

Program EVALPLOT
(Version 2018-1)

by

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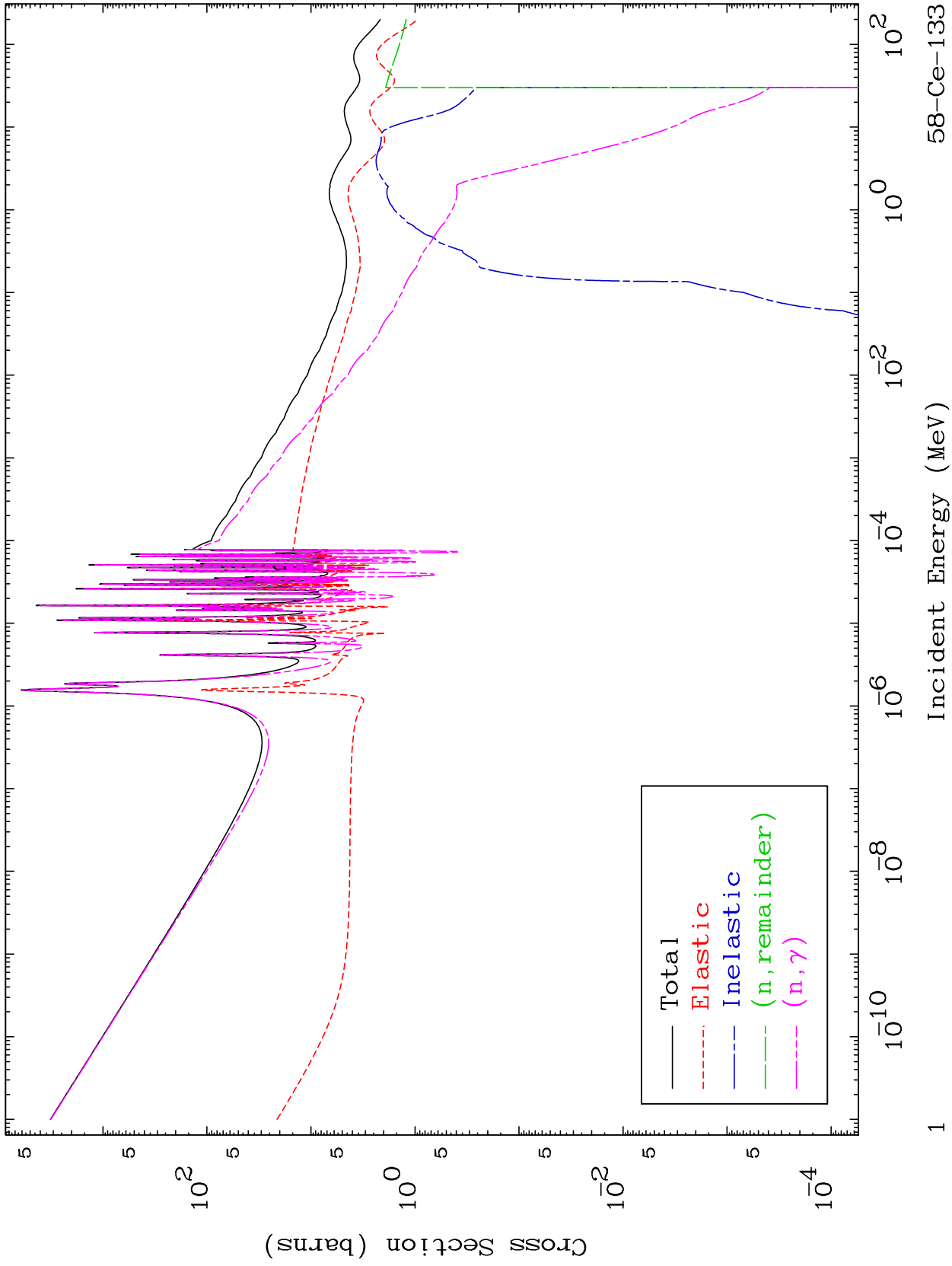
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5816

Major
293 Kelvin Cross Sections

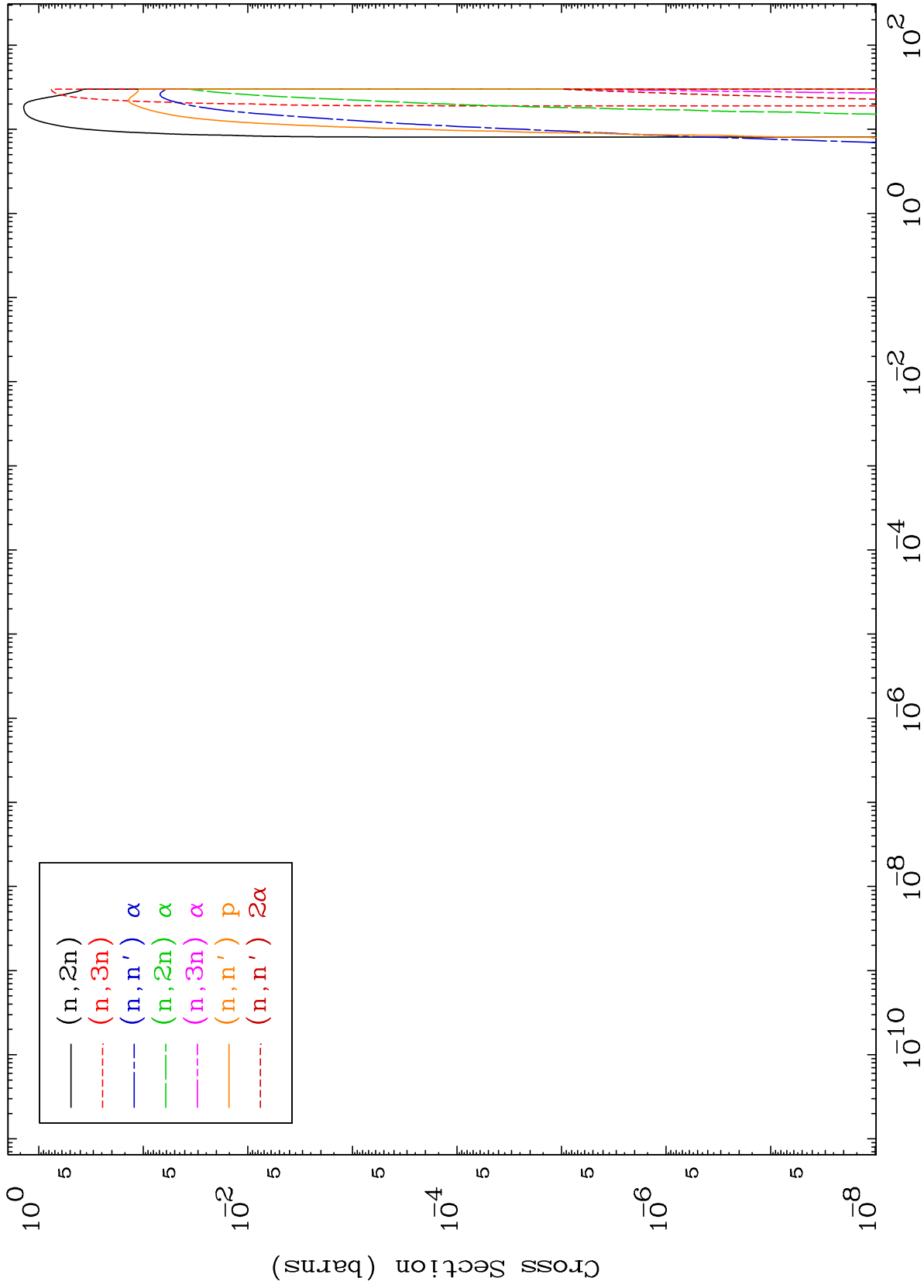
58-Ce-133



MAT 5816

Neutron Production
293 Kelvin Cross Sections

58-Ce-133



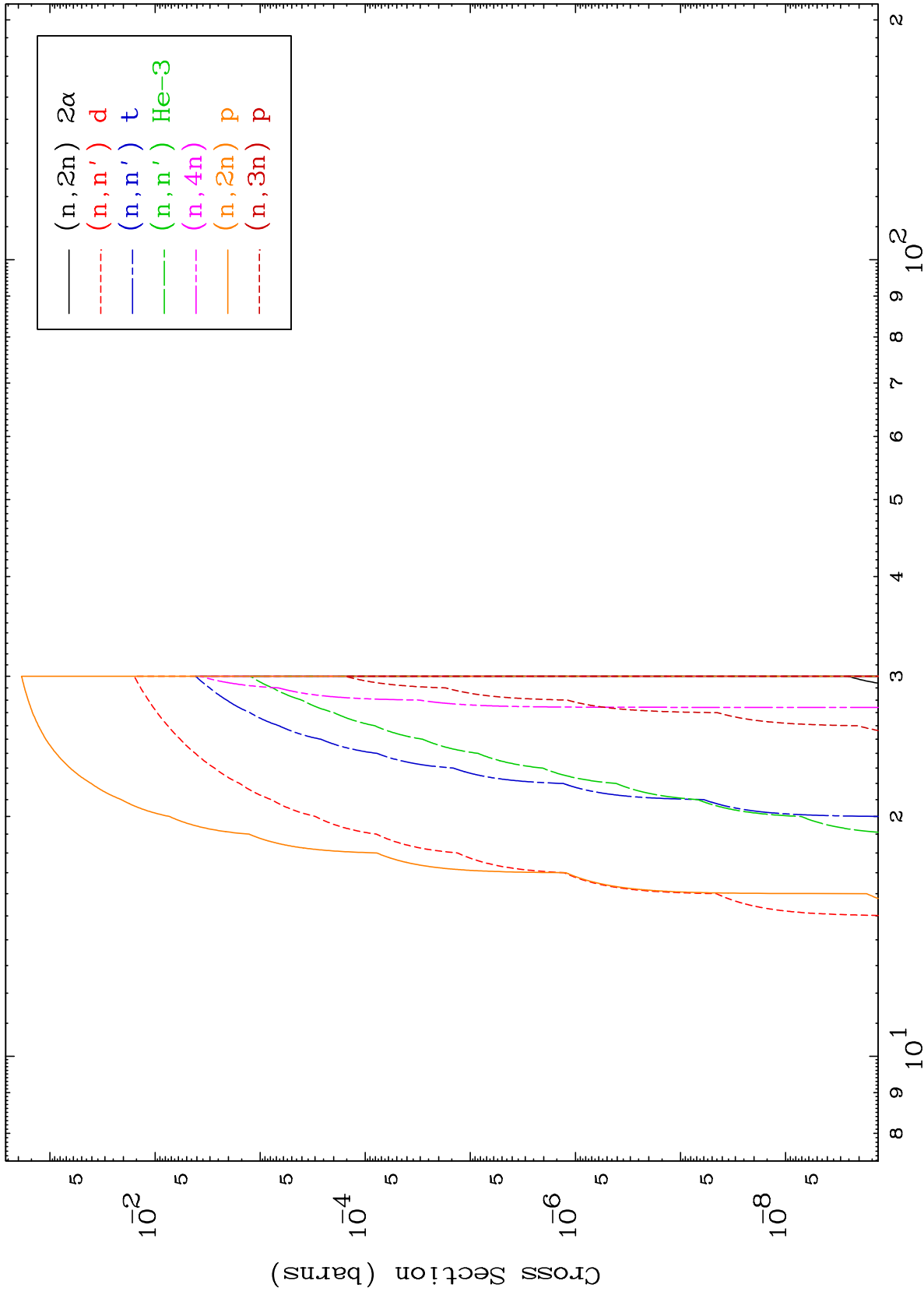
2

58-Ce-133

MAT 5816

Neutron Production
293 Kelvin Cross Sections

58-Ce-133



3

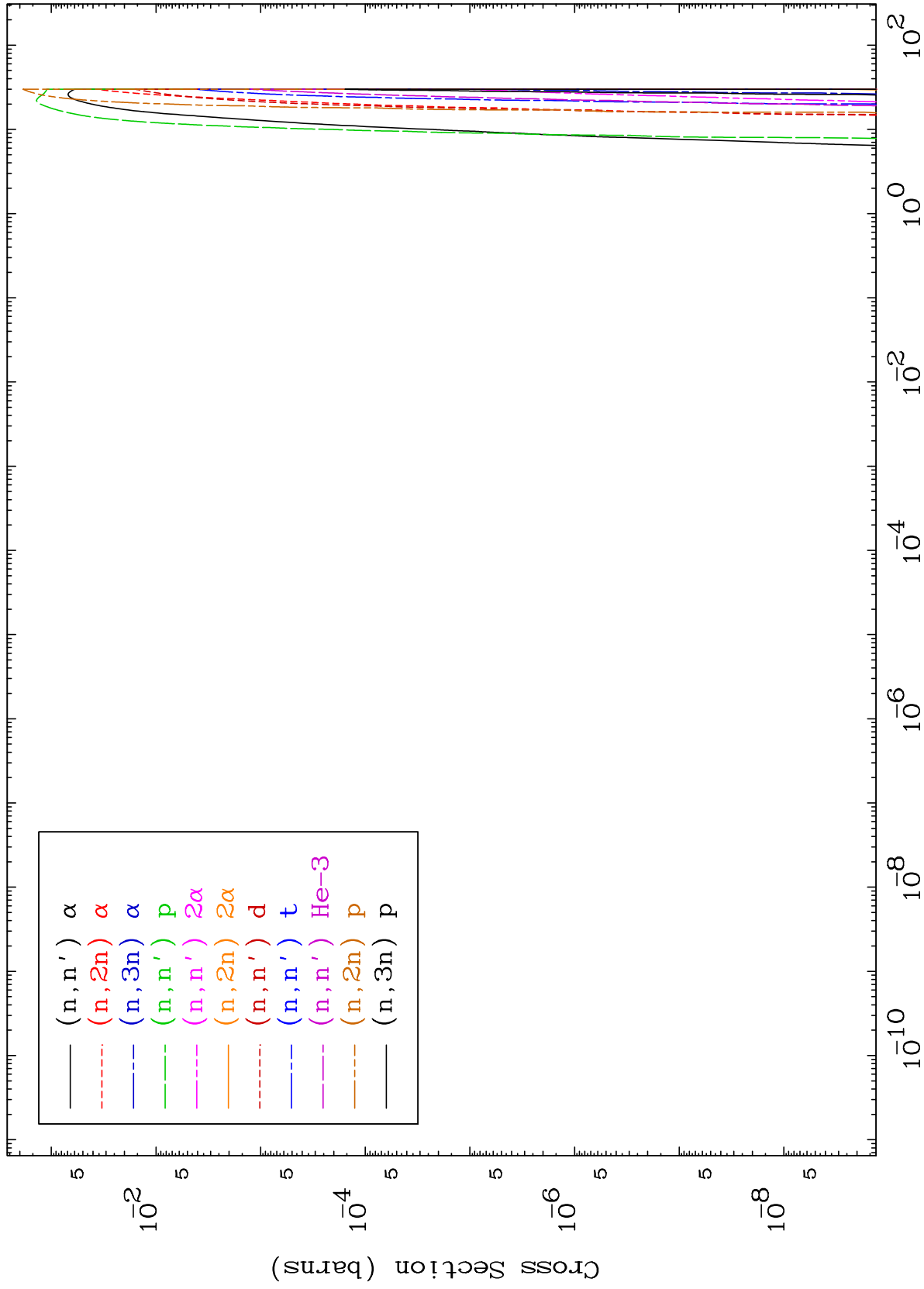
Incident Energy (MeV)

58-Ce-133

MAT 5816

Charged Particle
293 Kelvin Cross Sections

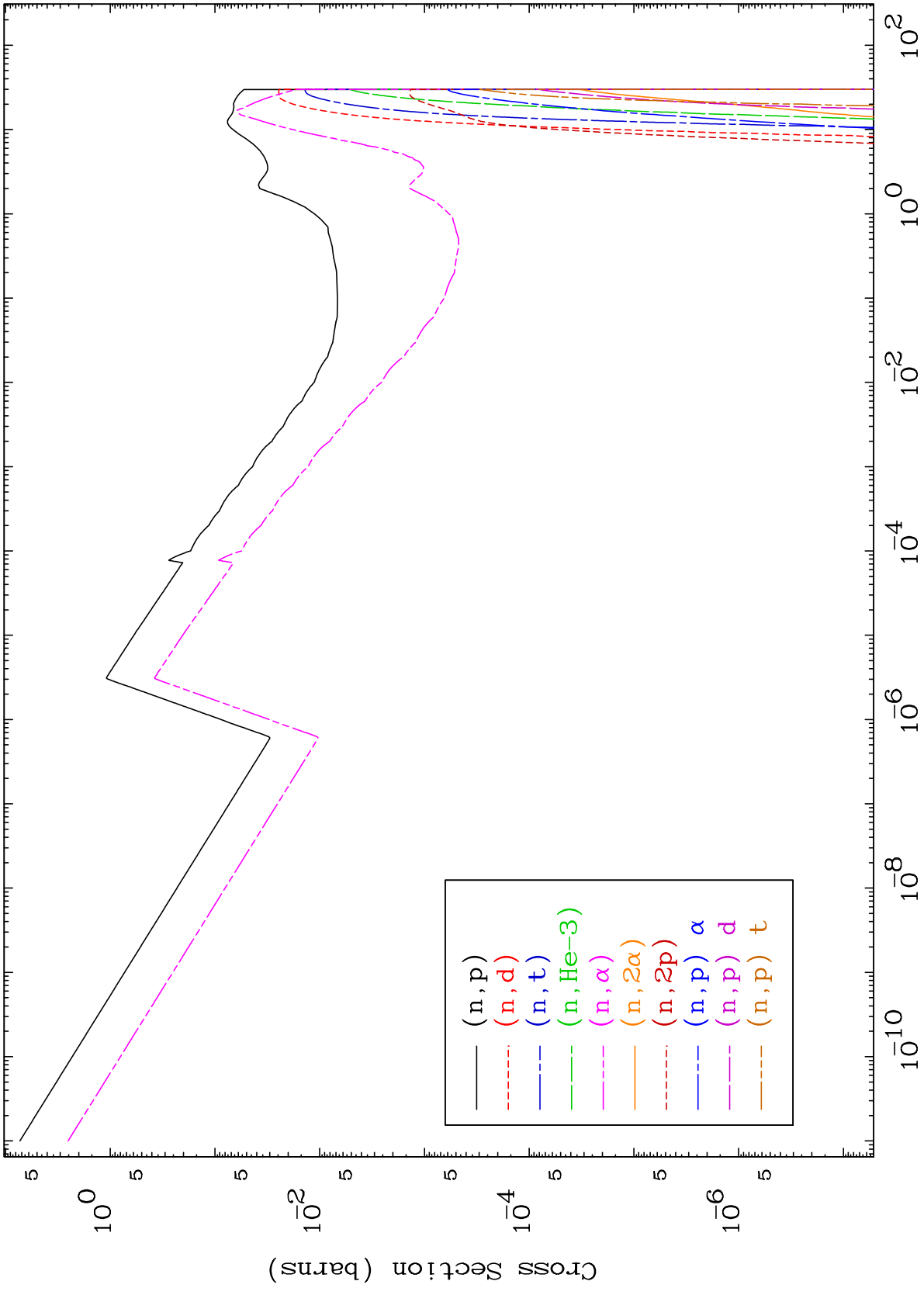
58-Ce-133



MAT 5816

Charged Particle
293 Kelvin Cross Sections

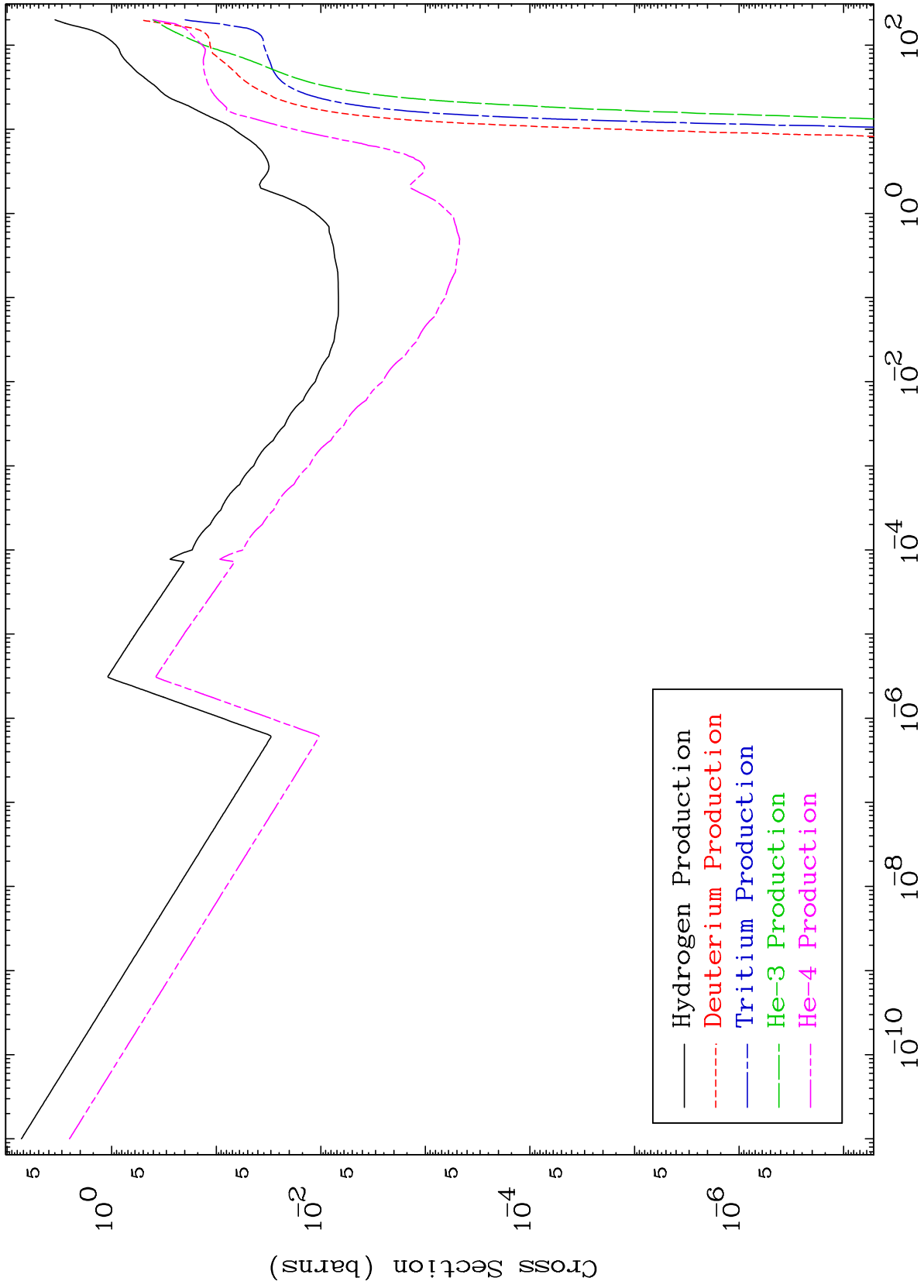
58-Ce-133



MAT 5816

Particle Production
293 Kelvin Cross Sections

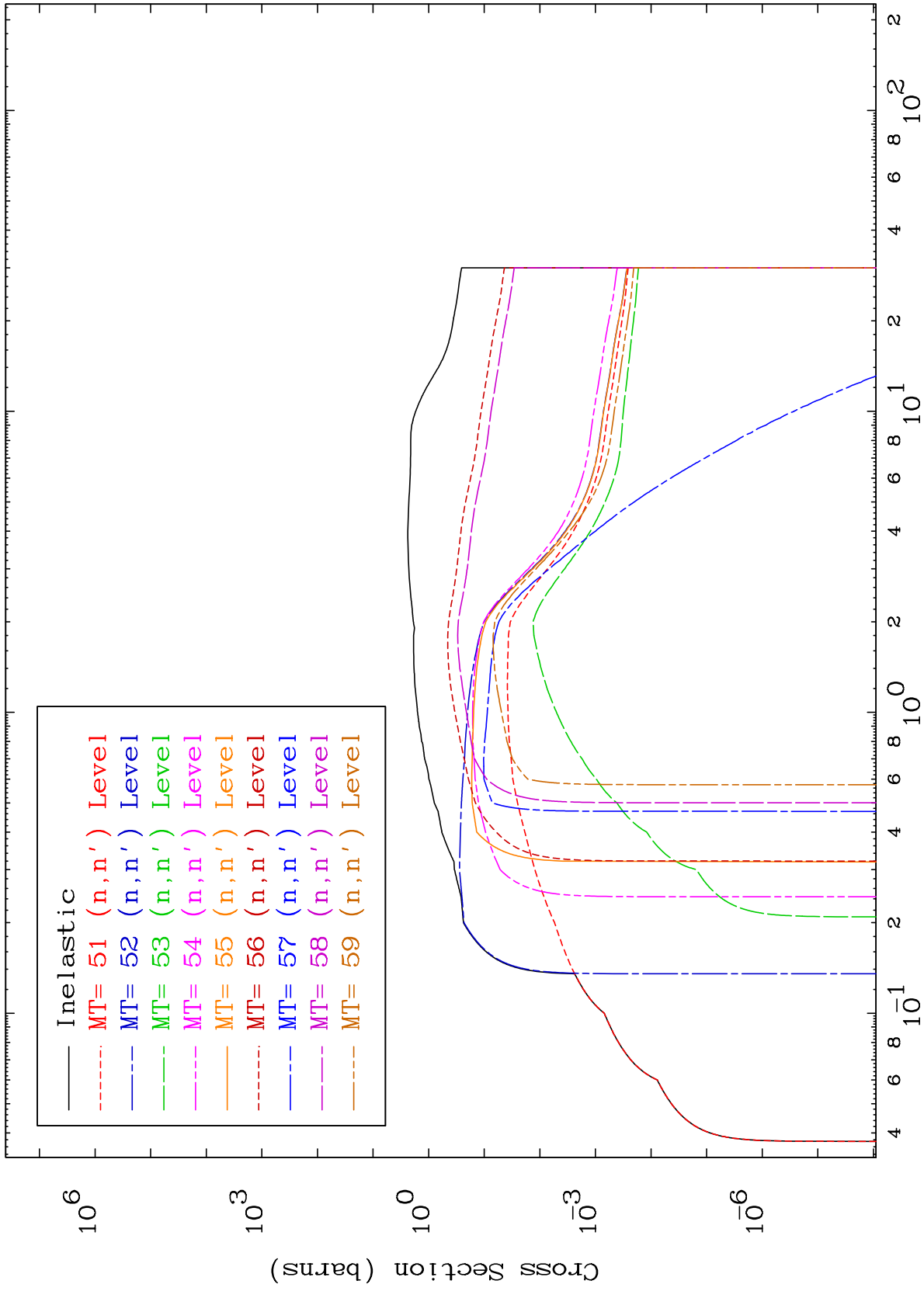
58-Ce-133



MAT 5816

(n,n') Level
293 Kelvin Cross Sections

58-Ce-133

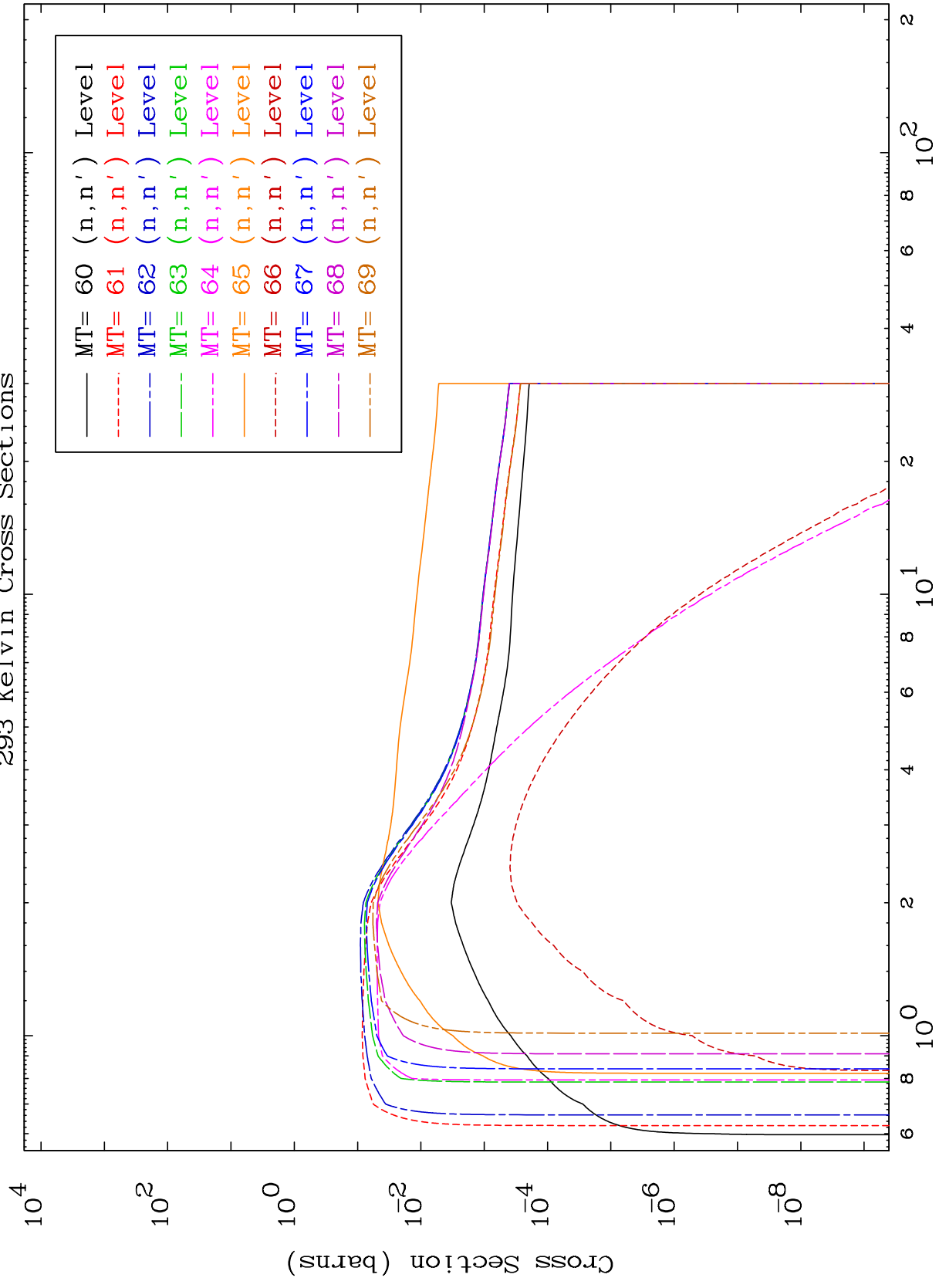


MAT 5816

(n,n') Level

58-Ce-133

293 Kelvin Cross Sections

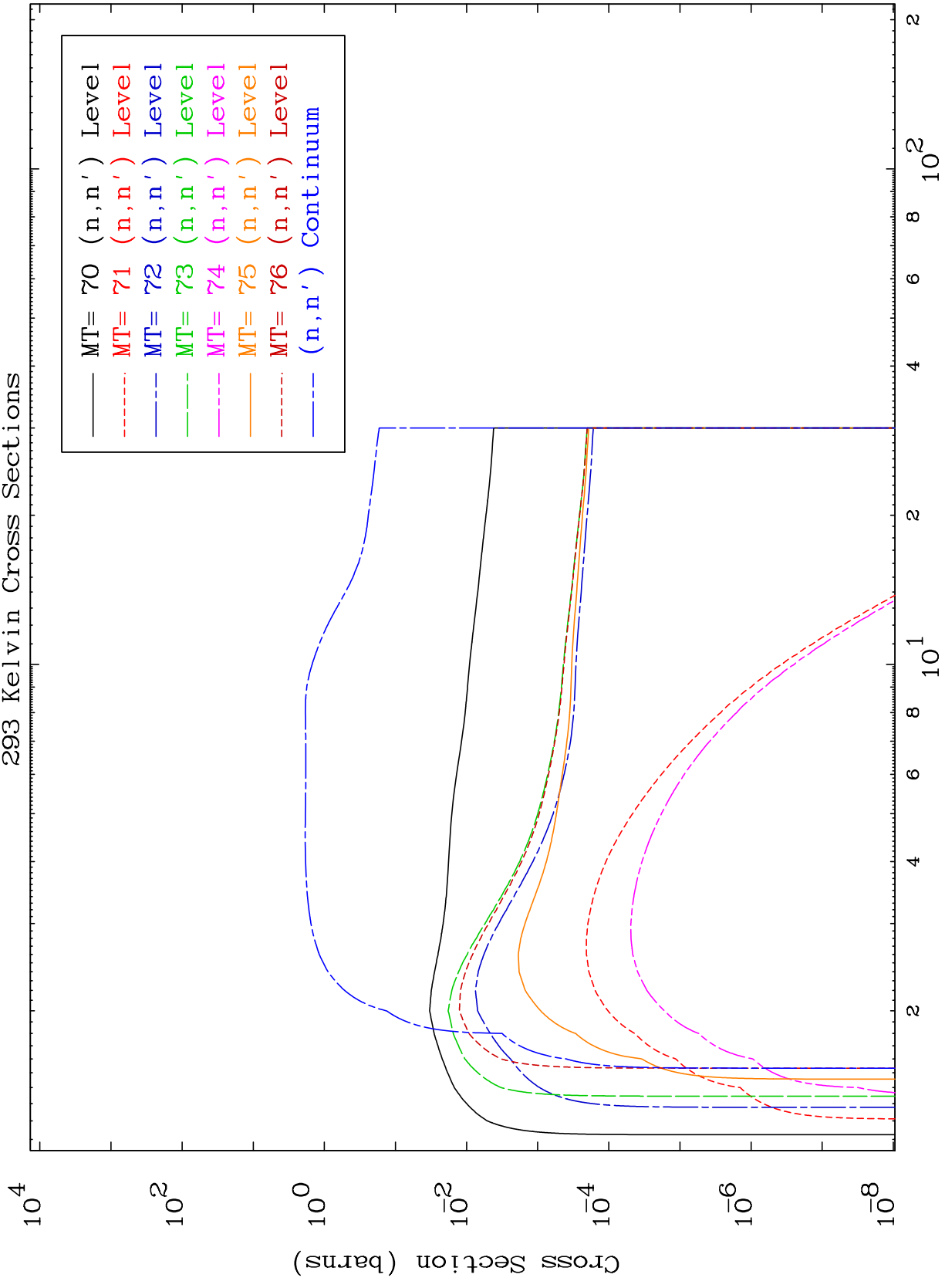


8

Incident Energy (MeV)

58-Ce-133

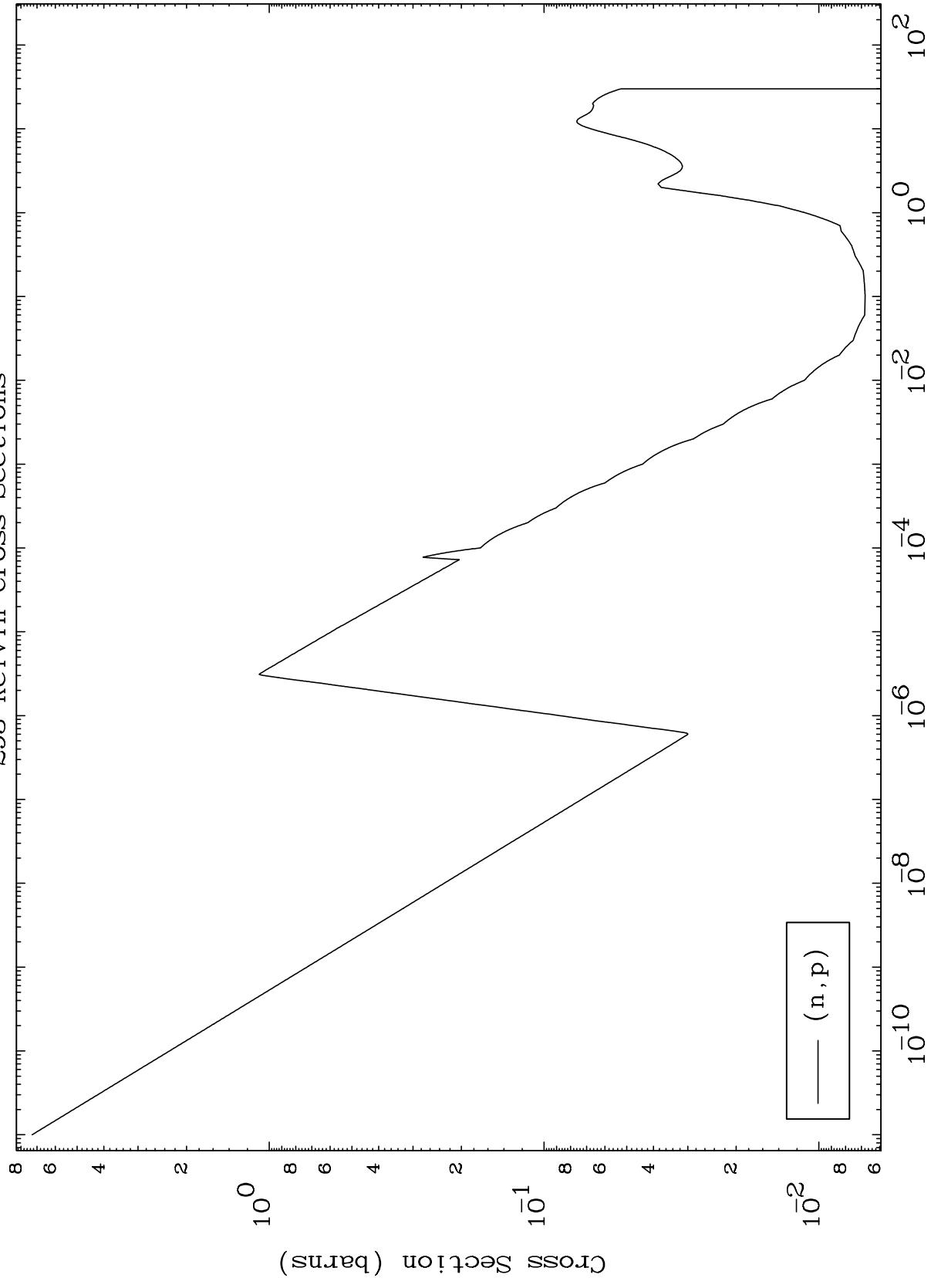
293 Kelvin Cross Sections



MAT 5816

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-133



10

Incident Energy (MeV)

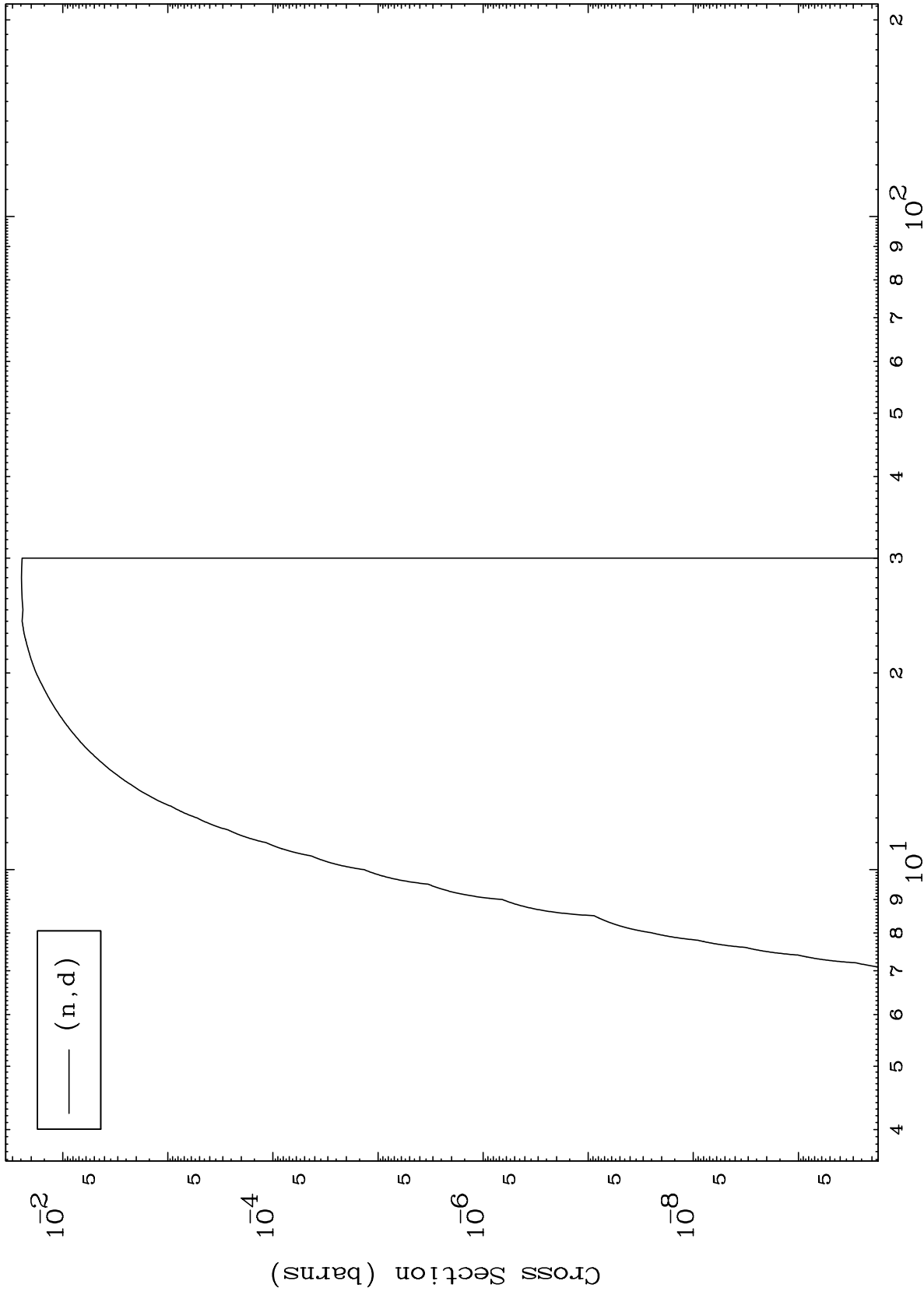
58-Ce-133

— (n, p)

MAT 5816

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-133



11

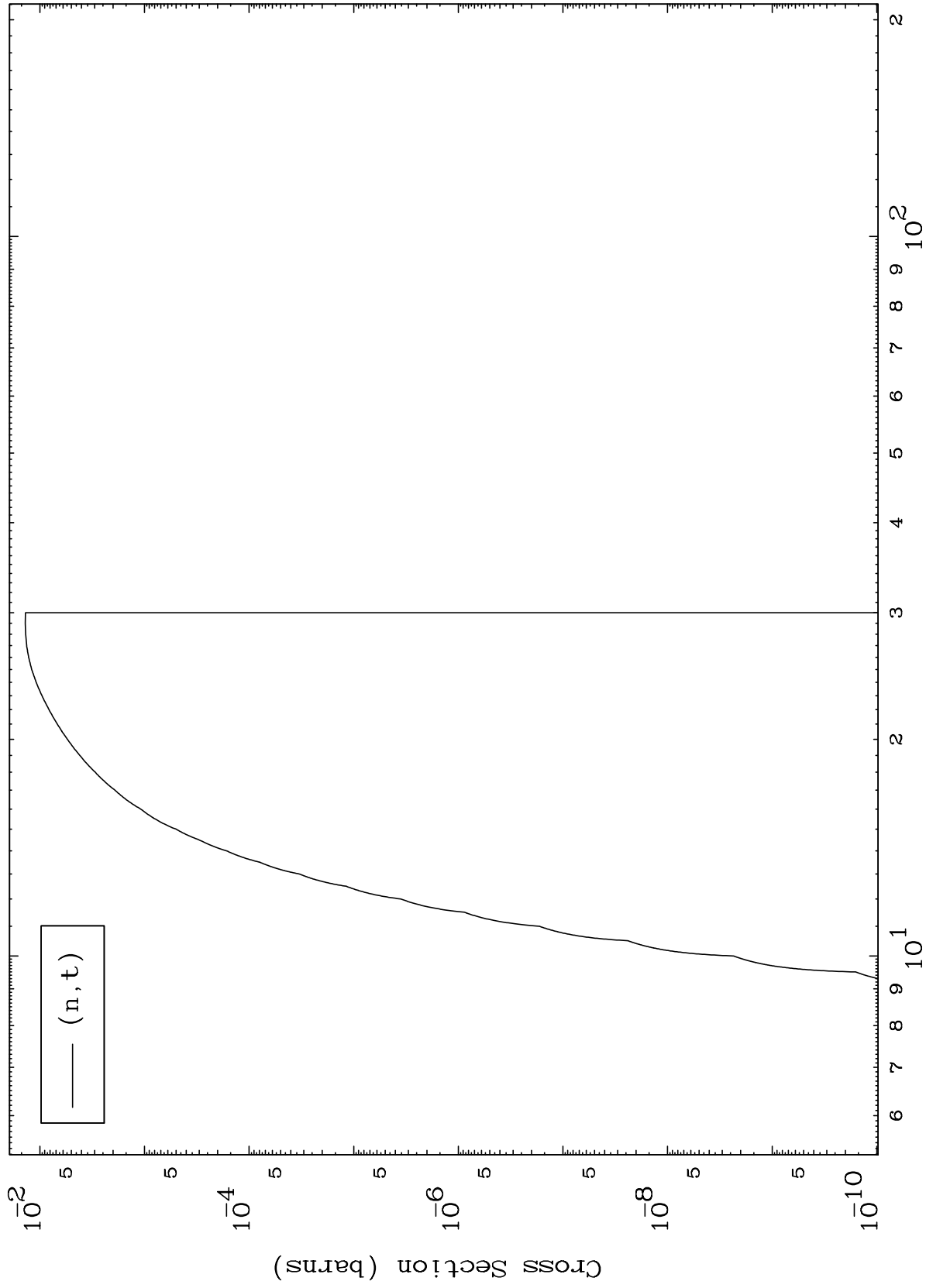
Incident Energy (MeV)

58-Ce-133

MAT 5816

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-133



12

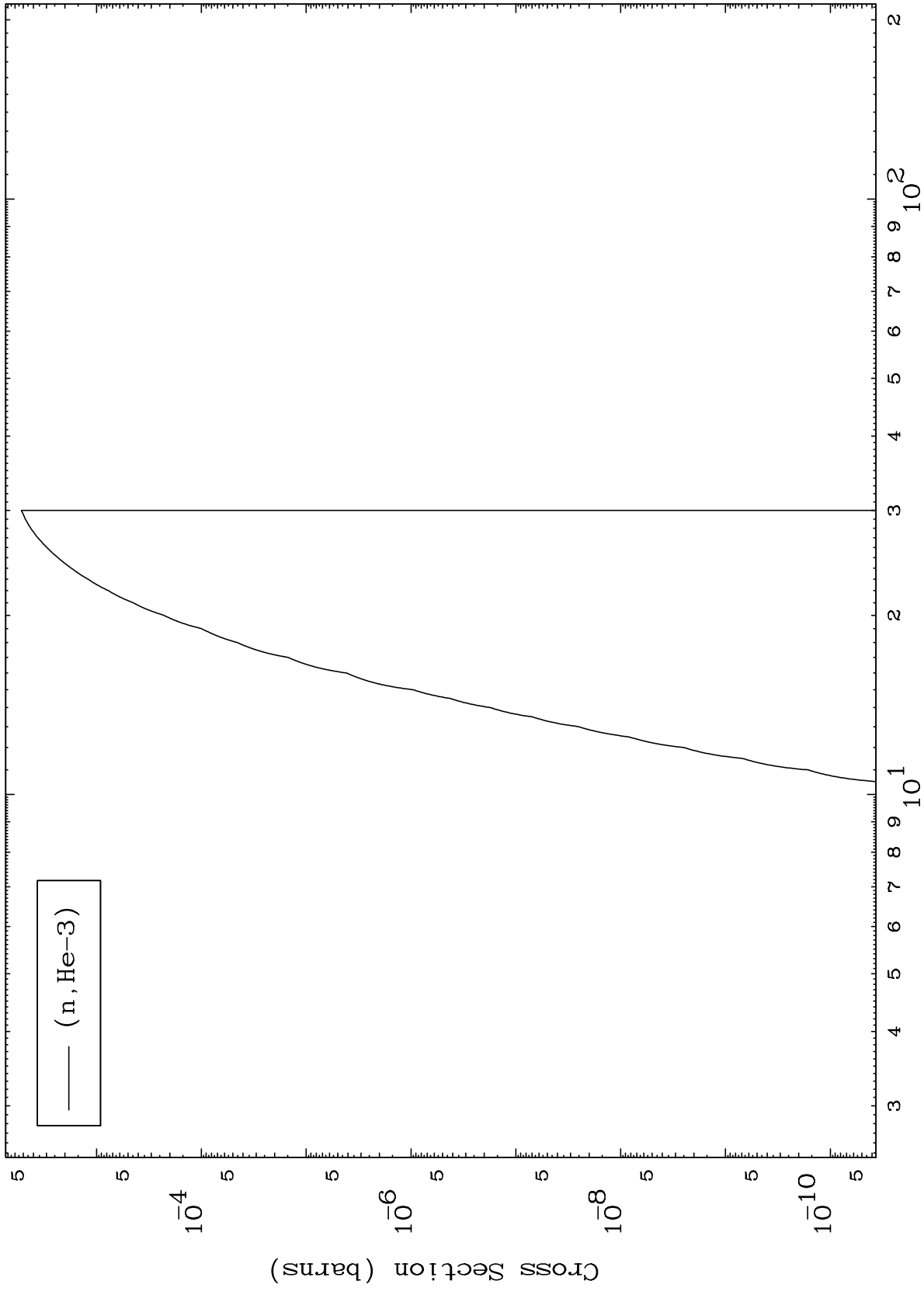
Incident Energy (MeV)

58-Ce-133

MAT 5816

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-133



13

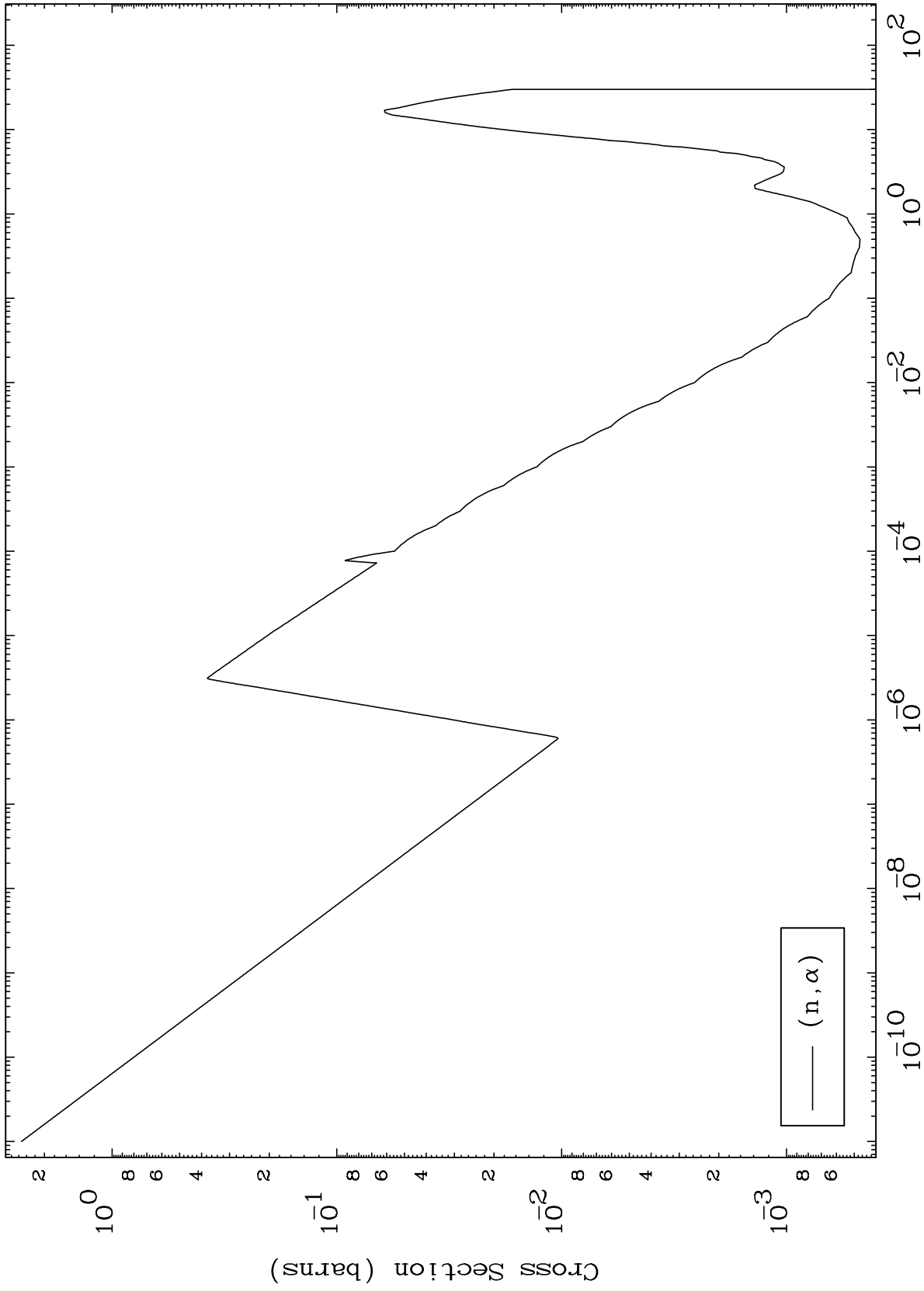
Incident Energy (MeV)

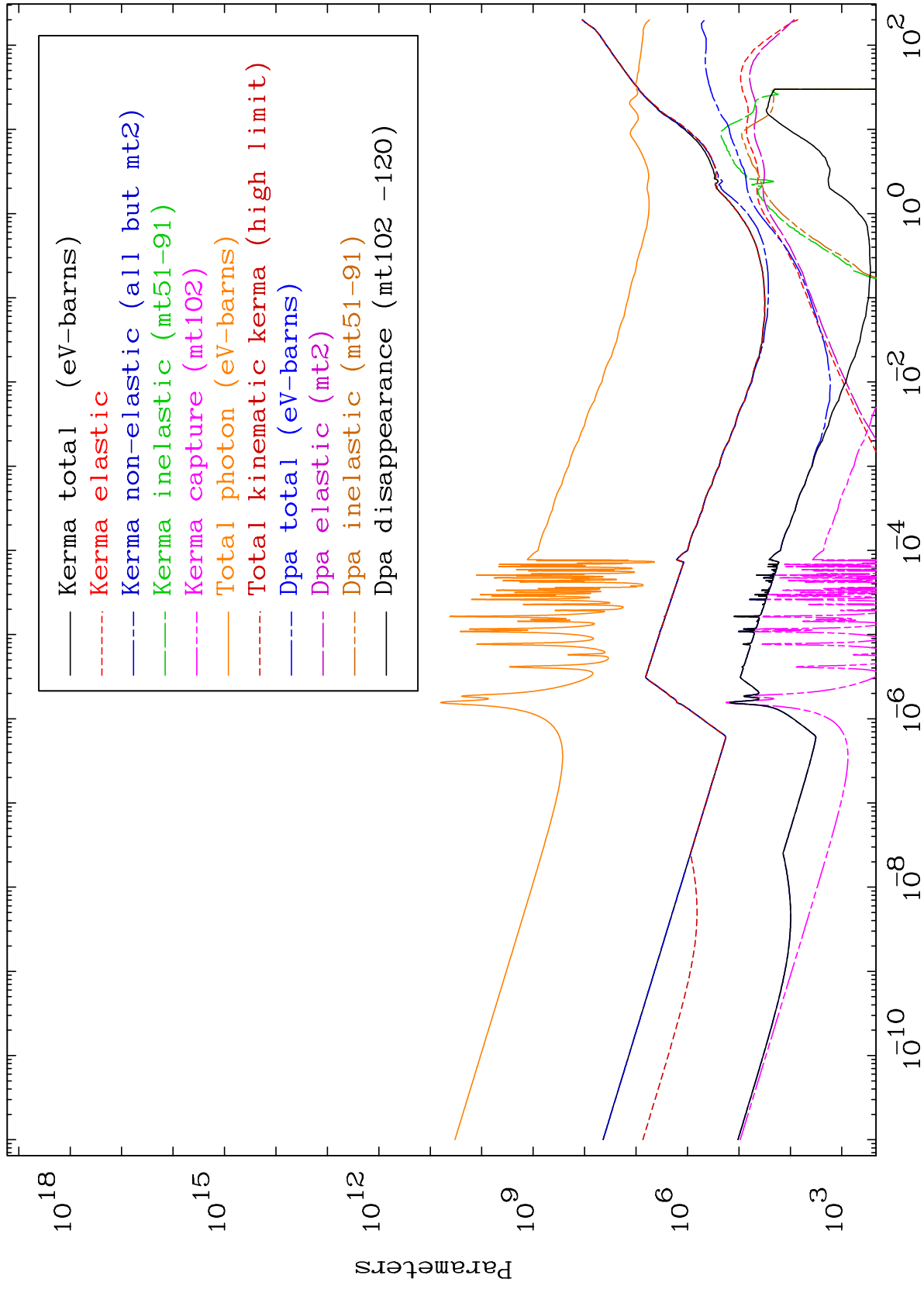
58-Ce-133

MAT 5816

(n,α) Levels
293 Kelvin Cross Sections

58-Ce-133

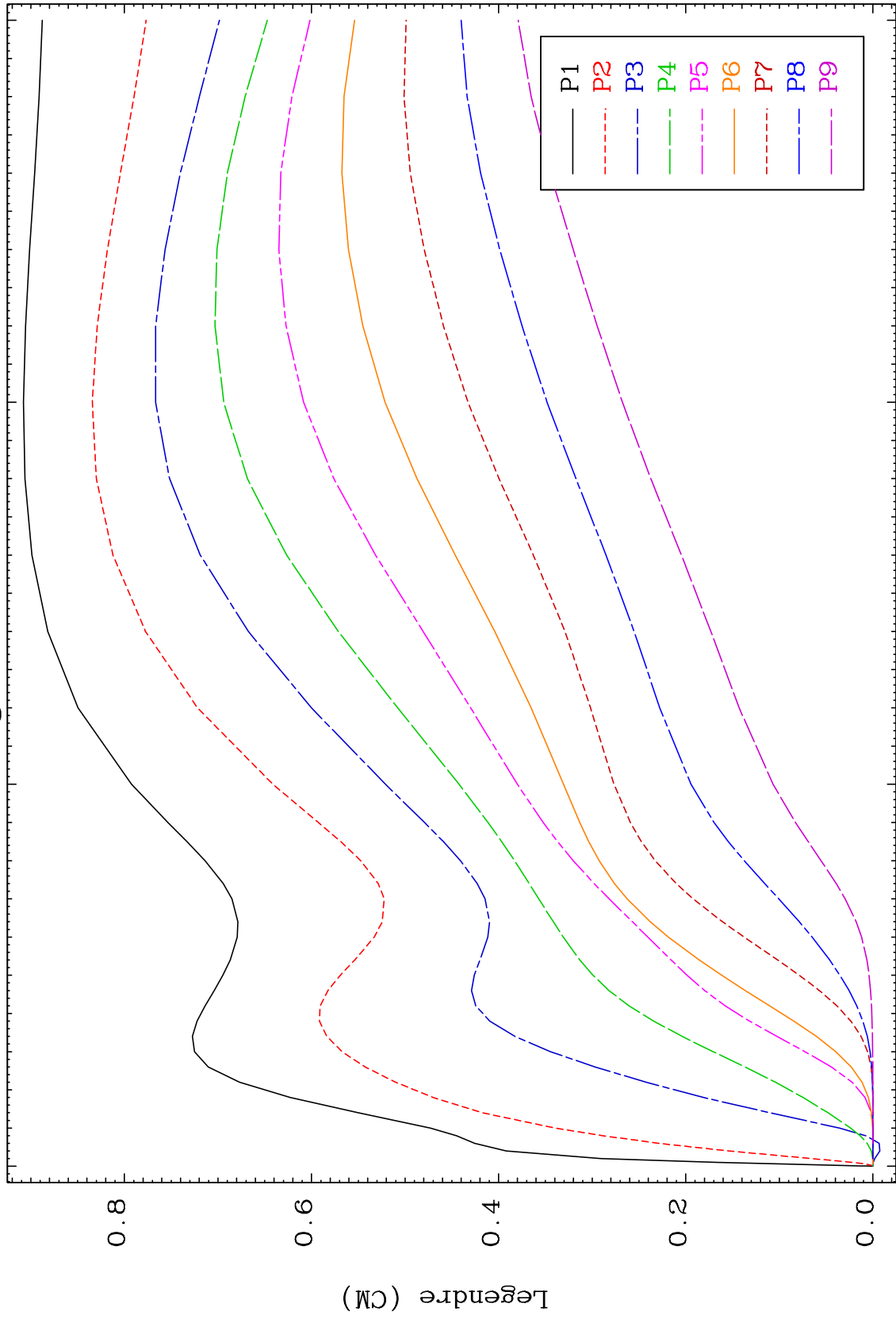




MAT 5816

Elastic Legendre Coefficients

58-Ce-133



16

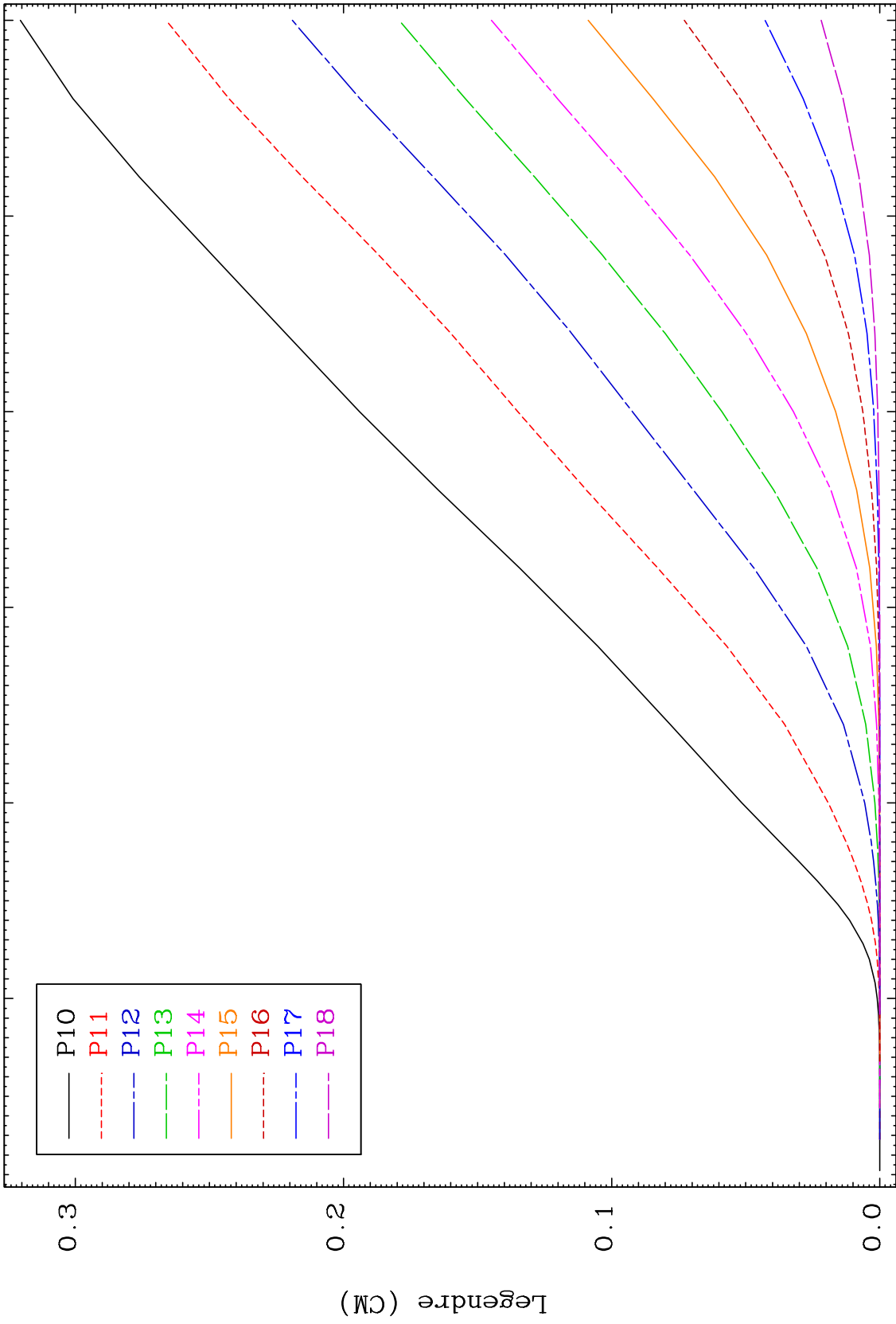
Incident Energy (MeV)

58-Ce-133

MAT 5816

Elastic Legendre Coefficients

58-Ce-133



17

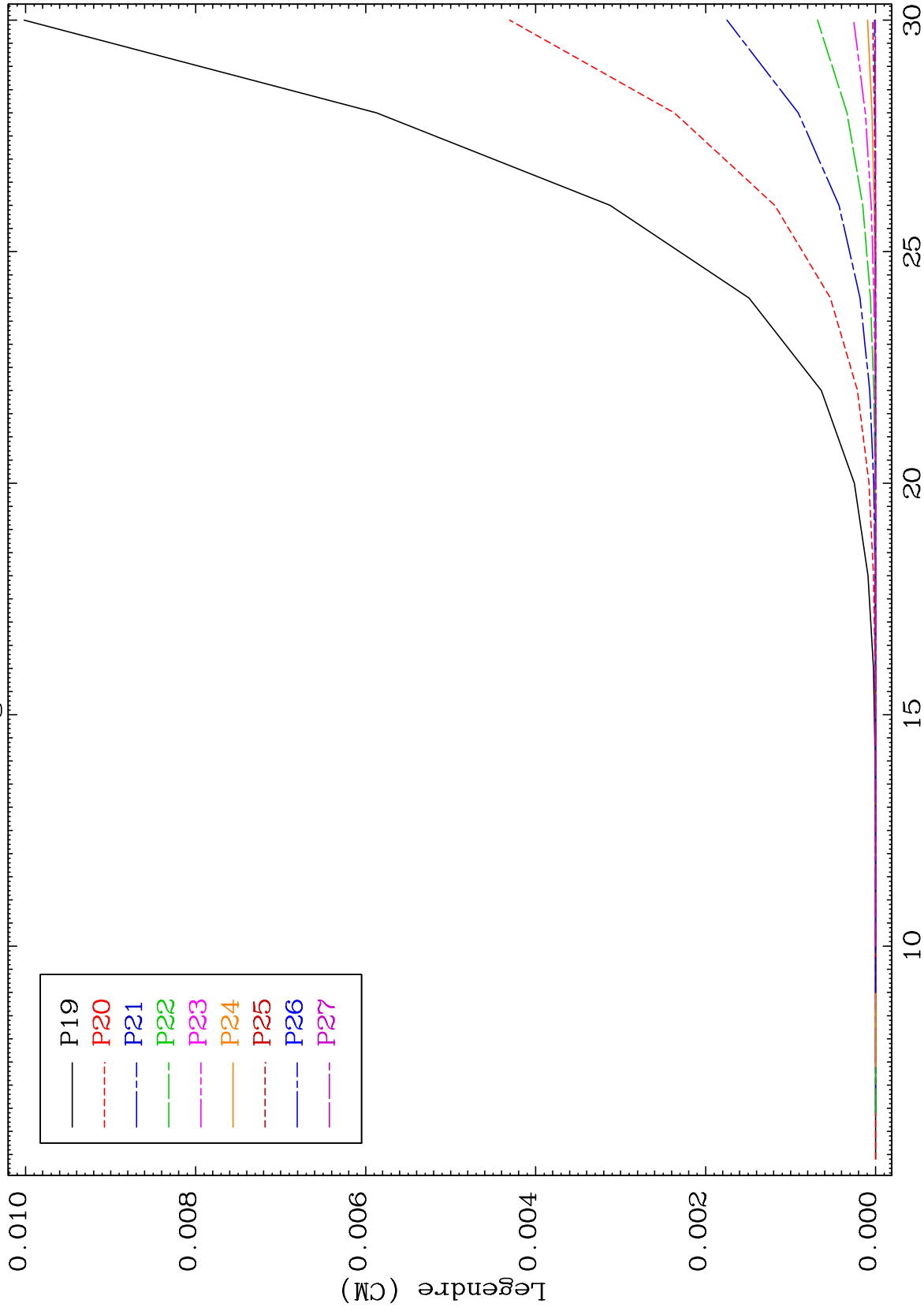
Incident Energy (MeV)

58-Ce-133

MAT 5816

Elastic Legendre Coefficients

58-Ce-133



18

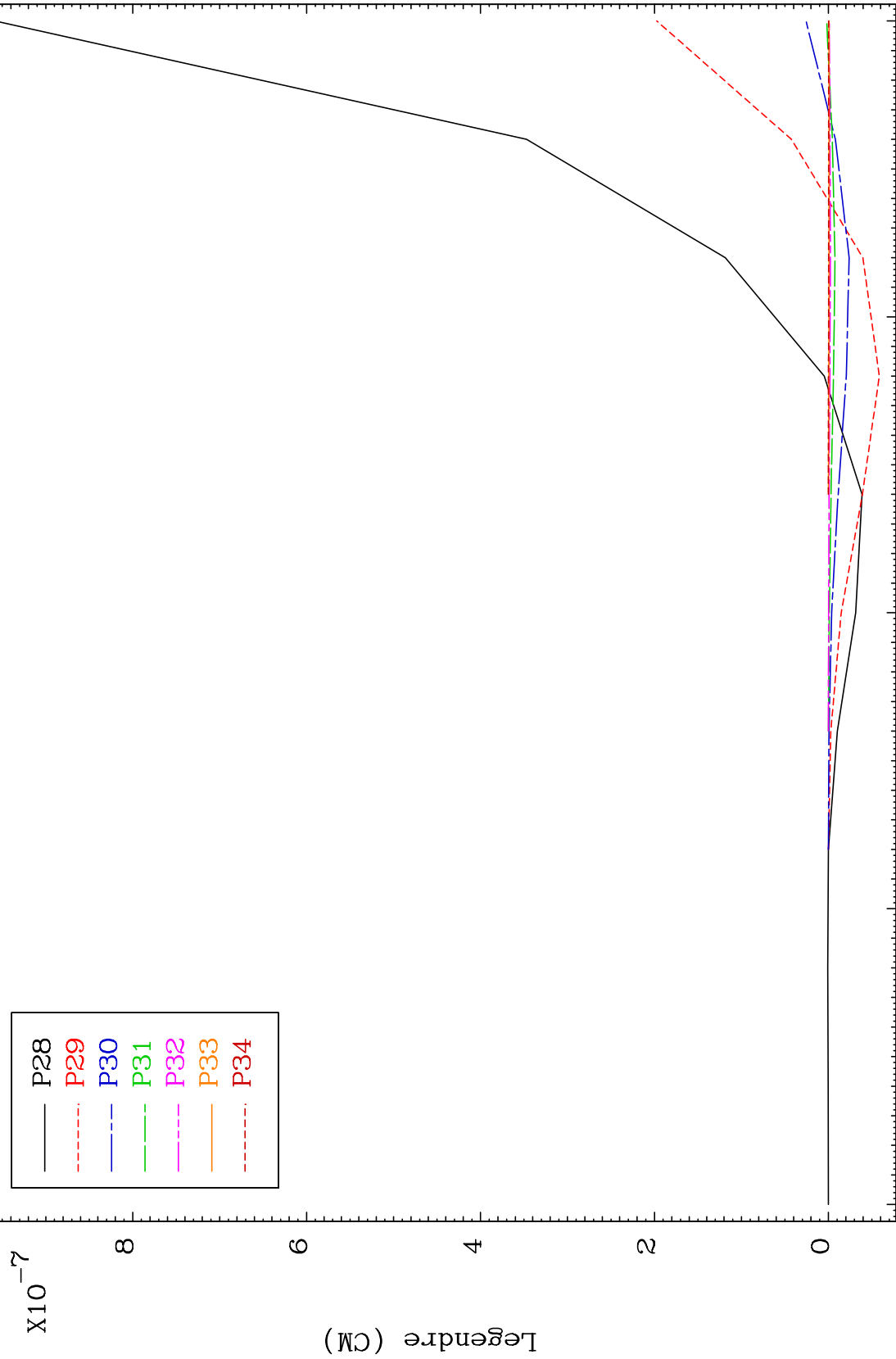
Incident Energy (MeV)

58-Ce-133

MAT 5816

Elastic Legendre Coefficients

58-Ce-133



19

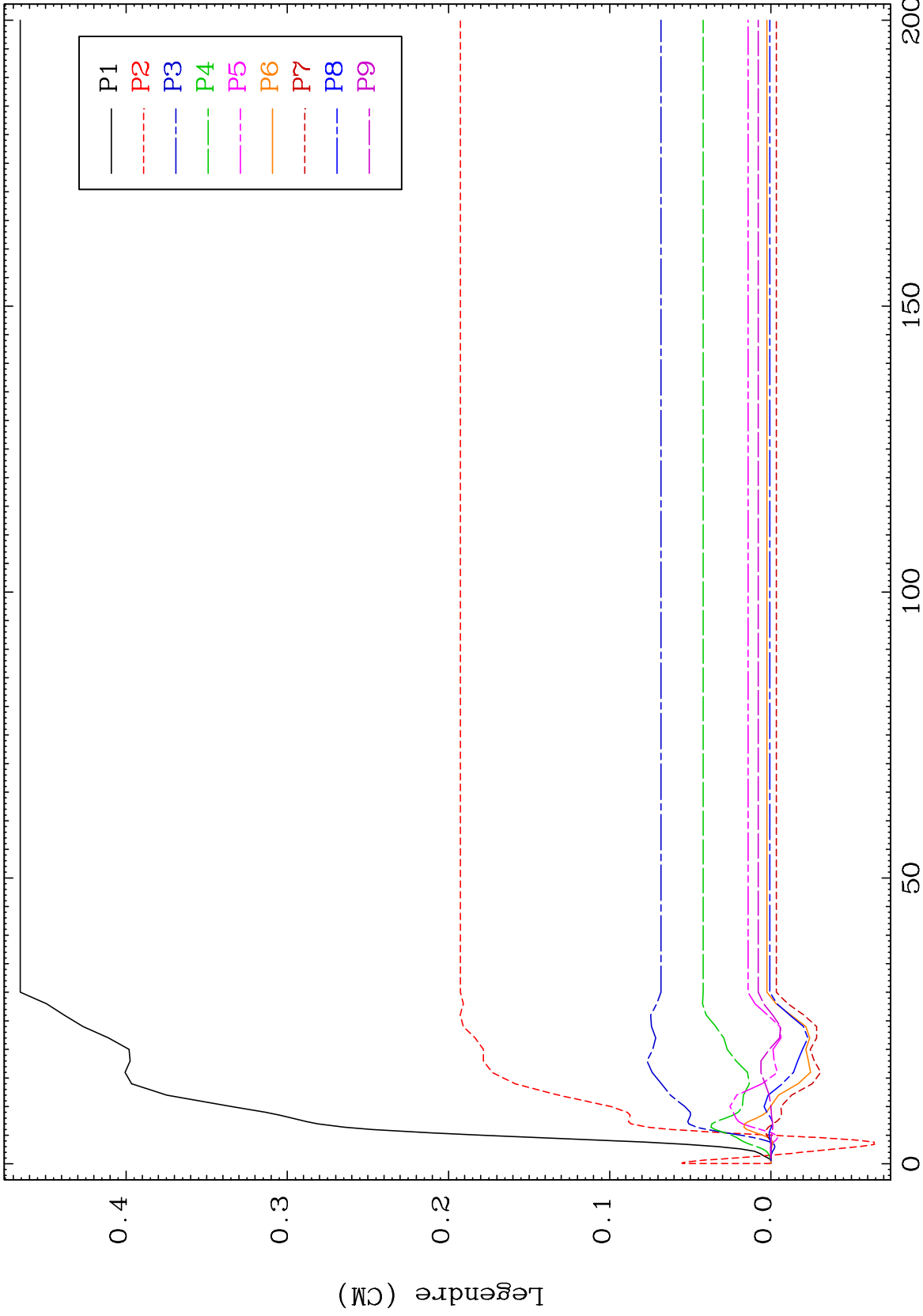
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



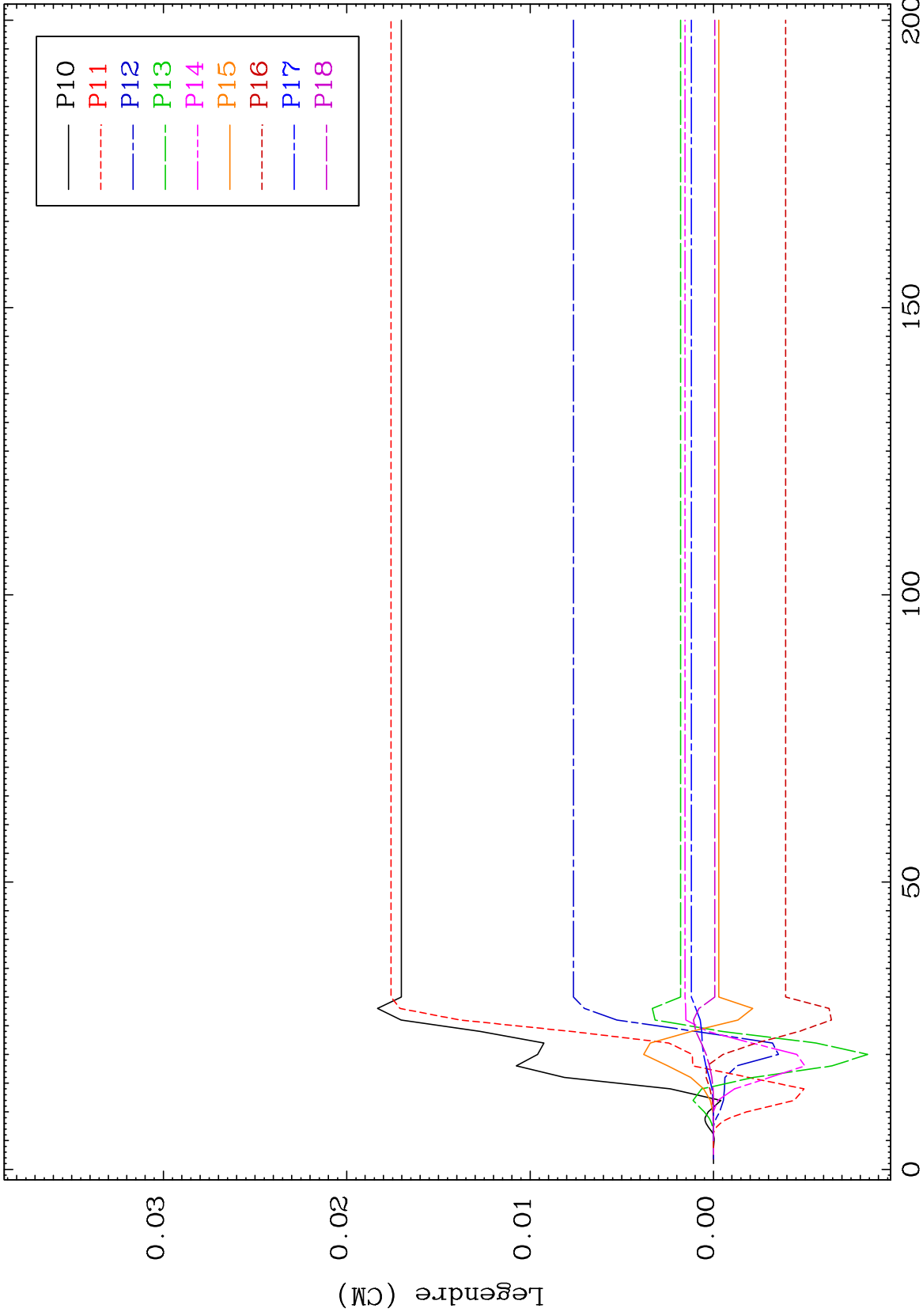
58-Ce-133

Incident Energy (MeV)

MAT 5816

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

58-Ce-133



21

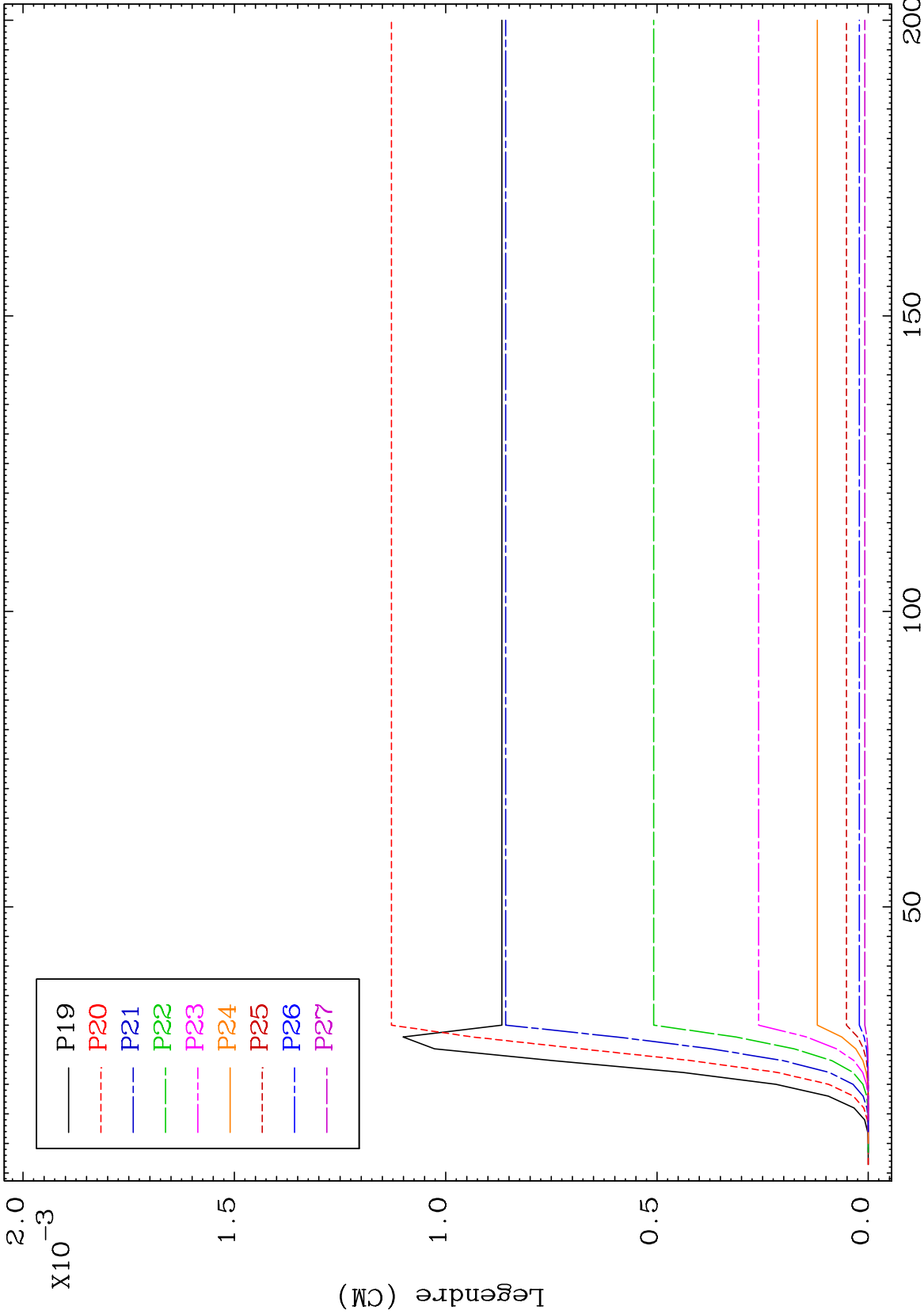
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



22

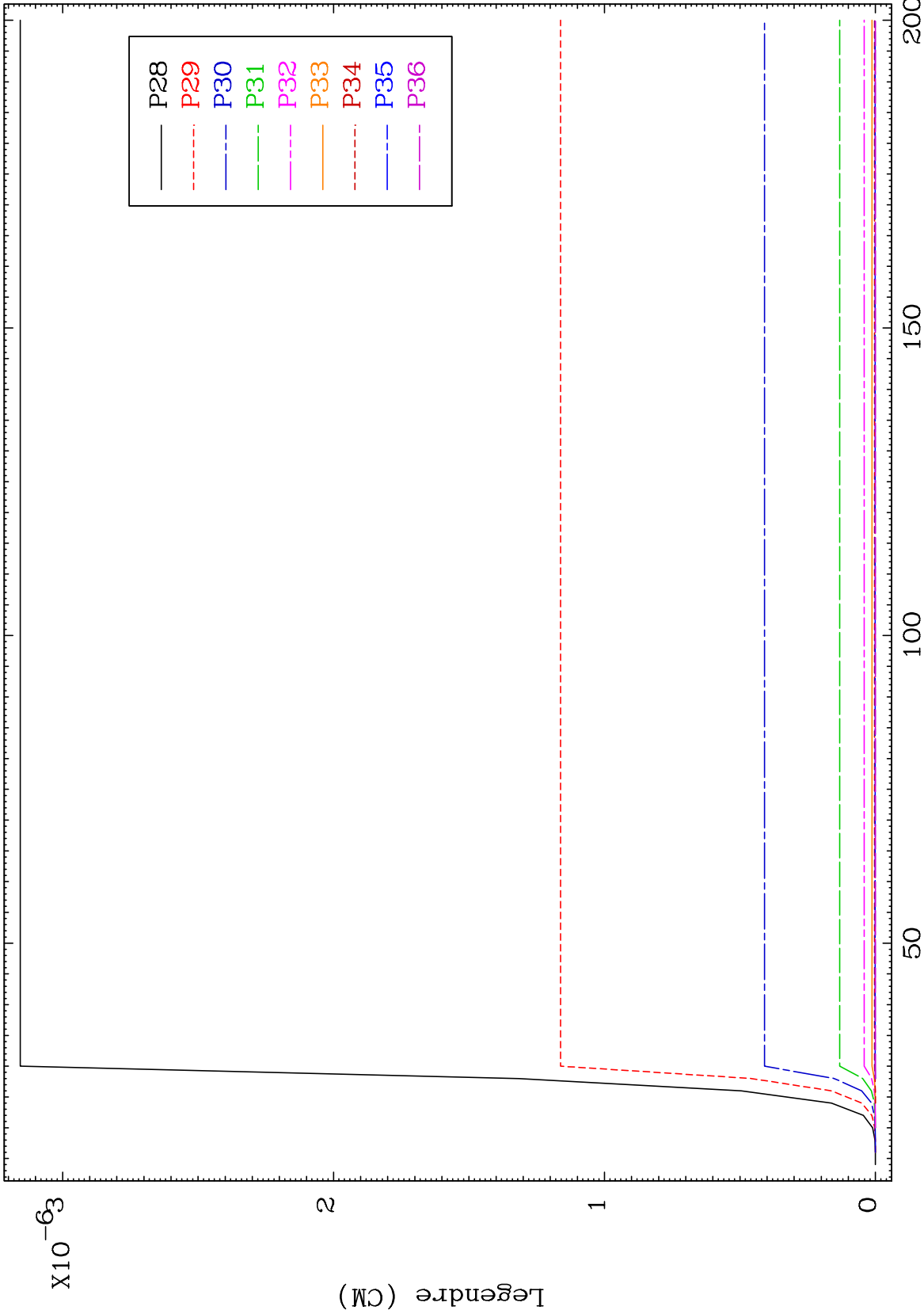
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



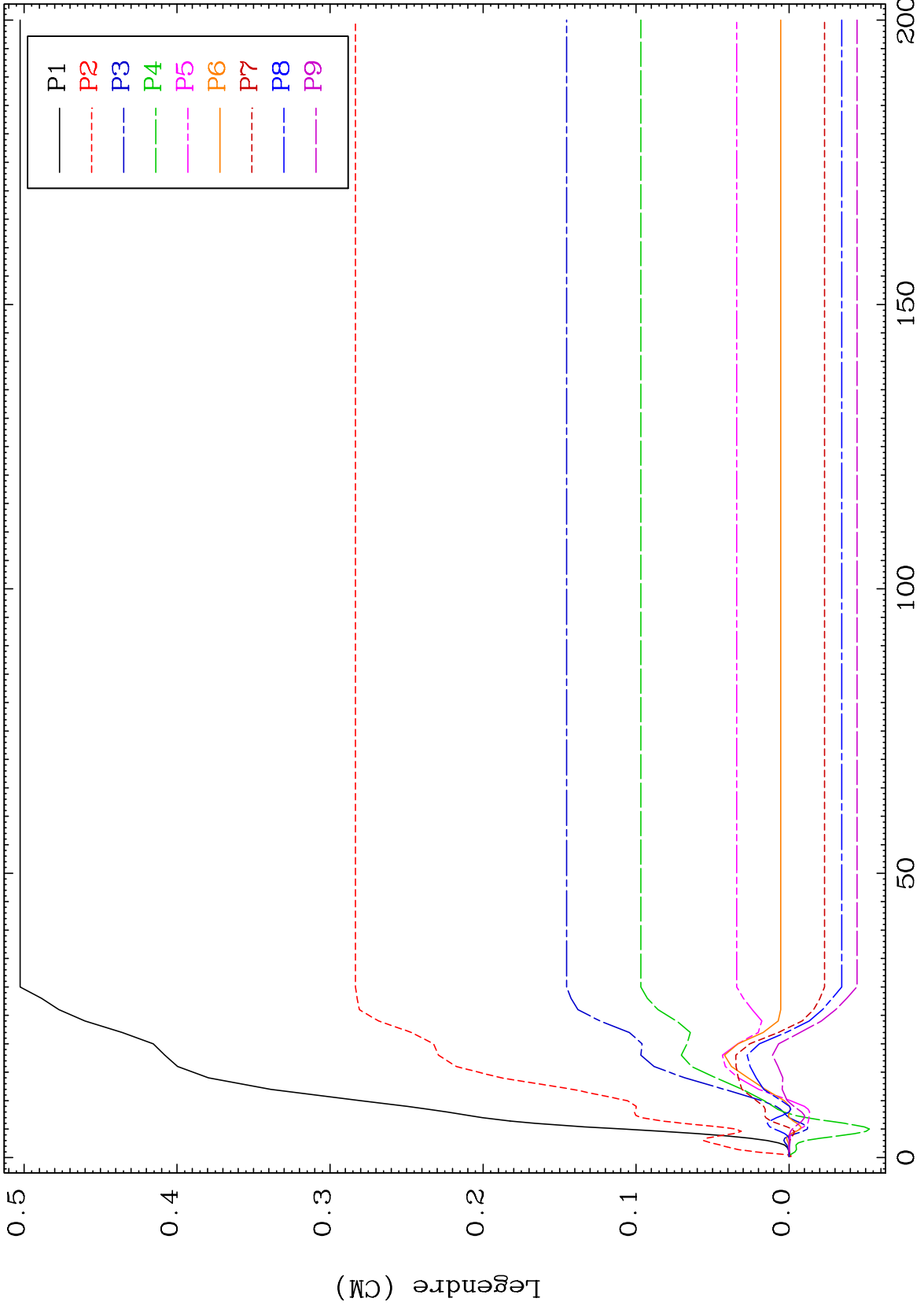
23

58-Ce-133

MAT 5816

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

58-Ce-133



24

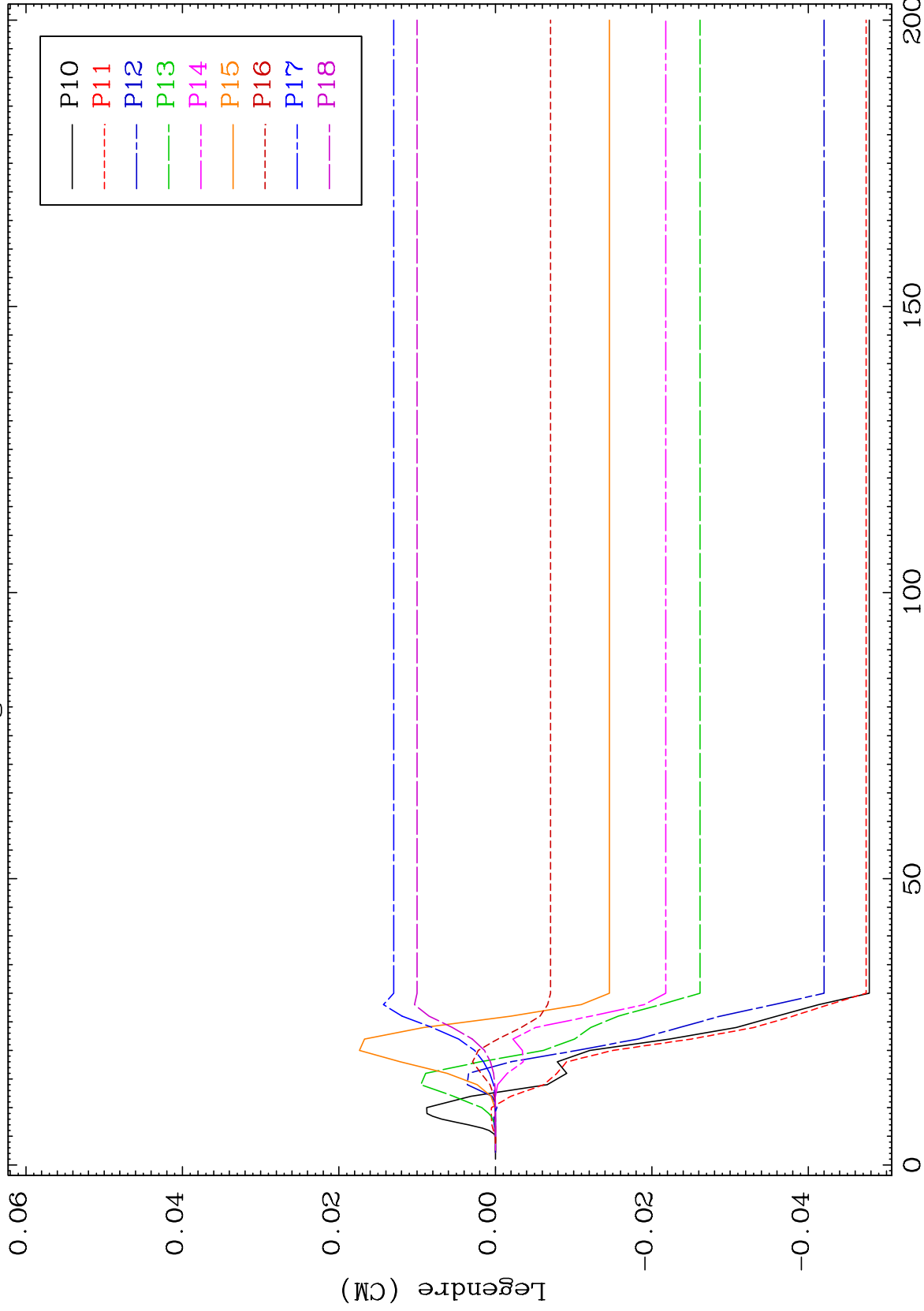
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



25

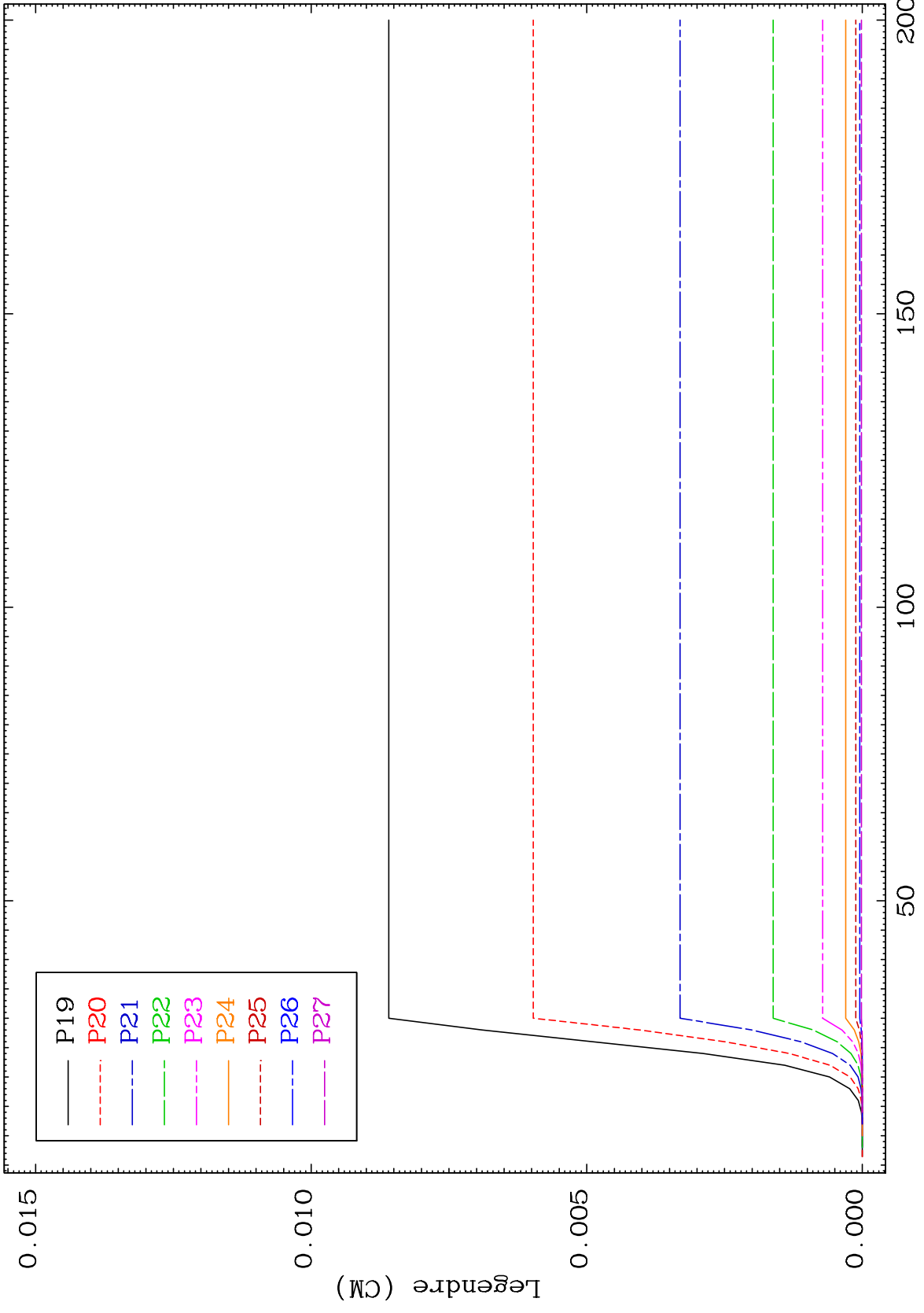
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



26

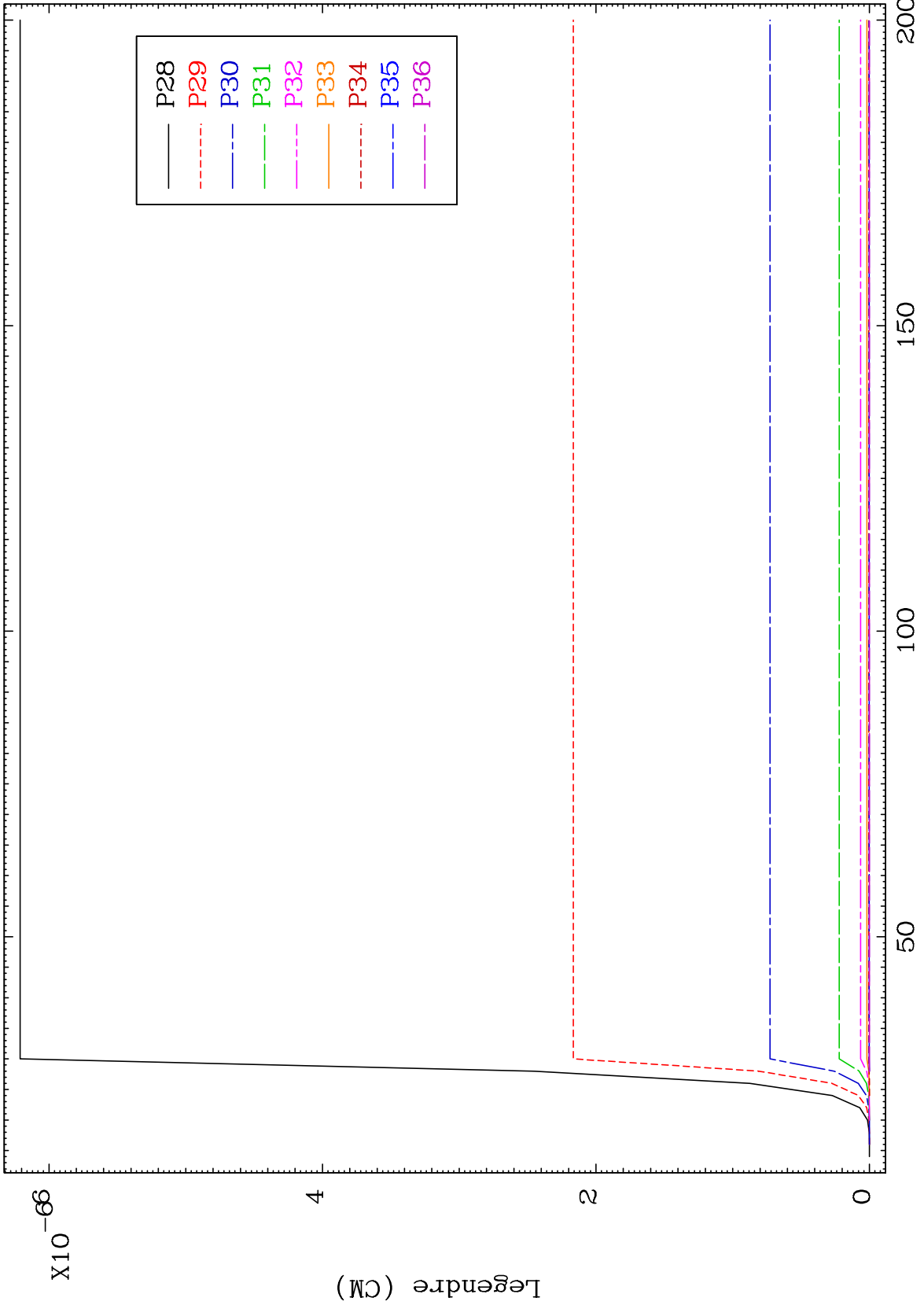
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



27

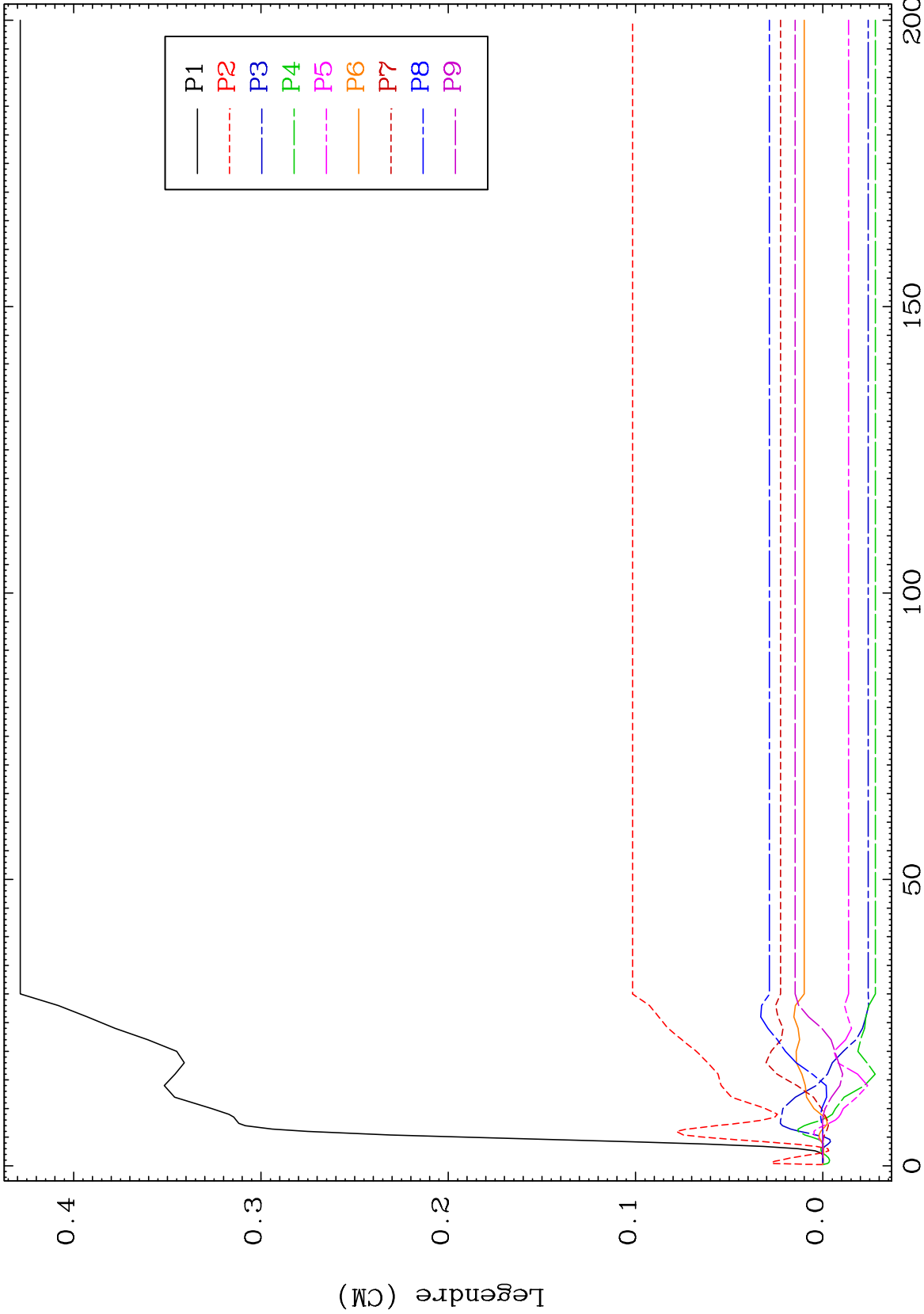
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



28

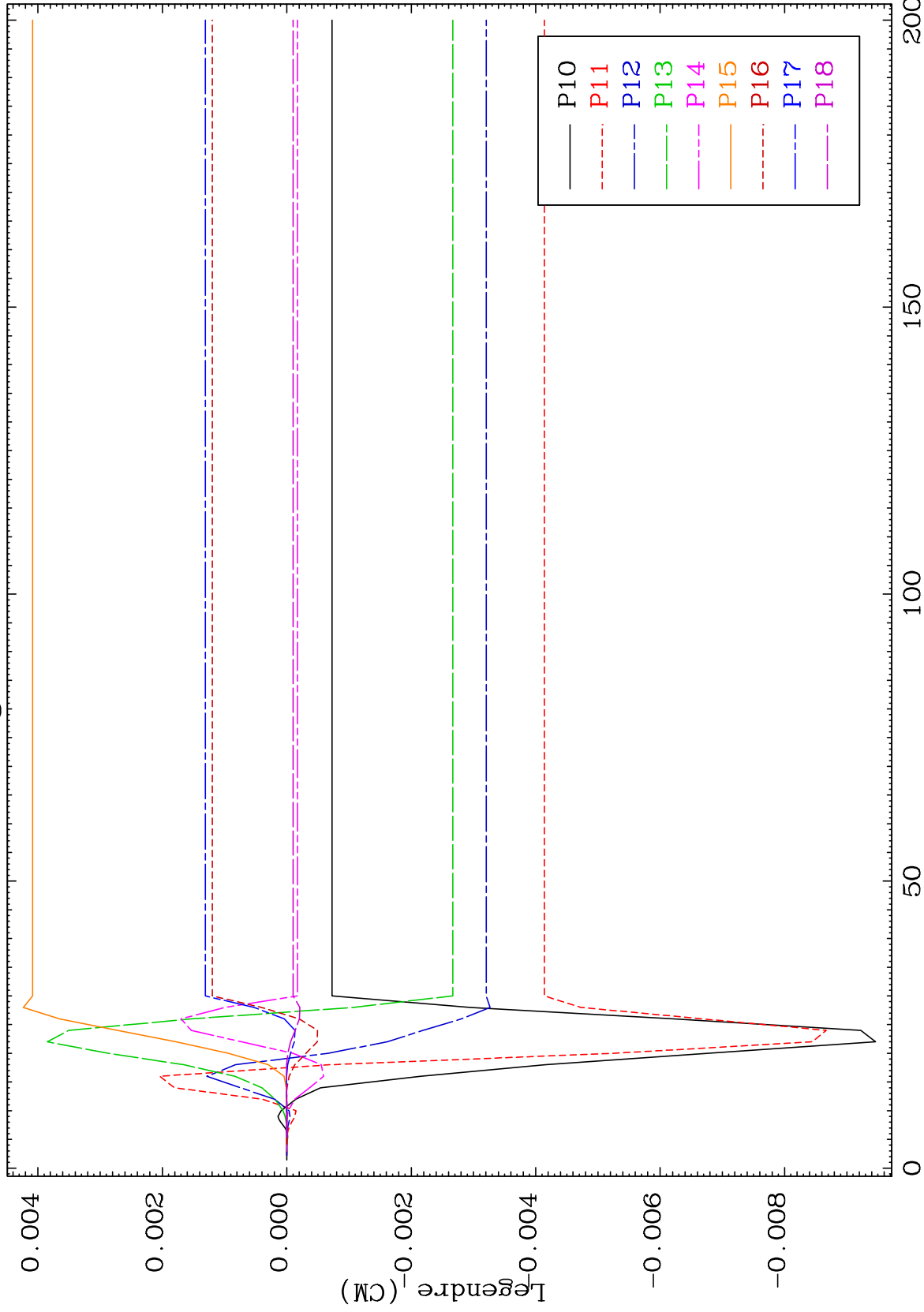
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



29

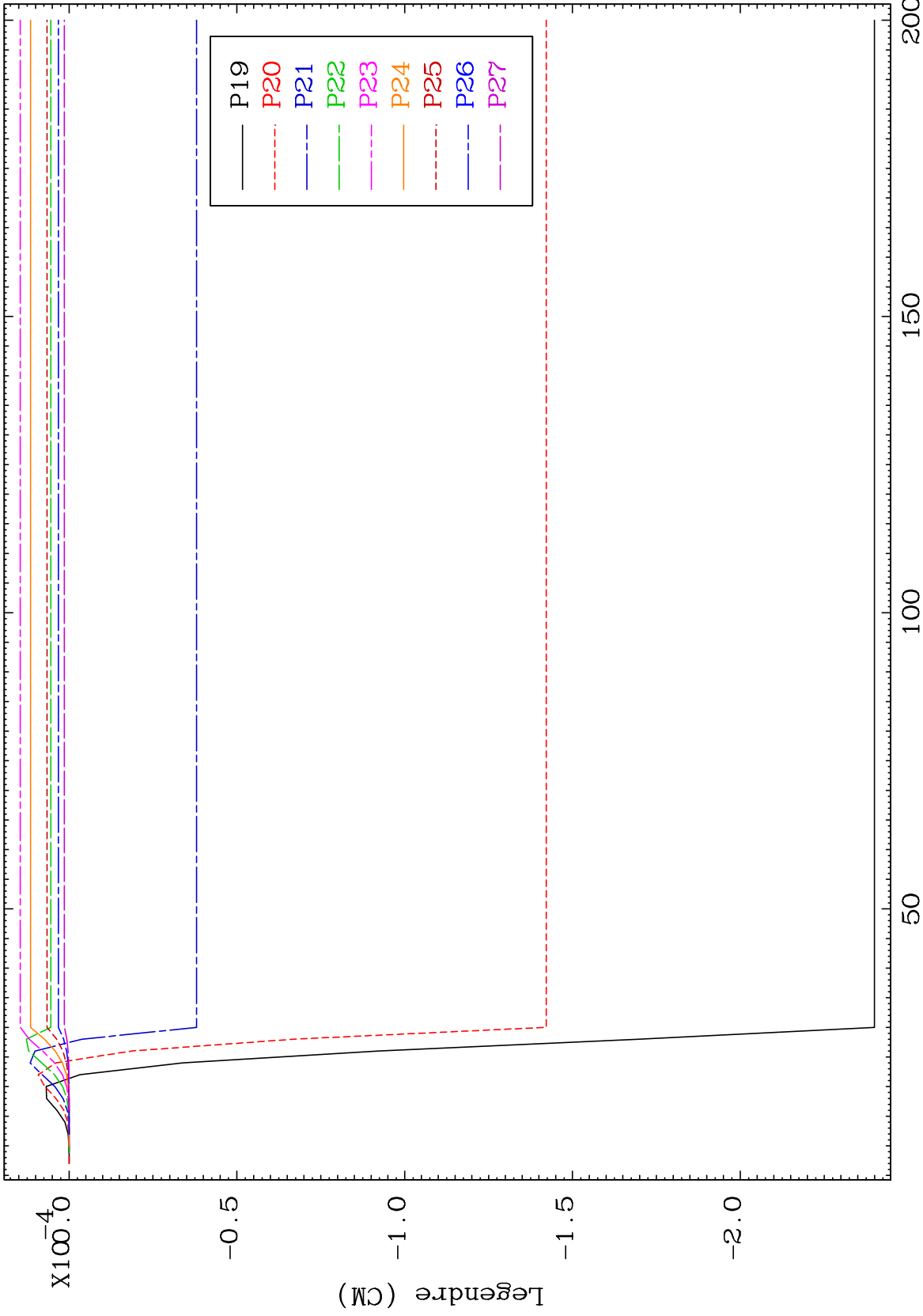
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



30

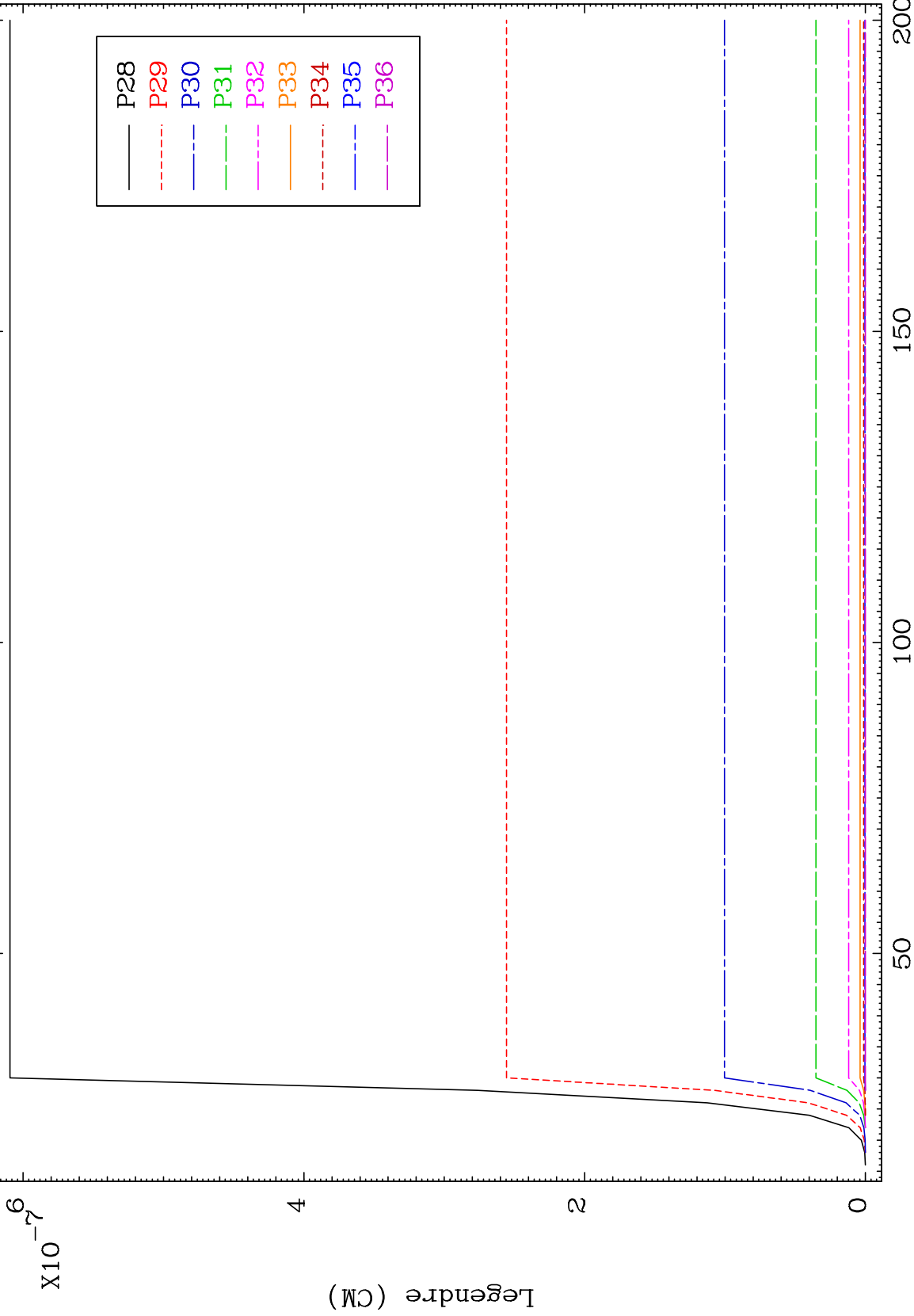
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



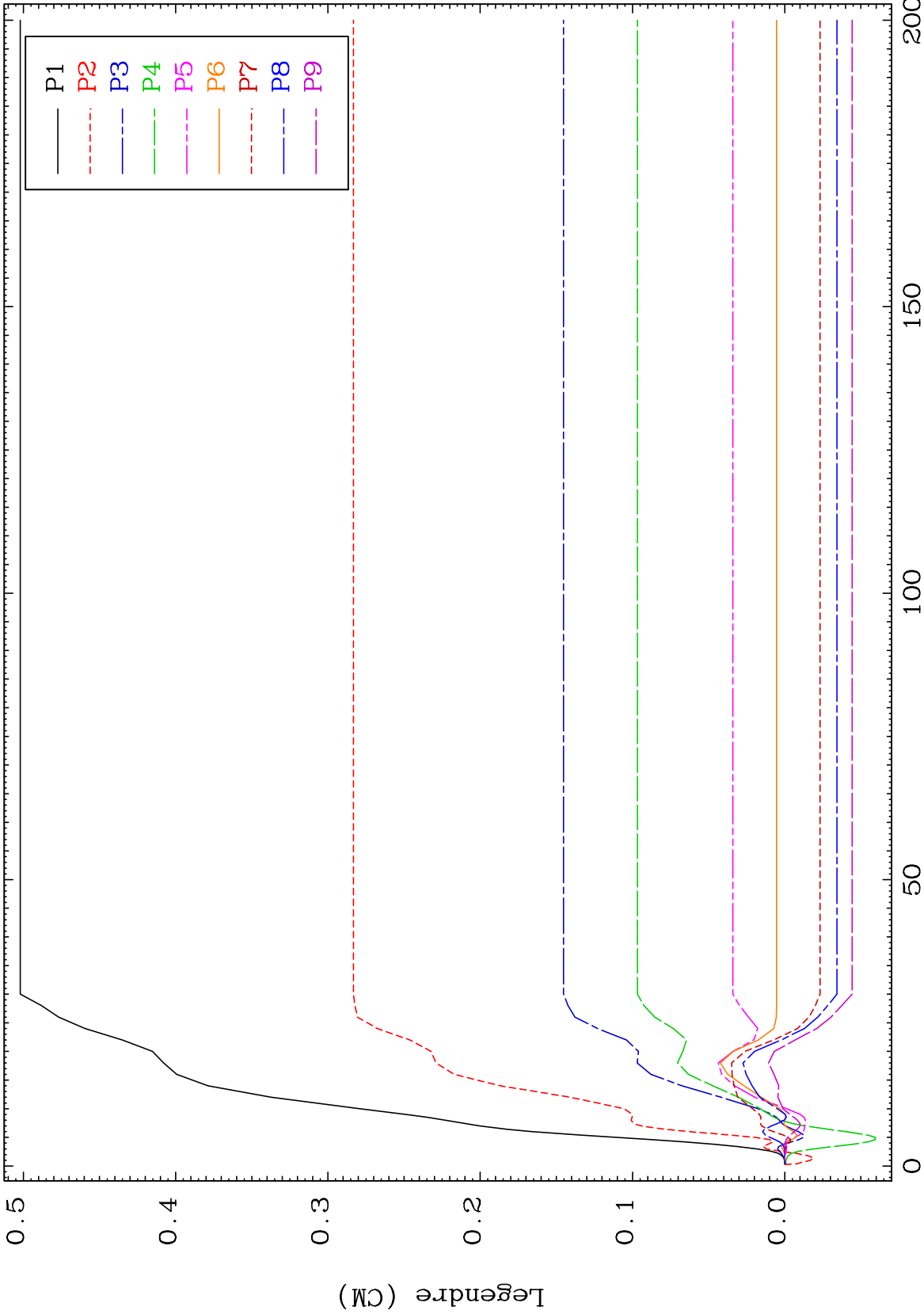
31

58-Ce-133

MAT 5816

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

58-Ce-133



32

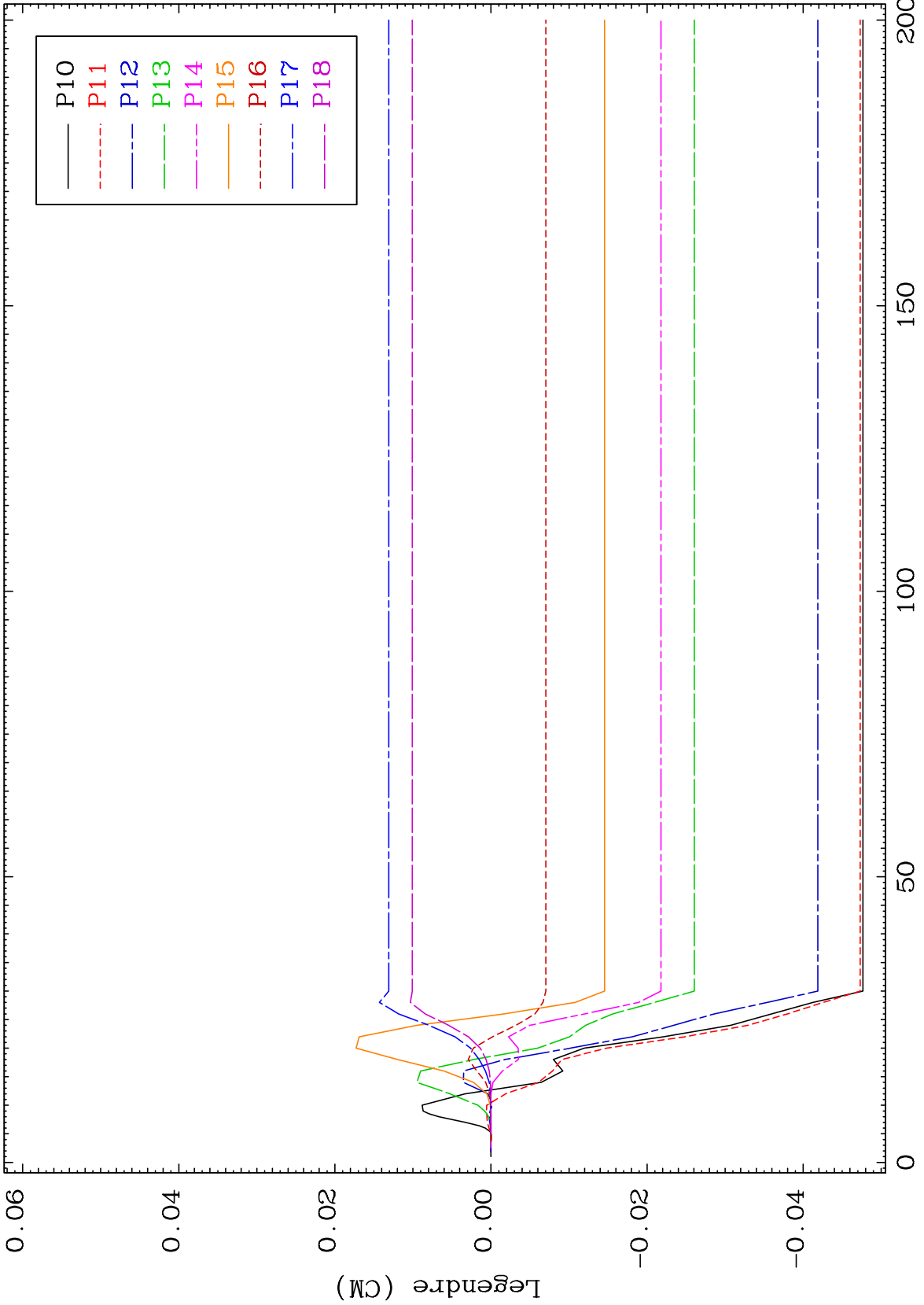
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



33

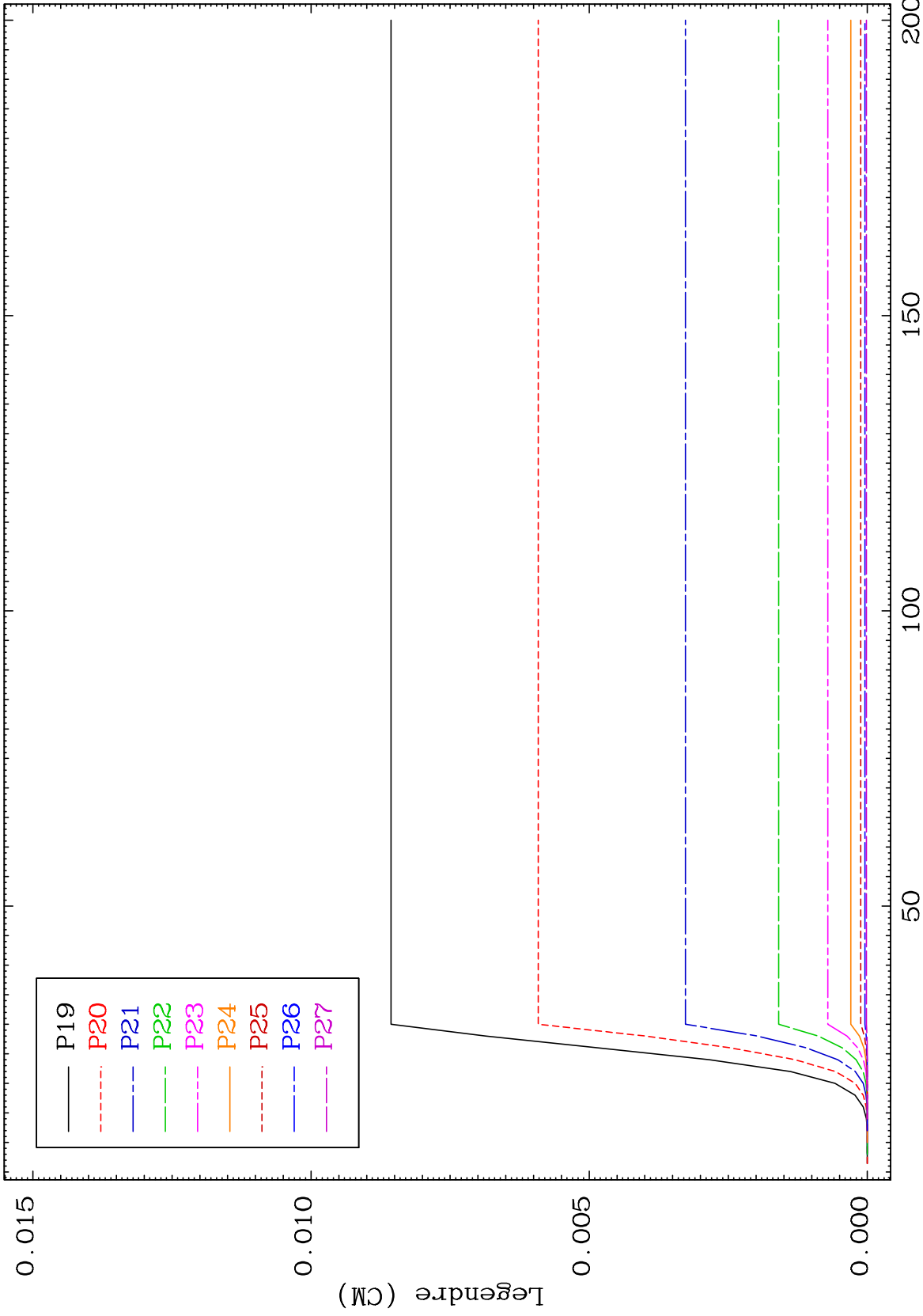
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



34

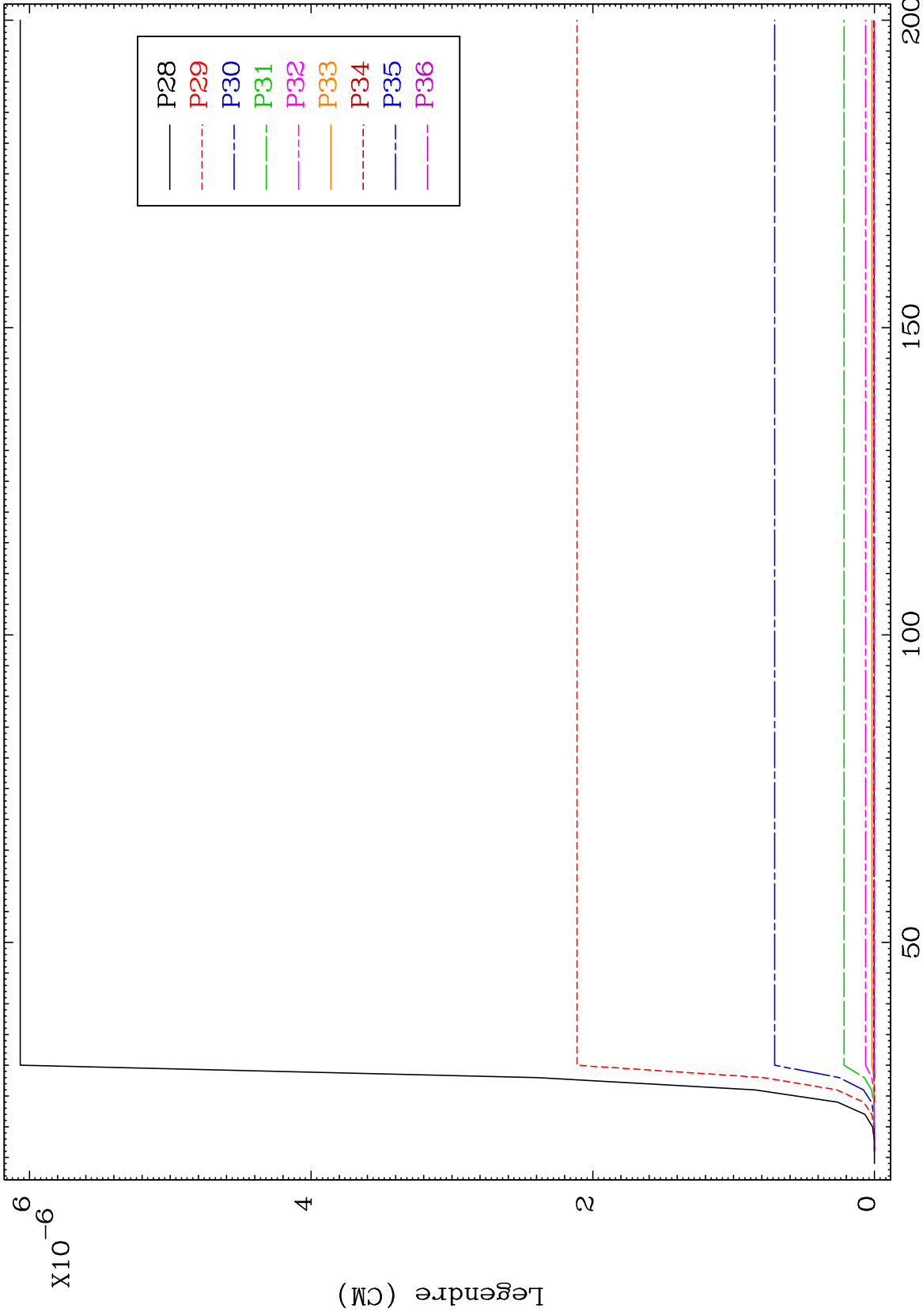
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



35

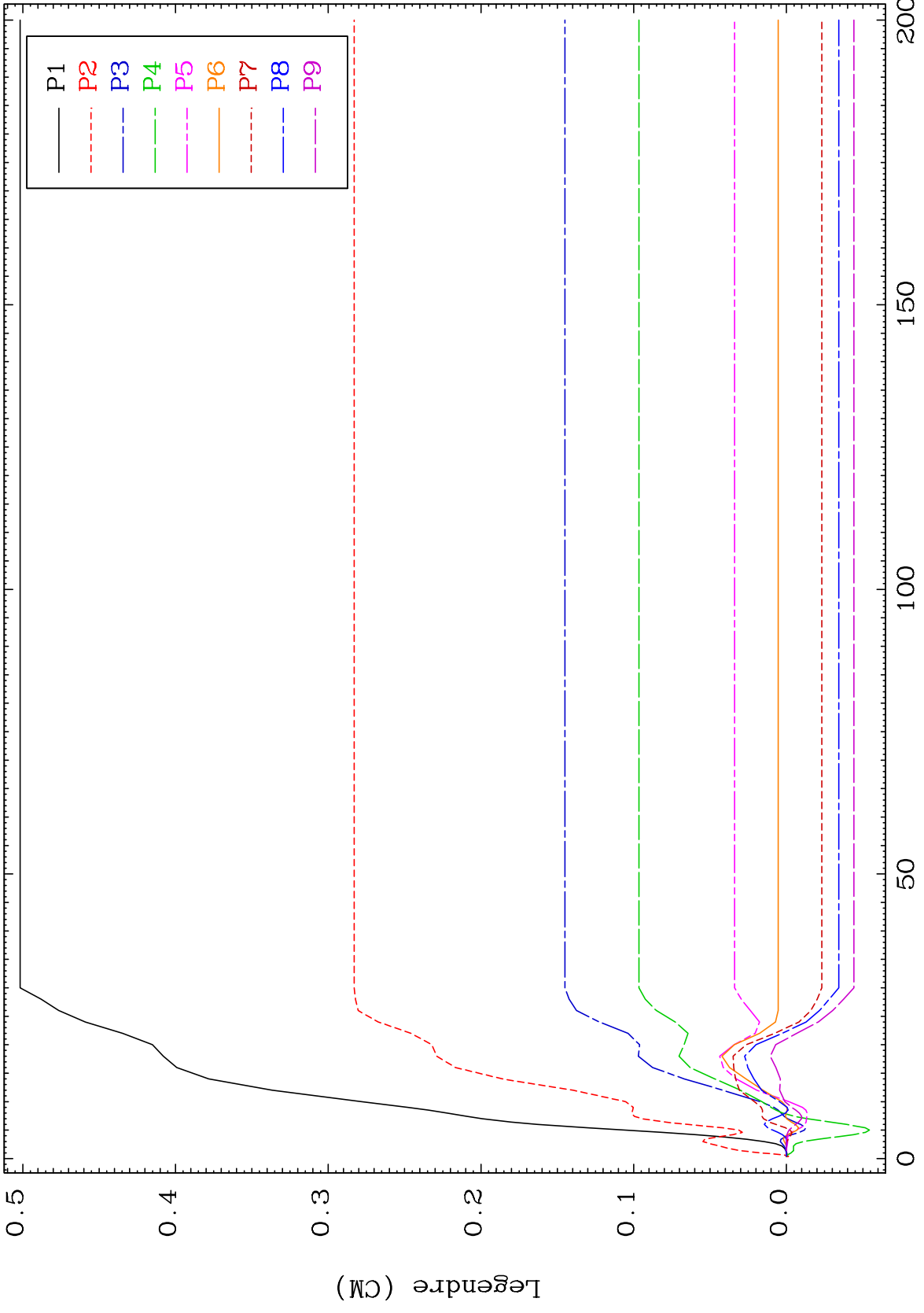
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



36

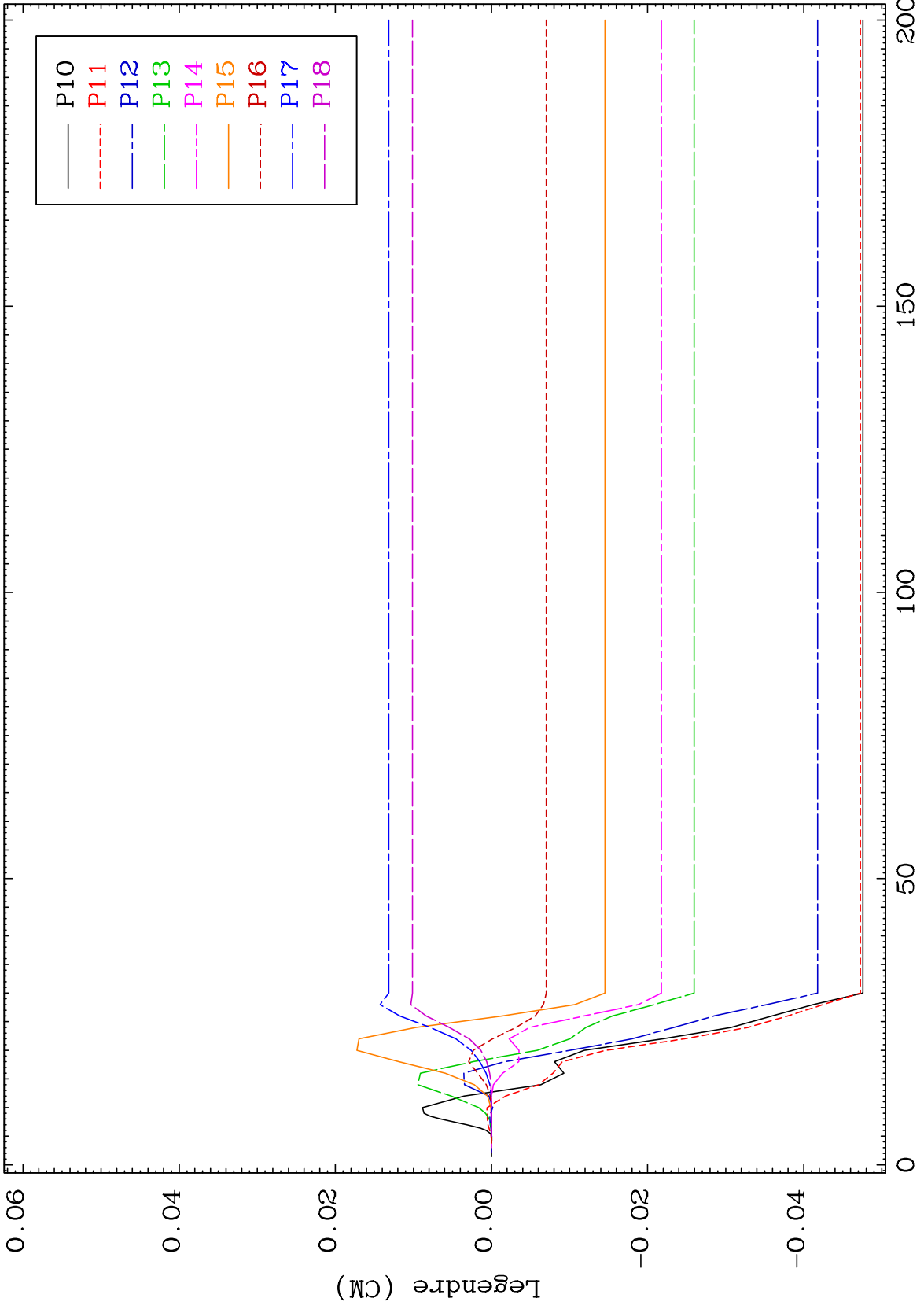
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



37

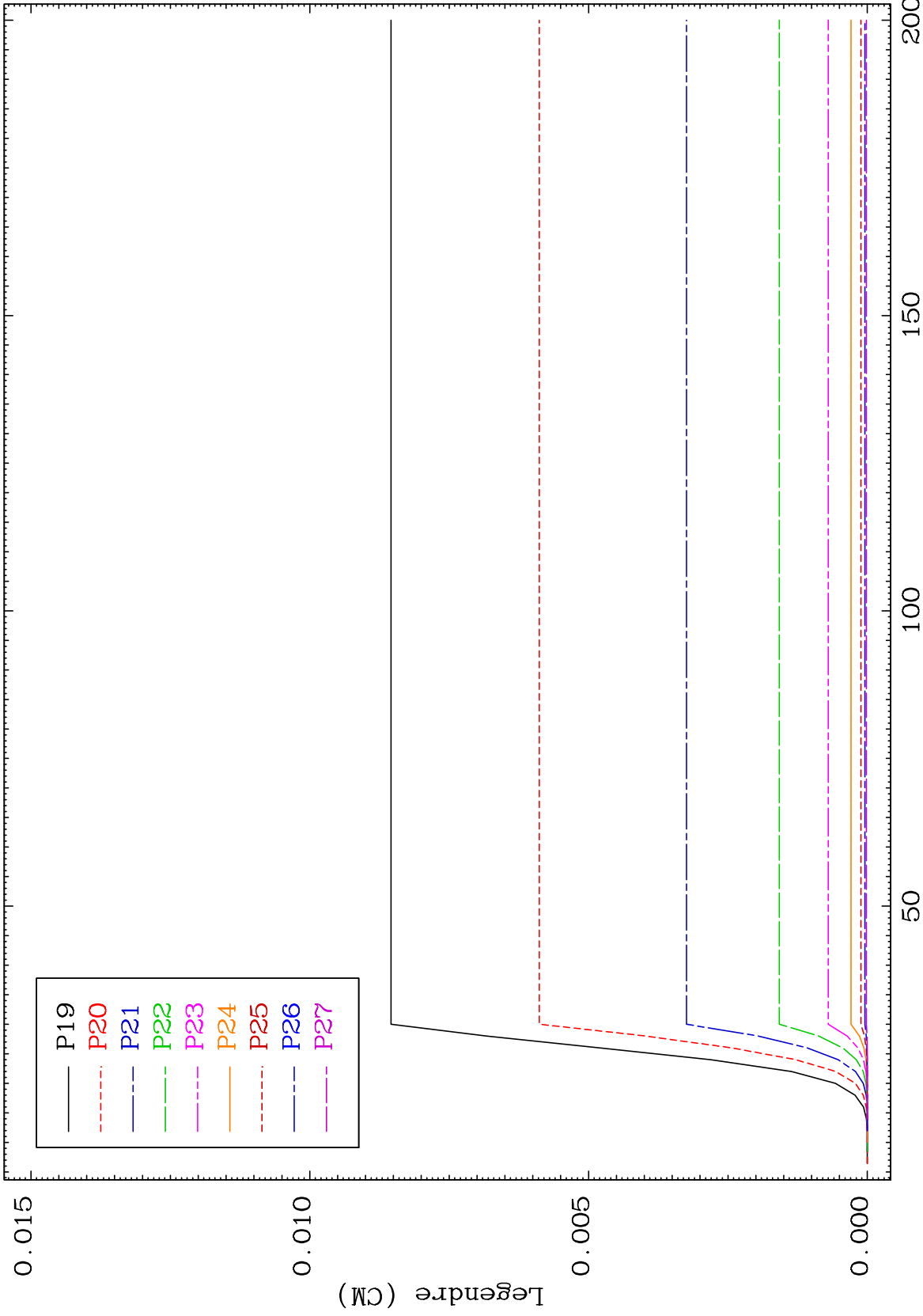
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



38

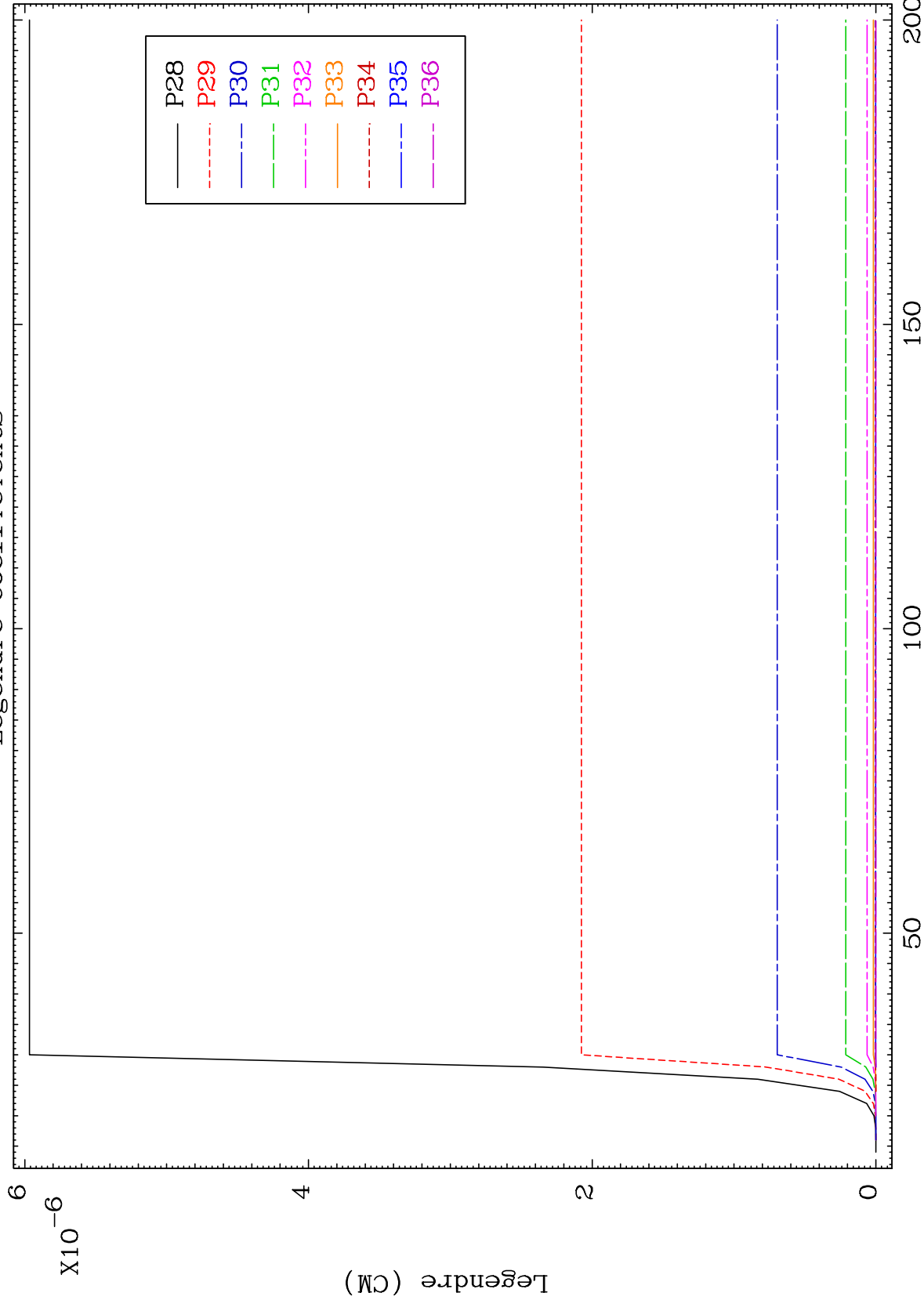
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



39

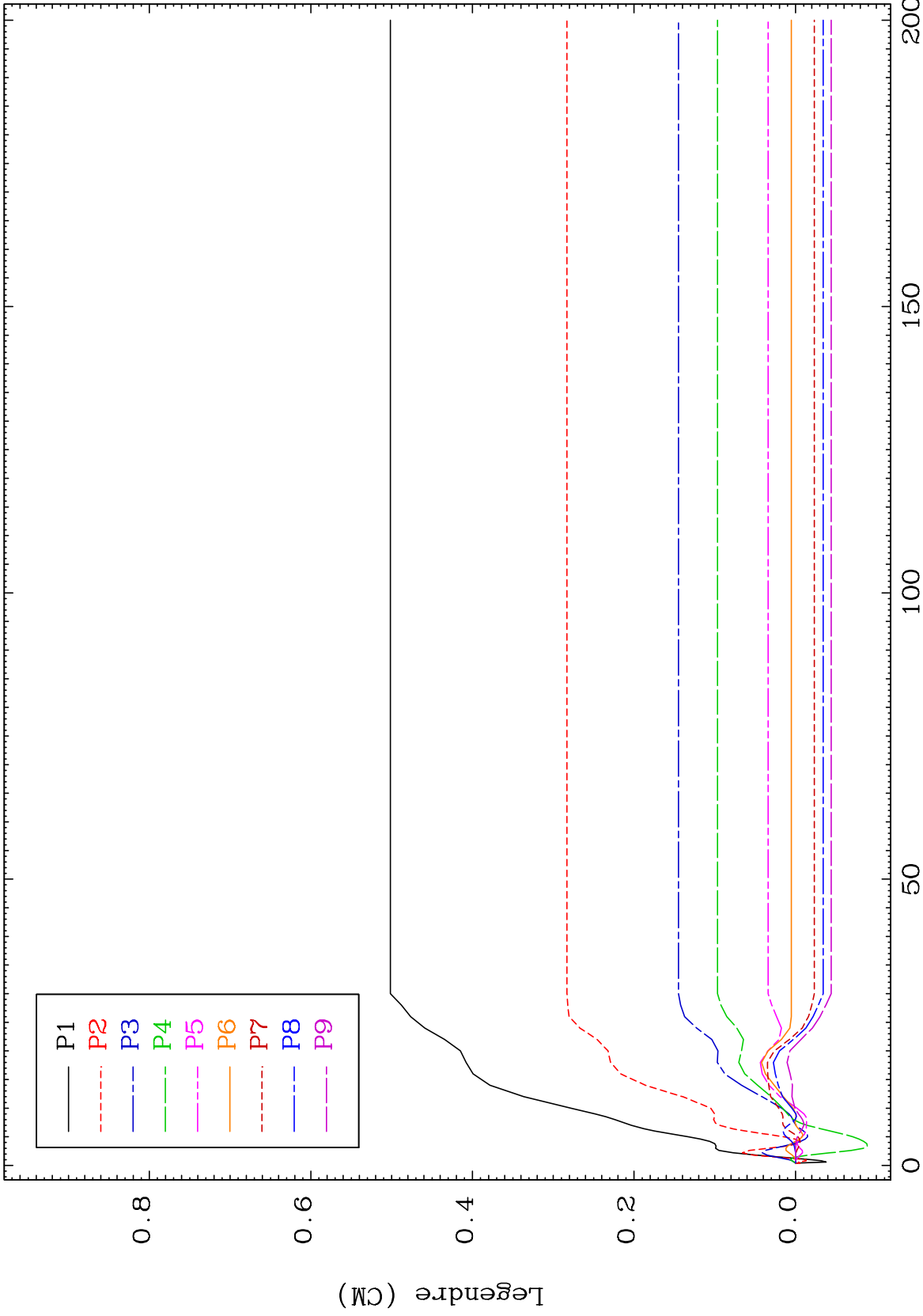
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



40

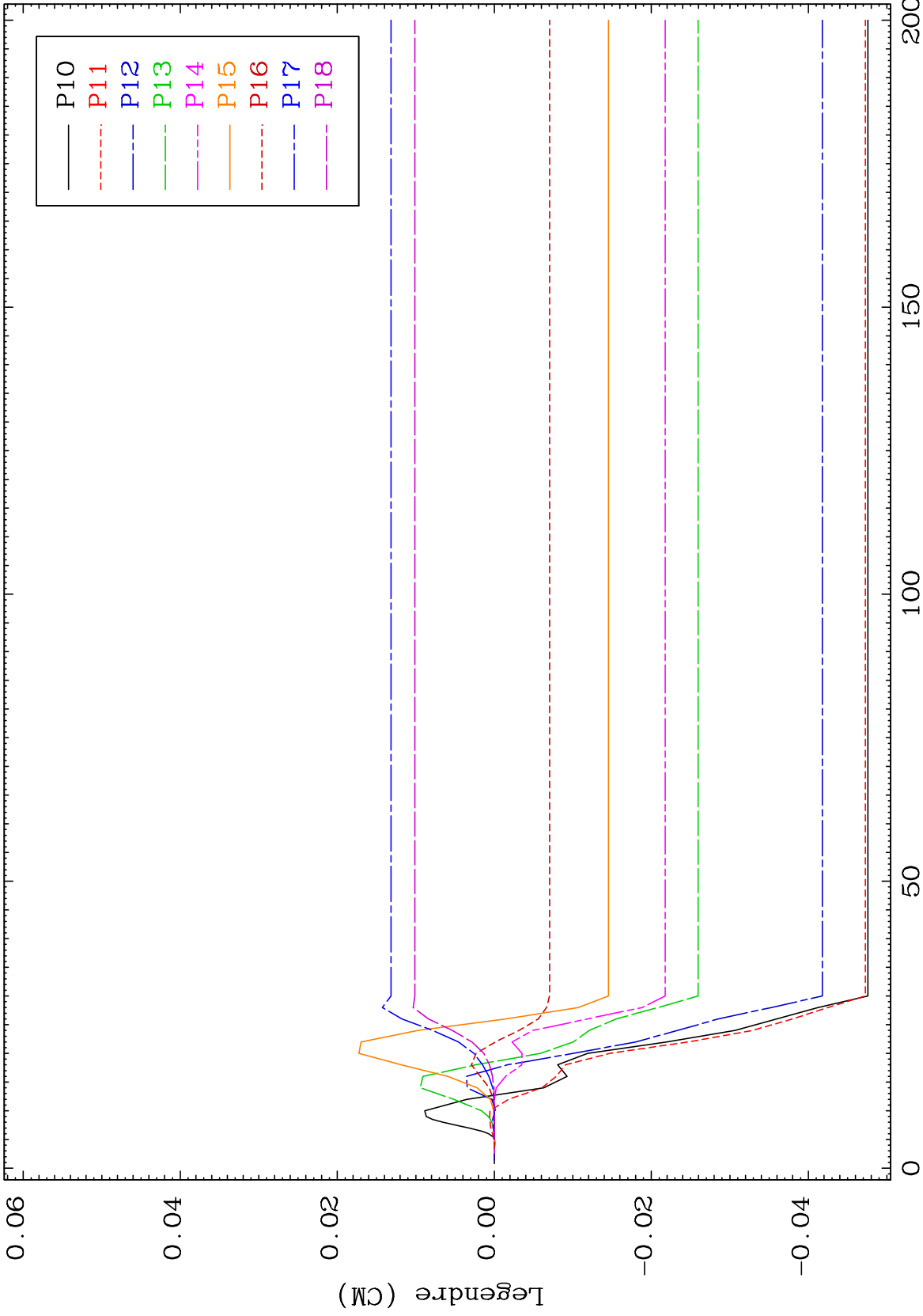
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



41

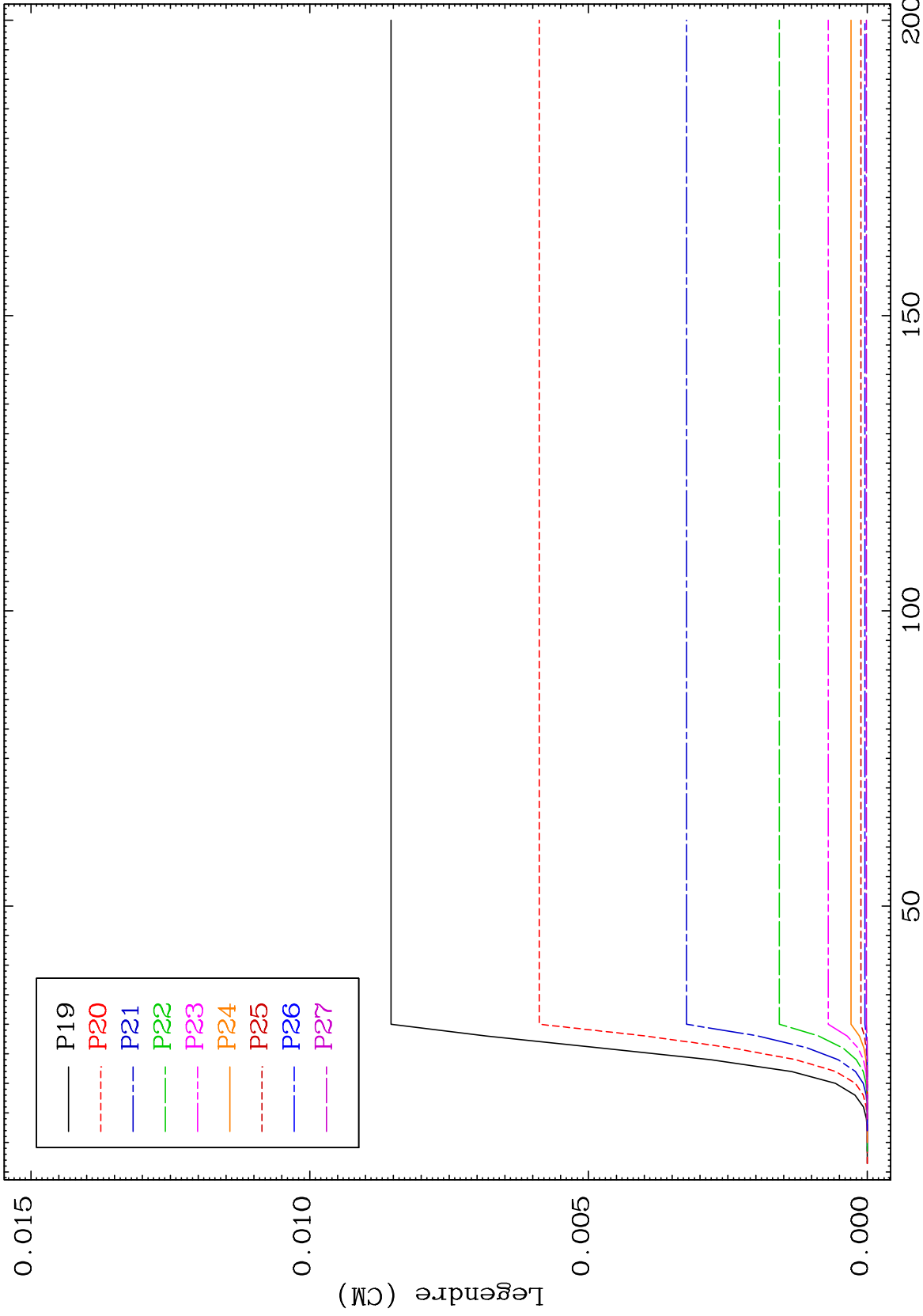
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



42

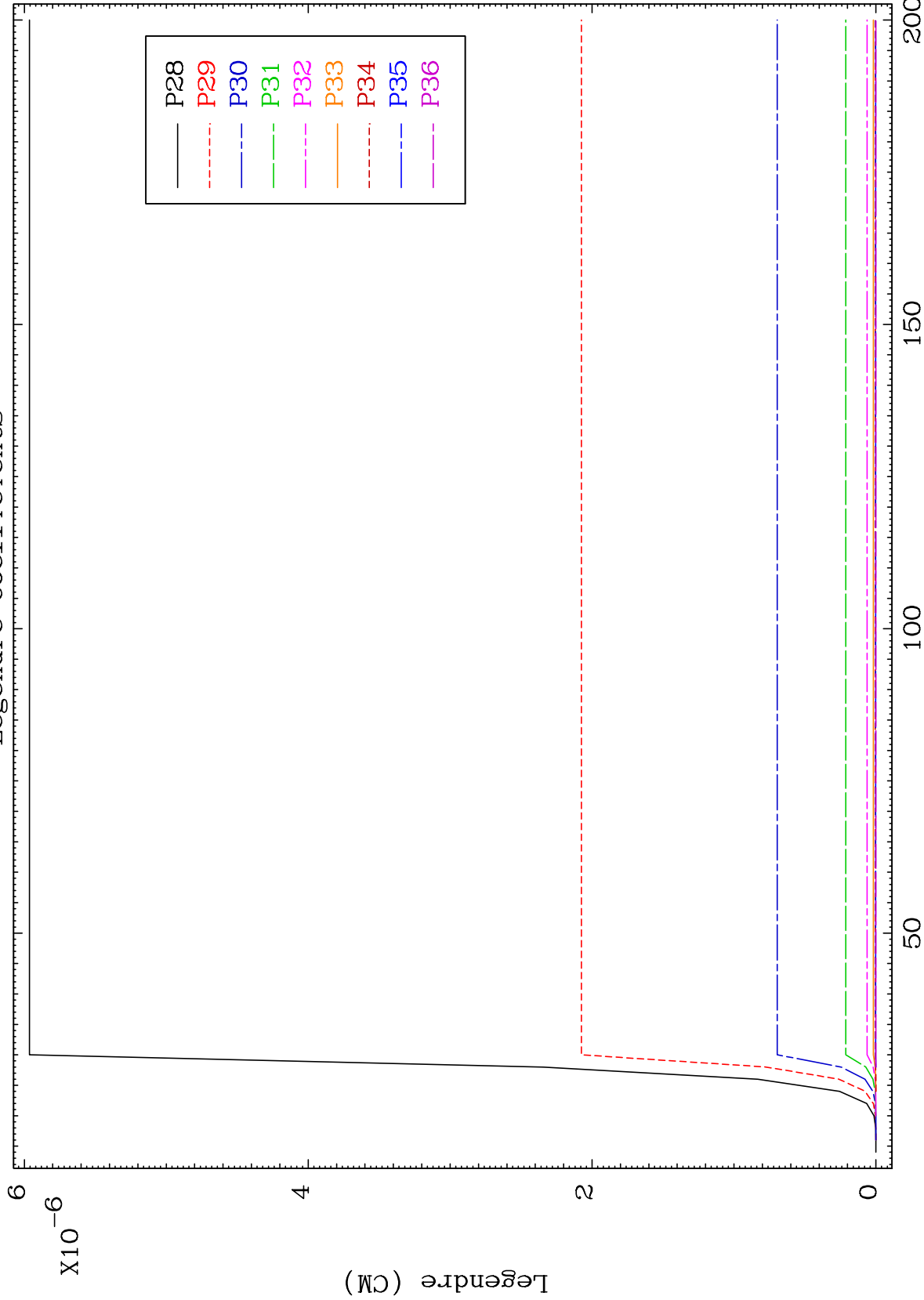
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



43

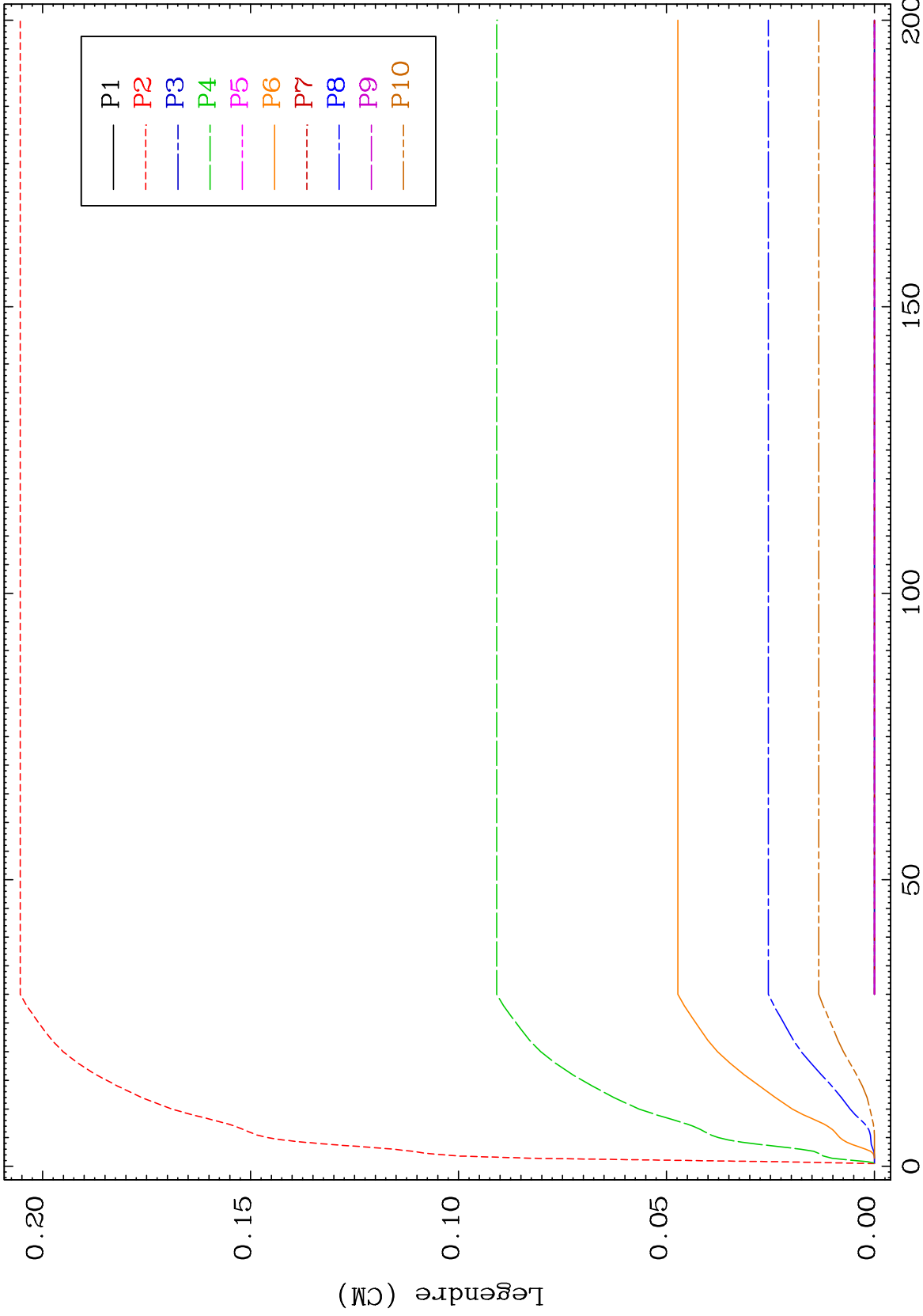
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133

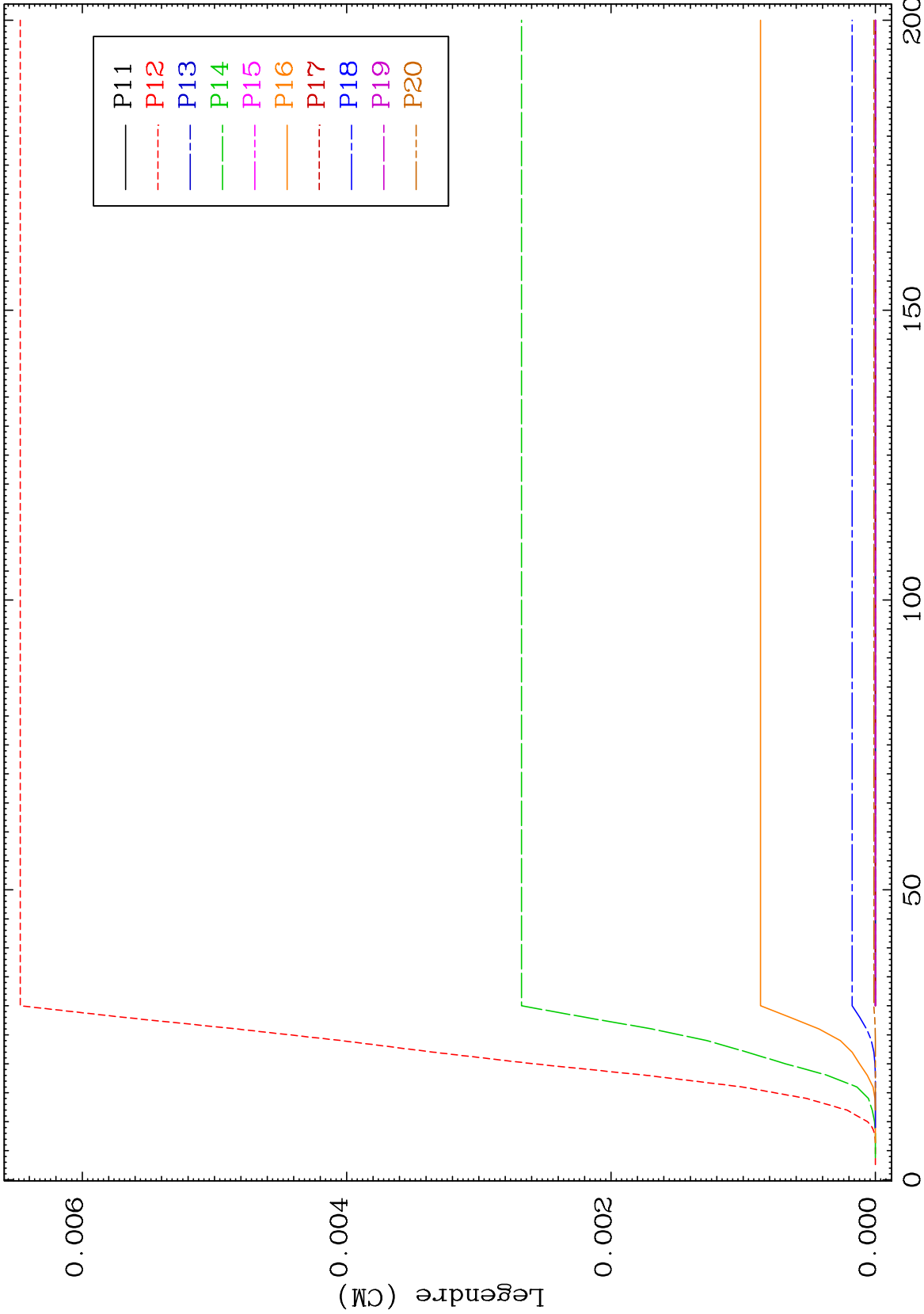


44

MAT 5816

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

58-Ce-133



45

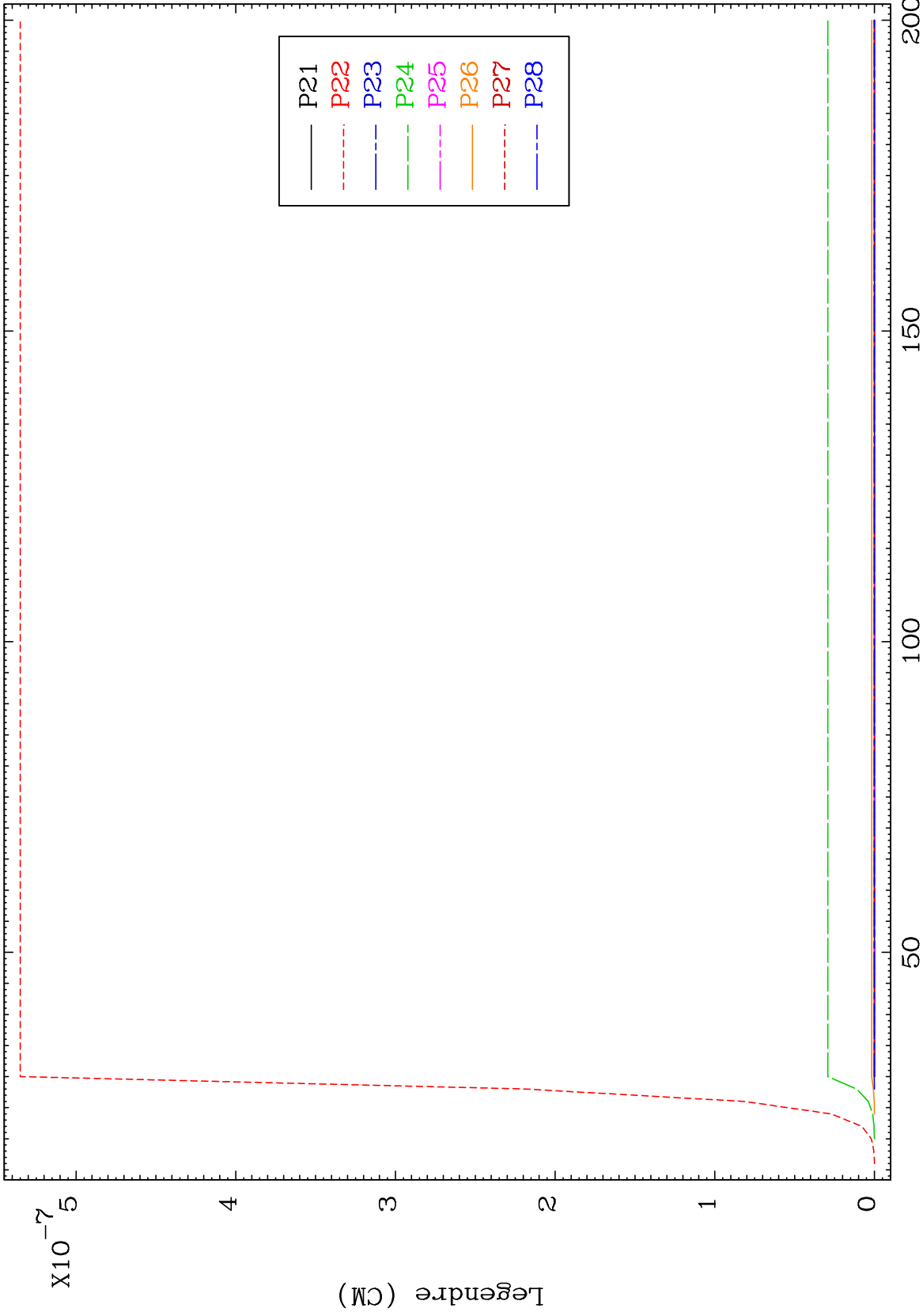
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



46

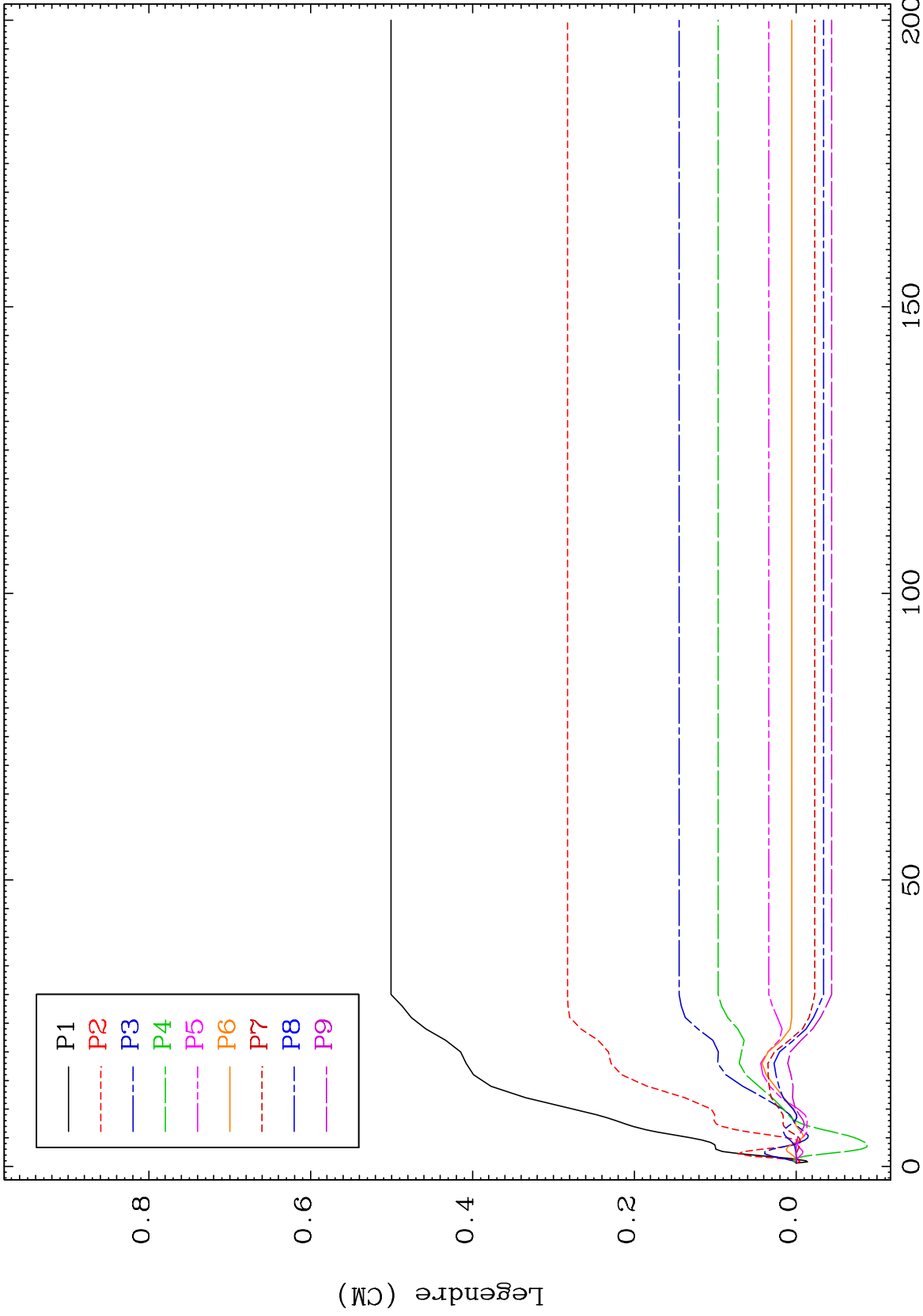
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



47

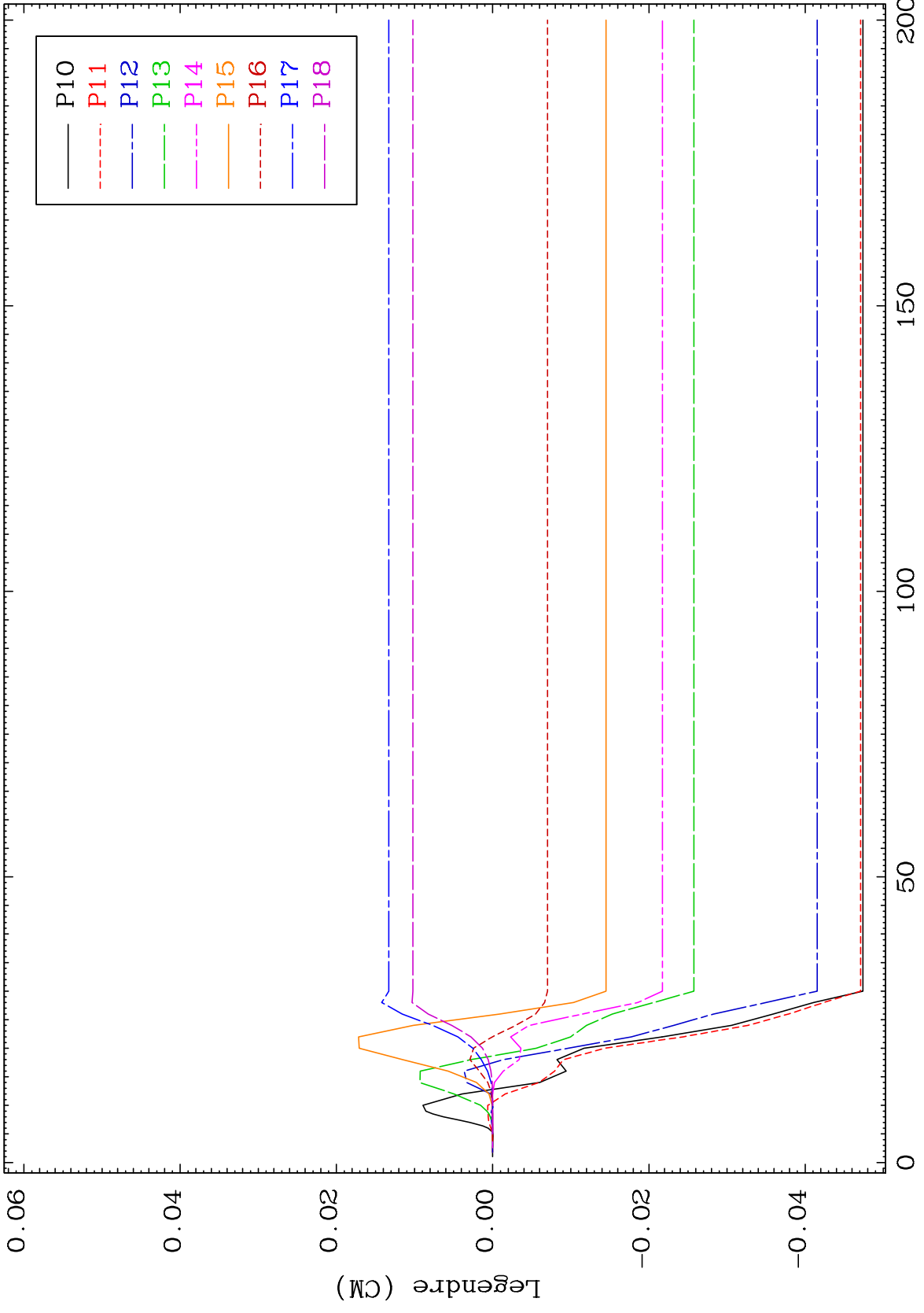
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



48

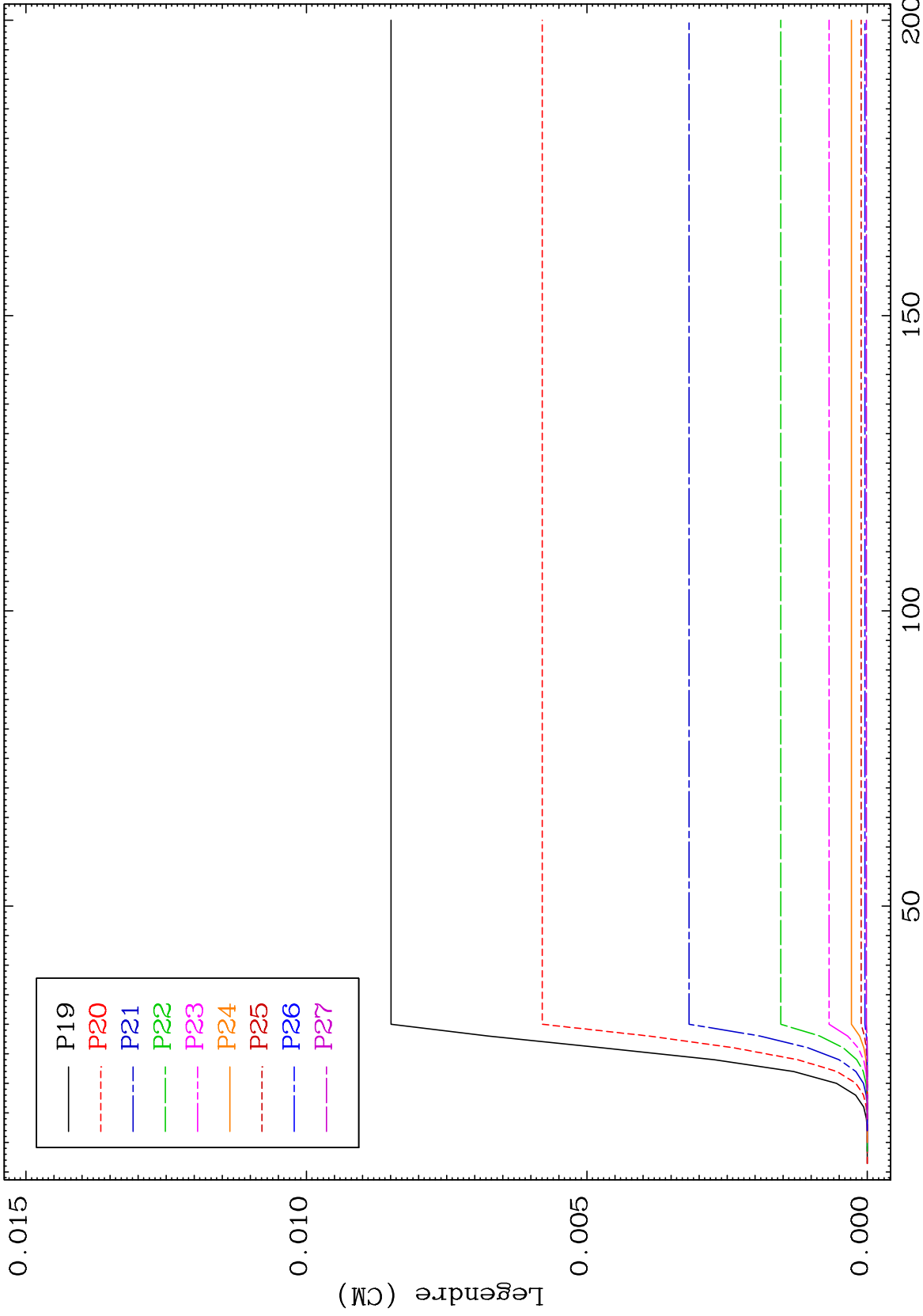
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



49

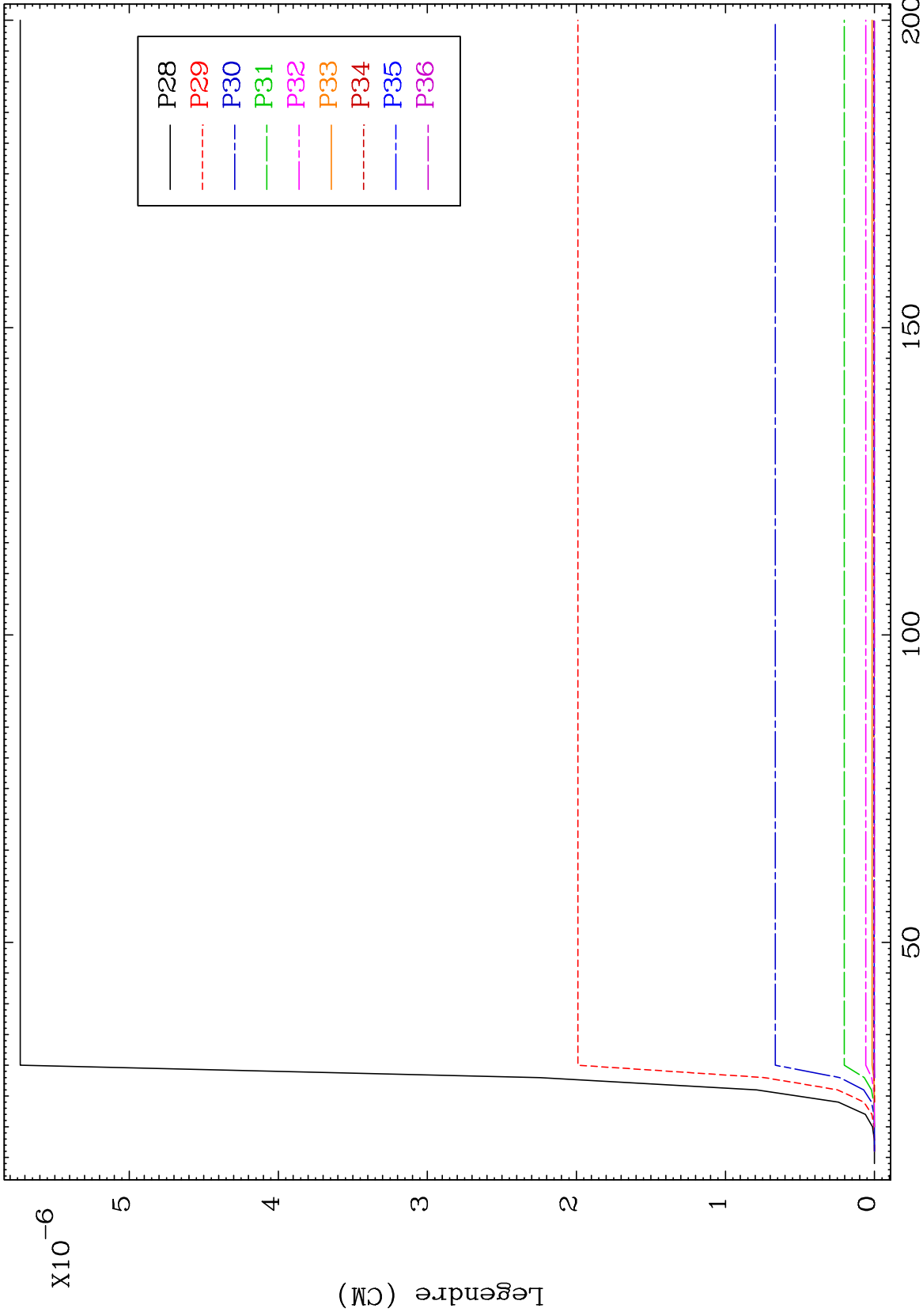
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



50

50

100

150

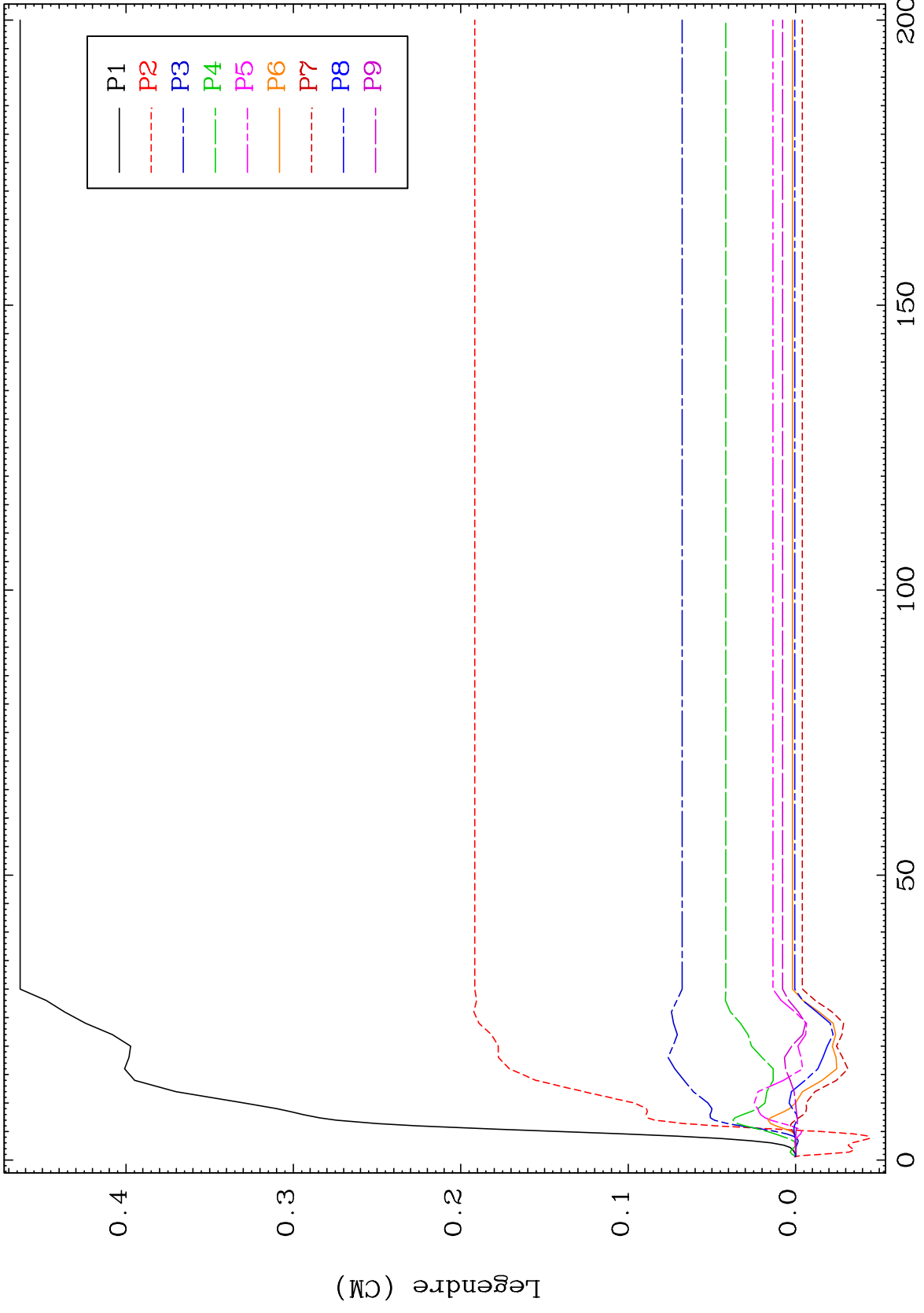
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58-Ce-133

MAT 5816

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

58-Ce-133



51

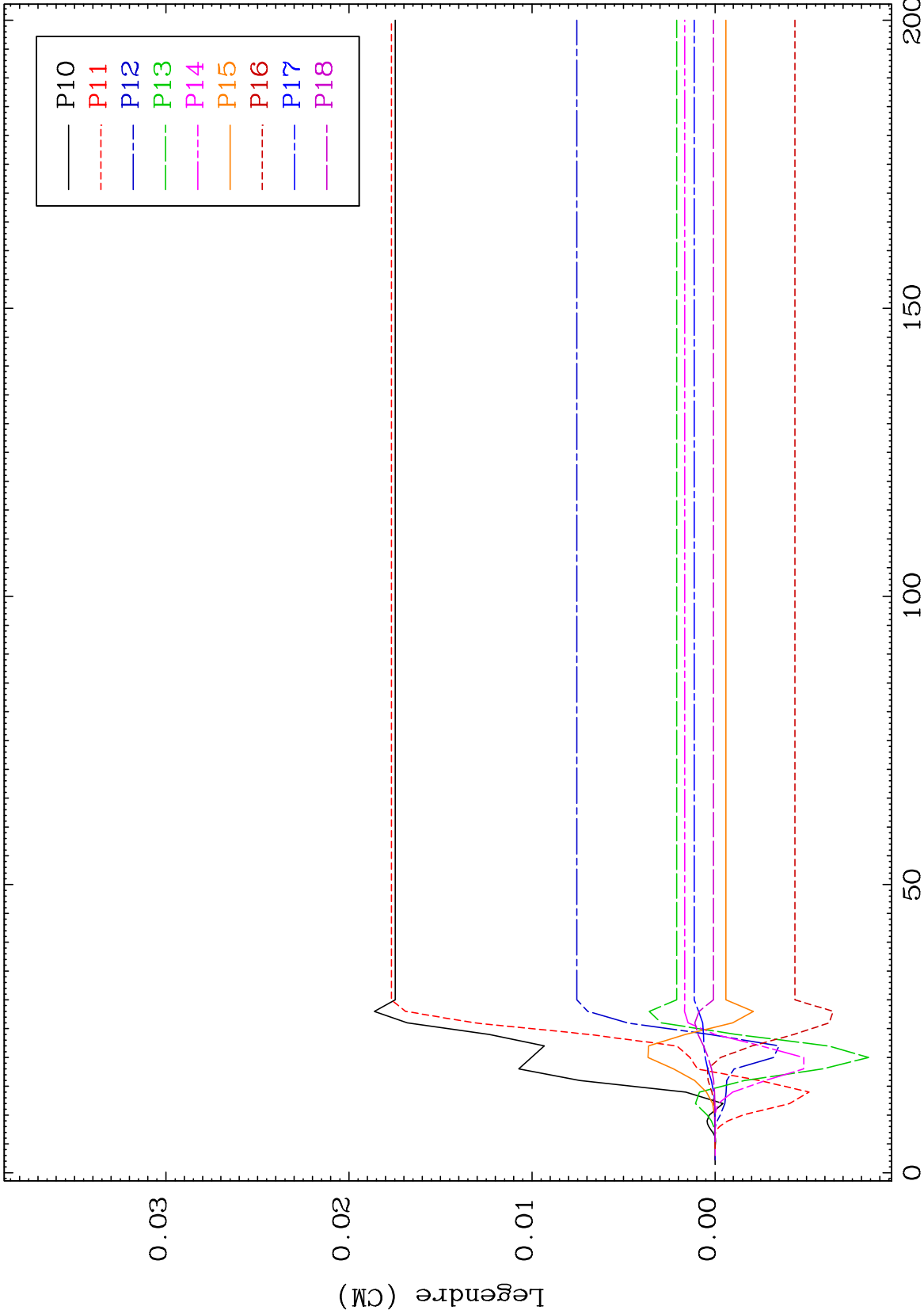
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



52

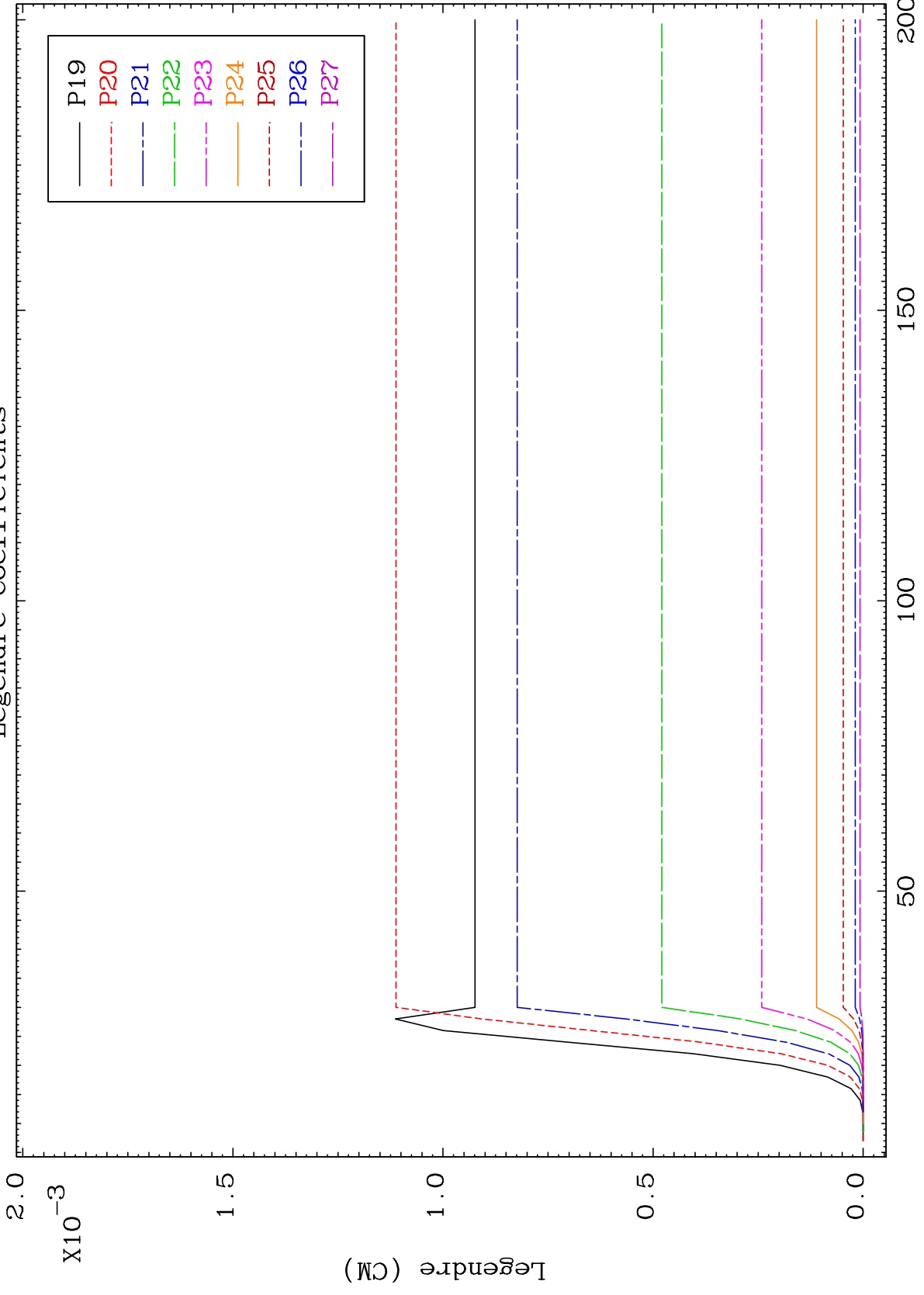
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



53

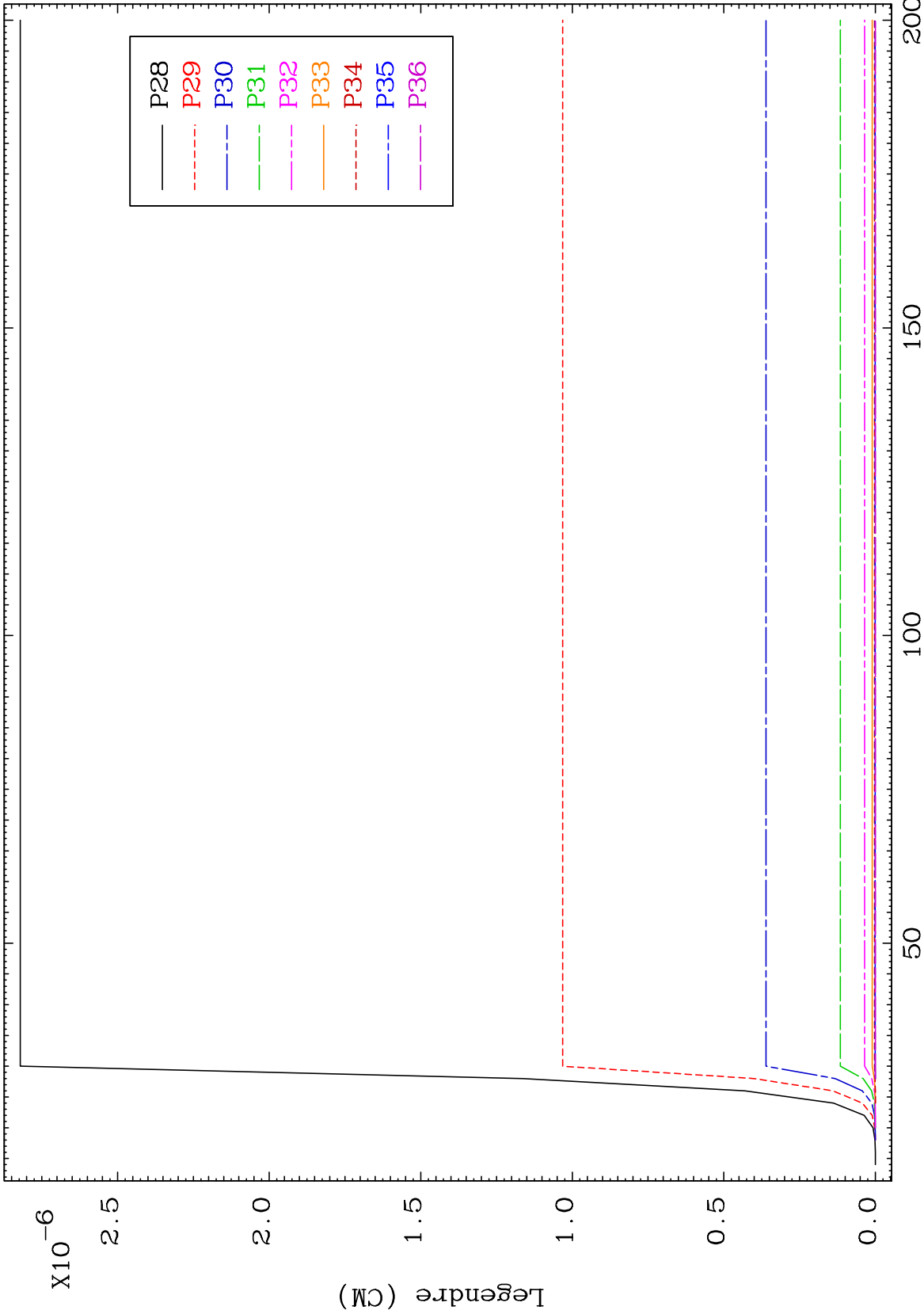
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



54

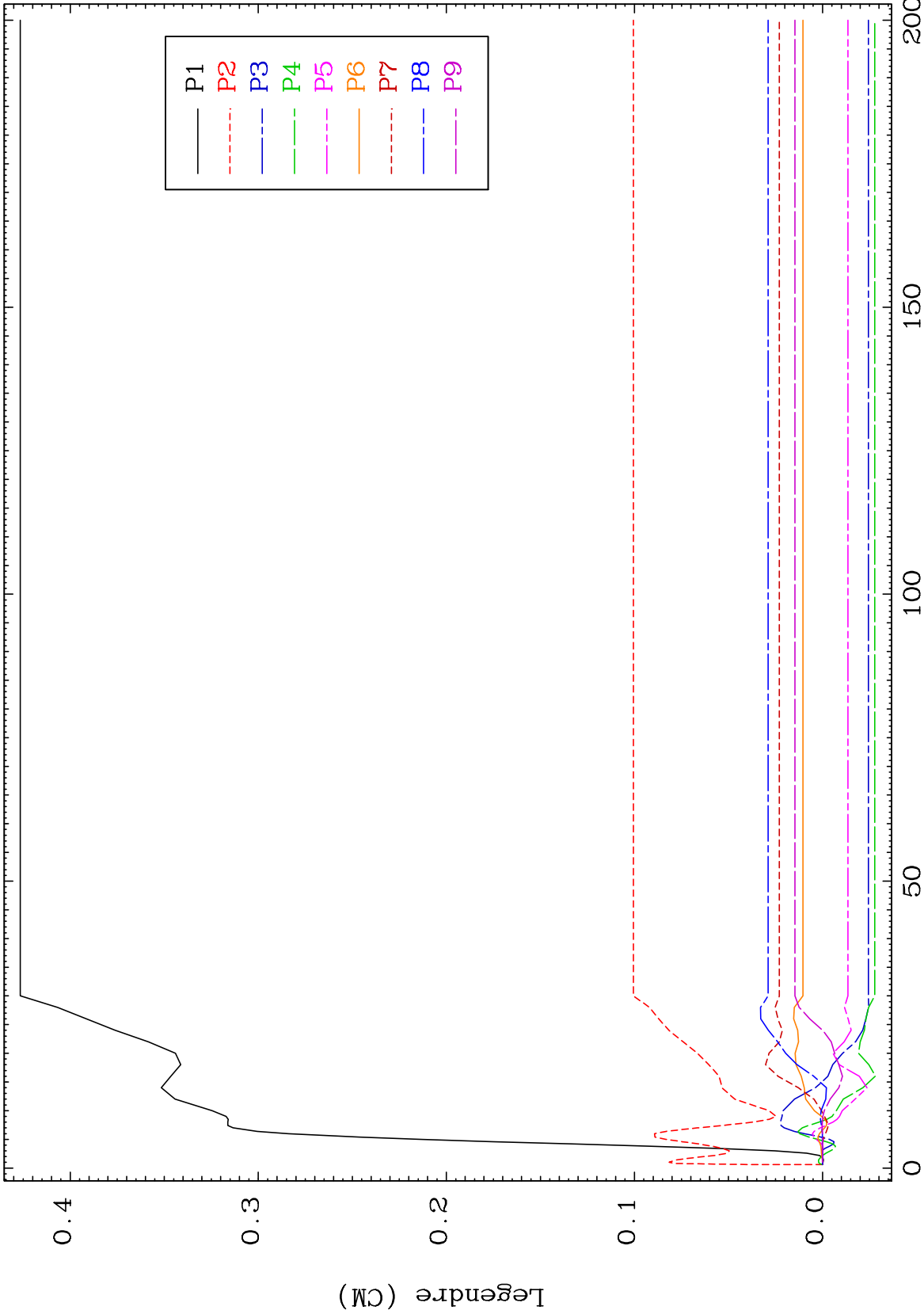
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133

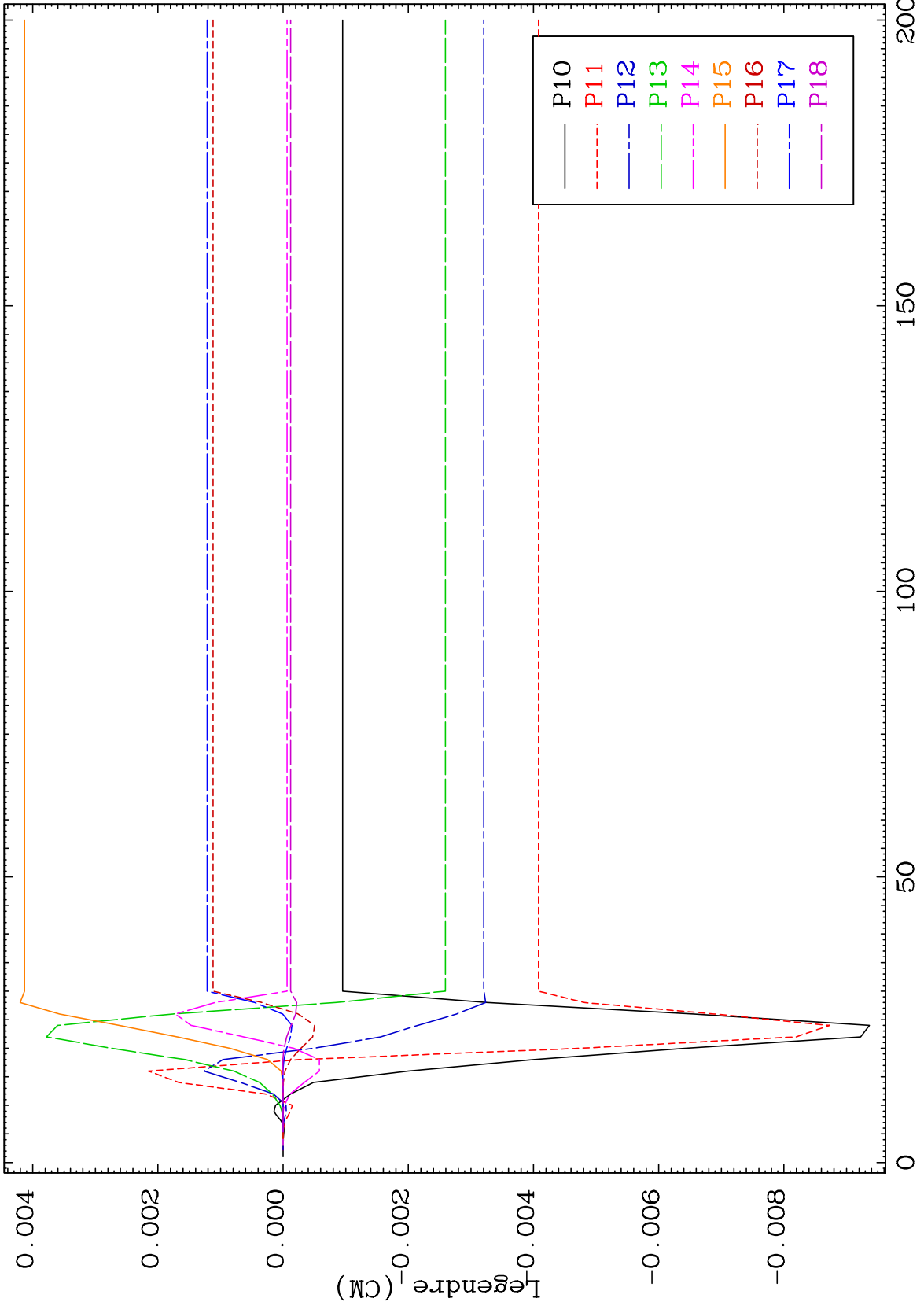


55

Incident Energy (MeV)

58-Ce-133

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

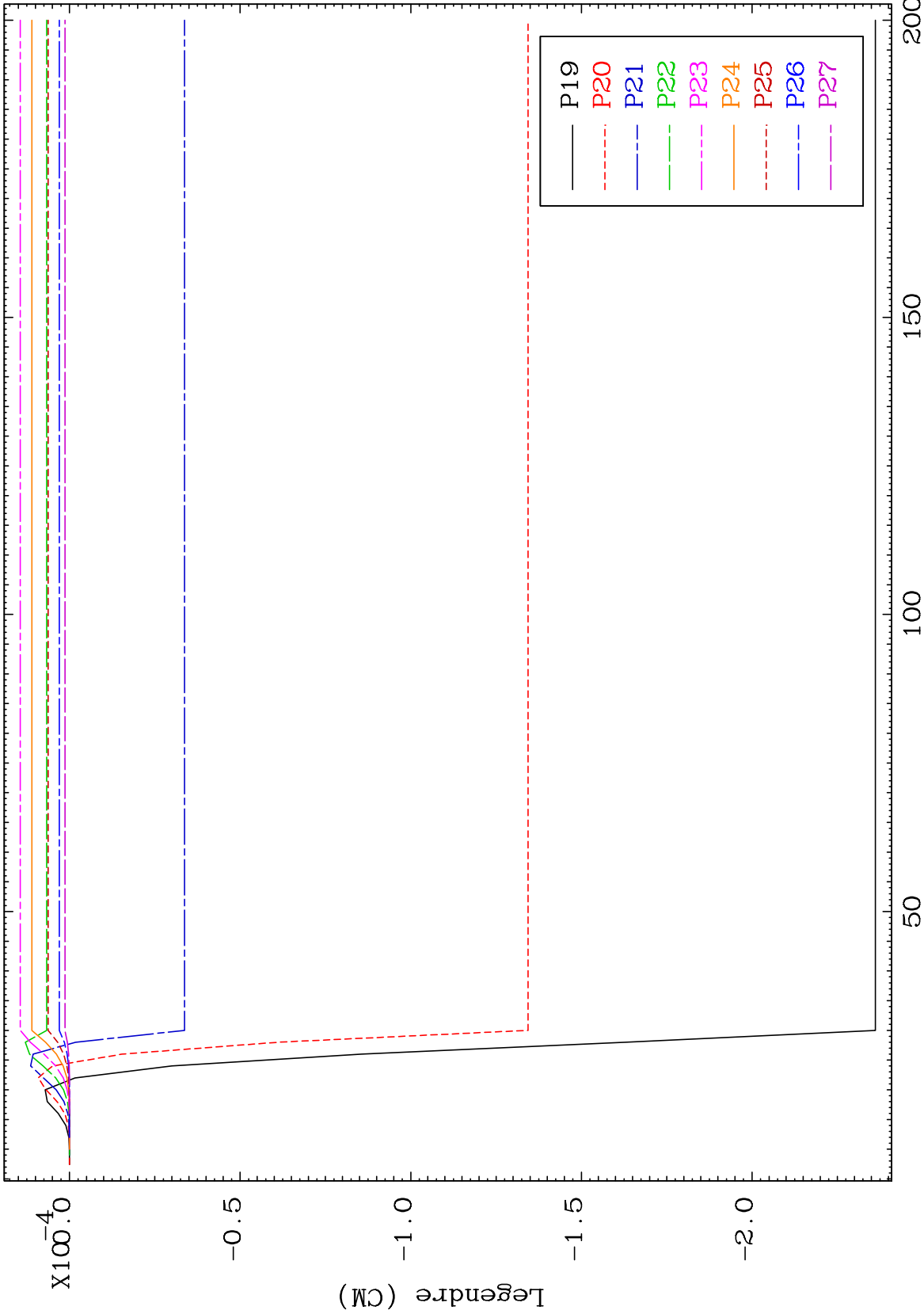


56 58-Ce-133

MAT 5816

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

58-Ce-133



57

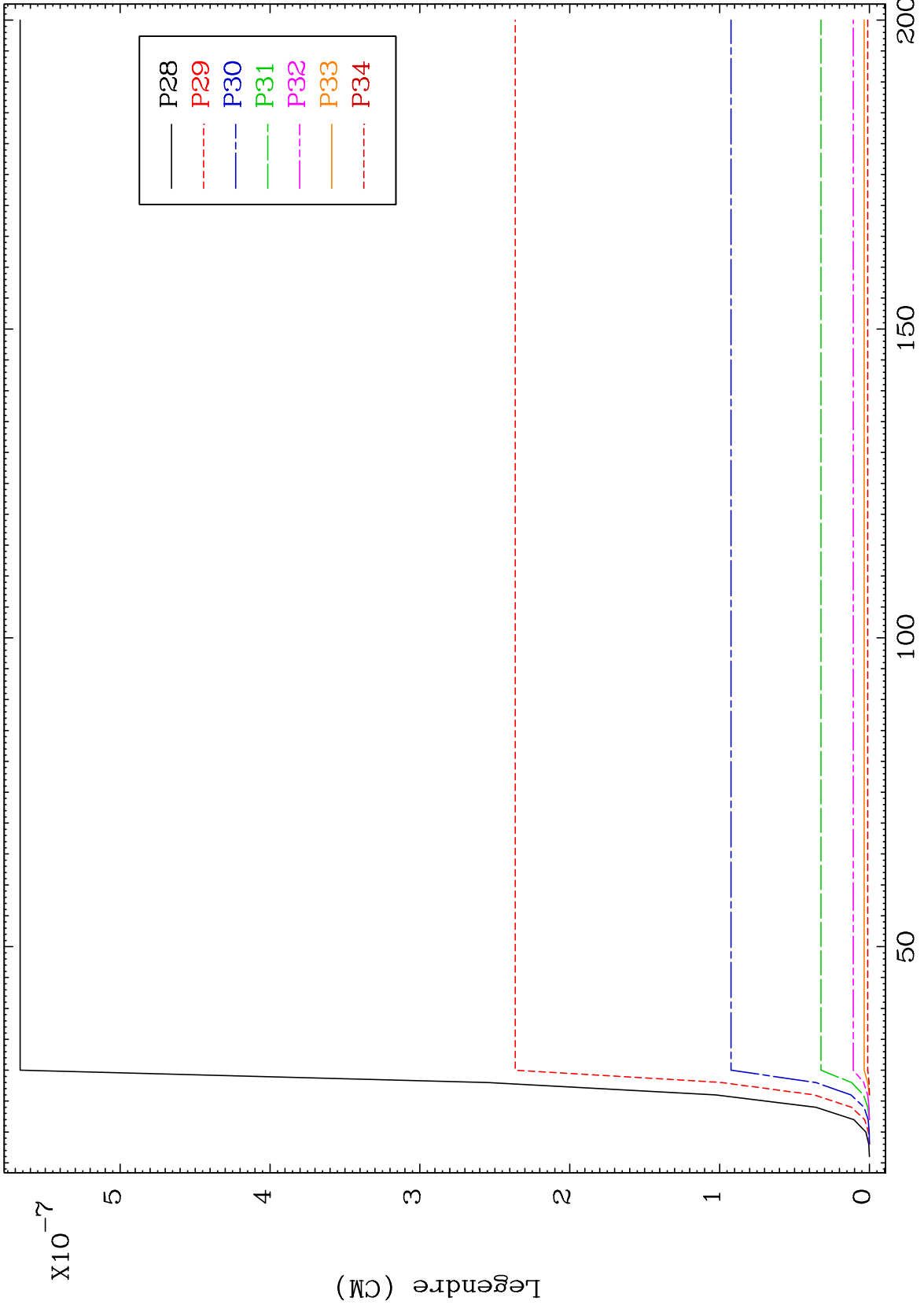
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



58

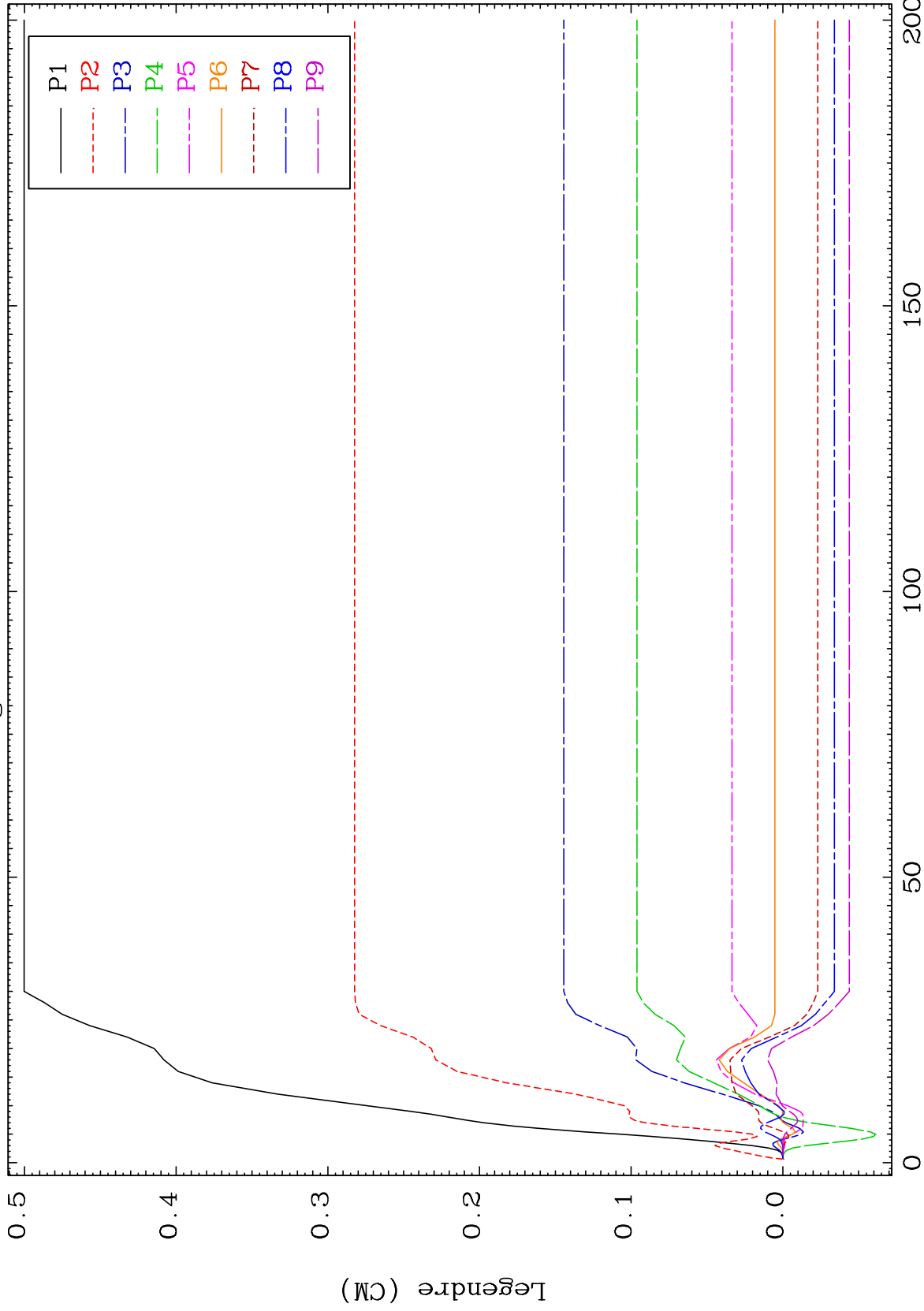
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133

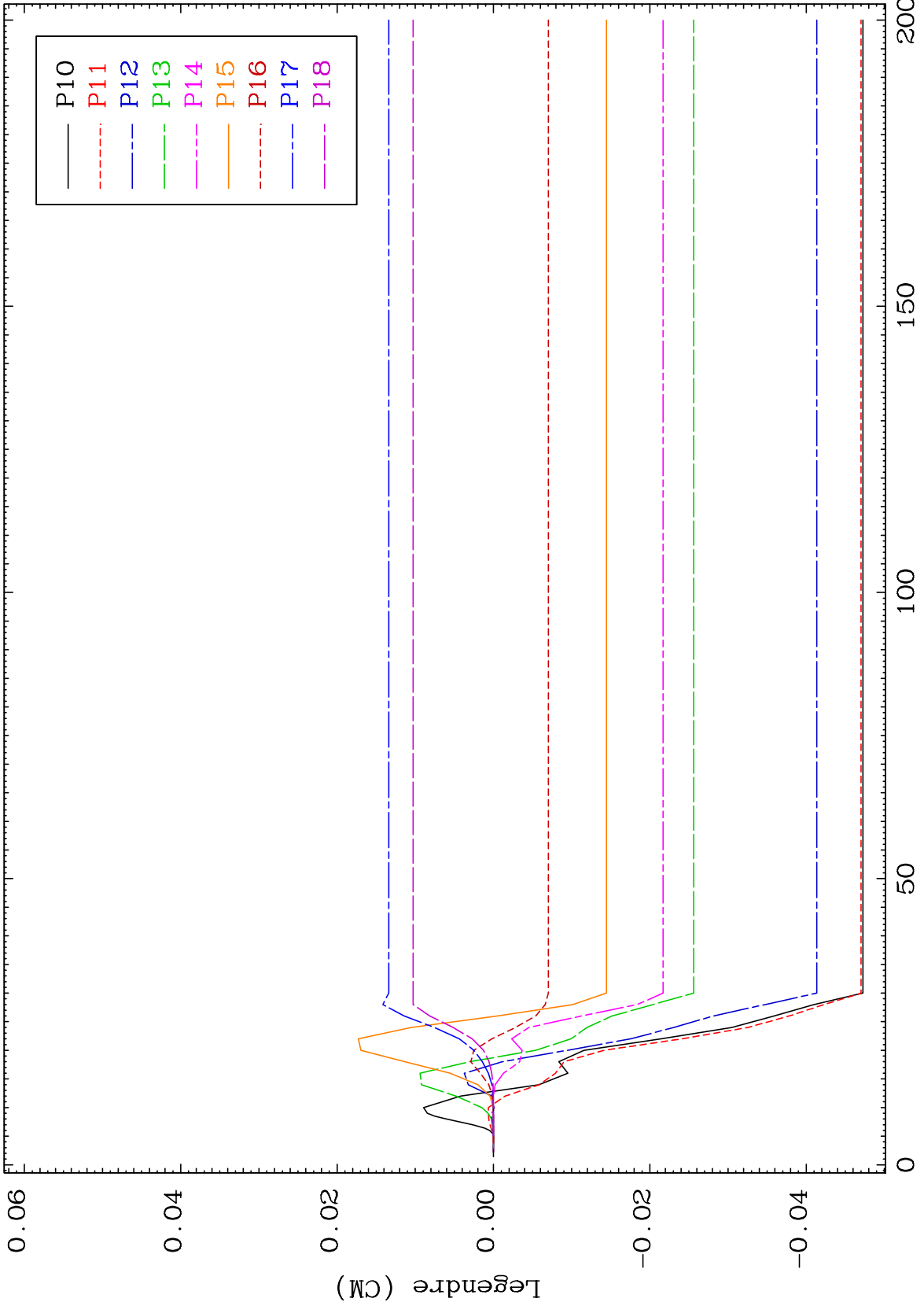


59

Incident Energy (MeV)

58-Ce-133

MAT 5816 MT= 61 (n,n') Level Legendre Coefficients 58-Ce-133

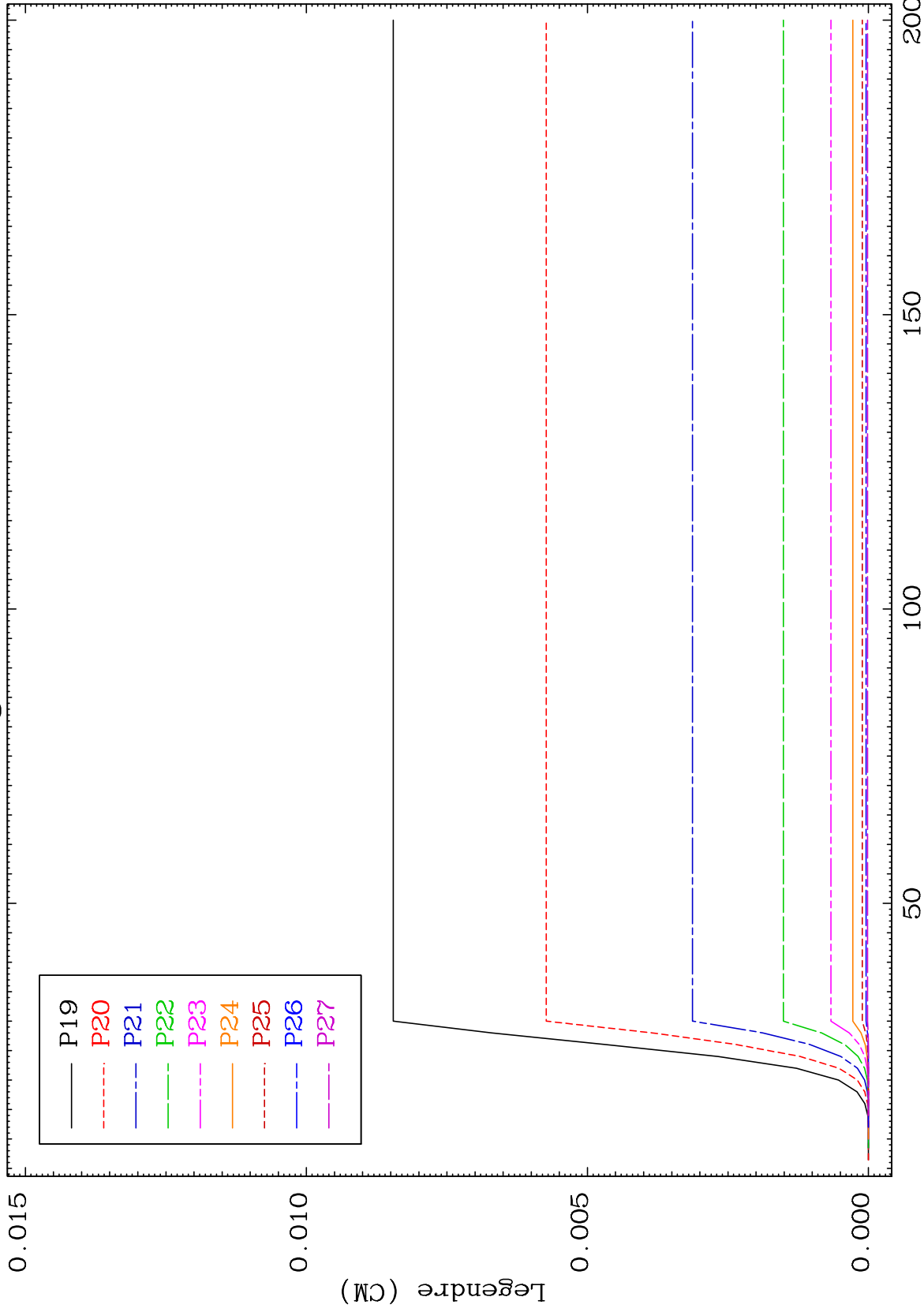


58-Ce-133

MAT 5816

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

58-Ce-133



61

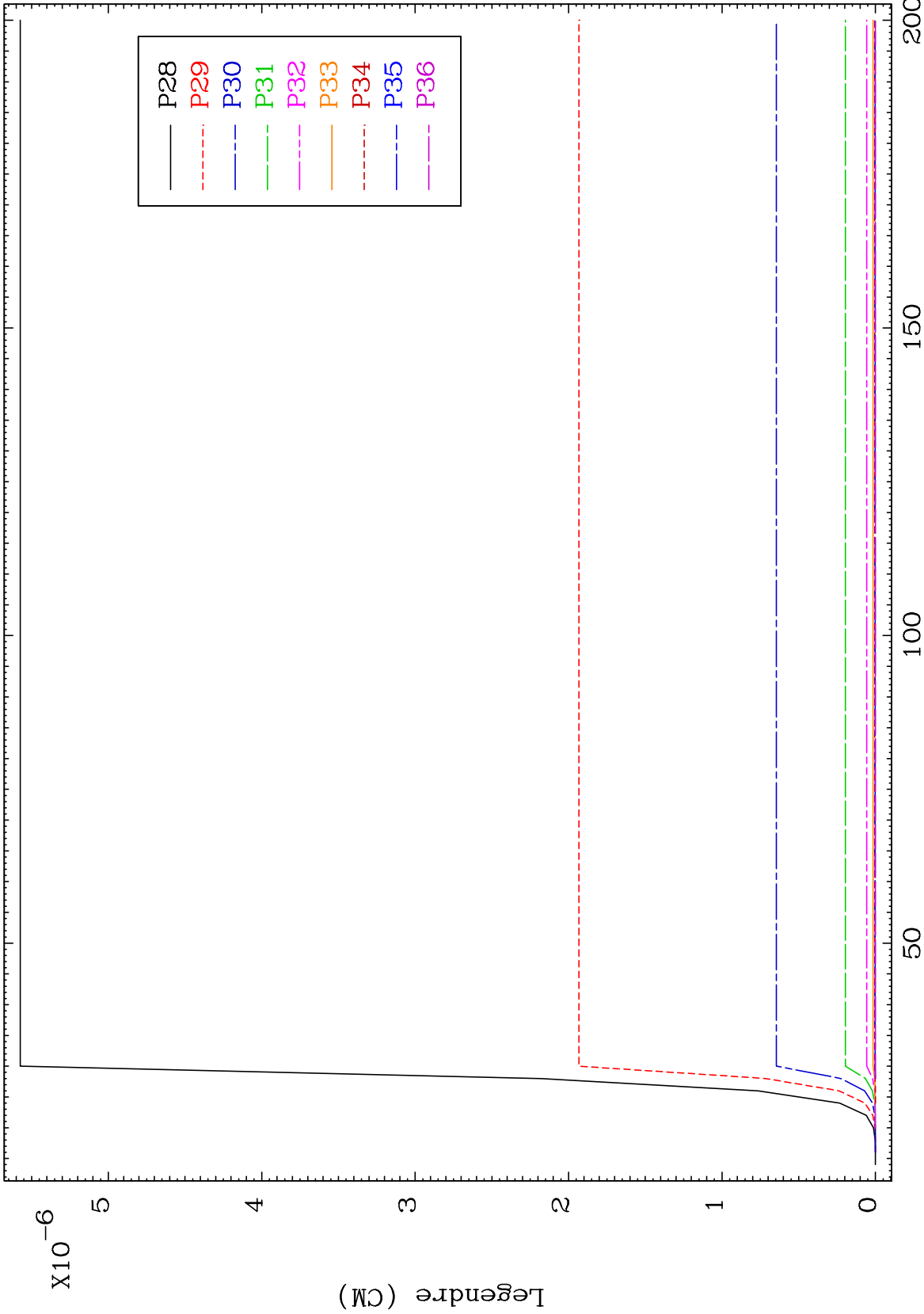
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



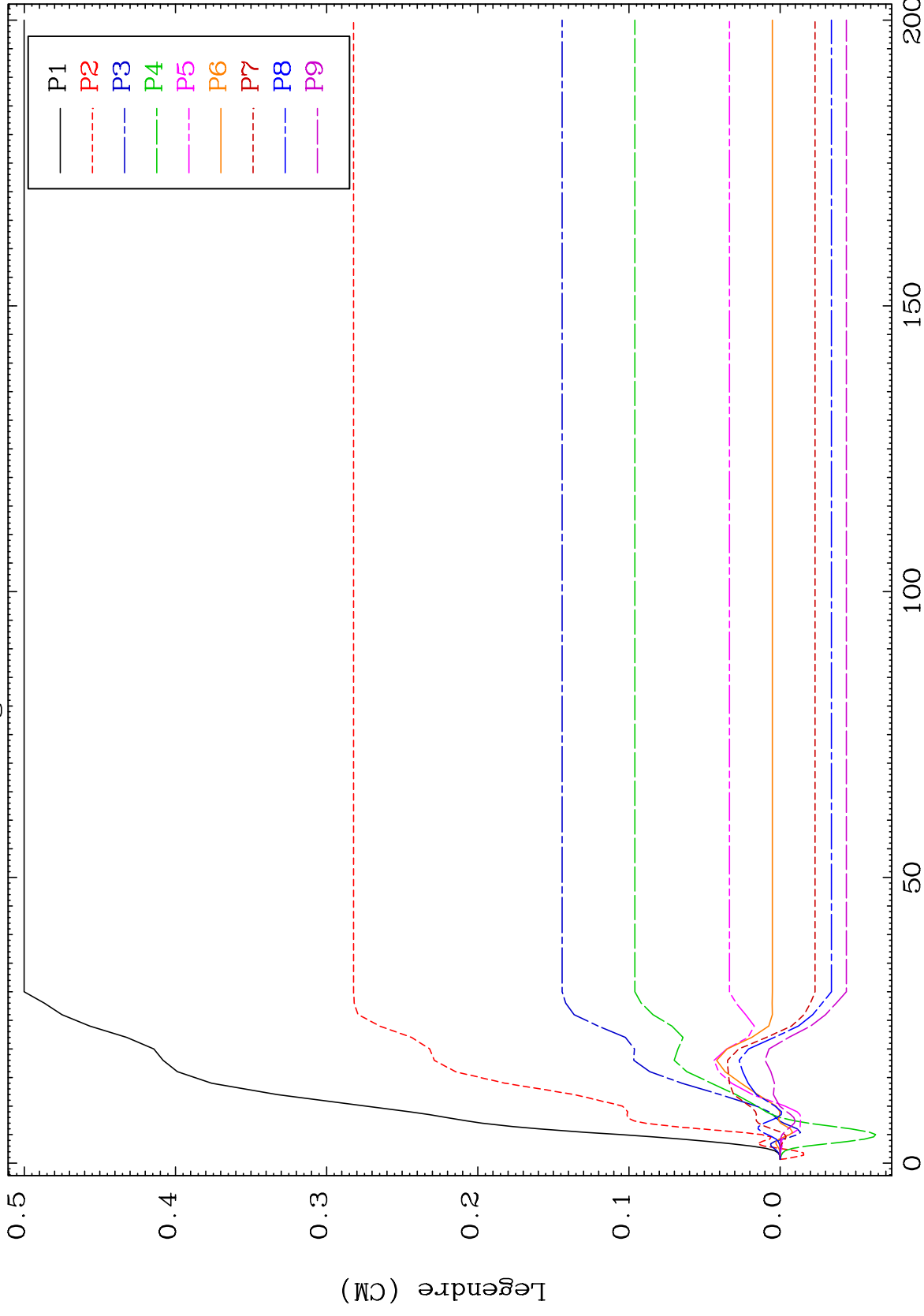
62

58-Ce-133

MAT 5816

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

58-Ce-133



63

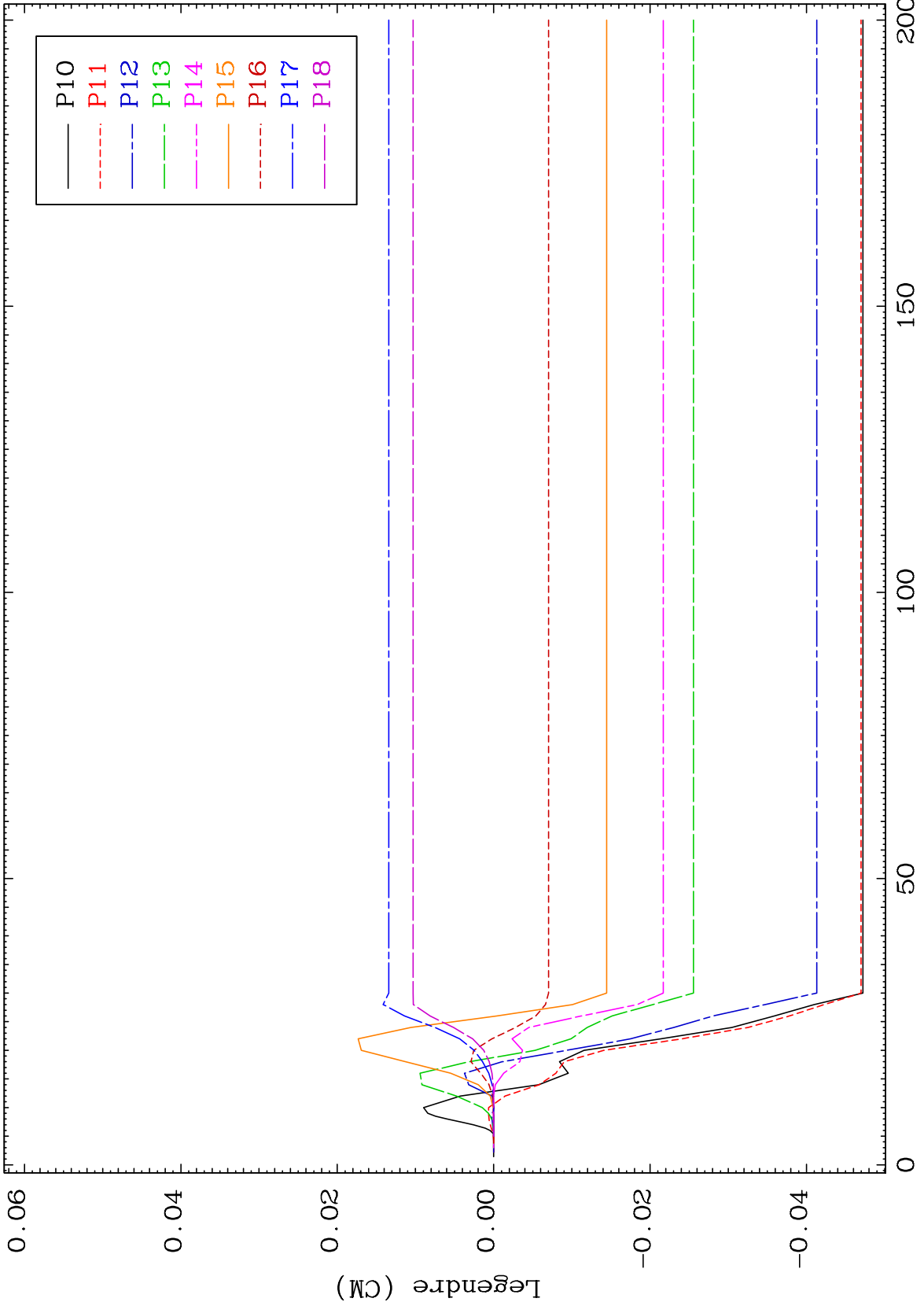
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



64

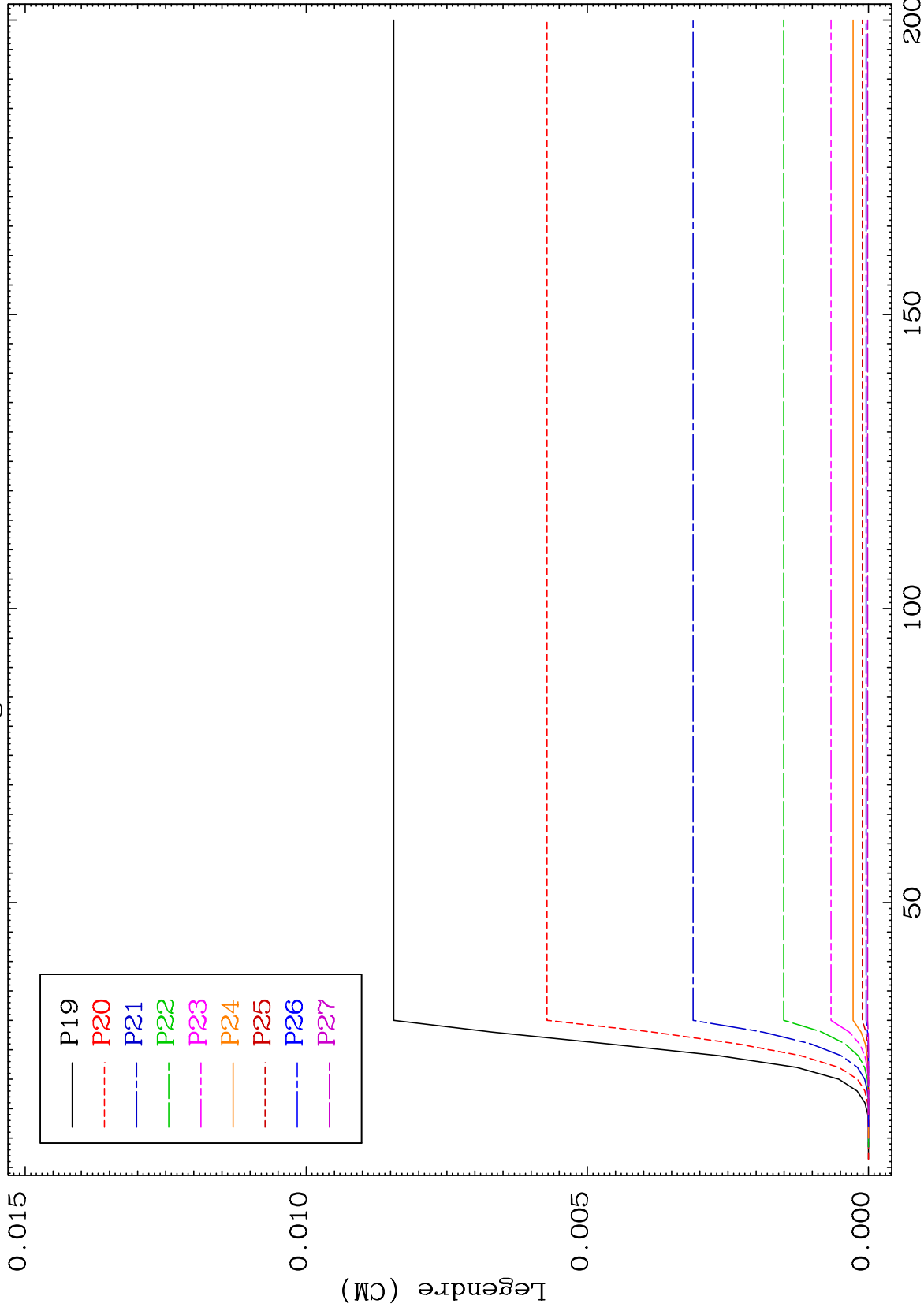
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



65

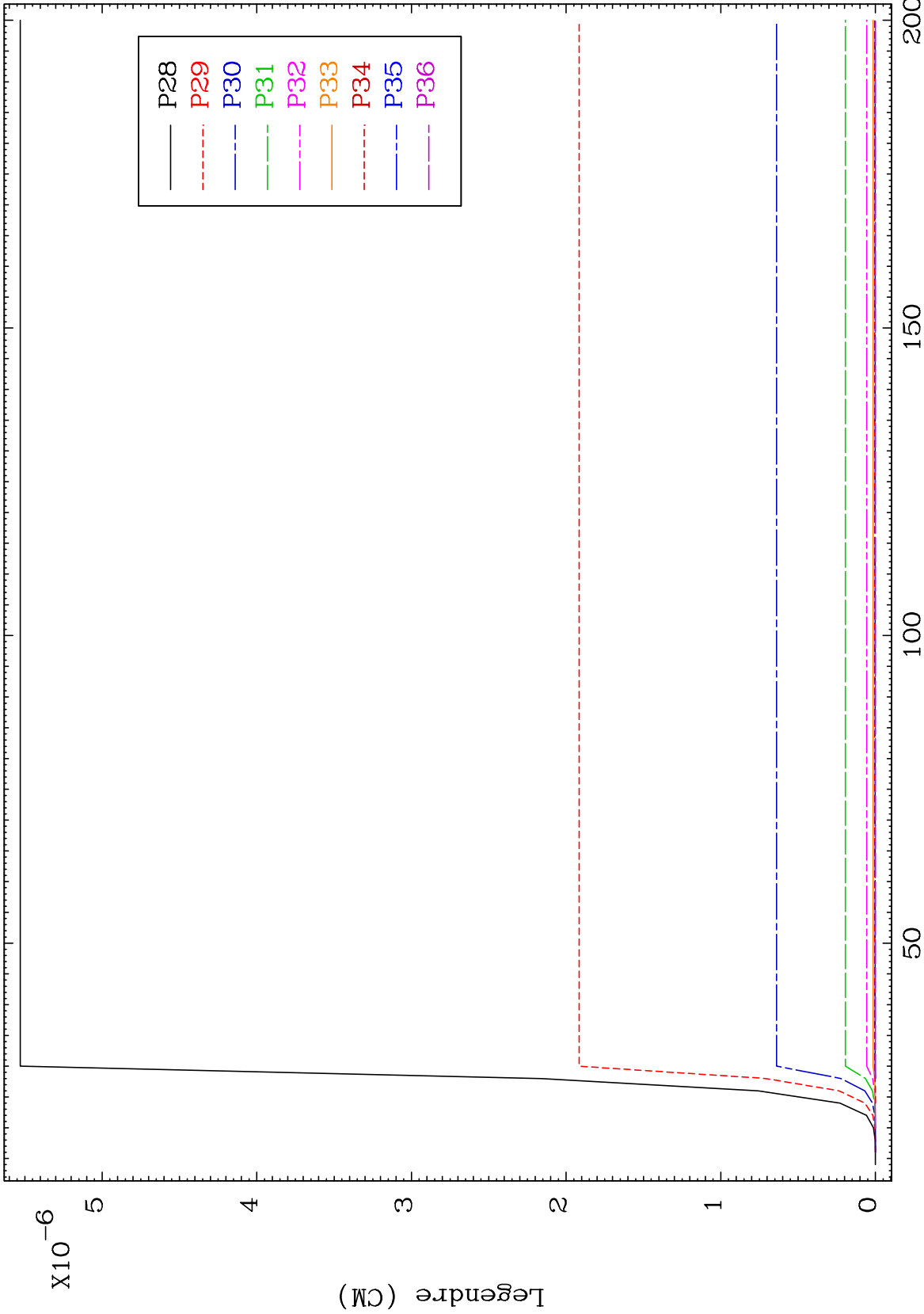
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



66

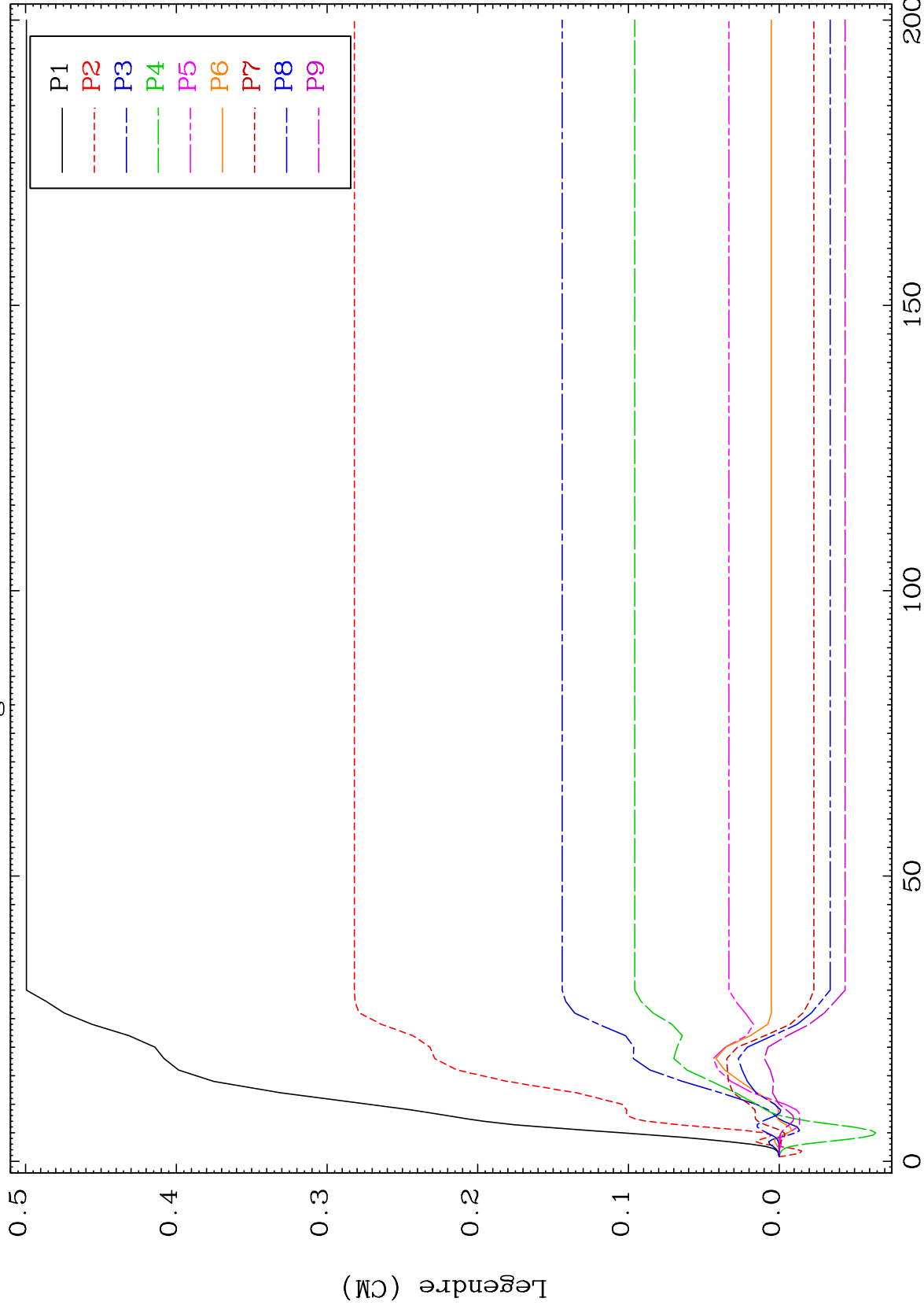
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



67

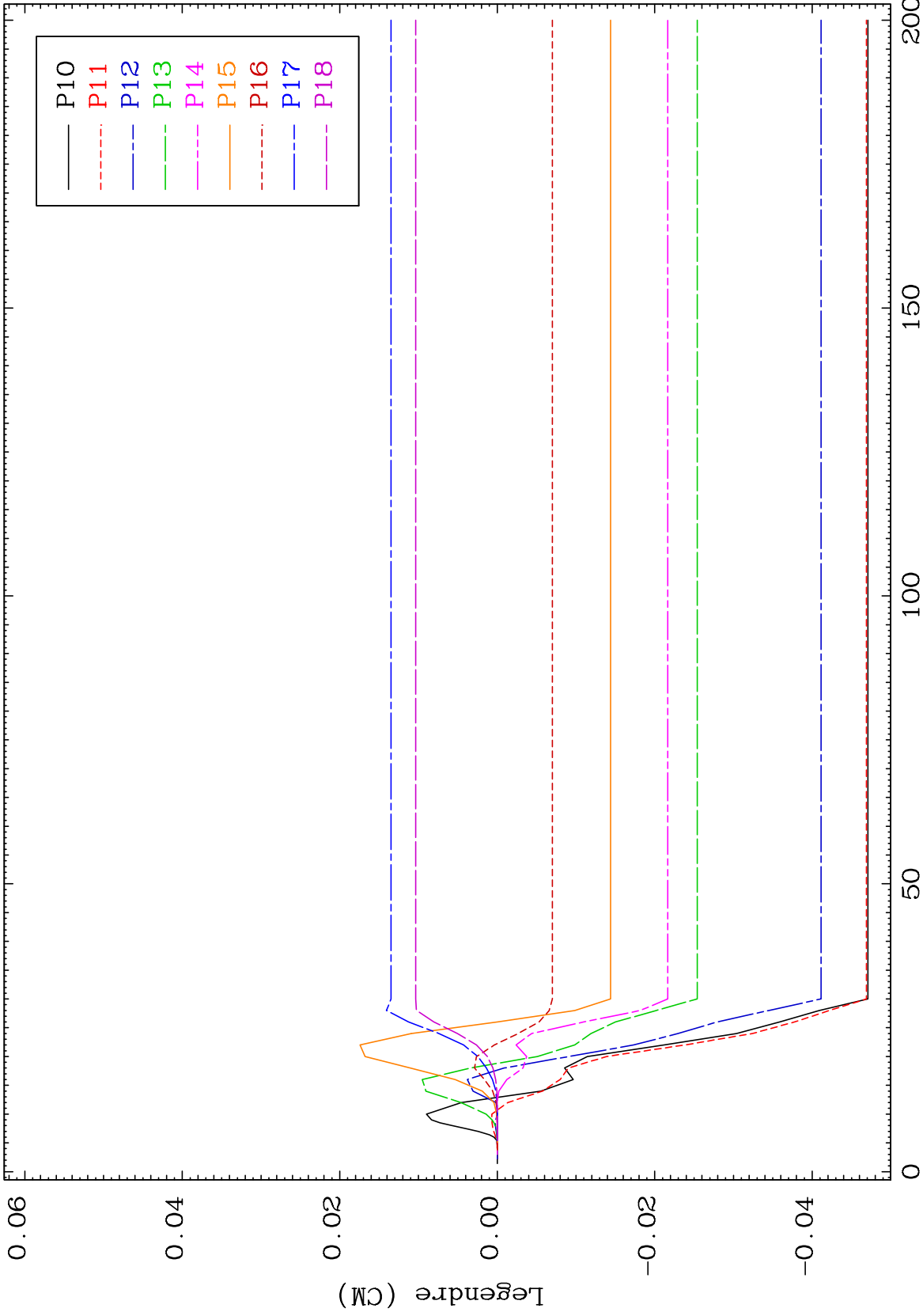
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



68

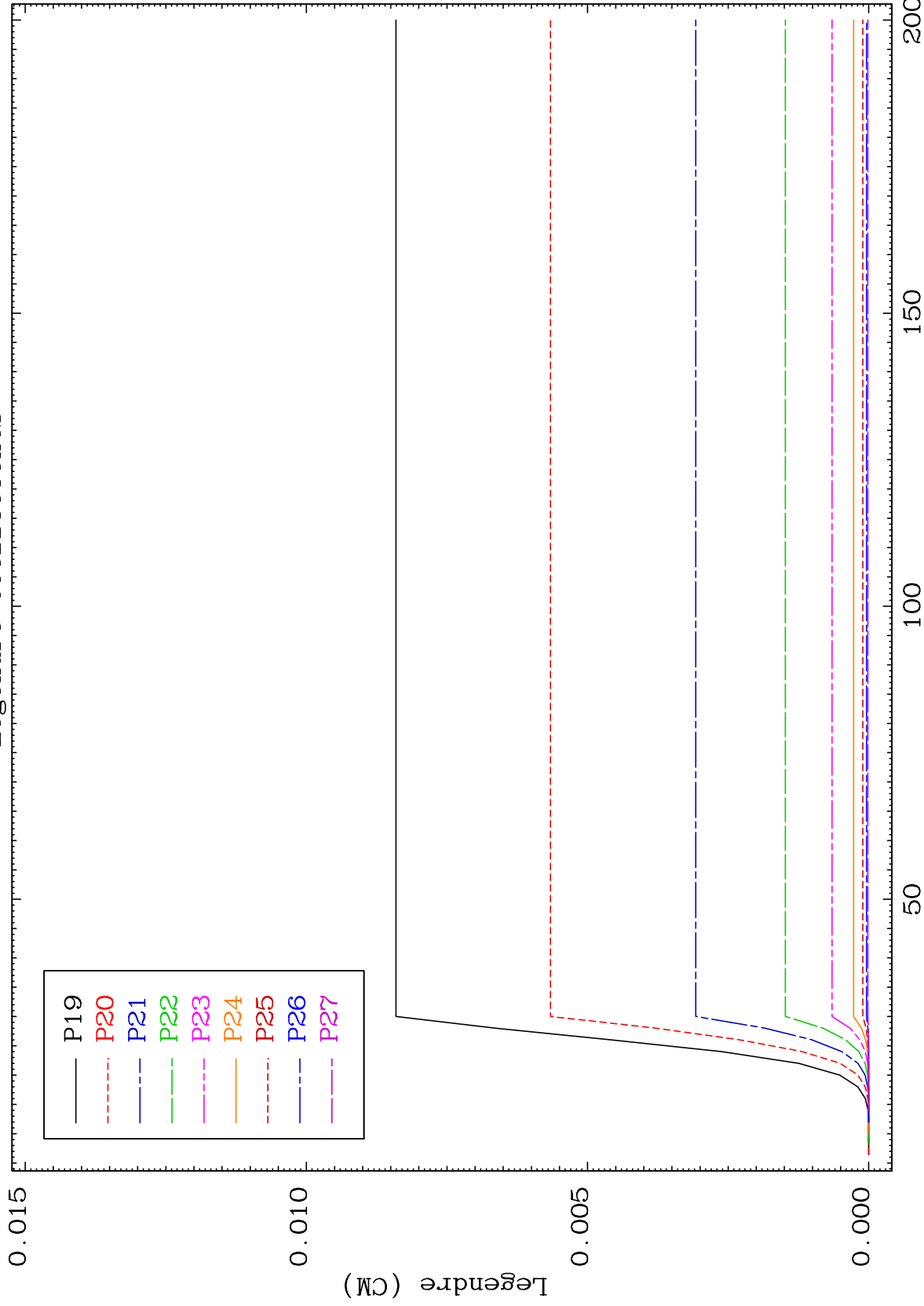
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



69

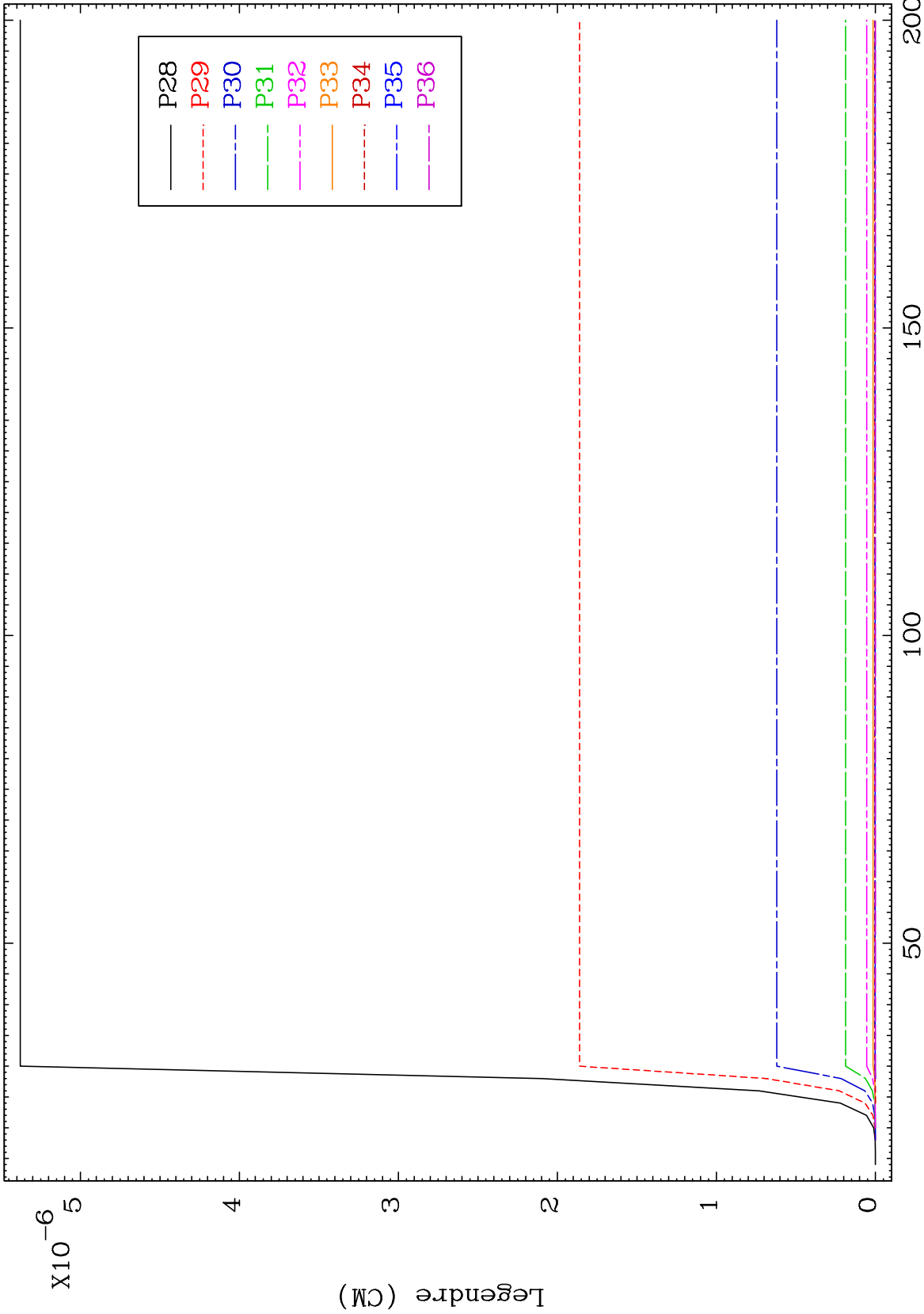
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



70

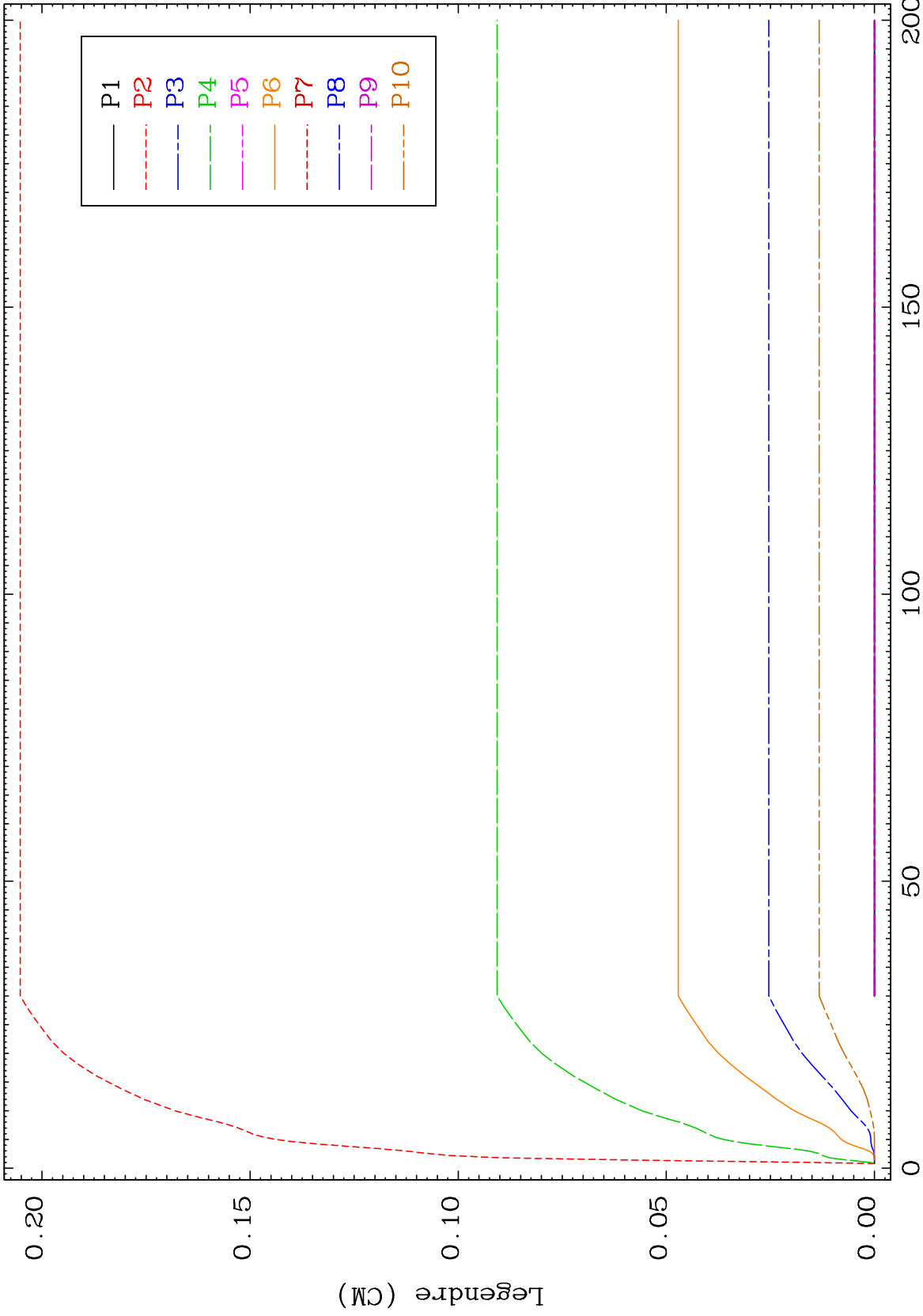
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



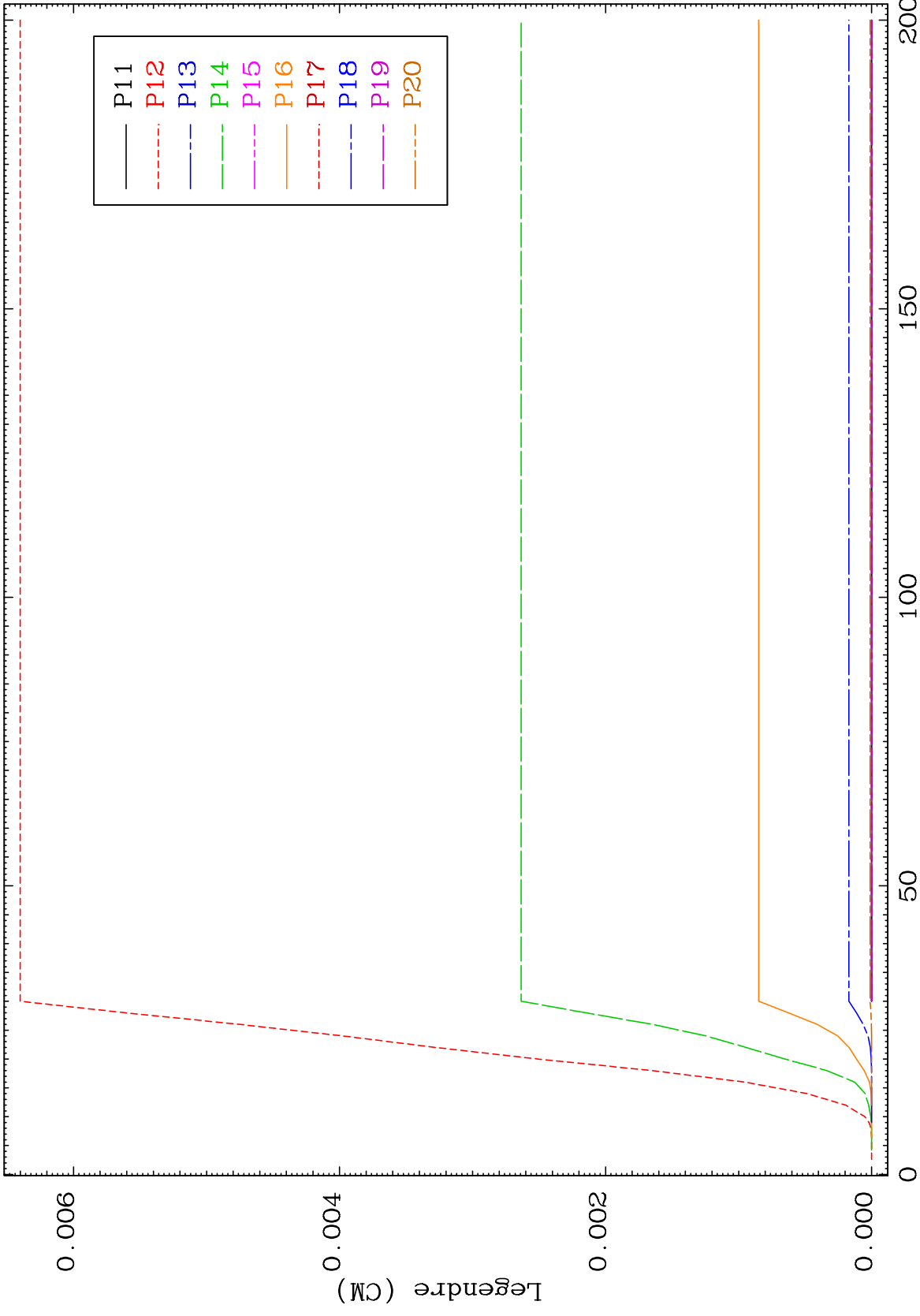
71

58-Ce-133

MAT 5816

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

58-Ce-133



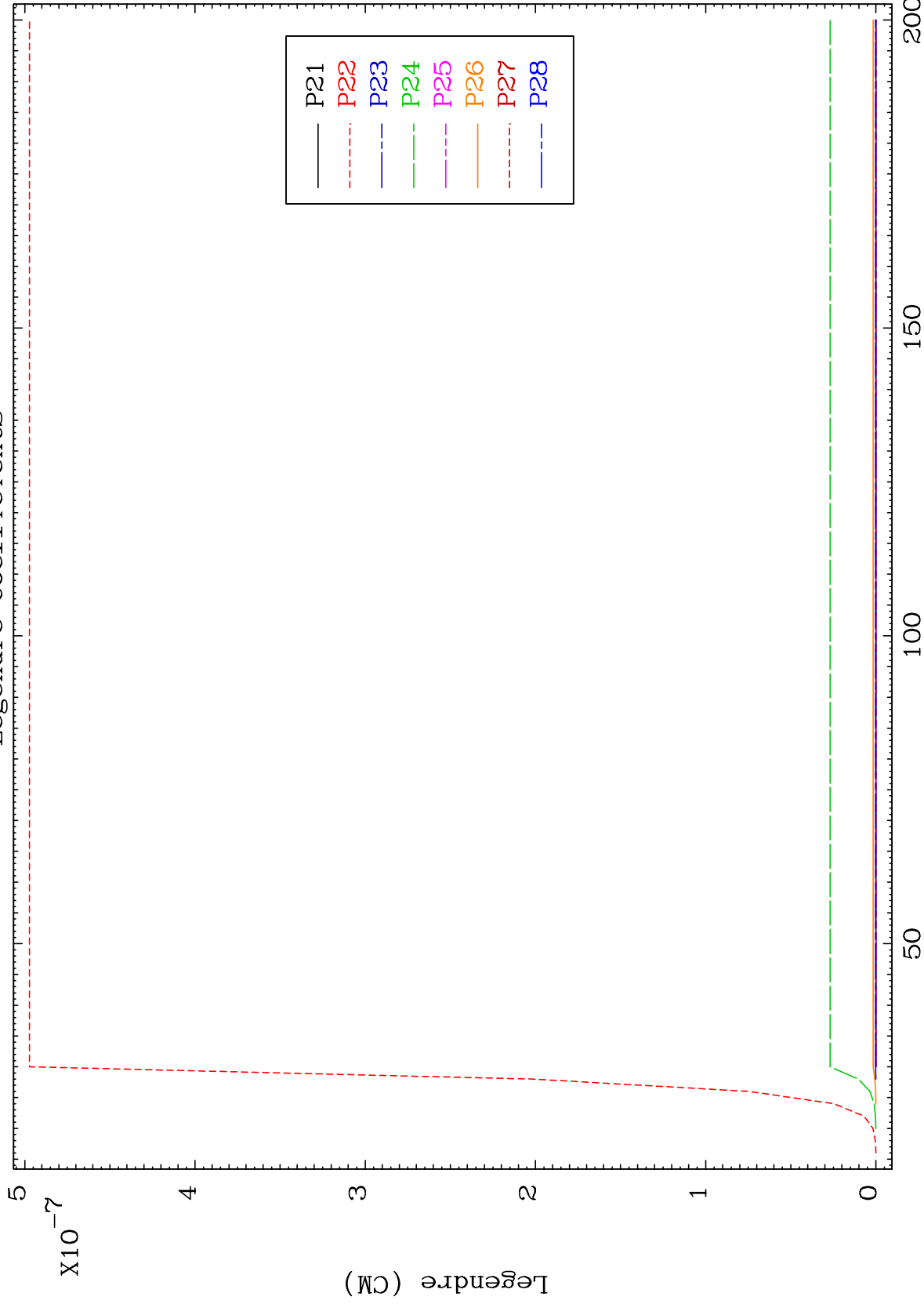
72

58-Ce-133

MAT 5816

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

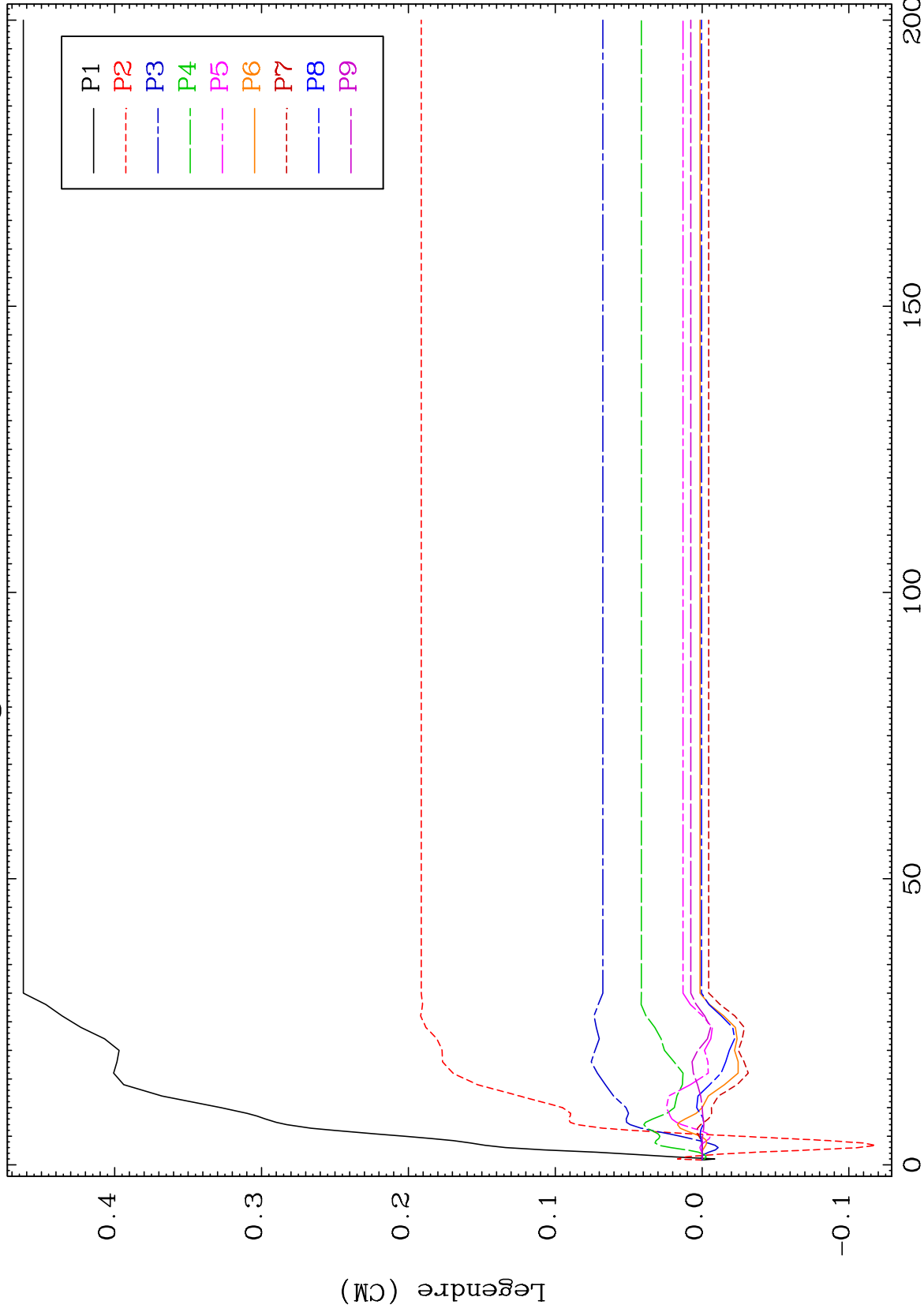
58-Ce-133



MAT 5816

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

58-Ce-133



74

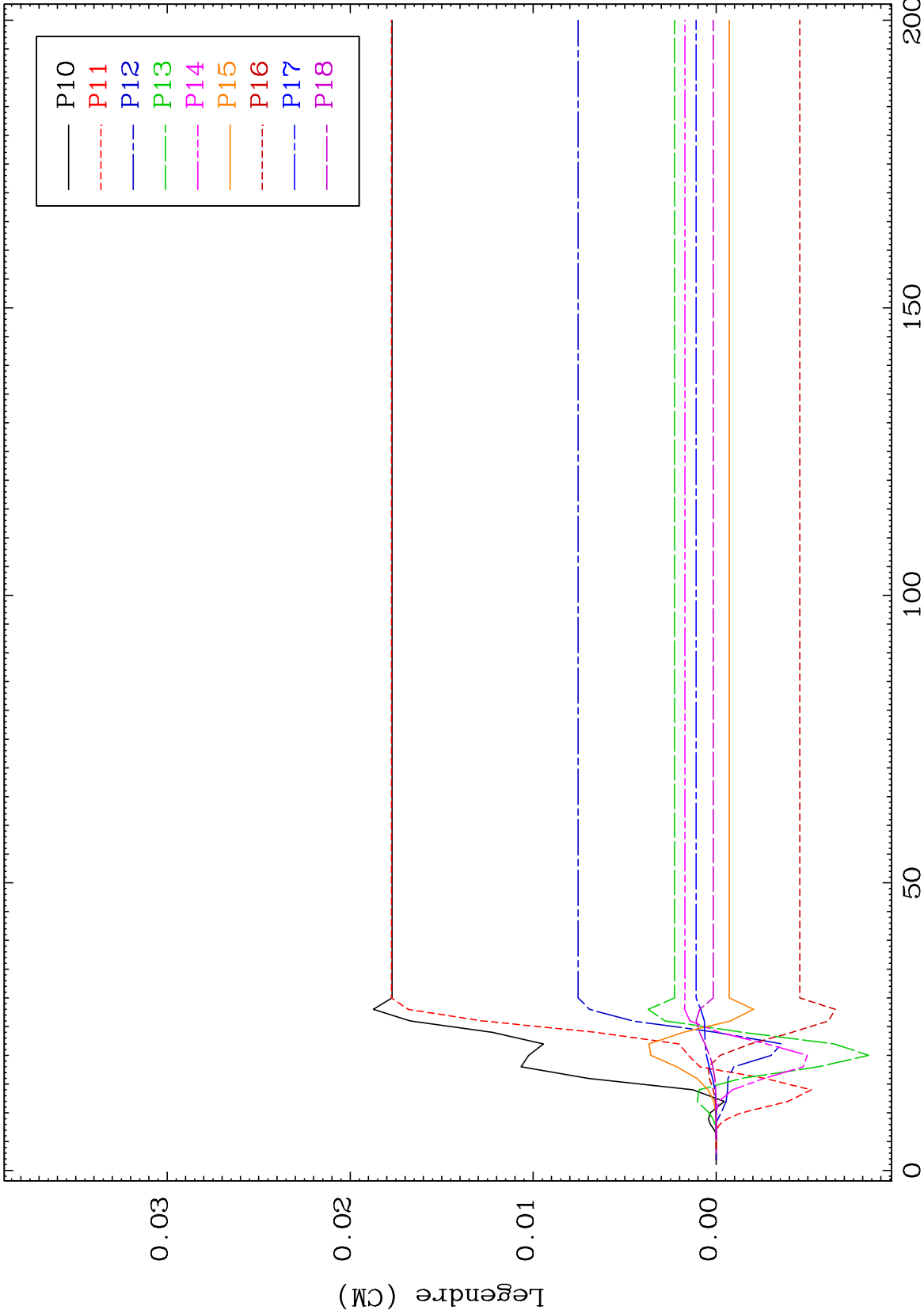
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



75

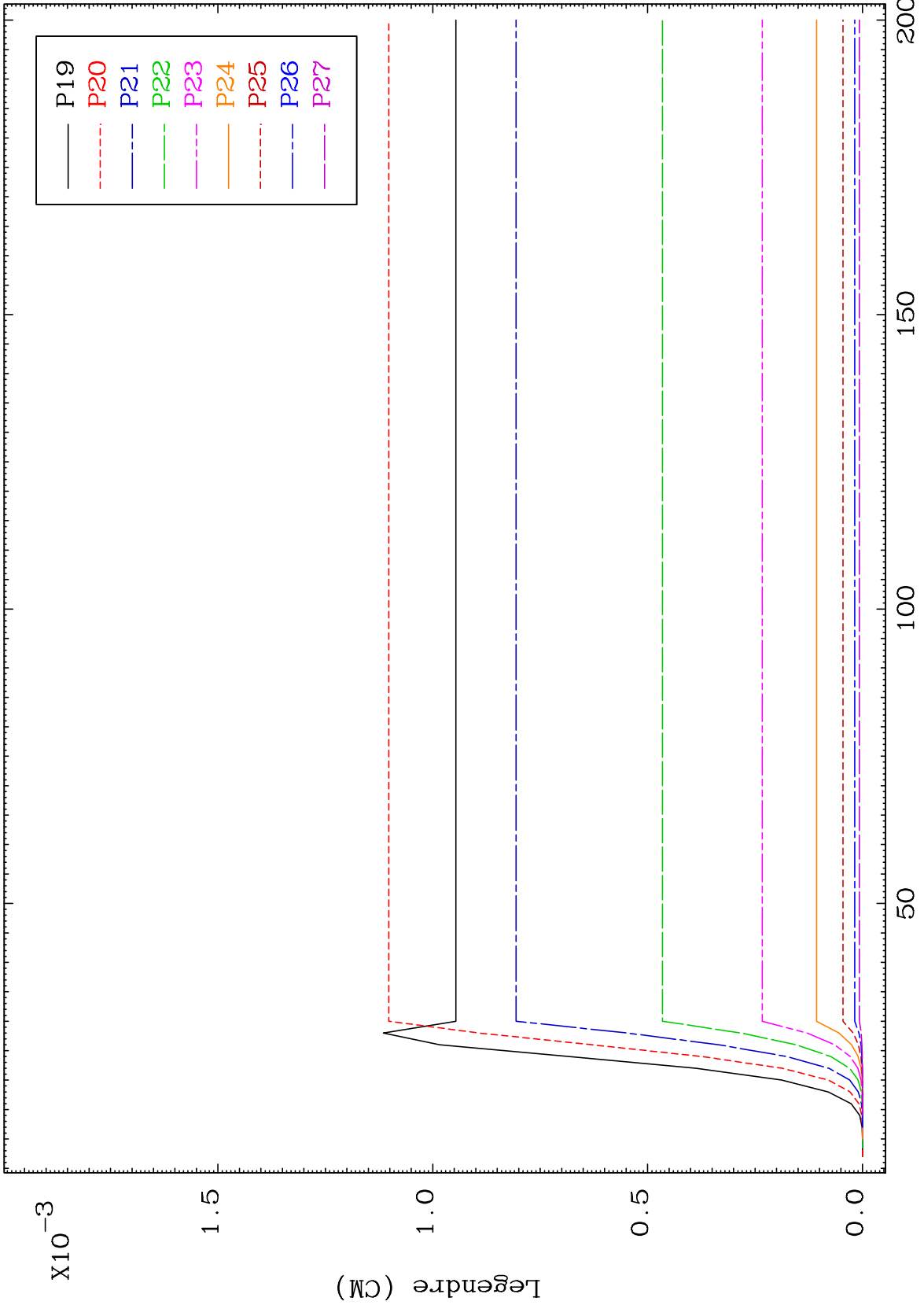
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



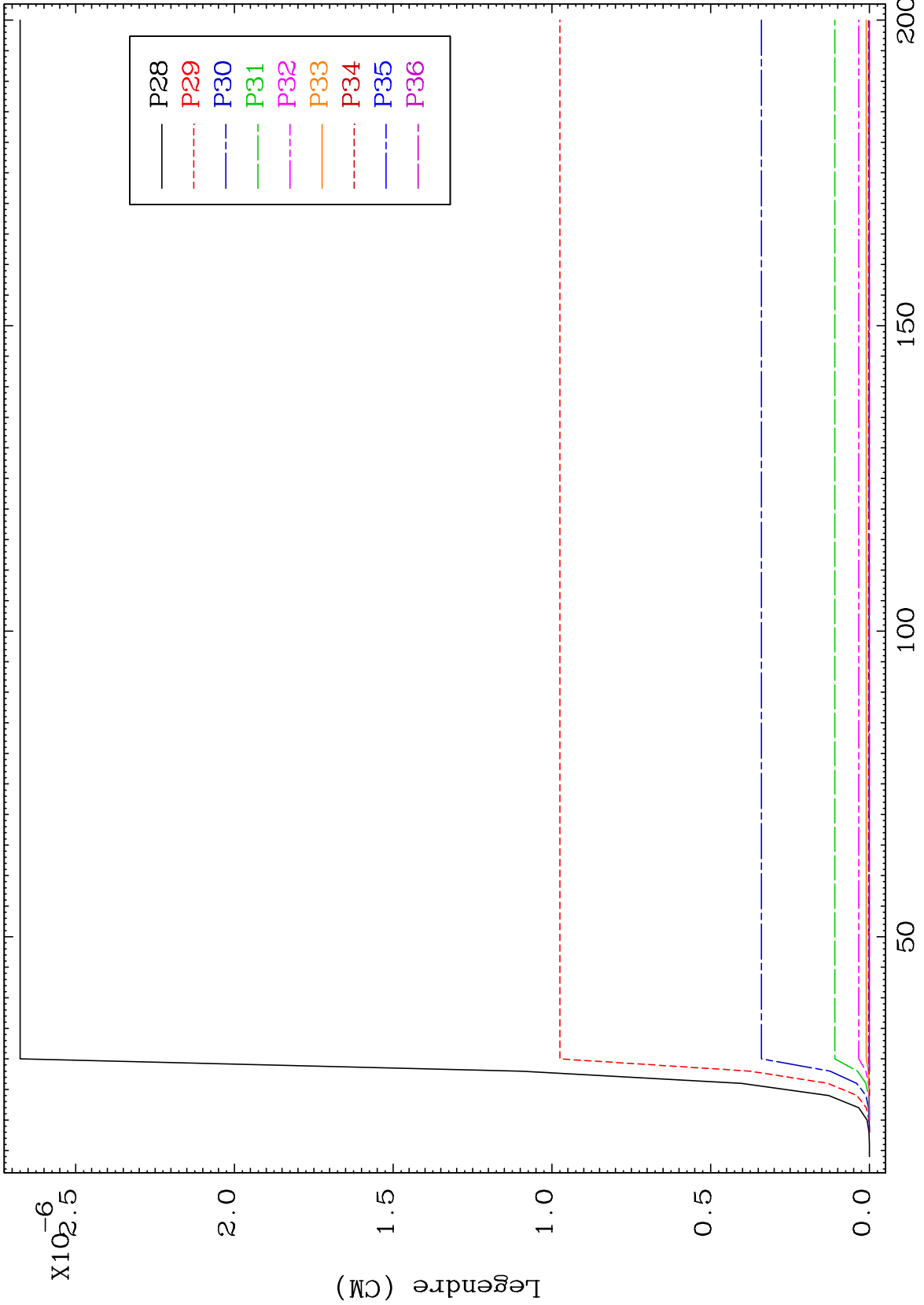
76

58-Ce-133

MAT 5816

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

58-Ce-133



77

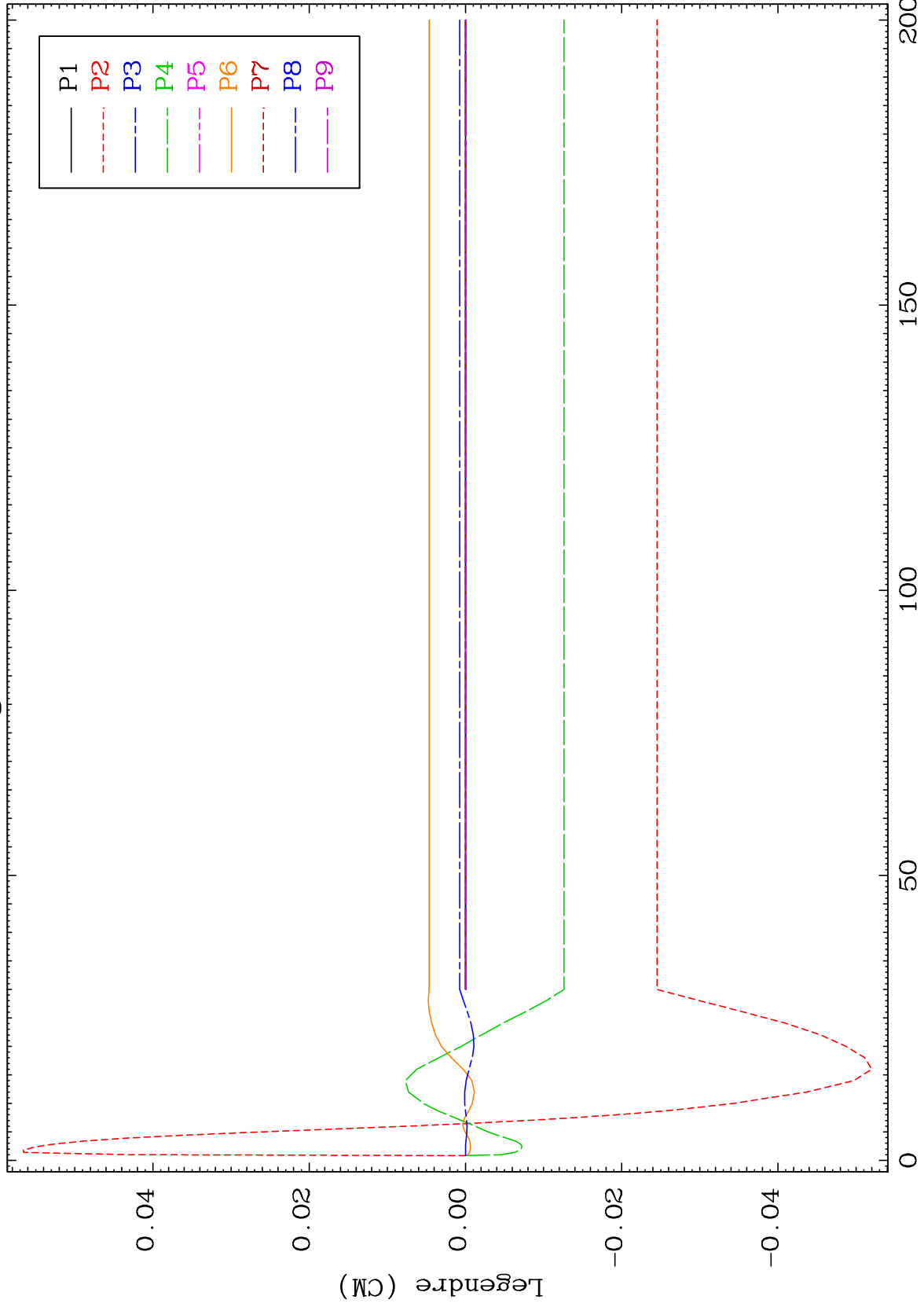
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



78

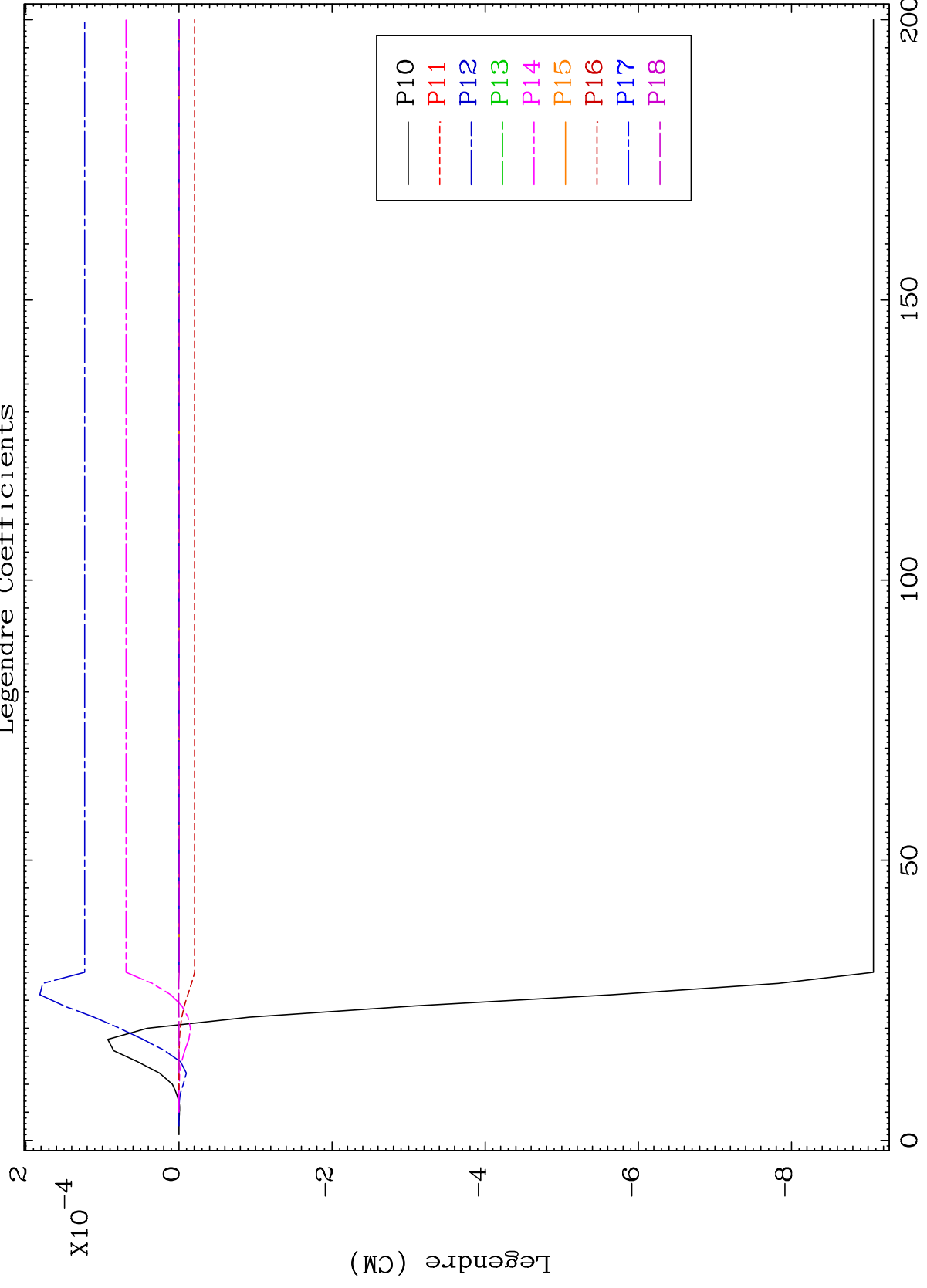
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133

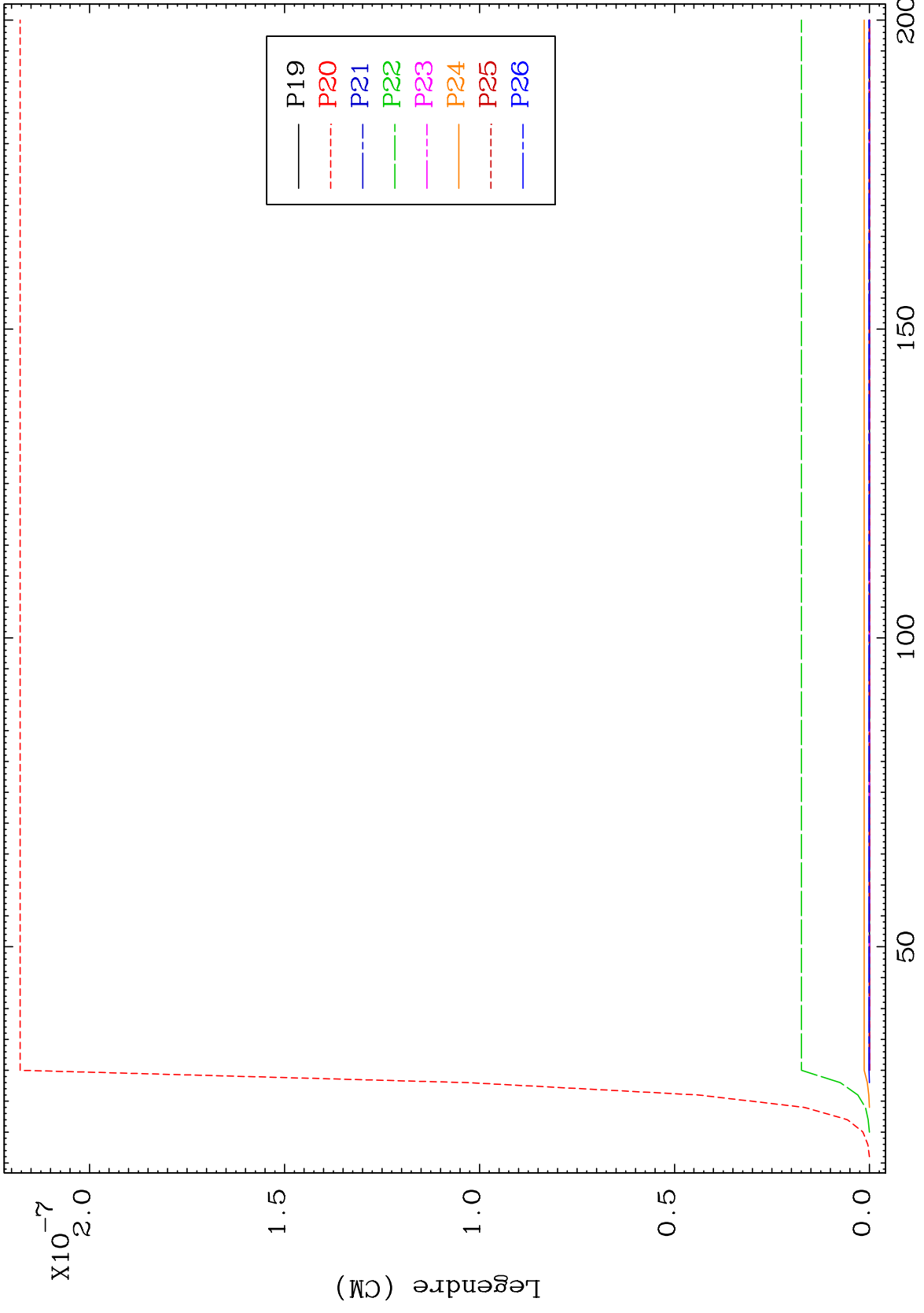


79

Incident Energy (MeV)

58-Ce-133

MAT 5816 MT= 66 (n,n') Level Legendre Coefficients 58-Ce-133

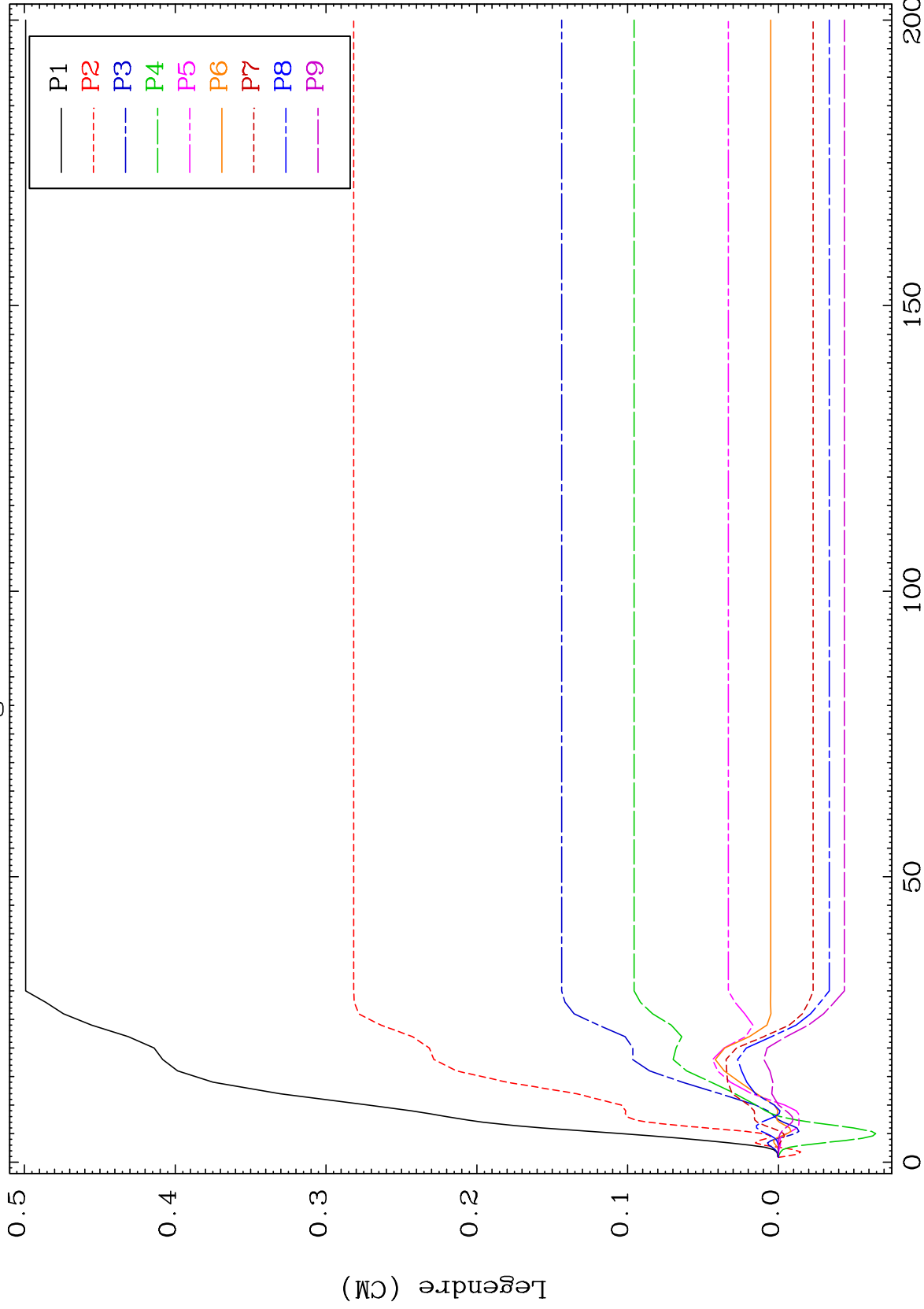


58-Ce-133

MAT 5816

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

58-Ce-133



81

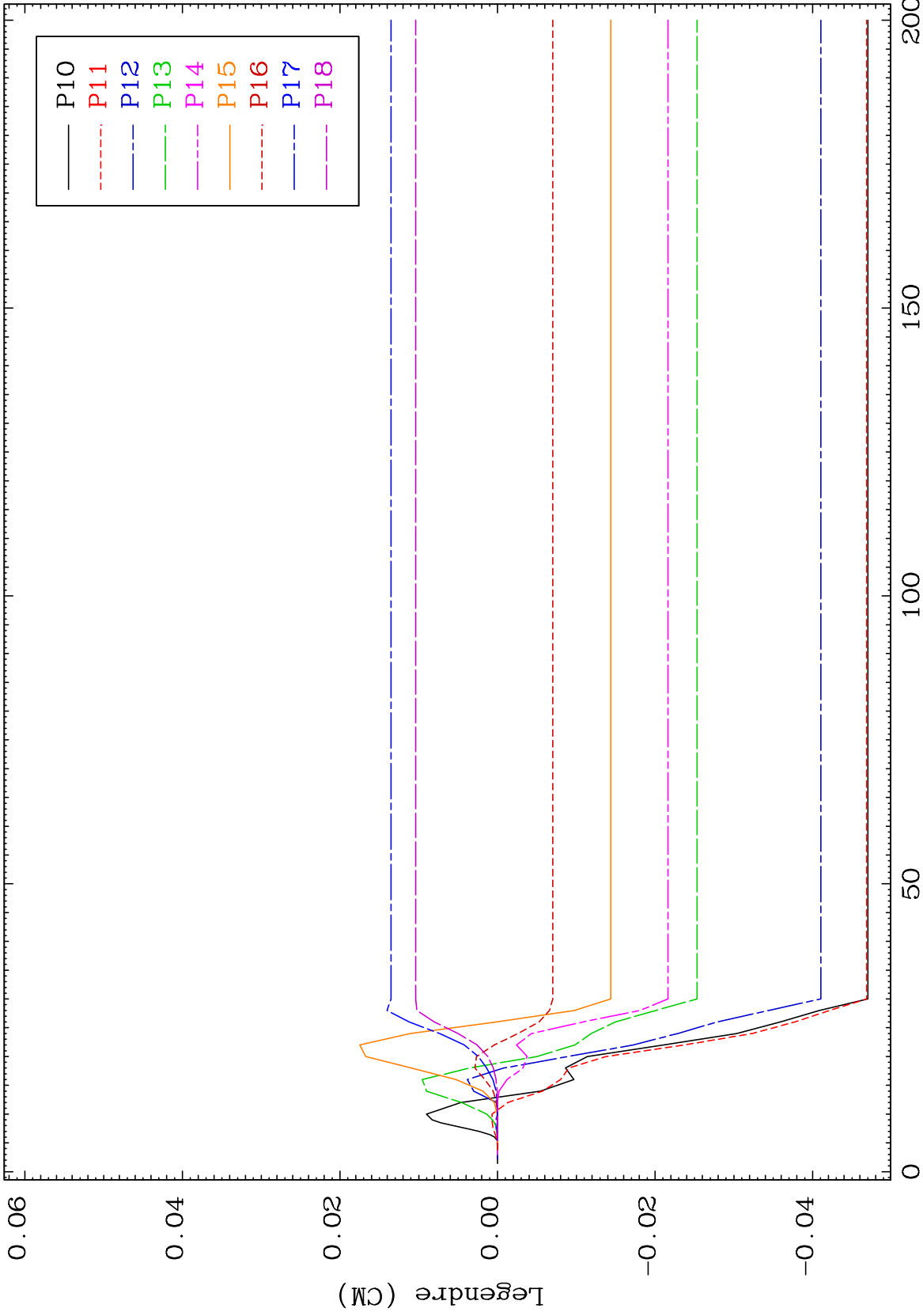
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



82

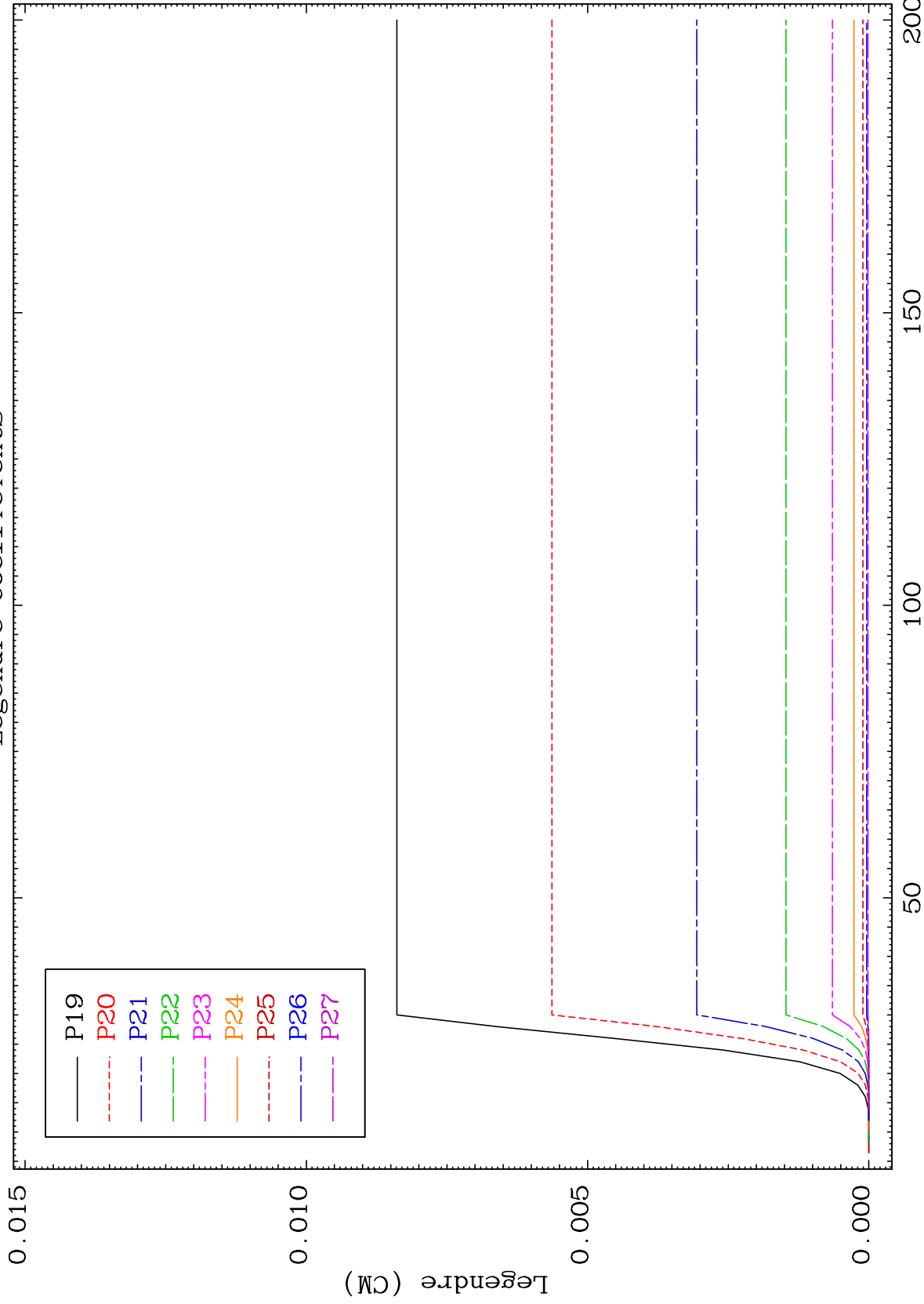
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



83

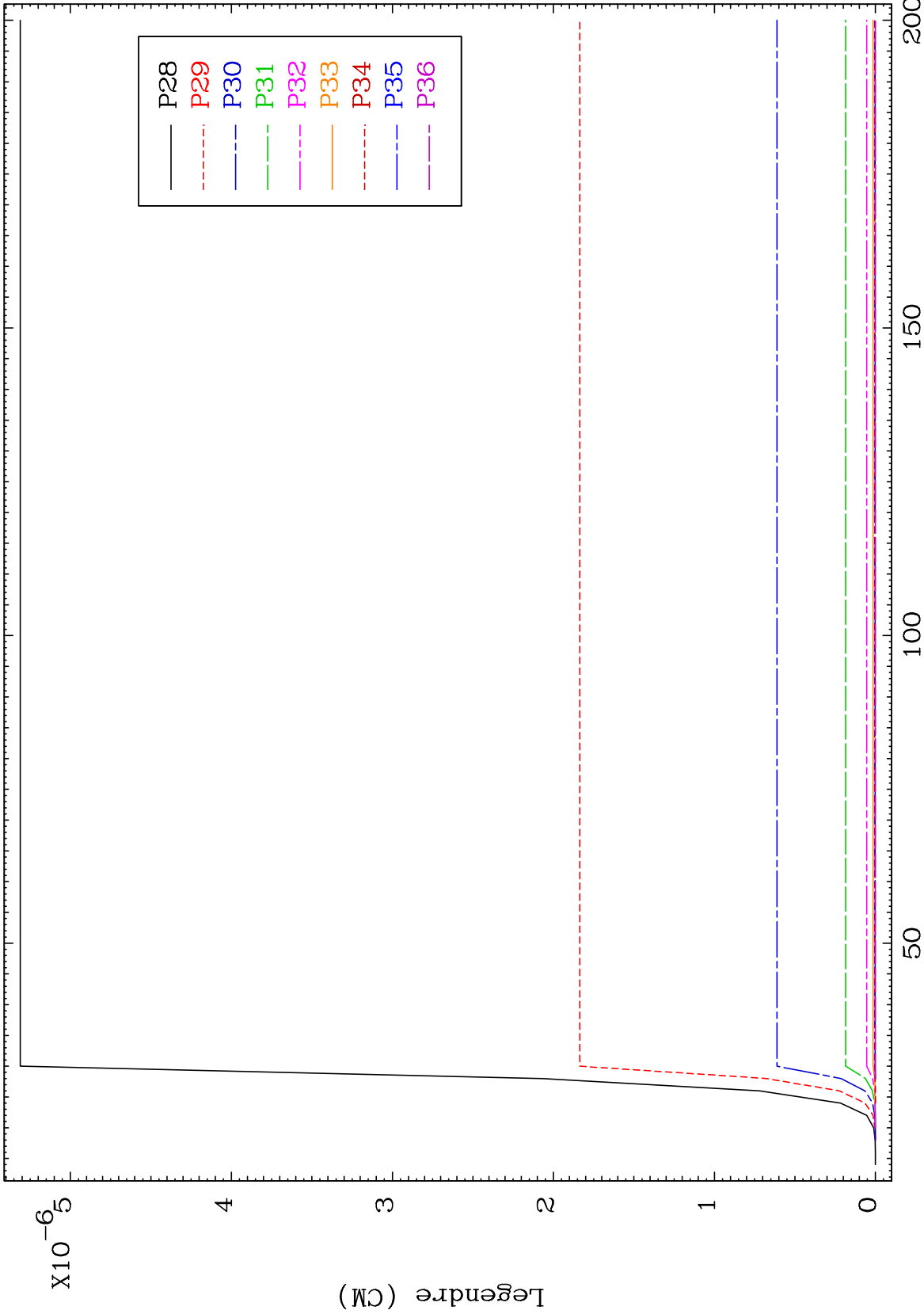
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

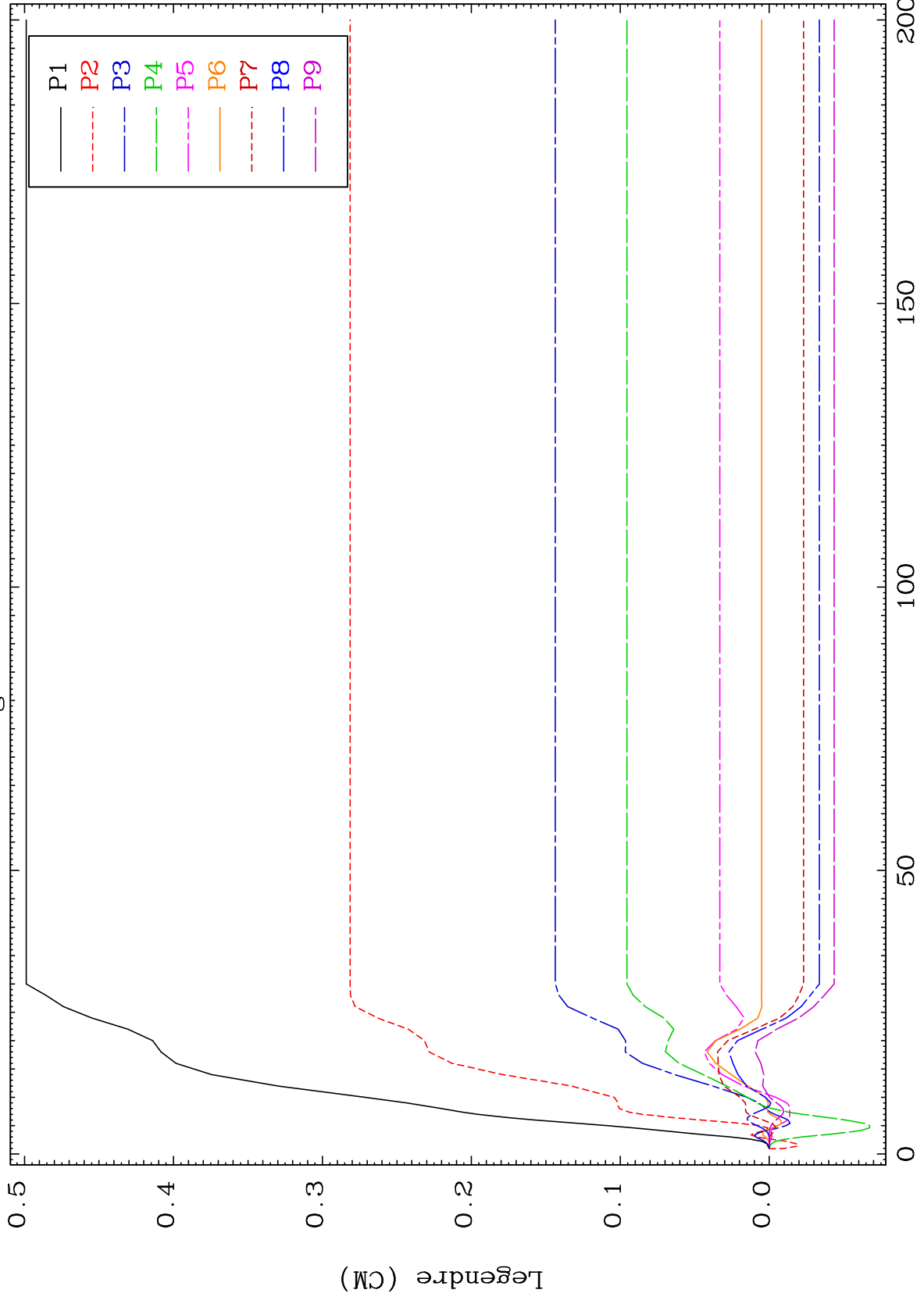
58-Ce-133



84

58-Ce-133

MAT 5816 MT= 68 (n,n') Level Legendre Coefficients 58-Ce-133

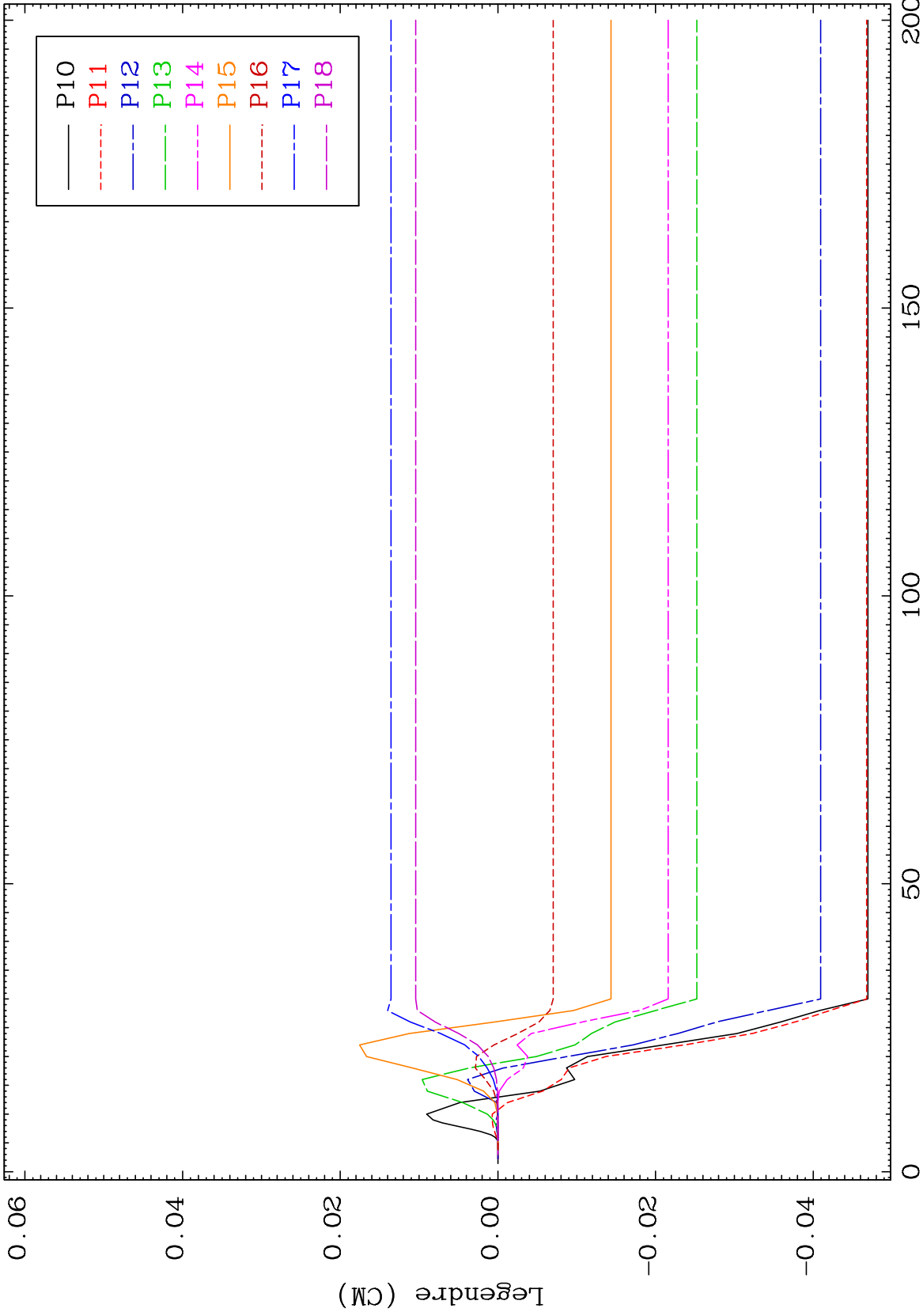


85 Incident Energy (MeV) 58-Ce-133

MAT 5816

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

58-Ce-133



86

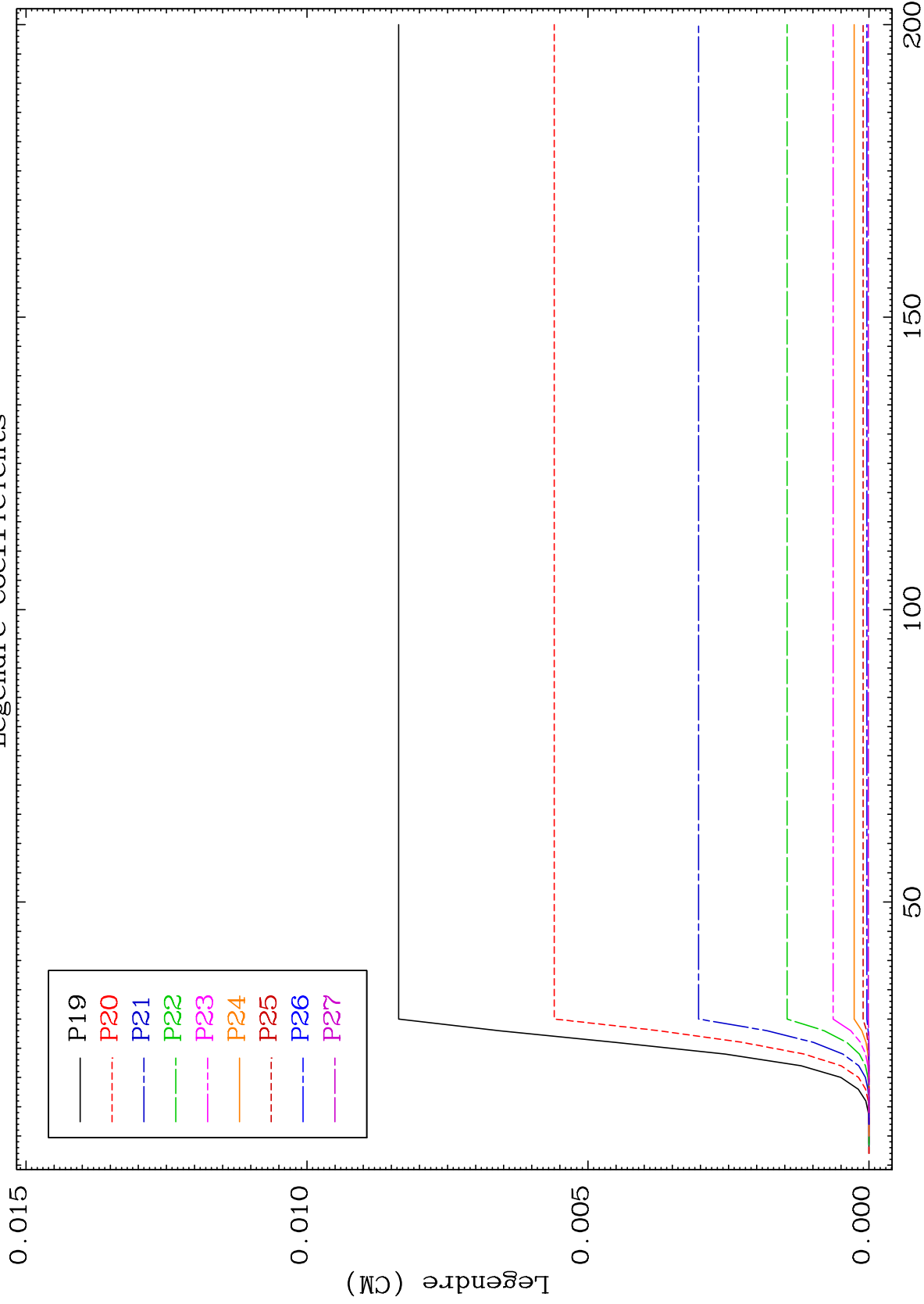
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



87

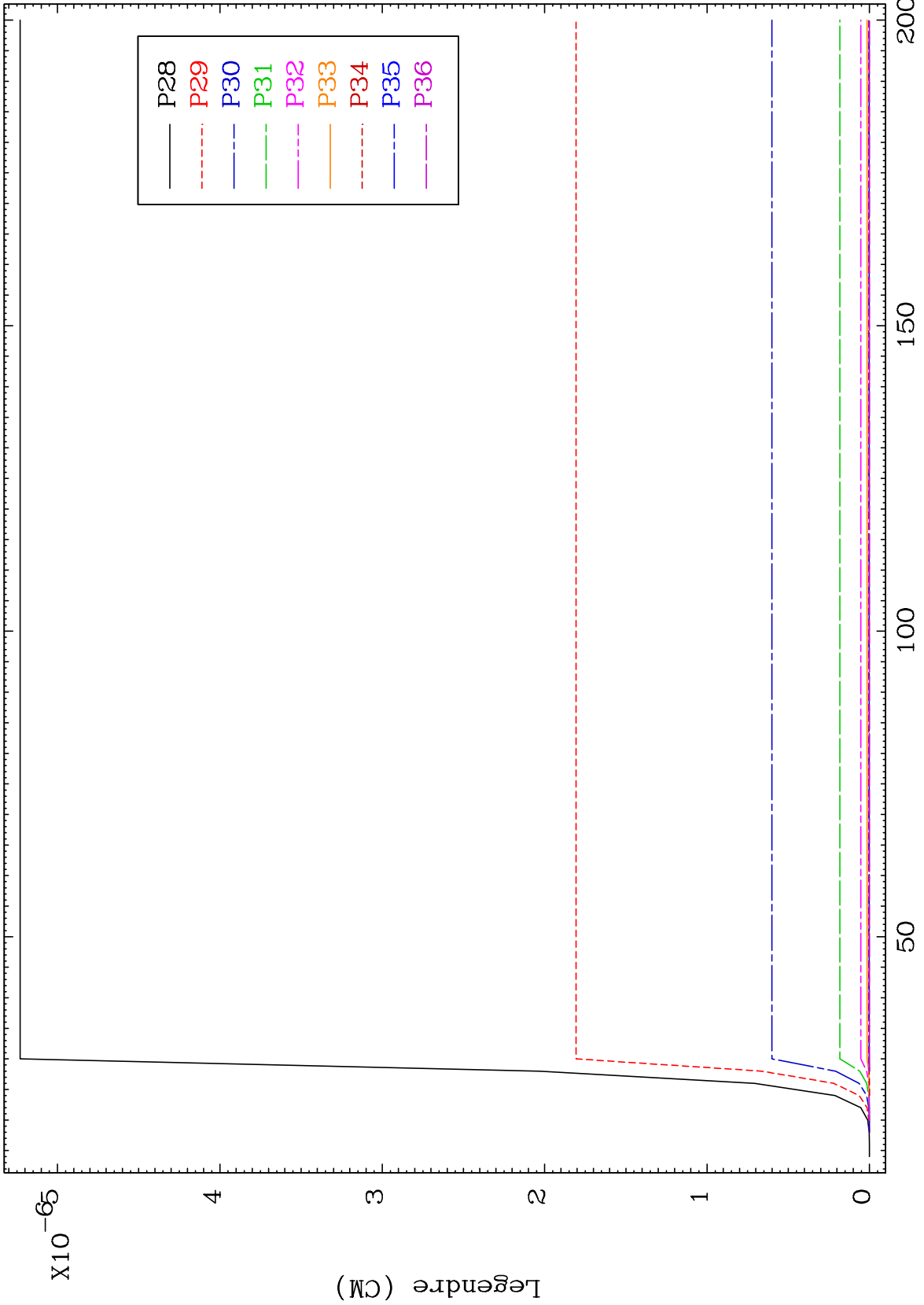
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



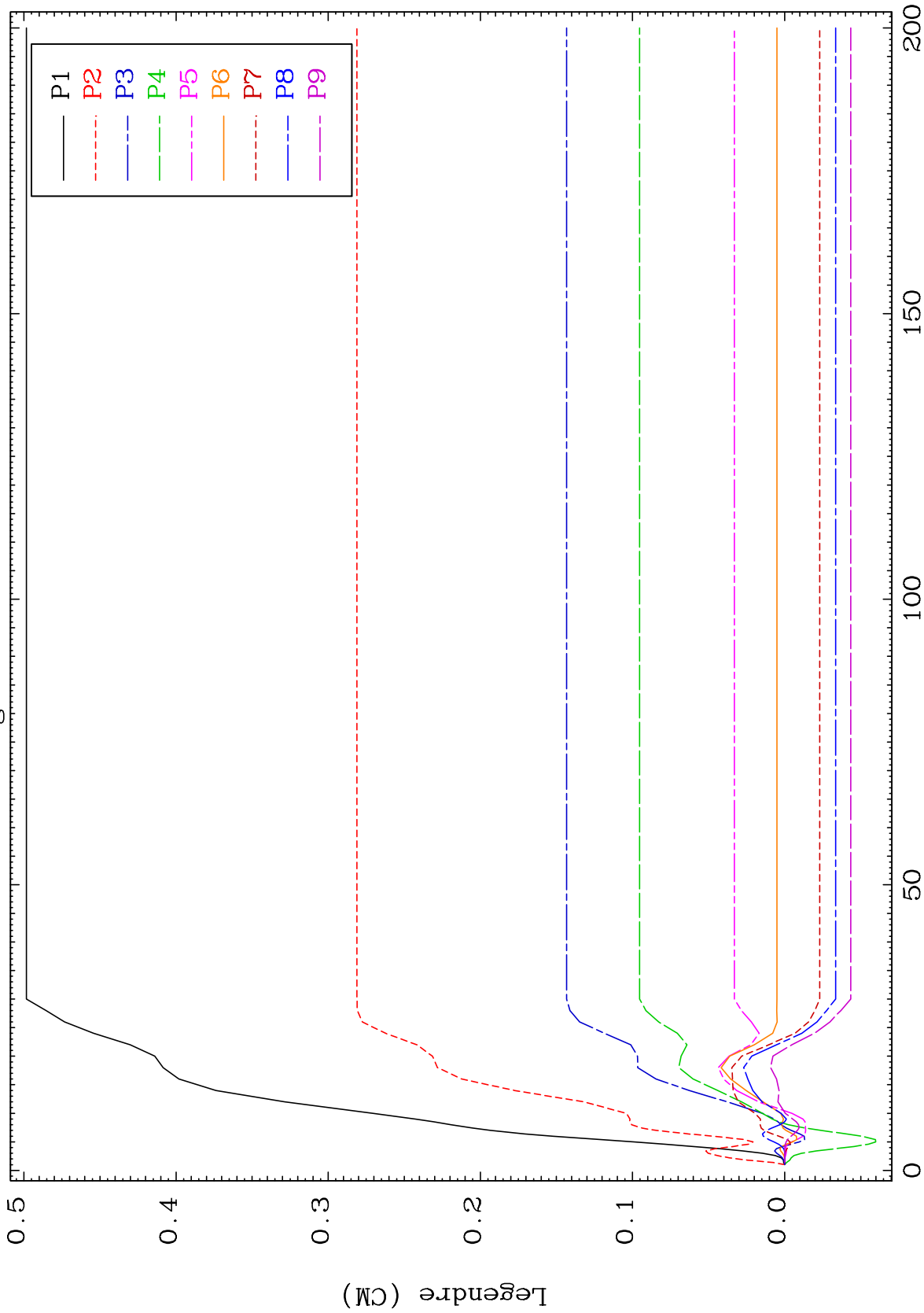
88

58-Ce-133

MAT 5816

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

58-Ce-133



89

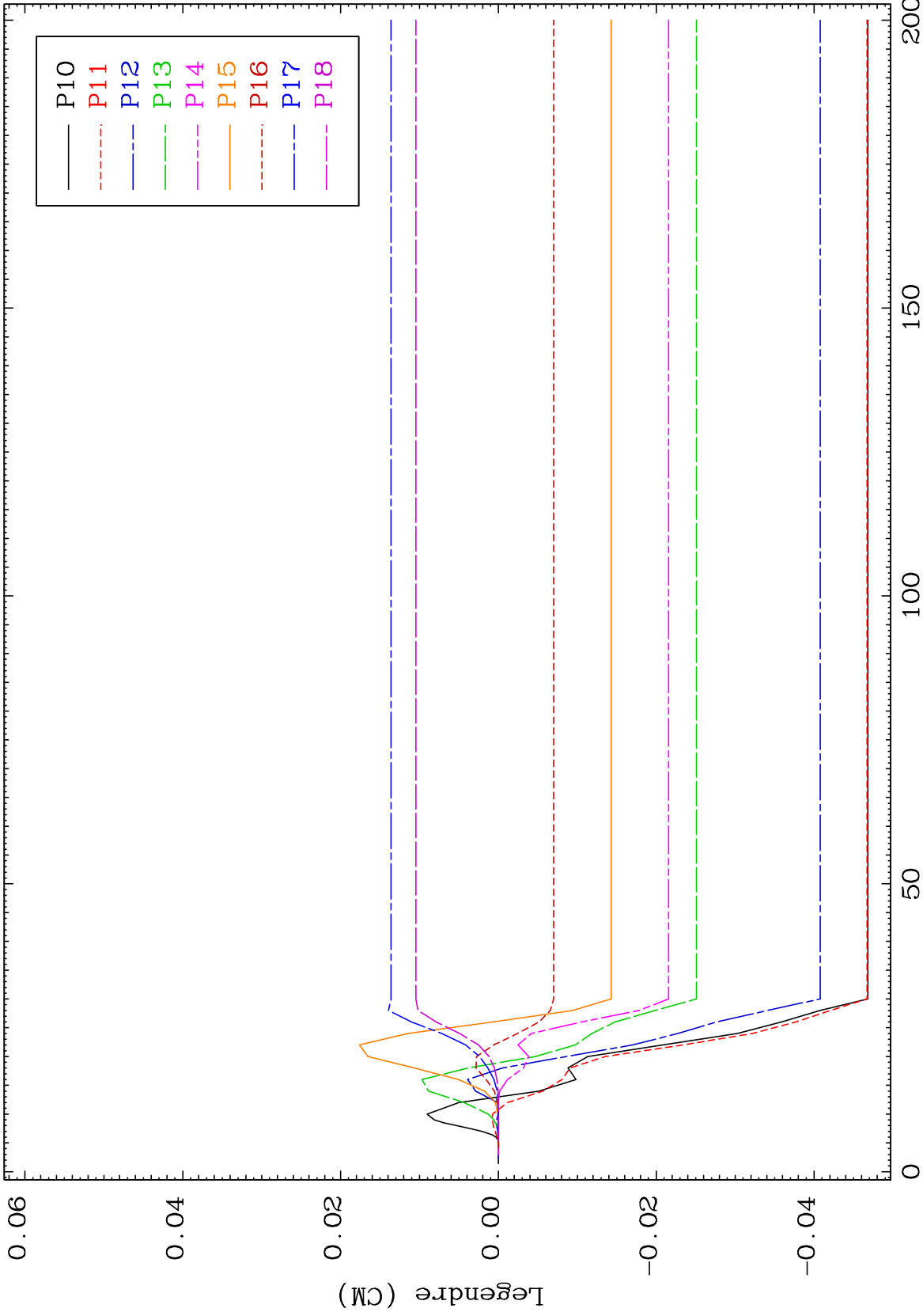
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



90

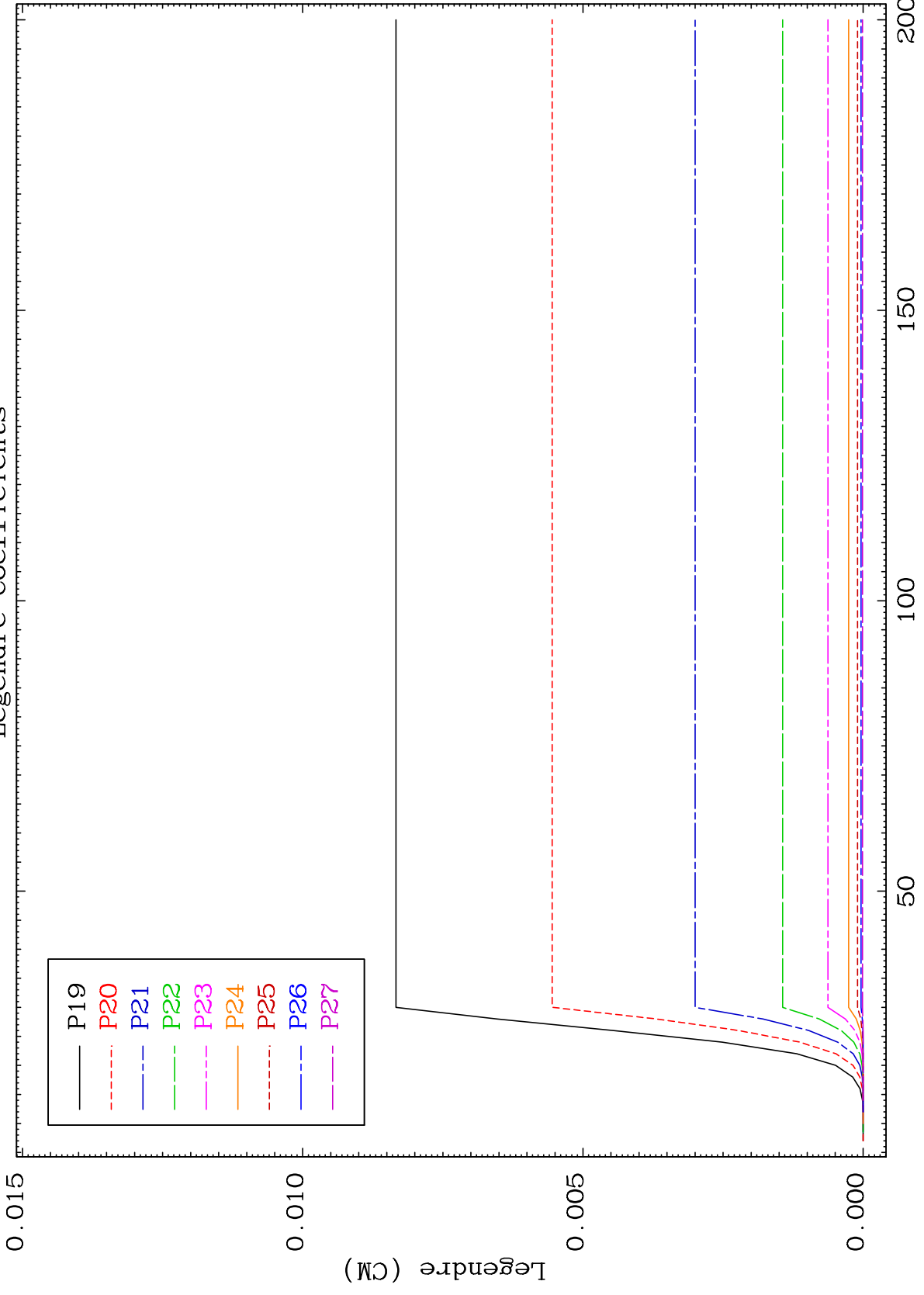
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

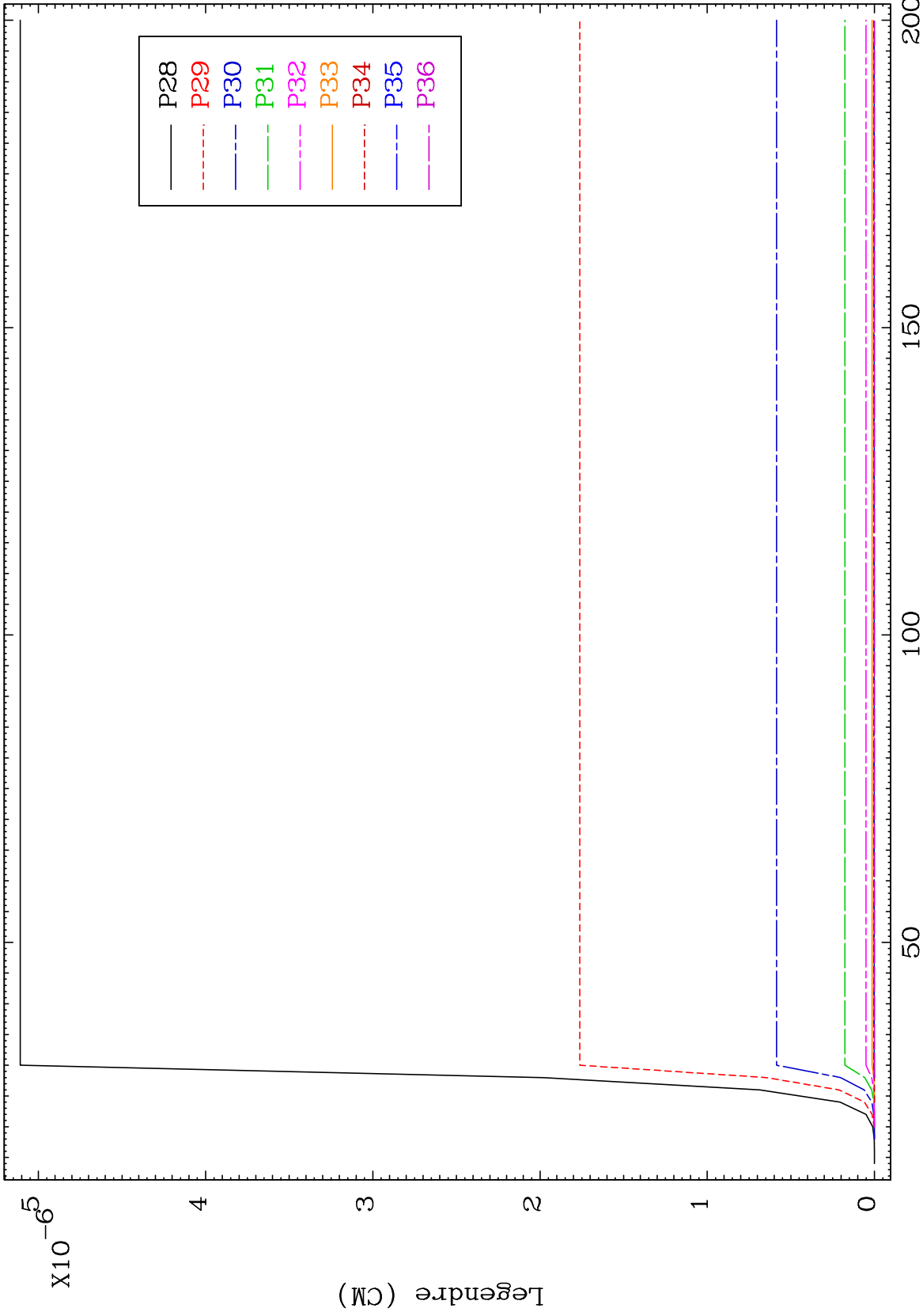
58-Ce-133



MAT 5816

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

58-Ce-133



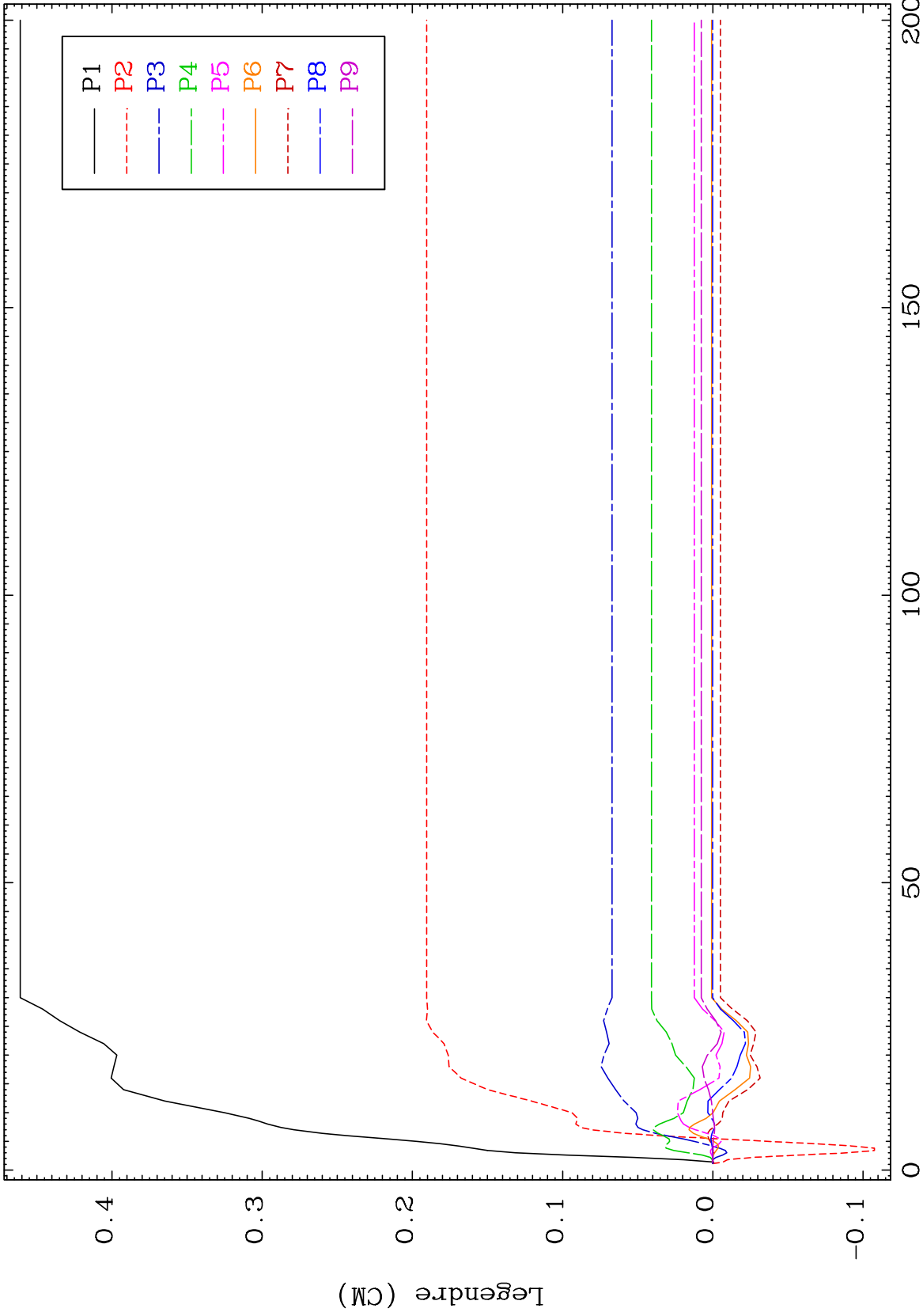
92

58-Ce-133

MAT 5816

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

58-Ce-133



93

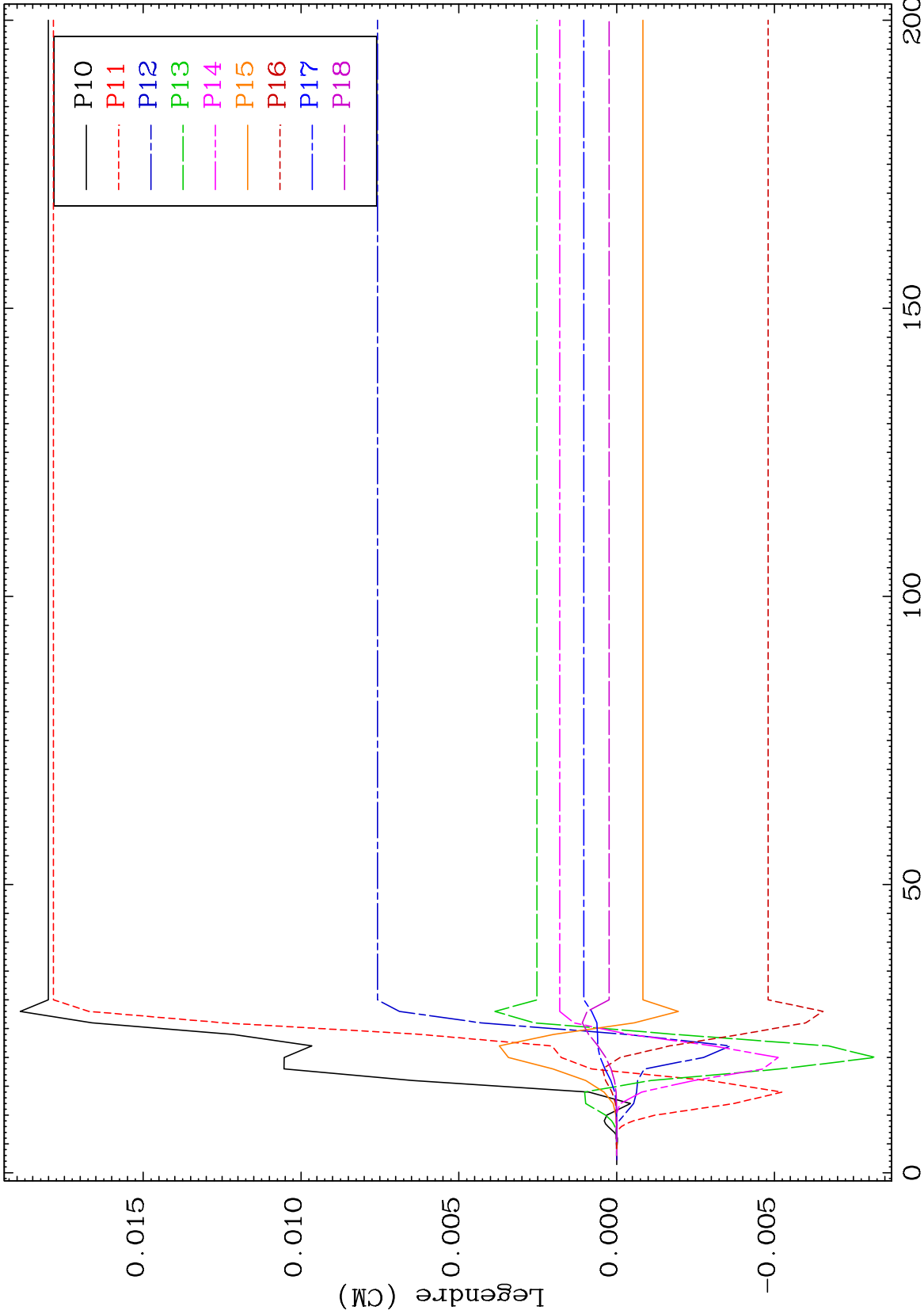
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



94

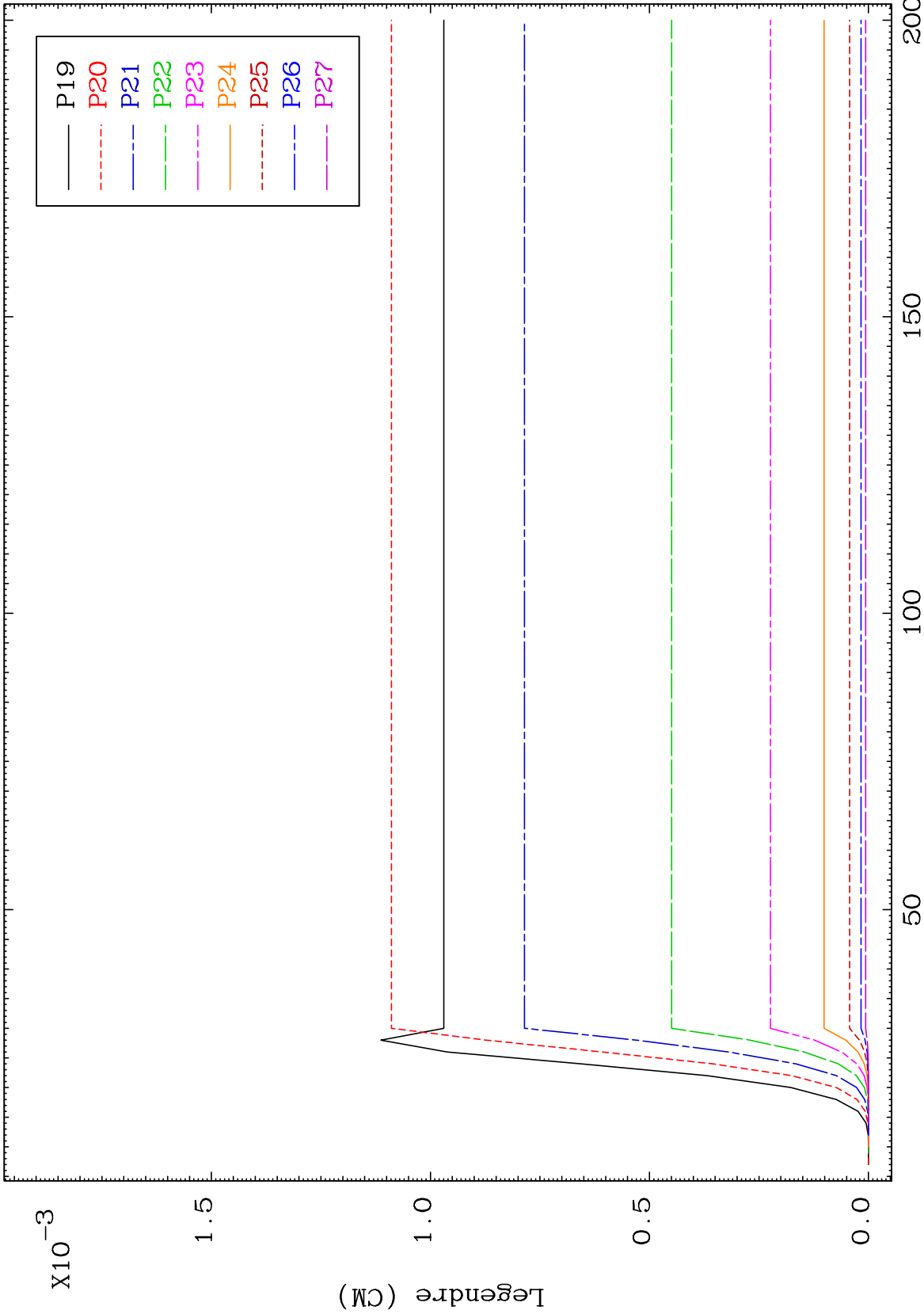
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



95

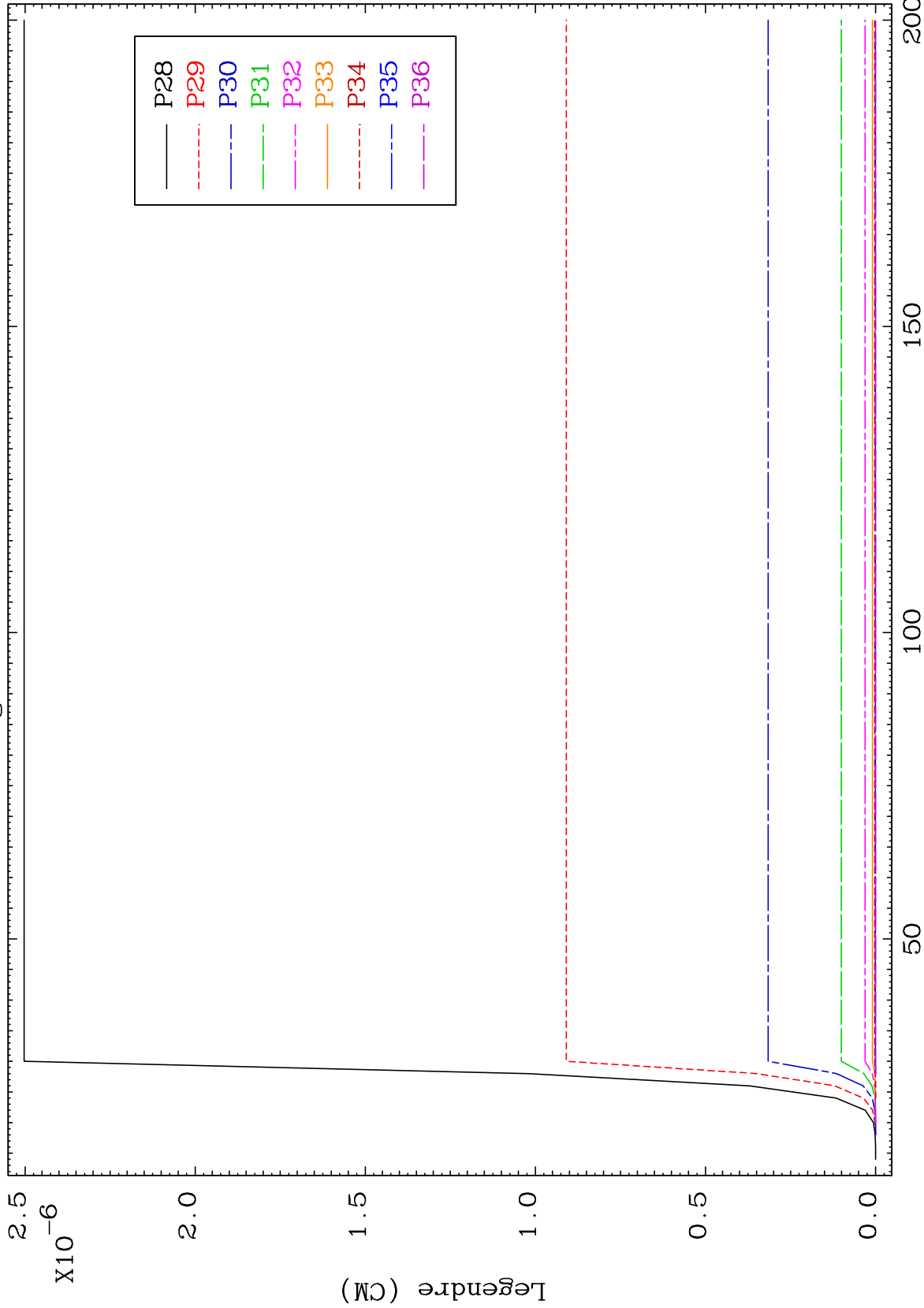
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



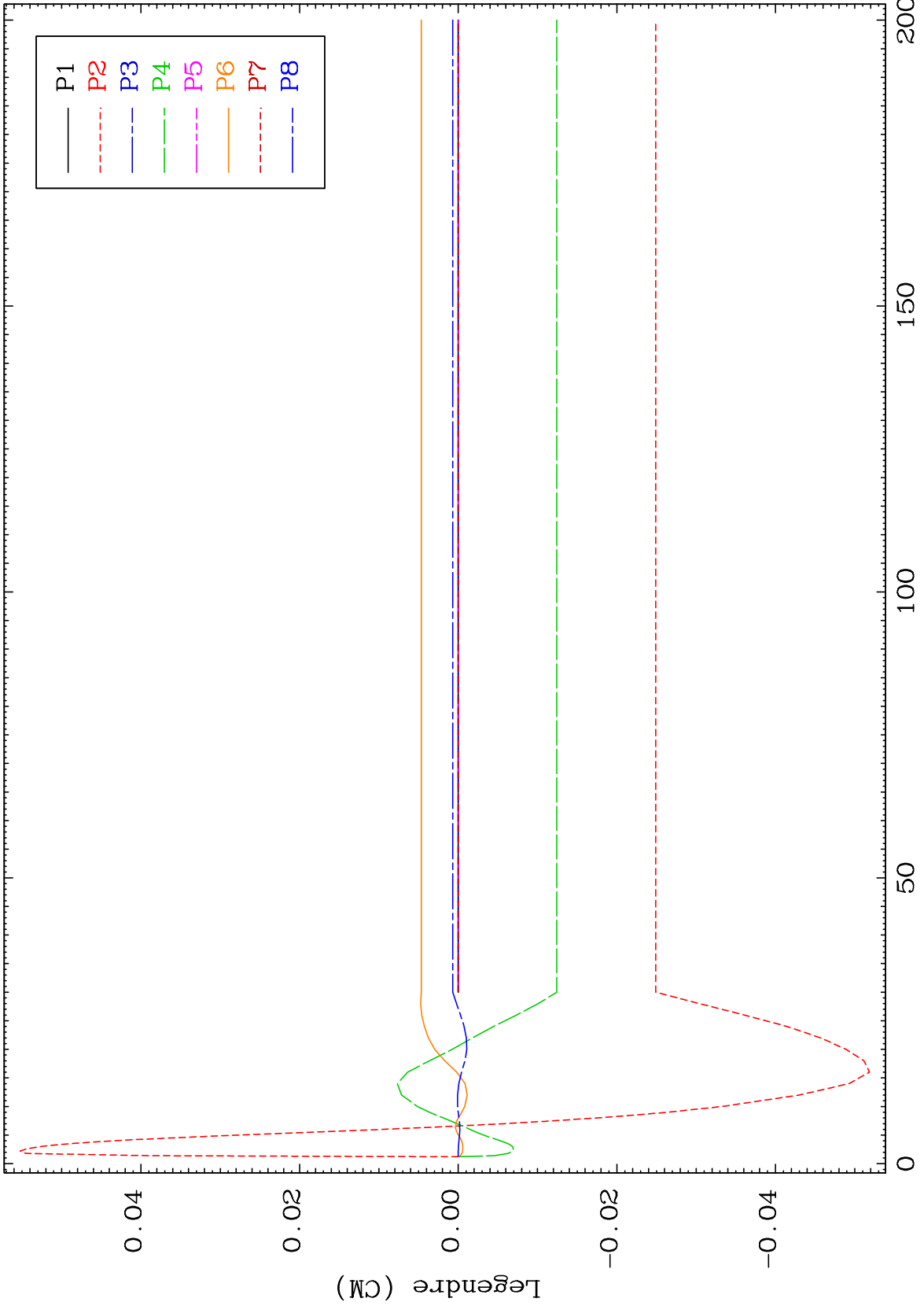
96

58-Ce-133

MAT 5816

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

58-Ce-133



97

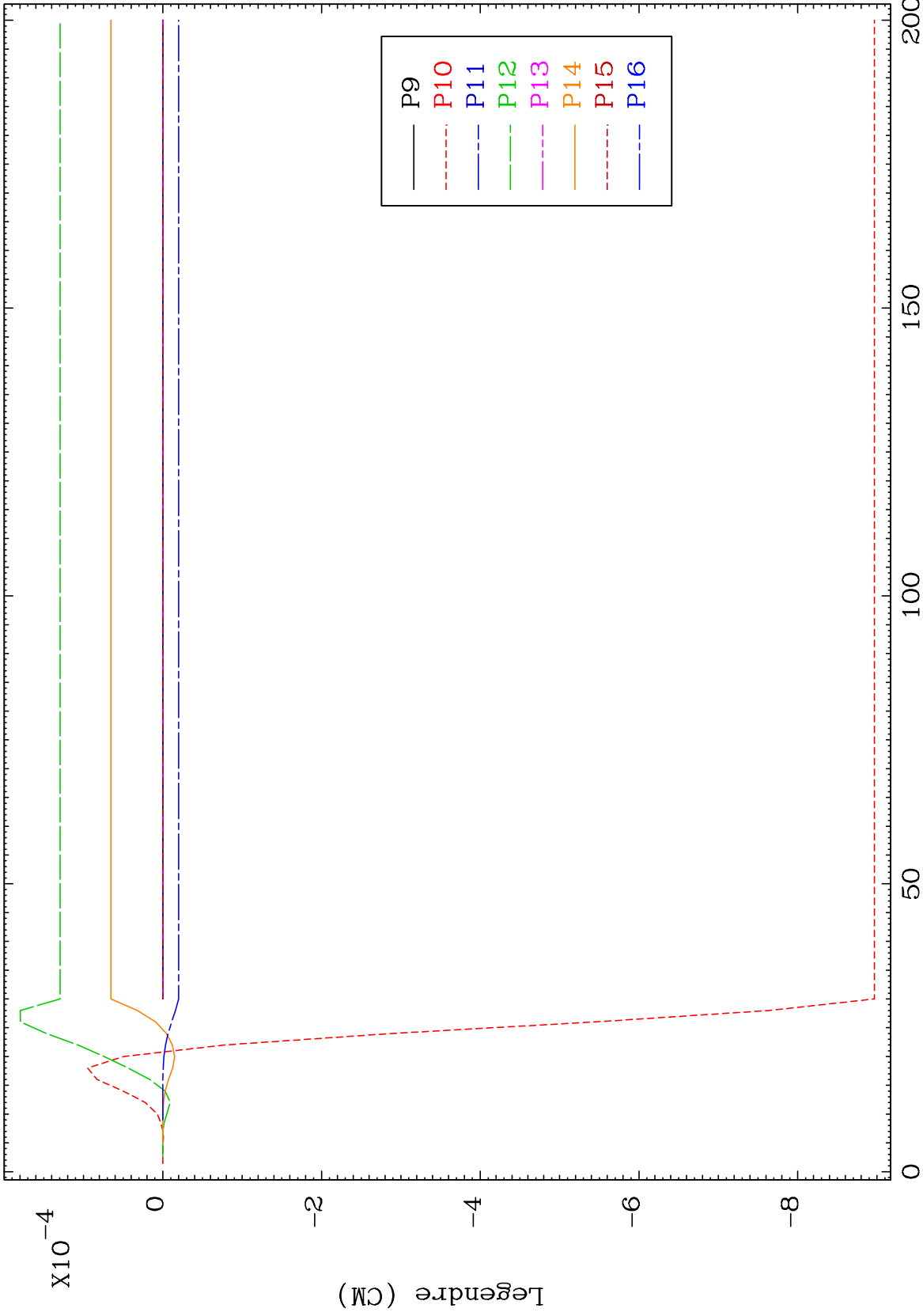
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



98

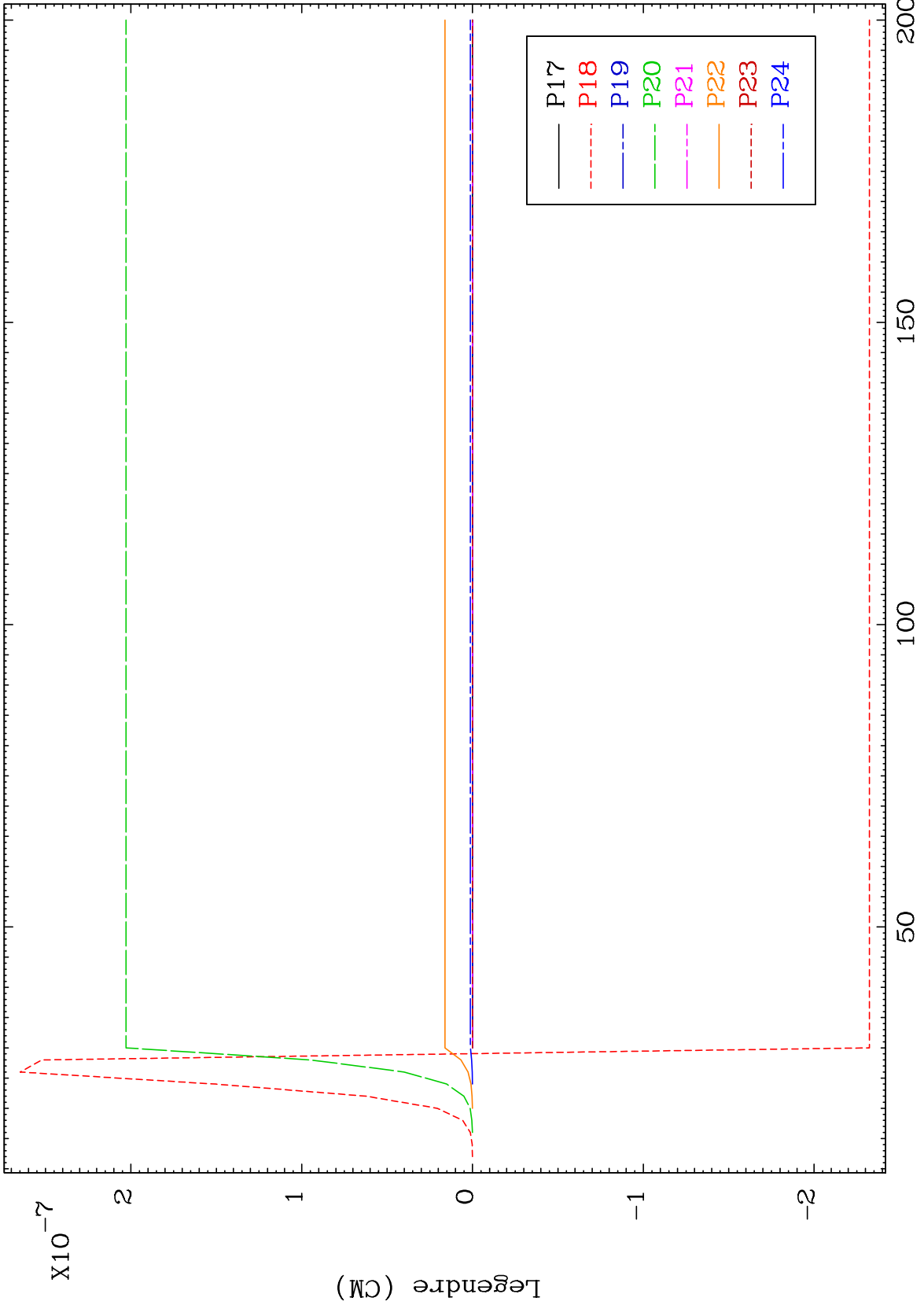
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

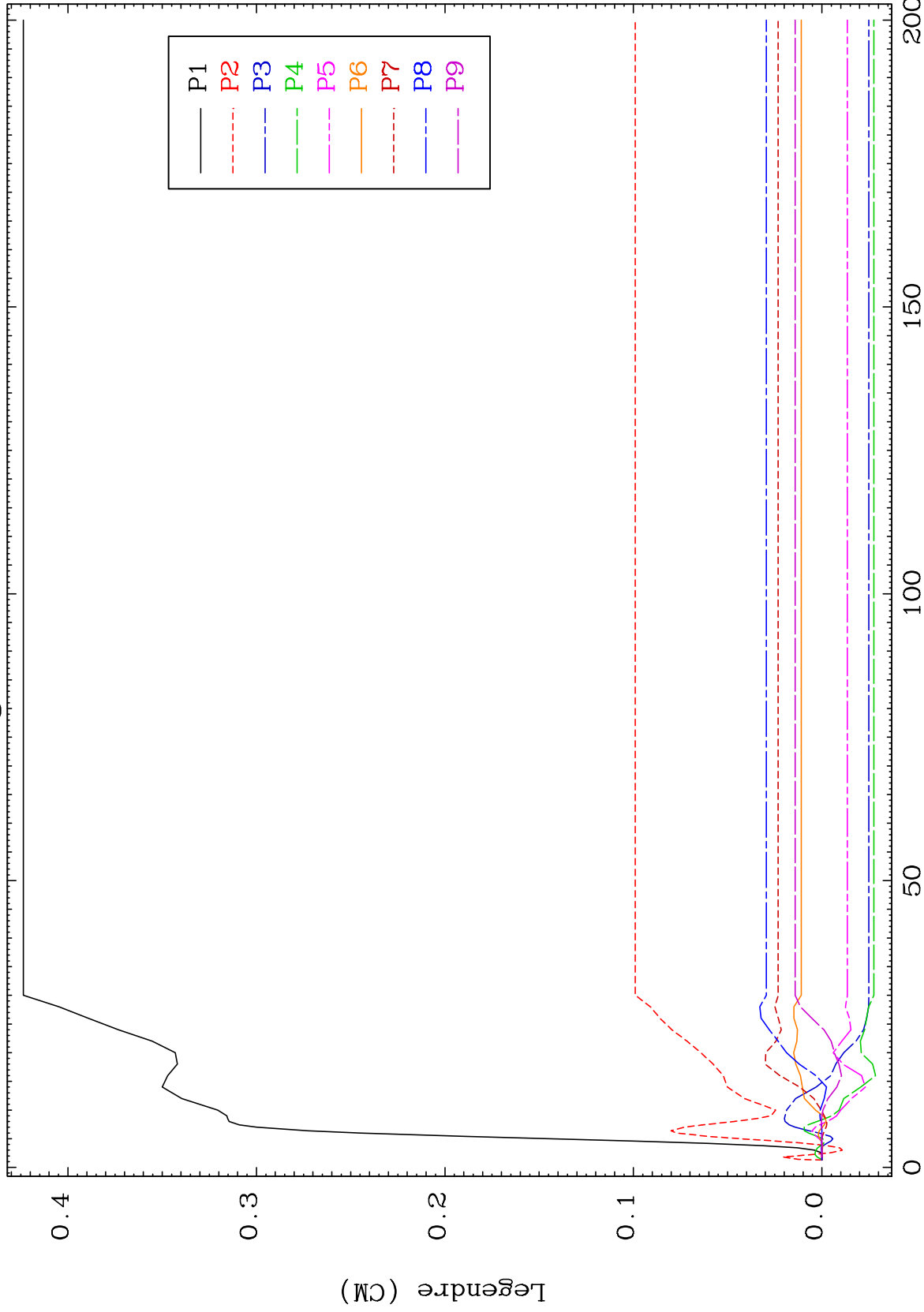
58-Ce-133



MAT 5816

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

58-Ce-133



58-Ce-133

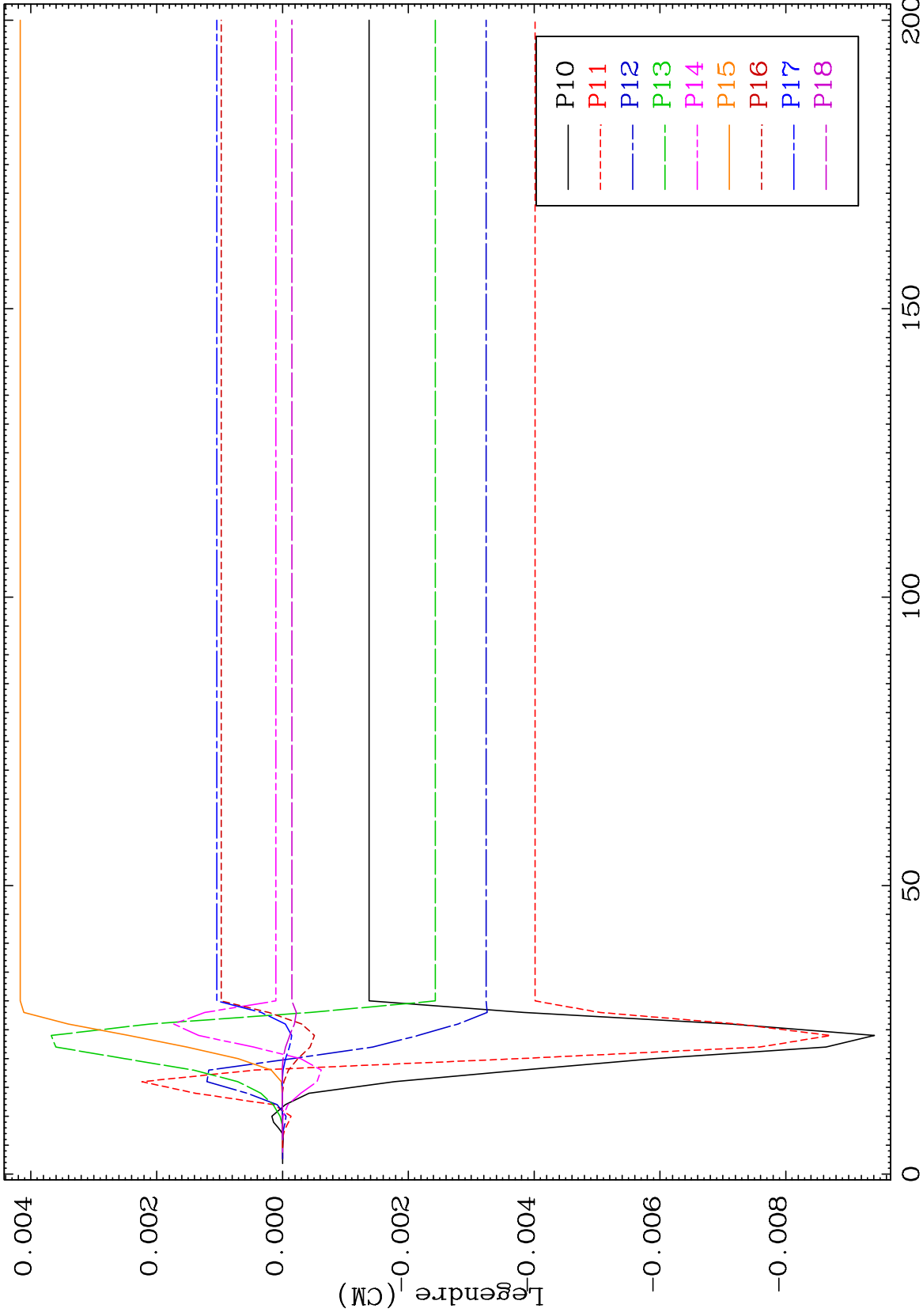
Incident Energy (MeV)

Legendre (CM)

MAT 5816

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

58-Ce-133



101

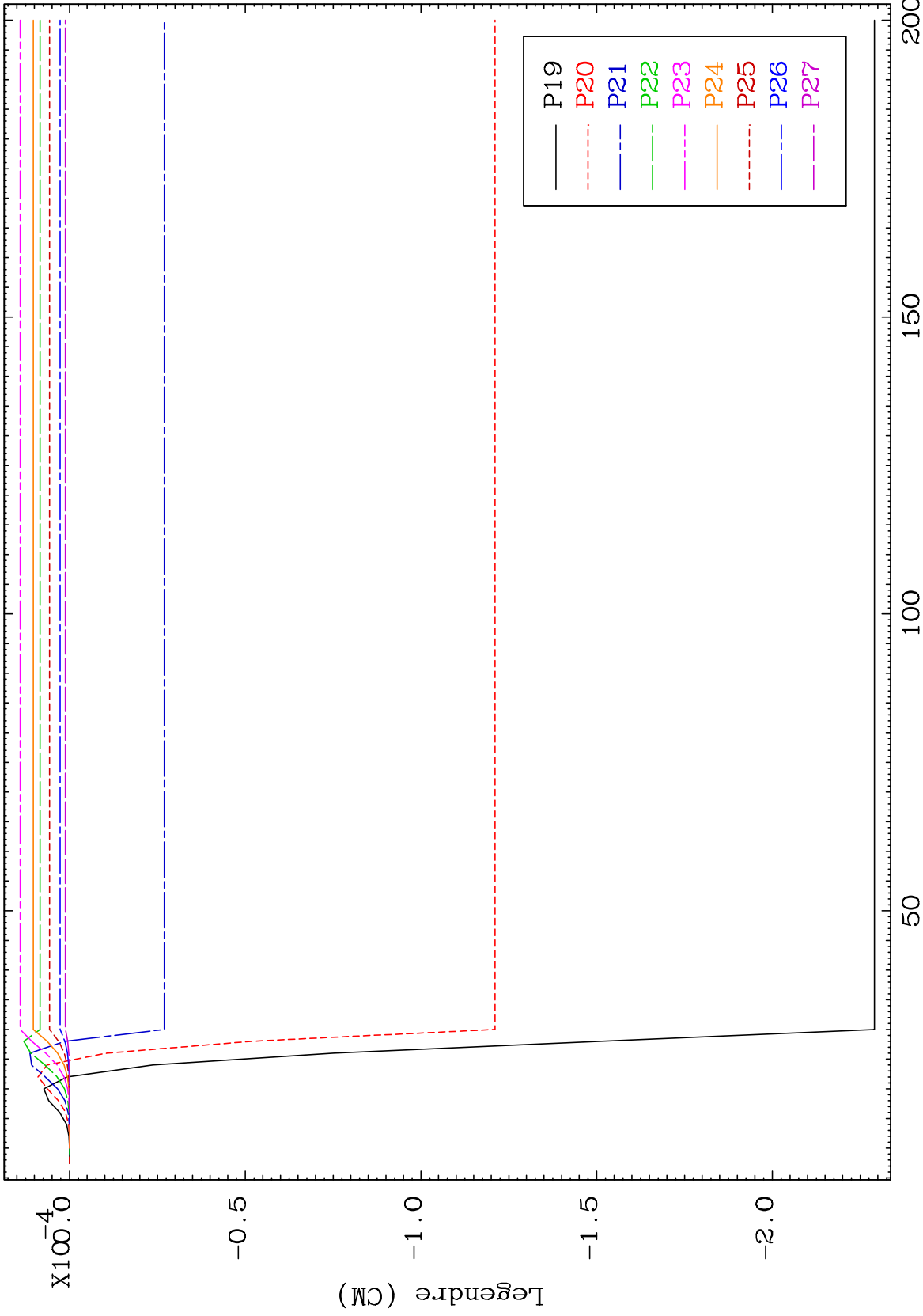
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



102

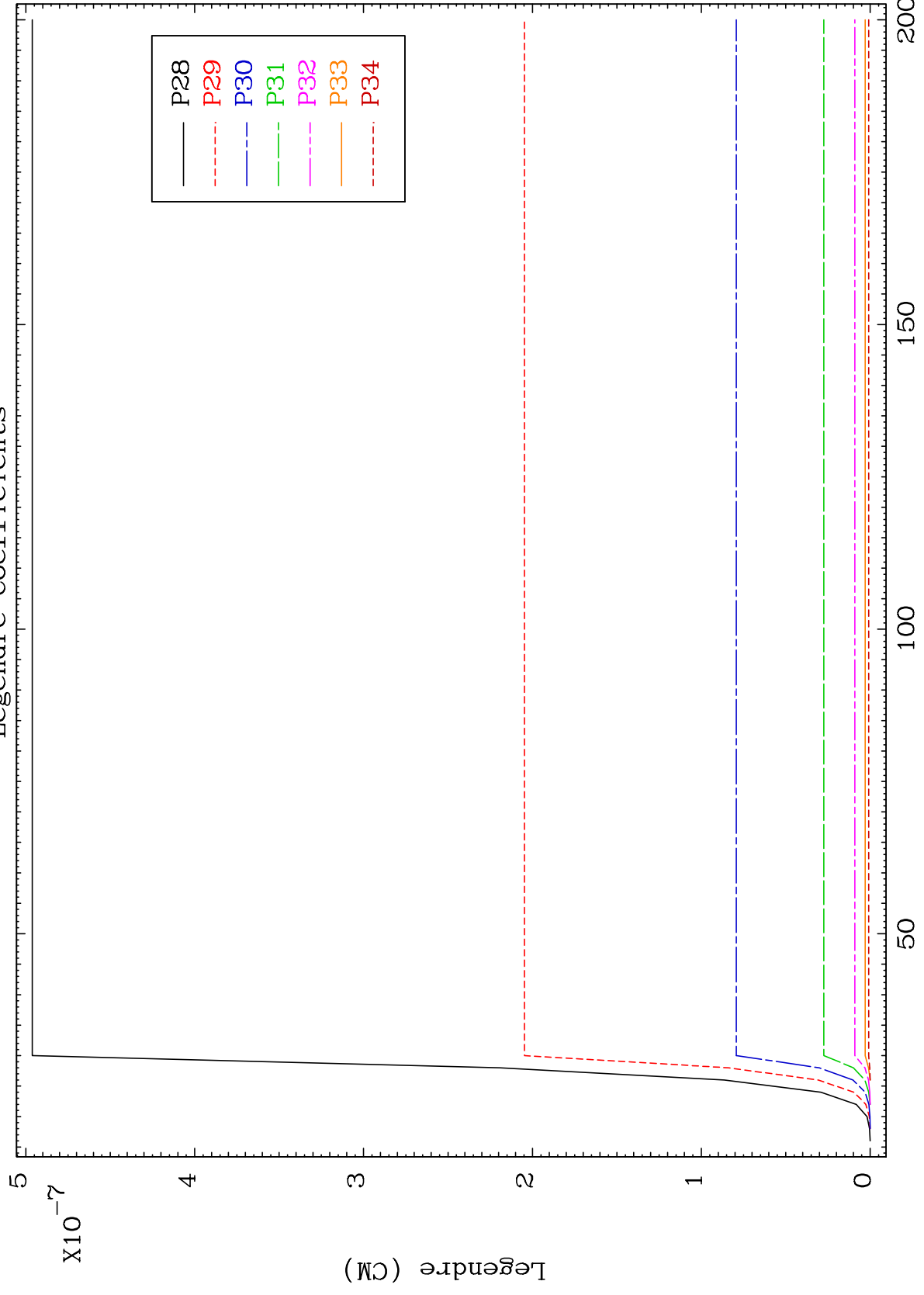
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



103

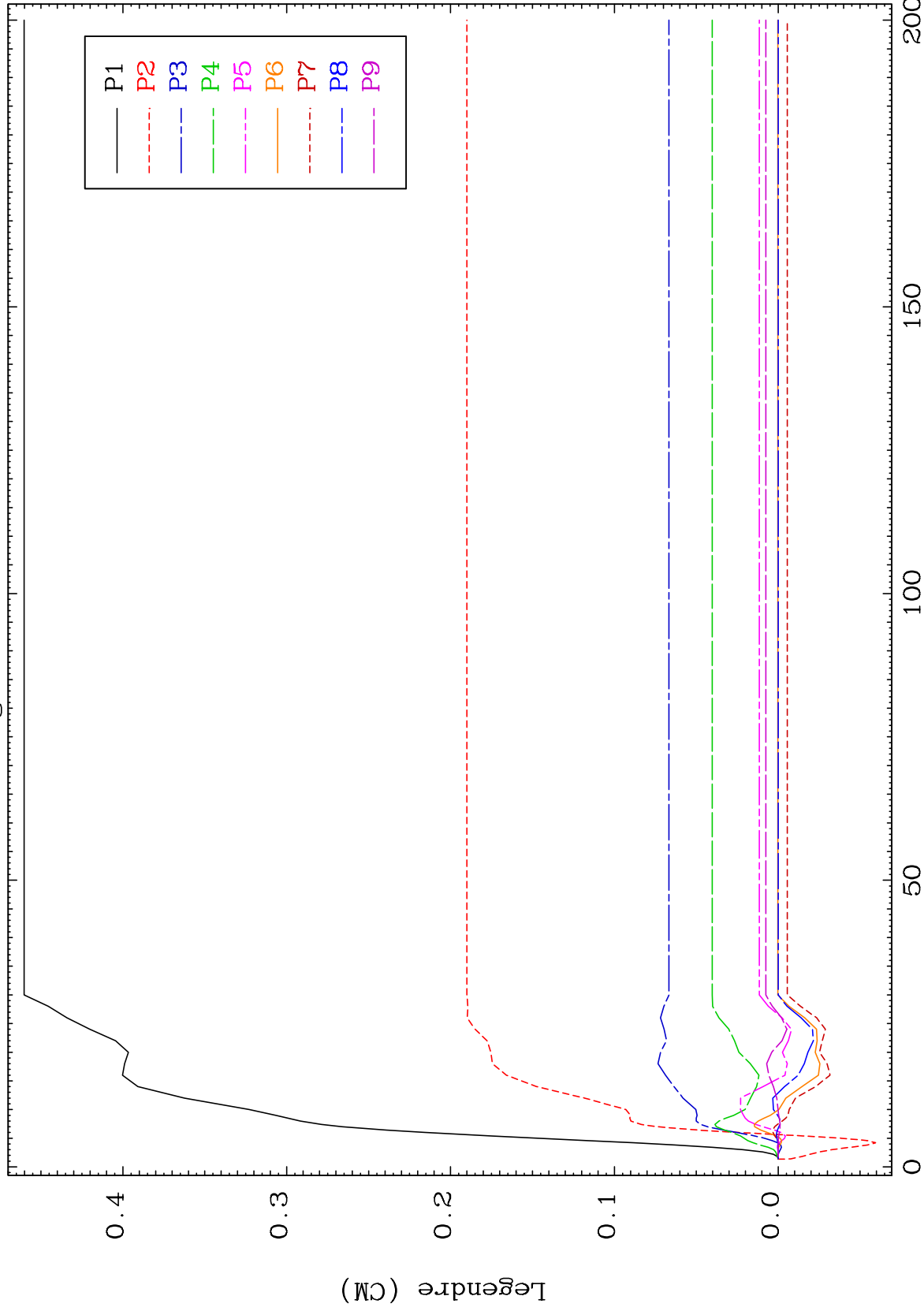
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



58-Ce-133

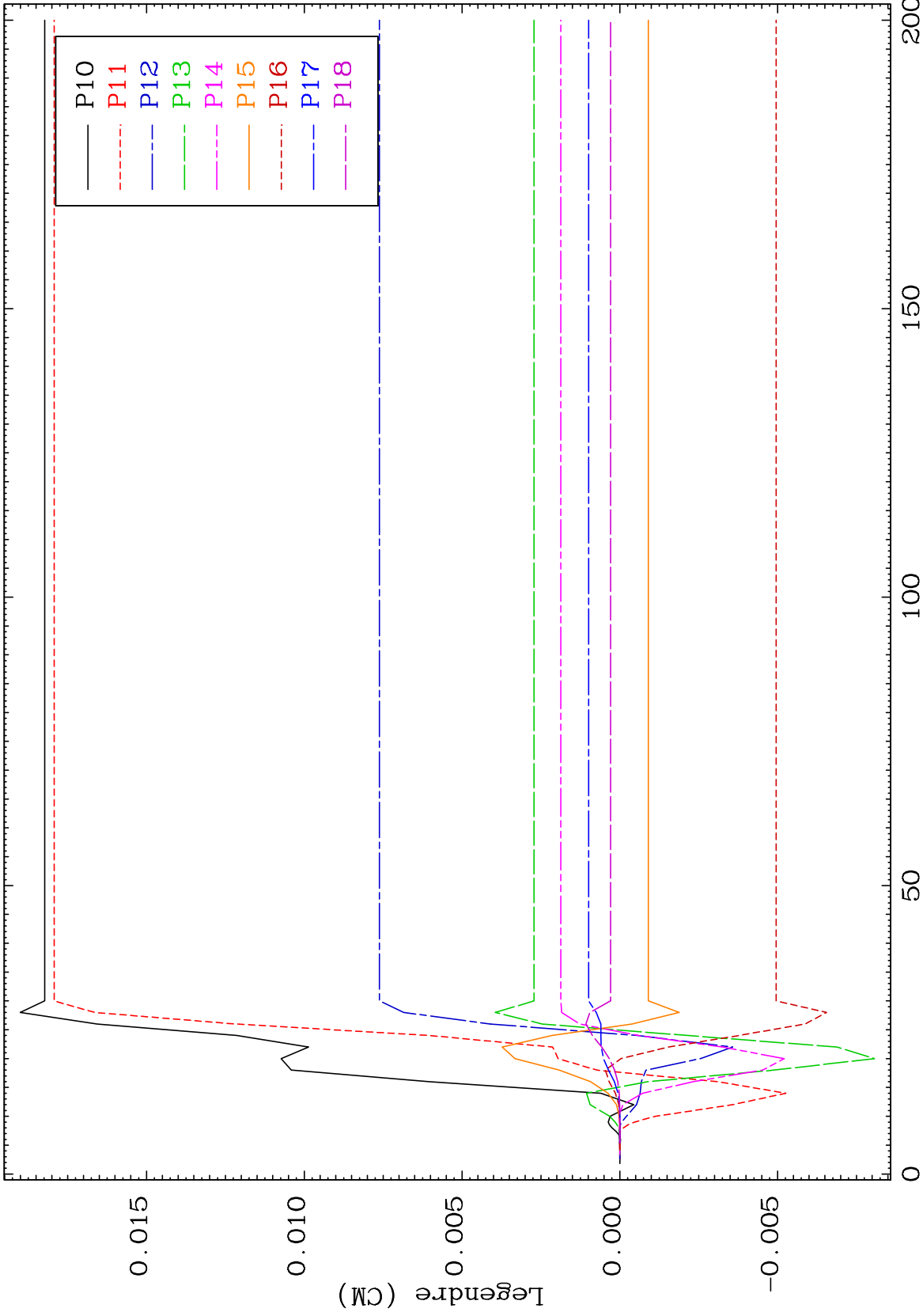
Incident Energy (MeV)

104

MAT 5816

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

58-Ce-133



58-Ce-133

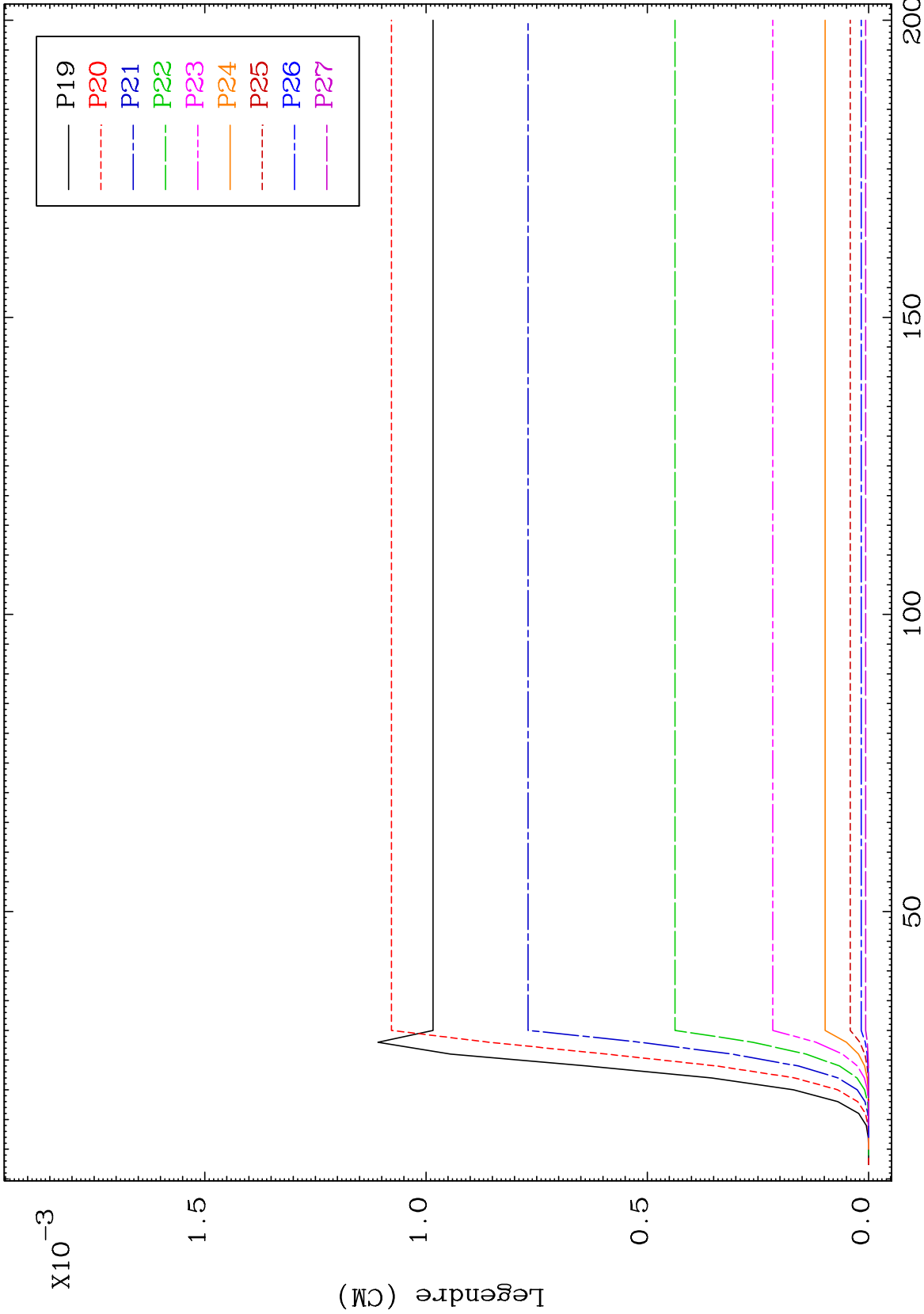
Incident Energy (MeV)

105

MAT 5816

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

58-Ce-133



106

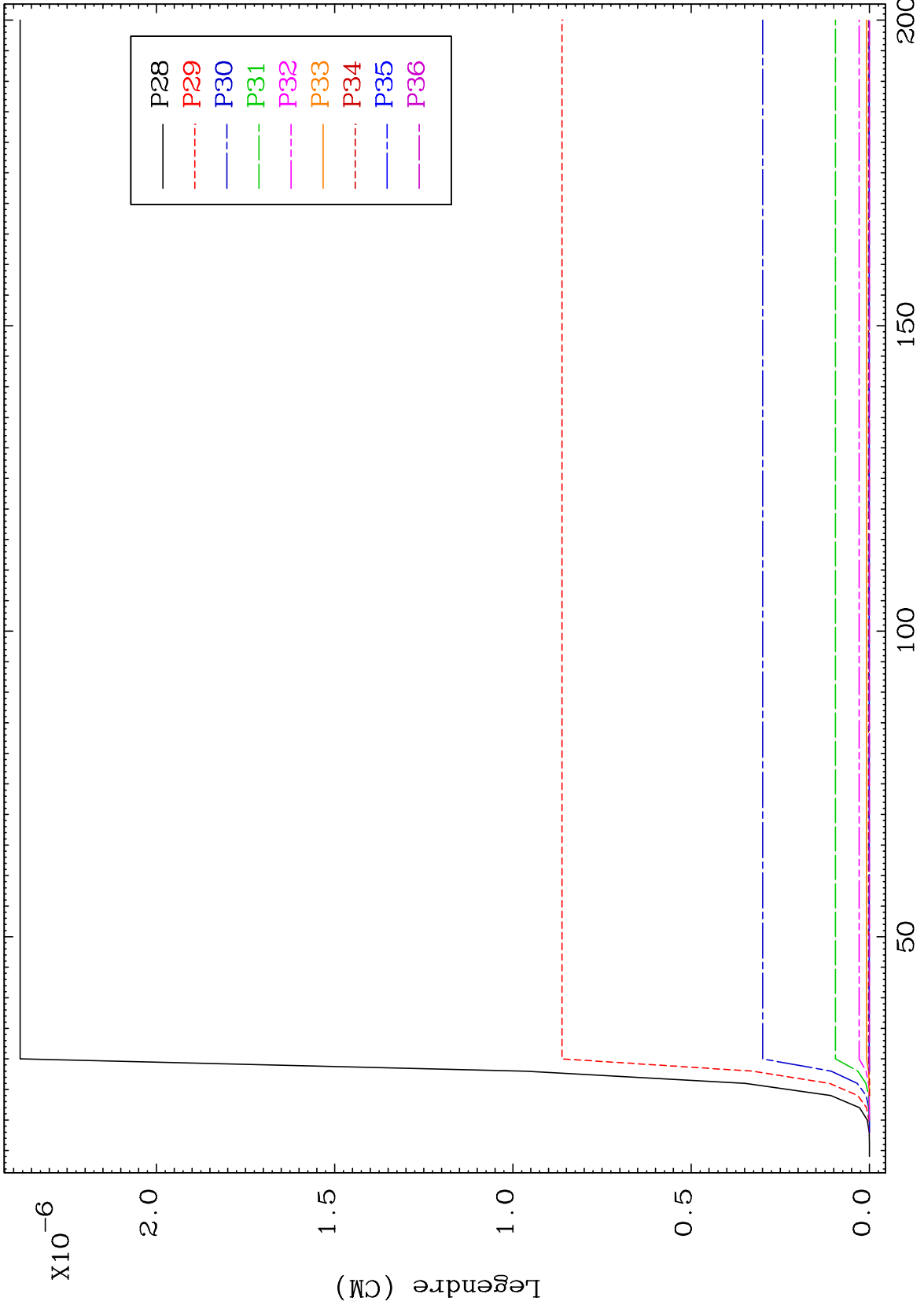
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



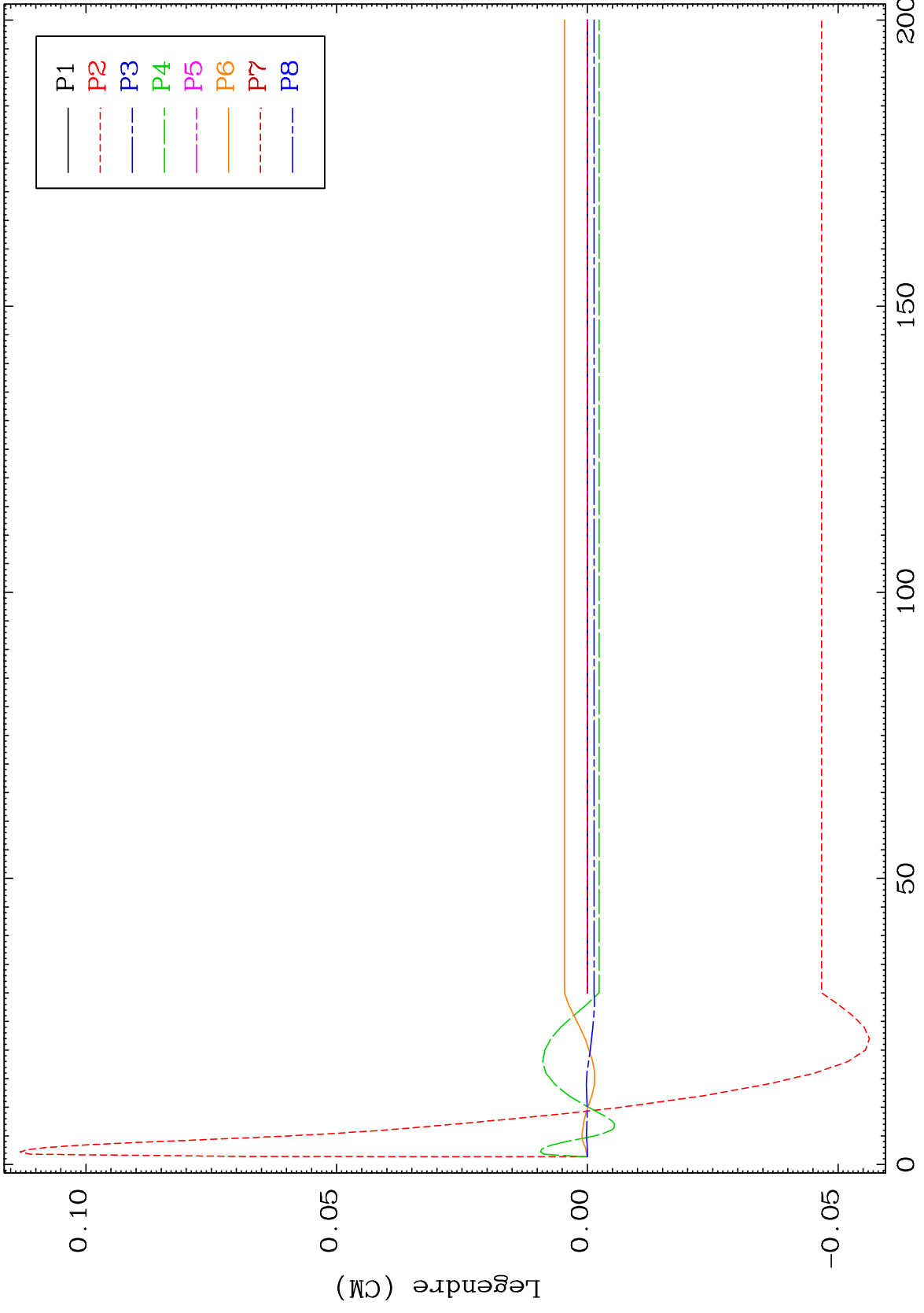
107

58-Ce-133

MAT 5816

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

58-Ce-133



108

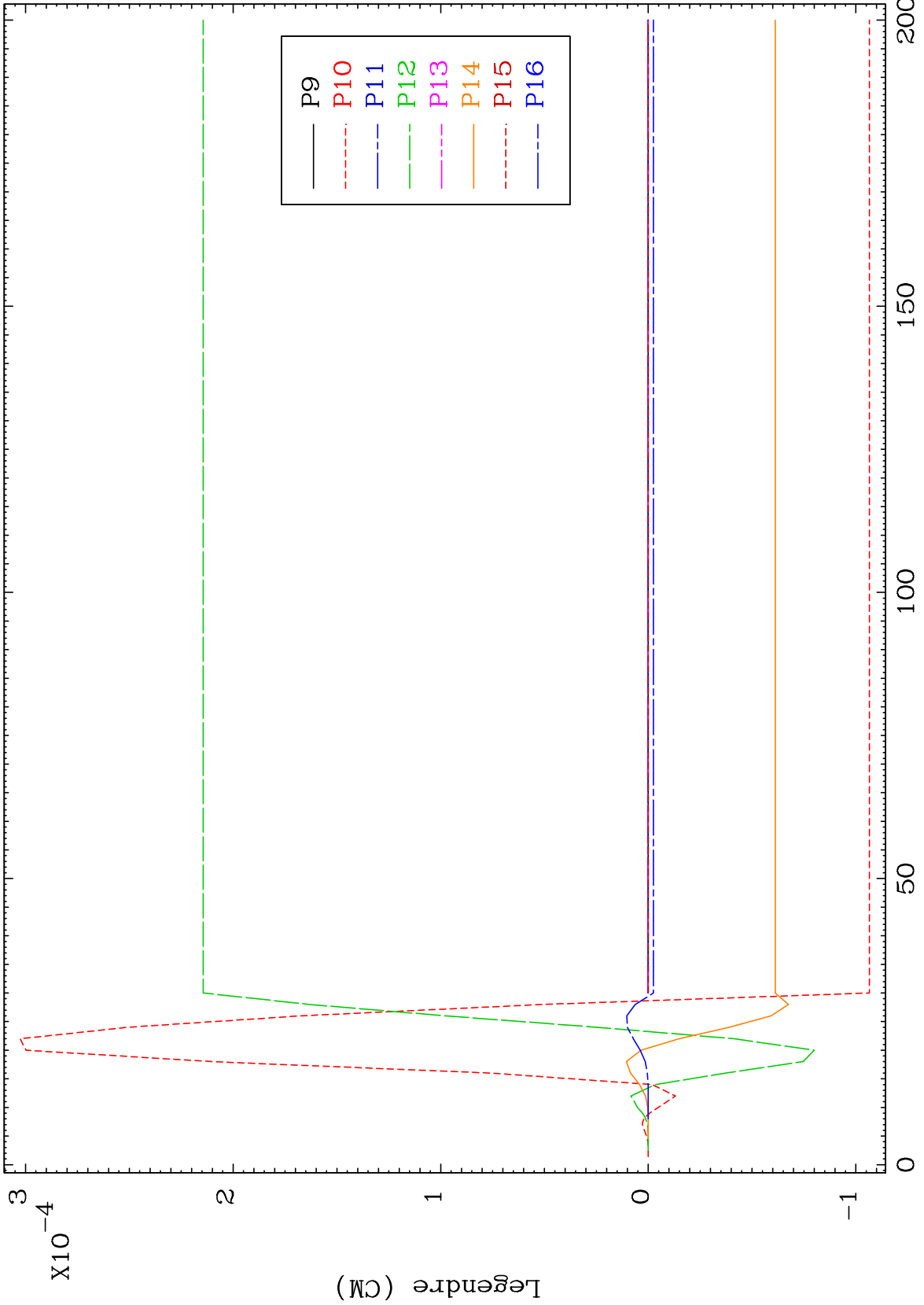
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

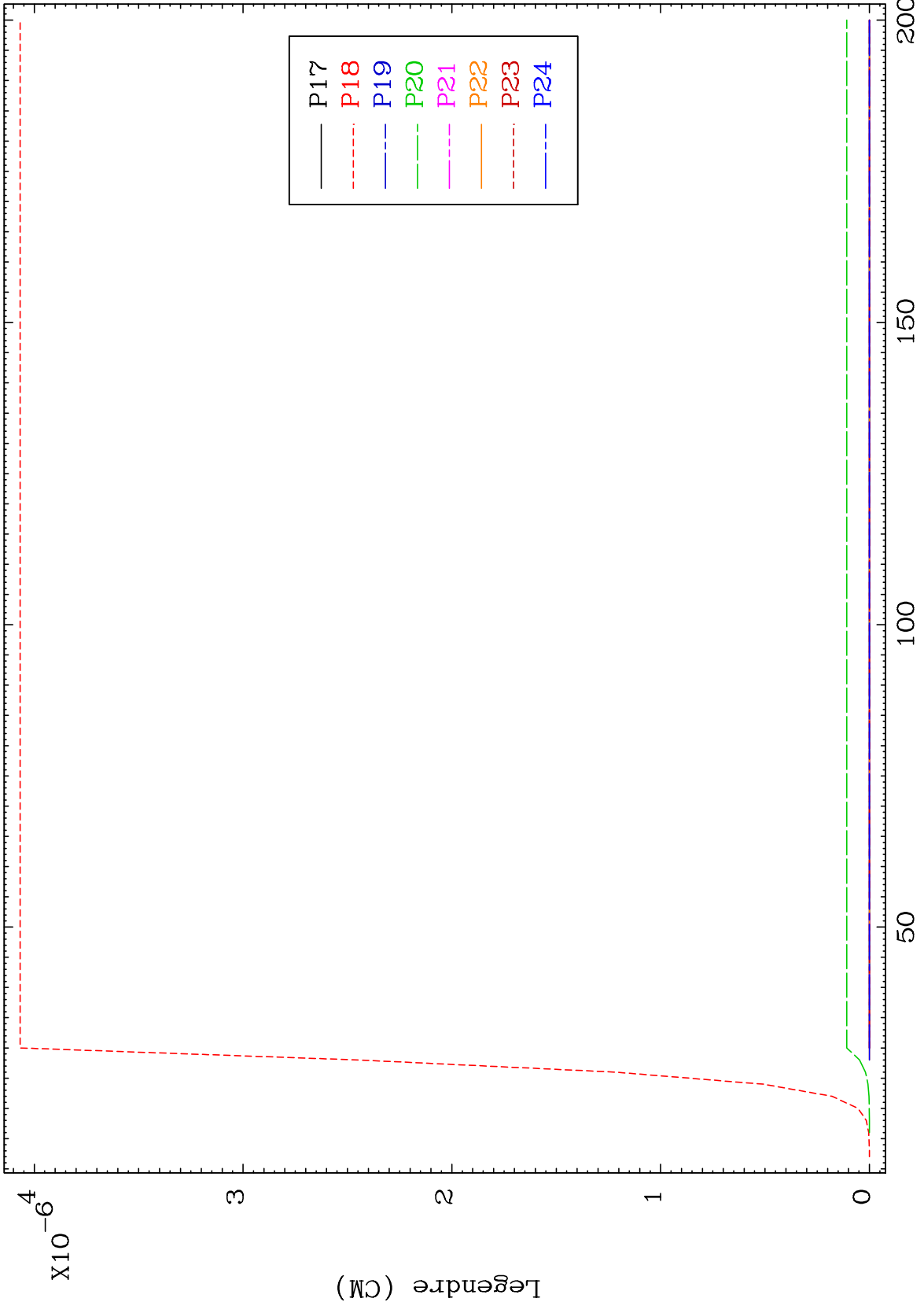
58-Ce-133



109

58-Ce-133

MAT 5816 MT= 74 (n,n') Level Legendre Coefficients 58-Ce-133

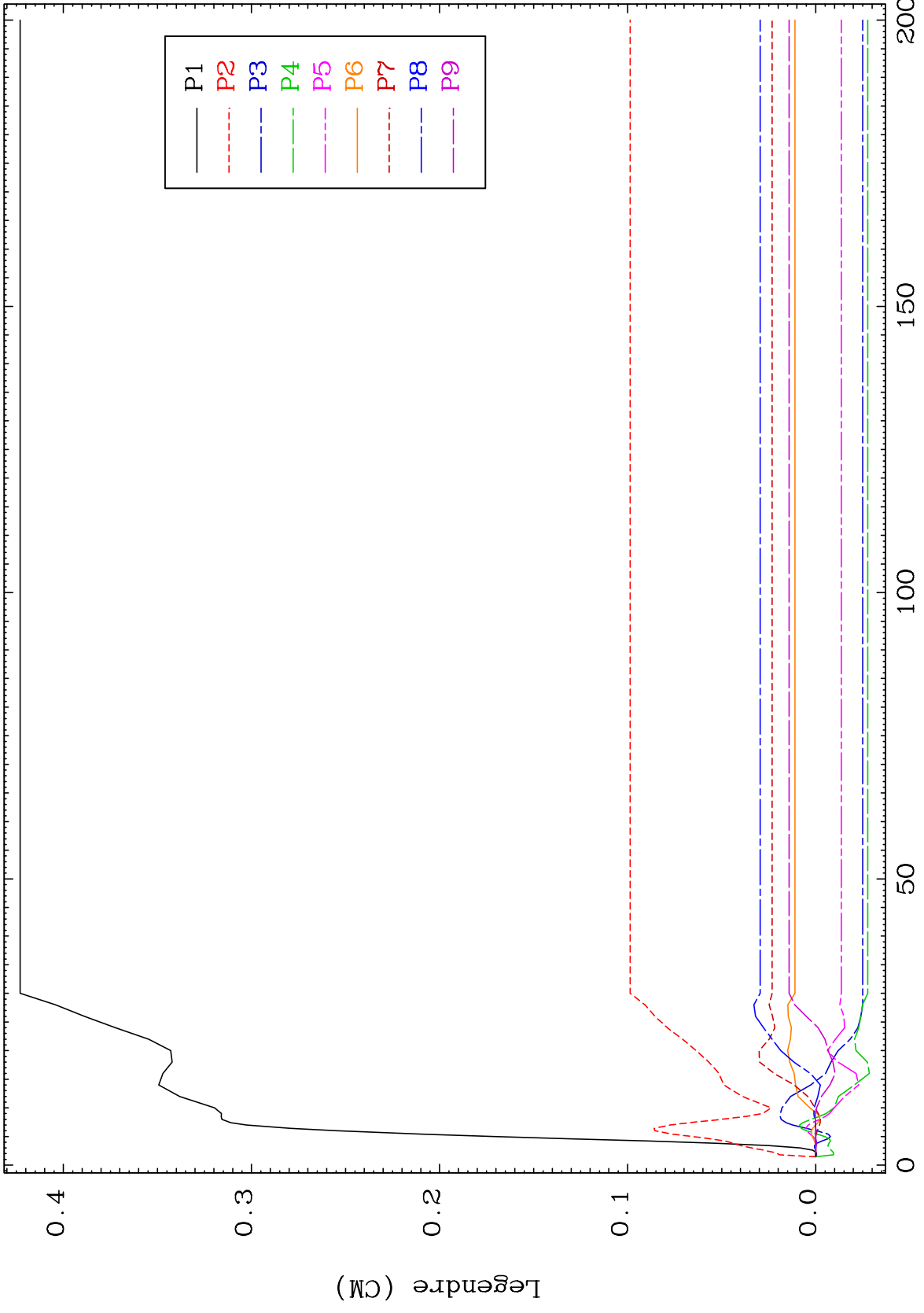


110 Incident Energy (MeV) 58-Ce-133

MAT 5816

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

58-Ce-133



111

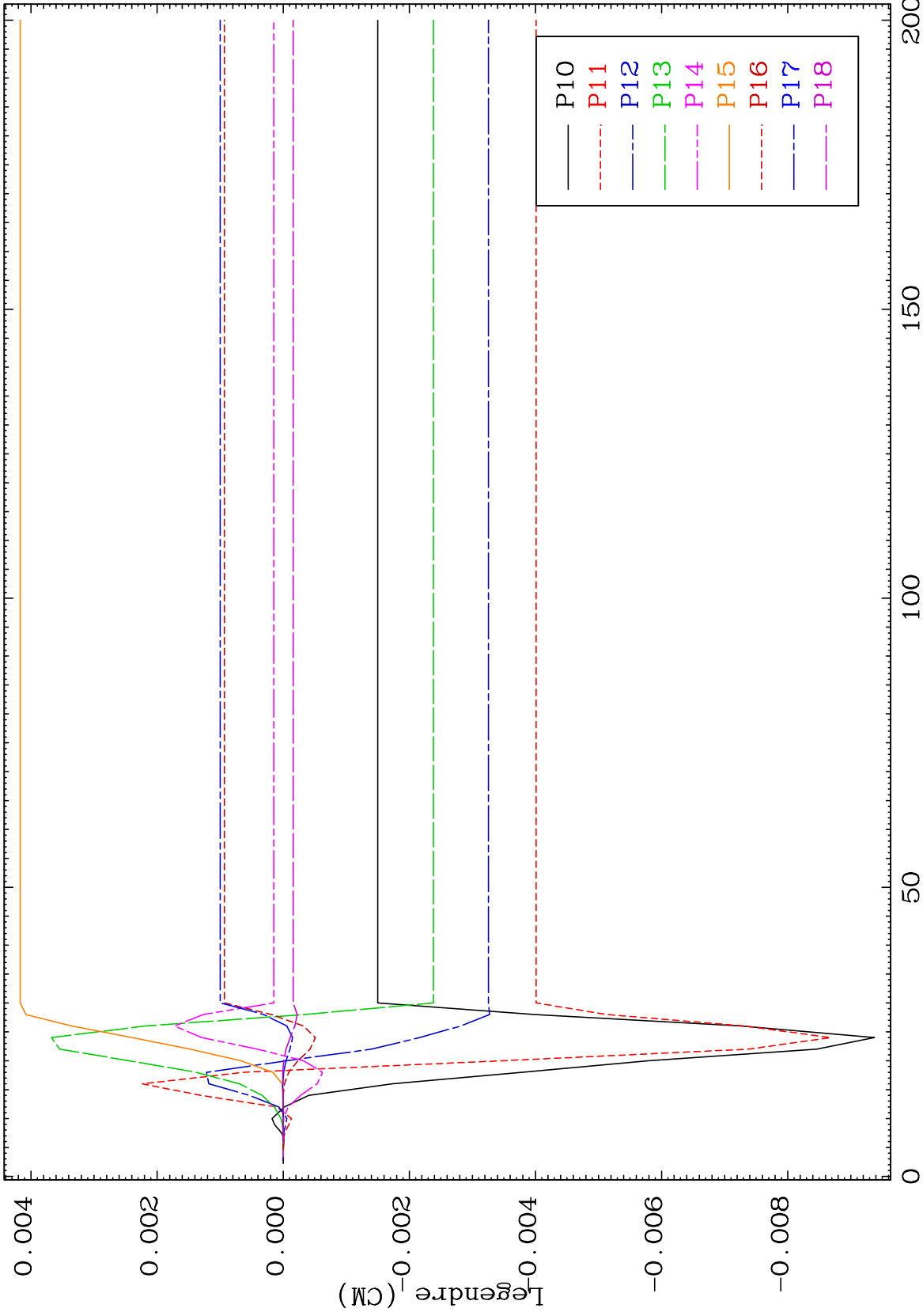
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



112

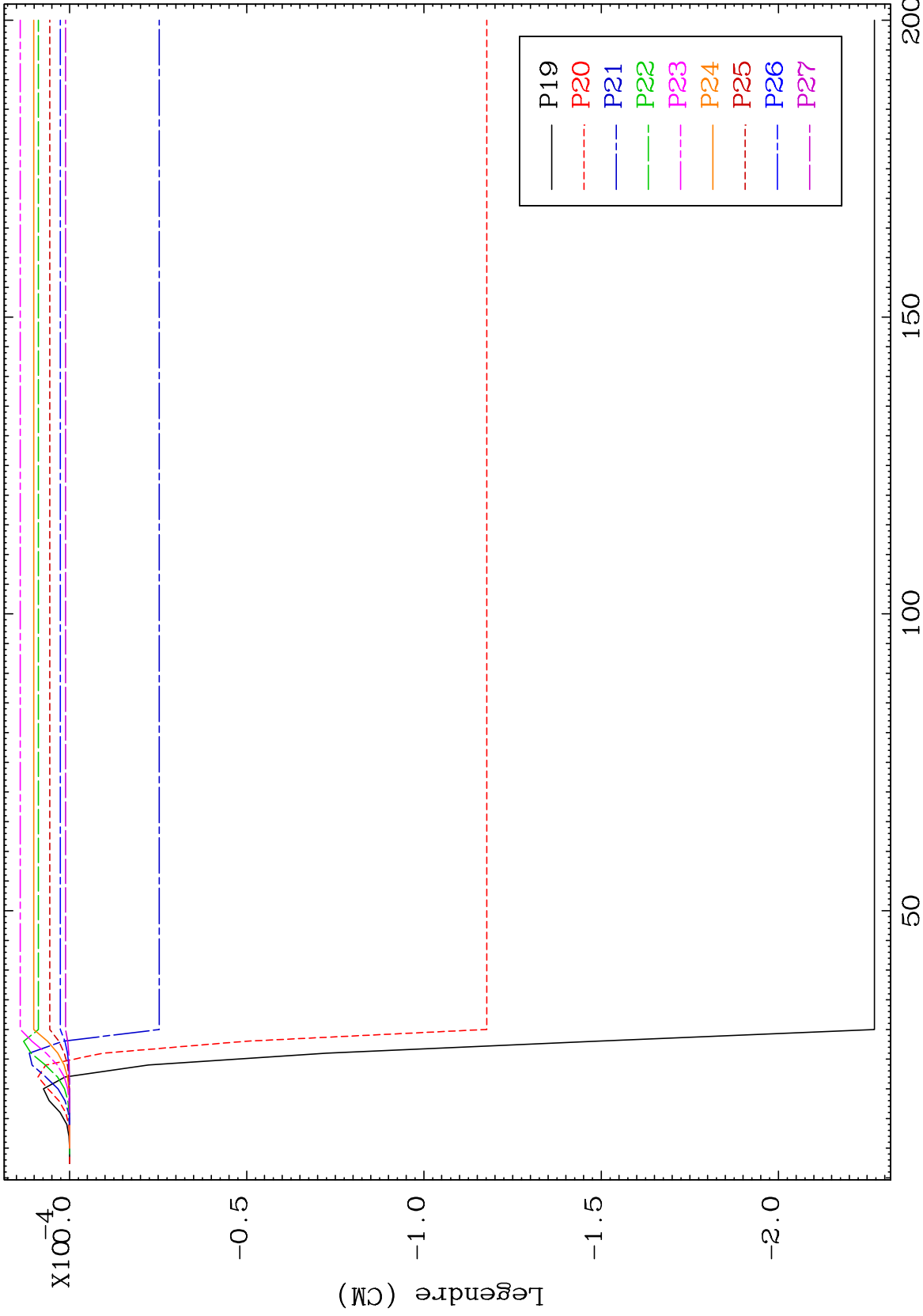
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



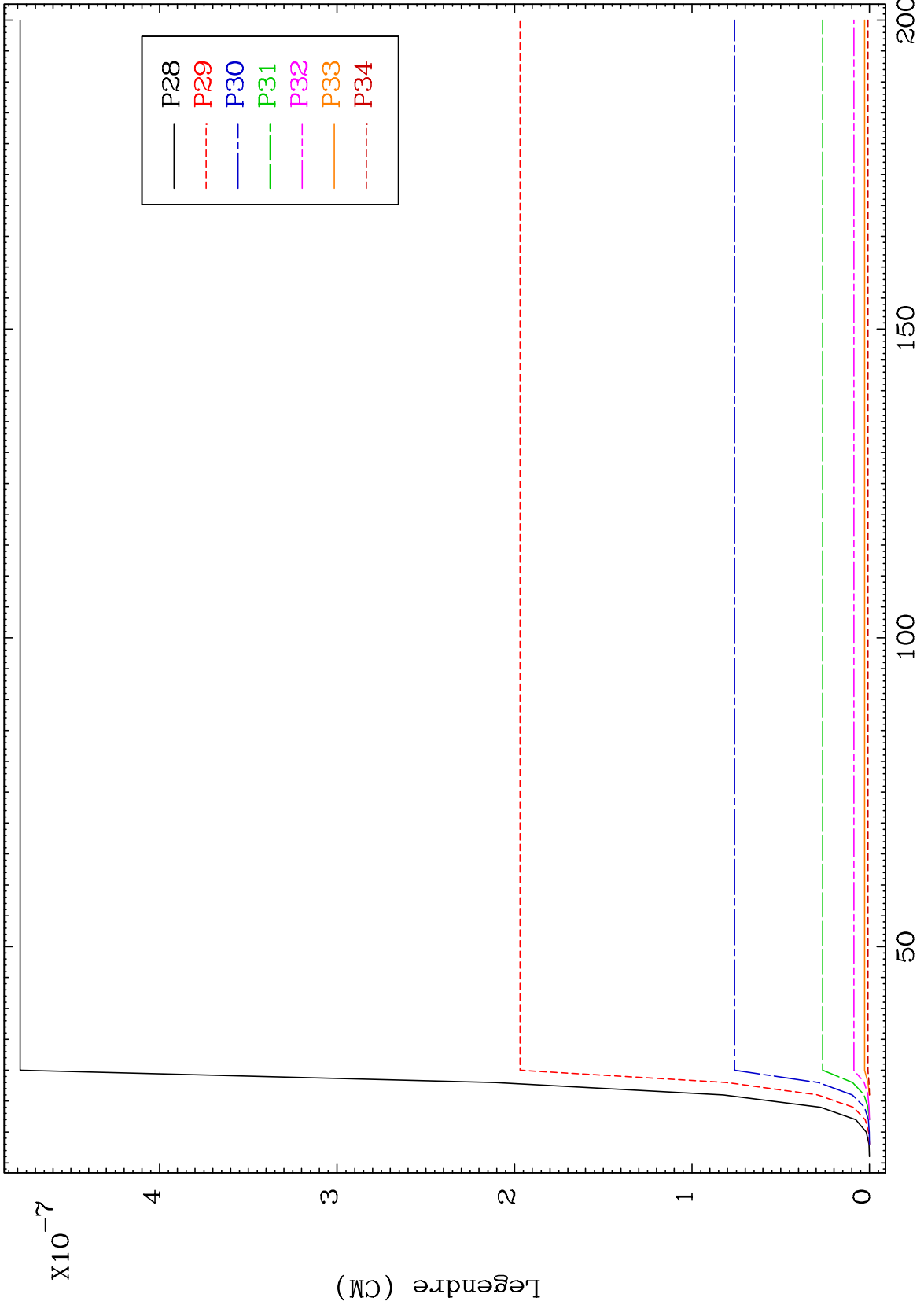
113

58-Ce-133

MAT 5816

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

58-Ce-133



114

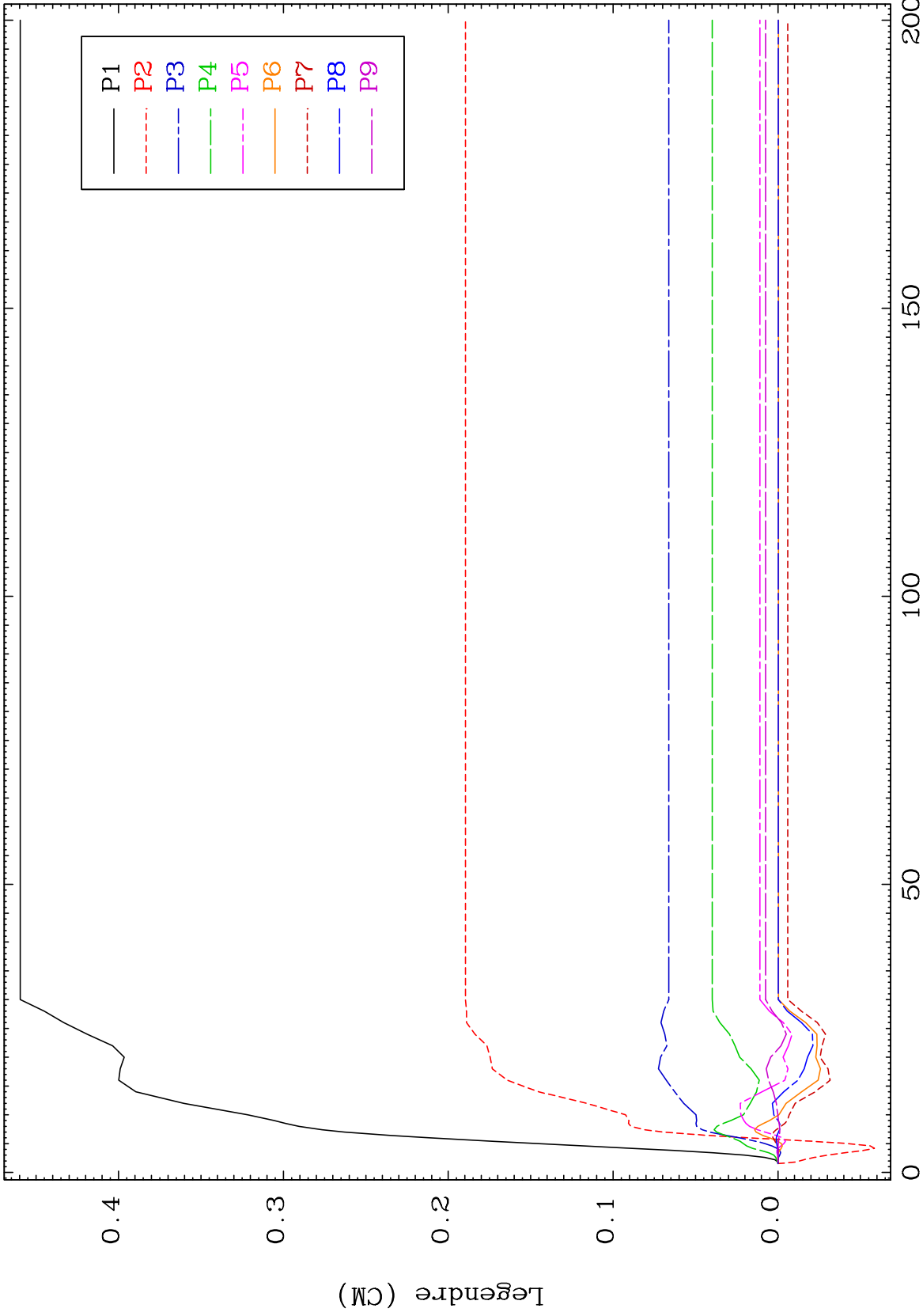
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



115

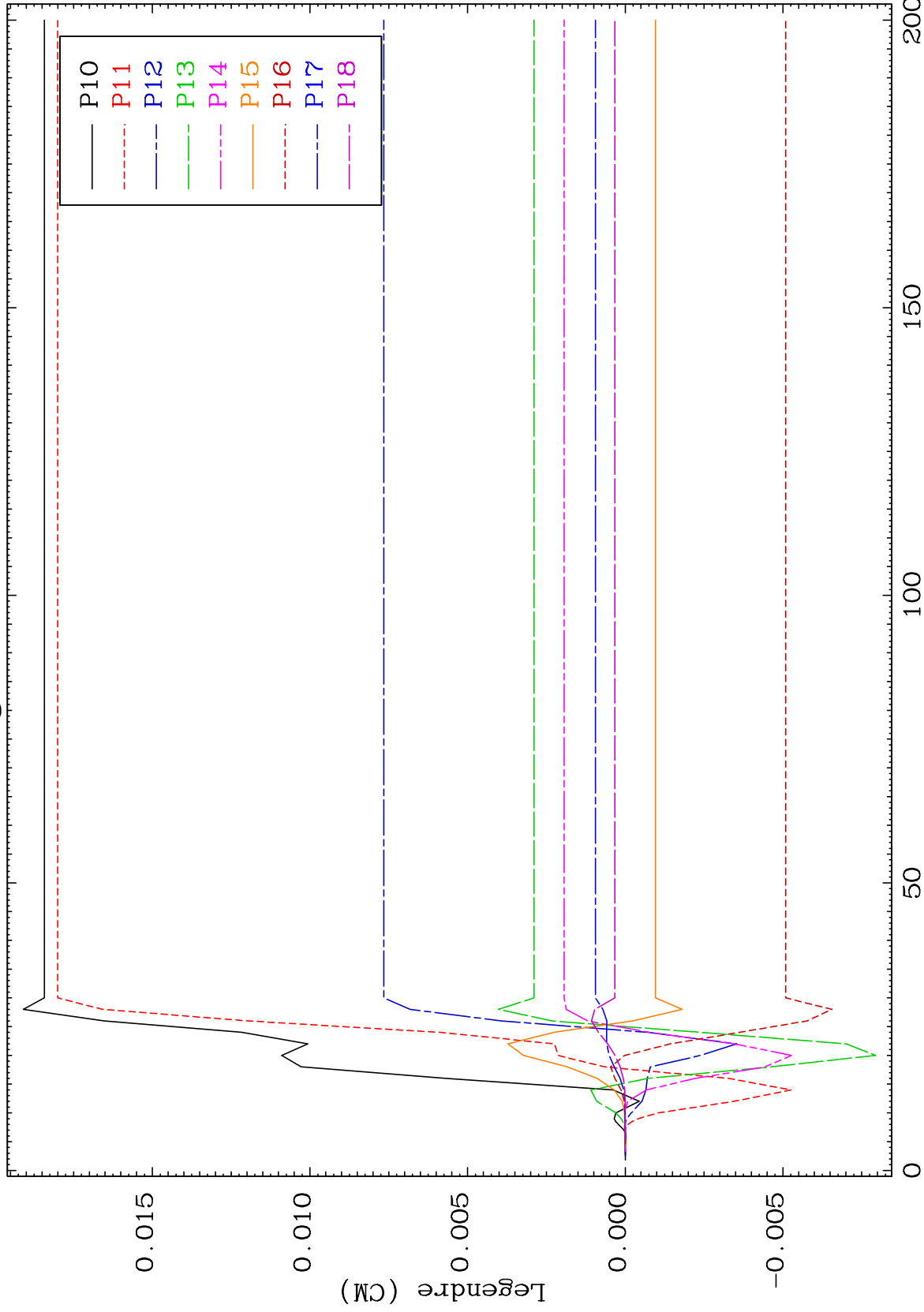
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



116

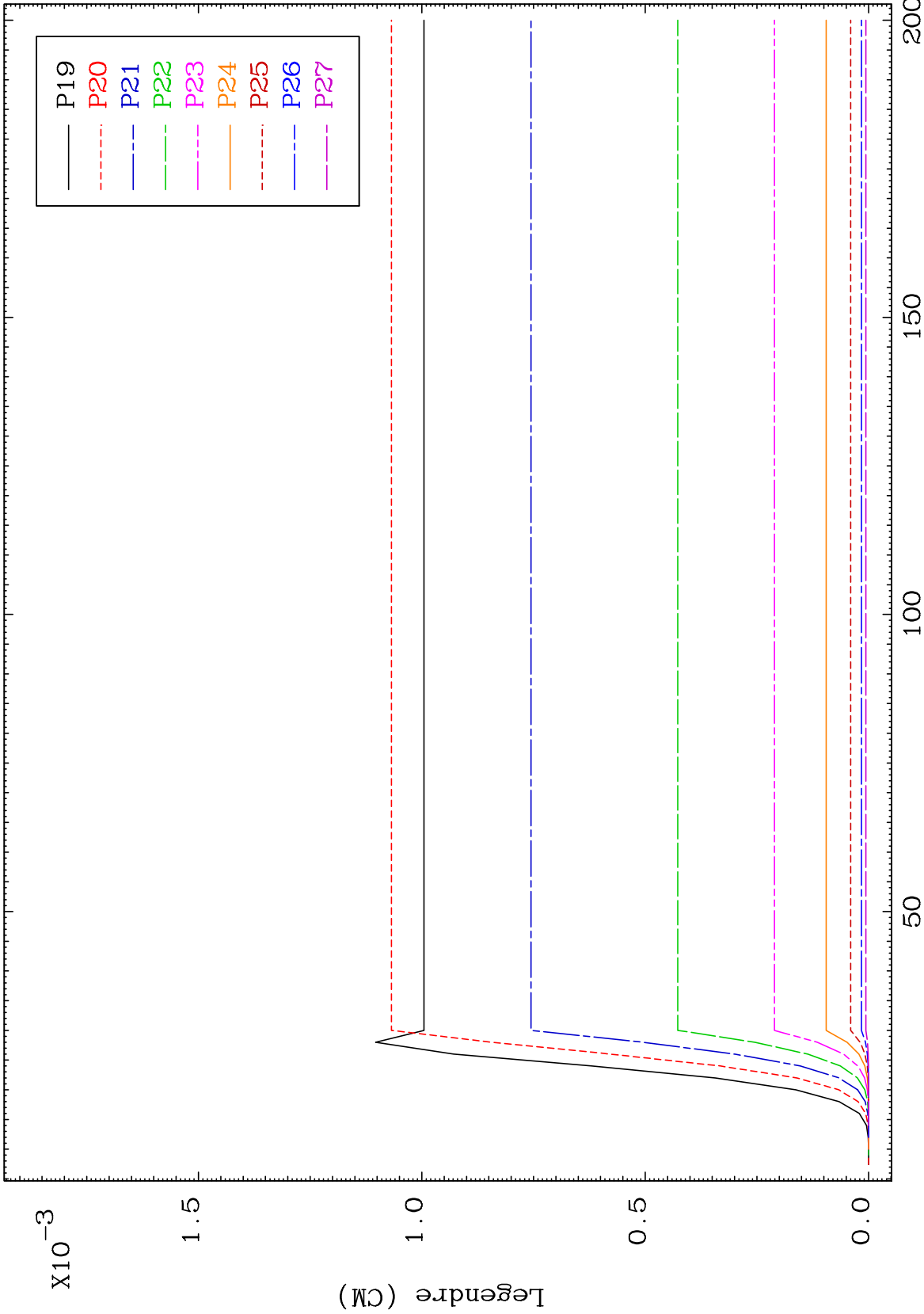
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



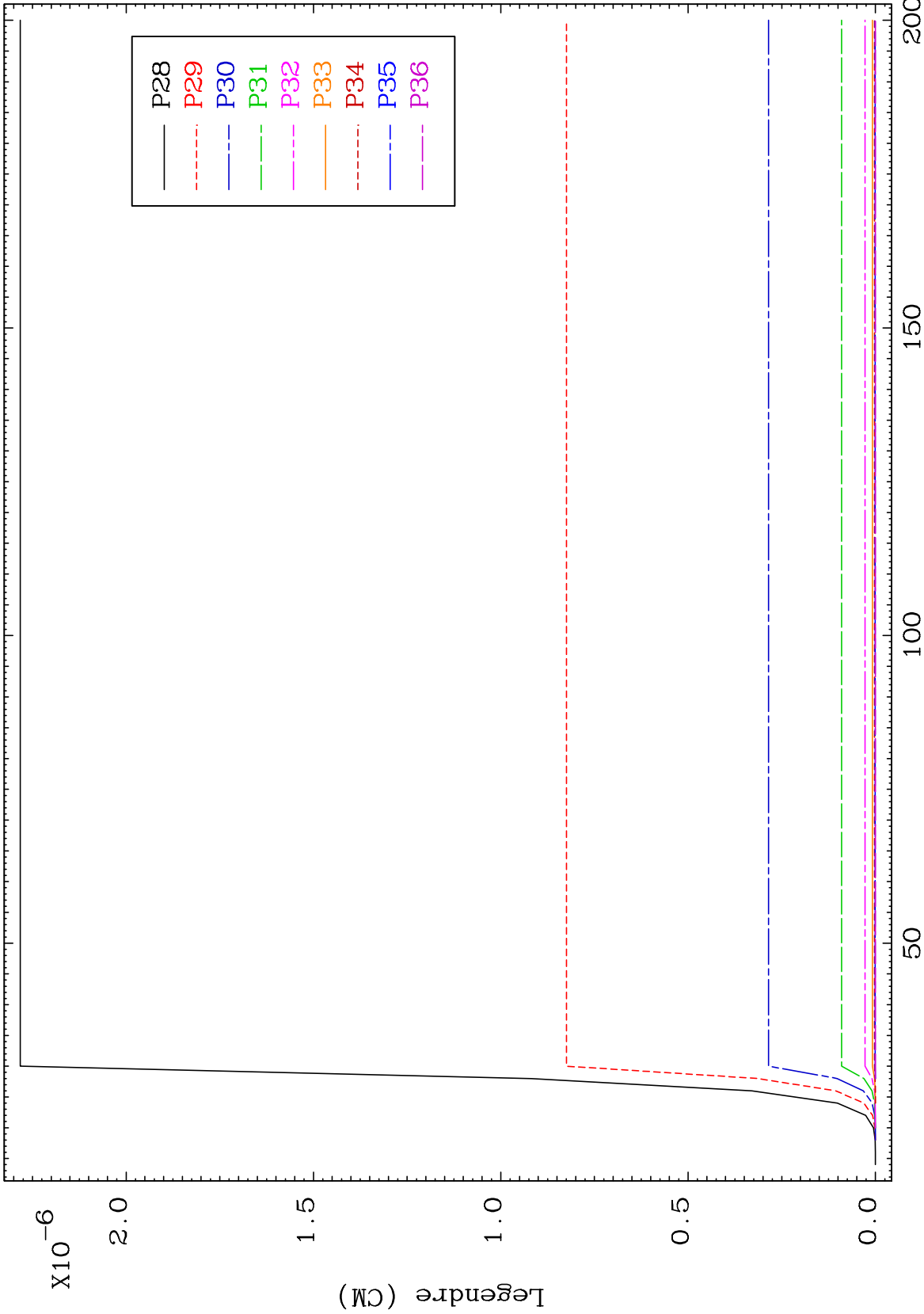
117

58-Ce-133

MAT 5816

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

58-Ce-133



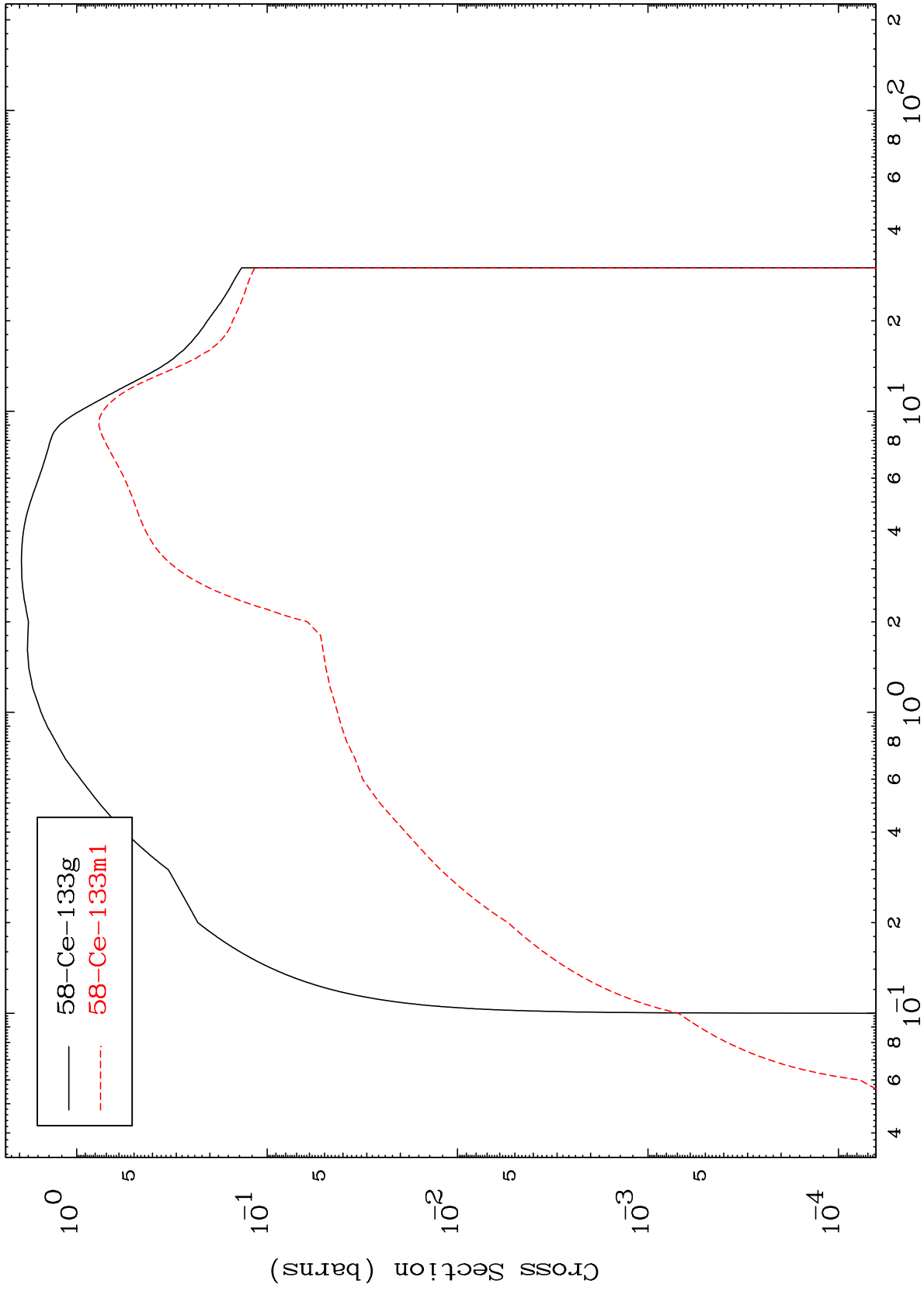
118

58-Ce-133

MAT 5816

58-Ce-133

Inelastic
Radionuclide Production Cross Section



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

119

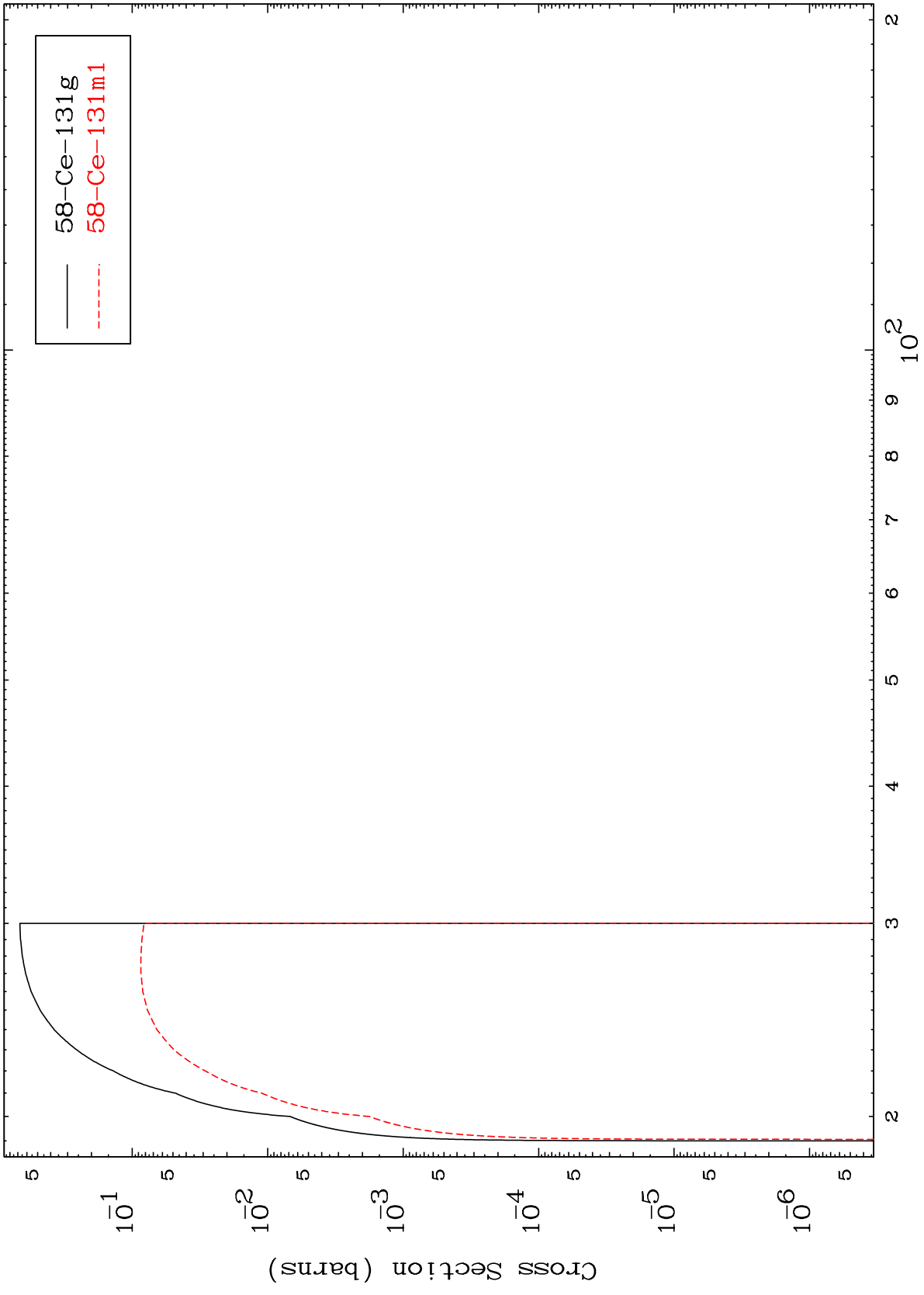
58-Ce-133

MAT 5816

(n,3n)

58-Ce-133

Radionuclide Production Cross Section



120

Incident Energy (MeV)

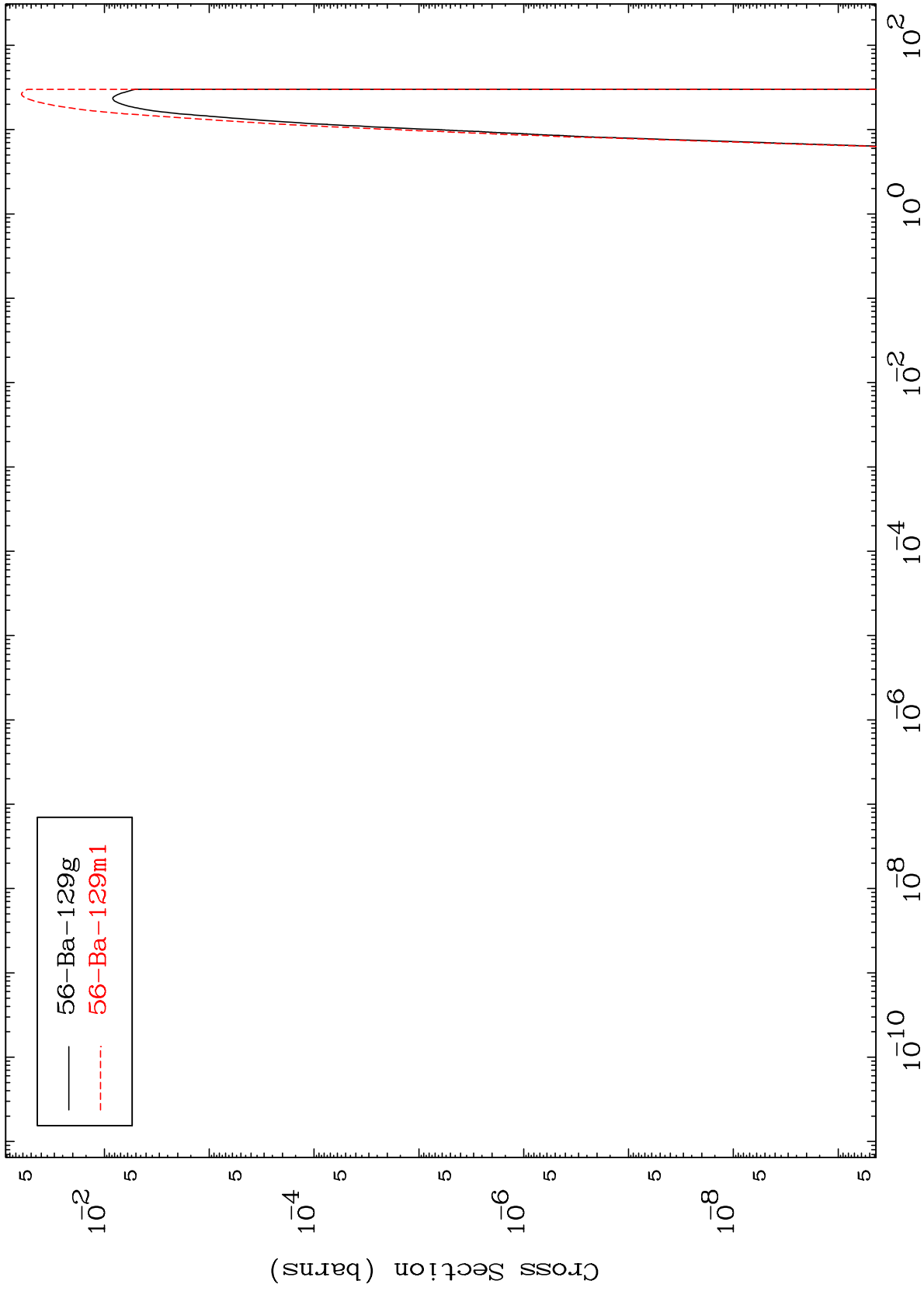
58-Ce-133

MAT 5816

(n,n') α

58-Ce-133

Radionuclide Production Cross Section



121

Incident Energy (MeV)

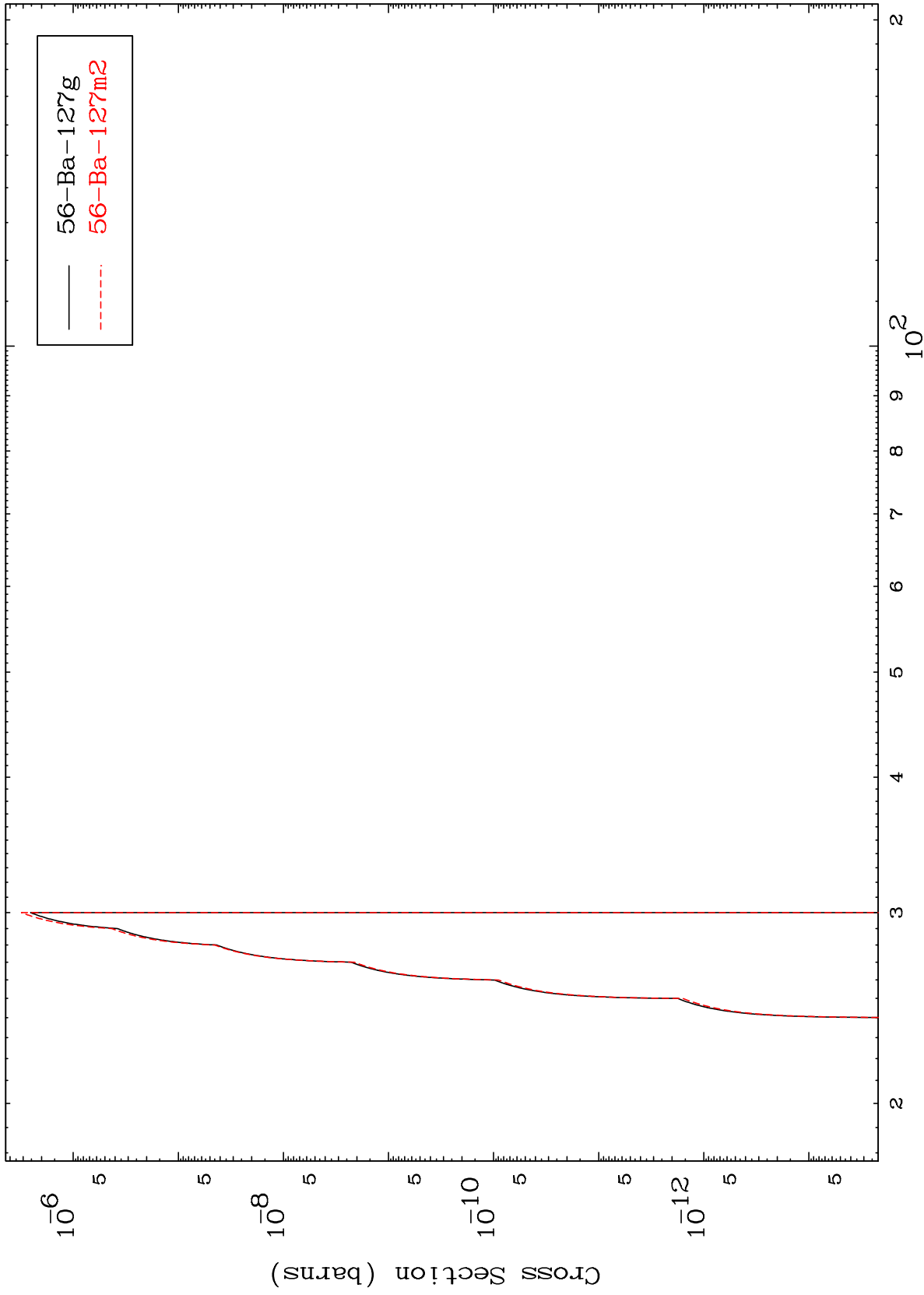
58-Ce-133

MAT 5816

(n,3n) α

58-Ce-133

Radionuclide Production Cross Section



122

Incident Energy (MeV)

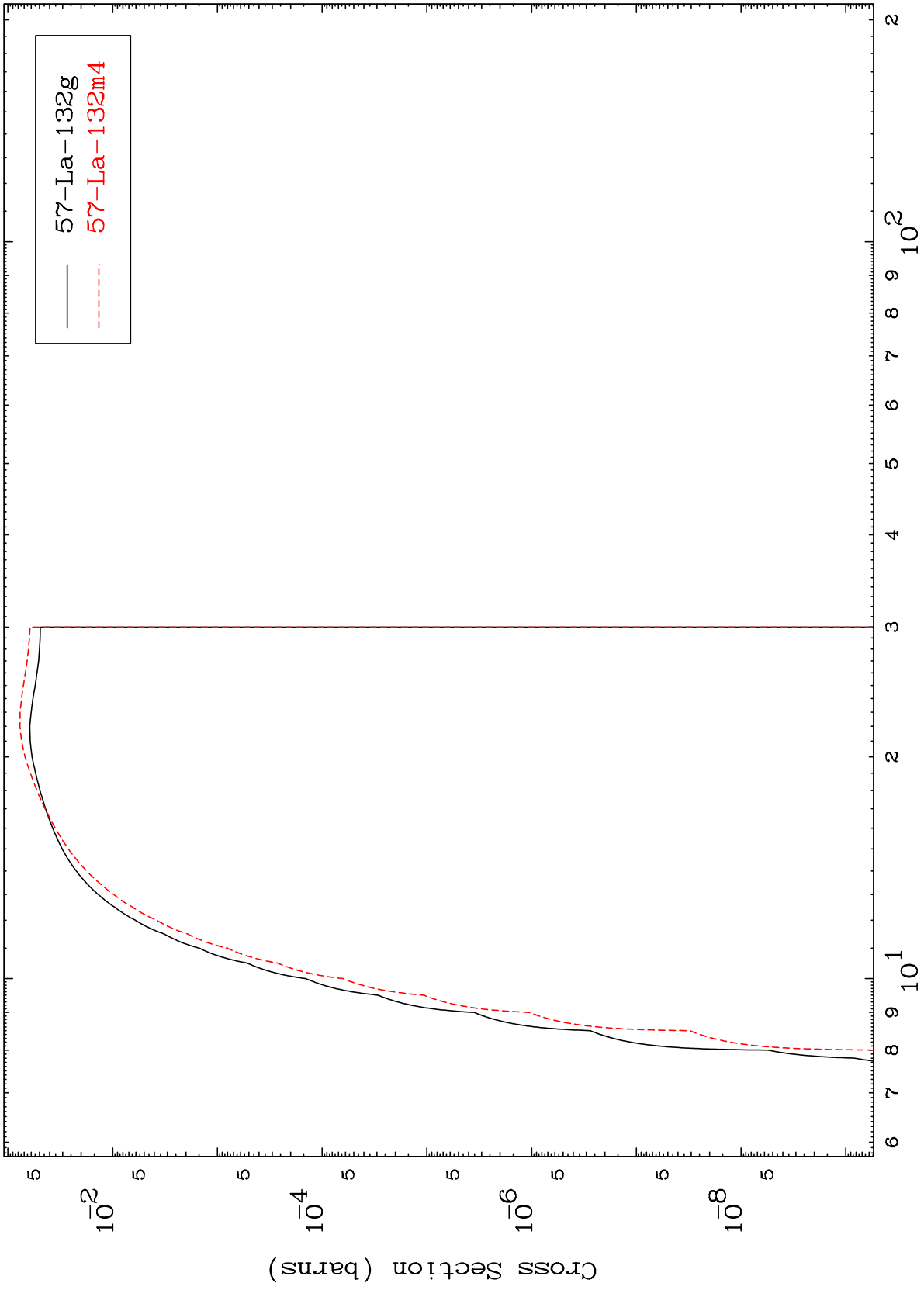
58-Ce-133

MAT 5816

(n,n') p

58-Ce-133

Radionuclide Production Cross Section



123

Incident Energy (MeV)

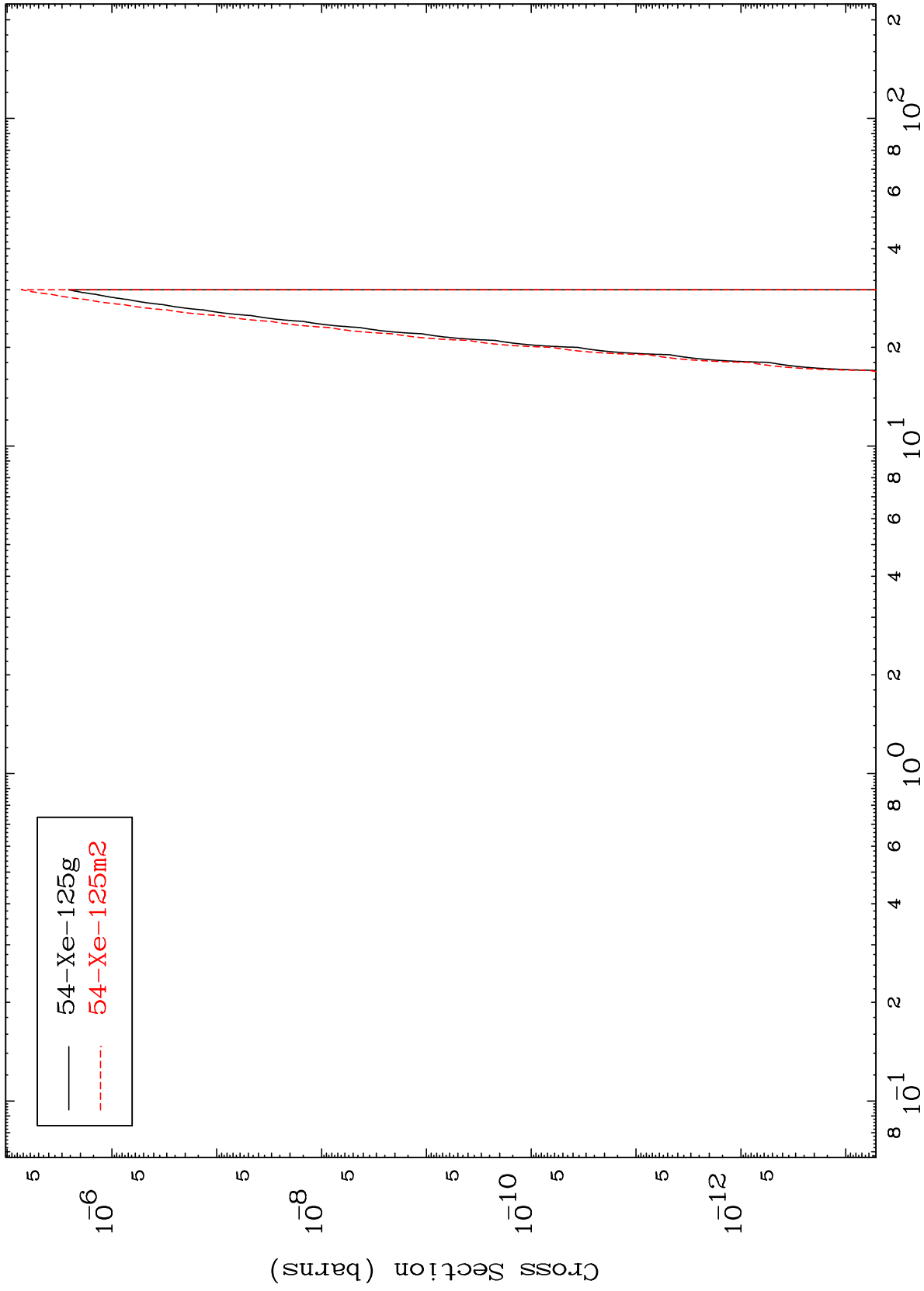
58-Ce-133

MAT 5816

(n,n') 2 α

58-Ce-133

Radionuclide Production Cross Section



124

Incident Energy (MeV)

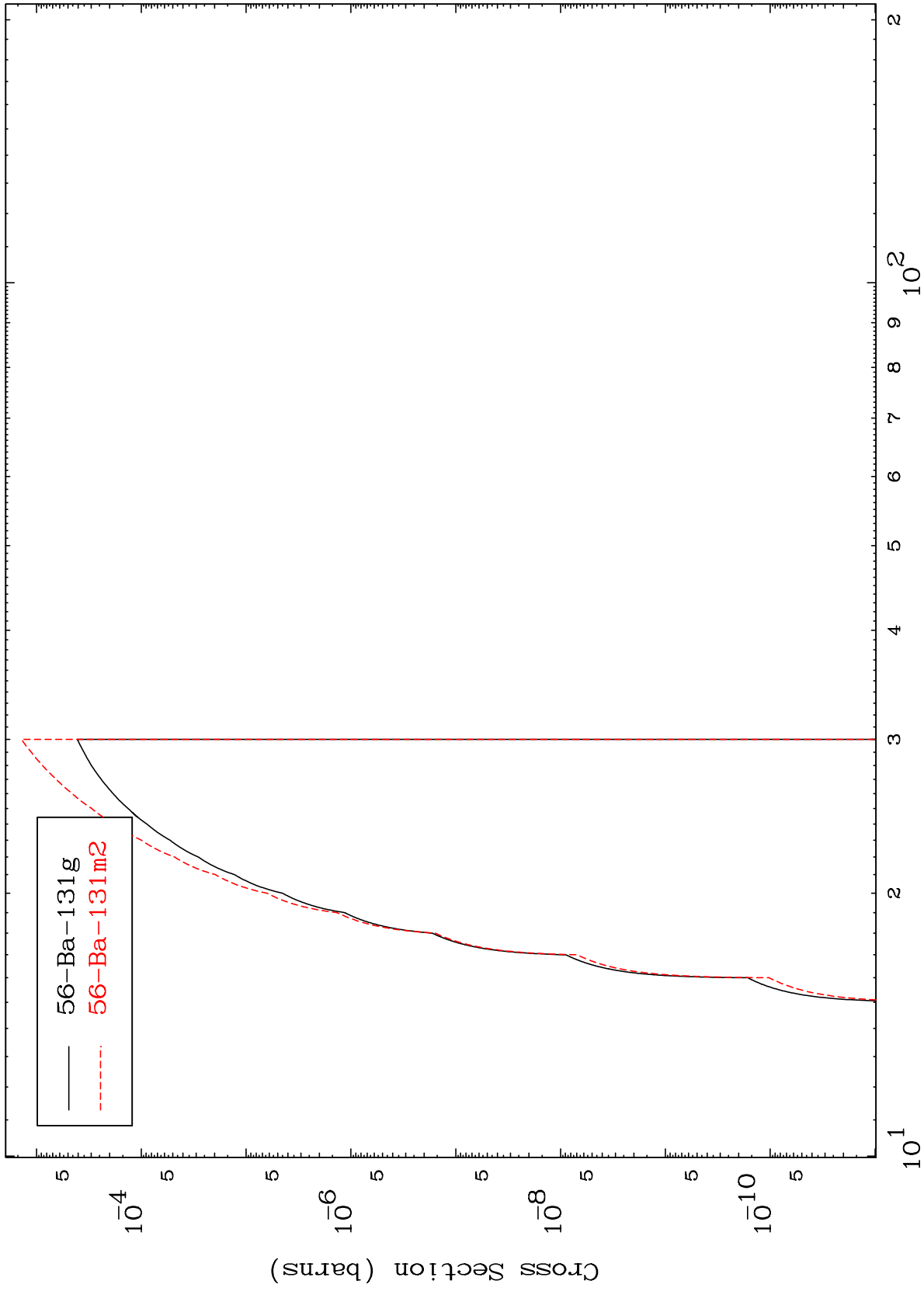
58-Ce-133

MAT 5816

(n,2n) p

58-Ce-133

Radionuclide Production Cross Section



125

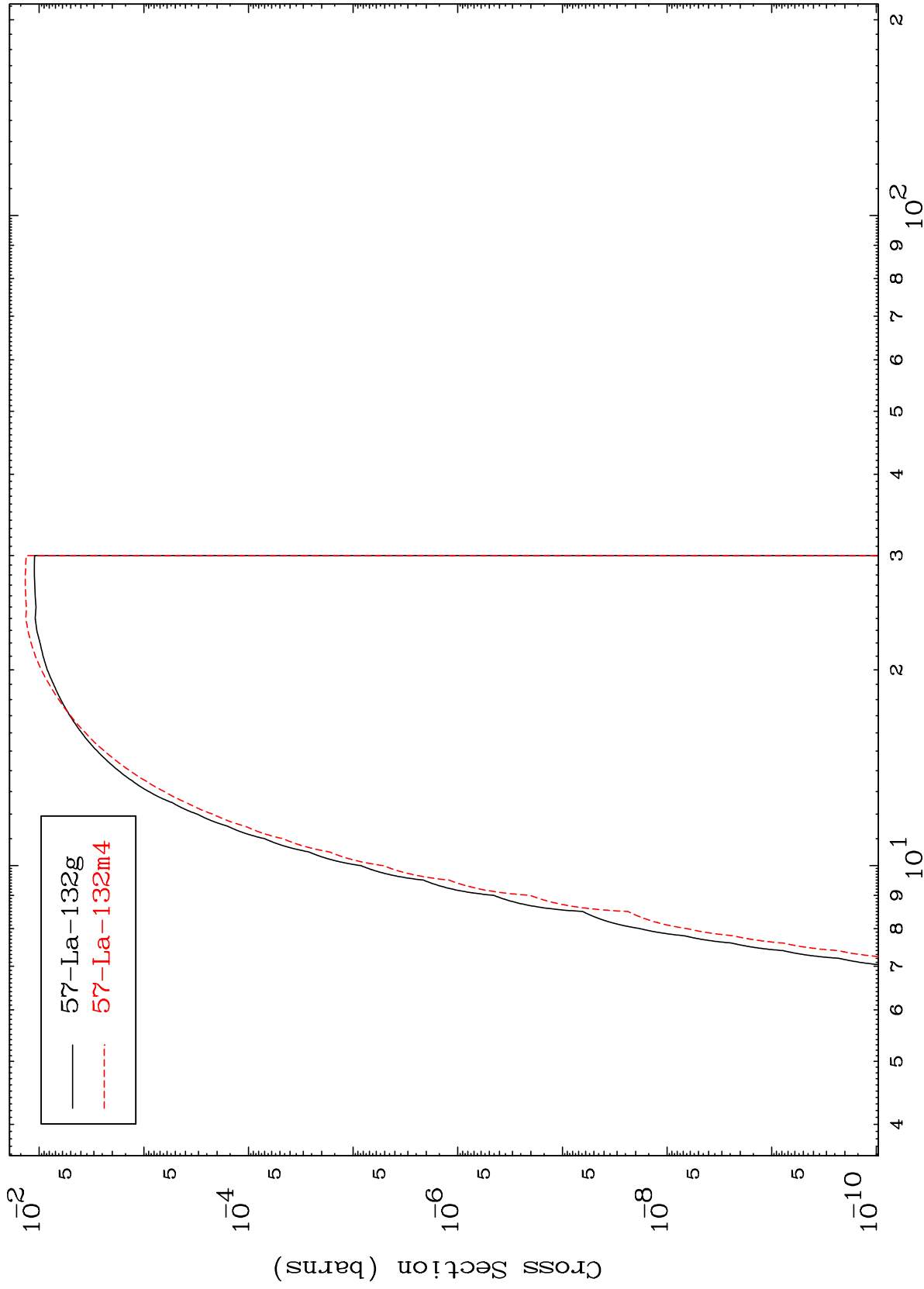
Incident Energy (MeV)

58-Ce-133

MAT 5816

58-Ce-133

(n,d)
Radionuclide Production Cross Section



126

Incident Energy (MeV)

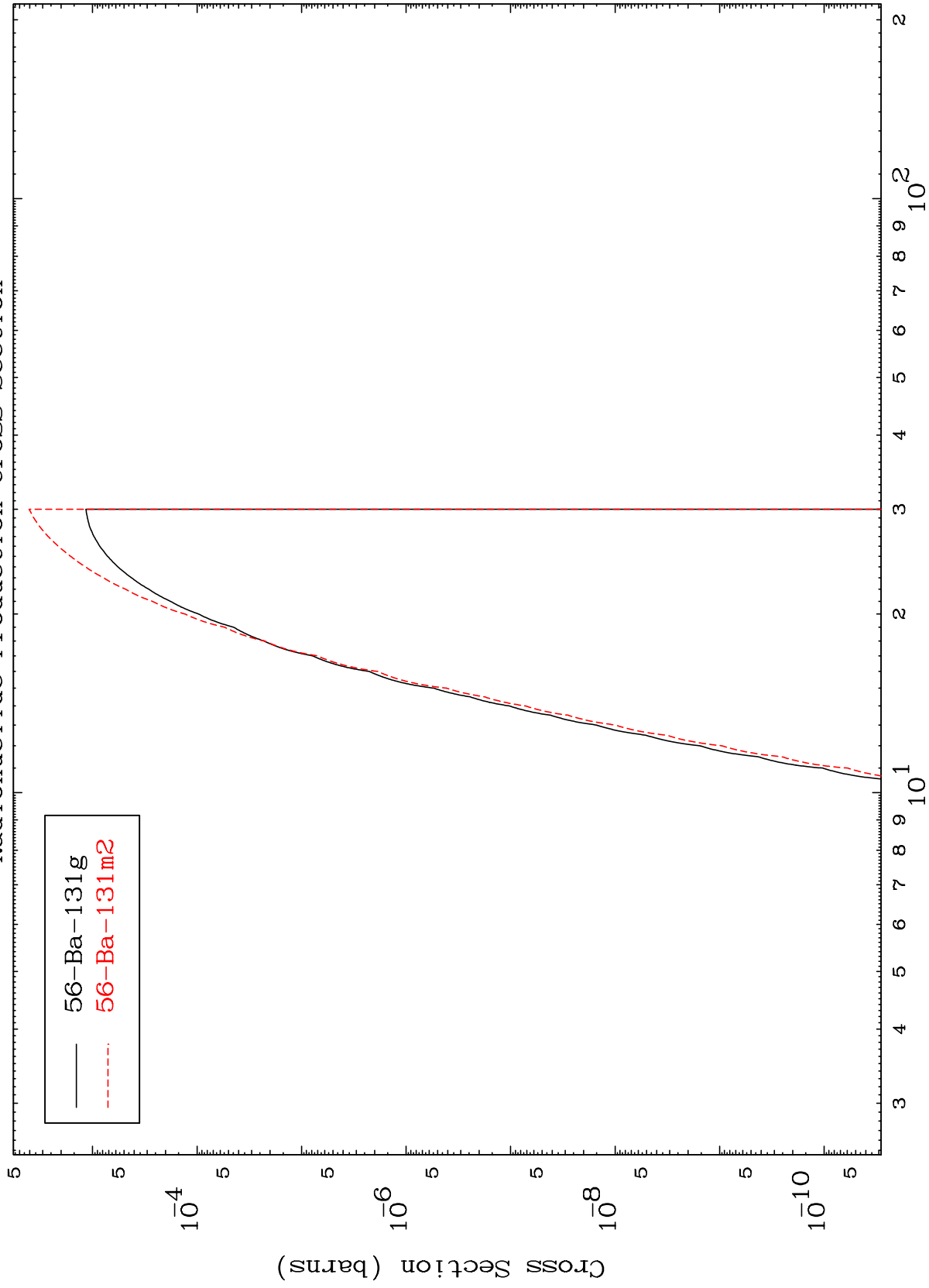
58-Ce-133

MAT 5816

(n, He-3)

58-Ce-133

Radionuclide Production Cross Section



56-Ba-131g
56-Ba-131m2

127

Incident Energy (MeV)

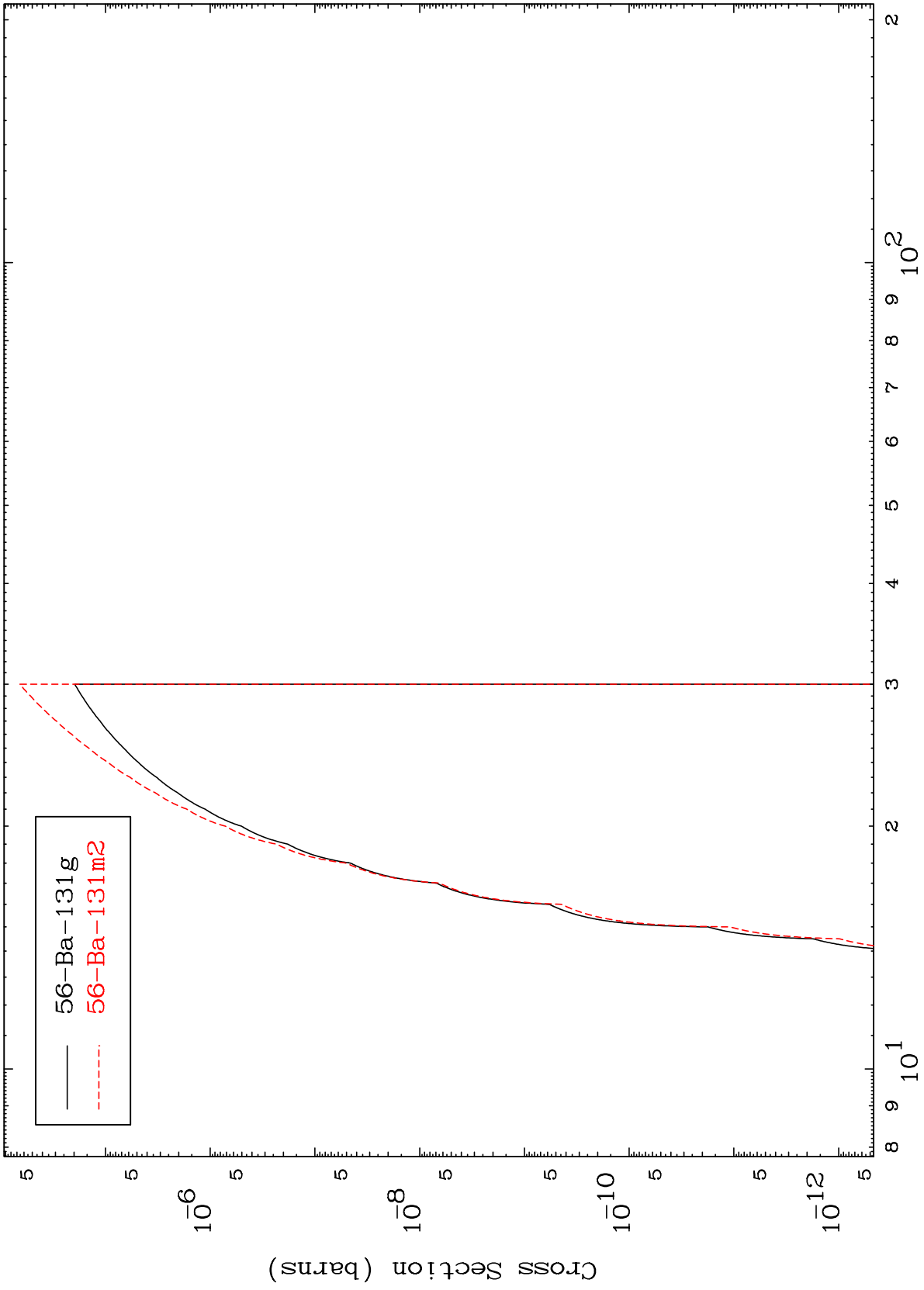
58-Ce-133

MAT 5816

(n,p) d

58-Ce-133

Radionuclide Production Cross Section



128

Incident Energy (MeV)

58-Ce-133