

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

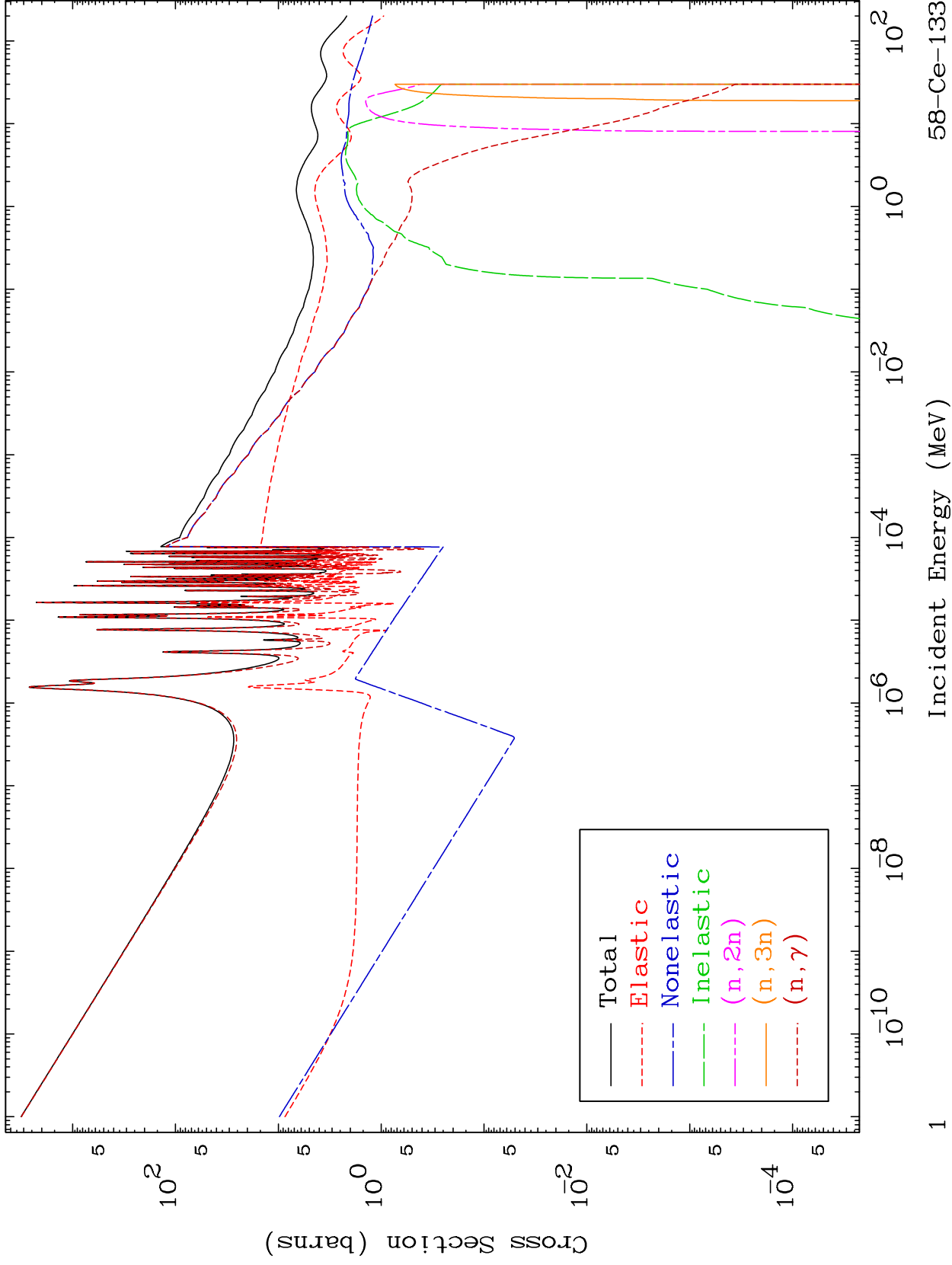
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5816

Neutron Major
293 Kelvin Cross Sections

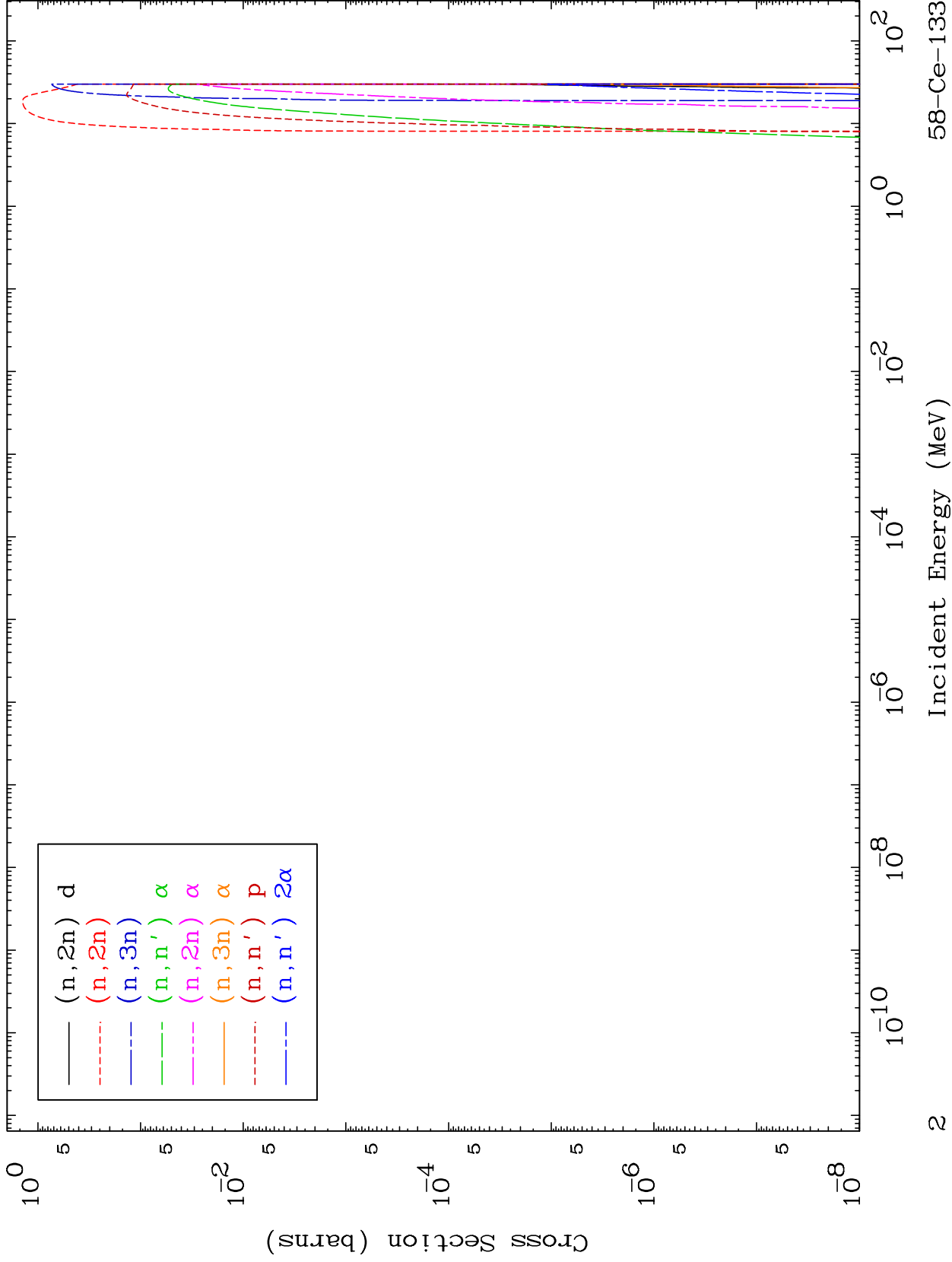
58-Ce-133



MAT 5816

Neutron Absorption
293 Kelvin Cross Sections

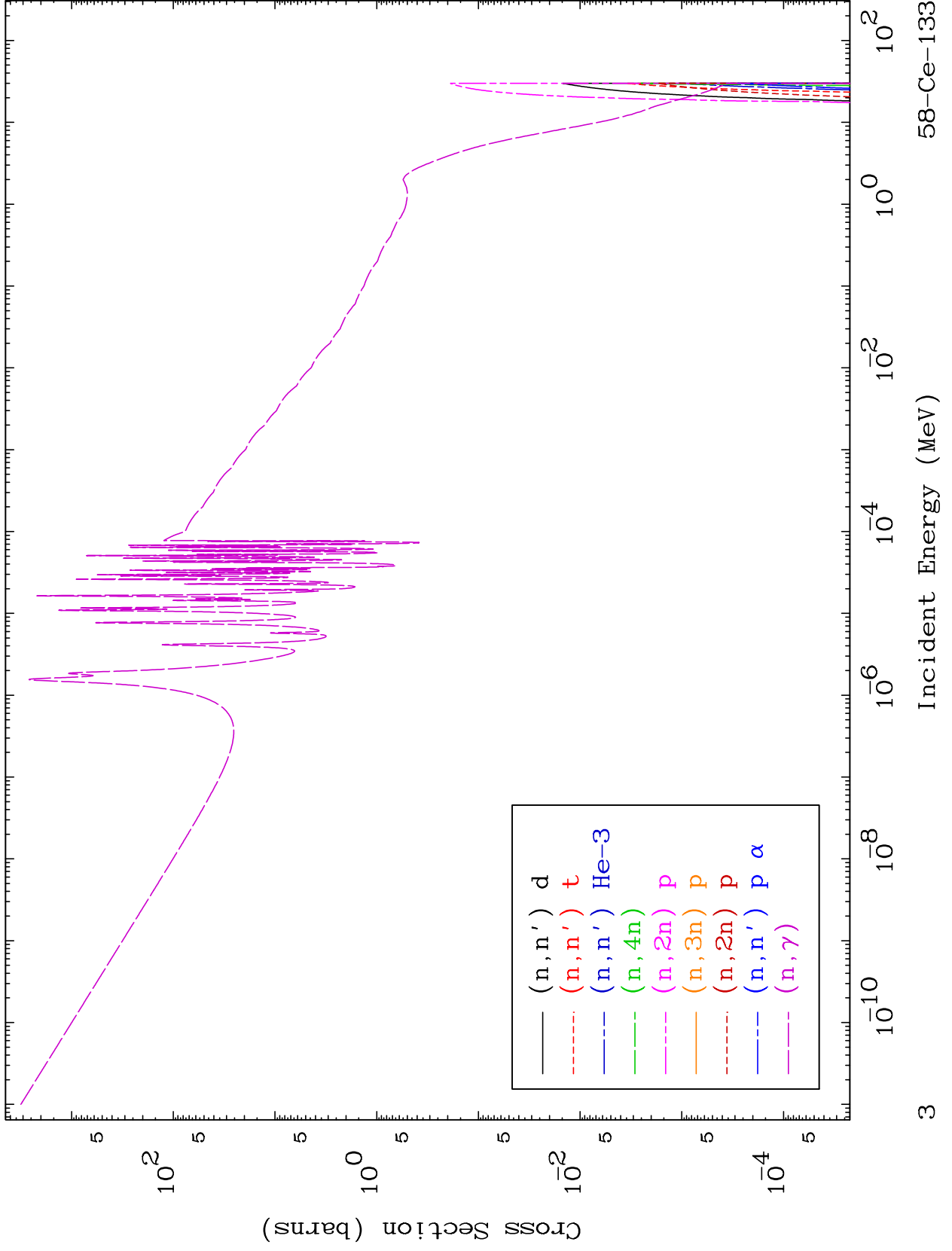
58-Ce-133



MAT 5816

Neutron Absorption
293 Kelvin Cross Sections

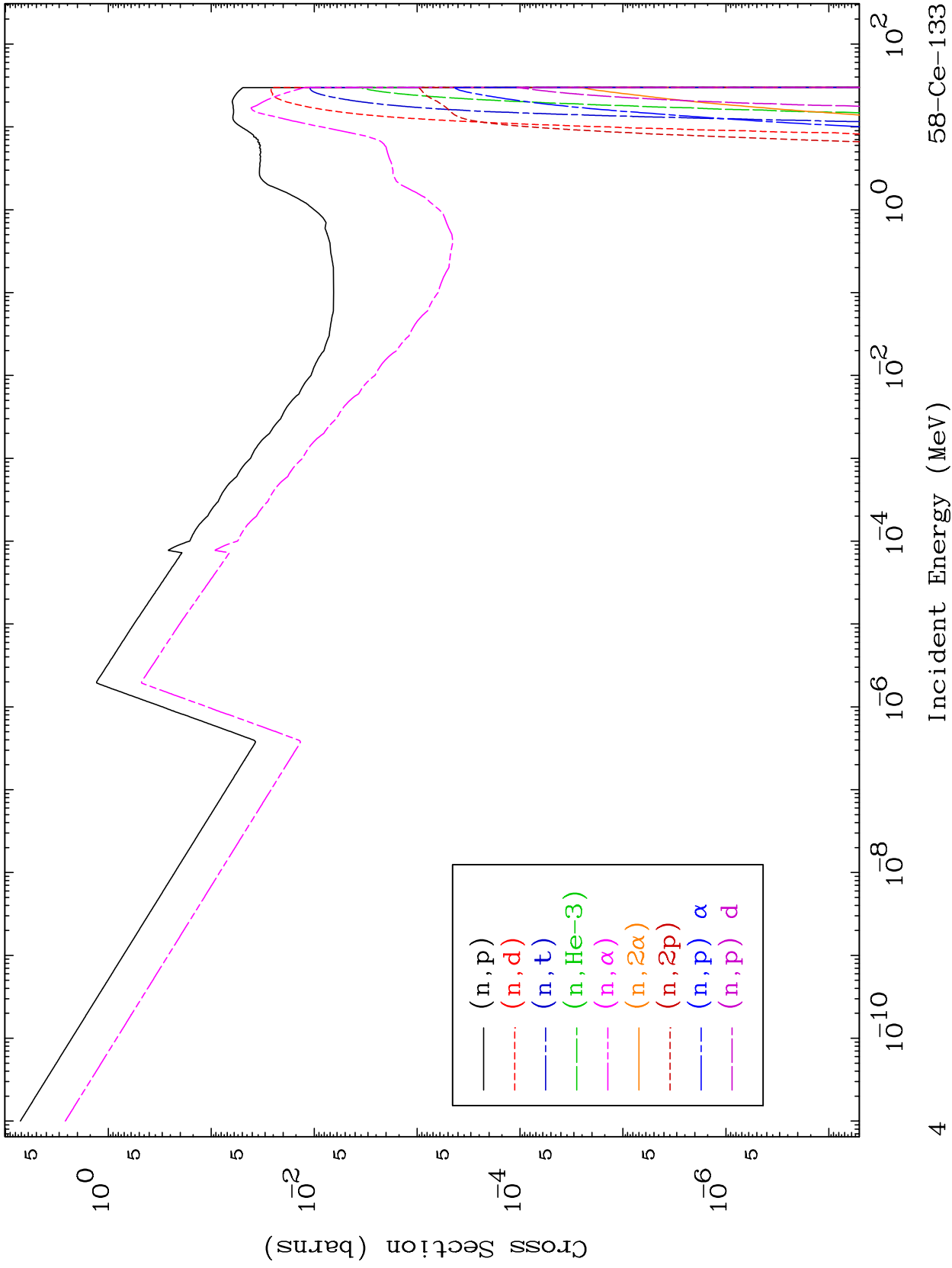
58-Ce-133

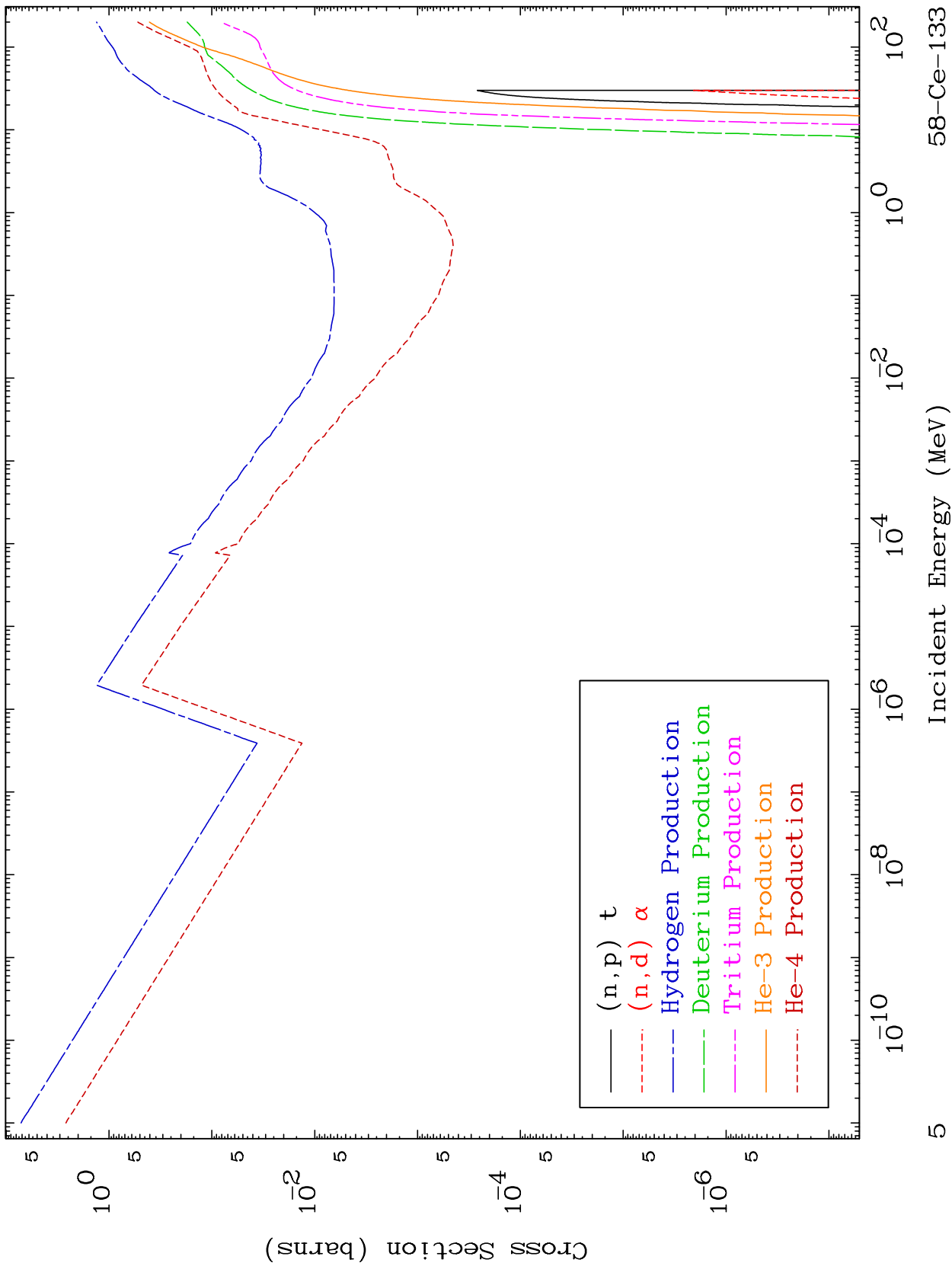


MAT 5816

Neutron Absorption
293 Kelvin Cross Sections

58-Ce-133

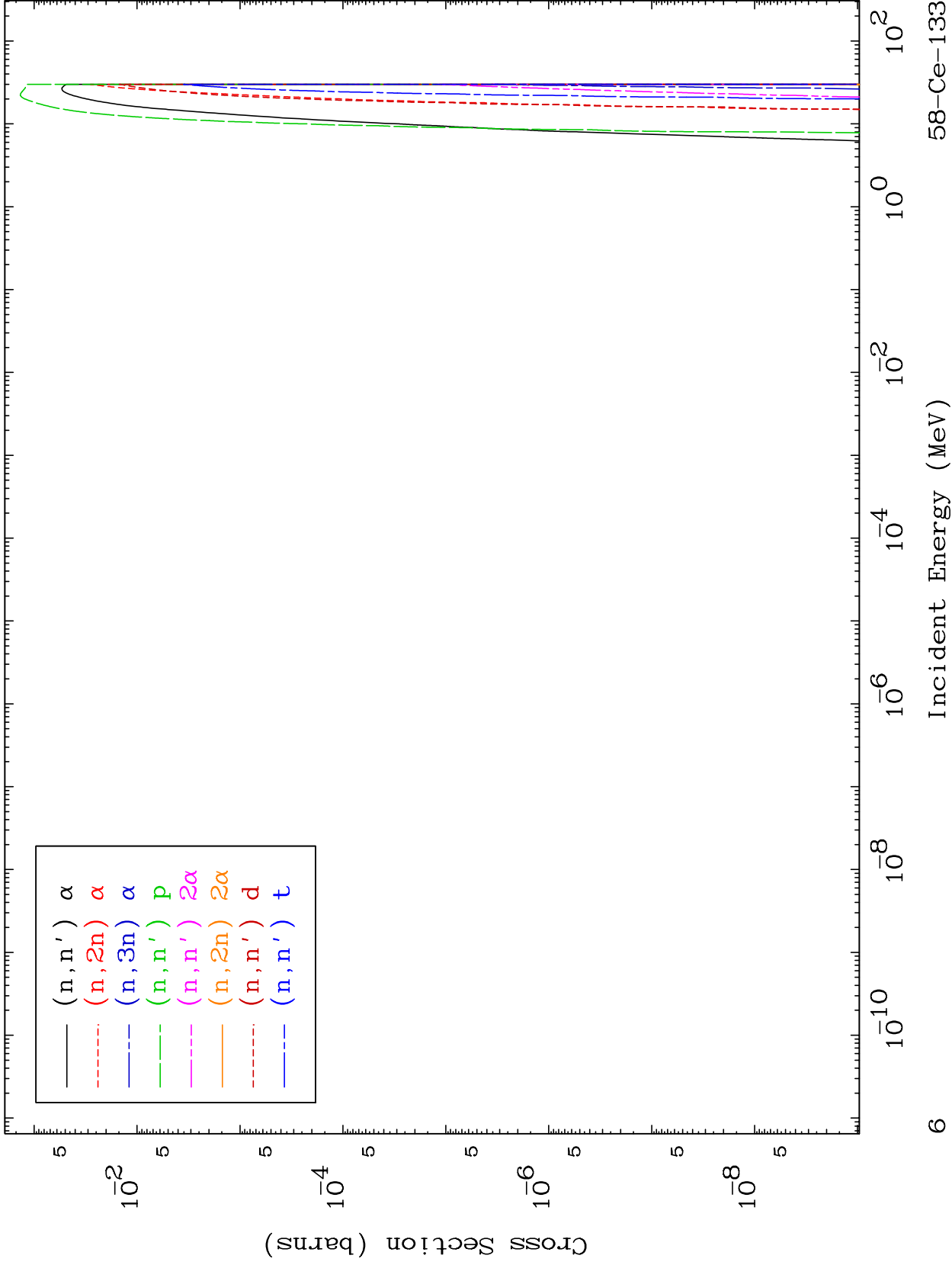




MAT 5816

Charged Particle
293 Kelvin Cross Sections

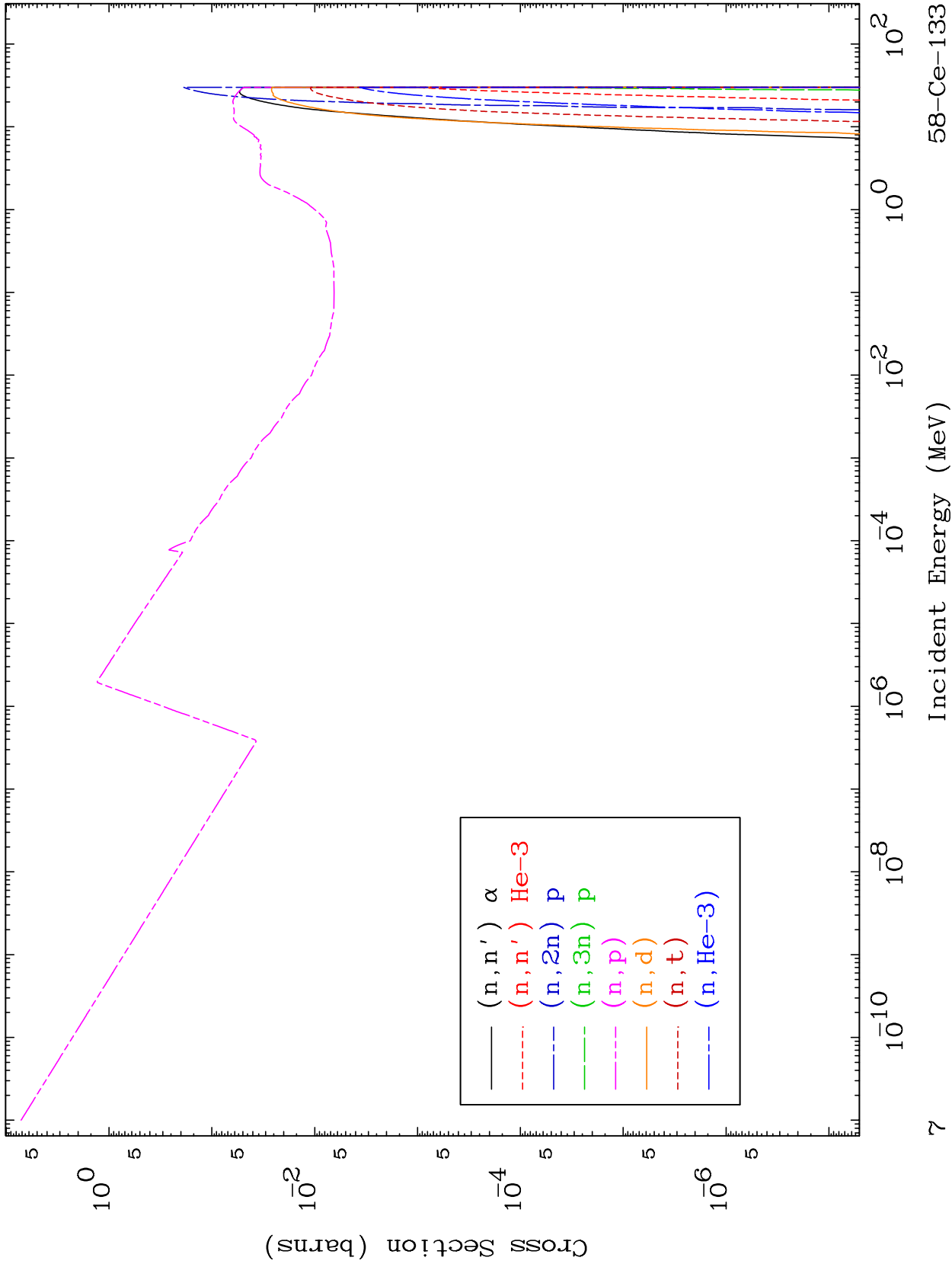
58-Ce-133



MAT 5816

Charged Particle
293 Kelvin Cross Sections

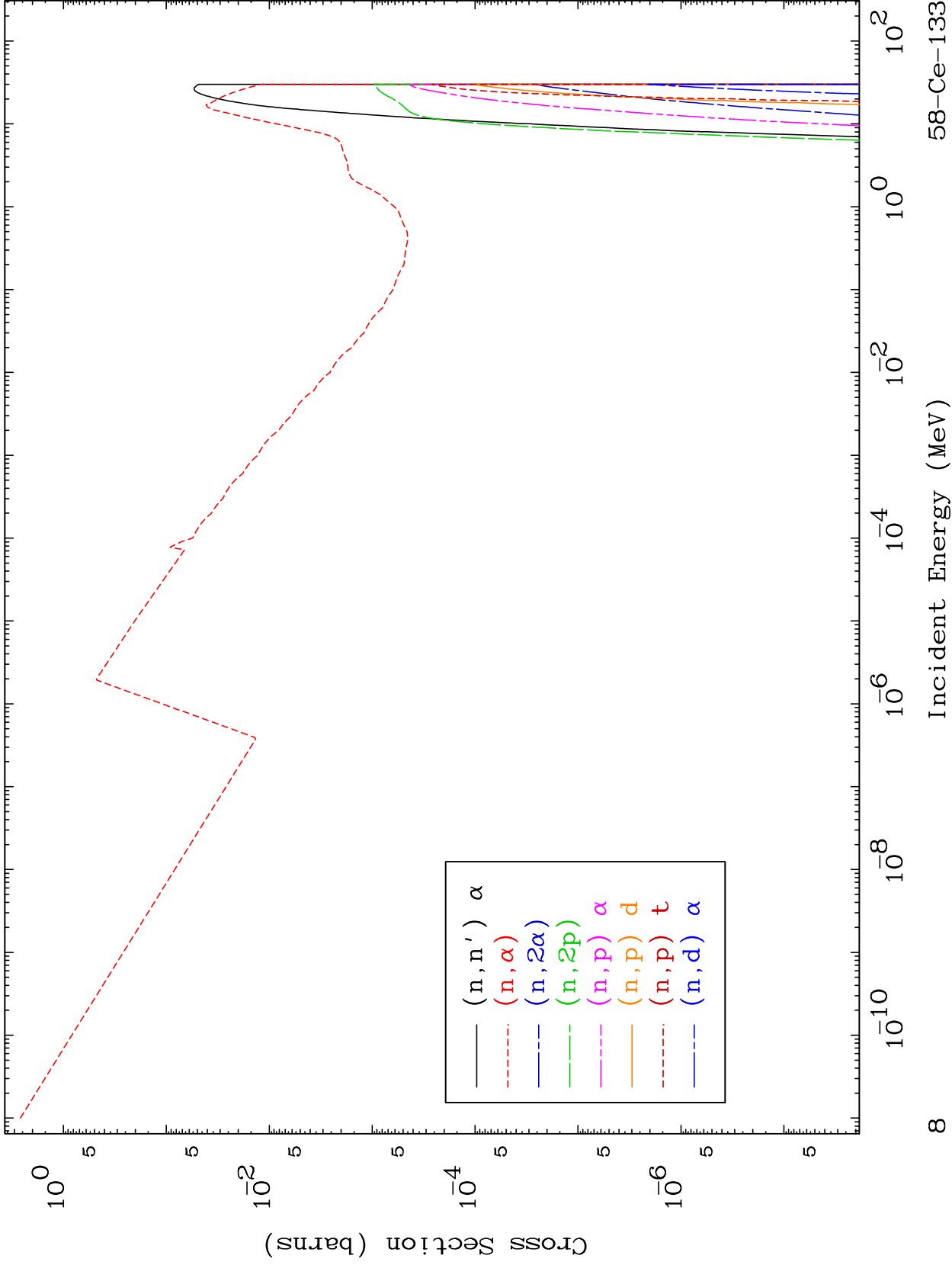
58-Ce-133



MAT 5816

Charged Particle
293 Kelvin Cross Sections

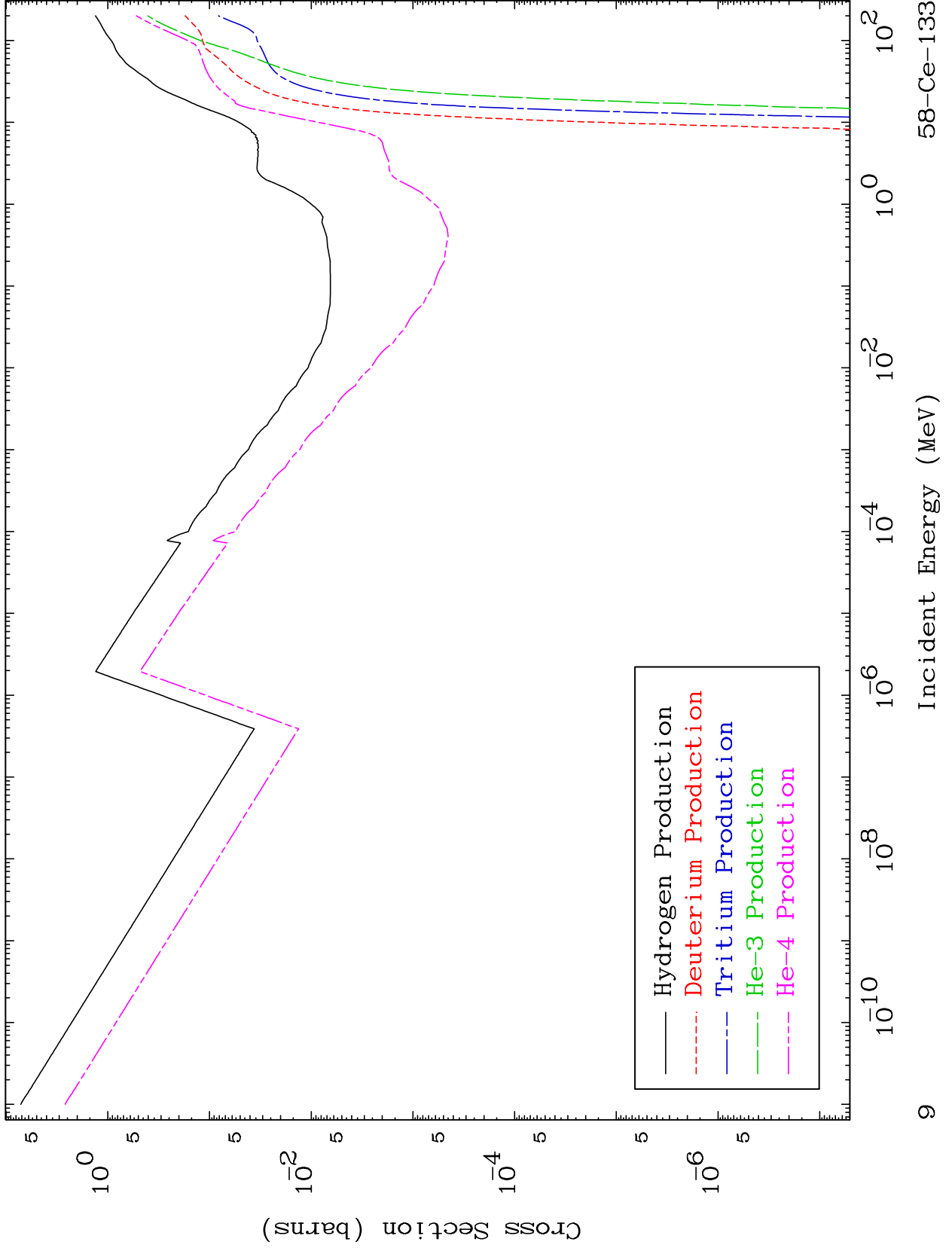
58-Ce-133



MAT 5816

Particle Production
293 Kelvin Cross Sections

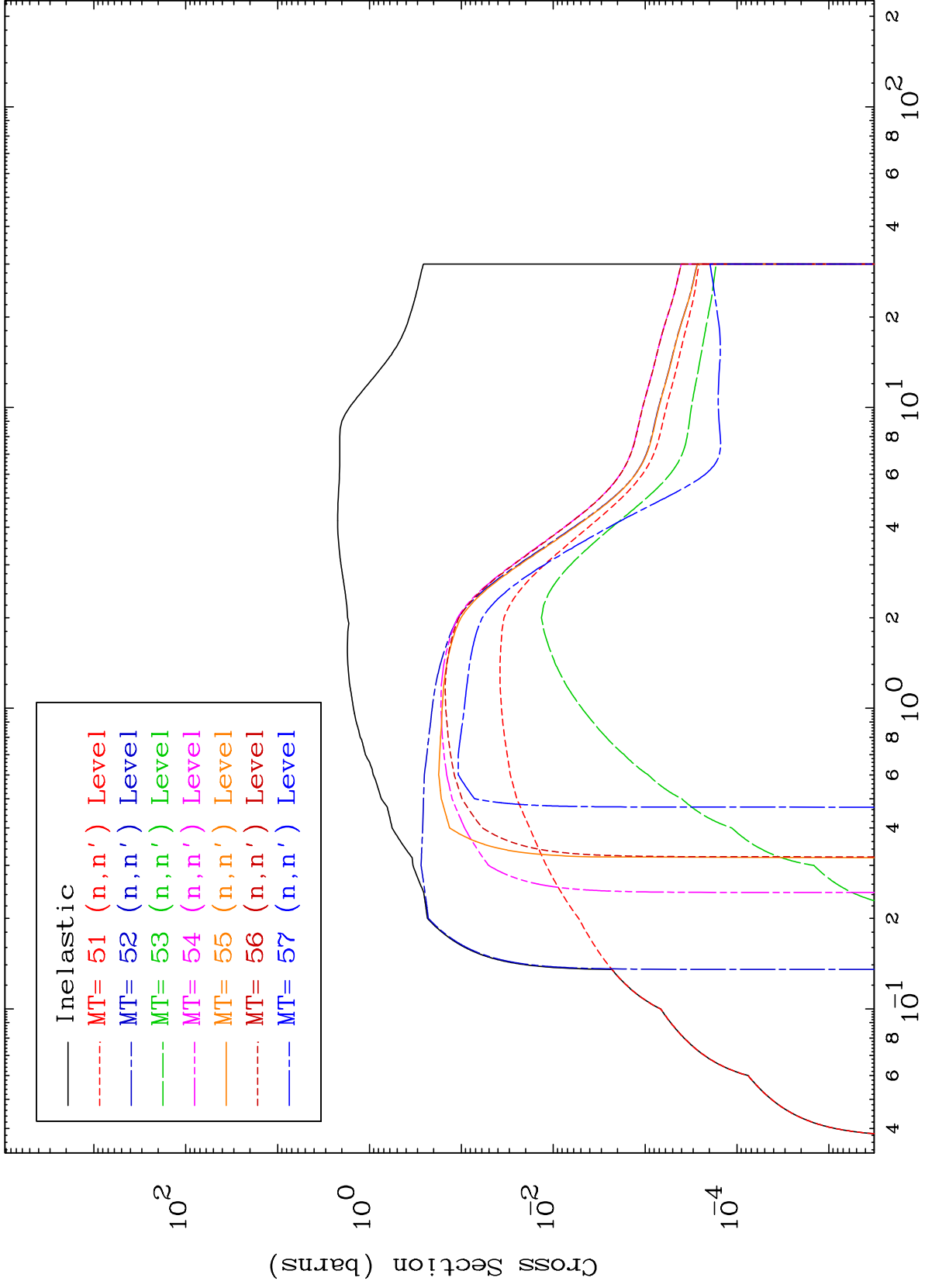
58-Ce-133



MAT 5816

(n,n') Levels
293 Kelvin Cross Sections

58-Ce-133



10

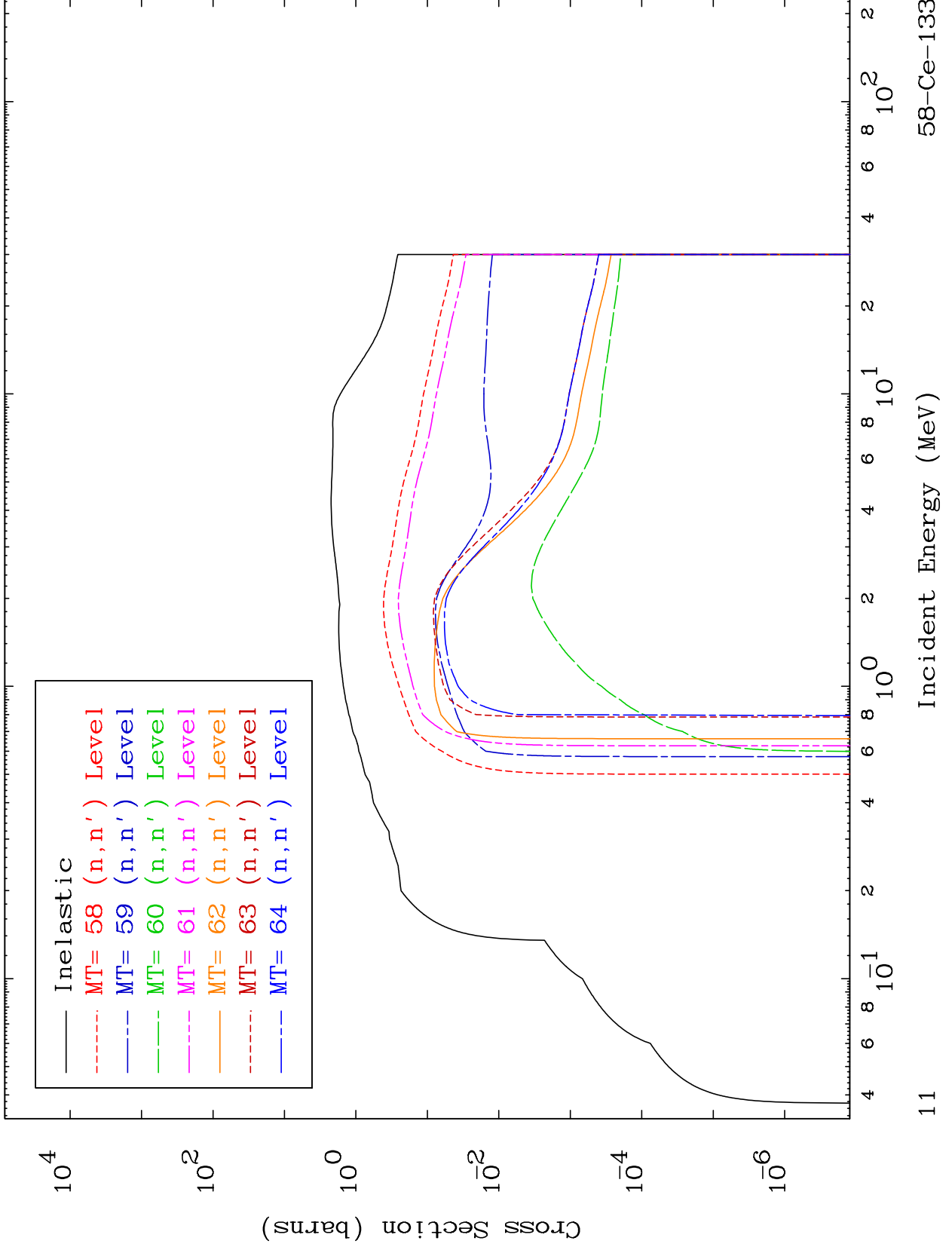
Incident Energy (MeV)

58-Ce-133

MAT 5816

(n,n') Levels
293 Kelvin Cross Sections

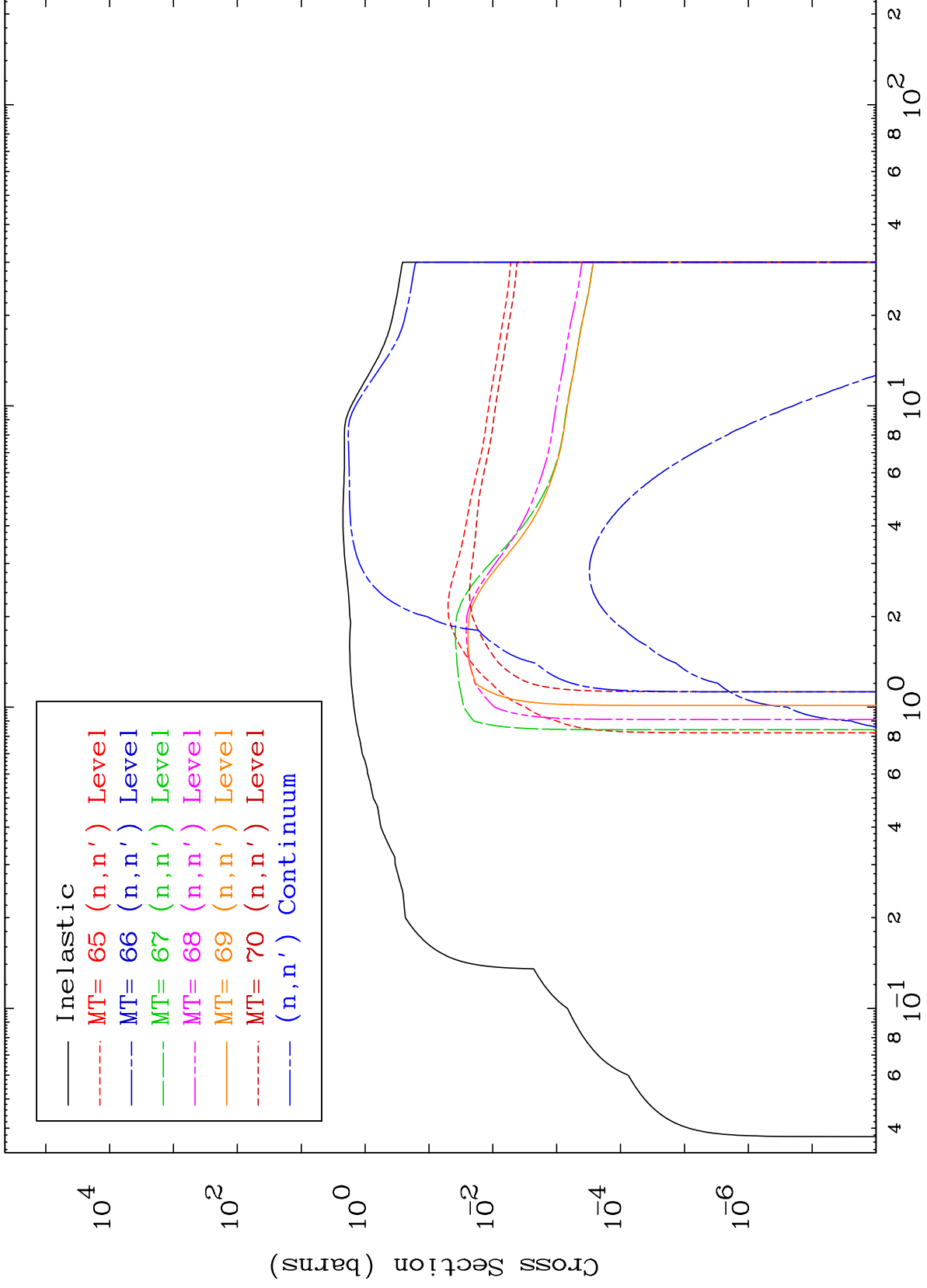
58-Ce-133



MAT 5816

(n,n') Levels
293 Kelvin Cross Sections

58-Ce-133



12

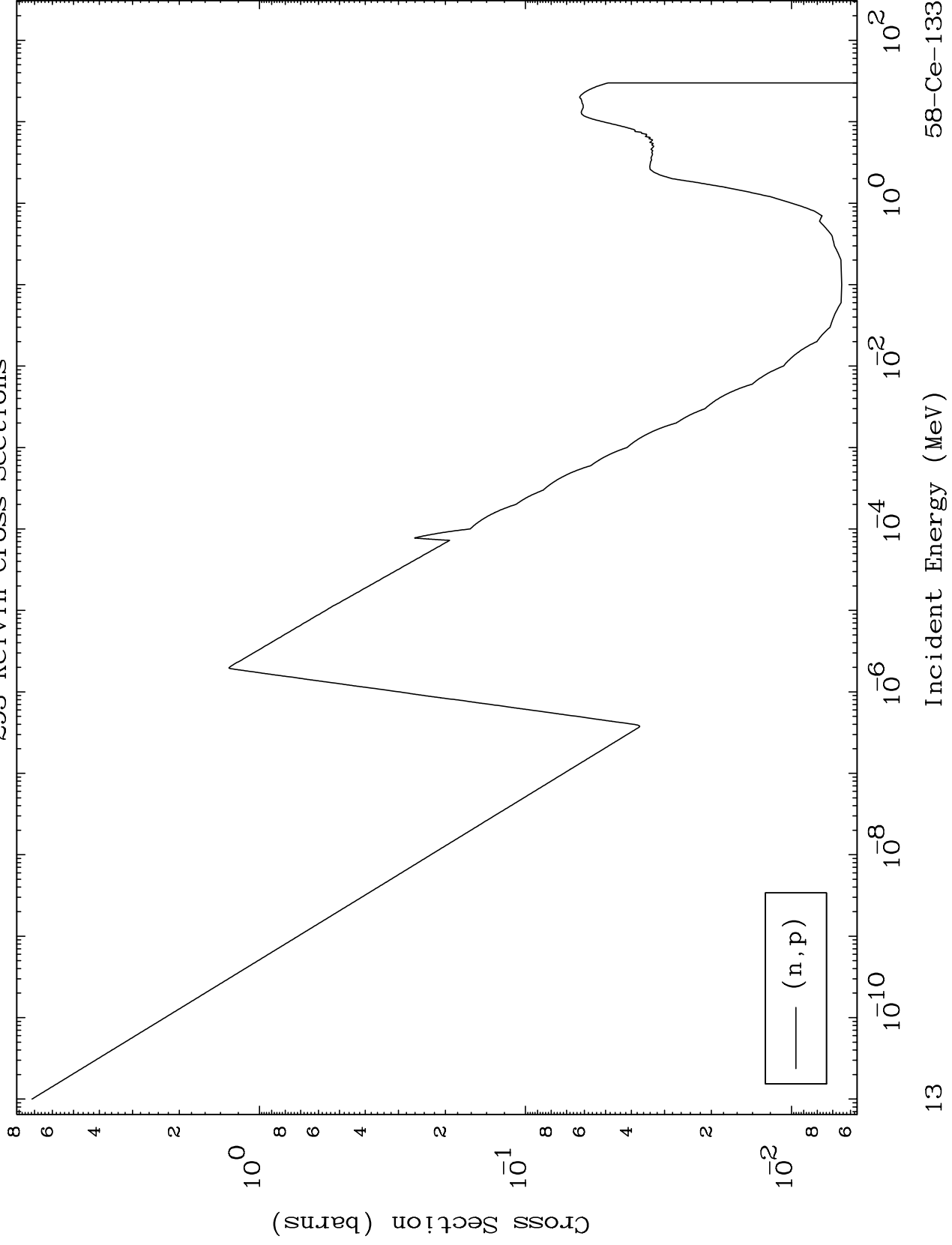
Incident Energy (MeV)

58-Ce-133

MAT 5816

(n,p) Levels
293 Kelvin Cross Sections

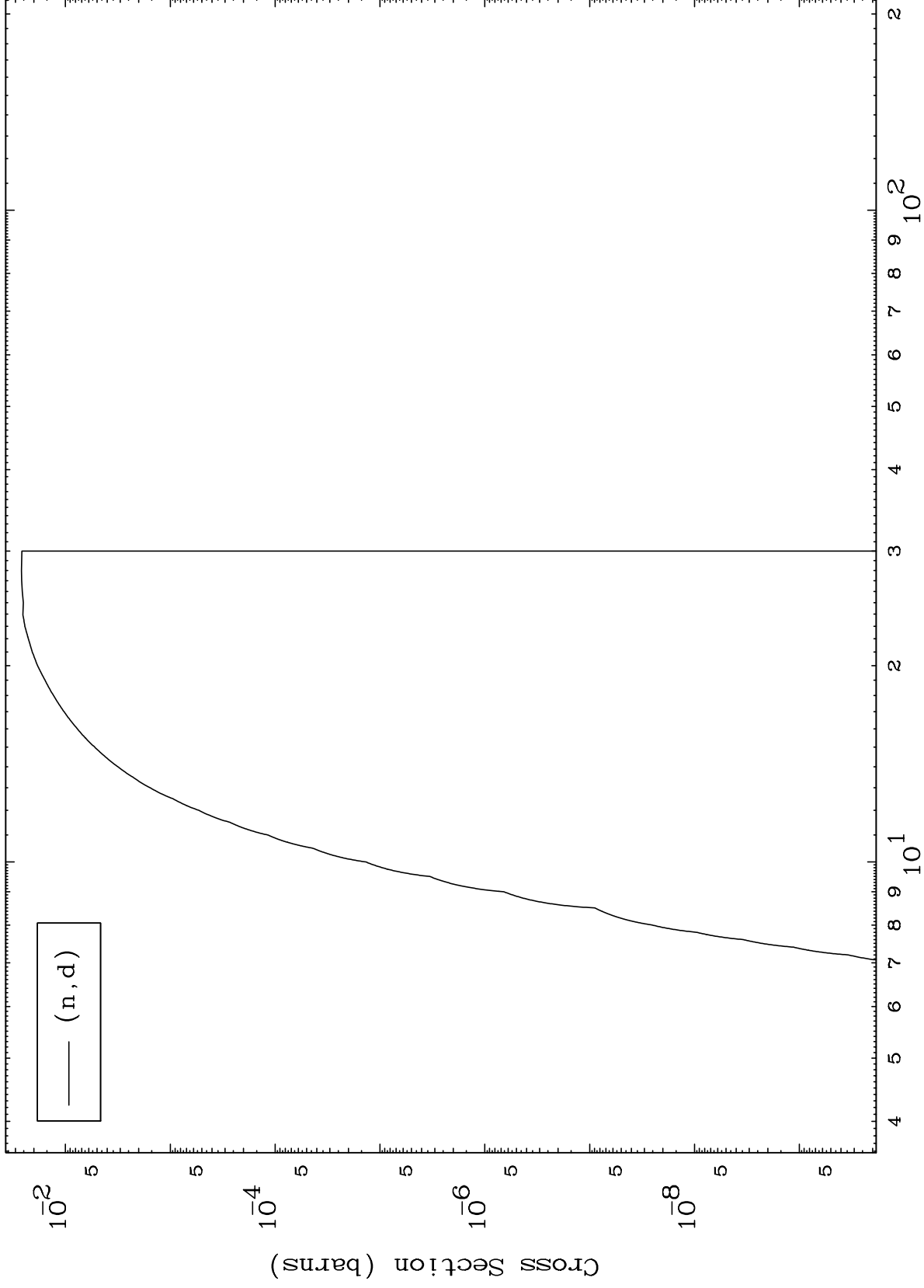
58-Ce-133



MAT 5816

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-133



14

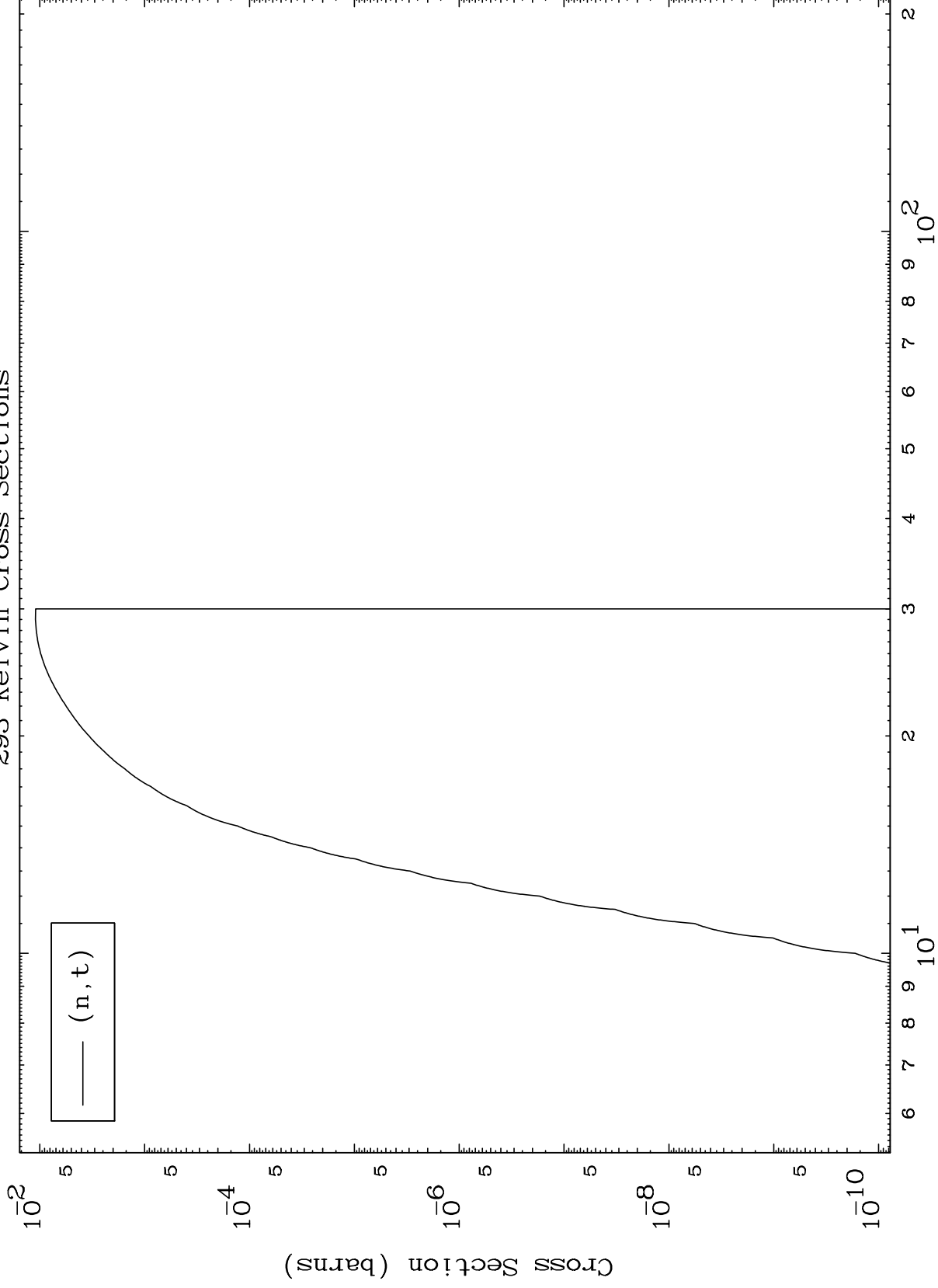
Incident Energy (MeV)

58-Ce-133

MAT 5816

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-133



15

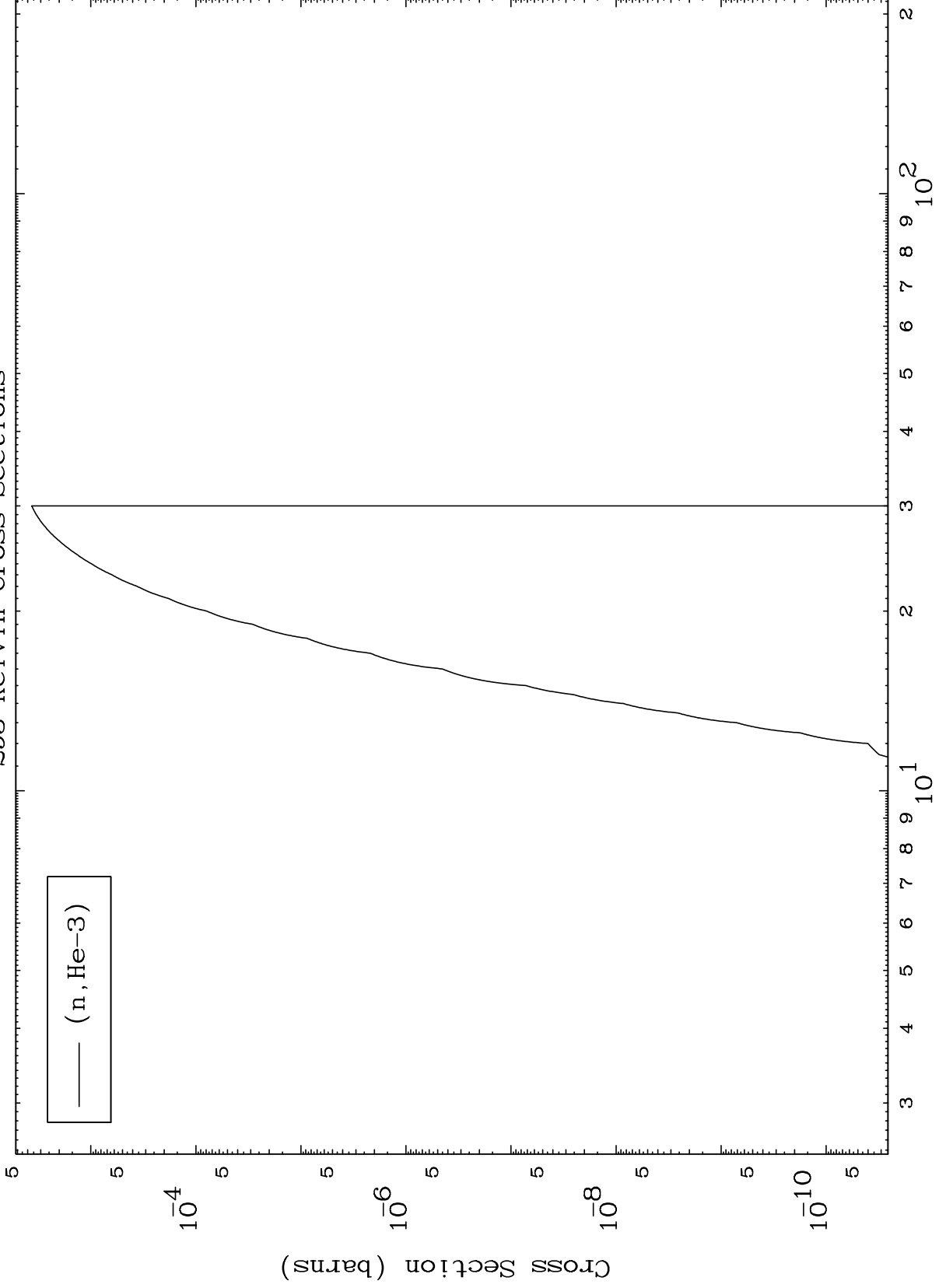
Incident Energy (MeV)

58-Ce-133

MAT 5816

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-133



16

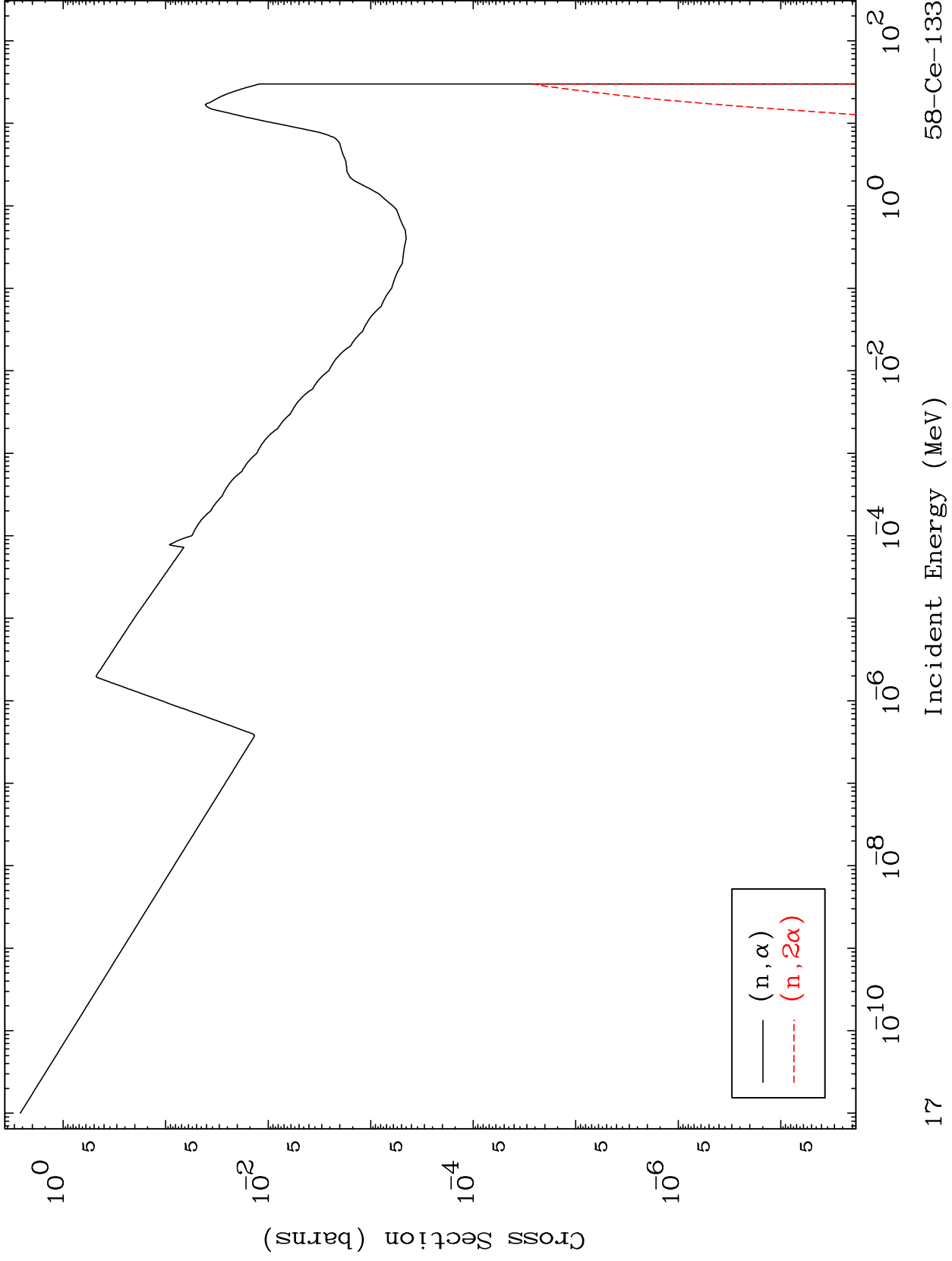
Incident Energy (MeV)

58-Ce-133

MAT 5816

(n, α) Levels
293 Kelvin Cross Sections

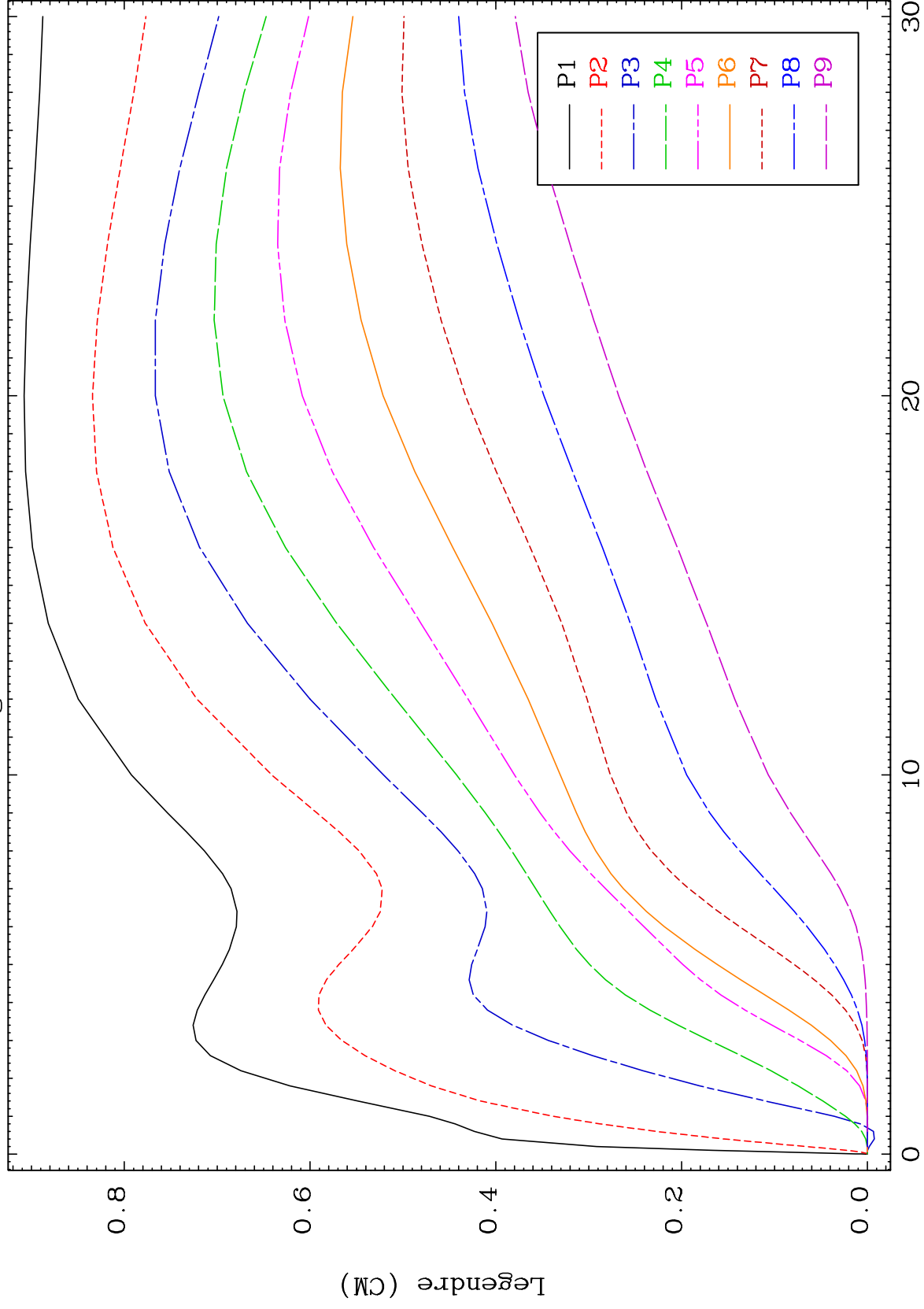
58-Ce-133



MAT 5816

Elastic Legendre Coefficients

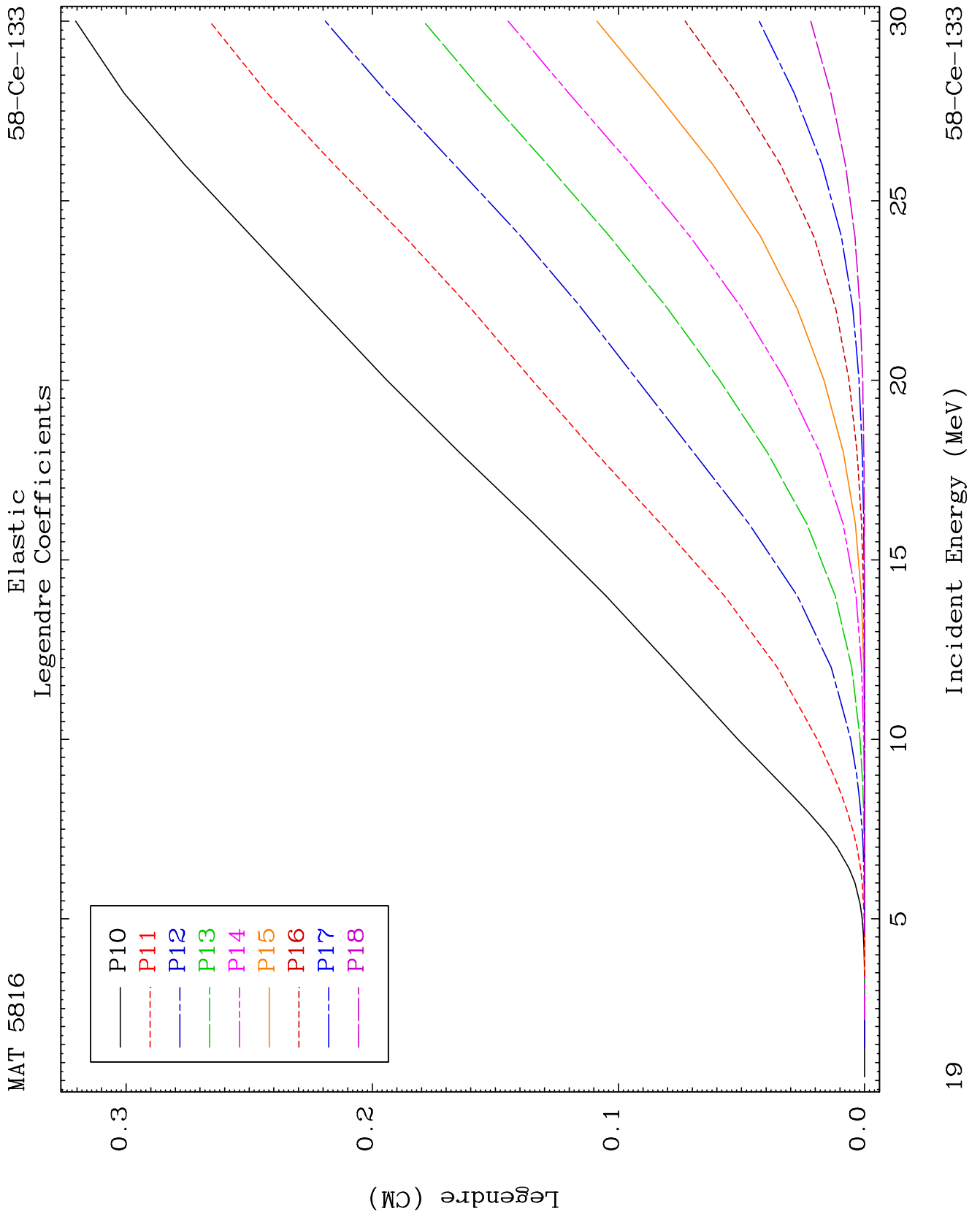
58-Ce-133



18

Incident Energy (MeV)

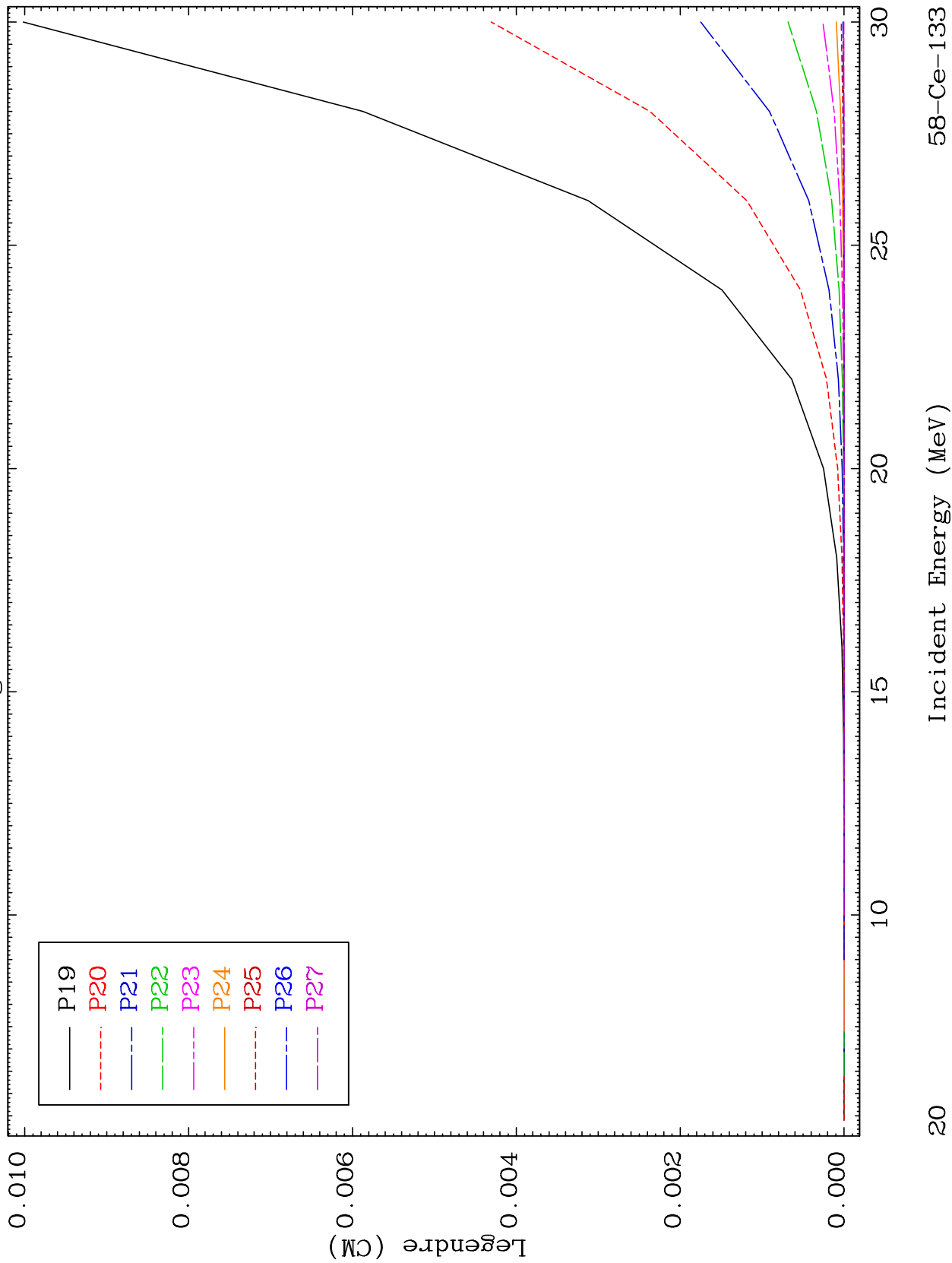
58-Ce-133



MAT 5816

Elastic
Legendre Coefficients

58-Ce-133



20

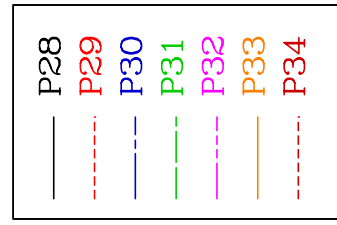
Incident Energy (MeV)

58-Ce-133

MAT 5816

Elastic
Legendre Coefficients

58-Ce-133



$\times 10^{-7}$

Legendre (CM)

8

6

4

2

0

10

15

20

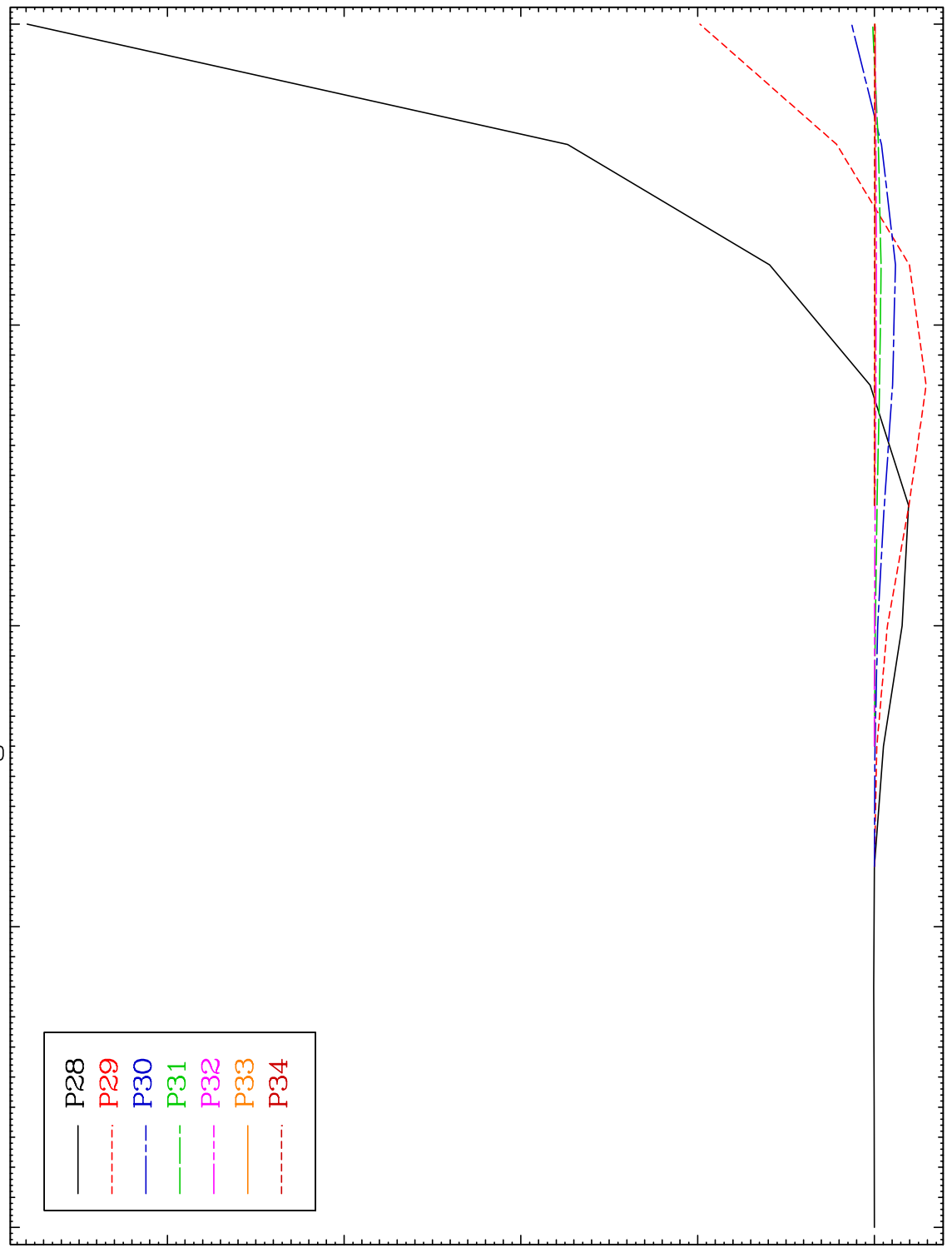
25

30

21

Incident Energy (MeV)

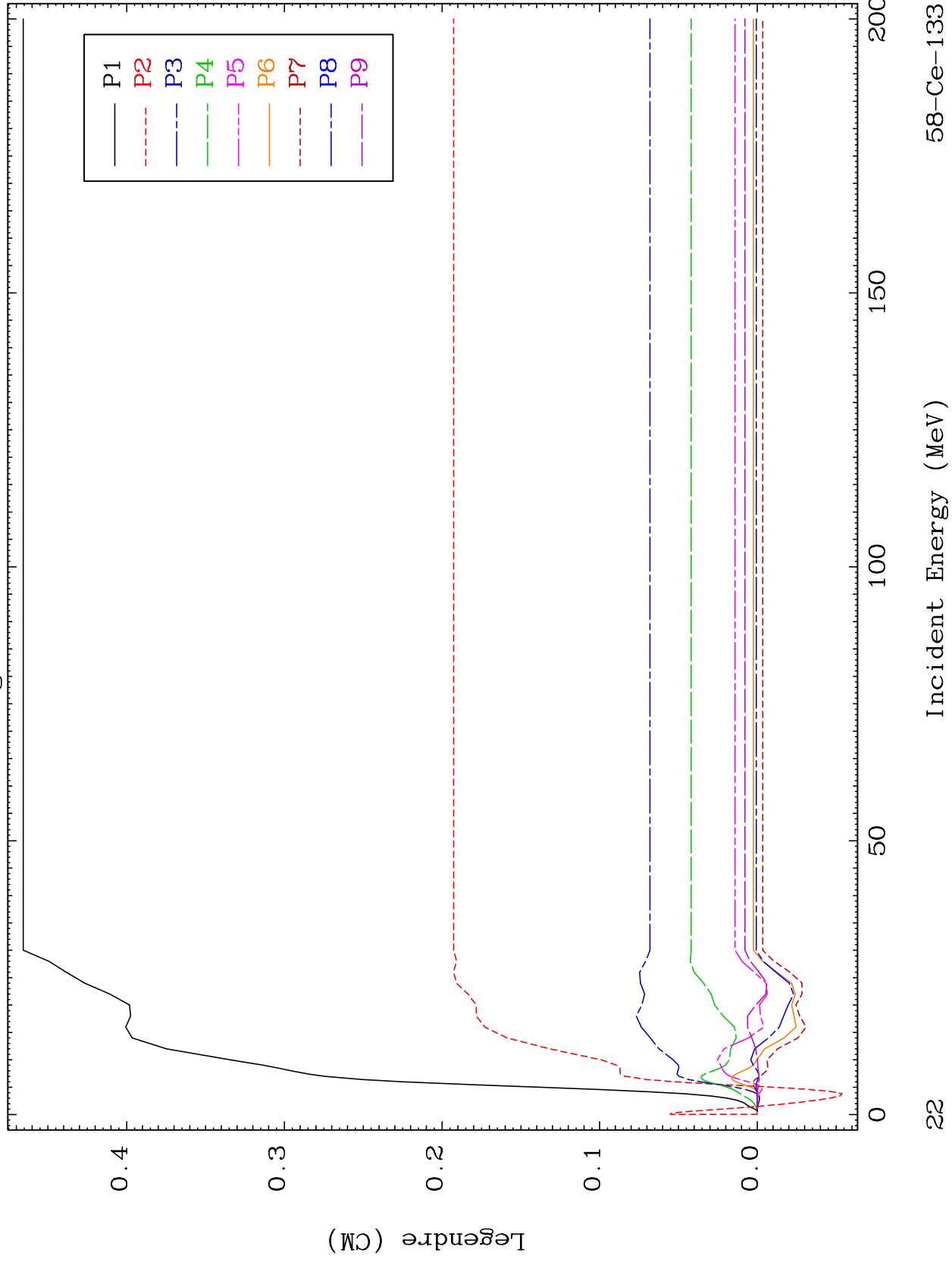
58-Ce-133



MAT 5816

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

58-Ce-133



58-Ce-133

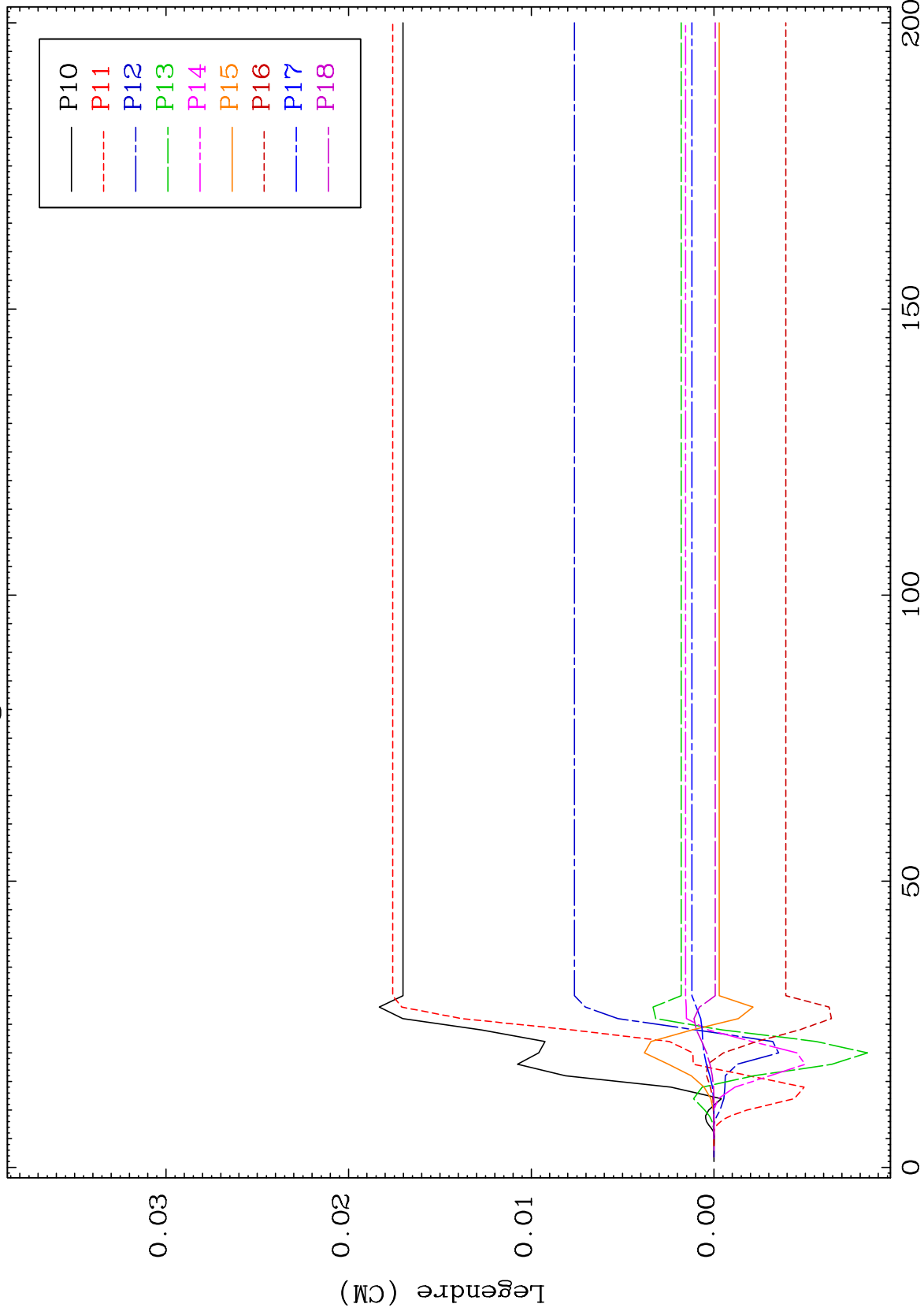
Incident Energy (MeV)

22

MAT 5816

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

58-Ce-133



23

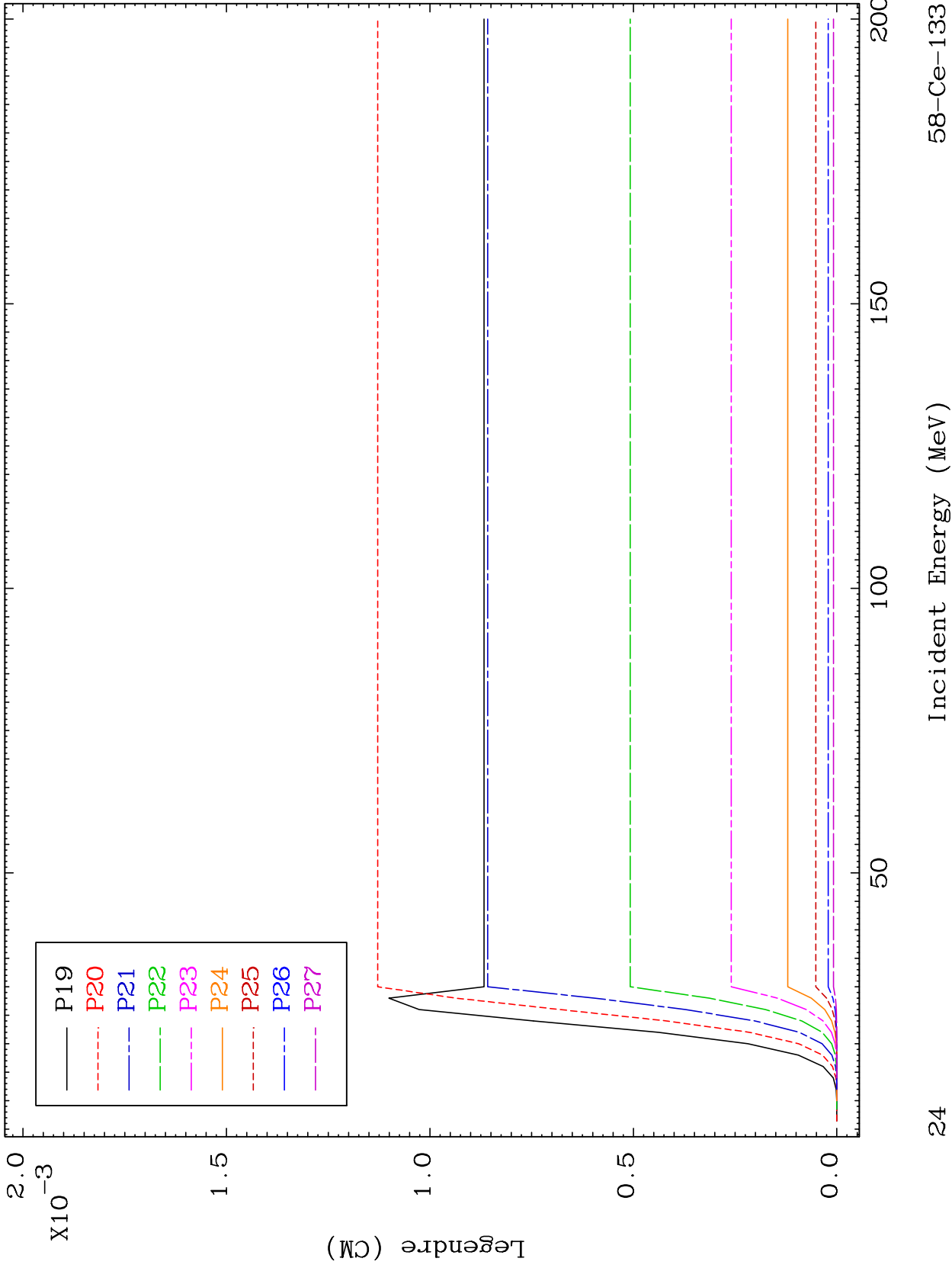
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

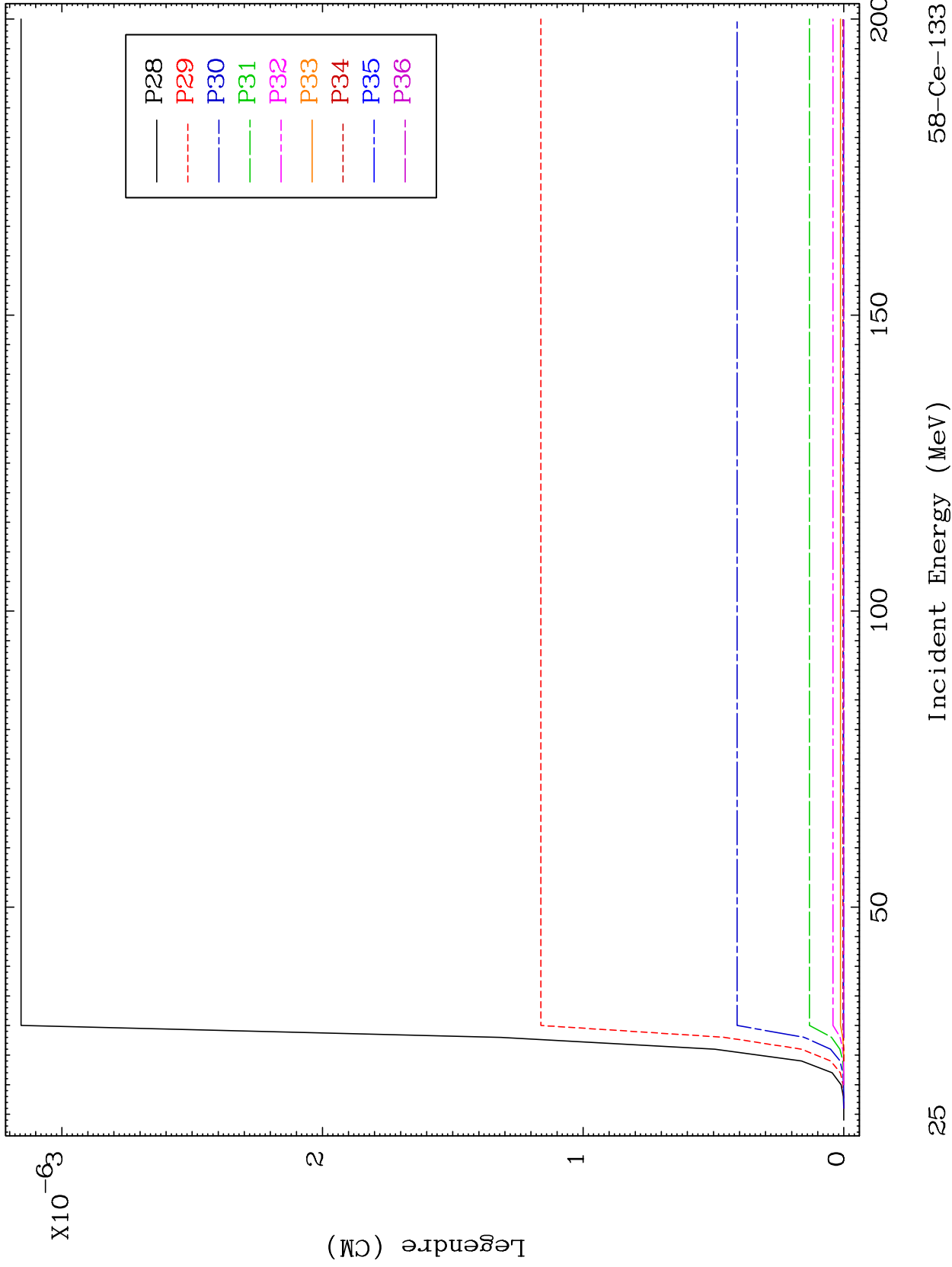
58-Ce-133



MAT 5816

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

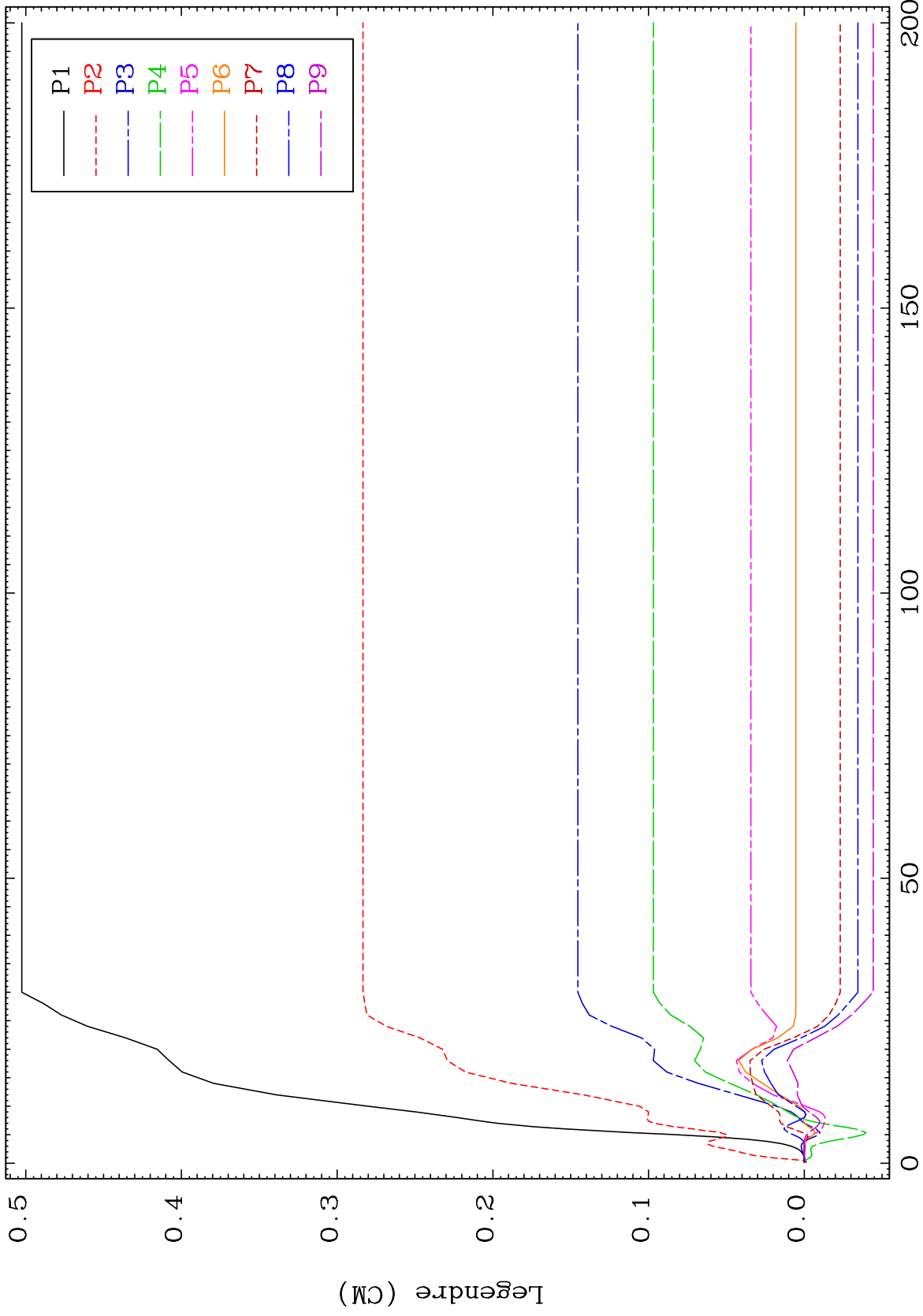
58-Ce-133



MAT 5816

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

58-Ce-133



26

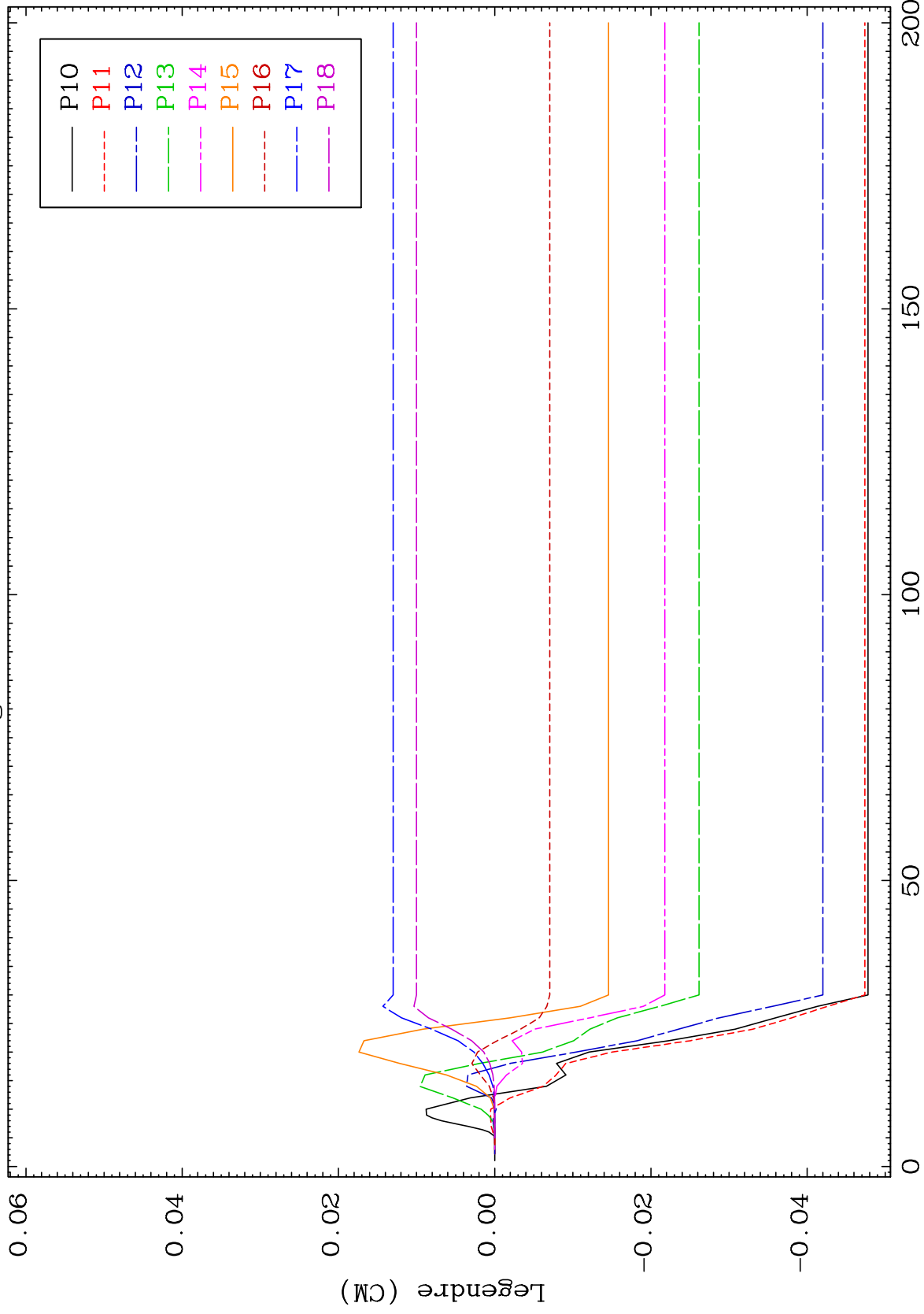
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



27

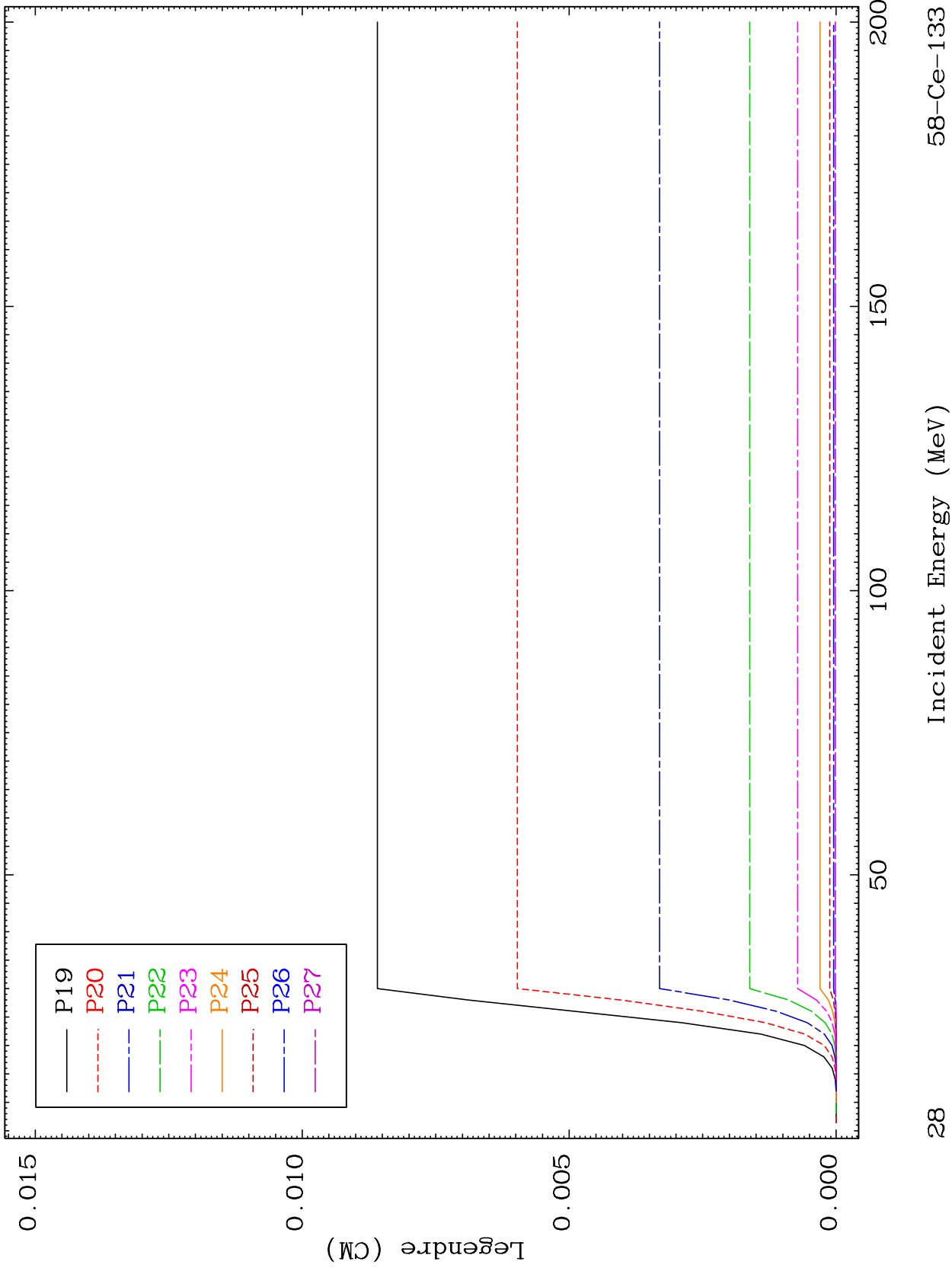
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



28

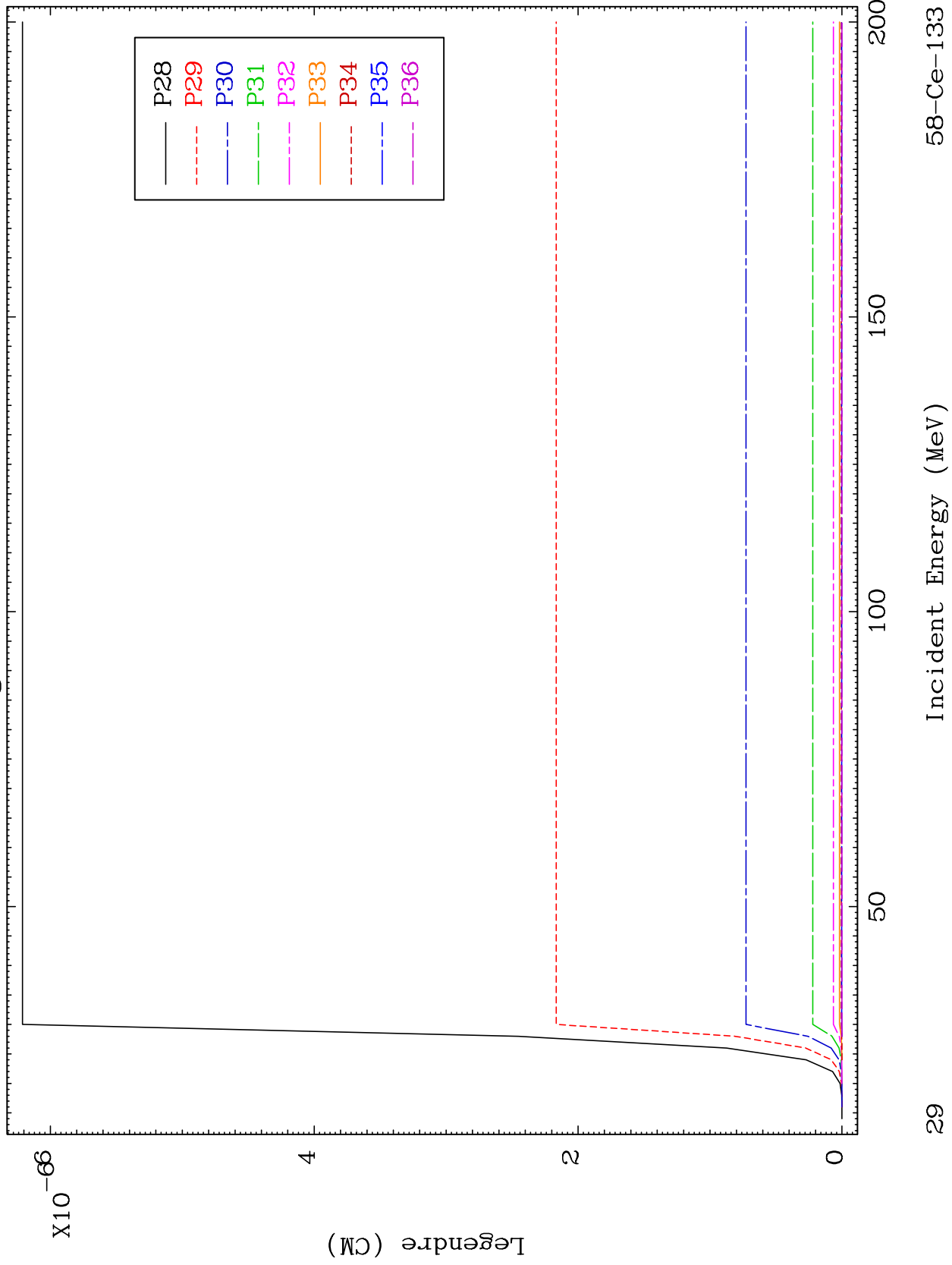
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



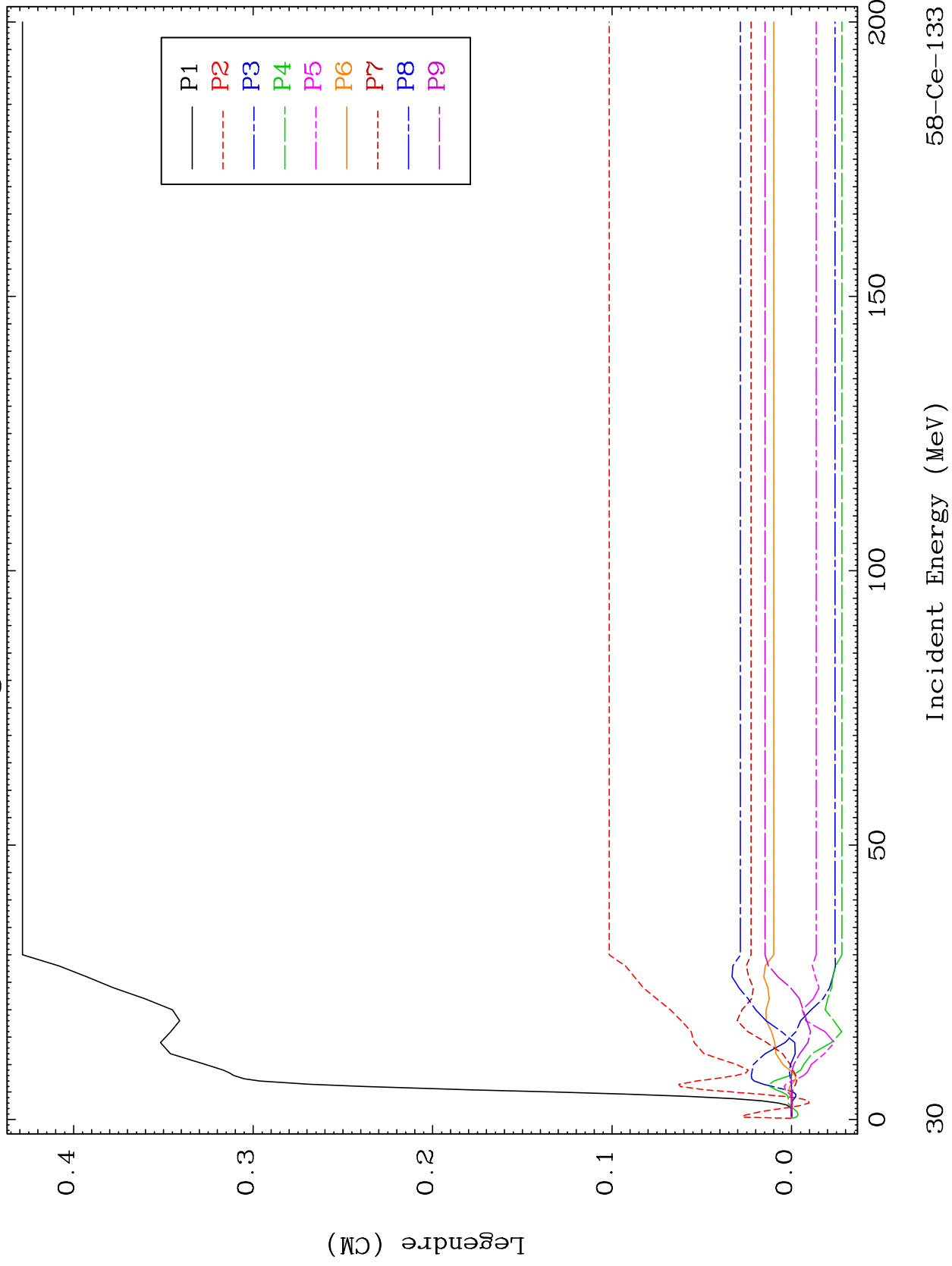
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58-Ce-133

MAT 5816

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

58-Ce-133



58-Ce-133

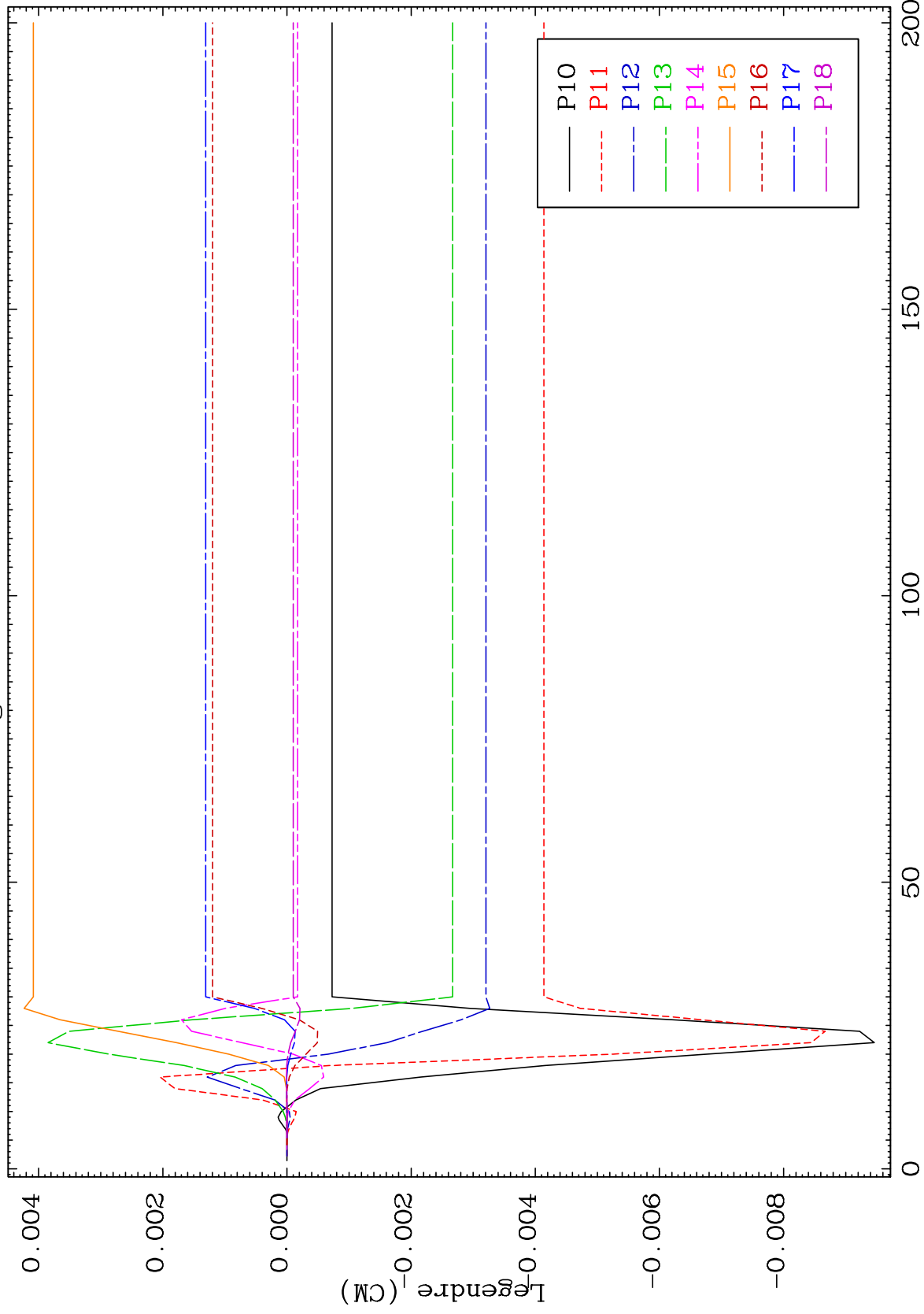
Incident Energy (MeV)

30

MAT 5816

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

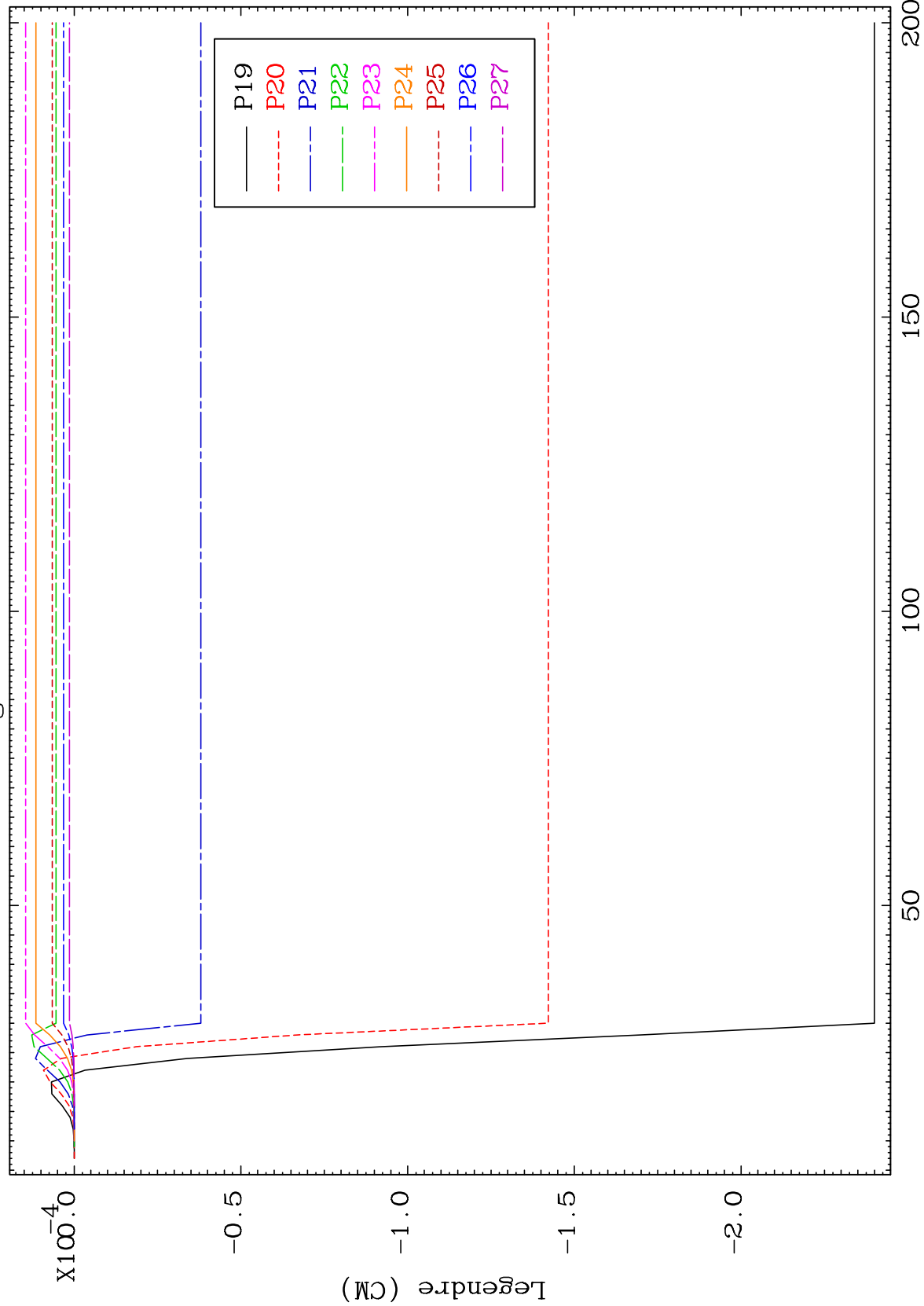
58-Ce-133



31

Incident Energy (MeV)

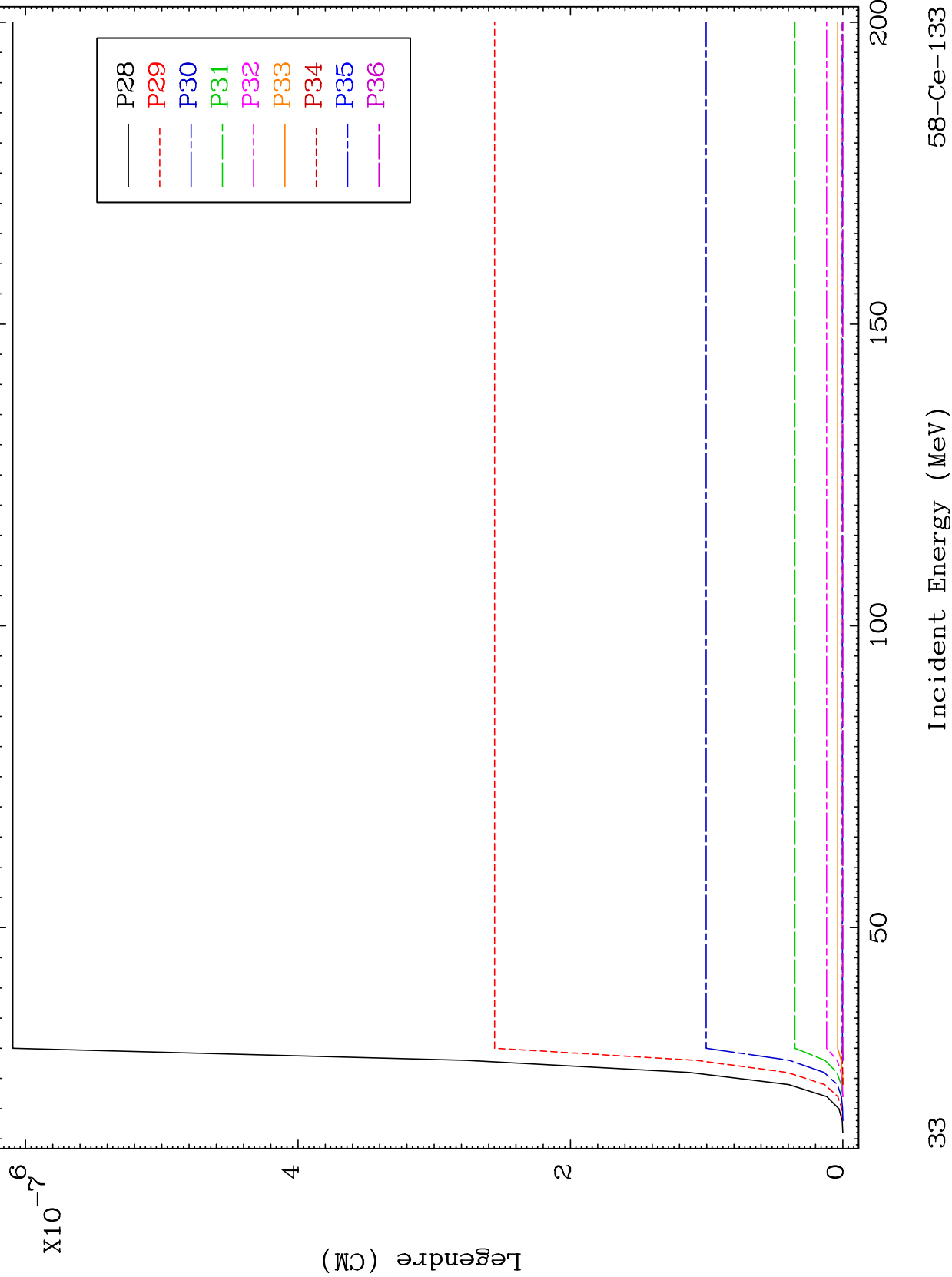
58-Ce-133



MAT 5816

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

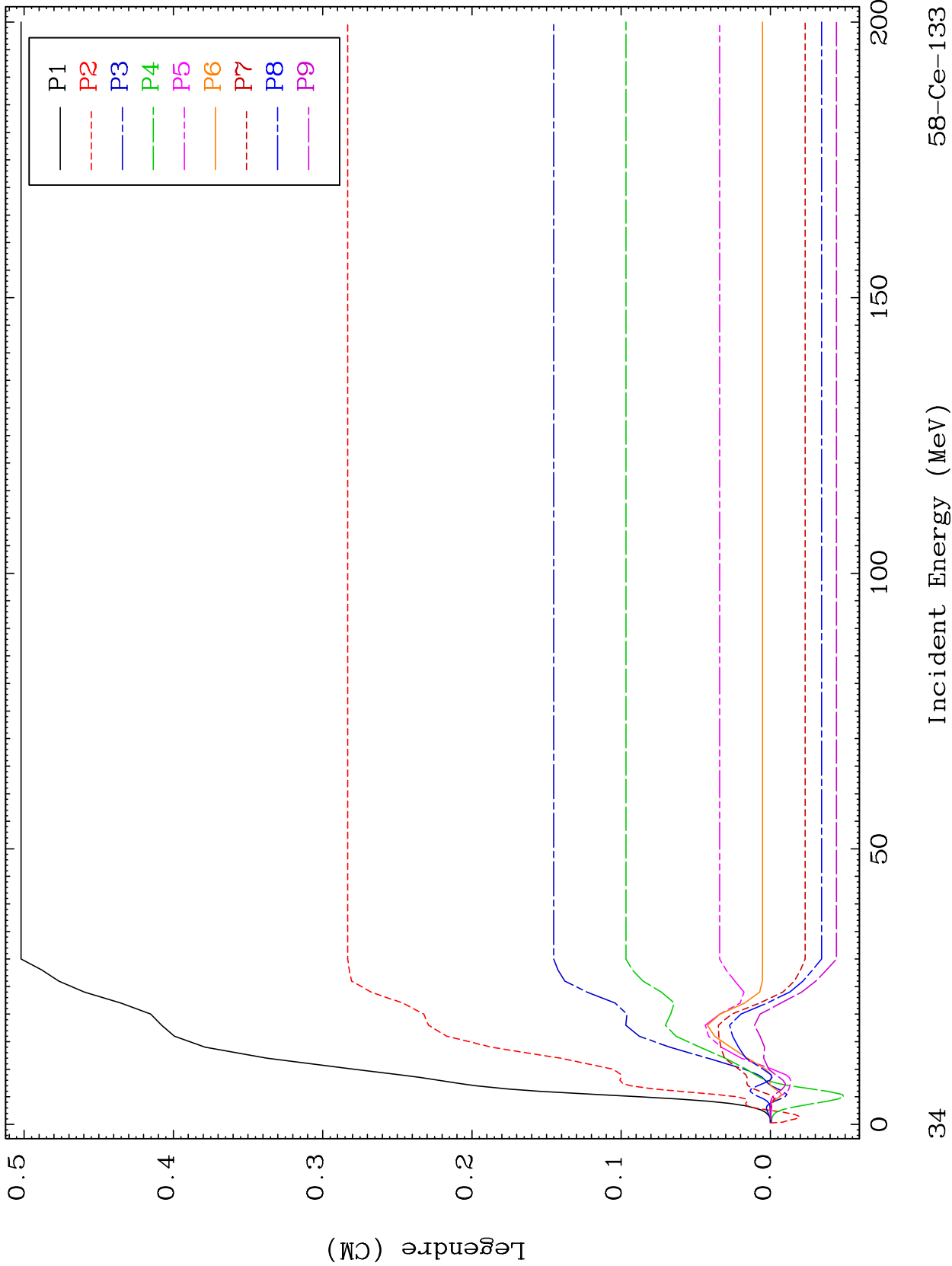
58-Ce-133



MAT 5816

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

58-Ce-133

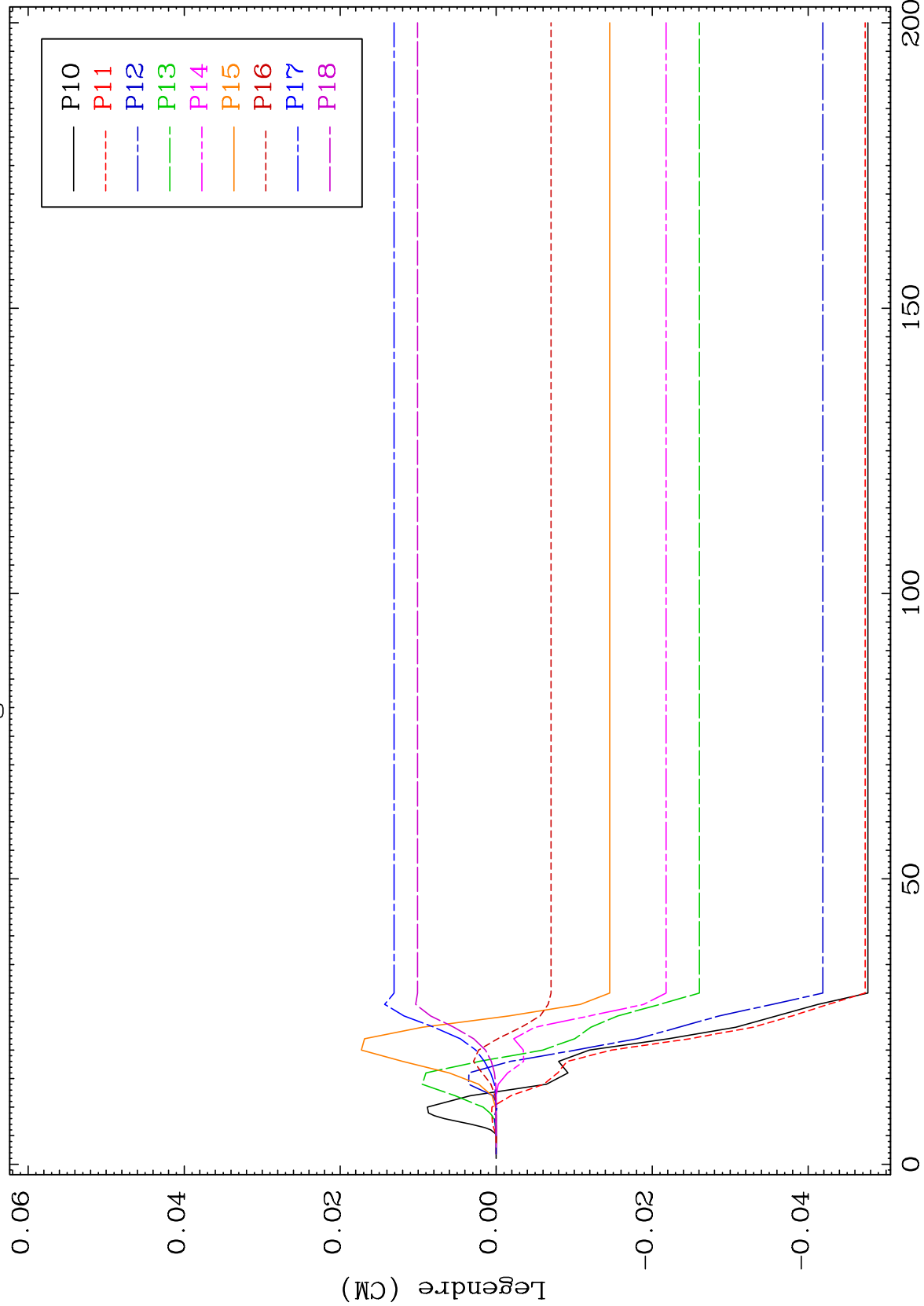


34

MAT 5816

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

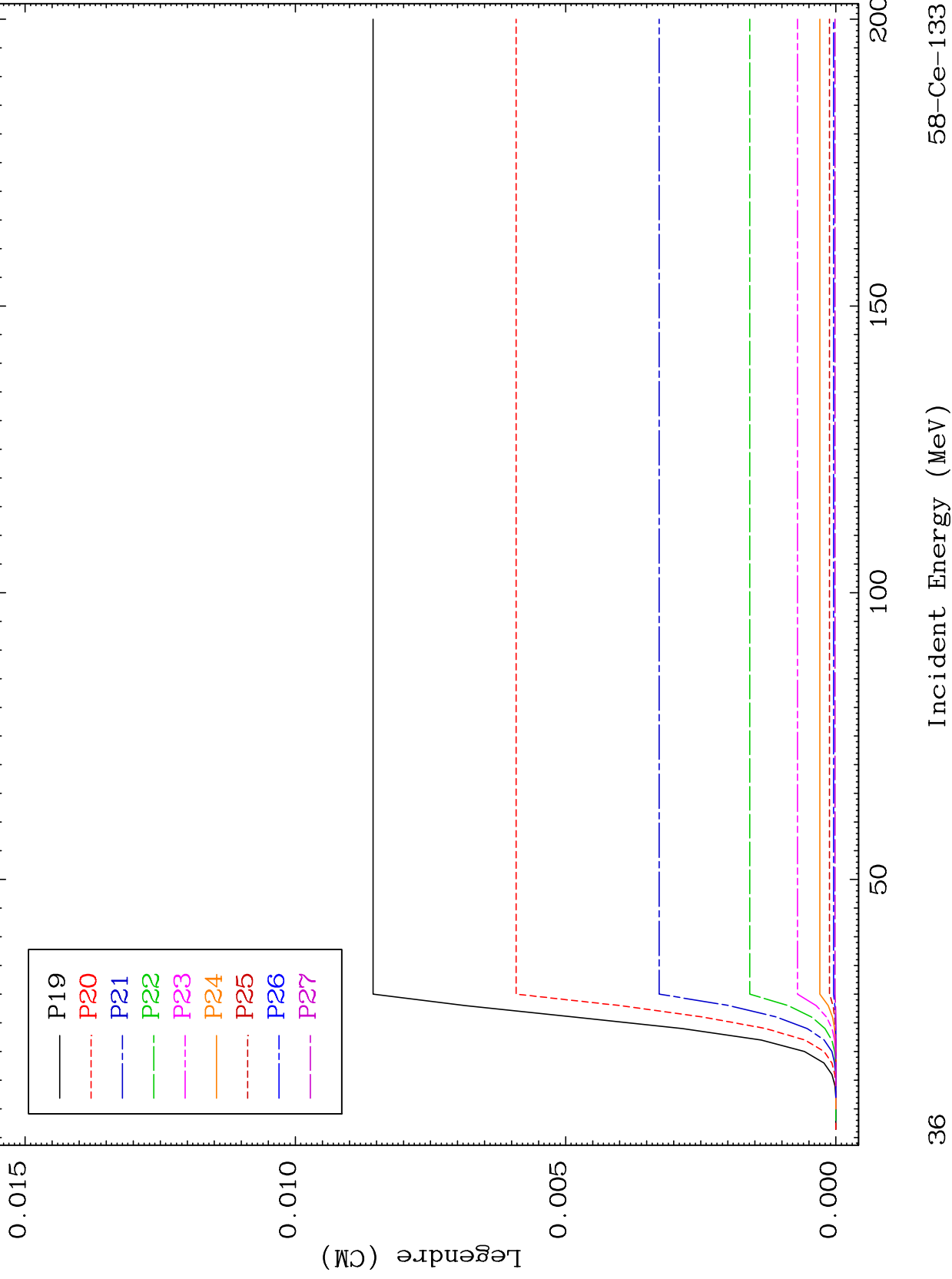
58-Ce-133



35

Incident Energy (MeV)

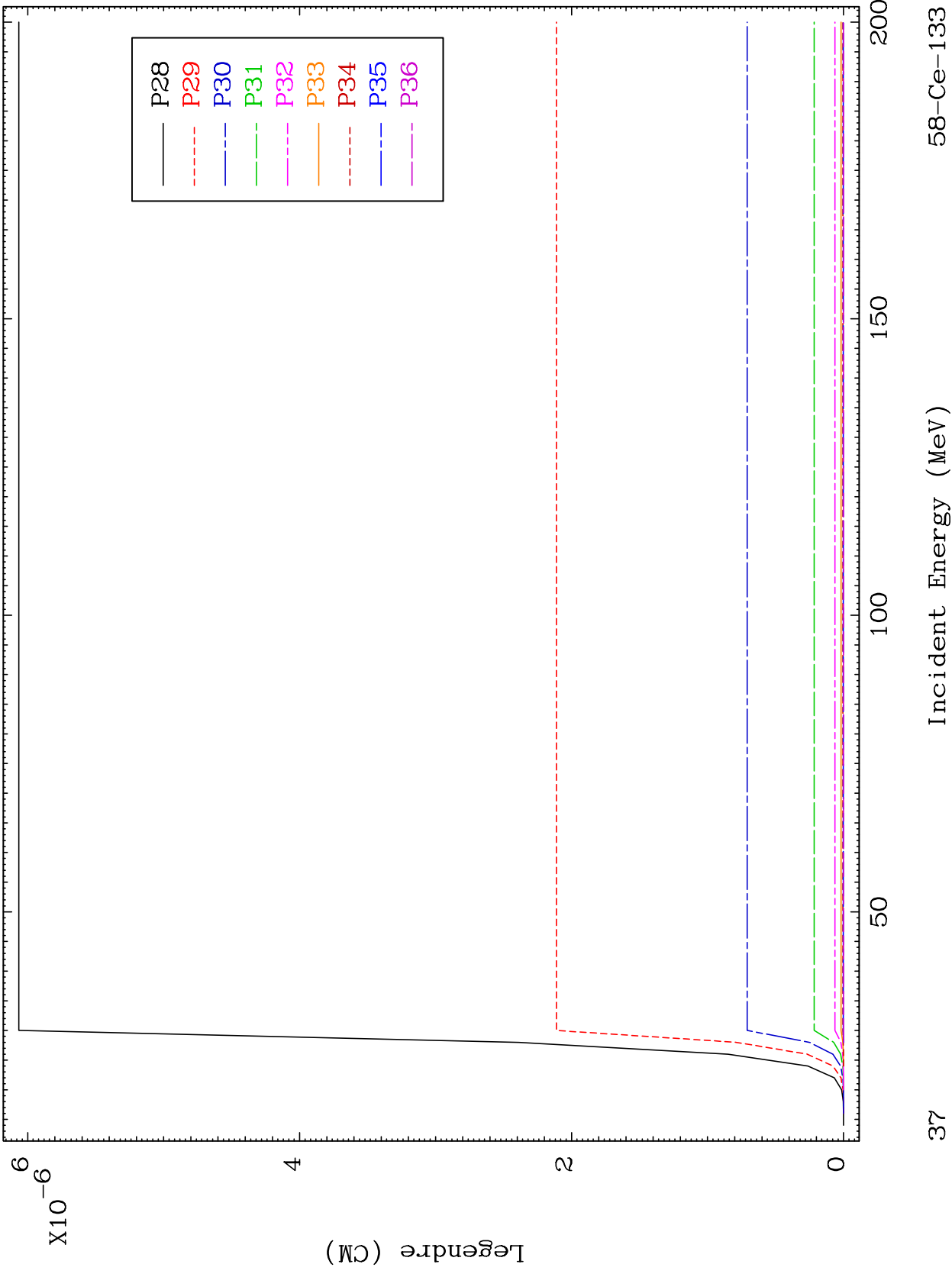
58-Ce-133



MAT 5816

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

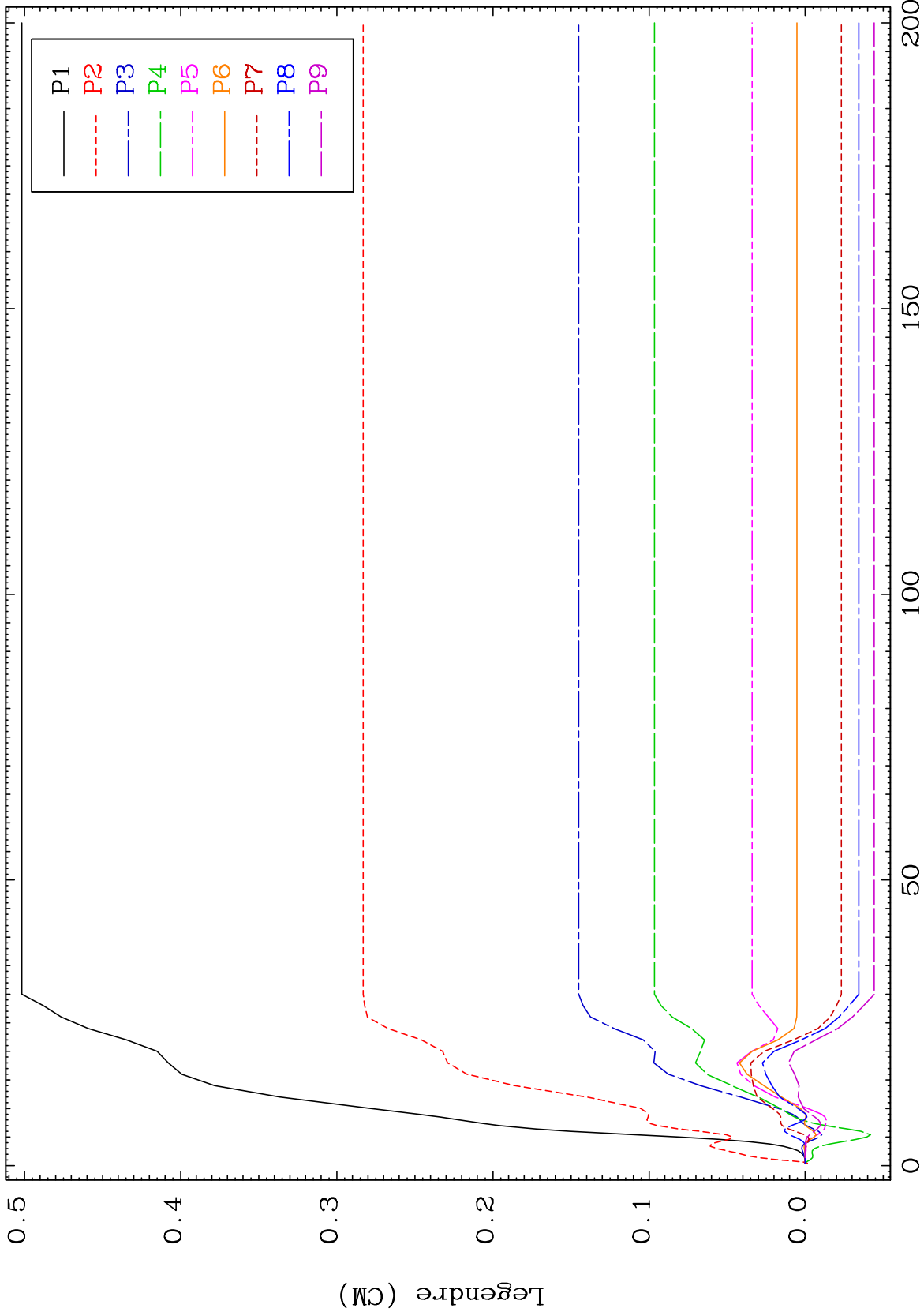
58-Ce-133



MAT 5816

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

58-Ce-133



38

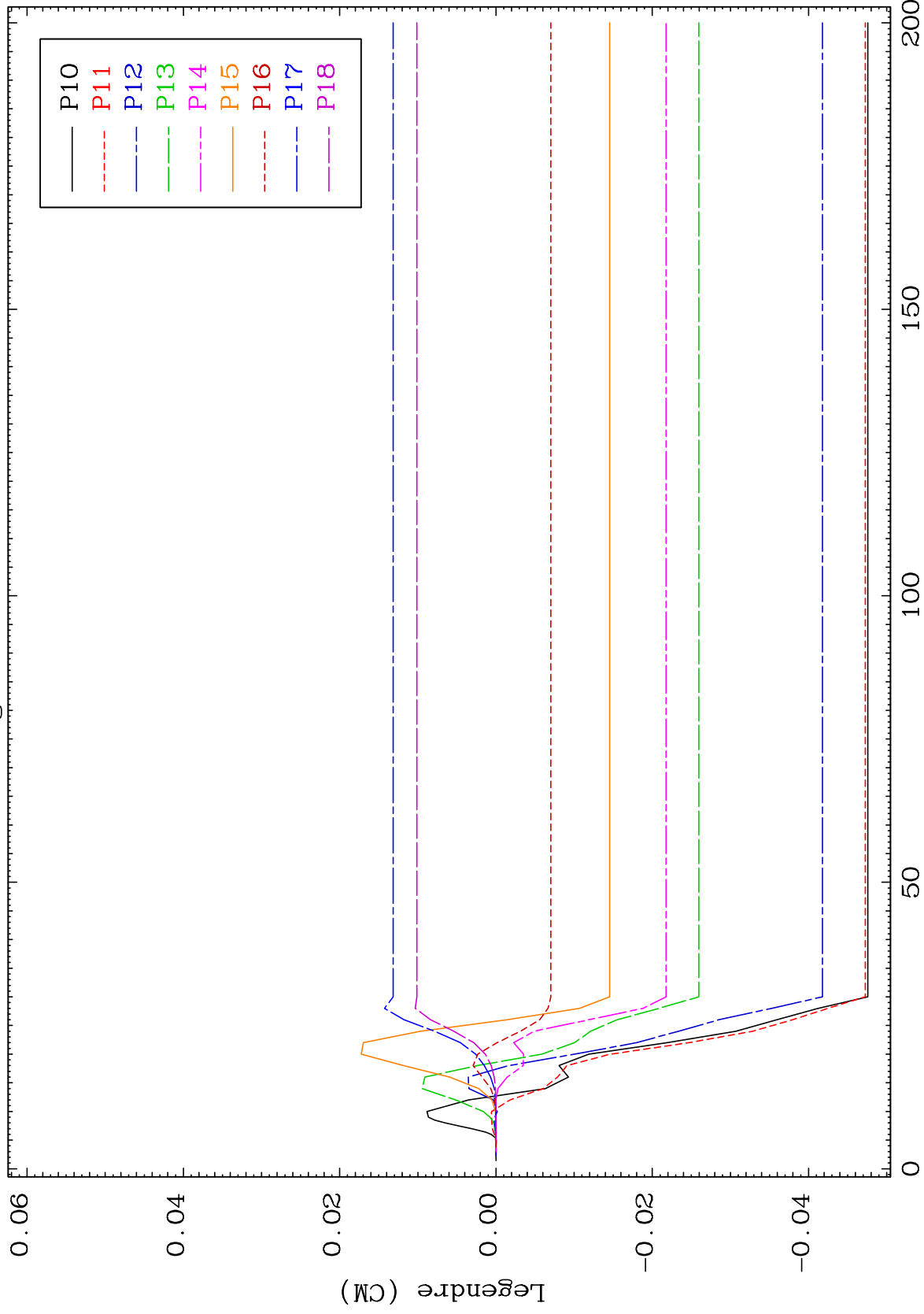
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



39

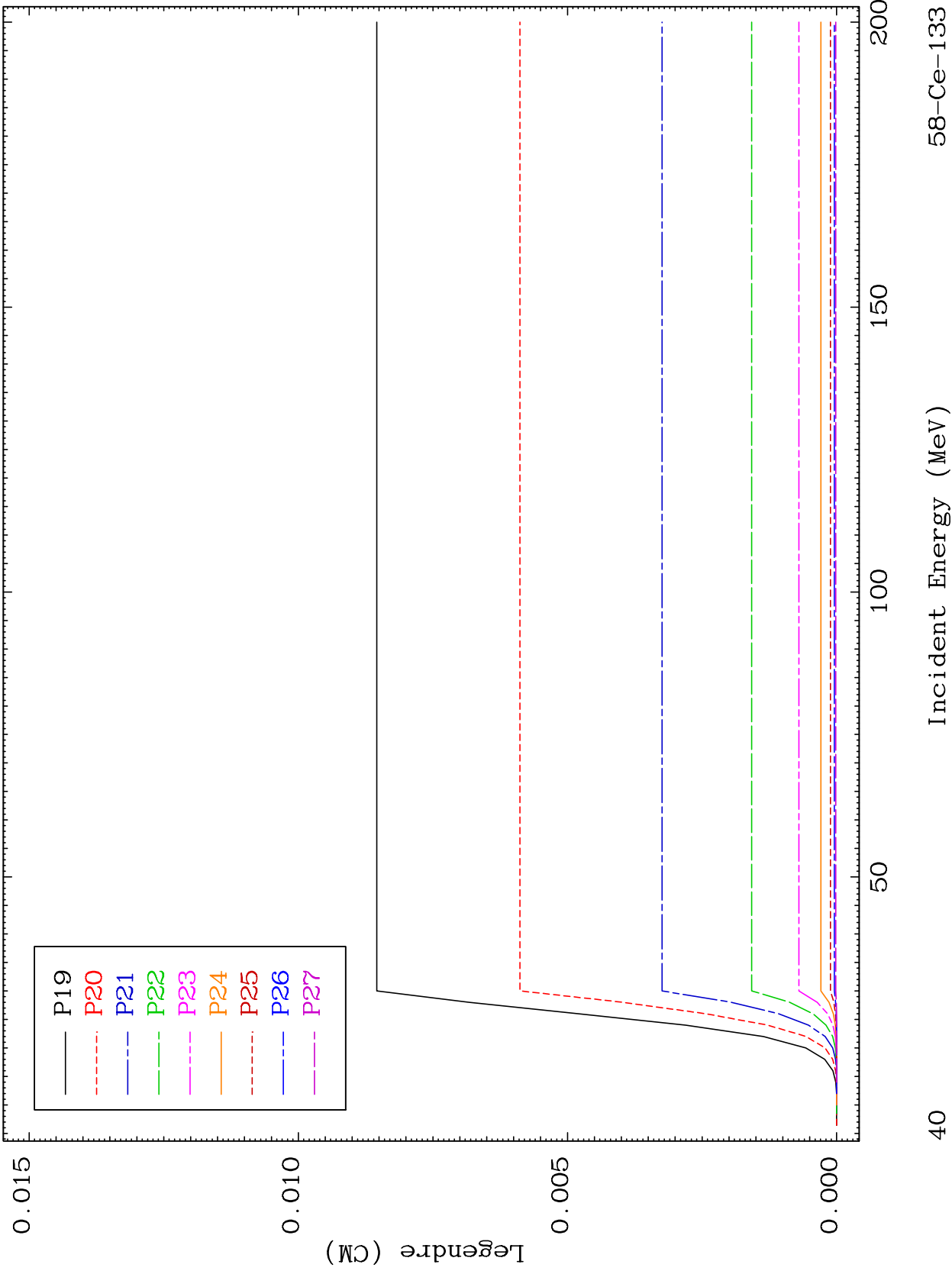
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



40

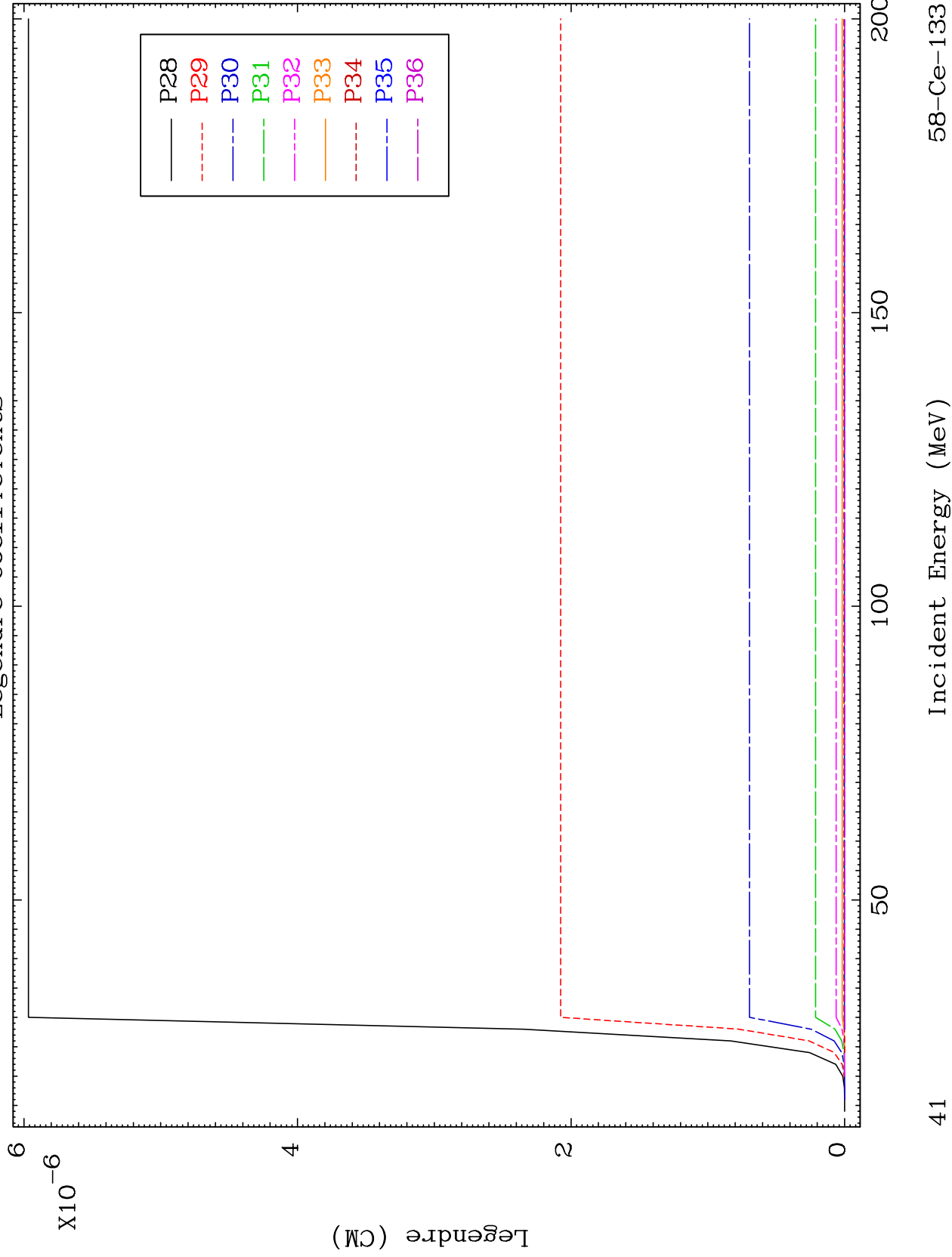
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



41

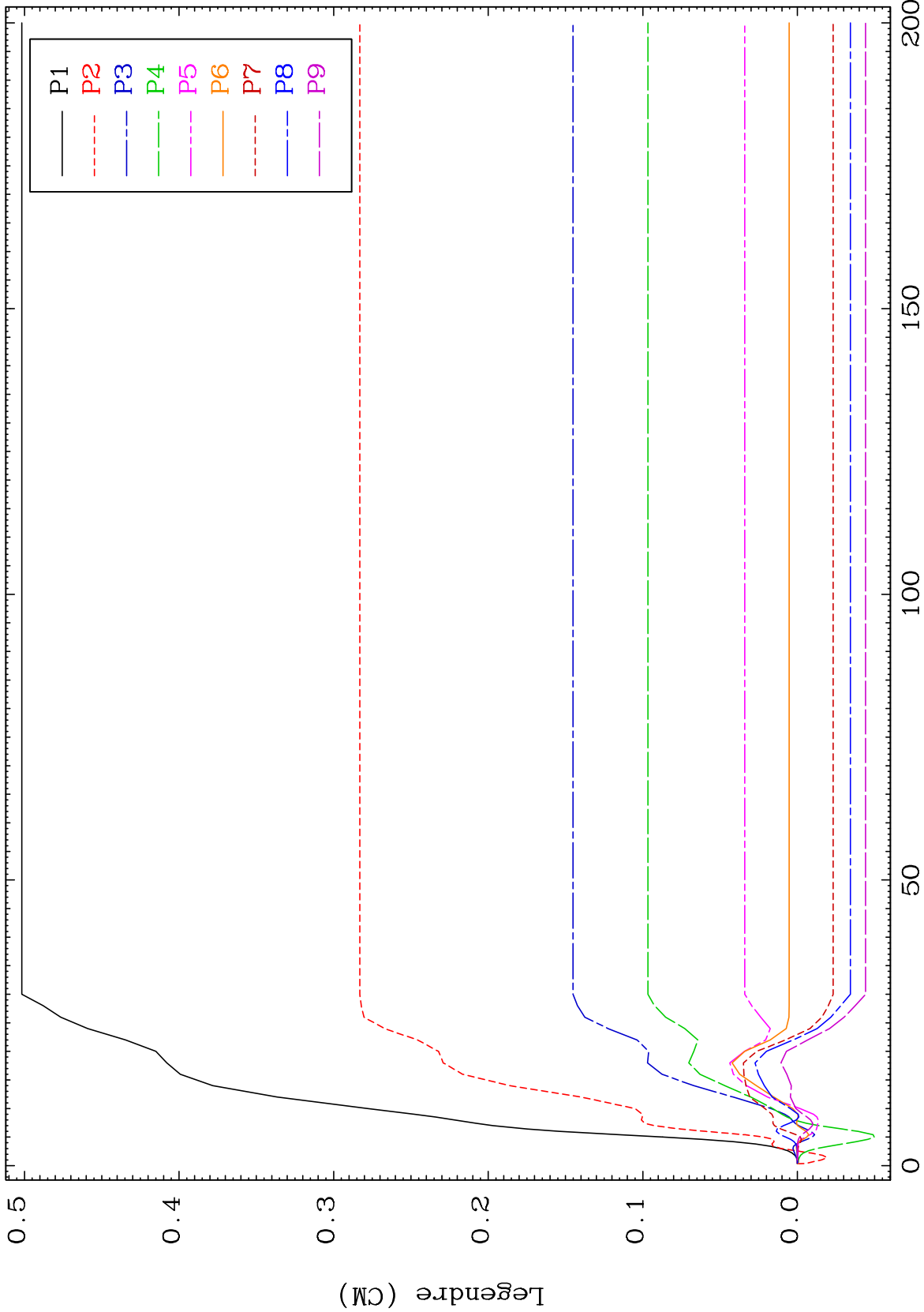
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



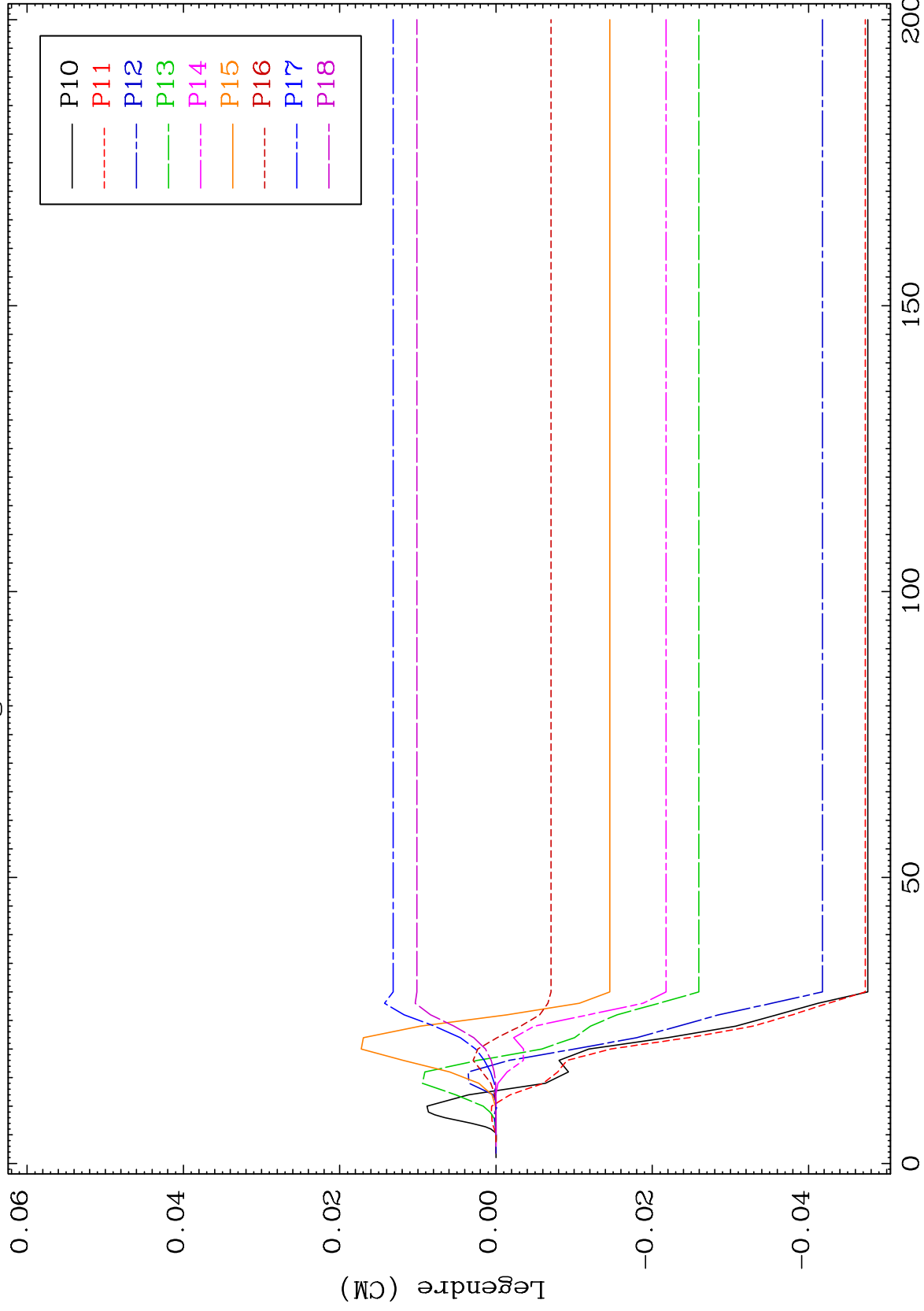
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58-Ce-133

MAT 5816

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

58-Ce-133



43

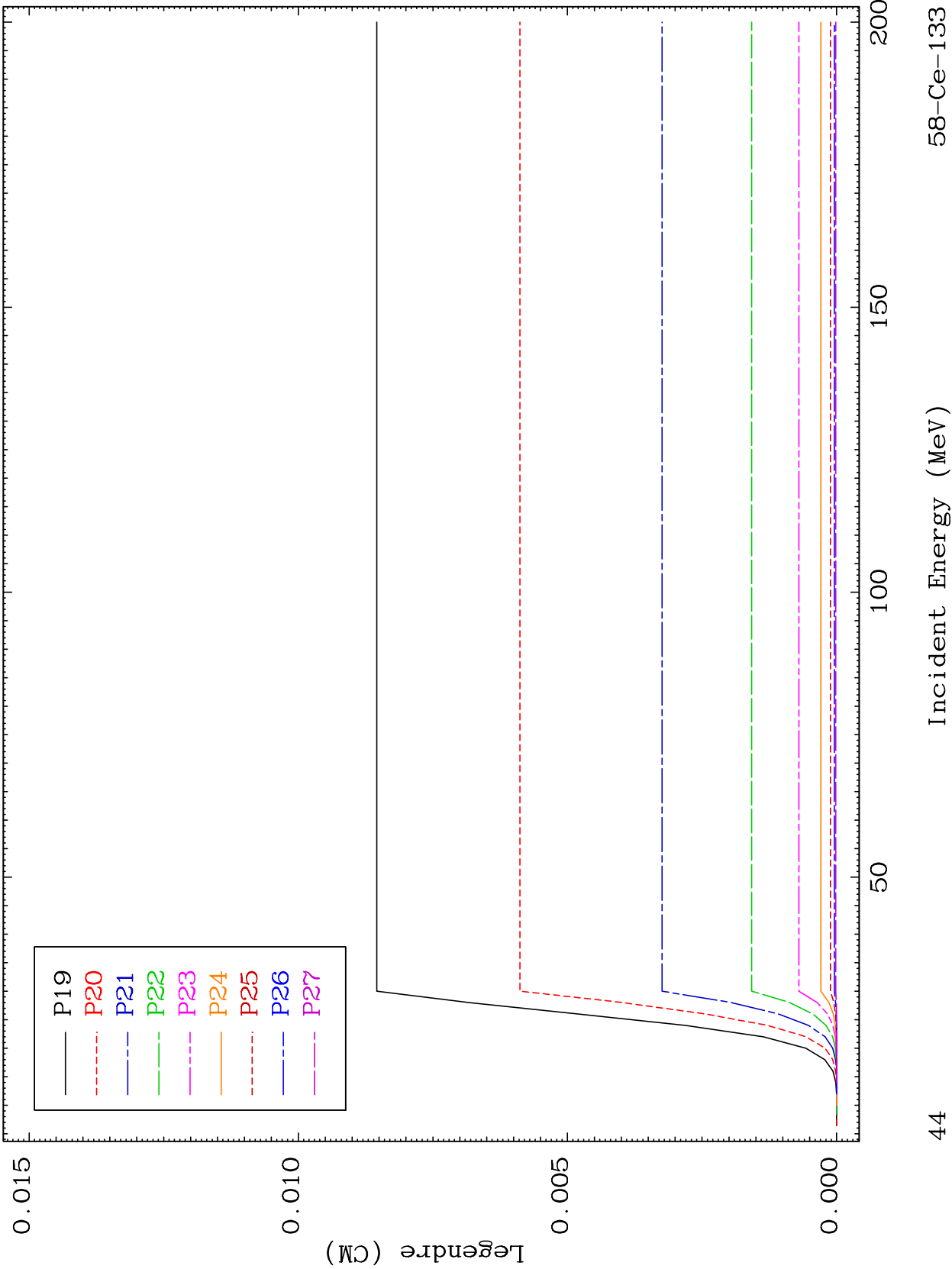
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



44

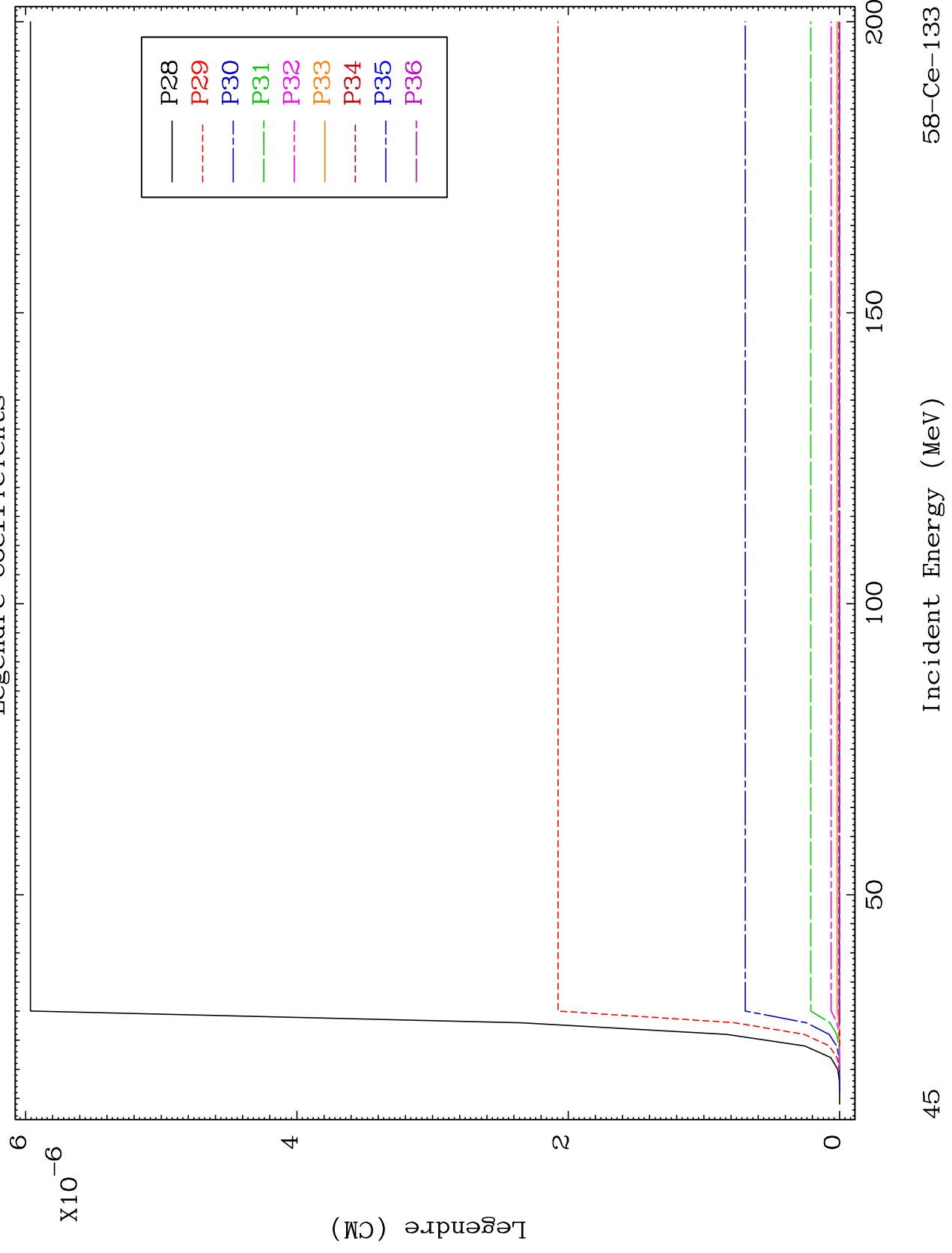
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

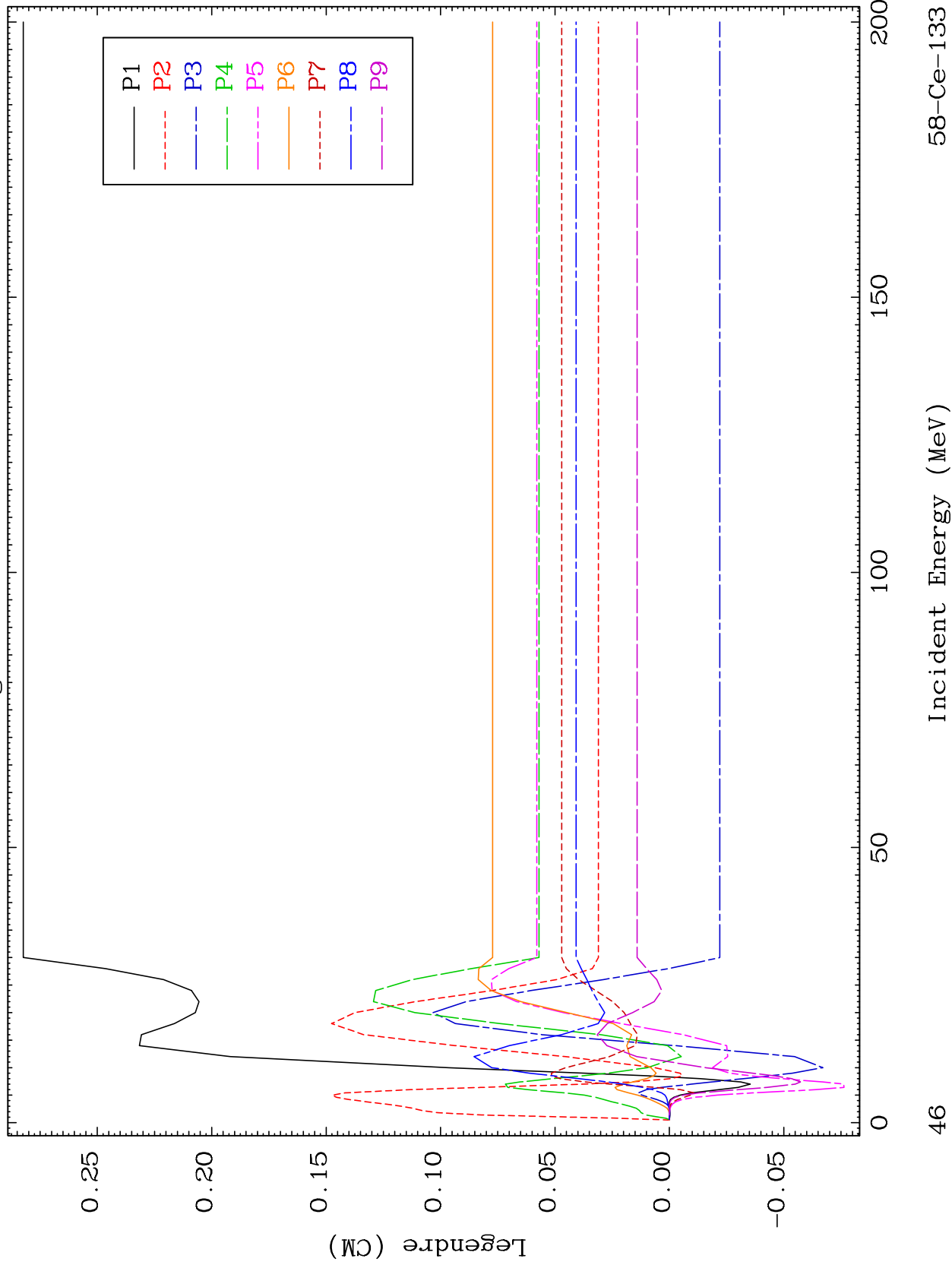
58-Ce-133



MAT 5816

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

58-Ce-133



58-Ce-133

Incident Energy (MeV)

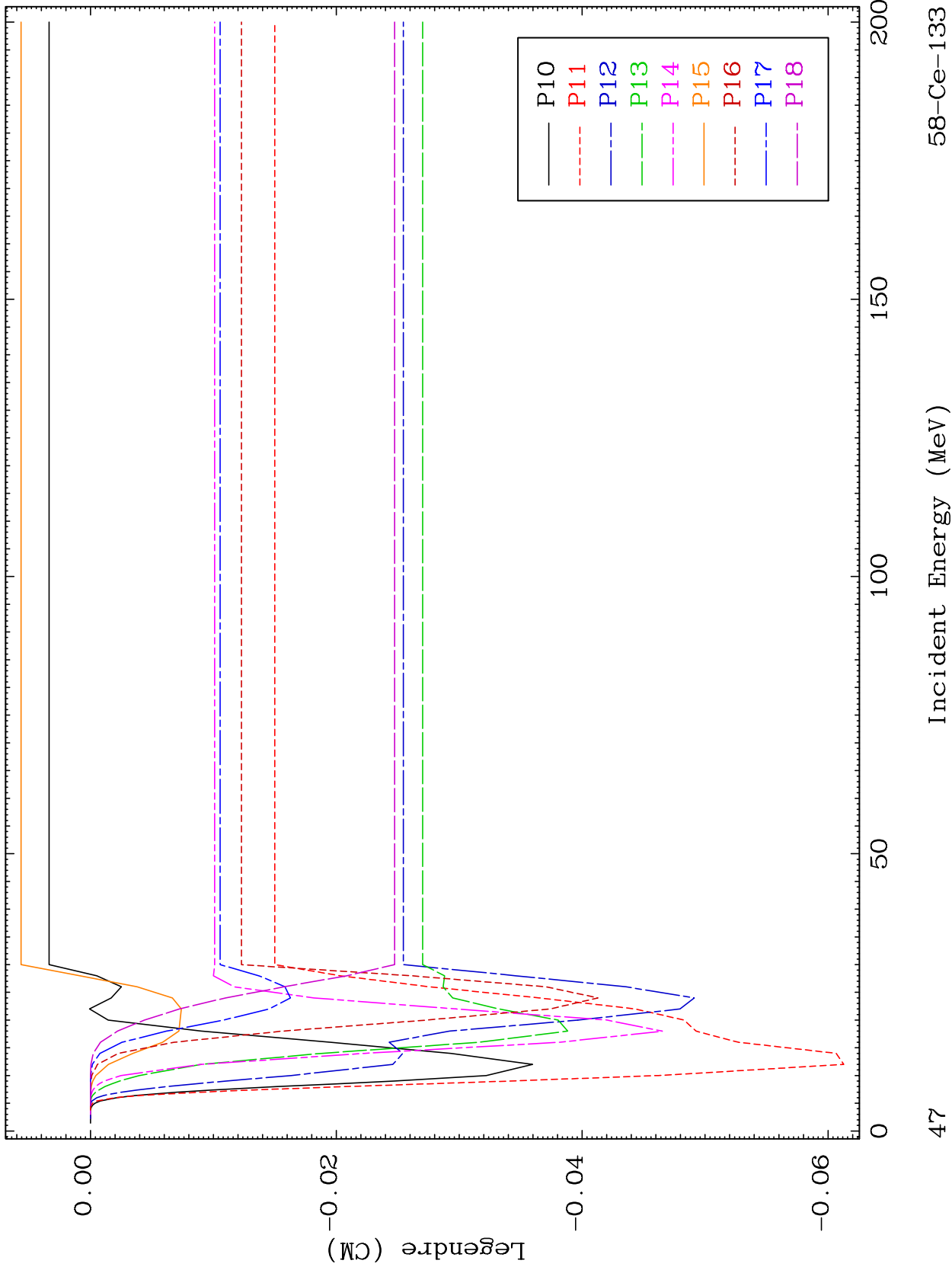
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MAT 5816

MT= 57 (n,n') Level

58-Ce-133

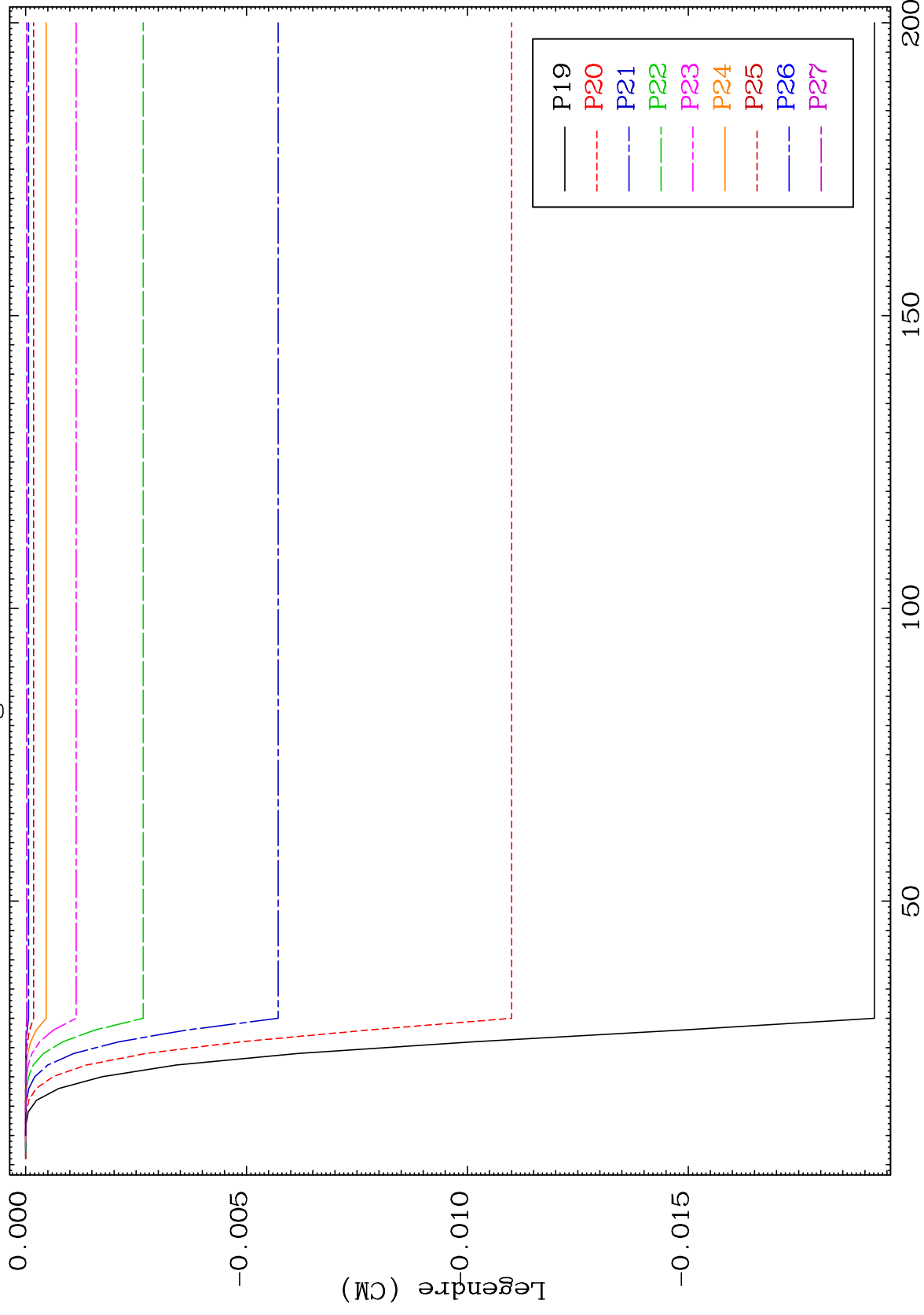
Legendre Coefficients



MAT 5816

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

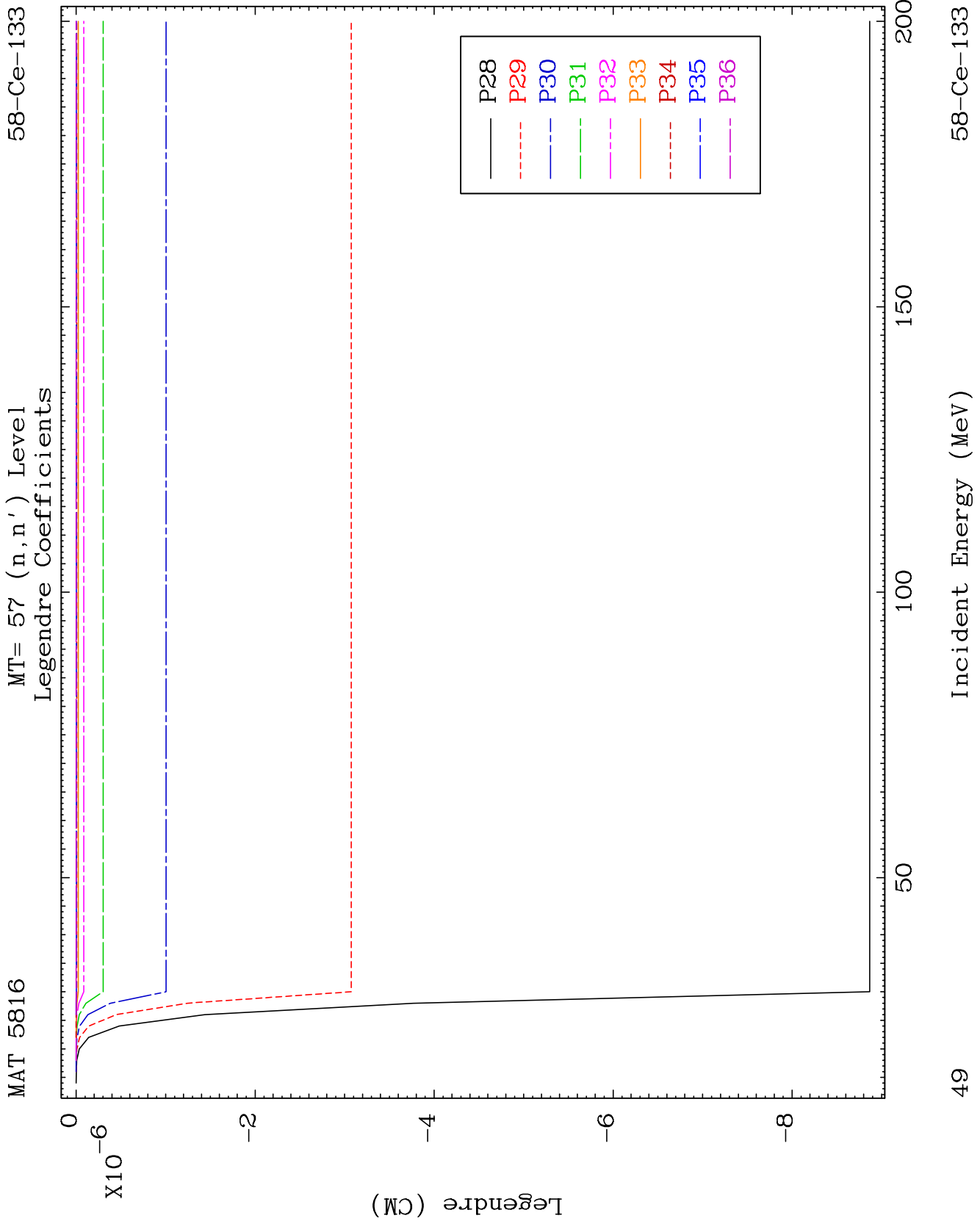
58-Ce-133



48

Incident Energy (MeV)

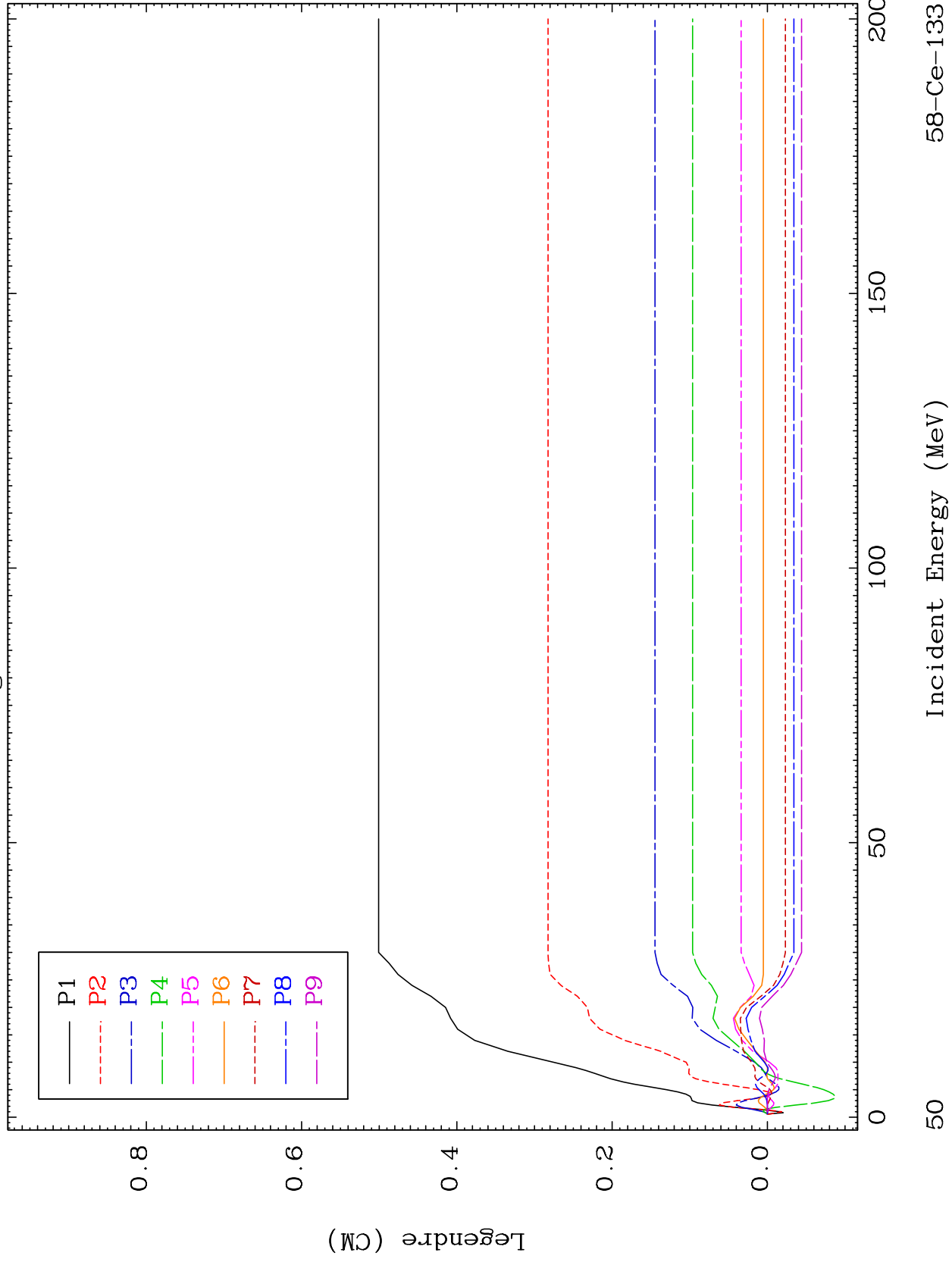
58-Ce-133



MAT 5816

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

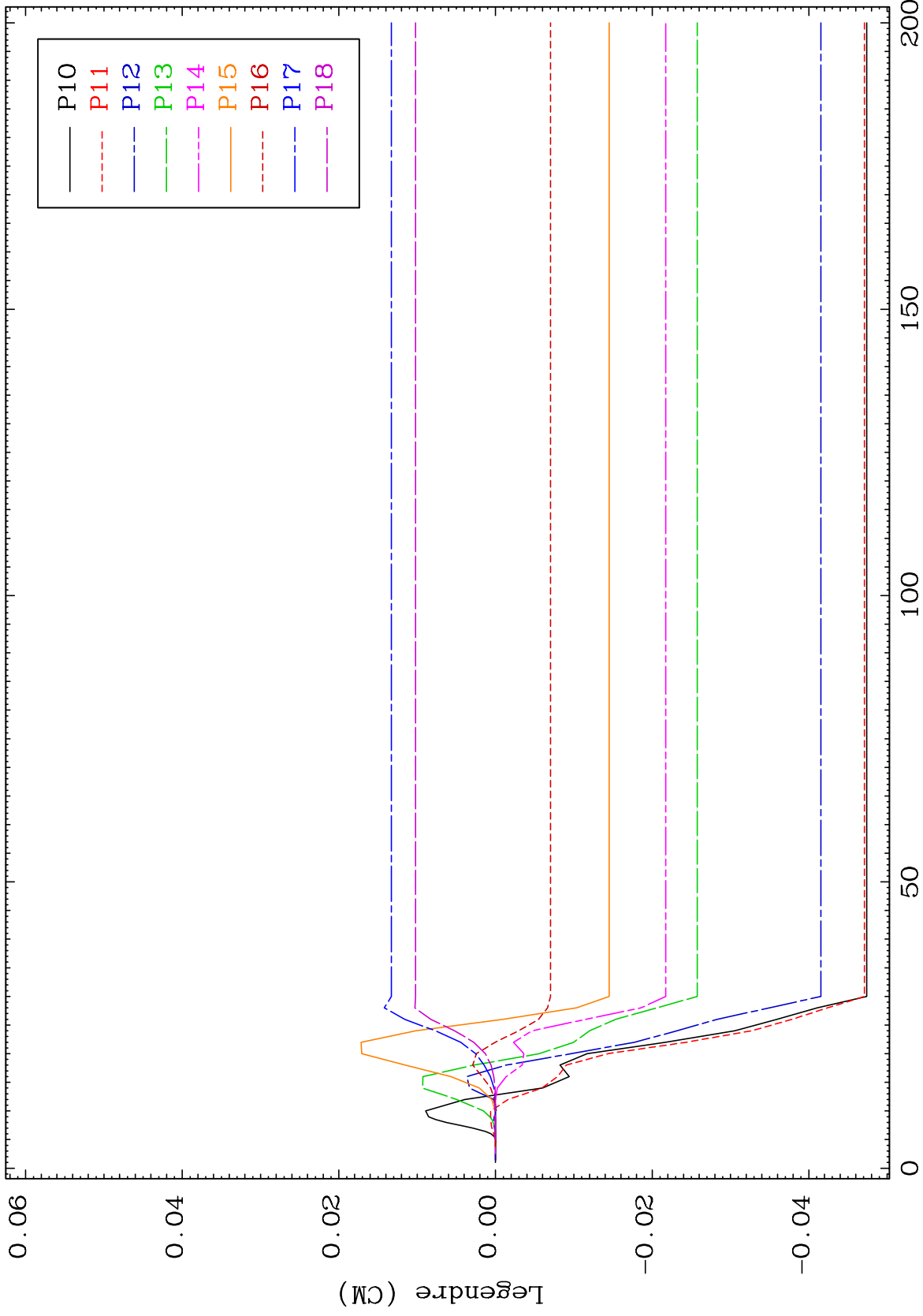
58-Ce-133



MAT 5816

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

58-Ce-133



51

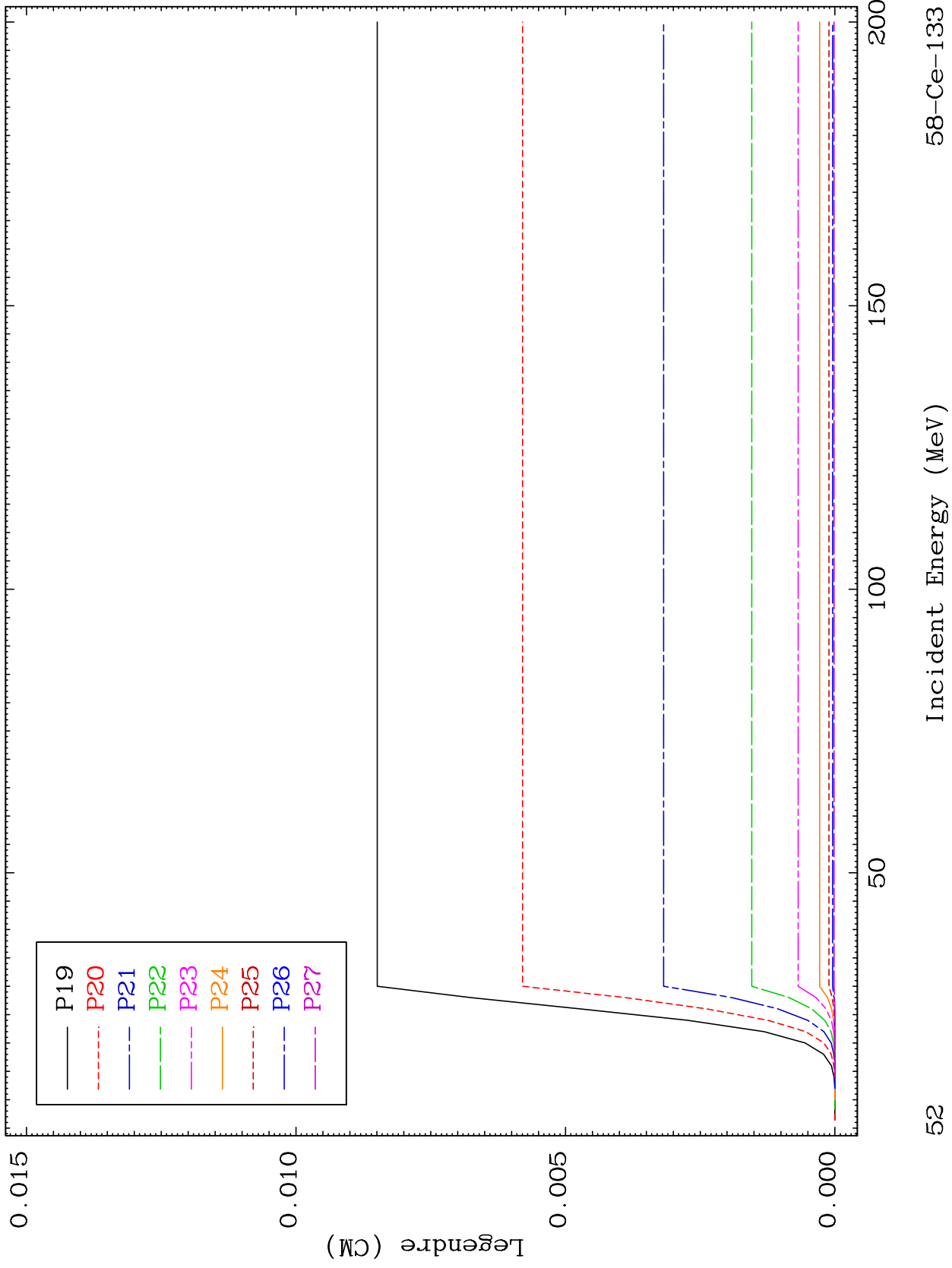
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



52

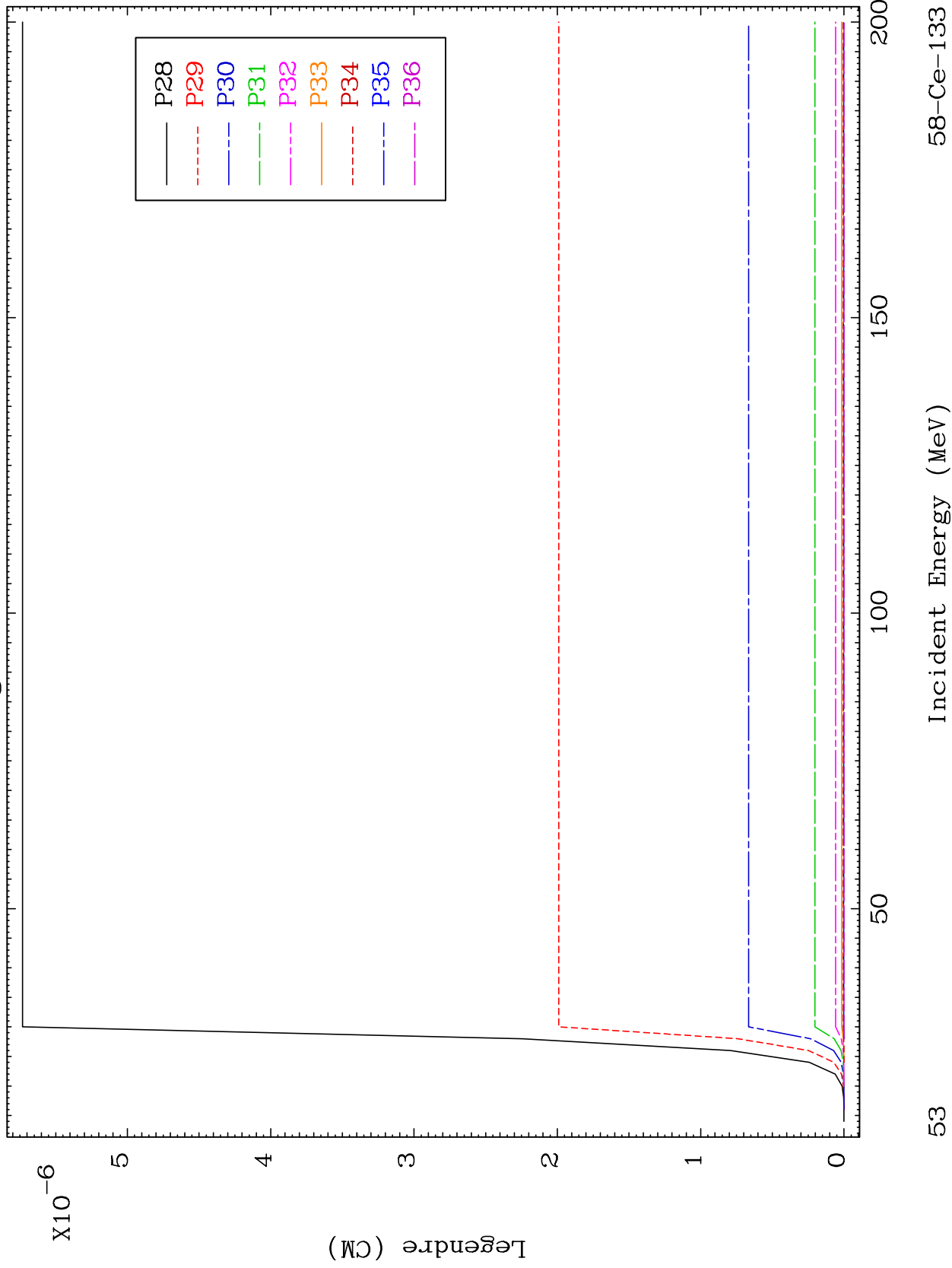
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



53

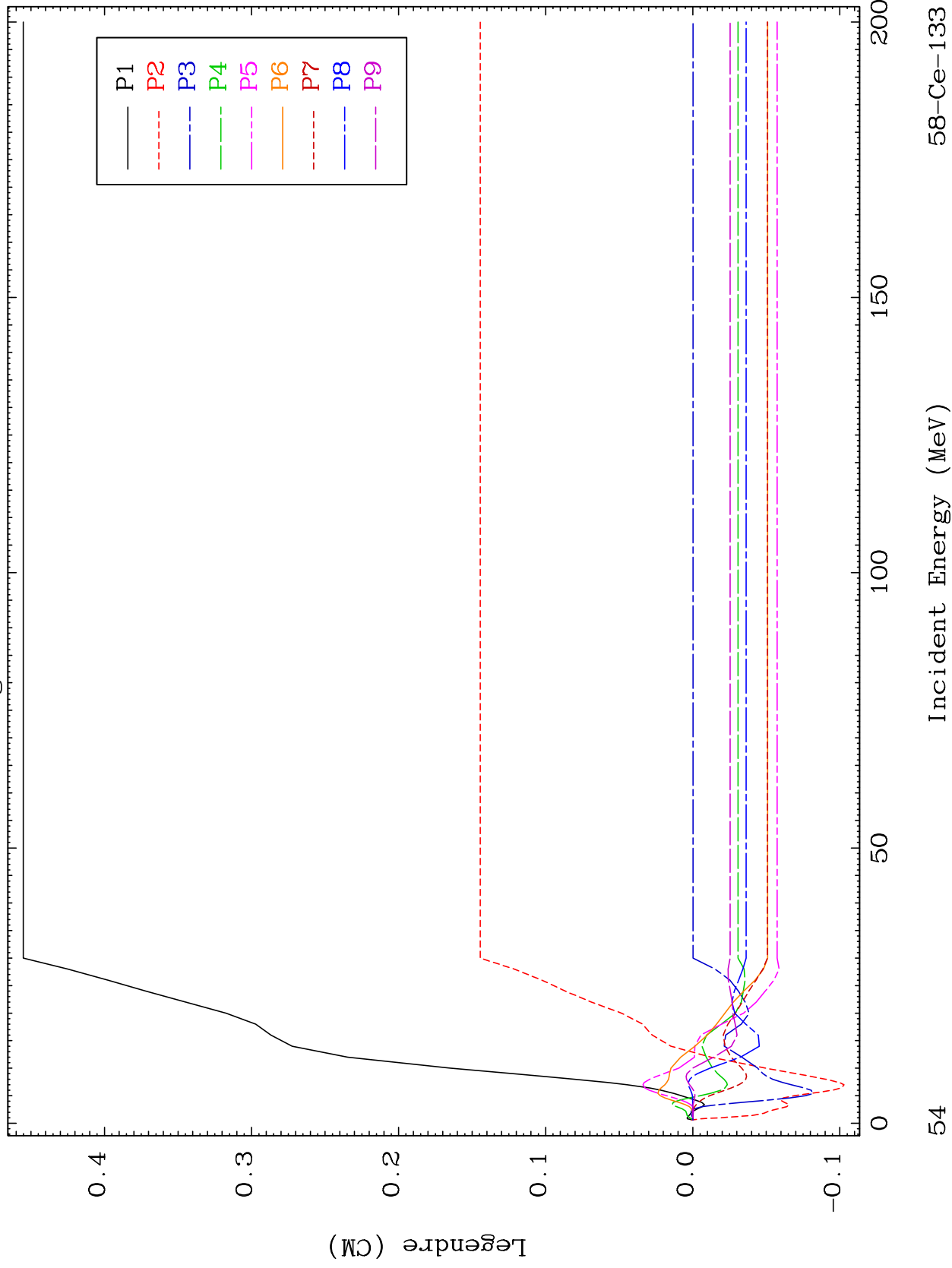
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



58-Ce-133

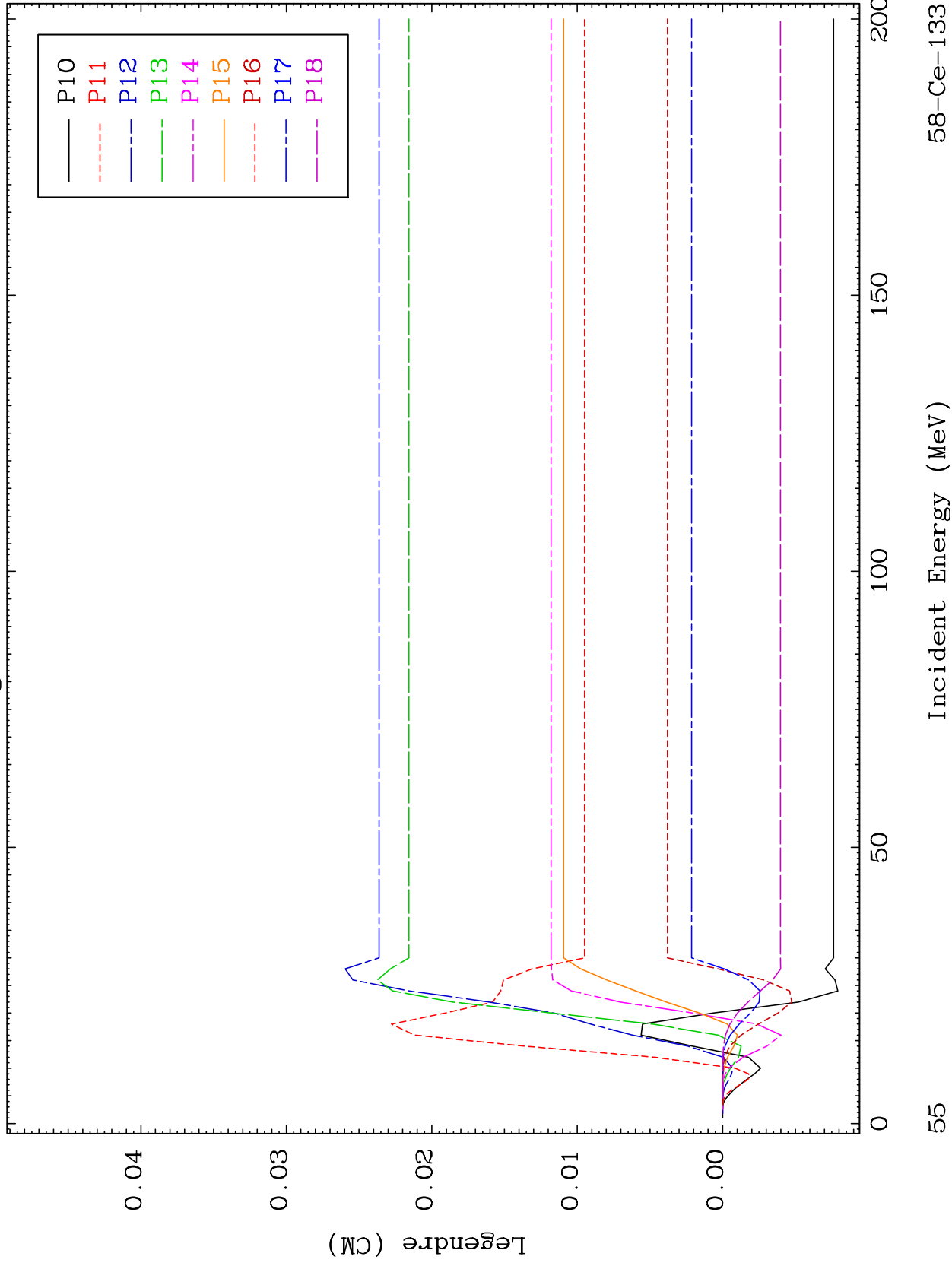
Incident Energy (MeV)

54

MAT 5816

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

58-Ce-133

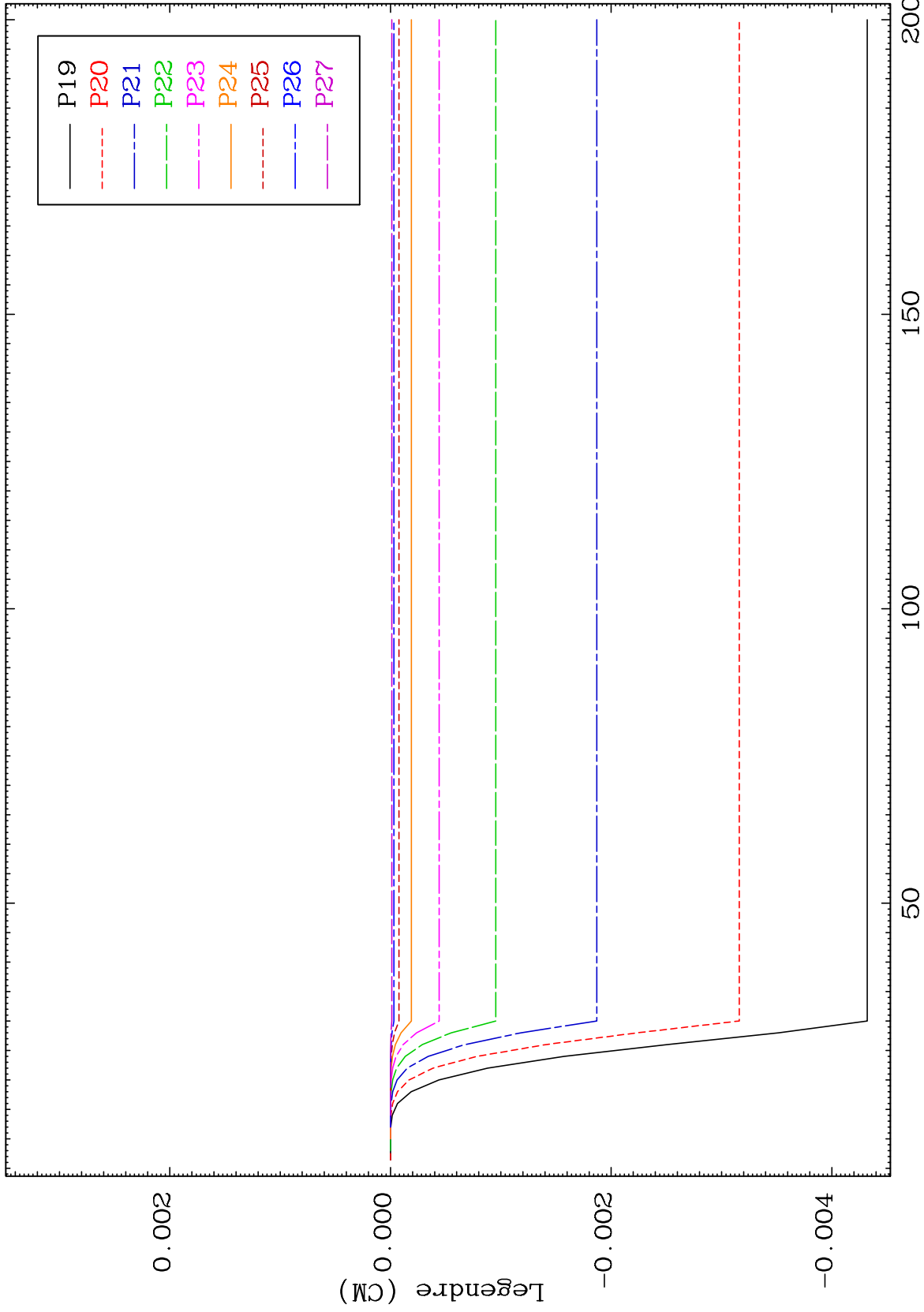


55

MAT 5816

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

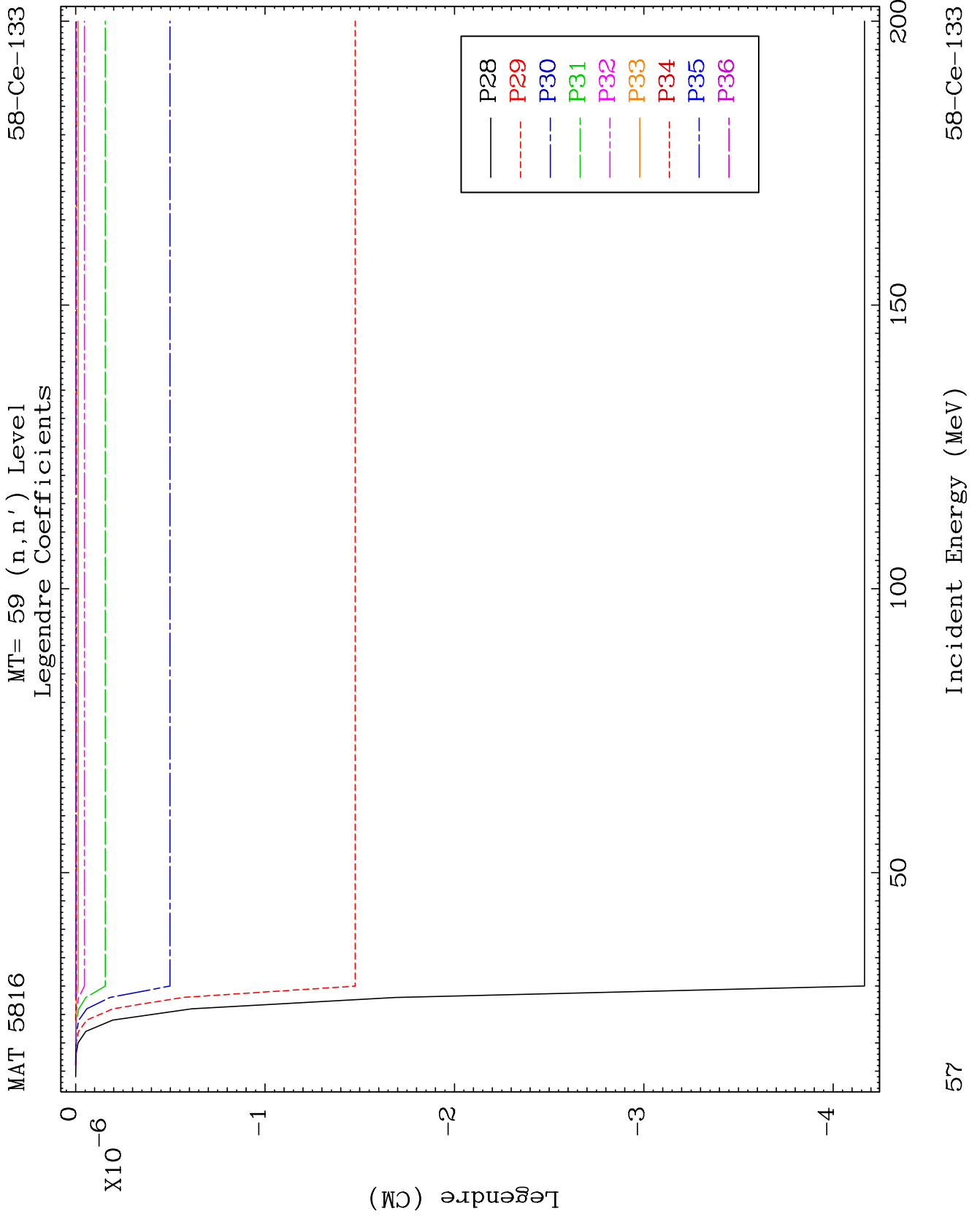
58-Ce-133



56

Incident Energy (MeV)

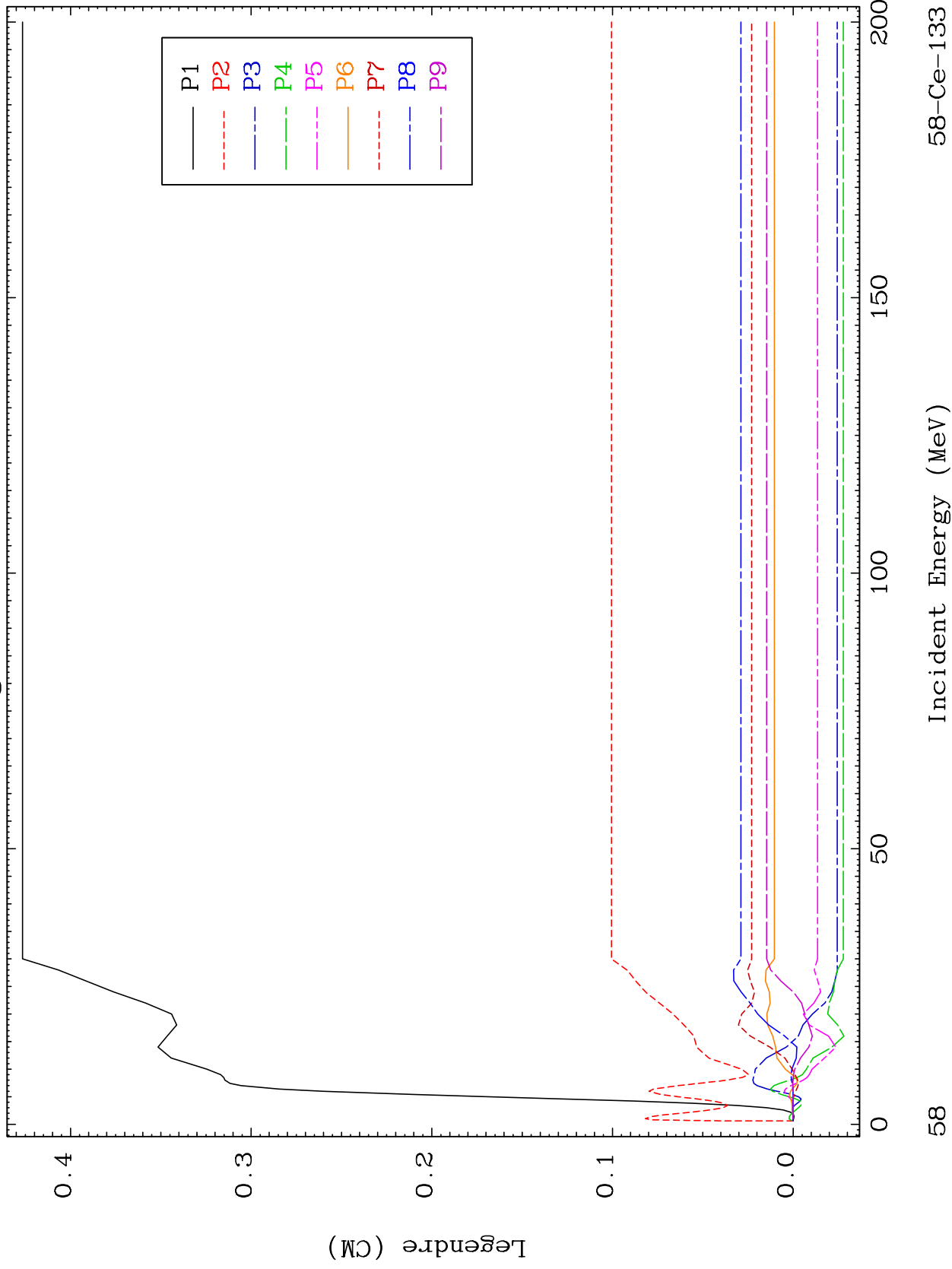
58-Ce-133



MAT 5816

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

58-Ce-133



58-Ce-133

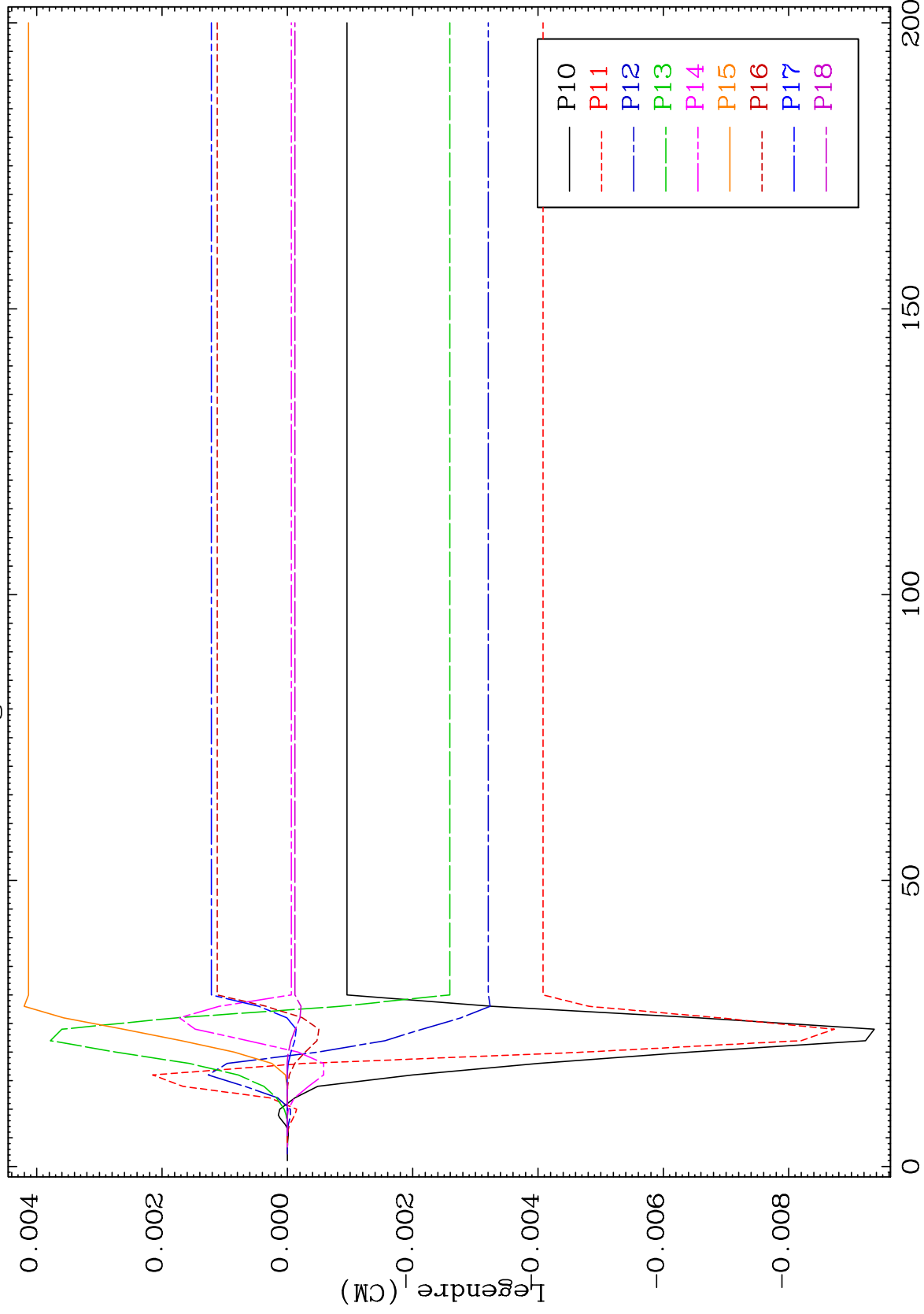
Incident Energy (MeV)

58

MAT 5816

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

58-Ce-133



59

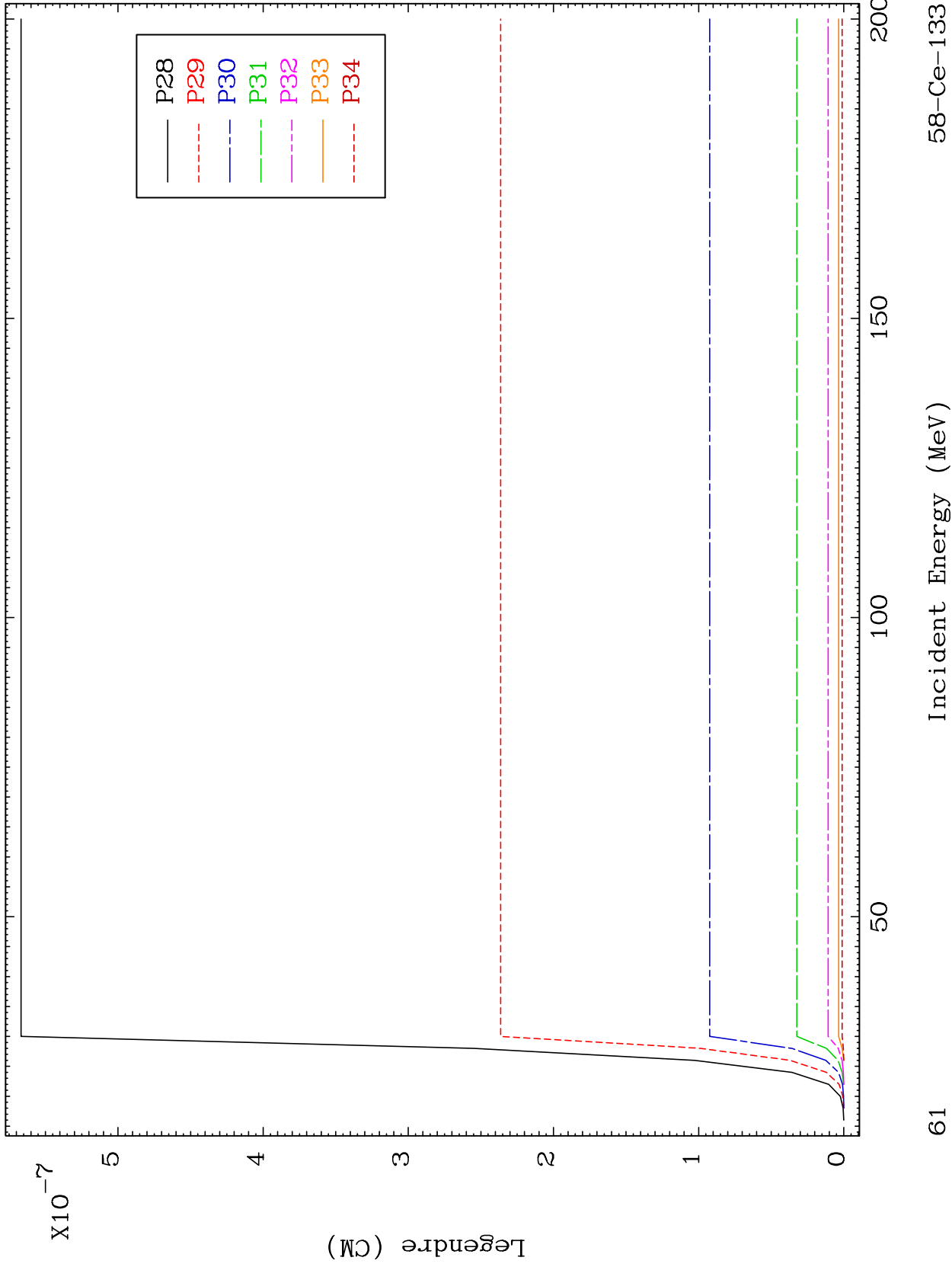
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



61

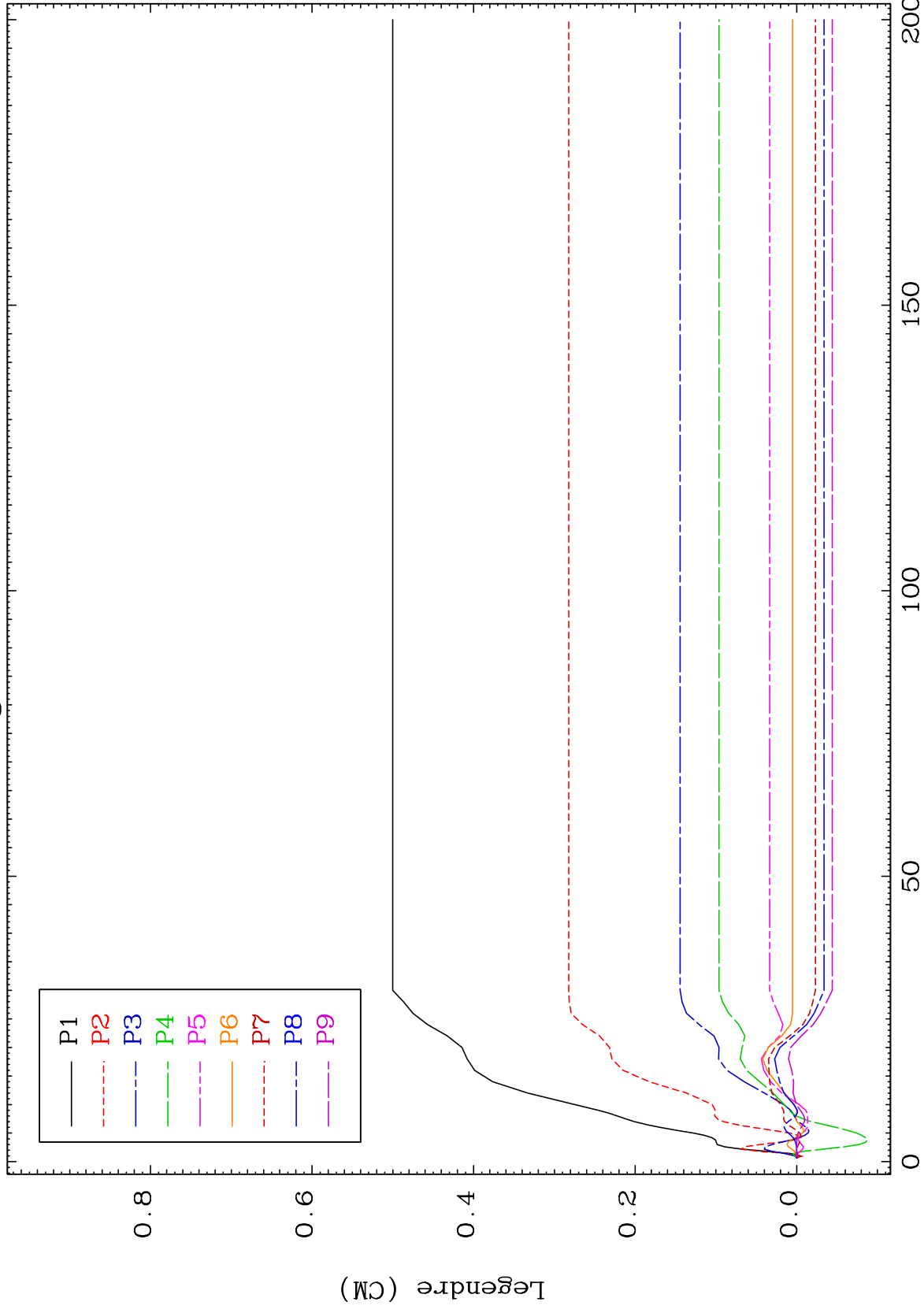
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



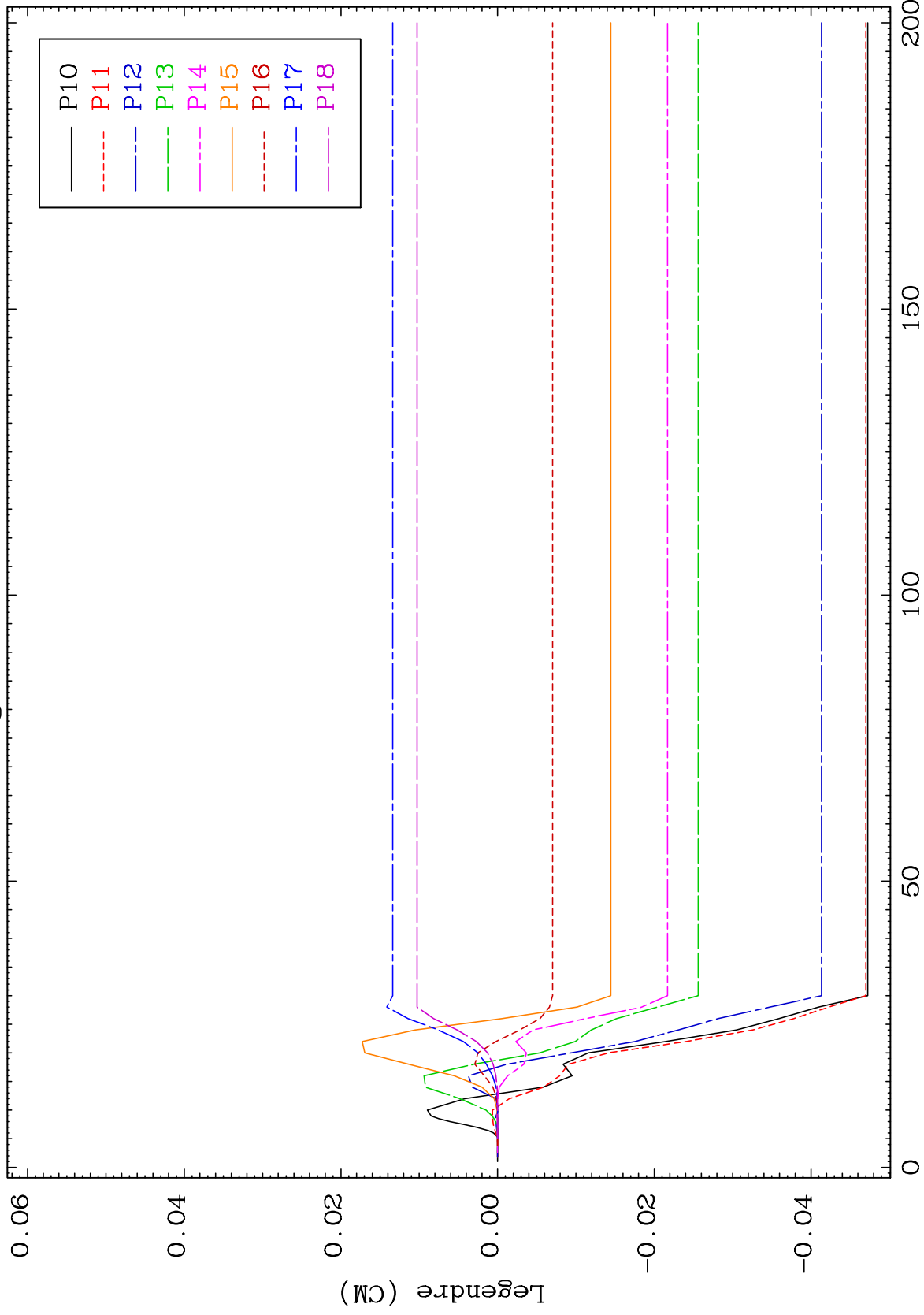
62

58-Ce-133

MAT 5816

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

58-Ce-133



63

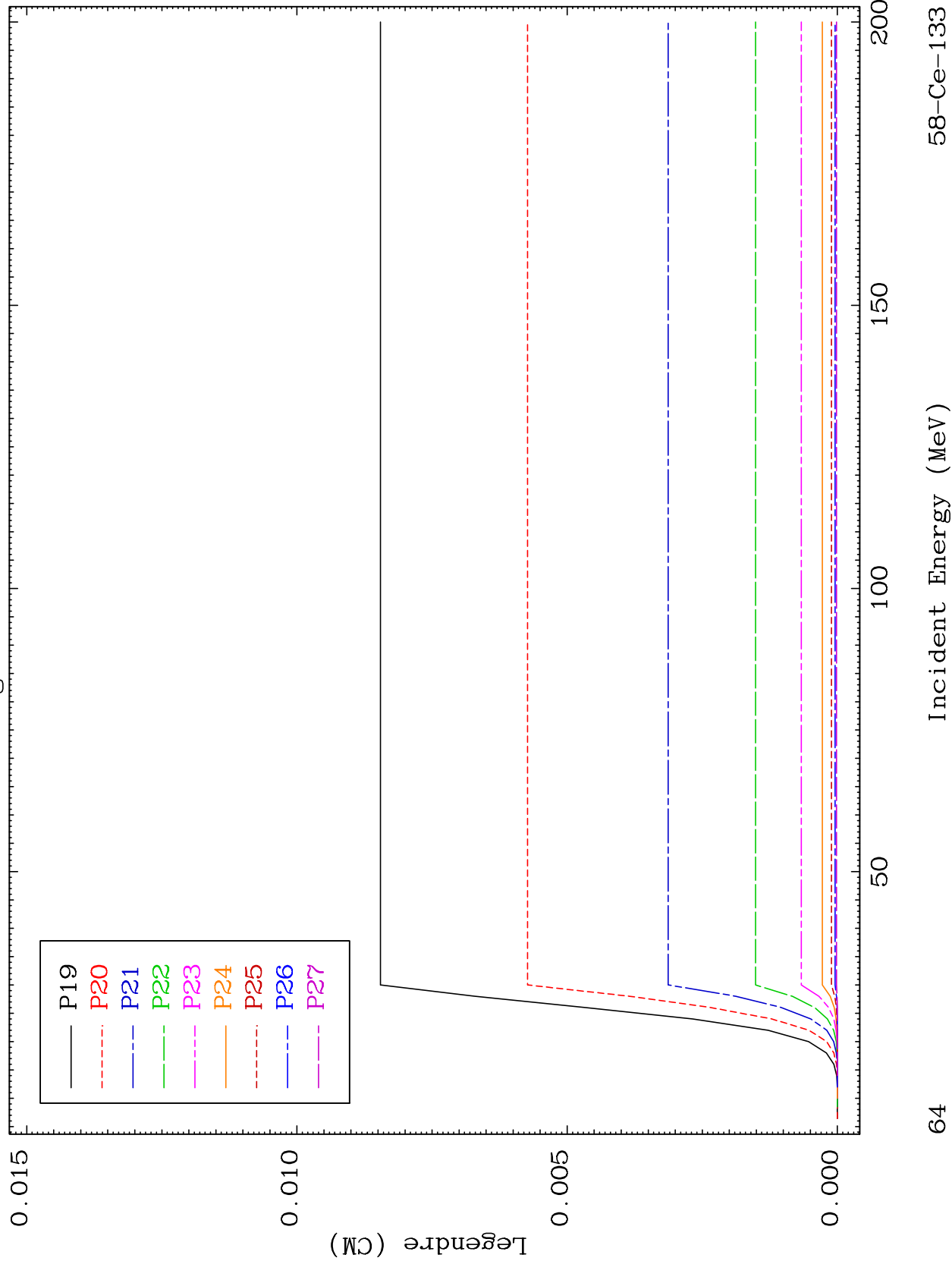
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



64

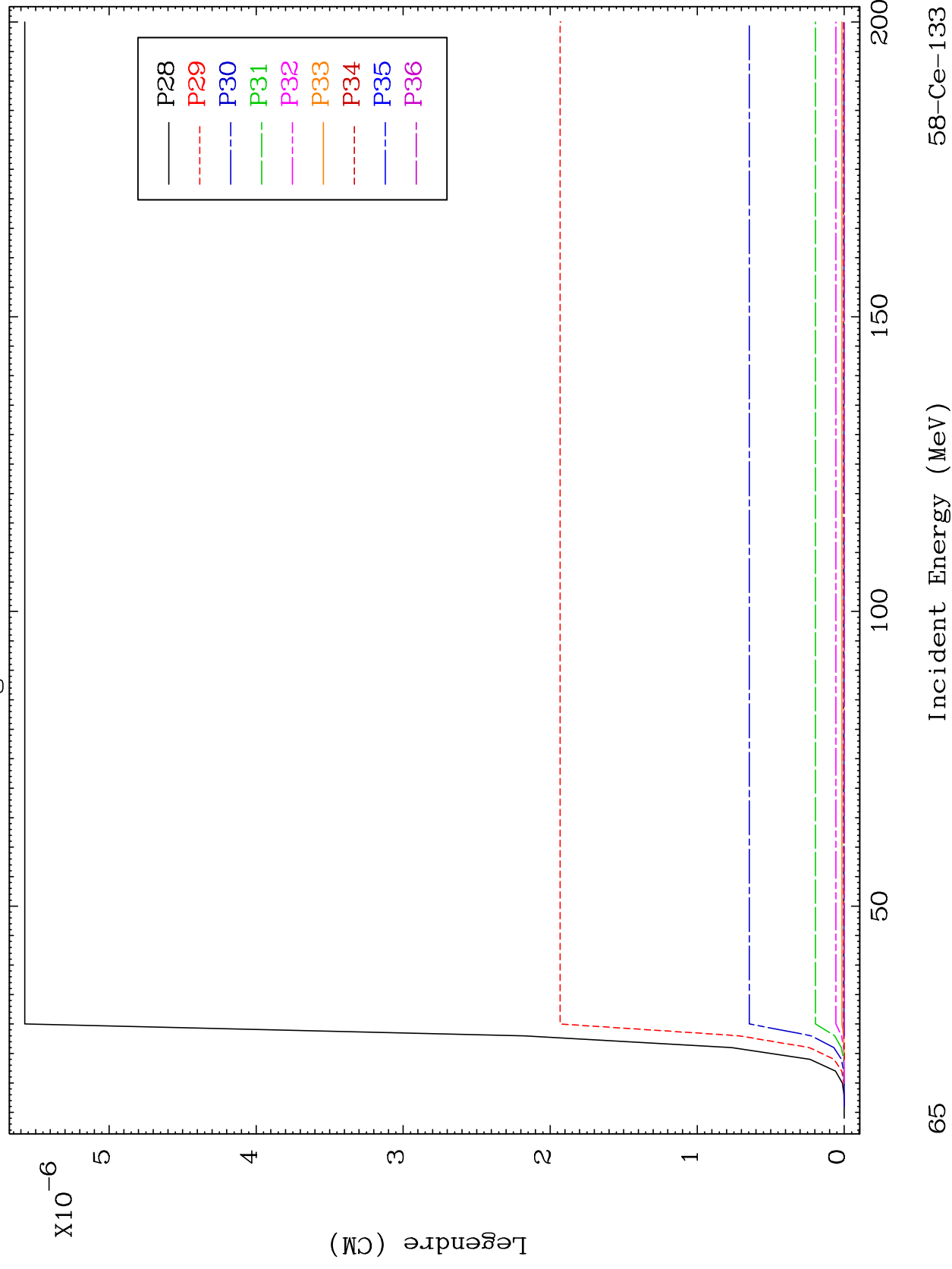
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



65

Incident Energy (MeV)

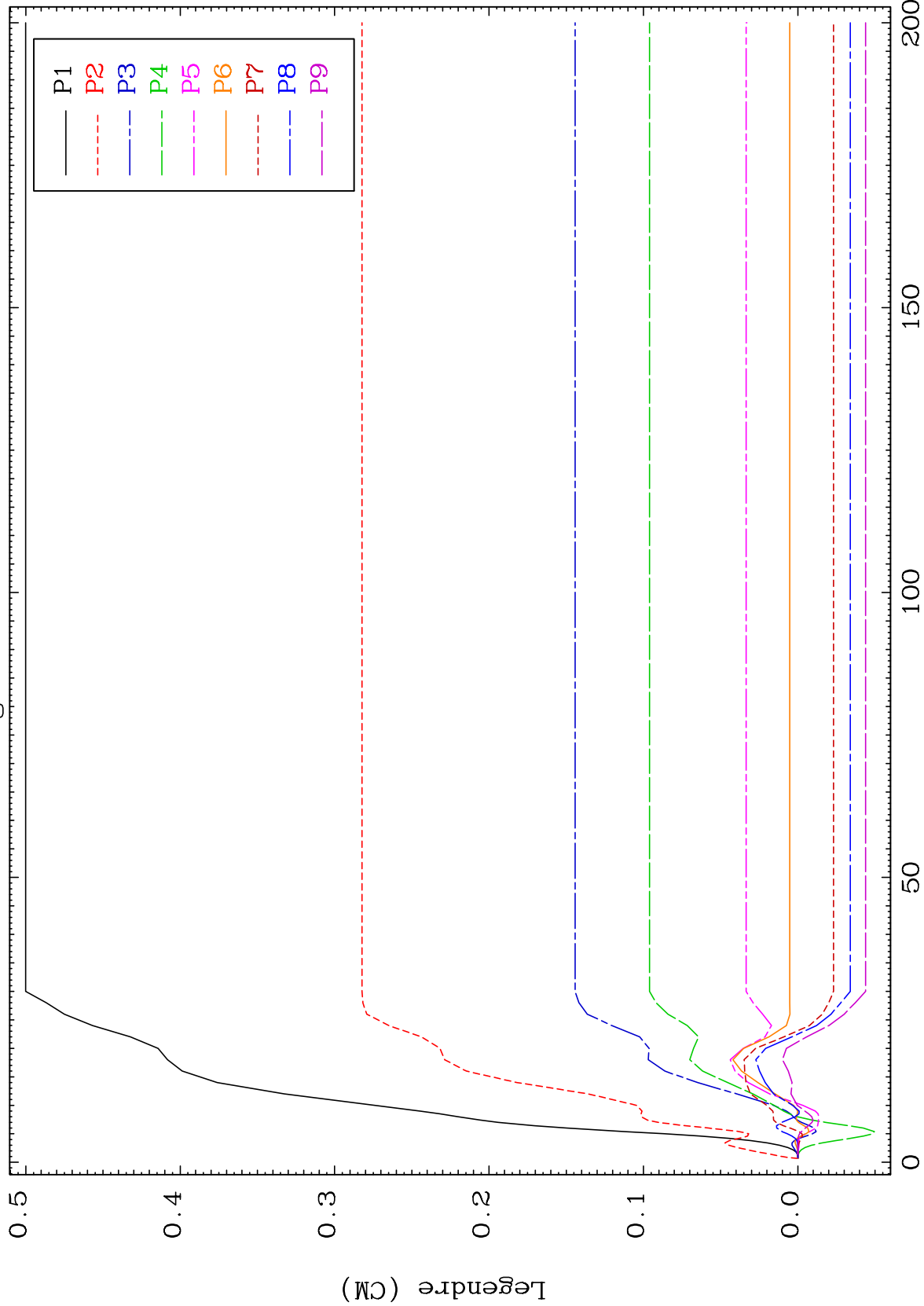
58-Ce-133

MAT 5816

MT= 62 (n,n') Level

58-Ce-133

Legendre Coefficients



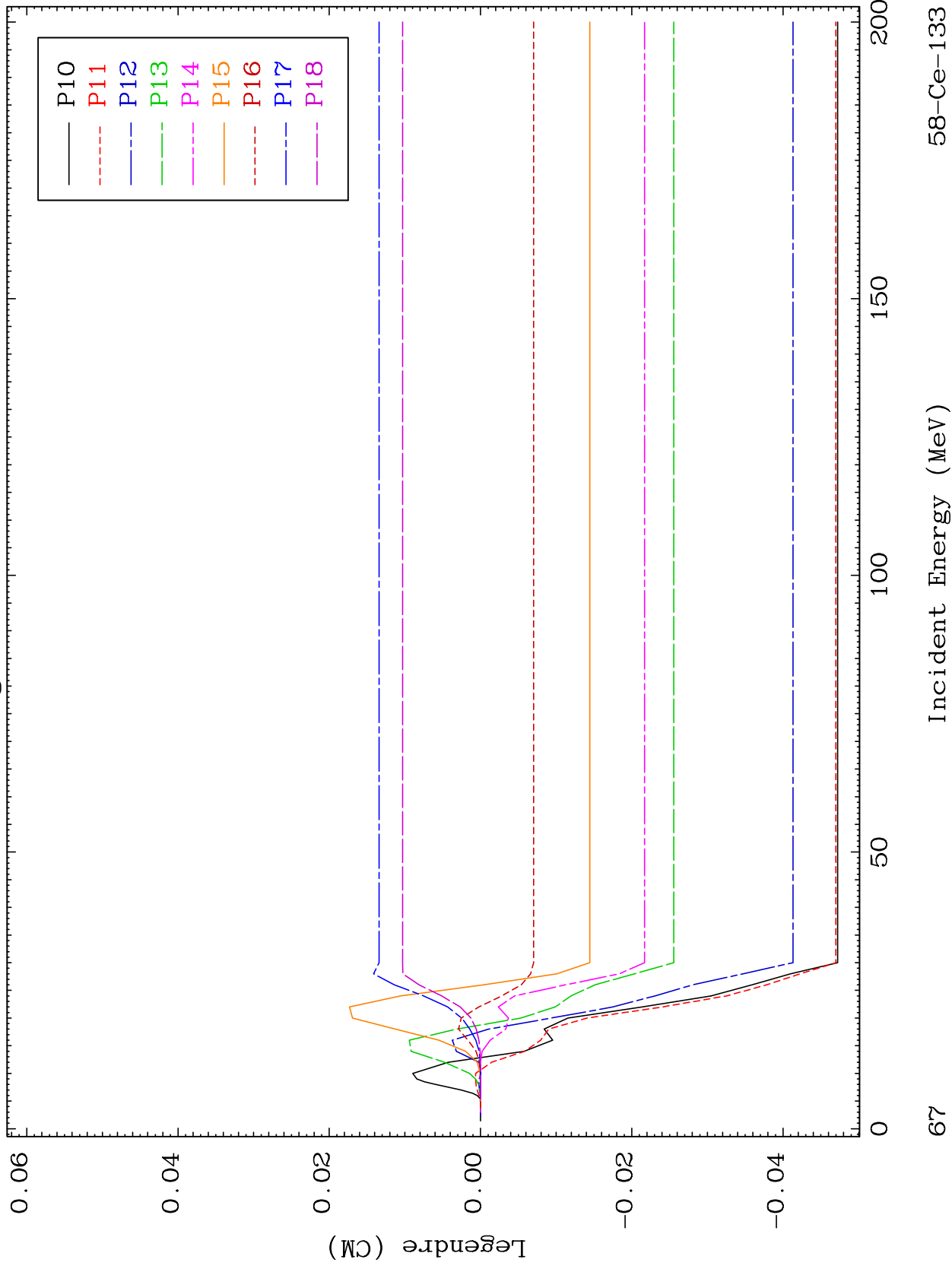
66

58-Ce-133

MAT 5816

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

58-Ce-133



67

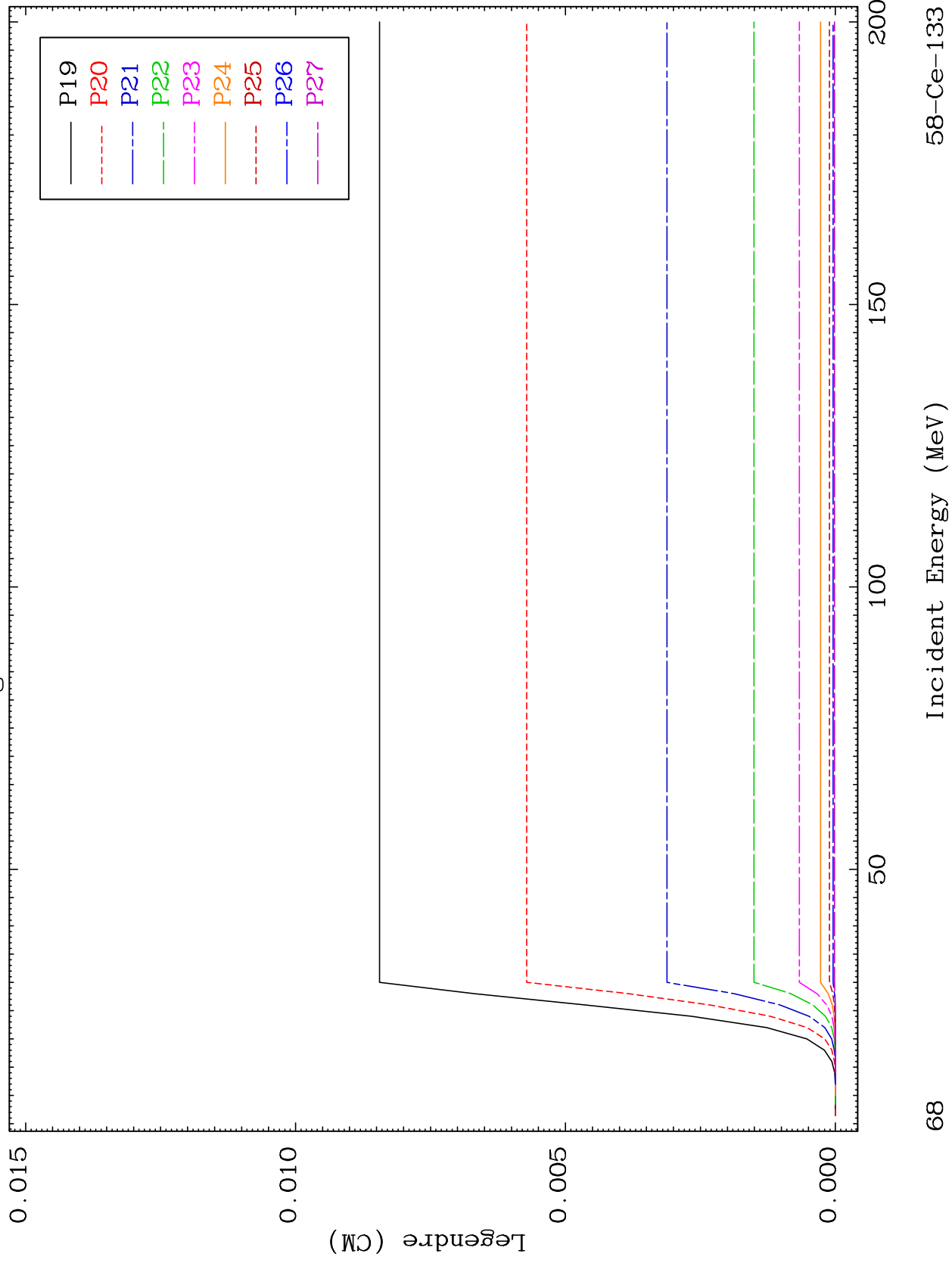
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



68

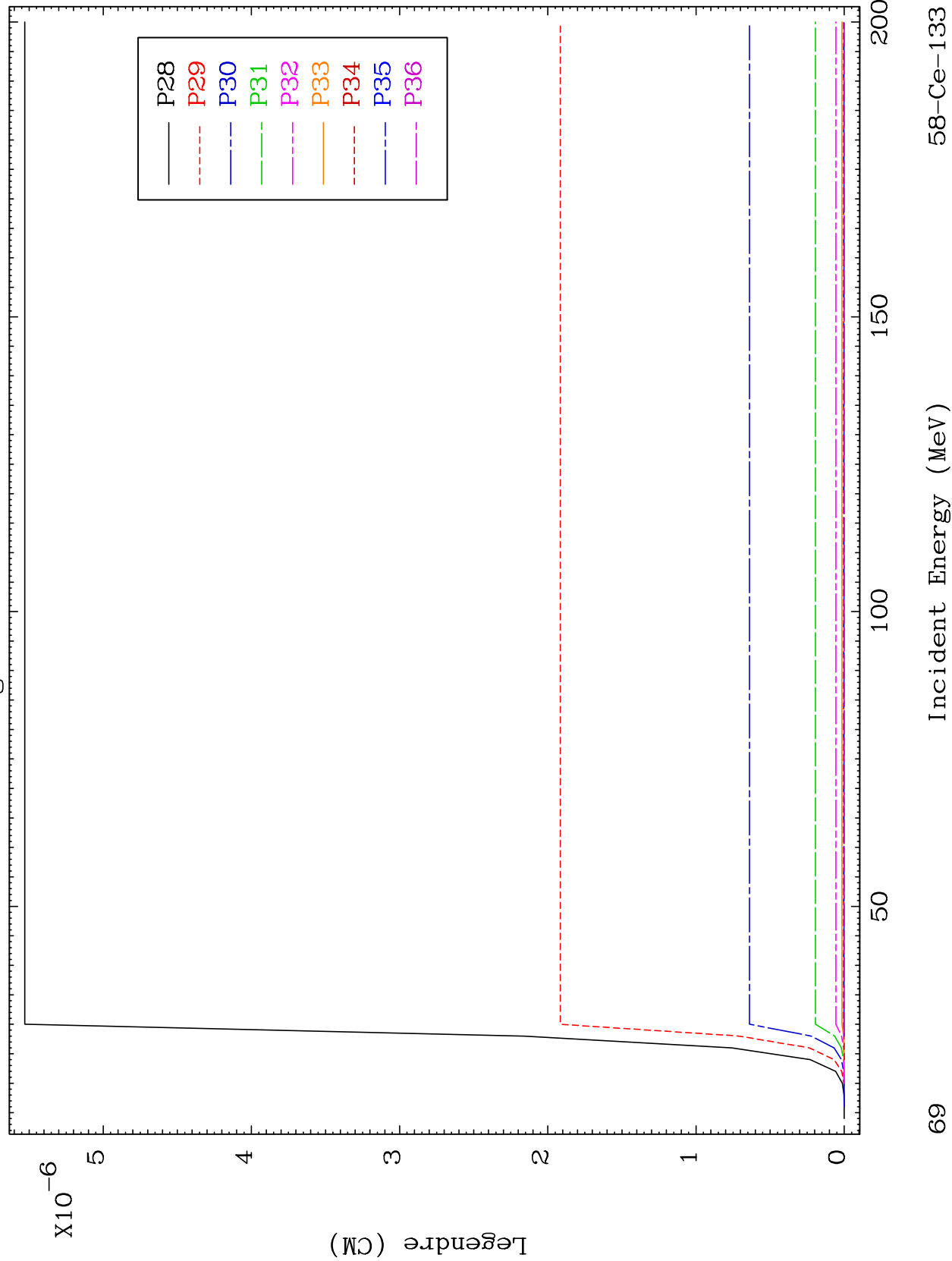
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133

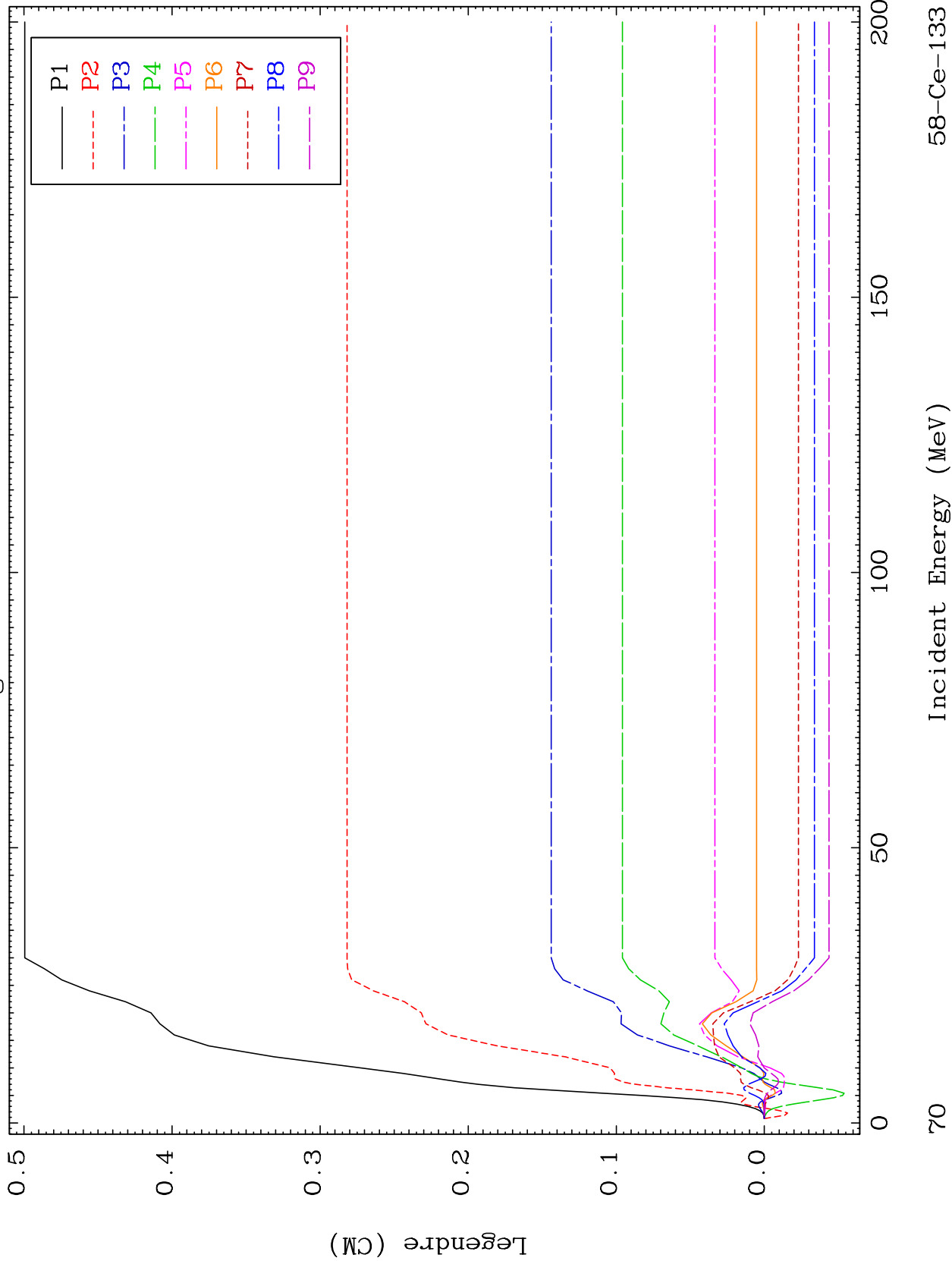


MAT 5816

MT= 63 (n,n') Level

58-Ce-133

Legendre Coefficients



58-Ce-133

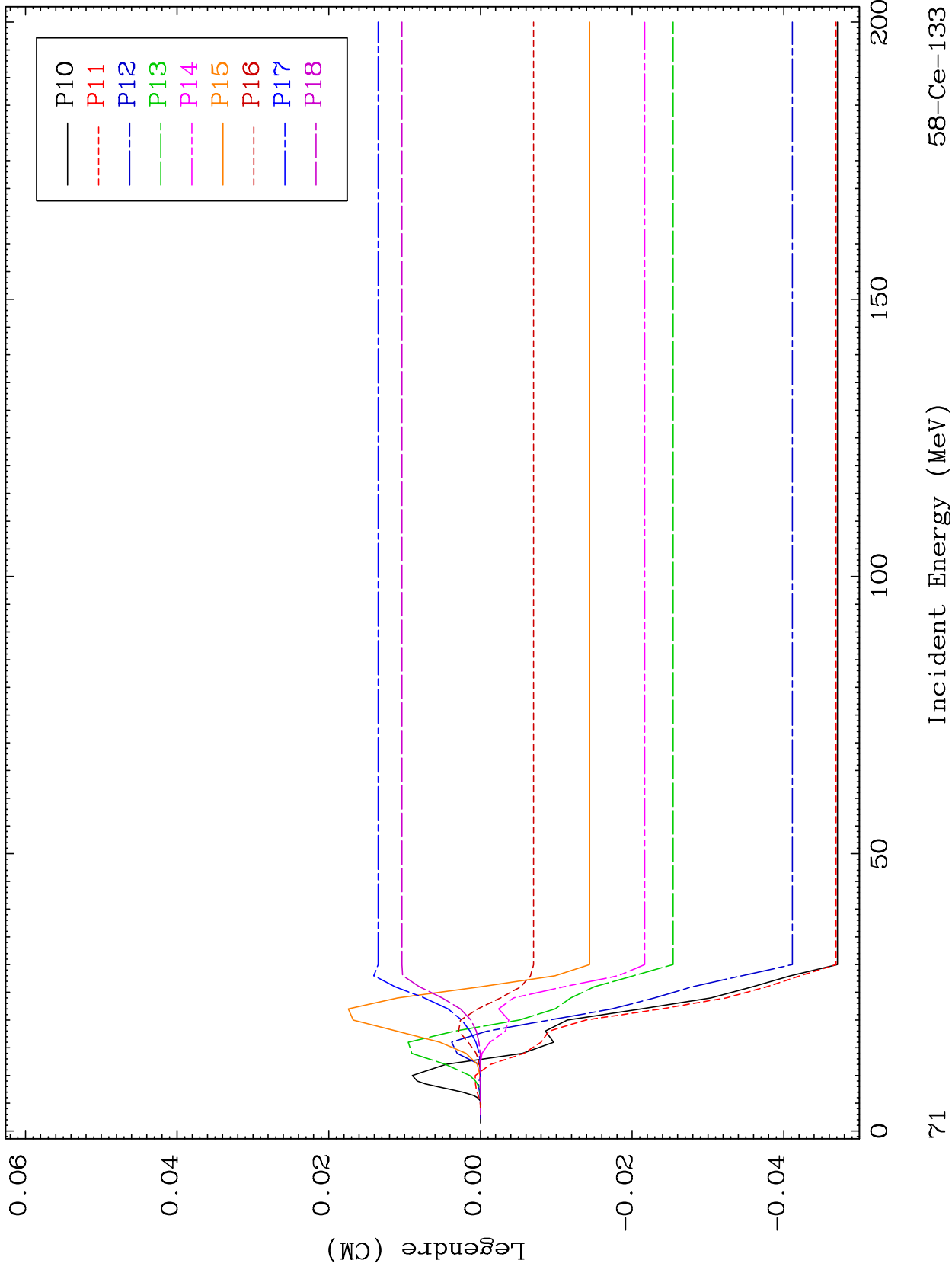
Incident Energy (MeV)

70

MAT 5816

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

58-Ce-133



71

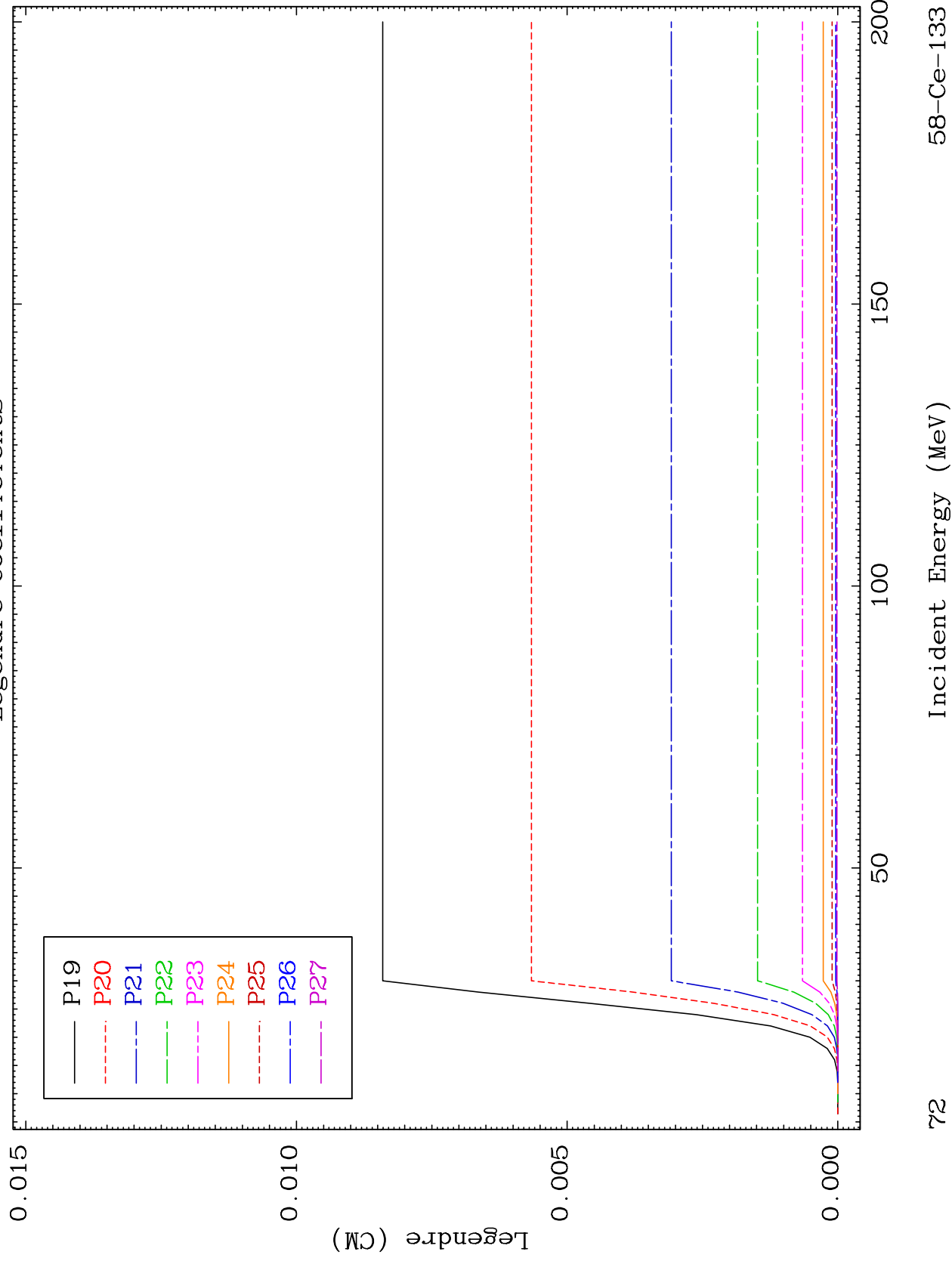
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



72

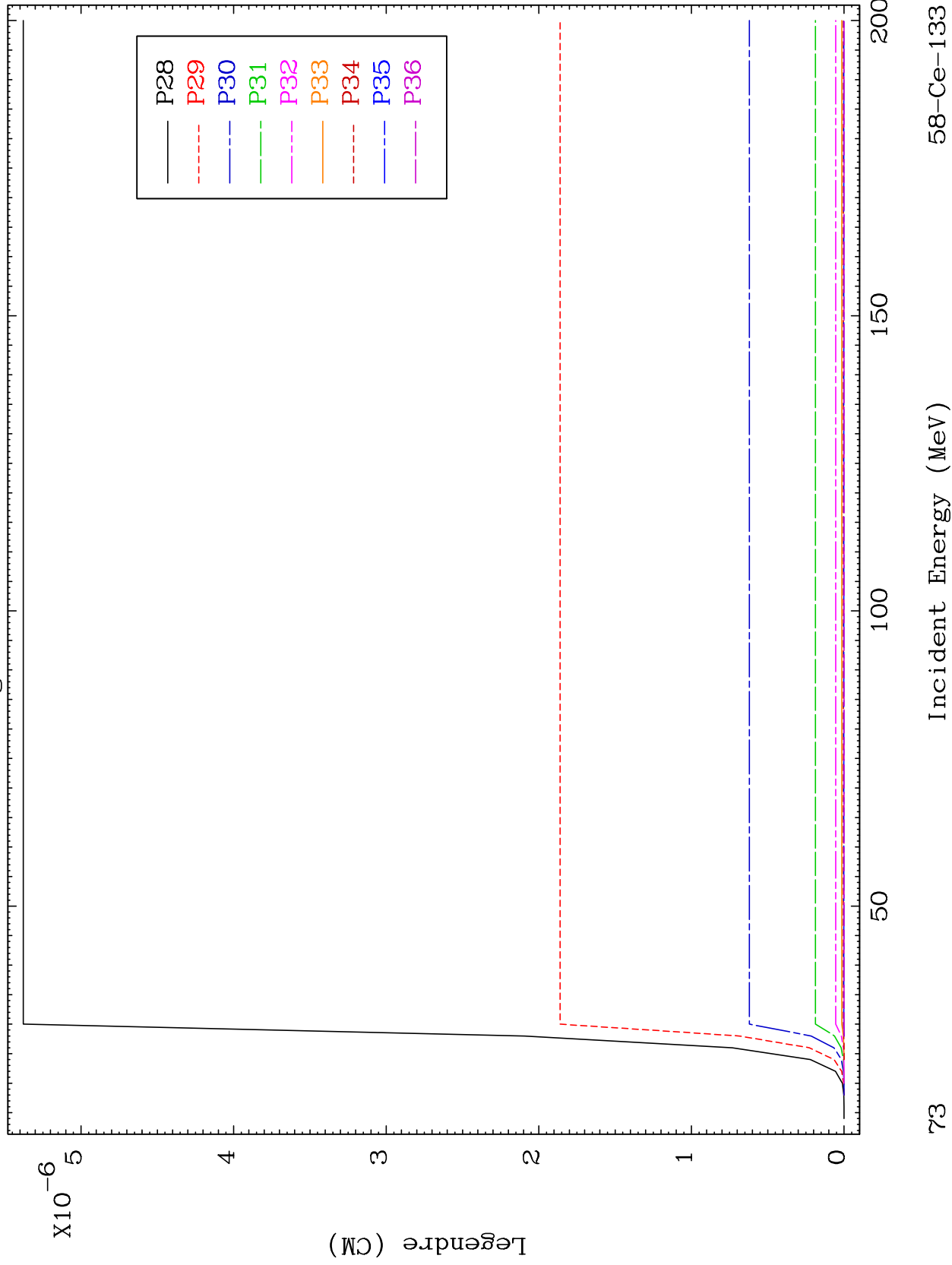
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133

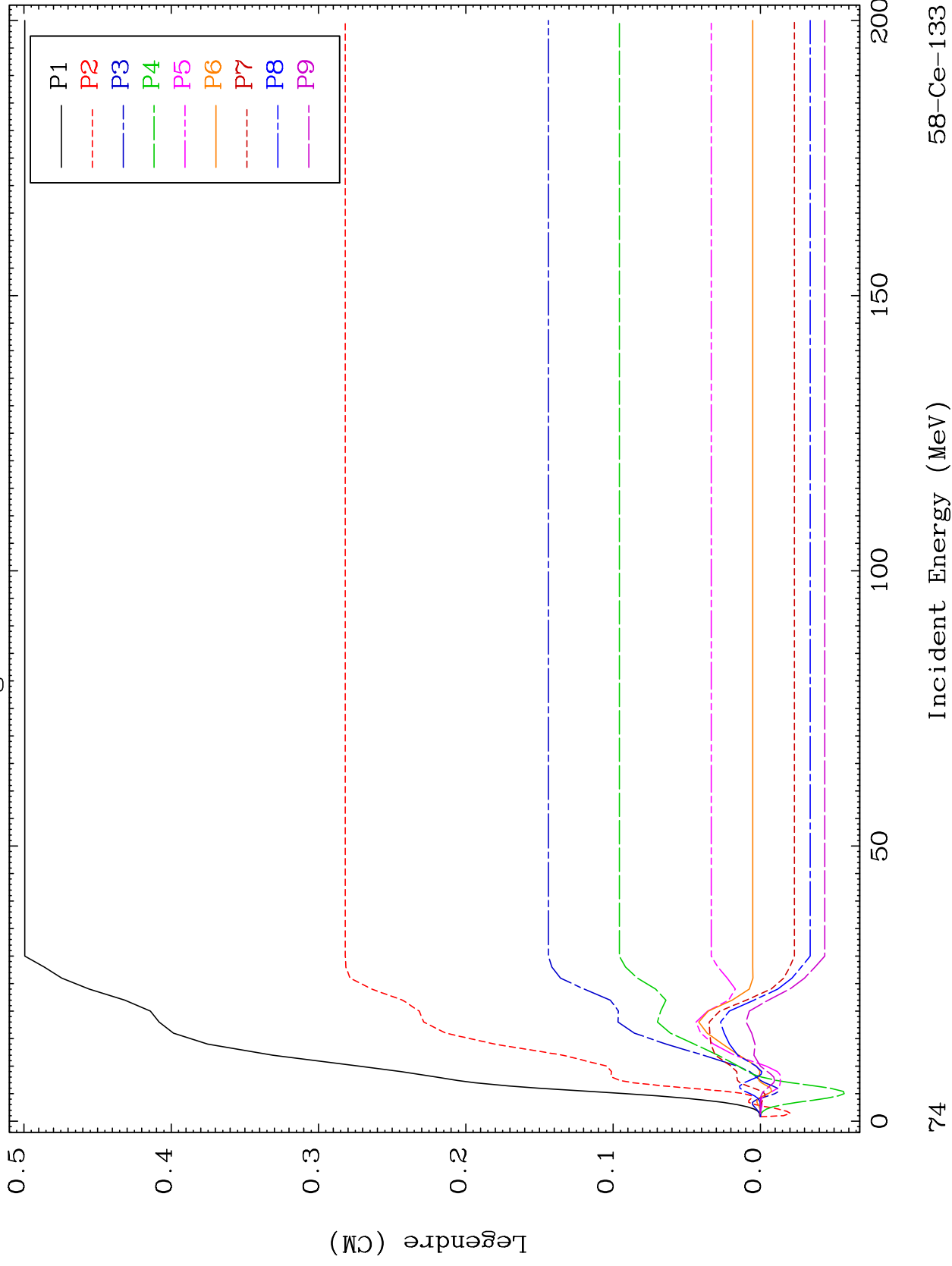


MAT 5816

MT= 64 (n,n') Level

58-Ce-133

Legendre Coefficients



74

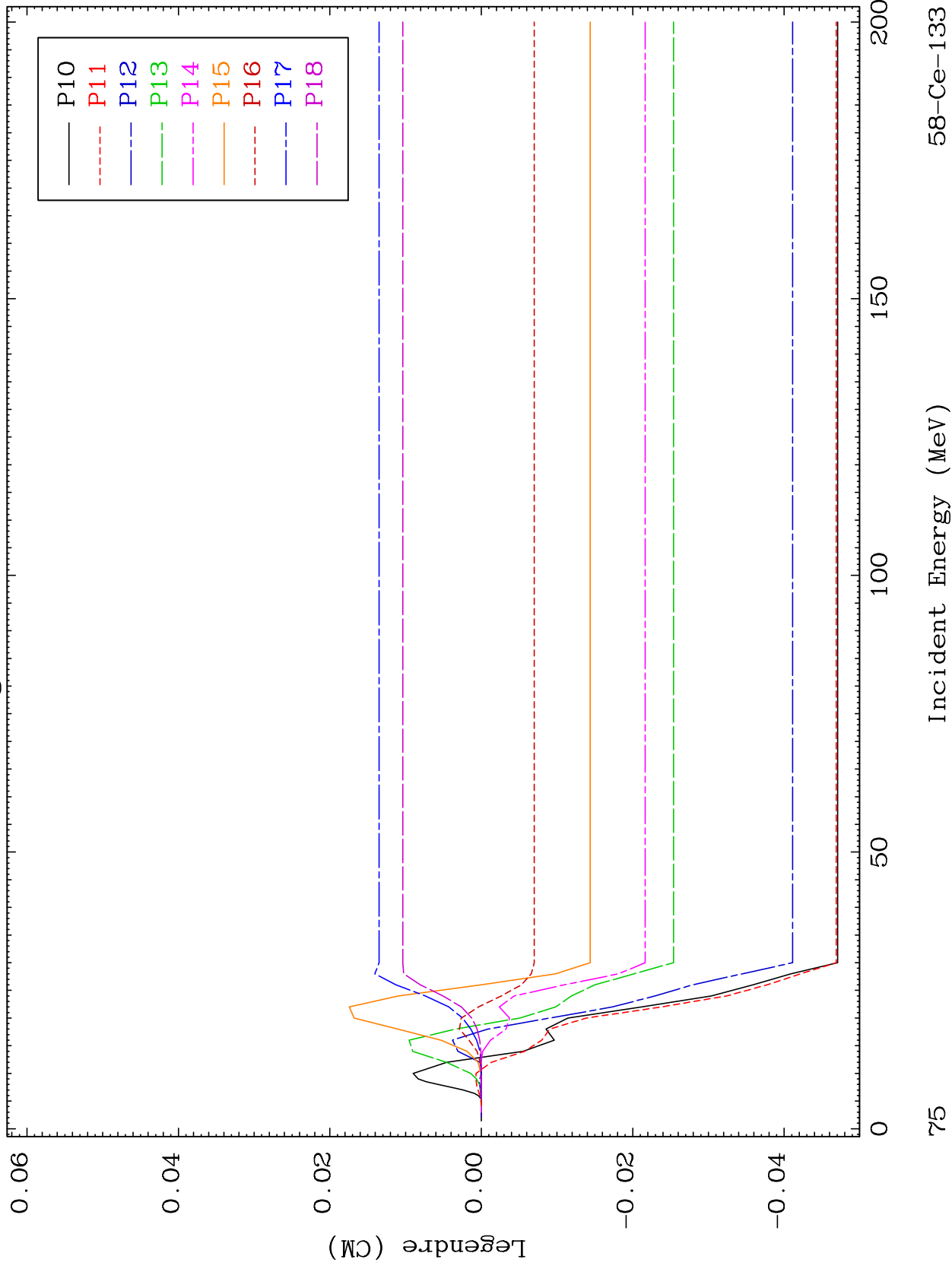
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



58-Ce-133

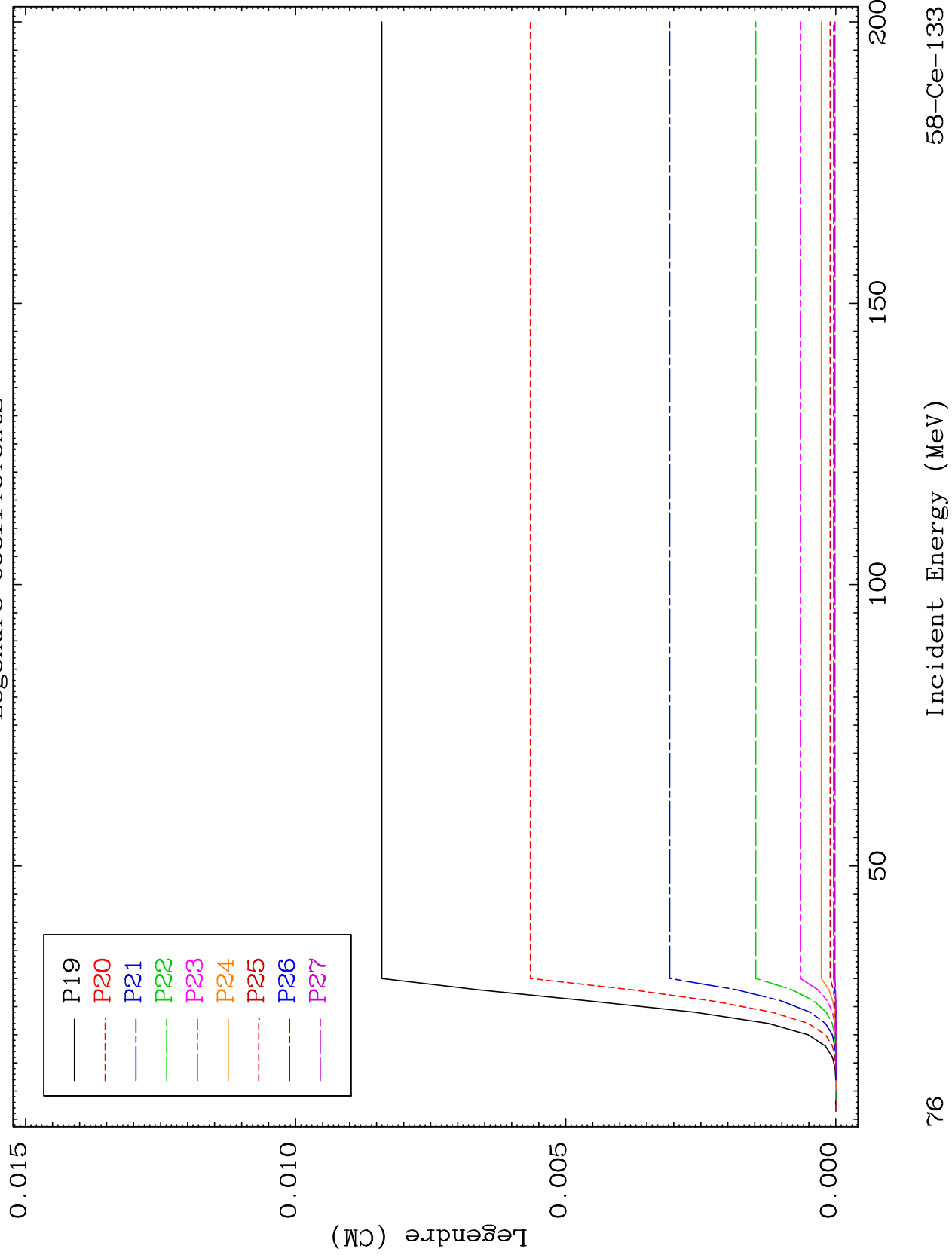
Incident Energy (MeV)

75

MAT 5816

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

58-Ce-133



76

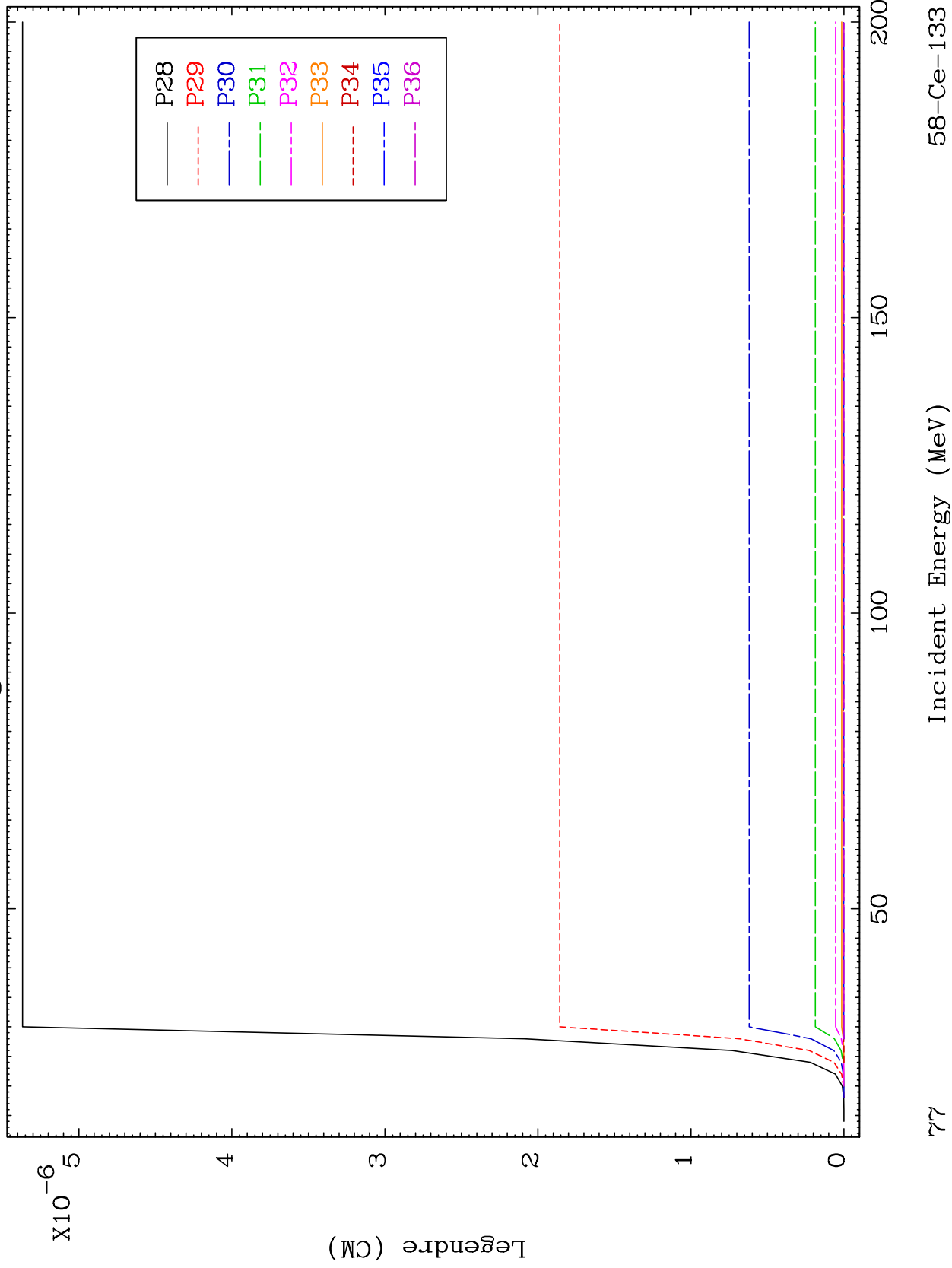
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

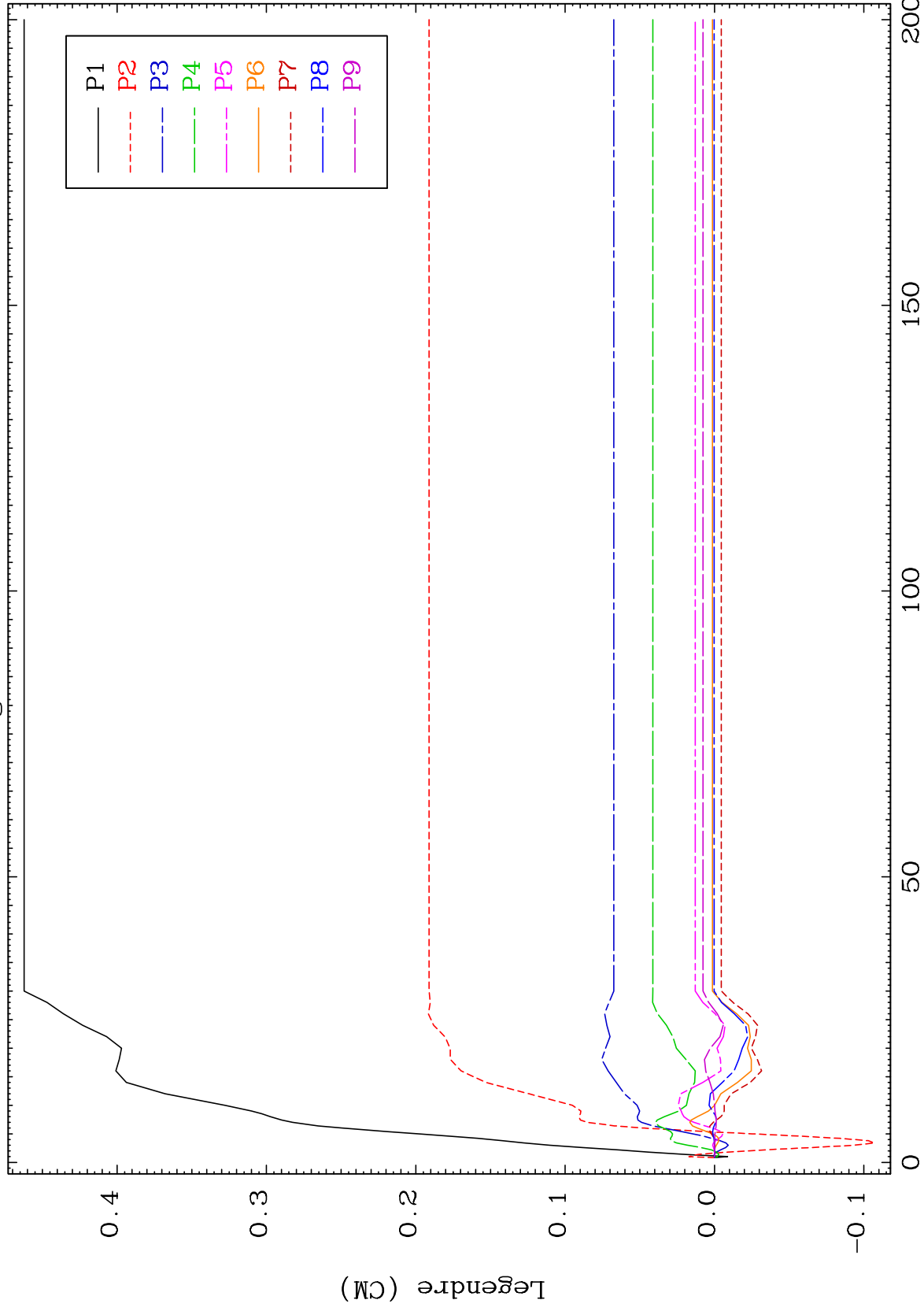
58-Ce-133



MAT 5816

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

58-Ce-133



78

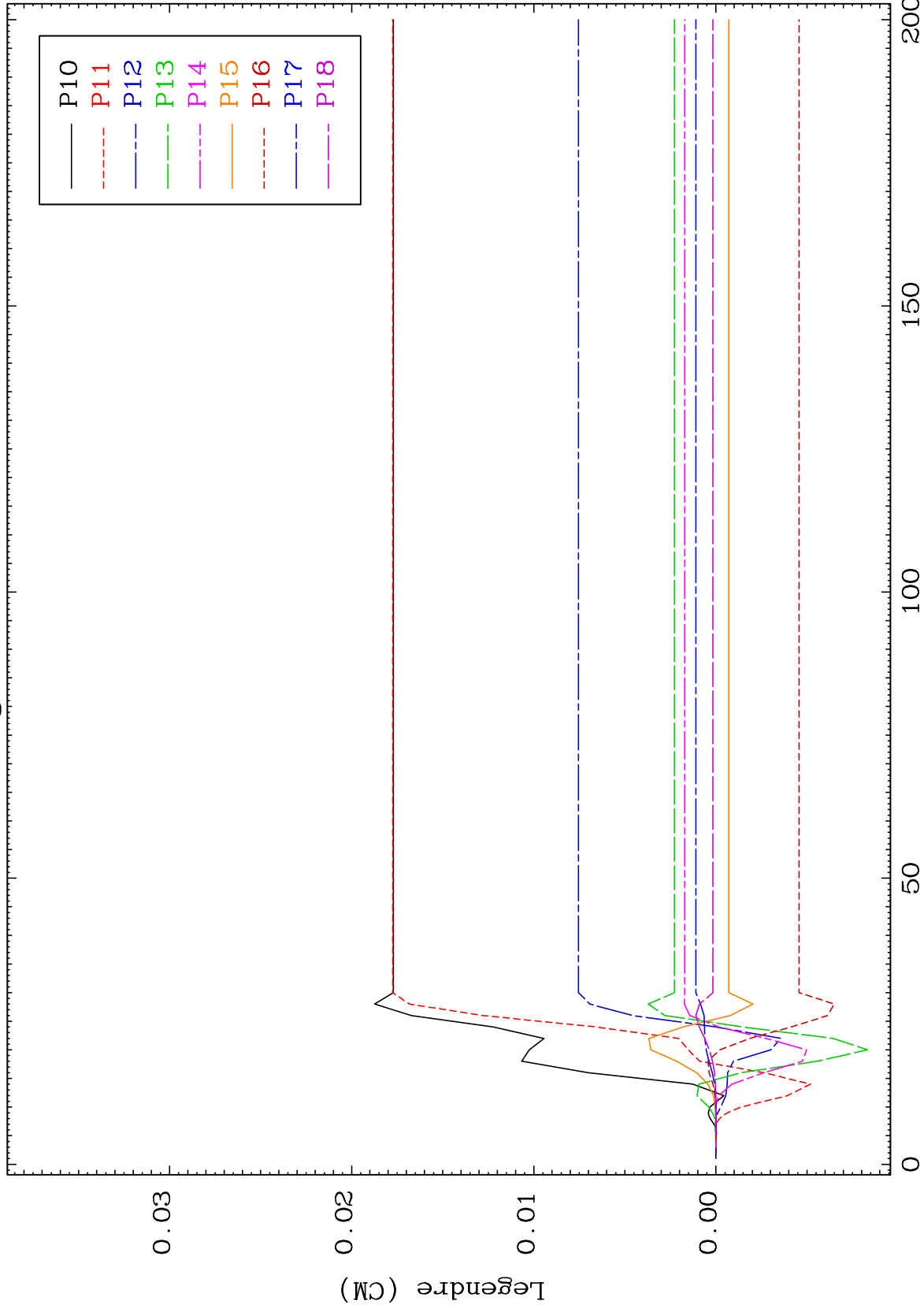
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



79

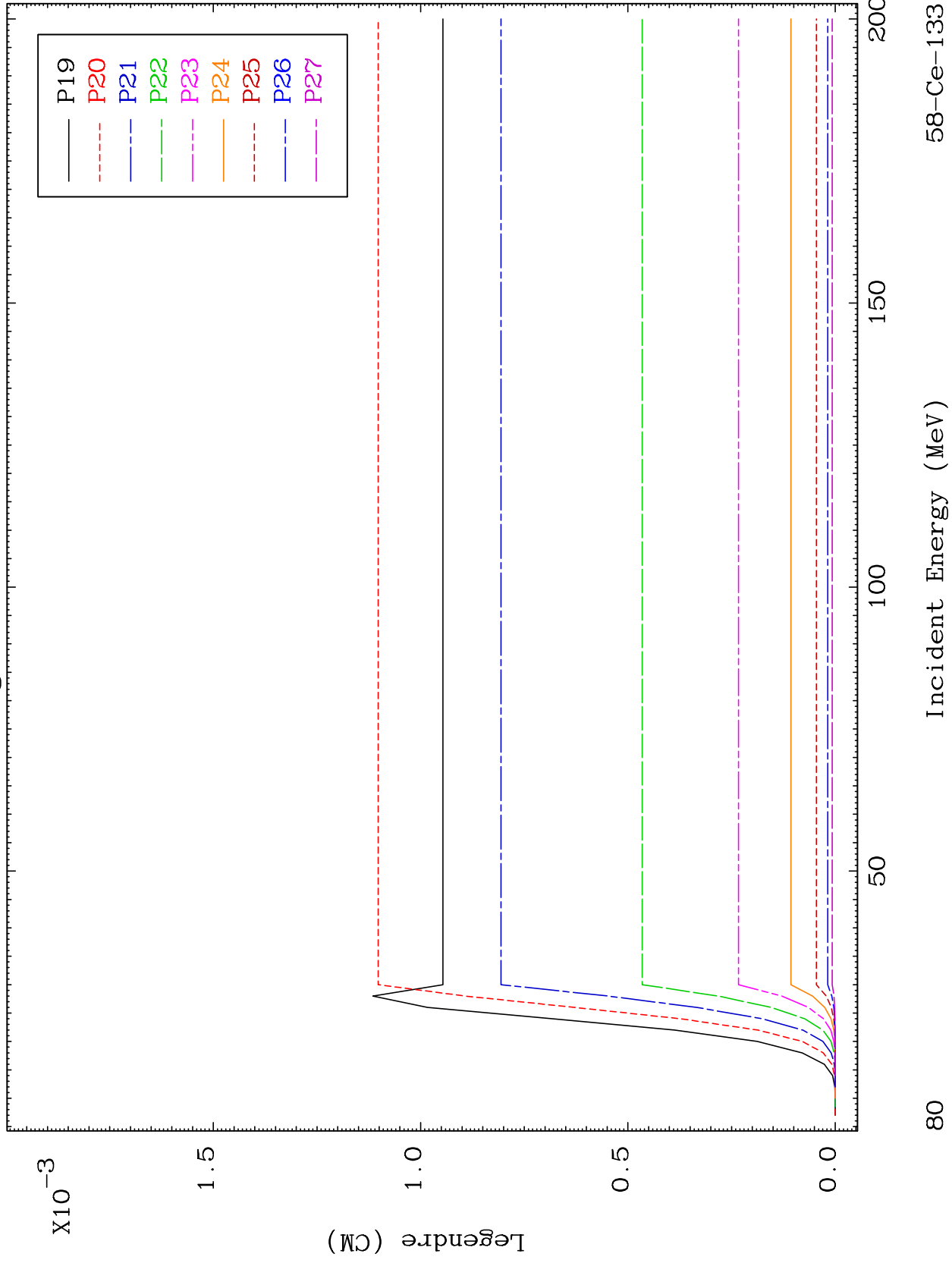
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

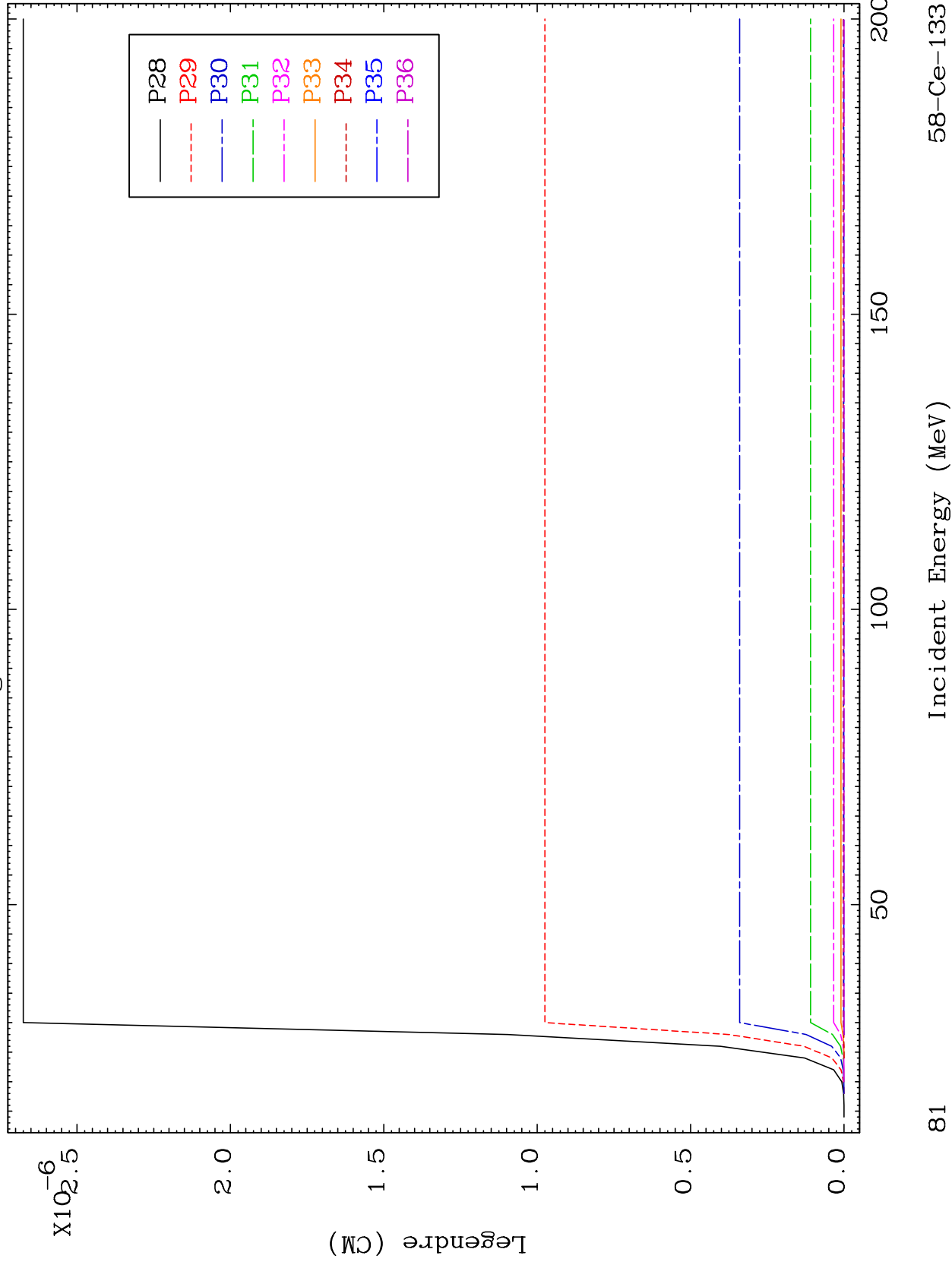
58-Ce-133



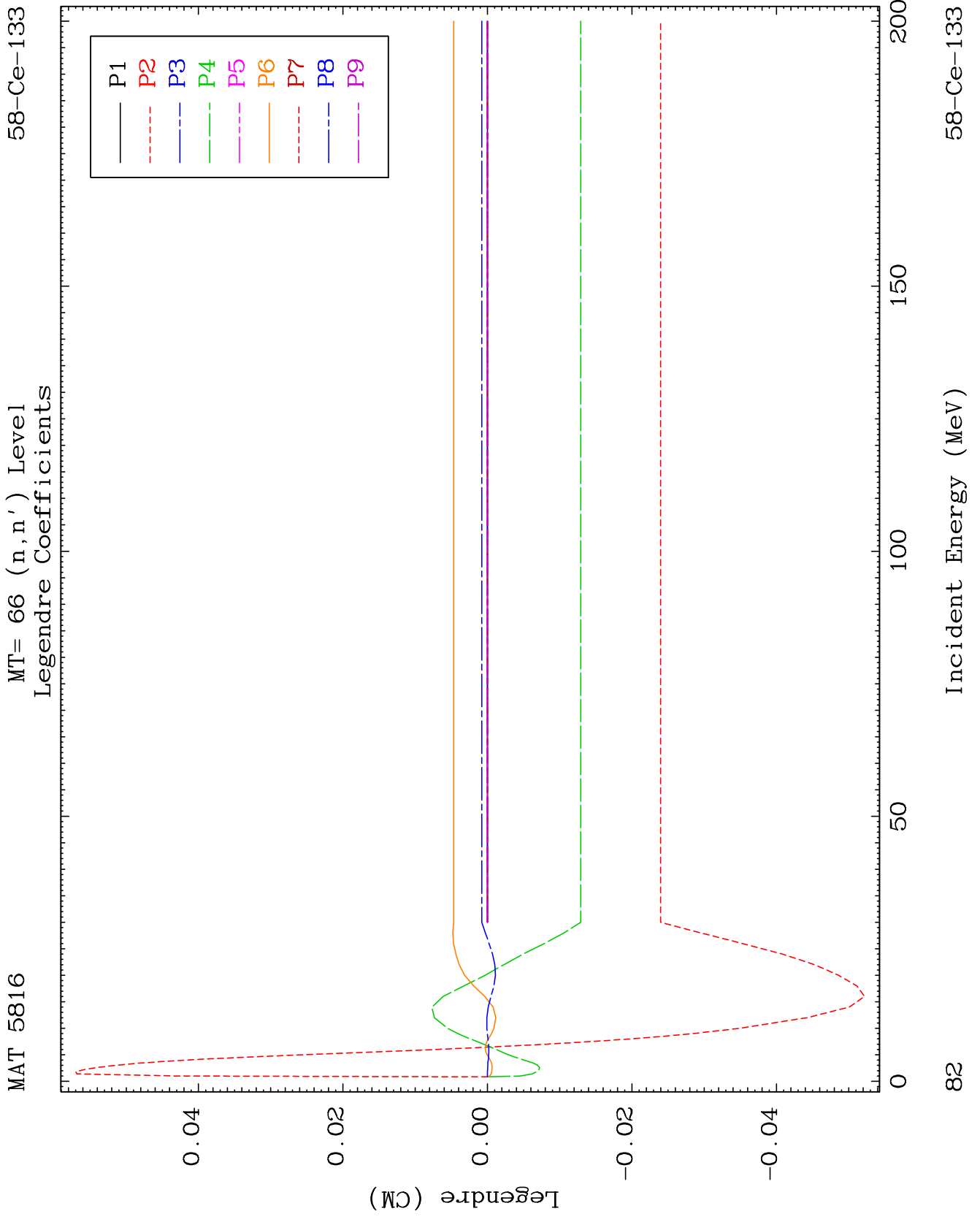
MAT 5816

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

58-Ce-133



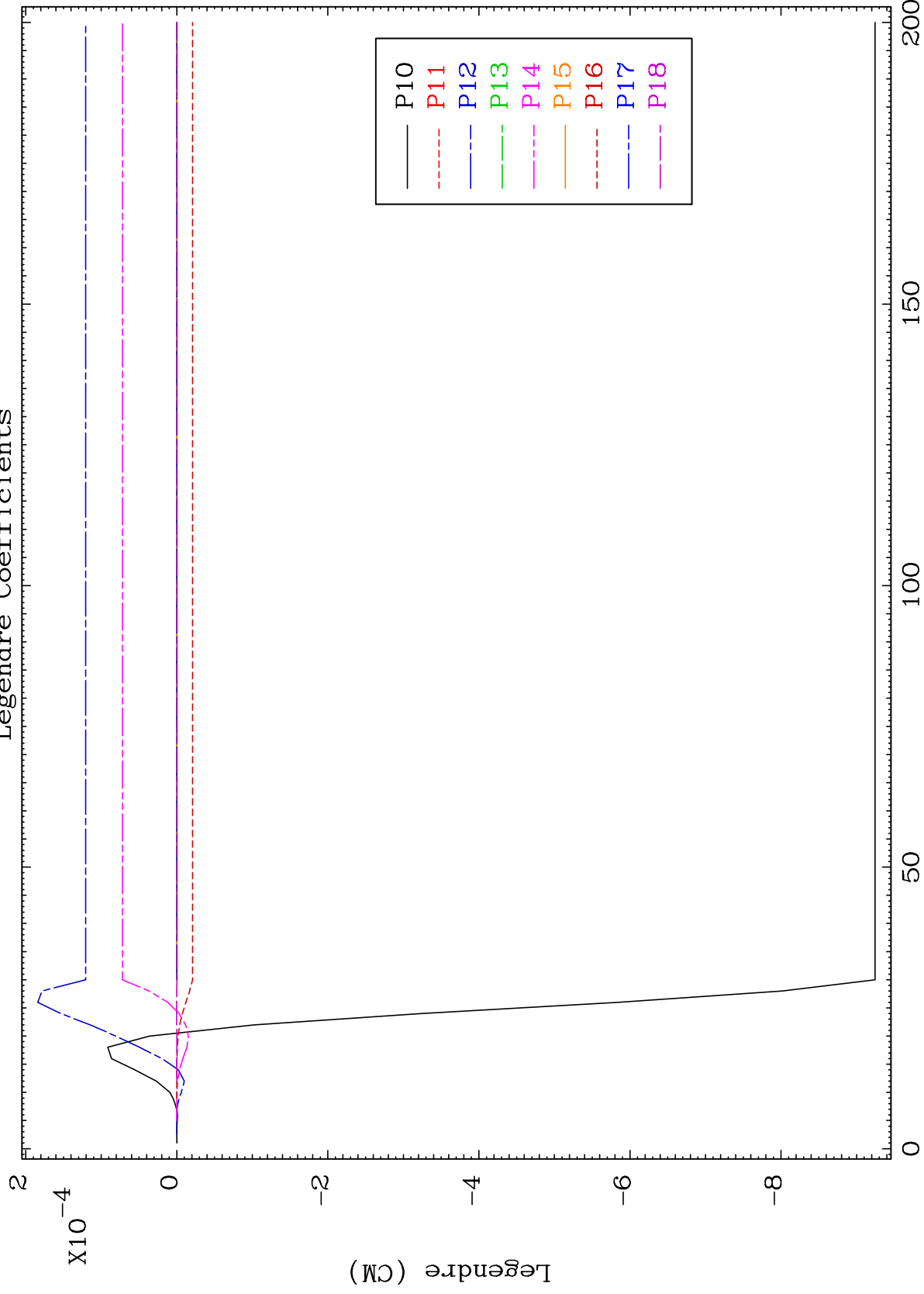
81



MAT 5816

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

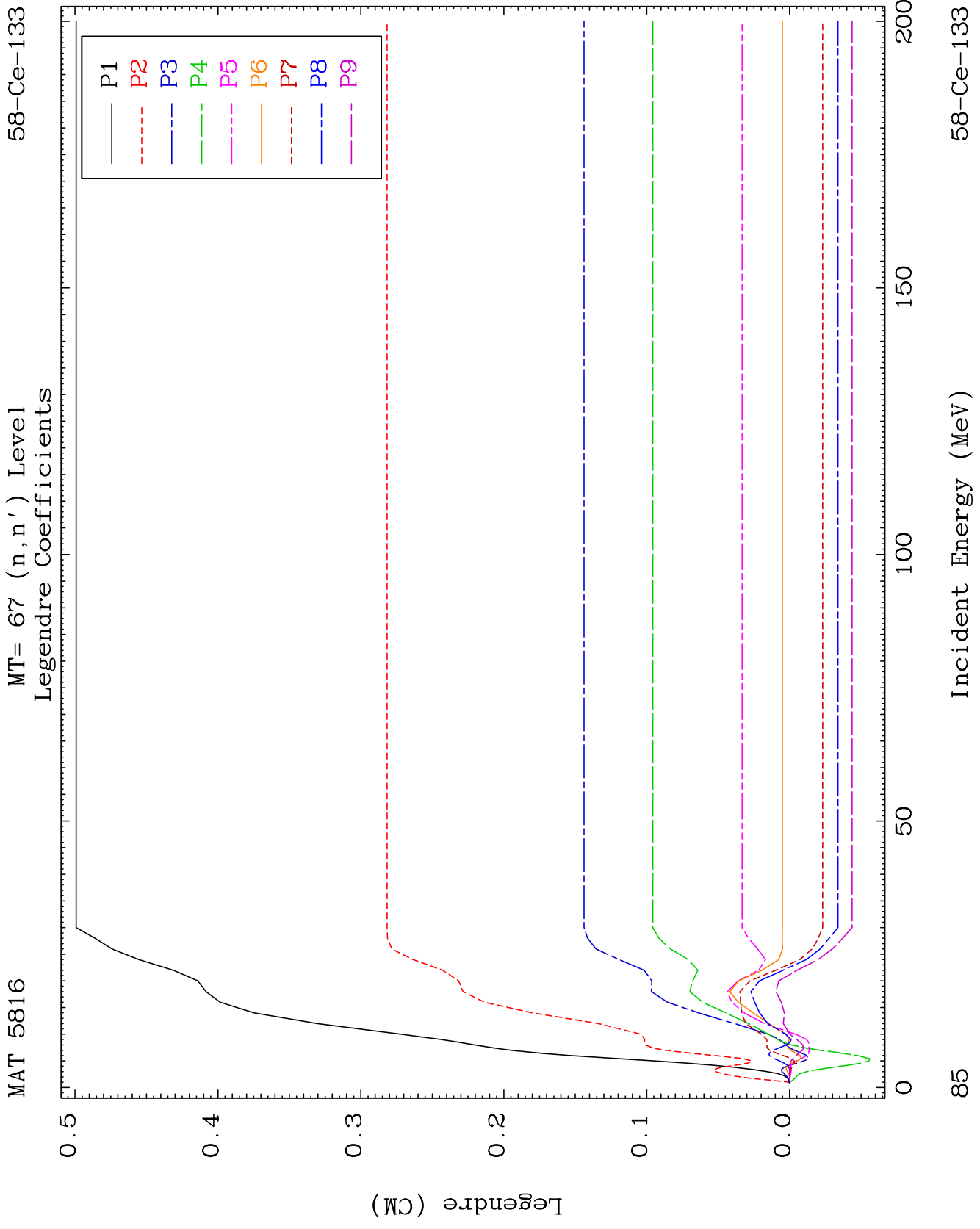
58-Ce-133



83

Incident Energy (MeV)

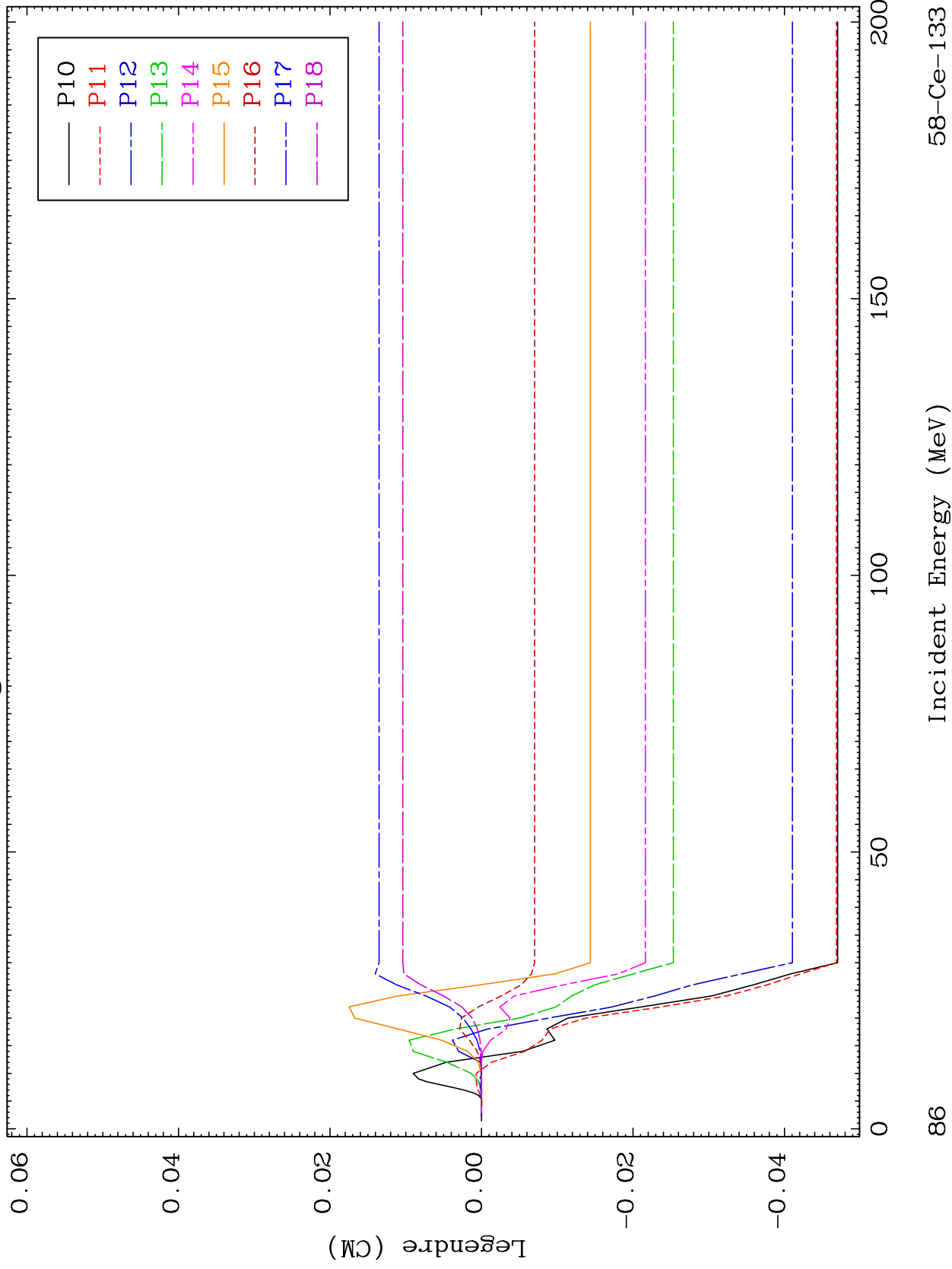
58-Ce-133



MAT 5816

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

58-Ce-133



58-Ce-133

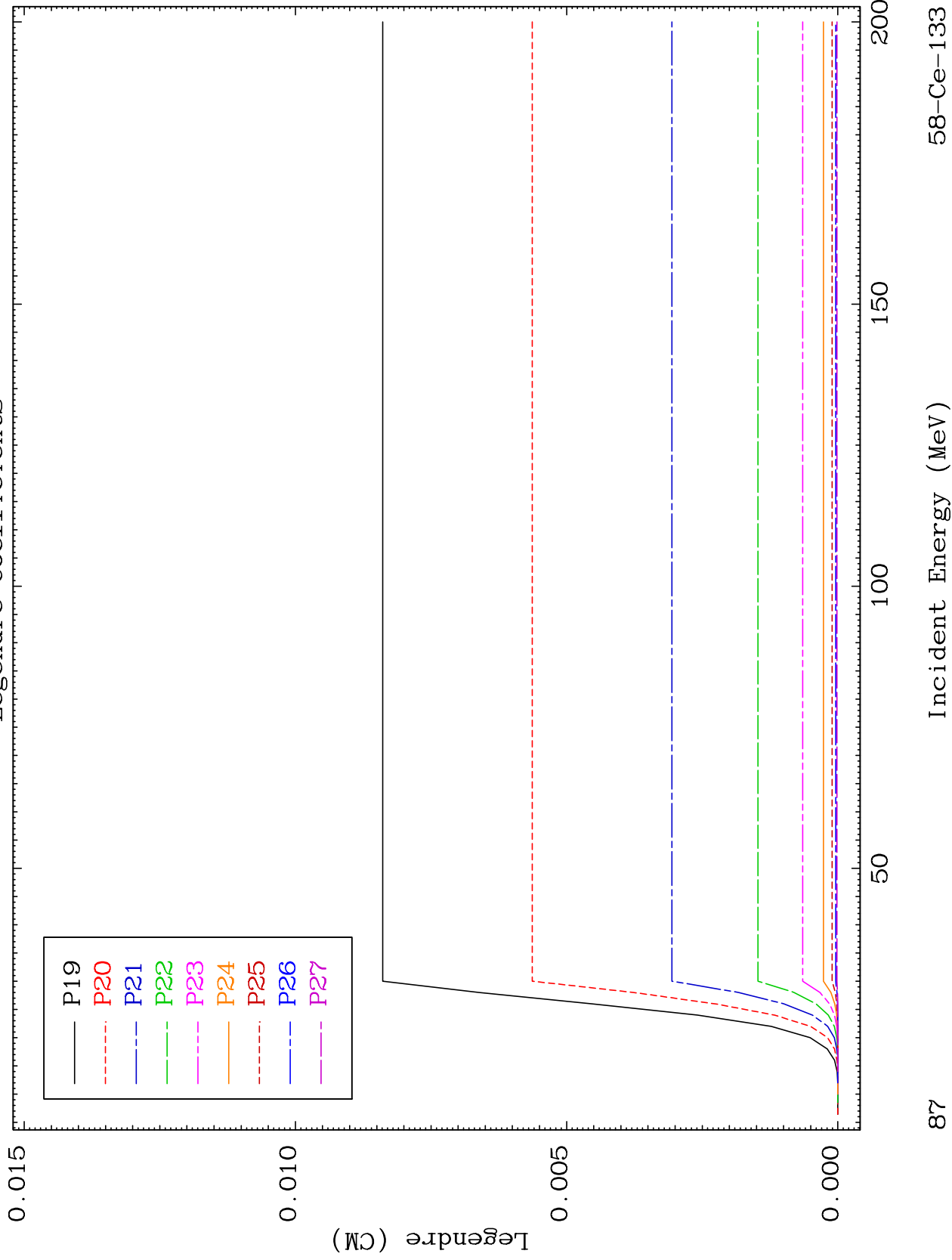
Incident Energy (MeV)

86

MAT 5816

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

58-Ce-133



87

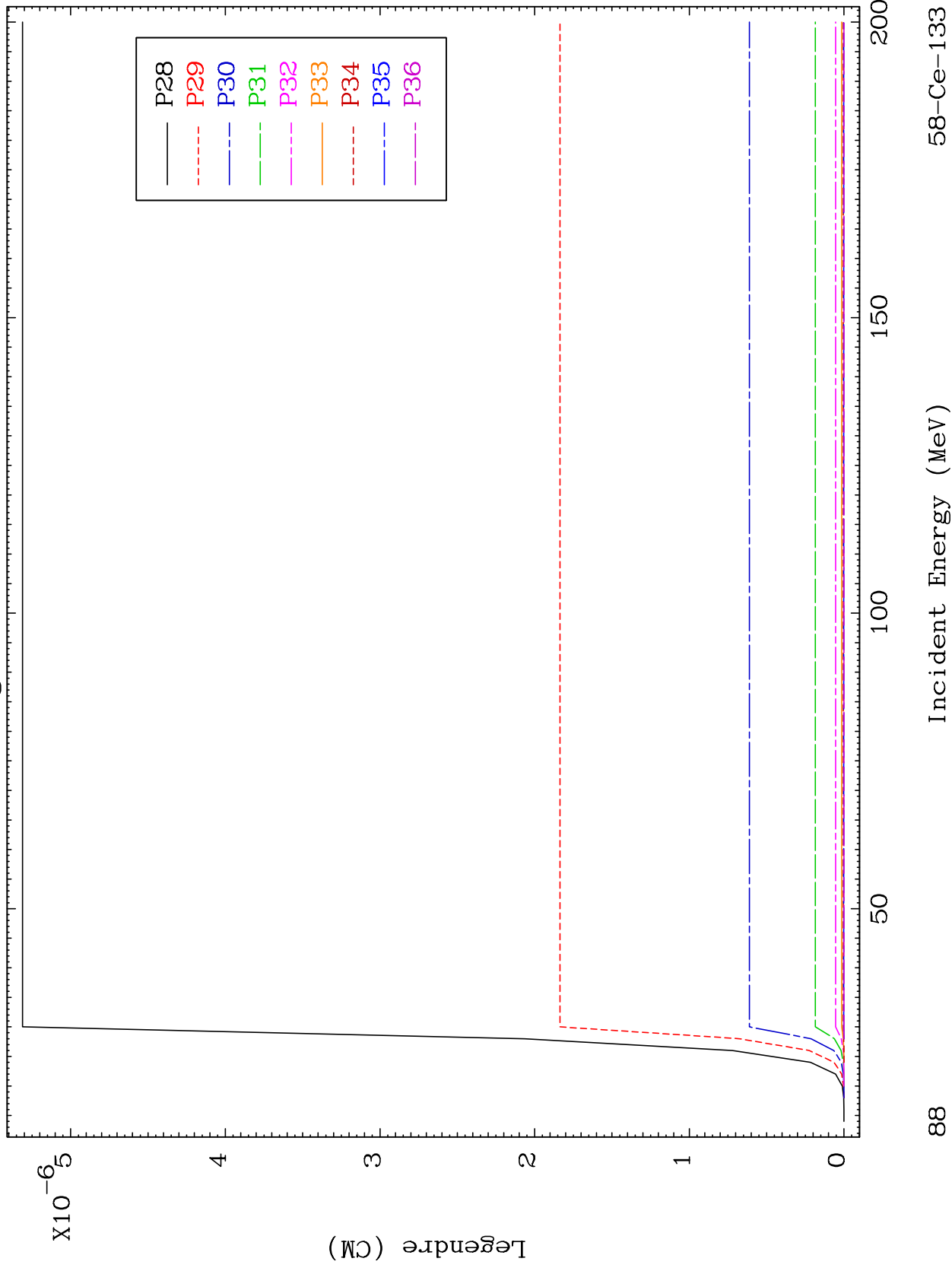
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



88

Incident Energy (MeV)

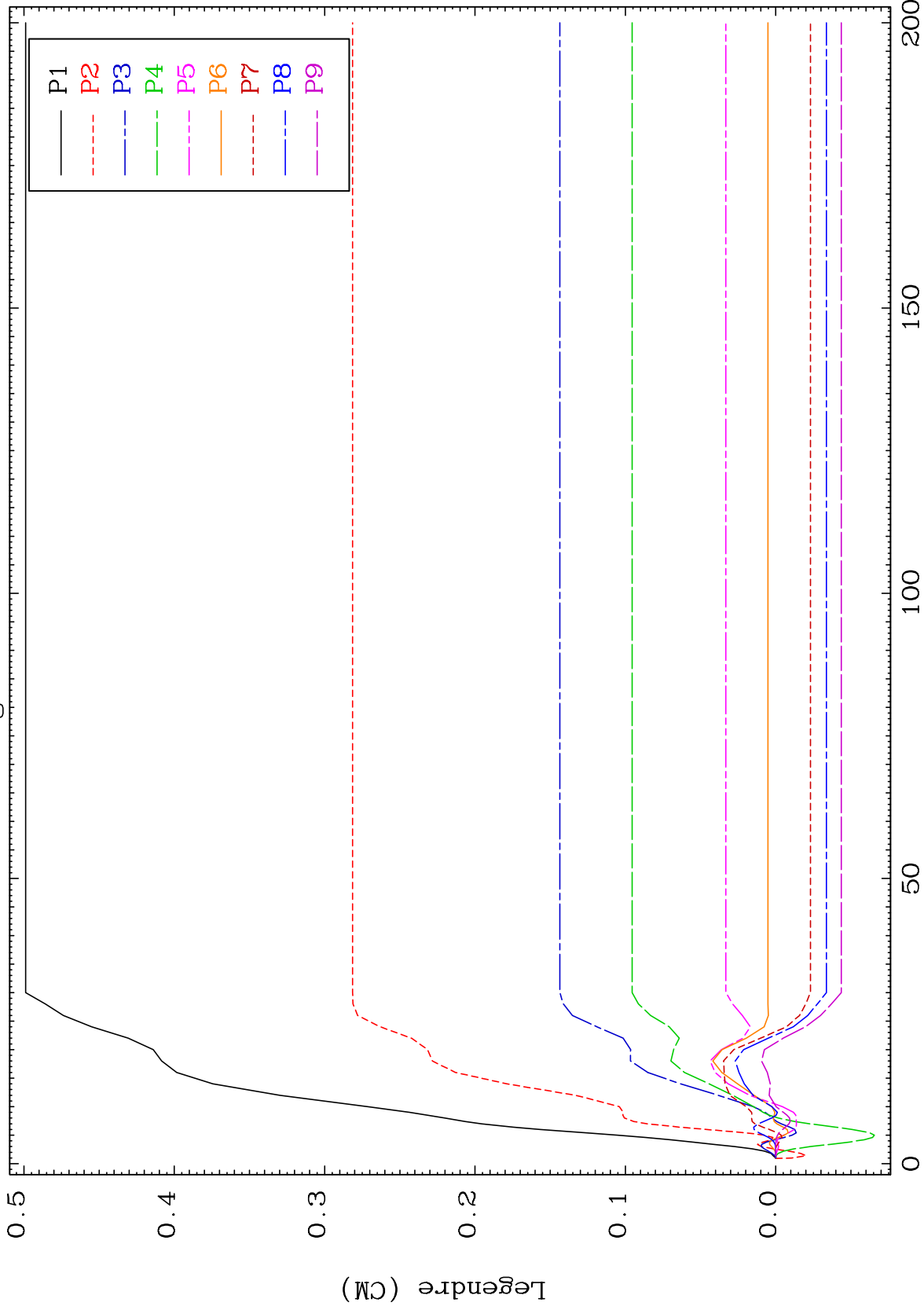
58-Ce-133

MAT 5816

MT= 68 (n,n') Level

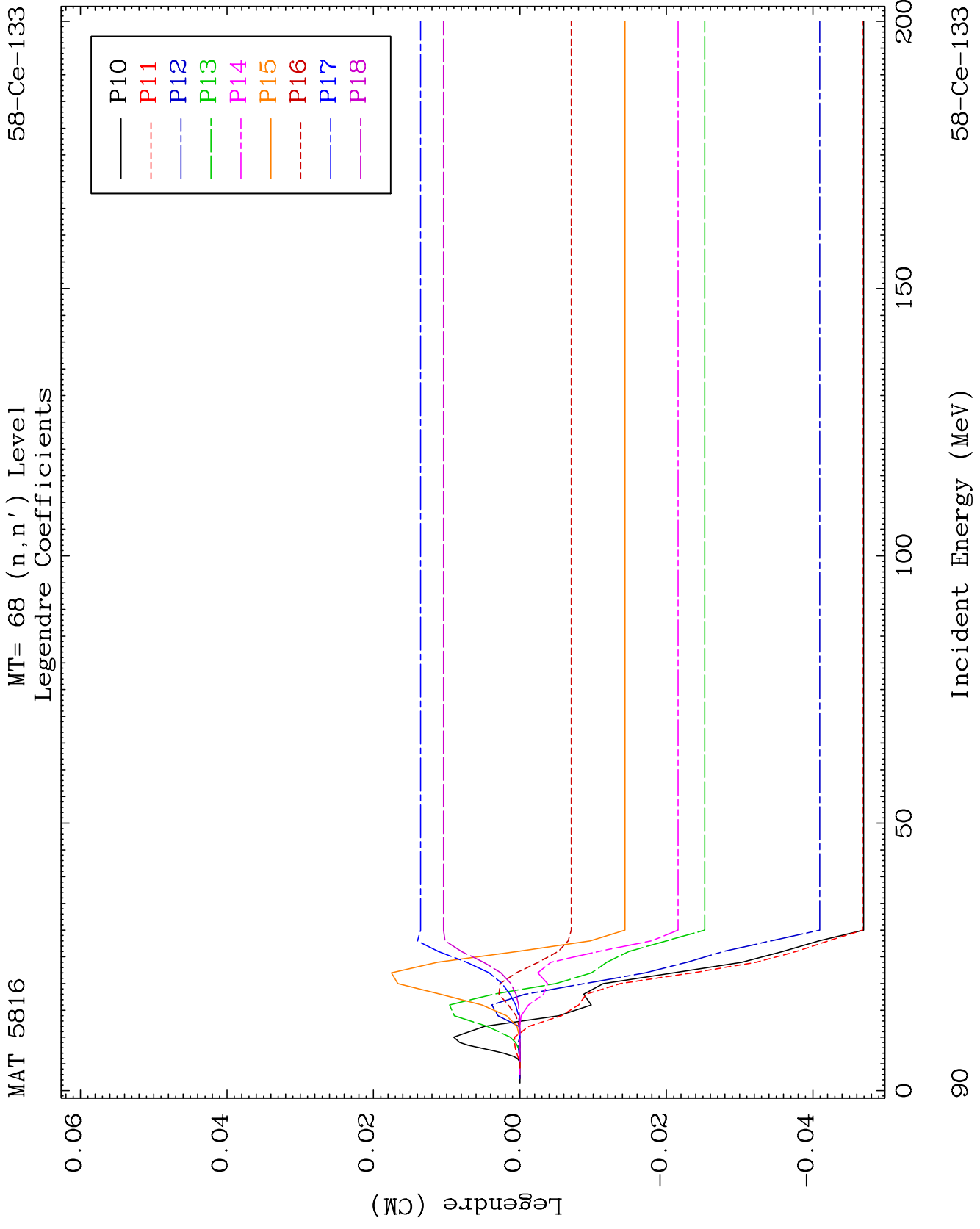
58-Ce-133

Legendre Coefficients



89

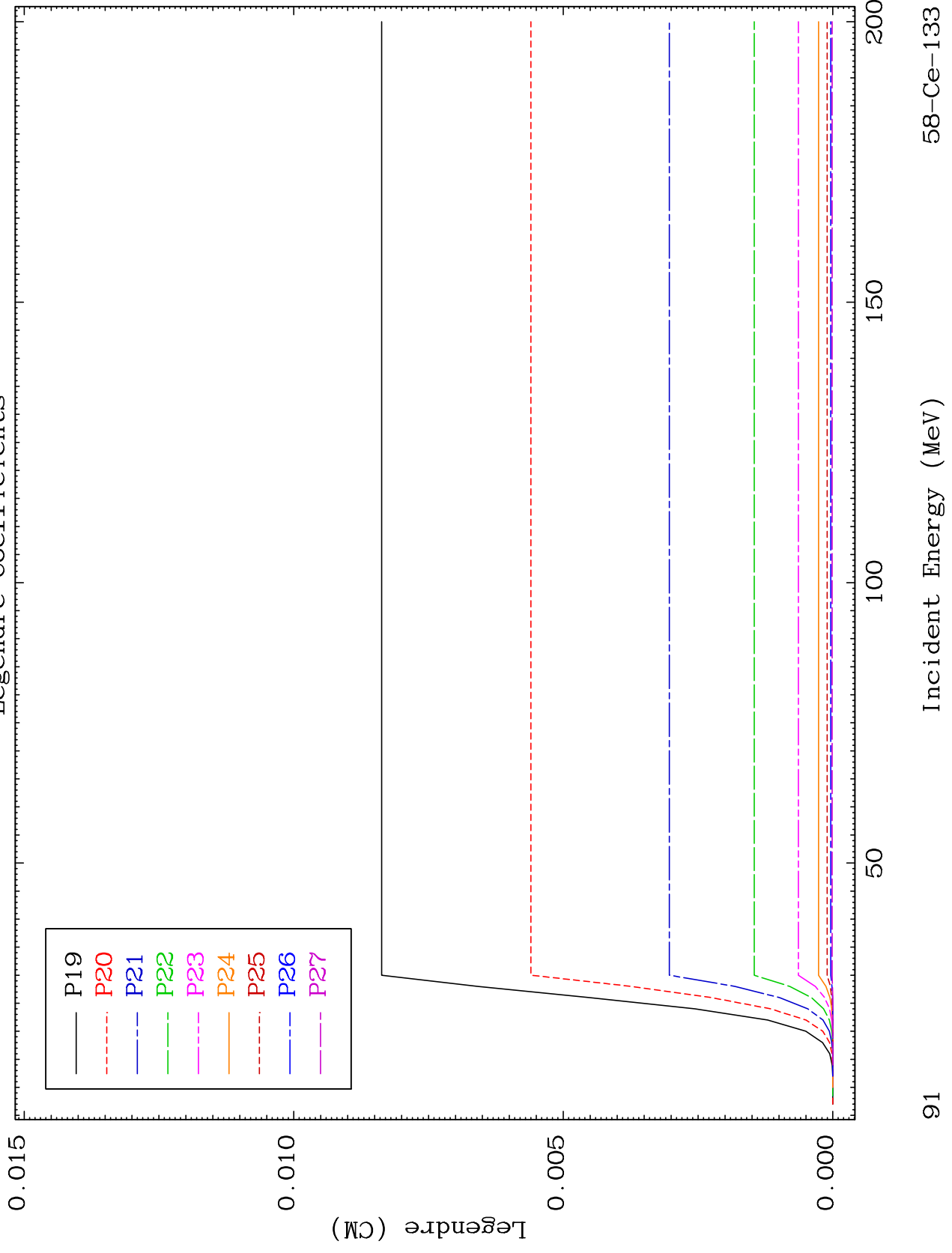
58-Ce-133



MAT 5816

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

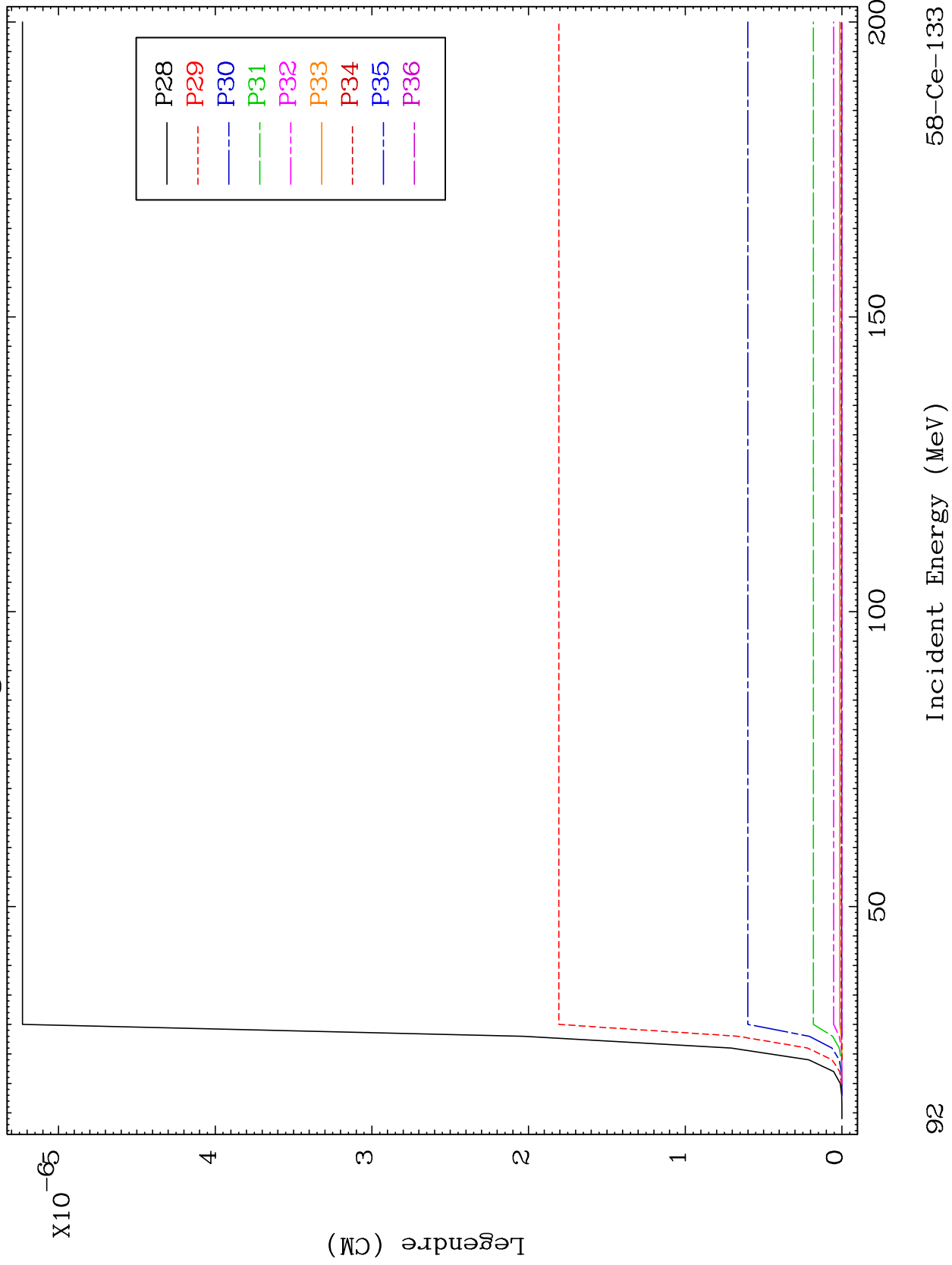
58-Ce-133



MAT 5816

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

58-Ce-133



92

Incident Energy (MeV)

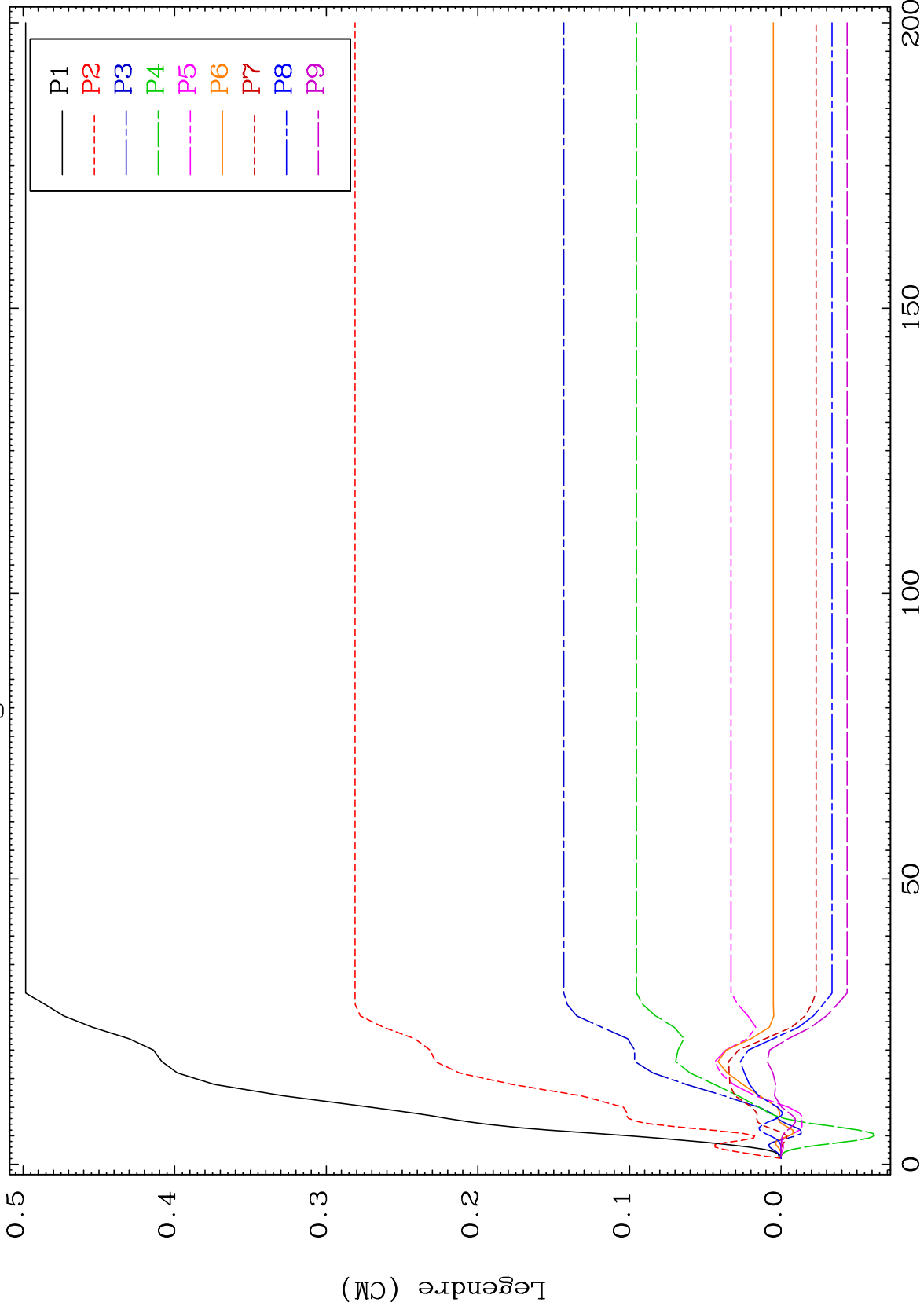
58-Ce-133

MAT 5816

MT= 69 (n,n') Level

58-Ce-133

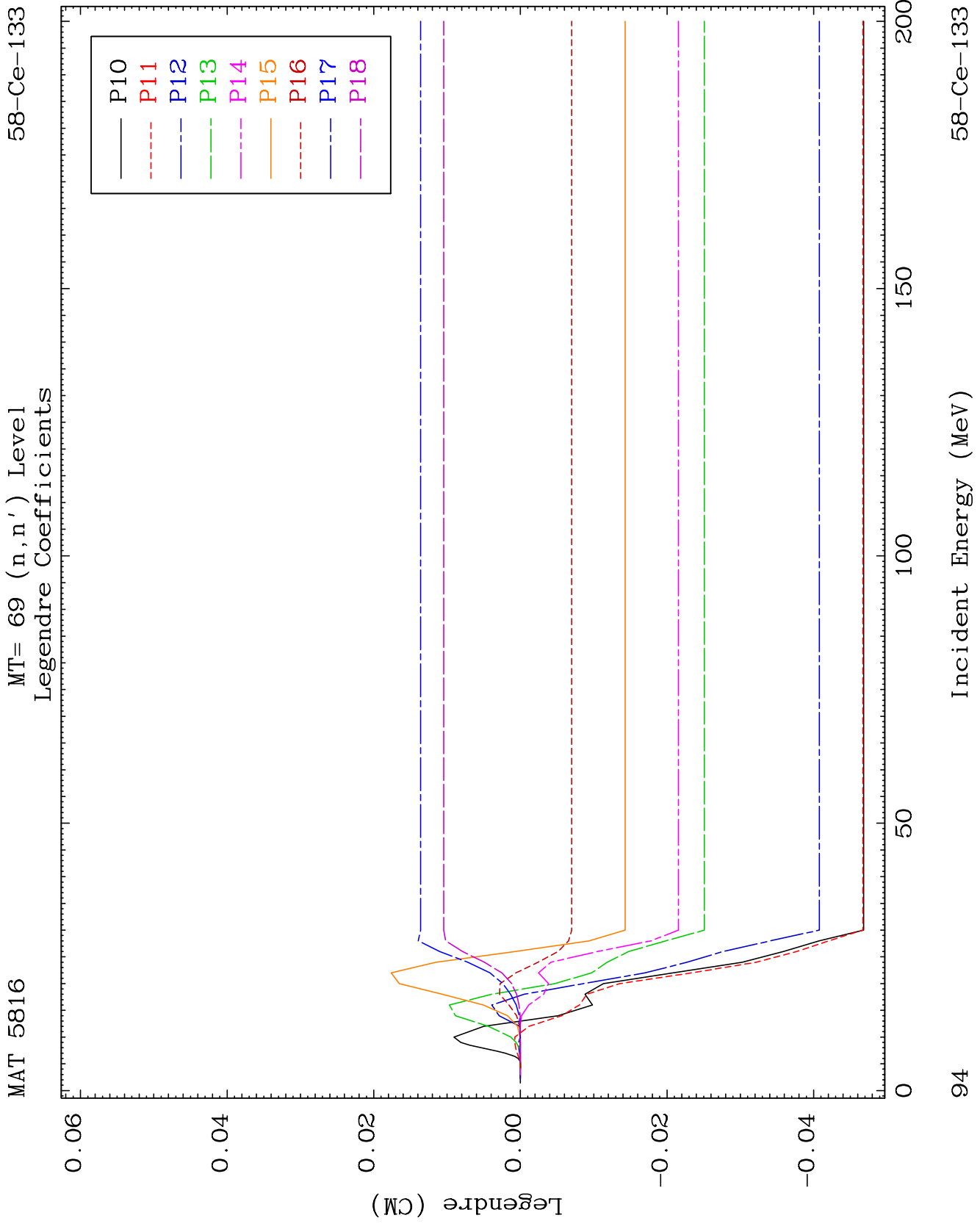
Legendre Coefficients



93

Incident Energy (MeV)

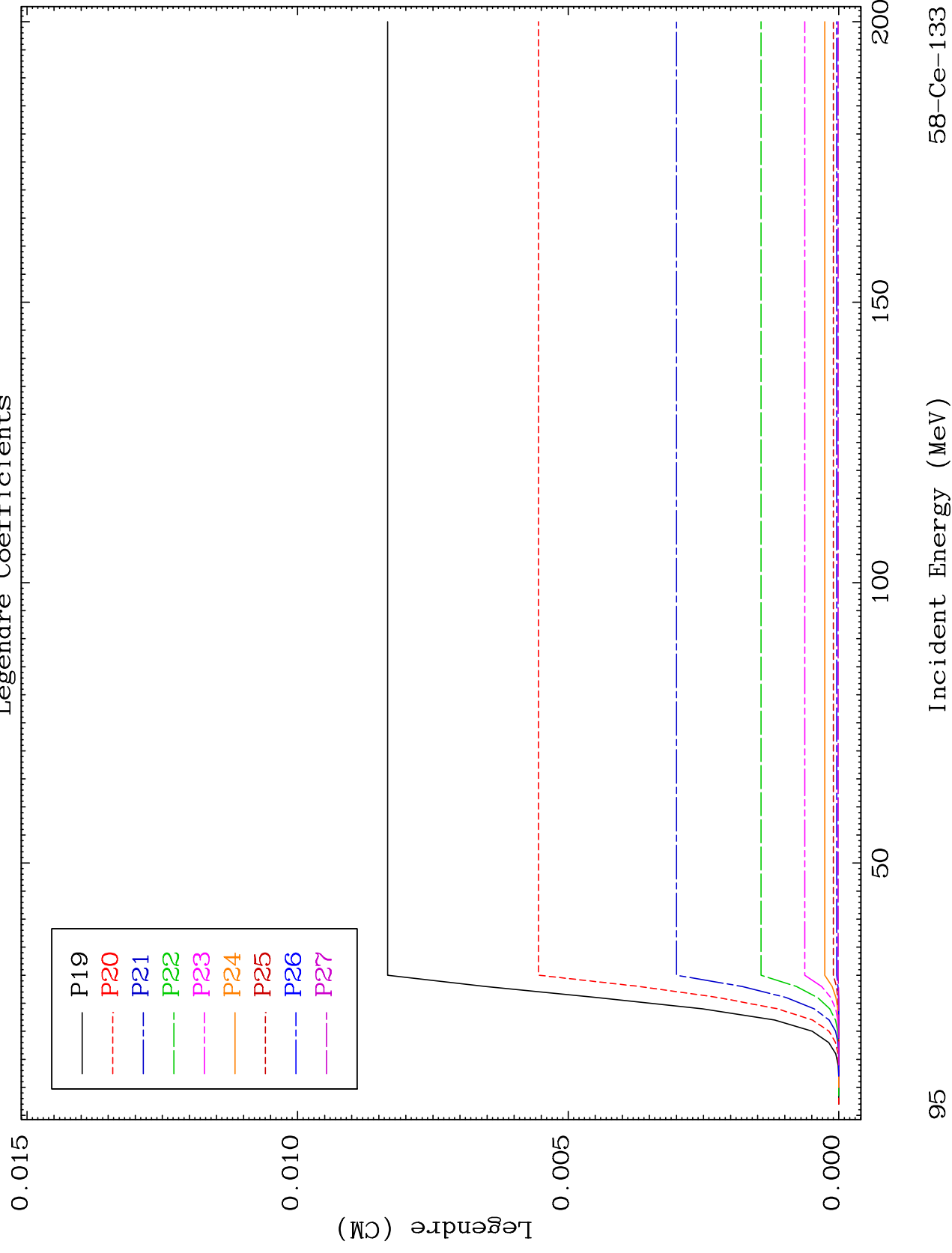
58-Ce-133



MAT 5816

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

58-Ce-133



95

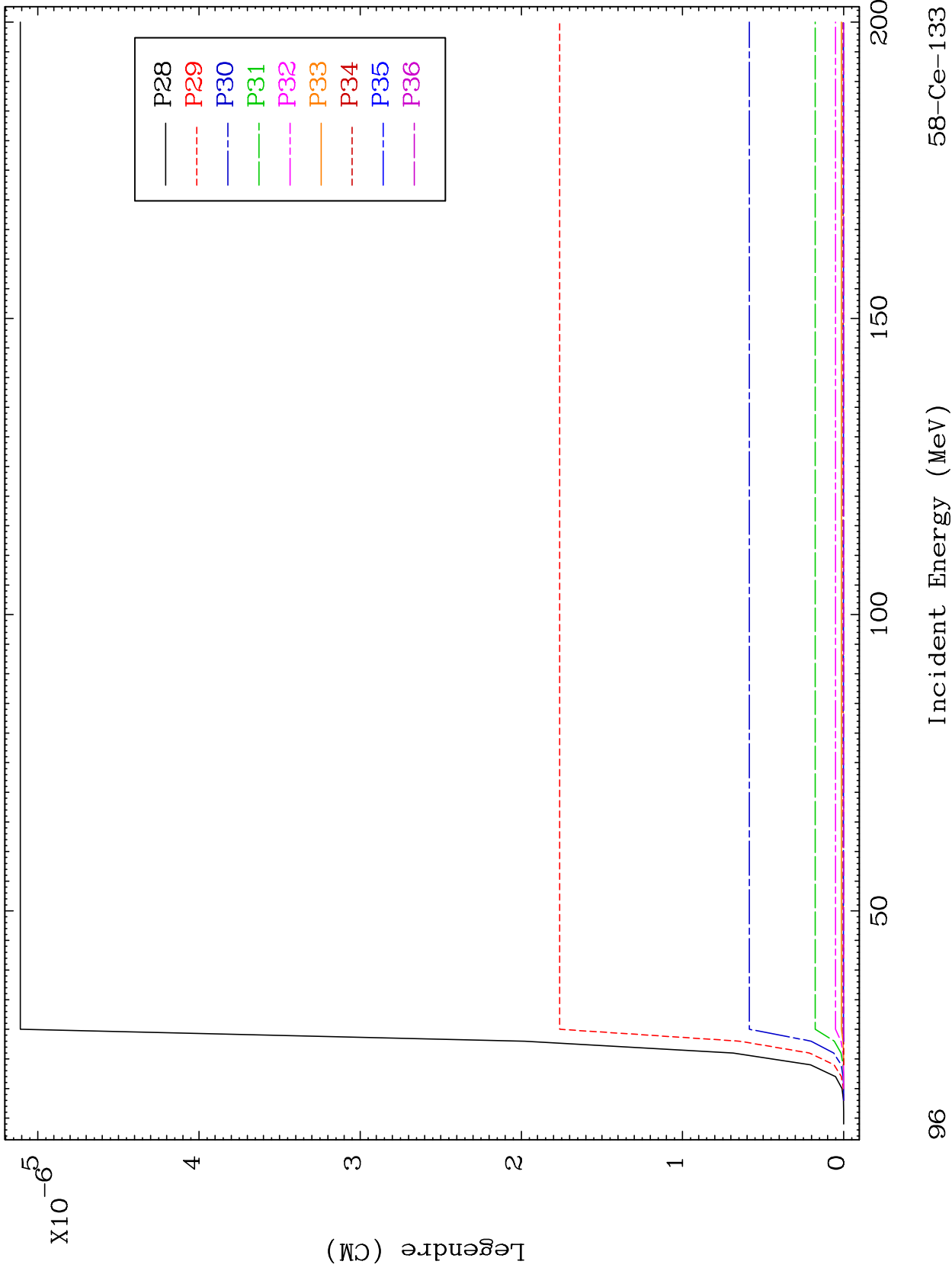
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

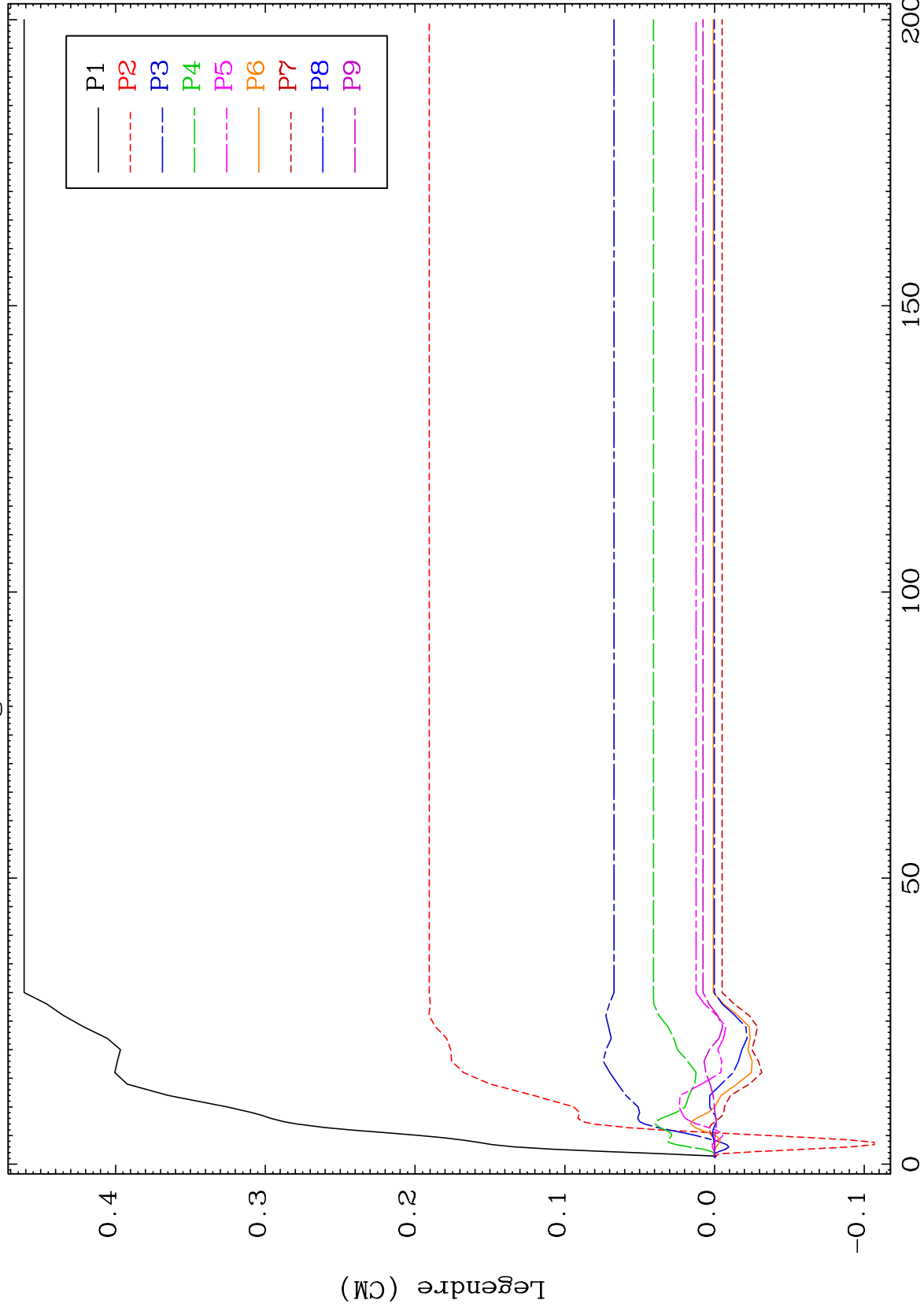
58-Ce-133



MAT 5816

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

58-Ce-133



97

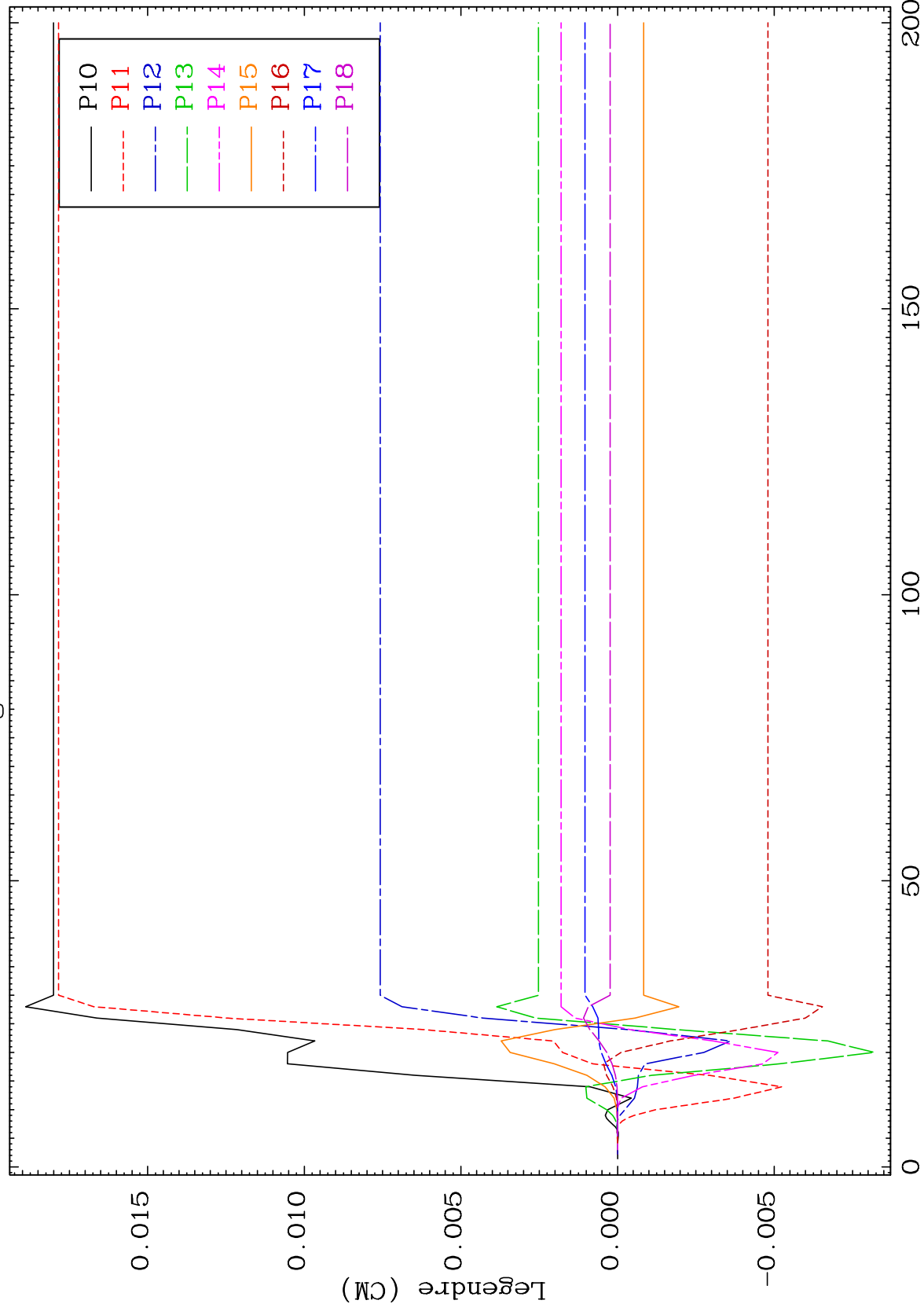
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

58-Ce-133



98

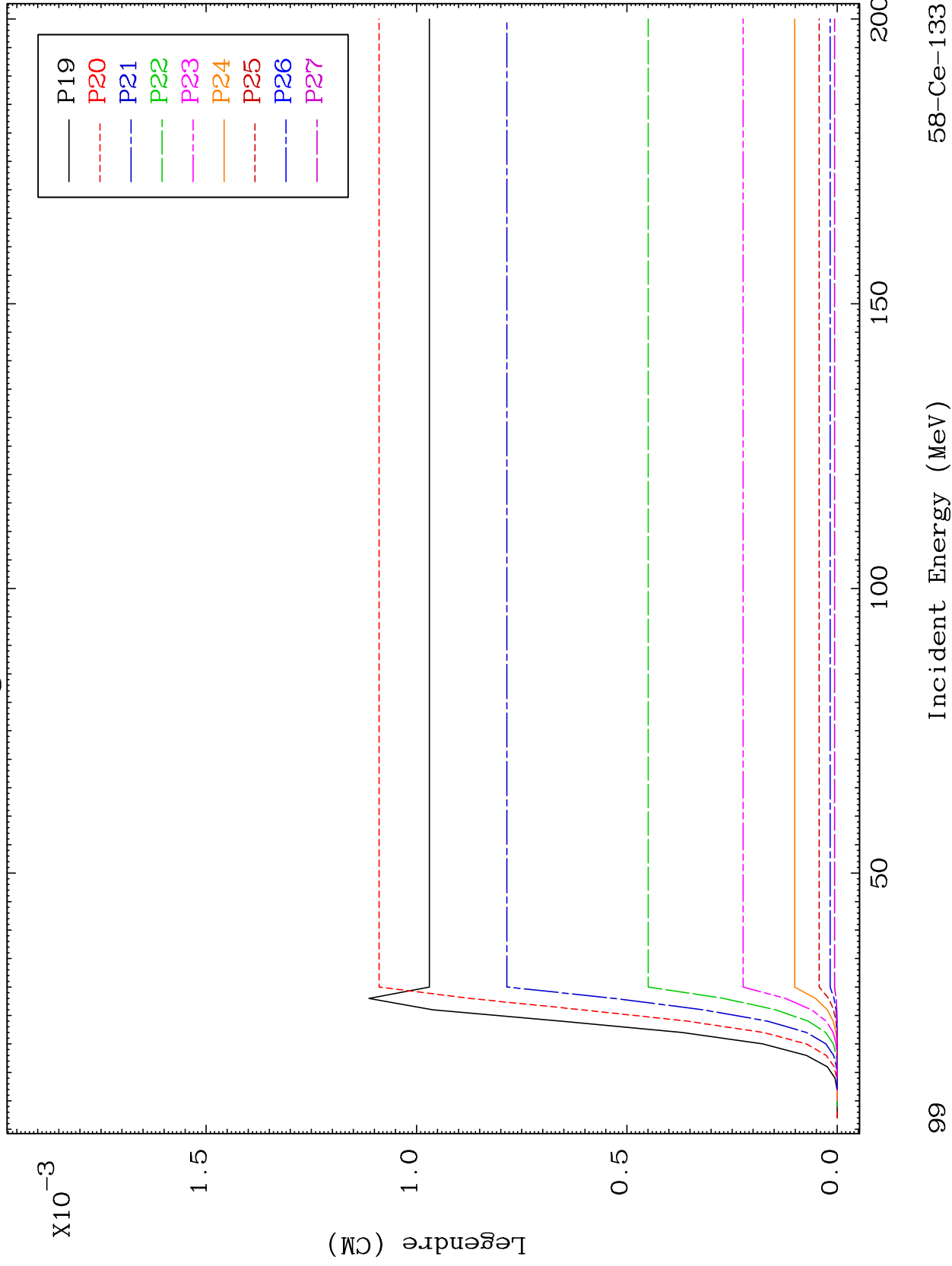
Incident Energy (MeV)

58-Ce-133

MAT 5816

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

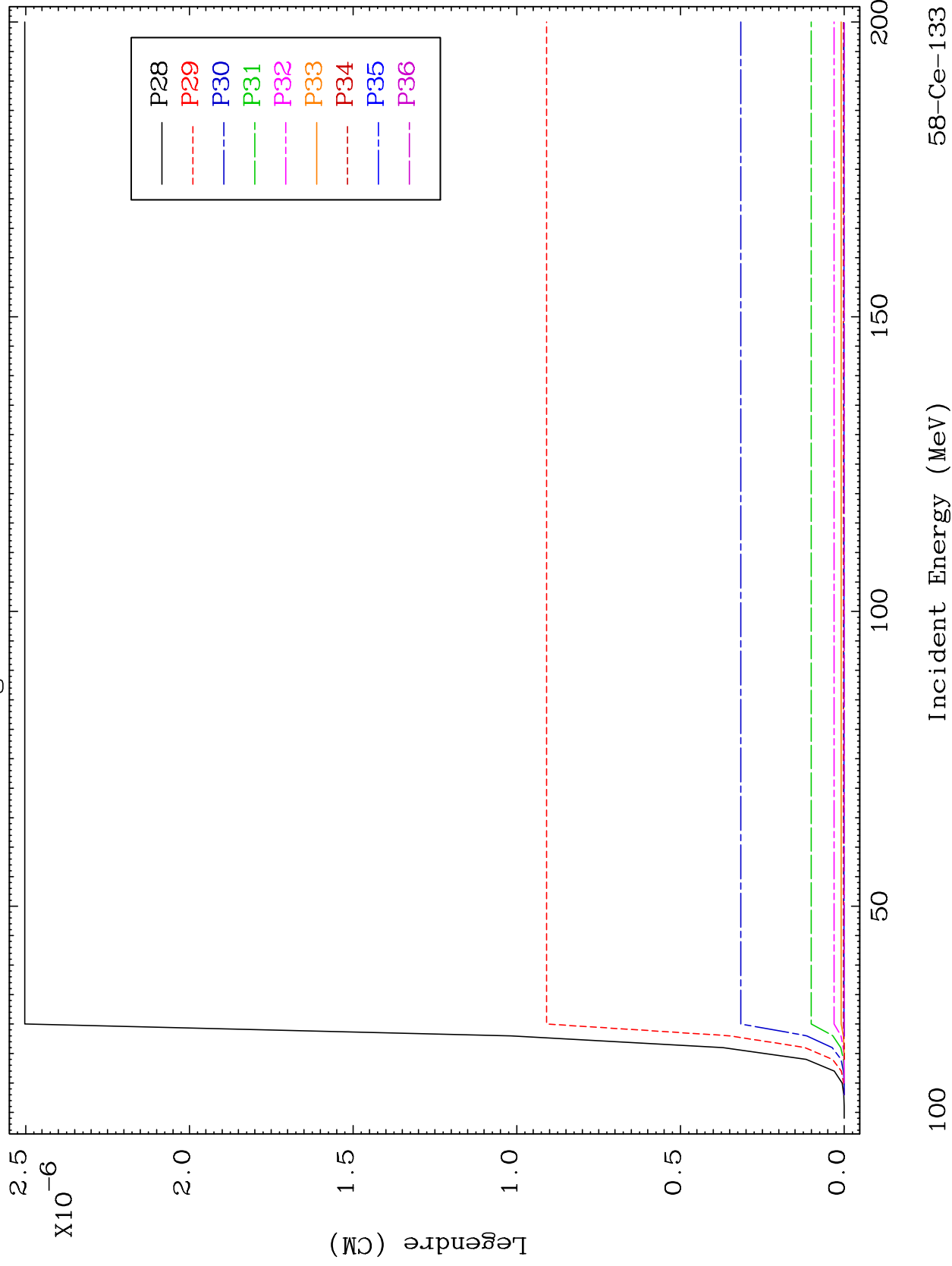
58-Ce-133



MAT 5816

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

58-Ce-133



58-Ce-133

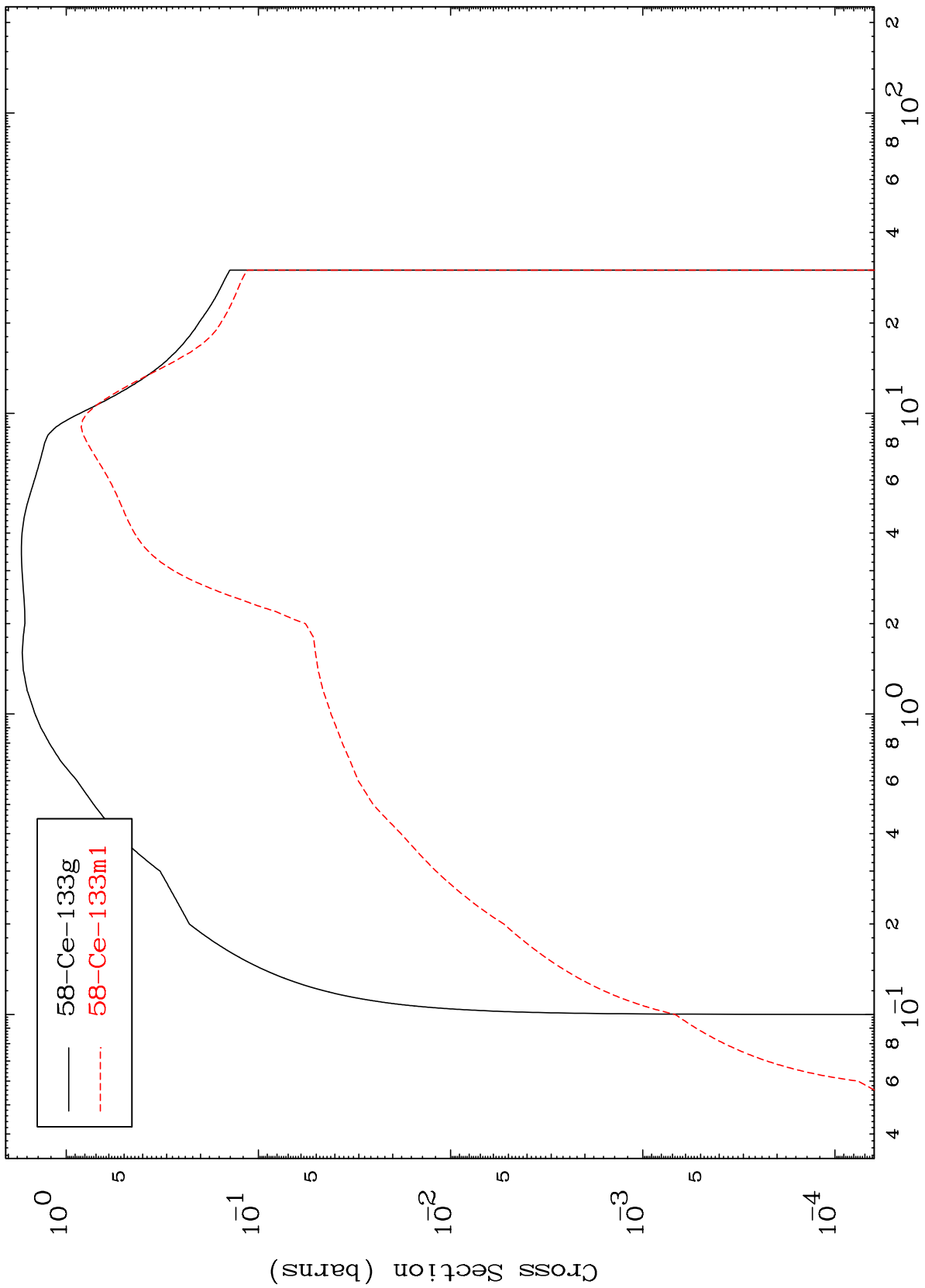
Incident Energy (MeV)

100

MAT 5816

58-Ce-133

Inelastic
Radionuclide Production Cross Section



— 58-Ce-133g
- - - 58-Ce-133m1

101

Incident Energy (MeV)

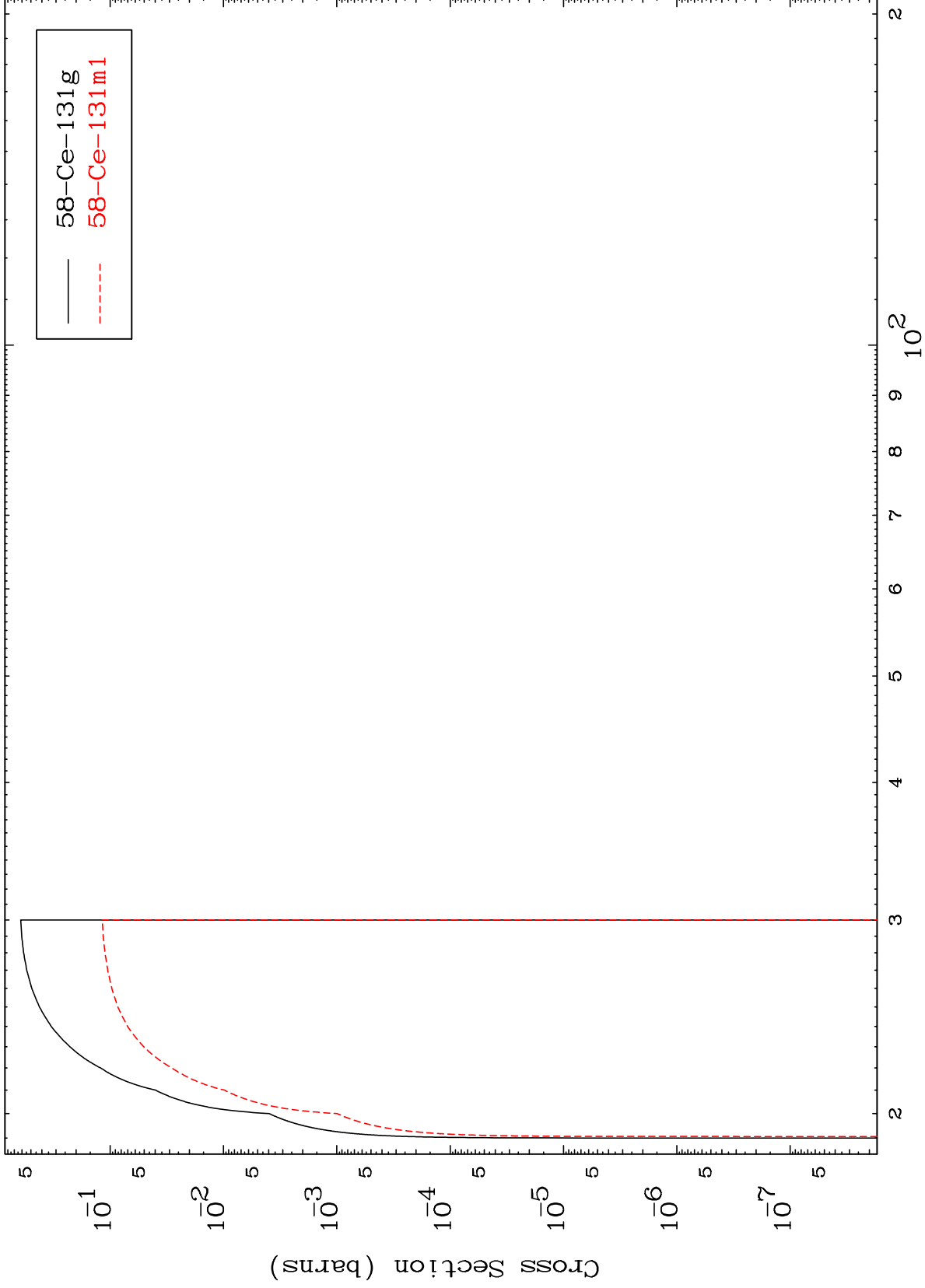
58-Ce-133

MAT 5816

(n,3n)

58-Ce-133

Radionuclide Production Cross Section



102

Incident Energy (MeV)

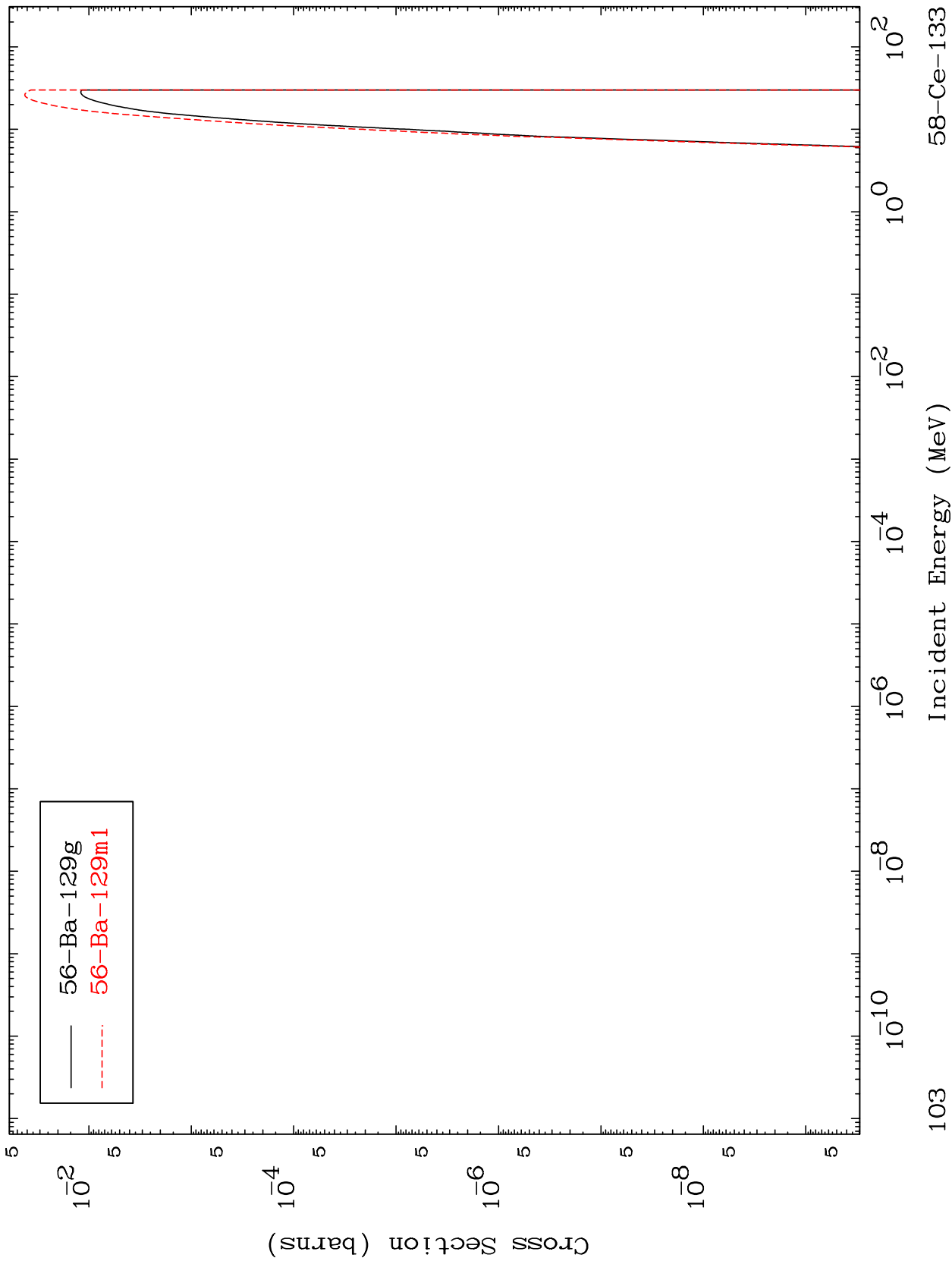
58-Ce-133

MAT 5816

(n, n') α

58-Ce-133

Radionuclide Production Cross Section



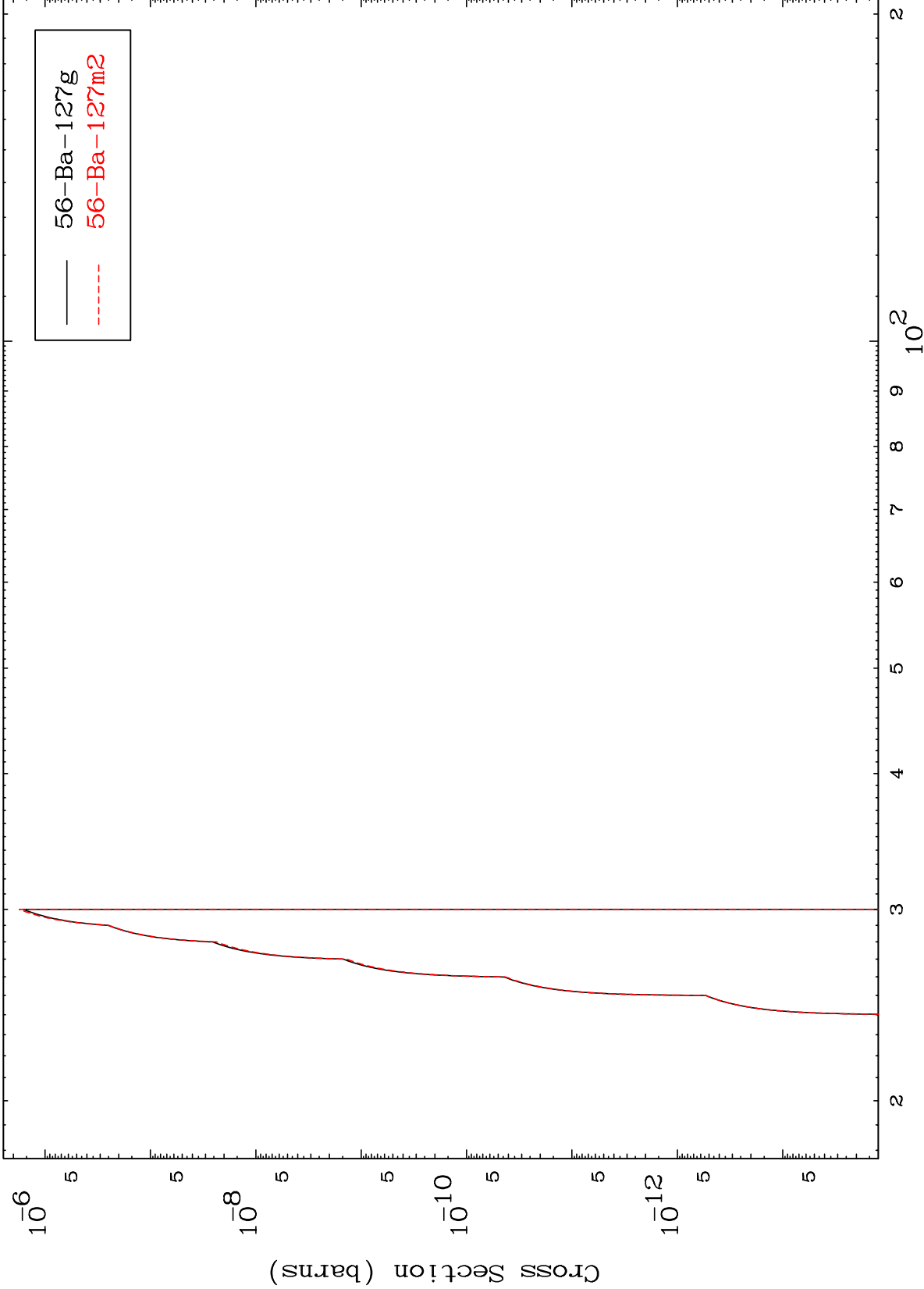
56-Ba-129g
56-Ba-129m1

MAT 5816

(n,3n) α

58-Ce-133

Radionuclide Production Cross Section



104

Incident Energy (MeV)

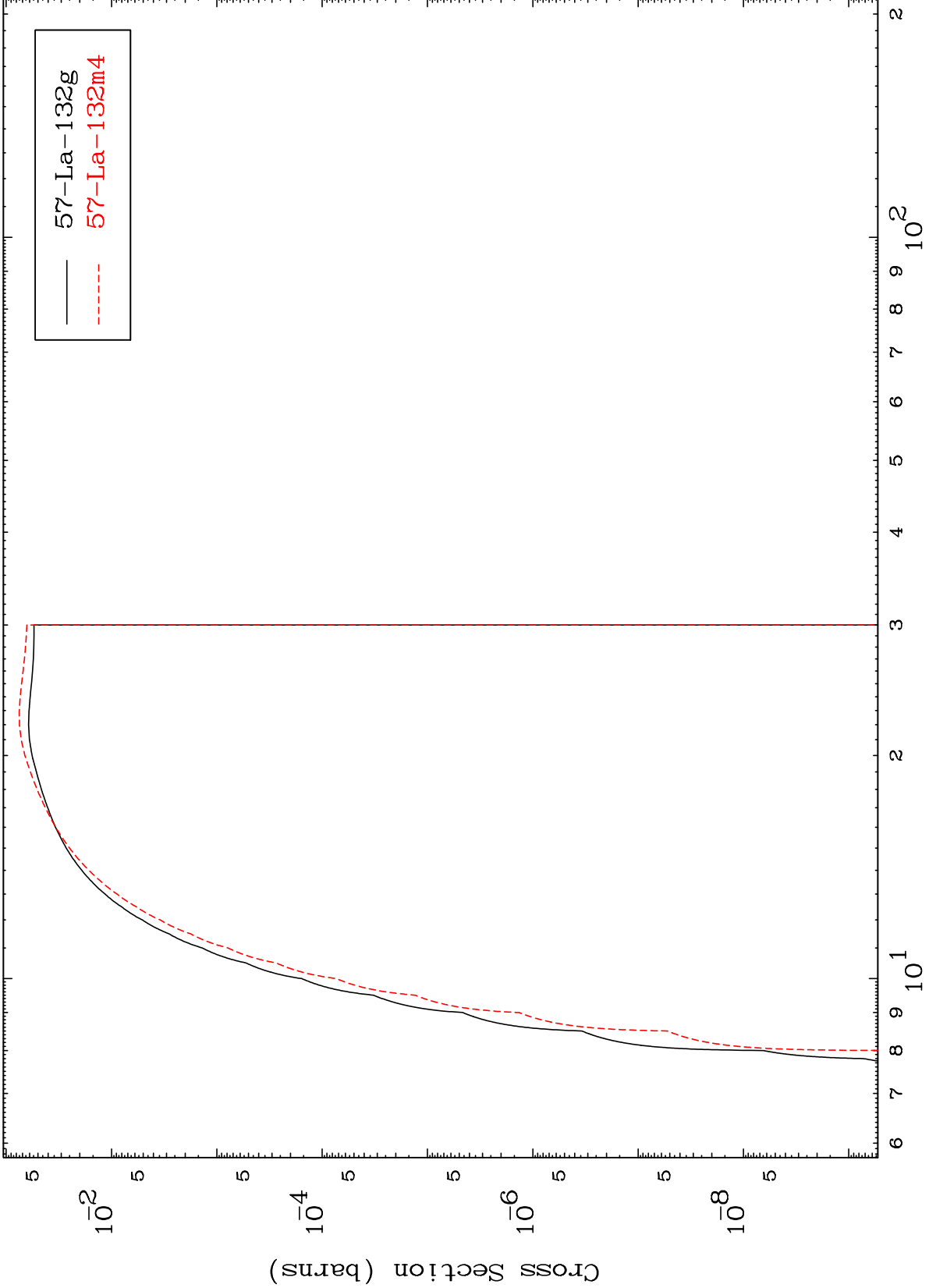
58-Ce-133

MAT 5816

(n,n') p

58-Ce-133

Radionuclide Production Cross Section



57-La-132g
57-La-132m4

105

Incident Energy (MeV)

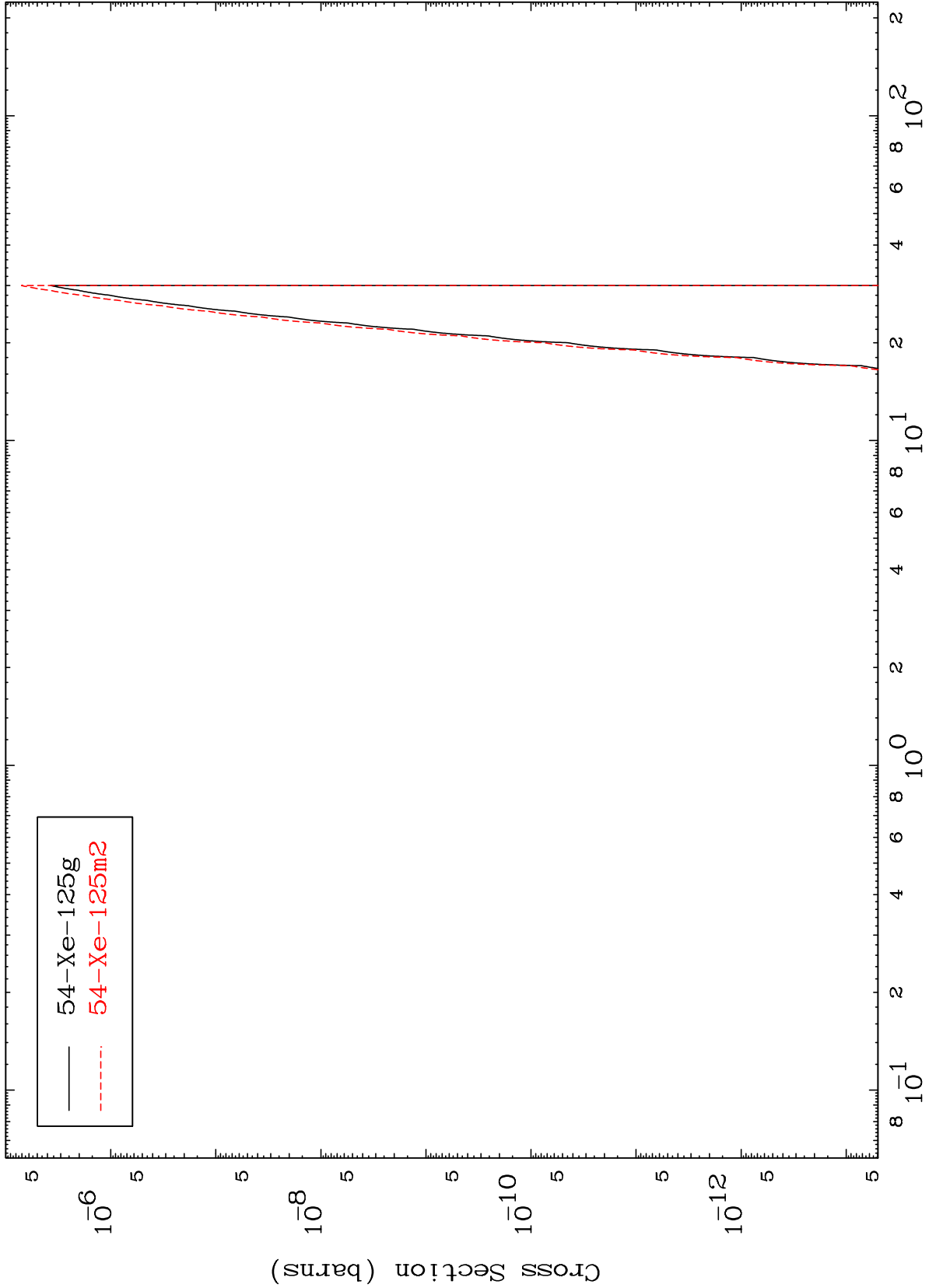
58-Ce-133

MAT 5816

(n,n') 2α

58-Ce-133

Radionuclide Production Cross Section



106

Incident Energy (MeV)

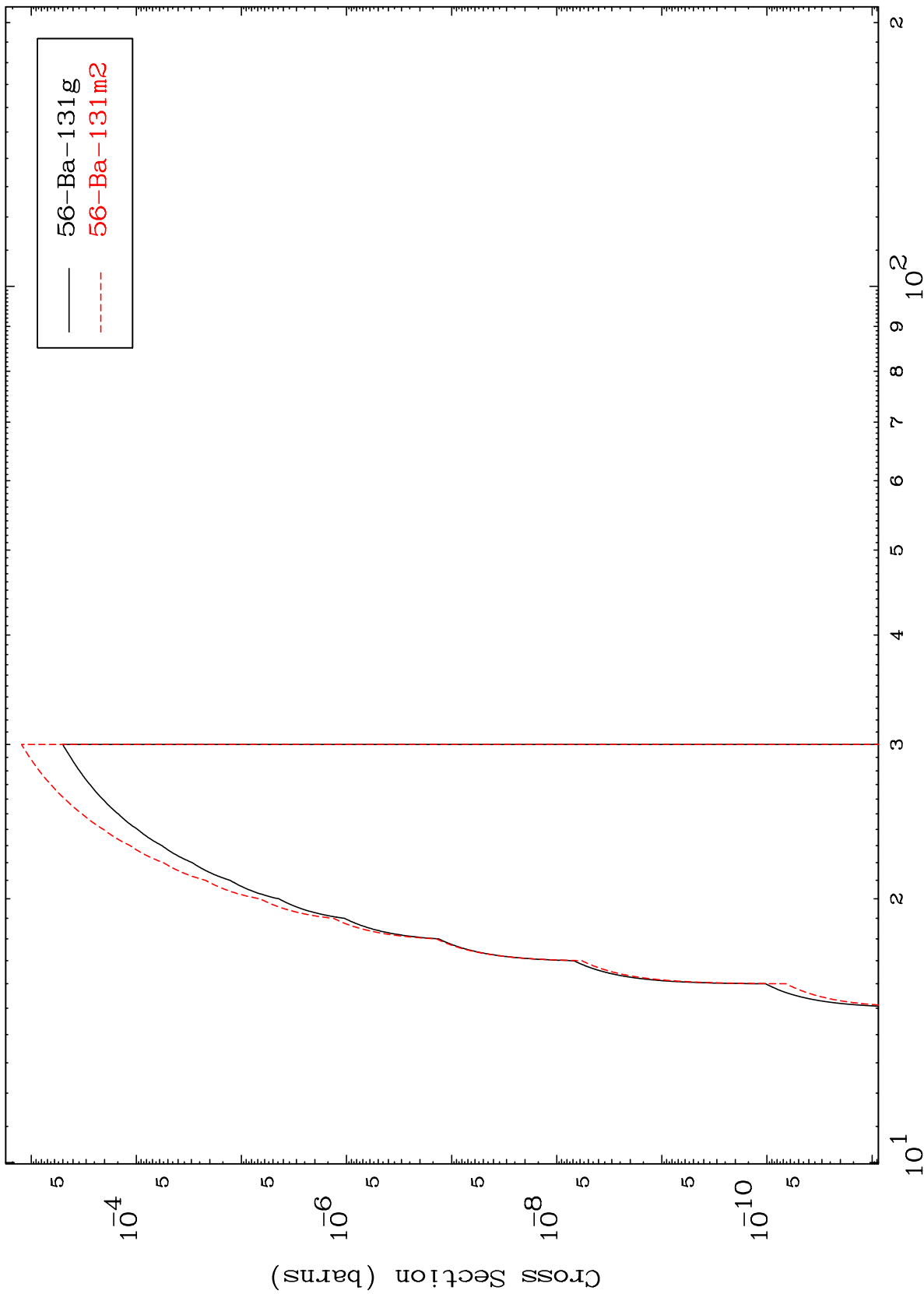
58-Ce-133

MAT 5816

(n,2n) p

58-Ce-133

Radionuclide Production Cross Section



10¹

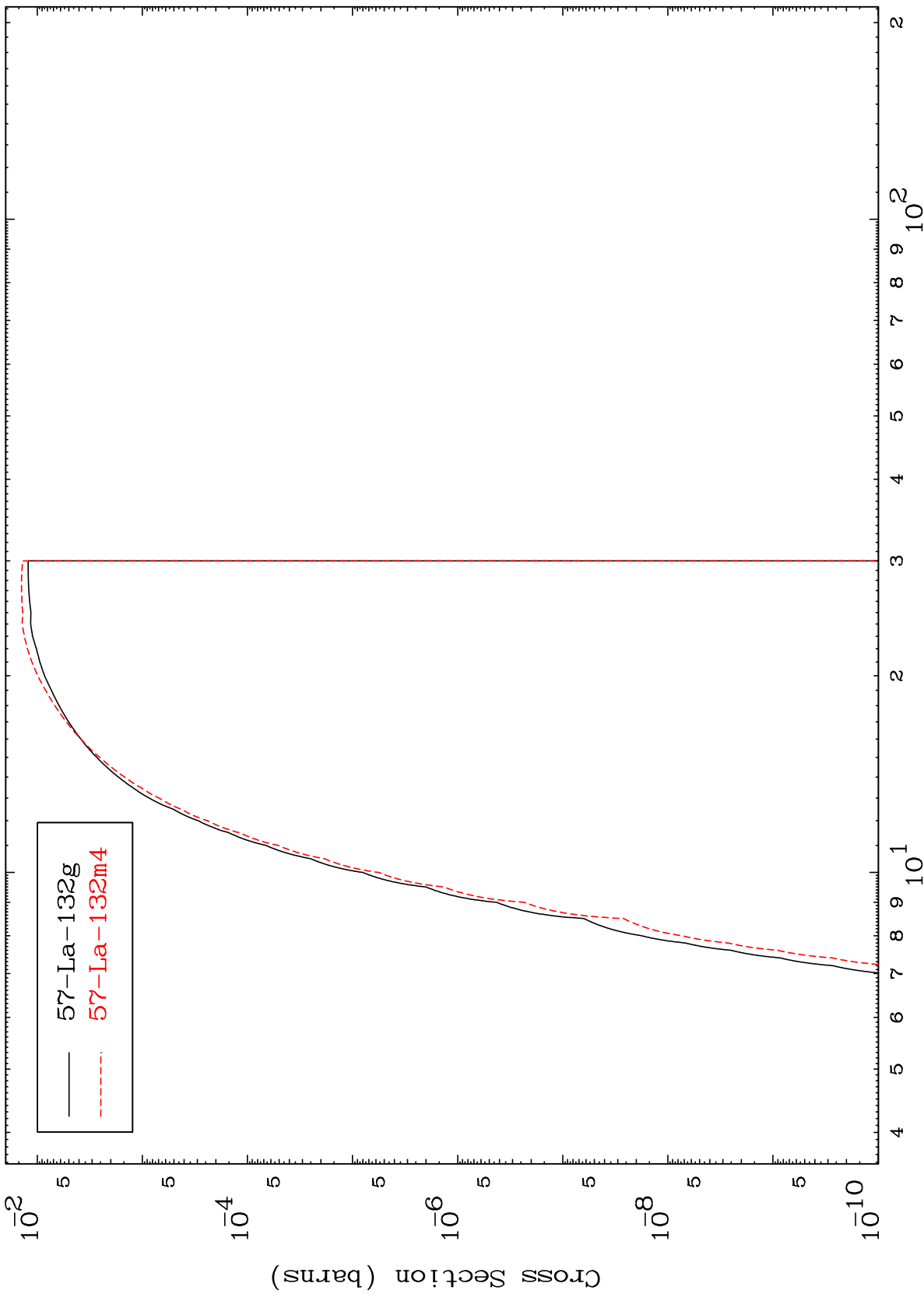
Incident Energy (MeV)

58-Ce-133

MAT 5816

58-Ce-133

(n,d)
Radionuclide Production Cross Section



— 57-La-132g
- - - 57-La-132m4

58-Ce-133

Incident Energy (MeV)

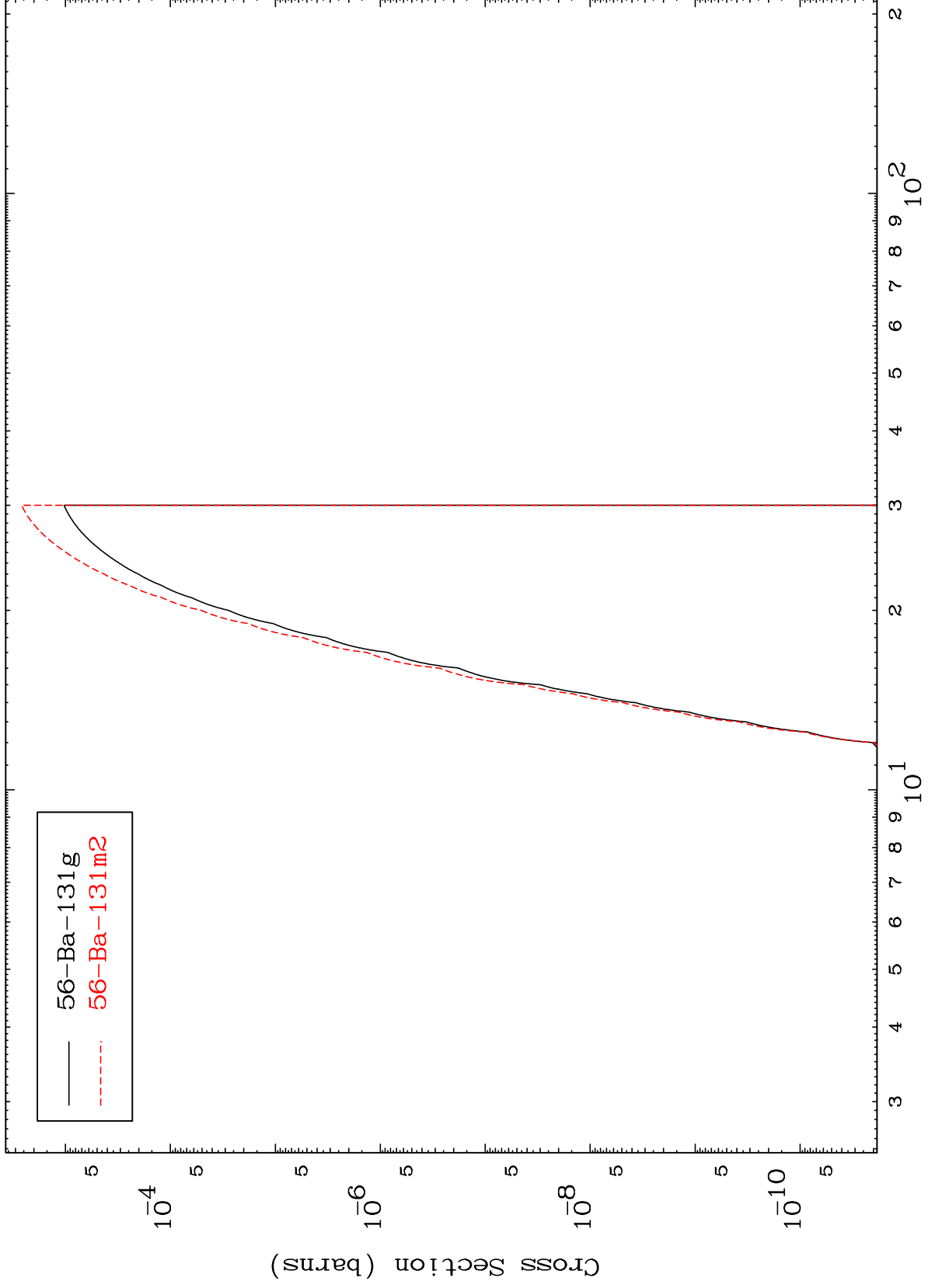
108

MAT 5816

(n,He-3)

58-Ce-133

Radionuclide Production Cross Section



109

Incident Energy (MeV)

58-Ce-133

MAT 5816

(n,p) d

58-Ce-133

