

Program EVALPLOT
(Version 2021-1)

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

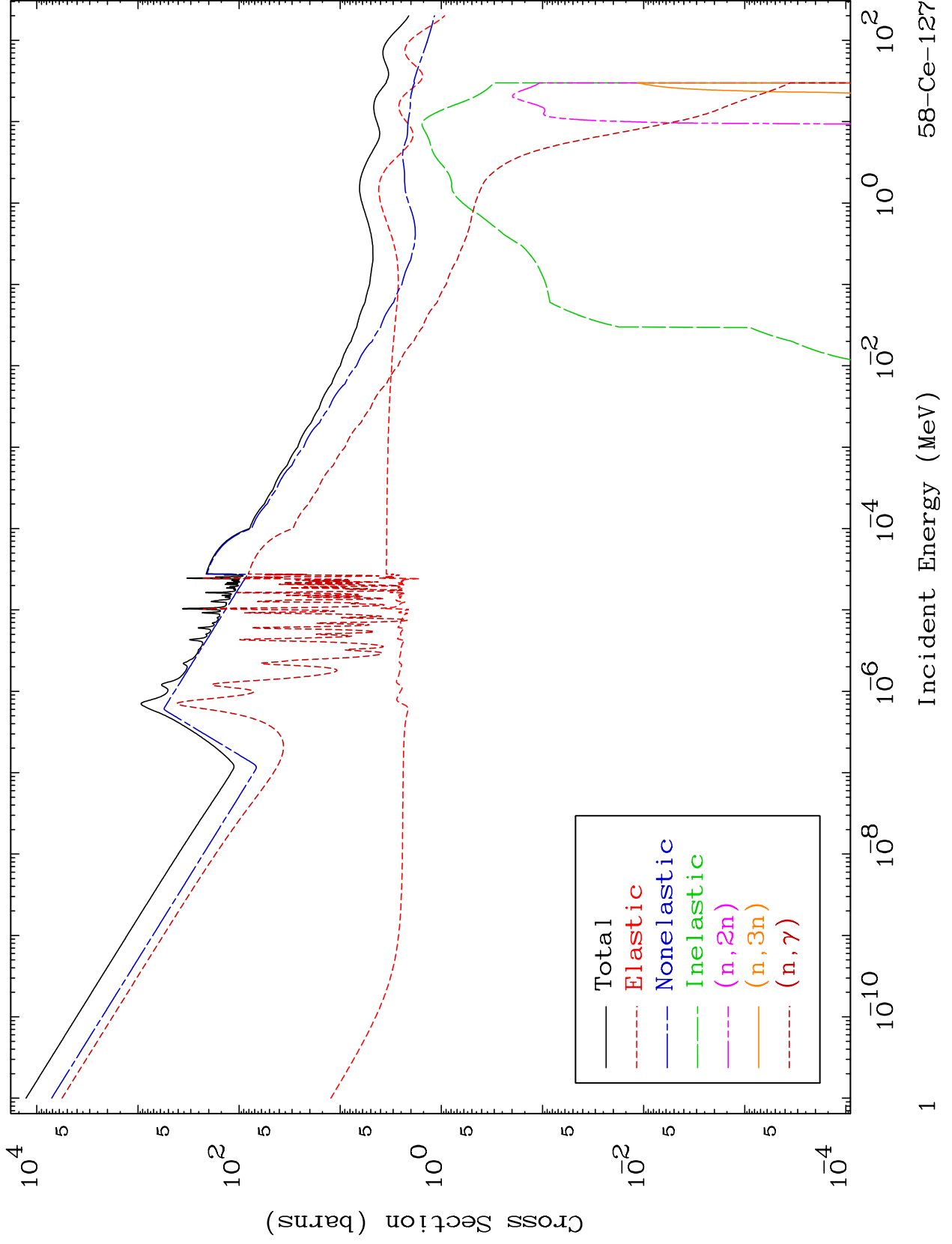
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5798

Neutron Major
293 Kelvin Cross Sections

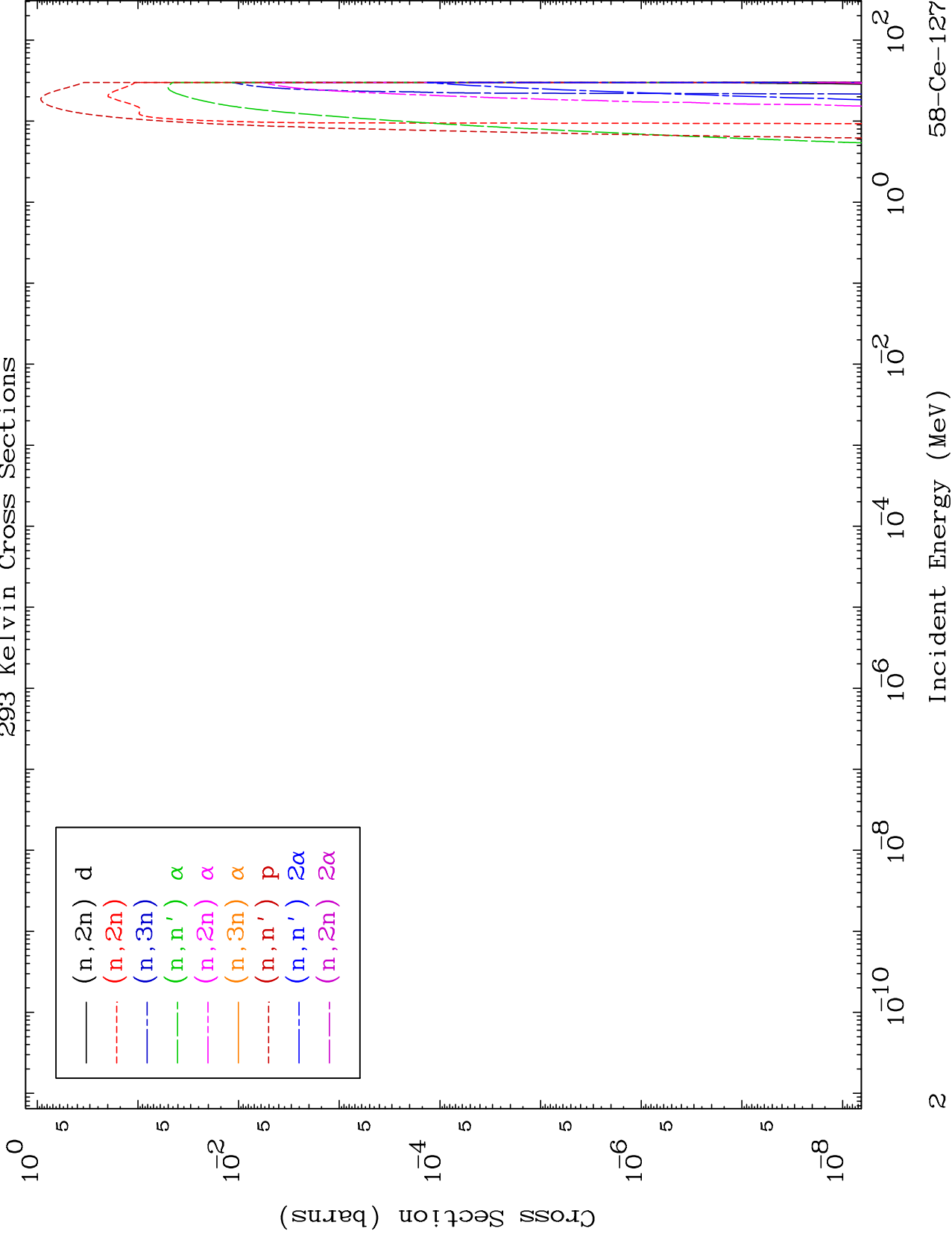
58-Ce-127



MAT 5798

Neutron Absorption
293 Kelvin Cross Sections

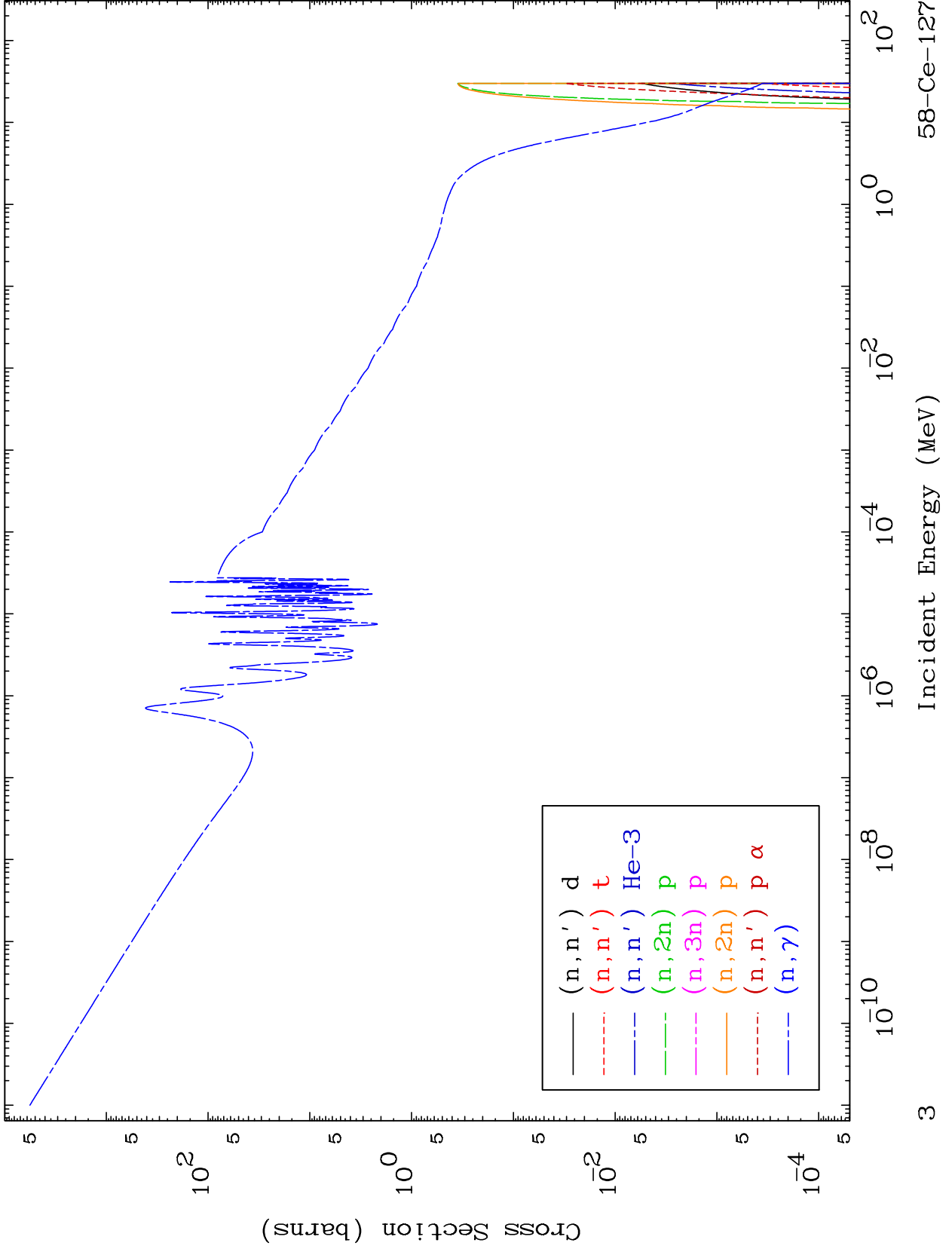
58-Ce-127



MAT 5798

Neutron Absorption
293 Kelvin Cross Sections

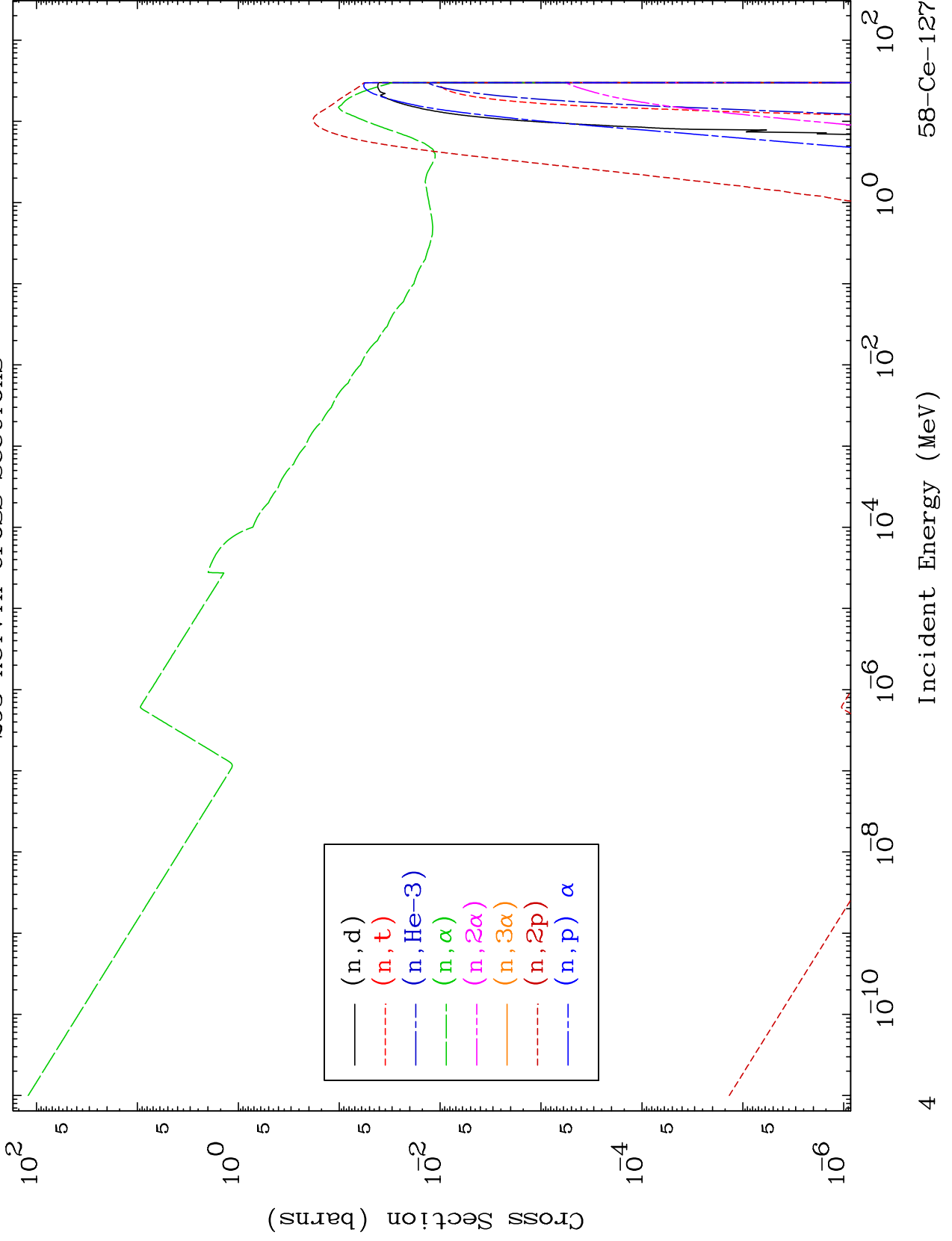
58-Ce-127

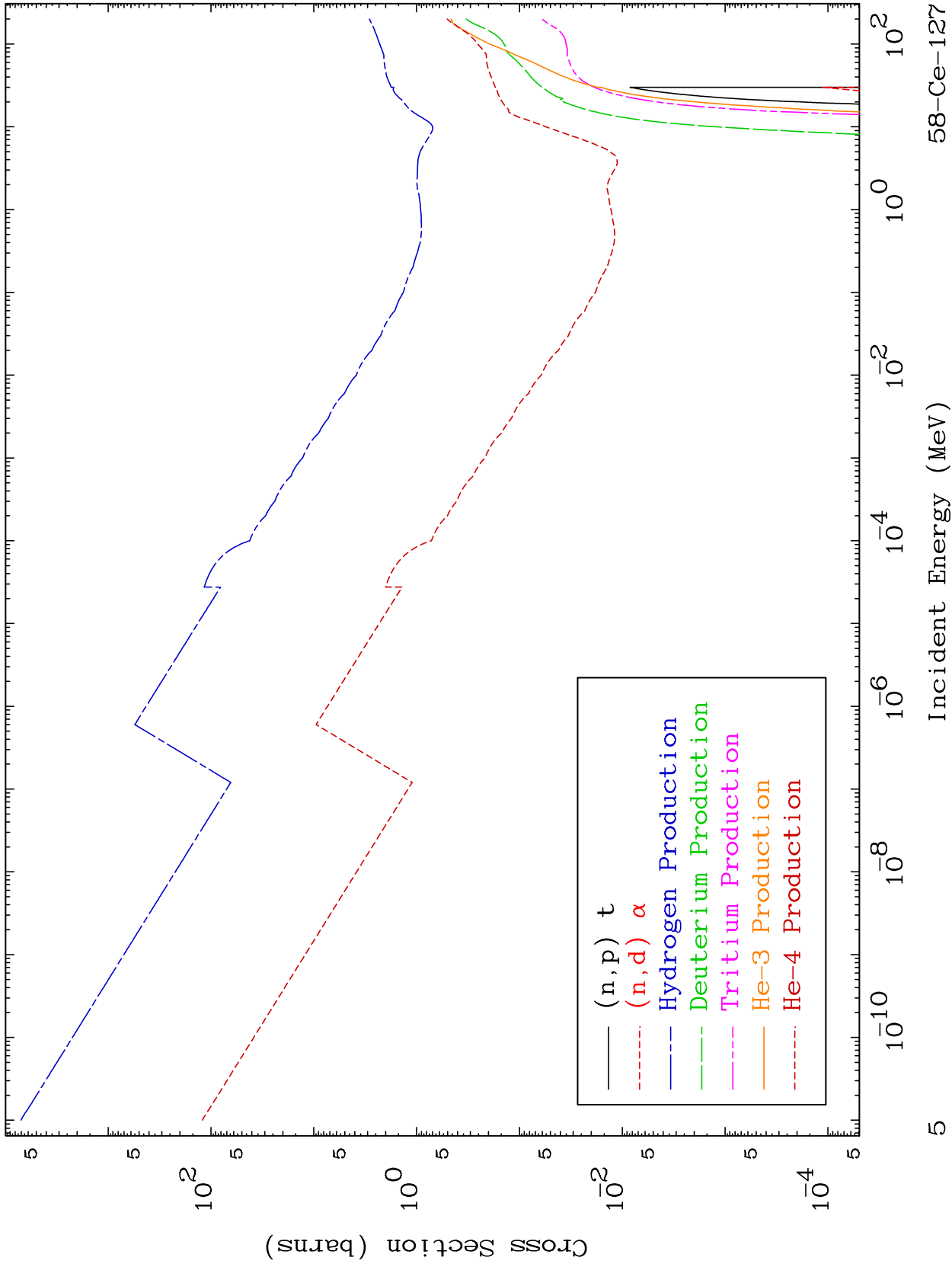


MAT 5798

Neutron Absorption
293 Kelvin Cross Sections

58-Ce-127

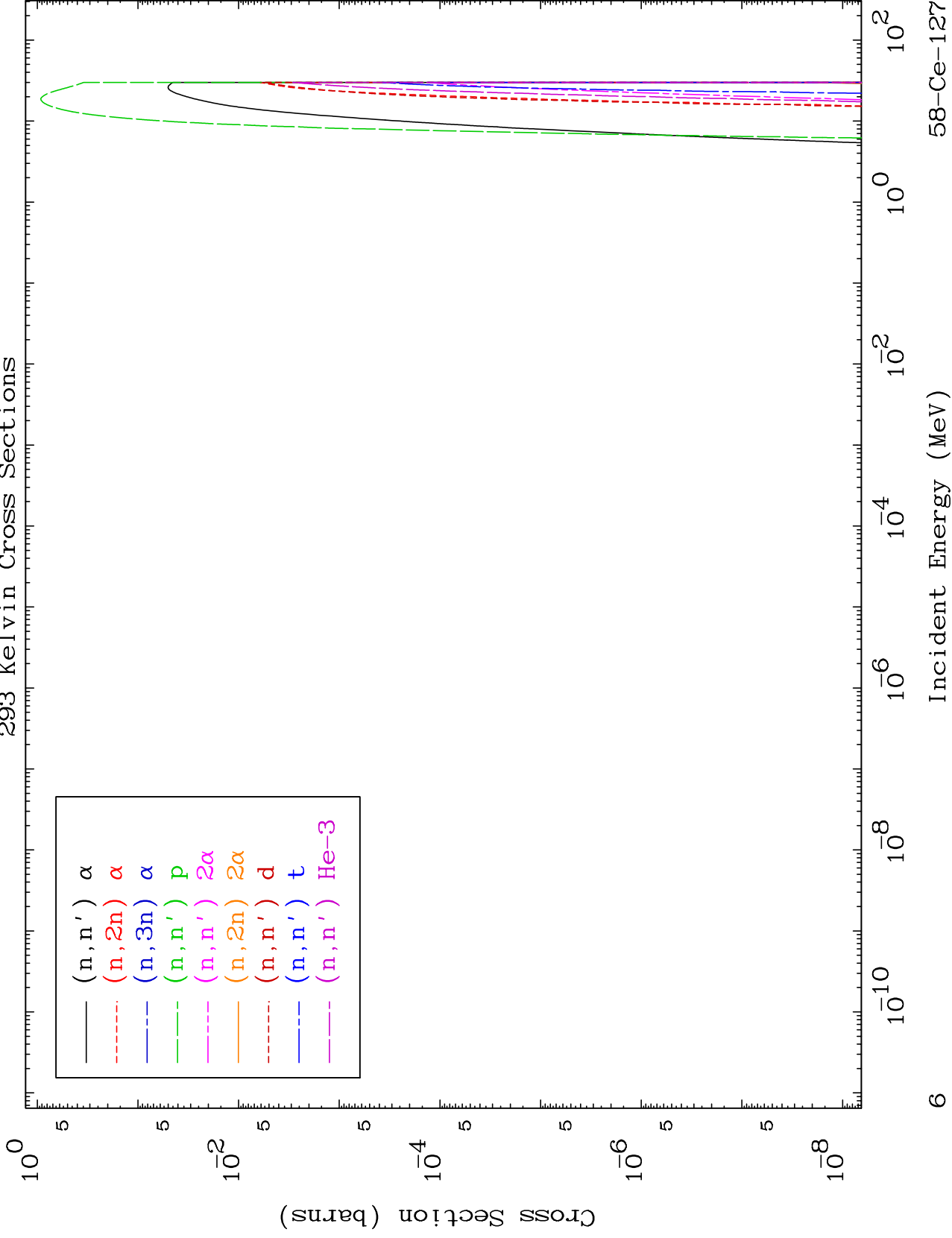




MAT 5798

Charged Particle
293 Kelvin Cross Sections

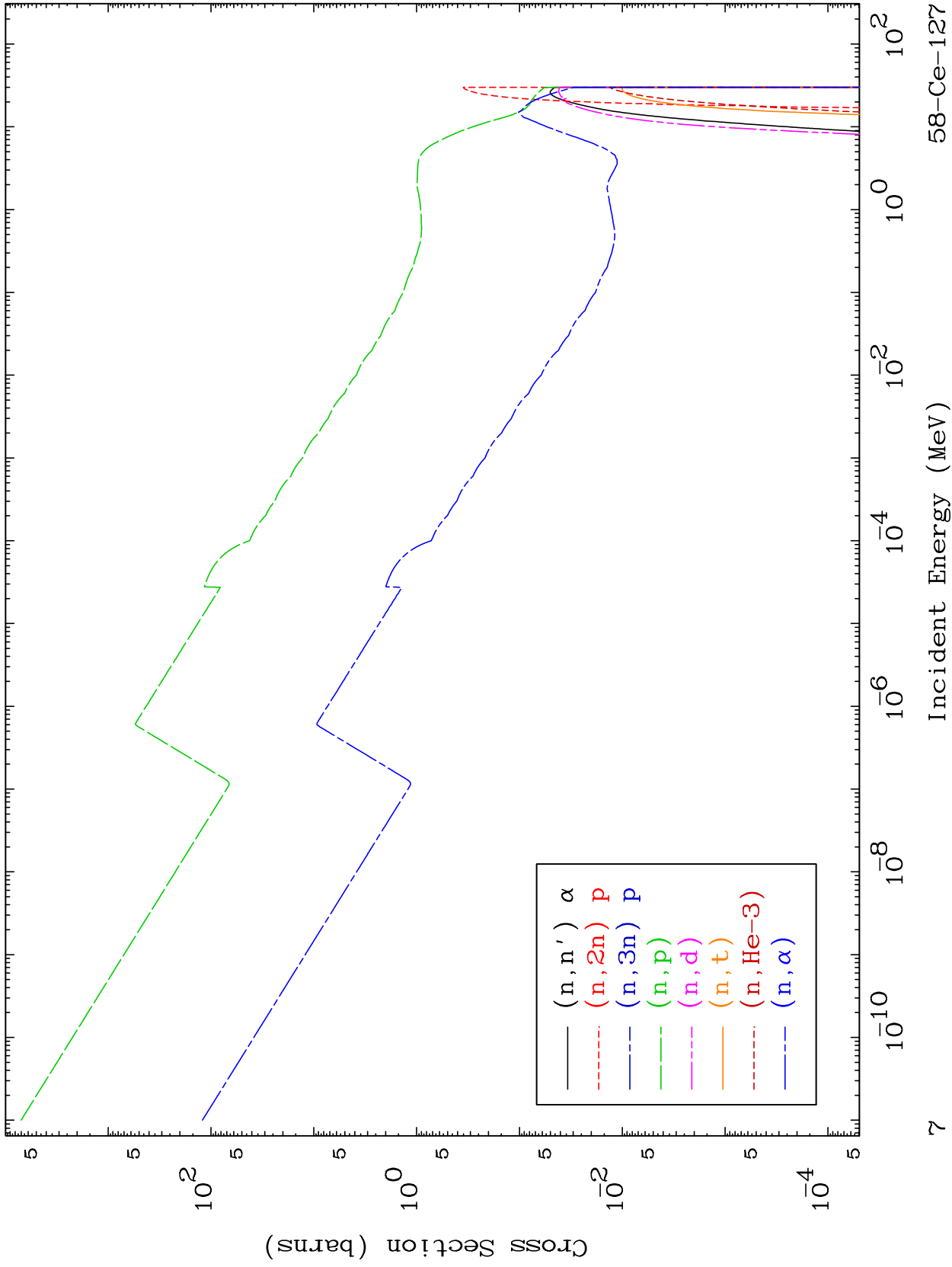
58-Ce-127



MAT 5798

Charged Particle
293 Kelvin Cross Sections

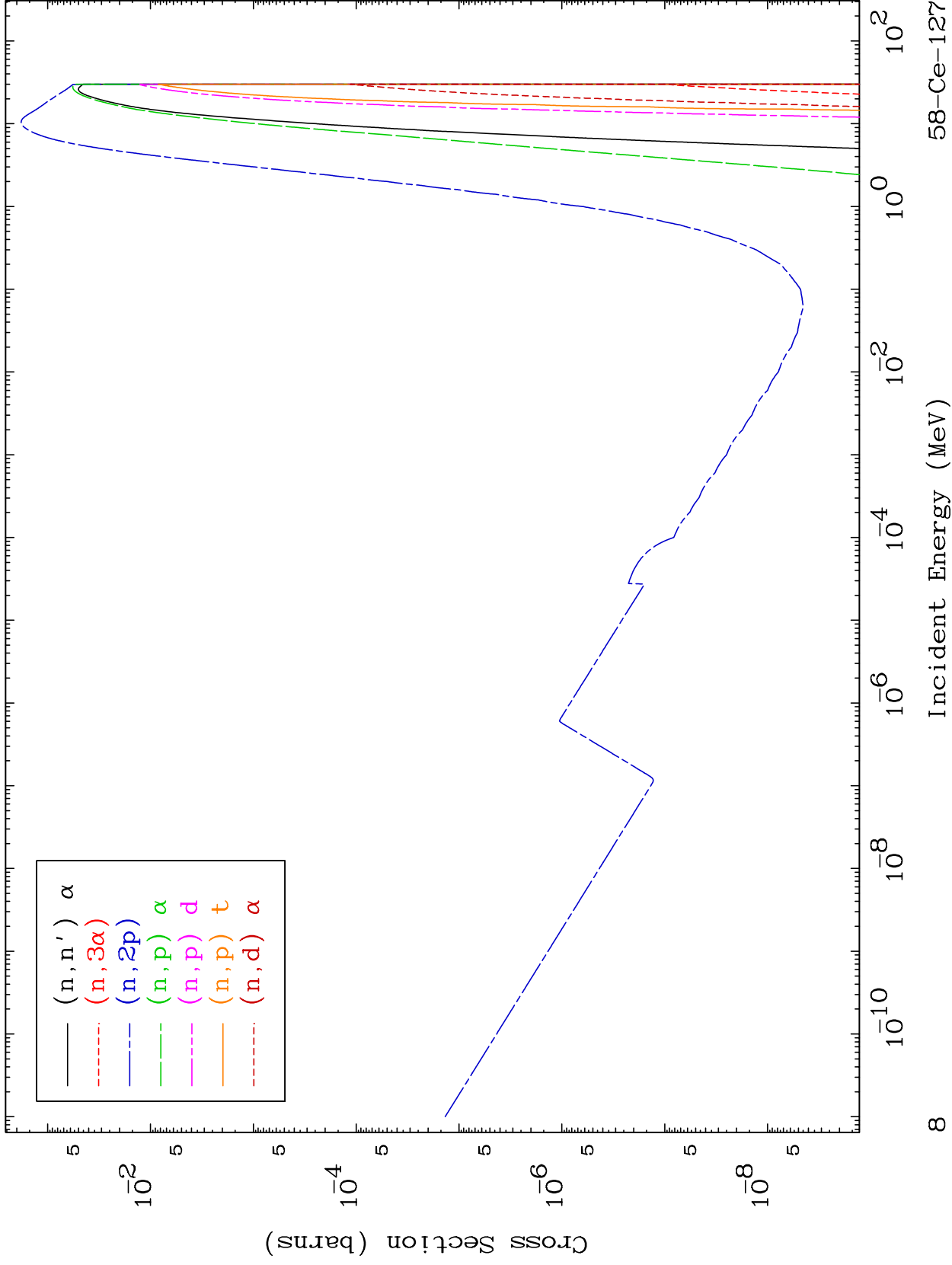
58-Ce-127

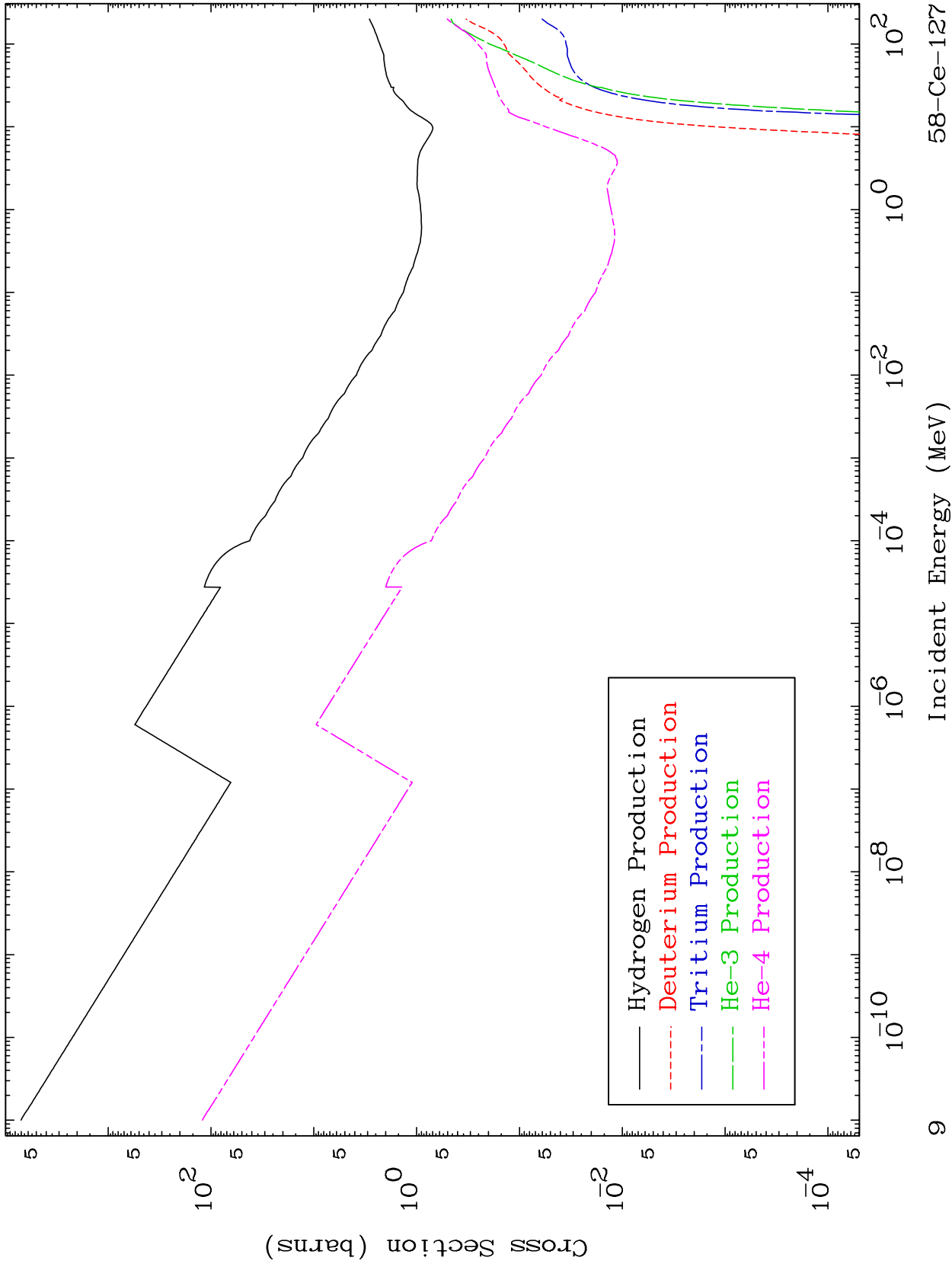


MAT 5798

Charged Particle
293 Kelvin Cross Sections

58-Ce-127

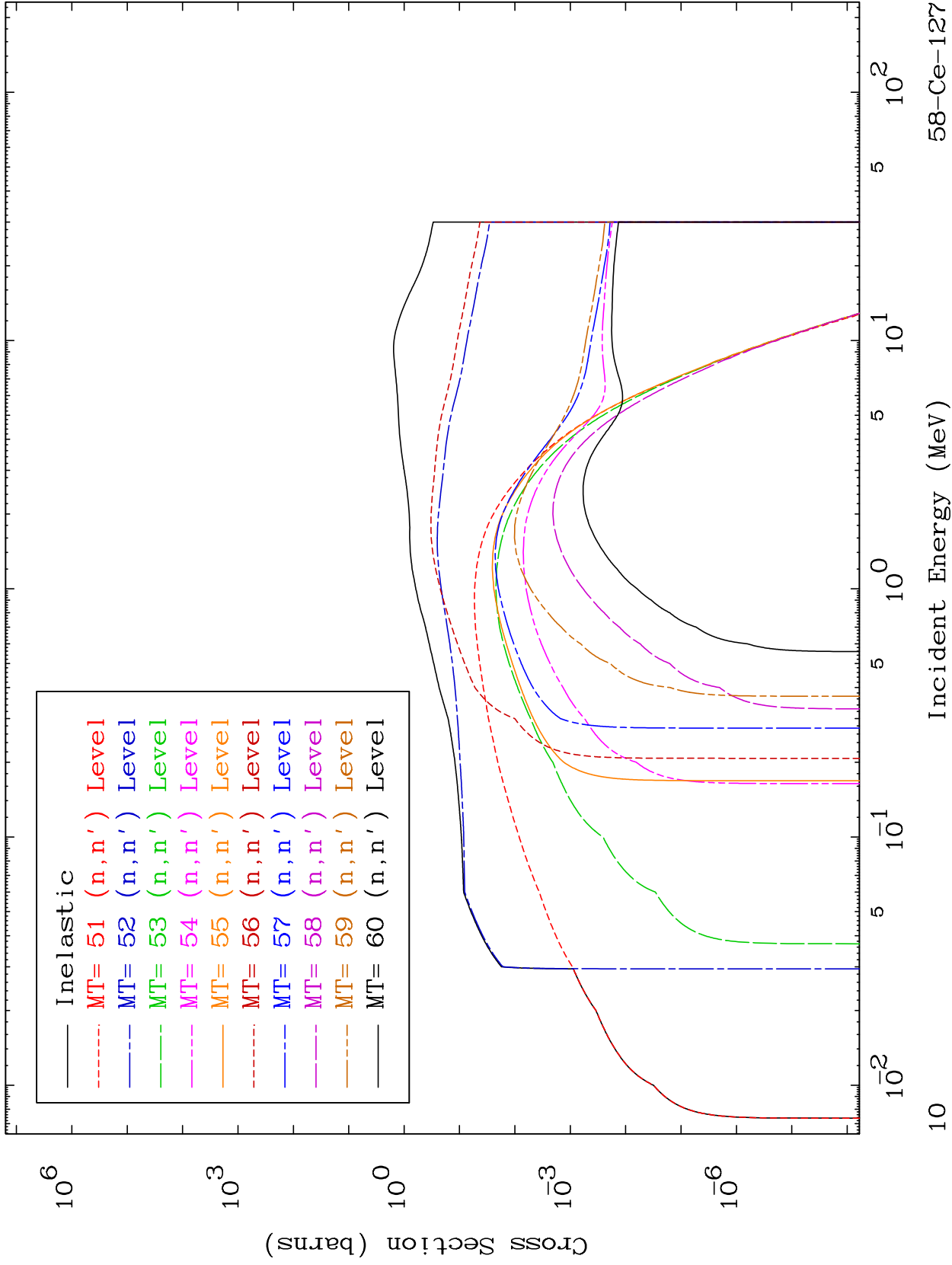




MAT 5798

(n,n') Levels
293 Kelvin Cross Sections

58-Ce-127

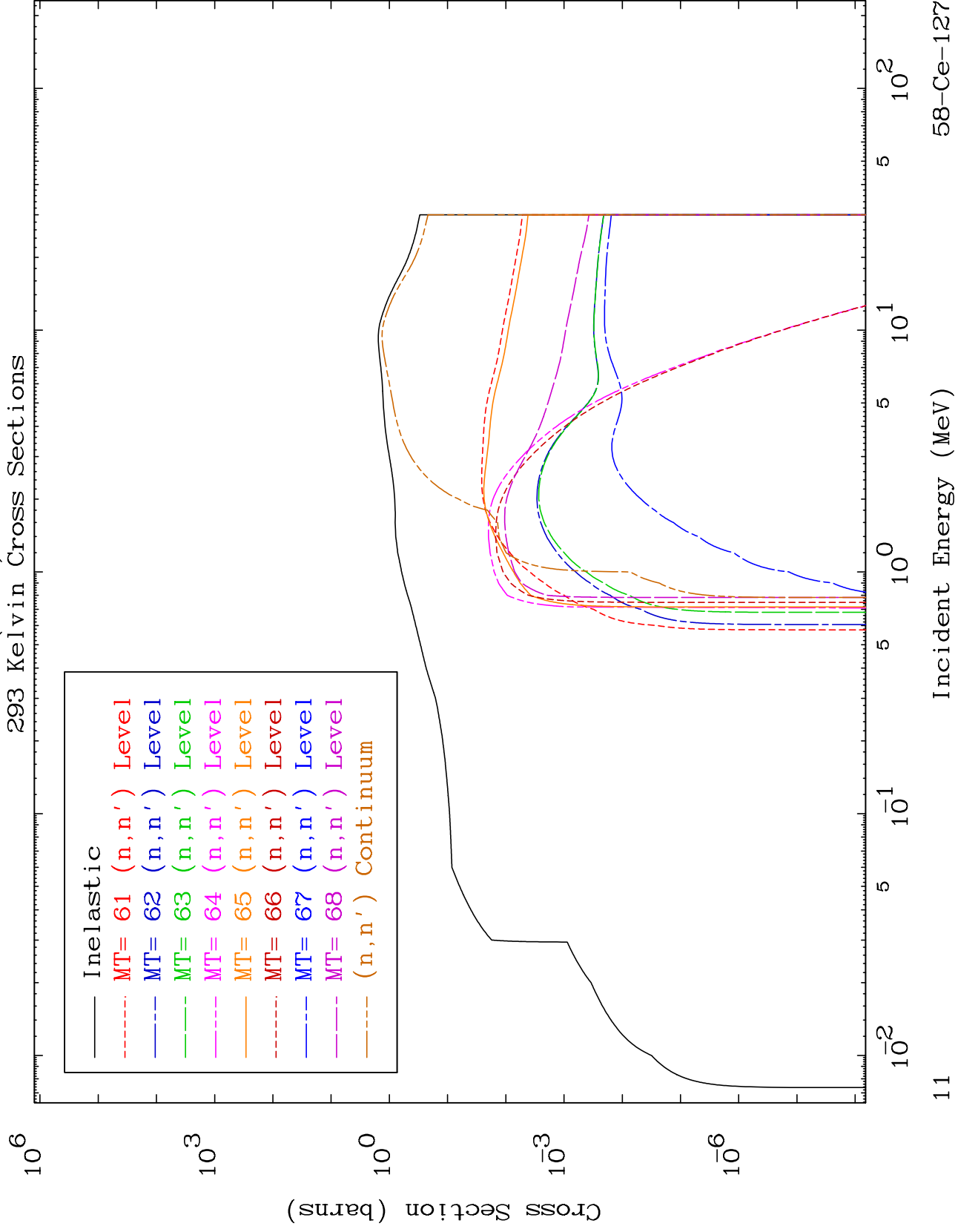


58-Ce-127

MAT 5798

(n,n') Levels
293 Kelvin Cross Sections

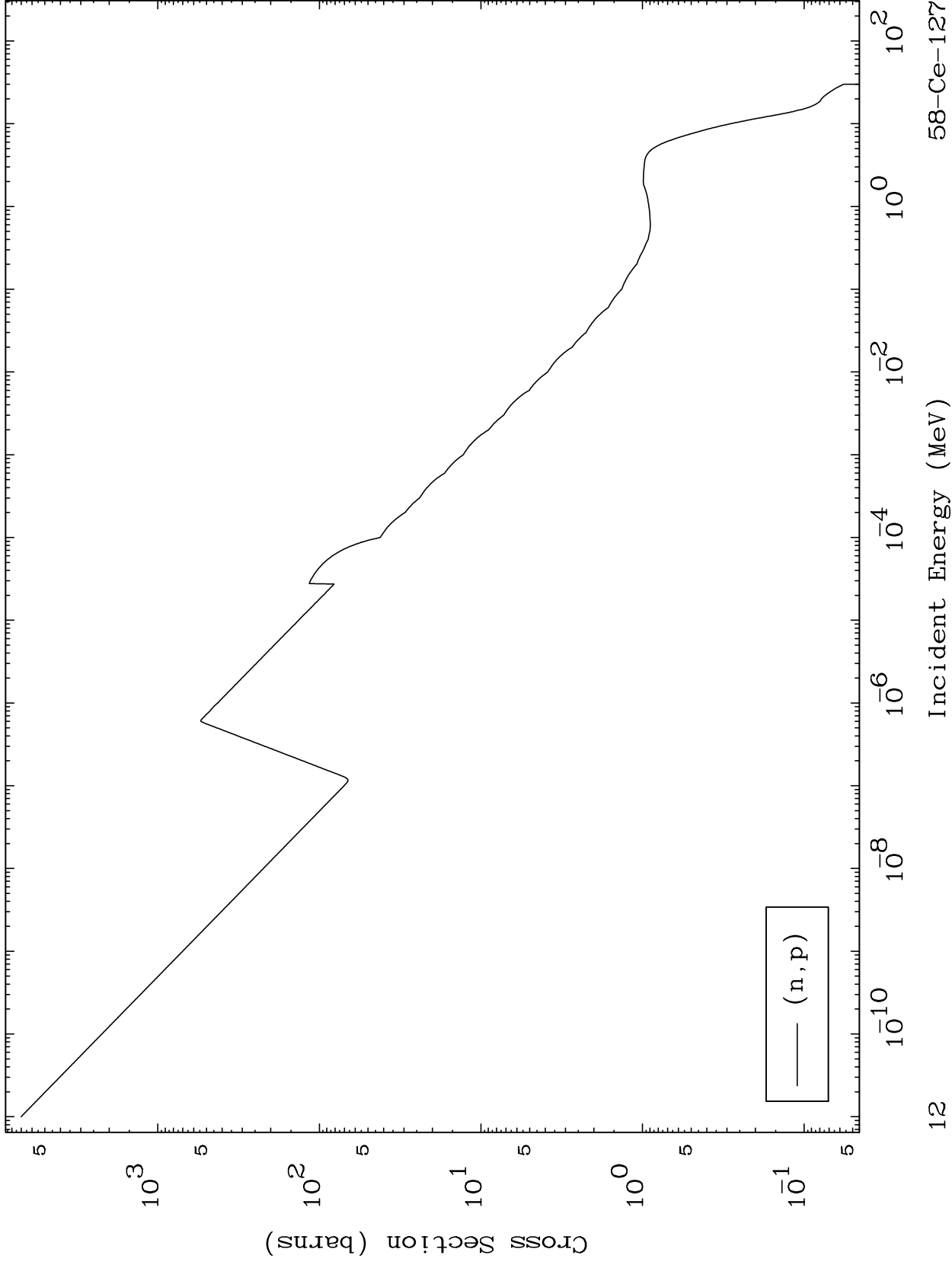
58-Ce-127



MAT 5798

(n,p) Levels
293 Kelvin Cross Sections

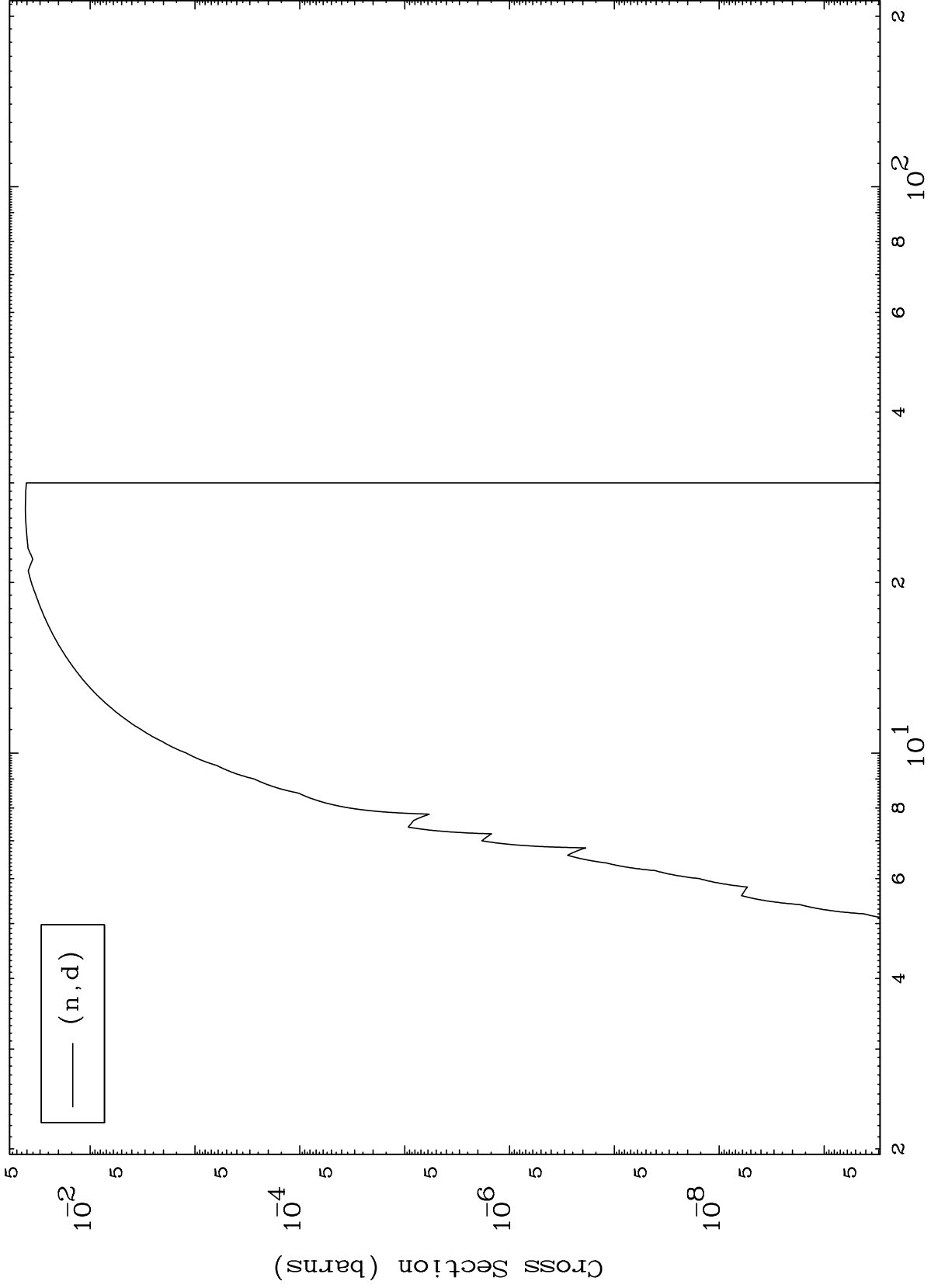
58-Ce-127



MAT 5798

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-127



13

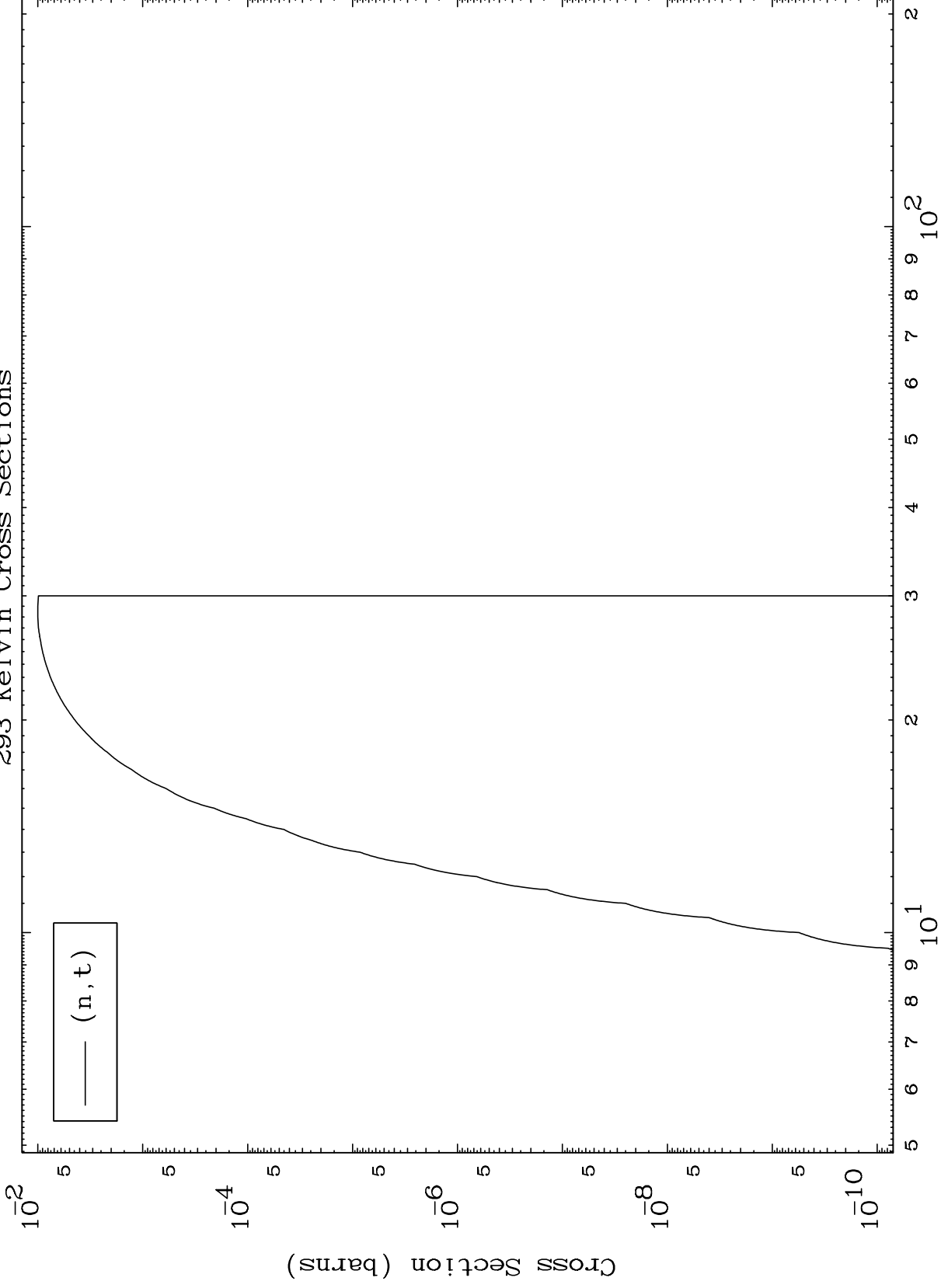
Incident Energy (MeV)

58-Ce-127

MAT 5798

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-127



14

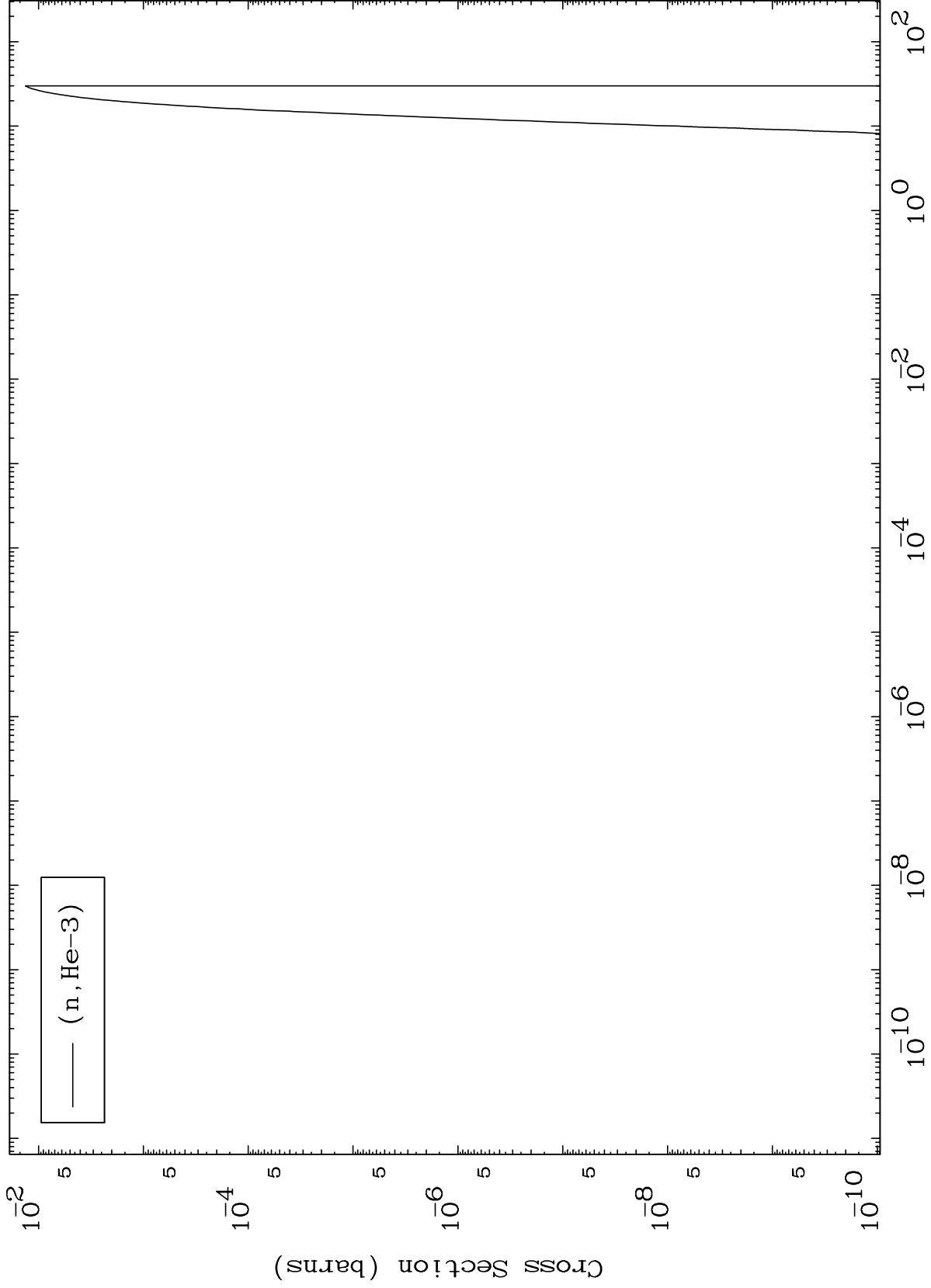
Incident Energy (MeV)

58-Ce-127

MAT 5798

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-127



15

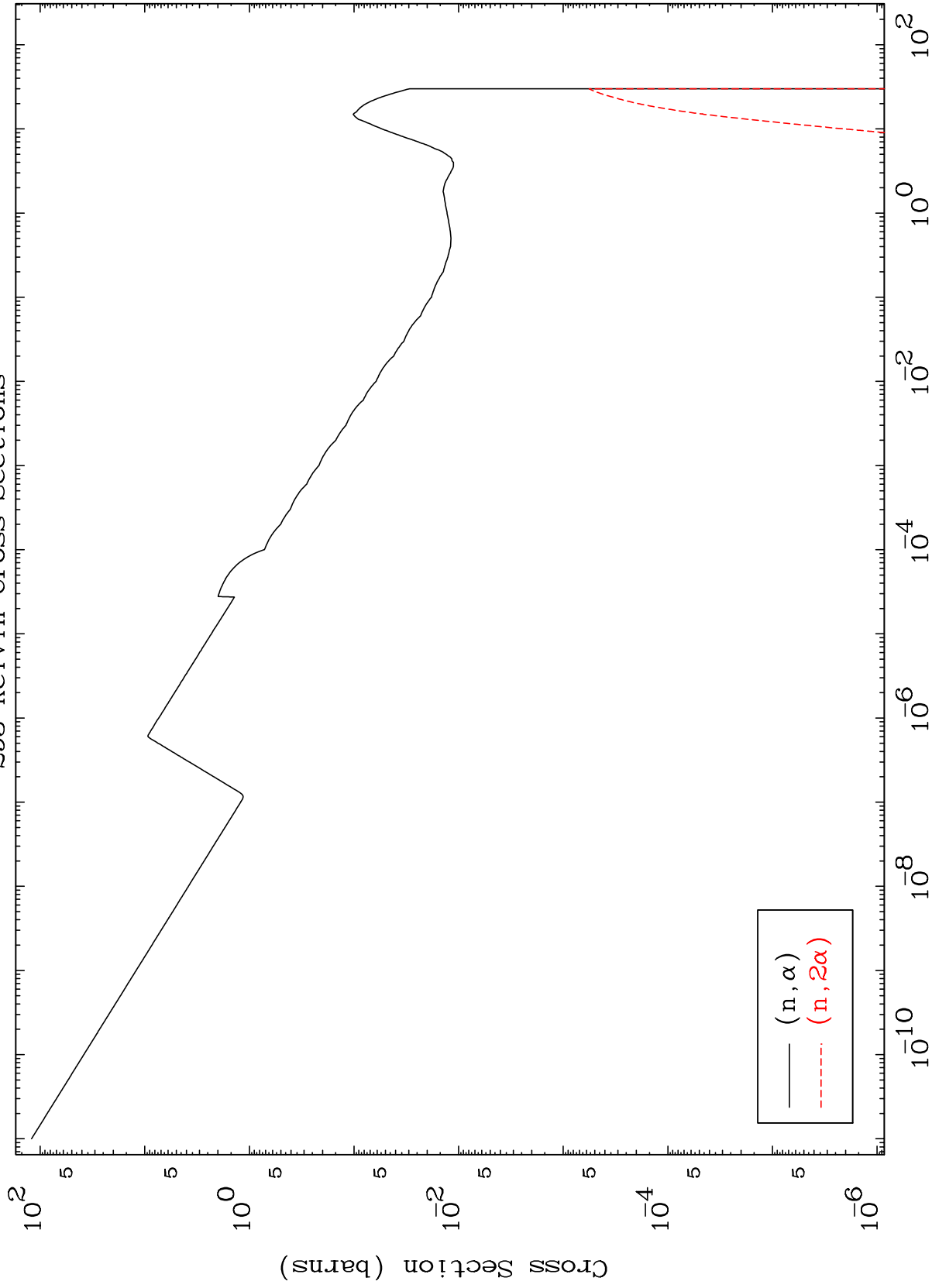
Incident Energy (MeV)

58-Ce-127

MAT 5798

(n,α) Levels
293 Kelvin Cross Sections

58-Ce-127



16

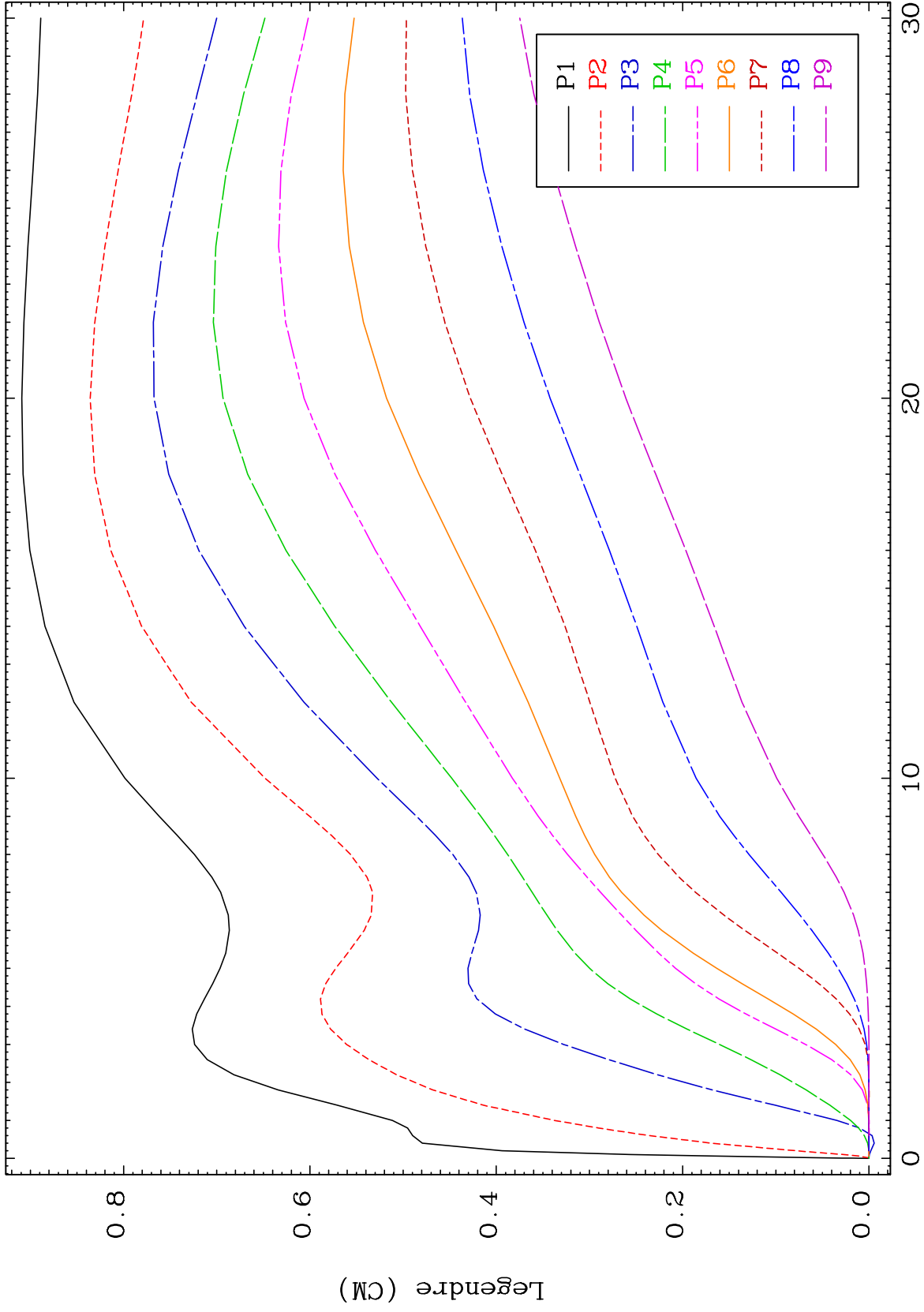
Incident Energy (MeV)

58-Ce-127

MAT 5798

Elastic Legendre Coefficients

58-Ce-127



17

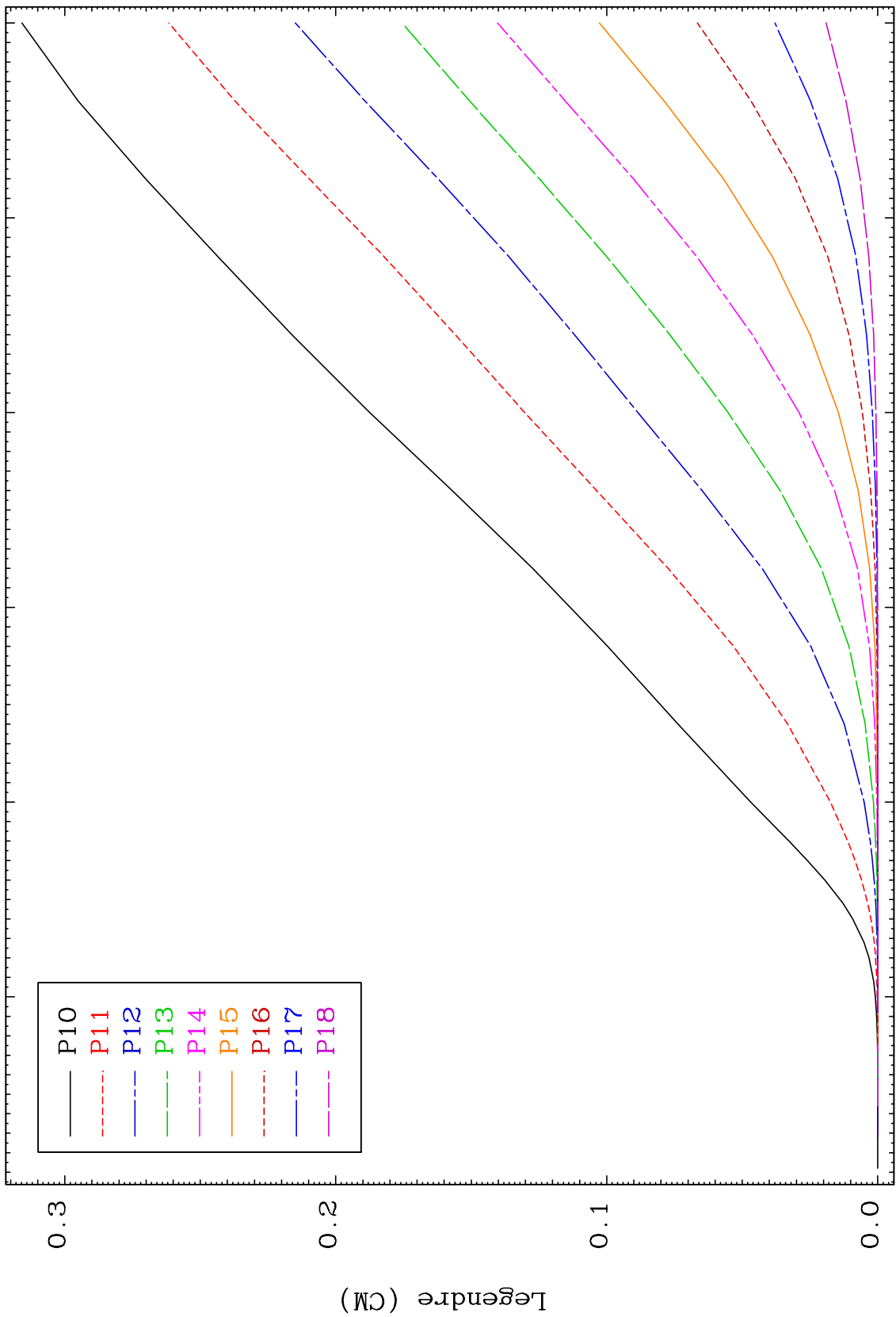
Incident Energy (MeV)

58-Ce-127

MAT 5798

Elastic Legendre Coefficients

58-Ce-127



18

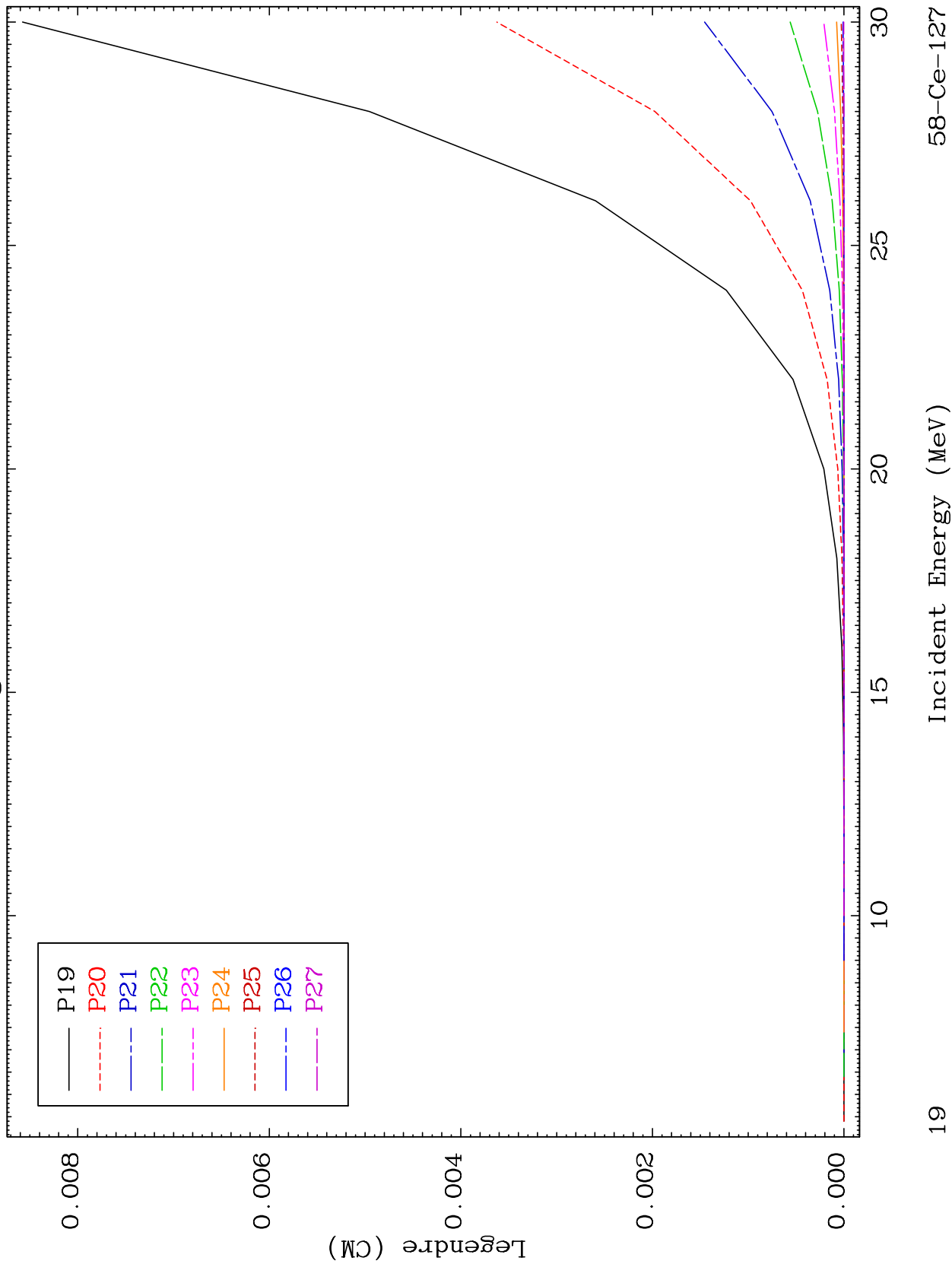
Incident Energy (MeV)

58-Ce-127

MAT 5798

Elastic Legendre Coefficients

58-Ce-127



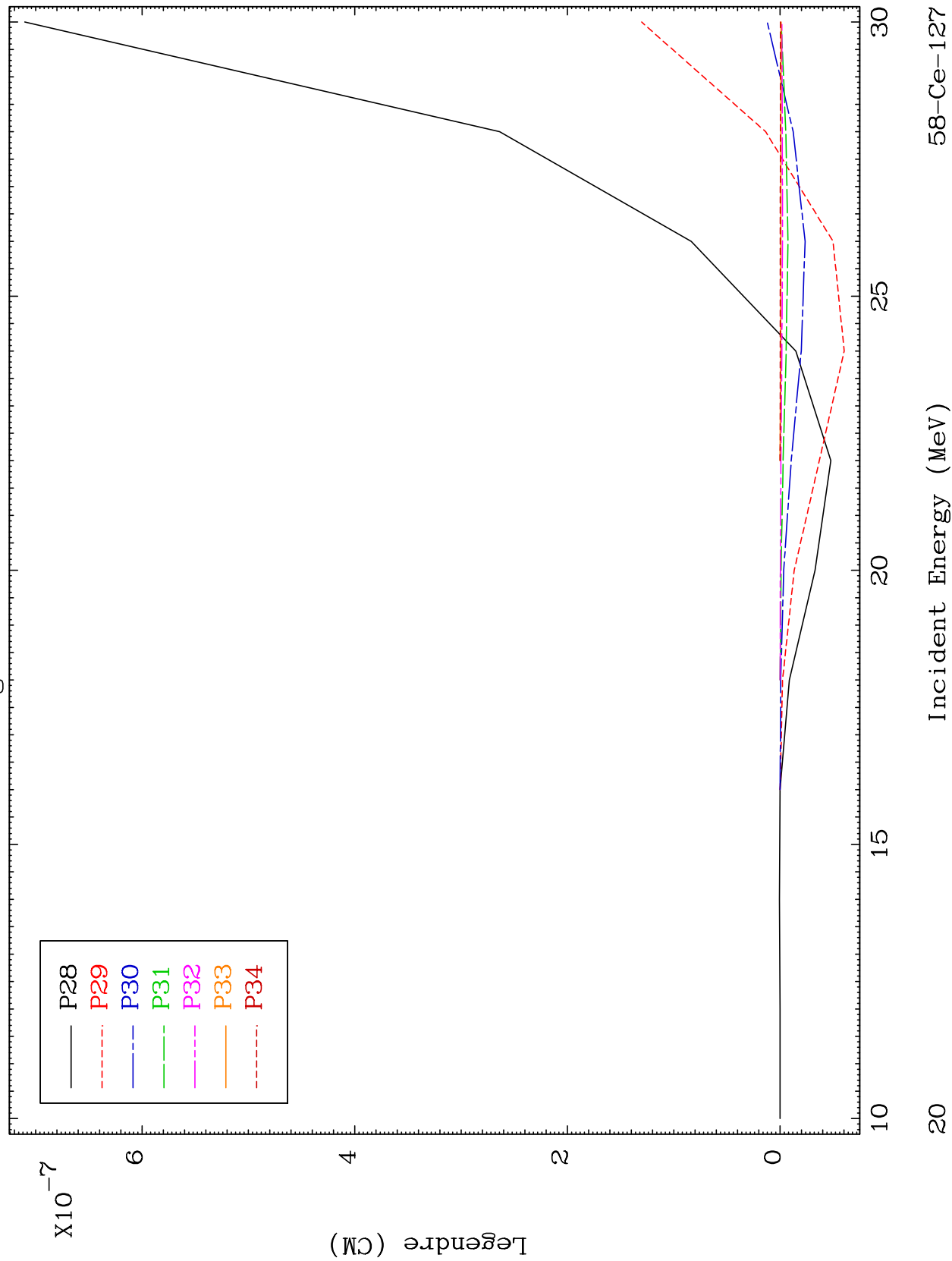
19

58-Ce-127

MAT 5798

Elastic Legendre Coefficients

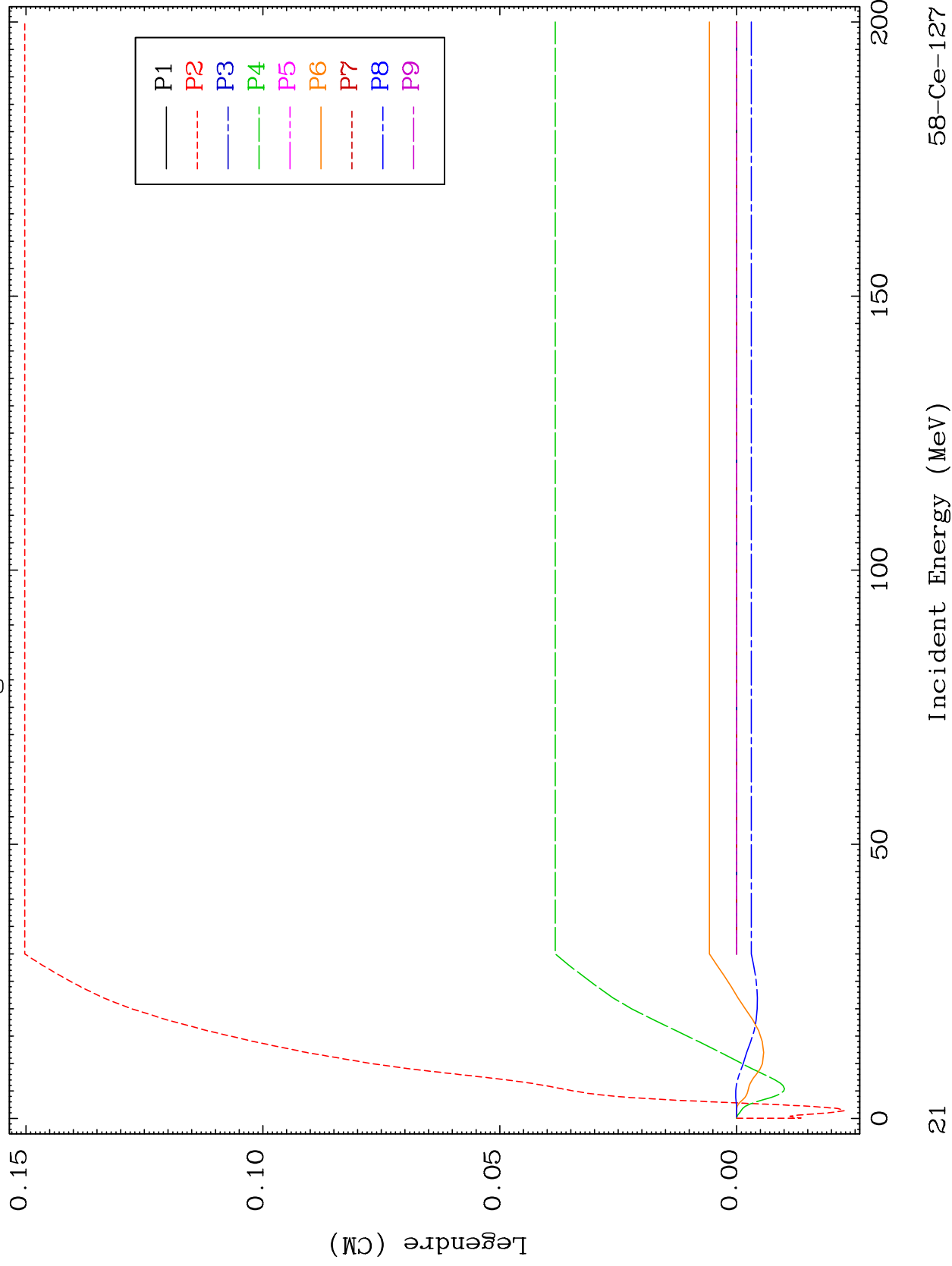
58-Ce-127



MAT 5798

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

58-Ce-127



58-Ce-127

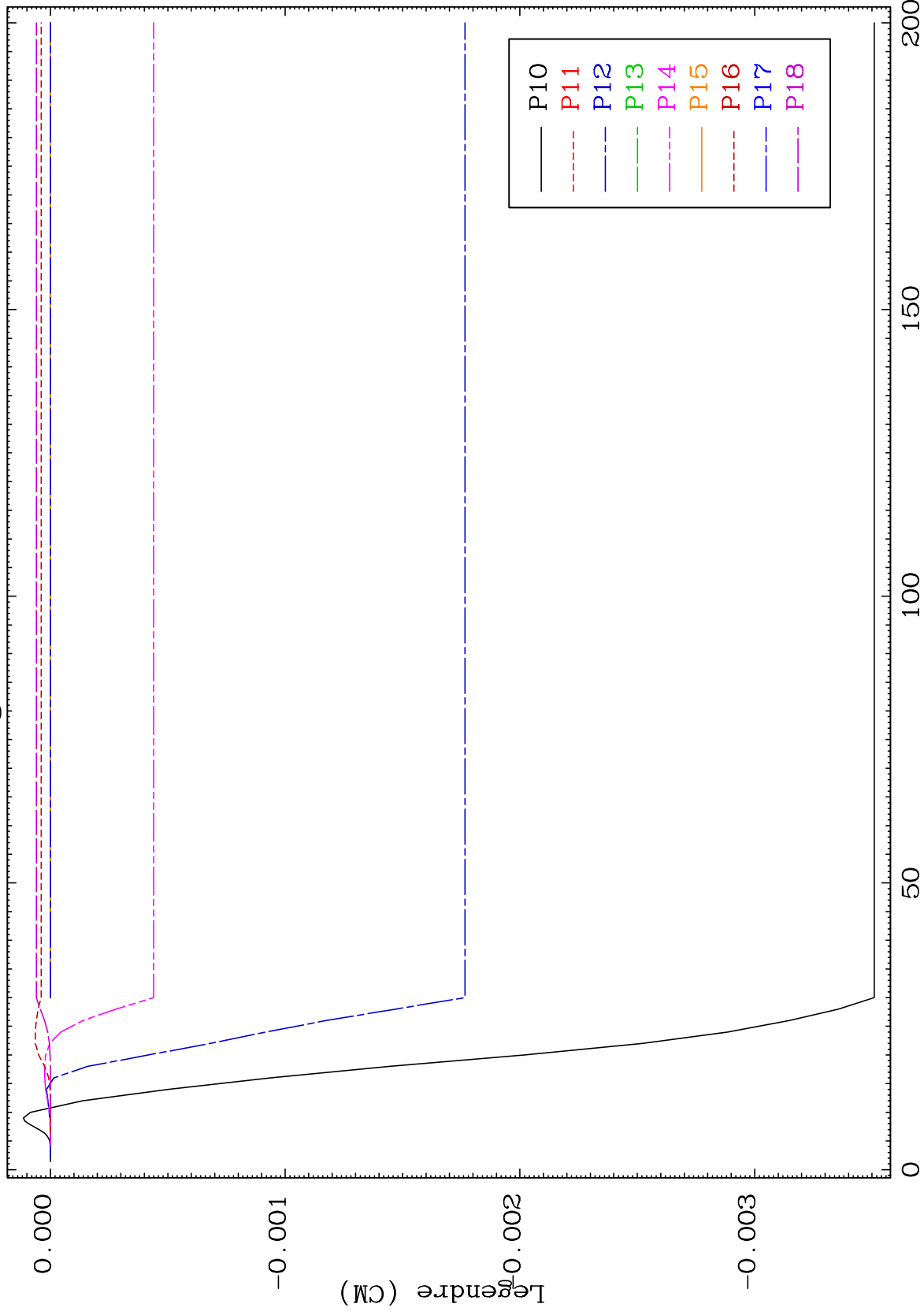
Incident Energy (MeV)

21

MAT 5798

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

58-Ce-127



22

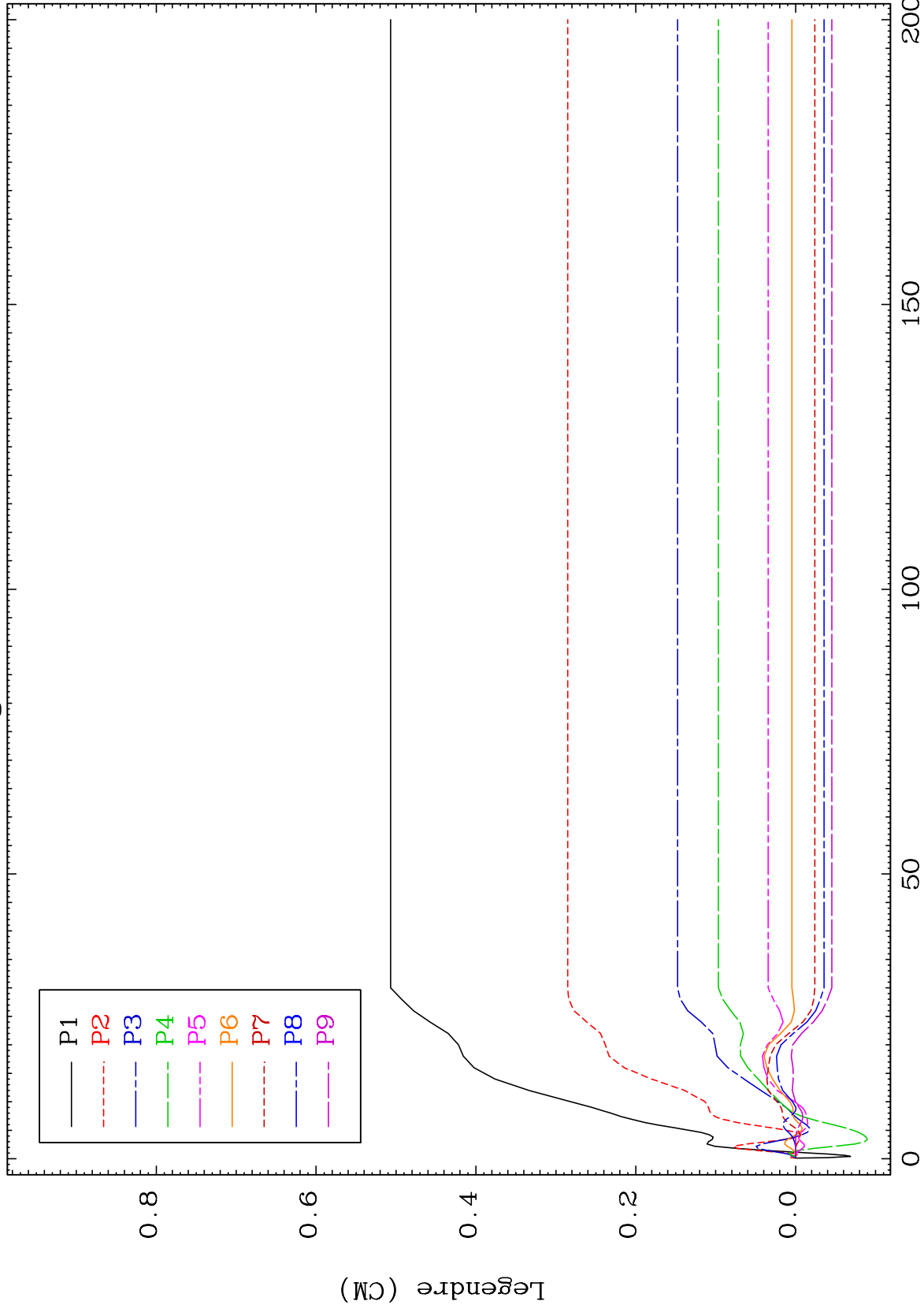
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



24

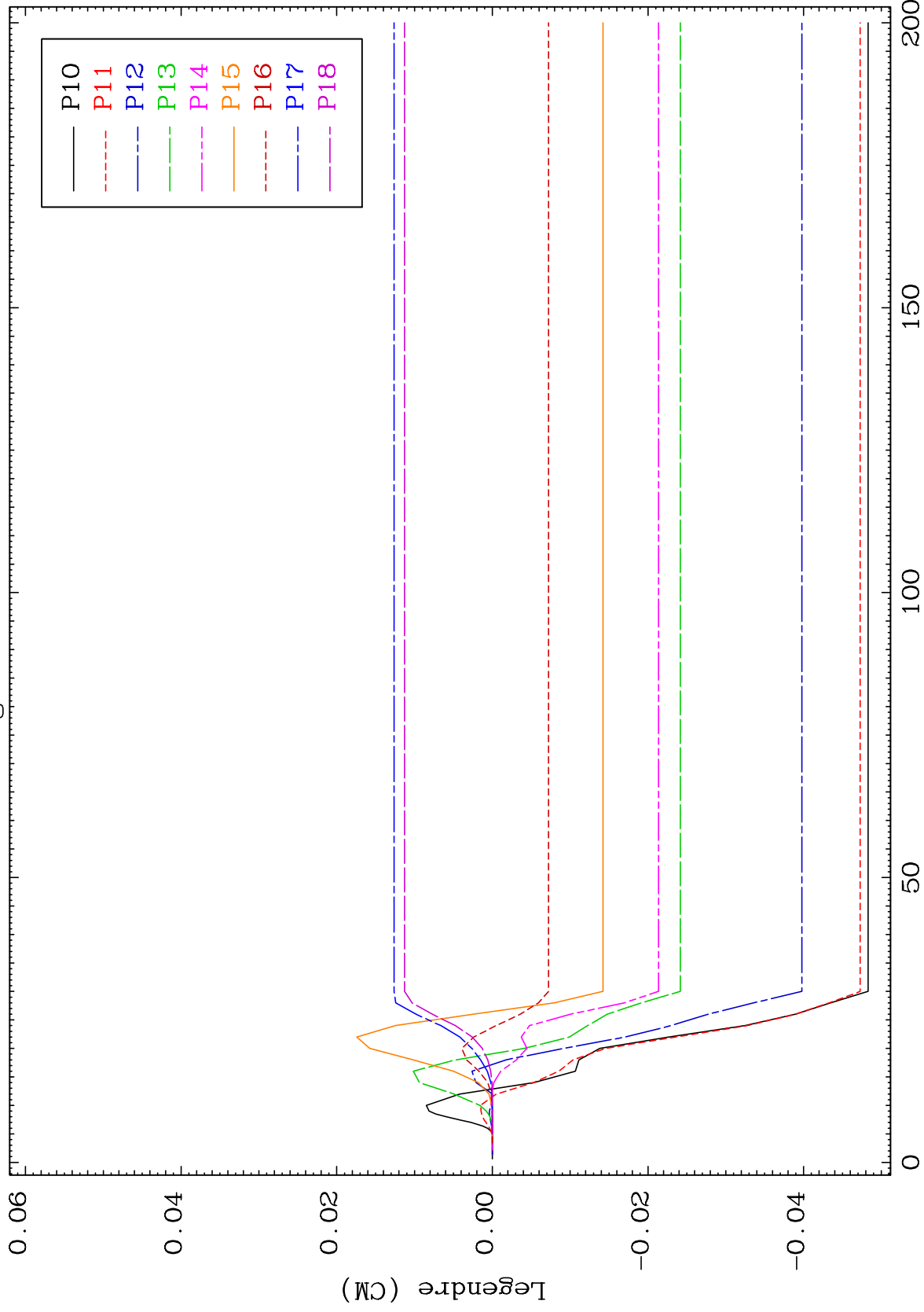
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

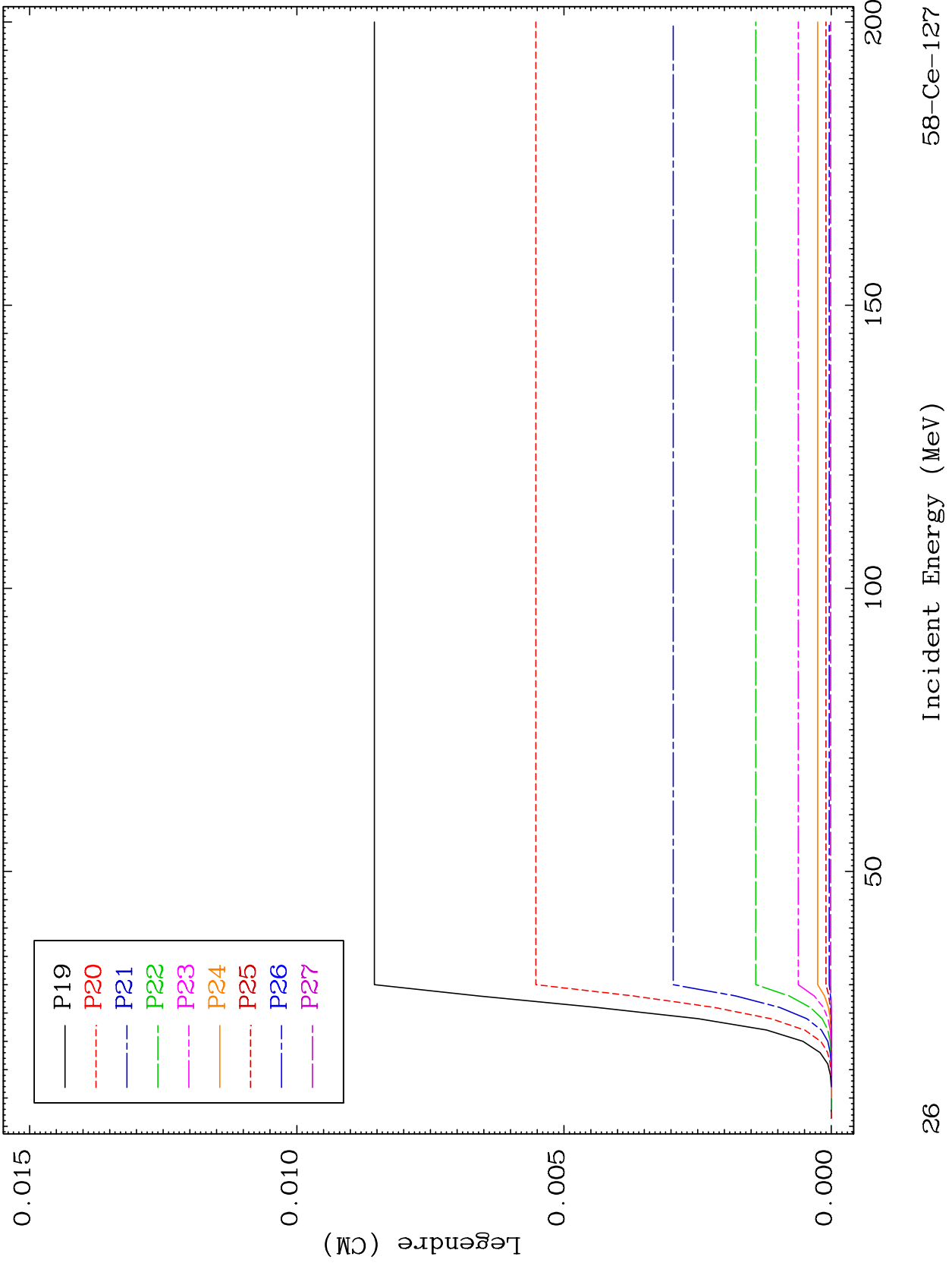
58-Ce-127



58-Ce-127

Incident Energy (MeV)

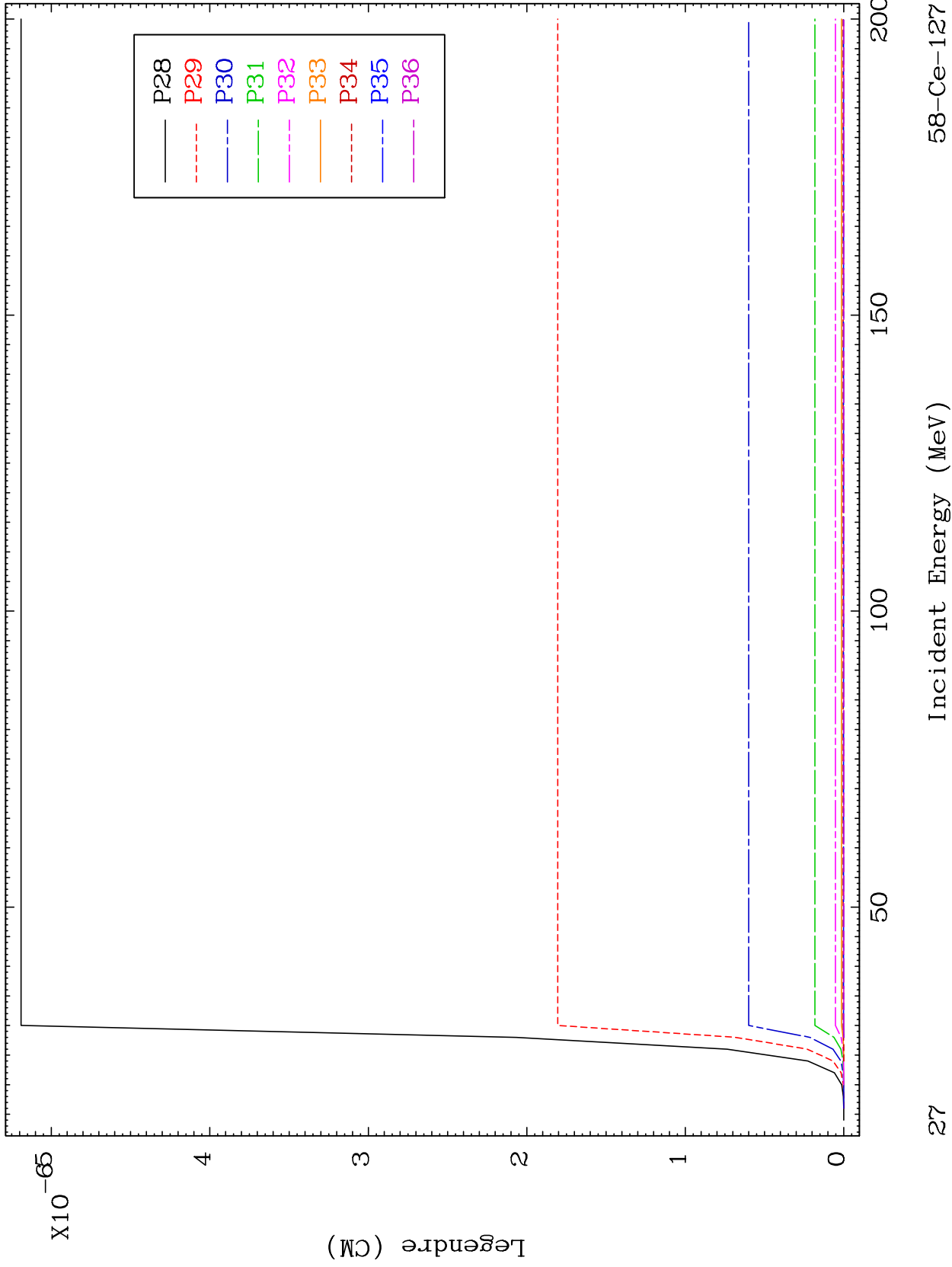
25

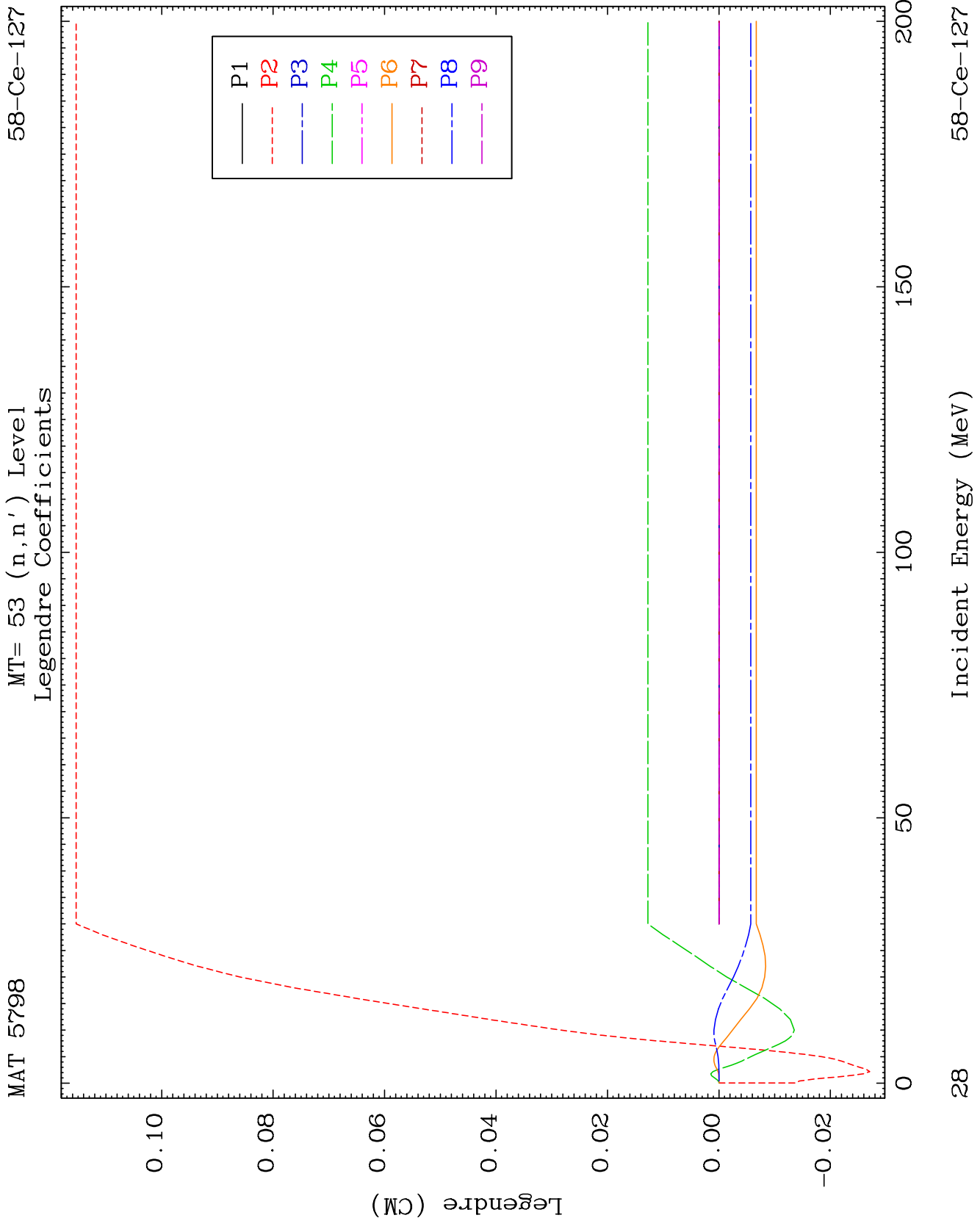


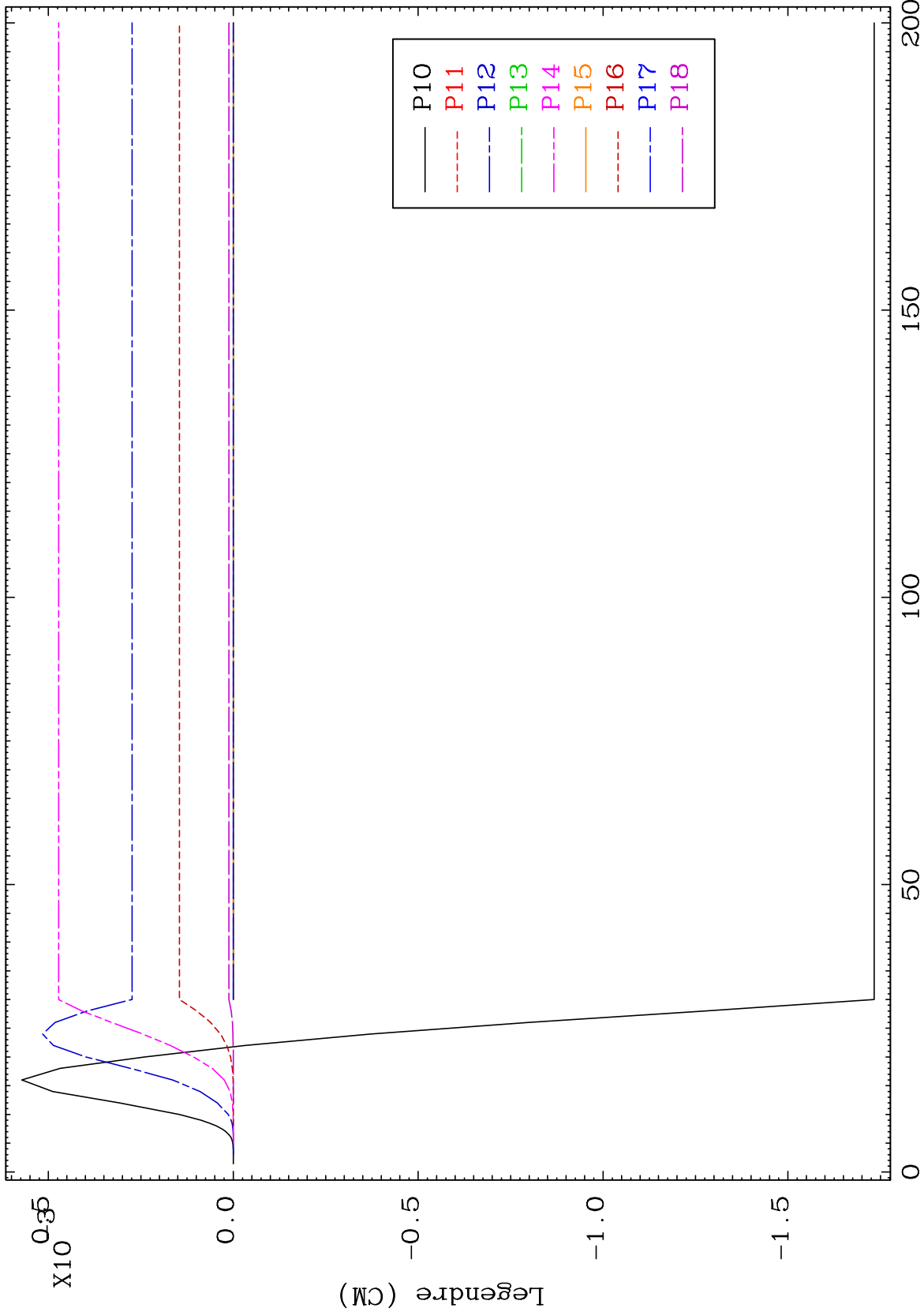
MAT 5798

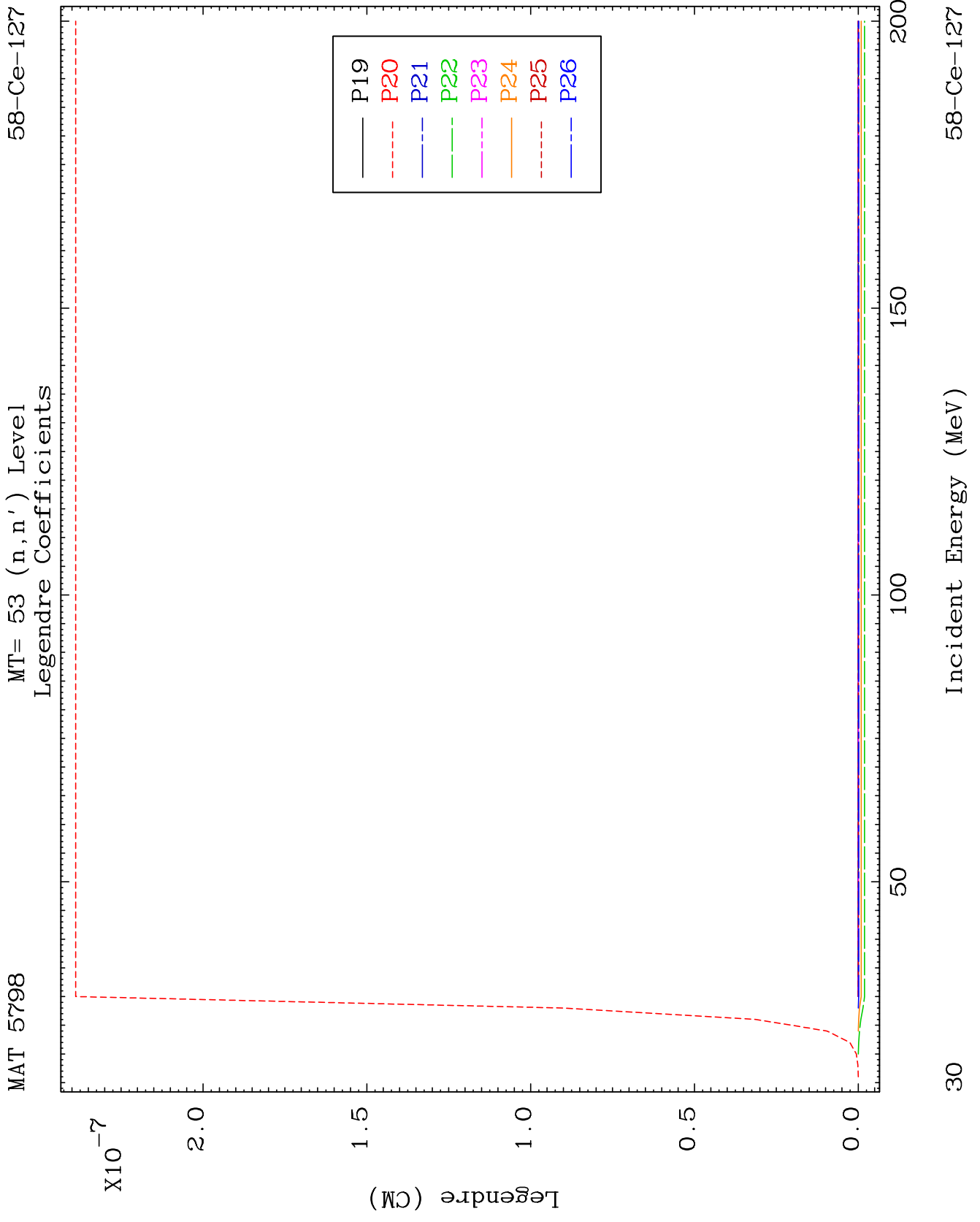
MT= 52 (n,n') Level
Legendre Coefficients

58-Ce-127





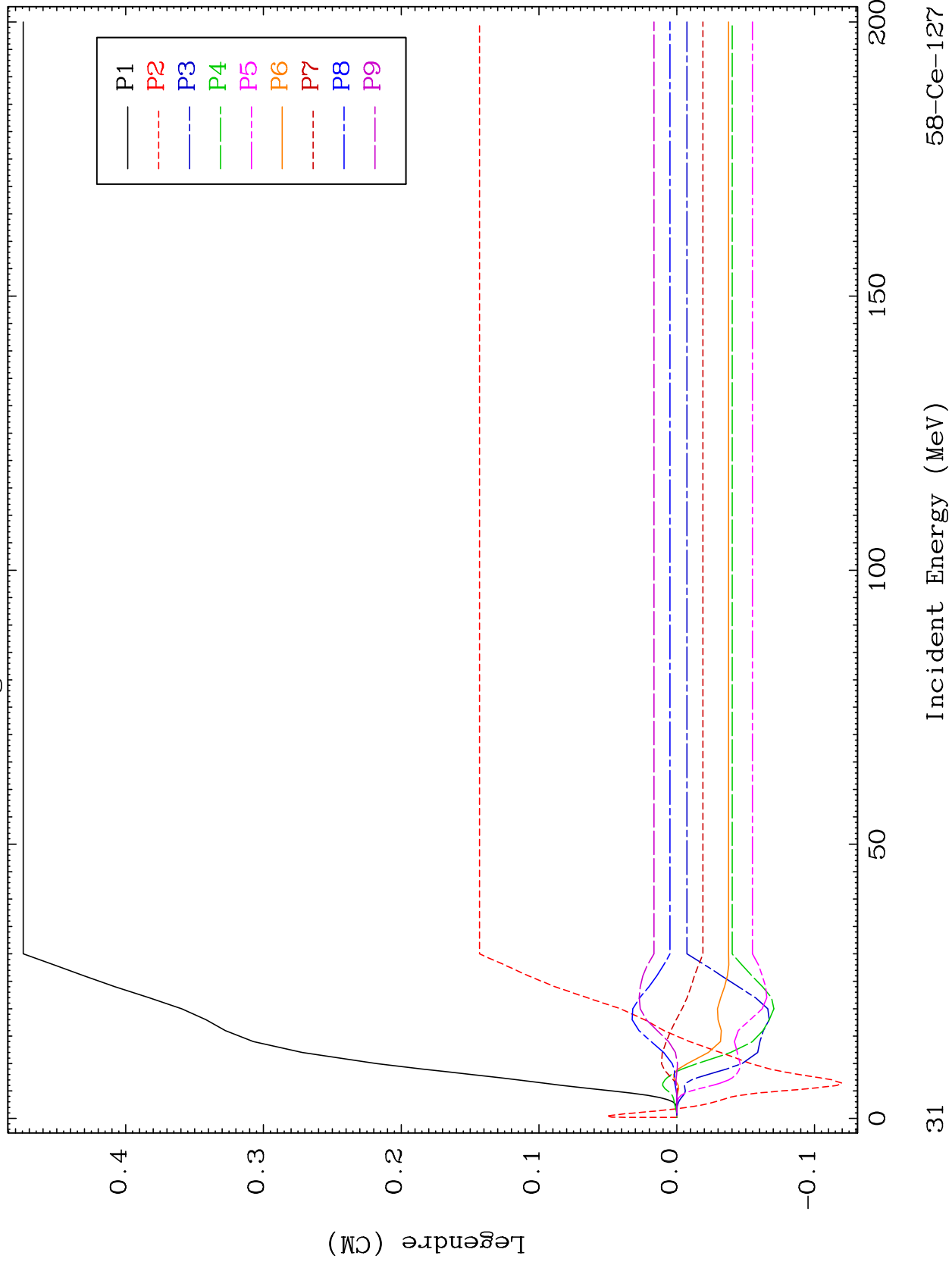




MAT 5798

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

58-Ce-127



58-Ce-127

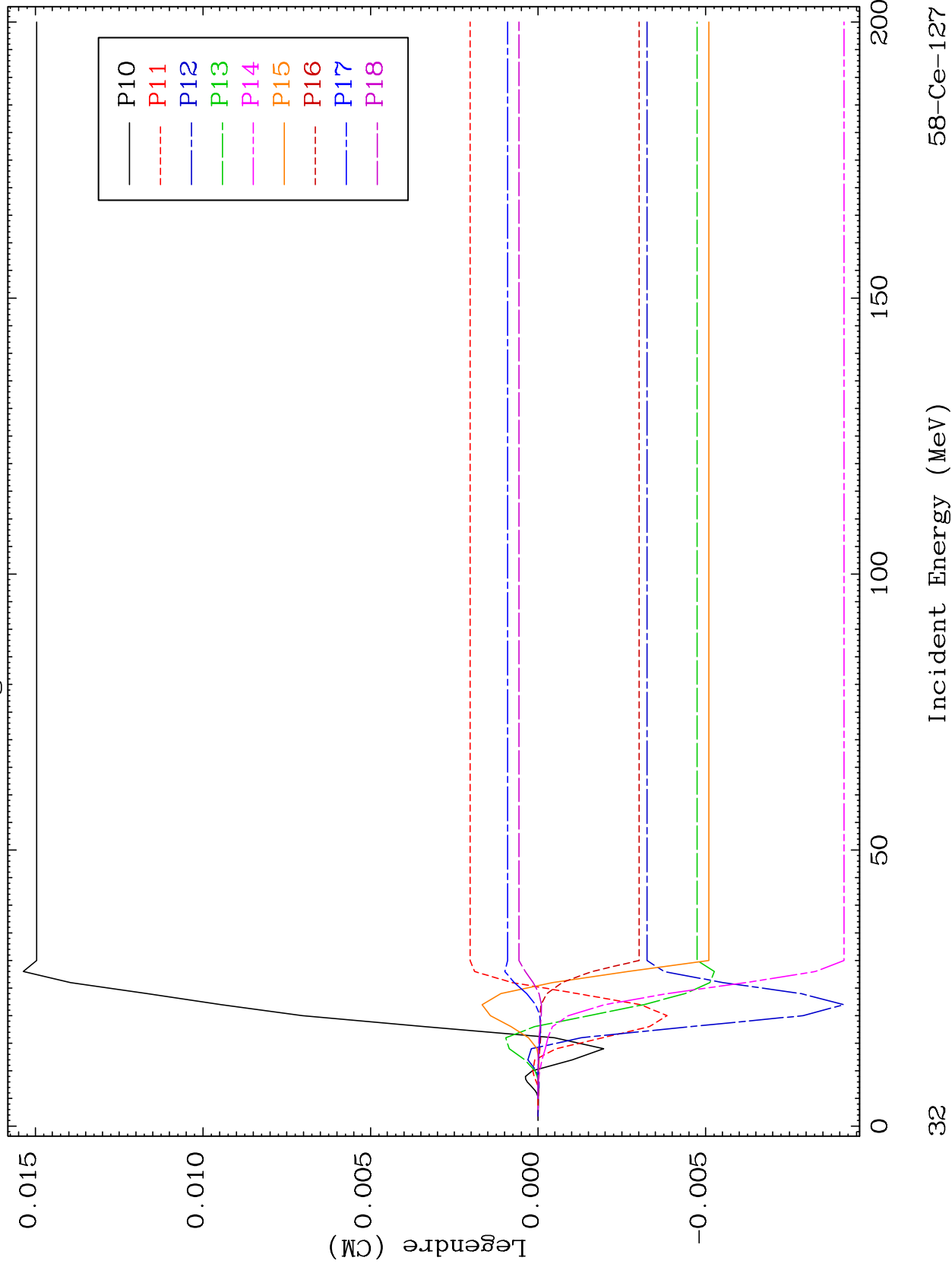
Incident Energy (MeV)

31

MAT 5798

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

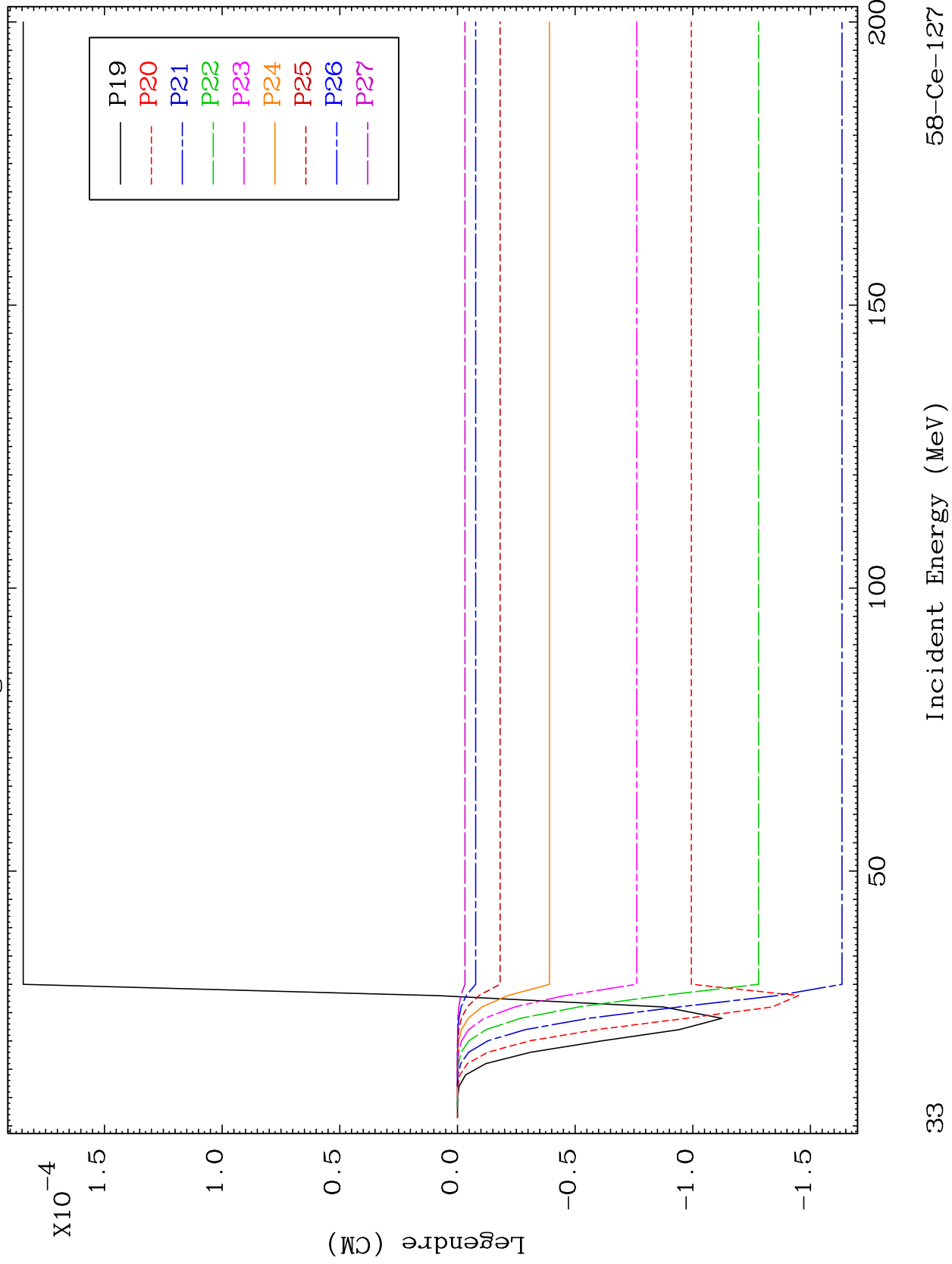
58-Ce-127

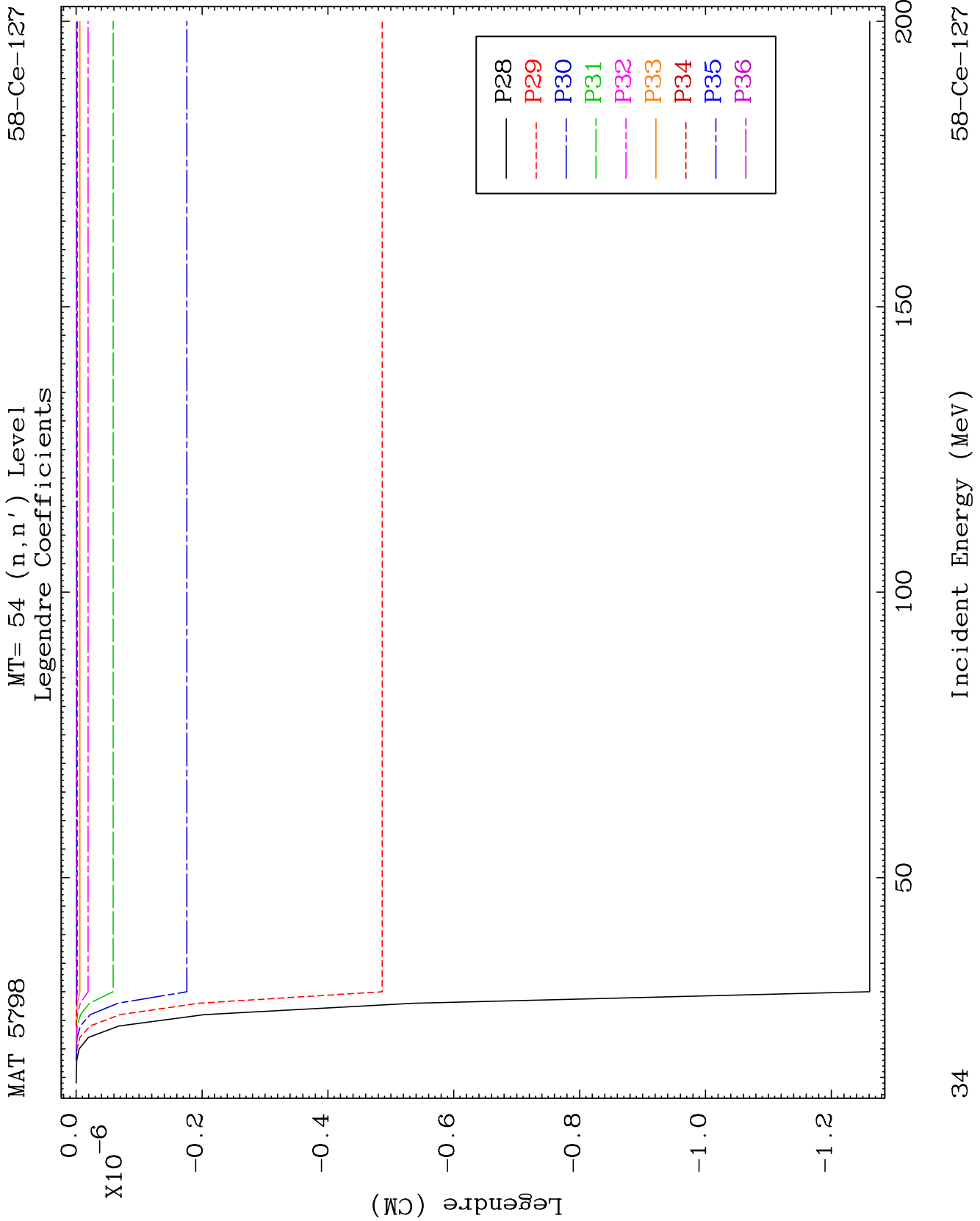


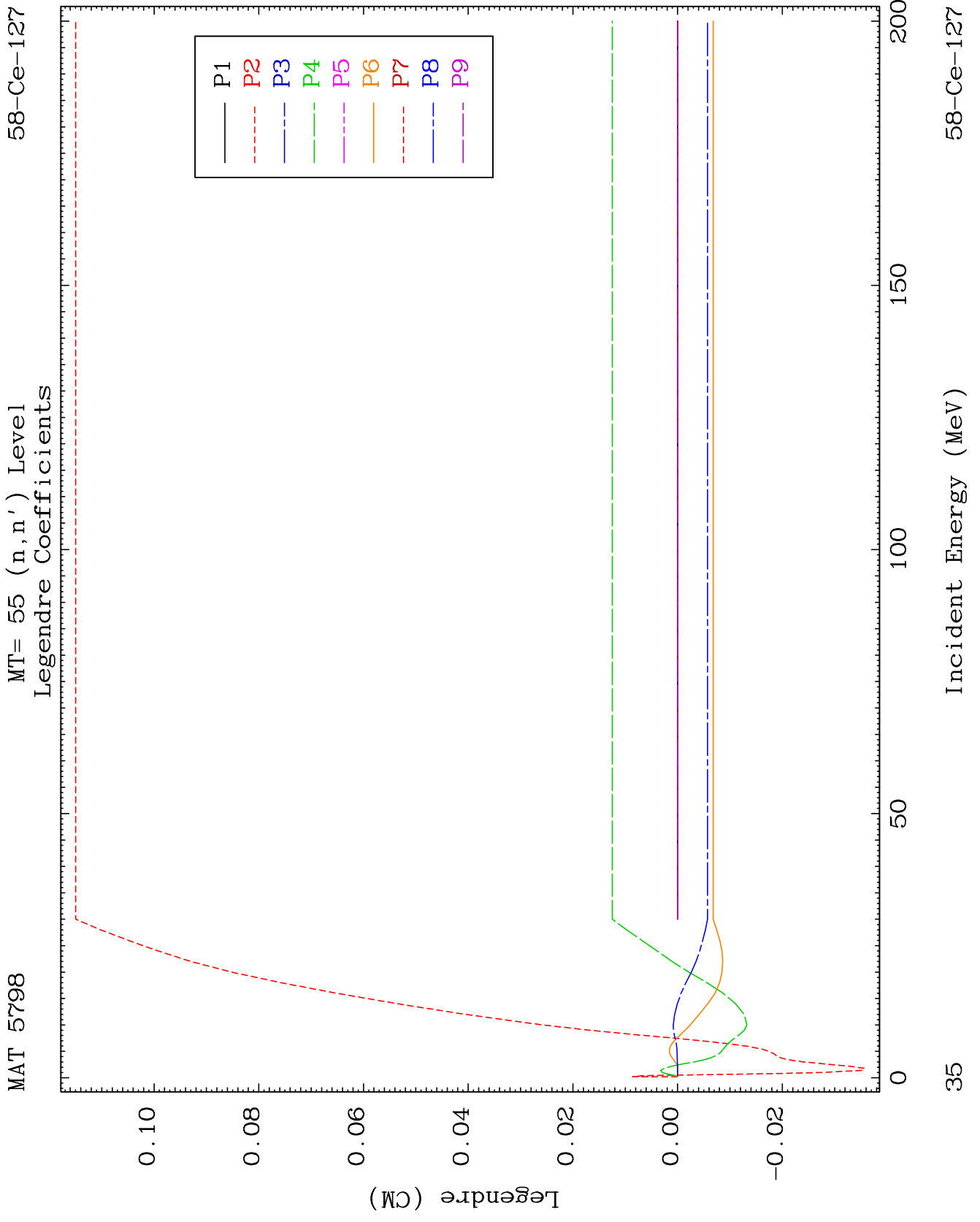
32

Incident Energy (MeV)

58-Ce-127



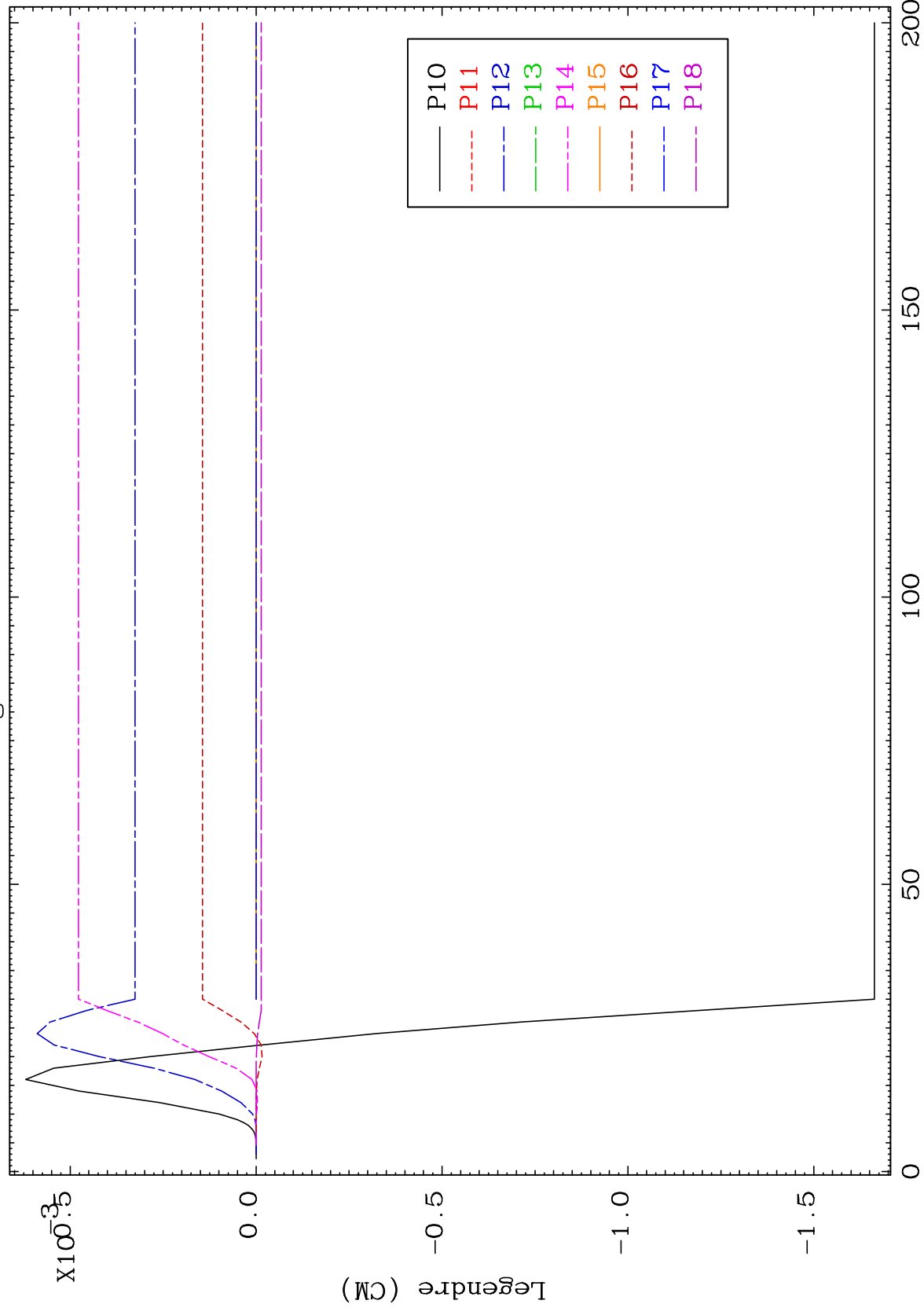




MAT 5798

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

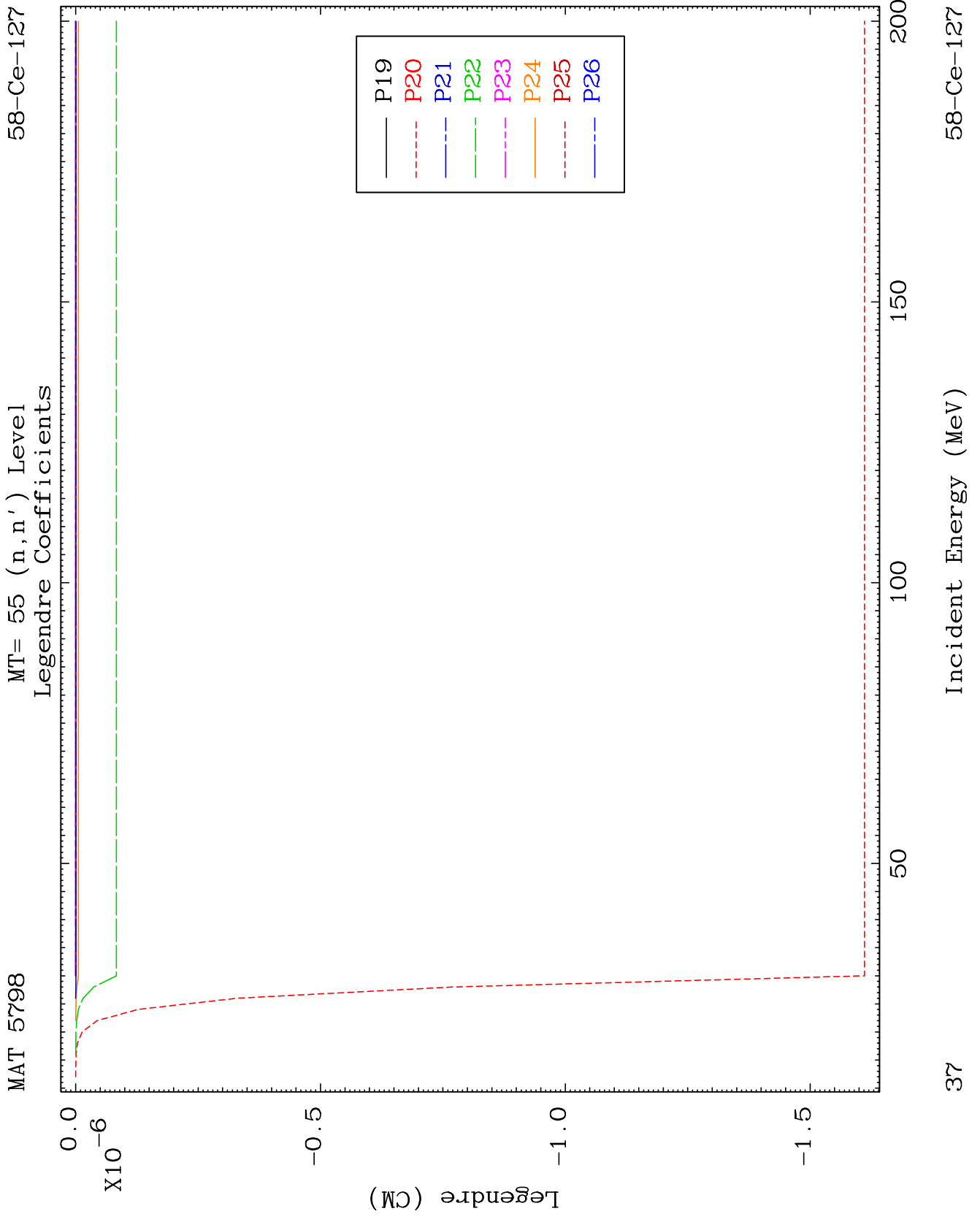
58-Ce-127



36

Incident Energy (MeV)

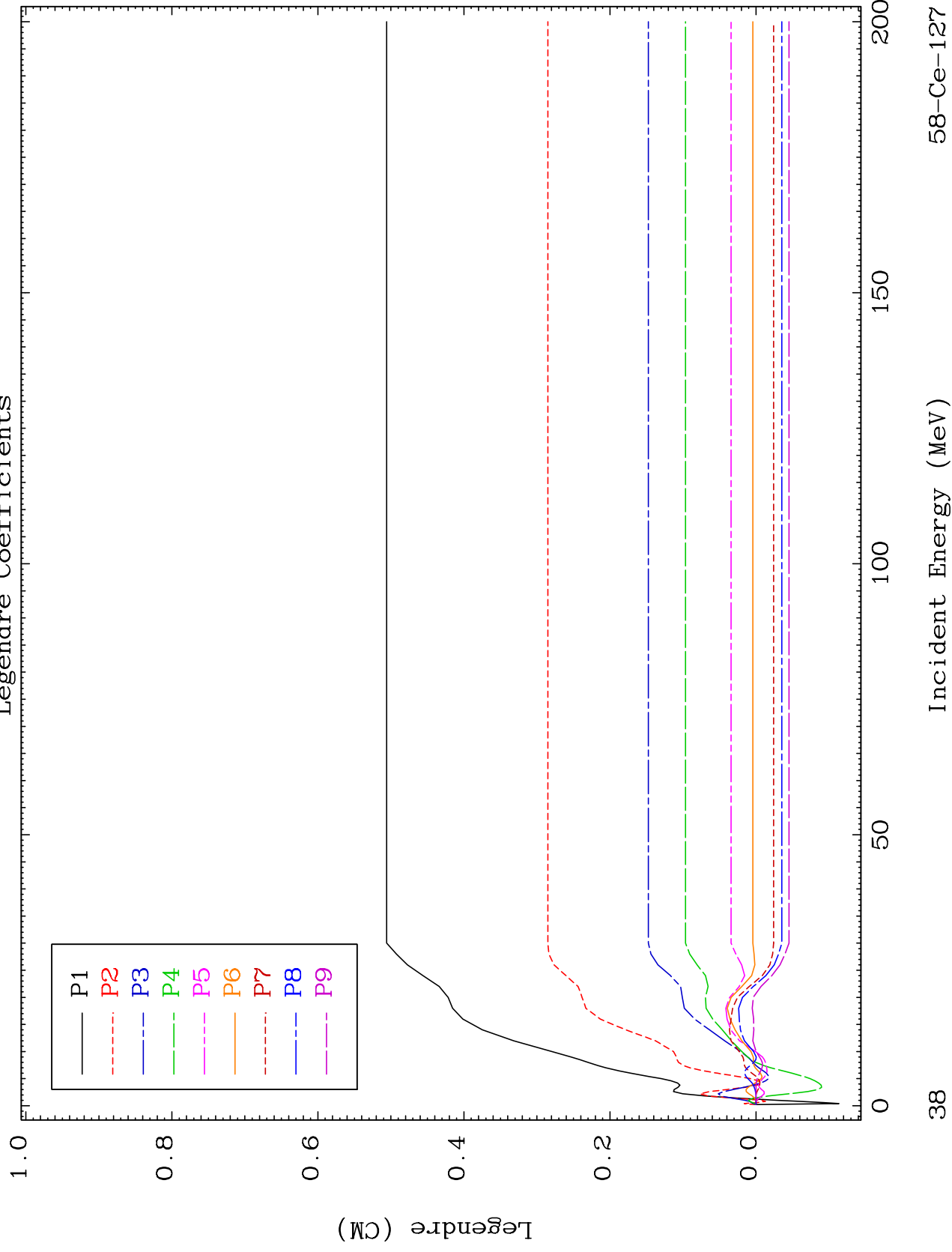
58-Ce-127



MAT 5798

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

58-Ce-127



58-Ce-127

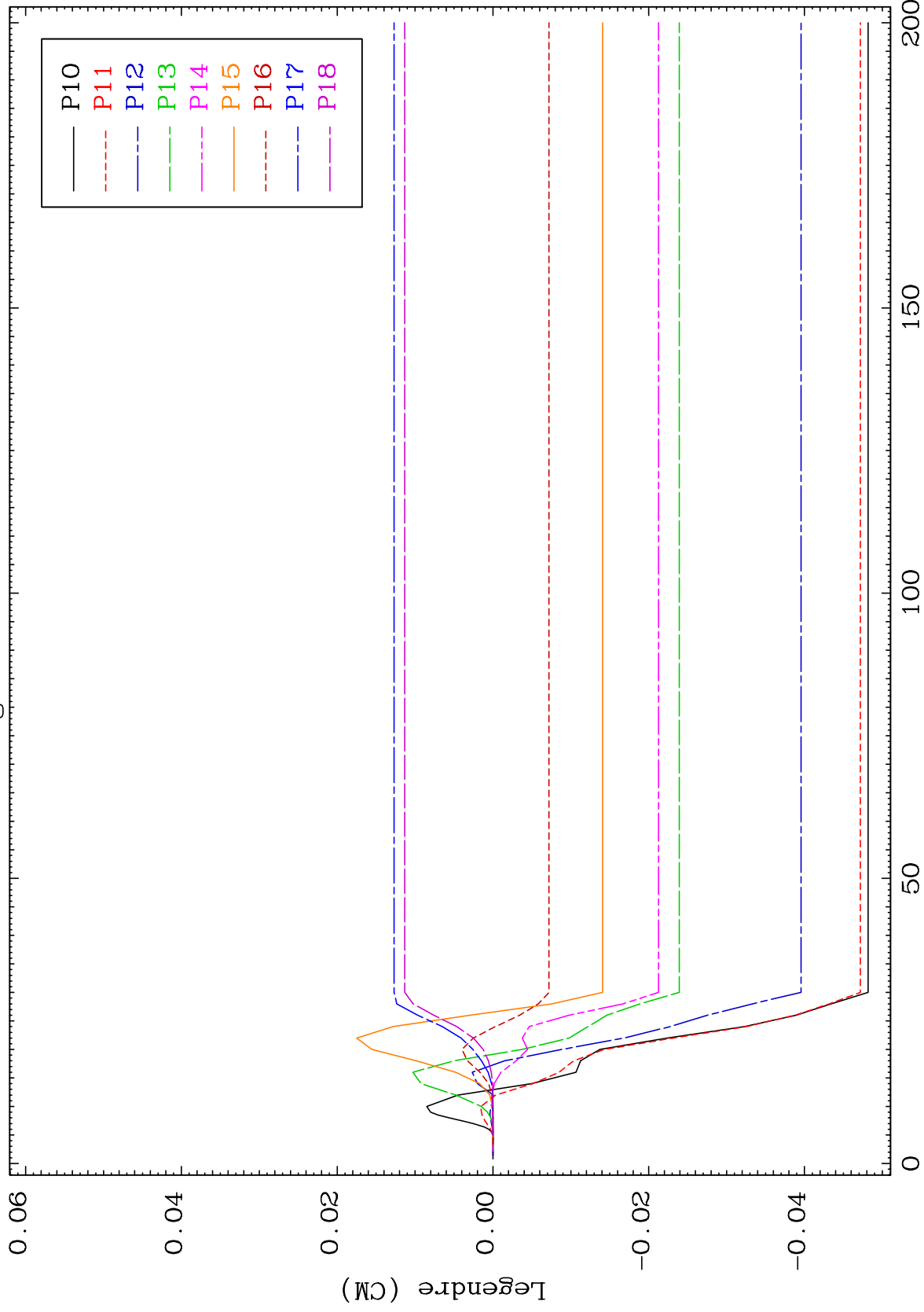
Incident Energy (MeV)

38

MAT 5798

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

58-Ce-127



39

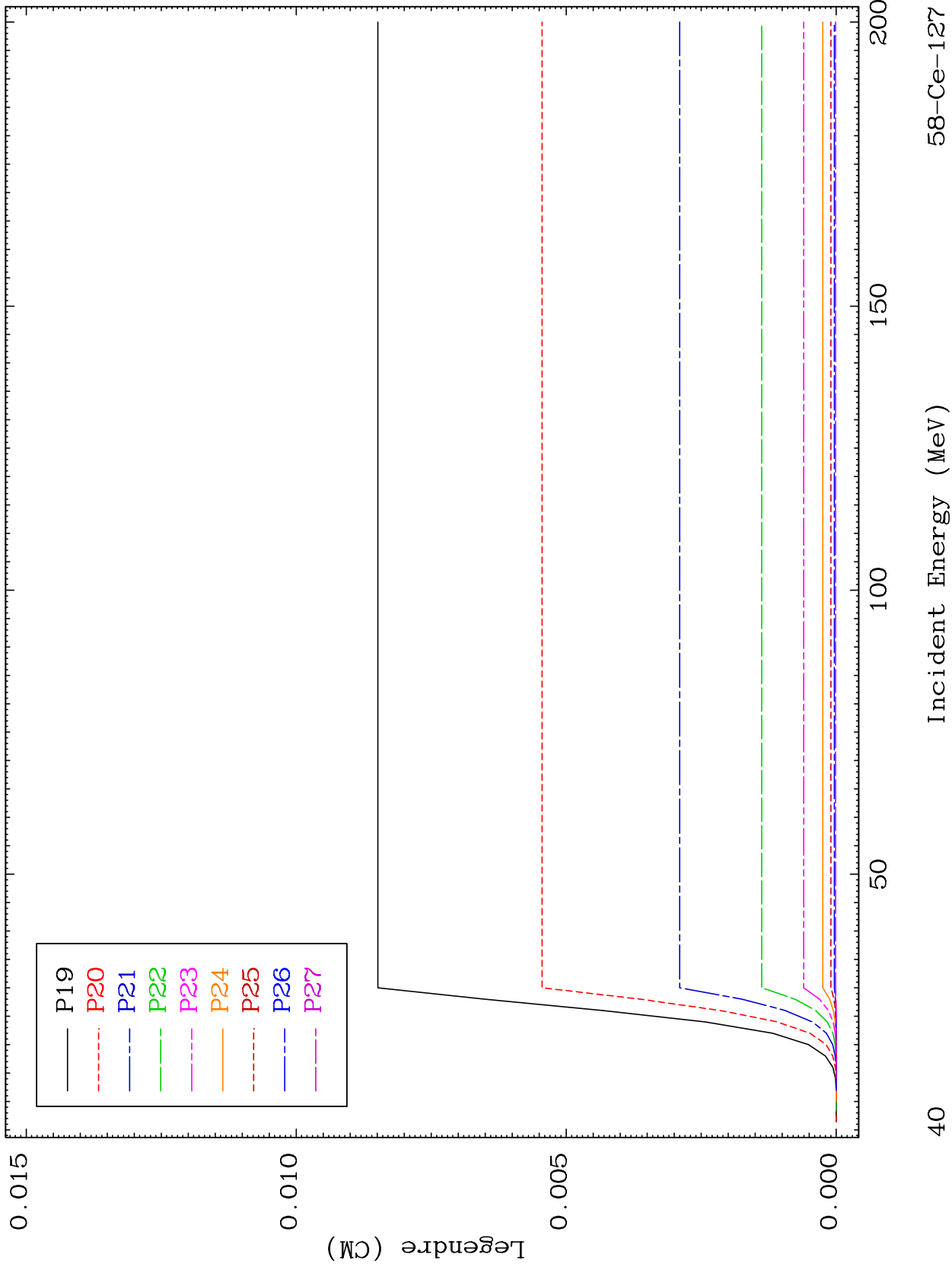
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



58-Ce-127

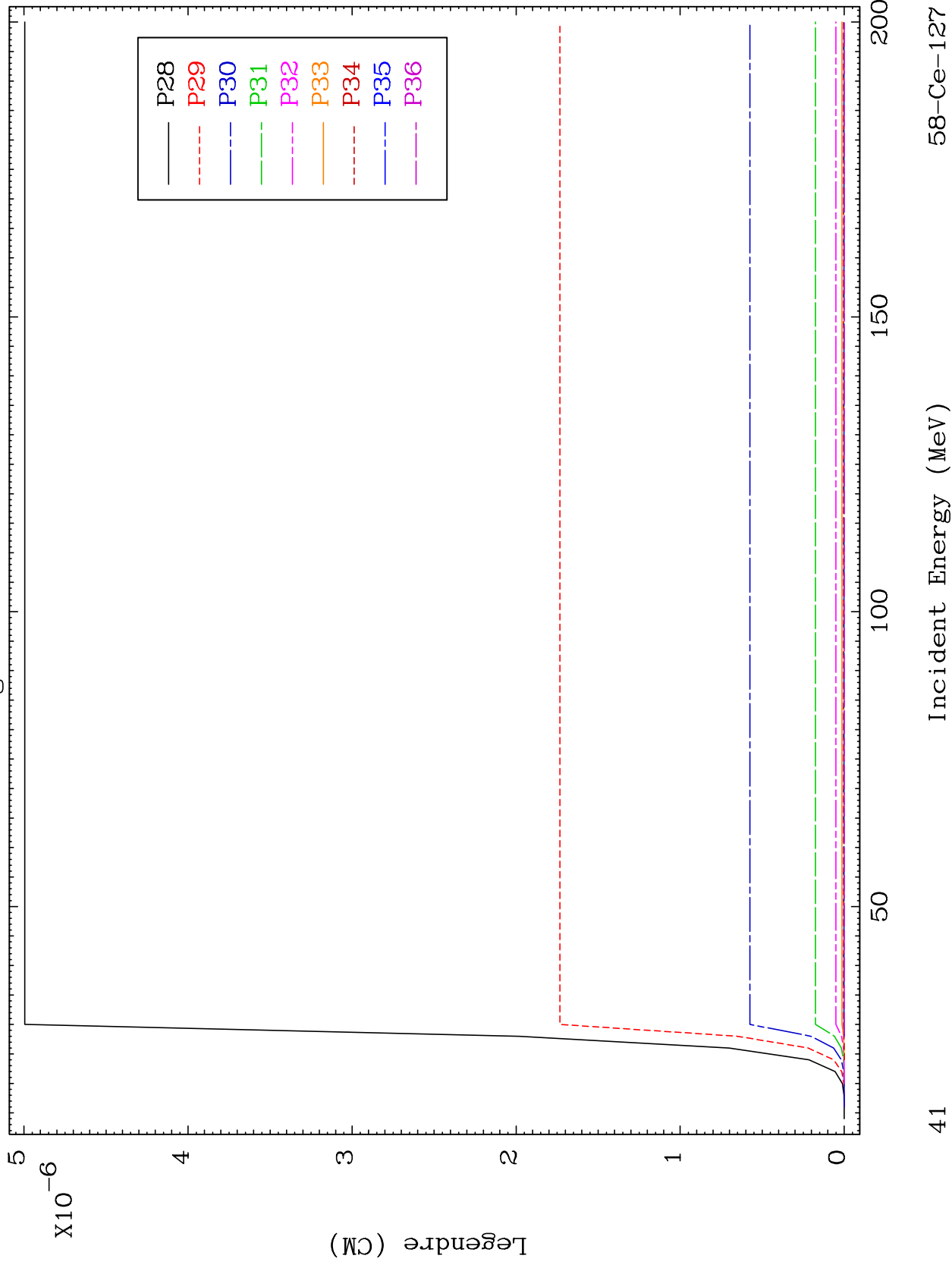
Incident Energy (MeV)

40

MAT 5798

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

58-Ce-127



41

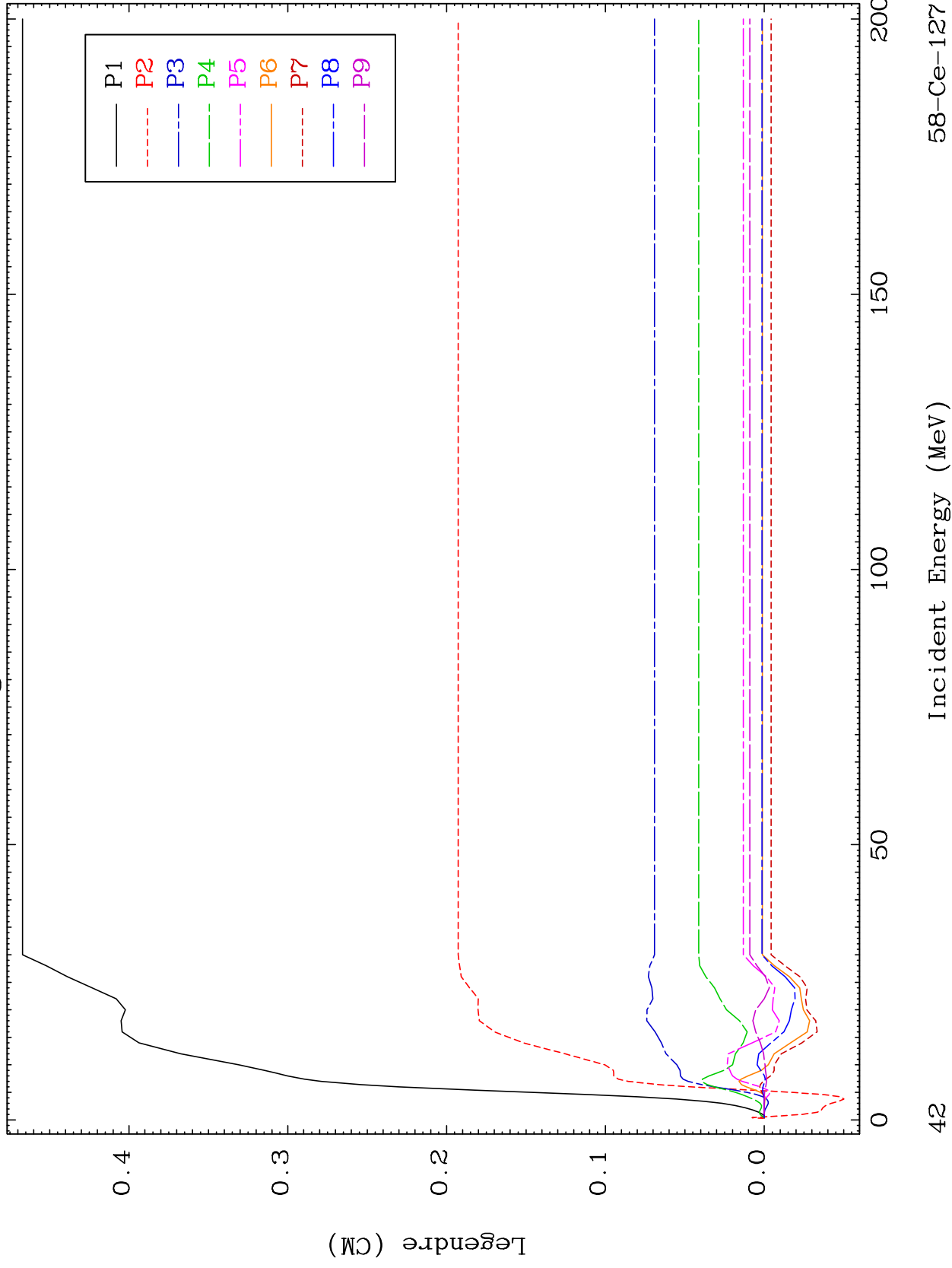
Incident Energy (MeV)

58-Ce-127

MAT 5798

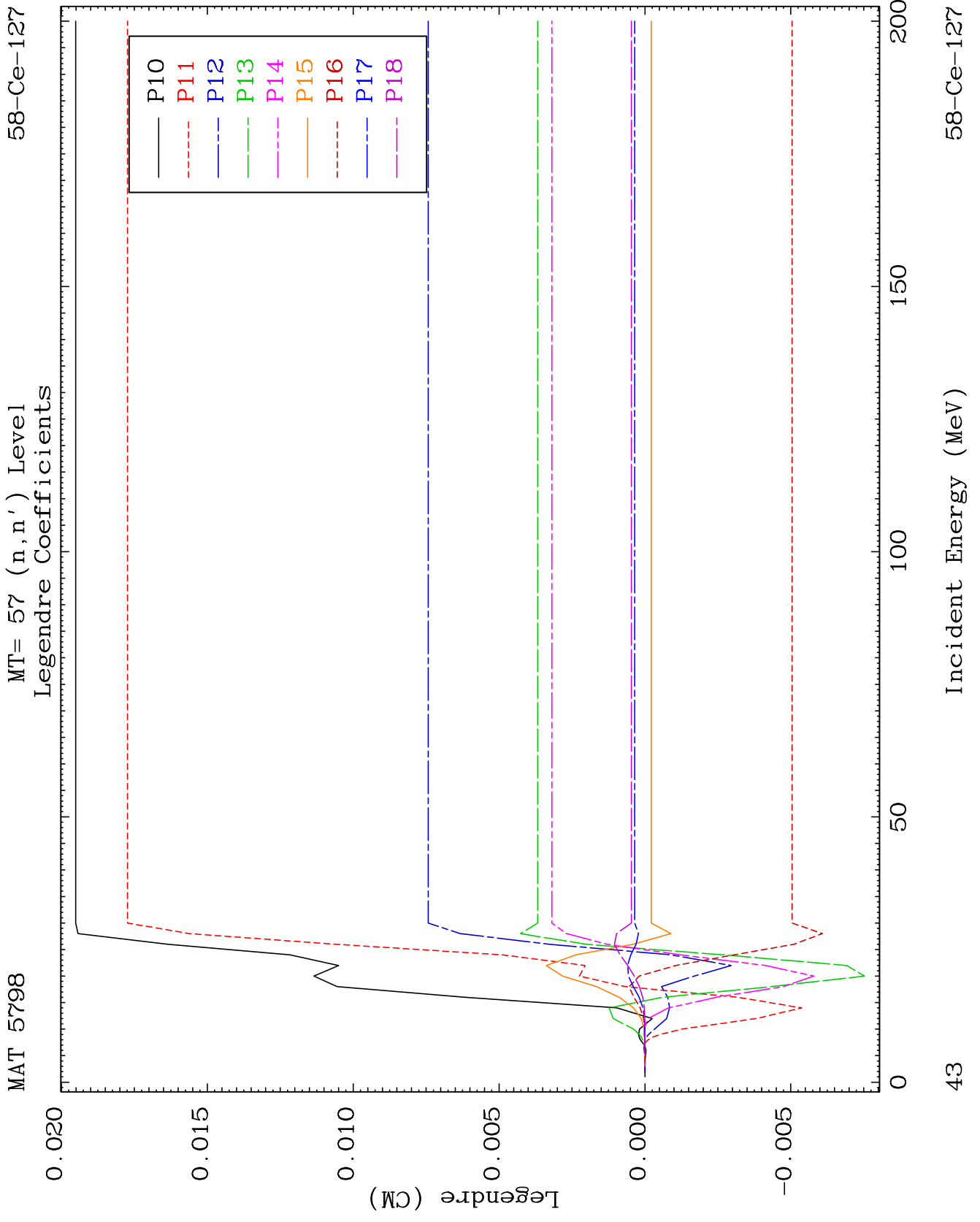
MT= 57 (n,n') Level
Legendre Coefficients

58-Ce-127



42

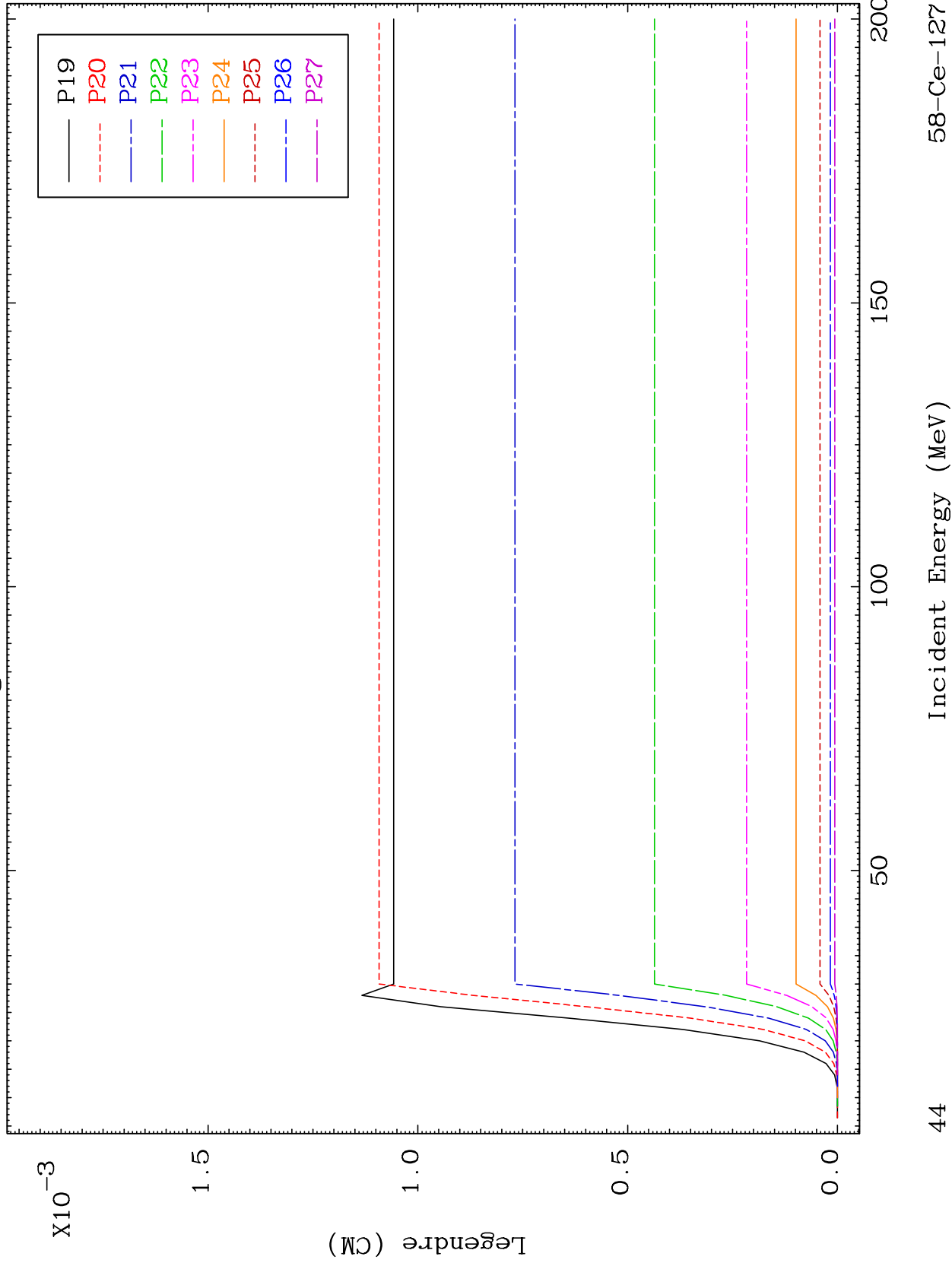
58-Ce-127



MAT 5798

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

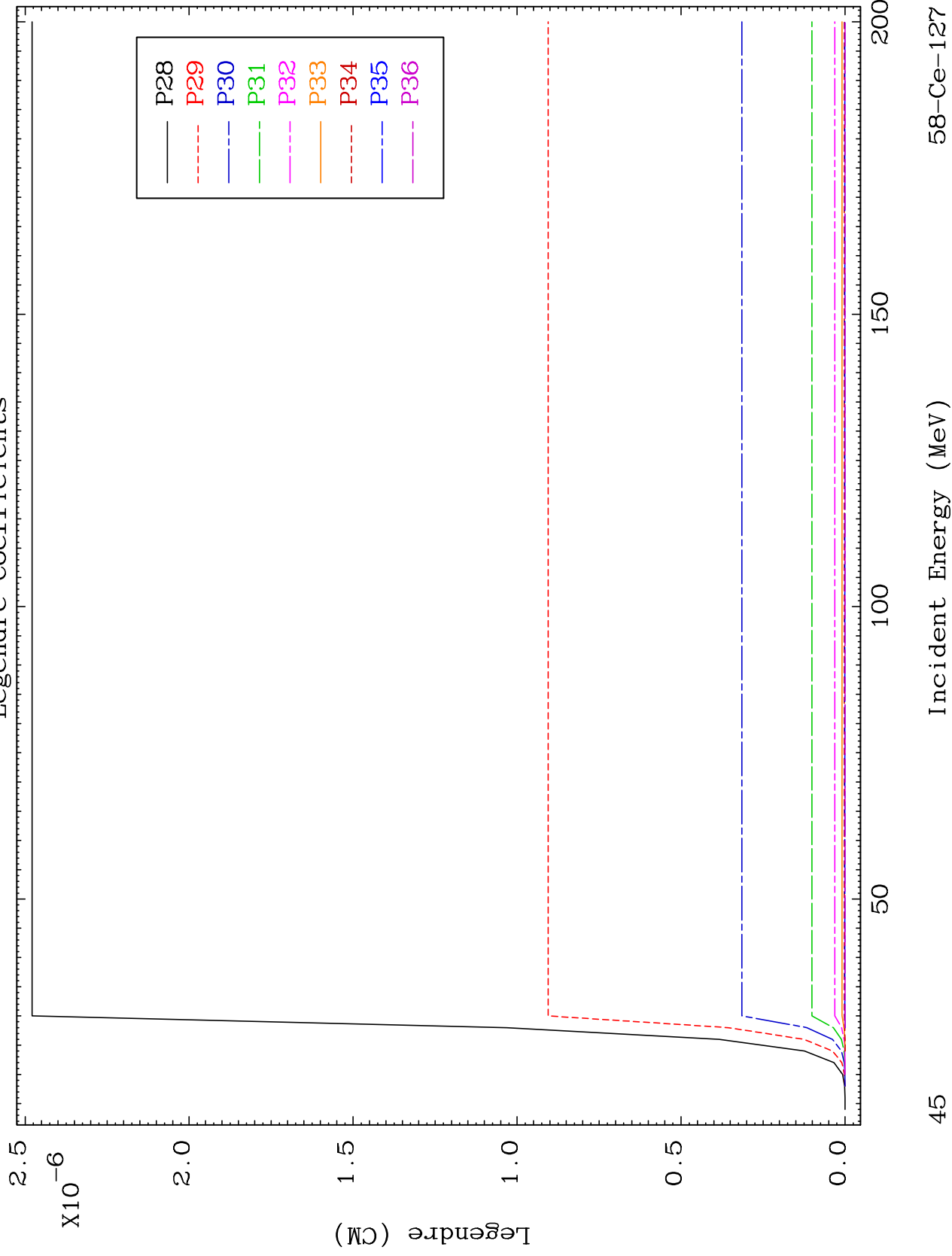
58-Ce-127



MAT 5798

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

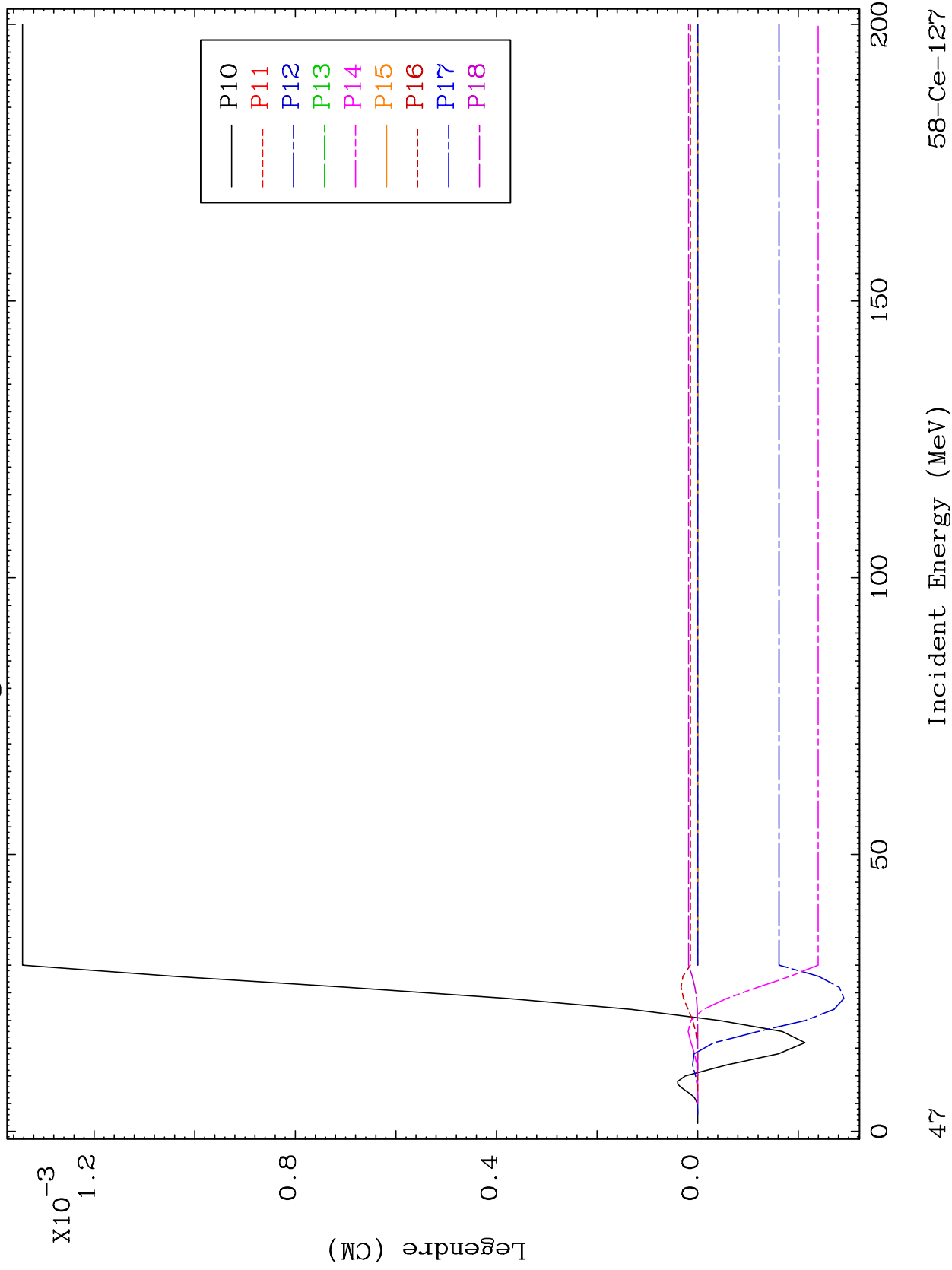
58-Ce-127



MAT 5798

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

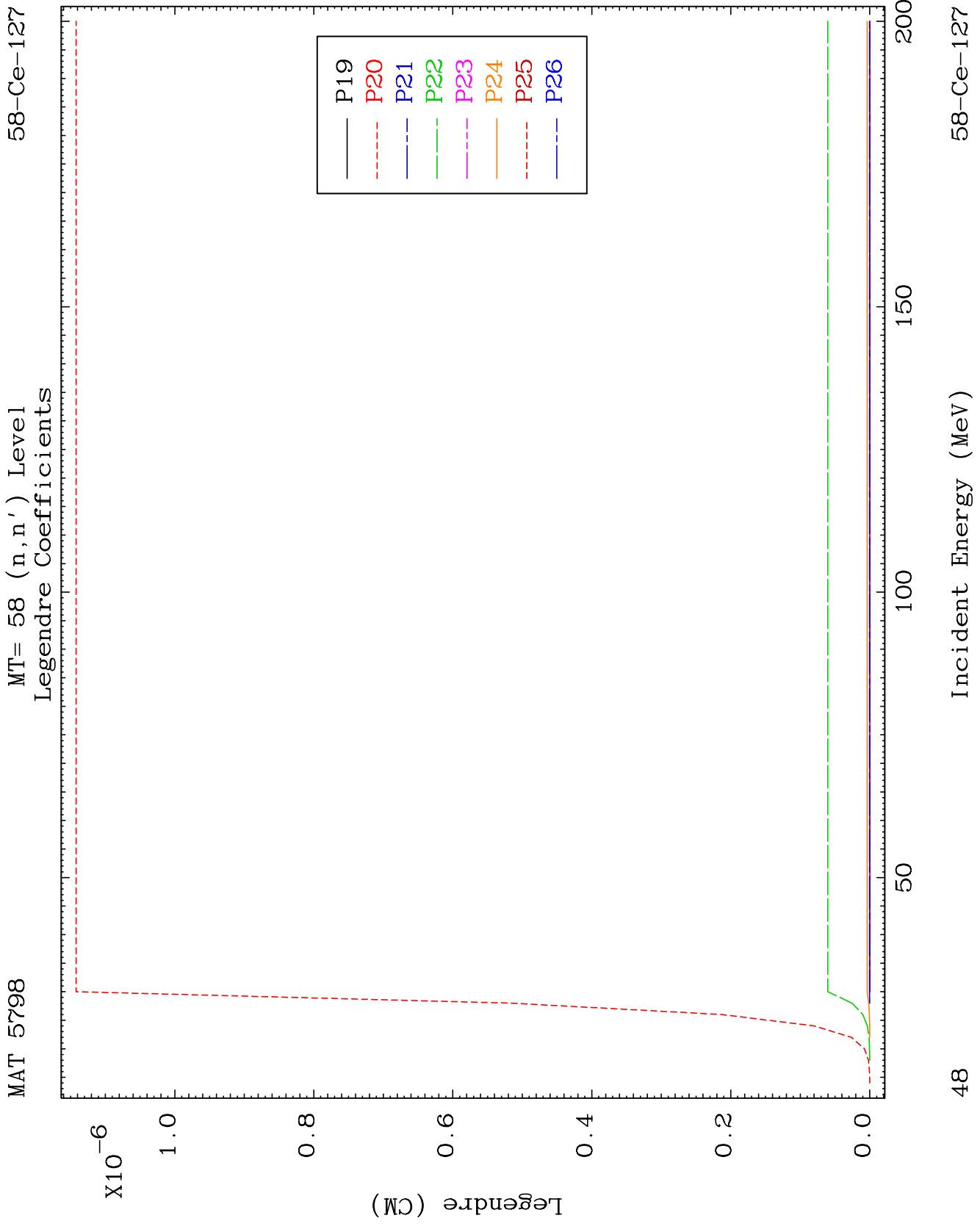
58-Ce-127



47

Incident Energy (MeV)

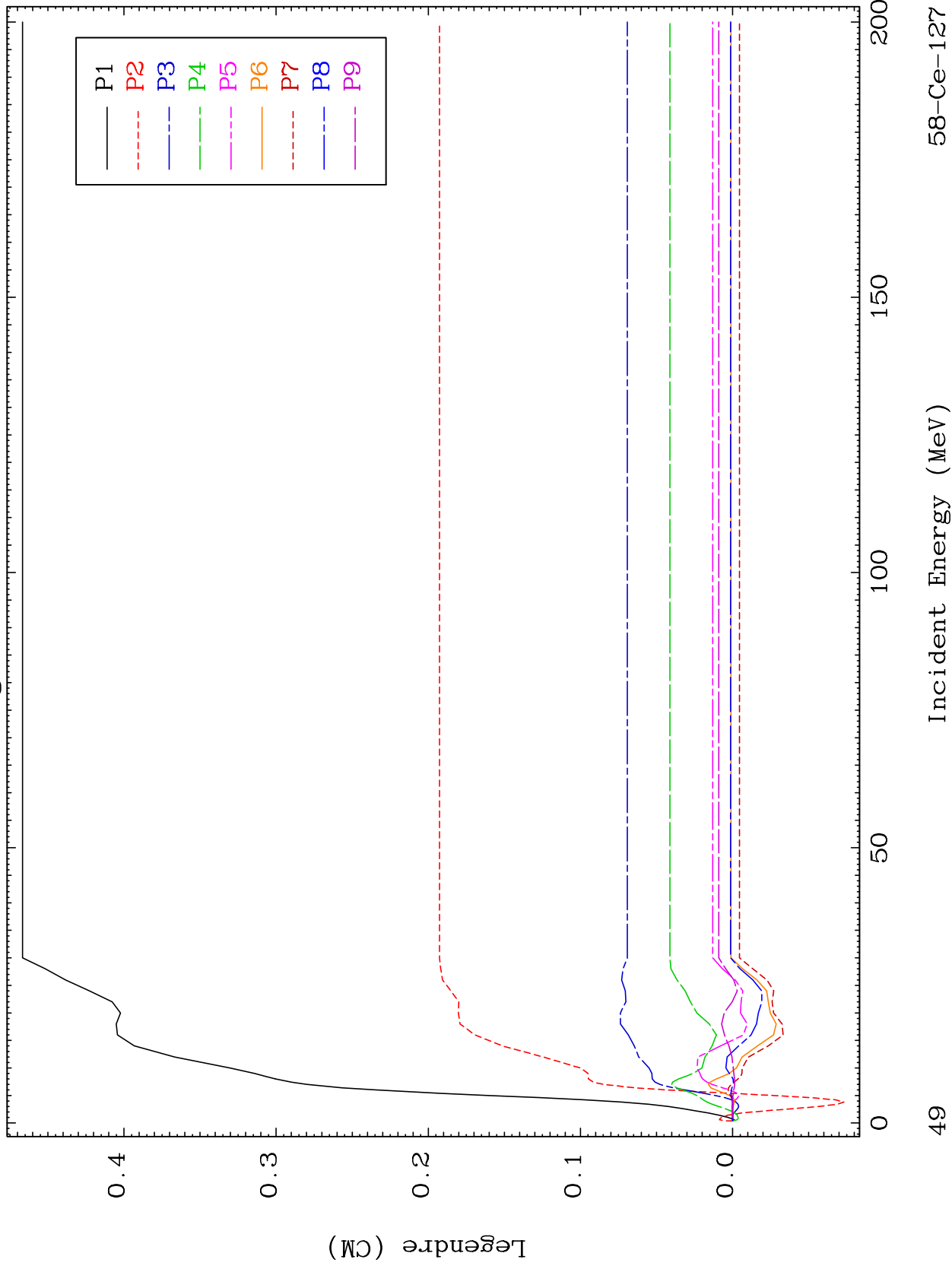
58-Ce-127



MAT 5798

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

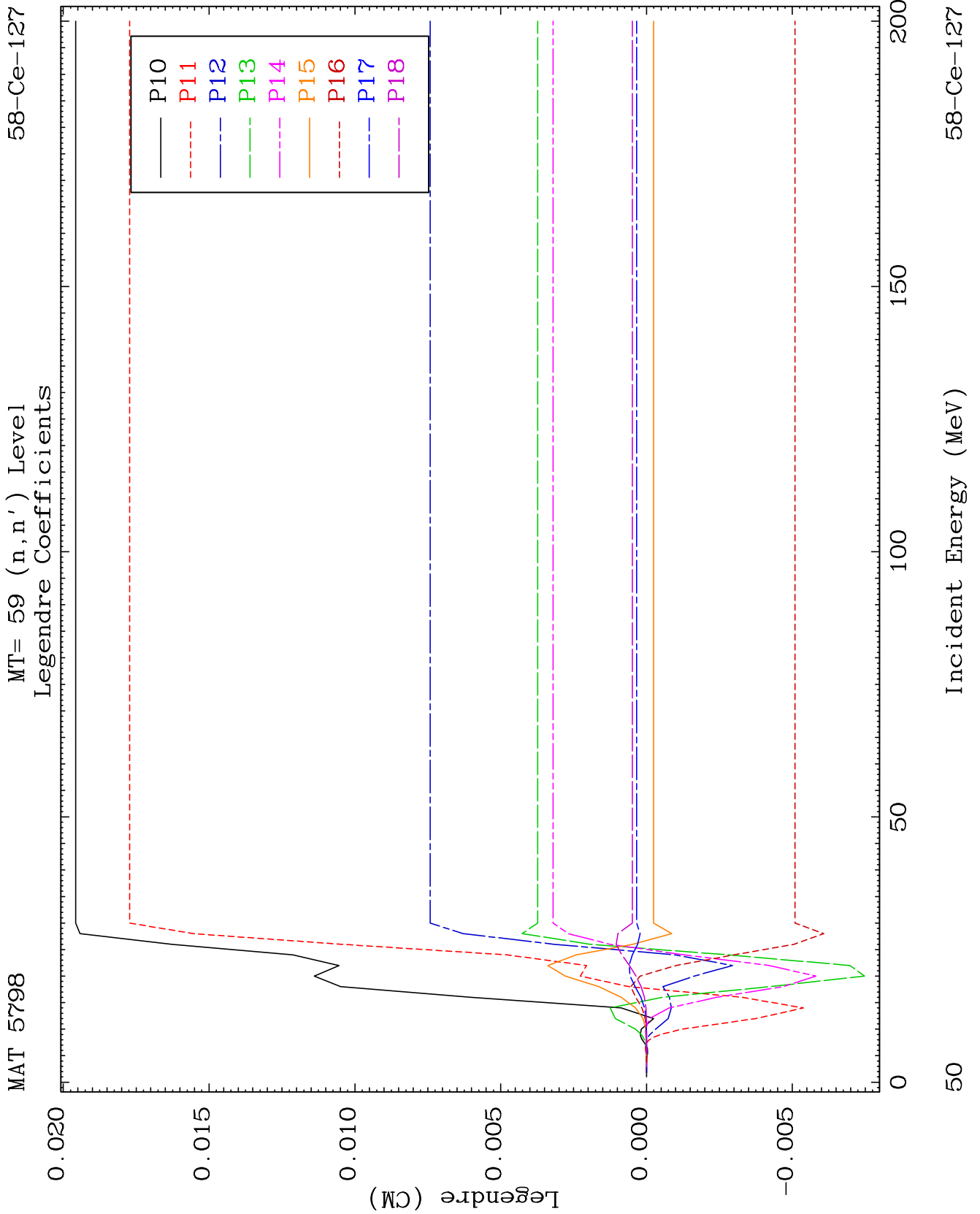
58-Ce-127



58-Ce-127

Incident Energy (MeV)

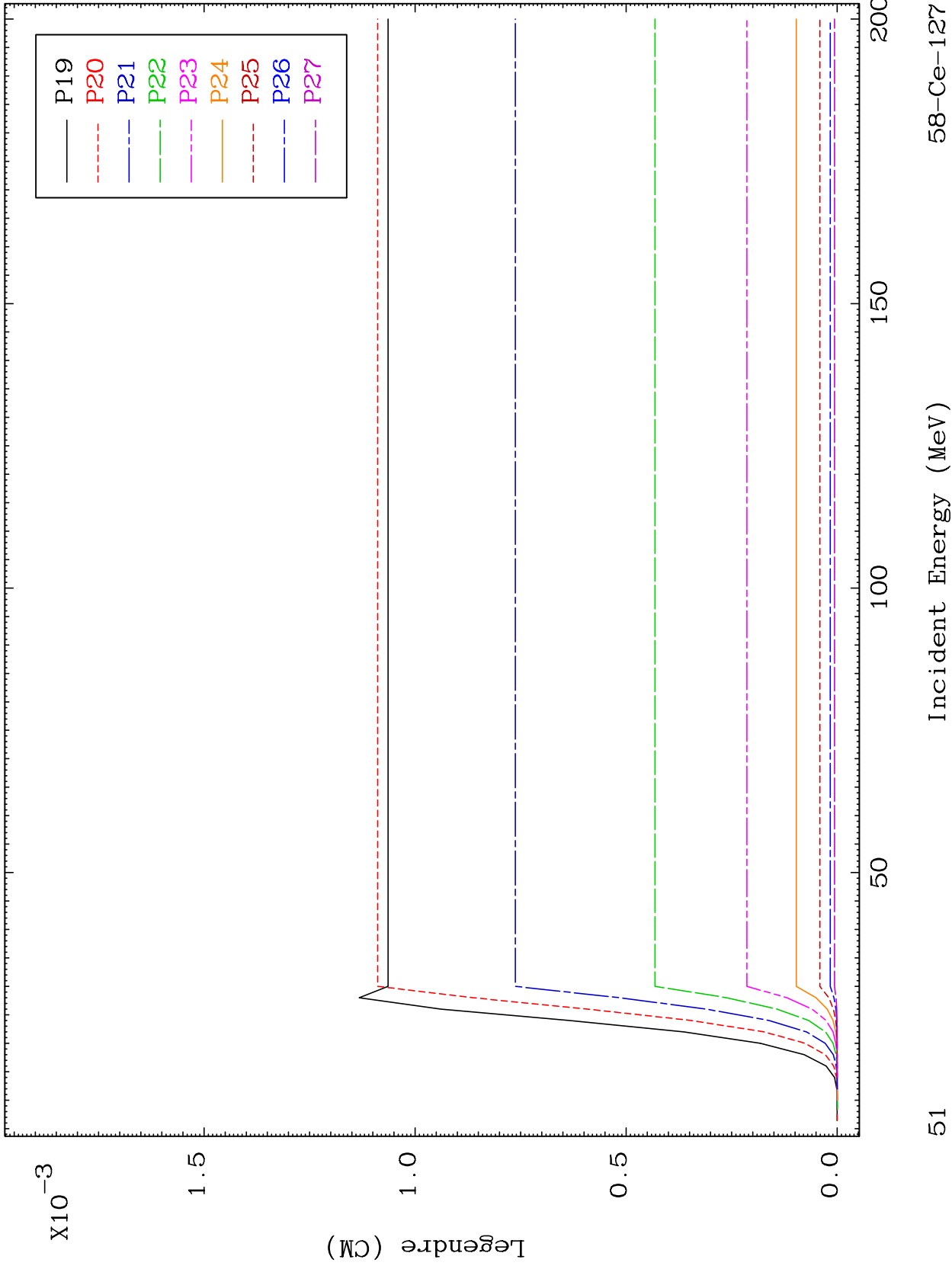
49



MAT 5798

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

58-Ce-127



51

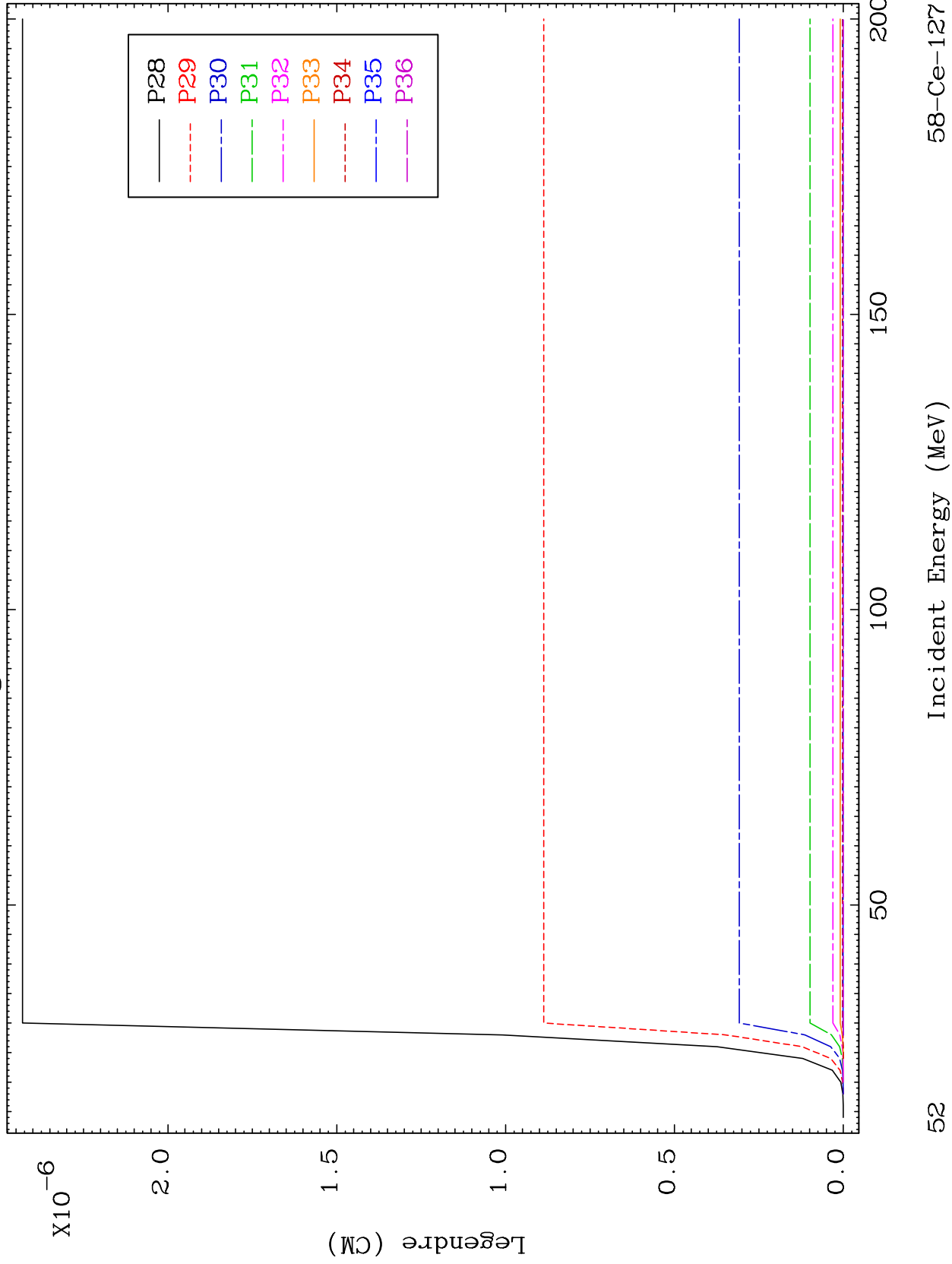
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



52

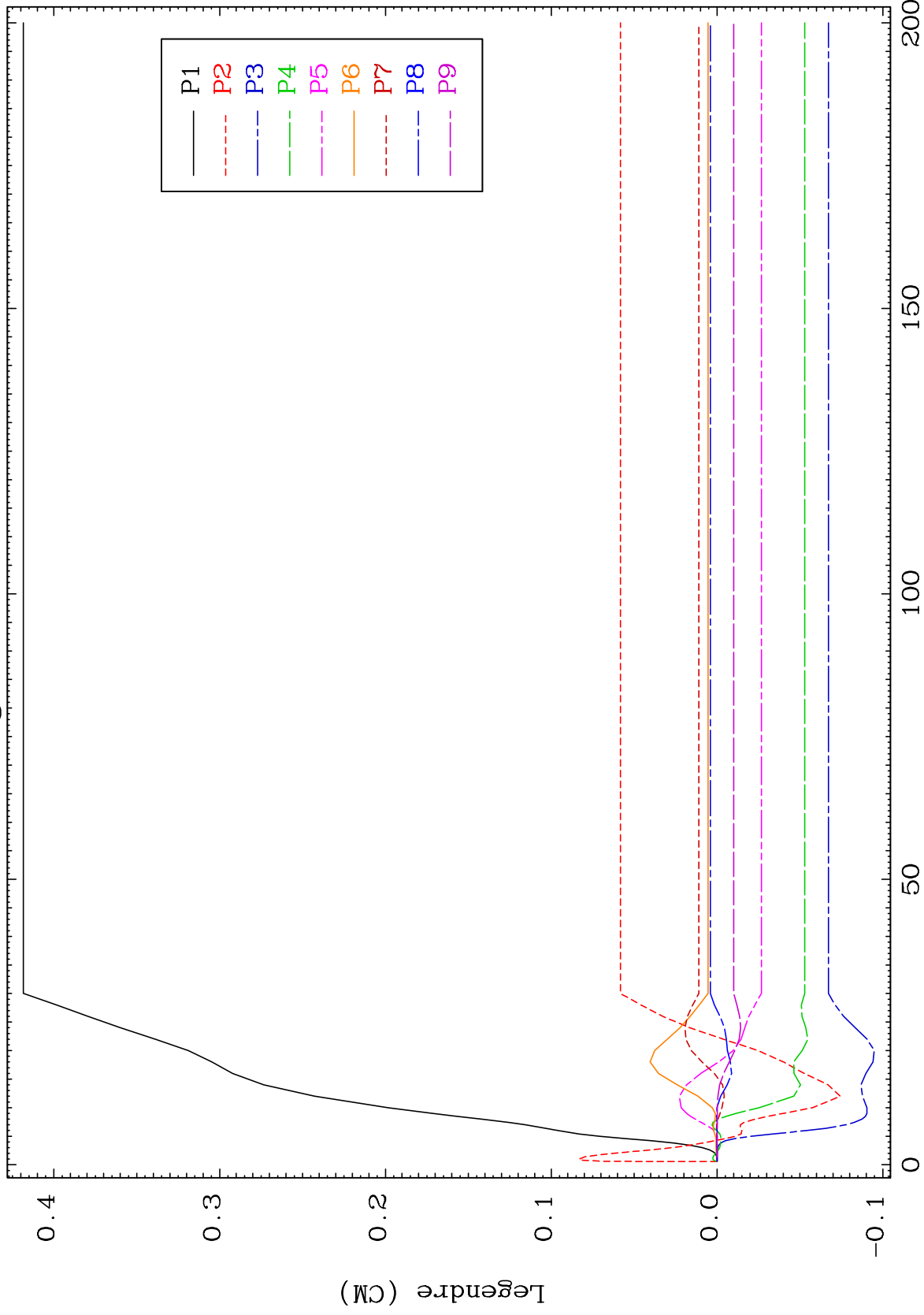
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



58-Ce-127

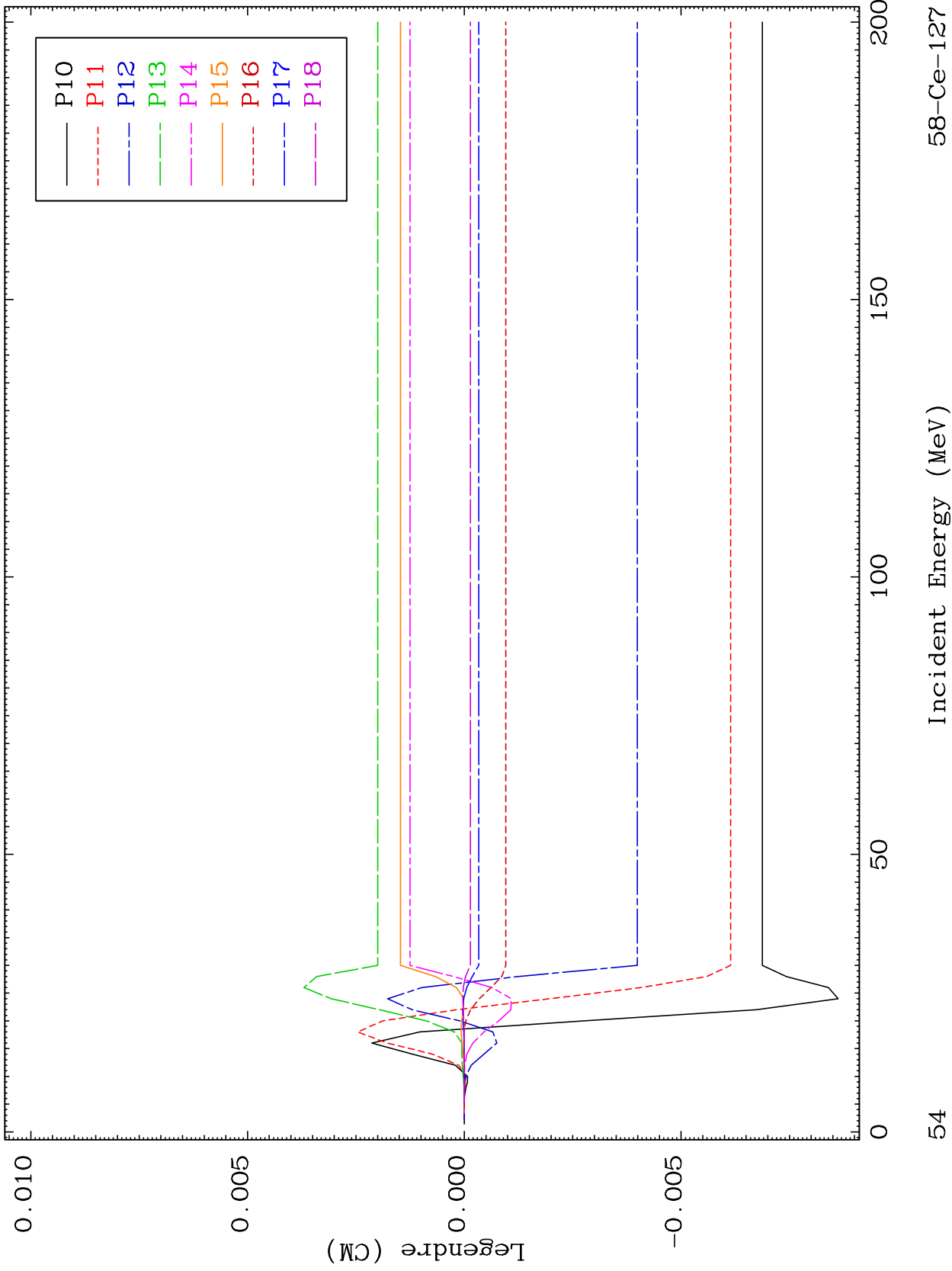
Incident Energy (MeV)

53

MAT 5798

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

58-Ce-127



54

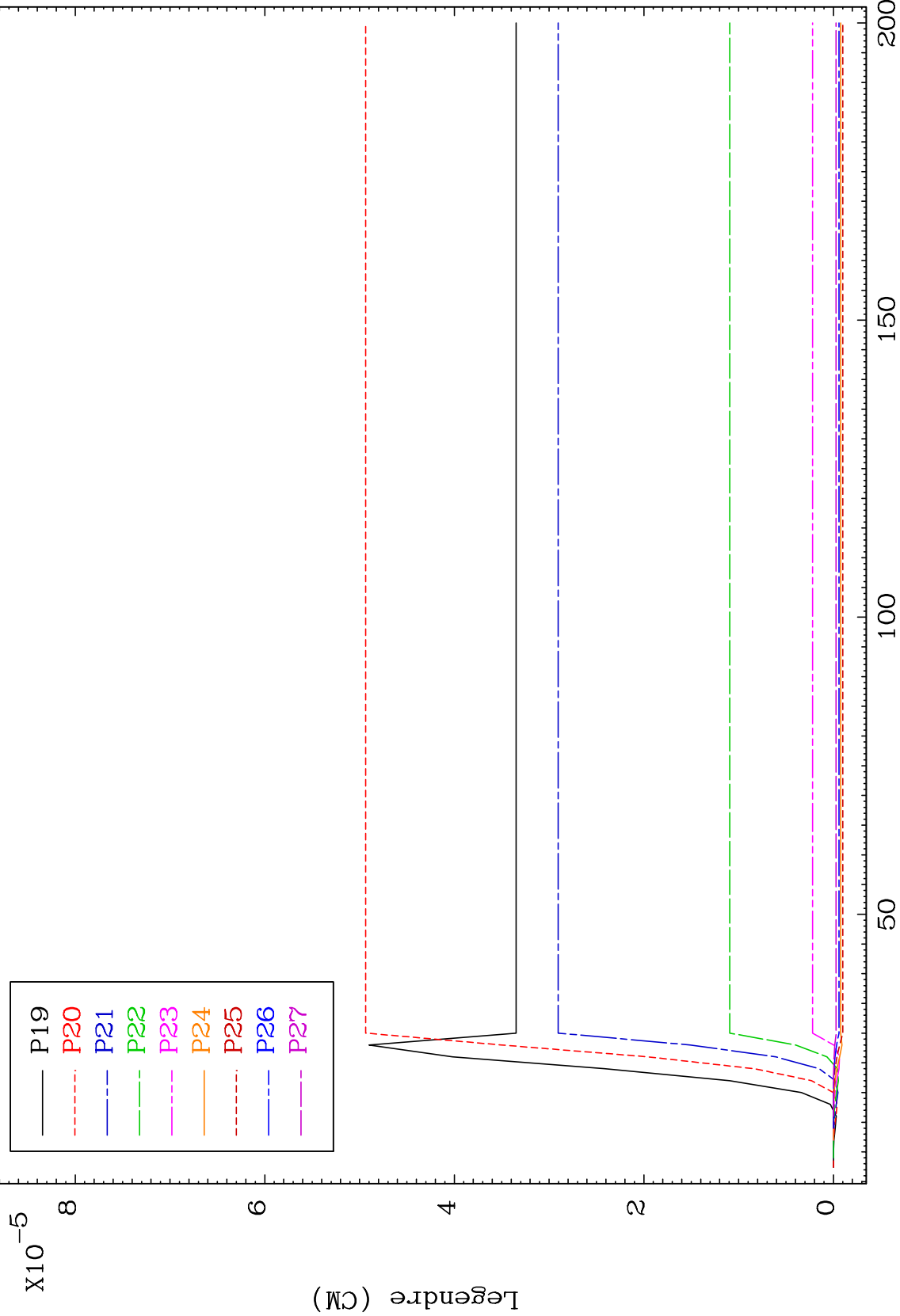
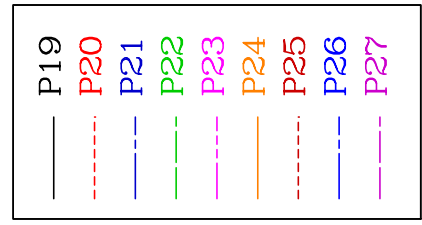
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

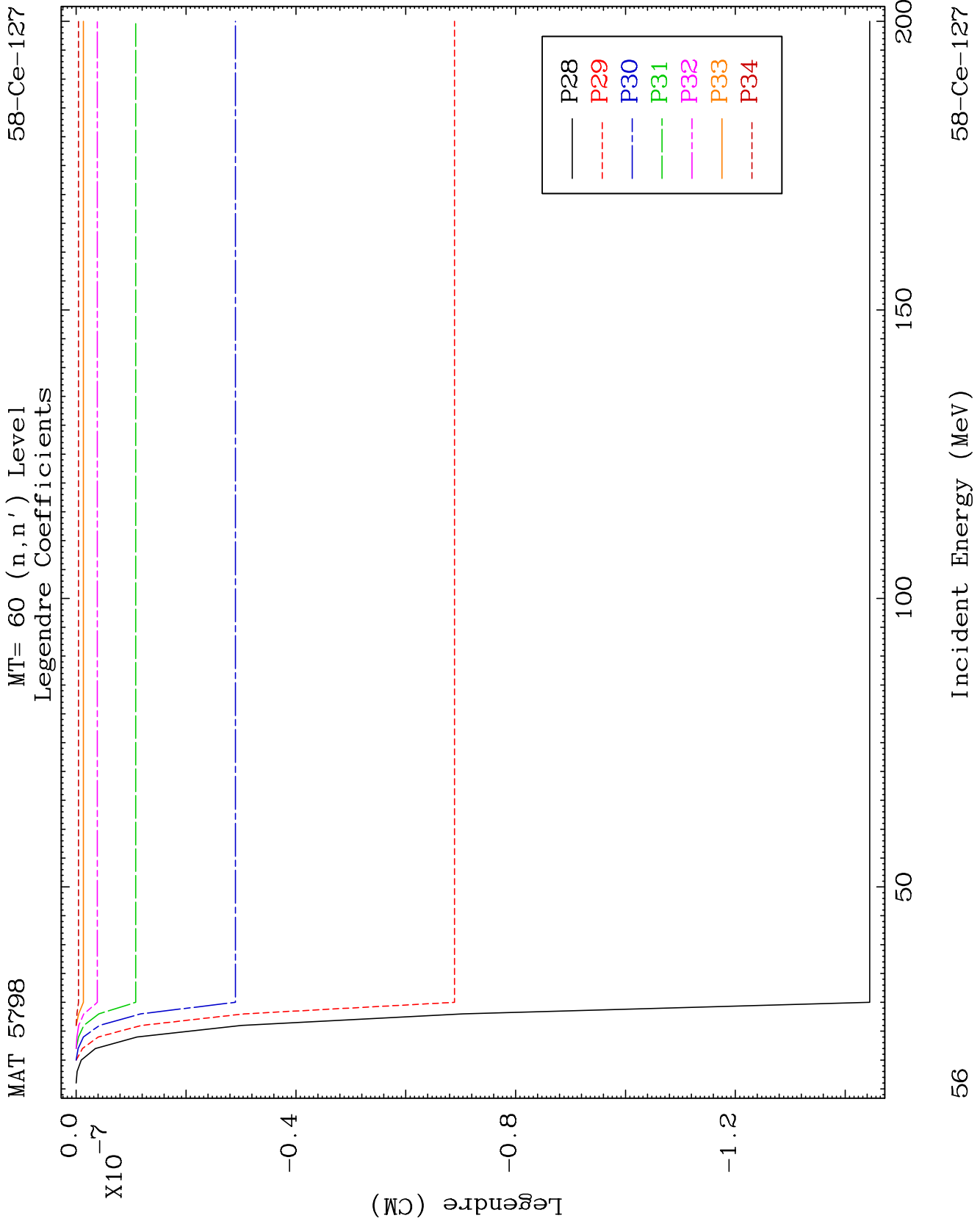
58-Ce-127



55

Incident Energy (MeV)

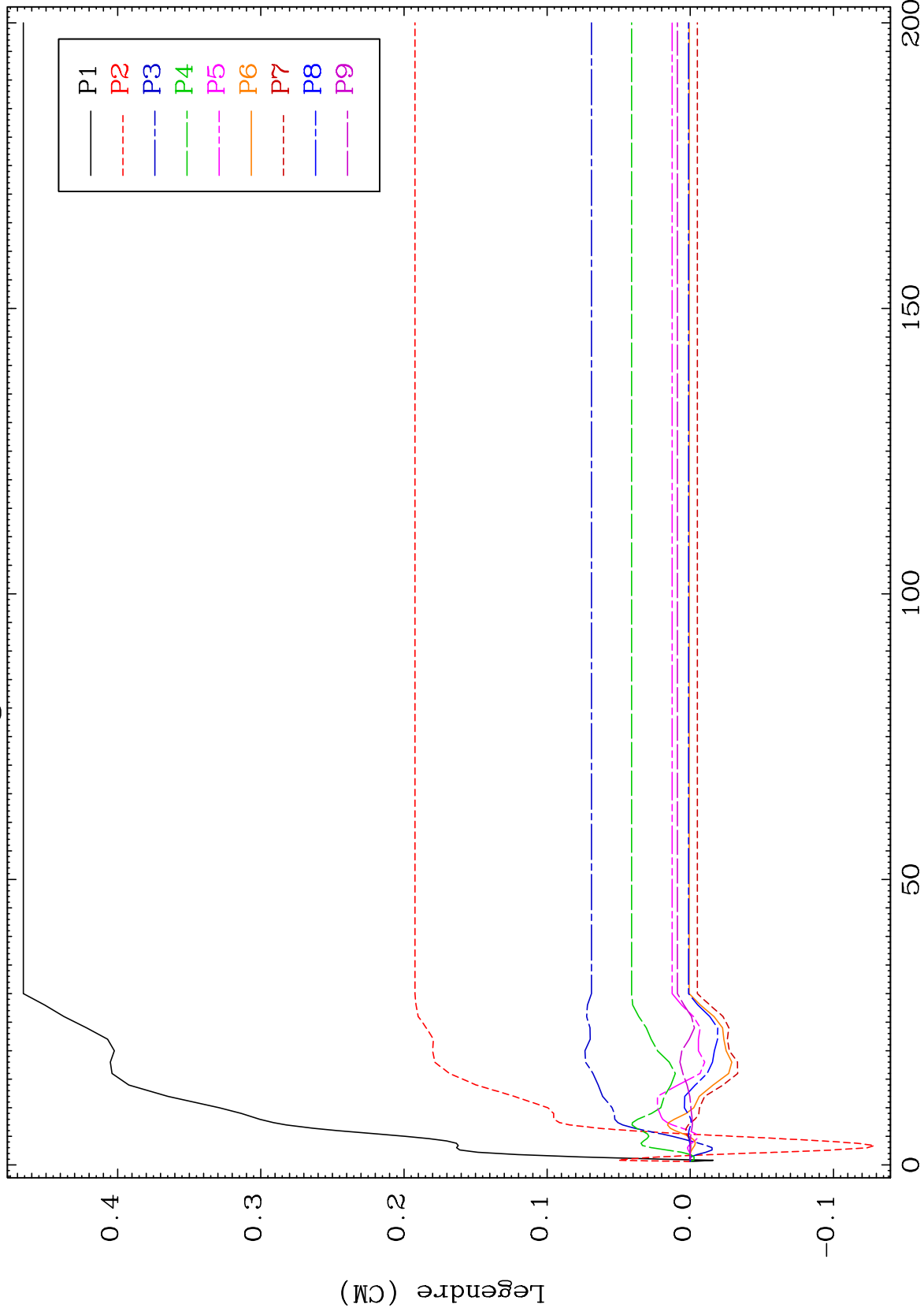
58-Ce-127



MAT 5798

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

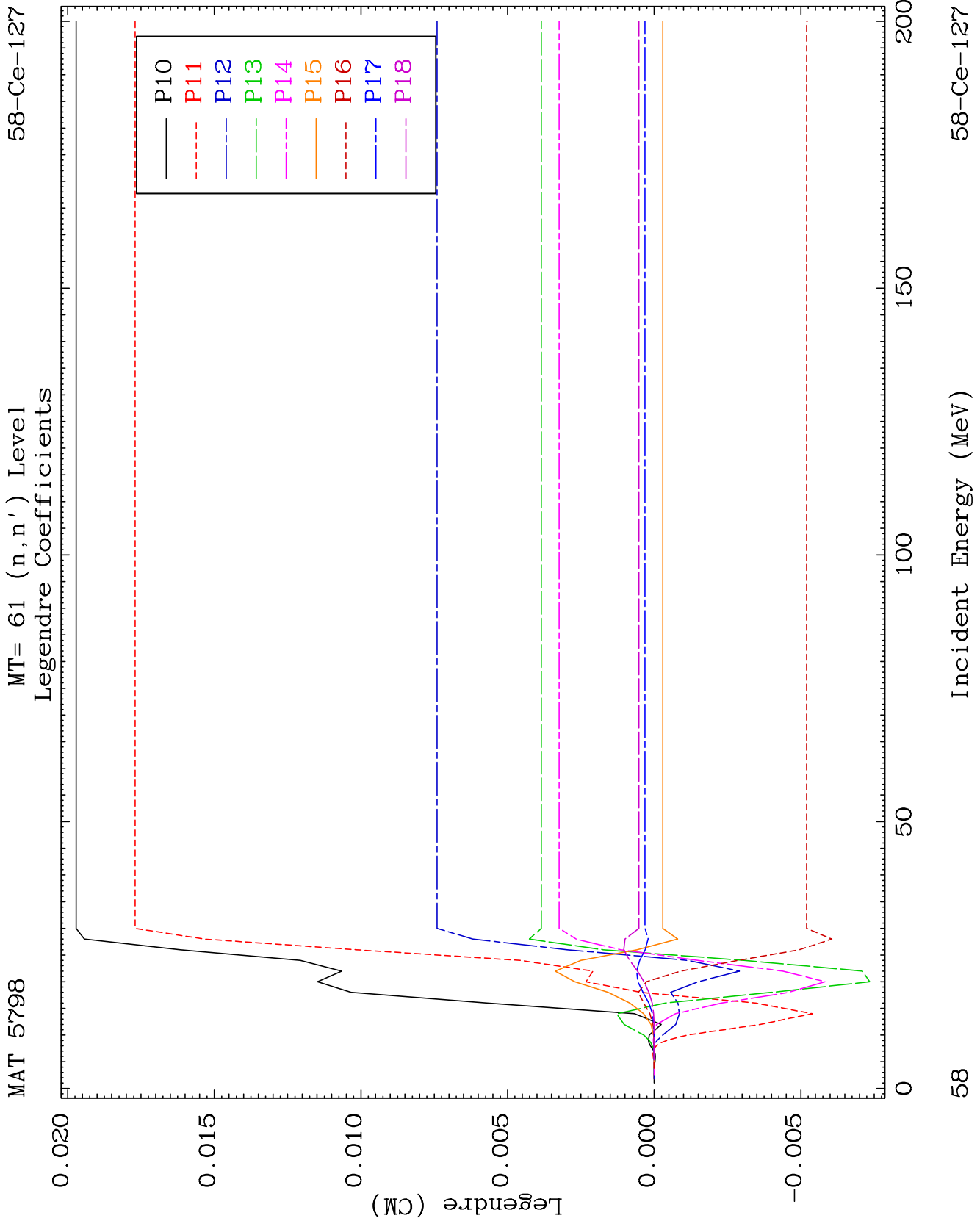
58-Ce-127



57

Incident Energy (MeV)

58-Ce-127



58-Ce-127

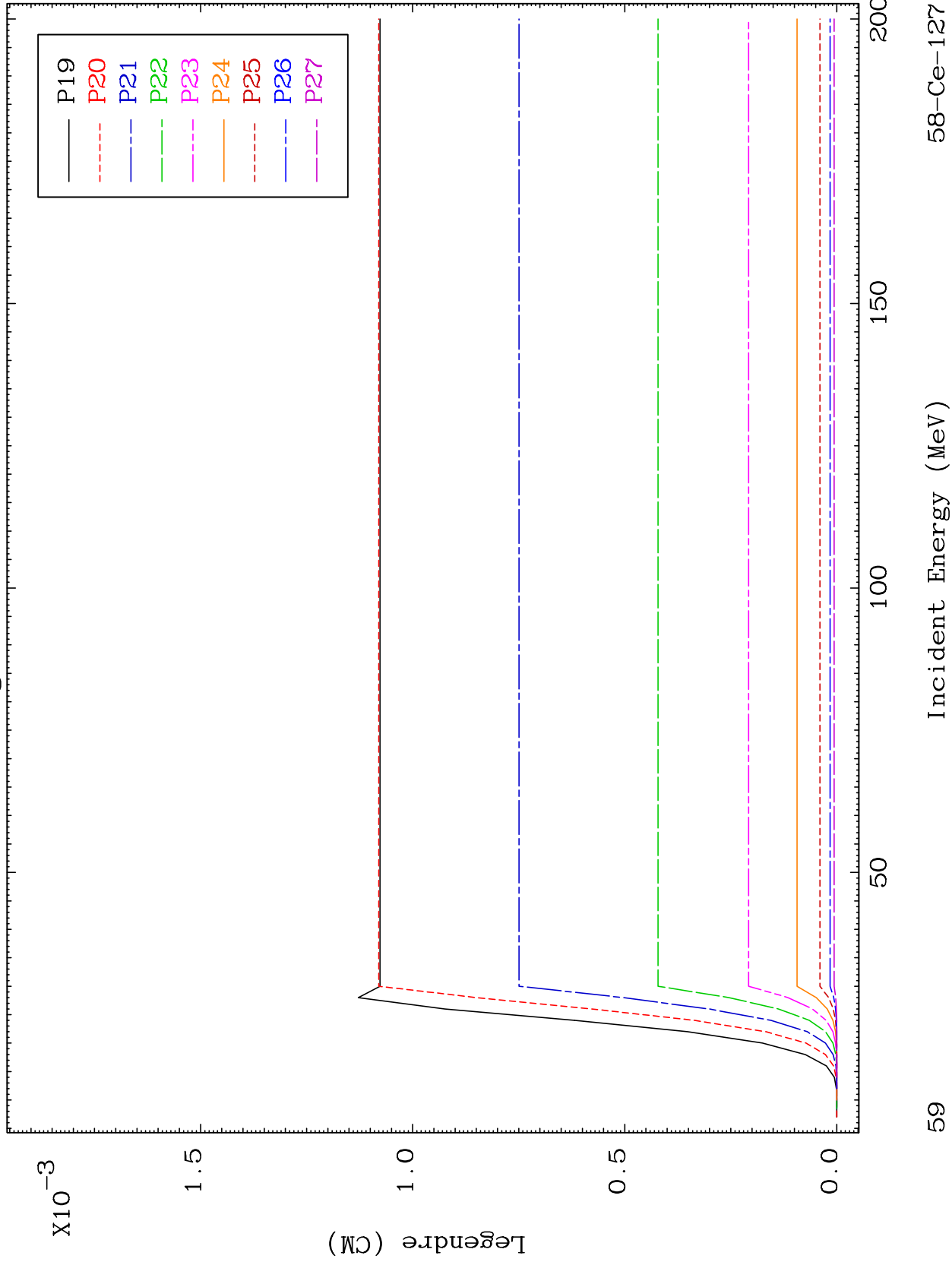
Incident Energy (MeV)

58

MAT 5798

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

58-Ce-127



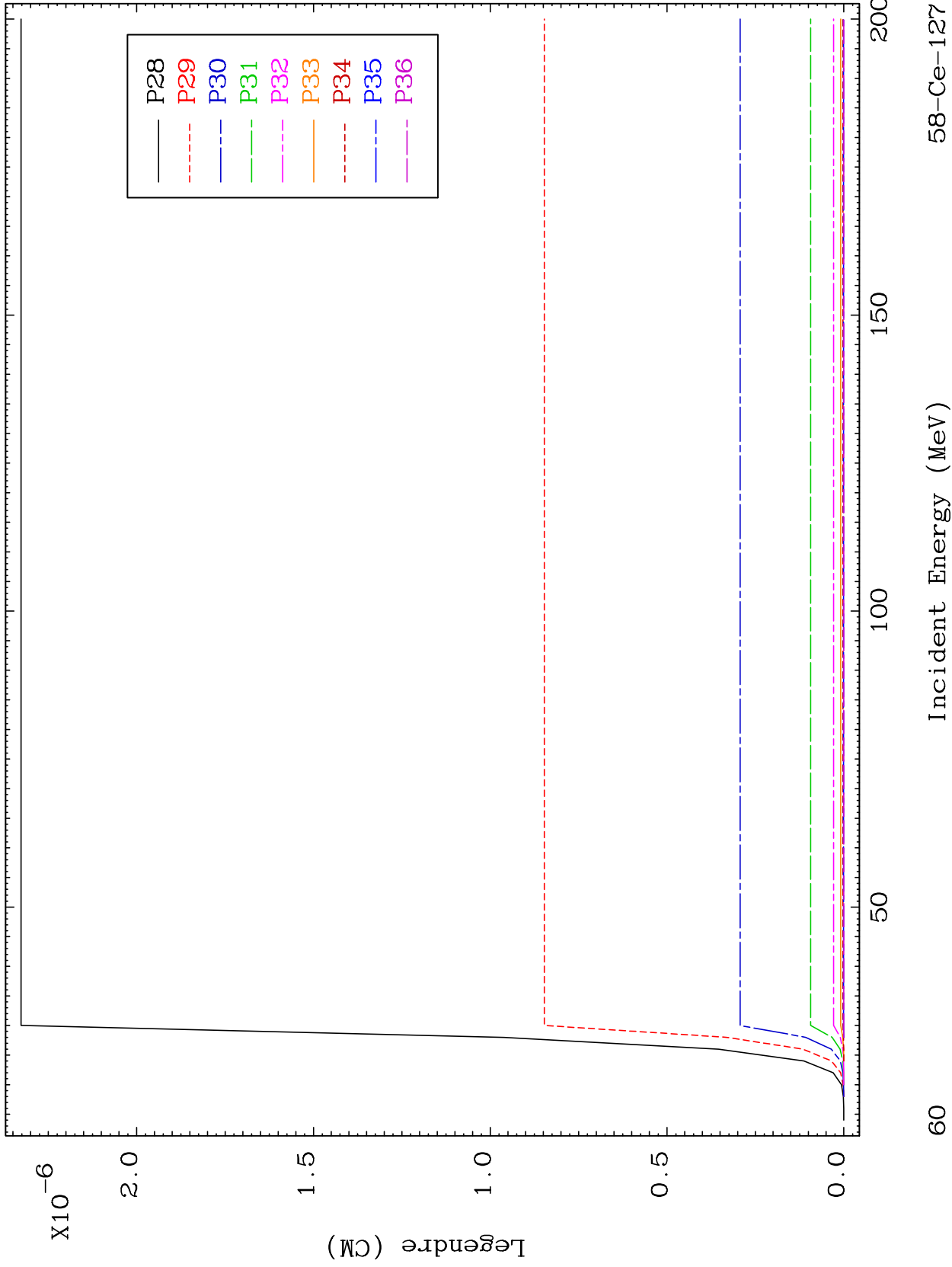
59

58-Ce-127

MAT 5798

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

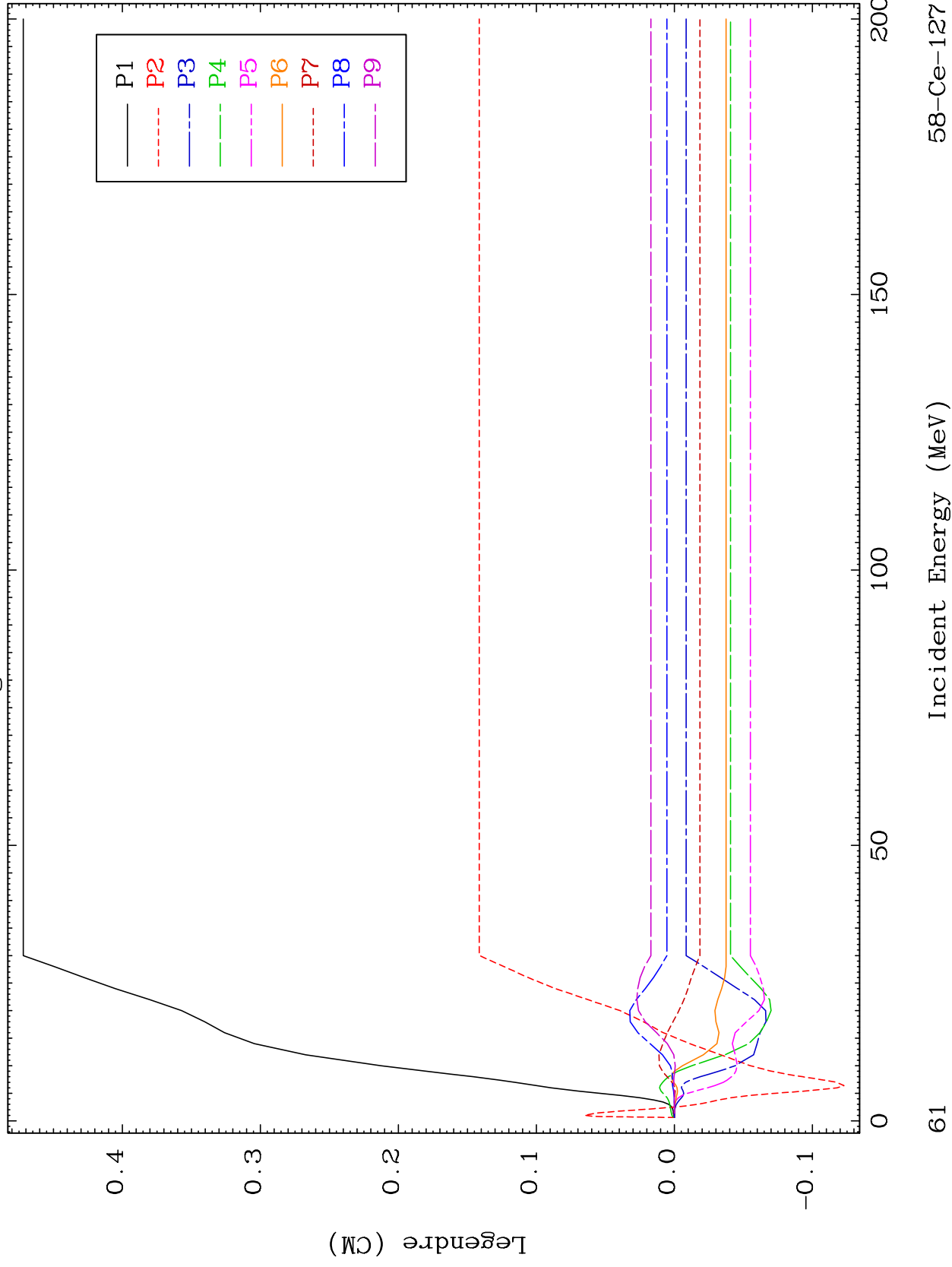
58-Ce-127



MAT 5798

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

58-Ce-127



58-Ce-127

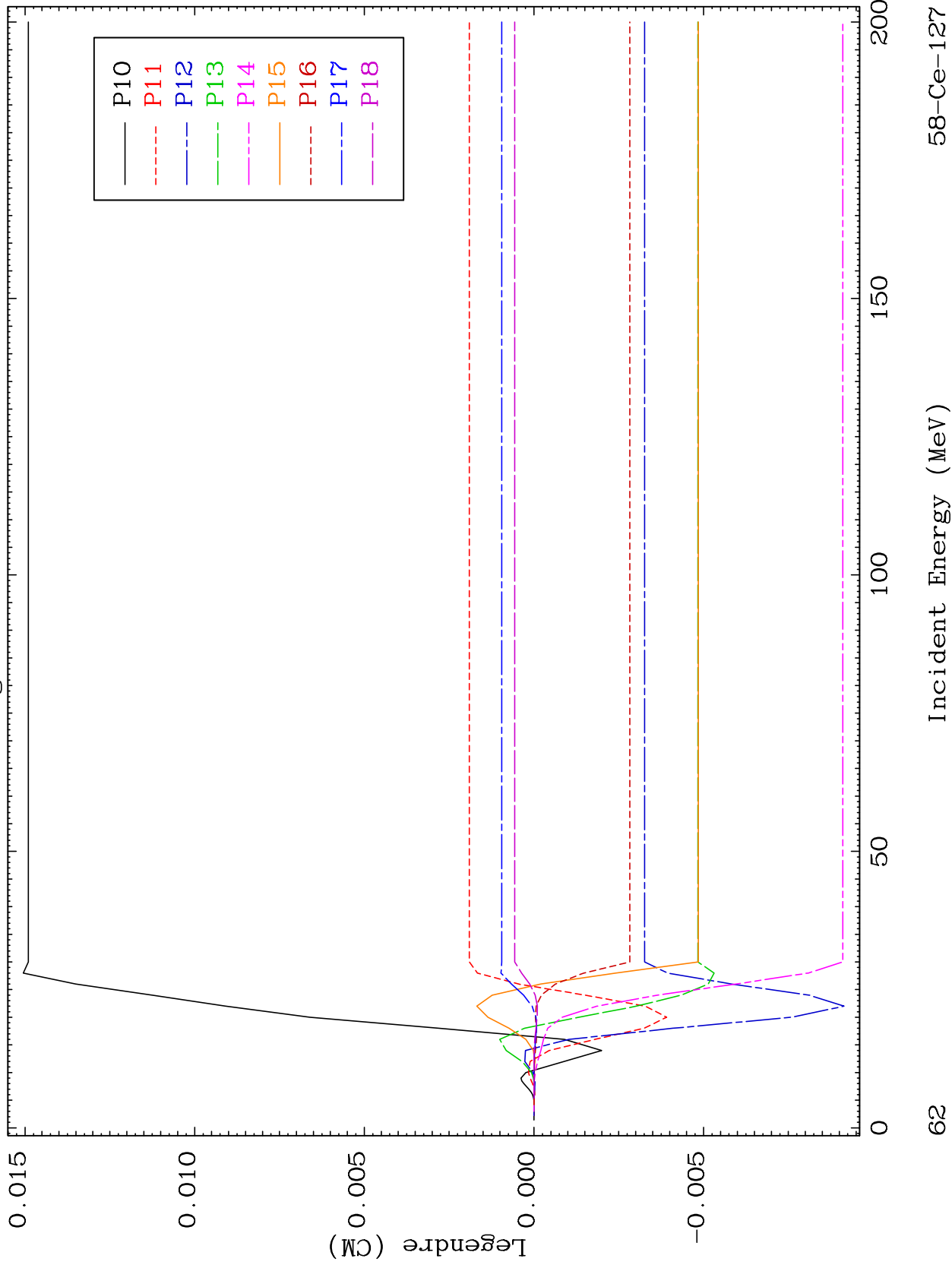
Incident Energy (MeV)

61

MAT 5798

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

58-Ce-127



58-Ce-127

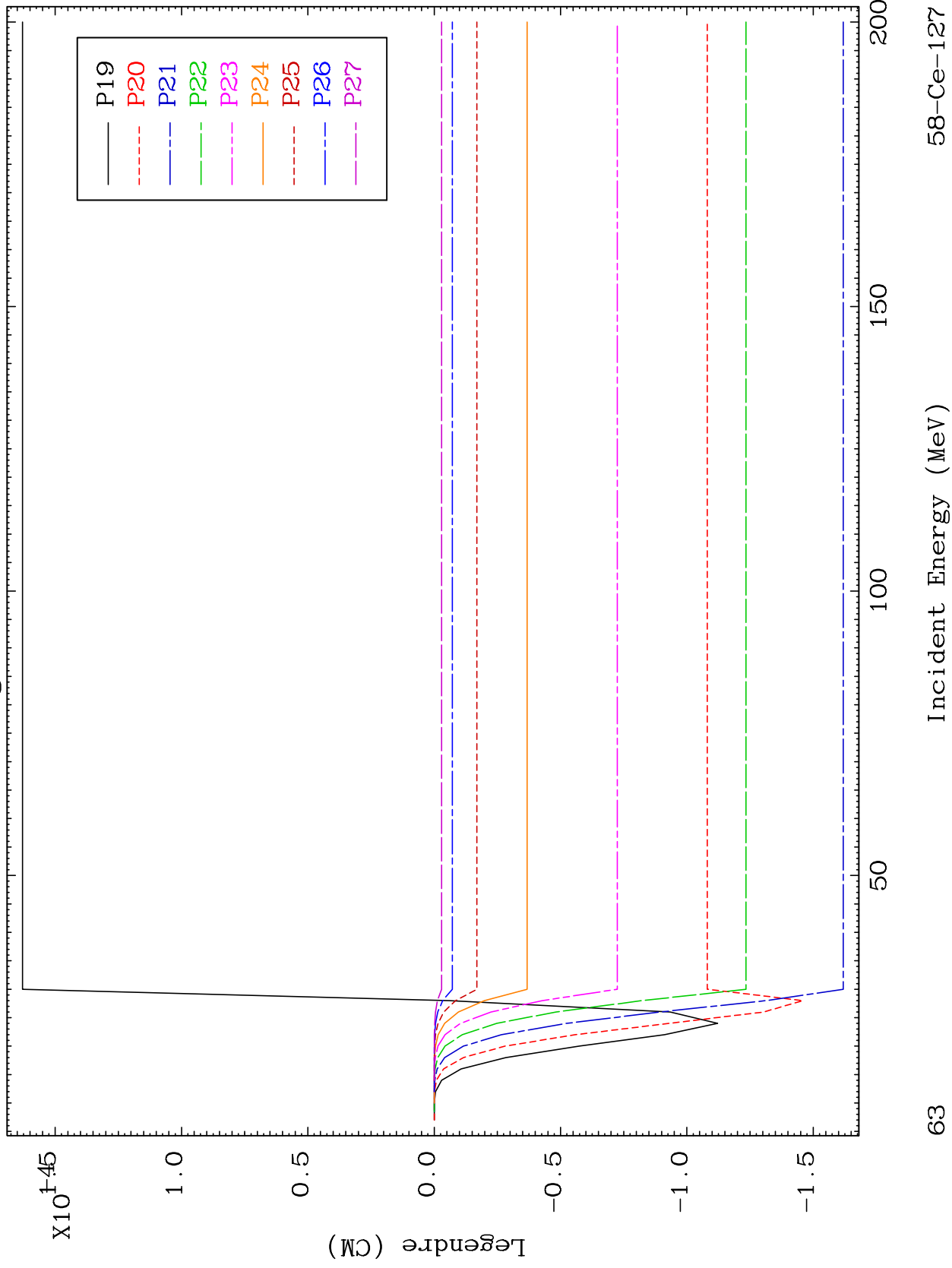
Incident Energy (MeV)

62

MAT 5798

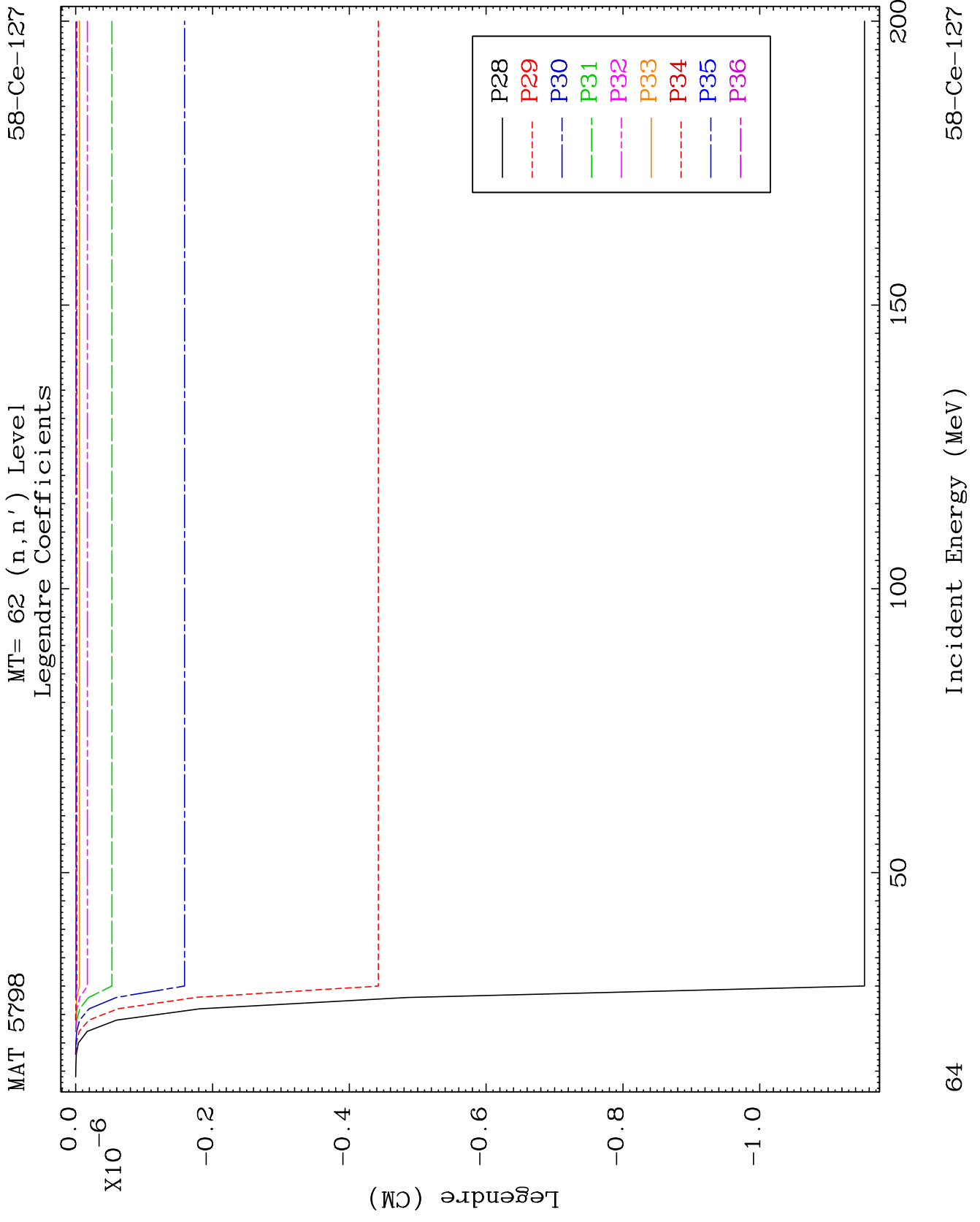
MT= 62 (n,n') Level
Legendre Coefficients

58-Ce-127



63

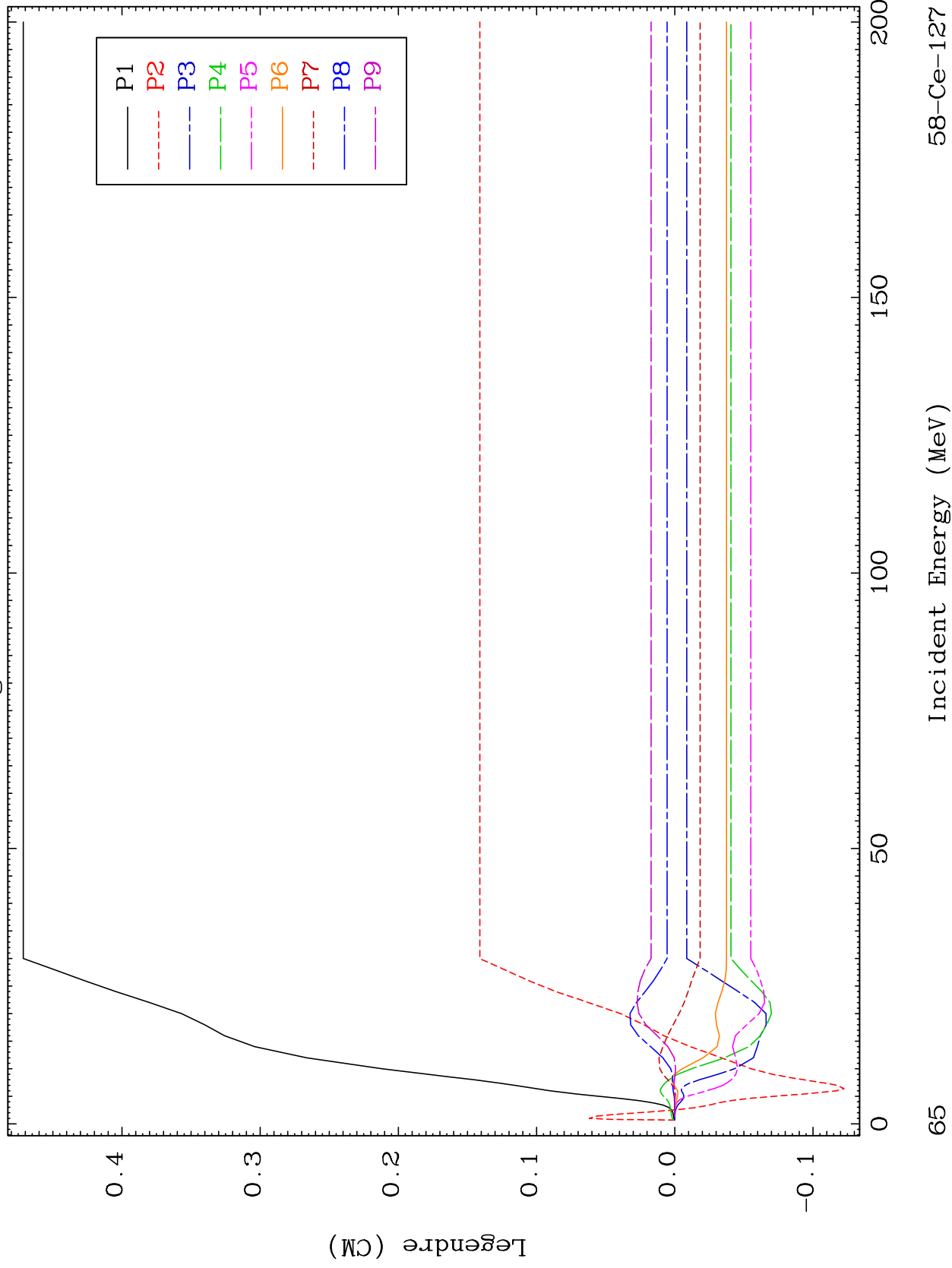
58-Ce-127



MAT 5798

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

58-Ce-127



58-Ce-127

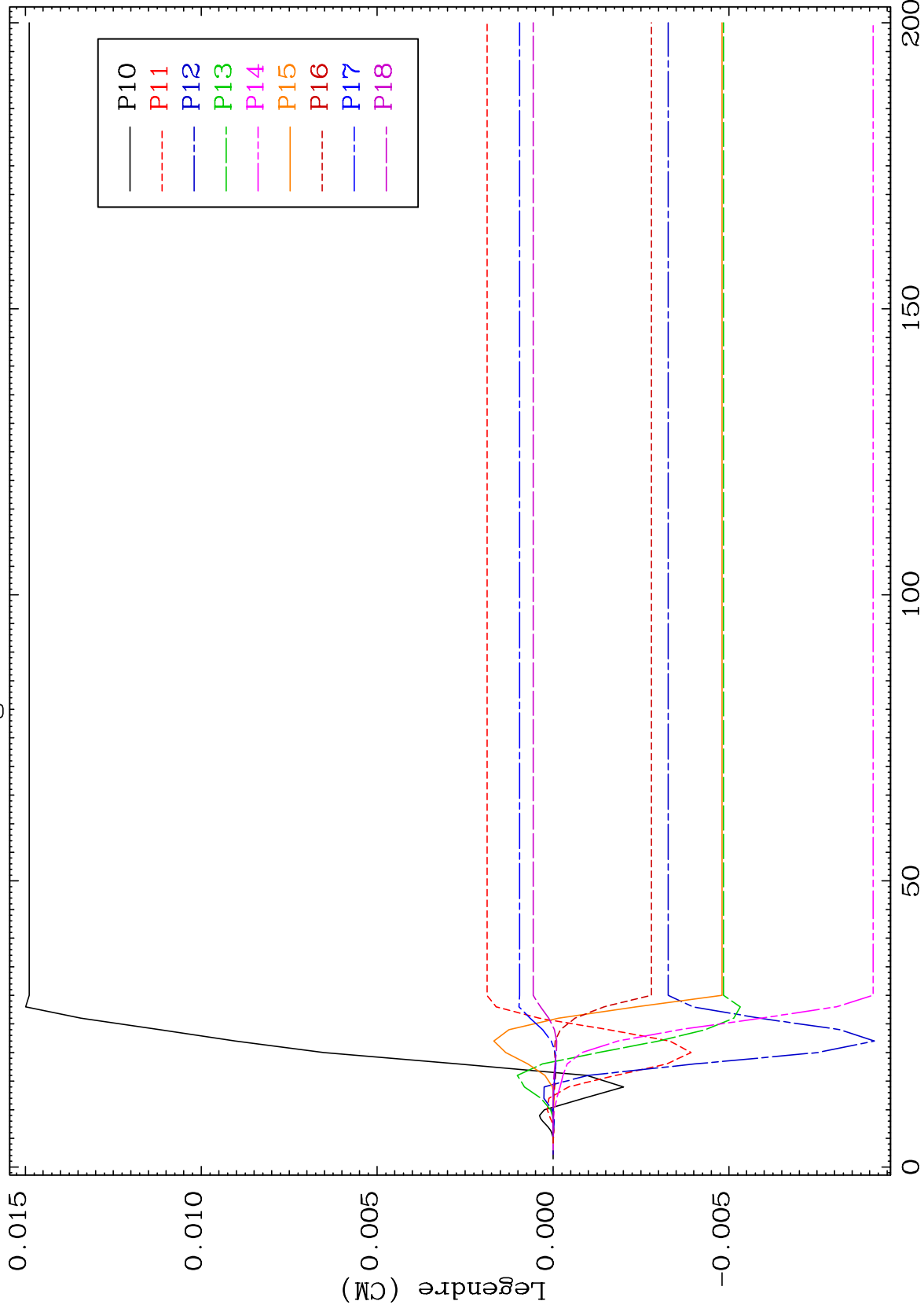
Incident Energy (MeV)

65

MAT 5798

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

58-Ce-127



66

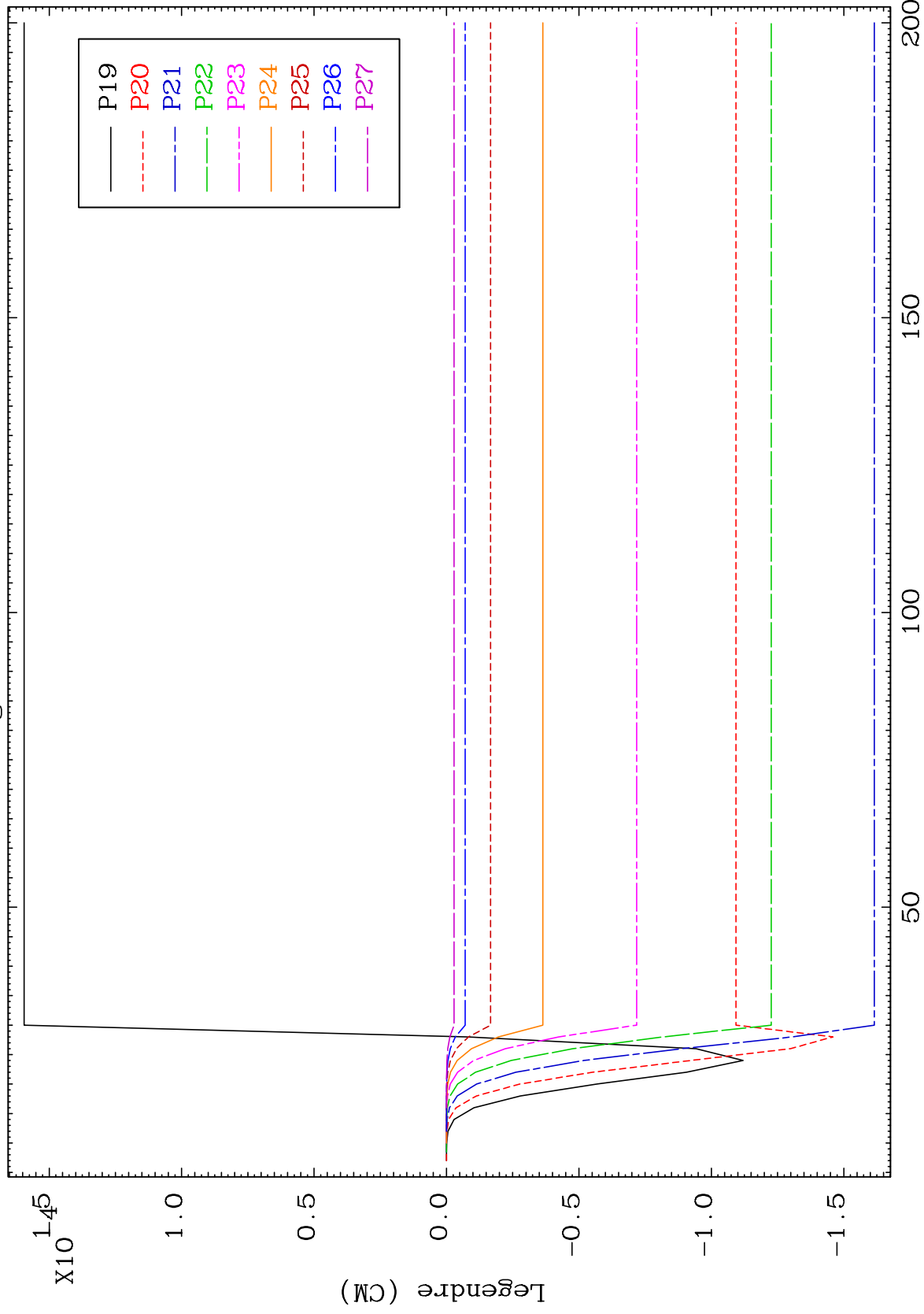
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

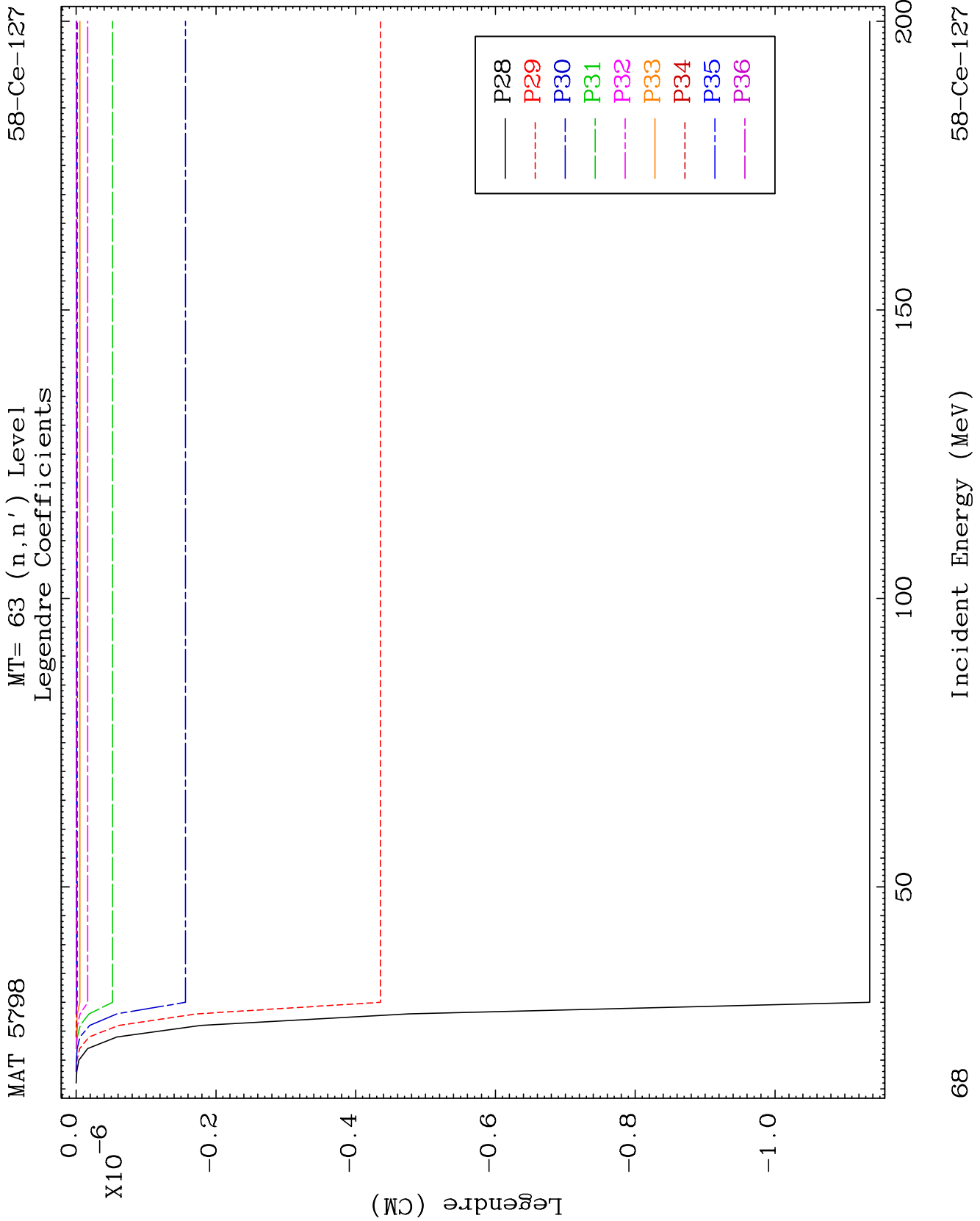
58-Ce-127

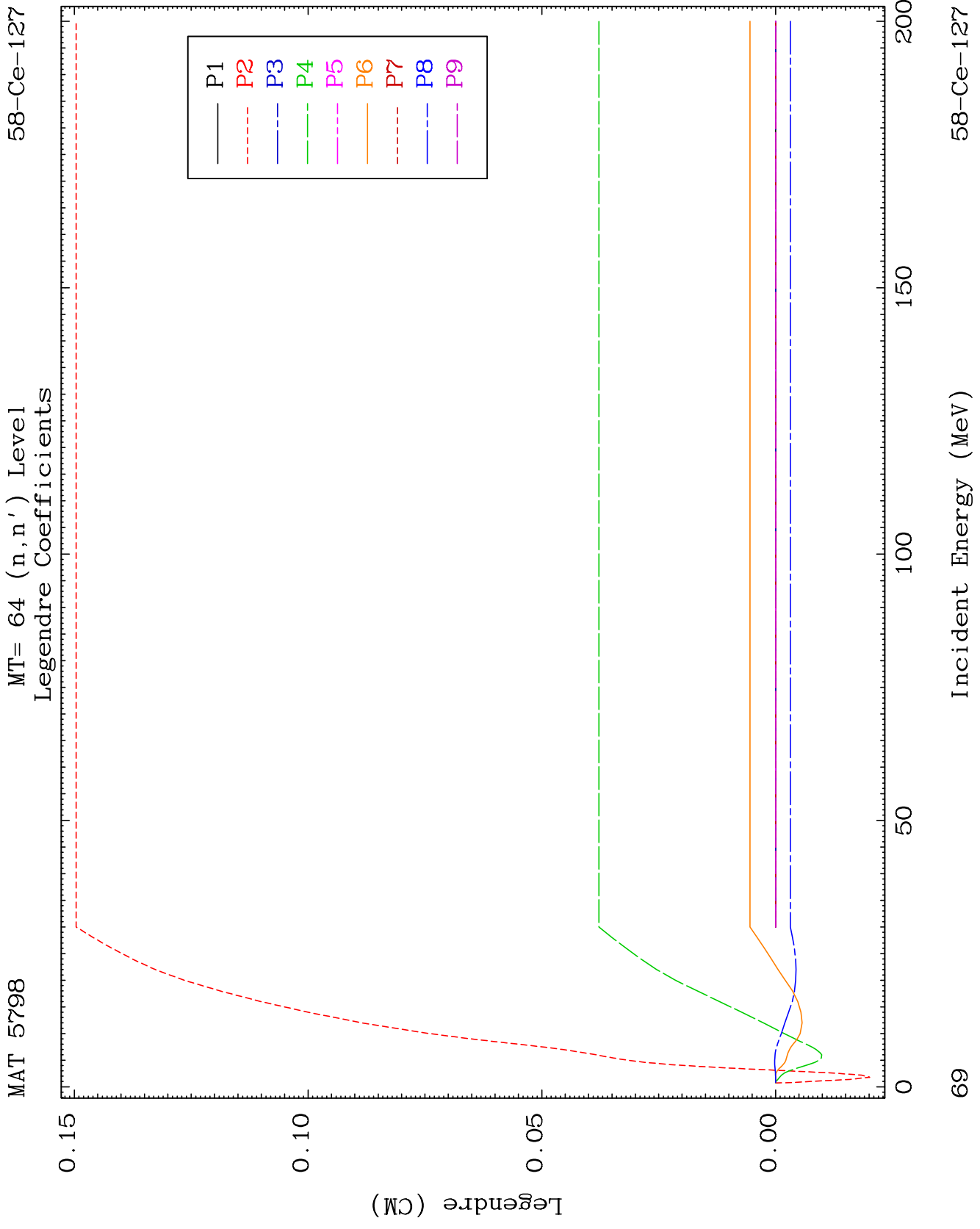


67

Incident Energy (MeV)

58-Ce-127

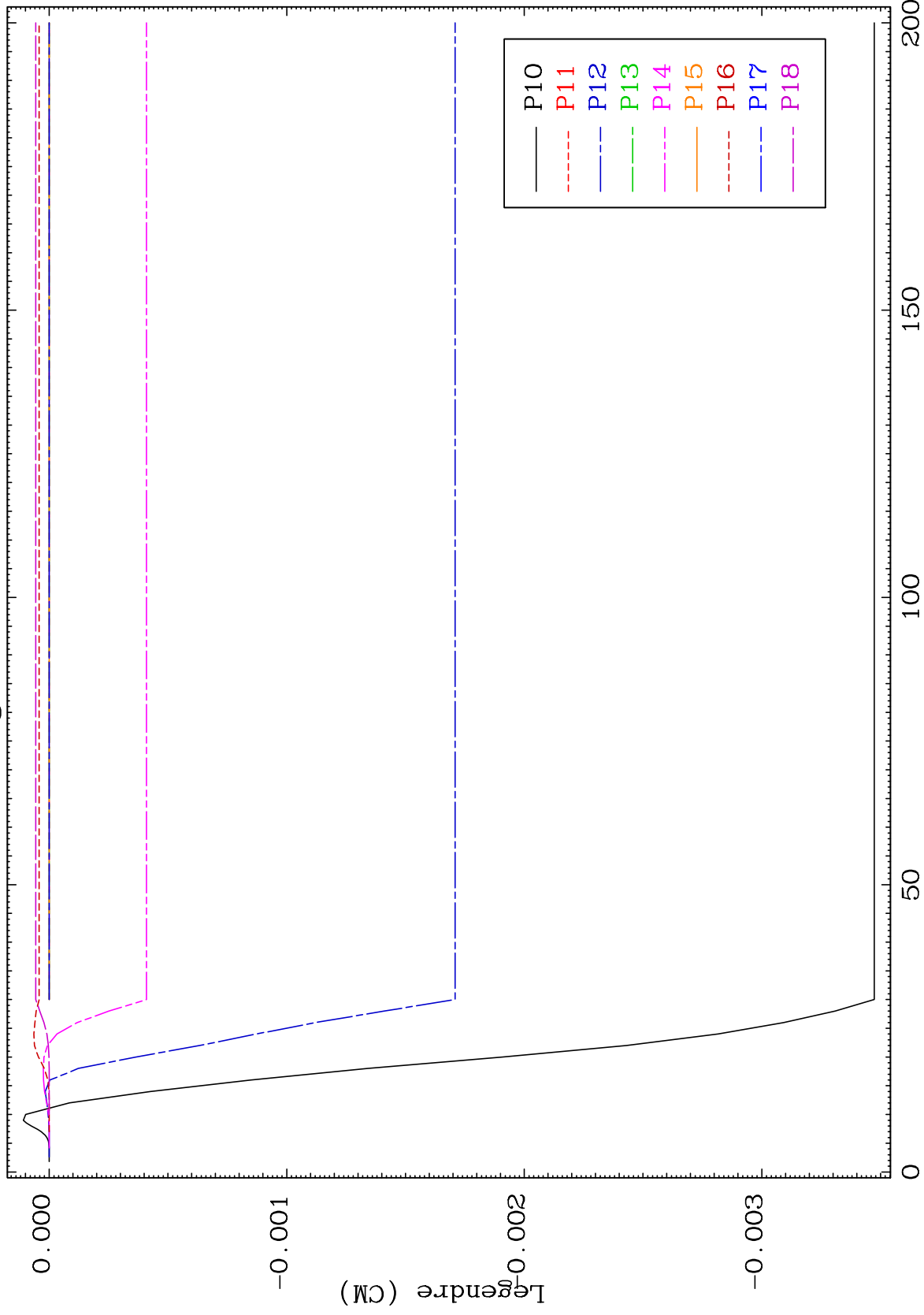




MAT 5798

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

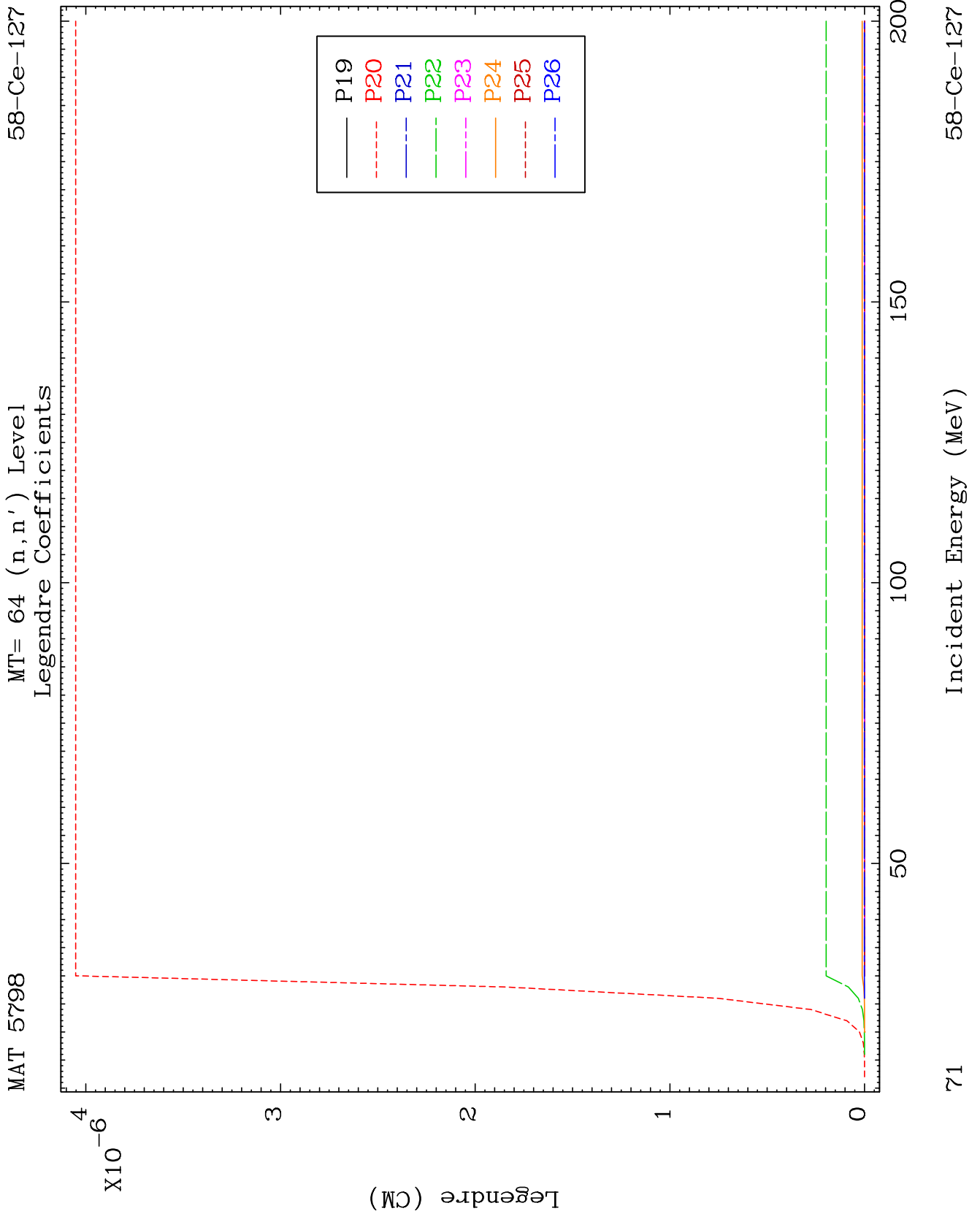
58-Ce-127



70

Incident Energy (MeV)

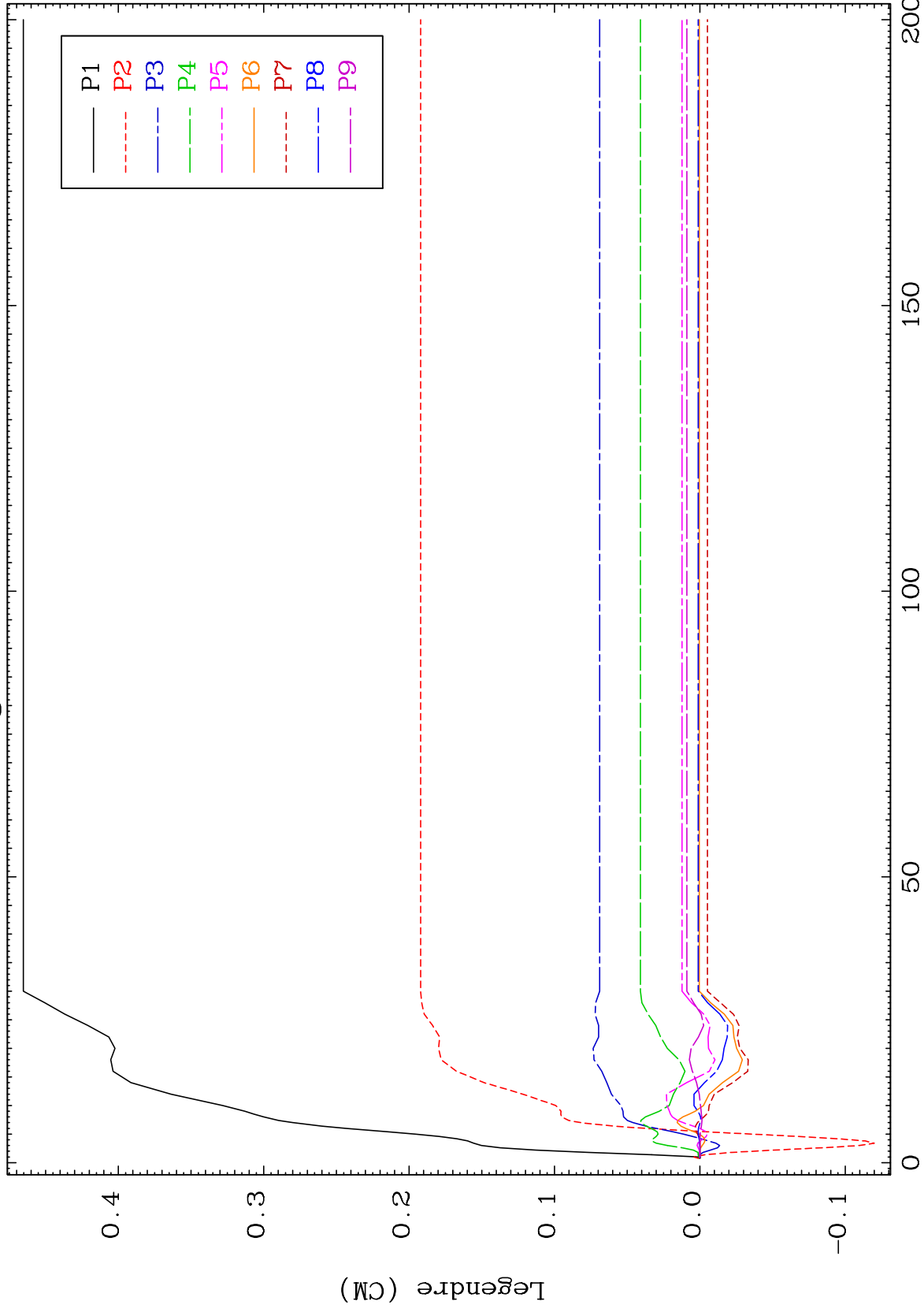
58-Ce-127



MAT 5798

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

58-Ce-127



72

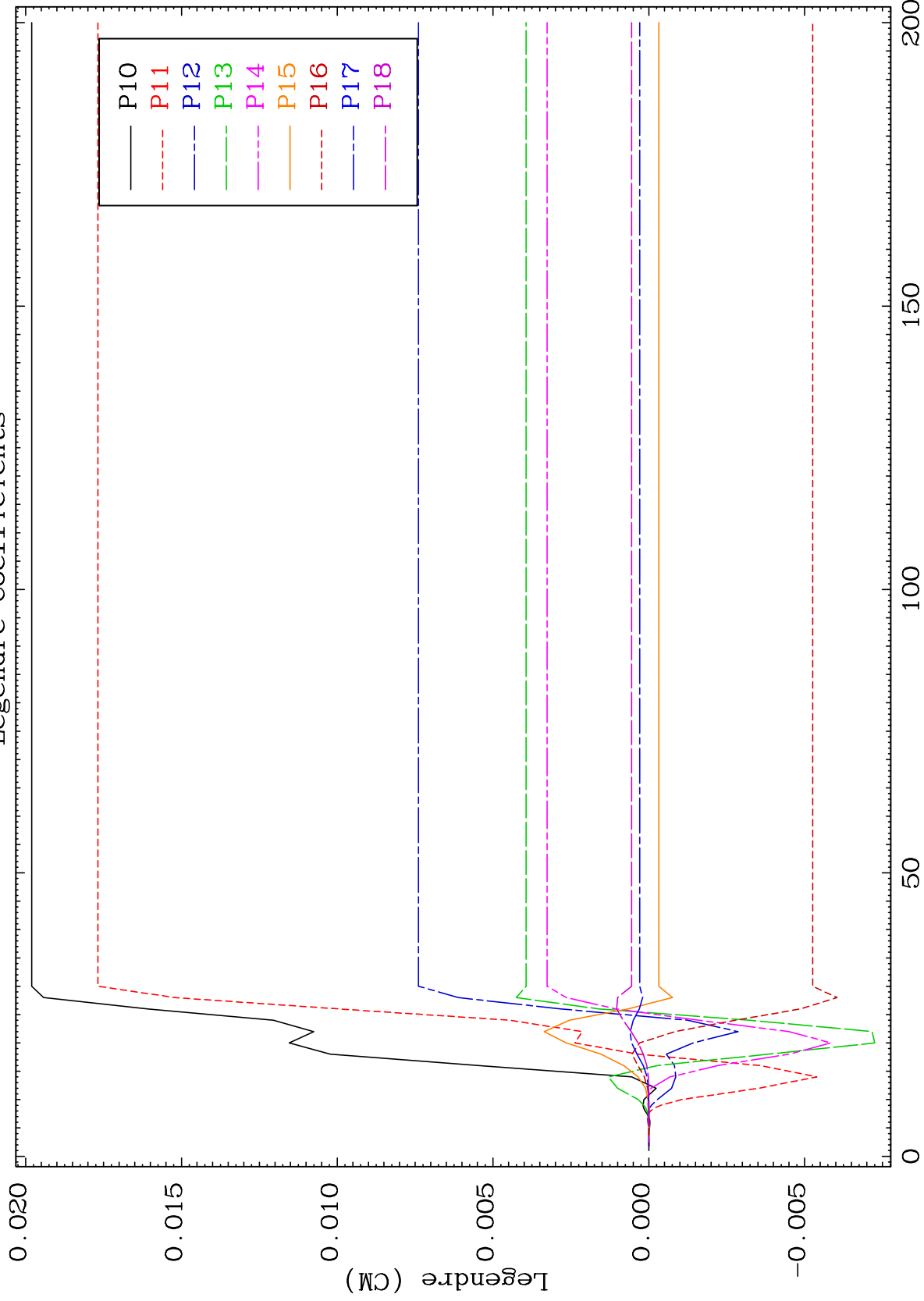
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



73

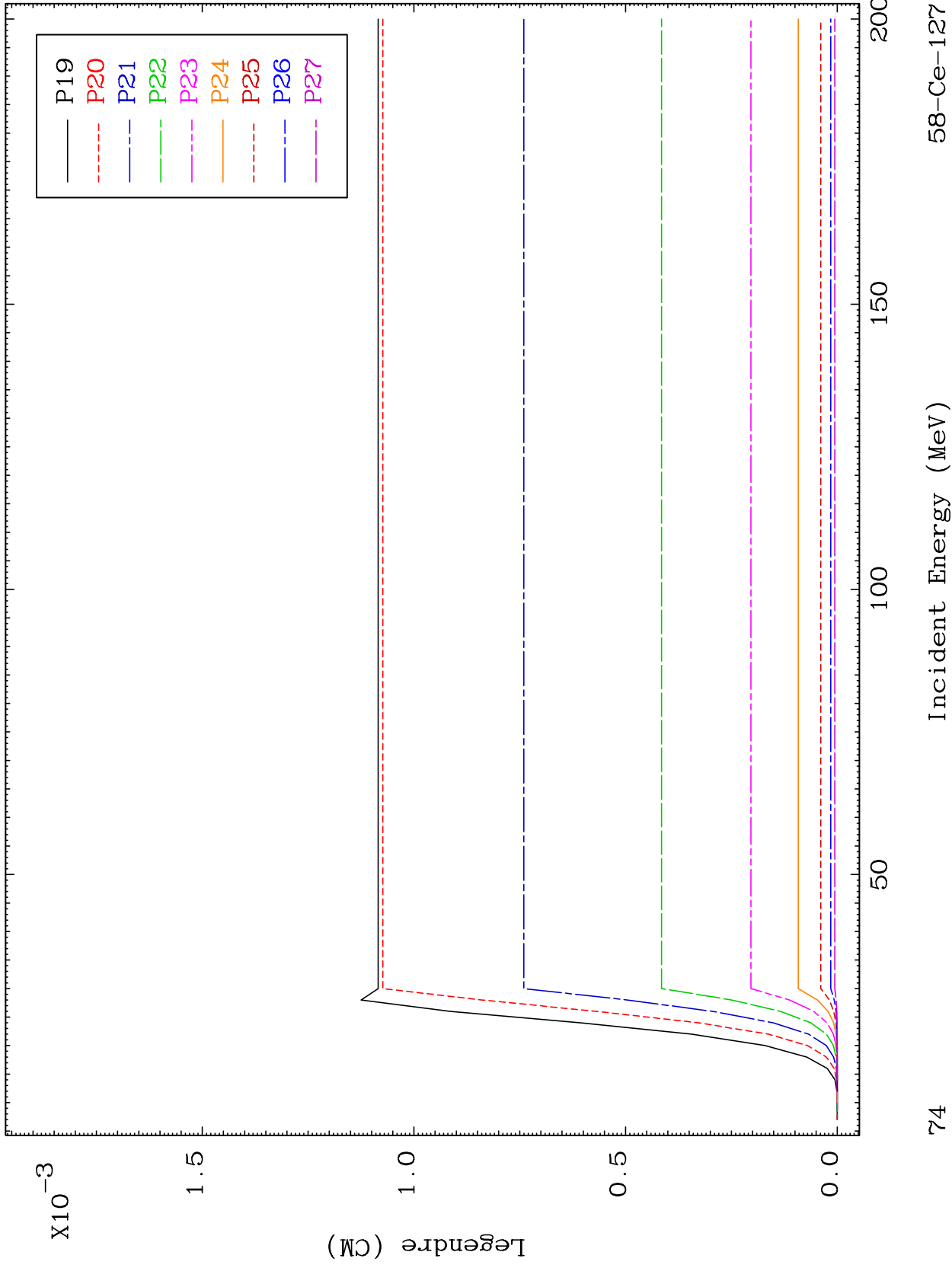
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

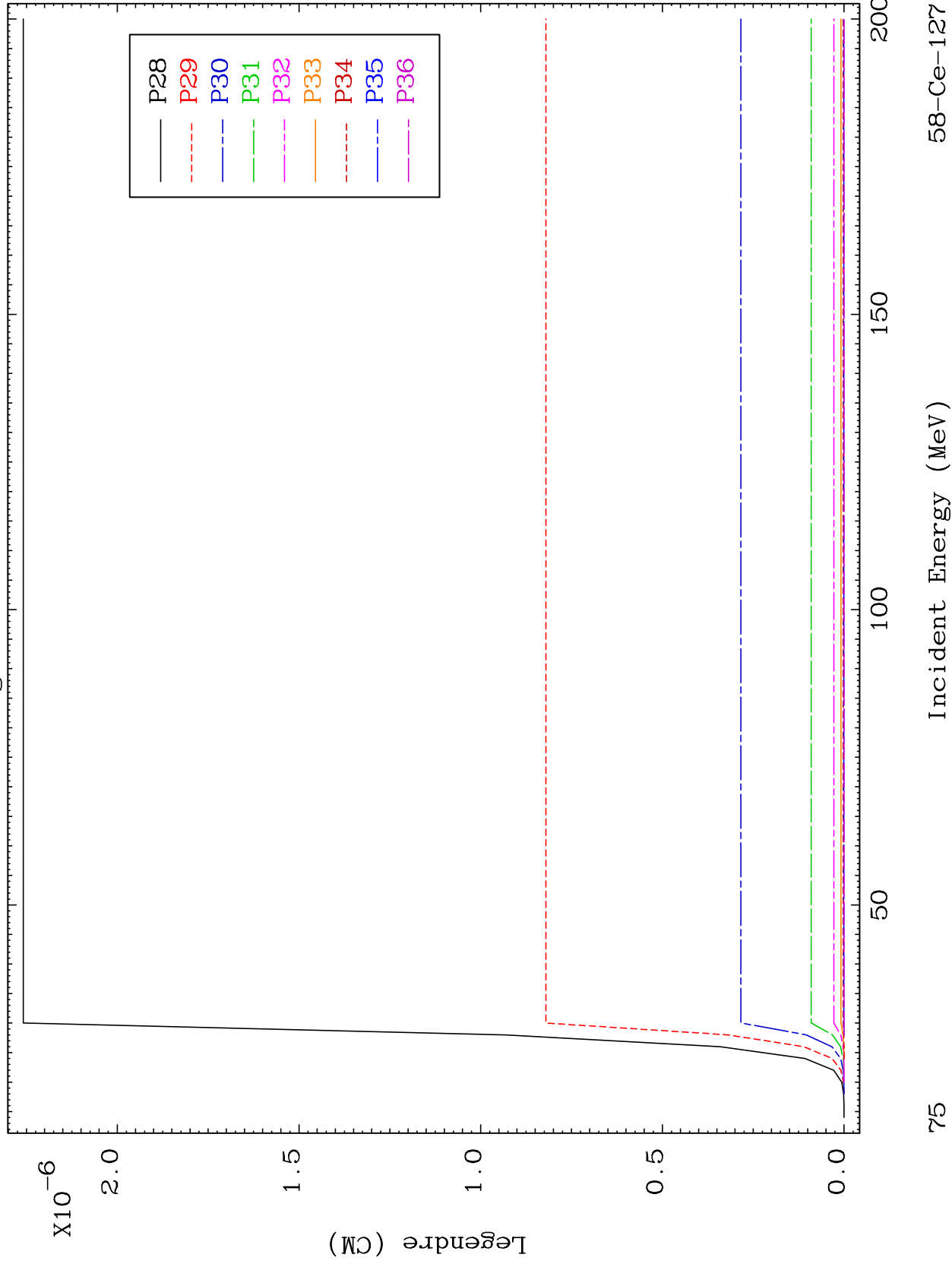
58-Ce-127



MAT 5798

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

58-Ce-127



58-Ce-127

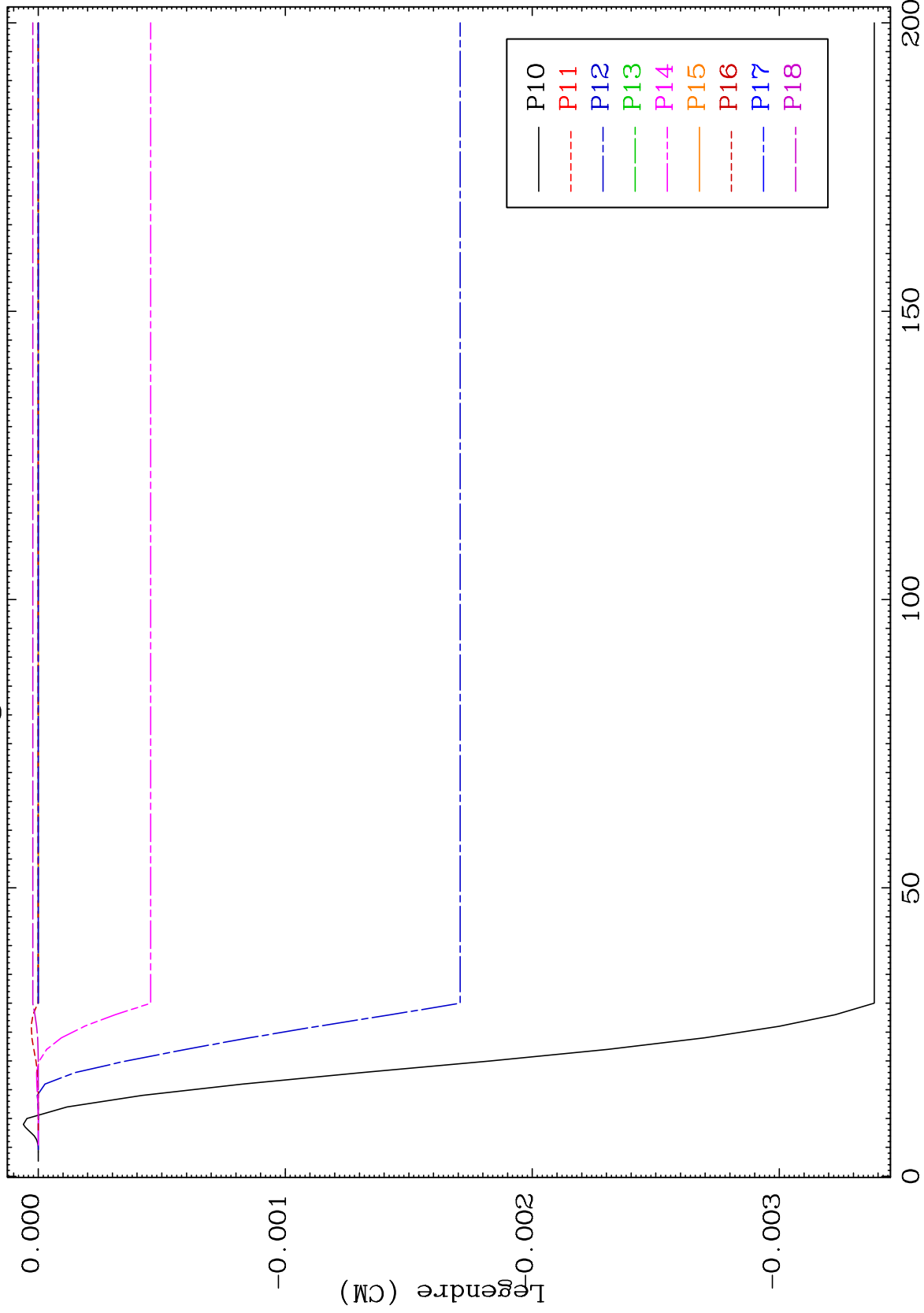
Incident Energy (MeV)

75

MAT 5798

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

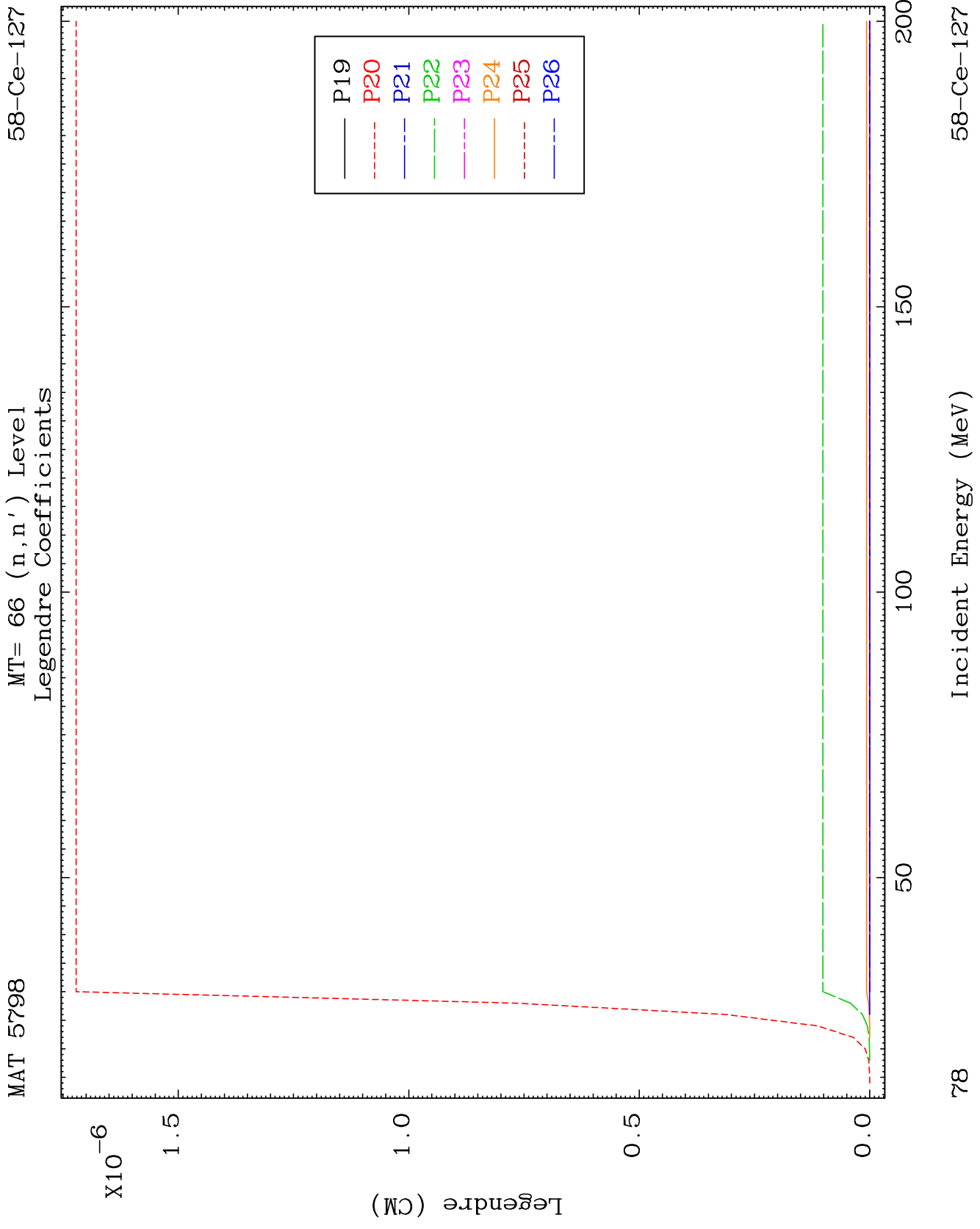
58-Ce-127



77

Incident Energy (MeV)

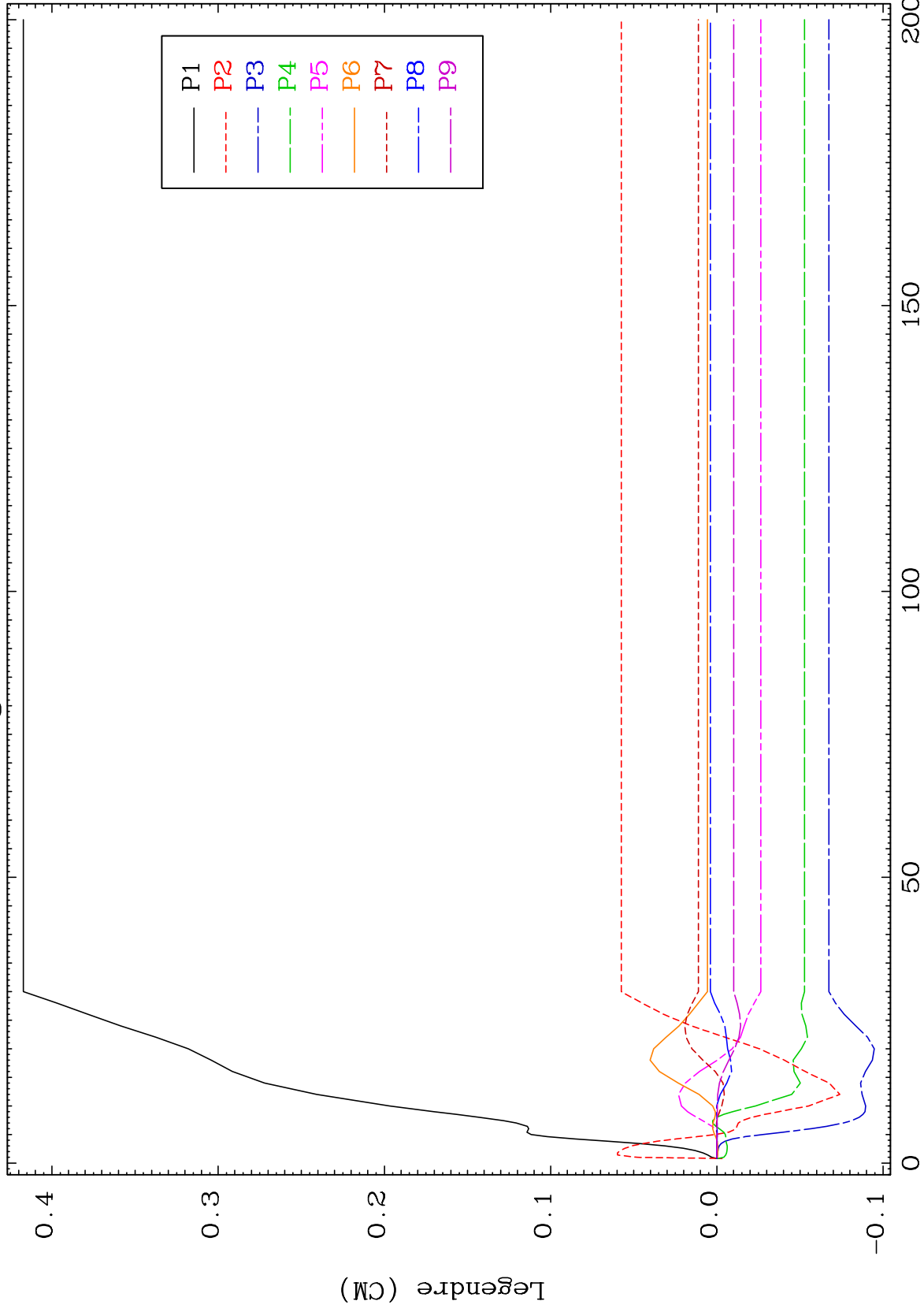
58-Ce-127



MAT 5798

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

58-Ce-127



79

Incident Energy (MeV)

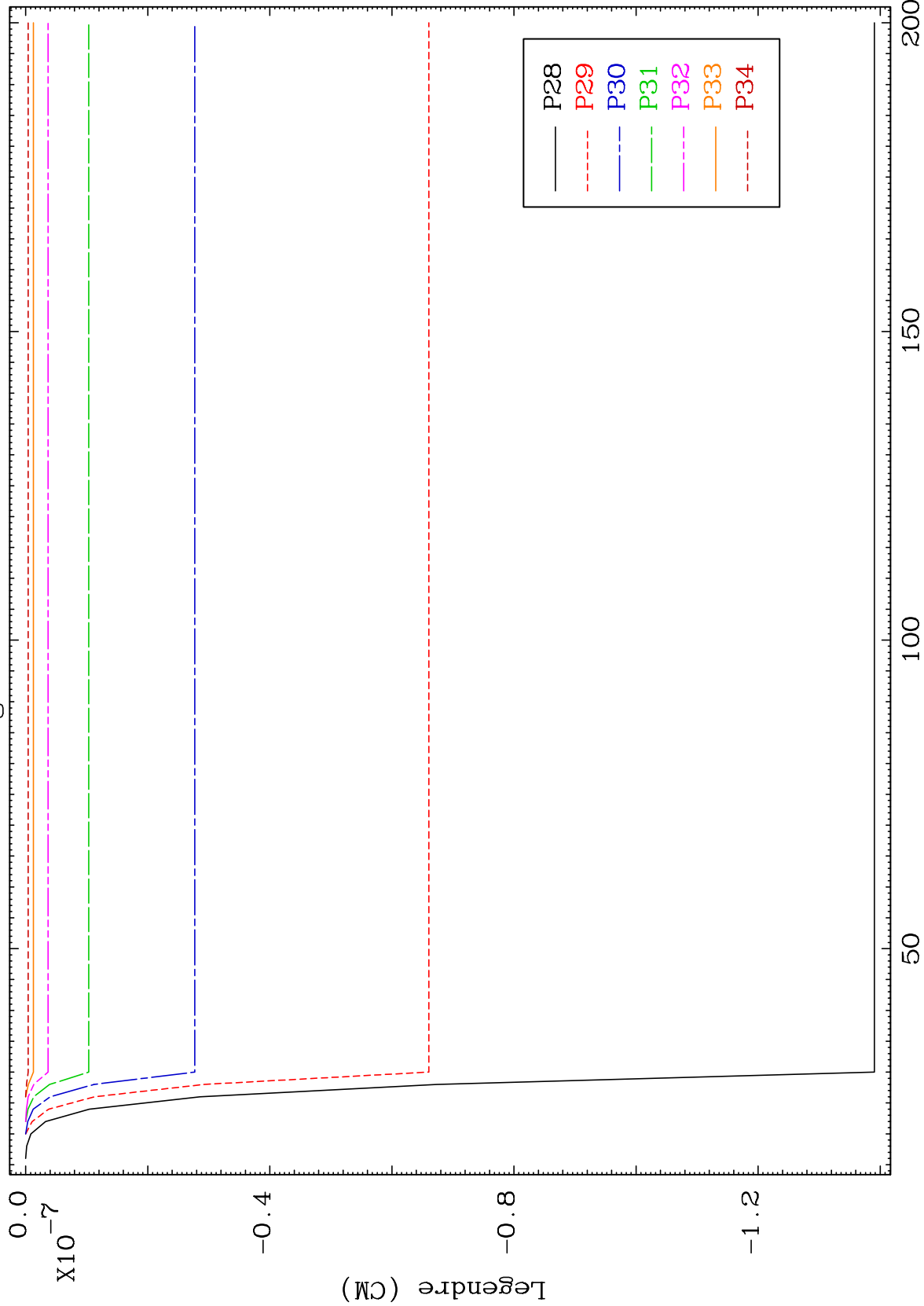
58-Ce-127

MAT 5798

MT= 67 (n,n') Level

58-Ce-127

Legendre Coefficients



82

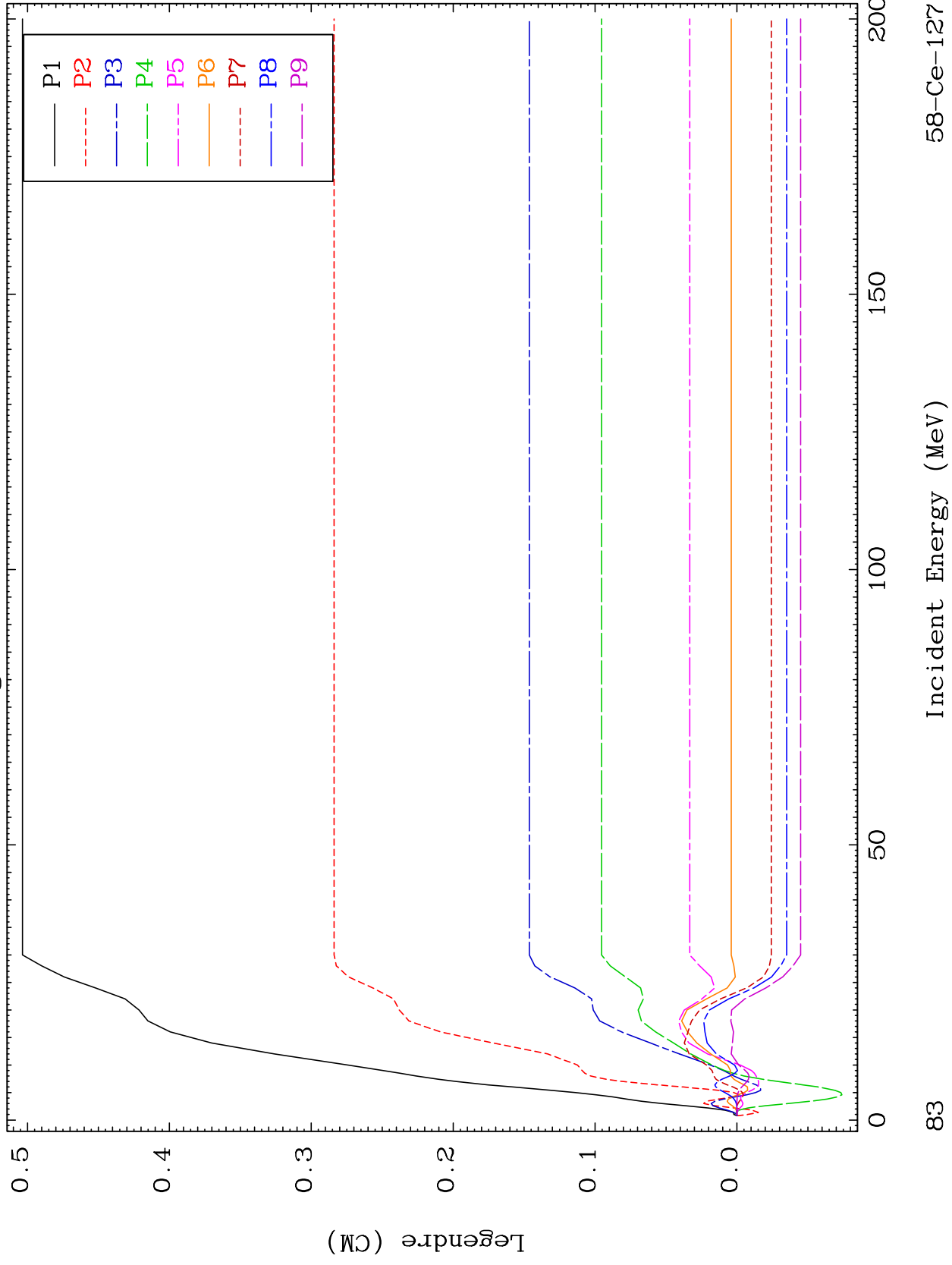
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



58-Ce-127

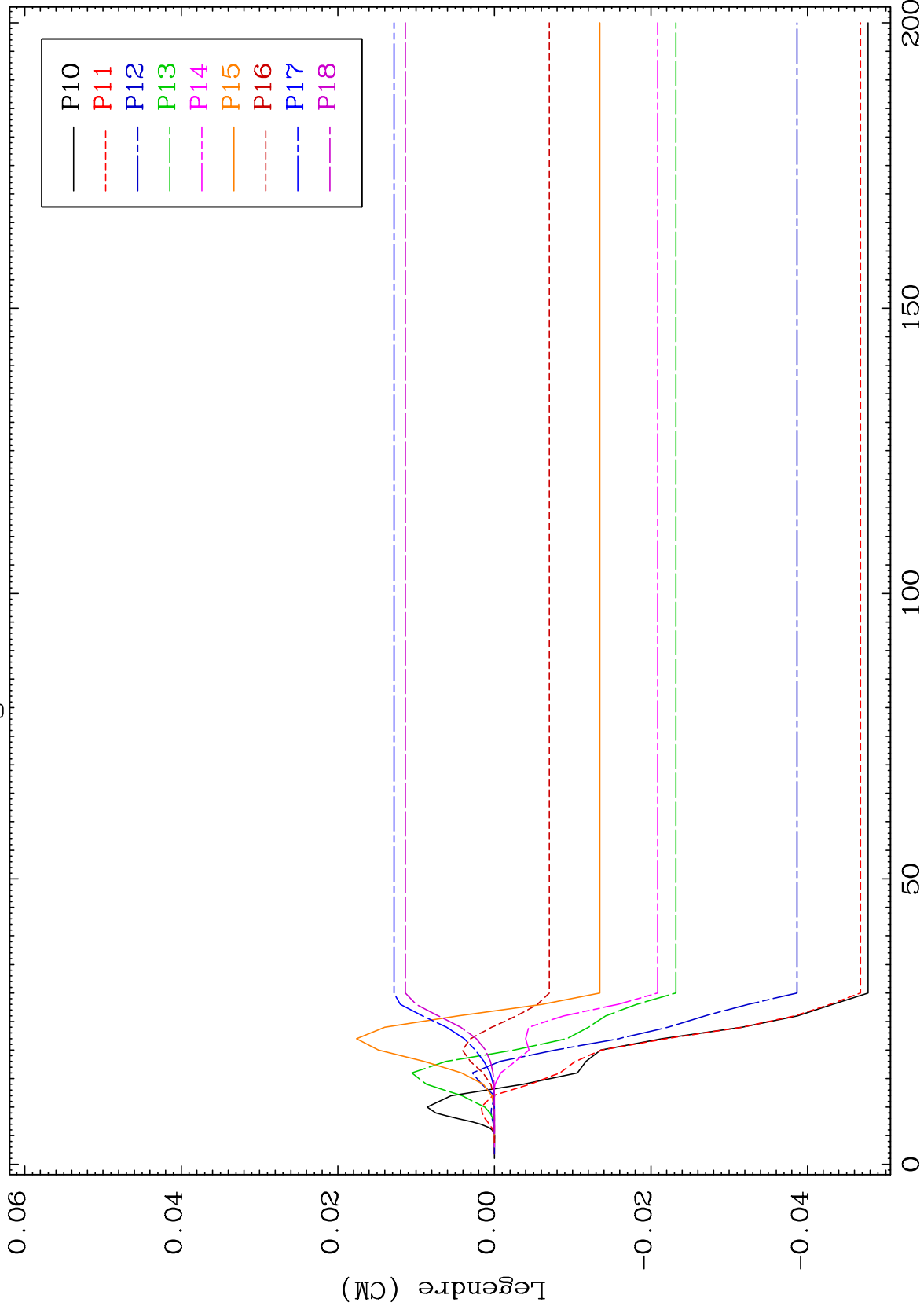
Incident Energy (MeV)

83

MAT 5798

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

58-Ce-127



84

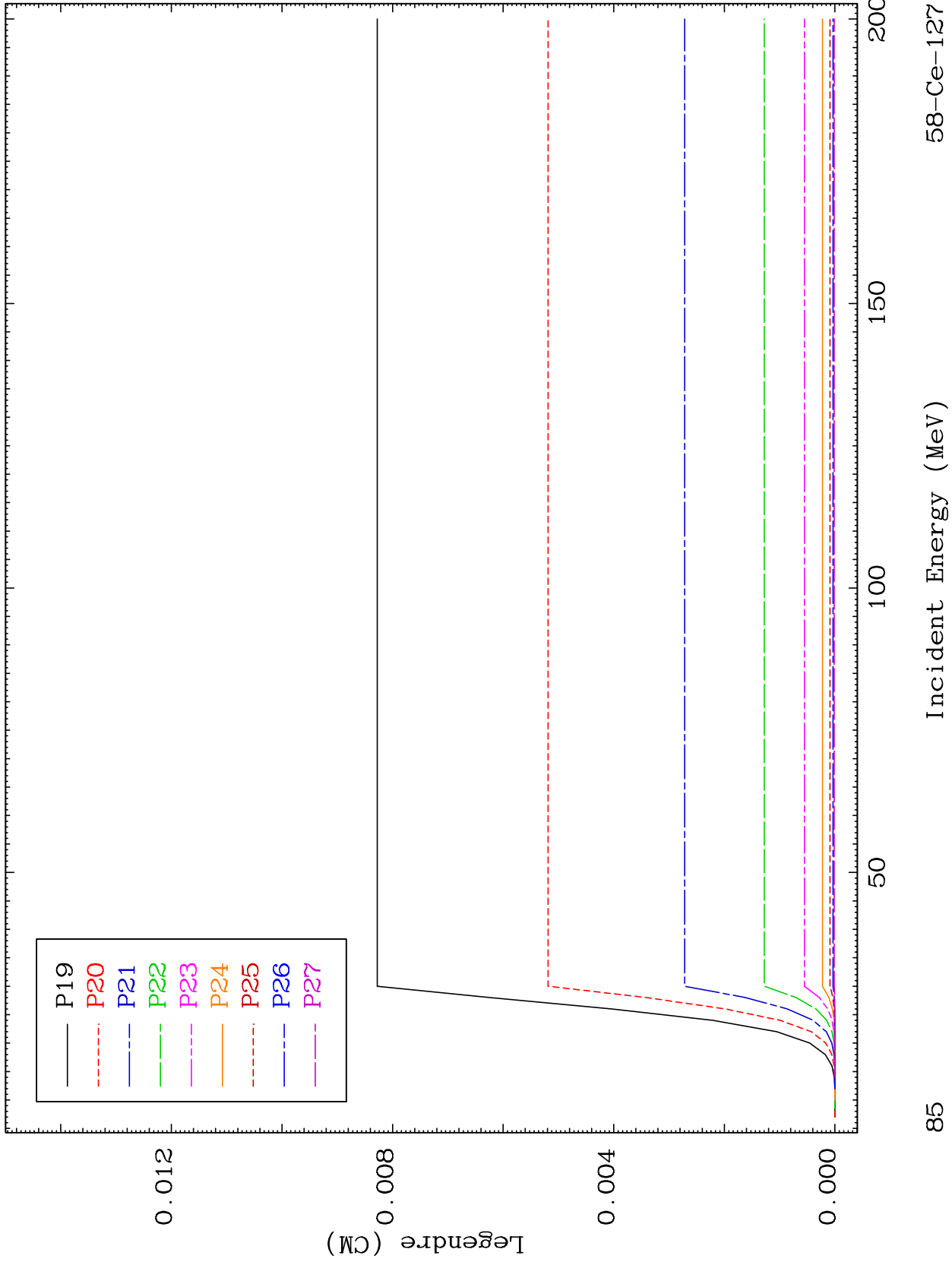
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



85

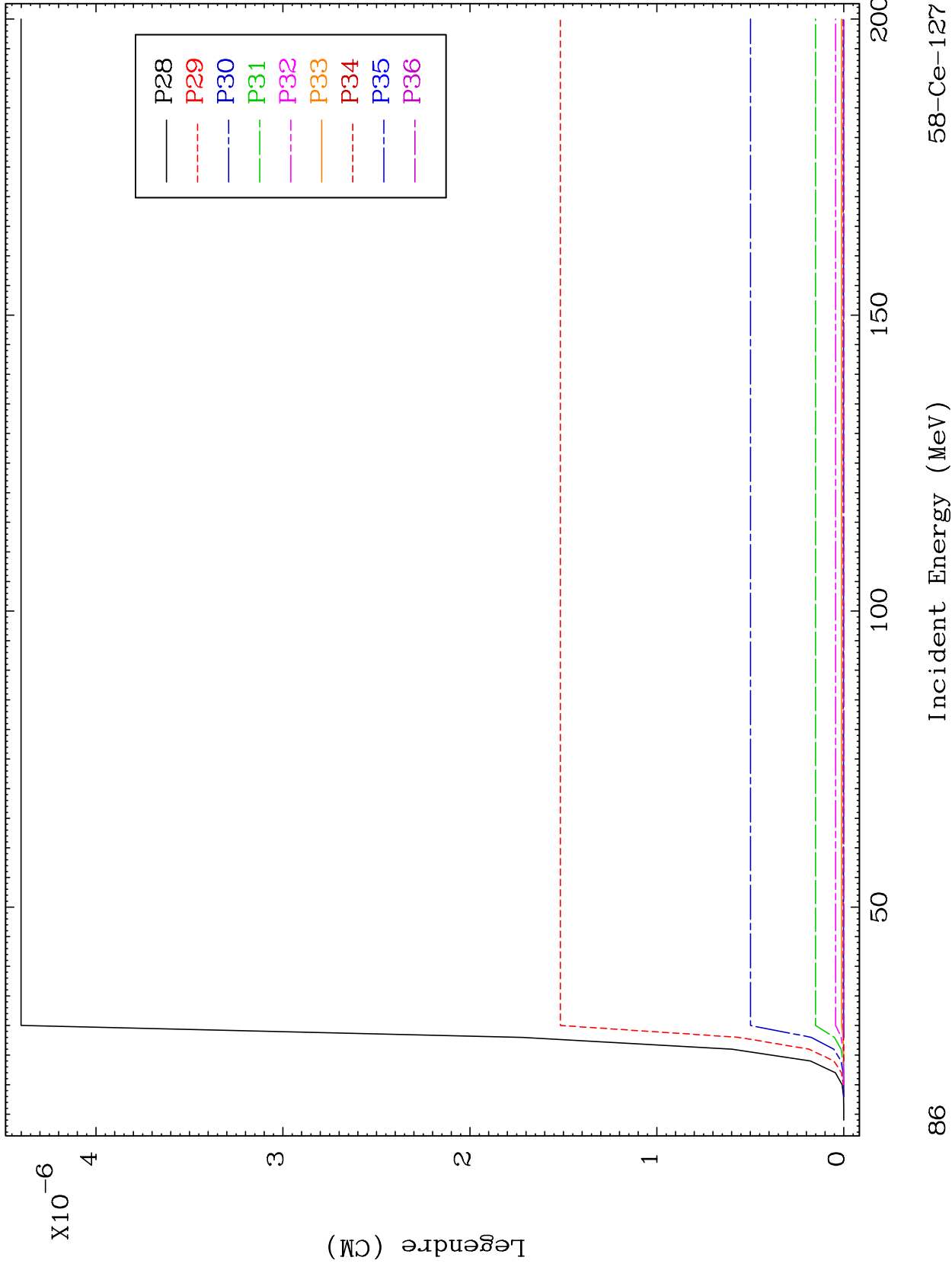
Incident Energy (MeV)

58-Ce-127

MAT 5798

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

58-Ce-127



86

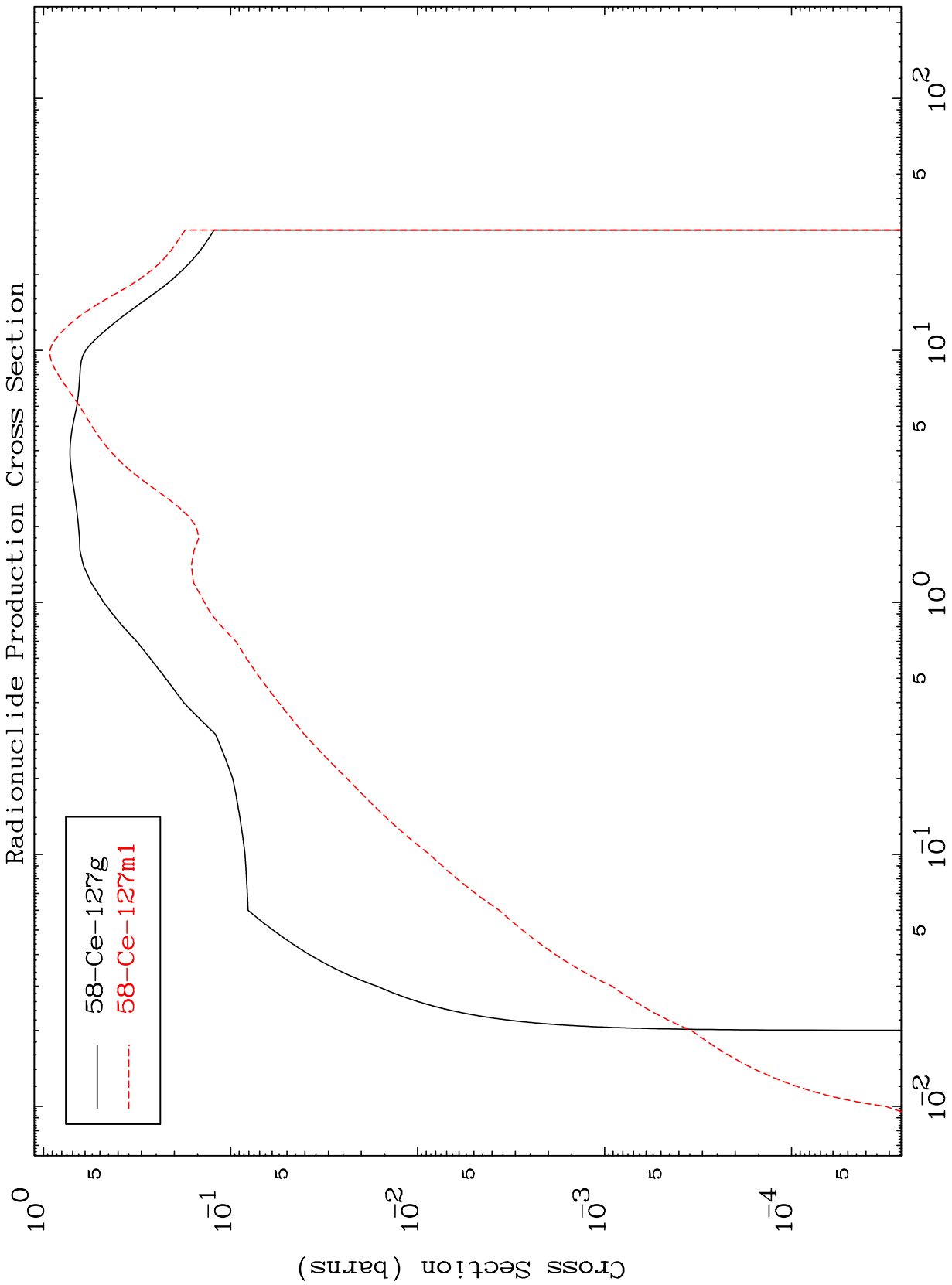
Incident Energy (MeV)

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)

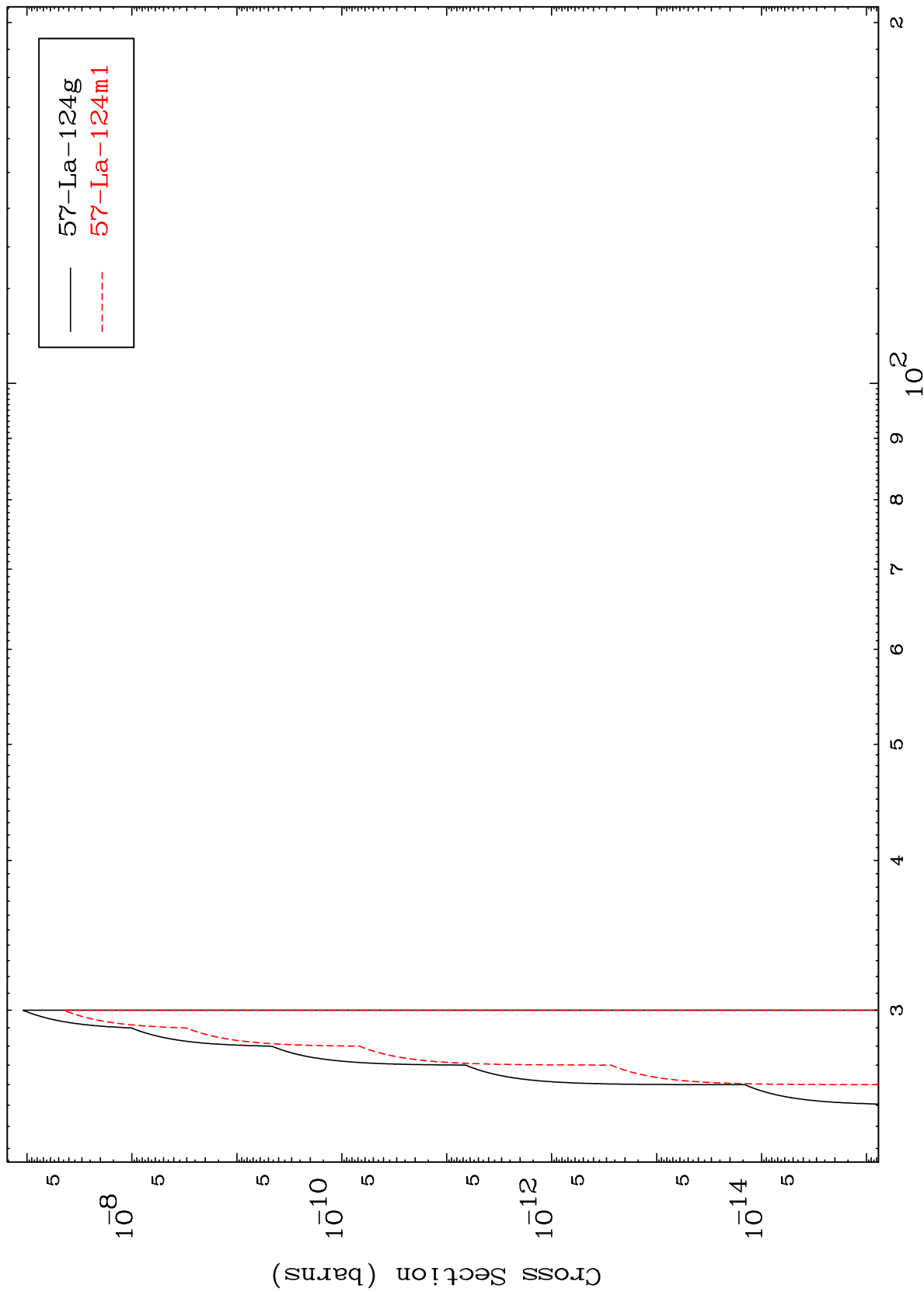
87

MAT 5798

58-Ce-127

(n,2n) d

Radionuclide Production Cross Section



88

Incident Energy (MeV)

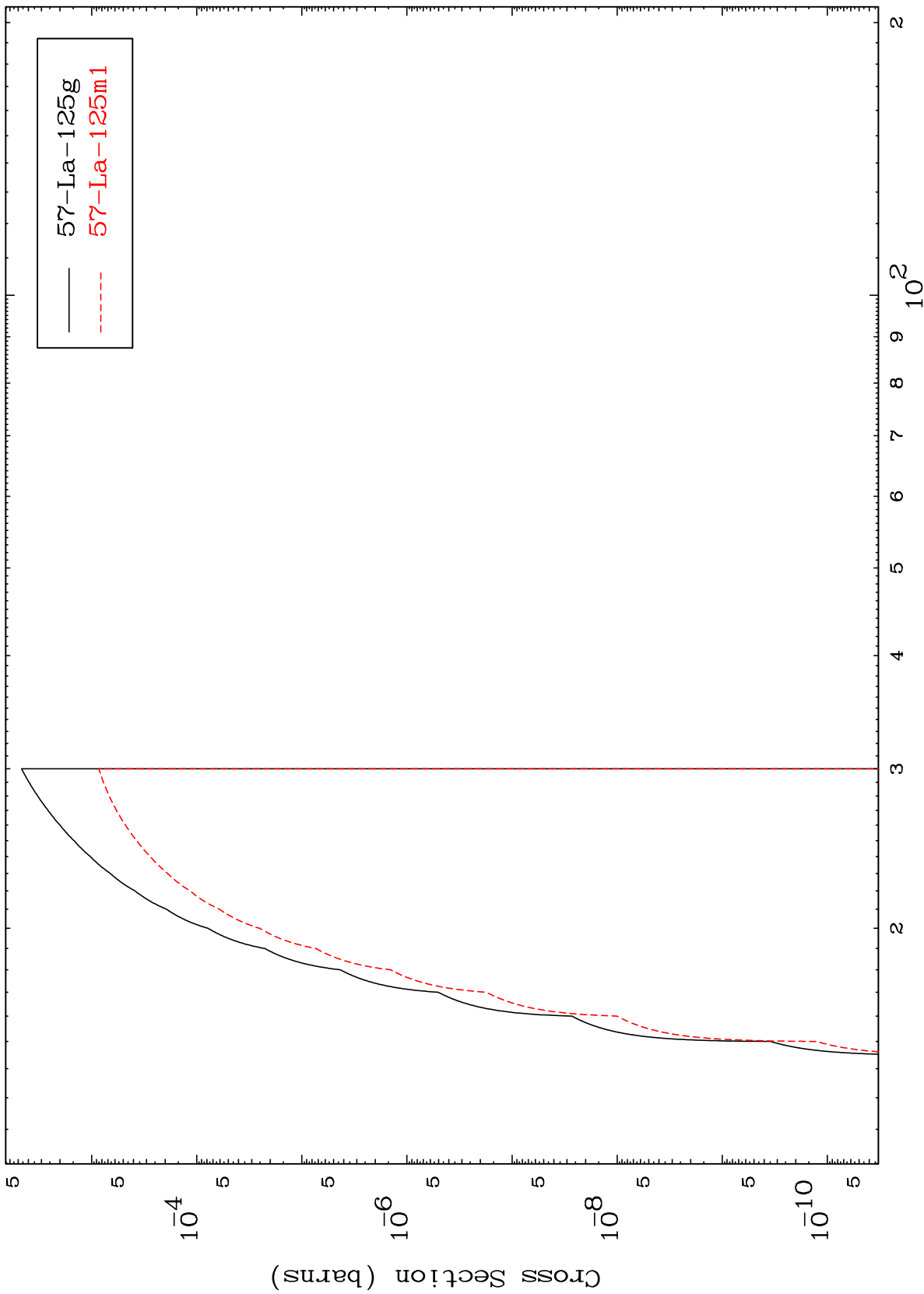
58-Ce-127

MAT 5798

(n,n') d

58-Ce-127

Radionuclide Production Cross Section



89

Incident Energy (MeV)

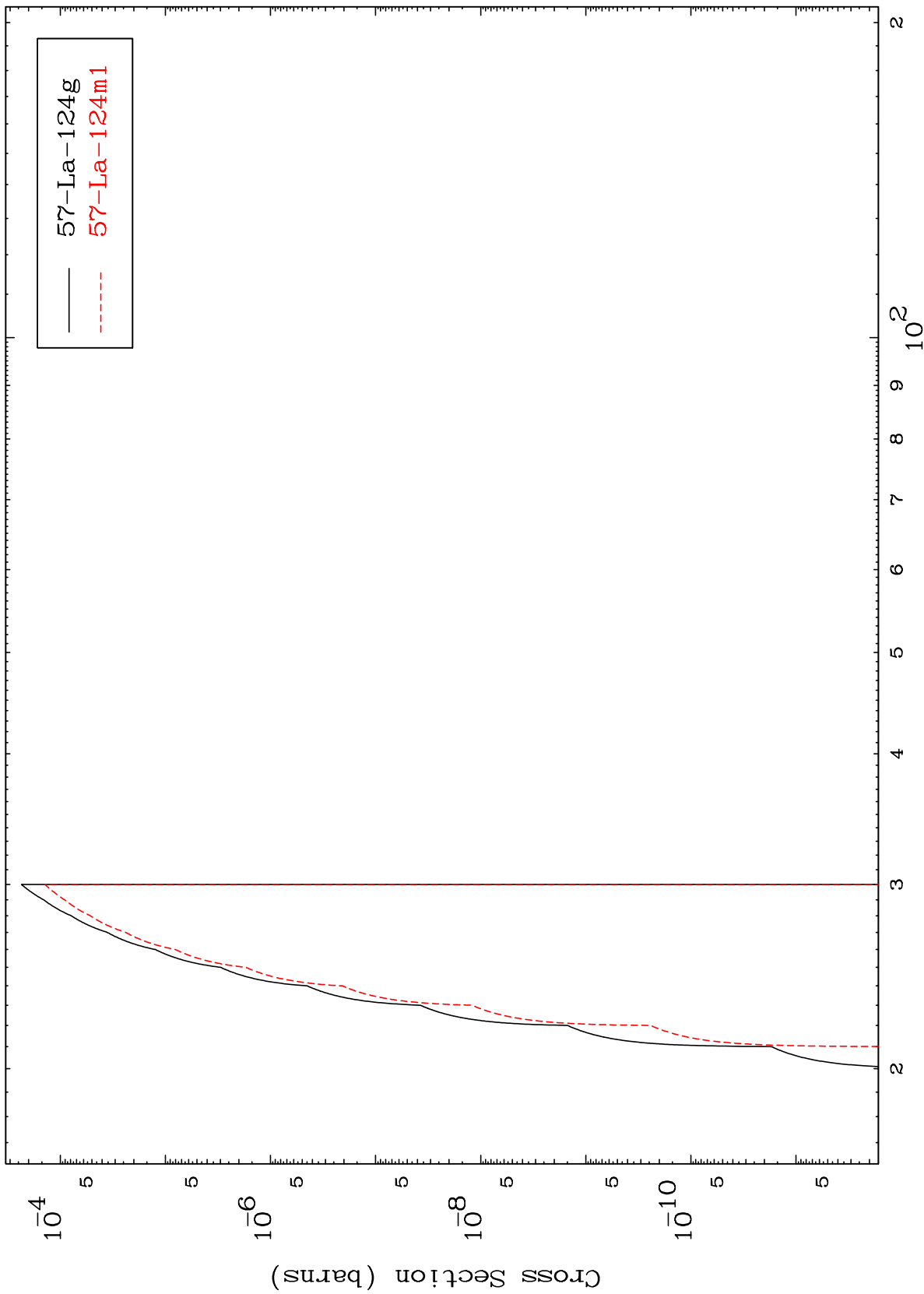
58-Ce-127

MAT 5798

(n,n') t

58-Ce-127

Radionuclide Production Cross Section

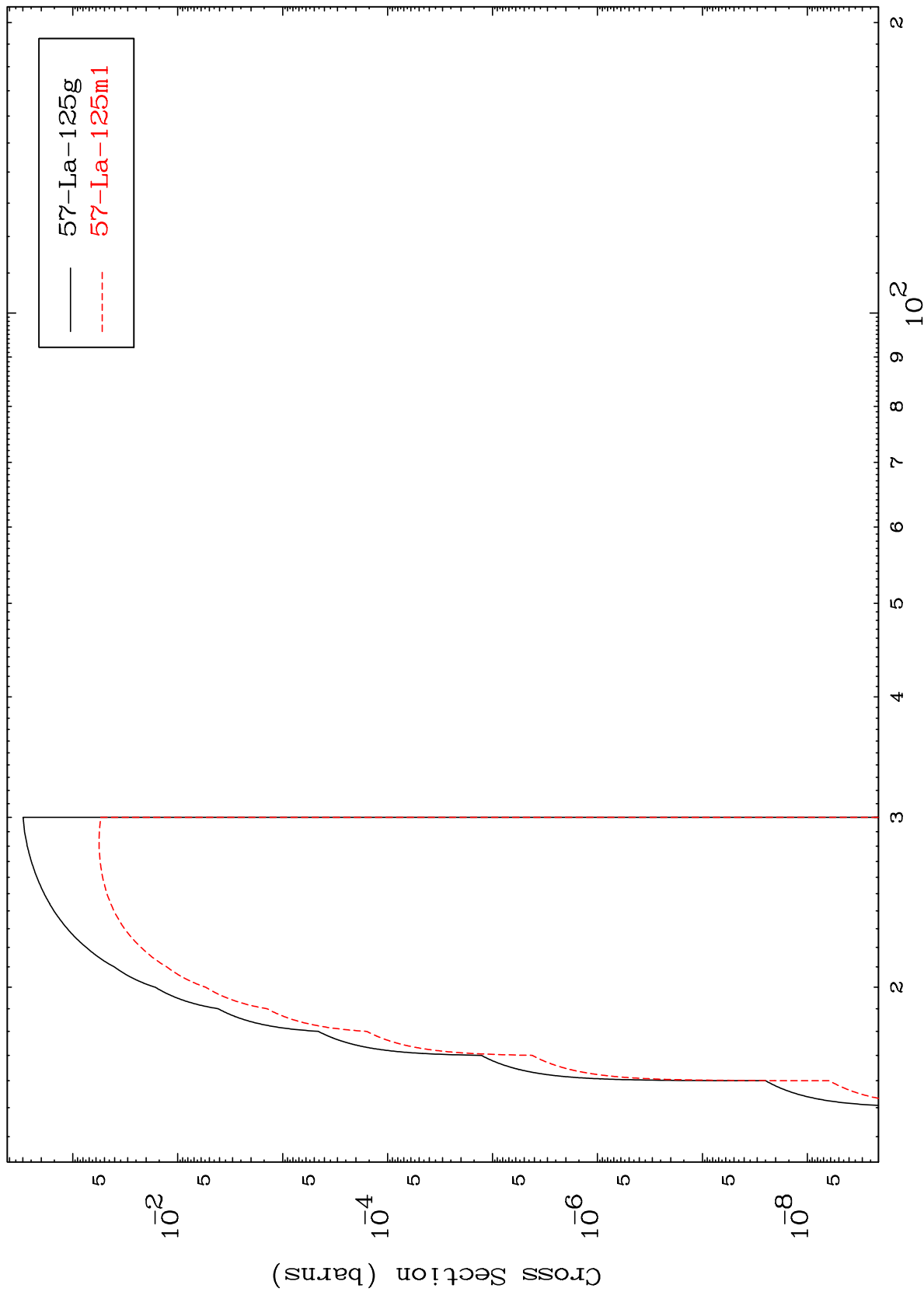


90

Incident Energy (MeV)

58-Ce-127

Radionuclide Production Cross Section

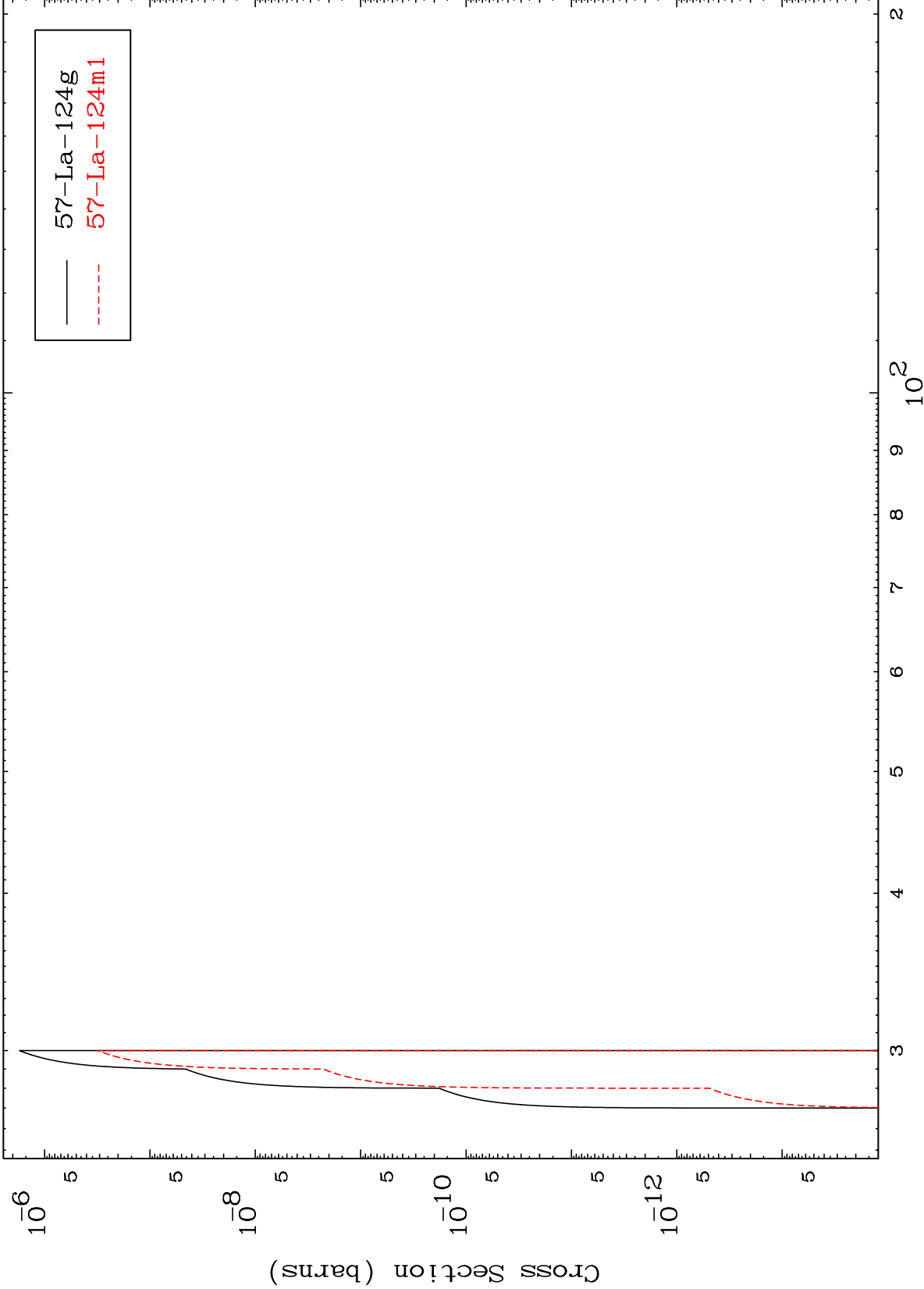


MAT 5798

(n,3n) p

58-Ce-127

Radionuclide Production Cross Section



92

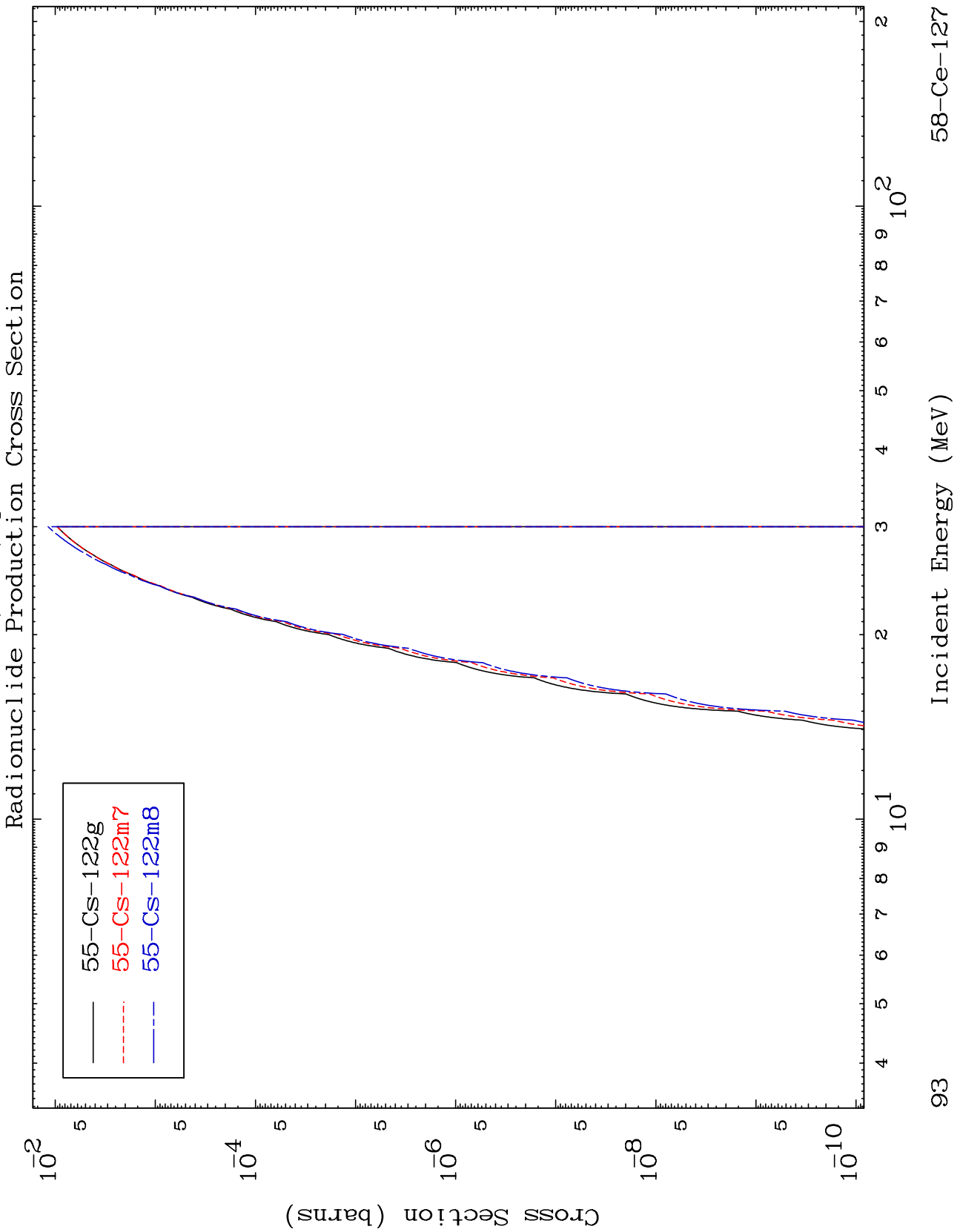
Incident Energy (MeV)

58-Ce-127

MAT 5798

(n,n') p α

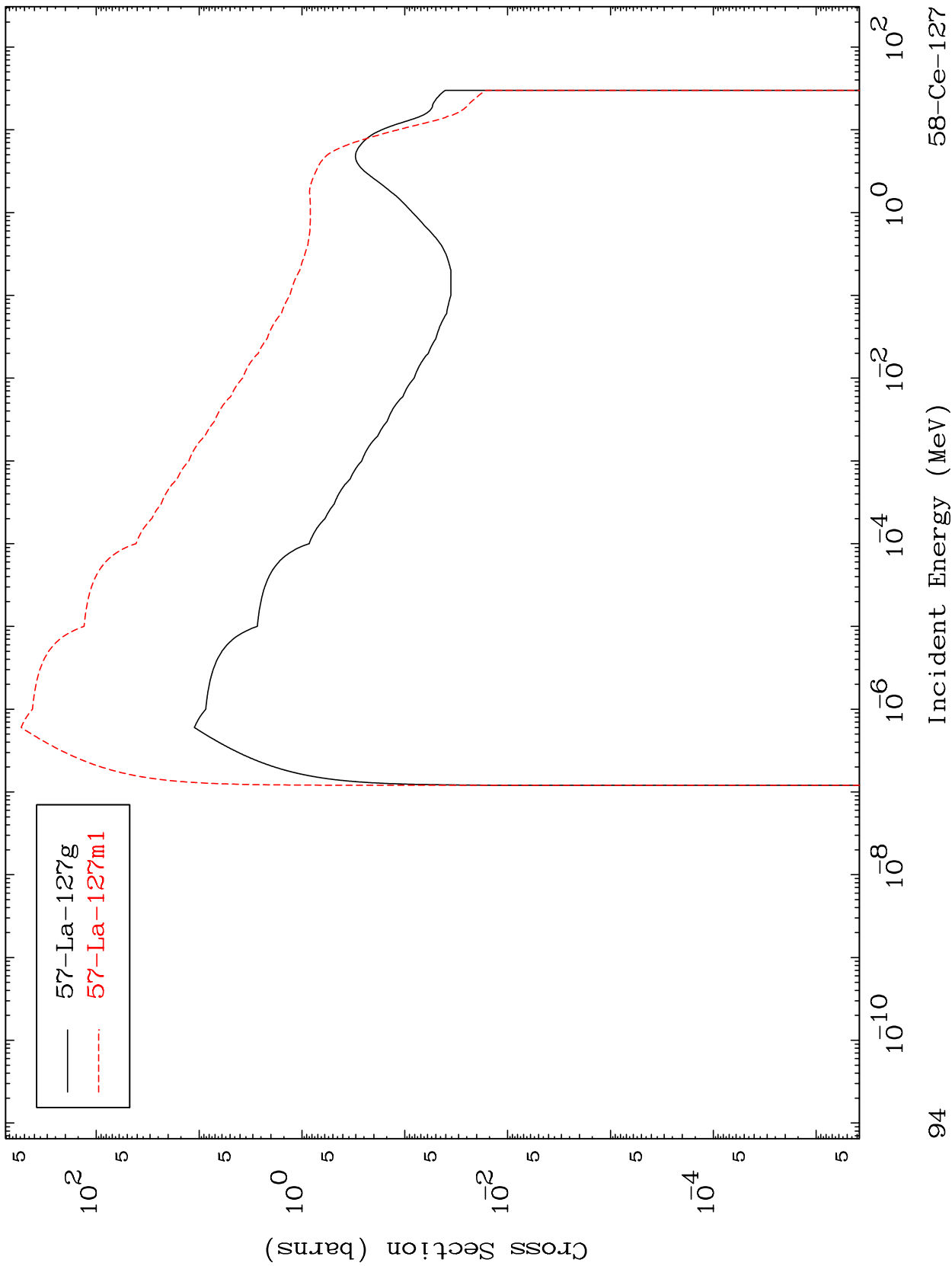
58-Ce-127



MAT 5798

58-Ce-127

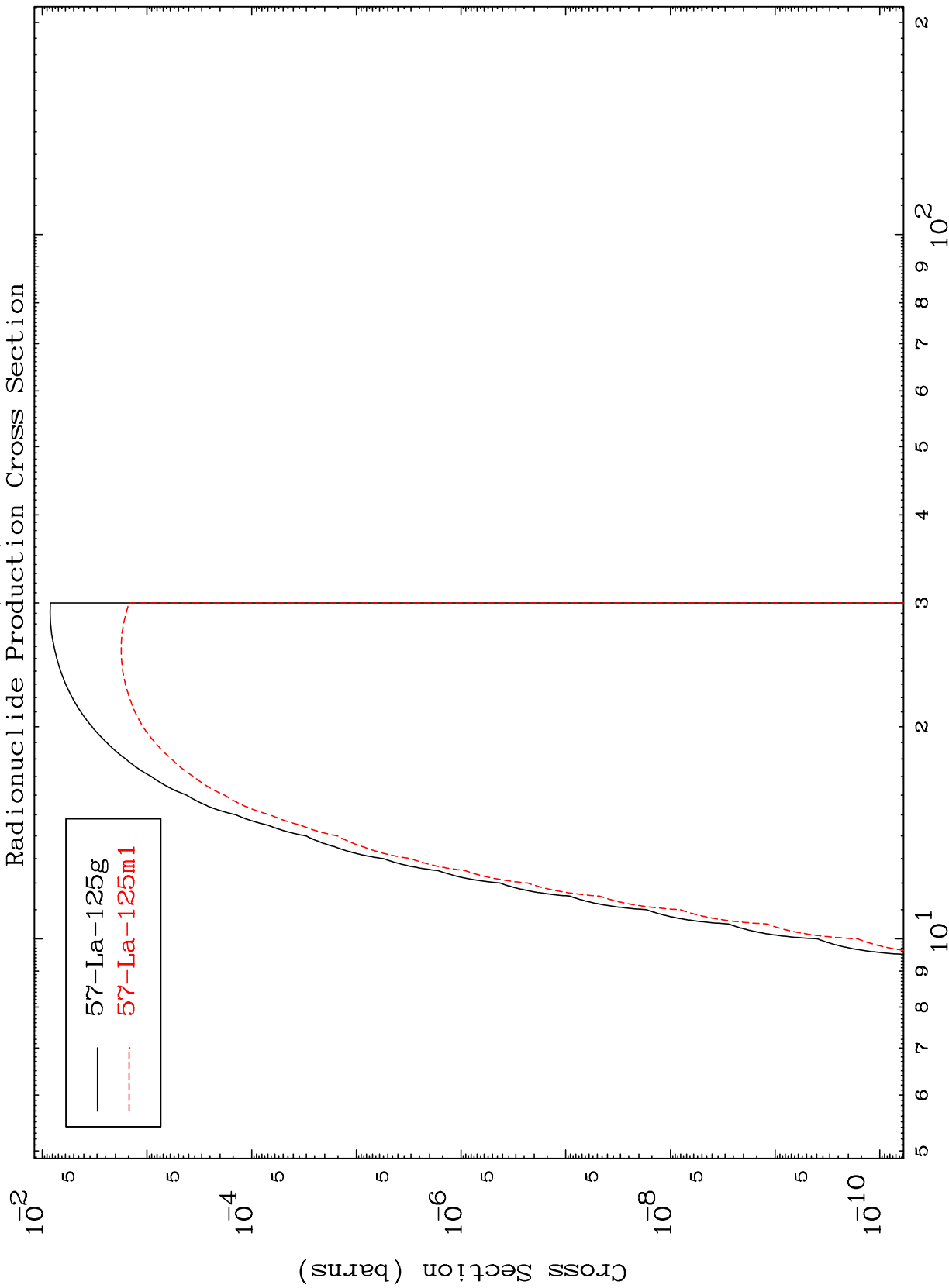
(n,p)
Radionuclide Production Cross Section



MAT 5798

58-Ce-127

Radionuclide Production Cross Section (n,t)



95

Incident Energy (MeV)

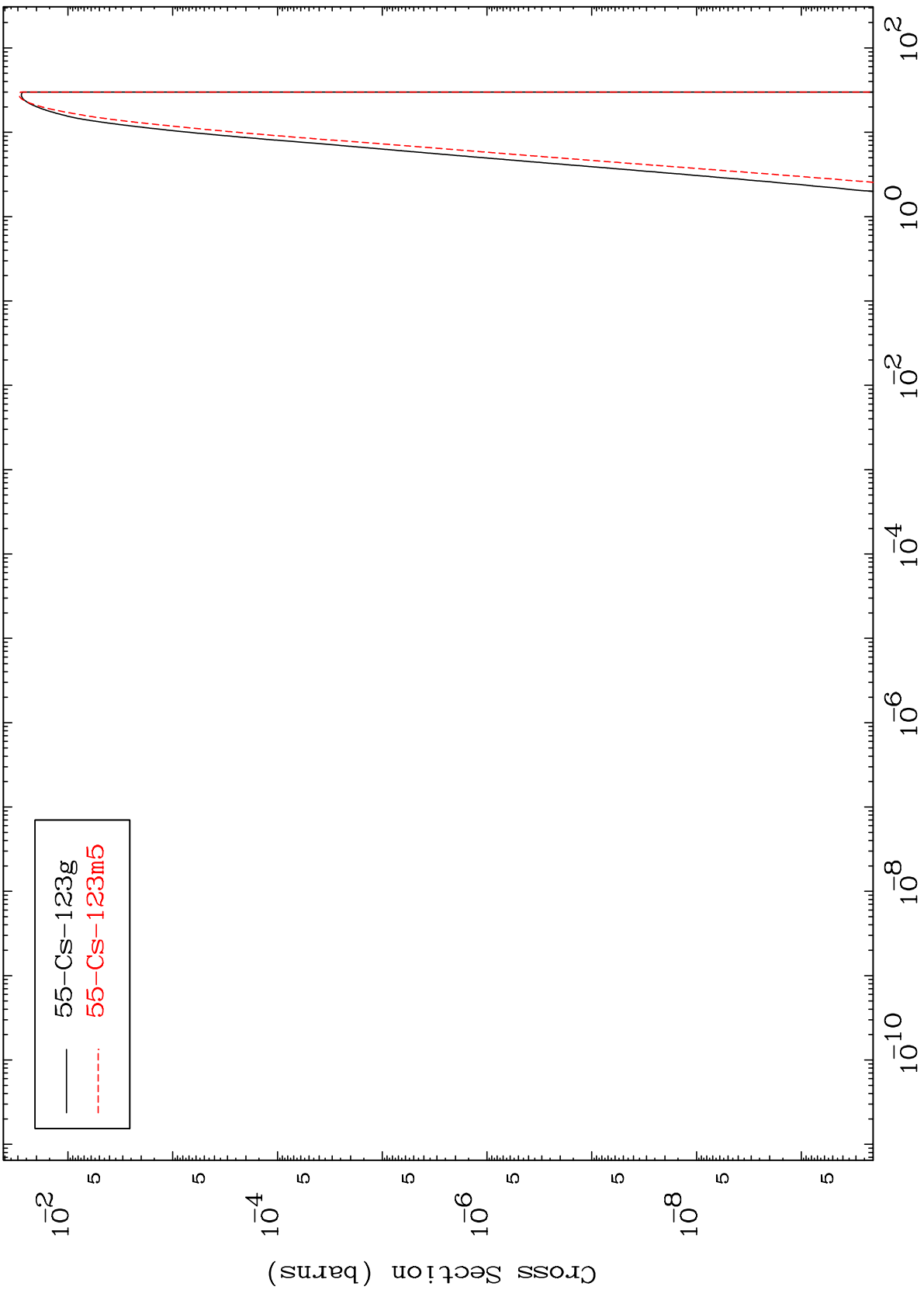
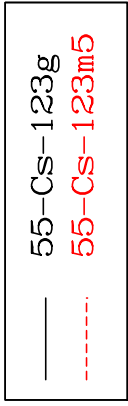
58-Ce-127

MAT 5798

(n,p) α

58-Ce-127

Radionuclide Production Cross Section



96

Incident Energy (MeV)

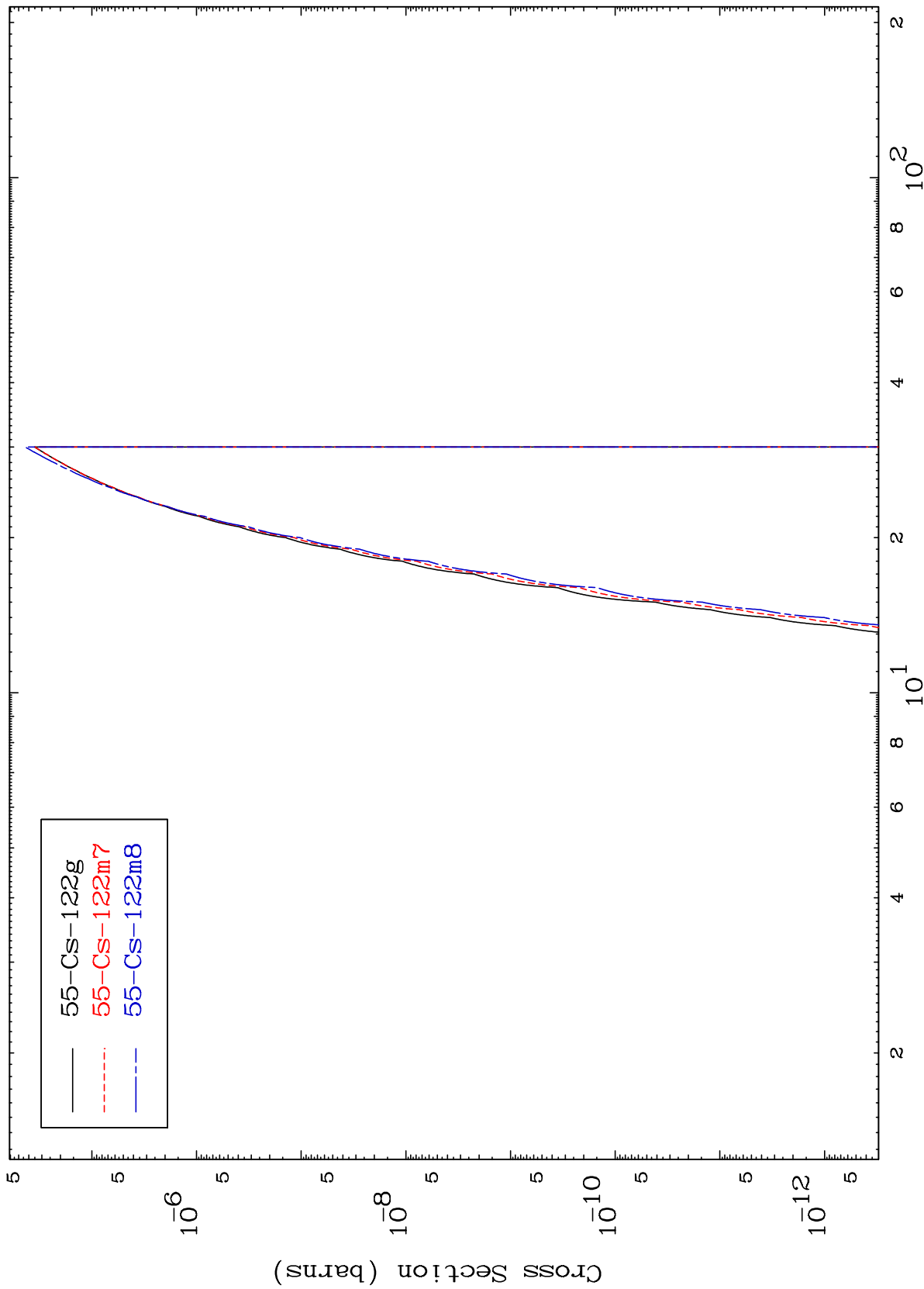
58-Ce-127

MAT 5798

(n,d) α

58-Ce-127

Radionuclide Production Cross Section



97

Incident Energy (MeV)

58-Ce-127