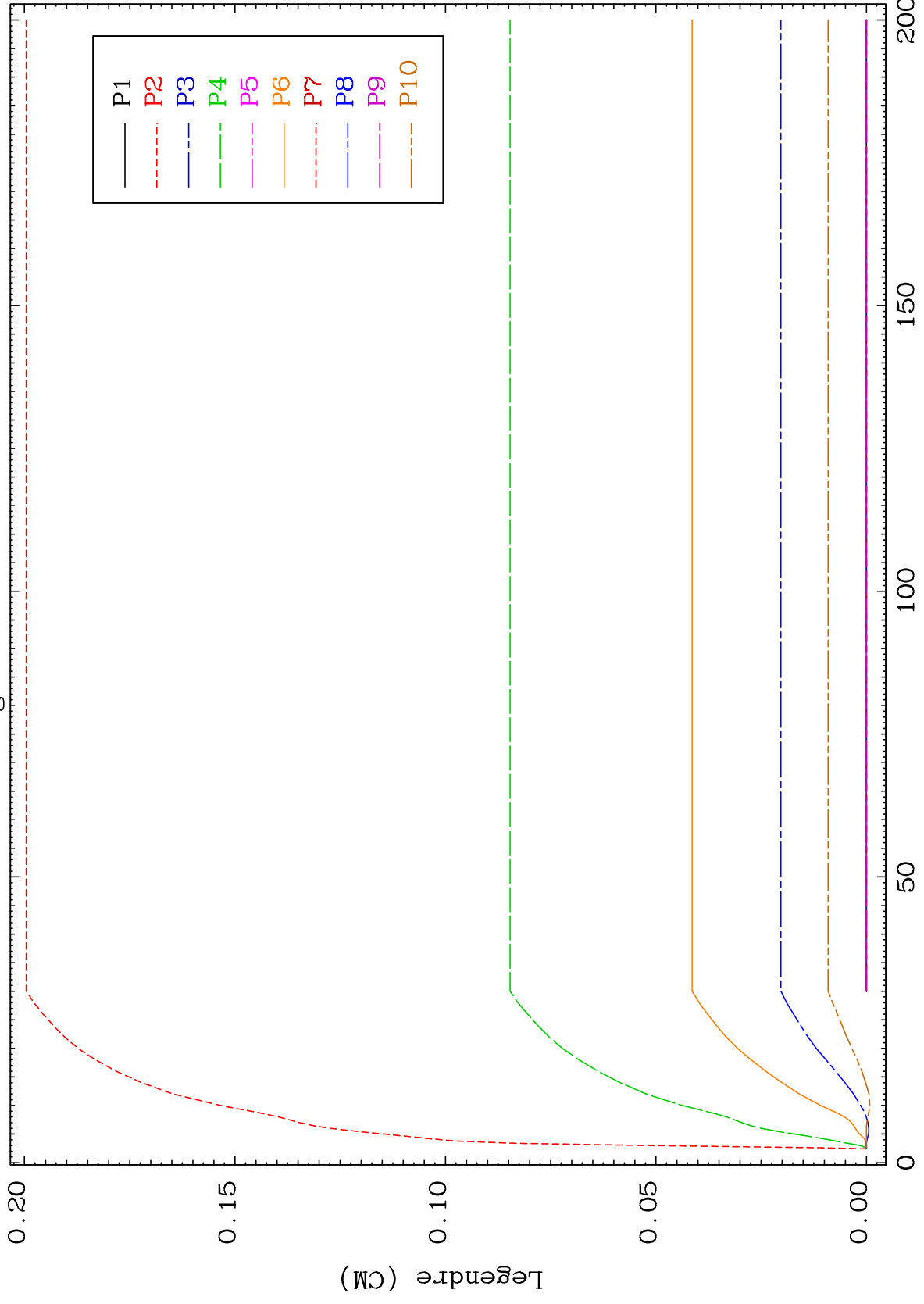
58-Ce-142



94

58-Ce-142

MAT 5843 MT= 71 (n,n') Level Legendre Coefficients 58-Ce-142

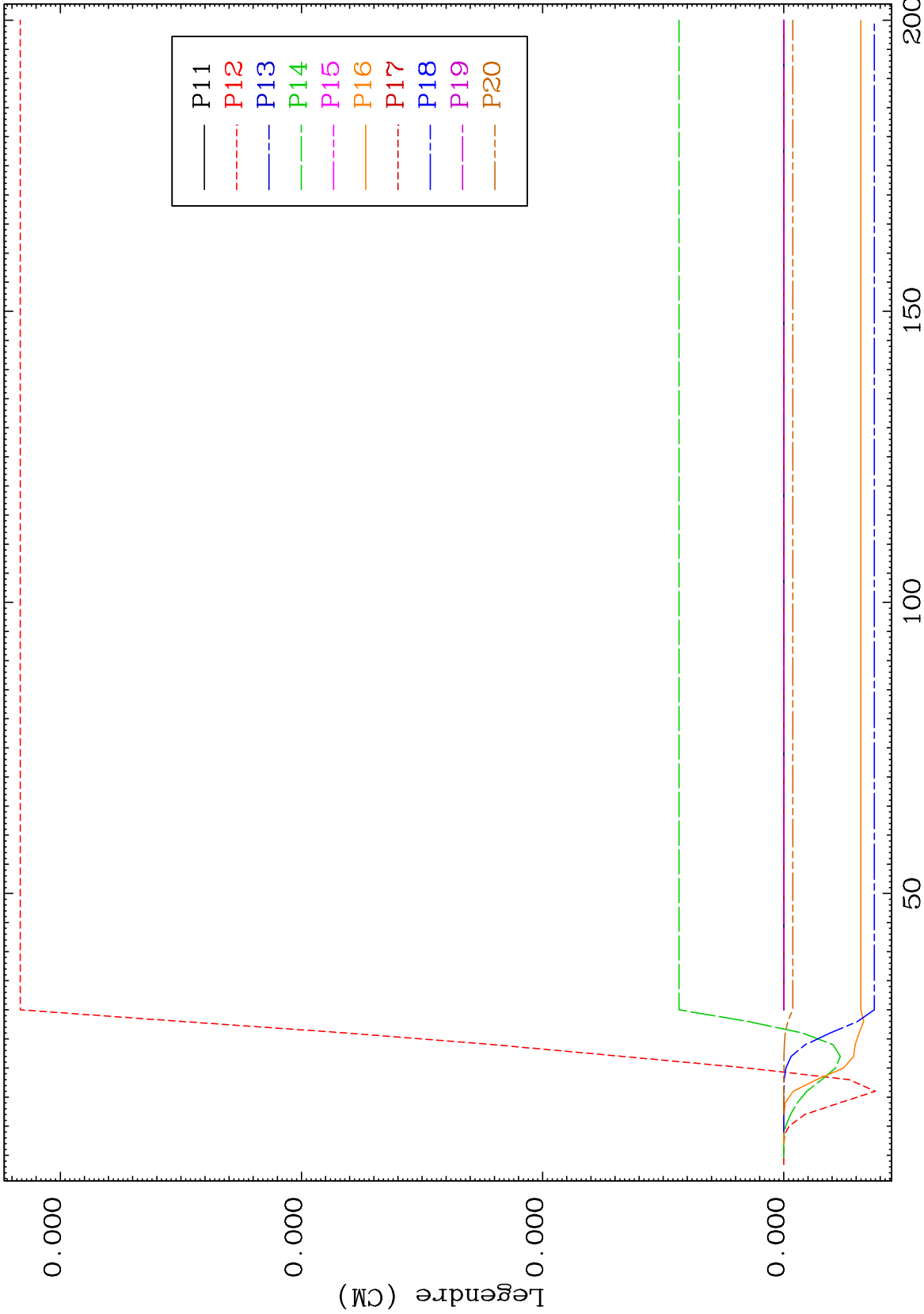


95 Incident Energy (MeV) 58-Ce-142

MAT 5843

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

58-Ce-142



96

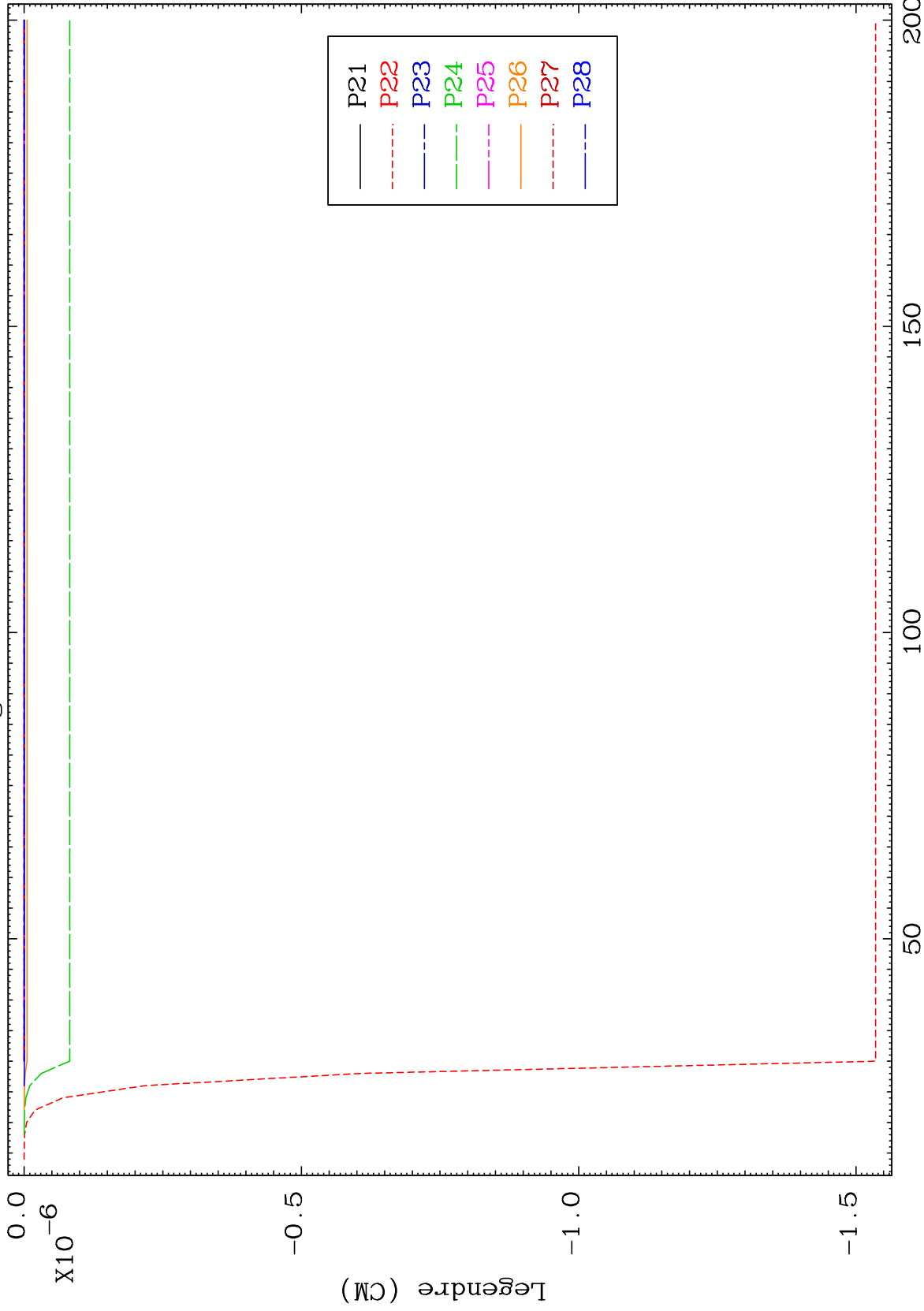
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



97

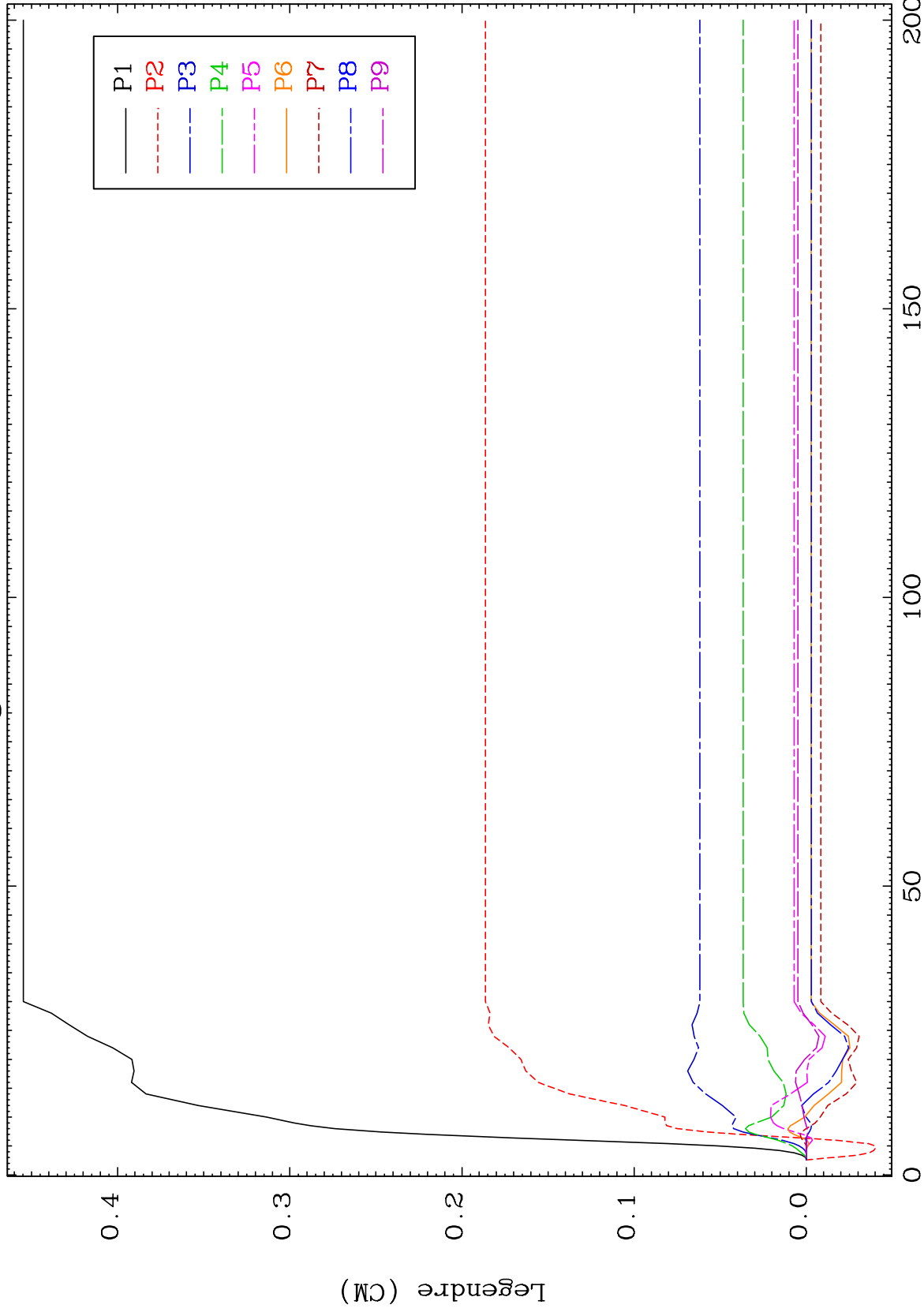
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



98

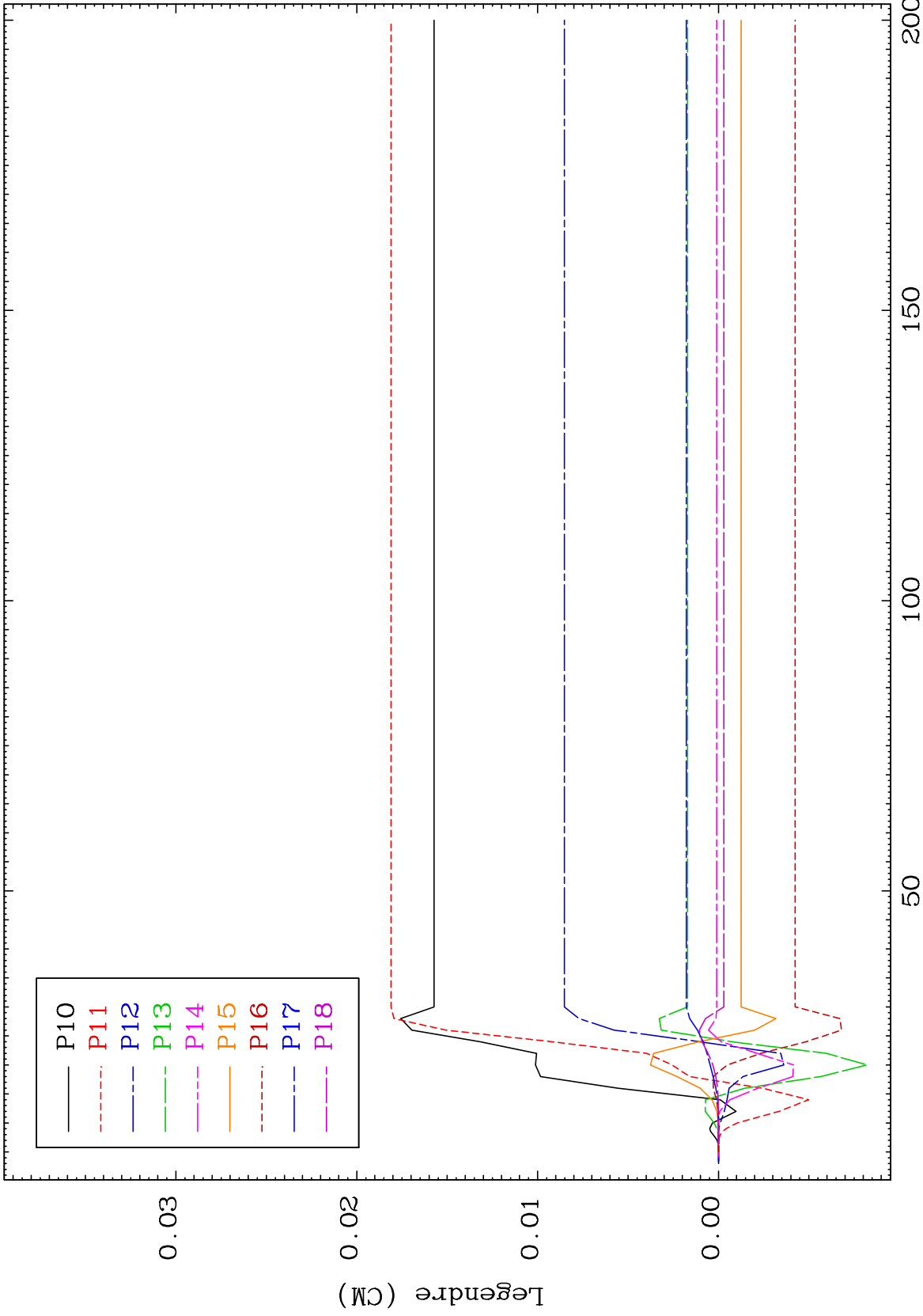
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



99

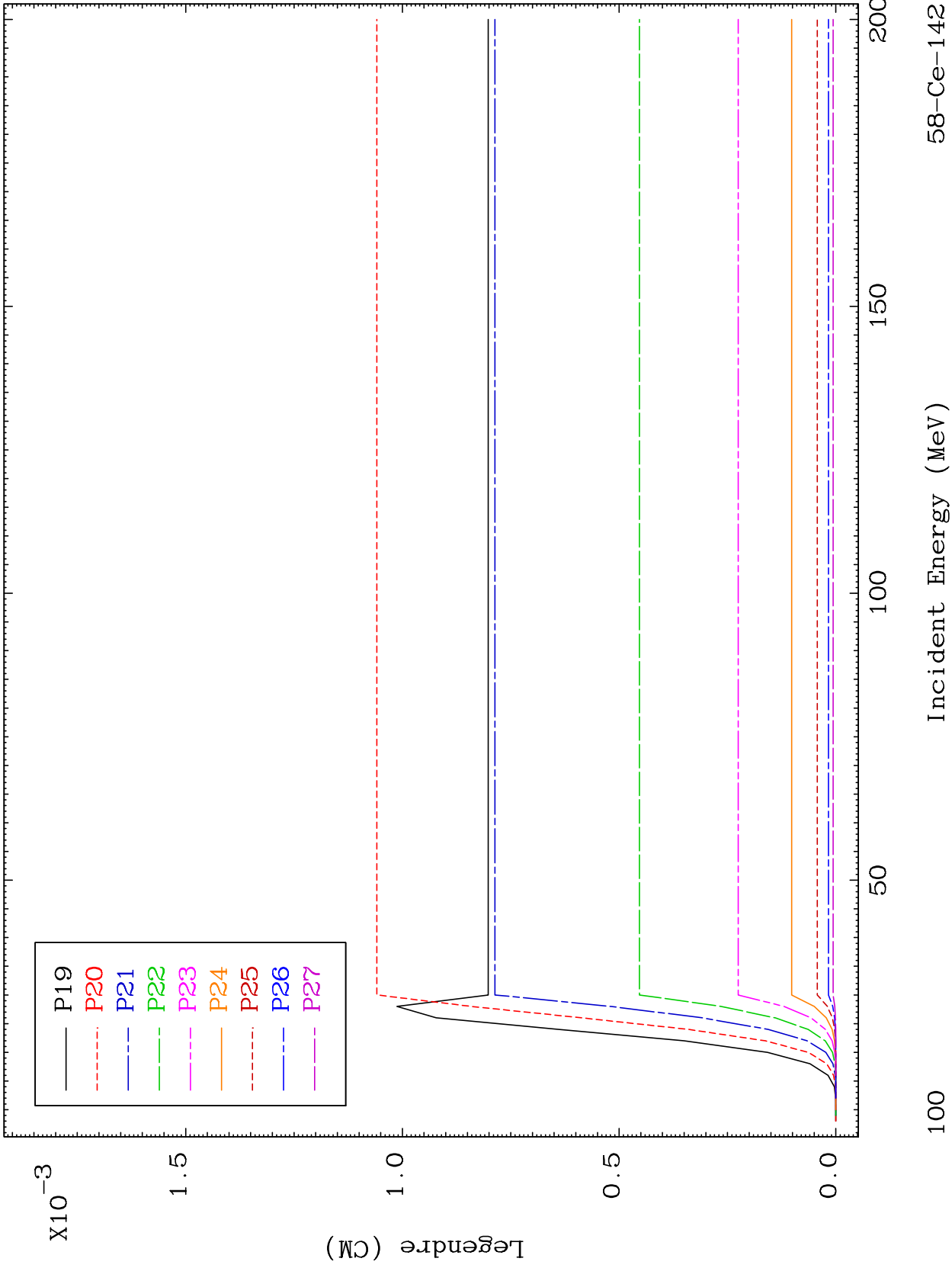
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

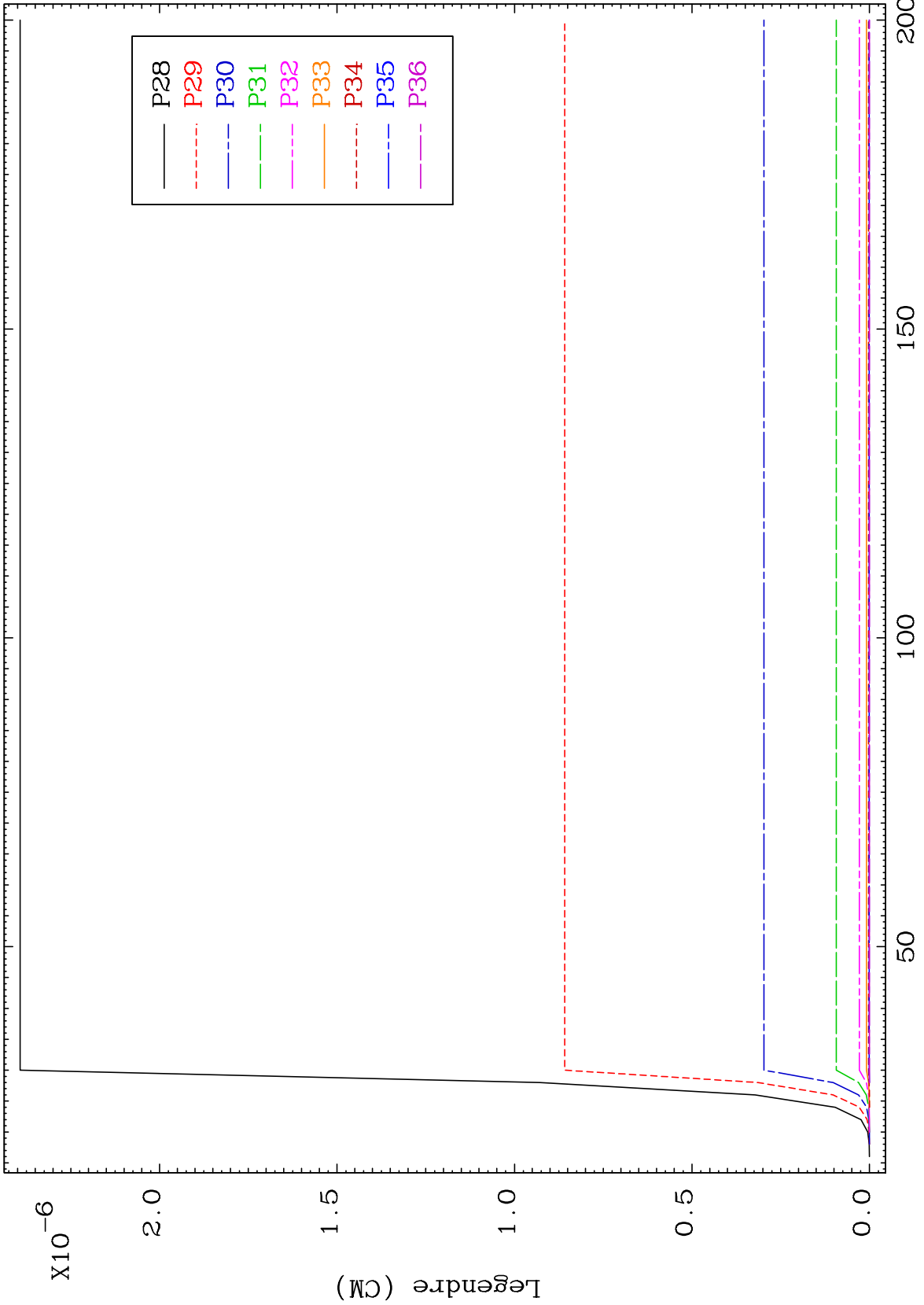
58-Ce-142



MAT 5843

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

58-Ce-142



101

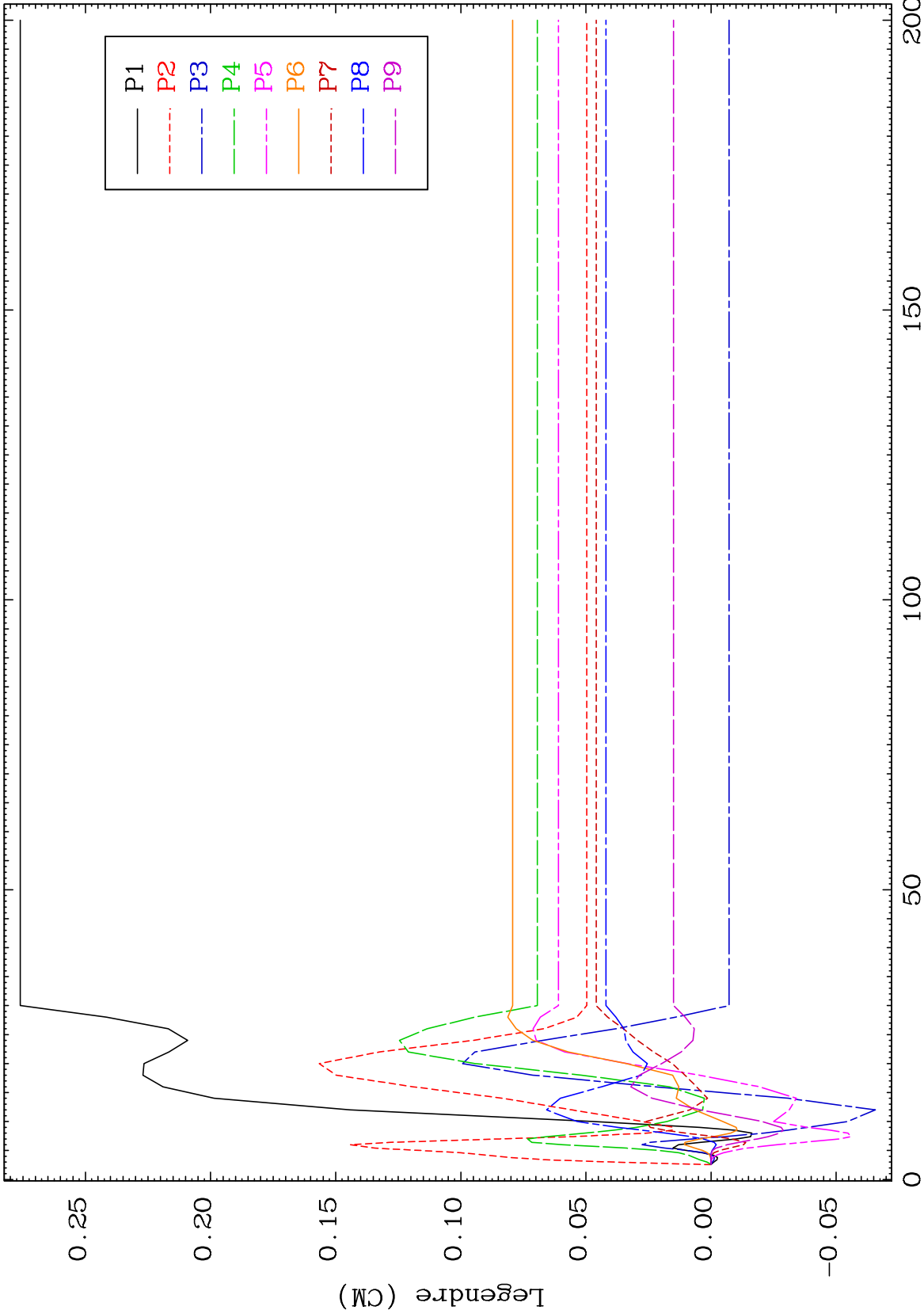
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



102

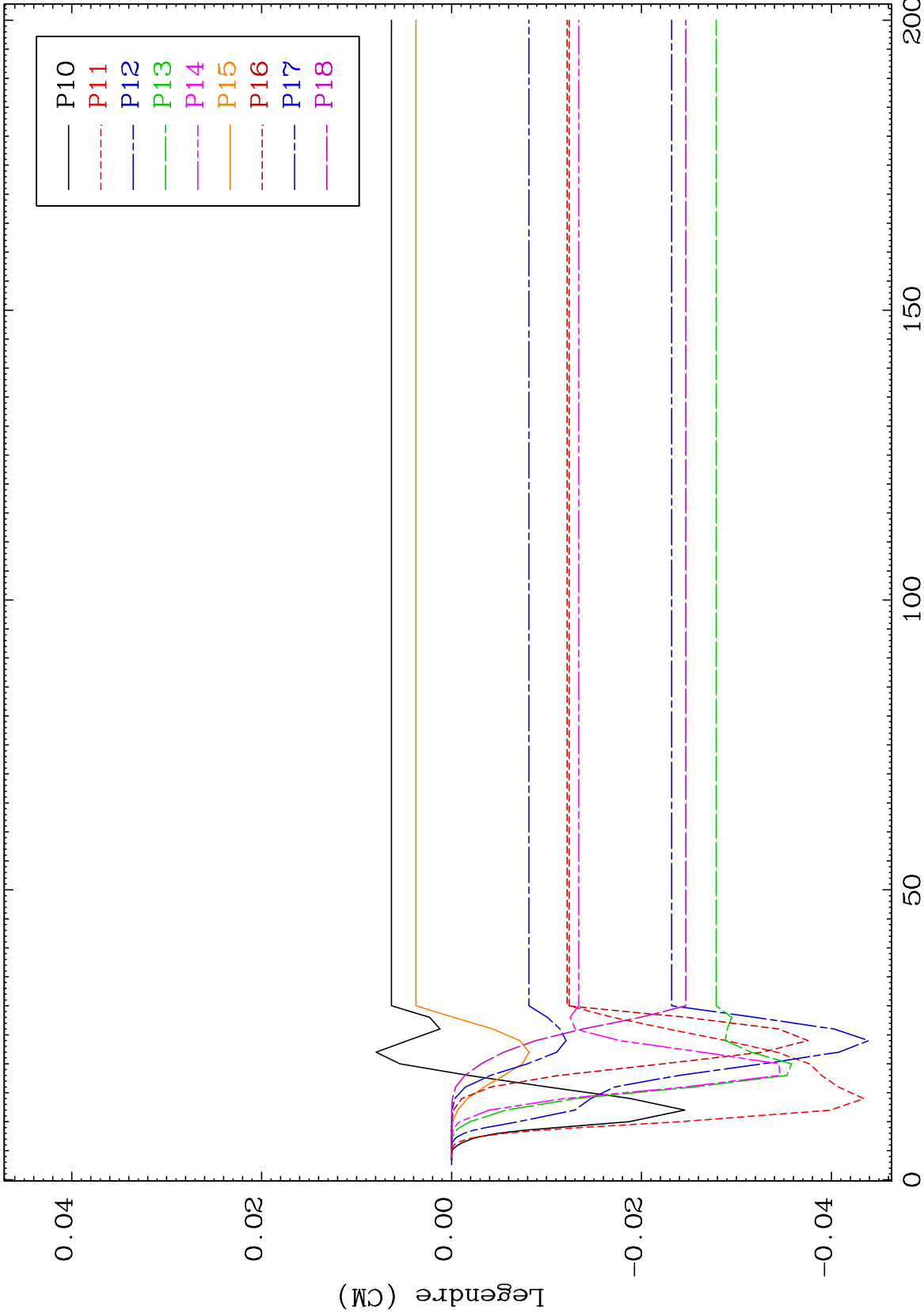
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142

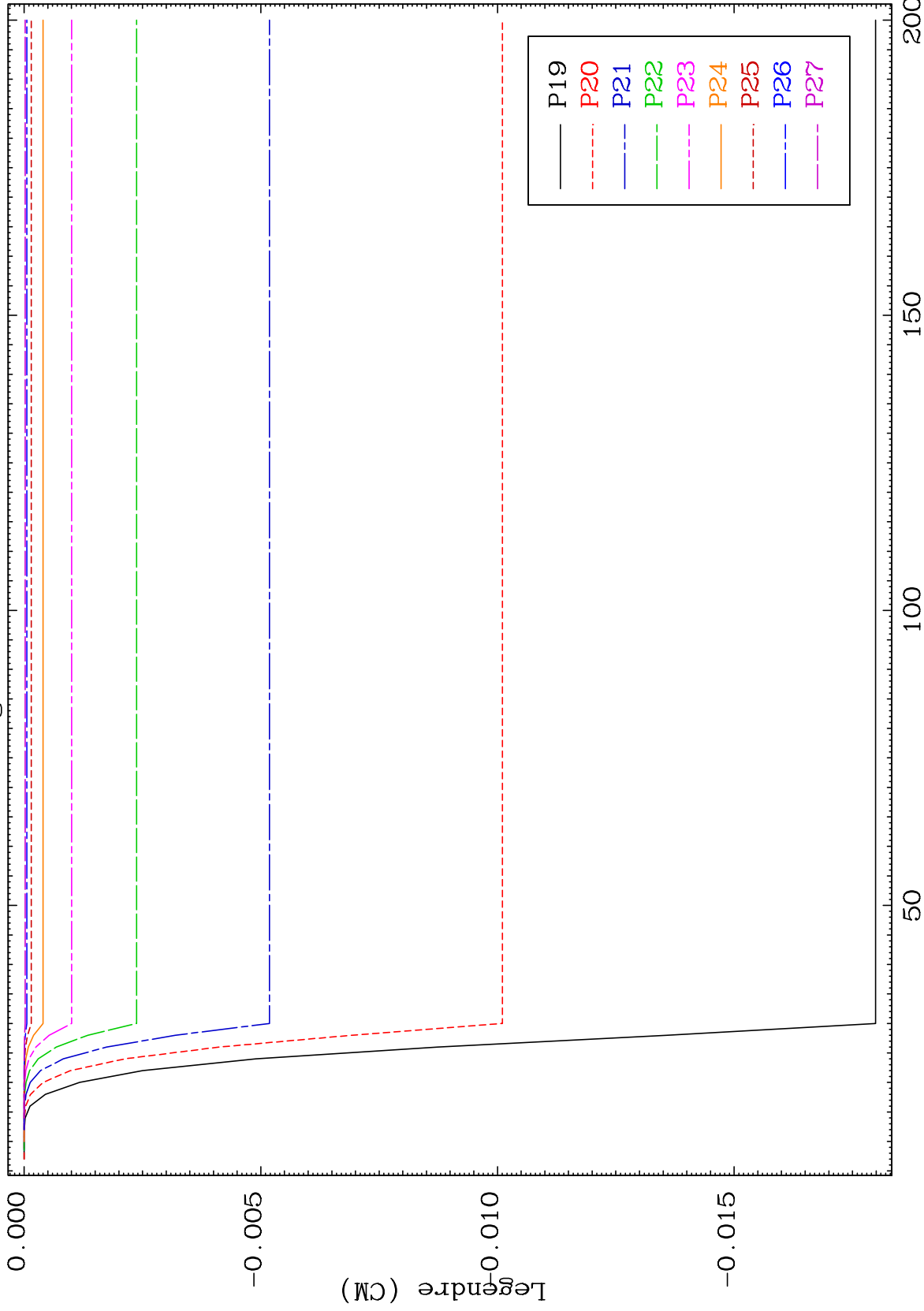


103

Incident Energy (MeV)

58-Ce-142

MAT 5843 MT= 73 (n,n') Level Legendre Coefficients 58-Ce-142

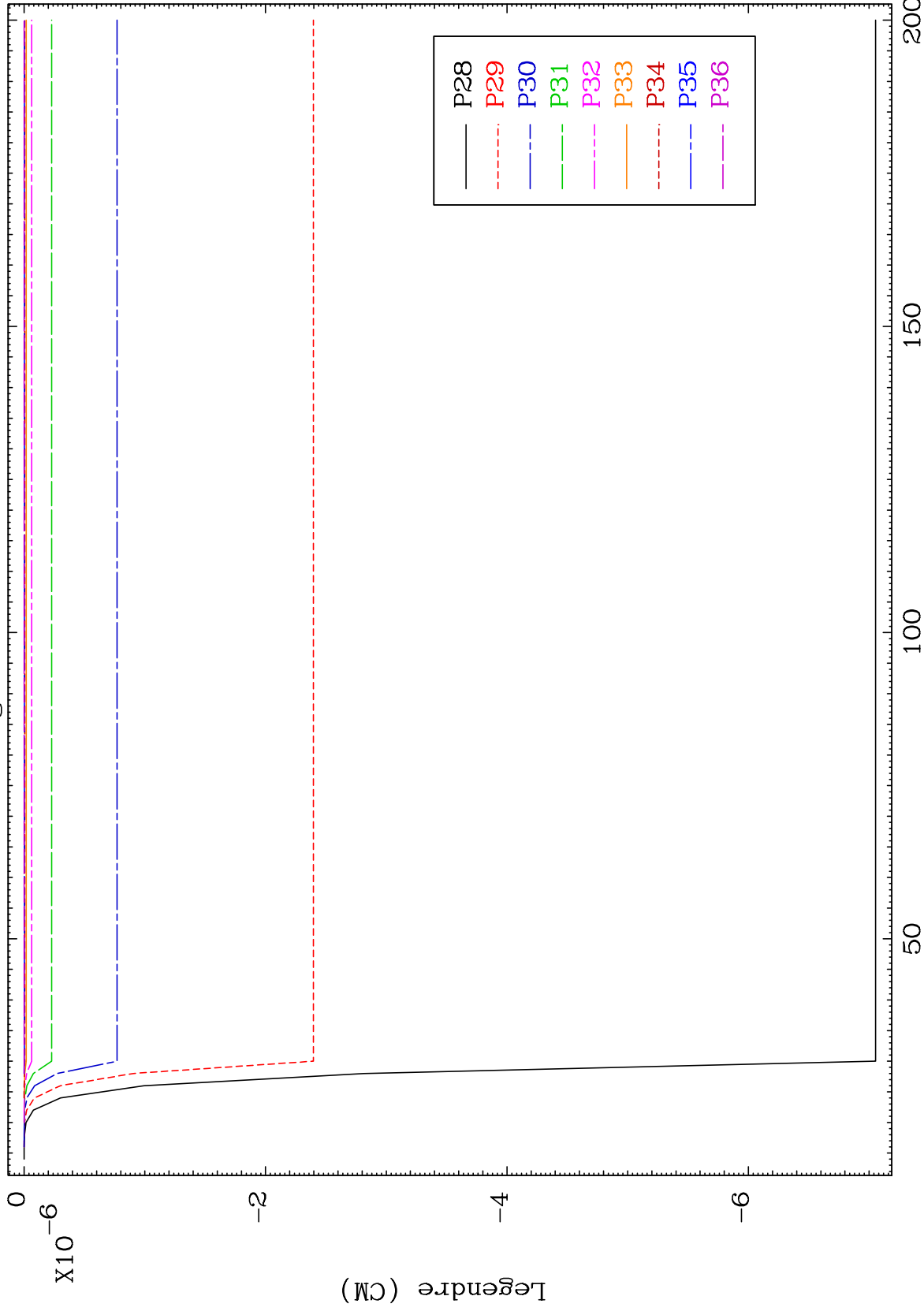


104 58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

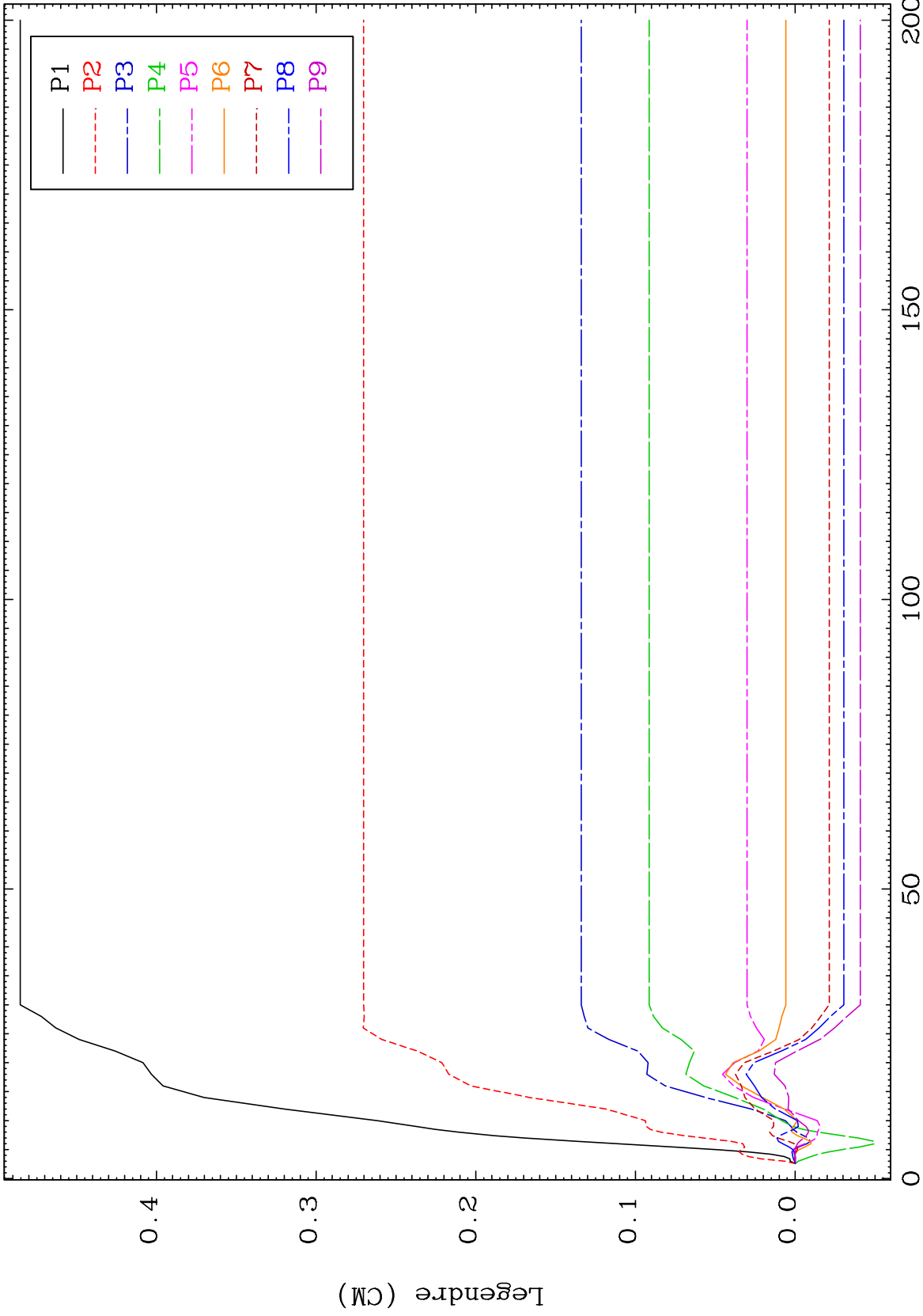
Incident Energy (MeV)

105

MAT 5843

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

58-Ce-142



106

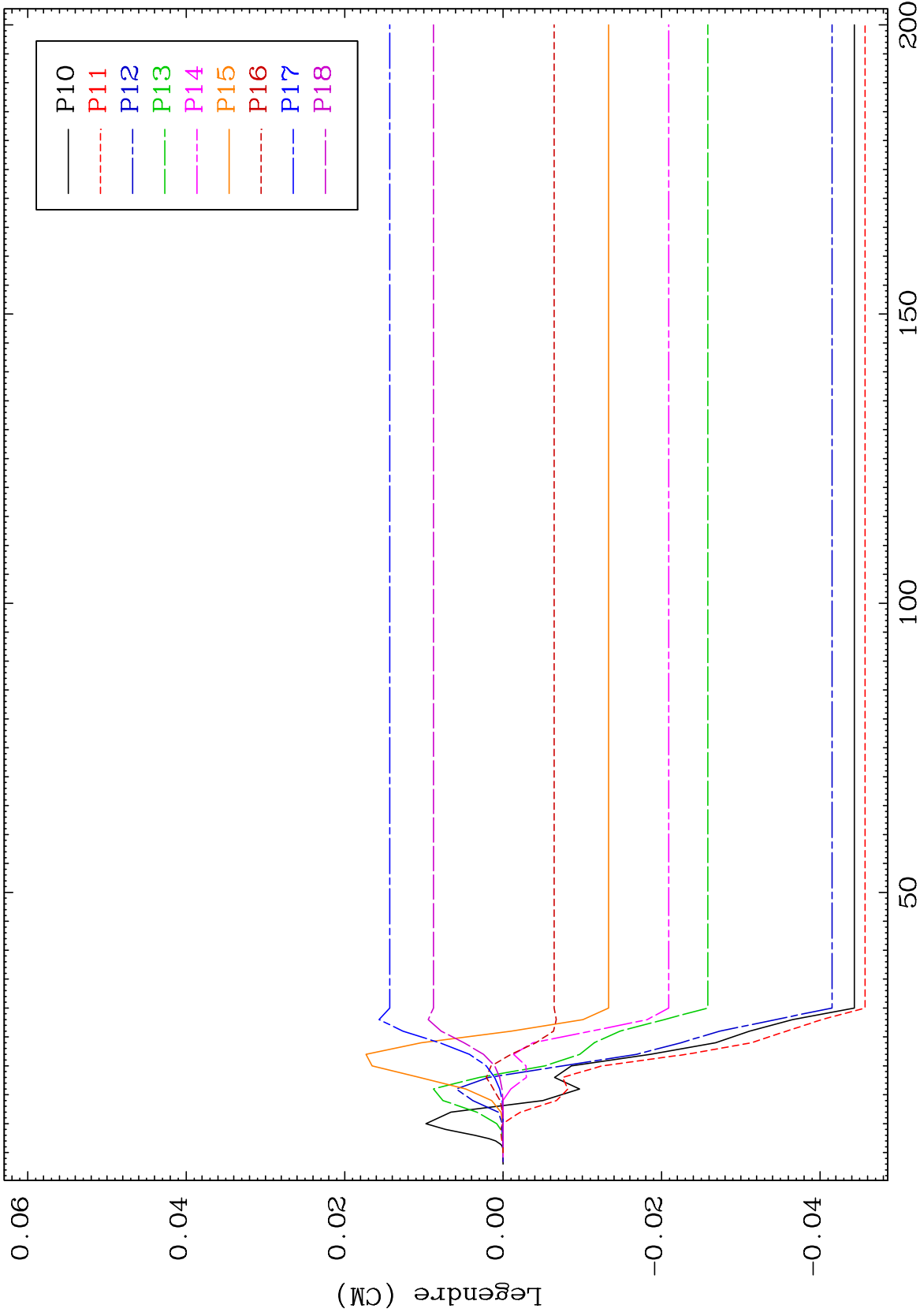
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



107

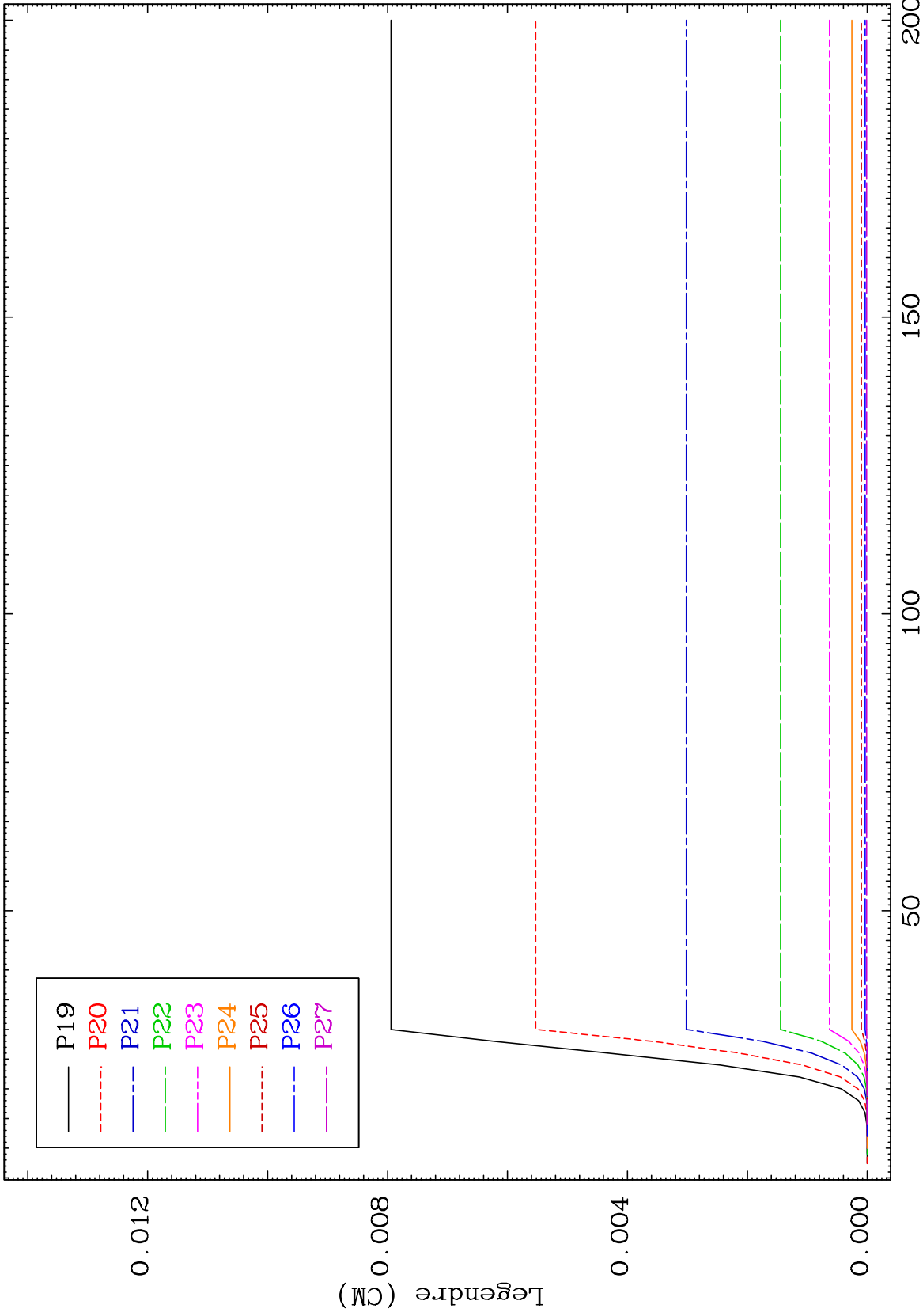
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



108

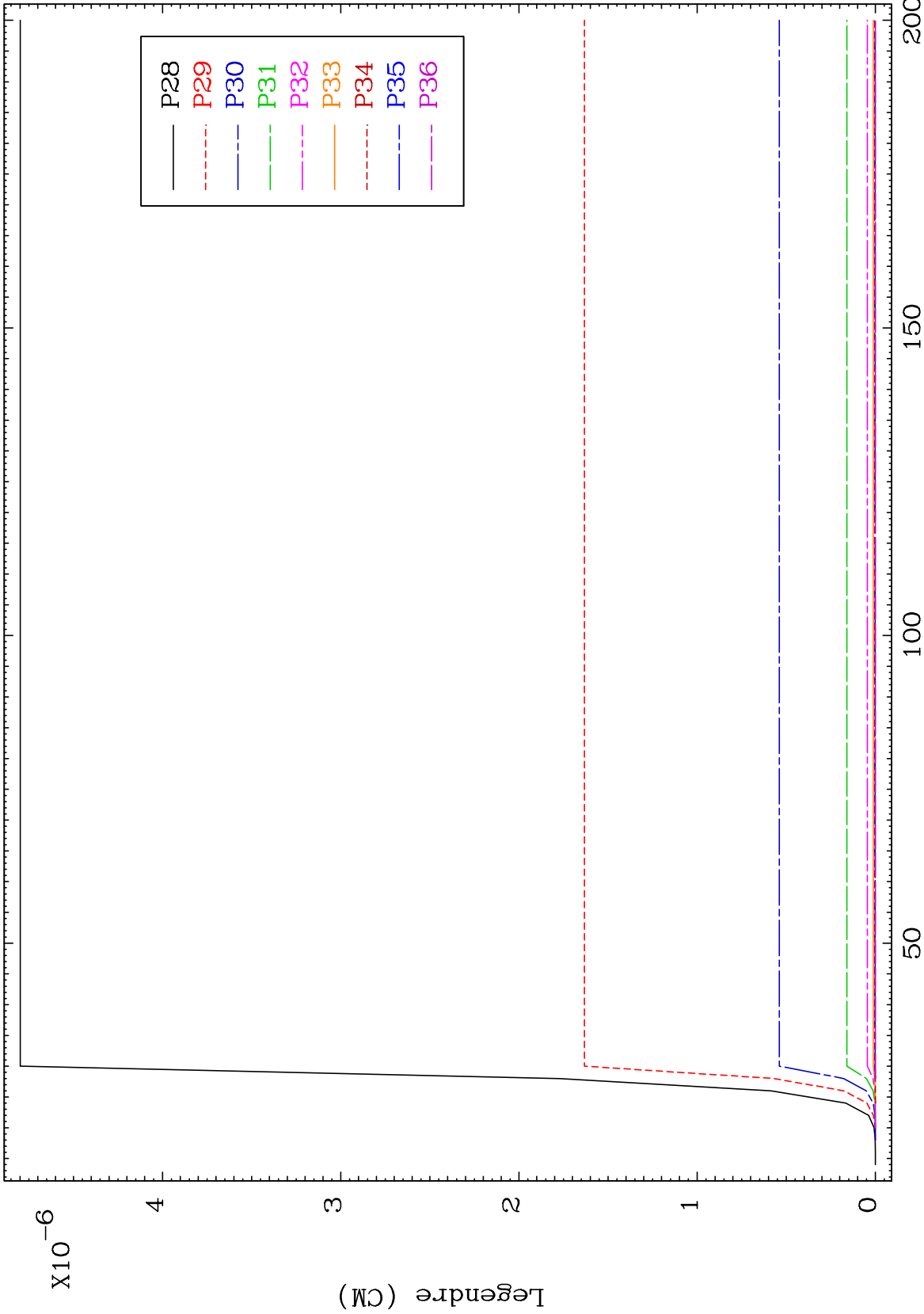
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142

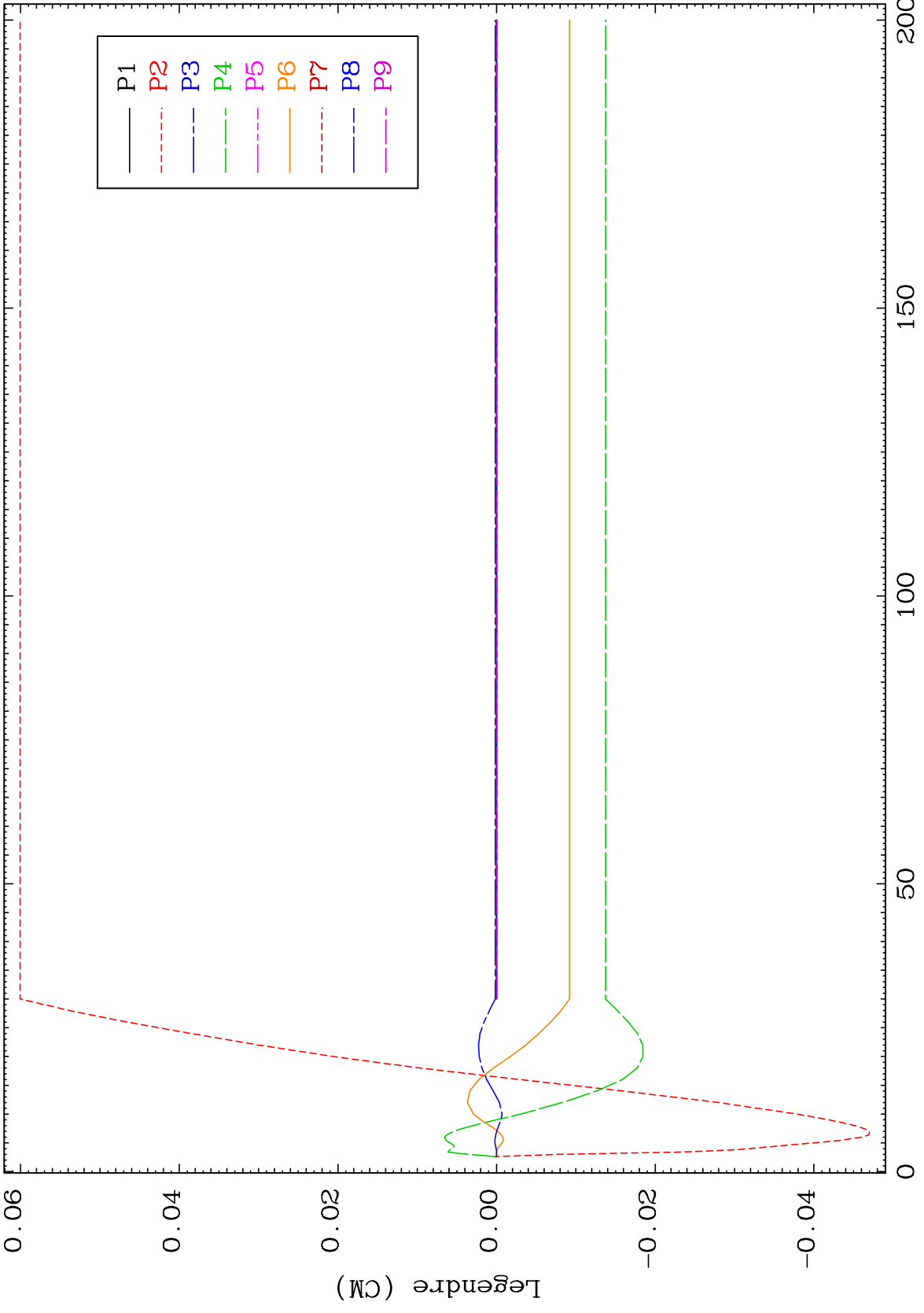


109

Incident Energy (MeV)

58-Ce-142

MAT 5843 MT= 75 (n,n') Level Legendre Coefficients 58-Ce-142

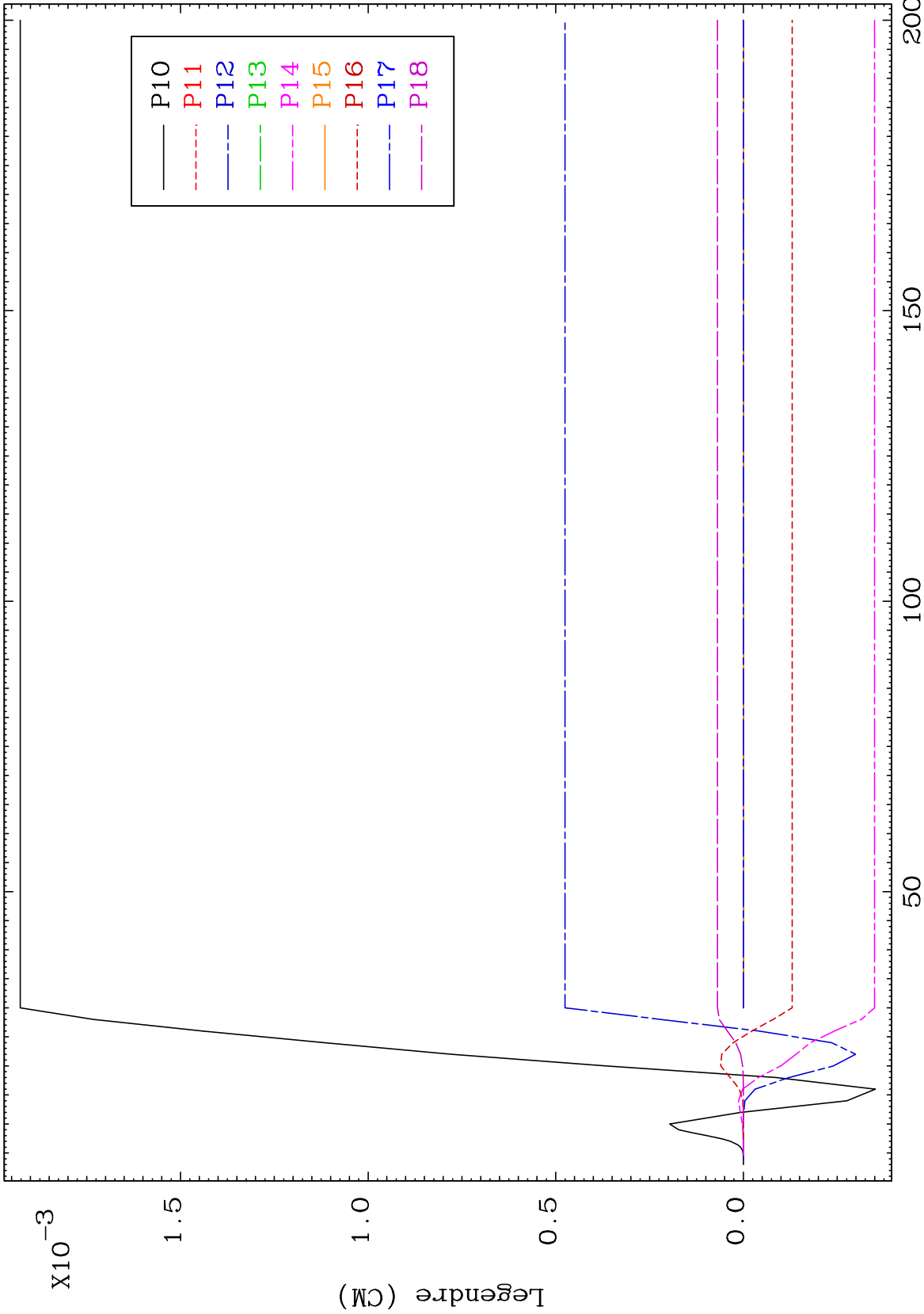


110 Incident Energy (MeV) 58-Ce-142

MAT 5843

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

58-Ce-142



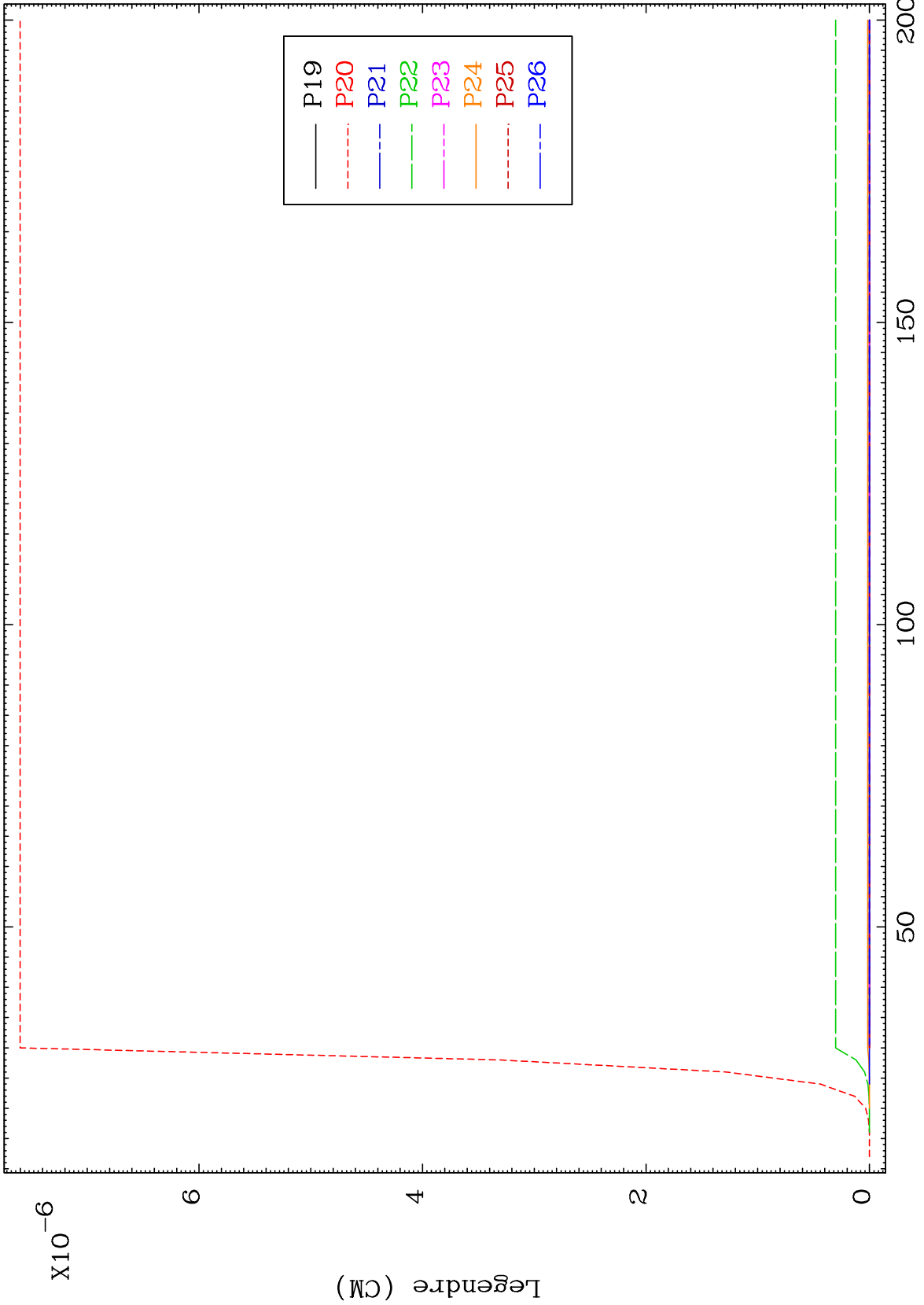
111

58-Ce-142

MAT 5843

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

58-Ce-142



112

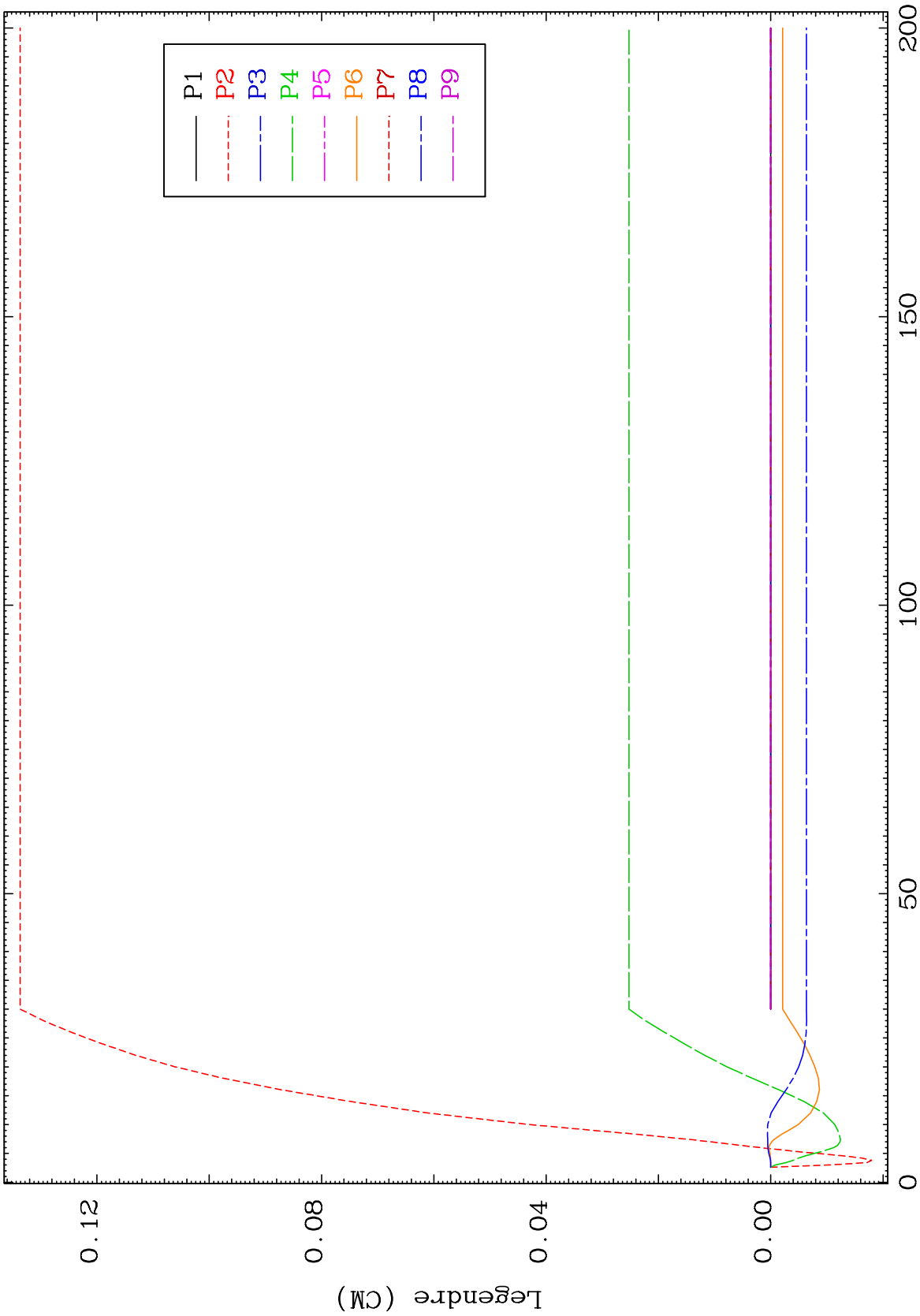
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



113

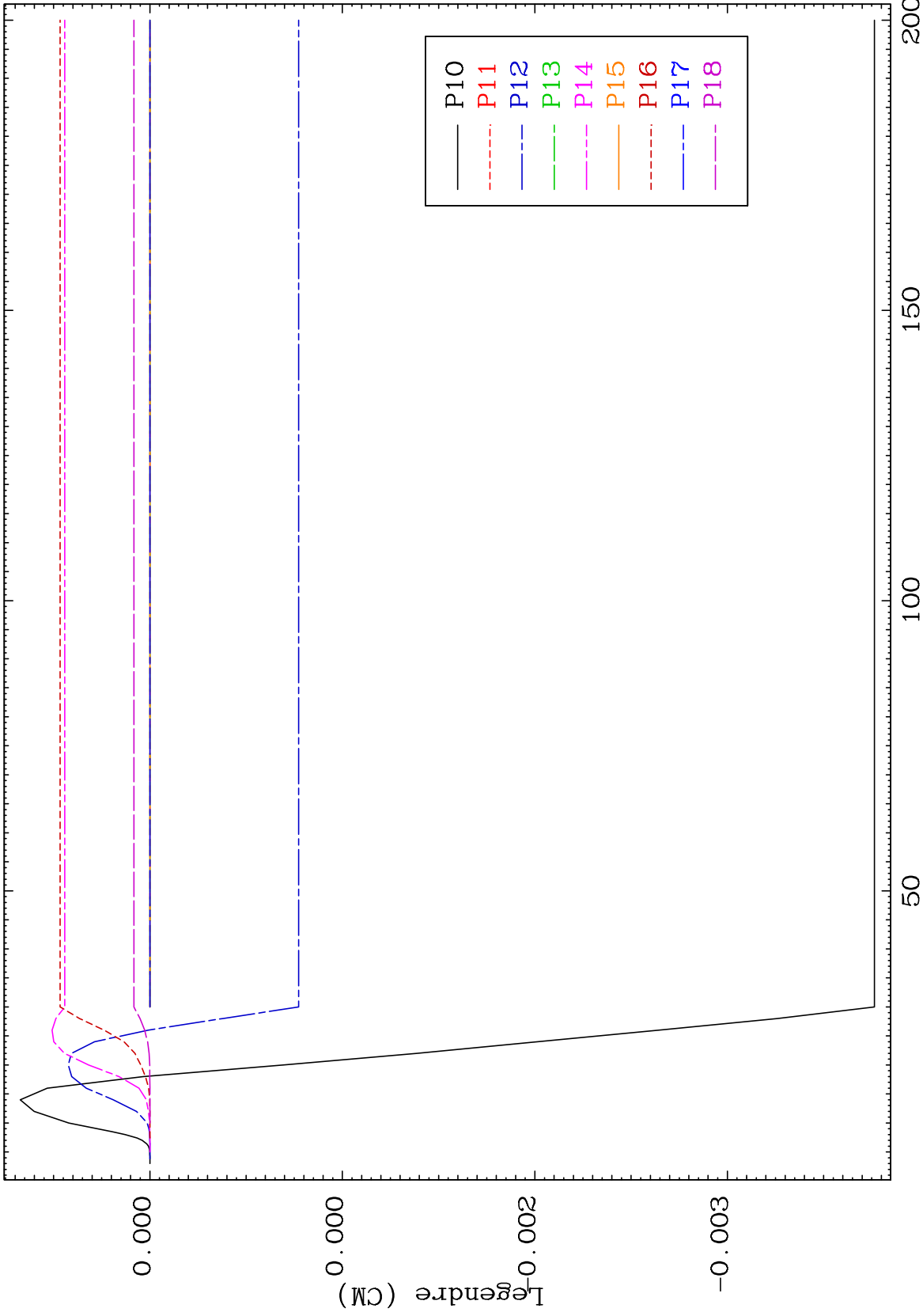
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



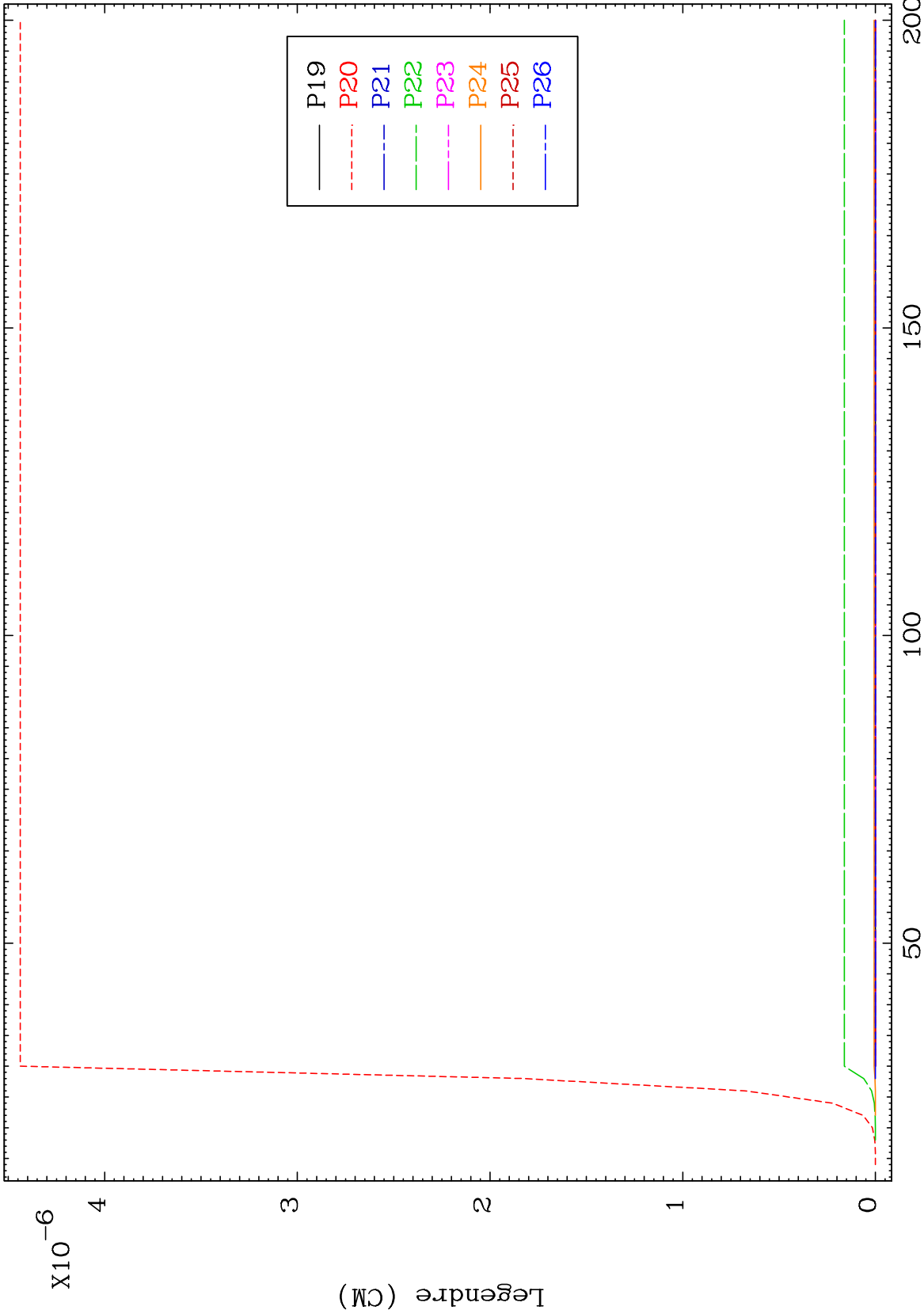
114

58-Ce-142

MAT 5843

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

58-Ce-142



115

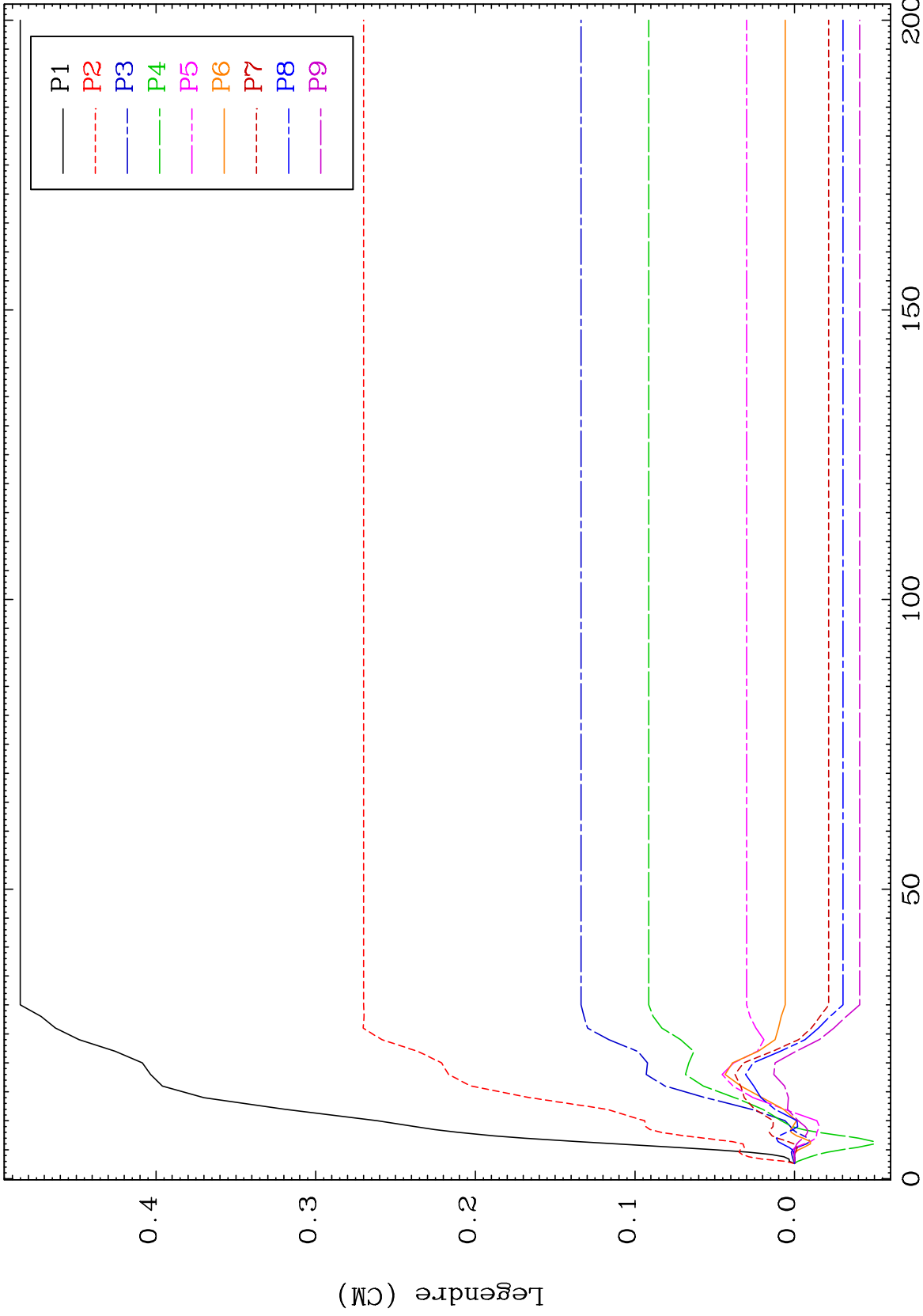
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



116

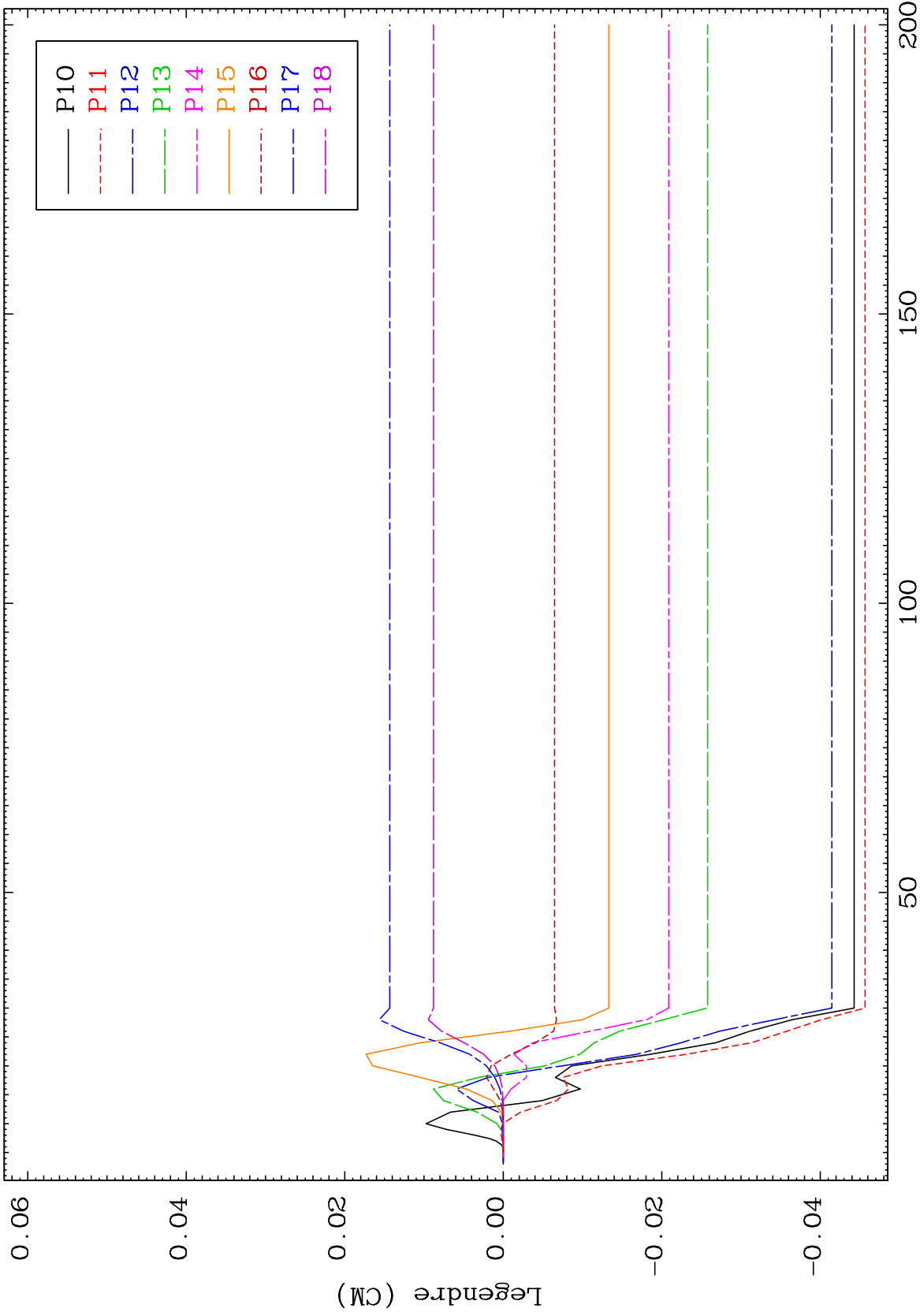
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



117

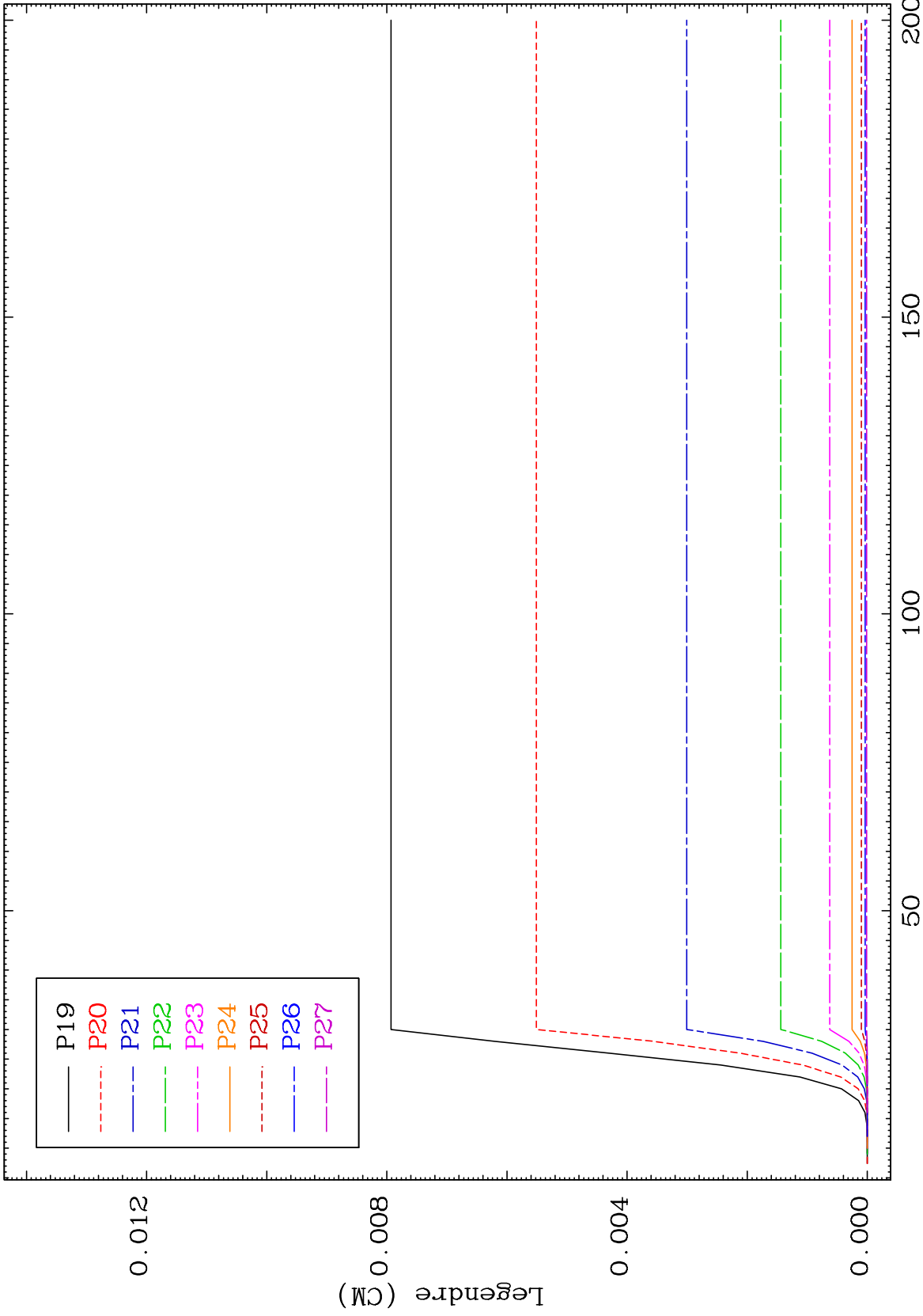
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

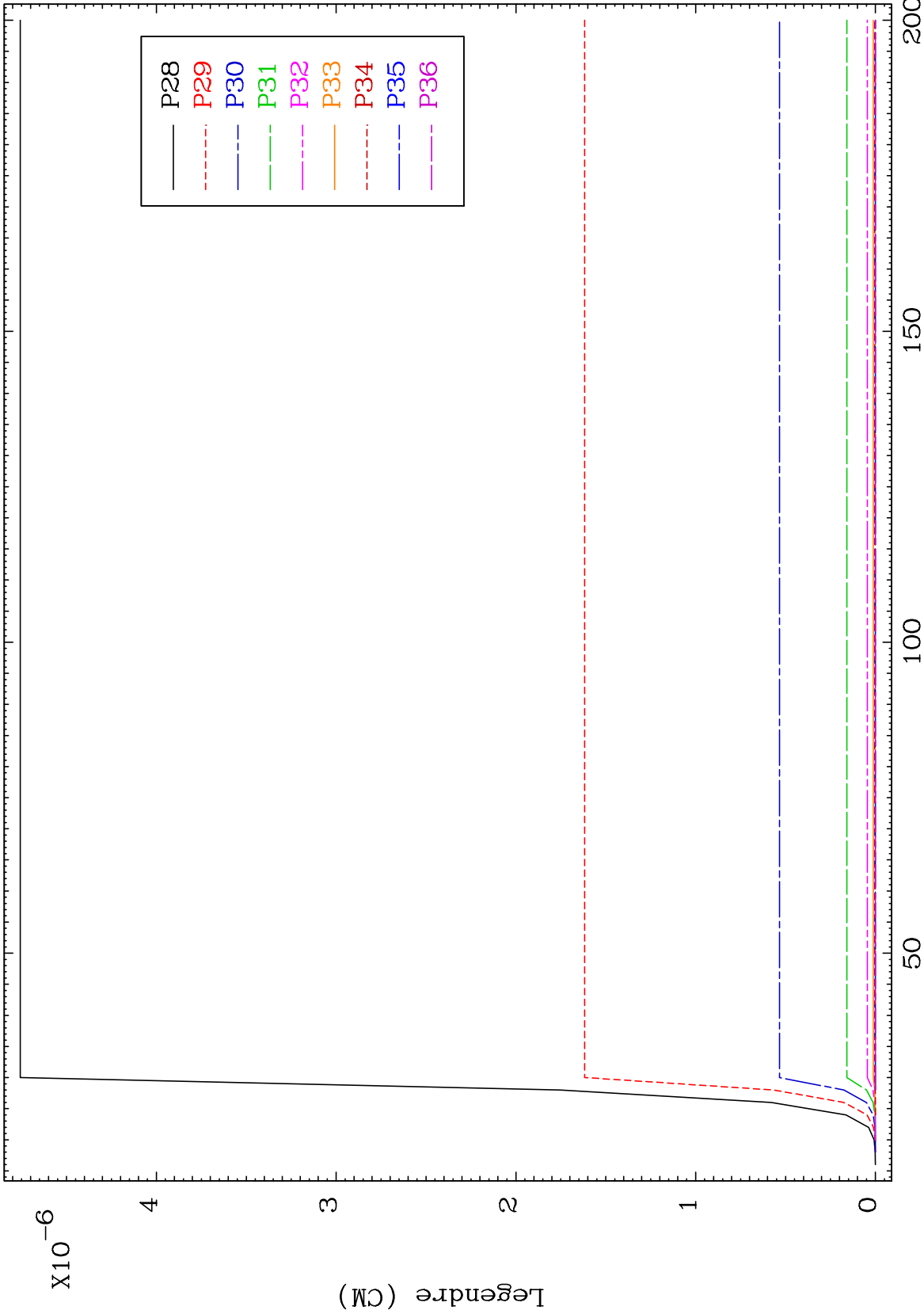
Incident Energy (MeV)

118

MAT 5843

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

58-Ce-142



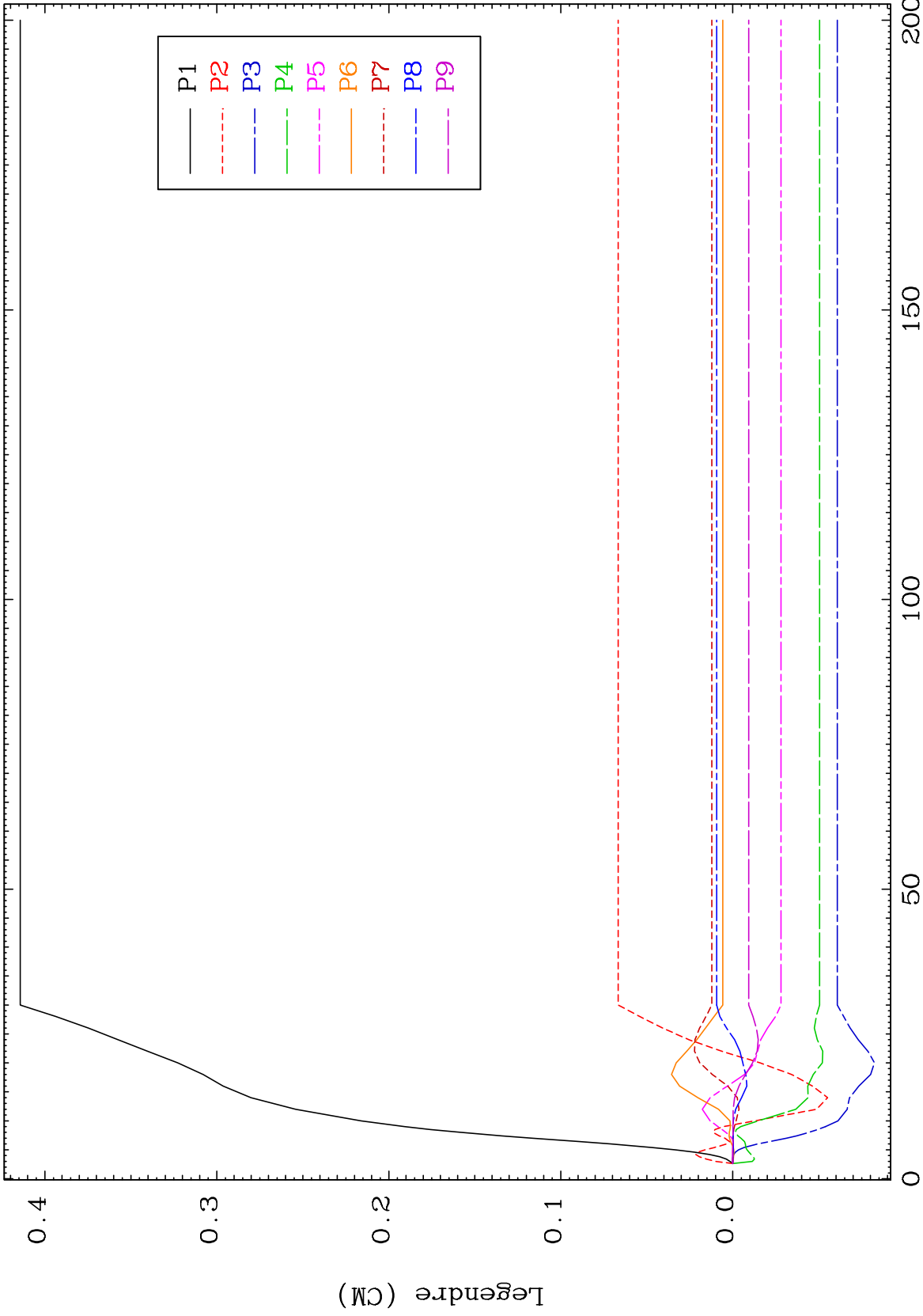
119

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

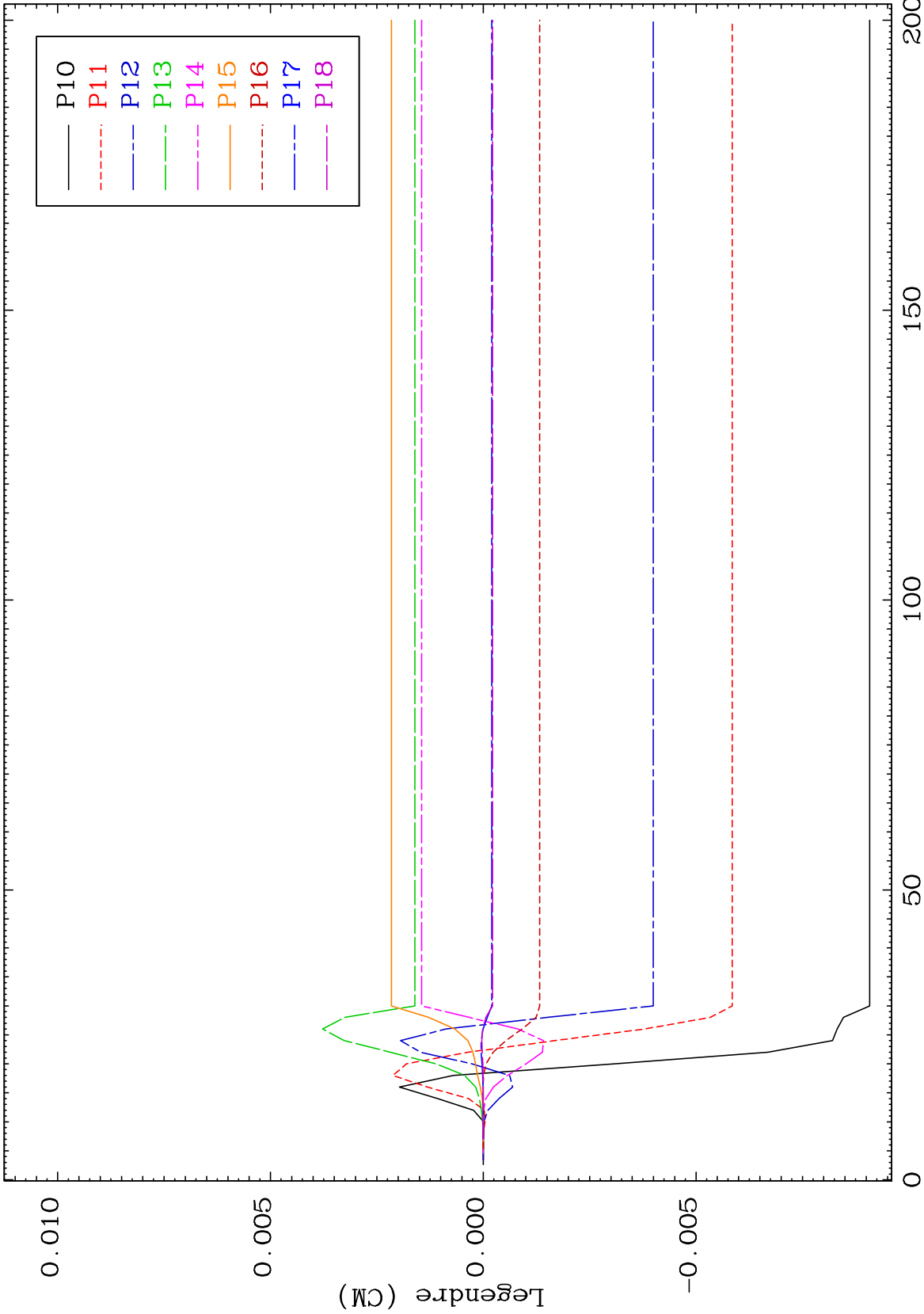
Incident Energy (MeV)

120

MAT 5843

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

58-Ce-142



121

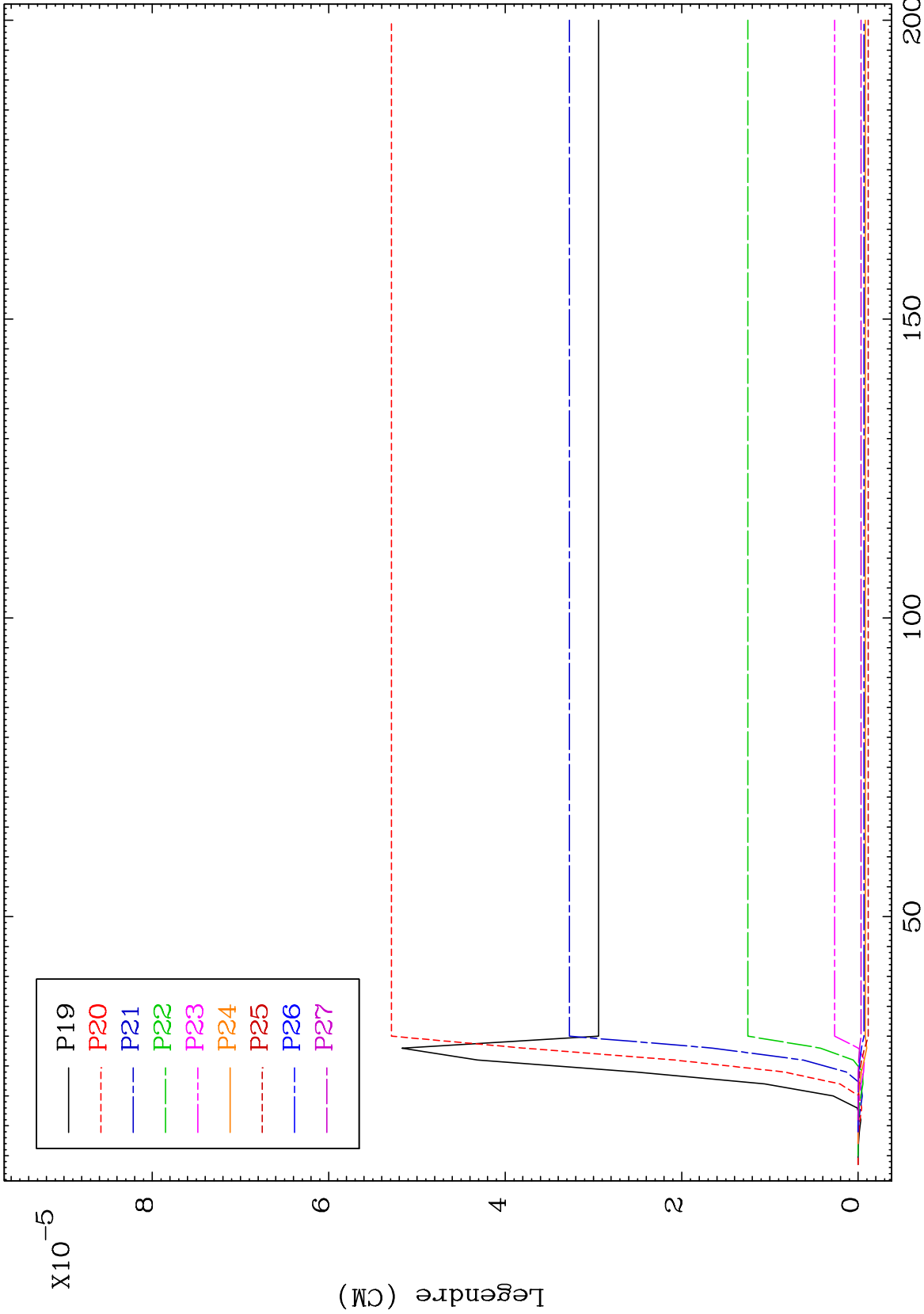
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



122

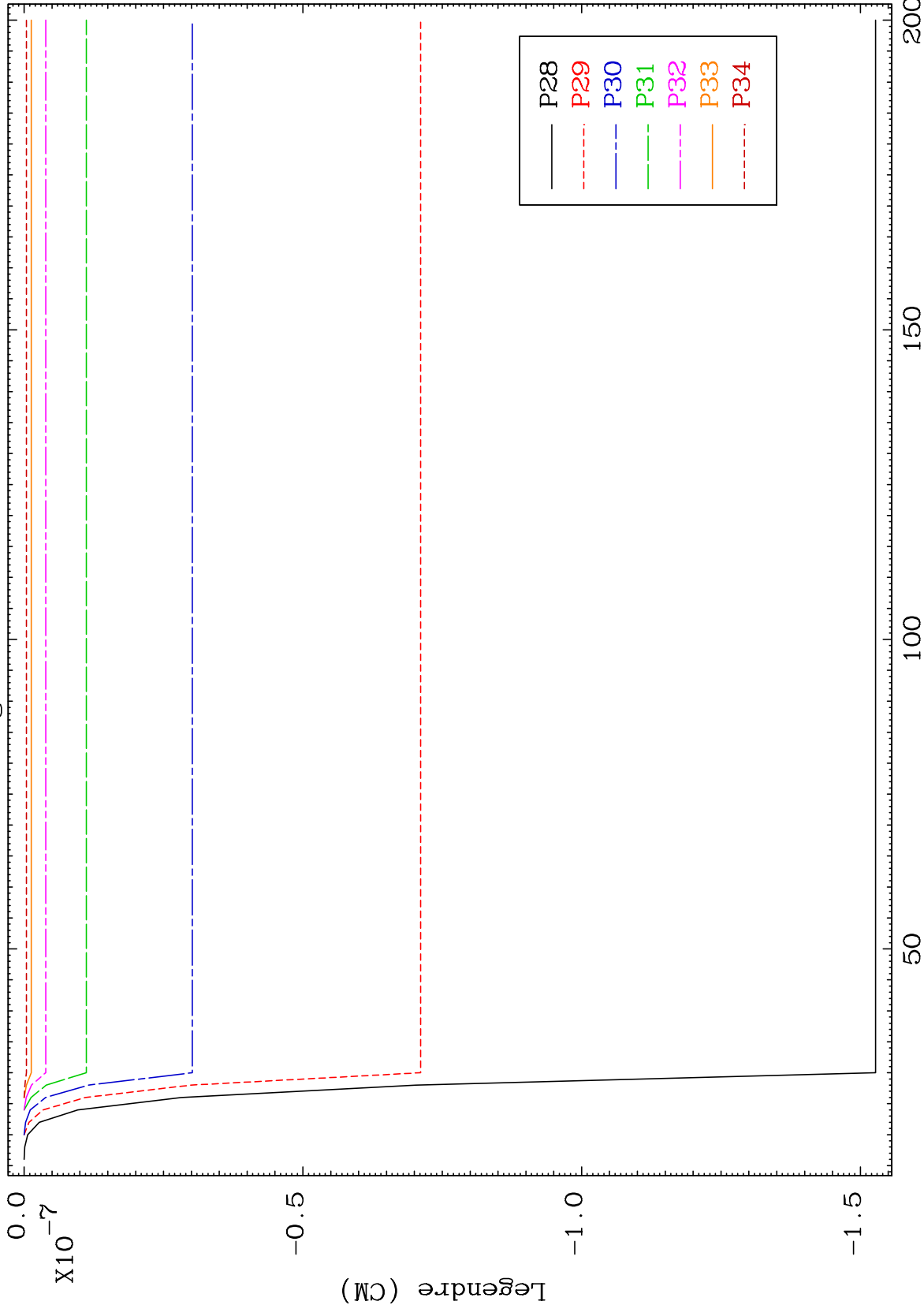
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

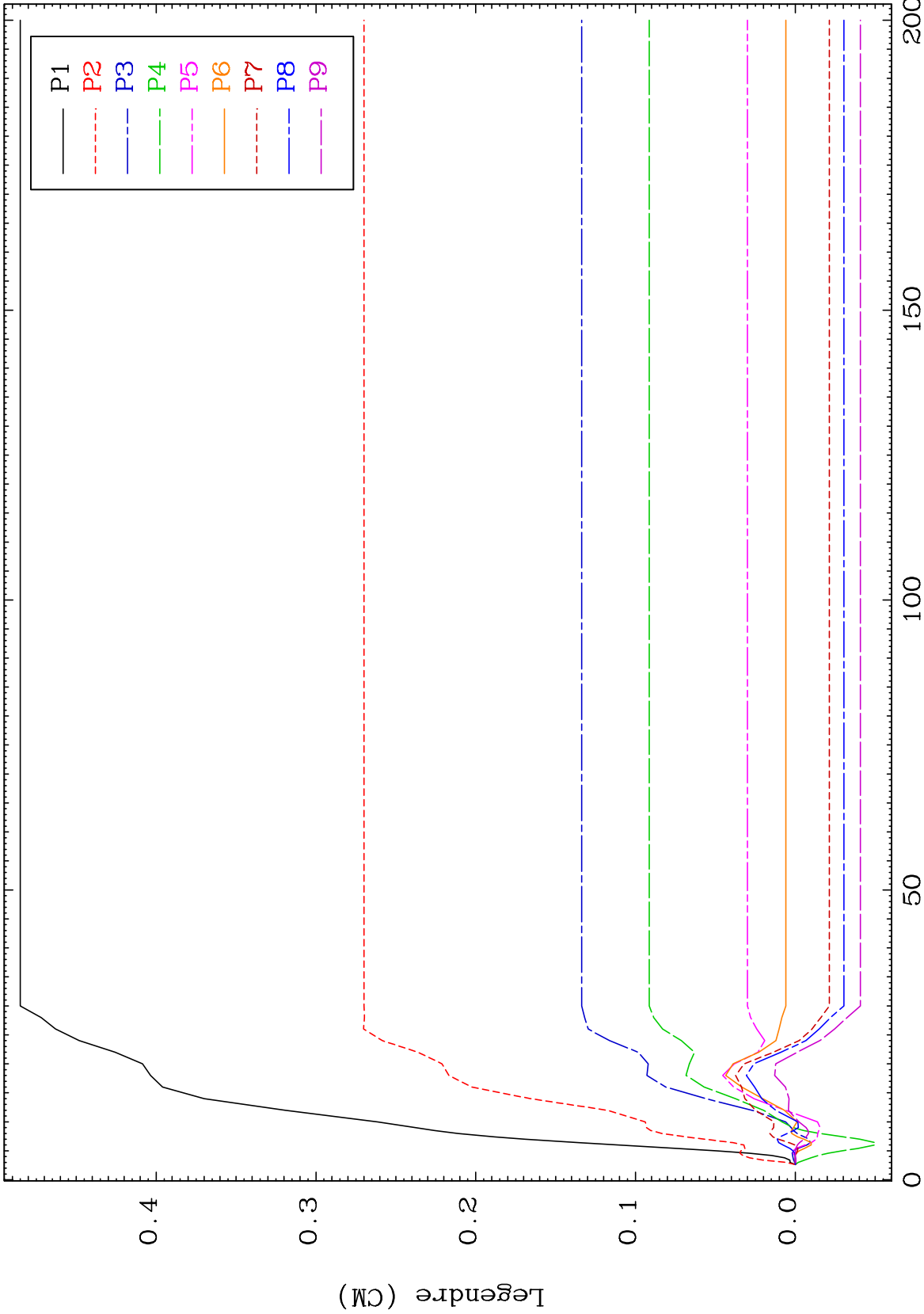
Incident Energy (MeV)

123

MAT 5843

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

58-Ce-142



124

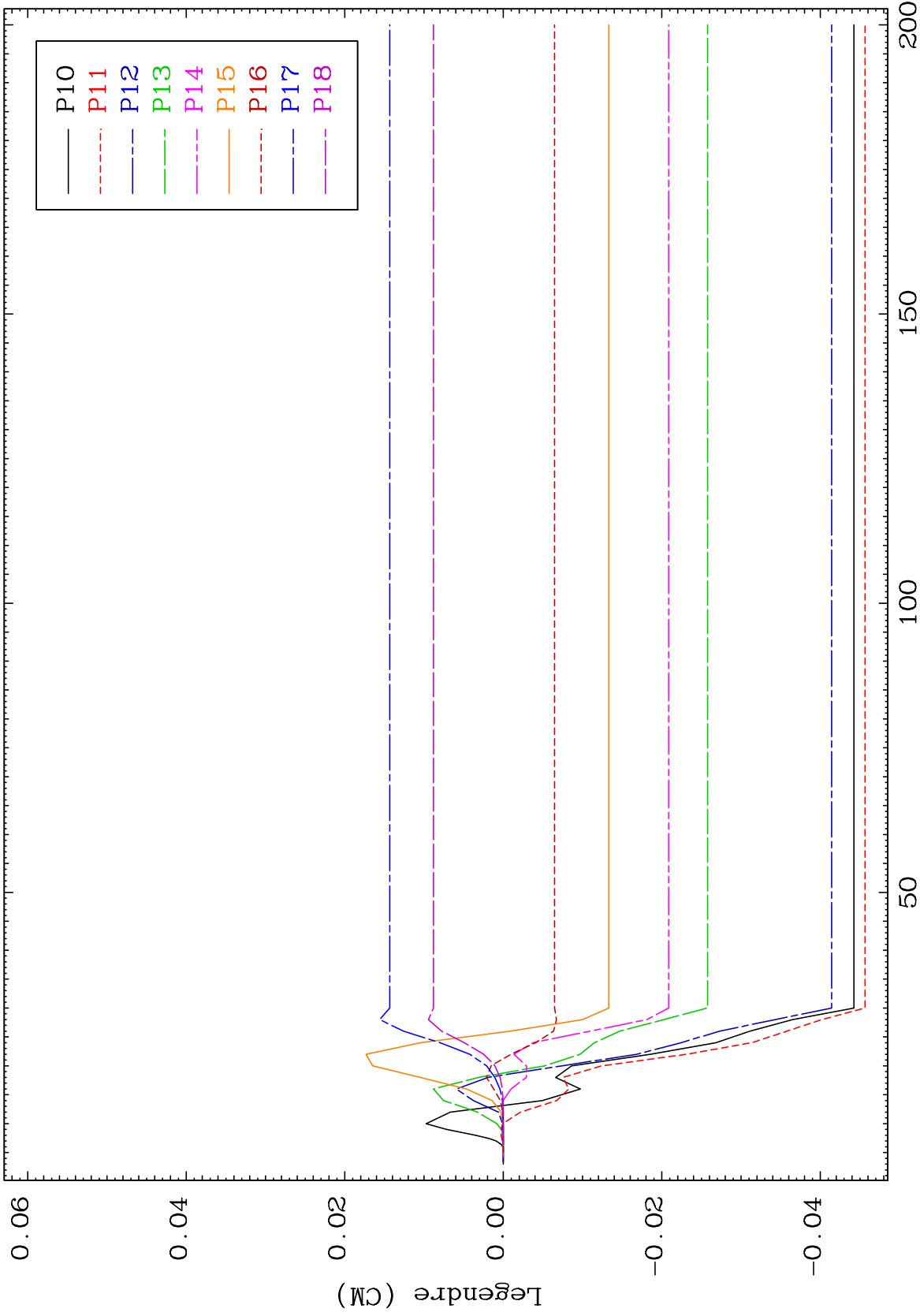
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



125

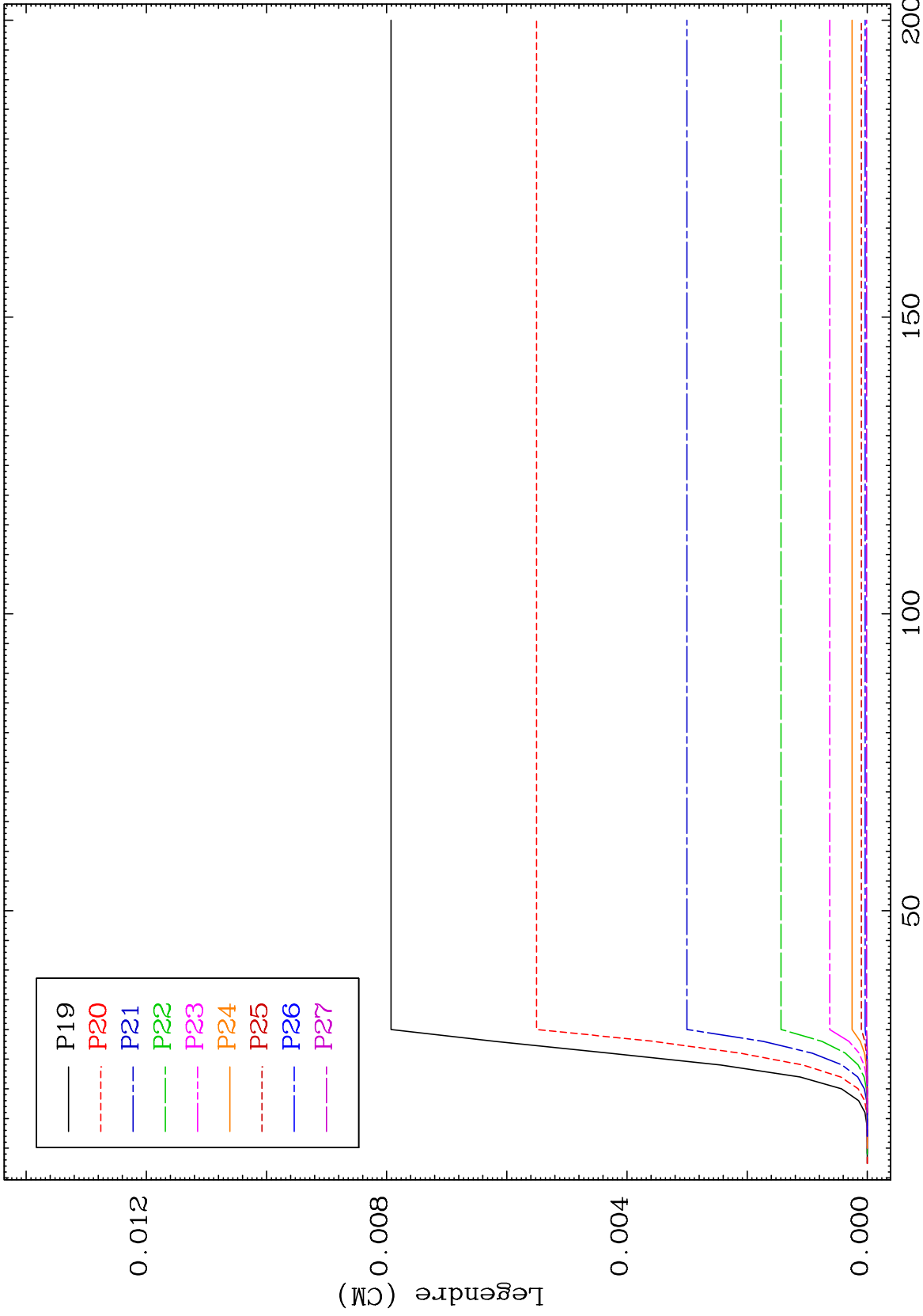
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



126

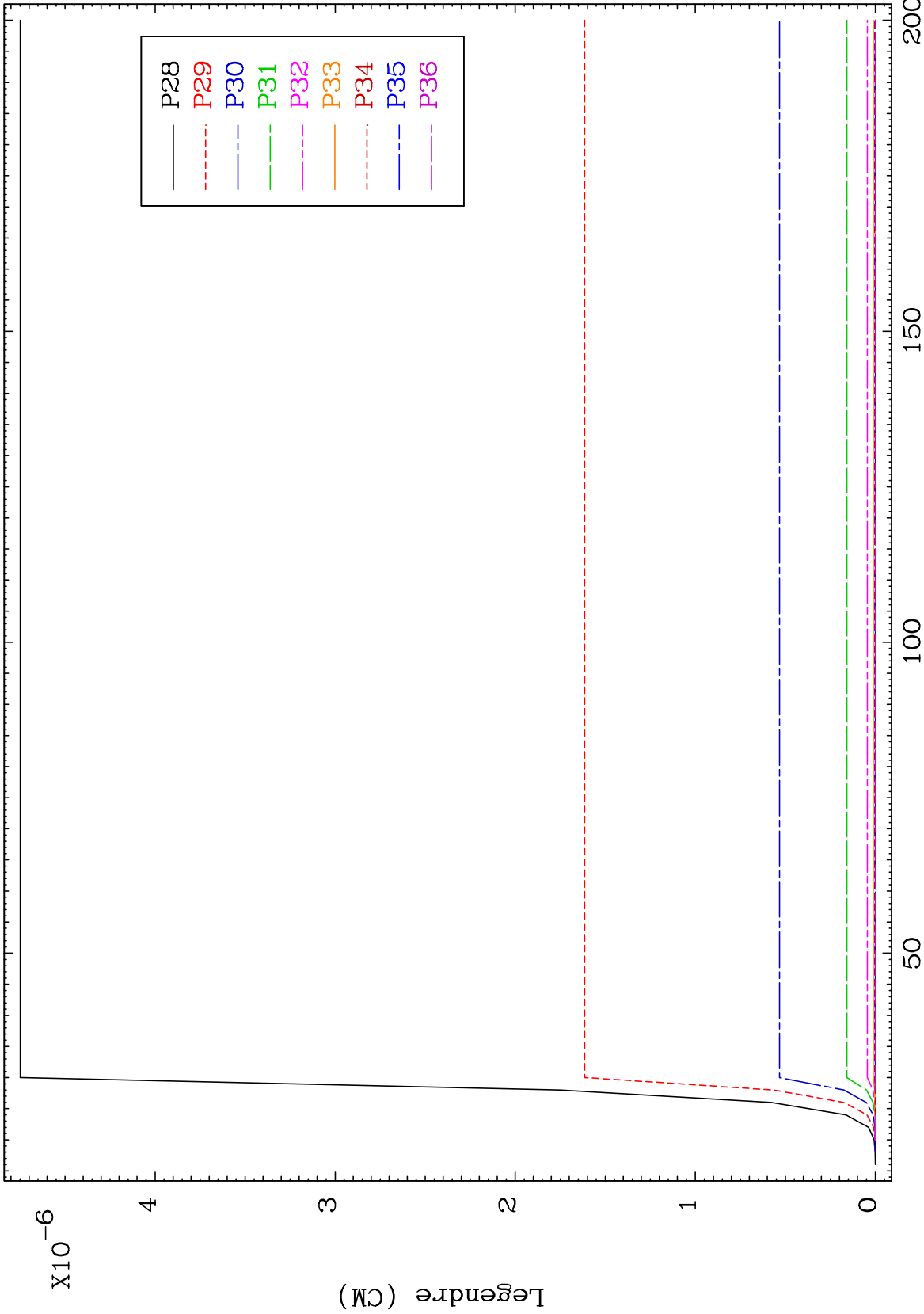
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



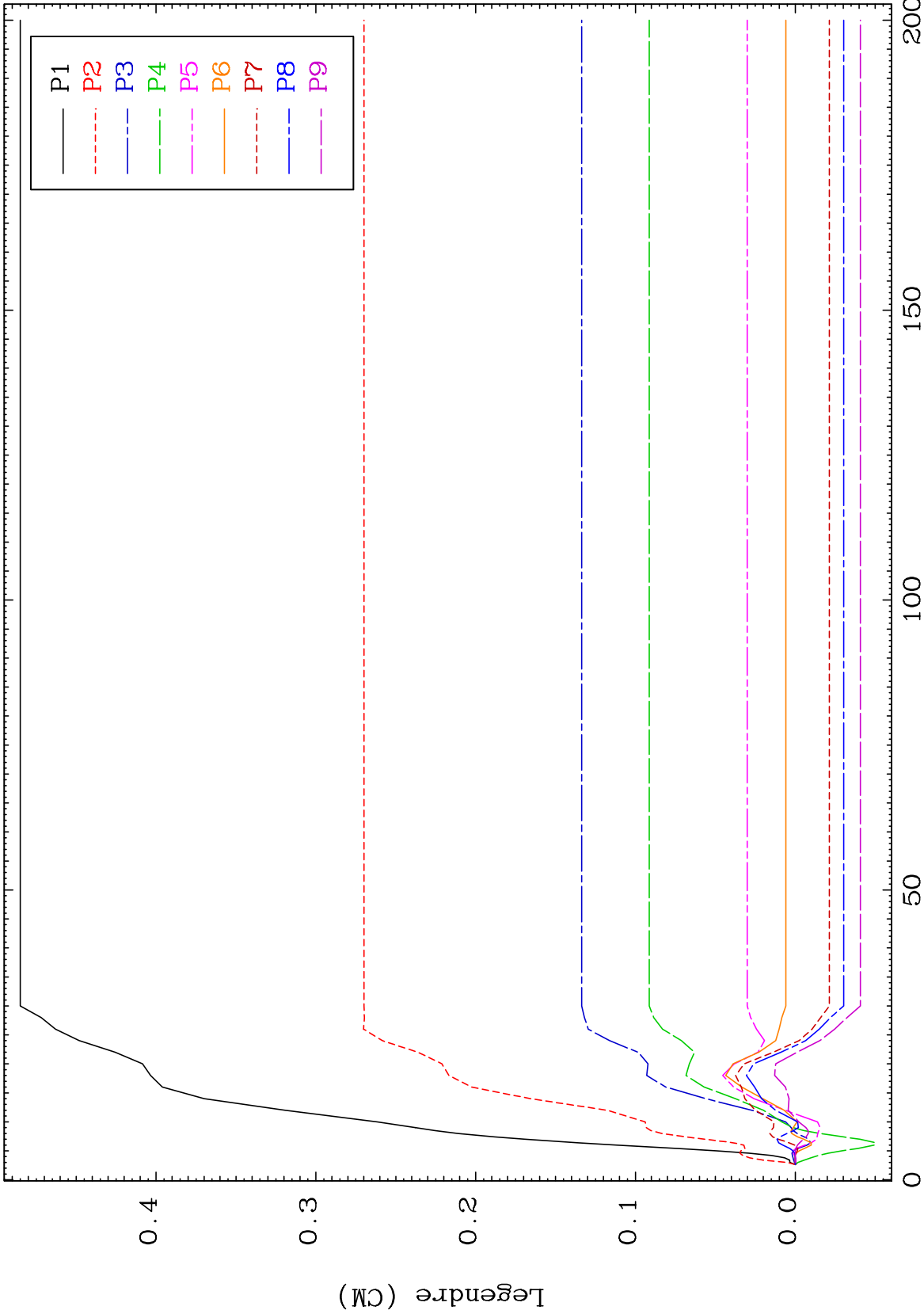
127

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

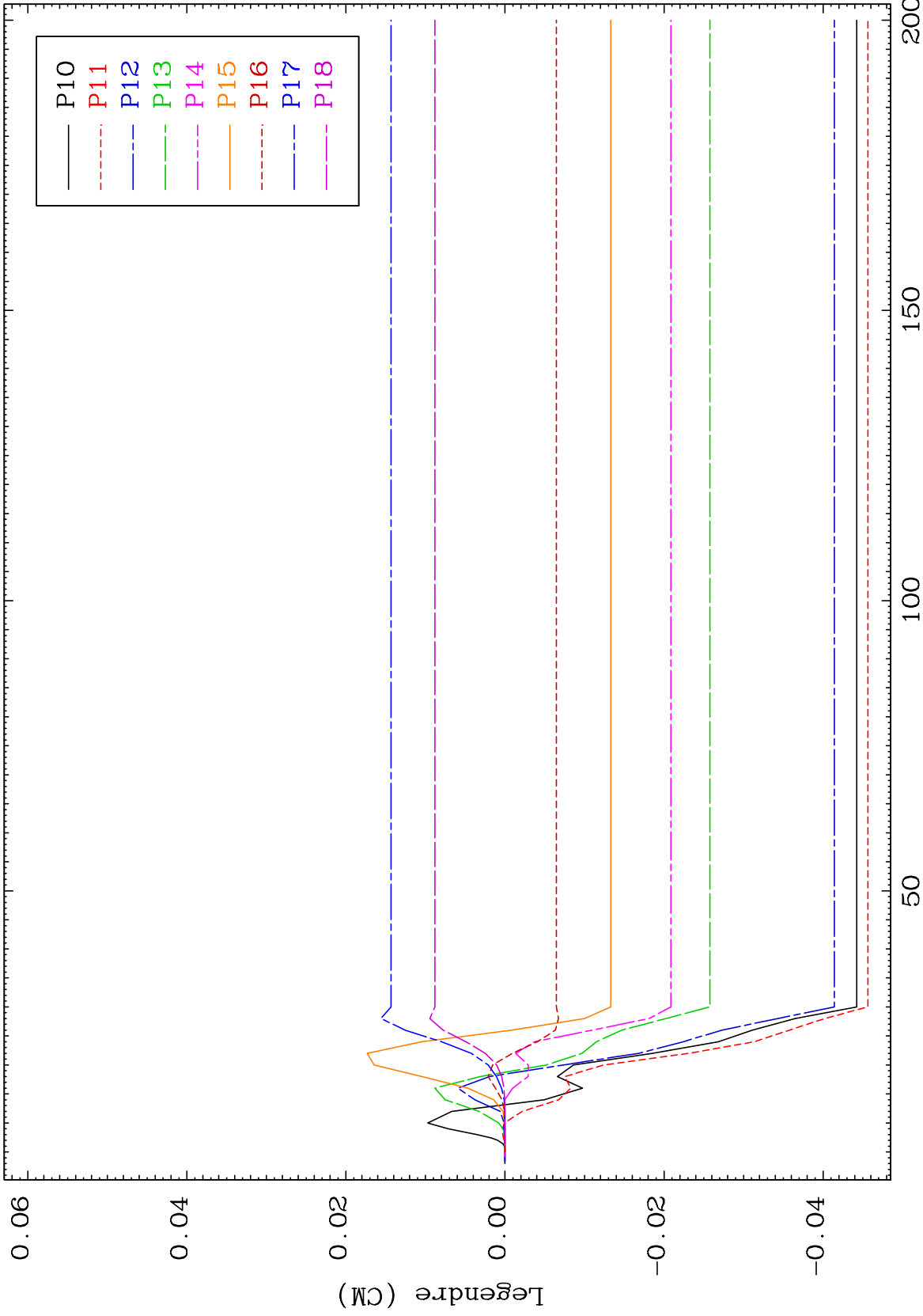
Incident Energy (MeV)

128

MAT 5843

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

58-Ce-142



129

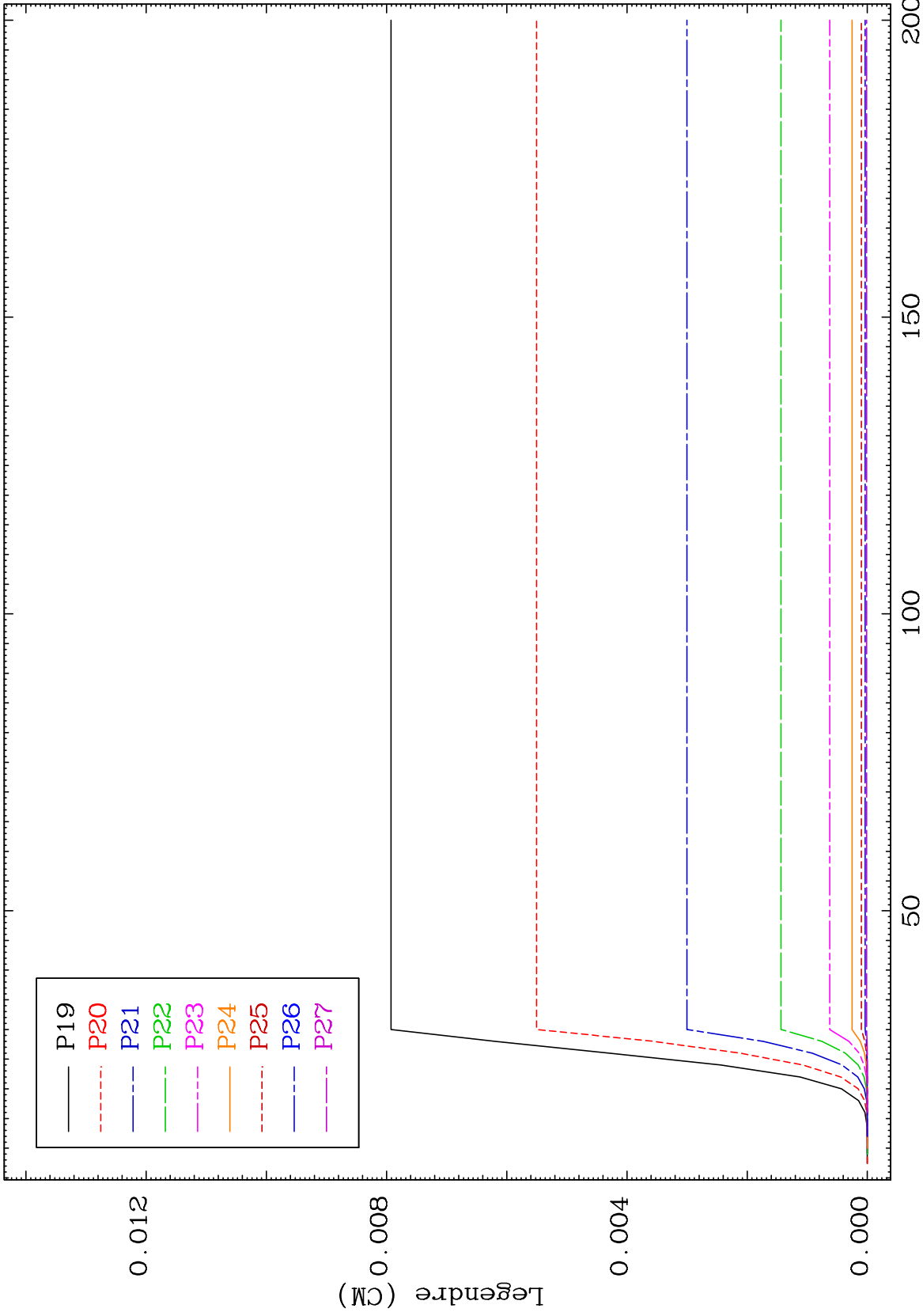
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



130

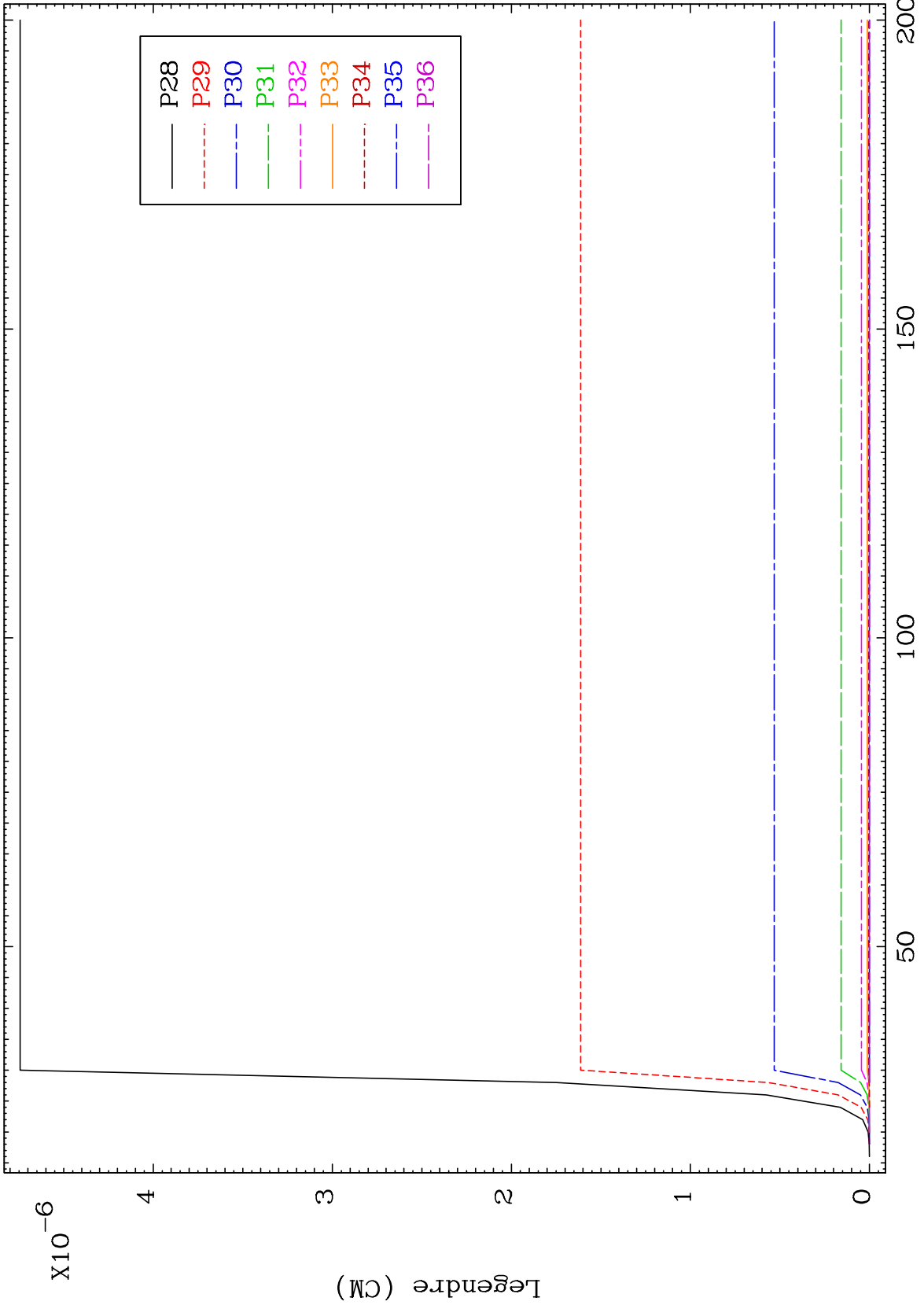
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



131

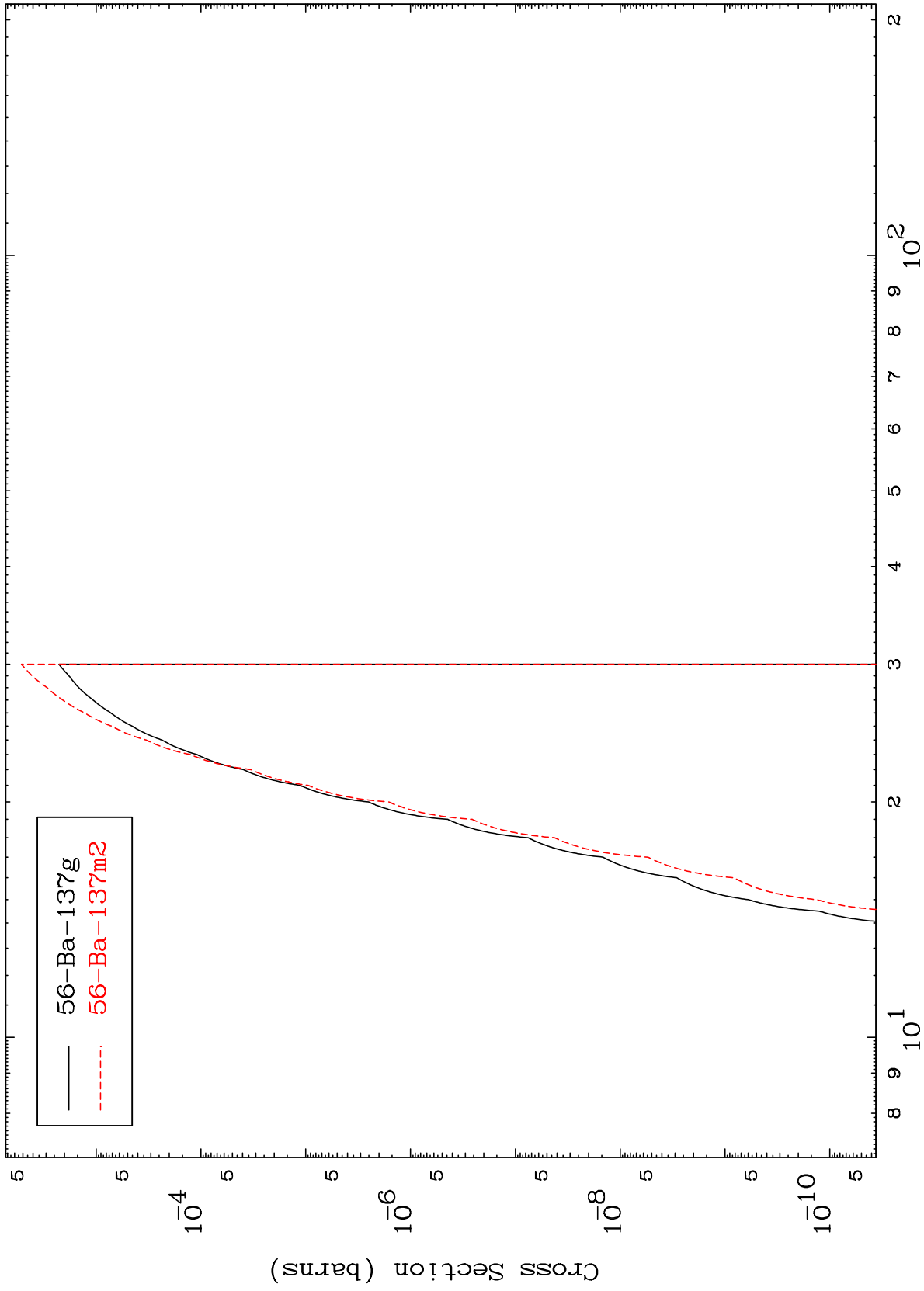
58-Ce-142

MAT 5843

(n,2n) α

58-Ce-142

Radionuclide Production Cross Section



132

Incident Energy (MeV)

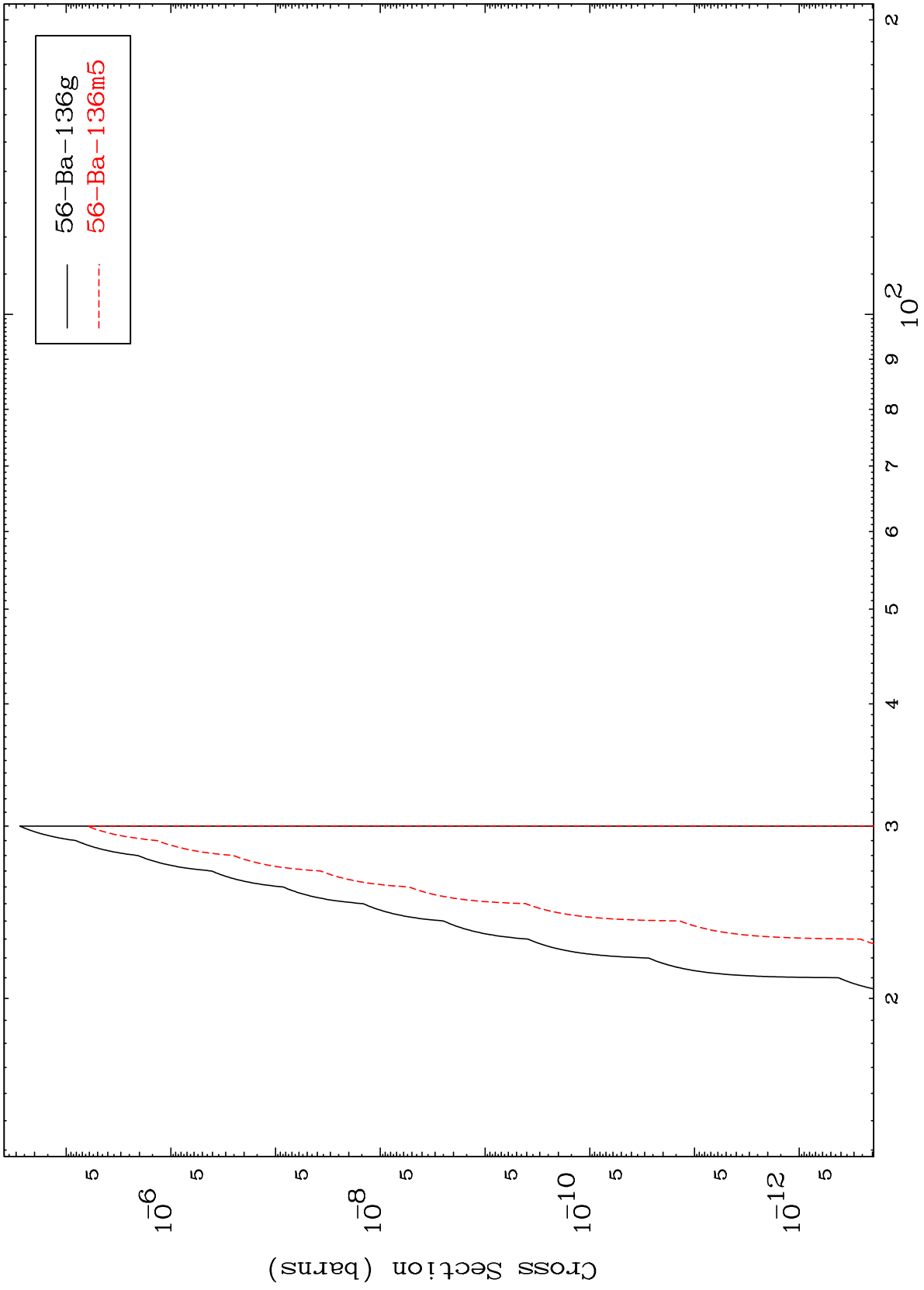
58-Ce-142

MAT 5843

(n,3n) α

58-Ce-142

Radionuclide Production Cross Section



133

Incident Energy (MeV)

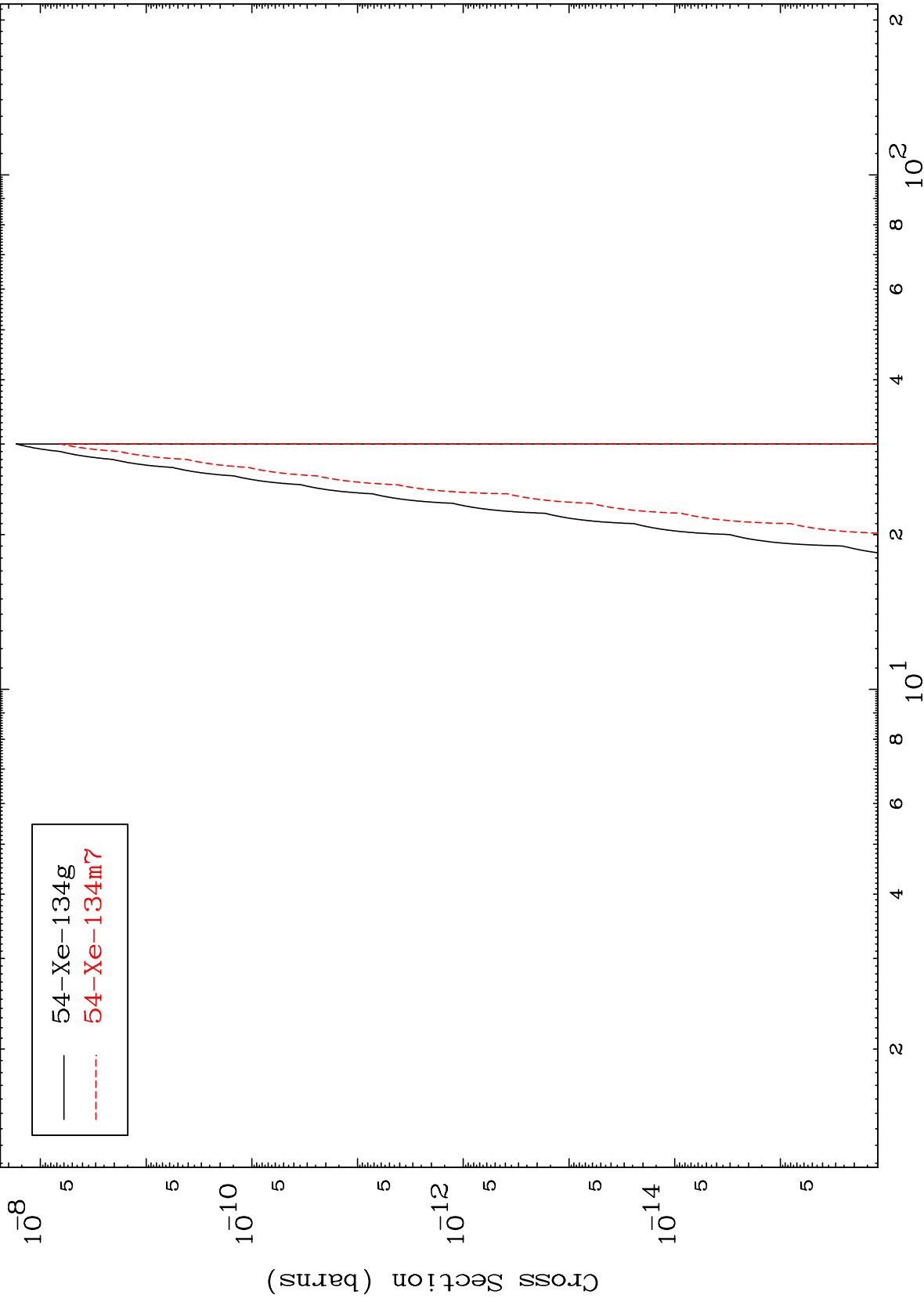
58-Ce-142

MAT 5843

(n,n') 2 α

58-Ce-142

Radionuclide Production Cross Section



134

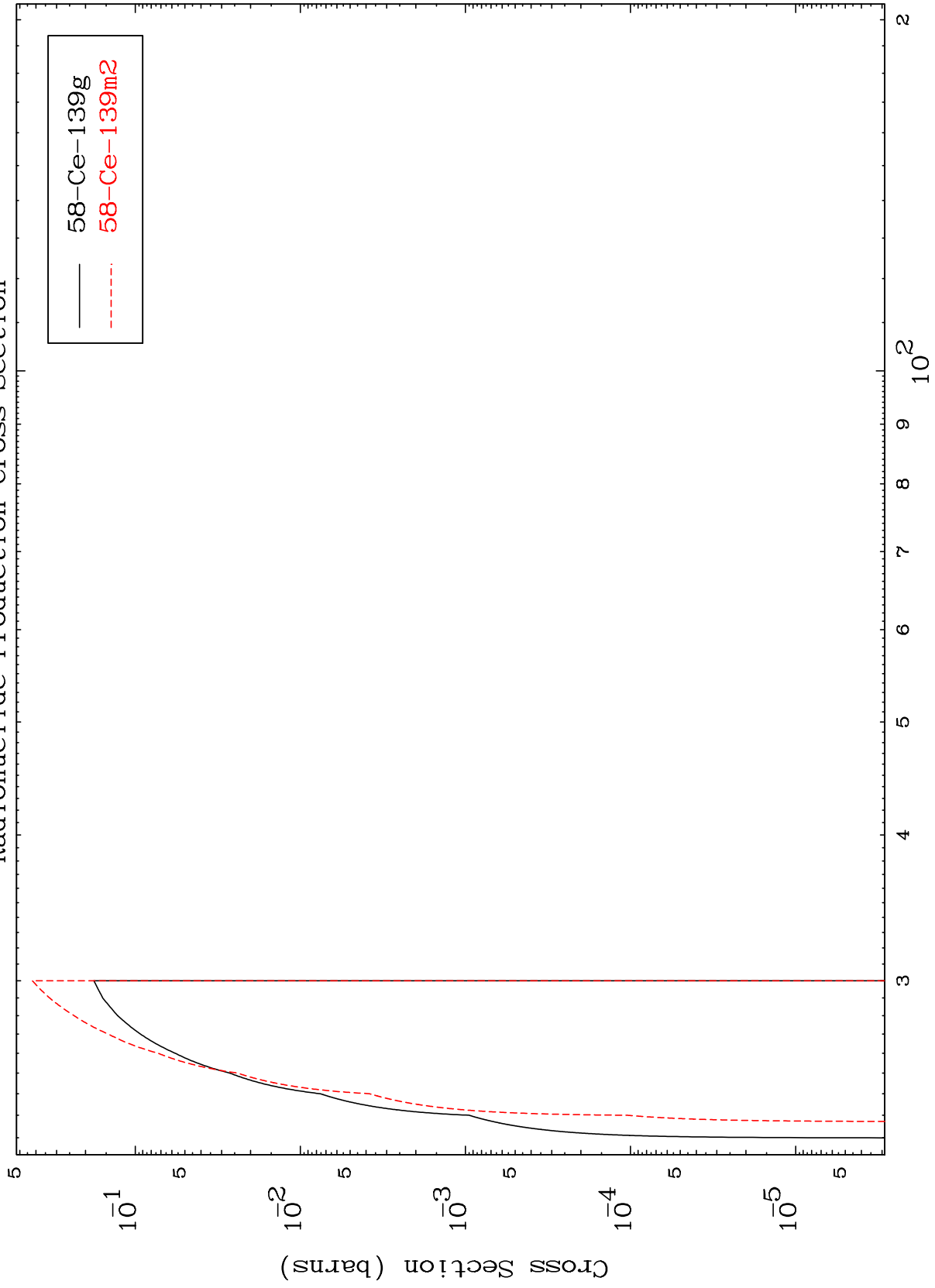
Incident Energy (MeV)

58-Ce-142

MAT 5843

58-Ce-142

(n,4n)
Radionuclide Production Cross Section



135

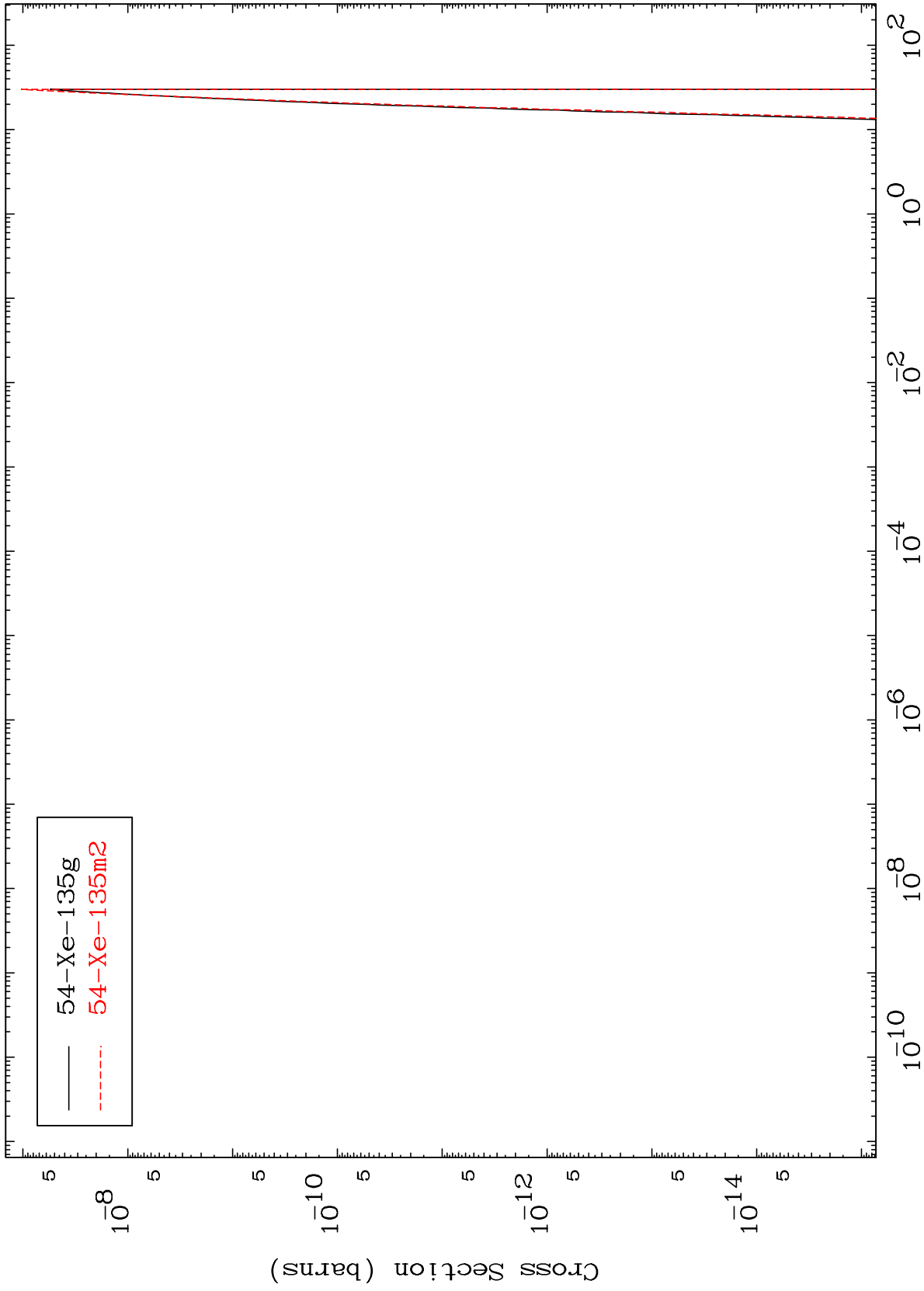
58-Ce-142

MAT 5843

(n,2α)

58-Ce-142

Radionuclide Production Cross Section



136

Incident Energy (MeV)

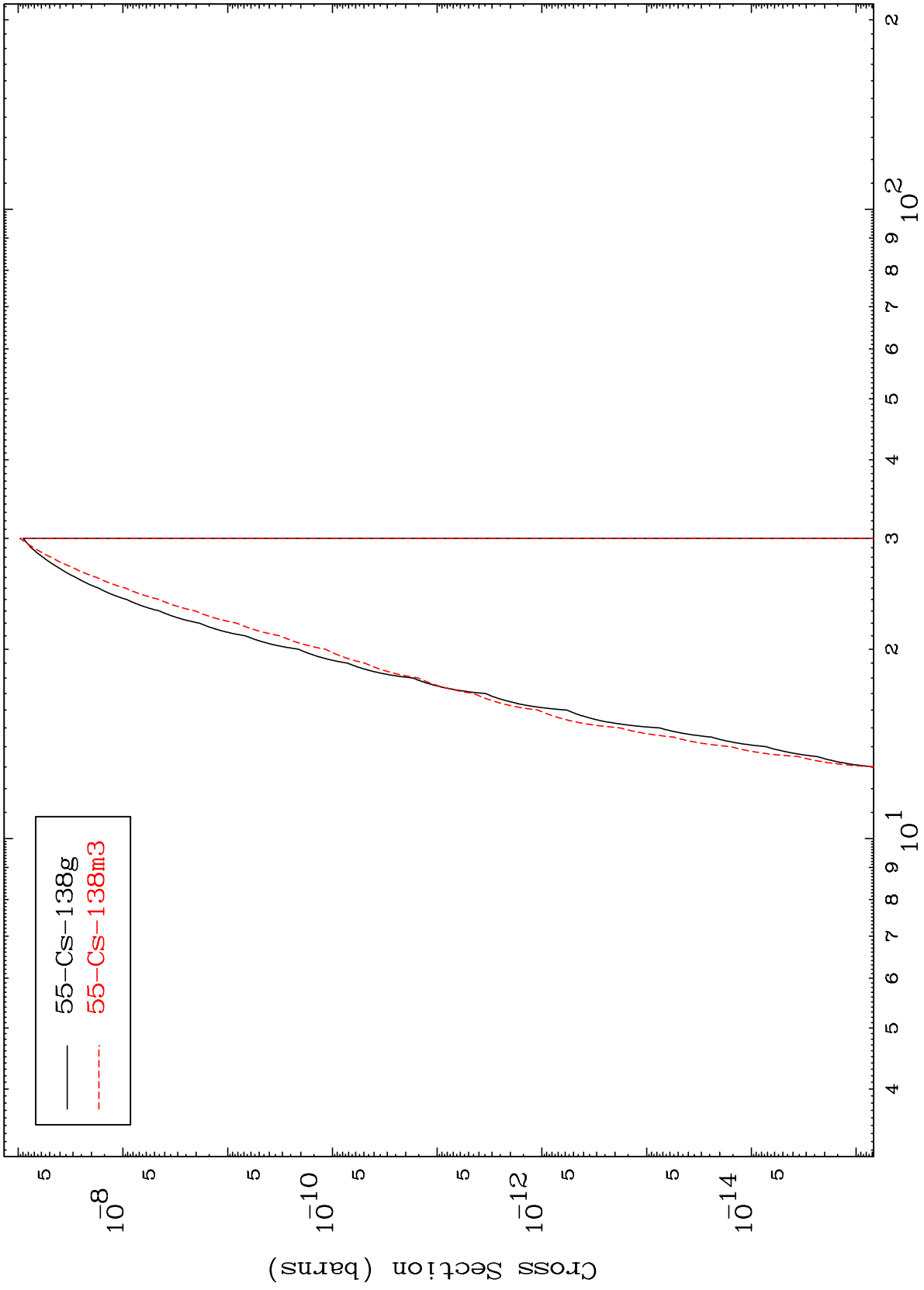
58-Ce-142

MAT 5843

(n,p) α

58-Ce-142

Radionuclide Production Cross Section



137

Incident Energy (MeV)

58-Ce-142