

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

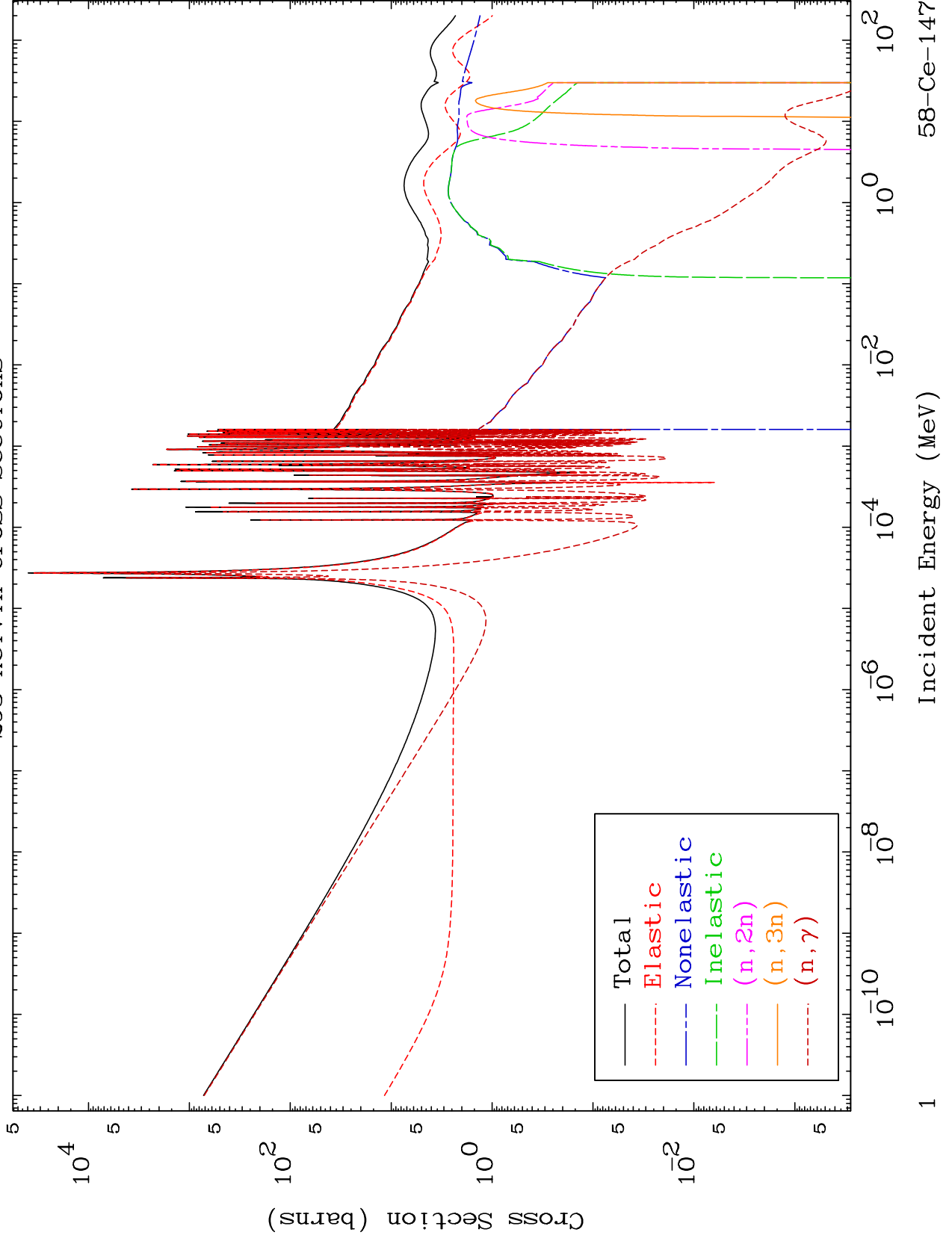
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5858

Neutron Major
293 Kelvin Cross Sections

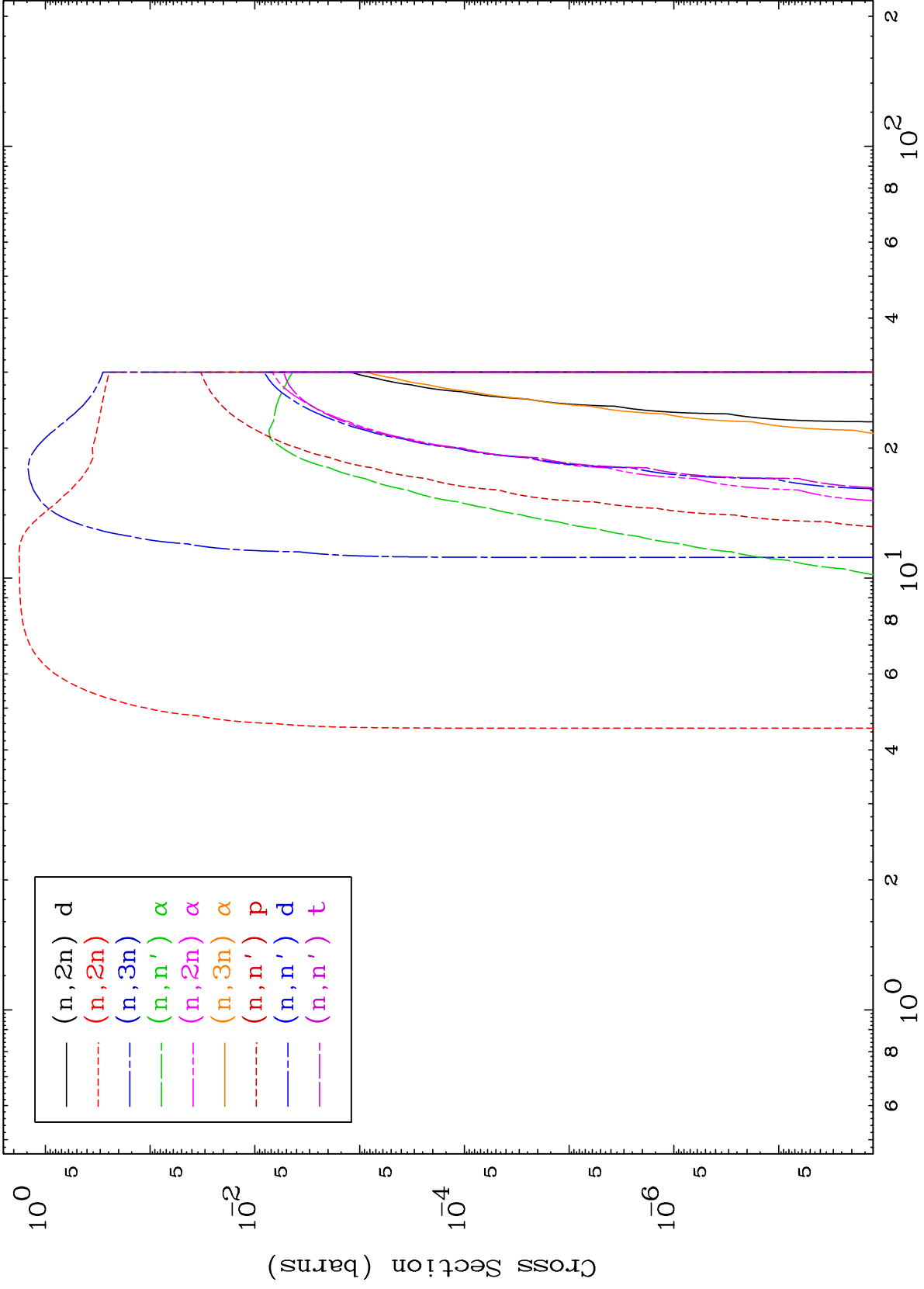
58-Ce-147



MAT 5858

Neutron Absorption
293 Kelvin Cross Sections

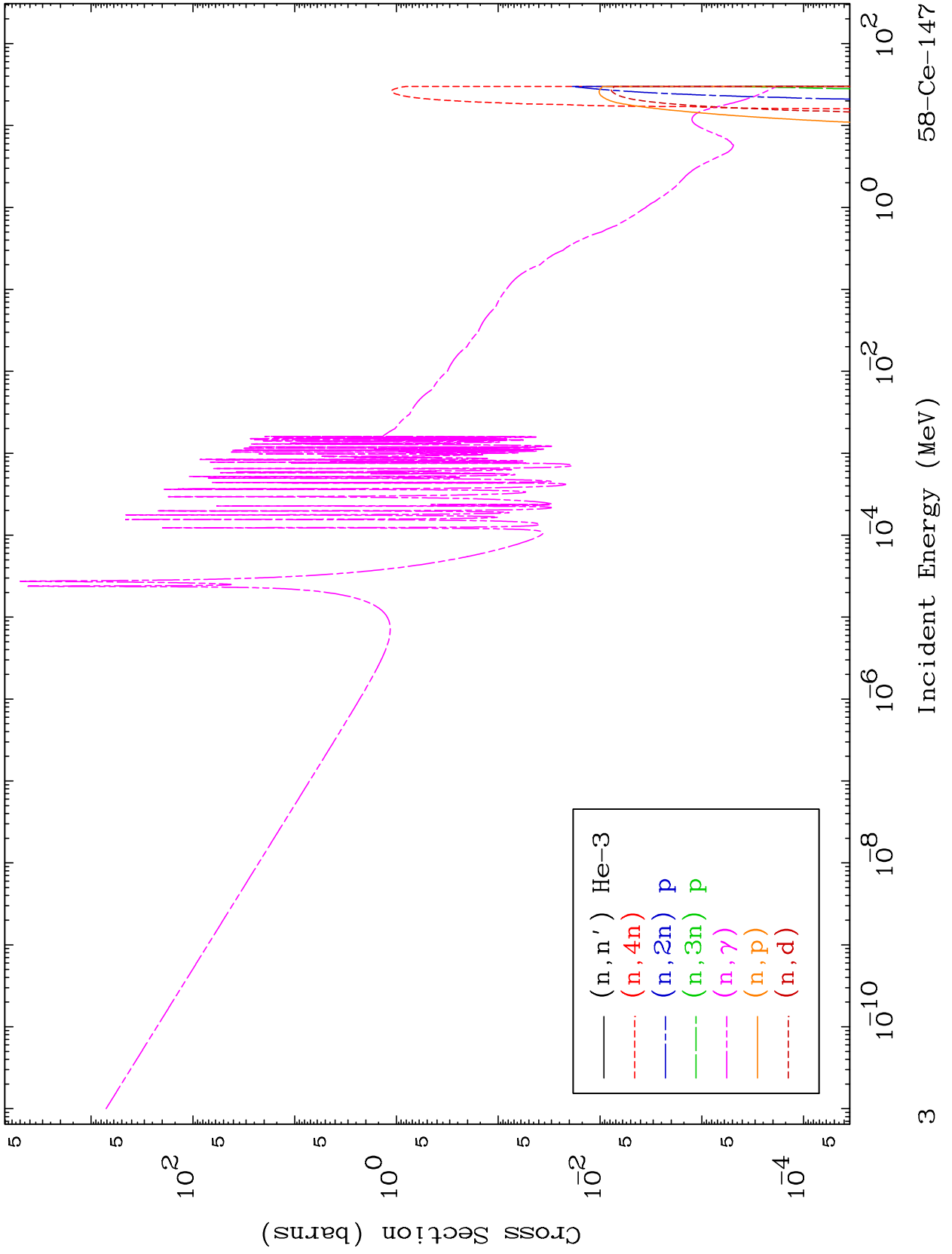
58-Ce-147



MAT 5858

Neutron Absorption
293 Kelvin Cross Sections

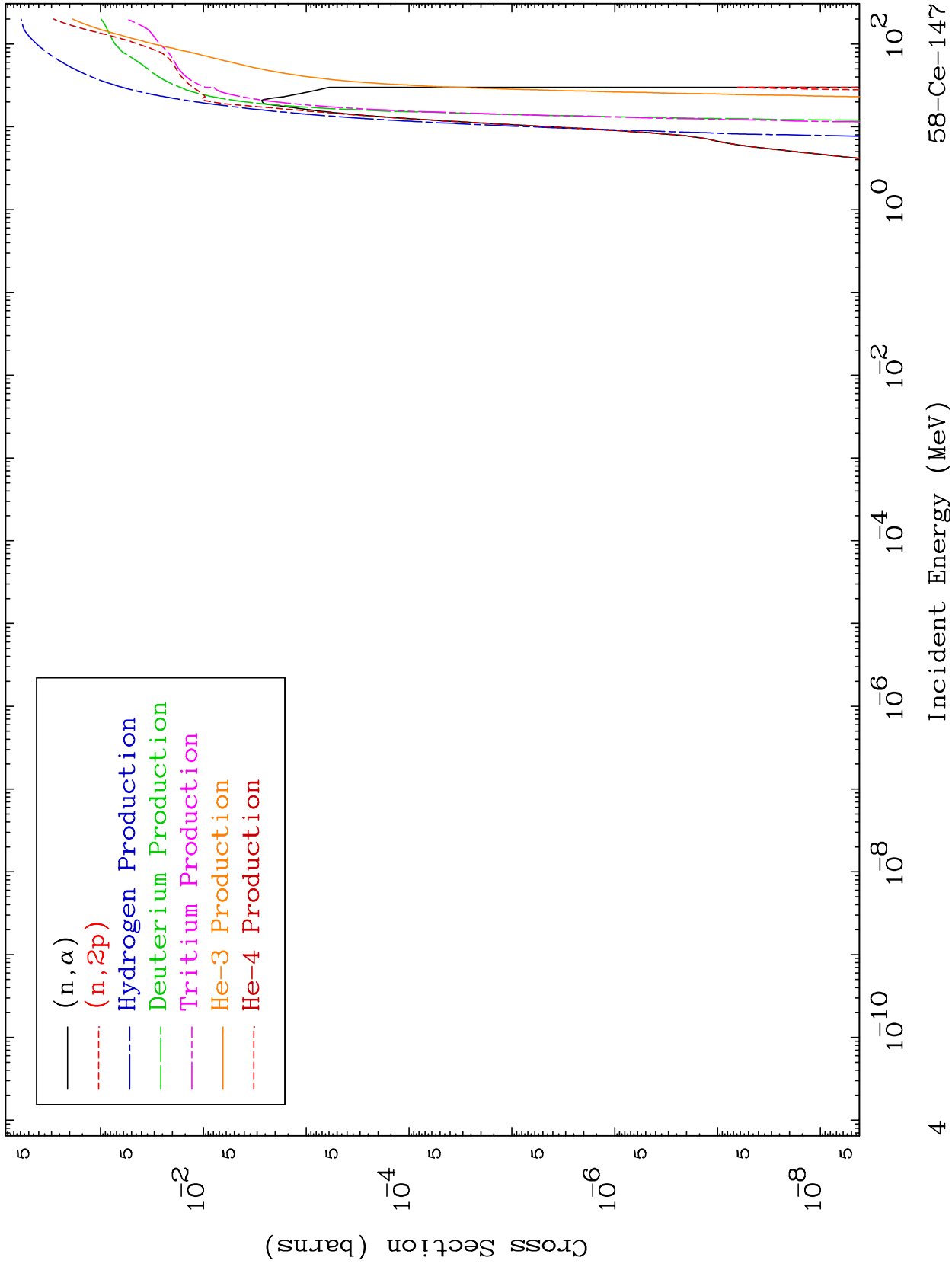
58-Ce-147



MAT 5858

Neutron Absorption
293 Kelvin Cross Sections

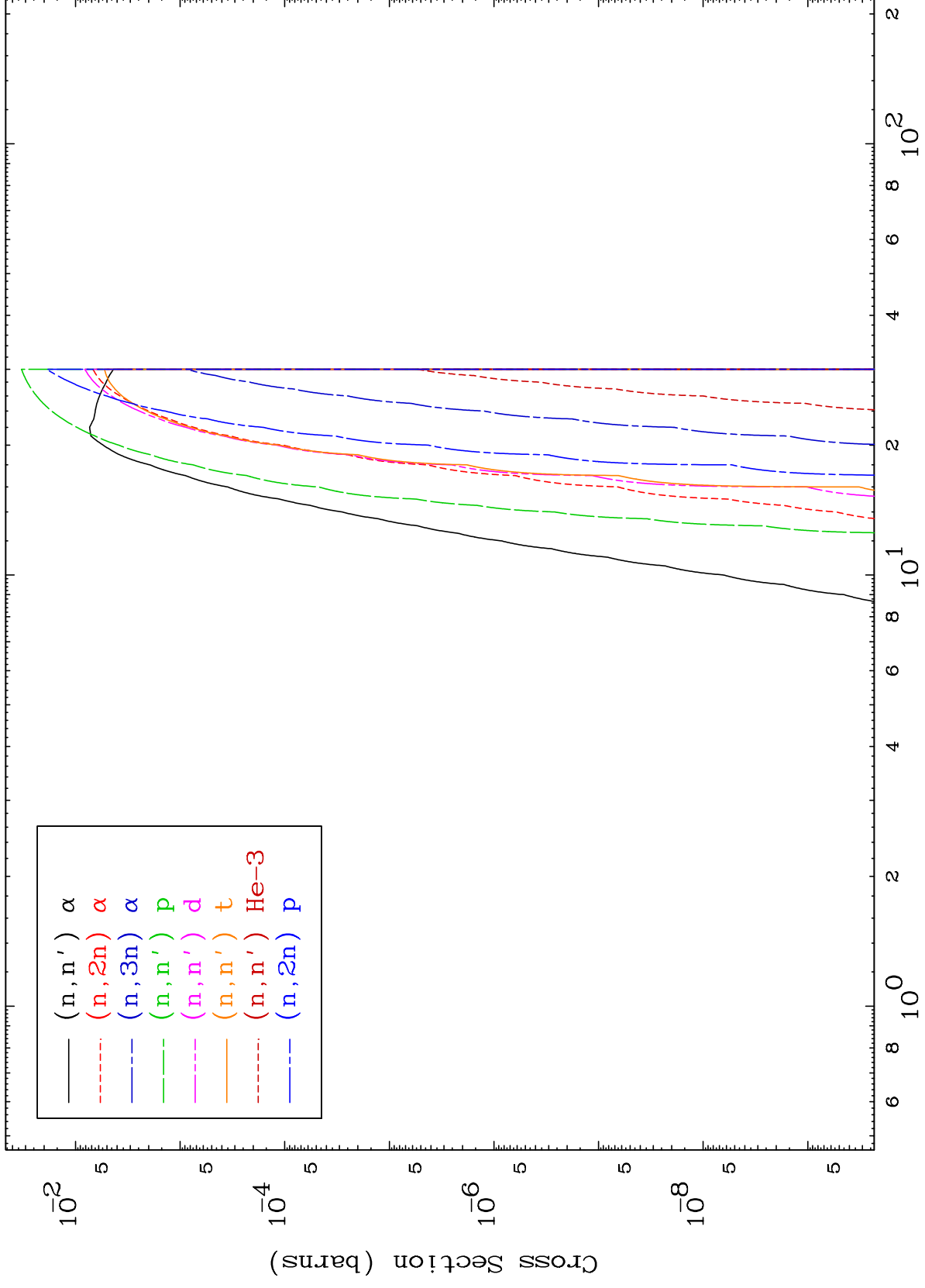
58-Ce-147



MAT 5858

Charged Particle
293 Kelvin Cross Sections

58-Ce-147



5

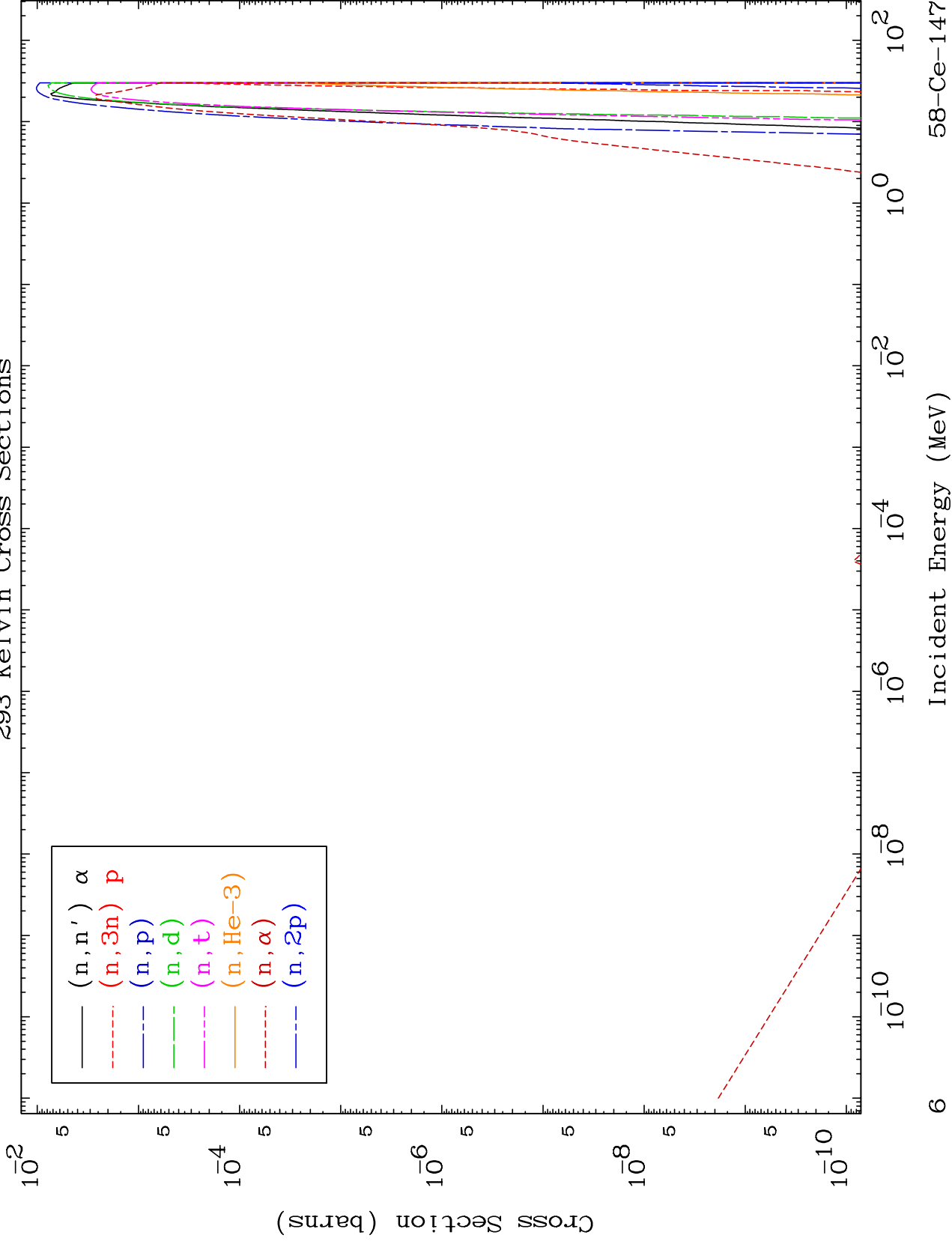
Incident Energy (MeV)

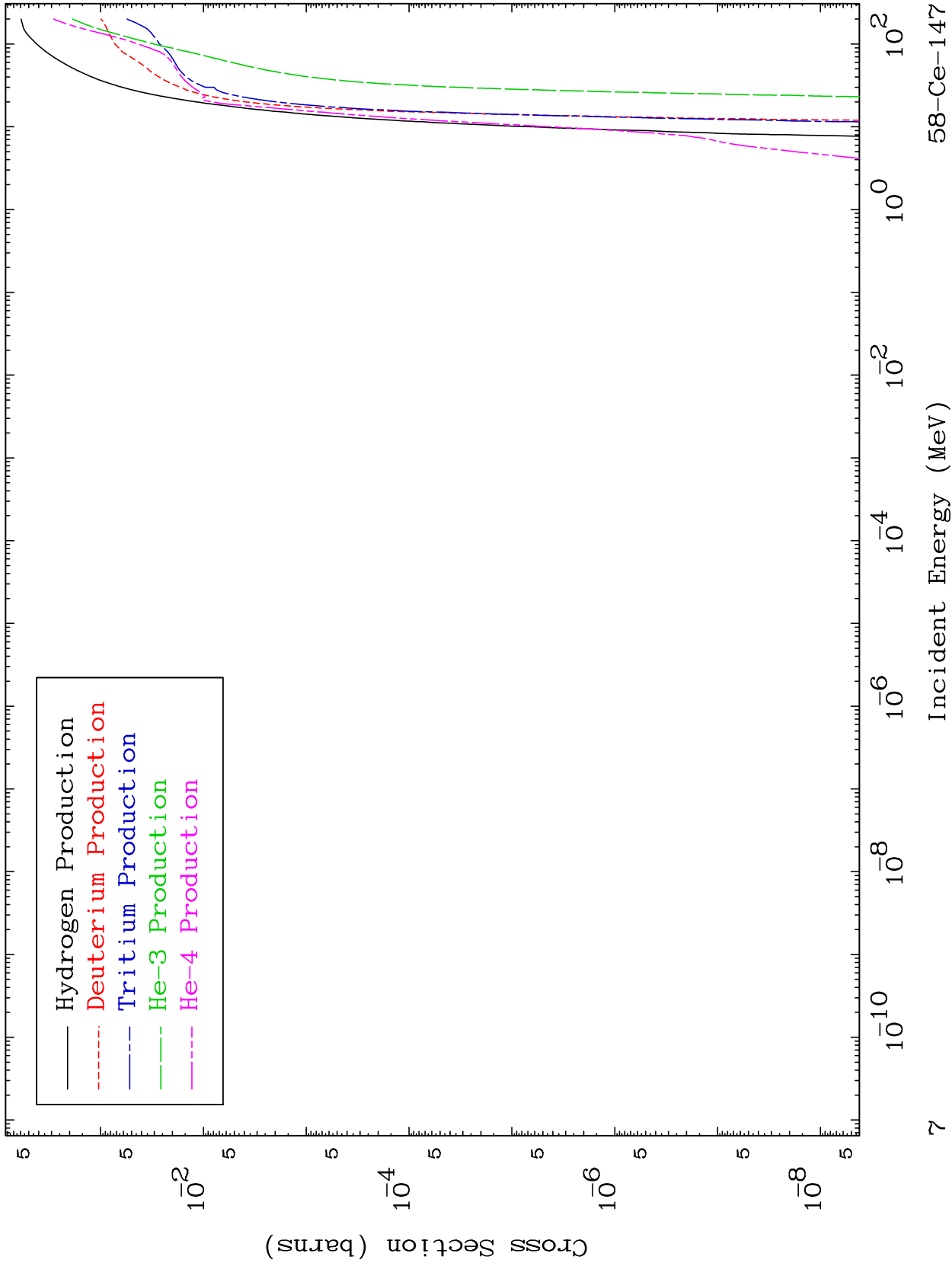
58-Ce-147

MAT 5858

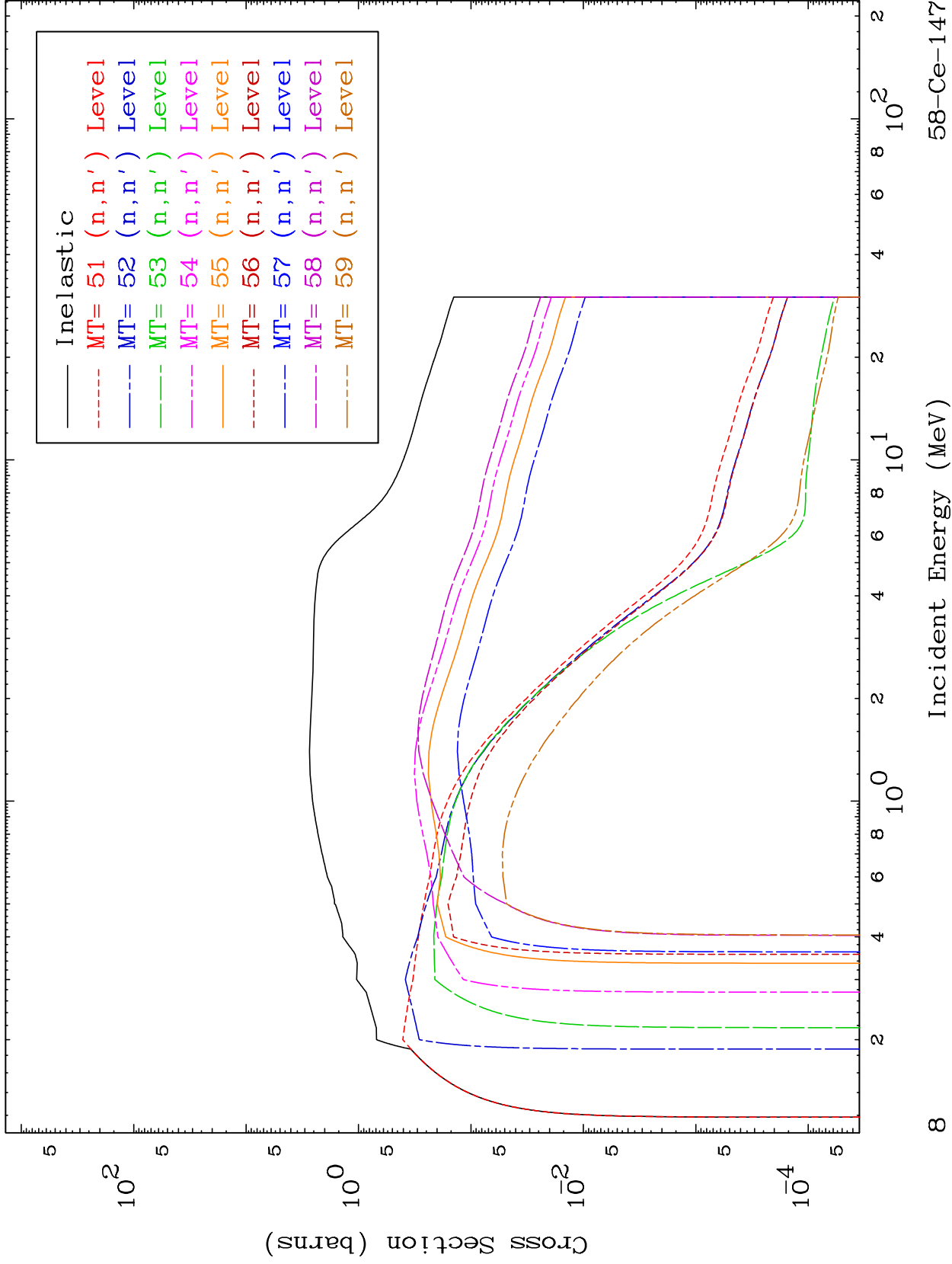
Charged Particle
293 Kelvin Cross Sections

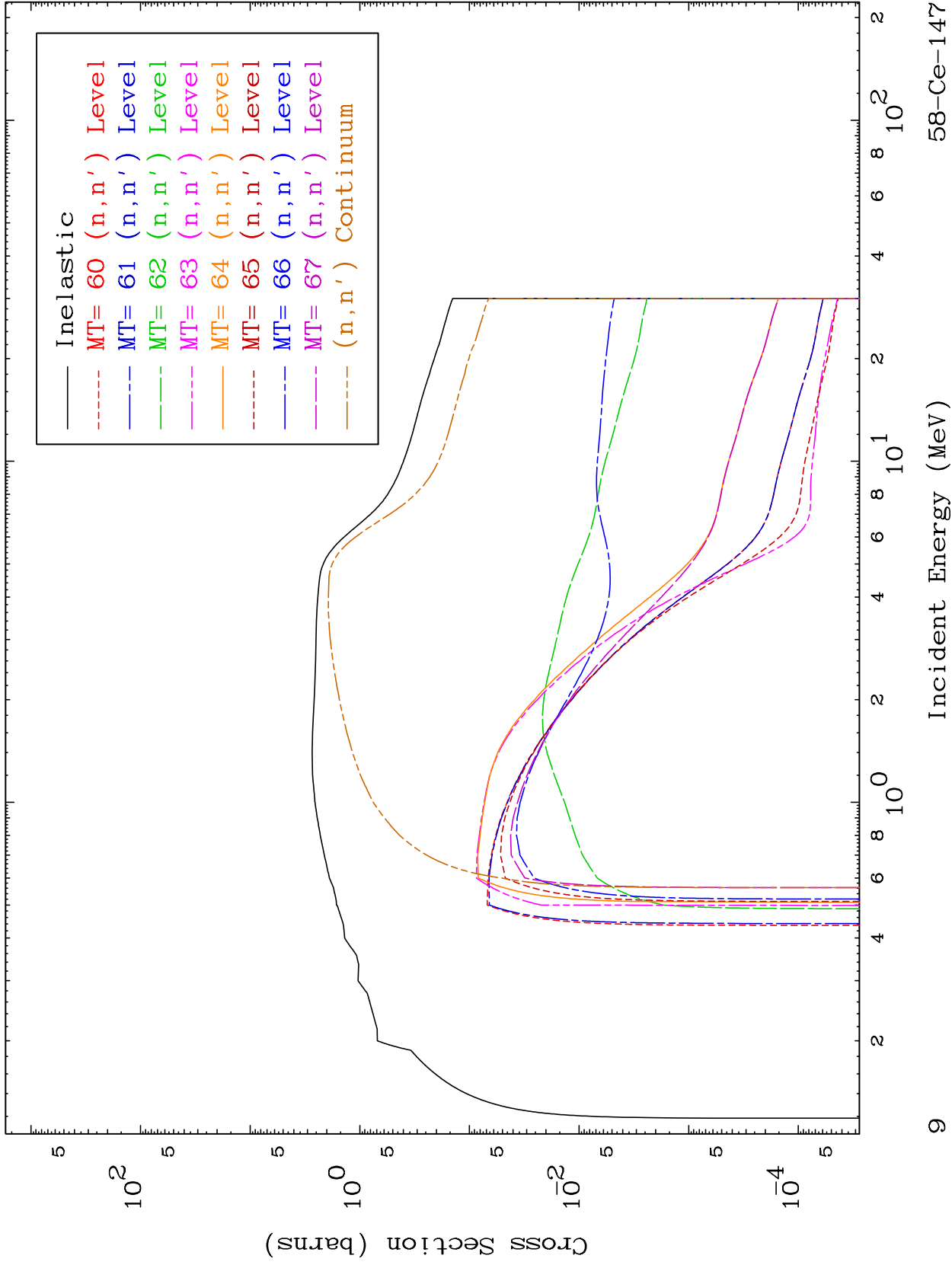
58-Ce-147





293 Kelvin Cross Sections

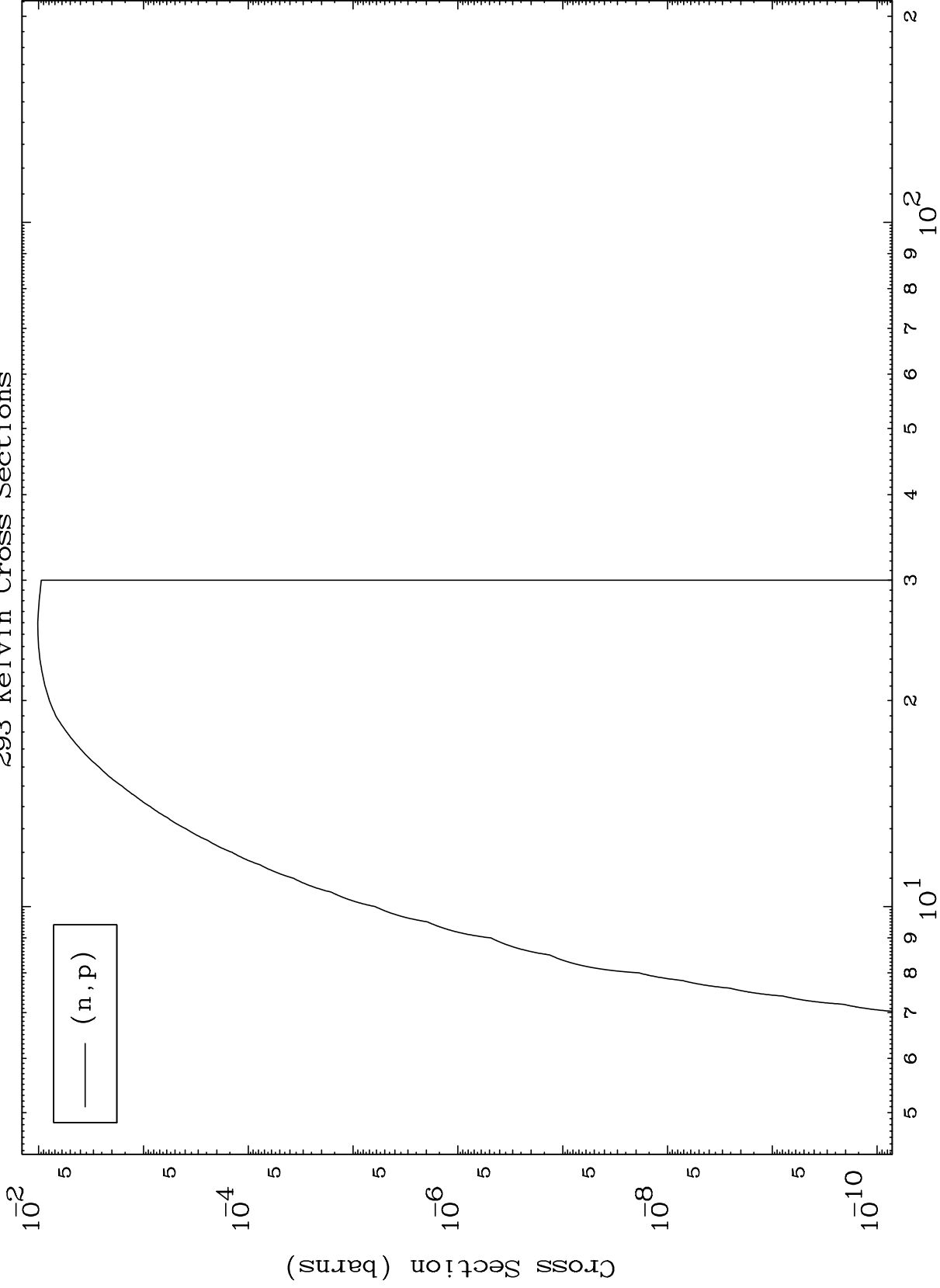




MAT 5858

(n,p) Levels
293 Kelvin Cross Sections

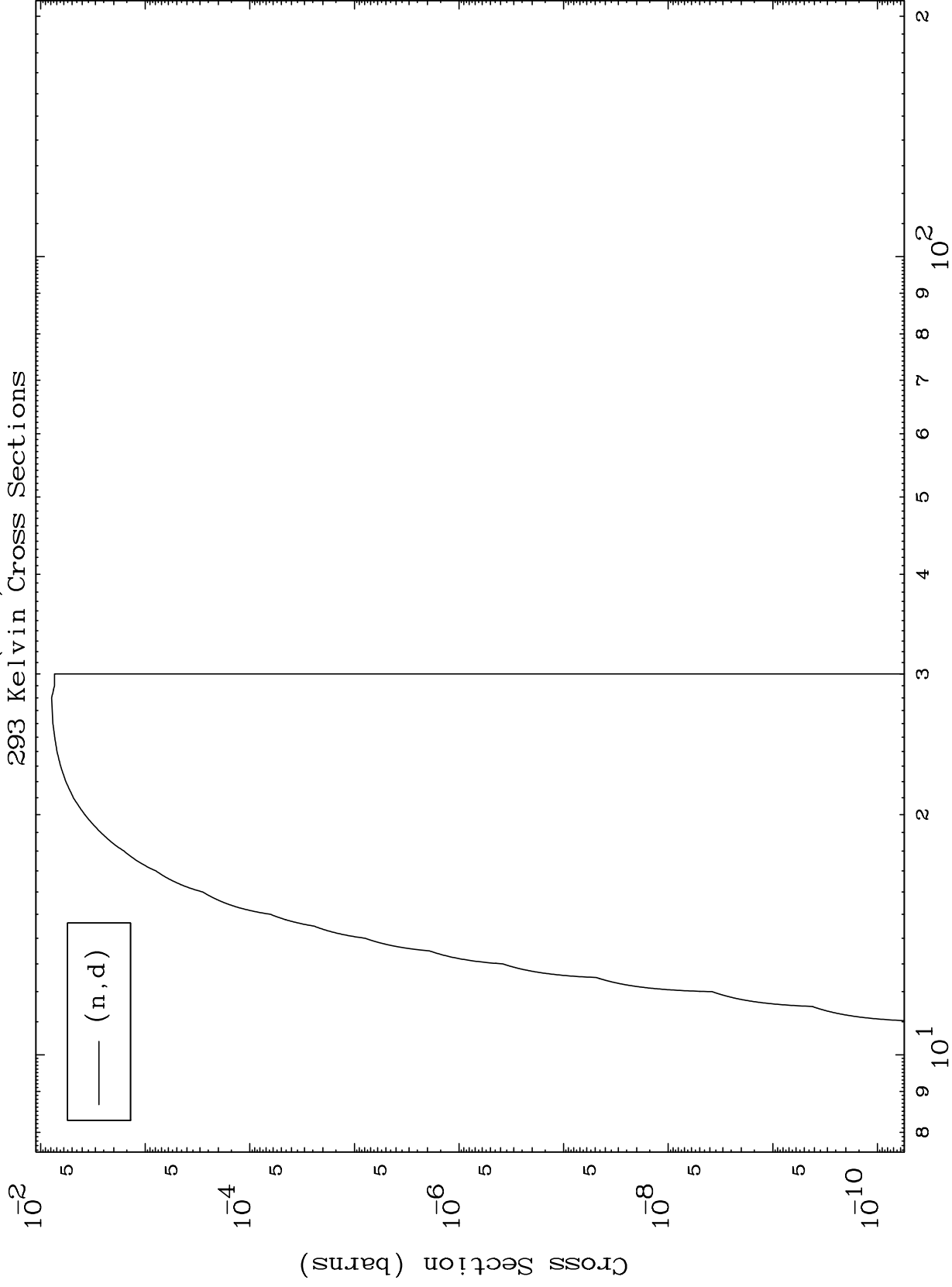
58-Ce-147



MAT 5858

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-147



11

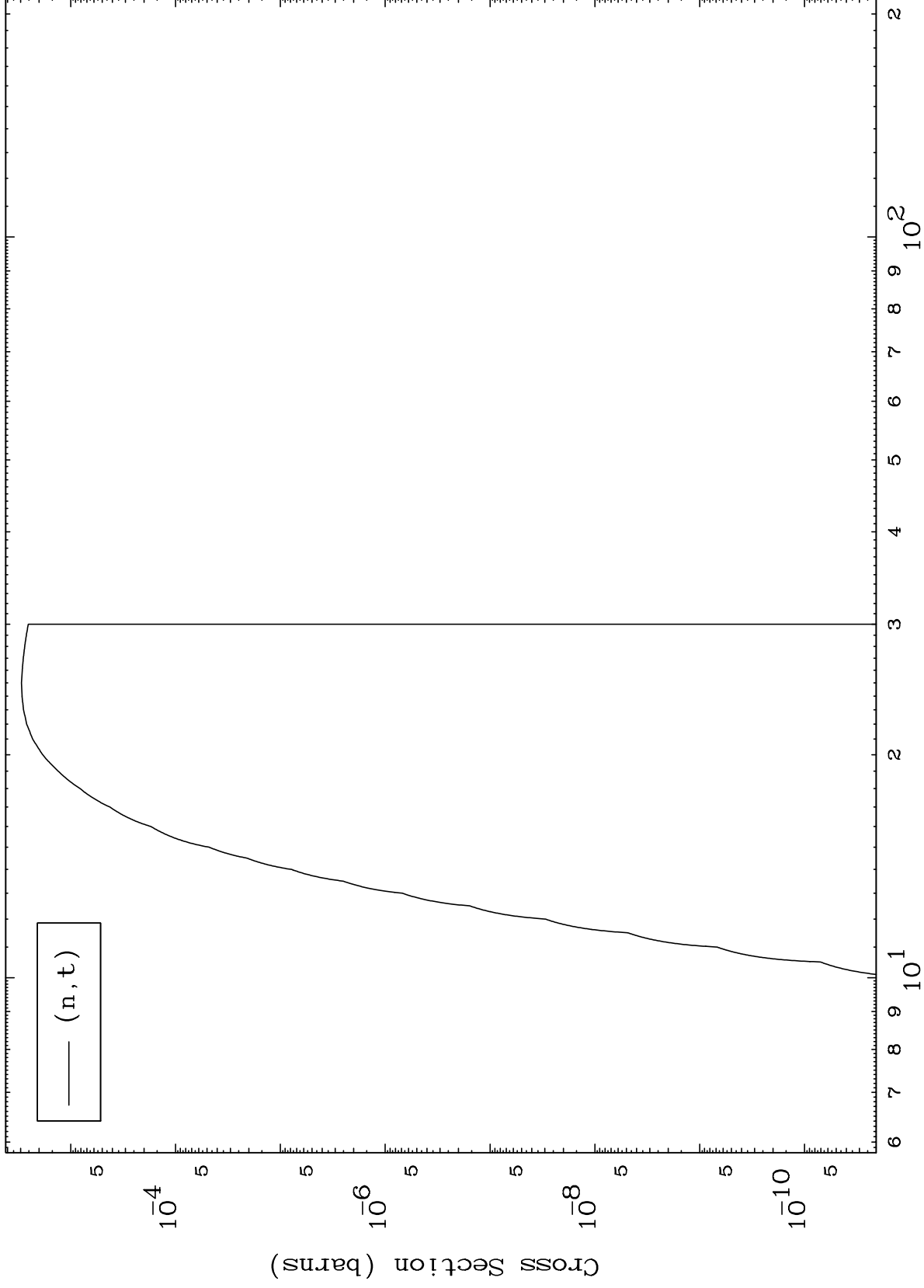
Incident Energy (MeV)

58-Ce-147

MAT 5858

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-147



12

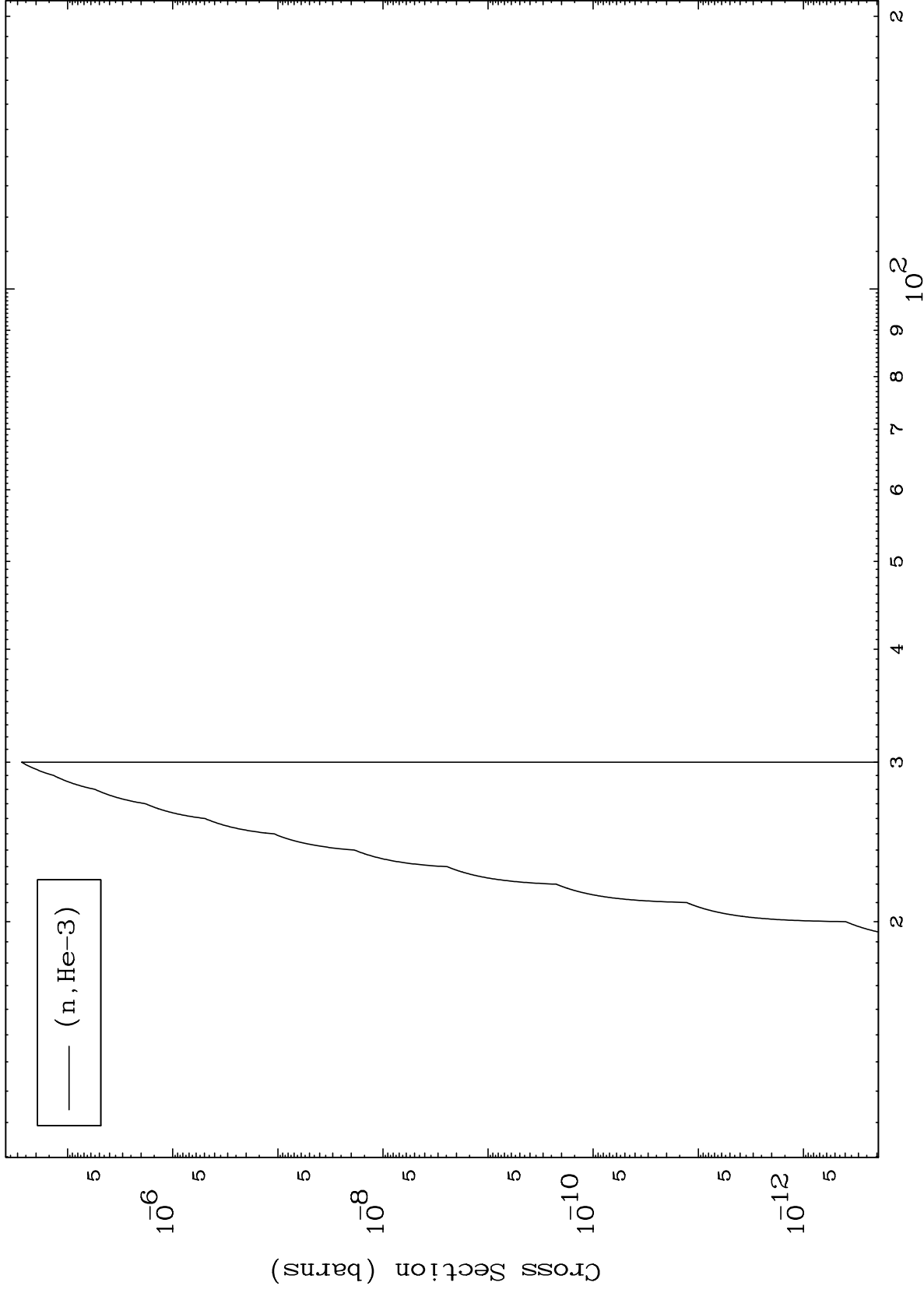
Incident Energy (MeV)

58-Ce-147

MAT 5858

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-147



13

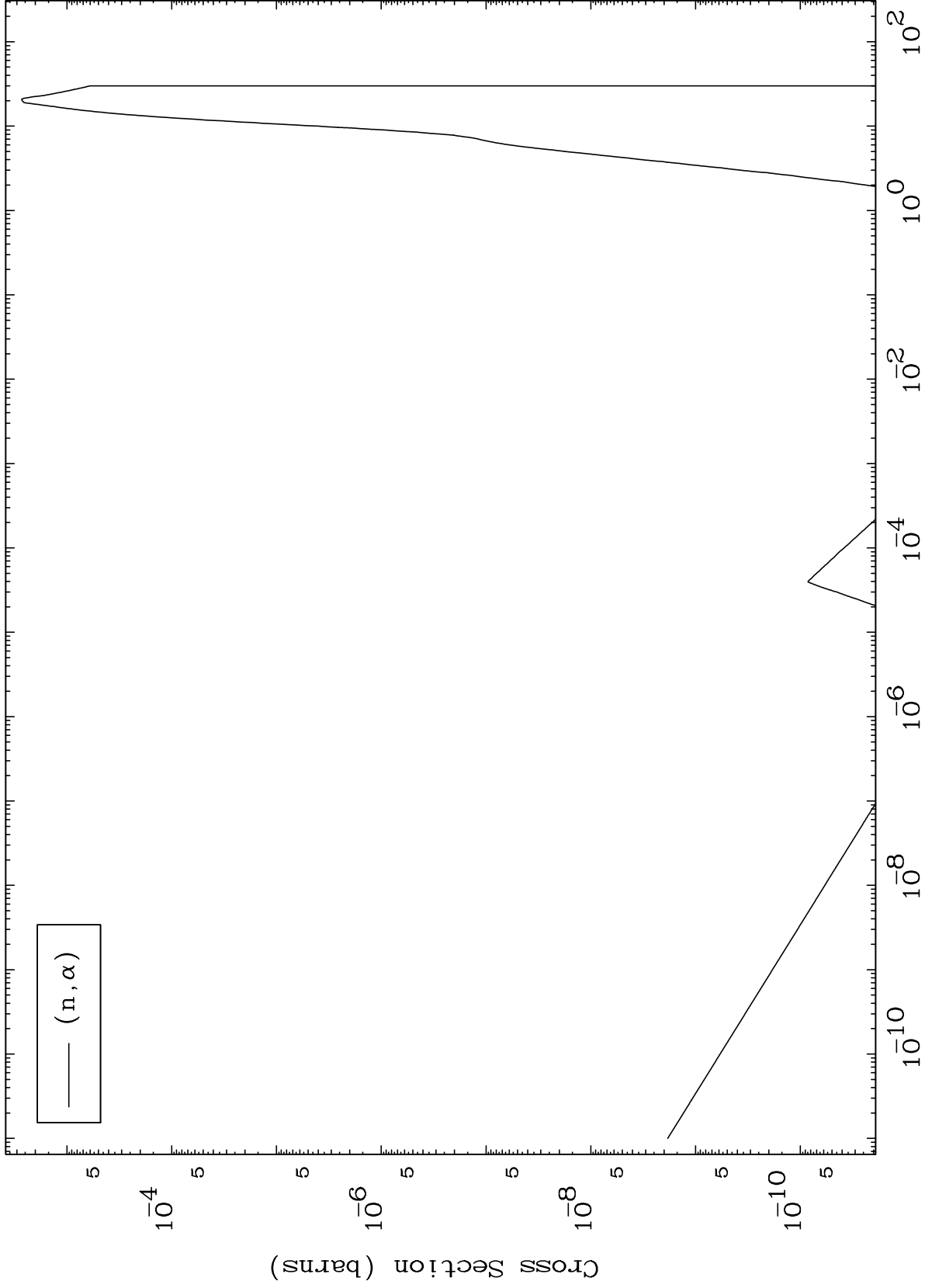
Incident Energy (MeV)

58-Ce-147

MAT 5858

(n, α) Levels
293 Kelvin Cross Sections

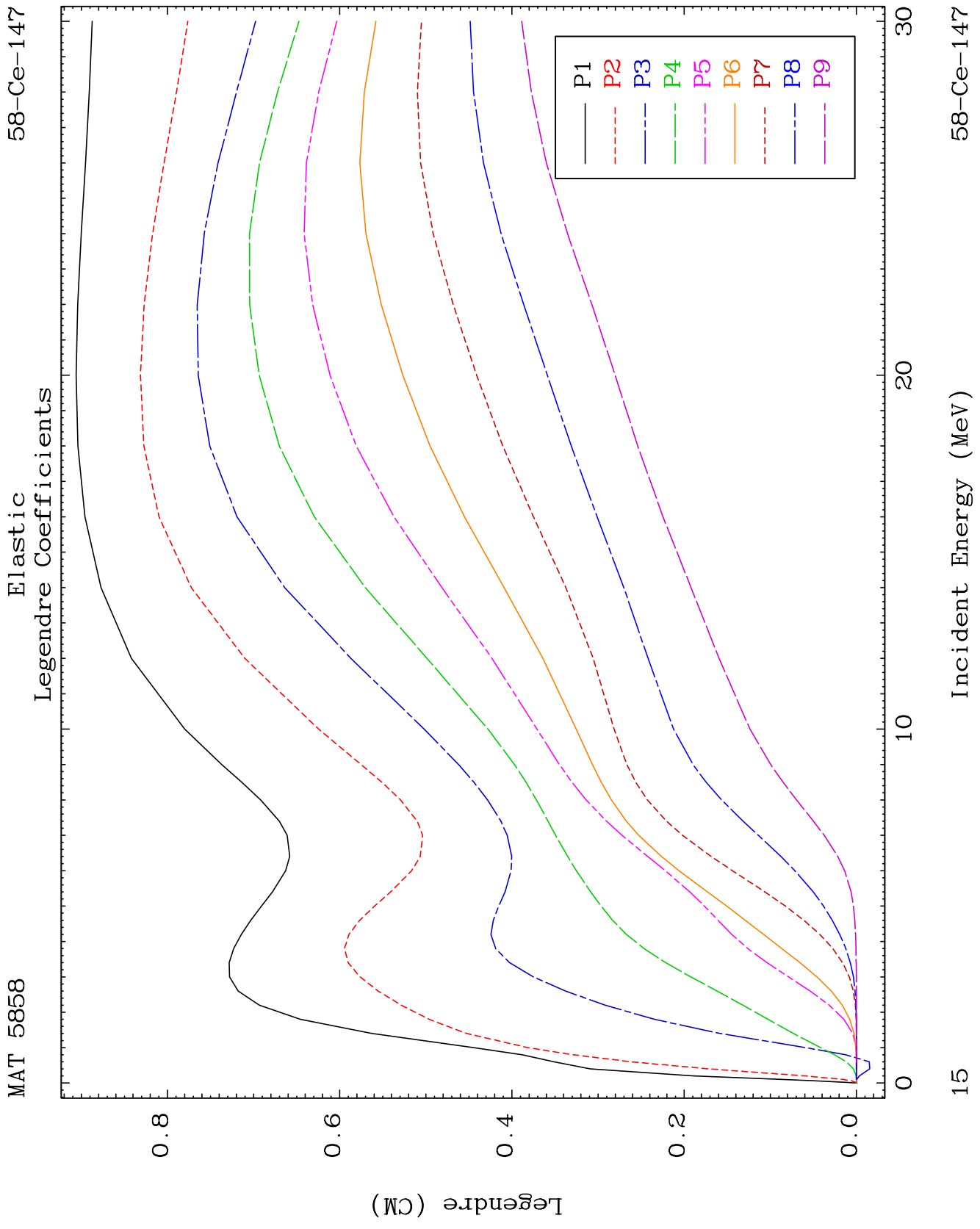
58-Ce-147



14

Incident Energy (MeV)

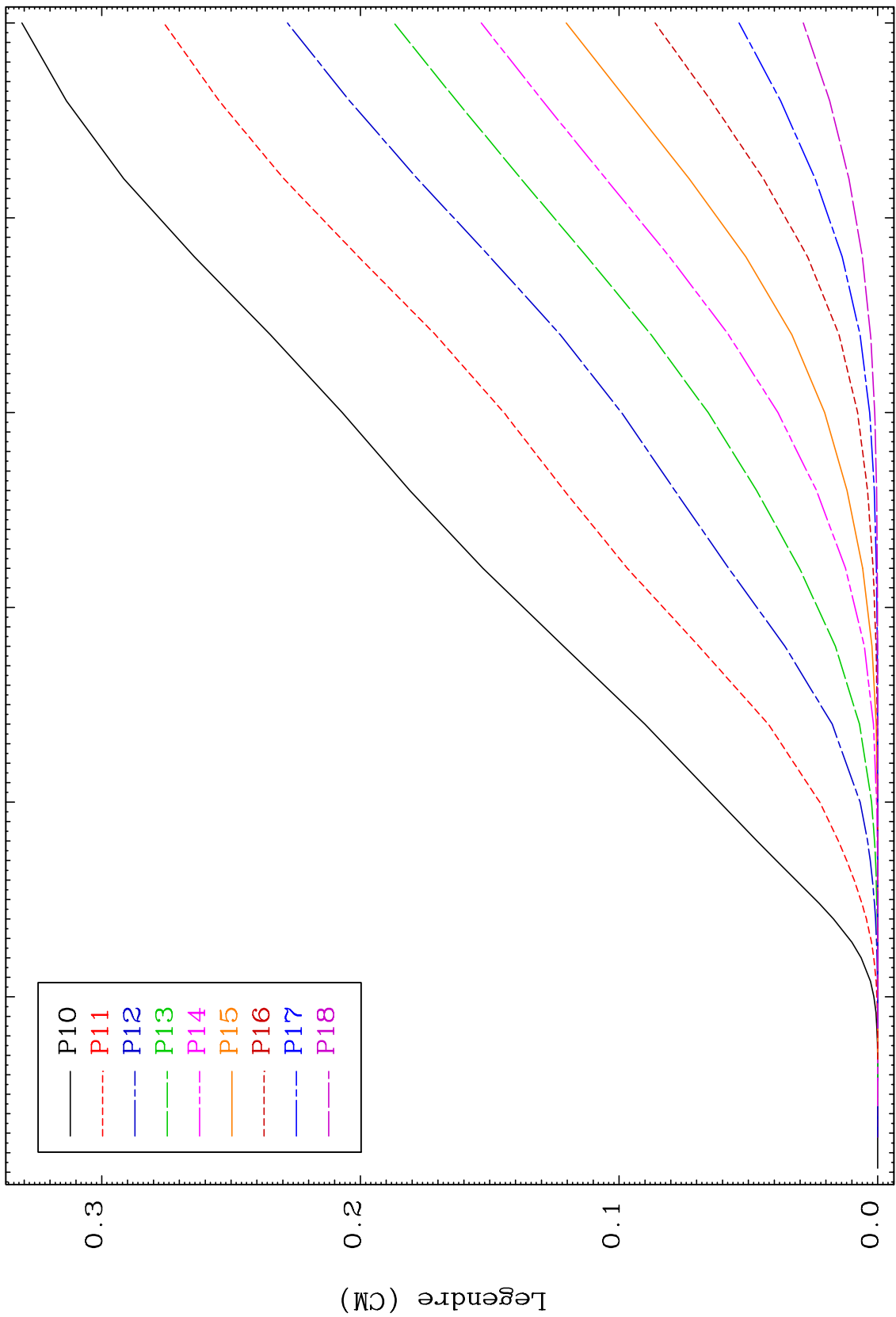
58-Ce-147



MAT 5858

Elastic Legendre Coefficients

58-Ce-147



16

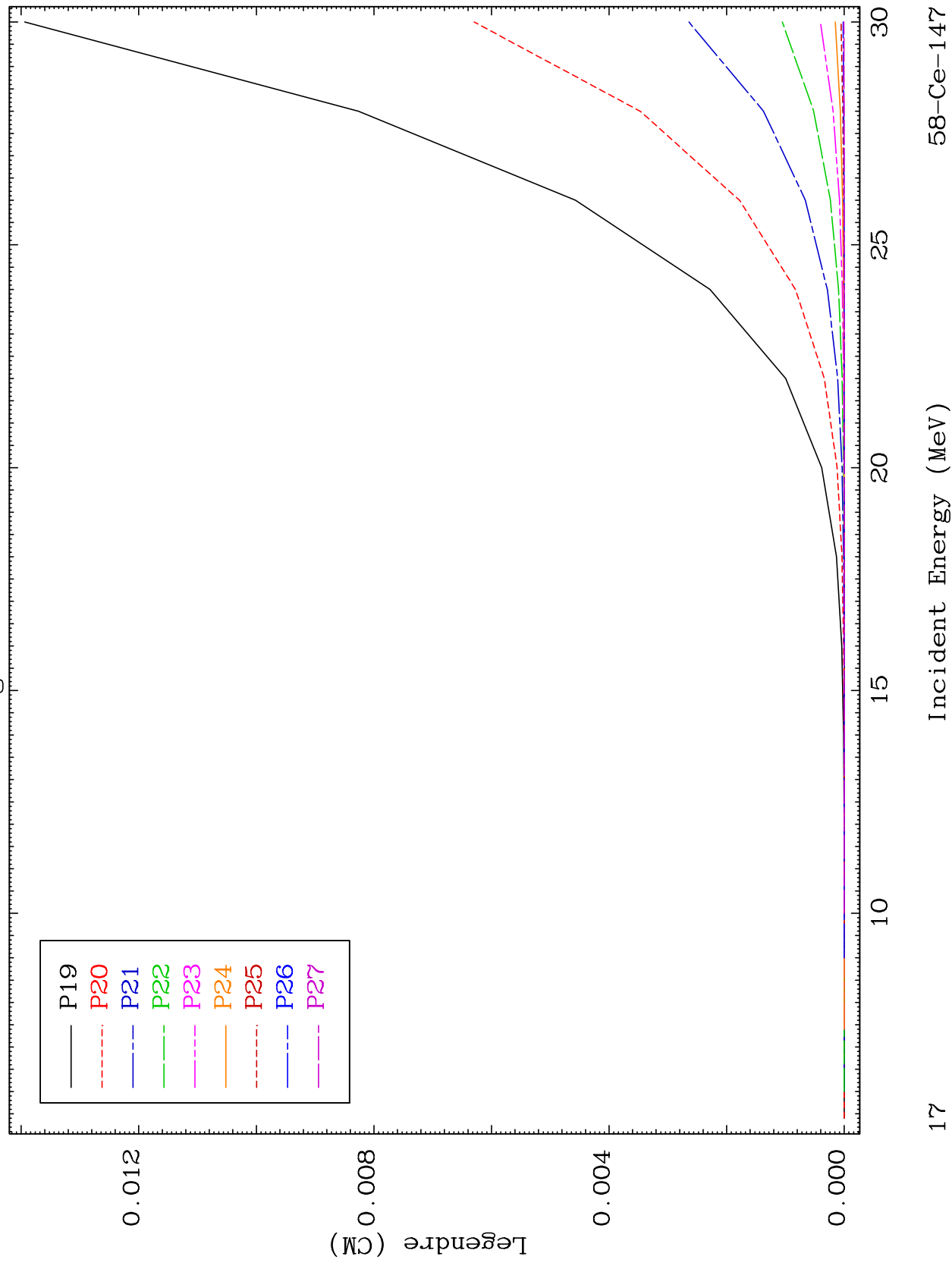
Incident Energy (MeV)

58-Ce-147

MAT 5858

Elastic Legendre Coefficients

58-Ce-147



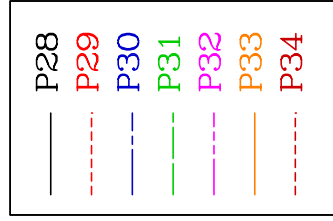
17

58-Ce-147

MAT 5858

Elastic Legendre Coefficients

58-Ce-147



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

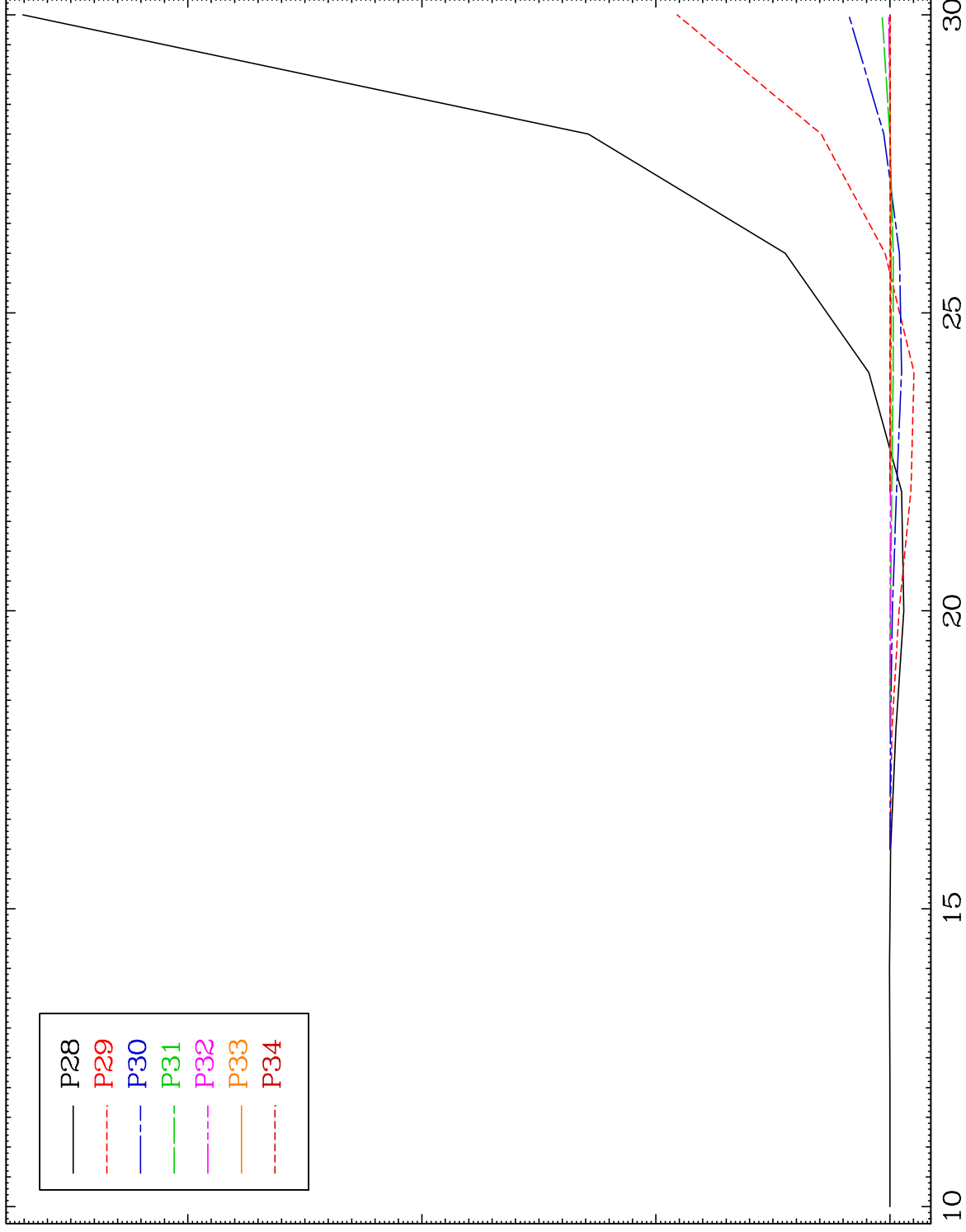
25

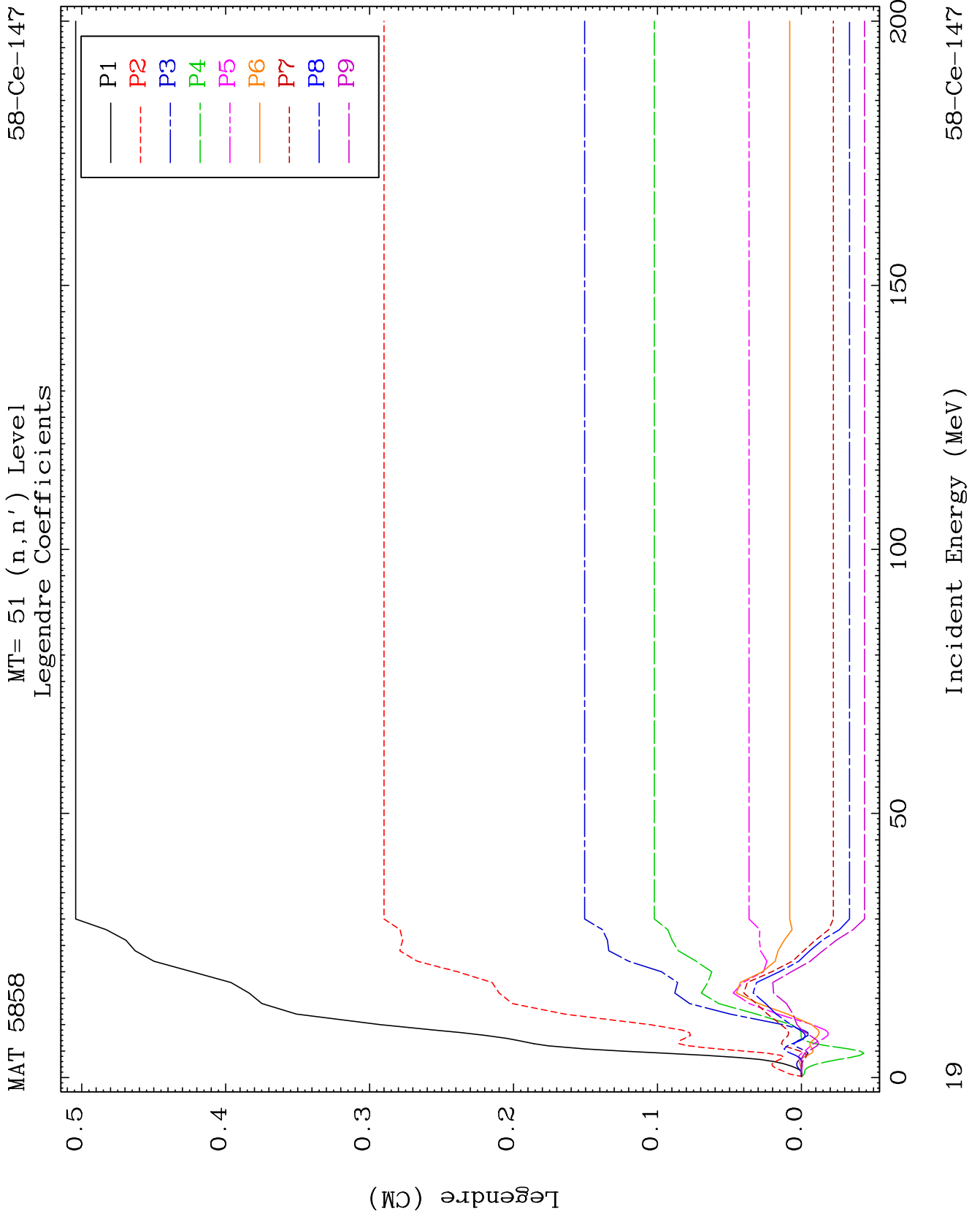
30

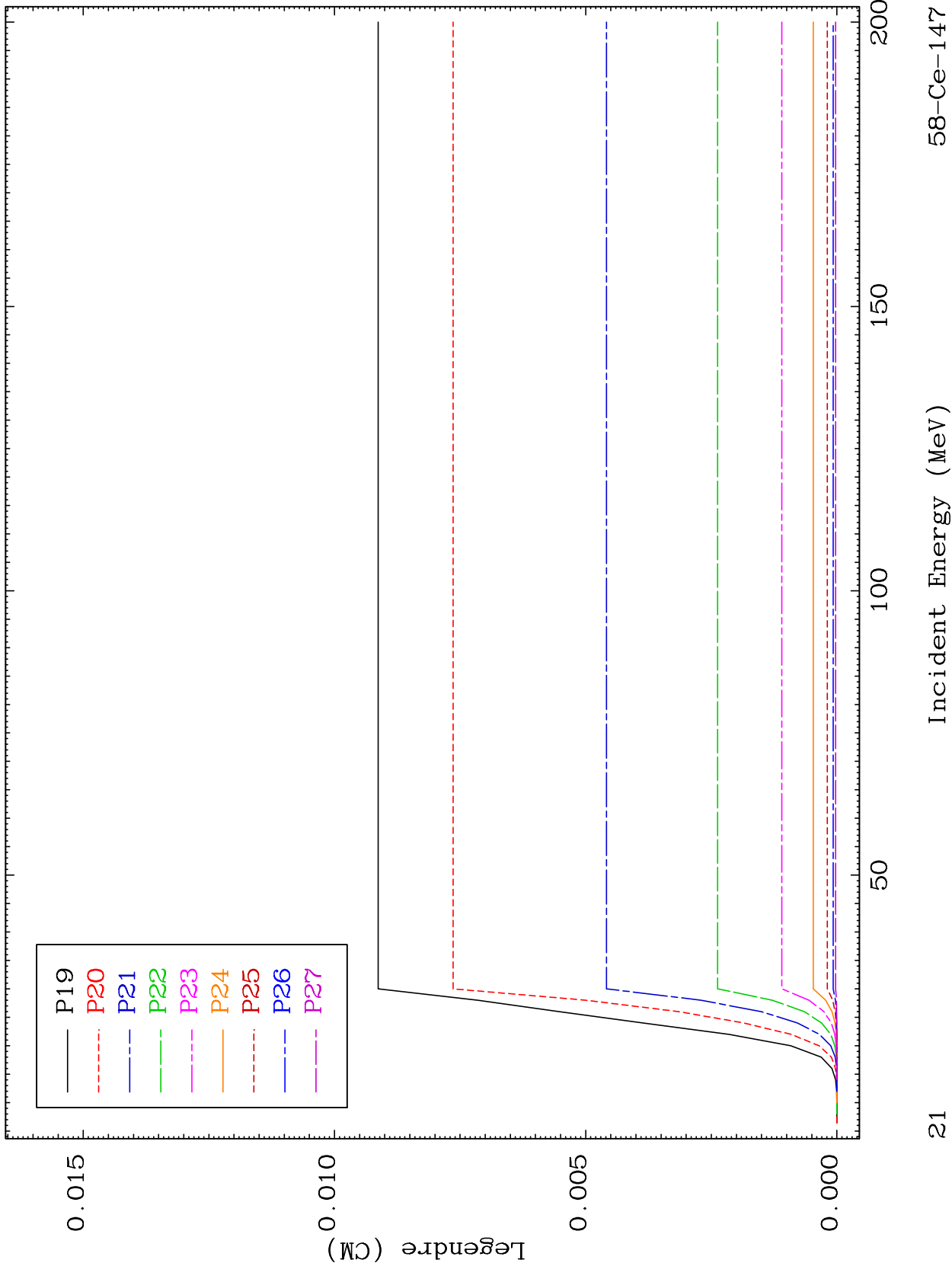
18

Incident Energy (MeV)

58-Ce-147



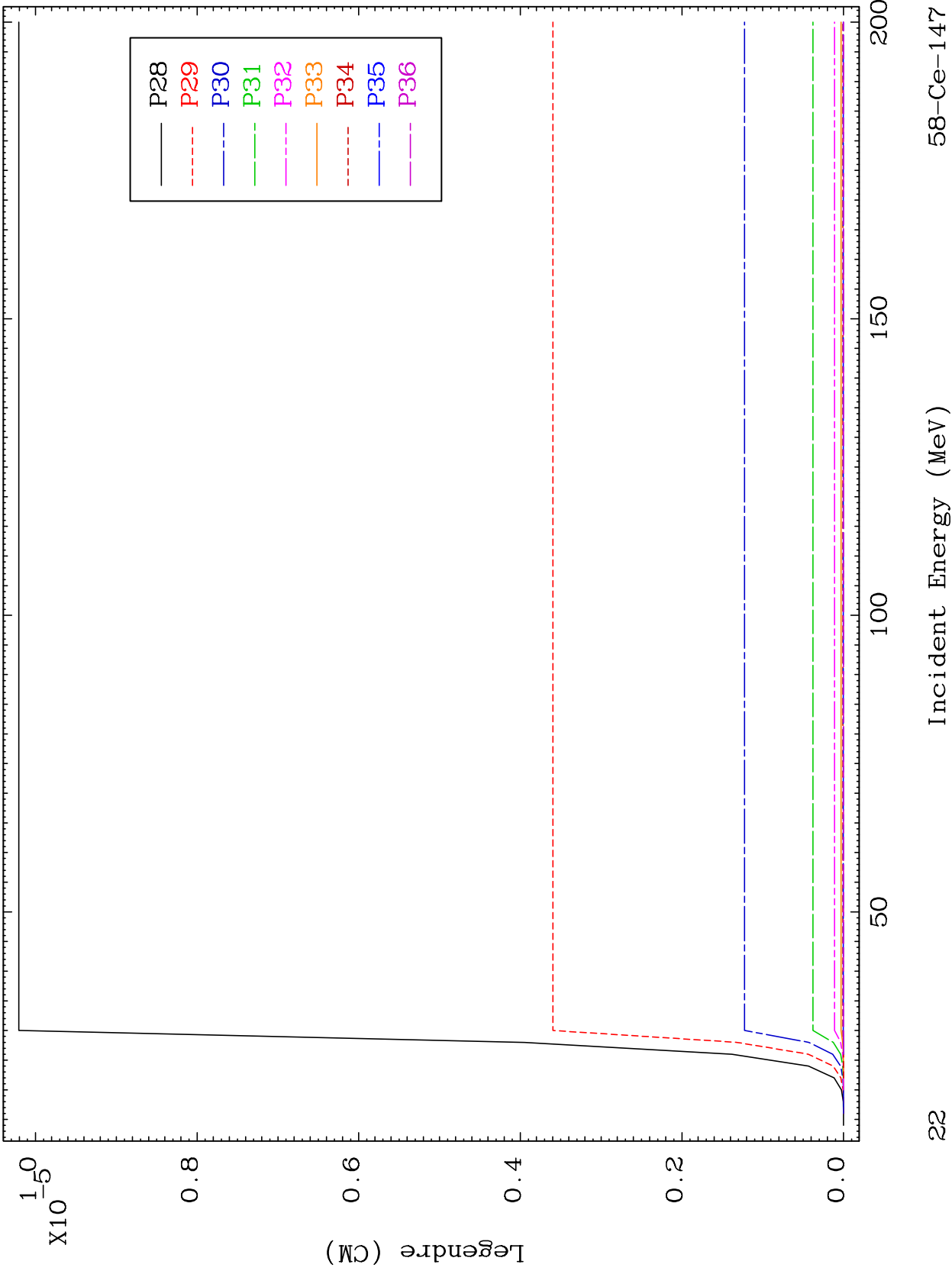




MAT 5858

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

58-Ce-147



22

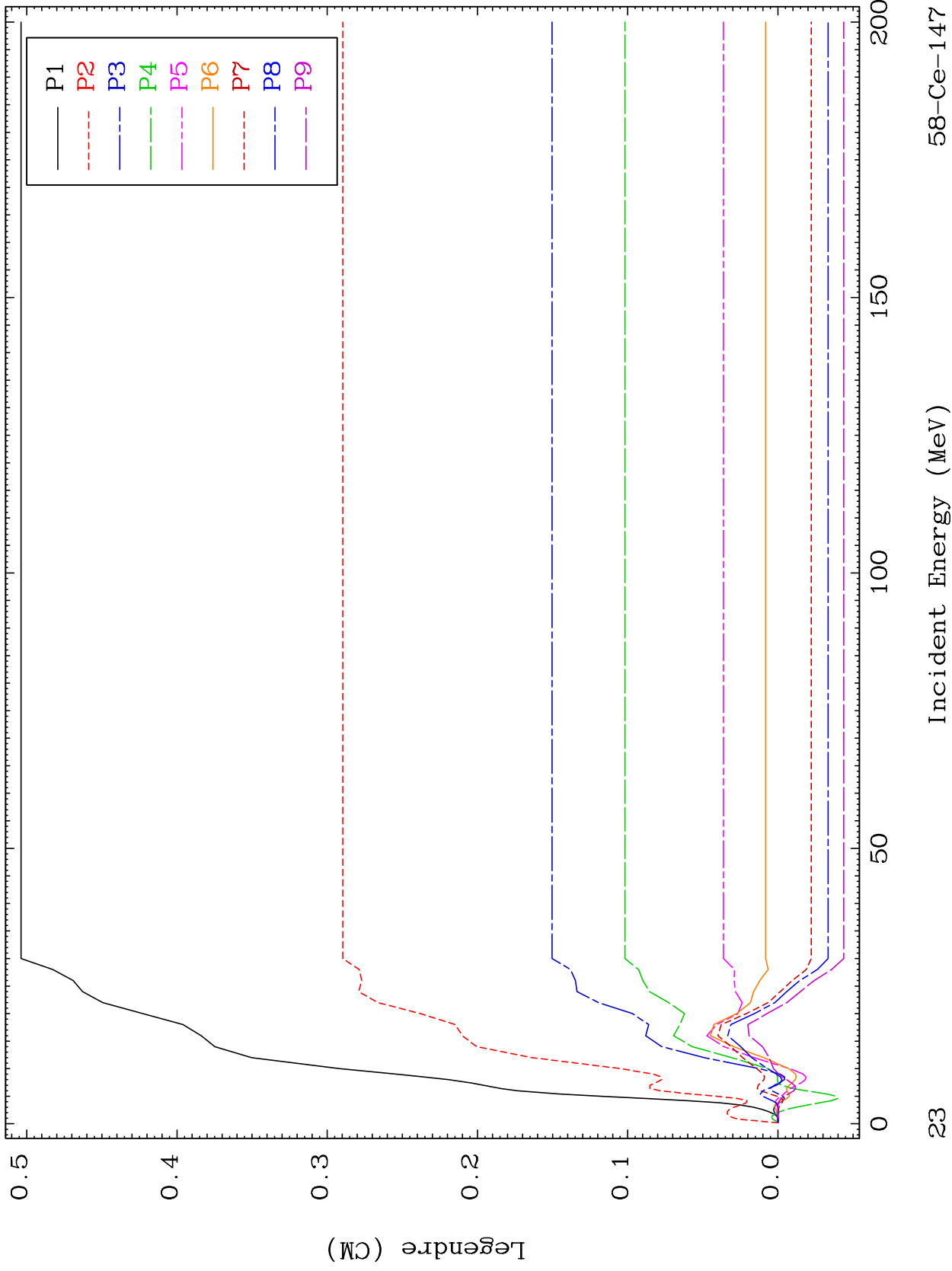
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

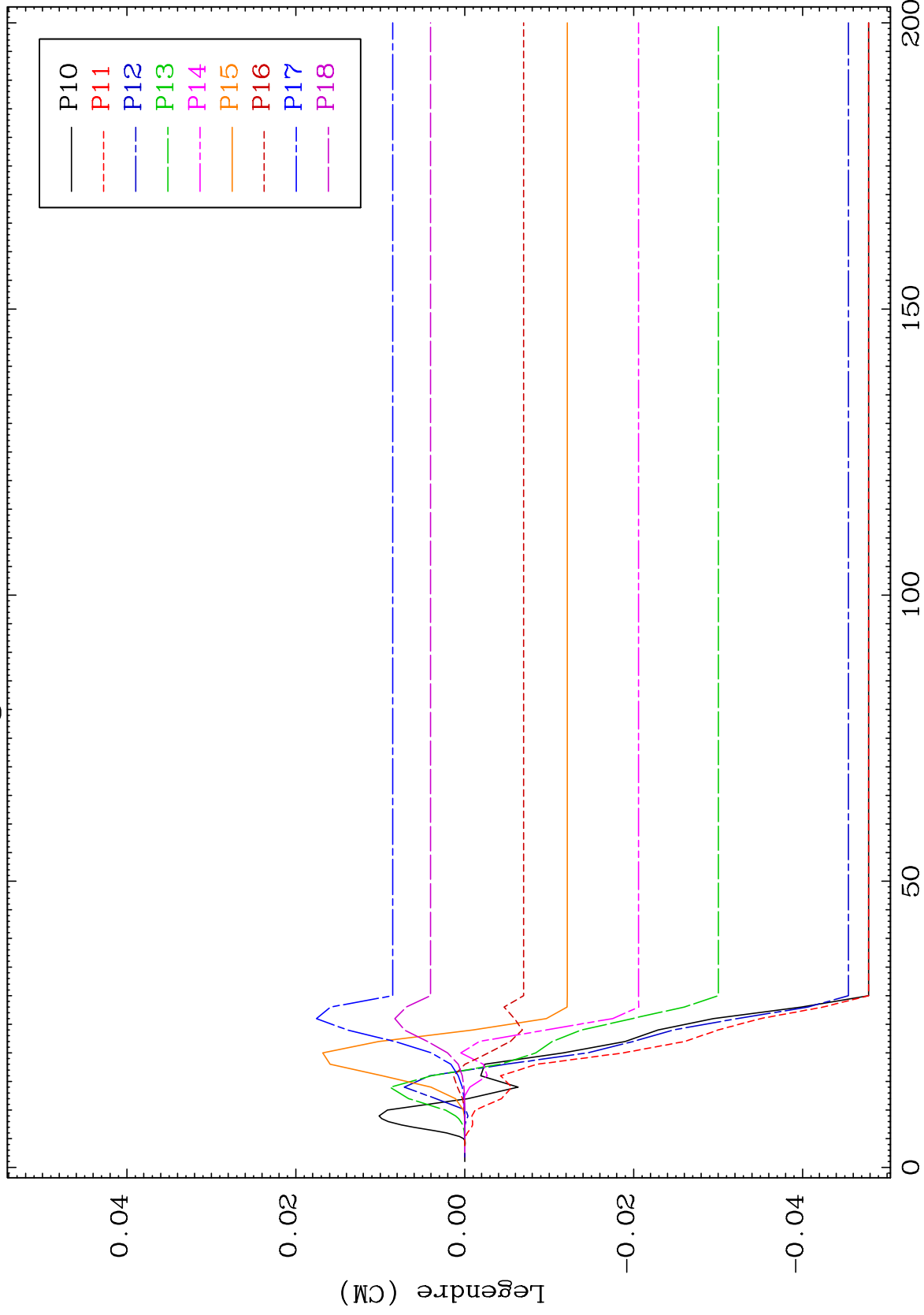
58-Ce-147



MAT 5858

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

58-Ce-147



24

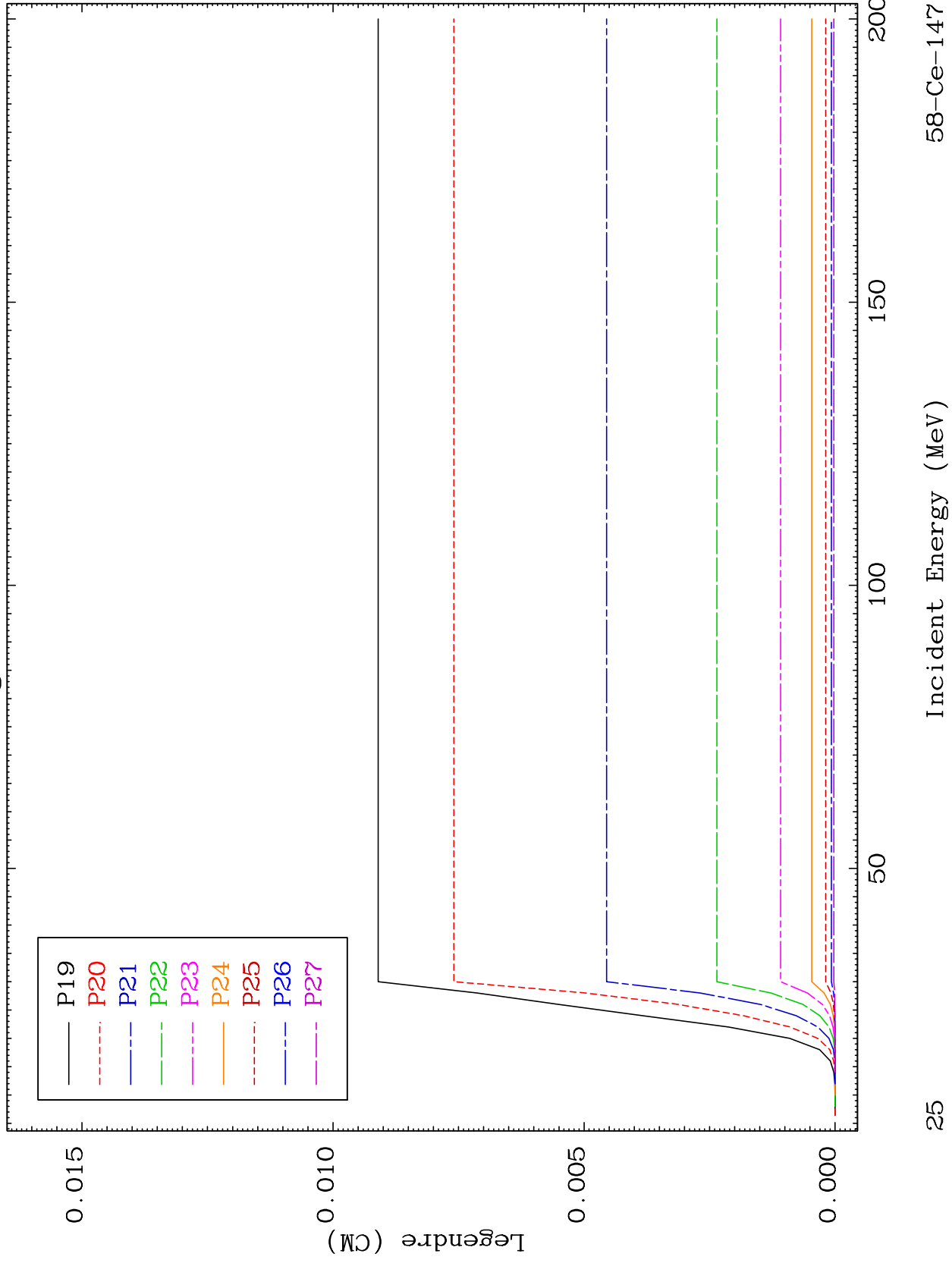
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



58-Ce-147

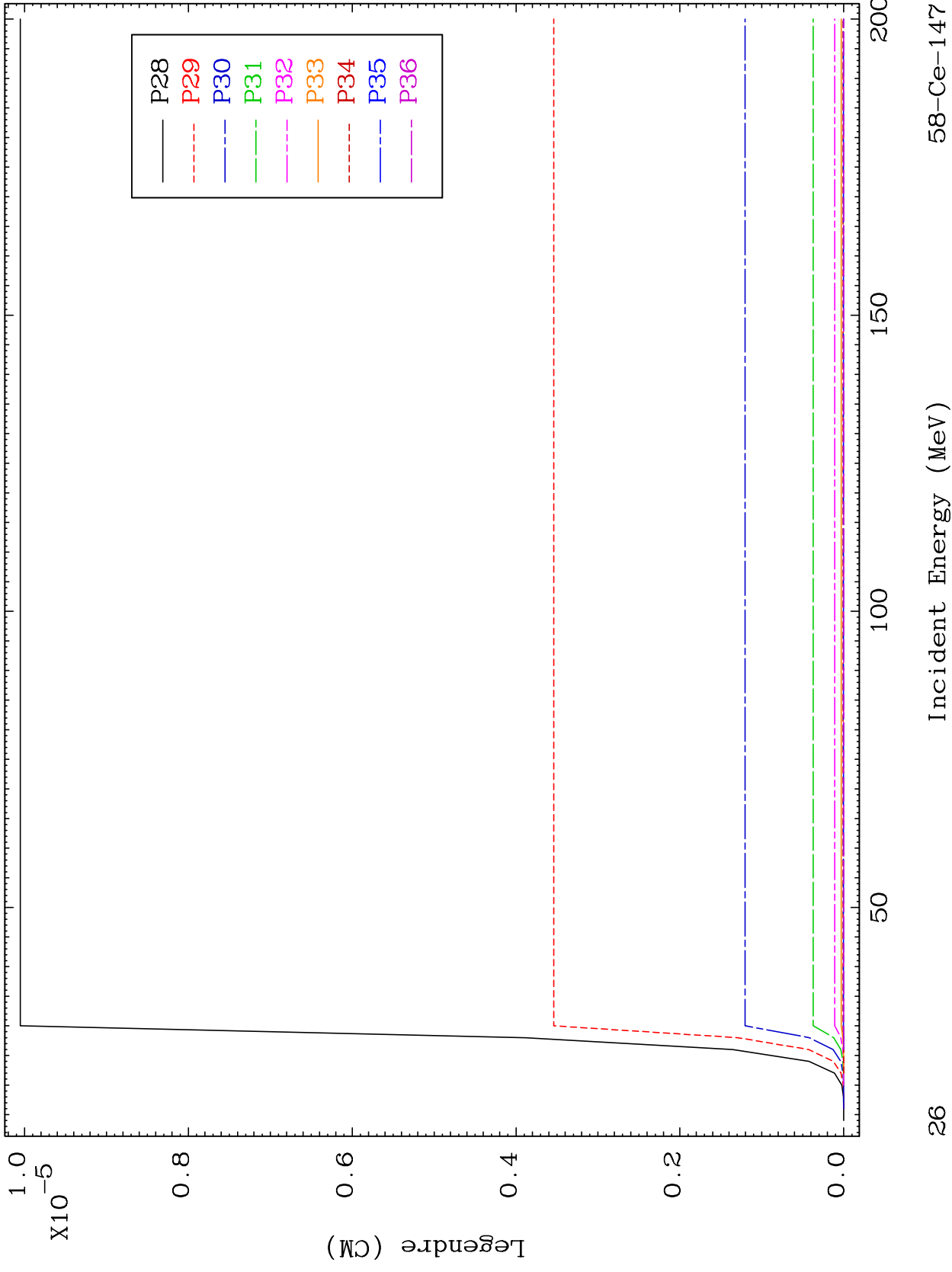
Incident Energy (MeV)

25

MAT 5858

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

58-Ce-147



26

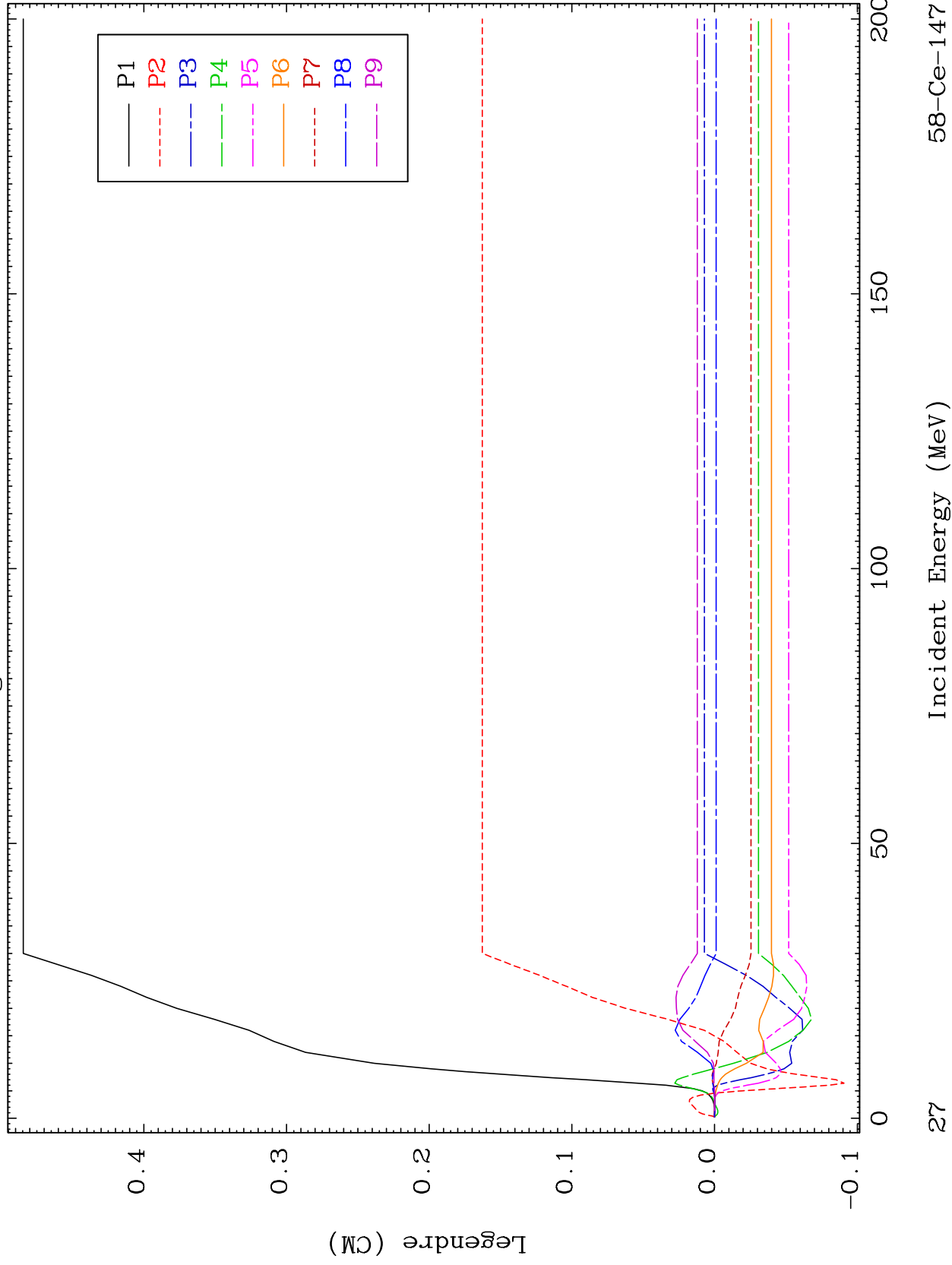
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

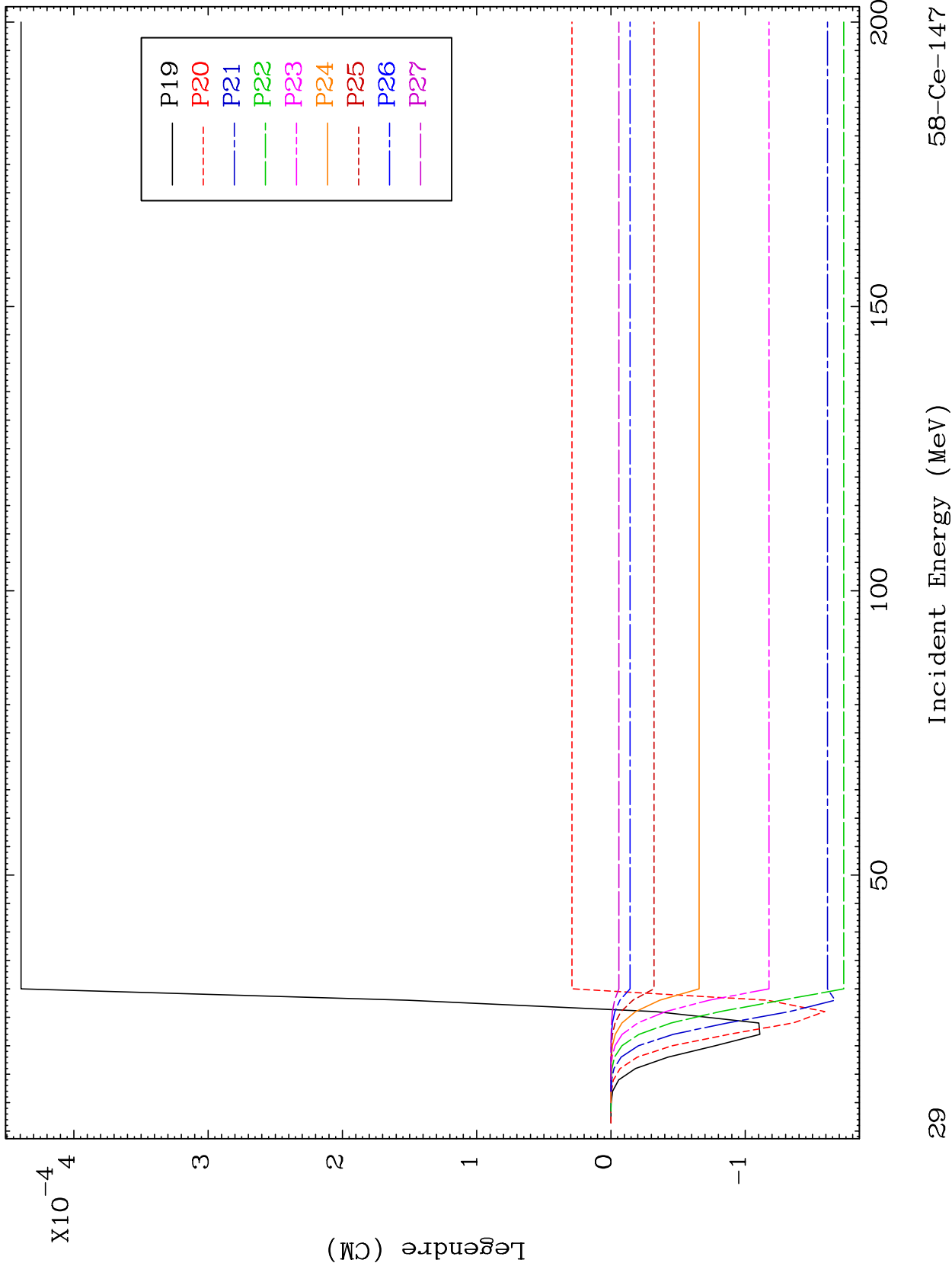
58-Ce-147

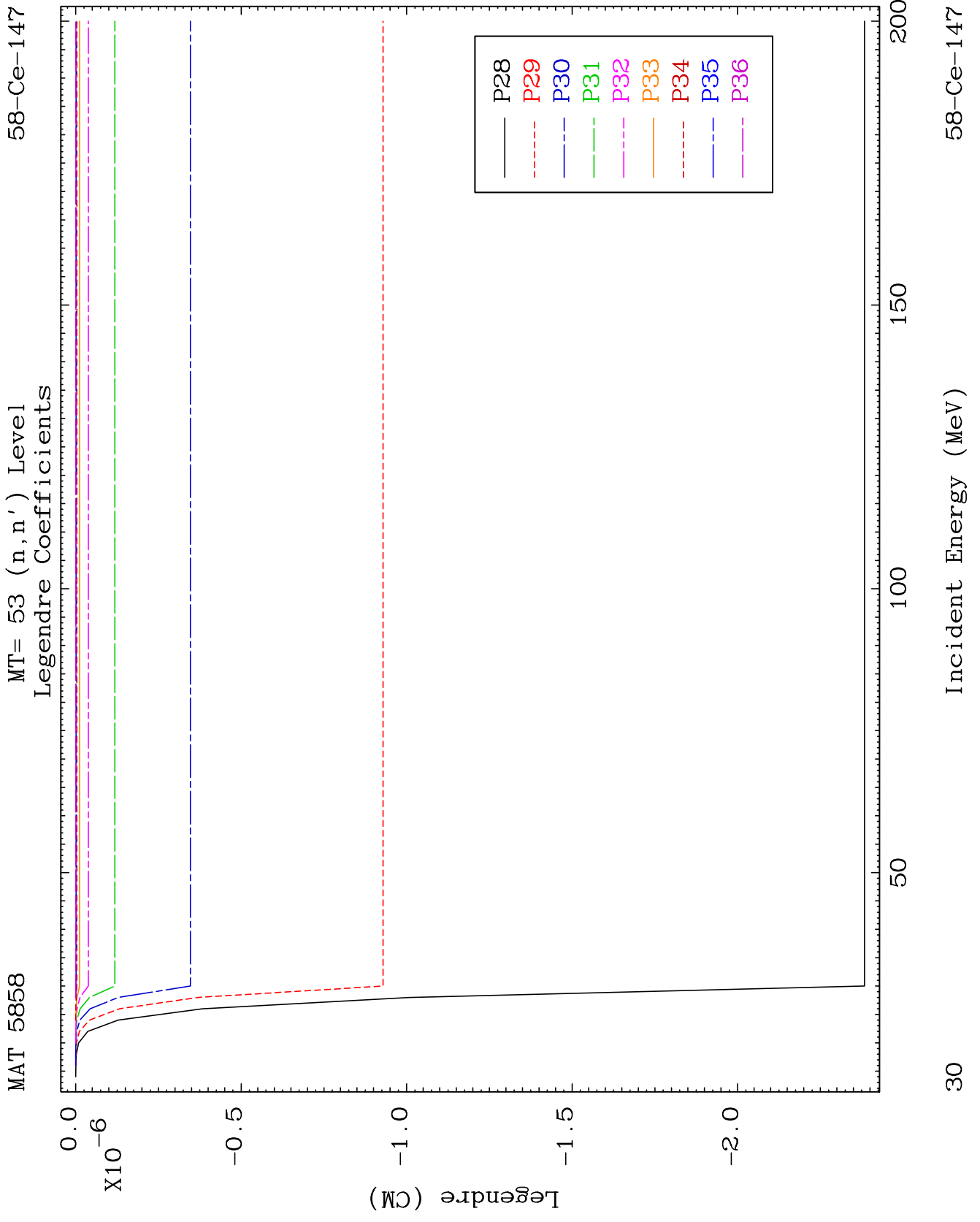


58-Ce-147

Incident Energy (MeV)

27

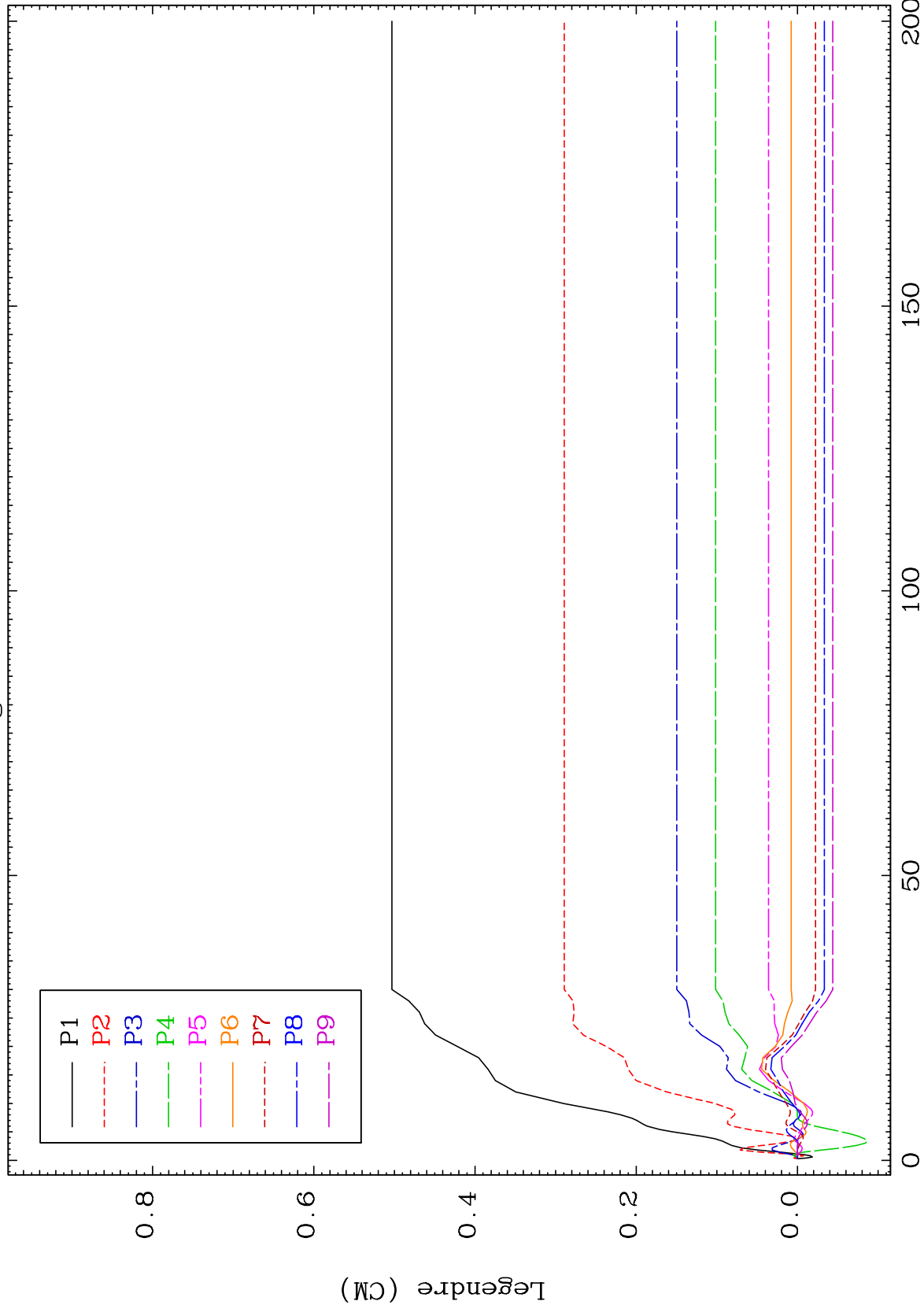




MAT 5858

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

58-Ce-147



31

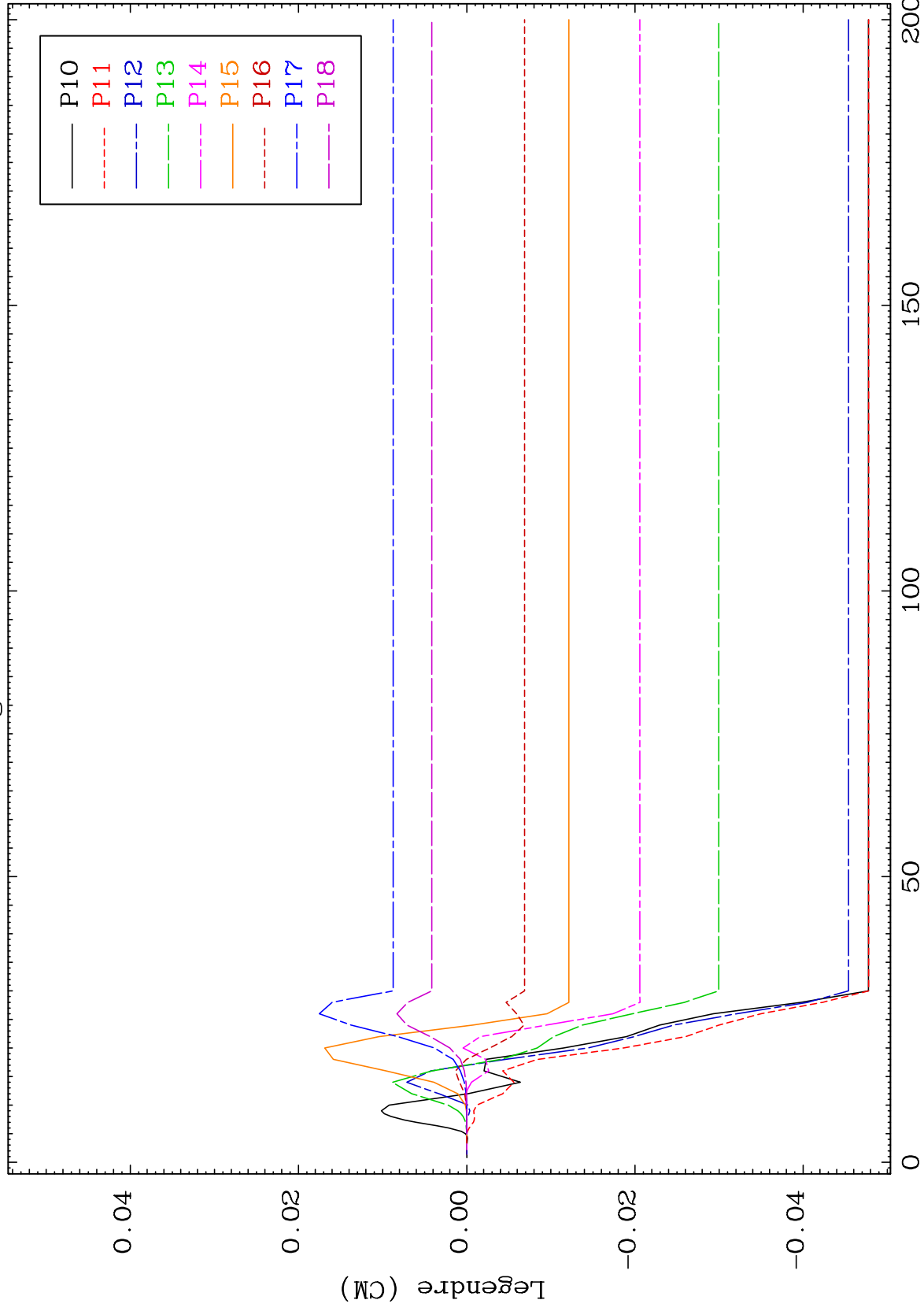
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



32

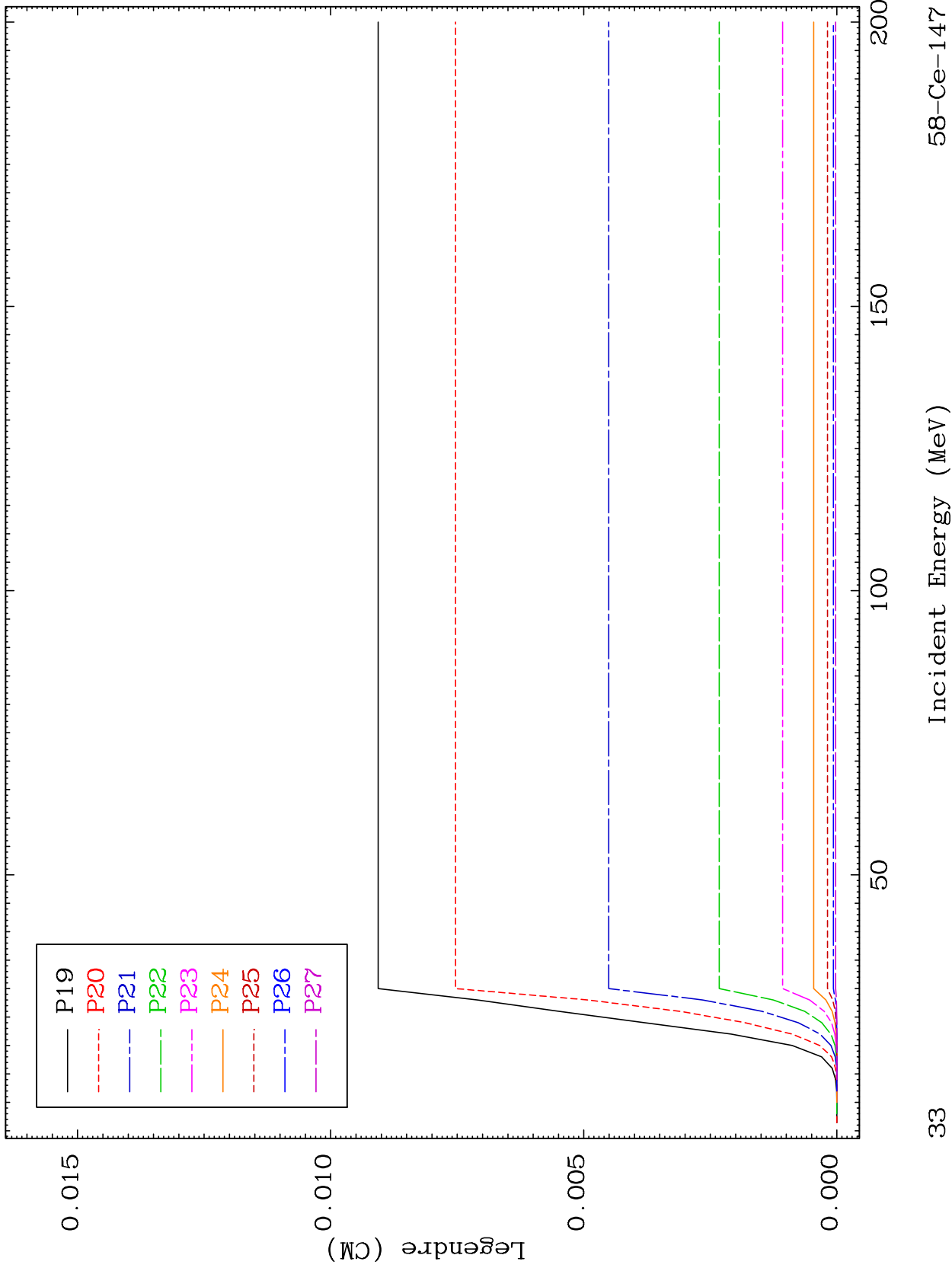
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147

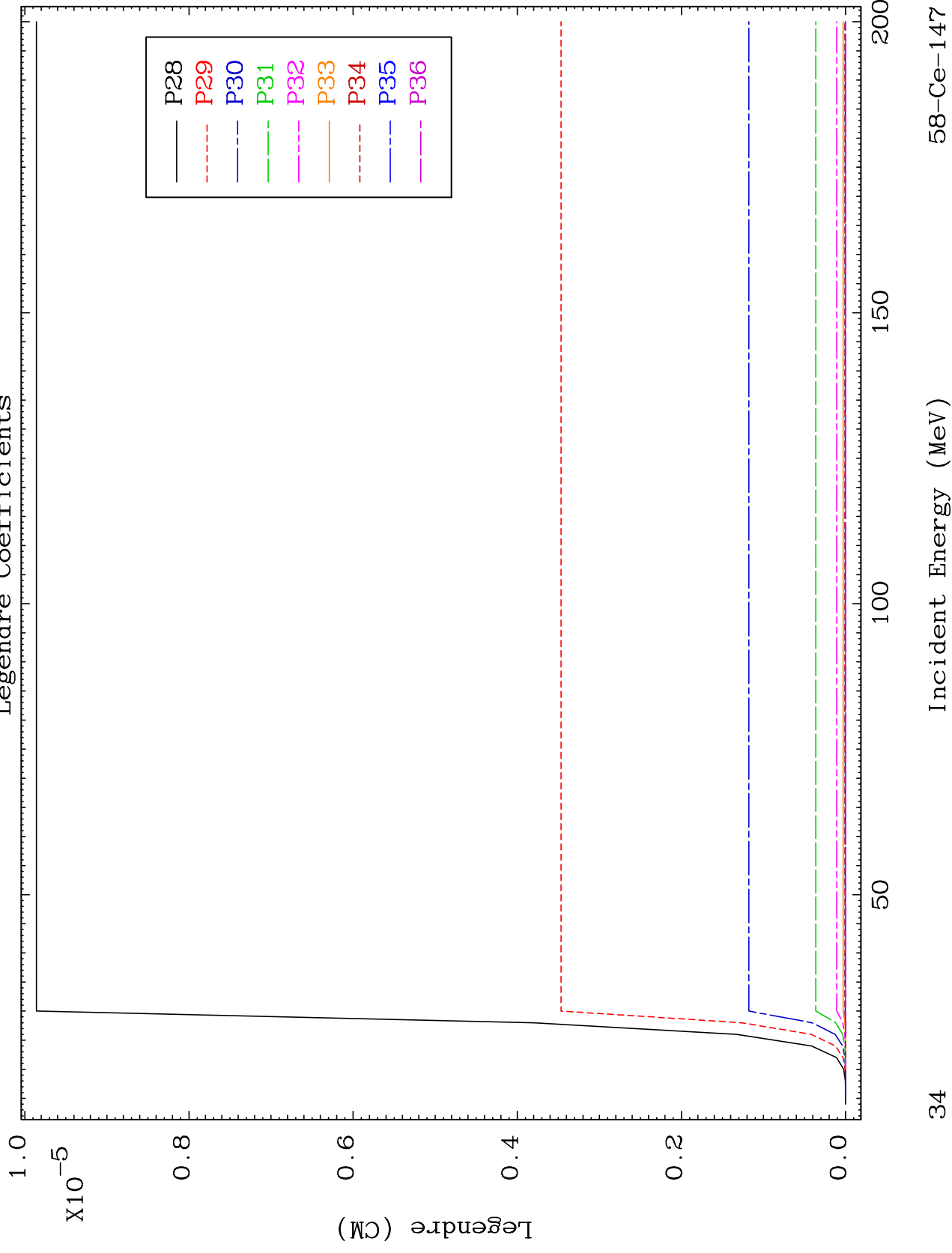


33

MAT 5858

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

58-Ce-147



34

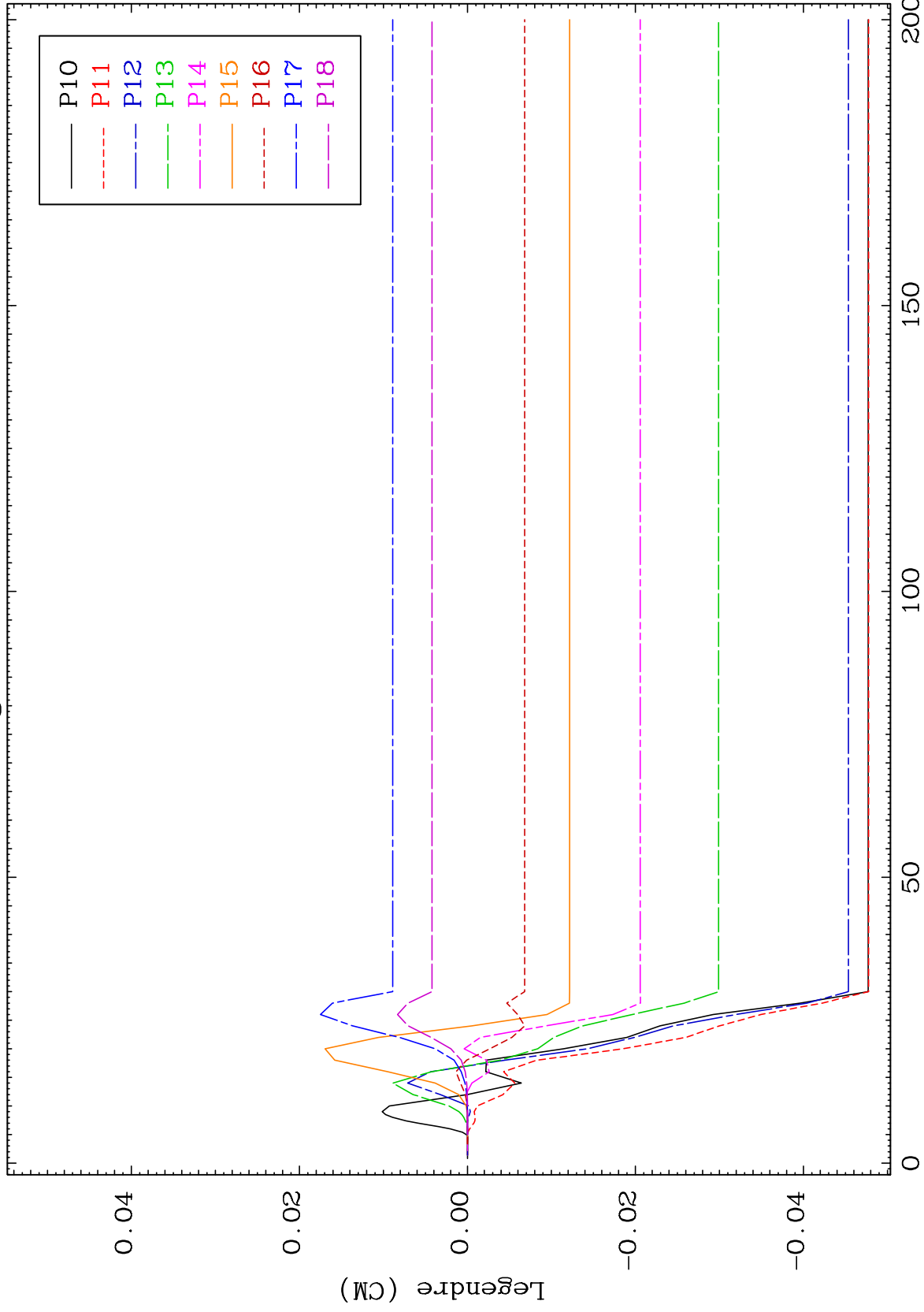
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



36

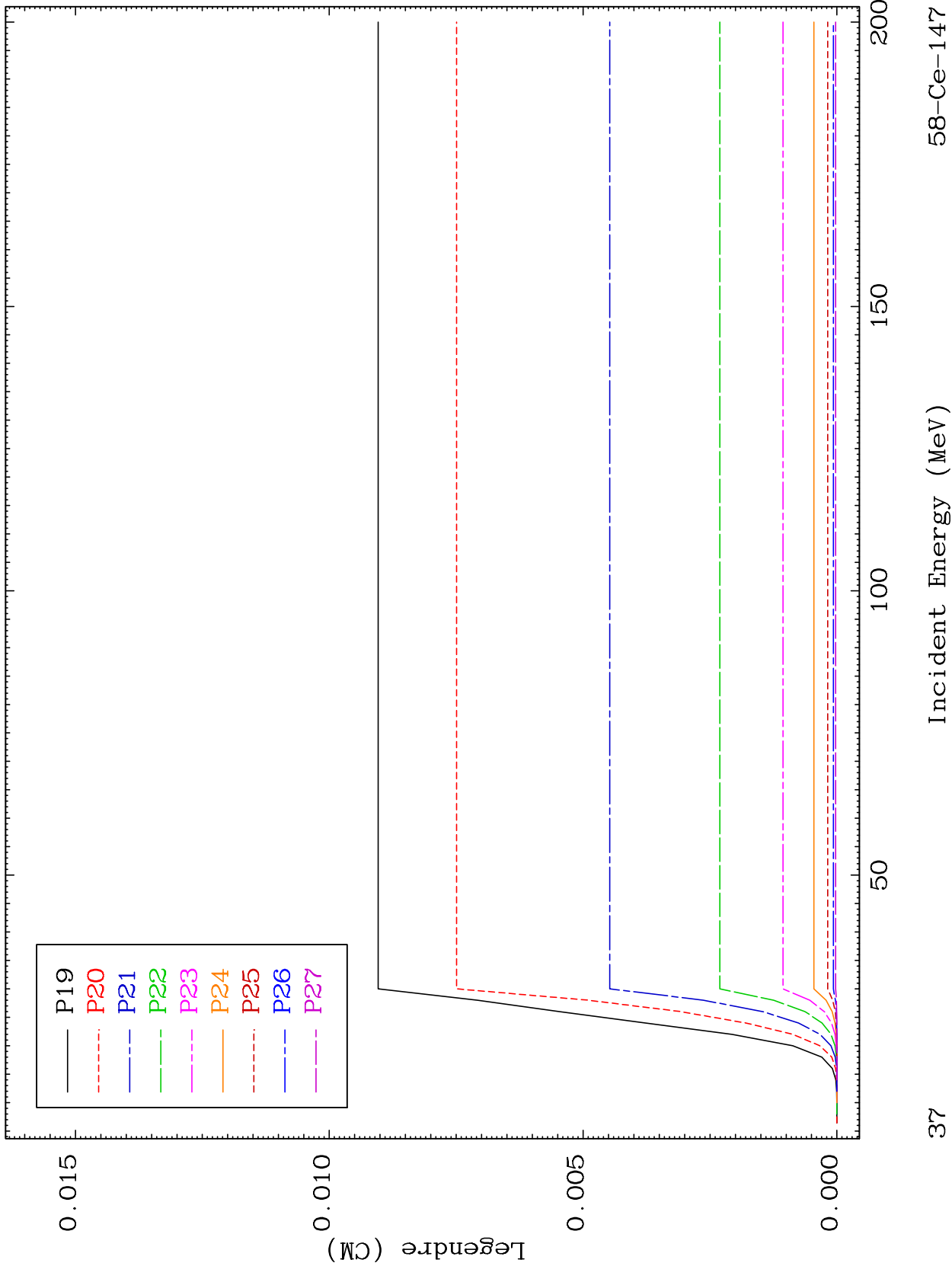
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



37

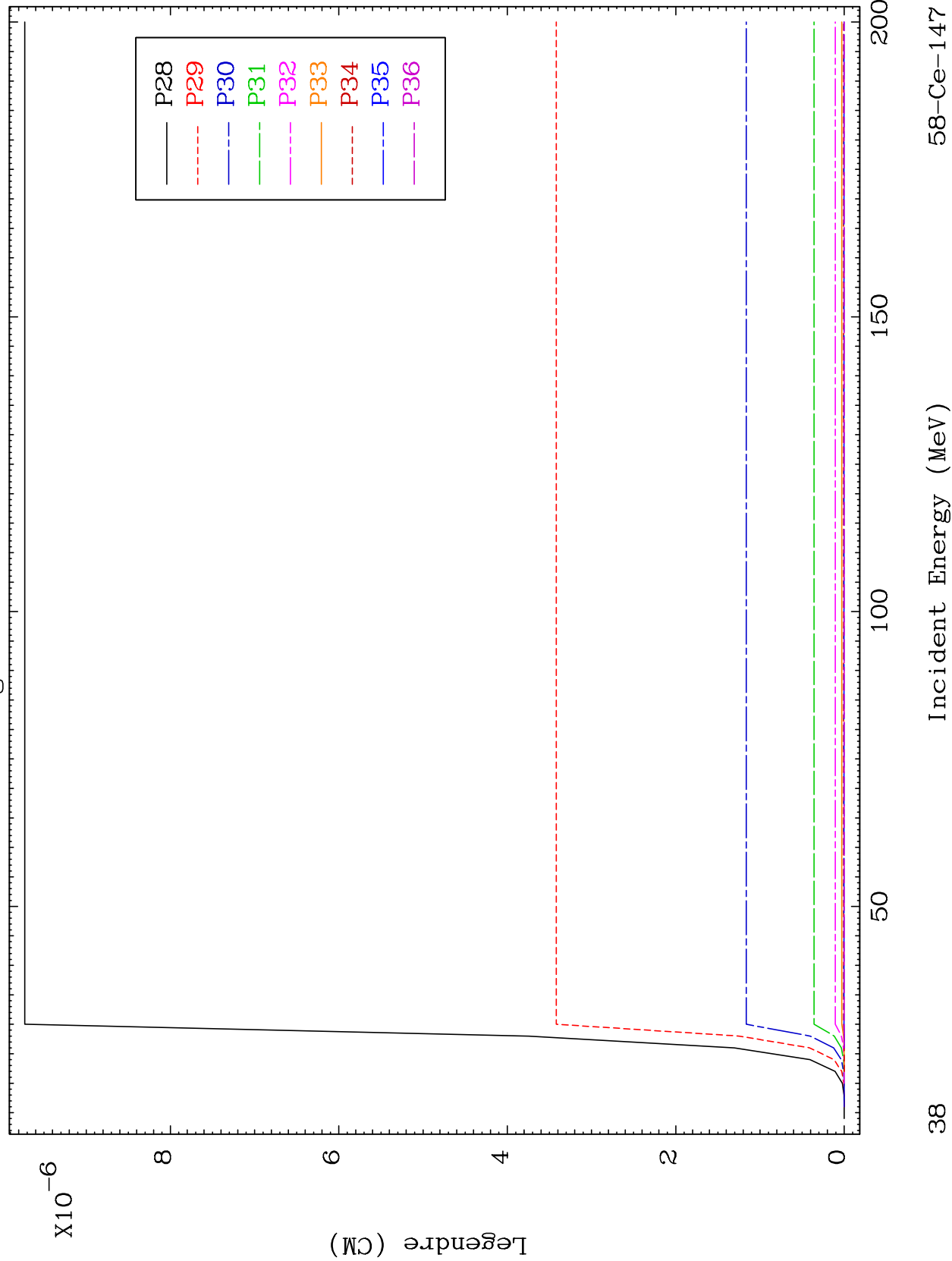
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

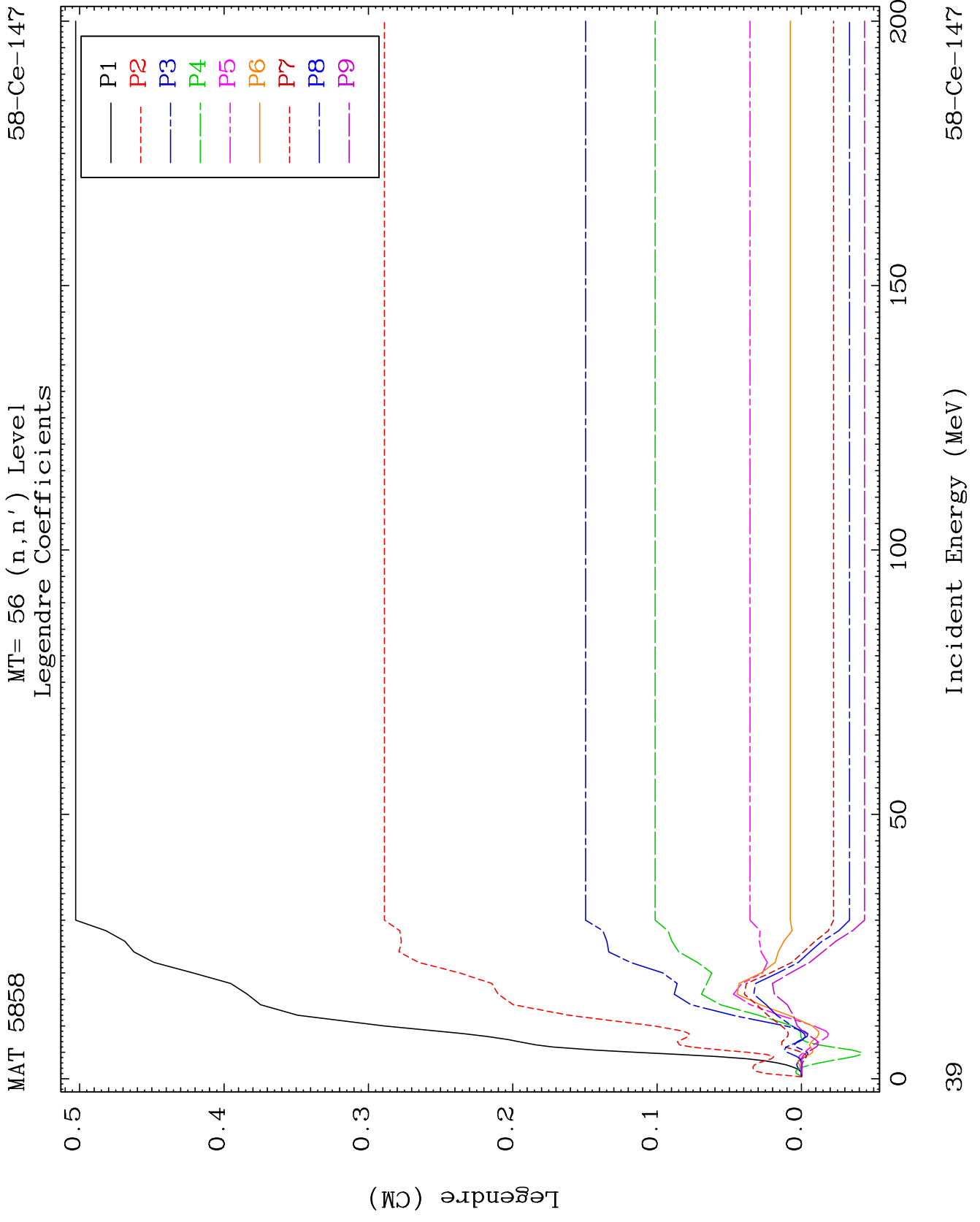
58-Ce-147



38

Incident Energy (MeV)

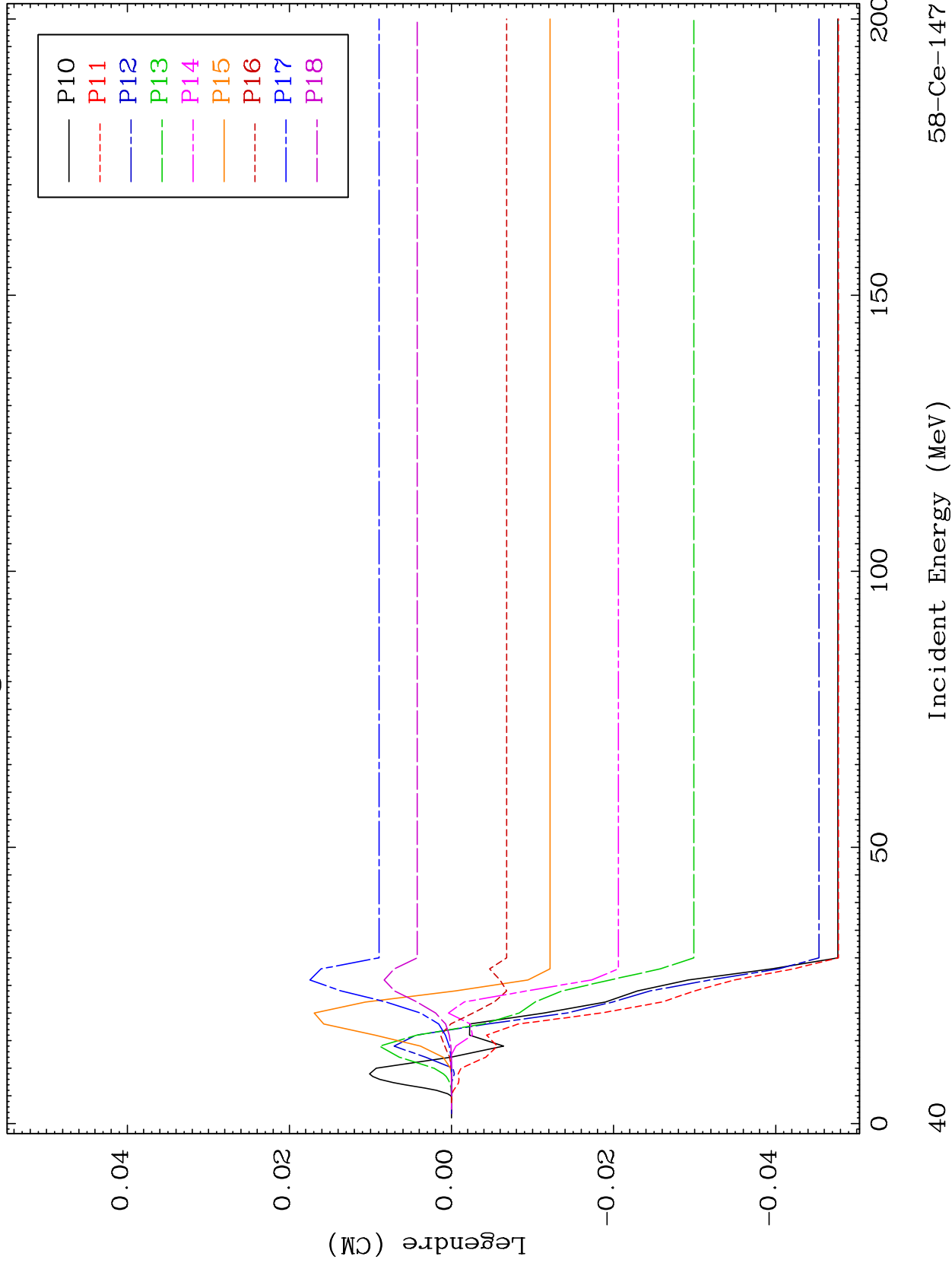
58-Ce-147



MAT 5858

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

58-Ce-147



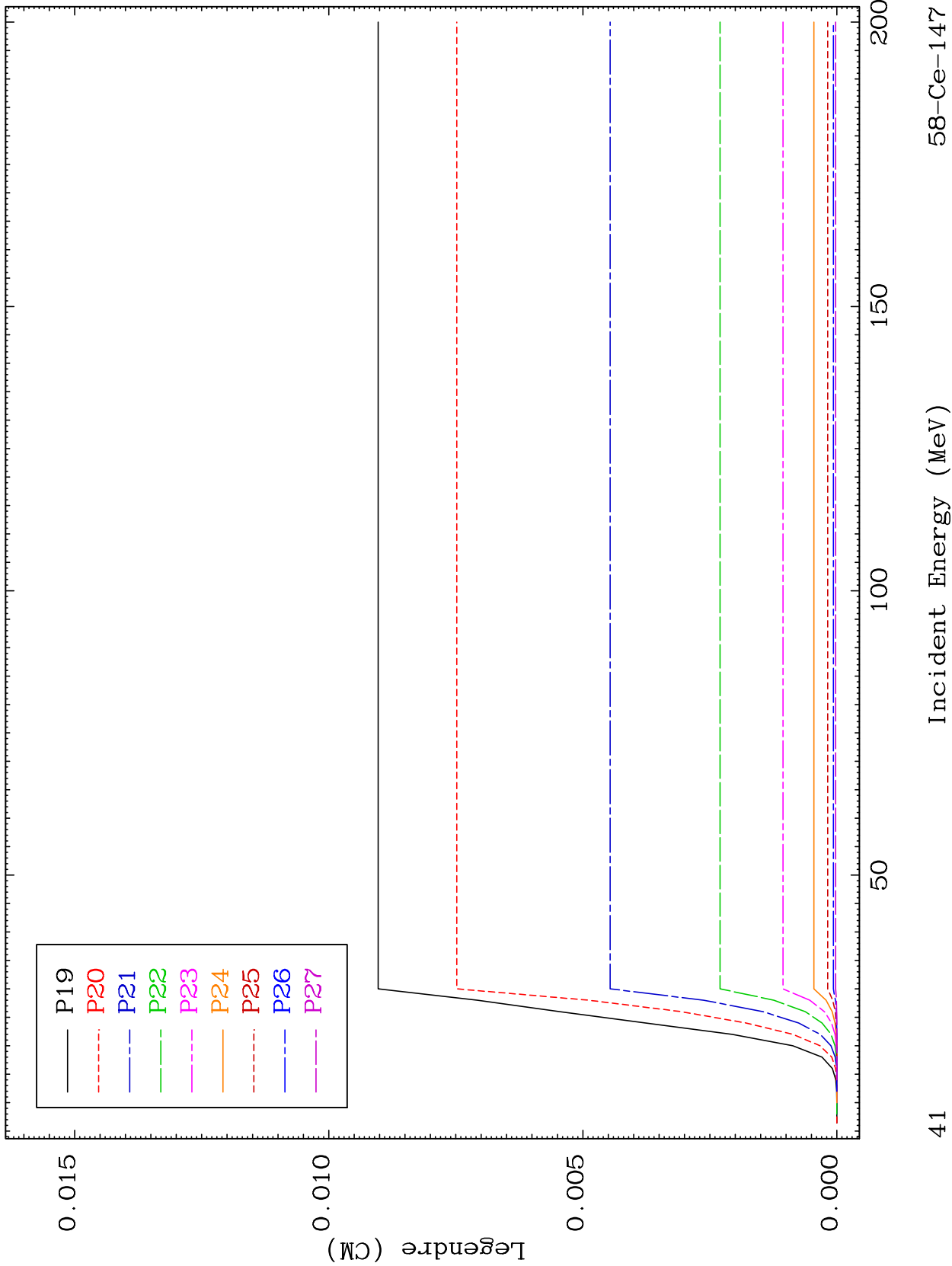
58-Ce-147

Incident Energy (MeV)

MAT 5858

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

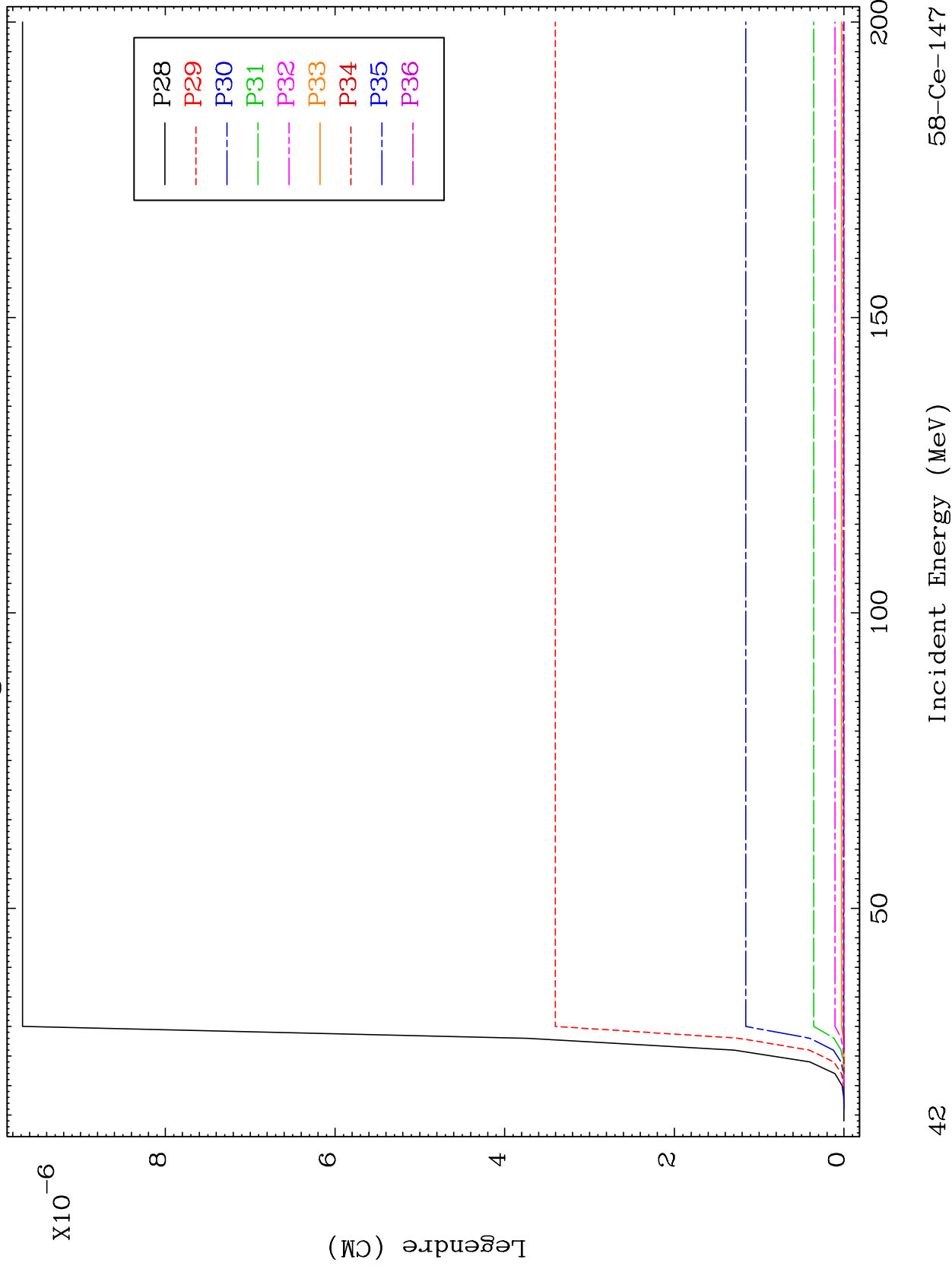
58-Ce-147



MAT 5858

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

58-Ce-147



42

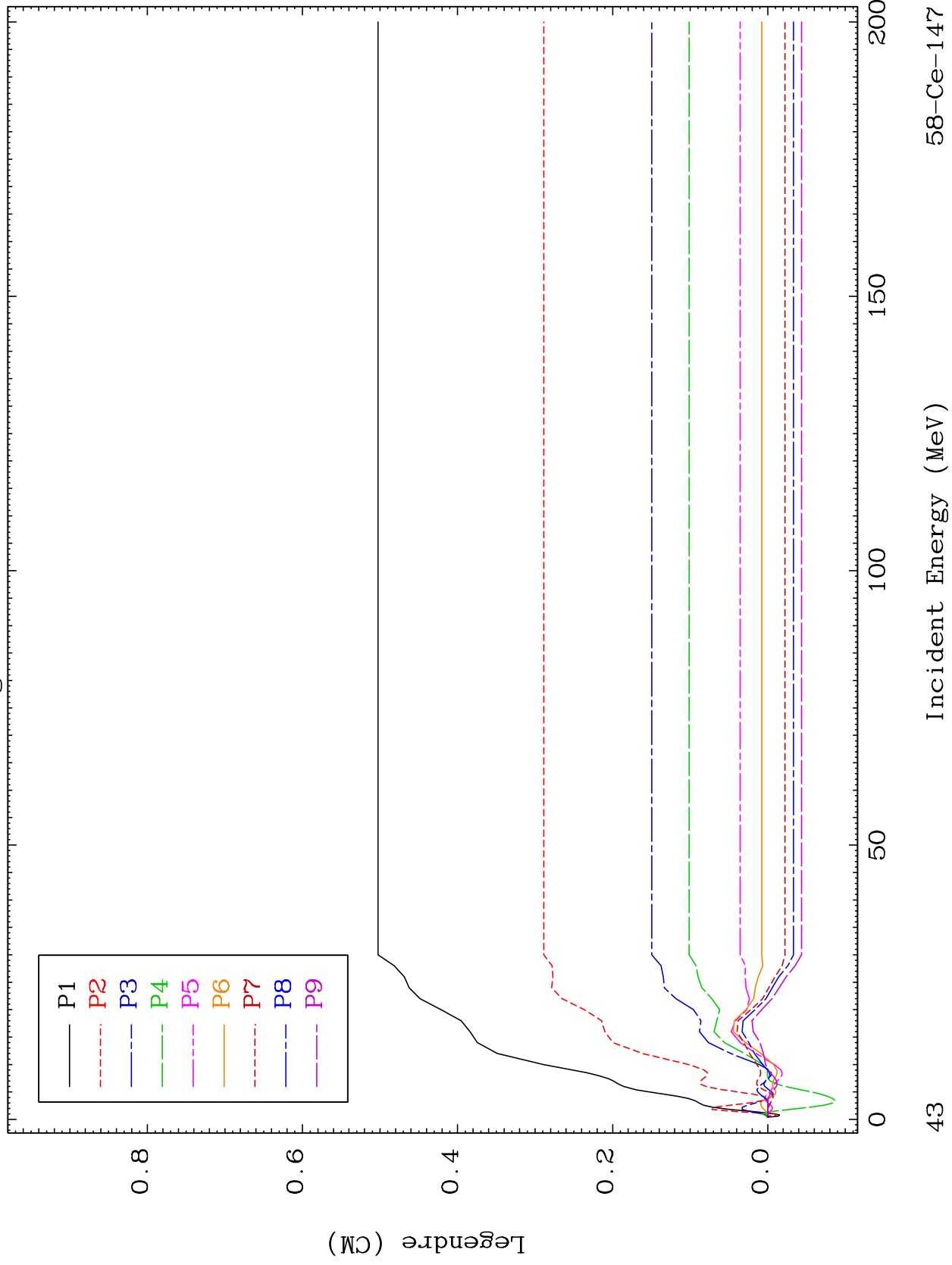
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



58-Ce-147

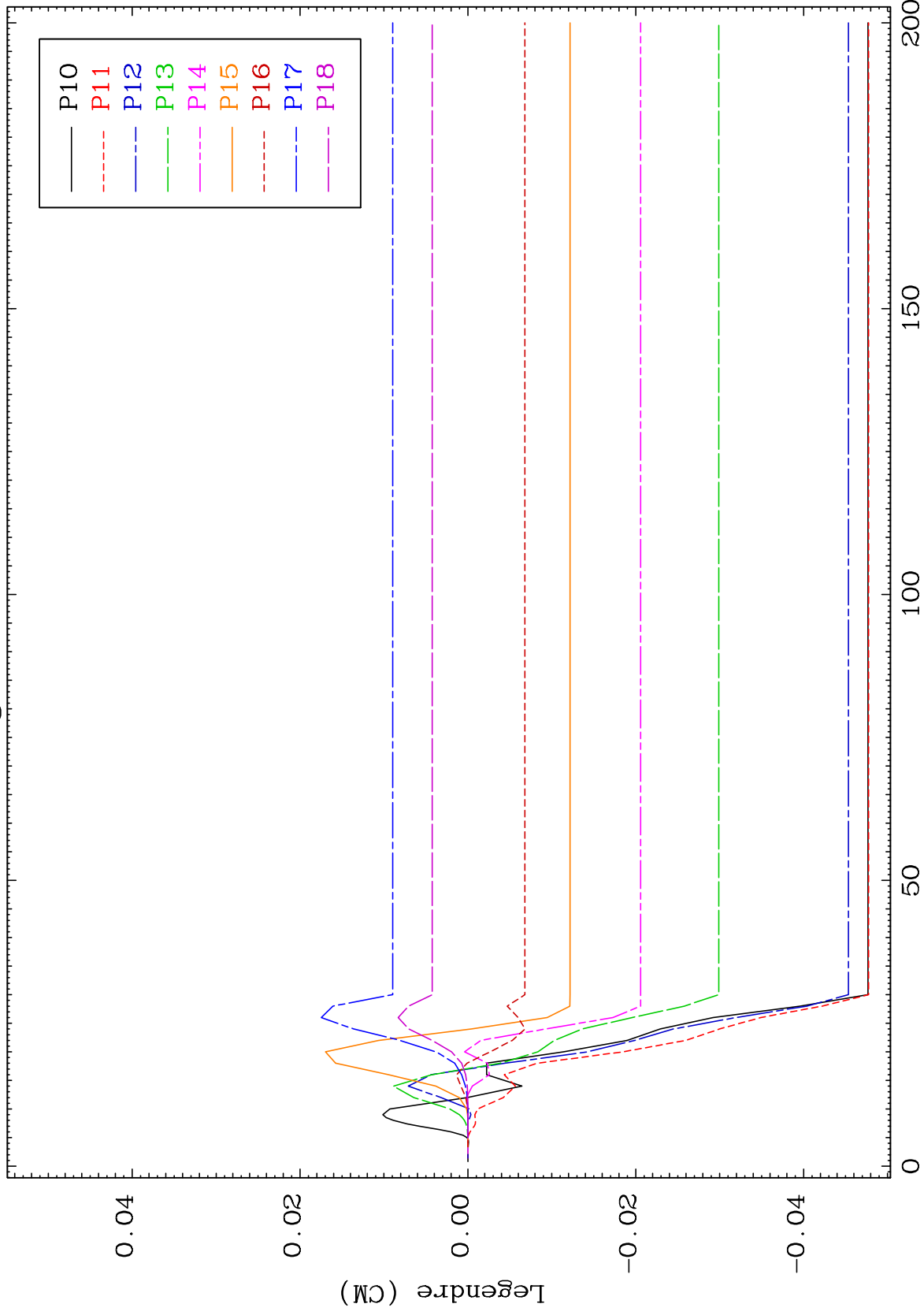
Incident Energy (MeV)

43

MAT 5858

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

58-Ce-147



44

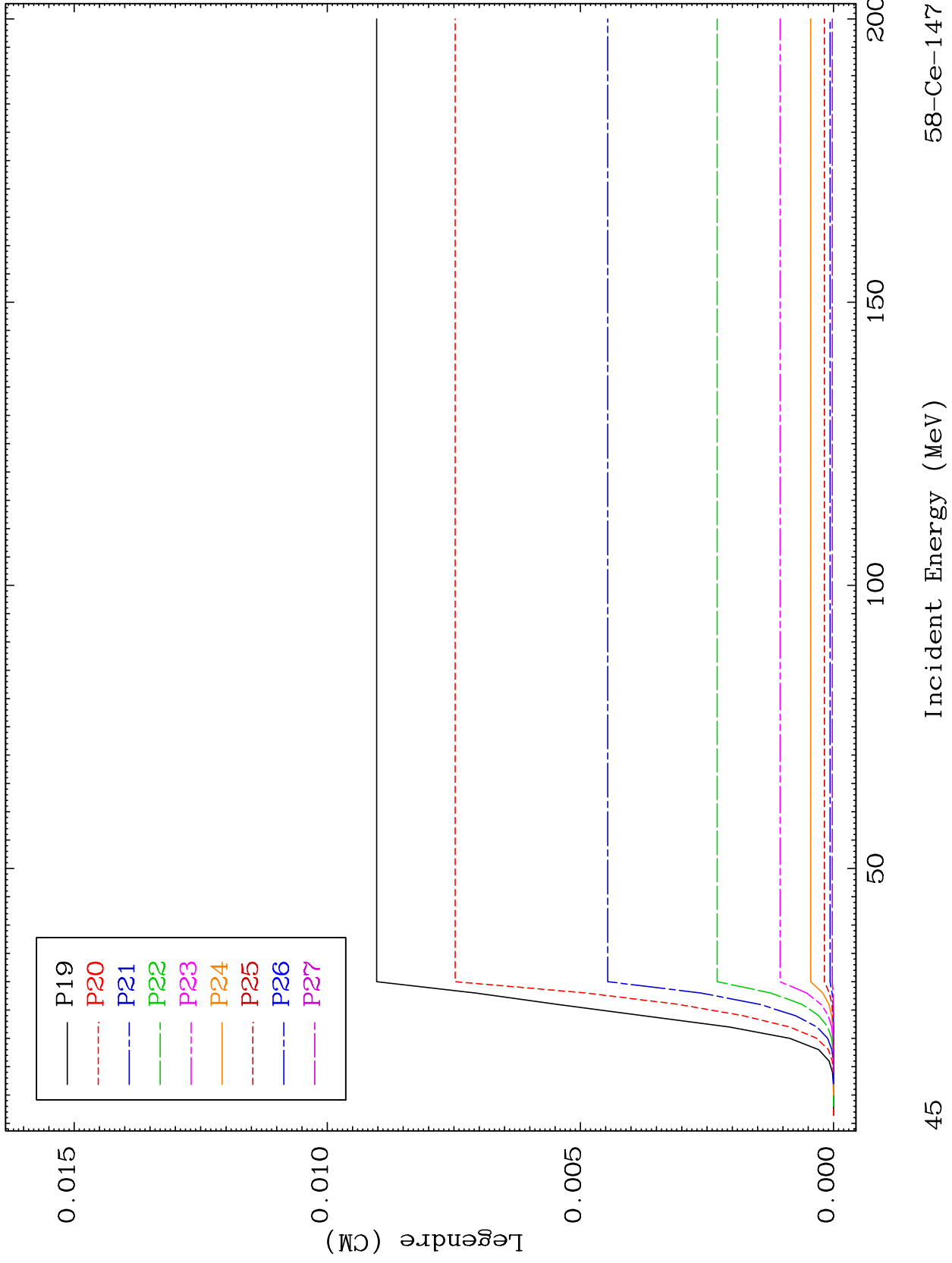
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



45

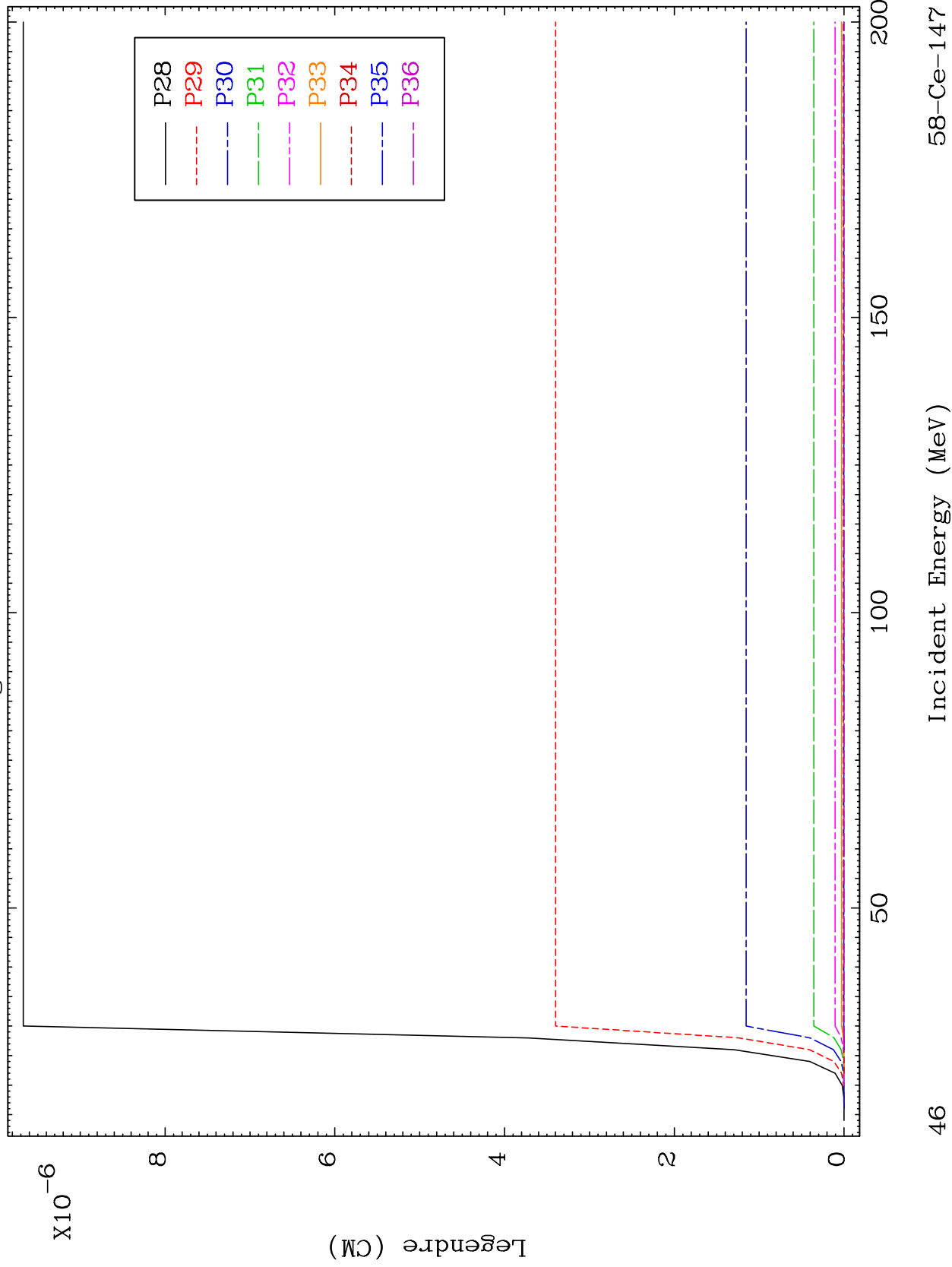
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



46

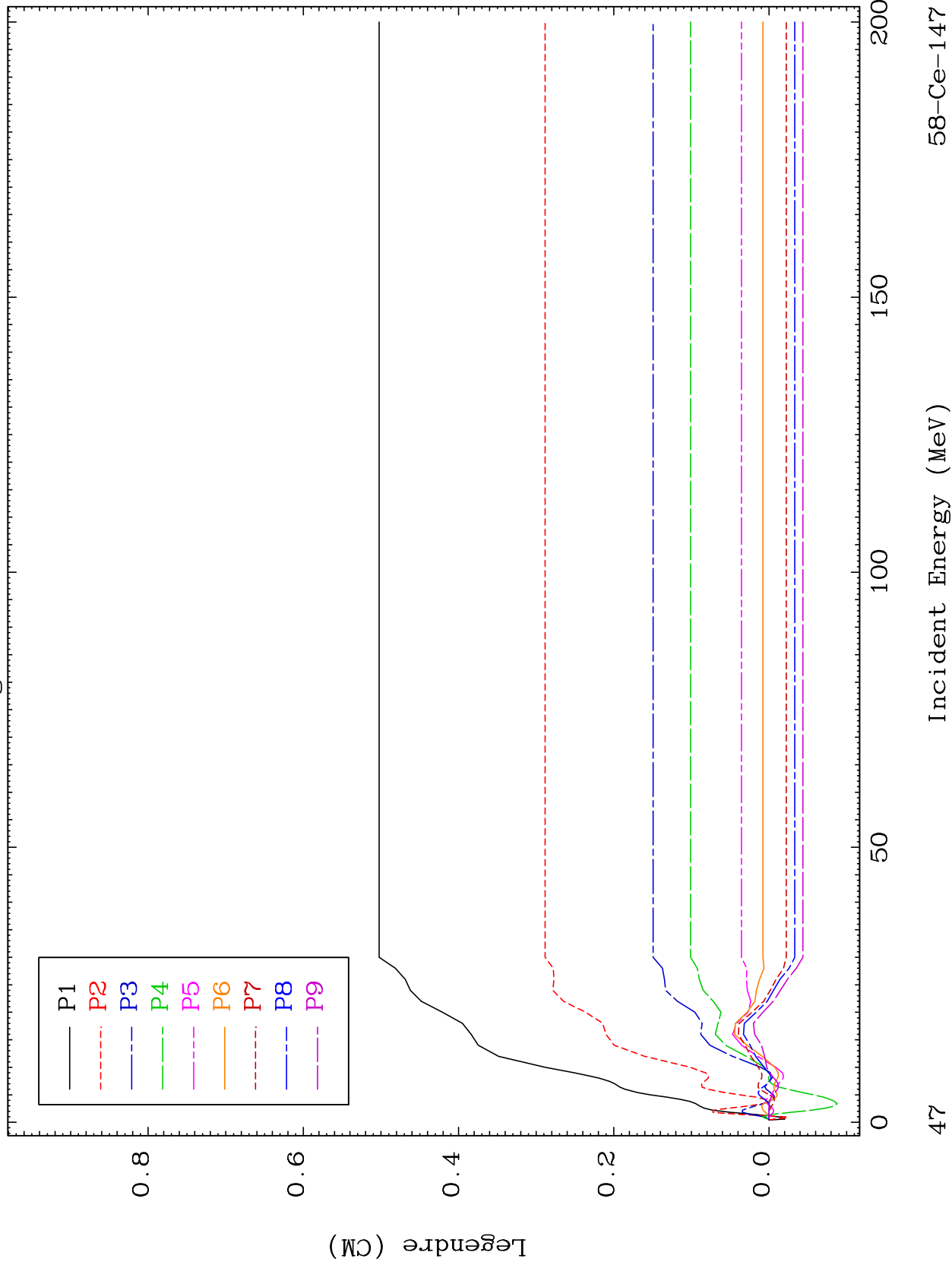
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

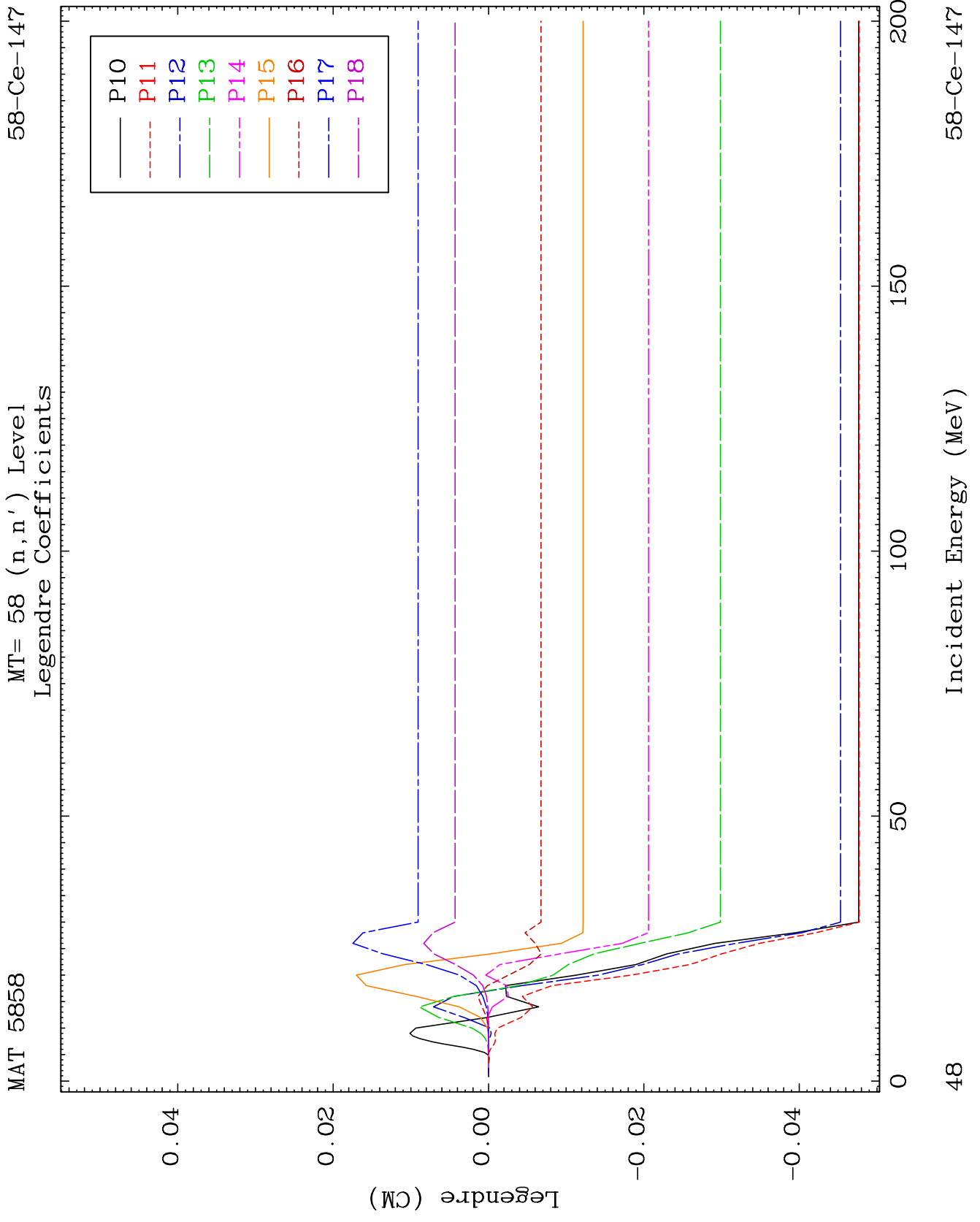
58-Ce-147



58-Ce-147

Incident Energy (MeV)

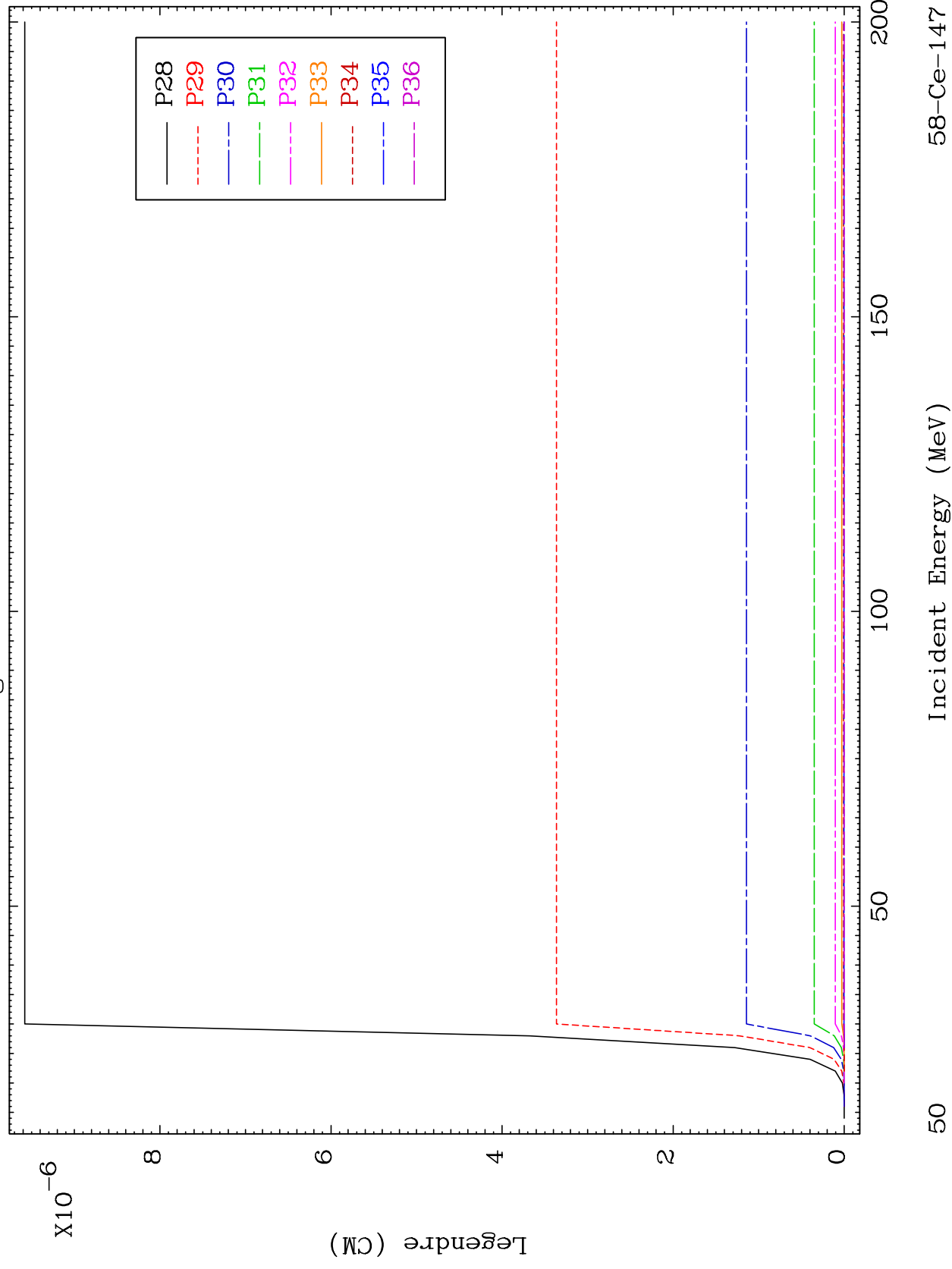
47



MAT 5858

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

58-Ce-147

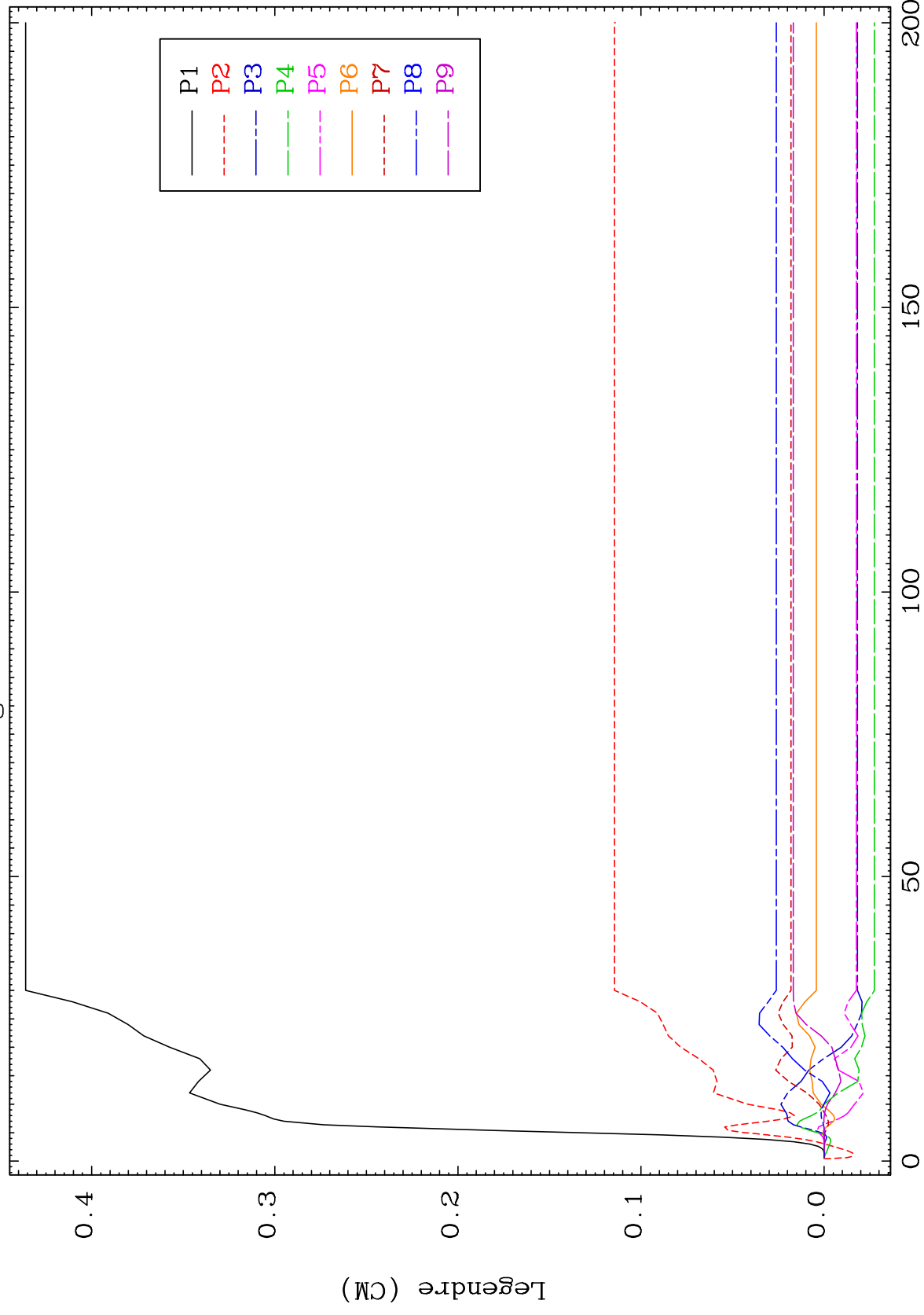


58-Ce-147

MAT 5858

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

58-Ce-147



58-Ce-147

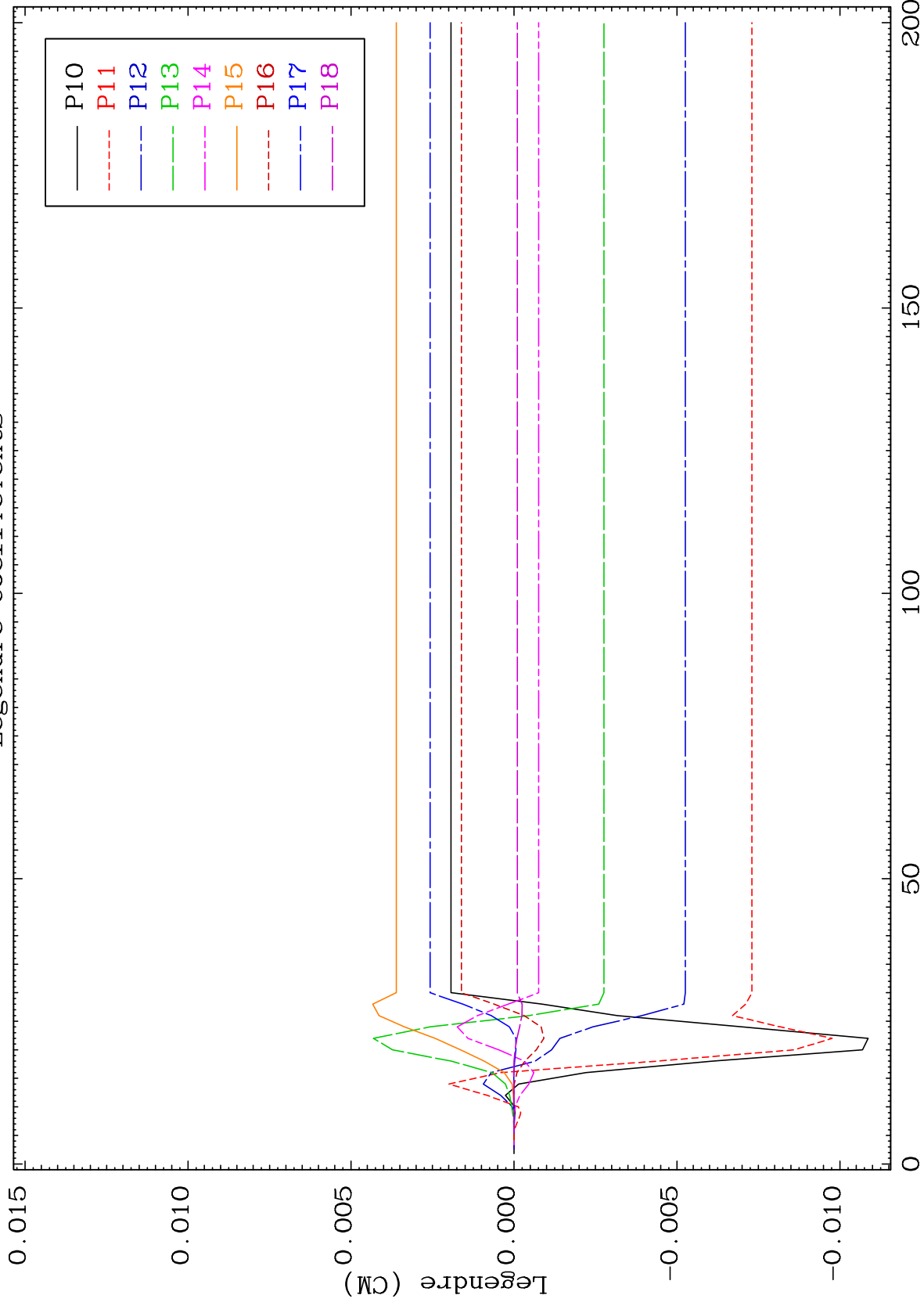
Incident Energy (MeV)

51

MAT 5858

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

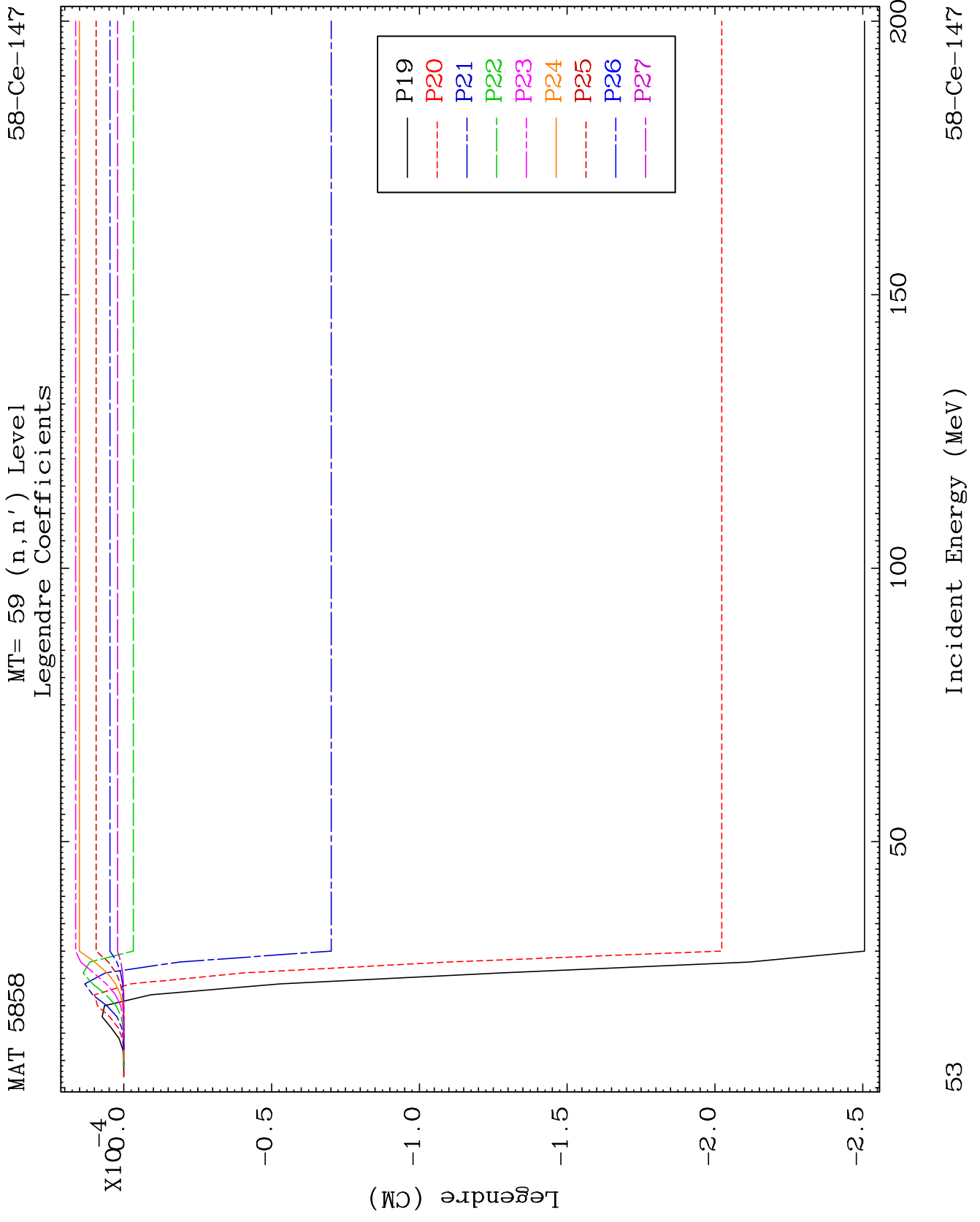
58-Ce-147



52

Incident Energy (MeV)

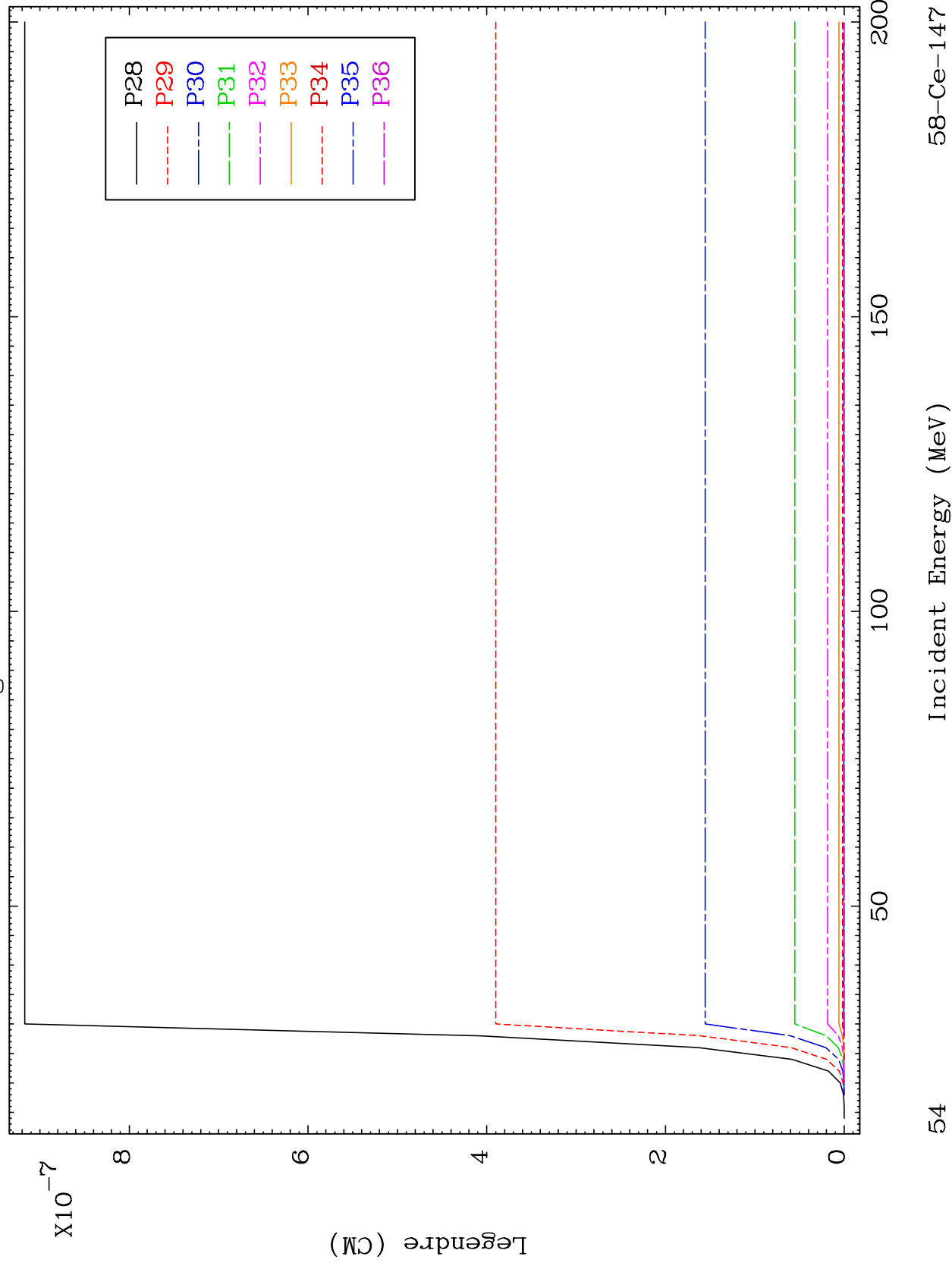
58-Ce-147



MAT 5858

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

58-Ce-147



54

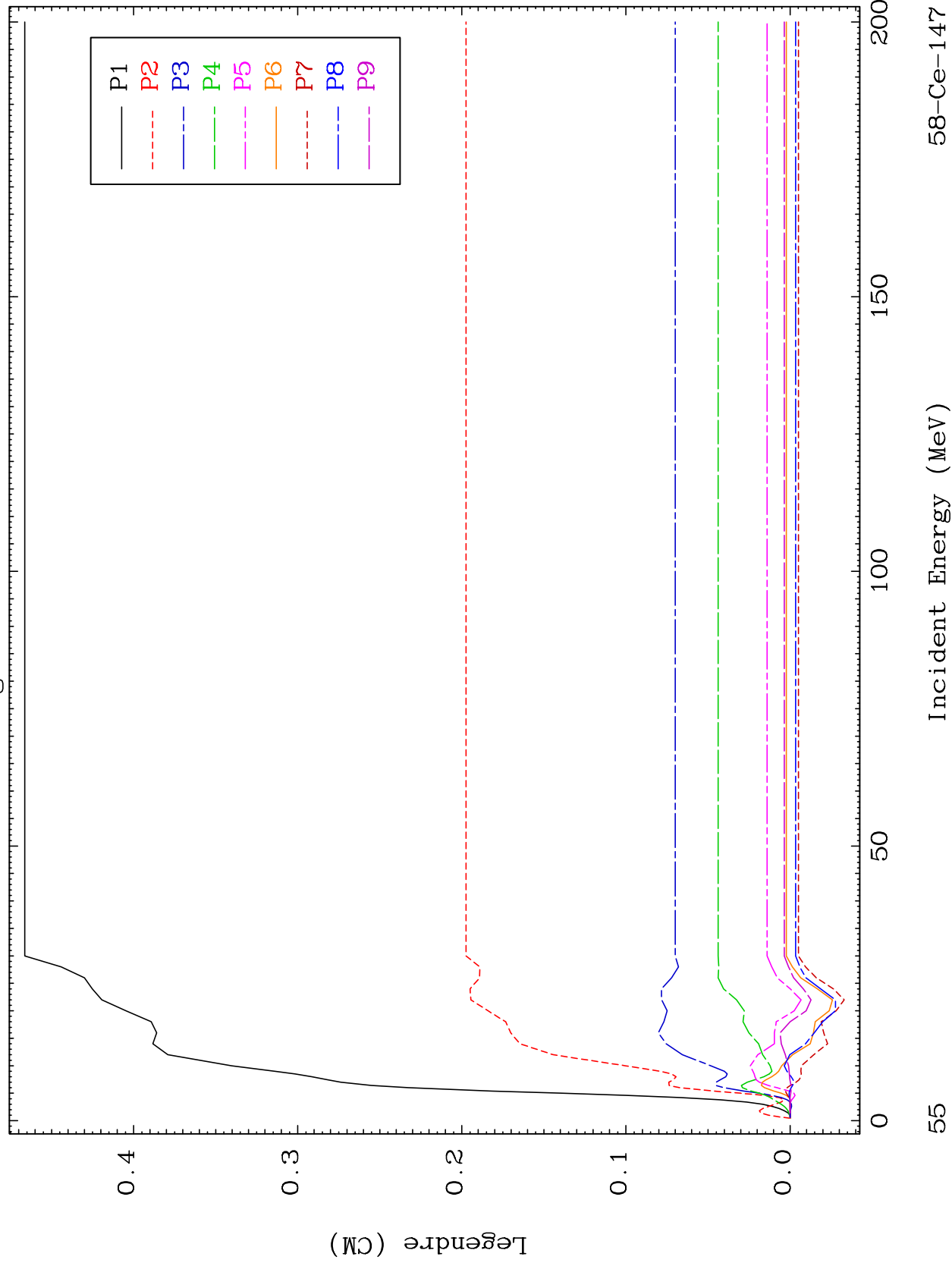
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



58-Ce-147

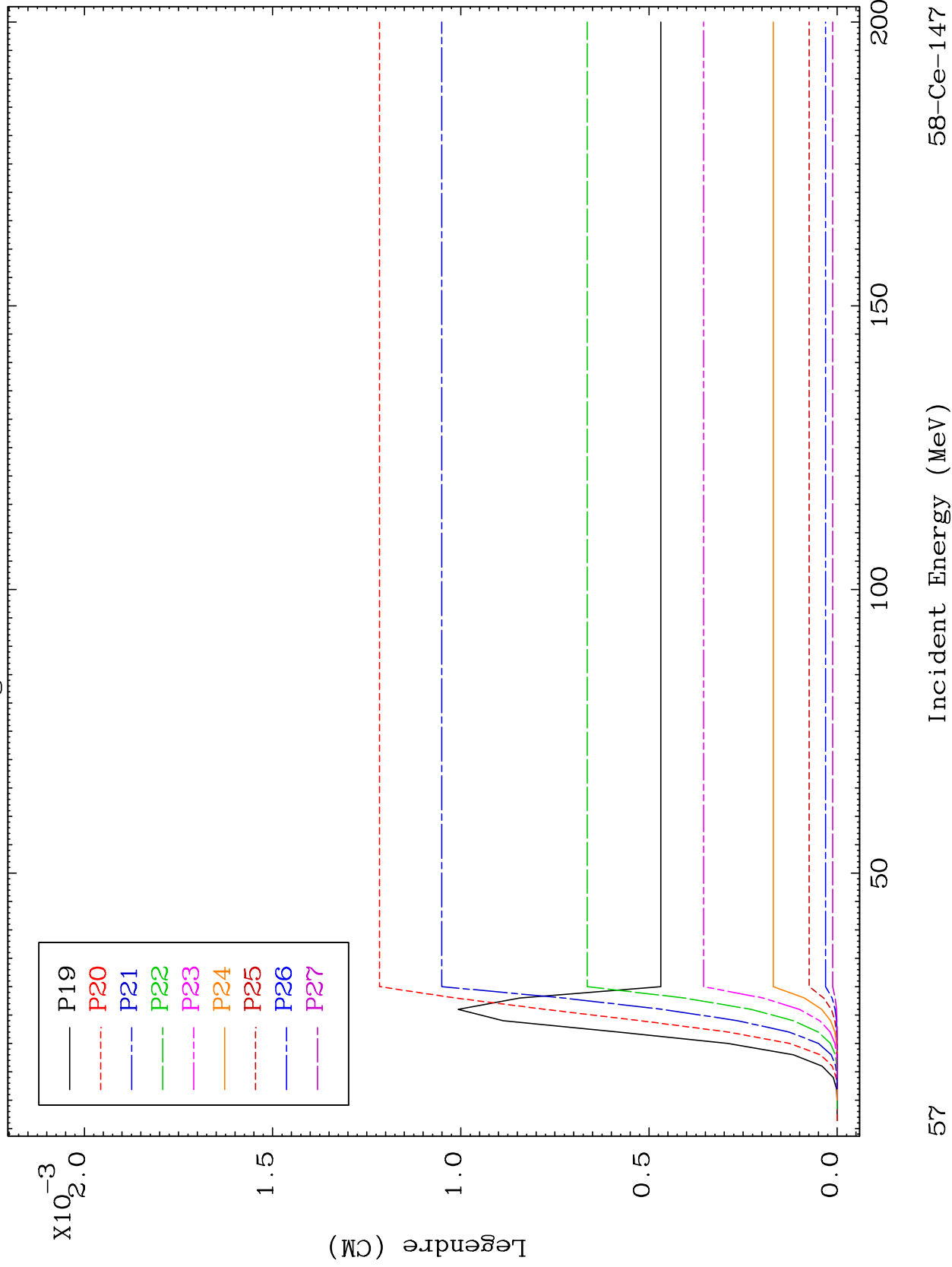
Incident Energy (MeV)

55

MAT 5858

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

58-Ce-147



57

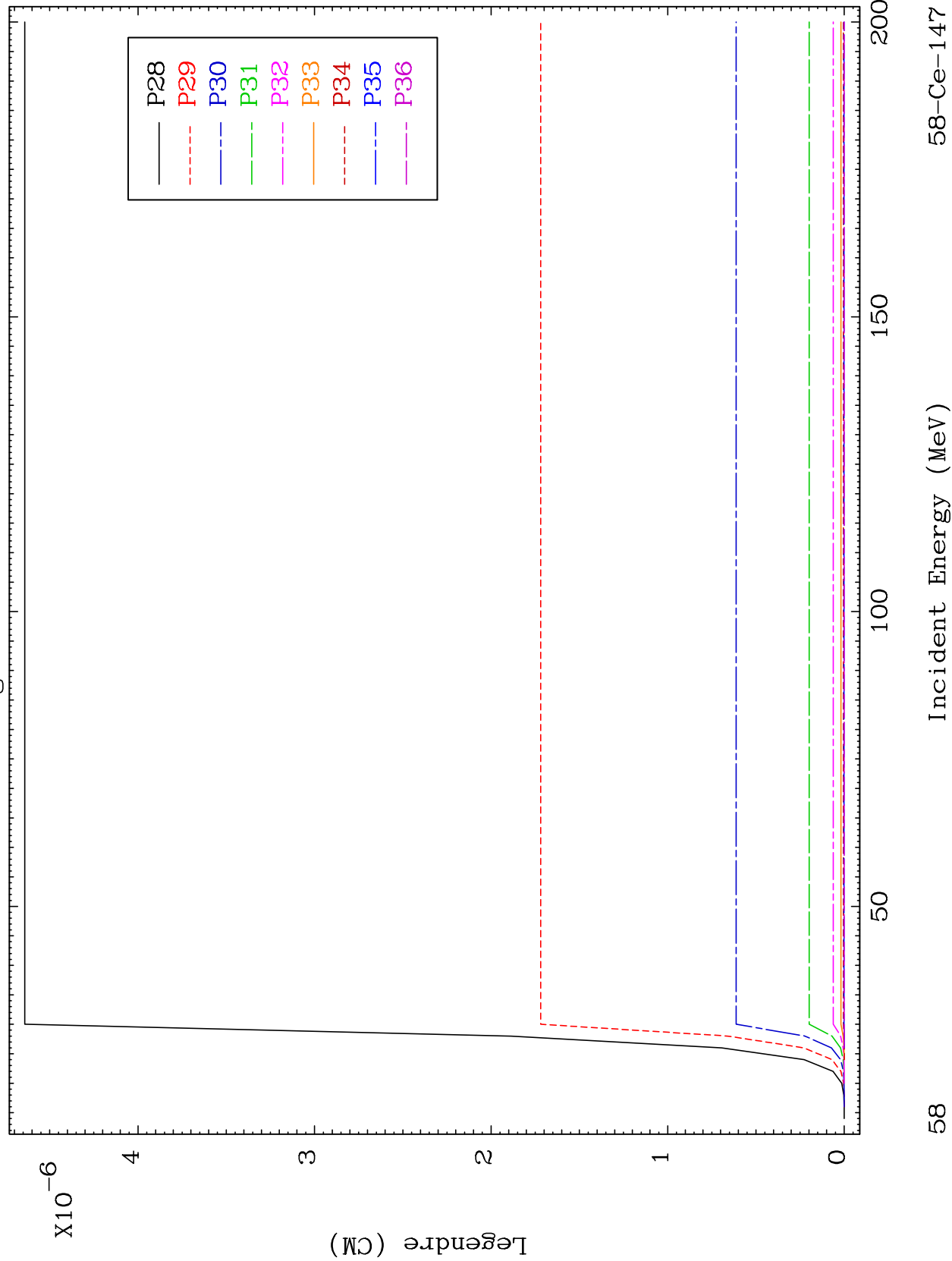
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147

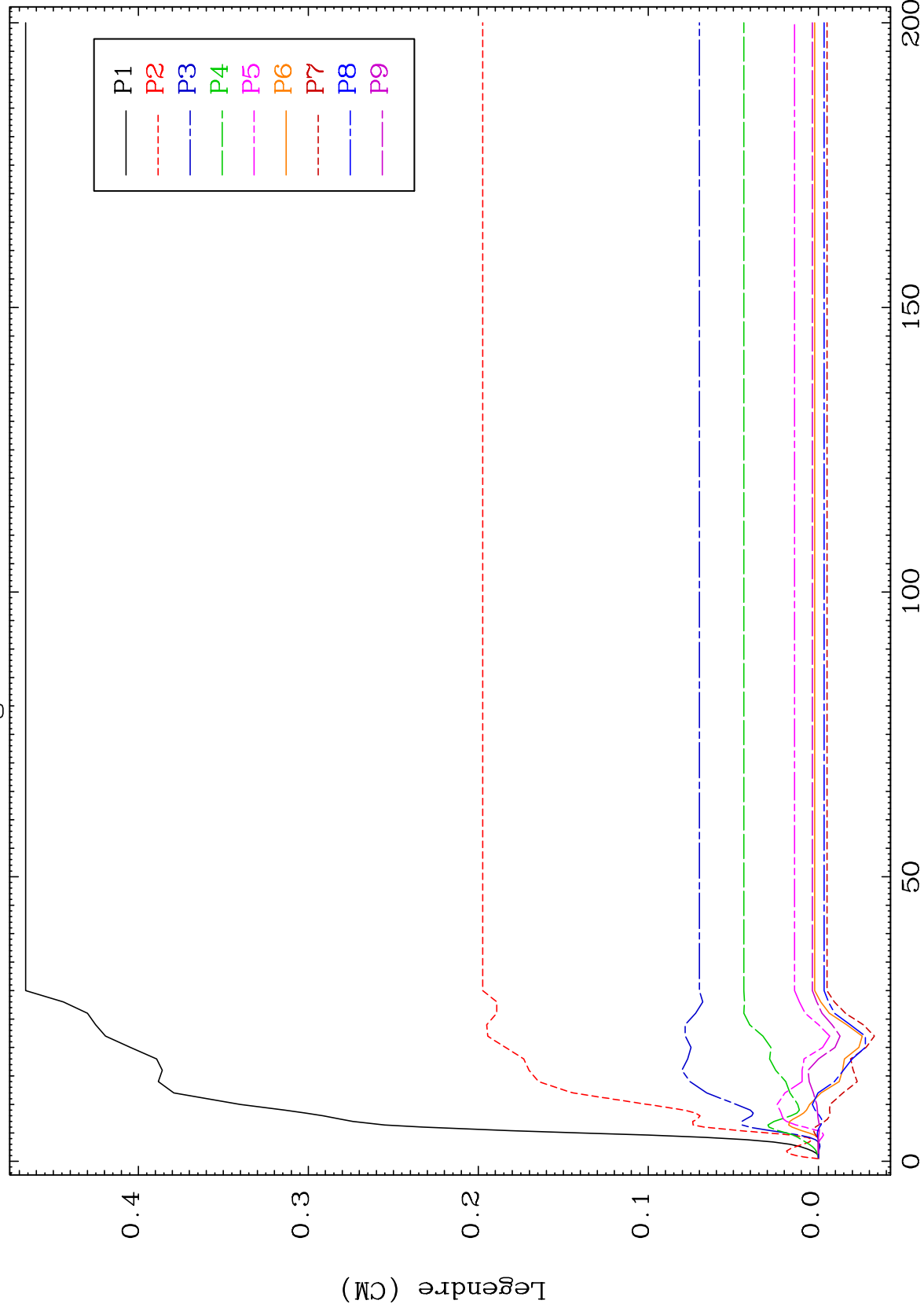


58-Ce-147

MAT 5858

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

58-Ce-147



59

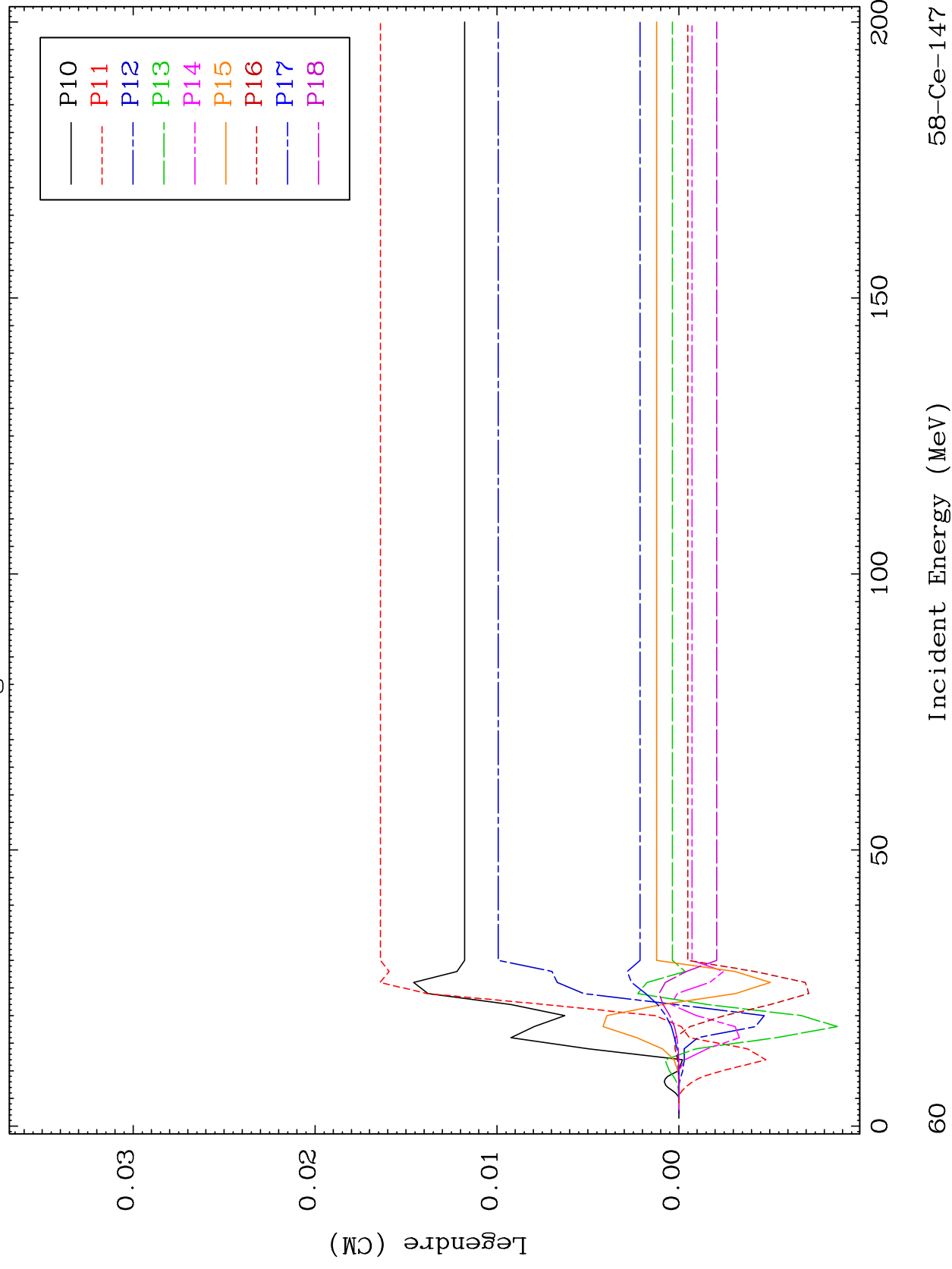
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



58-Ce-147

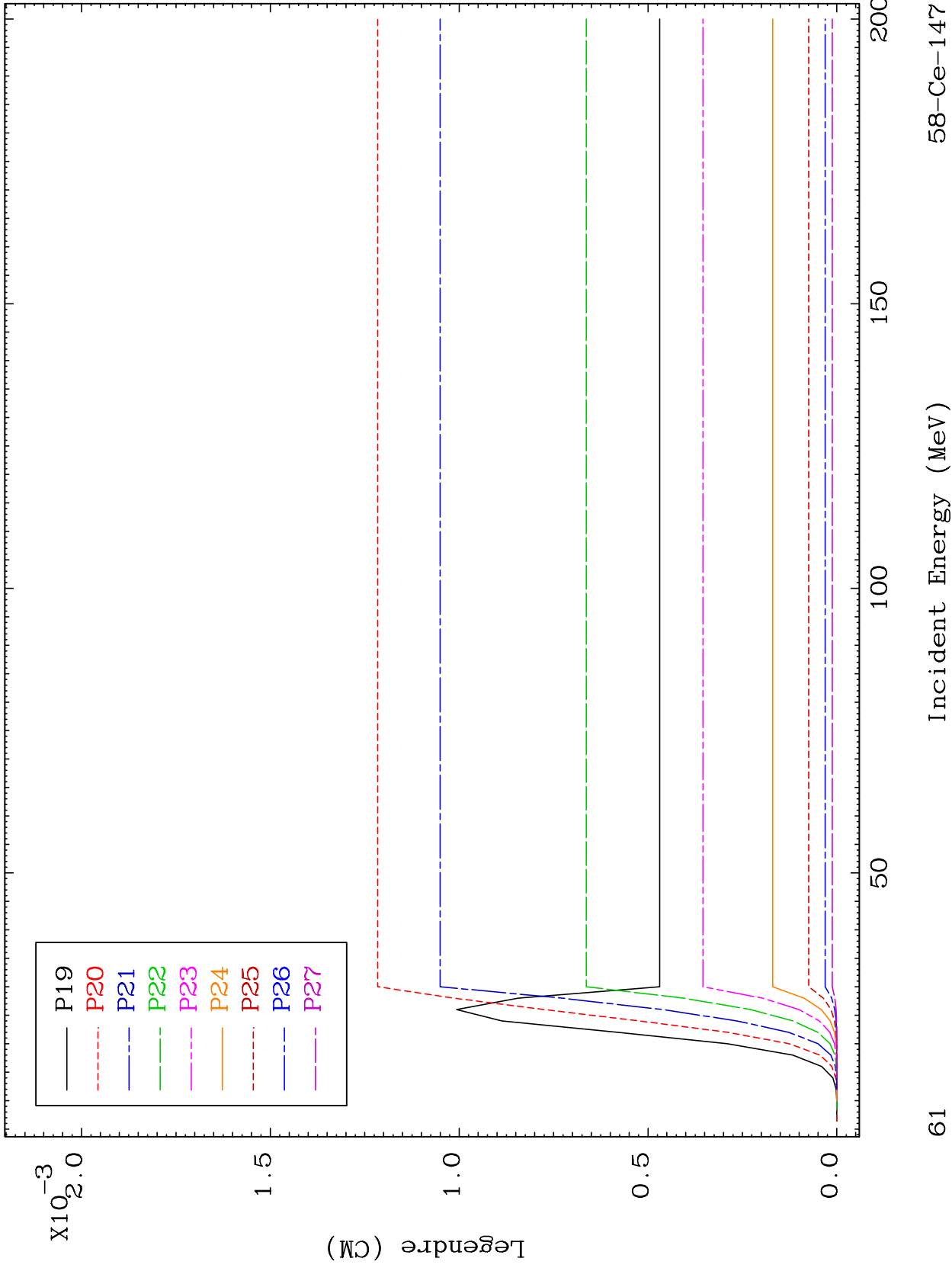
Incident Energy (MeV)

60

MAT 5858

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

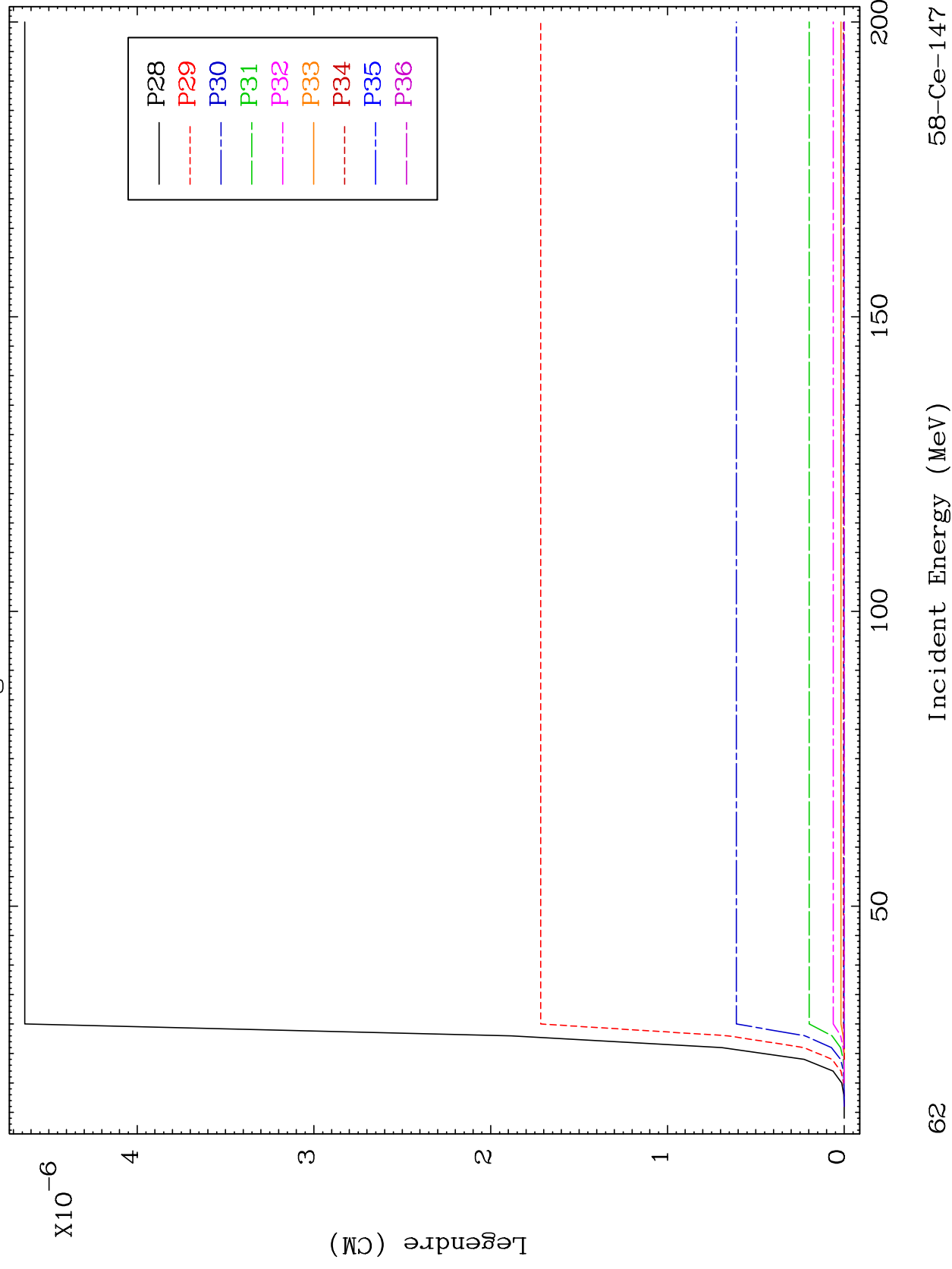
58-Ce-147

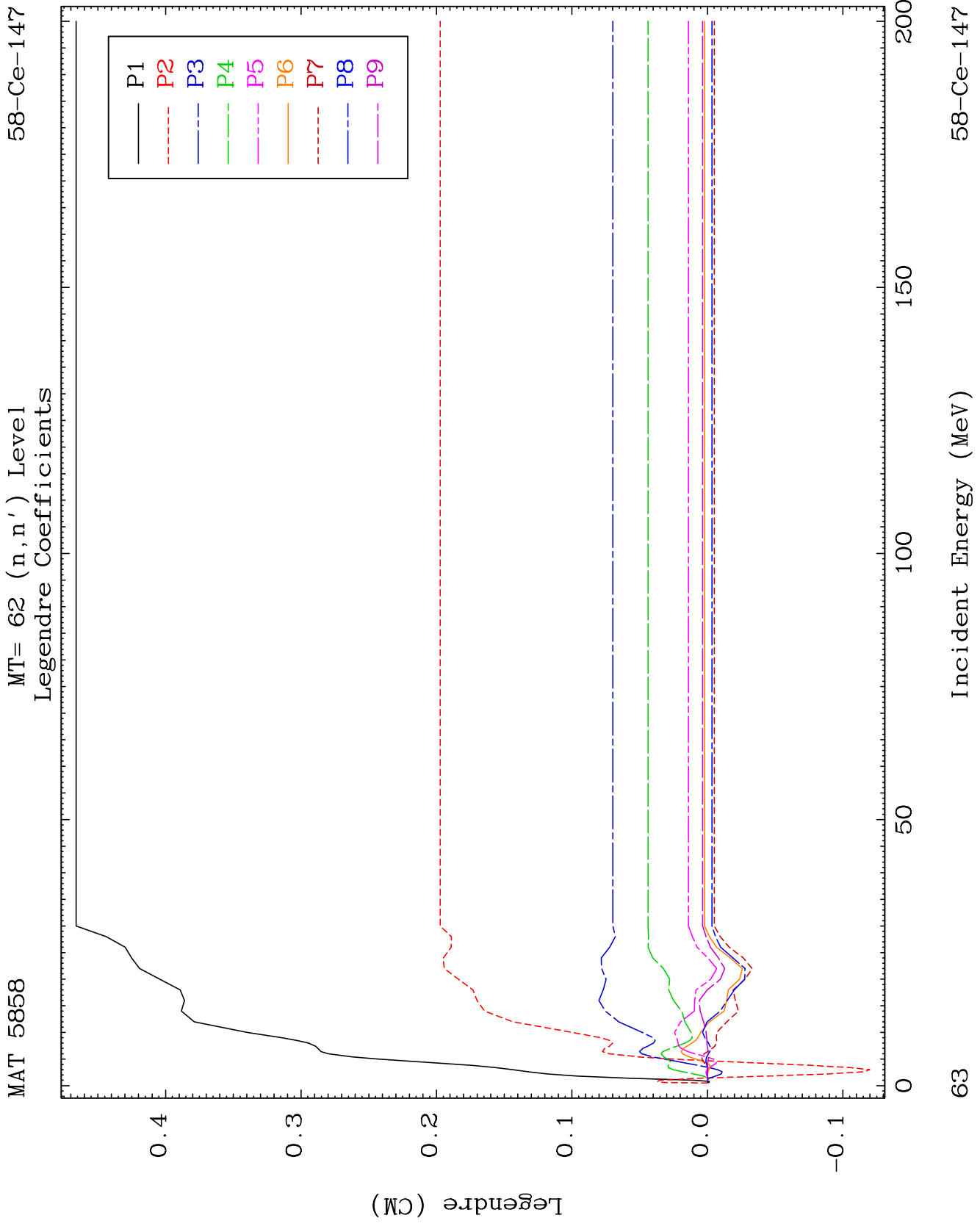


MAT 5858

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

58-Ce-147

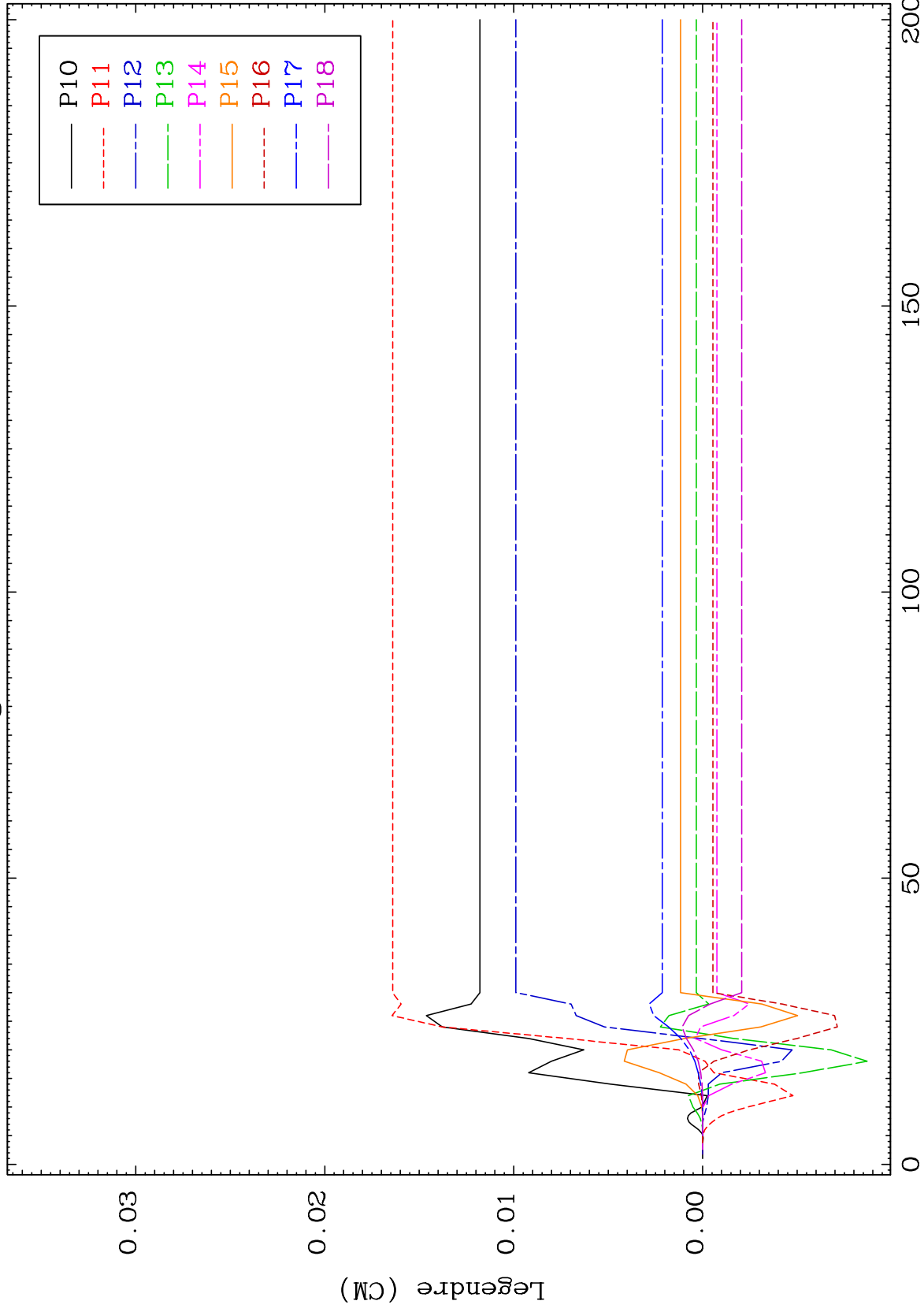




MAT 5858

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

58-Ce-147



64

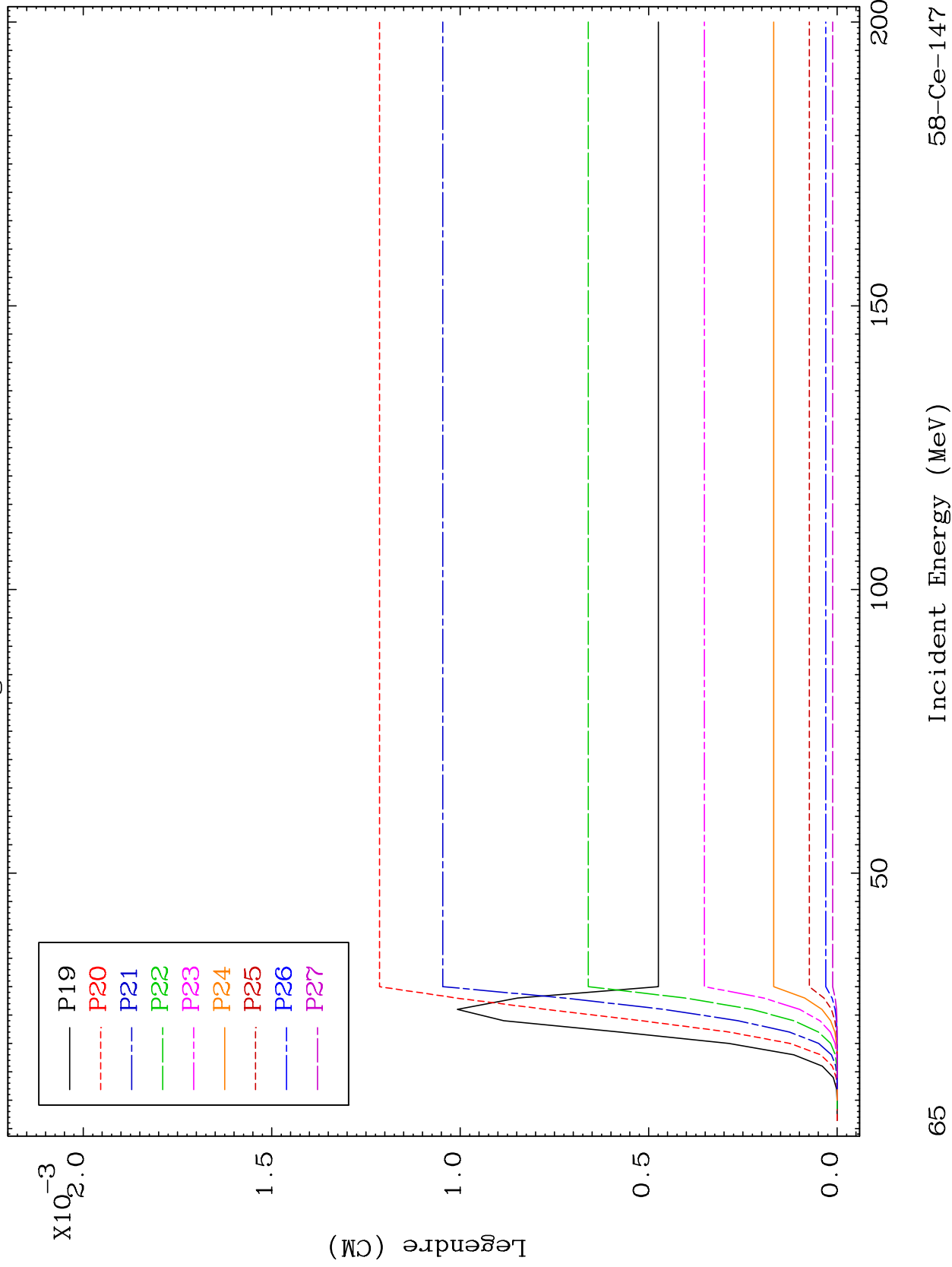
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



65

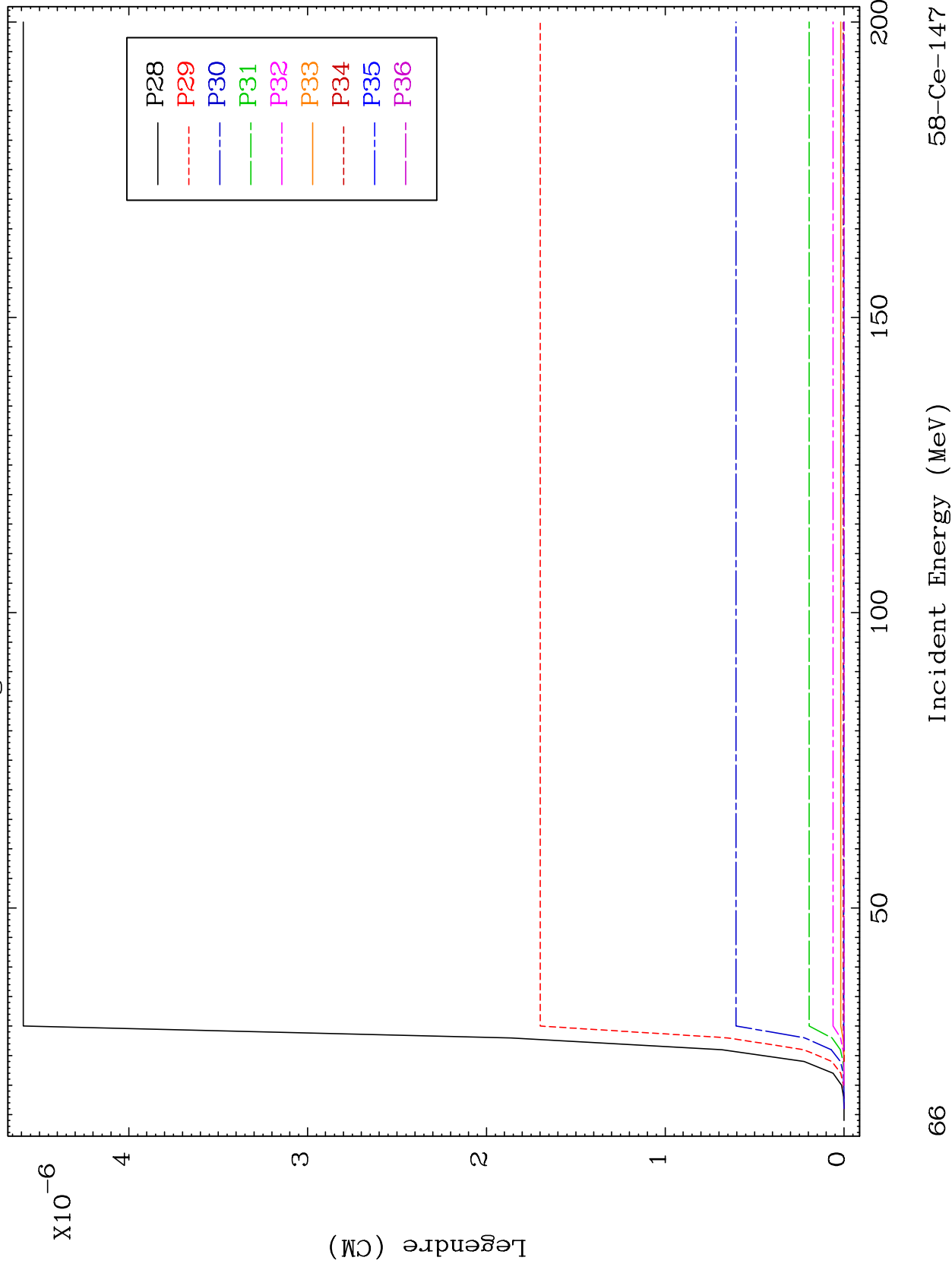
Incident Energy (MeV)

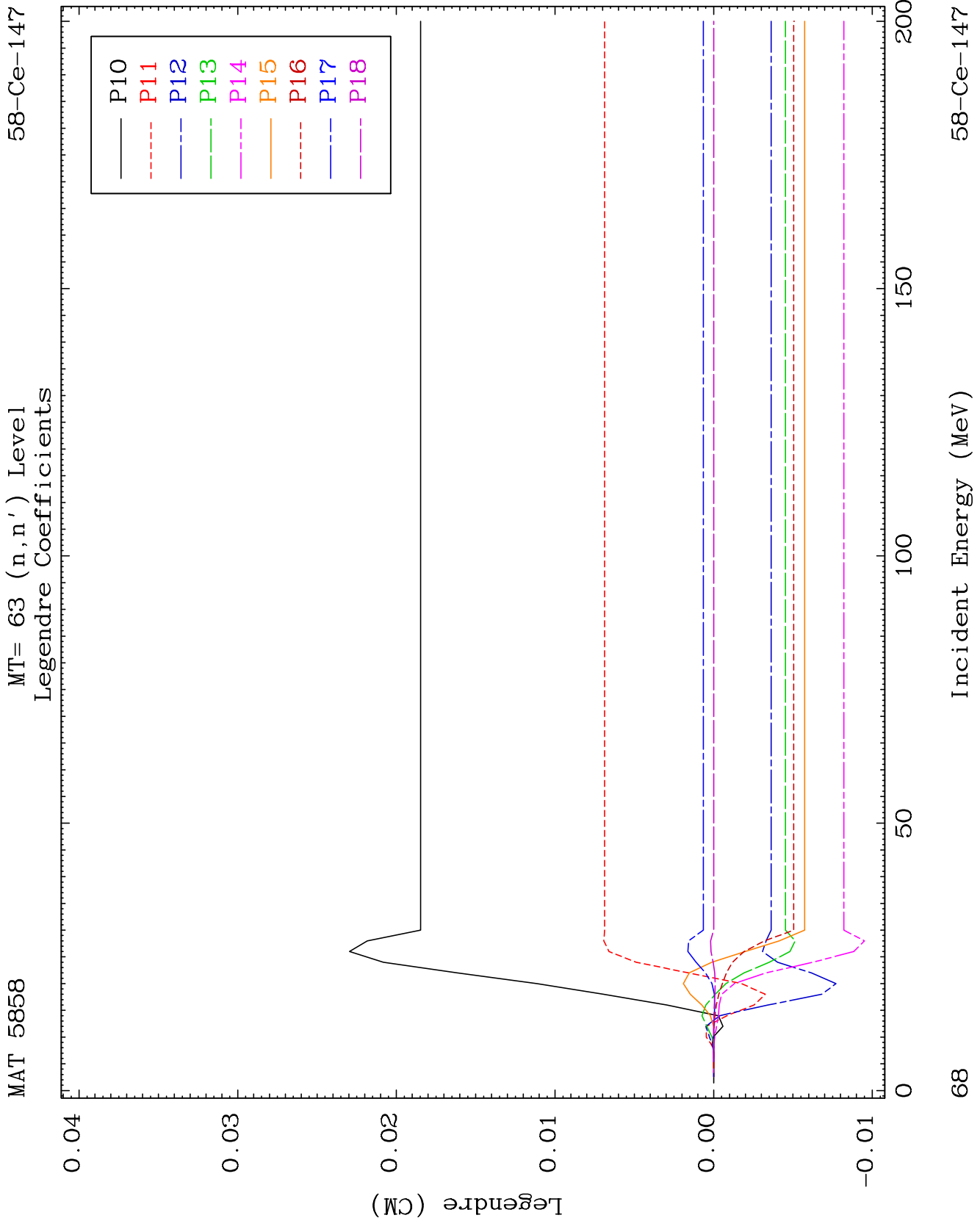
58-Ce-147

MAT 5858

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

58-Ce-147

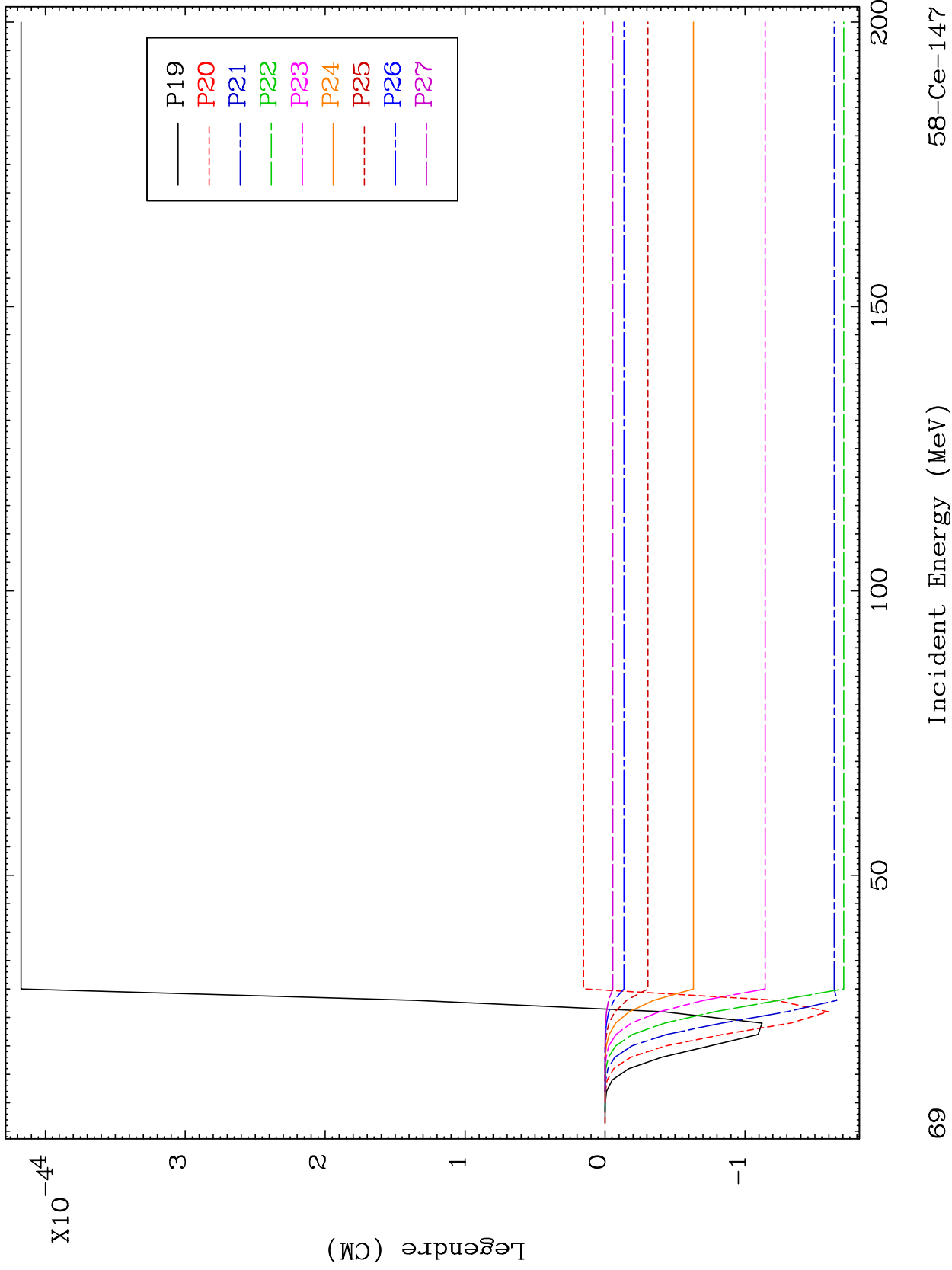


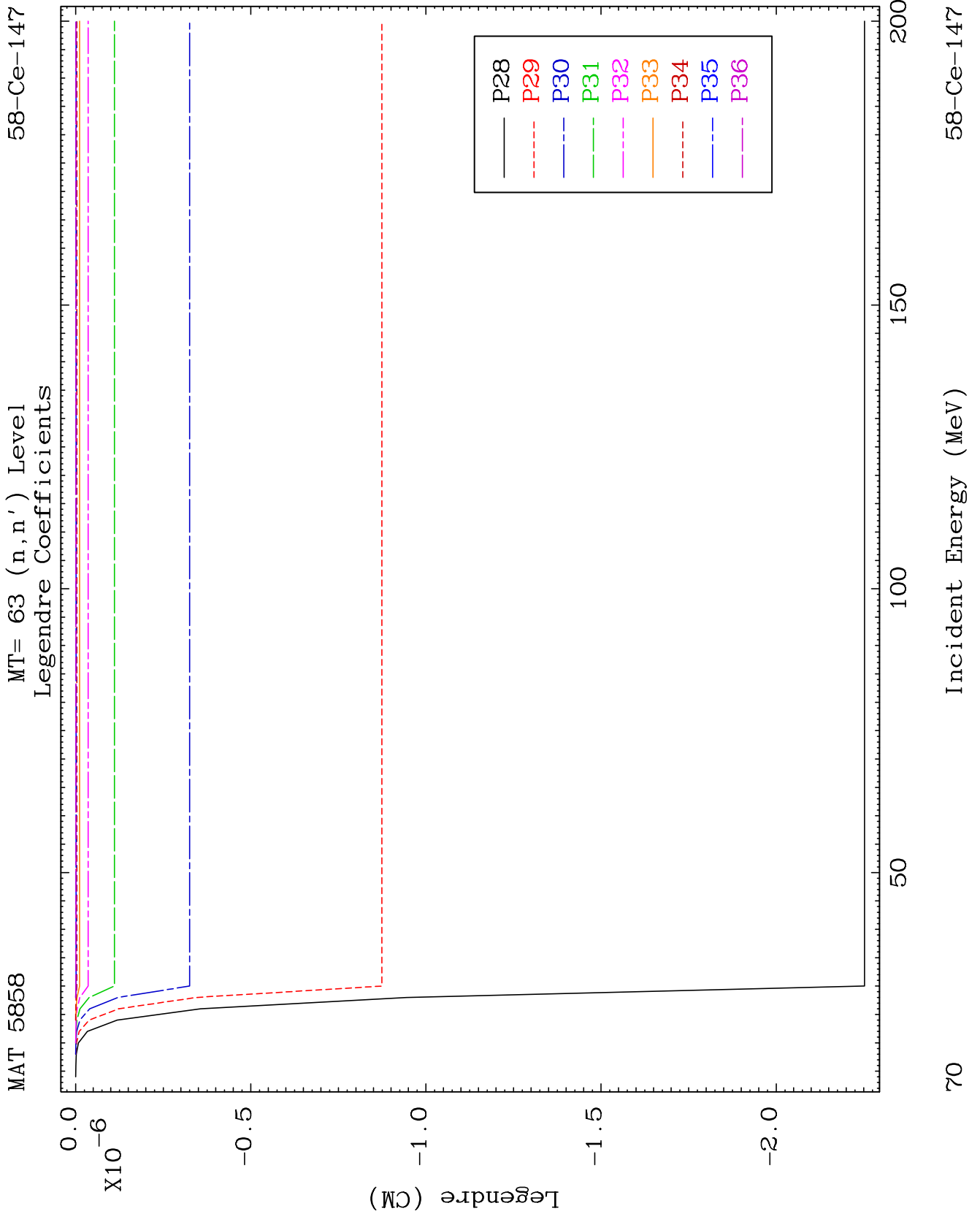


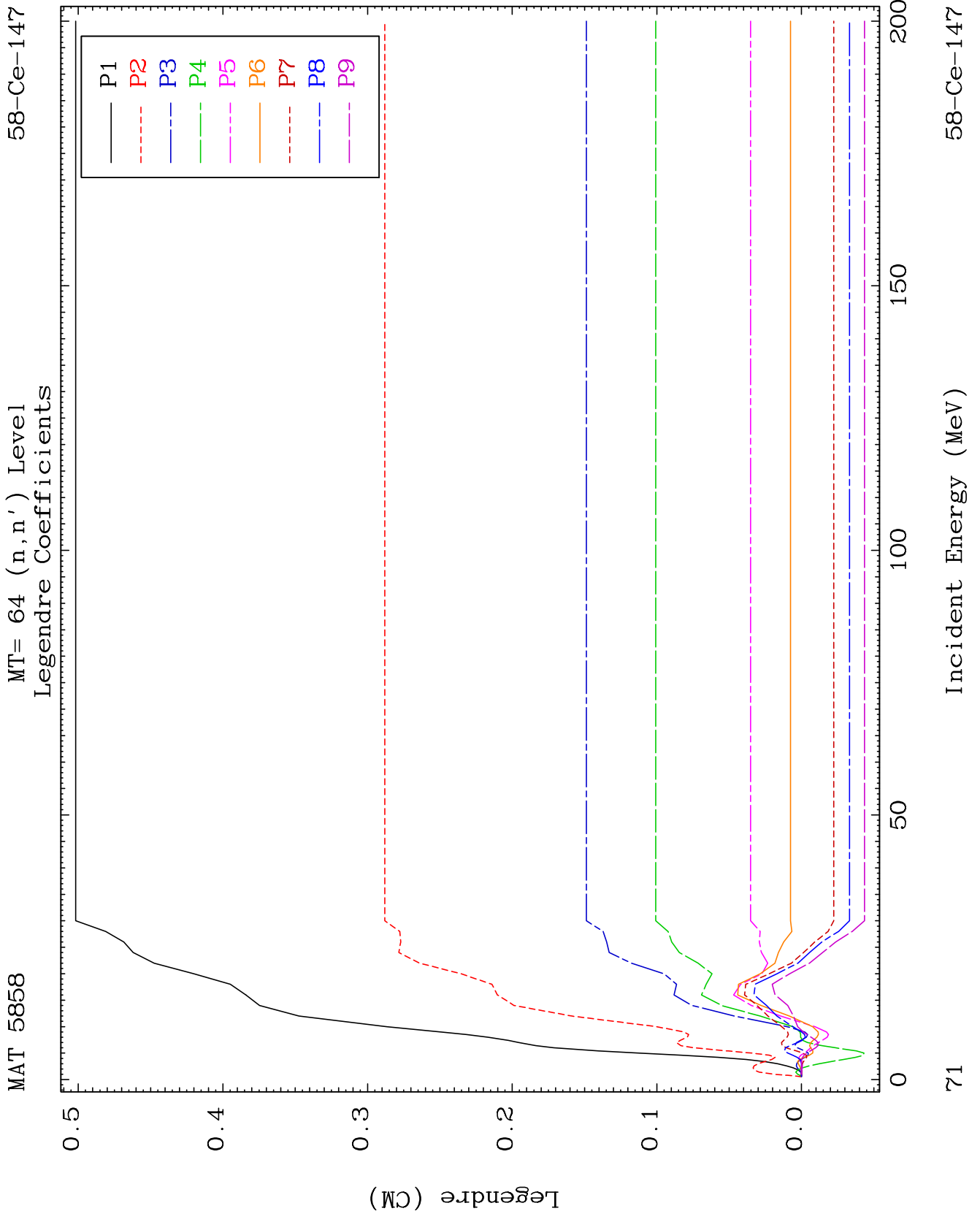
58-Ce-147

Incident Energy (MeV)

68



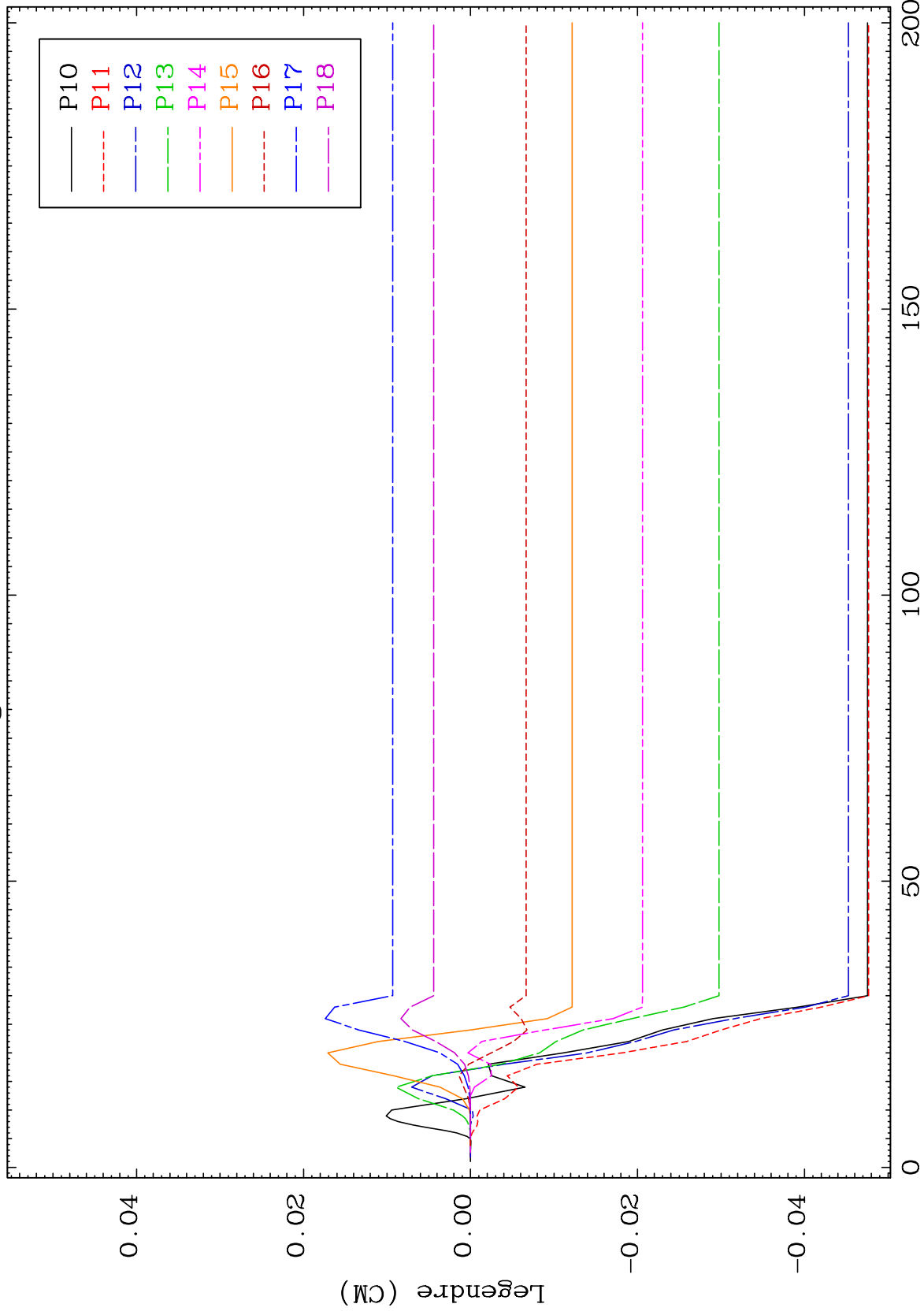




MAT 5858

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

58-Ce-147



72

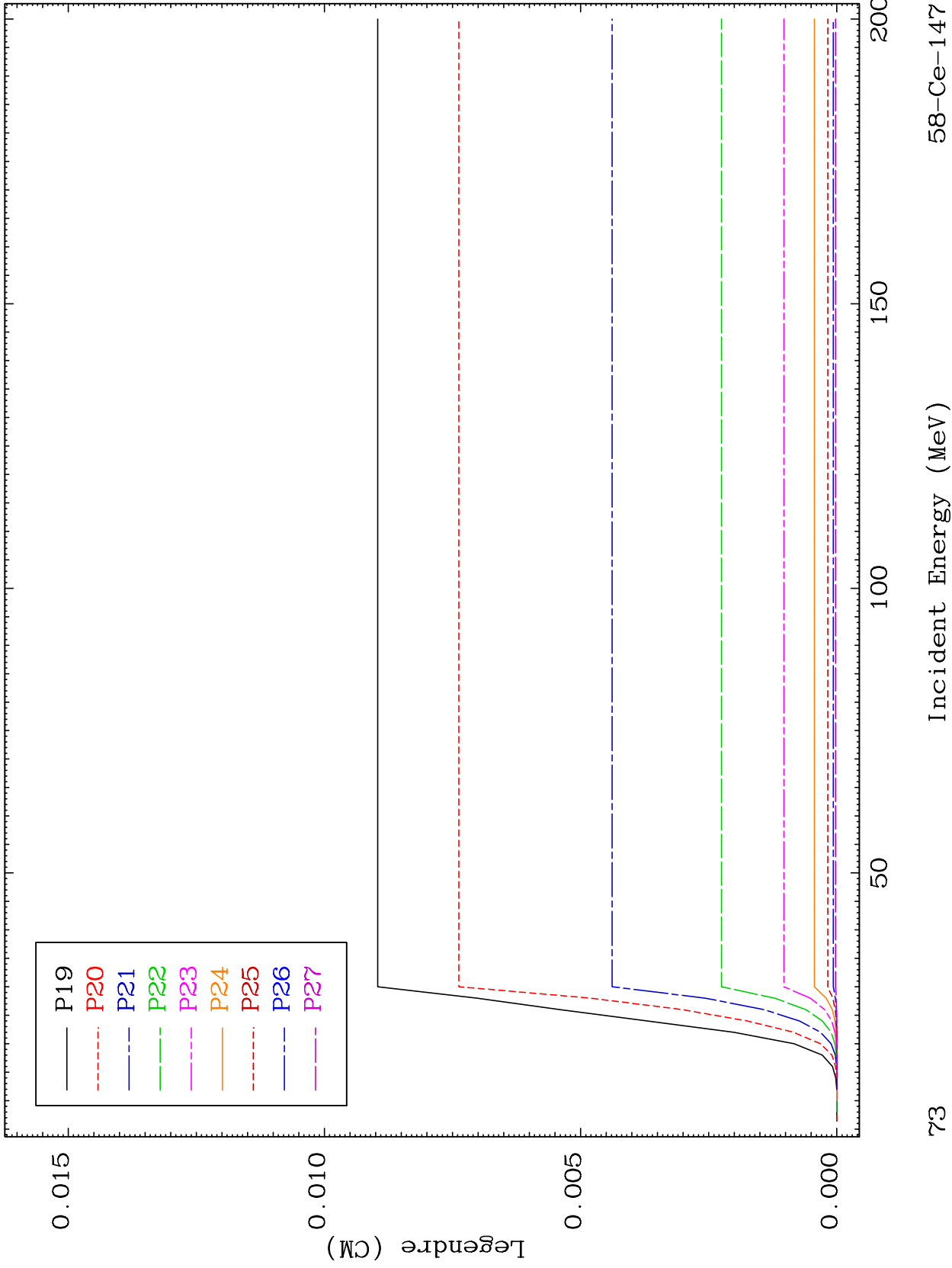
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



73

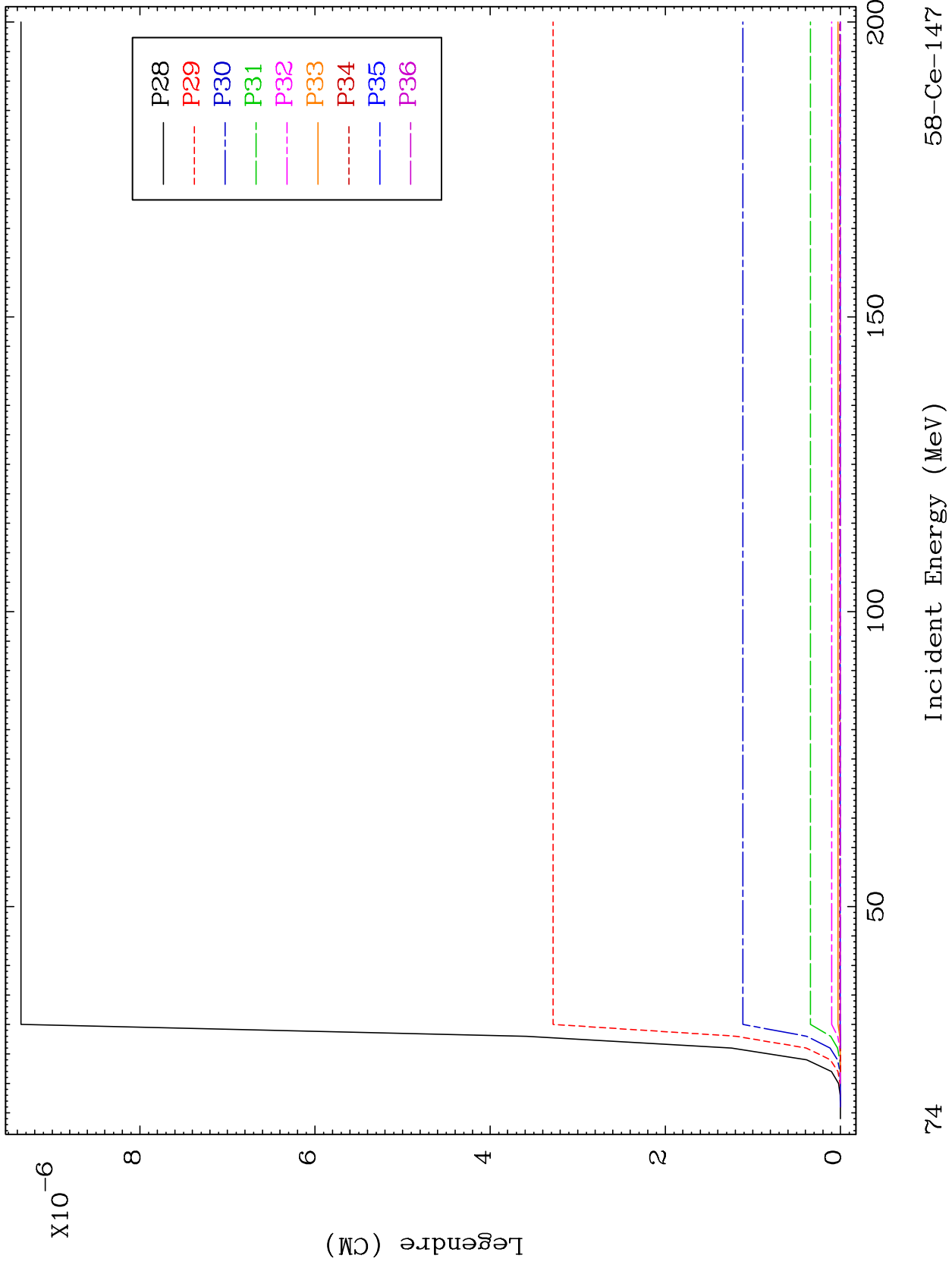
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

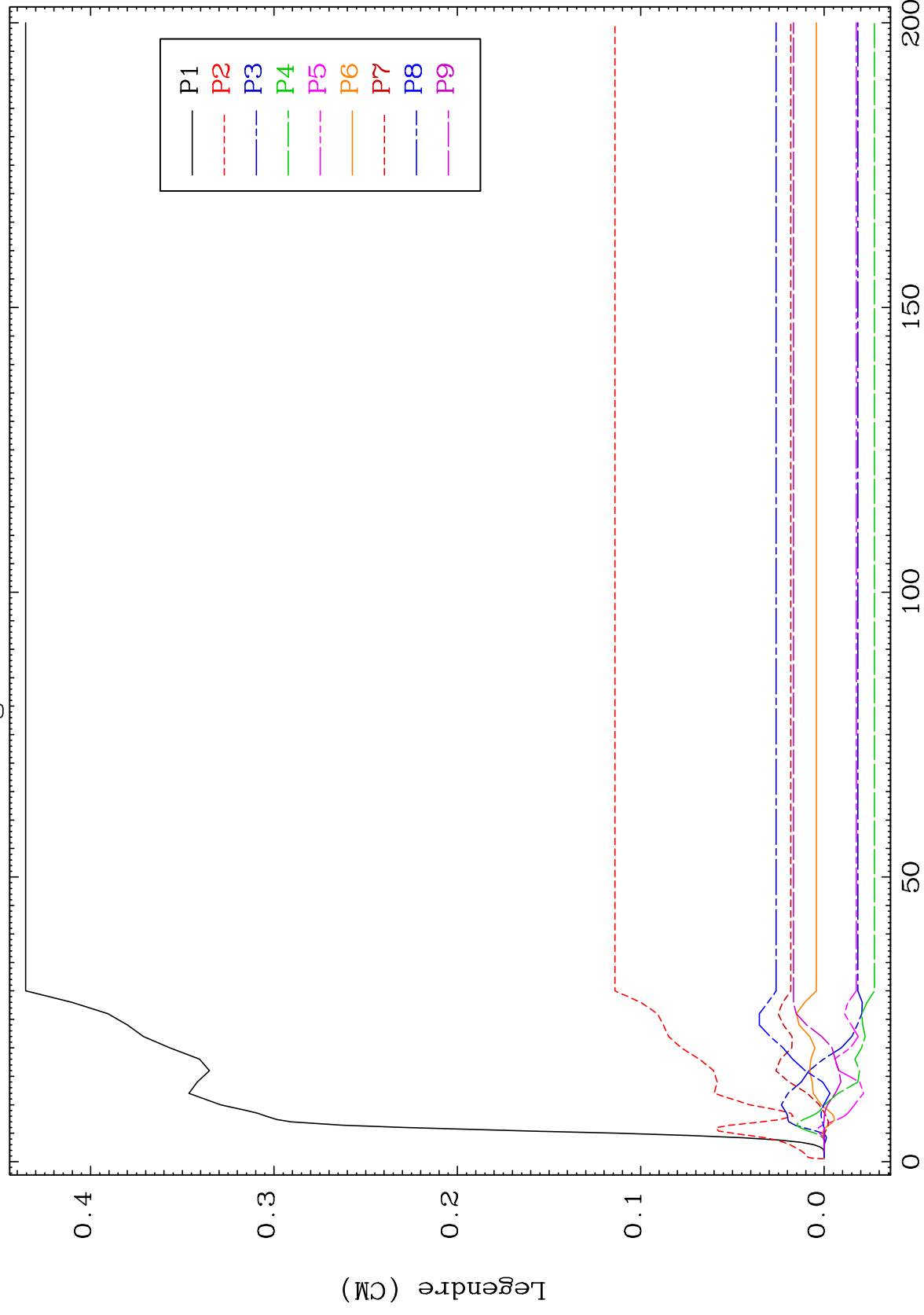
58-Ce-147



MAT 5858

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

58-Ce-147



58-Ce-147

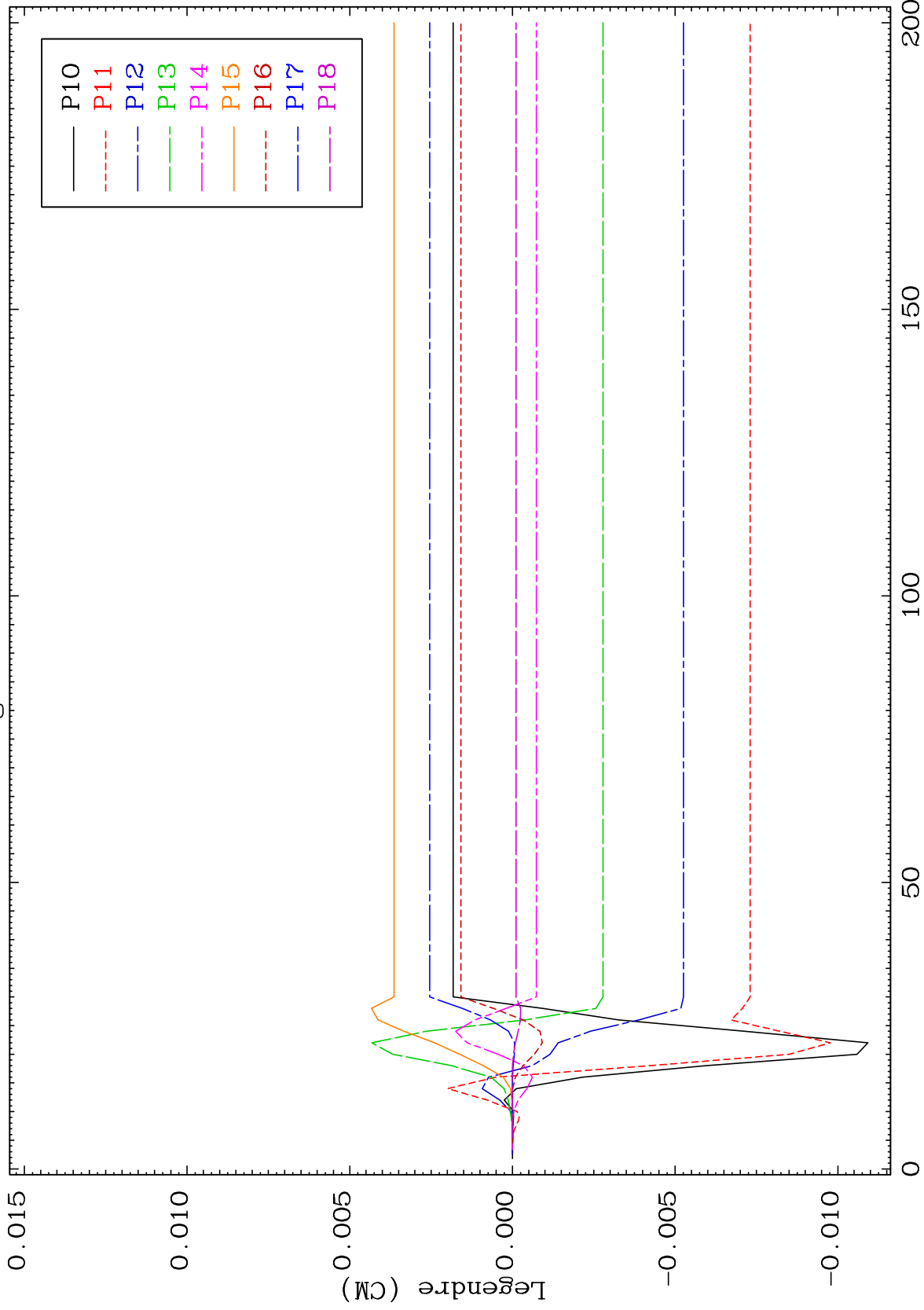
Incident Energy (MeV)

75

MAT 5858

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

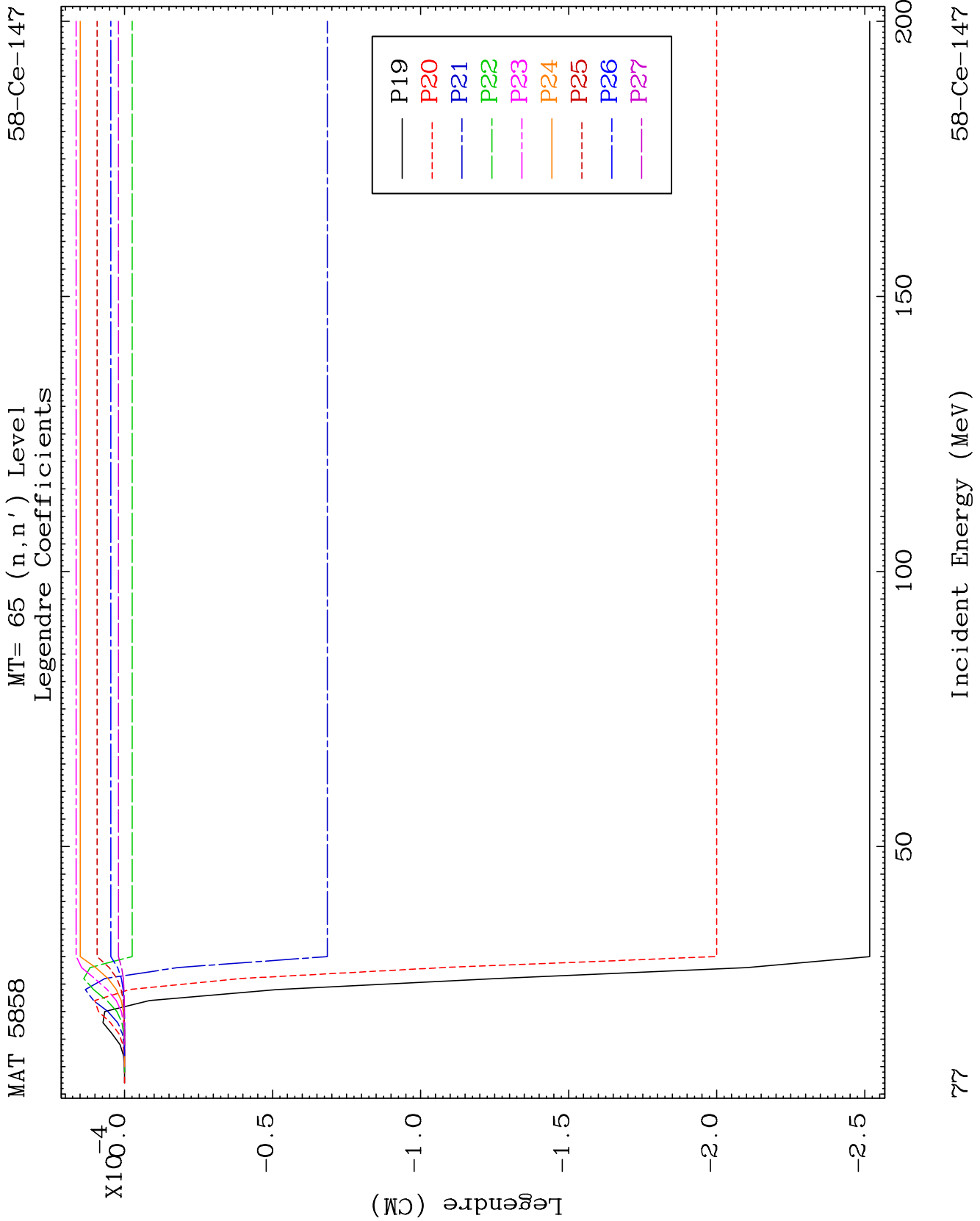
58-Ce-147



76

Incident Energy (MeV)

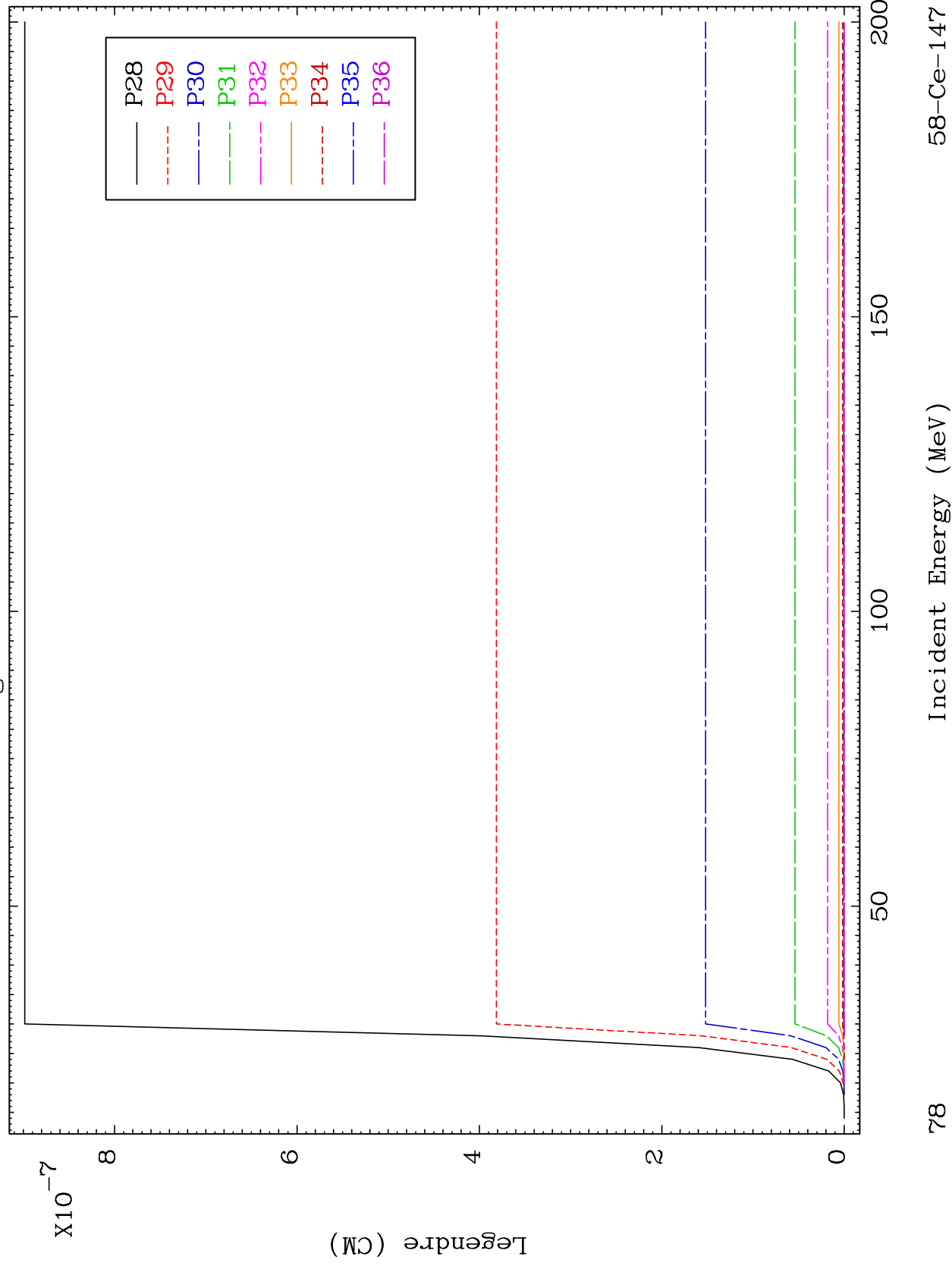
58-Ce-147



MAT 5858

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

58-Ce-147



78

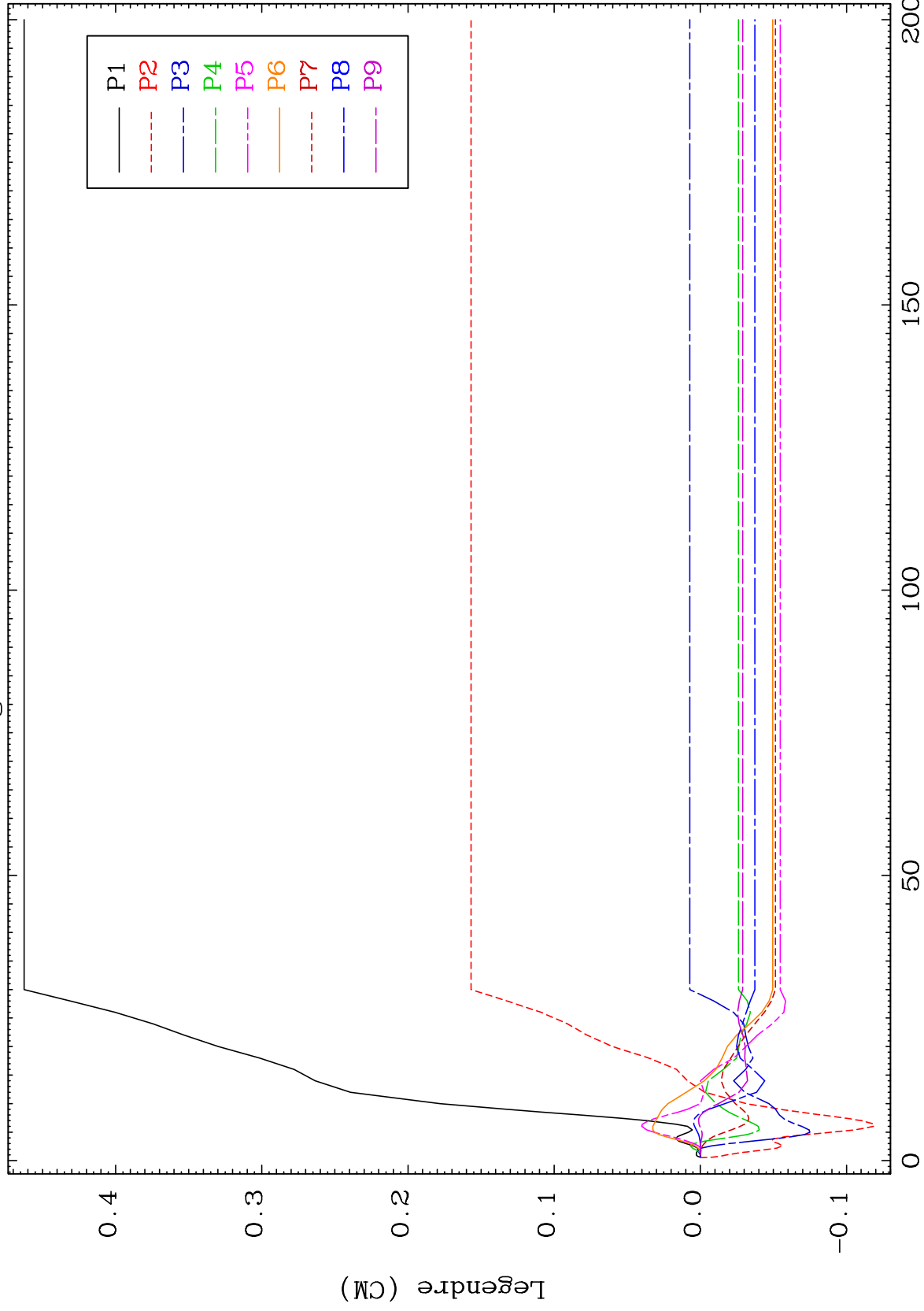
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



79

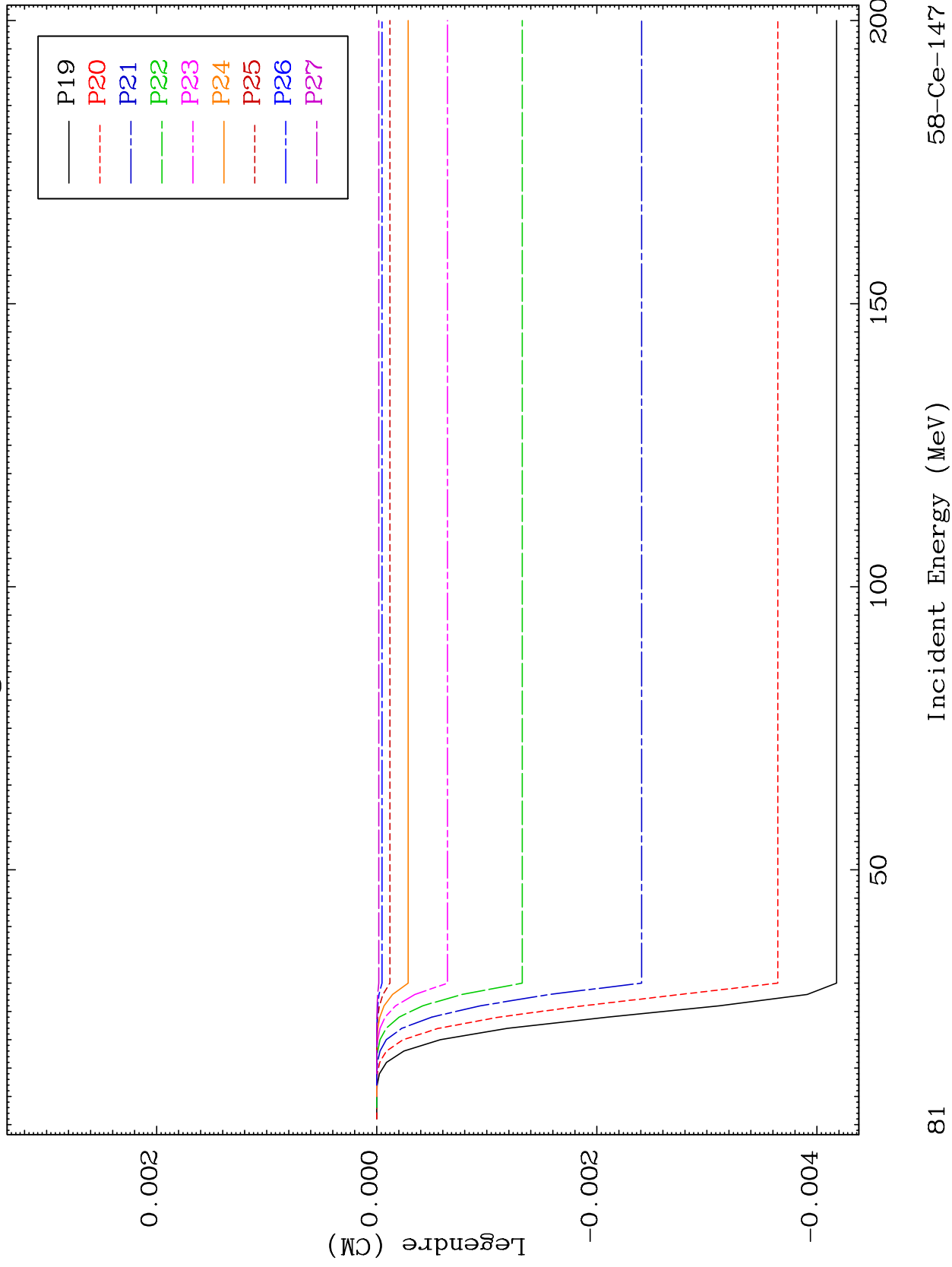
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



81

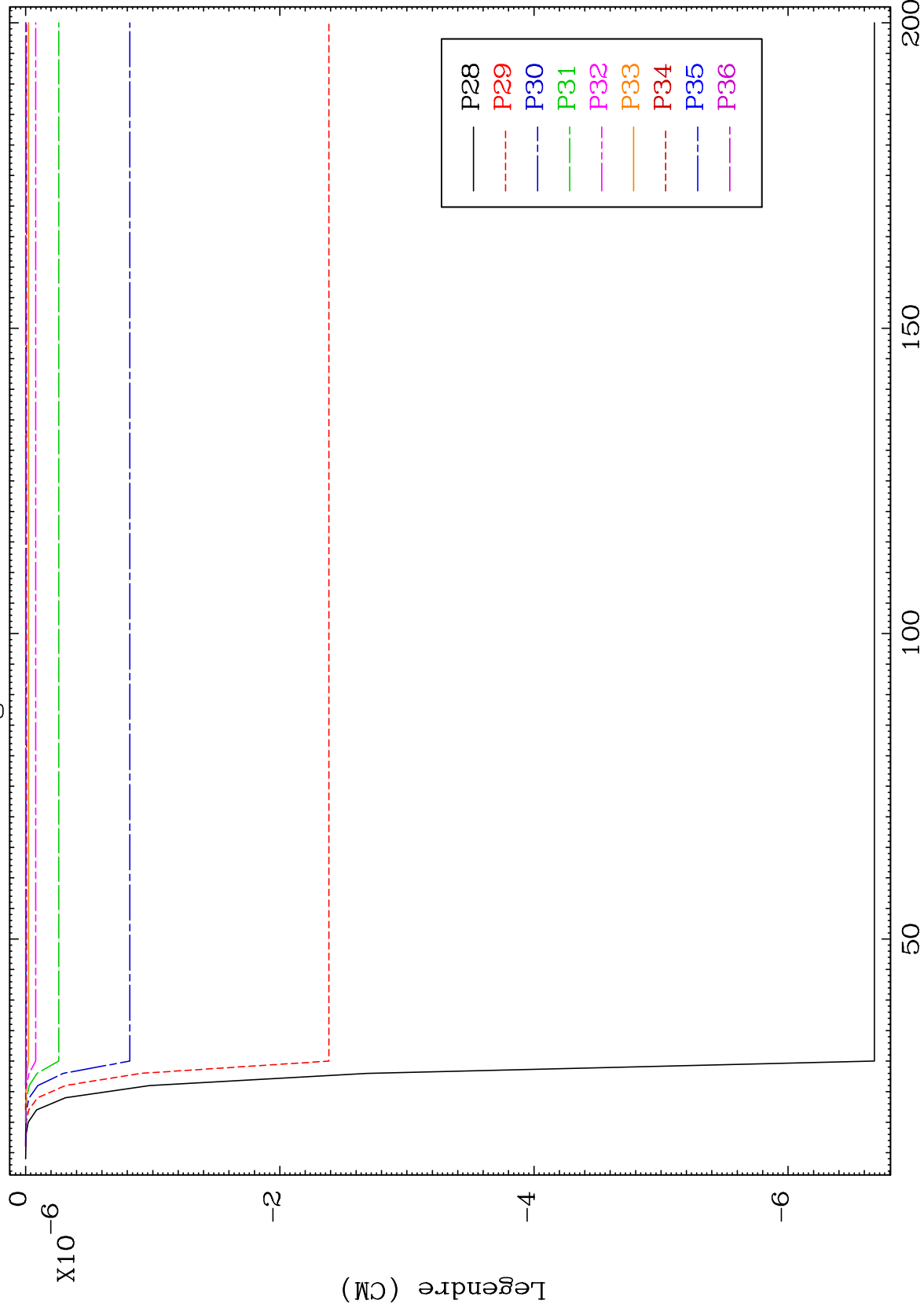
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

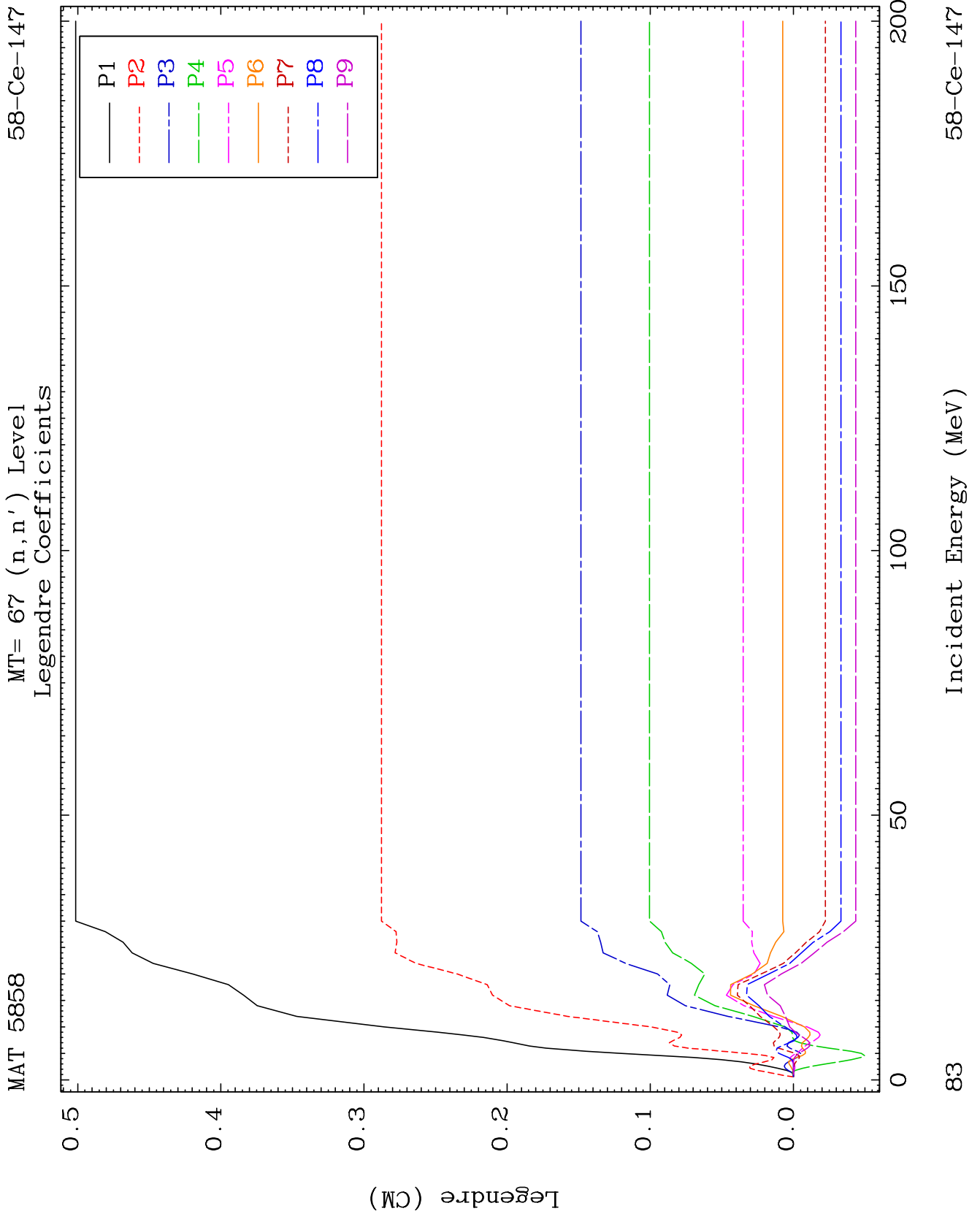
58-Ce-147



82

Incident Energy (MeV)

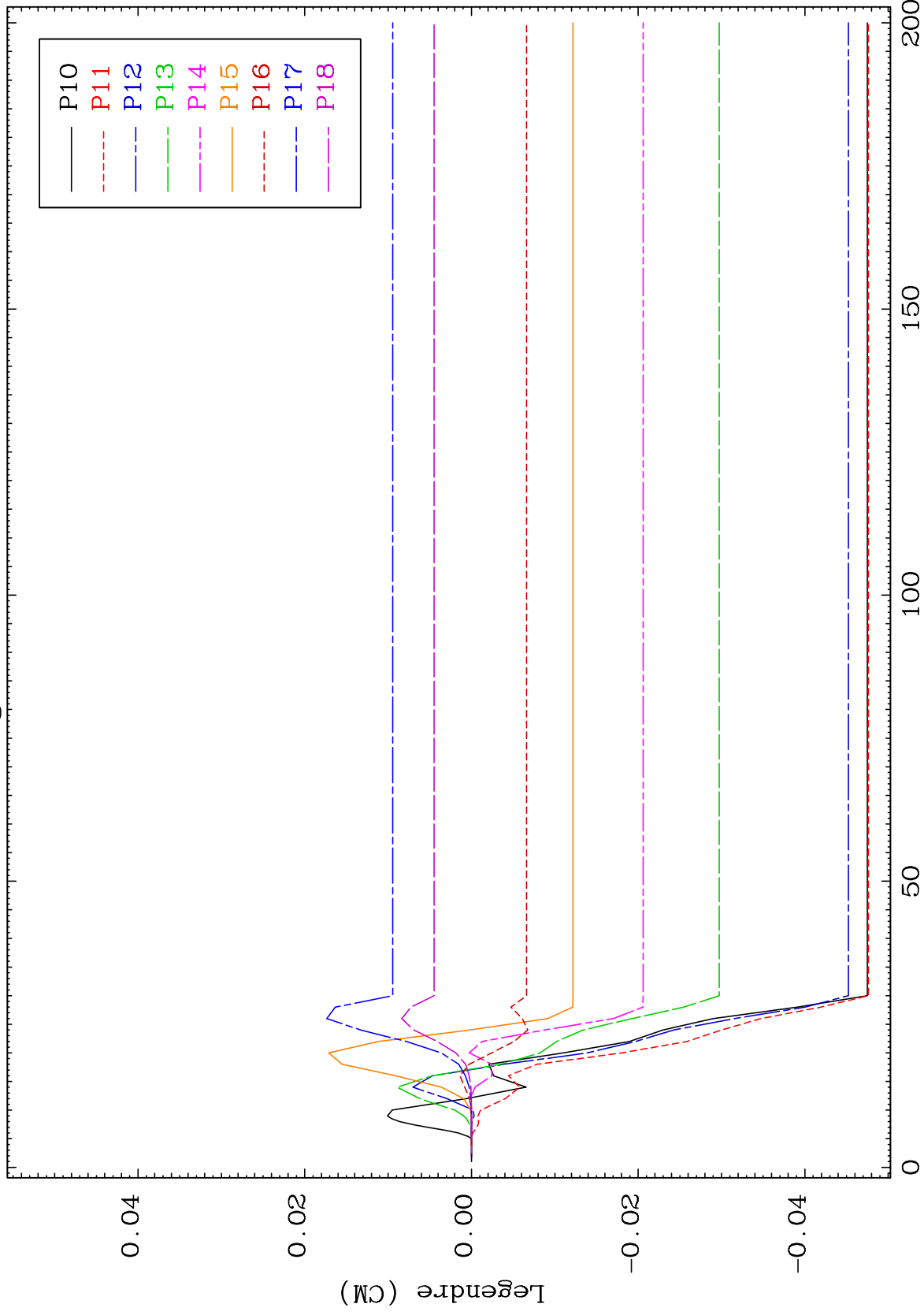
58-Ce-147



MAT 5858

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

58-Ce-147



84

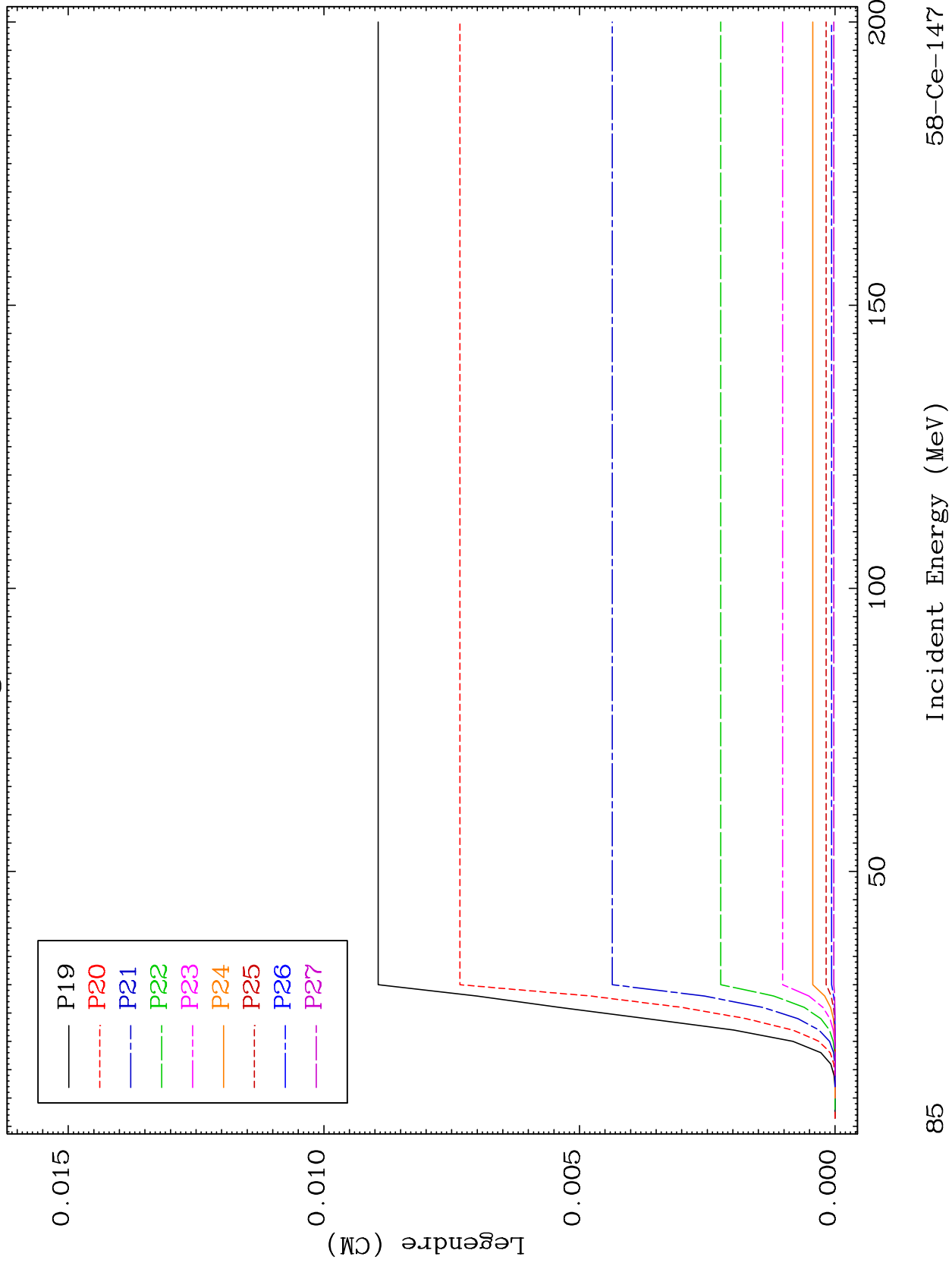
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



85

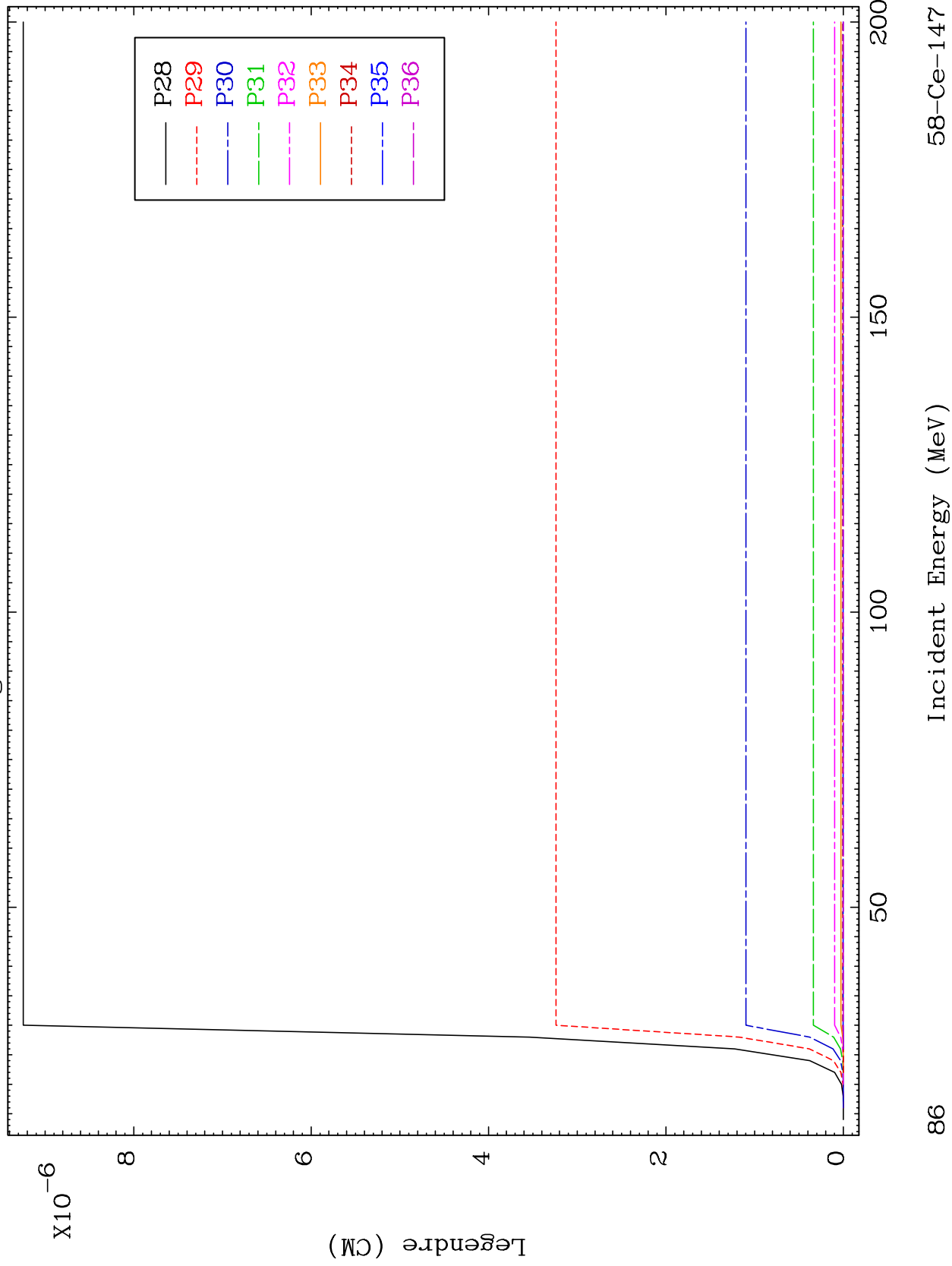
Incident Energy (MeV)

58-Ce-147

MAT 5858

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

58-Ce-147



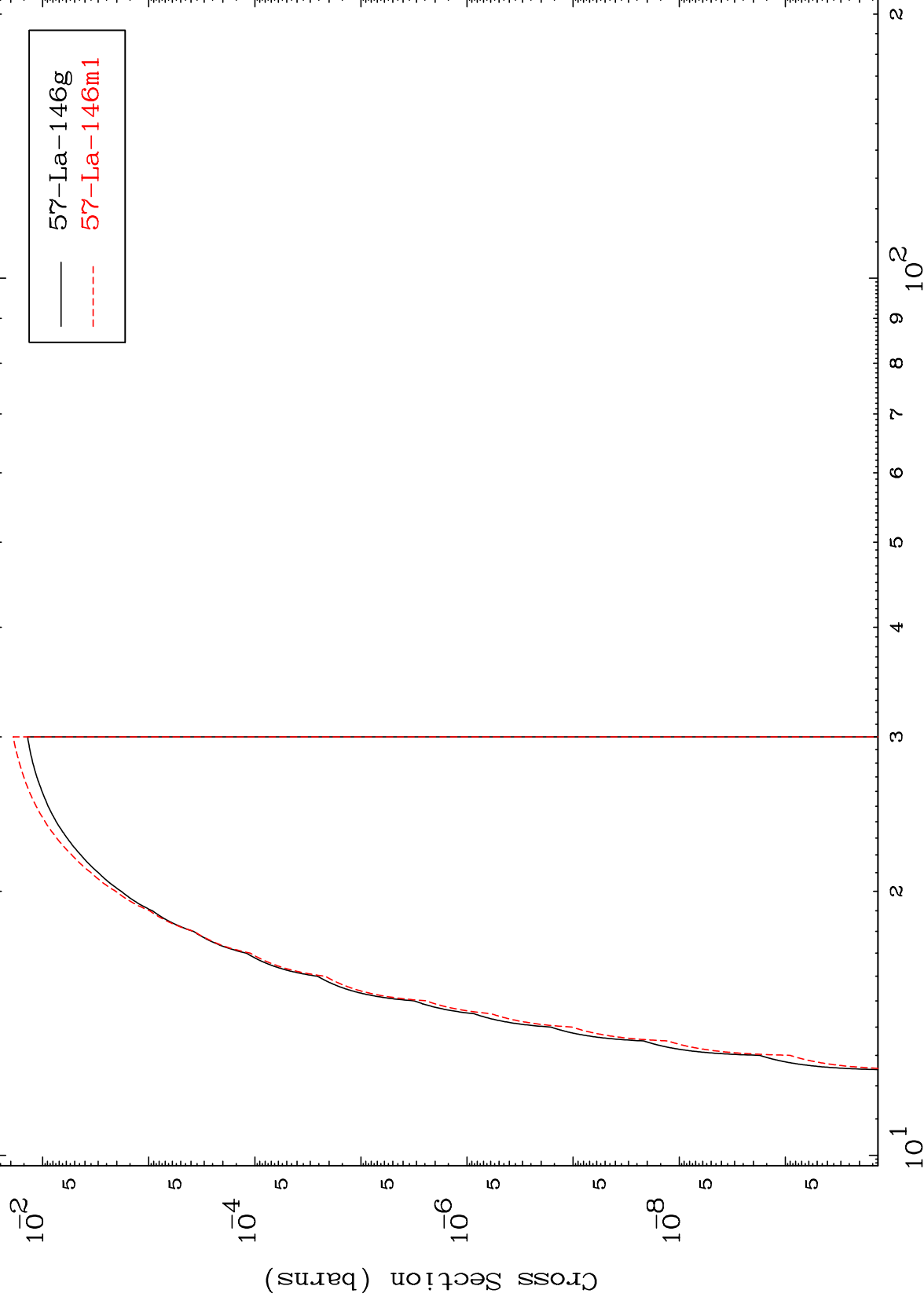
86

MAT 5858

(n,n') p

58-Ce-147

Radionuclide Production Cross Section



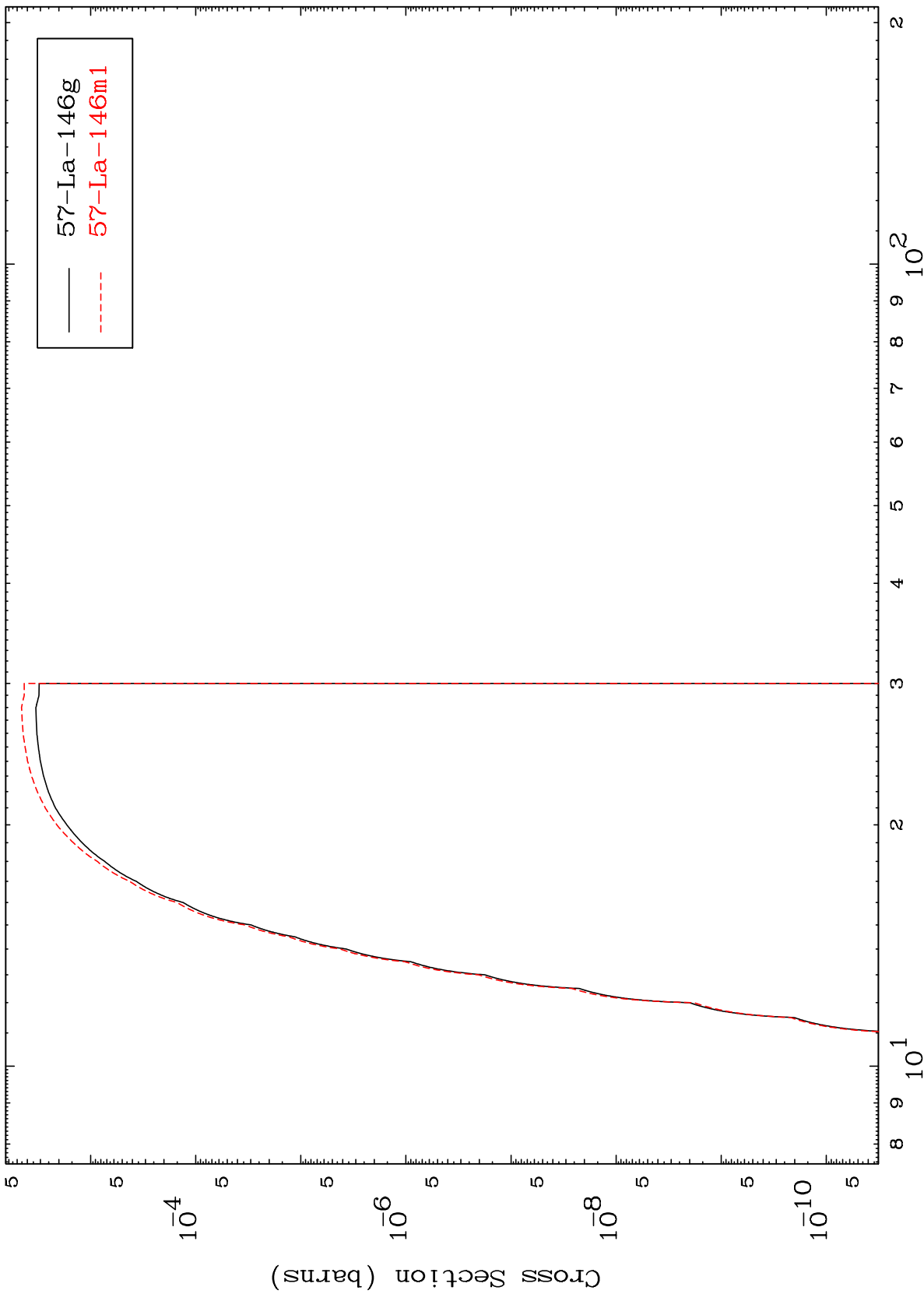
Incident Energy (MeV)

58-Ce-147

MAT 5858

58-Ce-147

(n,d)
Radionuclide Production Cross Section



88

Incident Energy (MeV)

58-Ce-147