

Program EVALPLOT
(Version 2018-1)

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

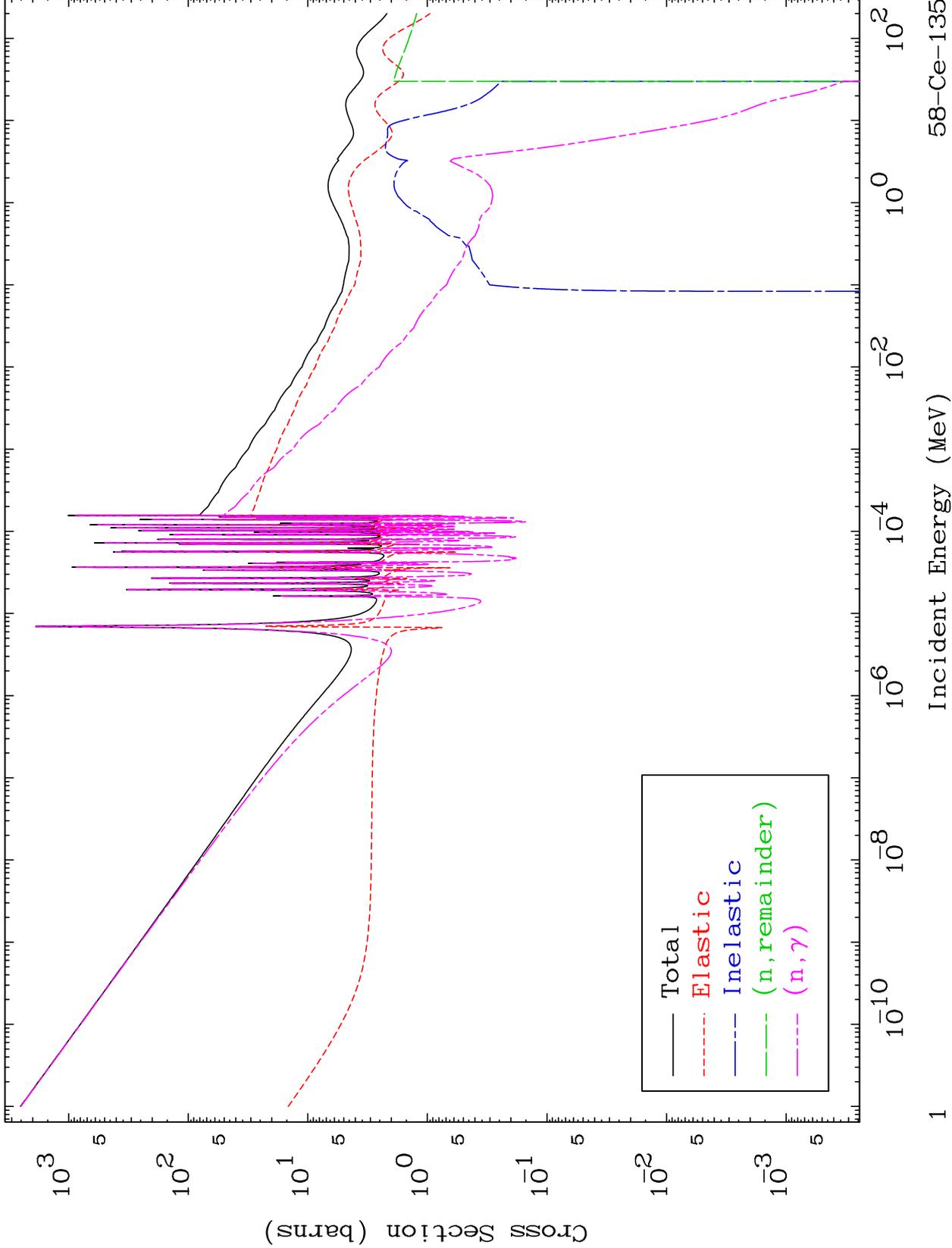
Press Mouse Button to Start

MAT 5822

Major

293 Kelvin Cross Sections

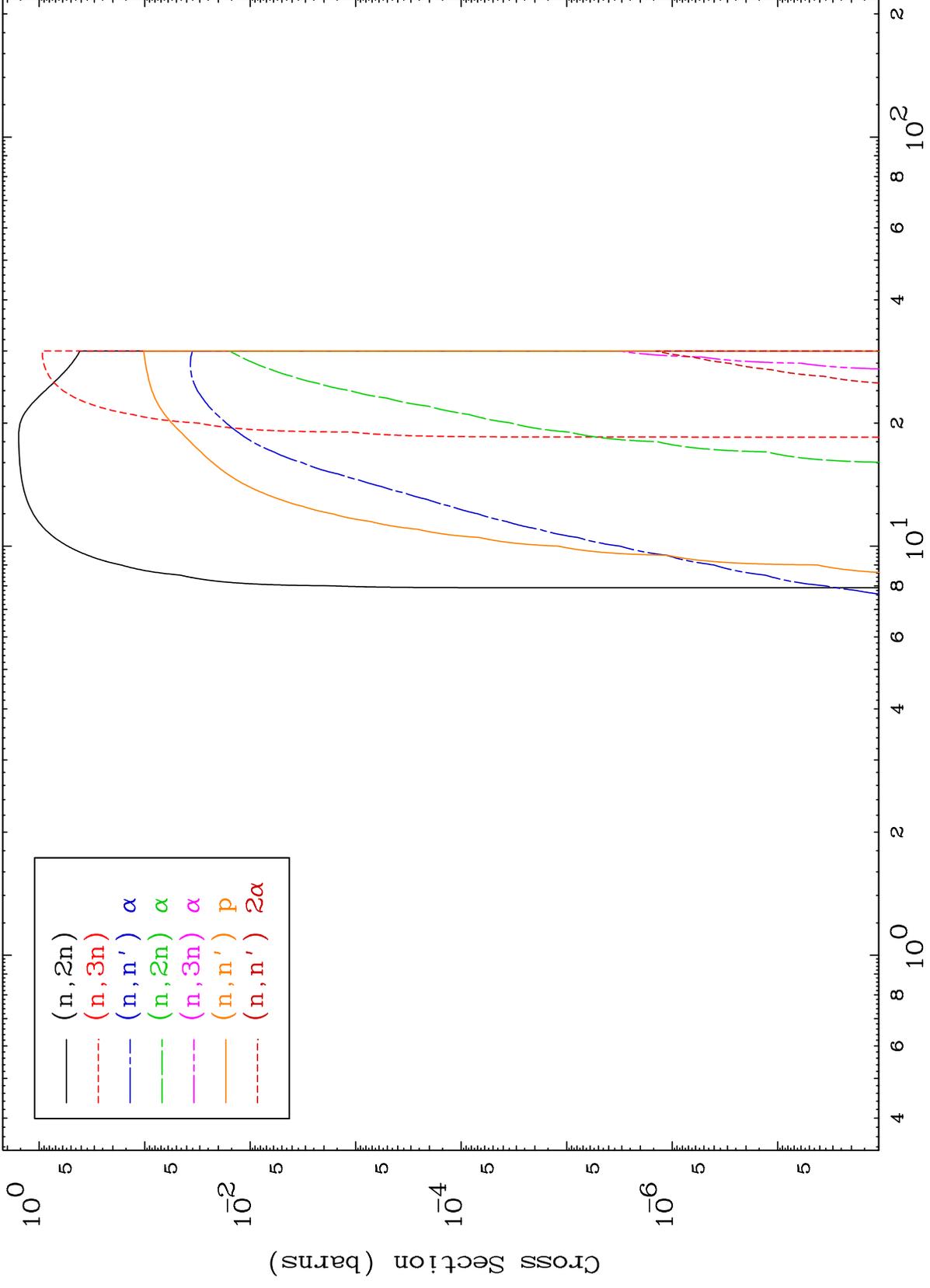
58-Ce-135



MAT 5822

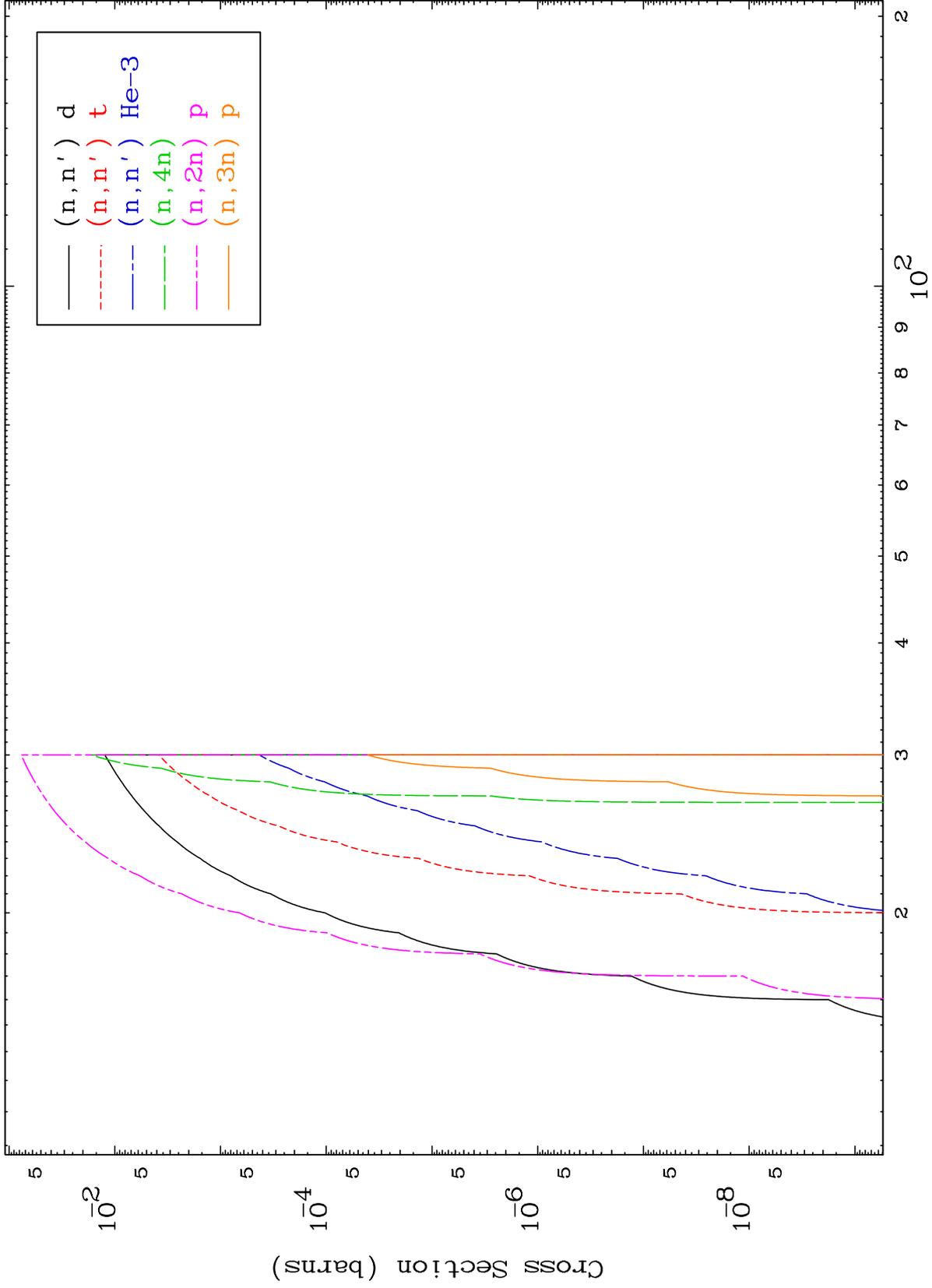
Neutron Production
293 Kelvin Cross Sections

58-Ce-135



Incident Energy (MeV)

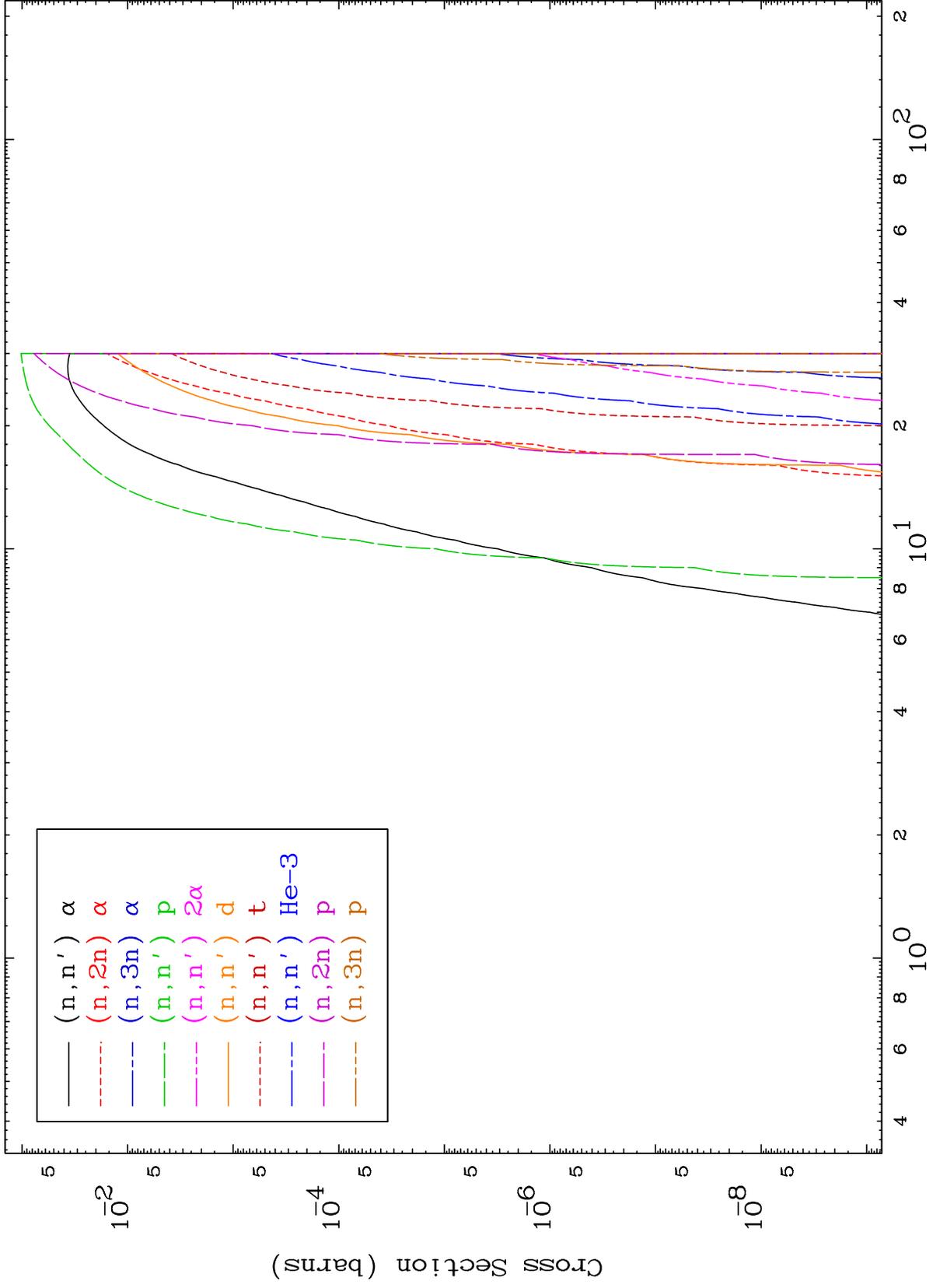
58-Ce-135



MAT 58222

Charged Particle
293 Kelvin Cross Sections

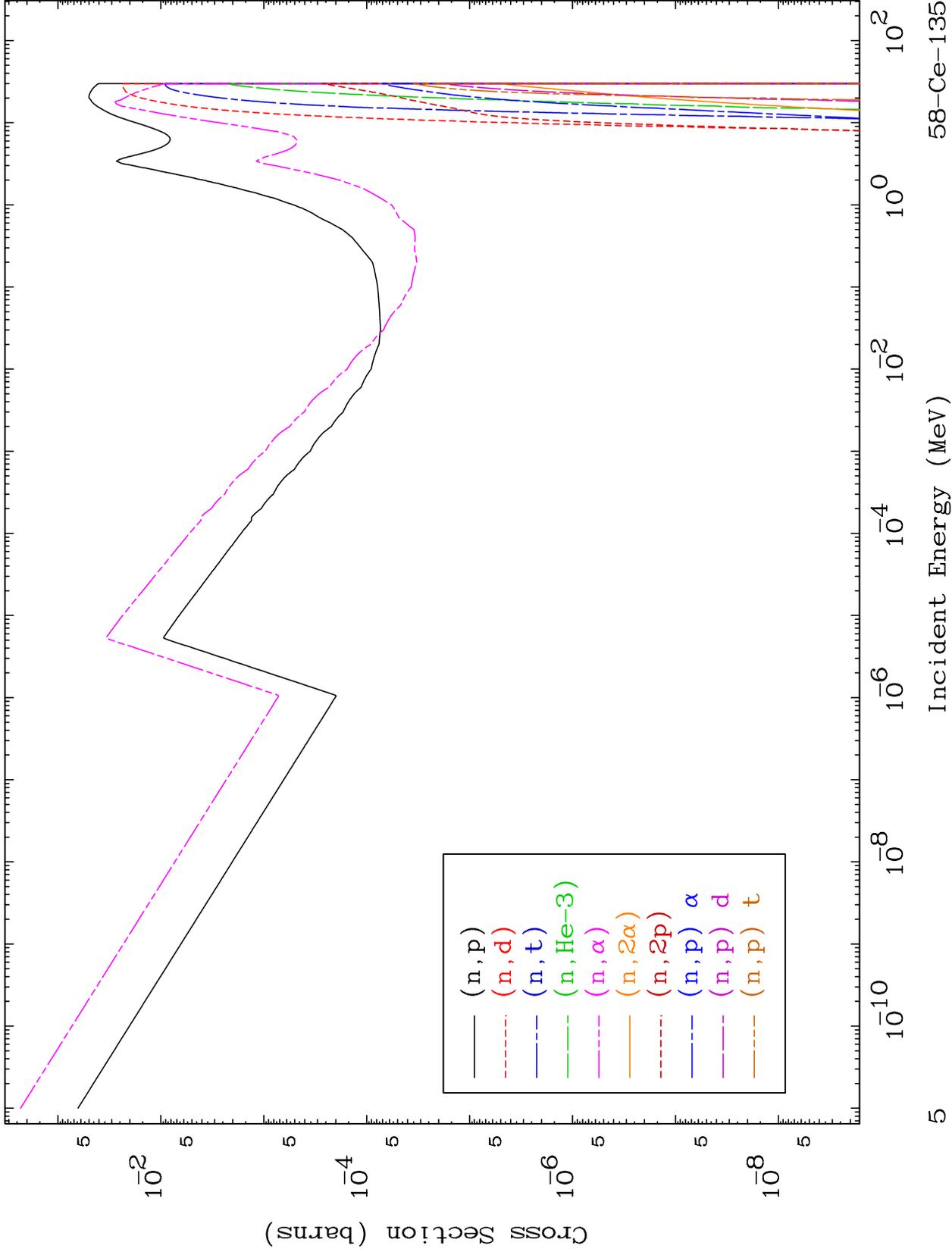
58-Ce-135



MAT 58222

Charged Particle
293 Kelvin Cross Sections

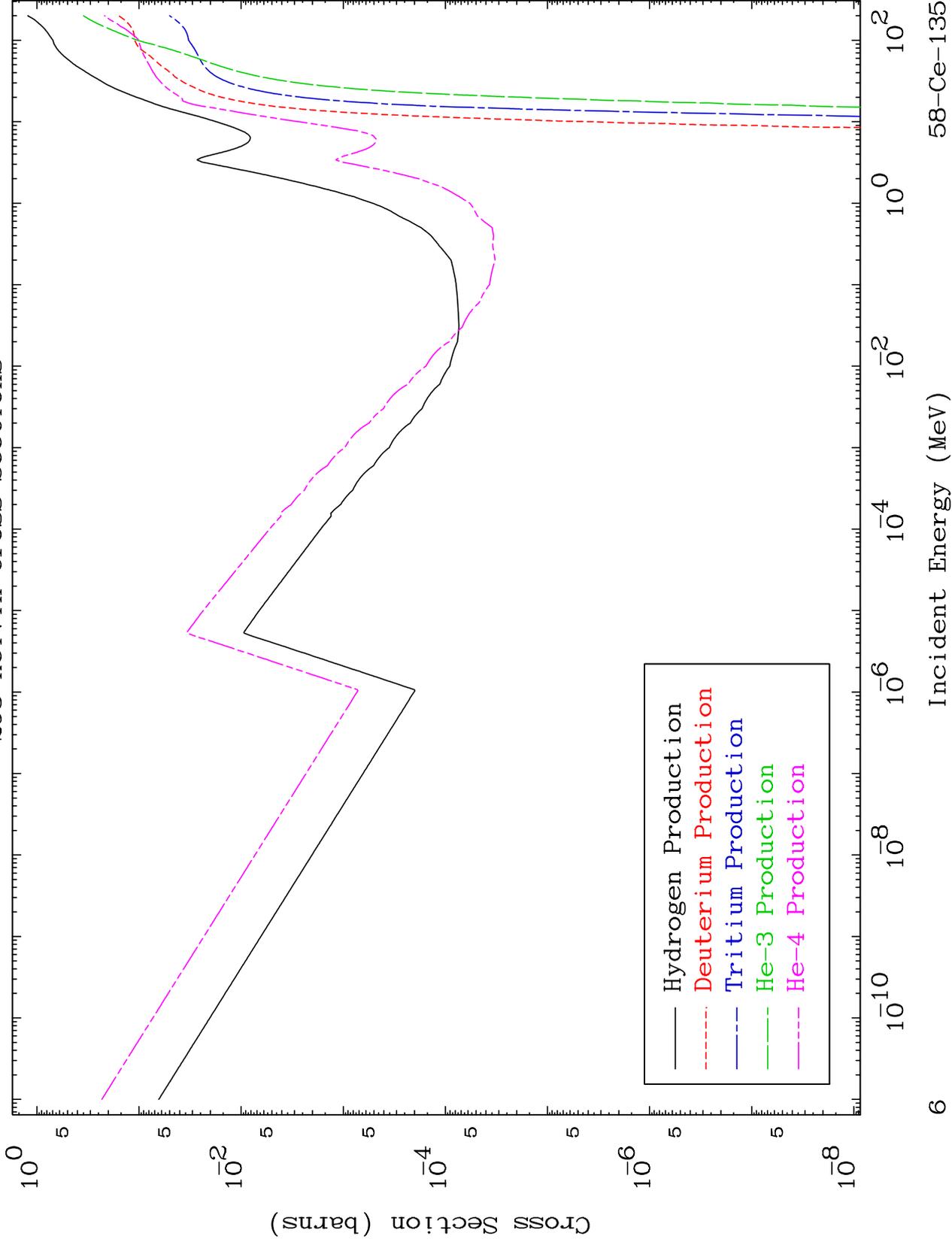
58-Ce-135



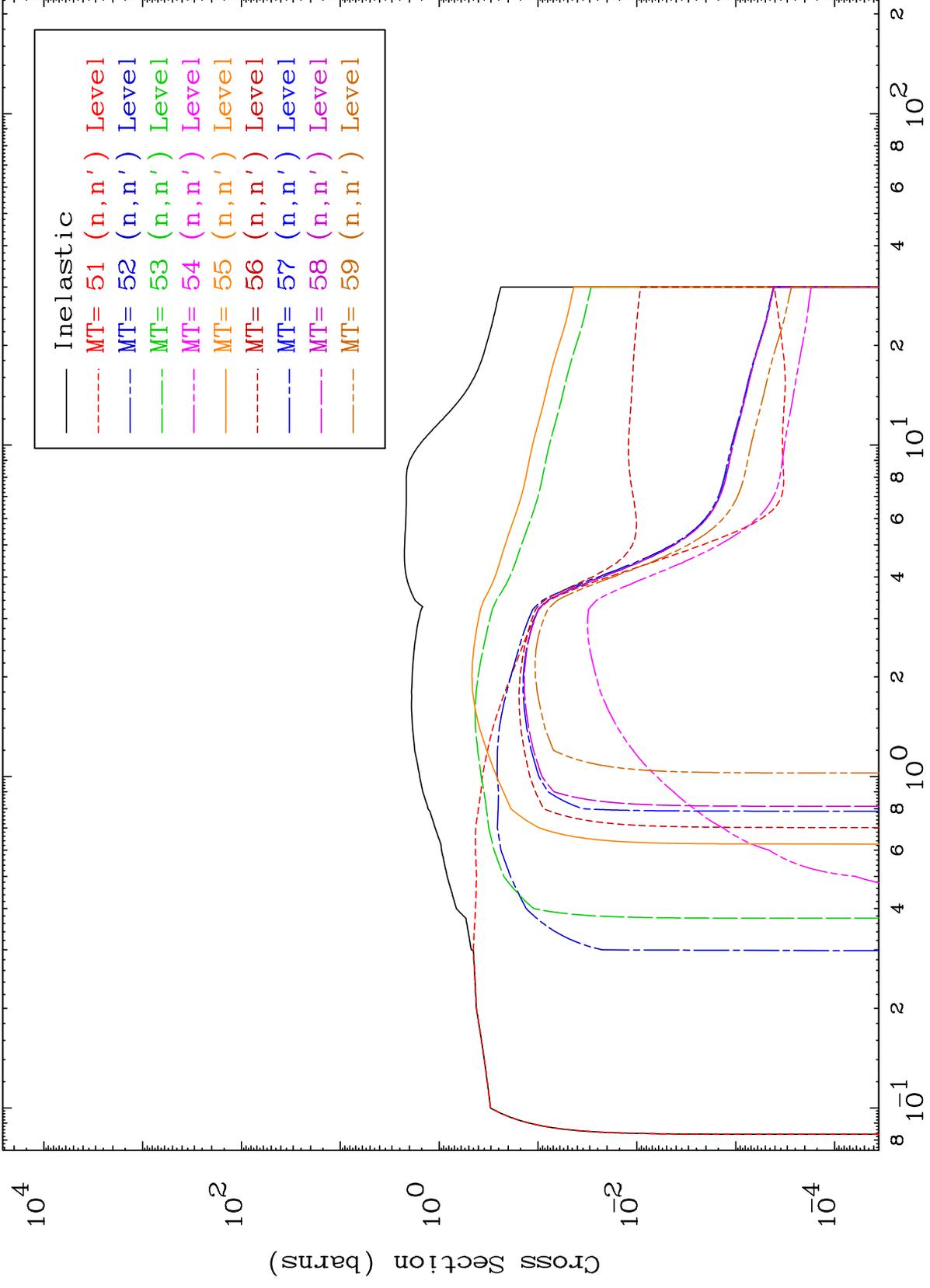
MAT 5822

Particle Production
293 Kelvin Cross Sections

58-Ce-135



293 Kelvin Cross Sections

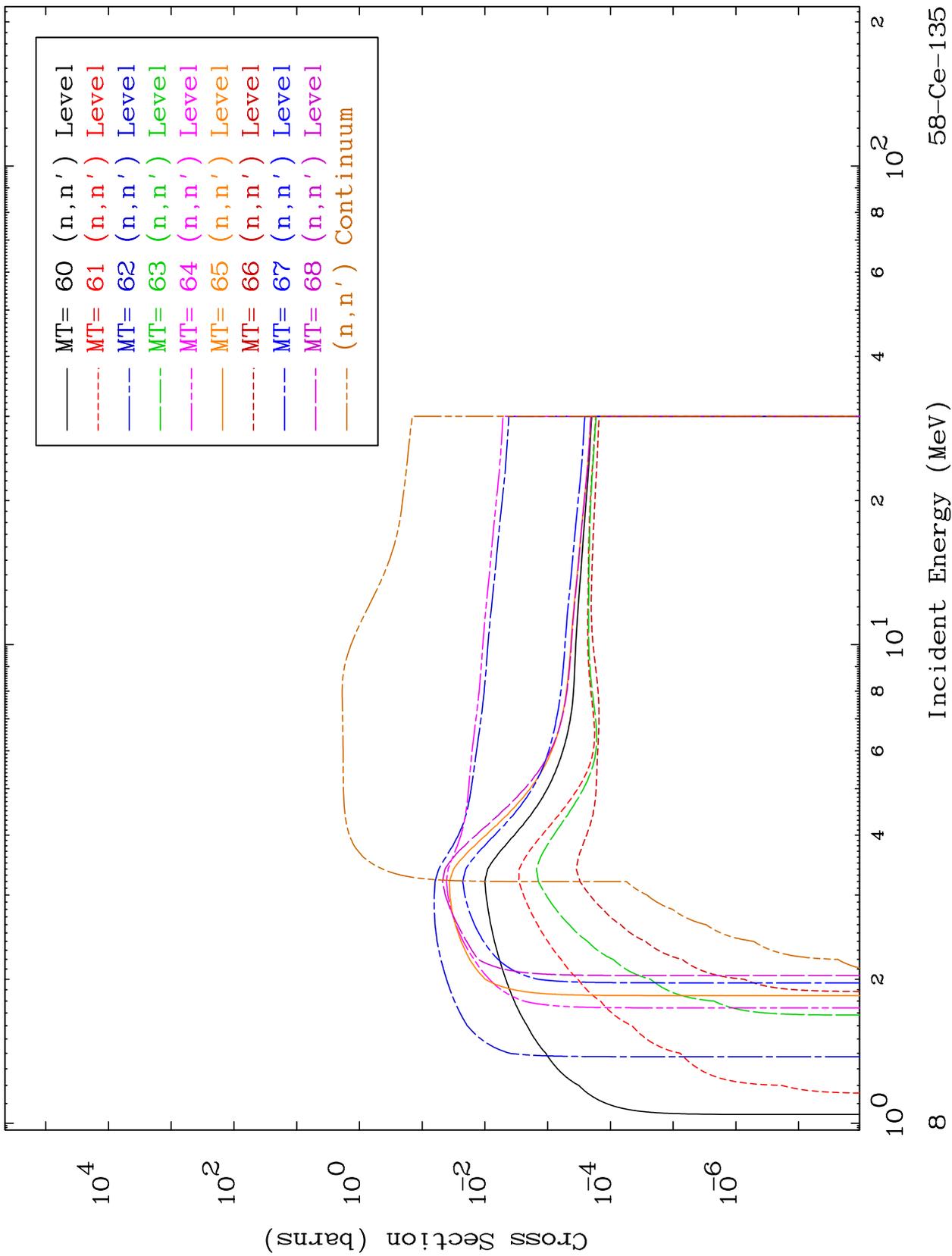


MAT 5822

(n,n') Level

58-Ce-135

293 Kelvin Cross Sections



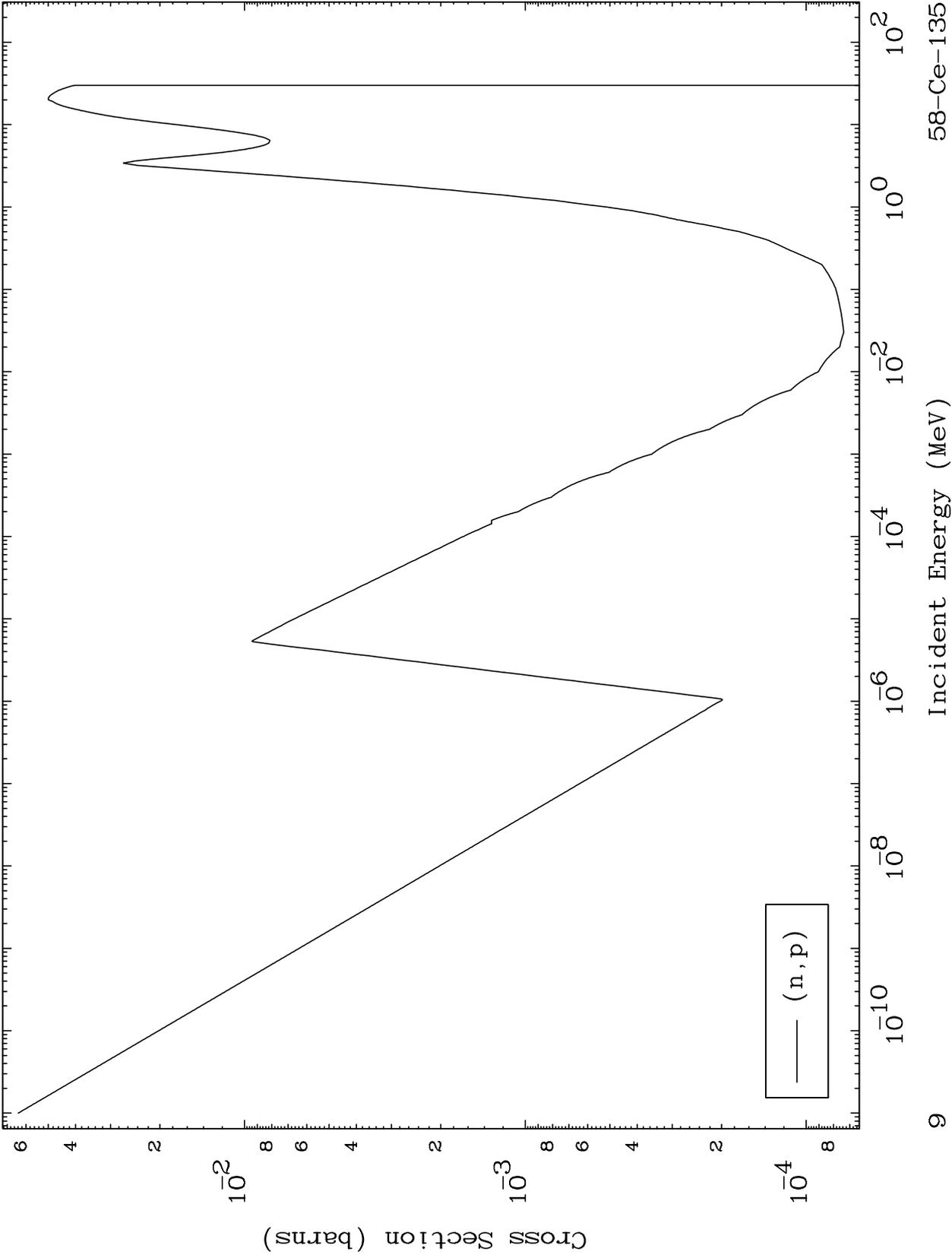
Incident Energy (MeV)

58-Ce-135

MAT 5822

(n,p) Levels
293 Kelvin Cross Sections

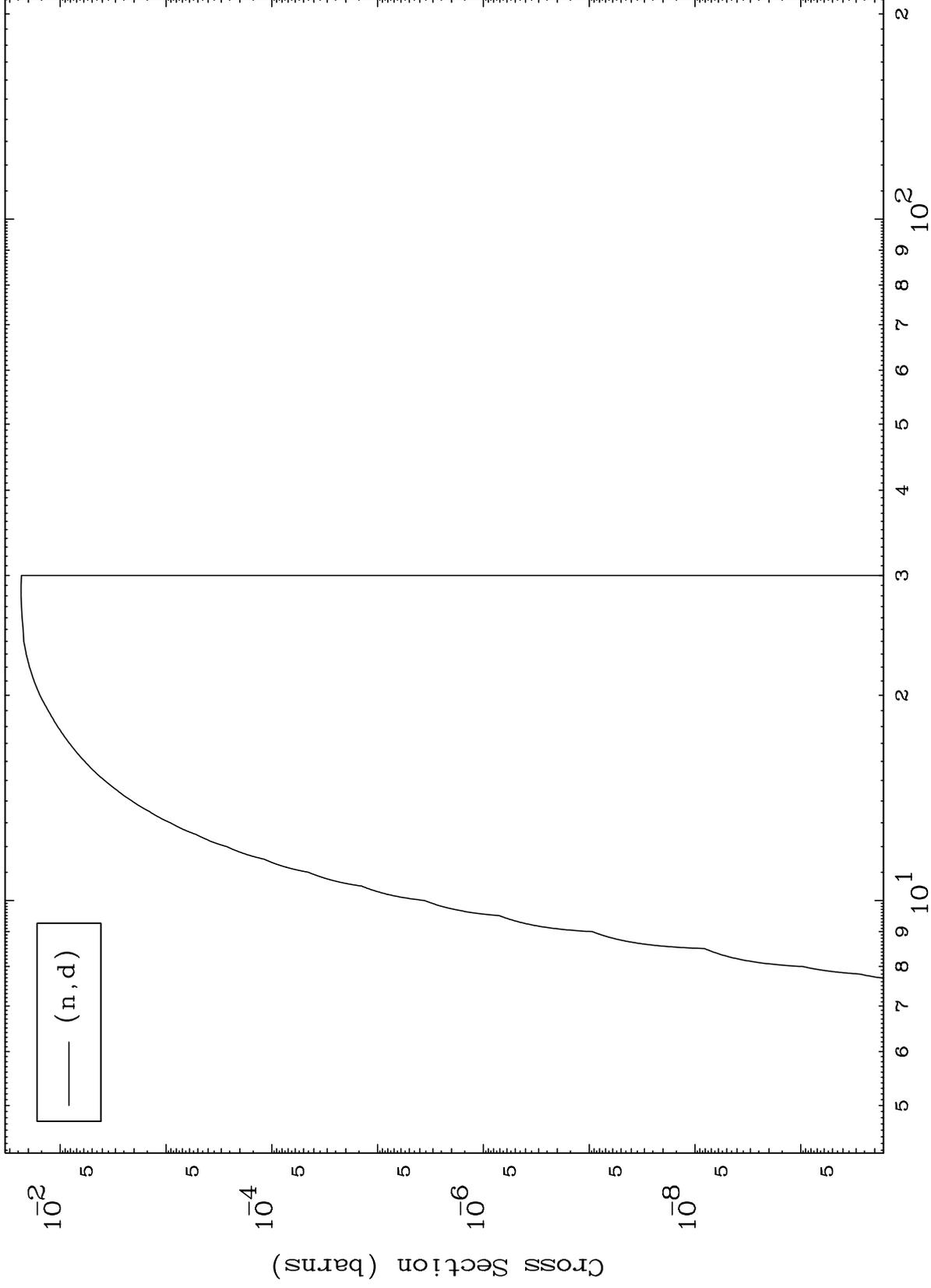
58-Ce-135



MAT 58222

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-135



10

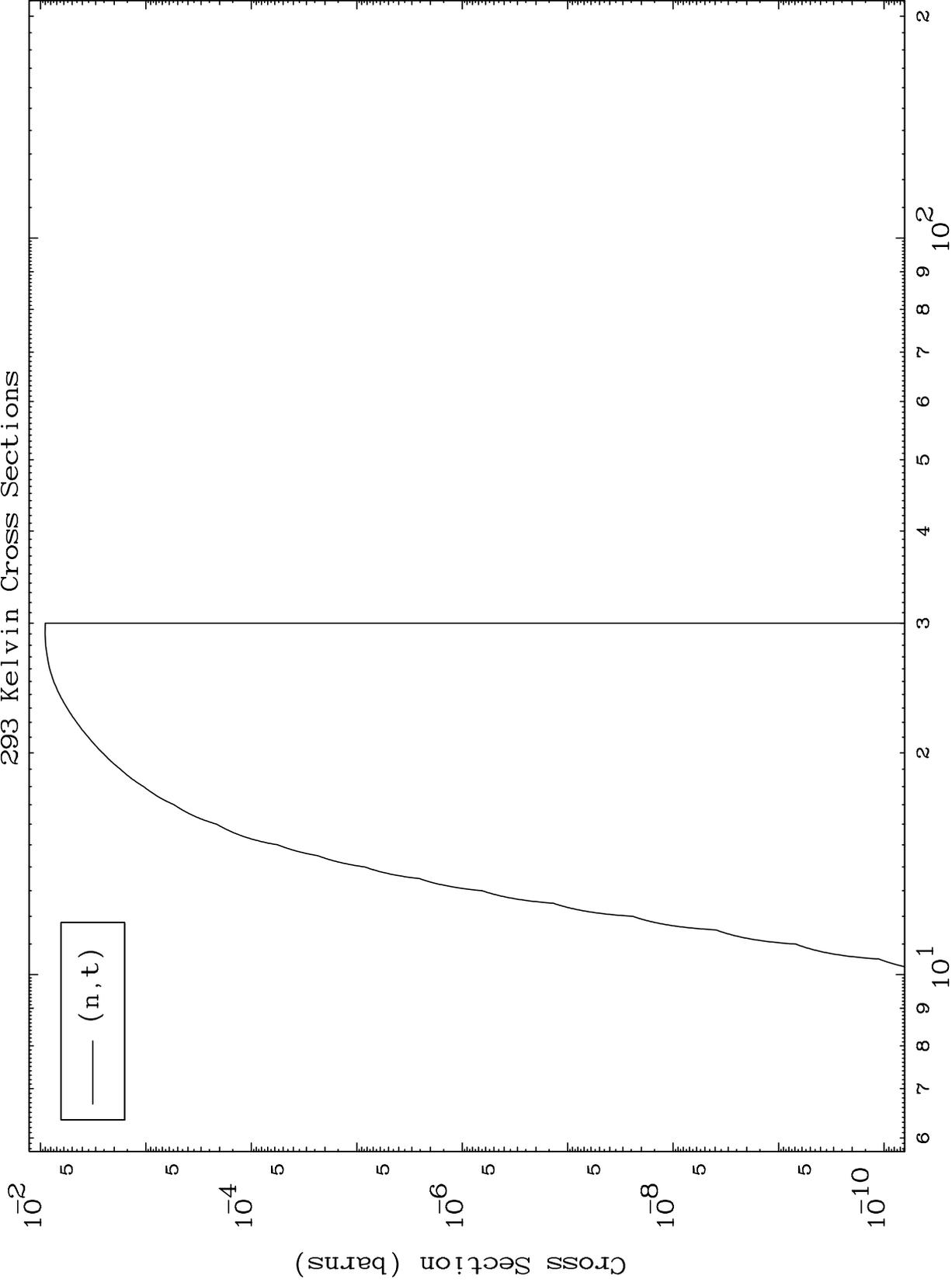
Incident Energy (MeV)

58-Ce-135

MAT 5822

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-135



11

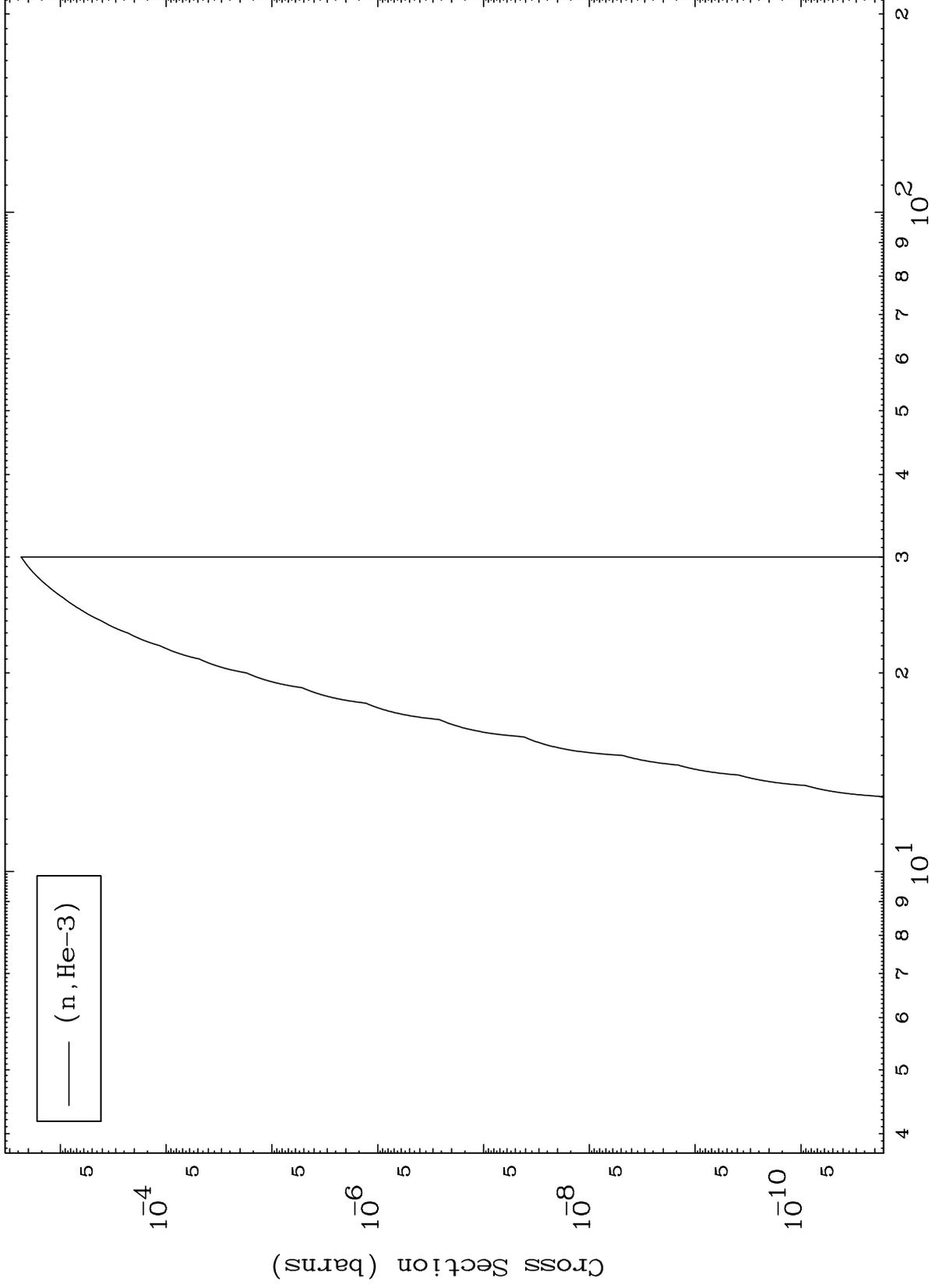
Incident Energy (MeV)

58-Ce-135

MAT 58222

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-135



12

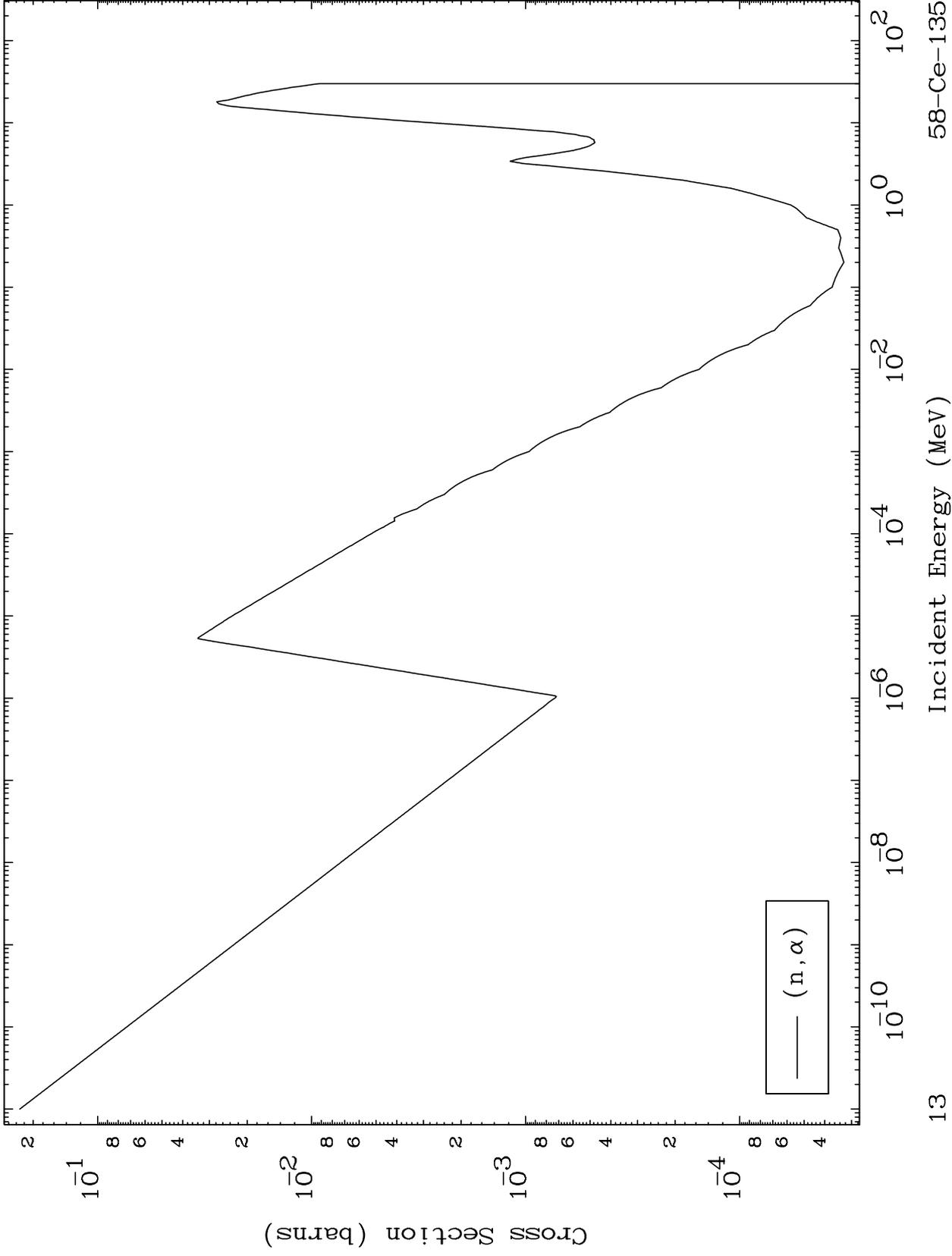
Incident Energy (MeV)

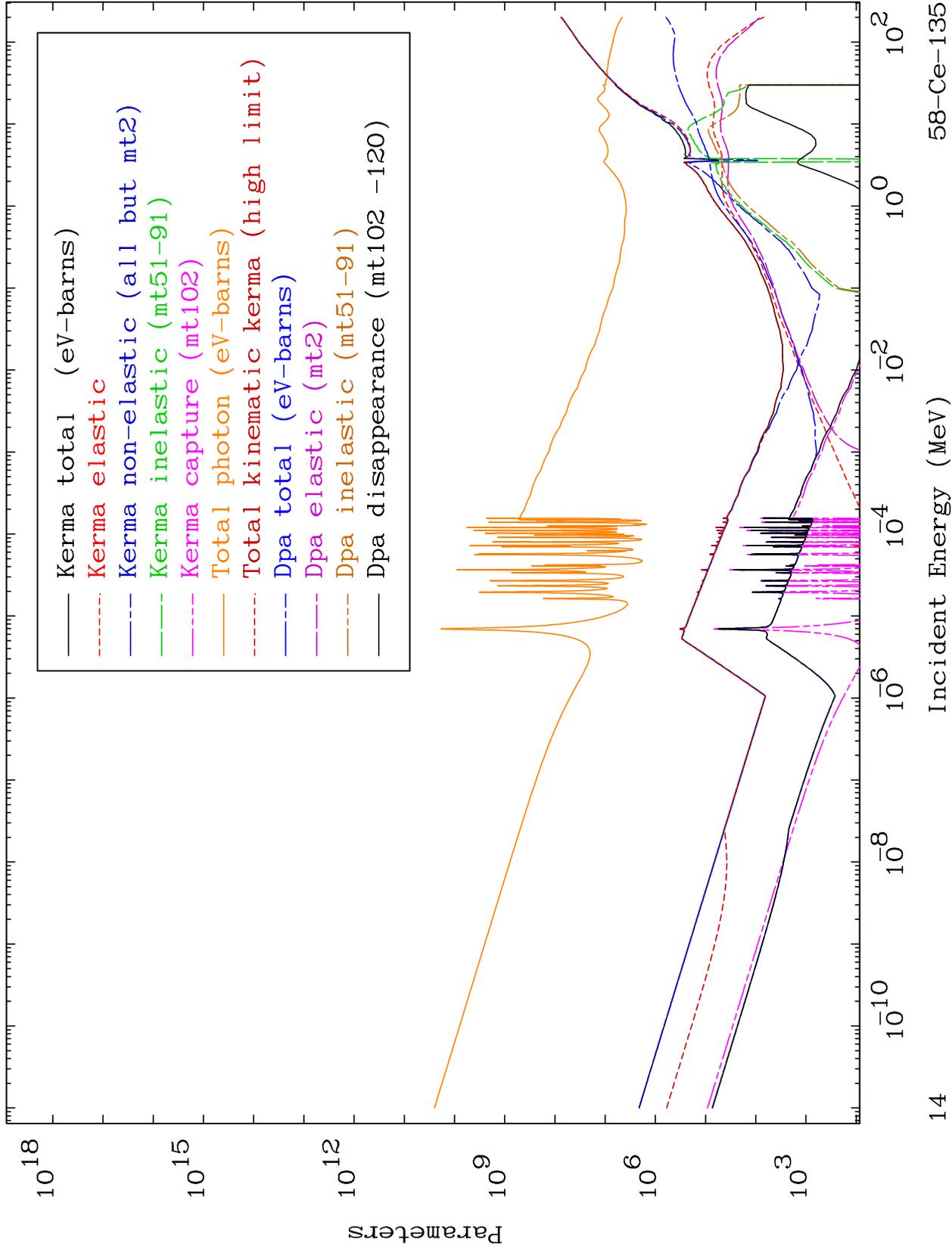
58-Ce-135

MAT 58222

(n, α) Levels
293 Kelvin Cross Sections

58-Ce-135

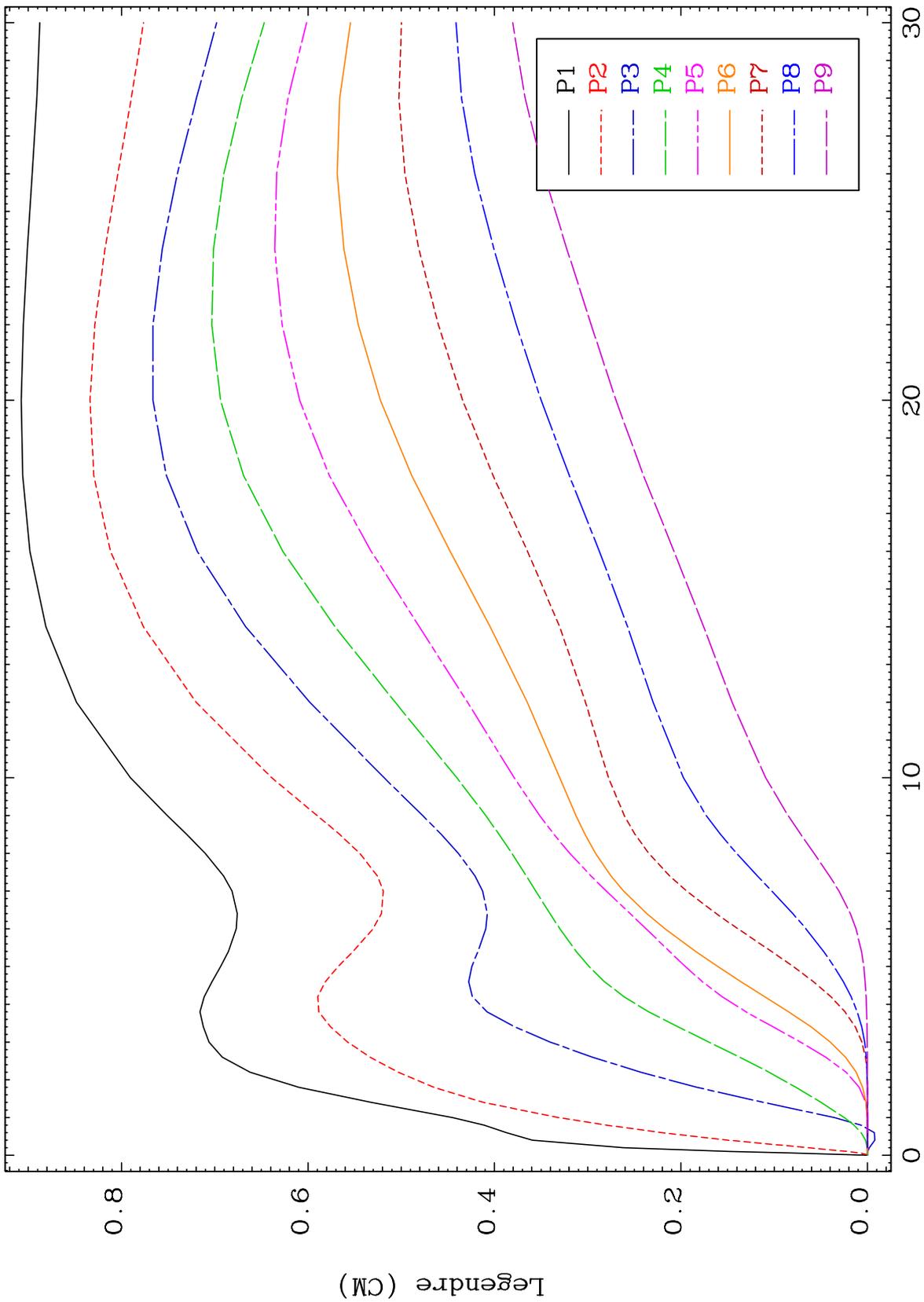




MAT 5822

Elastic Legendre Coefficients

58-Ce-135



58-Ce-135

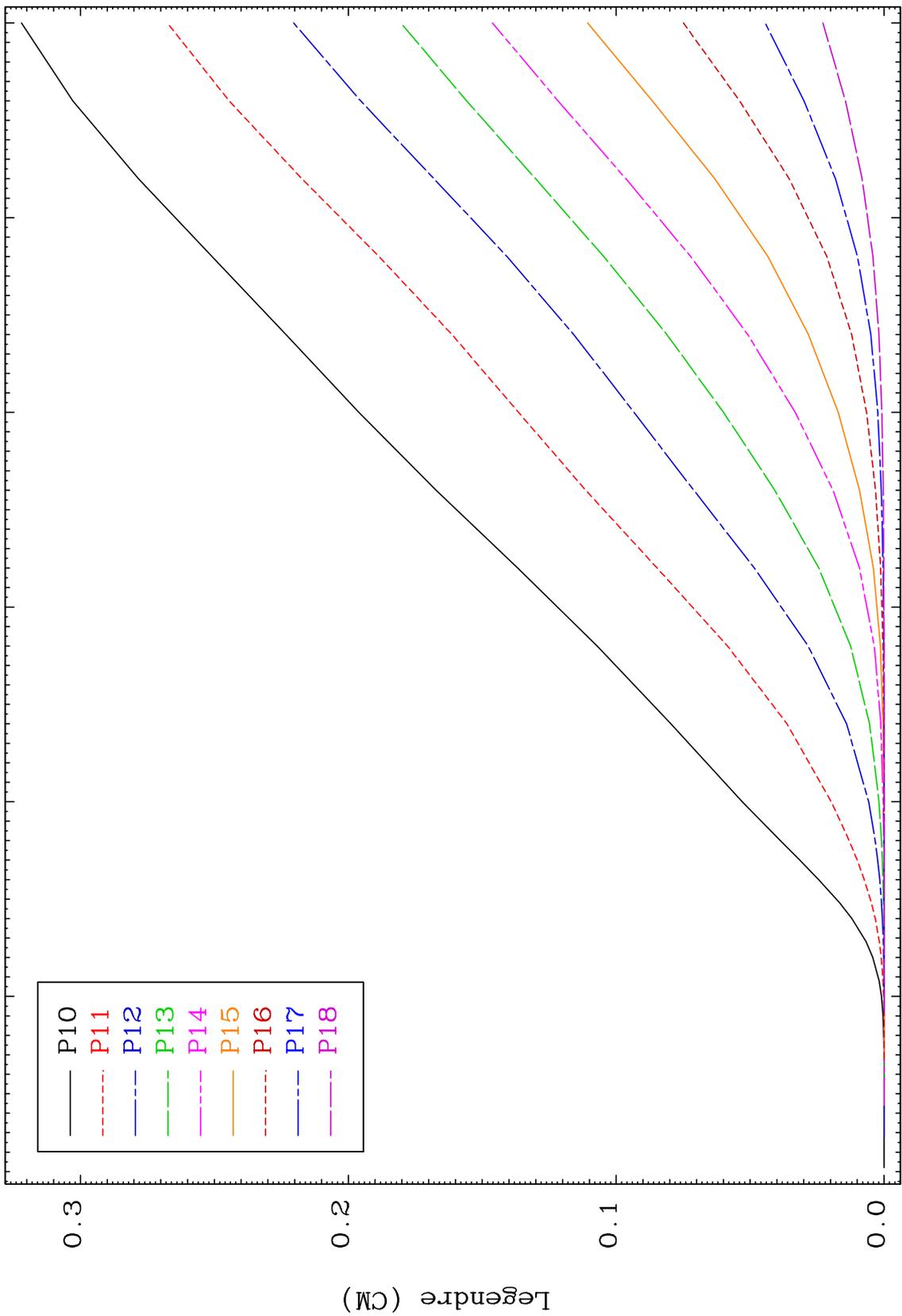
Incident Energy (MeV)

15

MAT 5822

Elastic Legendre Coefficients

58-Ce-135



16

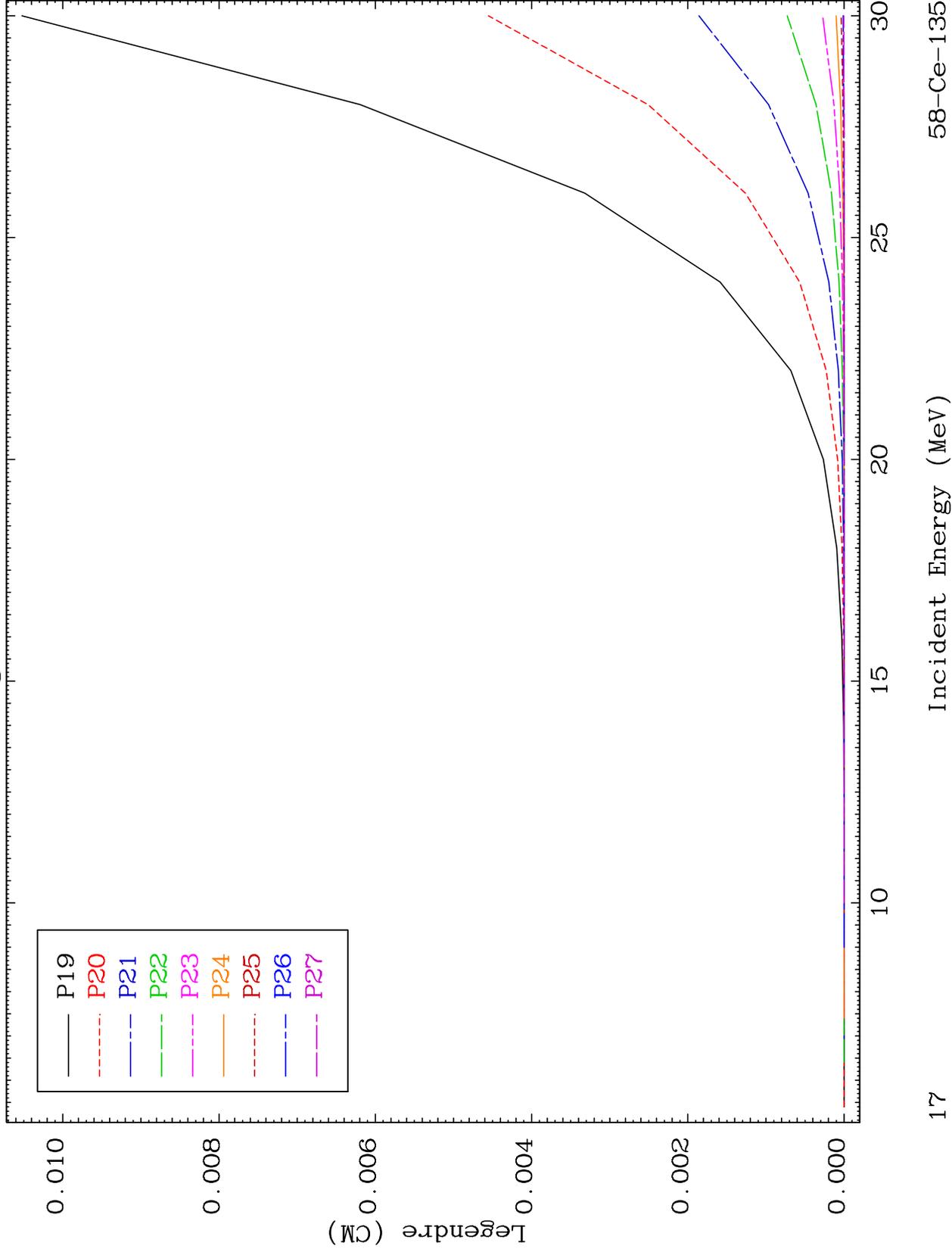
Incident Energy (MeV)

58-Ce-135

MAT 58222

Elastic Legendre Coefficients

58-Ce-135



17

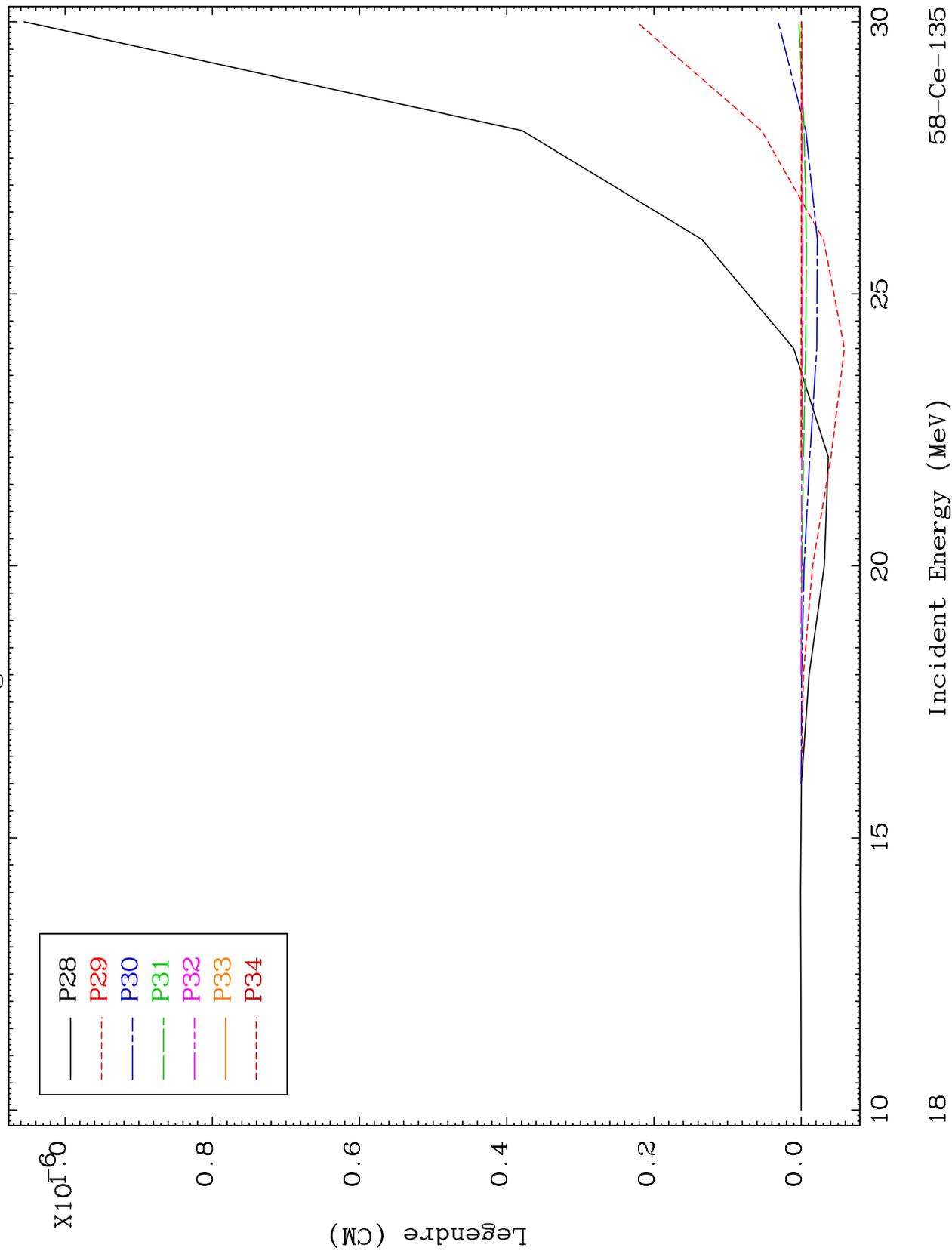
Incident Energy (MeV)

58-Ce-135

MAT 58222

Elastic Legendre Coefficients

58-Ce-135



18

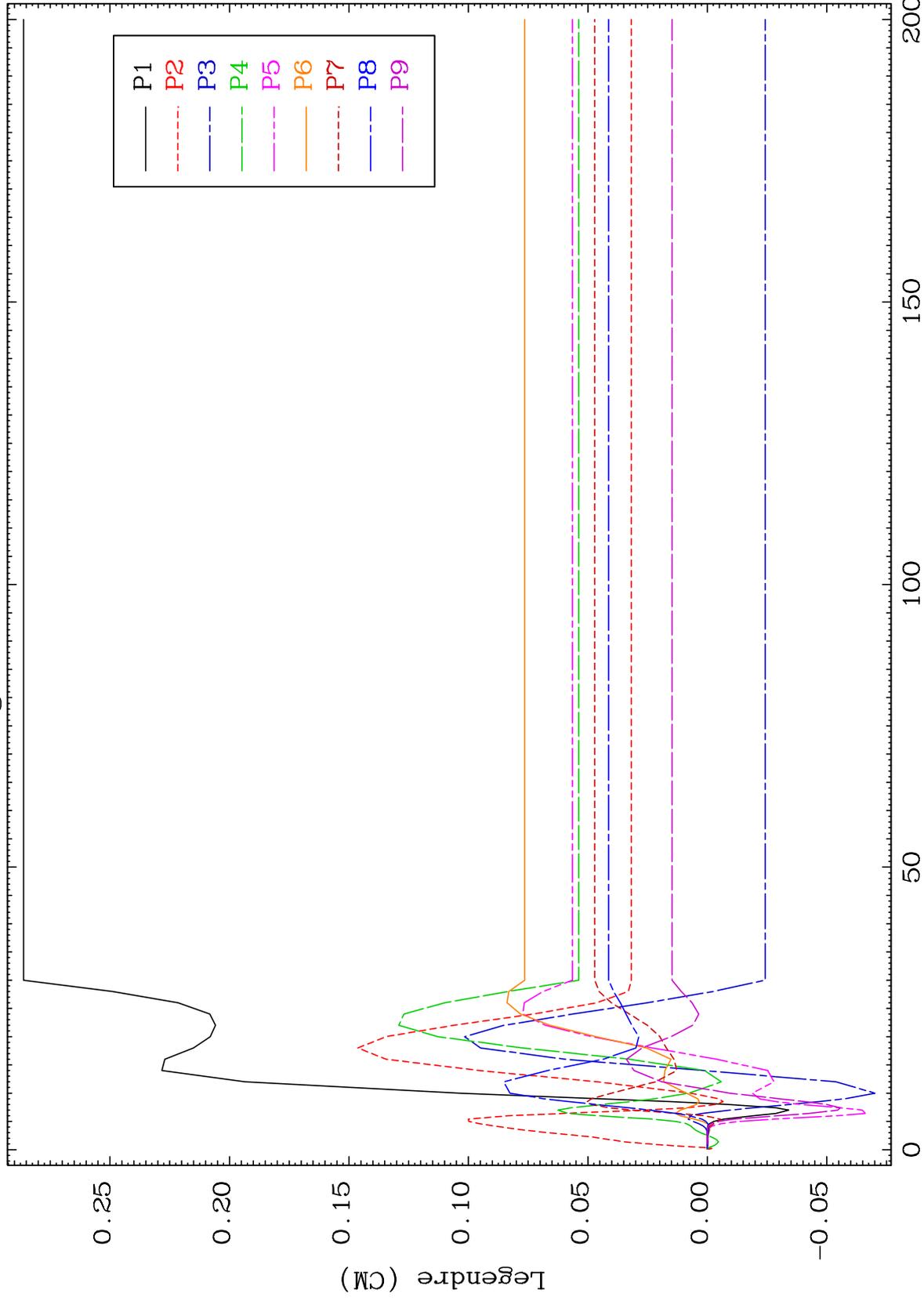
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

58-Ce-135



19

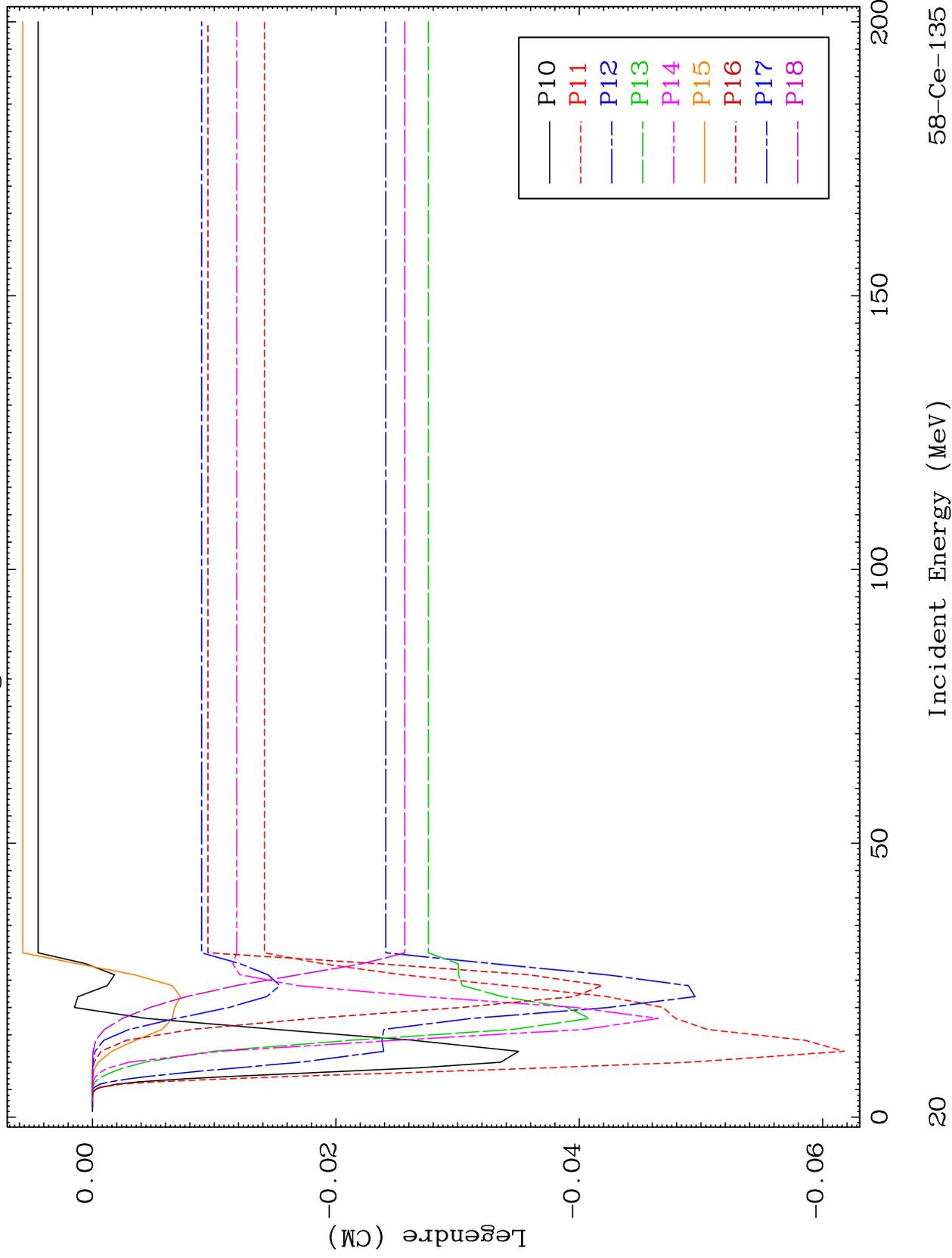
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

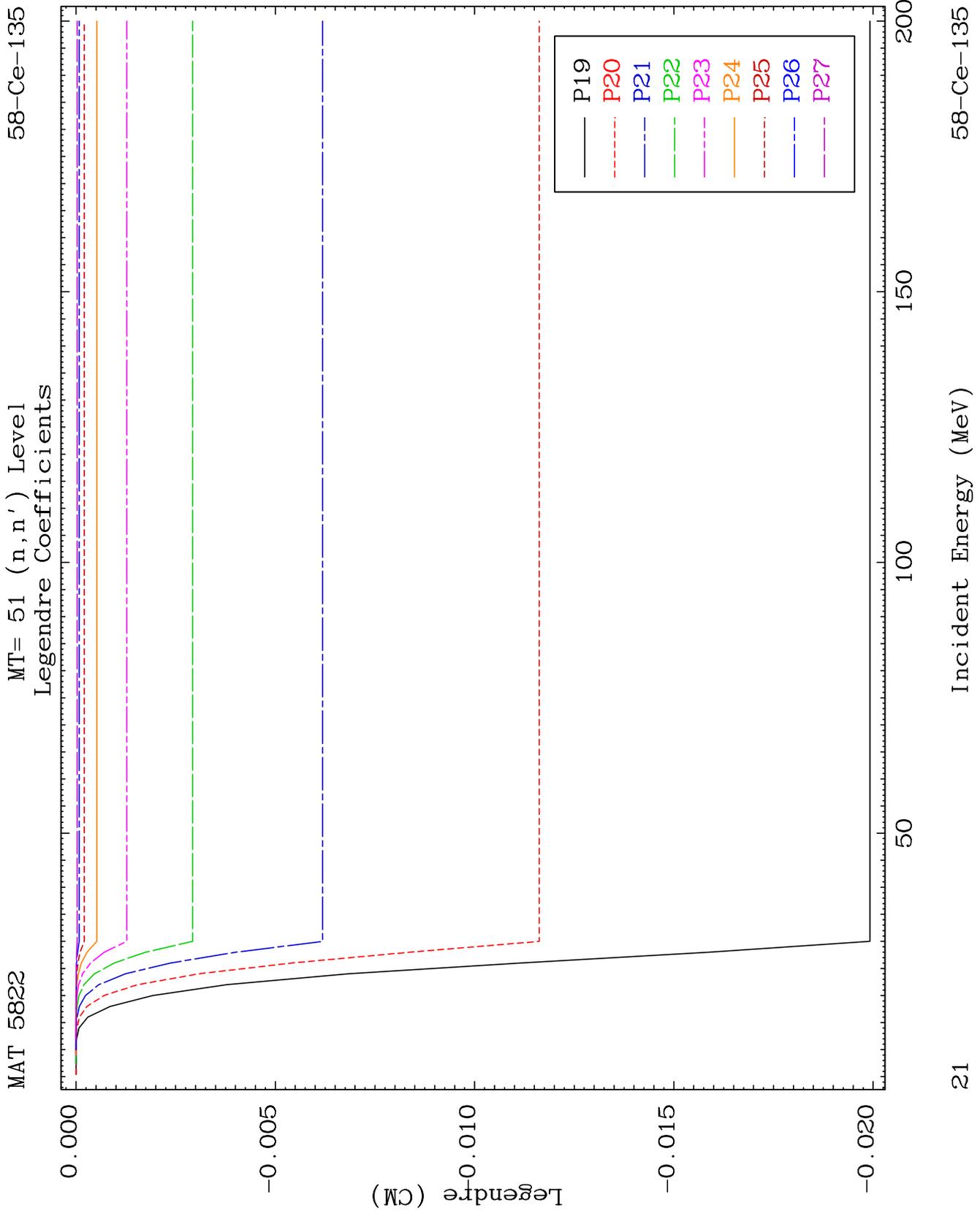
58-Ce-135

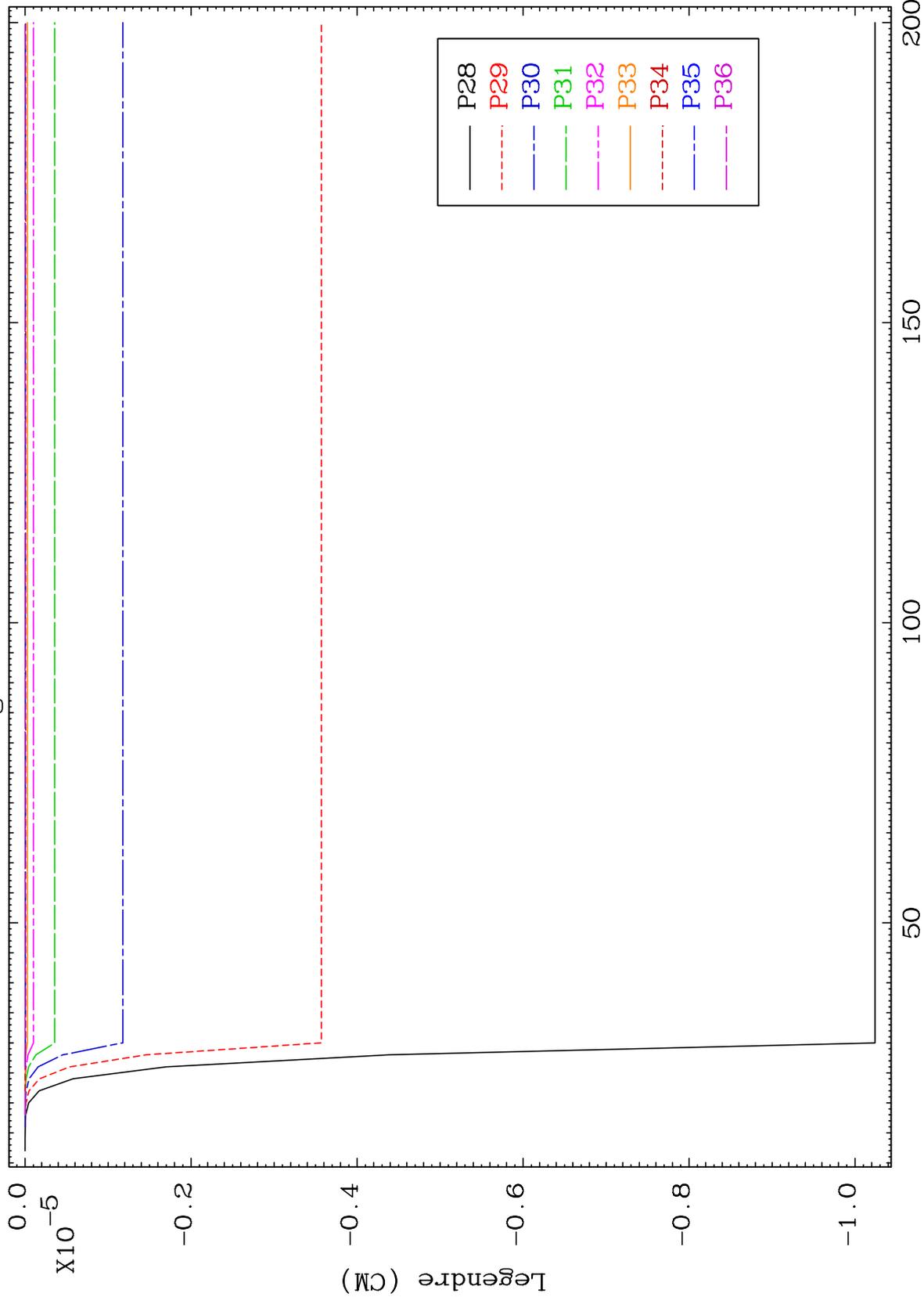


58-Ce-135

Incident Energy (MeV)

0

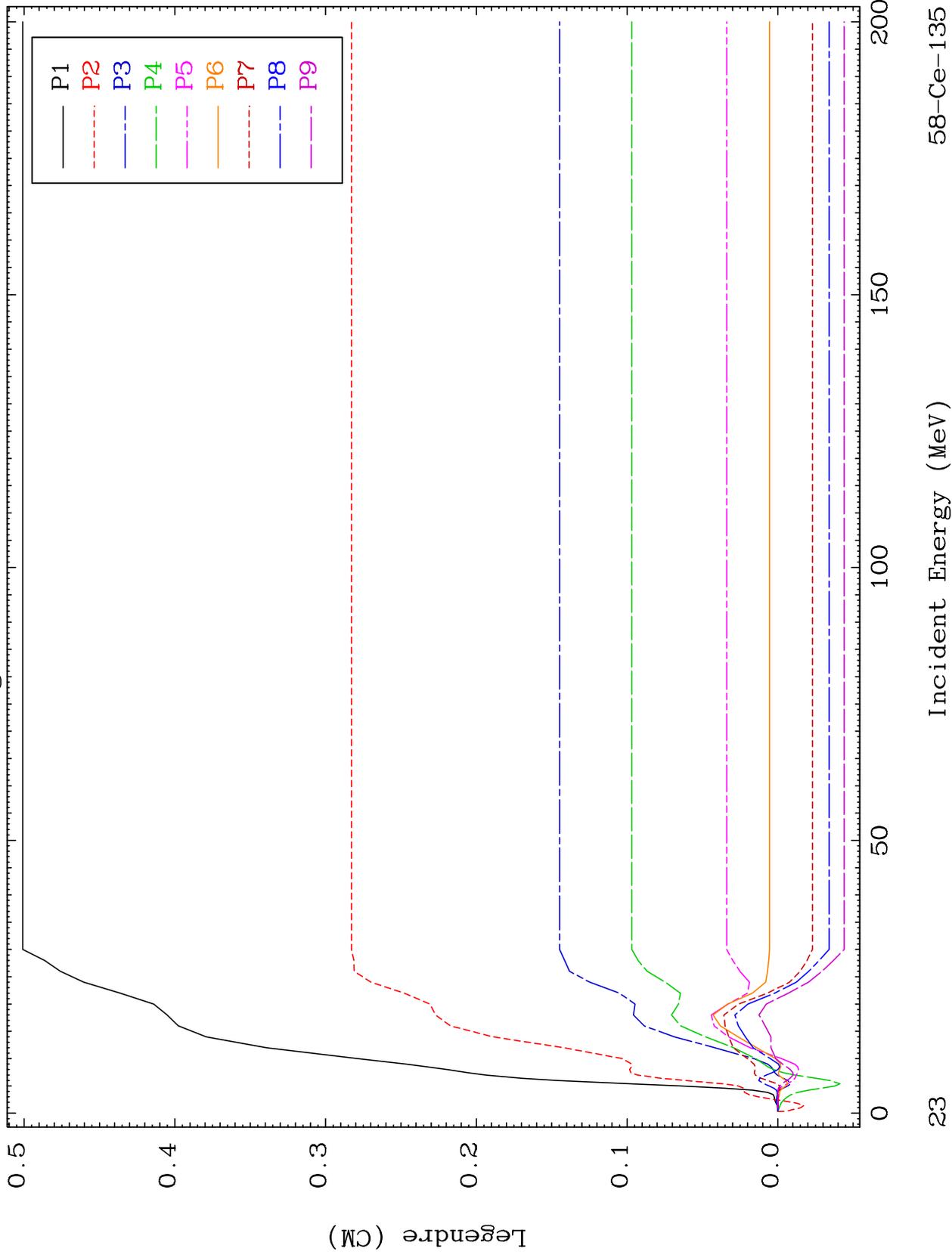




MAT 58222

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

58-Ce-135



23

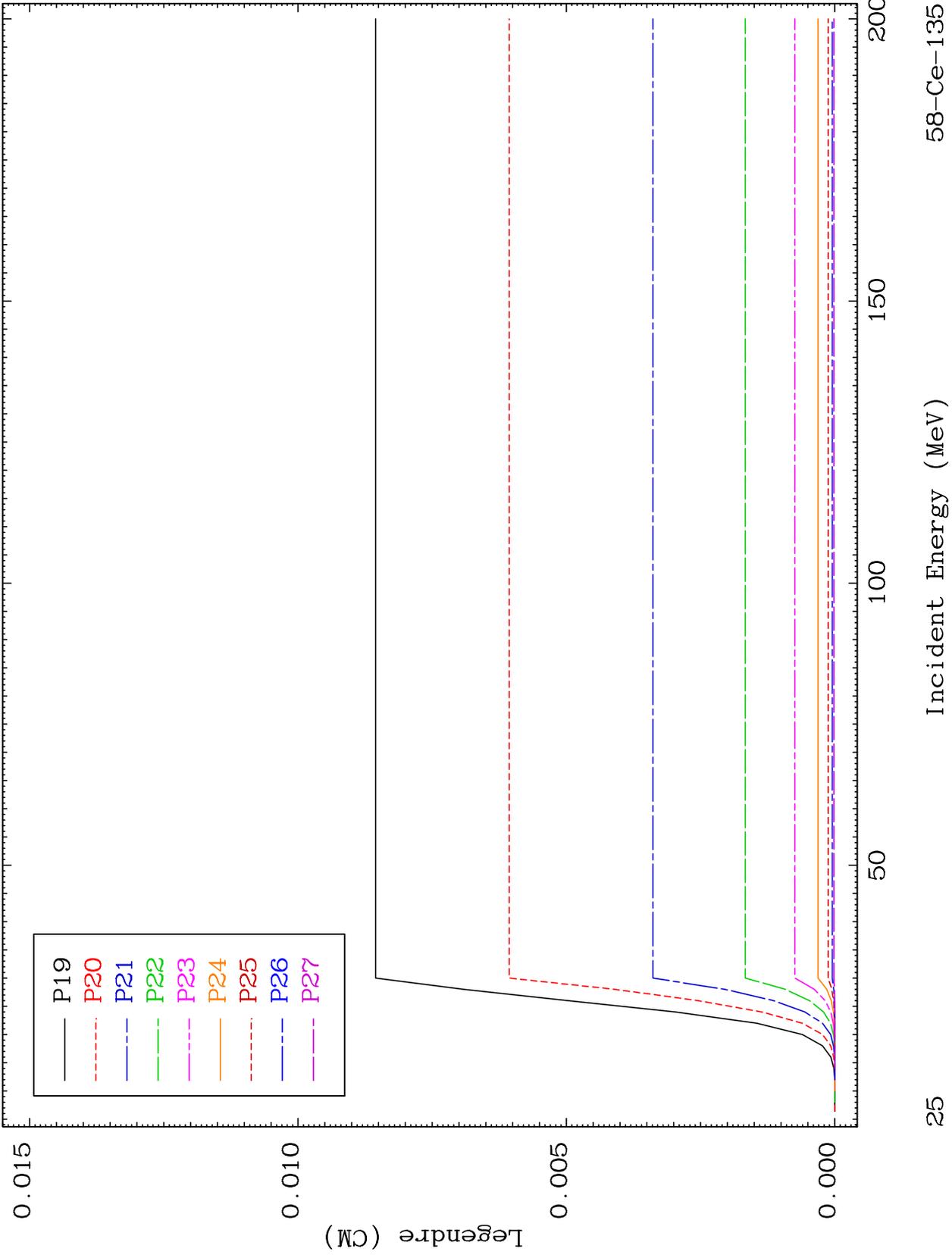
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

58-Ce-135



25

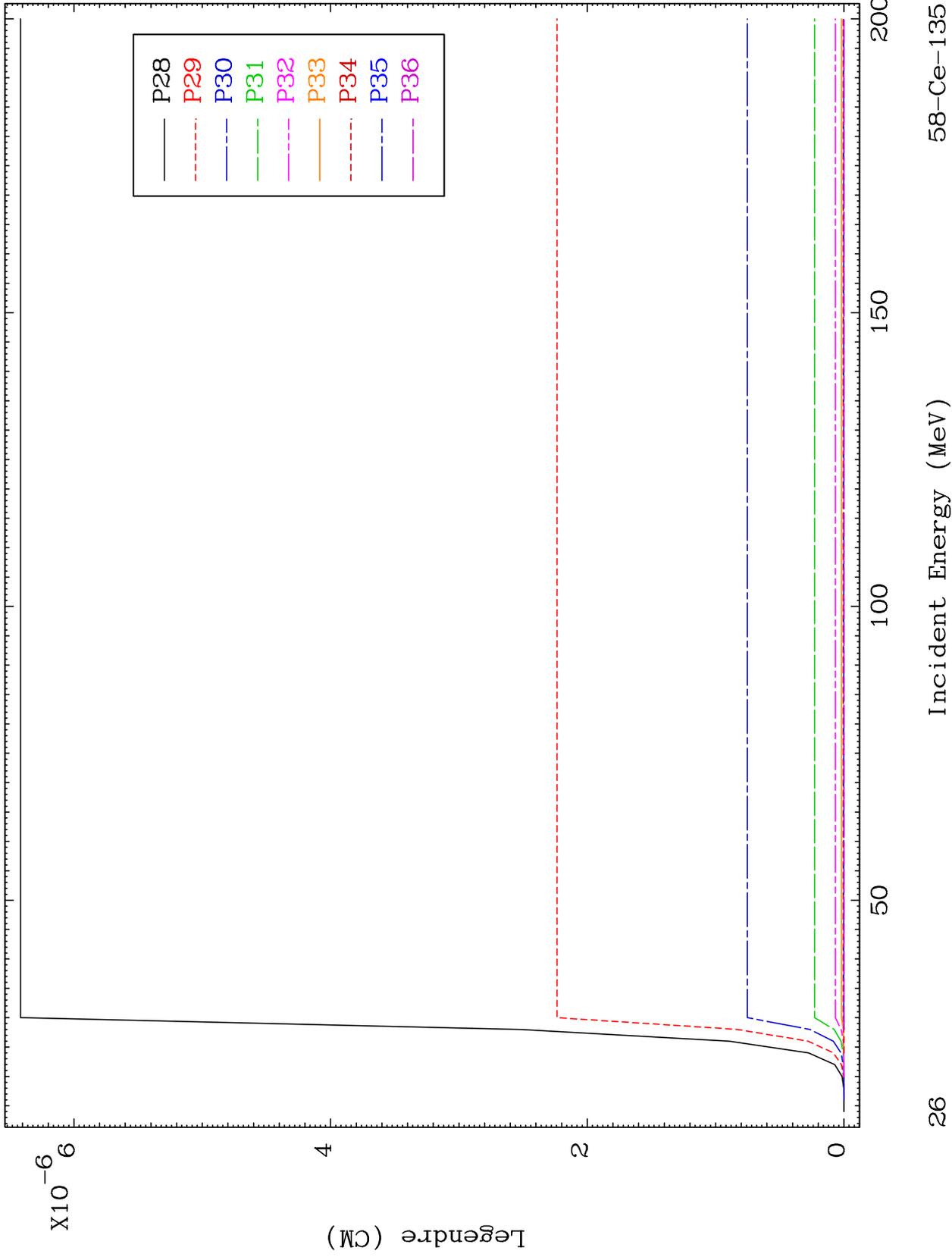
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



26

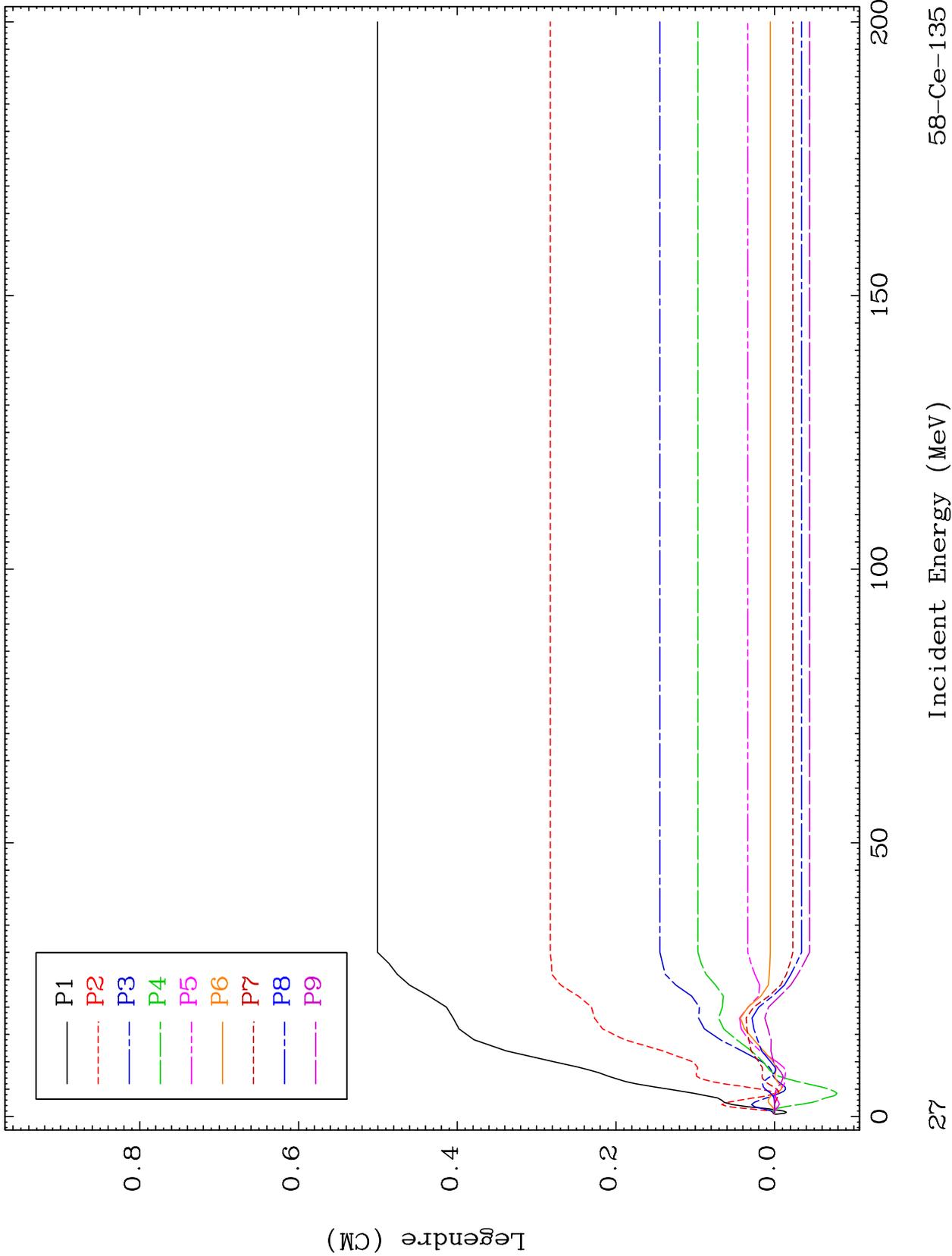
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

58-Ce-135



27

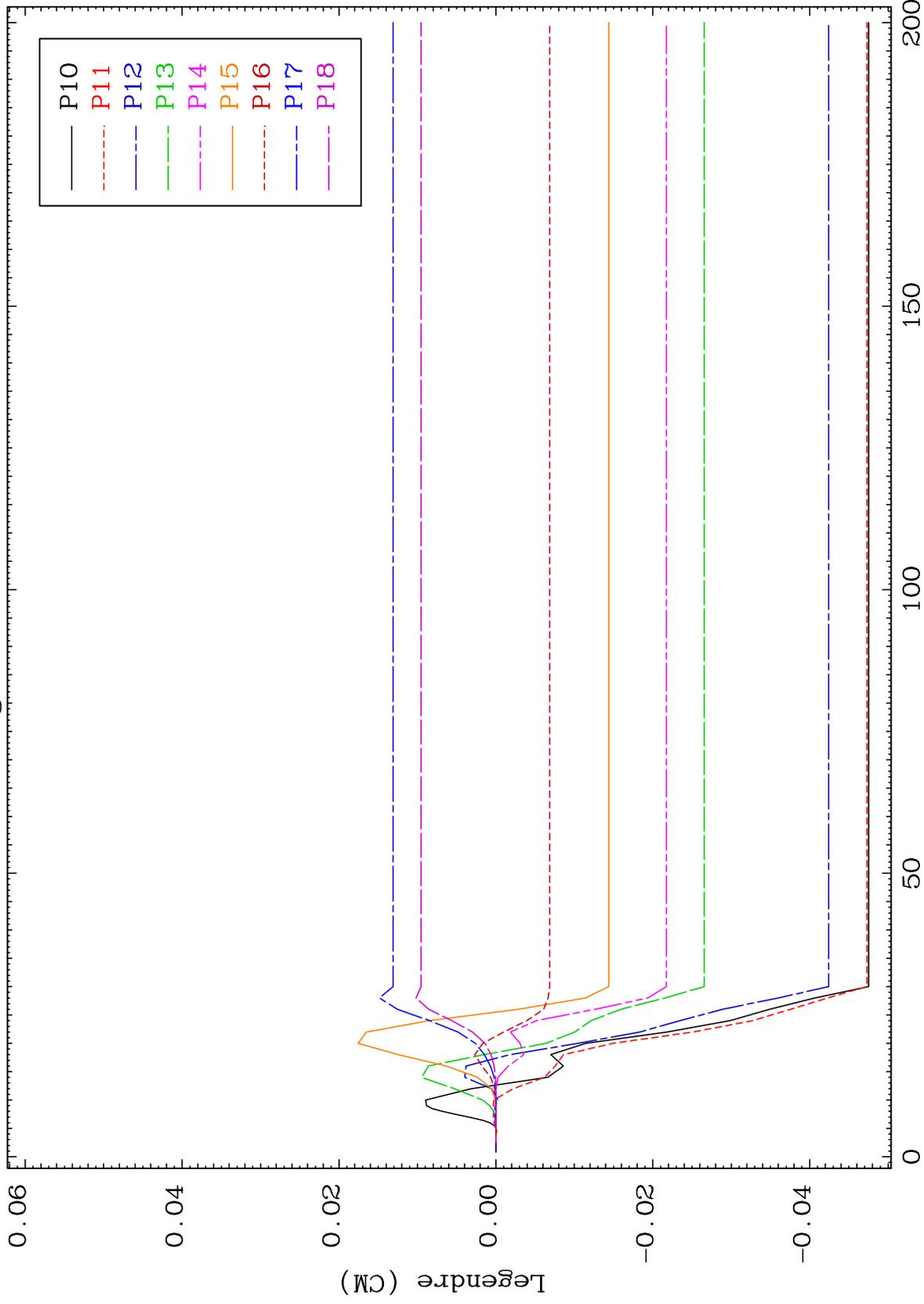
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

58-Ce-135



28

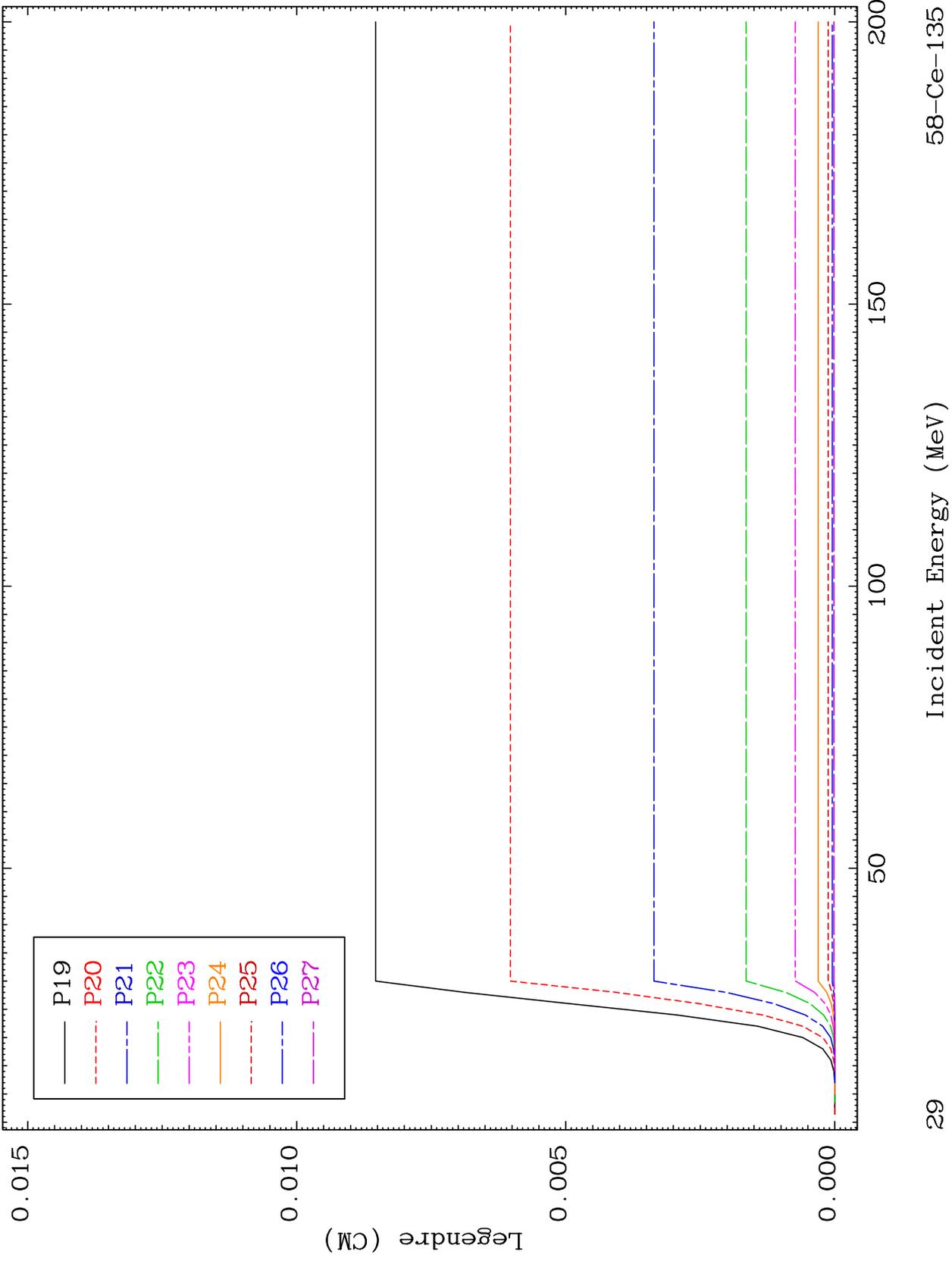
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

58-Ce-135



29

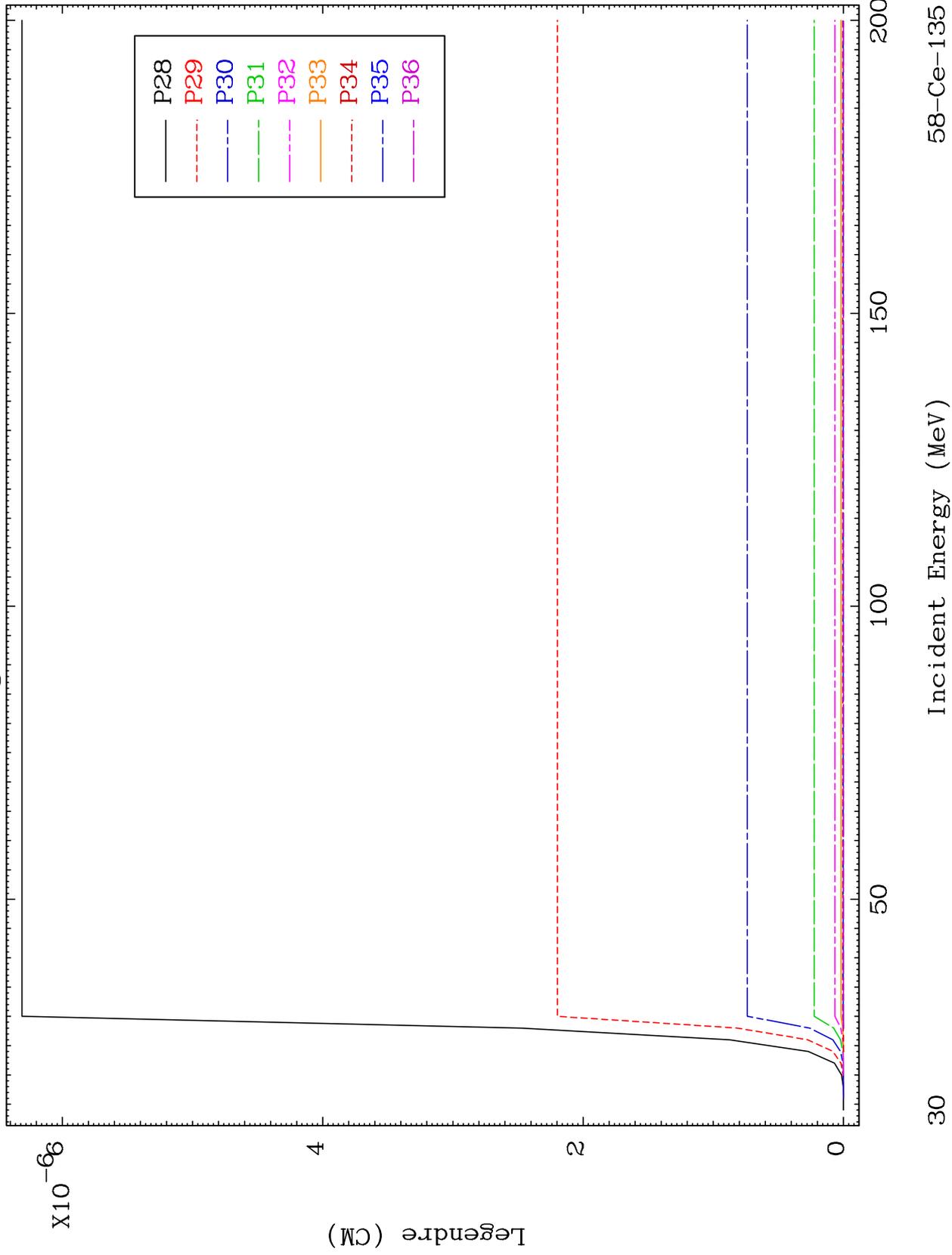
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

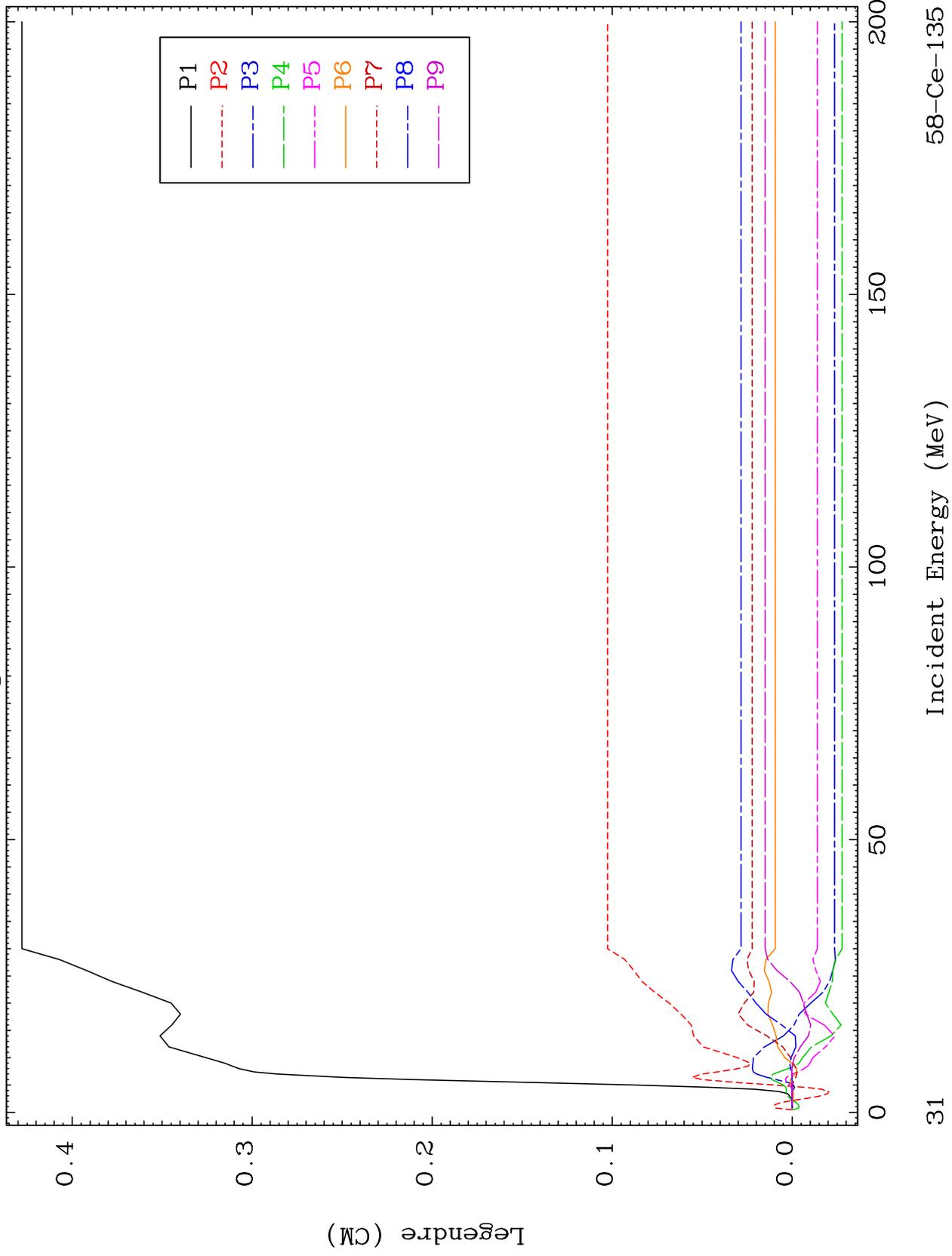
58-Ce-135



MAT 58222

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

58-Ce-135



31

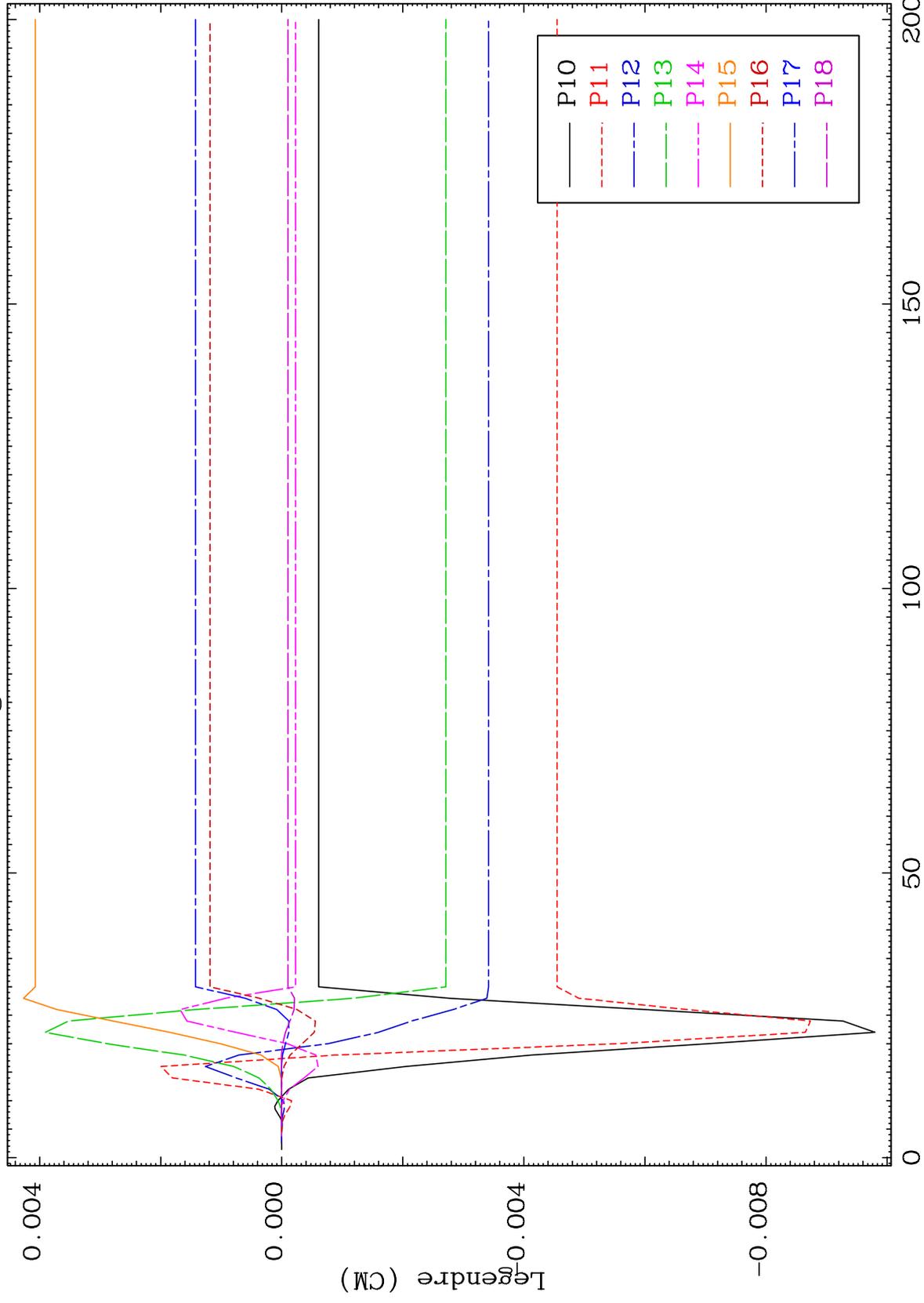
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

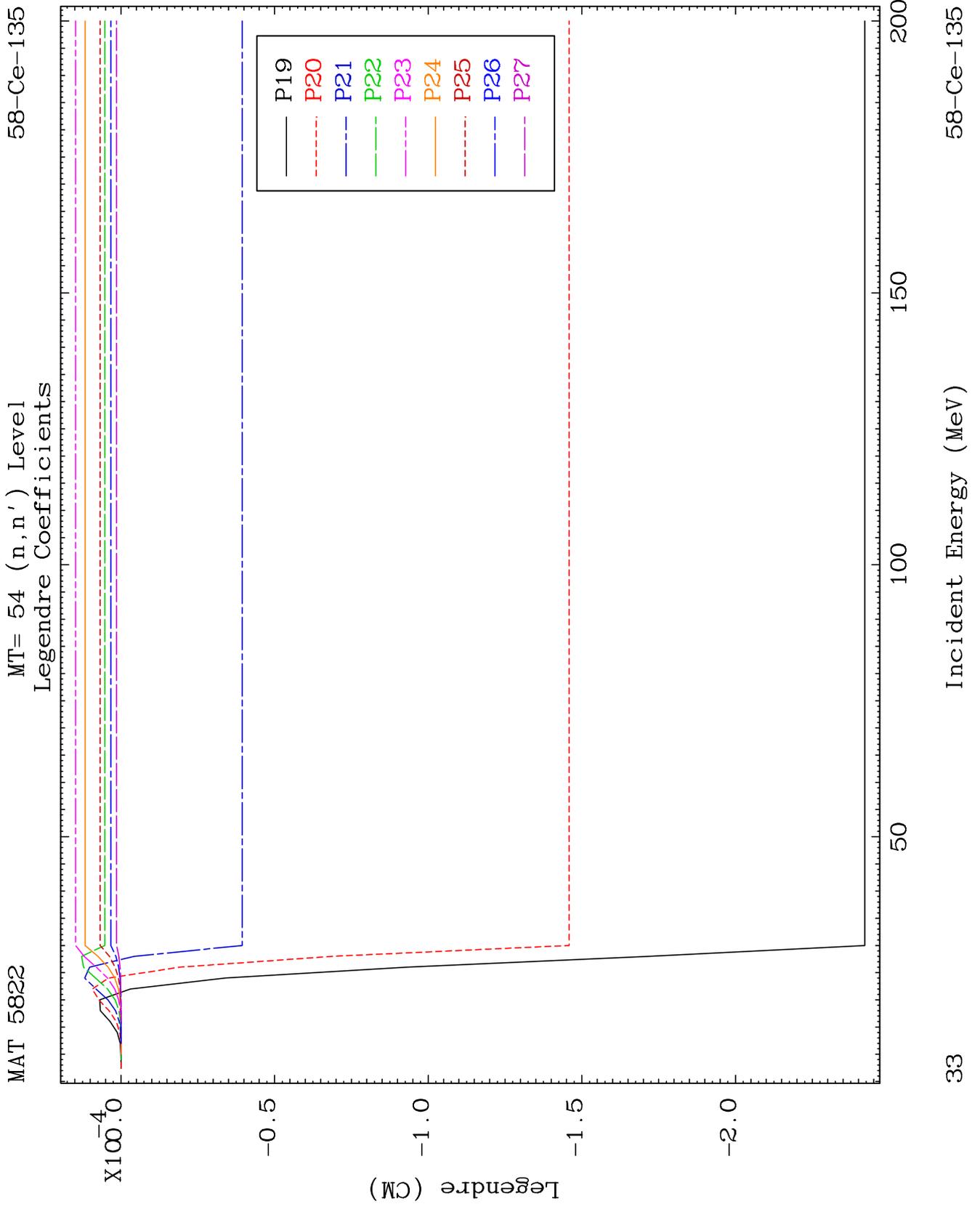
58-Ce-135



32

Incident Energy (MeV)

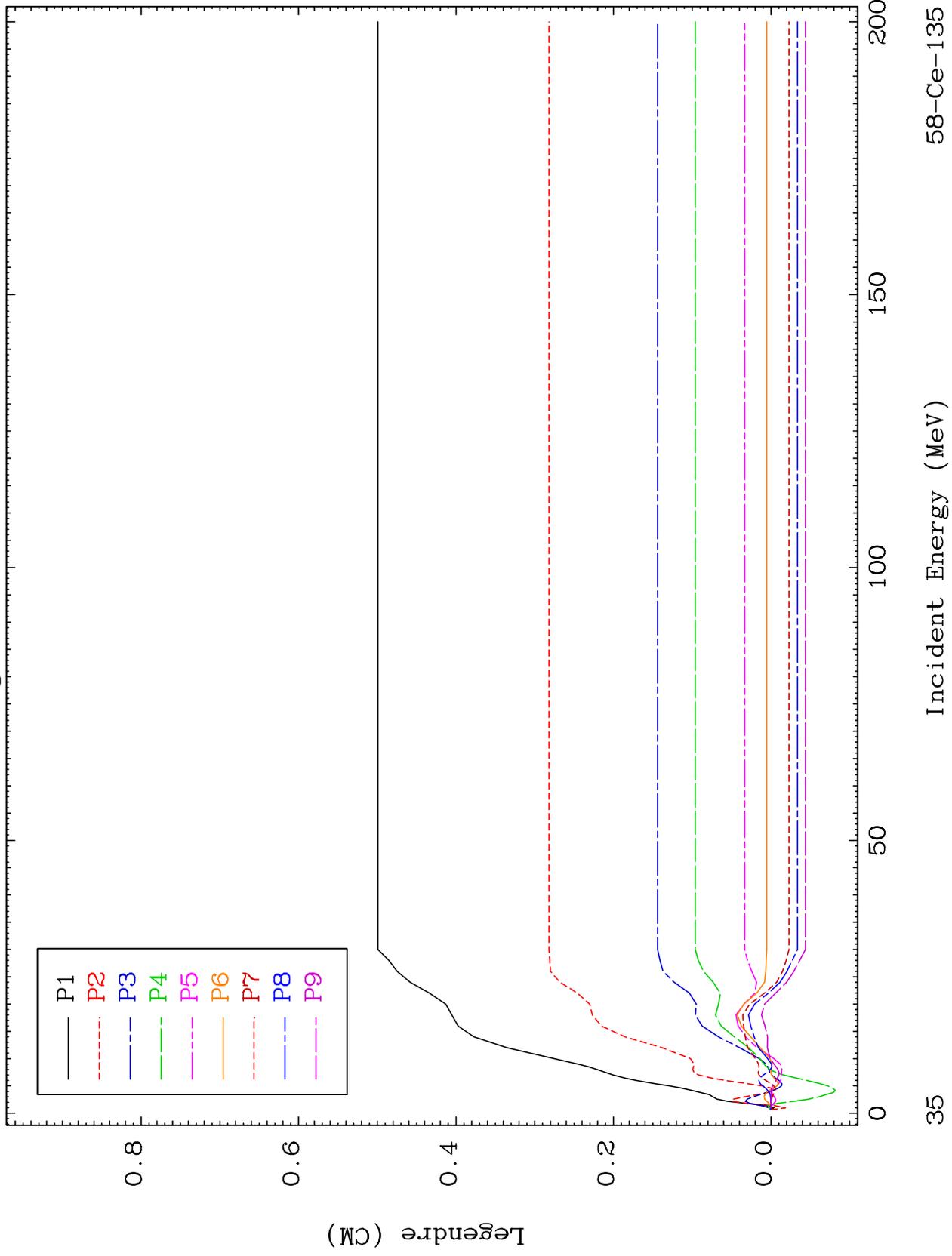
58-Ce-135



MAT 5822

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

58-Ce-135



58-Ce-135

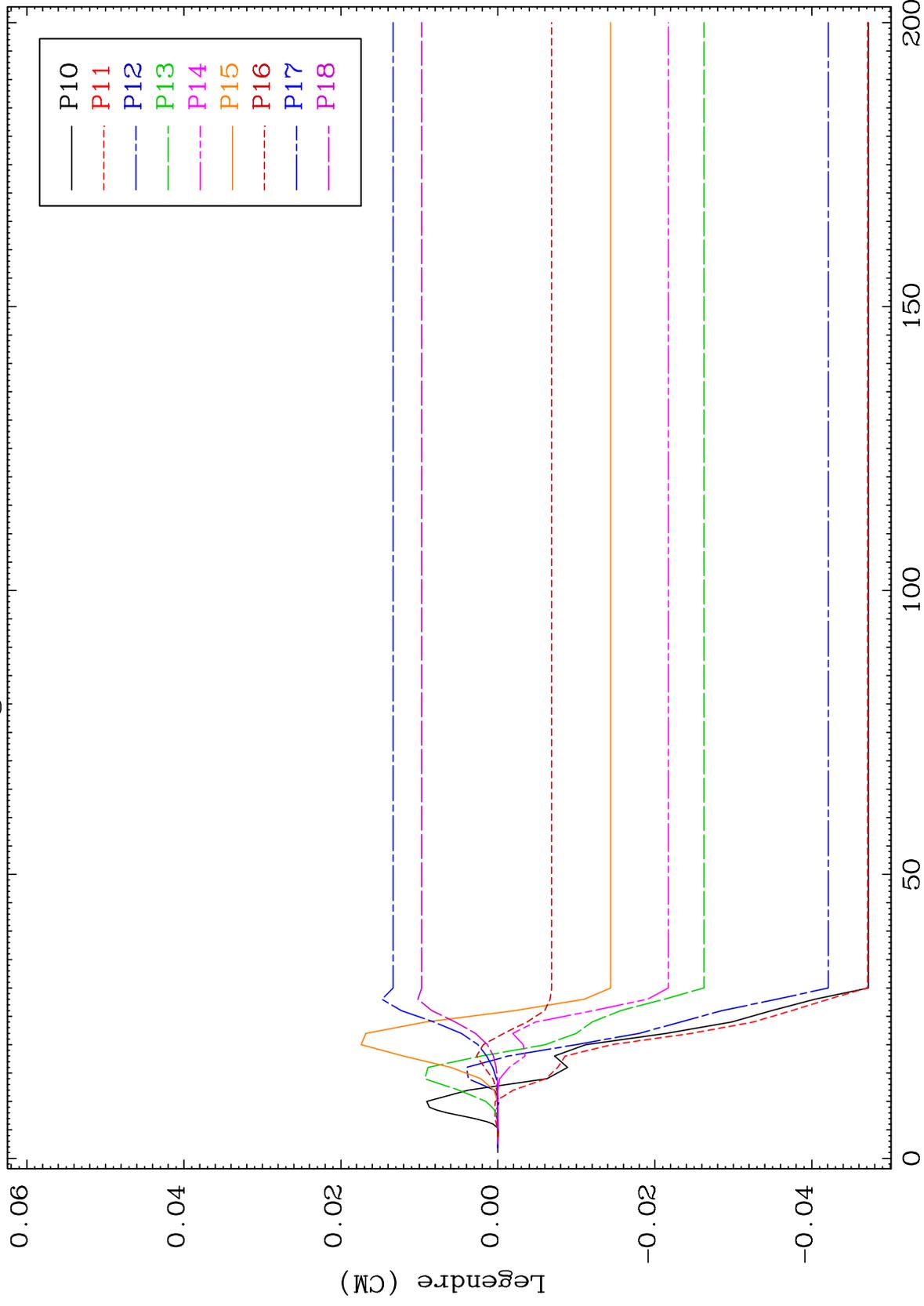
Incident Energy (MeV)

35

MAT 58222

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

58-Ce-135



36

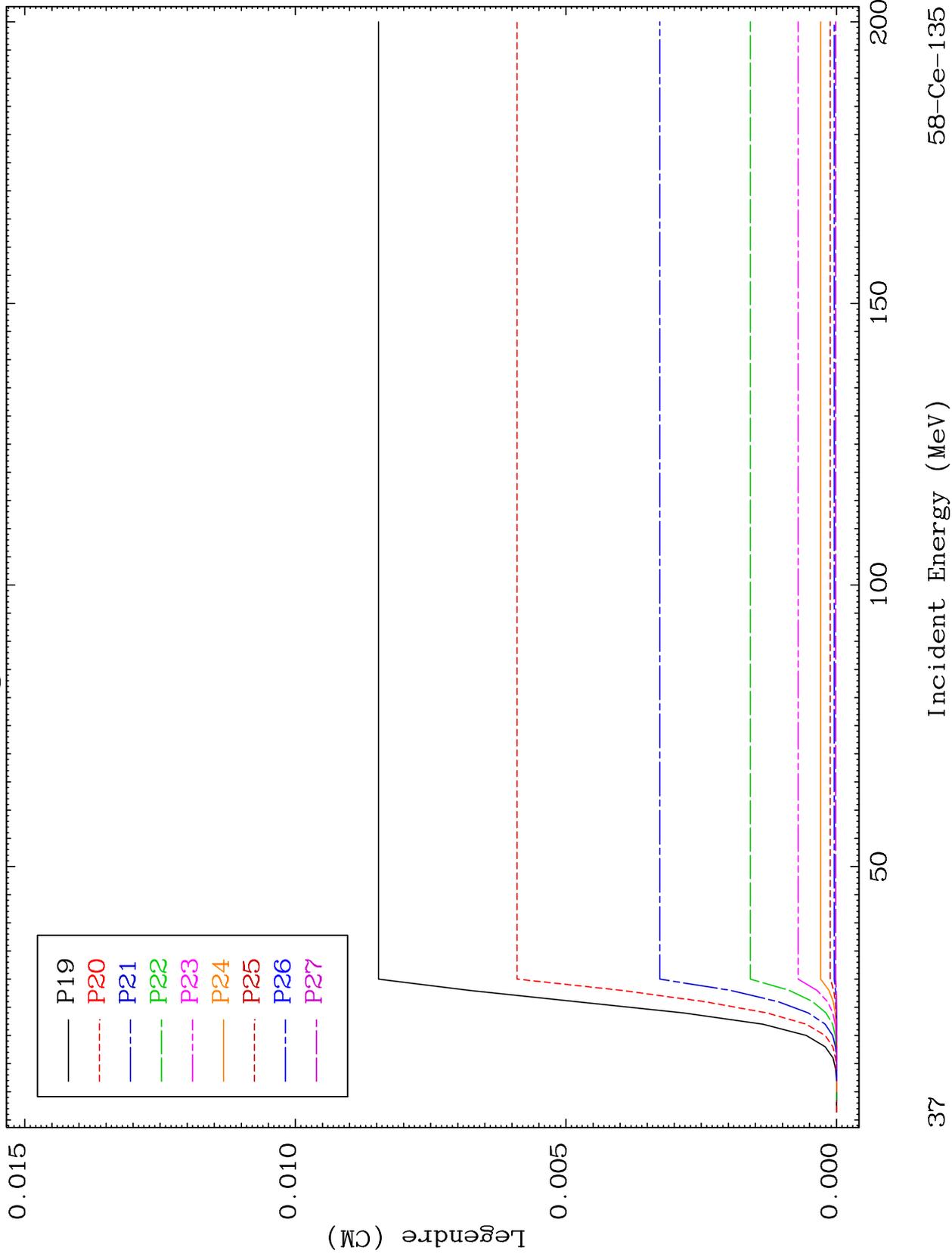
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

58-Ce-135



37

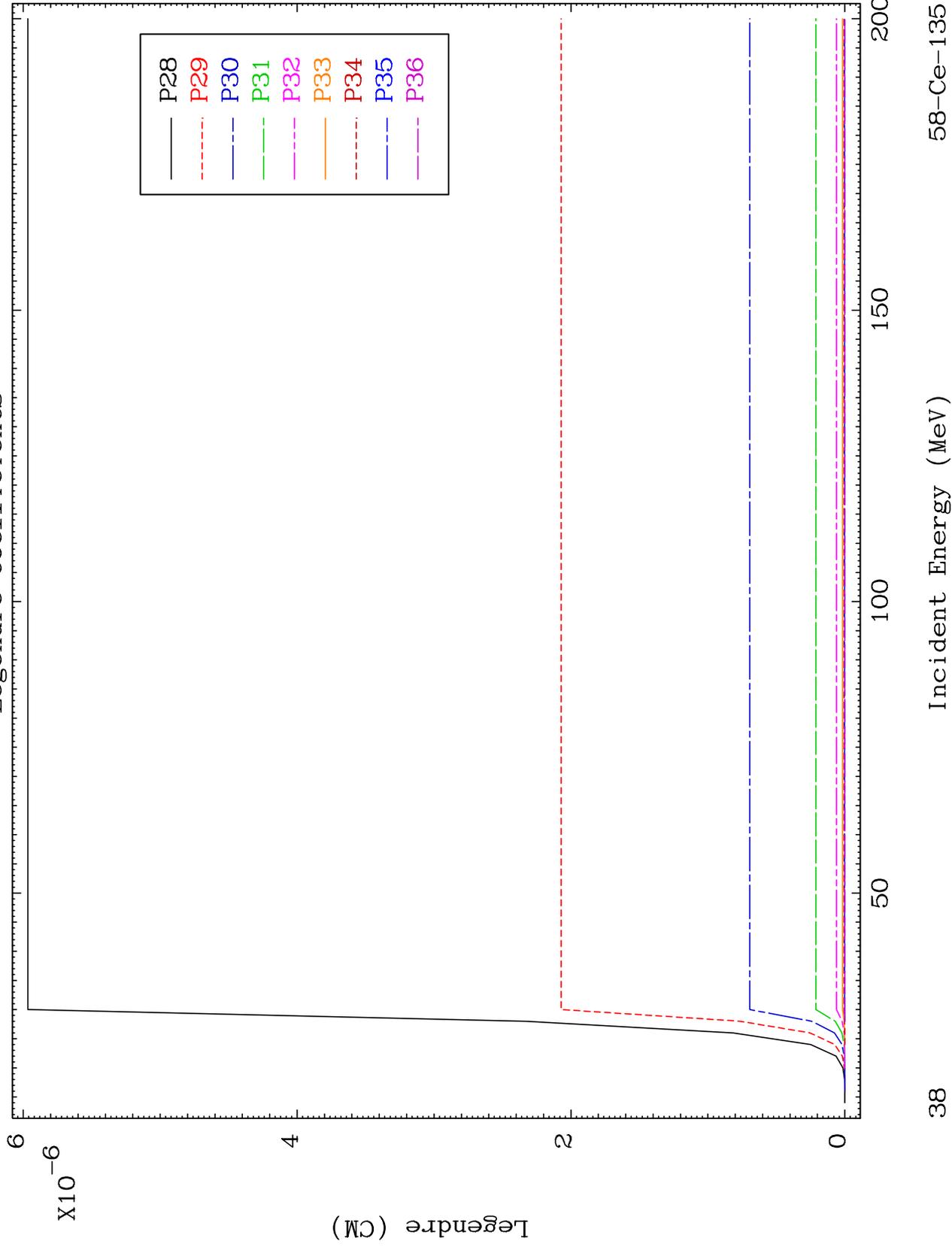
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

58-Ce-135



38

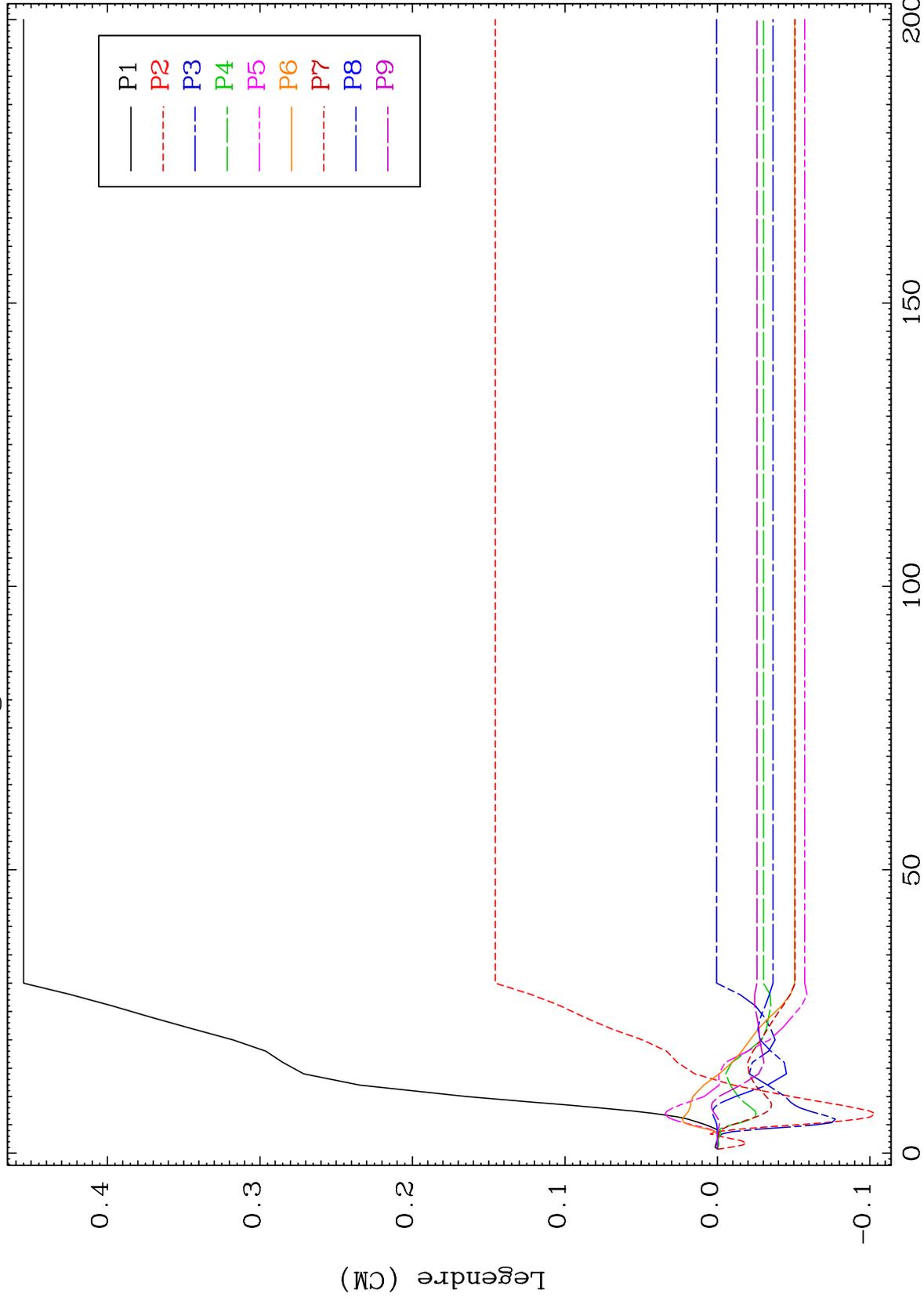
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

58-Ce-135



39

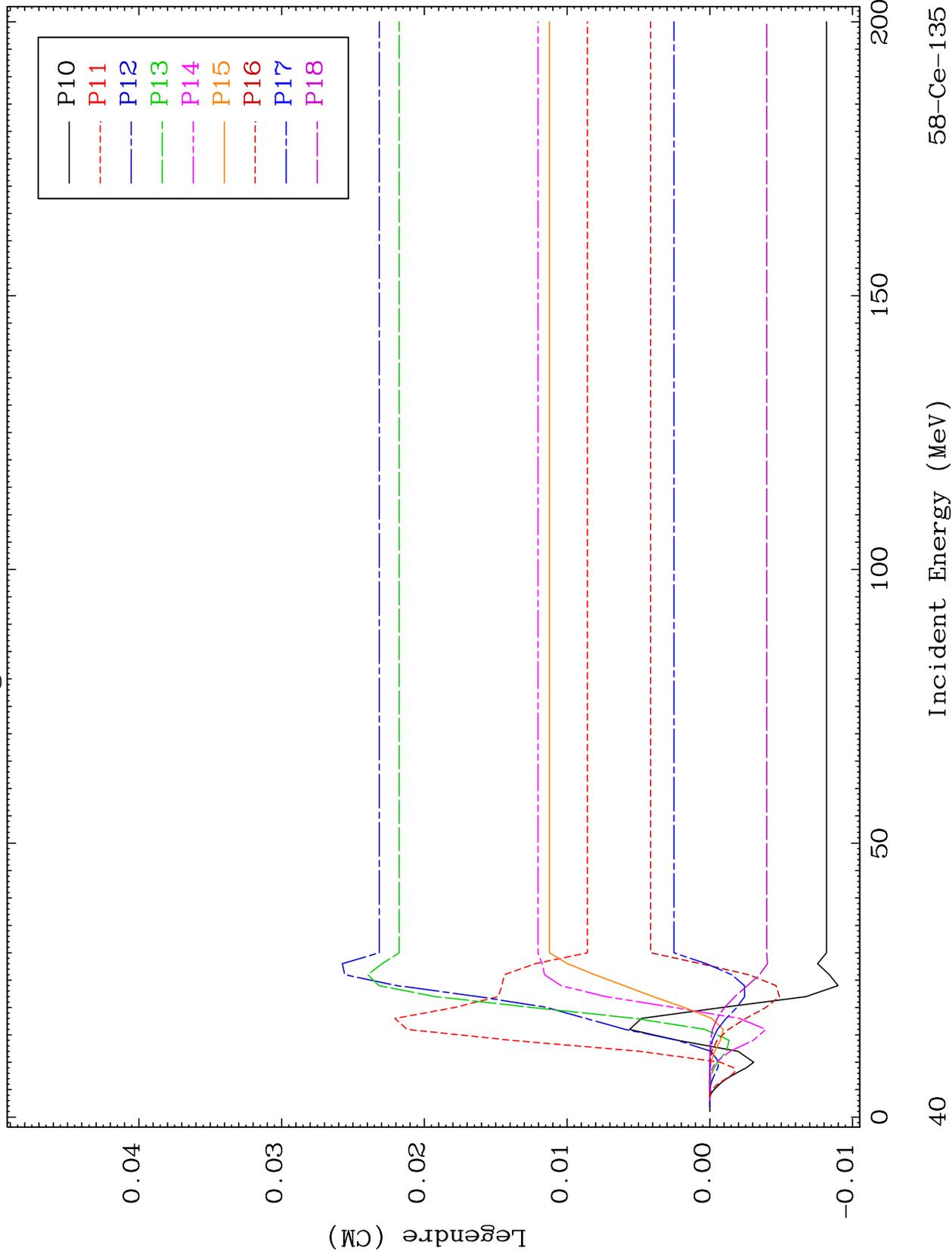
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

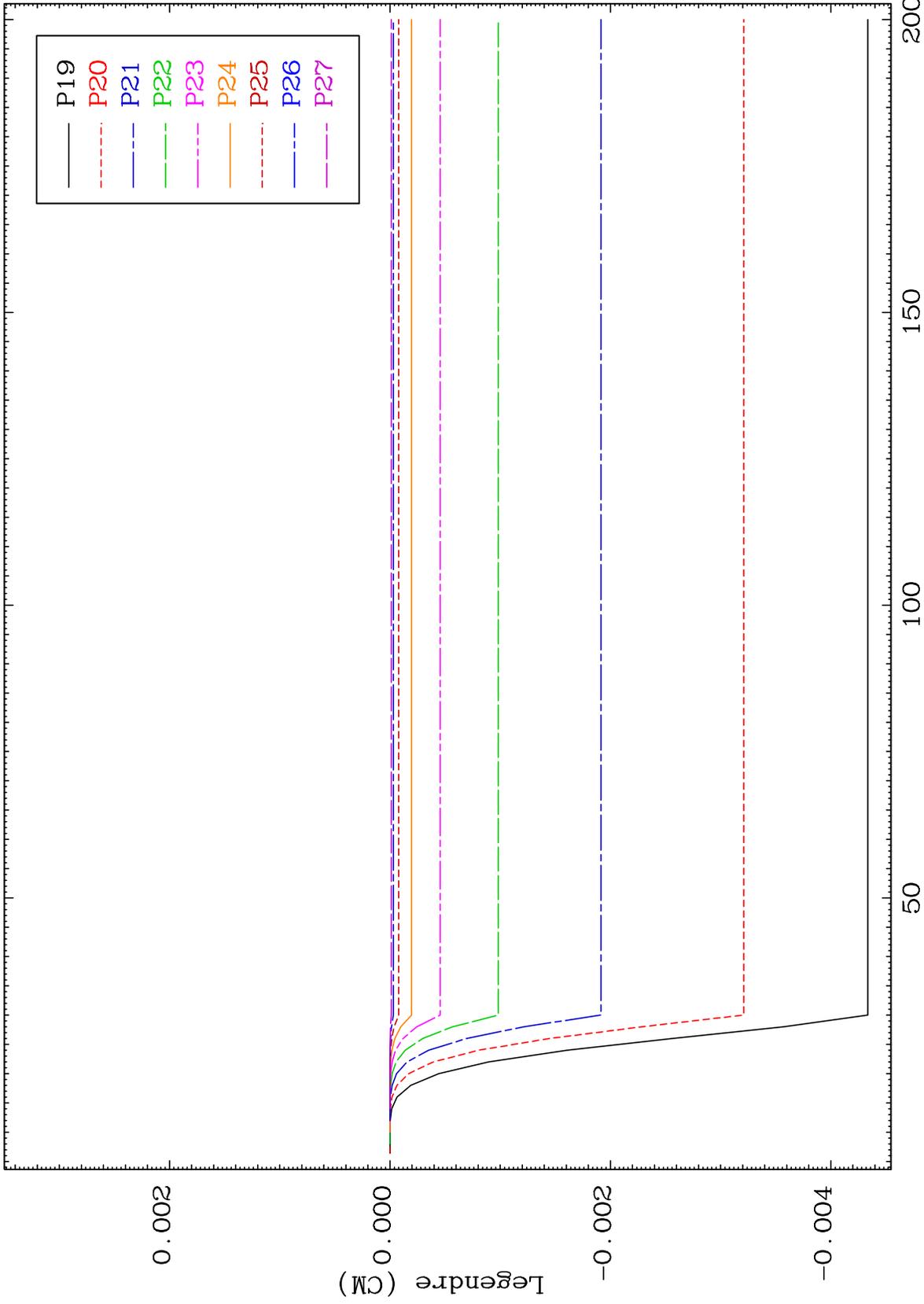
58-Ce-135



MAT 5822

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

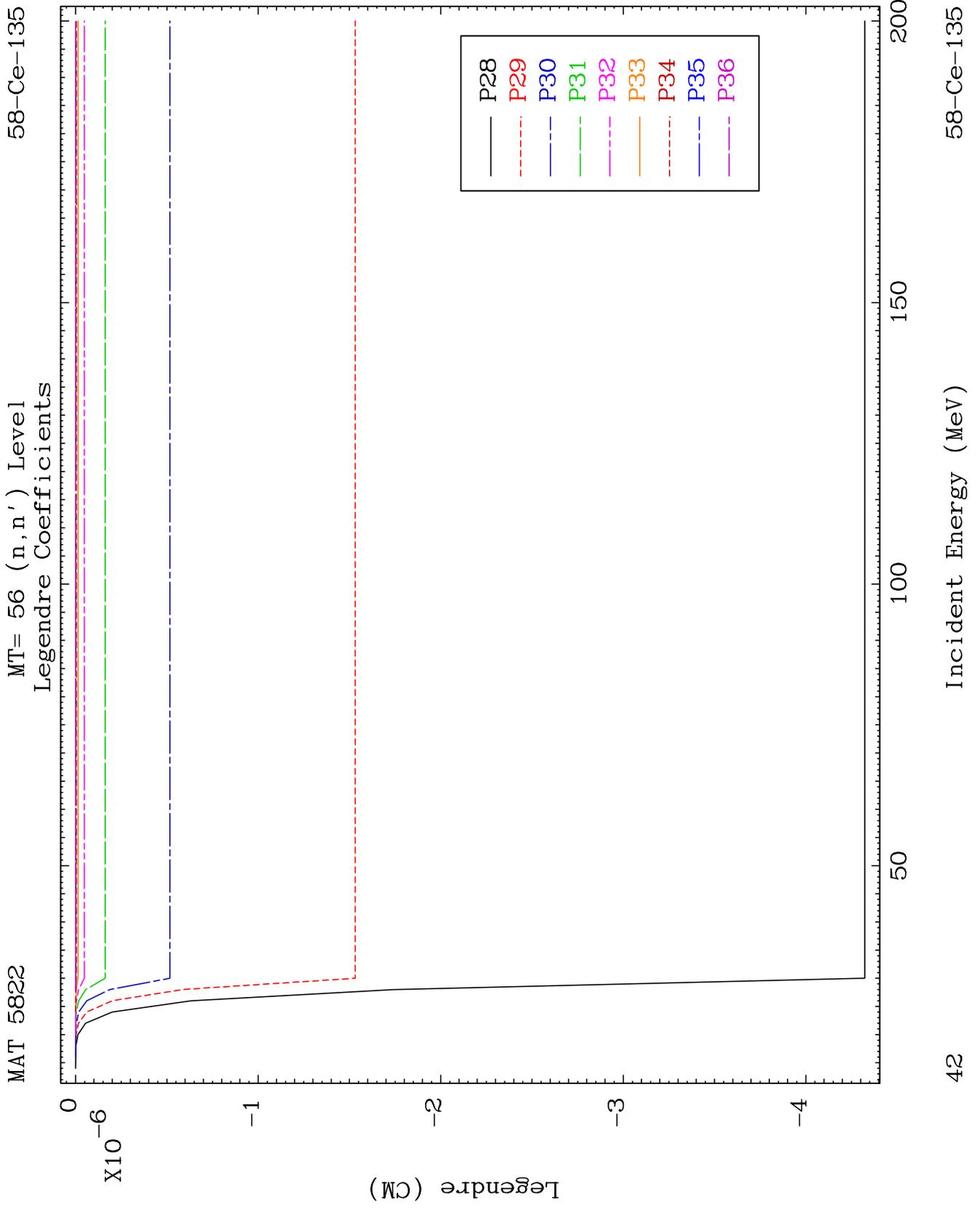
58-Ce-135

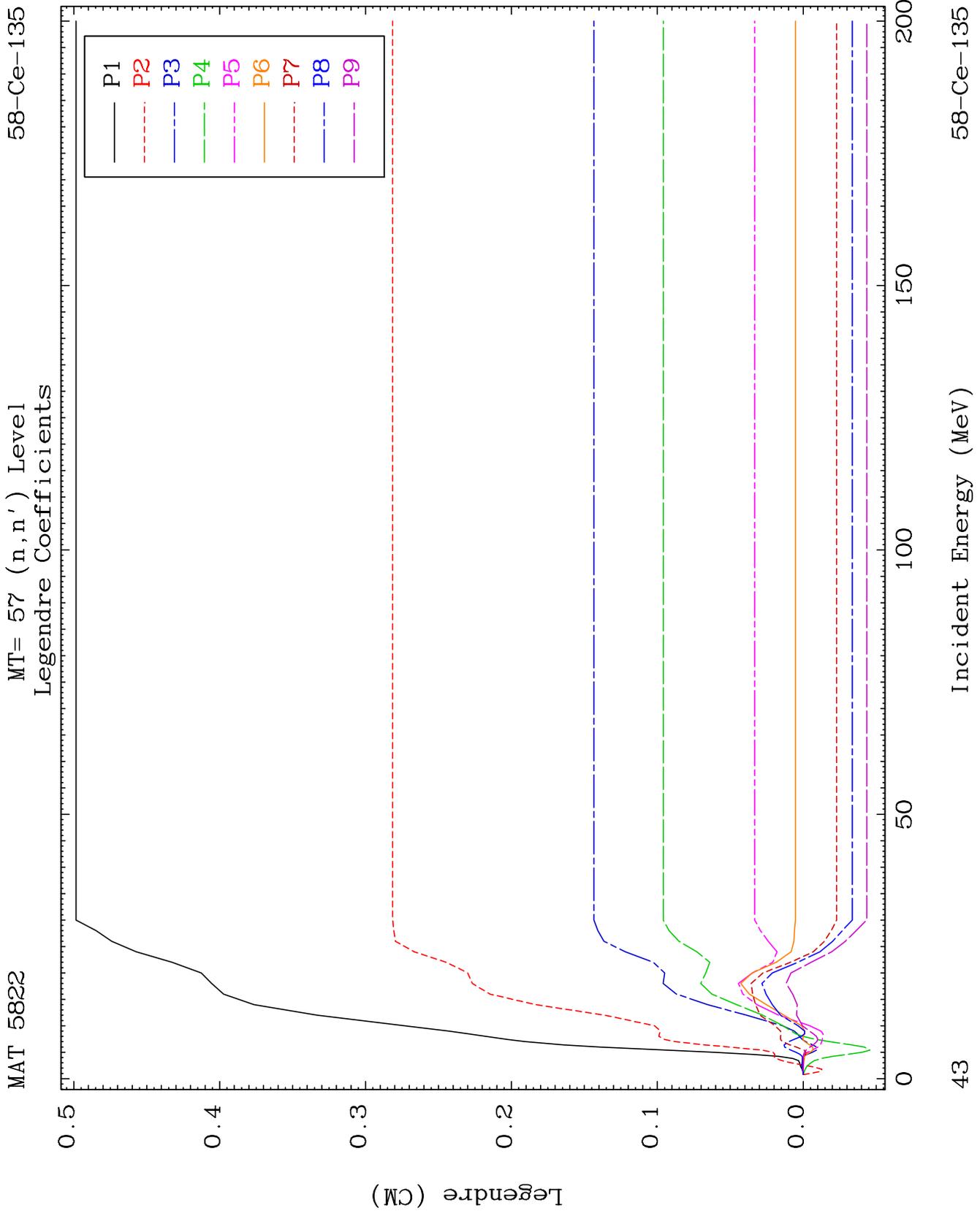


41

Incident Energy (MeV)

58-Ce-135





58-Ce-135

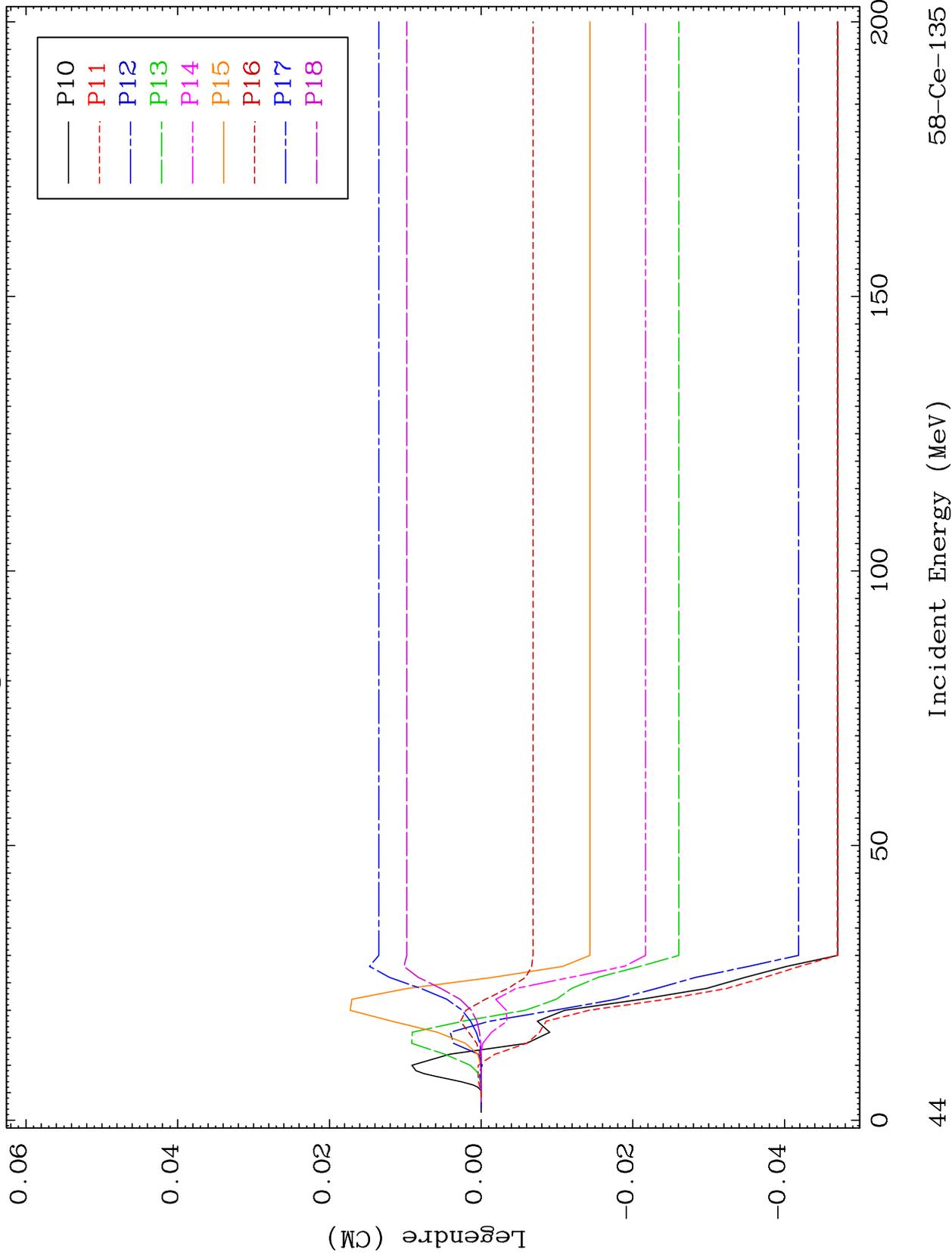
Incident Energy (MeV)

43

MAT 58222

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

58-Ce-135



44

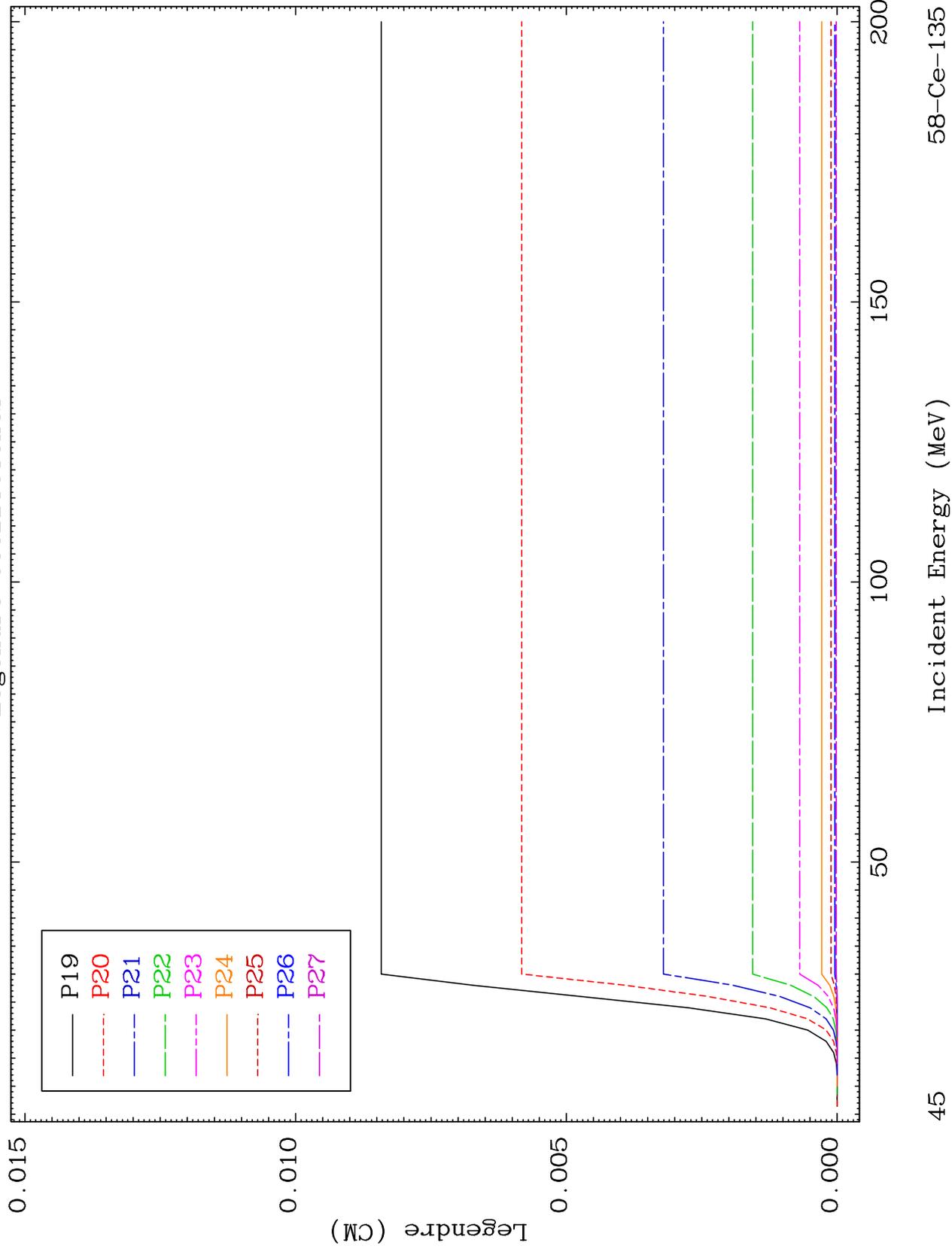
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

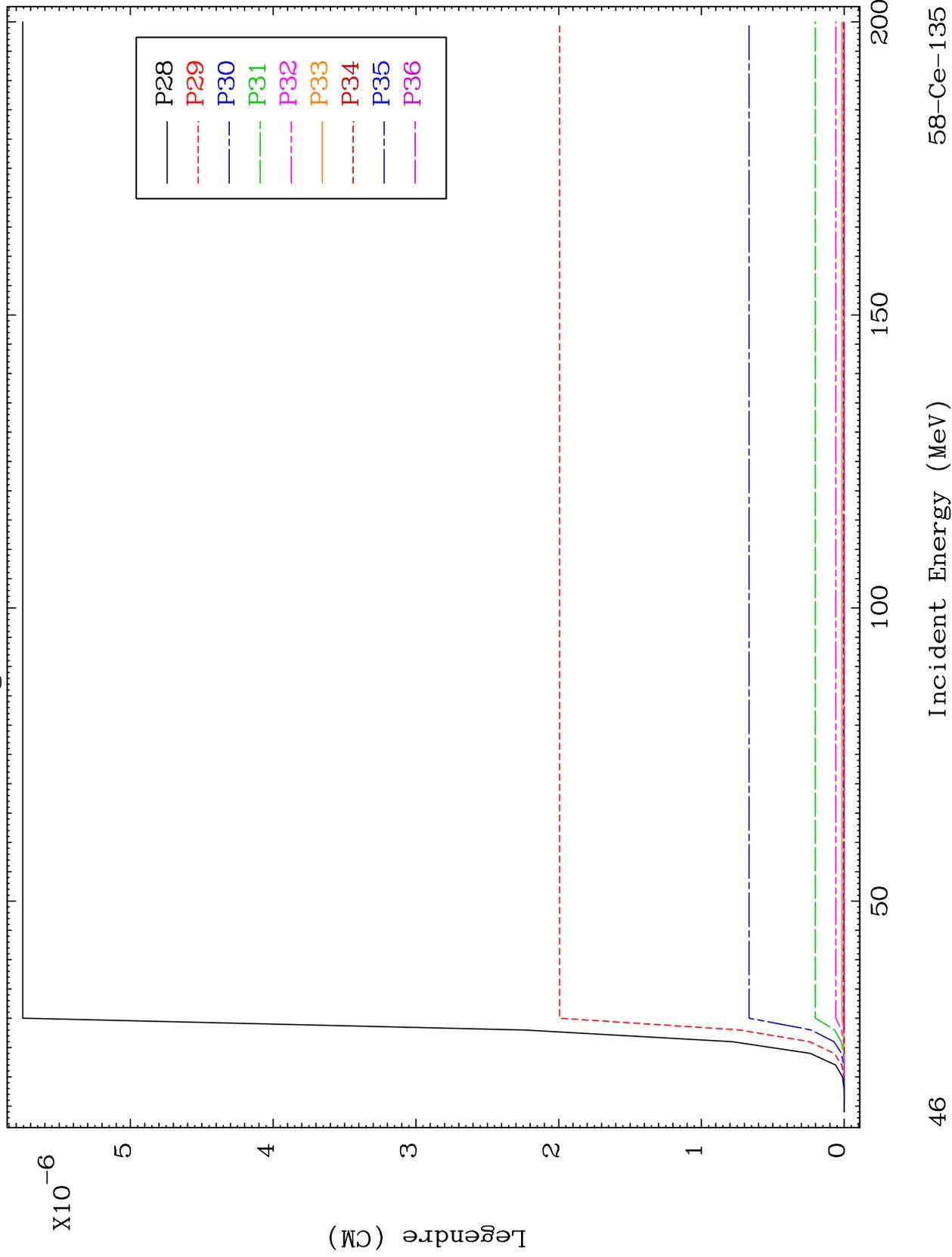
58-Ce-135



MAT 58222

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

58-Ce-135



46

Incident Energy (MeV)

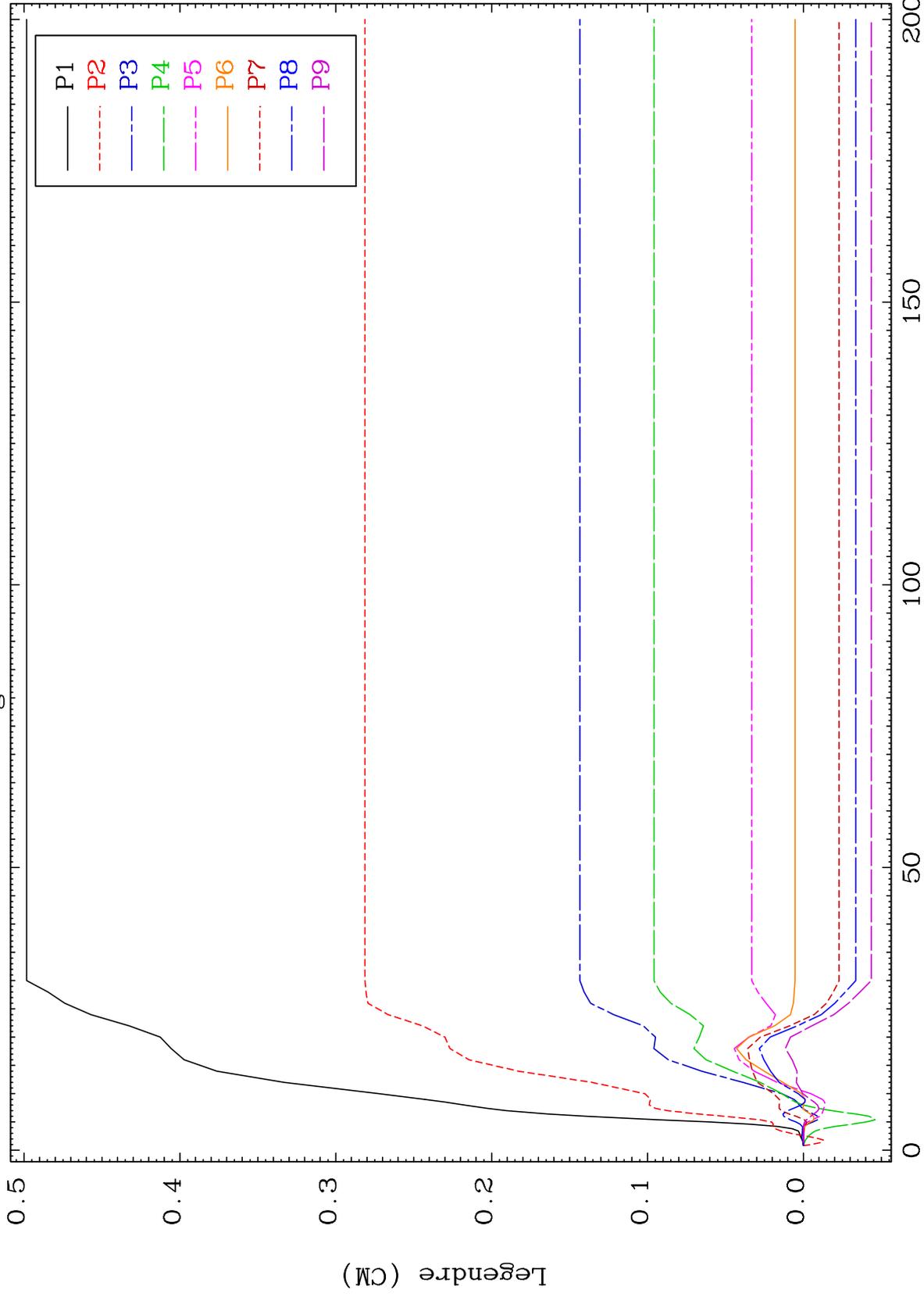
58-Ce-135

MAT 58222

MT= 58 (n,n') Level

58-Ce-135

Legendre Coefficients



47

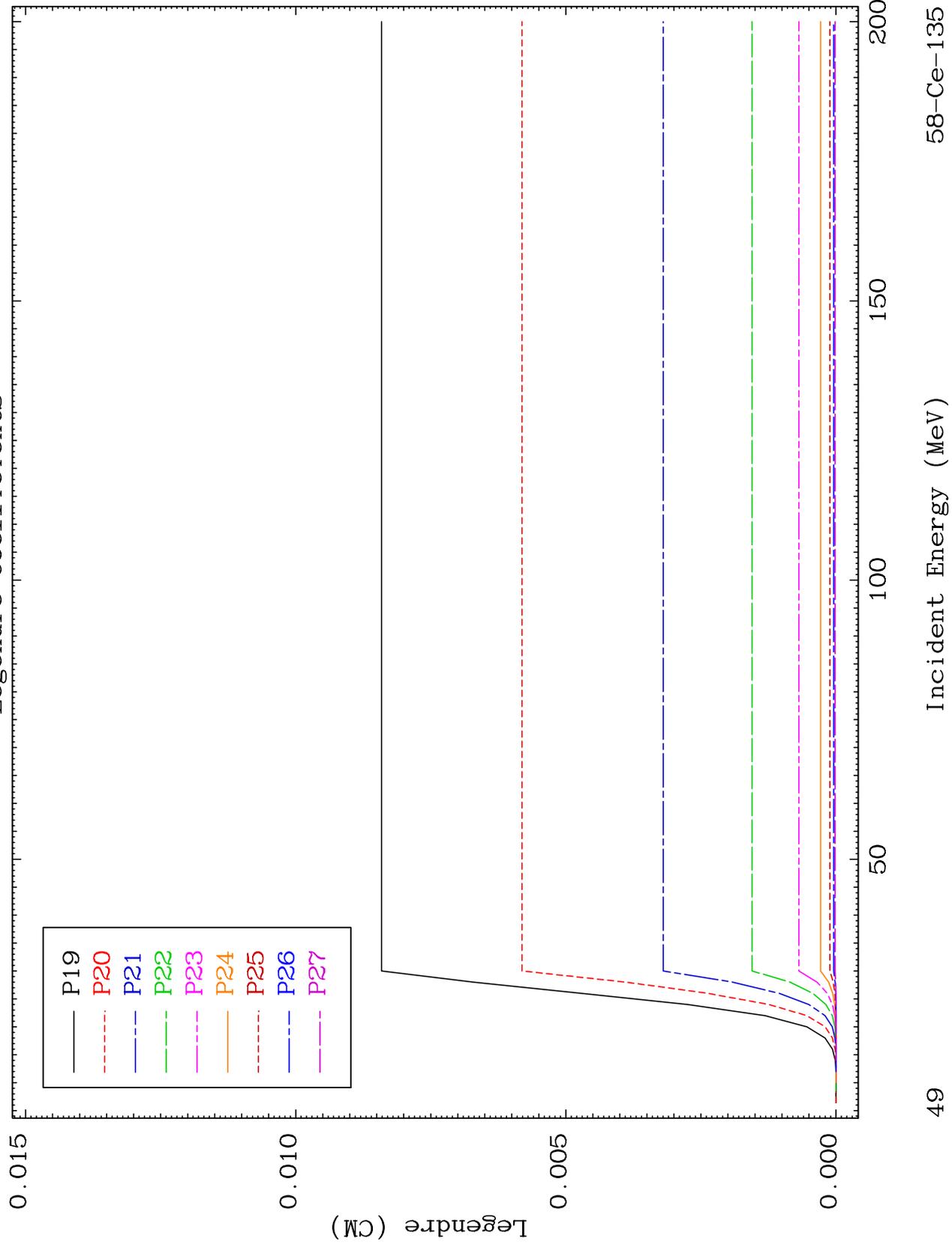
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

58-Ce-135



49

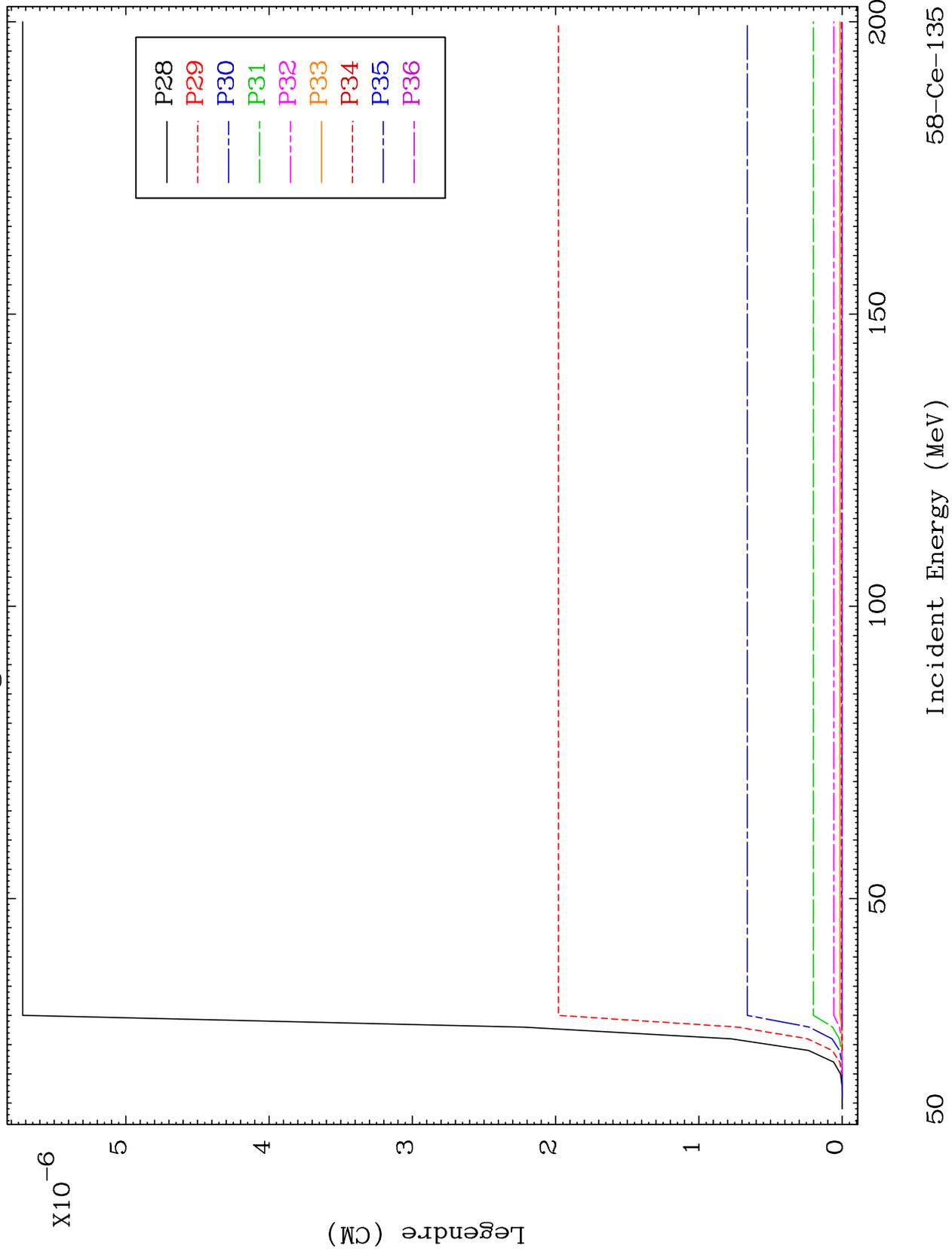
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

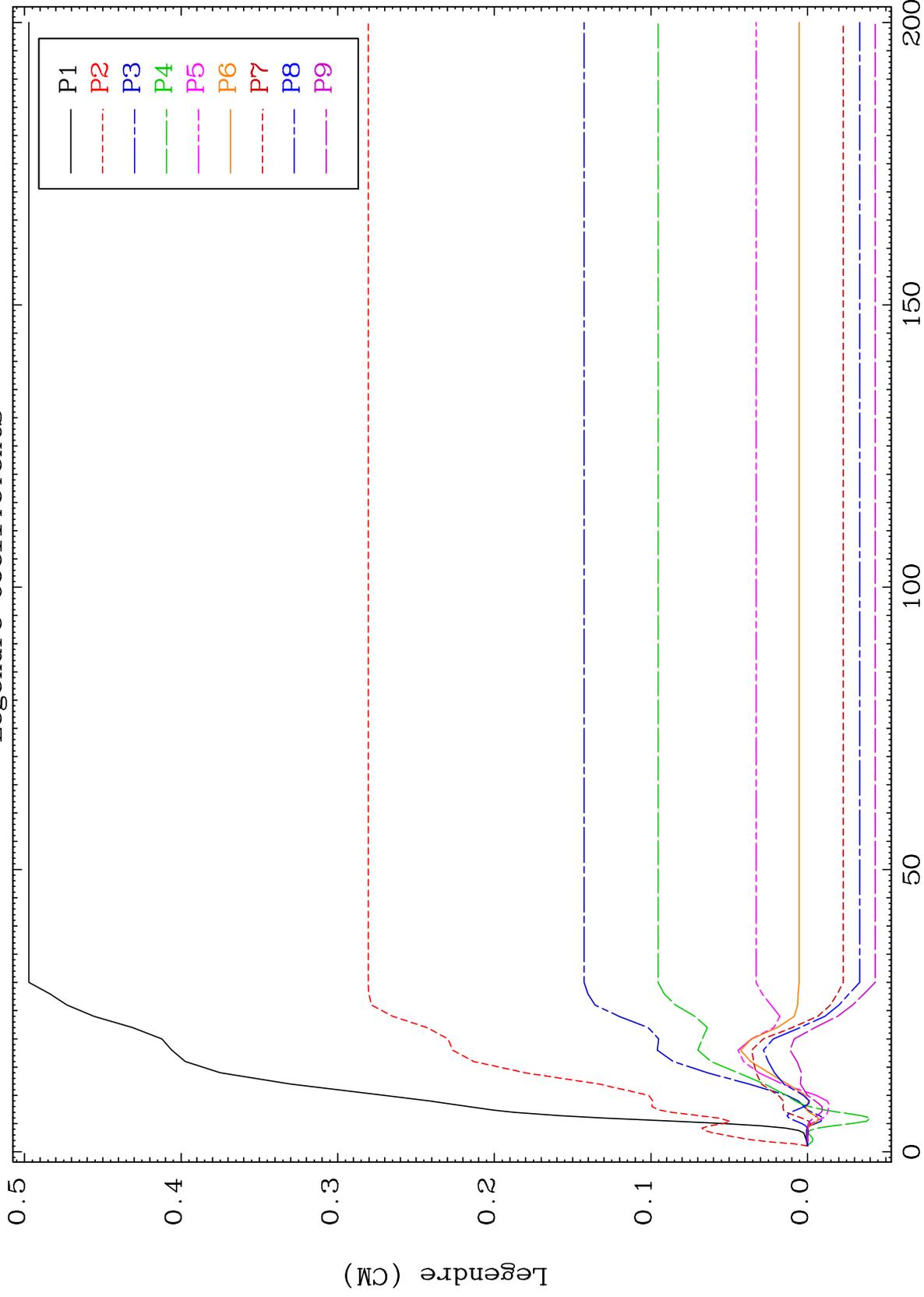
58-Ce-135



MAT 58222

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

58-Ce-135



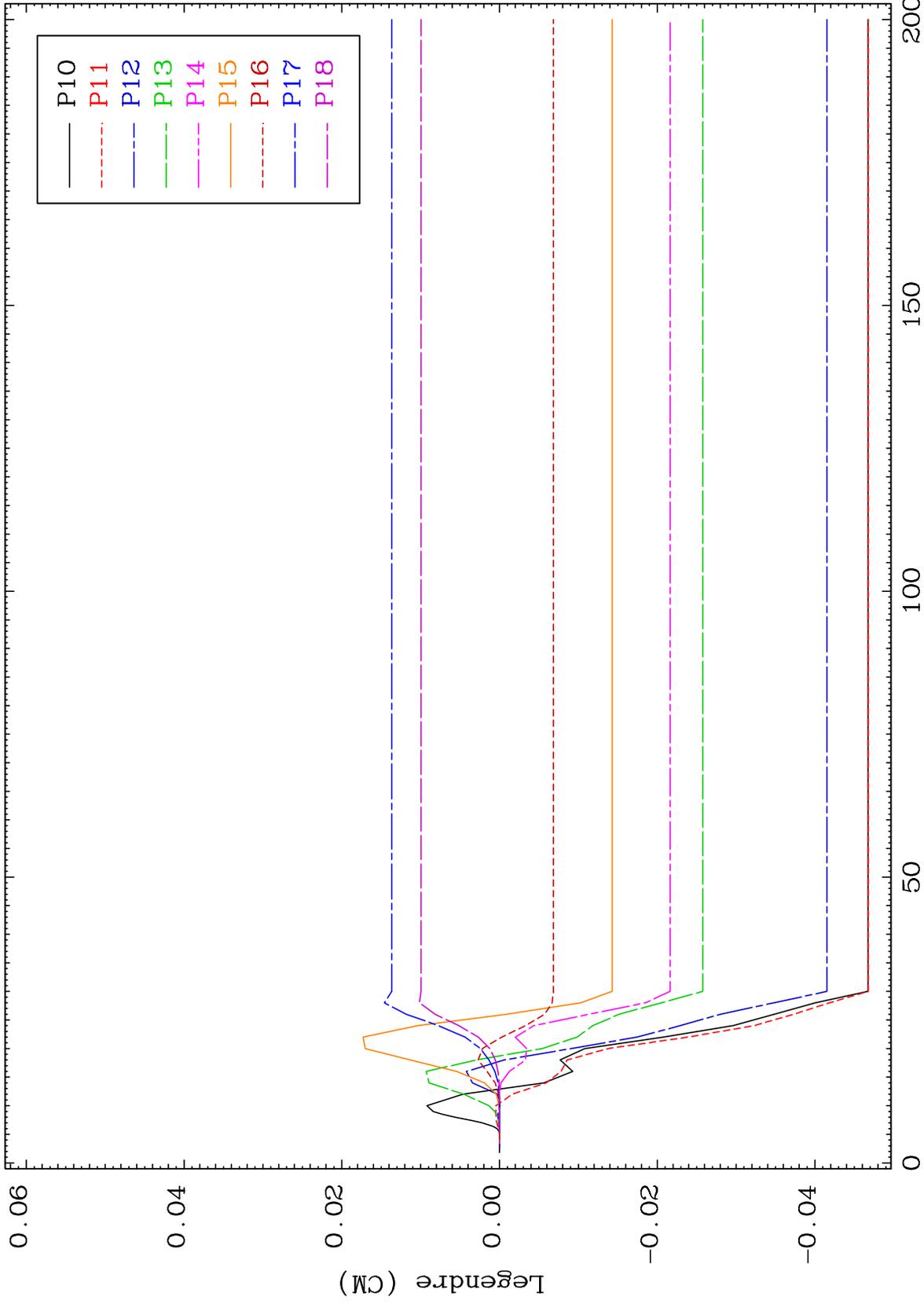
51

58-Ce-135

MAT 58222

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

58-Ce-135



52

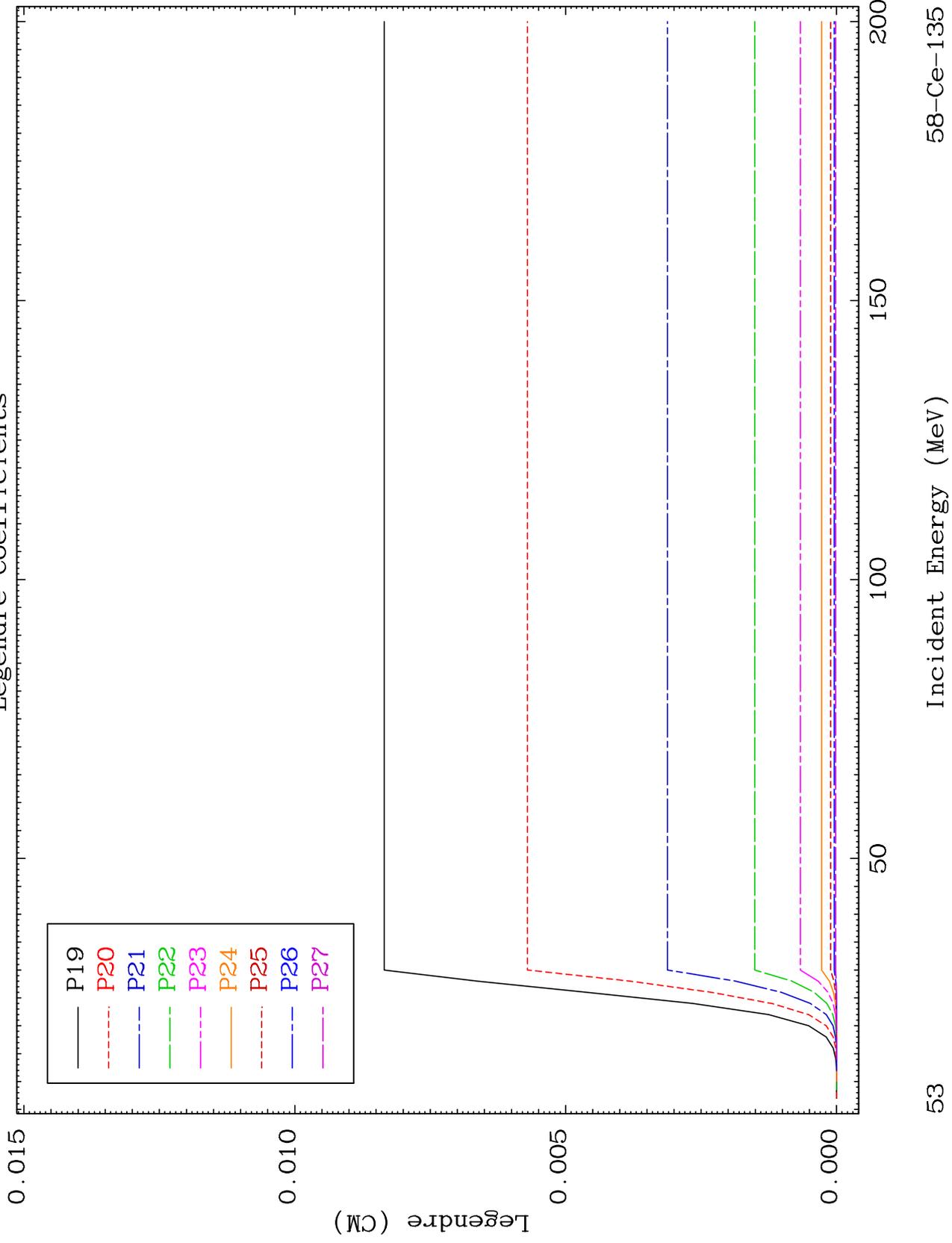
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

58-Ce-135



53

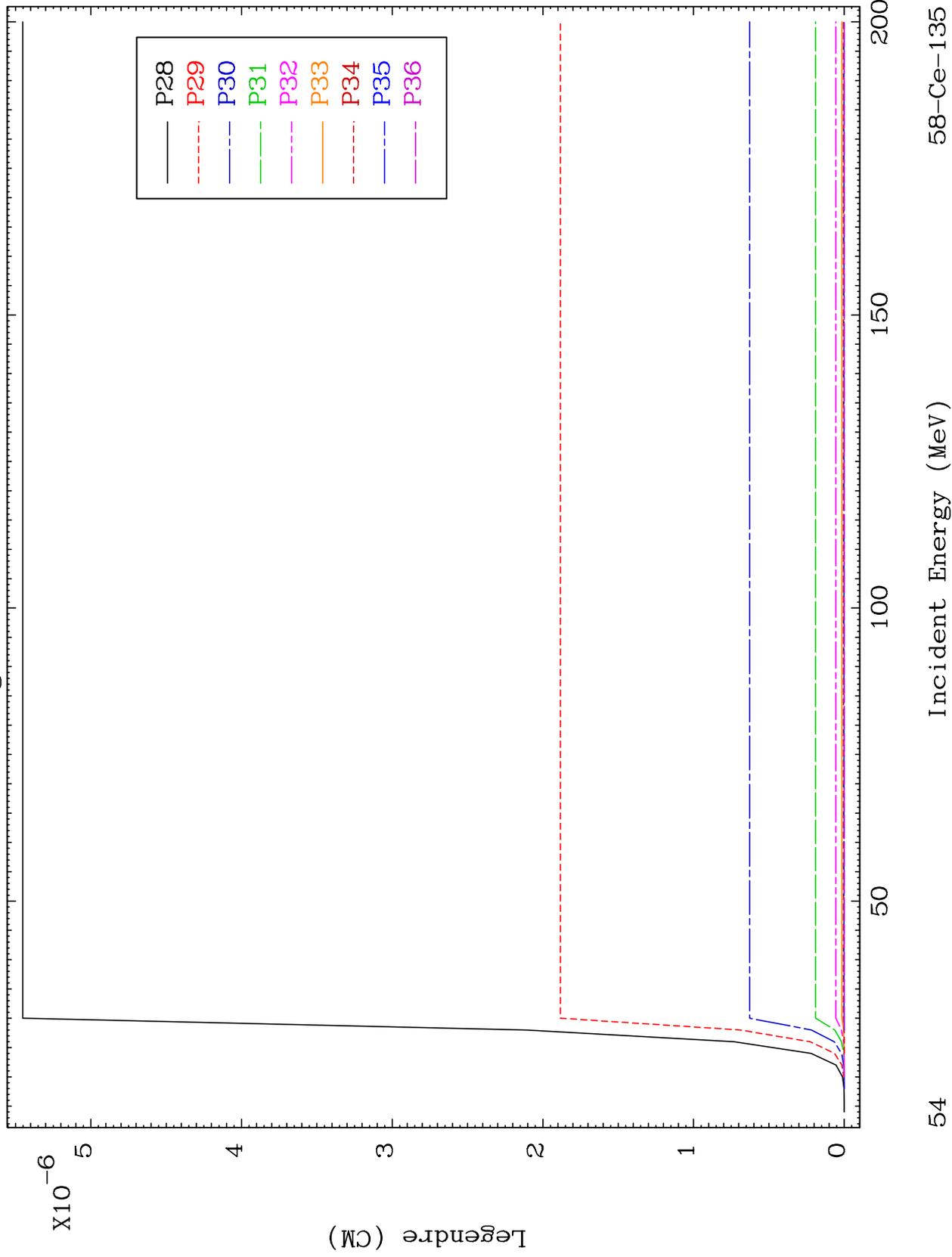
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

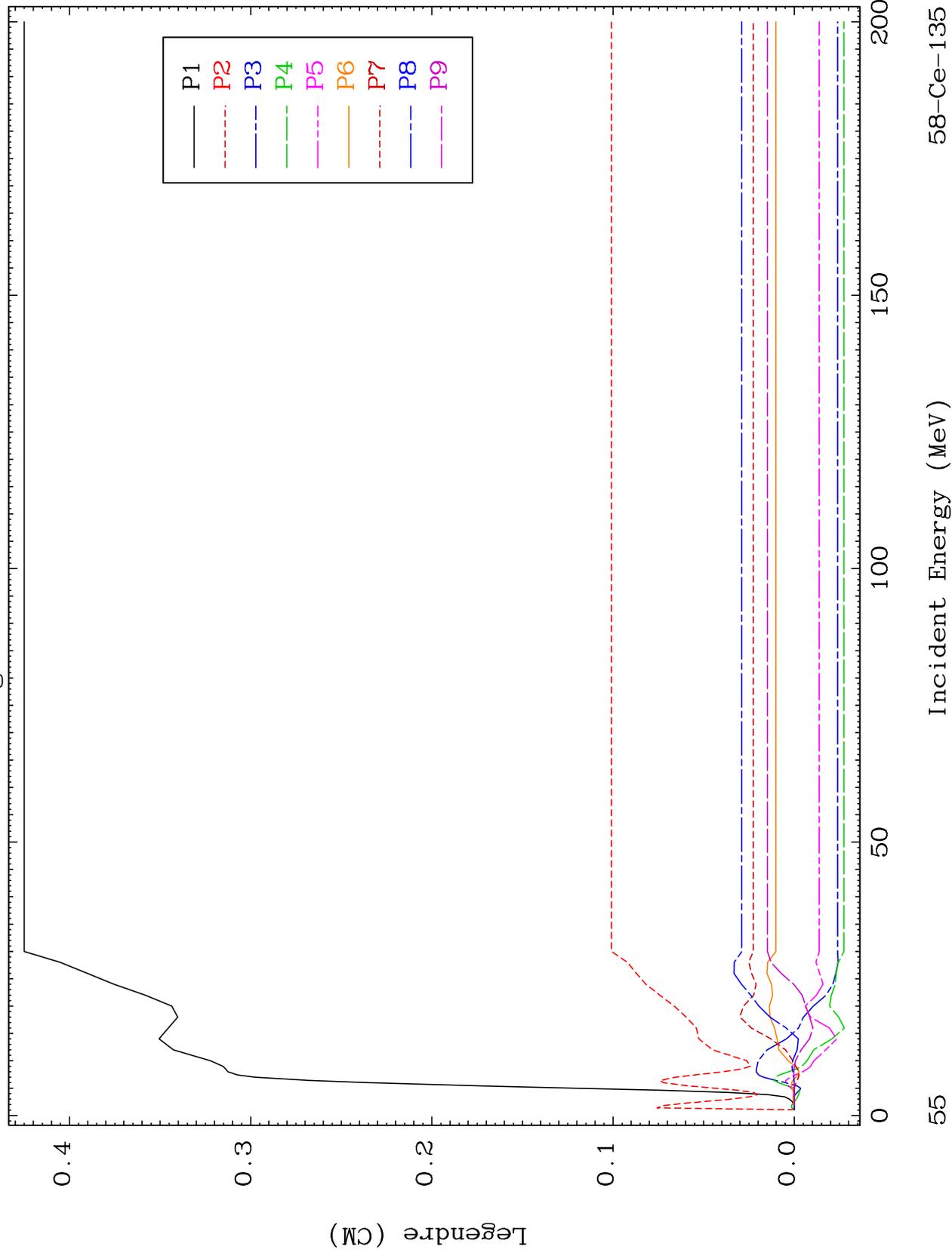
58-Ce-135



MAT 58222

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

58-Ce-135



58-Ce-135

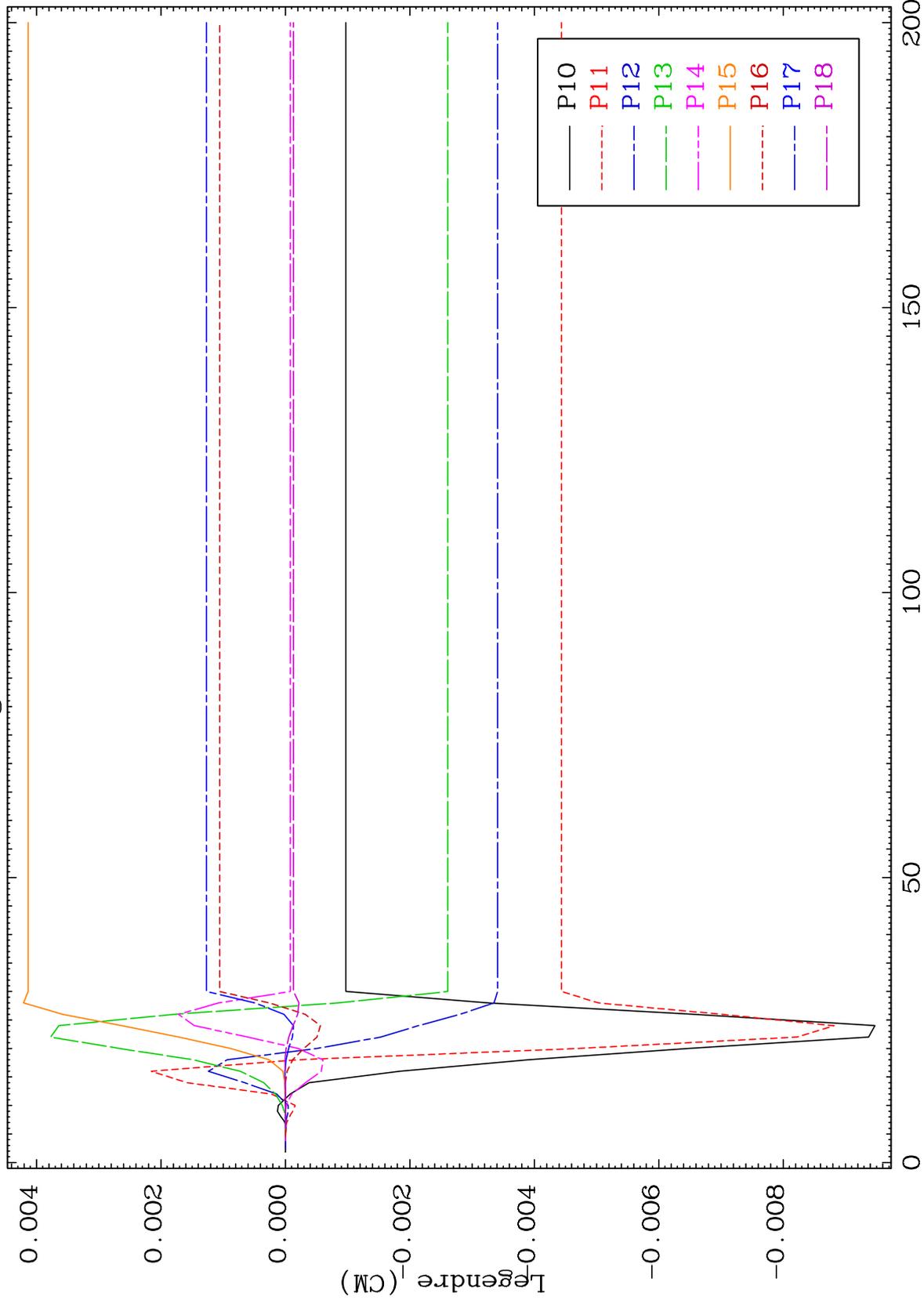
Incident Energy (MeV)

55

MAT 58222

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

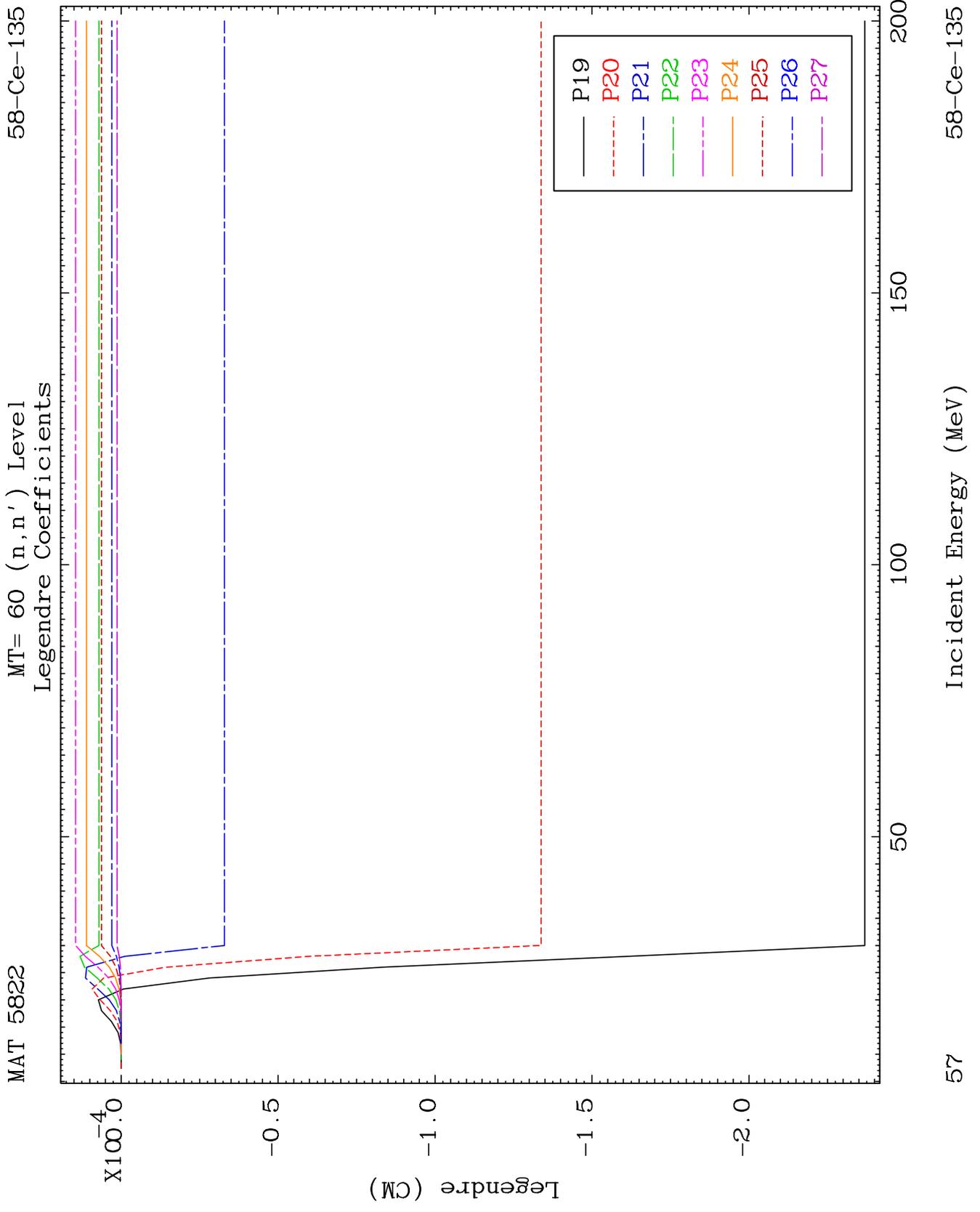
58-Ce-135



56

Incident Energy (MeV)

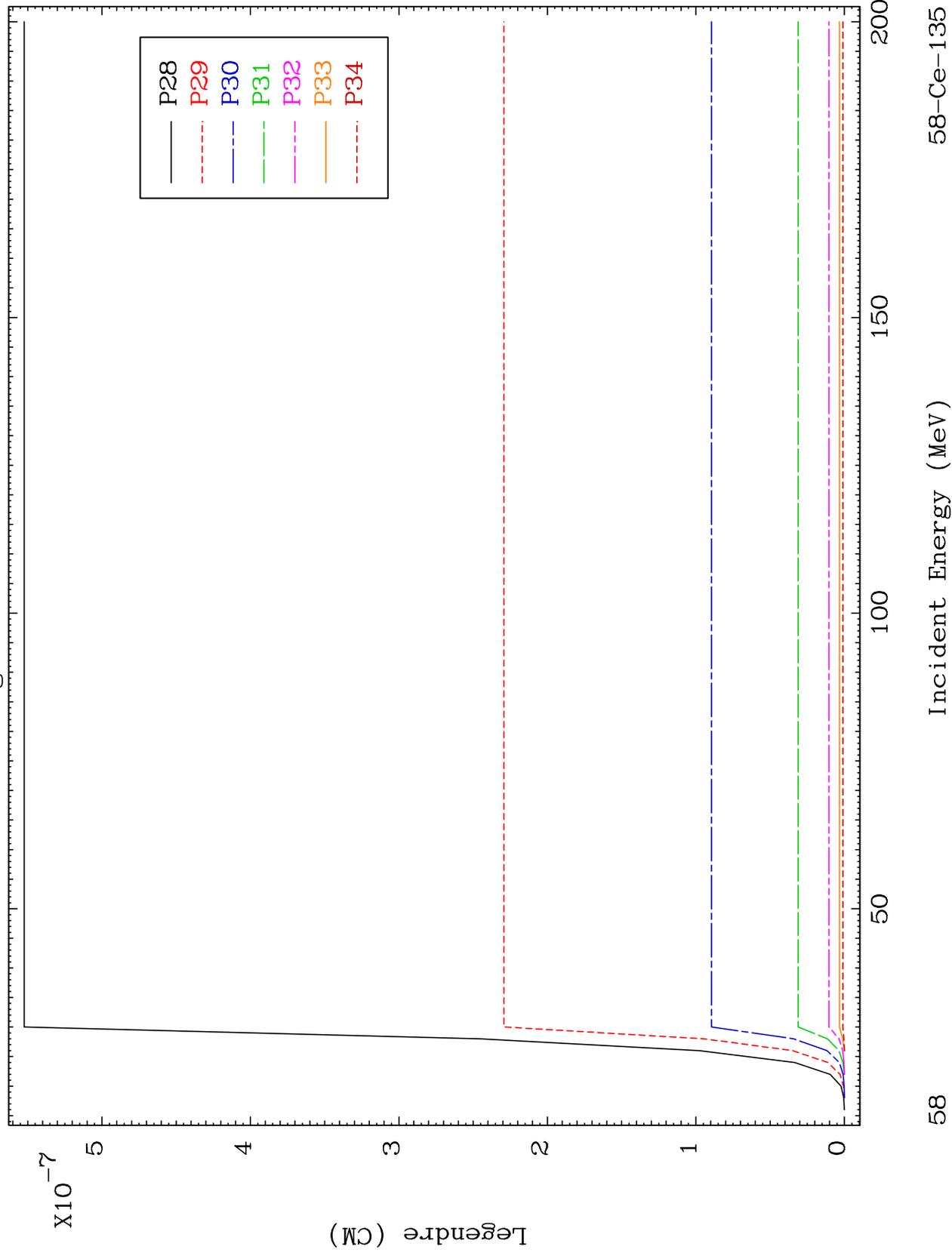
58-Ce-135



MAT 5822

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

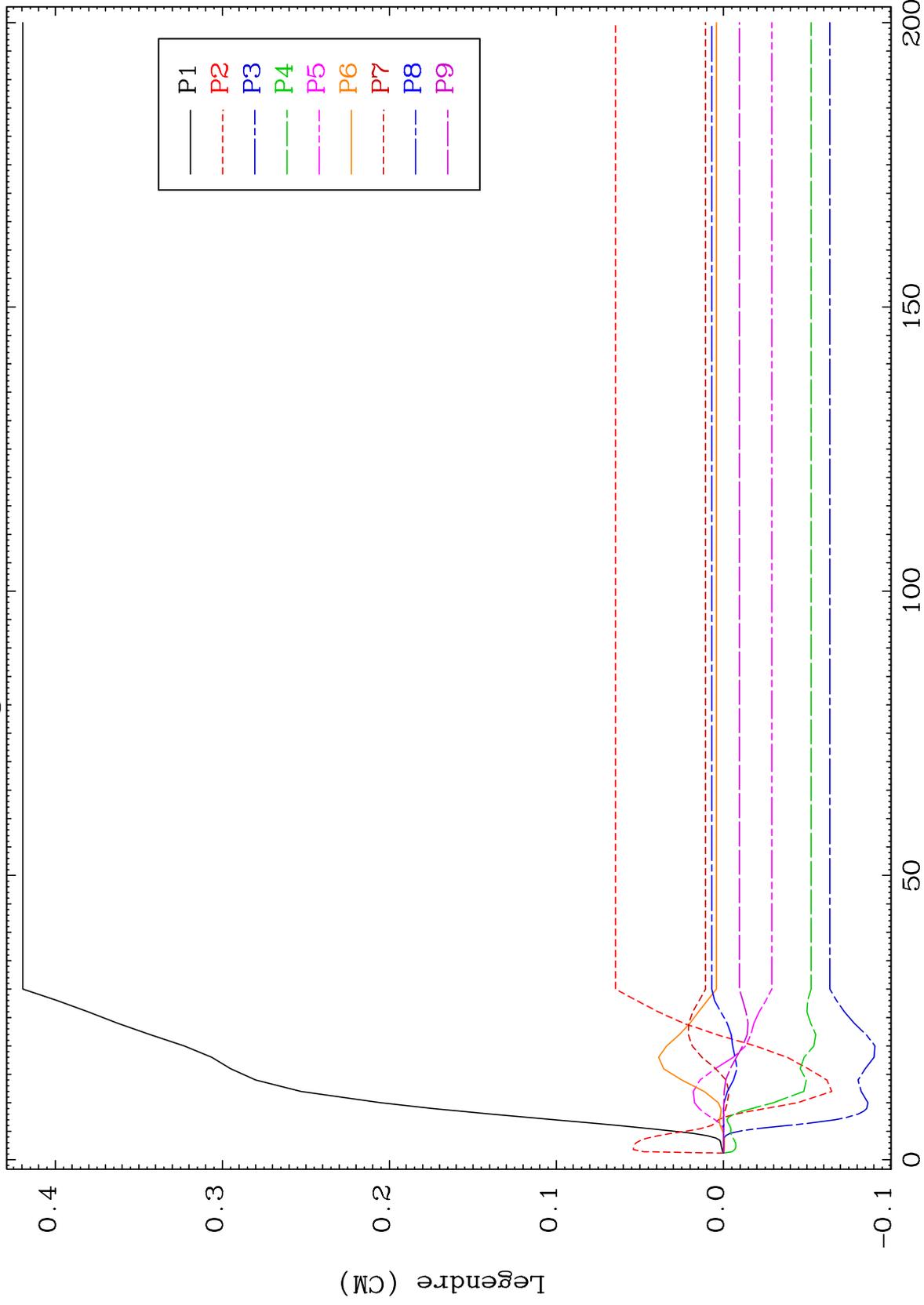
58-Ce-135



MAT 58222

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

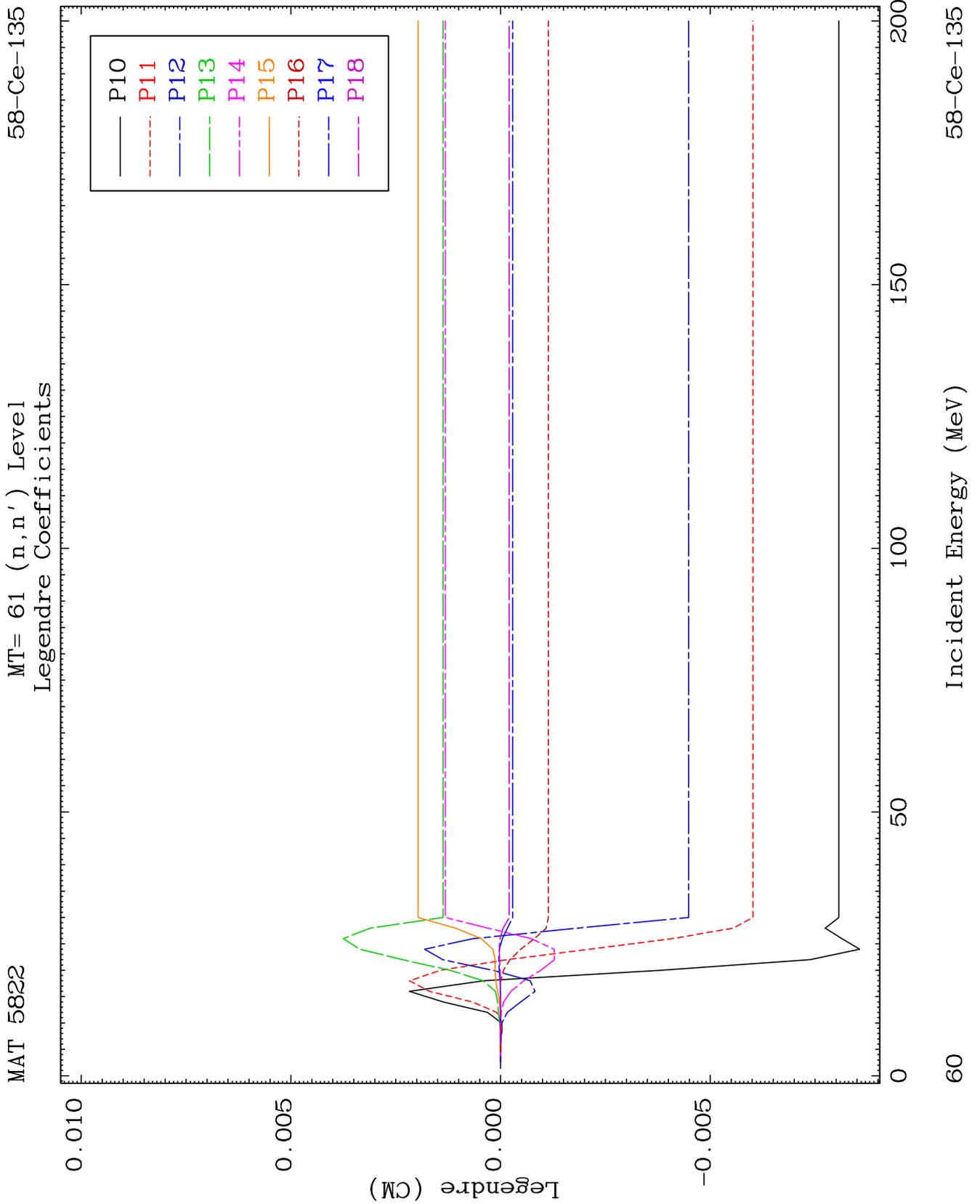
58-Ce-135



59

Incident Energy (MeV)

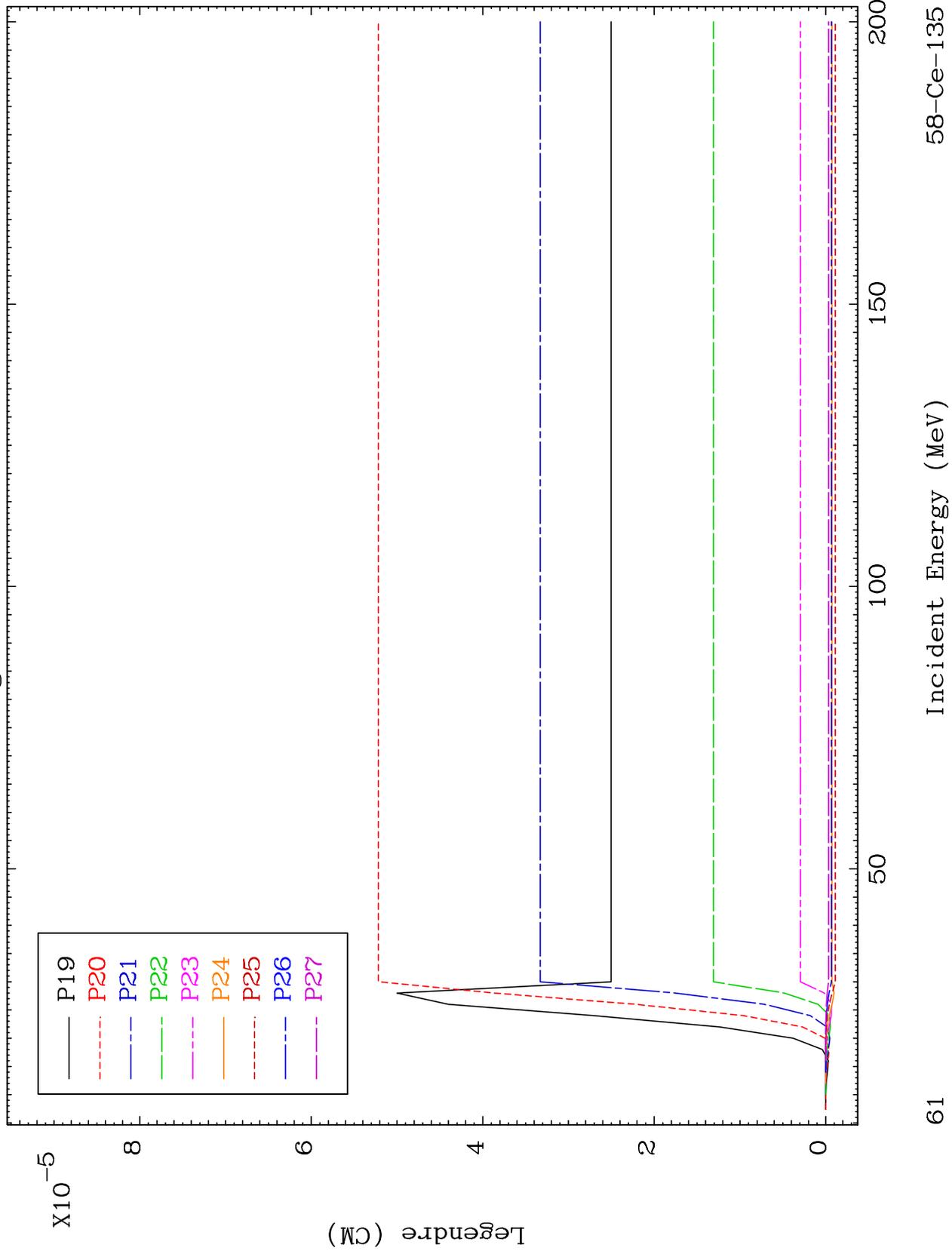
58-Ce-135

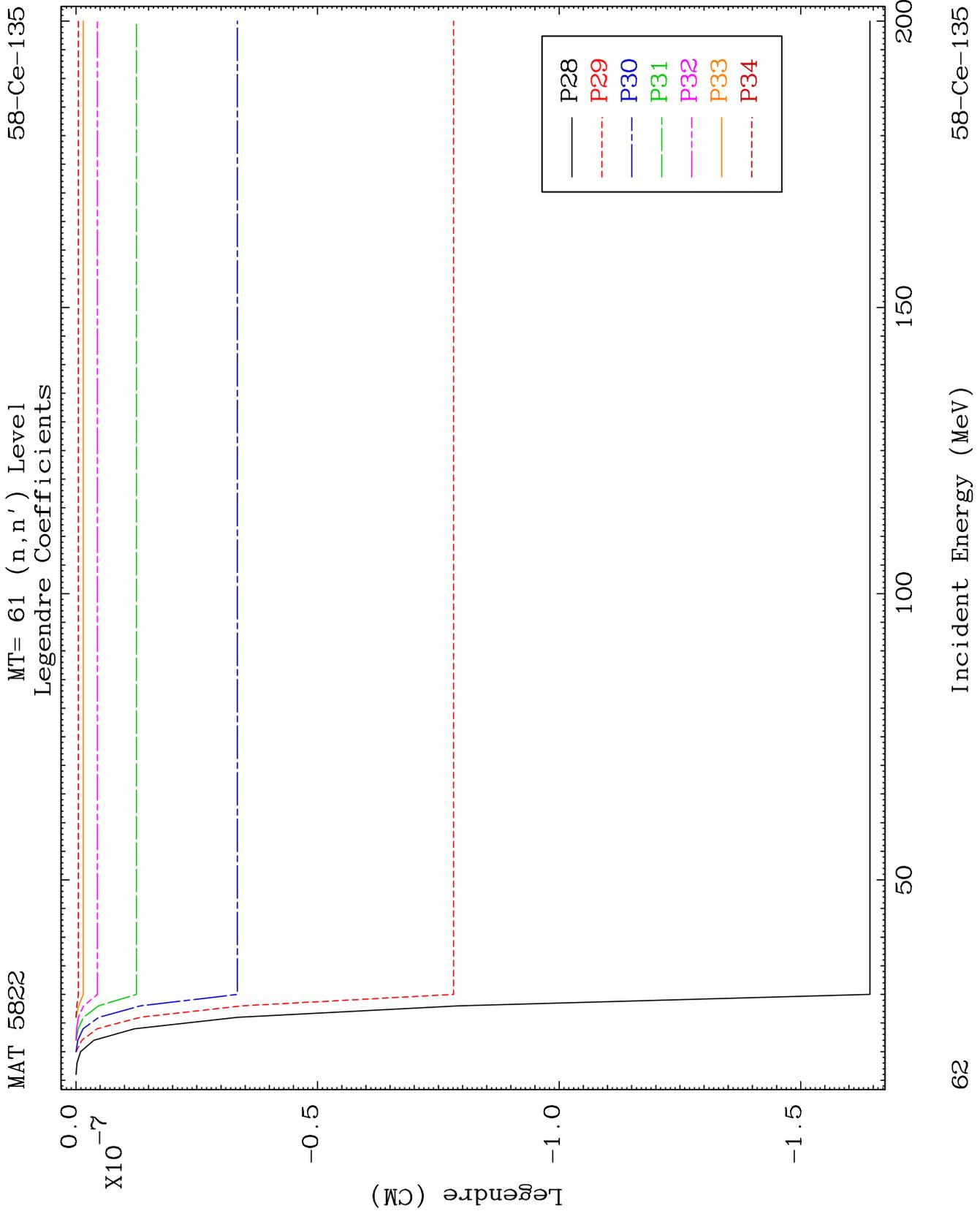


MAT 58222

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

58-Ce-135

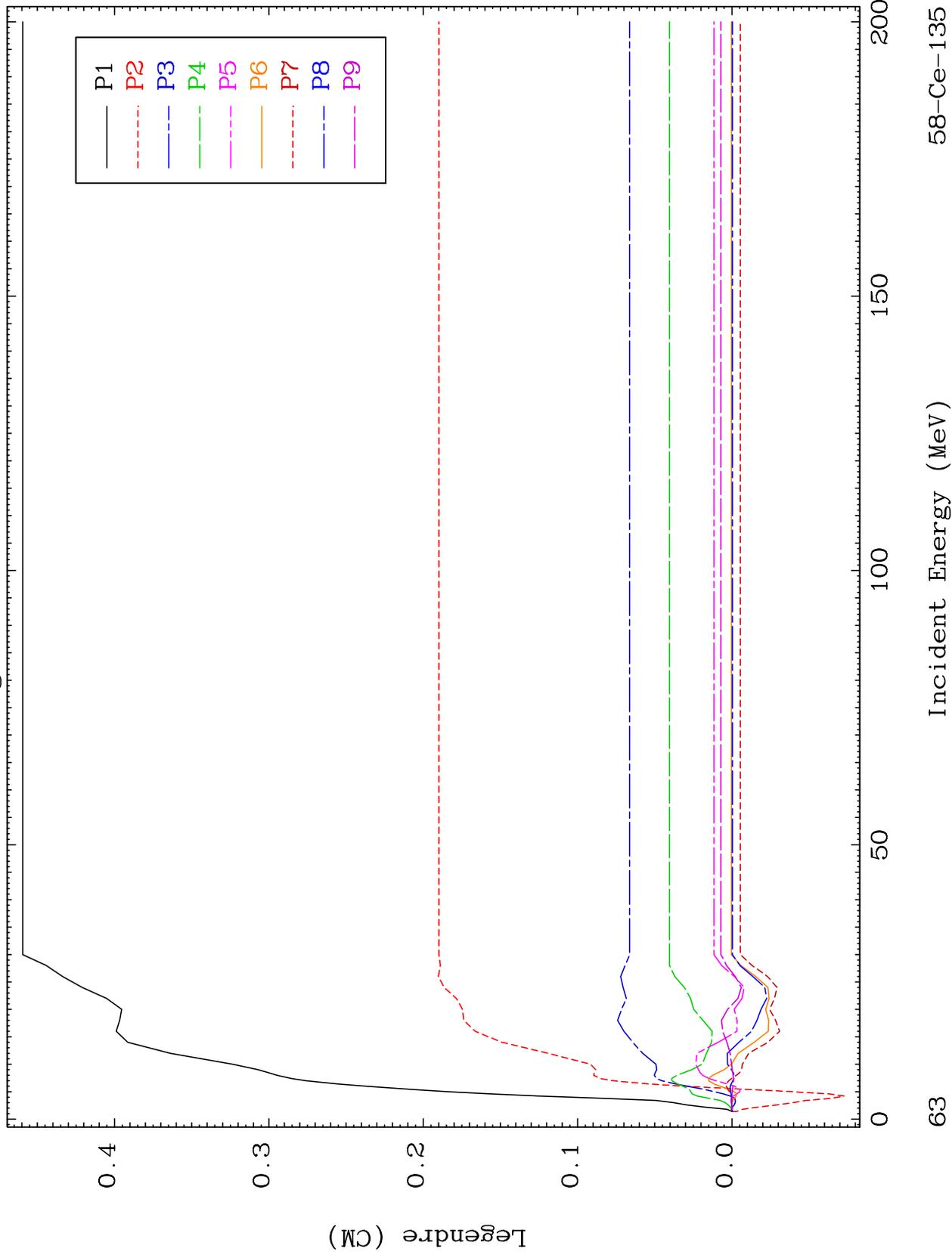




MAT 5822

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

58-Ce-135



58-Ce-135

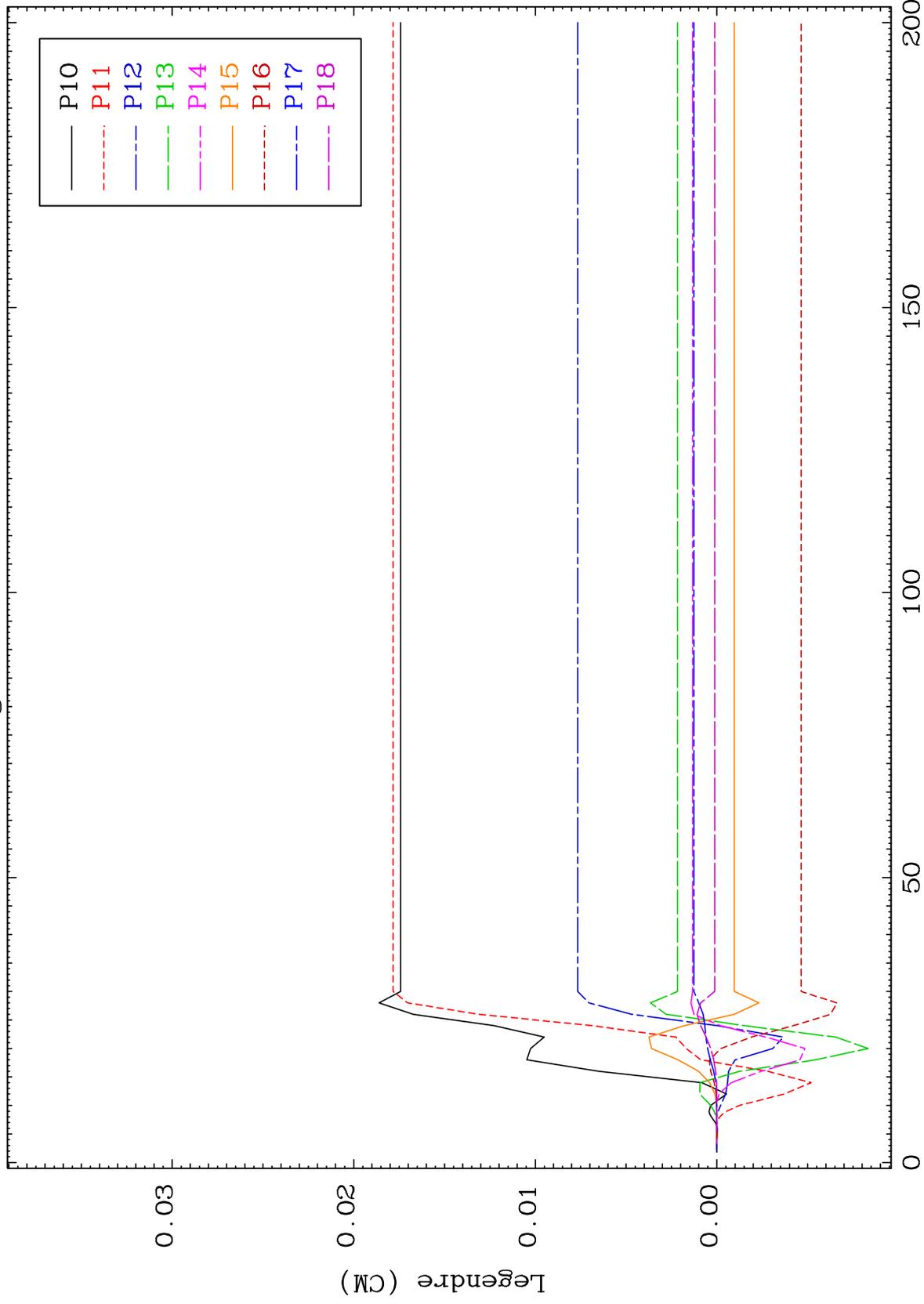
Incident Energy (MeV)

63

MAT 58222

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

58-Ce-135



64

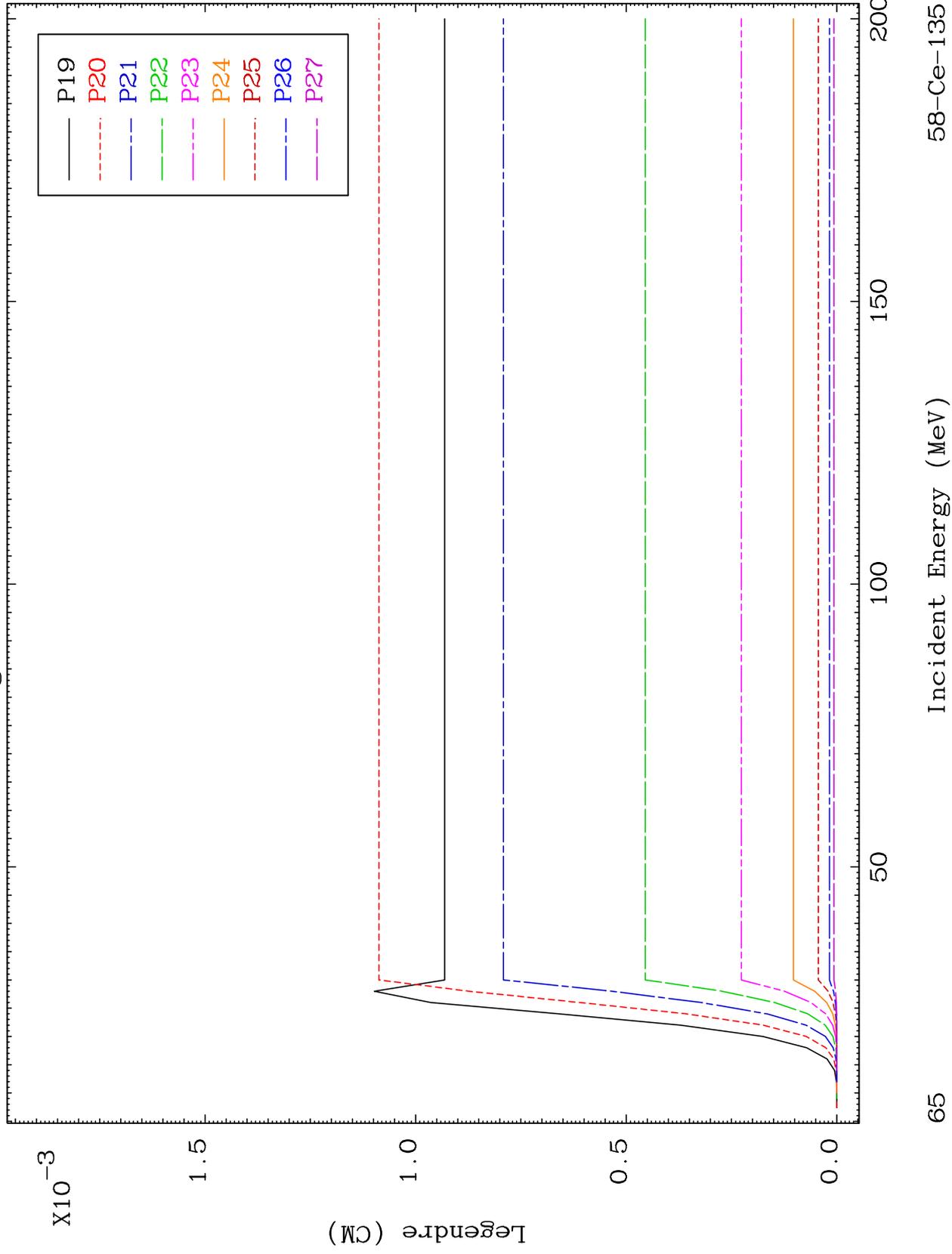
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



65

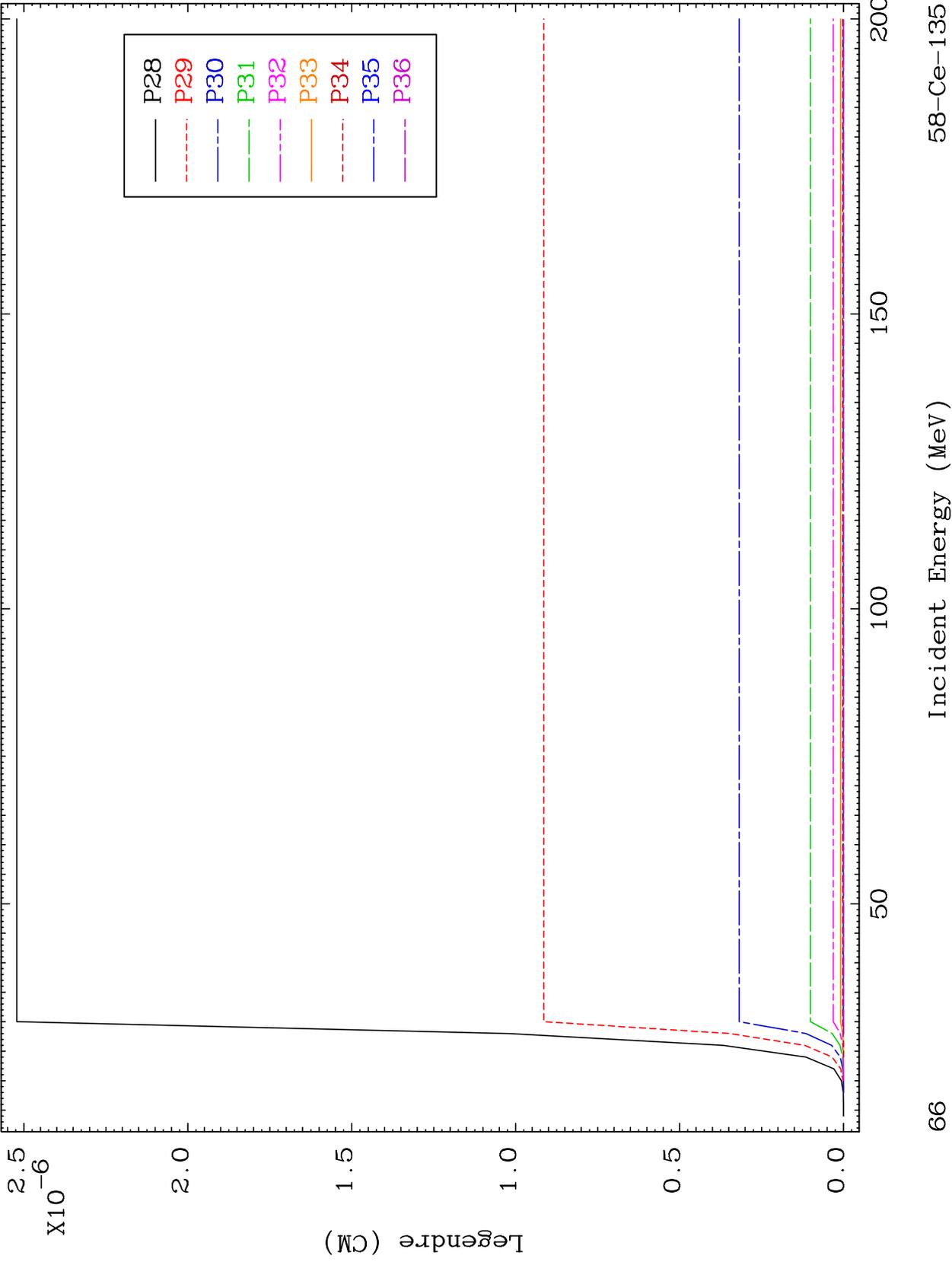
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

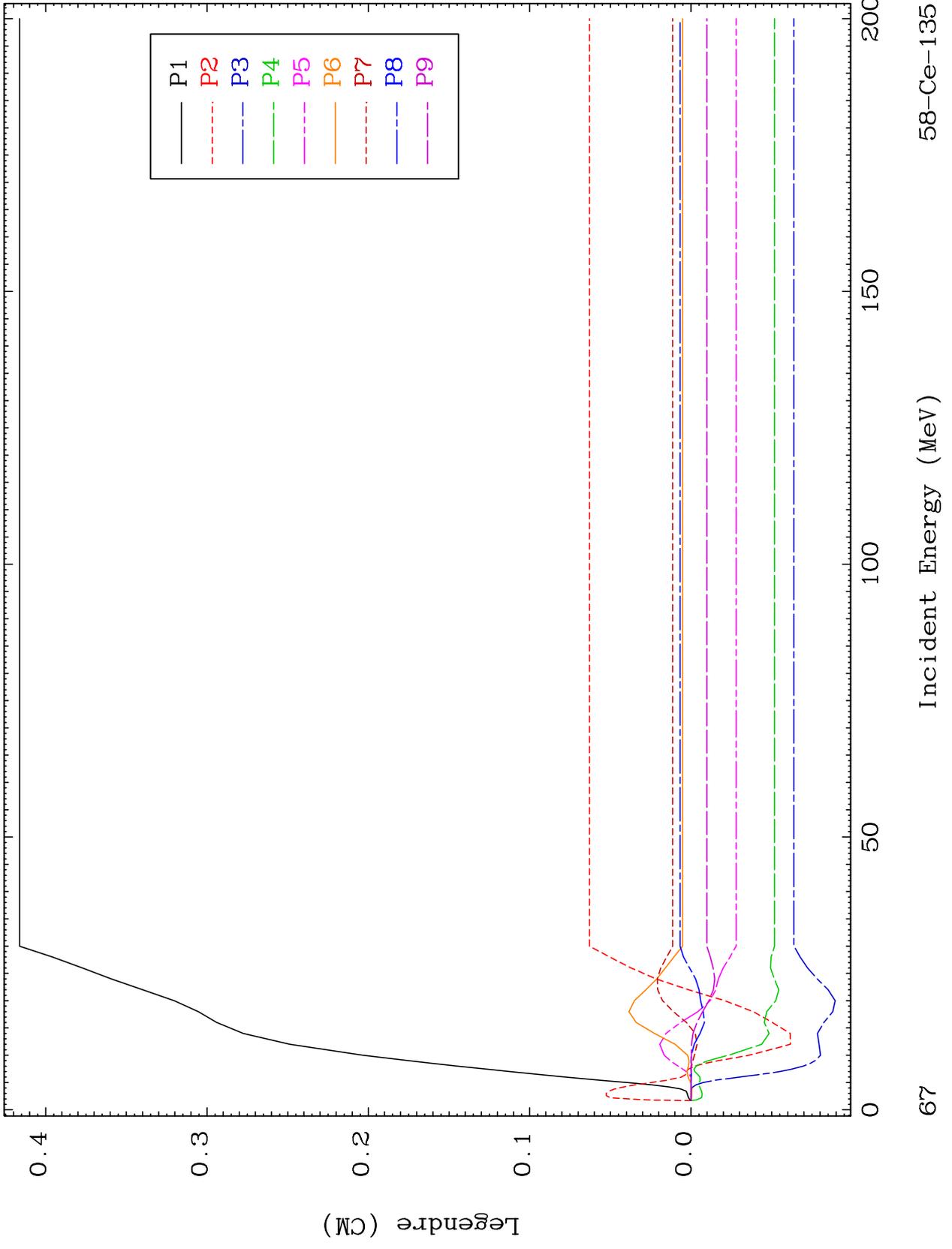
58-Ce-135

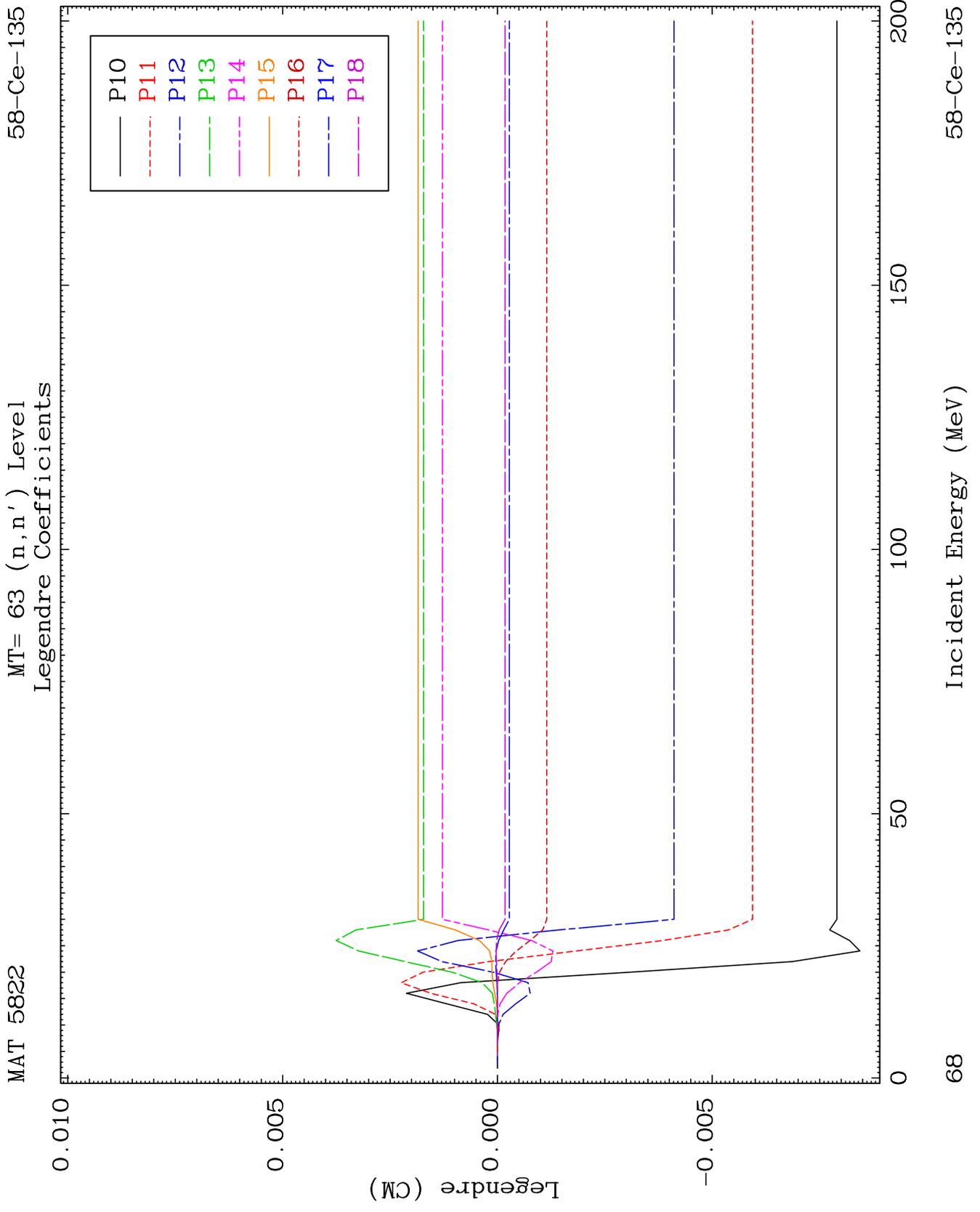


MAT 58222

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

58-Ce-135

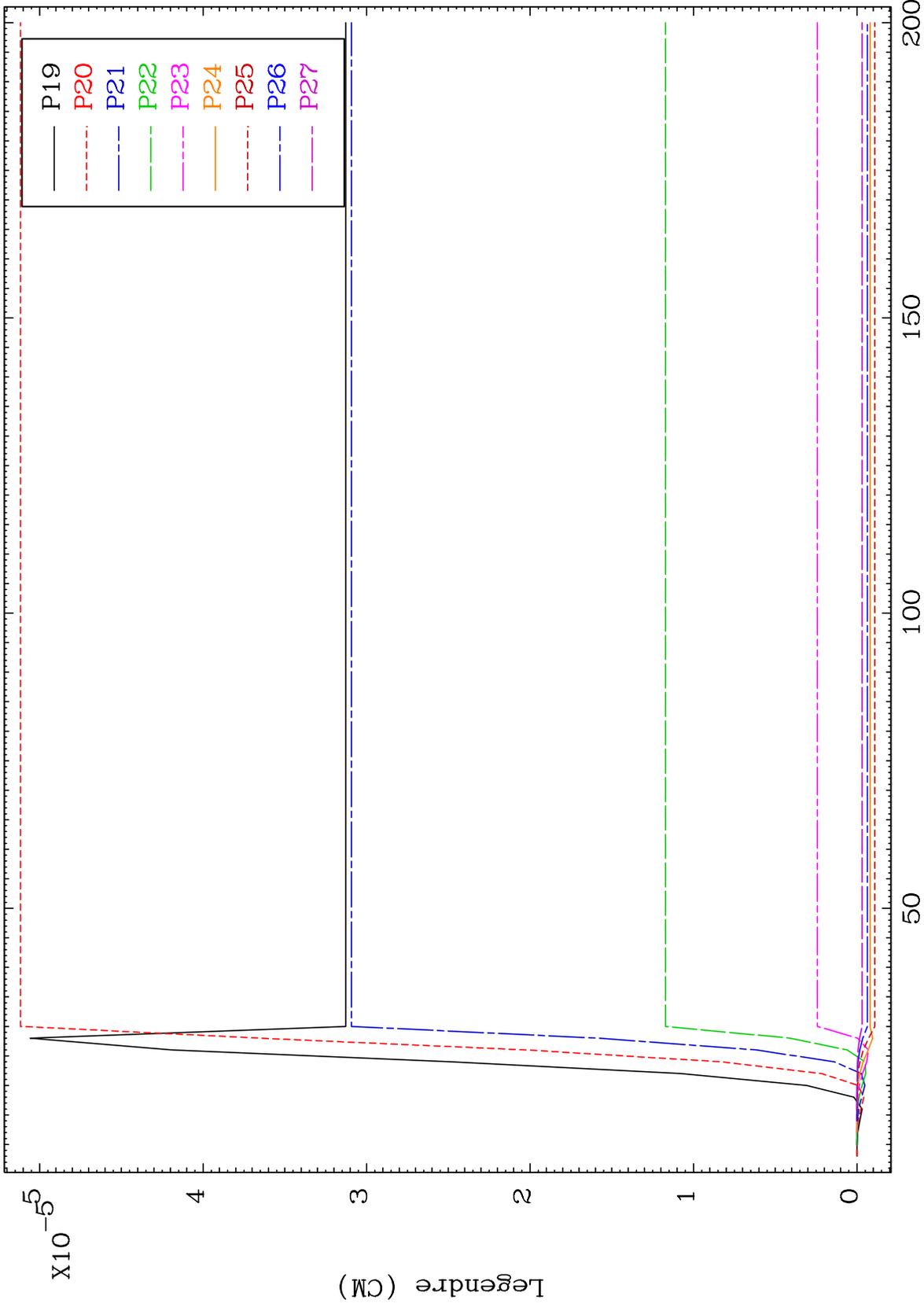




MAT 58222

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

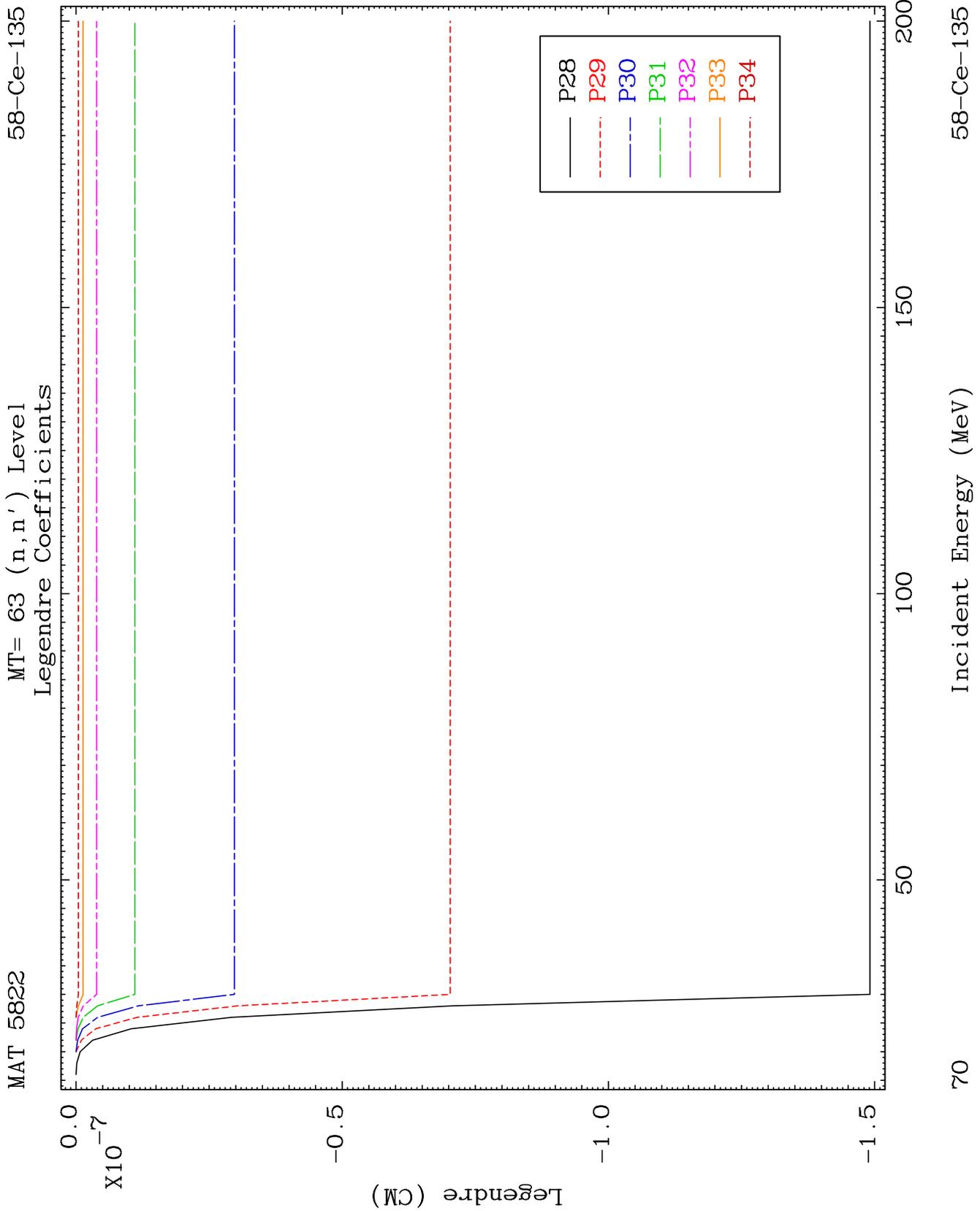
58-Ce-135



69

Incident Energy (MeV)

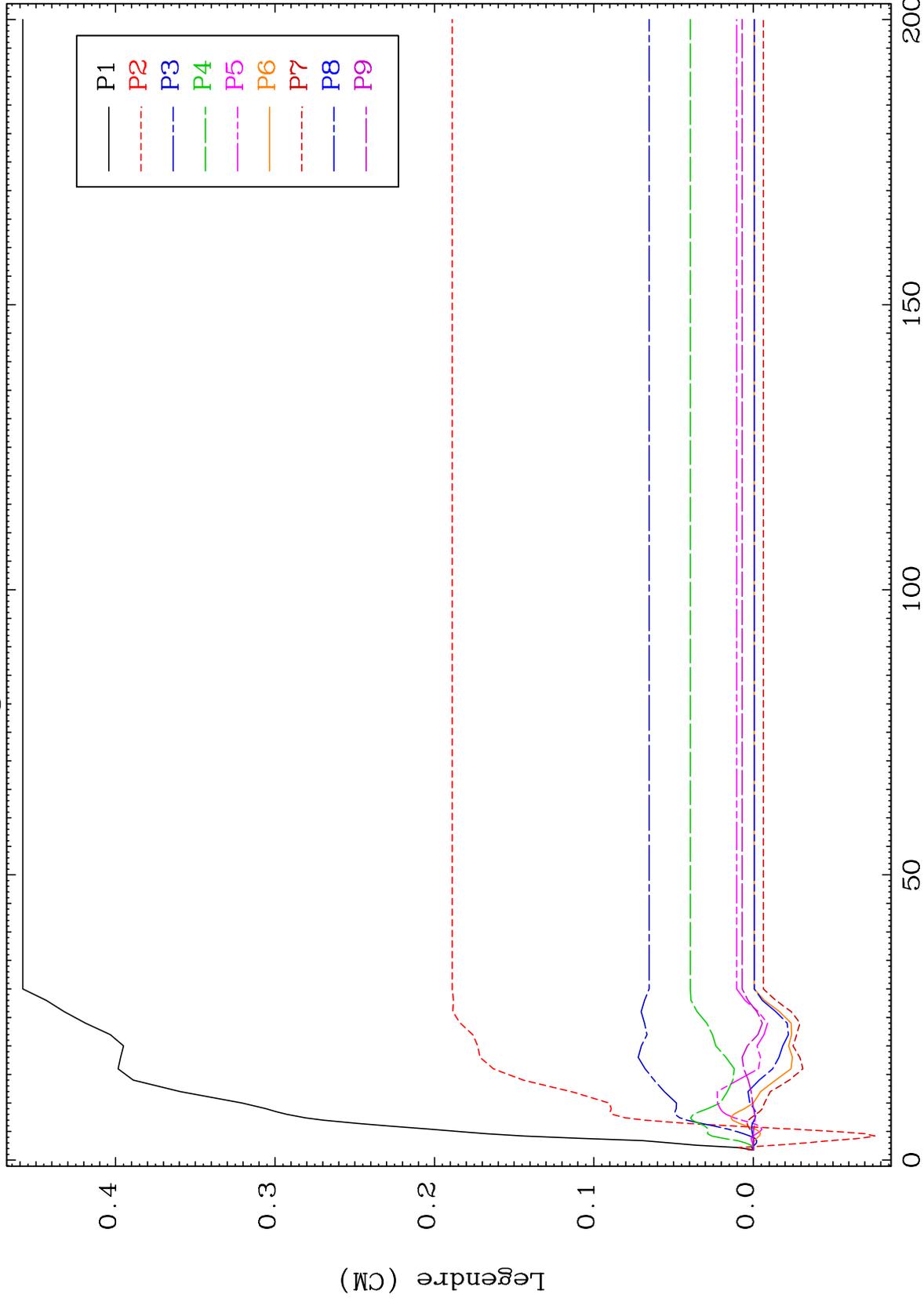
58-Ce-135



MAT 58222

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

58-Ce-135



71

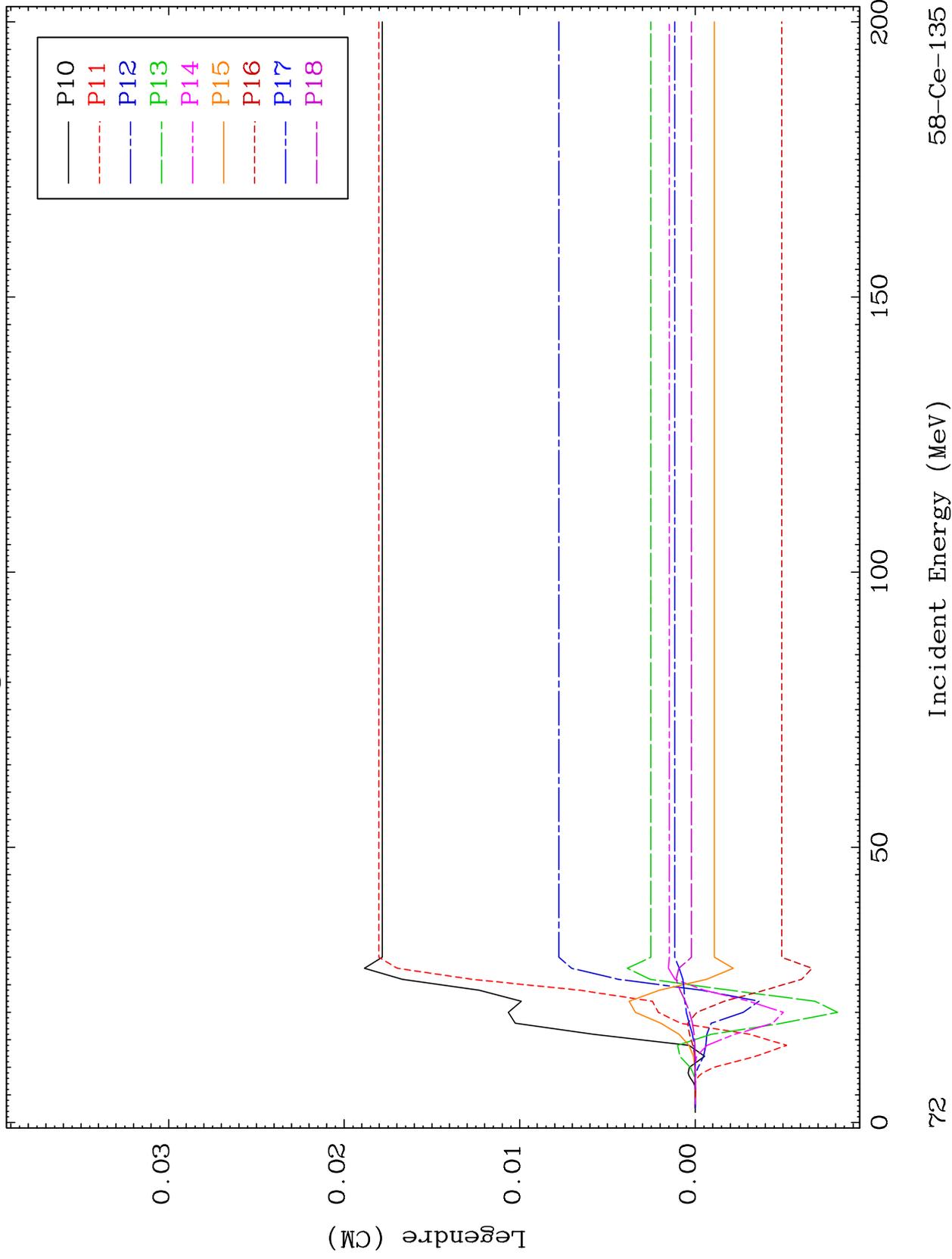
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

58-Ce-135



58-Ce-135

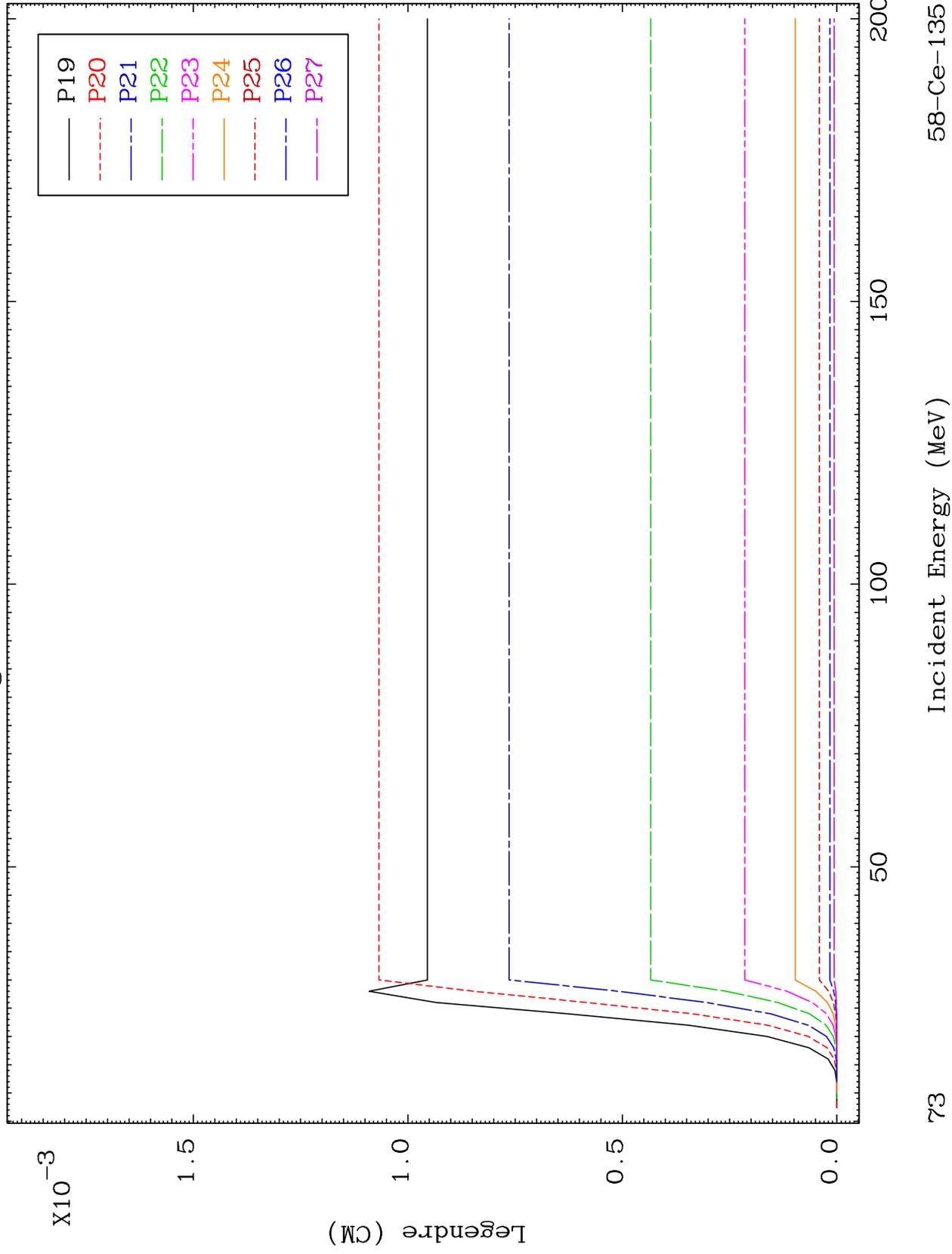
Incident Energy (MeV)

72

MAT 5822

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

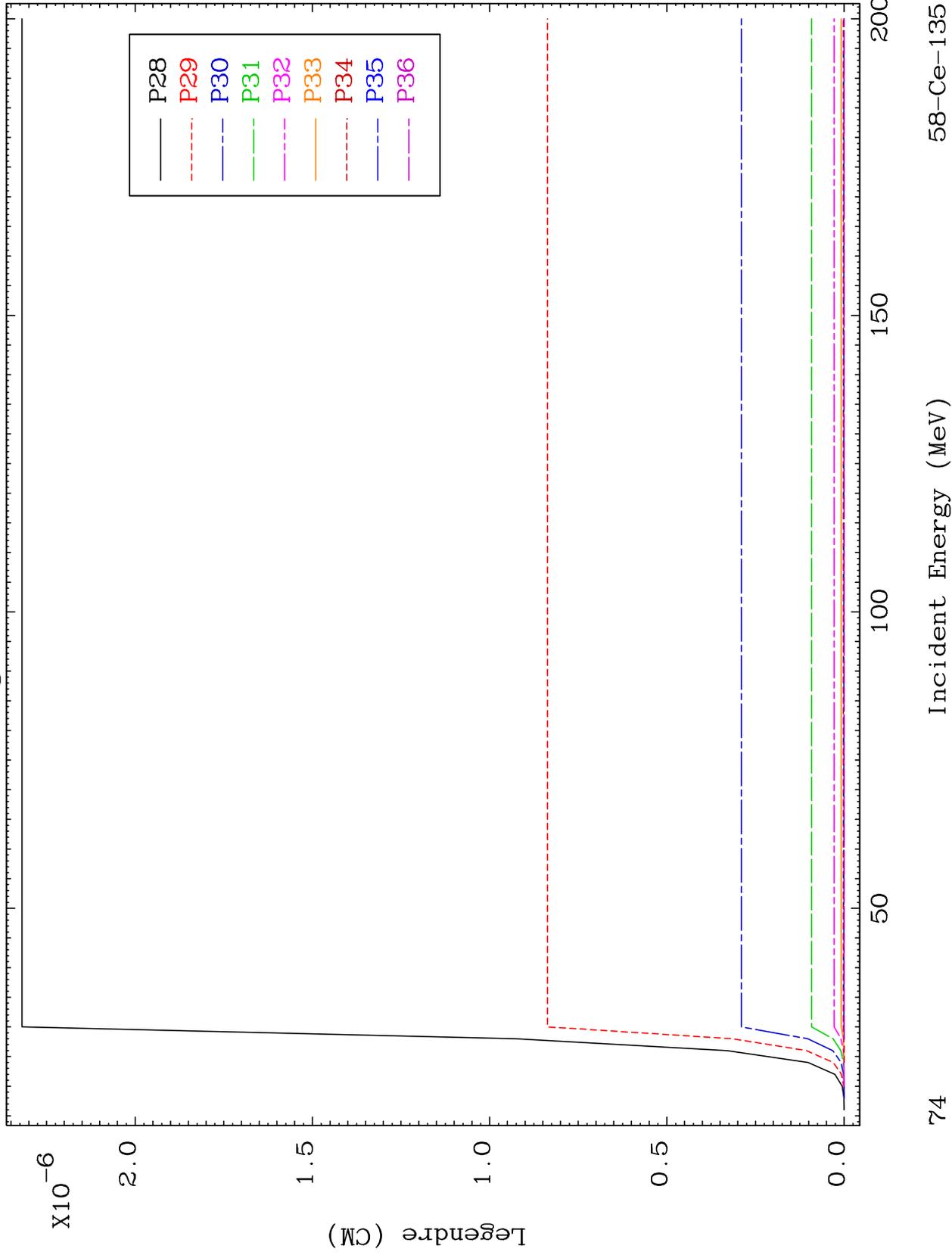
58-Ce-135



MAT 5822

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

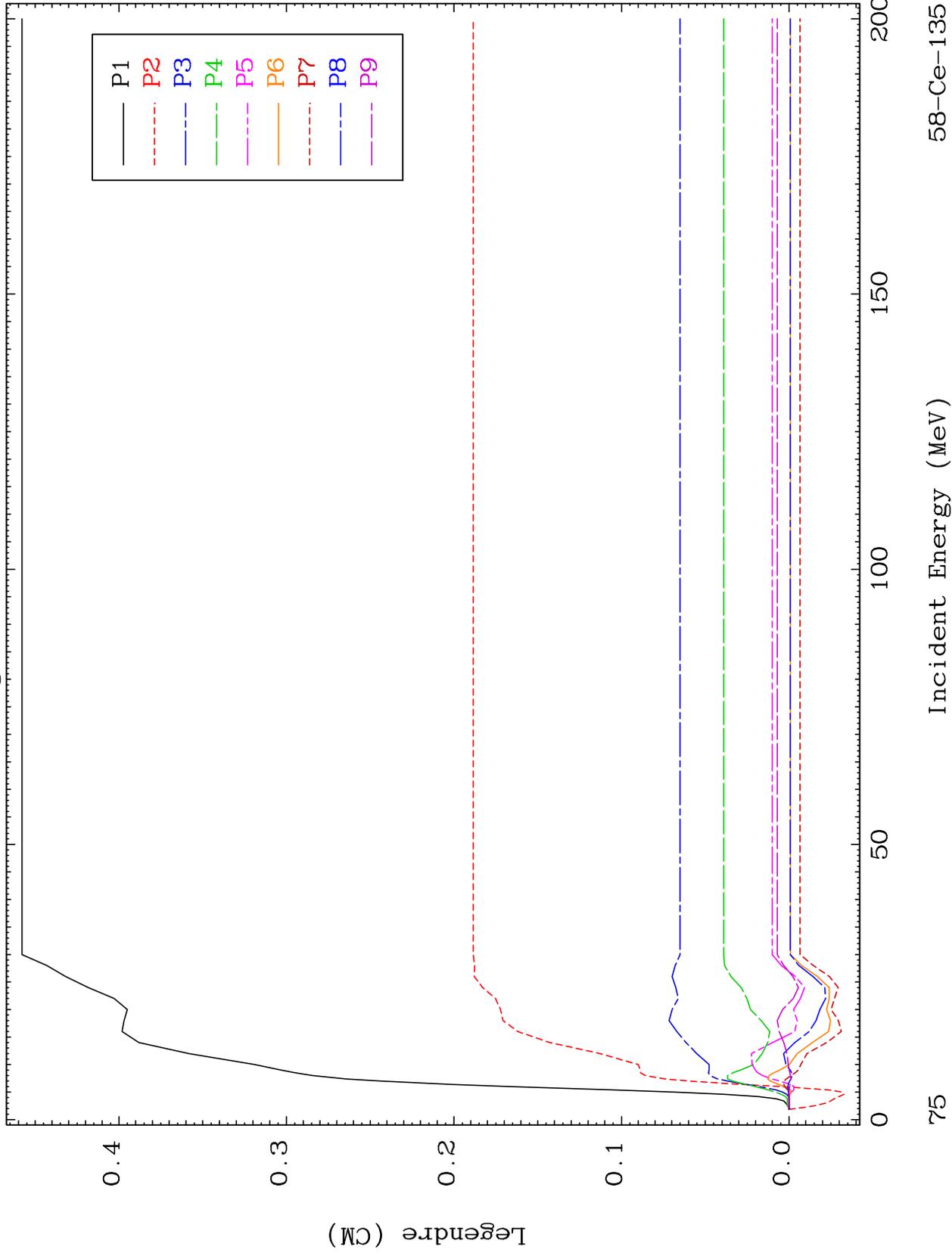
58-Ce-135



MAT 58222

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

58-Ce-135



58-Ce-135

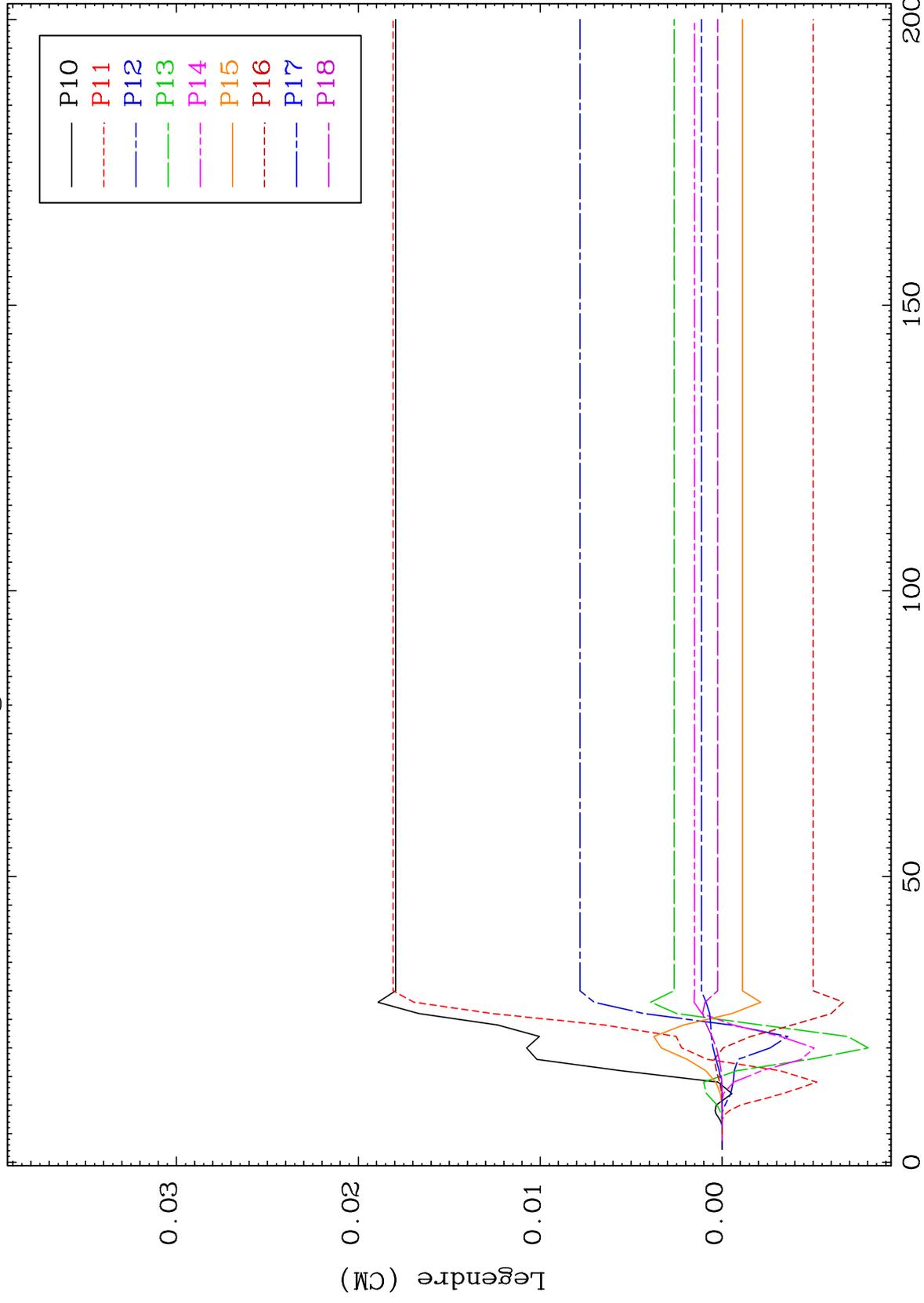
Incident Energy (MeV)

75

MAT 58222

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

58-Ce-135



76

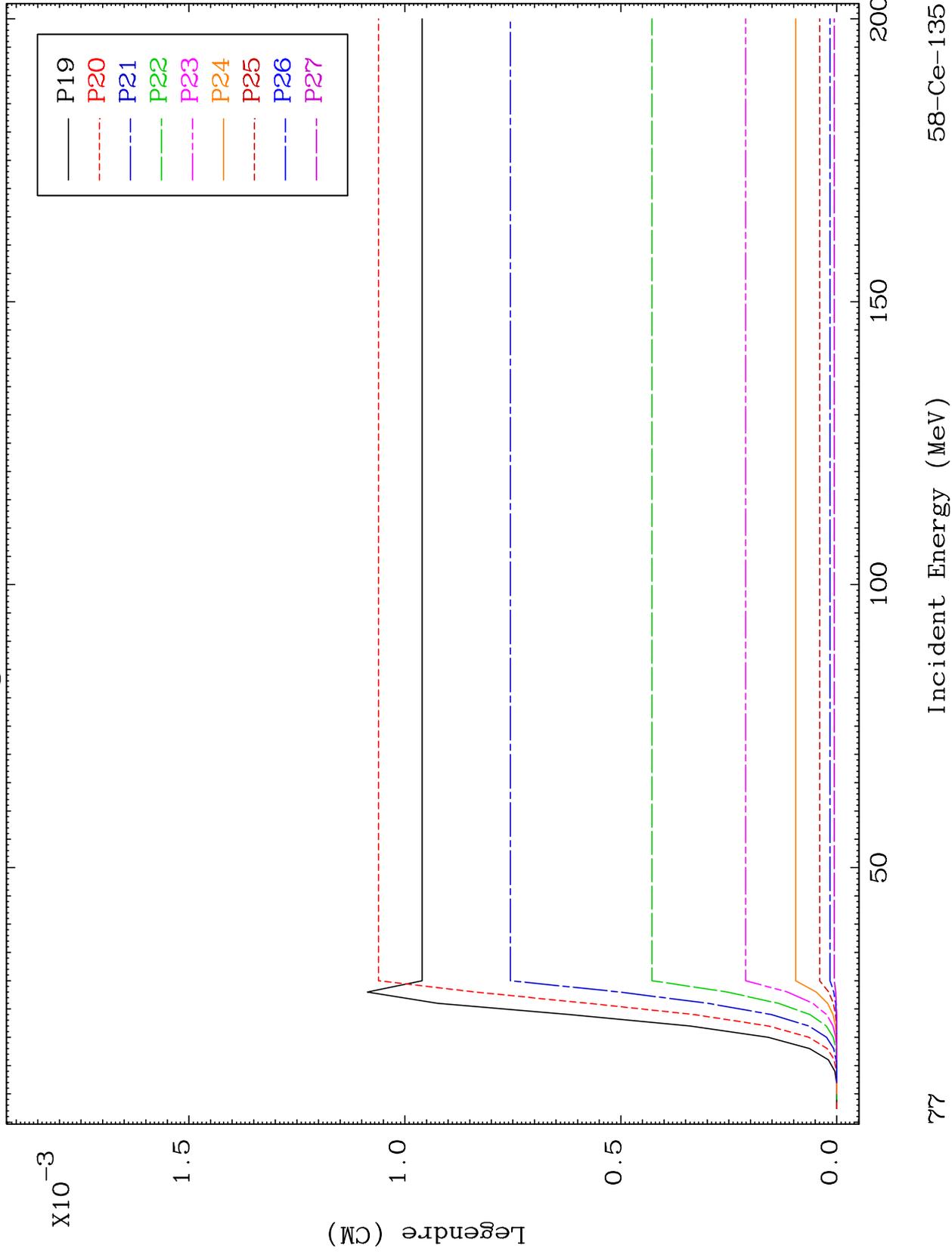
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

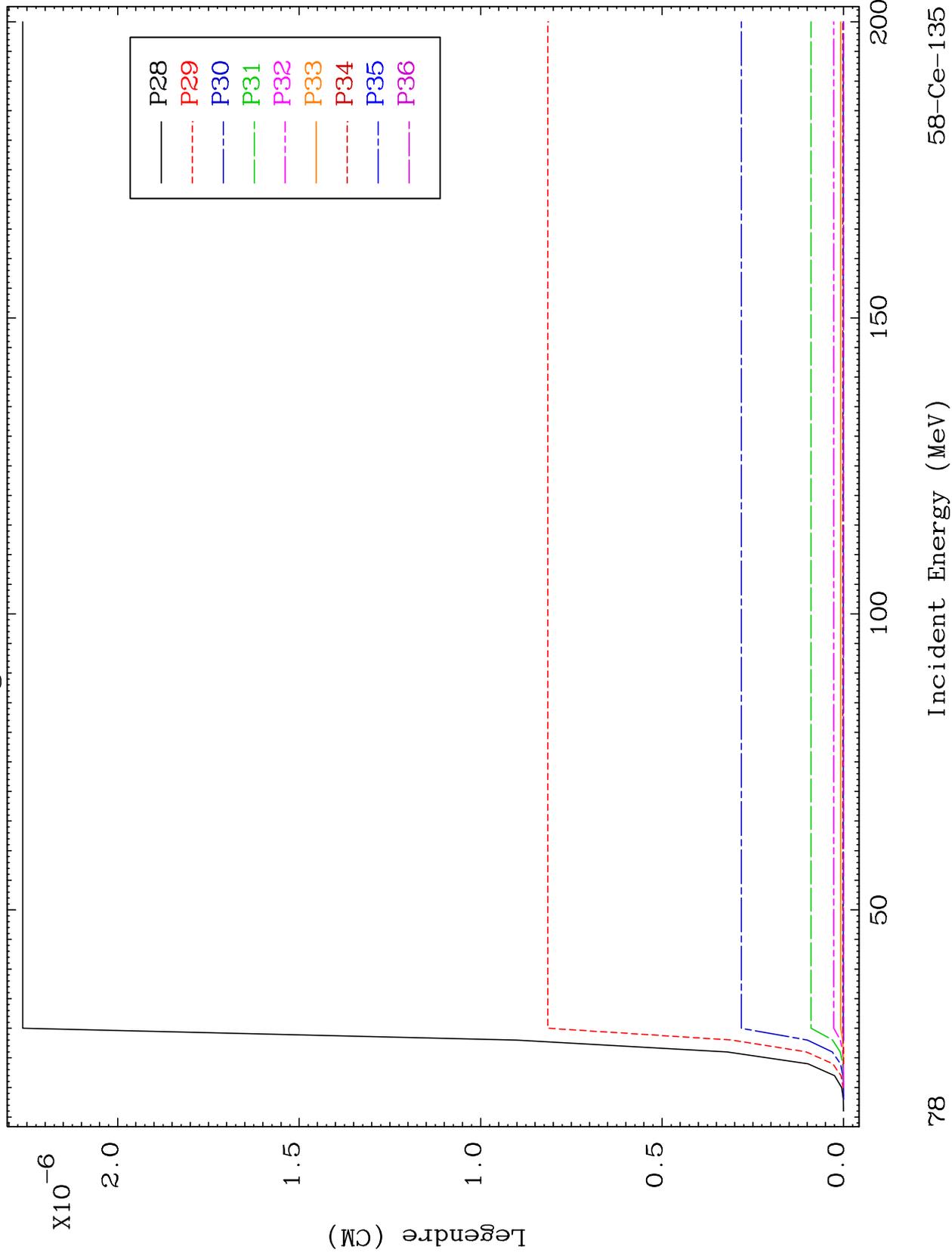
58-Ce-135



MAT 58222

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

58-Ce-135



78

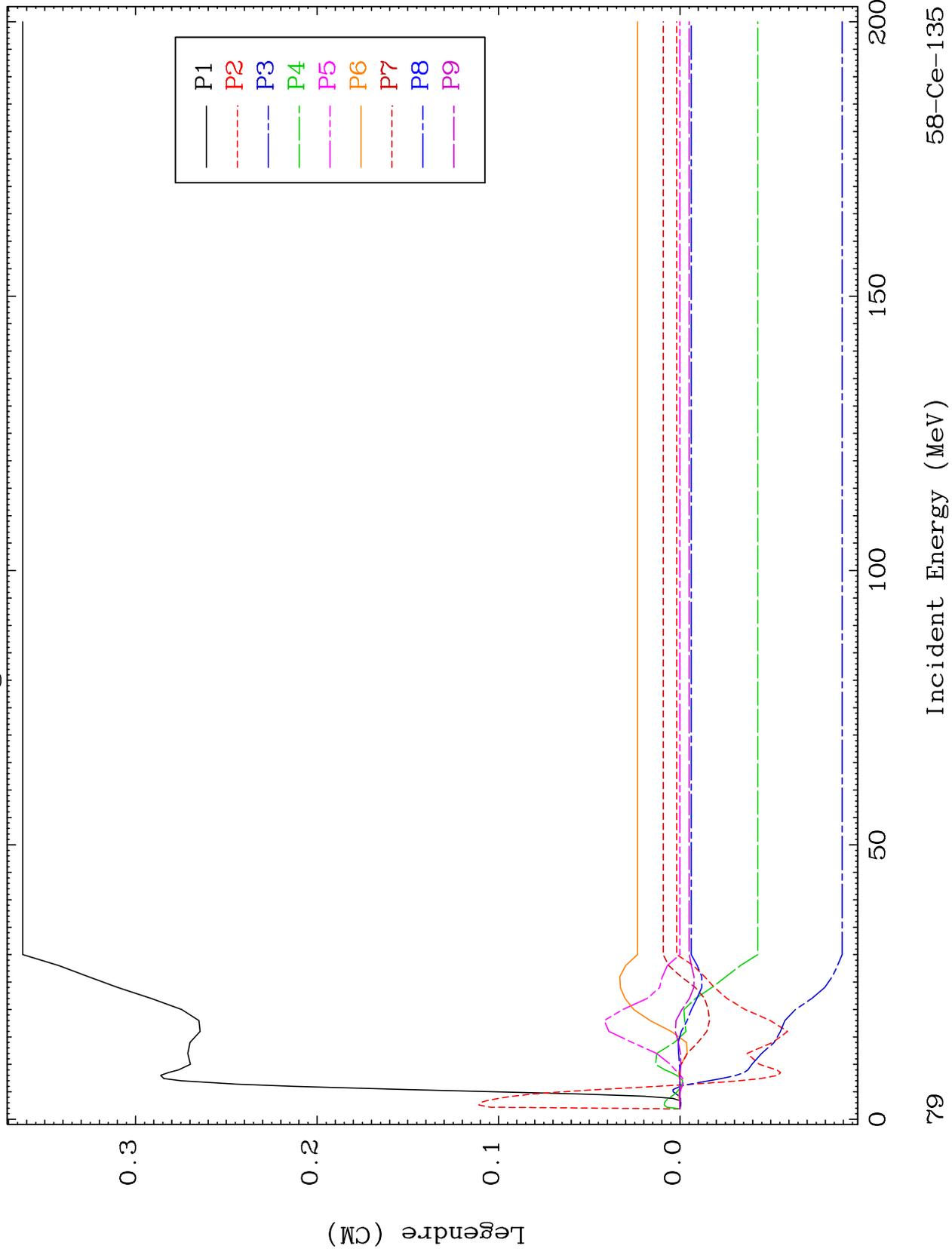
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

58-Ce-135



58-Ce-135

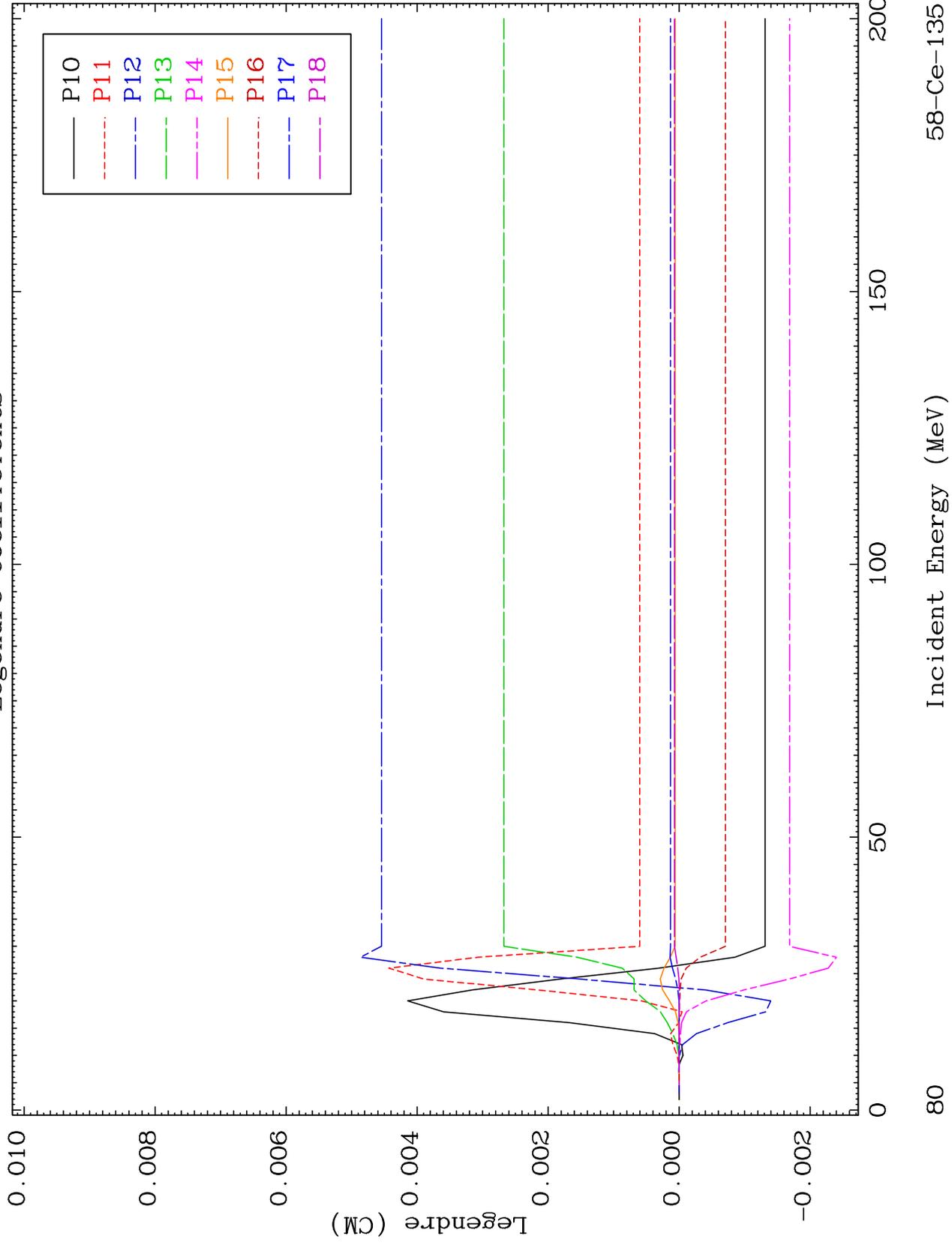
Incident Energy (MeV)

79

MAT 5822

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

58-Ce-135



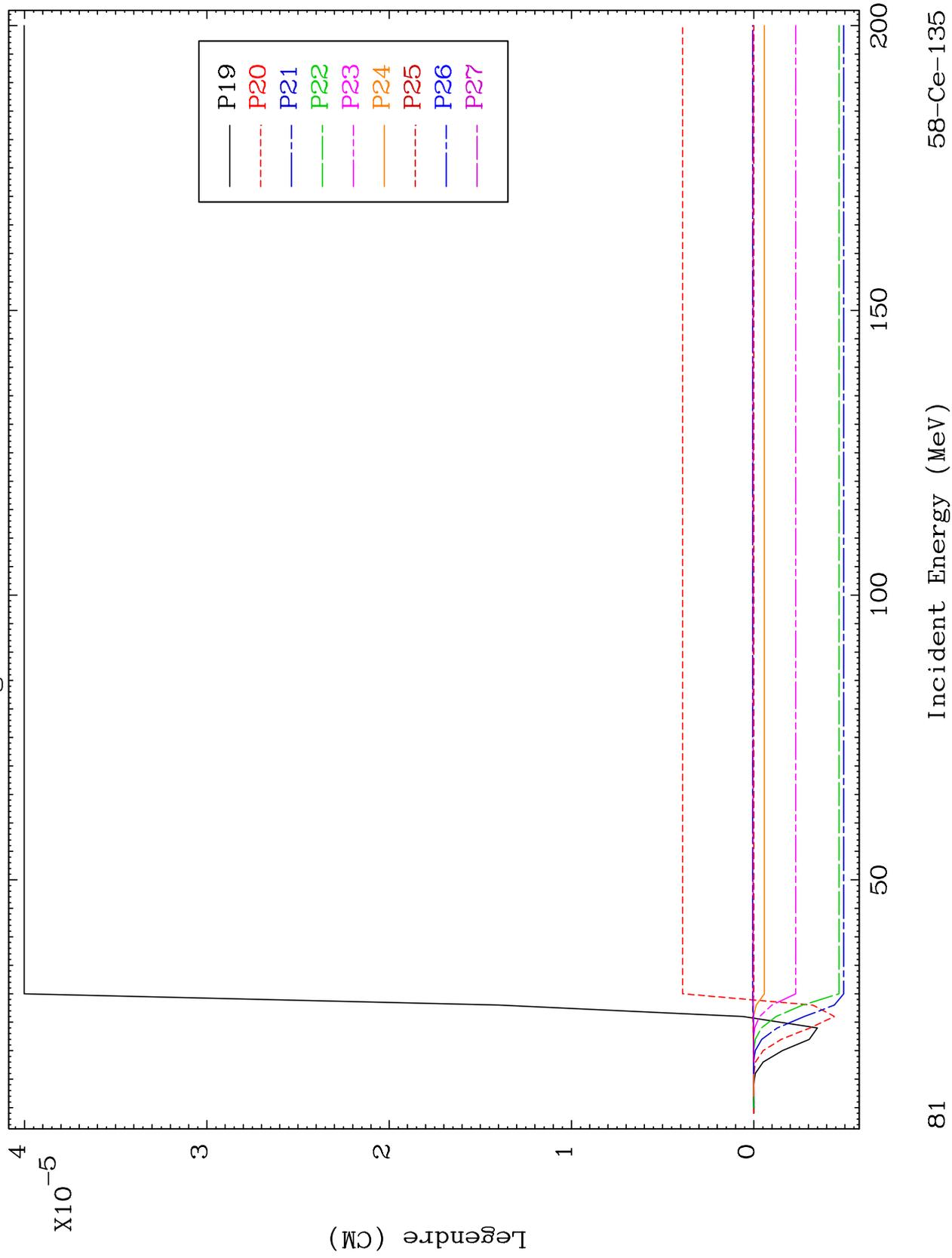
58-Ce-135

Incident Energy (MeV)

MAT 58222

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

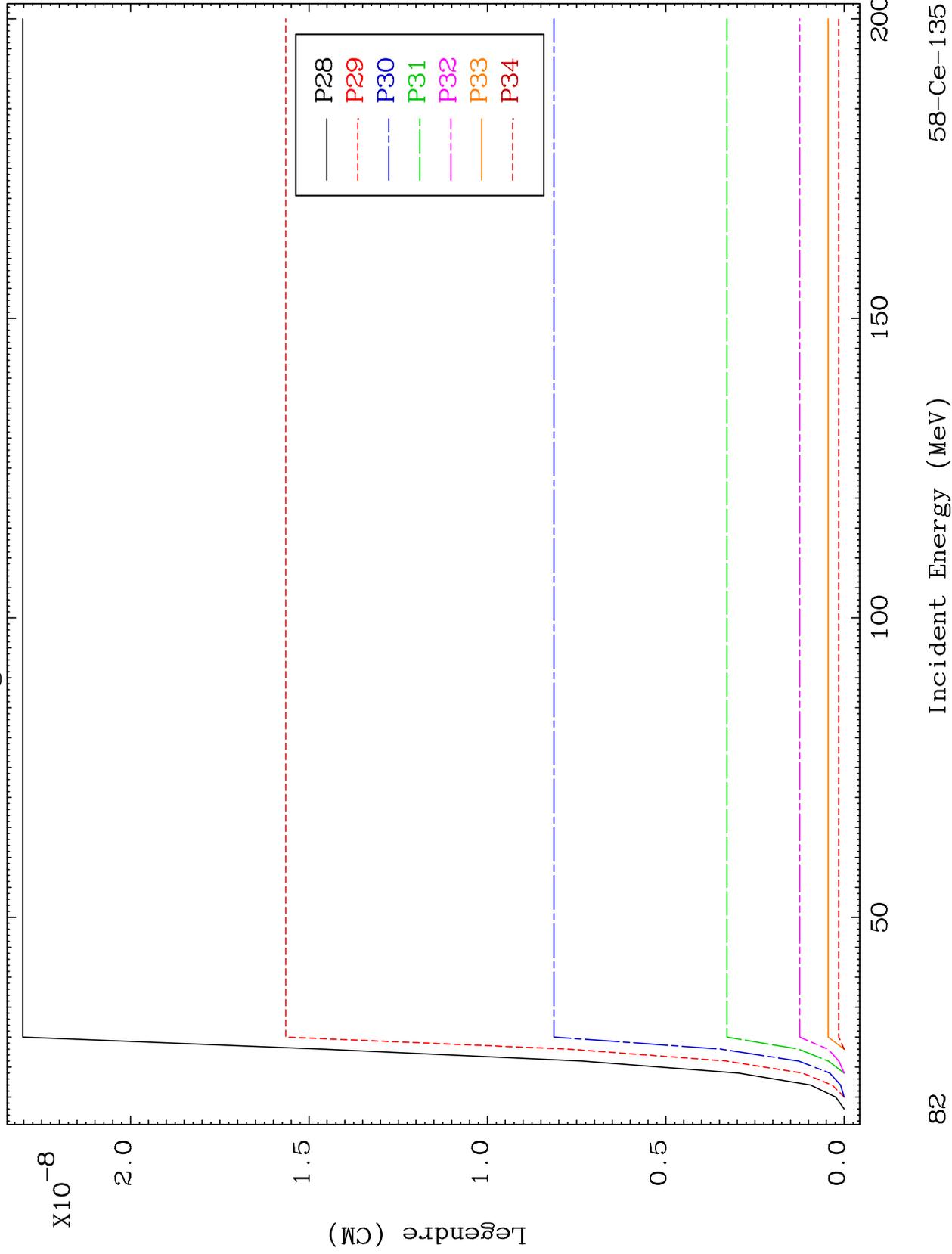
58-Ce-135



MAT 5822

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

58-Ce-135



82

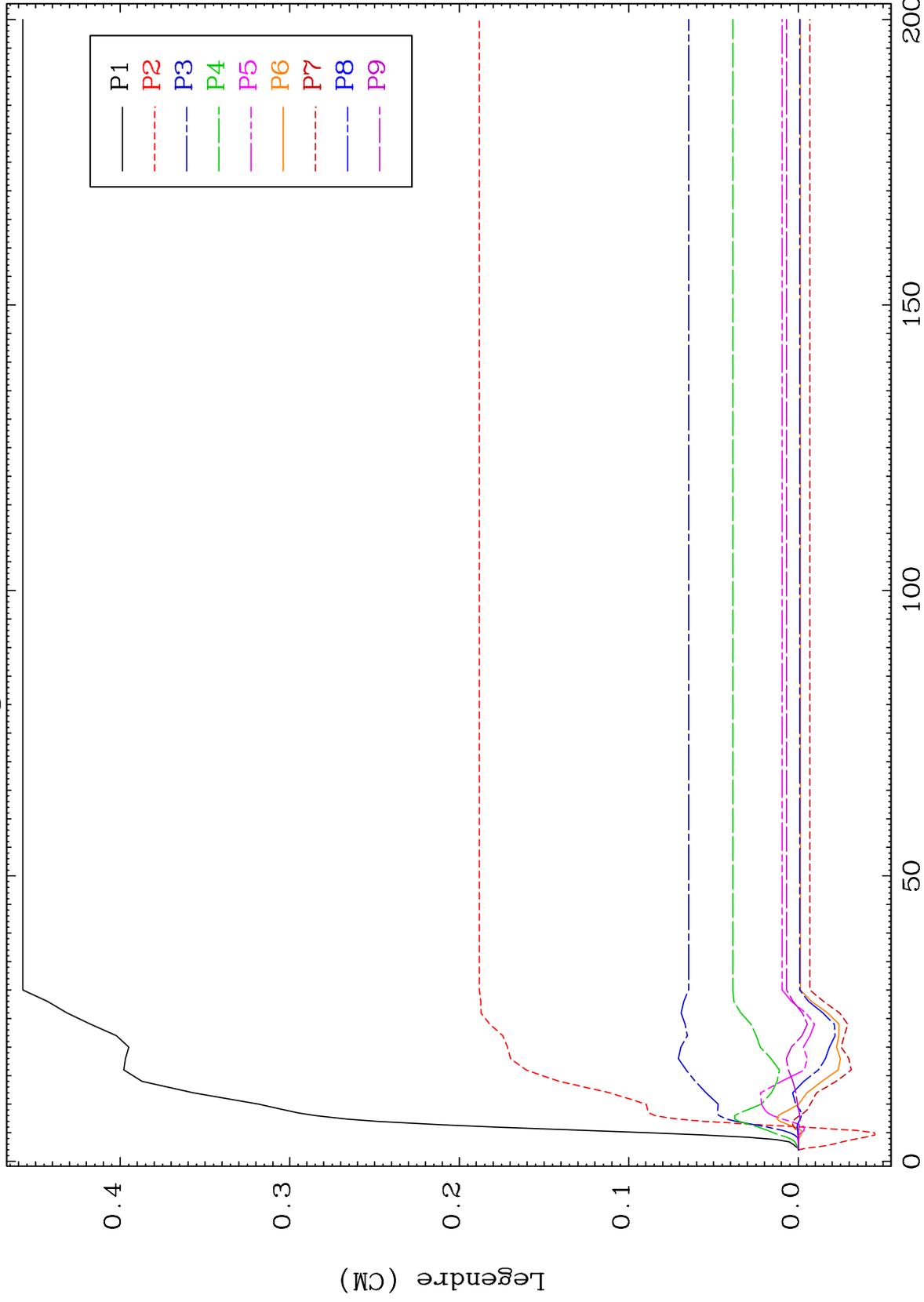
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

58-Ce-135



58-Ce-135

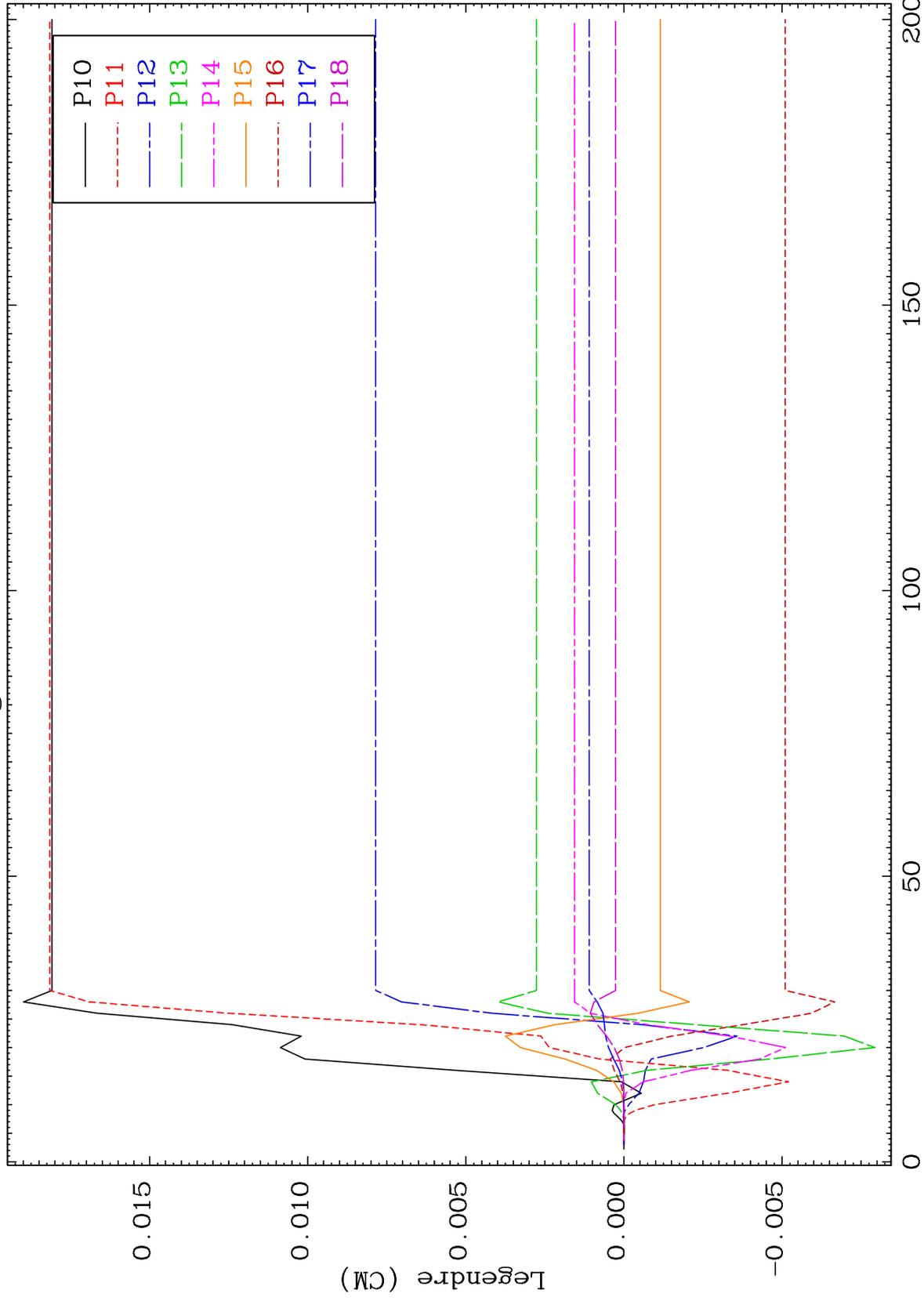
Incident Energy (MeV)

83

MAT 58222

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

58-Ce-135



84

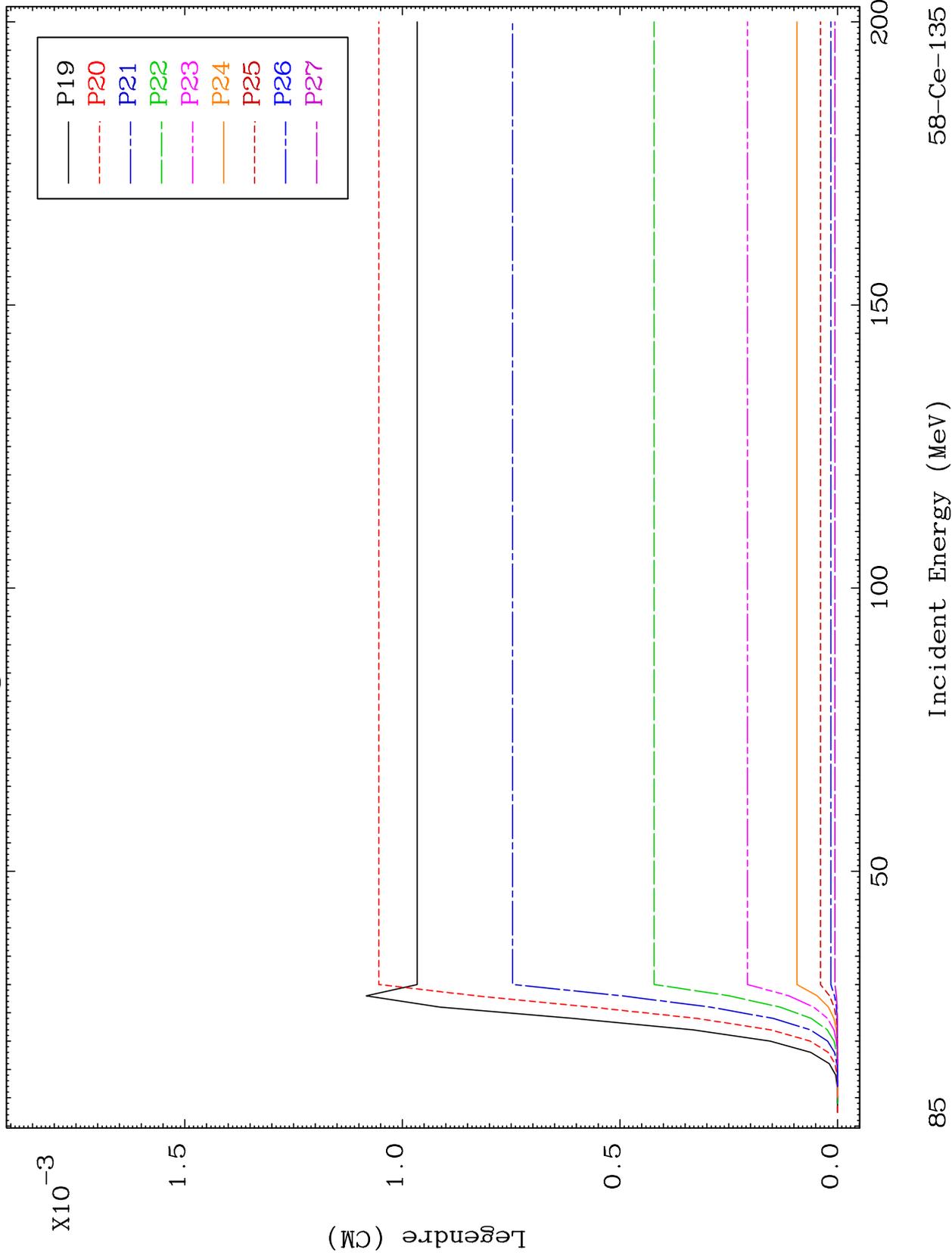
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



85

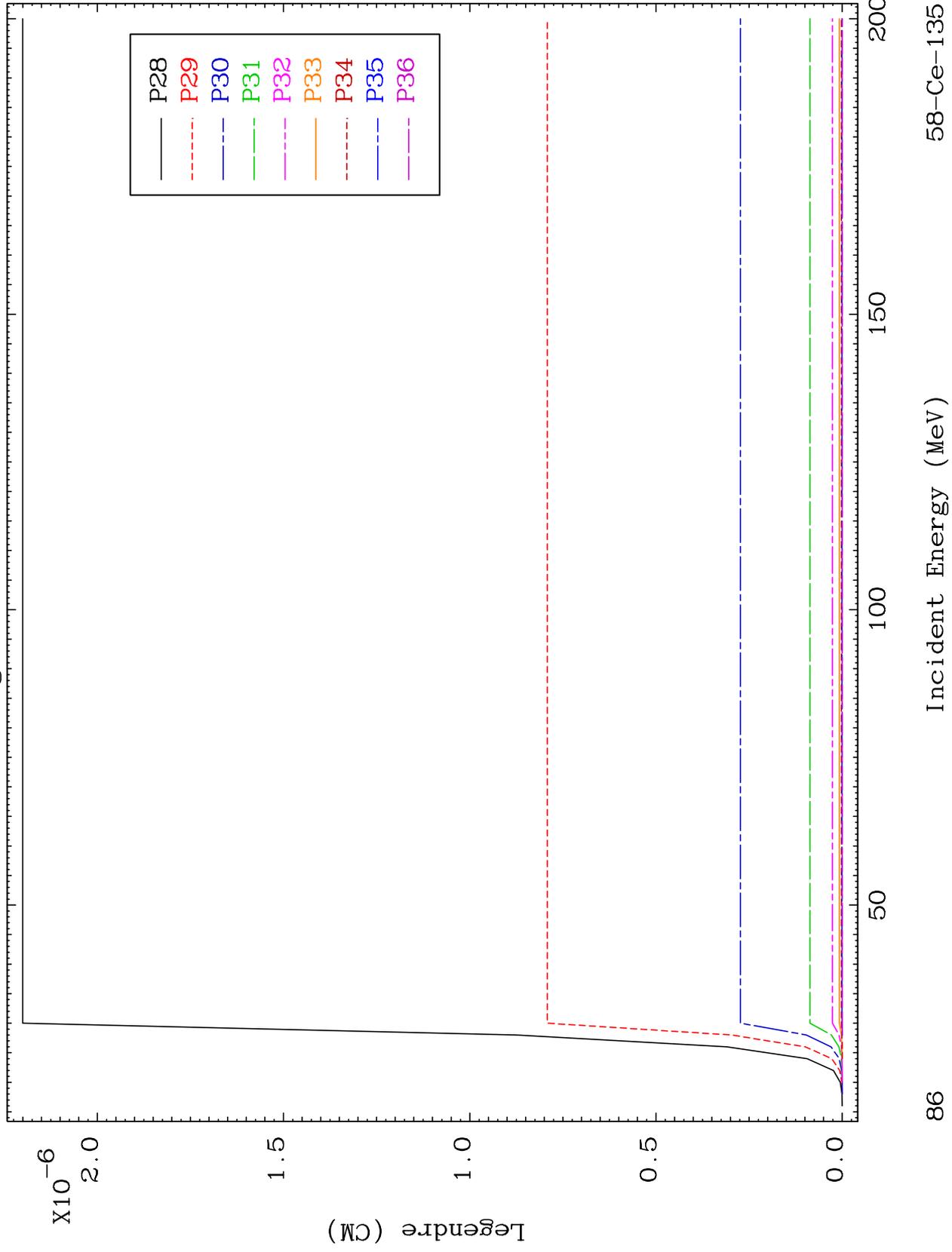
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



86

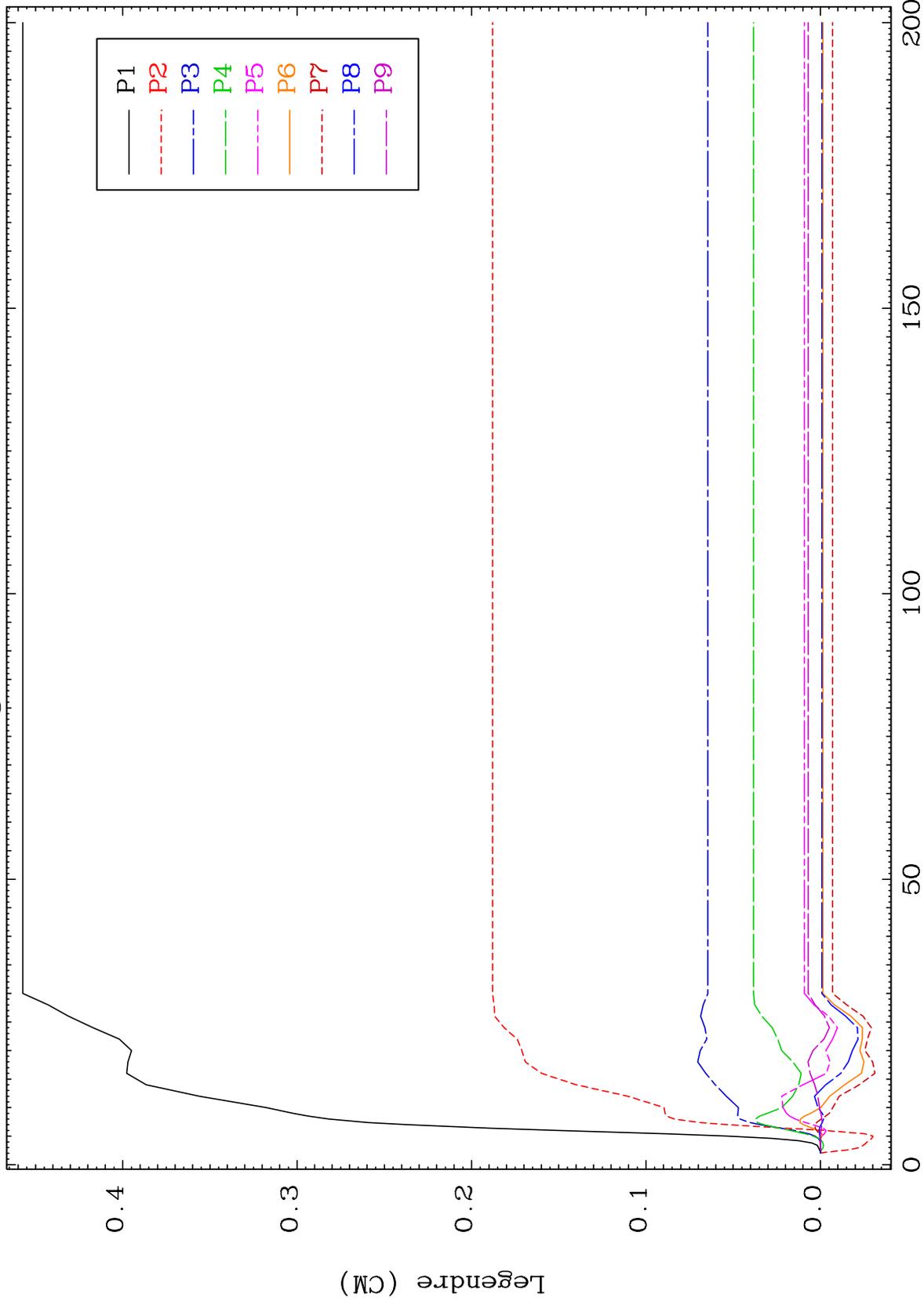
Incident Energy (MeV)

58-Ce-135

MAT 58222

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

58-Ce-135



87

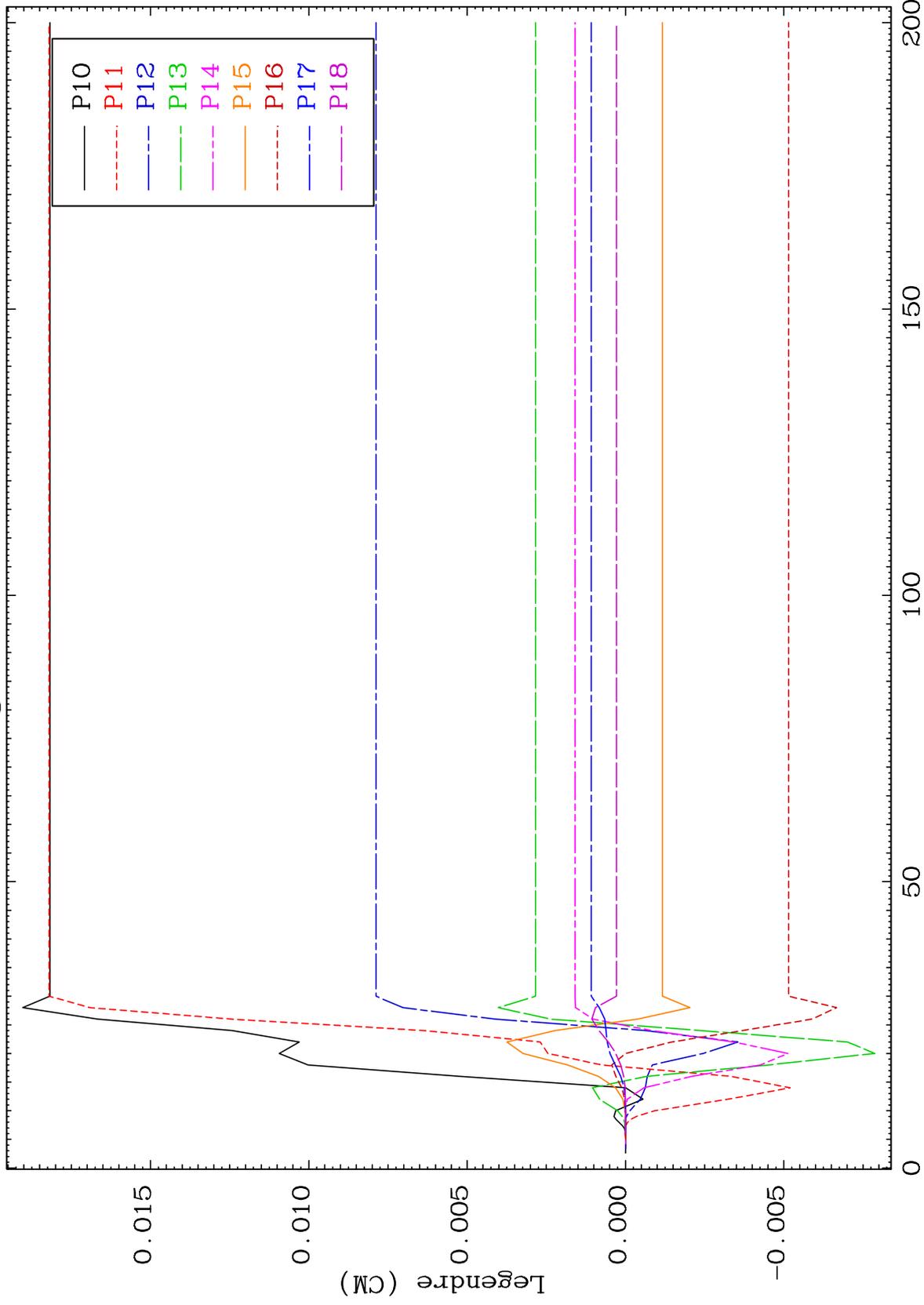
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



88

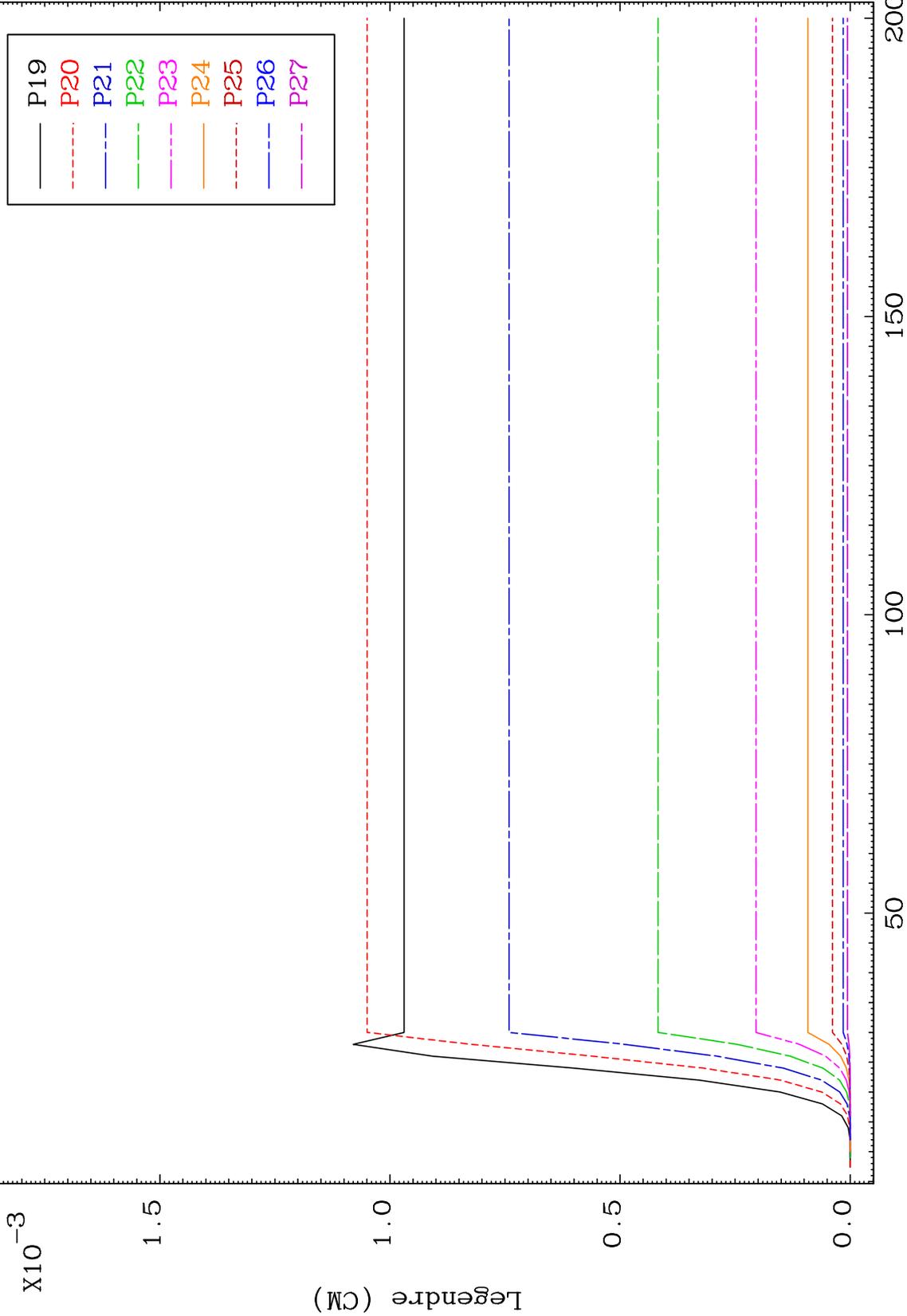
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



89

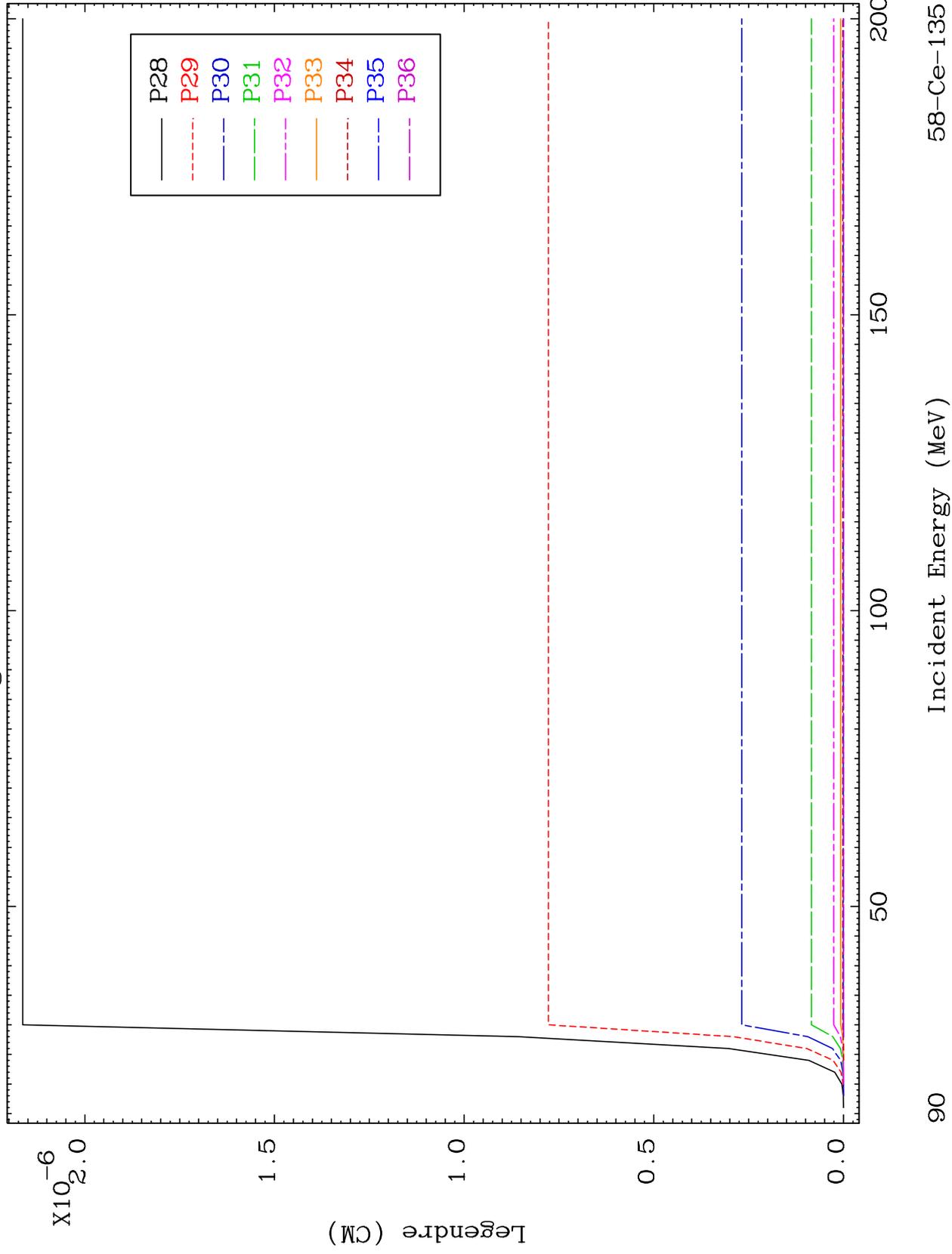
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

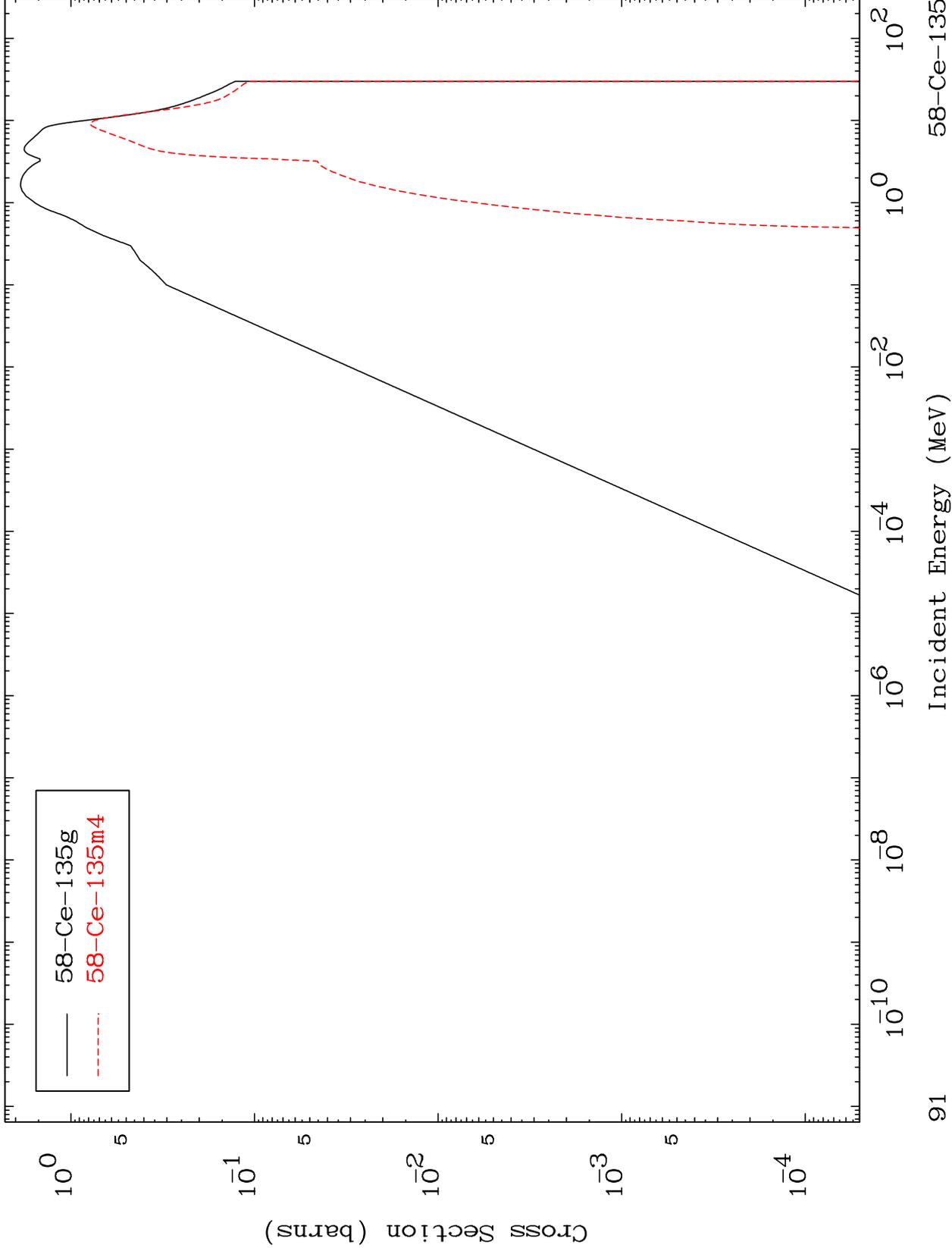
58-Ce-135



MAT 5822

Inelastic
Radionuclide Production Cross Section

58-Ce-135

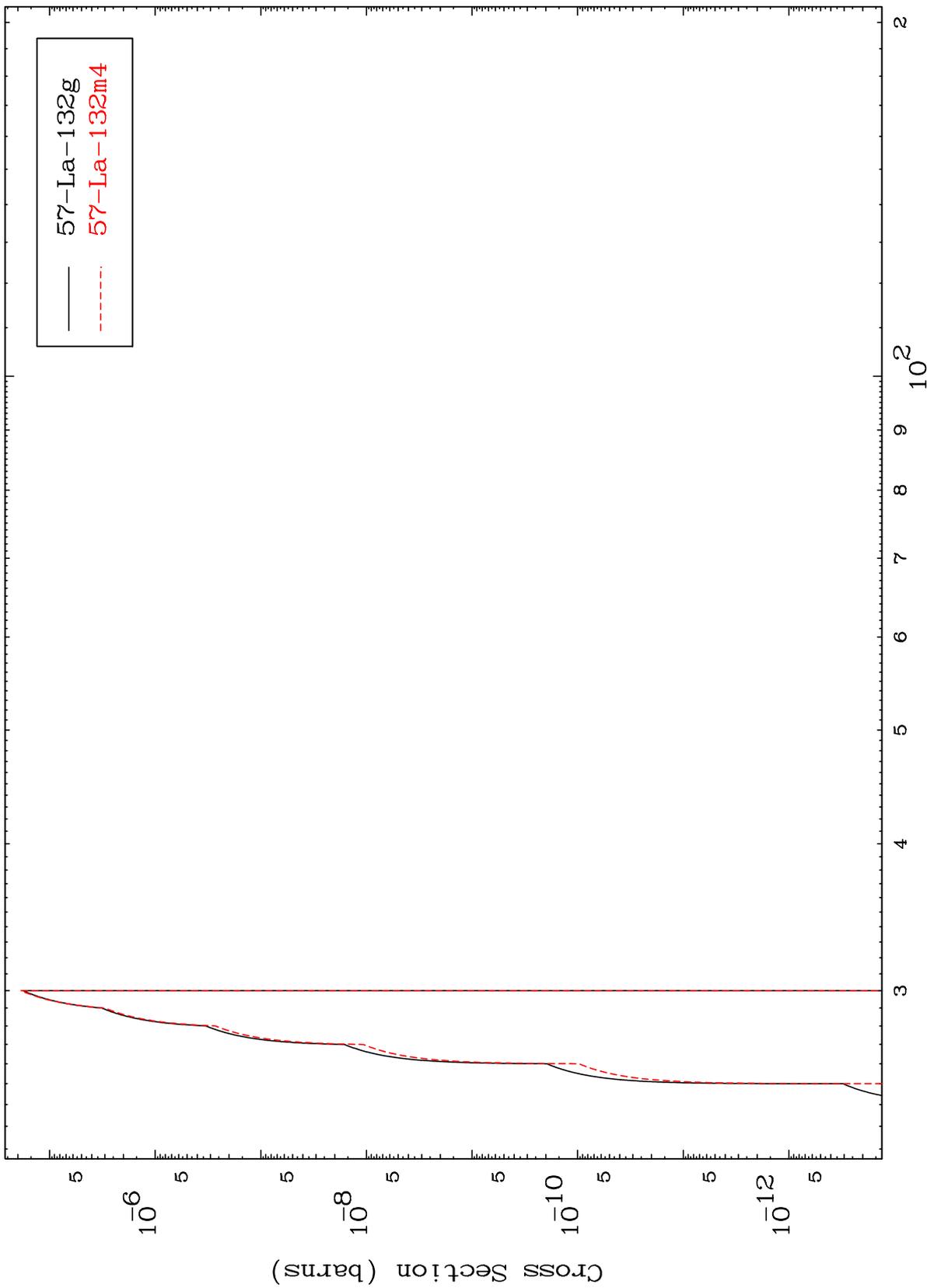


MAT 5822

(n,2n) d

58-Ce-135

Radionuclide Production Cross Section



92

Incident Energy (MeV)

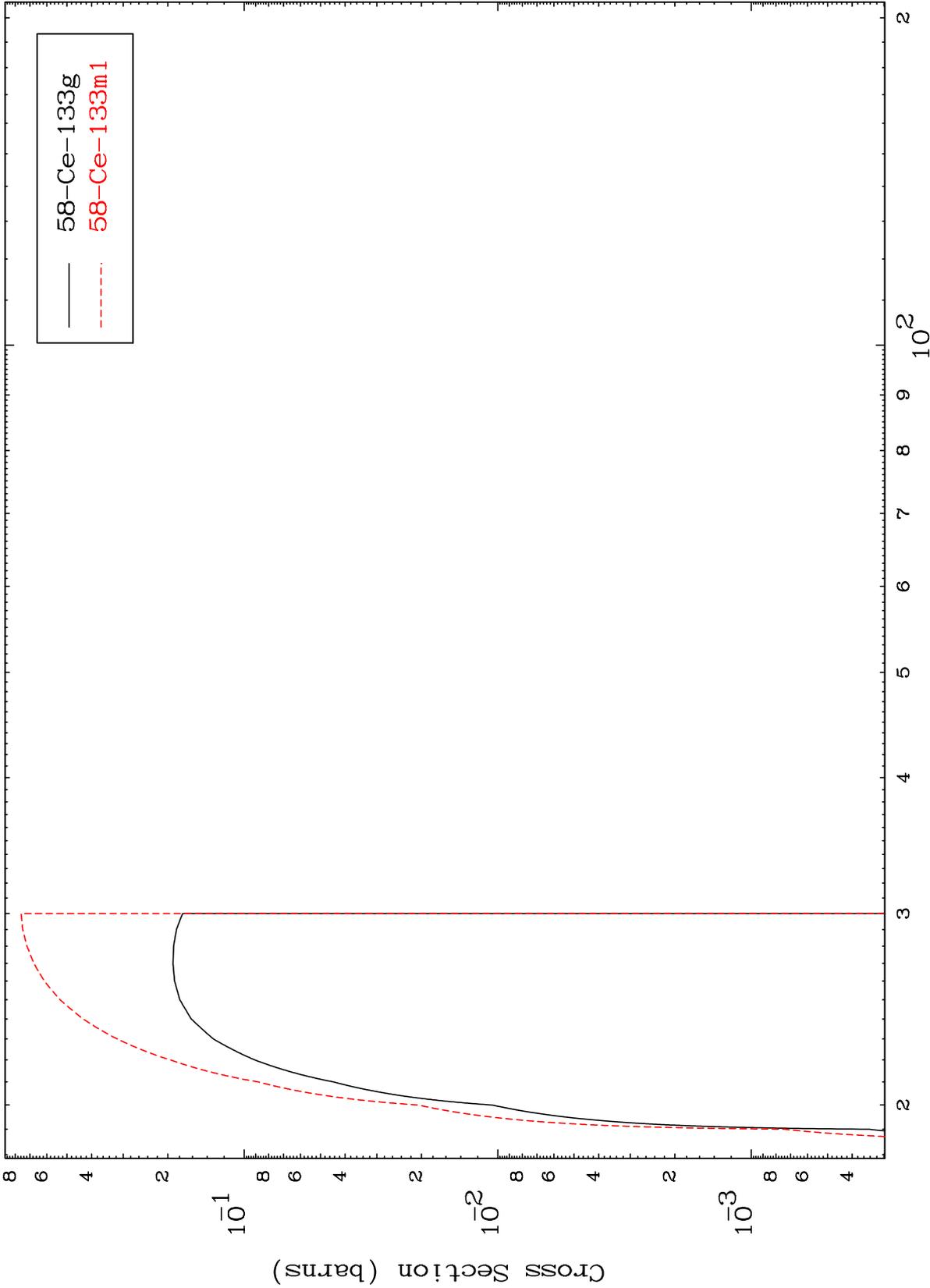
58-Ce-135

MAT 58222

(n,3n)

58-Ce-135

Radionuclide Production Cross Section



93

Incident Energy (MeV)

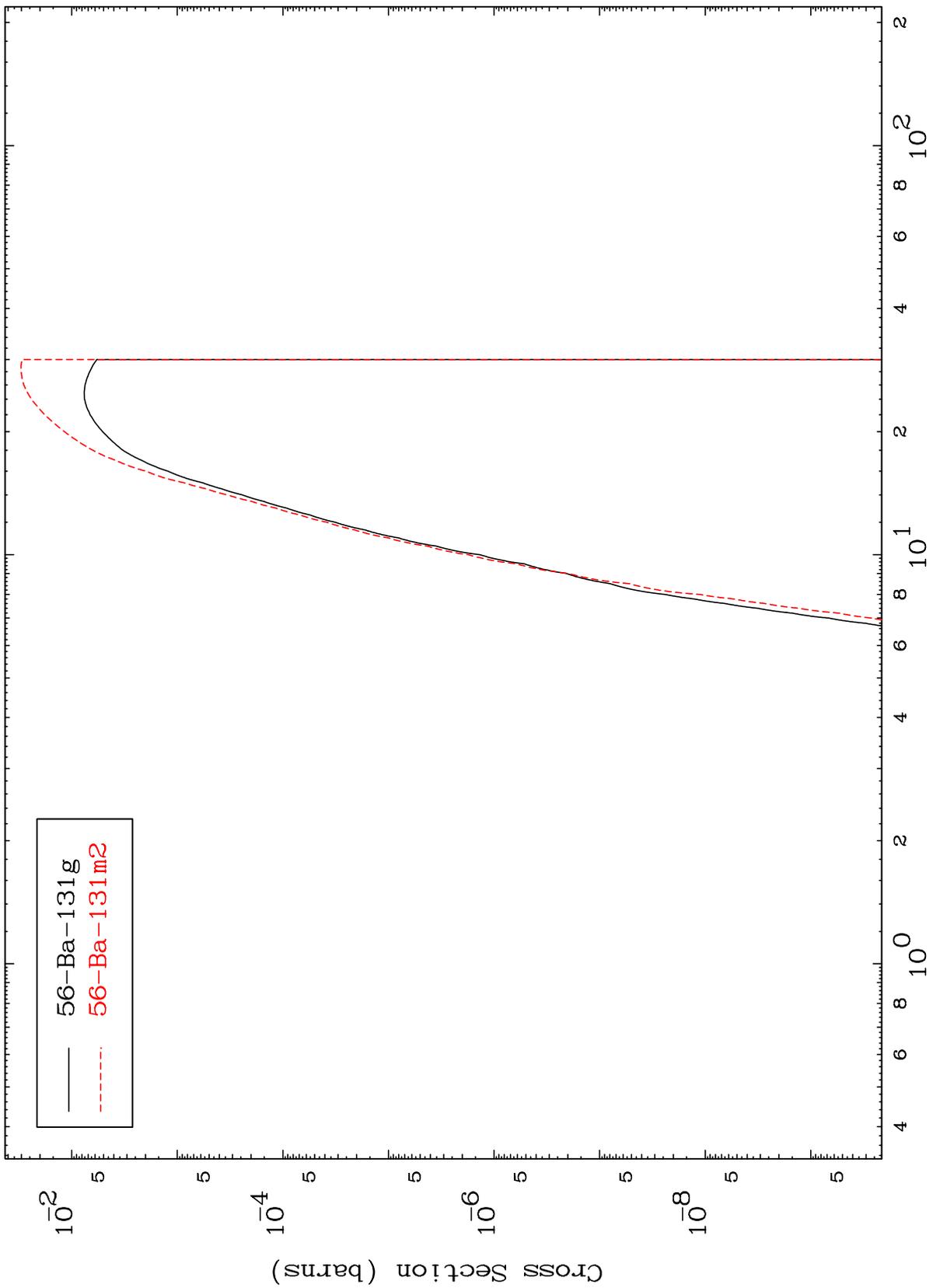
58-Ce-135

MAT 5822

(n,n') α

58-Ce-135

Radionuclide Production Cross Section



56-Ba-131g
56-Ba-131m2

94

Incident Energy (MeV)

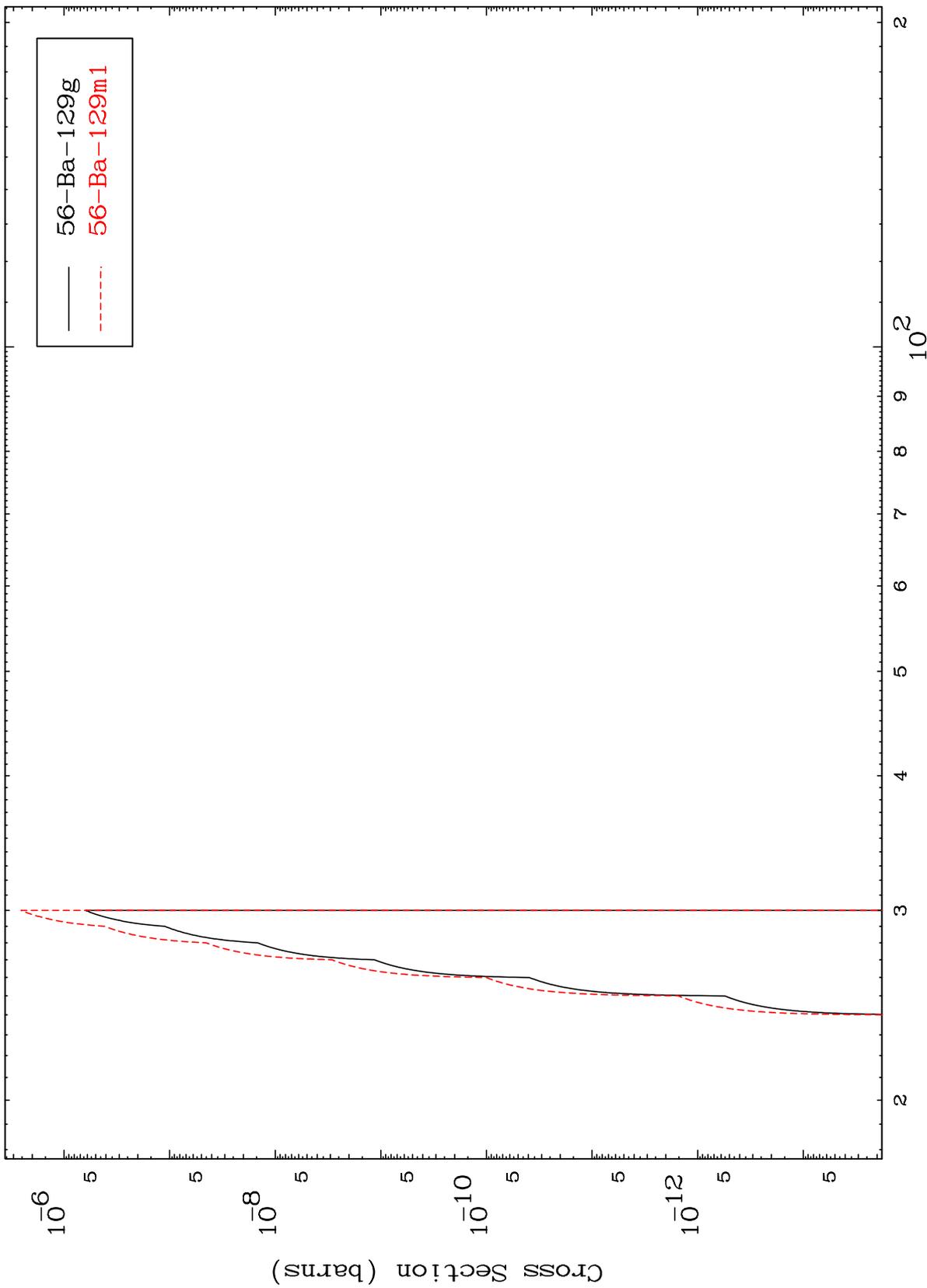
58-Ce-135

MAT 58222

(n,3n) α

58-Ce-135

Radionuclide Production Cross Section



95

Incident Energy (MeV)

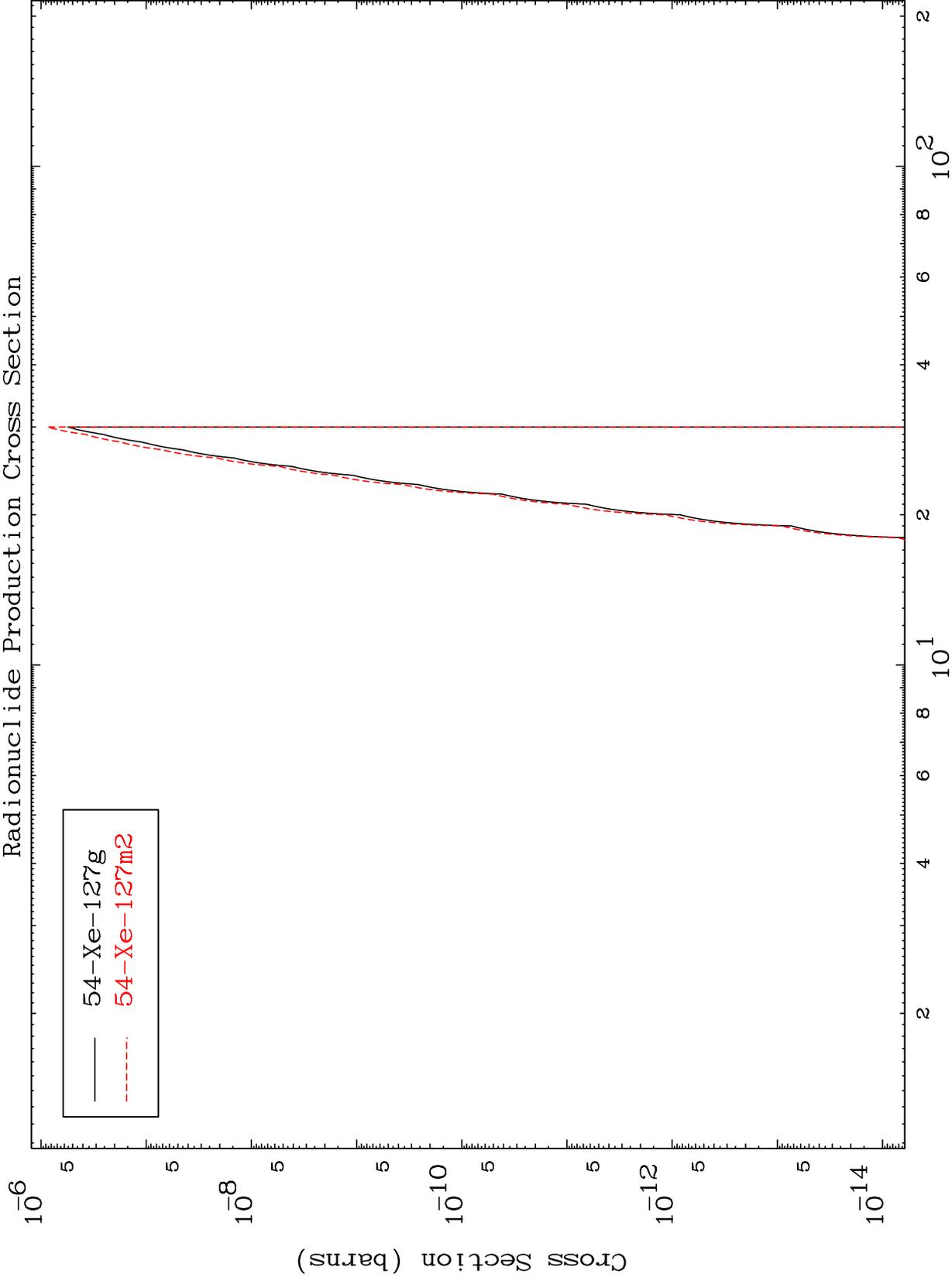
58-Ce-135

MAT 5822

(n,n') 2 α

58-Ce-135

Radionuclide Production Cross Section



54-Xe-127g
54-Xe-127m2

96

Incident Energy (MeV)

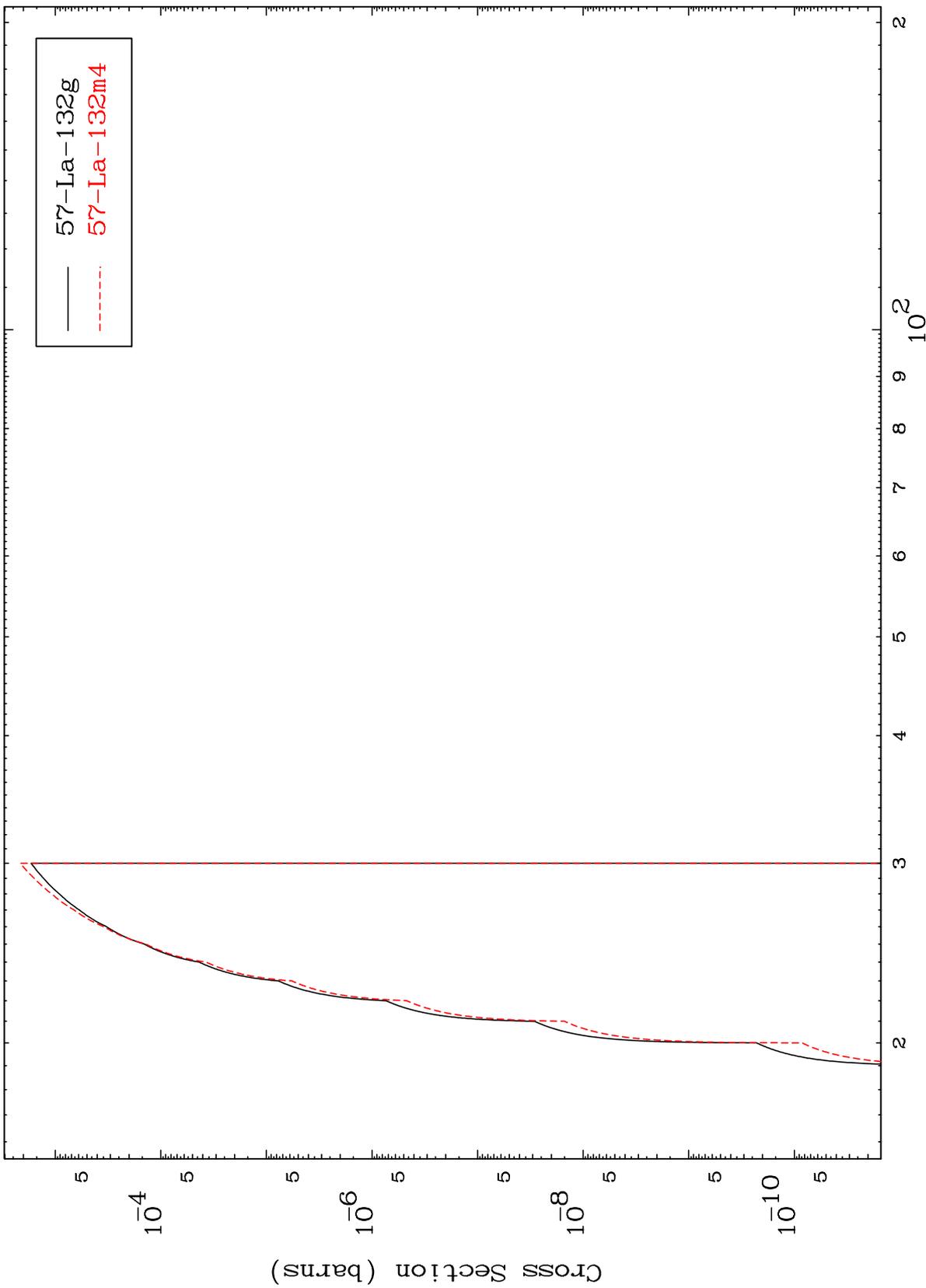
58-Ce-135

MAT 5822

(n,n') t

58-Ce-135

Radionuclide Production Cross Section

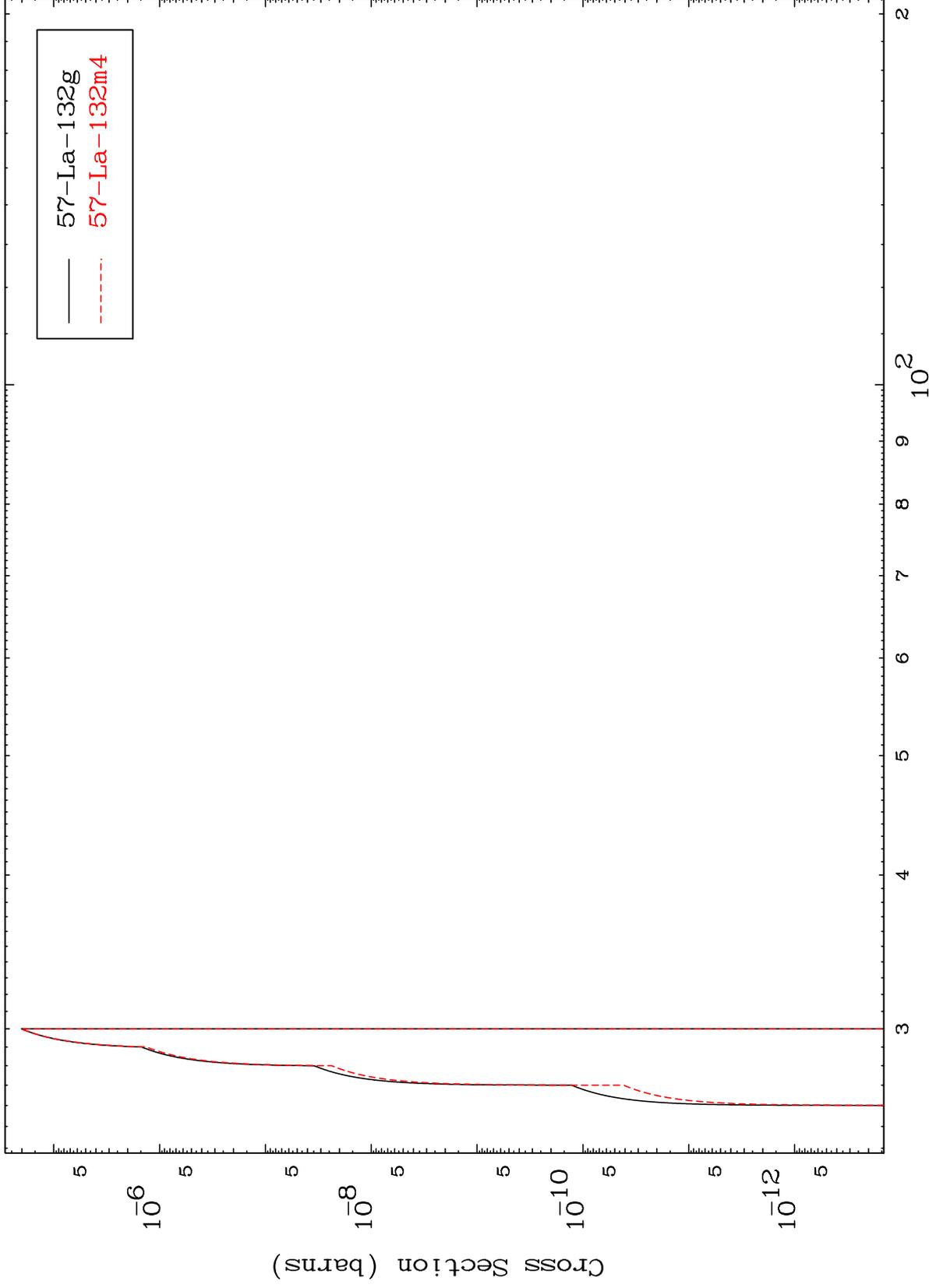


97

Incident Energy (MeV)

58-Ce-135

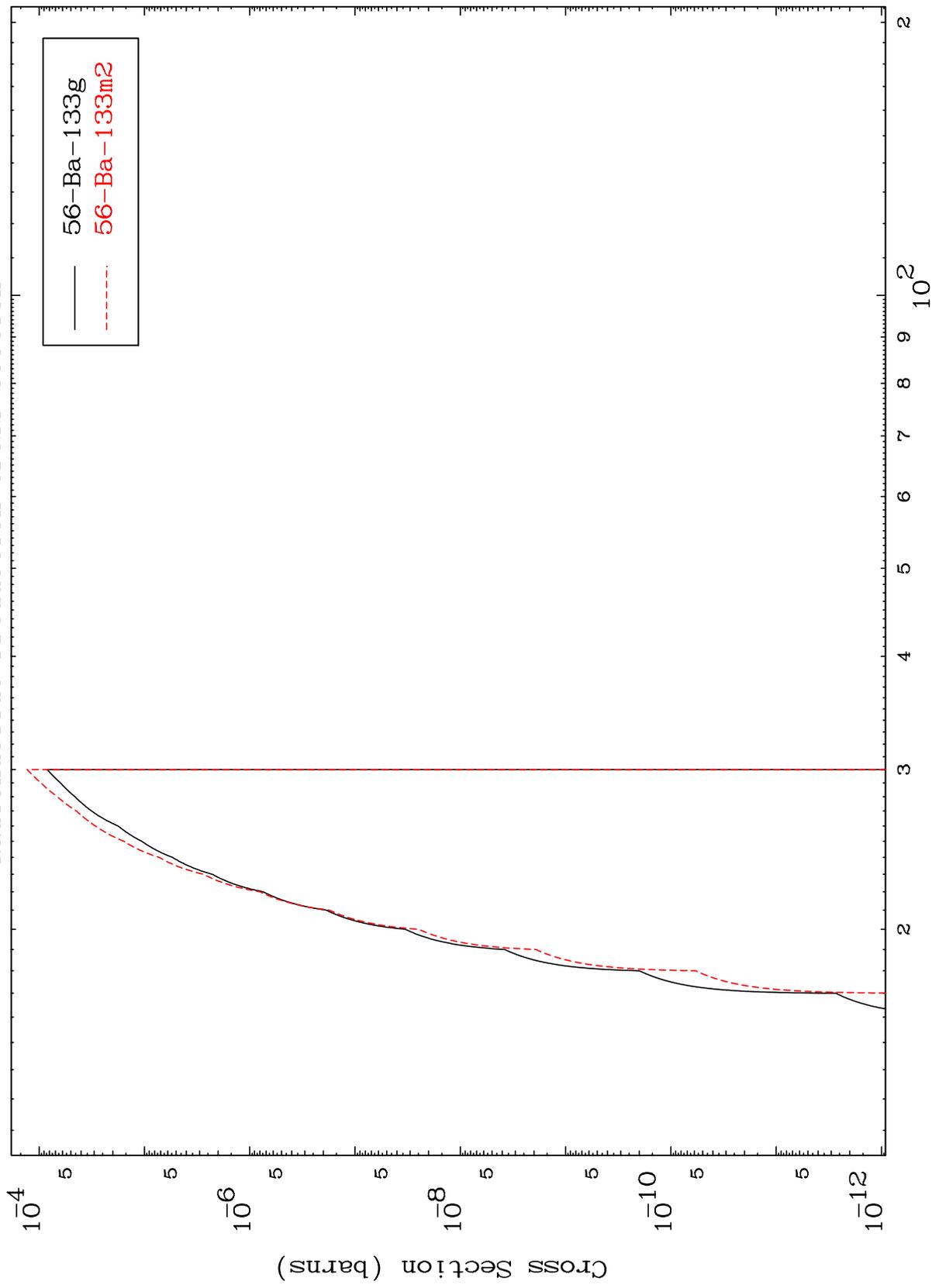
Radionuclide Production Cross Section



MAT 58222

58-Ce-135

(n,2n) p
Radionuclide Production Cross Section



99

Incident Energy (MeV)

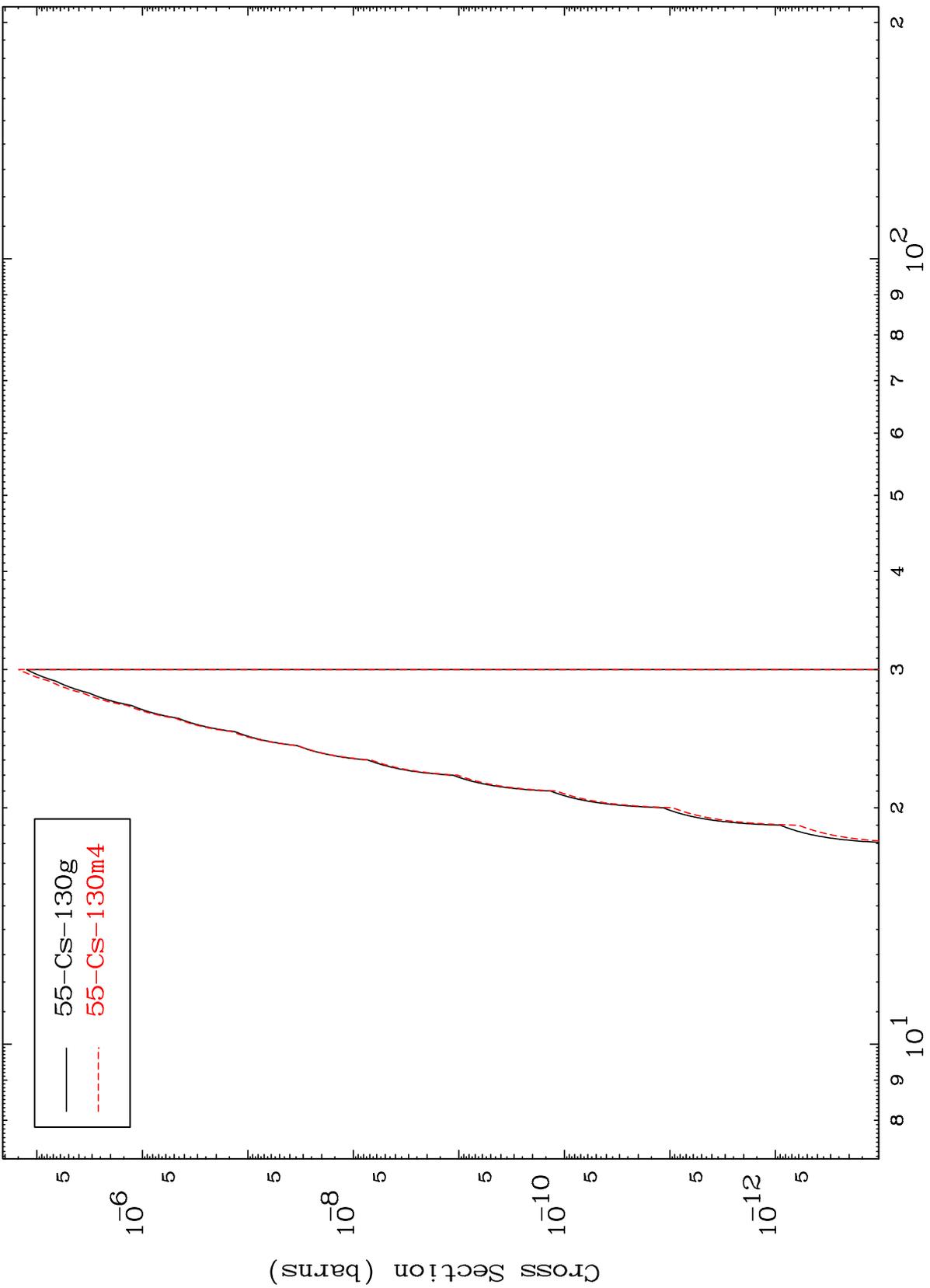
58-Ce-135

MAT 5822

(n,n') p α

58-Ce-135

Radionuclide Production Cross Section



100

Incident Energy (MeV)

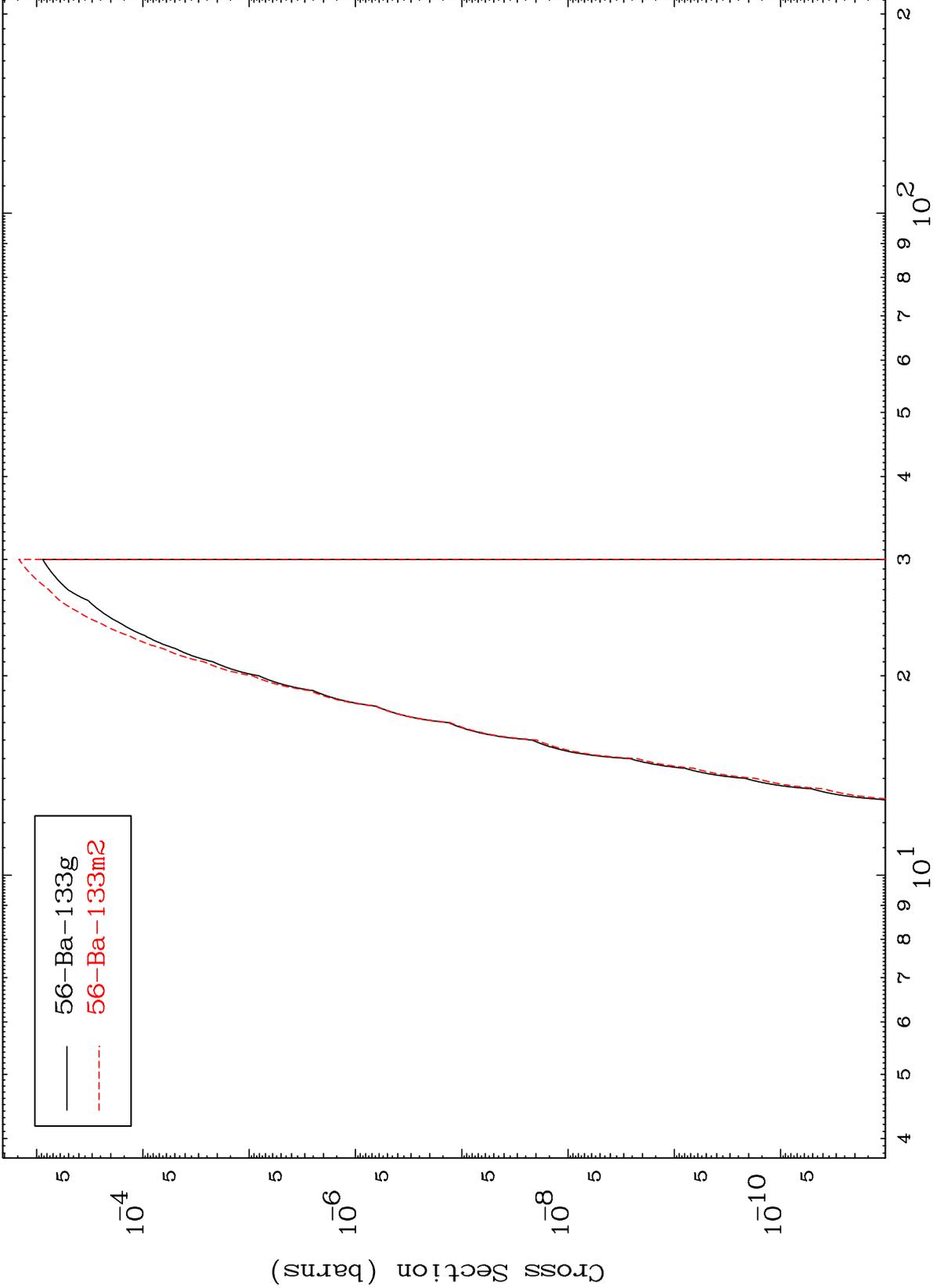
58-Ce-135

MAT 5822

(n,He-3)

58-Ce-135

Radionuclide Production Cross Section



101

Incident Energy (MeV)

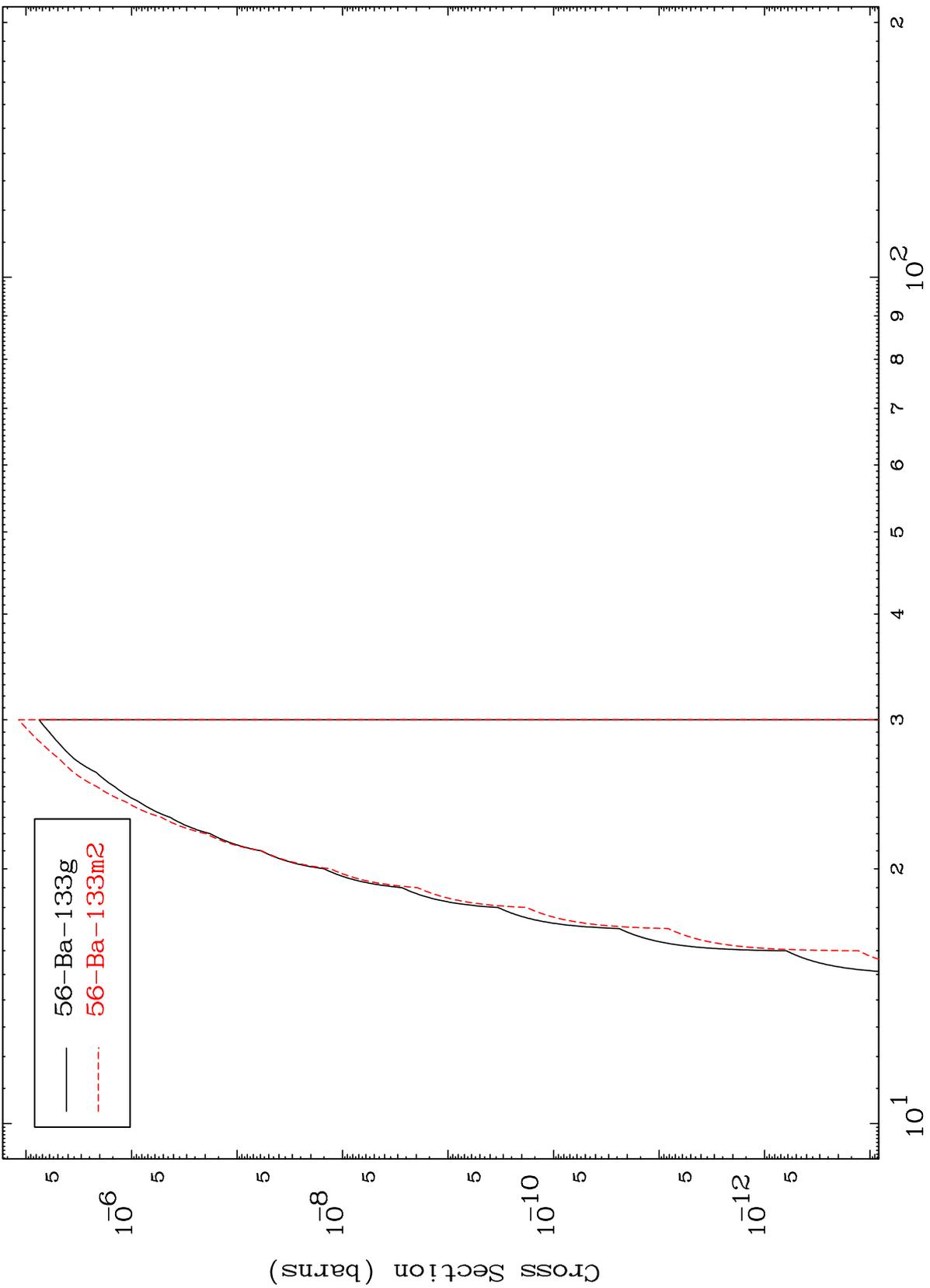
58-Ce-135

MAT 5822

(n,p) d

58-Ce-135

Radionuclide Production Cross Section



10¹

Incident Energy (MeV)

10²

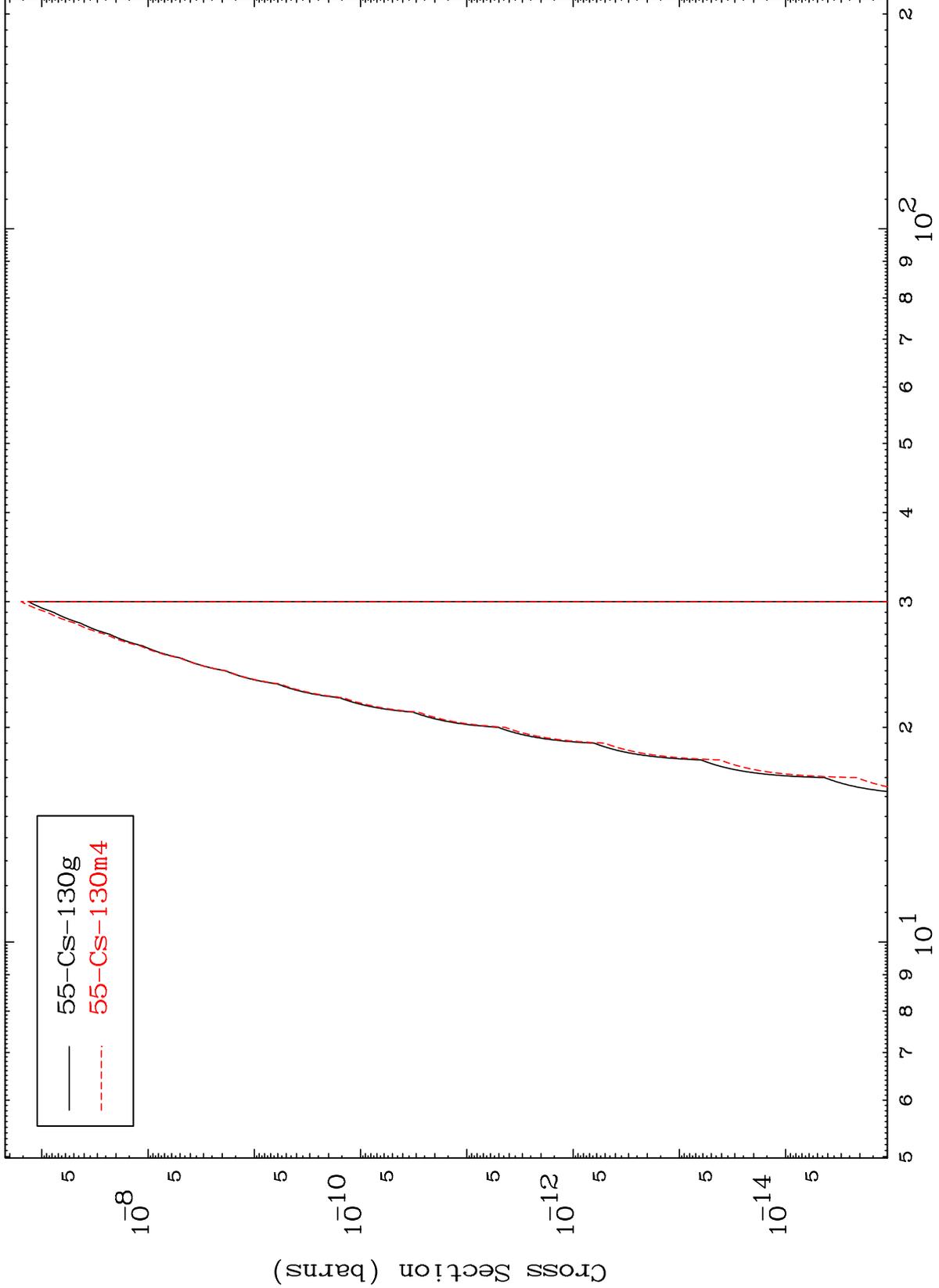
58-Ce-135

MAT 5822

(n,d) α

58-Ce-135

Radionuclide Production Cross Section



55-Cs-130g
55-Cs-130m4

103

Incident Energy (MeV)

58-Ce-135