

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

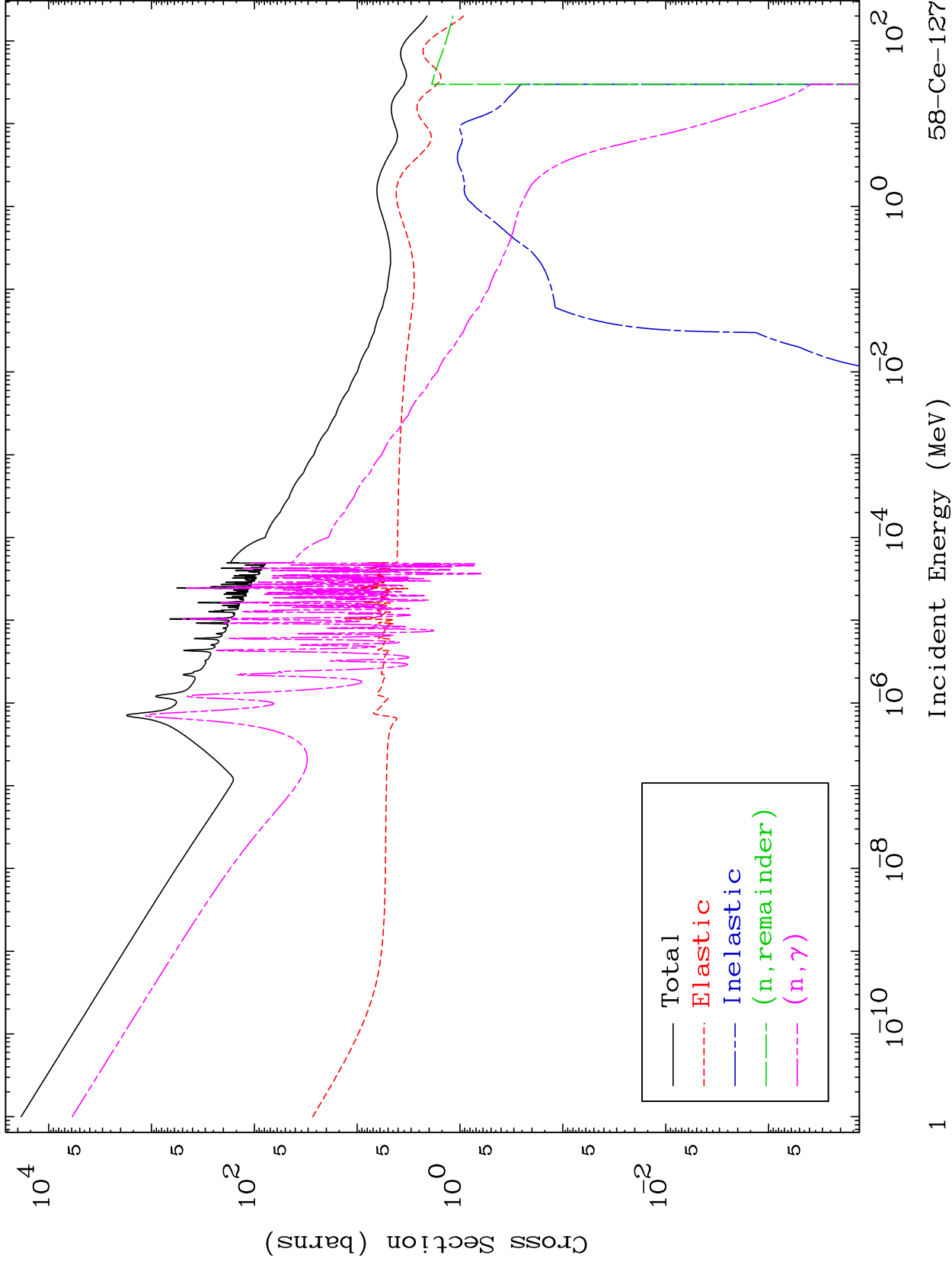
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5798

Major
293 Kelvin Cross Sections

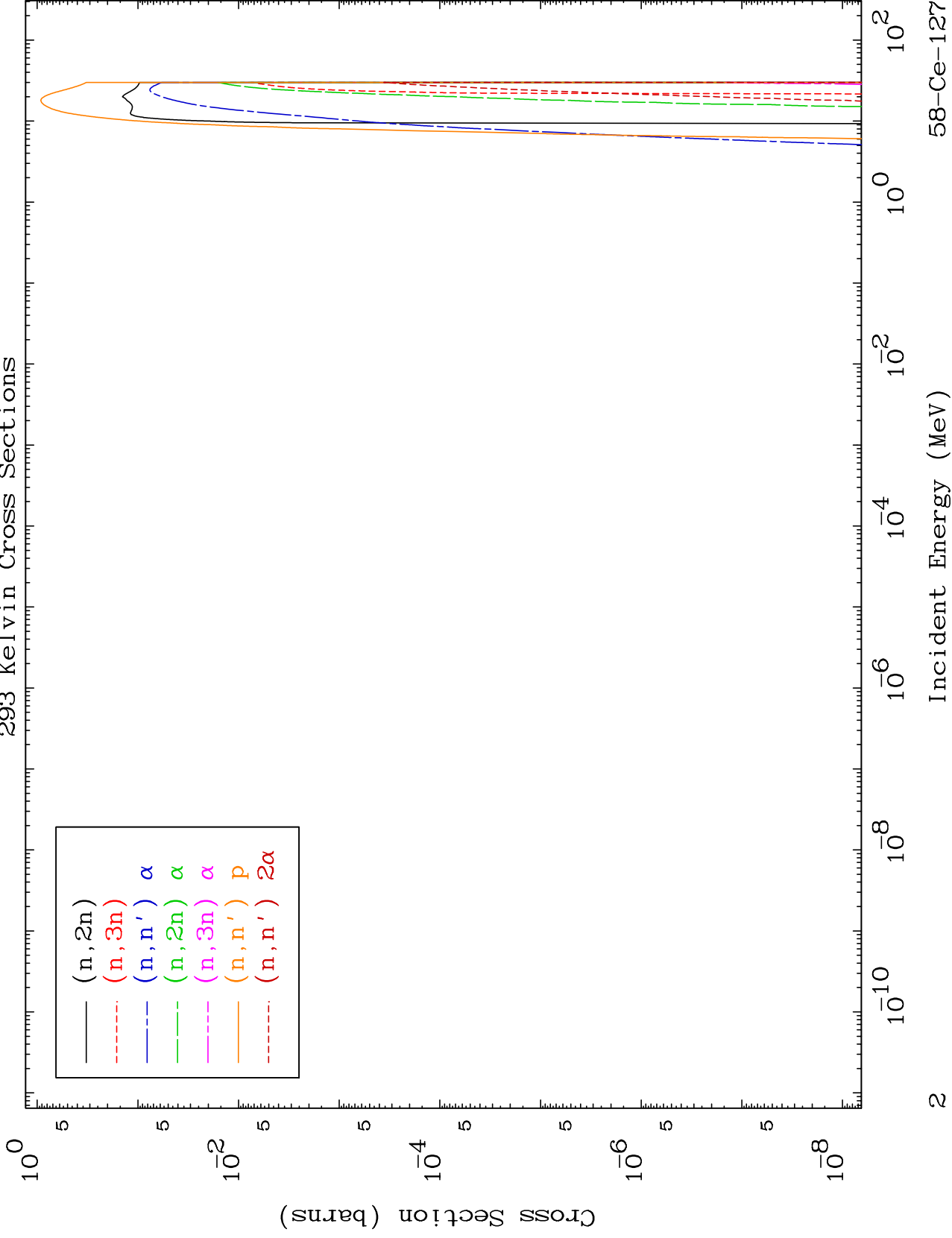
58-Ce-127

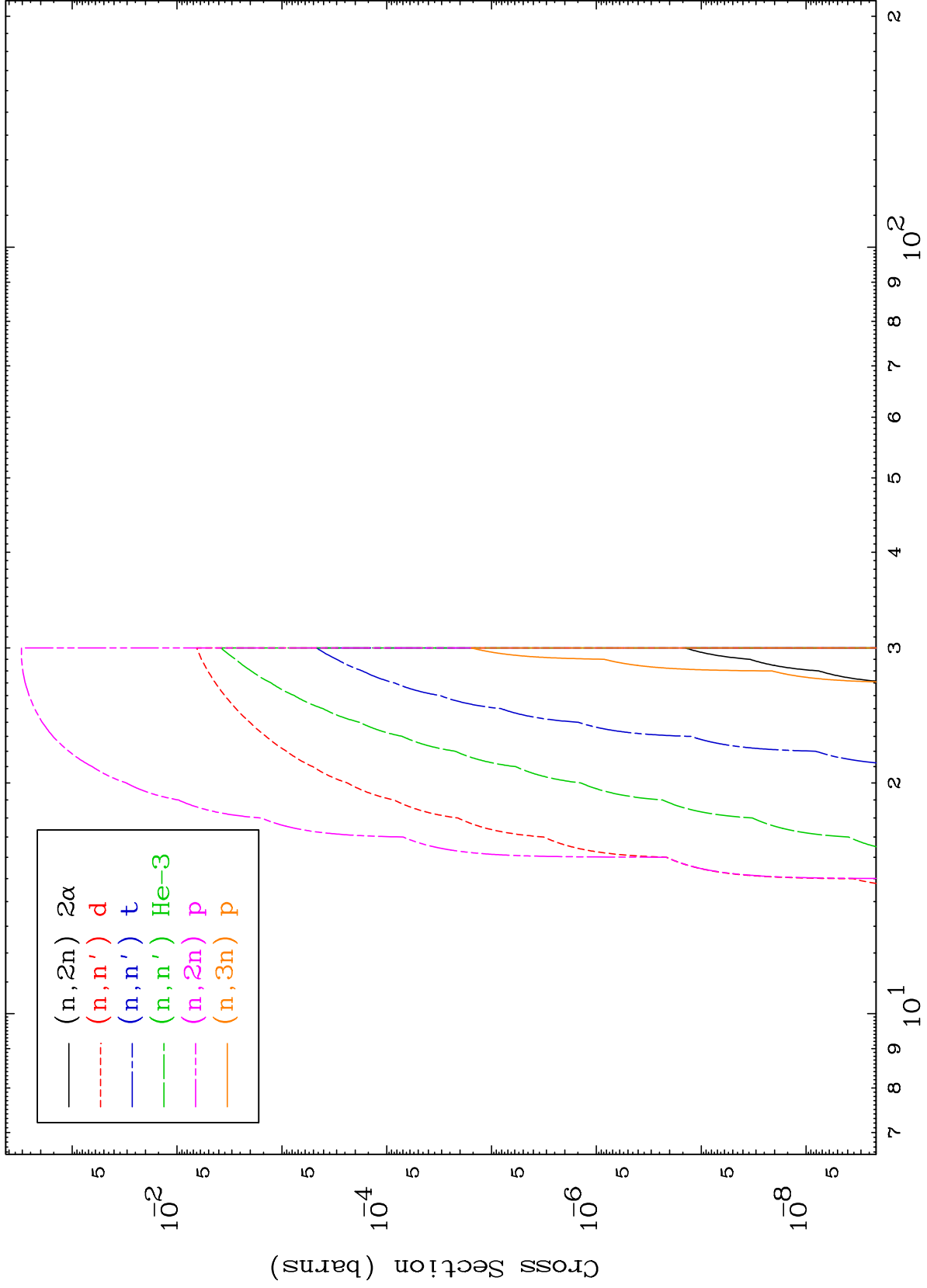


MAT 5798

Neutron Production
293 Kelvin Cross Sections

58-Ce-127

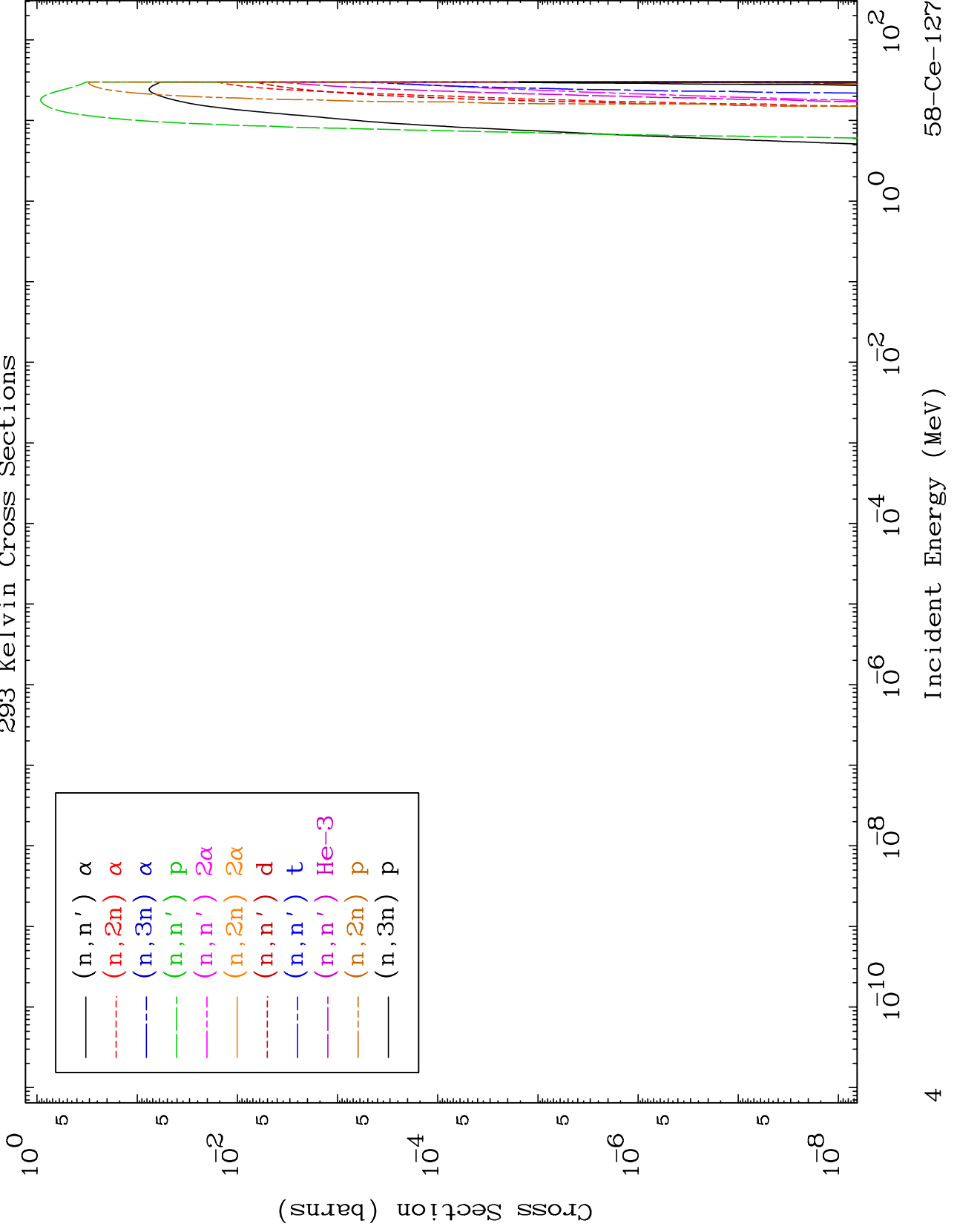




MAT 5798

Charged Particle
293 Kelvin Cross Sections

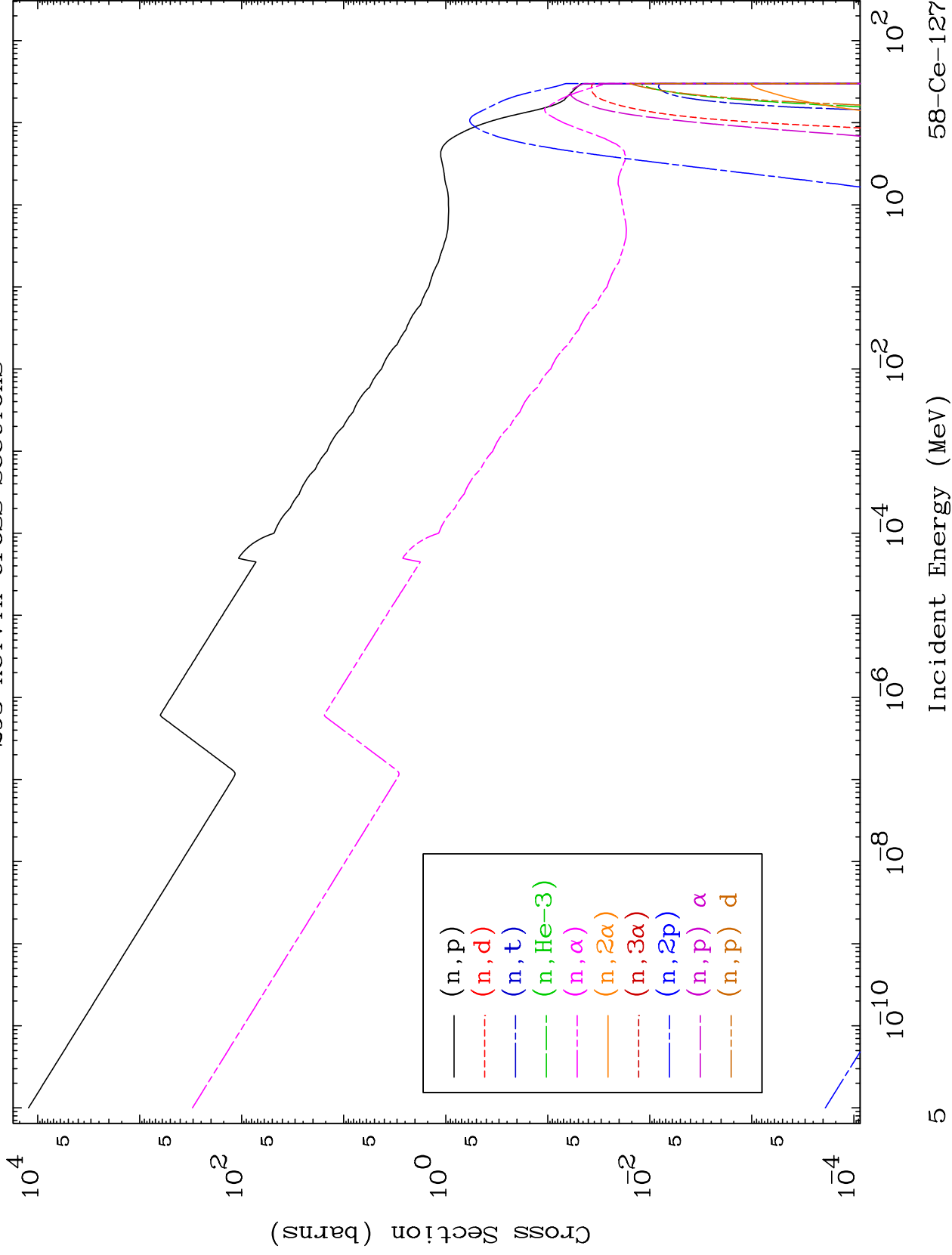
58-Ce-127



MAT 5798

Charged Particle
293 Kelvin Cross Sections

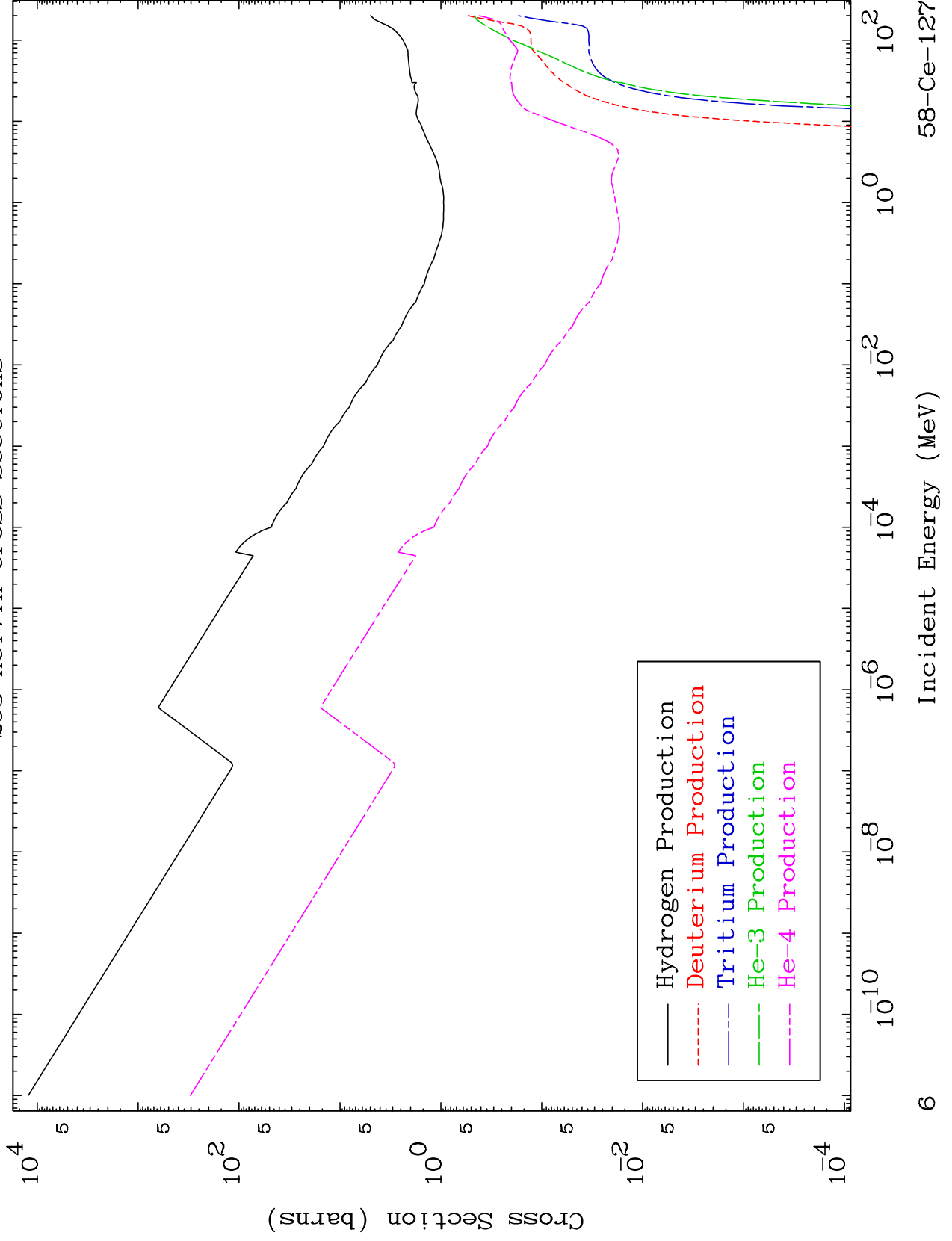
58-Ce-127



MAT 5798

Particle Production
293 Kelvin Cross Sections

58-Ce-127

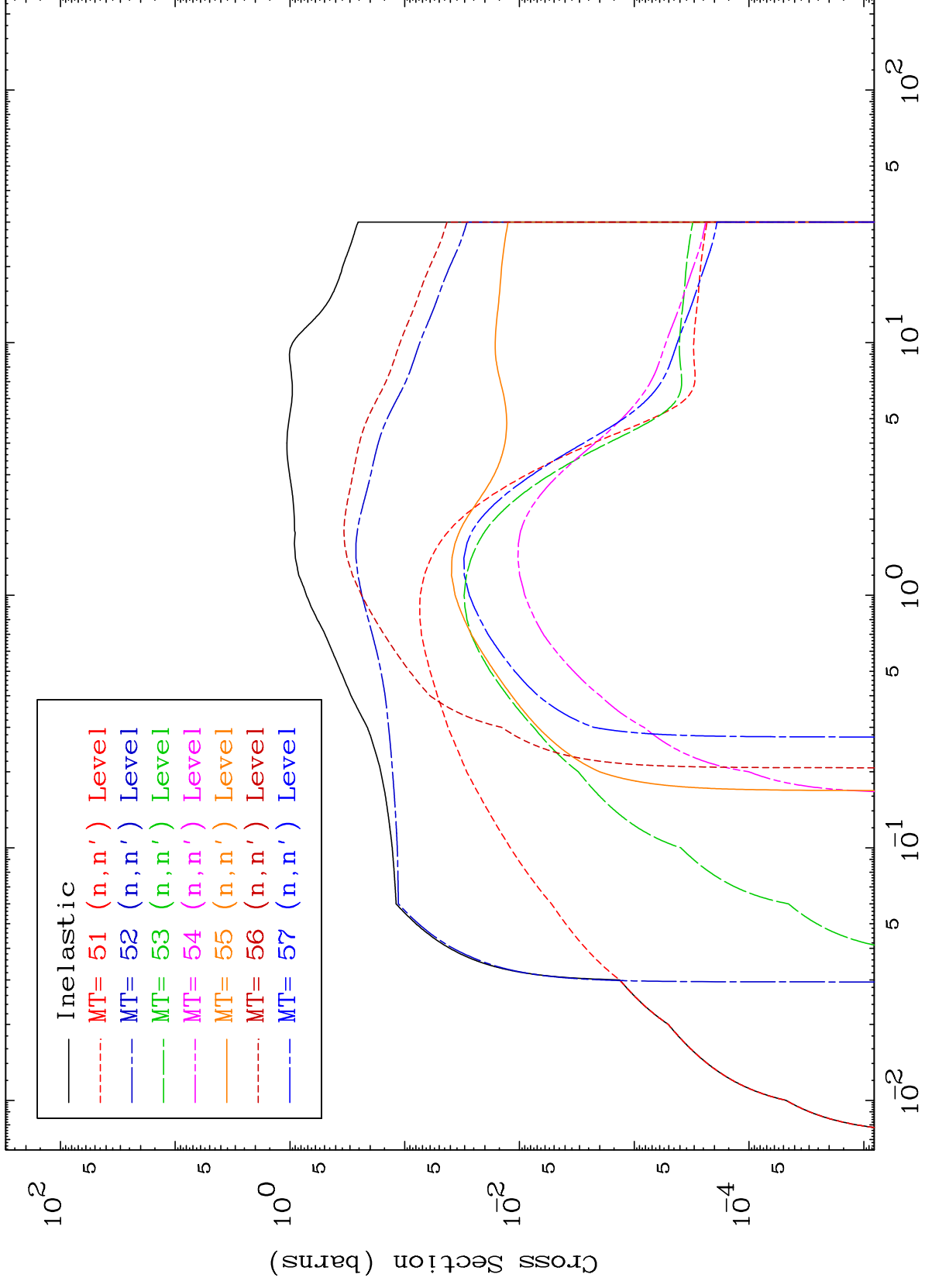


MAT 5798

(n,n') Level

58-Ce-127

293 Kelvin Cross Sections



7

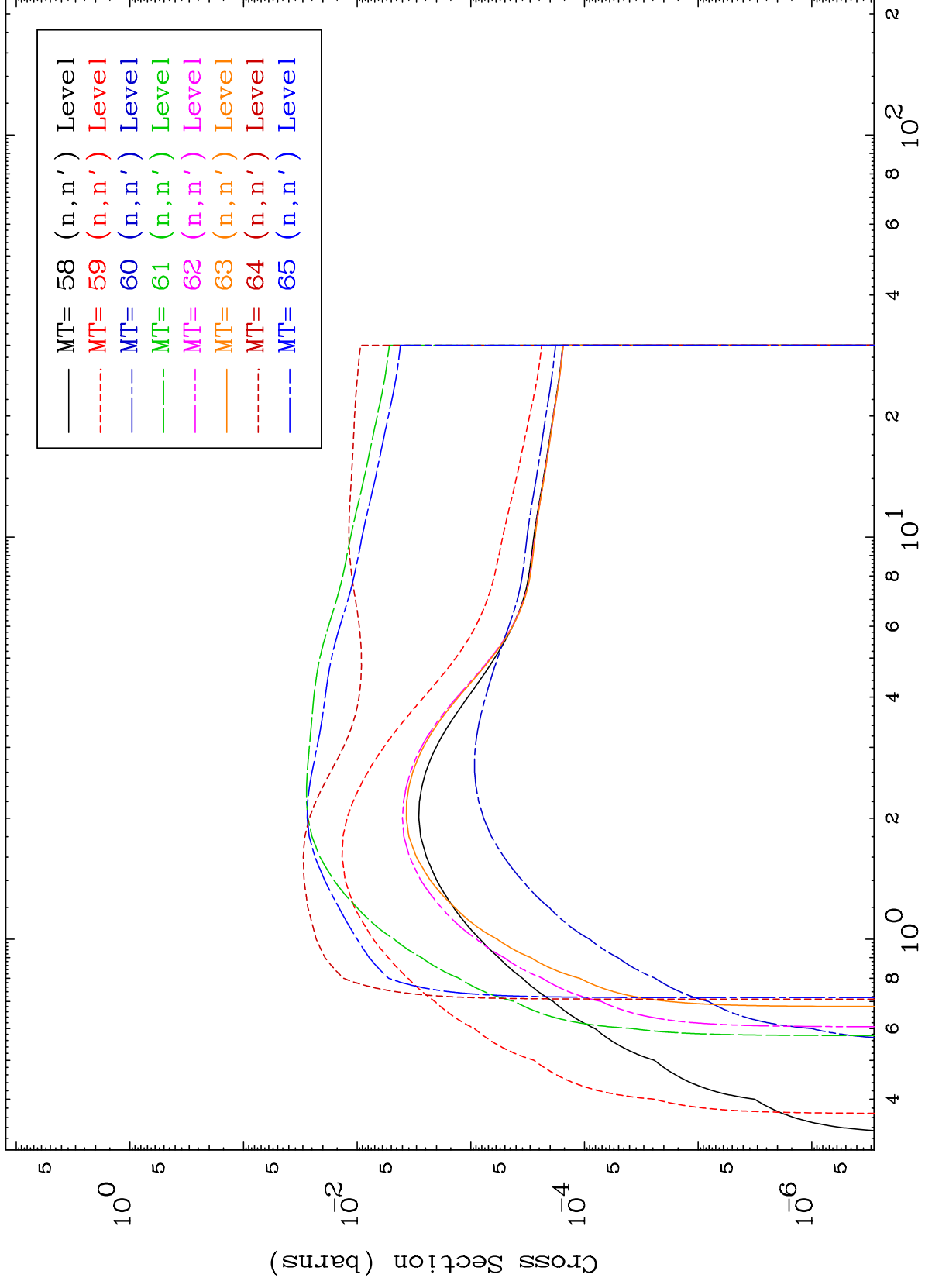
Incident Energy (MeV)

58-Ce-127

MAT 5798

(n,n') Level
293 Kelvin Cross Sections

58-Ce-127



8

Incident Energy (MeV)

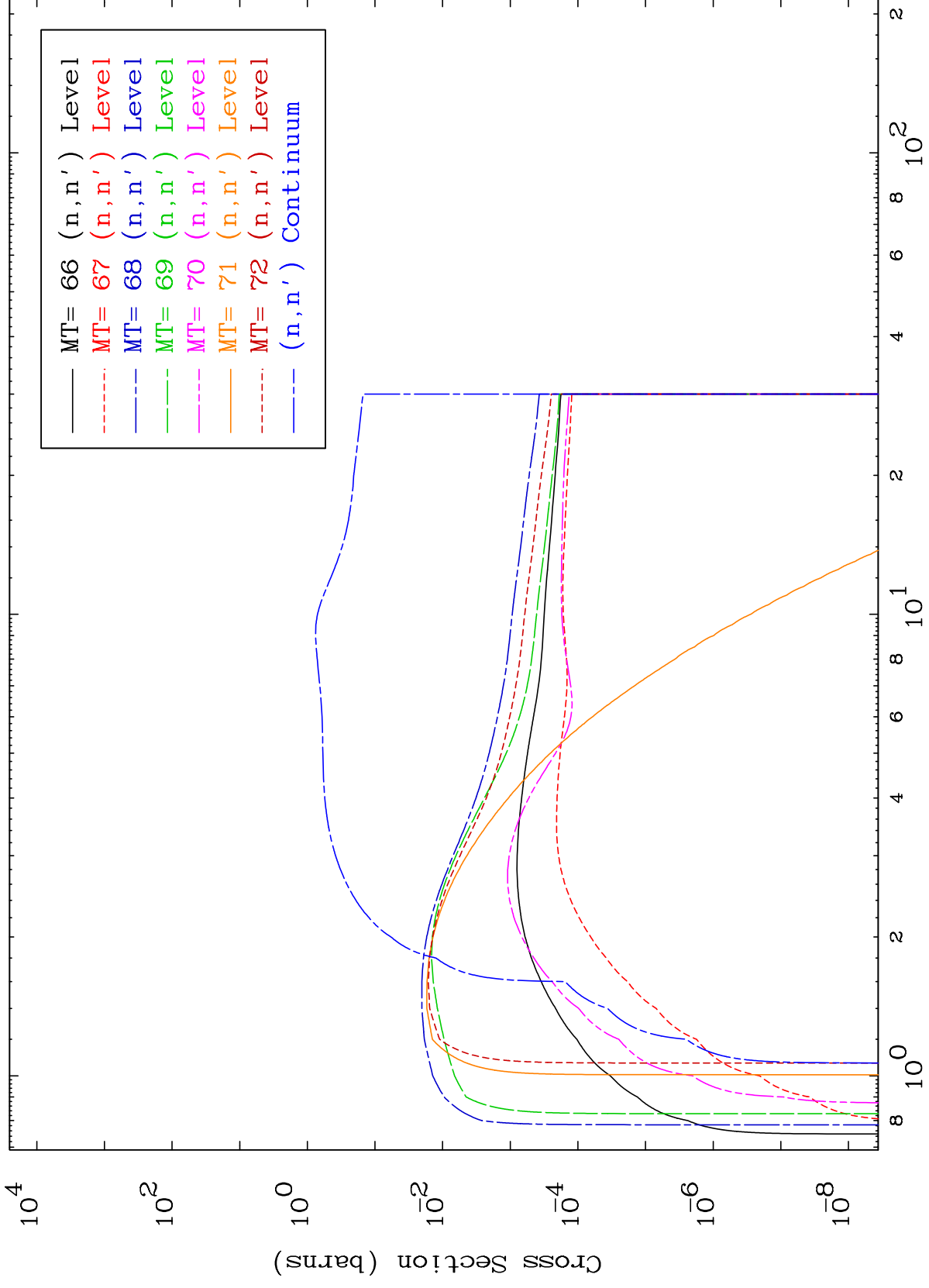
58-Ce-127

MAT 5798

(n,n') Level

58-Ce-127

293 Kelvin Cross Sections



9

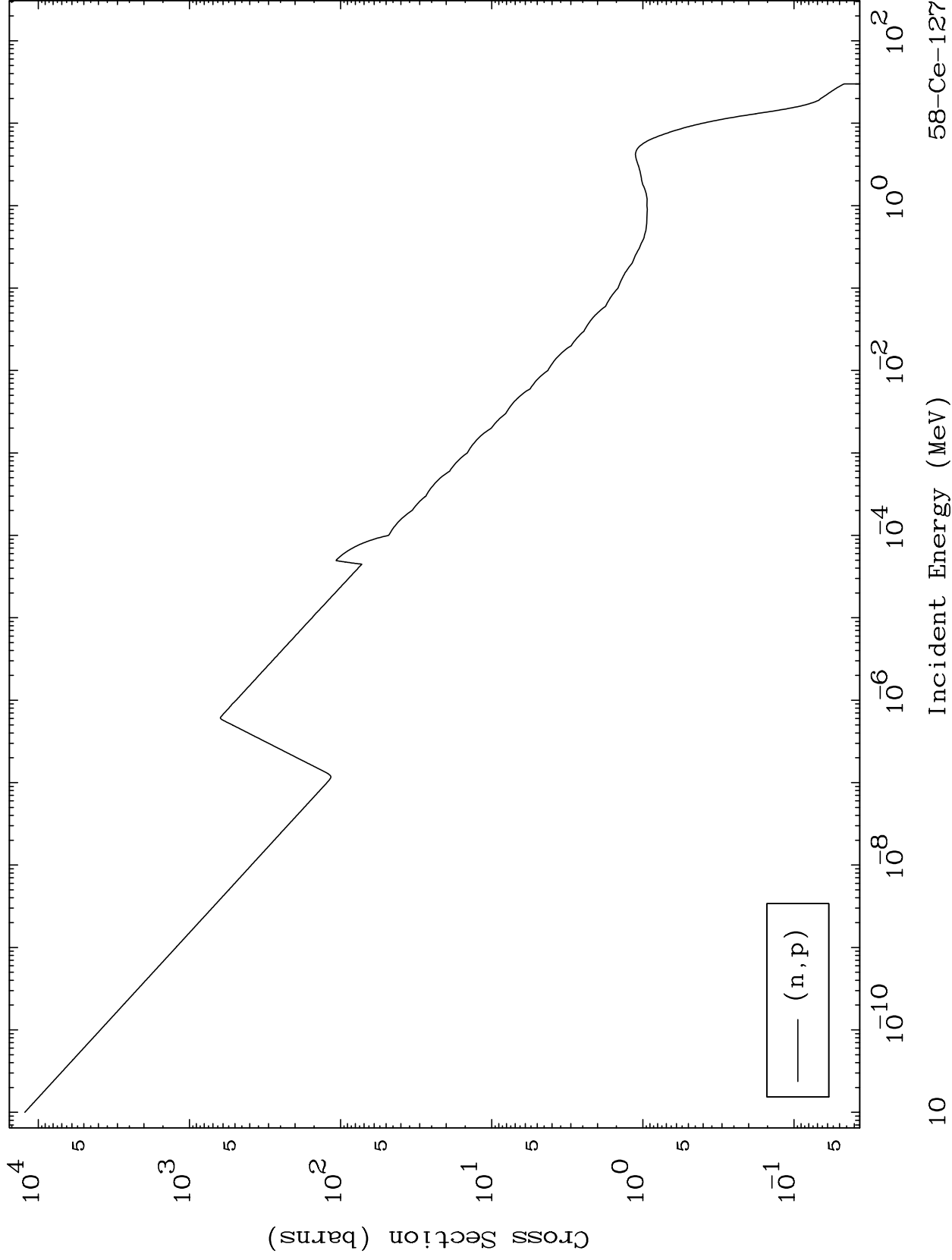
Incident Energy (MeV)

58-Ce-127

MAT 5798

(n,p) Levels
293 Kelvin Cross Sections

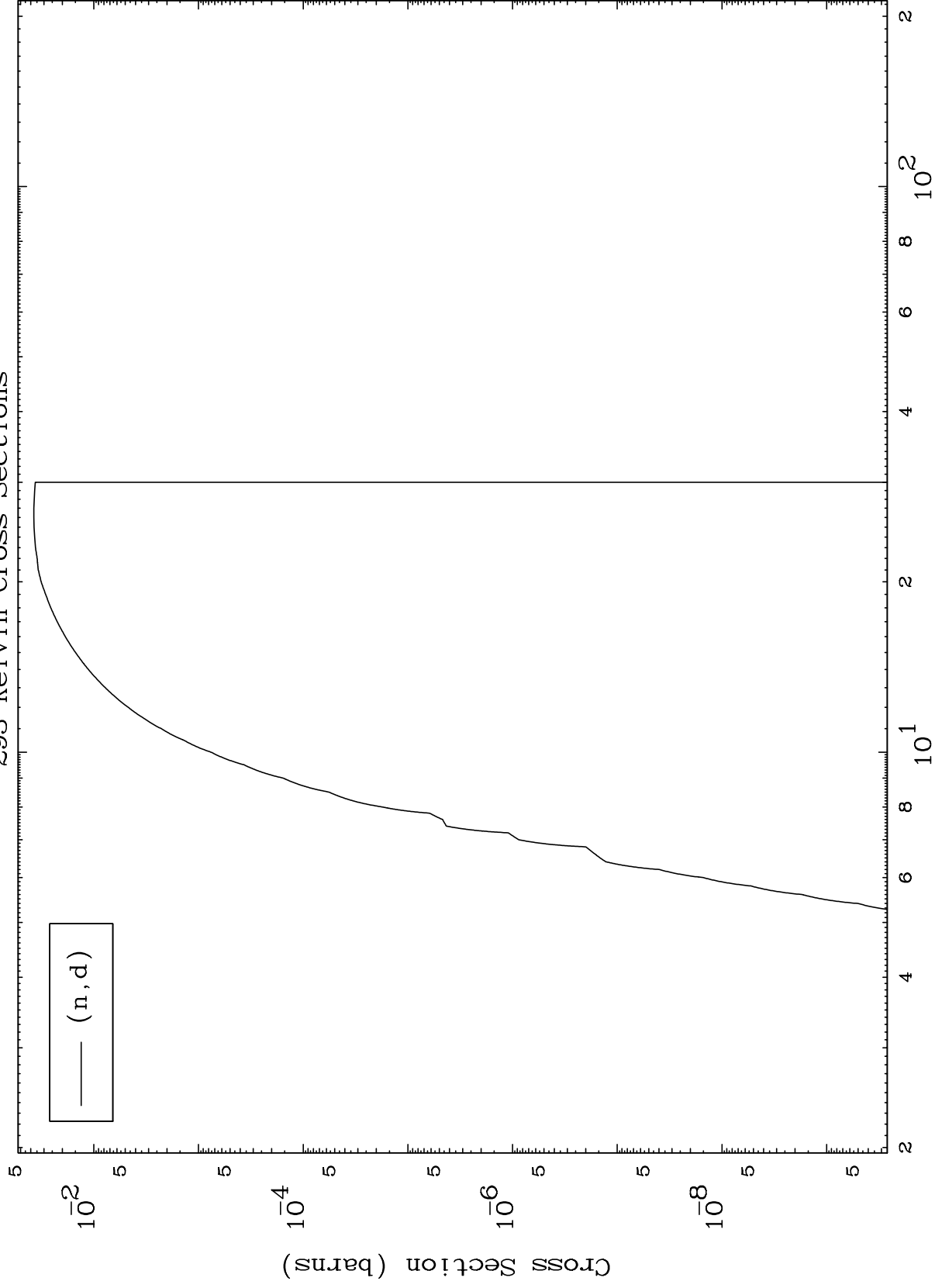
58-Ce-127



MAT 5798

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-127



11

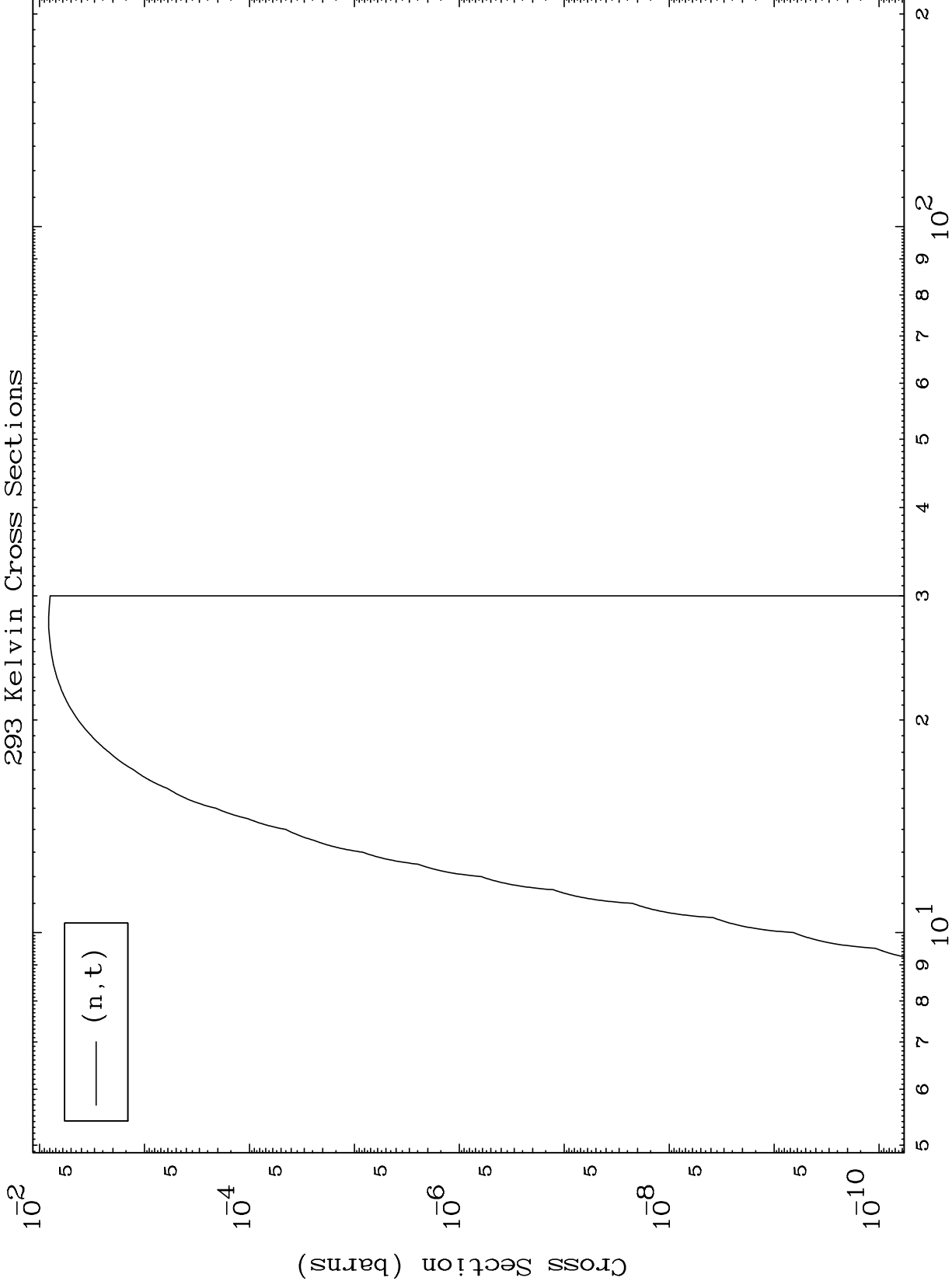
Incident Energy (MeV)

58-Ce-127

MAT 5798

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-127



12

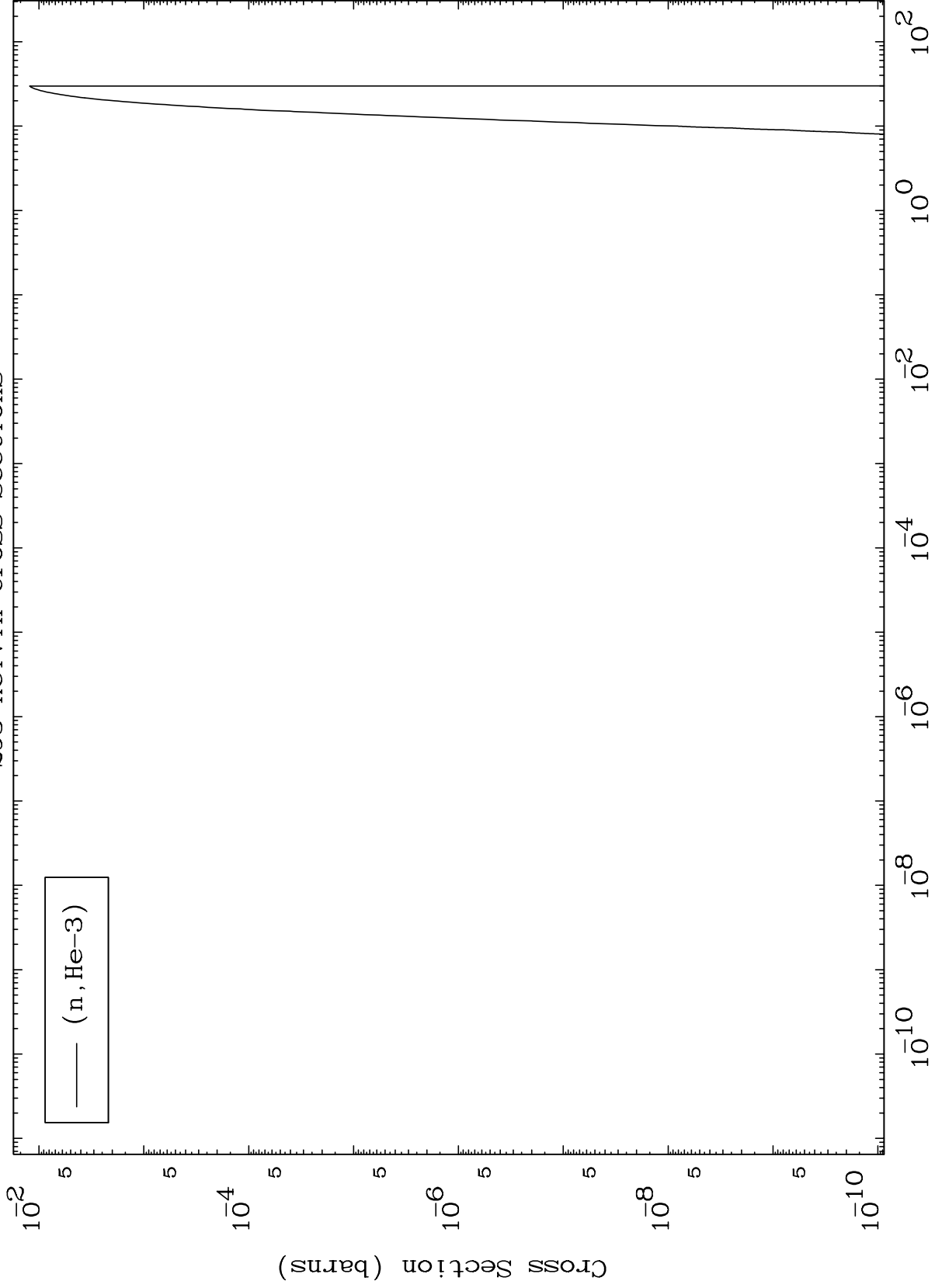
Incident Energy (MeV)

58-Ce-127

MAT 5798

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-127



13

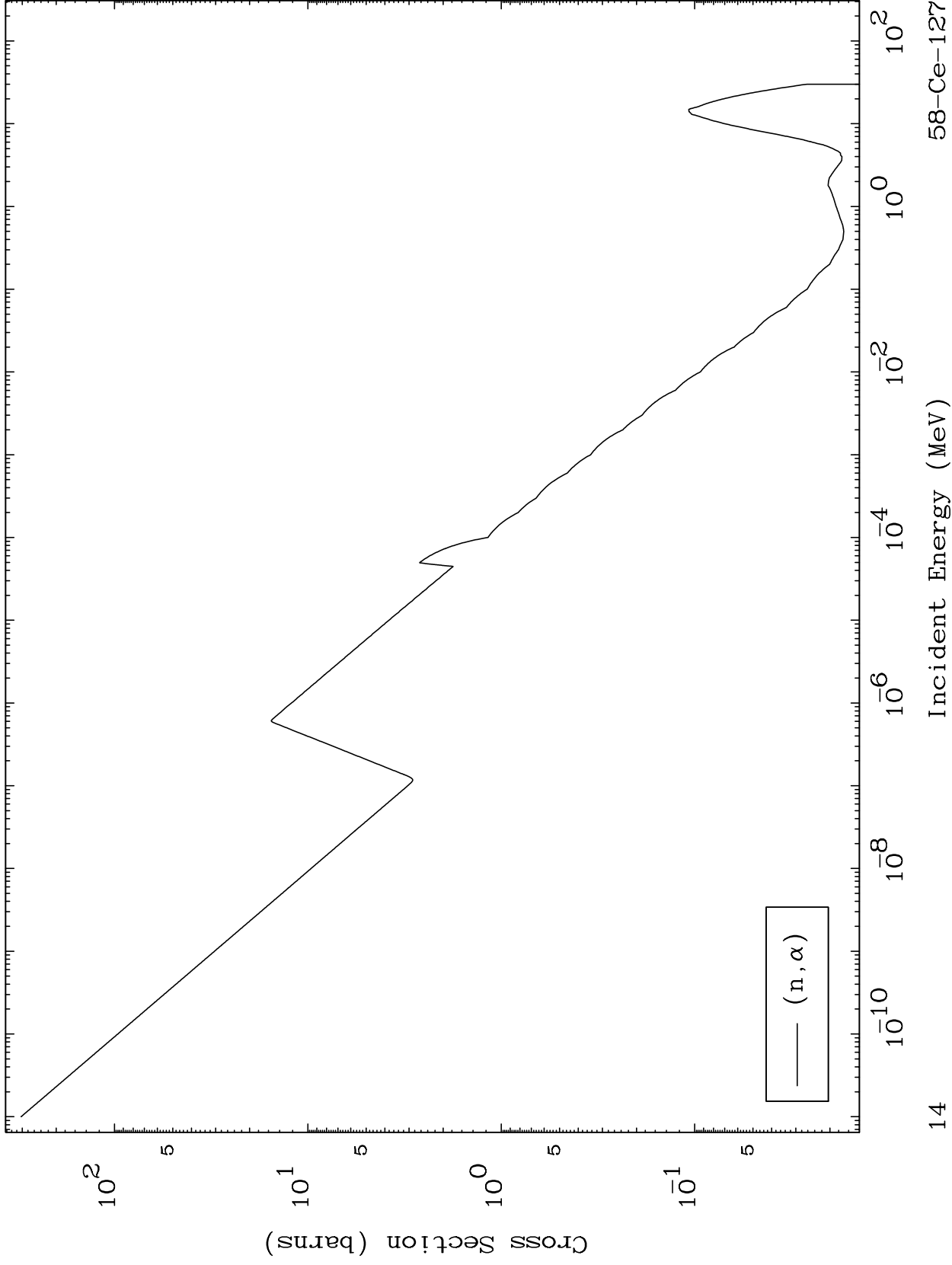
Incident Energy (MeV)

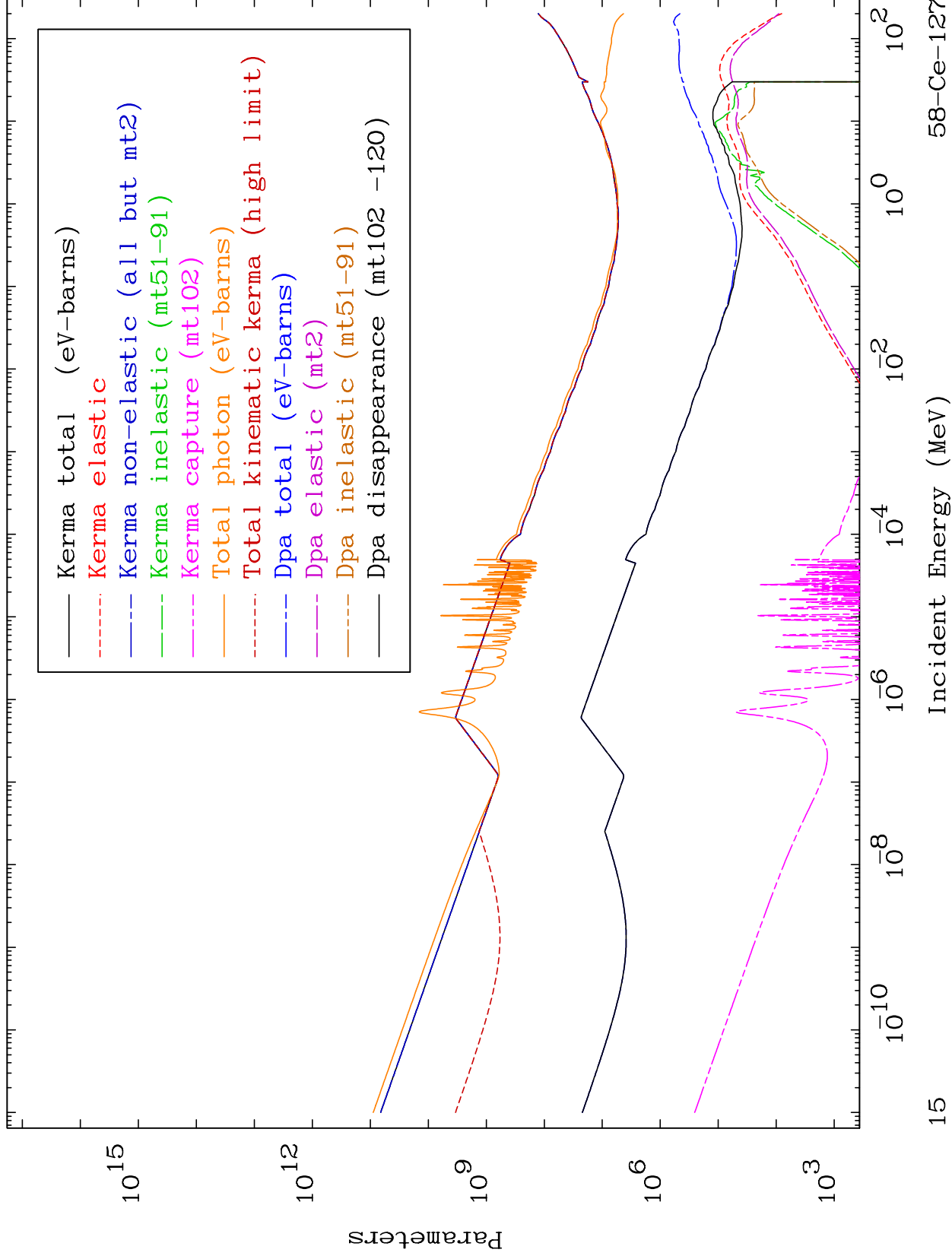
58-Ce-127

MAT 5798

(n,α) Levels
293 Kelvin Cross Sections

58-Ce-127

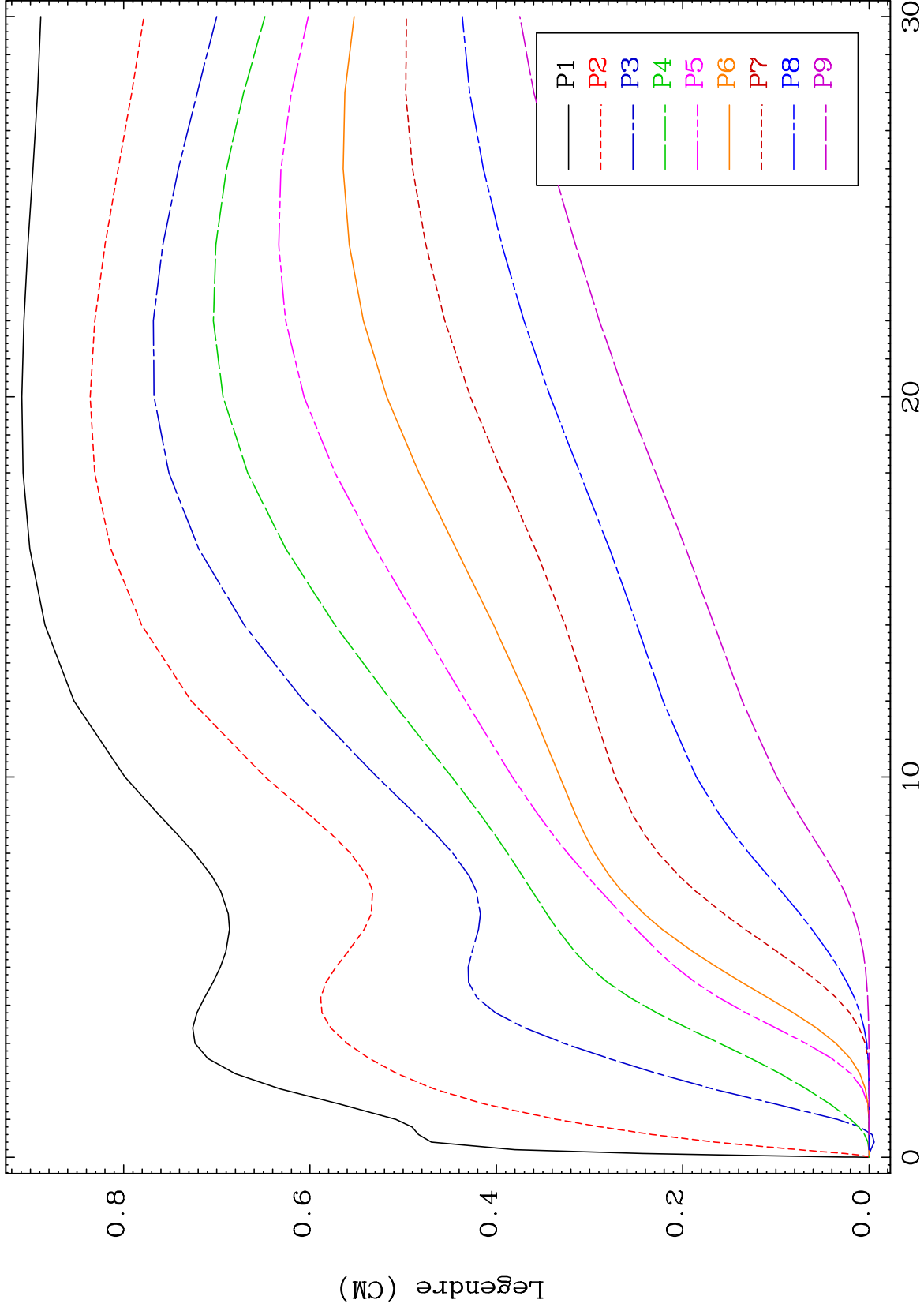




MAT 5798

58-Ce-127

Elastic Legendre Coefficients



58-Ce-127

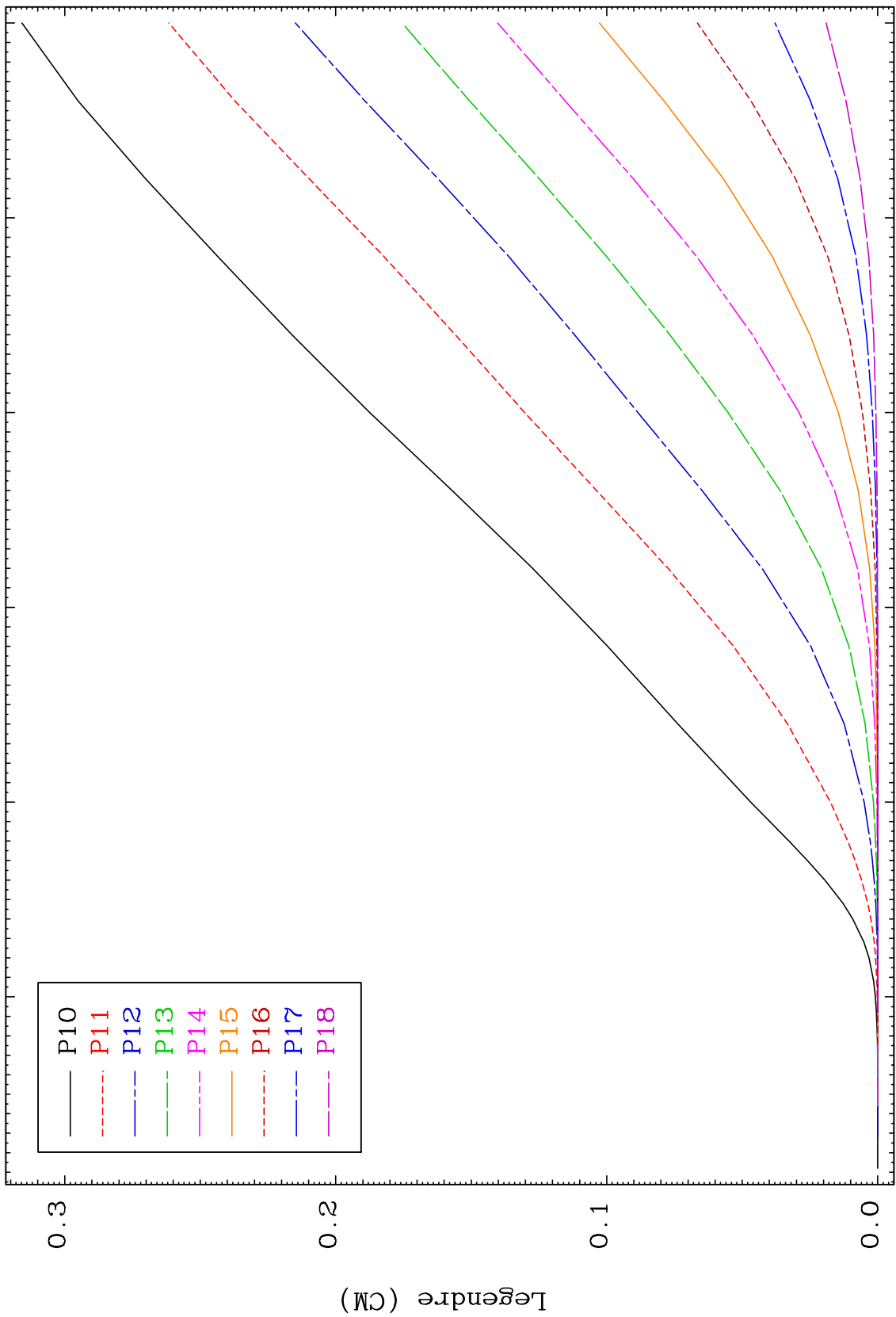
Incident Energy (MeV)

16

MAT 5798

Elastic
Legendre Coefficients

58-Ce-127



17

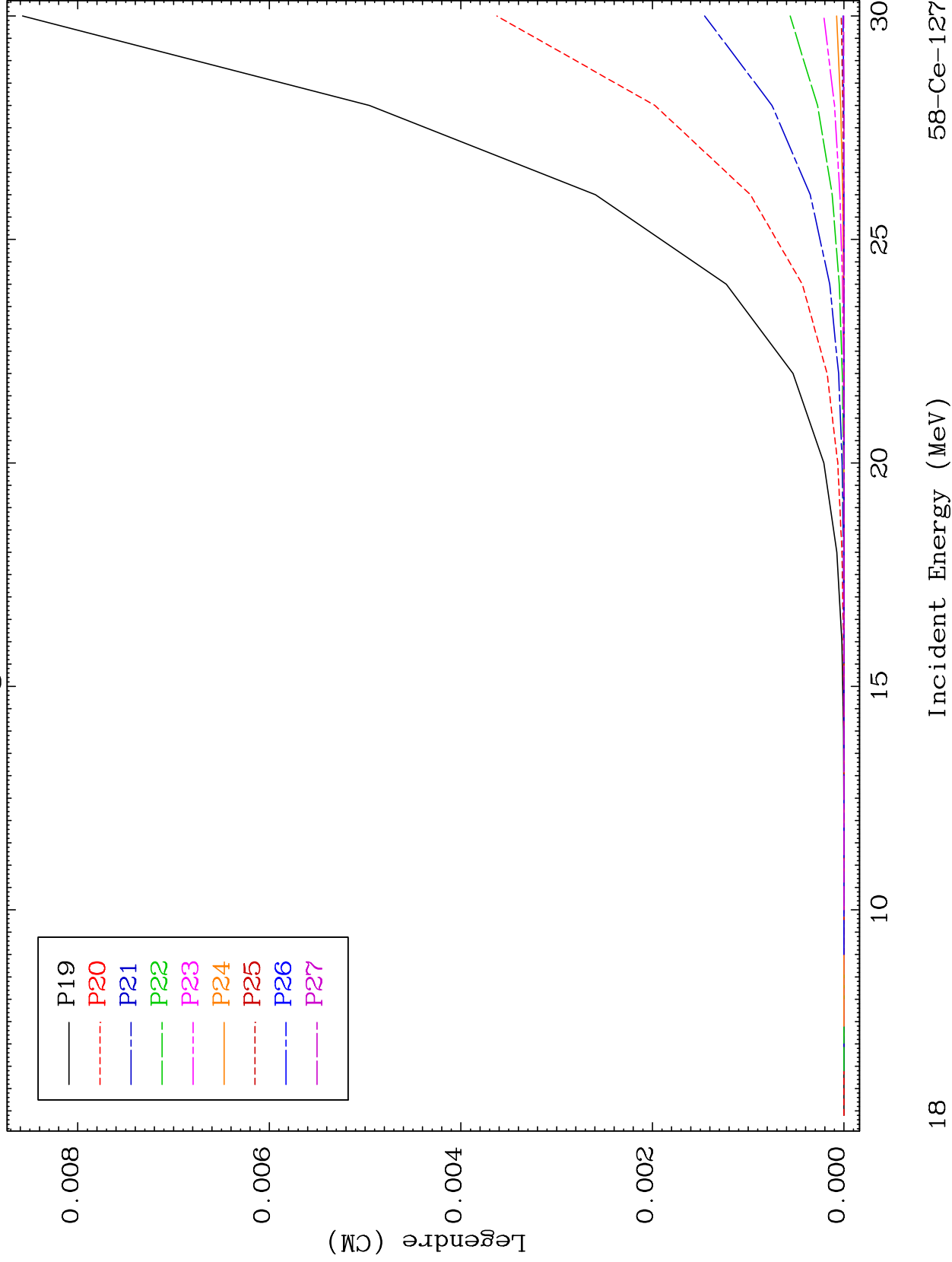
Incident Energy (MeV)

58-Ce-127

MAT 5798

Elastic Legendre Coefficients

58-Ce-127



18

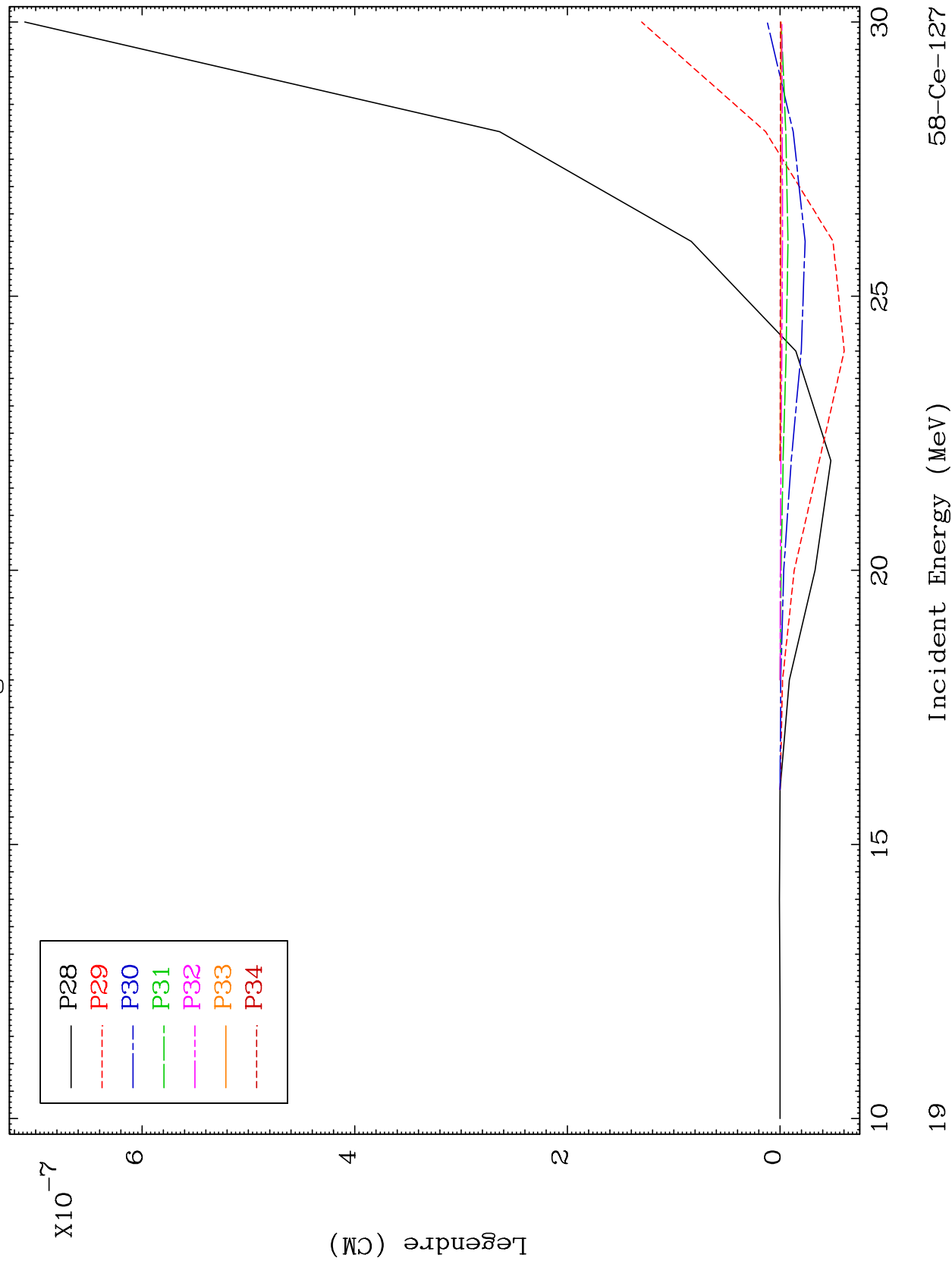
Incident Energy (MeV)

58-Ce-127

MAT 5798

Elastic
Legendre Coefficients

58-Ce-127



19

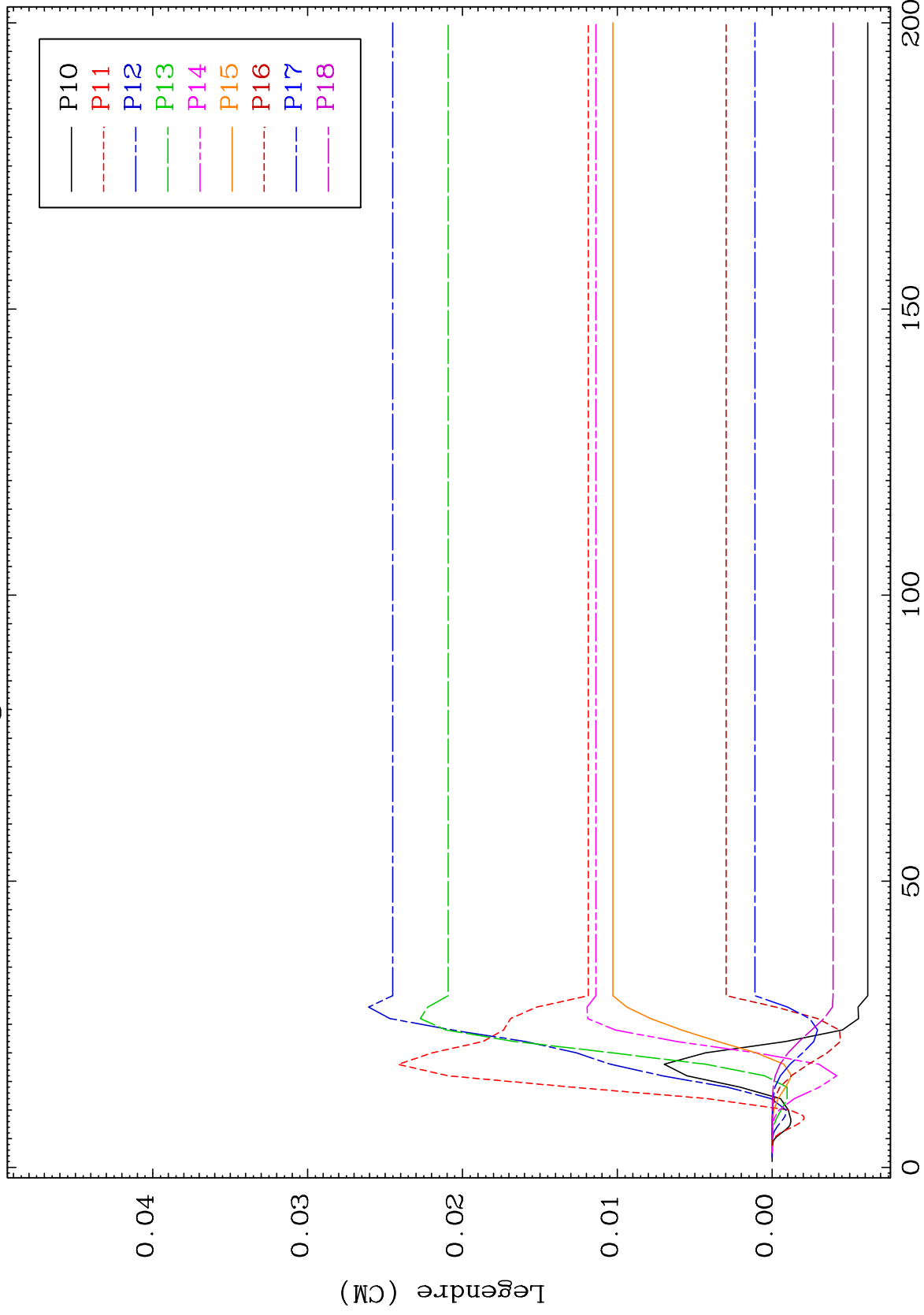
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



21

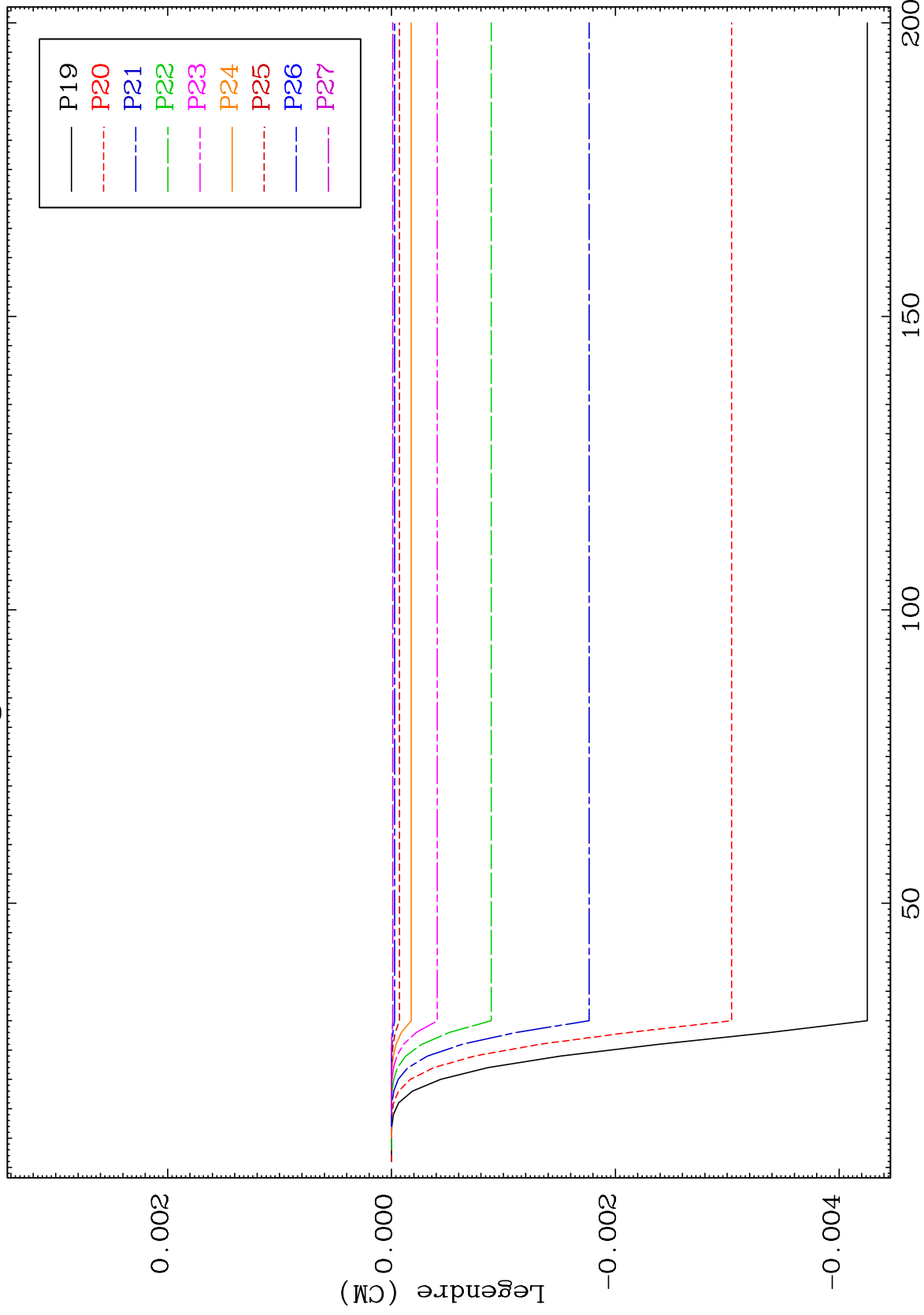
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



22

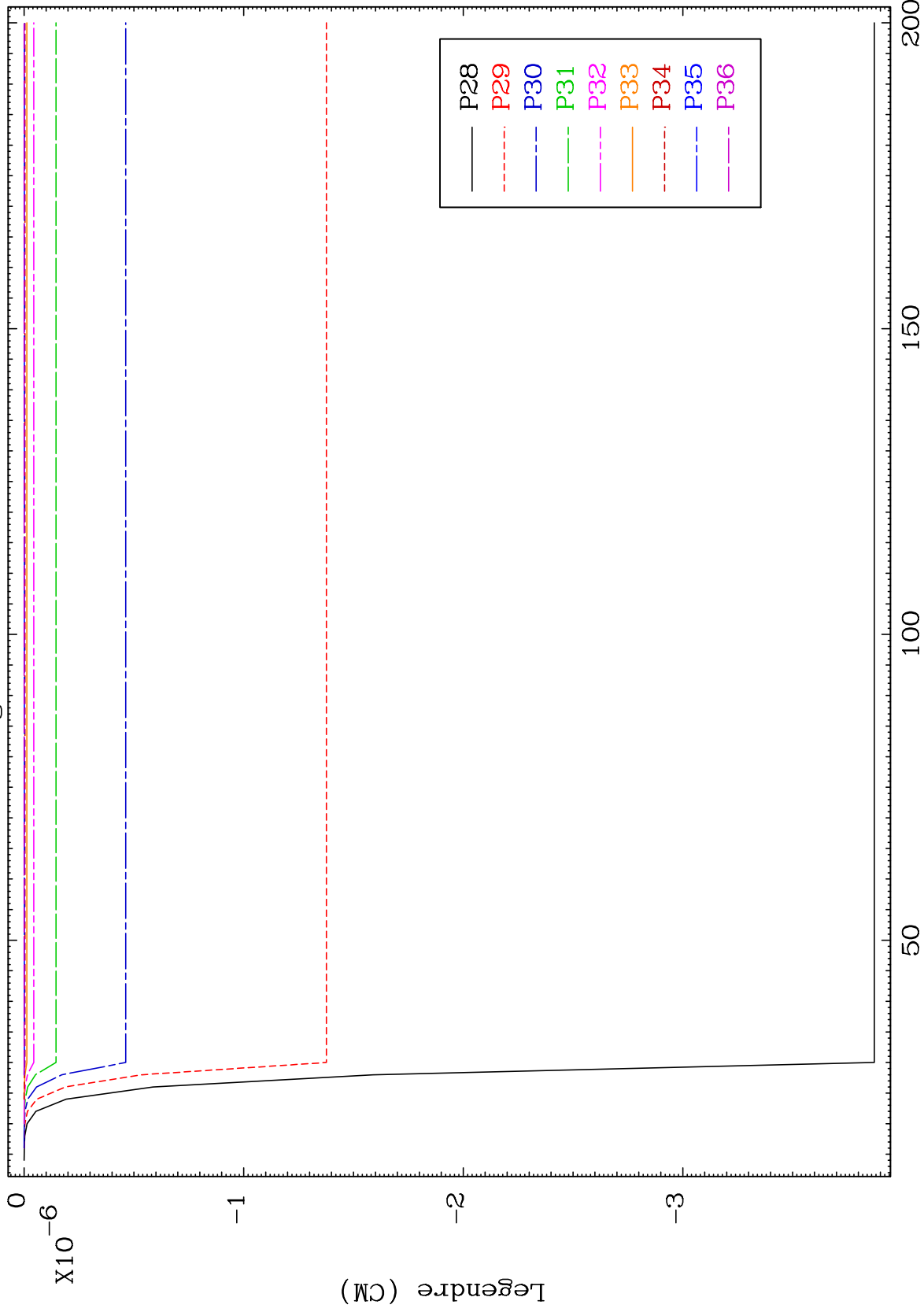
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



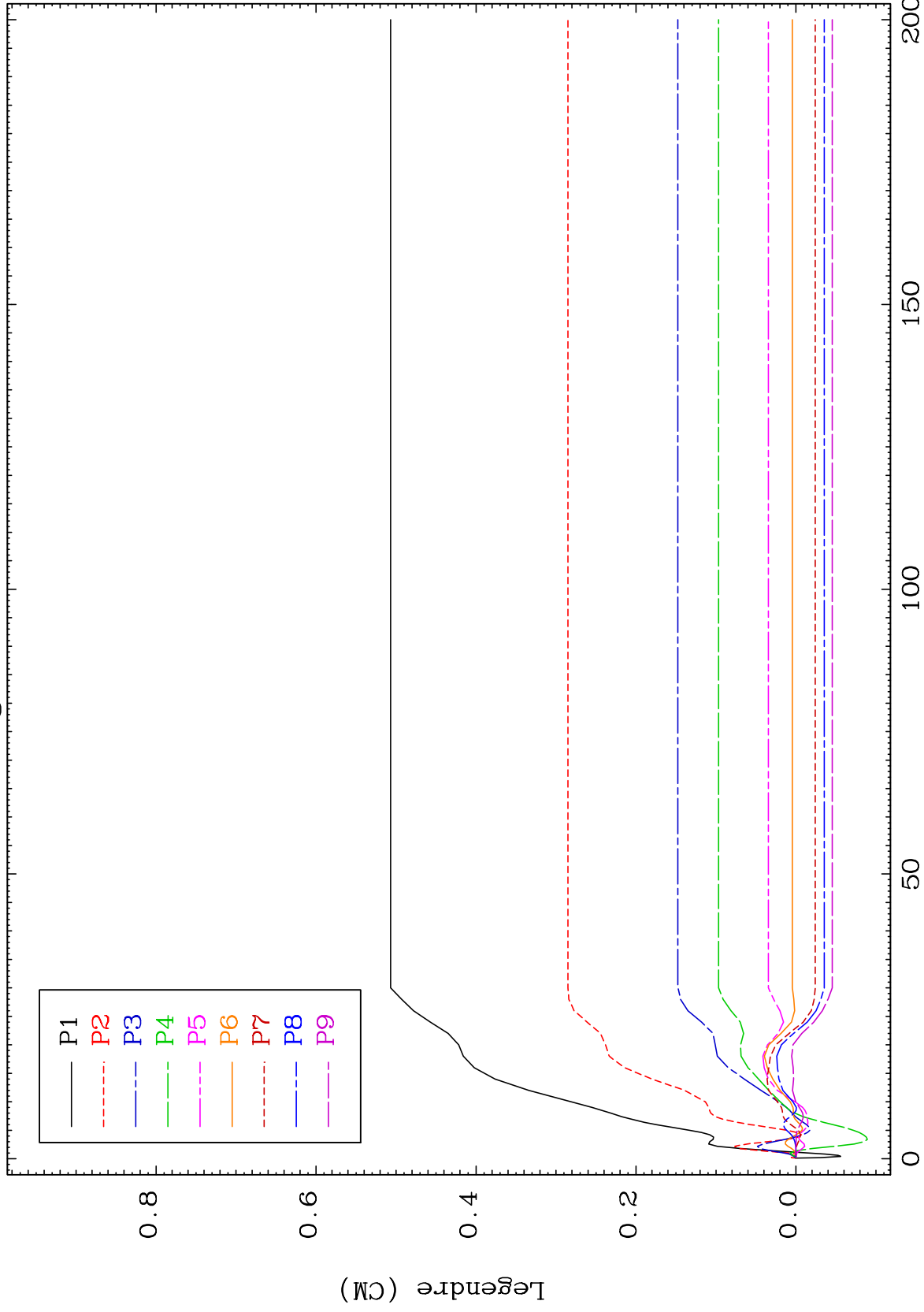
23

58-Ce-127

MAT 5798

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

58-Ce-127



24

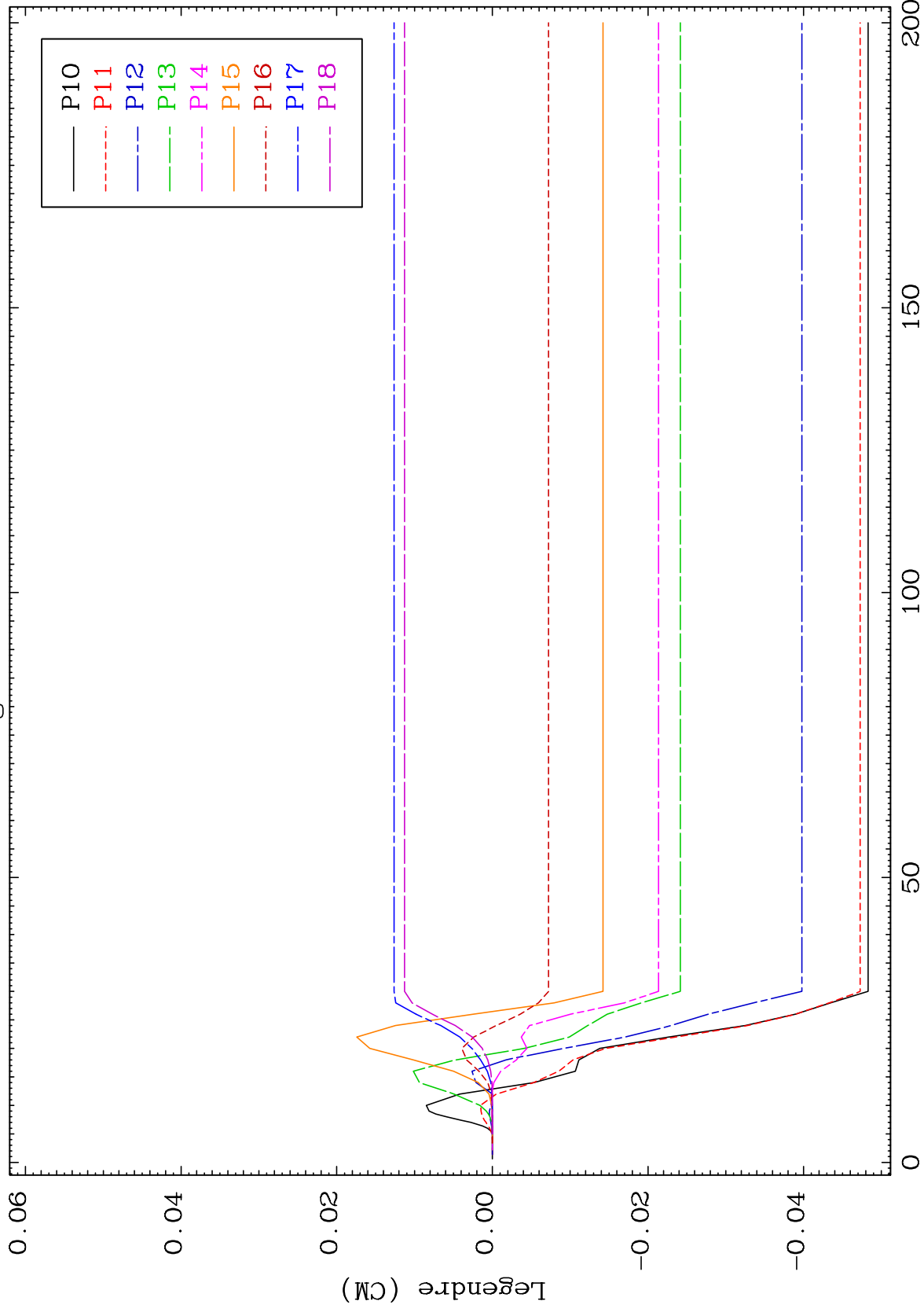
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

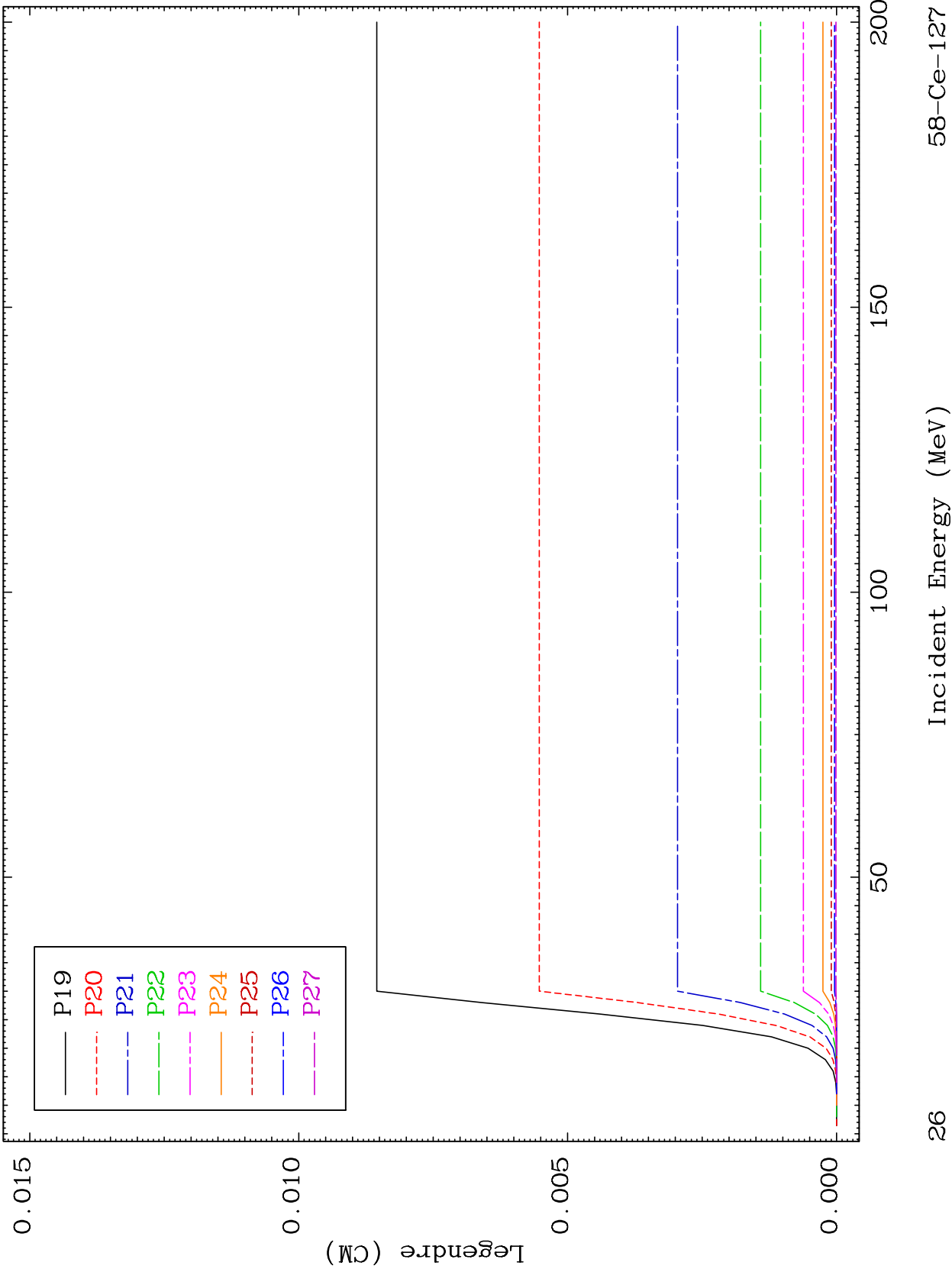
58-Ce-127



25

Incident Energy (MeV)

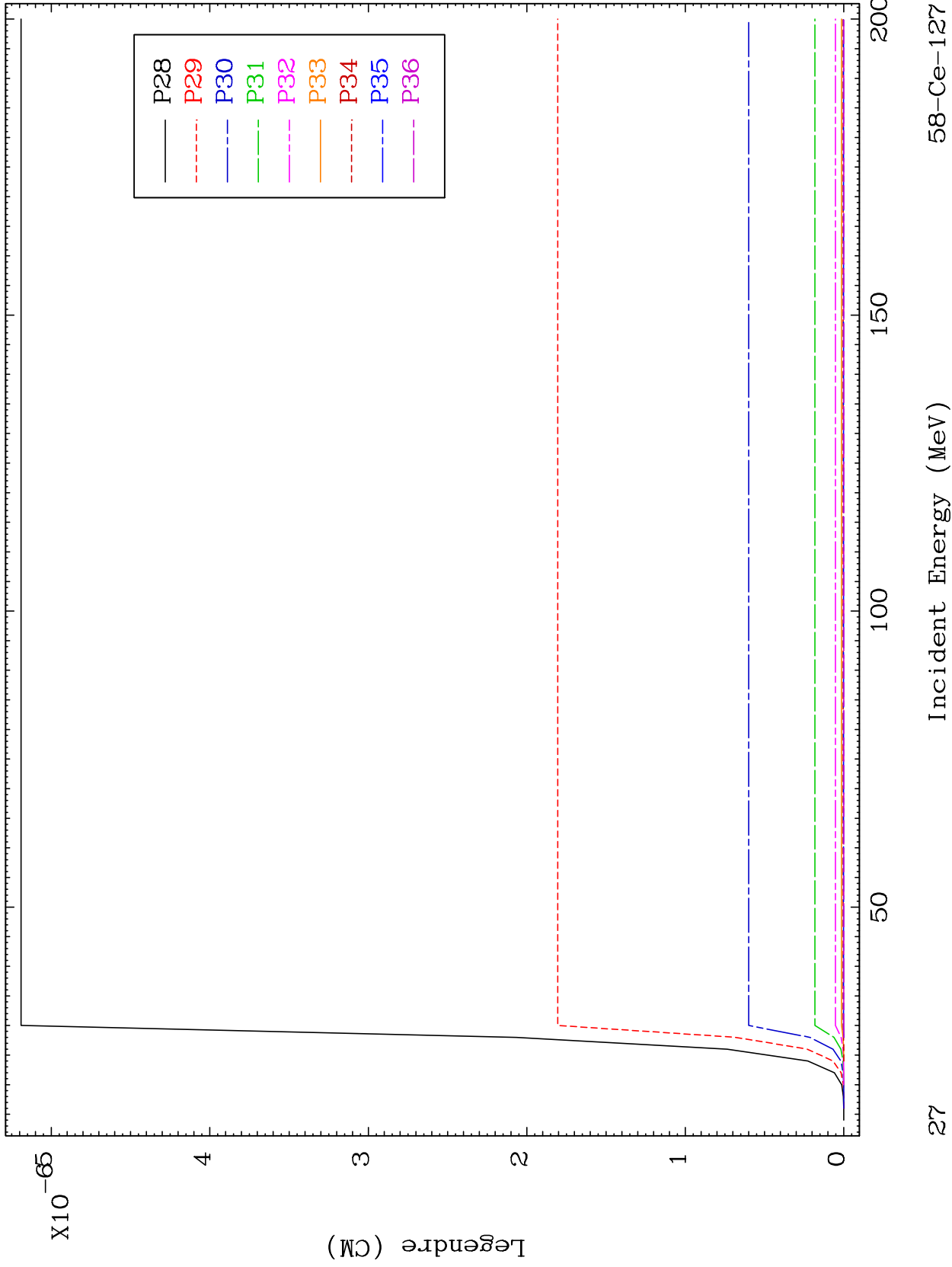
58-Ce-127



MAT 5798

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

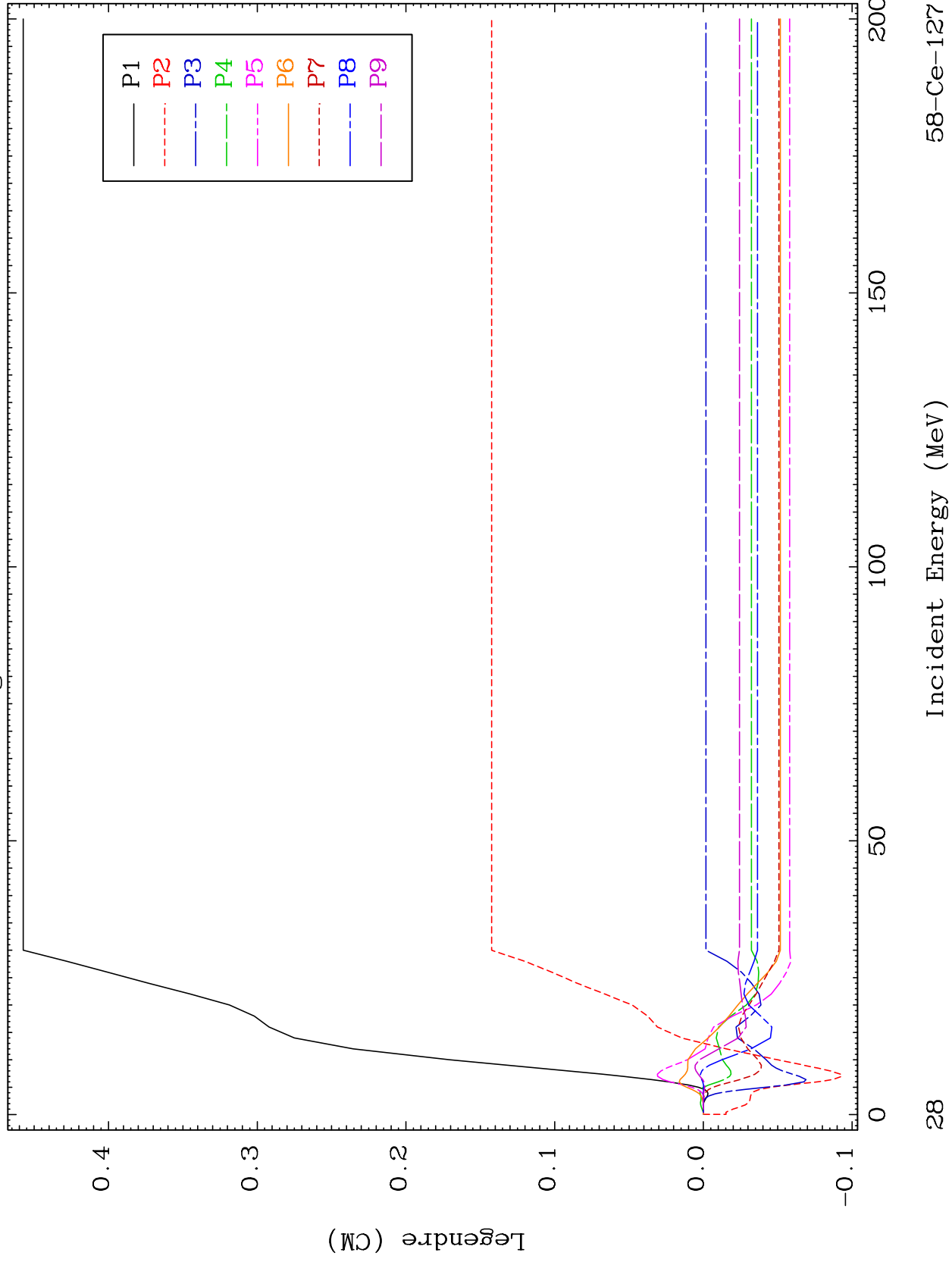
58-Ce-127



MAT 5798

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

58-Ce-127



58-Ce-127

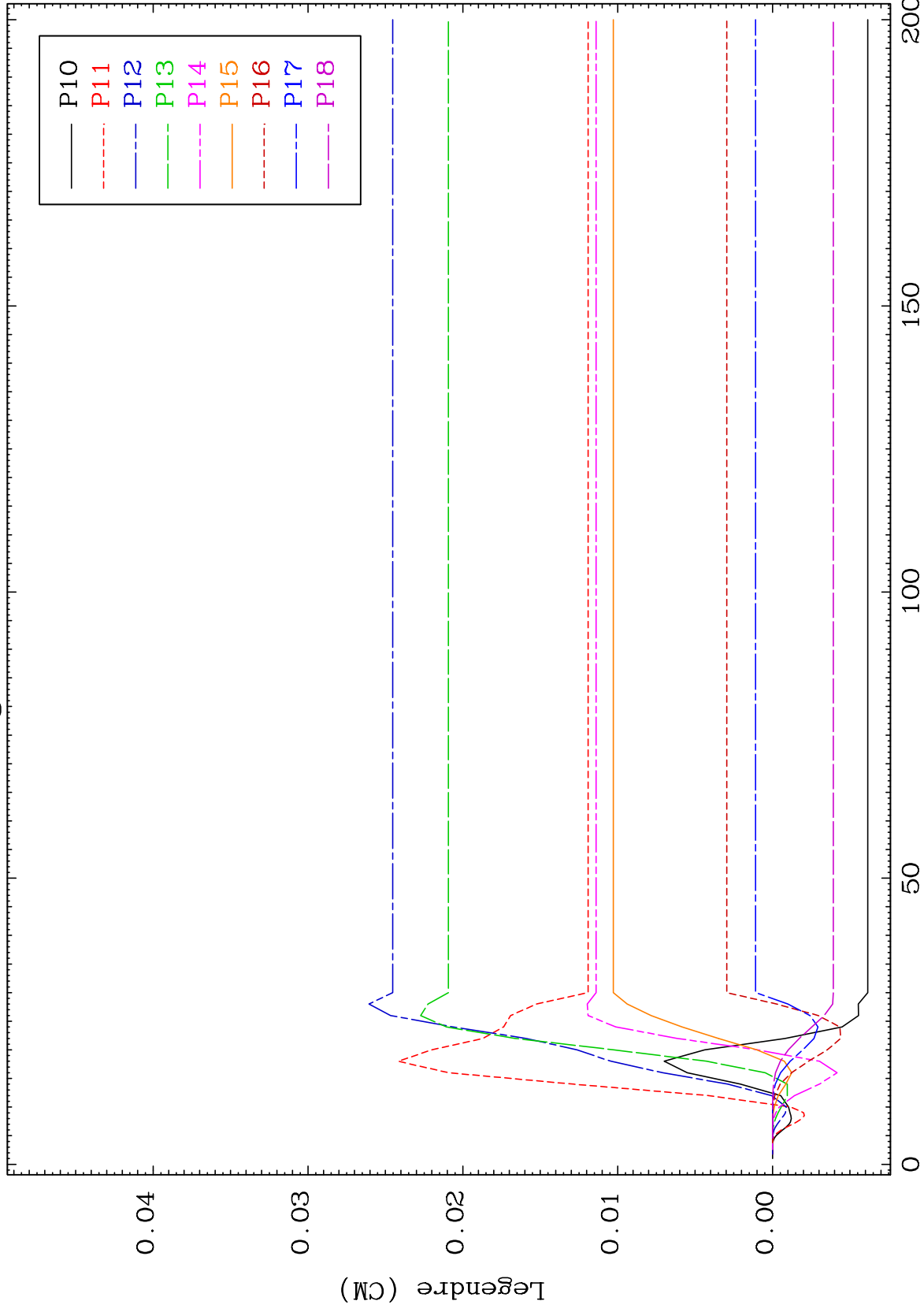
Incident Energy (MeV)

28

MAT 5798

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

58-Ce-127



29

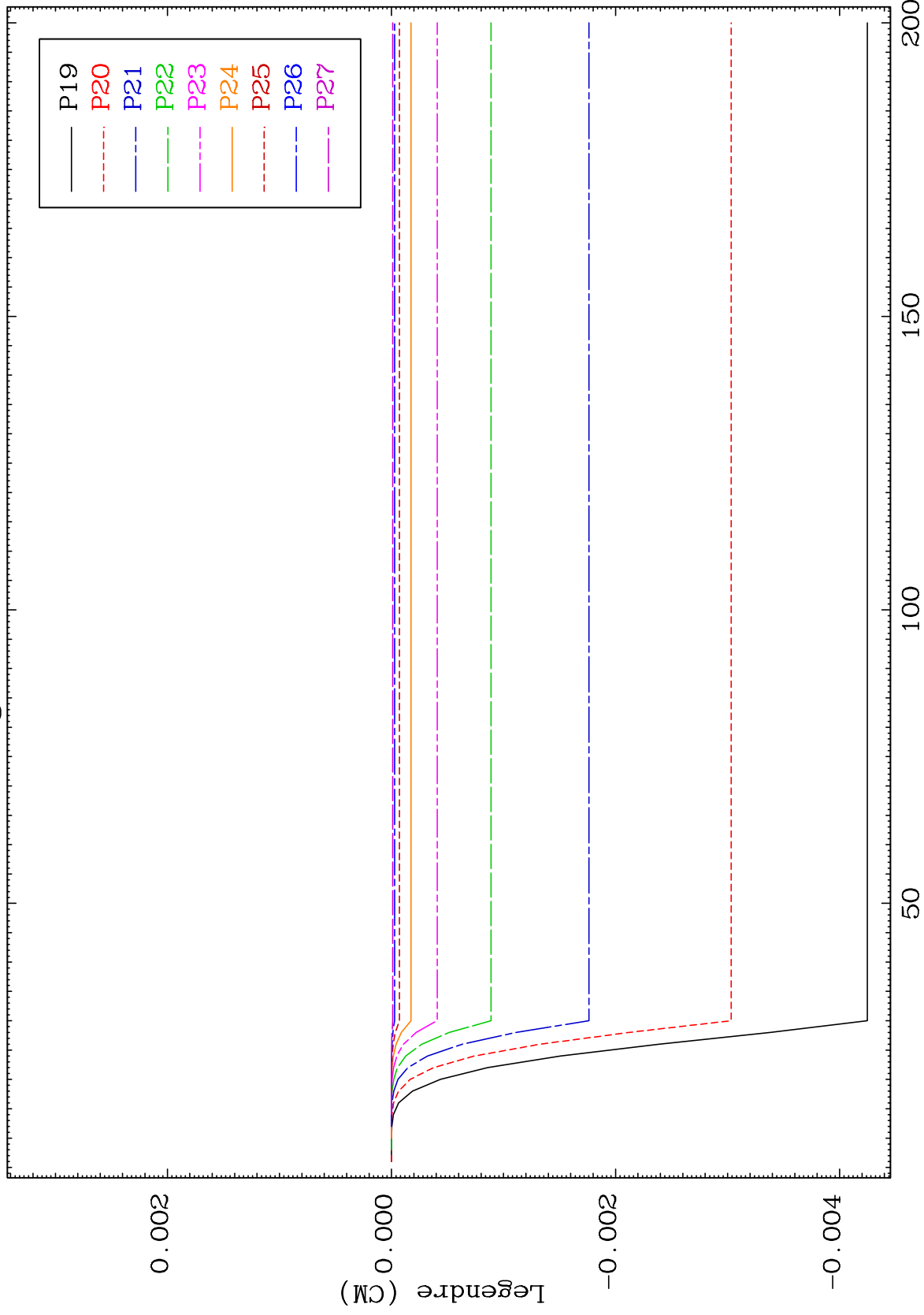
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



30

Incident Energy (MeV)

50

100

150

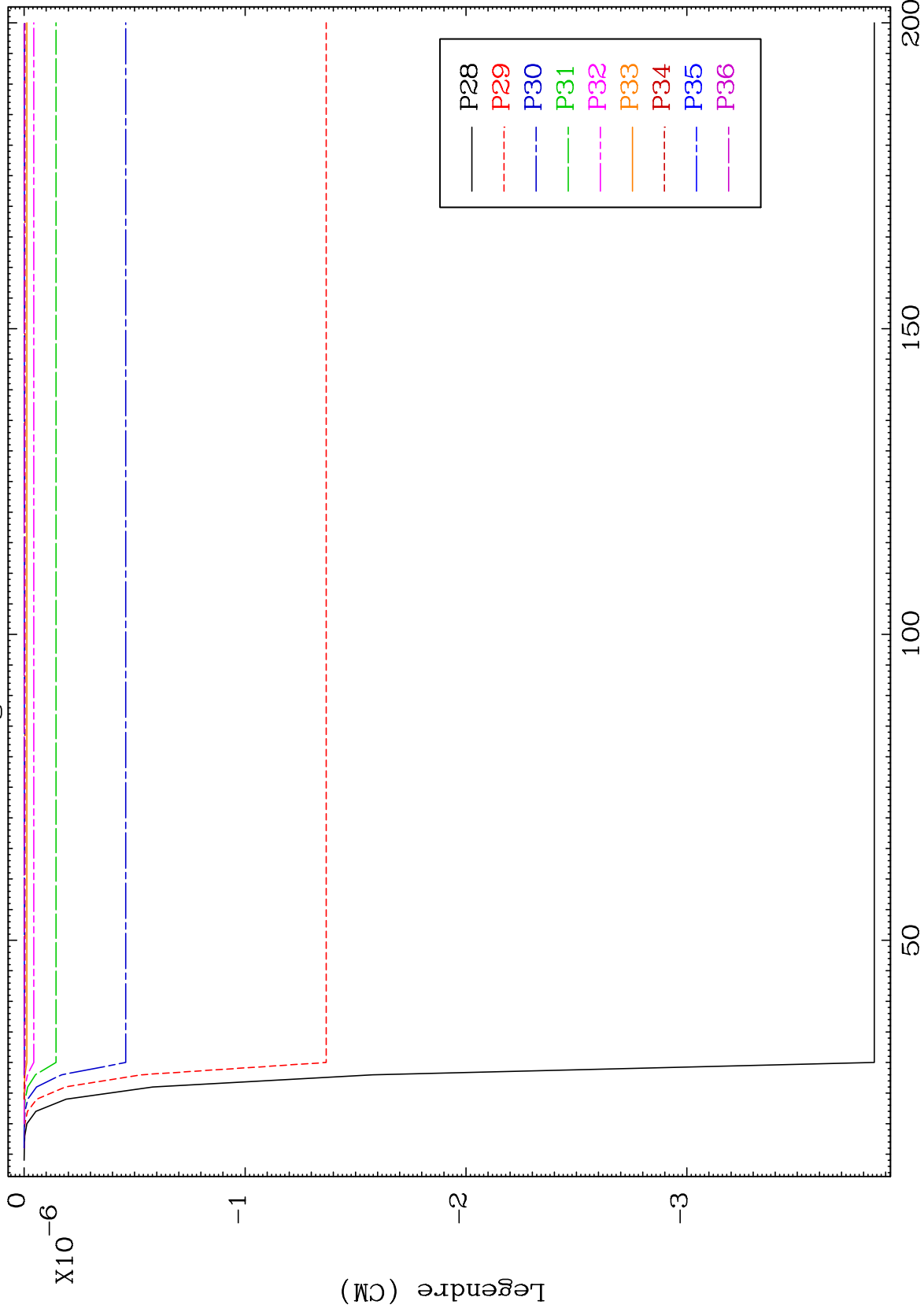
200

58-Ce-127

MAT 5798

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

58-Ce-127



31

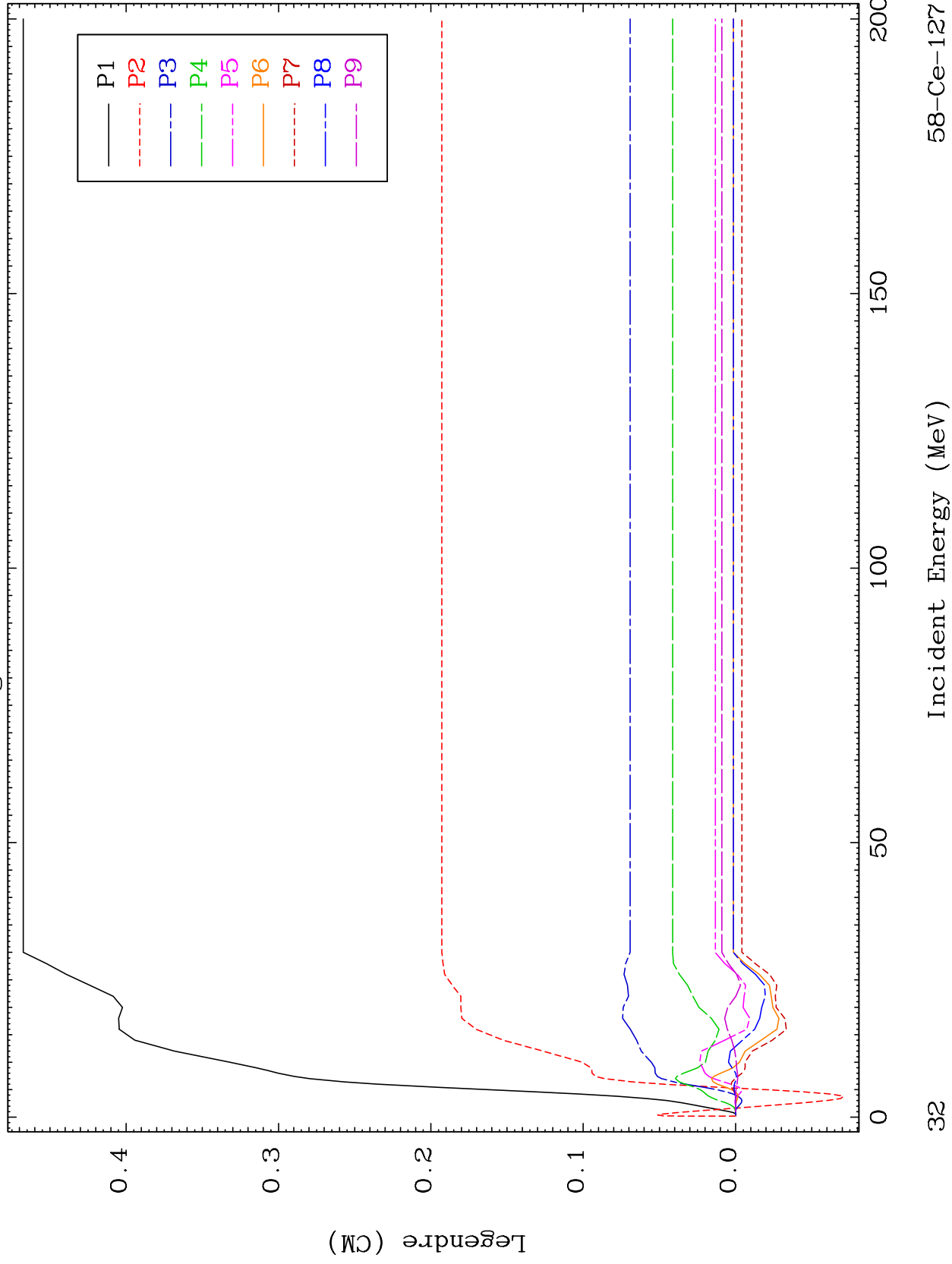
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



58-Ce-127

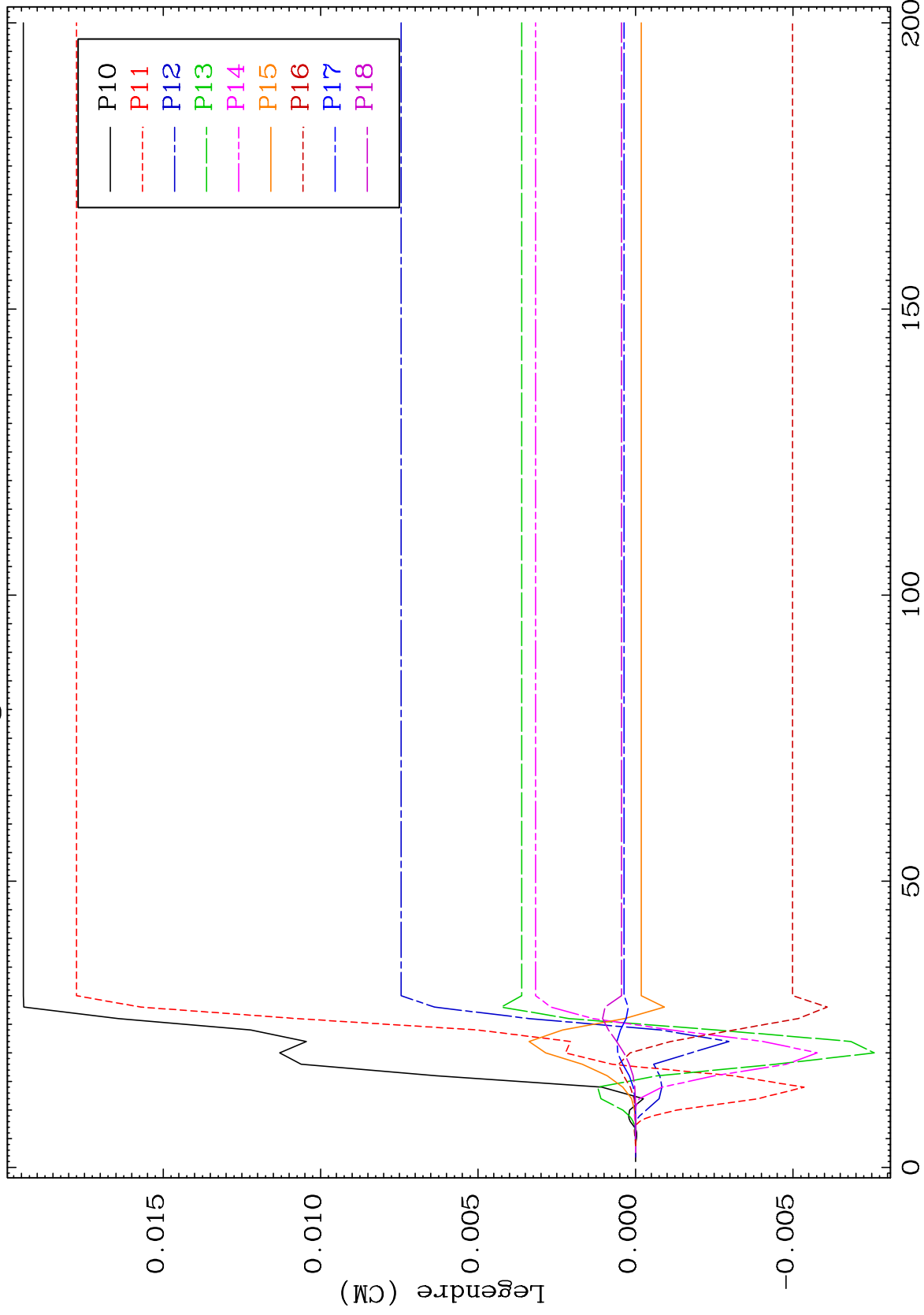
Incident Energy (MeV)

32

MAT 5798

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

58-Ce-127



33

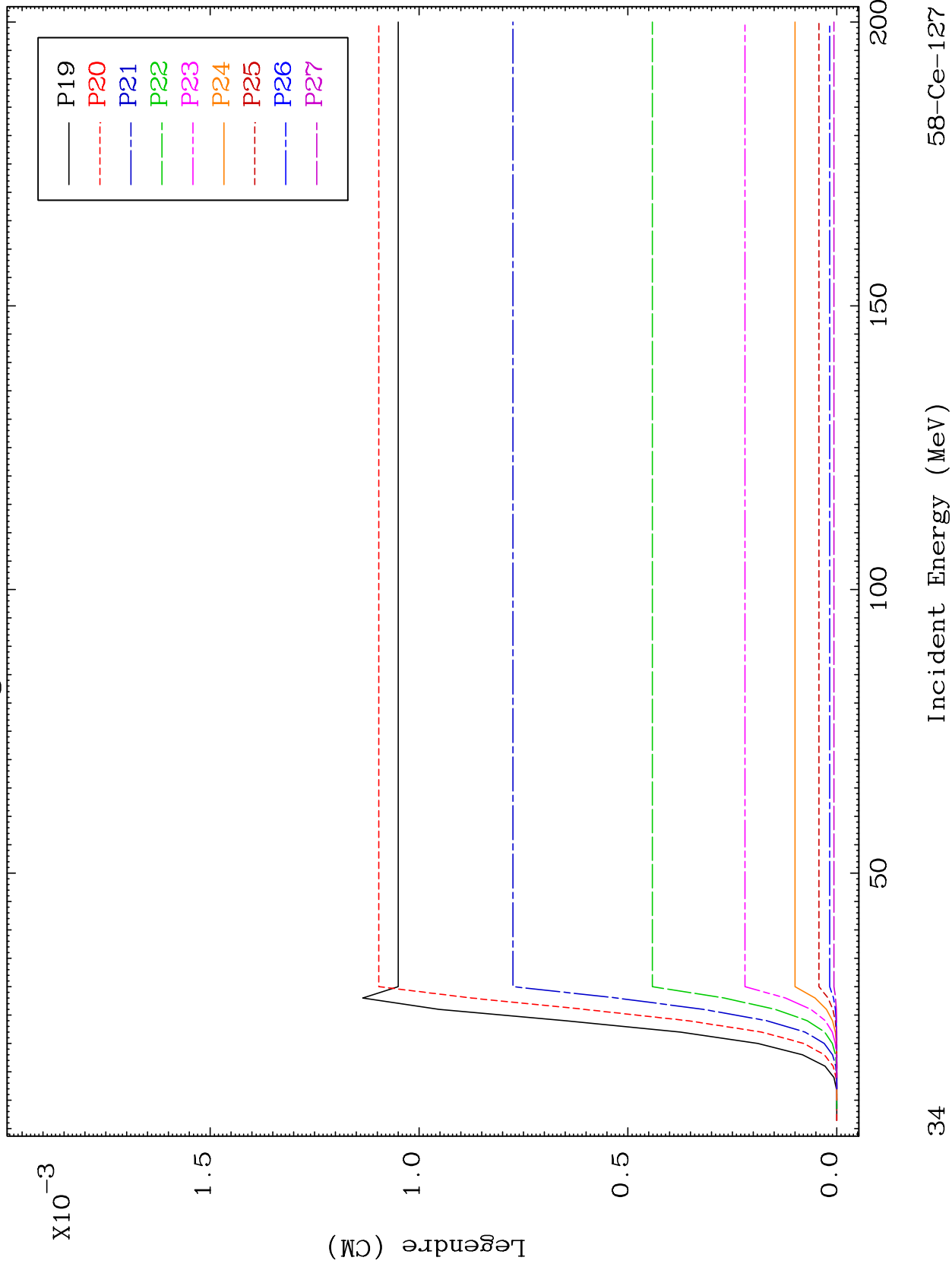
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



34

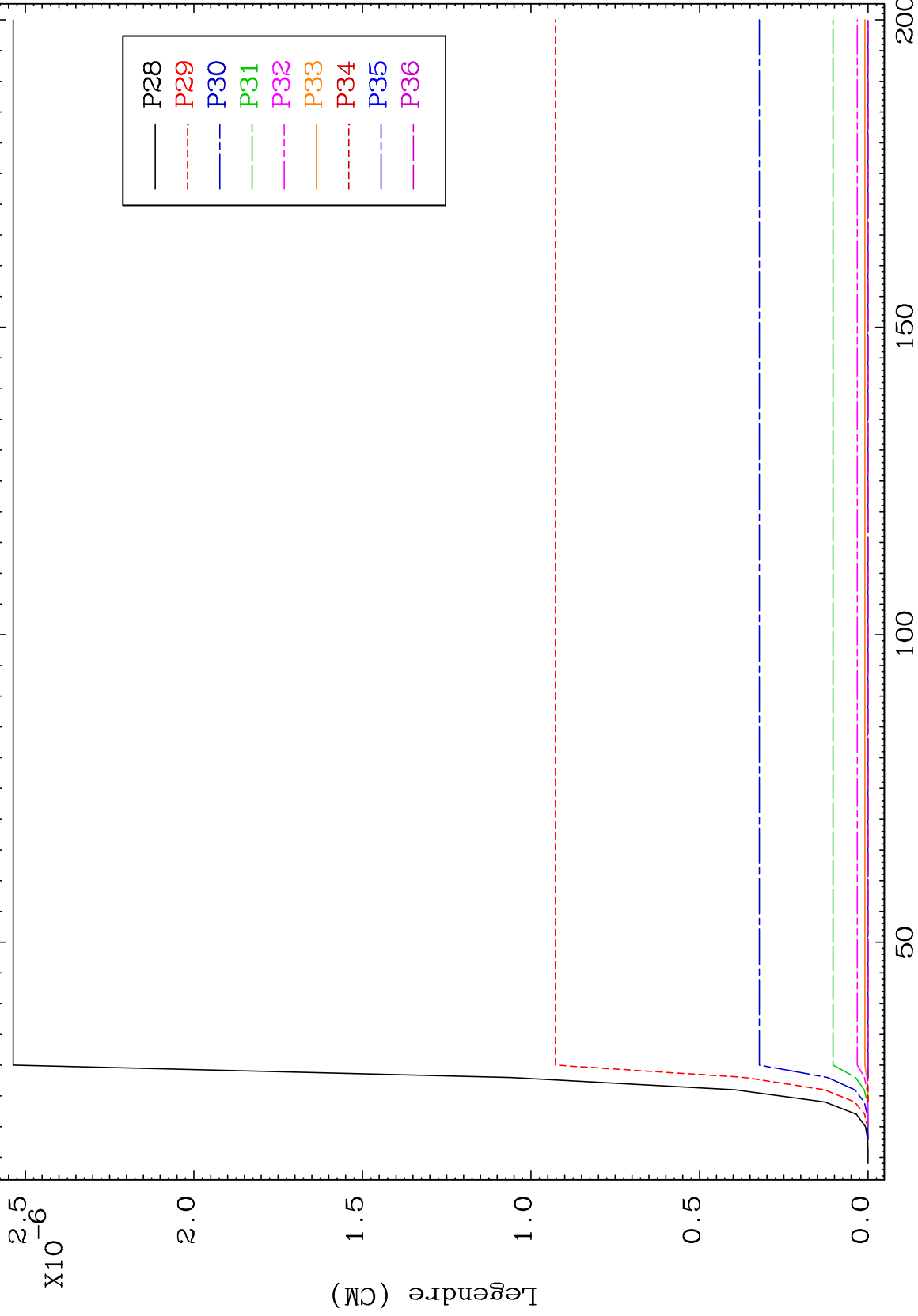
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



35

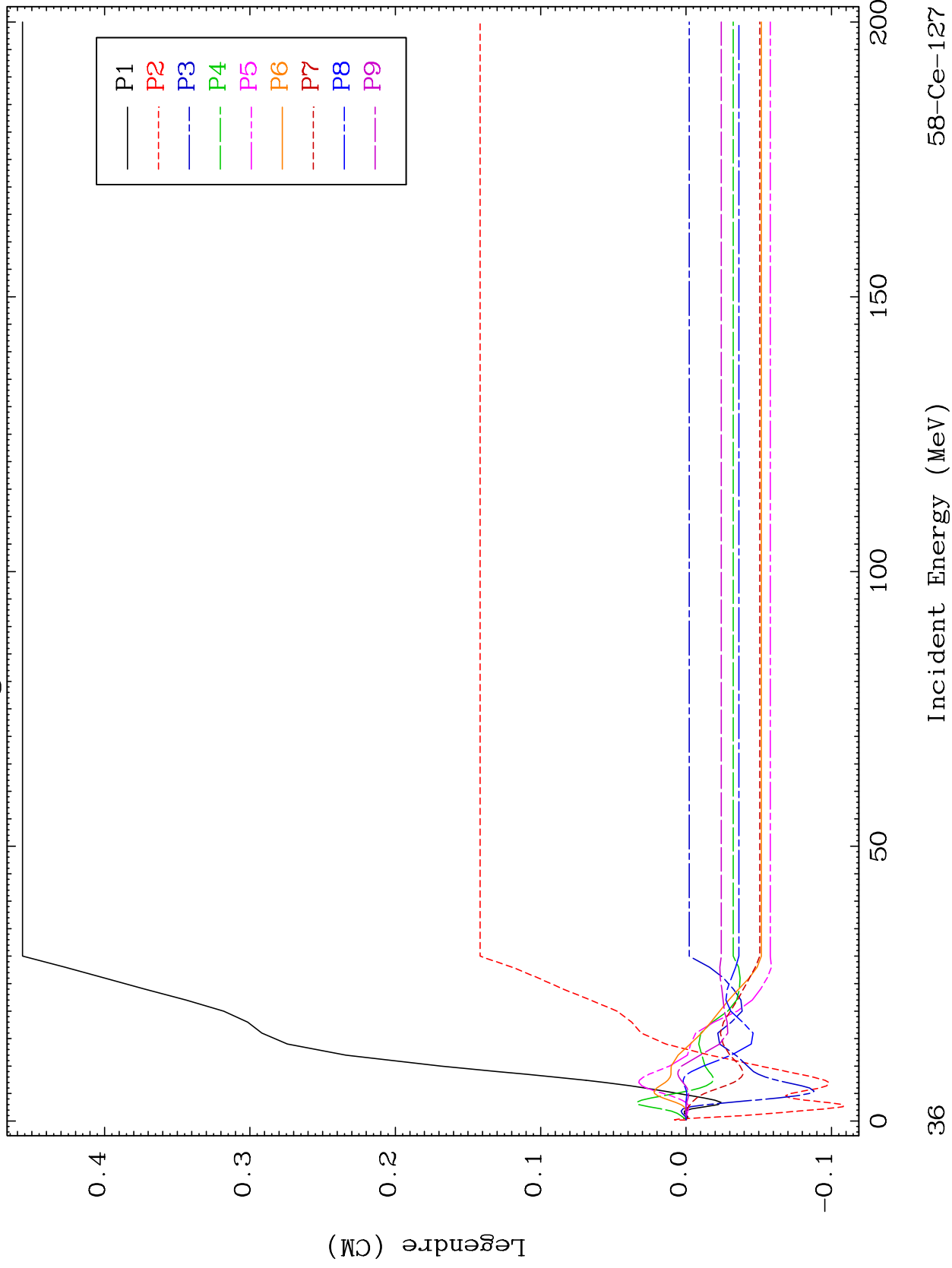
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



58-Ce-127

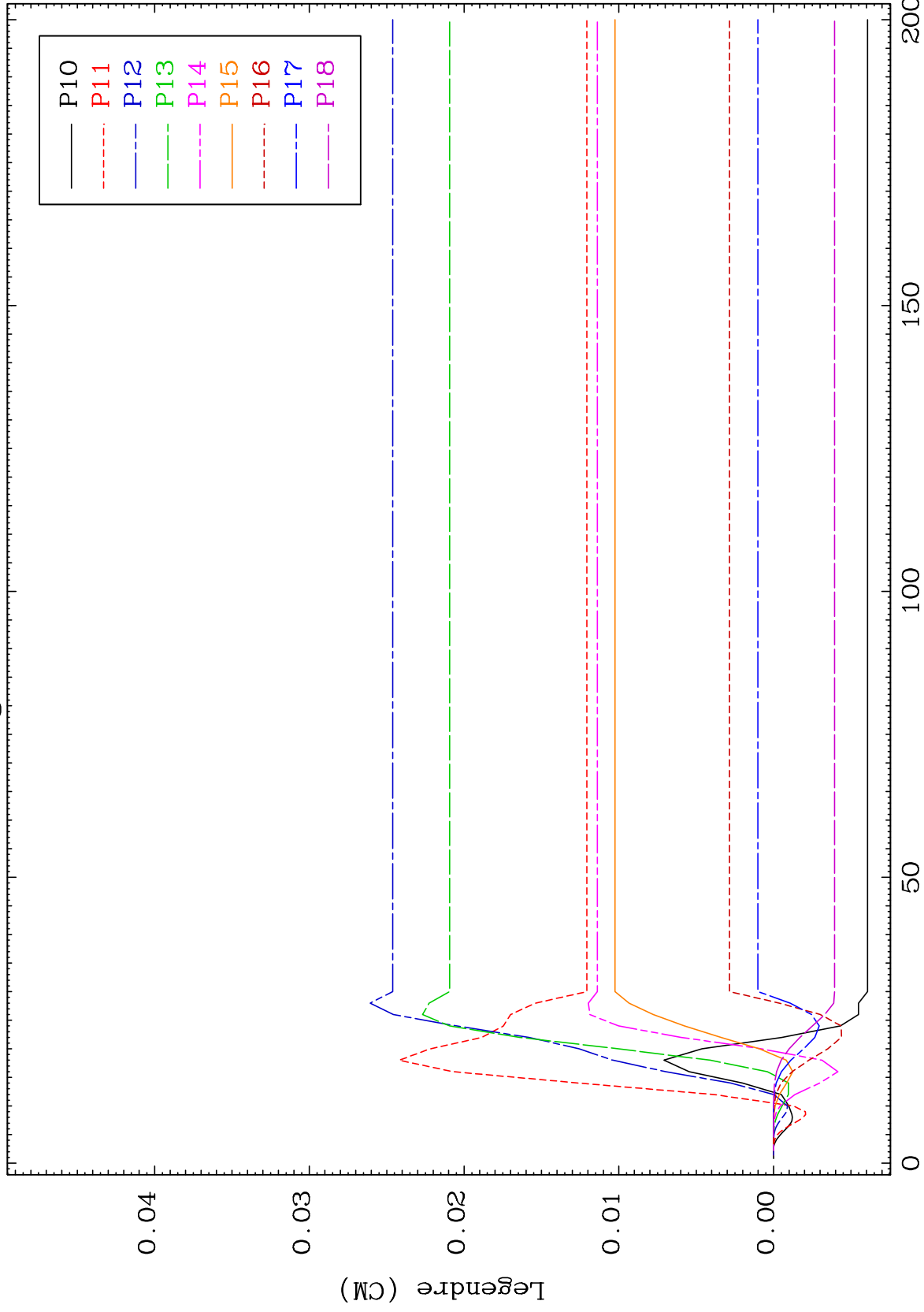
Incident Energy (MeV)

36

MAT 5798

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

58-Ce-127



37

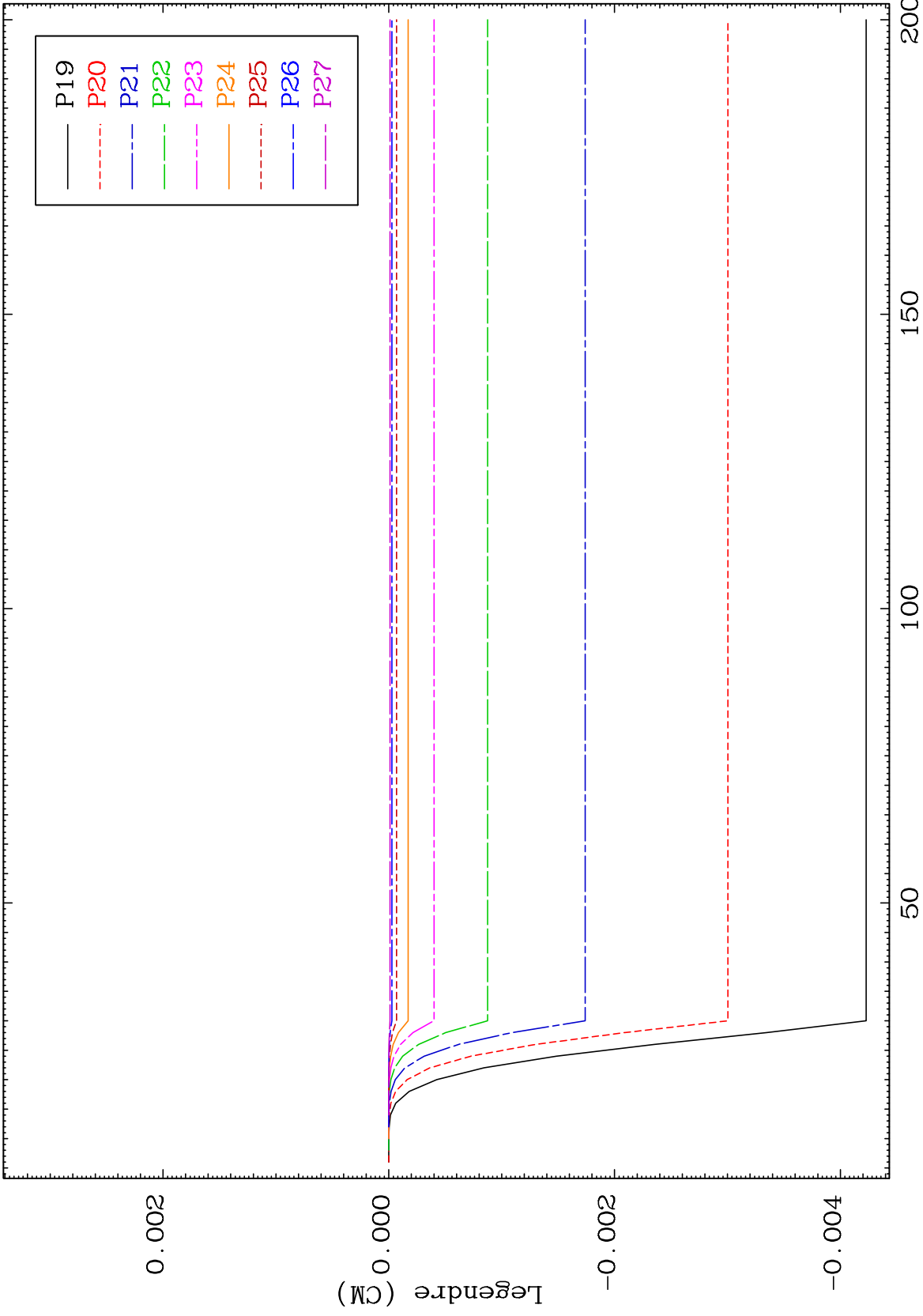
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



38

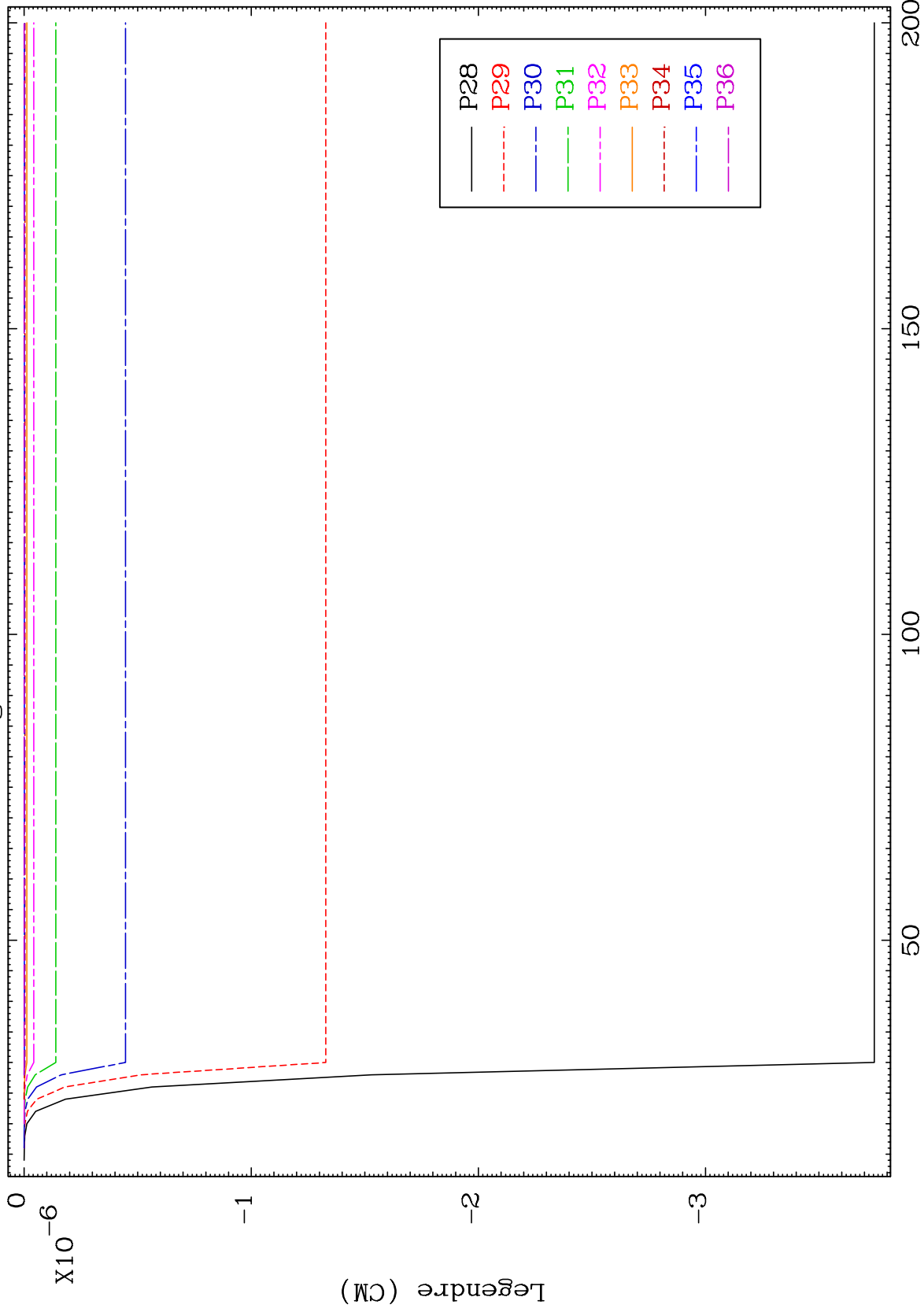
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



39

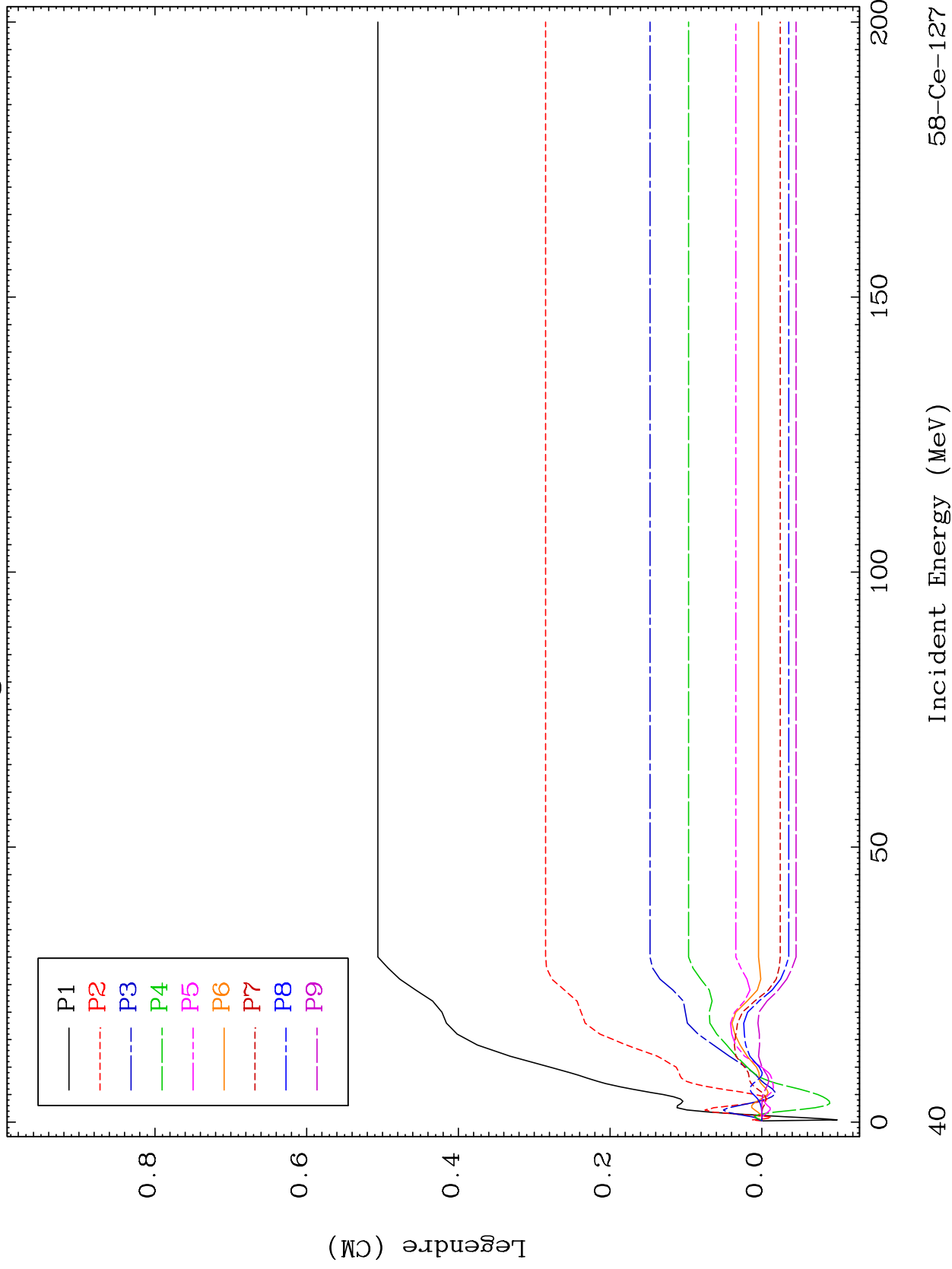
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



58-Ce-127

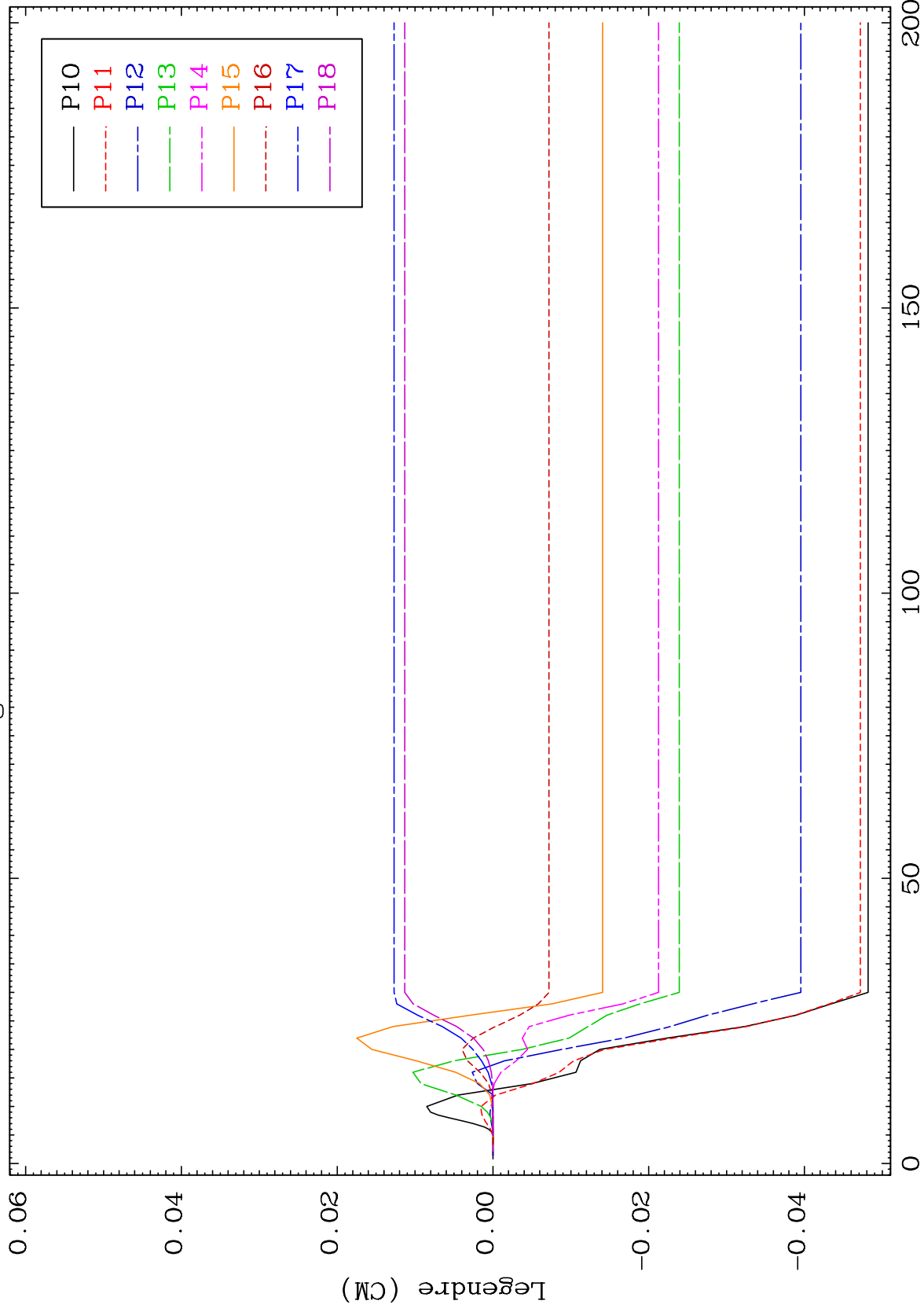
Incident Energy (MeV)

40

MAT 5798

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

58-Ce-127



41

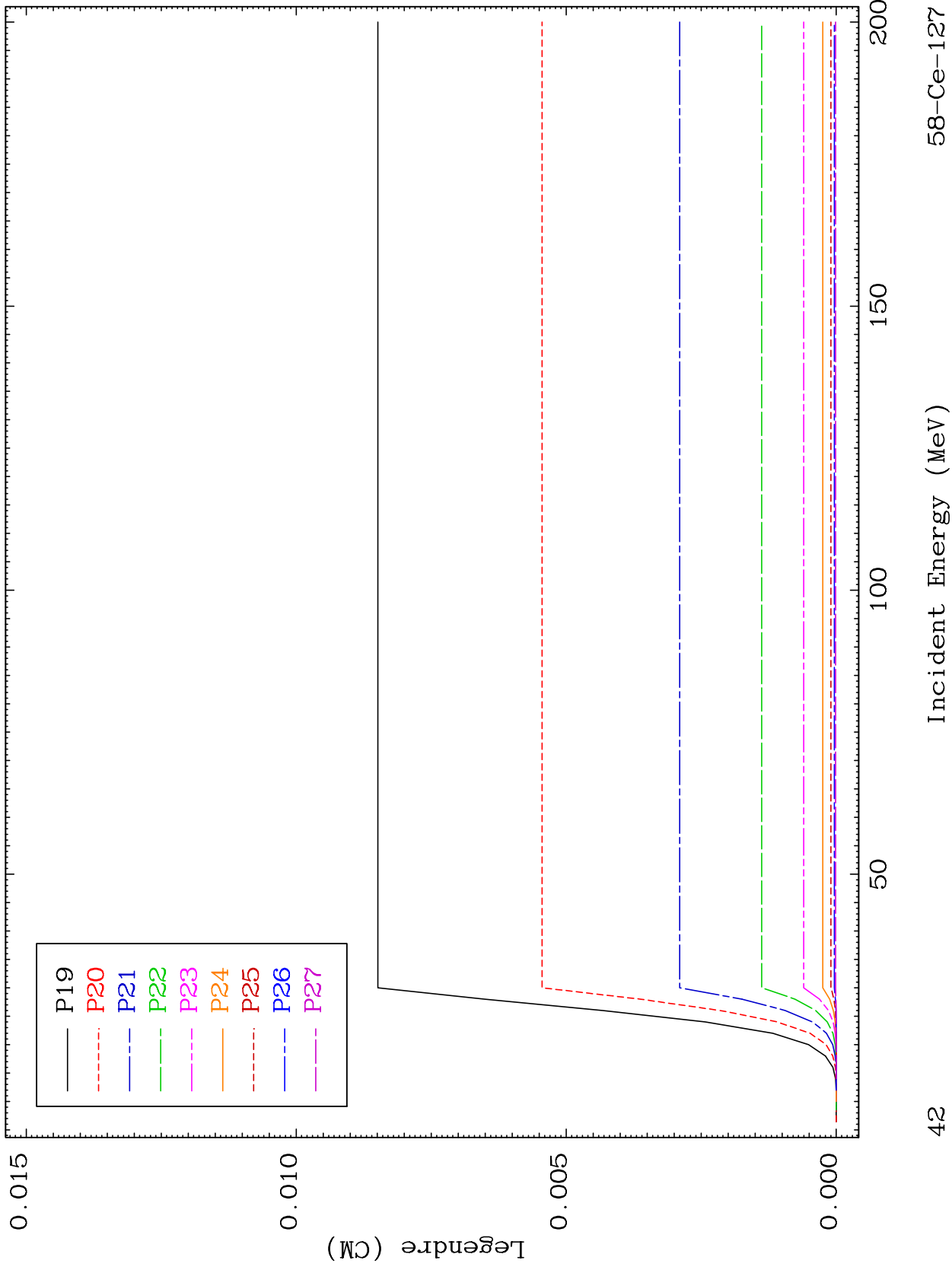
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



42

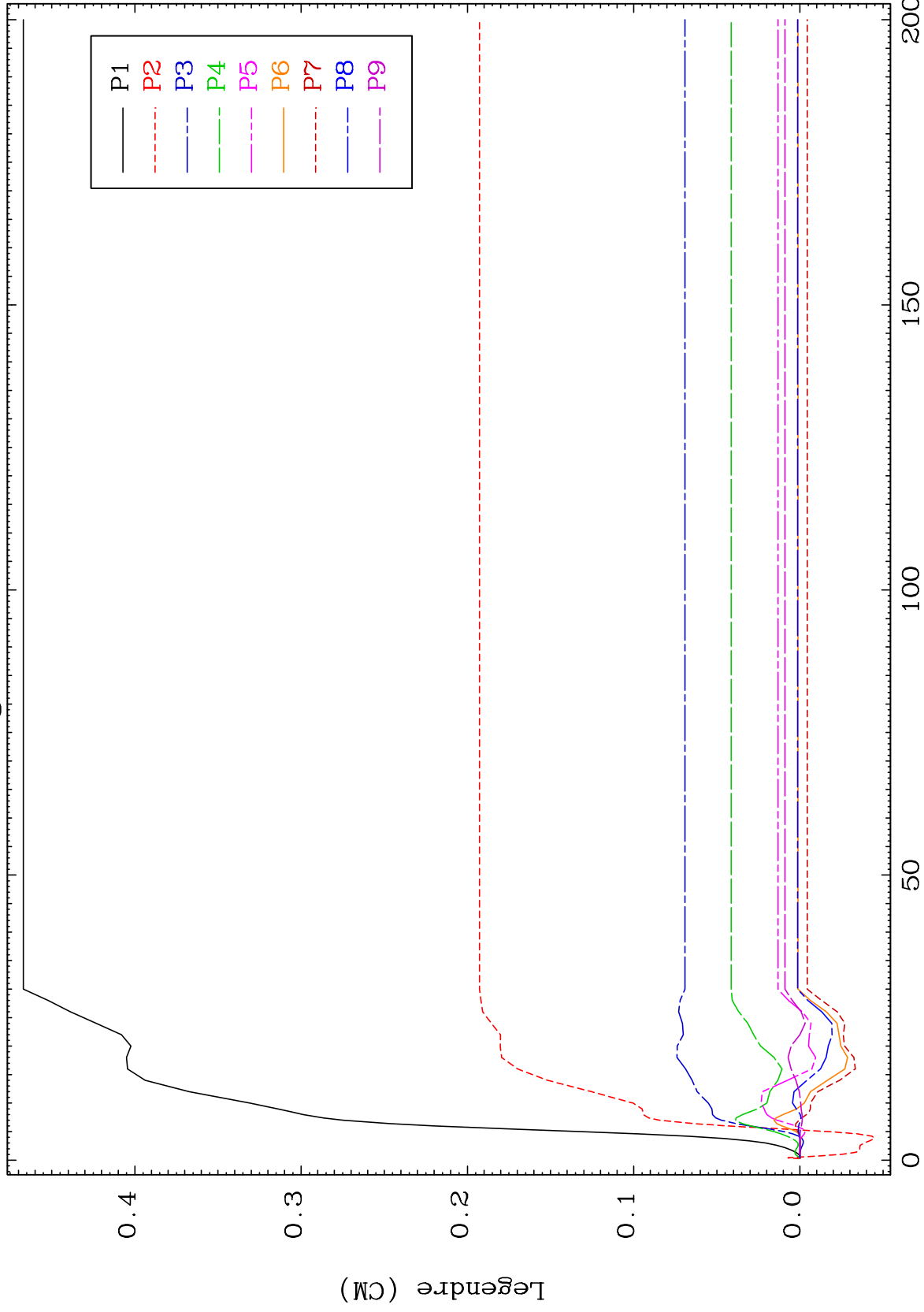
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

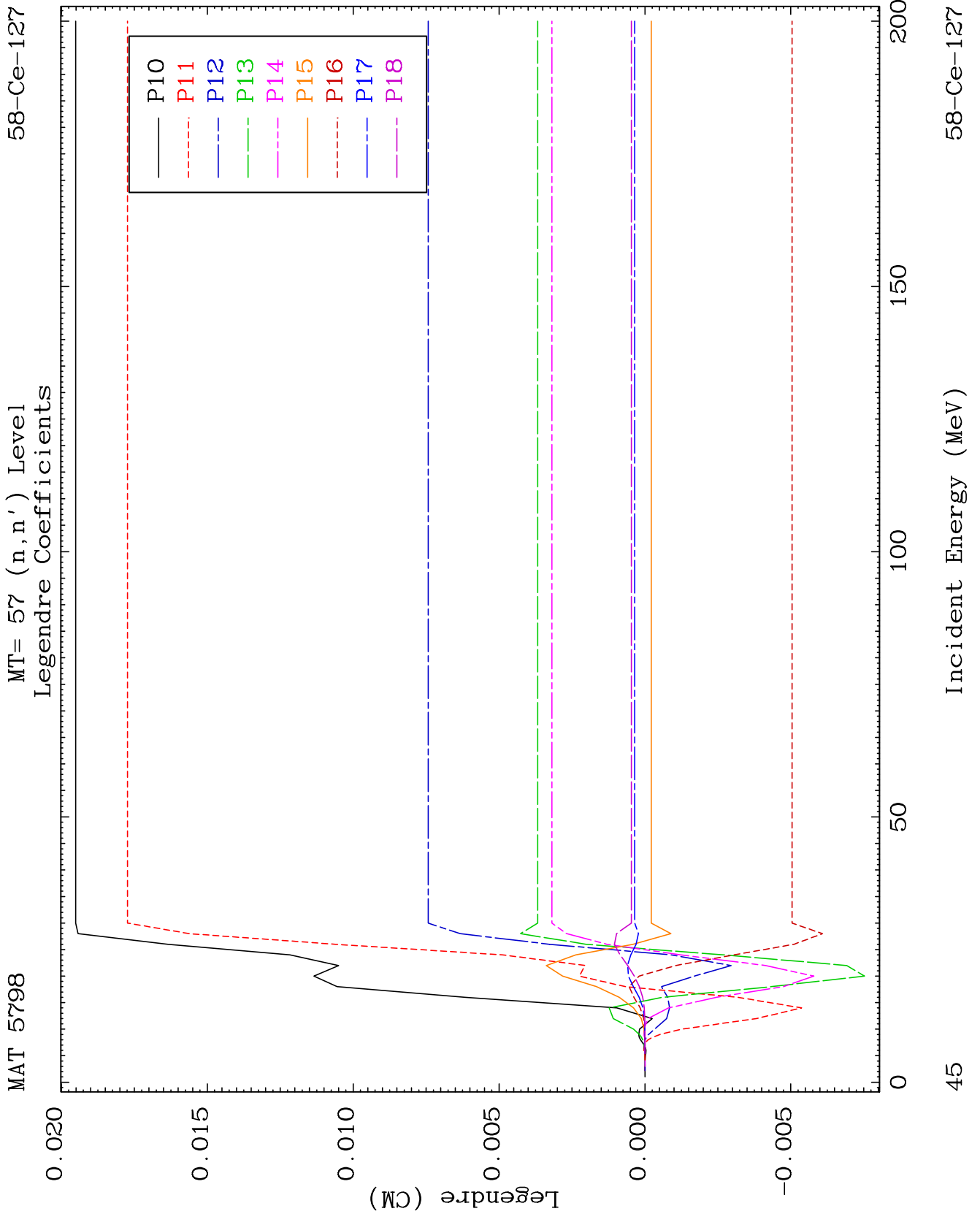
58-Ce-127



44

Incident Energy (MeV)

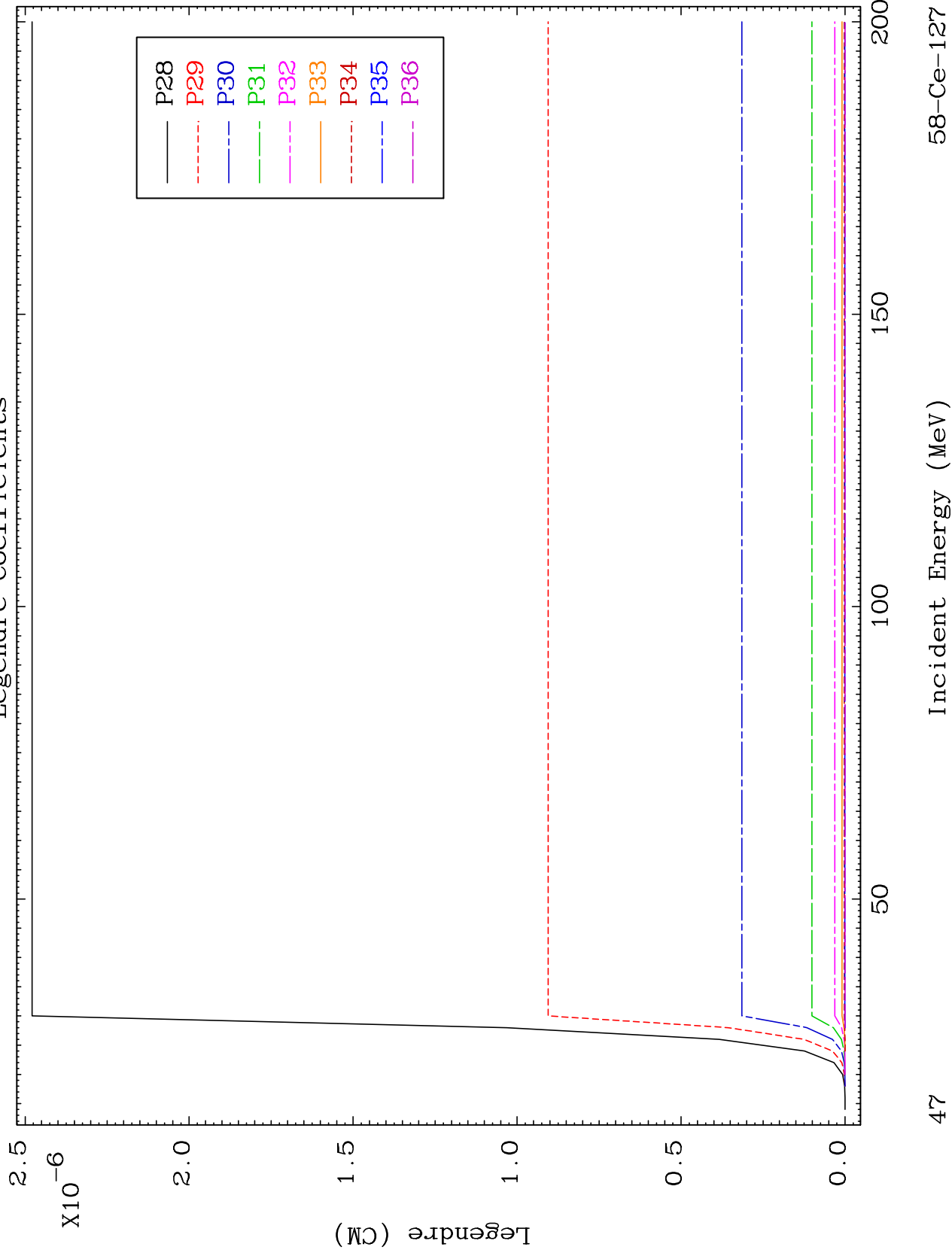
58-Ce-127



MAT 5798

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

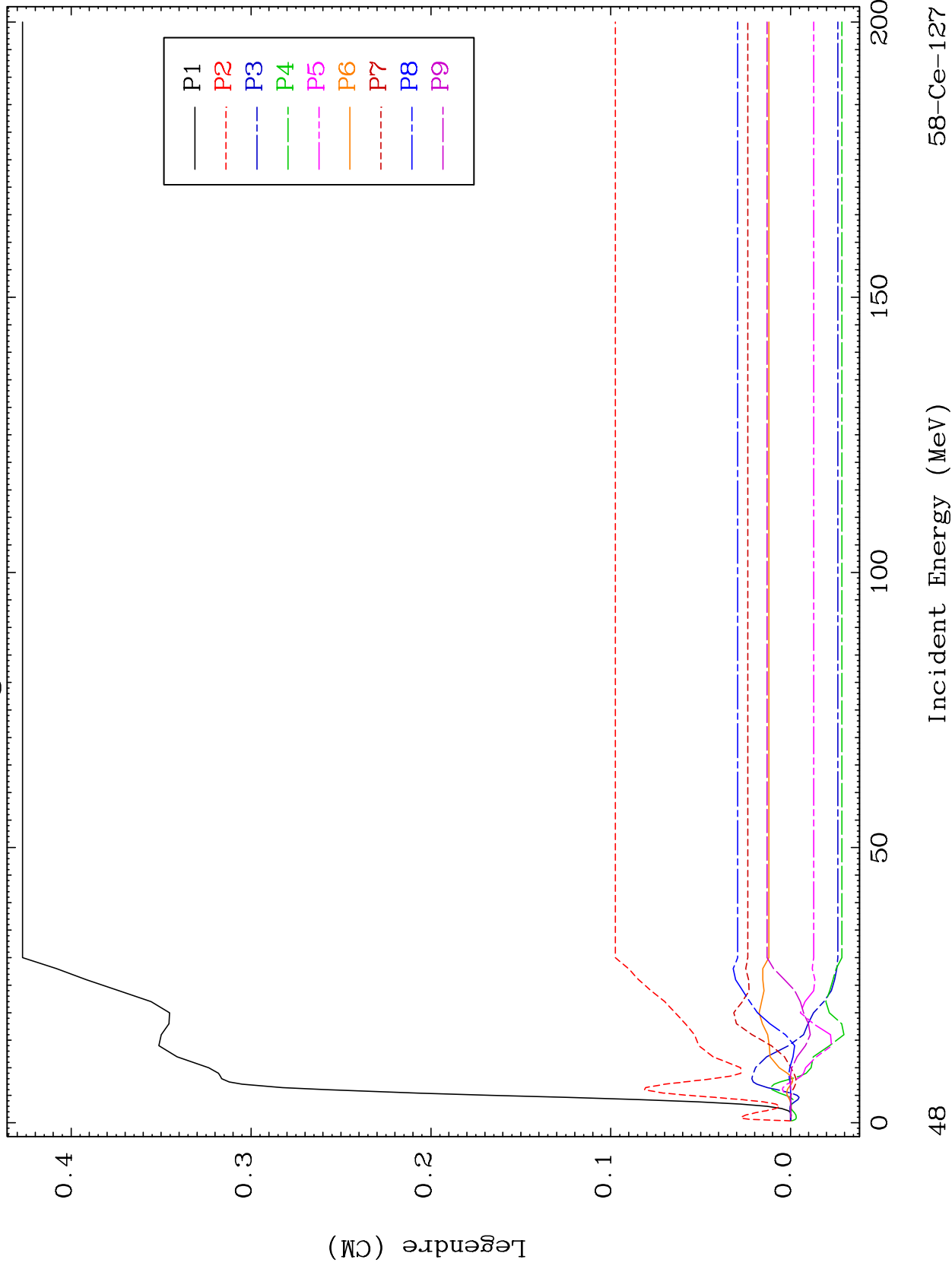
58-Ce-127



MAT 5798

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

58-Ce-127



58-Ce-127

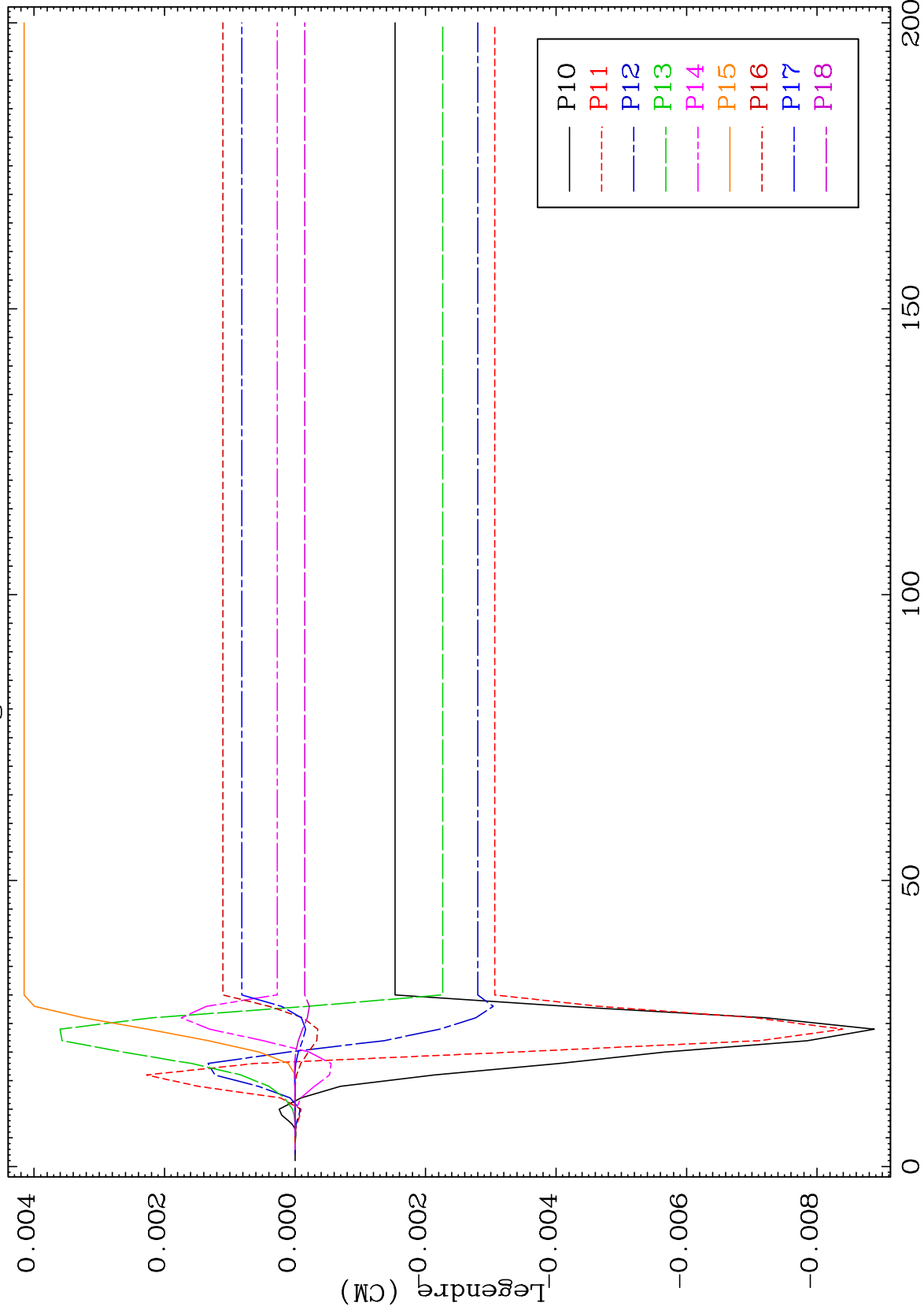
Incident Energy (MeV)

48

MAT 5798

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

58-Ce-127



49

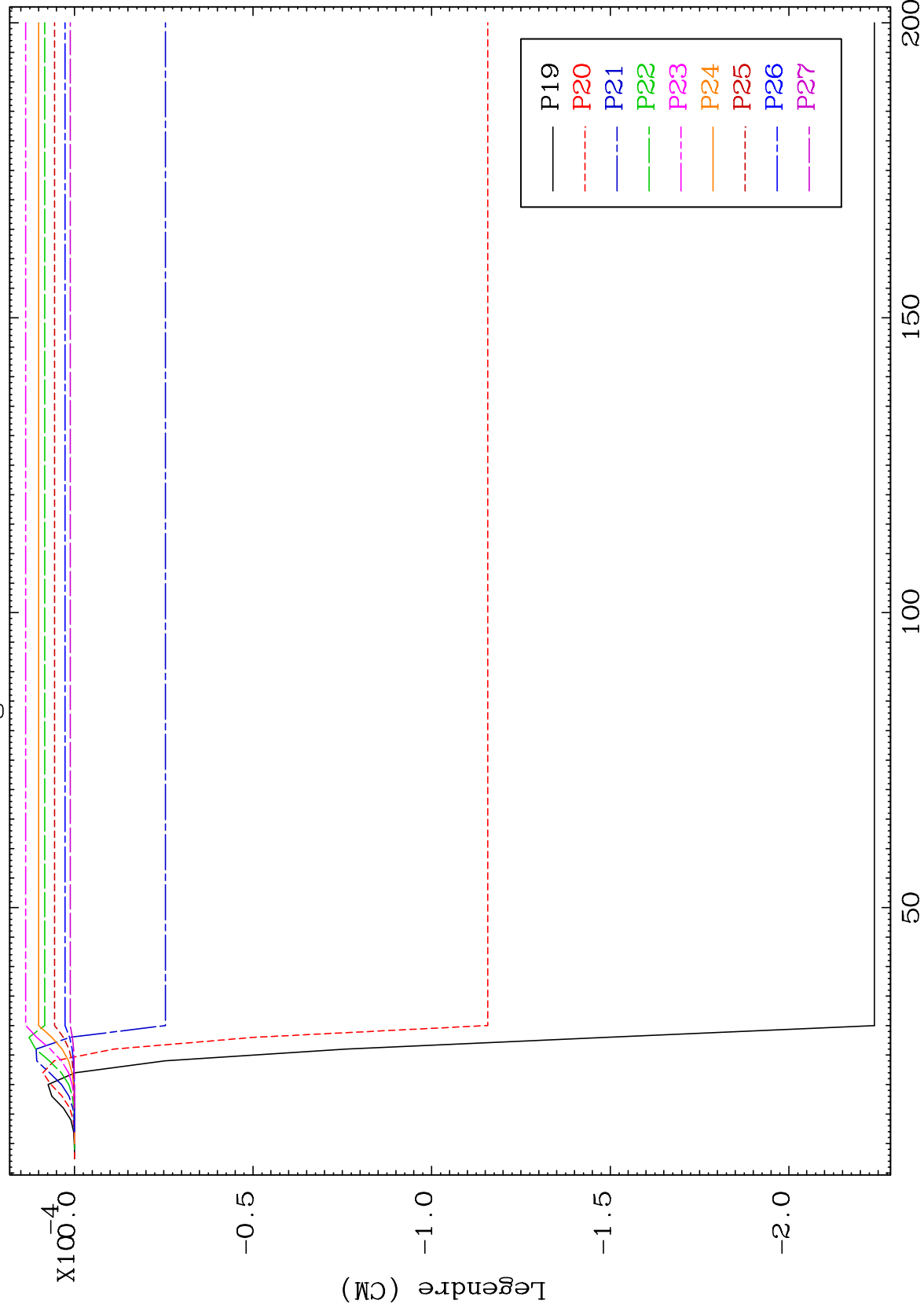
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



50

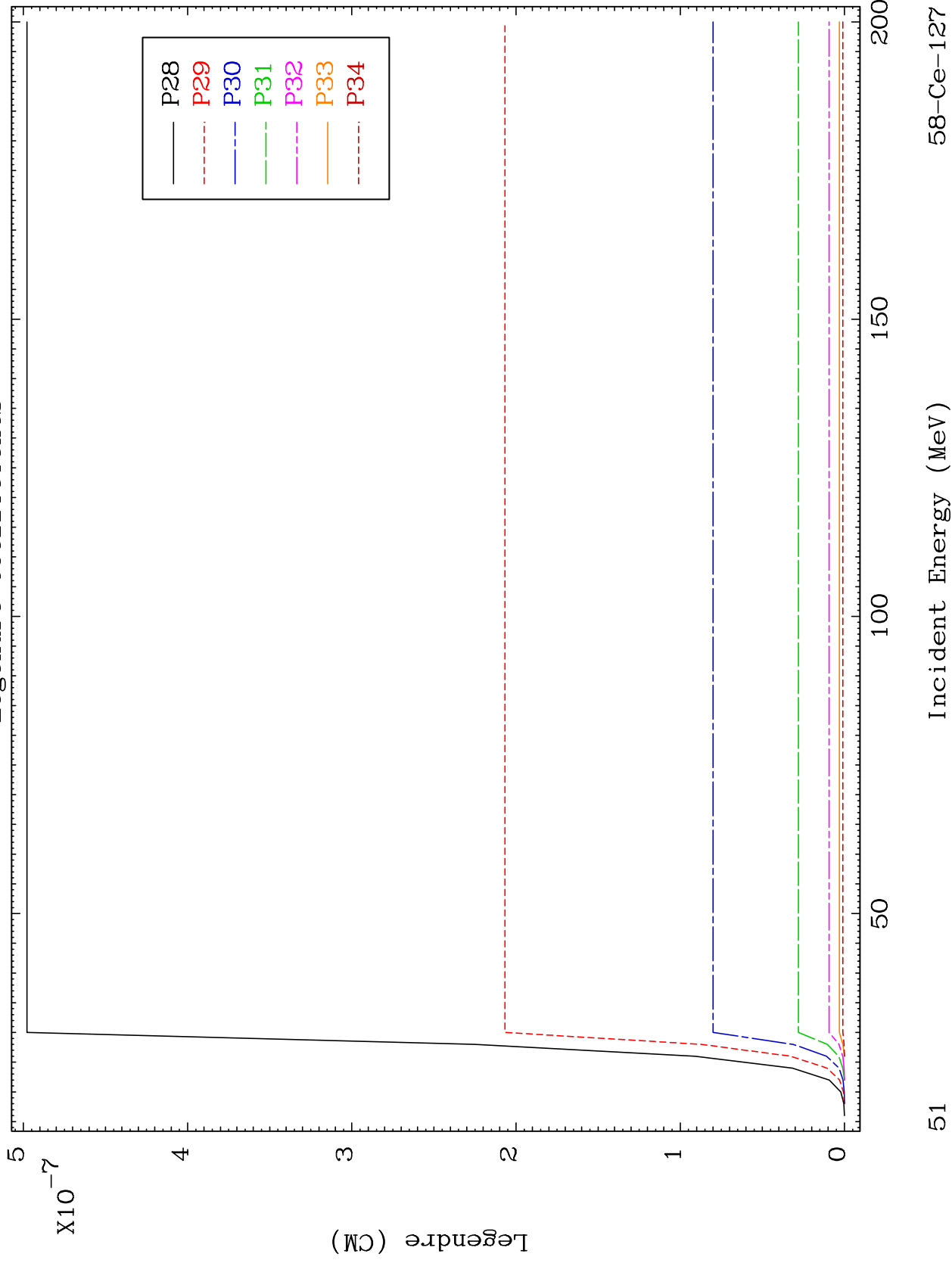
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



51

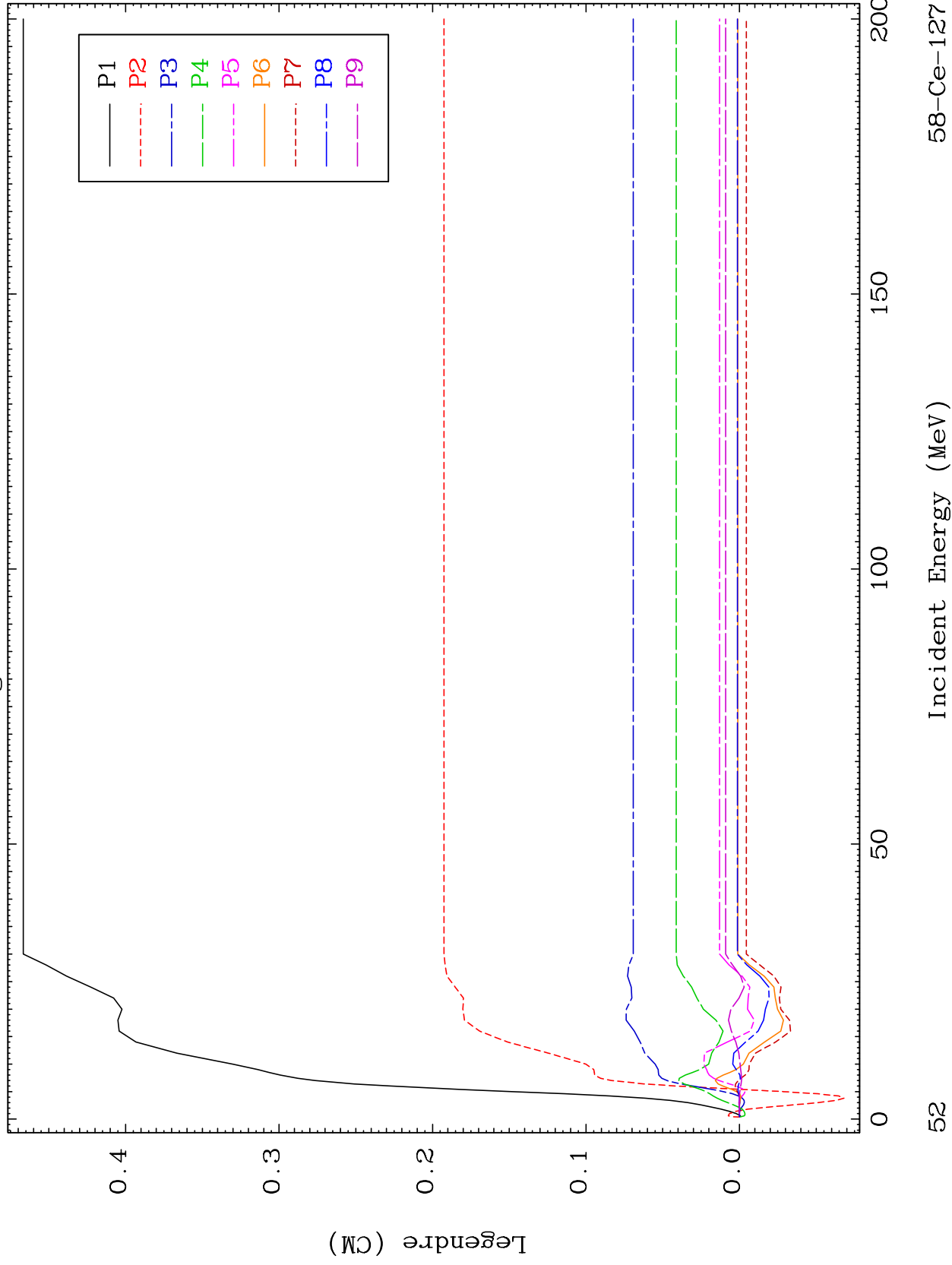
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

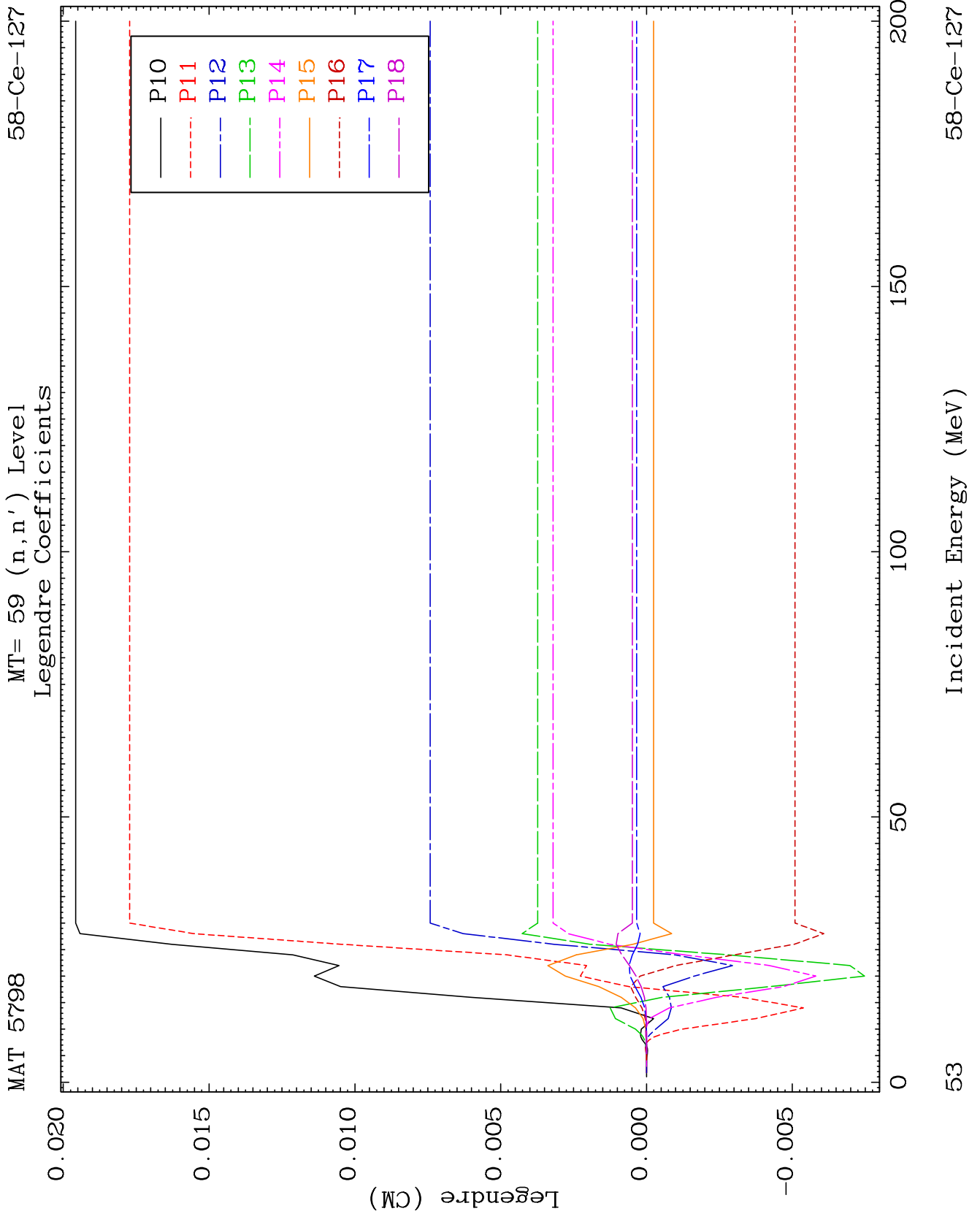
58-Ce-127



58-Ce-127

Incident Energy (MeV)

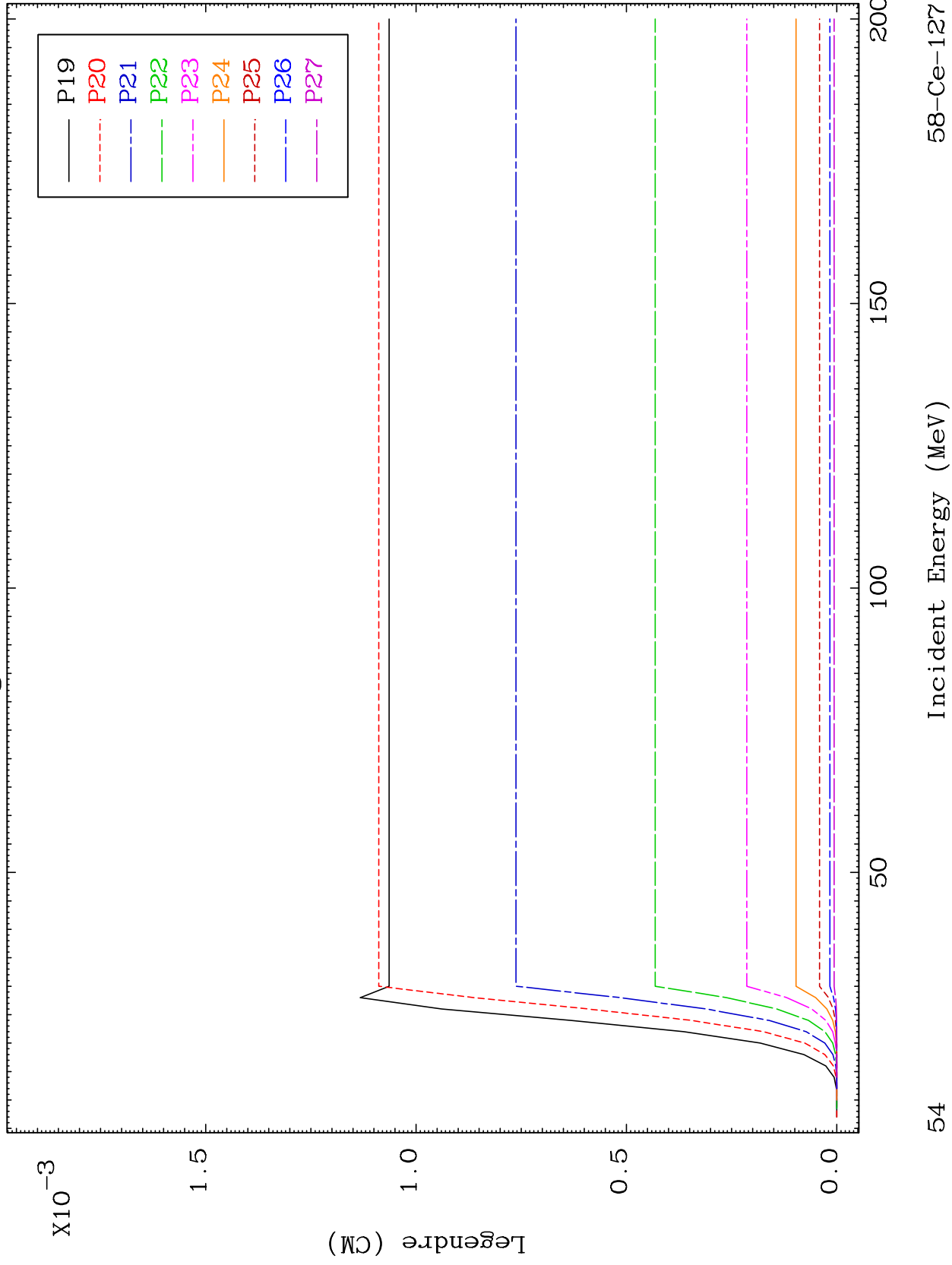
52



MAT 5798

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

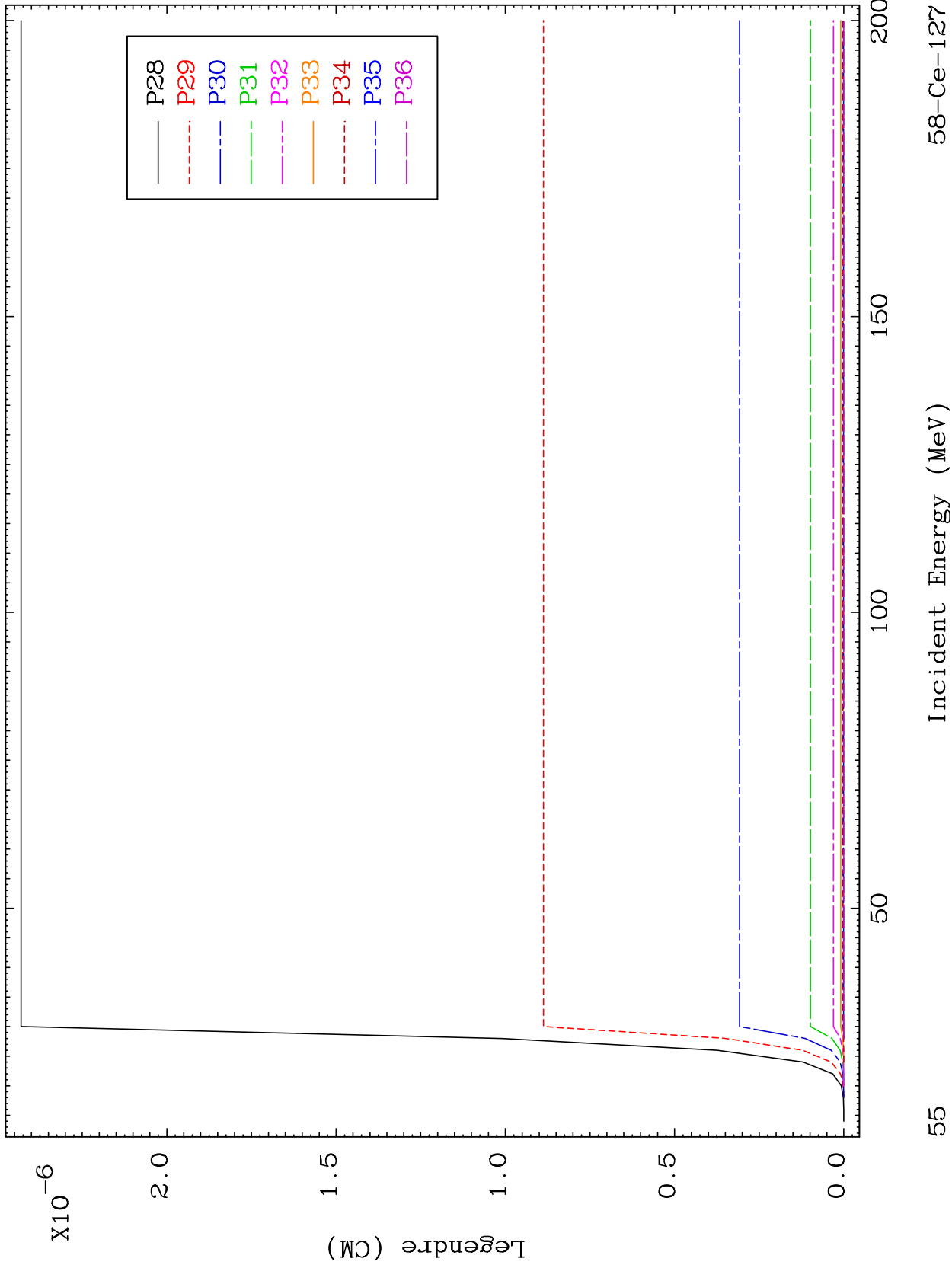
58-Ce-127



MAT 5798

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

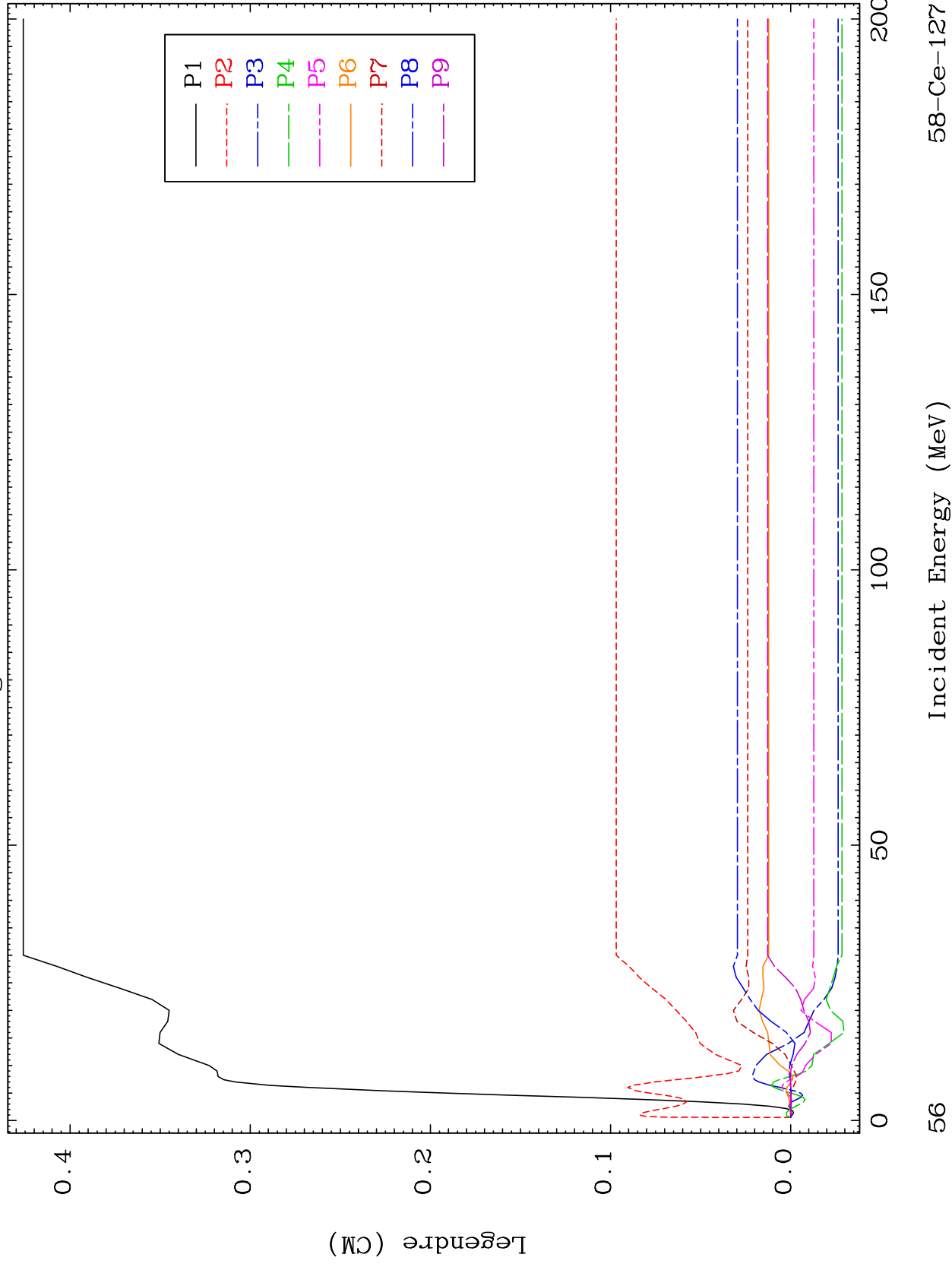
58-Ce-127



MAT 5798

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

58-Ce-127



58-Ce-127

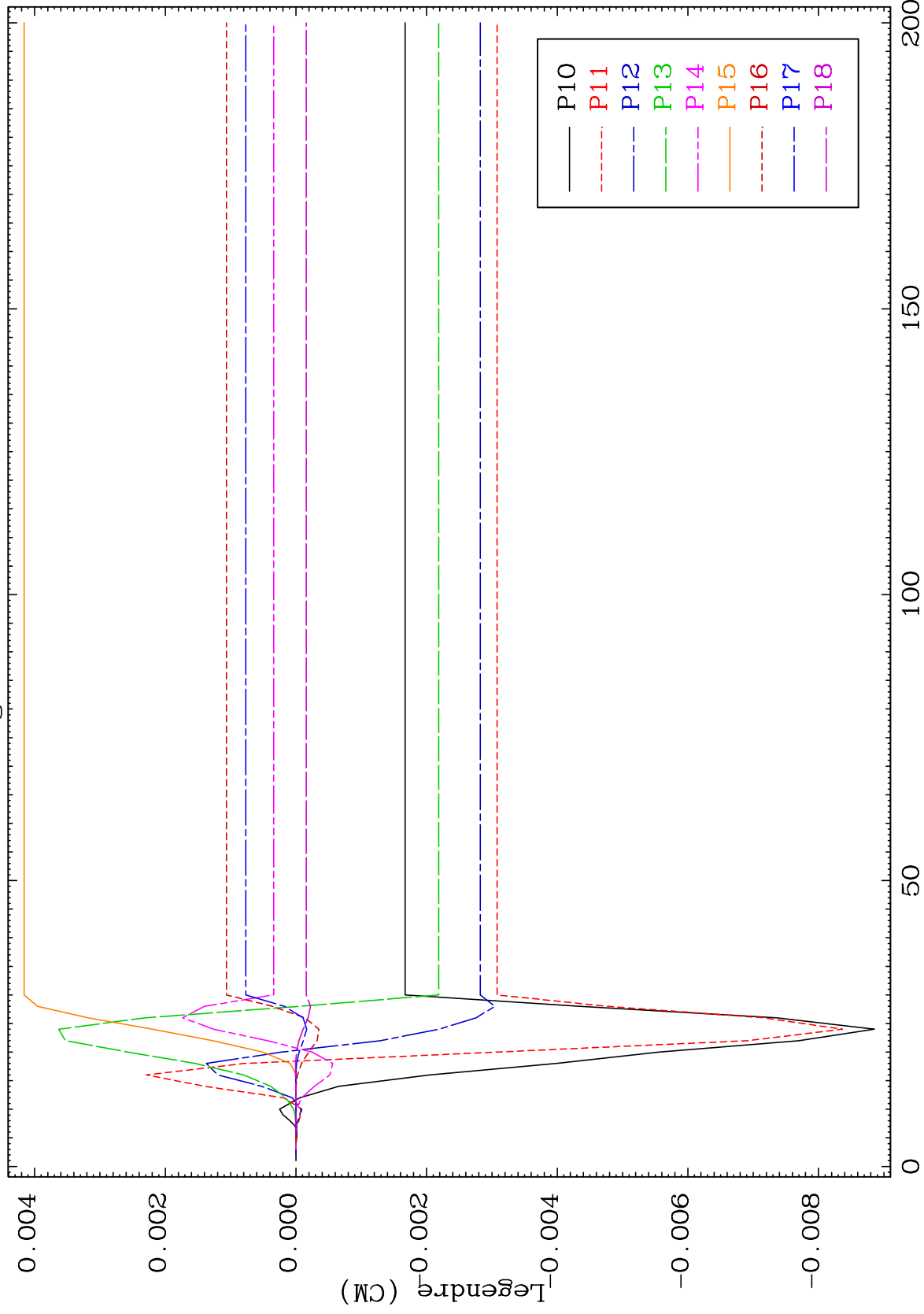
Incident Energy (MeV)

56

MAT 5798

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

58-Ce-127



57

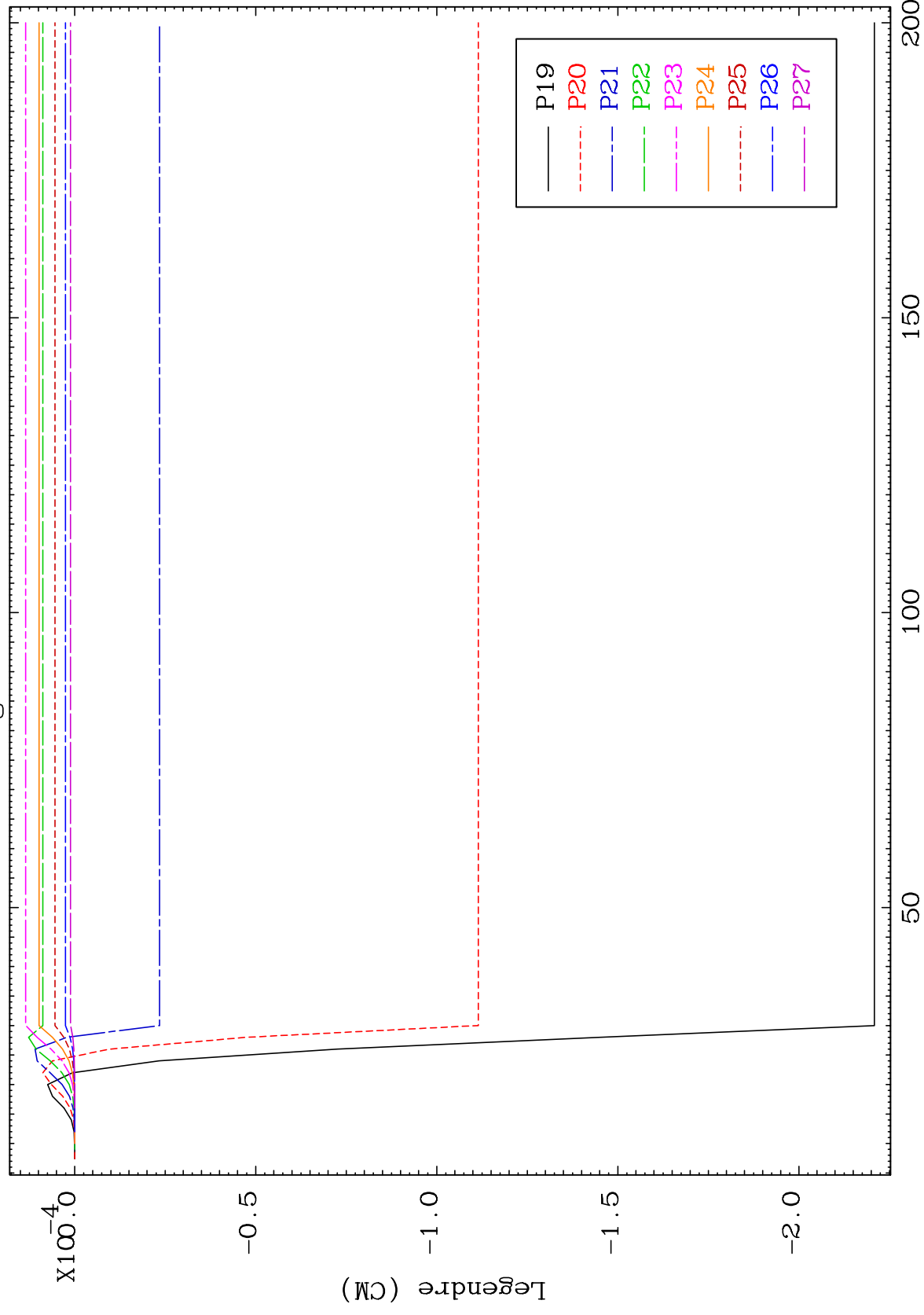
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



58

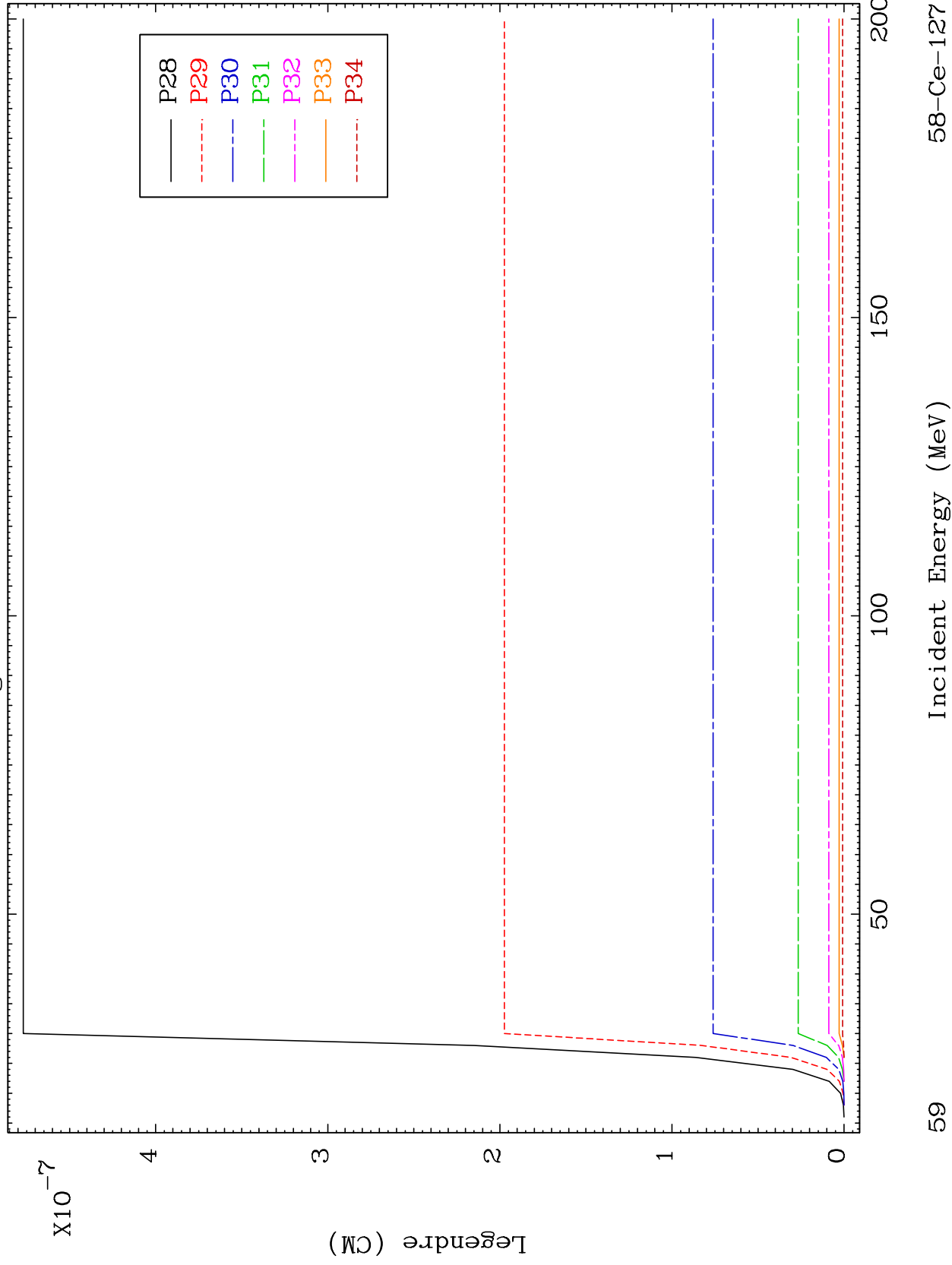
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



59

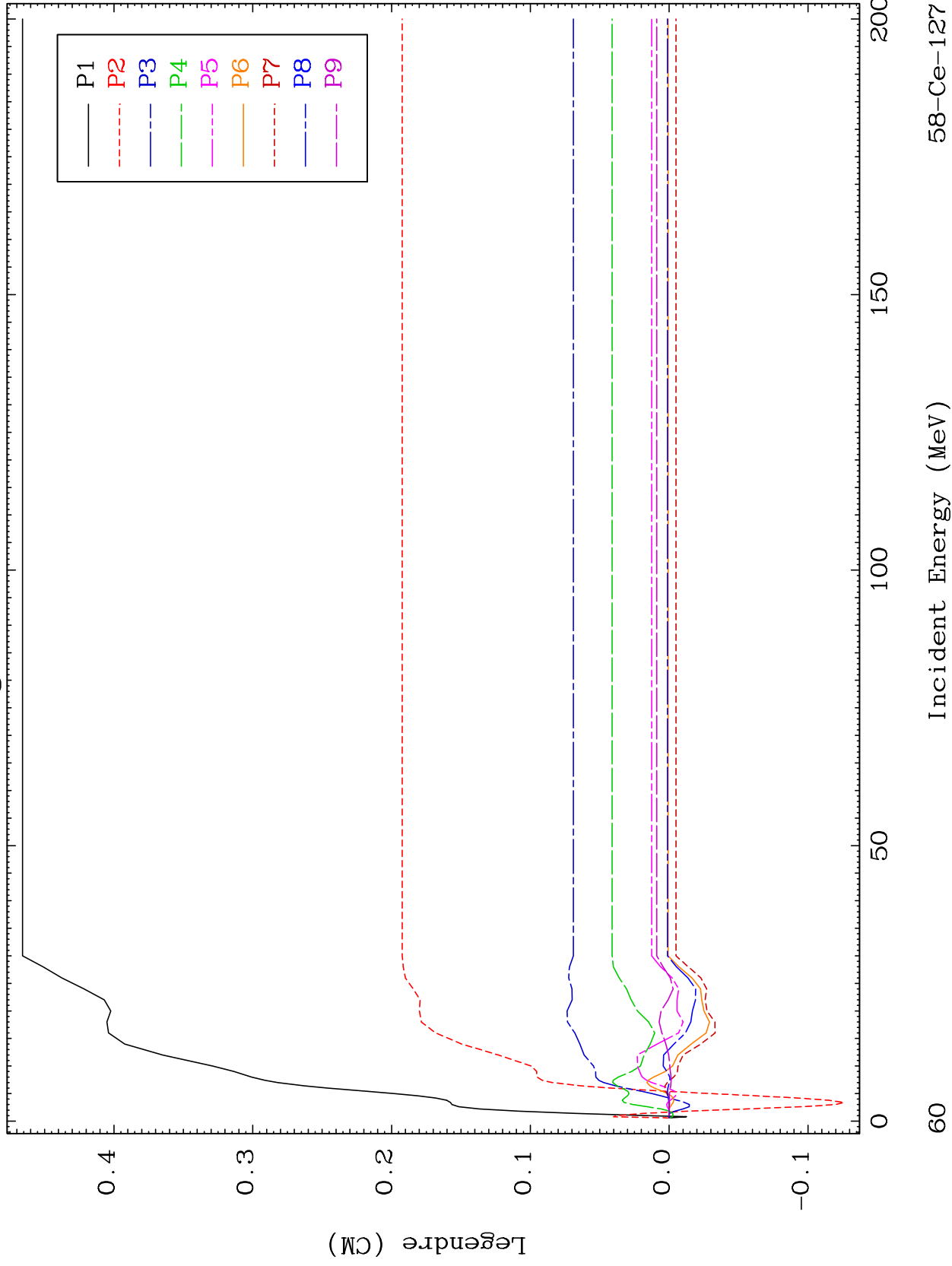
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127

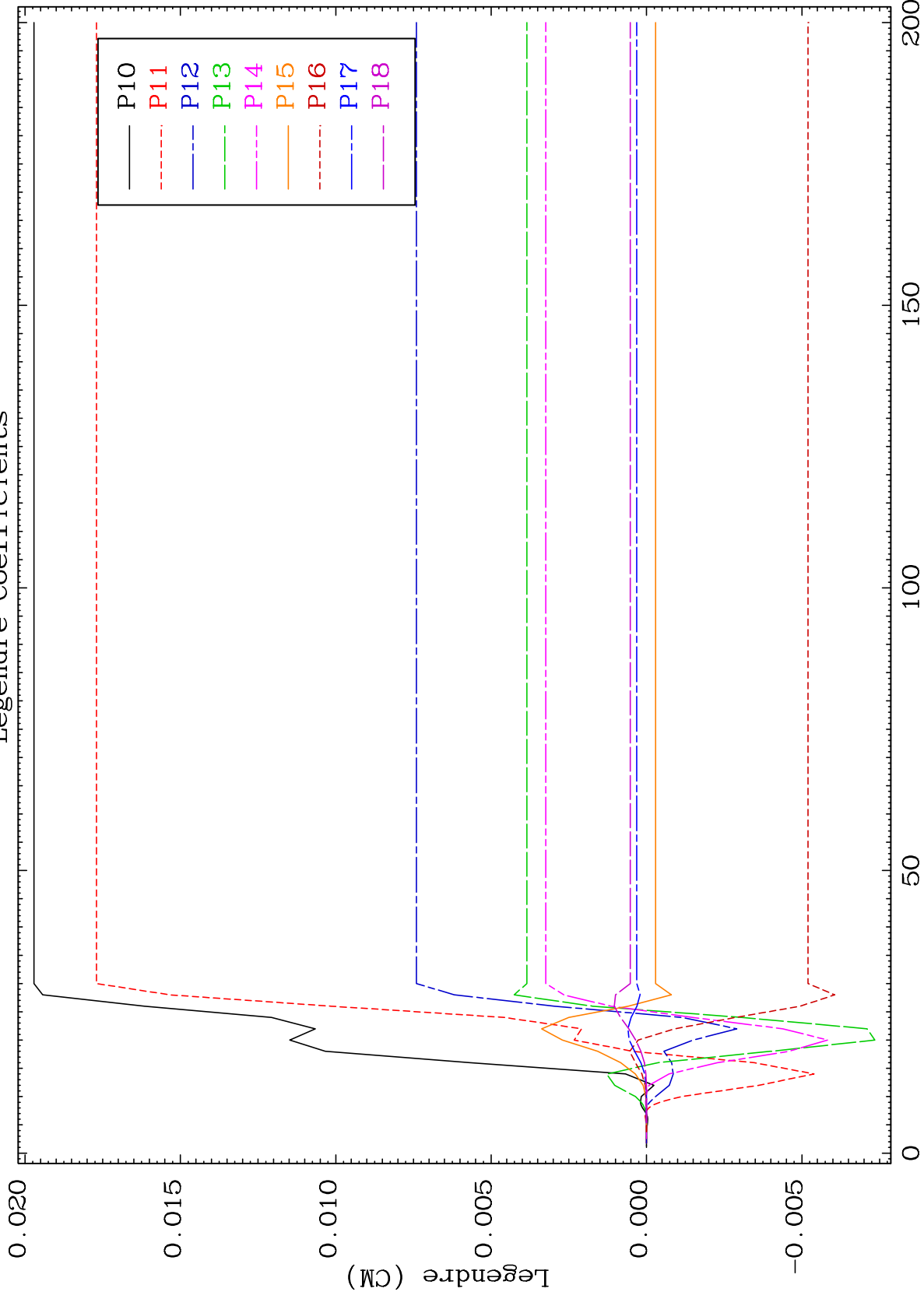


58-Ce-127

MAT 5798

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

58-Ce-127



61

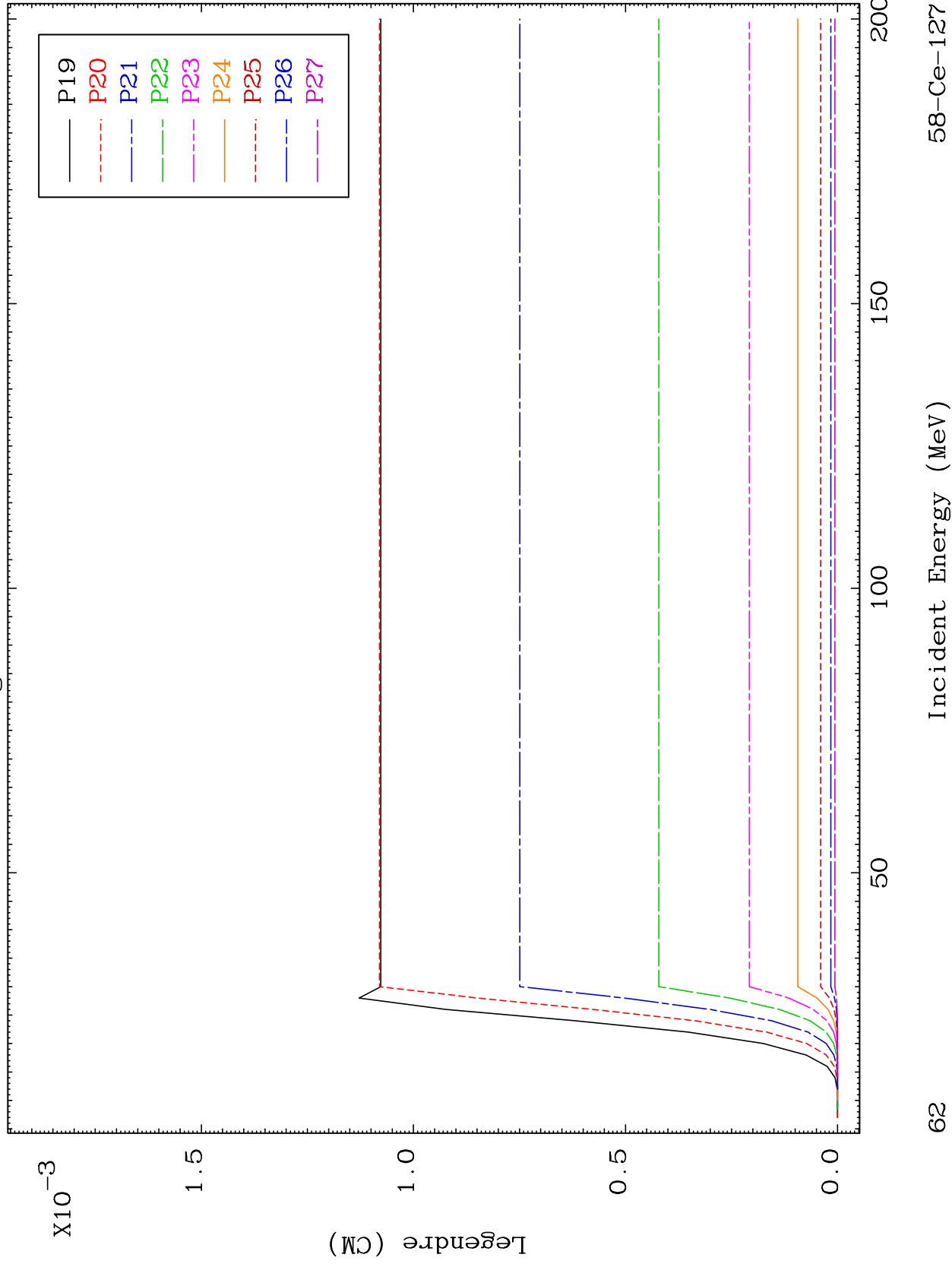
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

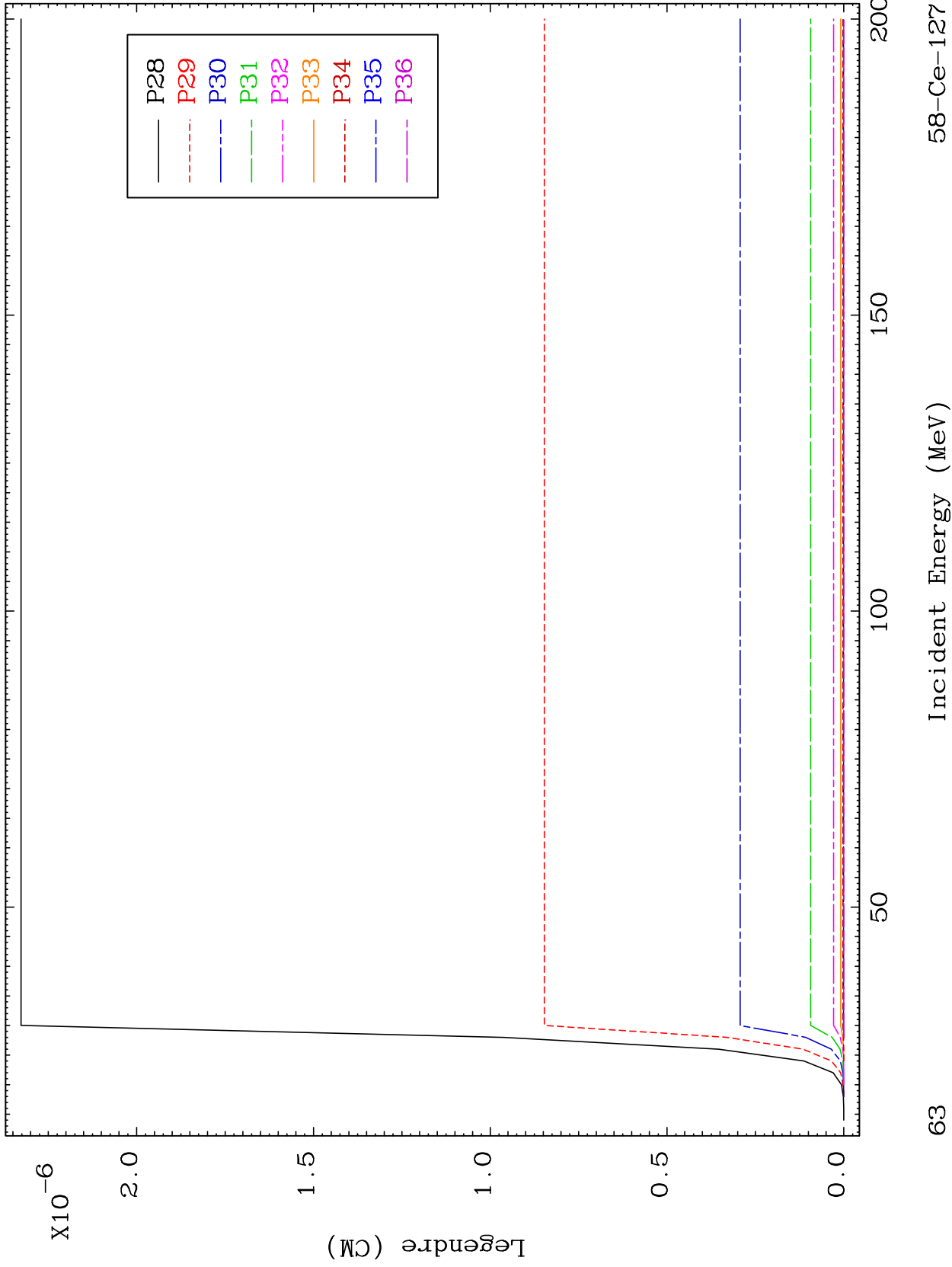
58-Ce-127



MAT 5798

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

58-Ce-127



63

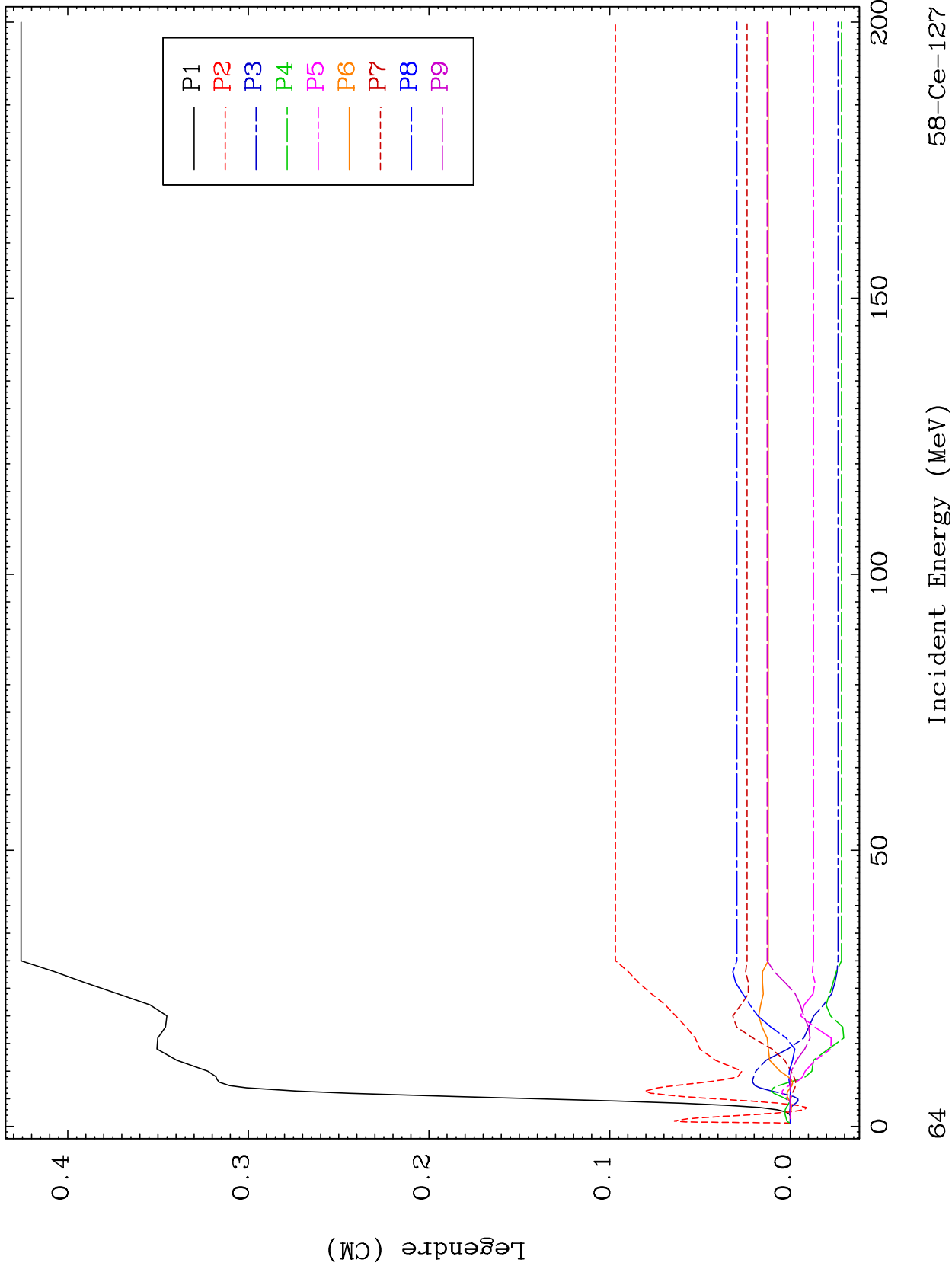
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



58-Ce-127

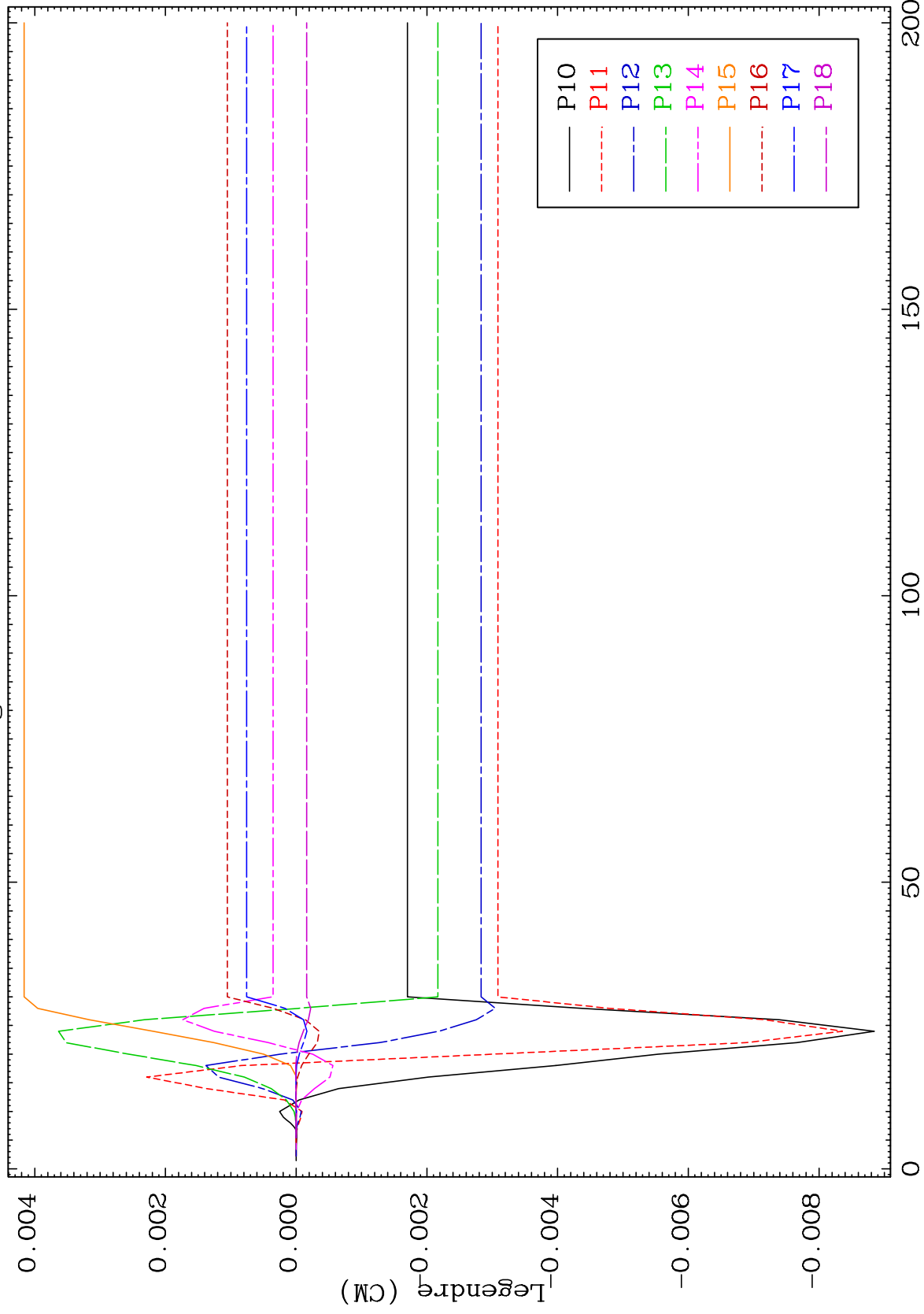
Incident Energy (MeV)

64

MAT 5798

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

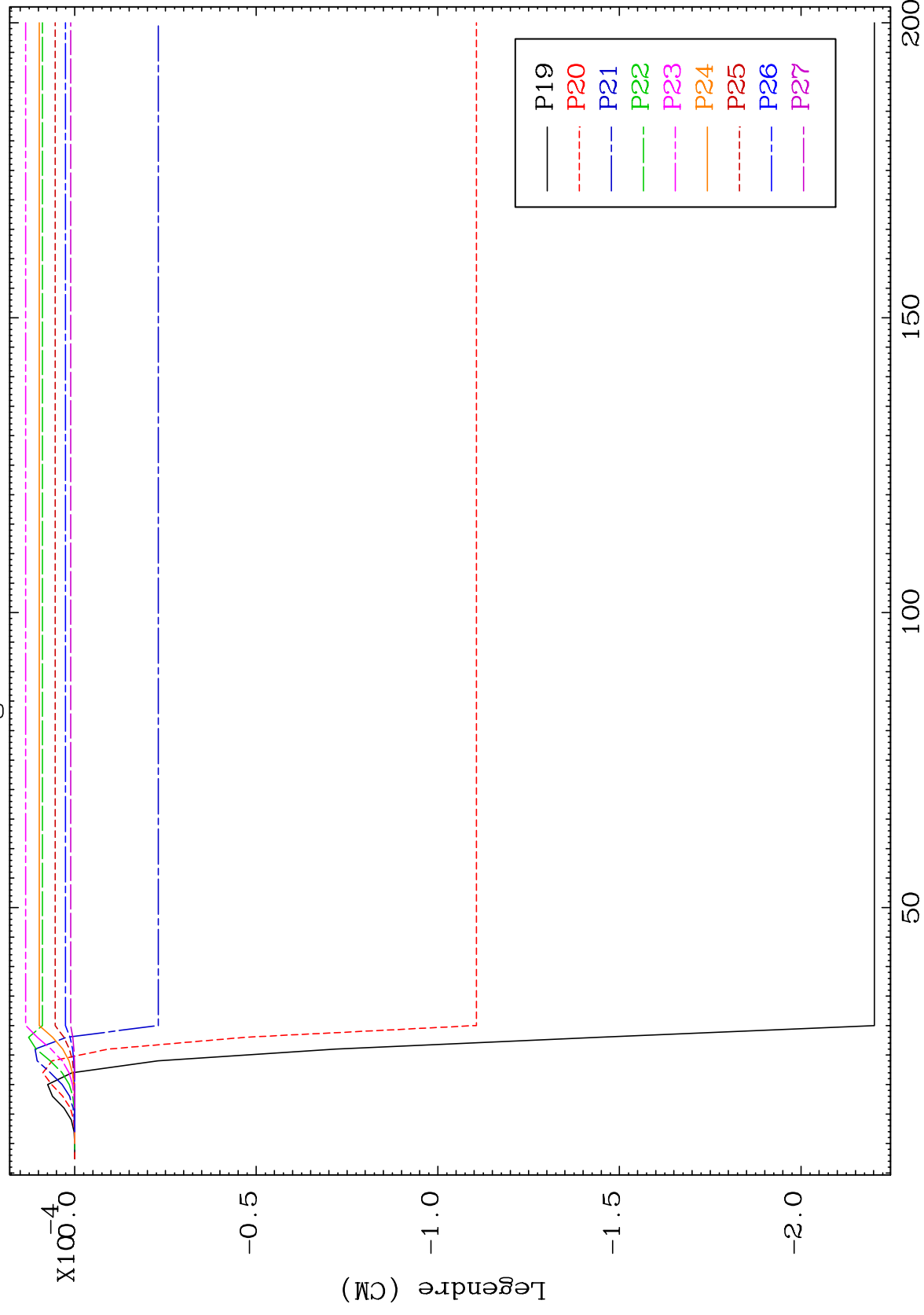
58-Ce-127



65

Incident Energy (MeV)

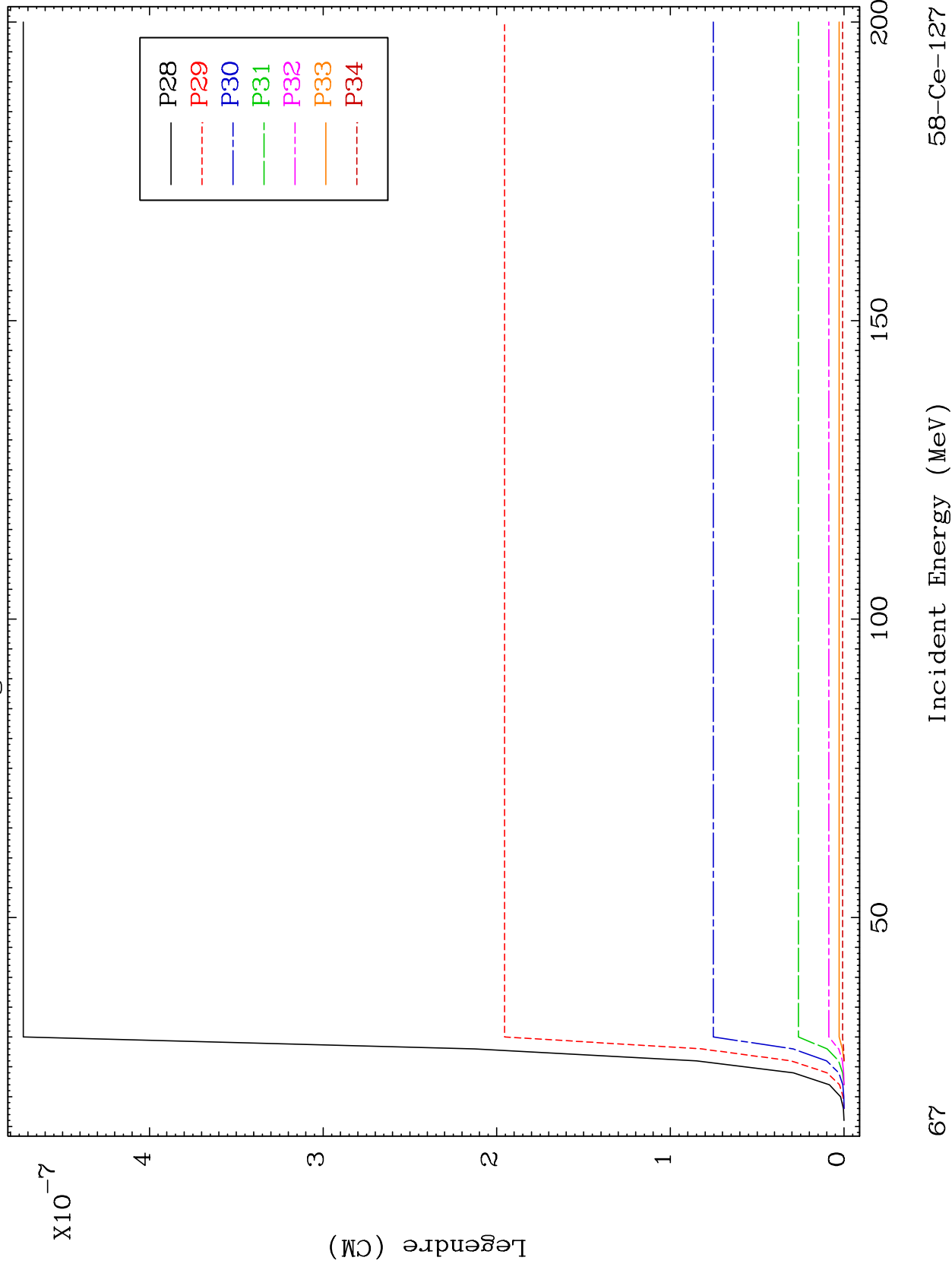
58-Ce-127



MAT 5798

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

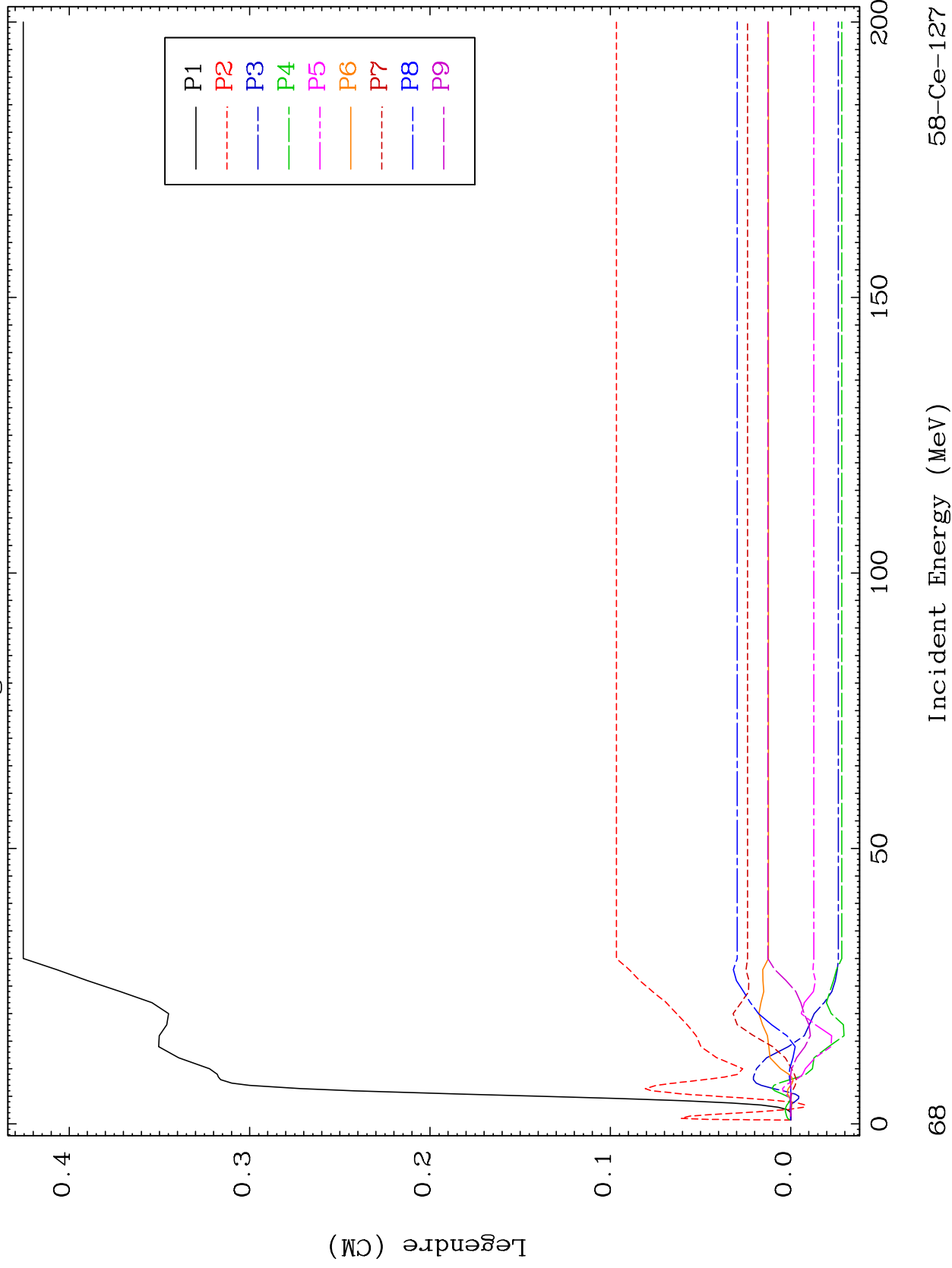
58-Ce-127



MAT 5798

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

58-Ce-127



58-Ce-127

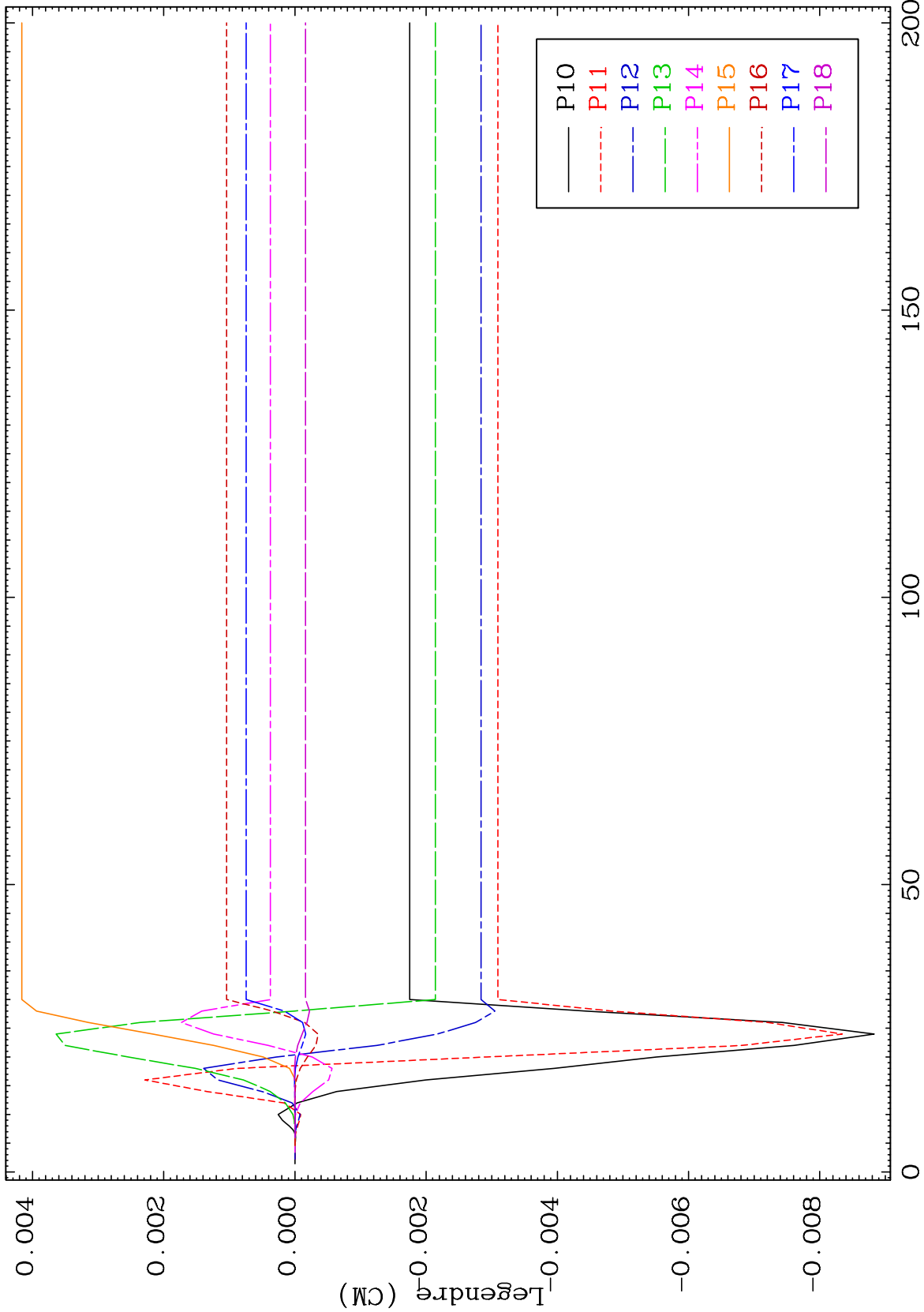
Incident Energy (MeV)

68

MAT 5798

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

58-Ce-127



69

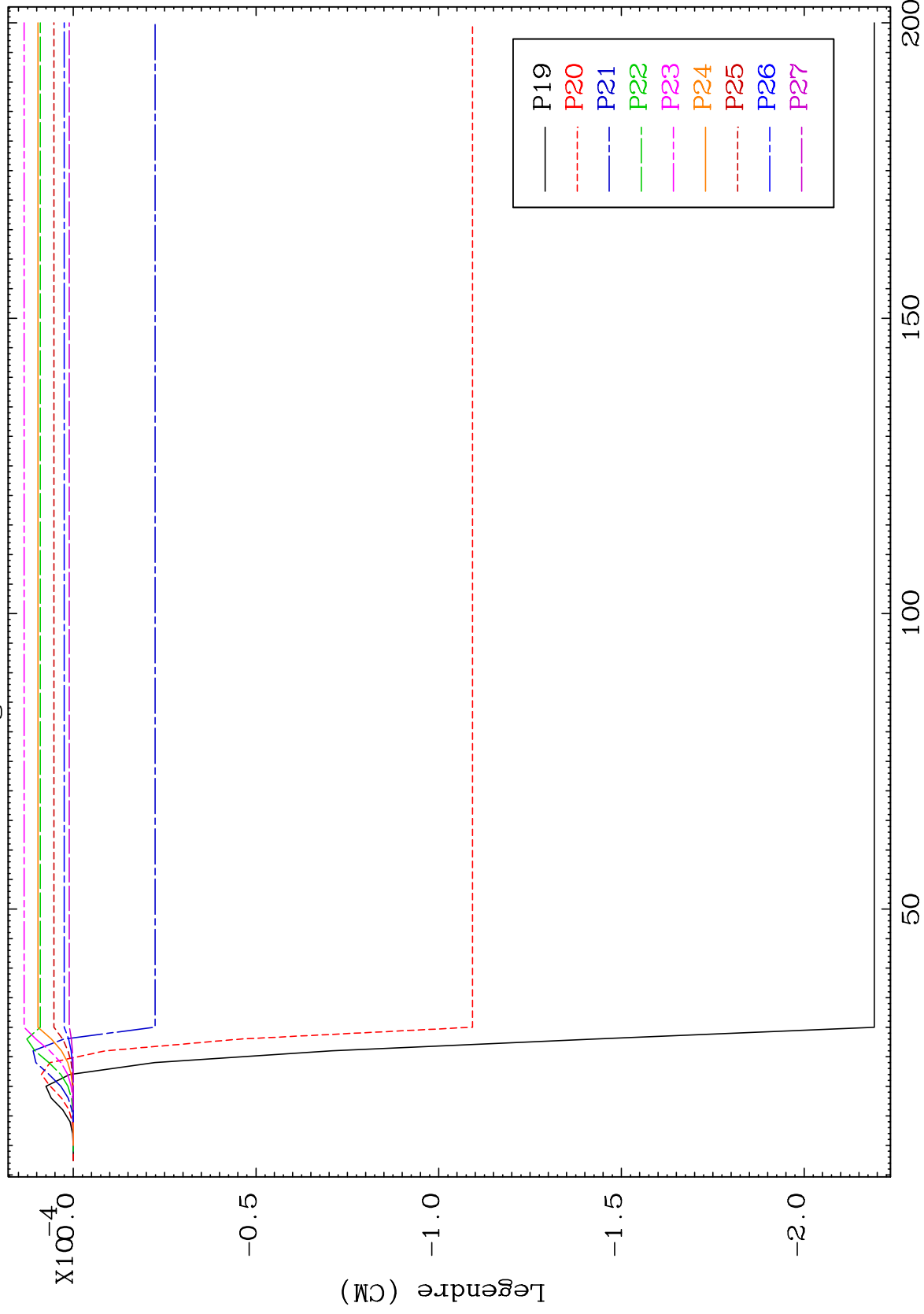
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



70

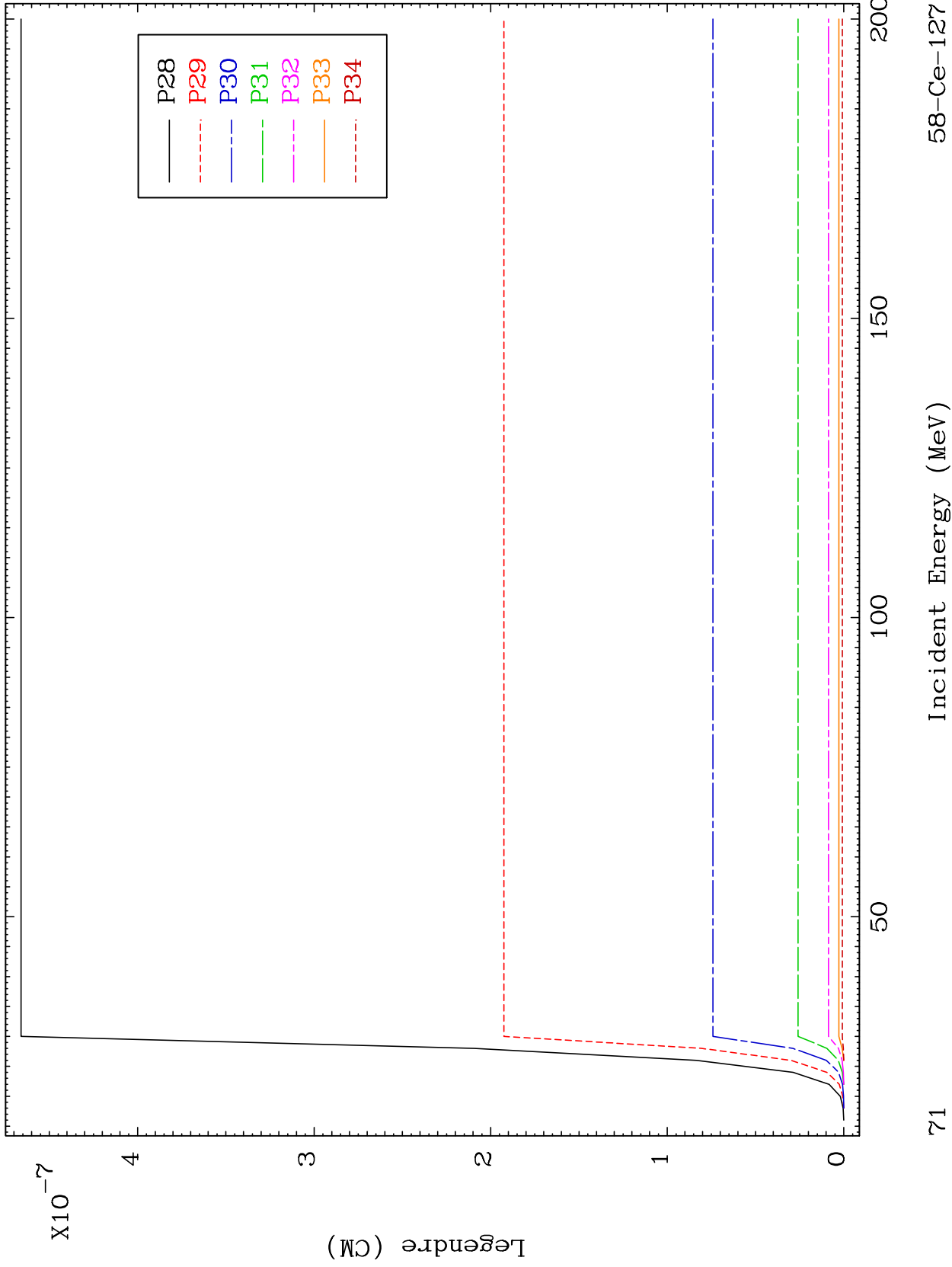
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

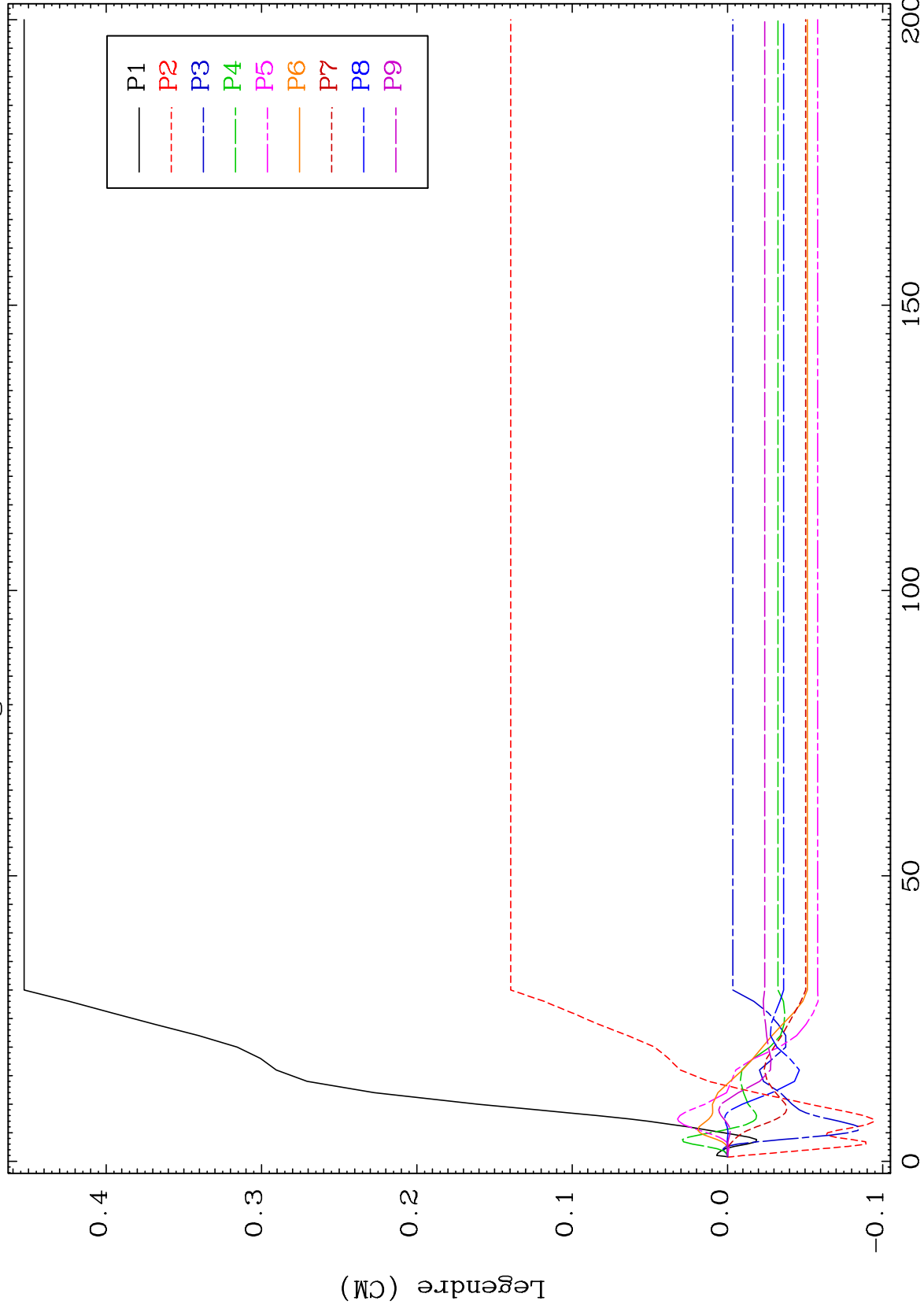
58-Ce-127



MAT 5798

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

58-Ce-127



72

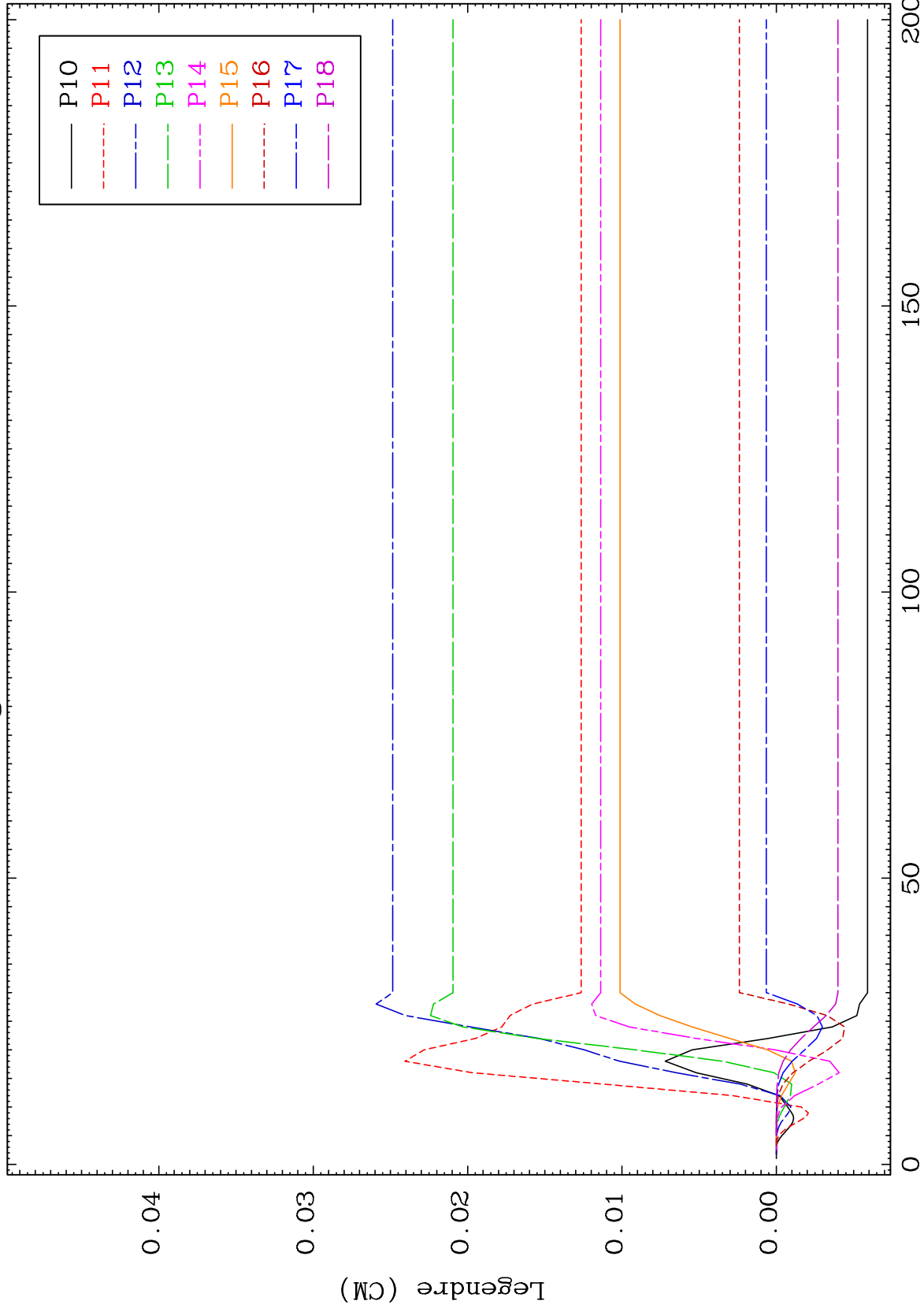
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



73

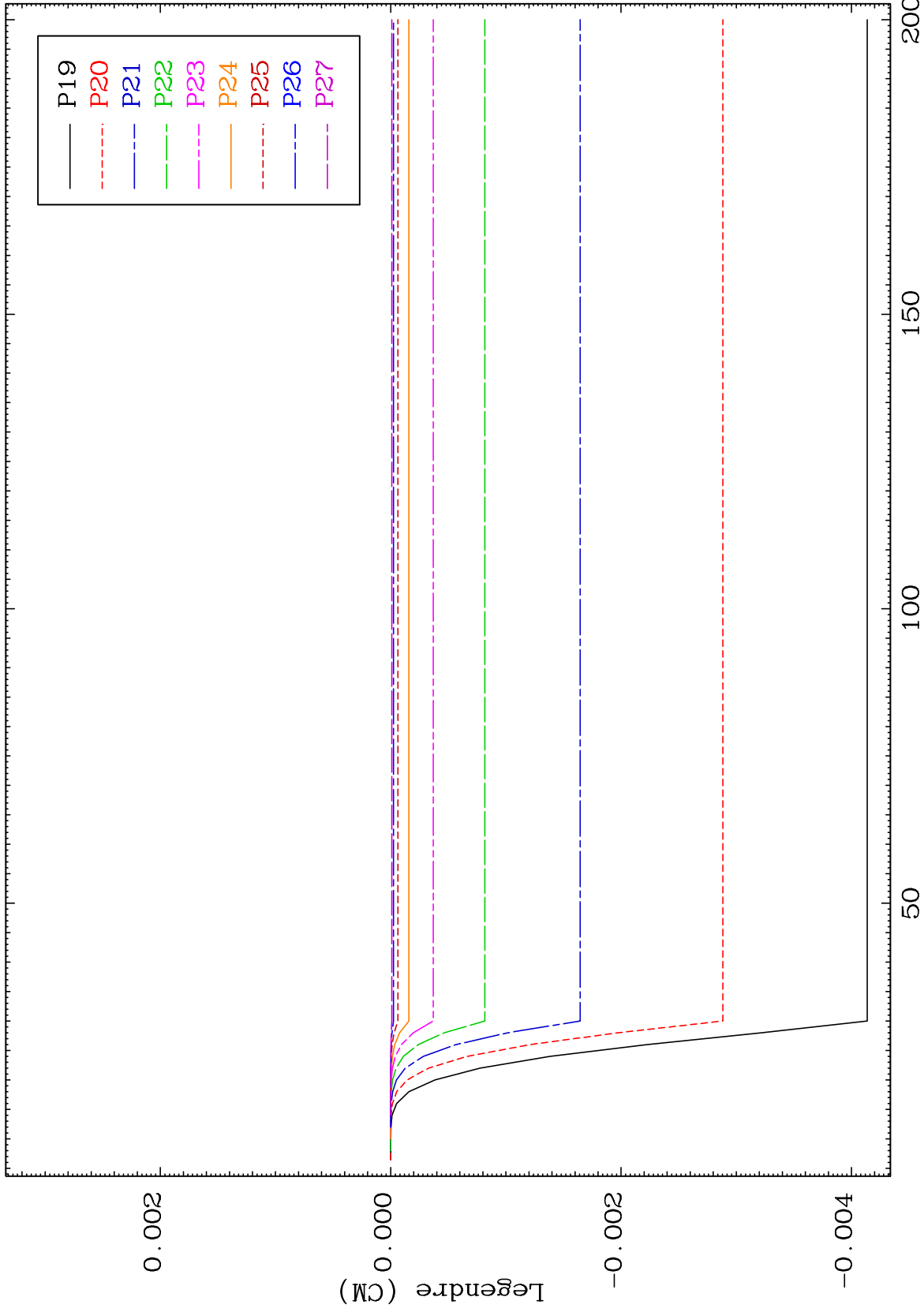
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

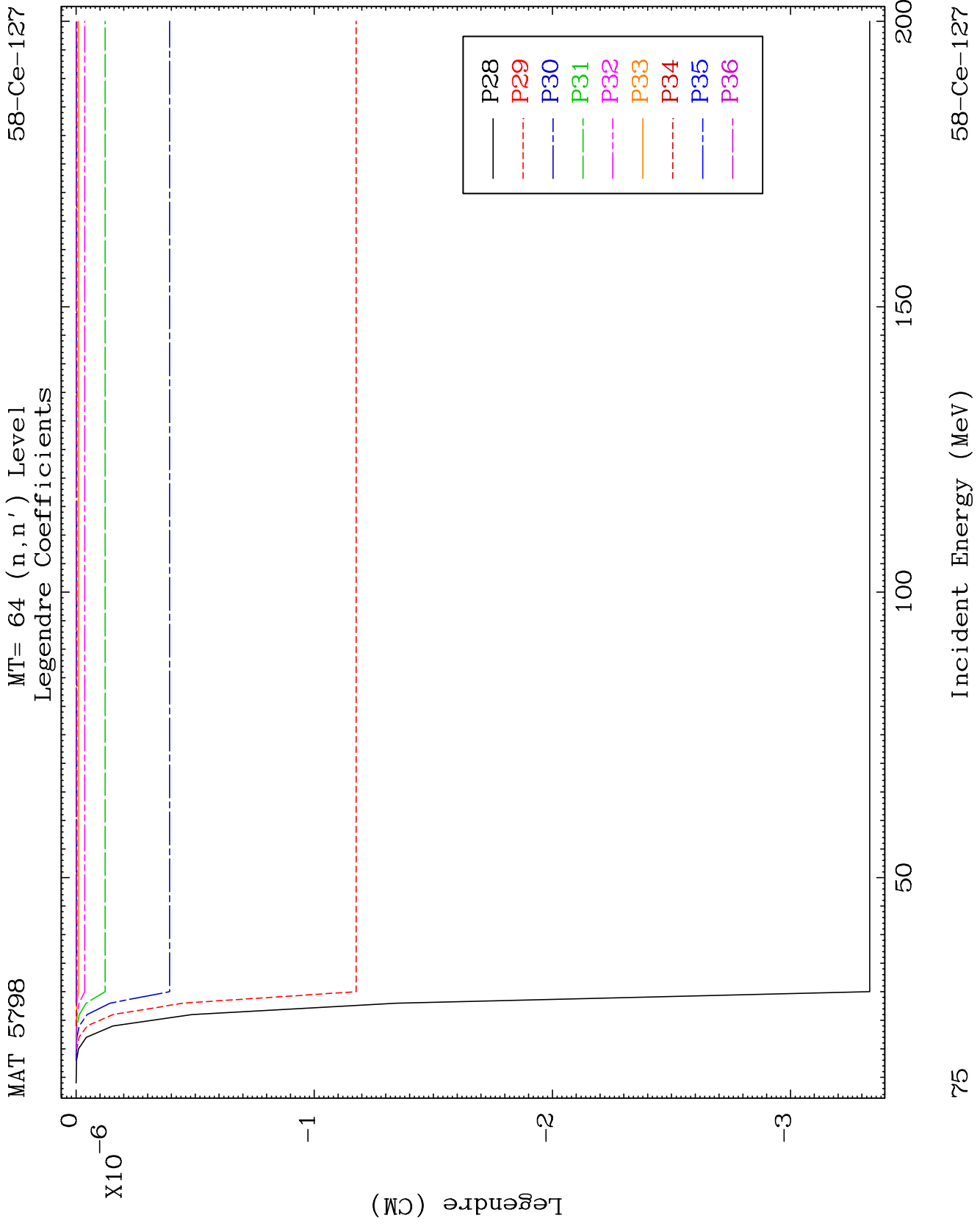
58-Ce-127



74

Incident Energy (MeV)

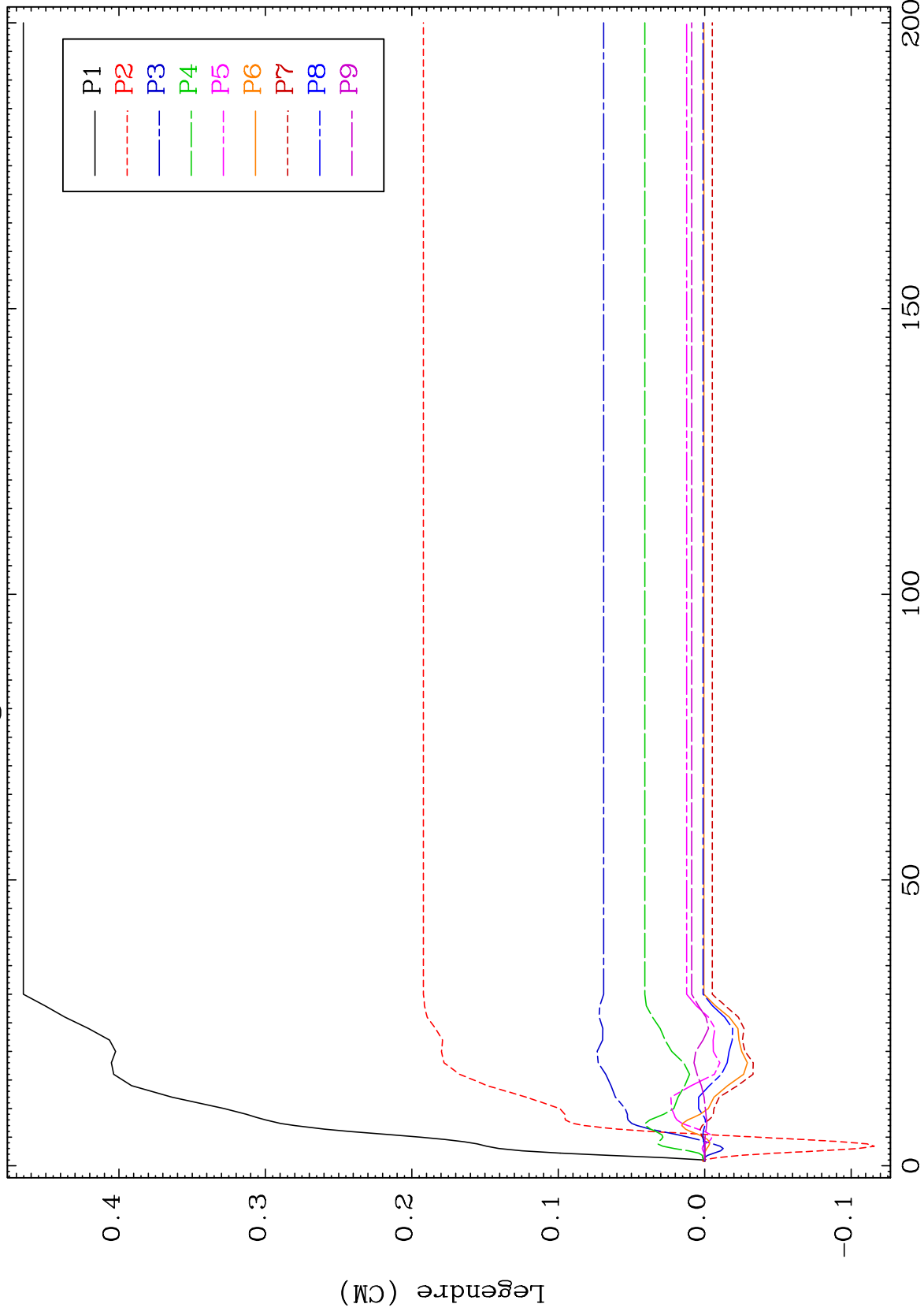
58-Ce-127



MAT 5798

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

58-Ce-127



58-Ce-127

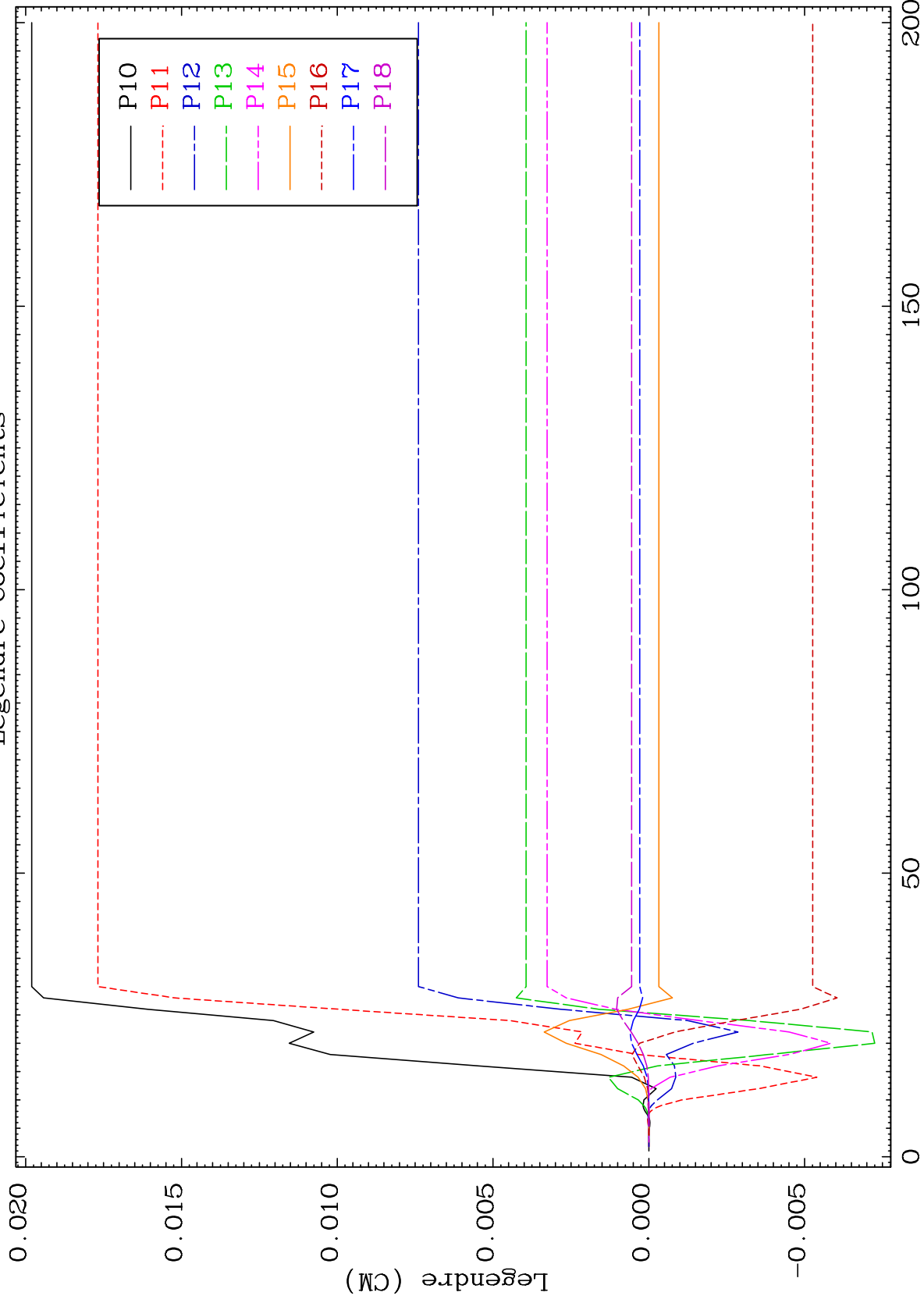
Incident Energy (MeV)

76

MAT 5798

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

58-Ce-127



77

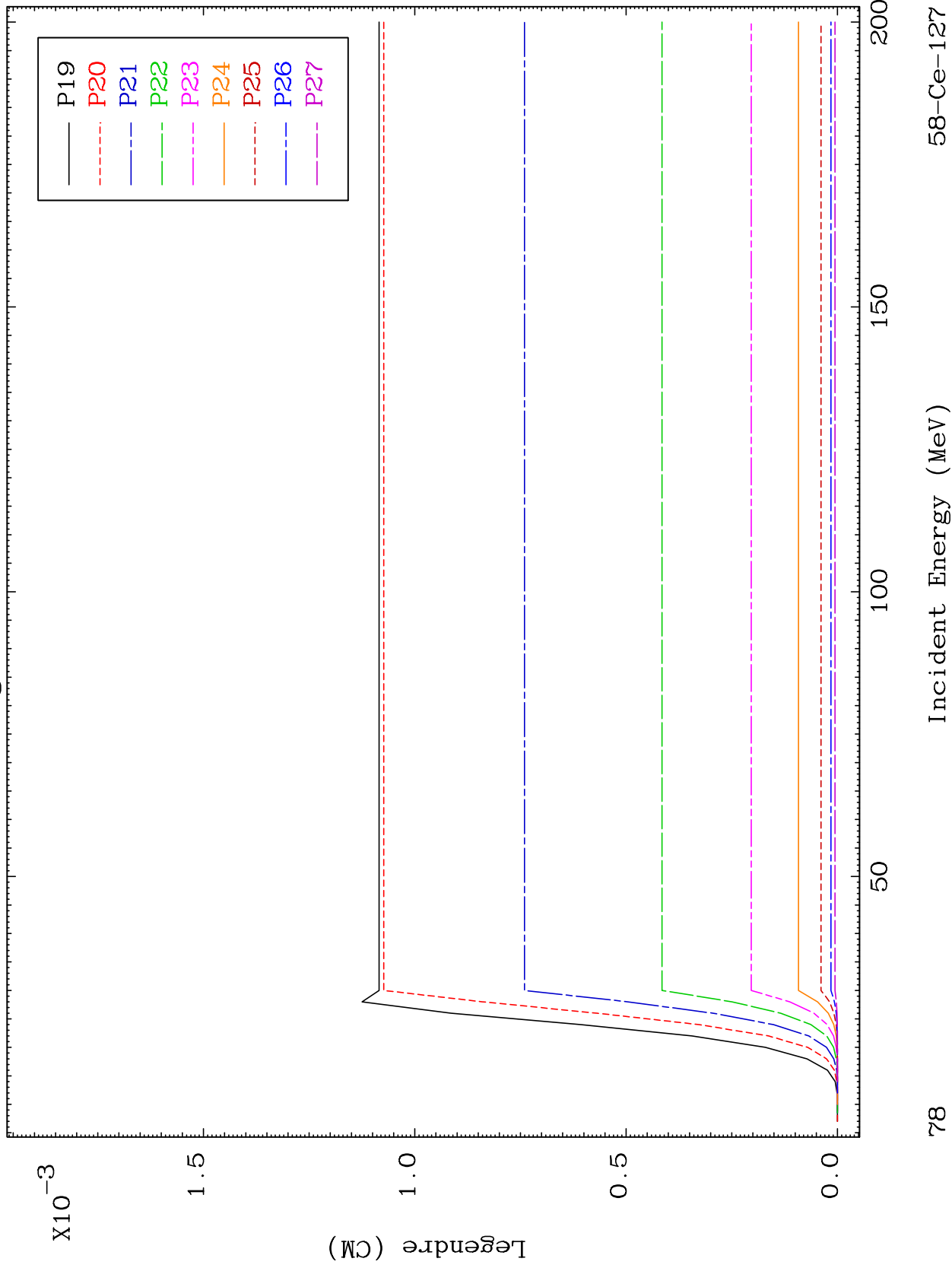
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

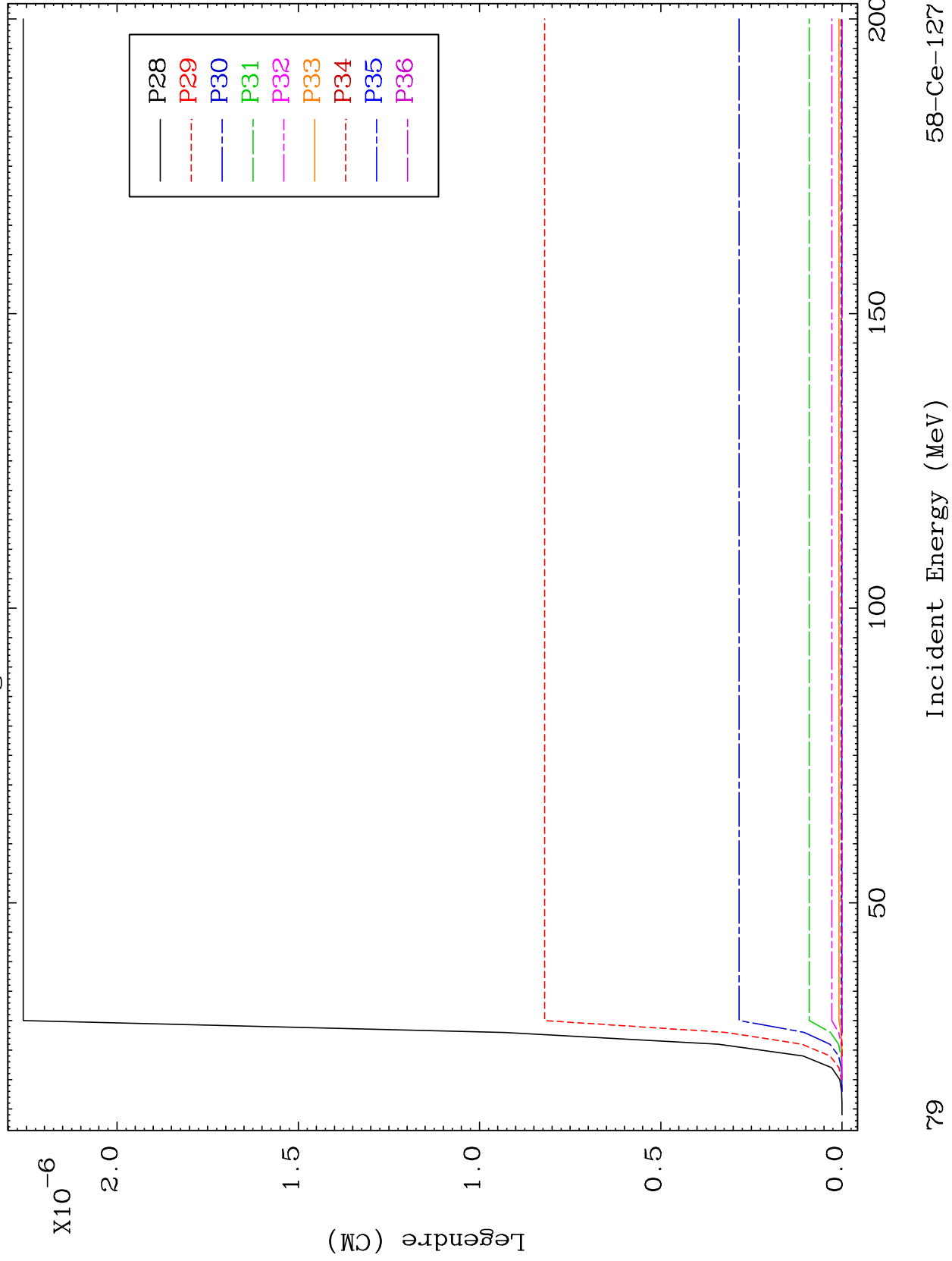
58-Ce-127



MAT 5798

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

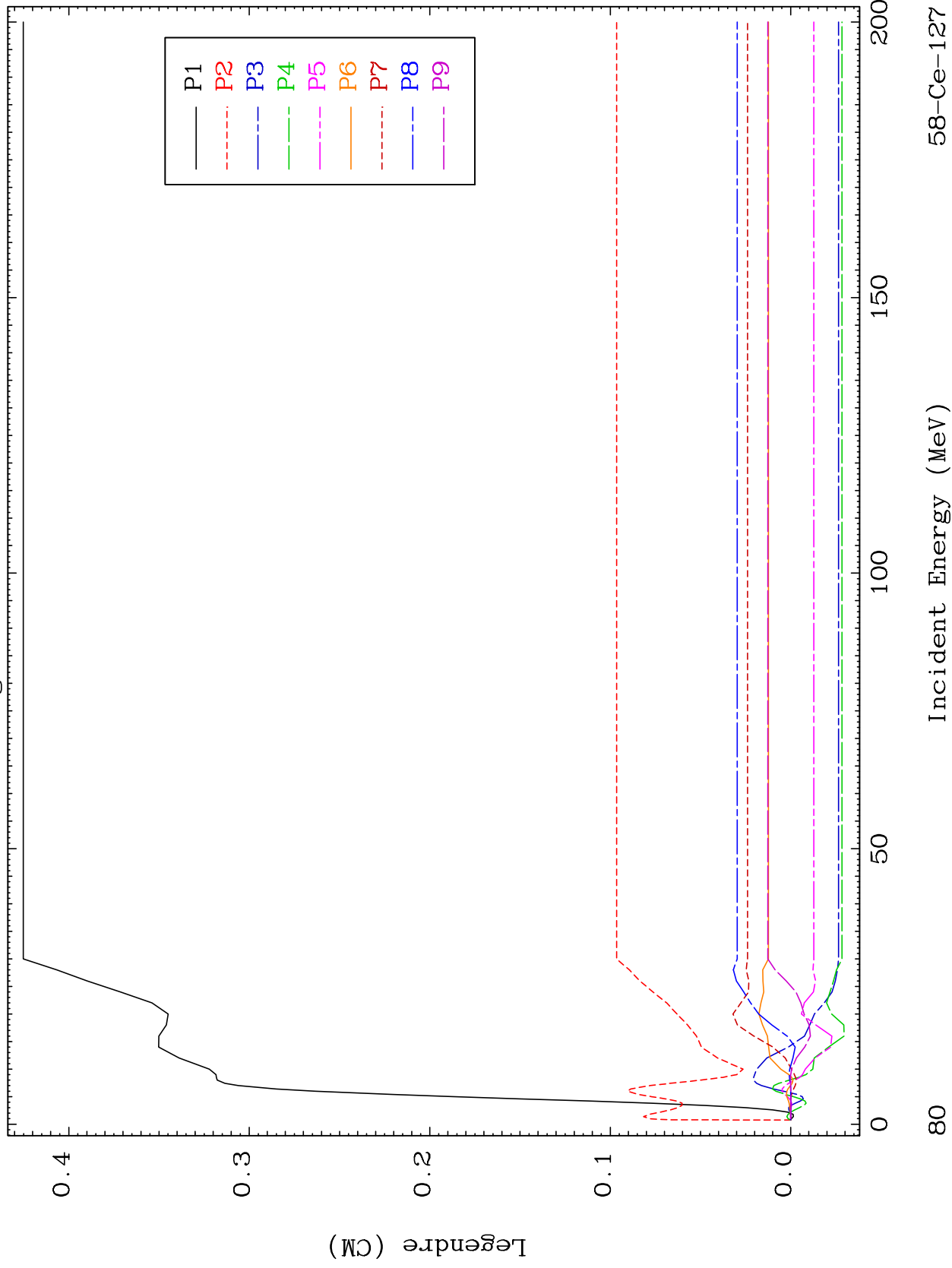
58-Ce-127



MAT 5798

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

58-Ce-127



58-Ce-127

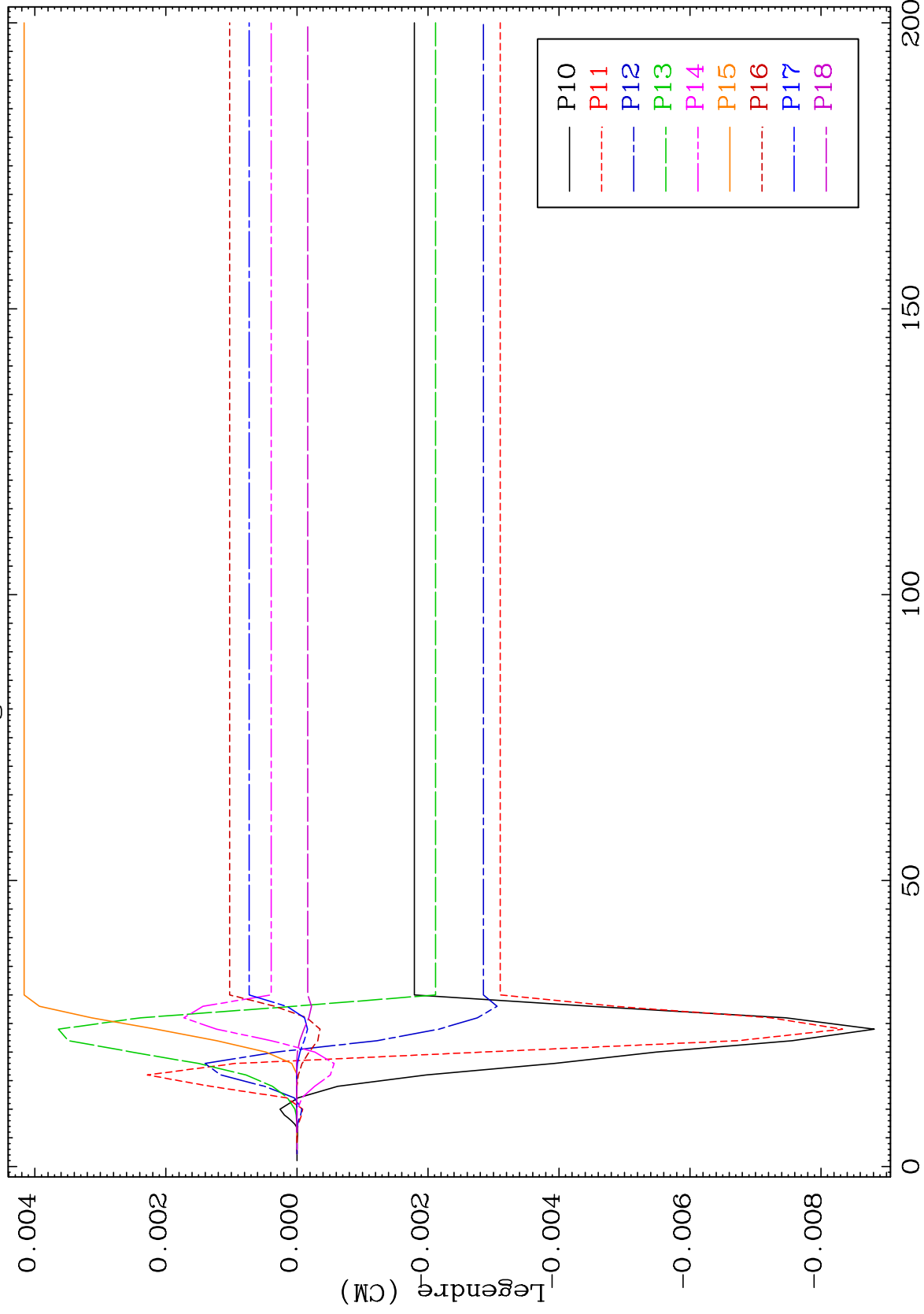
Incident Energy (MeV)

80

MAT 5798

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

58-Ce-127



81

Incident Energy (MeV)

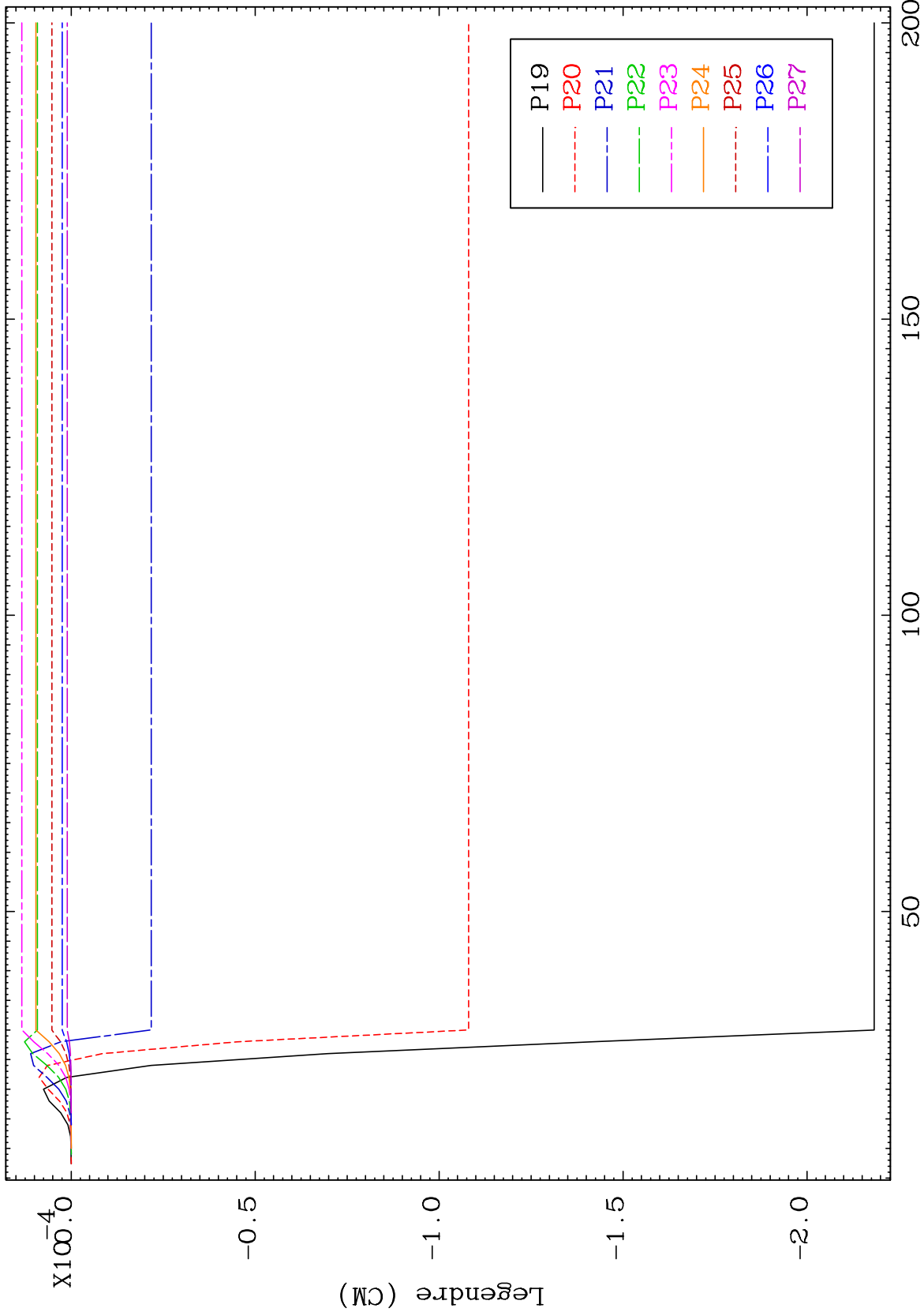
58-Ce-127

MAT 5798

MT= 66 (n,n') Level

58-Ce-127

Legendre Coefficients



82

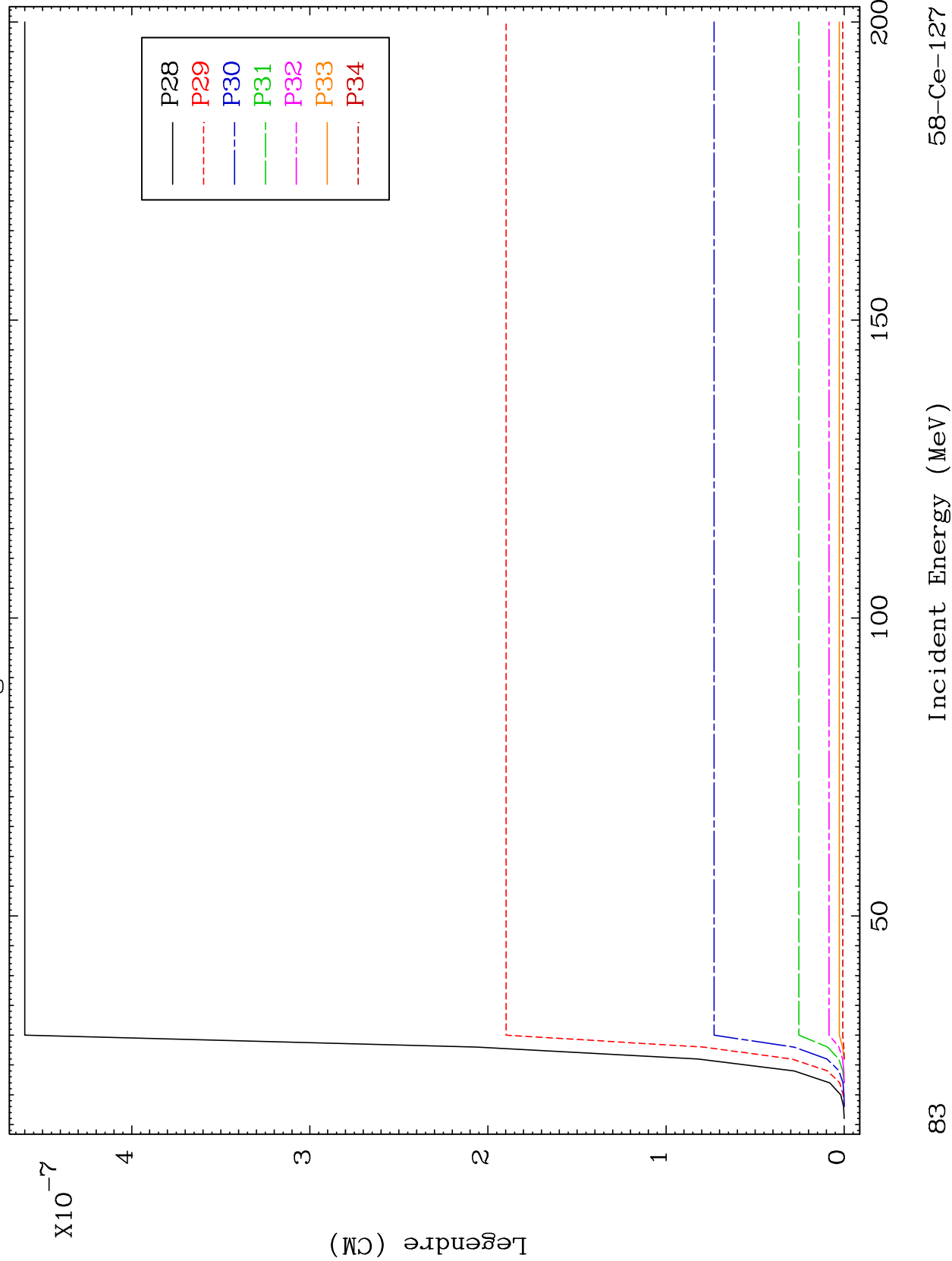
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



83

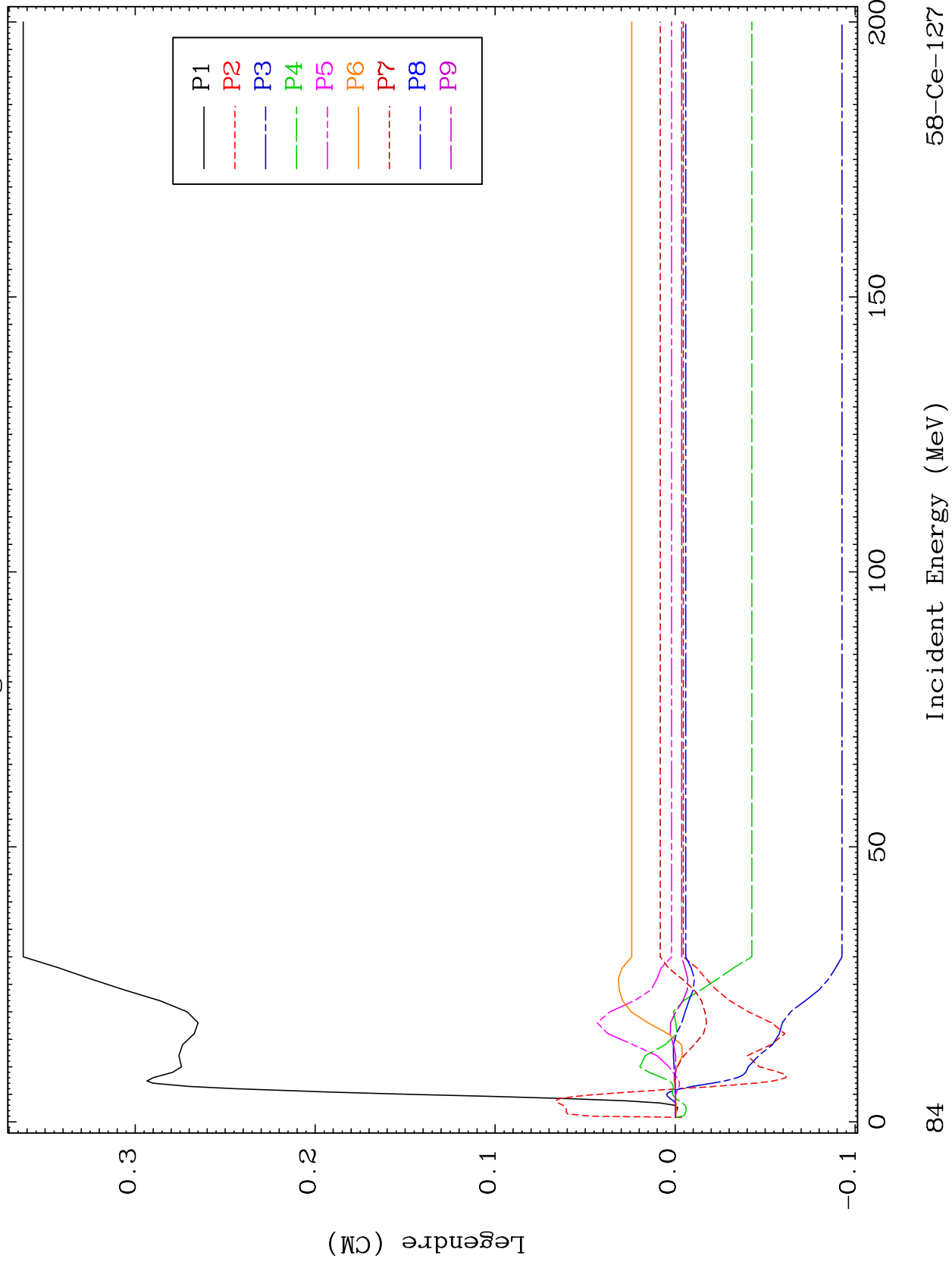
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



84

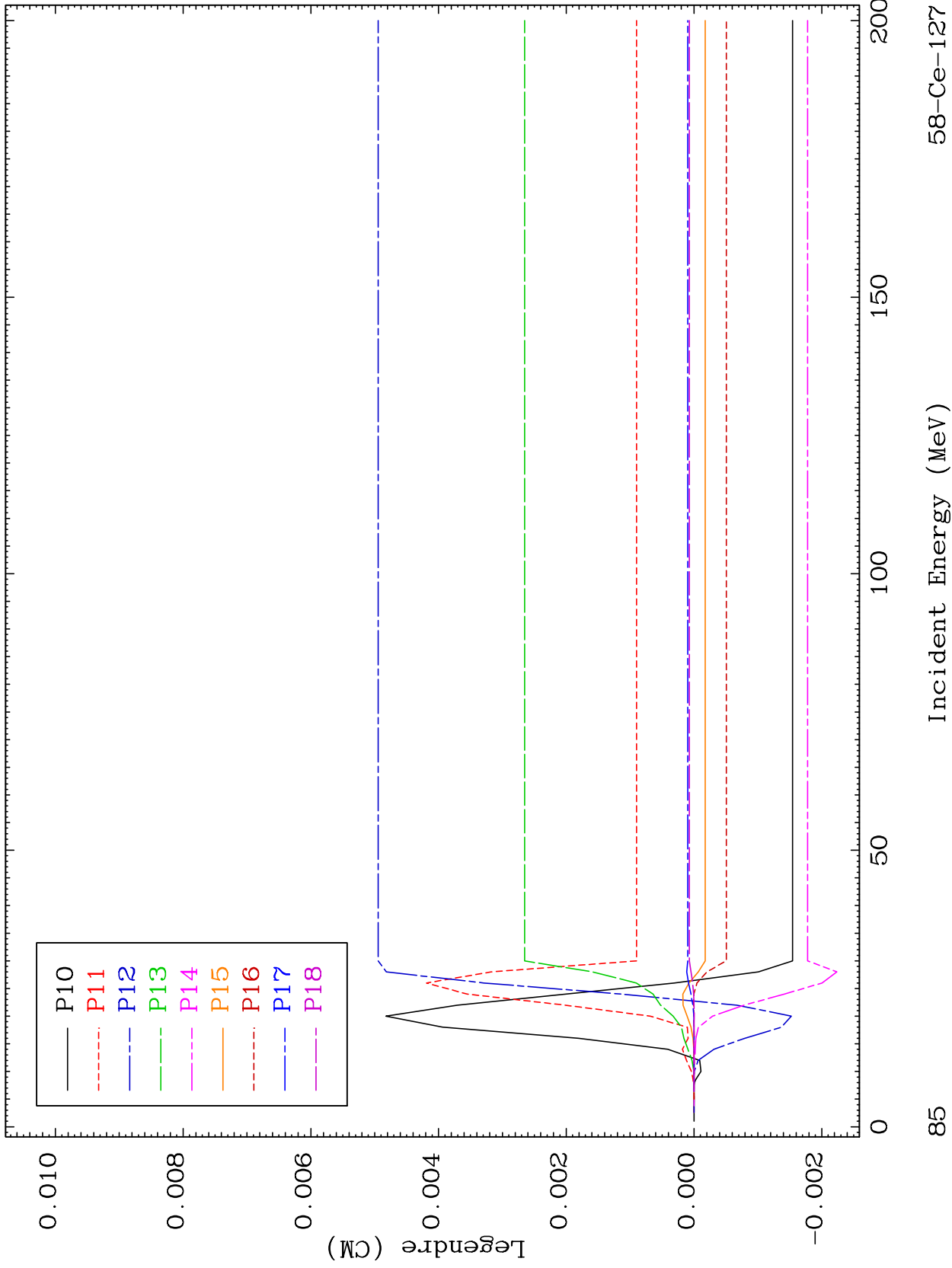
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



85

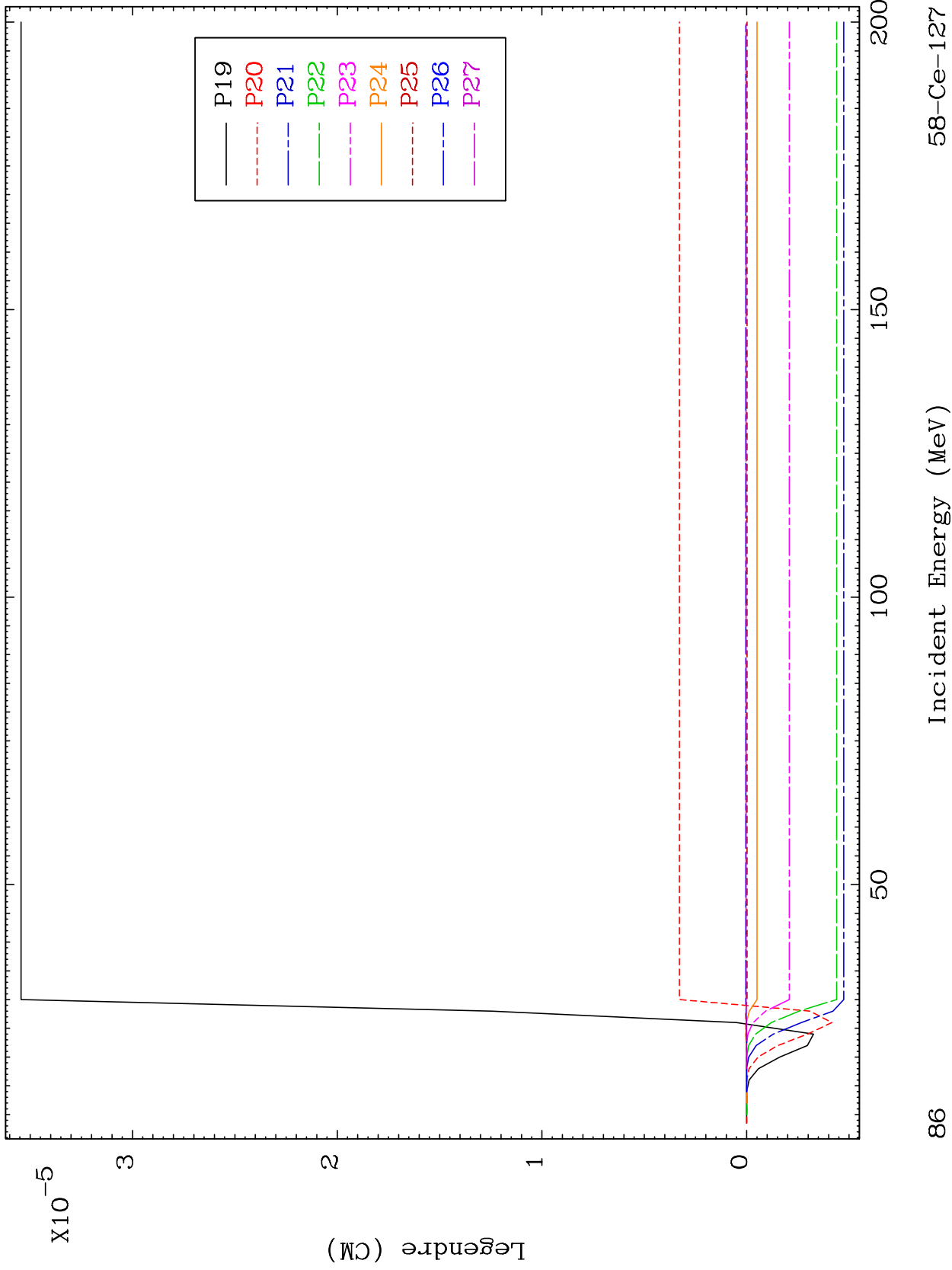
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



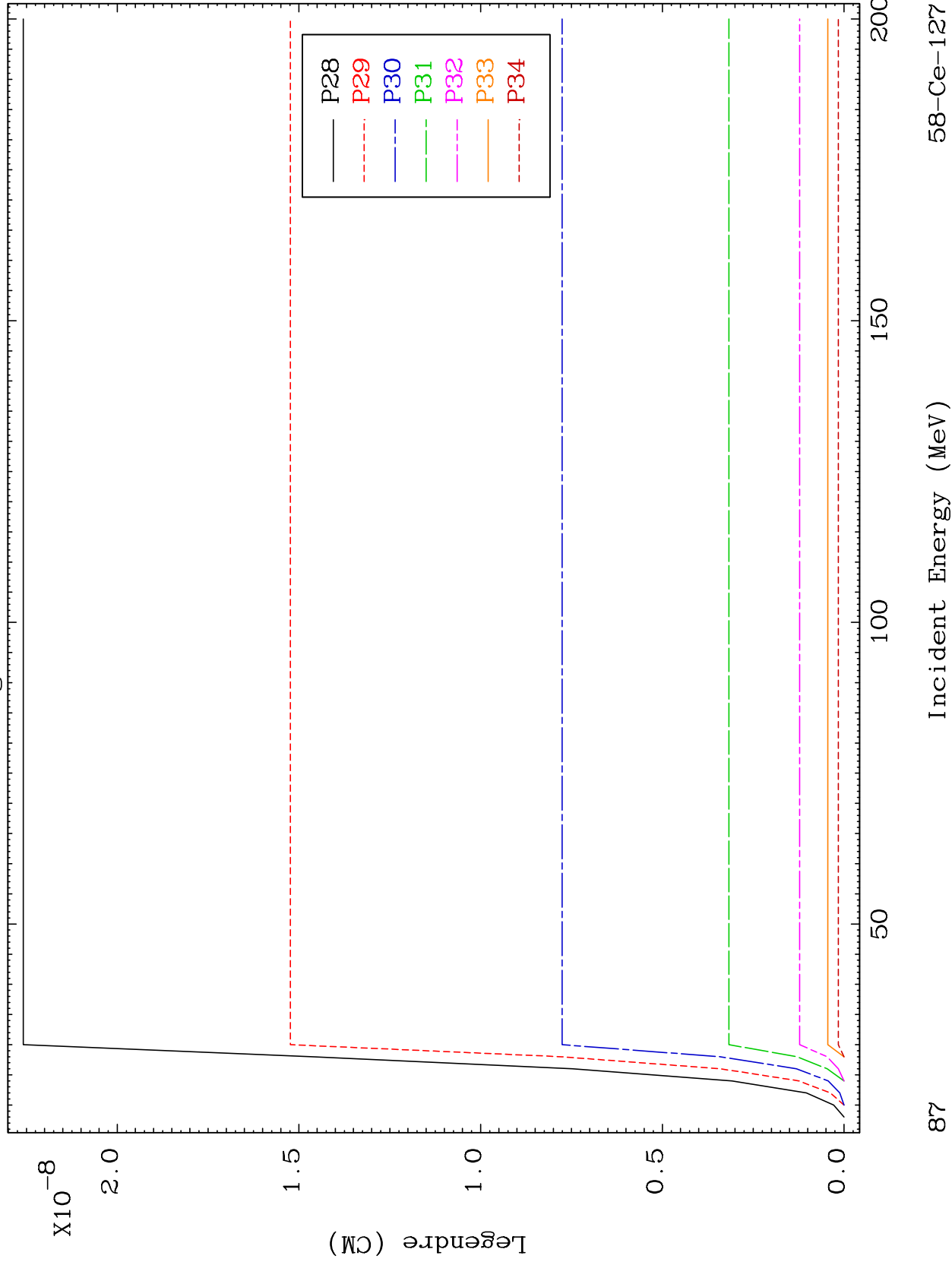
86

58-Ce-127

MAT 5798

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

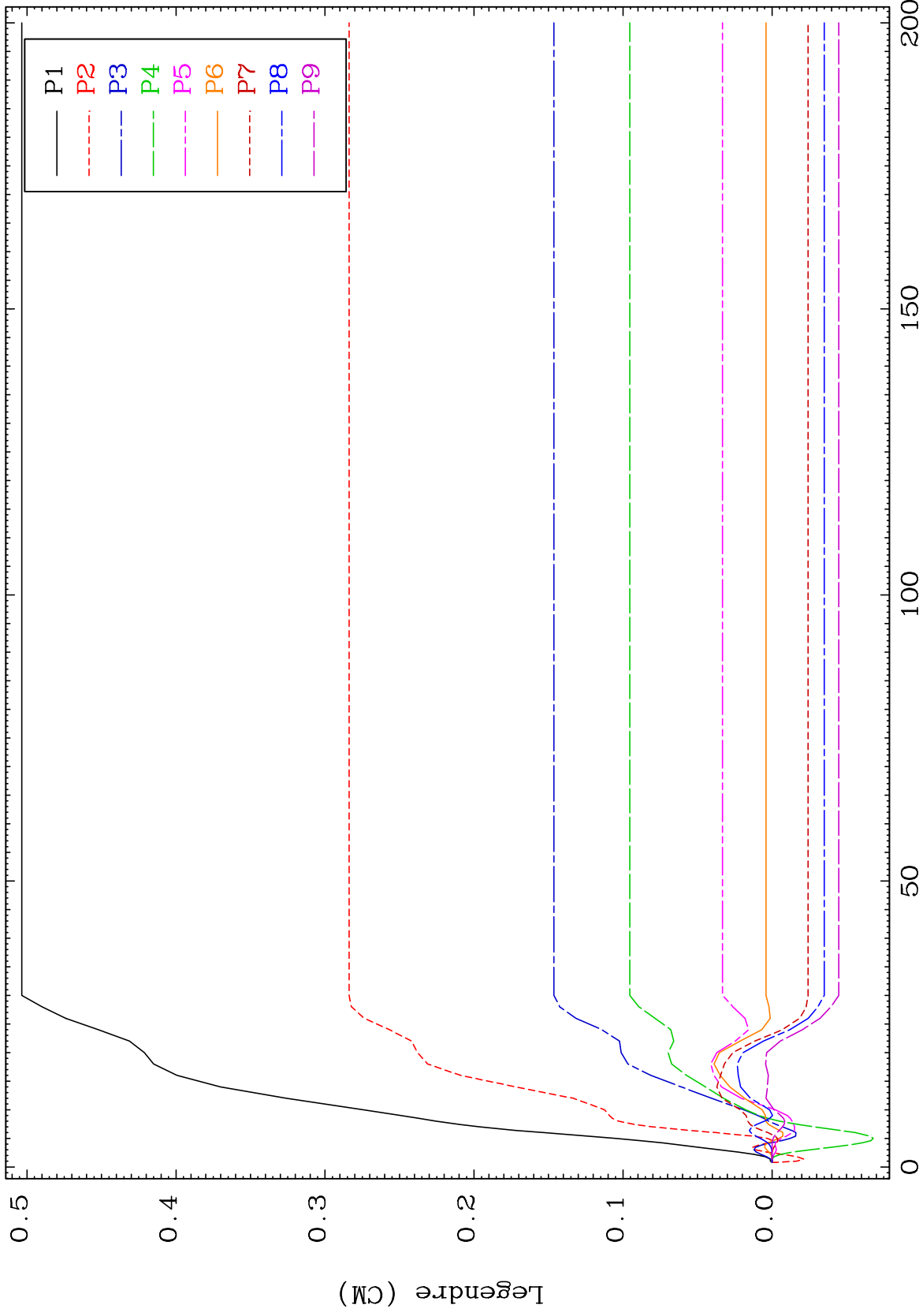
58-Ce-127



MAT 5798

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

58-Ce-127



88

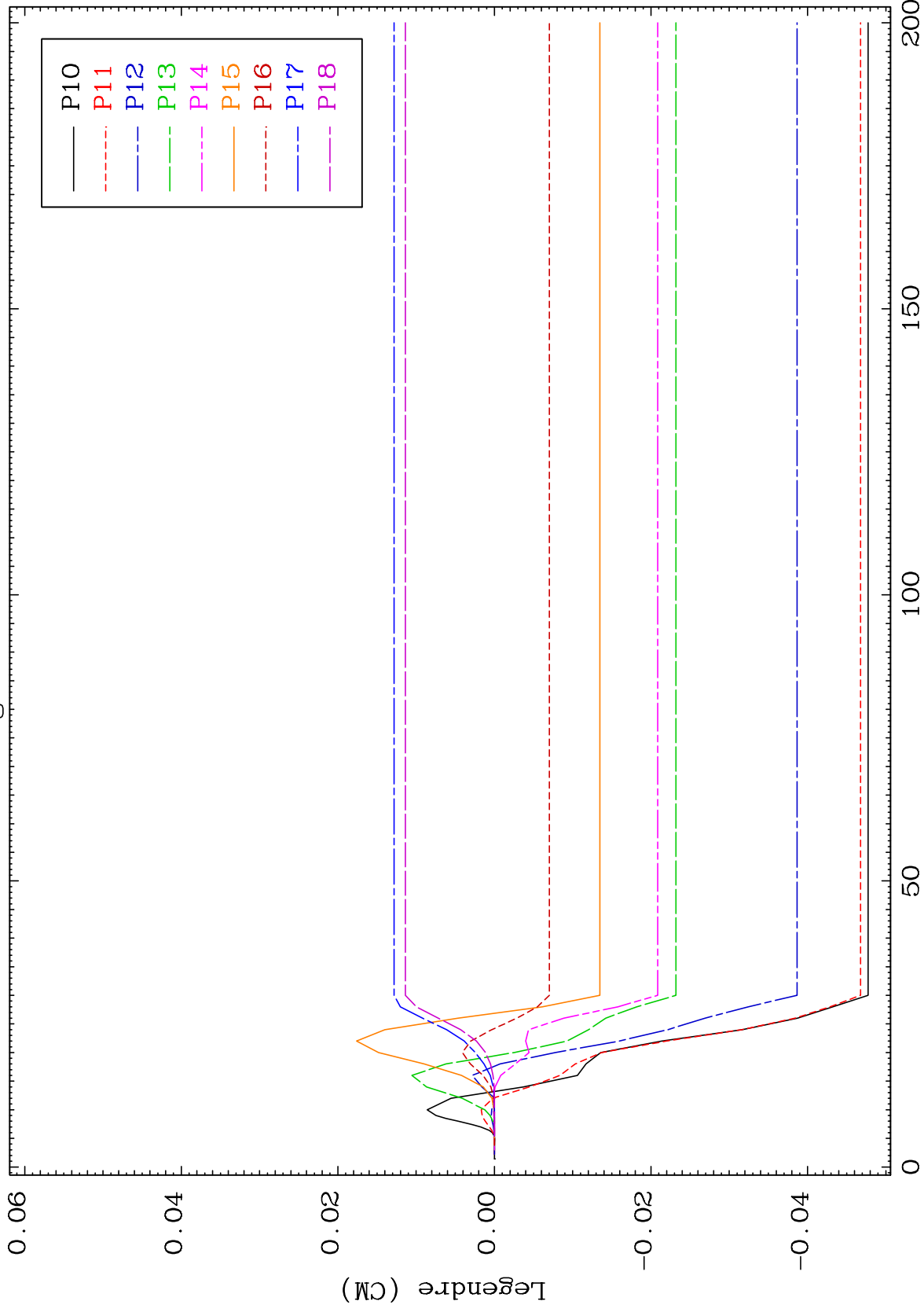
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



89

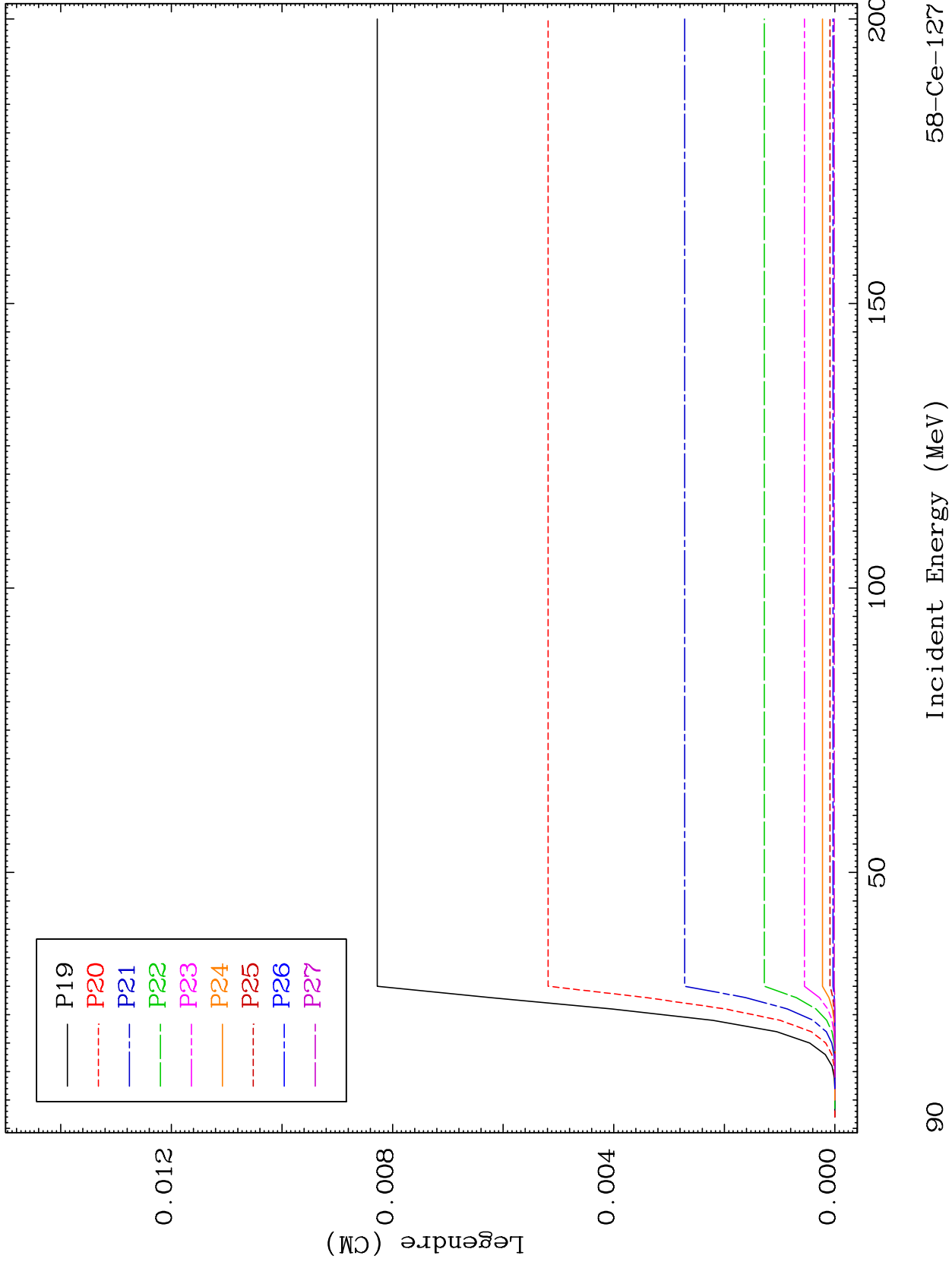
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



58-Ce-127

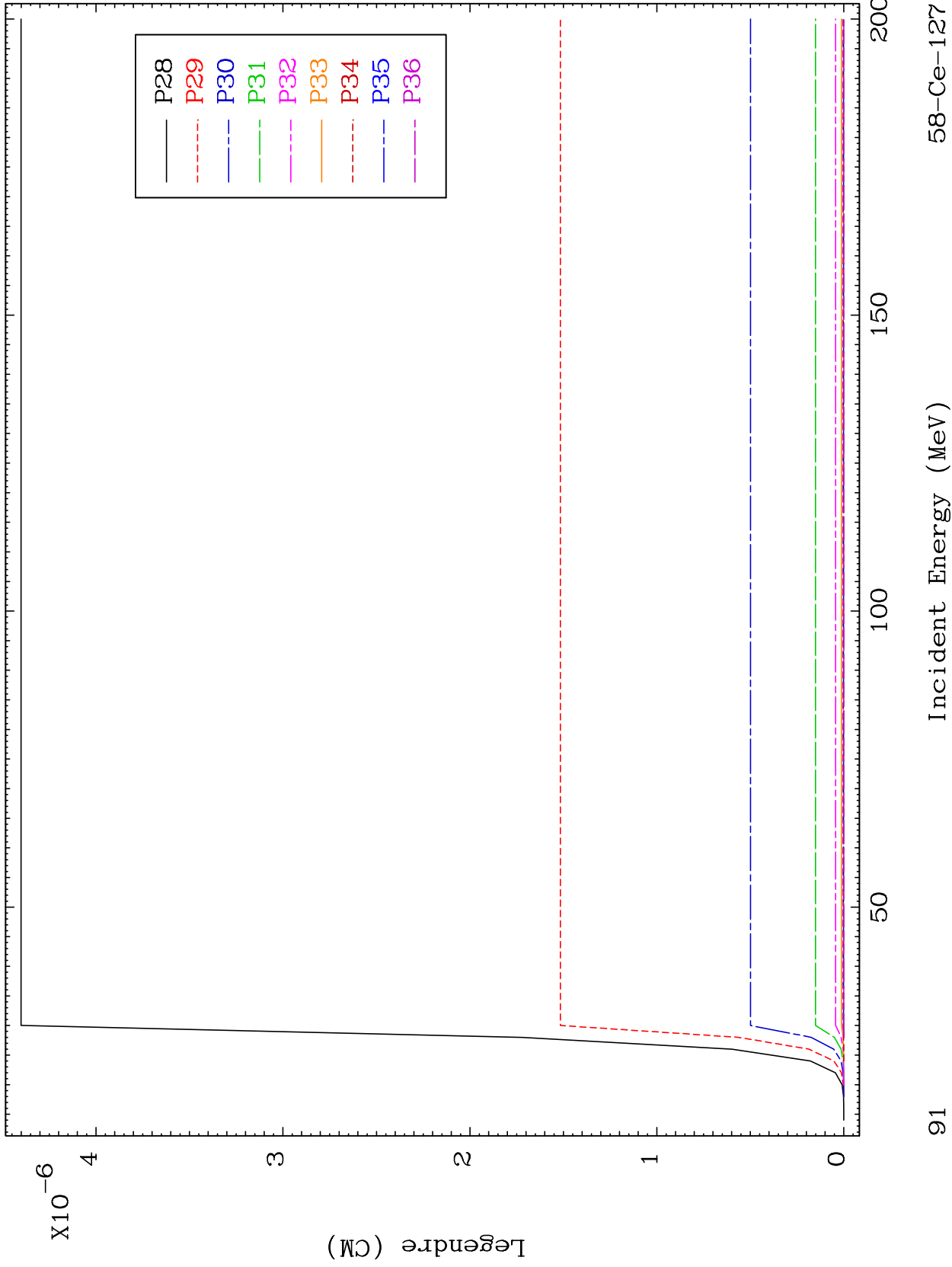
Incident Energy (MeV)

90

MAT 5798

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

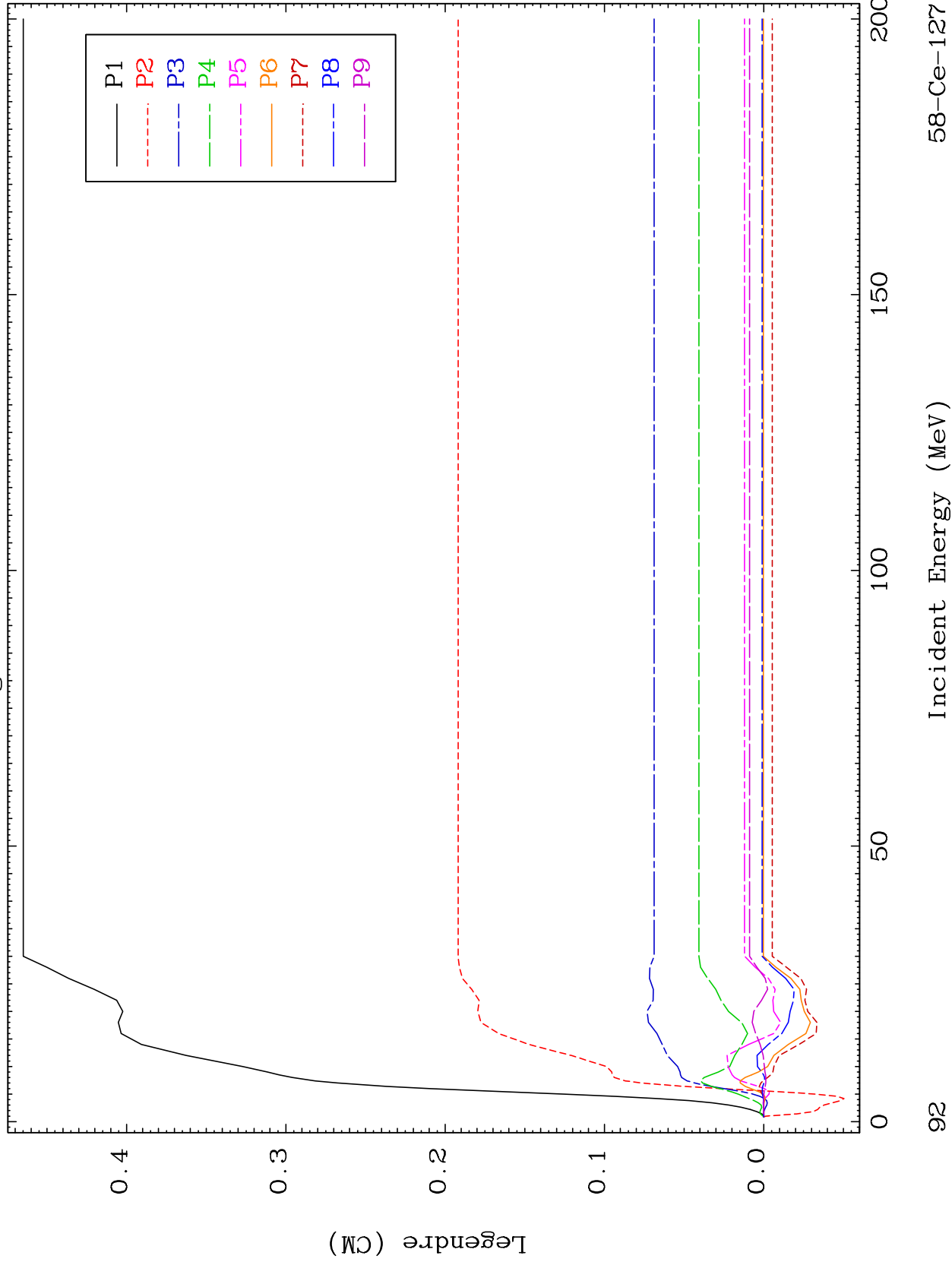
58-Ce-127



MAT 5798

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

58-Ce-127



58-Ce-127

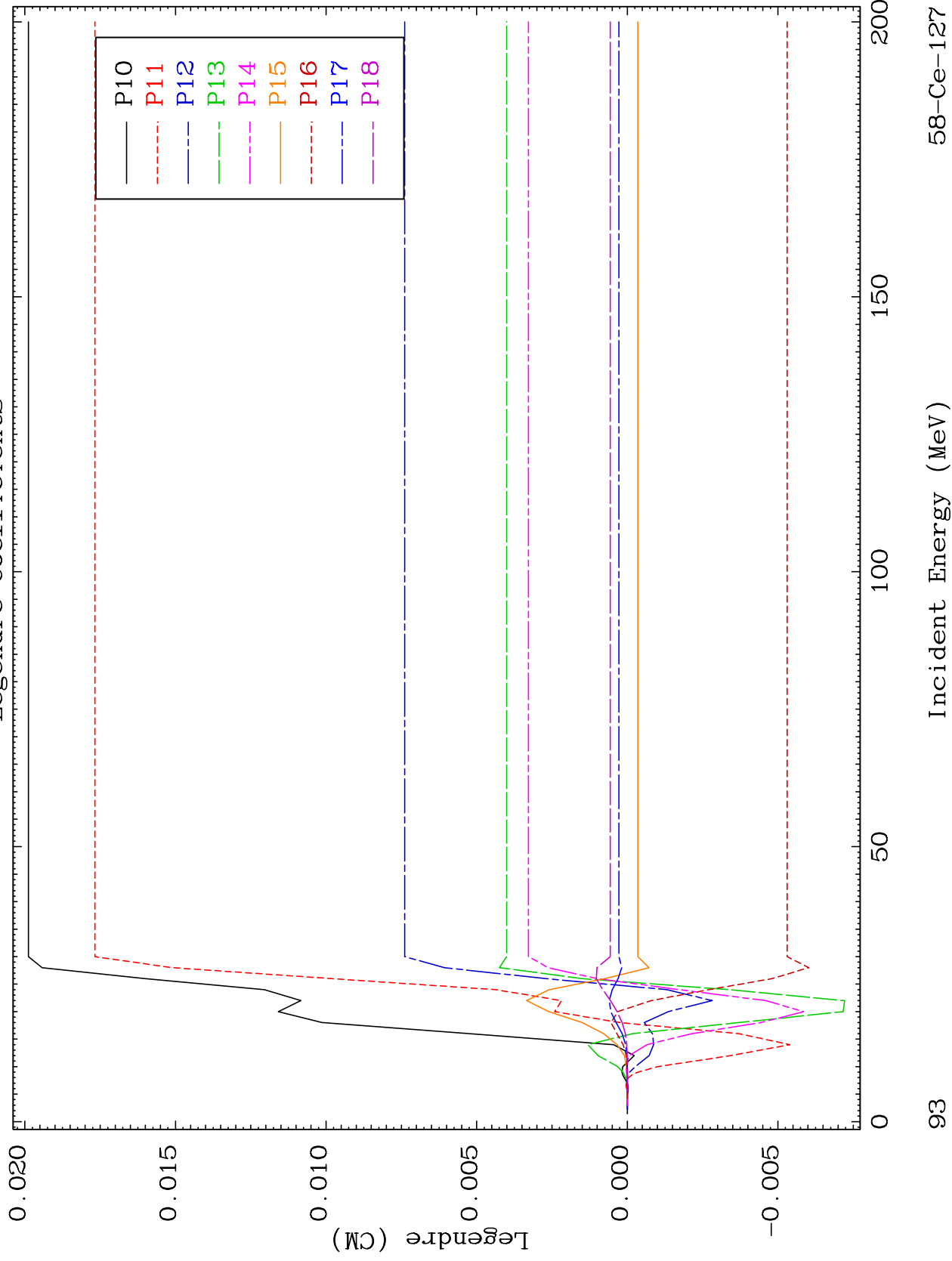
Incident Energy (MeV)

92

MAT 5798

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

58-Ce-127



58-Ce-127

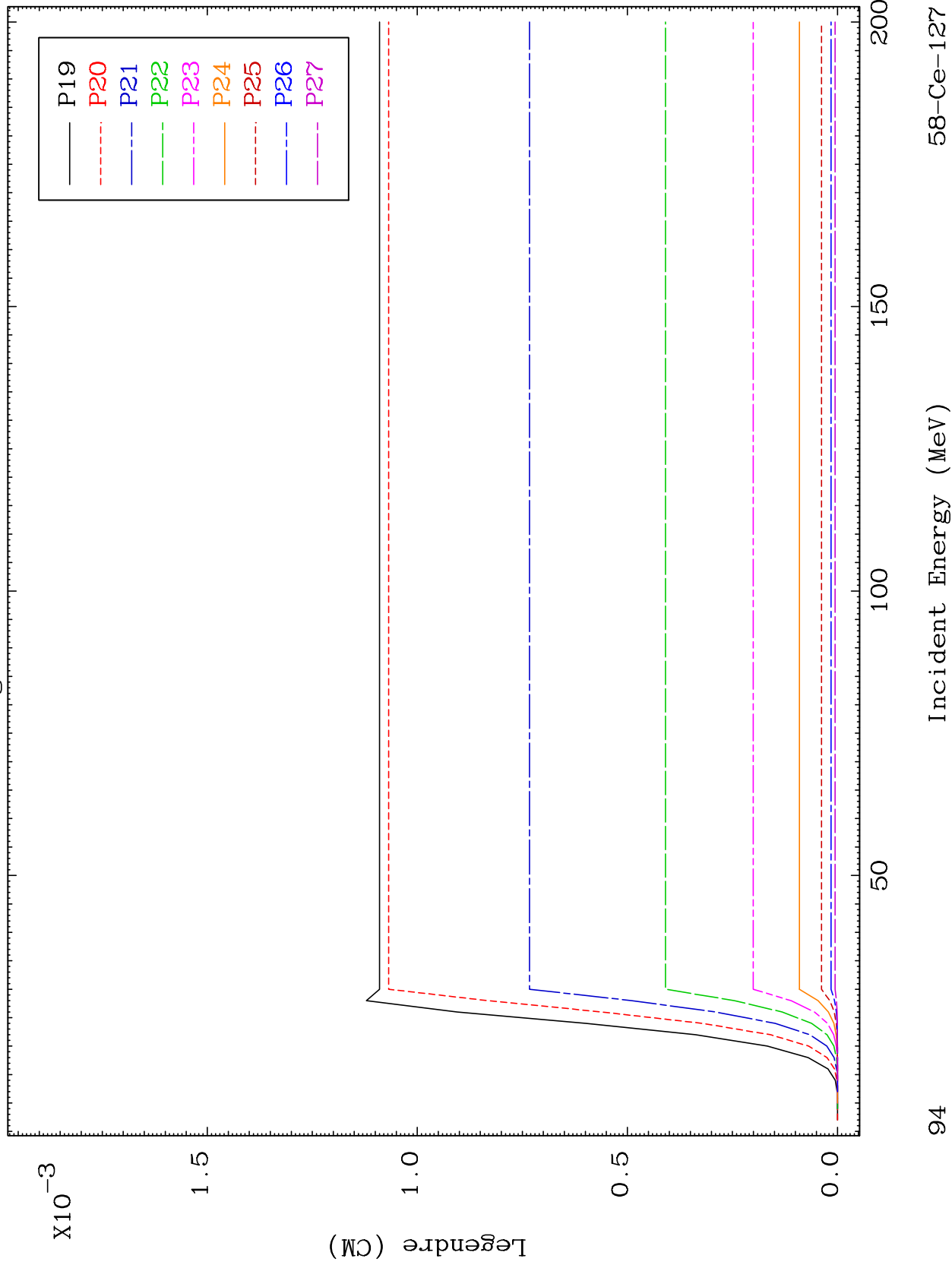
Incident Energy (MeV)

93

MAT 5798

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

58-Ce-127



94

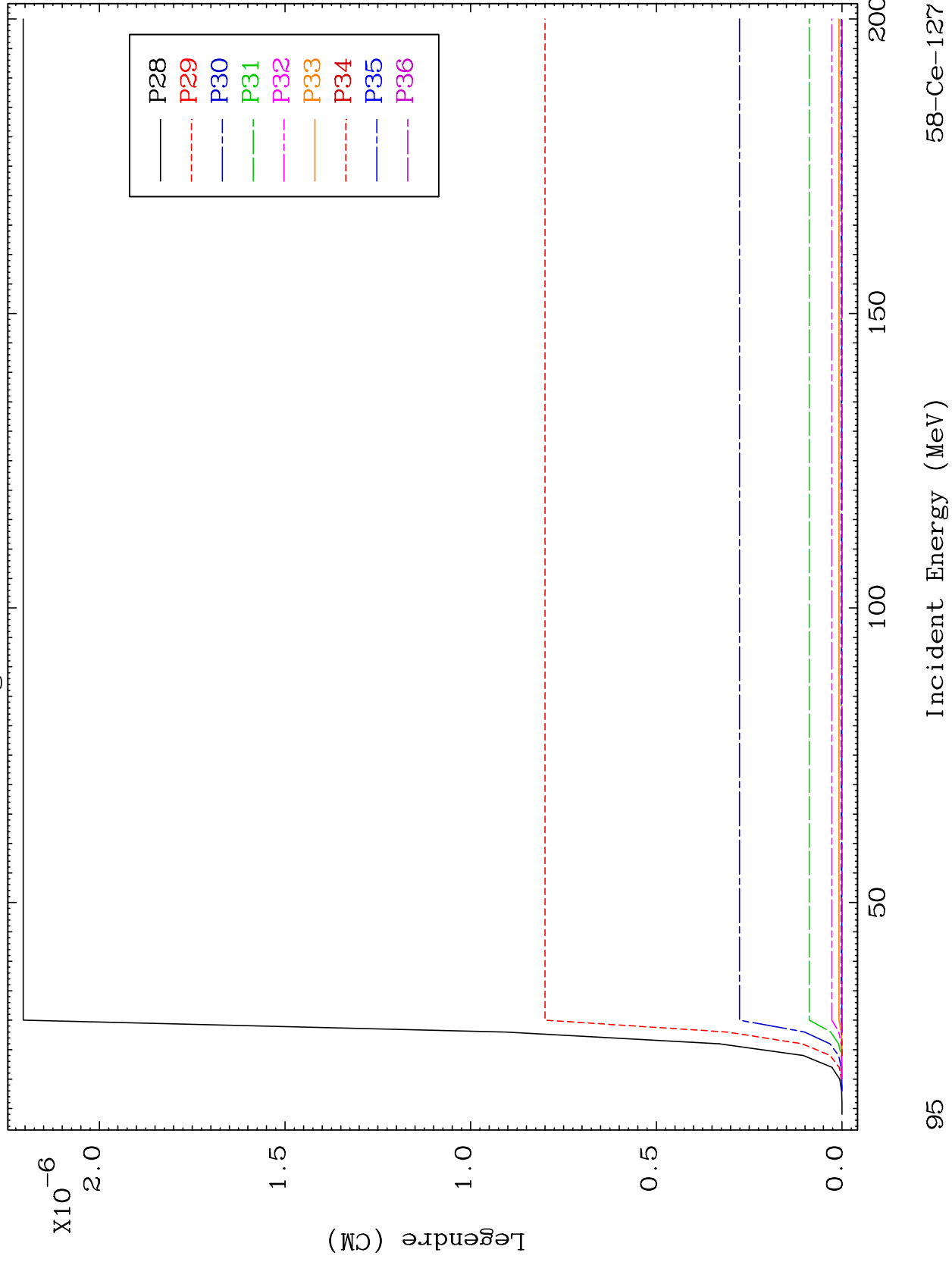
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



95

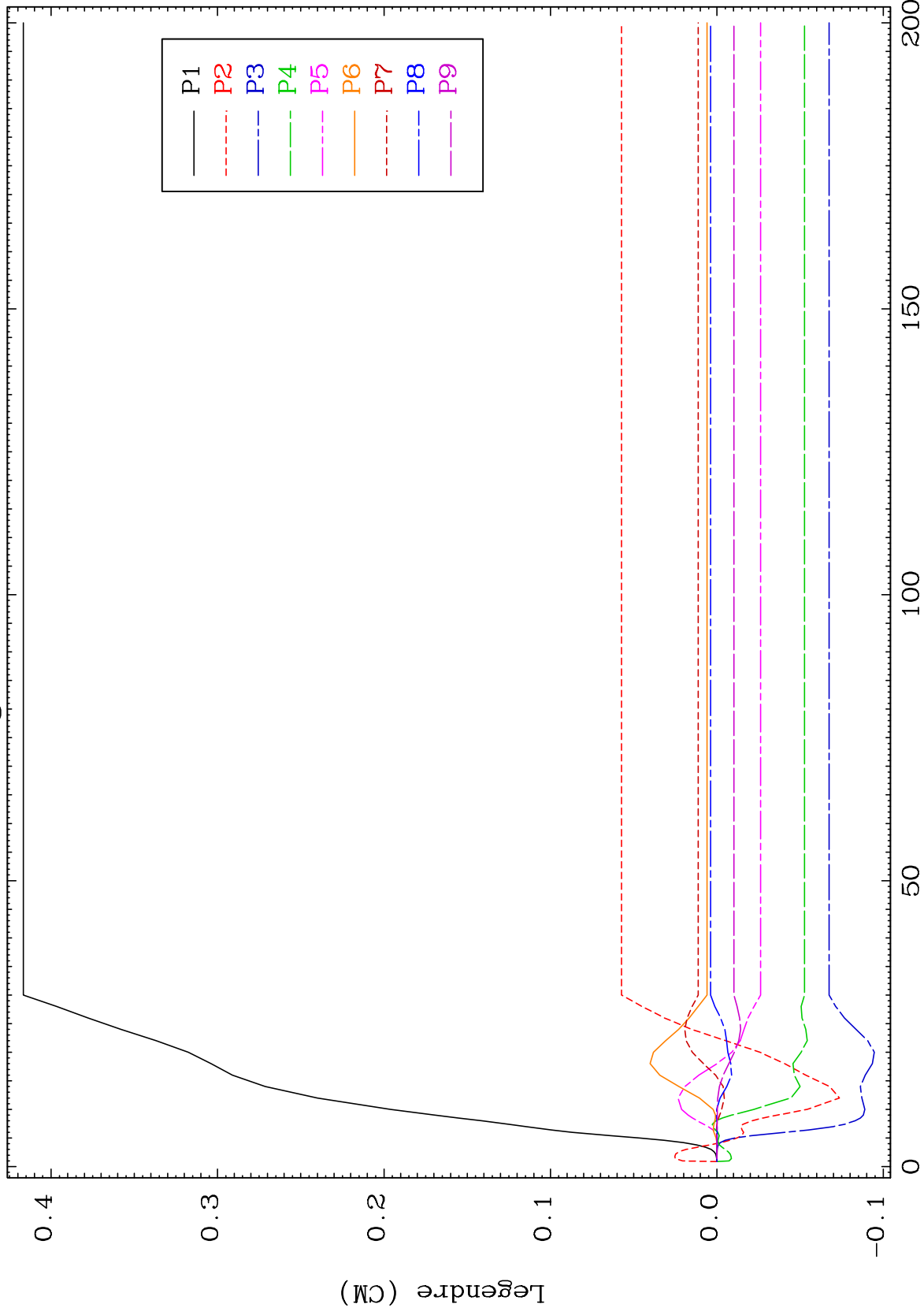
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



96

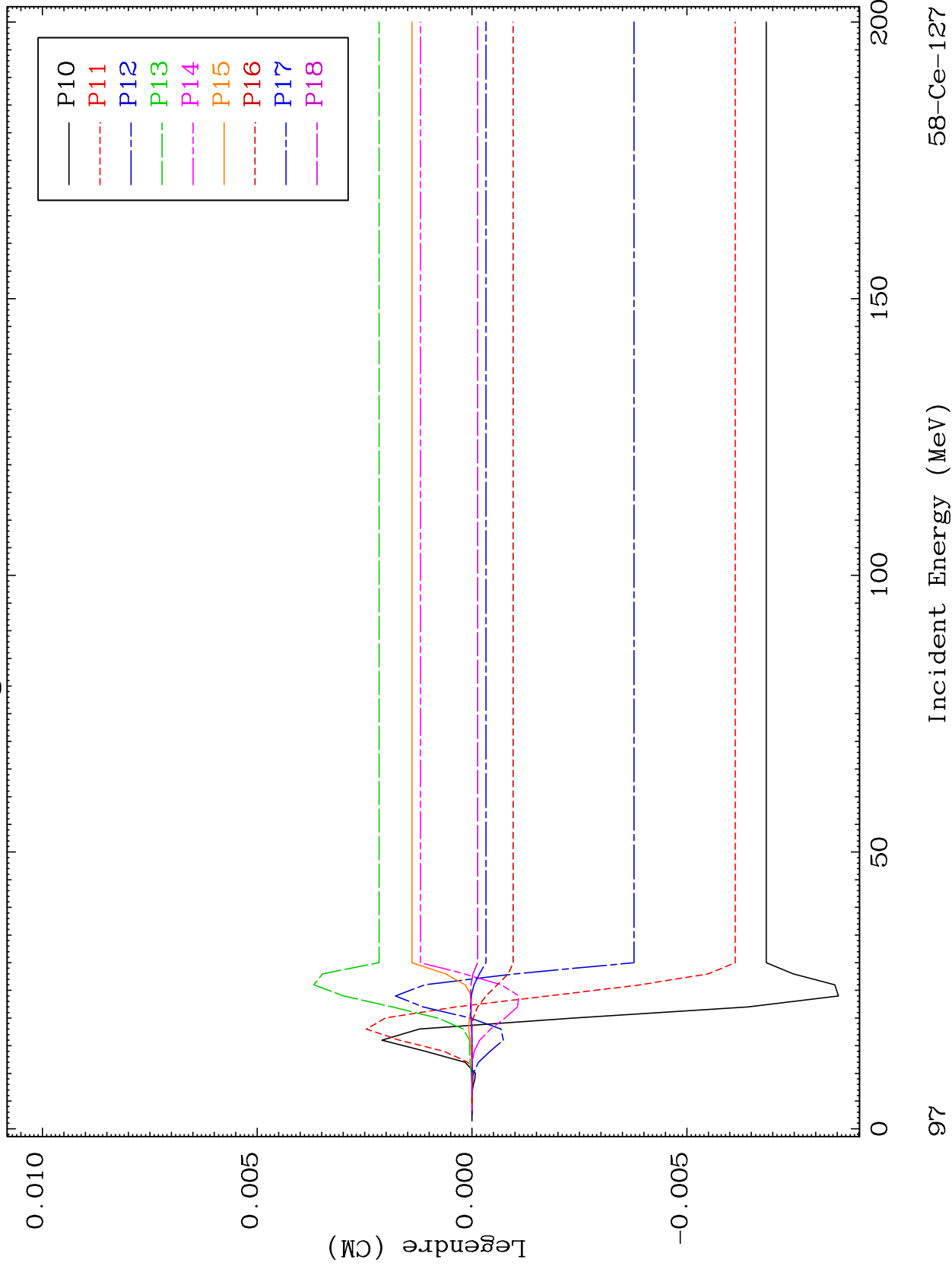
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



58-Ce-127

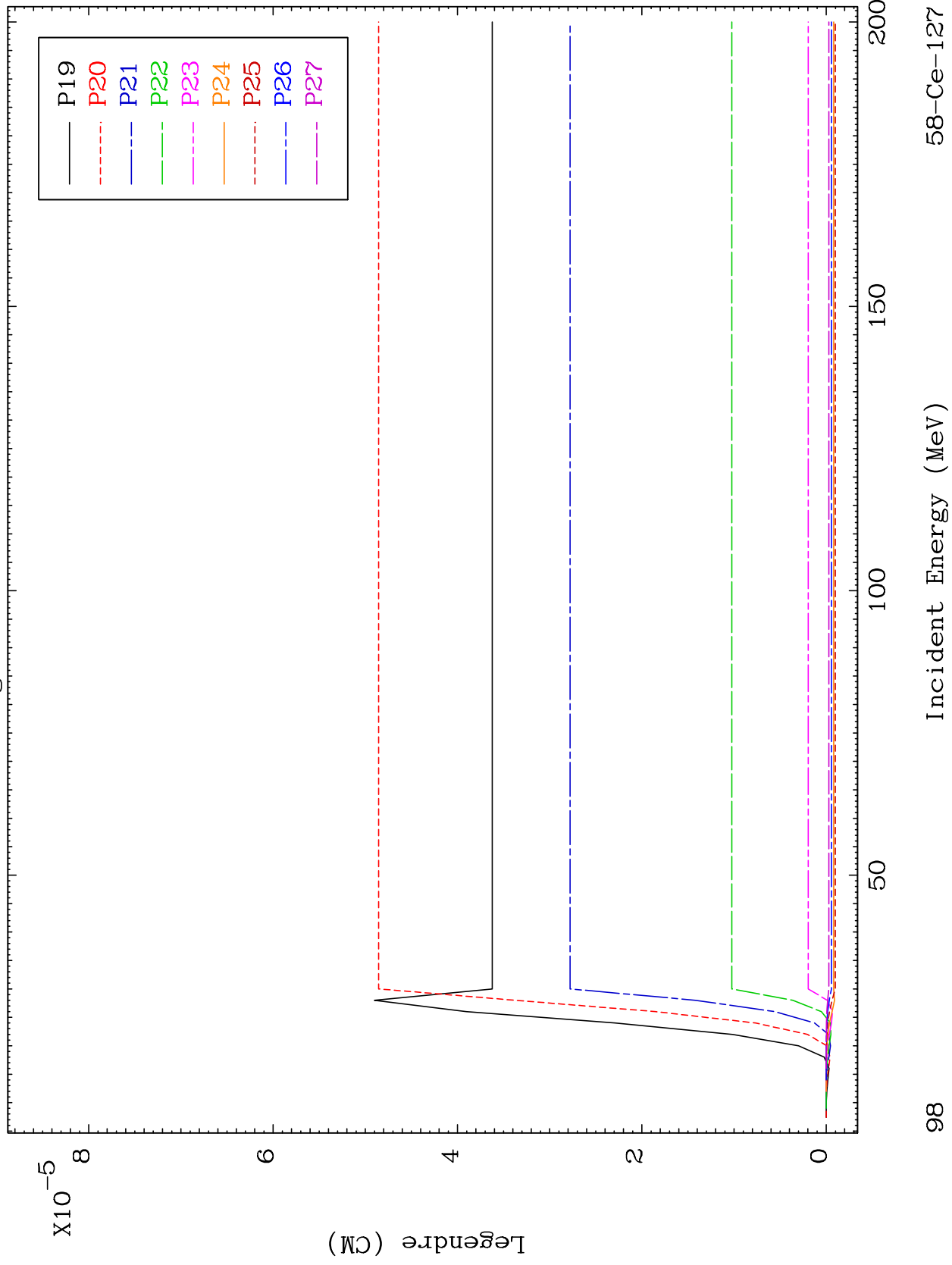
Incident Energy (MeV)

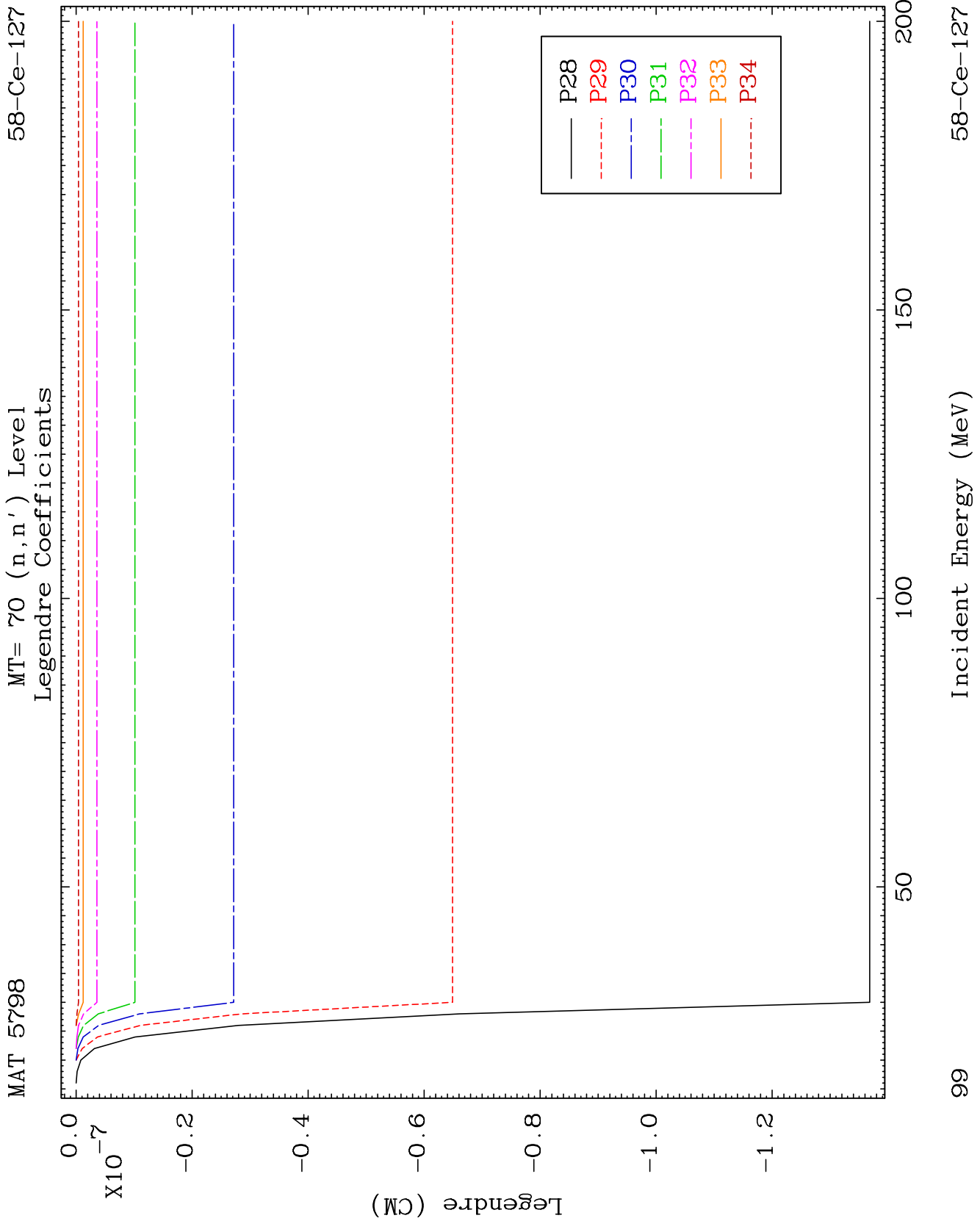
97

MAT 5798

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

58-Ce-127

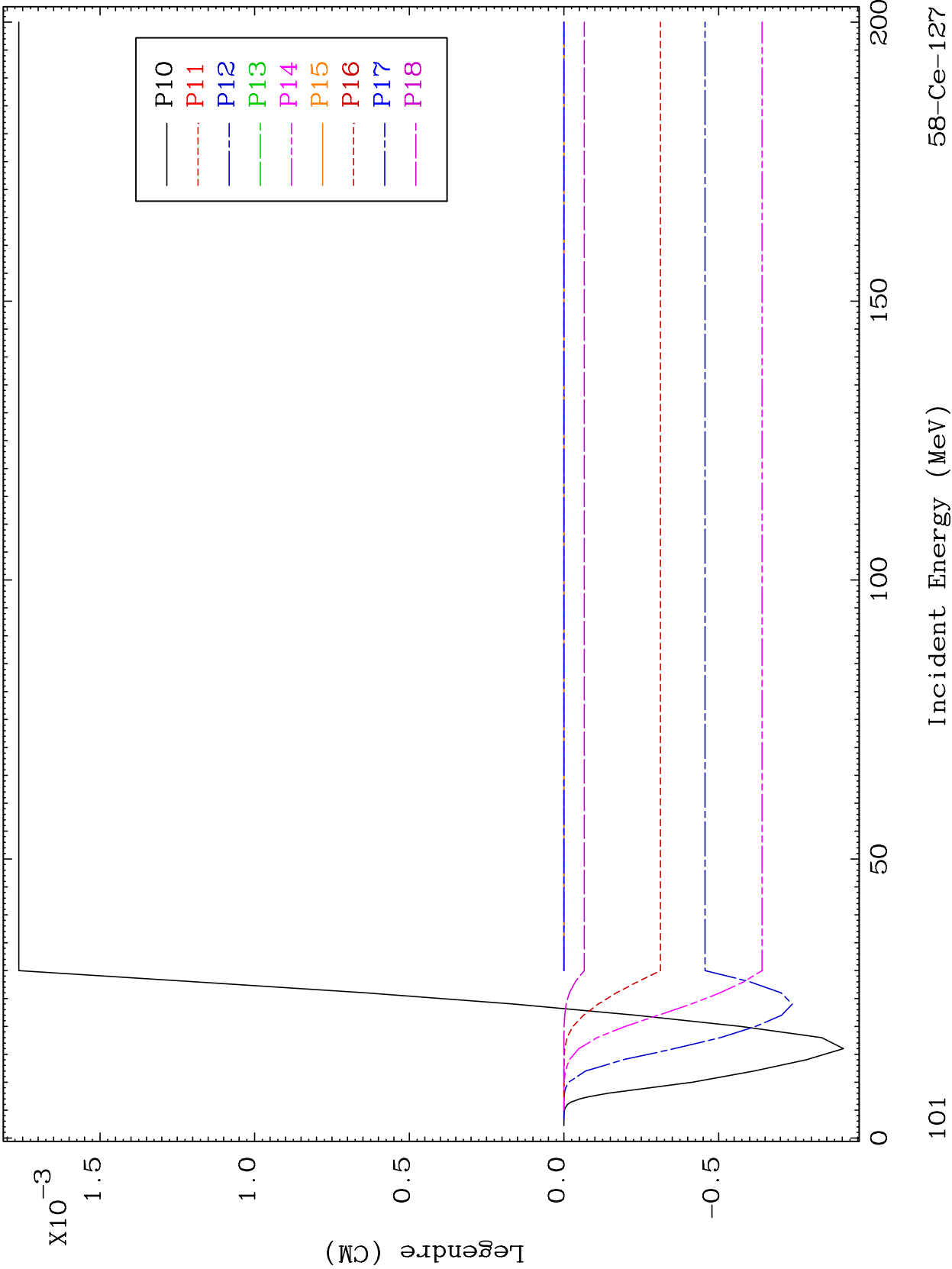




MAT 5798

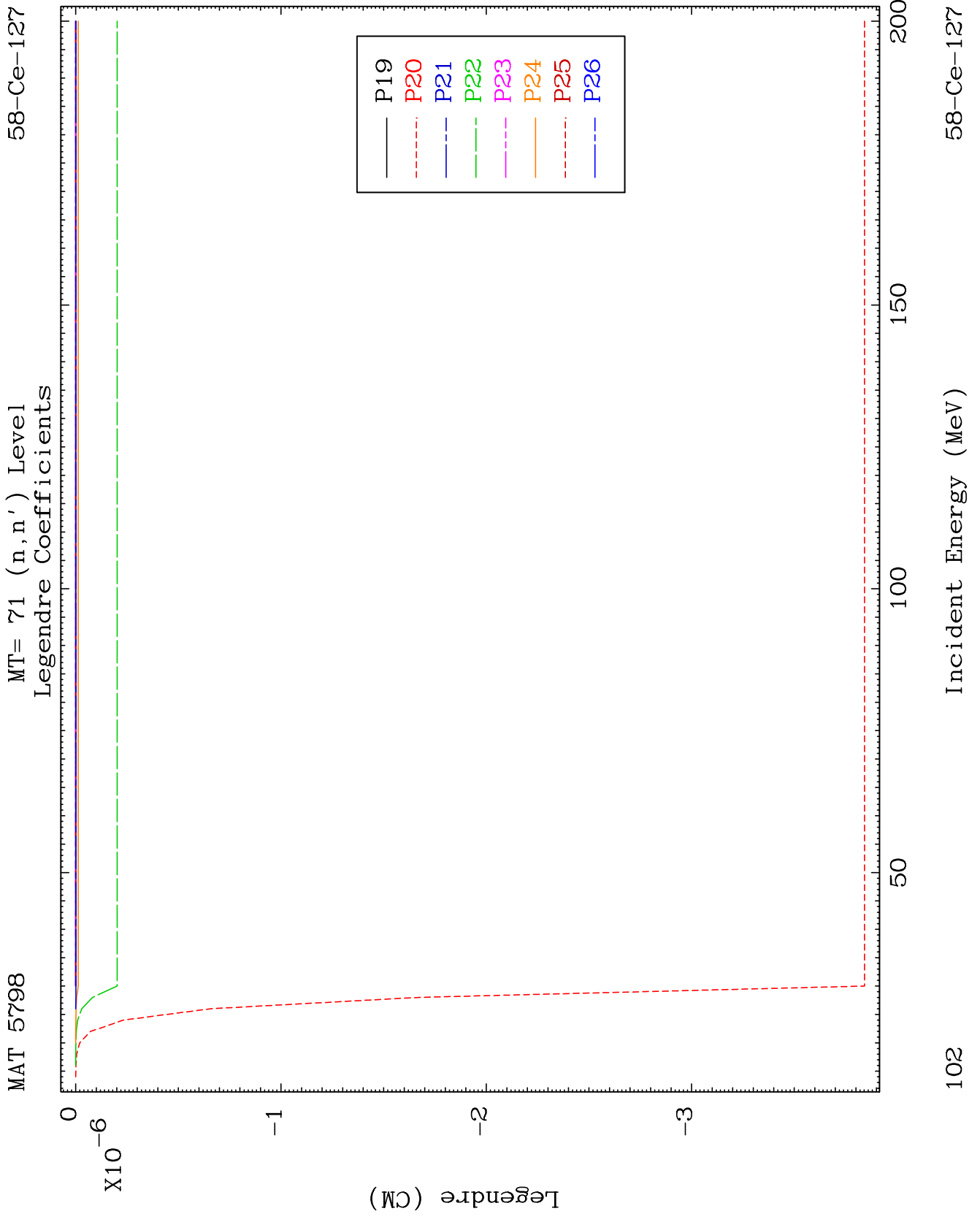
MT= 71 (n,n') Level
Legendre Coefficients

58-Ce-127



101

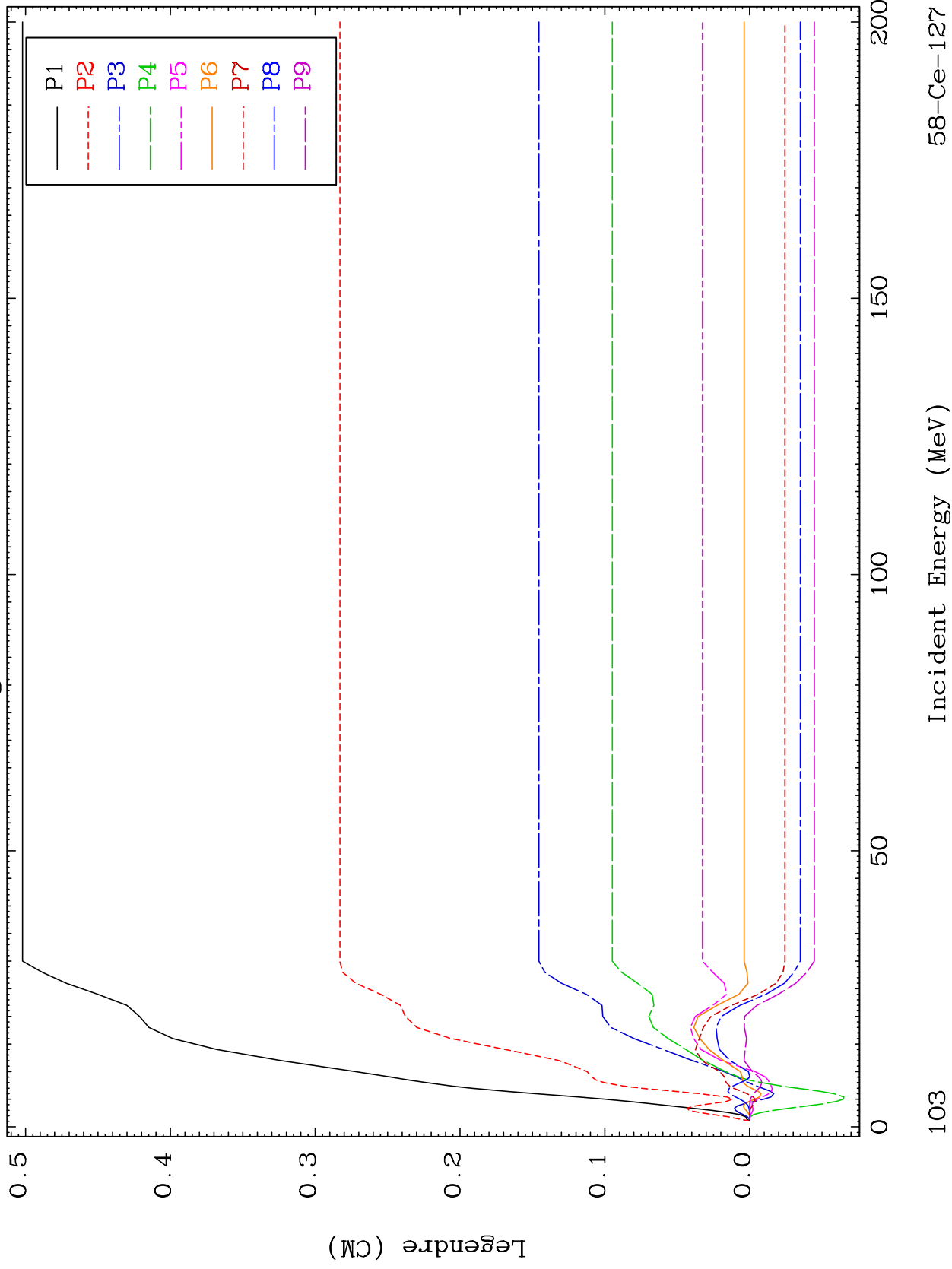
58-Ce-127



MAT 5798

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

58-Ce-127



58-Ce-127

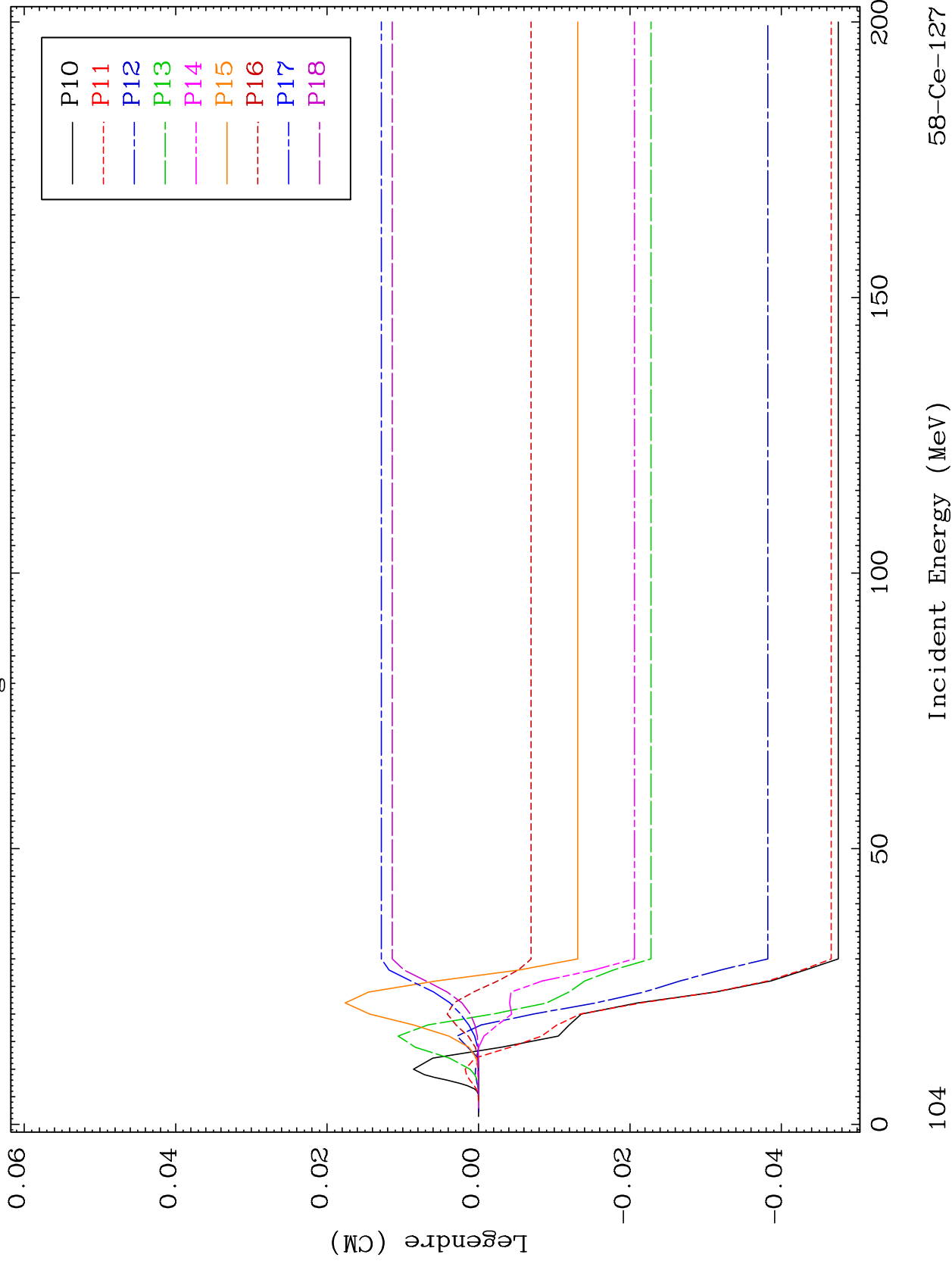
Incident Energy (MeV)

103

MAT 5798

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

58-Ce-127



104

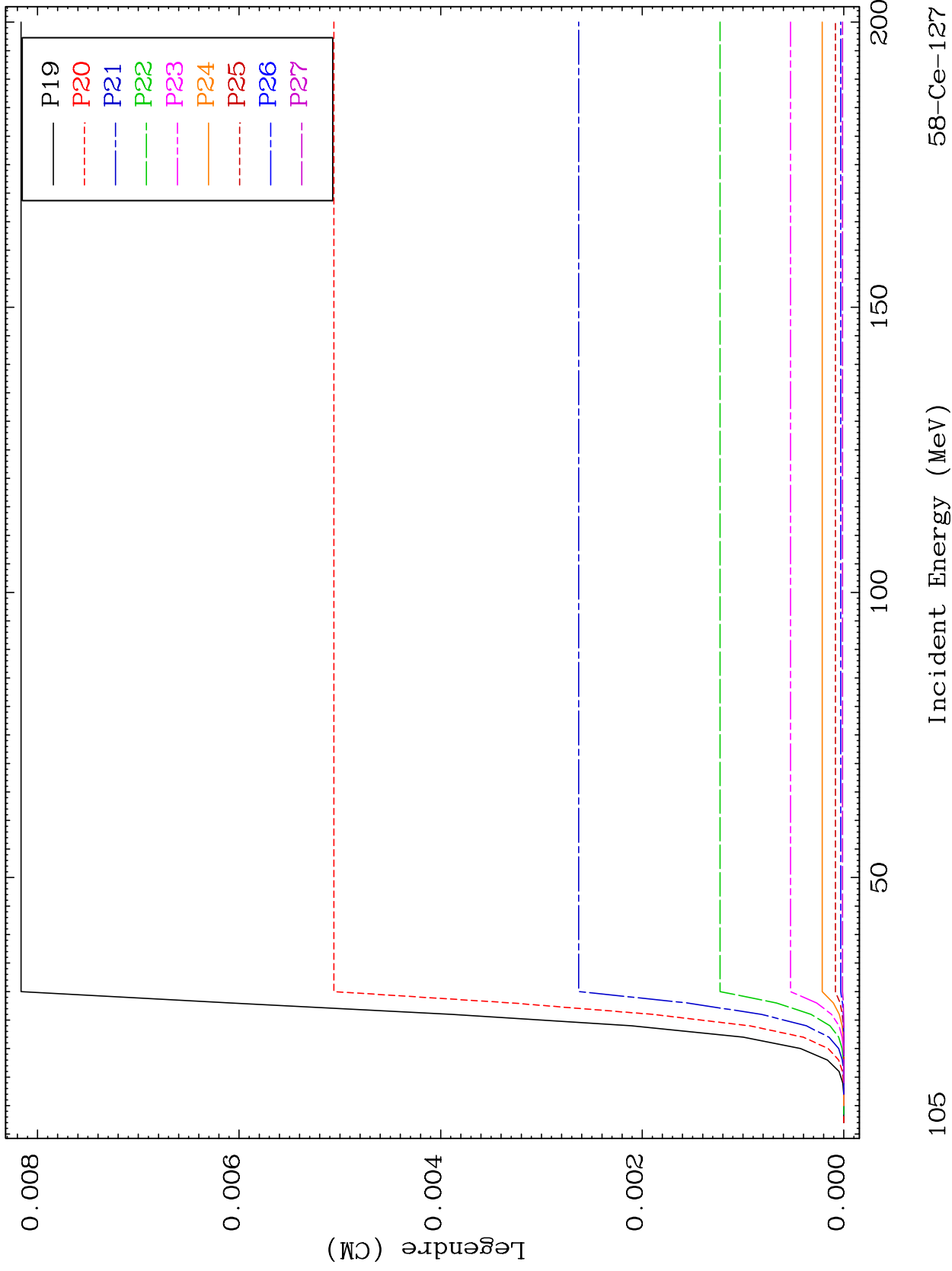
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



105

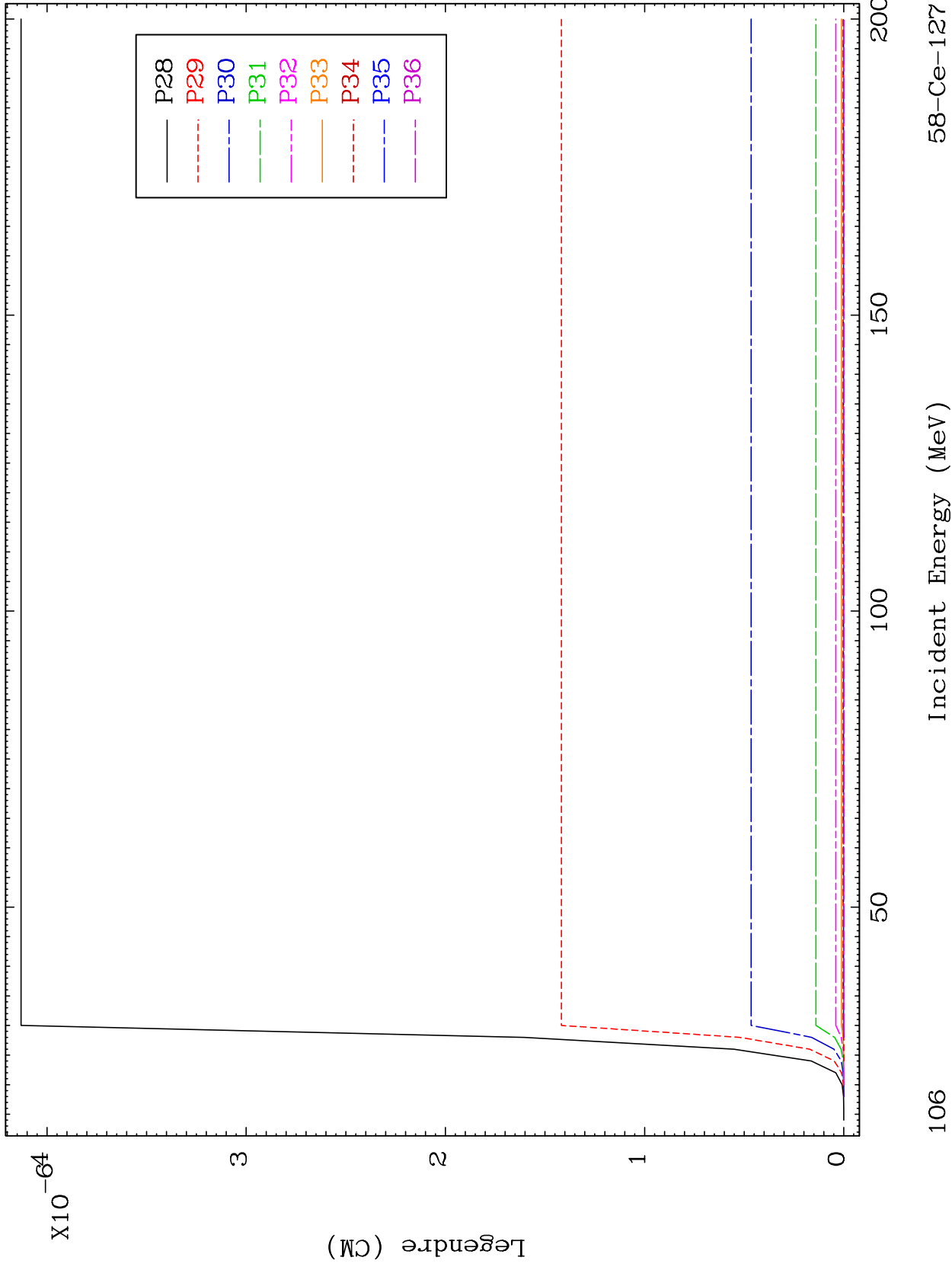
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

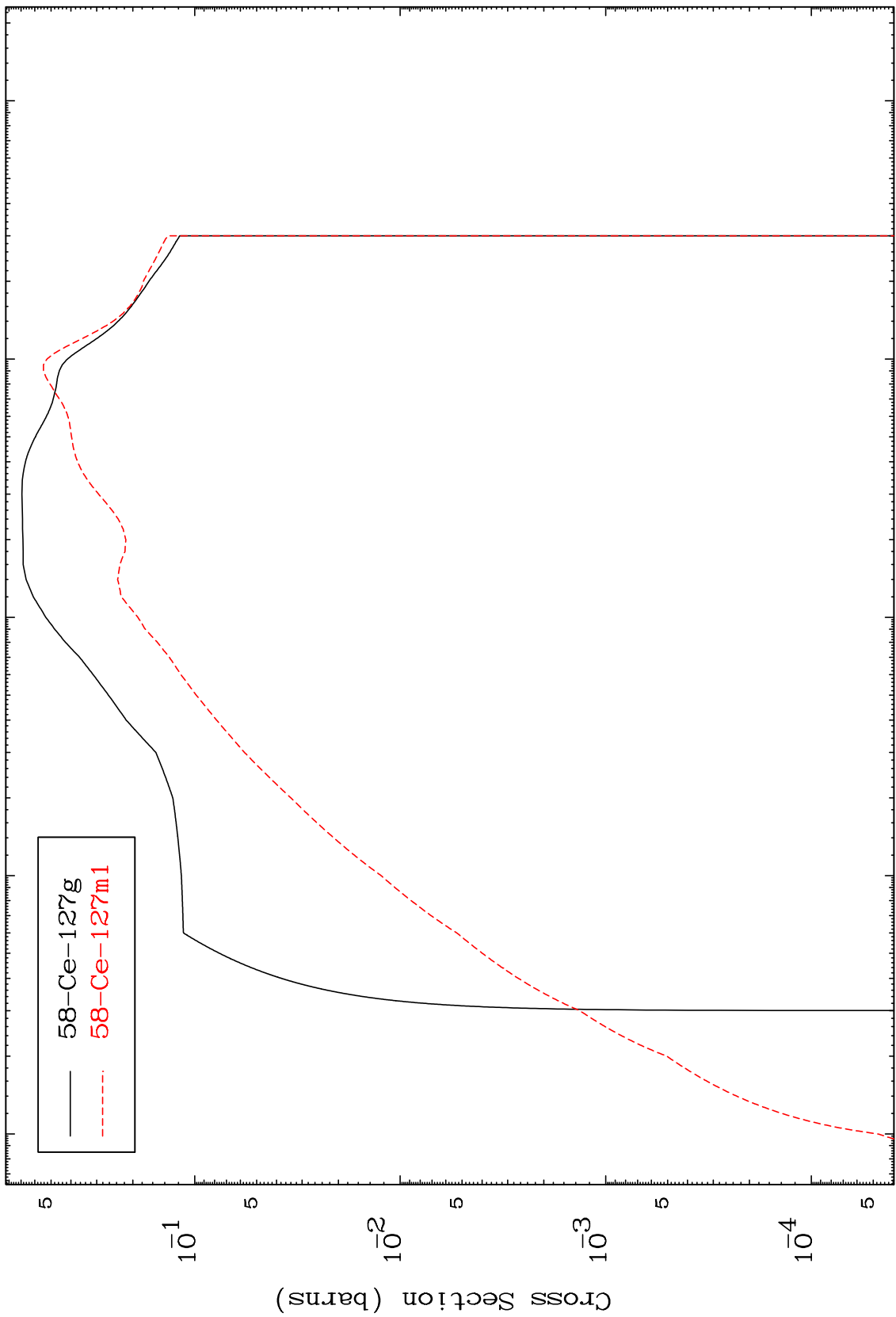
58-Ce-127



MAT 5798

58-Ce-127

Inelastic
Radionuclide Production Cross Section



— 58-Ce-127g
- - - 58-Ce-127m1

58-Ce-127

Incident Energy (MeV)

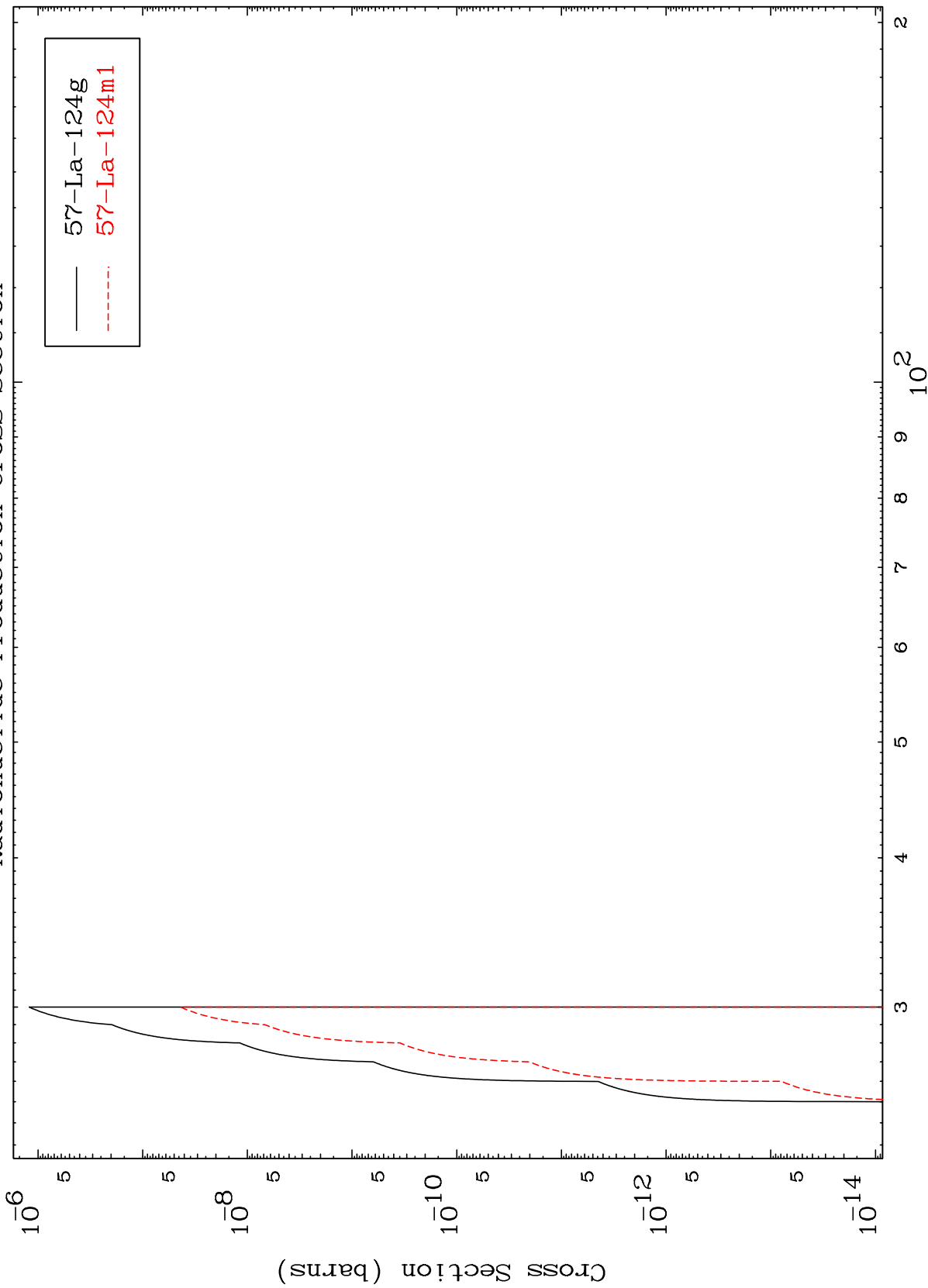
107

MAT 5798

(n,2n) d

58-Ce-127

Radionuclide Production Cross Section



108

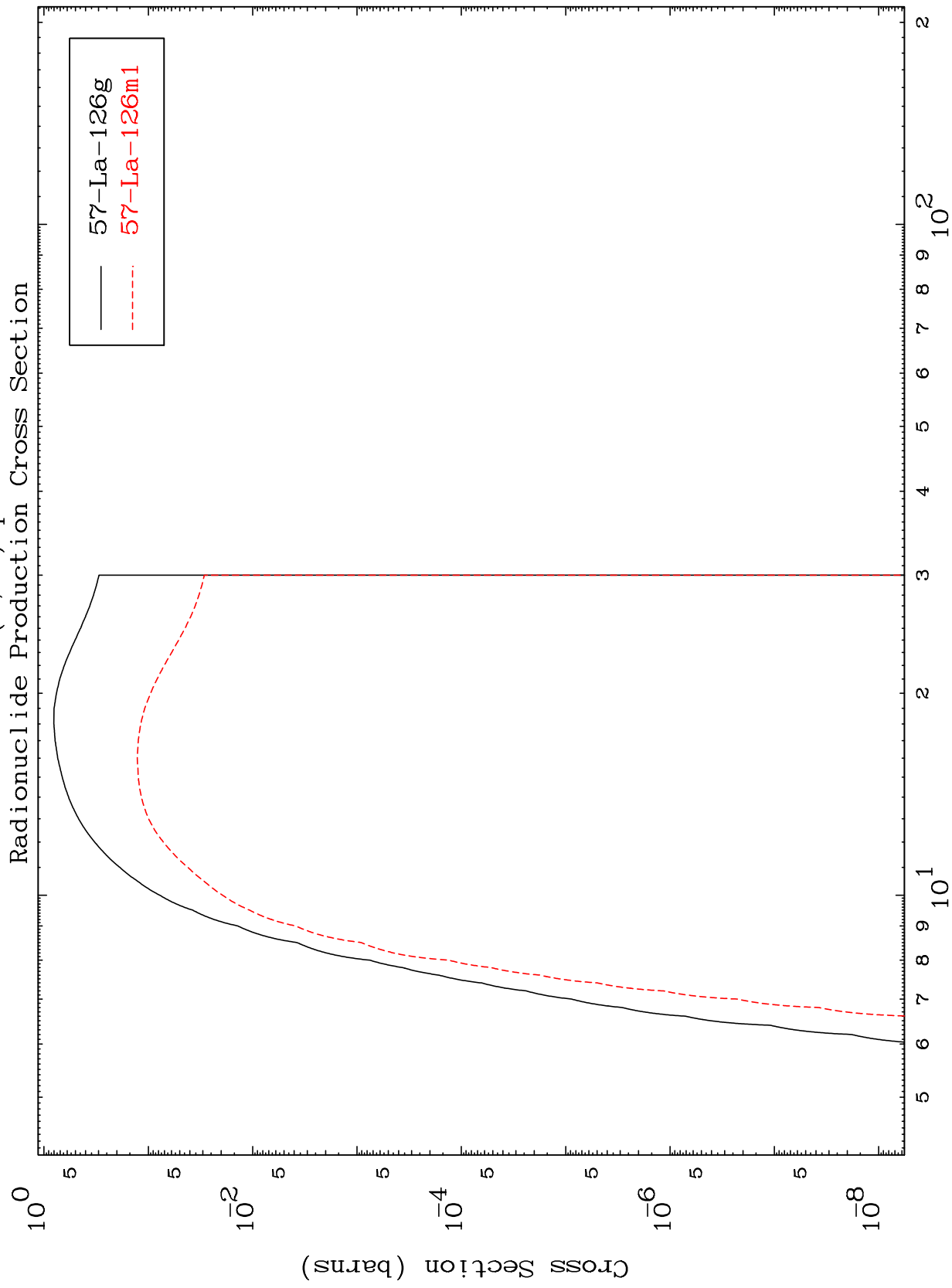
Incident Energy (MeV)

58-Ce-127

MAT 5798

(n,n') p

58-Ce-127



109

58-Ce-127

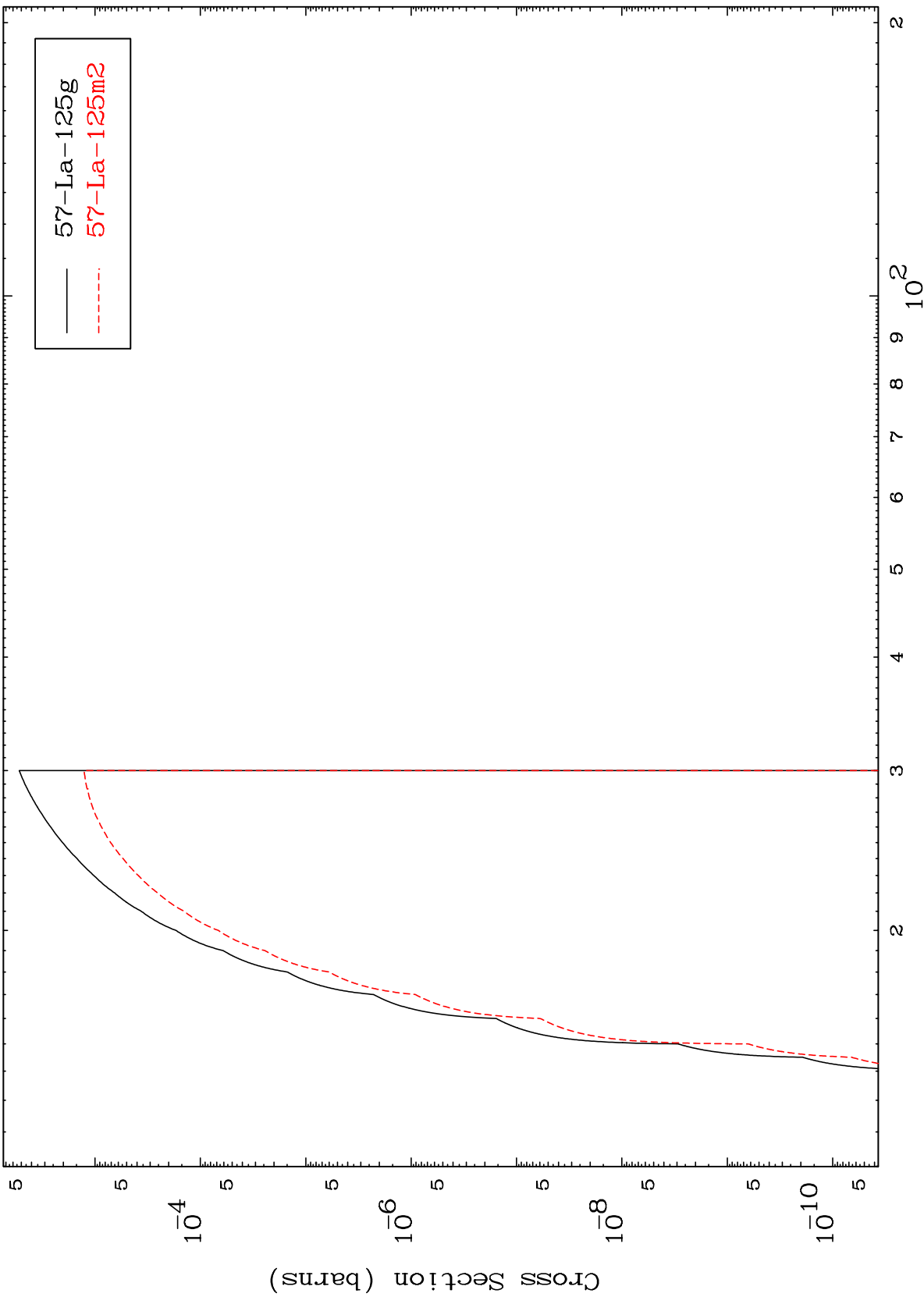
58-Ce-127

MAT 5798

(n,n') d

58-Ce-127

Radionuclide Production Cross Section



110

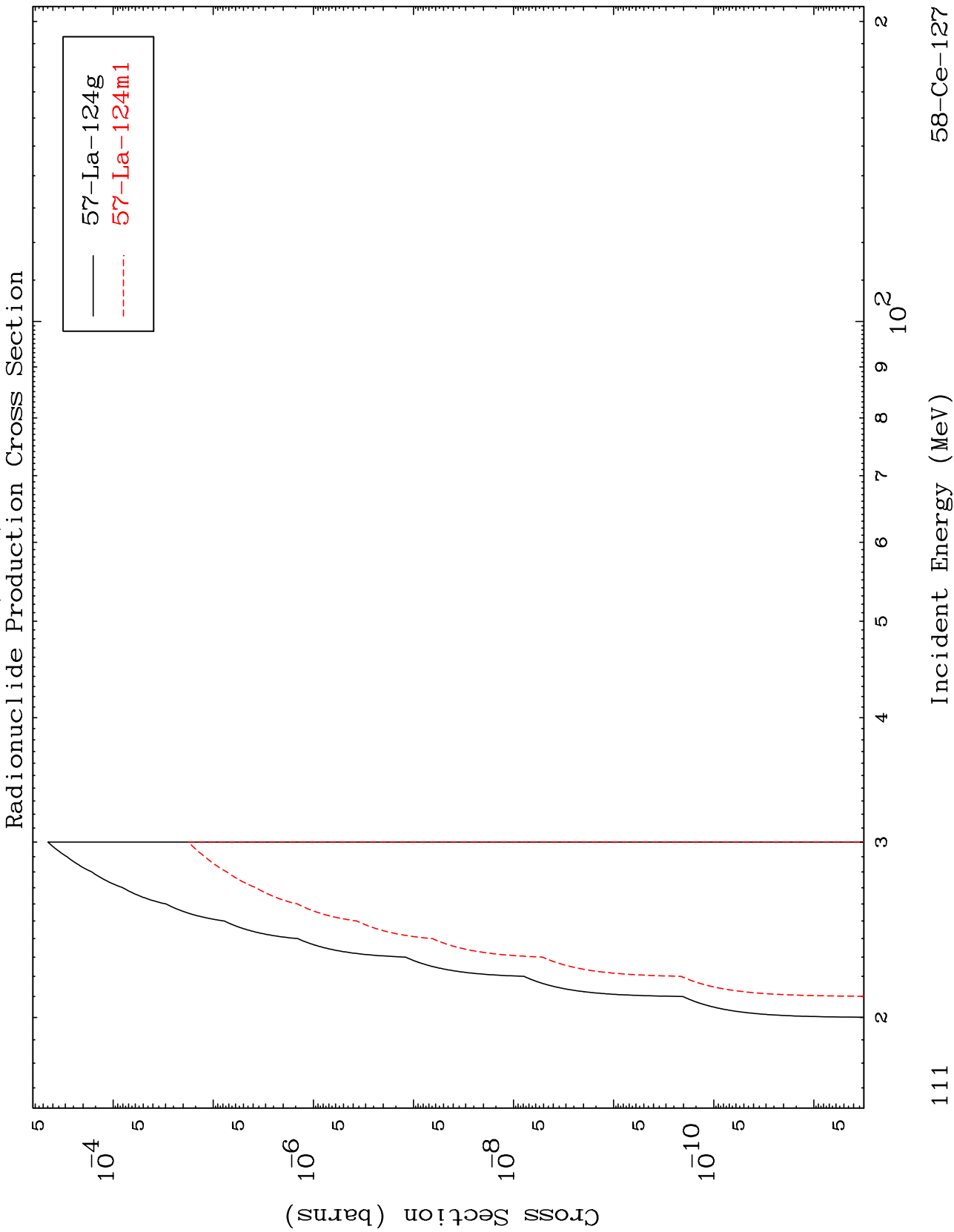
Incident Energy (MeV)

58-Ce-127

MAT 5798

(n,n') t

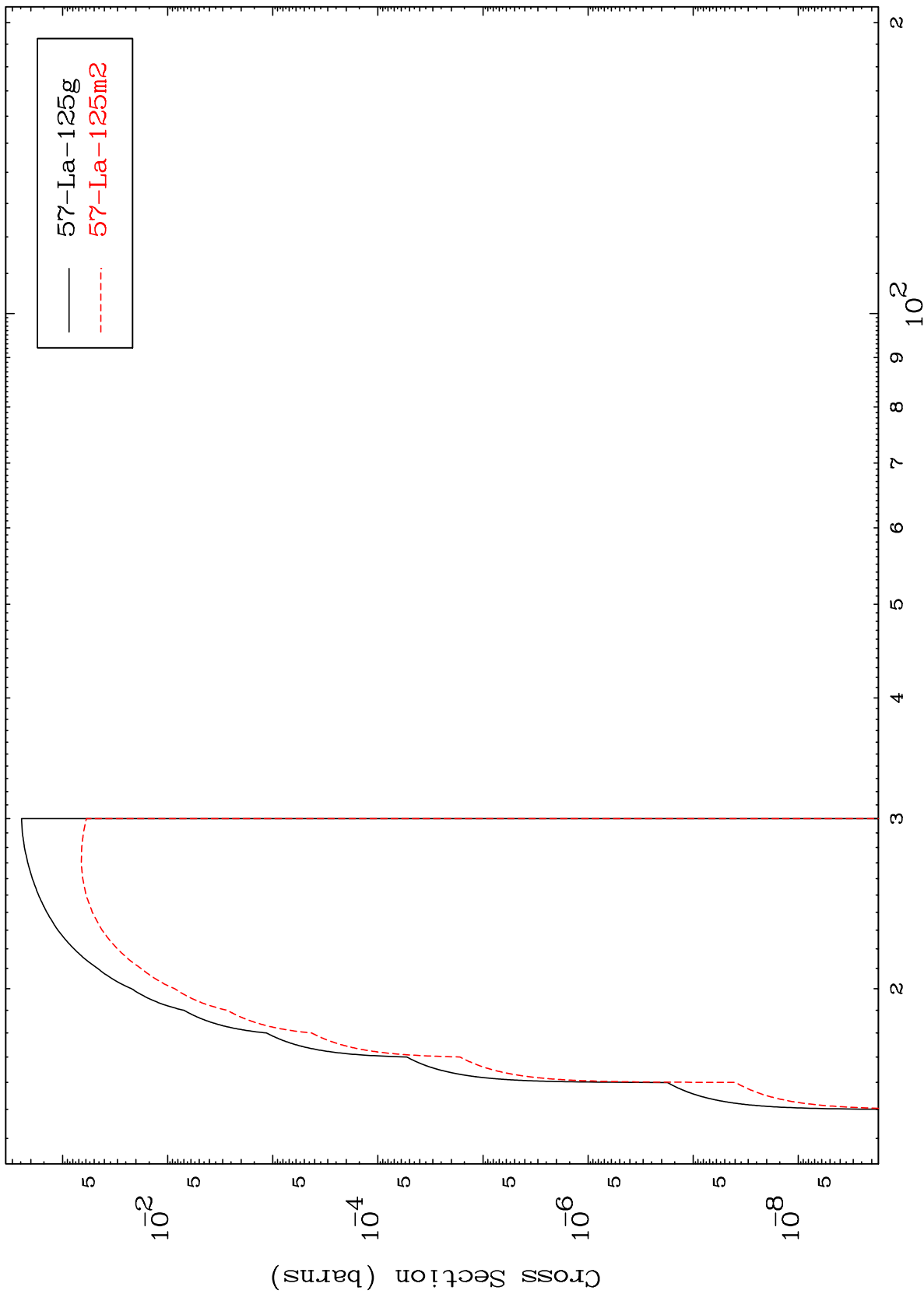
58-Ce-127



111

58-Ce-127

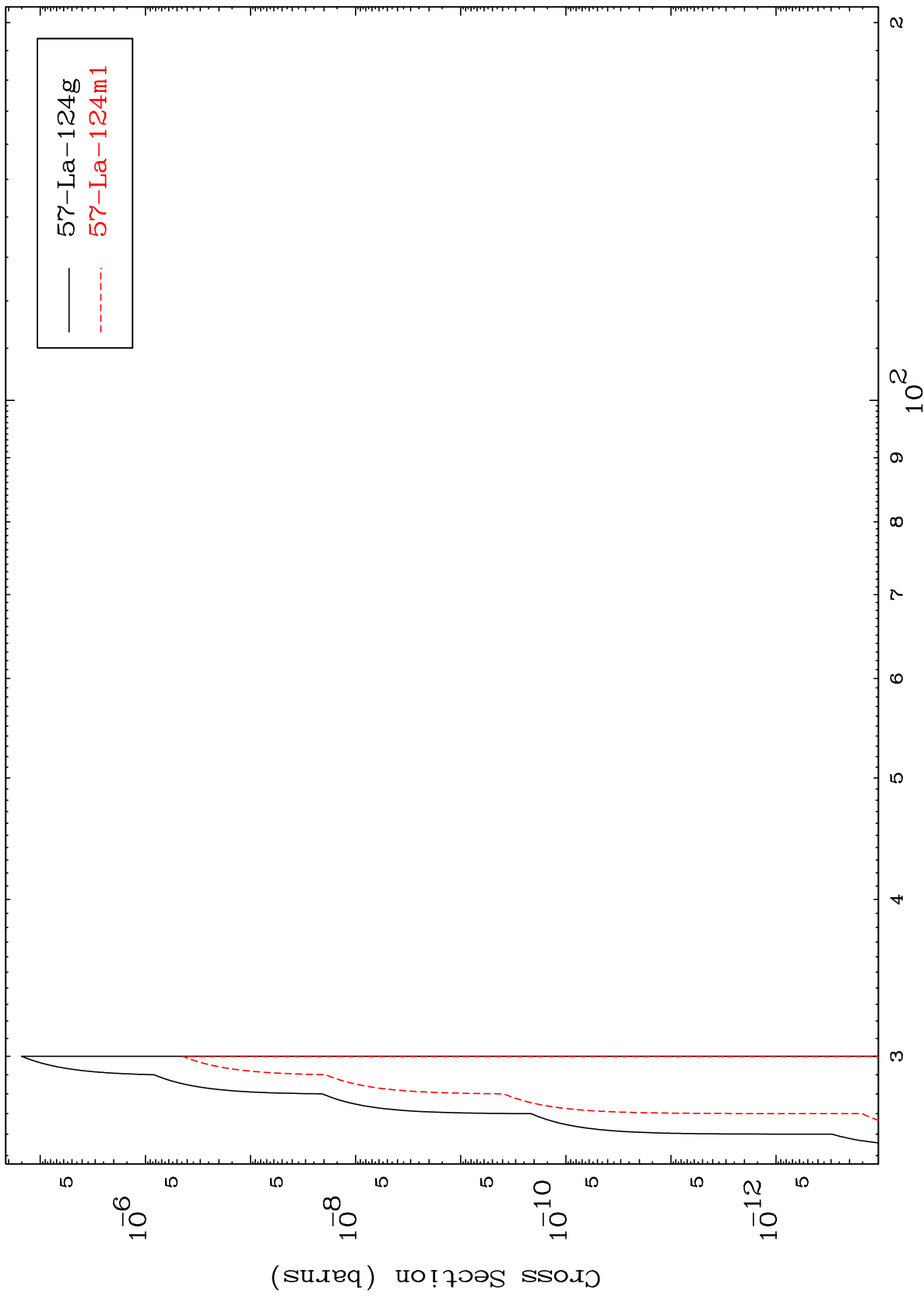
Radionuclide Production Cross Section



MAT 5798

58-Ce-127

(n,3n) p
Radionuclide Production Cross Section



58-Ce-127

Incident Energy (MeV)

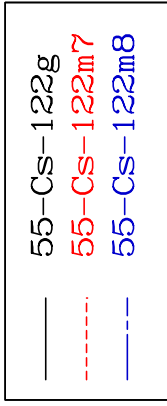
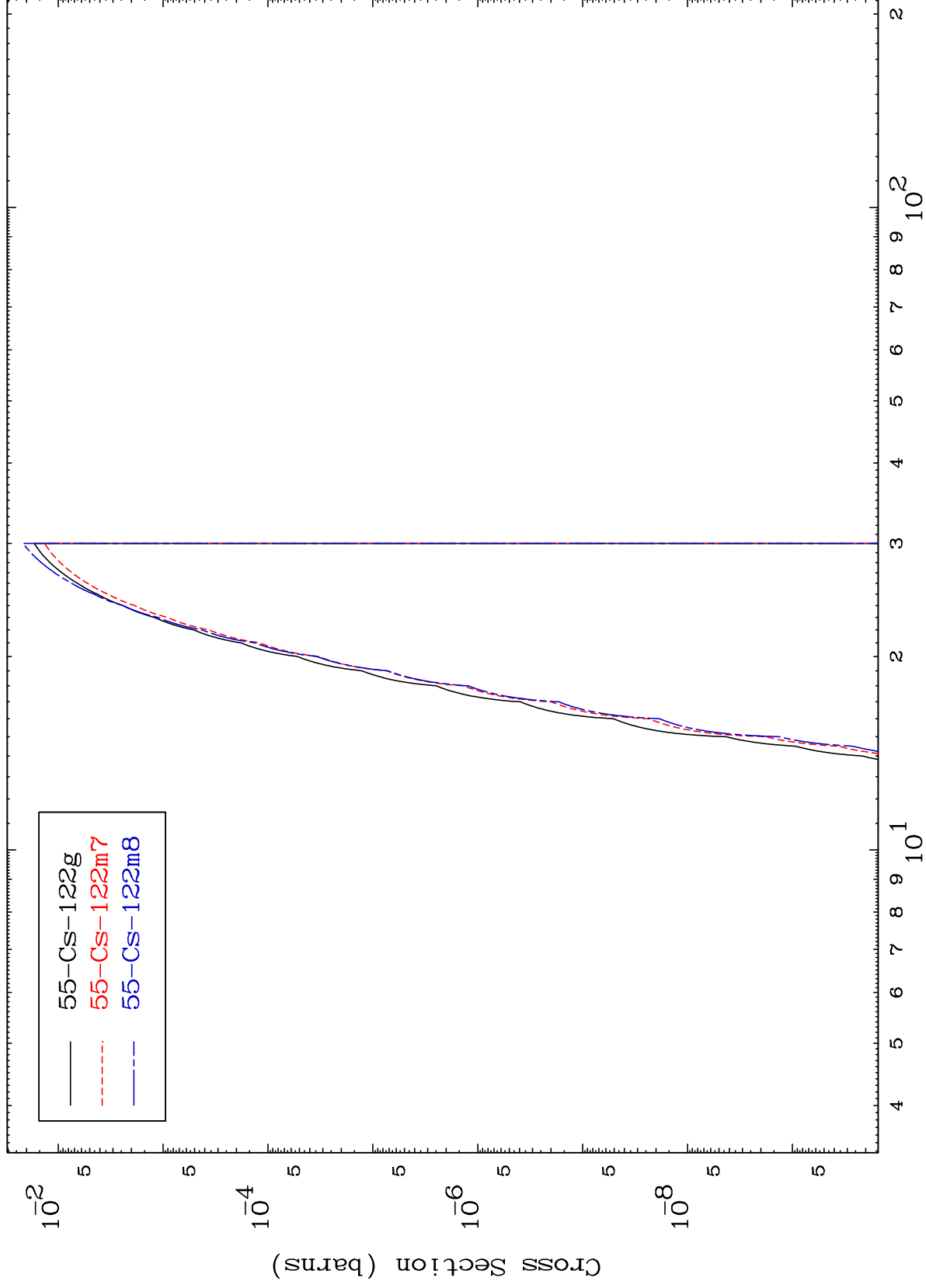
113

MAT 5798

(n,n') p α

58-Ce-127

Radionuclide Production Cross Section



114

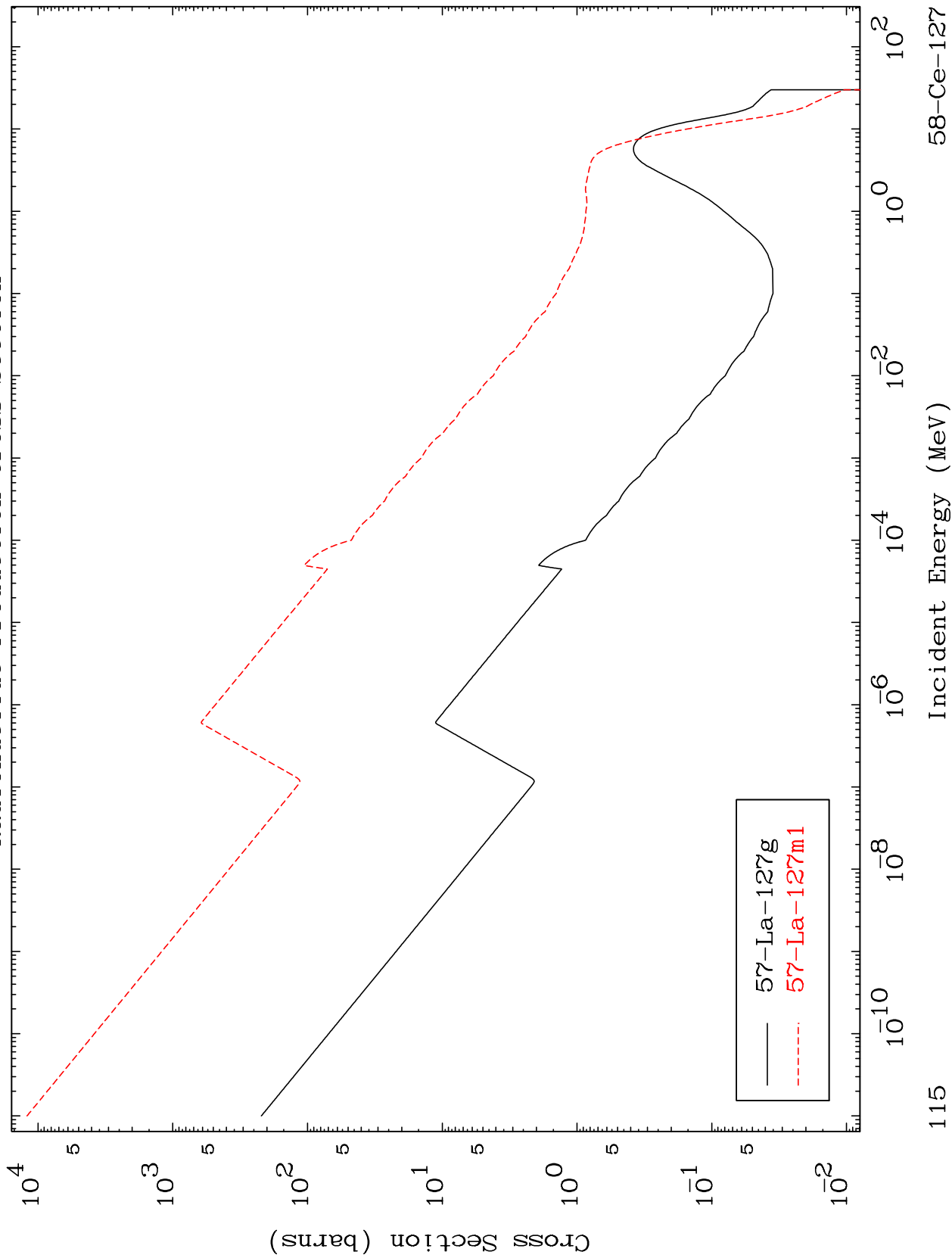
Incident Energy (MeV)

58-Ce-127

MAT 5798

58-Ce-127

Radionuclide Production Cross Section



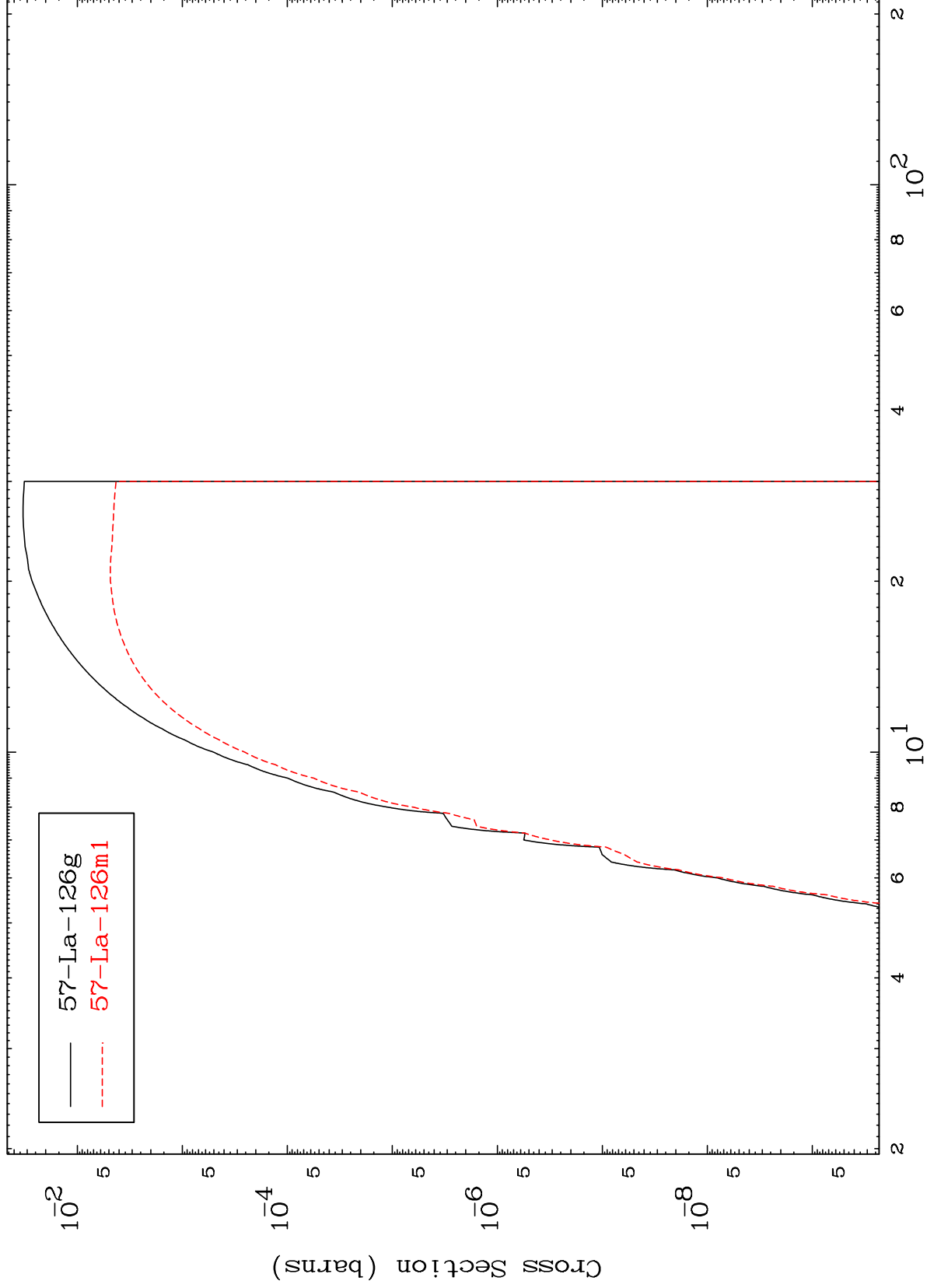
115

MAT 5798

(n,d)

58-Ce-127

Radionuclide Production Cross Section



57-La-126g
57-La-126m1

116

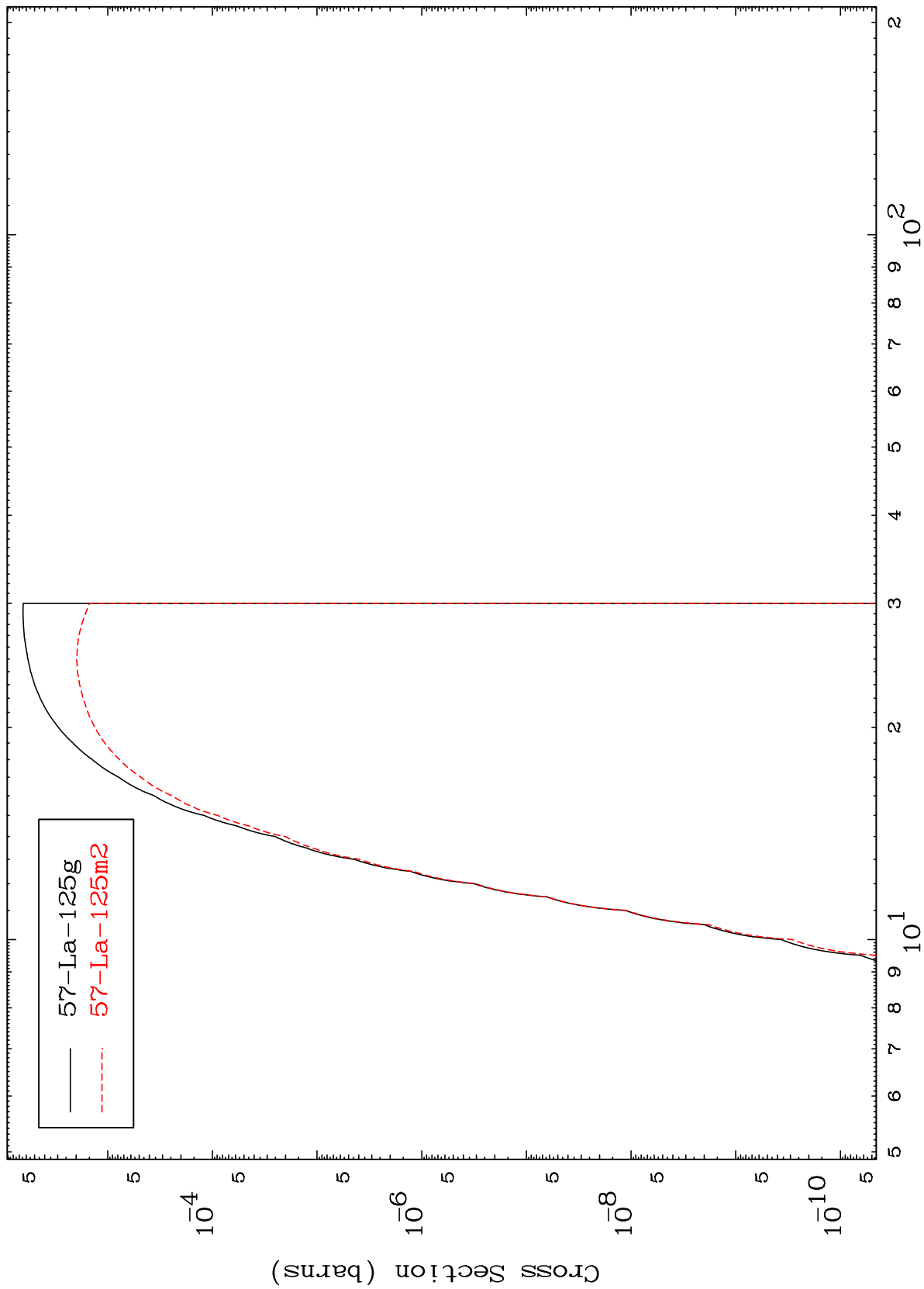
Incident Energy (MeV)

58-Ce-127

MAT 5798

58-Ce-127

Radionuclide Production Cross Section



117

Incident Energy (MeV)

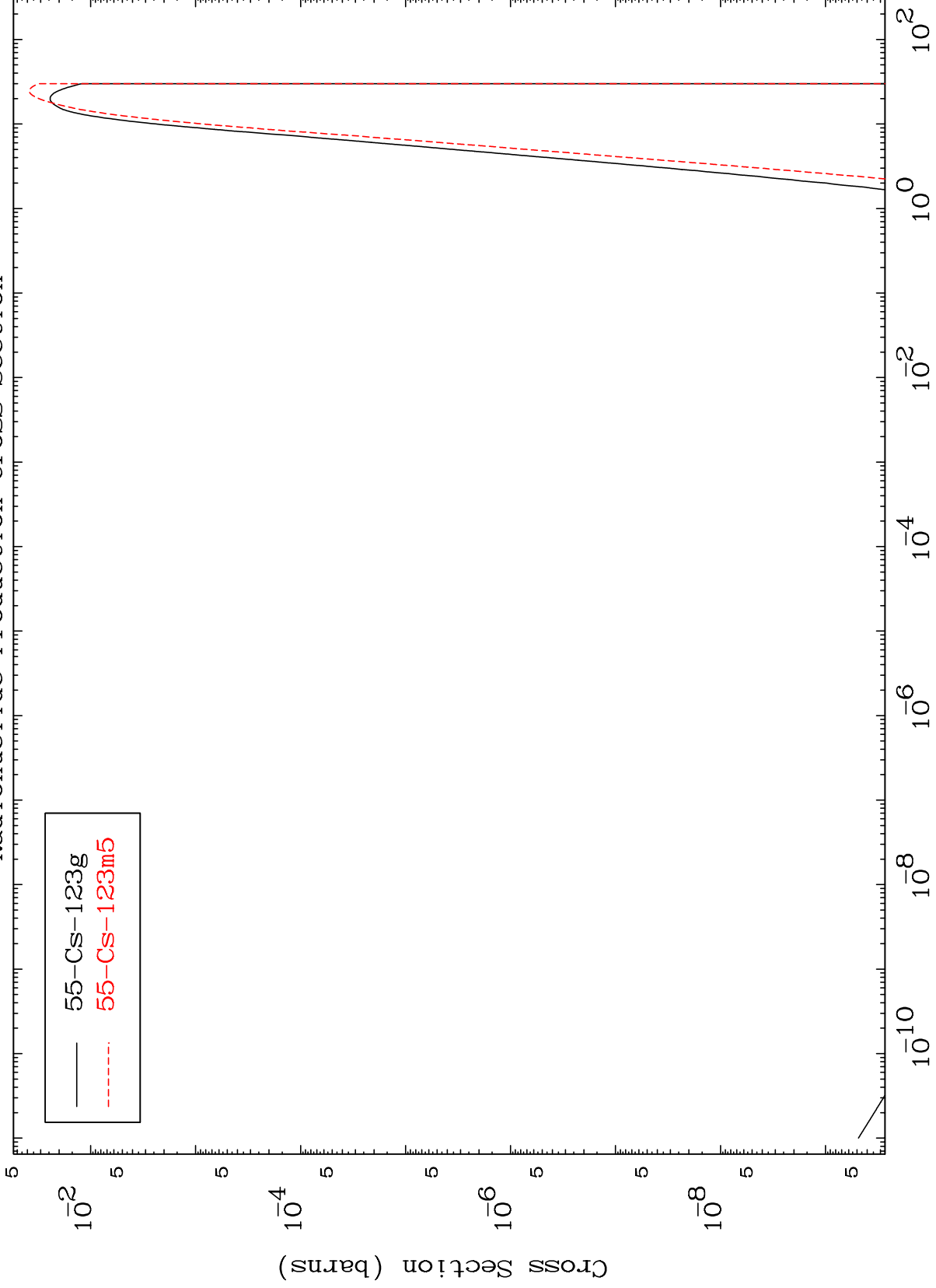
58-Ce-127

MAT 5798

(n,p) α

58-Ce-127

Radionuclide Production Cross Section



MAT 5798

(n,d) α

58-Ce-127

