

Program EVALPLOT
(Version 2015-2)

by

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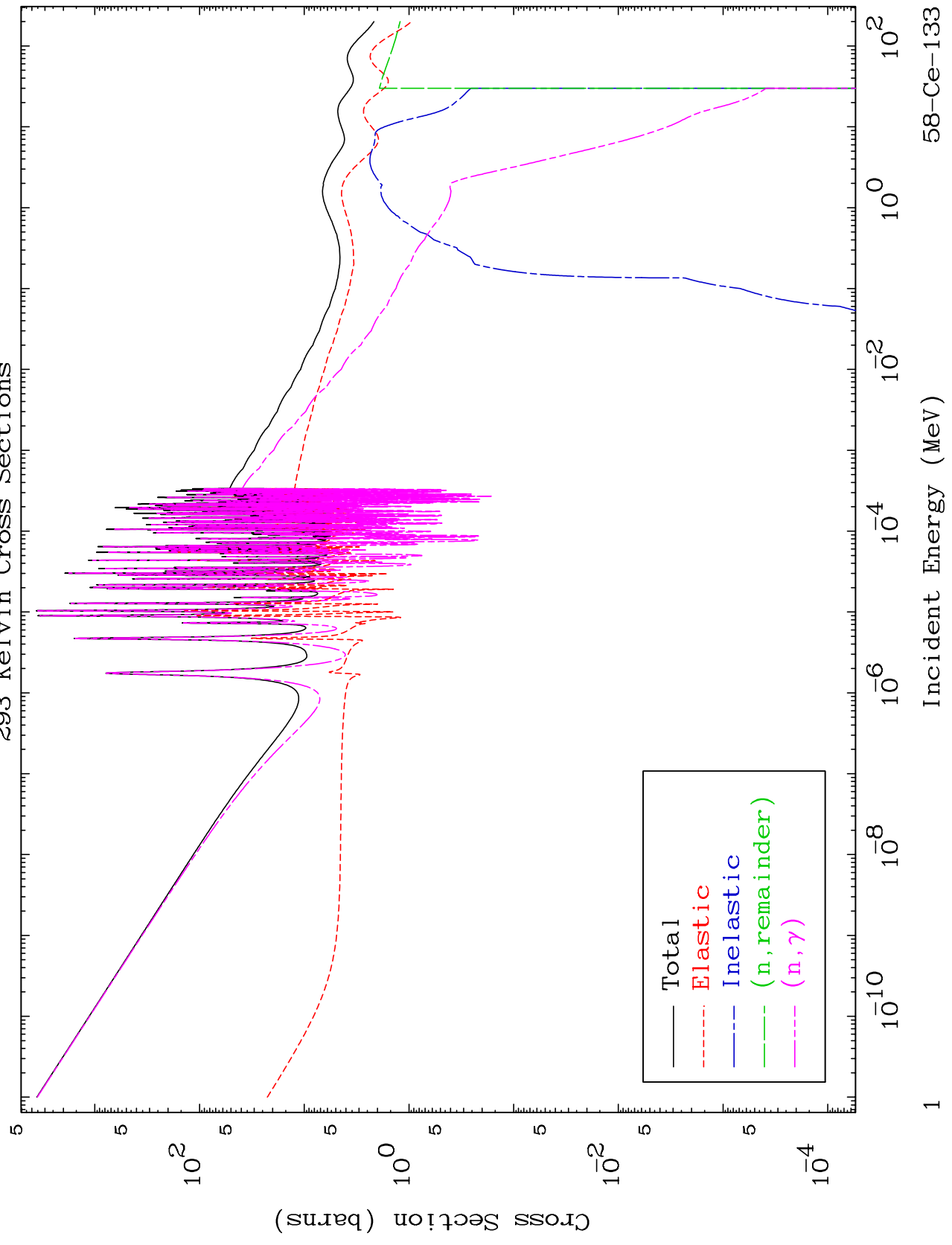
Press Mouse Button to Start

MAT 5816

Major

293 Kelvin Cross Sections

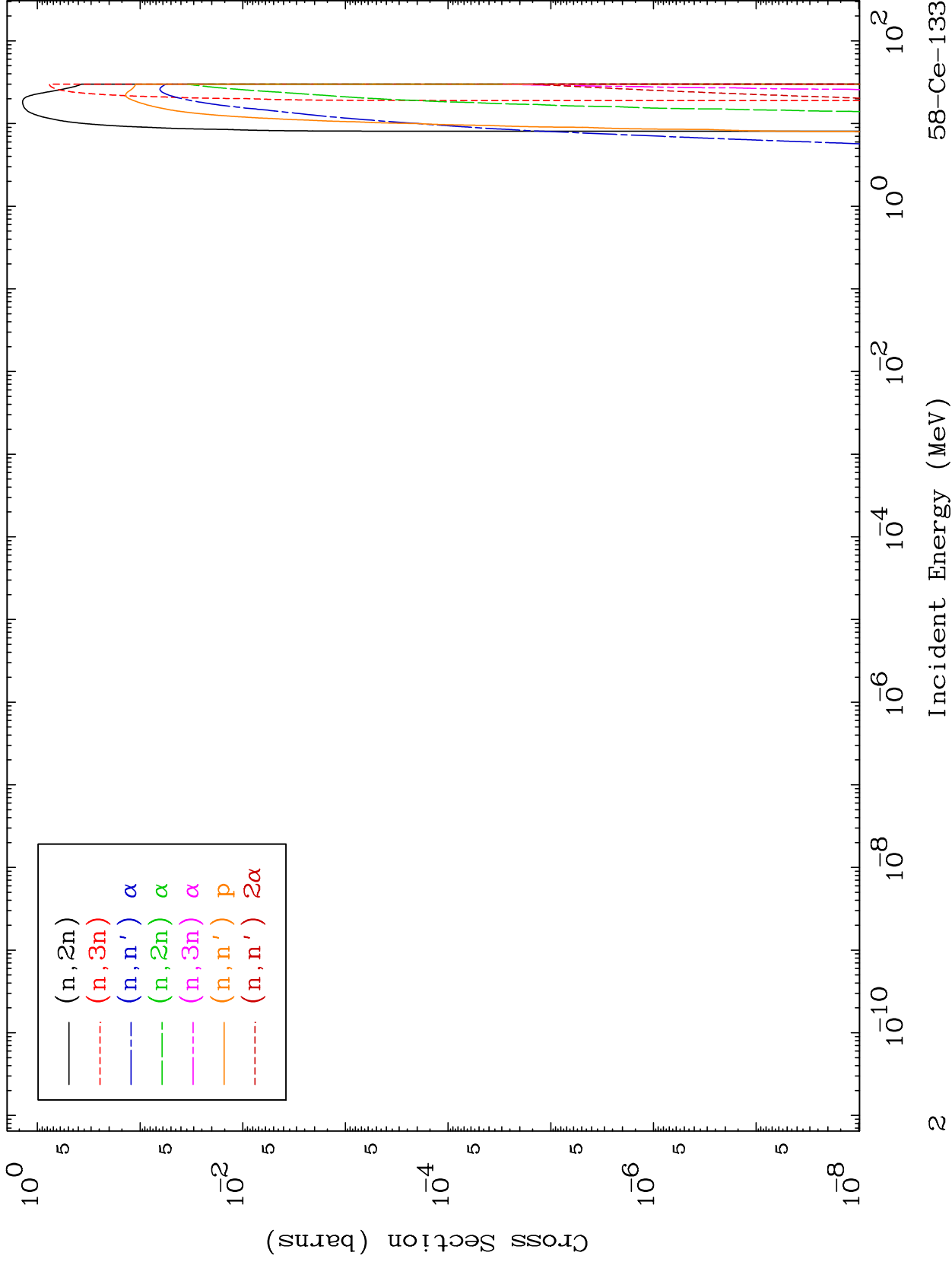
58-Ce-133

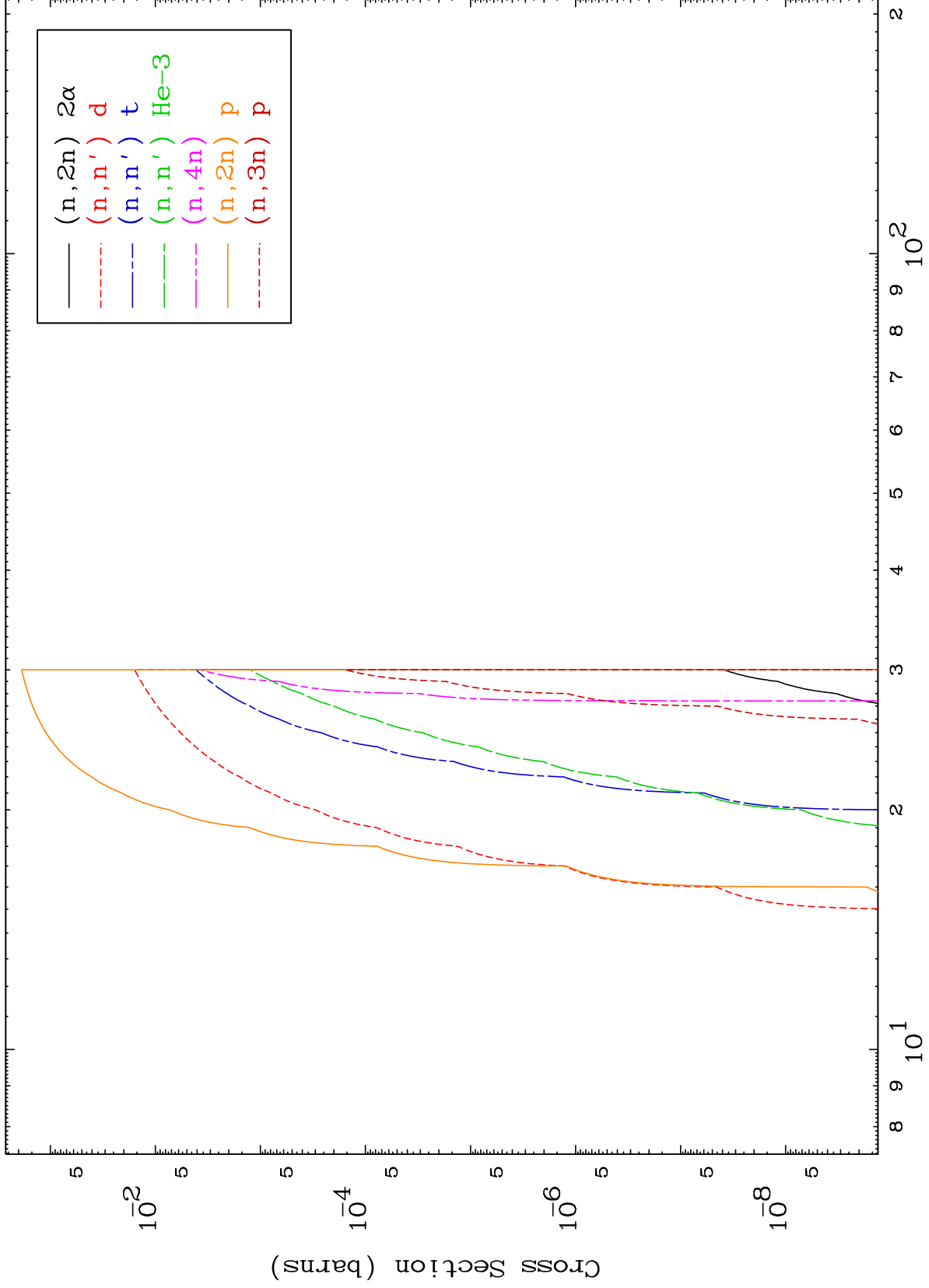


MAT 5816

Neutron Production
293 Kelvin Cross Sections

58-Ce-133

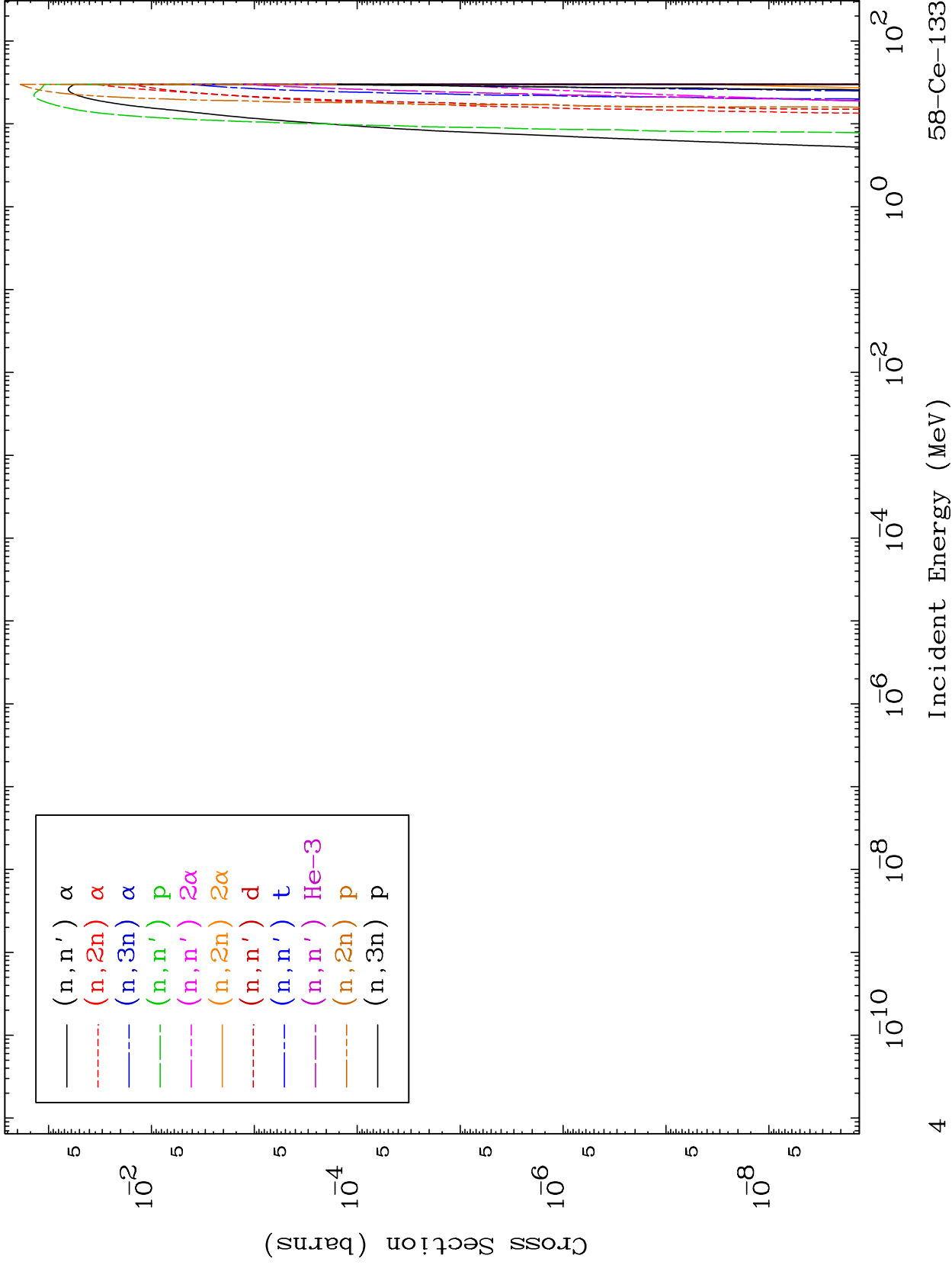




MAT 5816

Charged Particle
293 Kelvin Cross Sections

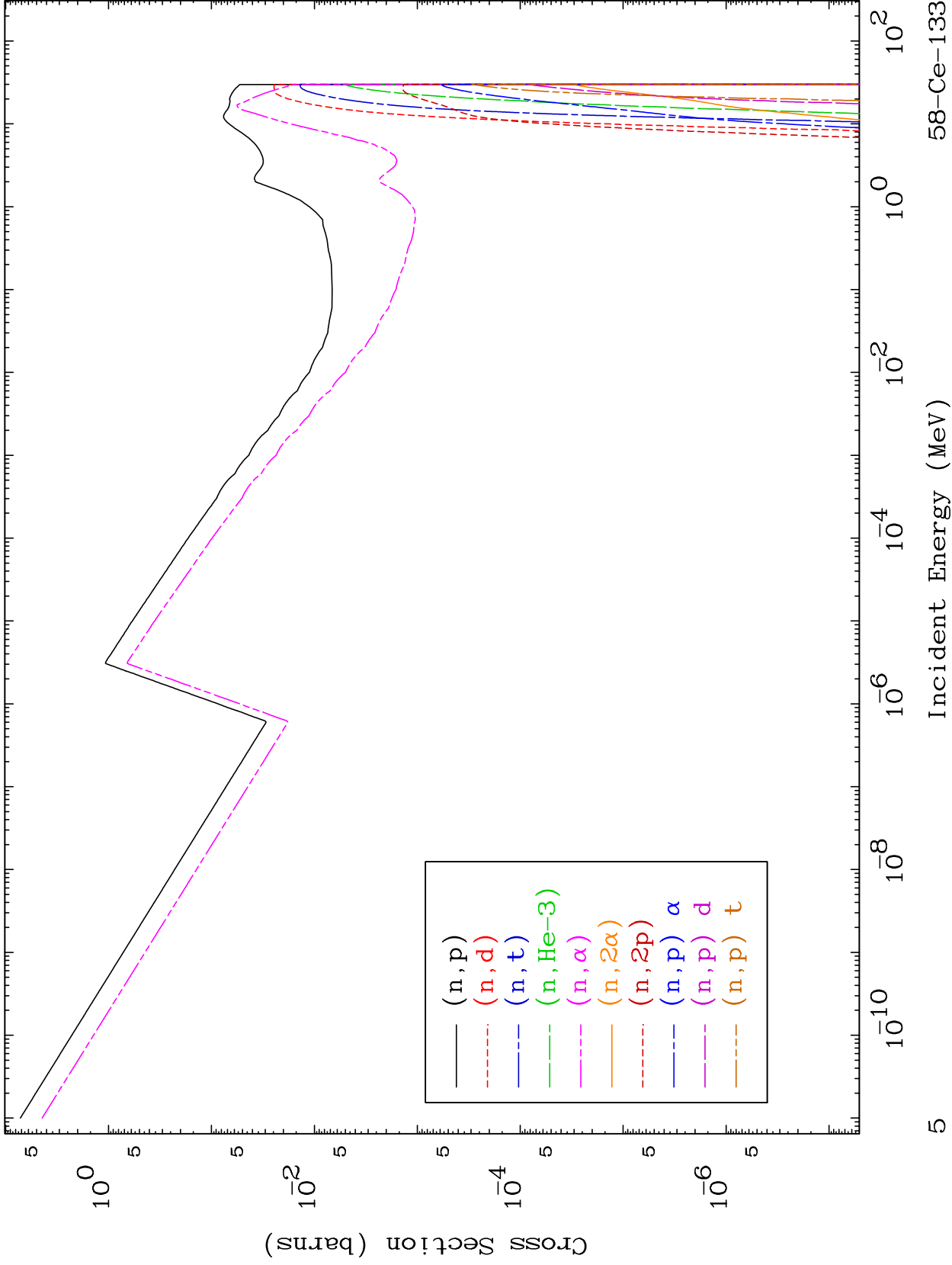
58-Ce-133



MAT 5816

Charged Particle
293 Kelvin Cross Sections

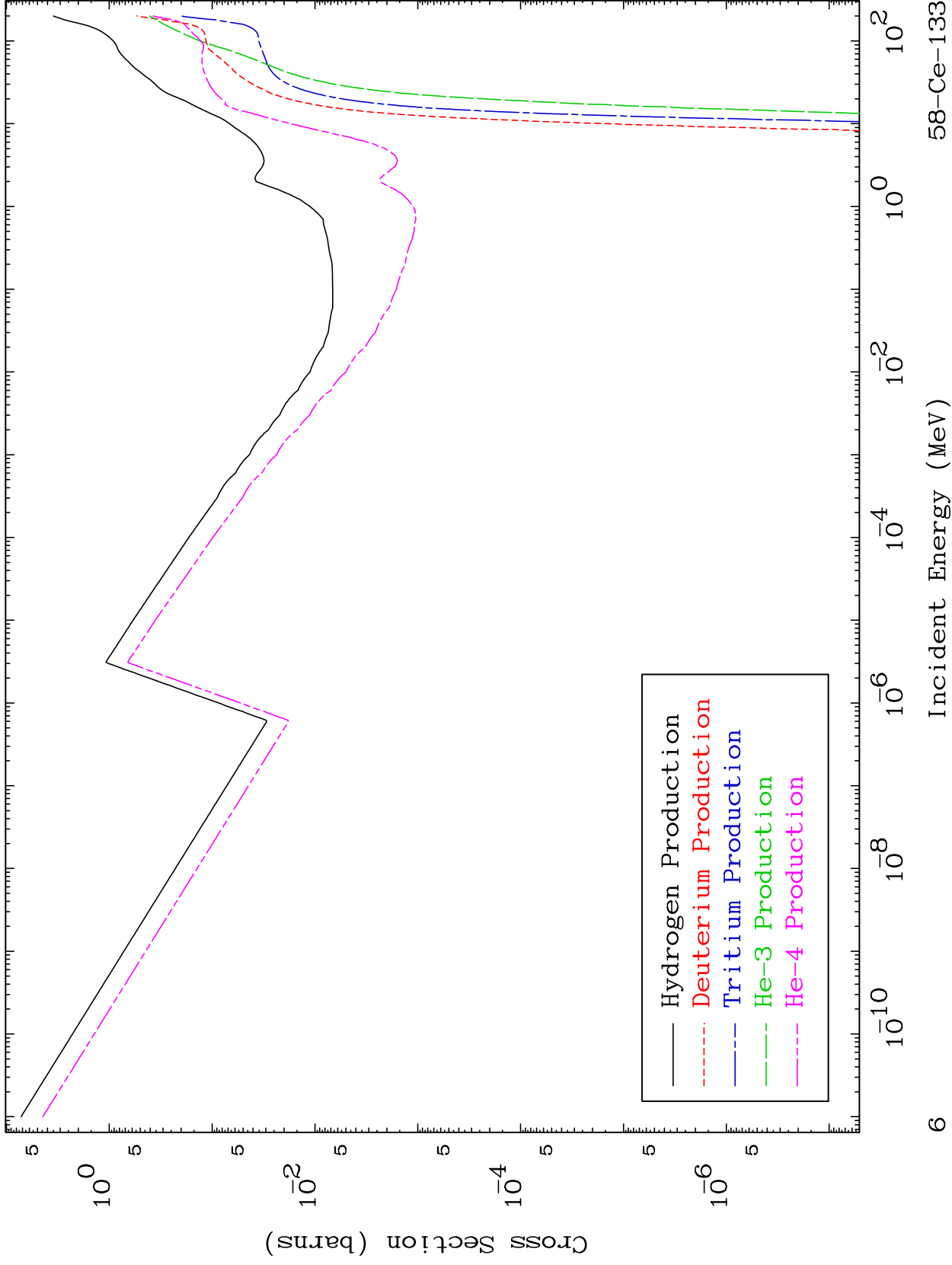
58-Ce-133

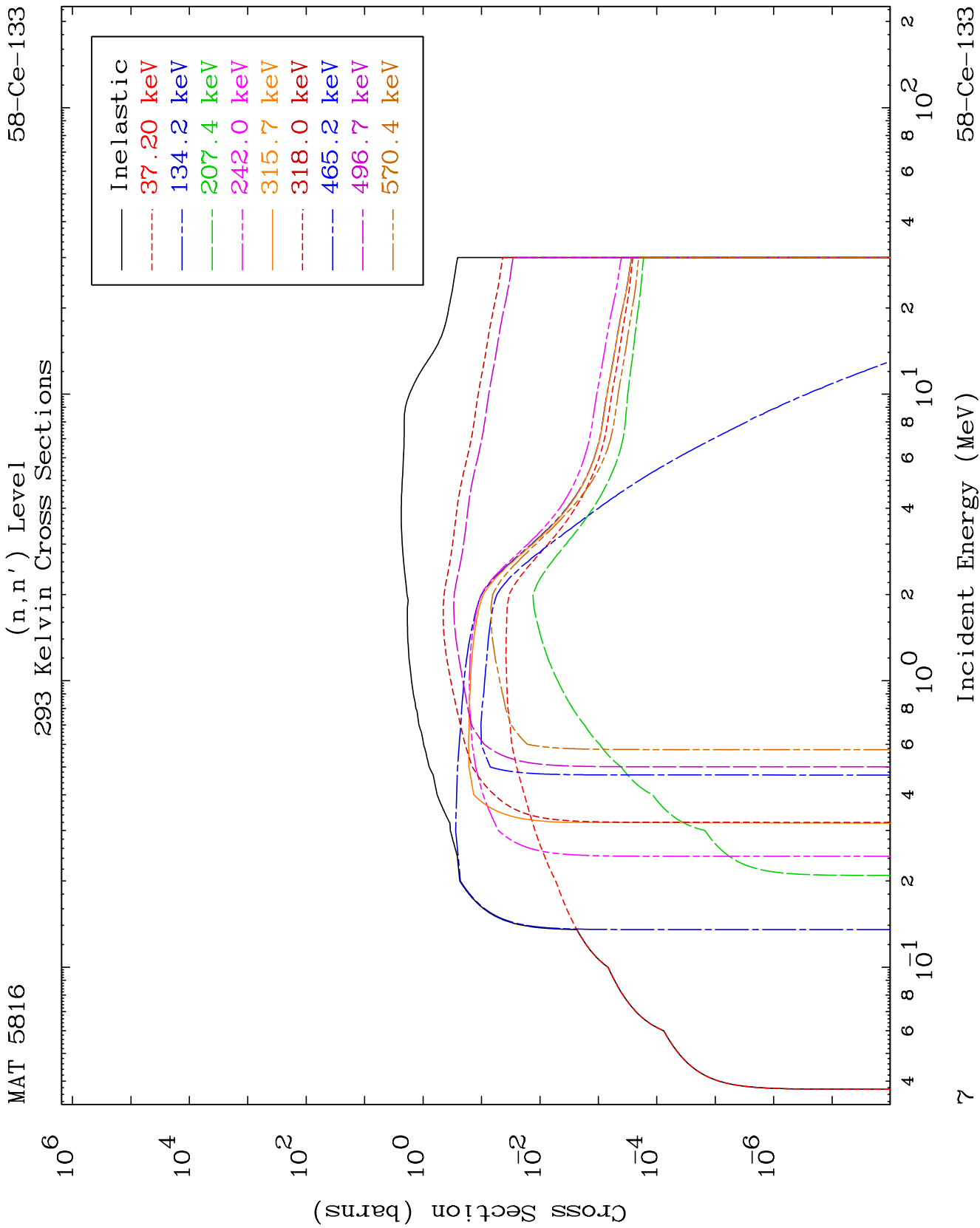


MAT 5816

Particle Production
293 Kelvin Cross Sections

58-Ce-133



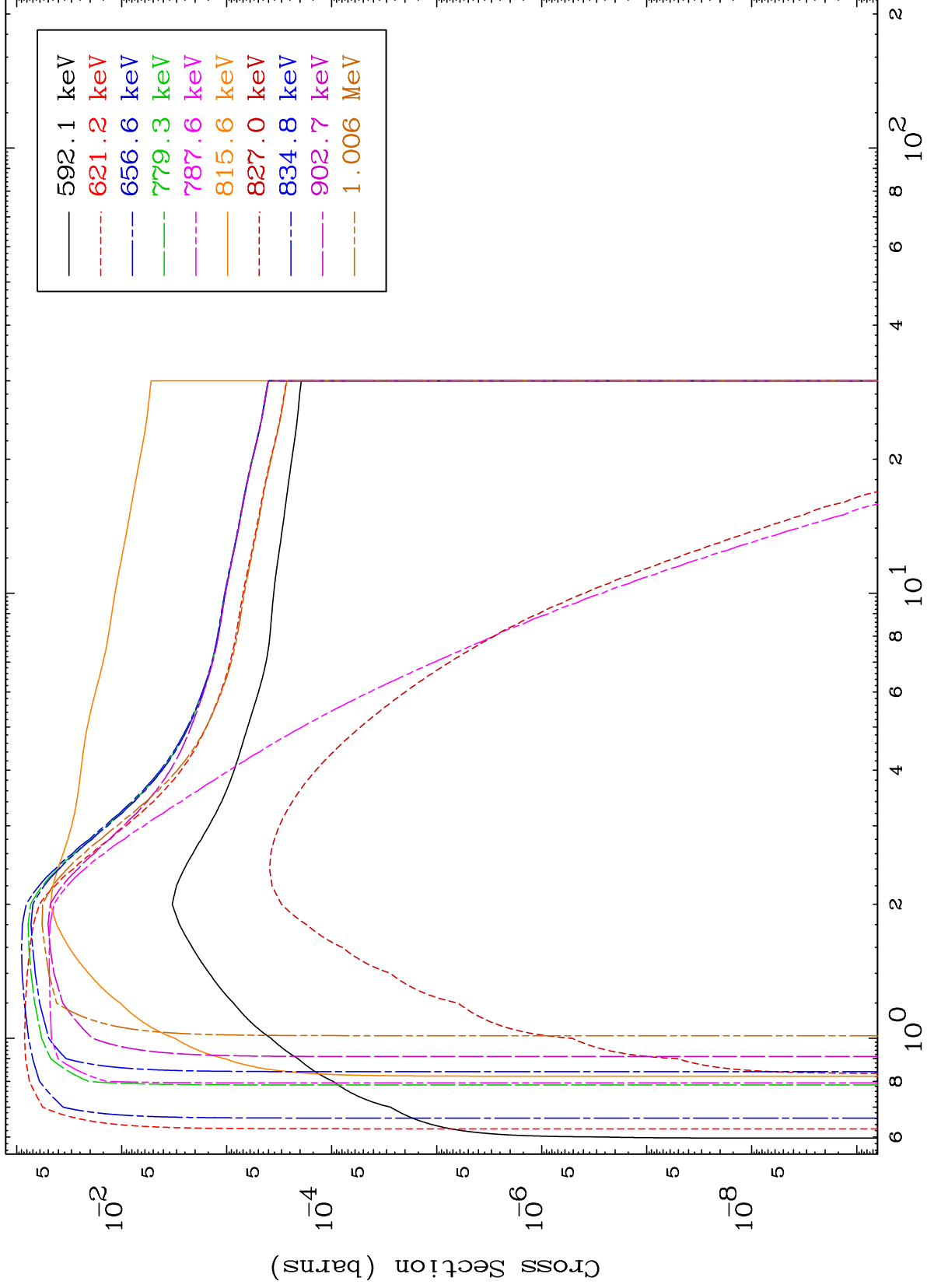


MAT 5816

(n,n') Level

58-Ce-133

293 Kelvin Cross Sections



8

Incident Energy (MeV)

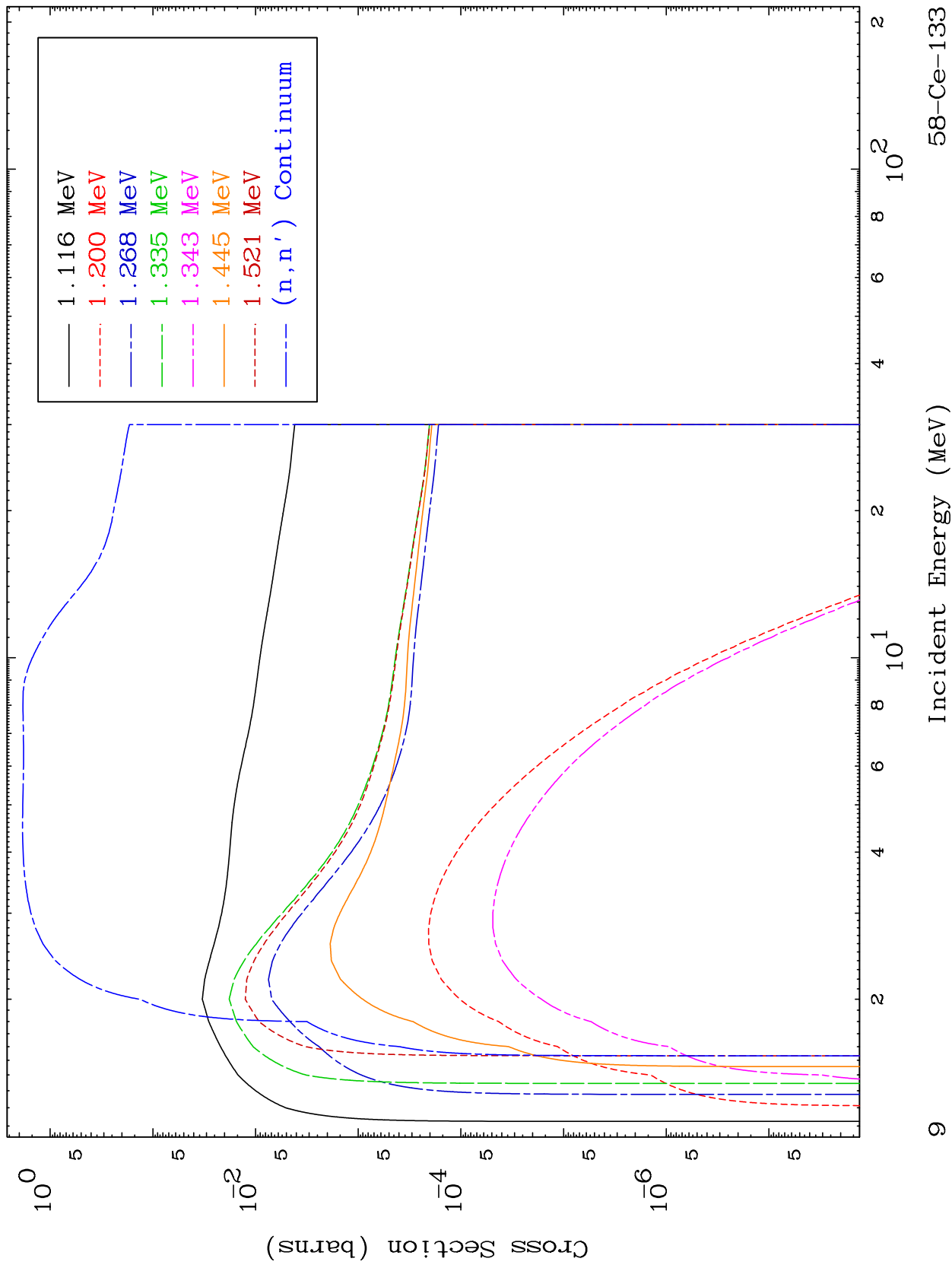
58-Ce-133

MAT 5816

(n,n') Level

58-Ce-133

293 Kelvin Cross Sections



9

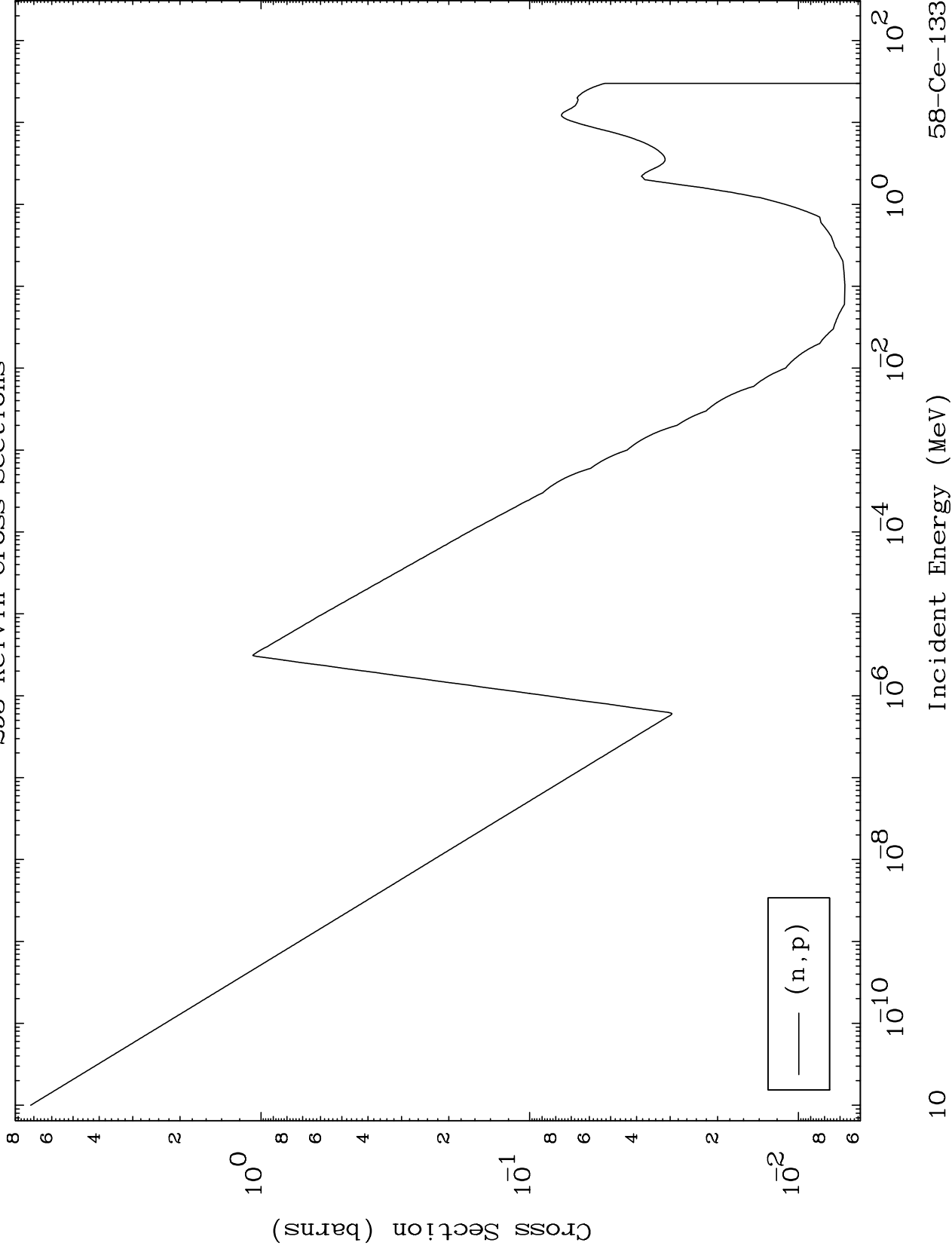
Incident Energy (MeV)

58-Ce-133

MAT 5816

(n,p) Levels
293 Kelvin Cross Sections

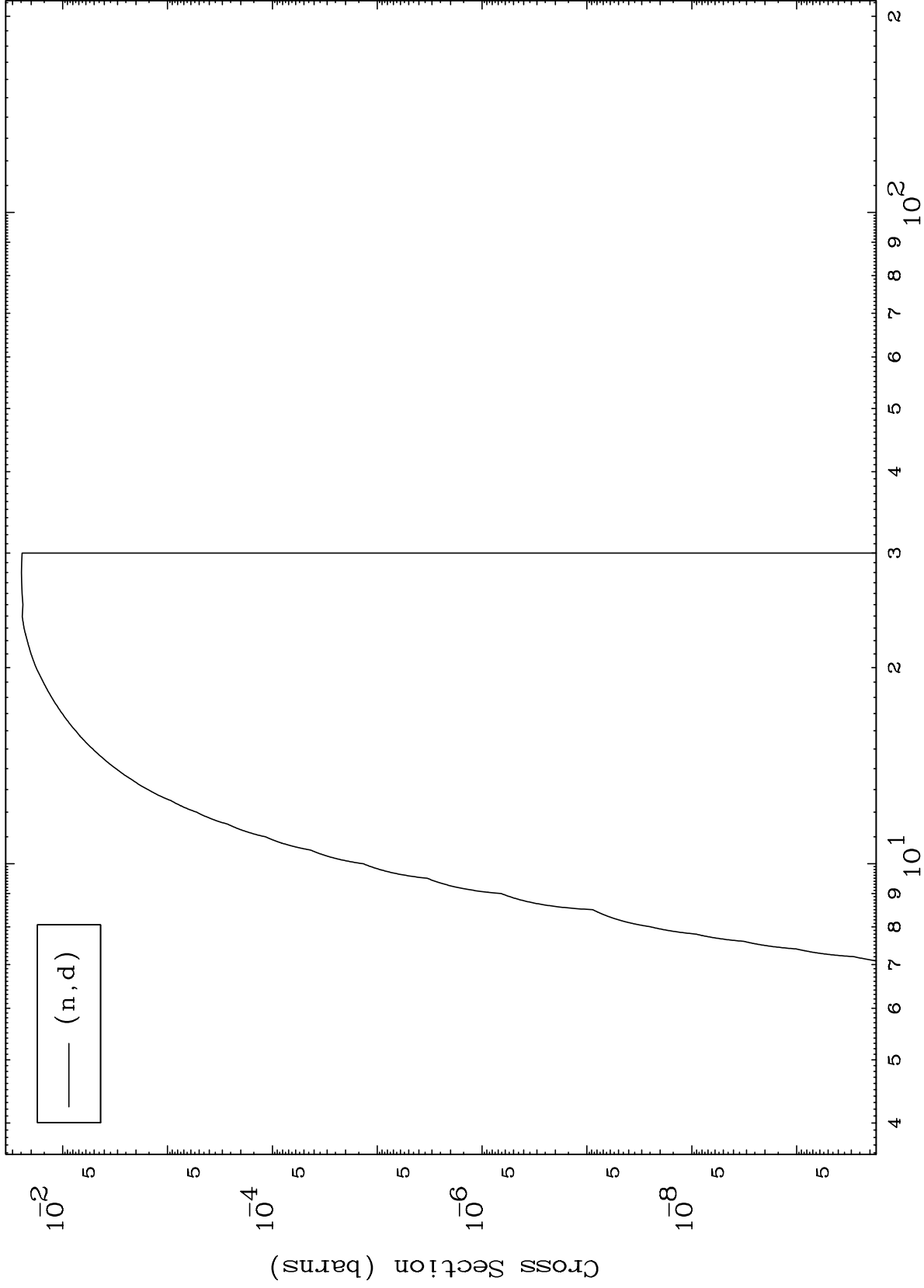
58-Ce-133



MAT 5816

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-133



11

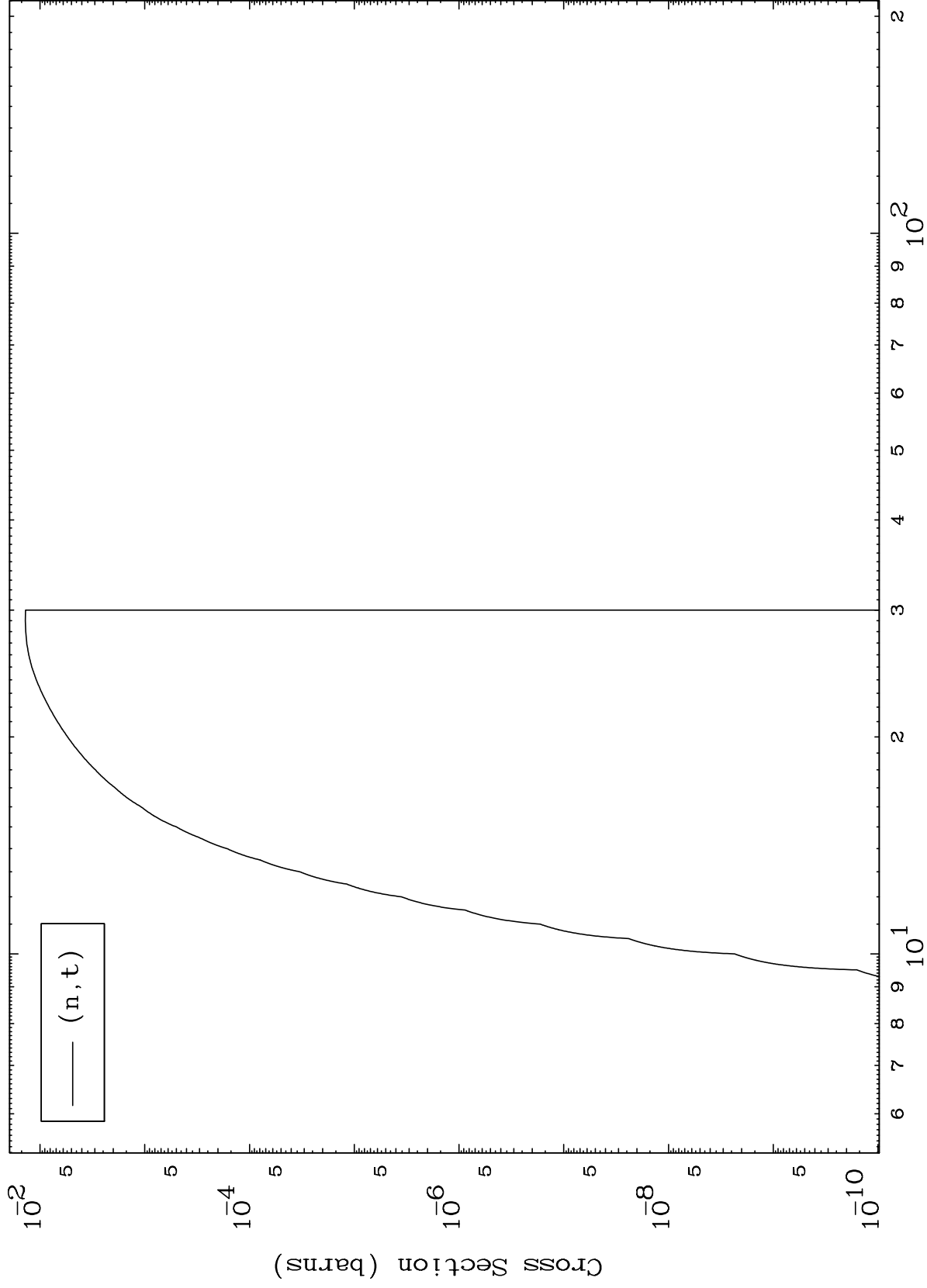
Incident Energy (MeV)

58-Ce-133

MAT 5816

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-133



12

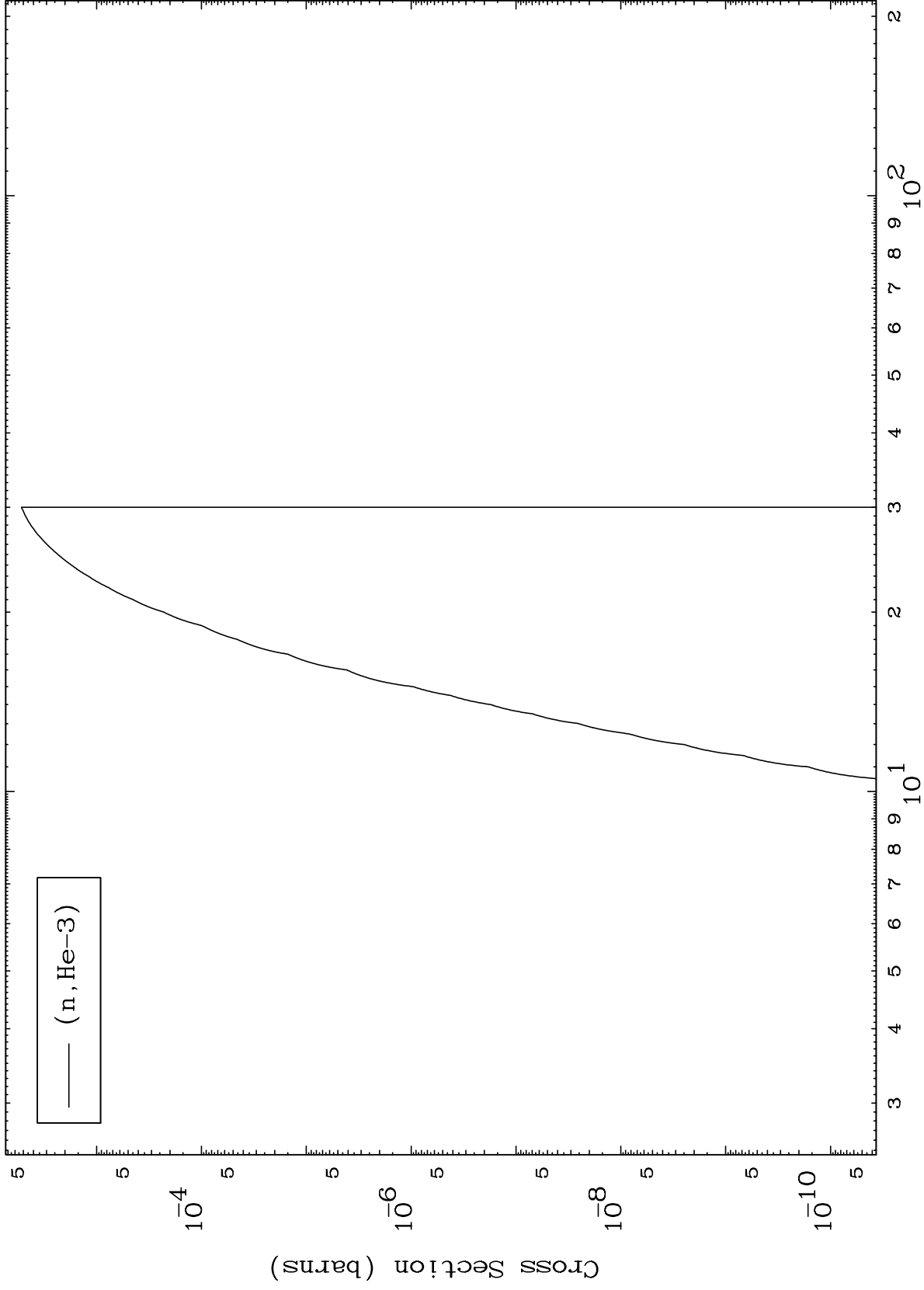
Incident Energy (MeV)

58-Ce-133

MAT 5816

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-133



13

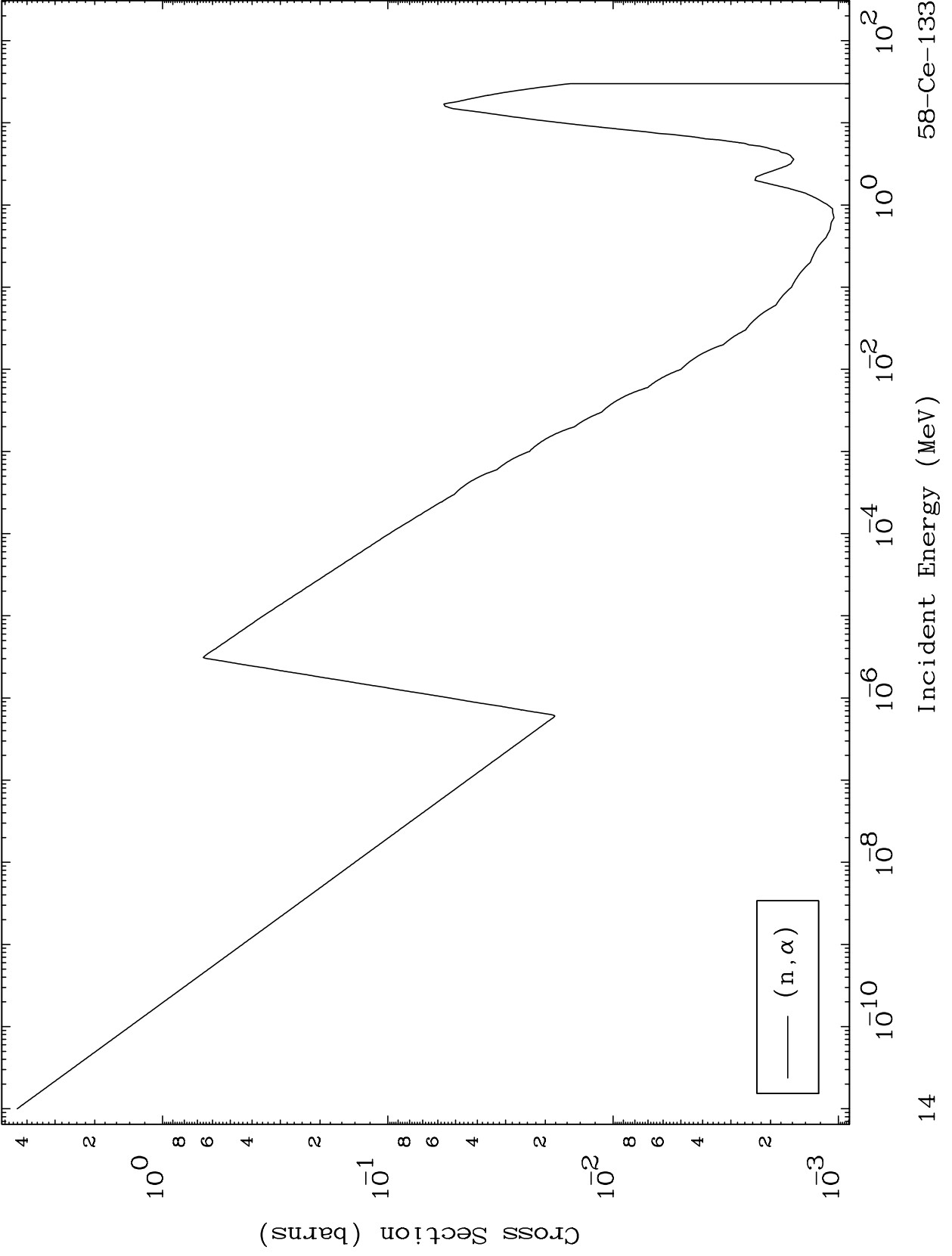
Incident Energy (MeV)

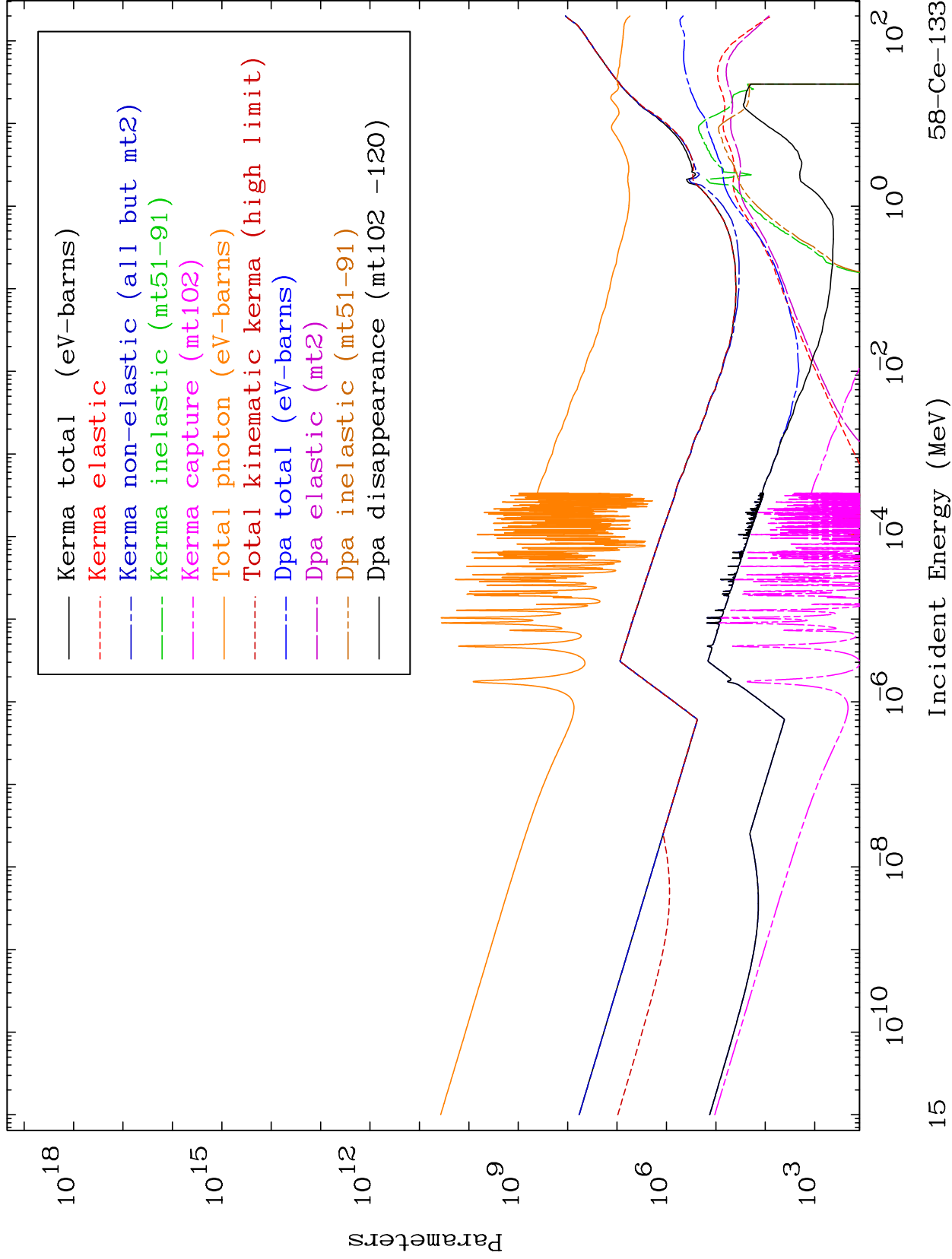
58-Ce-133

MAT 5816

(n, α) Levels
293 Kelvin Cross Sections

58-Ce-133

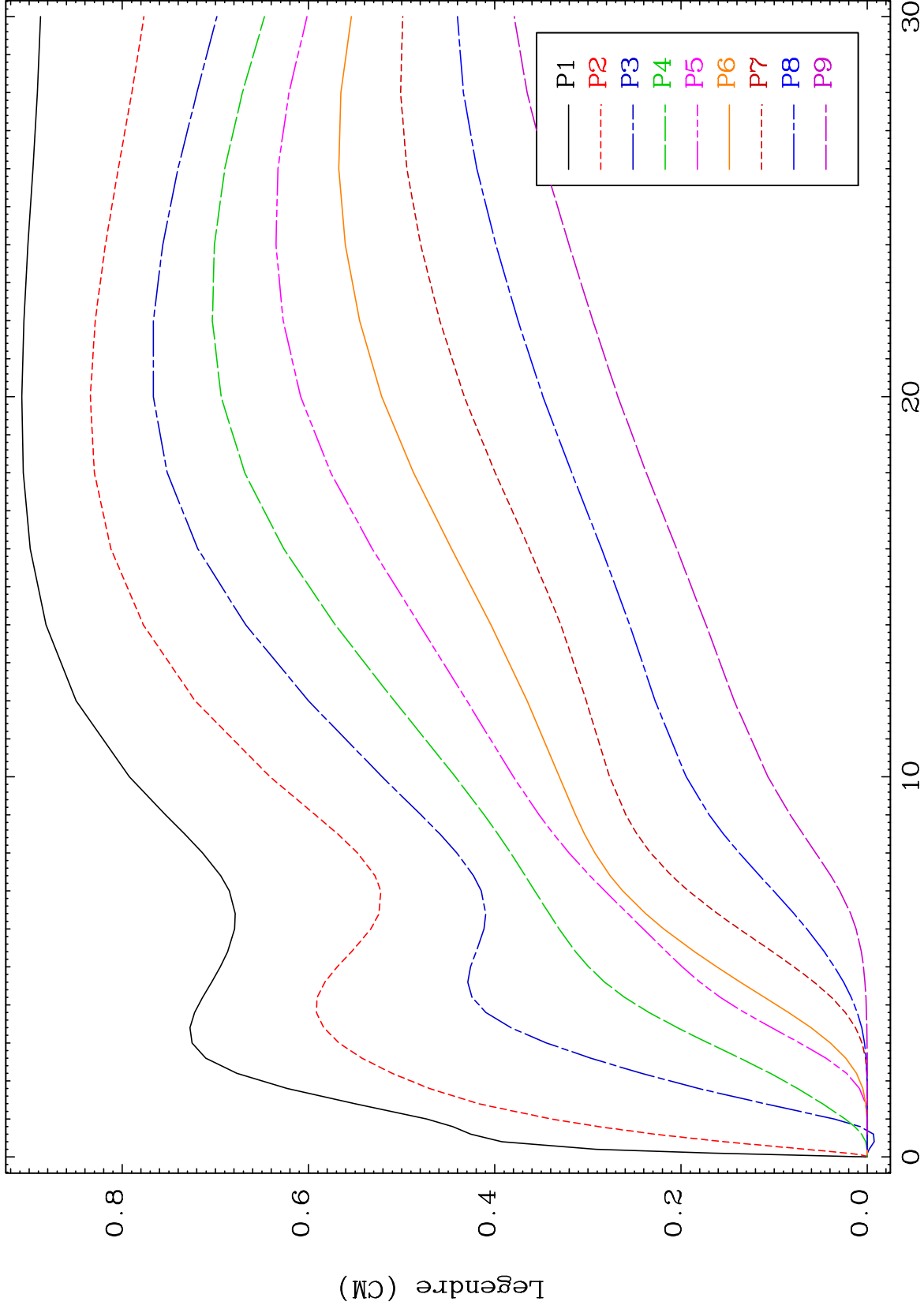




MAT 5816

Elastic Legendre Coefficients

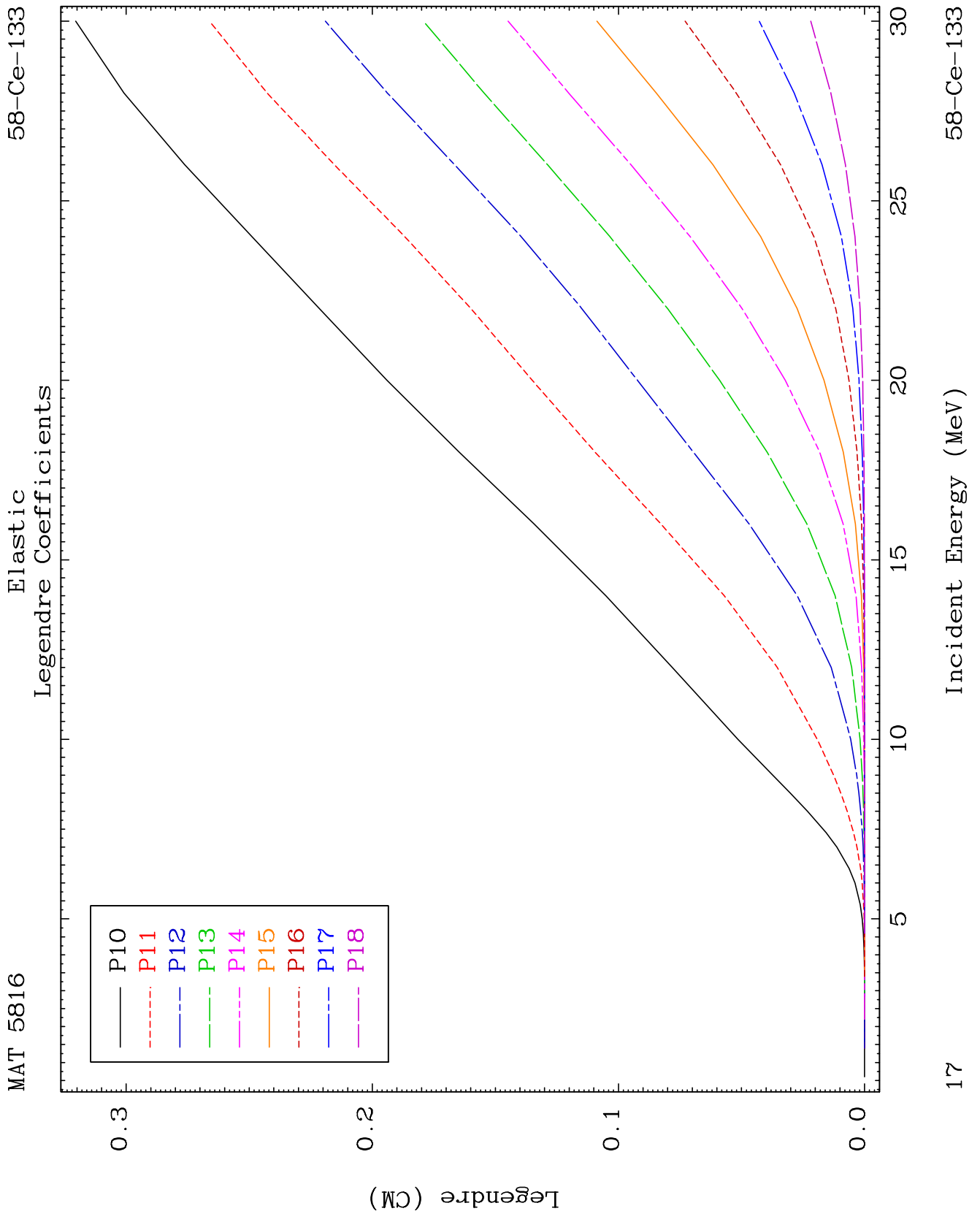
58-Ce-133



16

Incident Energy (MeV)

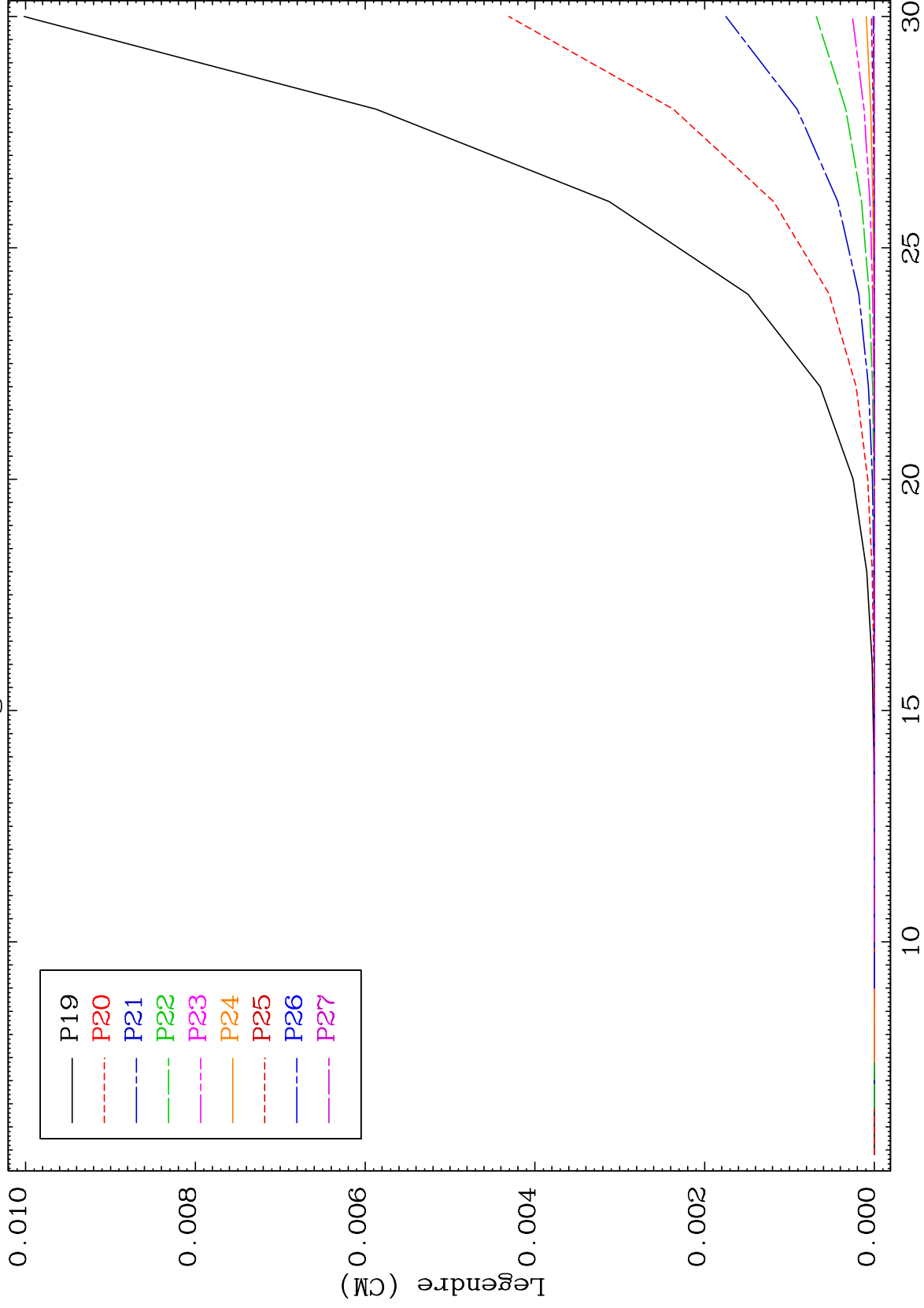
58-Ce-133



MAT 5816

Elastic Legendre Coefficients

58-Ce-133



18

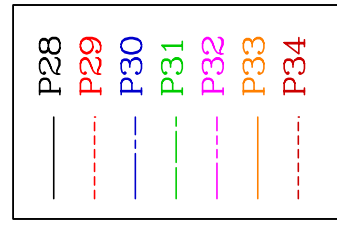
Incident Energy (MeV)

58-Ce-133

MAT 5816

Elastic
Legendre Coefficients

58-Ce-133



$\times 10^{-7}$

Legendre (CM)

8

6

4

2

0

15

20

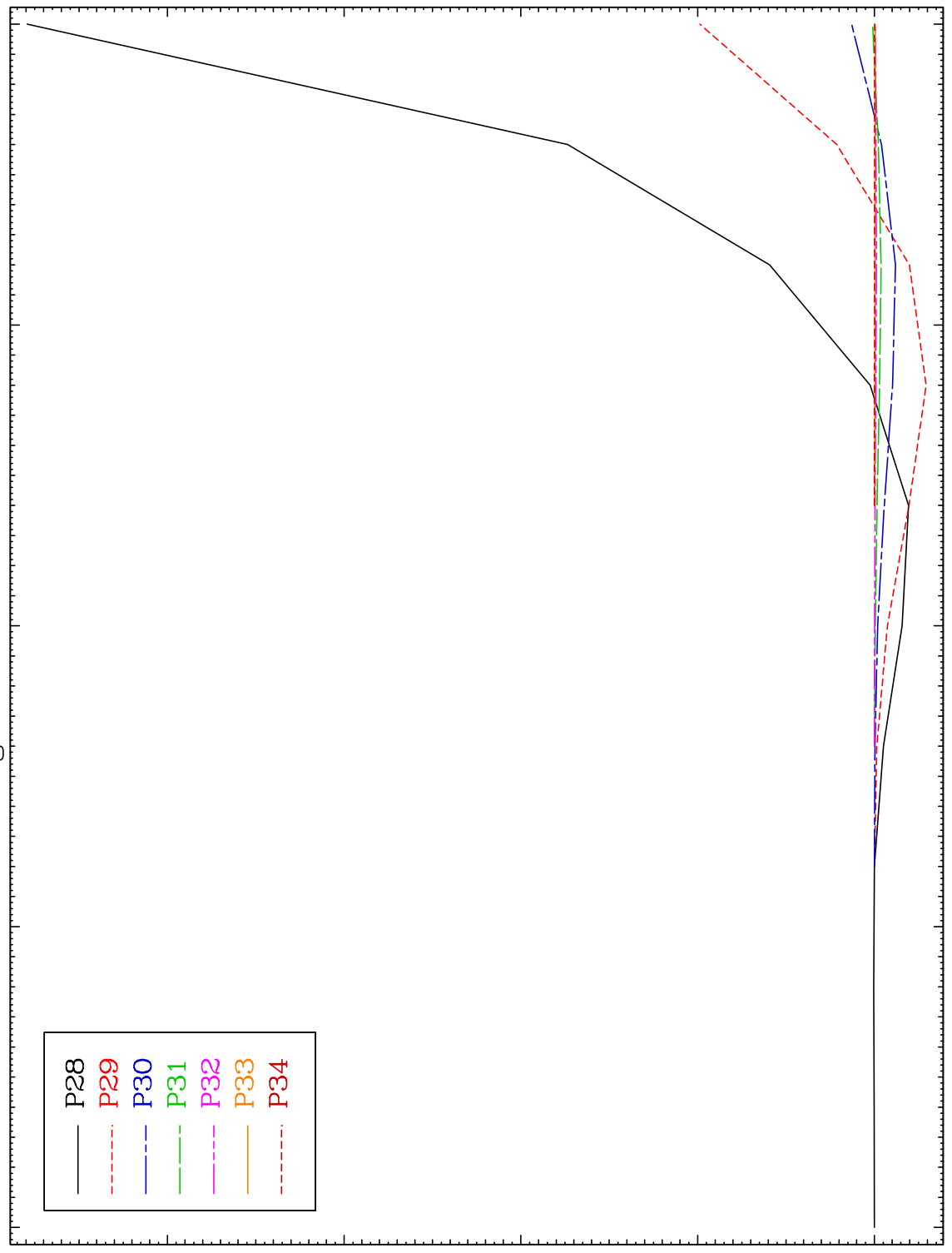
25

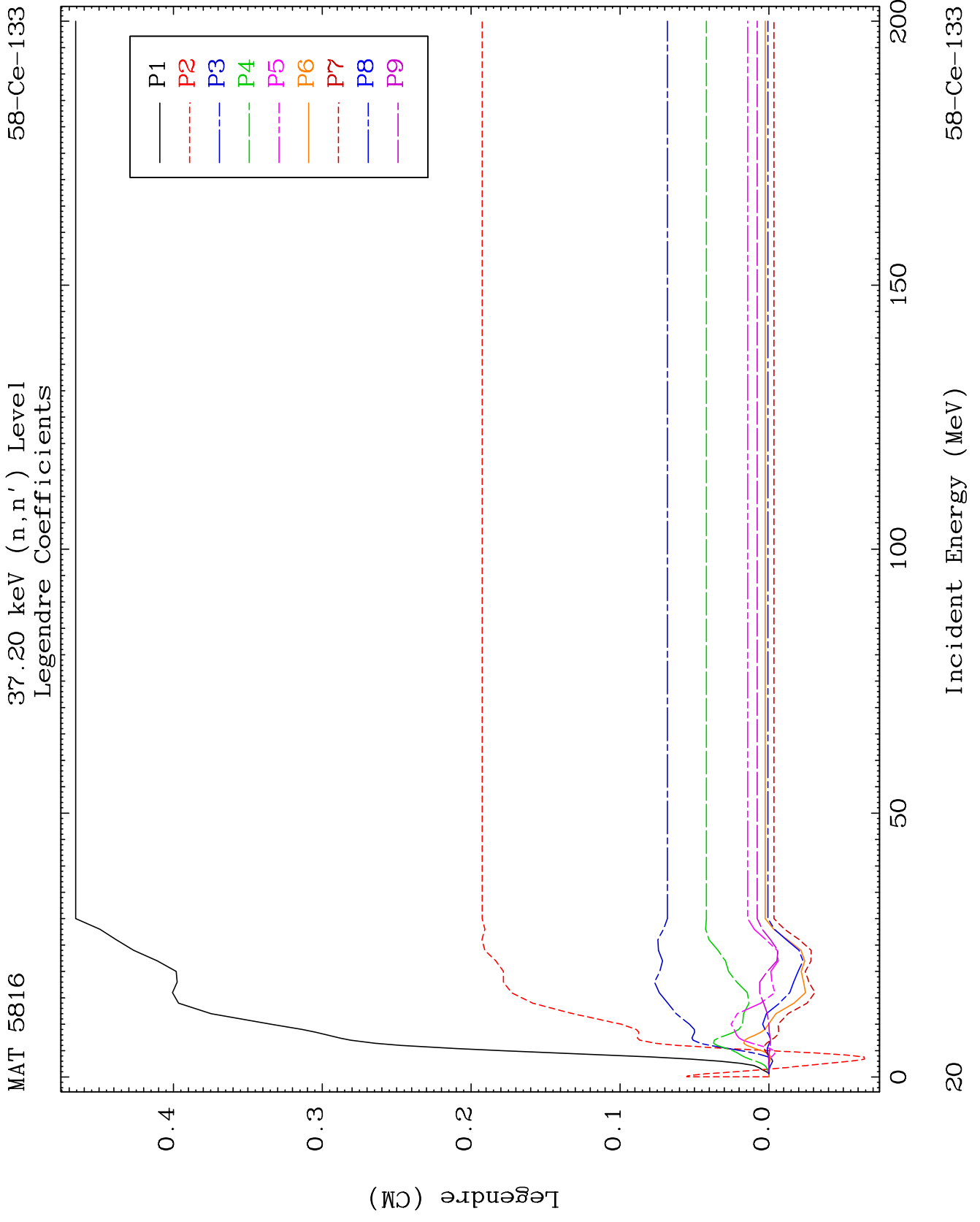
30

19

Incident Energy (MeV)

58-Ce-133

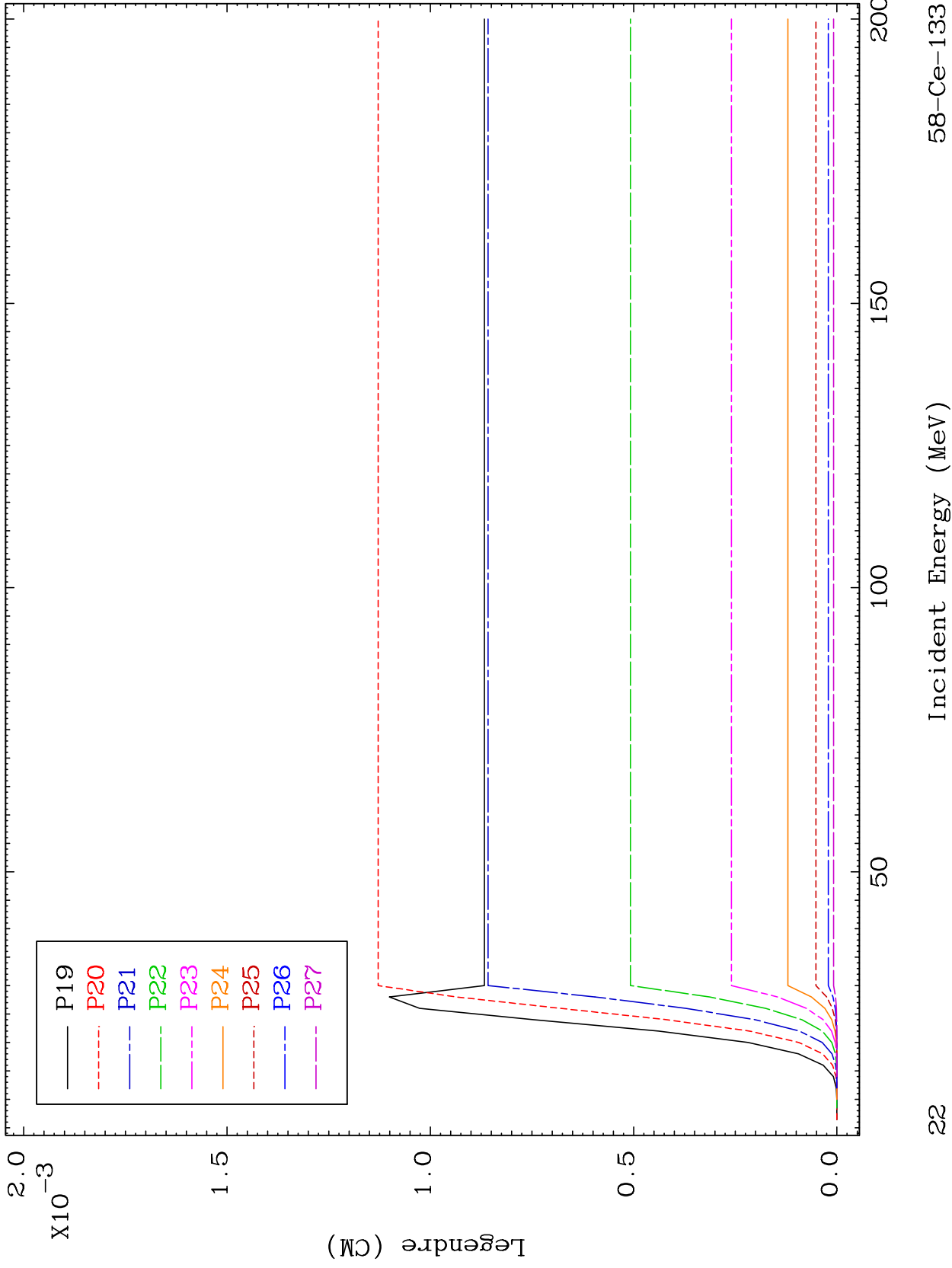




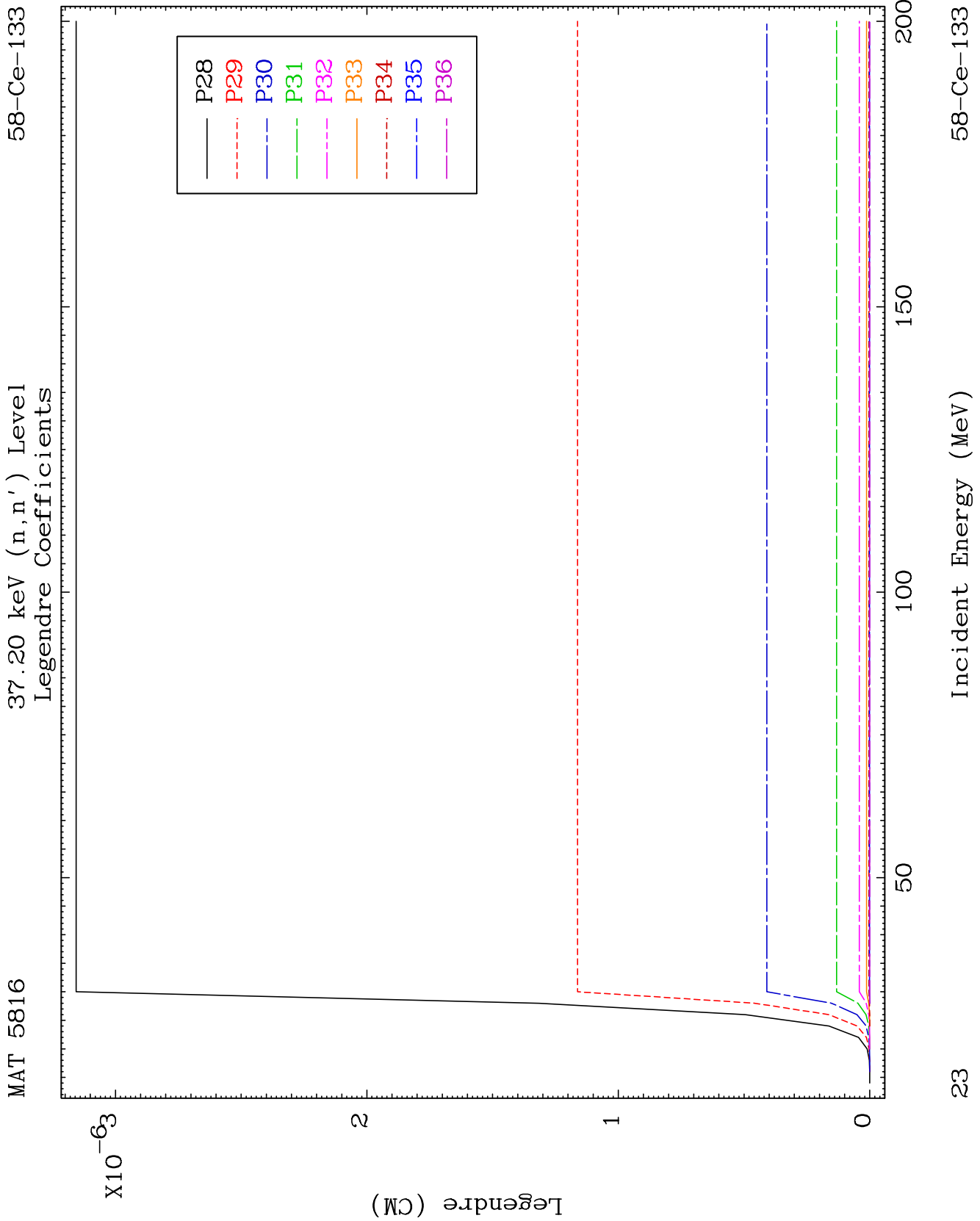
MAT 5816

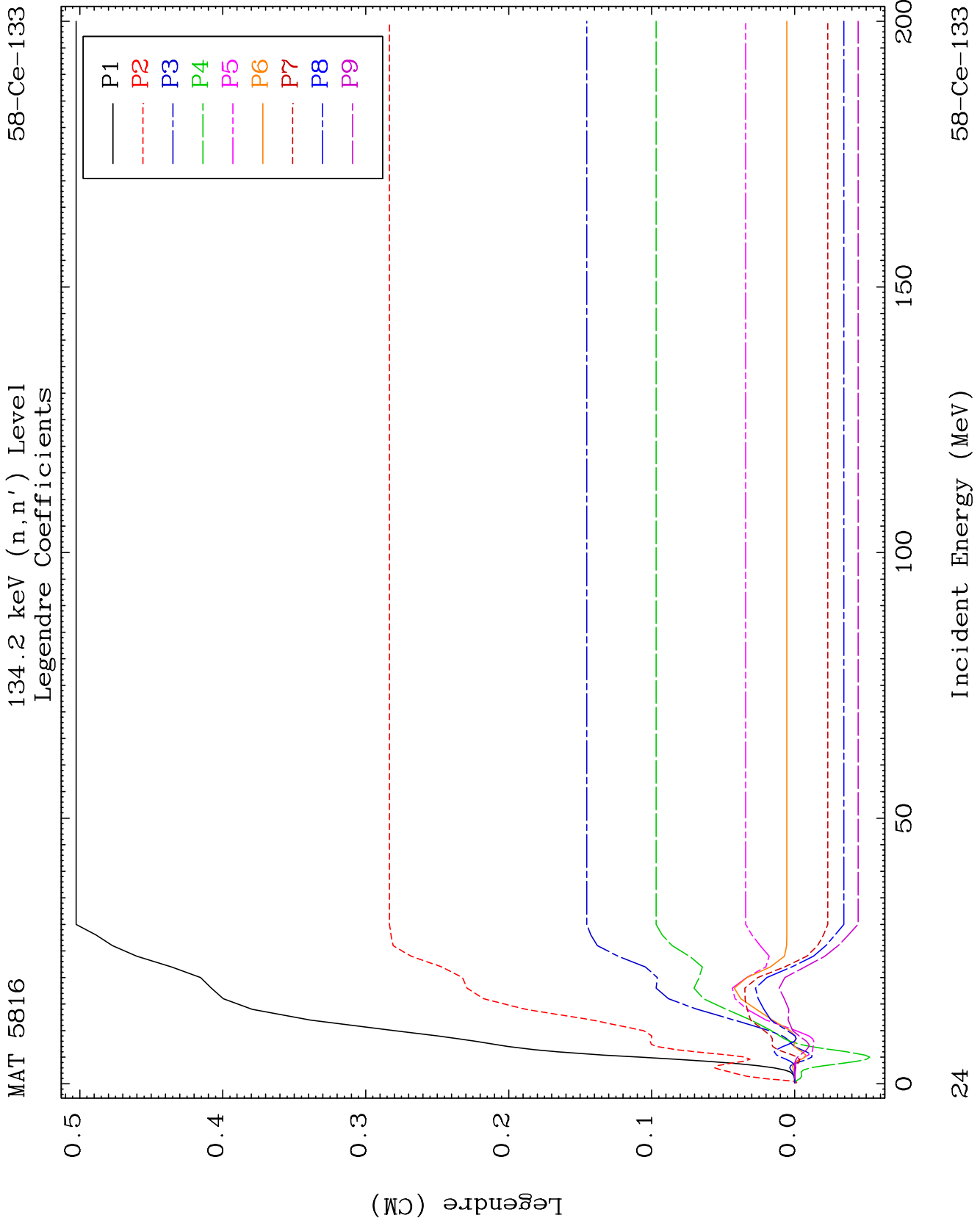
37.20 keV (n,n') Level
Legendre Coefficients

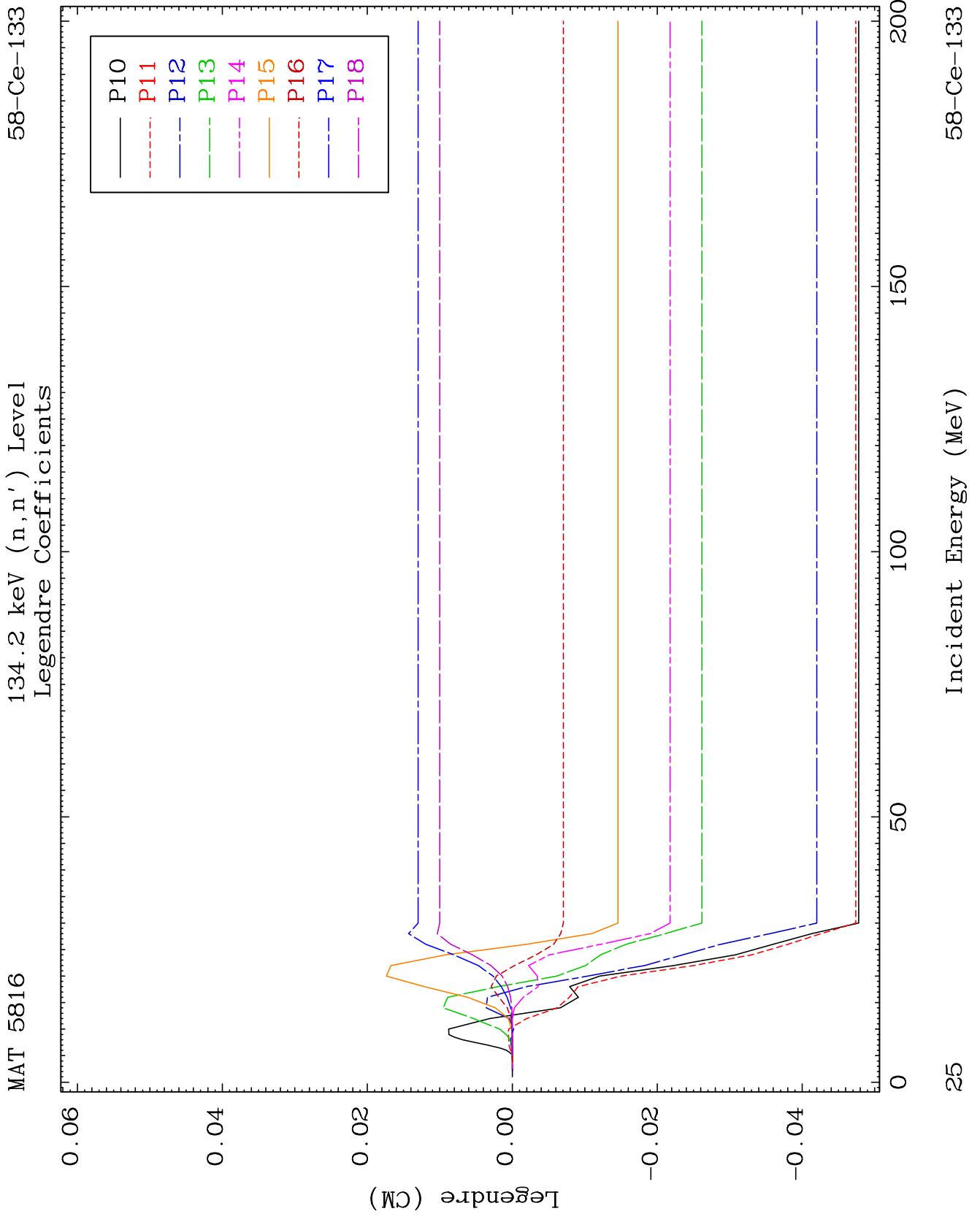
58-Ce-133



22



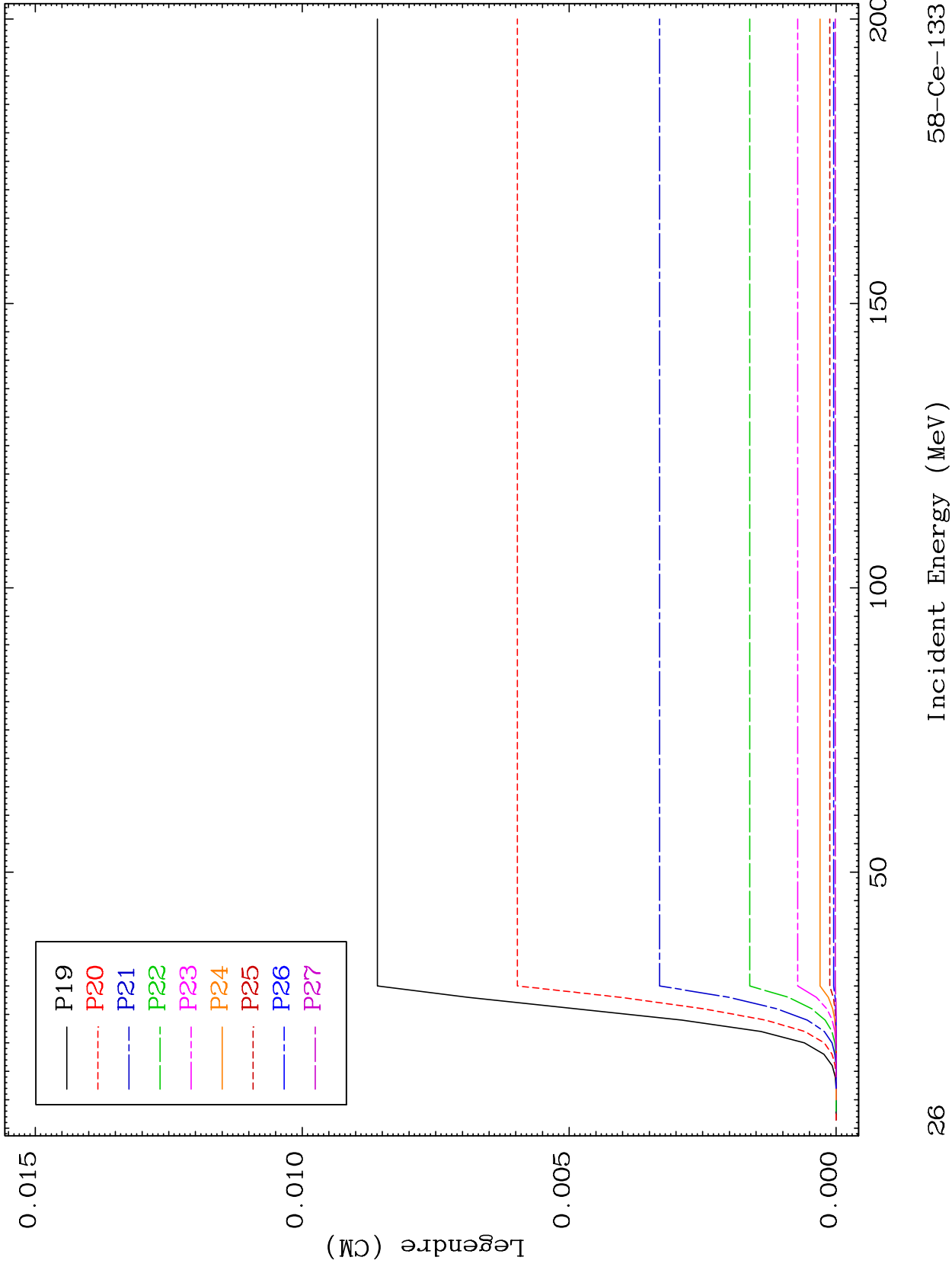




MAT 5816

134.2 keV (n,n') Level
Legendre Coefficients

58-Ce-133



26

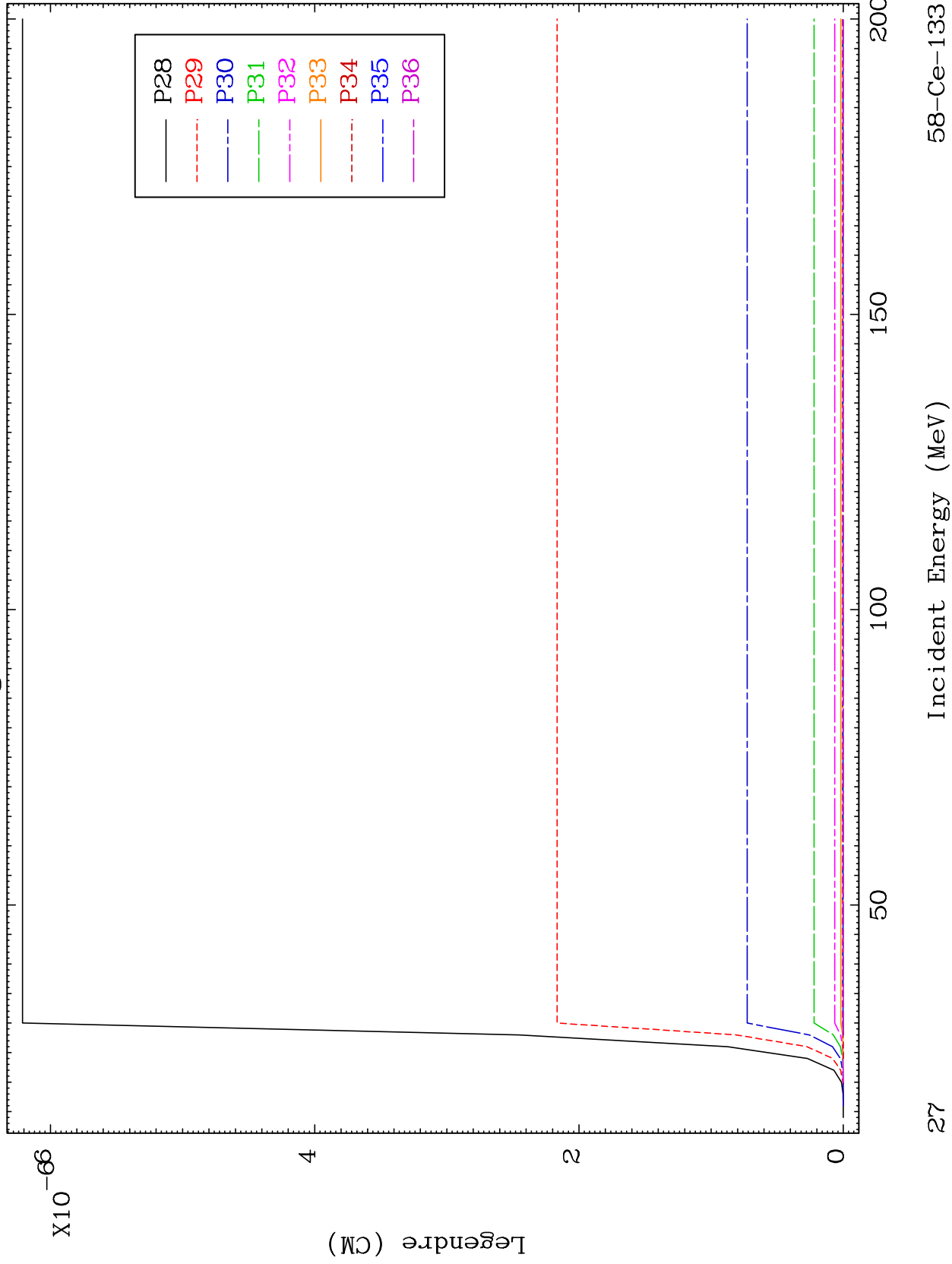
Incident Energy (MeV)

58-Ce-133

MAT 5816

134.2 keV (n,n') Level
Legendre Coefficients

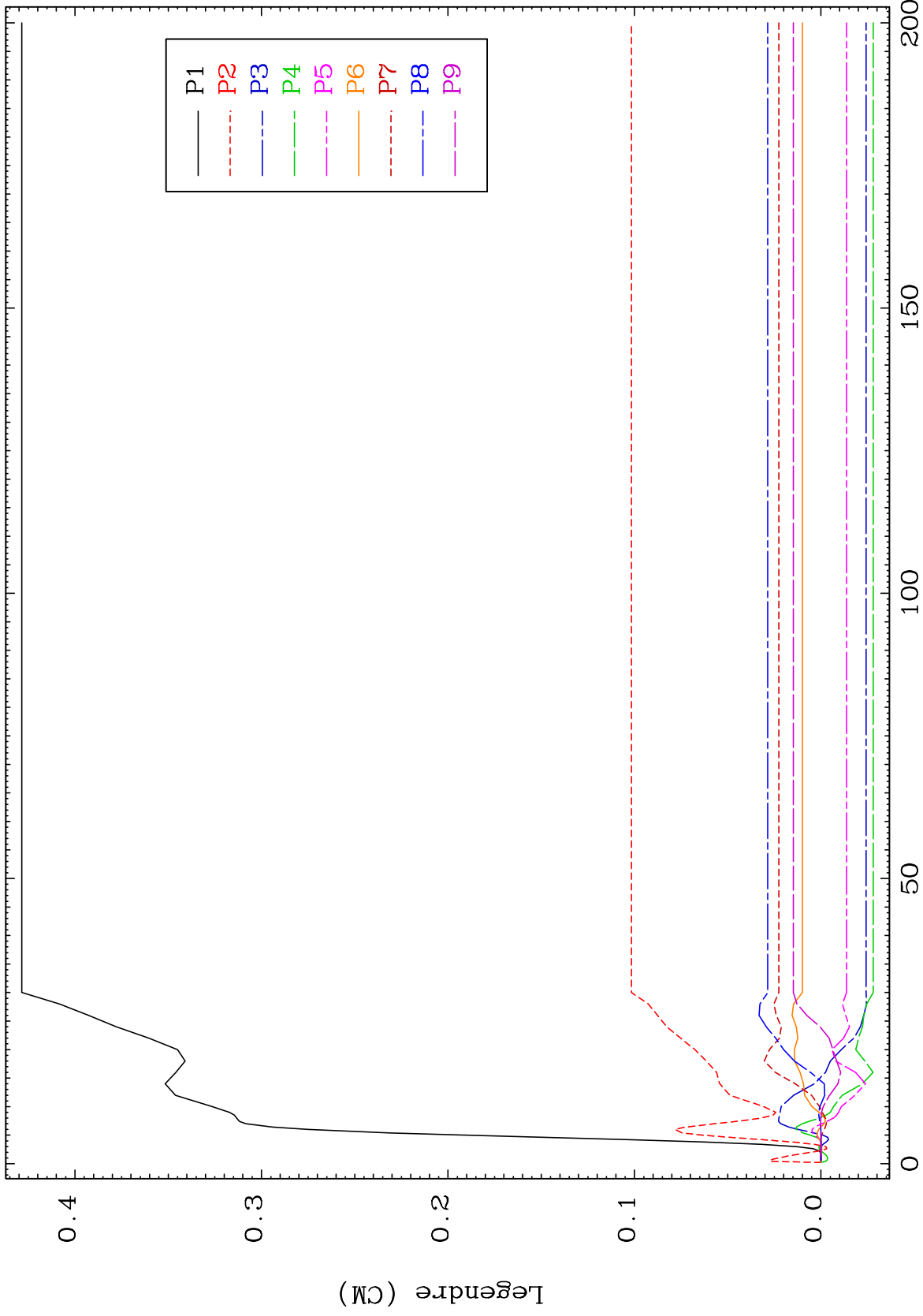
58-Ce-133



MAT 5816

207.4 keV (n,n') Level
Legendre Coefficients

58-Ce-133



28

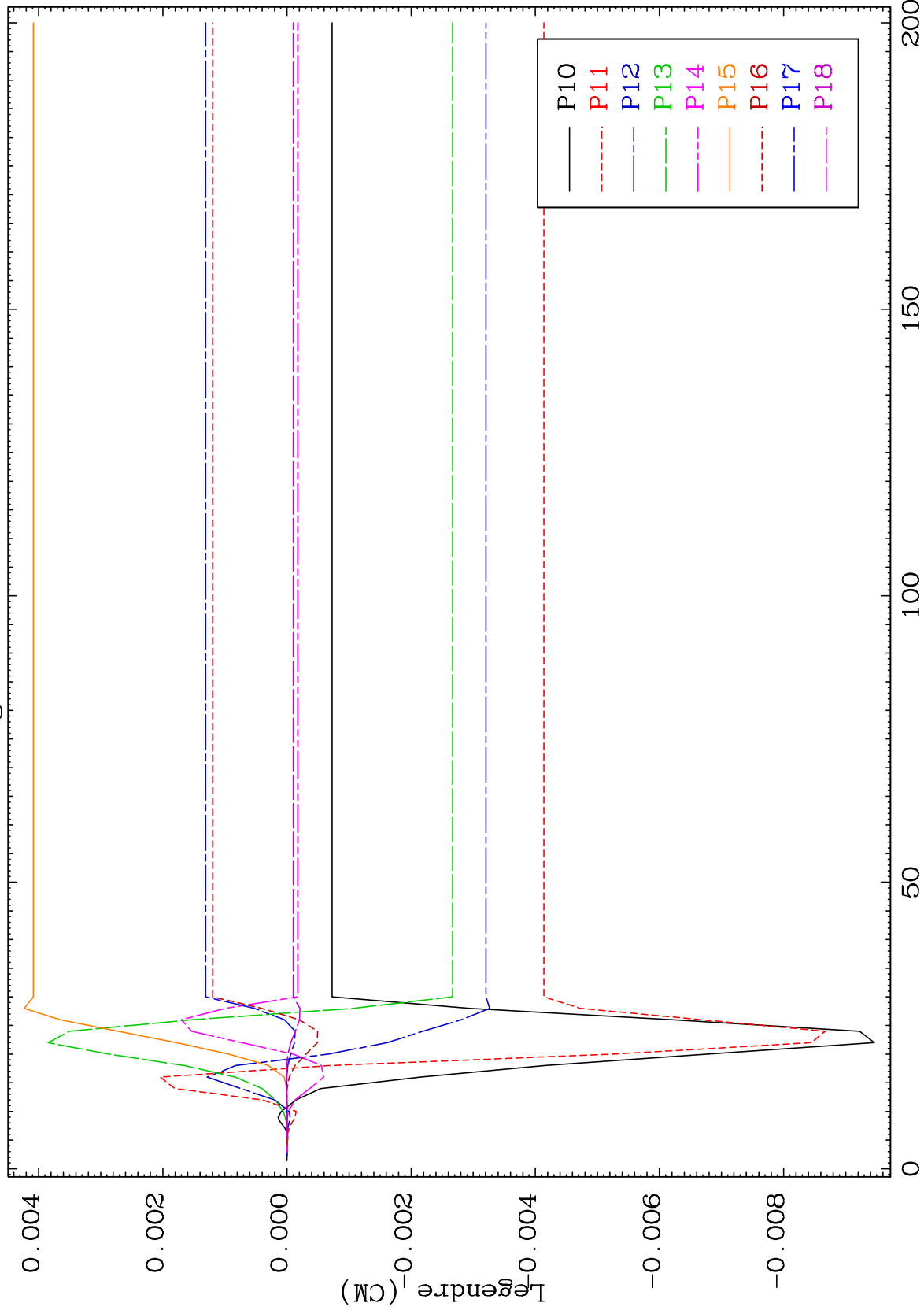
Incident Energy (MeV)

58-Ce-133

MAT 5816

207.4 keV (n,n') Level
Legendre Coefficients

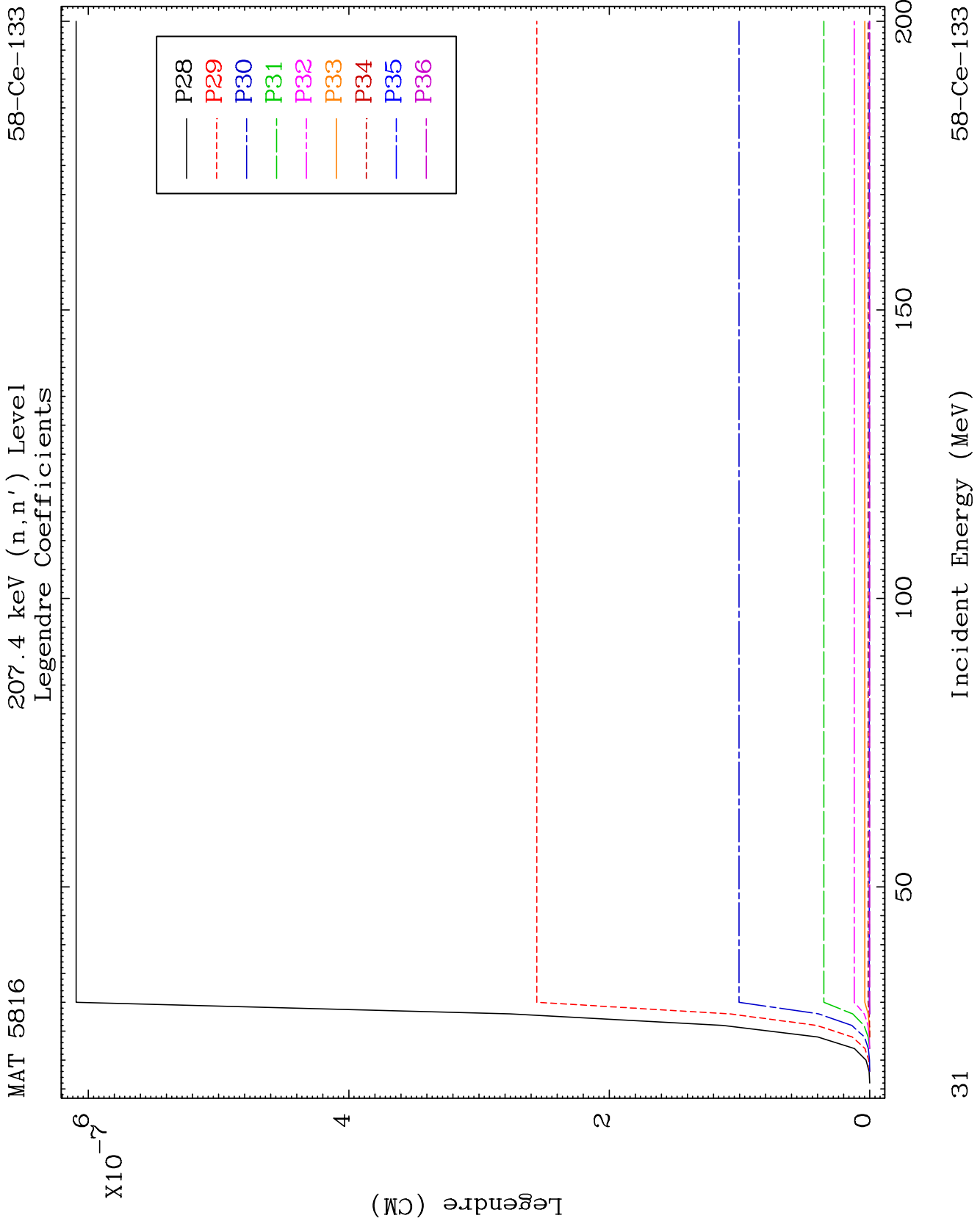
58-Ce-133

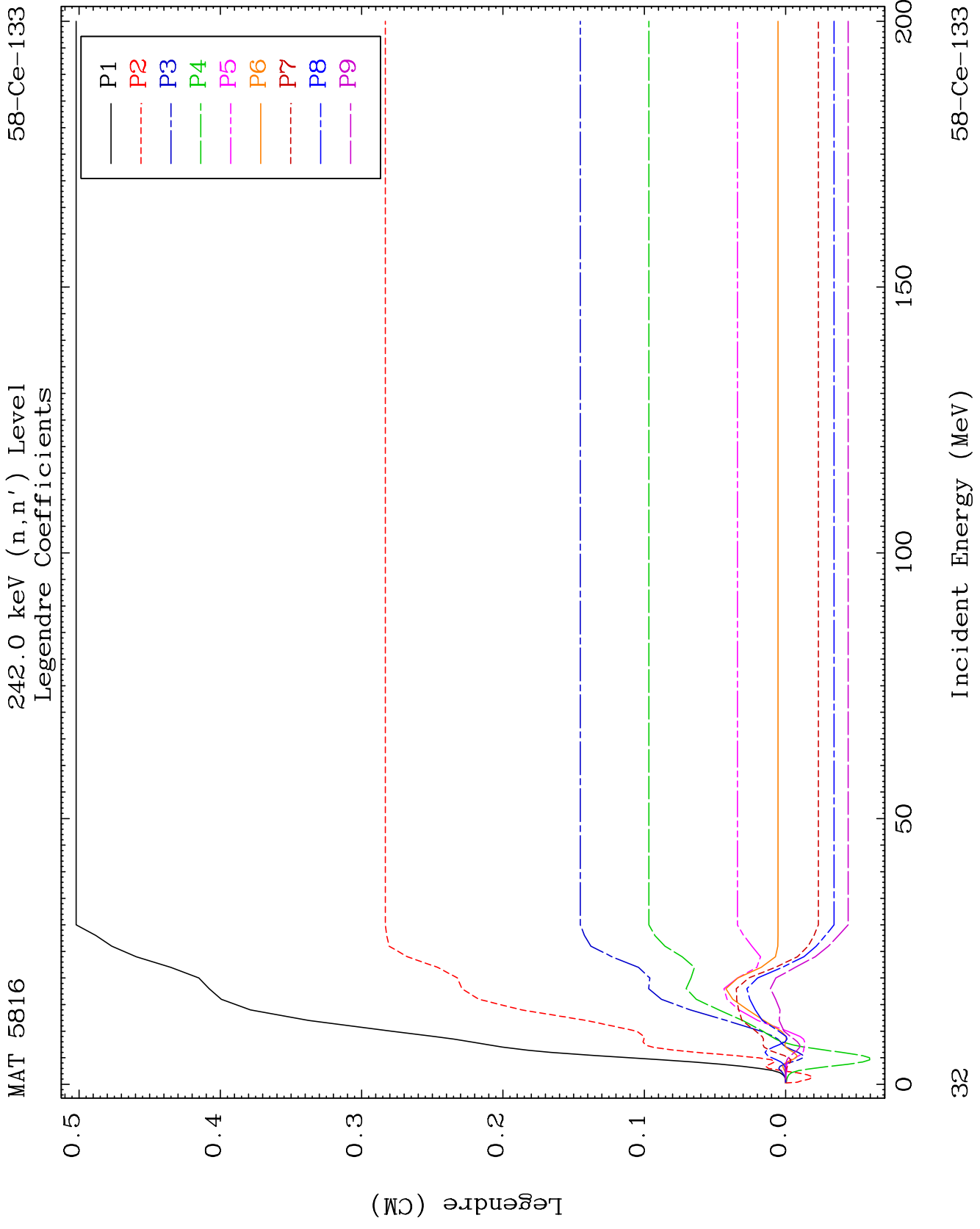


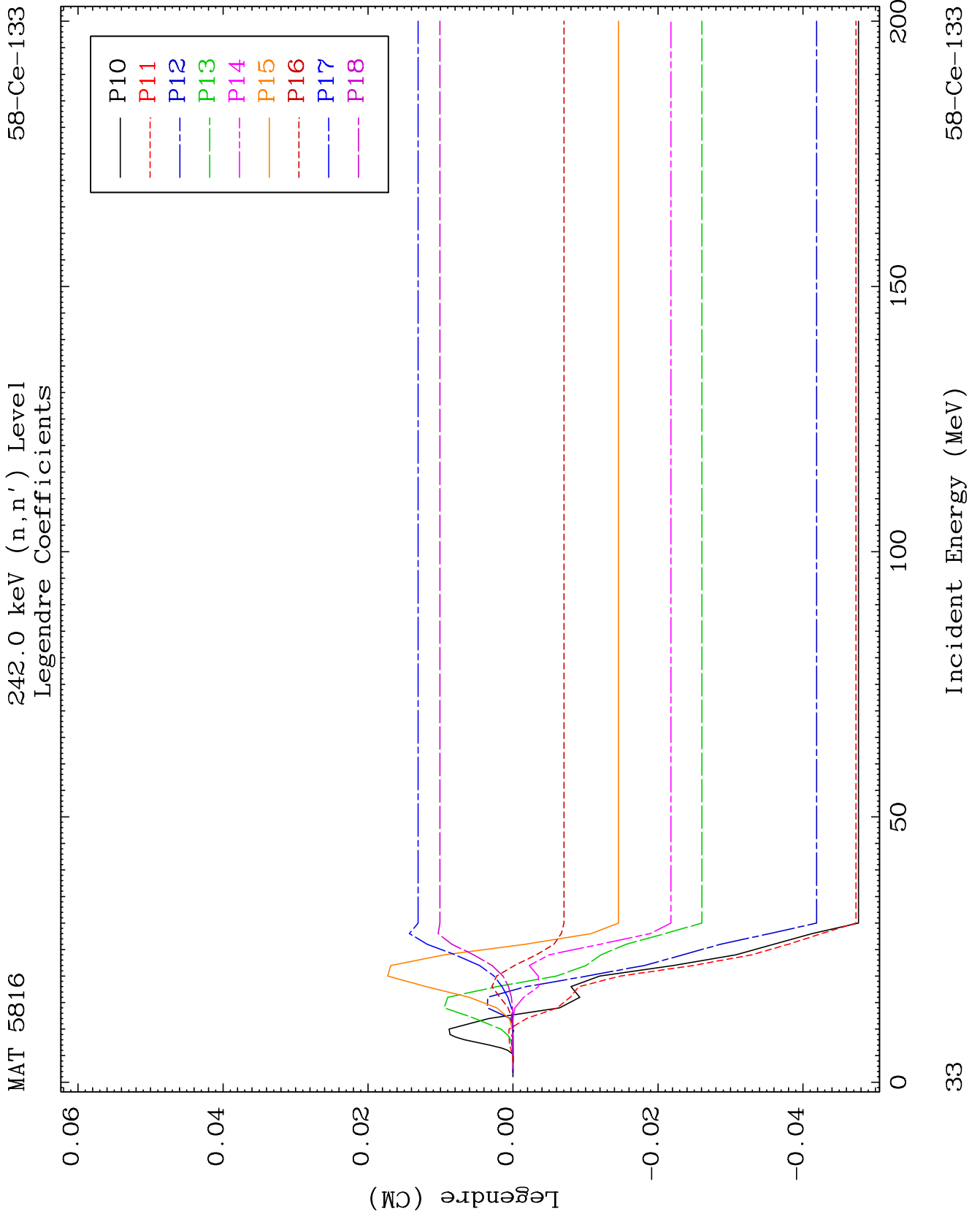
29

Incident Energy (MeV)

58-Ce-133



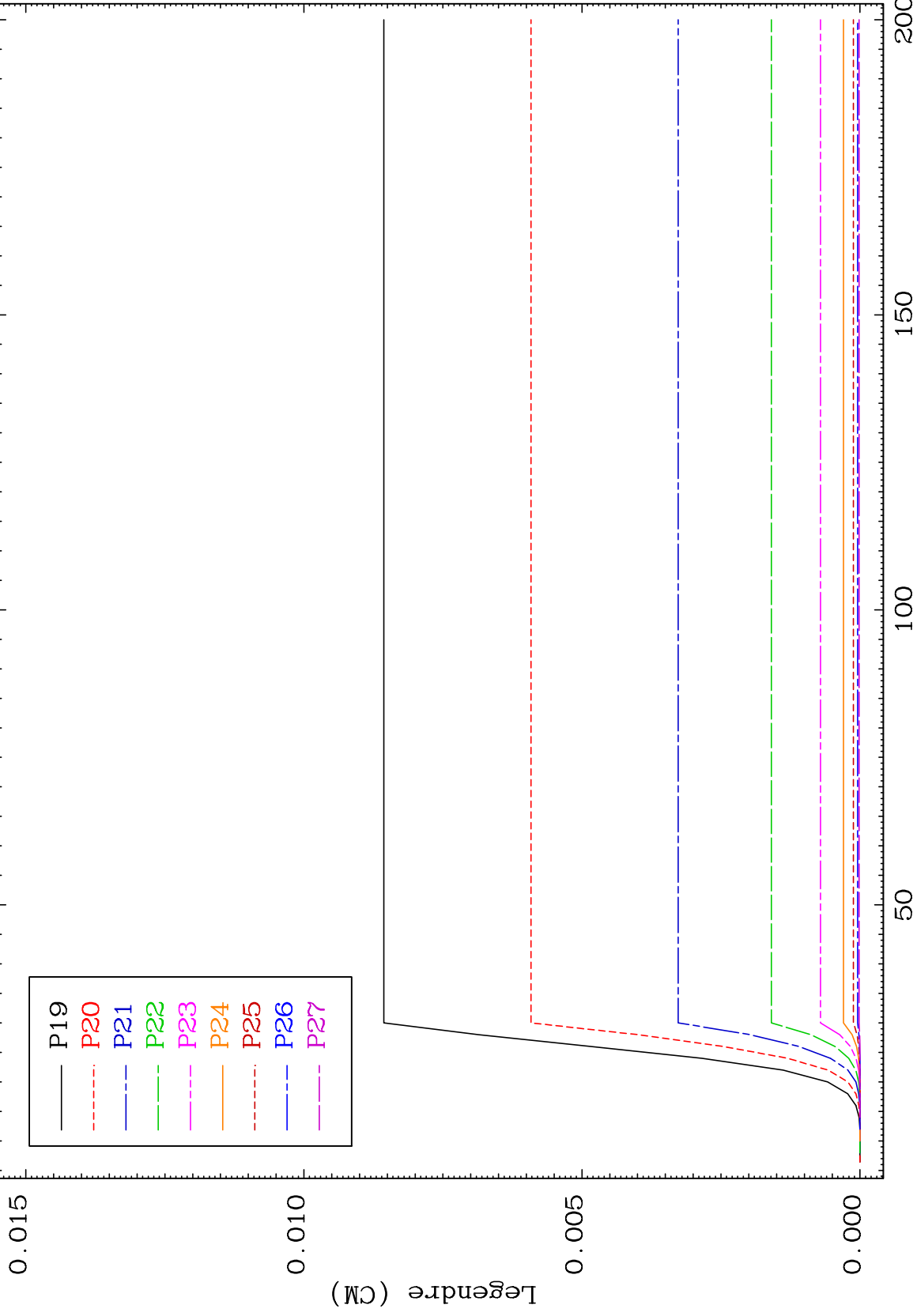




MAT 5816

242.0 keV (n,n') Level
Legendre Coefficients

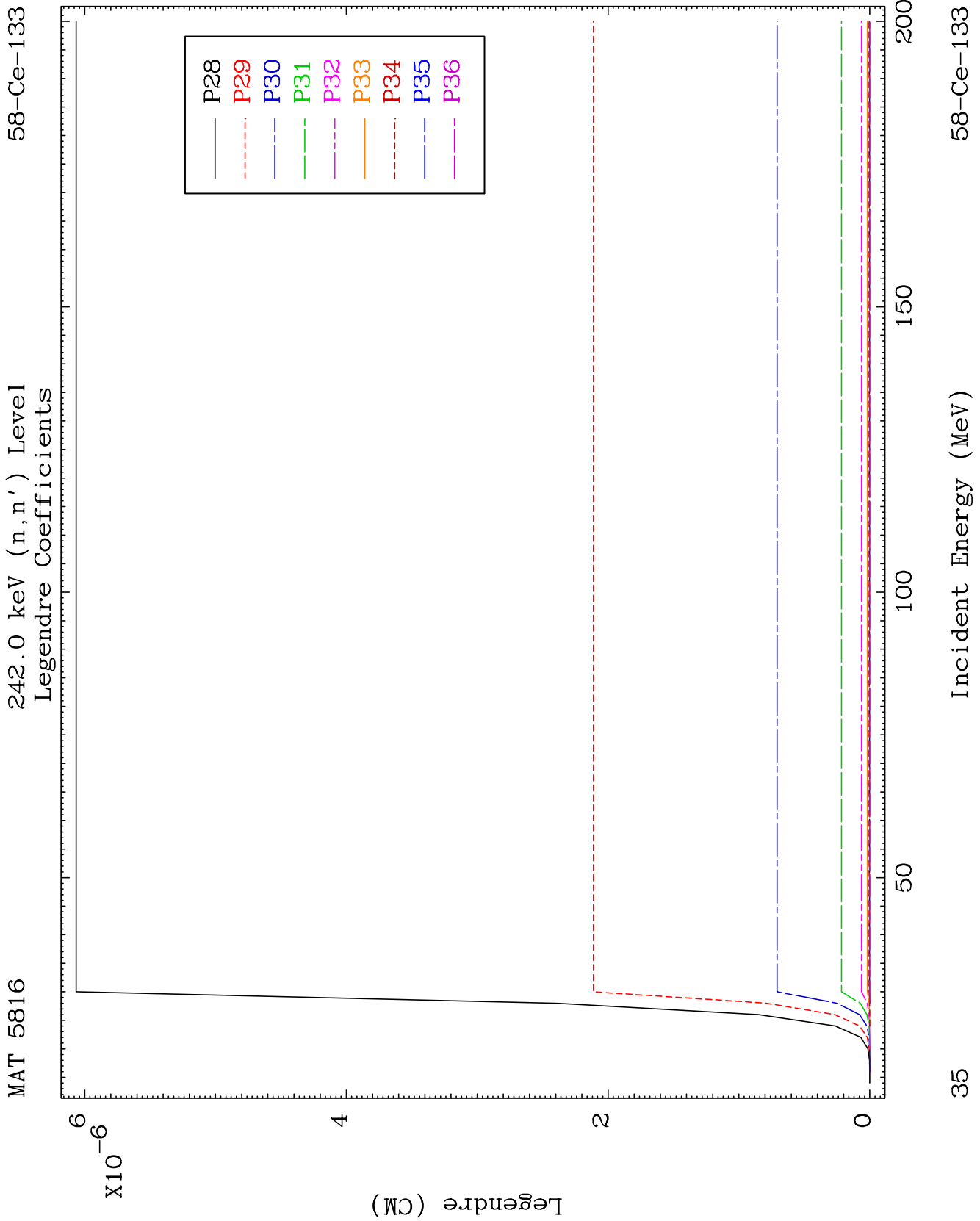
58-Ce-133

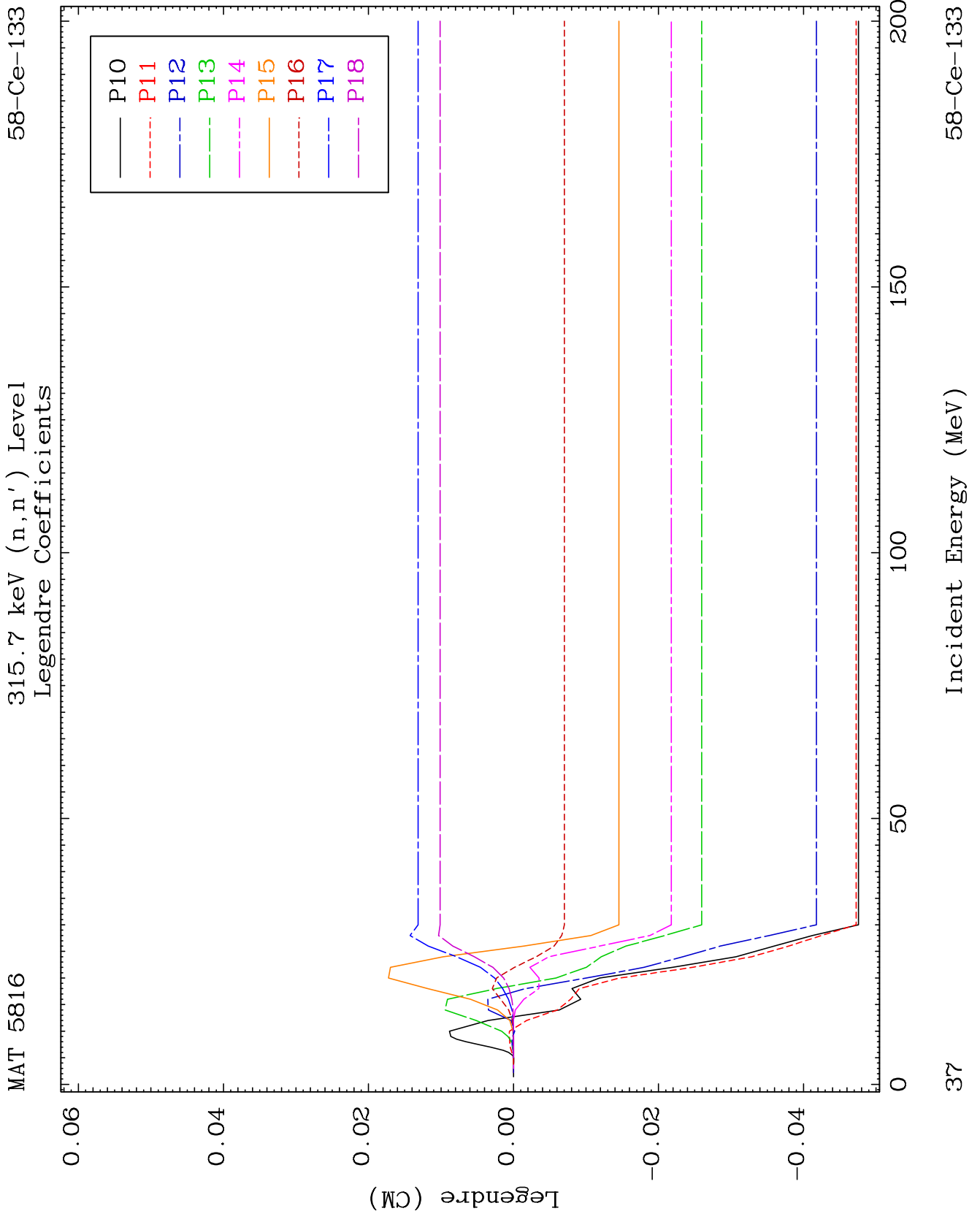


34

Incident Energy (MeV)

58-Ce-133

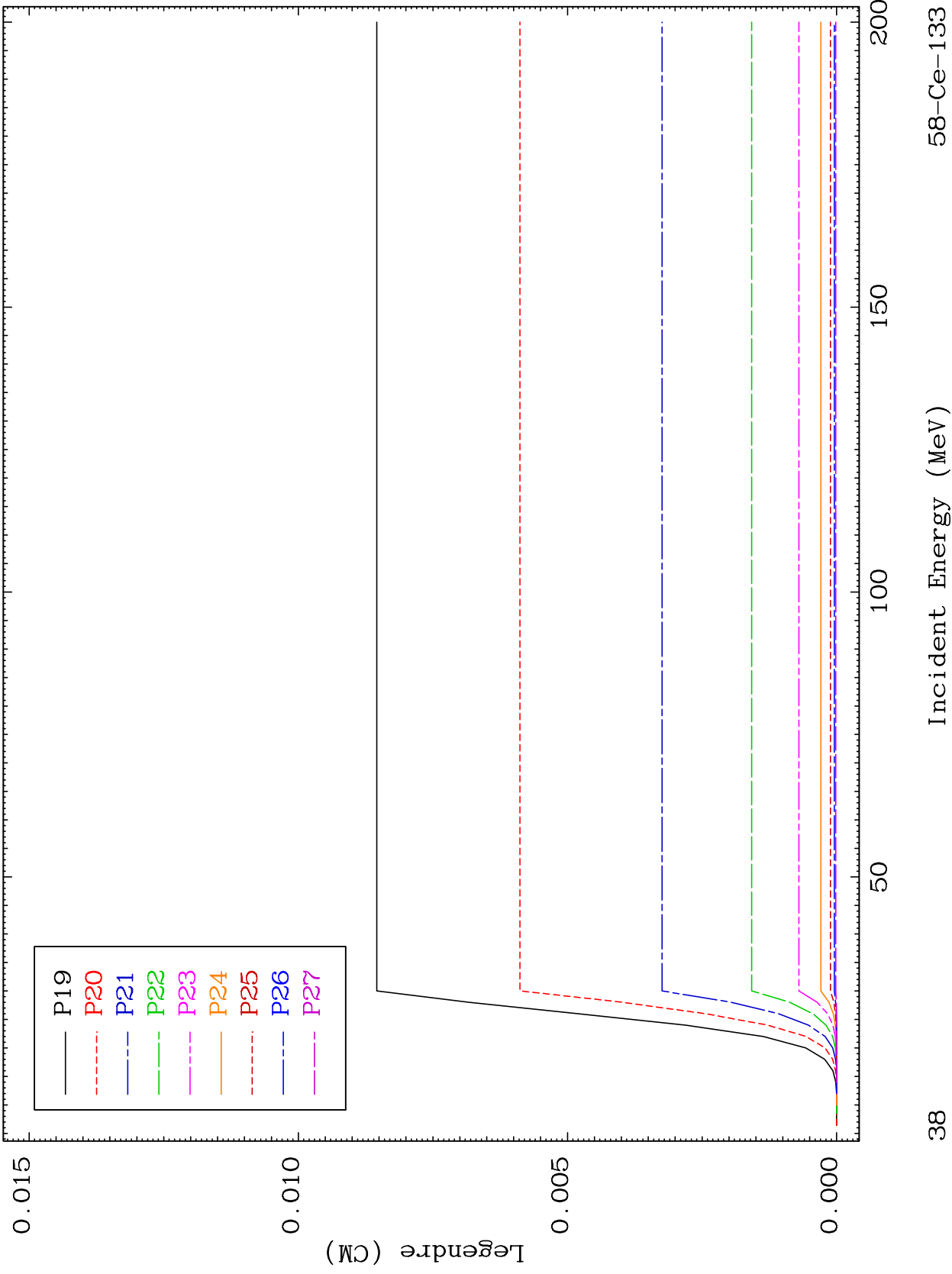




MAT 5816

315.7 keV (n,n') Level
Legendre Coefficients

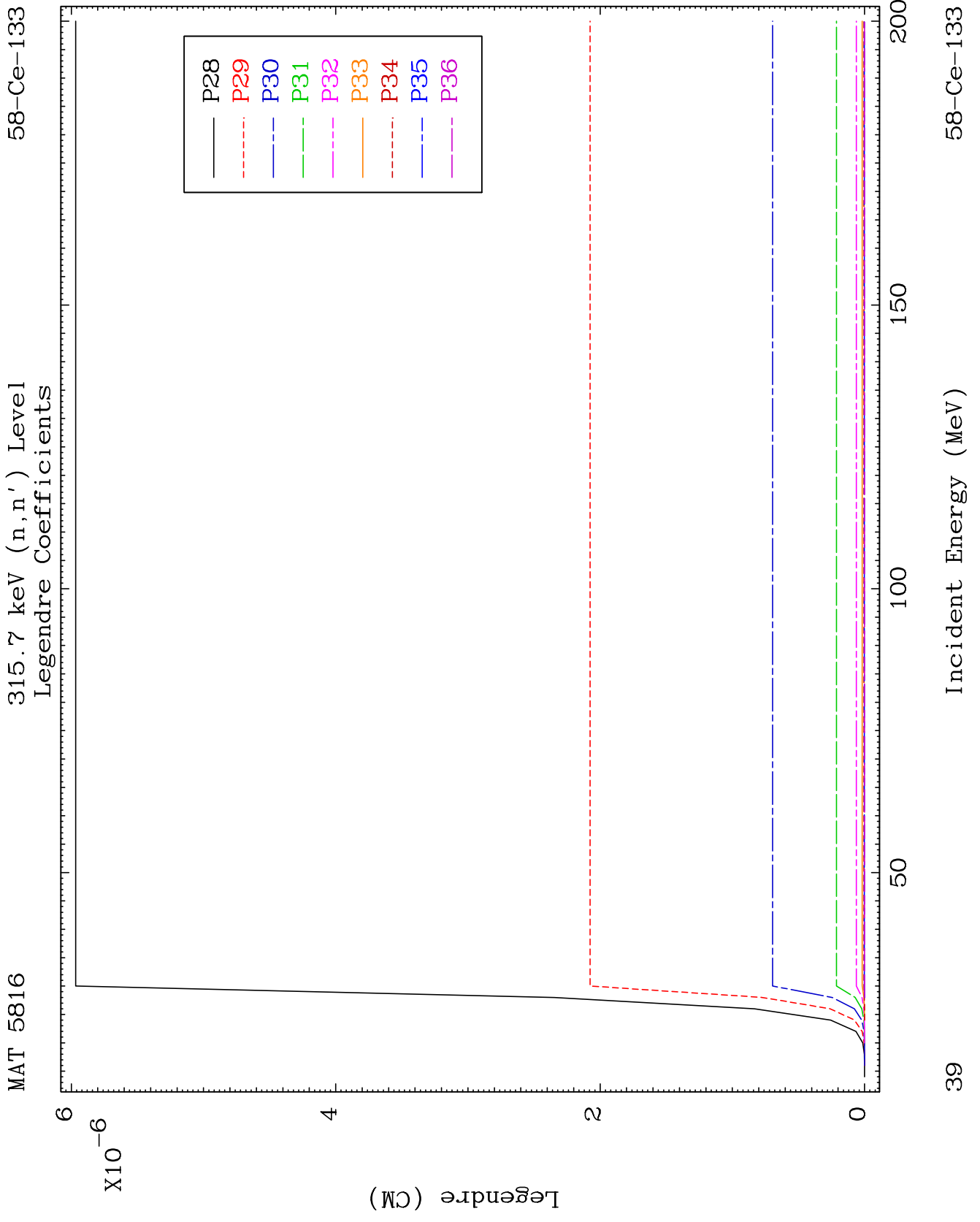
58-Ce-133



38

Incident Energy (MeV)

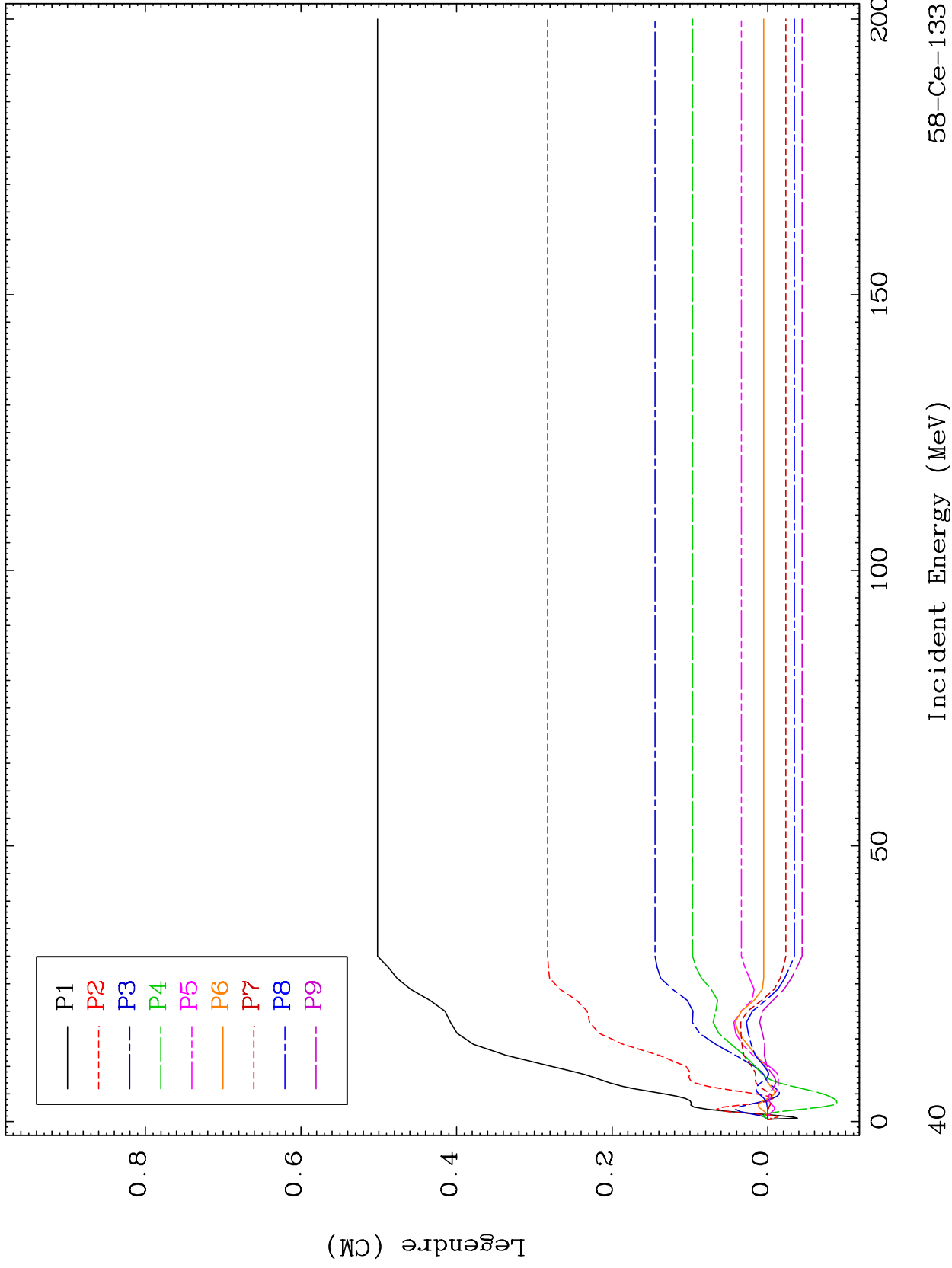
58-Ce-133



MAT 5816

318.0 keV (n,n') Level
Legendre Coefficients

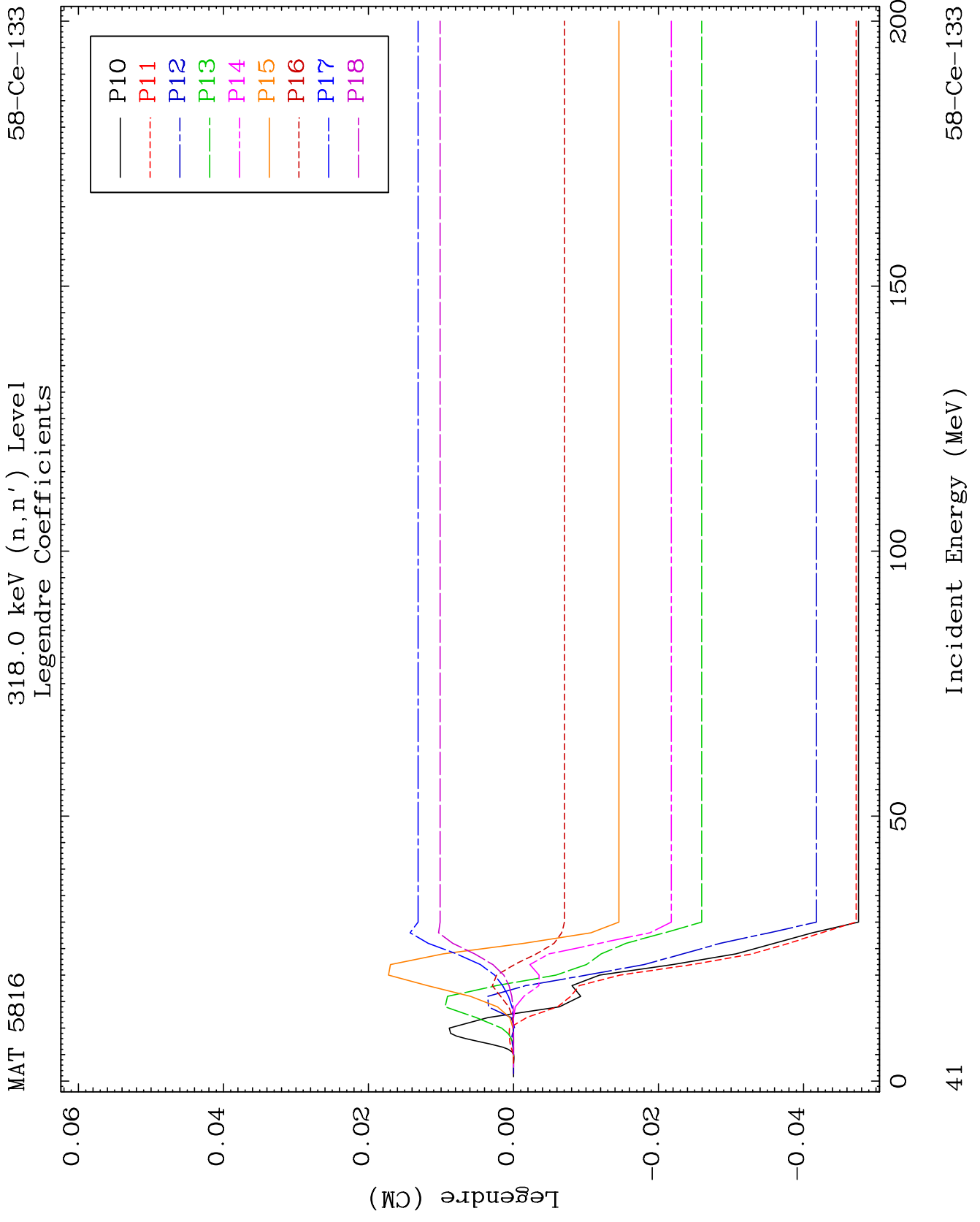
58-Ce-133



58-Ce-133

Incident Energy (MeV)

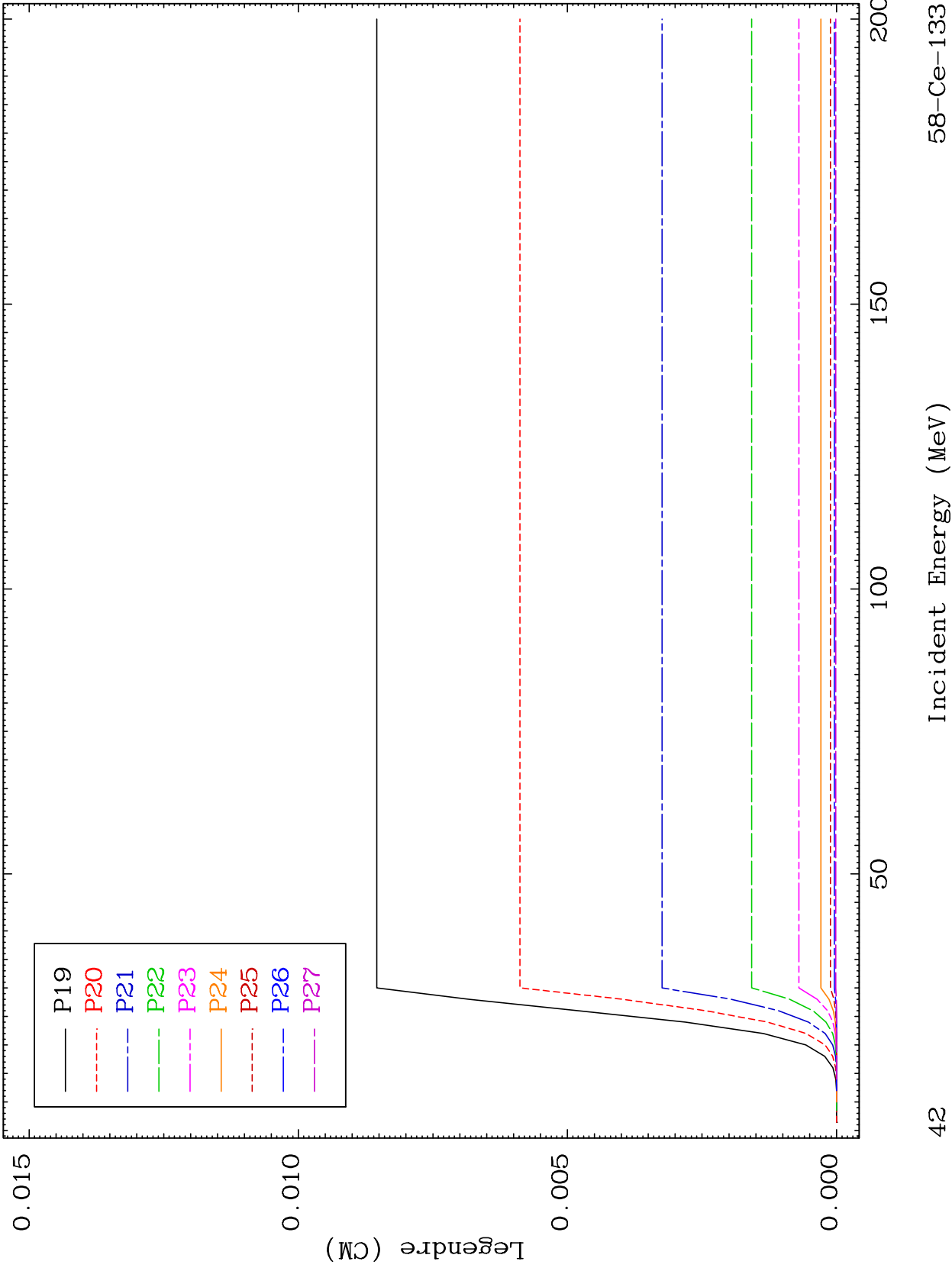
40



MAT 5816

318.0 keV (n,n') Level
Legendre Coefficients

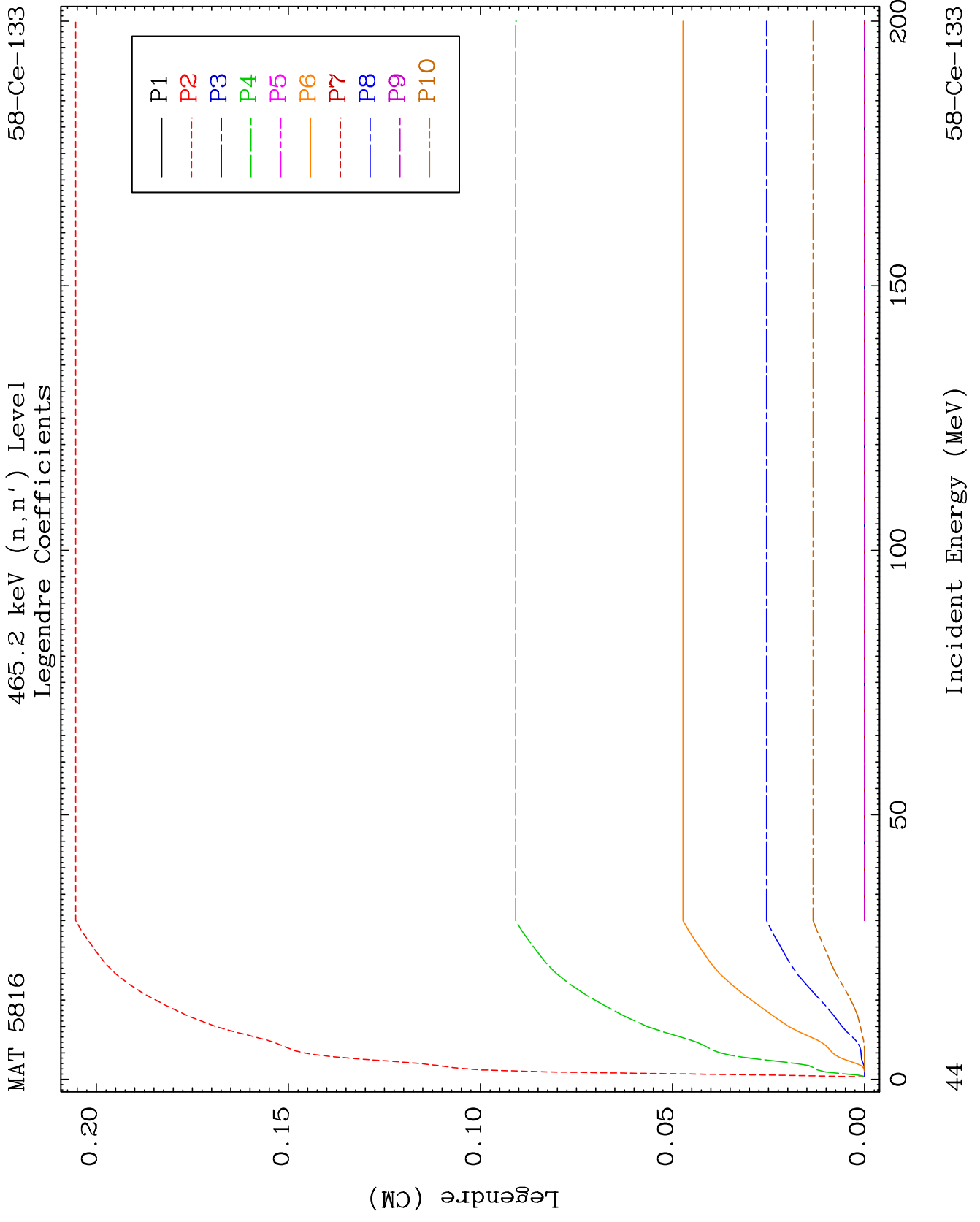
58-Ce-133

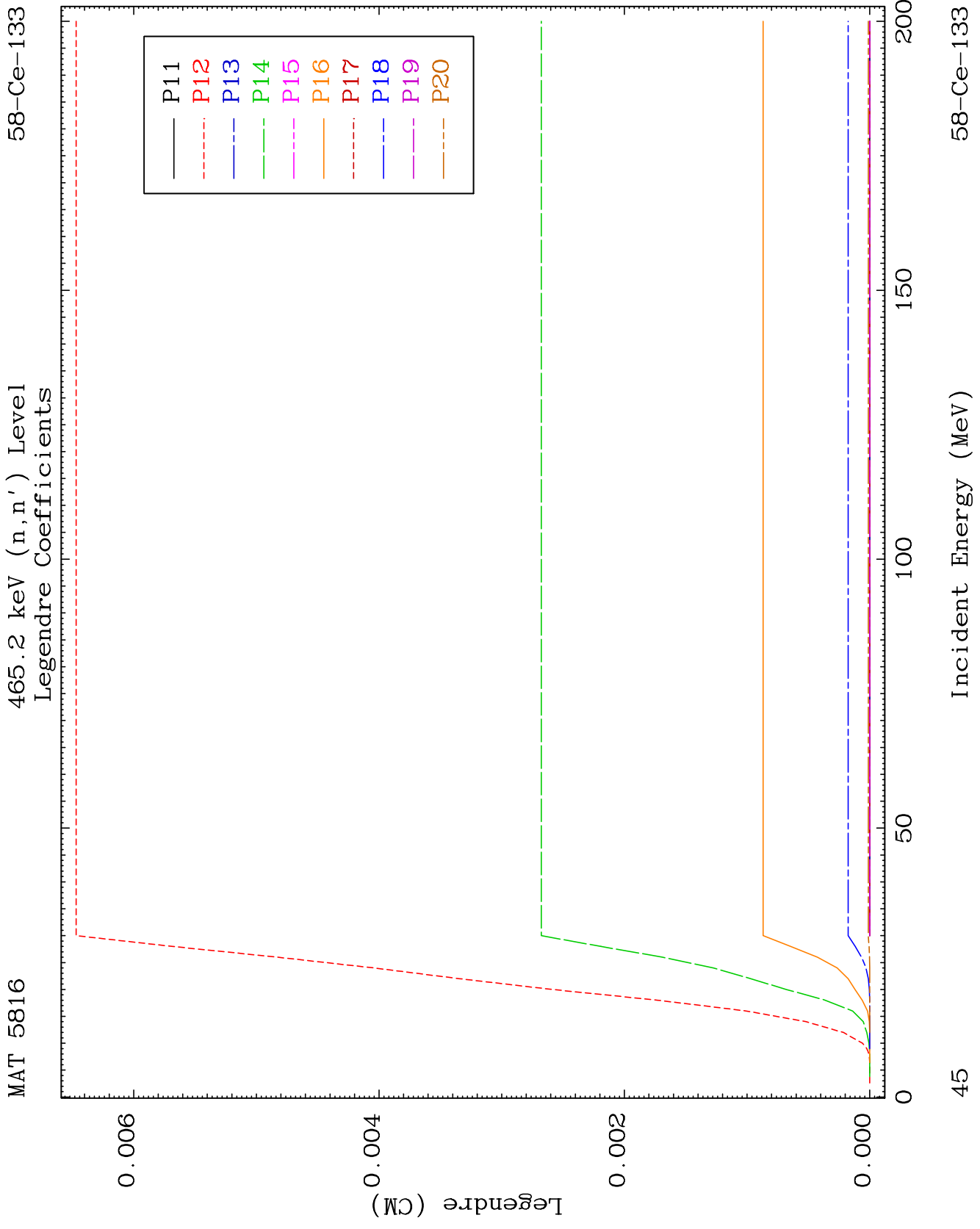


42

Incident Energy (MeV)

58-Ce-133

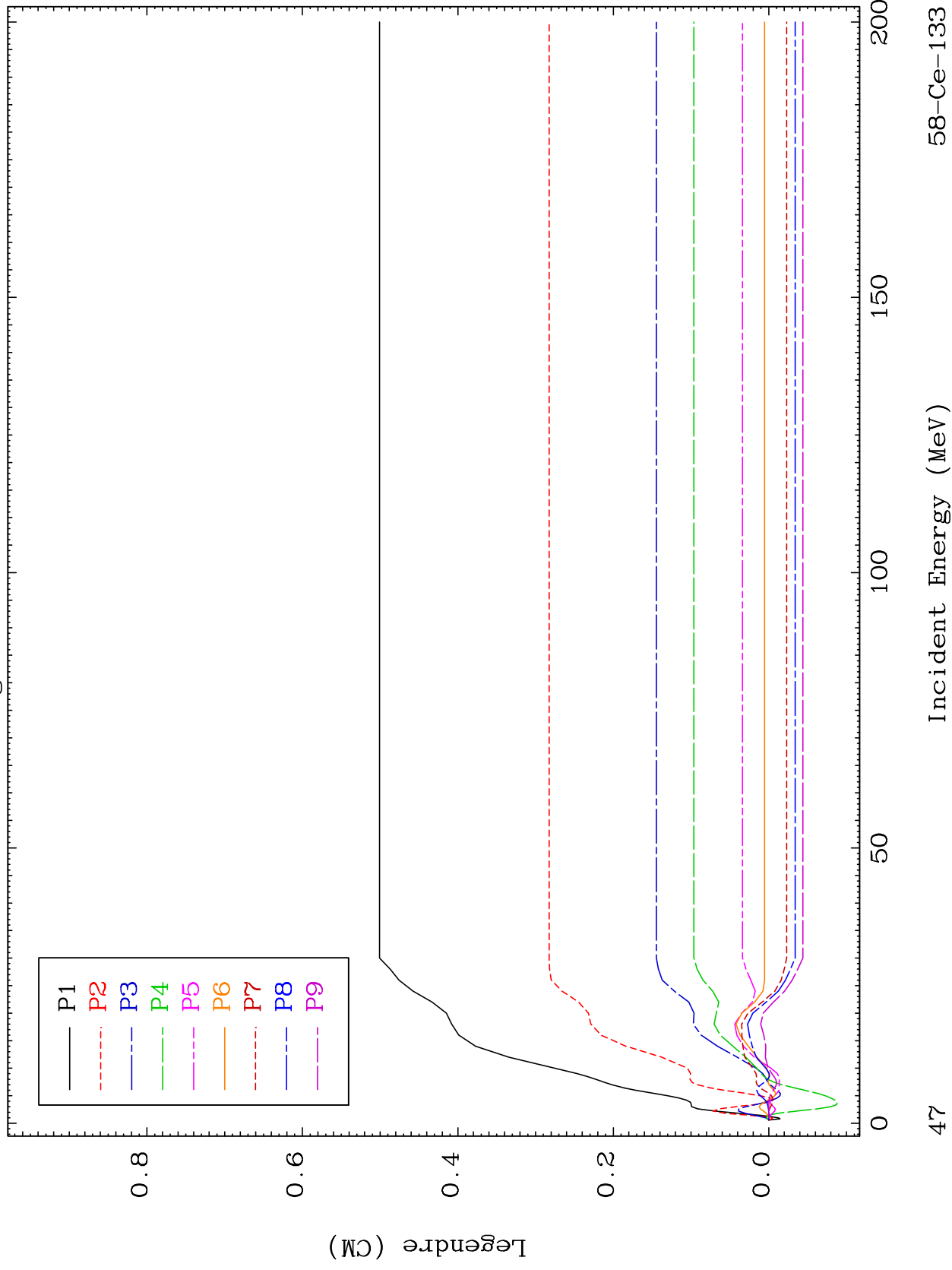




MAT 5816

496.7 keV (n,n') Level
Legendre Coefficients

58-Ce-133



47

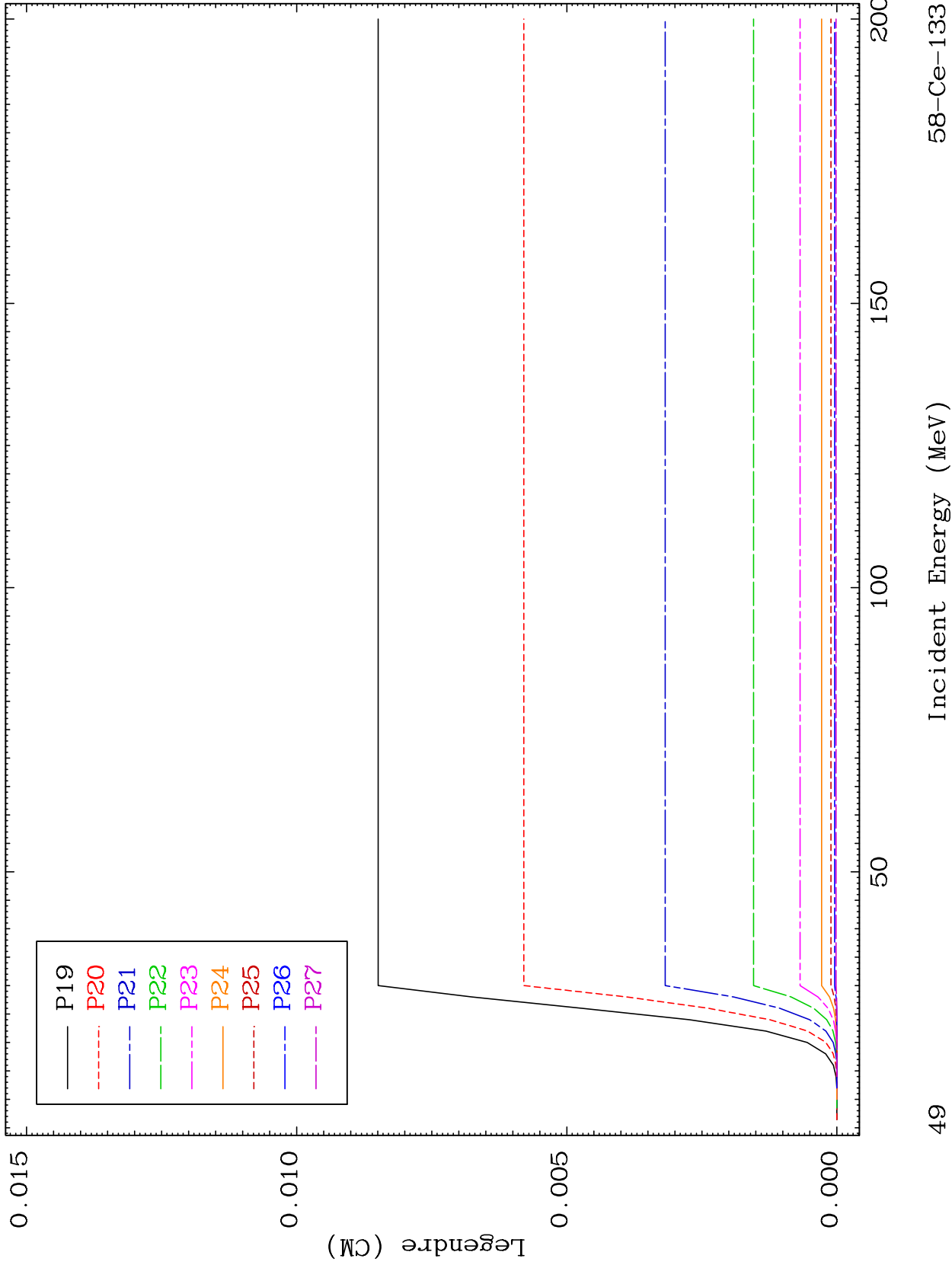
Incident Energy (MeV)

58-Ce-133

MAT 5816

496.7 keV (n,n') Level
Legendre Coefficients

58-Ce-133



49

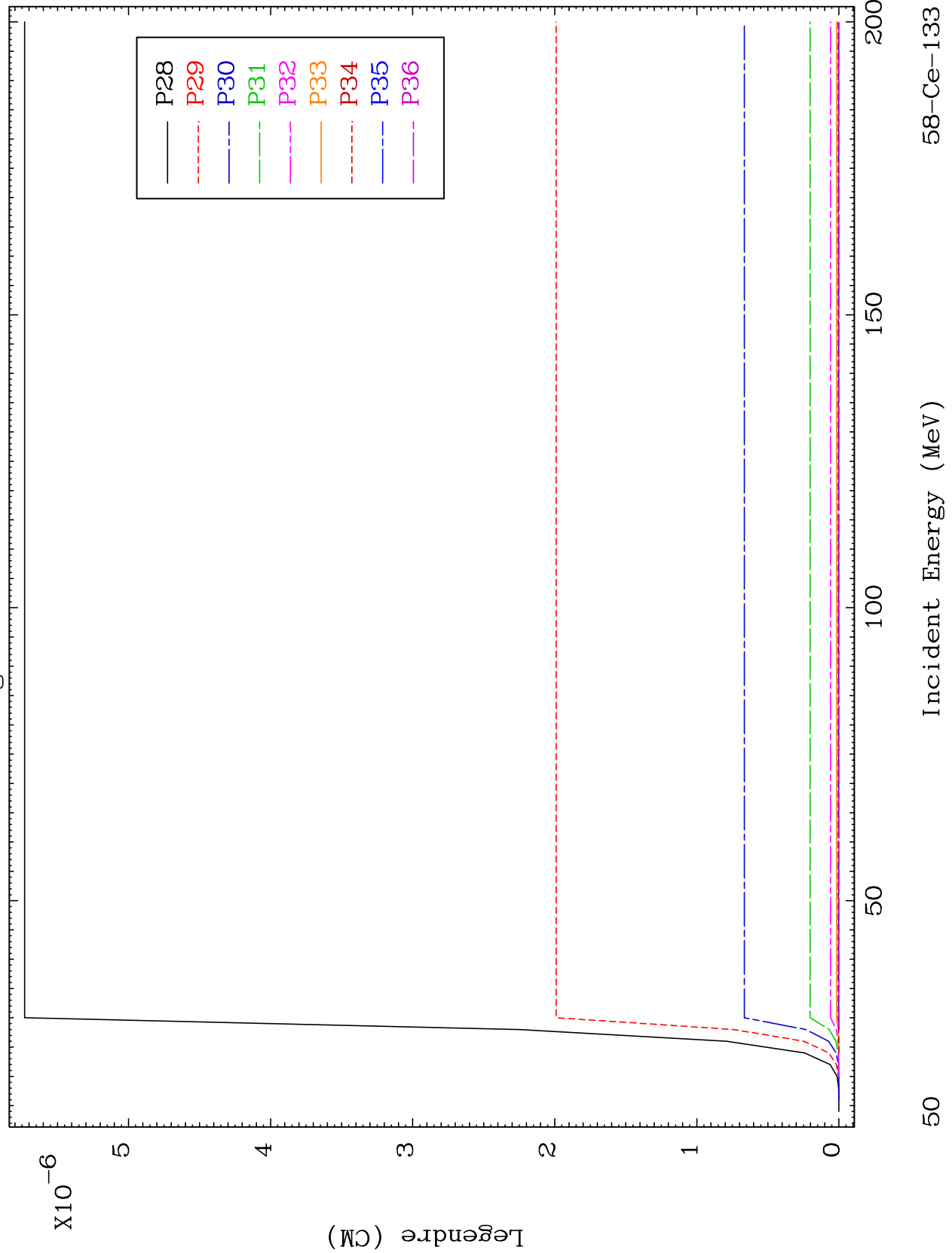
Incident Energy (MeV)

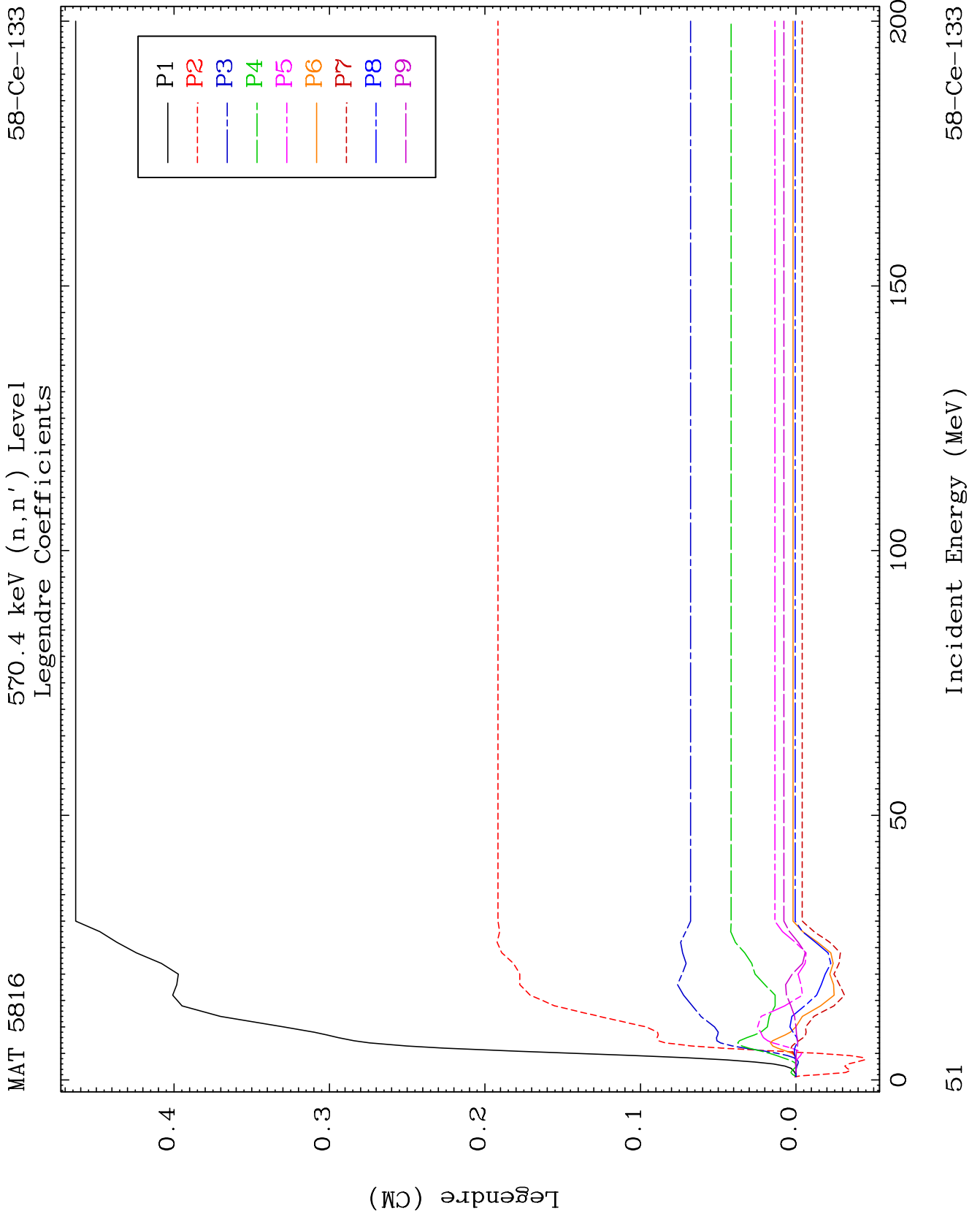
58-Ce-133

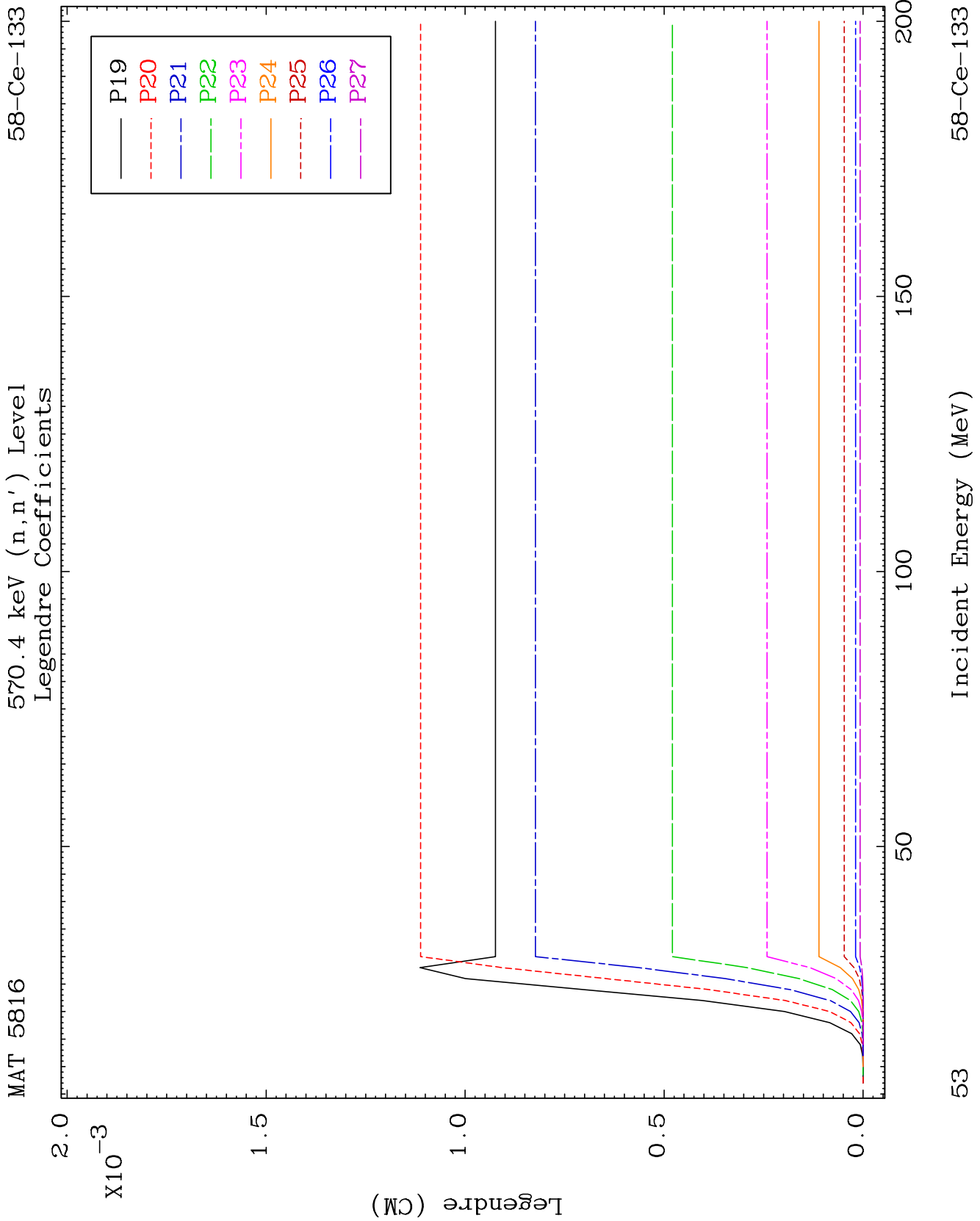
MAT 5816

496.7 keV (n,n') Level
Legendre Coefficients

58-Ce-133



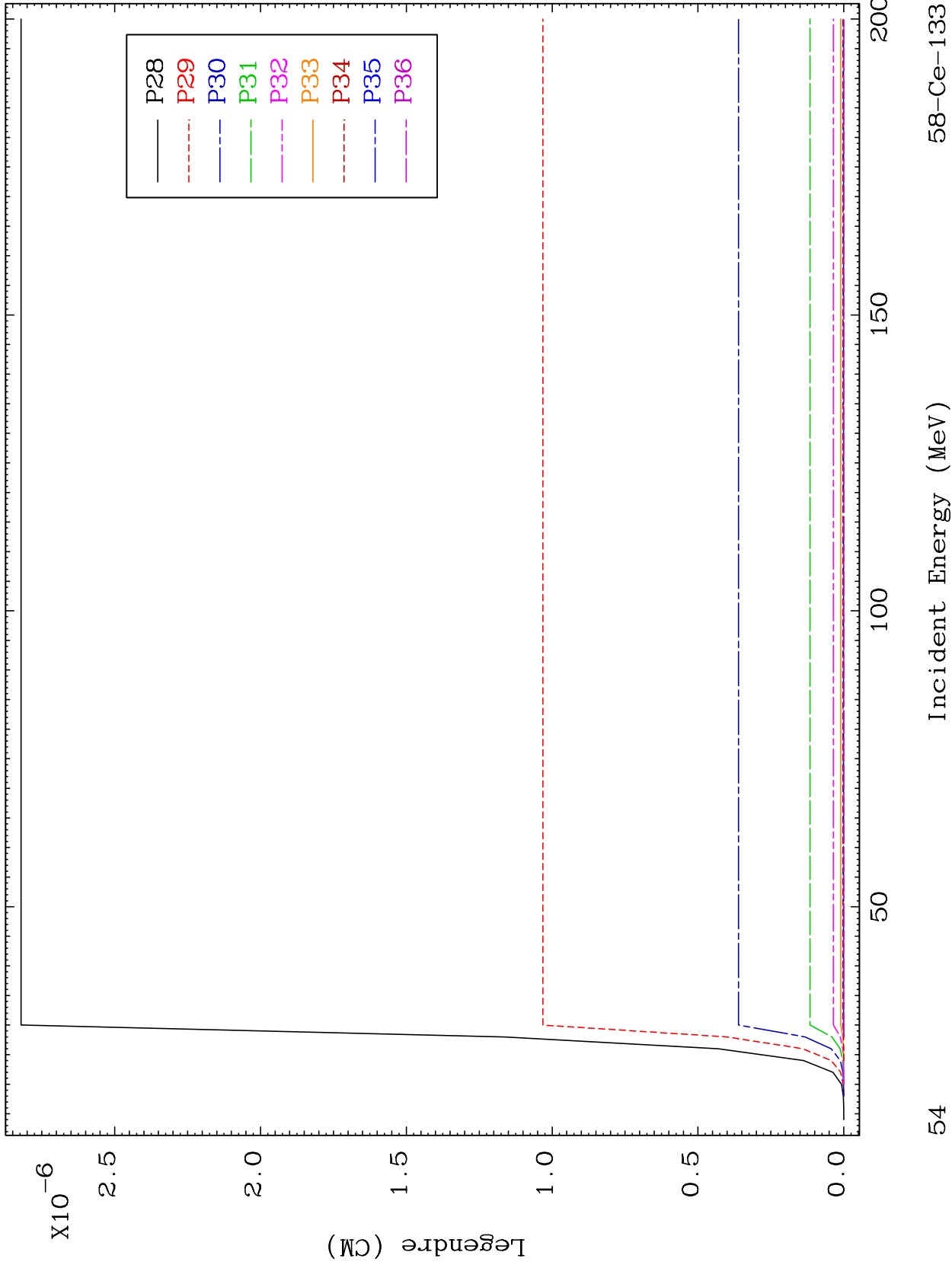




MAT 5816

570.4 keV (n,n') Level
Legendre Coefficients

58-Ce-133



54

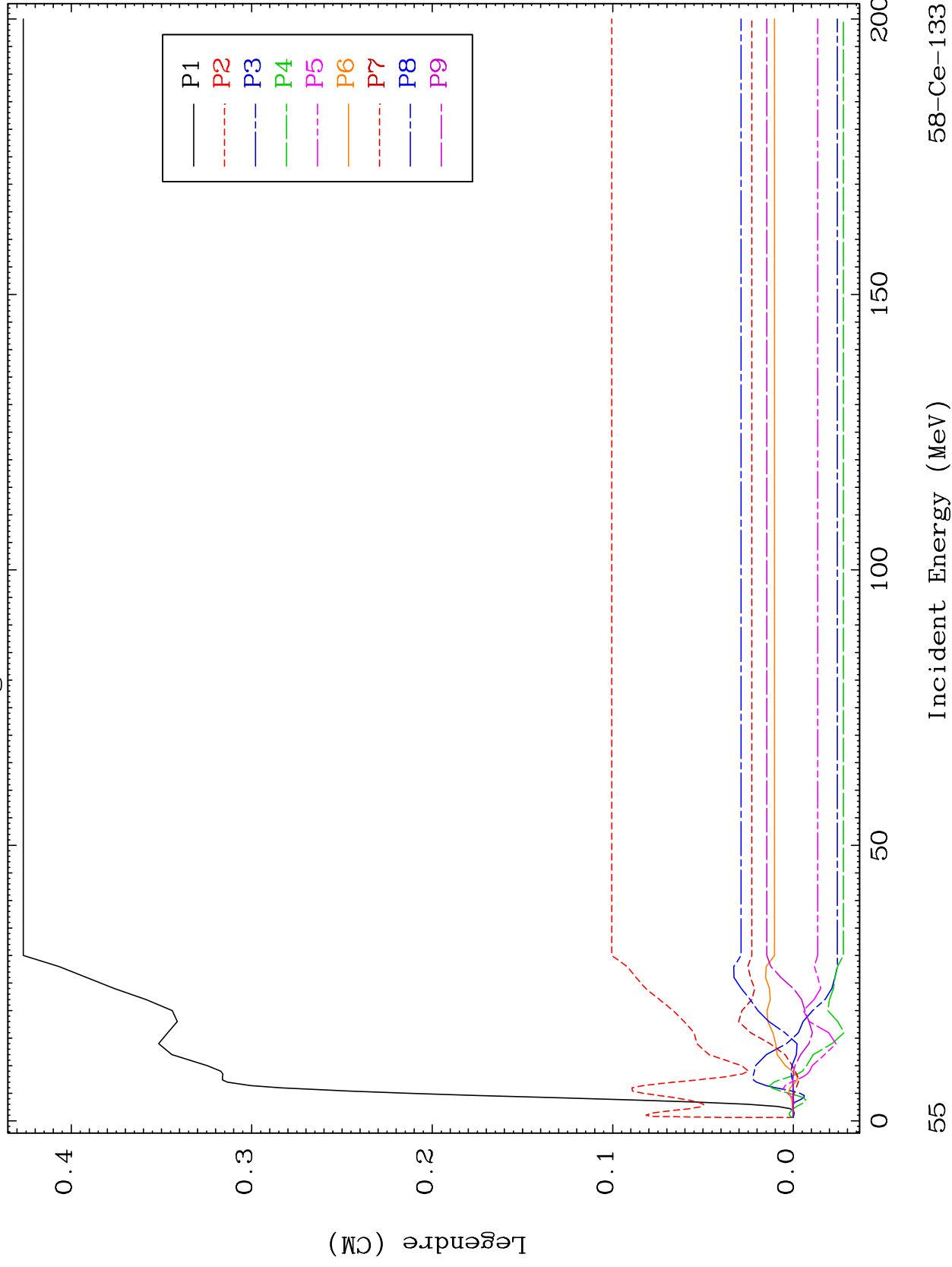
Incident Energy (MeV)

58-Ce-133

MAT 5816

592.1 keV (n,n') Level
Legendre Coefficients

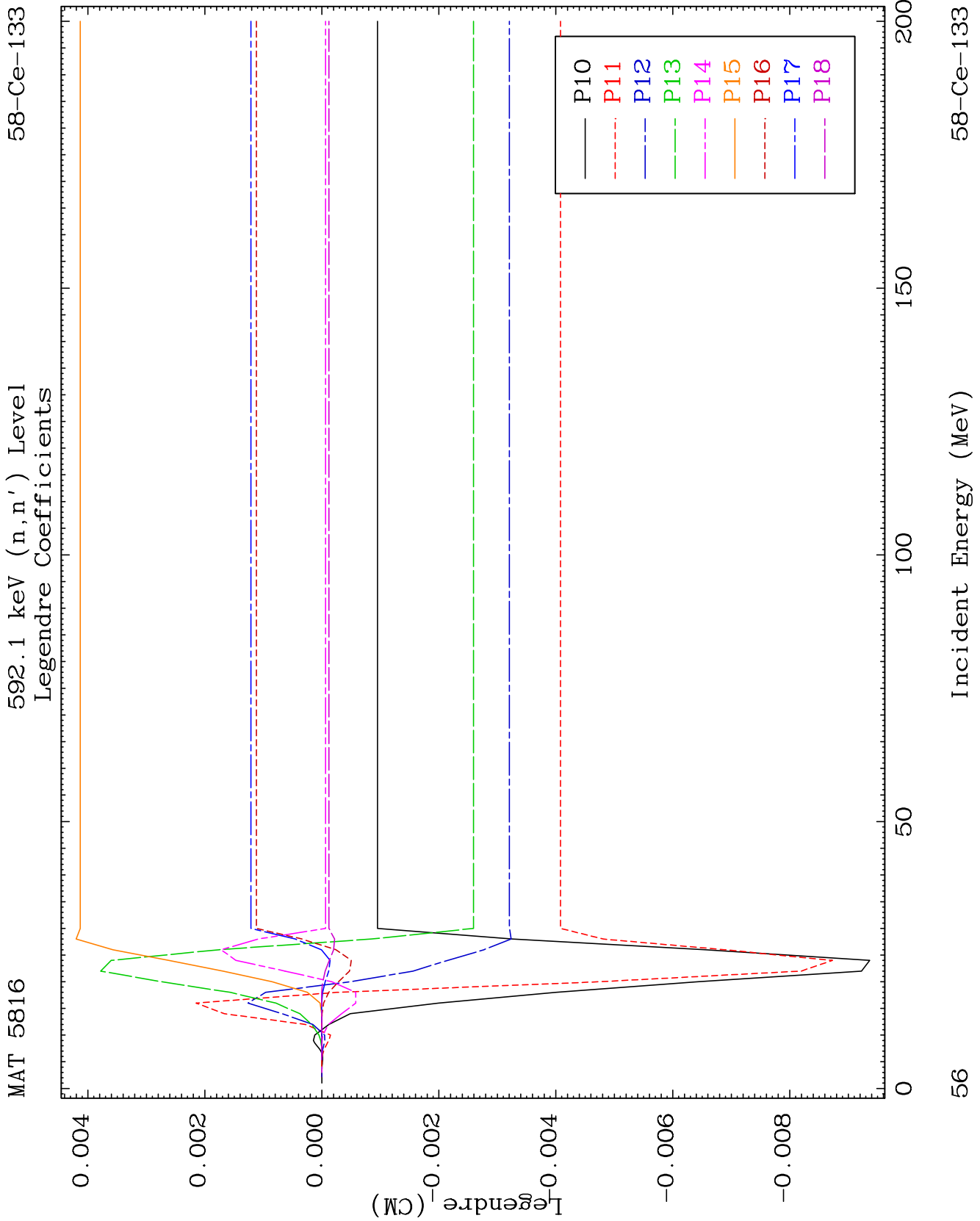
58-Ce-133

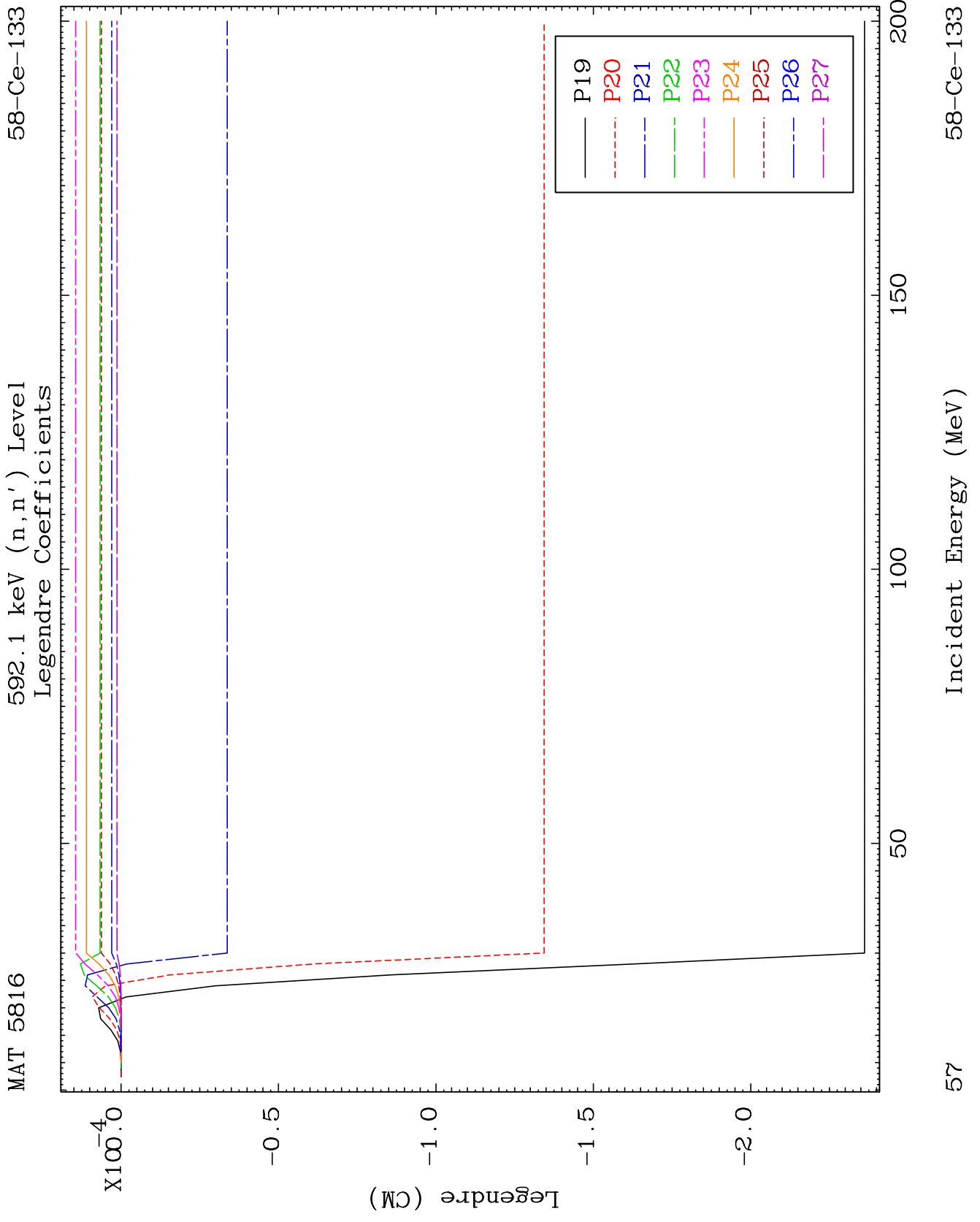


58-Ce-133

Incident Energy (MeV)

55

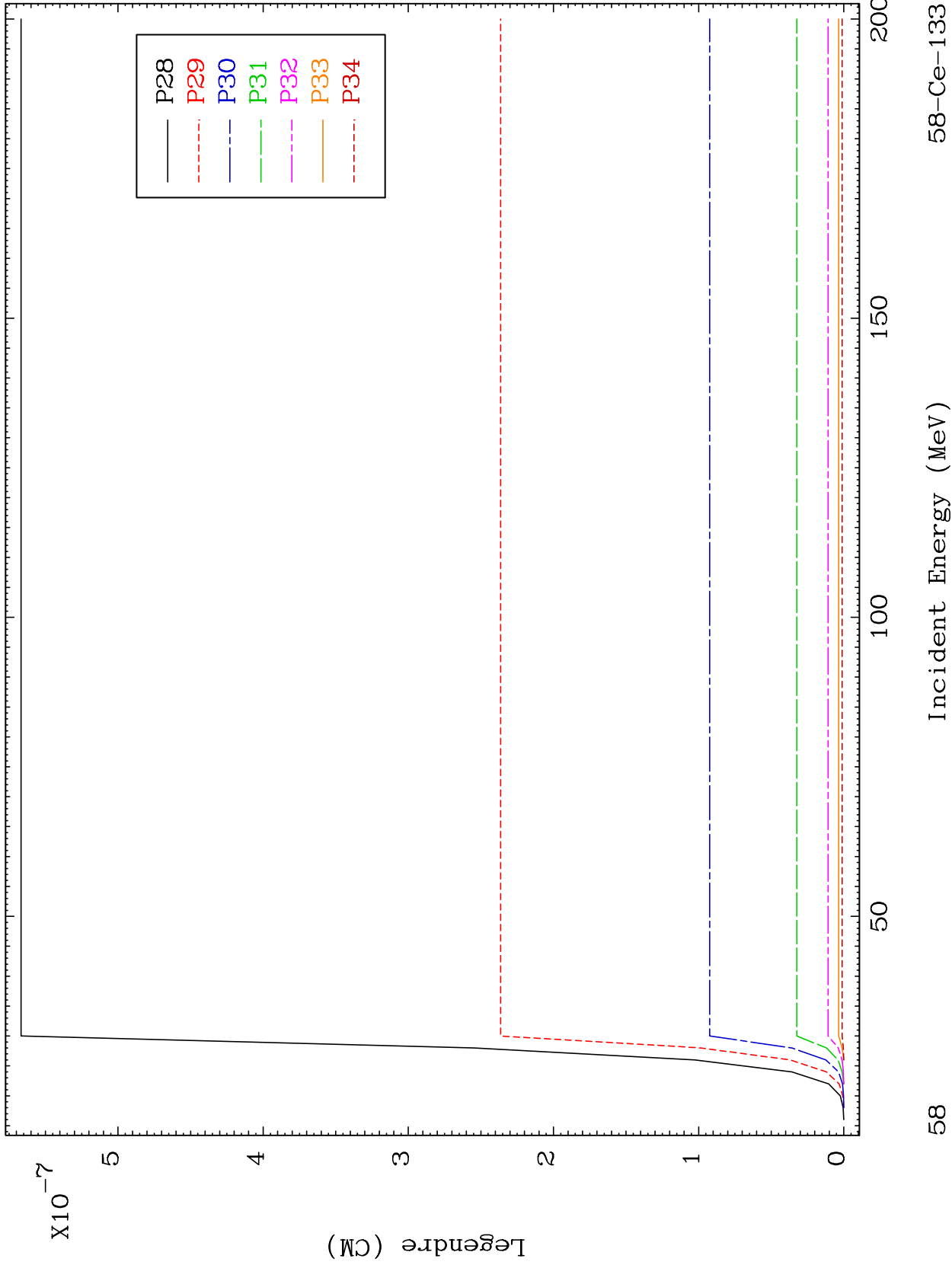




MAT 5816

592.1 keV (n,n') Level
Legendre Coefficients

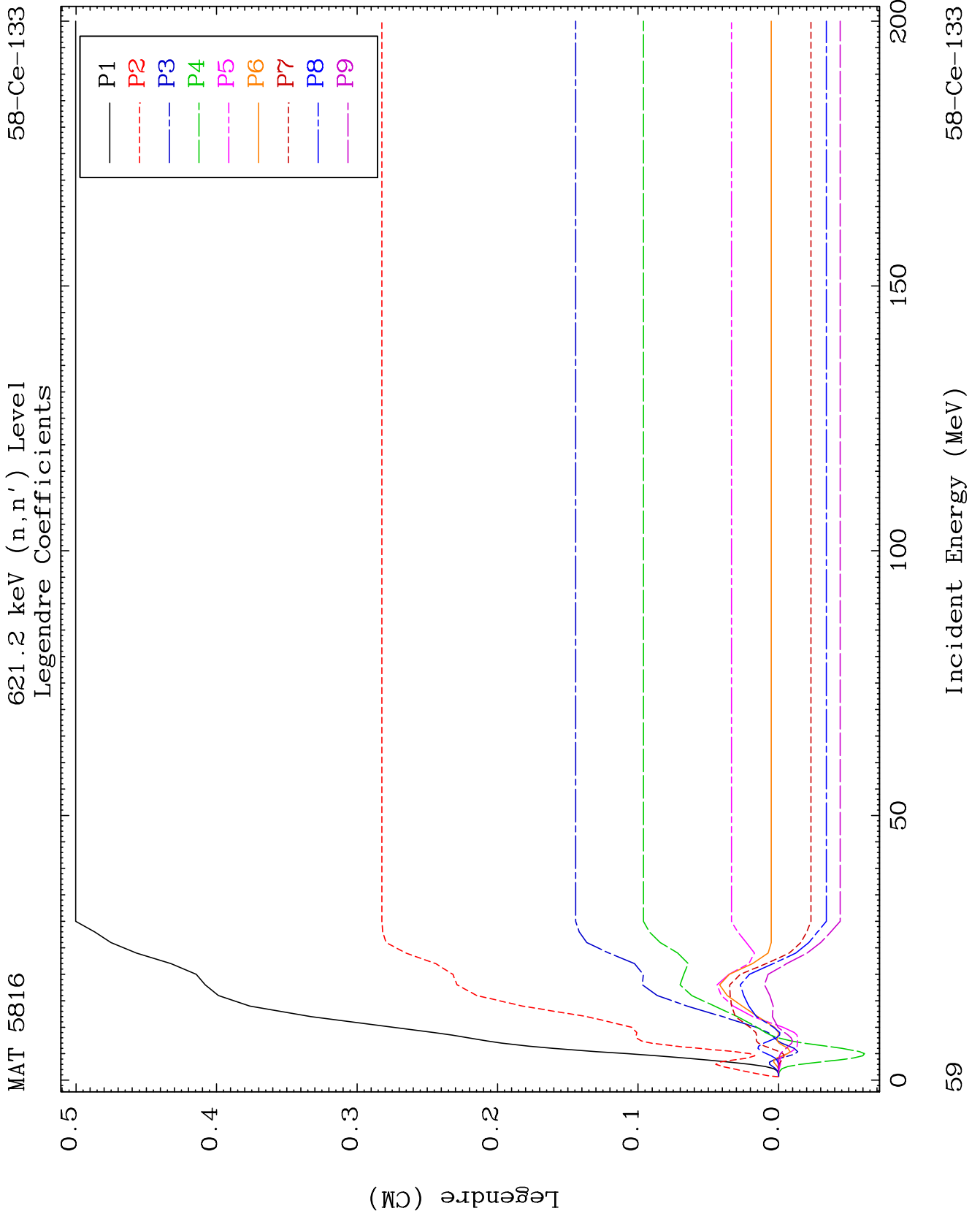
58-Ce-133

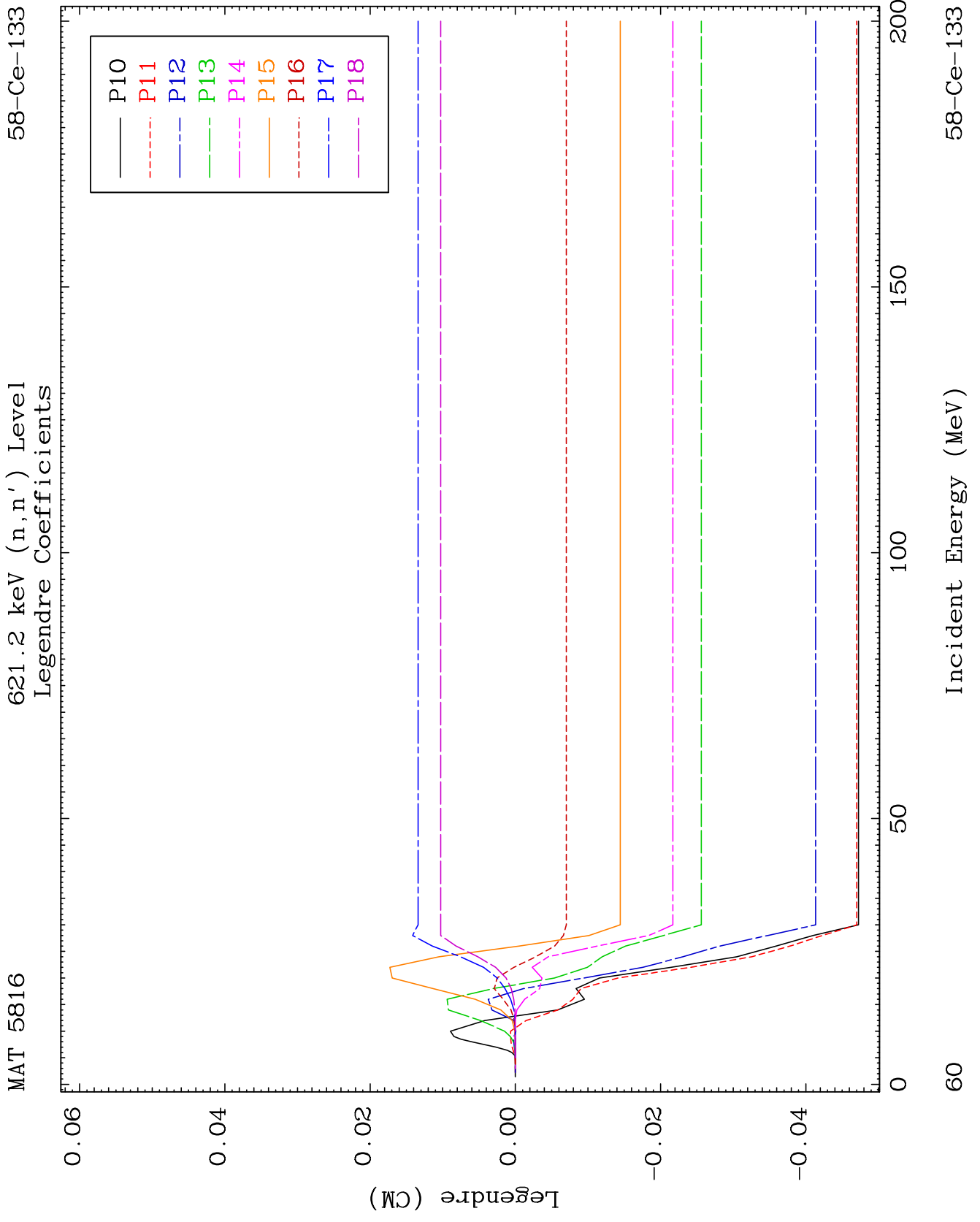


58

Incident Energy (MeV)

58-Ce-133

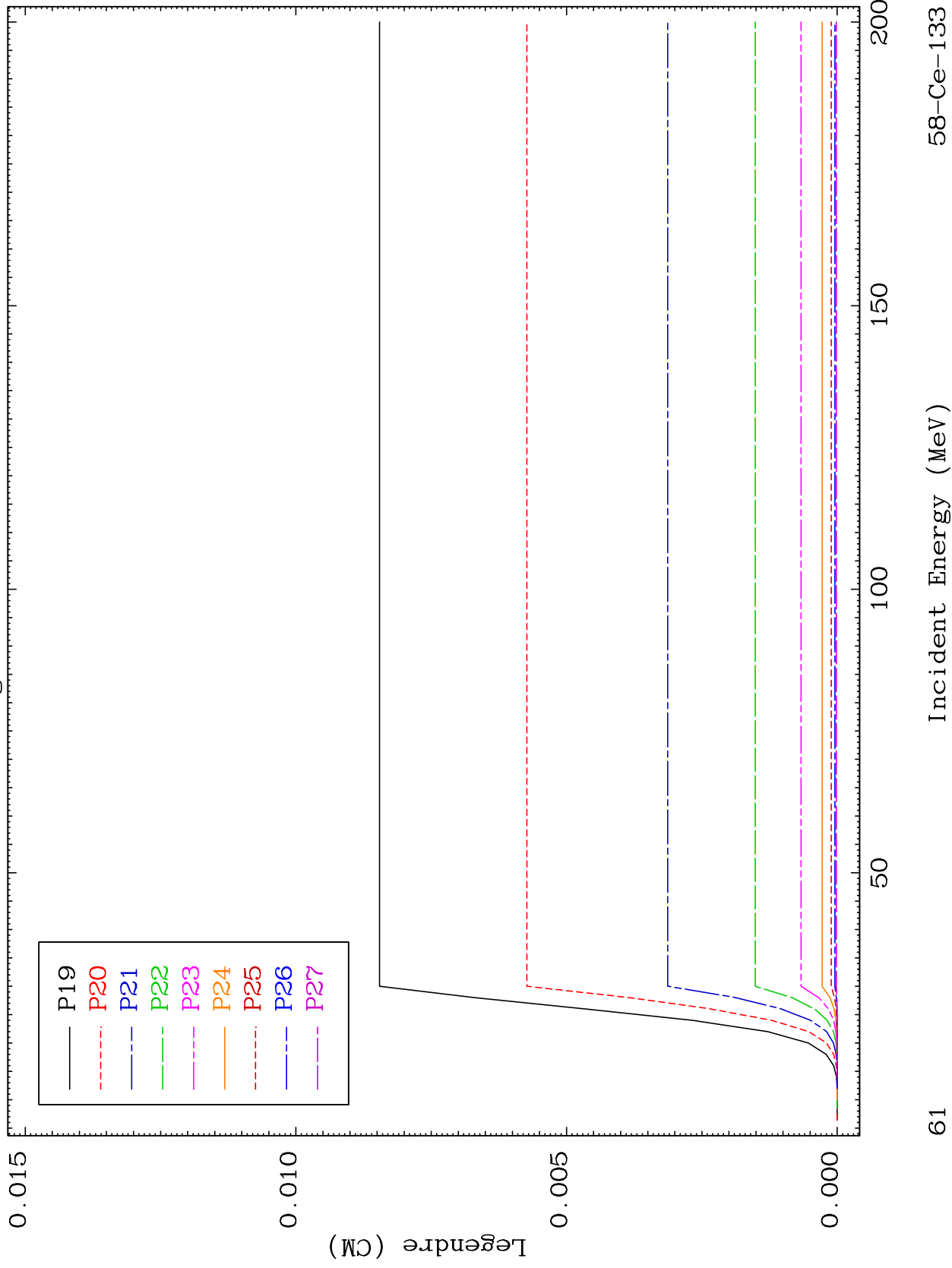




MAT 5816

621.2 keV (n,n') Level
Legendre Coefficients

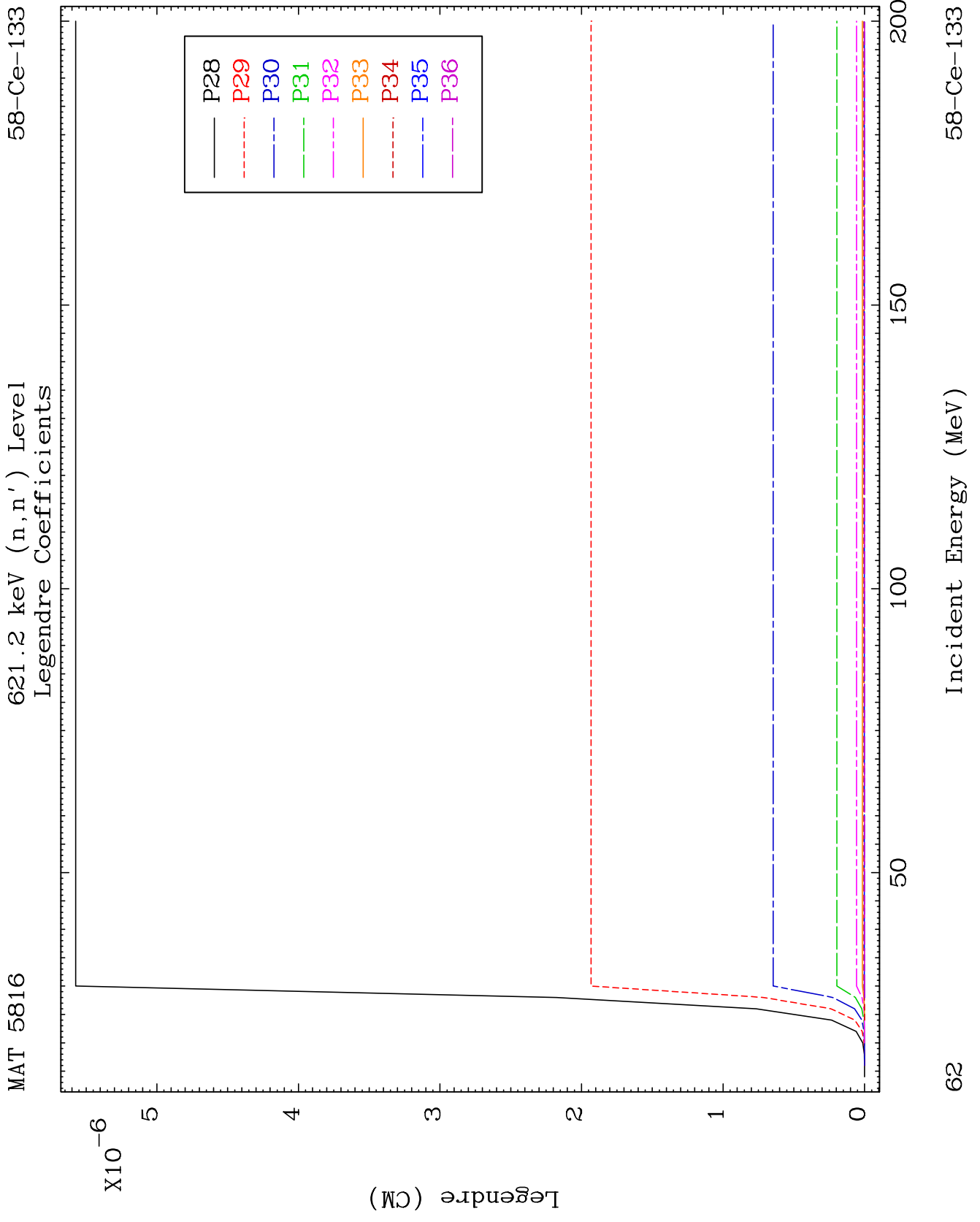
58-Ce-133

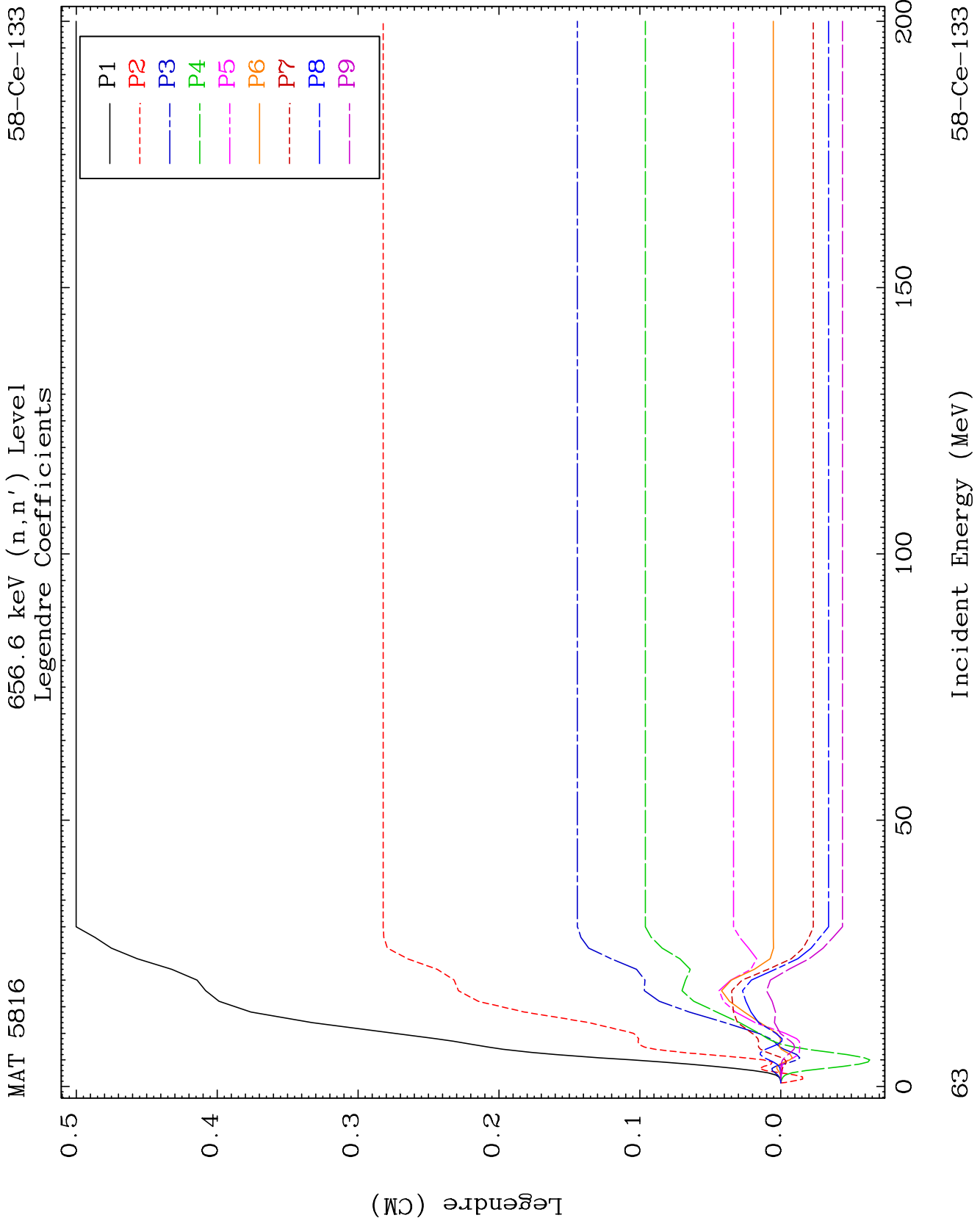


61

Incident Energy (MeV)

58-Ce-133

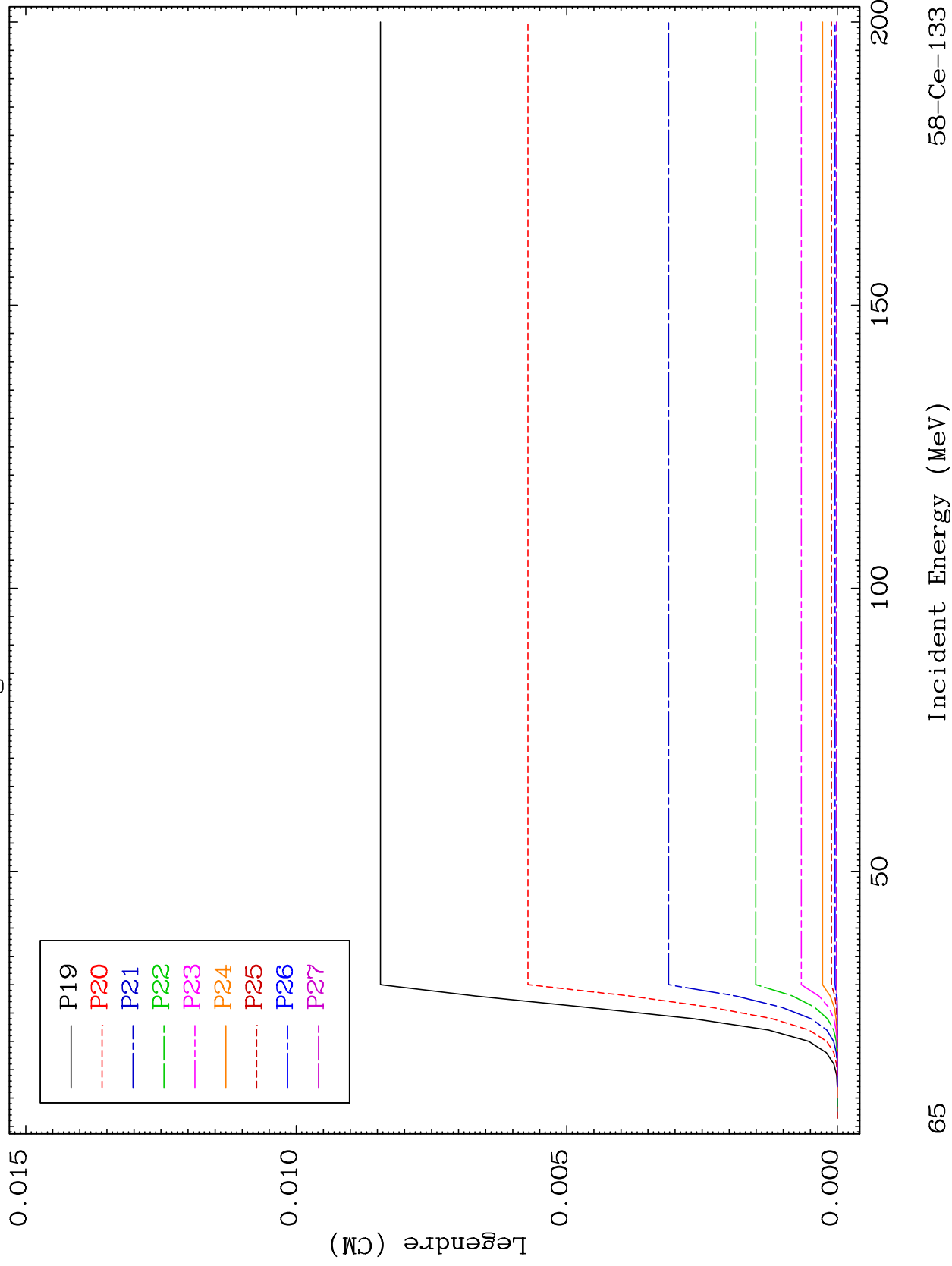




MAT 5816

656.6 keV (n,n') Level
Legendre Coefficients

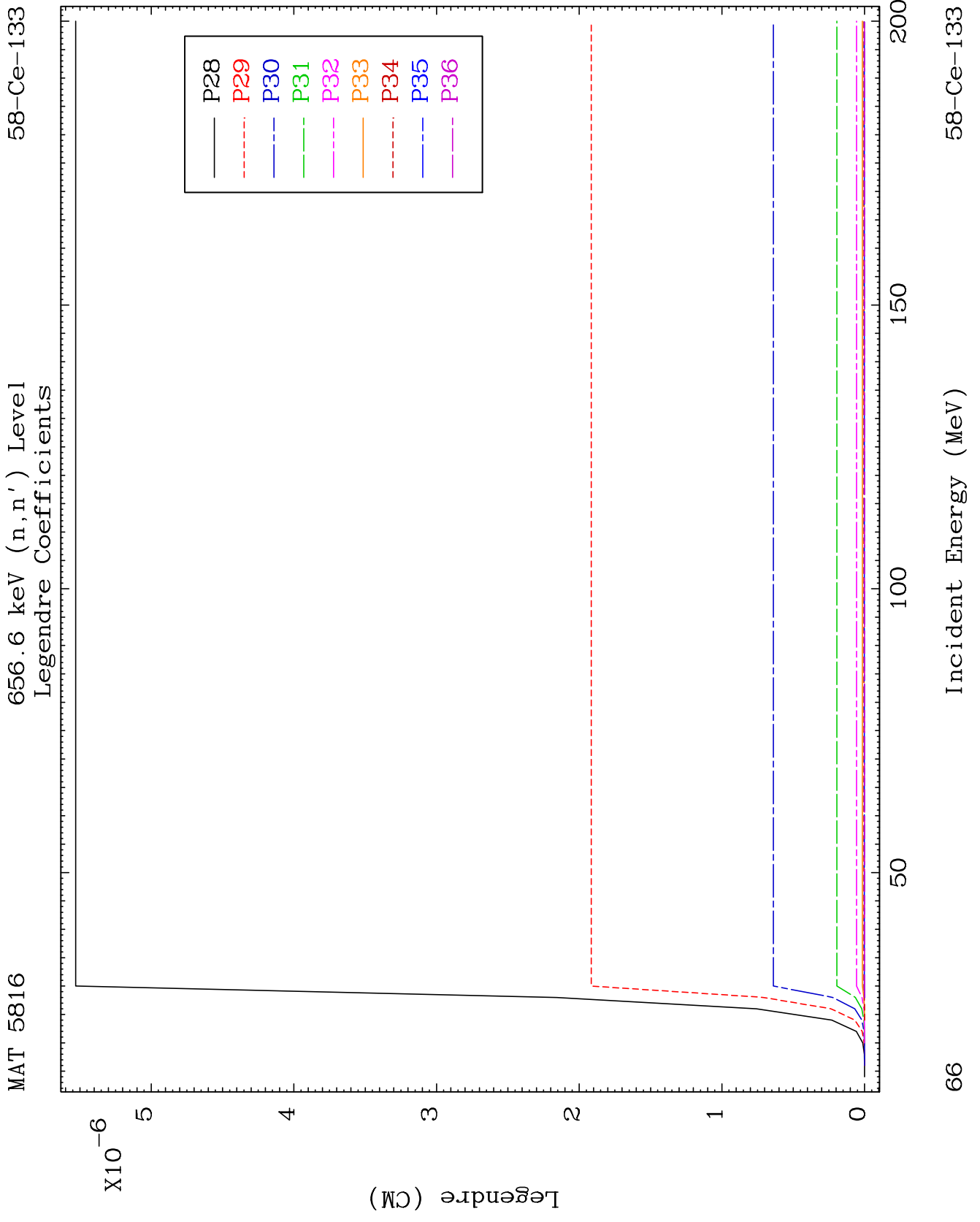
58-Ce-133

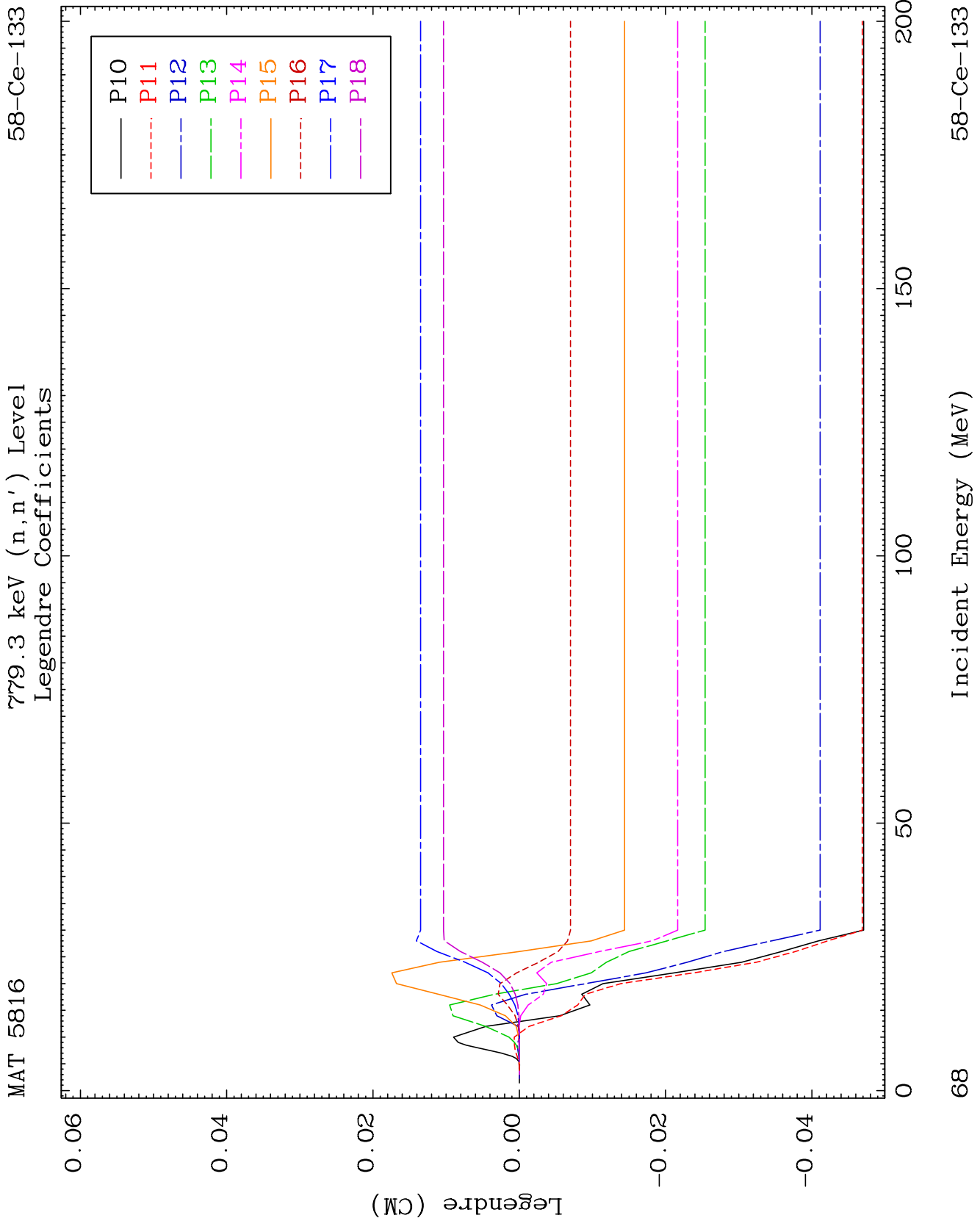


65

Incident Energy (MeV)

58-Ce-133

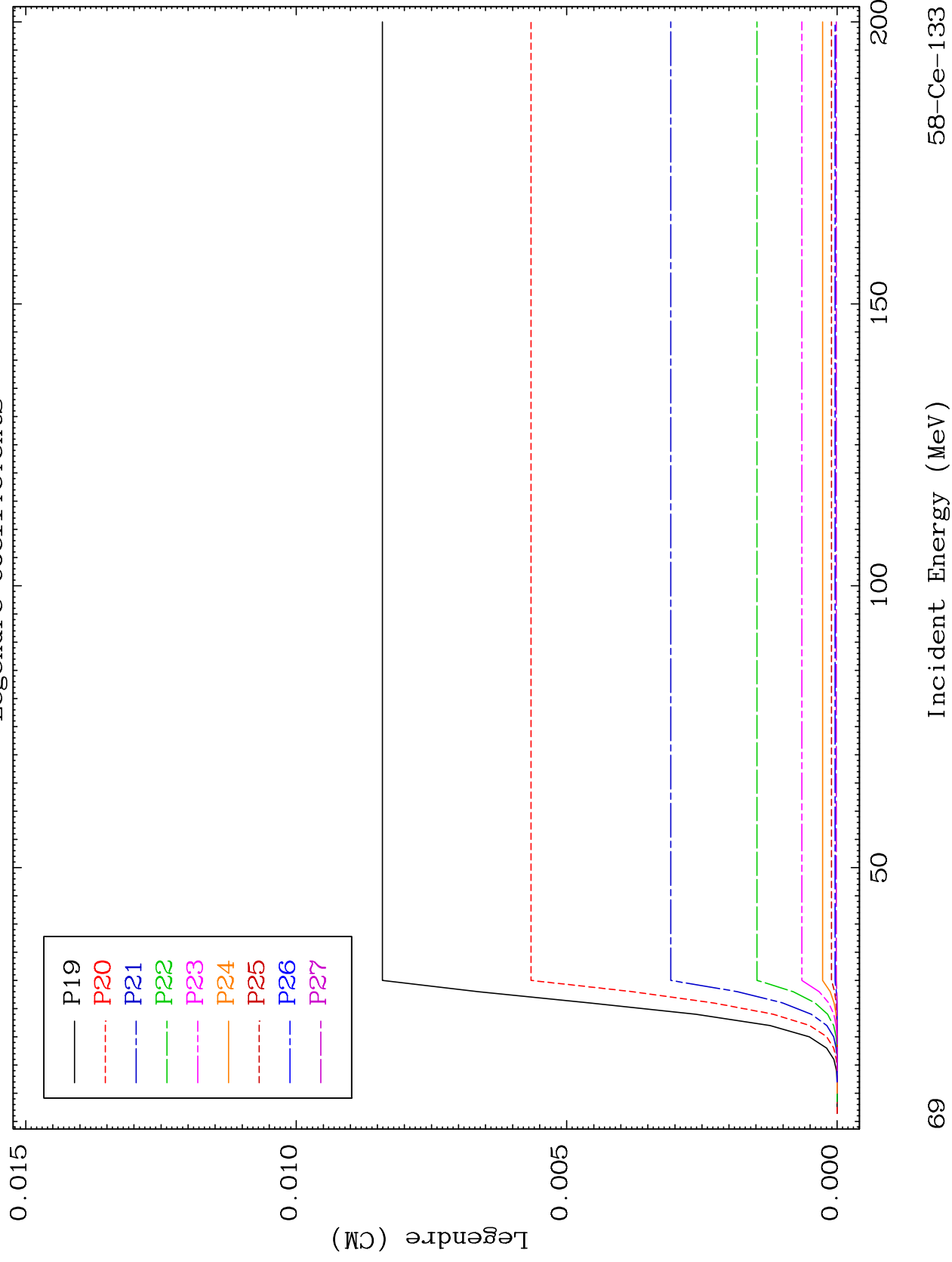




MAT 5816

779.3 keV (n,n') Level
Legendre Coefficients

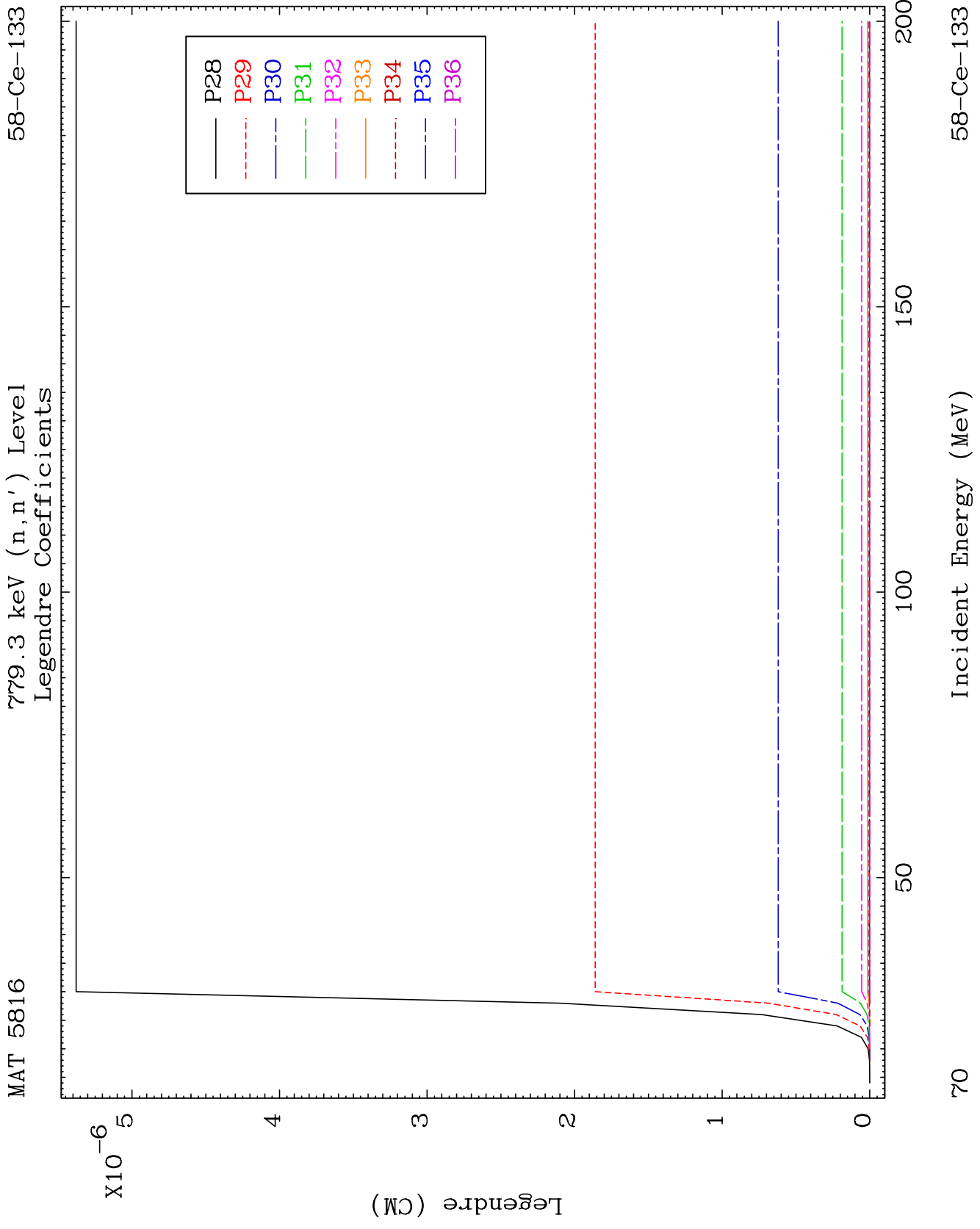
58-Ce-133

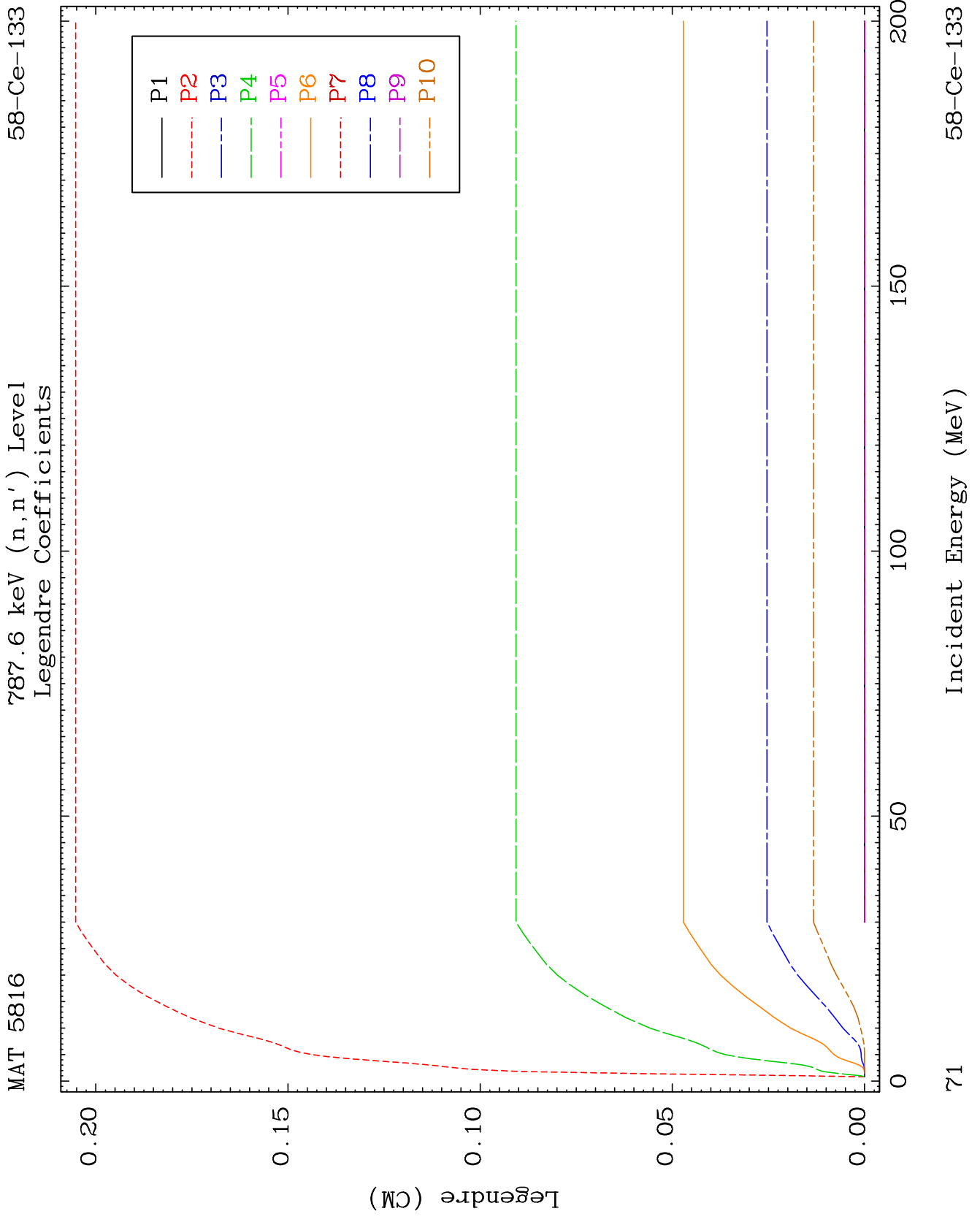


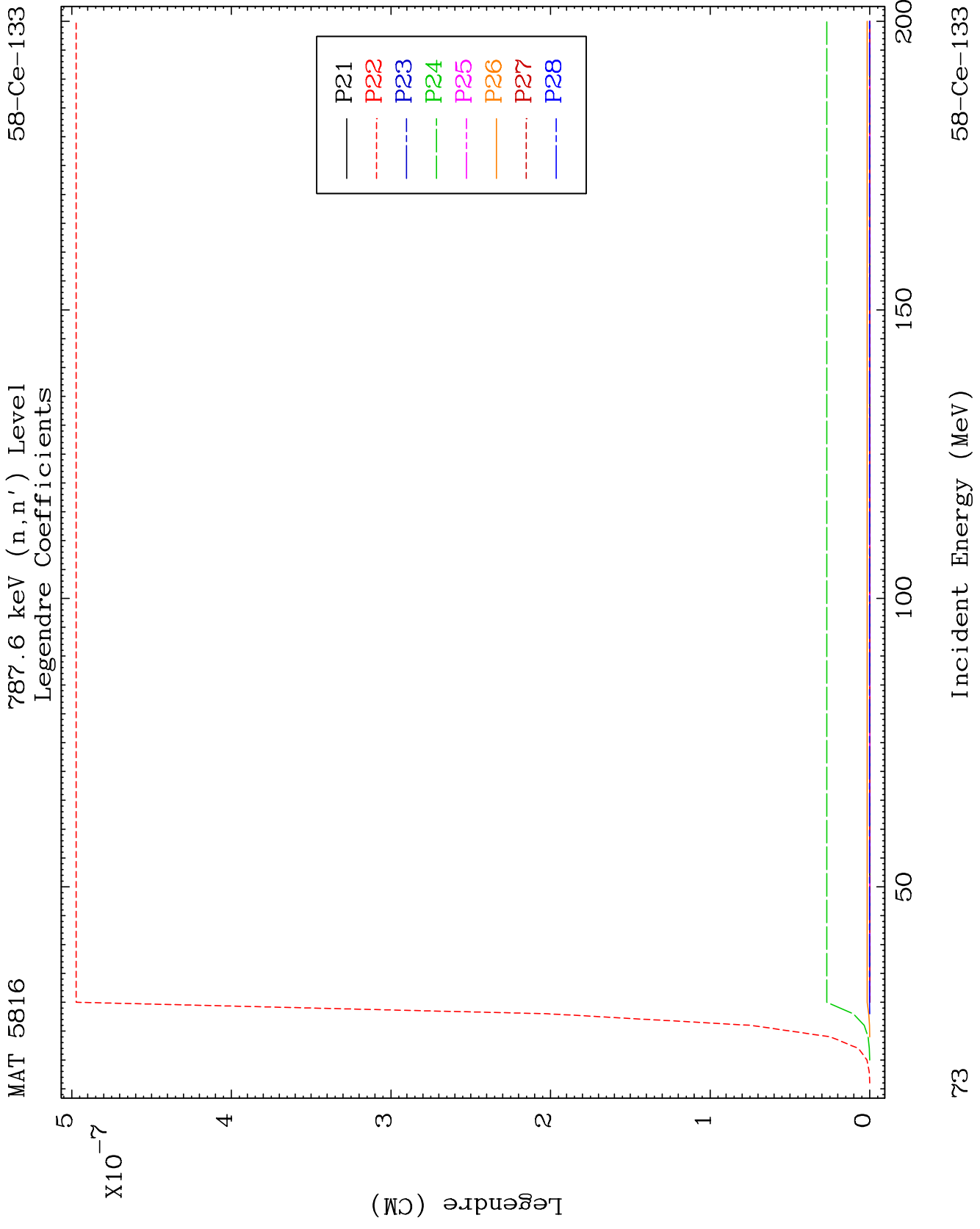
69

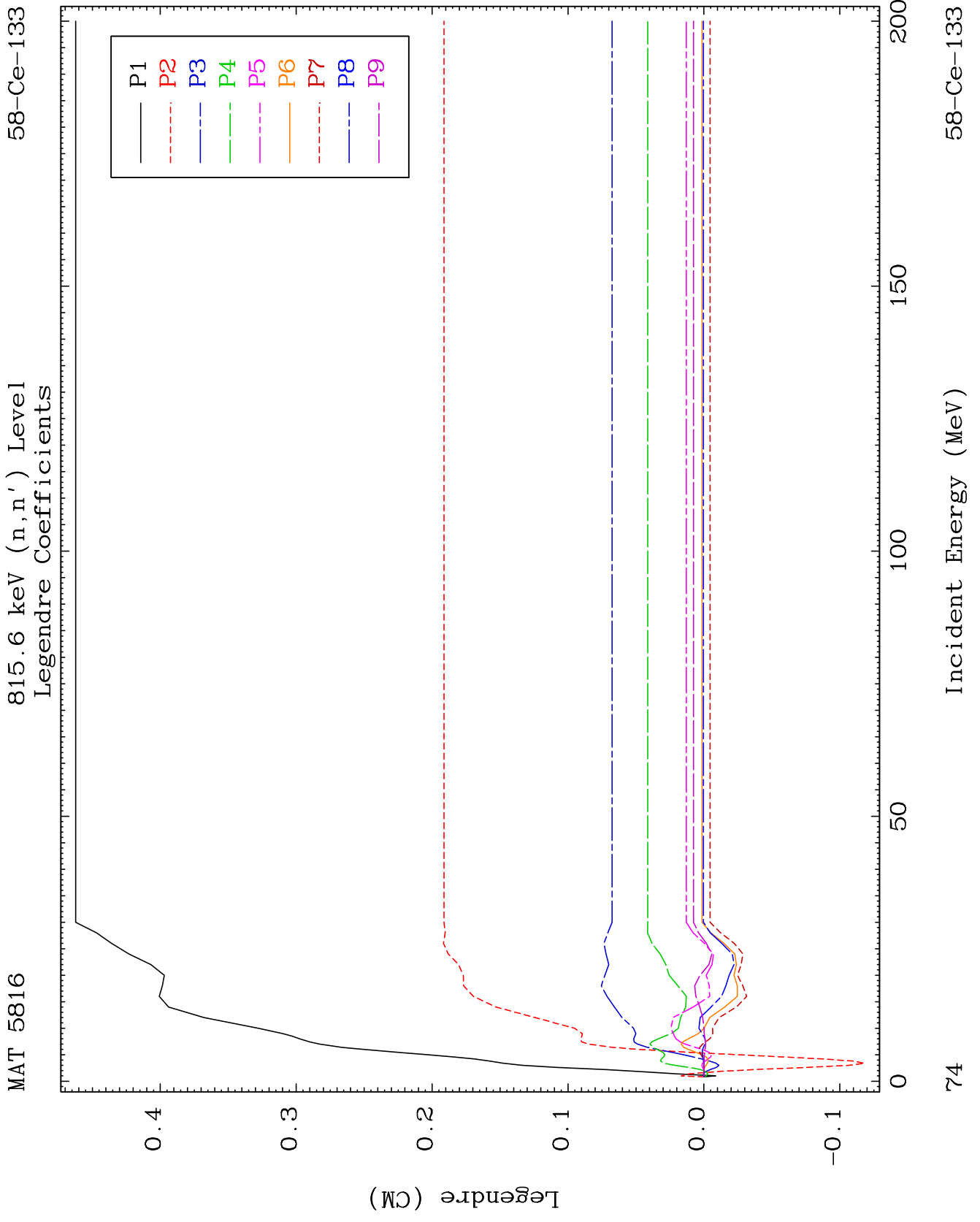
Incident Energy (MeV)

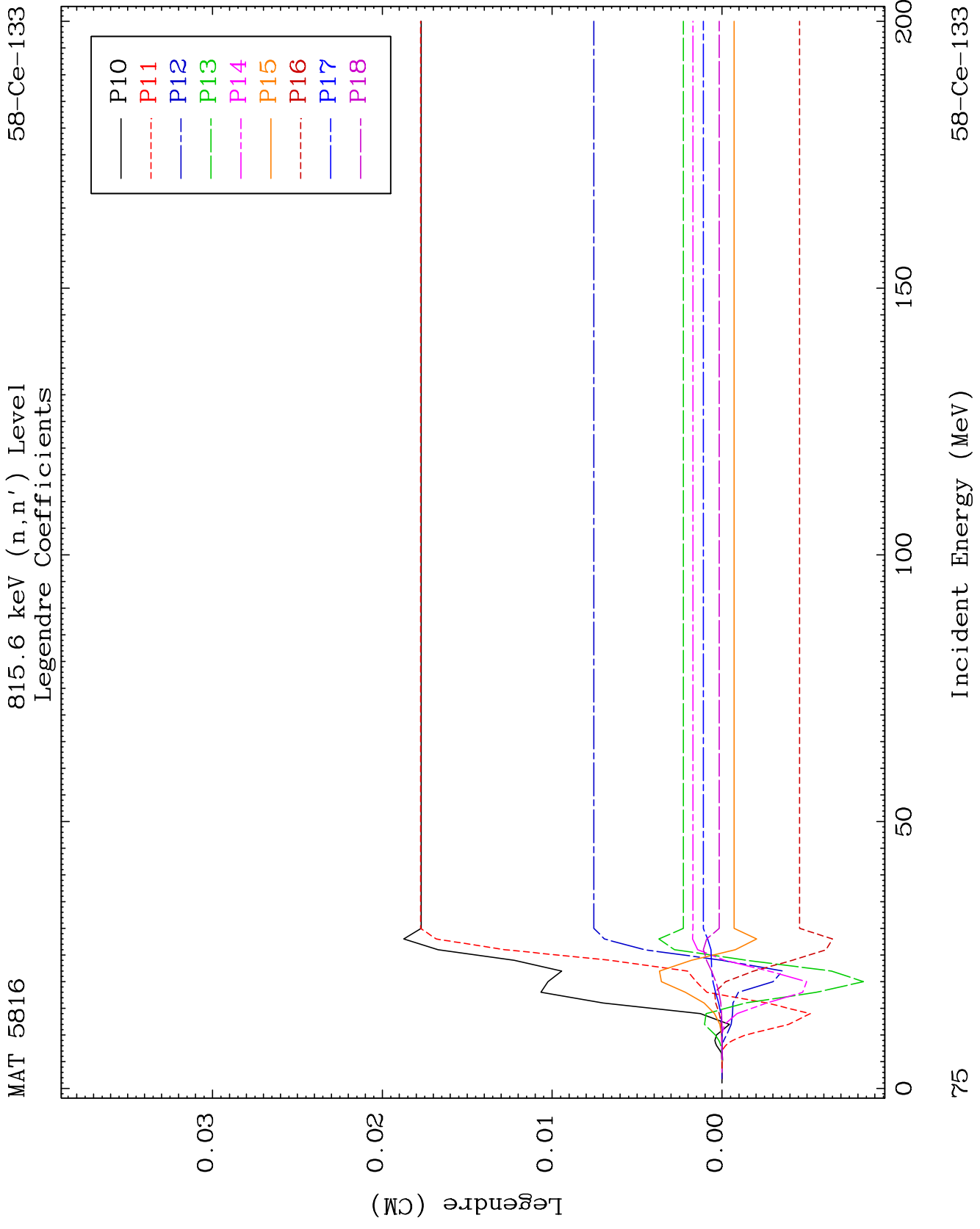
58-Ce-133

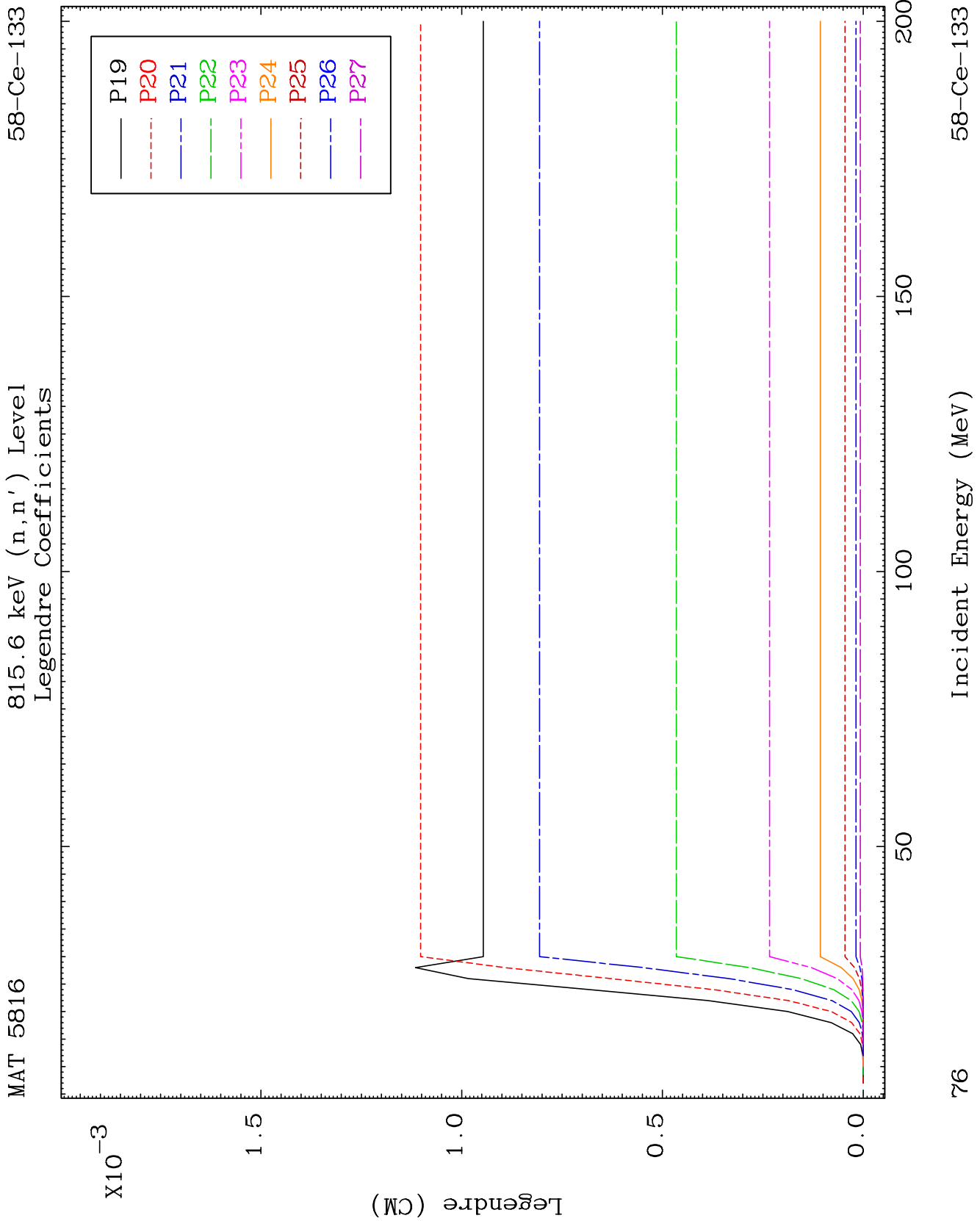


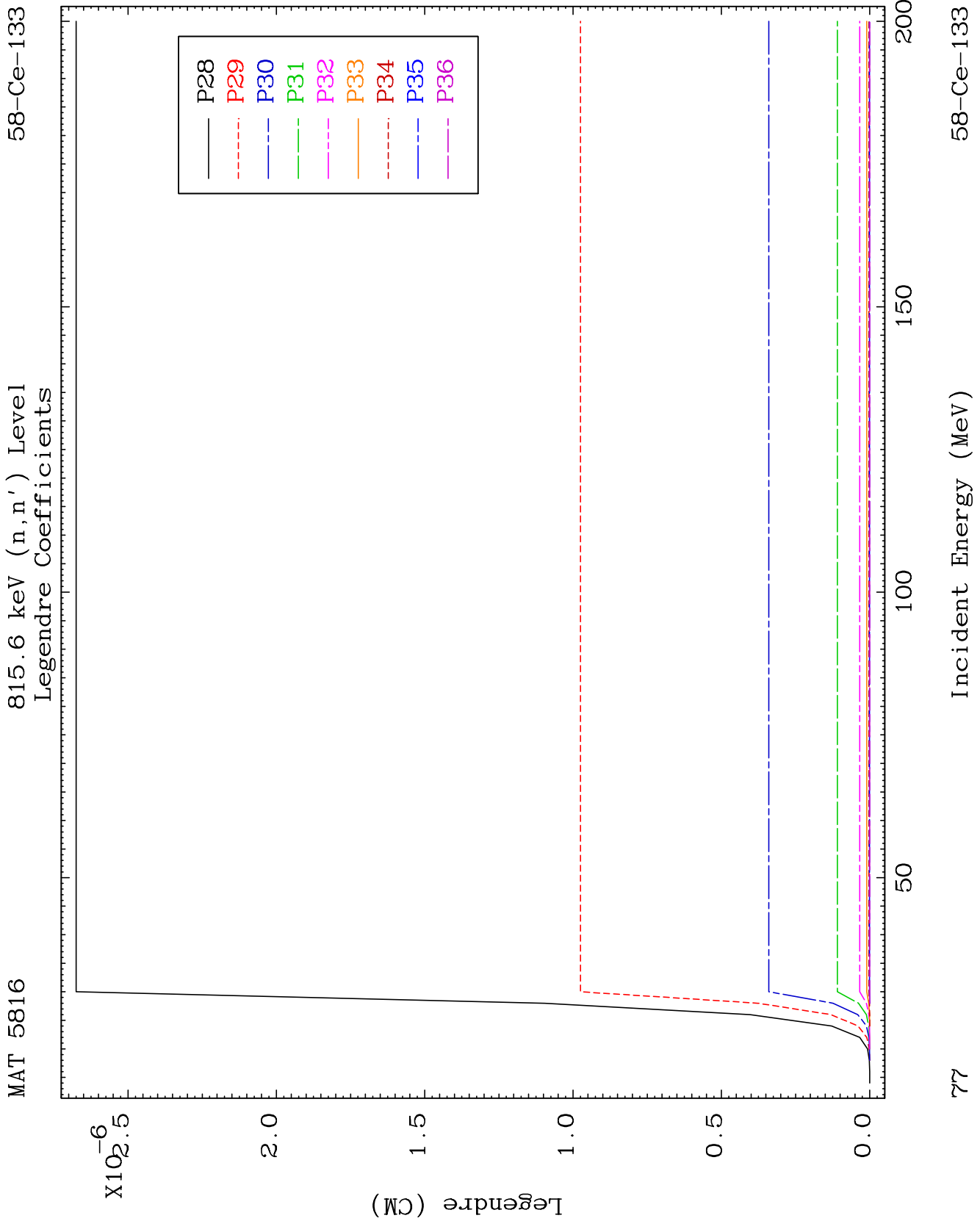


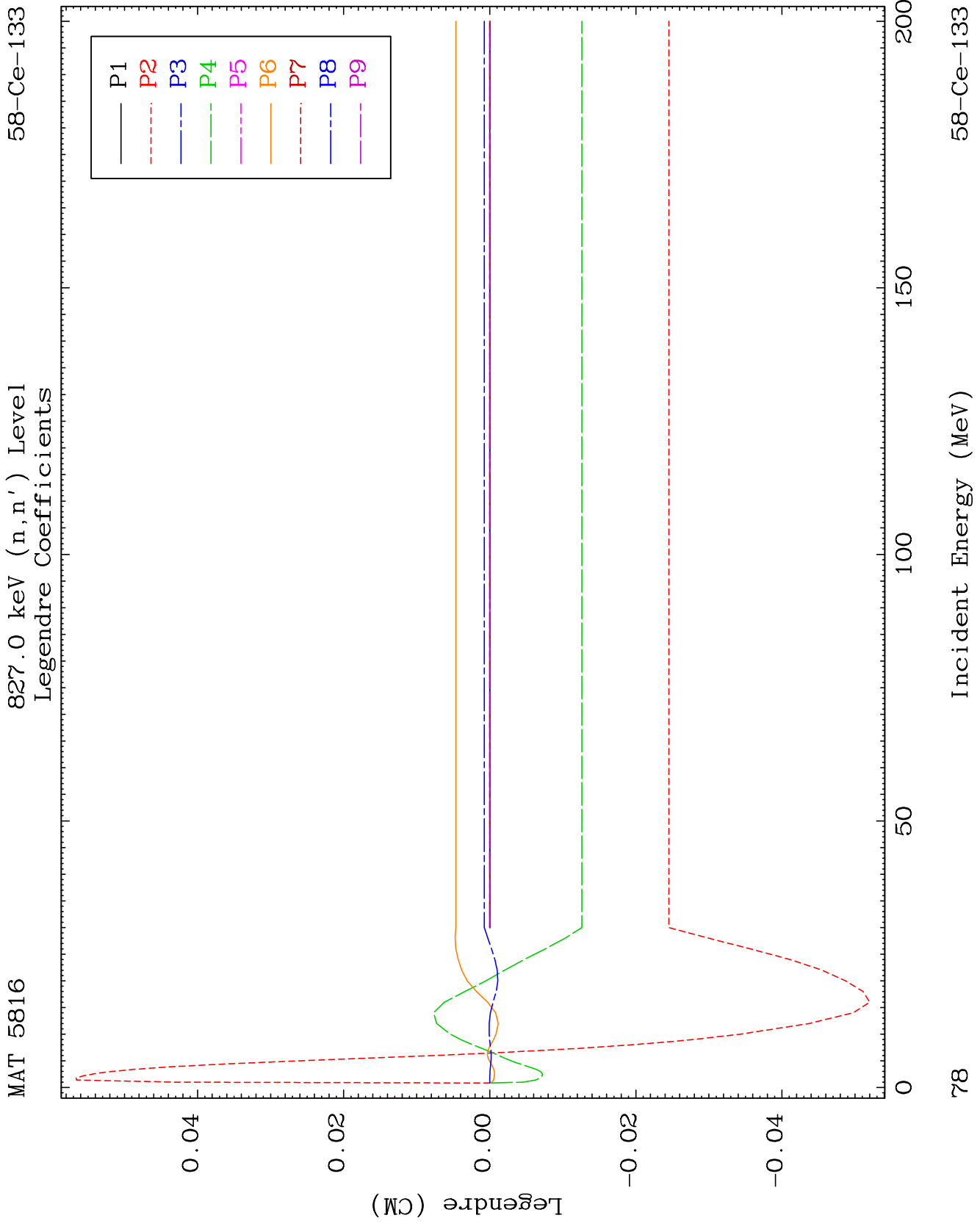


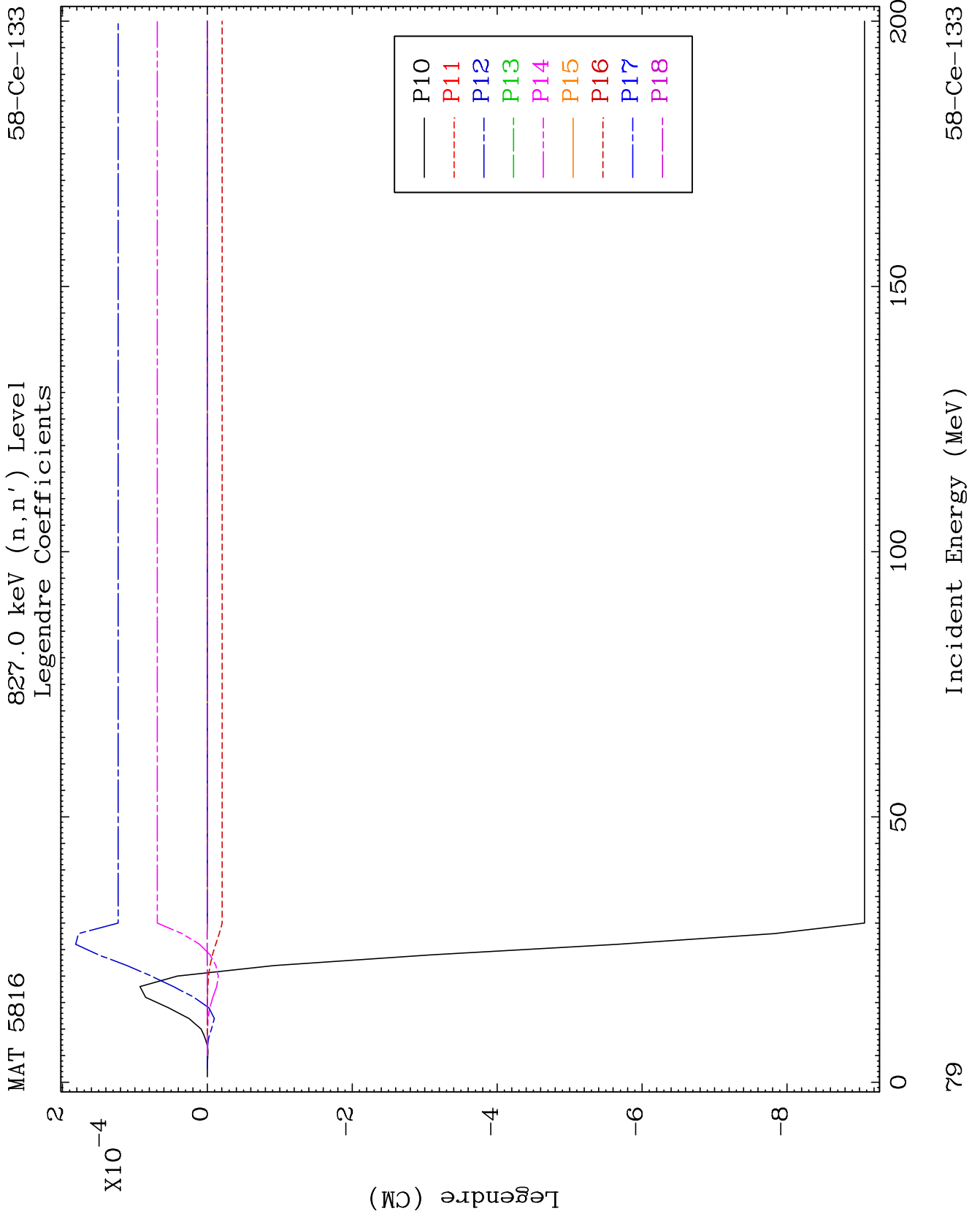


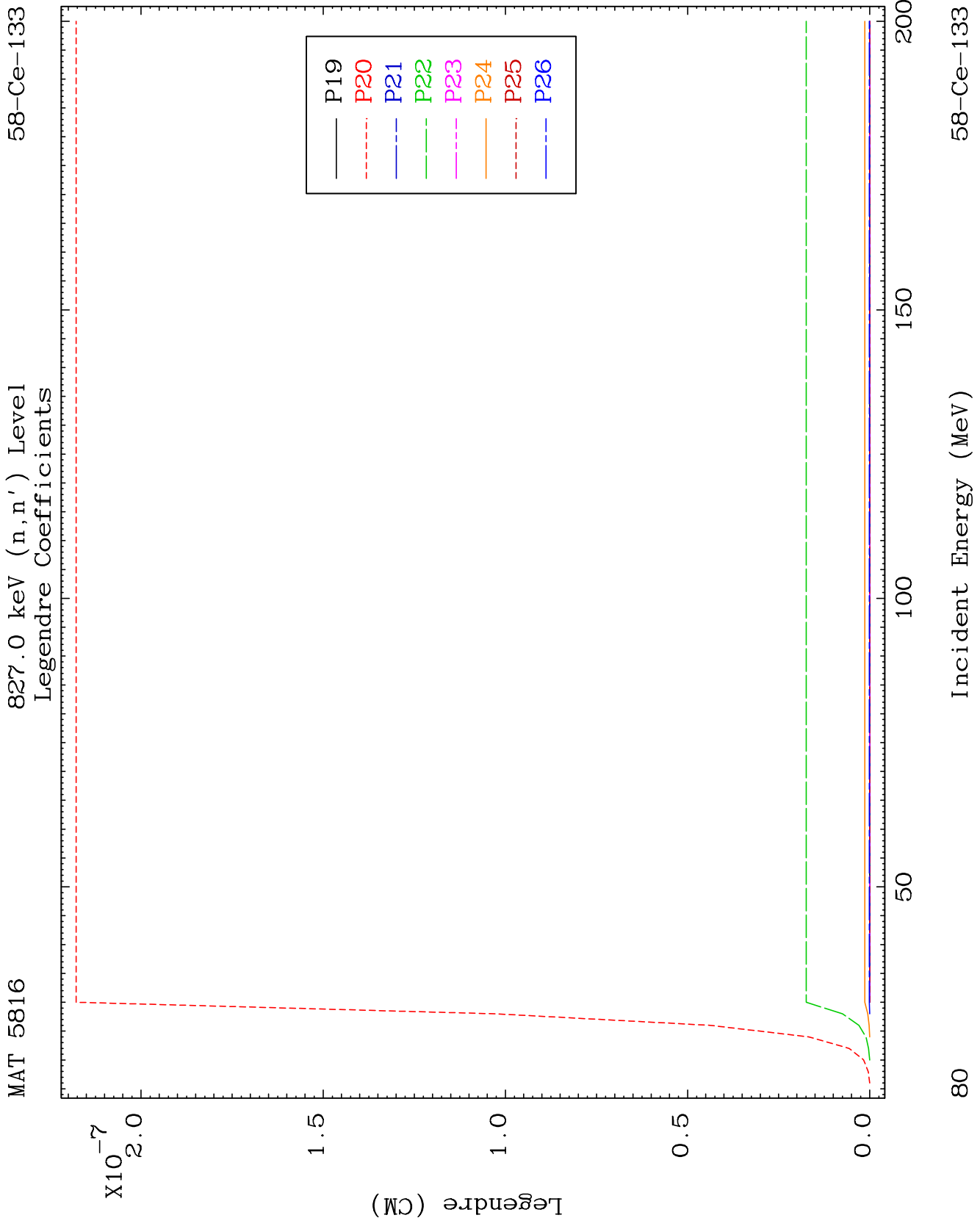


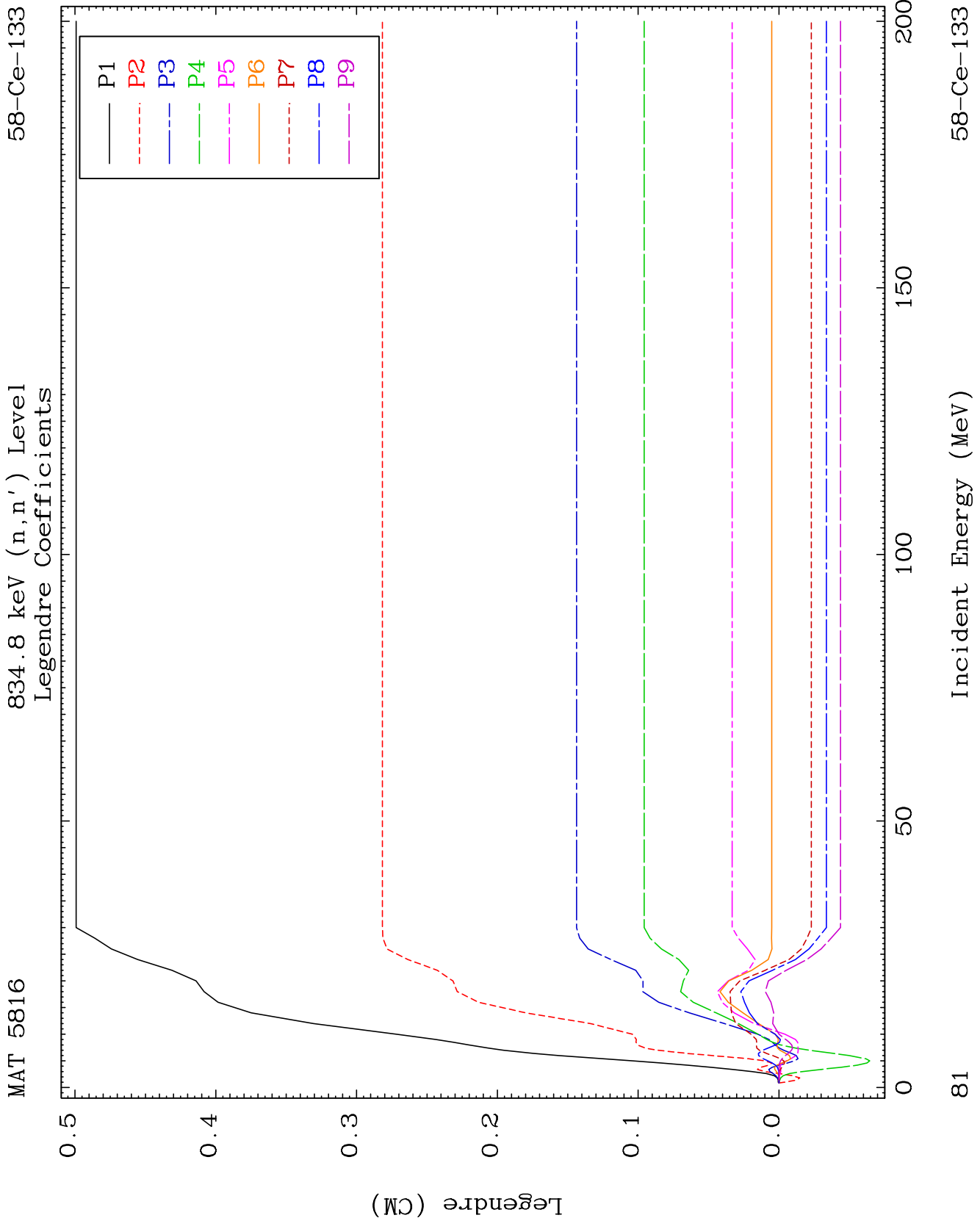








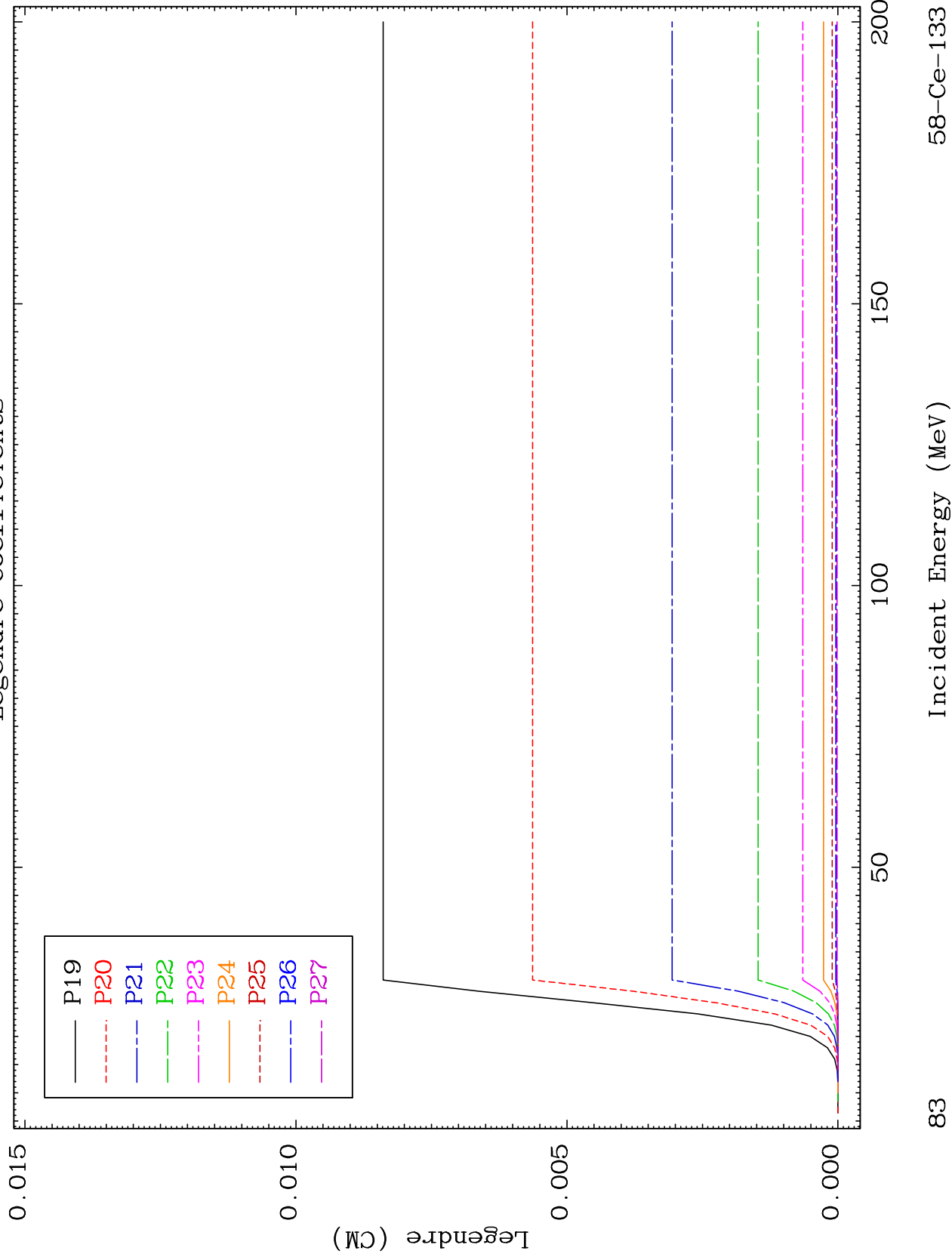




MAT 5816

834.8 keV (n, n') Level
Legendre Coefficients

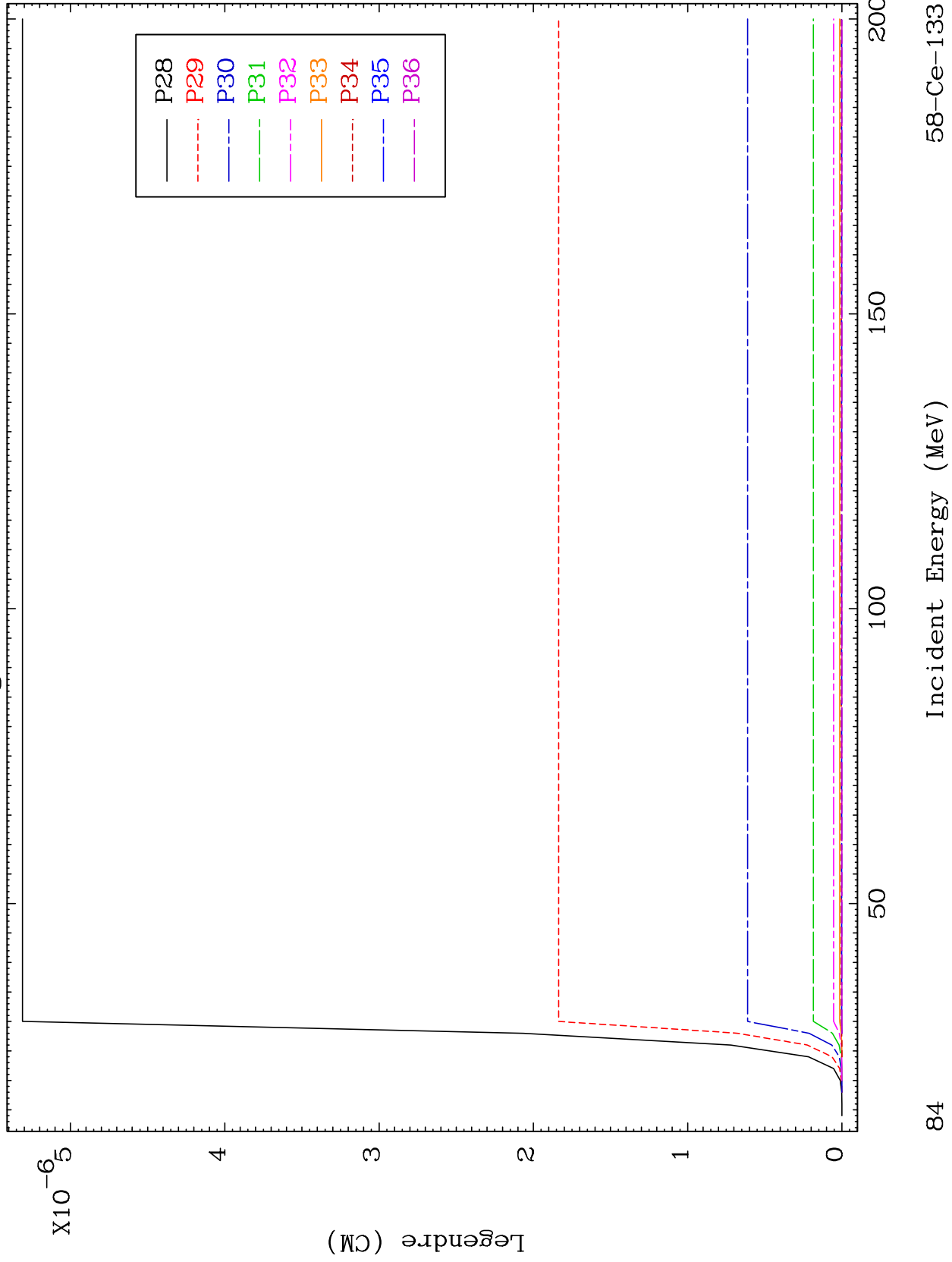
58-Ce-133



MAT 5816

834.8 keV (n, n') Level
Legendre Coefficients

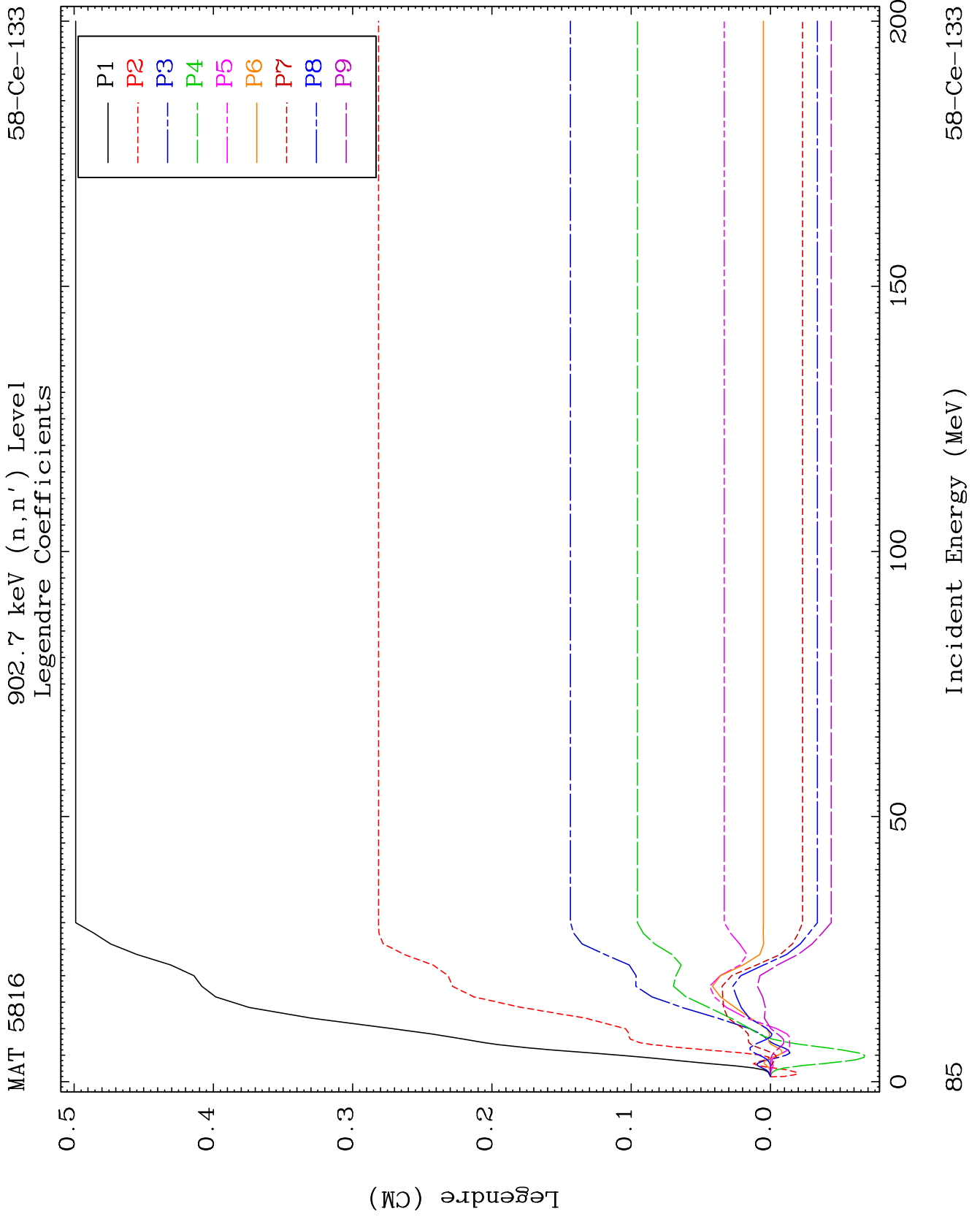
58-Ce-133

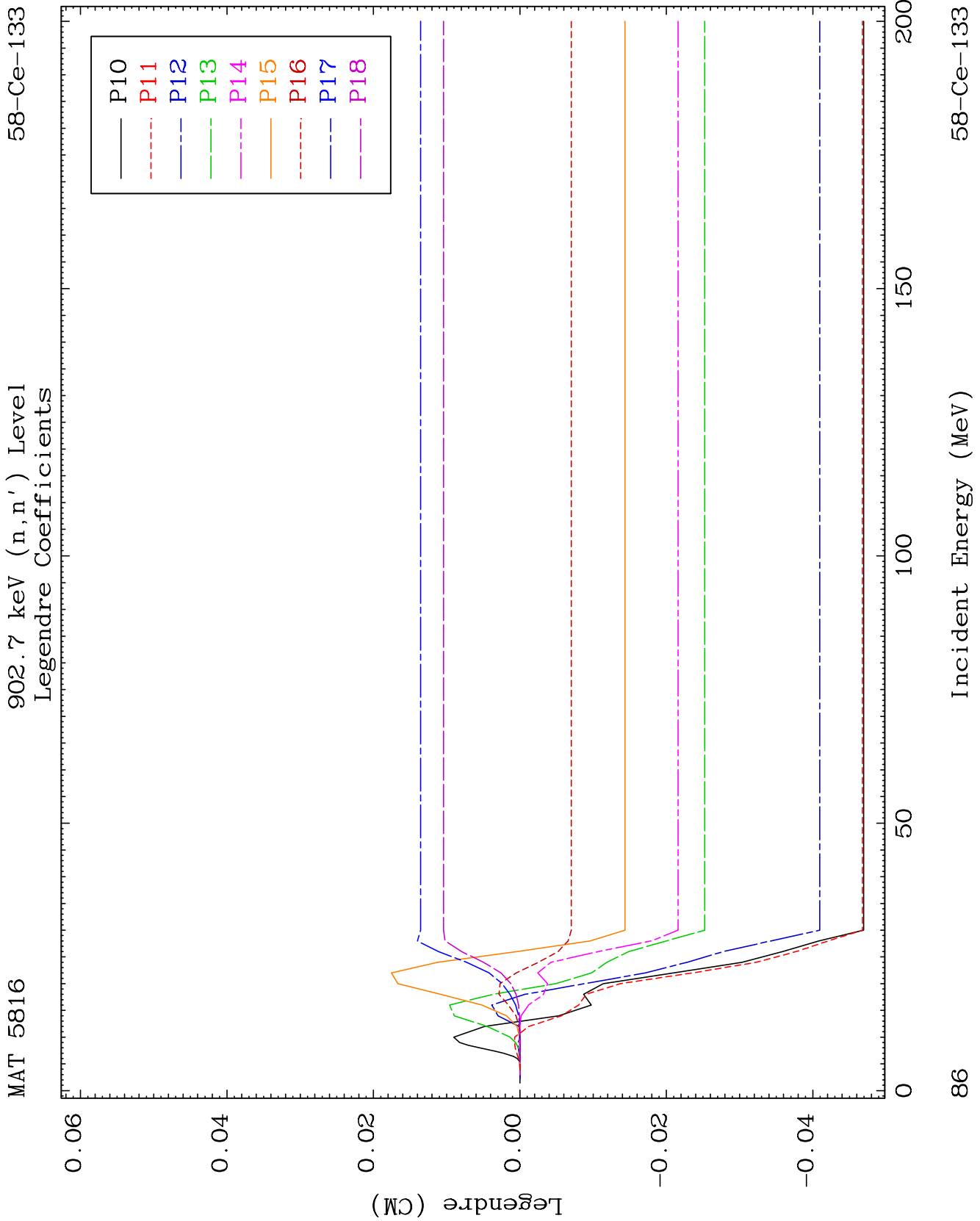


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Incident Energy (MeV)

58-Ce-133

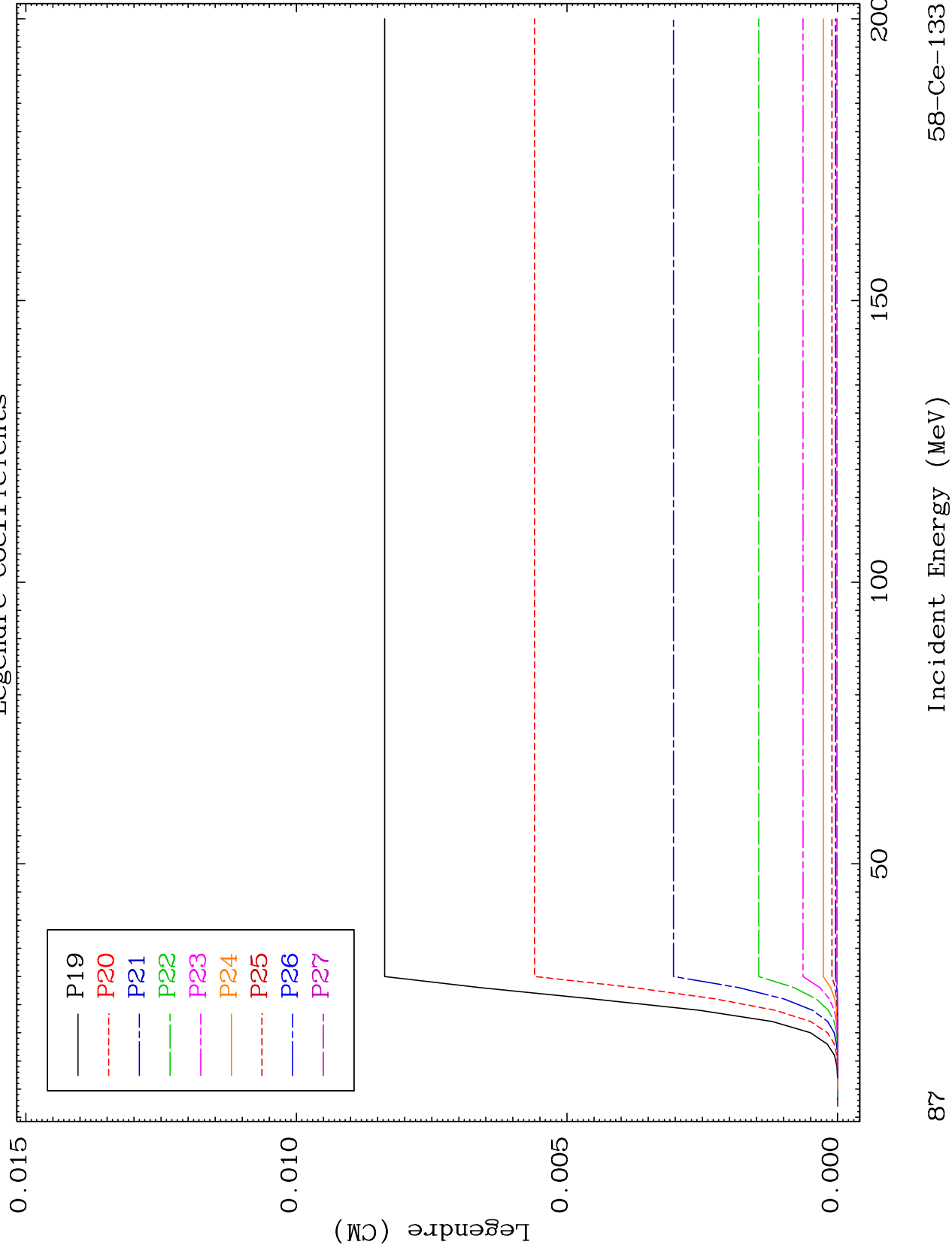




MAT 5816

902.7 keV (n,n') Level
Legendre Coefficients

58-Ce-133



87

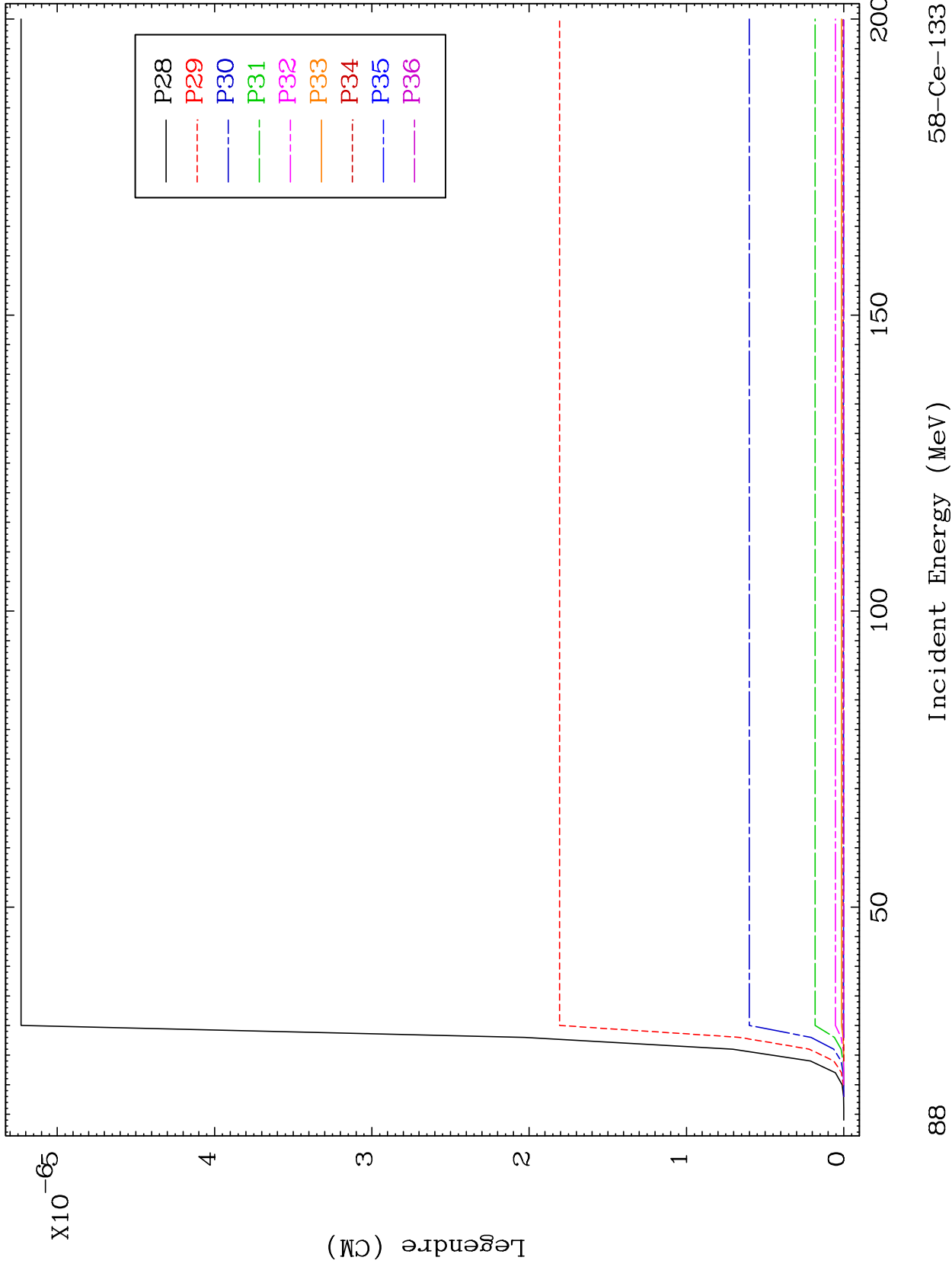
Incident Energy (MeV)

58-Ce-133

MAT 5816

902.7 keV (n,n') Level
Legendre Coefficients

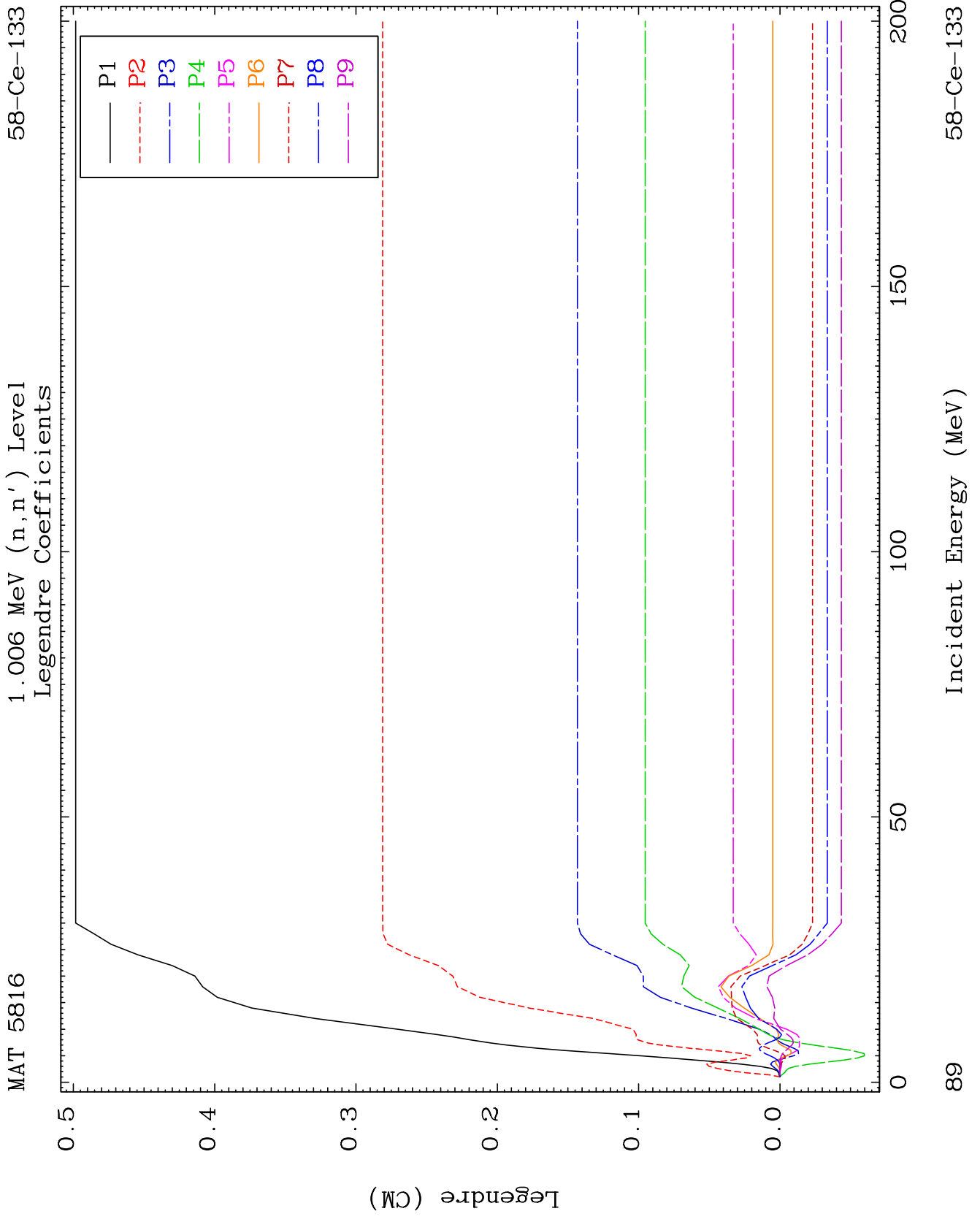
58-Ce-133

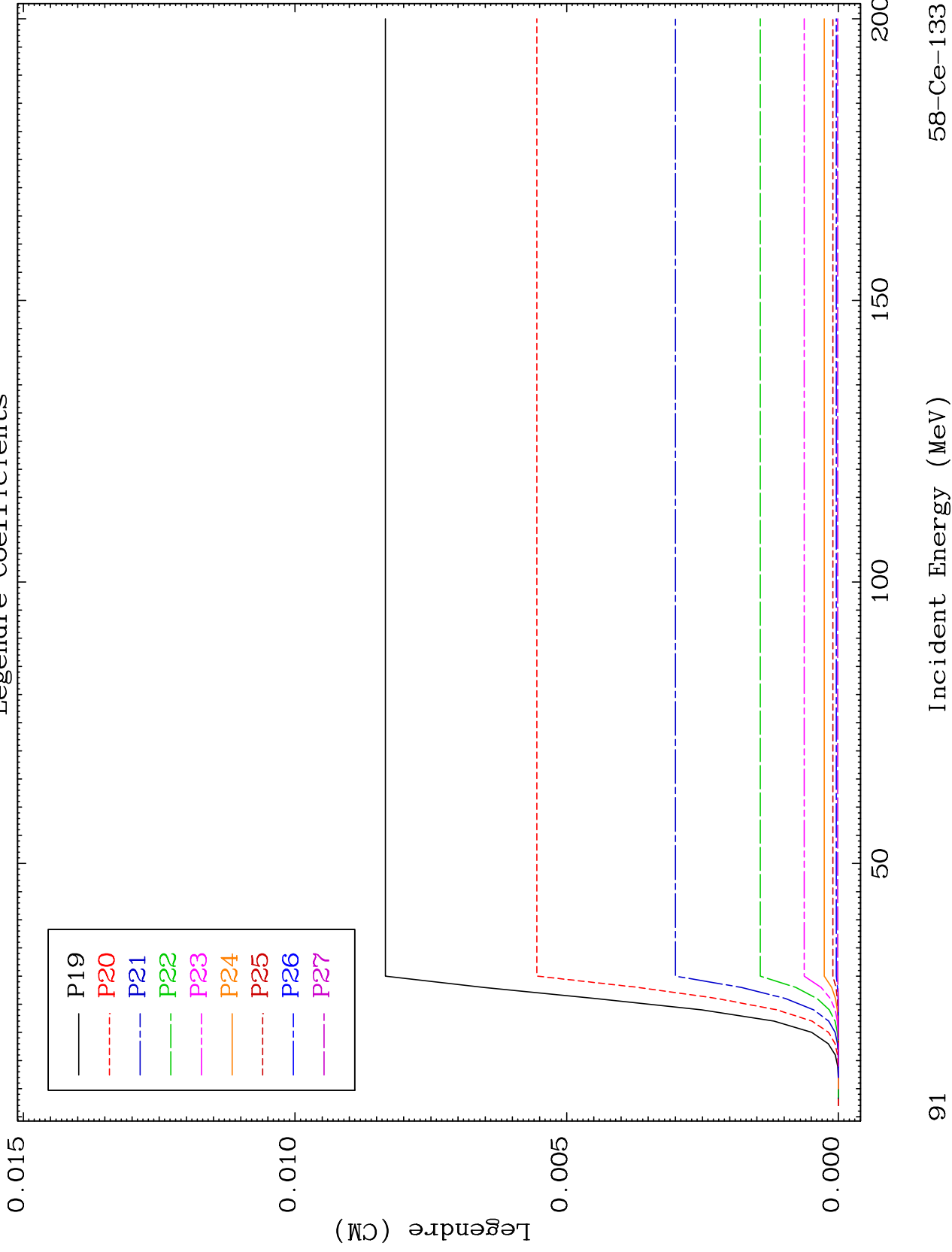


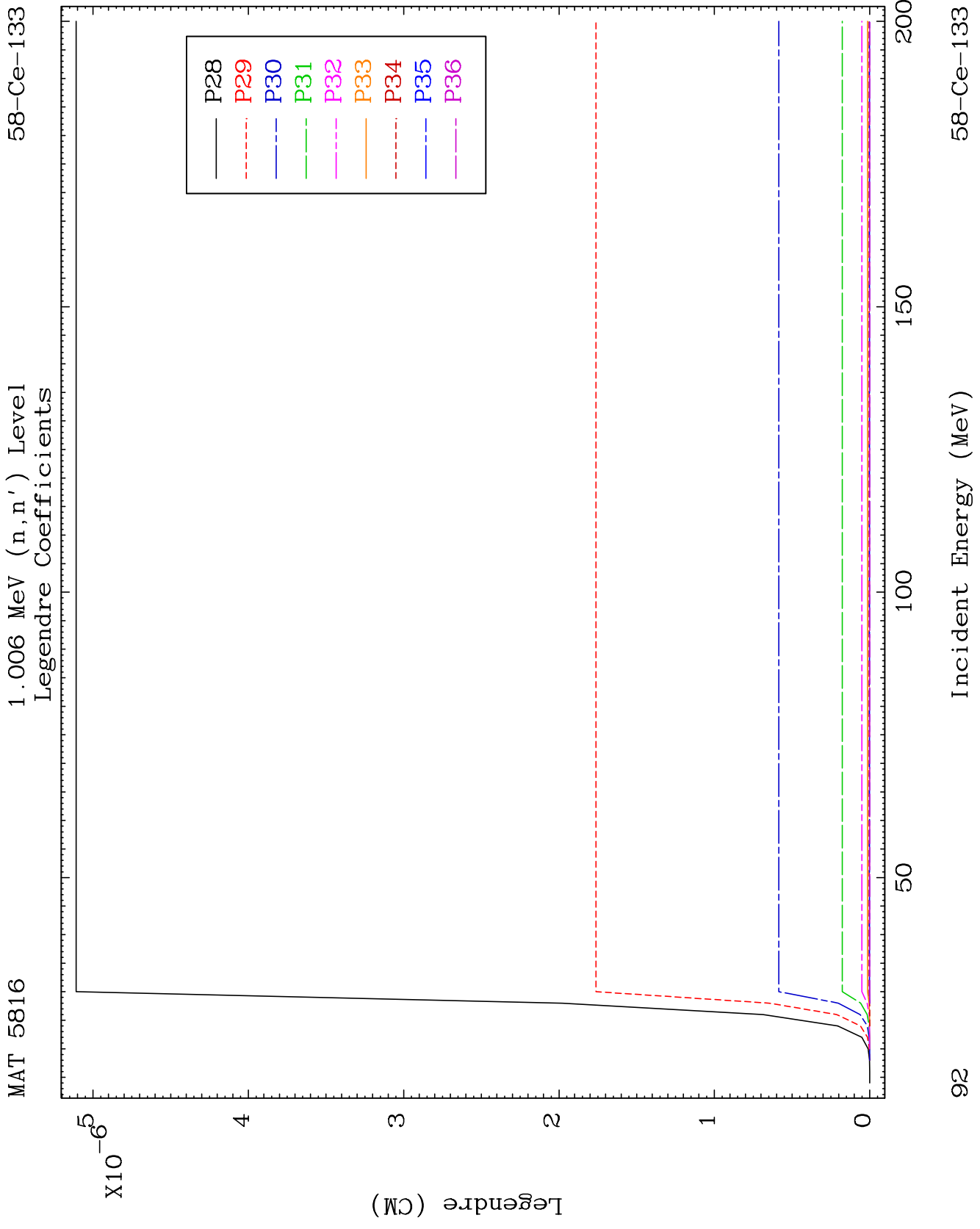
88

Incident Energy (MeV)

58-Ce-133



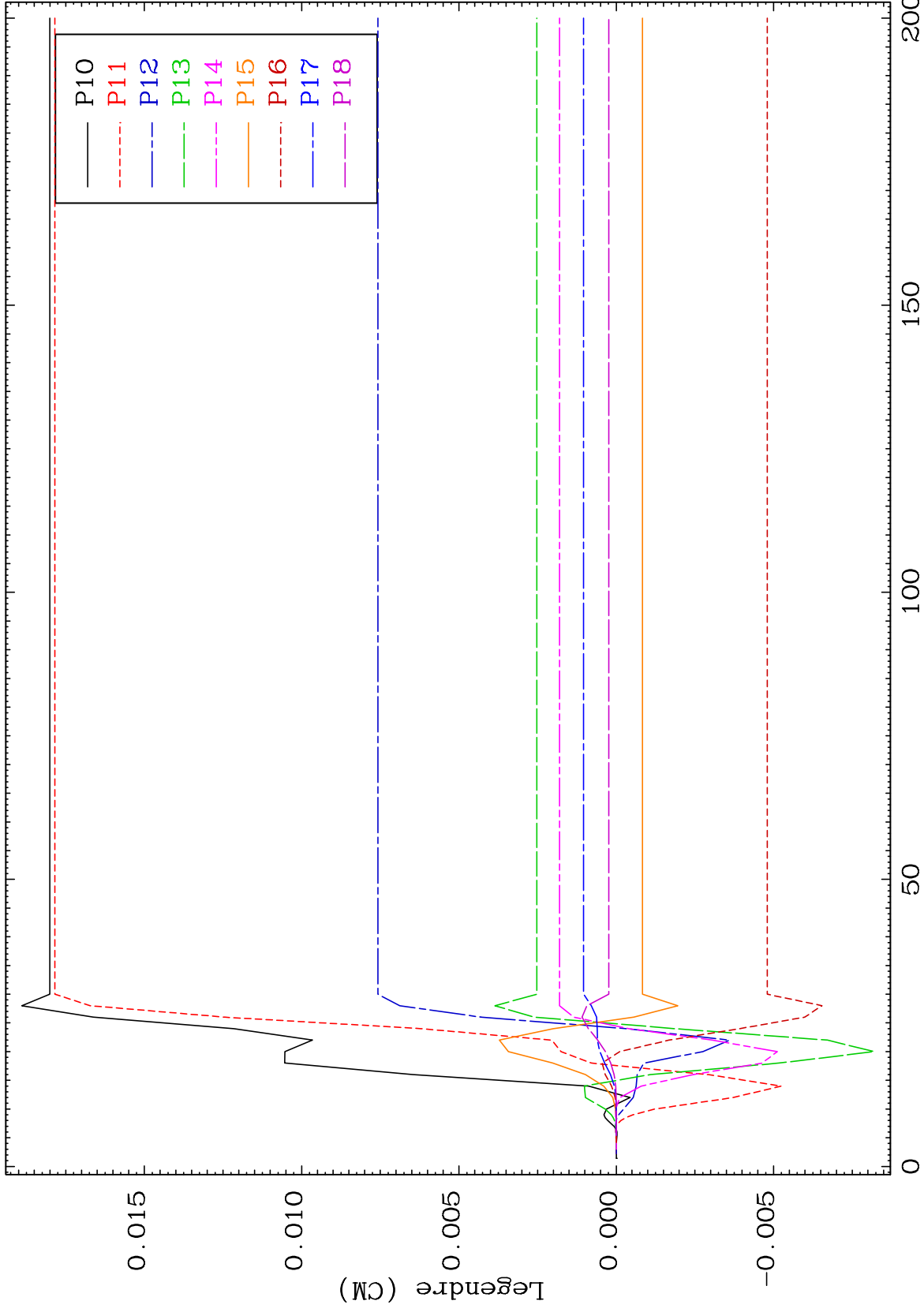




MAT 5816

1.116 MeV (n,n') Level
Legendre Coefficients

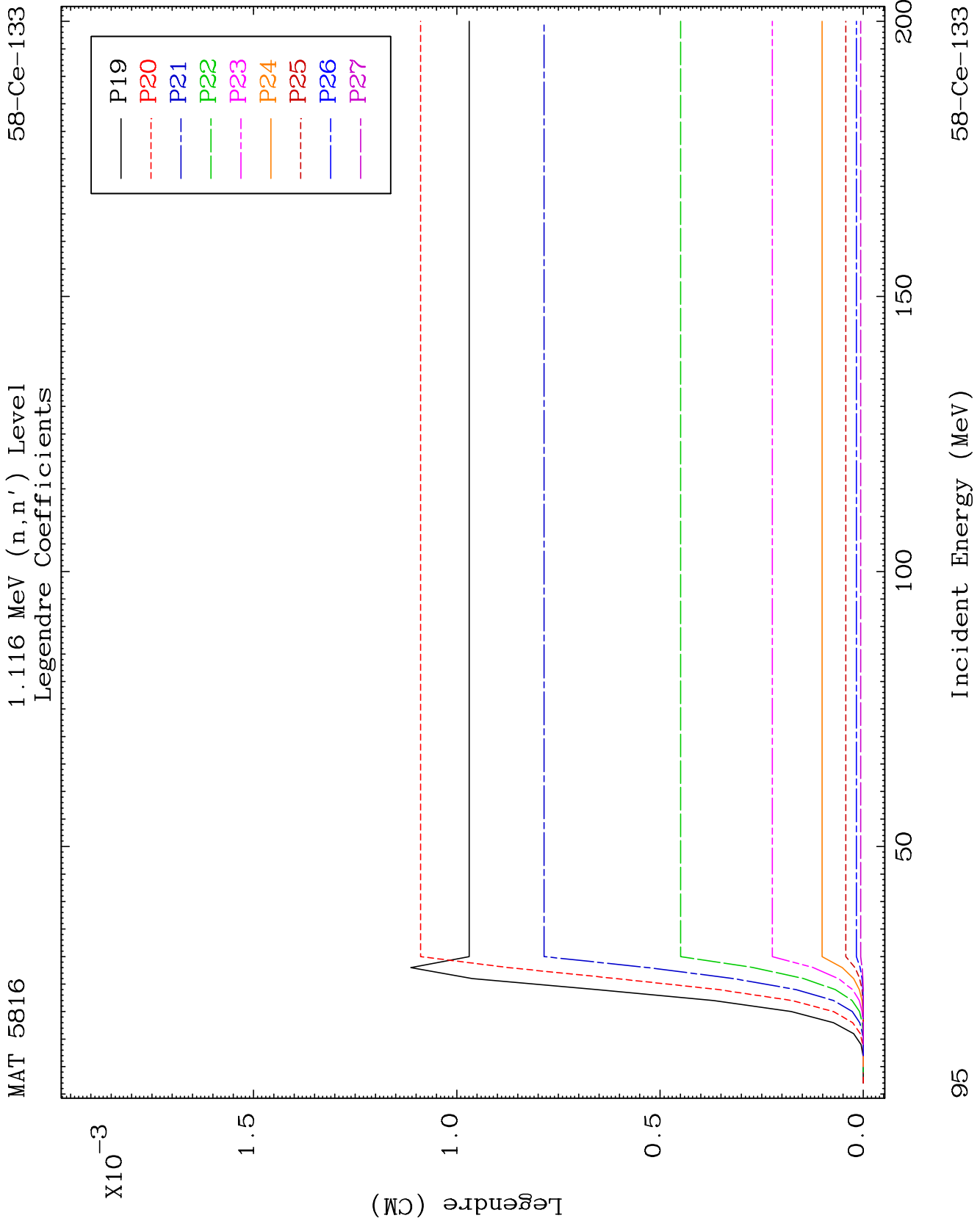
58-Ce-133

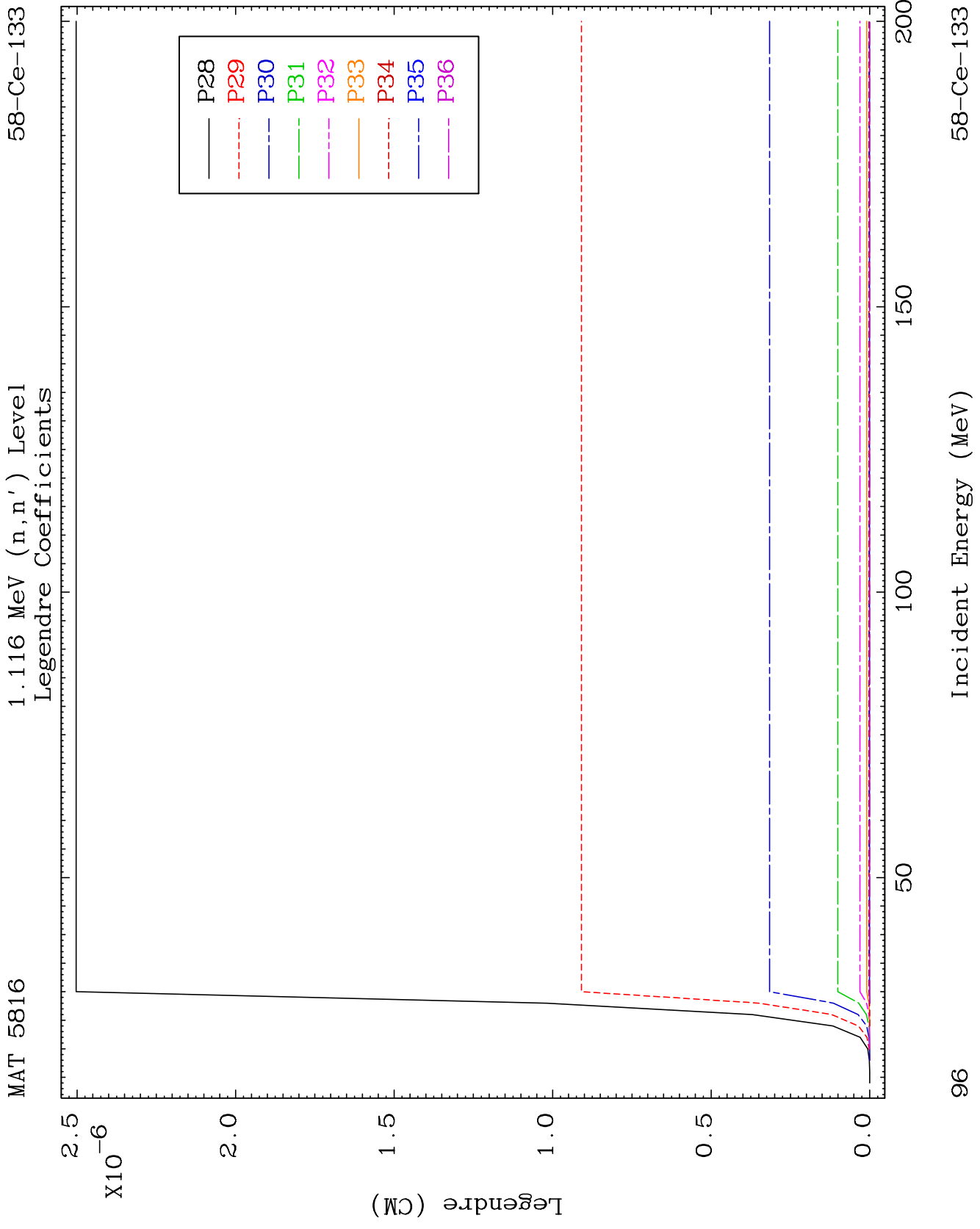


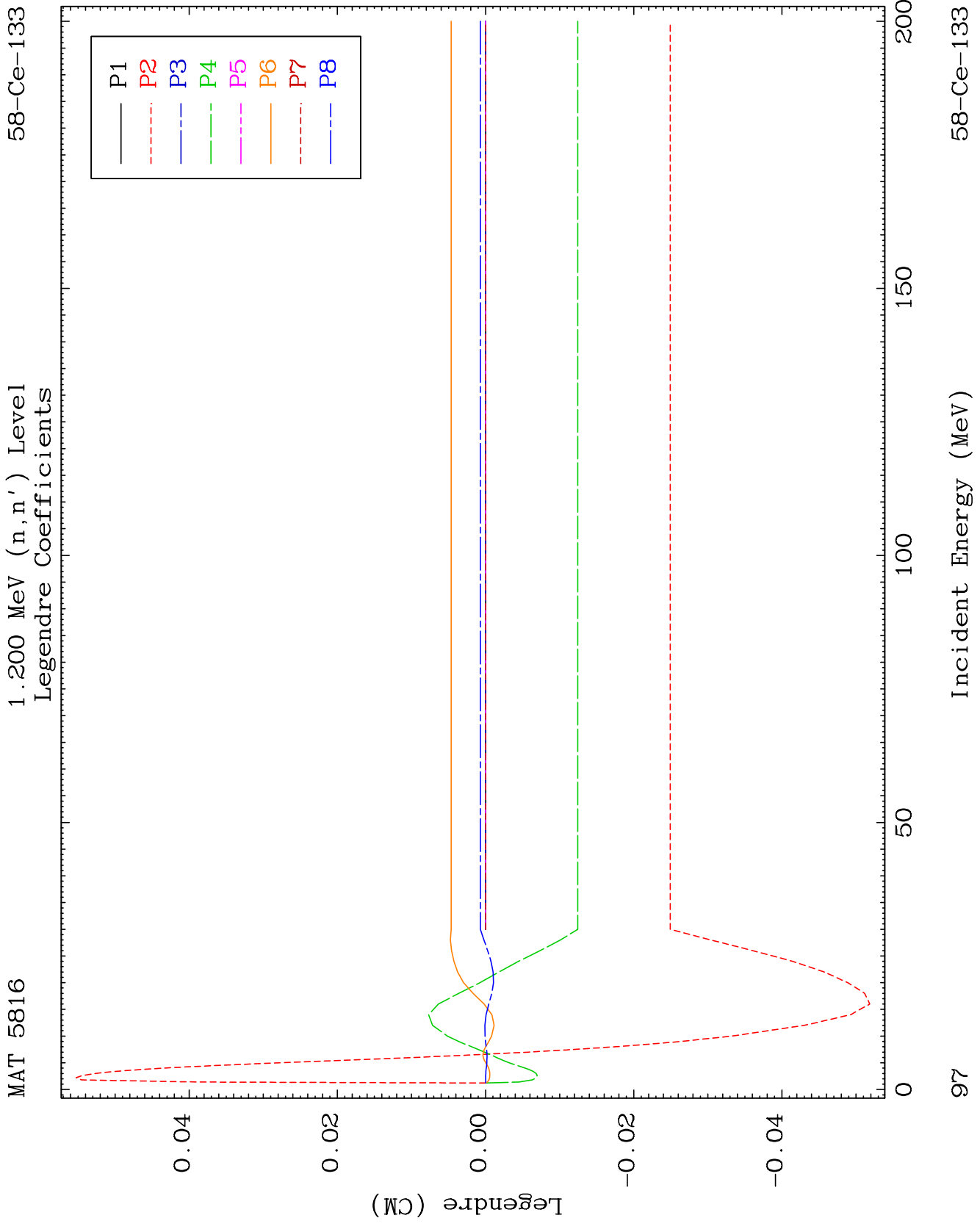
94

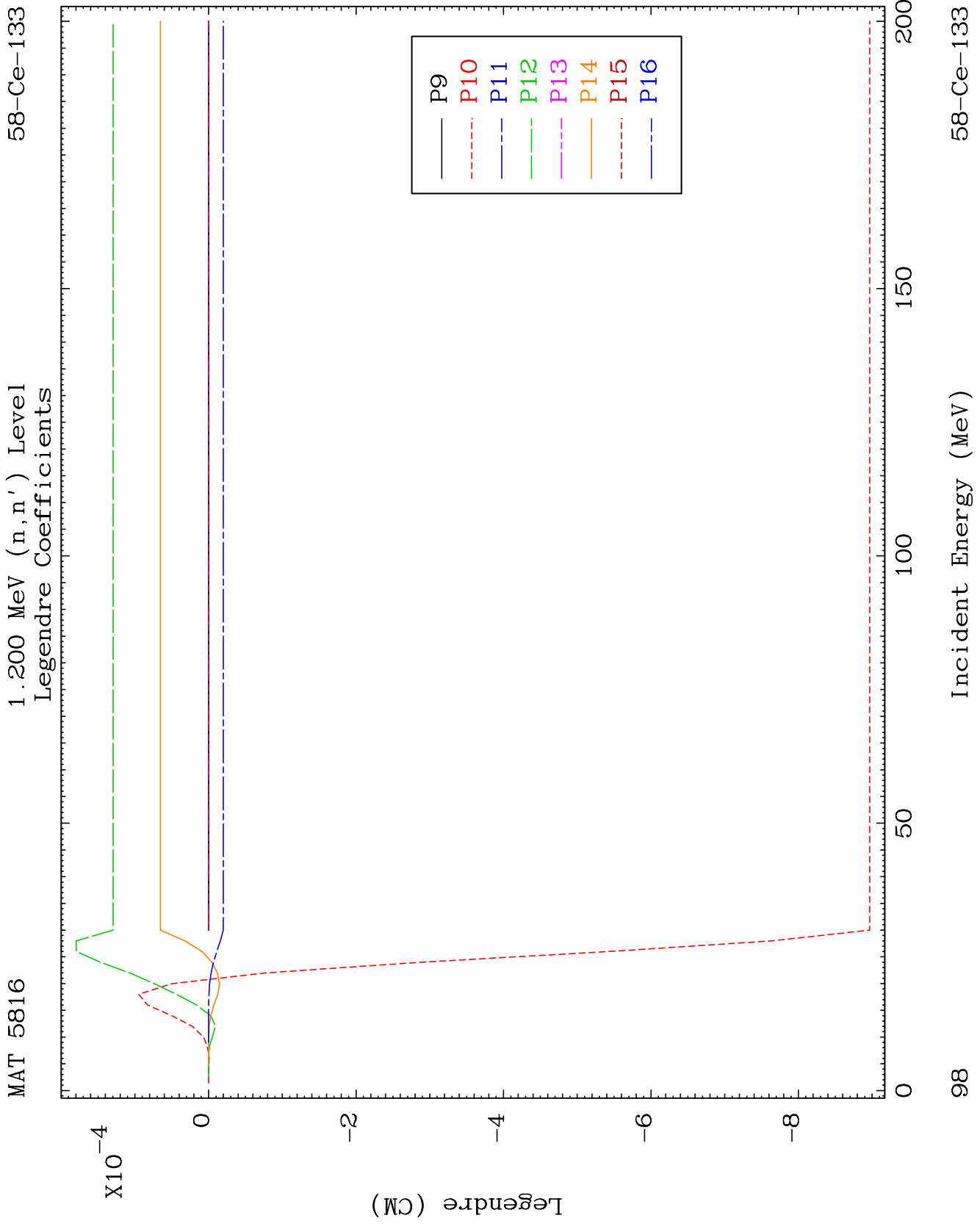
Incident Energy (MeV)

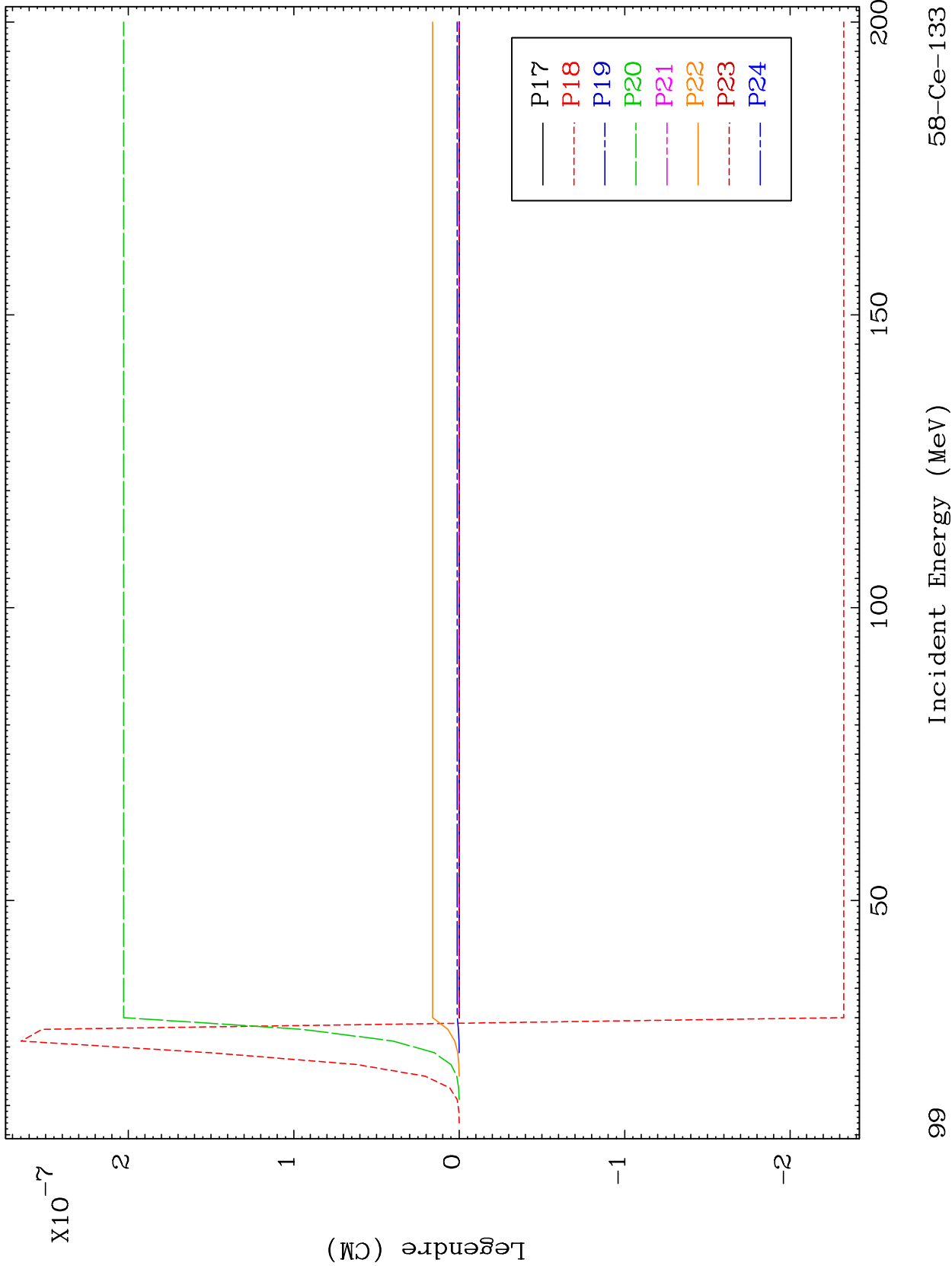
58-Ce-133







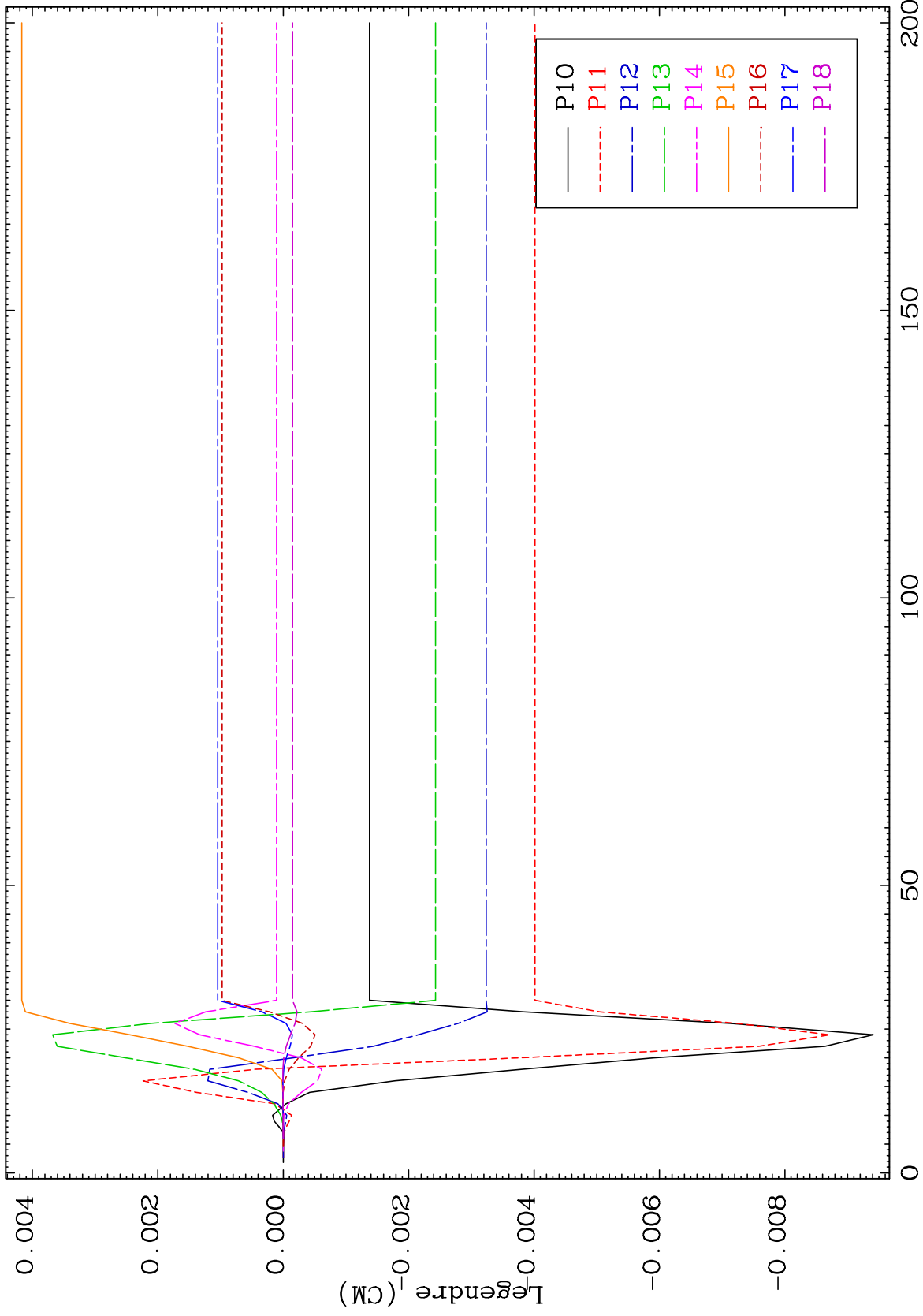




MAT 5816

1.268 MeV (n, n') Level
Legendre Coefficients

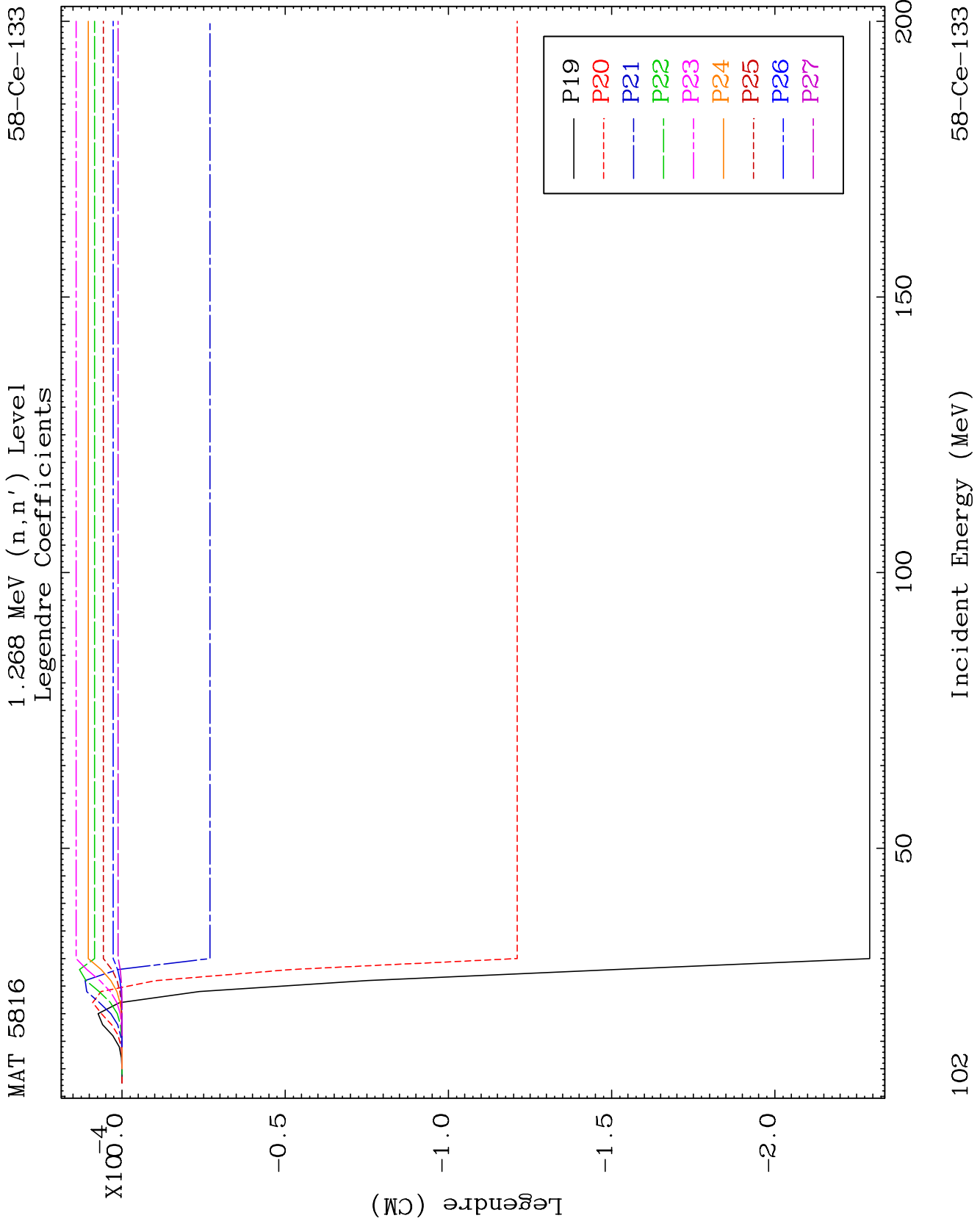
58-Ce-133

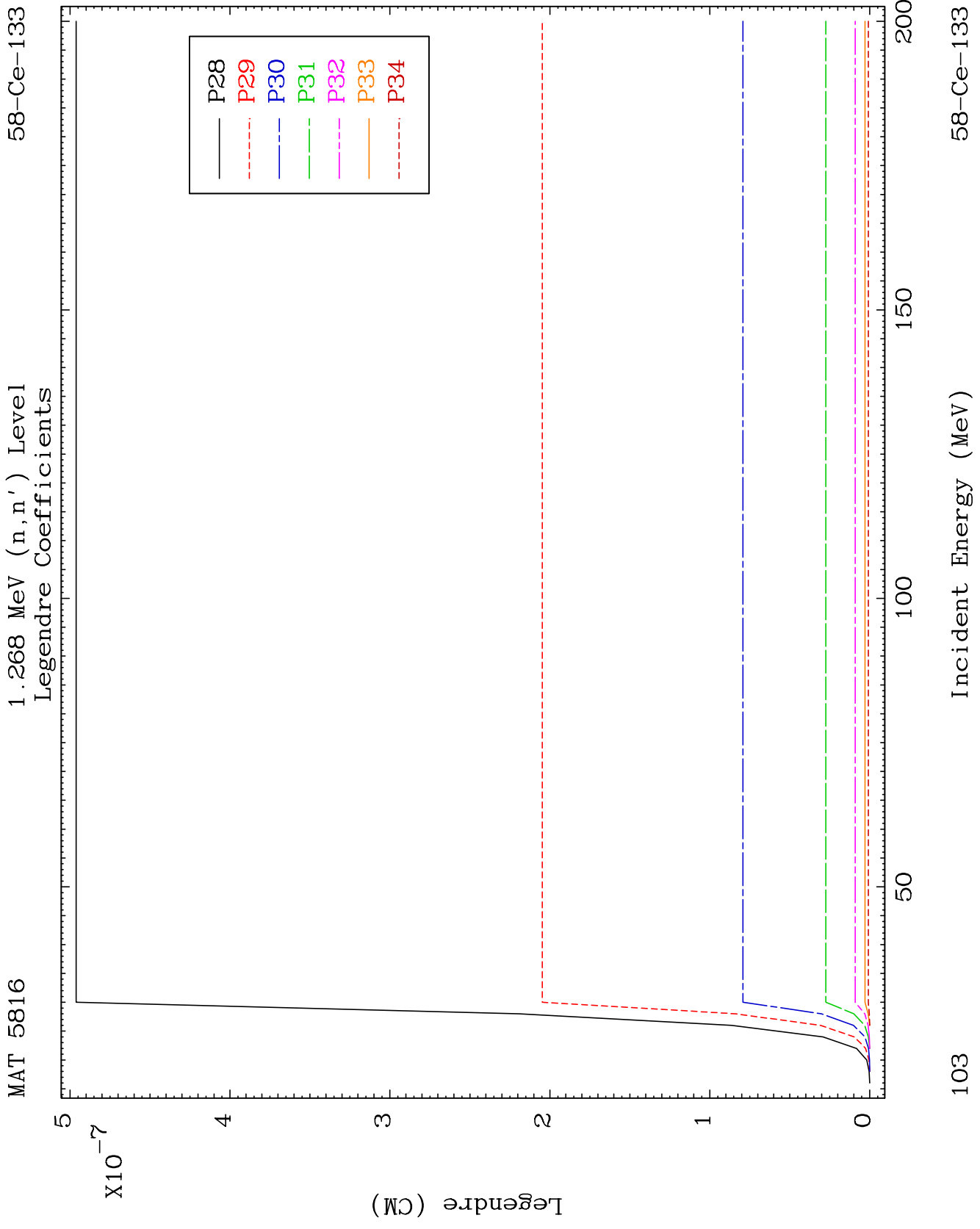


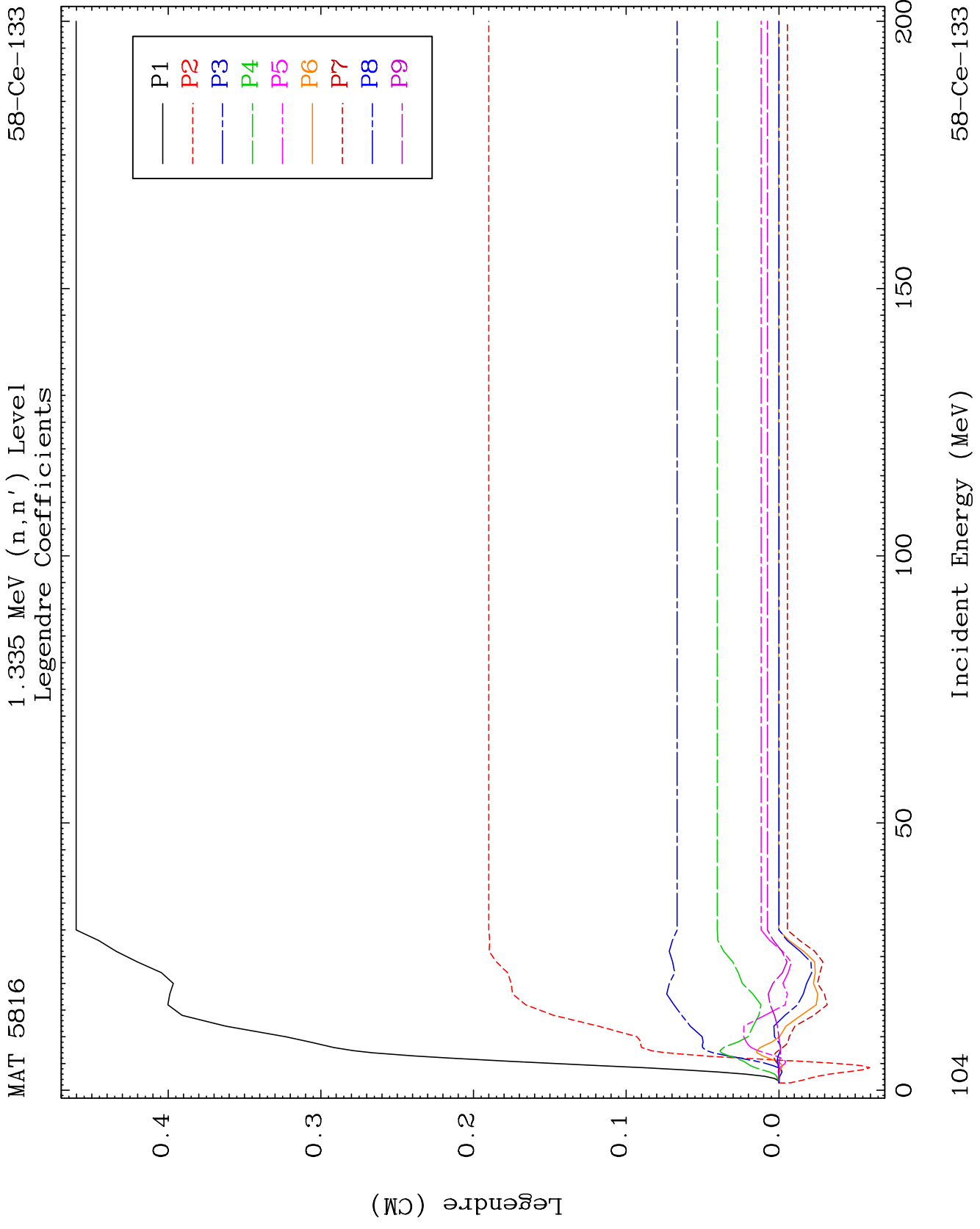
101

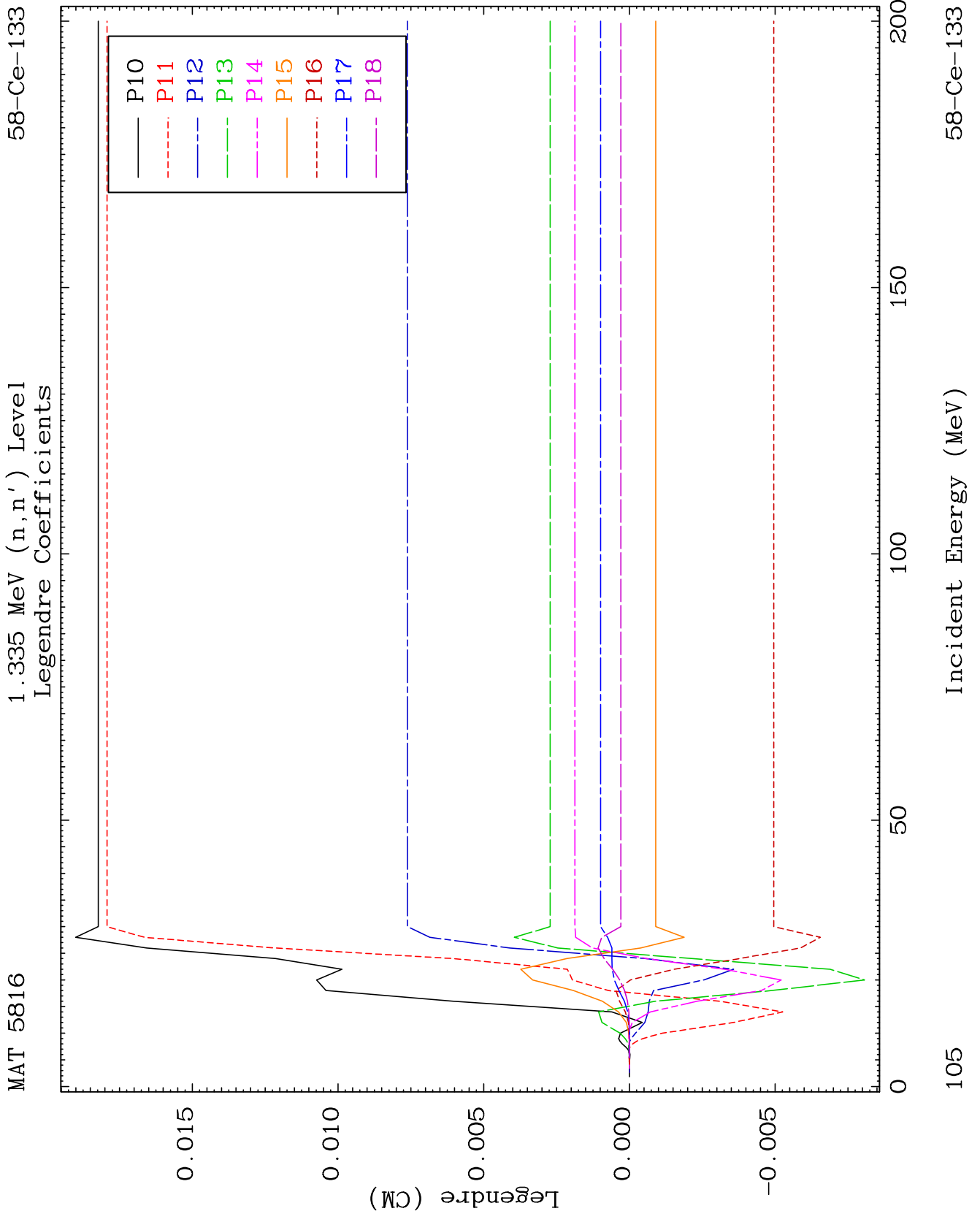
Incident Energy (MeV)

58-Ce-133





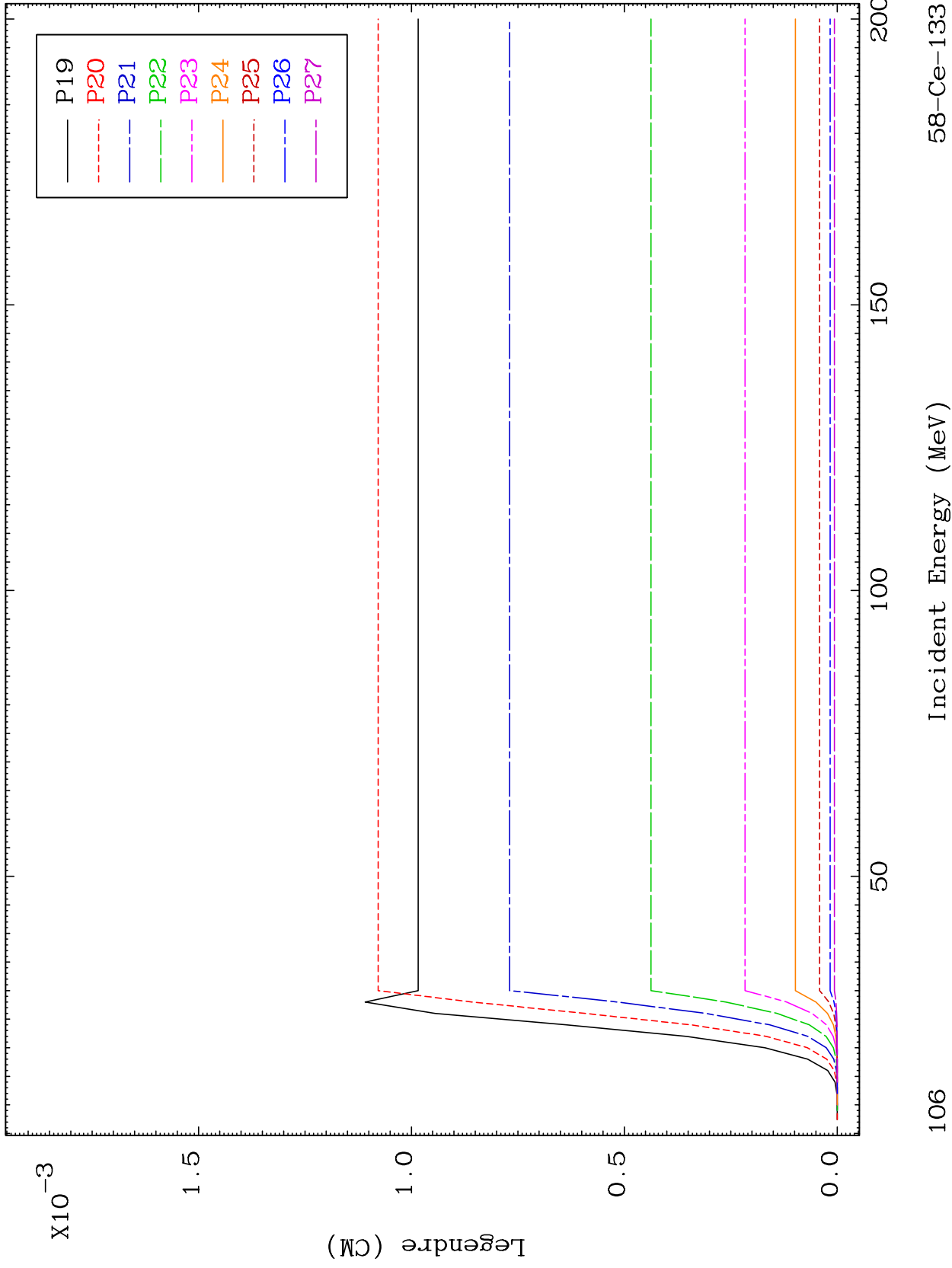




MAT 5816

1.335 MeV (n,n') Level
Legendre Coefficients

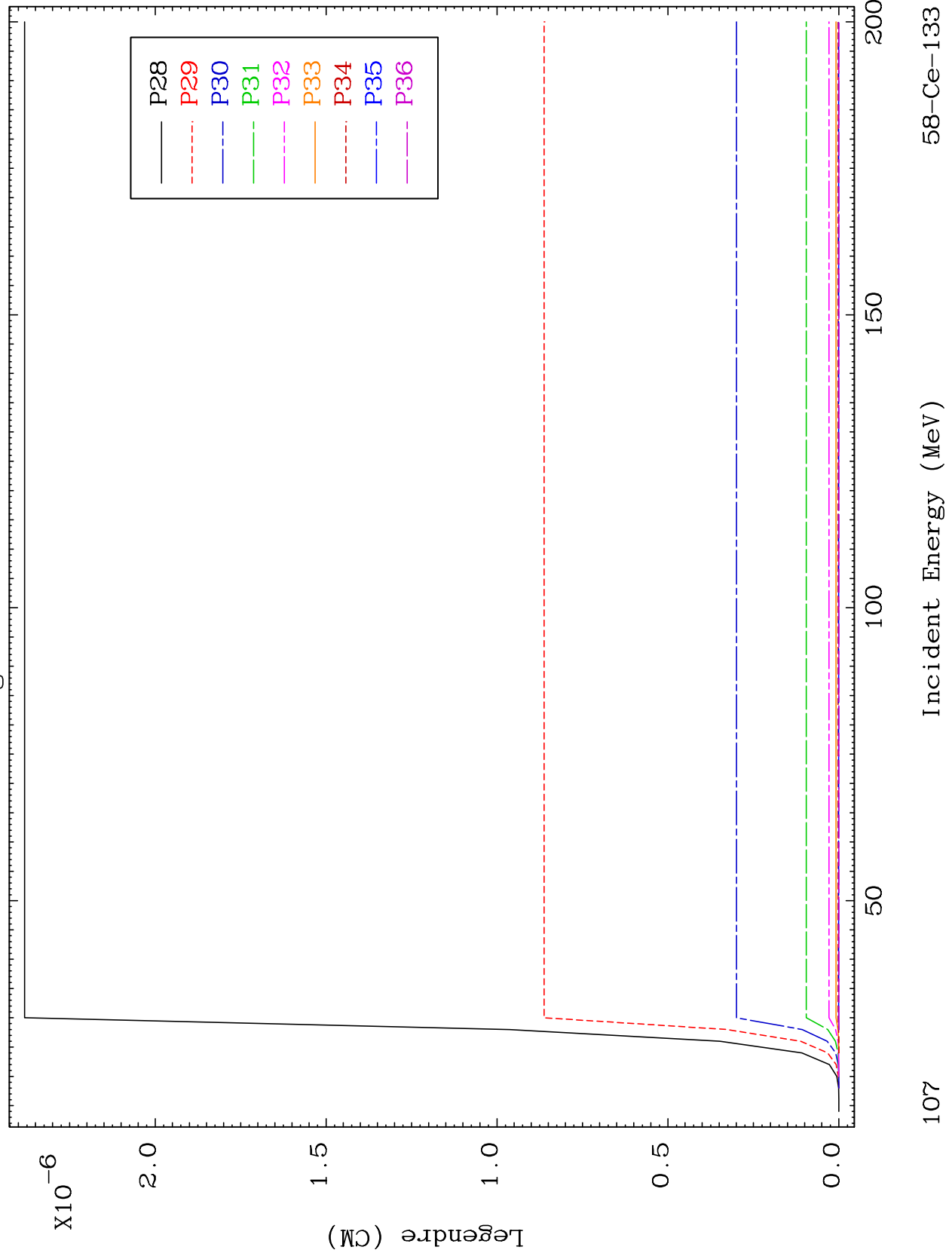
58-Ce-133



106

Incident Energy (MeV)

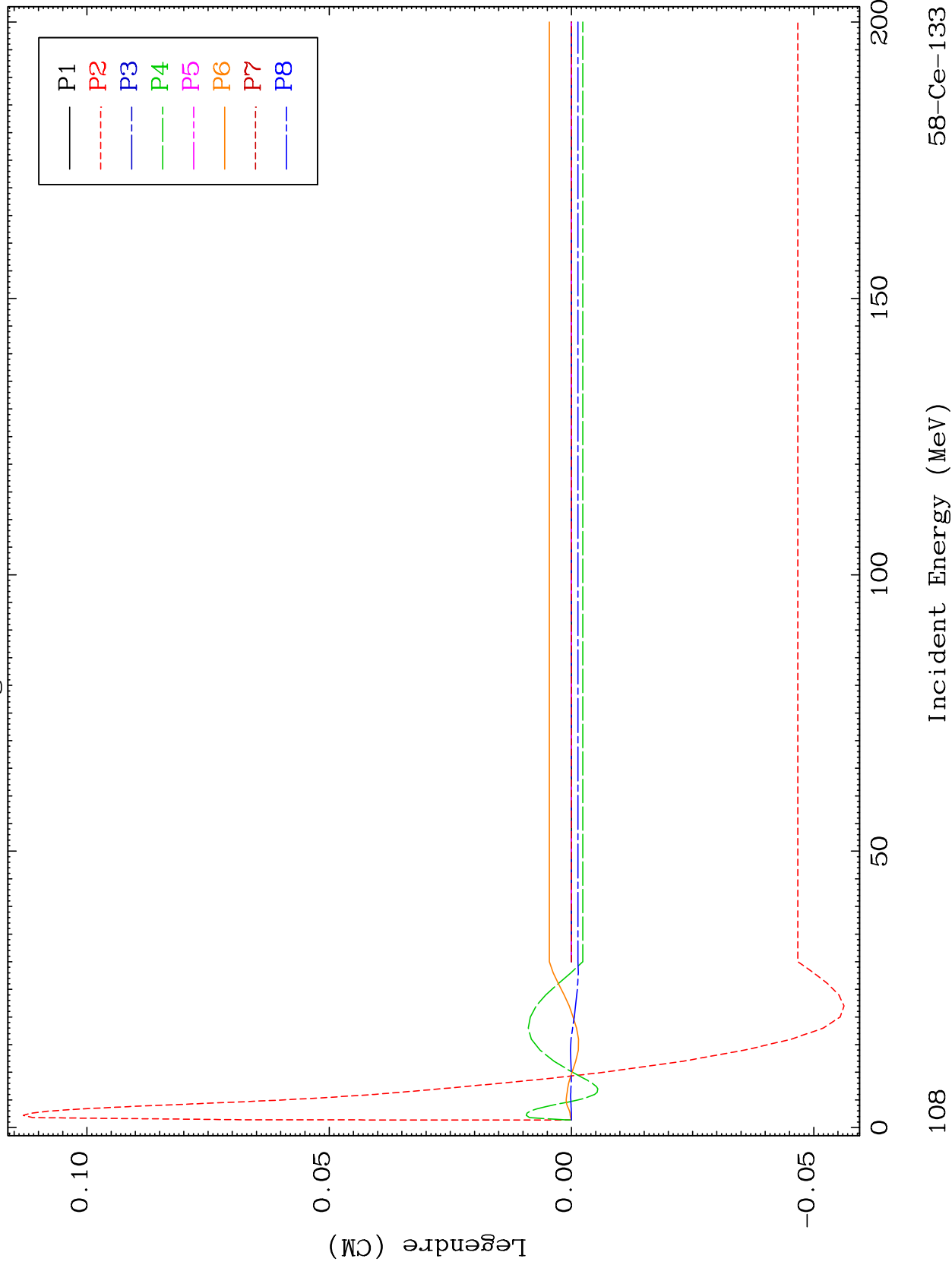
58-Ce-133

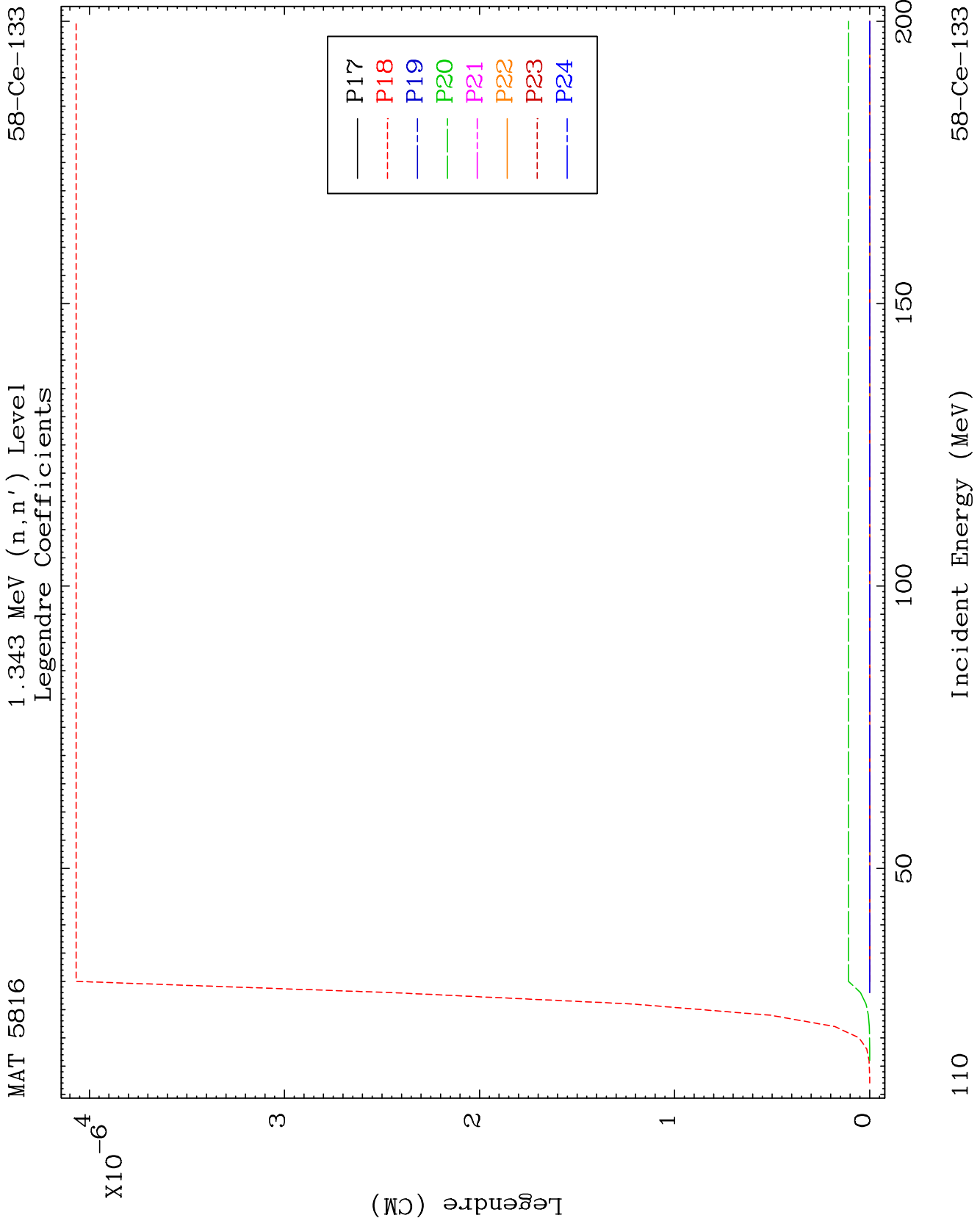


MAT 5816

1.343 MeV (n,n') Level
Legendre Coefficients

58-Ce-133

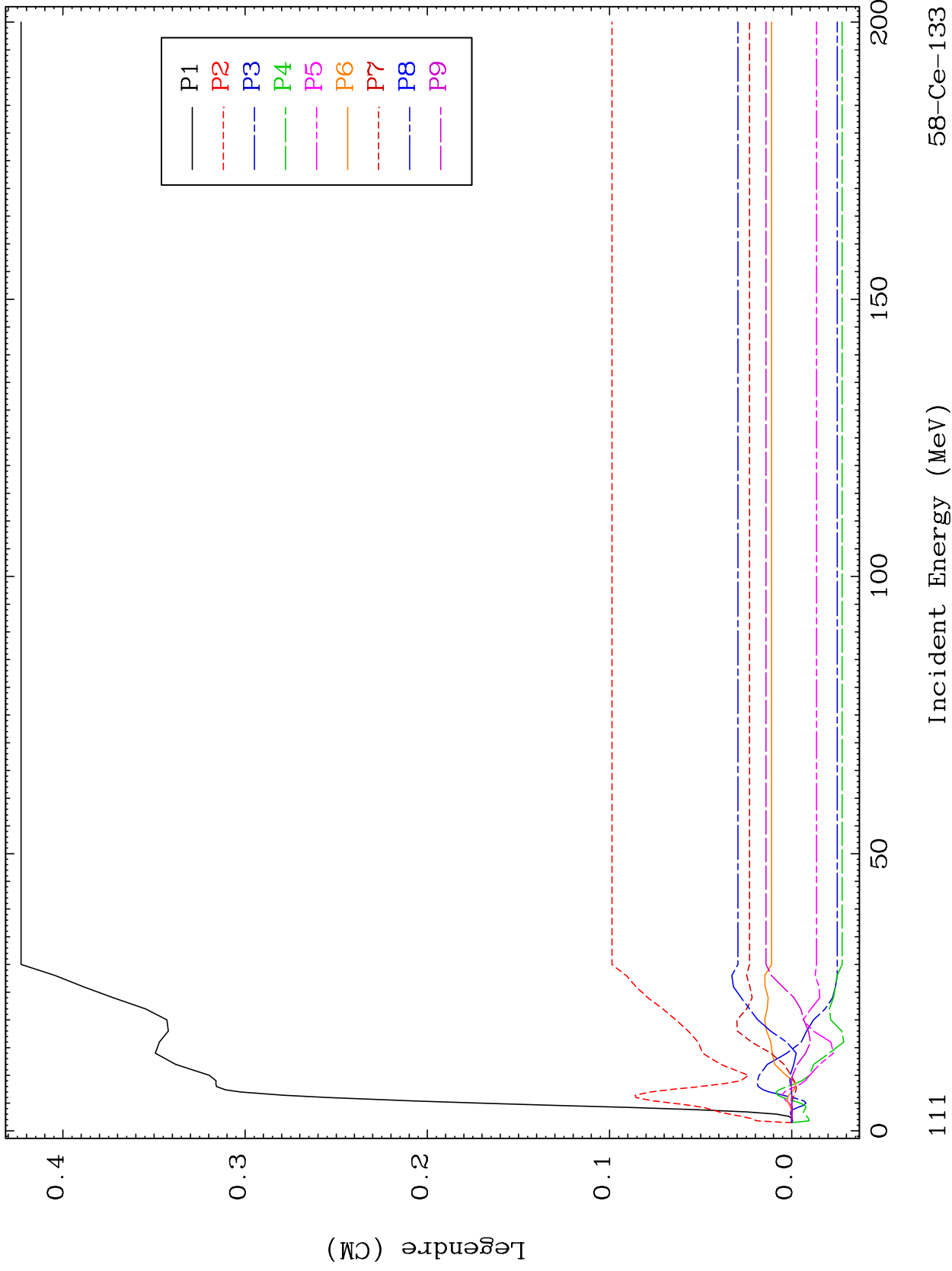




MAT 5816

1.445 MeV (n,n') Level
Legendre Coefficients

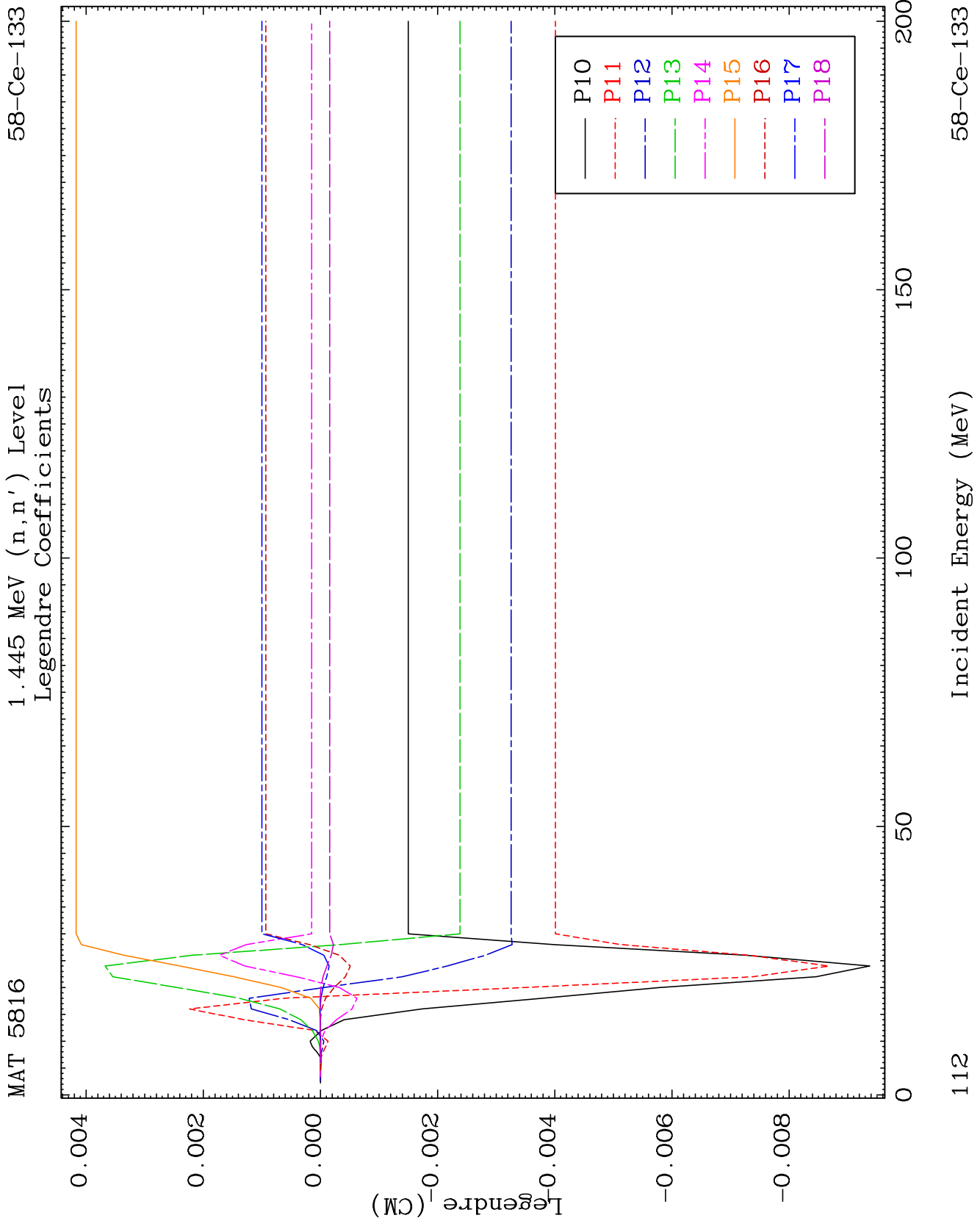
58-Ce-133

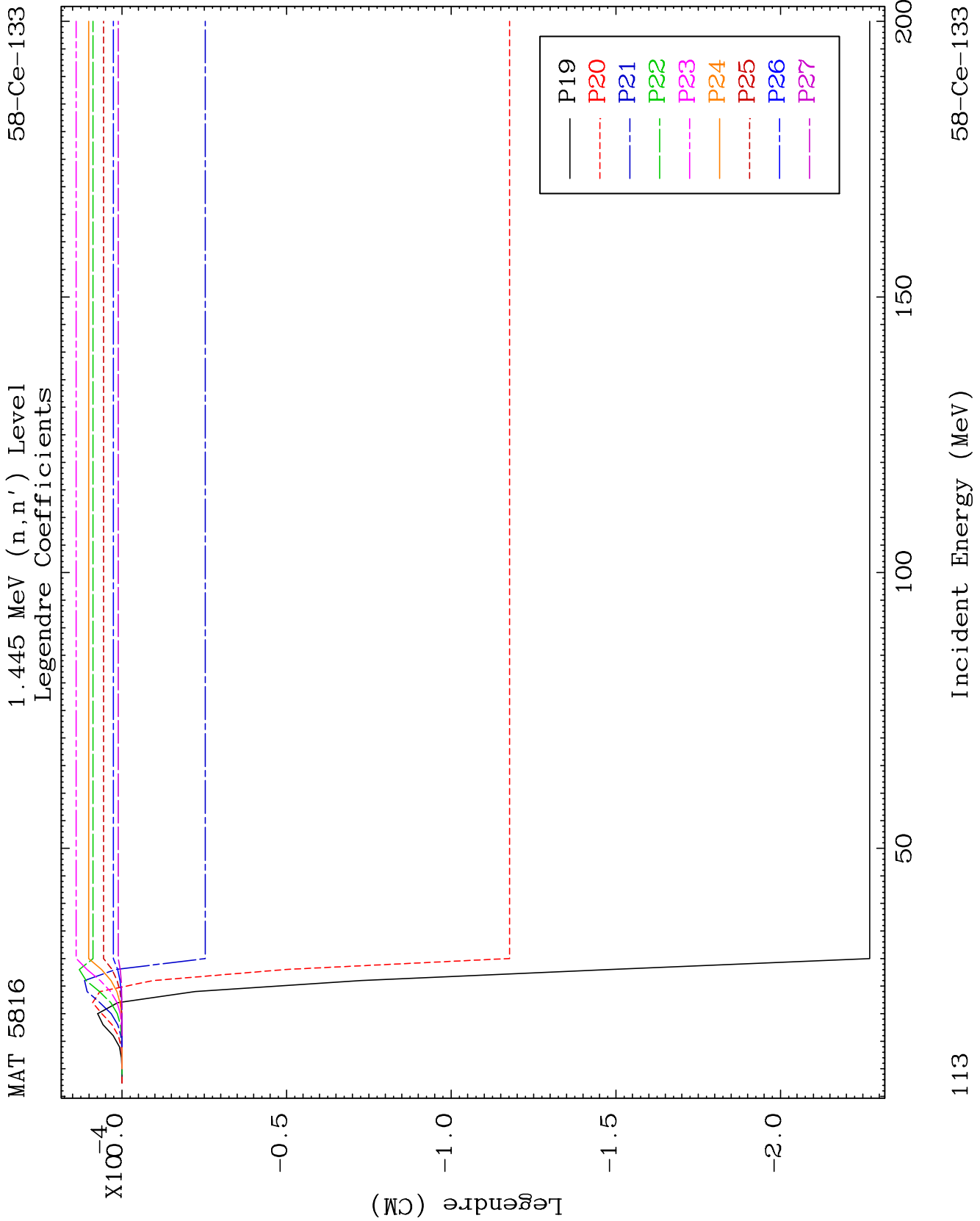


111

Incident Energy (MeV)

58-Ce-133

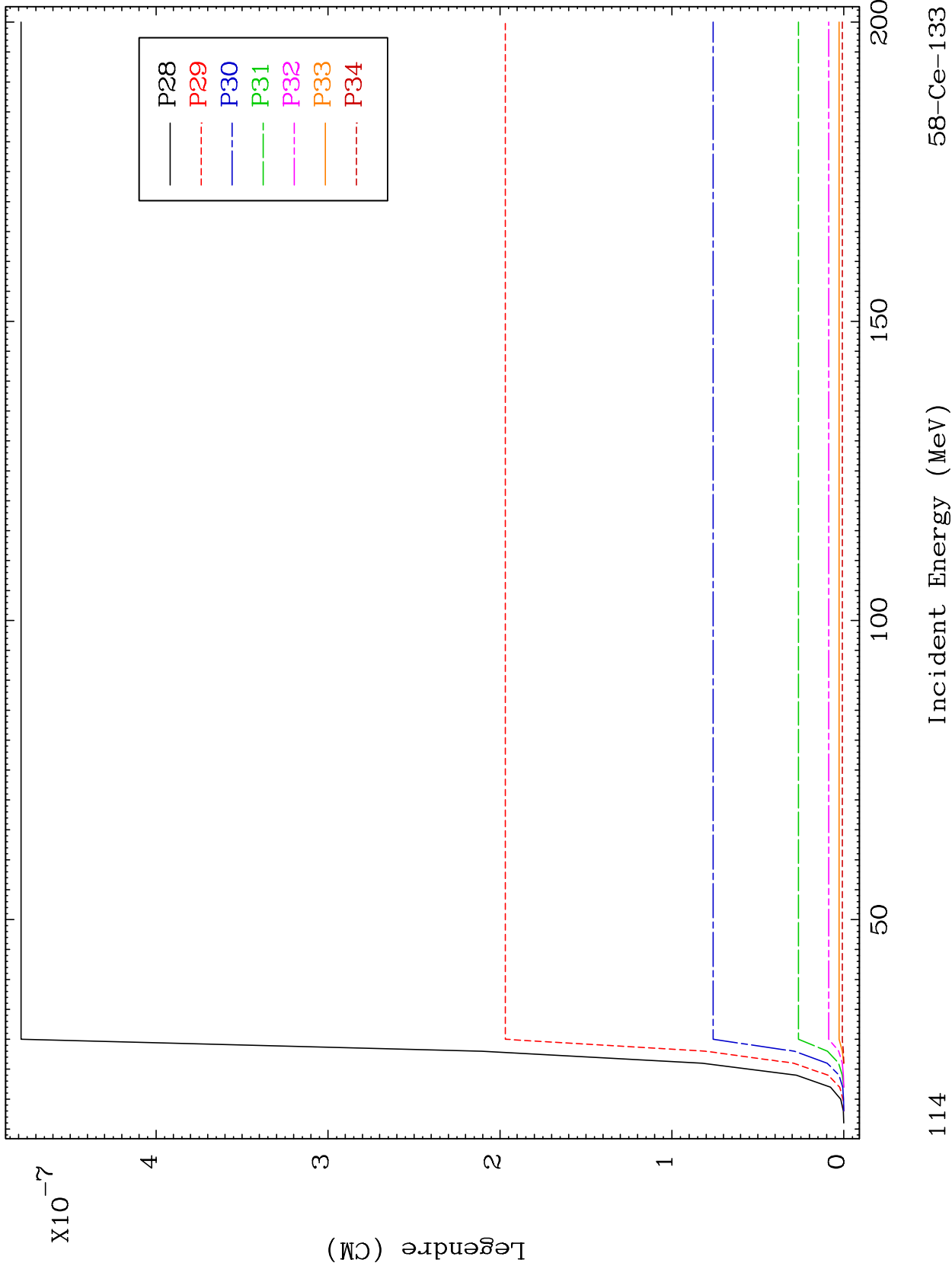




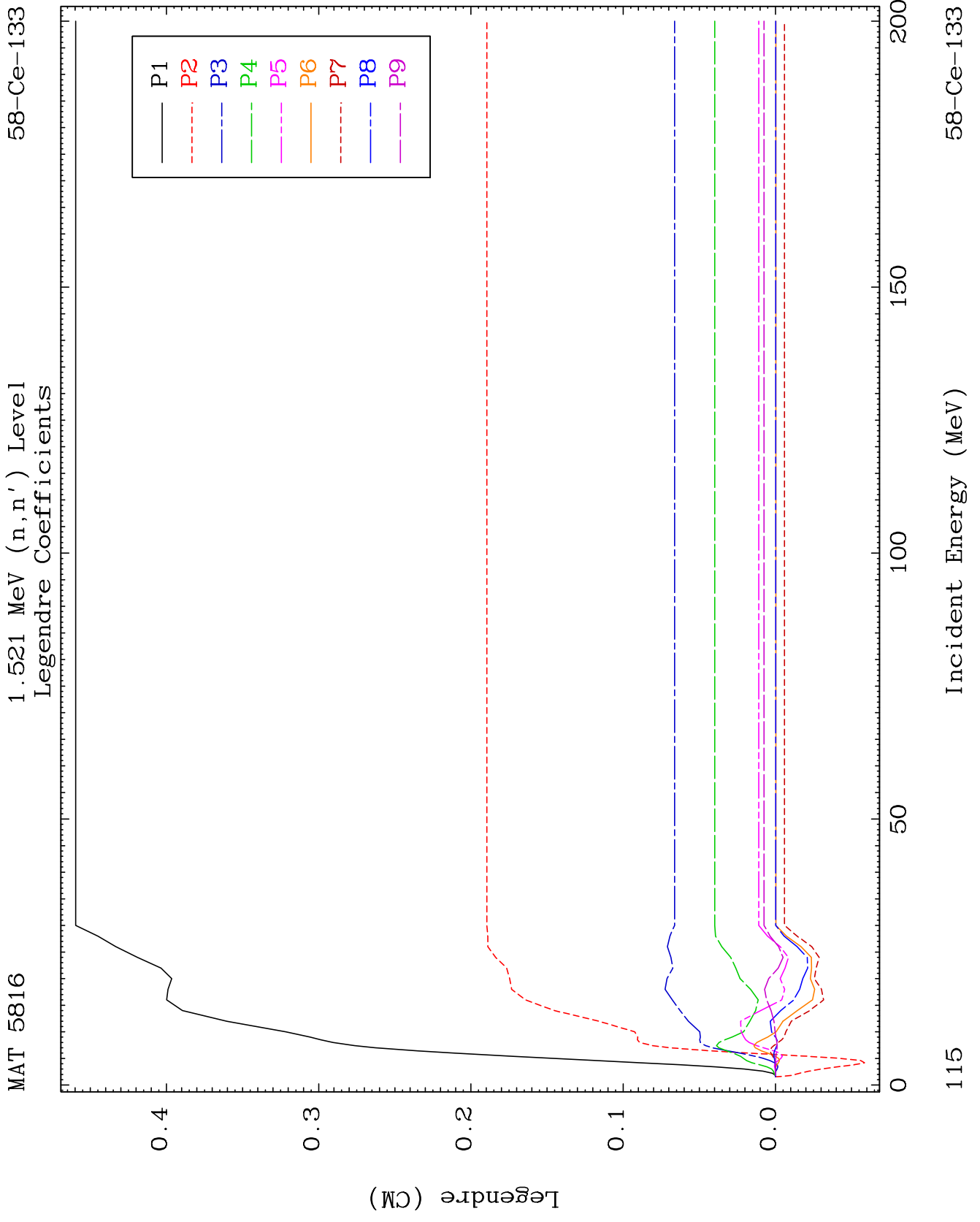
MAT 5816

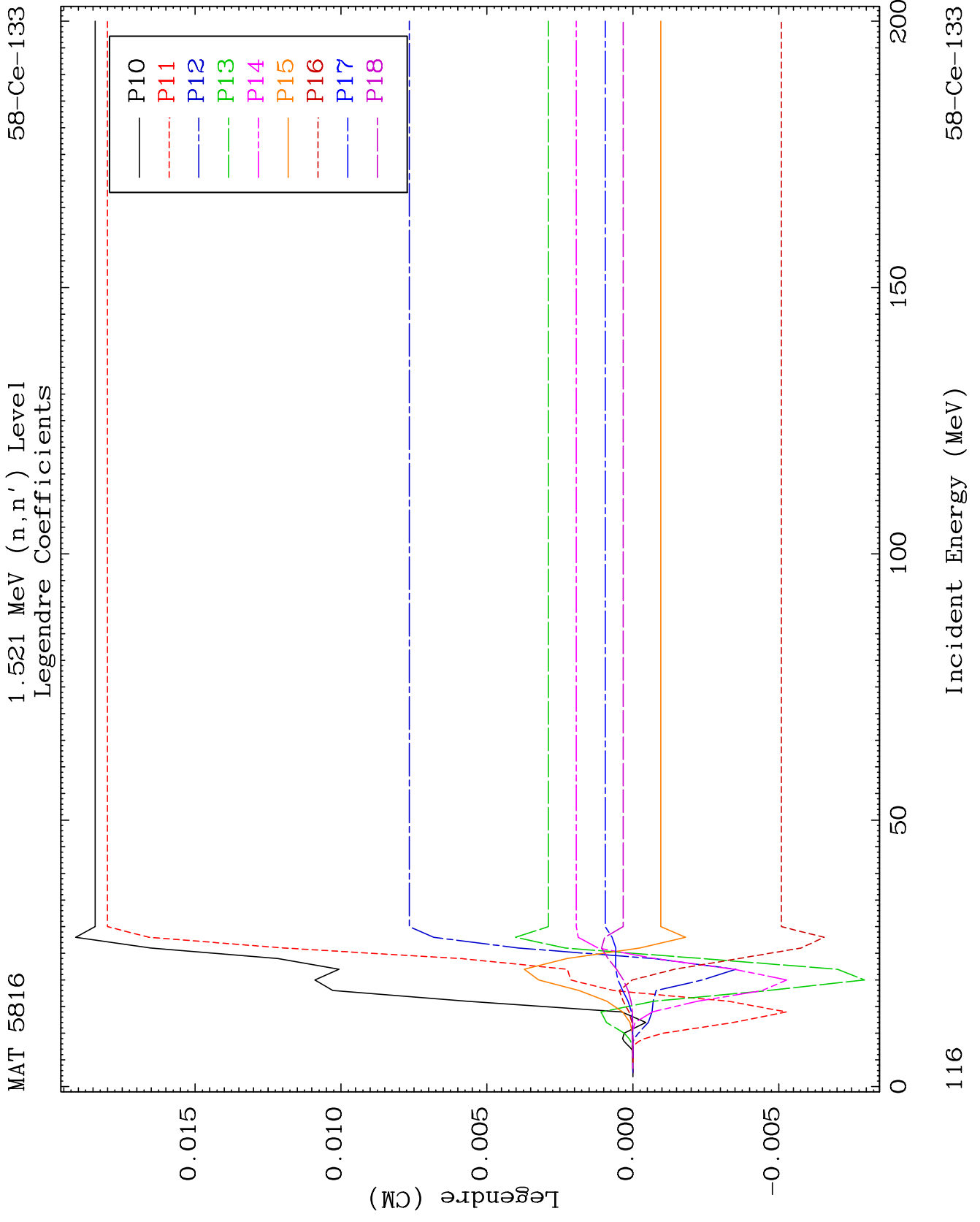
1.445 MeV (n,n') Level
Legendre Coefficients

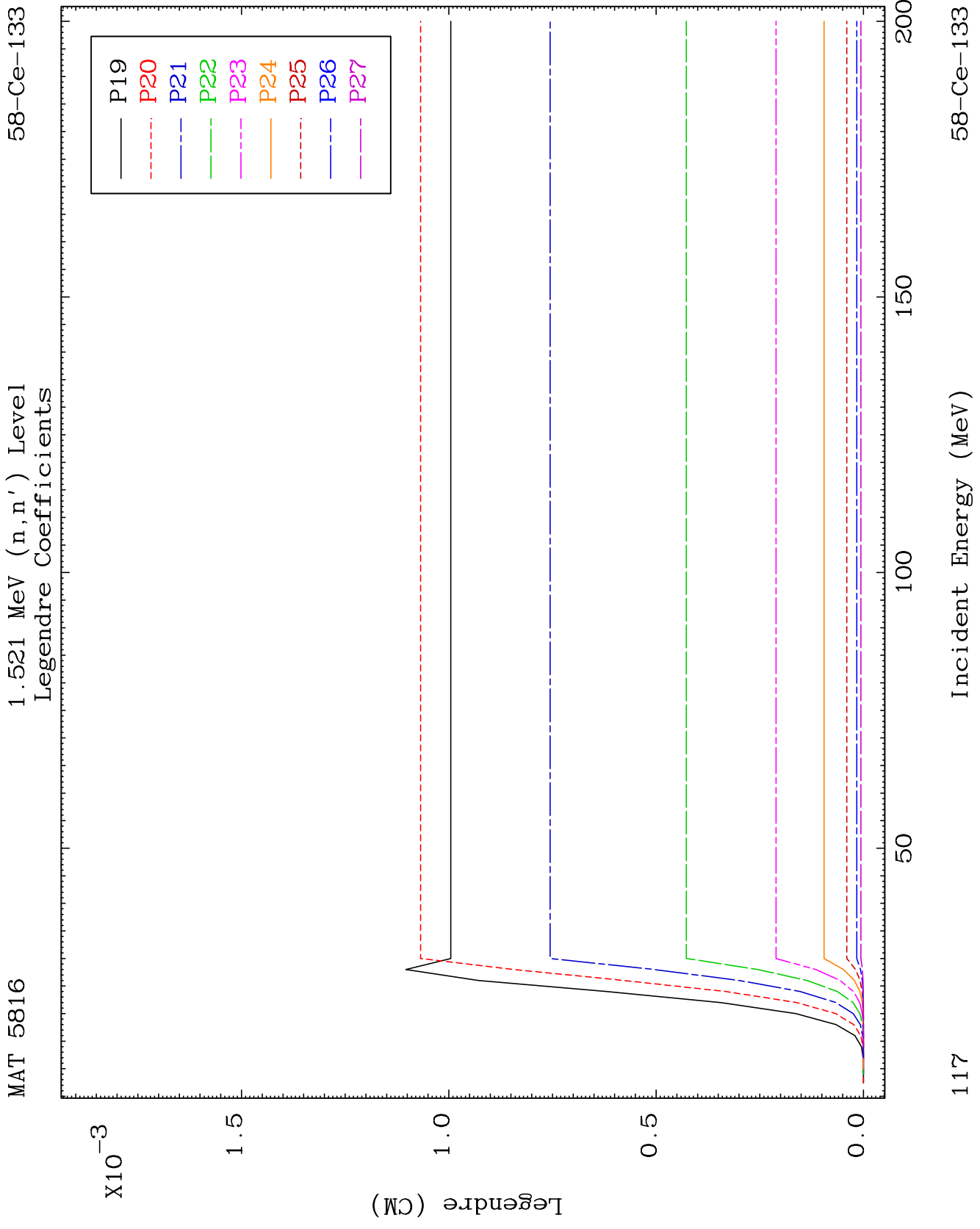
58-Ce-133

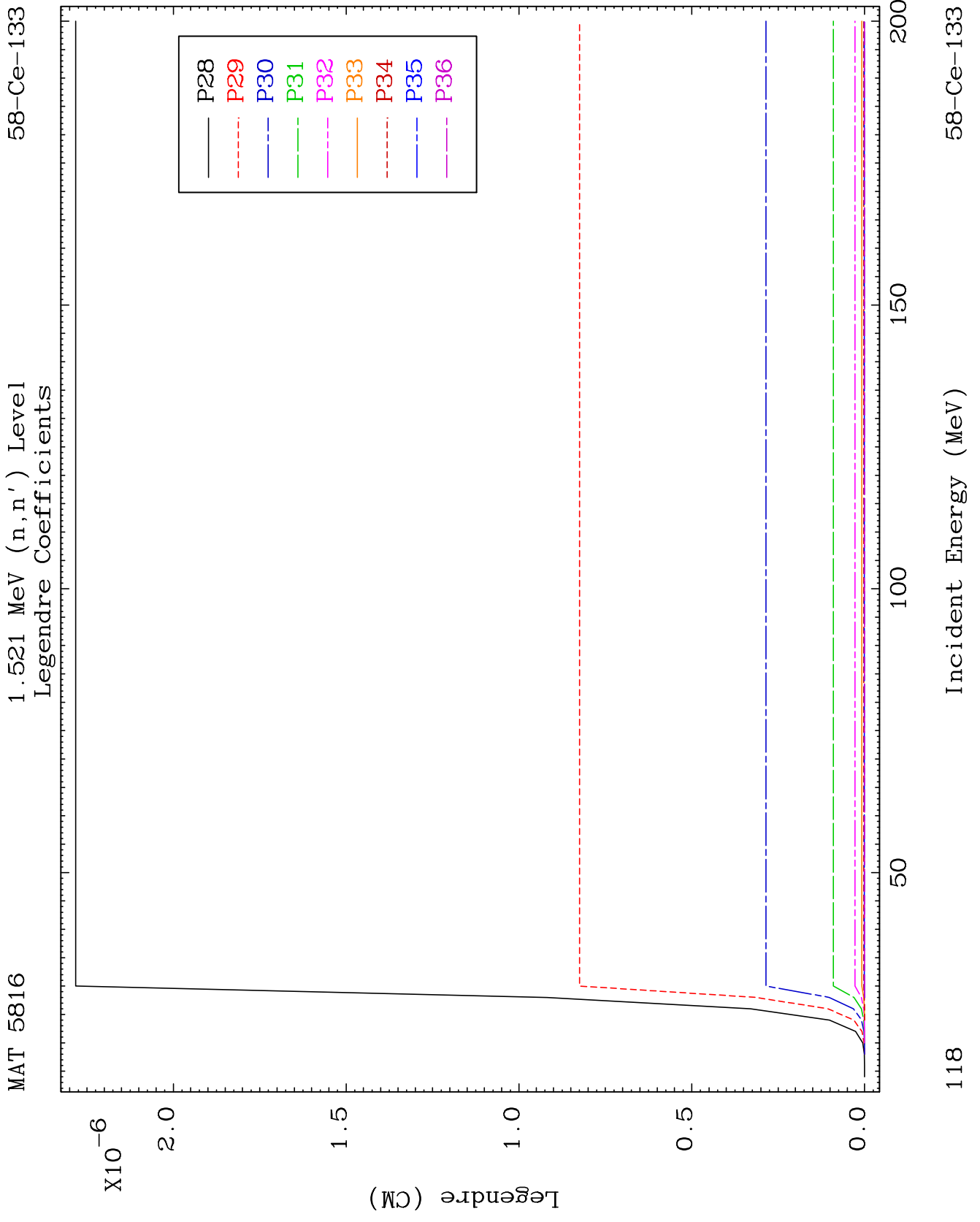


114





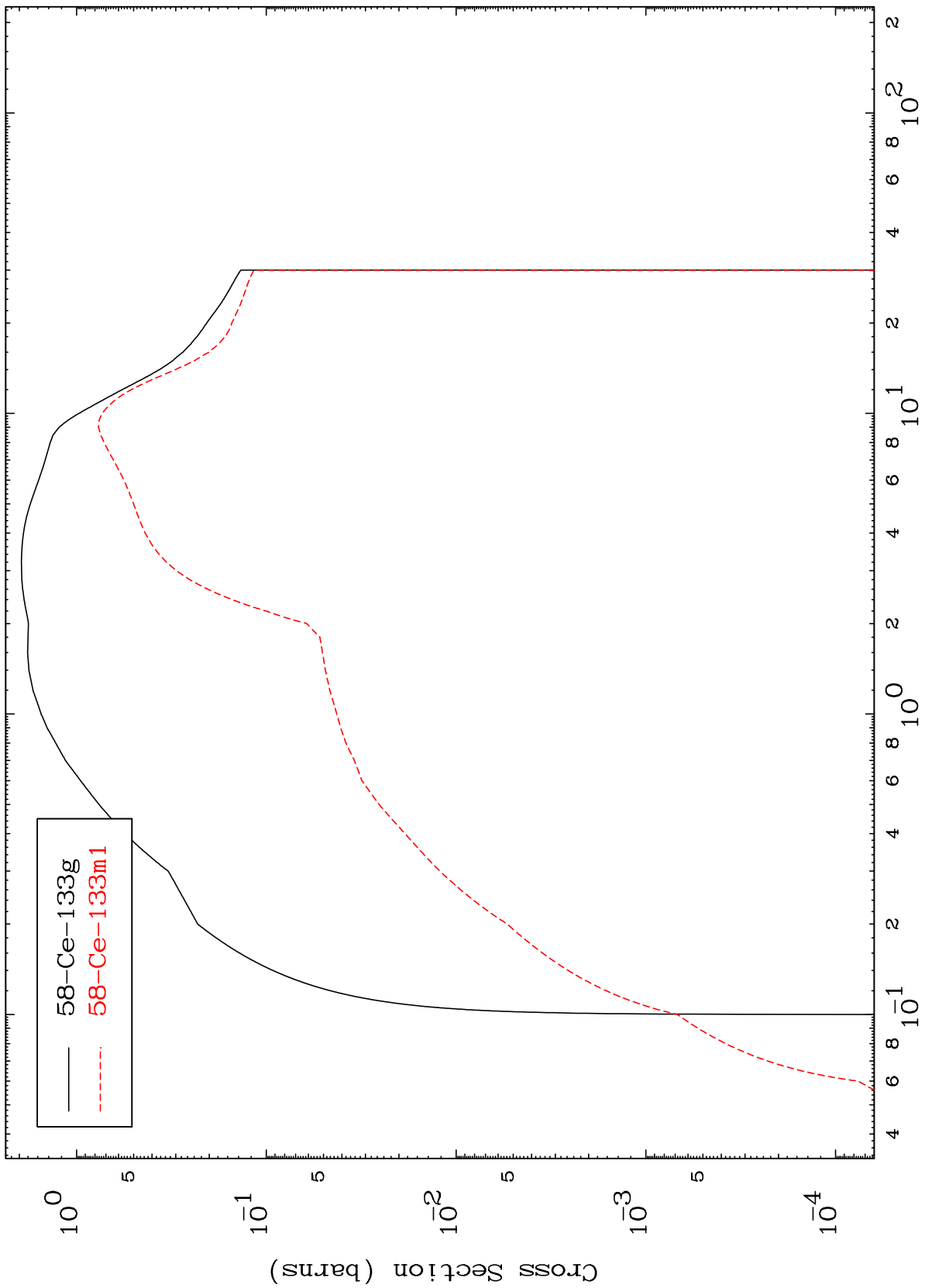




MAT 5816

58-Ce-133

Radionuclide Production Cross Section



58-Ce-133g
58-Ce-133m1

119

58-Ce-133

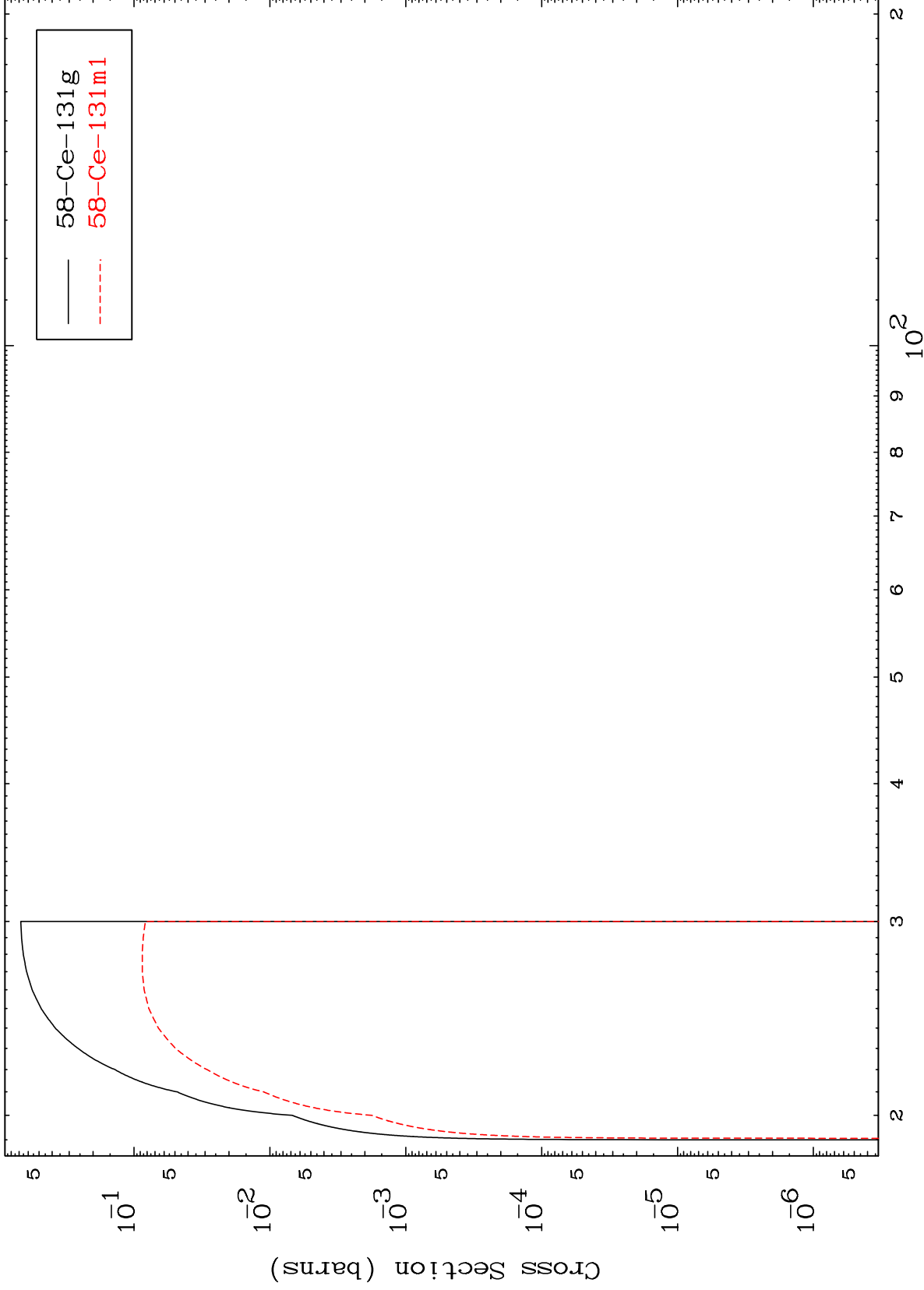
Incident Energy (MeV)

MAT 5816

(n,3n)

58-Ce-133

Radionuclide Production Cross Section



120

Incident Energy (MeV)

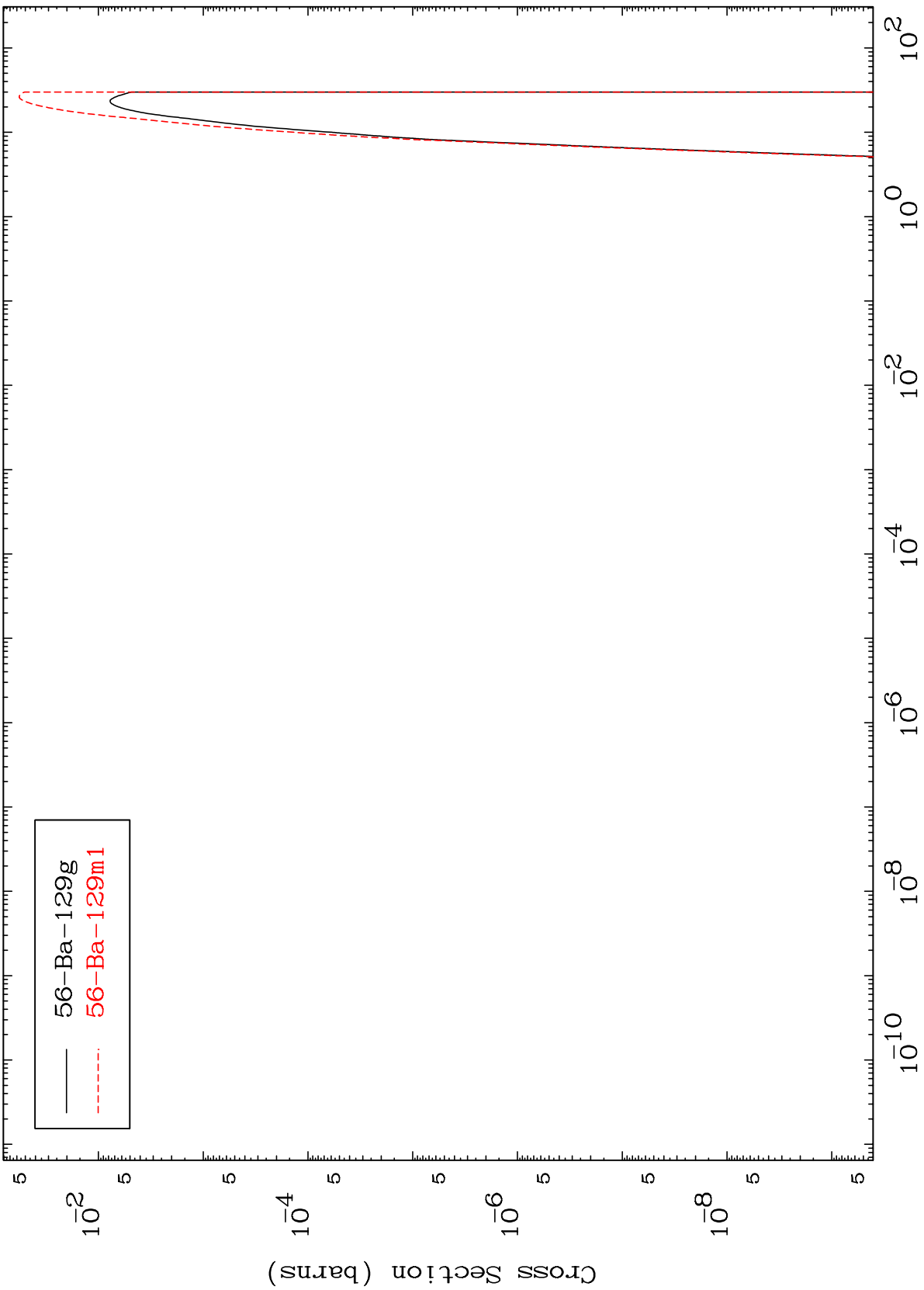
58-Ce-133

MAT 5816

(n,n') α

58-Ce-133

Radionuclide Production Cross Section



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

121

Incident Energy (MeV)

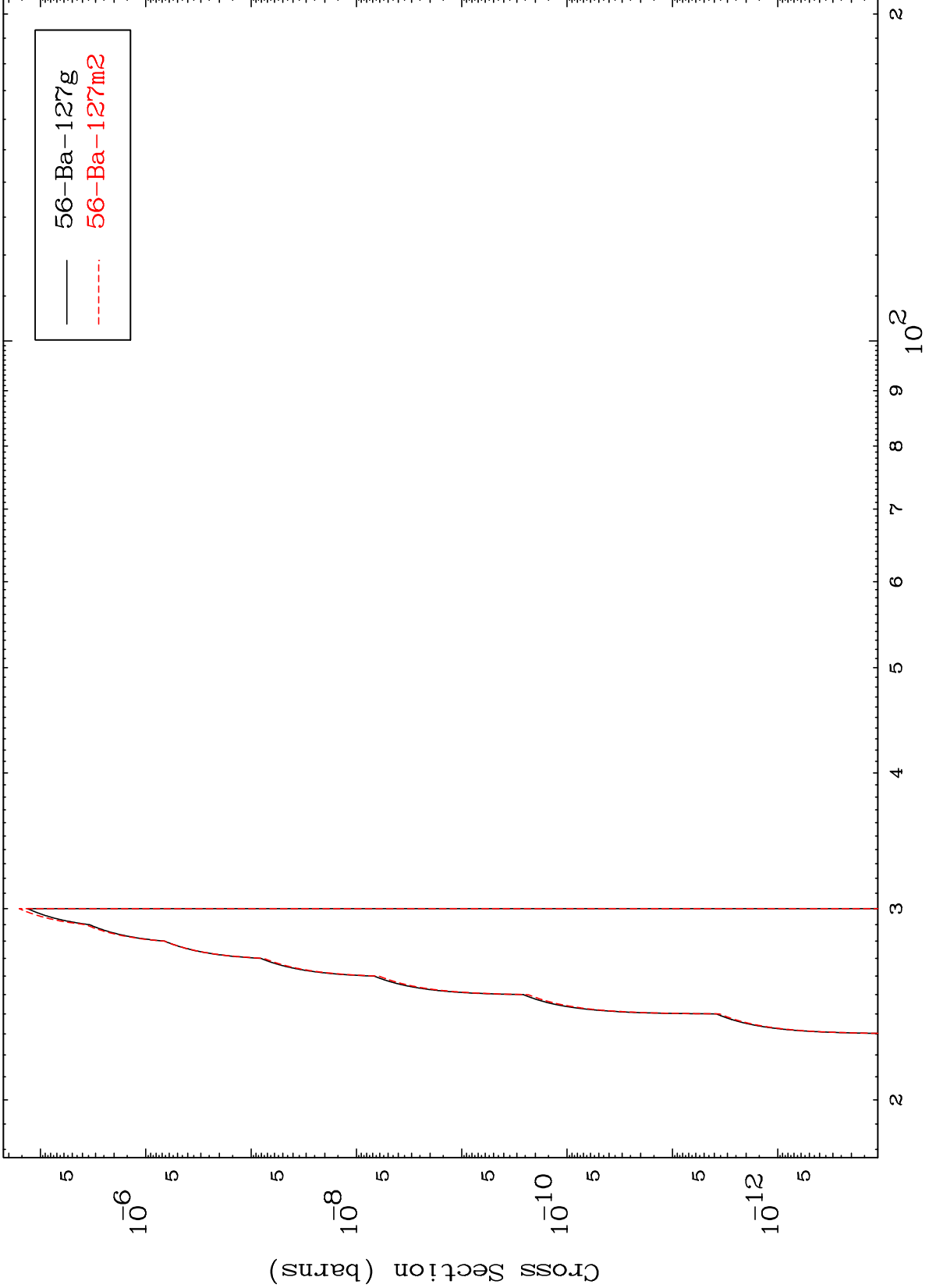
58-Ce-133

MAT 5816

(n,3n) α

58-Ce-133

Radionuclide Production Cross Section



122

Incident Energy (MeV)

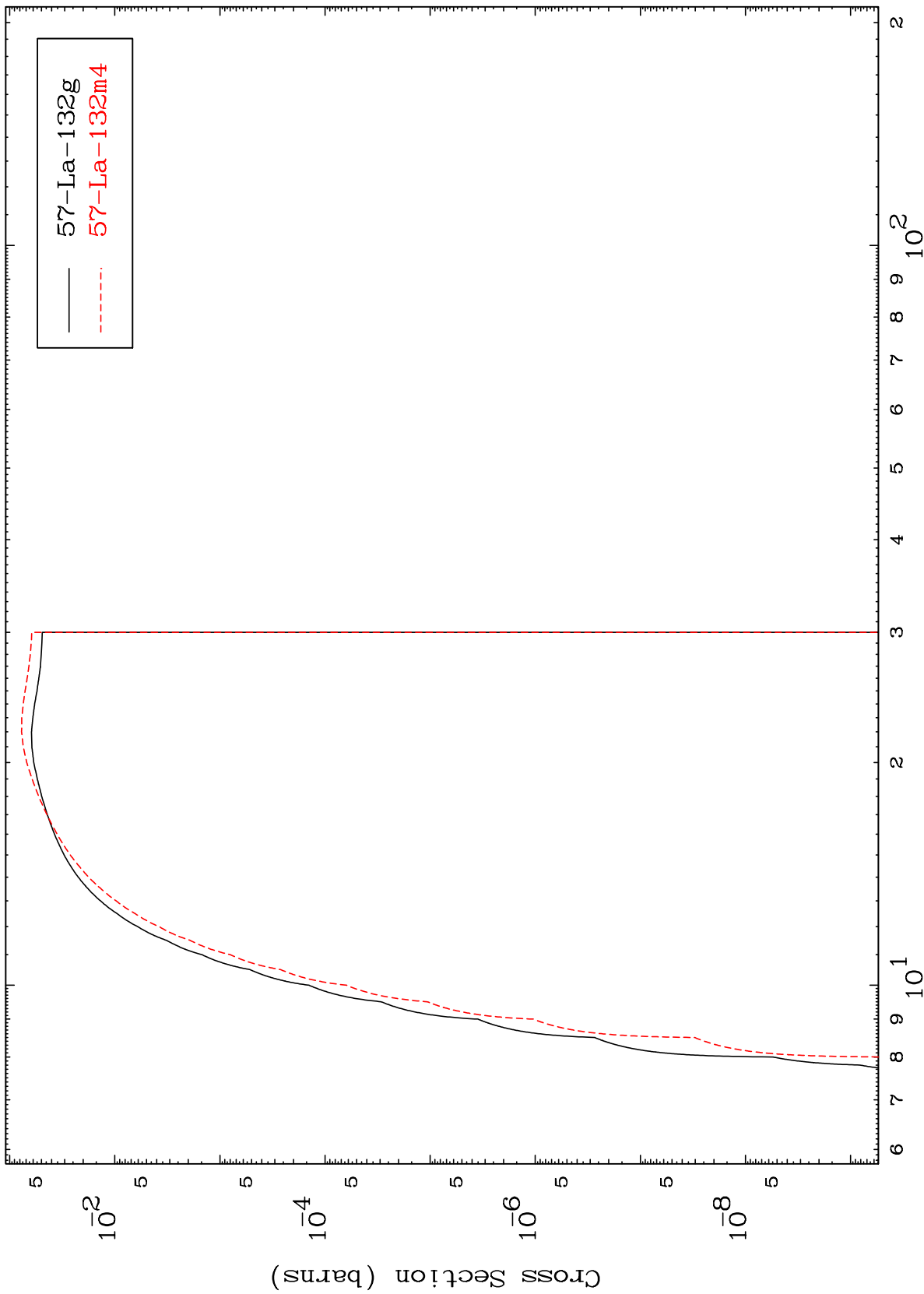
58-Ce-133

MAT 5816

(n,n') p

58-Ce-133

Radionuclide Production Cross Section



123

Incident Energy (MeV)

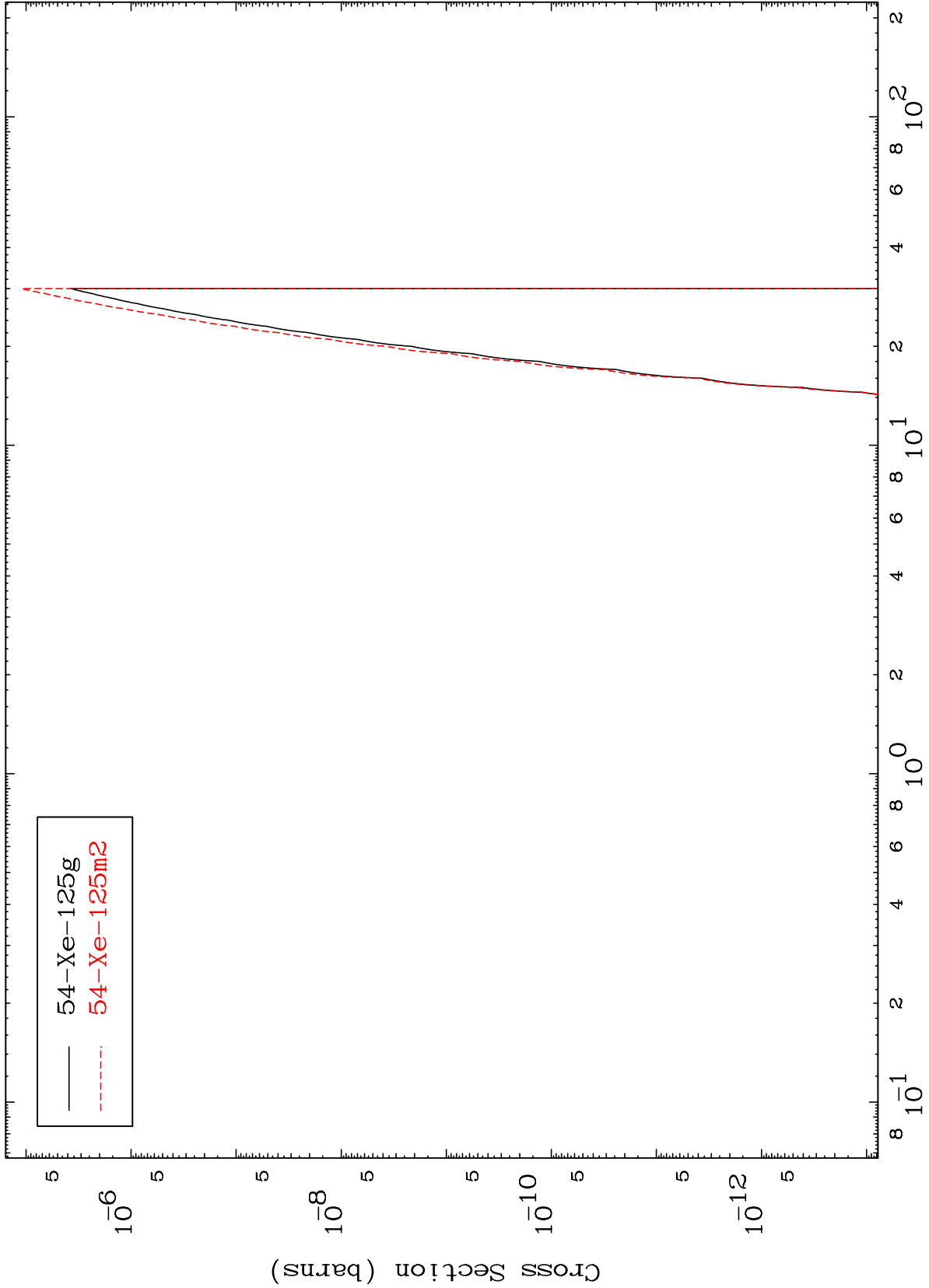
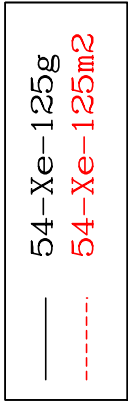
58-Ce-133

MAT 5816

(n,n') 2α

58-Ce-133

Radionuclide Production Cross Section



124

Incident Energy (MeV)

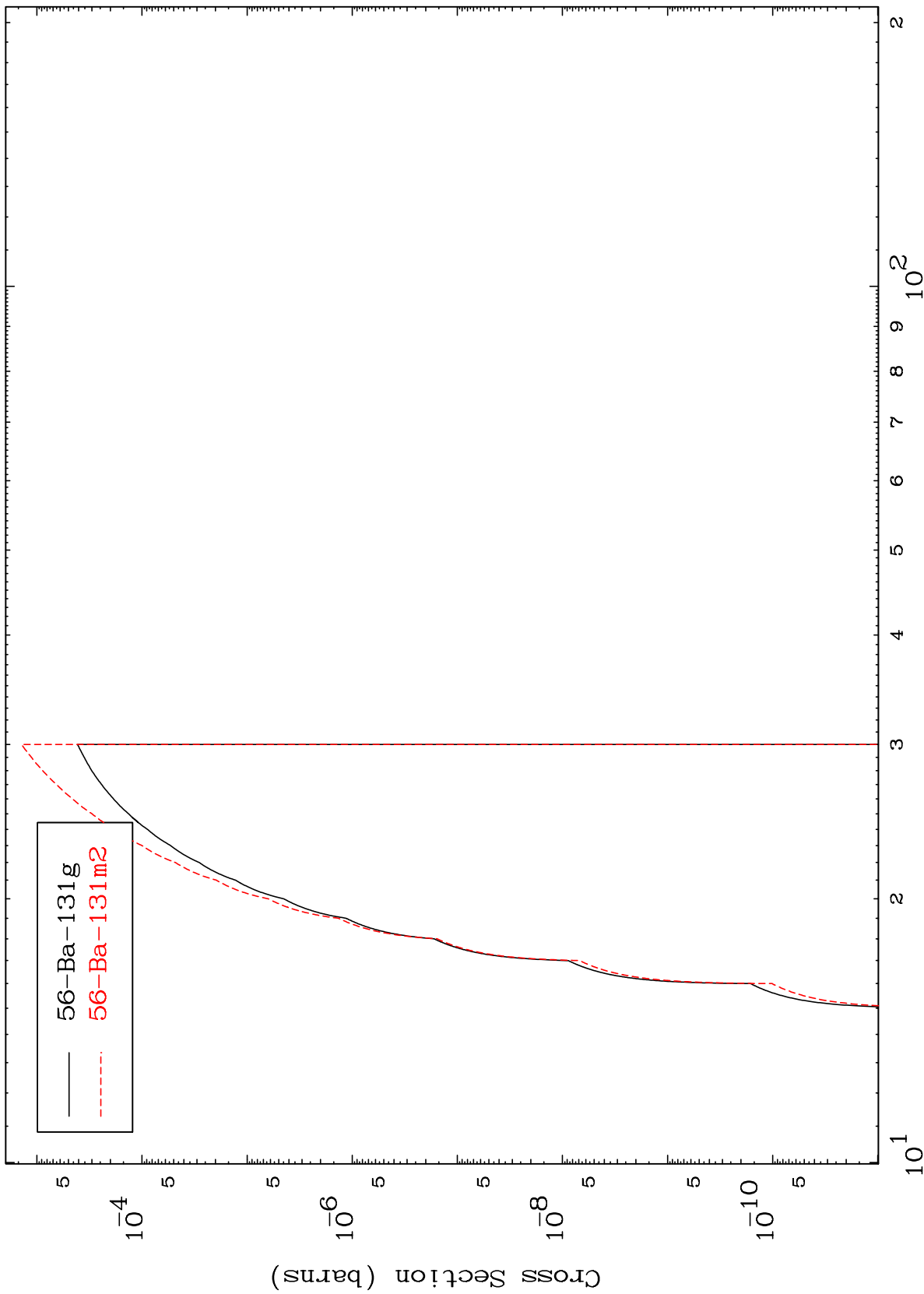
58-Ce-133

MAT 5816

(n,2n) p

58-Ce-133

Radionuclide Production Cross Section



125

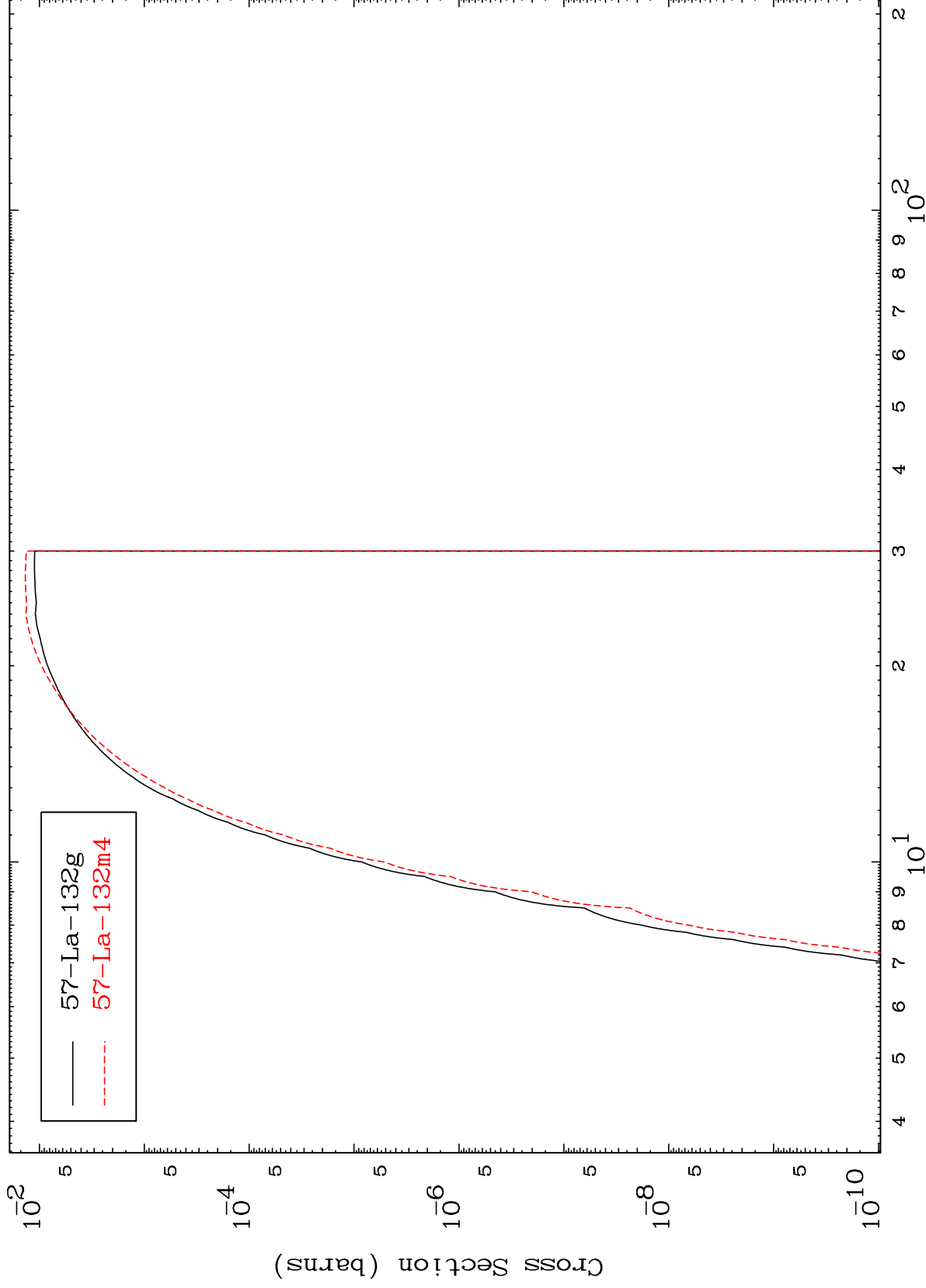
Incident Energy (MeV)

58-Ce-133

MAT 5816

58-Ce-133

(n,d)
Radionuclide Production Cross Section



126

Incident Energy (MeV)

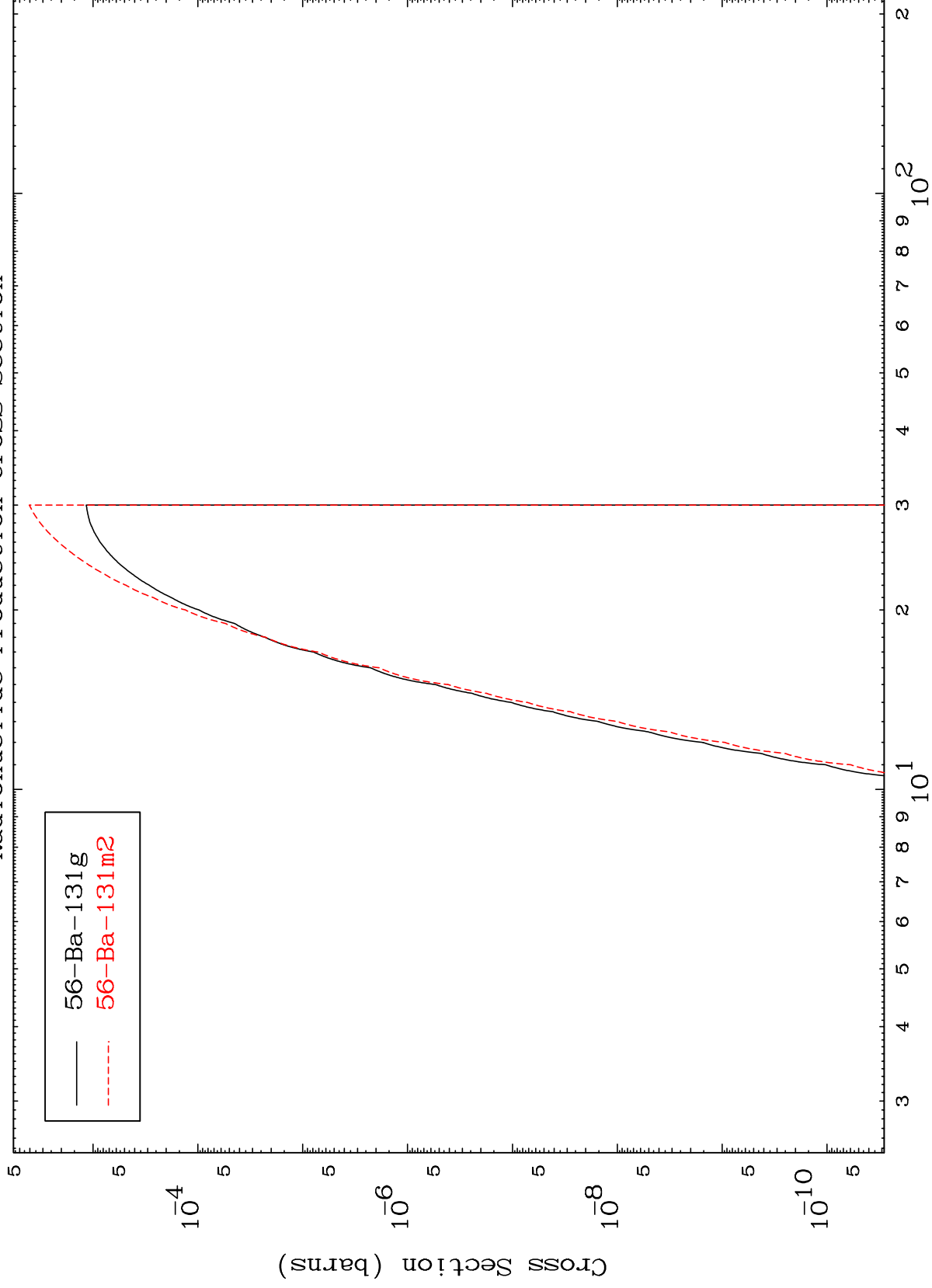
58-Ce-133

MAT 5816

(n,He-3)

58-Ce-133

Radionuclide Production Cross Section



127

Incident Energy (MeV)

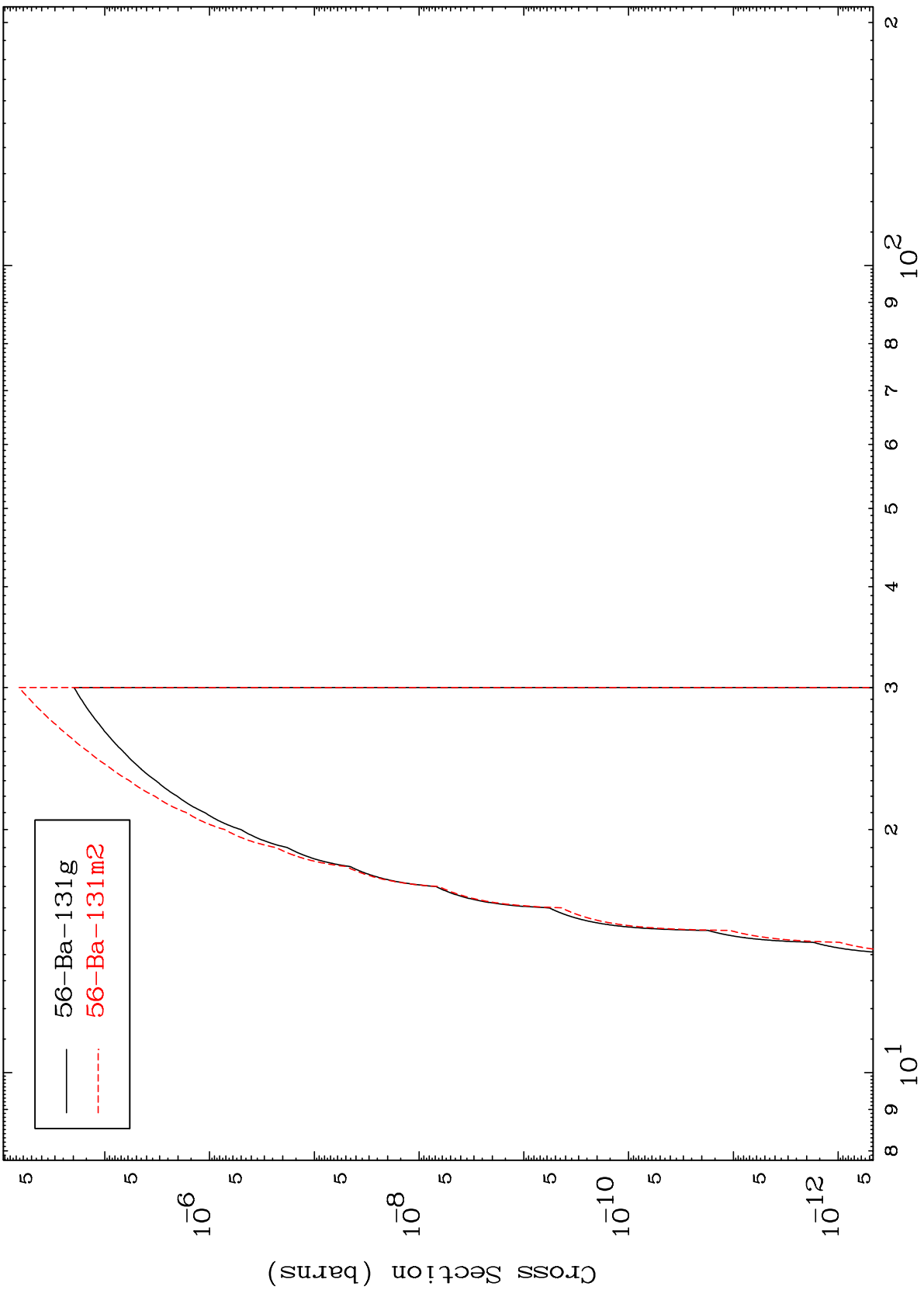
58-Ce-133

MAT 5816

(n,p) d

58-Ce-133

Radionuclide Production Cross Section



128

Incident Energy (MeV)

58-Ce-133