

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

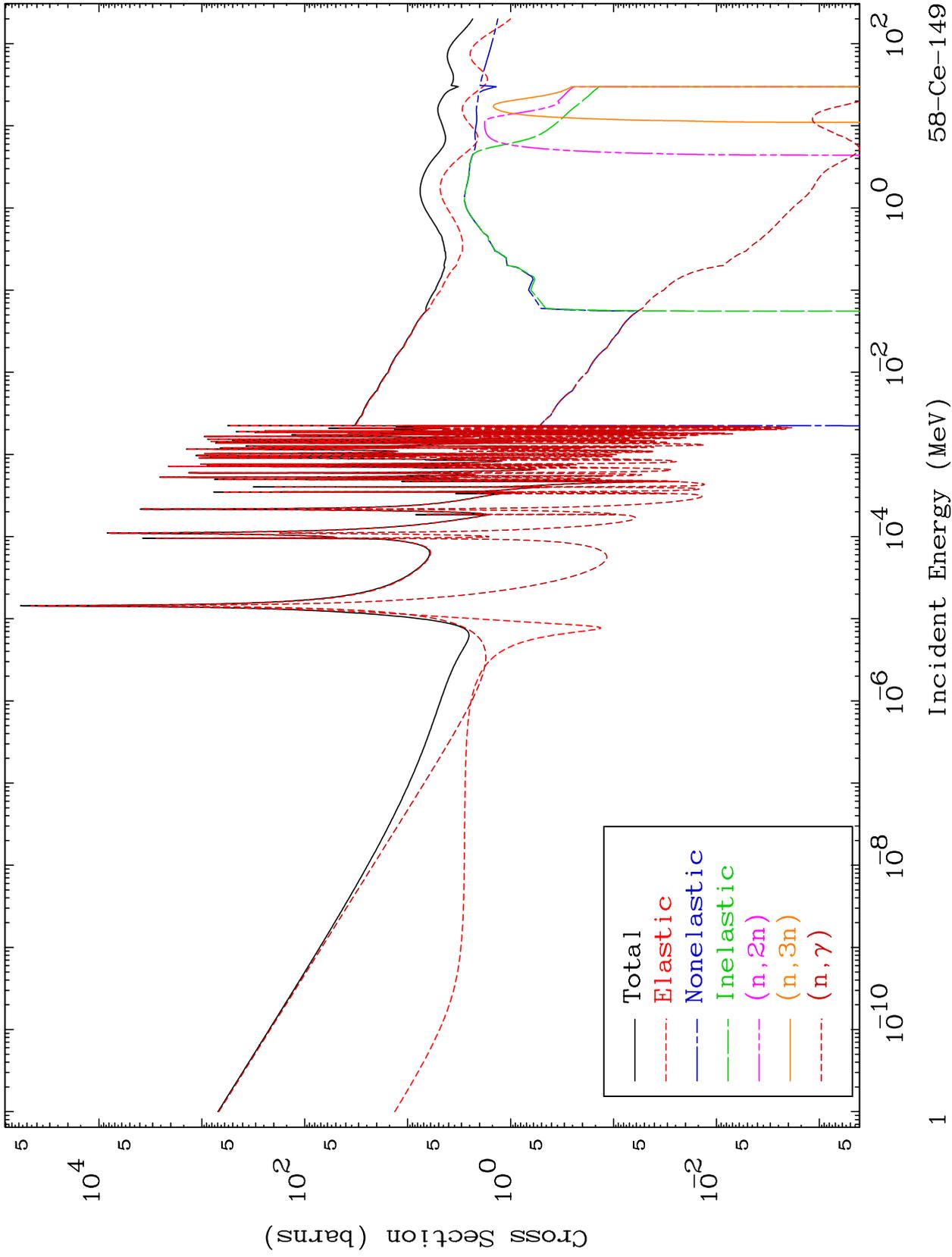
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5864

Neutron Major
293 Kelvin Cross Sections

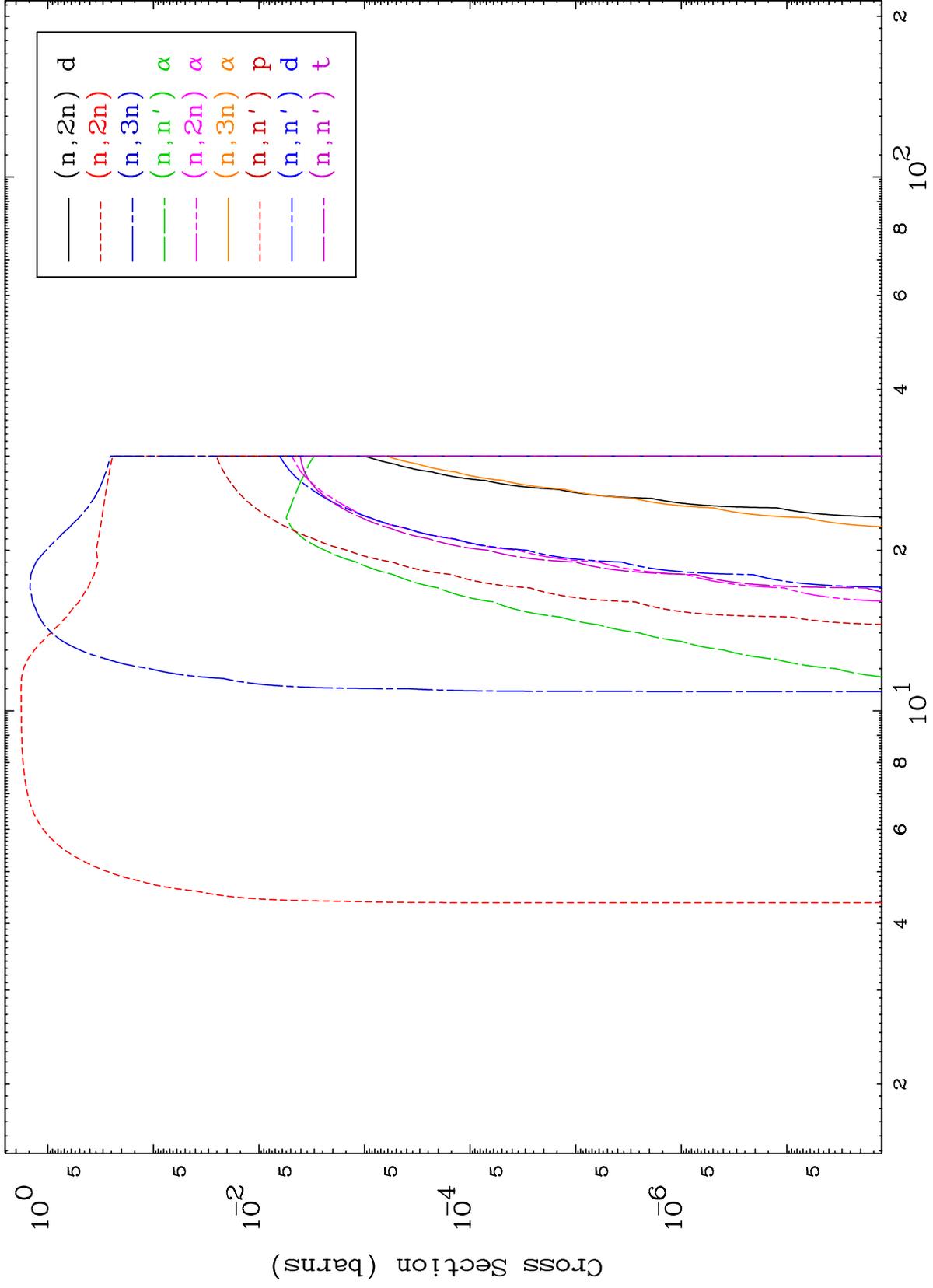
58-Ce-149



MAT 5864

Neutron Absorption
293 Kelvin Cross Sections

58-Ce-149



2

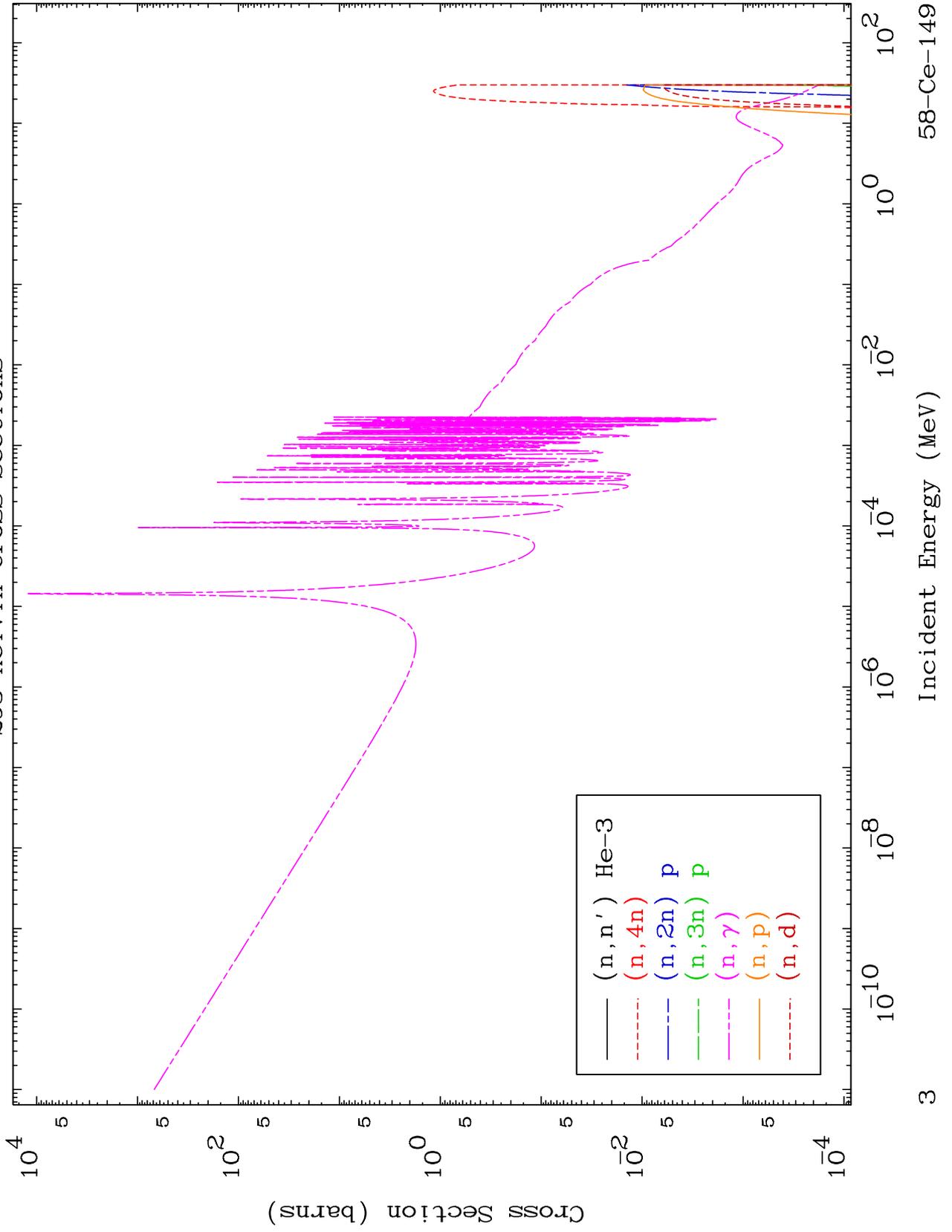
Incident Energy (MeV)

58-Ce-149

MAT 5864

Neutron Absorption
293 Kelvin Cross Sections

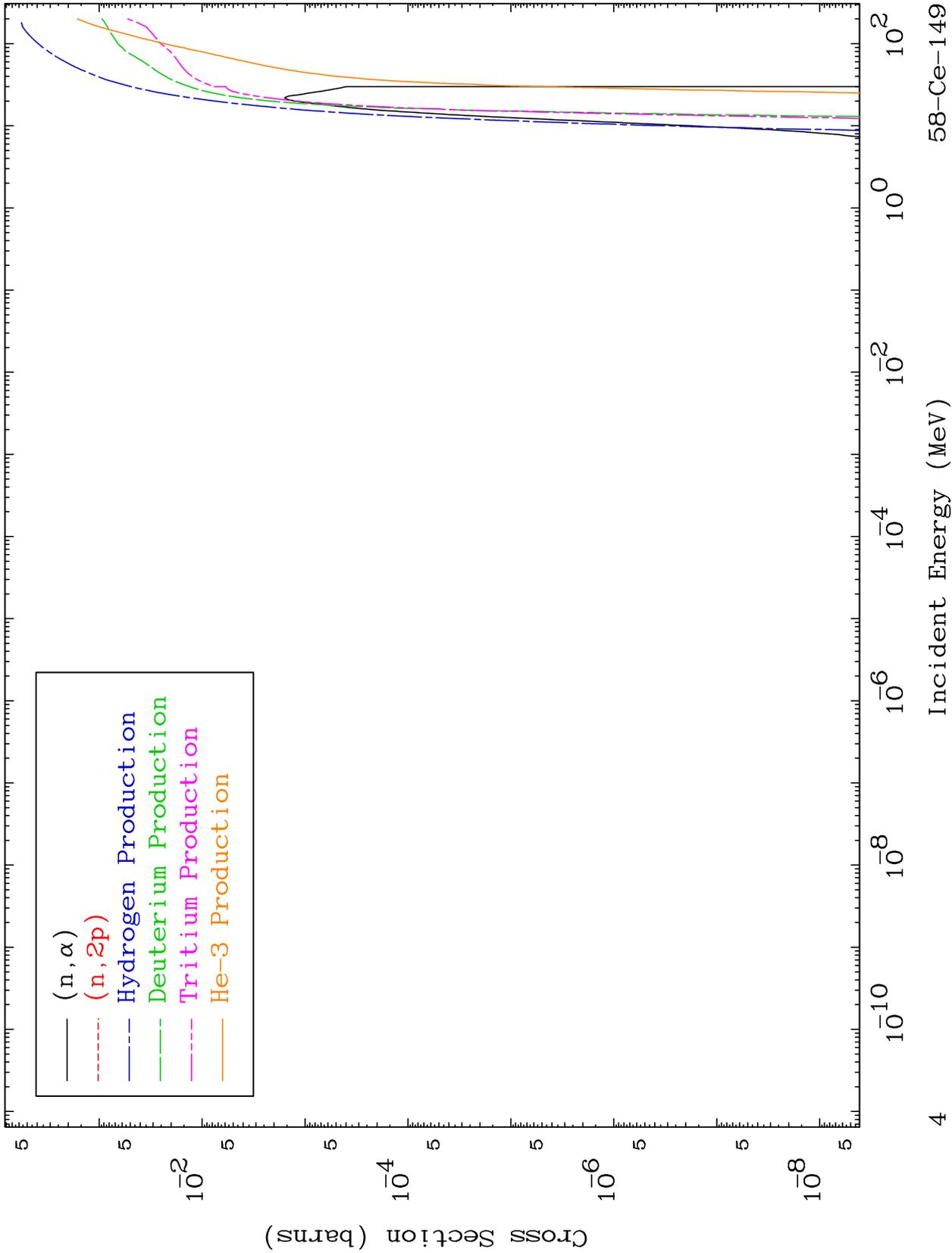
58-Ce-149



MAT 5864

Neutron Absorption
293 Kelvin Cross Sections

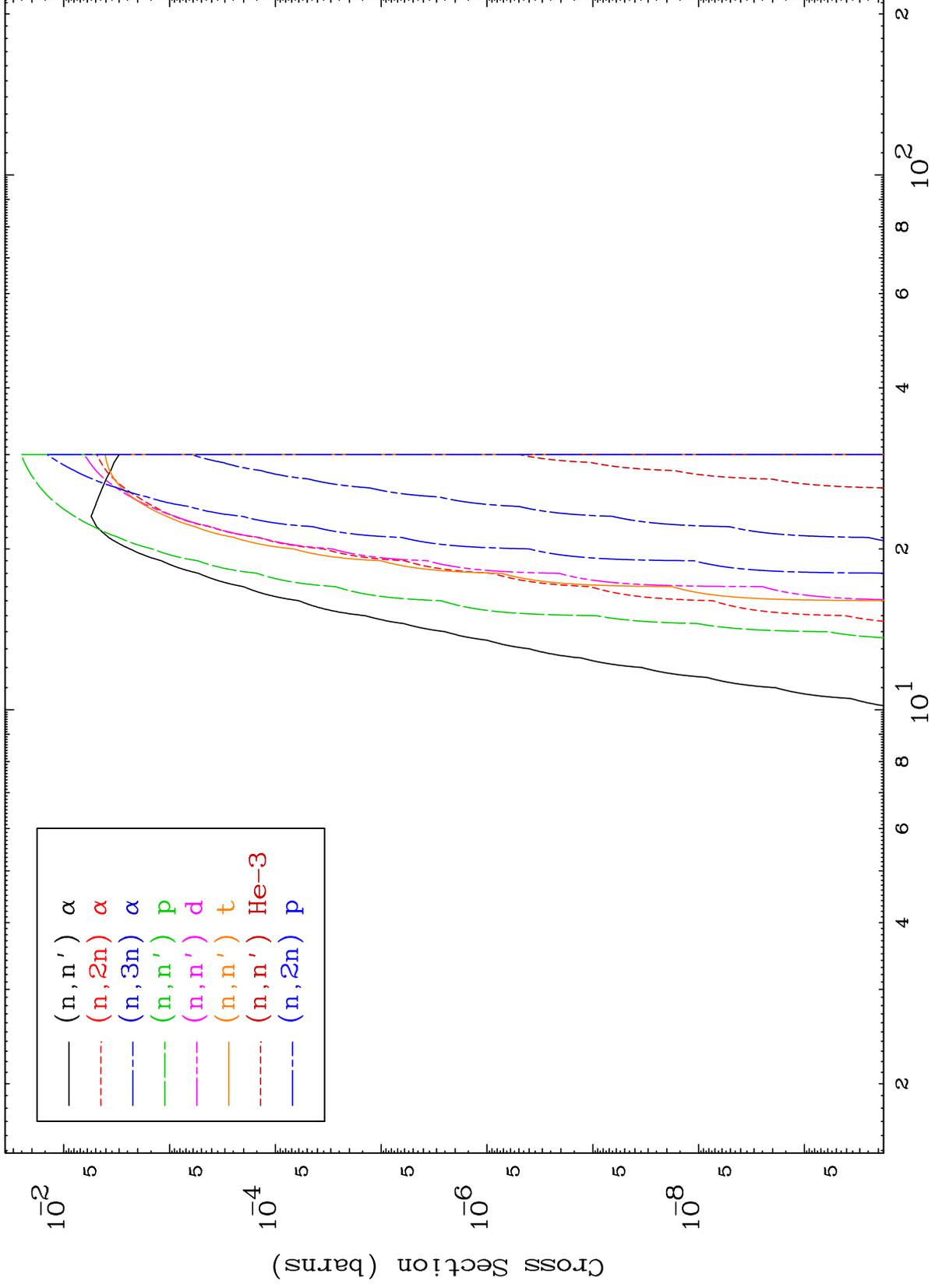
58-Ce-149



MAT 5864

Charged Particle
293 Kelvin Cross Sections

58-Ce-149



5

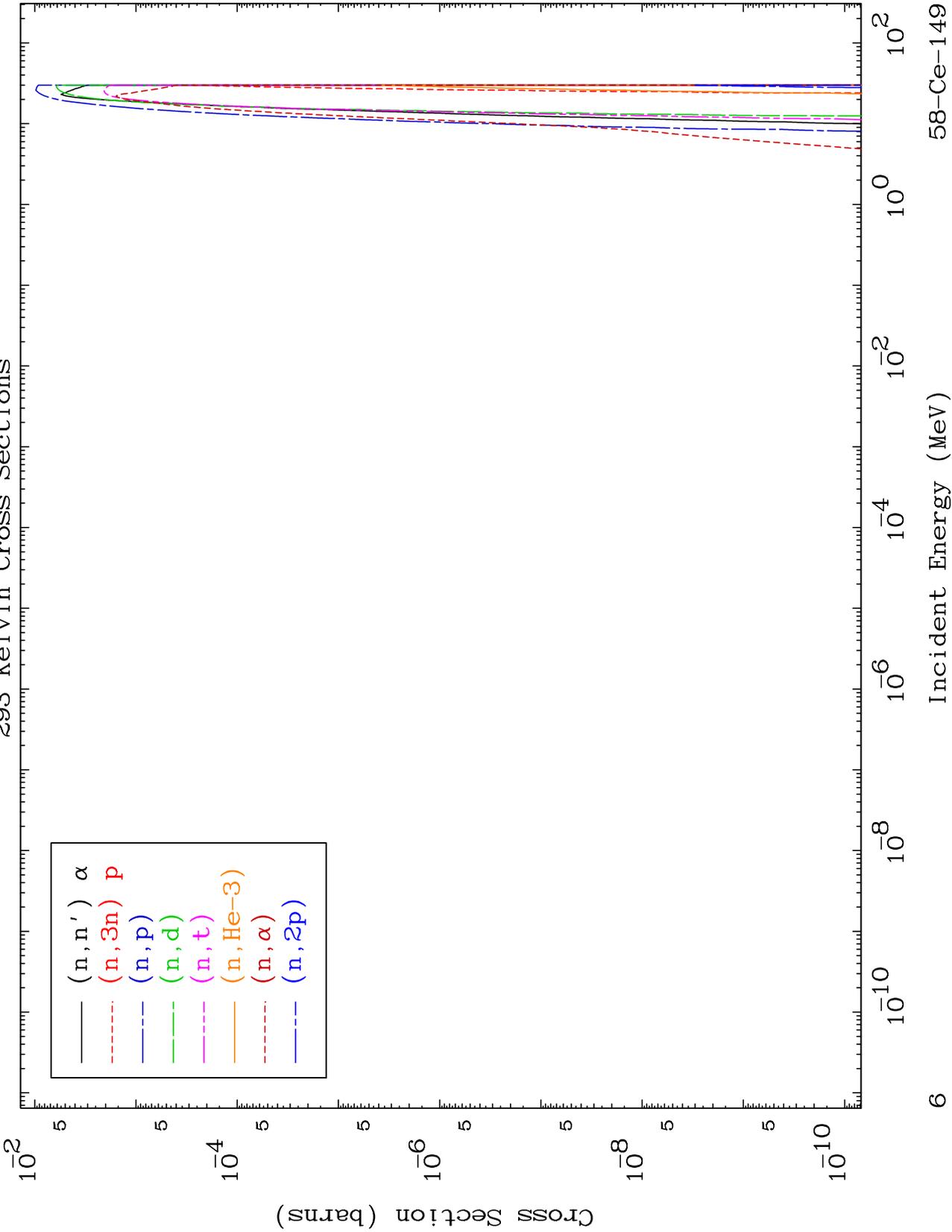
Incident Energy (MeV)

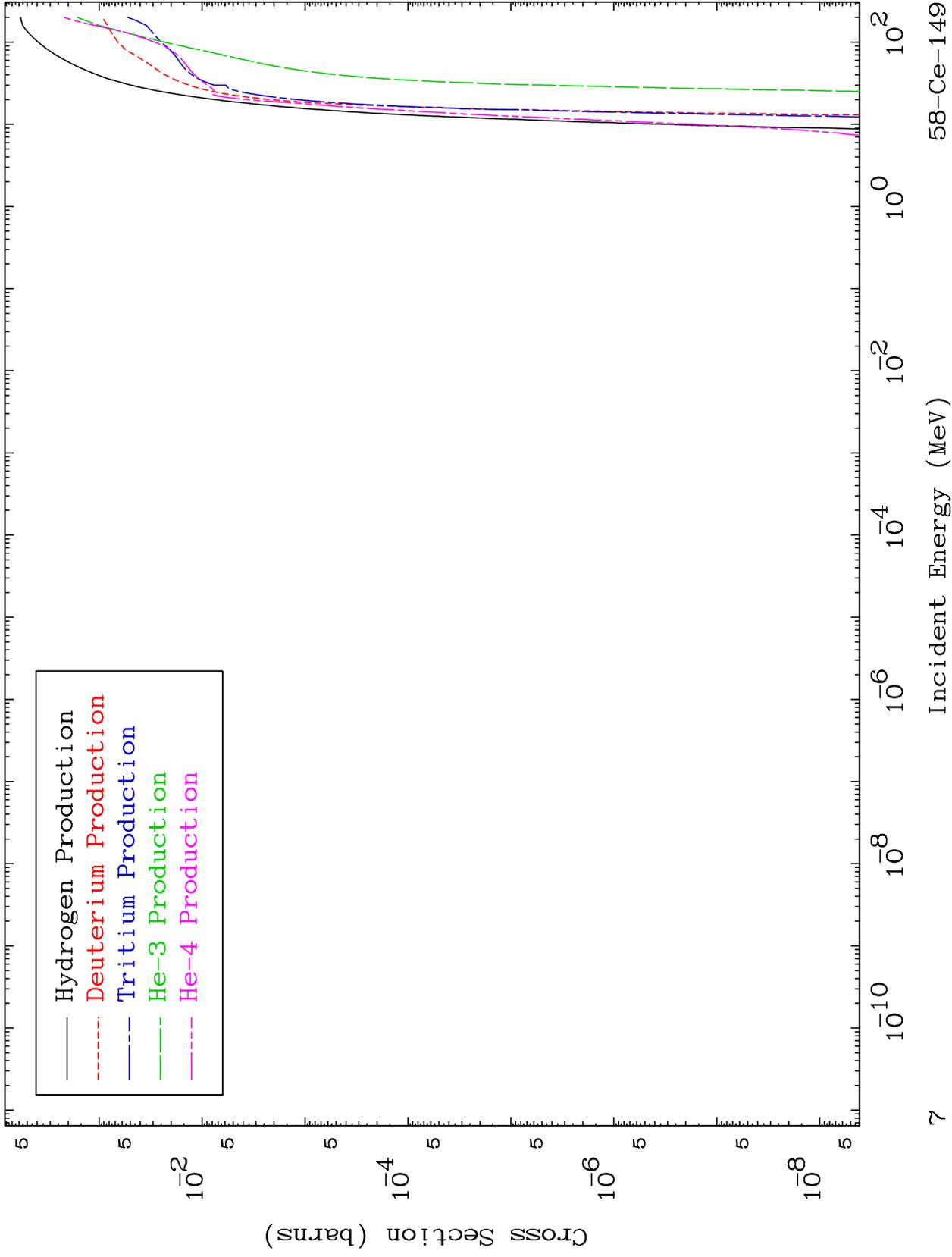
58-Ce-149

MAT 5864

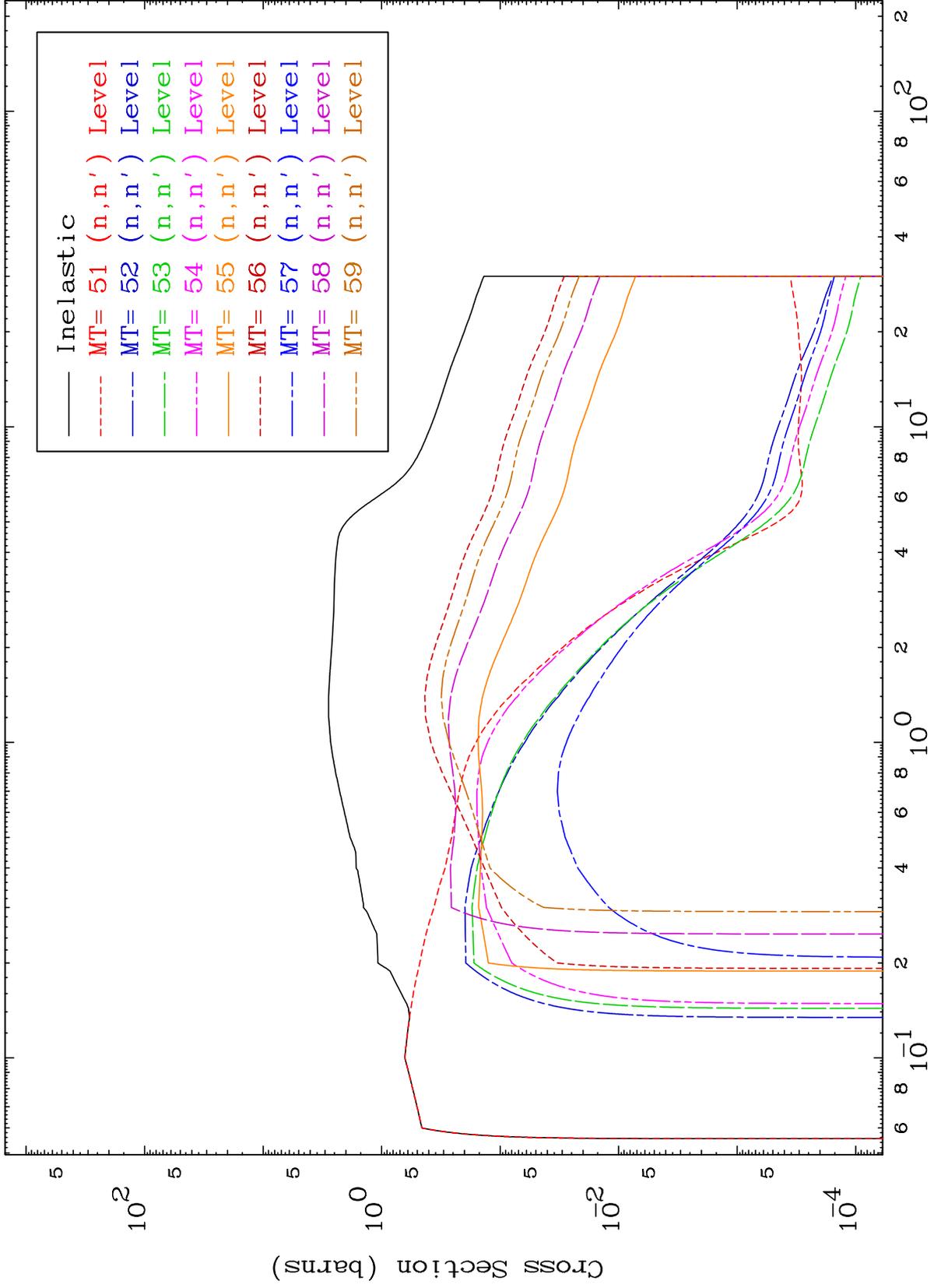
Charged Particle
293 Kelvin Cross Sections

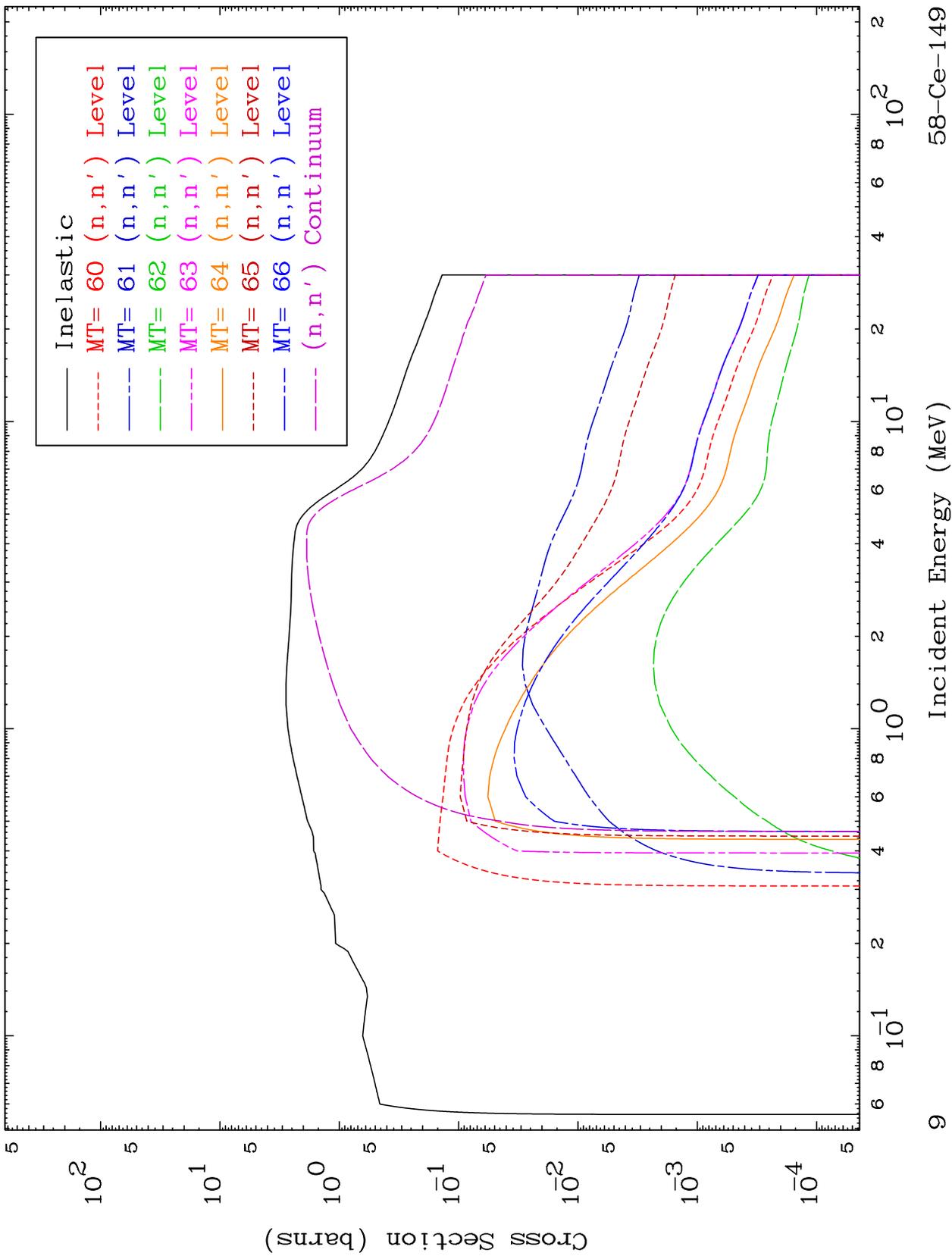
58-Ce-149





293 Kelvin Cross Sections

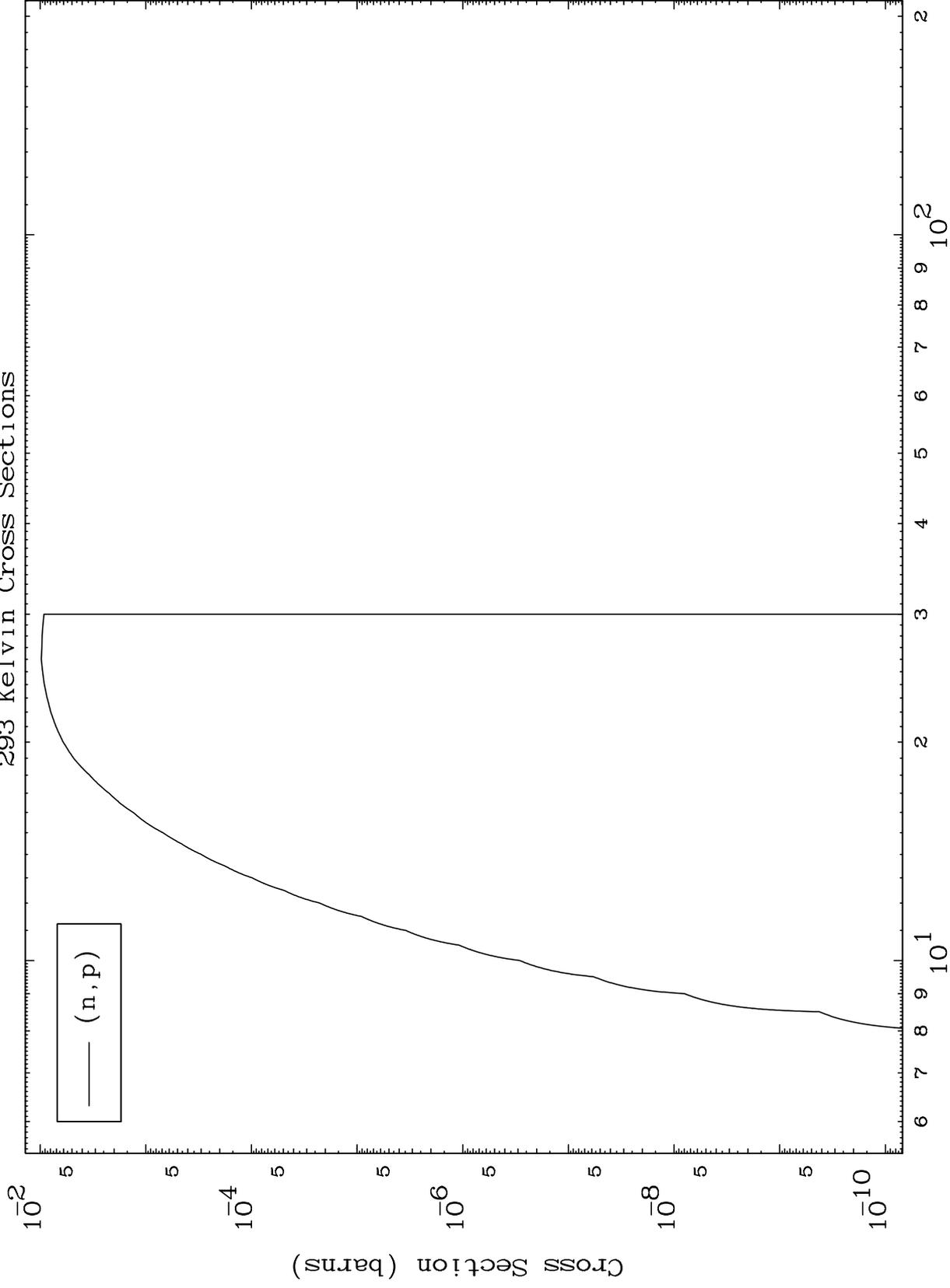




MAT 5864

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-149



10

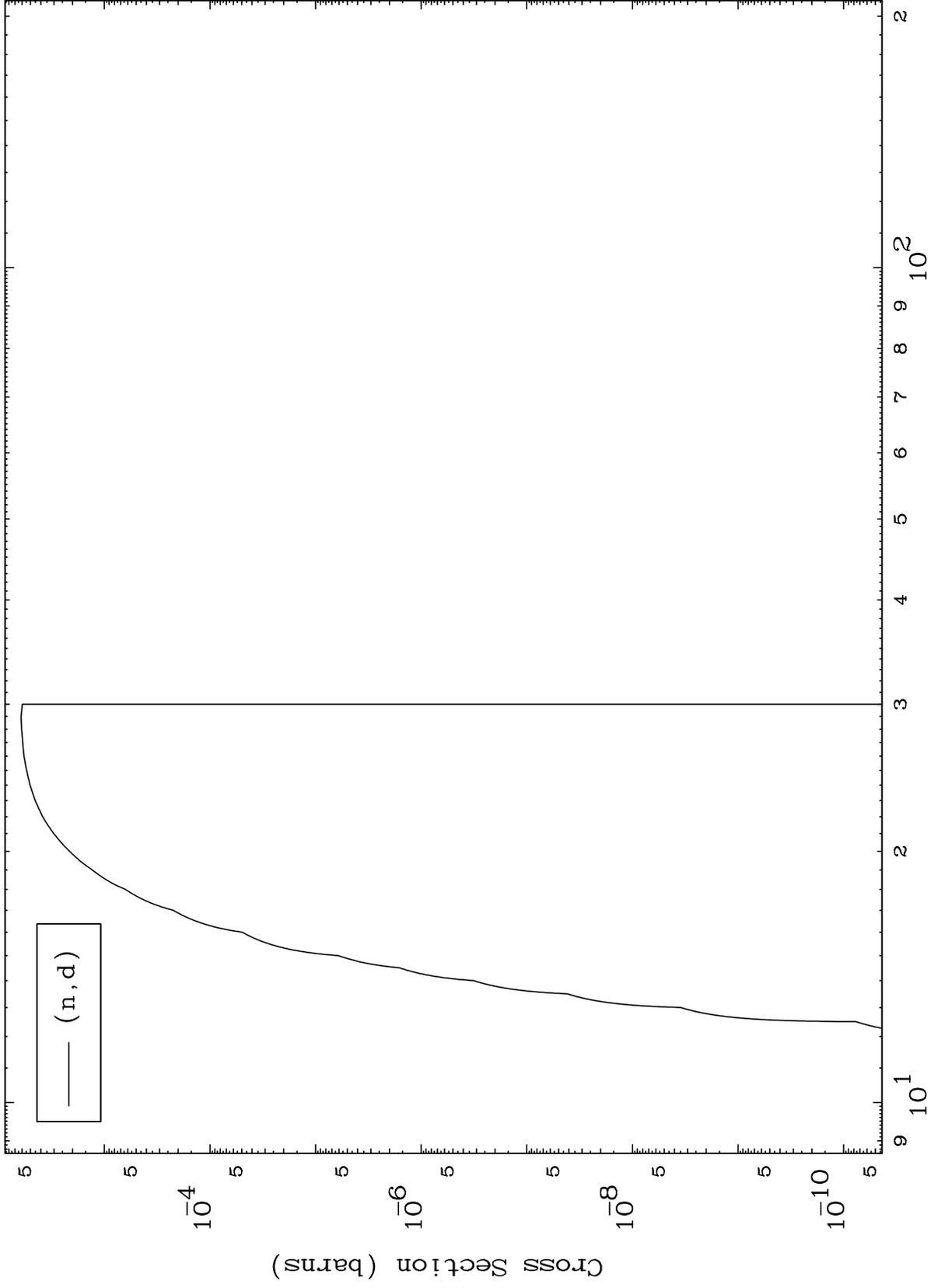
Incident Energy (MeV)

58-Ce-149

MAT 5864

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-149



11

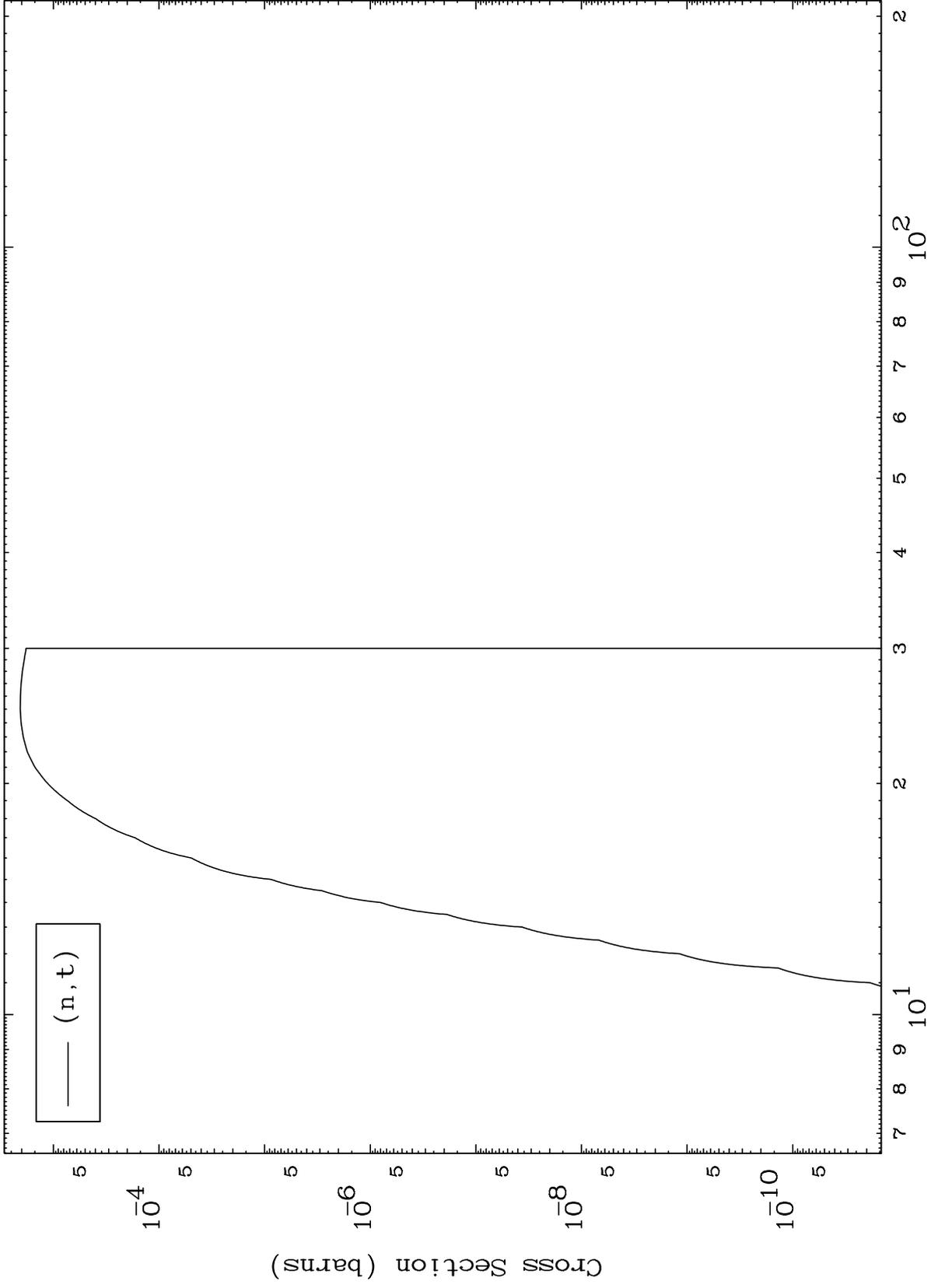
Incident Energy (MeV)

58-Ce-149

MAT 5864

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-149



12

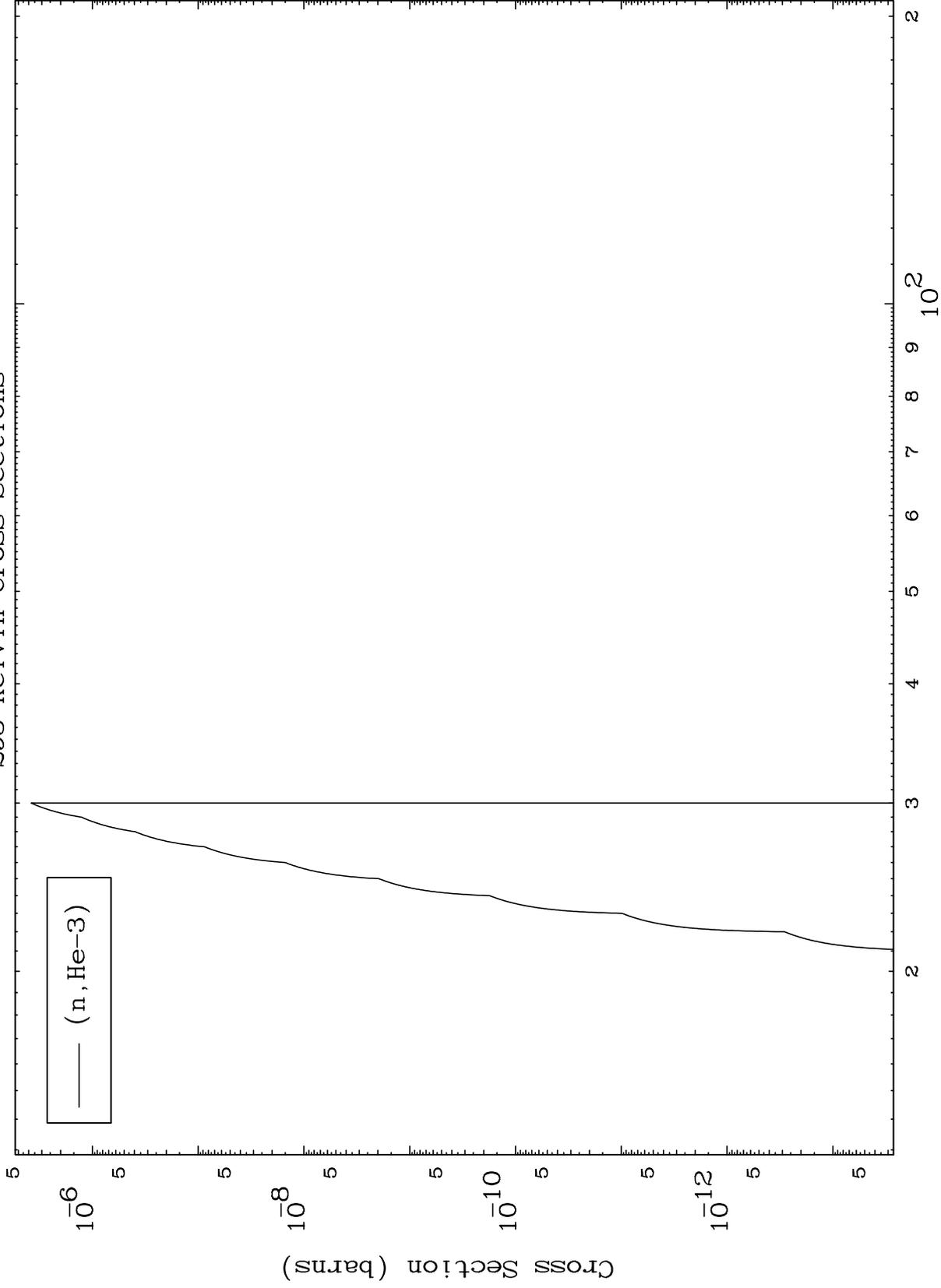
Incident Energy (MeV)

58-Ce-149

MAT 5864

(n,He3) Levels
293 Kelvin Cross Sections

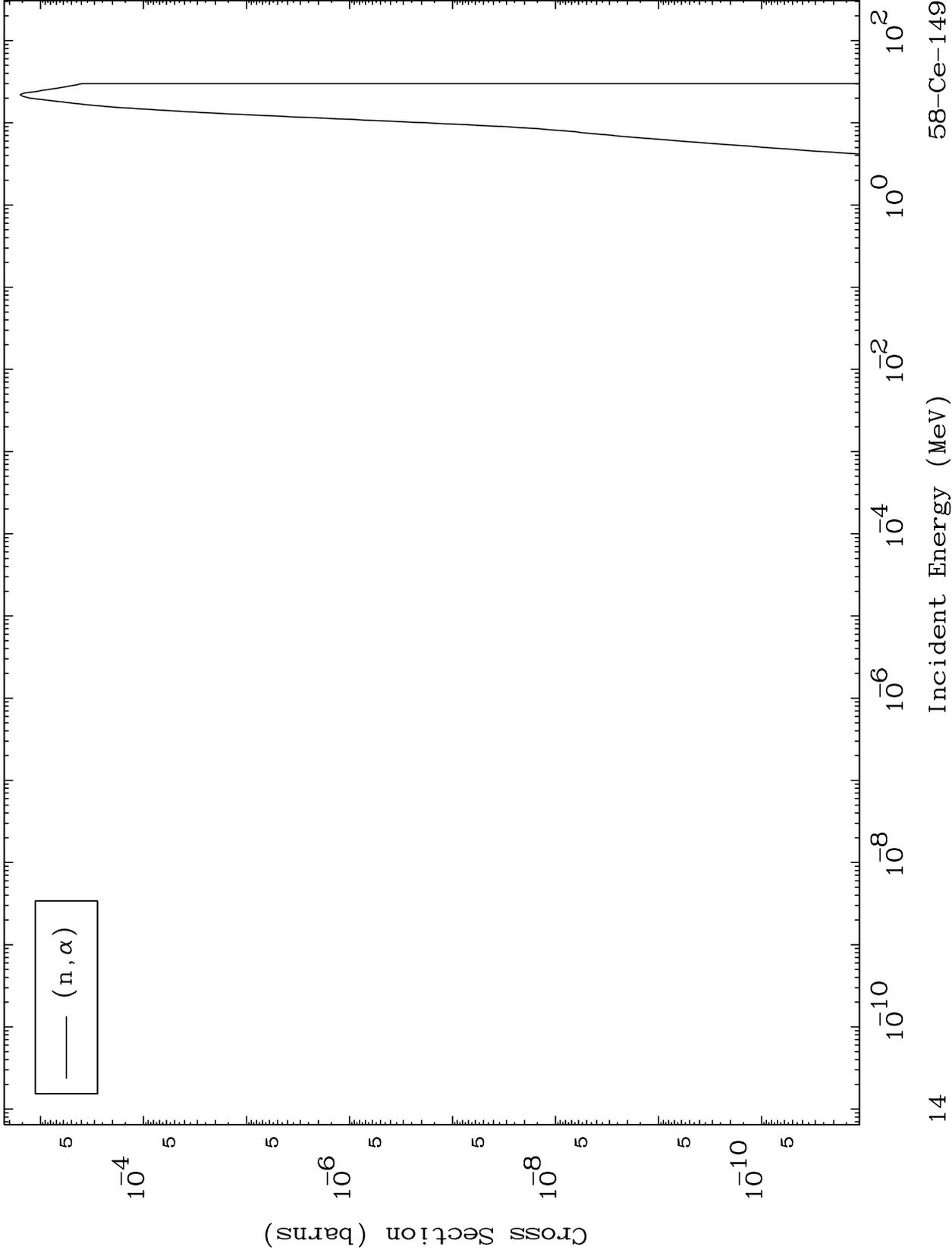
58-Ce-149

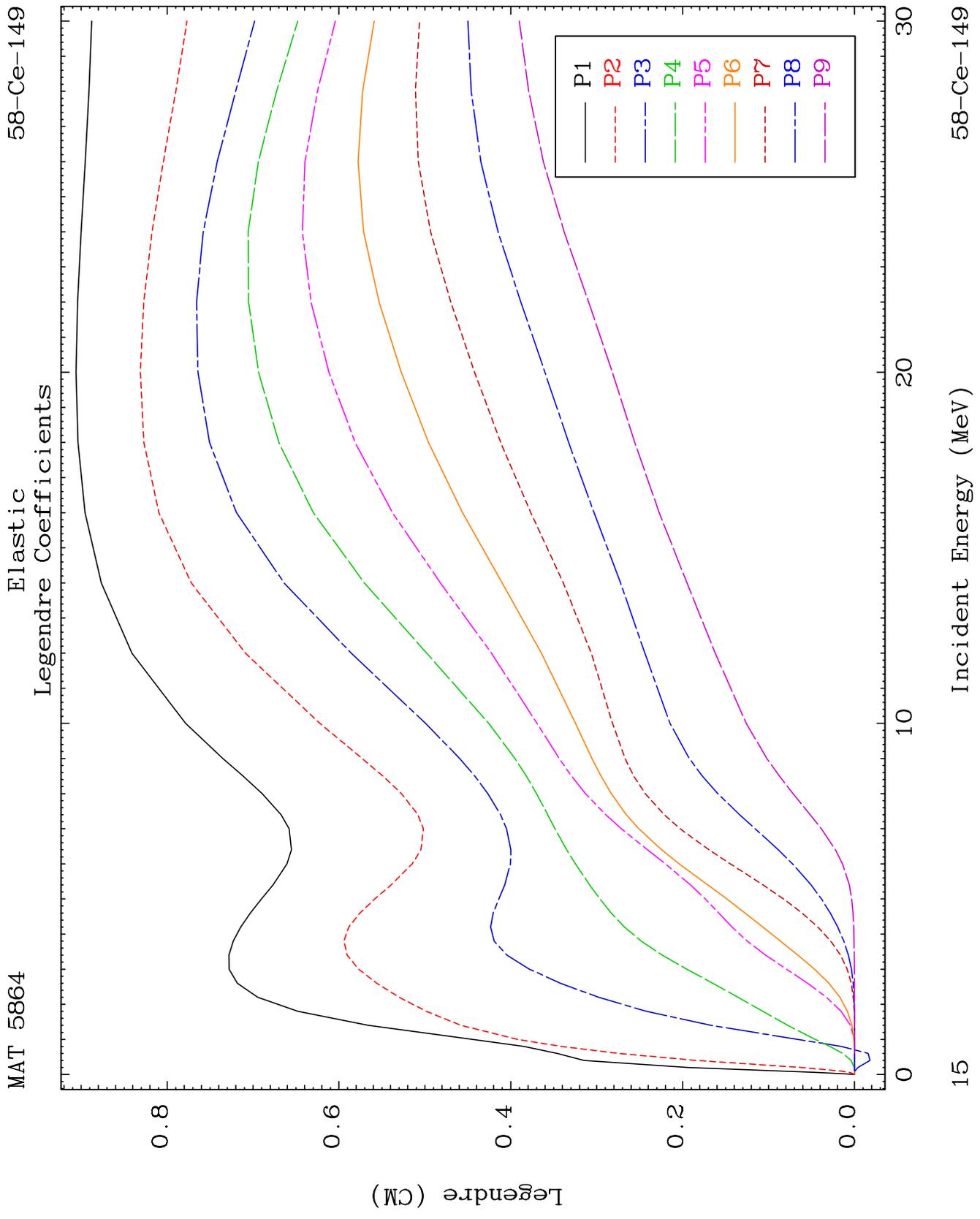


MAT 5864

(n, α) Levels
293 Kelvin Cross Sections

58-Ce-149

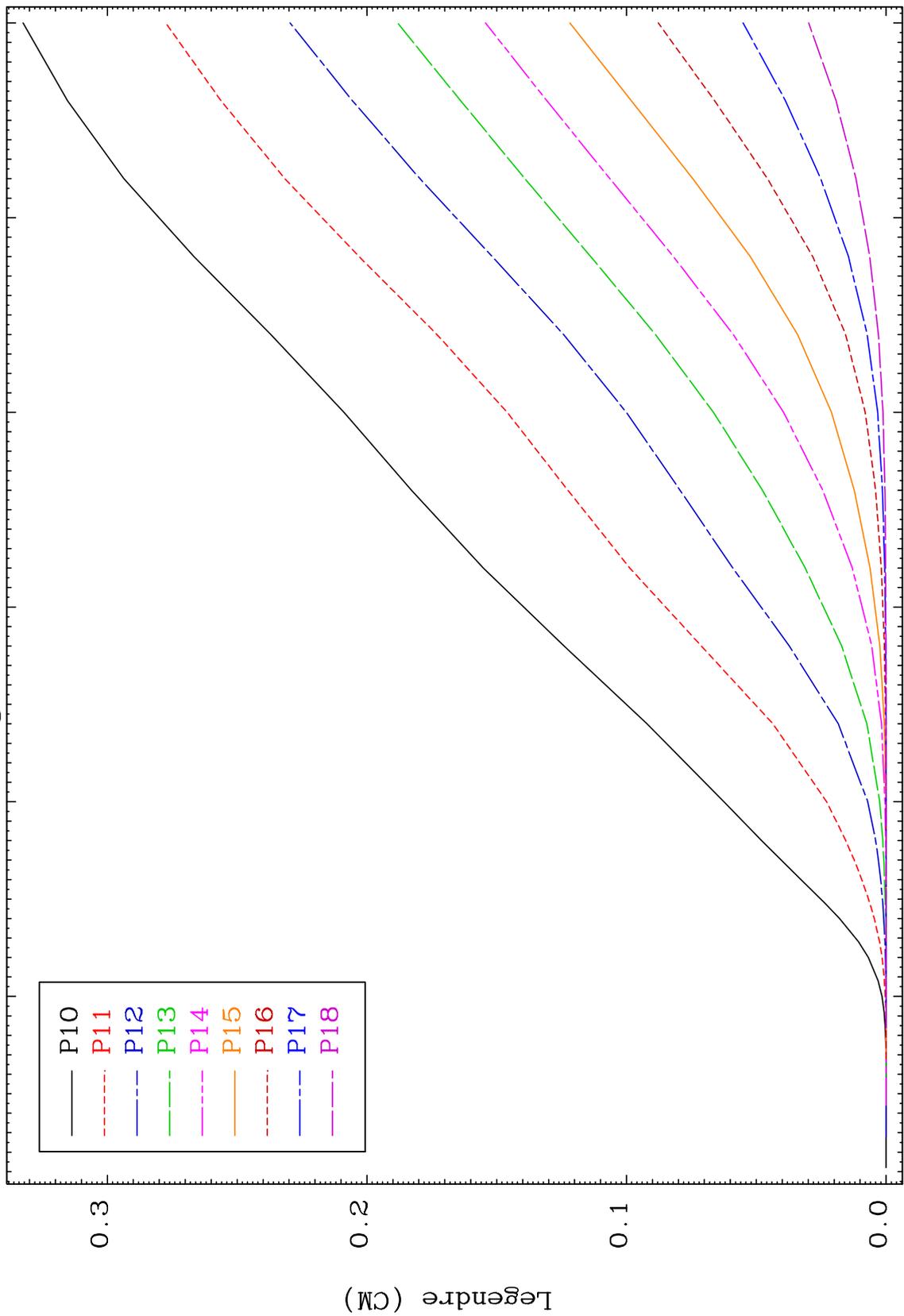




MAT 5864

Elastic Legendre Coefficients

58-Ce-149



16

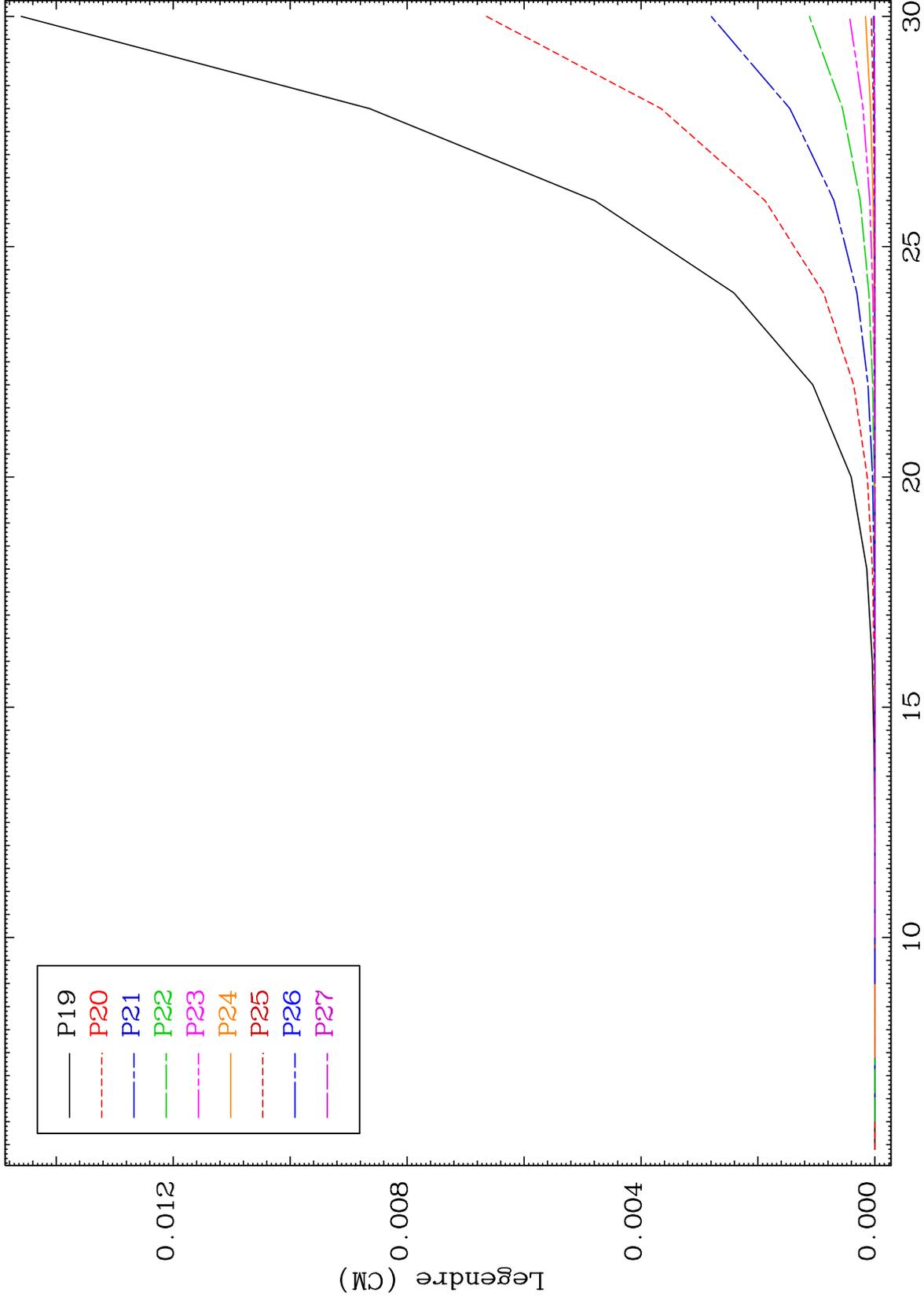
Incident Energy (MeV)

58-Ce-149

MAT 5864

Elastic Legendre Coefficients

58-Ce-149



17

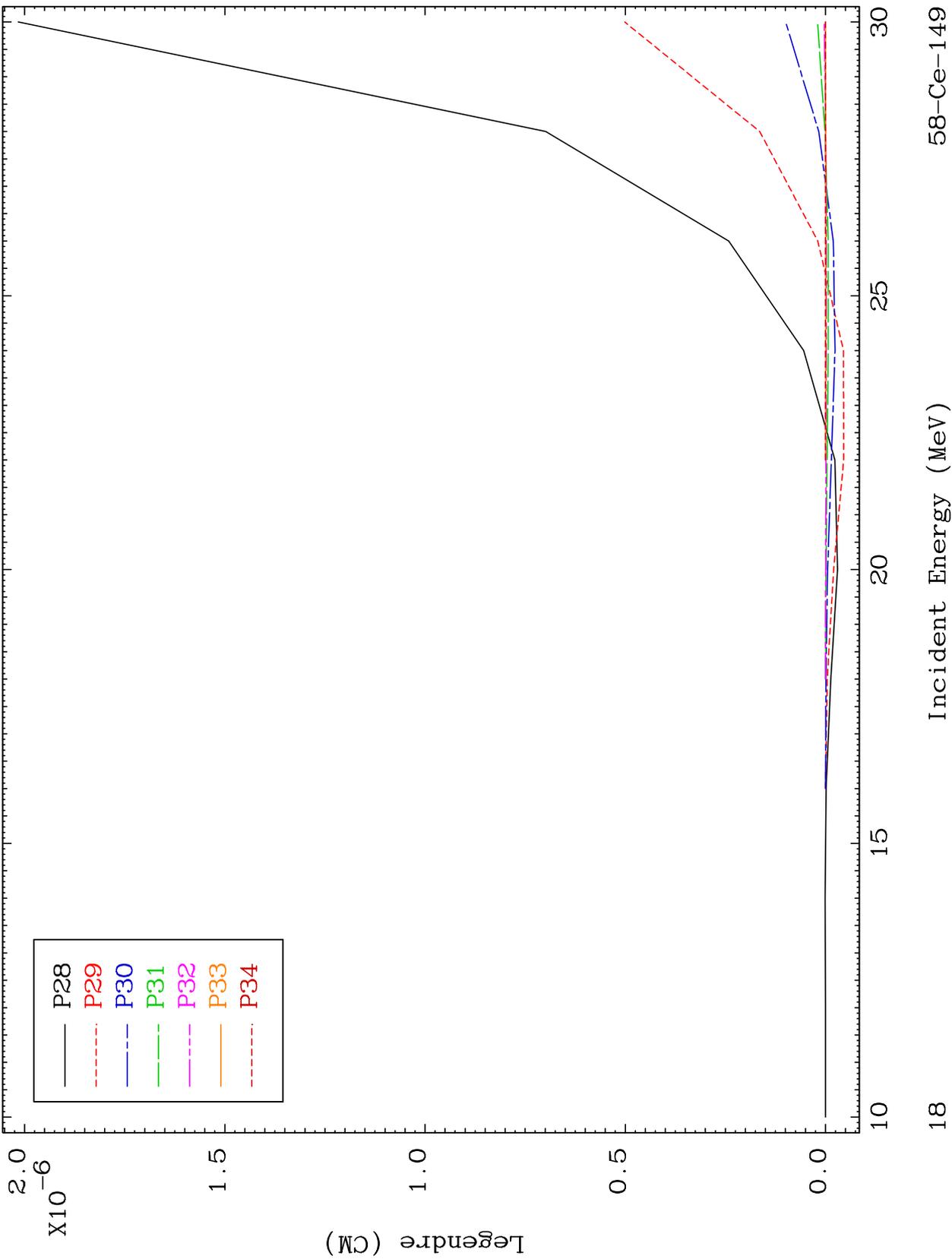
Incident Energy (MeV)

58-Ce-149

MAT 5864

Elastic
Legendre Coefficients

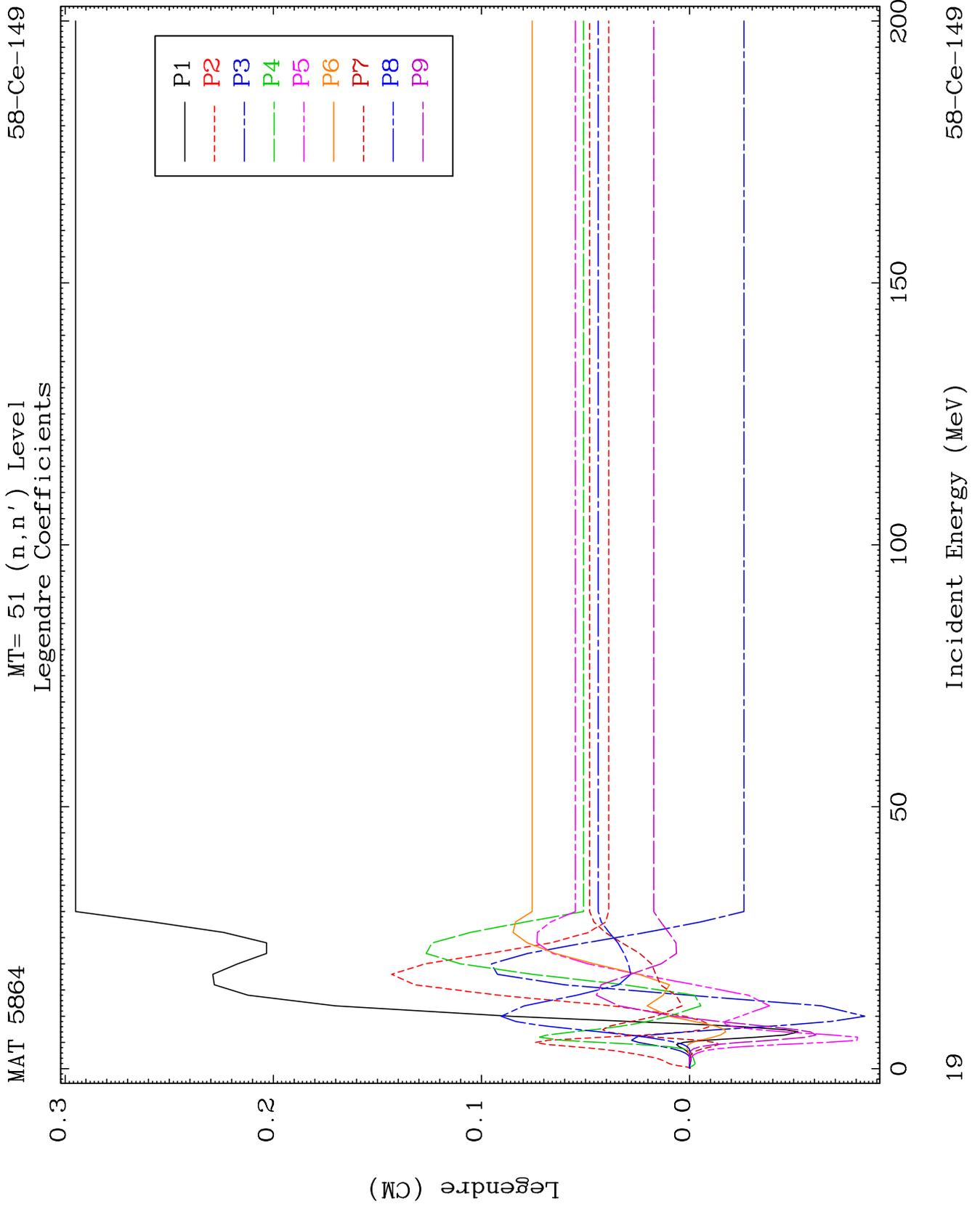
58-Ce-149



18

Incident Energy (MeV)

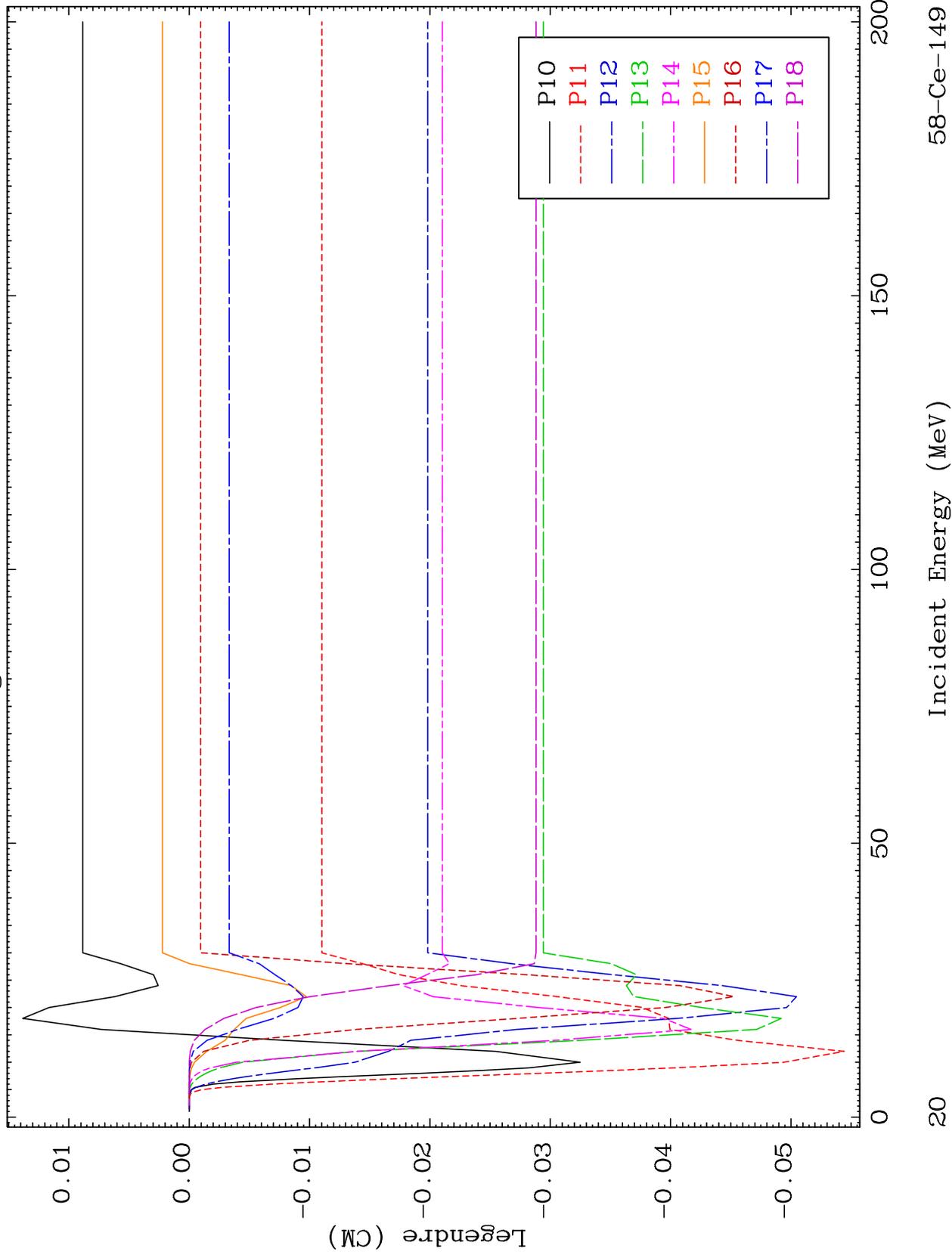
58-Ce-149



MAT 5864

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

58-Ce-149



58-Ce-149

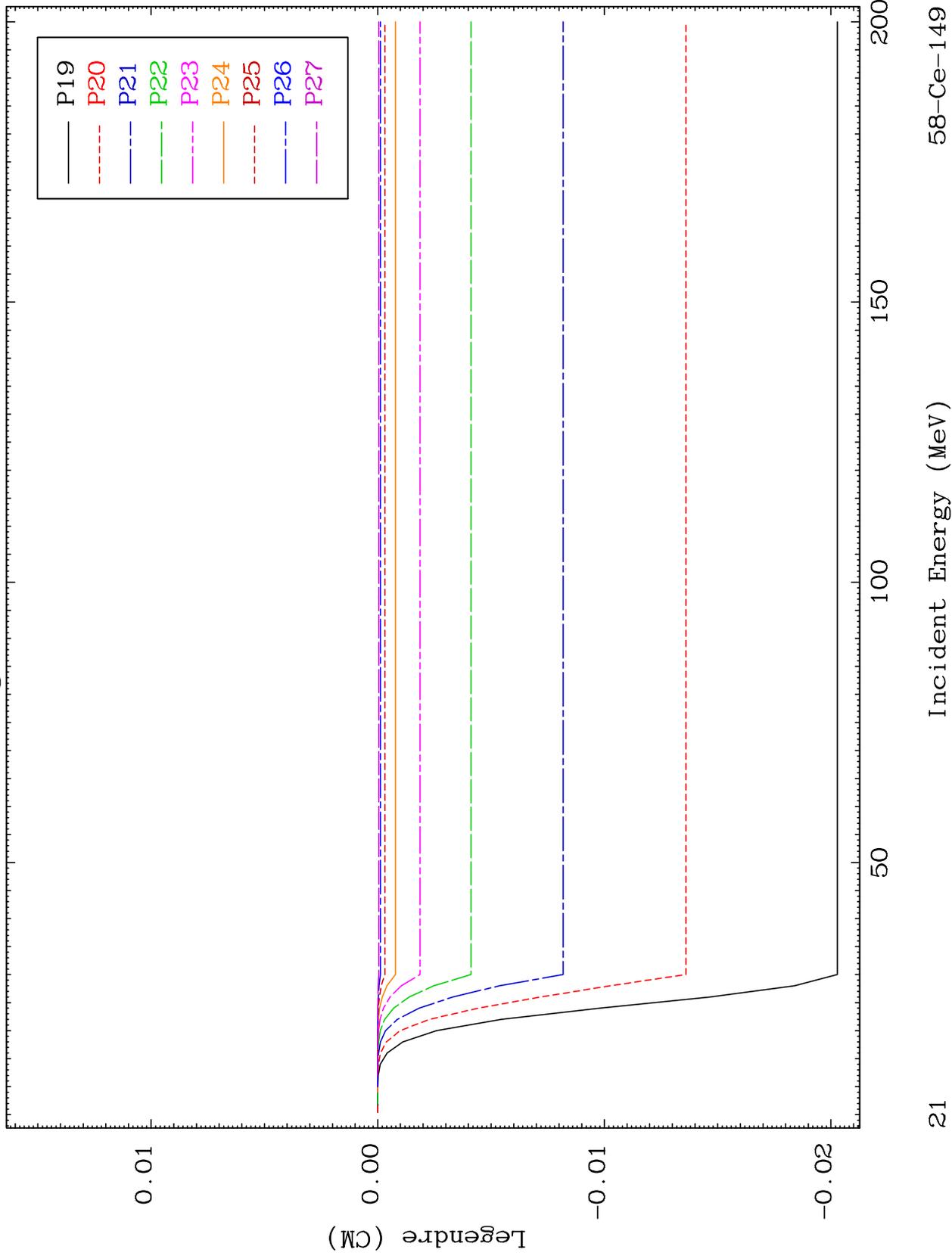
Incident Energy (MeV)

0

MAT 5864

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

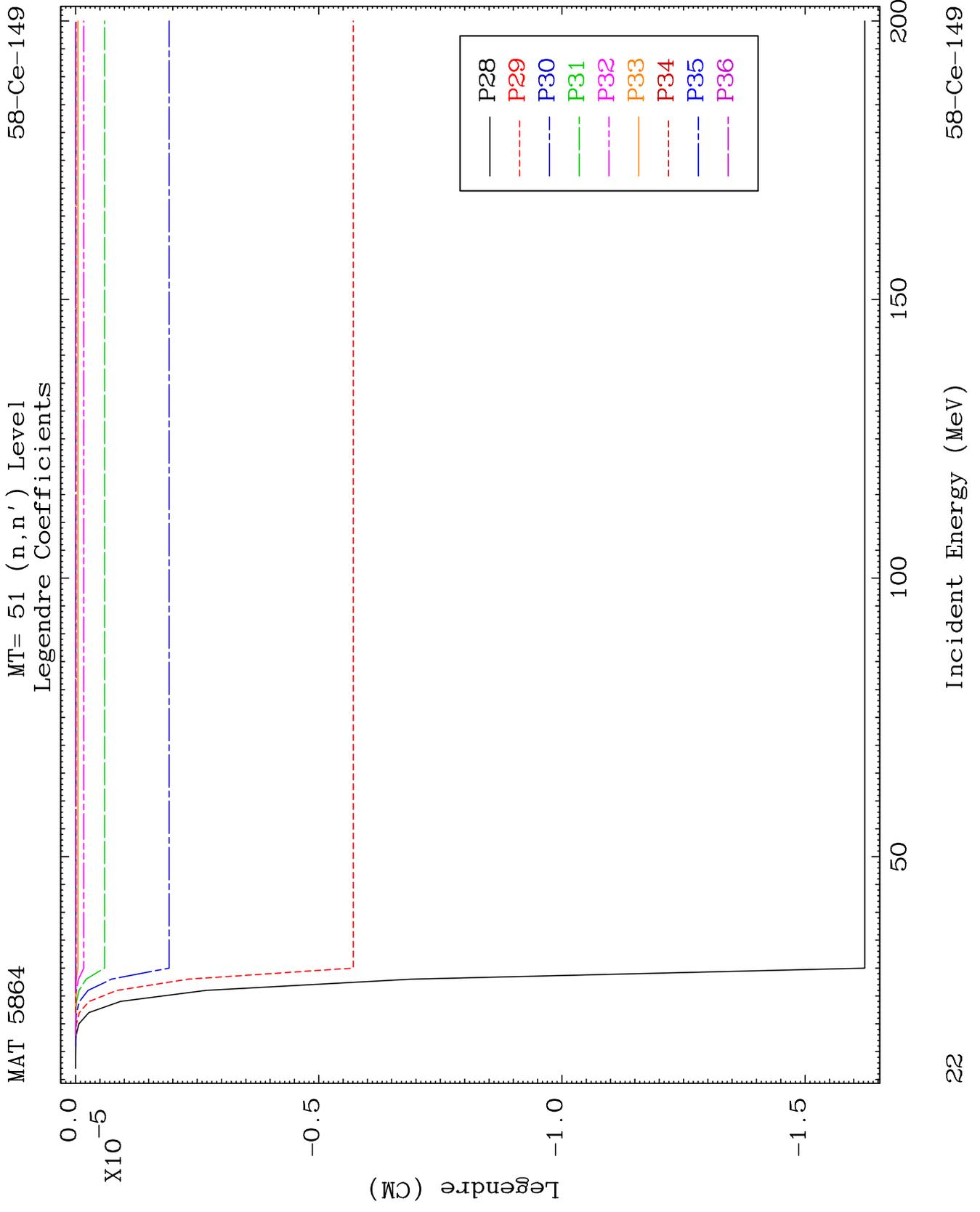
58-Ce-149



21

Incident Energy (MeV)

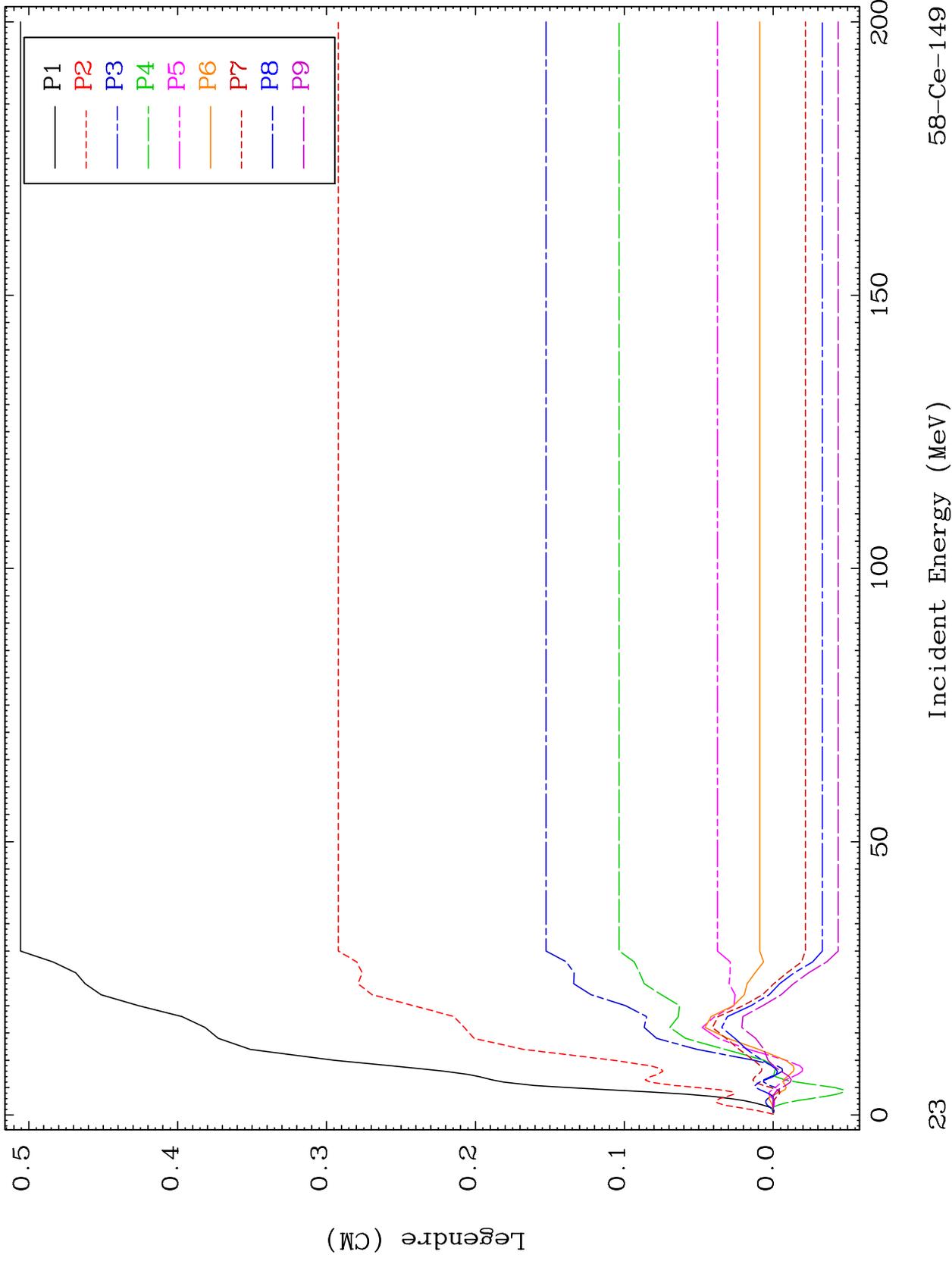
58-Ce-149



MAT 5864

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

58-Ce-149



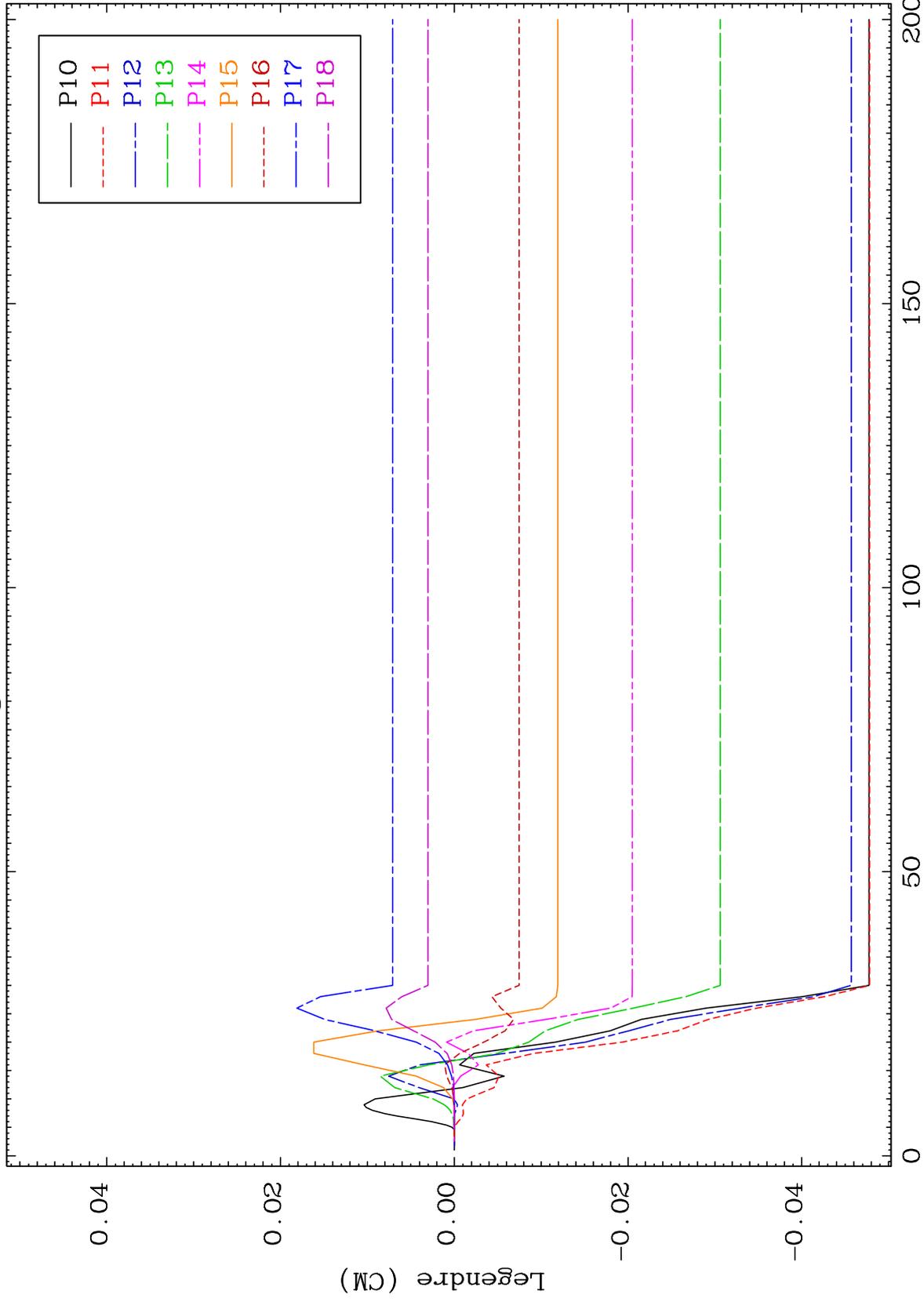
23

58-Ce-149

MAT 5864

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

58-Ce-149



24

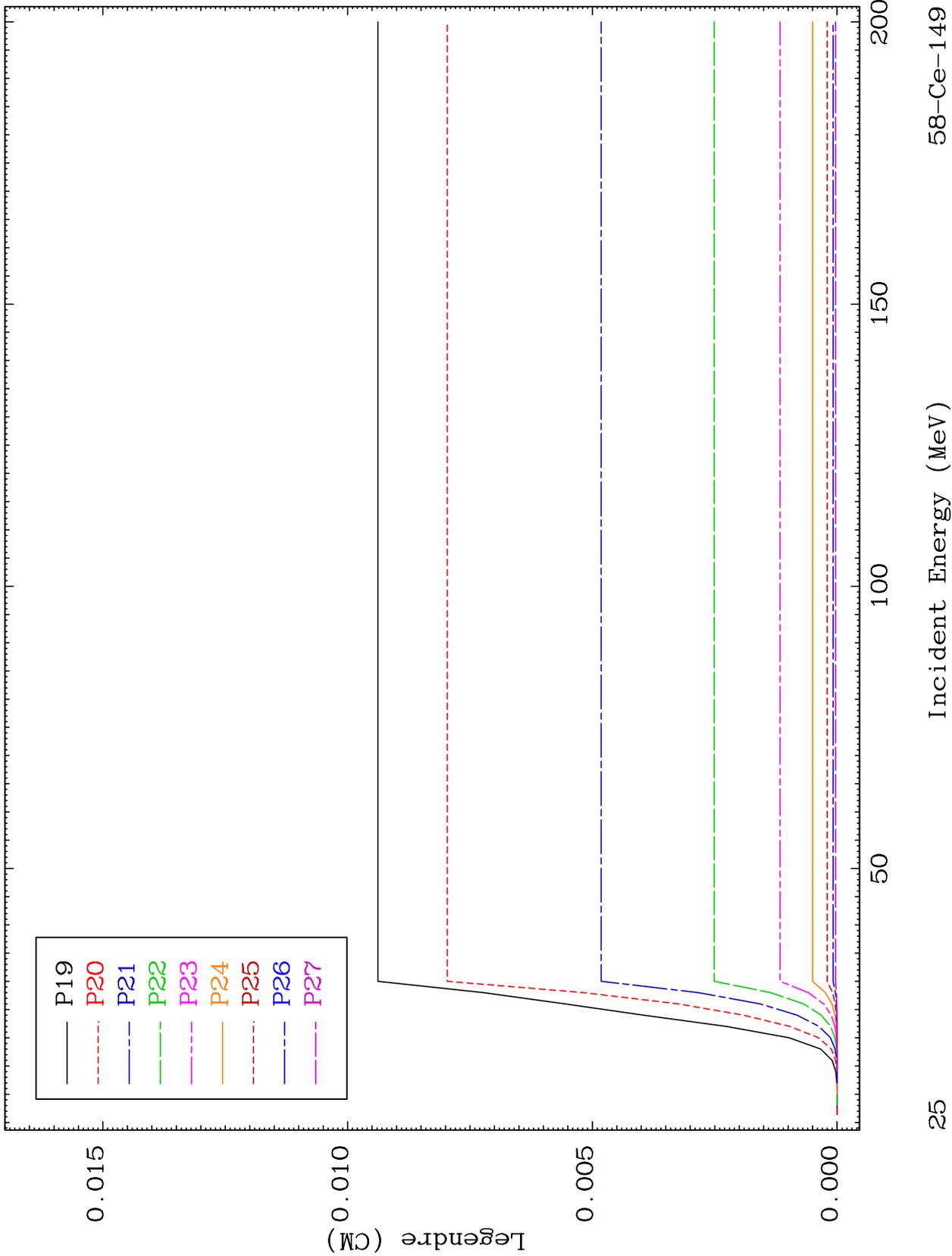
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



25

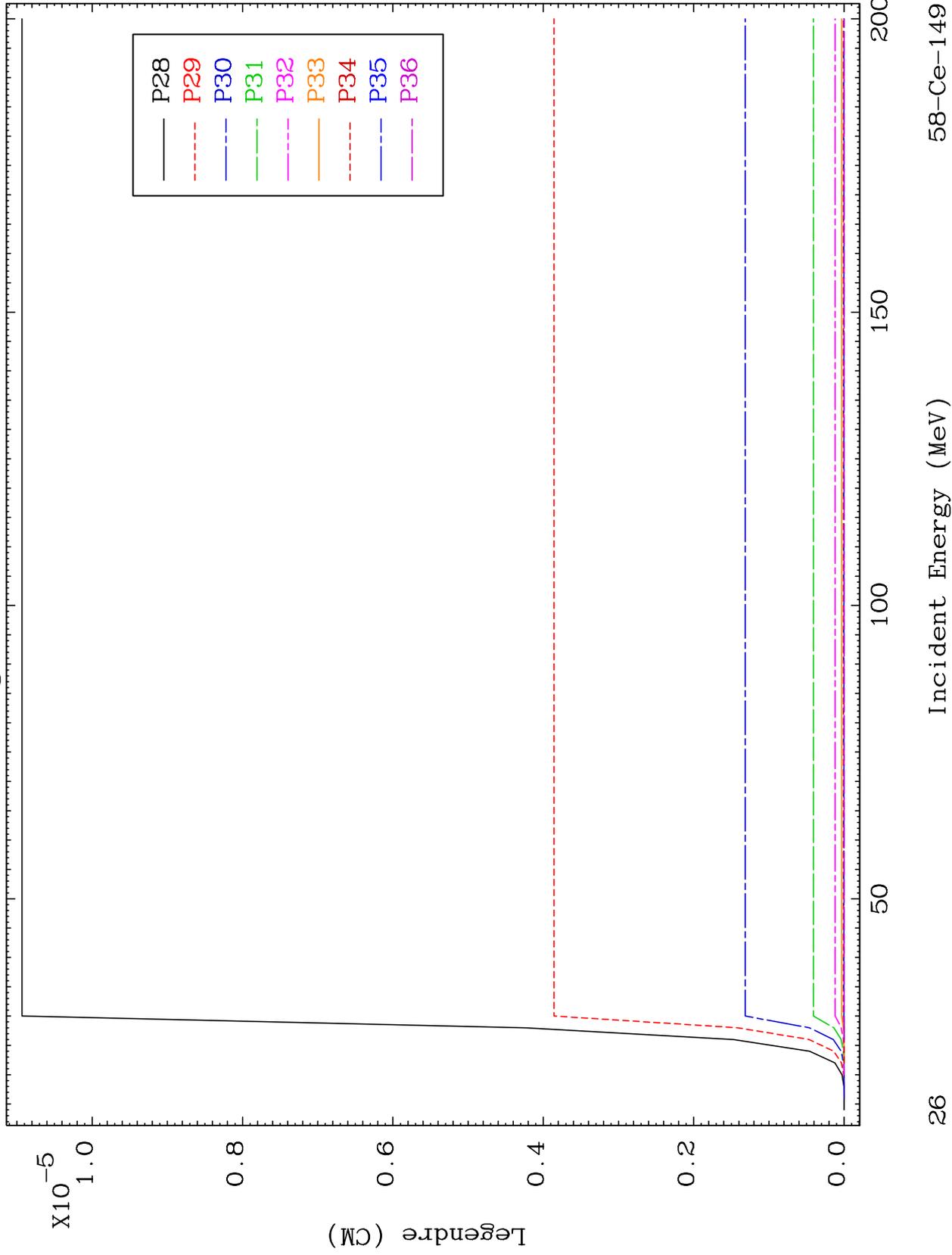
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



26

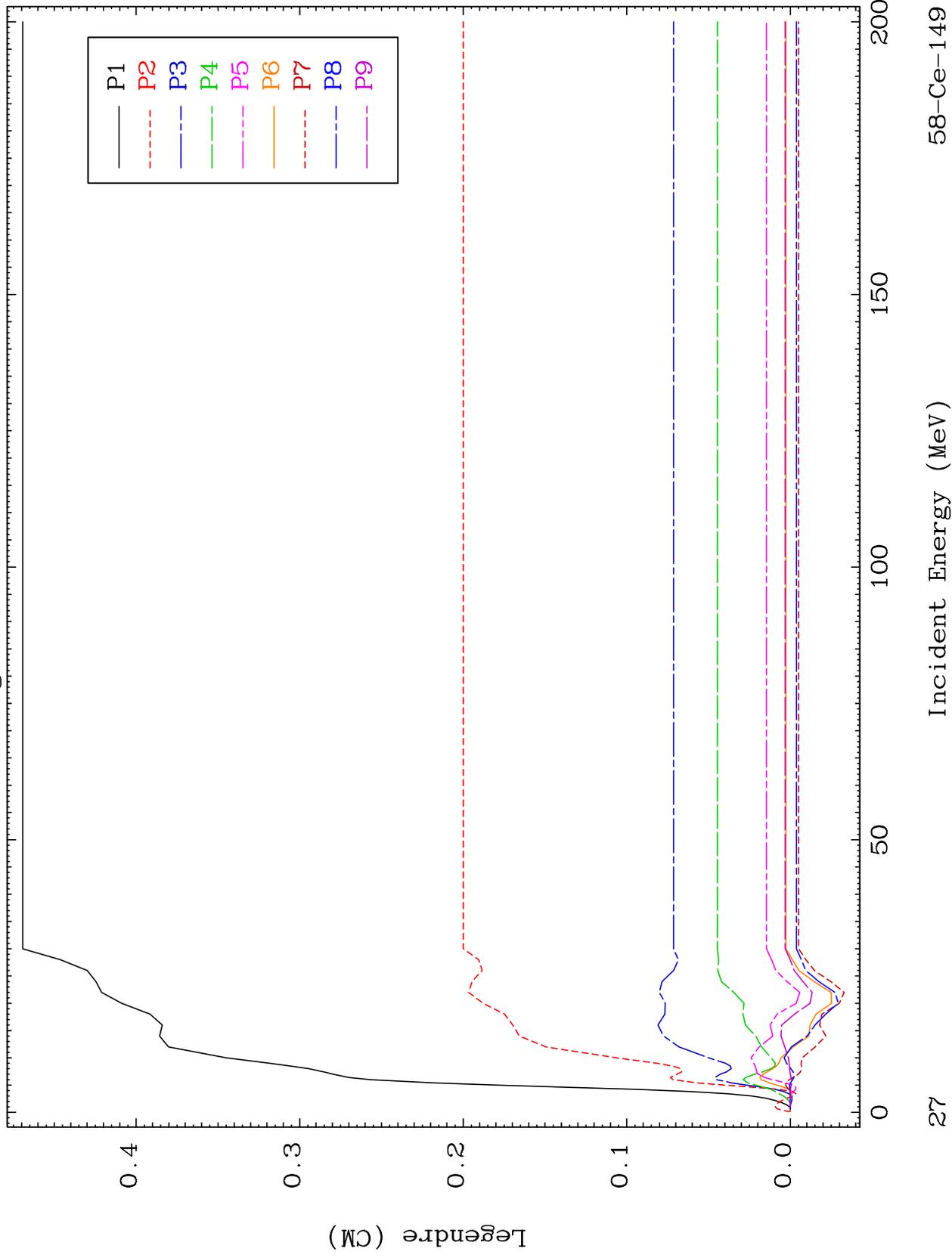
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

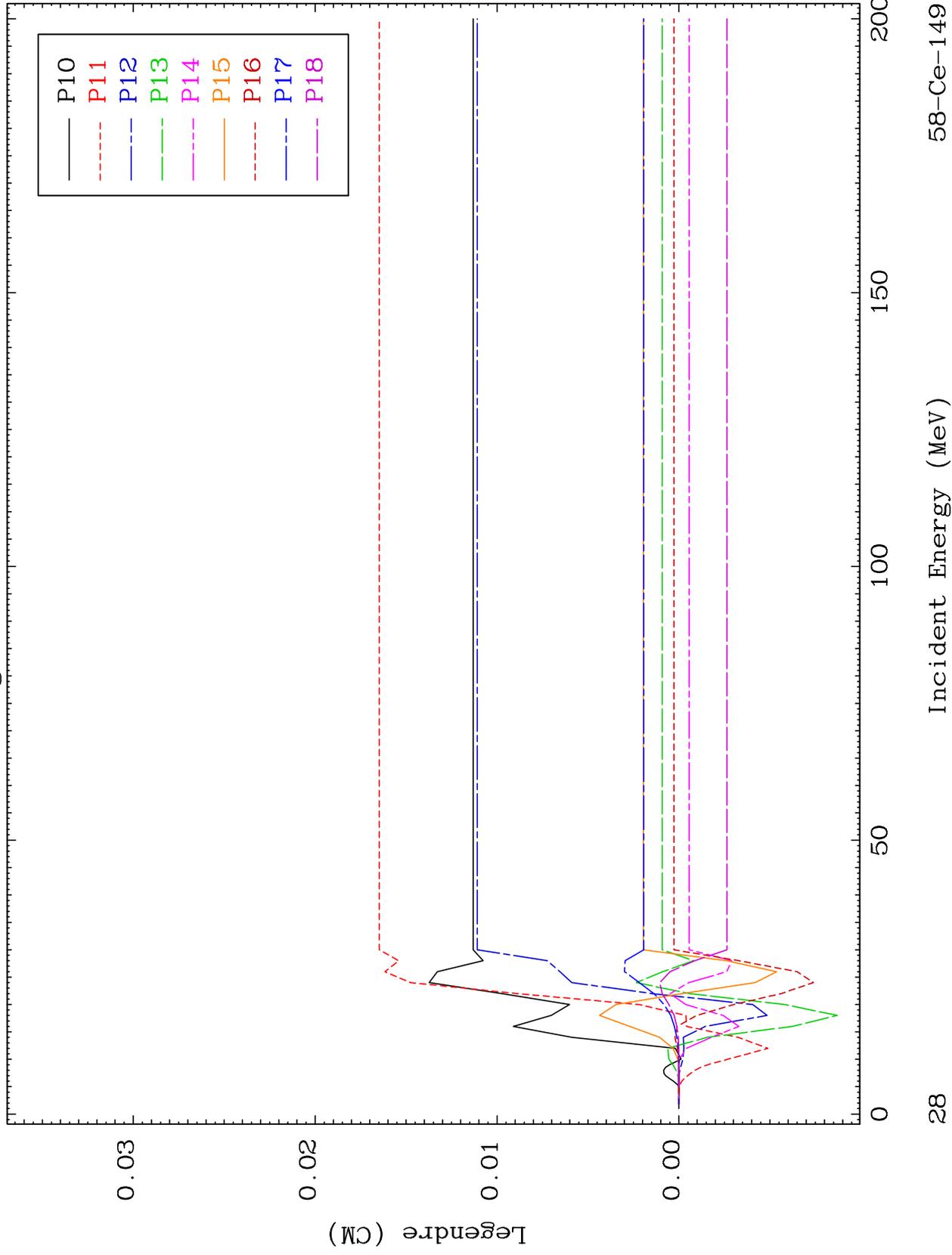
58-Ce-149



MAT 5864

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

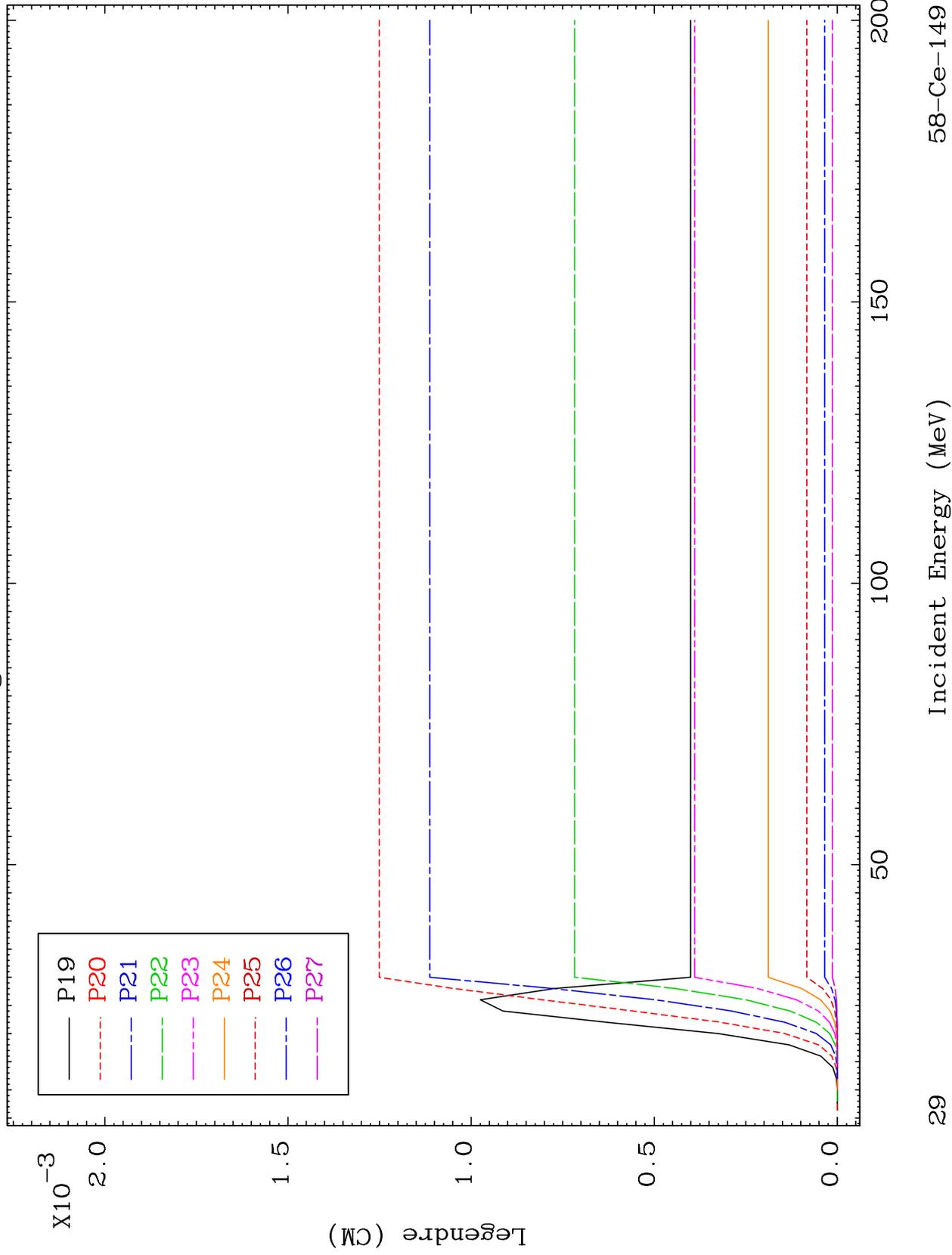
58-Ce-149



MAT 5864

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

58-Ce-149

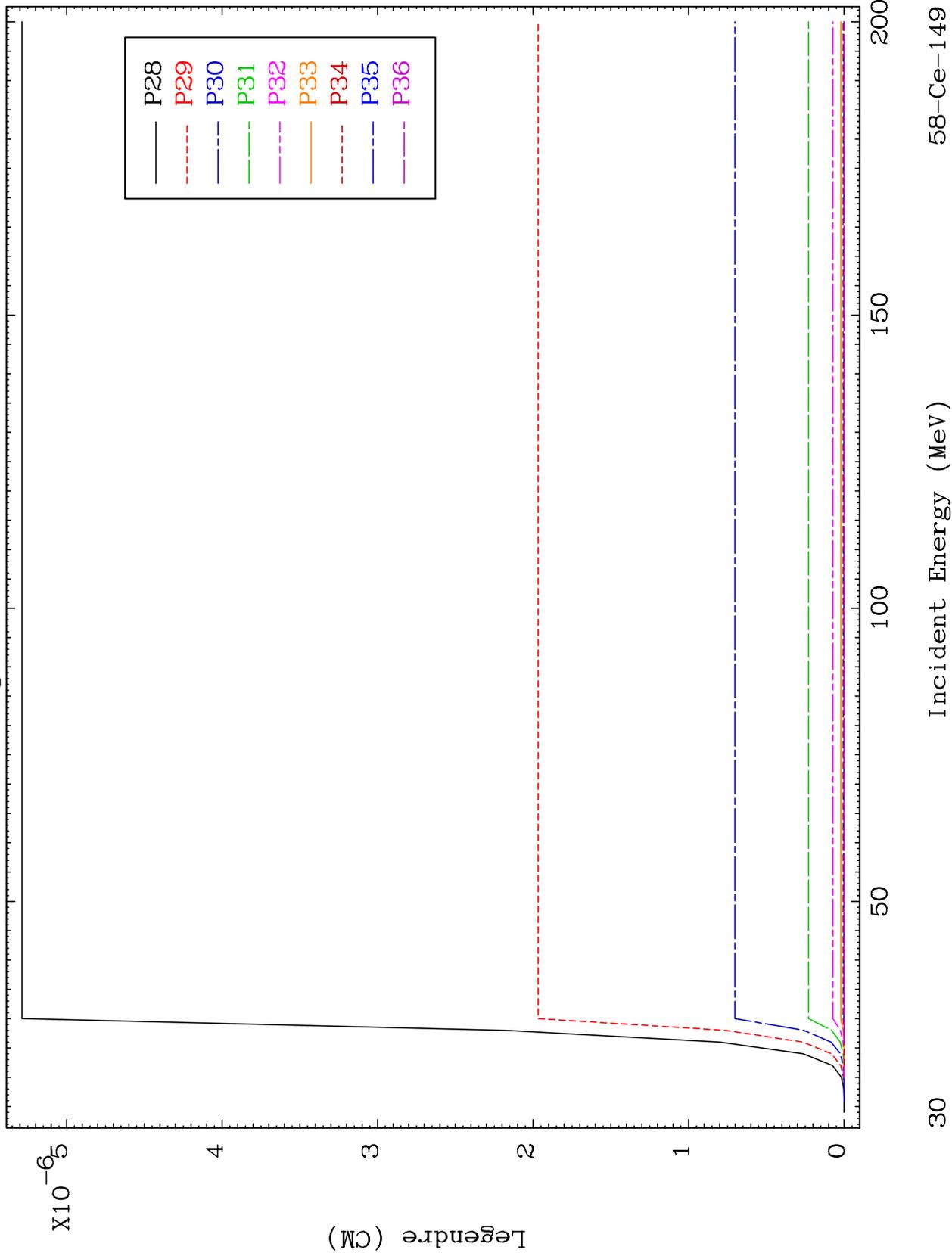


29

MAT 5864

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

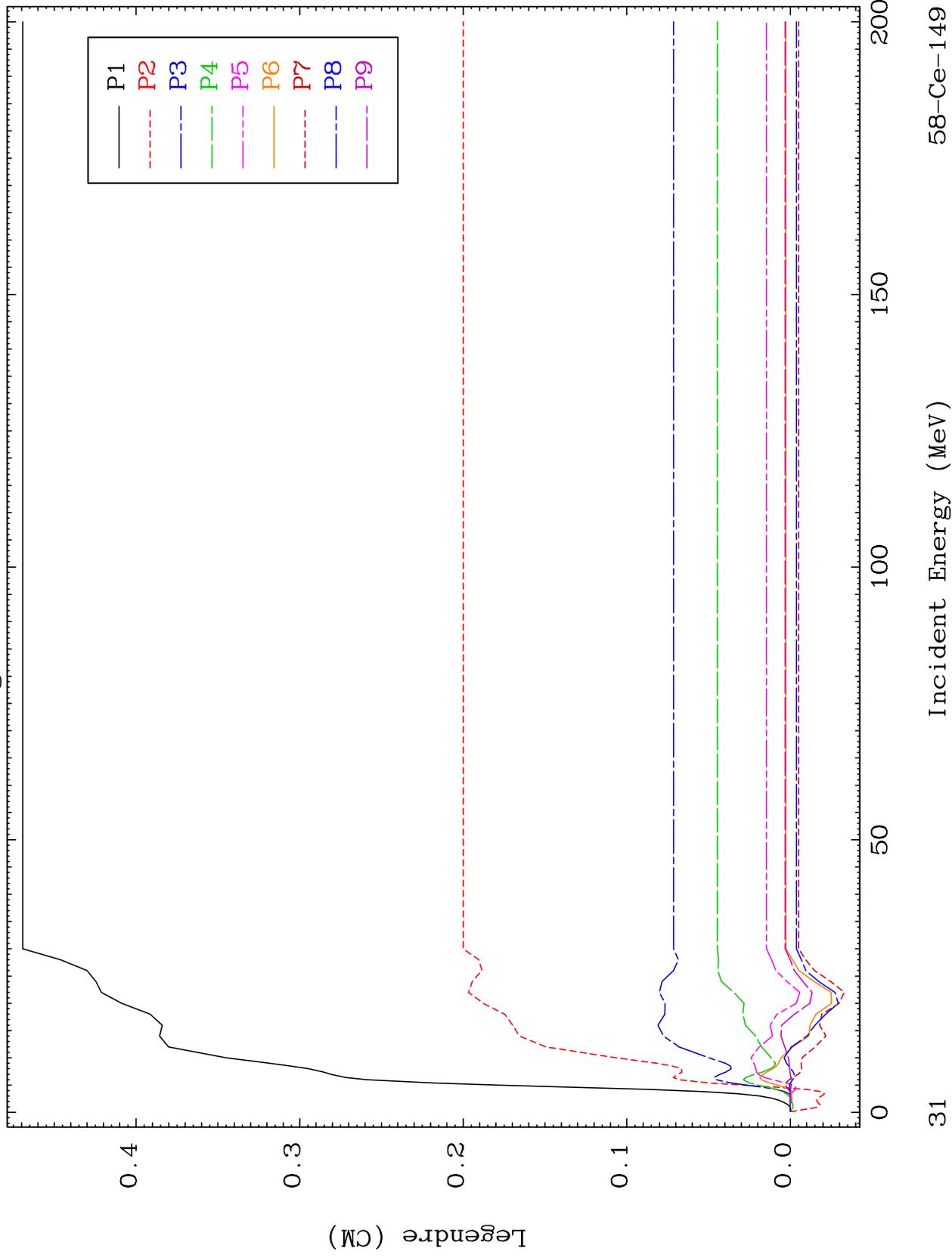
58-Ce-149



MAT 5864

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

58-Ce-149



58-Ce-149

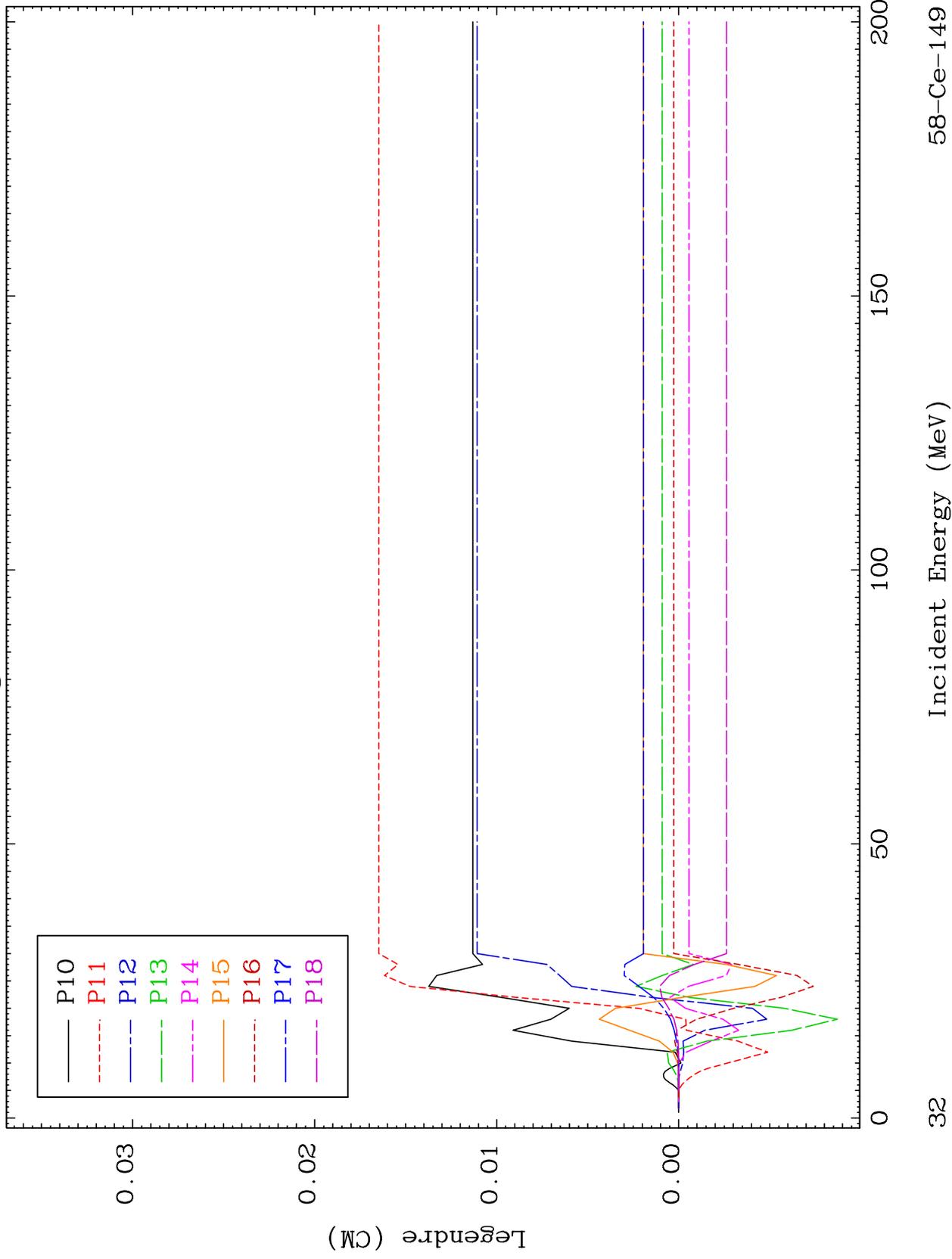
Incident Energy (MeV)

31

MAT 5864

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

58-Ce-149



32

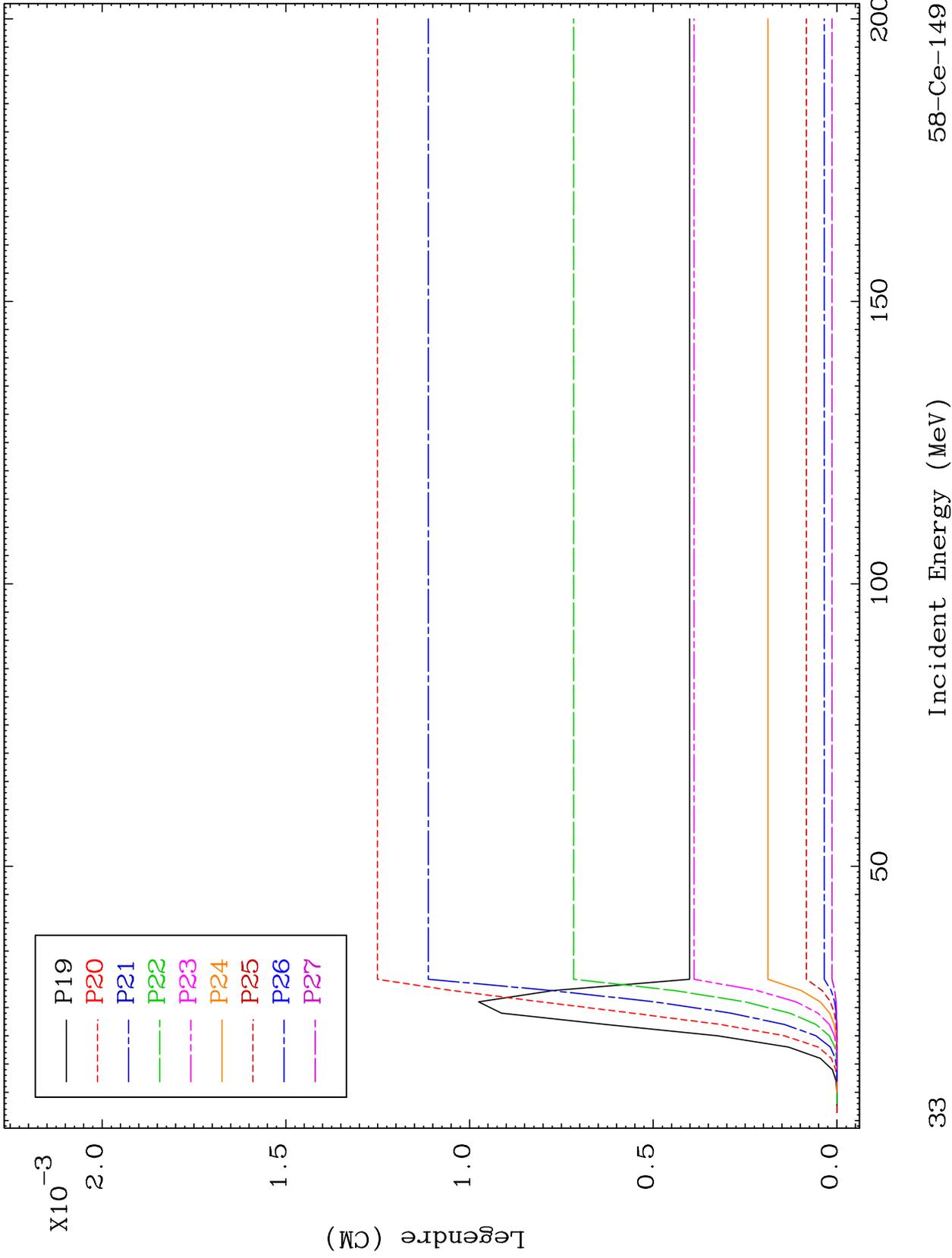
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

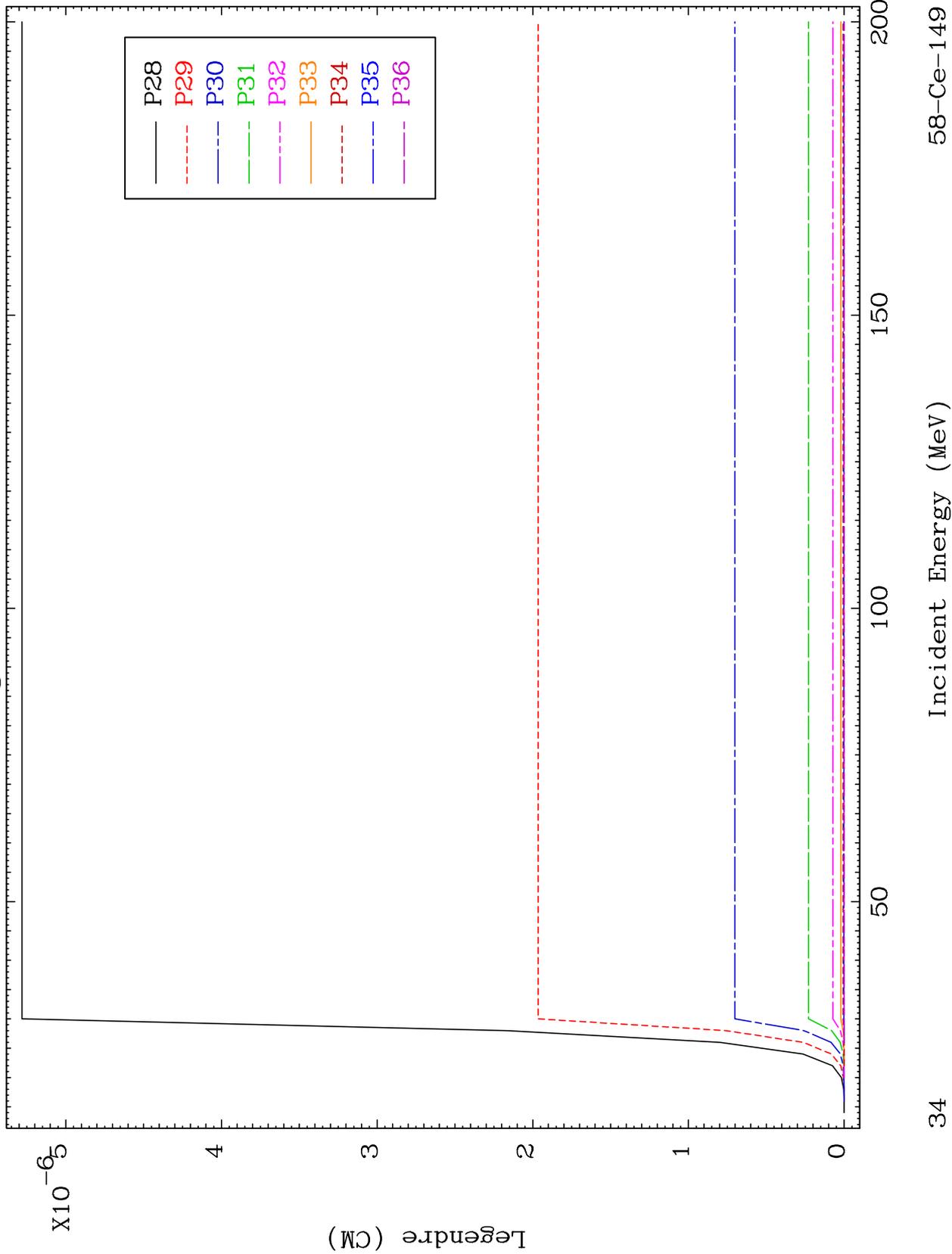
58-Ce-149



MAT 5864

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

58-Ce-149



34

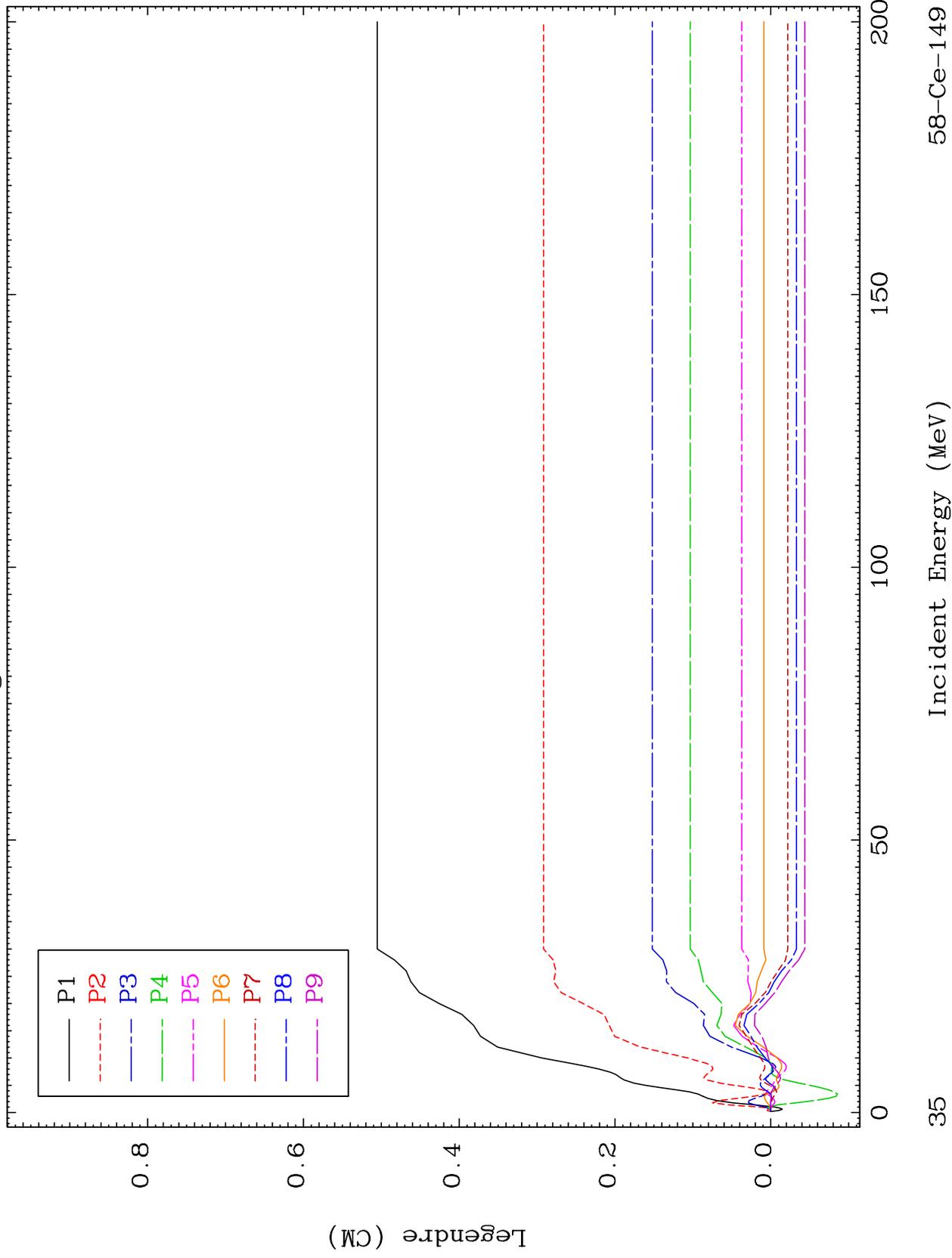
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



58-Ce-149

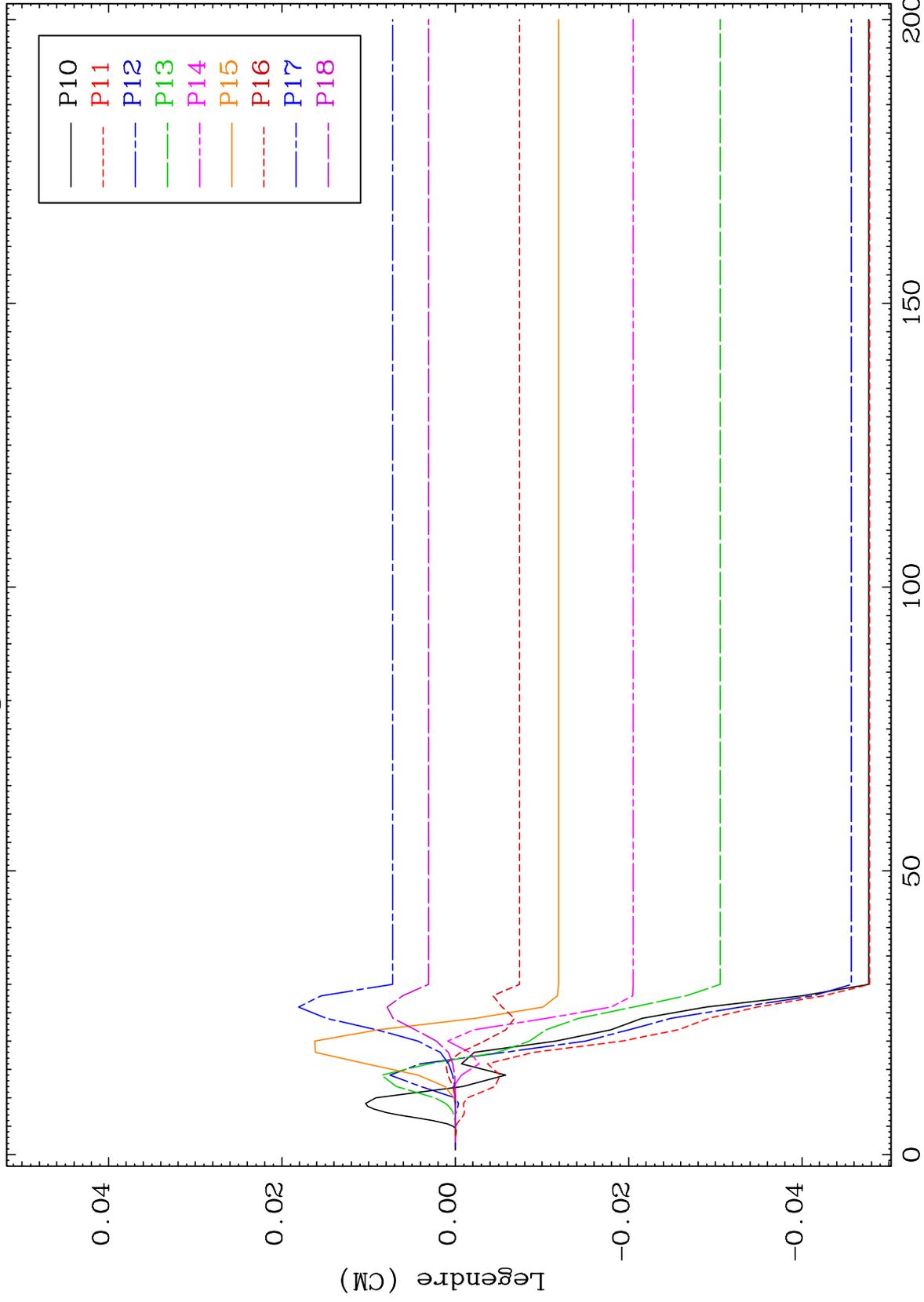
Incident Energy (MeV)

35

MAT 5864

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

58-Ce-149



36

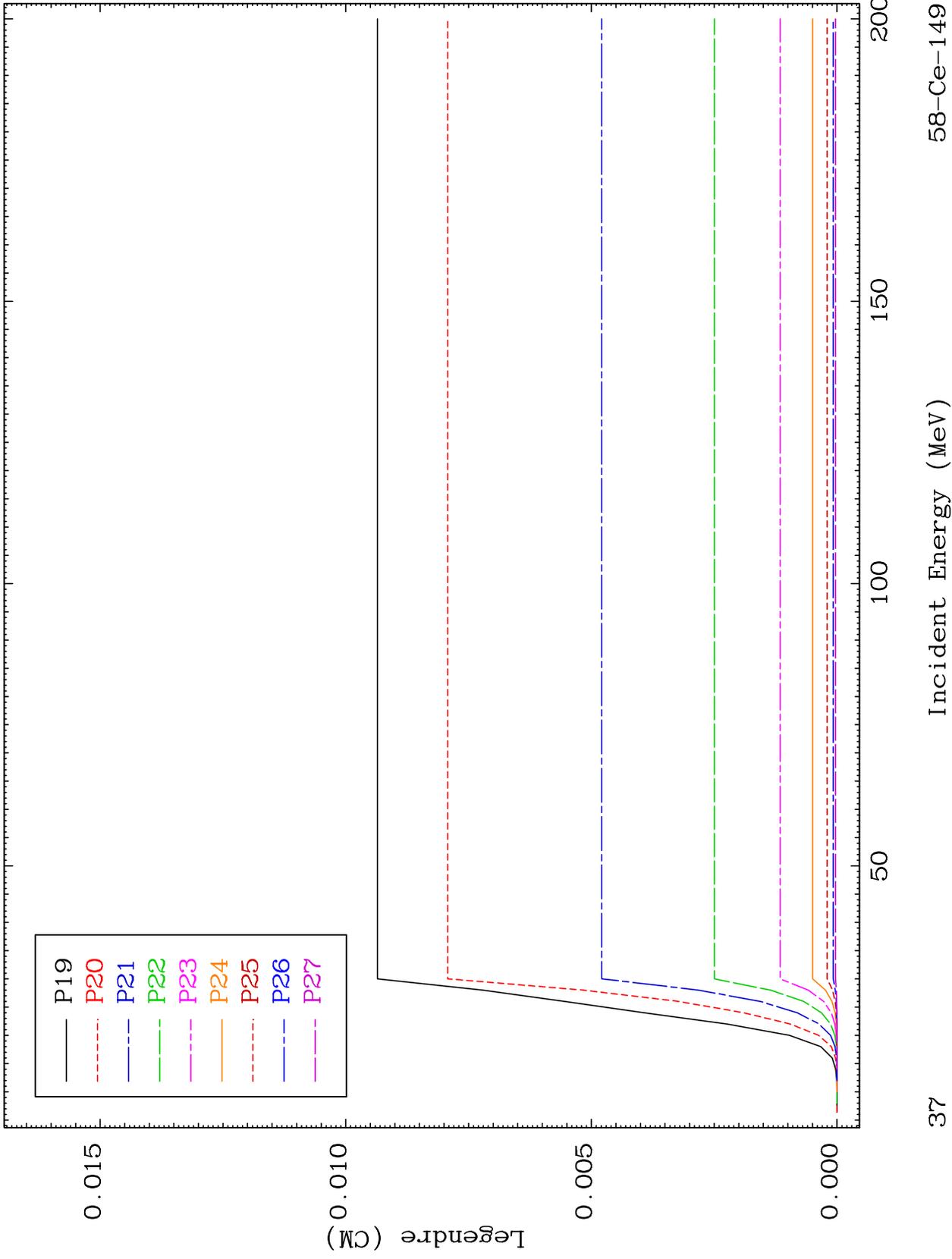
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



37

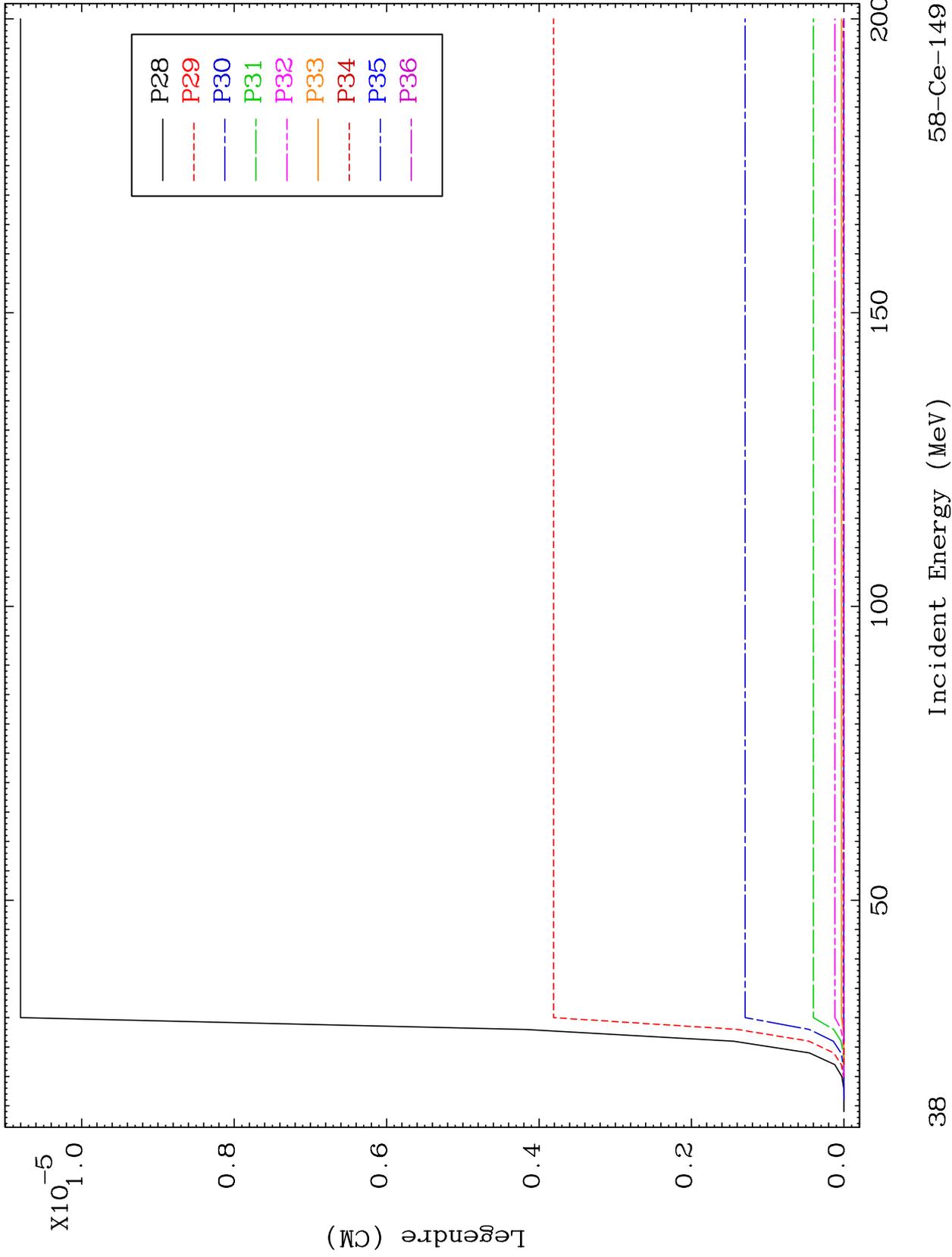
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



38

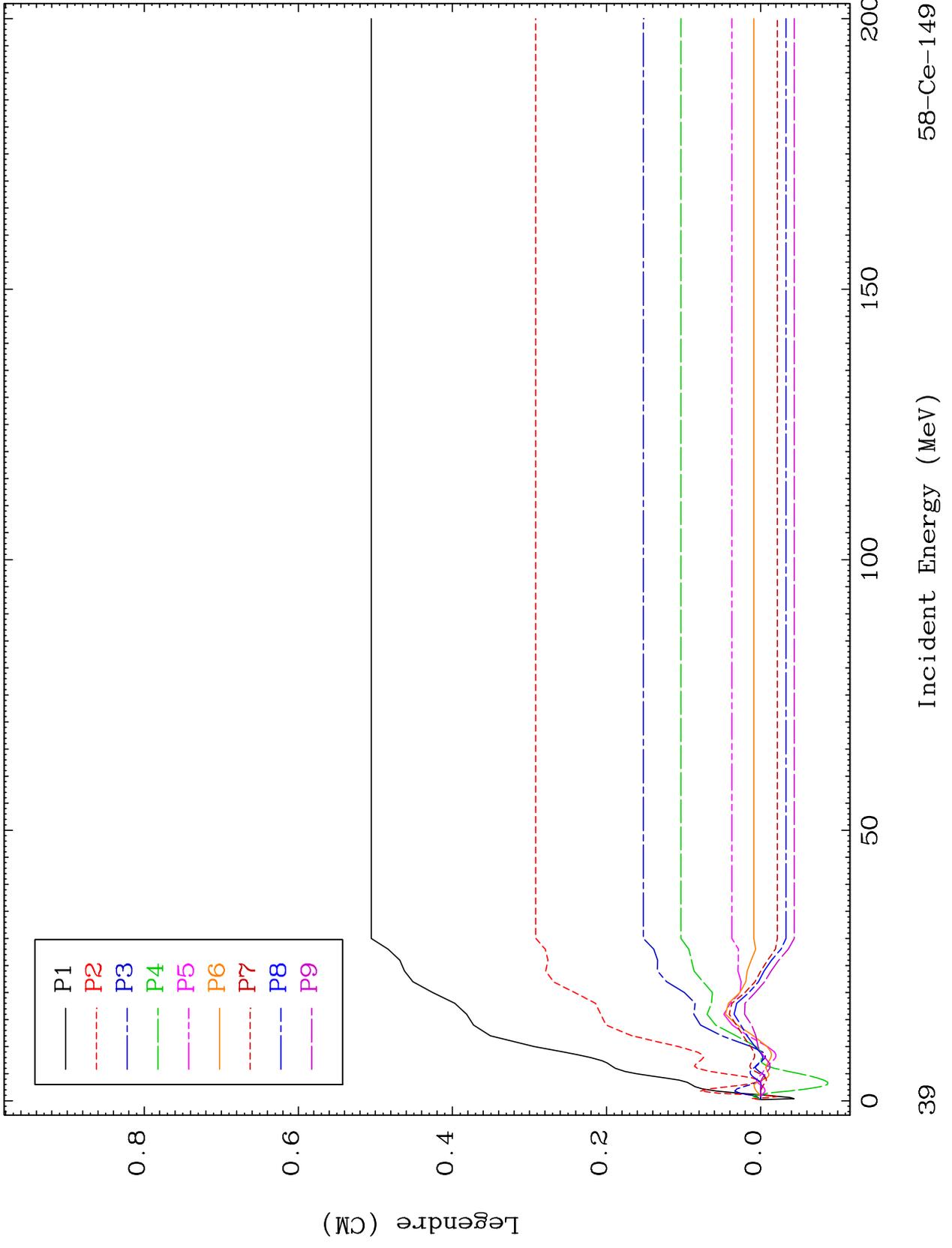
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



39

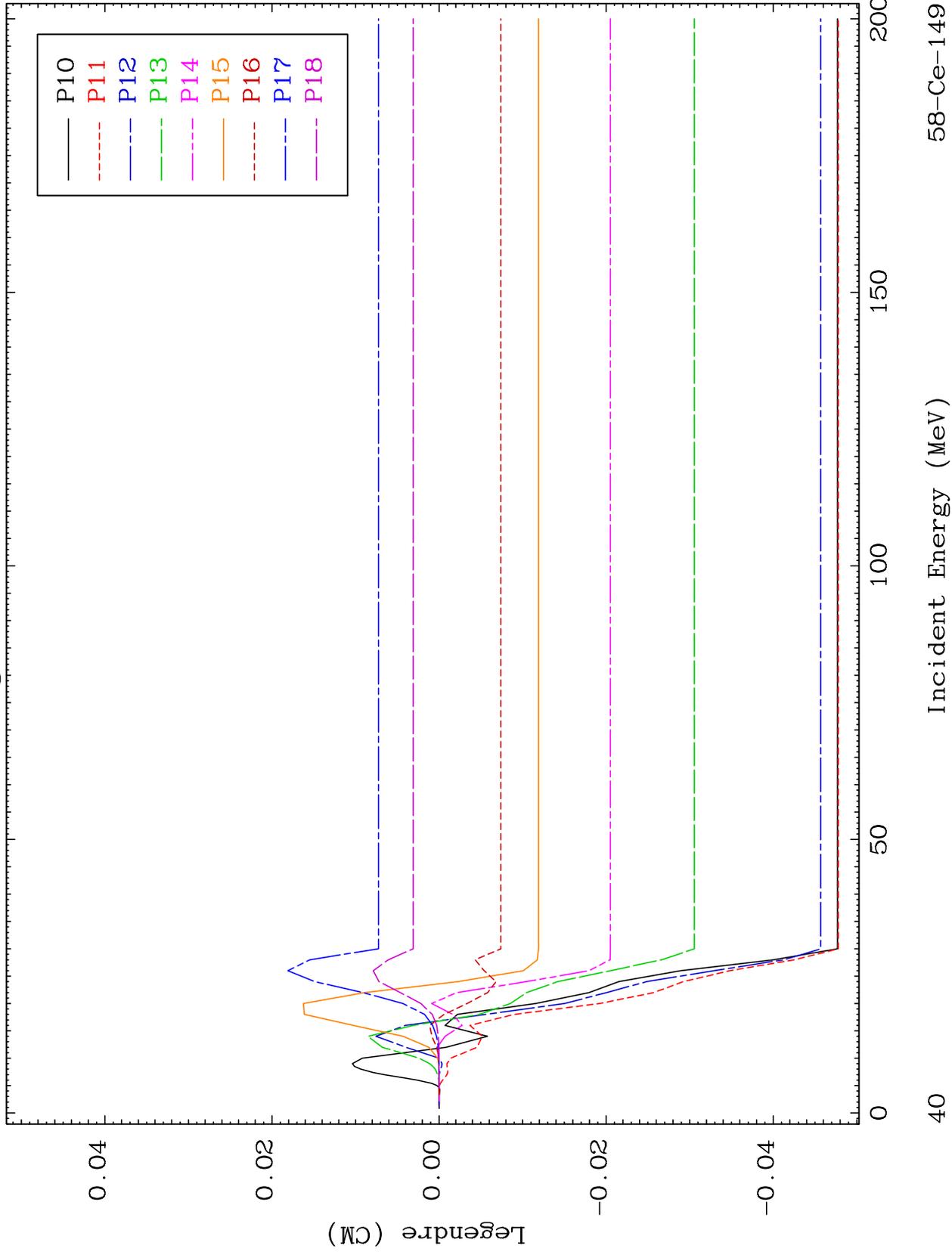
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

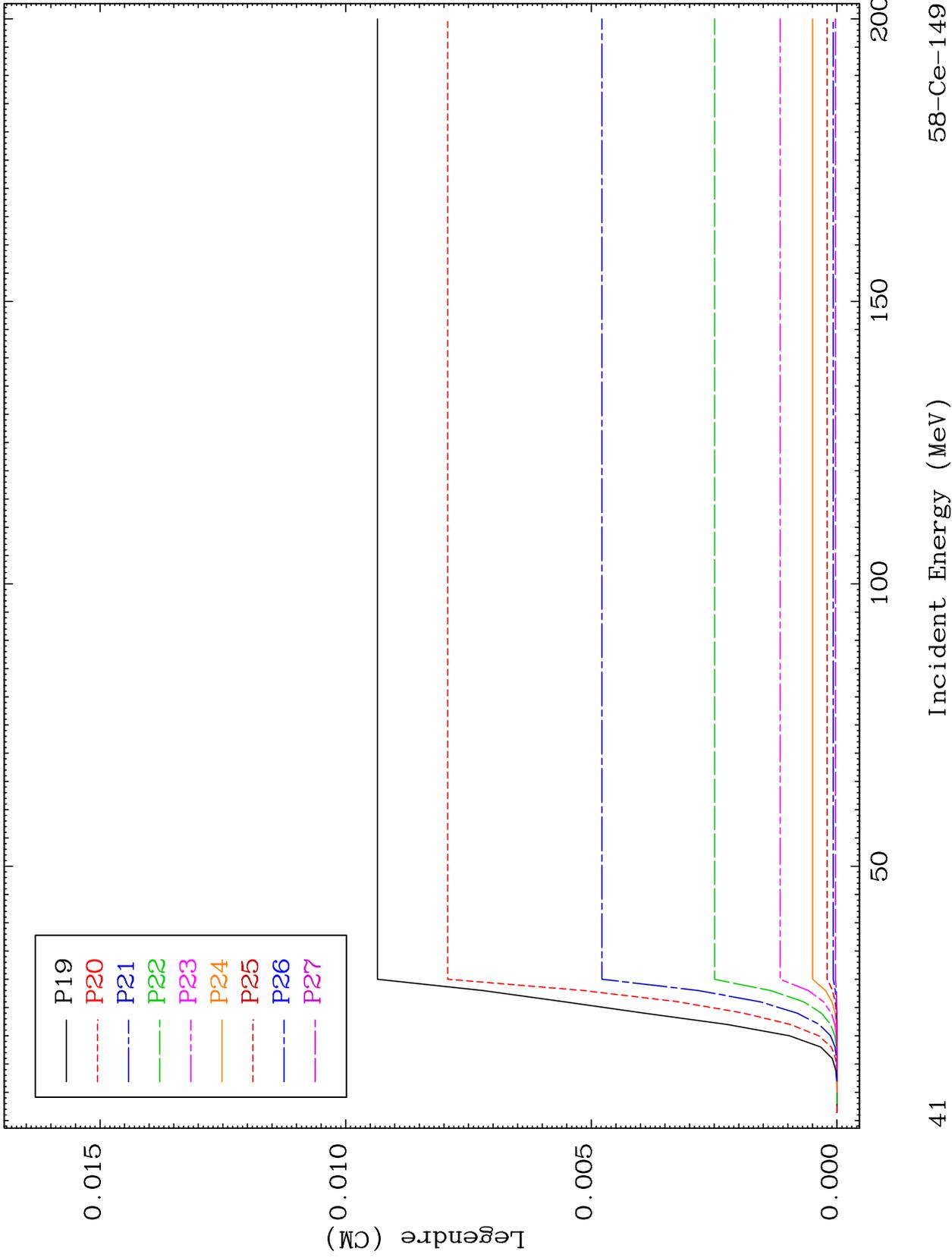
58-Ce-149



MAT 5864

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

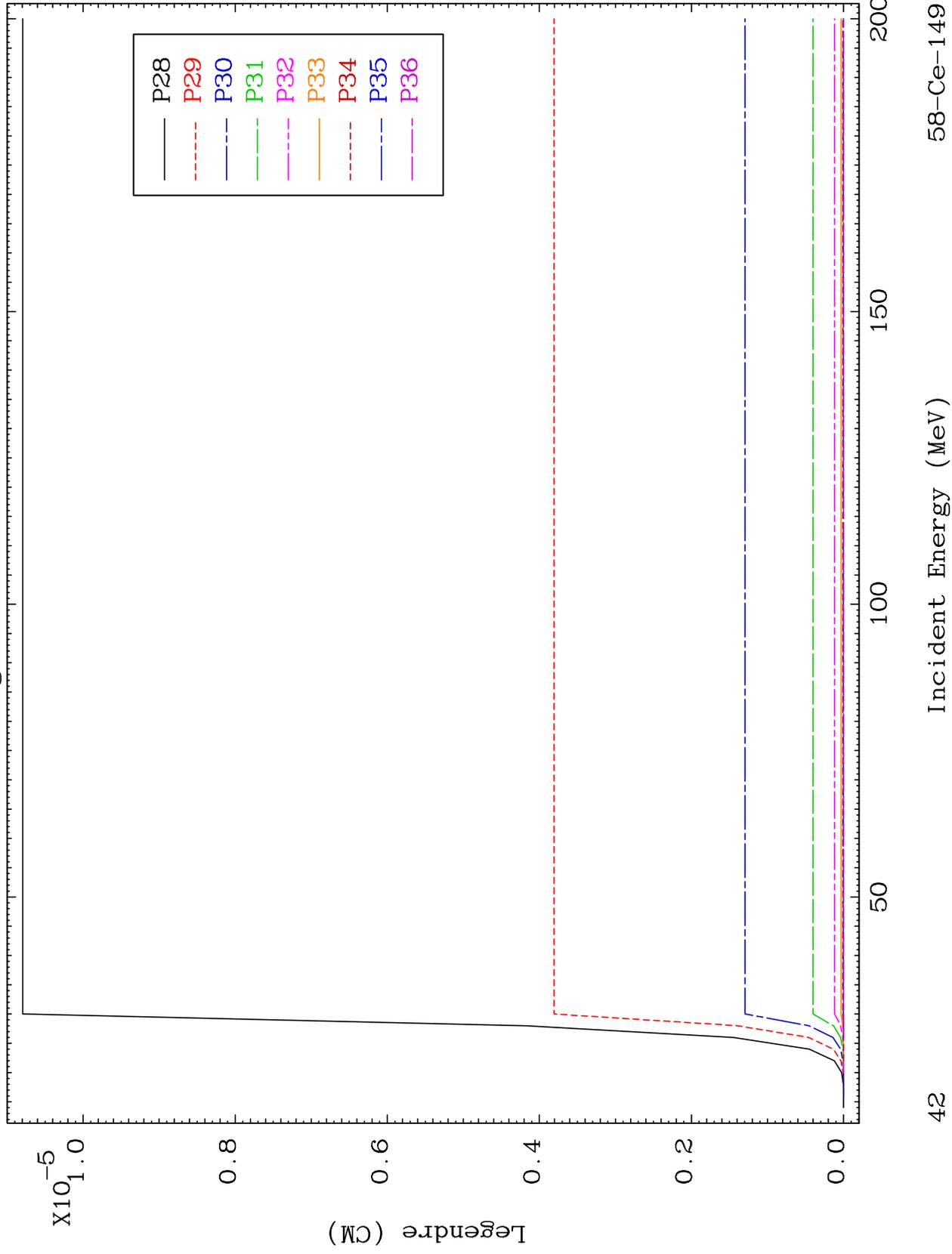
58-Ce-149



MAT 5864

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

58-Ce-149

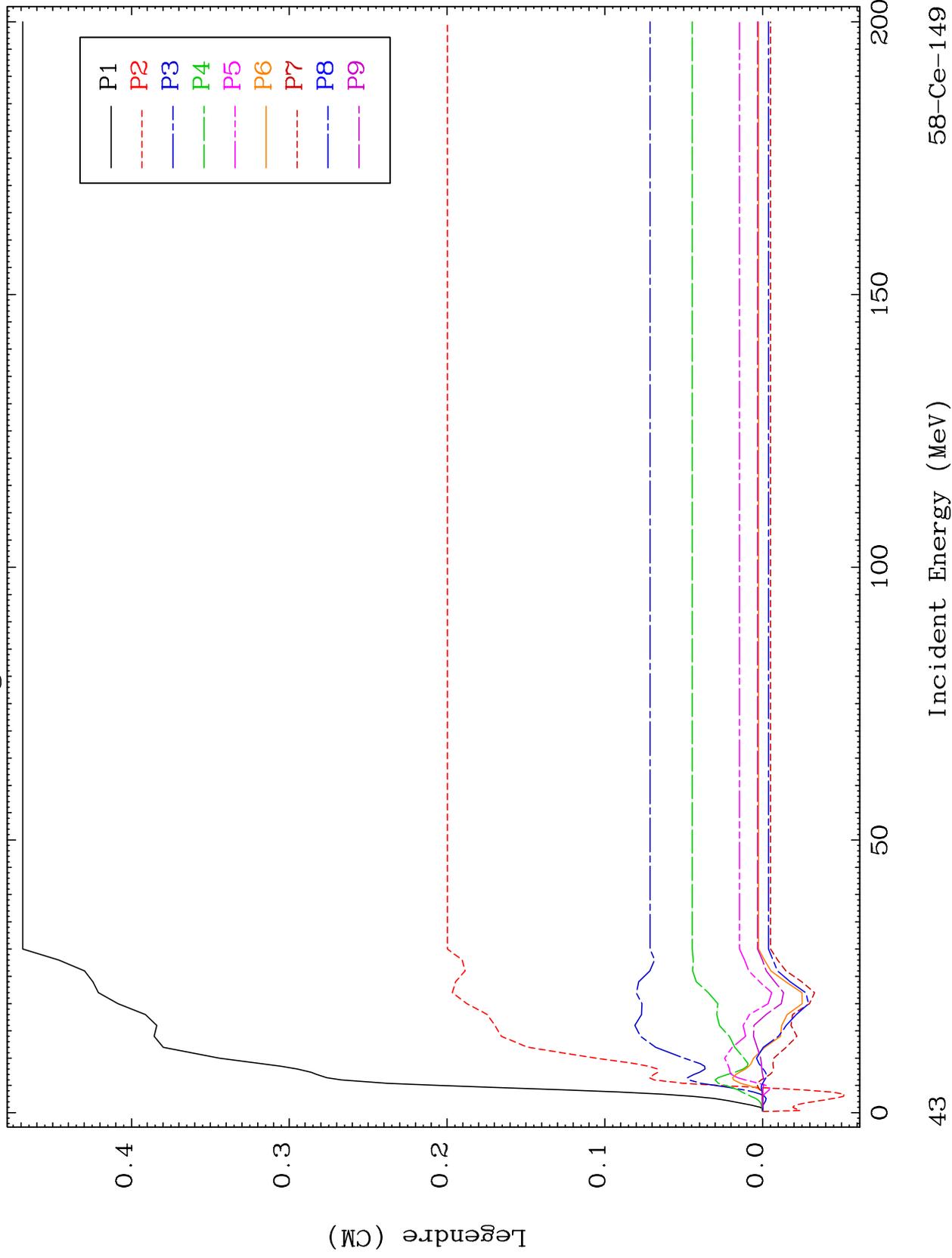


42

MAT 5864

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

58-Ce-149



58-Ce-149

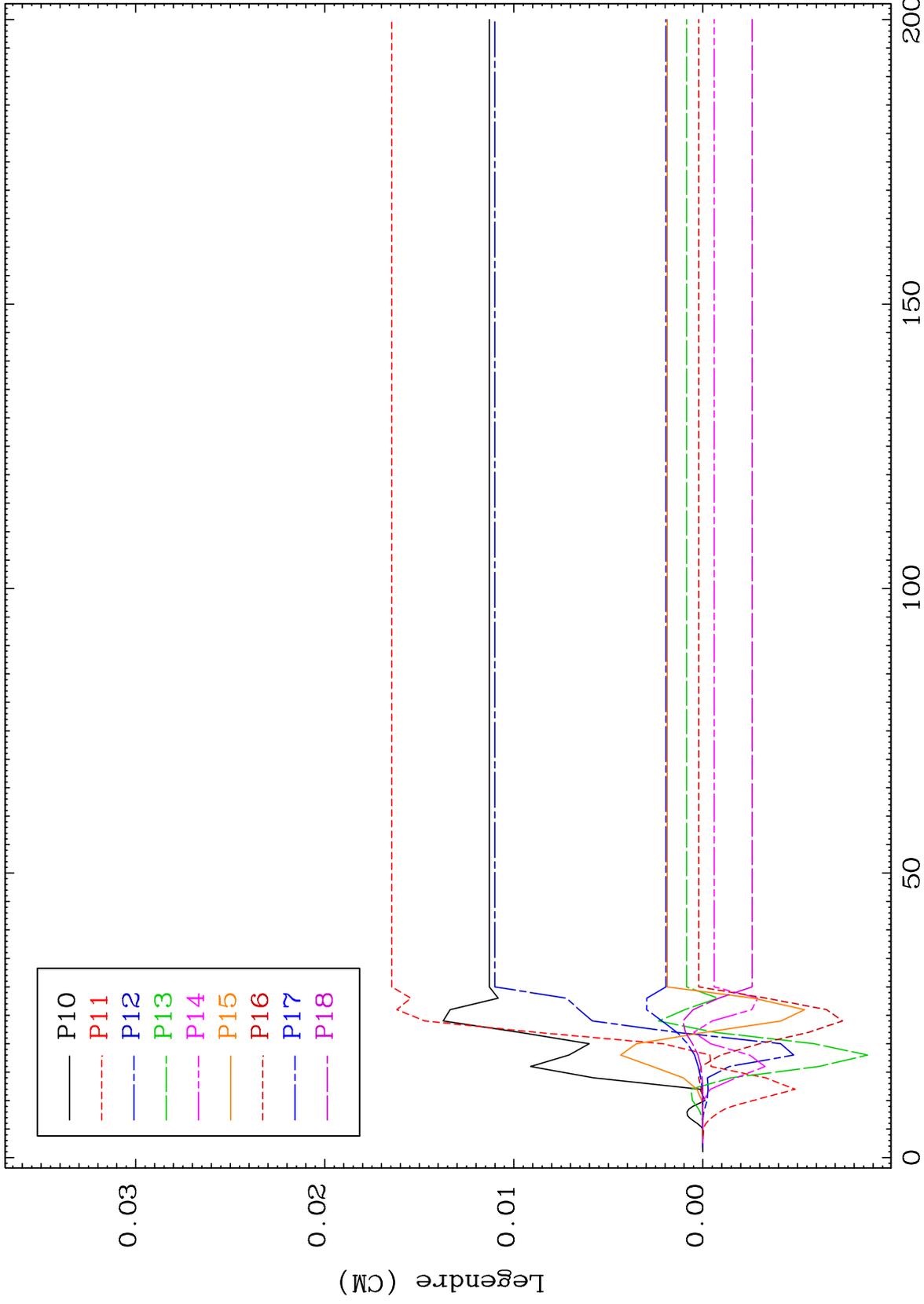
Incident Energy (MeV)

43

MAT 5864

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

58-Ce-149



44

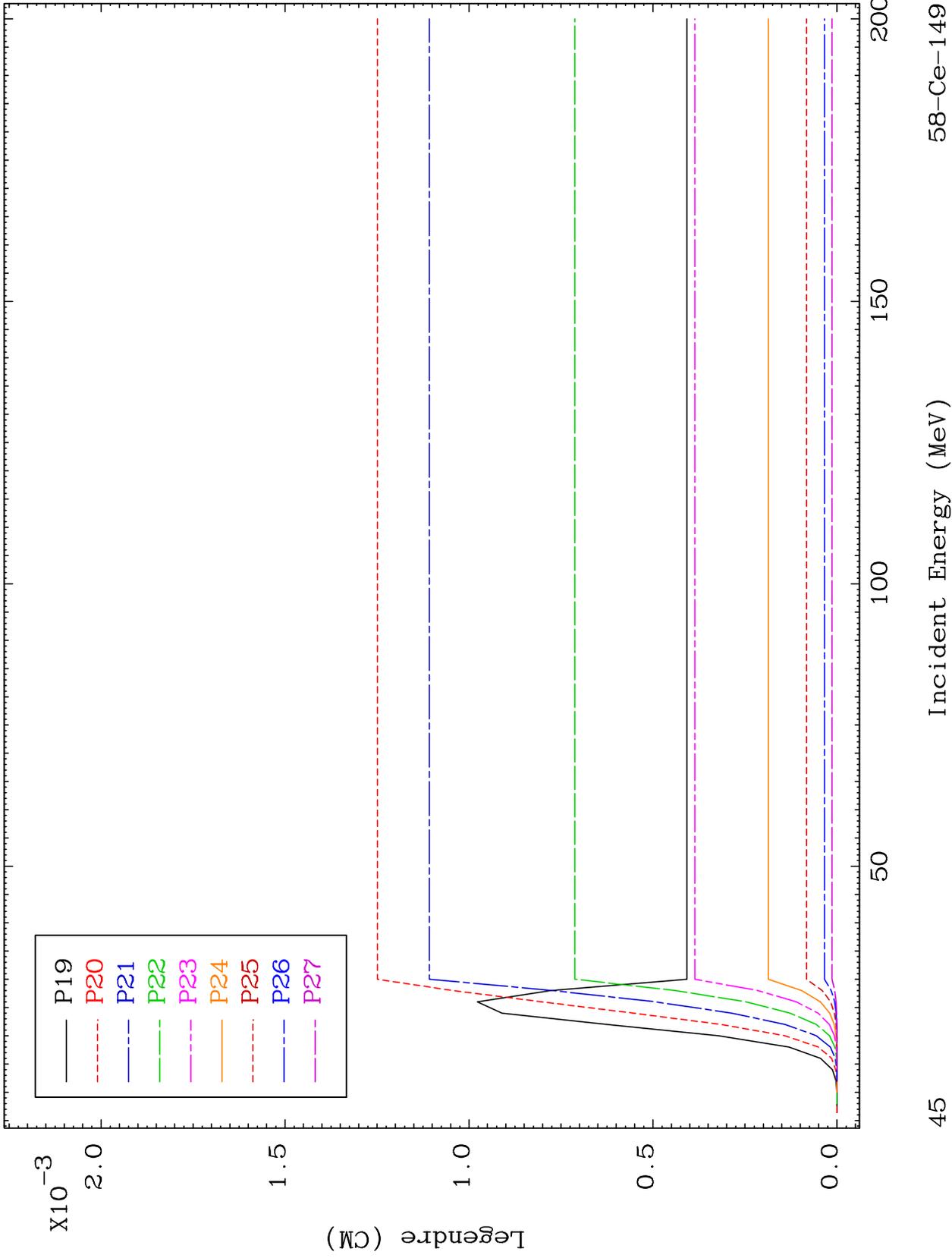
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

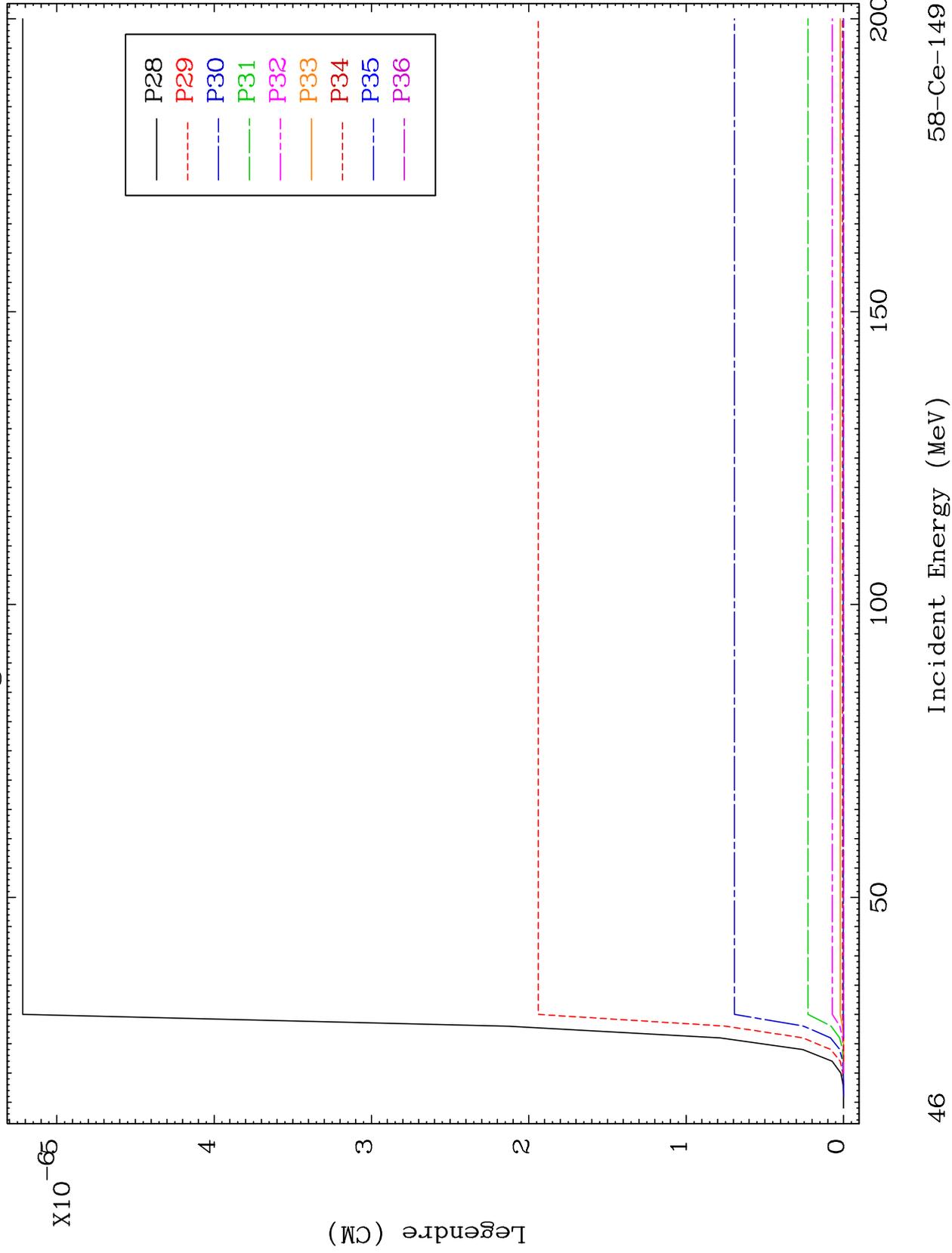
58-Ce-149



MAT 5864

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

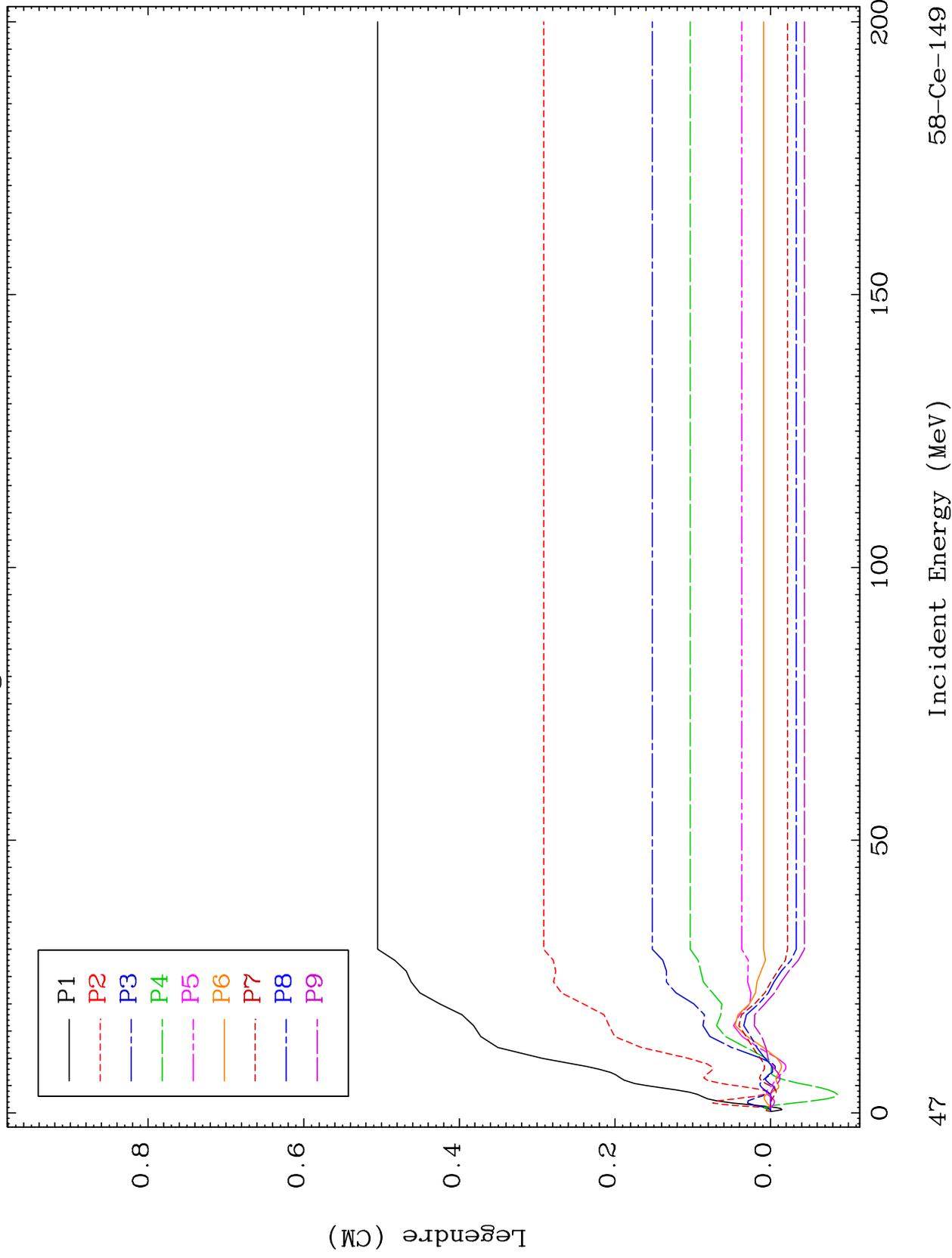
58-Ce-149



MAT 5864

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

58-Ce-149



58-Ce-149

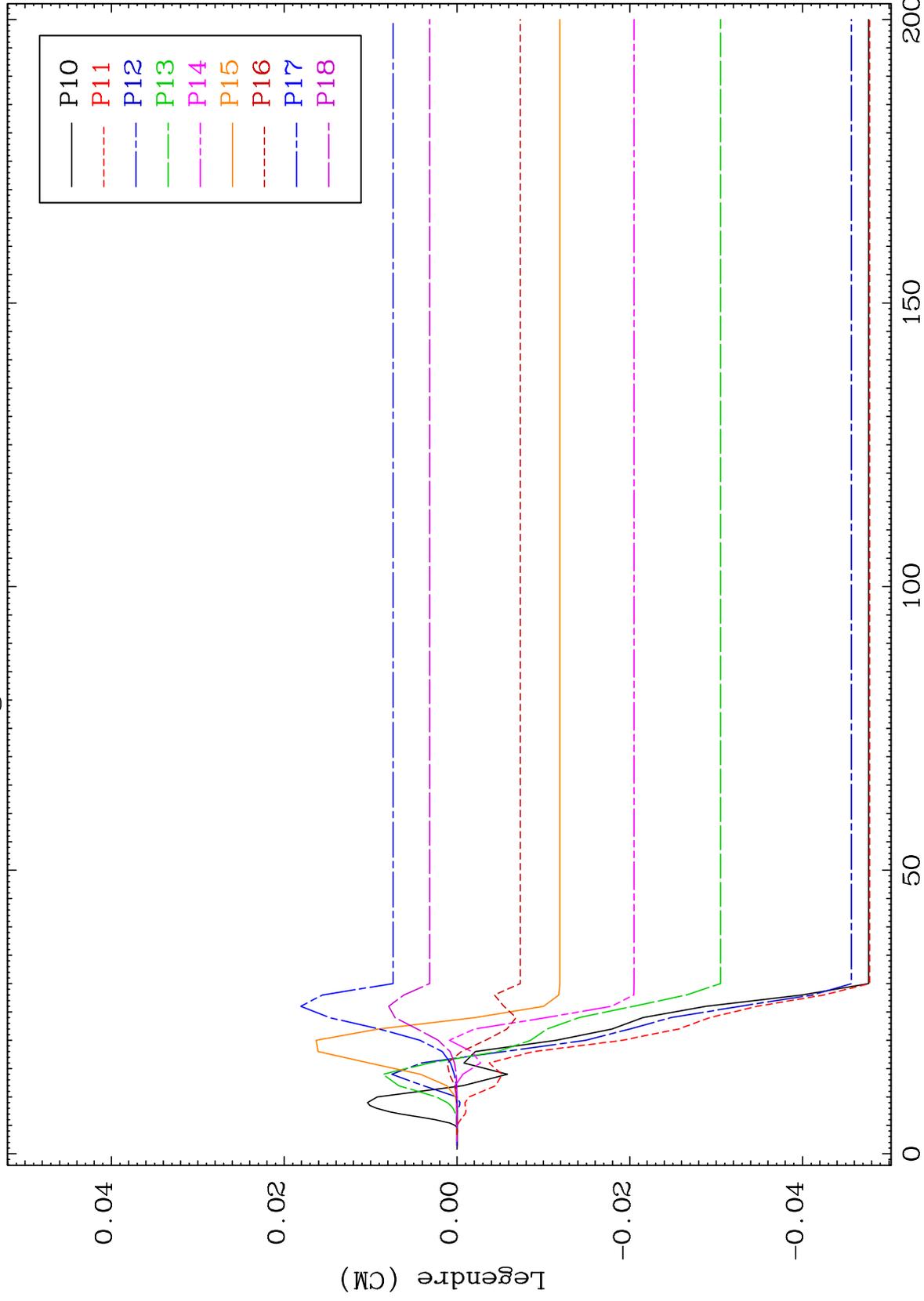
Incident Energy (MeV)

47

MAT 5864

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

58-Ce-149



48

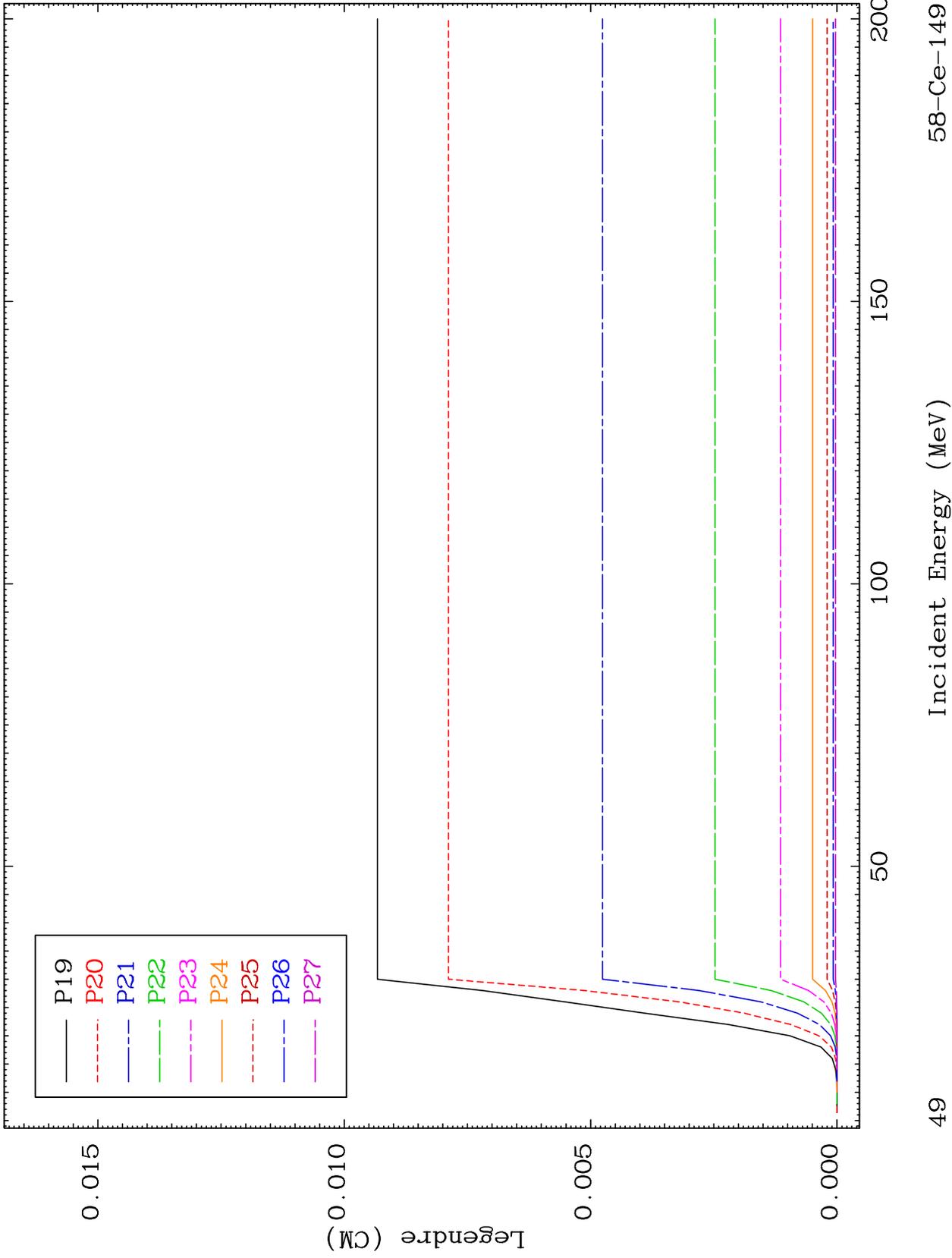
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



49

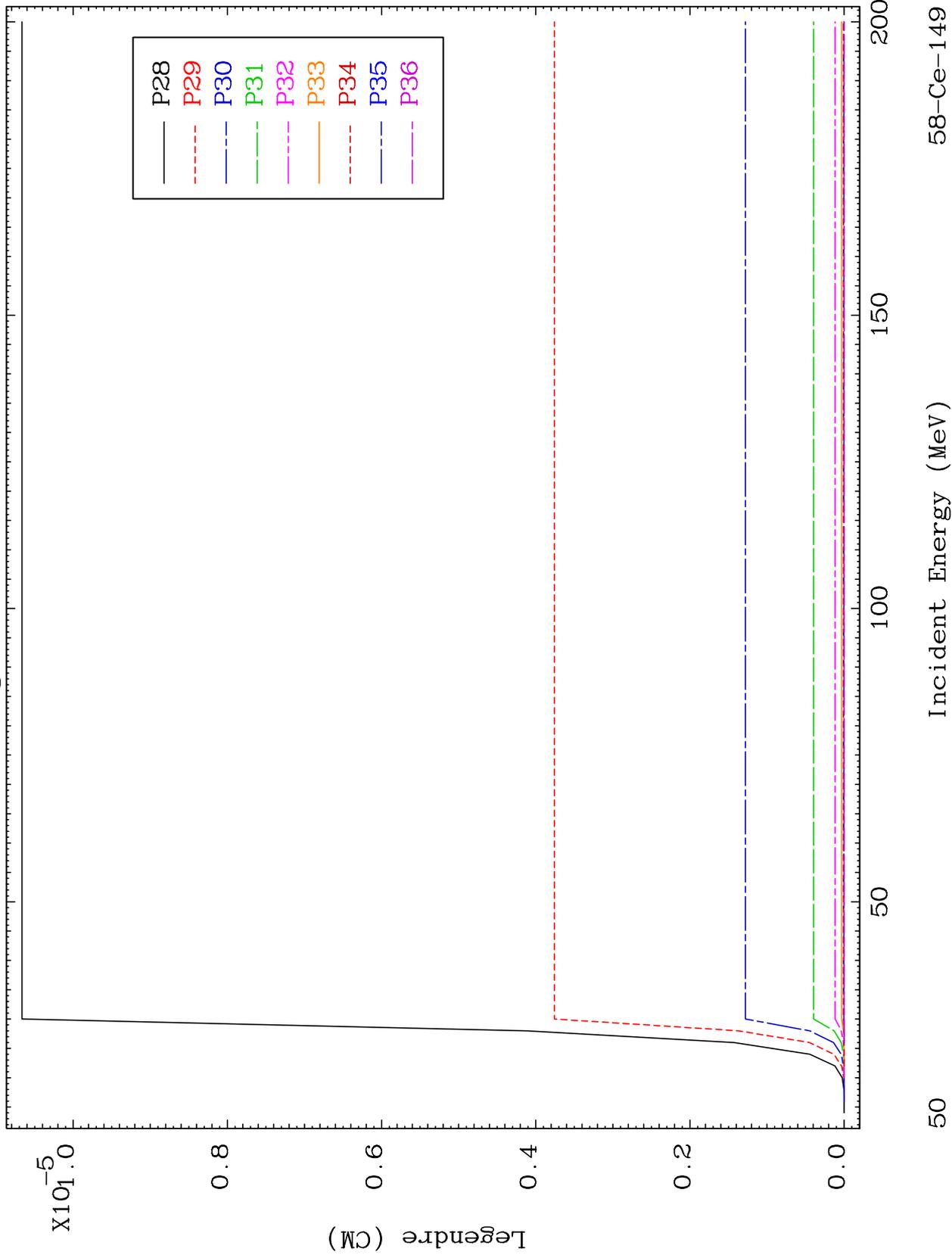
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

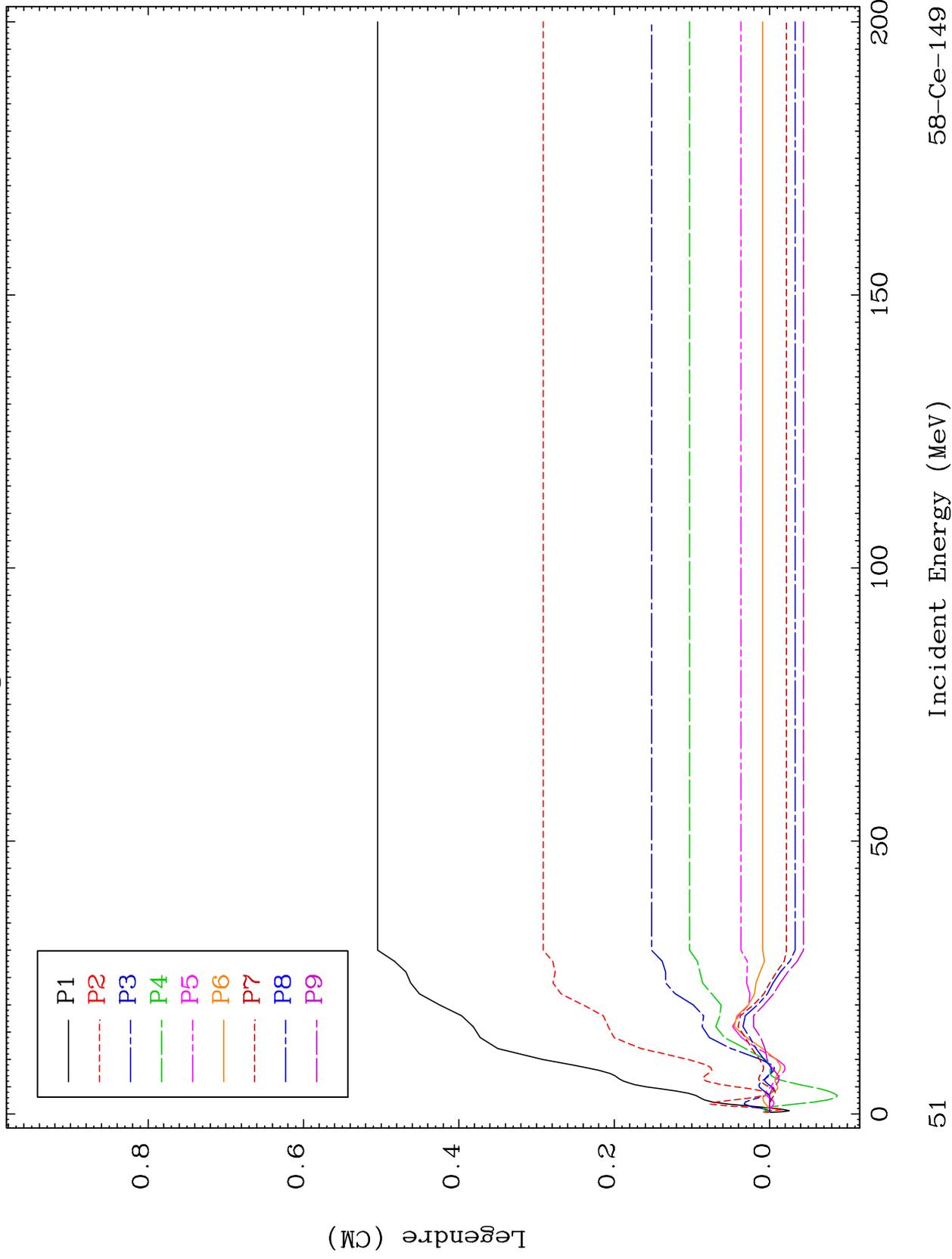
58-Ce-149



MAT 5864

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

58-Ce-149



58-Ce-149

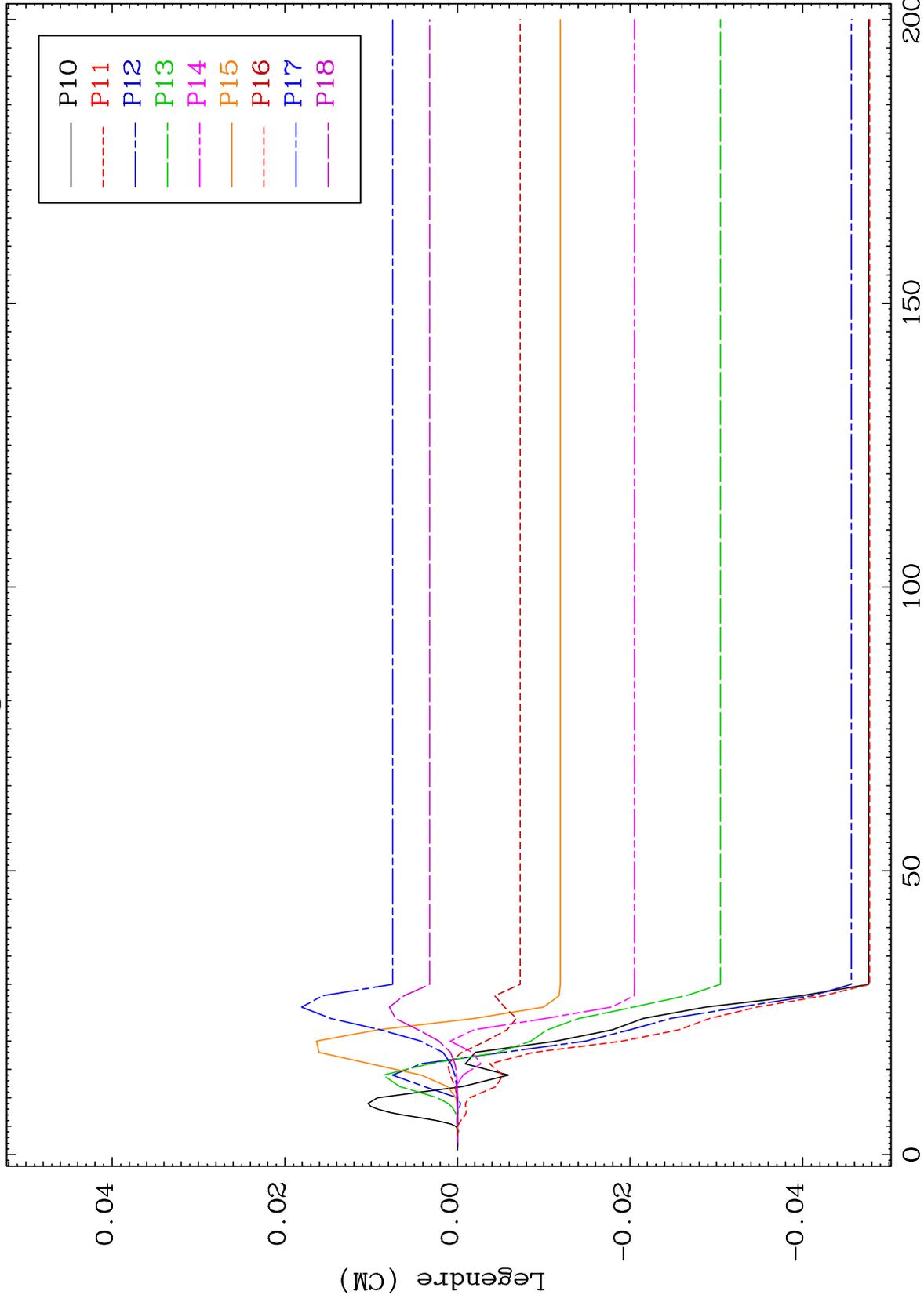
Incident Energy (MeV)

51

MAT 5864

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

58-Ce-149



52

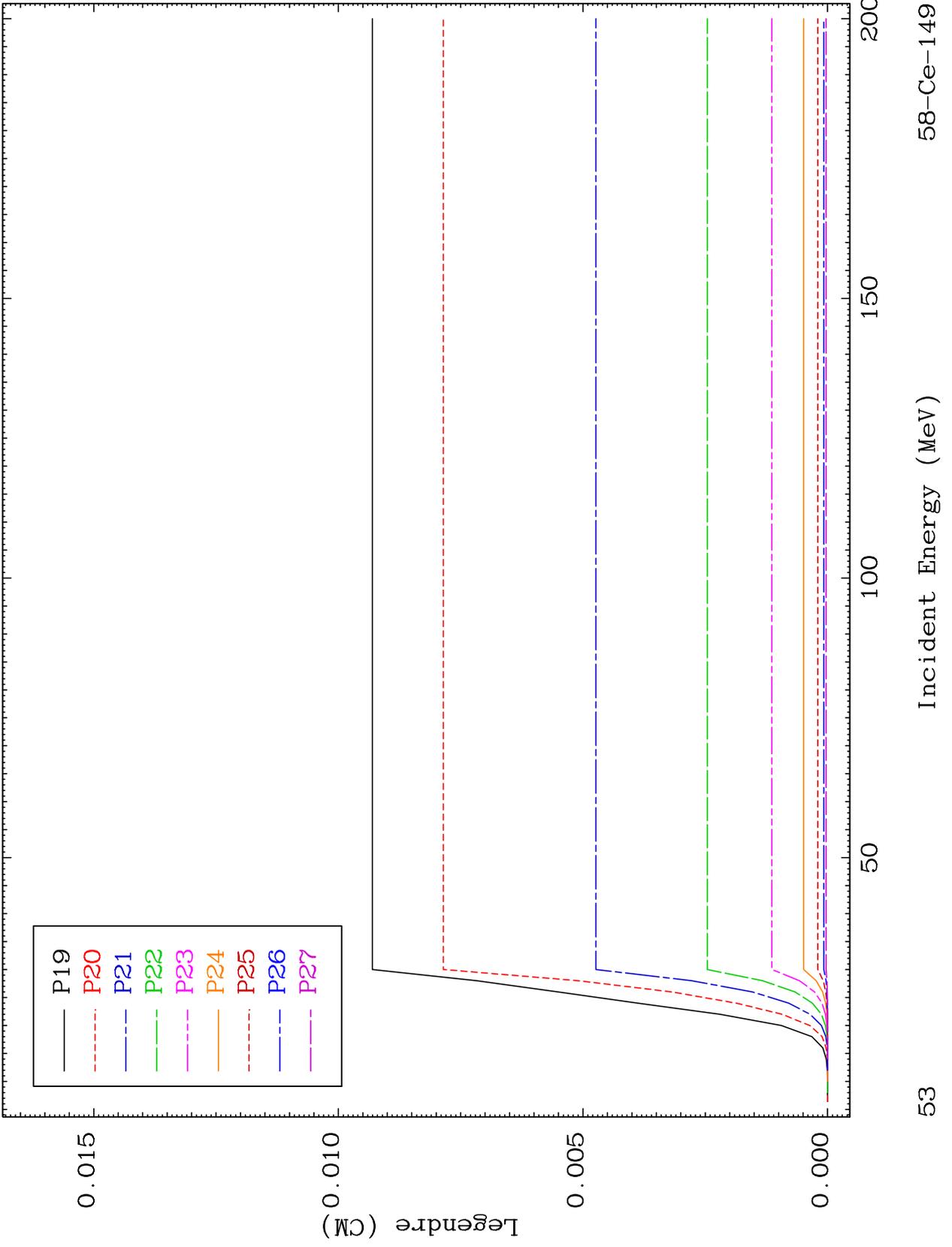
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



53

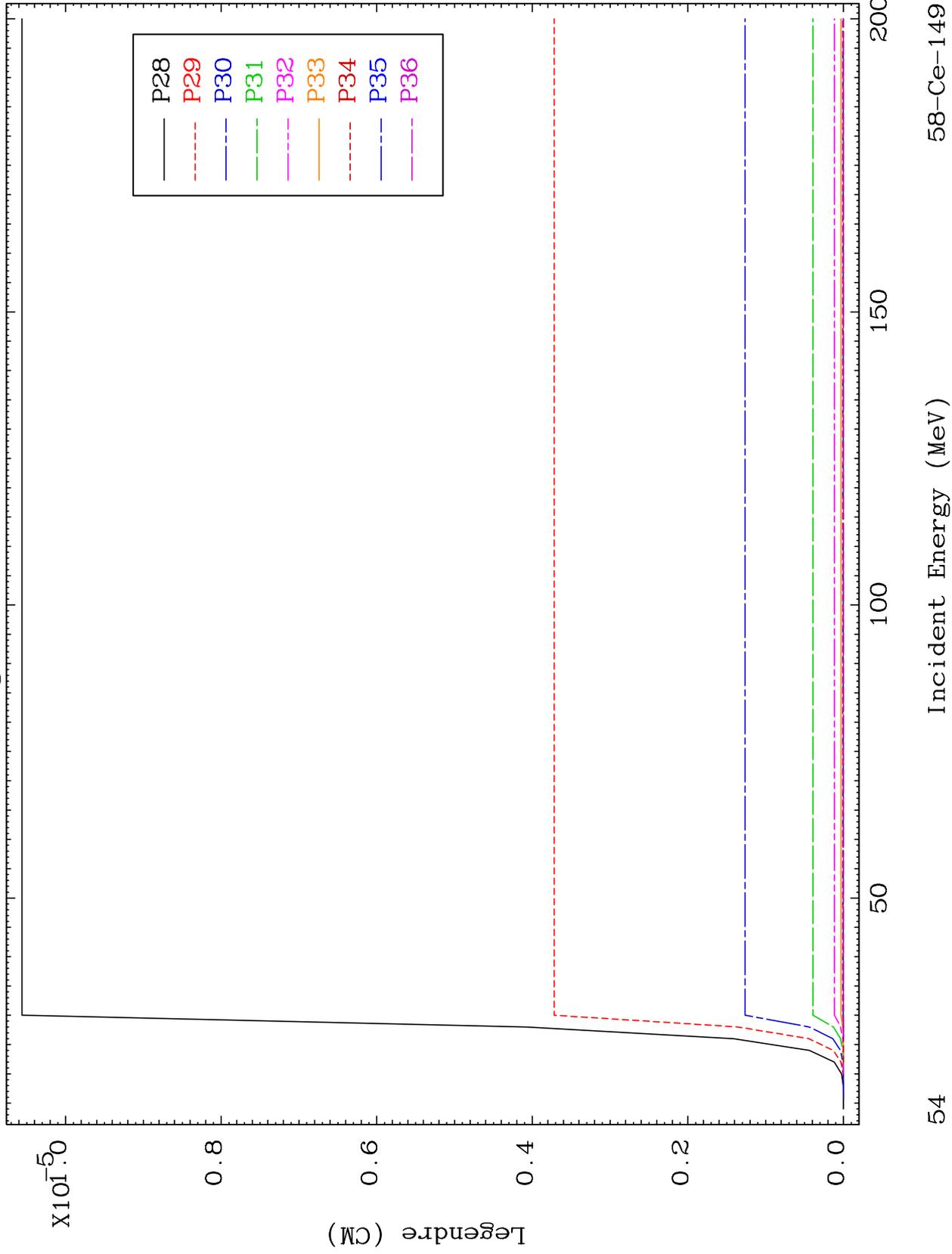
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149

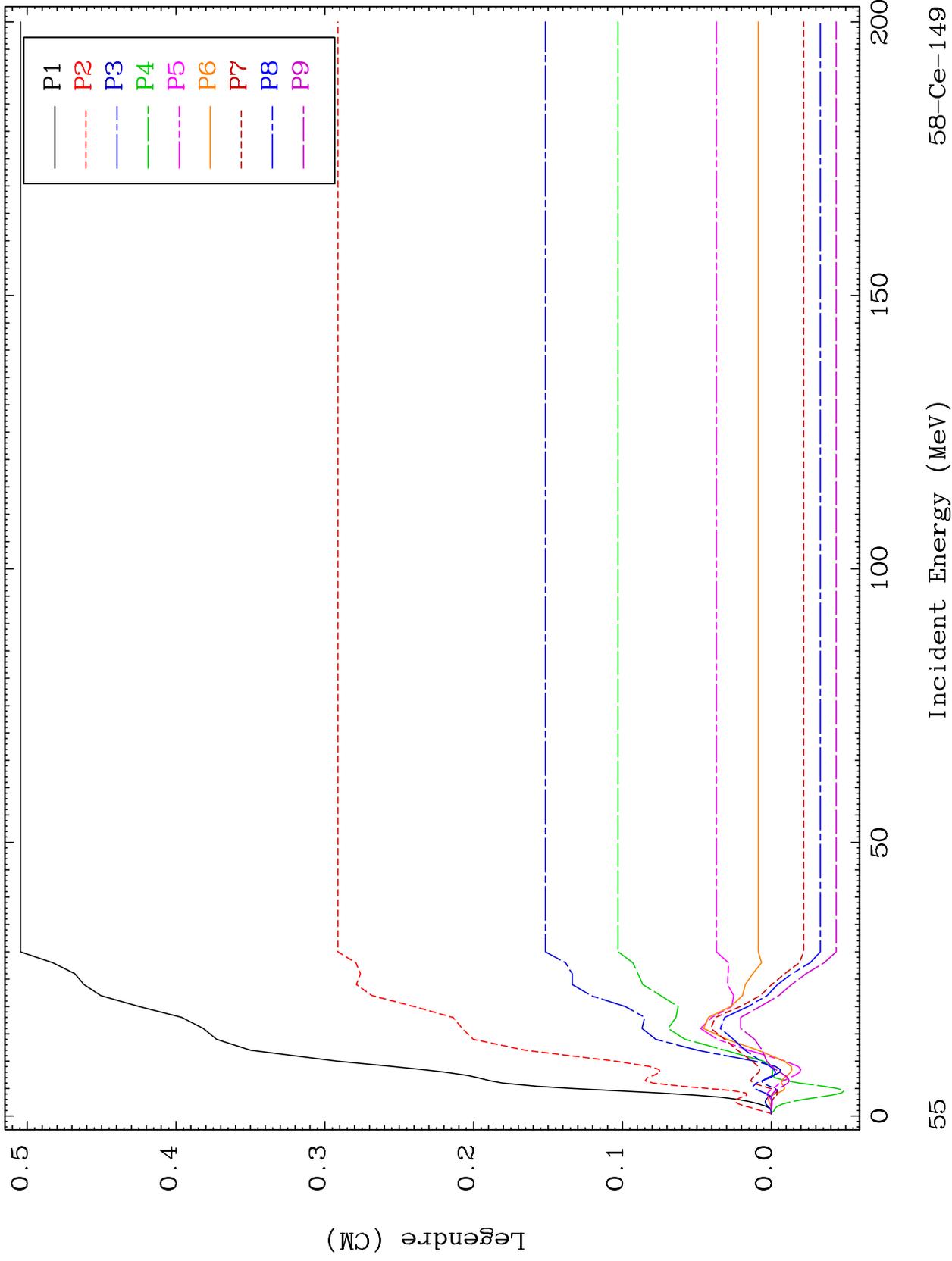


54

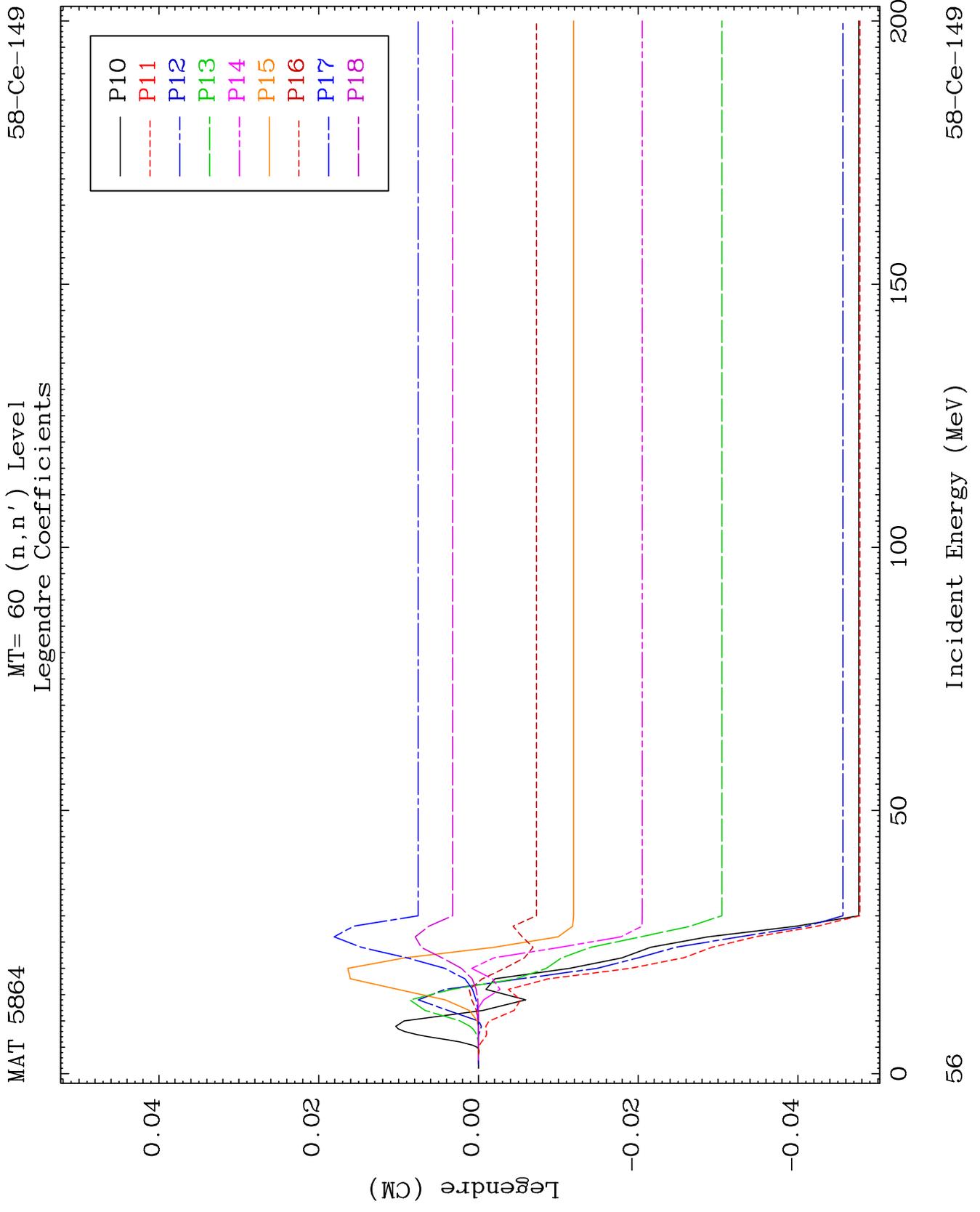
MAT 5864

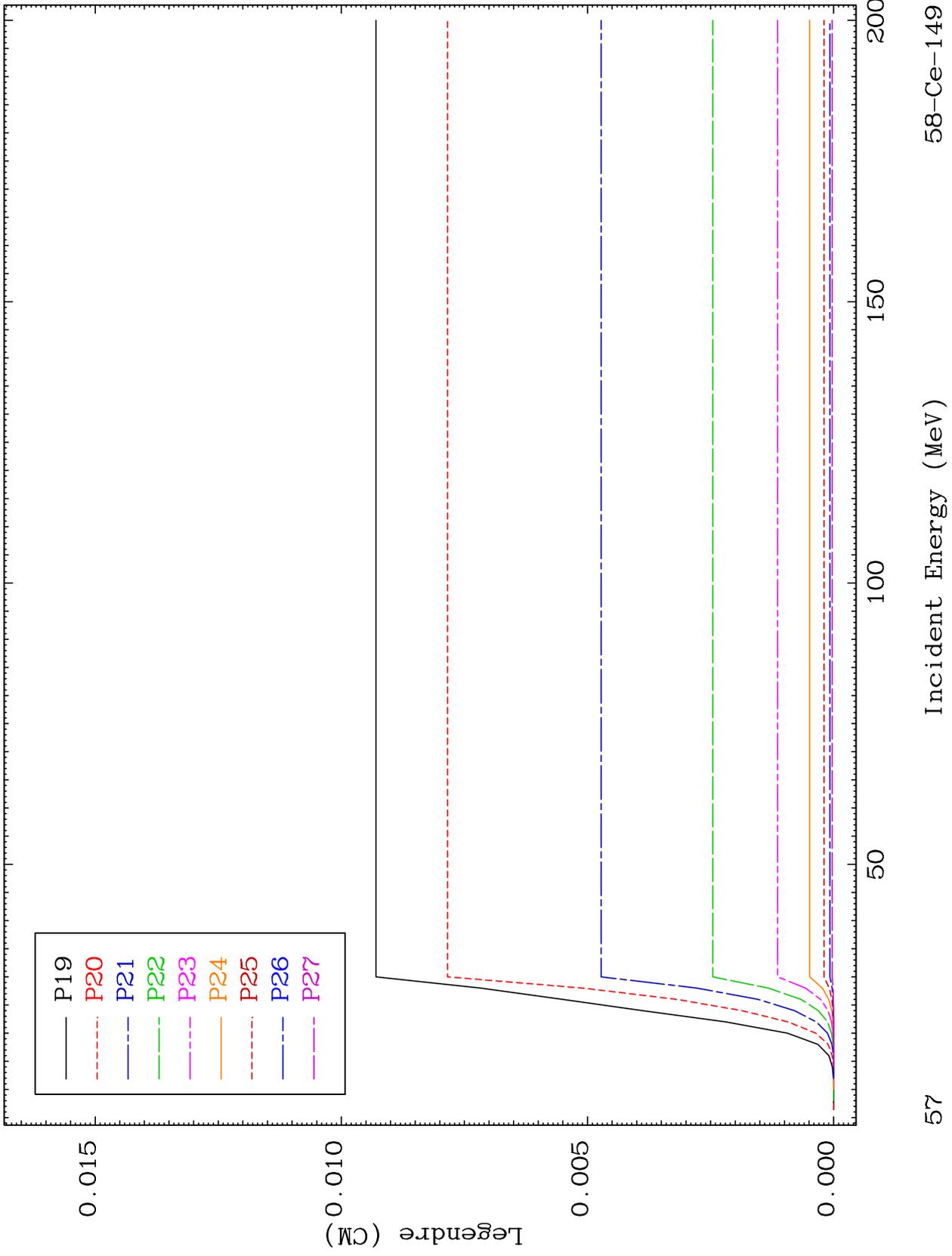
MT= 60 (n,n') Level
Legendre Coefficients

58-Ce-149



55

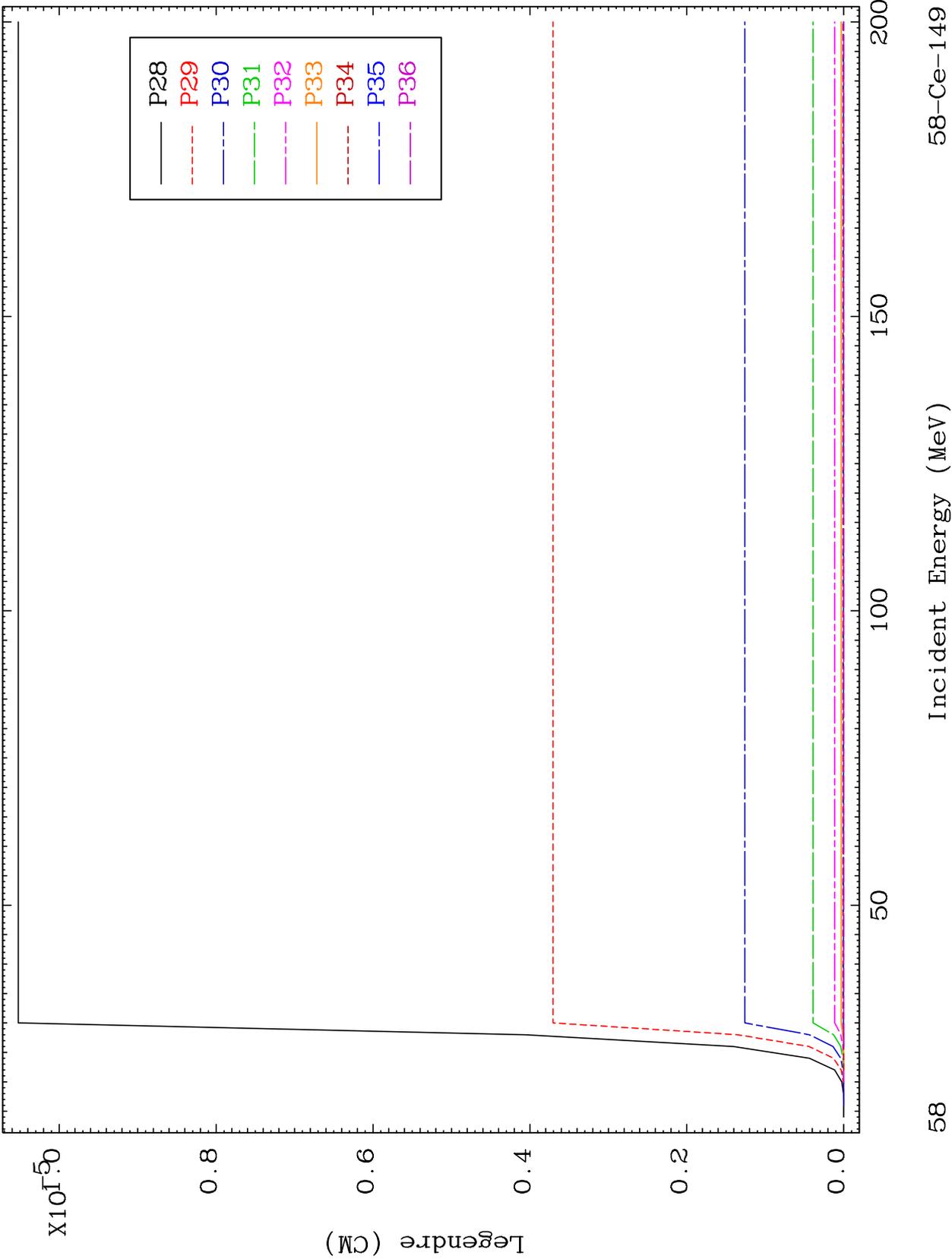




MAT 5864

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

58-Ce-149



58-Ce-149

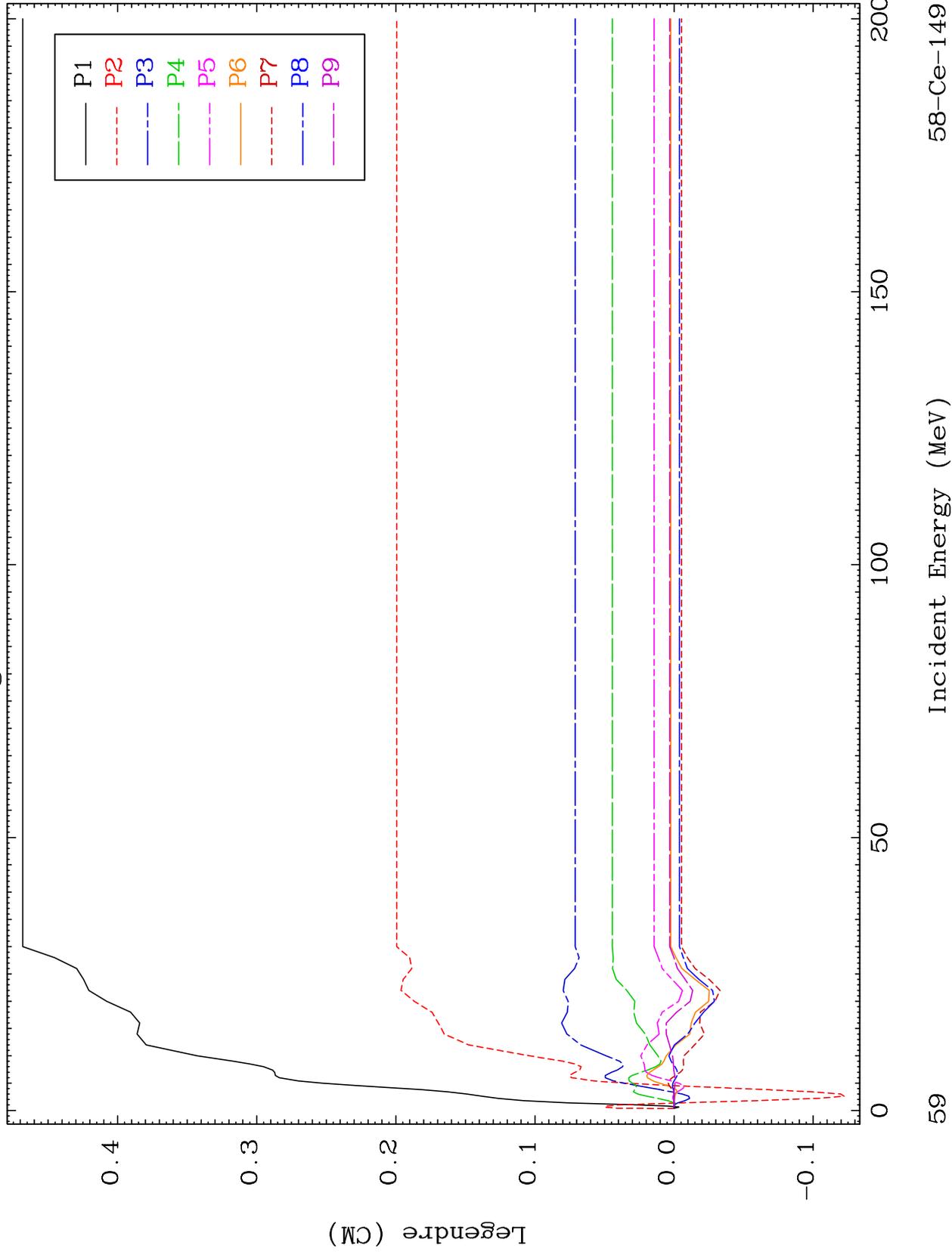
Incident Energy (MeV)

58

MAT 5864

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

58-Ce-149



58-Ce-149

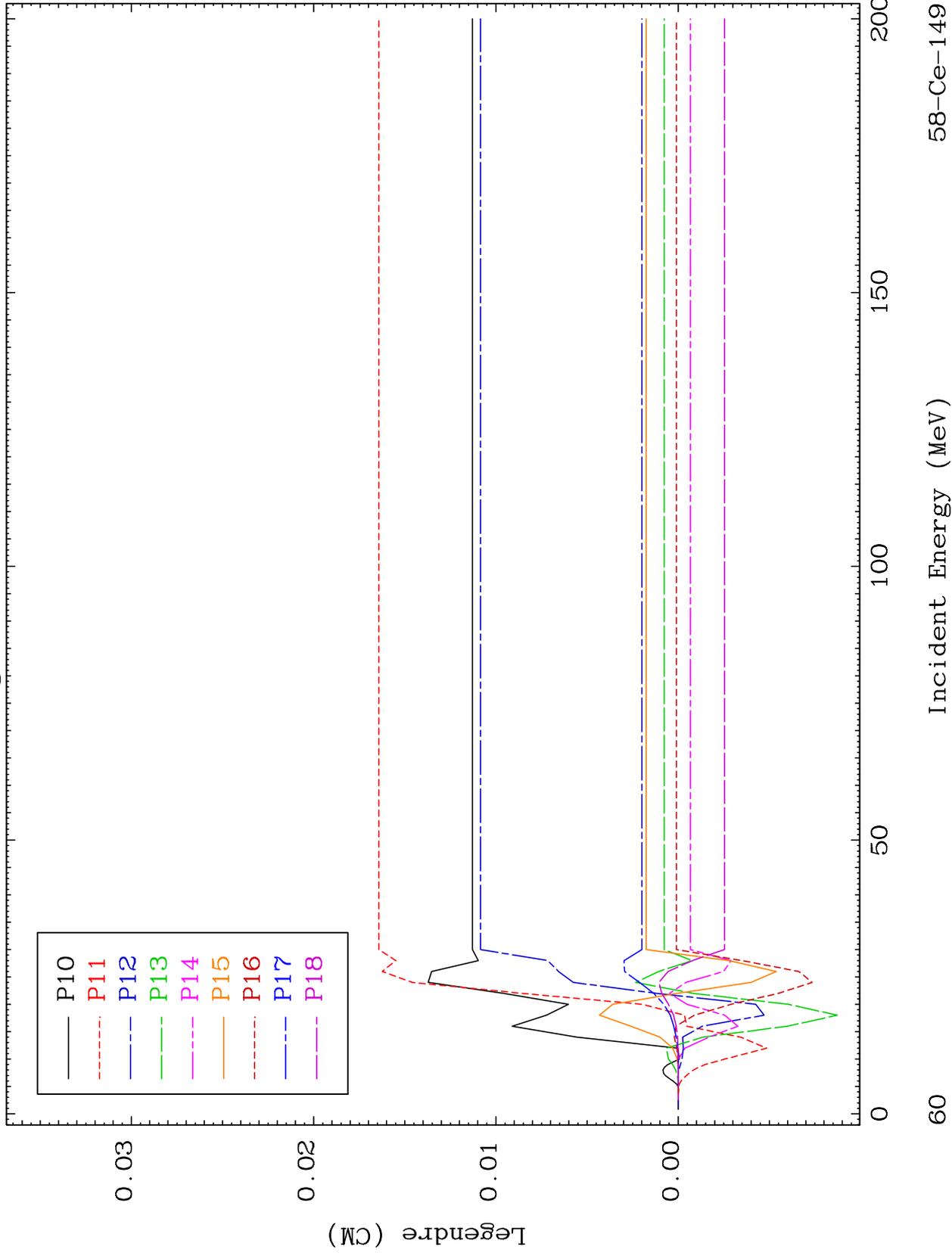
Incident Energy (MeV)

59

MAT 5864

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

58-Ce-149



58-Ce-149

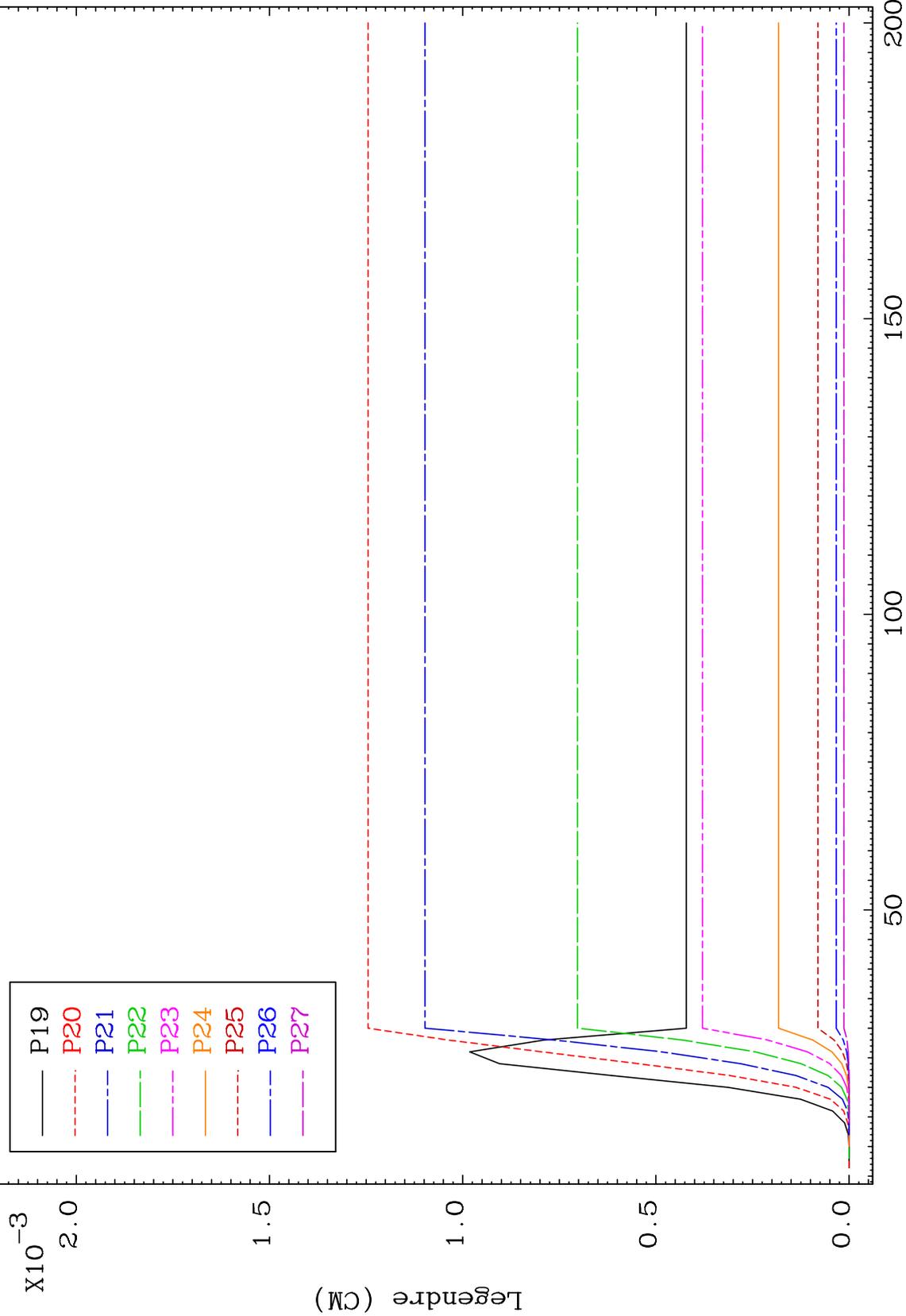
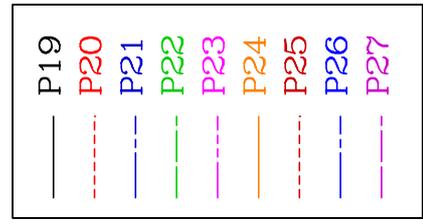
Incident Energy (MeV)

60

MAT 5864

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

58-Ce-149



61

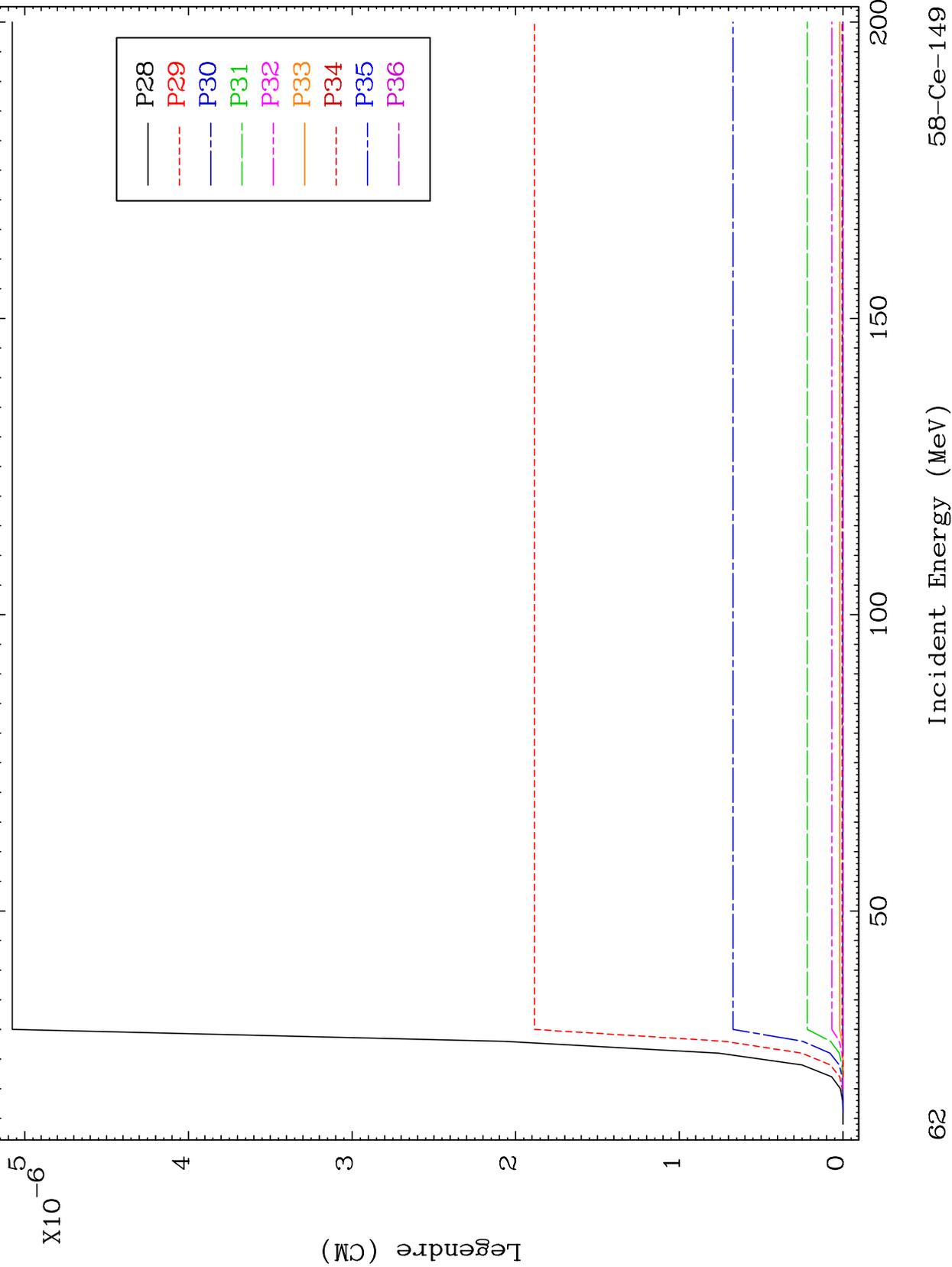
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



62

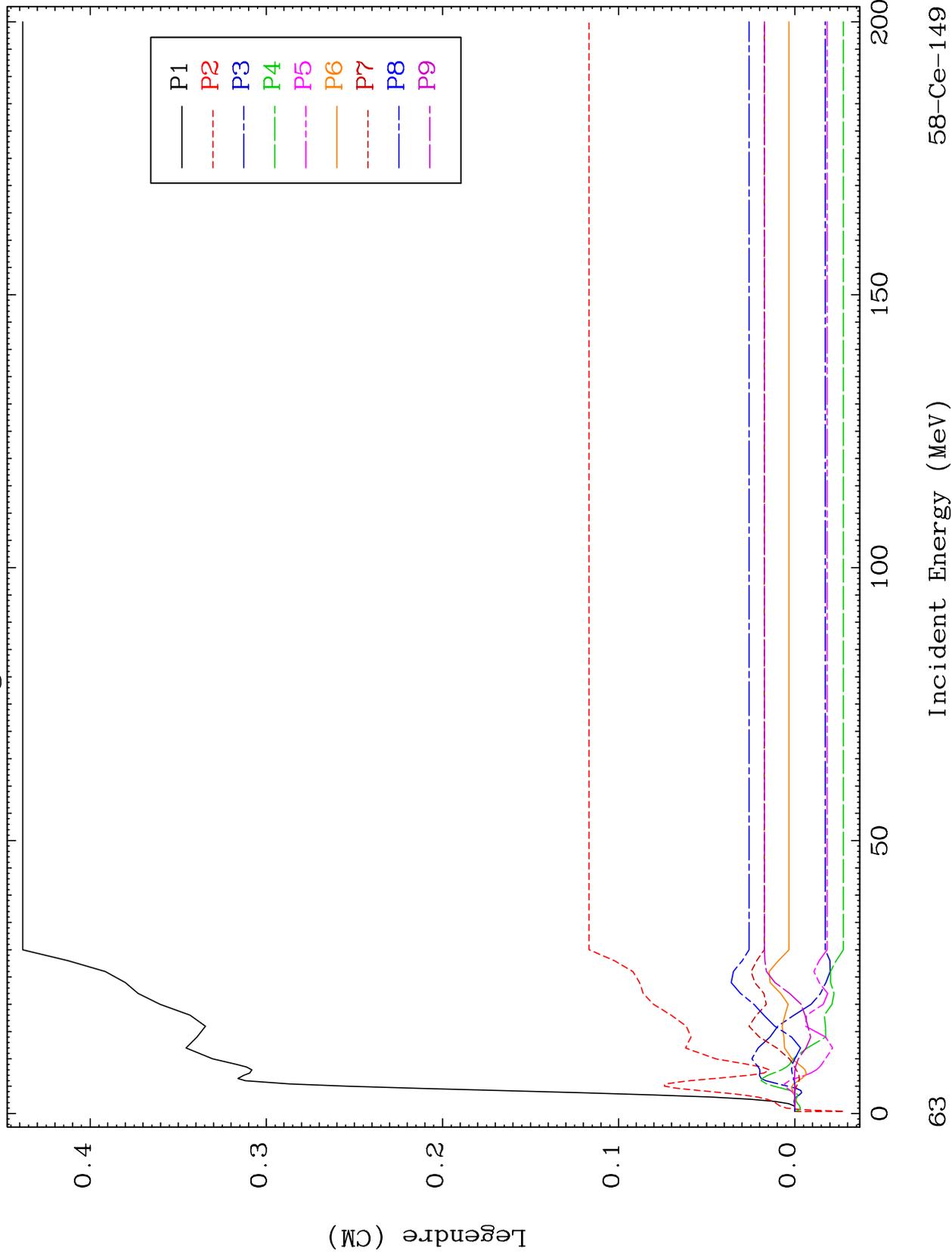
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



58-Ce-149

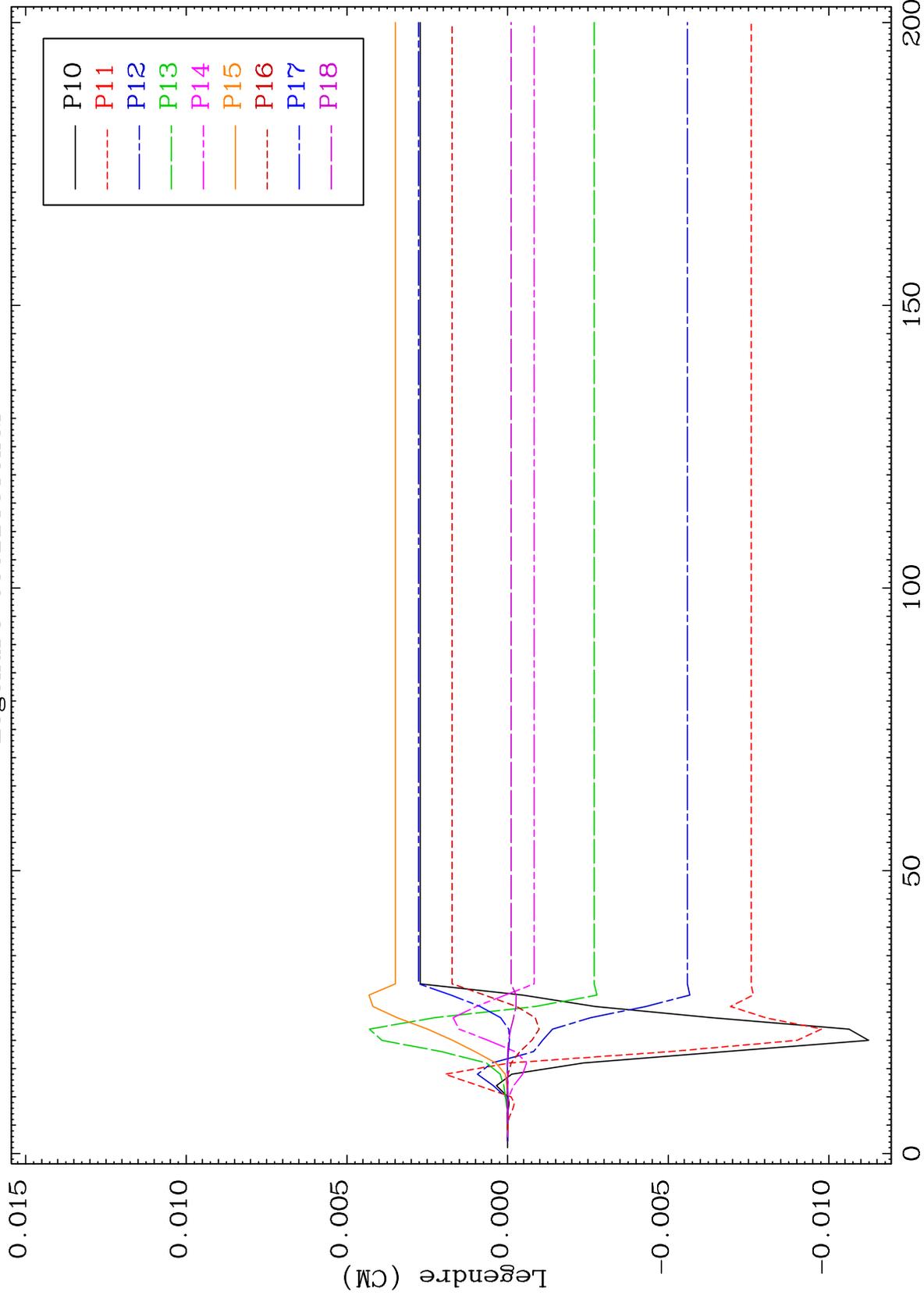
Incident Energy (MeV)

63

MAT 5864

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

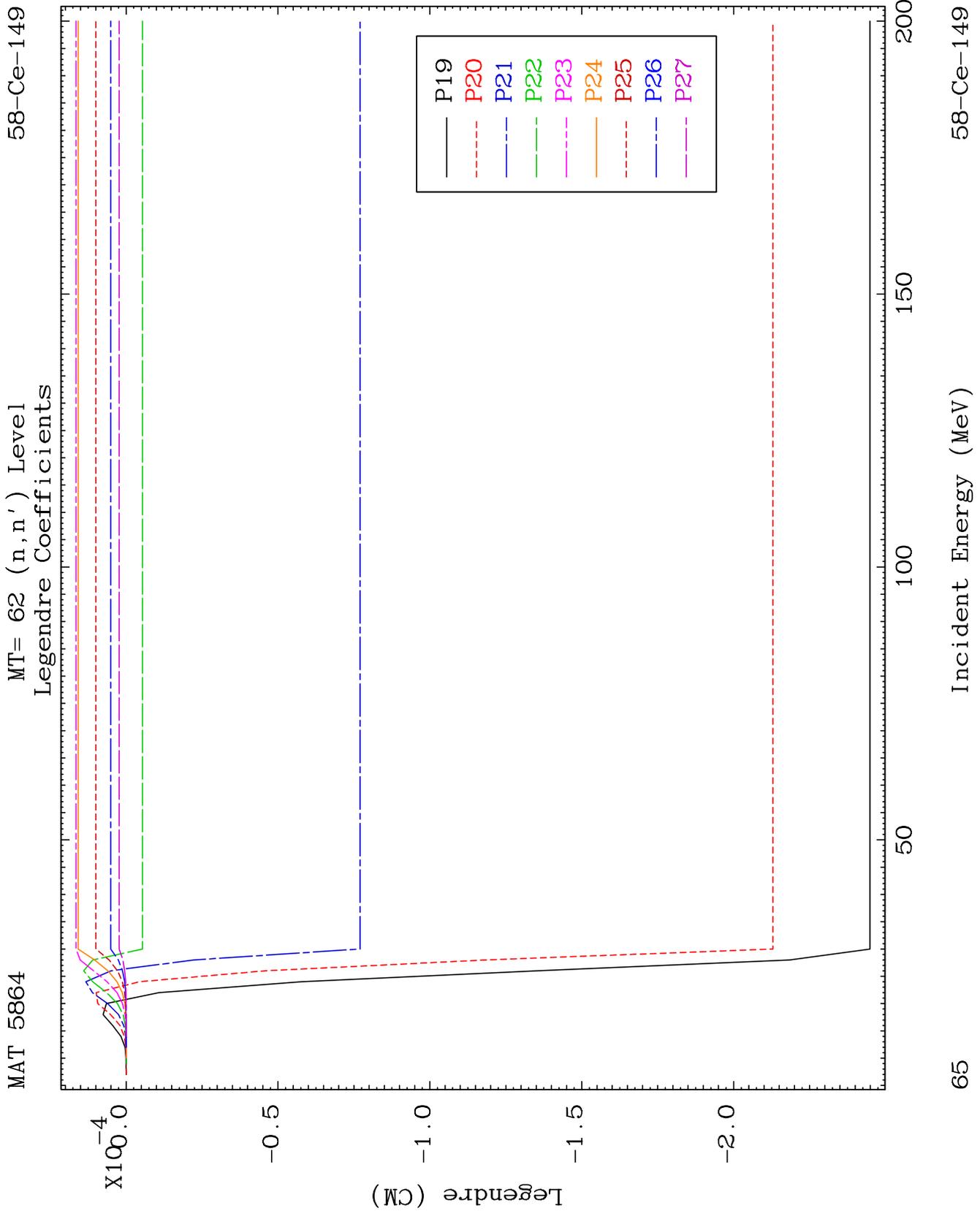
58-Ce-149



64

Incident Energy (MeV)

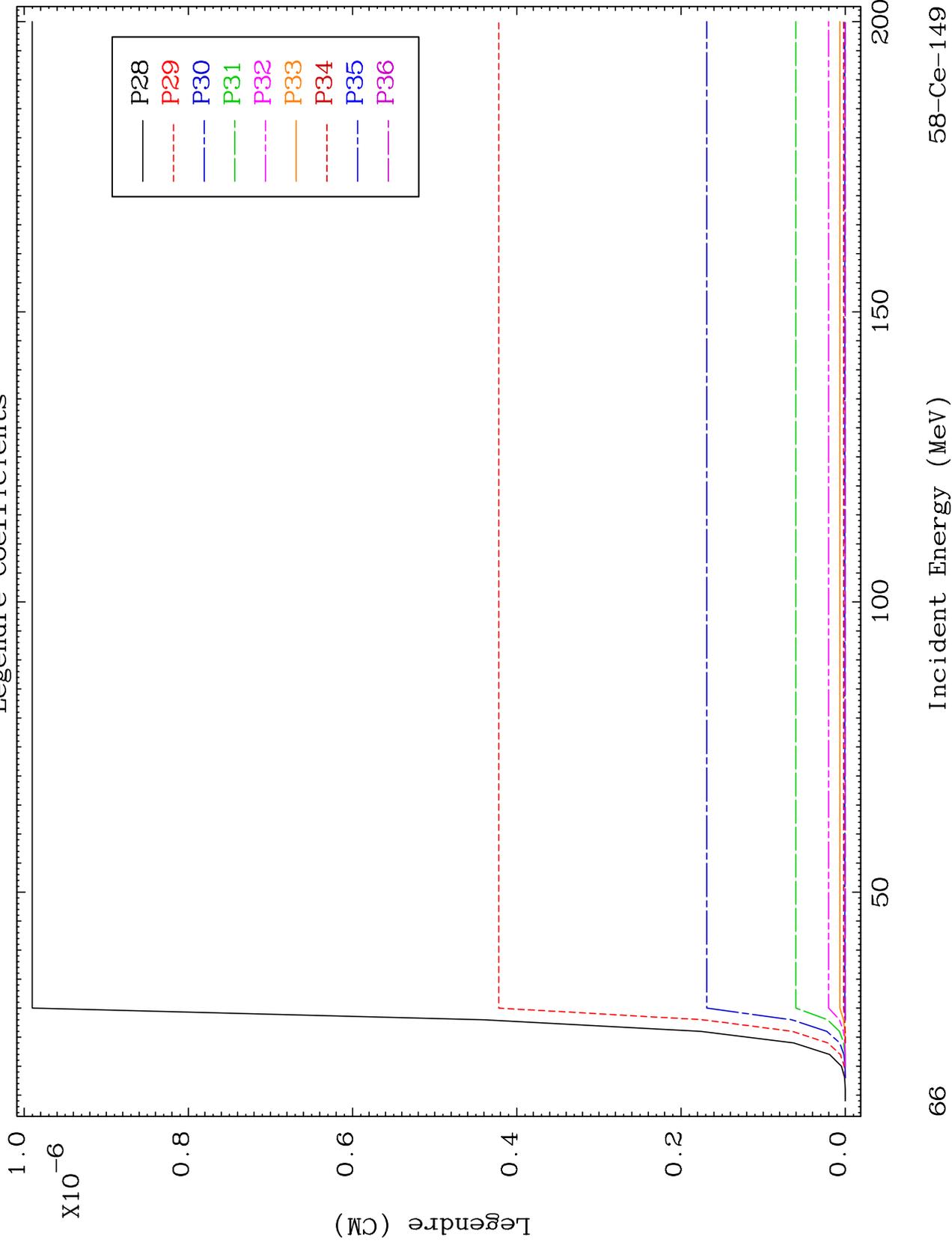
58-Ce-149



MAT 5864

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

58-Ce-149



66

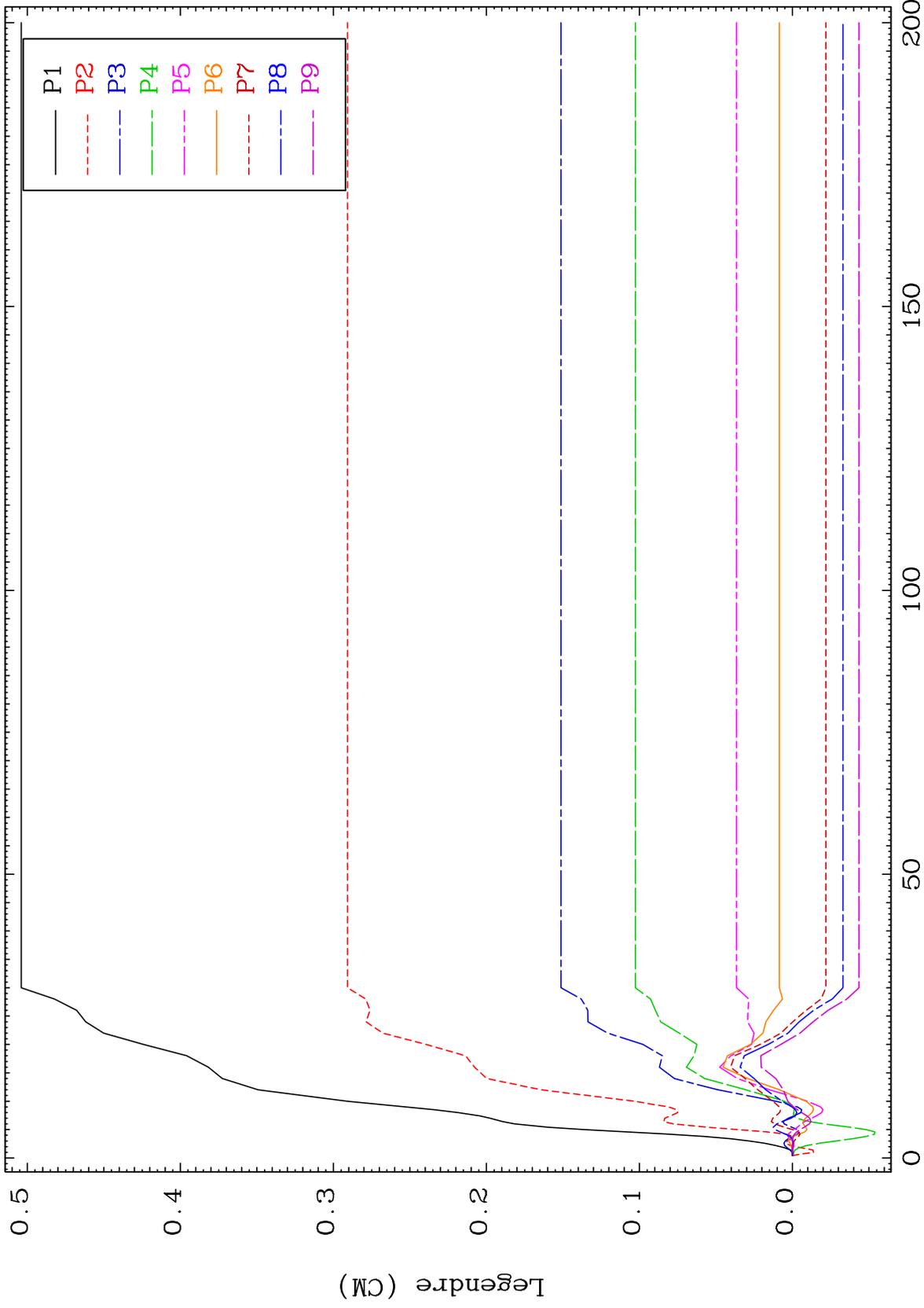
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



67

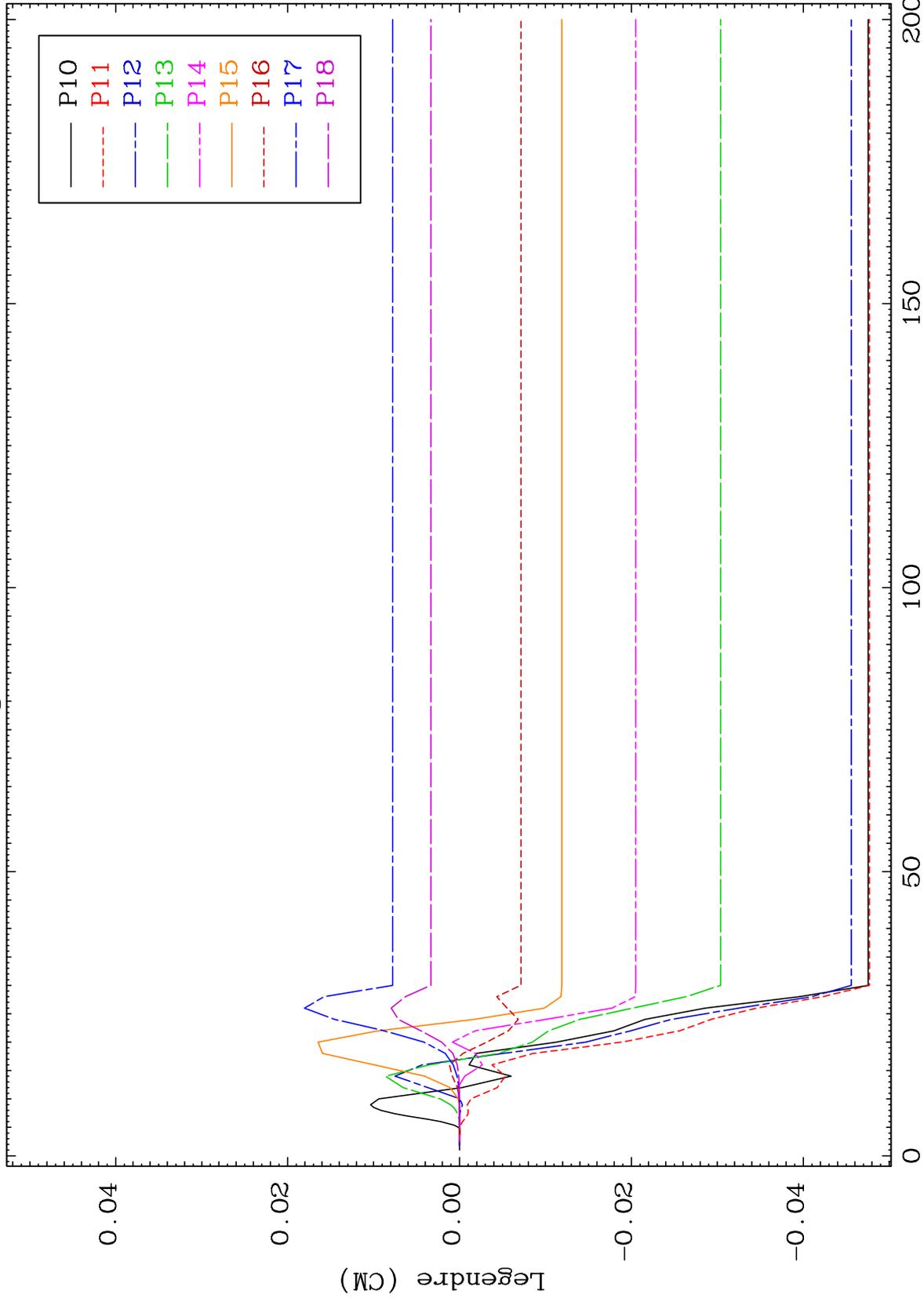
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



68

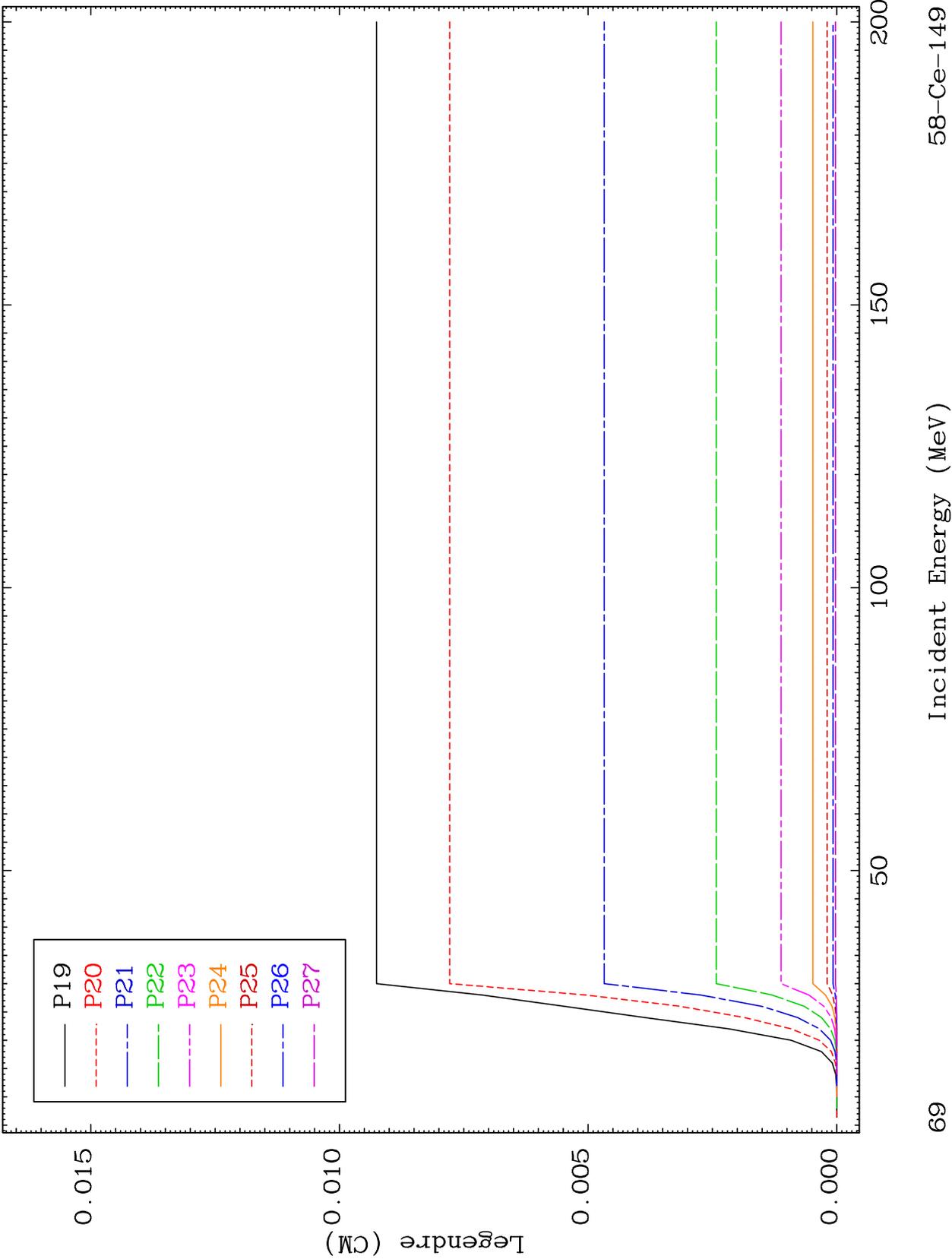
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



69

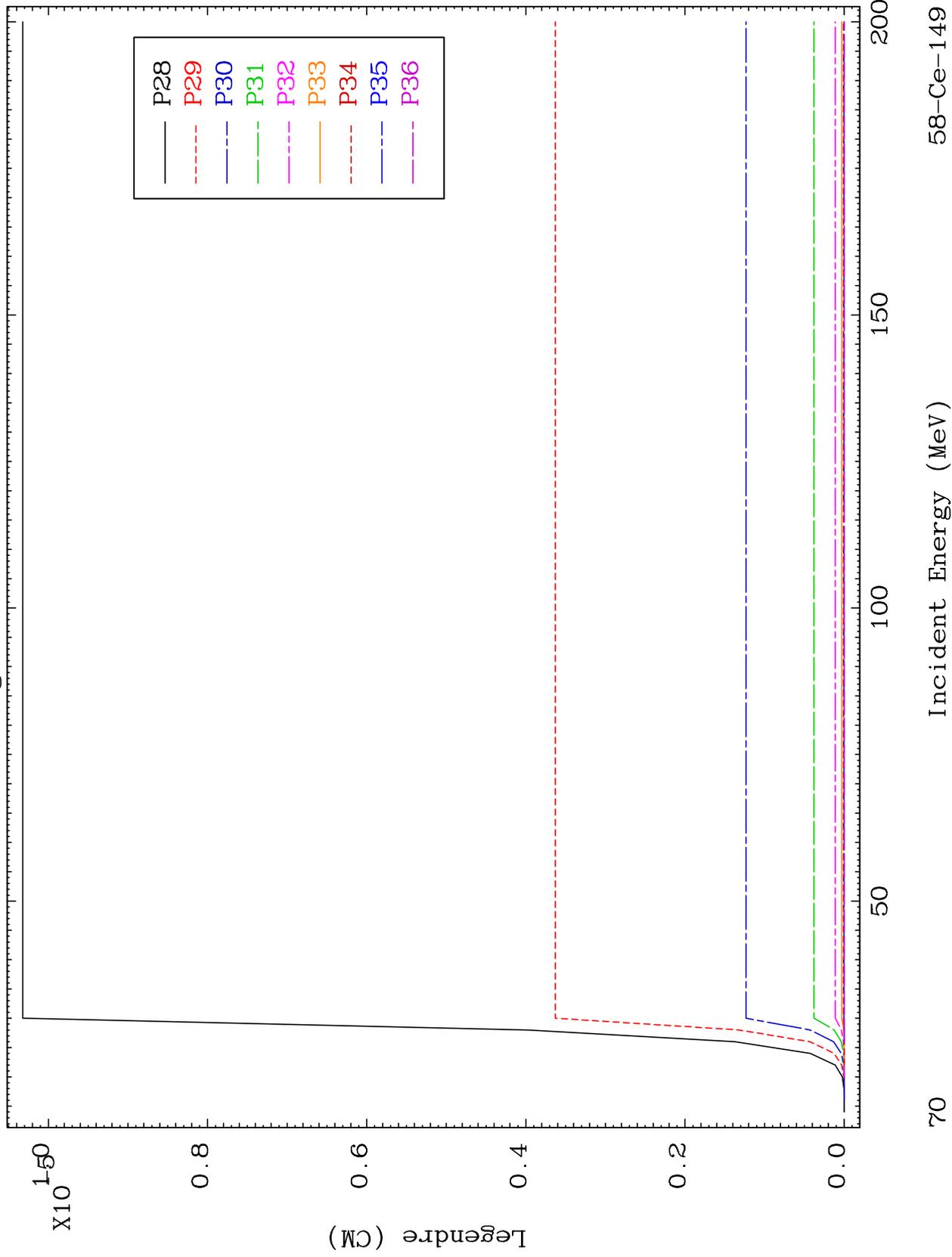
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

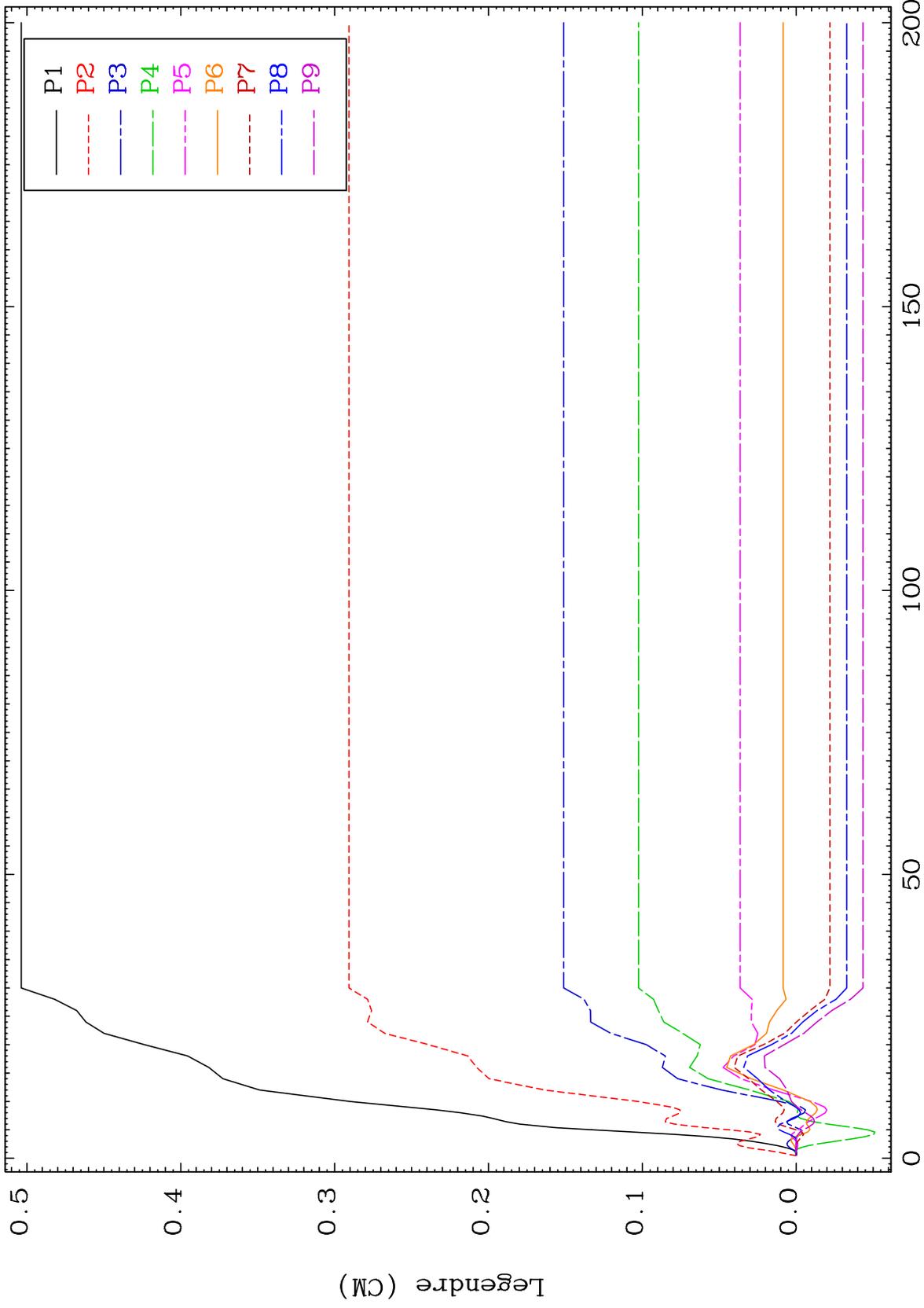
58-Ce-149



MAT 5864

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

58-Ce-149



71

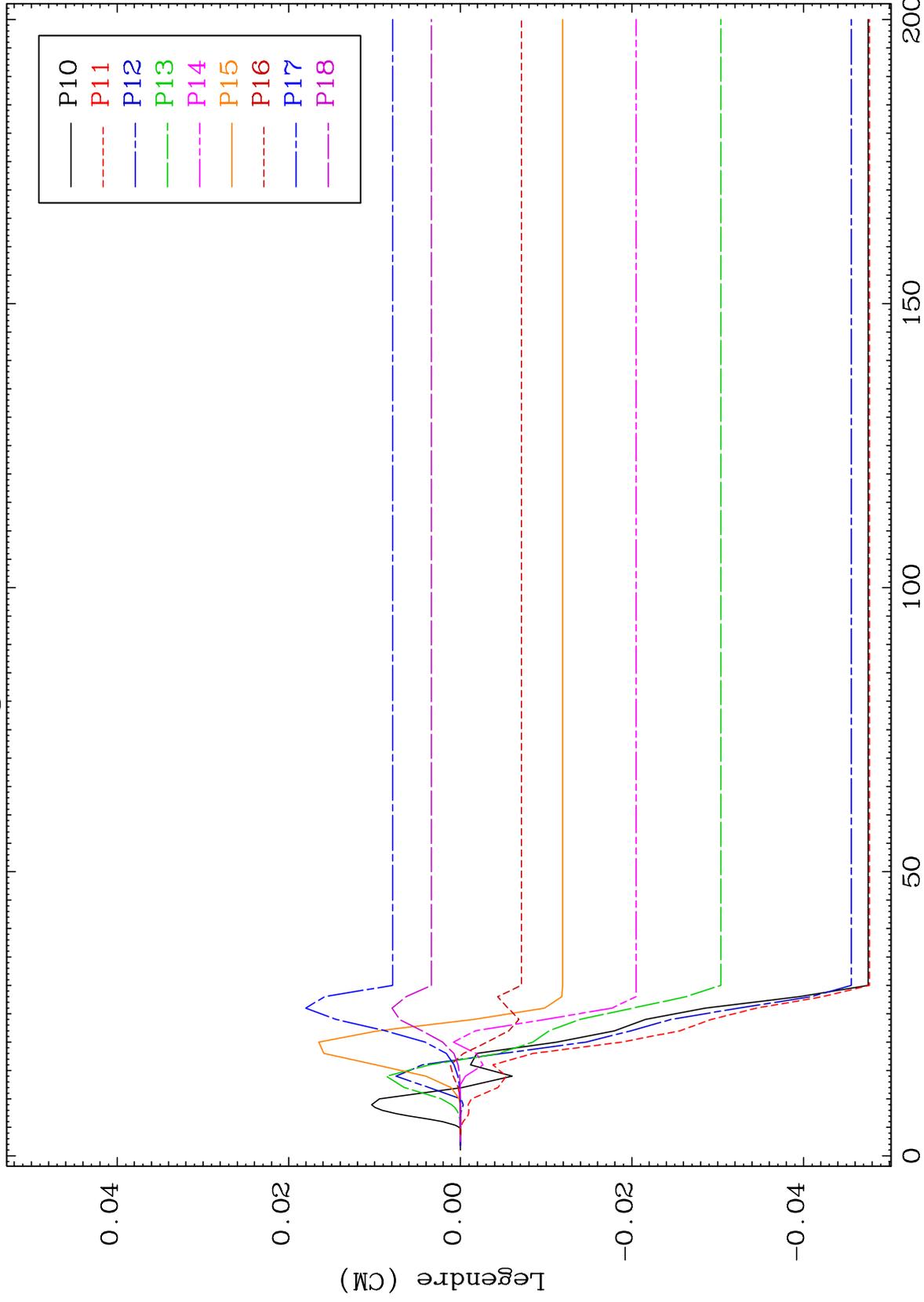
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



72

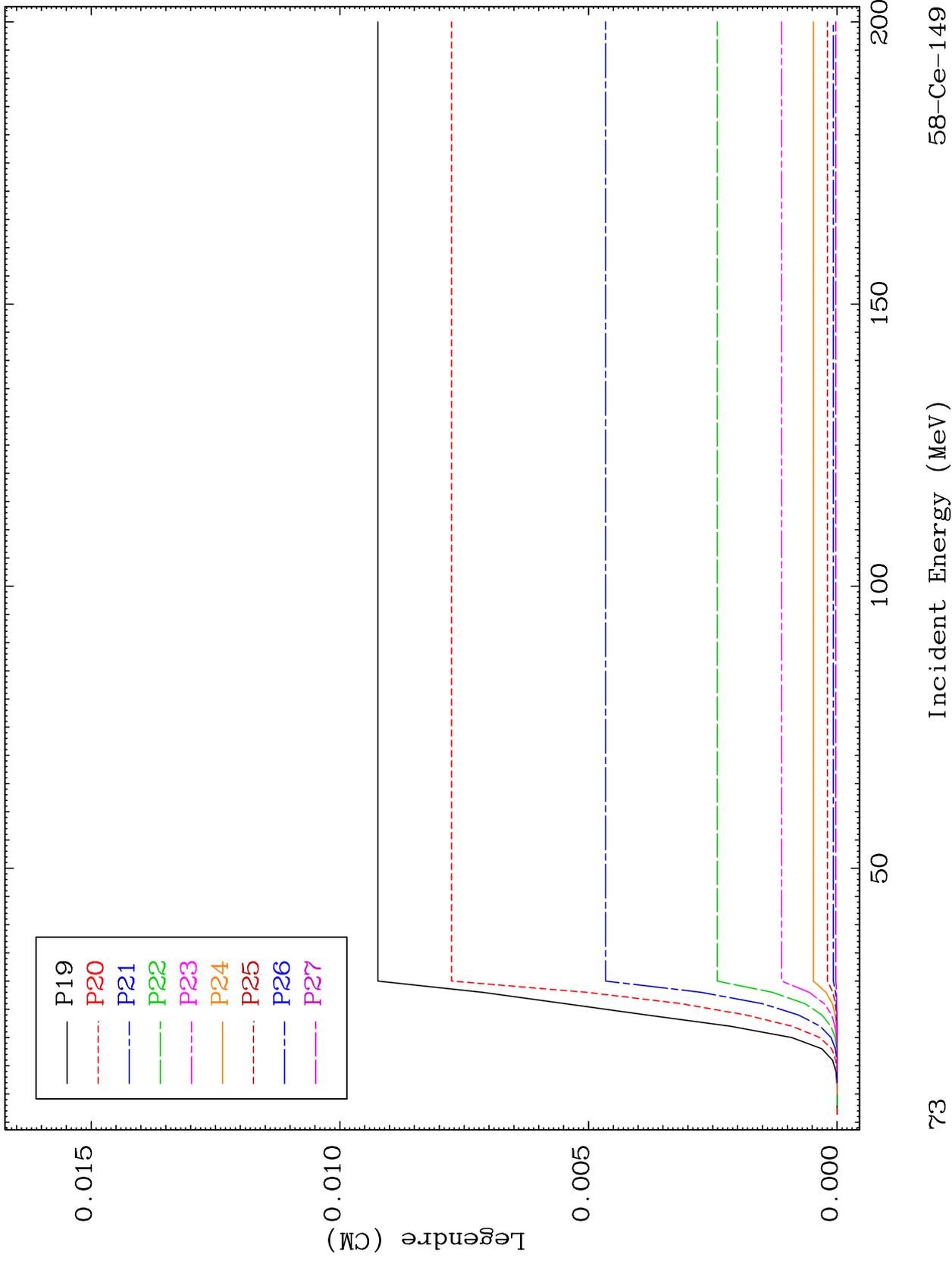
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

58-Ce-149



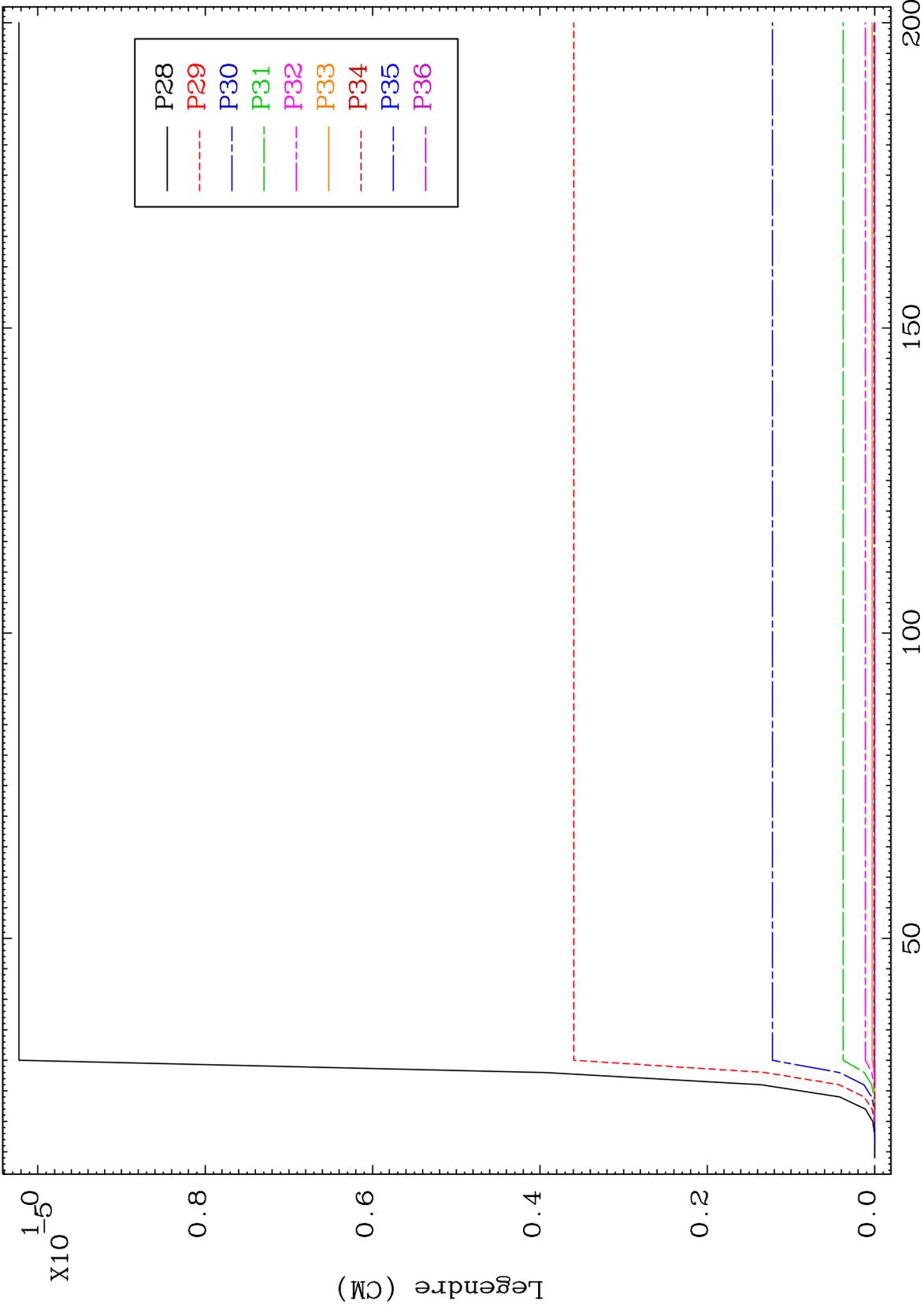
73

58-Ce-149

MAT 5864

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

58-Ce-149



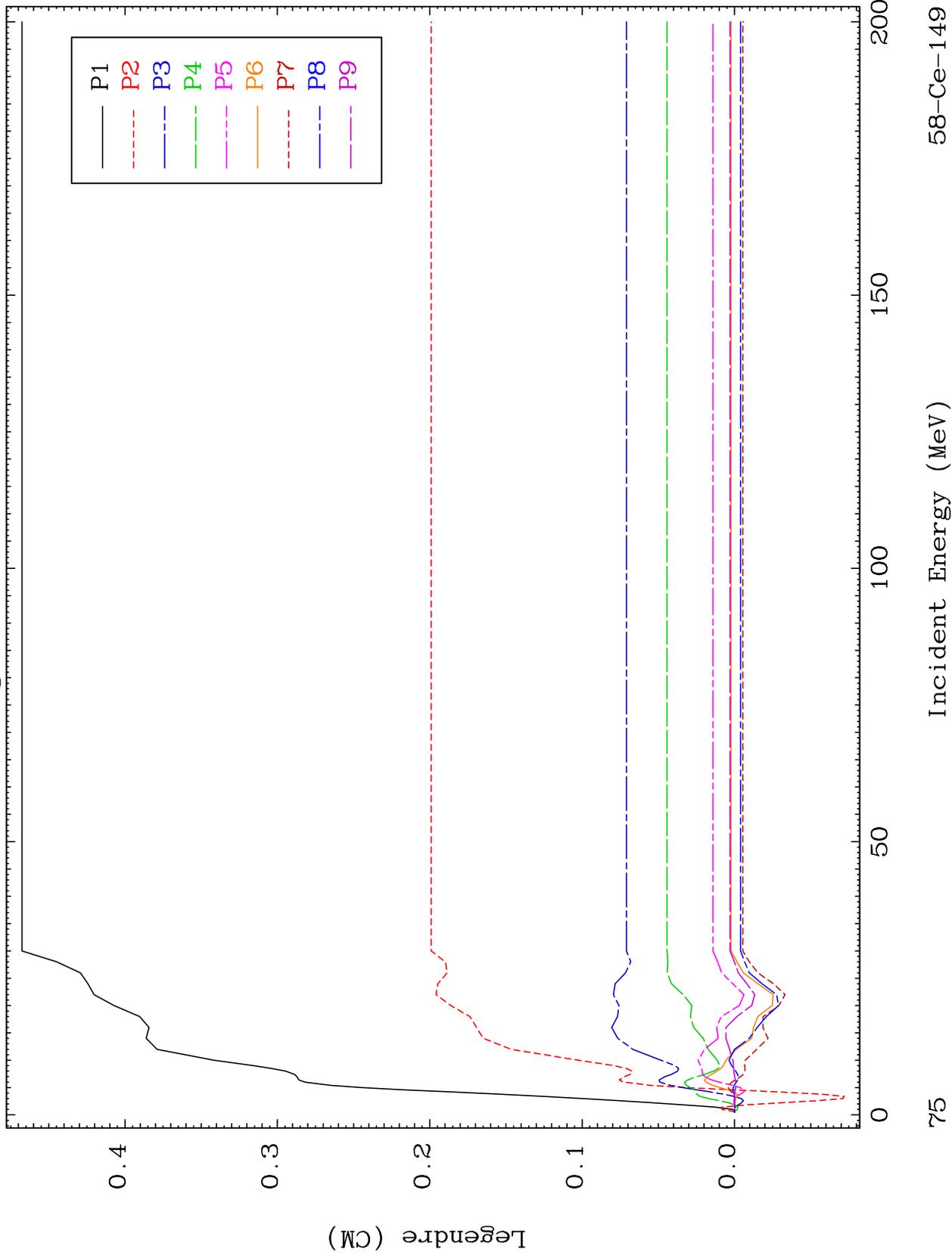
74

58-Ce-149

MAT 5864

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

58-Ce-149



58-Ce-149

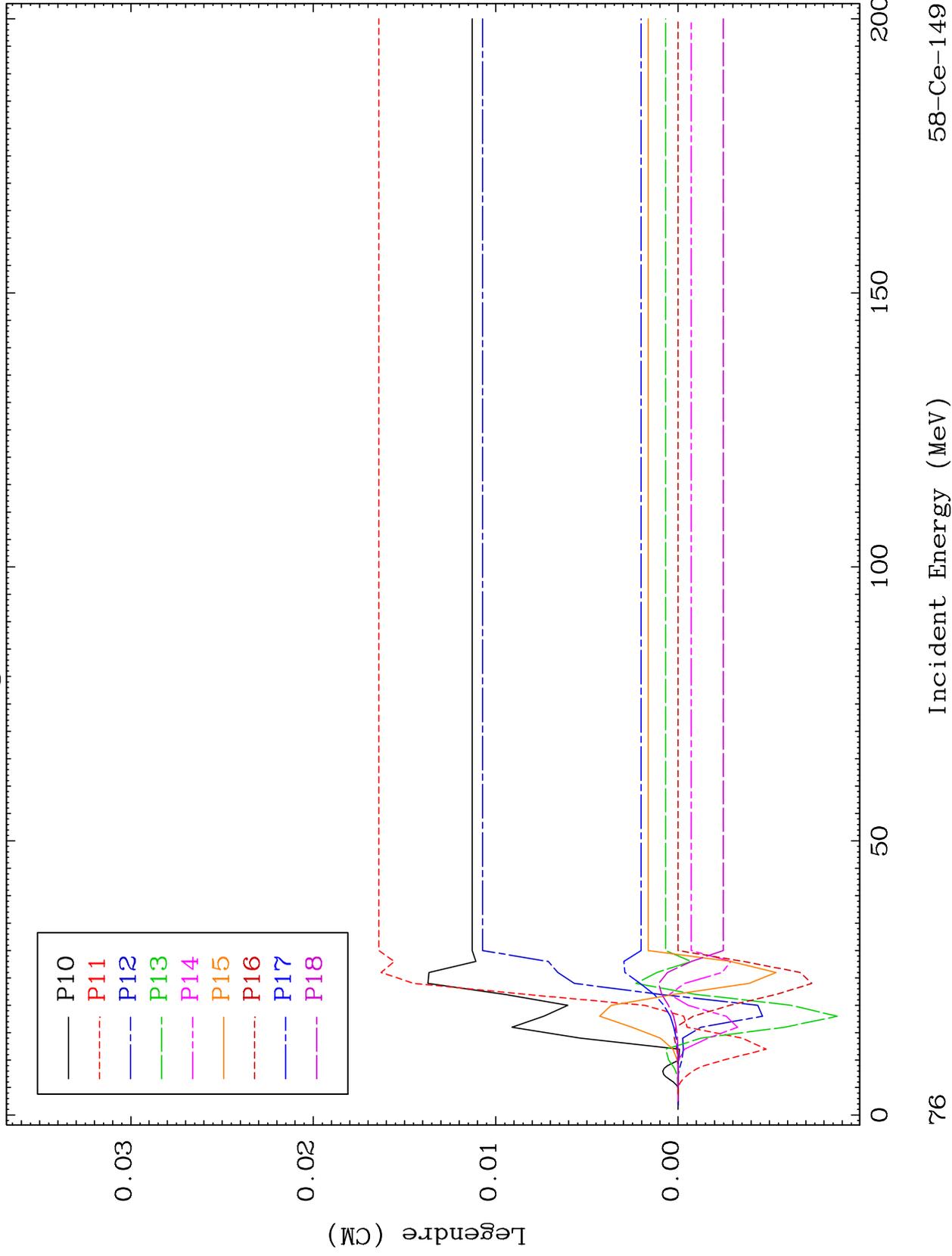
Incident Energy (MeV)

75

MAT 5864

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

58-Ce-149



76

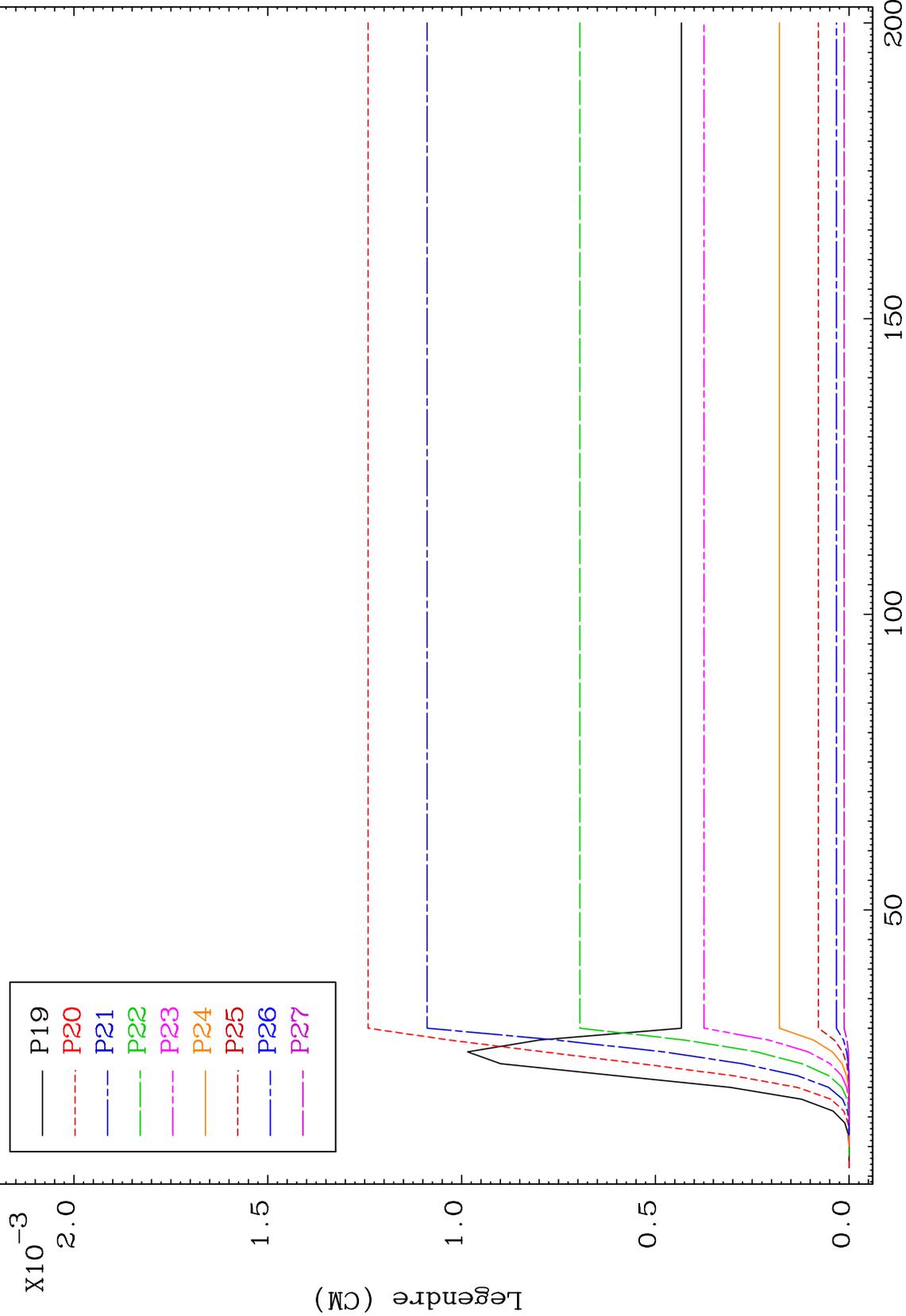
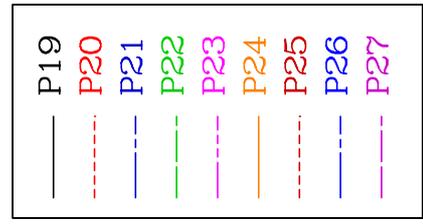
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

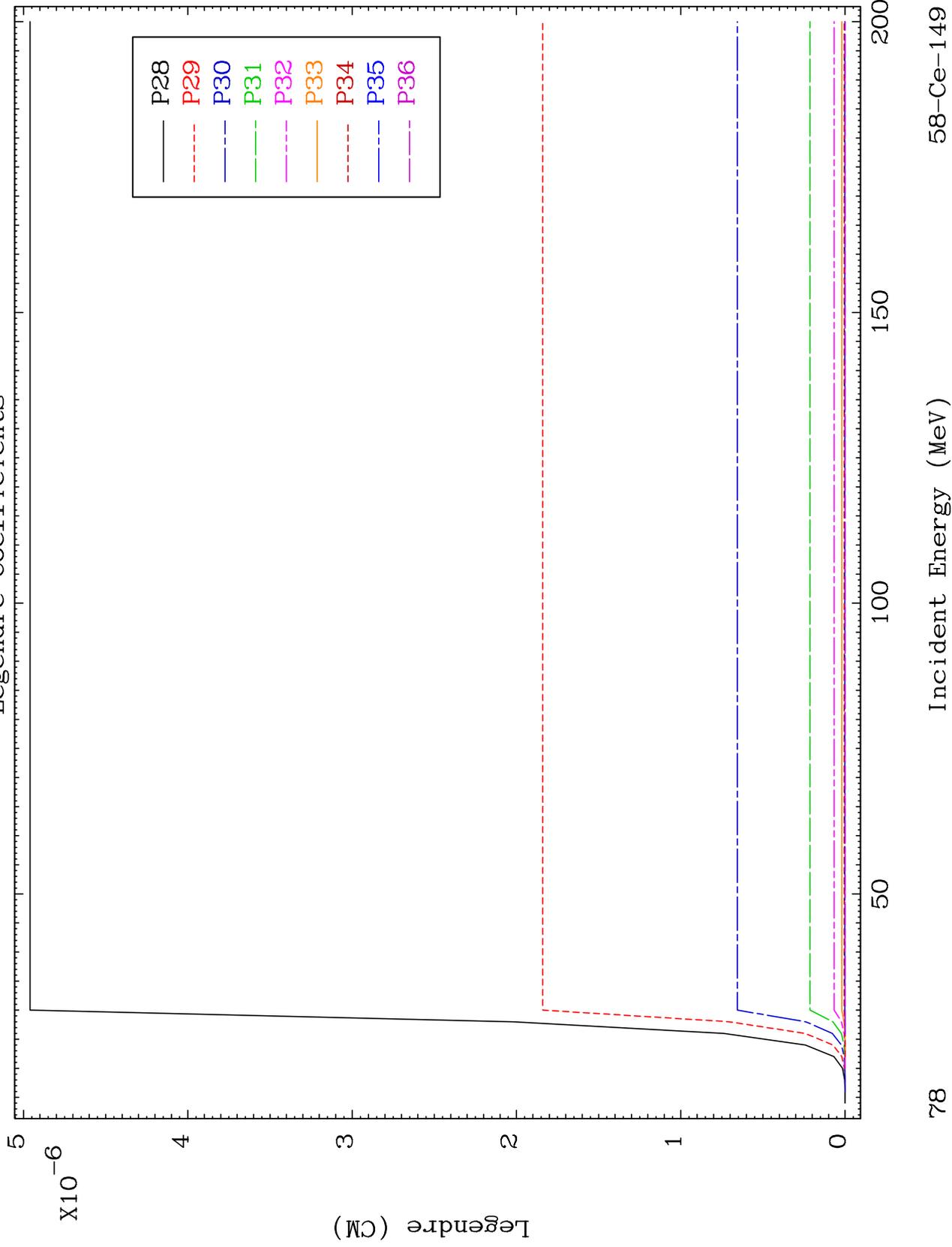
58-Ce-149



MAT 5864

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

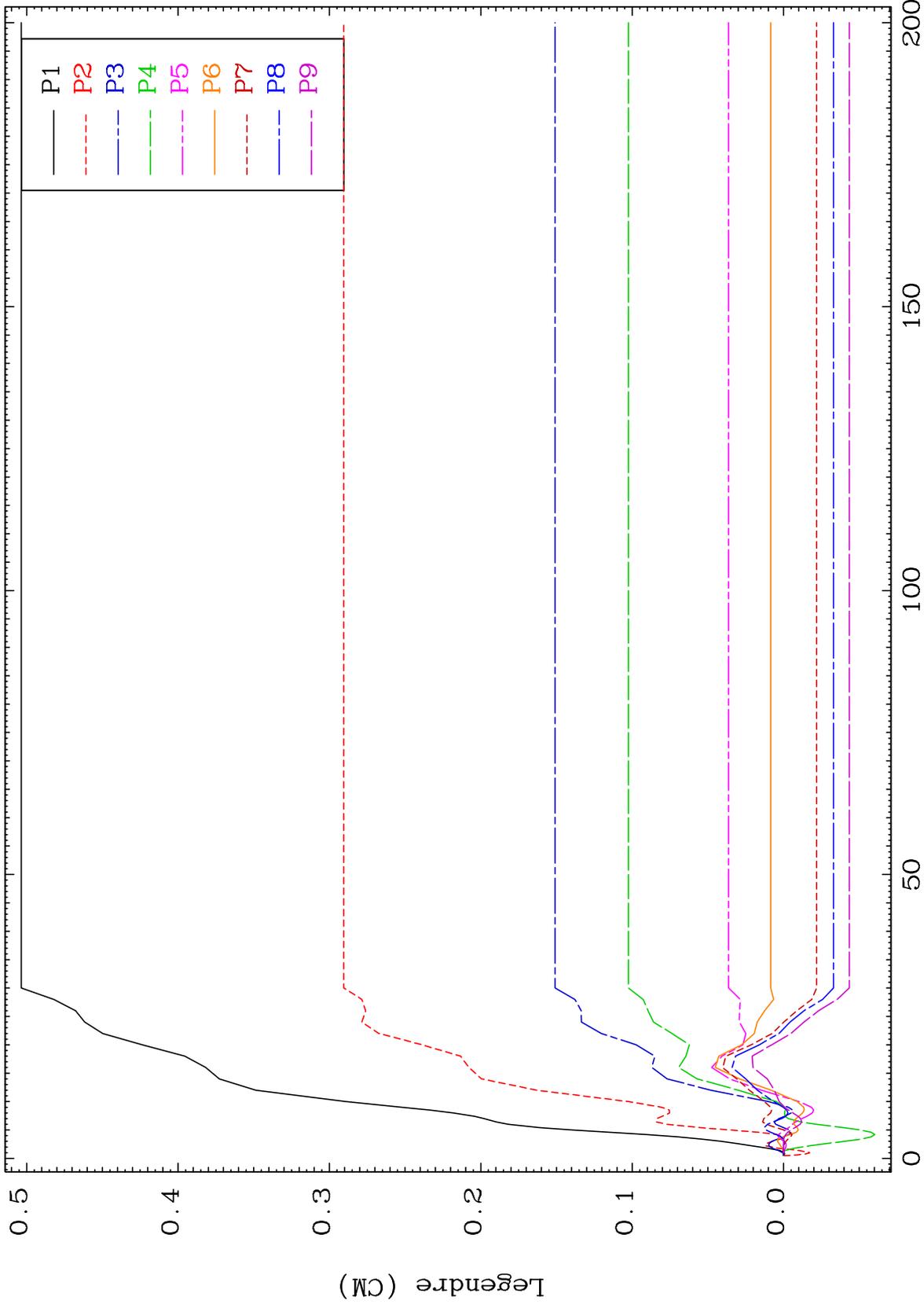
58-Ce-149



MAT 5864

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

58-Ce-149



79

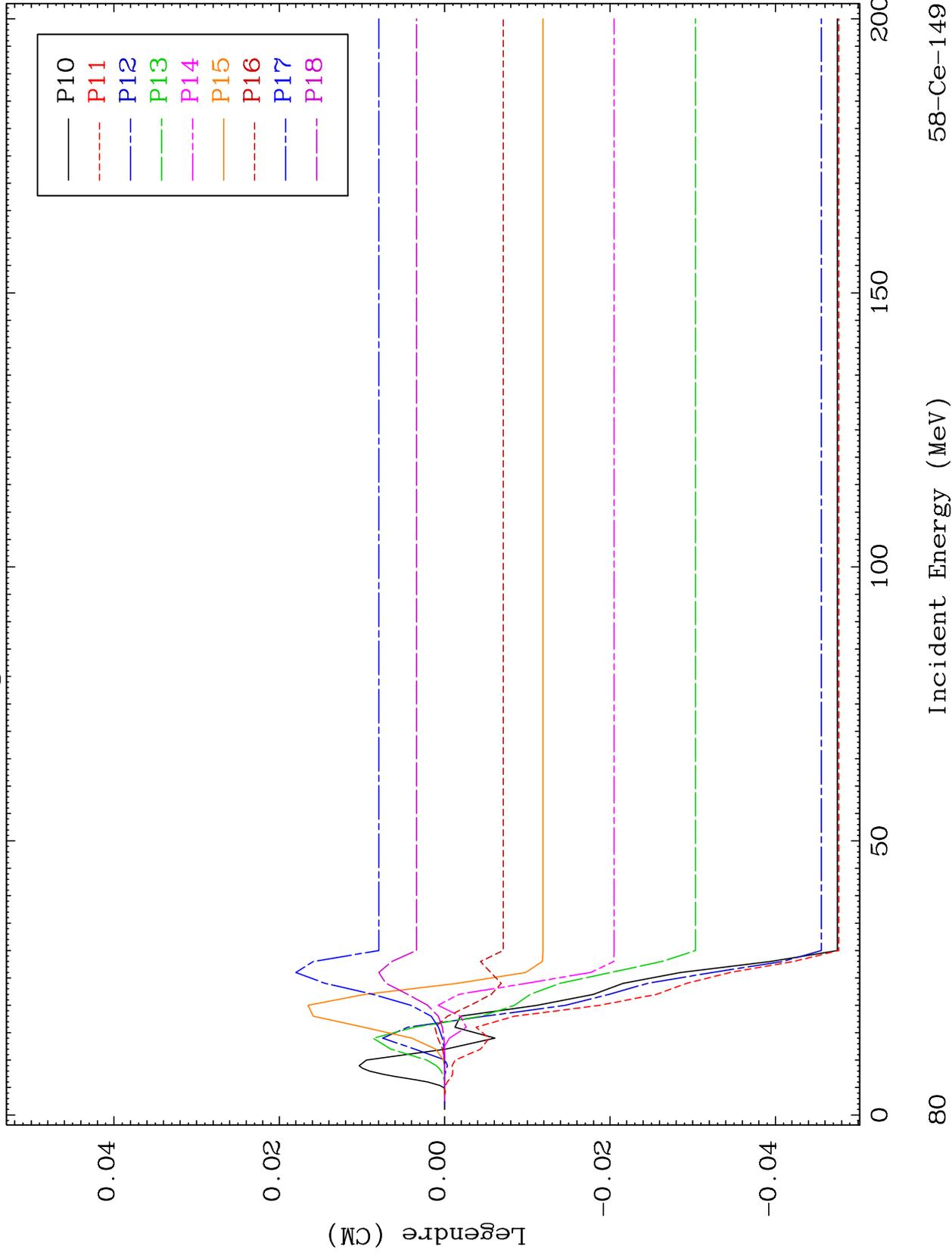
Incident Energy (MeV)

58-Ce-149

MAT 5864

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

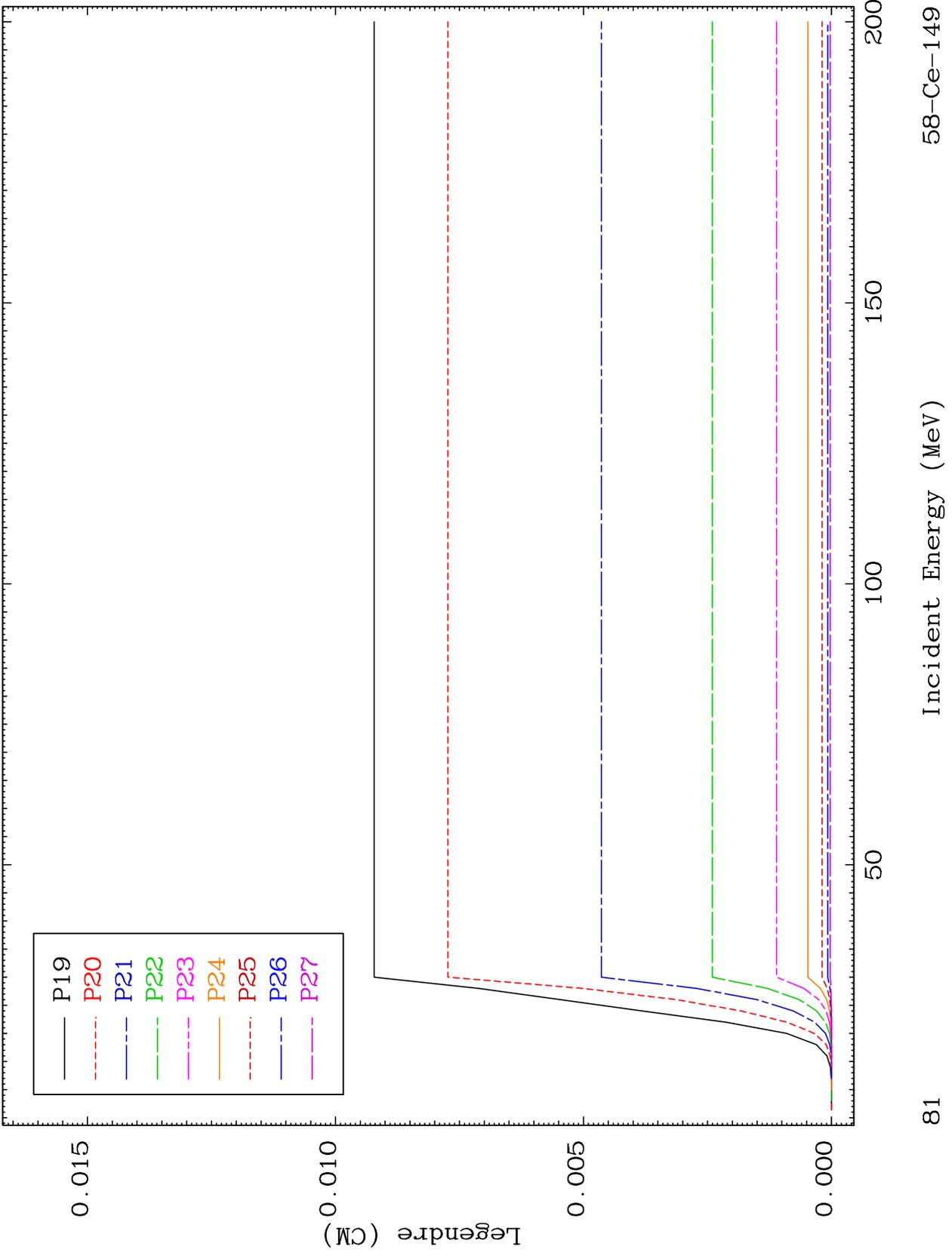
58-Ce-149



MAT 5864

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

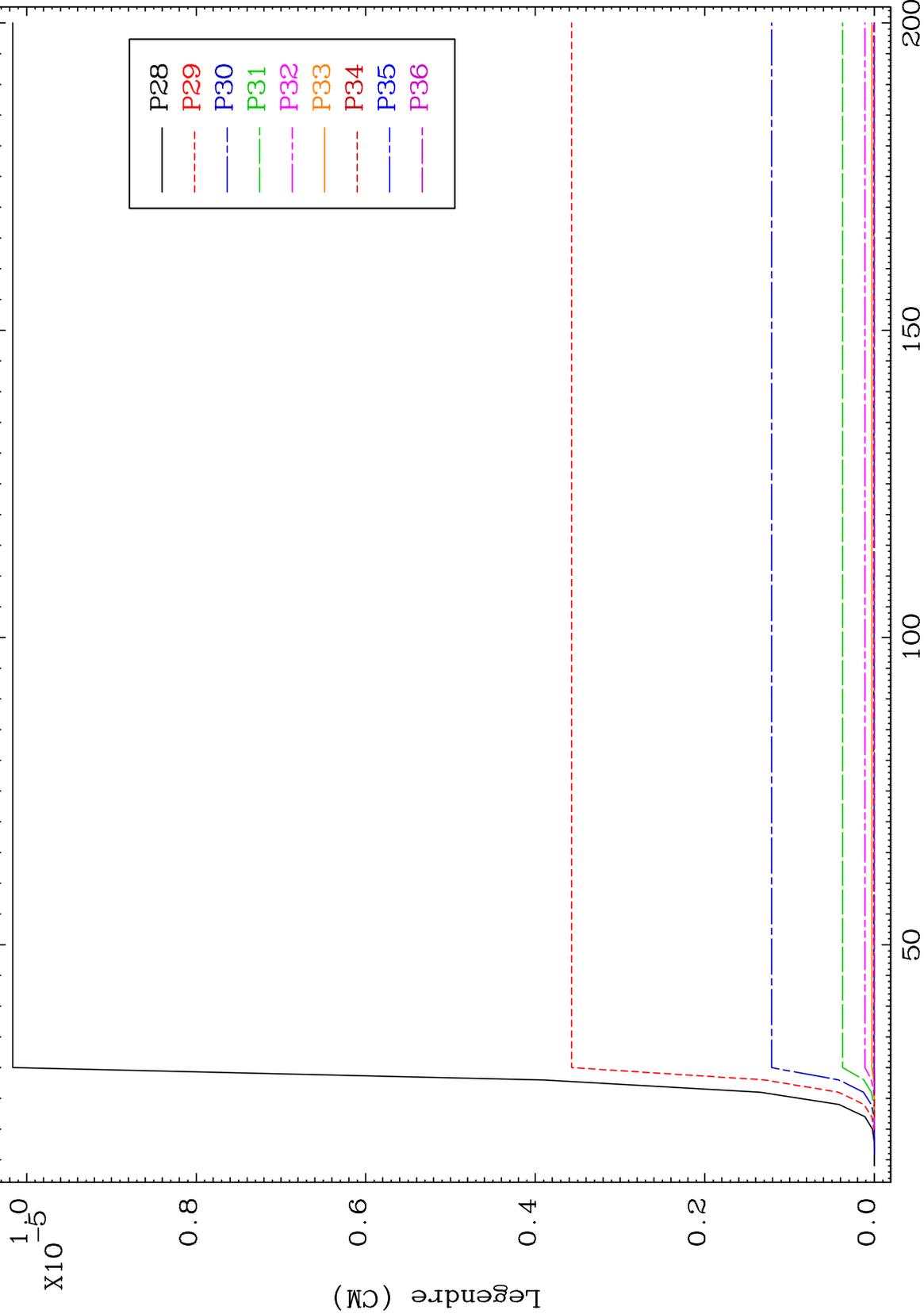
58-Ce-149



MAT 5864

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

58-Ce-149



82

Incident Energy (MeV)

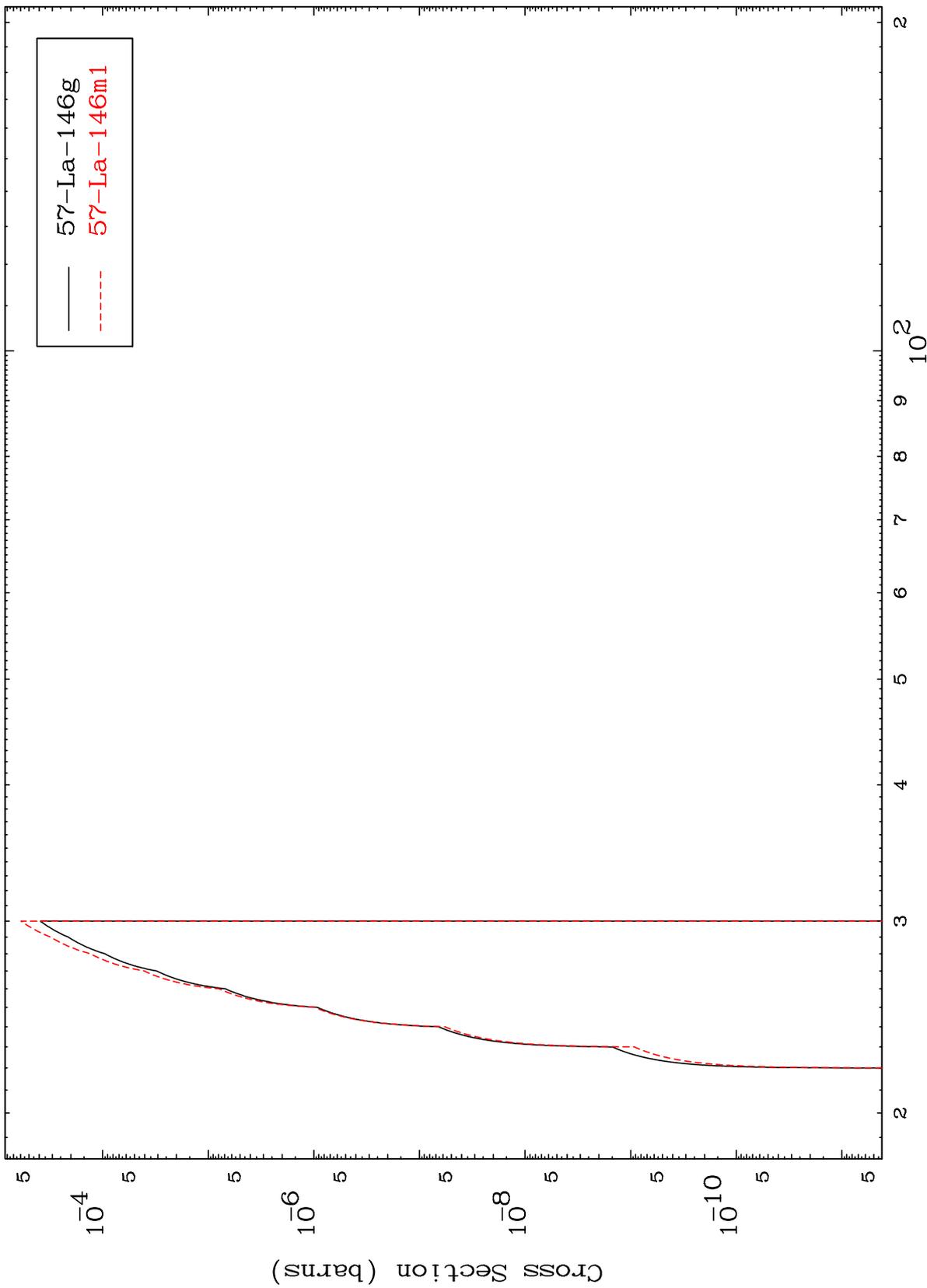
58-Ce-149

MAT 5864

(n,2n) d

58-Ce-149

Radionuclide Production Cross Section



83

Incident Energy (MeV)

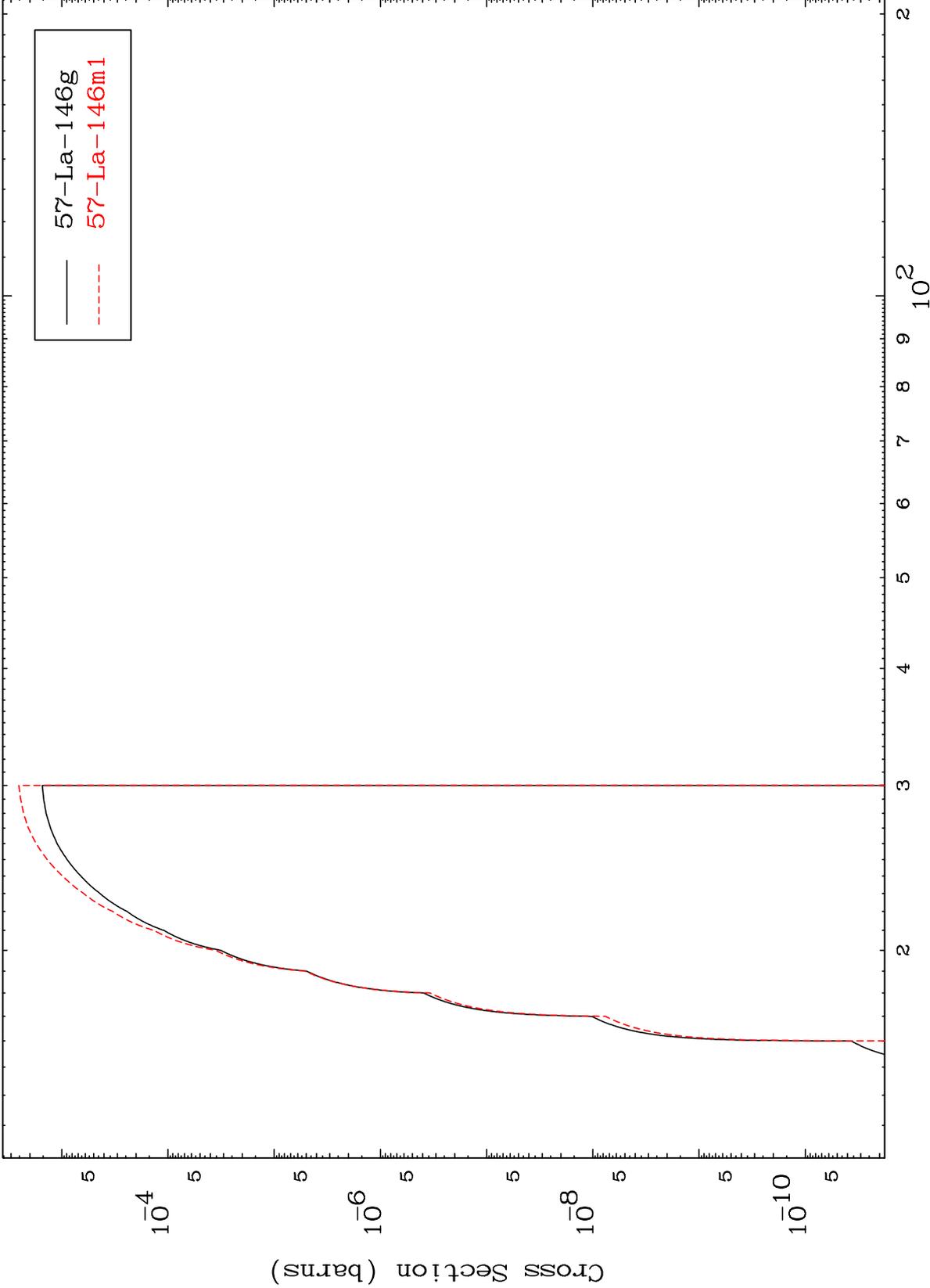
58-Ce-149

MAT 5864

(n,n') t

58-Ce-149

Radionuclide Production Cross Section



84

Incident Energy (MeV)

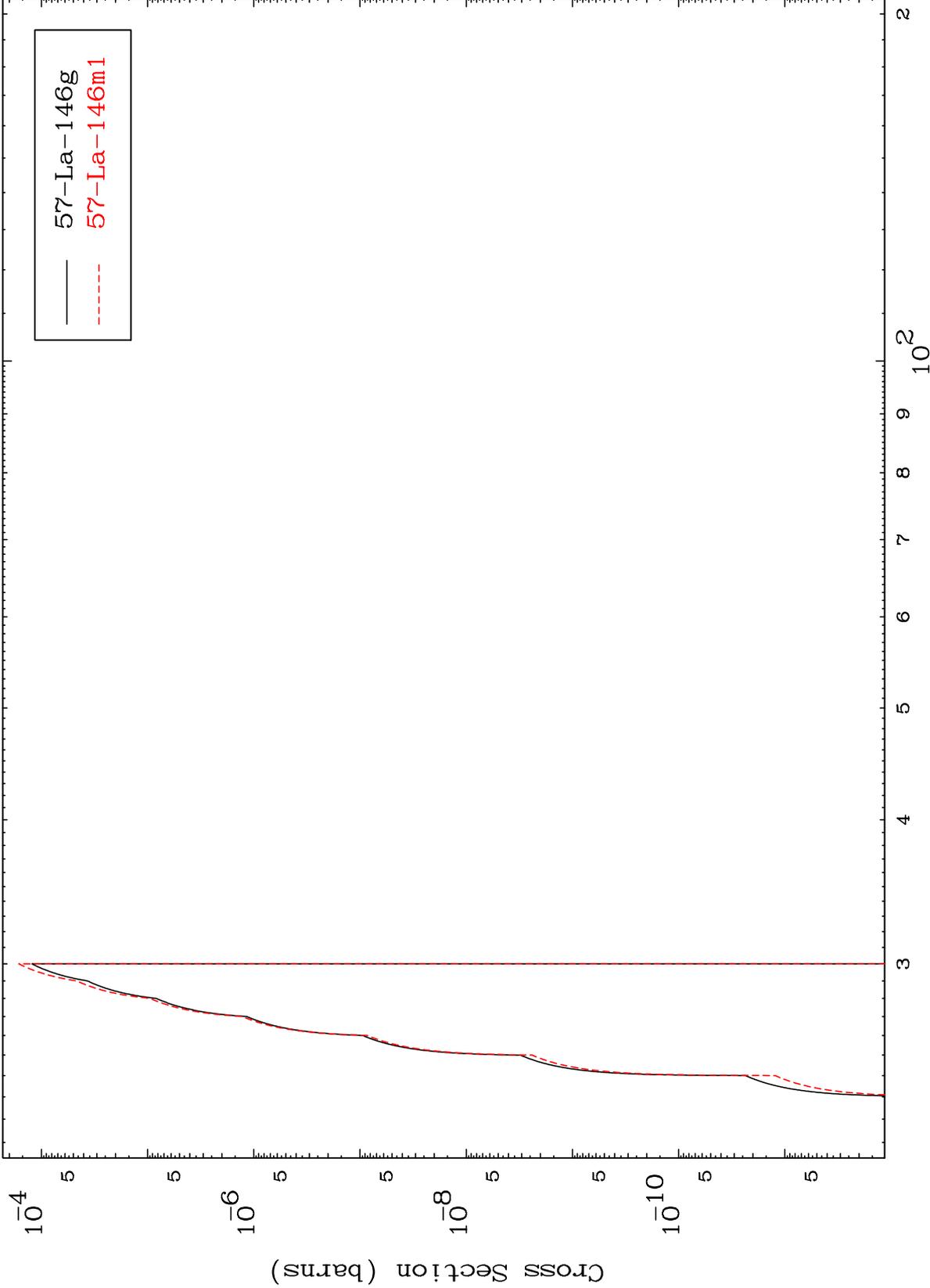
58-Ce-149

MAT 5864

(n,3n) p

58-Ce-149

Radionuclide Production Cross Section



85

Incident Energy (MeV)

58-Ce-149