

Program EVALPLOT
(Version 2015-2)

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:home.comcast.net/~redcullen1

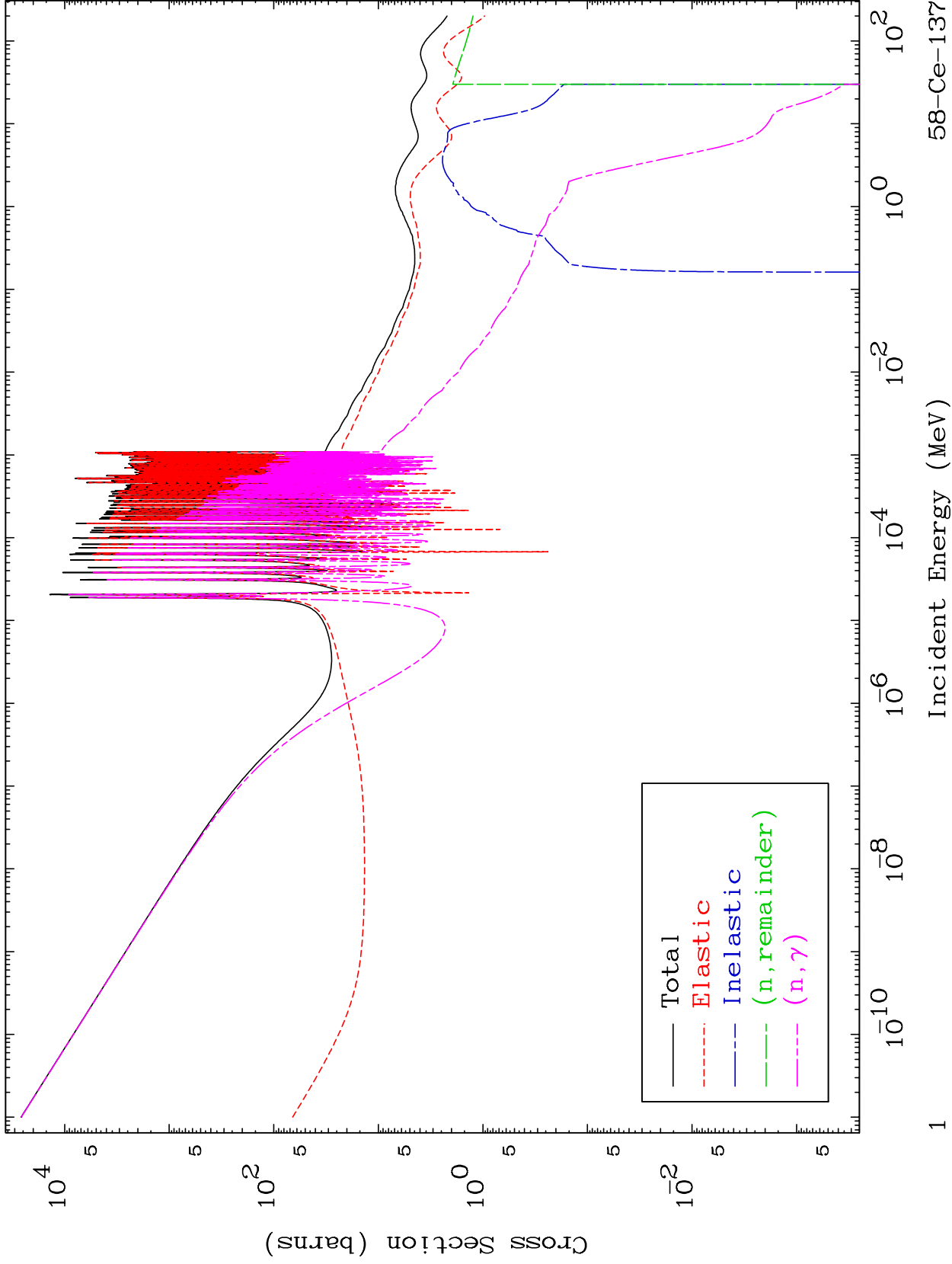
Press Mouse Button to Start

MAT 5828

Major

293 Kelvin Cross Sections

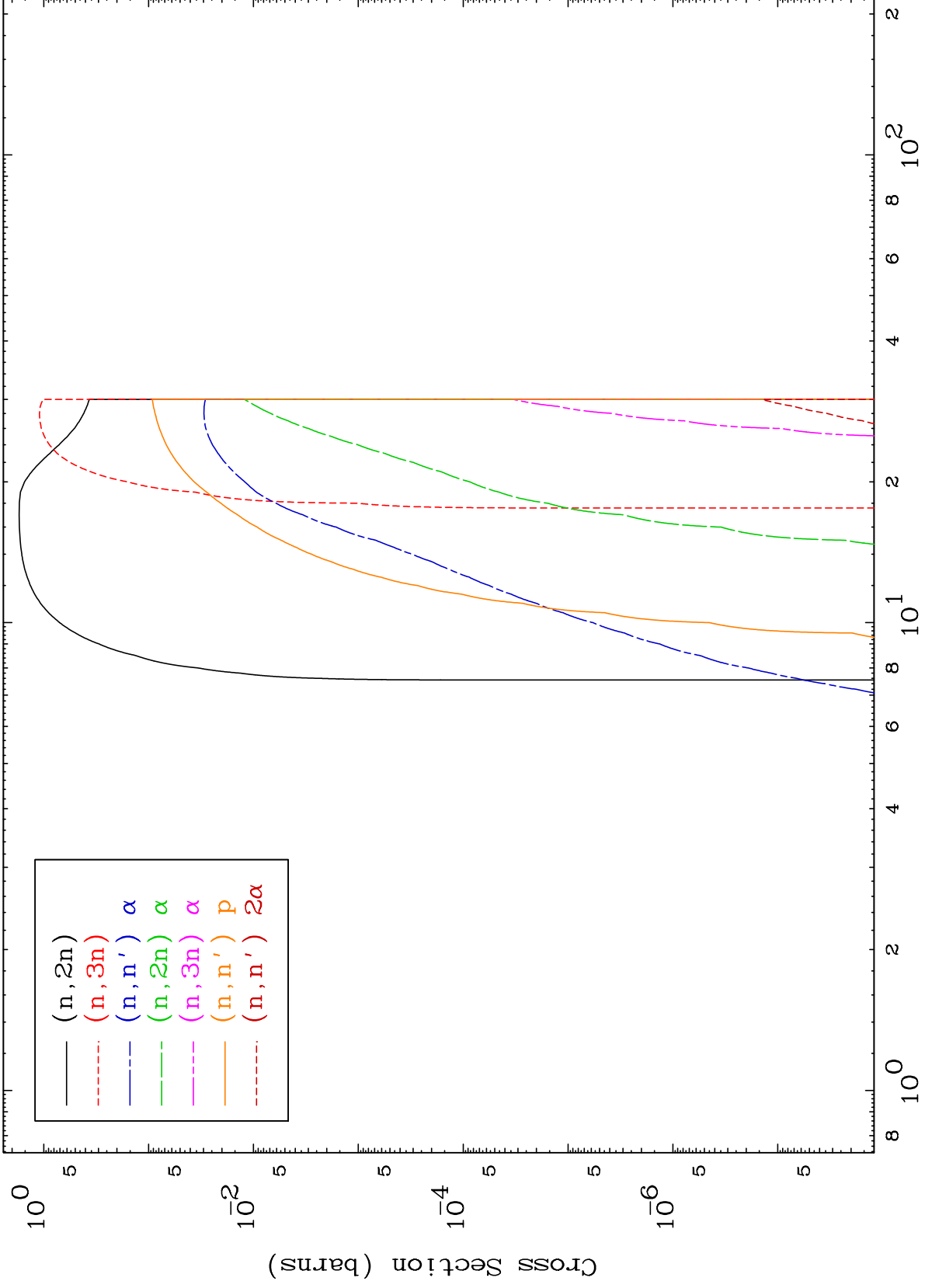
58-Ce-137



MAT 5828

Neutron Production
293 Kelvin Cross Sections

58-Ce-137

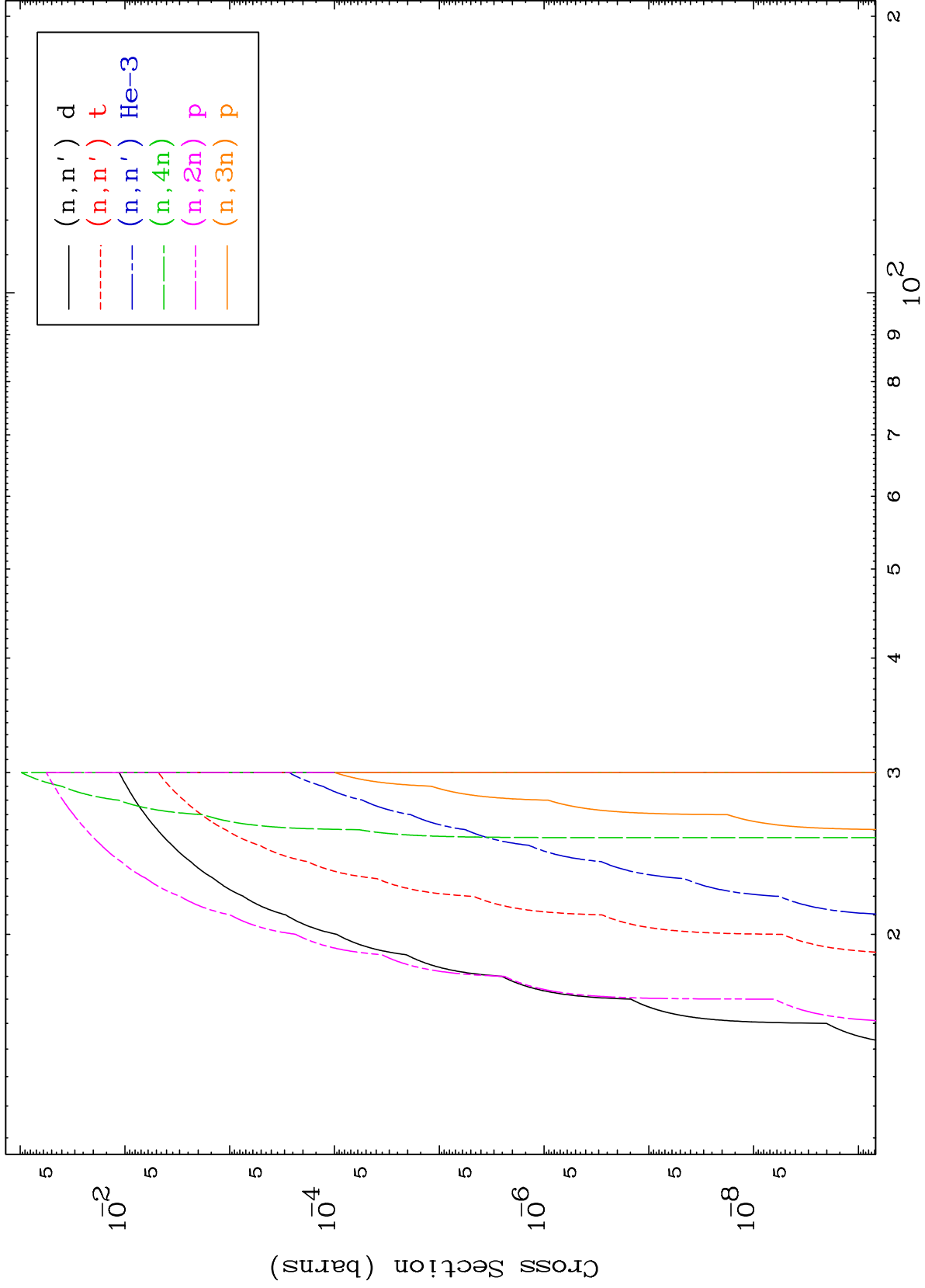


58-Ce-137

Incident Energy (MeV)

2

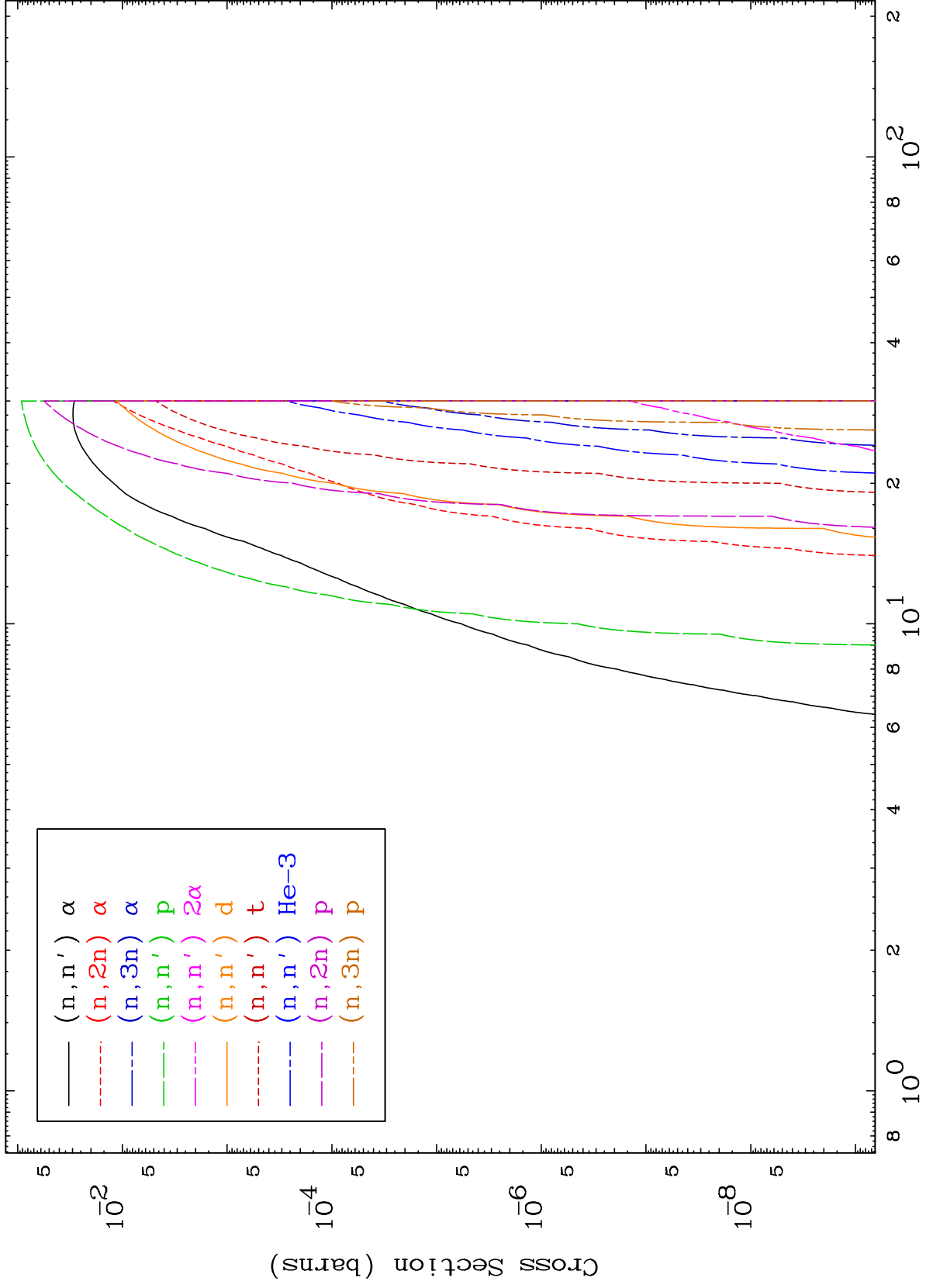
Neutron Production
293 Kelvin Cross Sections



MAT 5828

Charged Particle
293 Kelvin Cross Sections

58-Ce-137



Incident Energy (MeV)

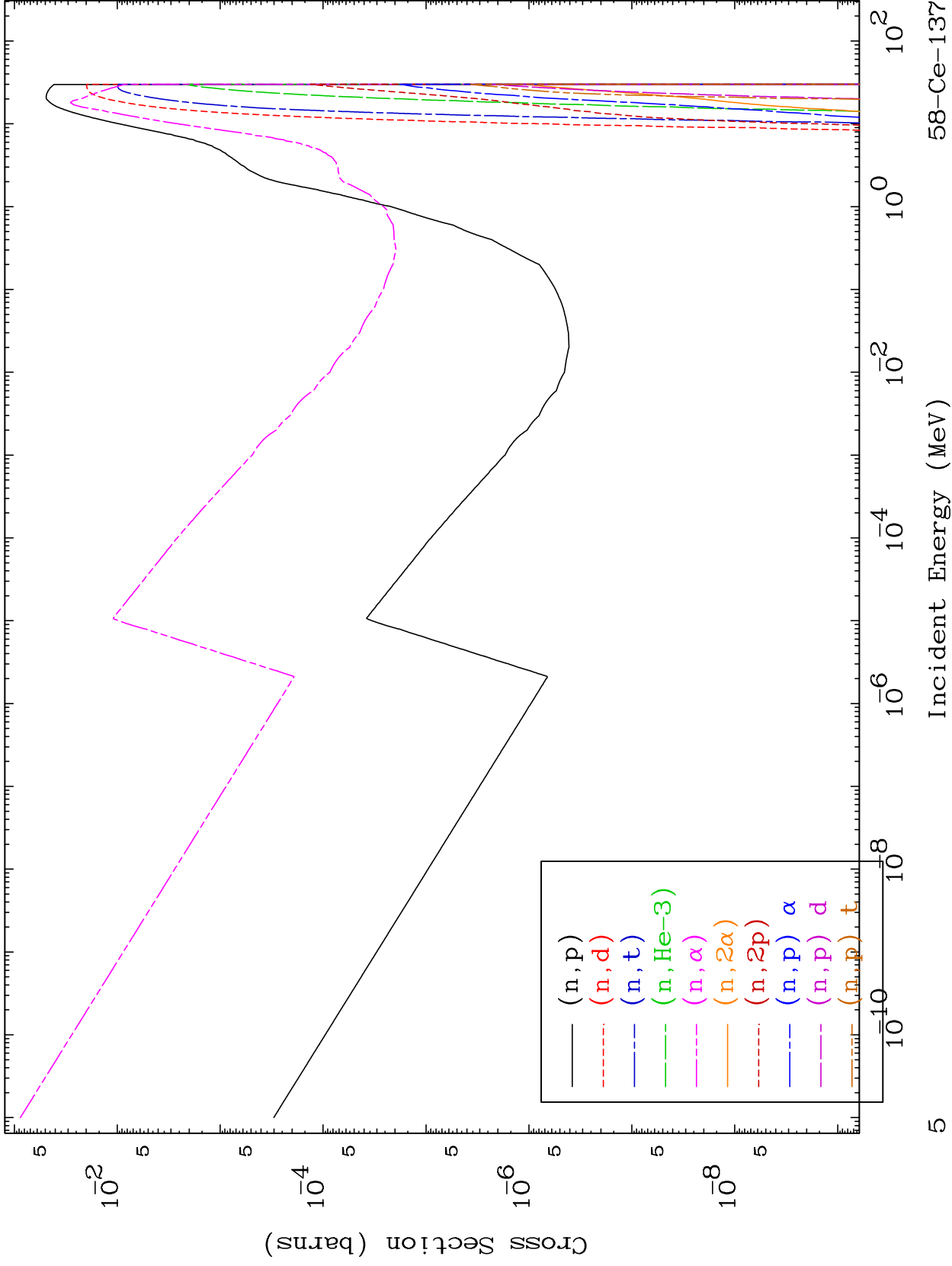
58-Ce-137

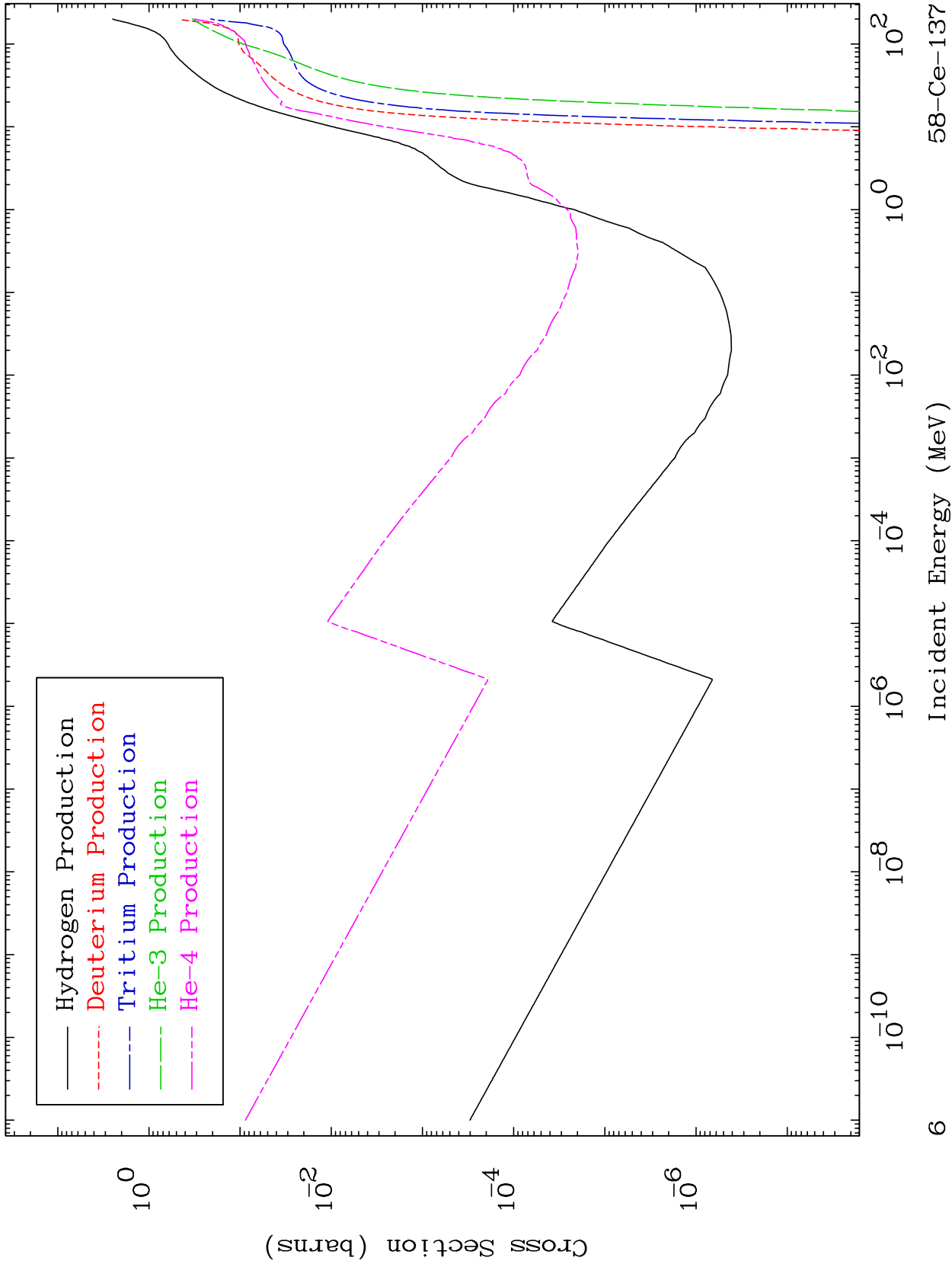
4

MAT 5828

Charged Particle
293 Kelvin Cross Sections

58-Ce-137

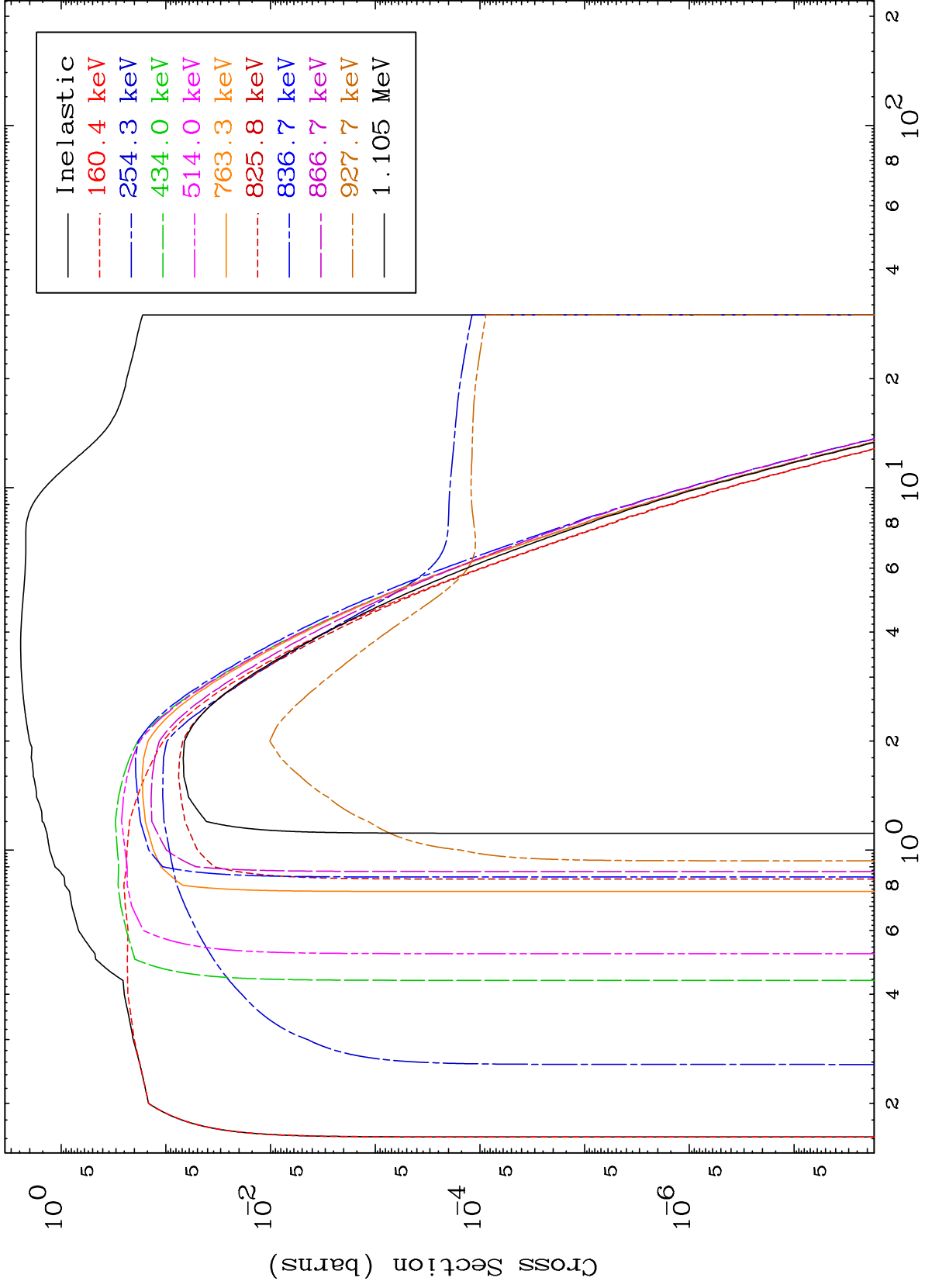




MAT 5828

(n,n') Level
293 Kelvin Cross Sections

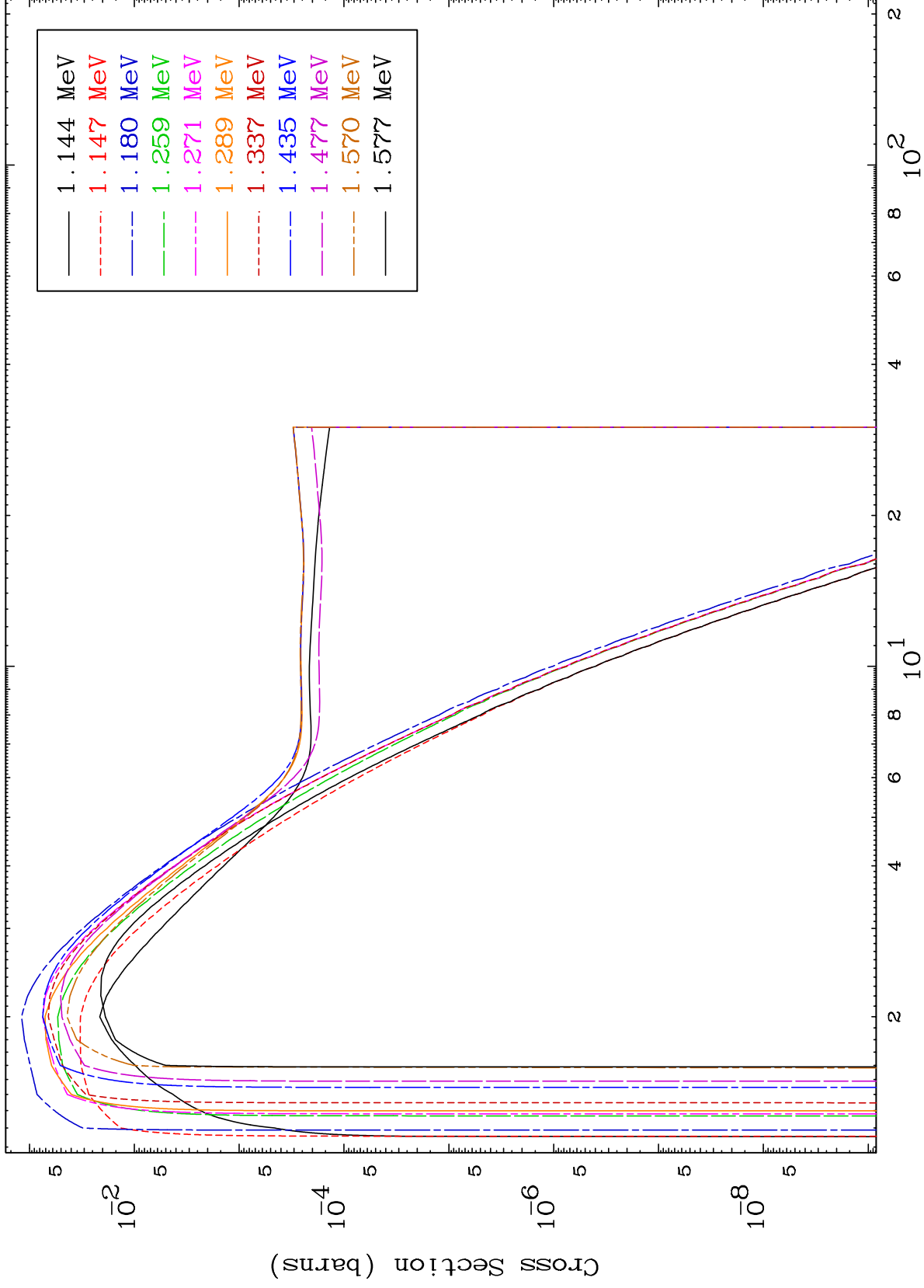
58-Ce-137



MAT 5828

(n,n') Level
293 Kelvin Cross Sections

58-Ce-137



8

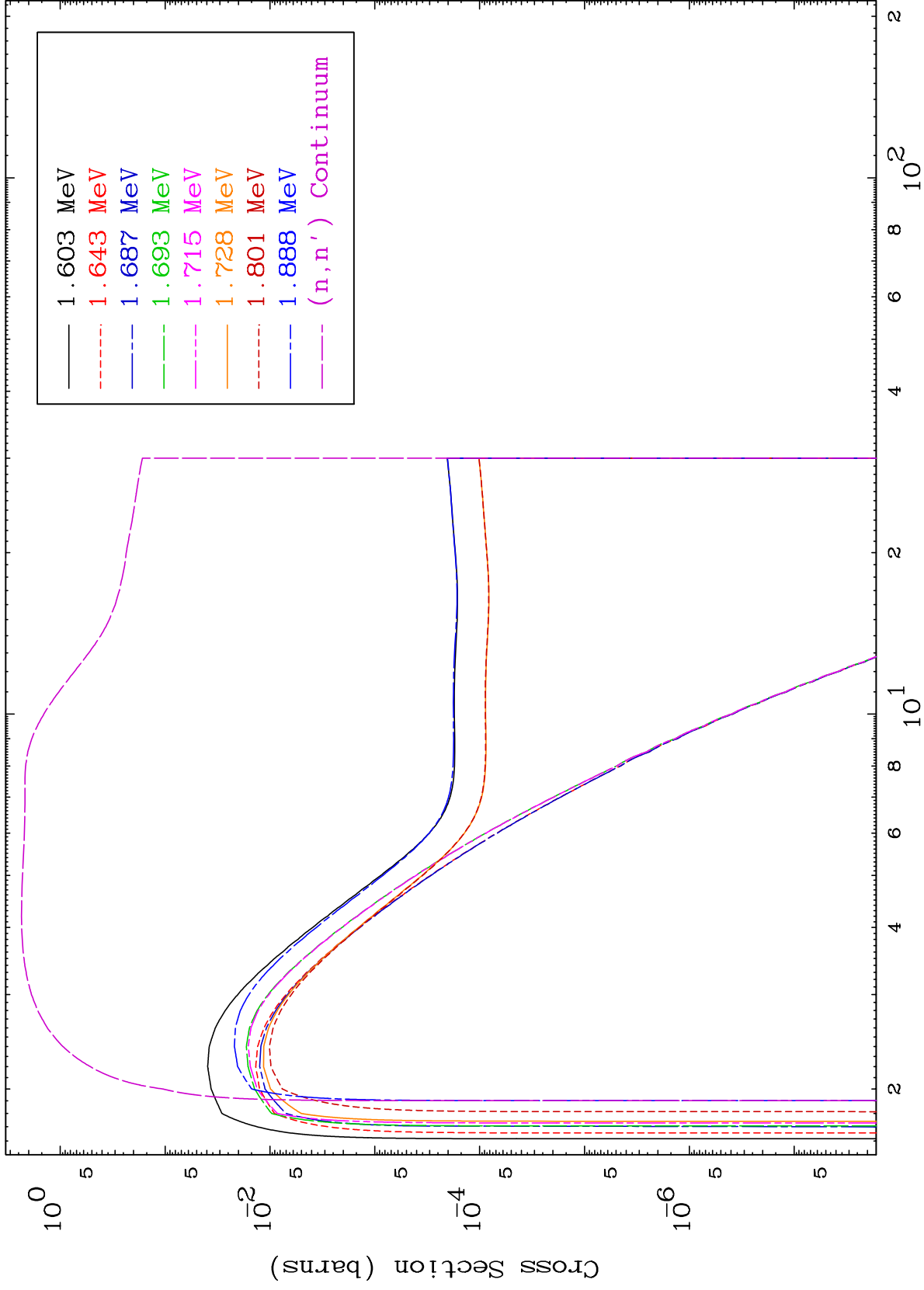
Incident Energy (MeV)

58-Ce-137

MAT 5828

(n,n') Level
293 Kelvin Cross Sections

58-Ce-137



9

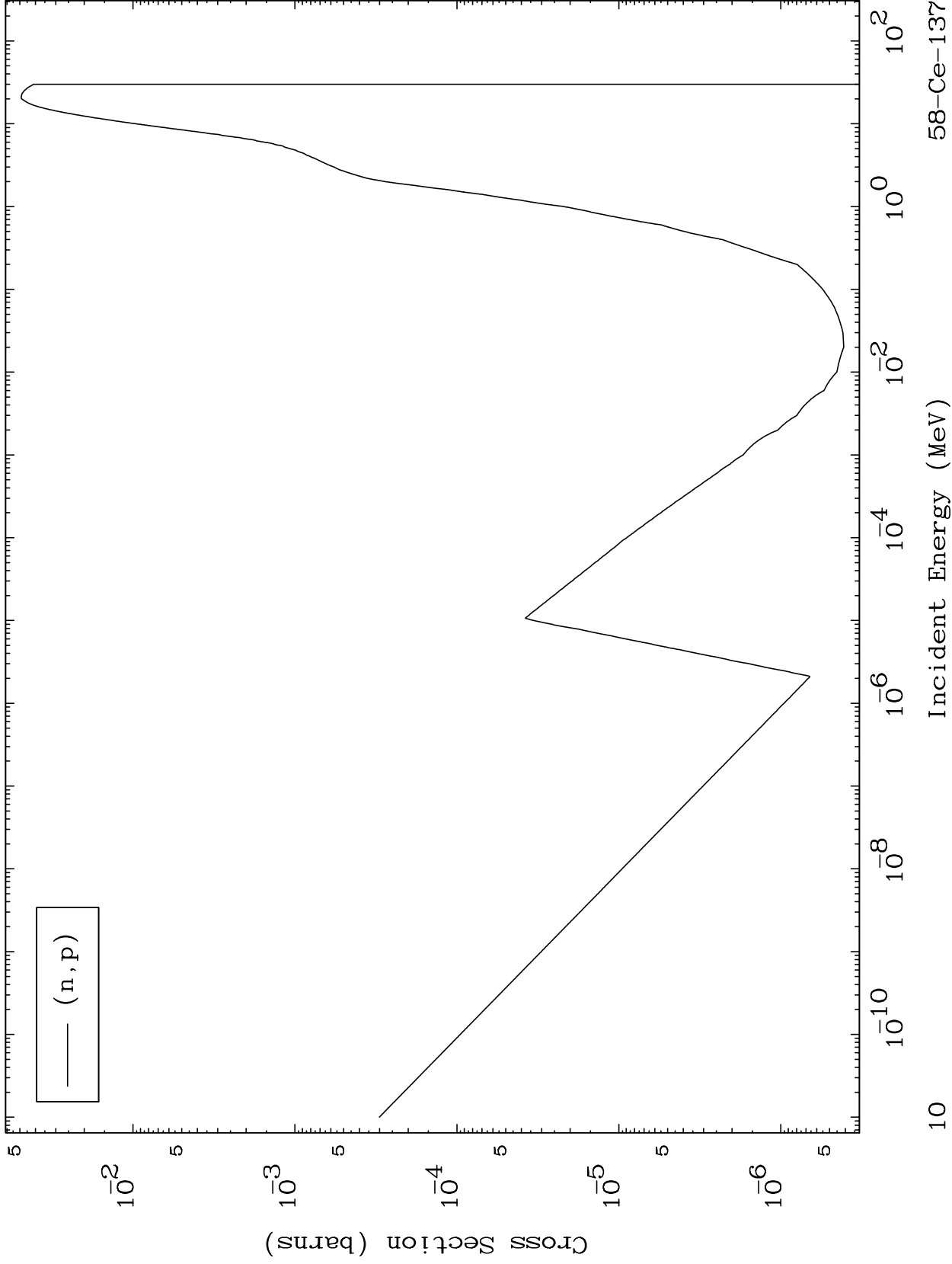
Incident Energy (MeV)

58-Ce-137

MAT 5828

(n,p) Levels
293 Kelvin Cross Sections

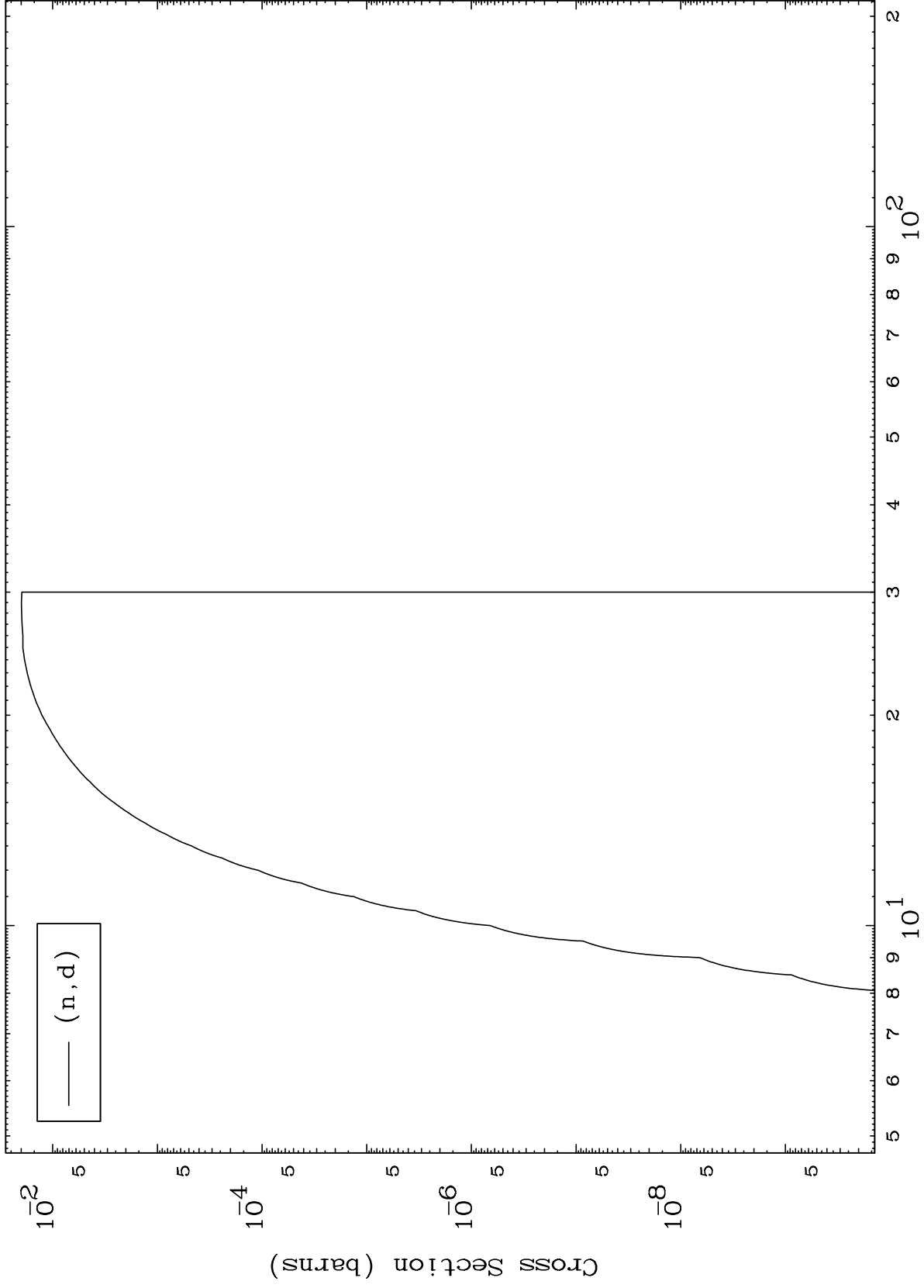
58-Ce-137



MAT 5828

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-137



11

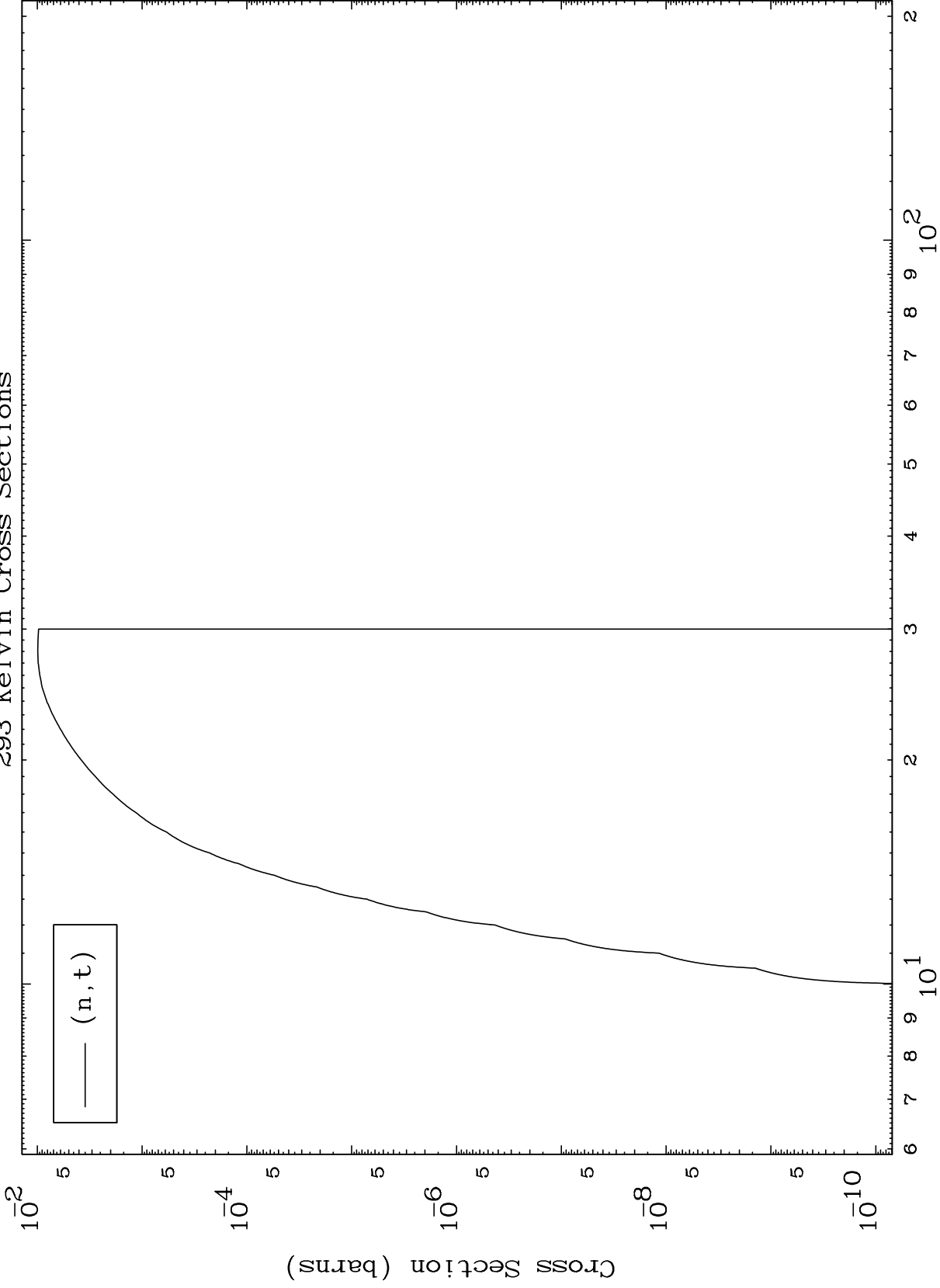
Incident Energy (MeV)

58-Ce-137

MAT 5828

(n,t) Levels
293 Kelvin Cross Sections

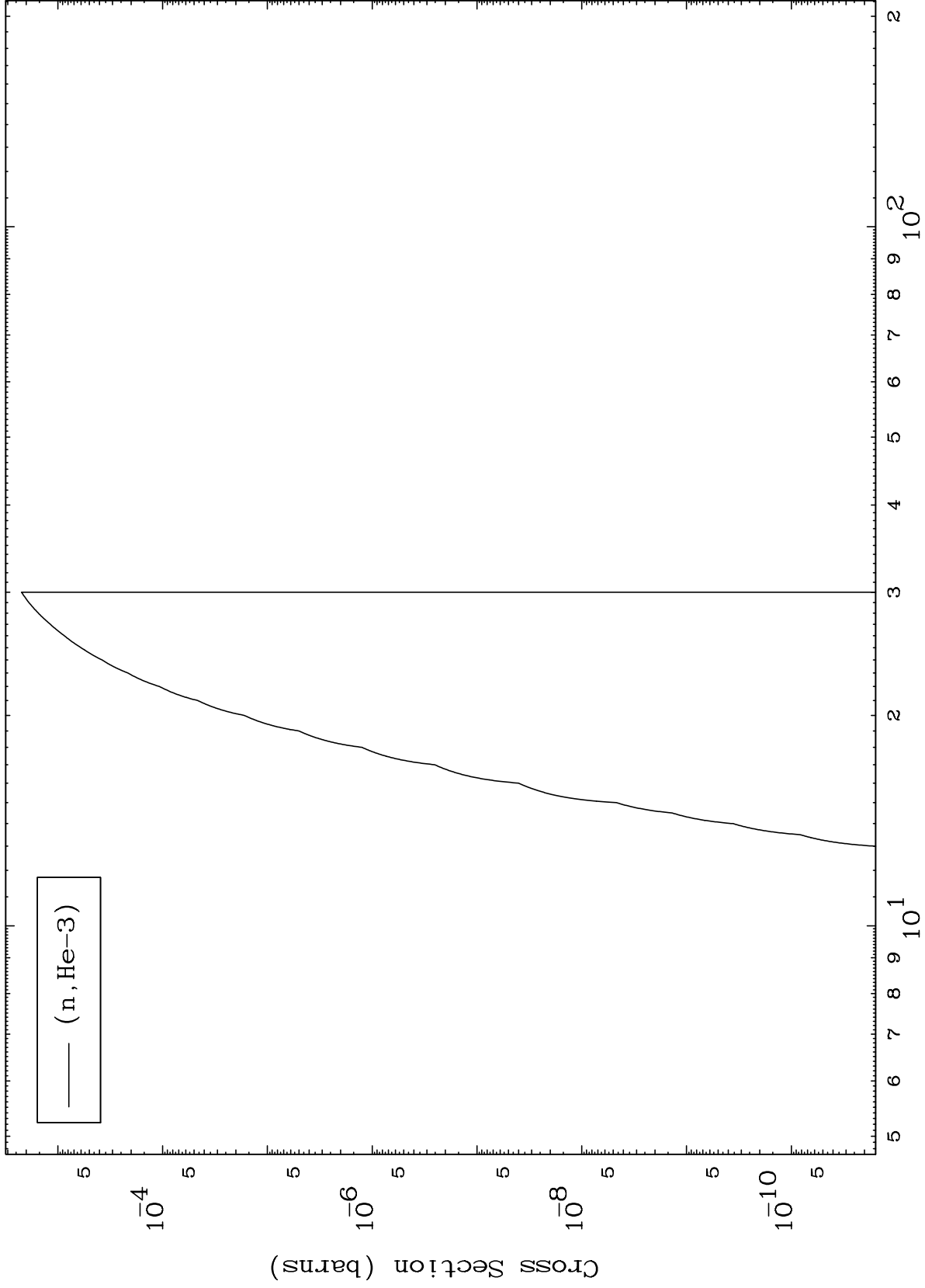
58-Ce-137

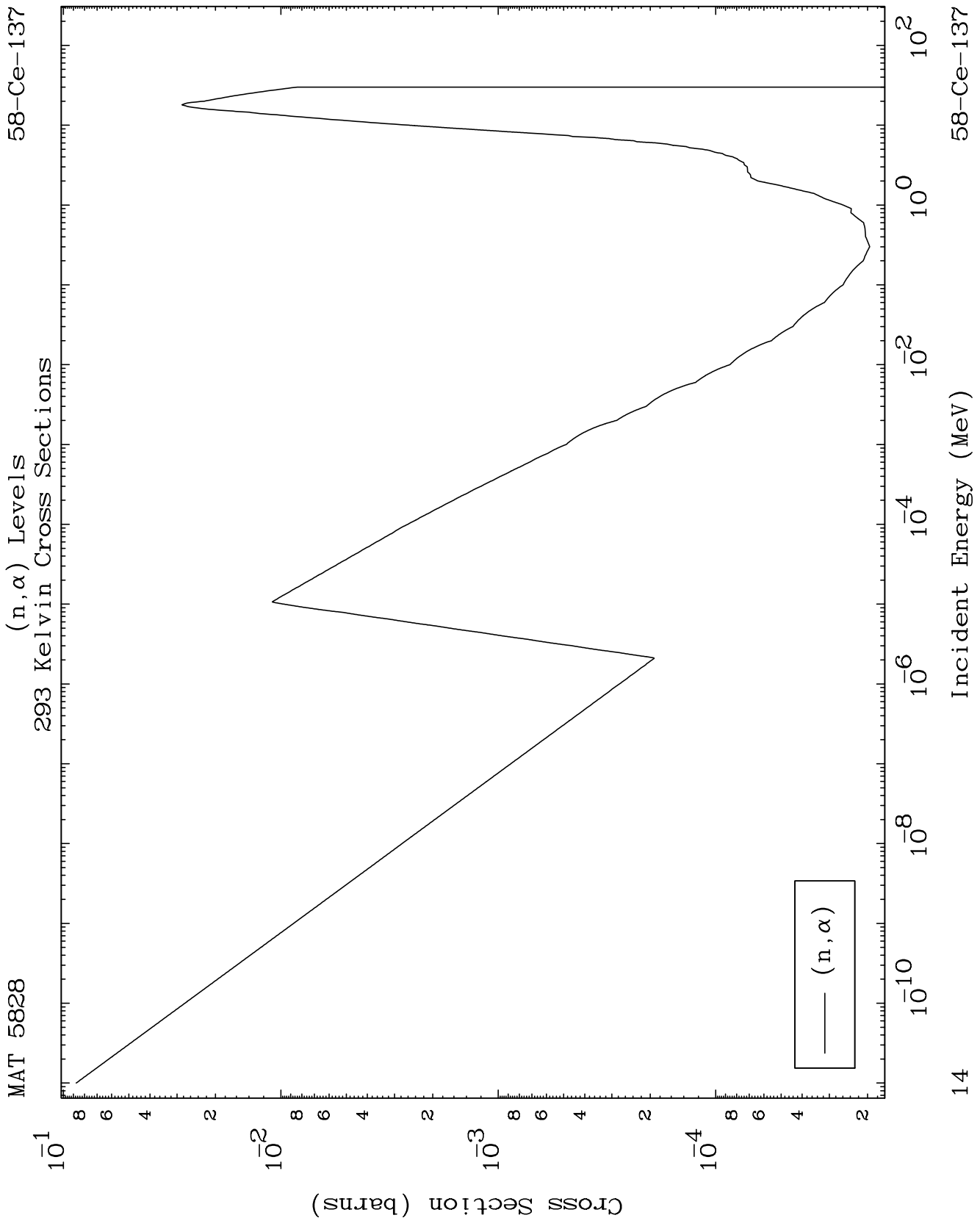


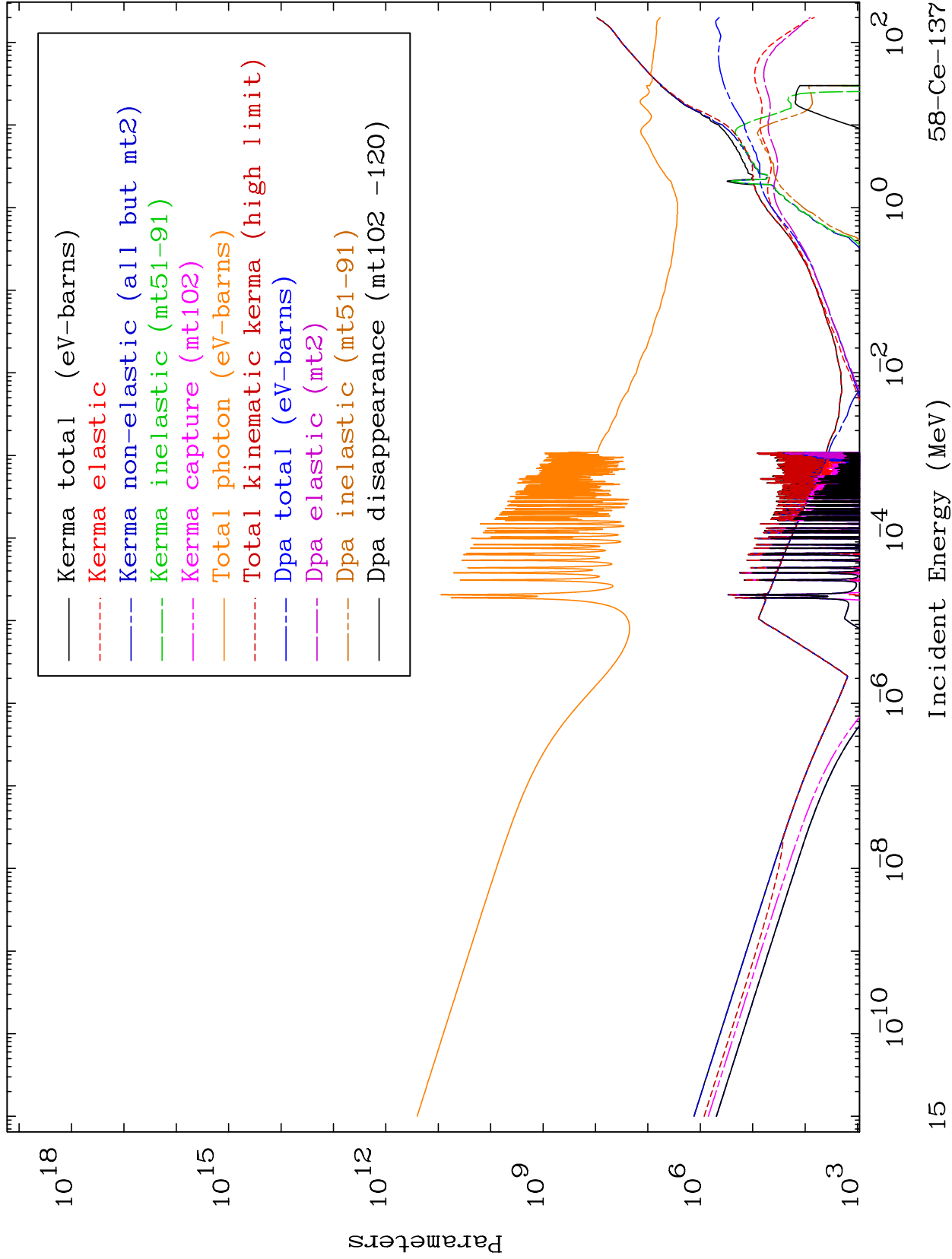
12

Incident Energy (MeV)

58-Ce-137



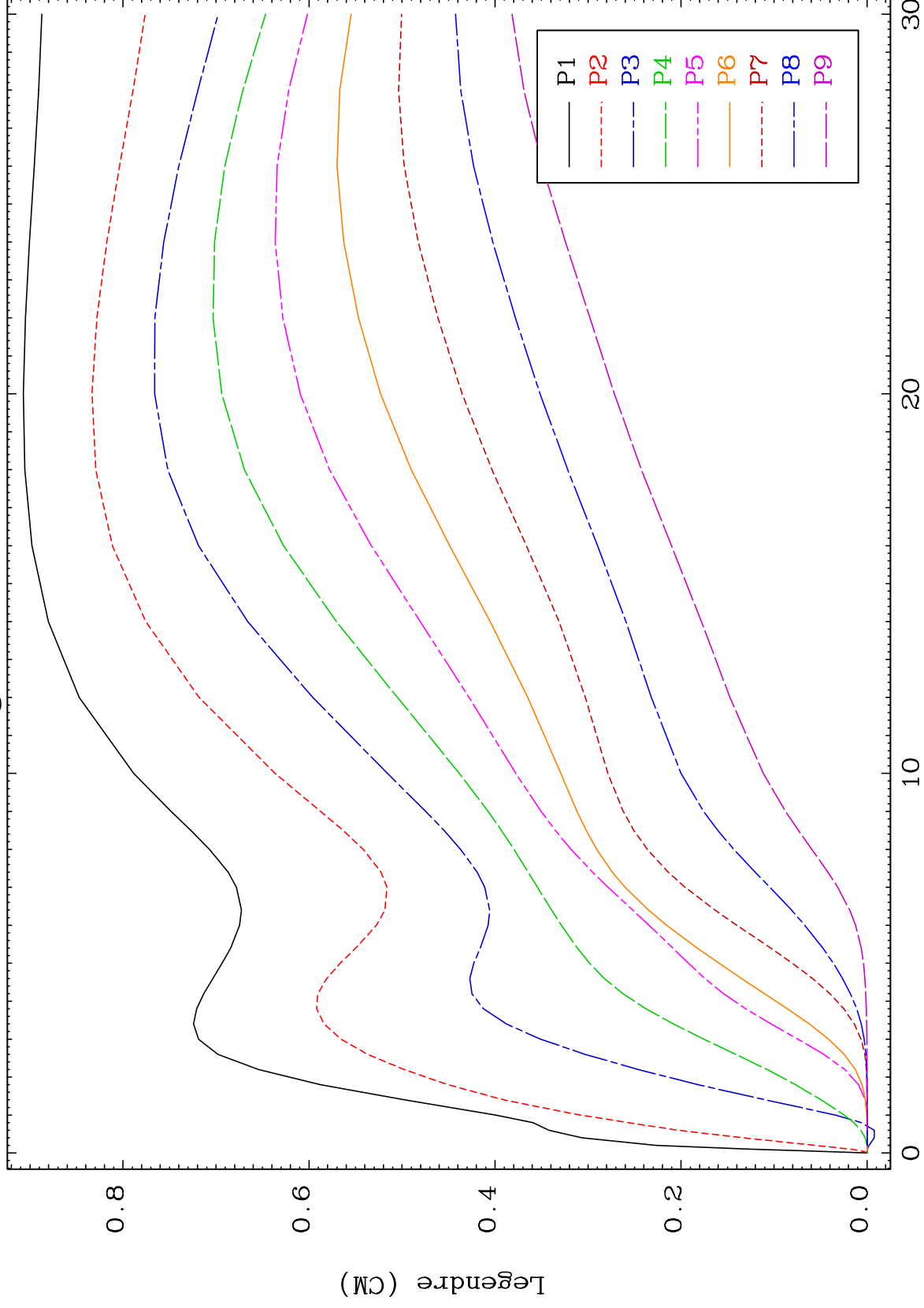




MAT 5828

Elastic Legendre Coefficients

58-Ce-137



16

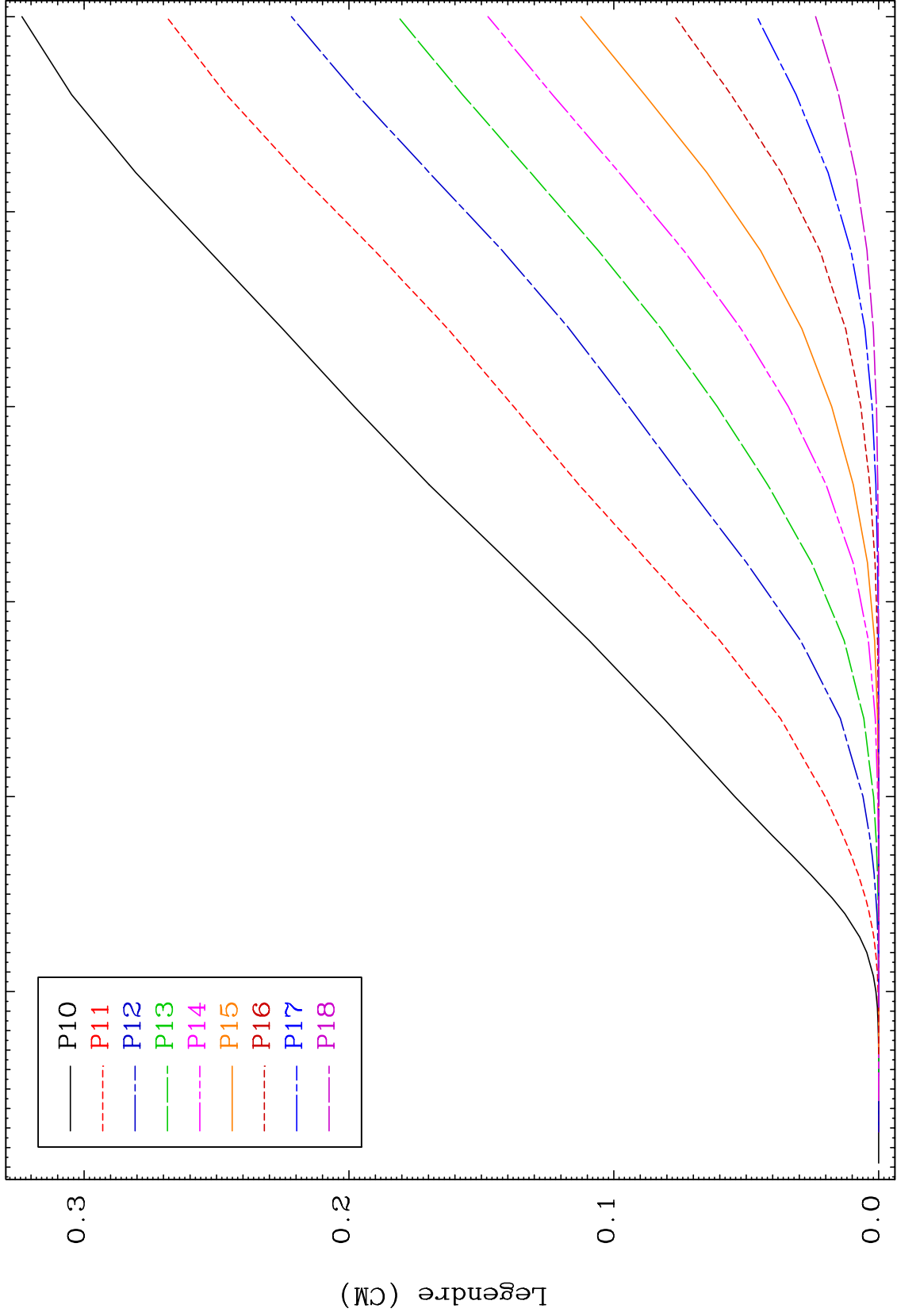
Incident Energy (MeV)

58-Ce-137

MAT 5828

Elastic Legendre Coefficients

58-Ce-137



17

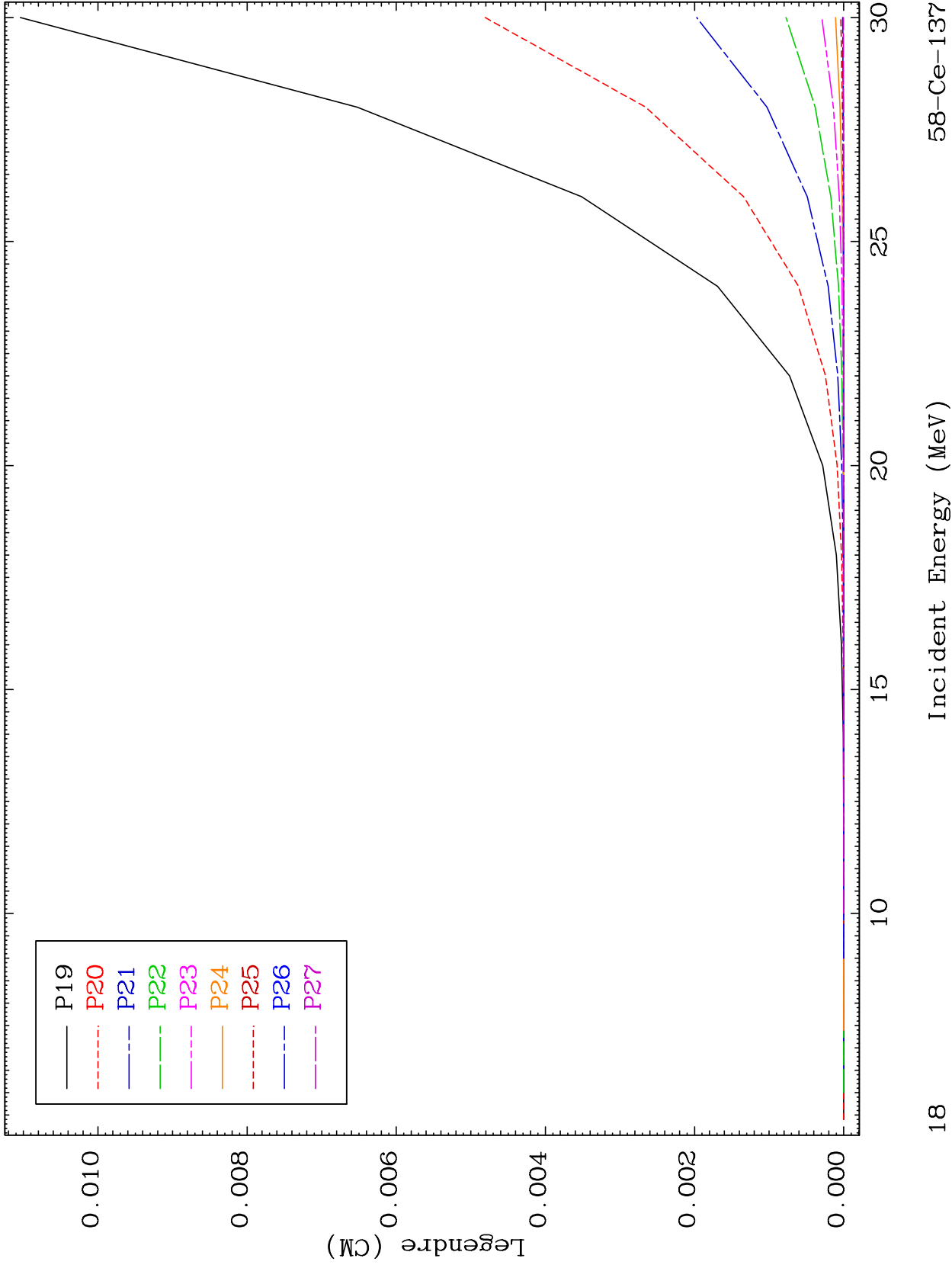
Incident Energy (MeV)

58-Ce-137

MAT 5828

Elastic Legendre Coefficients

58-Ce-137



18

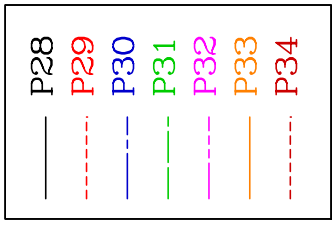
Incident Energy (MeV)

58-Ce-137

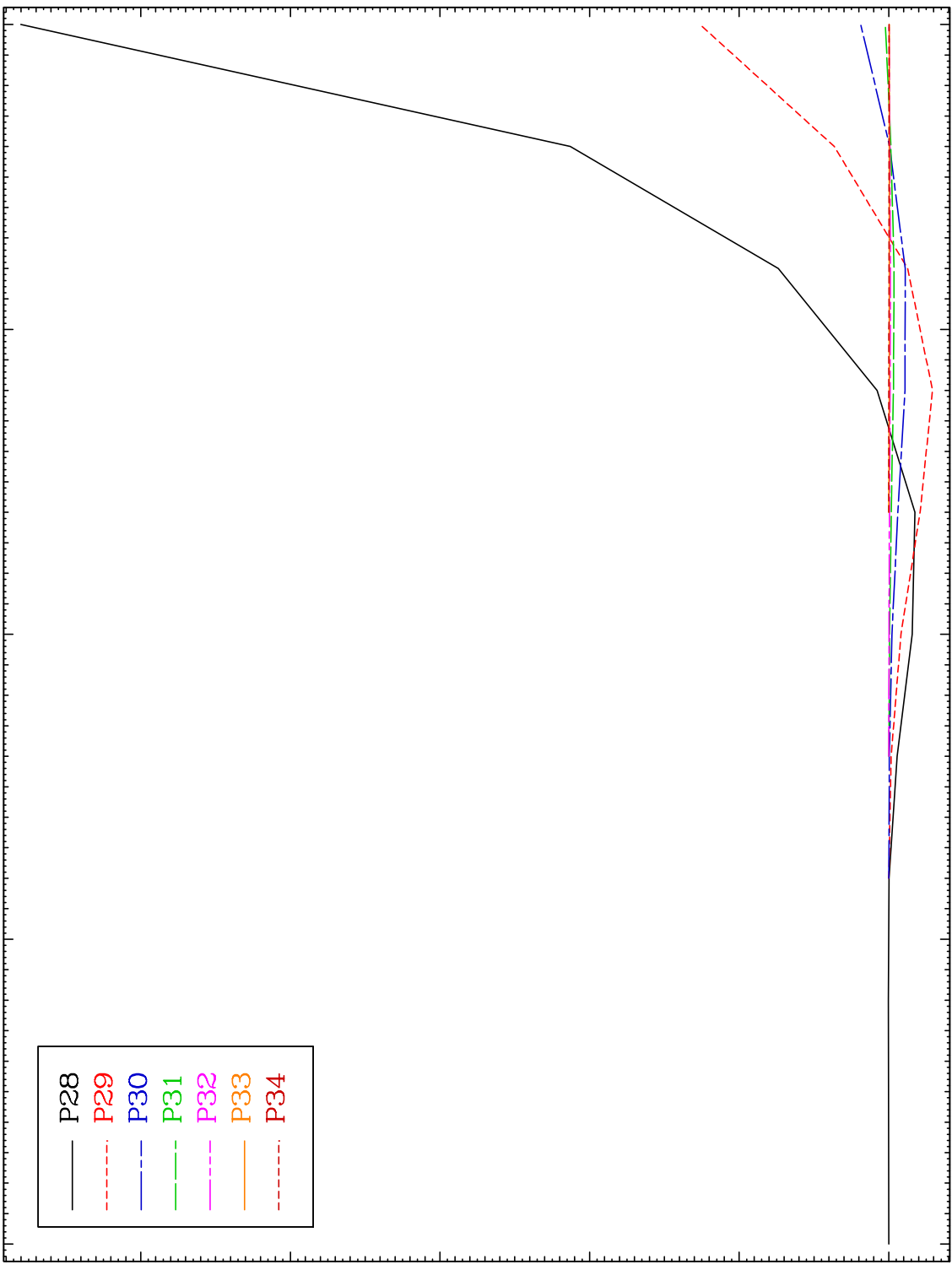
MAT 5828

Elastic Legendre Coefficients

58-Ce-137



$\times 10^{-6}$
1.0
0.8
0.6
0.4
0.2
0.0

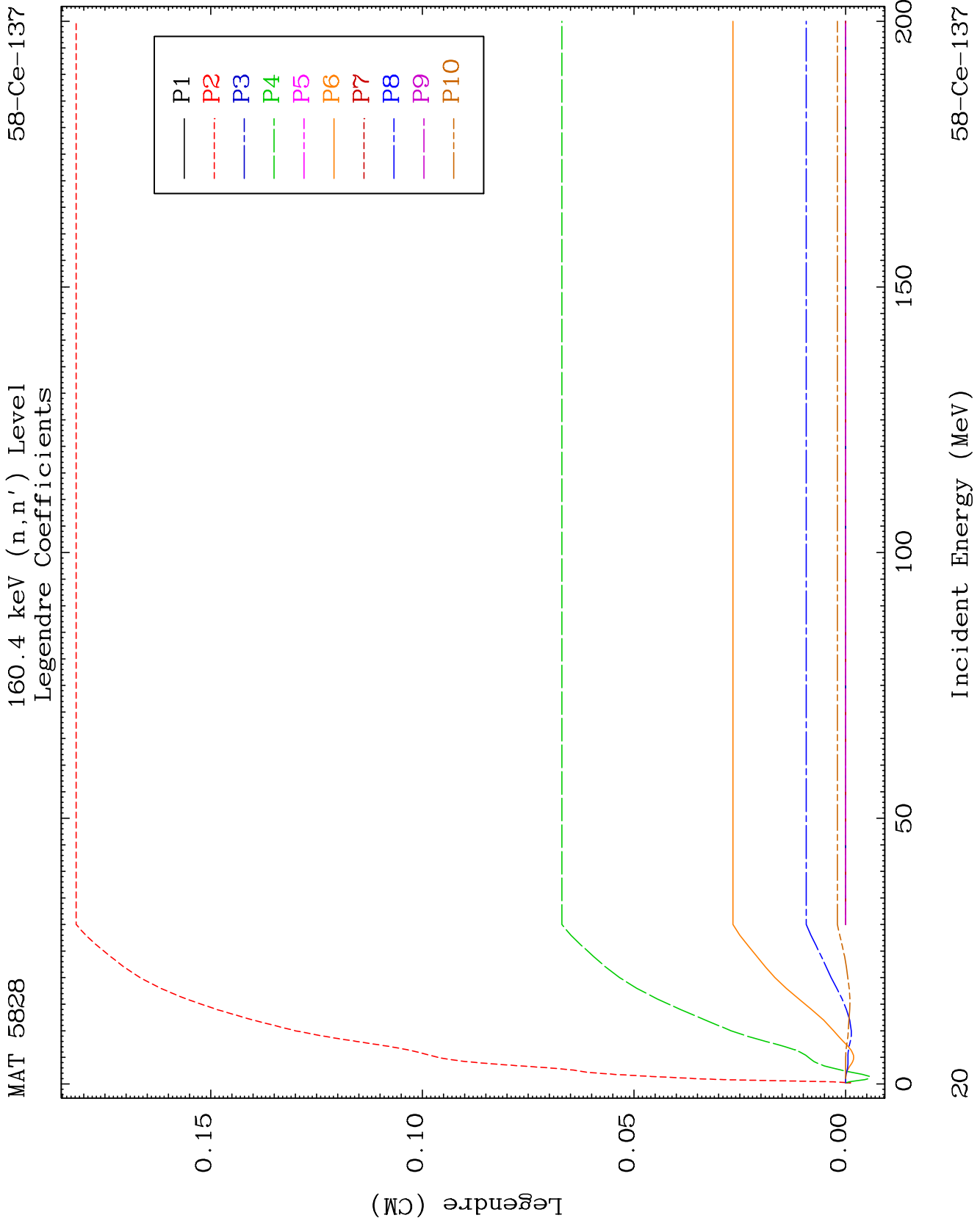


10 15 20 25 30

Incident Energy (MeV)

58-Ce-137

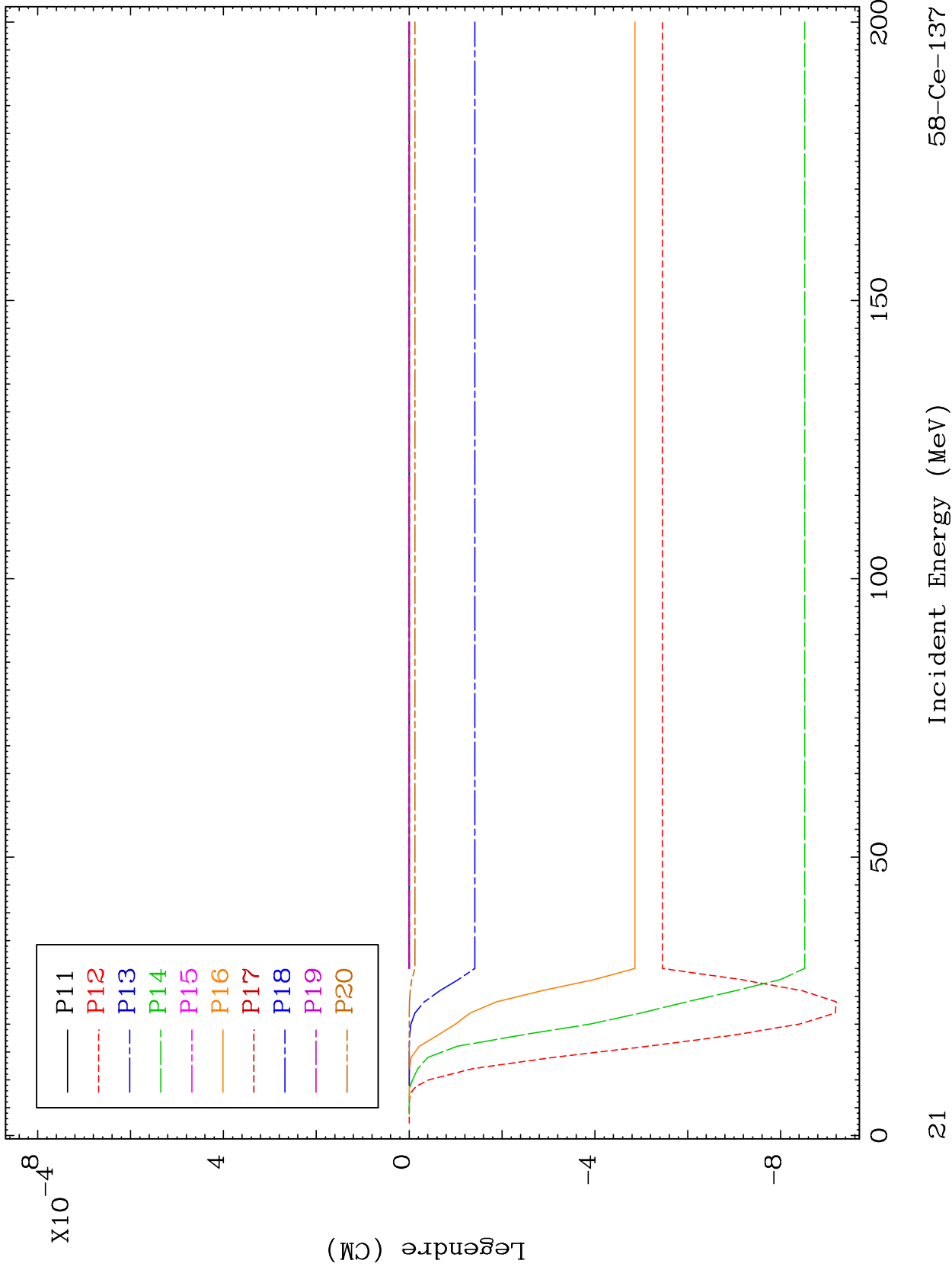
19

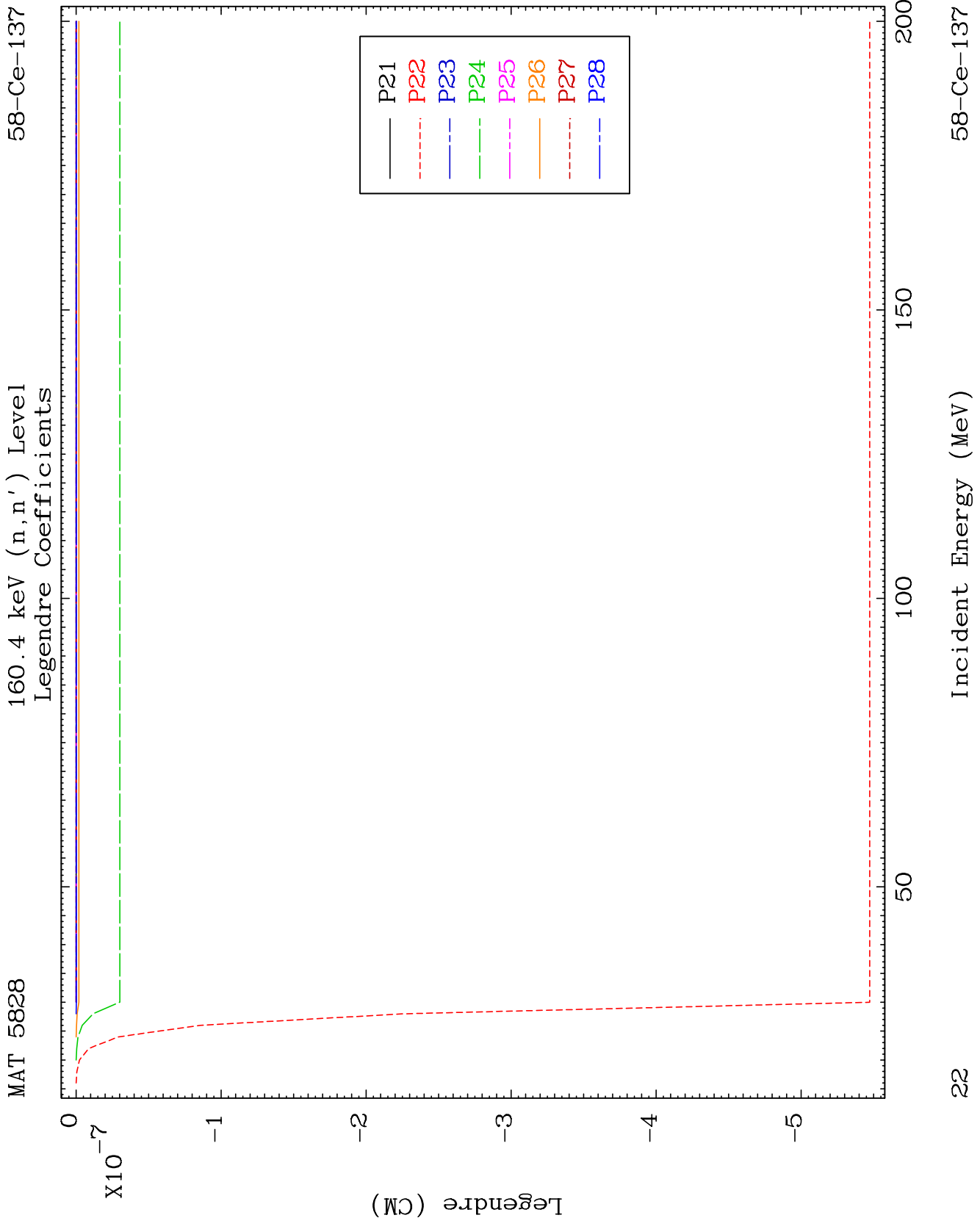


MAT 5828

160.4 keV (n,n') Level
Legendre Coefficients

58-Ce-137

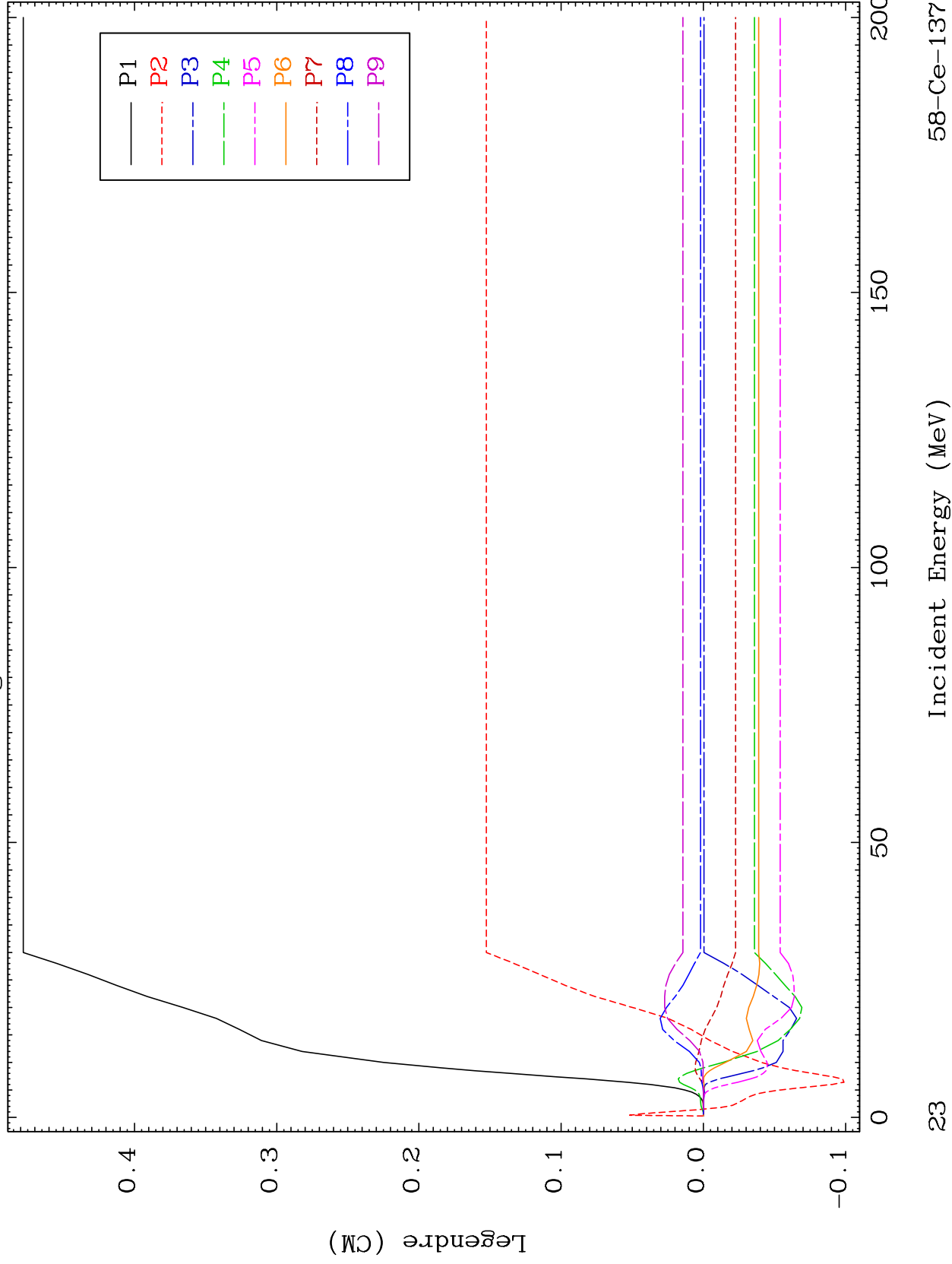




MAT 5828

254.3 keV (n,n') Level
Legendre Coefficients

58-Ce-137



58-Ce-137

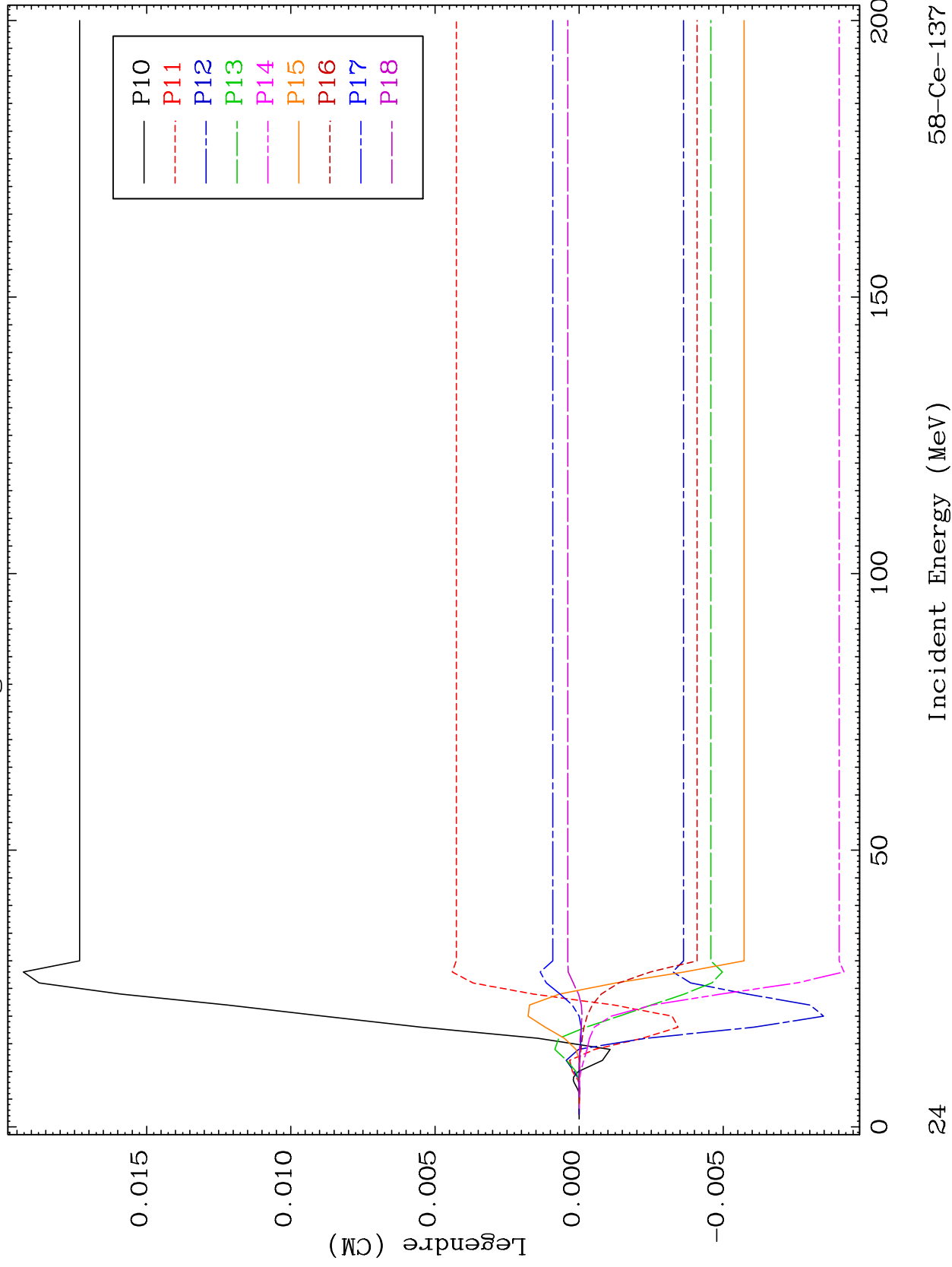
Incident Energy (MeV)

23

MAT 5828

254.3 keV (n,n') Level
Legendre Coefficients

58-Ce-137



58-Ce-137

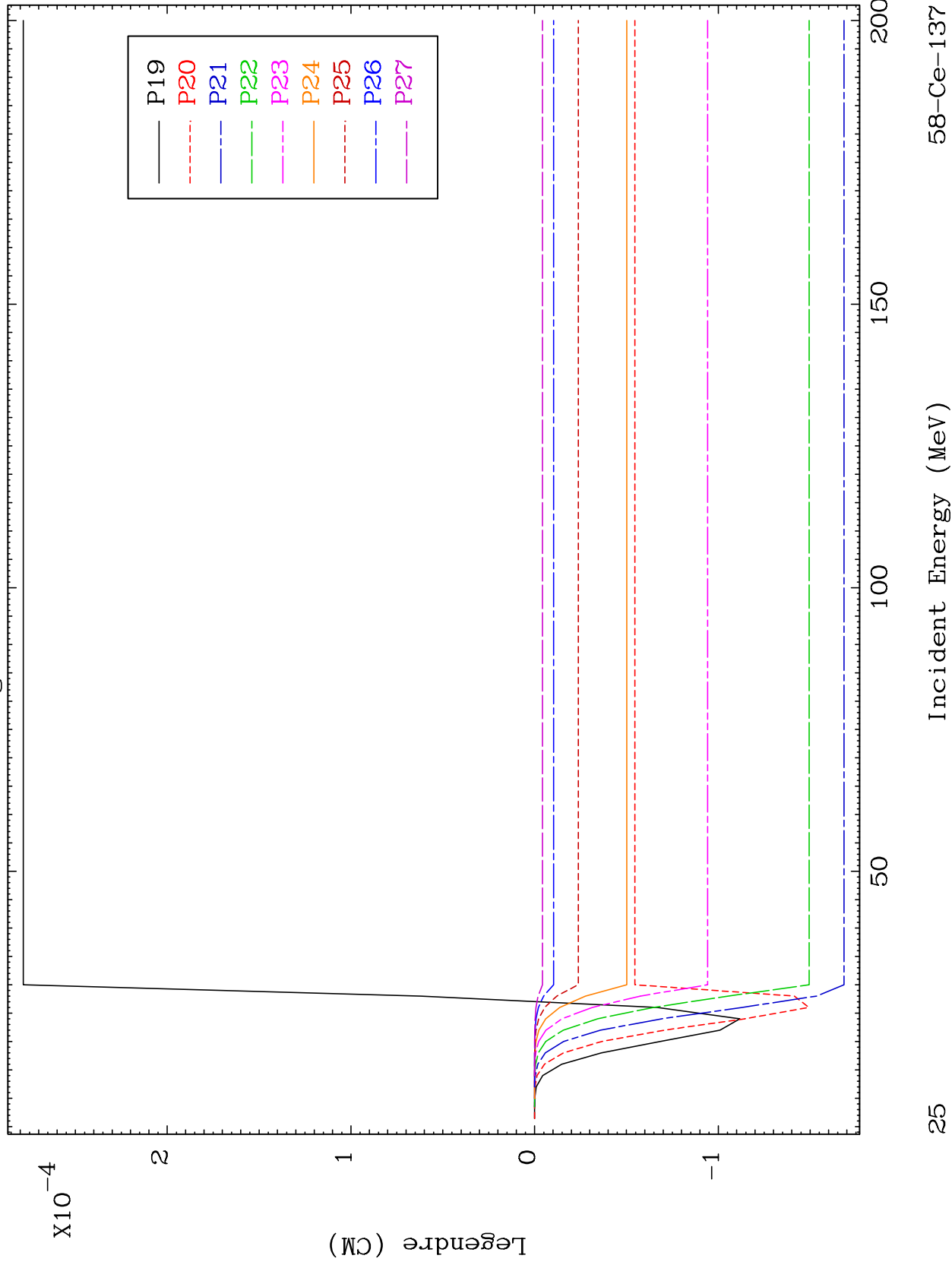
Incident Energy (MeV)

24

MAT 5828

254.3 keV (n,n') Level
Legendre Coefficients

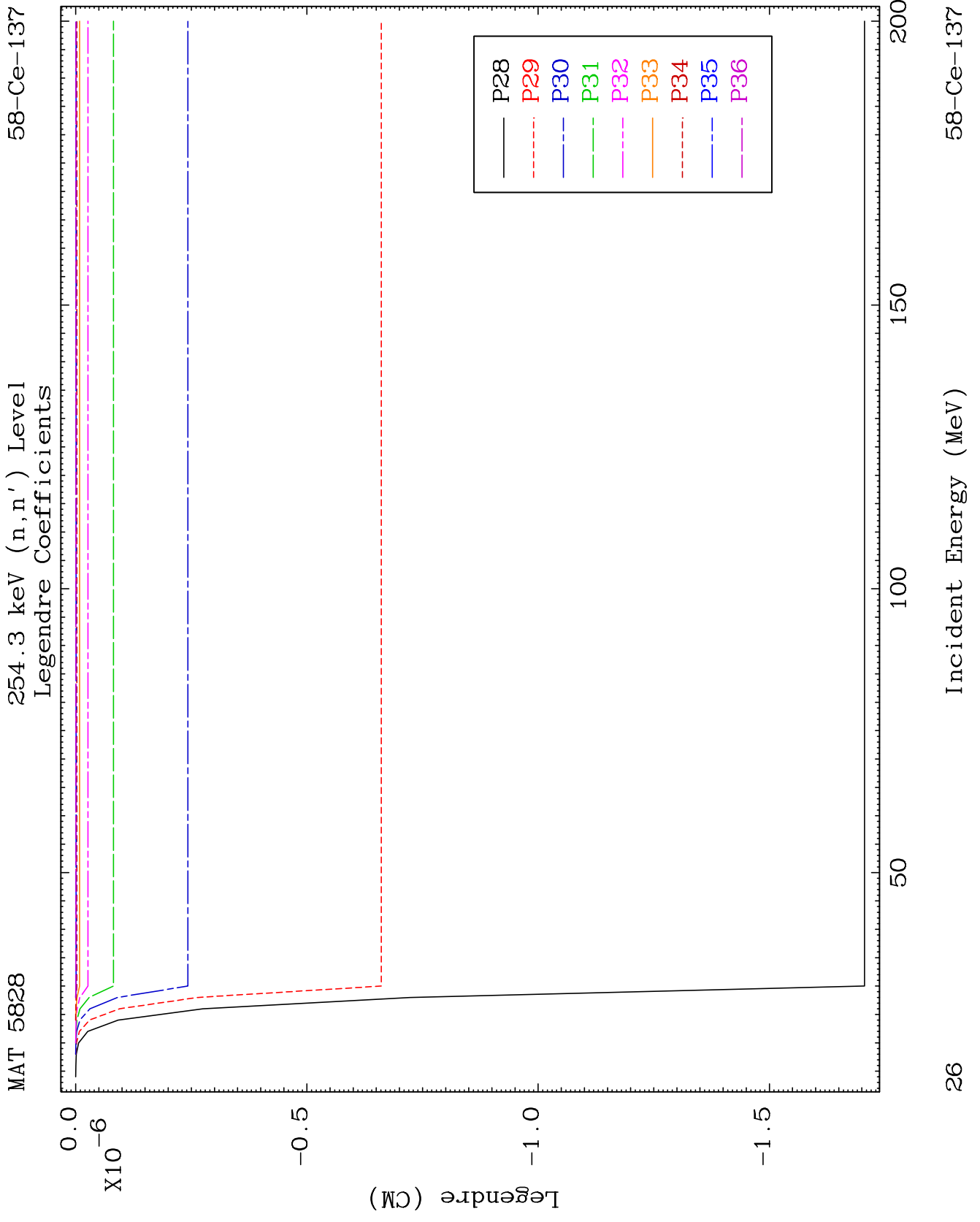
58-Ce-137

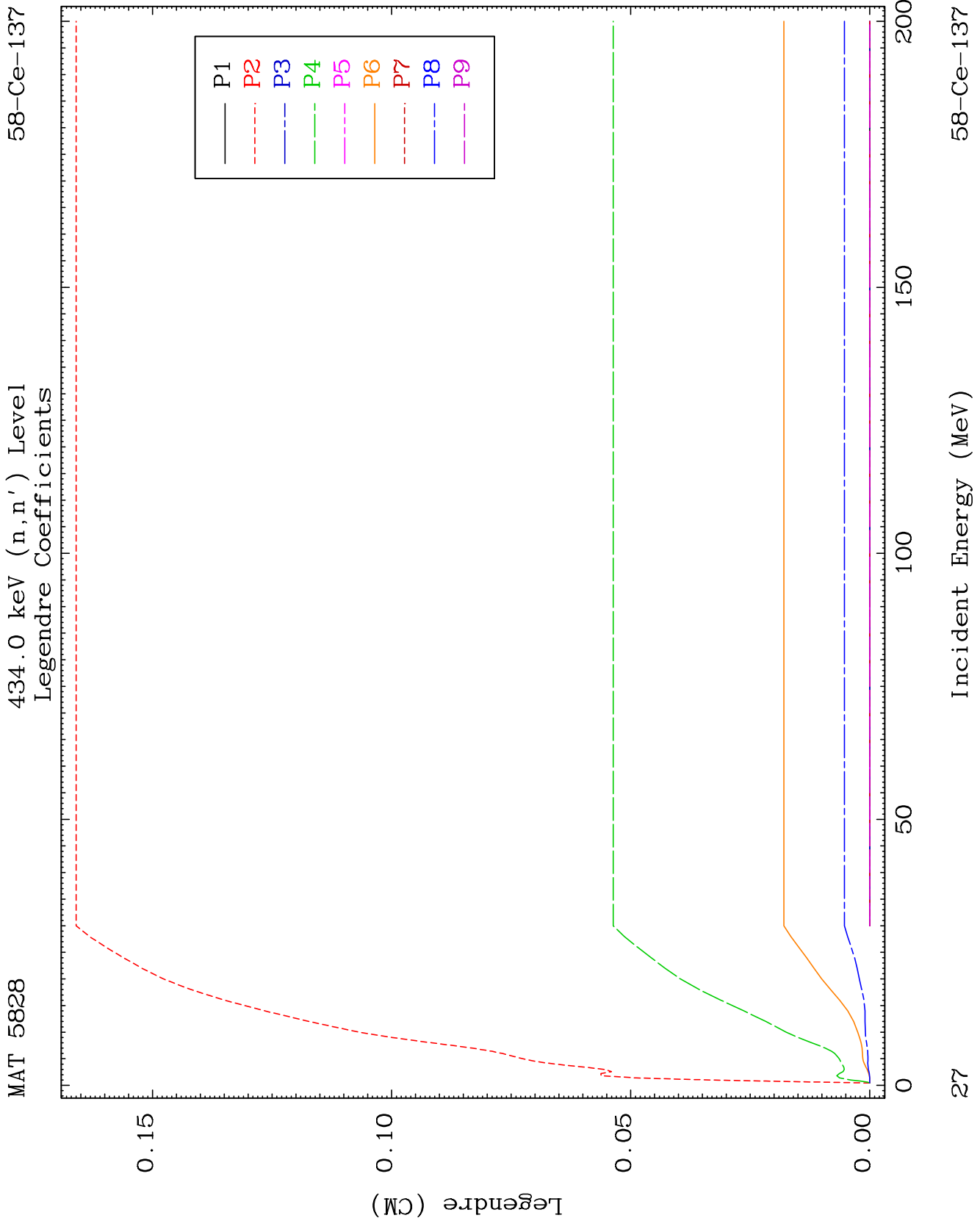


25

Incident Energy (MeV)

58-Ce-137

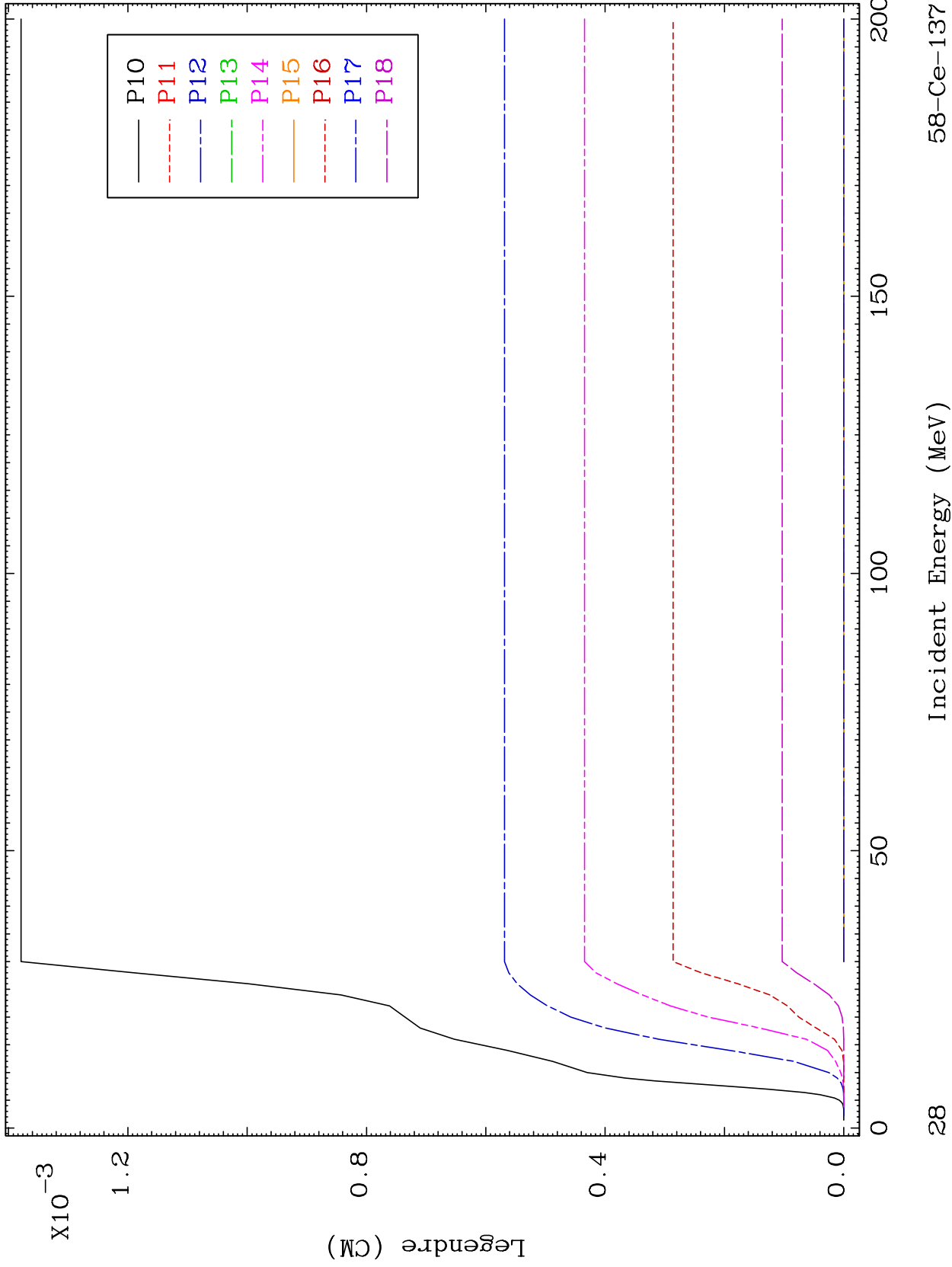


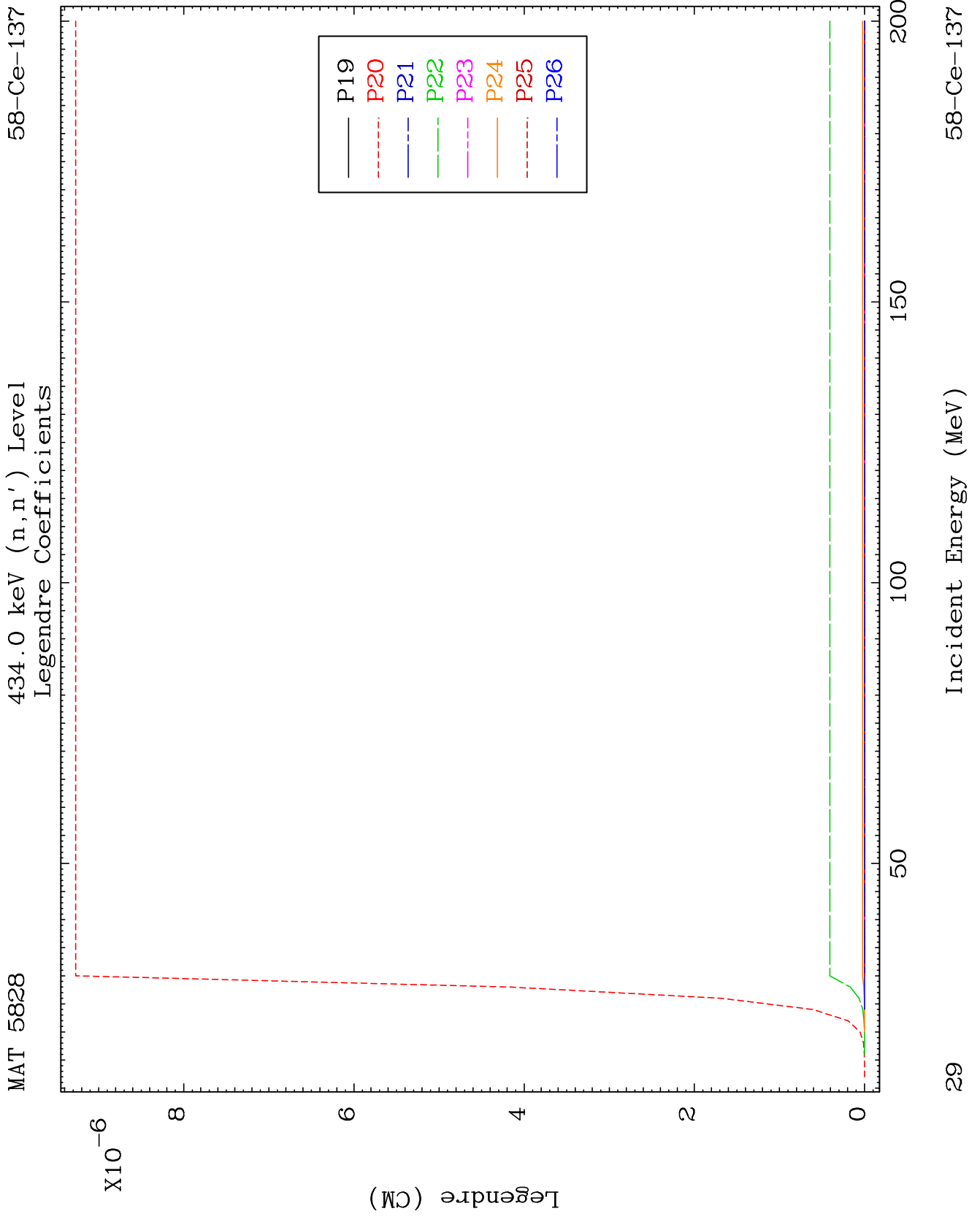


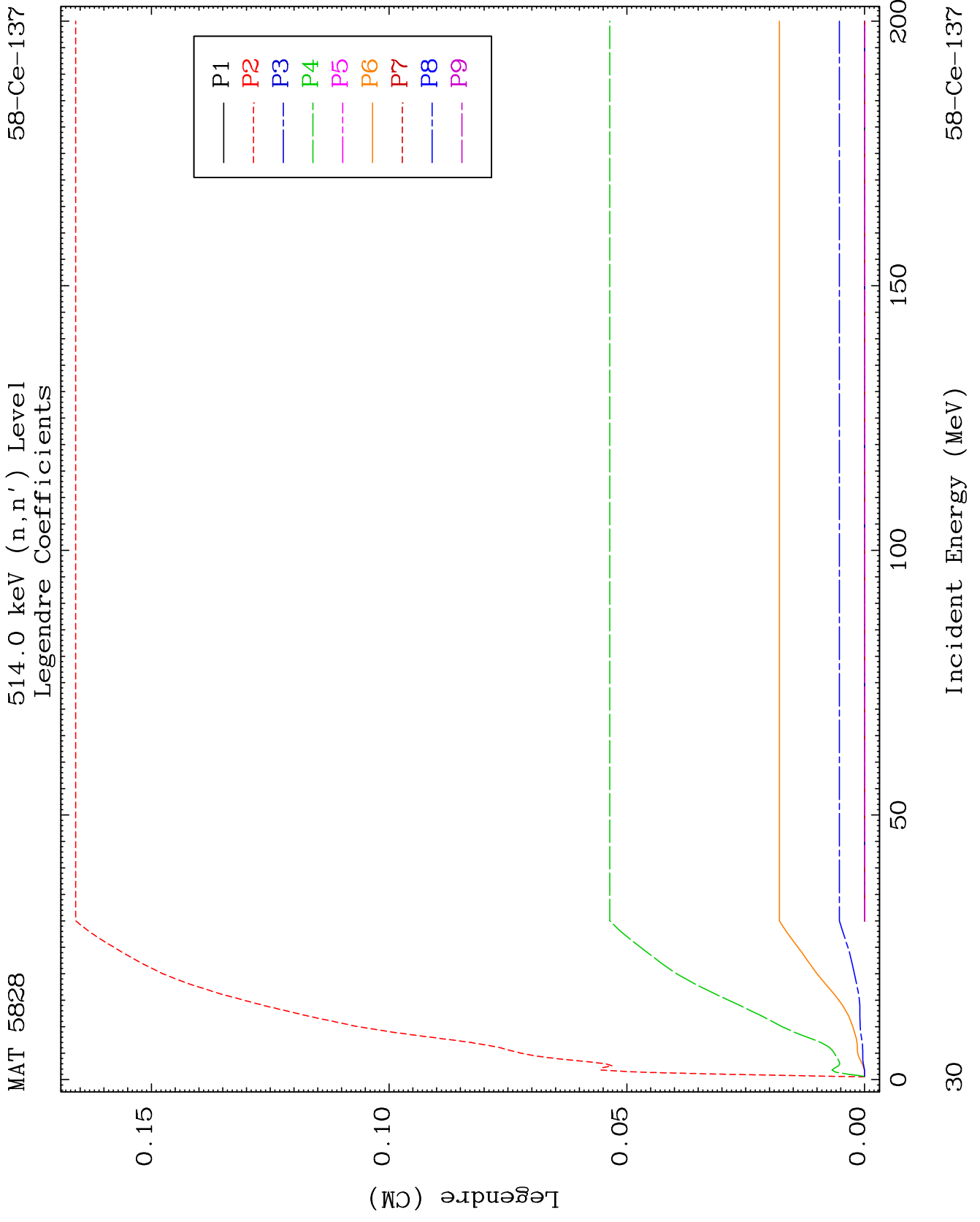
MAT 5828

434.0 keV (n,n') Level
Legendre Coefficients

58-Ce-137



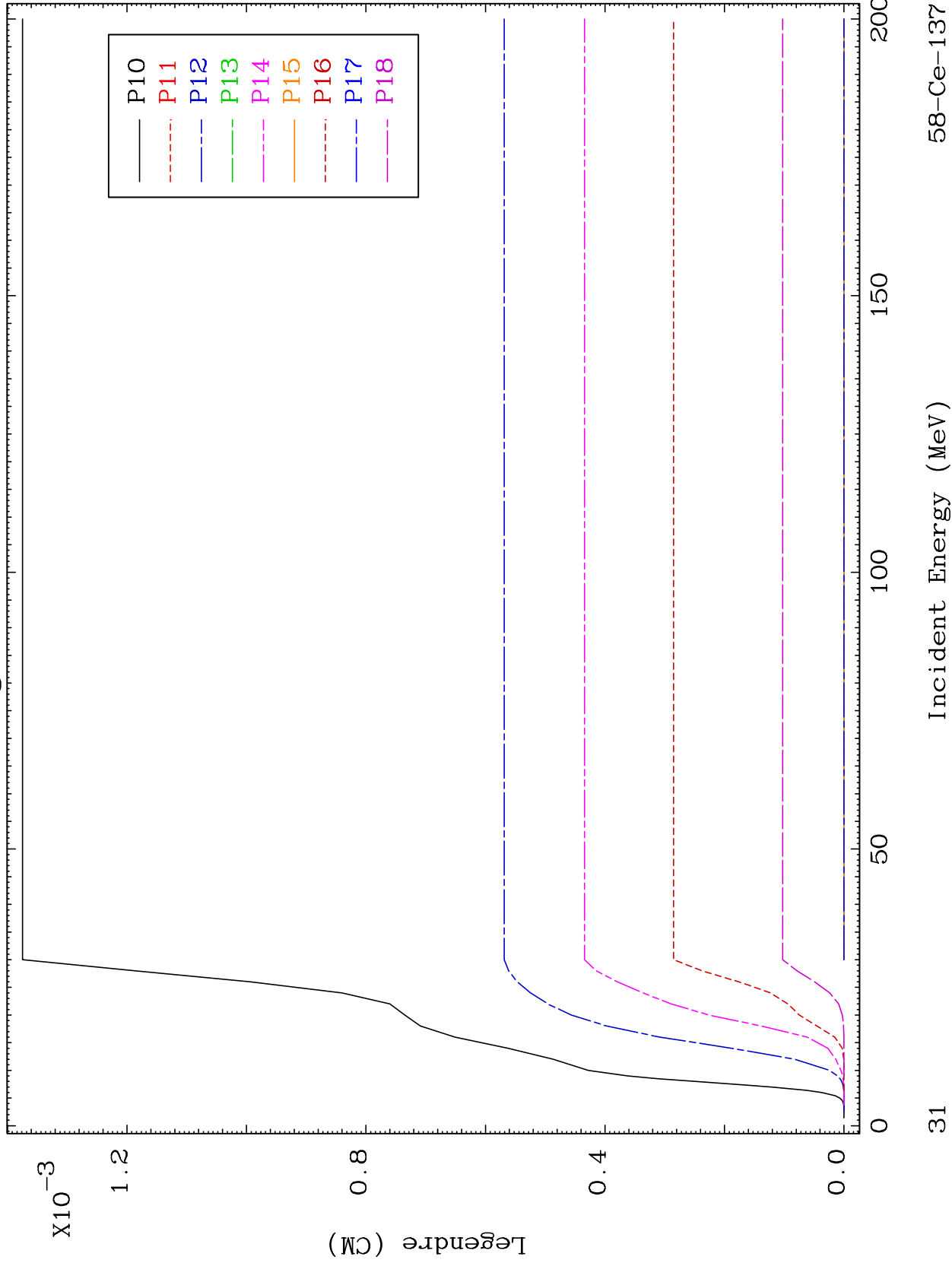




MAT 5828

514.0 keV (n,n') Level
Legendre Coefficients

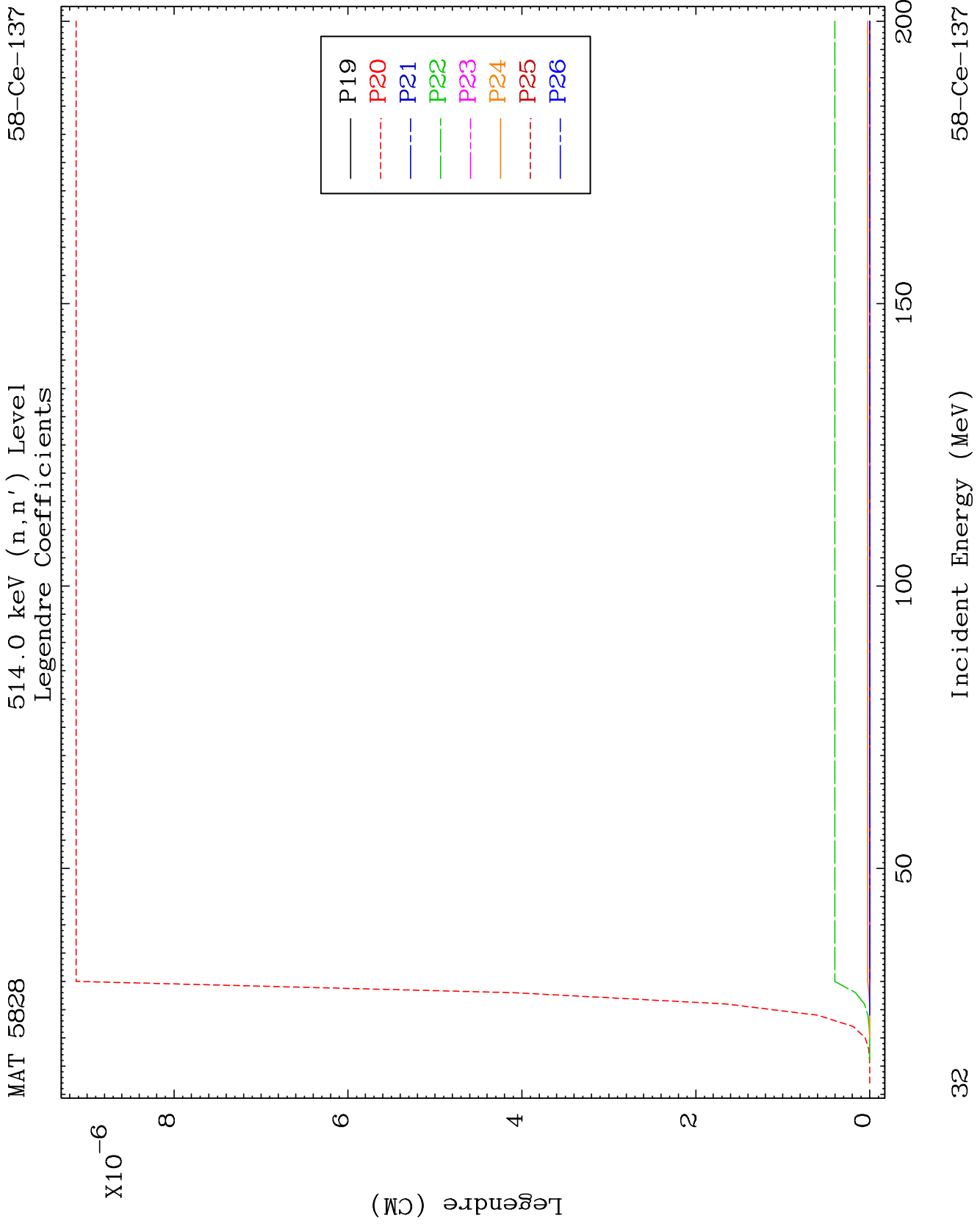
58-Ce-137

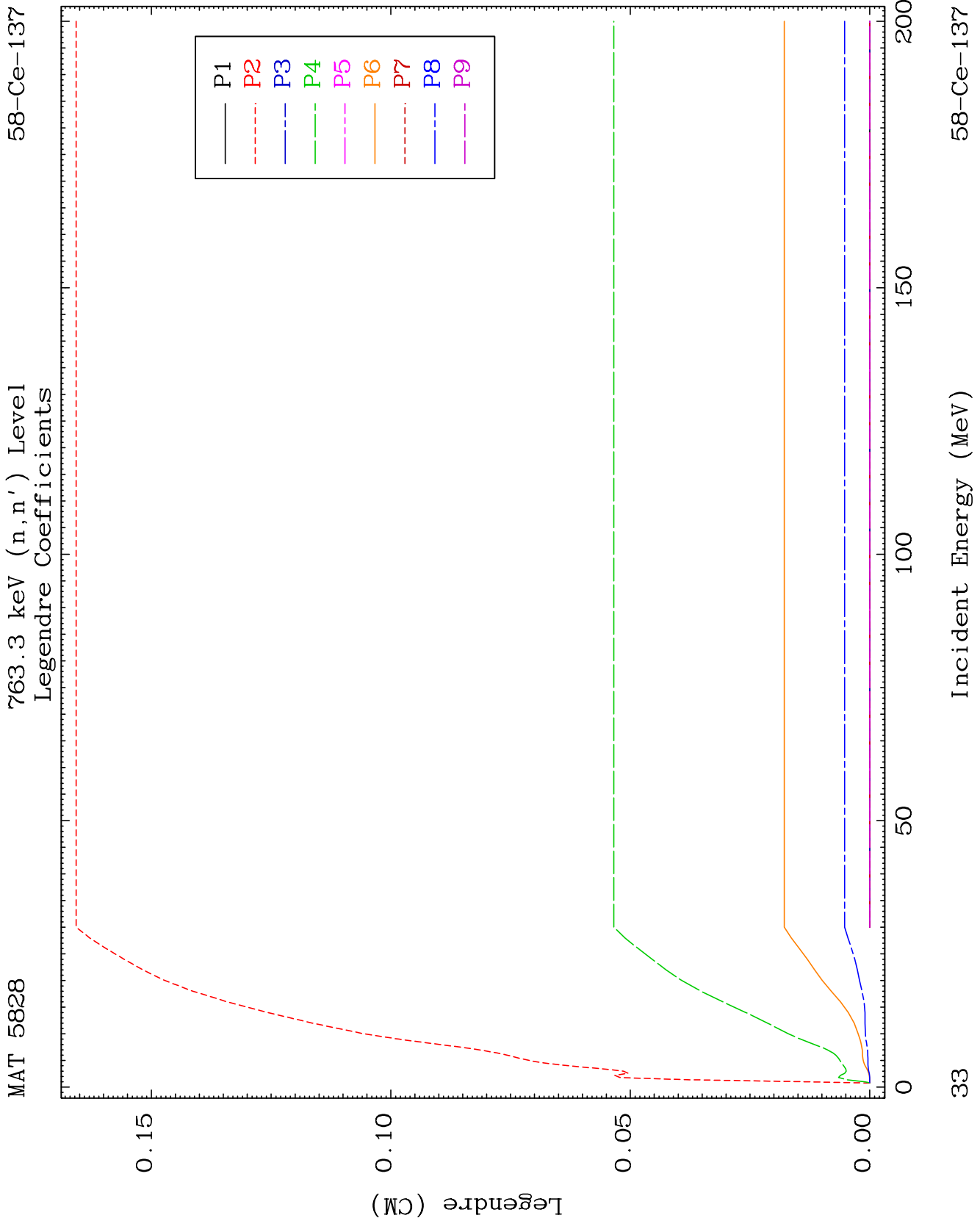


58-Ce-137

Incident Energy (MeV)

31

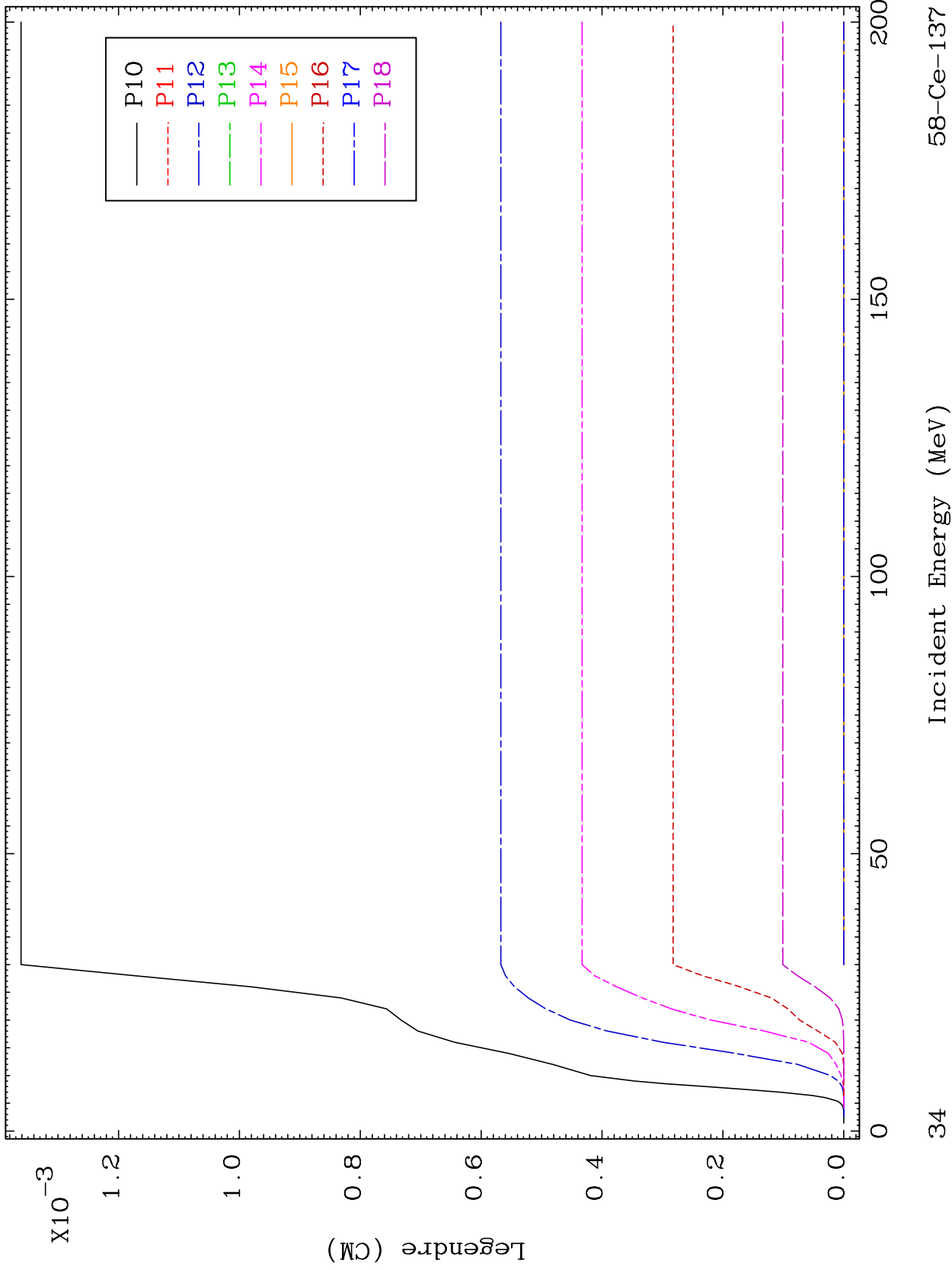


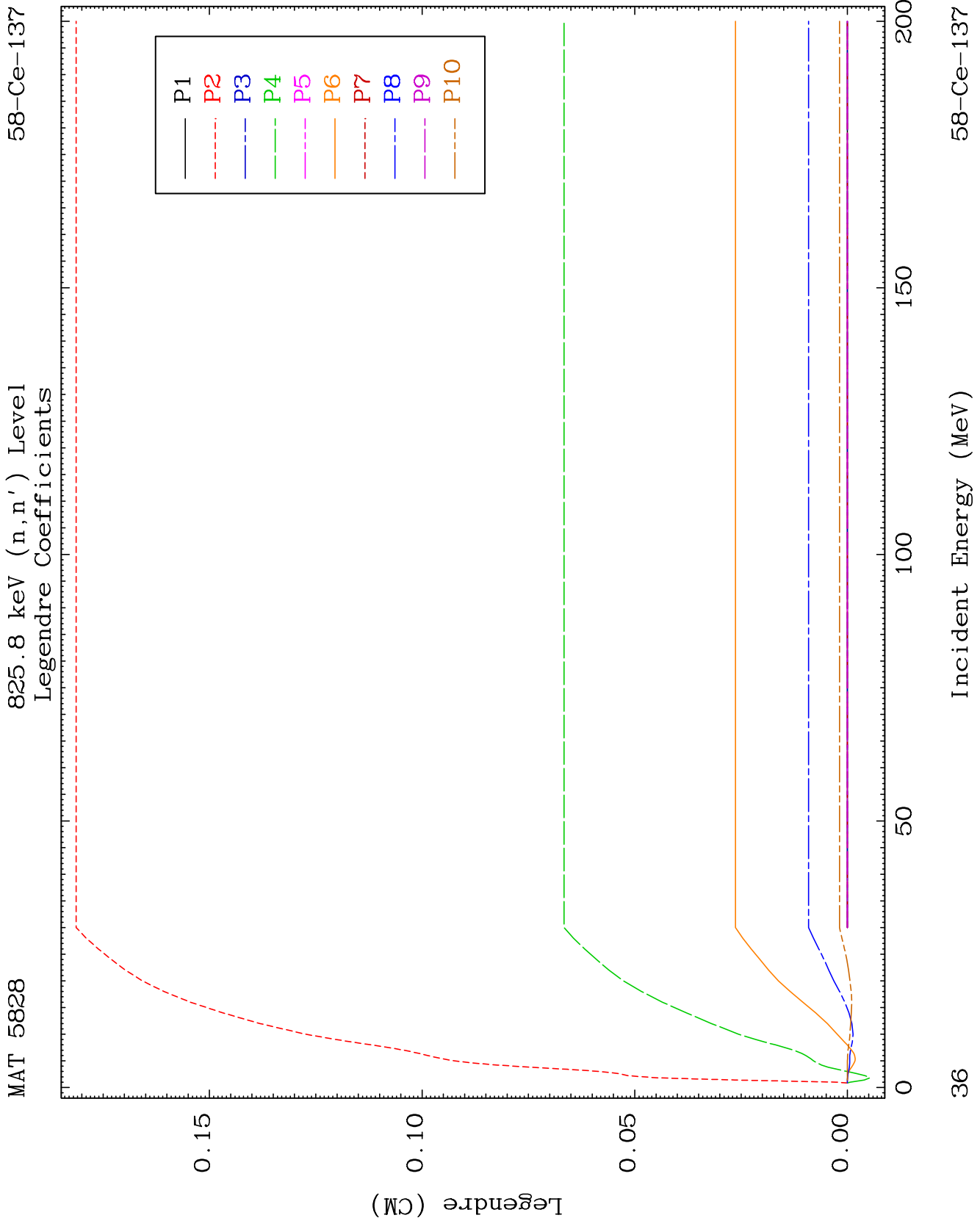


MAT 5828

763.3 keV (n,n') Level
Legendre Coefficients

58-Ce-137

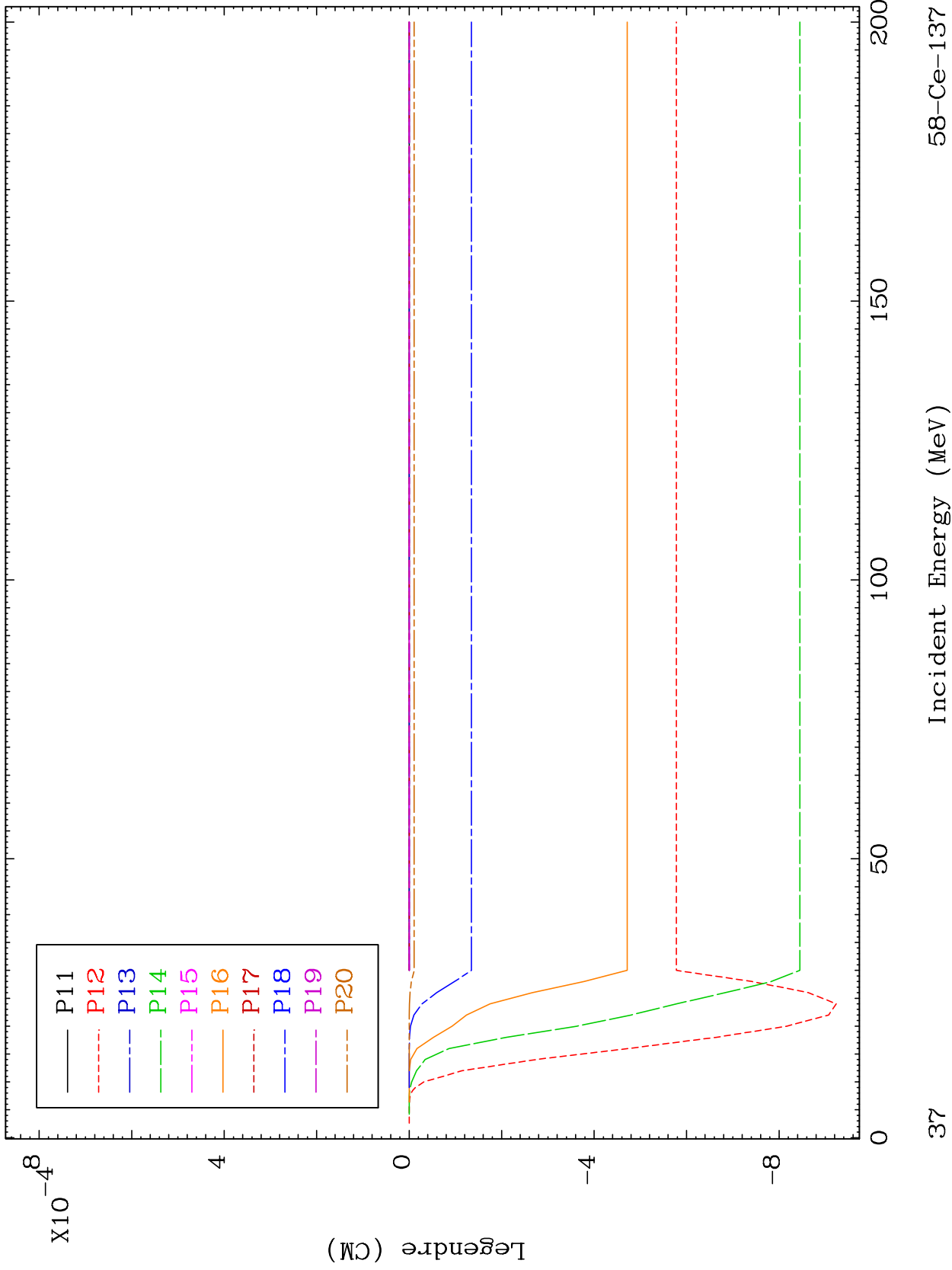


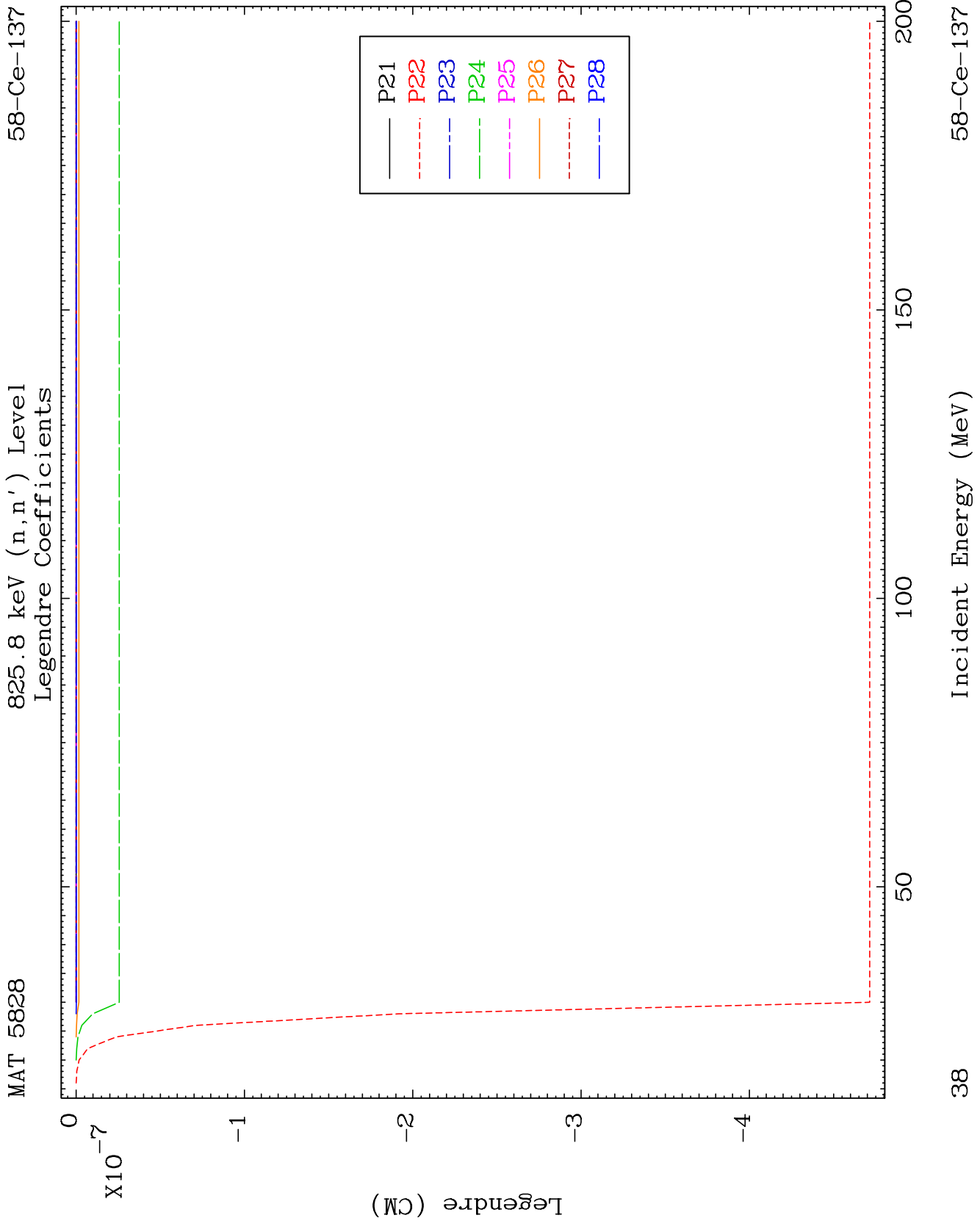


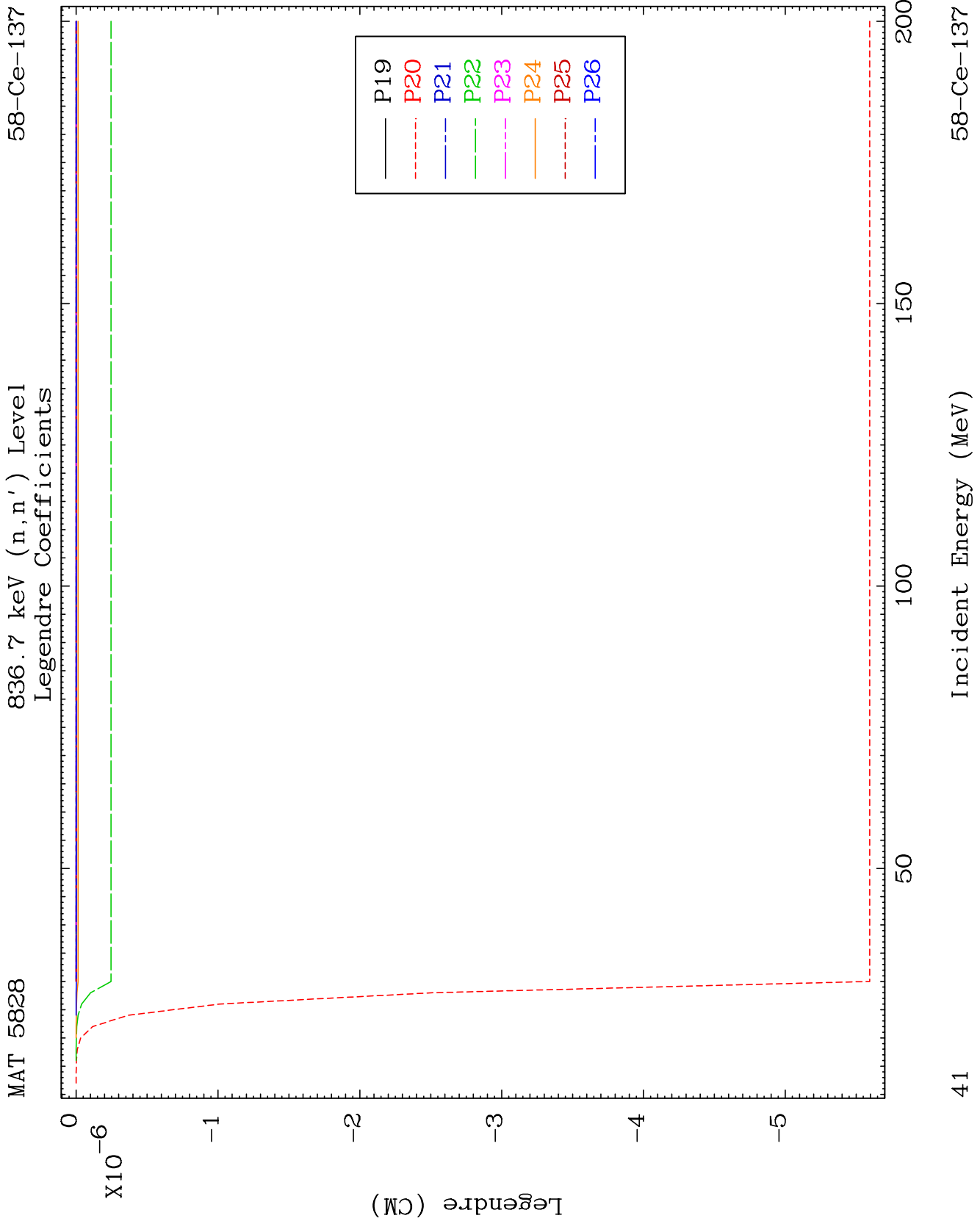
MAT 5828

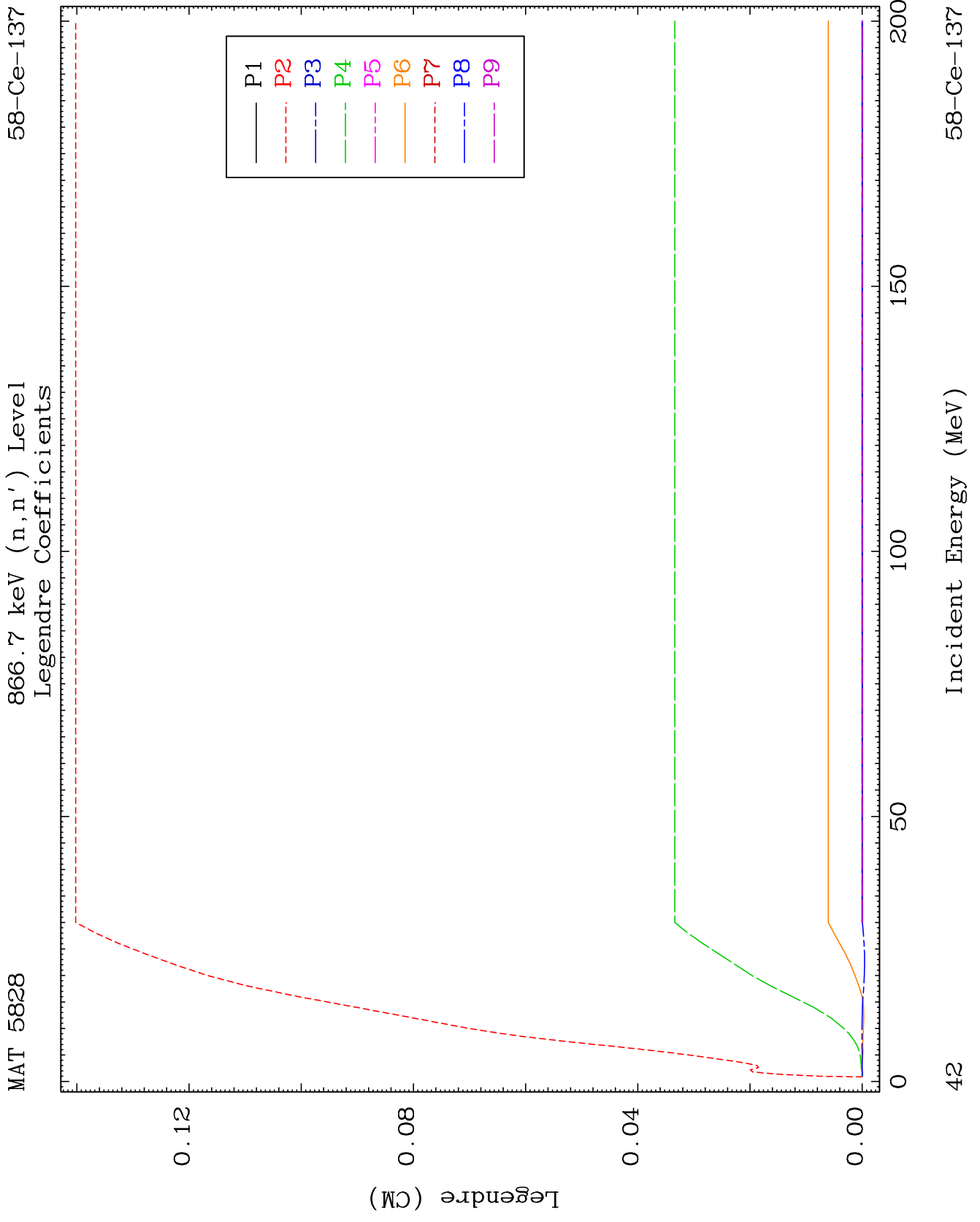
825.8 keV (n,n') Level
Legendre Coefficients

58-Ce-137





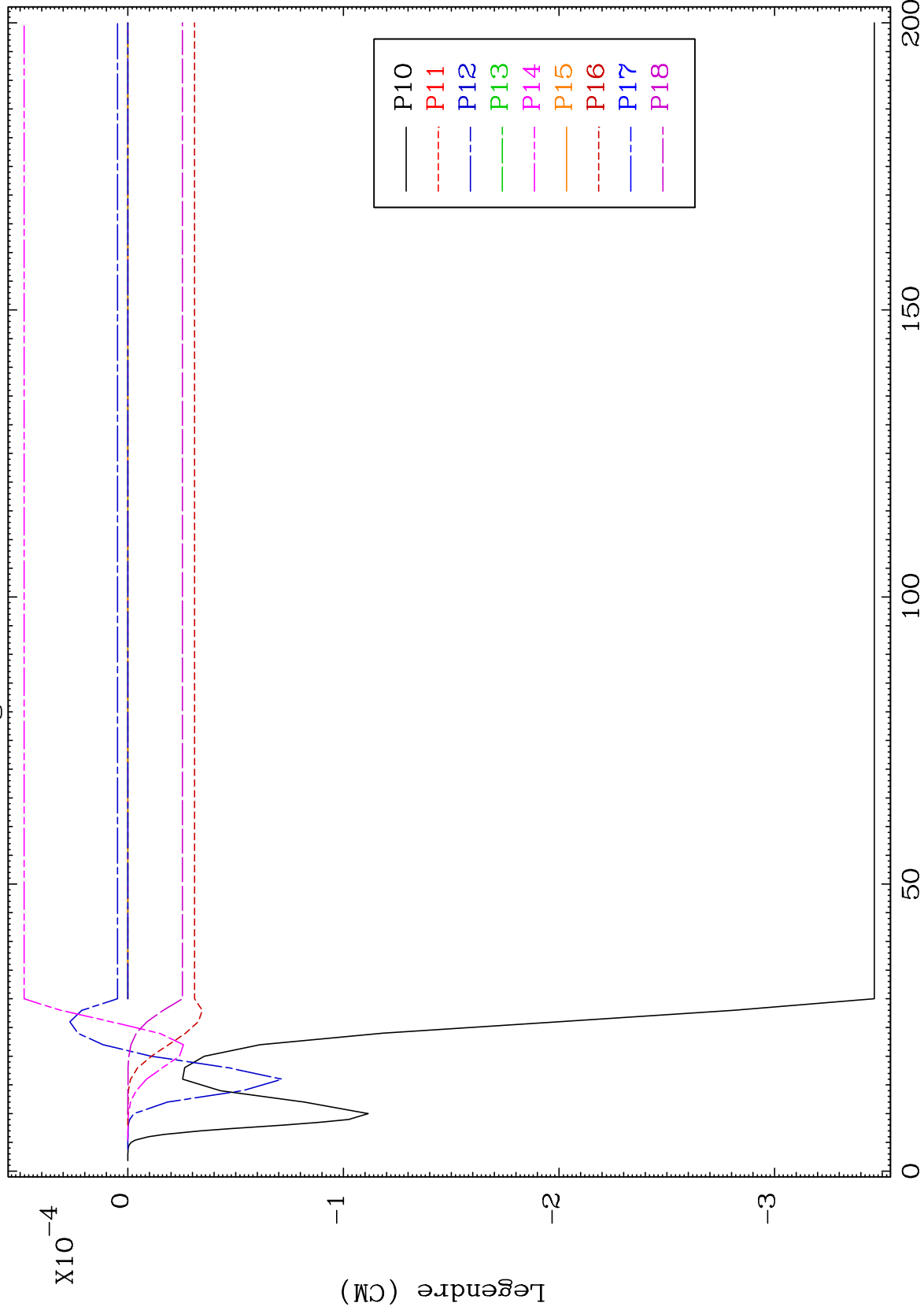




MAT 5828

866.7 keV (n,n') Level
Legendre Coefficients

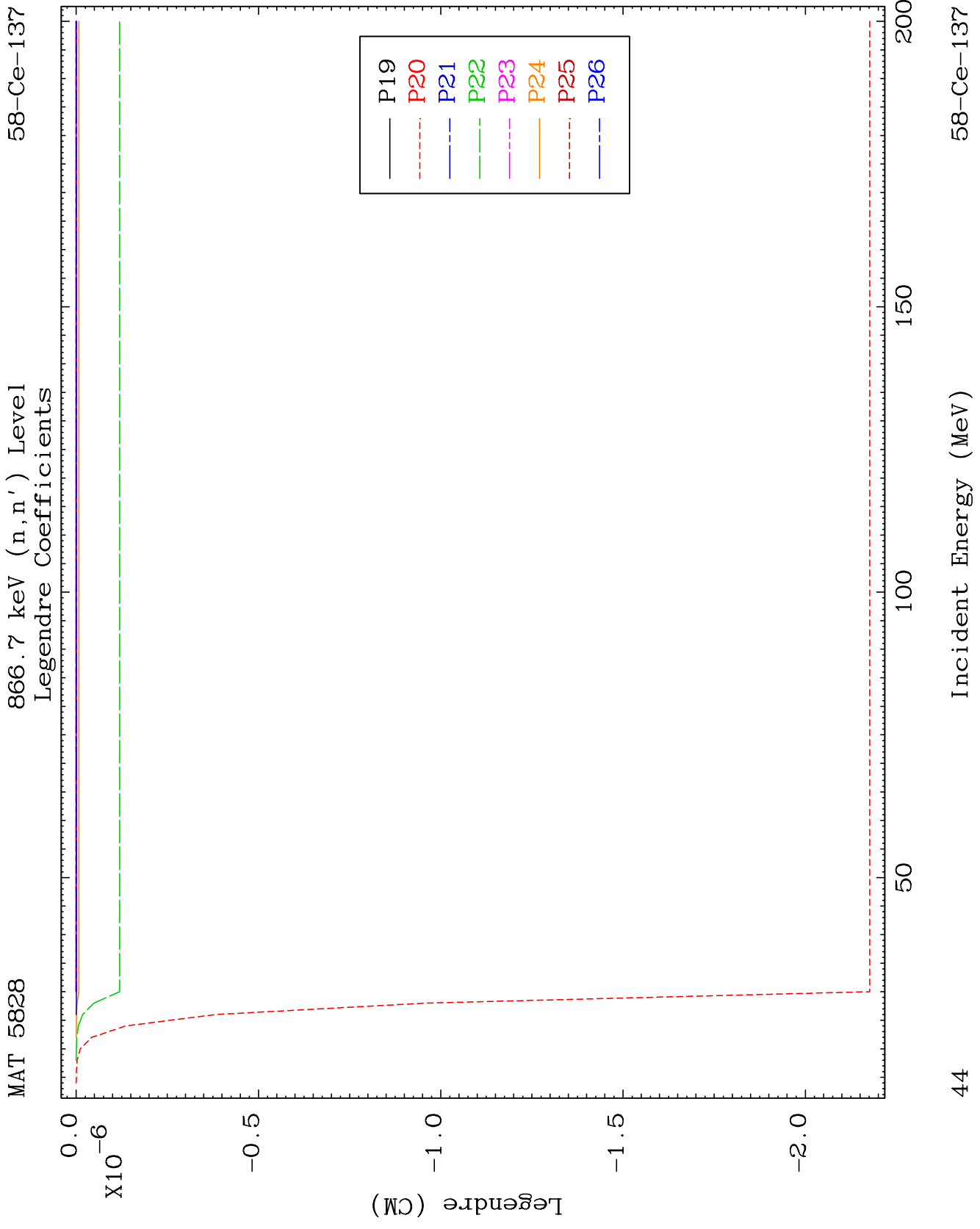
58-Ce-137



43

Incident Energy (MeV)

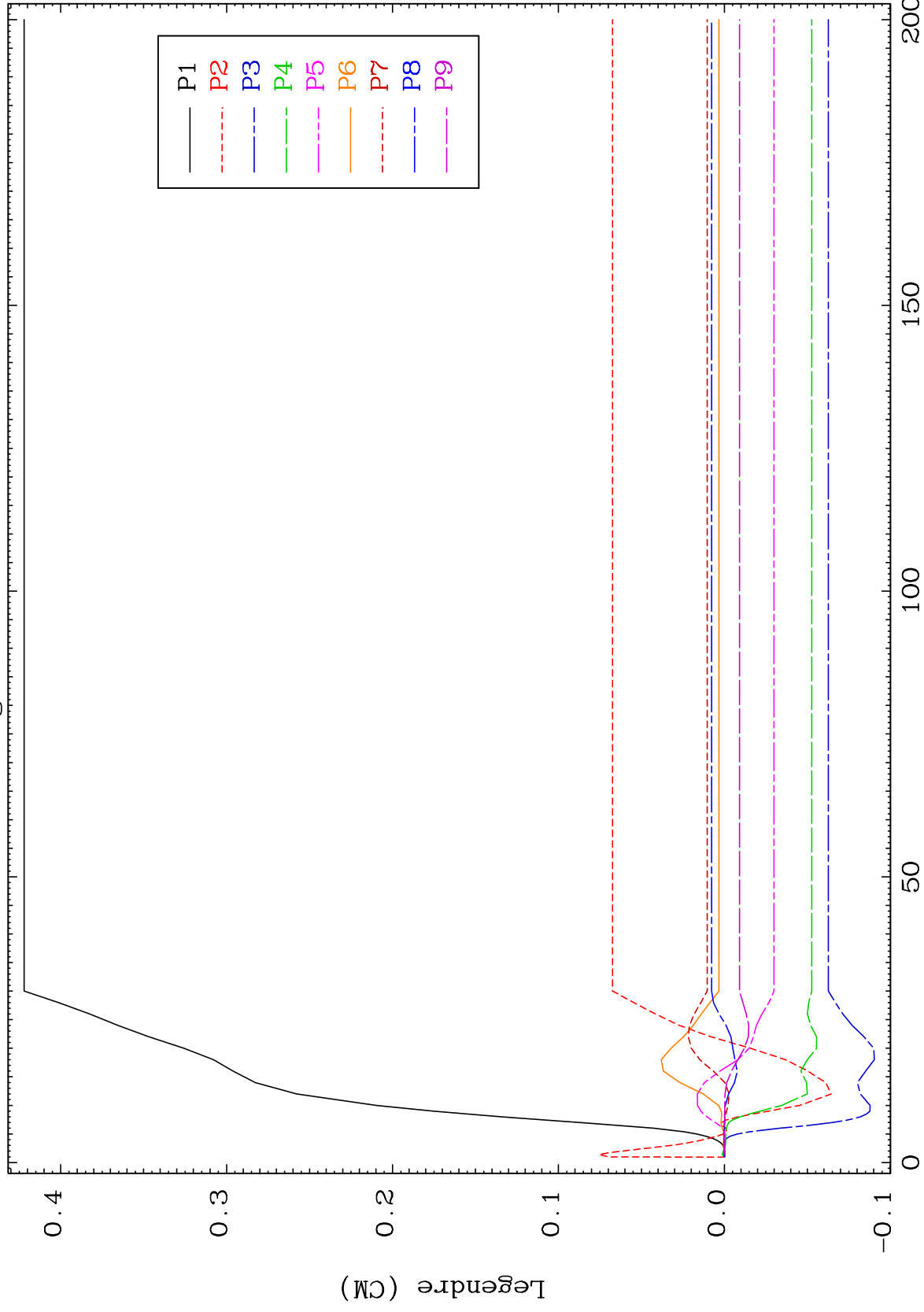
58-Ce-137



MAT 5828

927.7 keV (n,n') Level
Legendre Coefficients

58-Ce-137



45

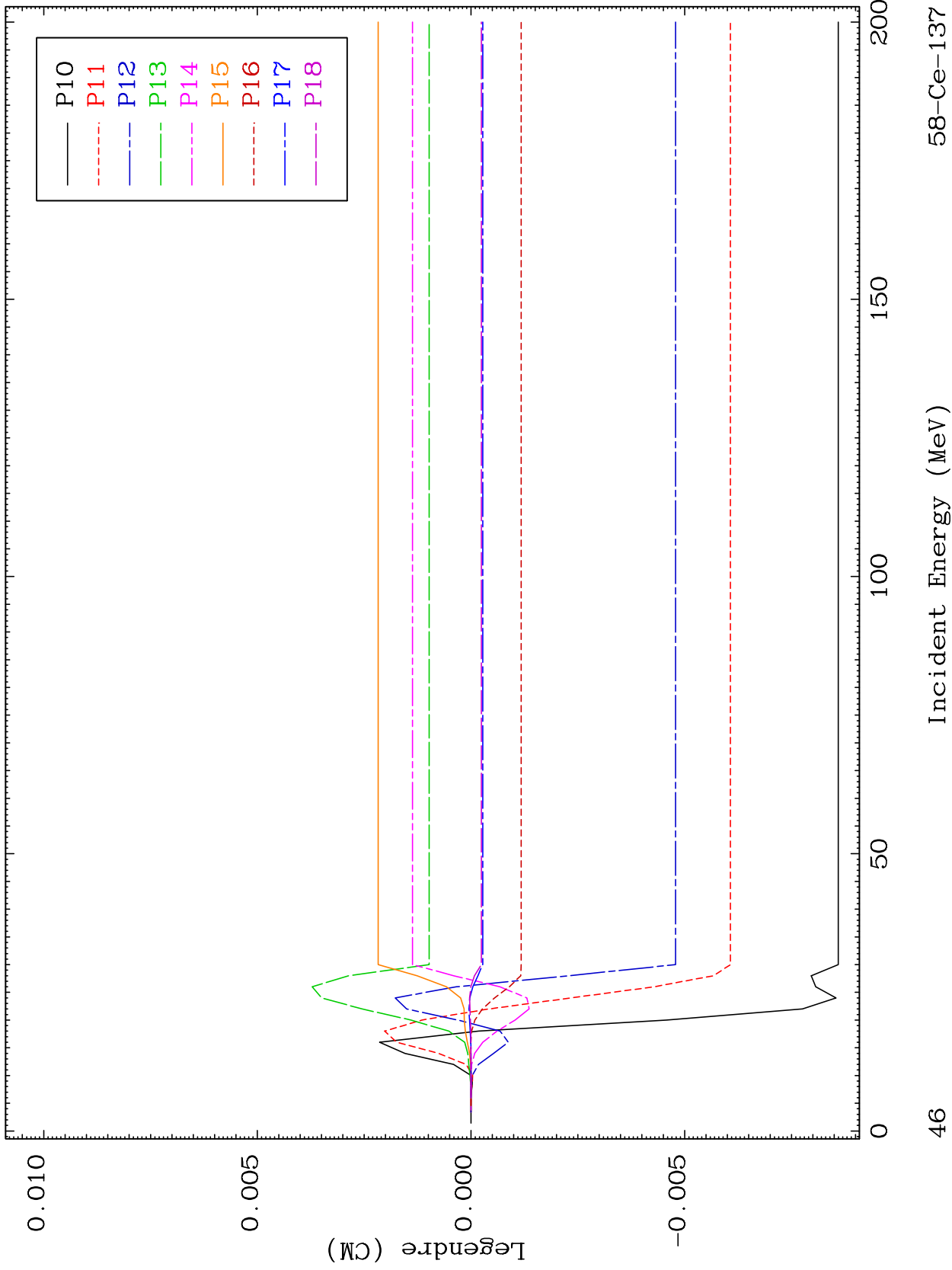
Incident Energy (MeV)

58-Ce-137

MAT 5828

927.7 keV (n,n') Level
Legendre Coefficients

58-Ce-137



46

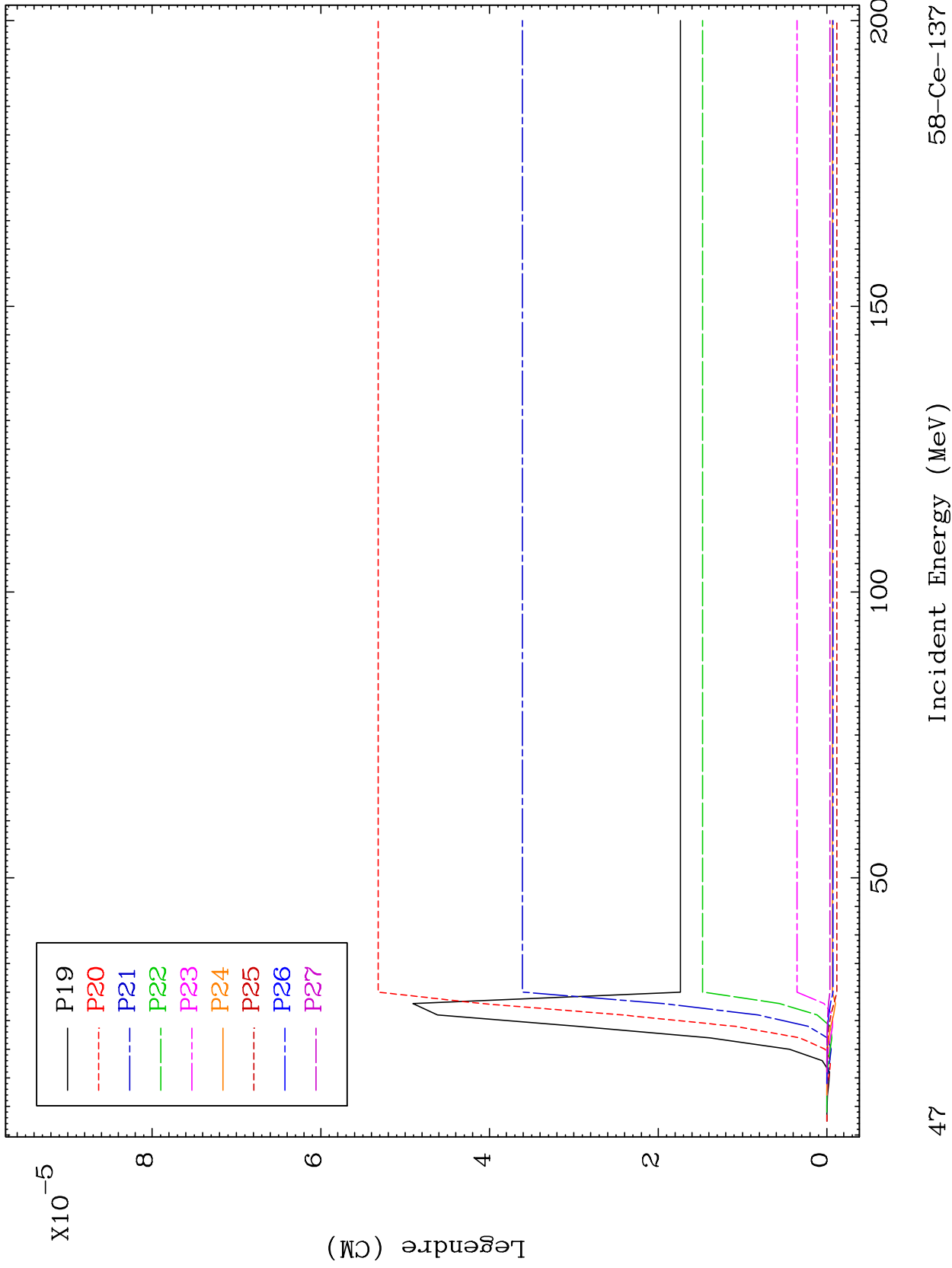
Incident Energy (MeV)

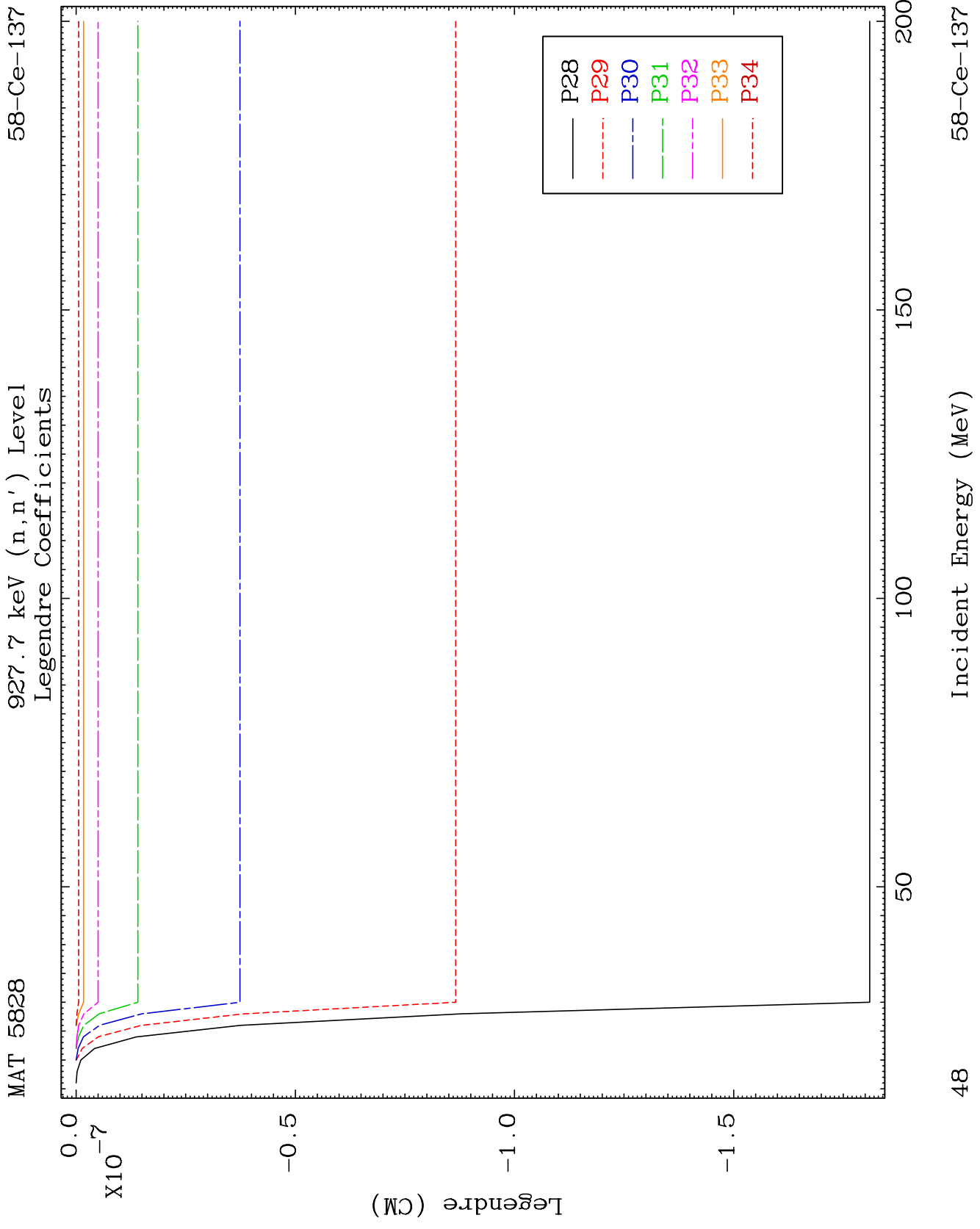
58-Ce-137

MAT 5828

927.7 keV (n,n') Level
Legendre Coefficients

58-Ce-137

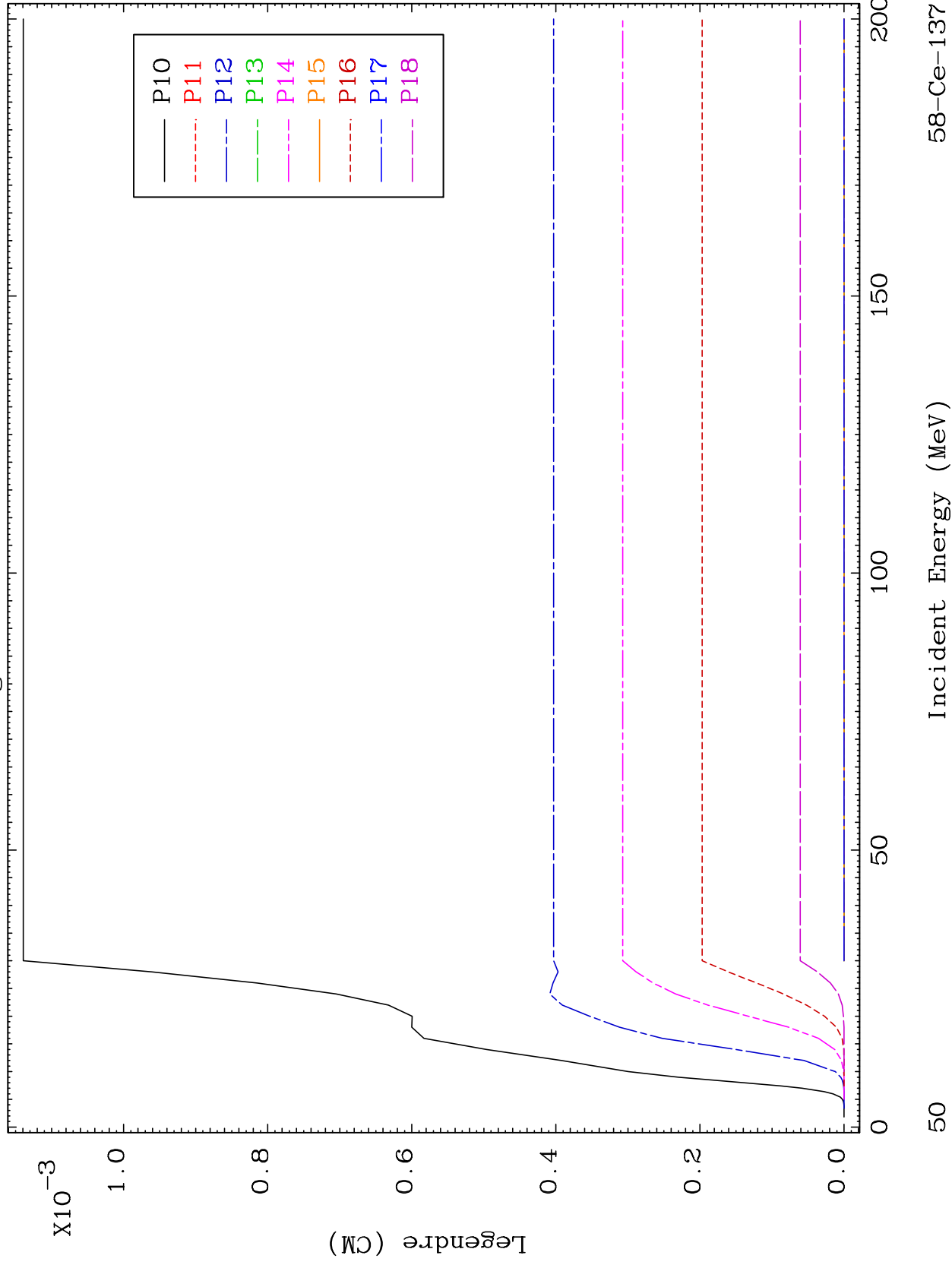




MAT 5828

1.105 MeV (n,n') Level
Legendre Coefficients

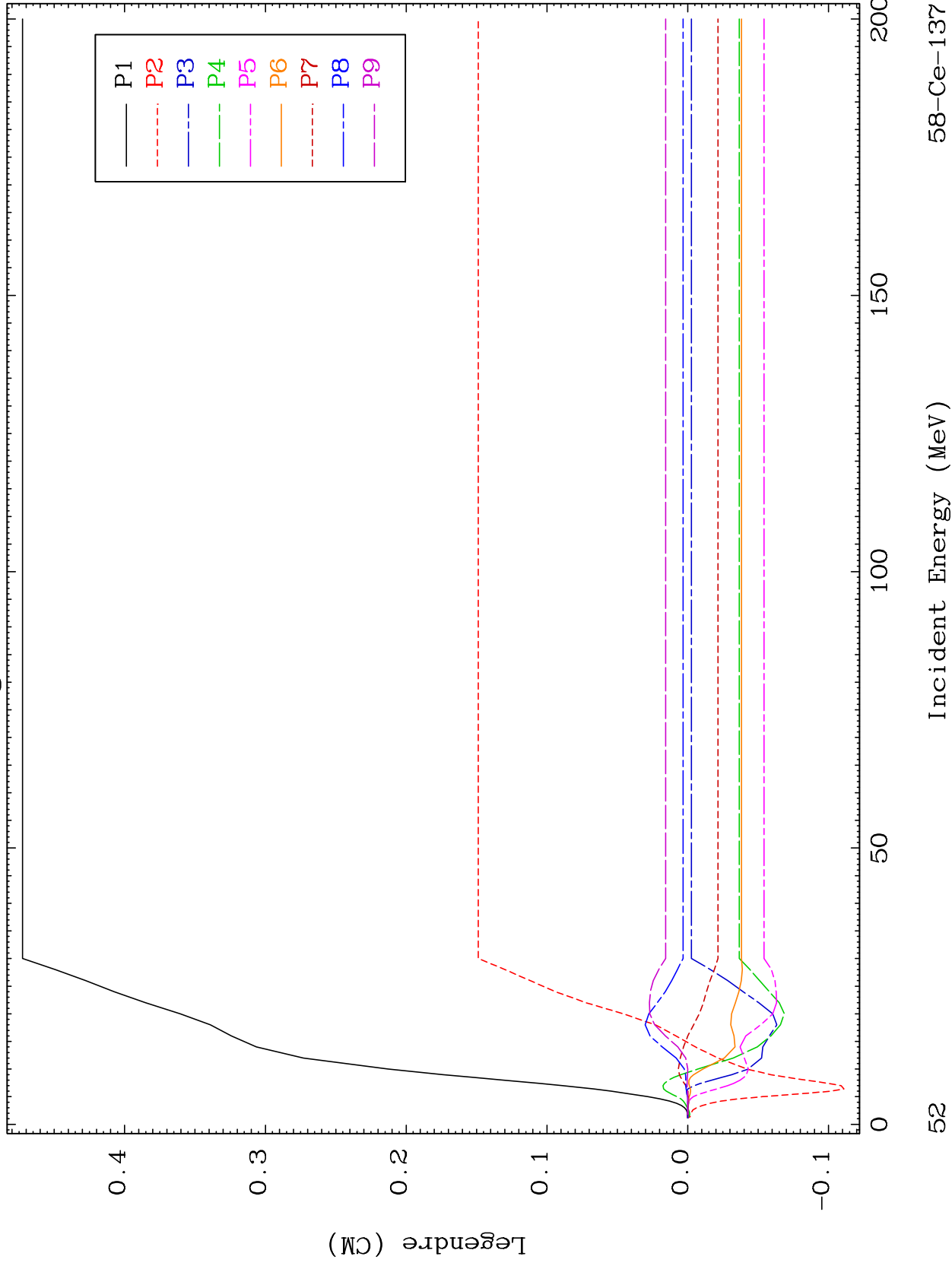
58-Ce-137



MAT 5828

1.144 MeV (n,n') Level
Legendre Coefficients

58-Ce-137



58-Ce-137

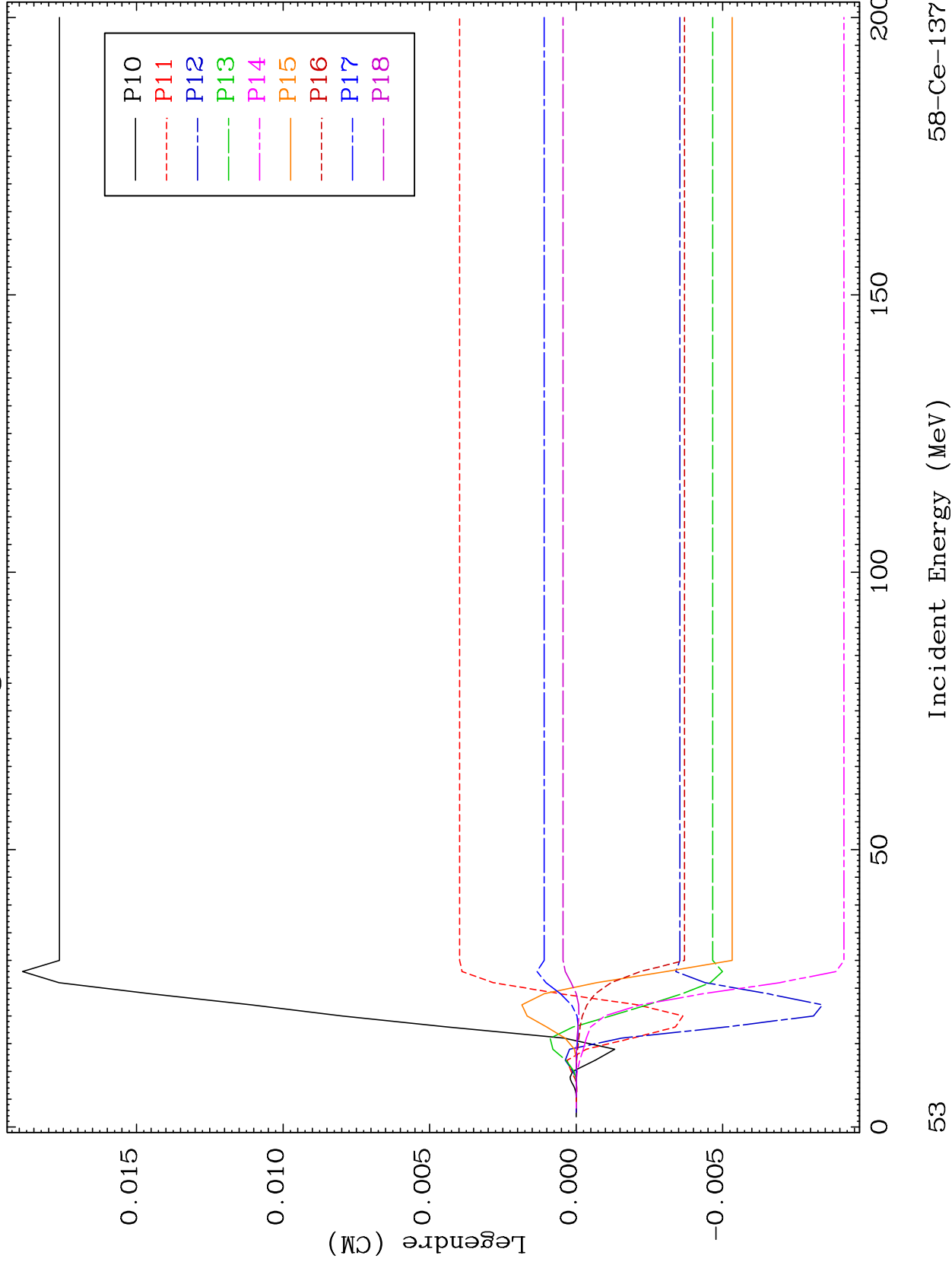
Incident Energy (MeV)

52

MAT 5828

1.144 MeV (n,n') Level
Legendre Coefficients

58-Ce-137



58-Ce-137

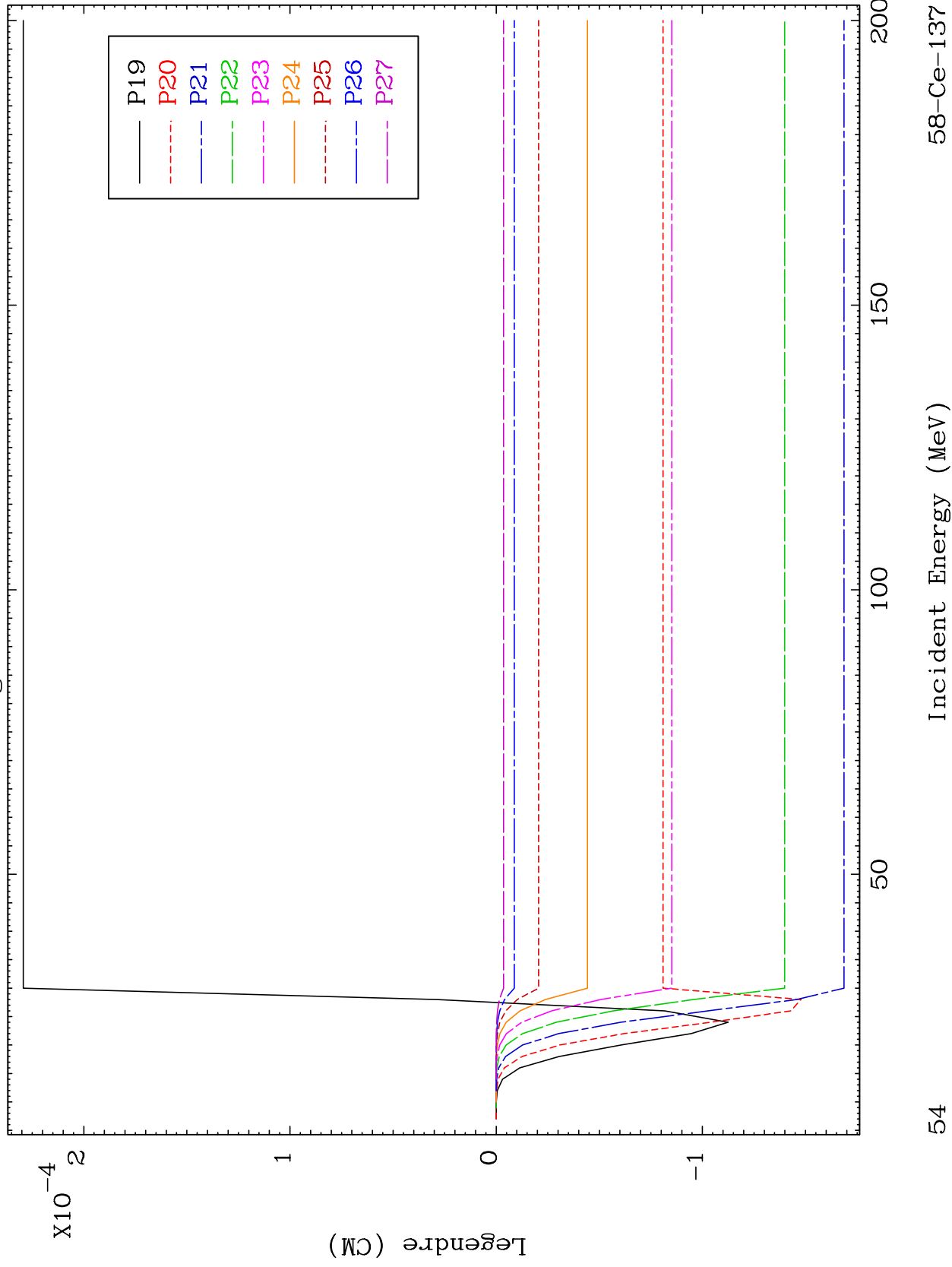
Incident Energy (MeV)

53

MAT 5828

1.144 MeV (n,n') Level
Legendre Coefficients

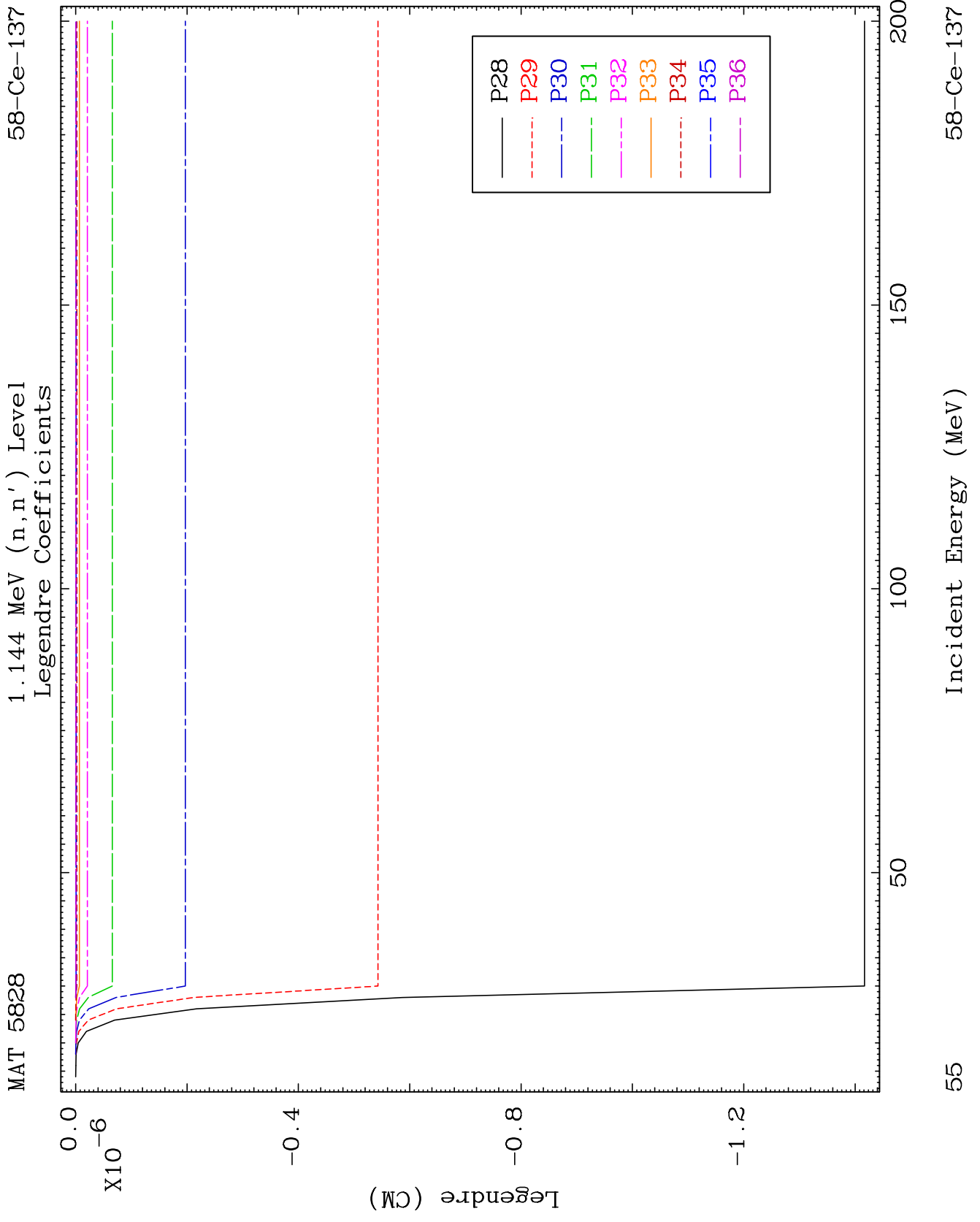
58-Ce-137



54

Incident Energy (MeV)

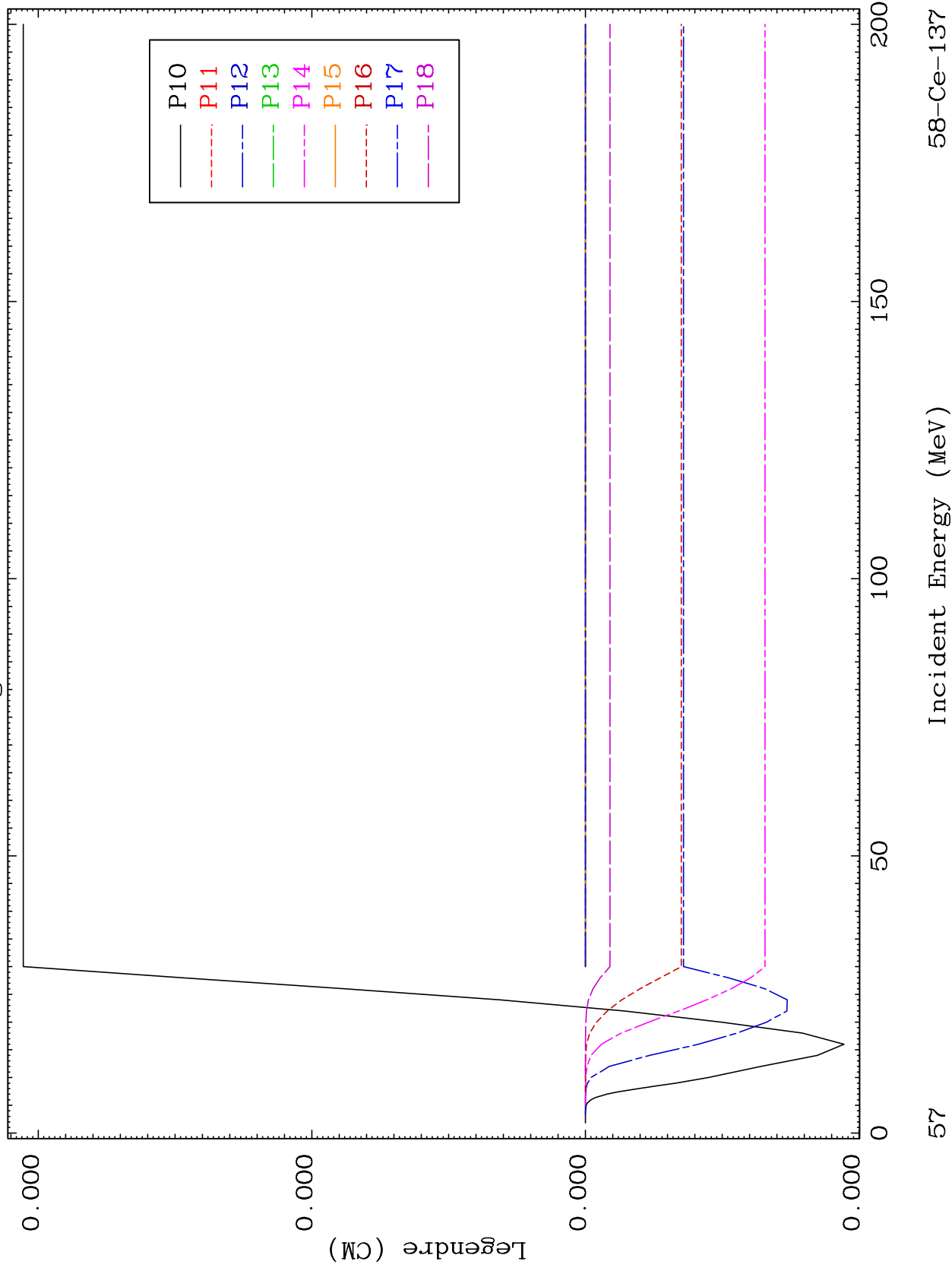
58-Ce-137



MAT 5828

1.147 MeV (n,n') Level
Legendre Coefficients

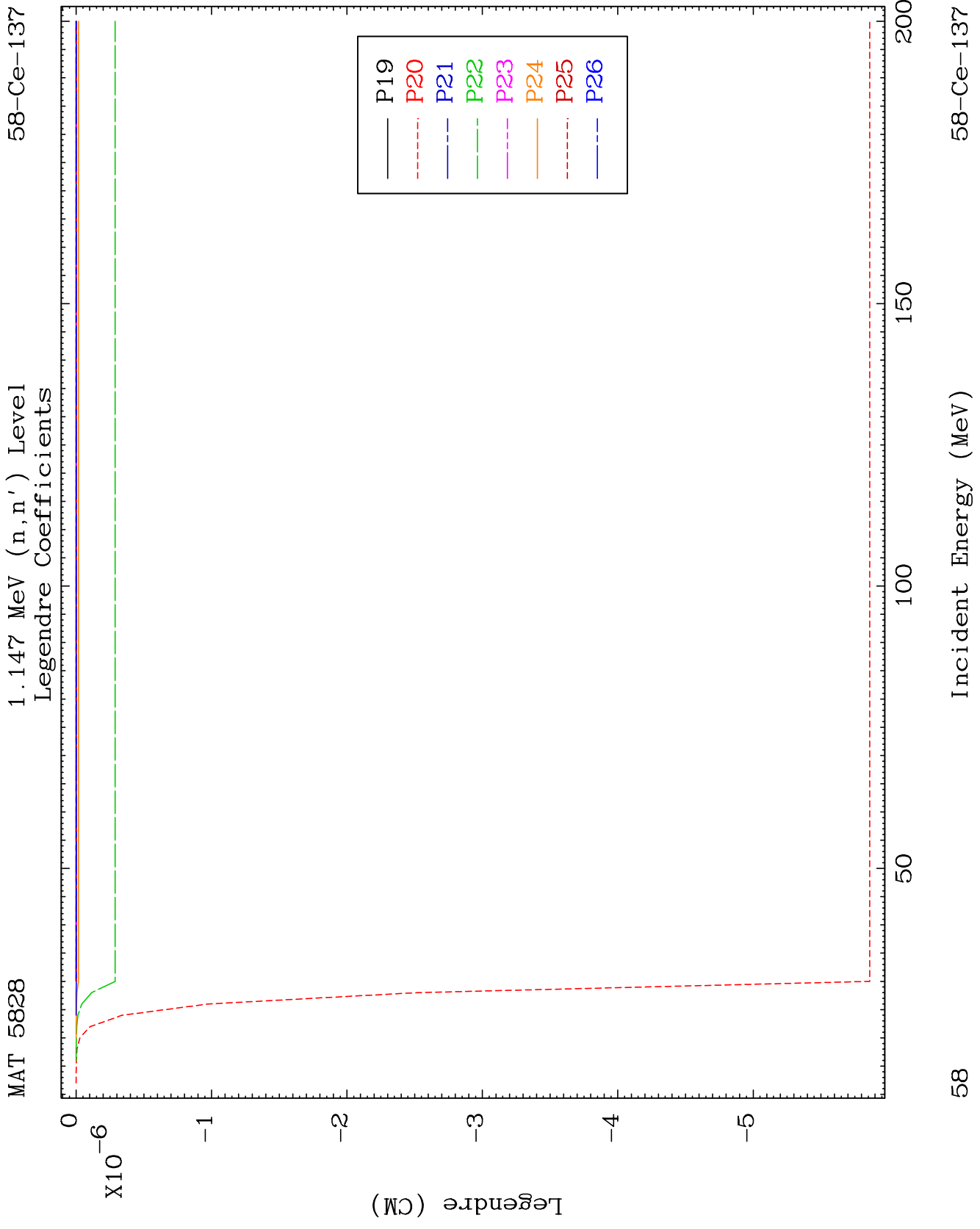
58-Ce-137

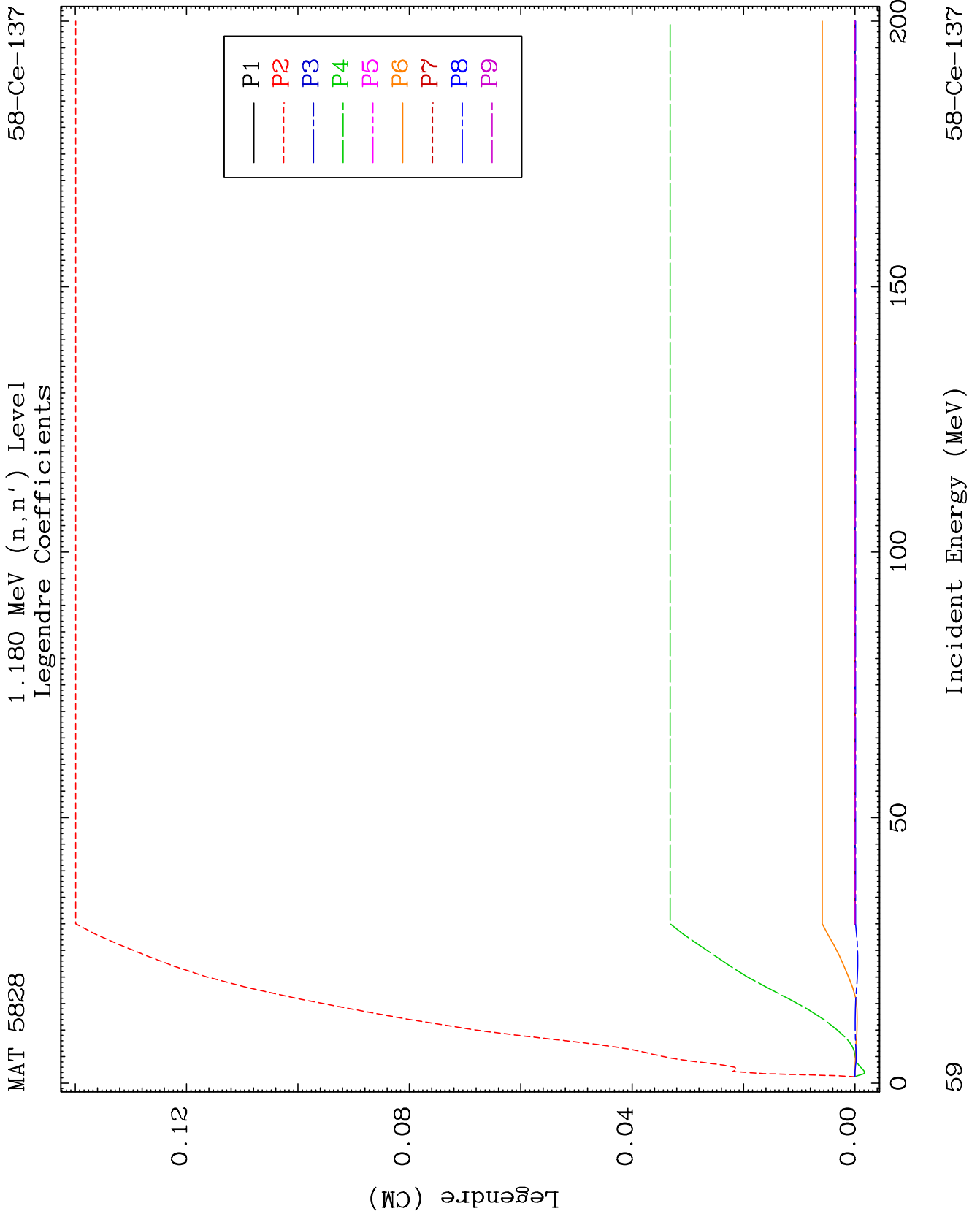


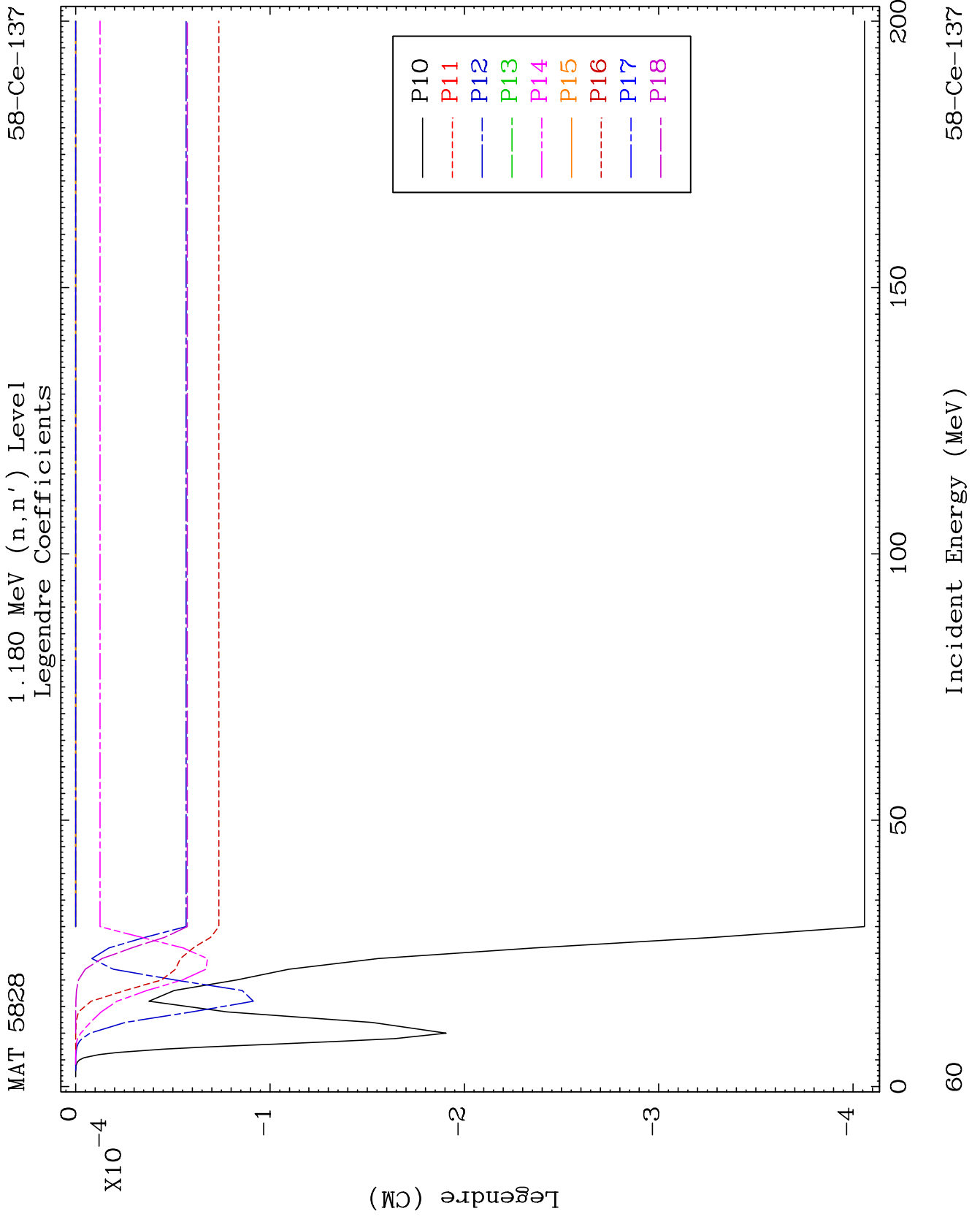
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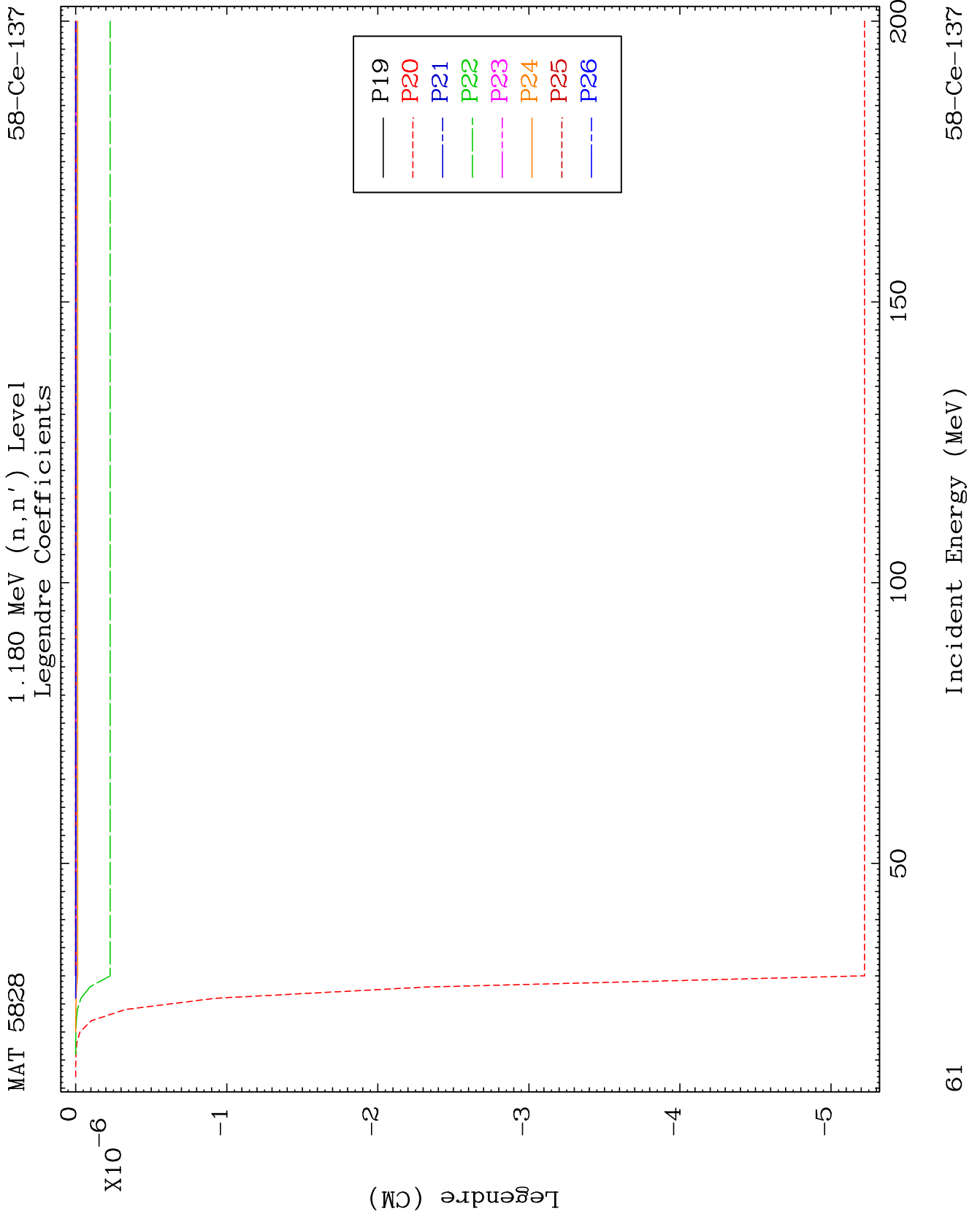
Incident Energy (MeV)

58-Ce-137





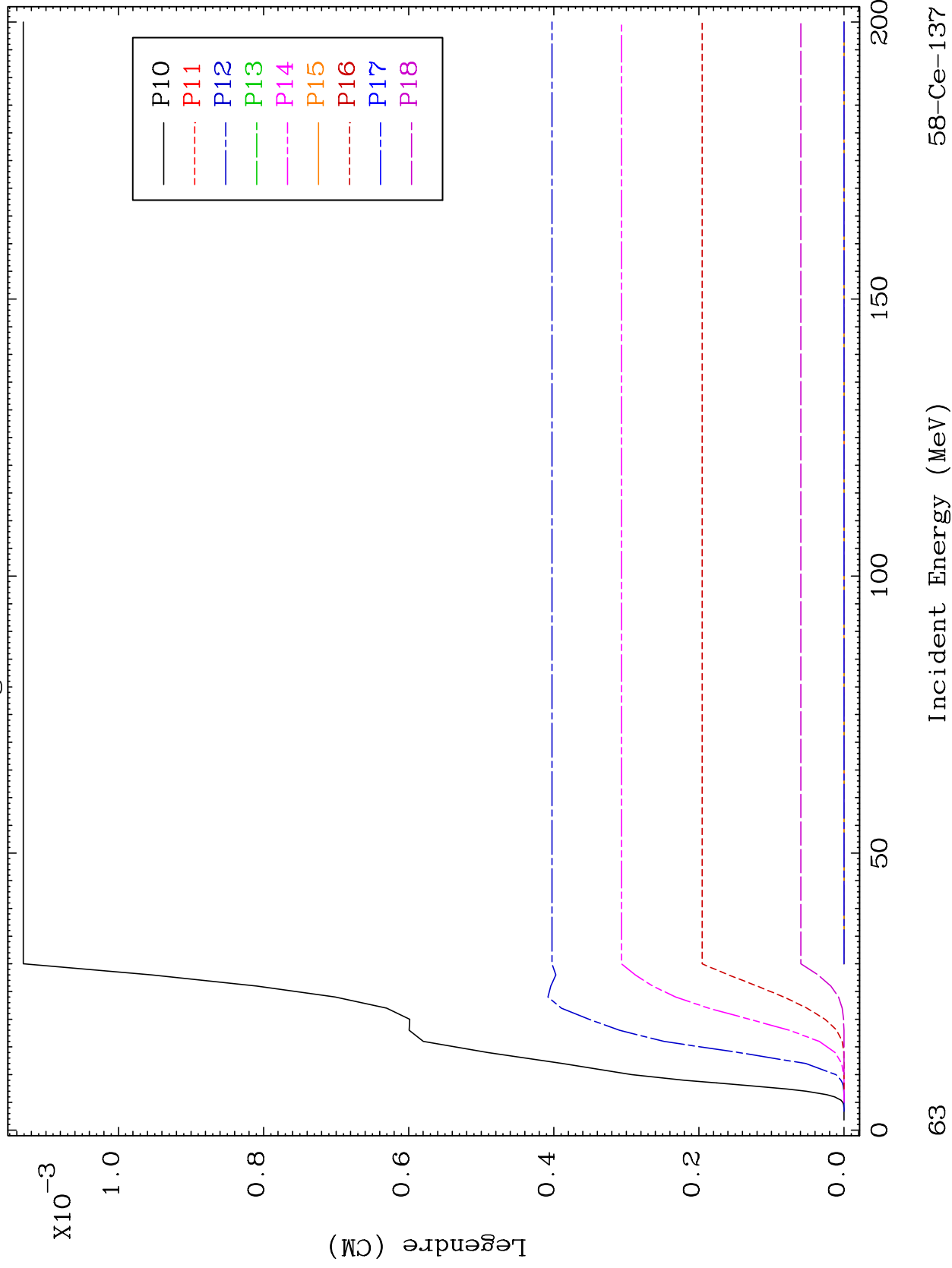


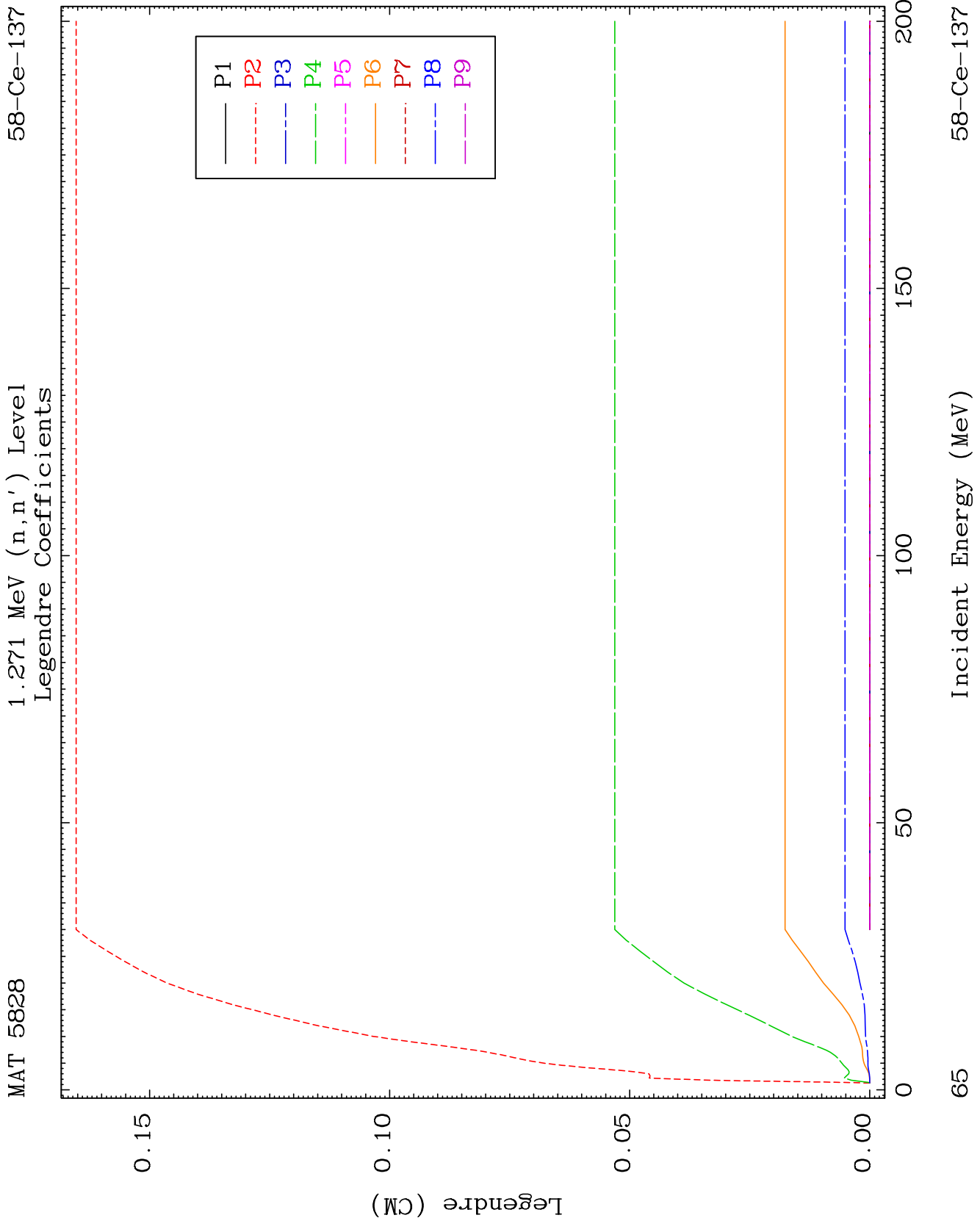


MAT 5828

1.259 MeV (n,n') Level
Legendre Coefficients

58-Ce-137

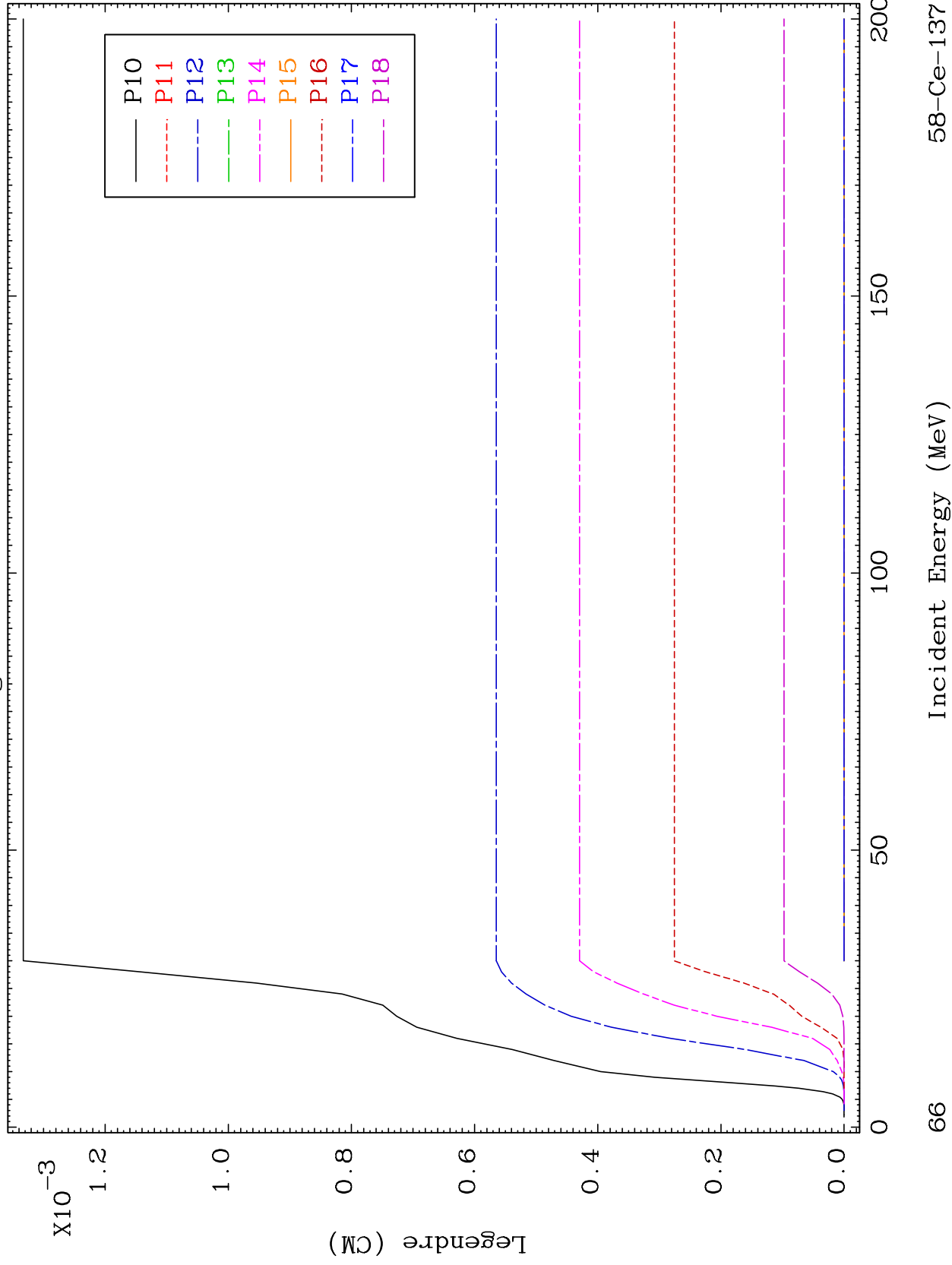




MAT 5828

1.271 MeV (n,n') Level
Legendre Coefficients

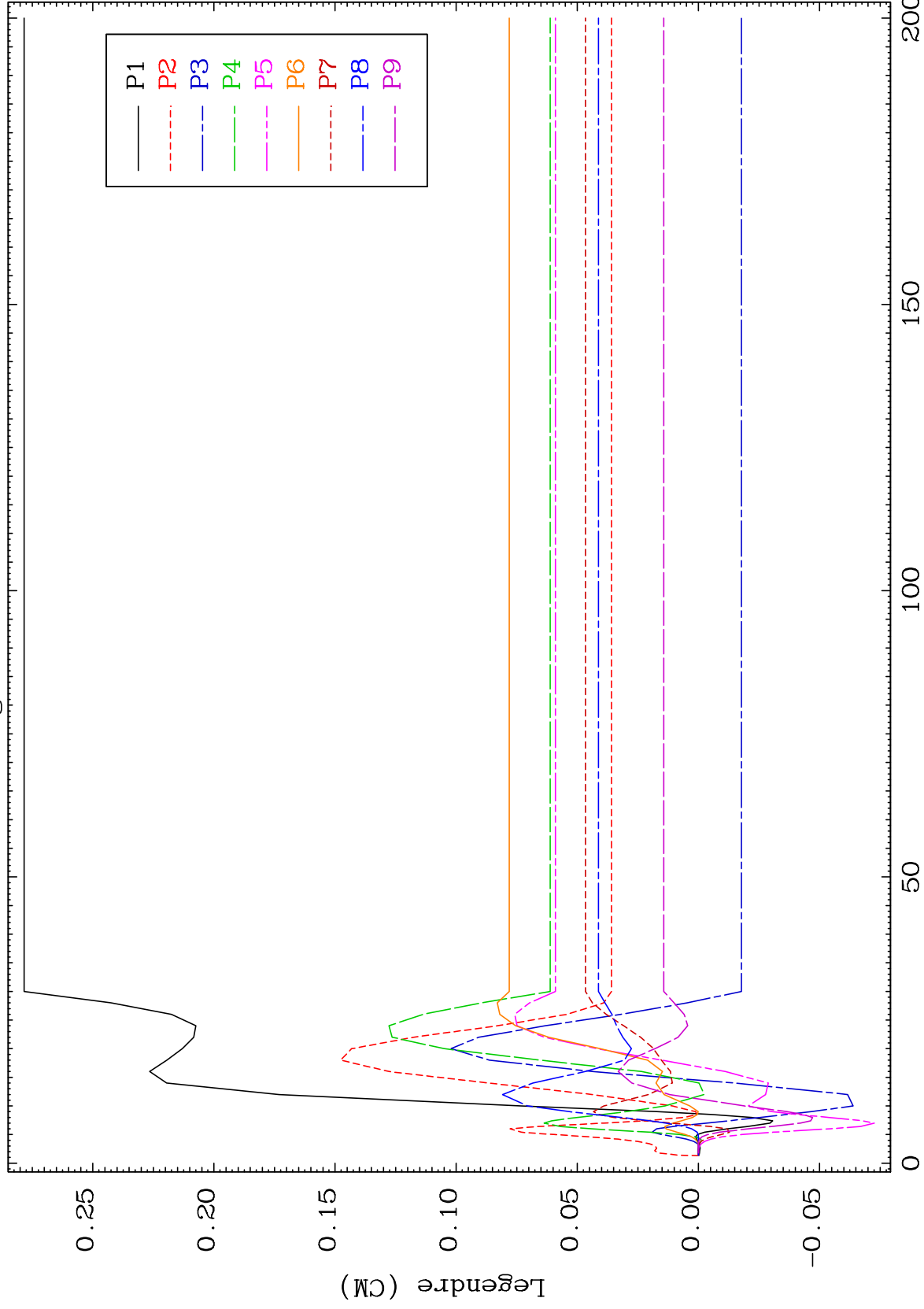
58-Ce-137



MAT 5828

1.289 MeV (n,n') Level
Legendre Coefficients

58-Ce-137



58-Ce-137

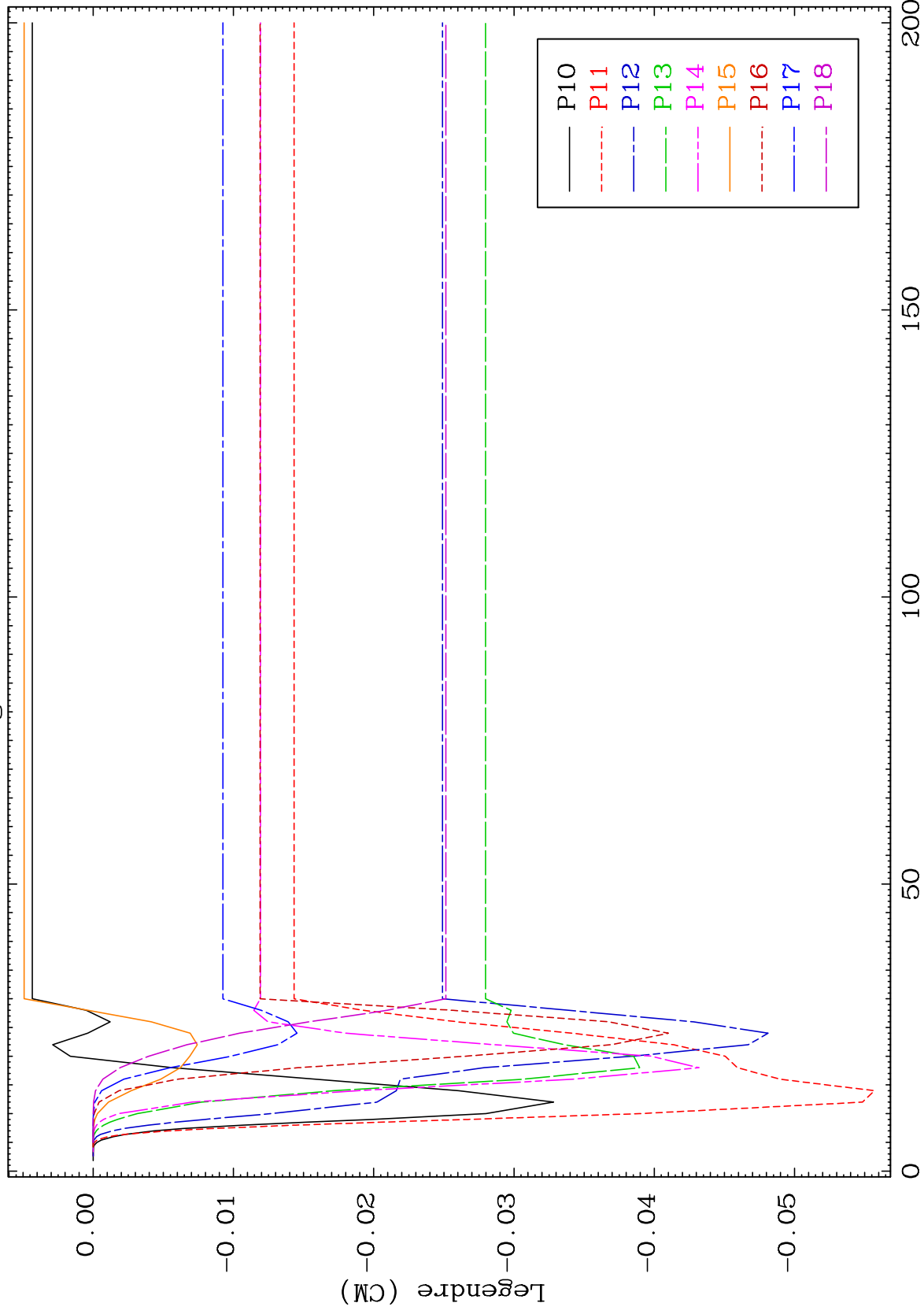
Incident Energy (MeV)

68

MAT 5828

1.289 MeV (n,n') Level
Legendre Coefficients

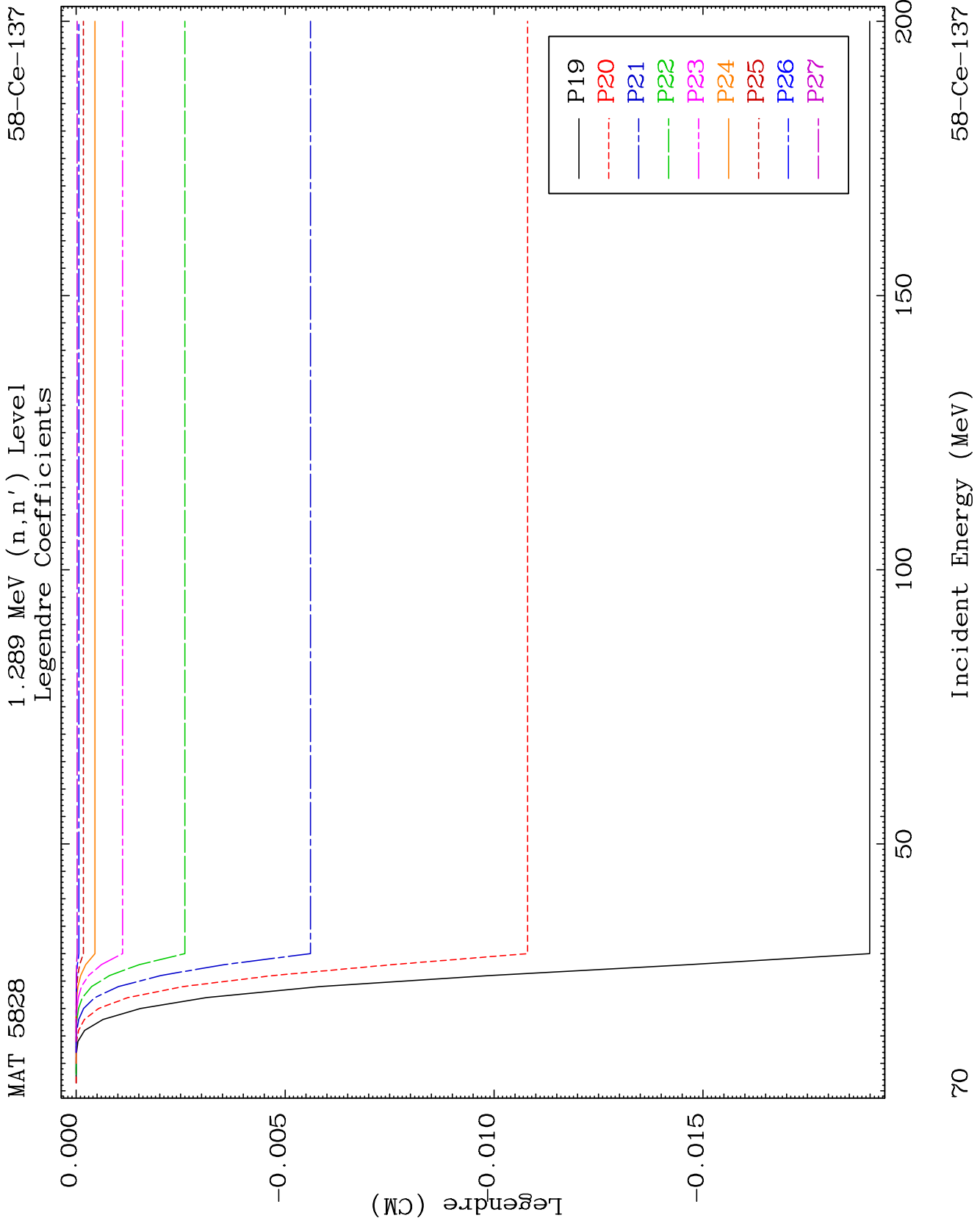
58-Ce-137

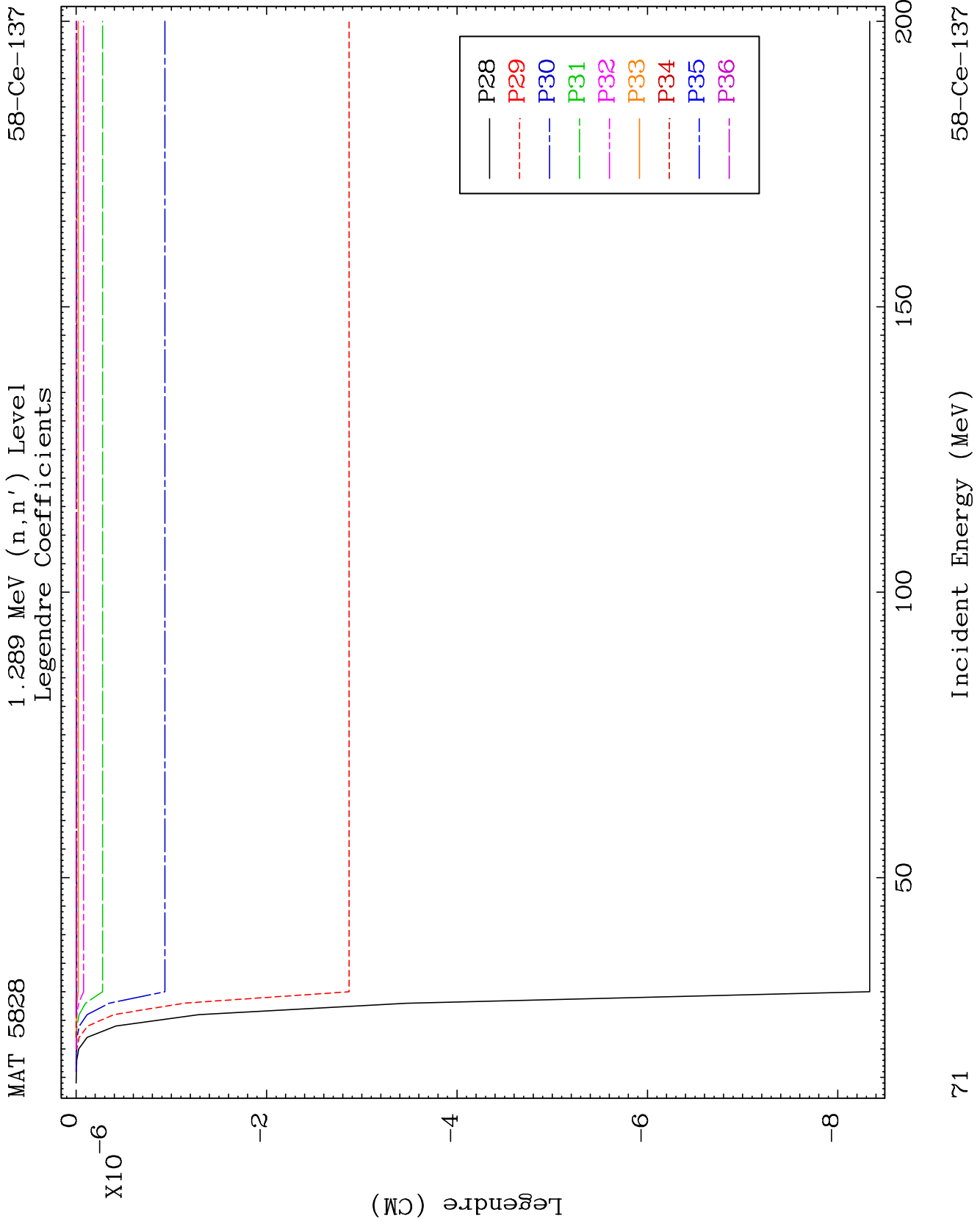


69

Incident Energy (MeV)

58-Ce-137

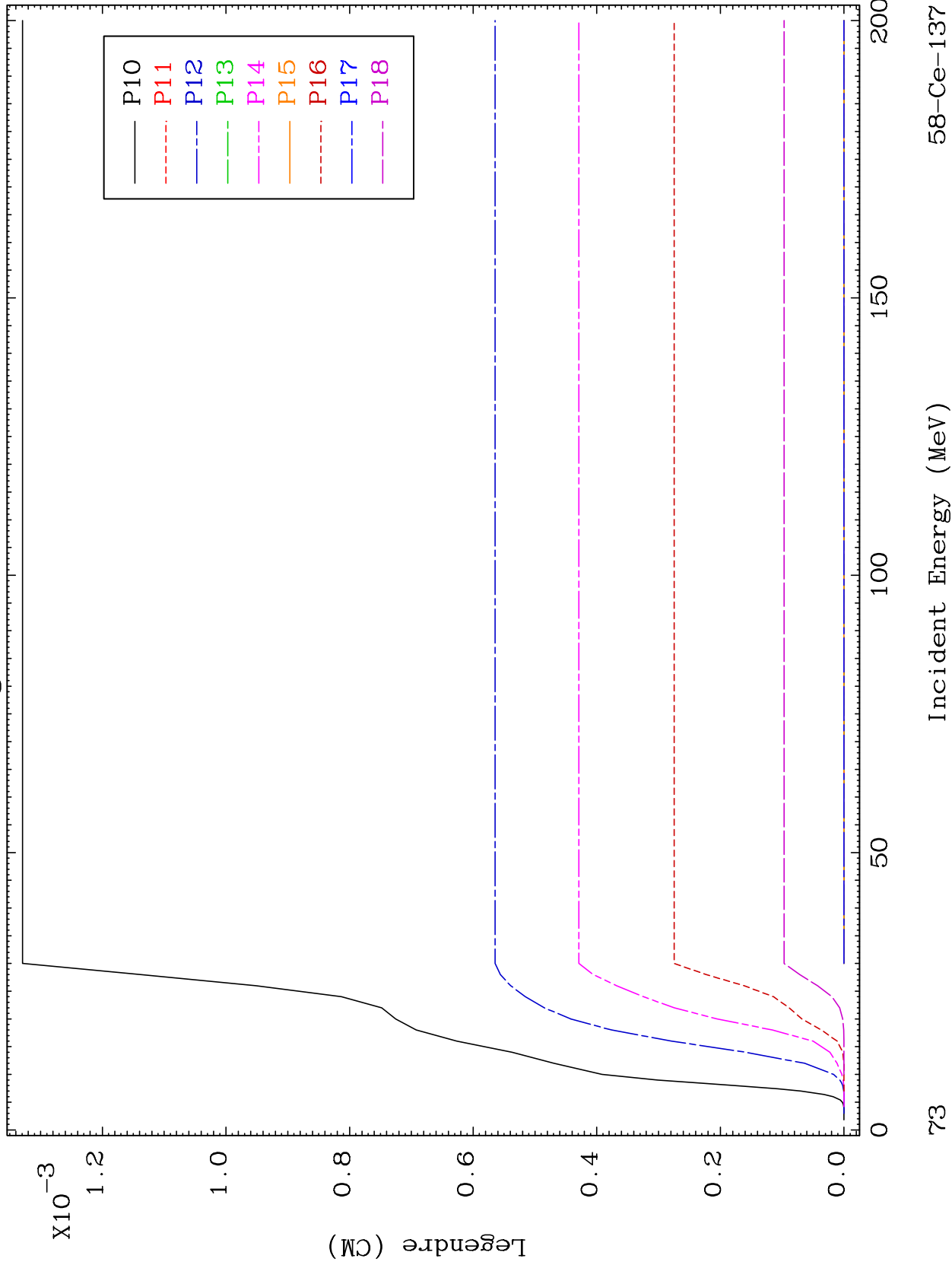


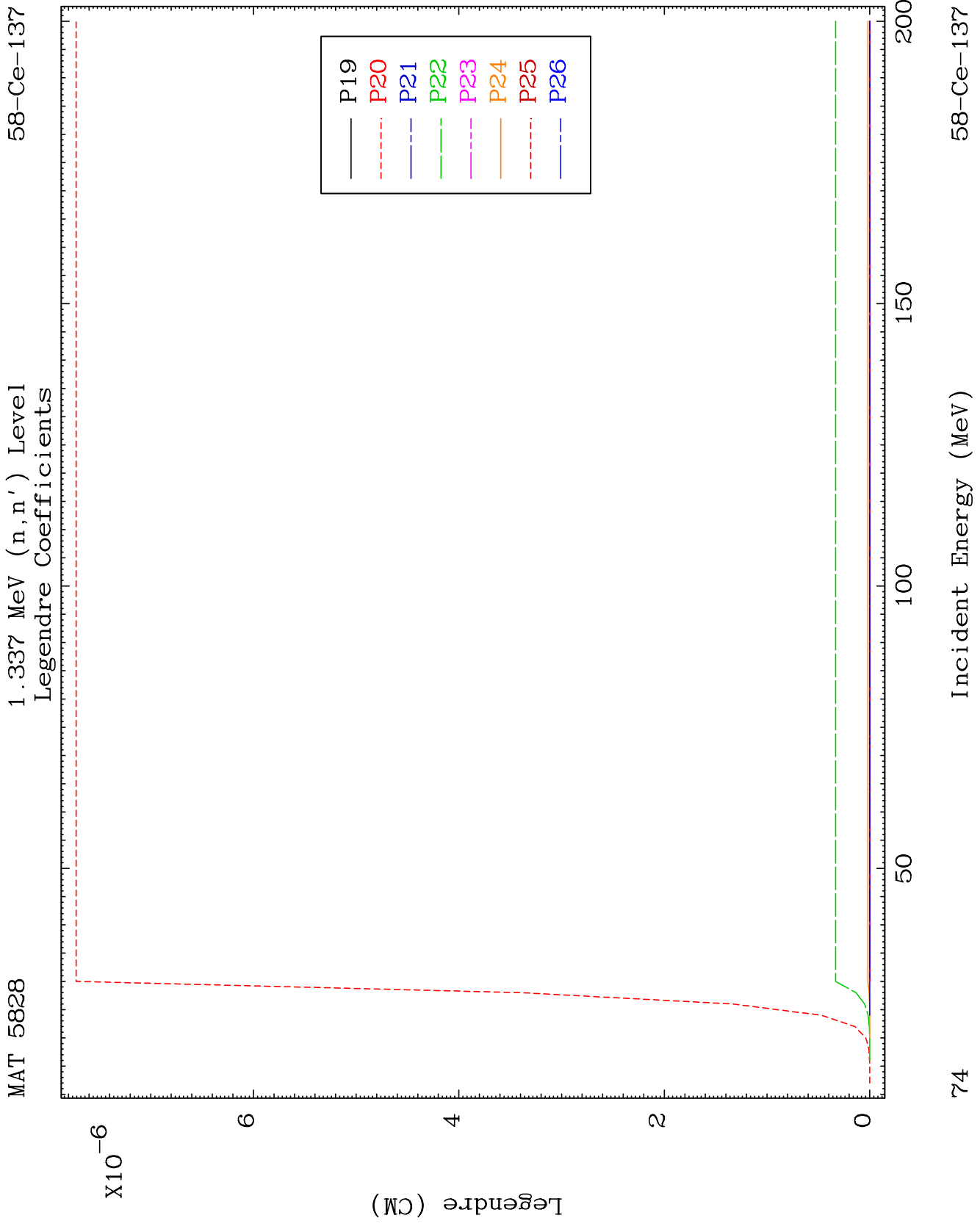


MAT 5828

1.337 MeV (n,n') Level
Legendre Coefficients

58-Ce-137

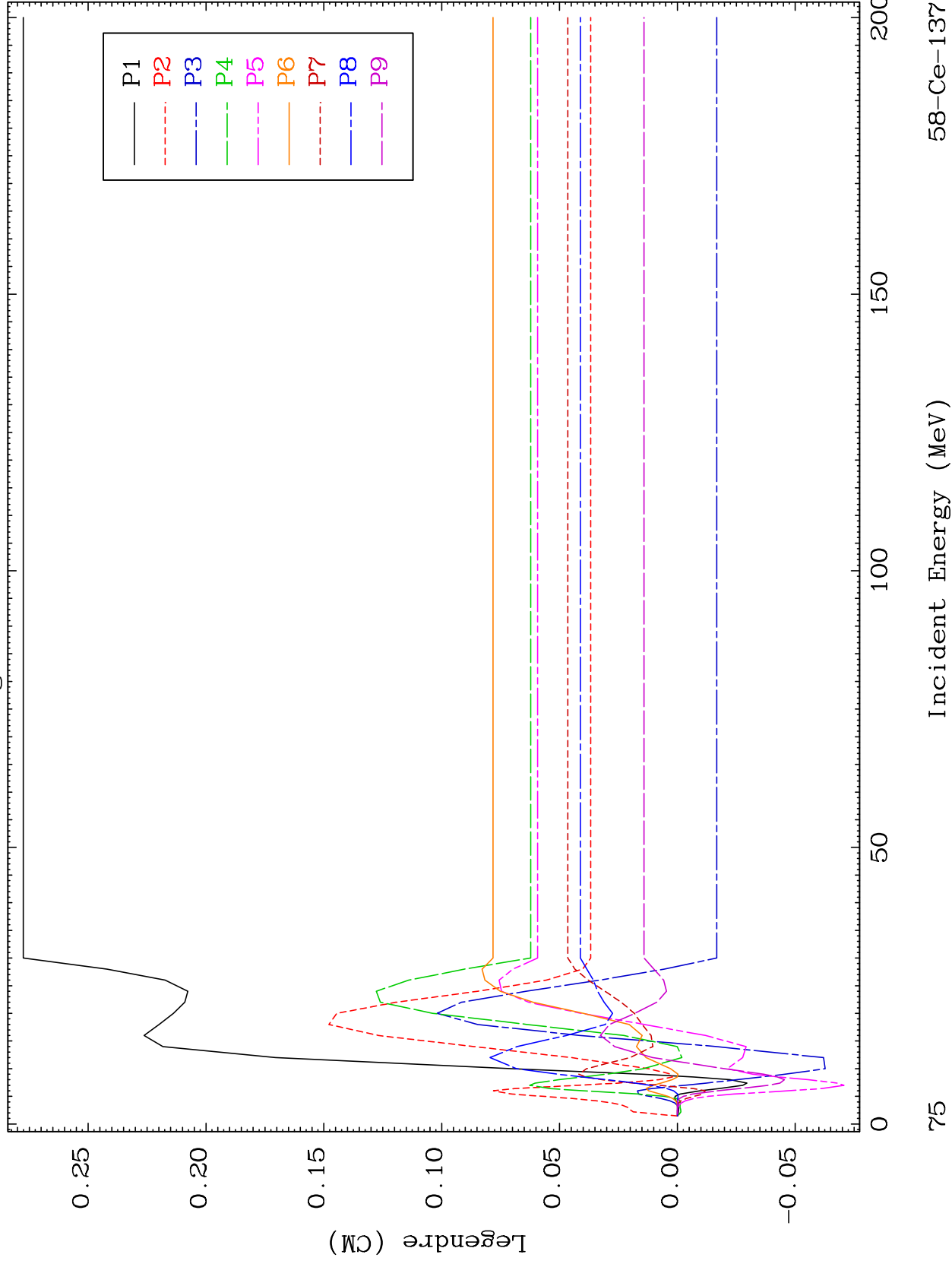




MAT 5828

1.435 MeV (n,n') Level
Legendre Coefficients

58-Ce-137



58-Ce-137

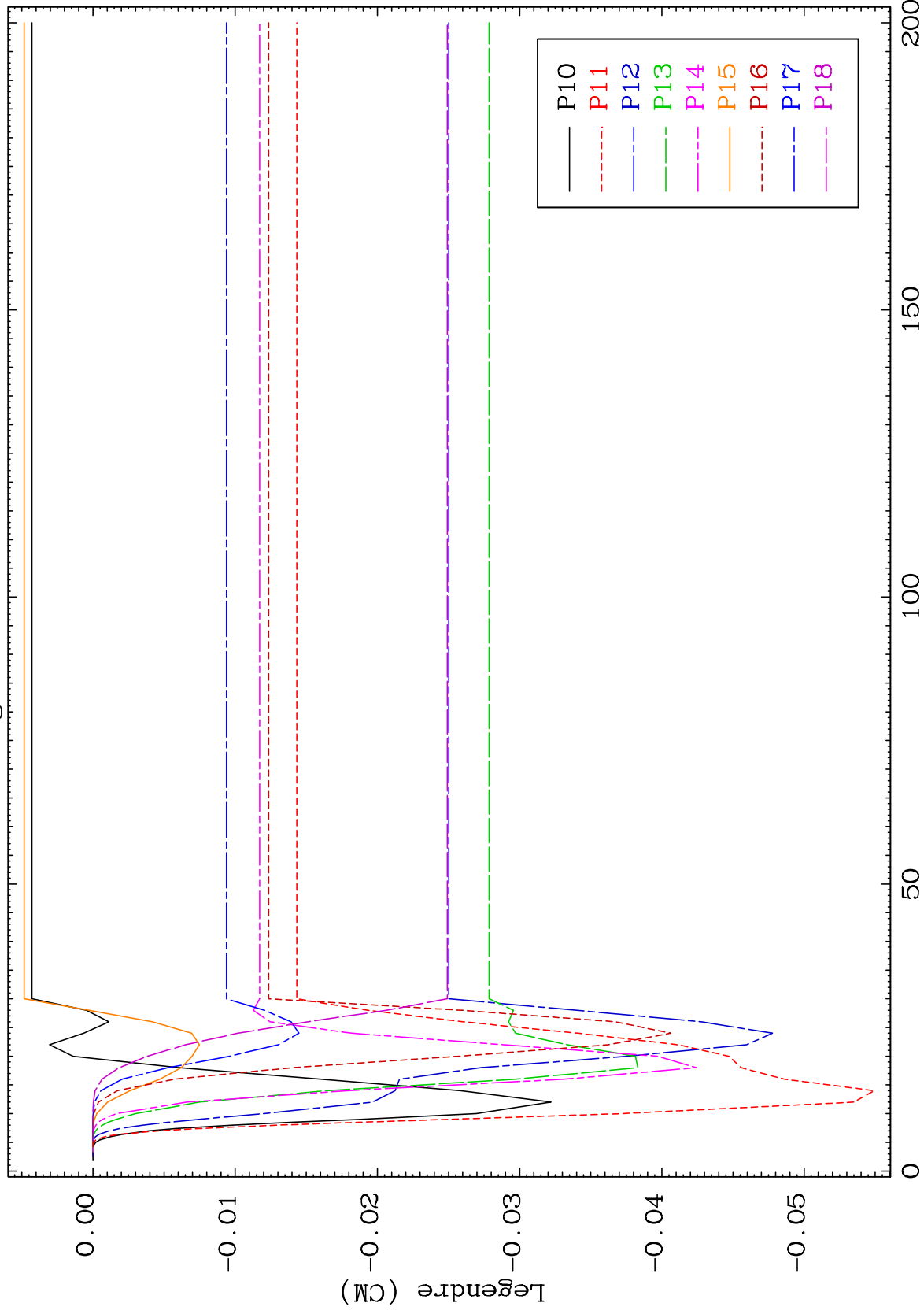
Incident Energy (MeV)

75

MAT 5828

1.435 MeV (n,n') Level
Legendre Coefficients

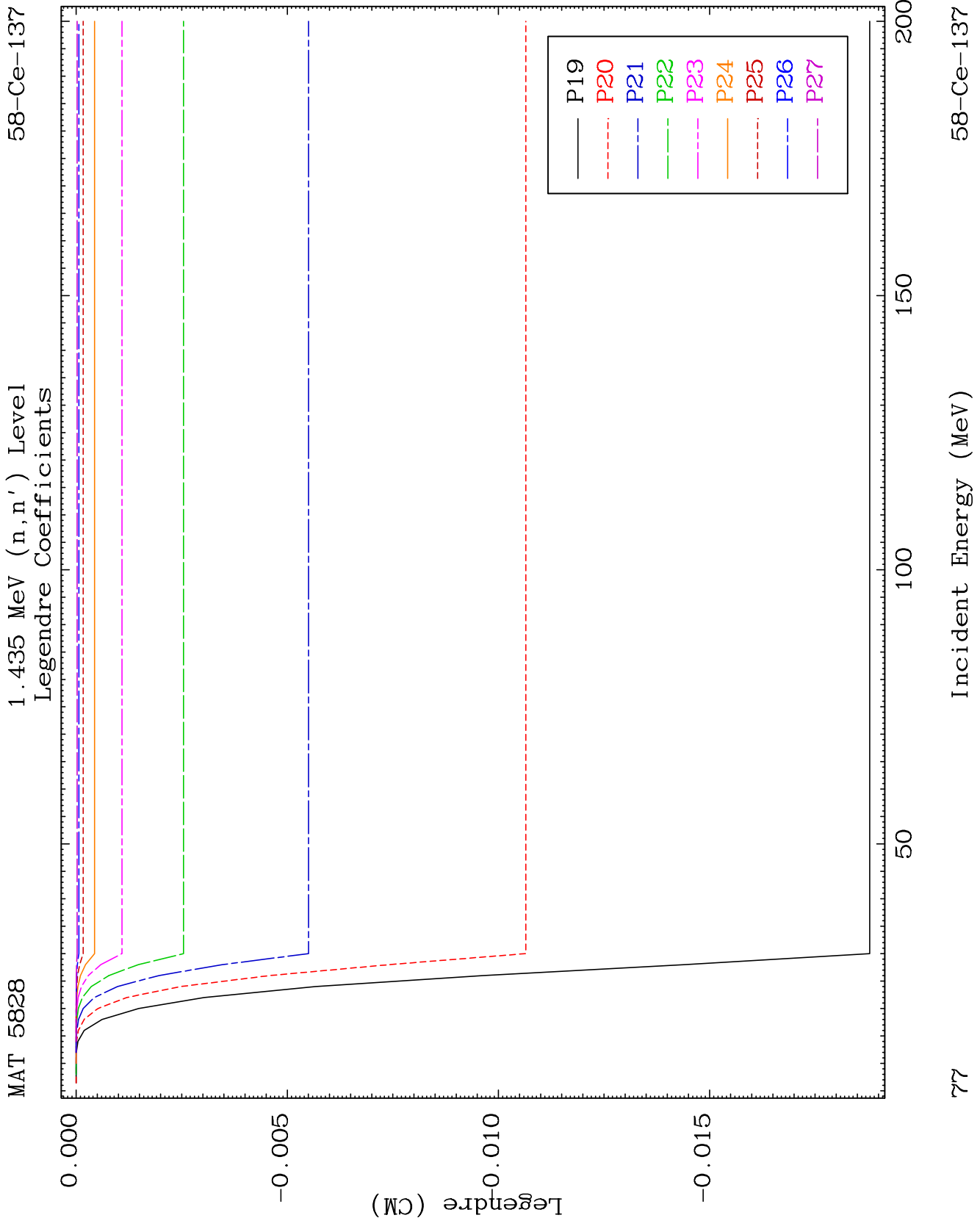
58-Ce-137

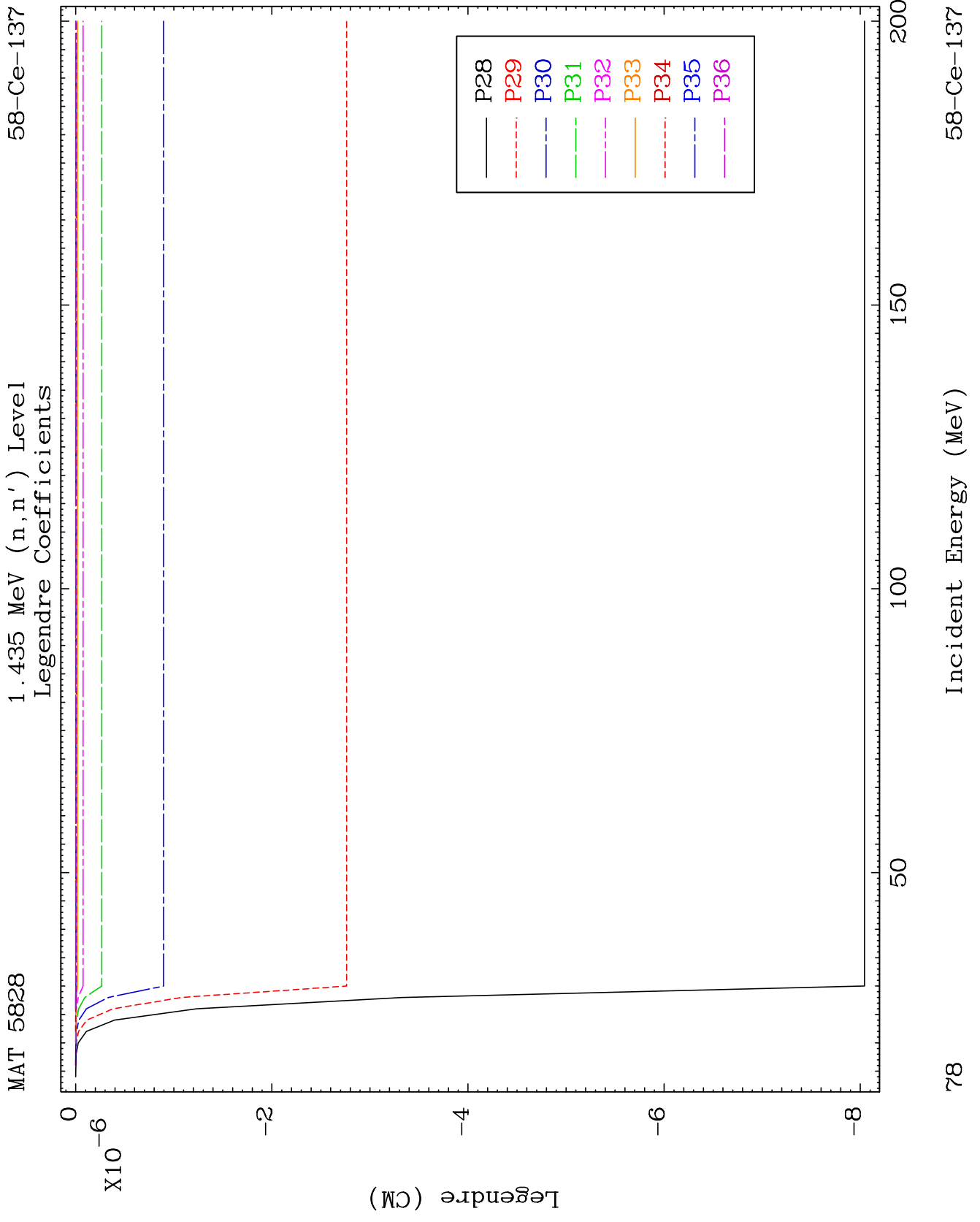


76

Incident Energy (MeV)

58-Ce-137

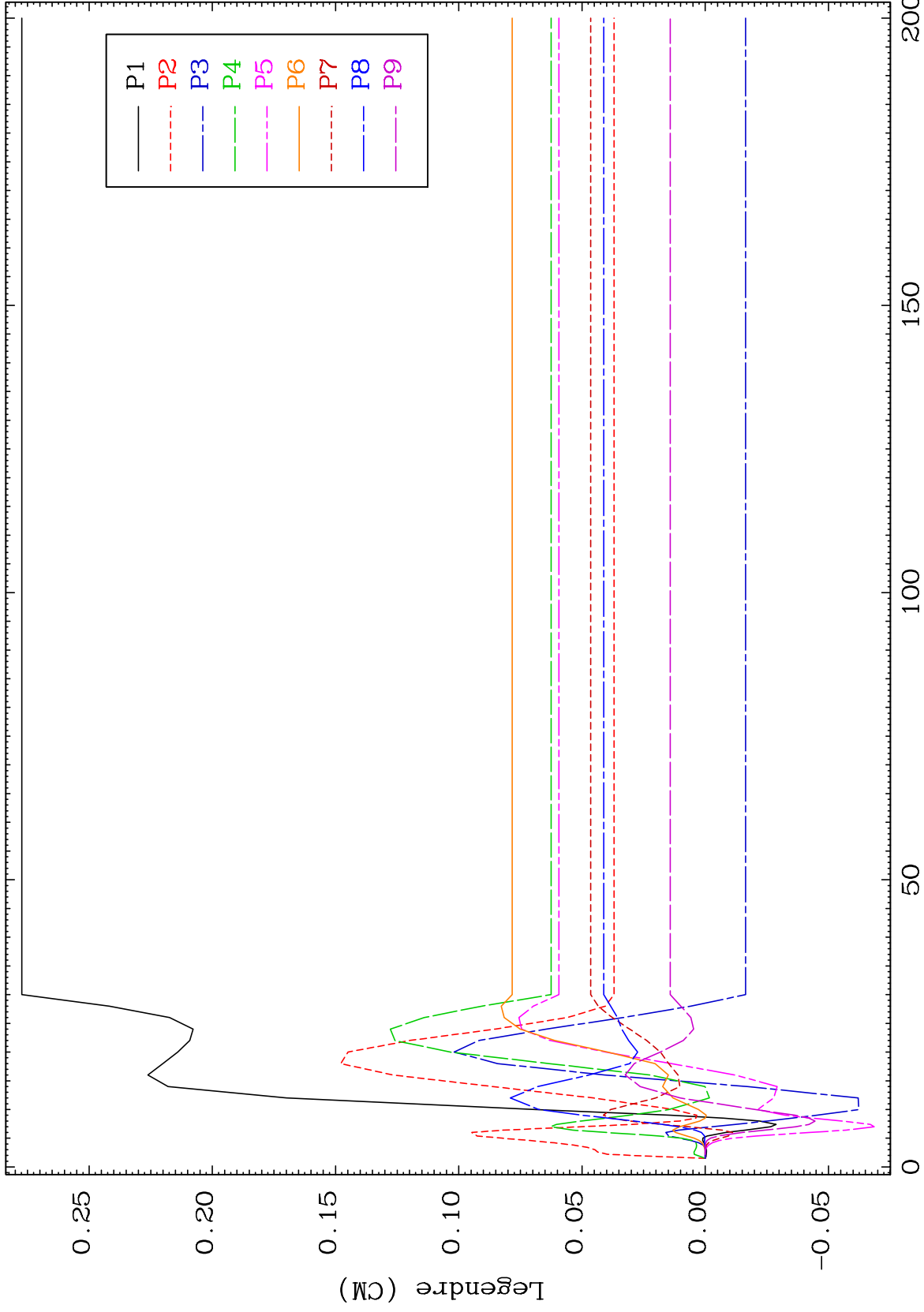




MAT 5828

1.477 MeV (n,n') Level
Legendre Coefficients

58-Ce-137



79

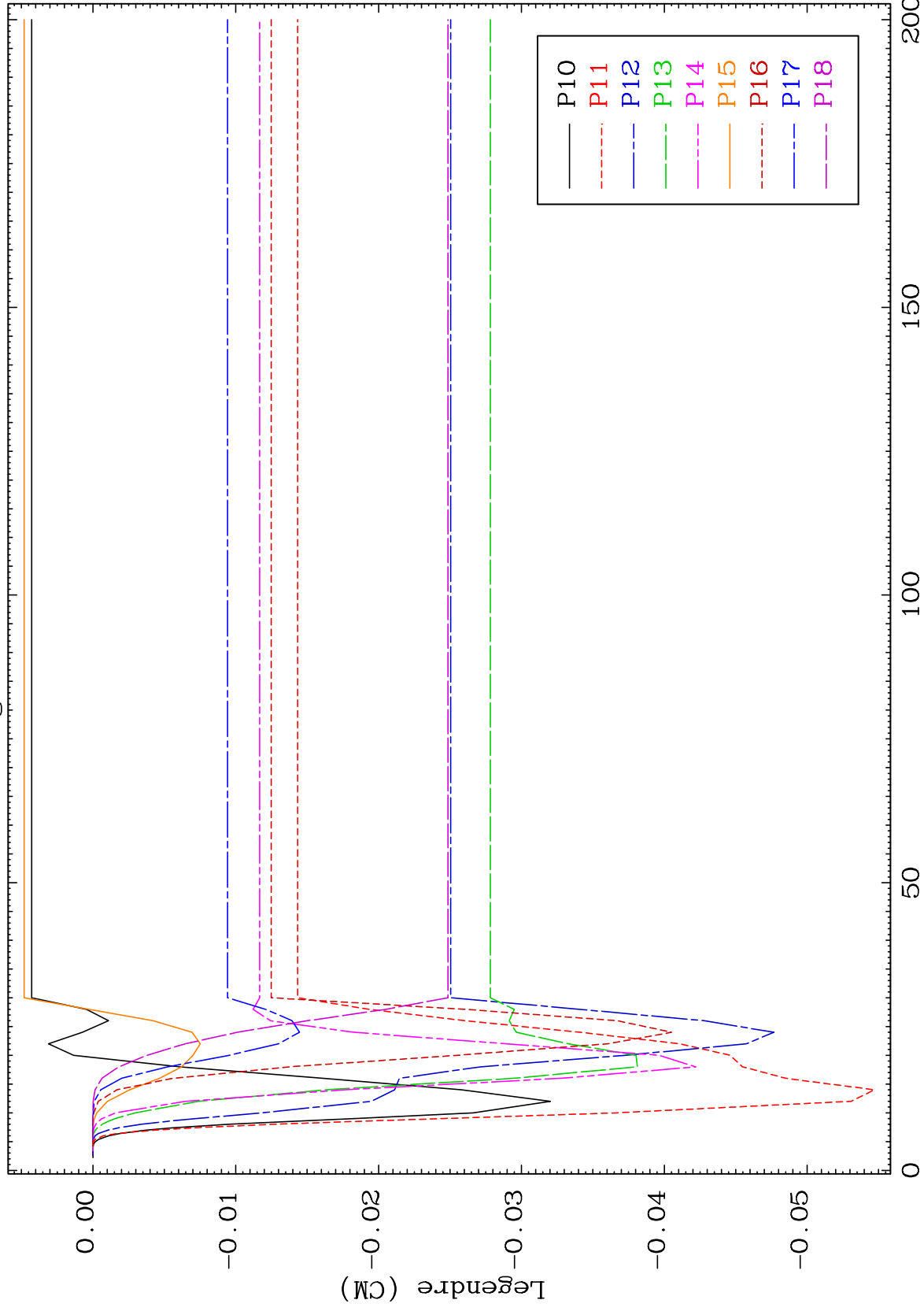
Incident Energy (MeV)

58-Ce-137

MAT 5828

1.477 MeV (n,n') Level
Legendre Coefficients

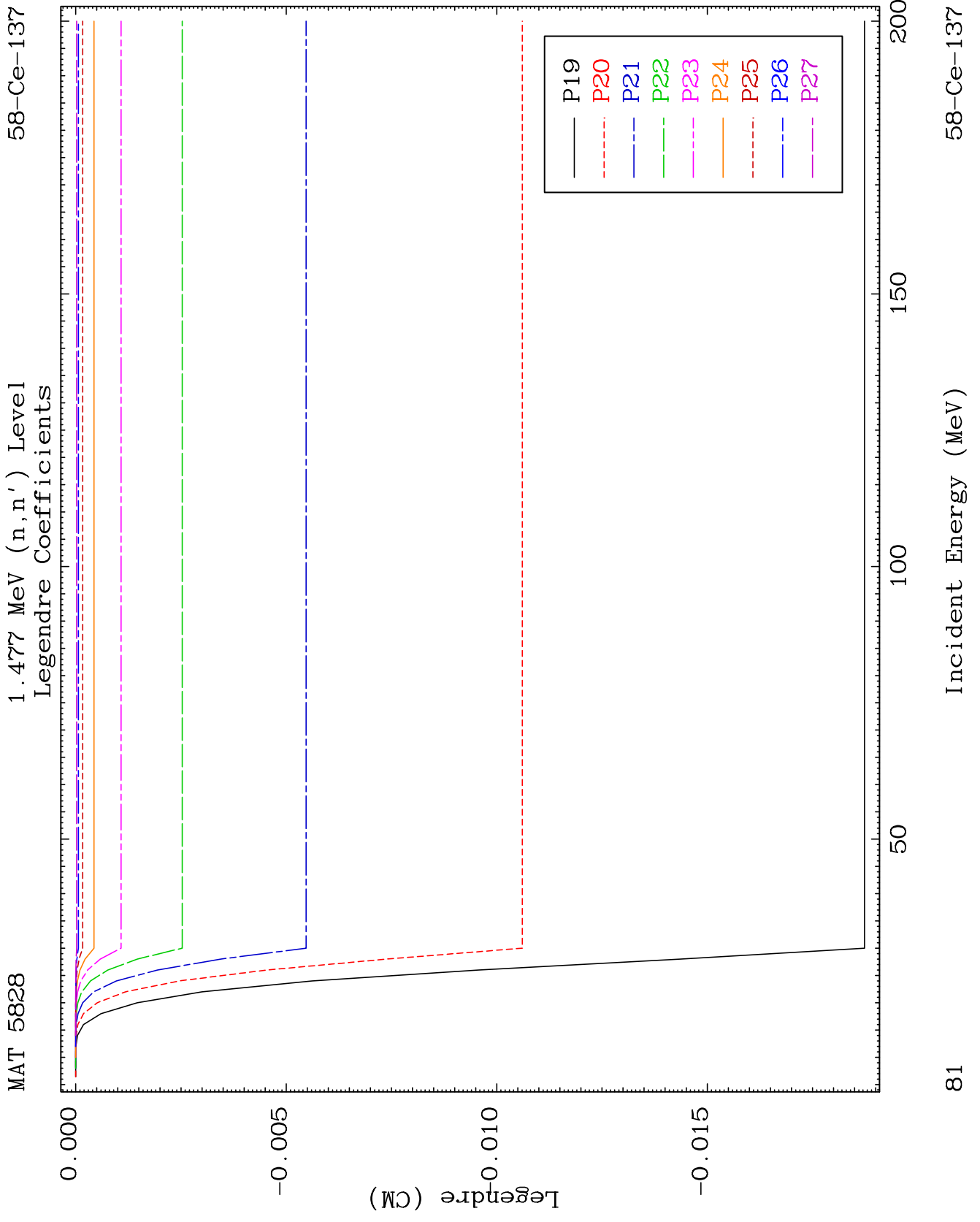
58-Ce-137

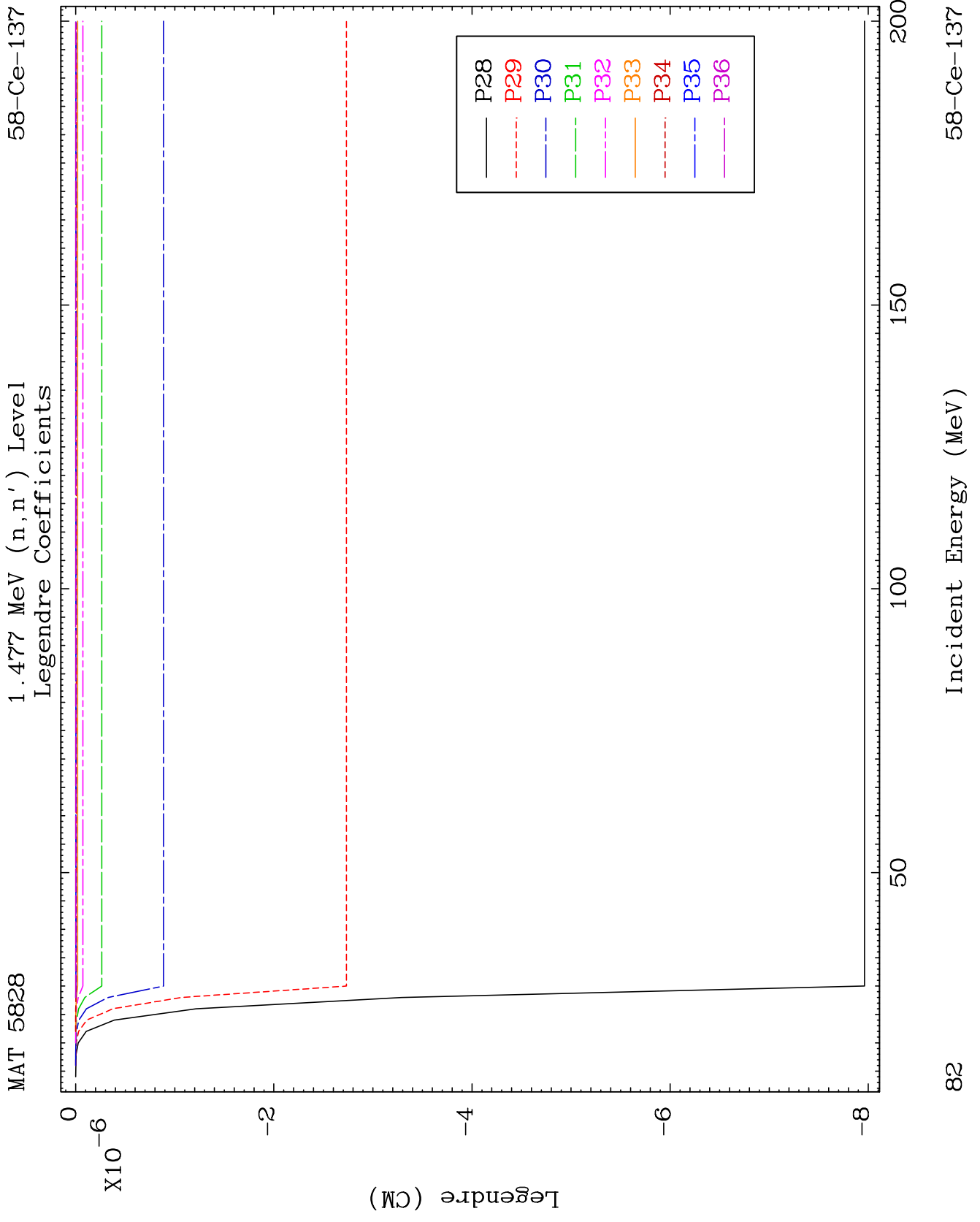


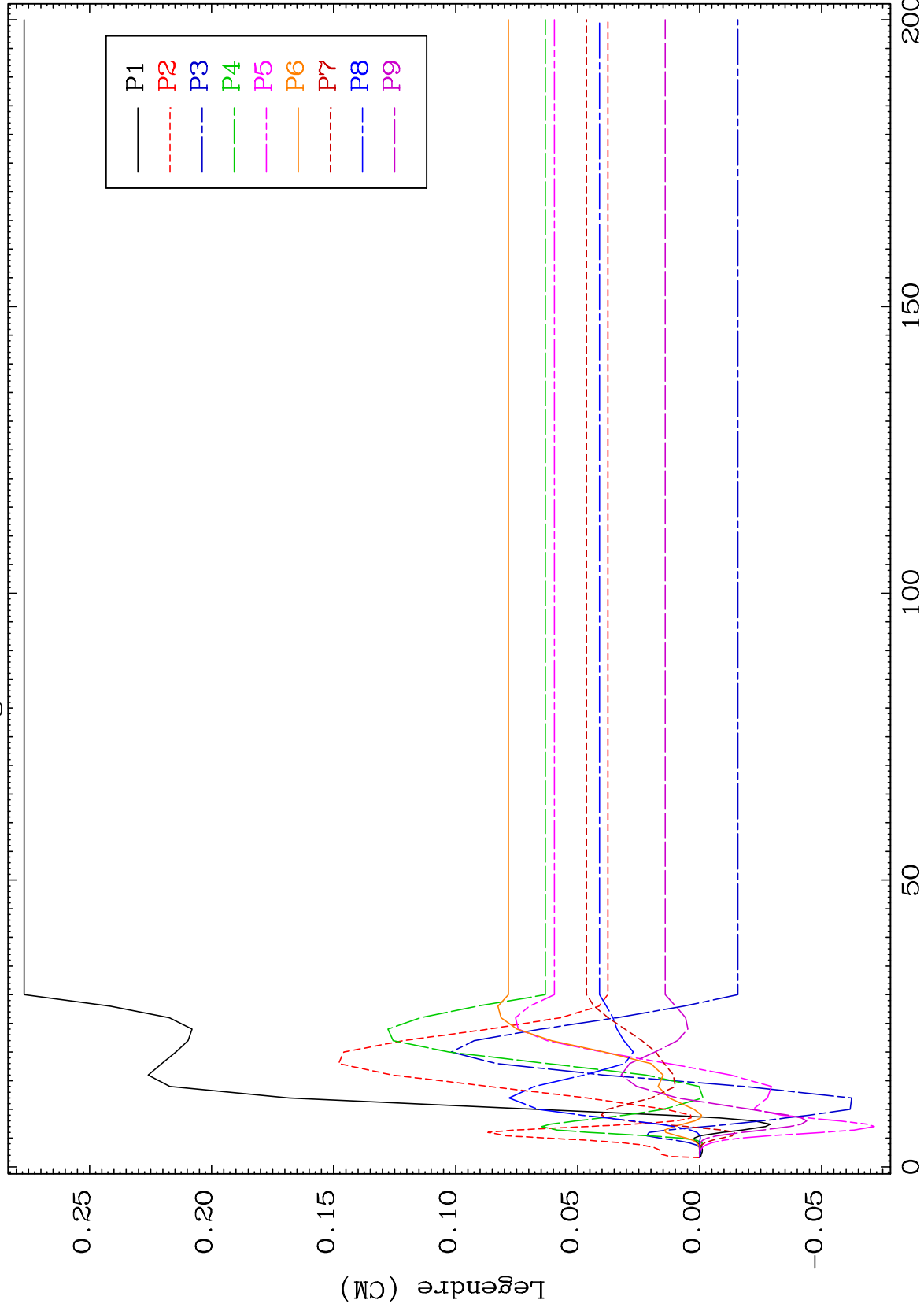
80

Incident Energy (MeV)

58-Ce-137



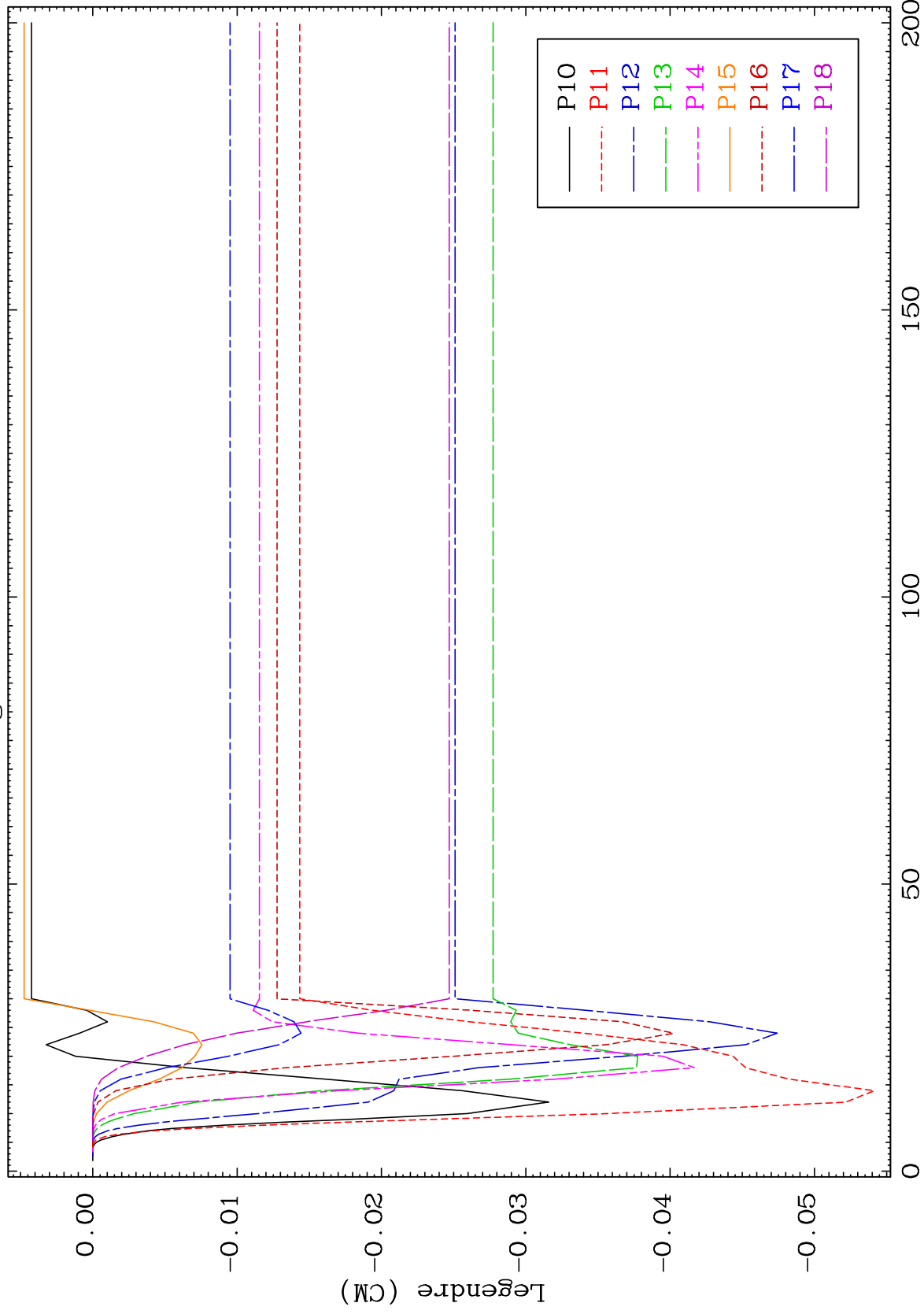




MAT 5828

1.570 MeV (n,n') Level
Legendre Coefficients

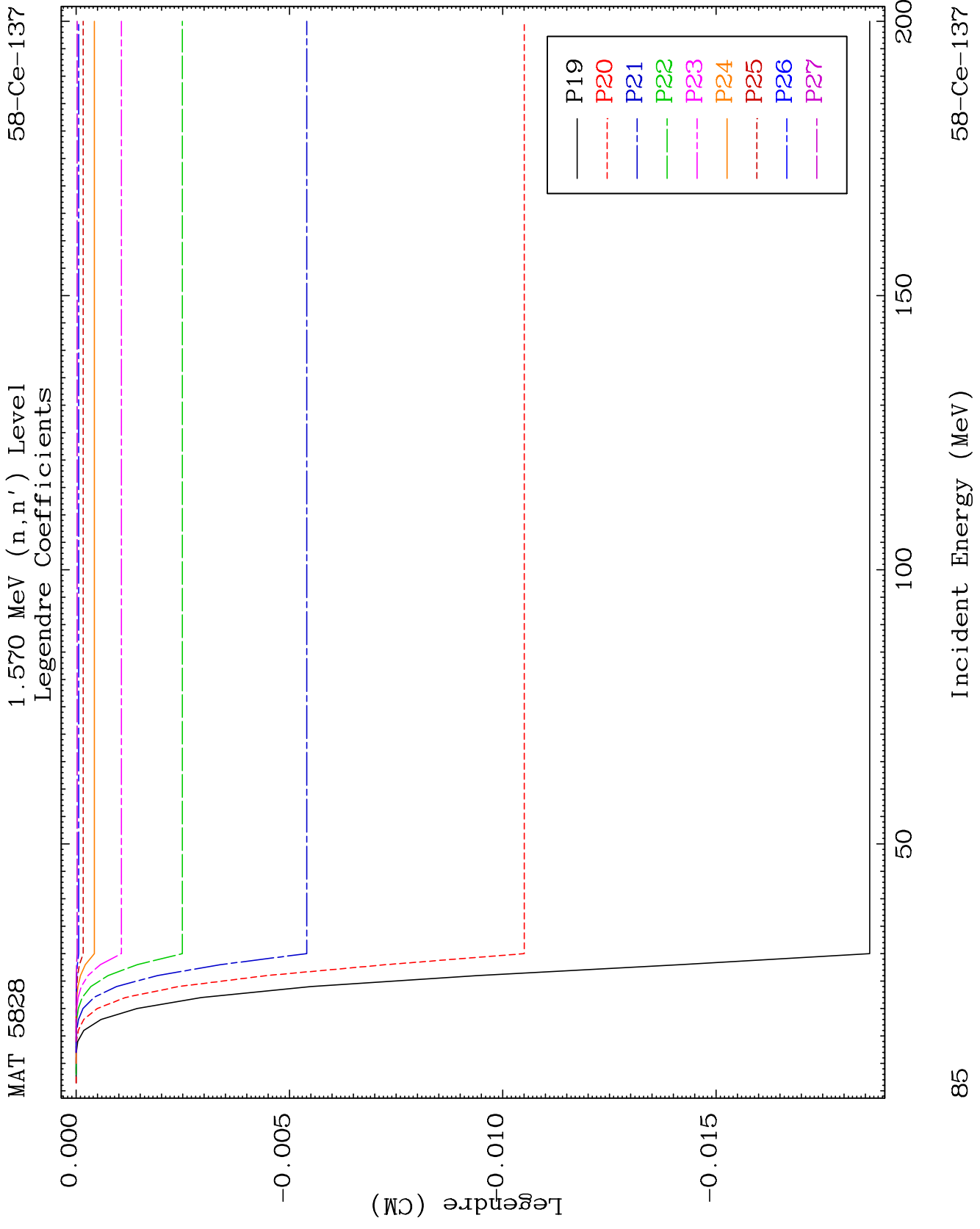
58-Ce-137

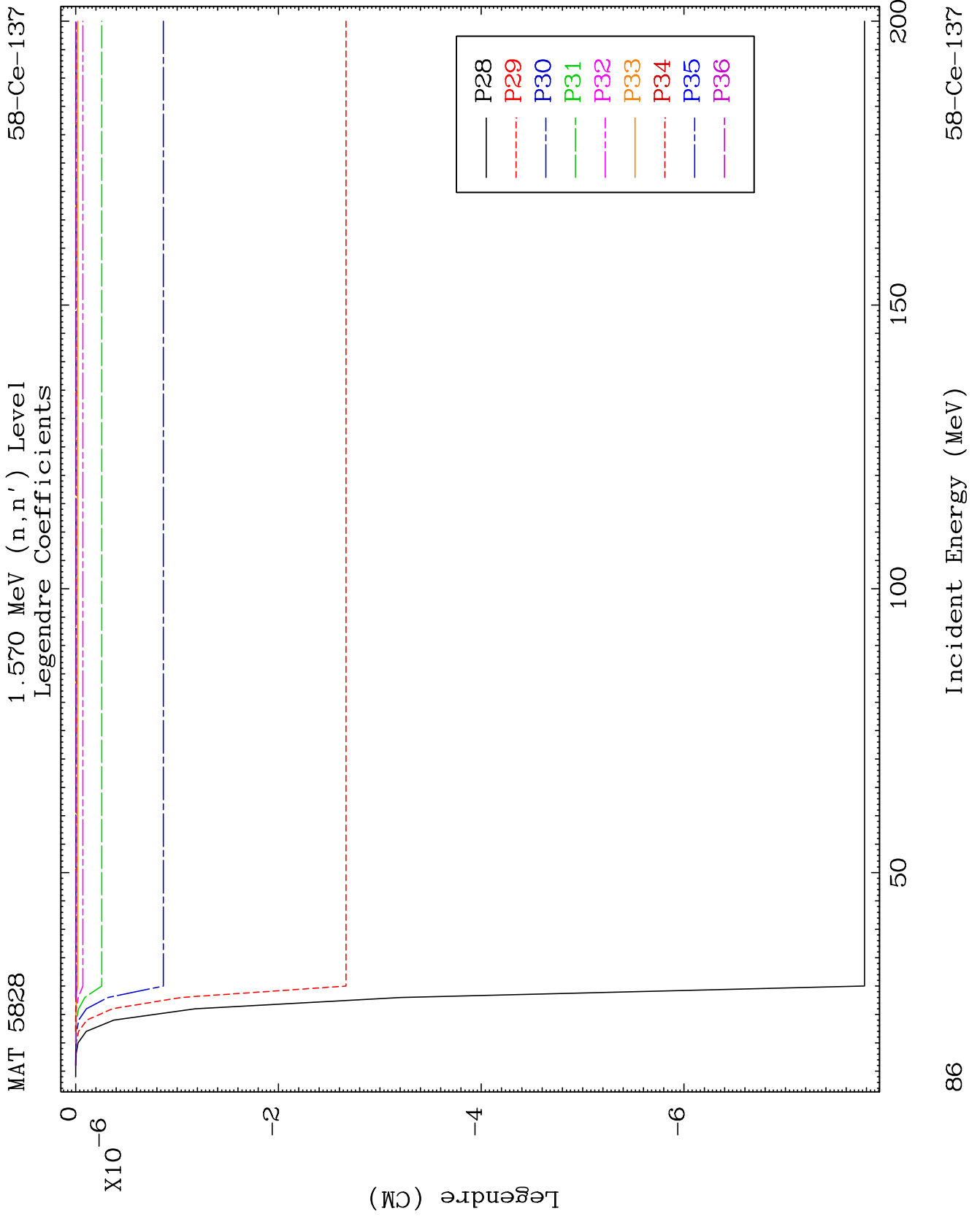


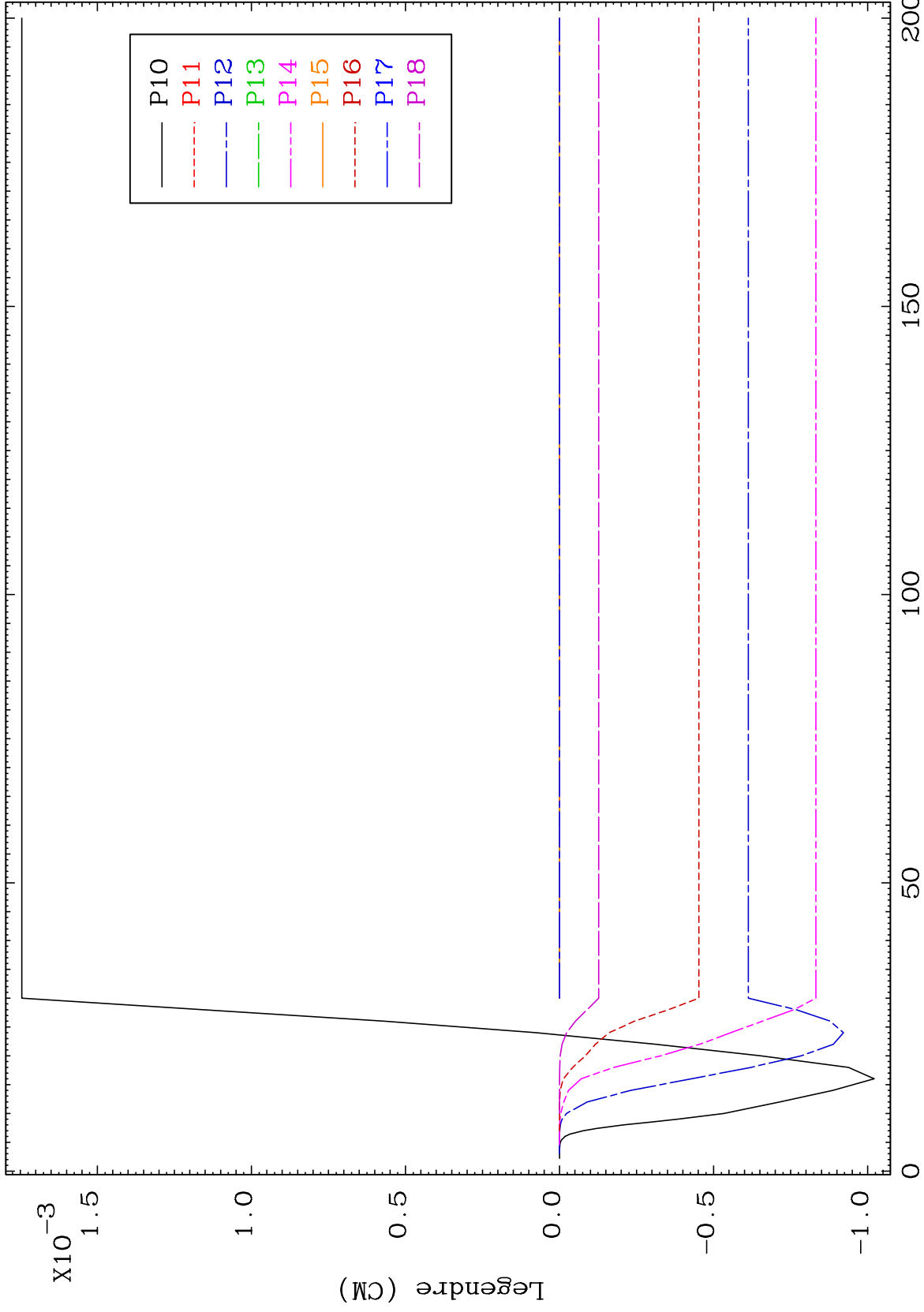
84

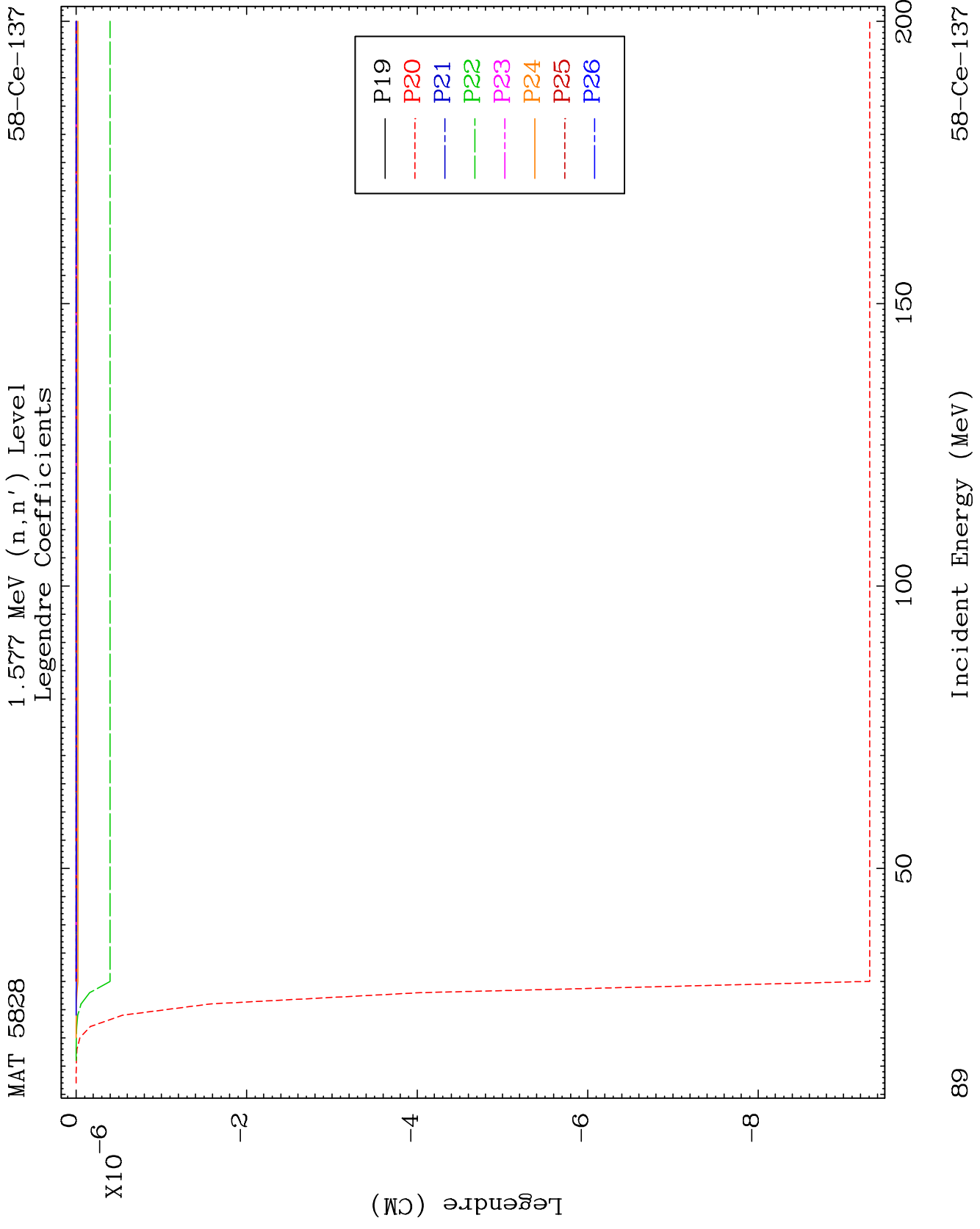
Incident Energy (MeV)

58-Ce-137





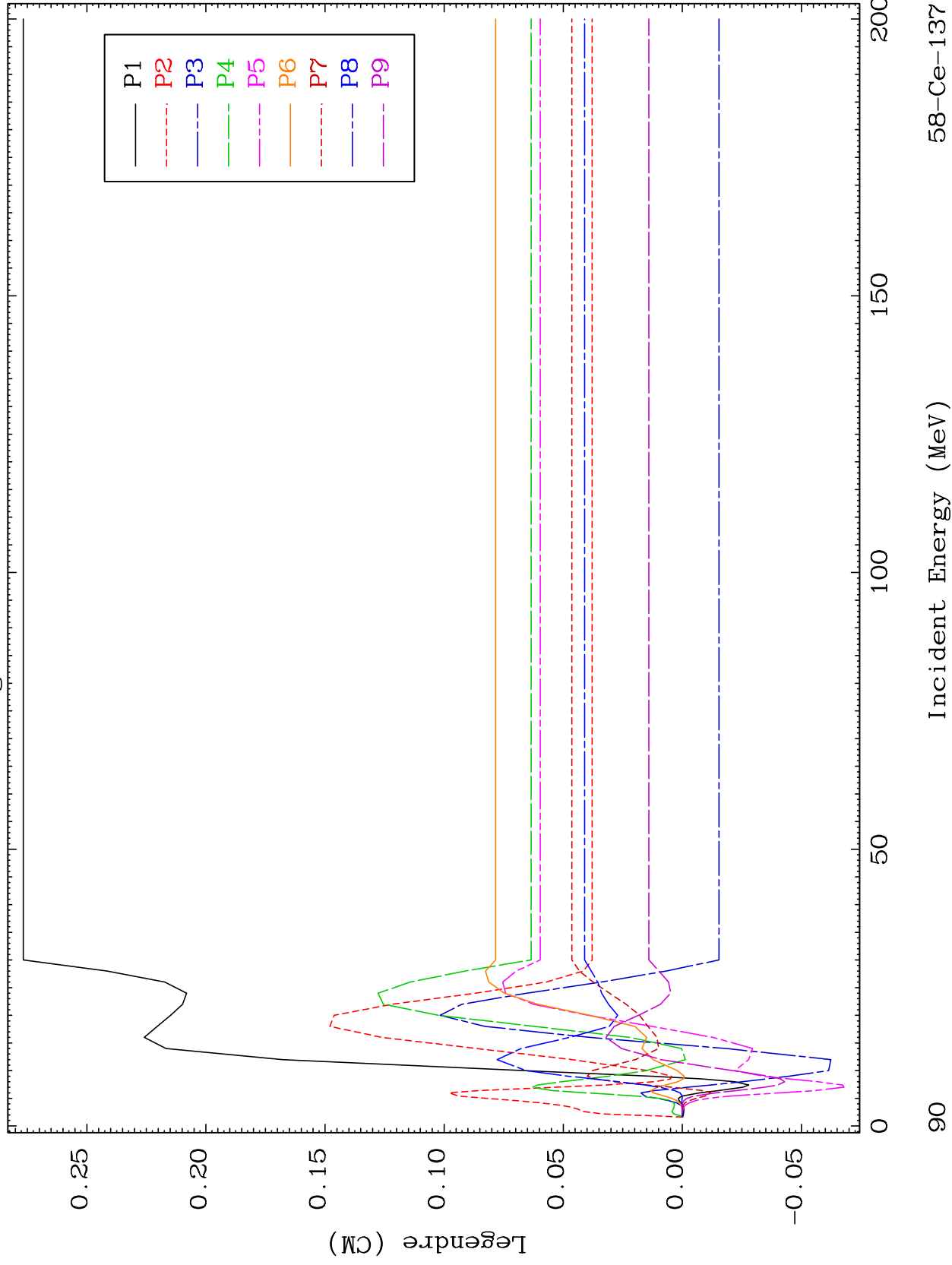




MAT 5828

1.603 MeV (n,n') Level
Legendre Coefficients

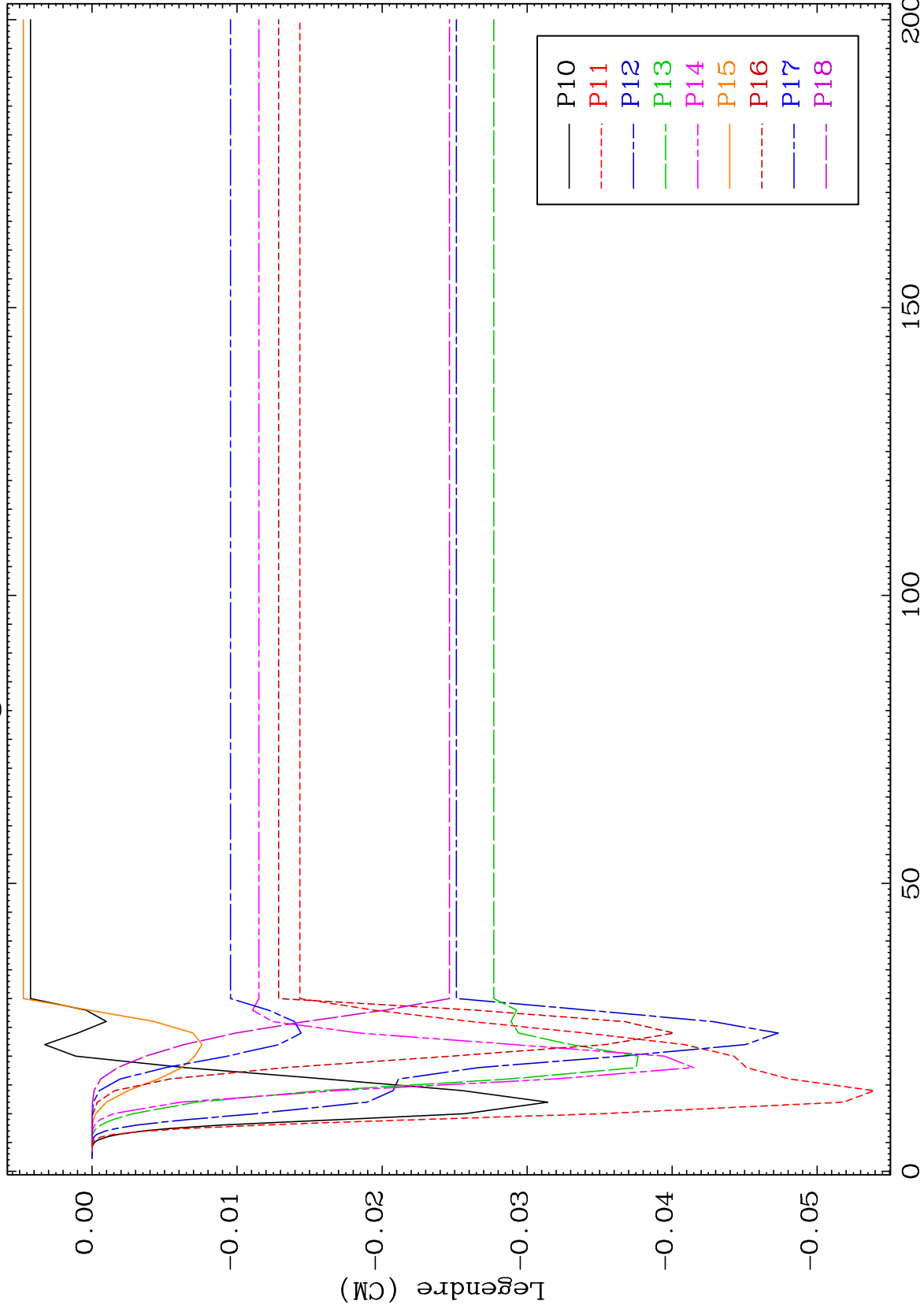
58-Ce-137



MAT 5828

1.603 MeV (n,n') Level
Legendre Coefficients

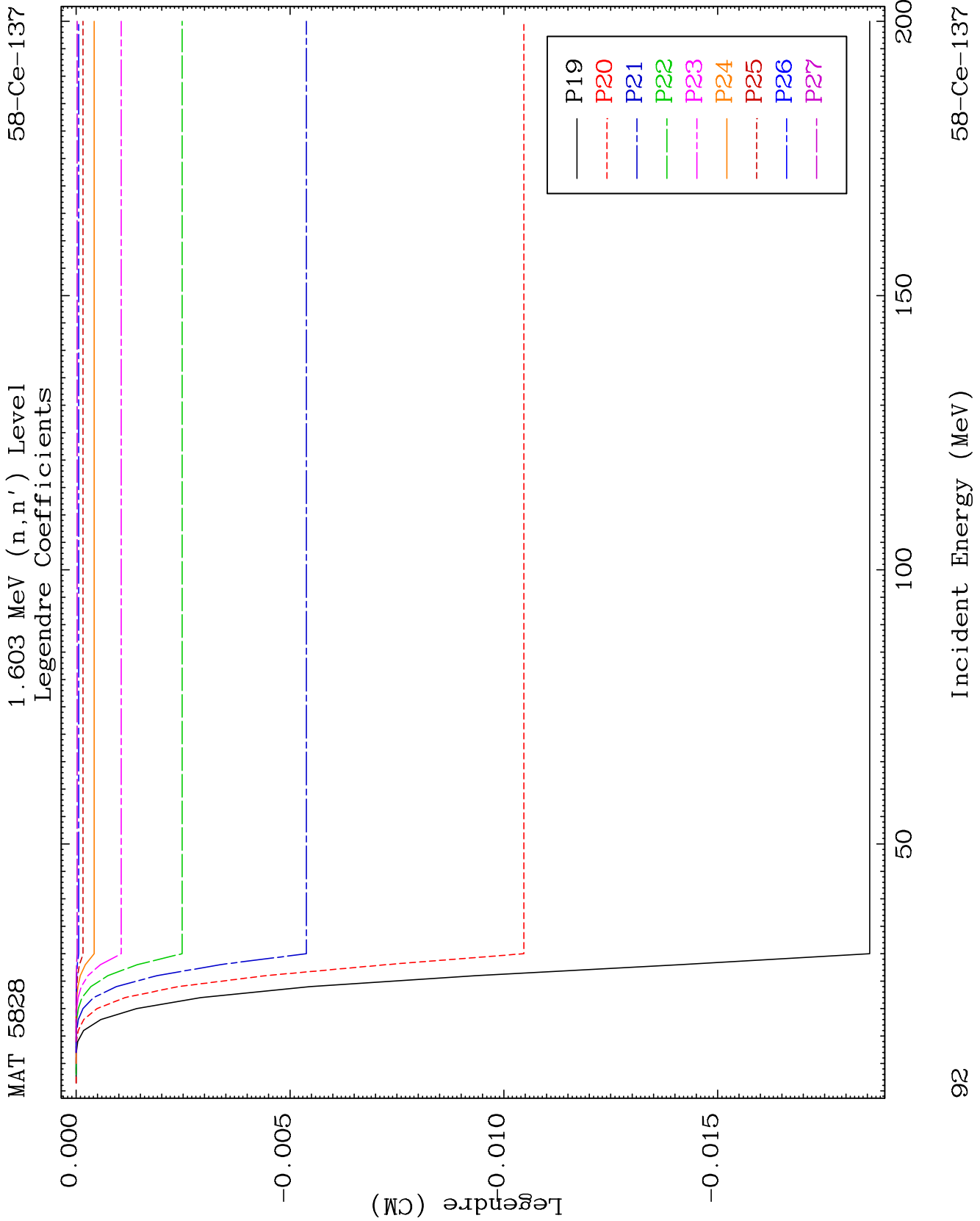
58-Ce-137

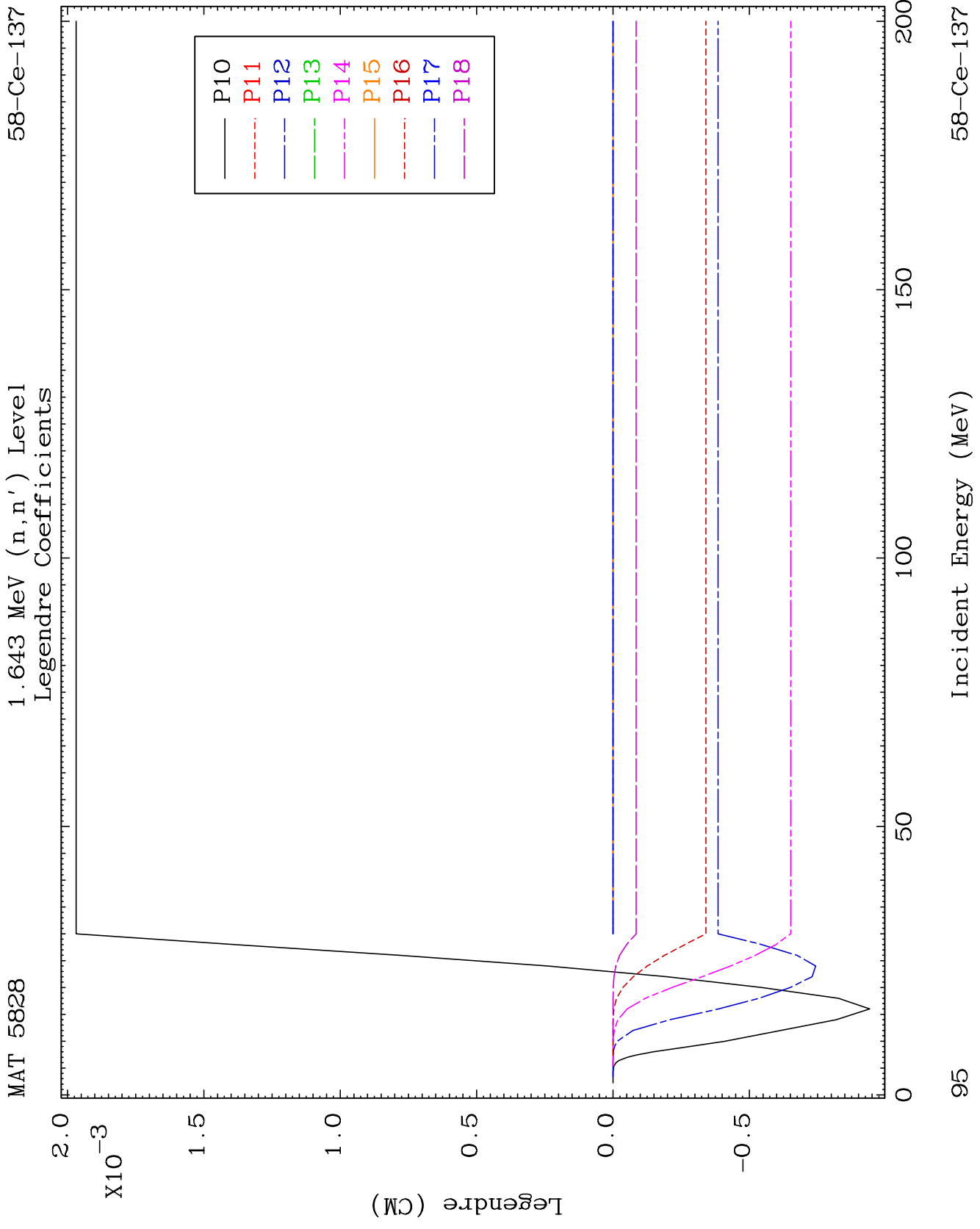


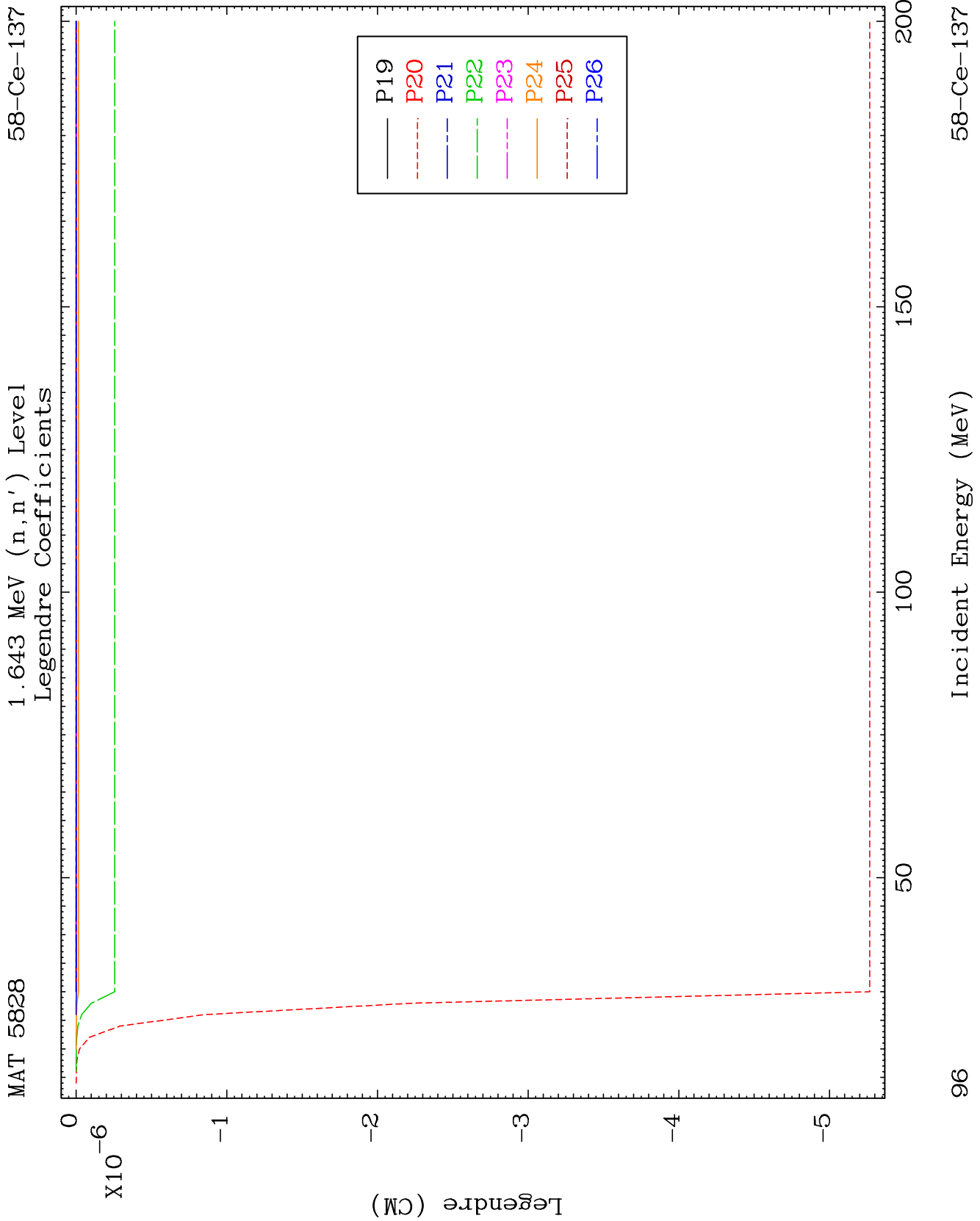
91

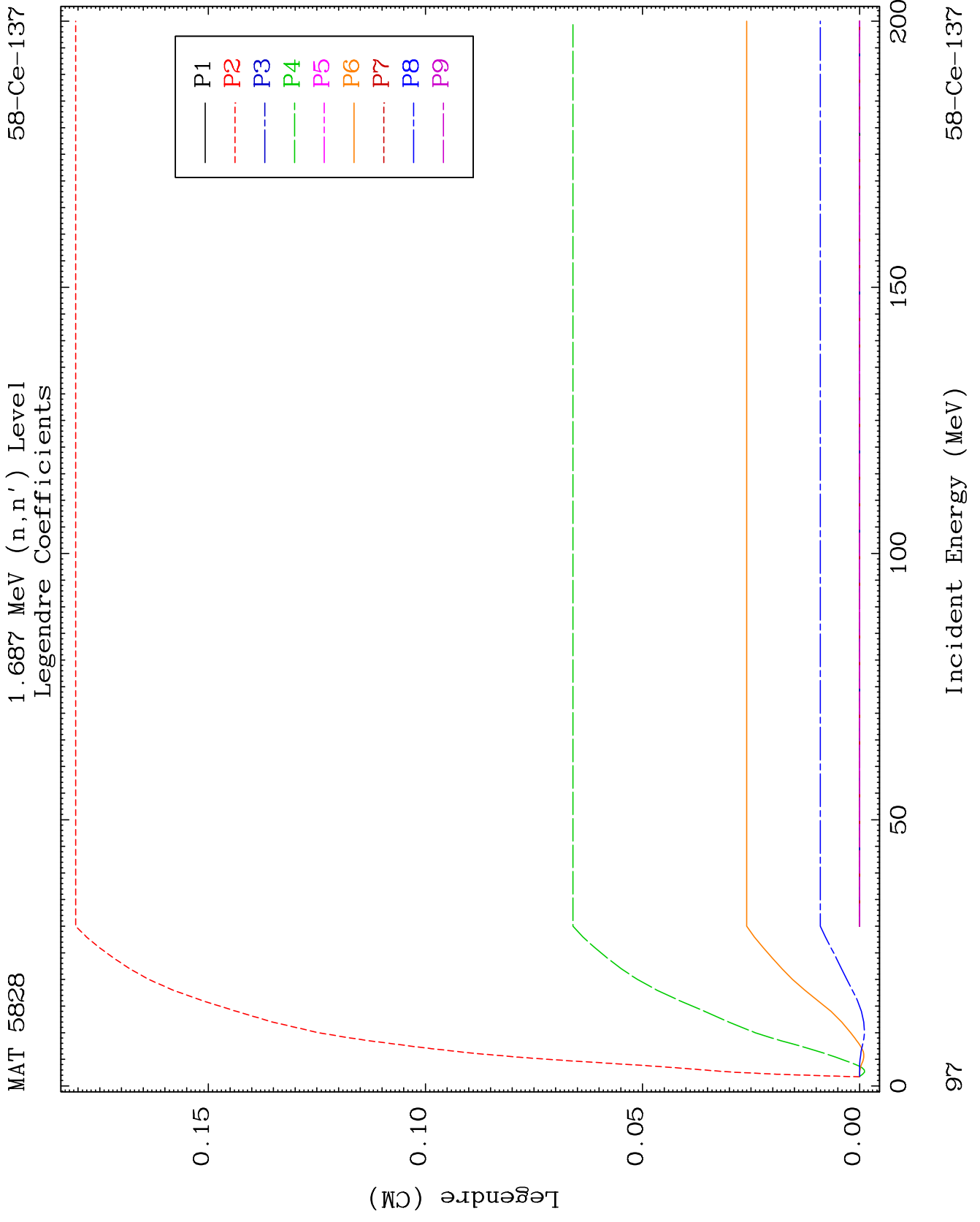
Incident Energy (MeV)

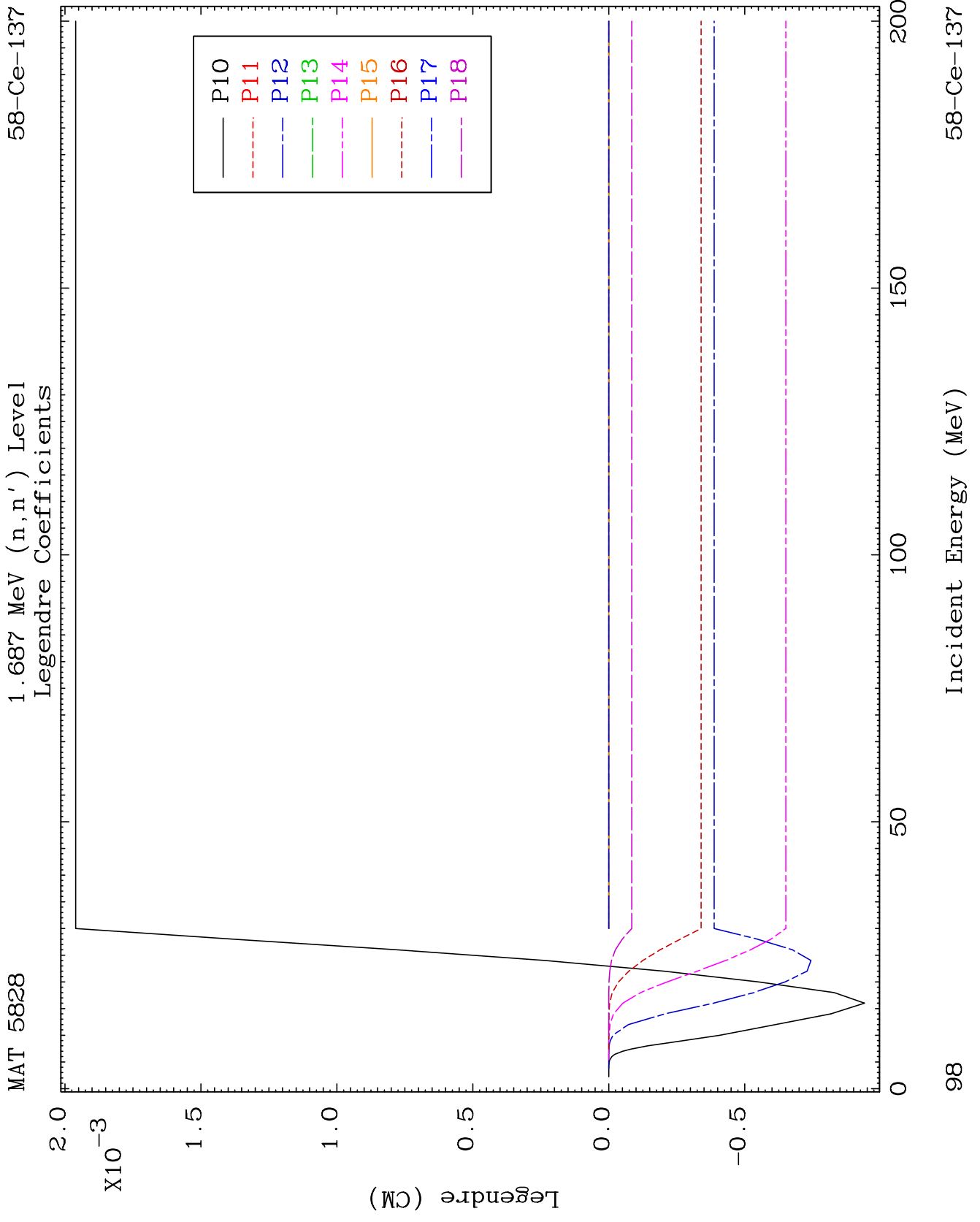
58-Ce-137

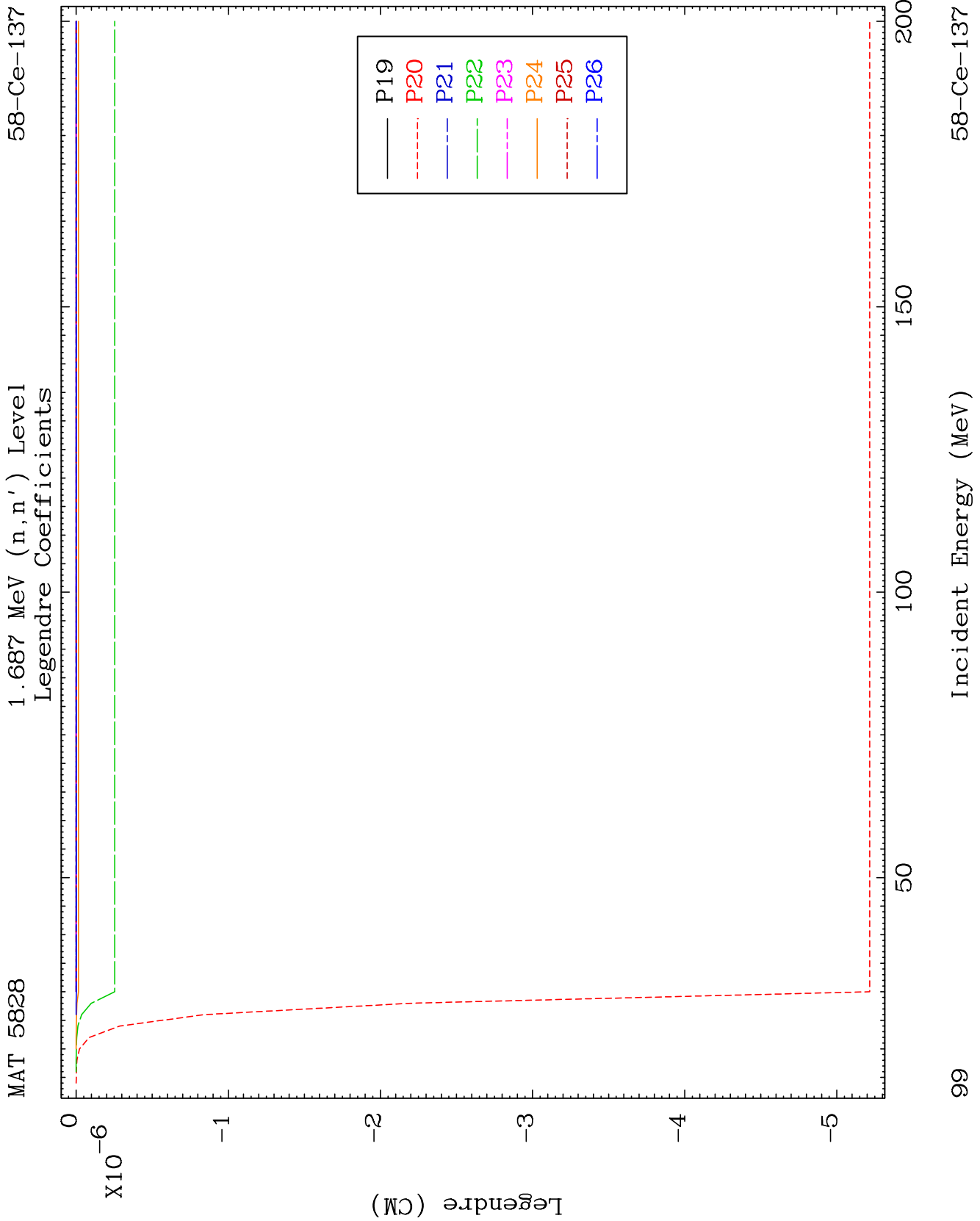


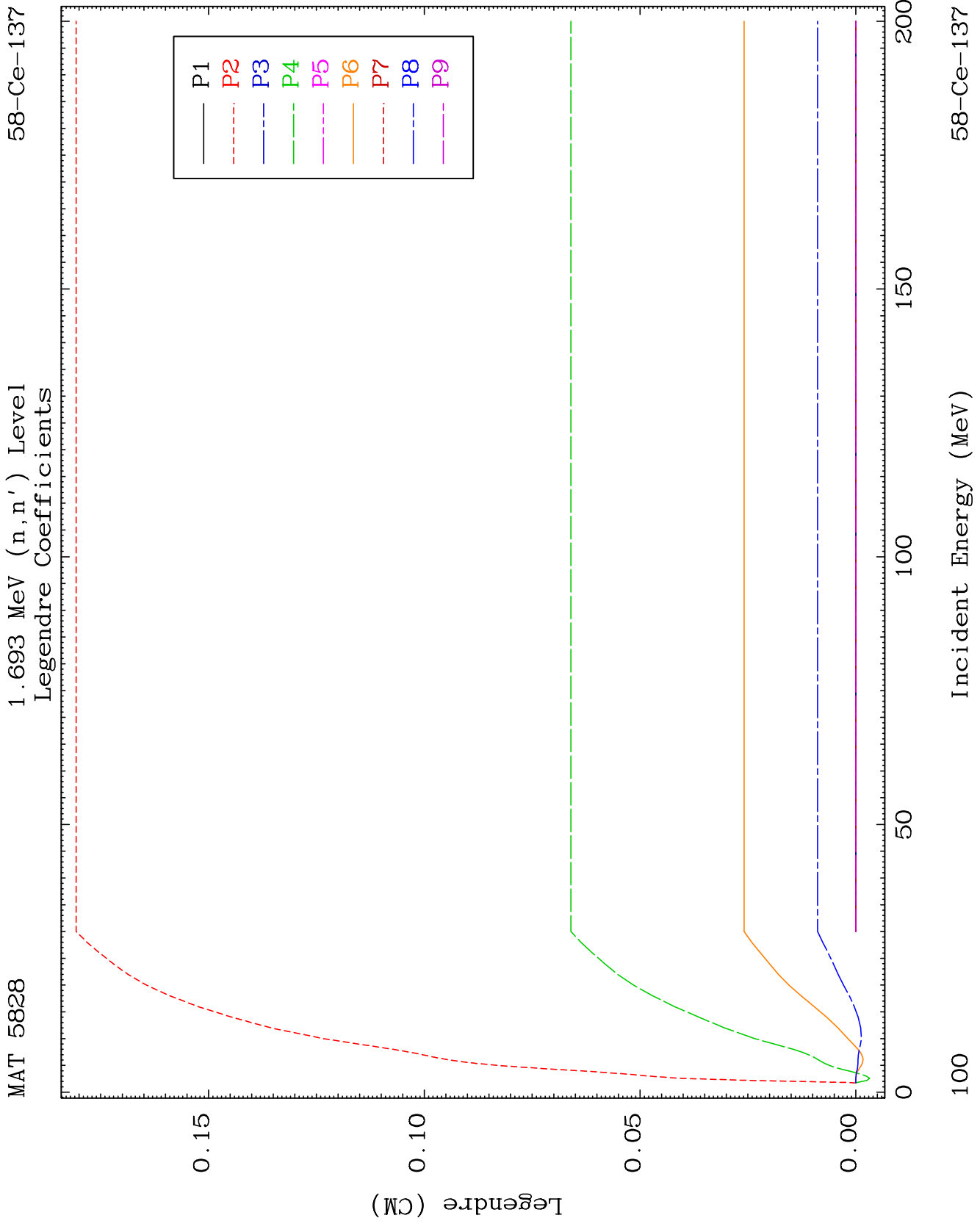








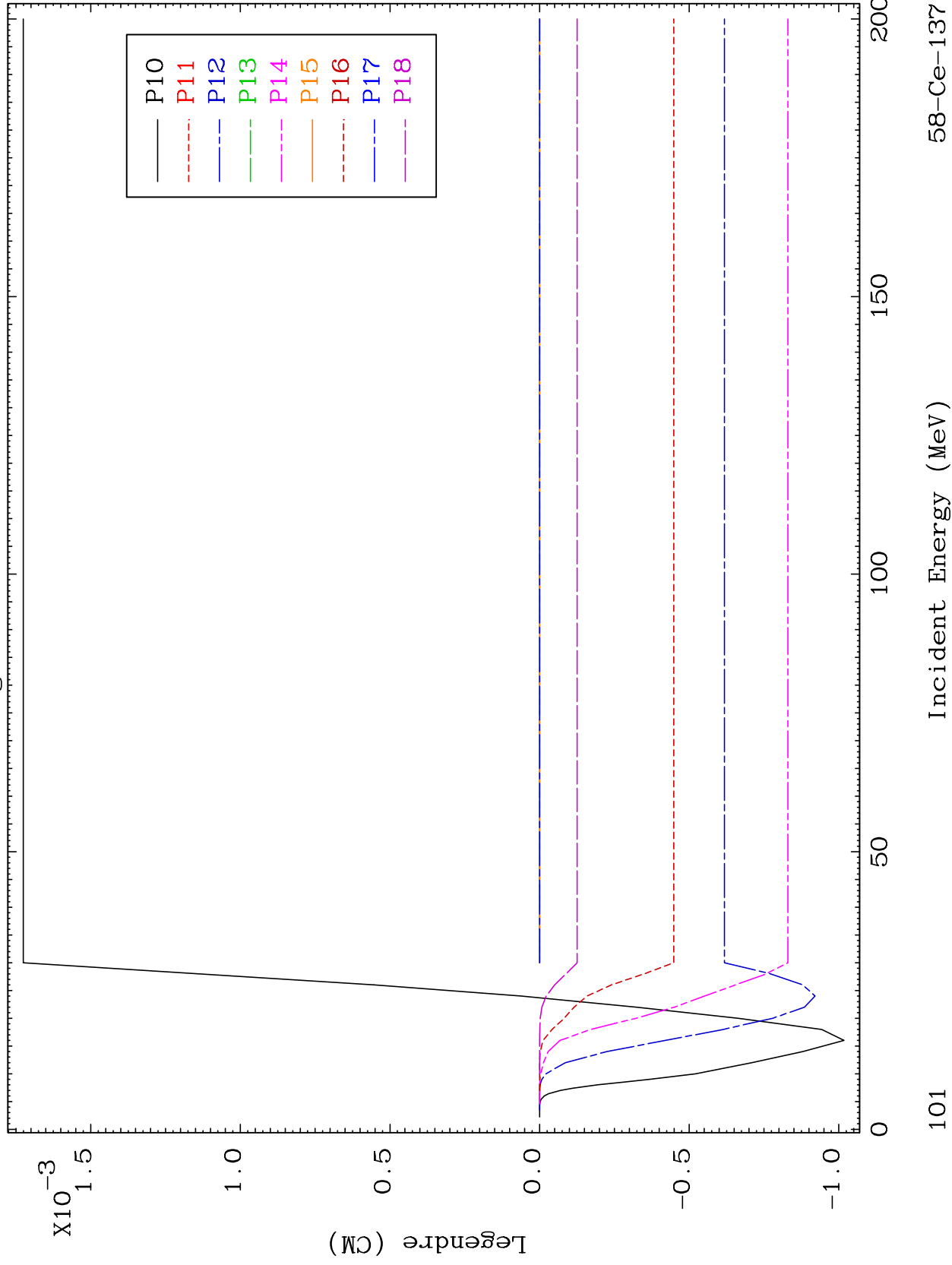




MAT 5828

1.693 MeV (n,n') Level
Legendre Coefficients

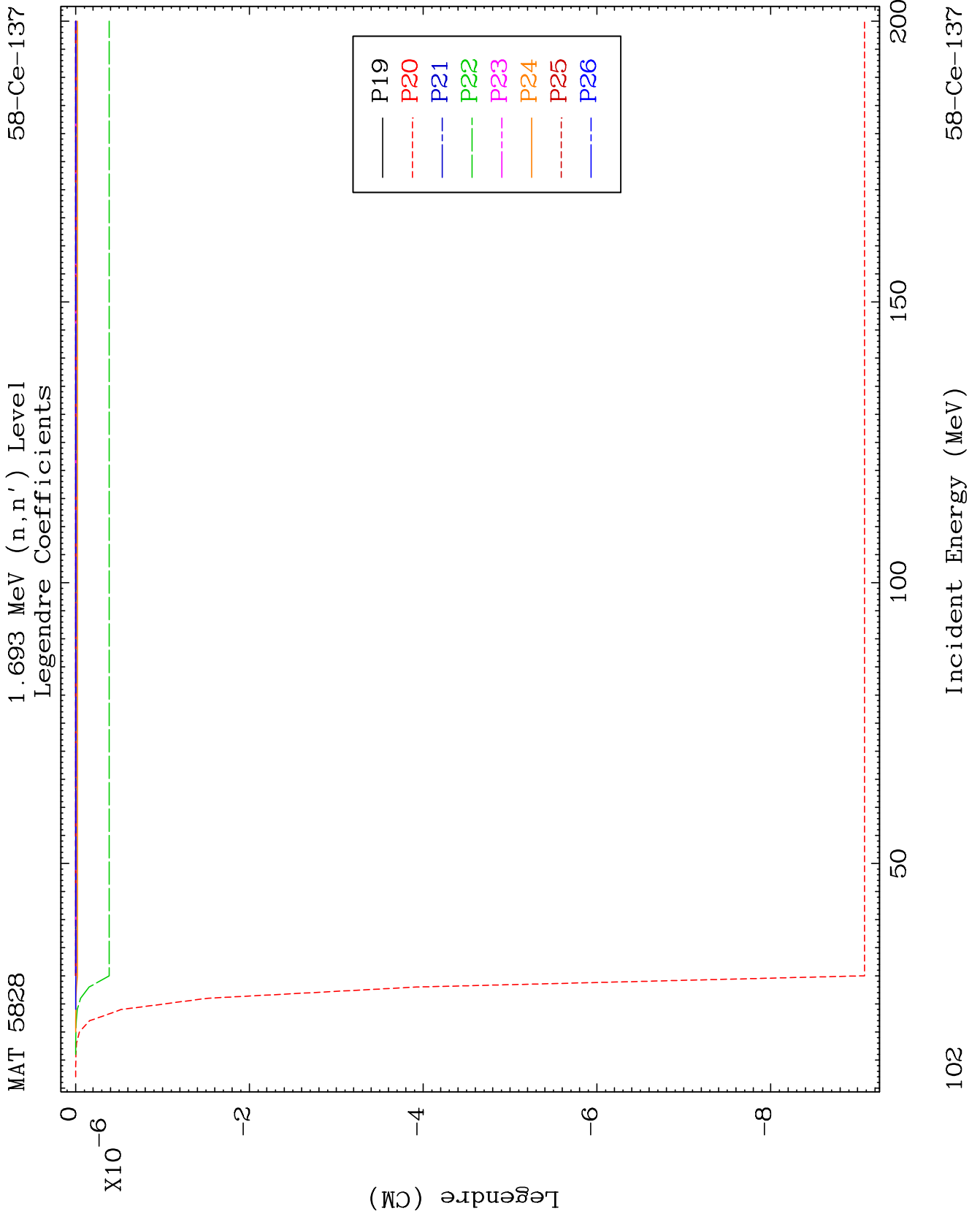
58-Ce-137

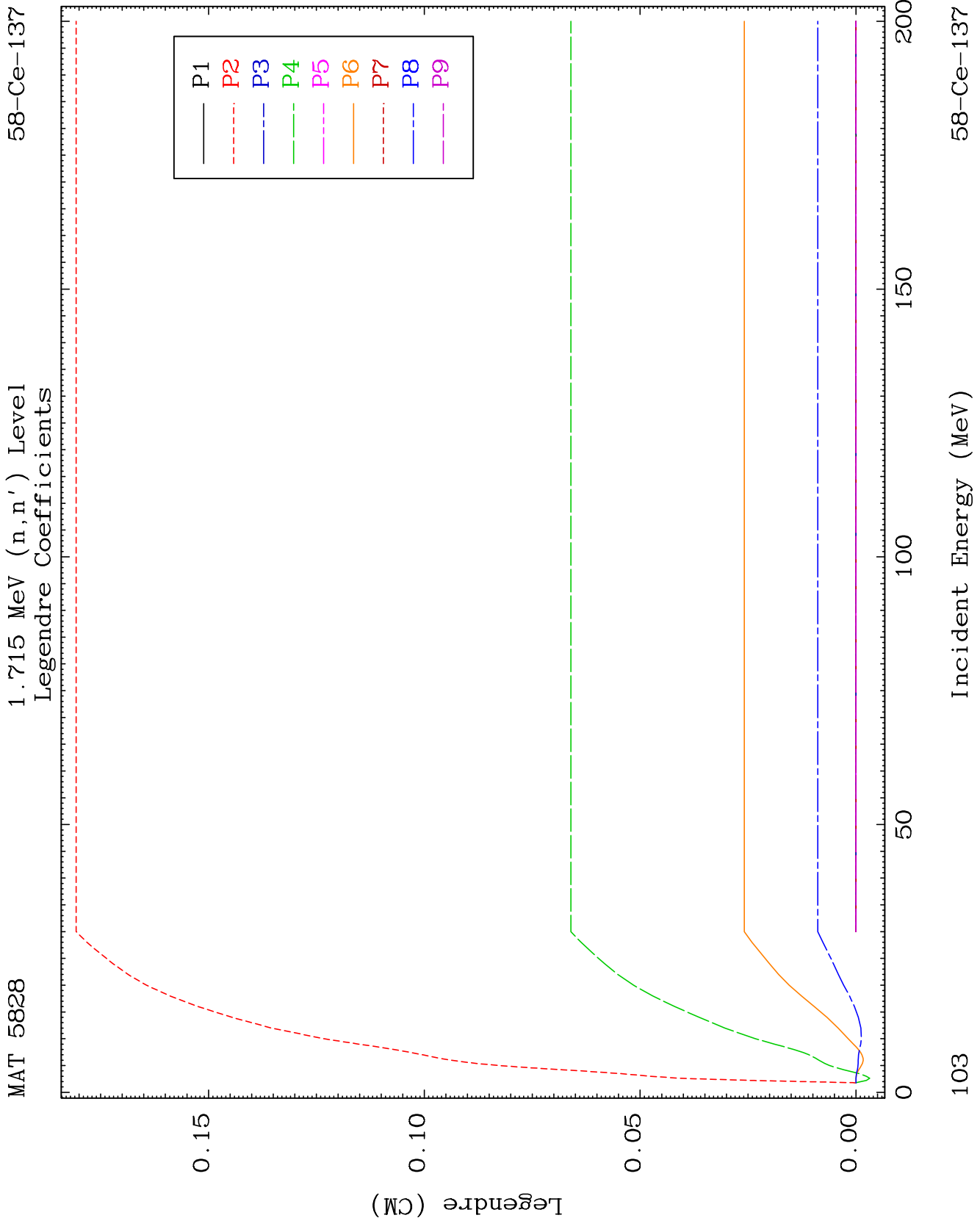


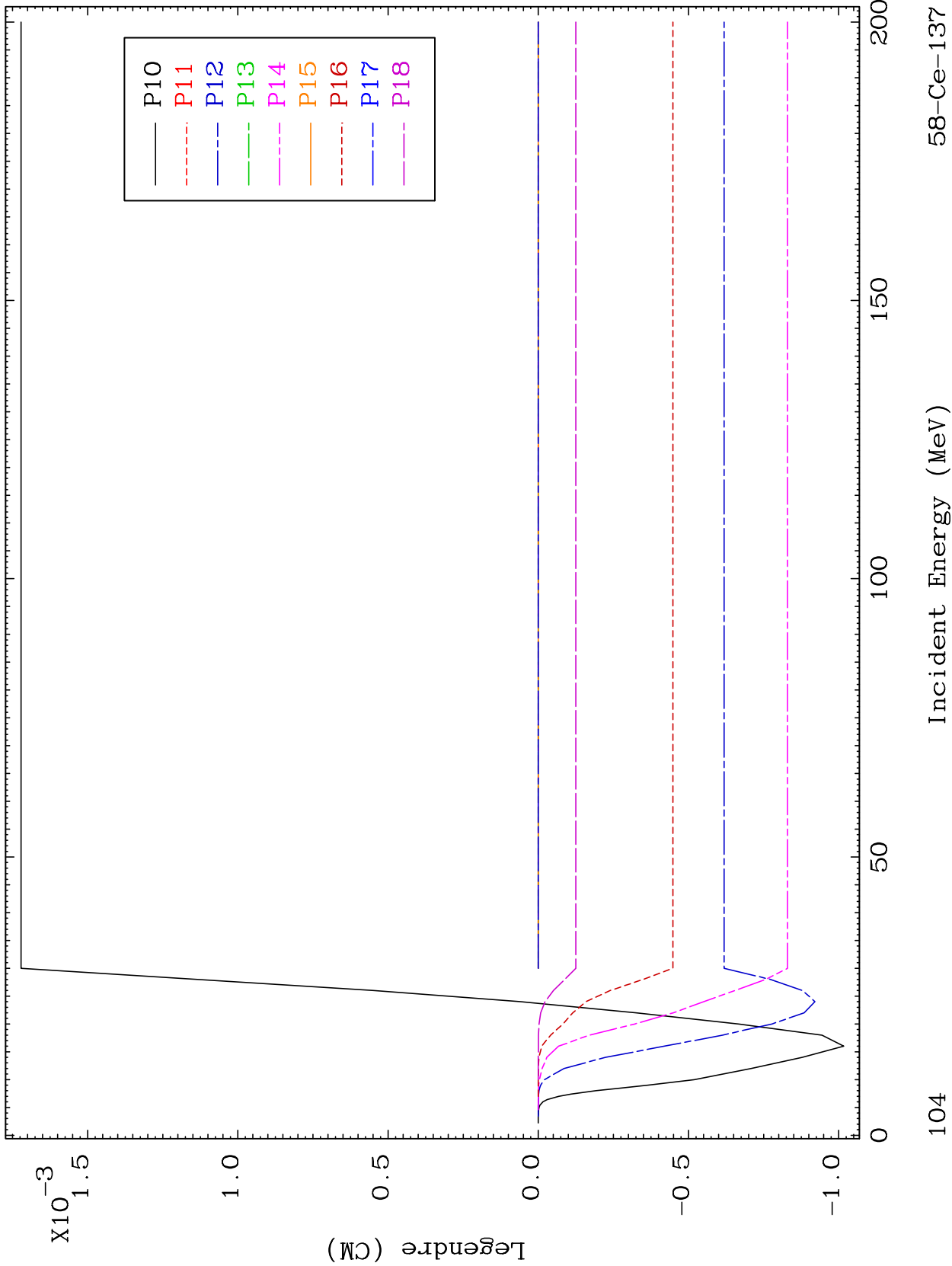
101

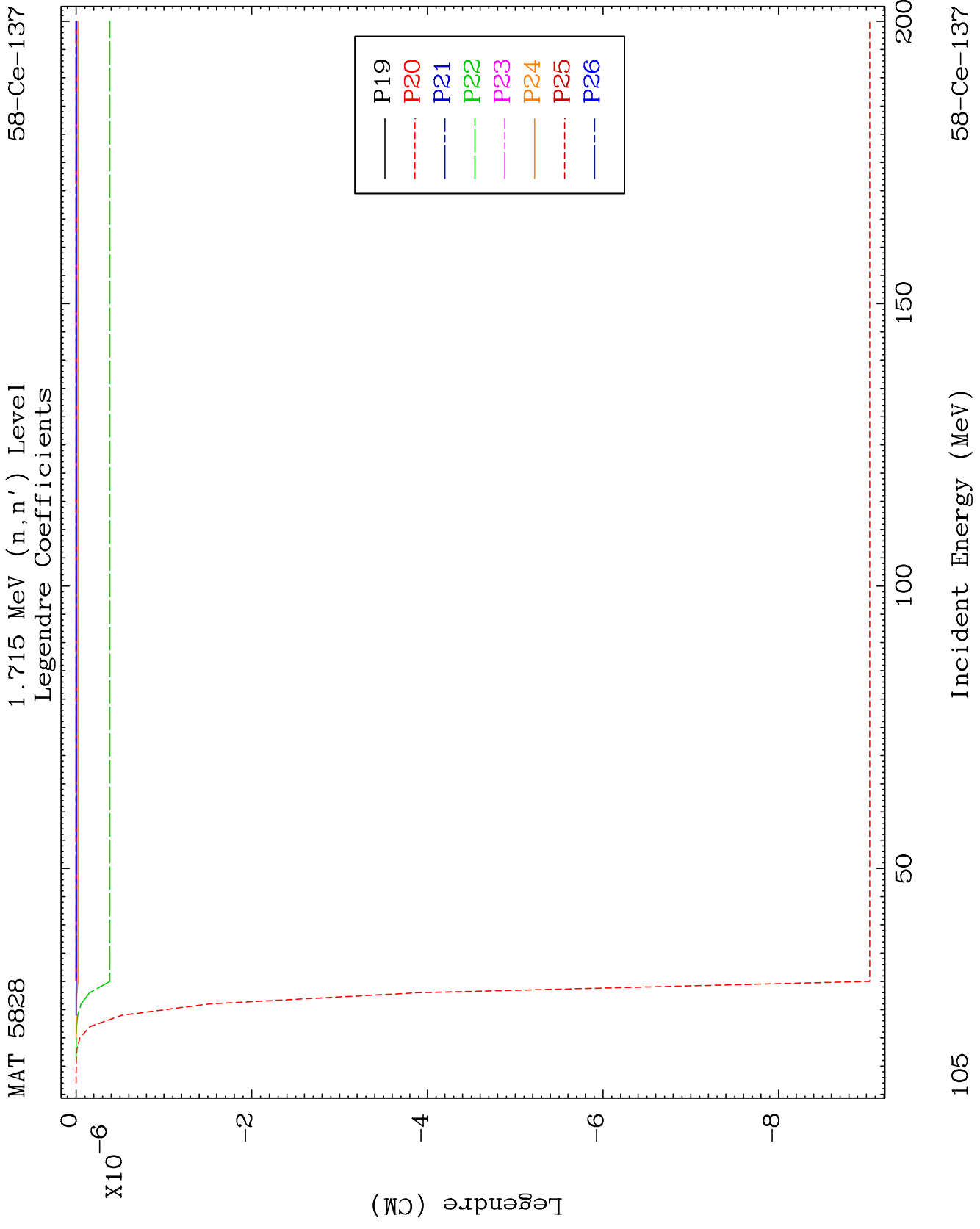
Incident Energy (MeV)

58-Ce-137





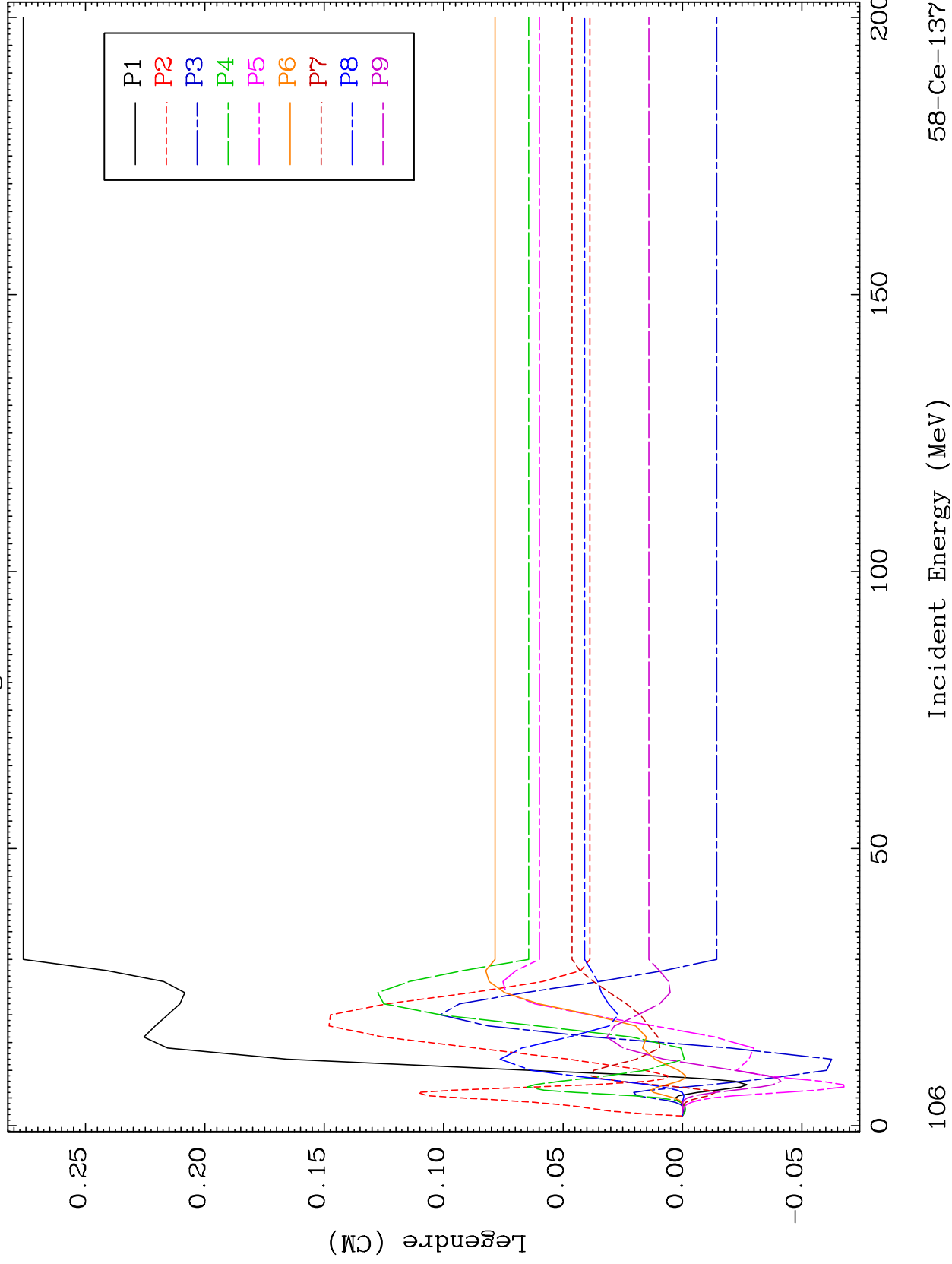




MAT 5828

1.728 MeV (n,n') Level
Legendre Coefficients

58-Ce-137



58-Ce-137

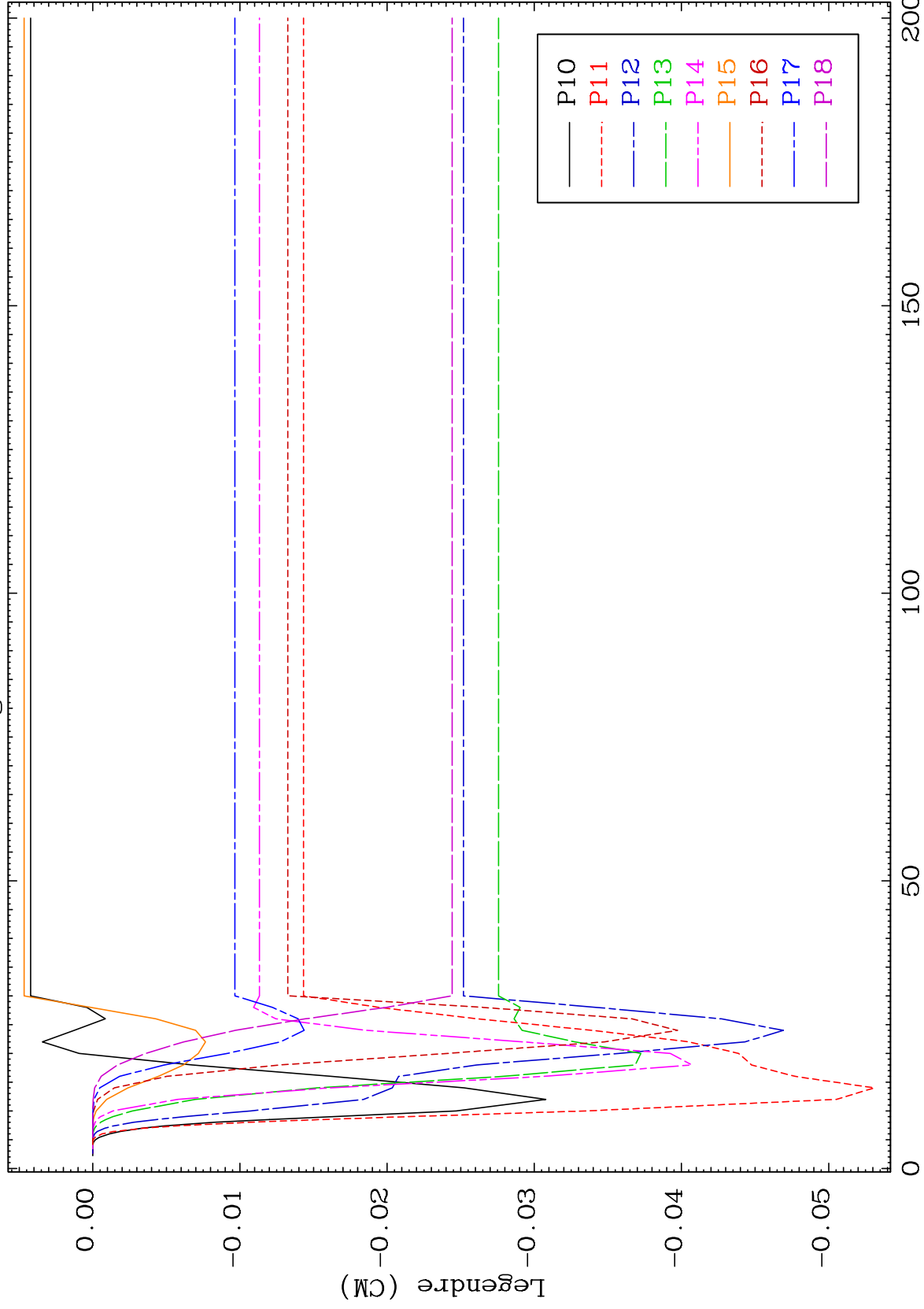
Incident Energy (MeV)

106

MAT 5828

1.728 MeV (n,n') Level
Legendre Coefficients

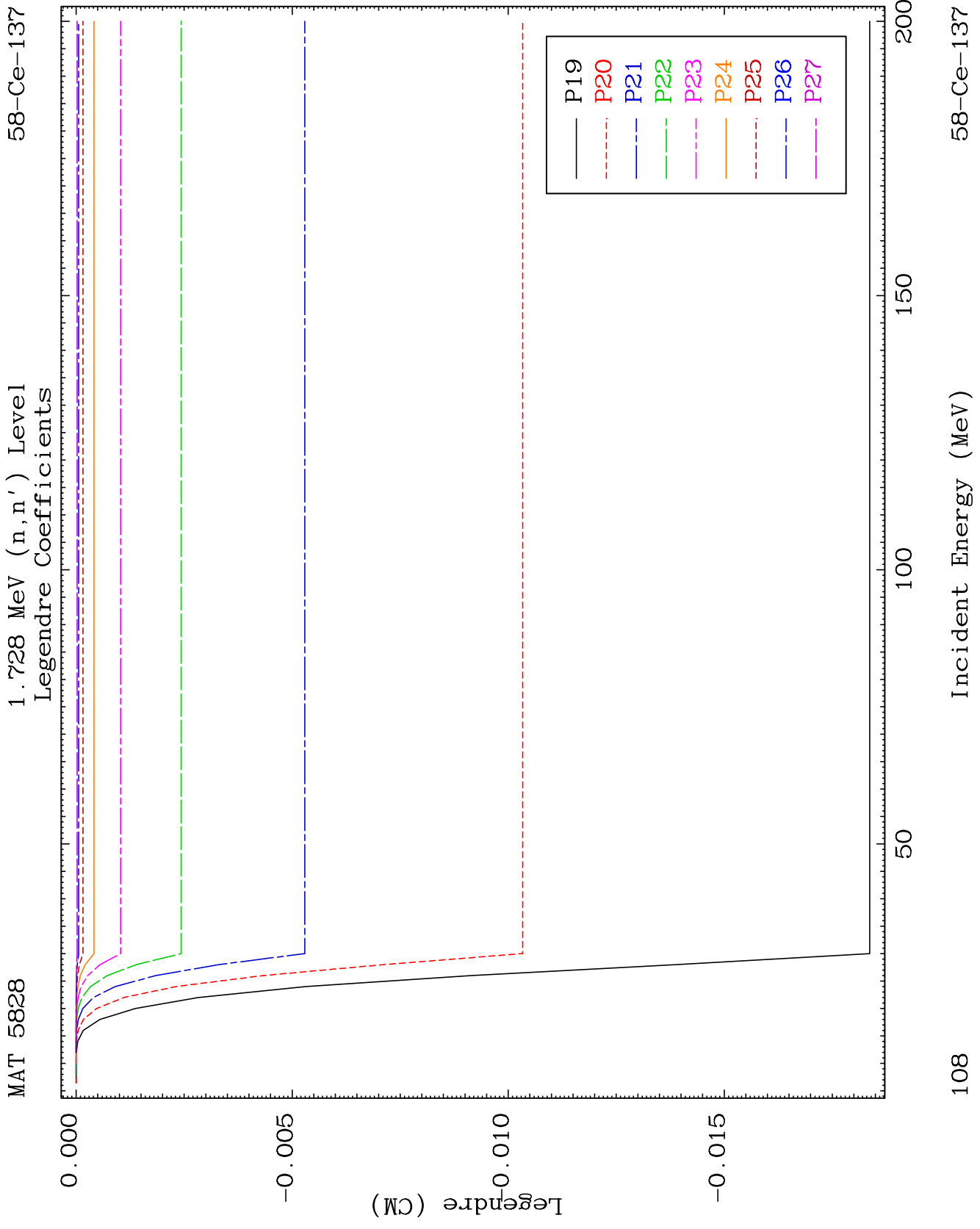
58-Ce-137

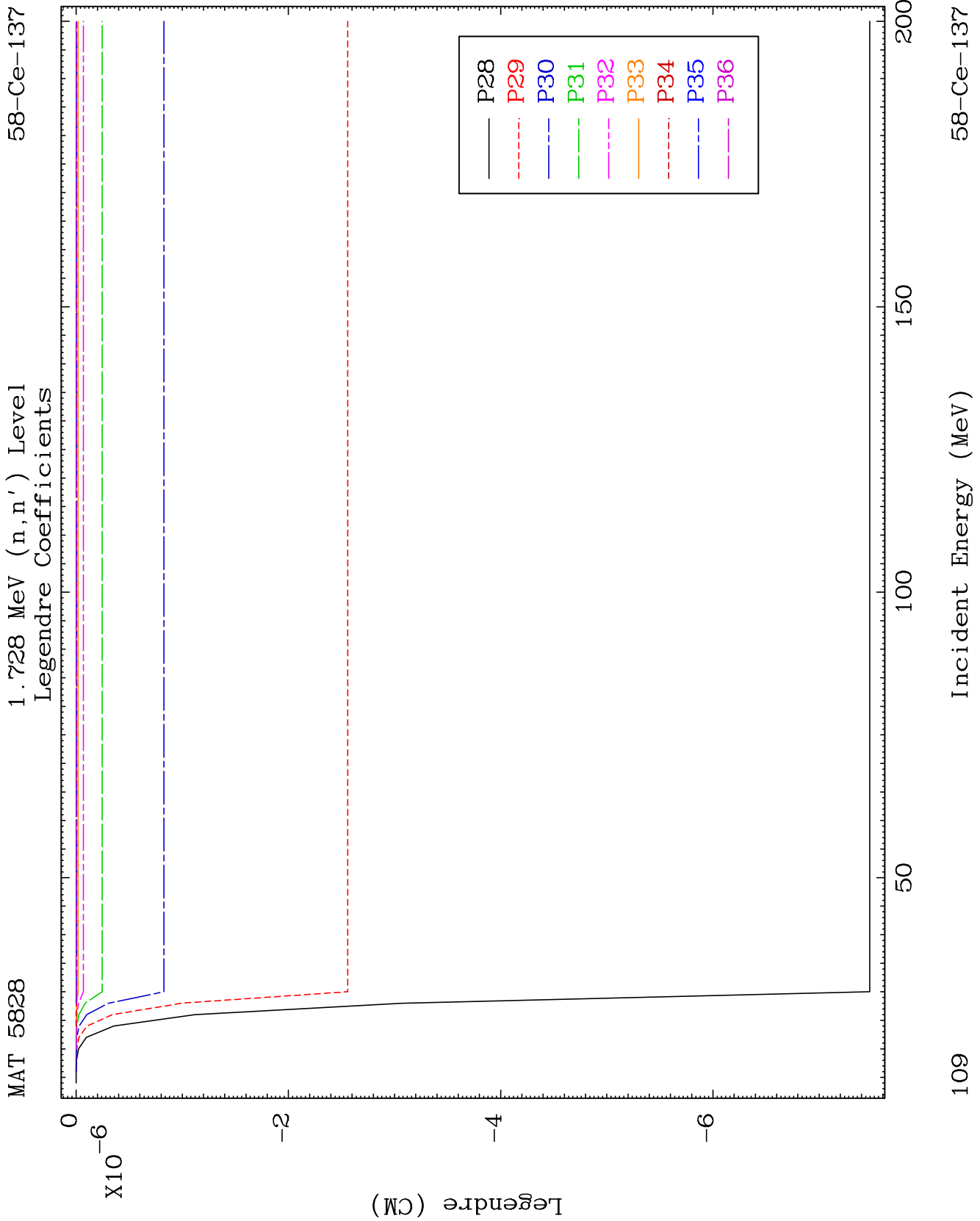


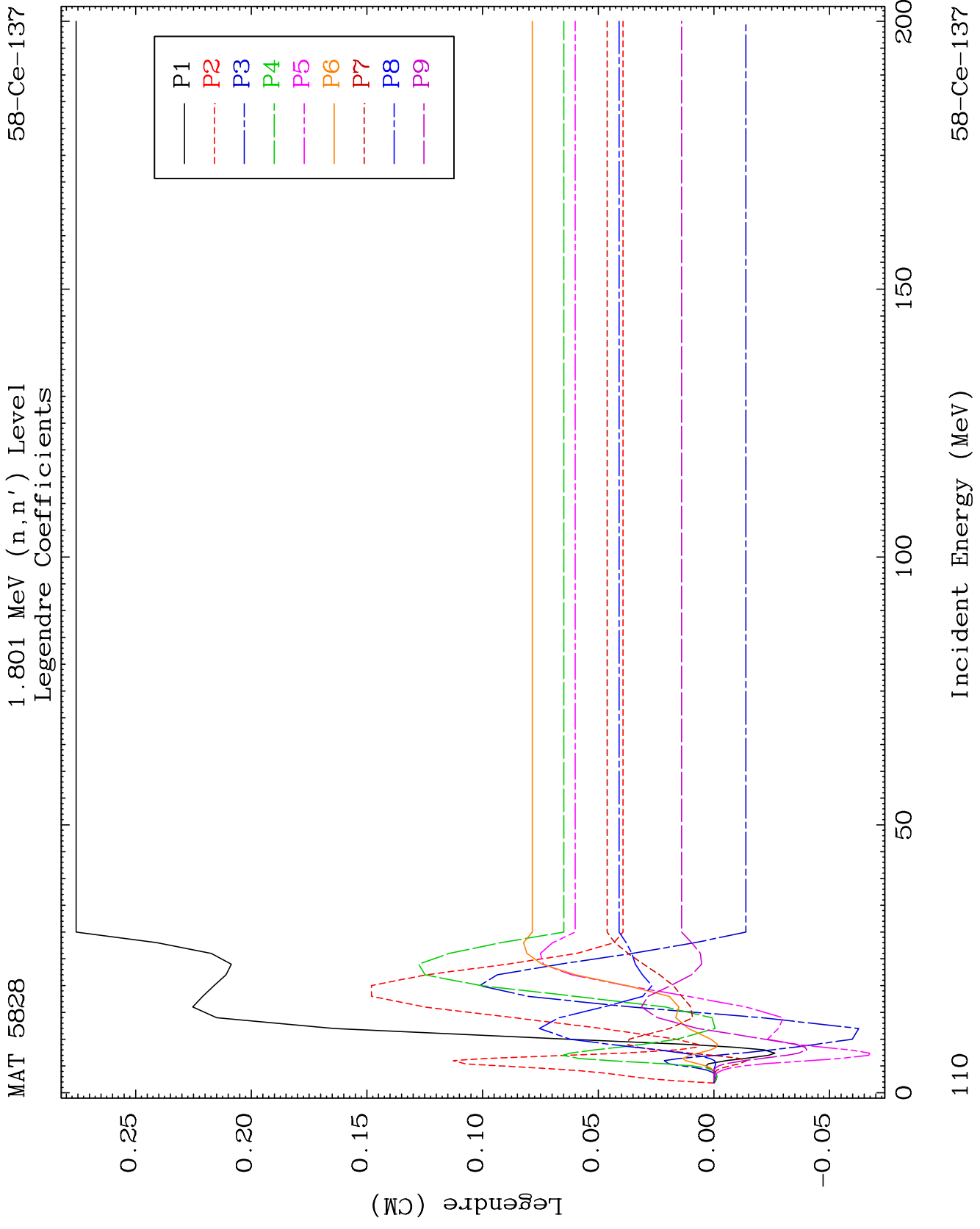
58-Ce-137

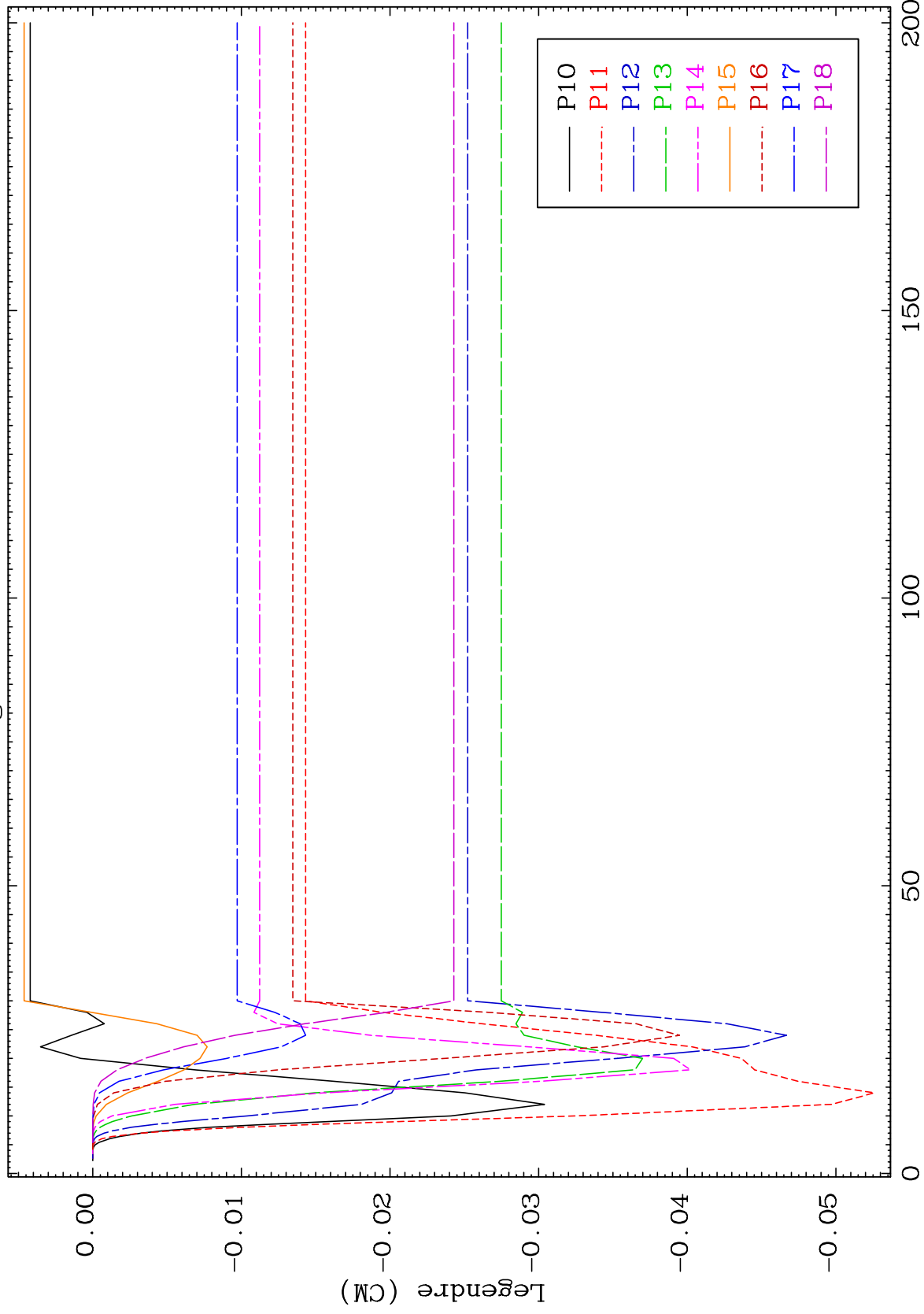
Incident Energy (MeV)

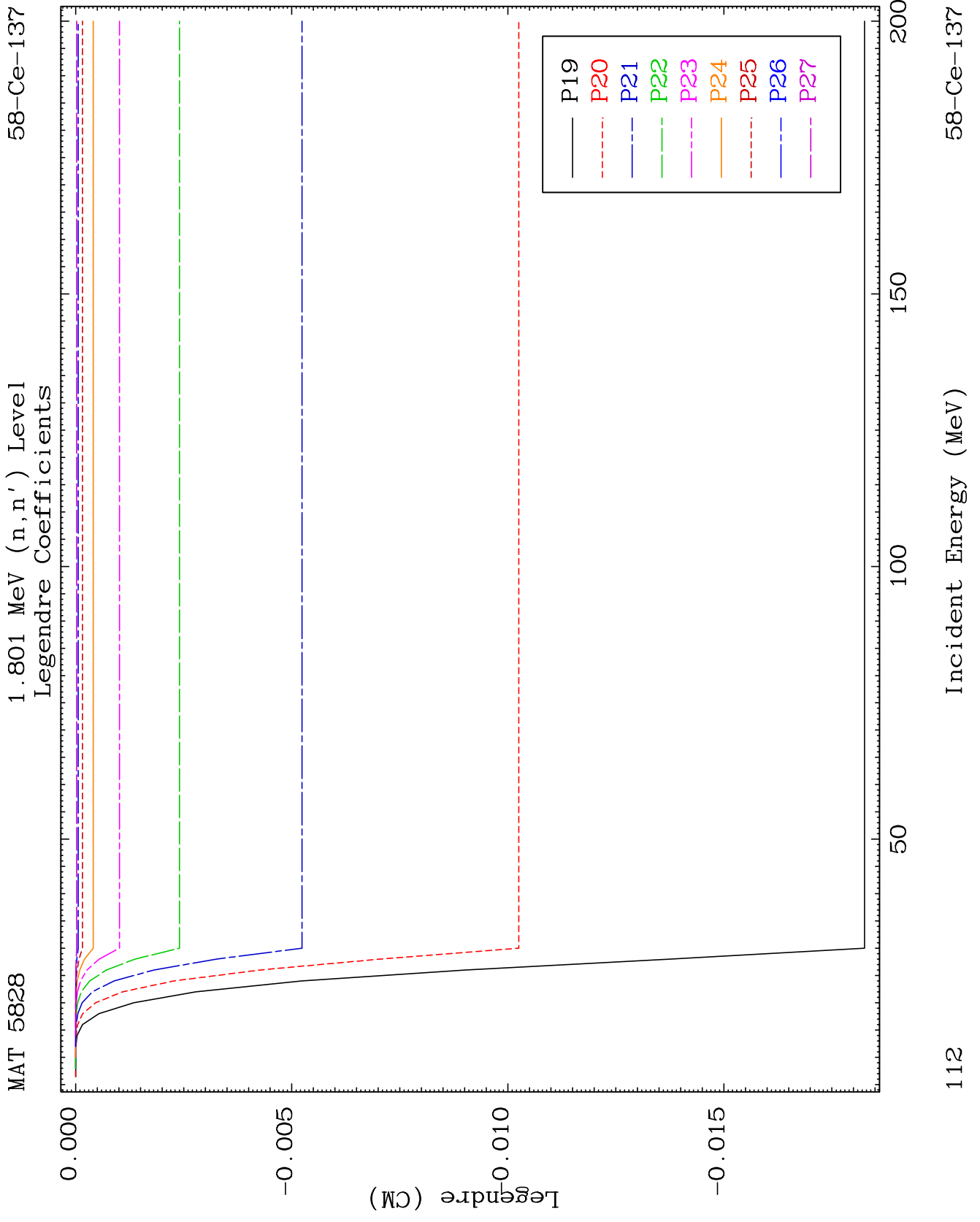
107

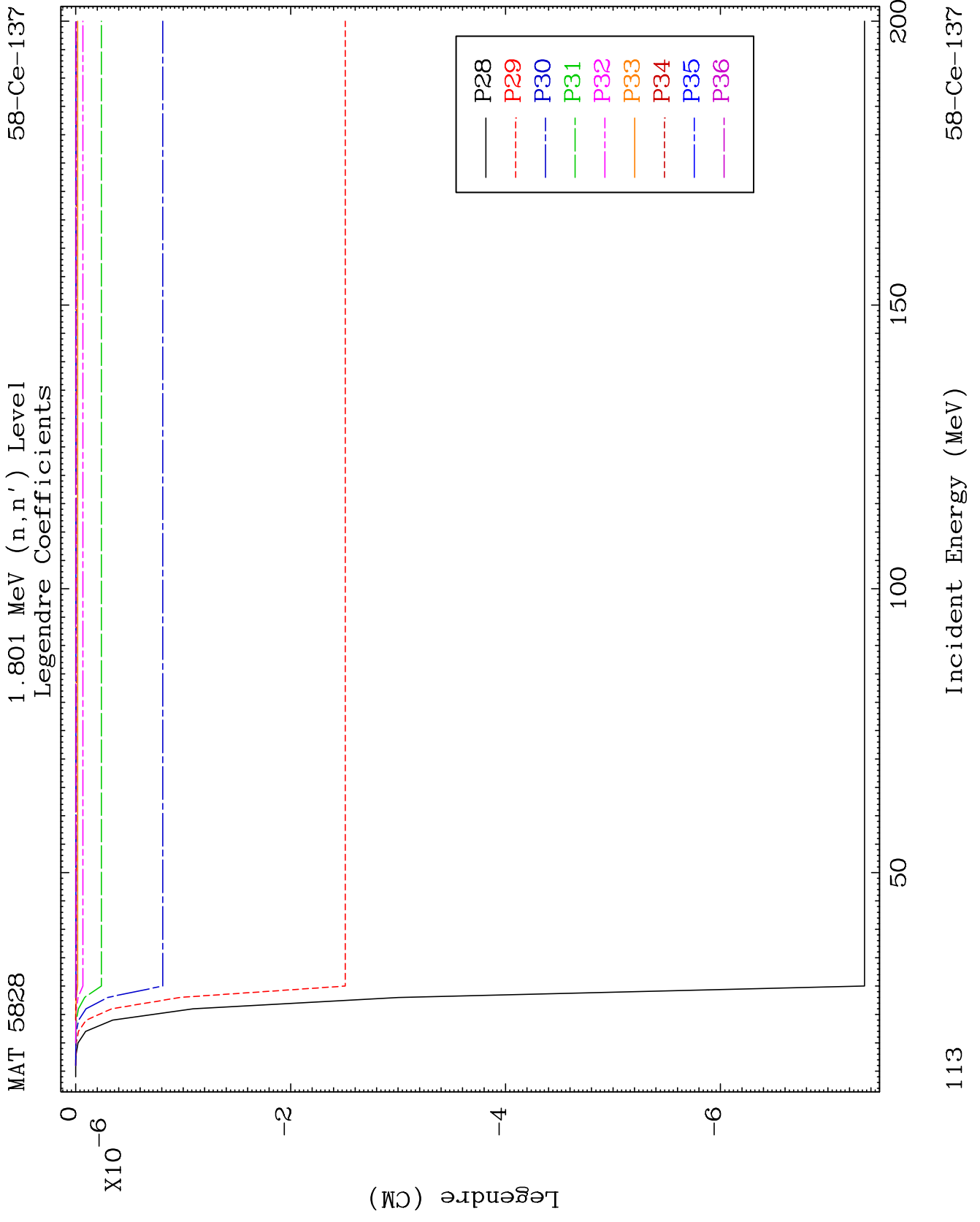


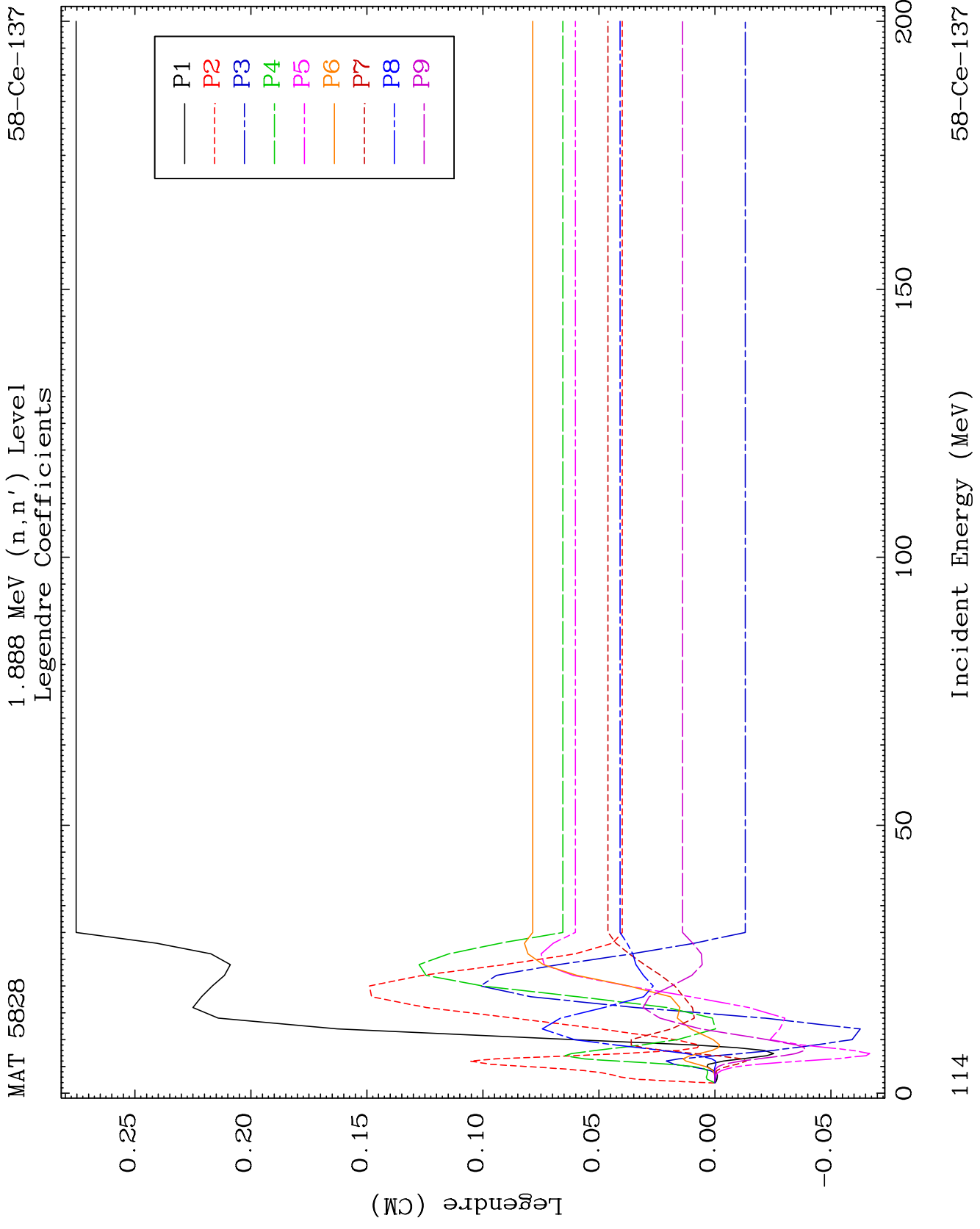


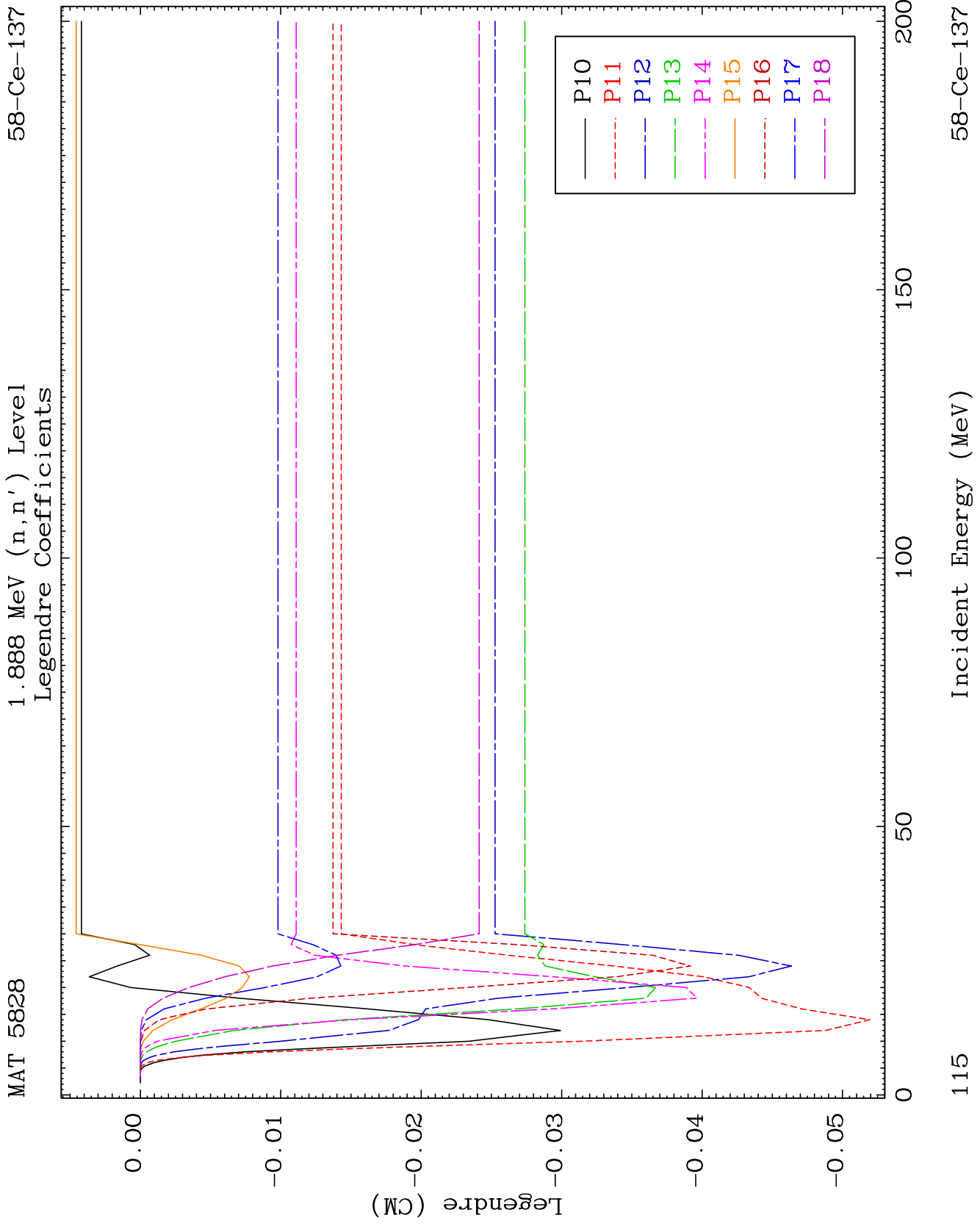


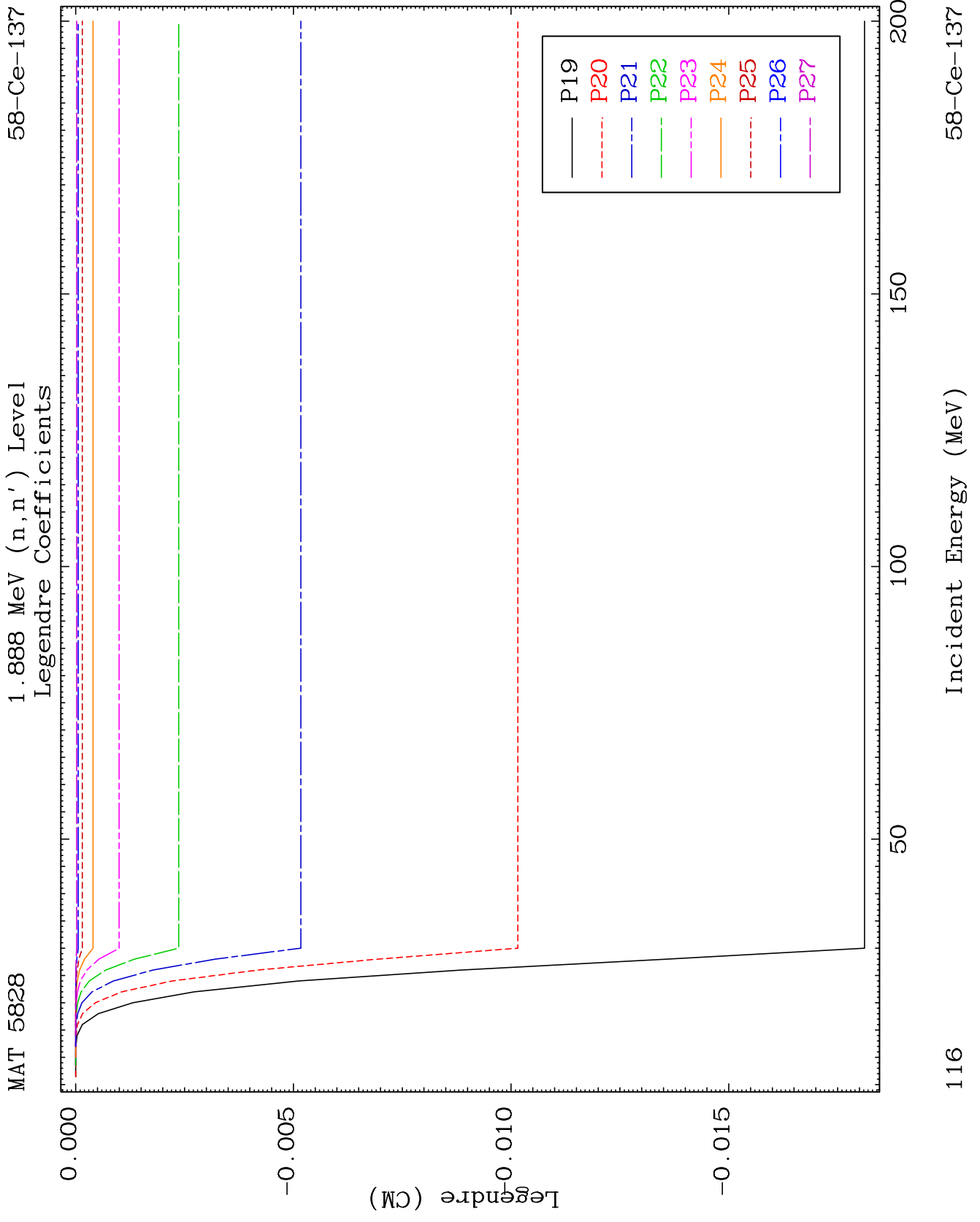


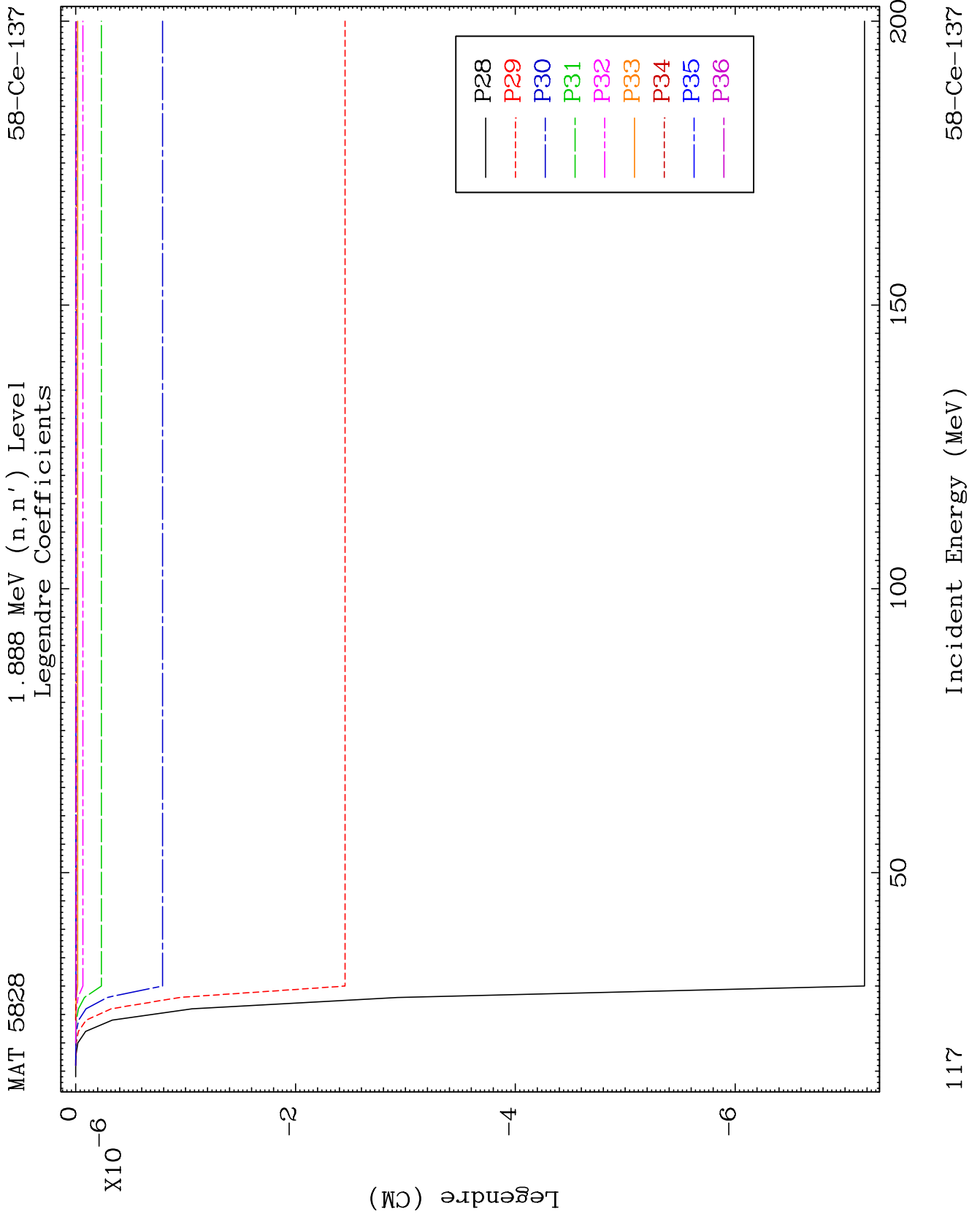








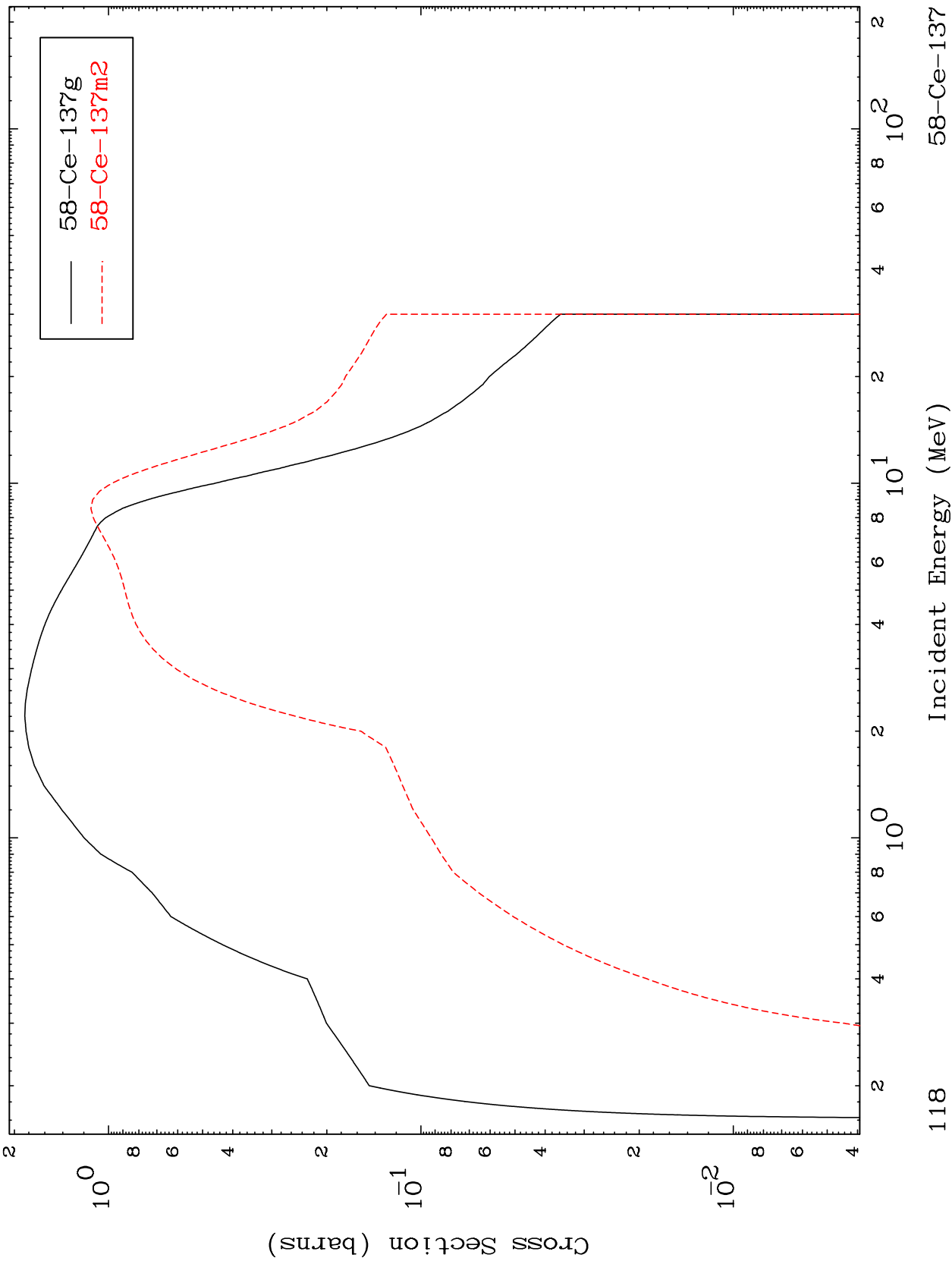




MAT 5828

58-Ce-137

Inelastic
Radionuclide Production Cross Section



118

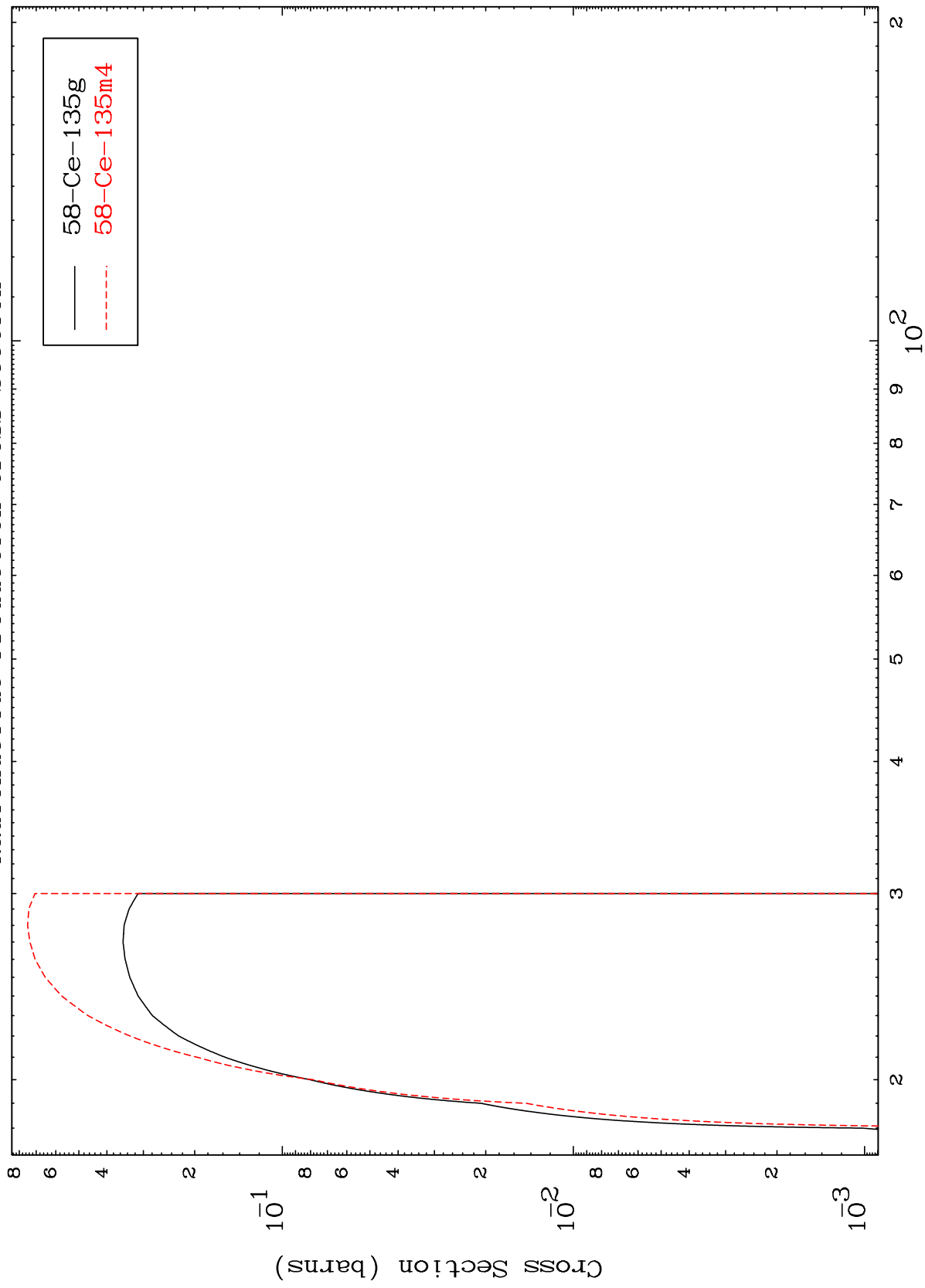
Incident Energy (MeV)

58-Ce-137

MAT 5828

58-Ce-137

(n,3n)
Radionuclide Production Cross Section



119

Incident Energy (MeV)

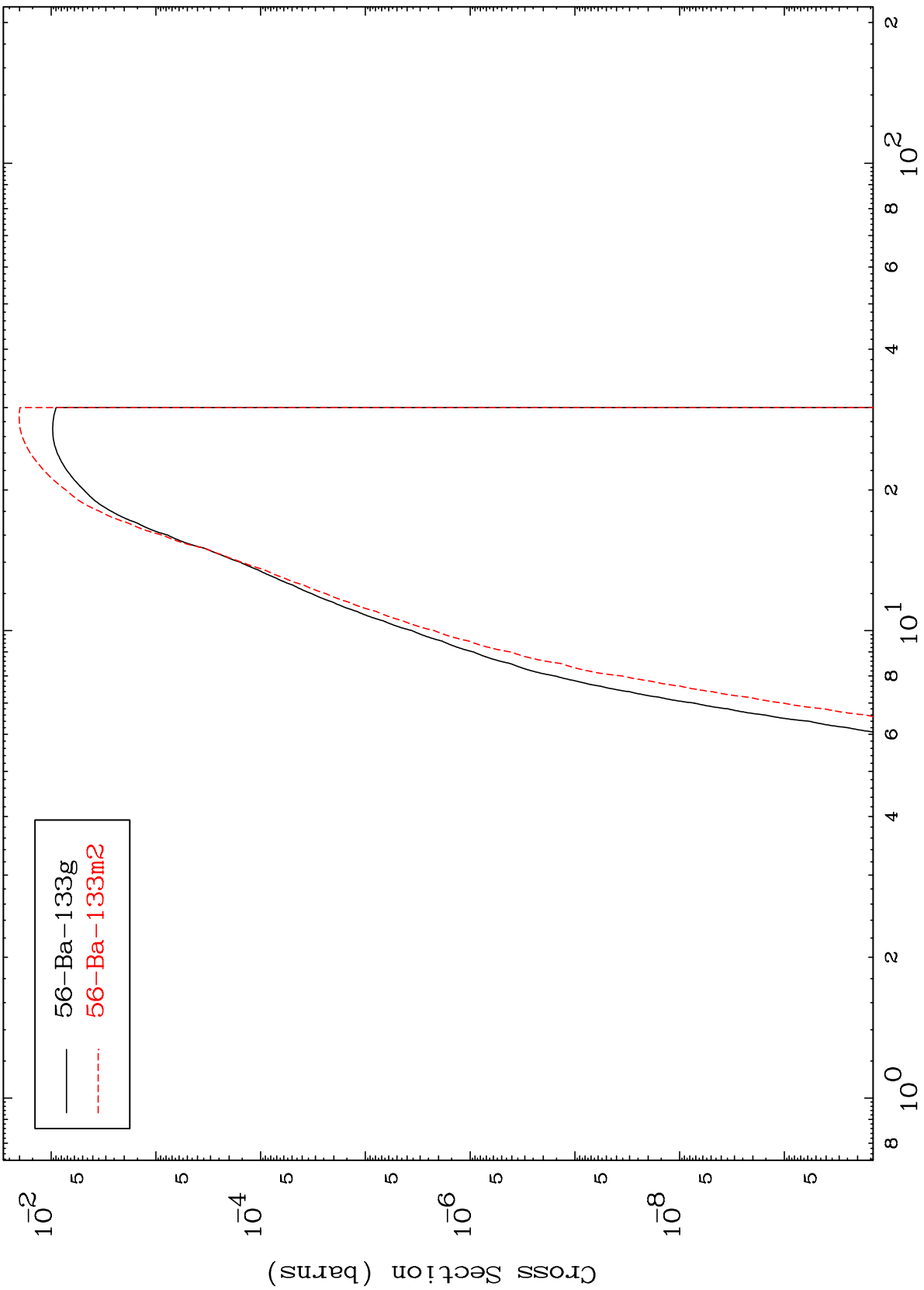
58-Ce-137

MAT 5828

(n,n') α

58-Ce-137

Radionuclide Production Cross Section



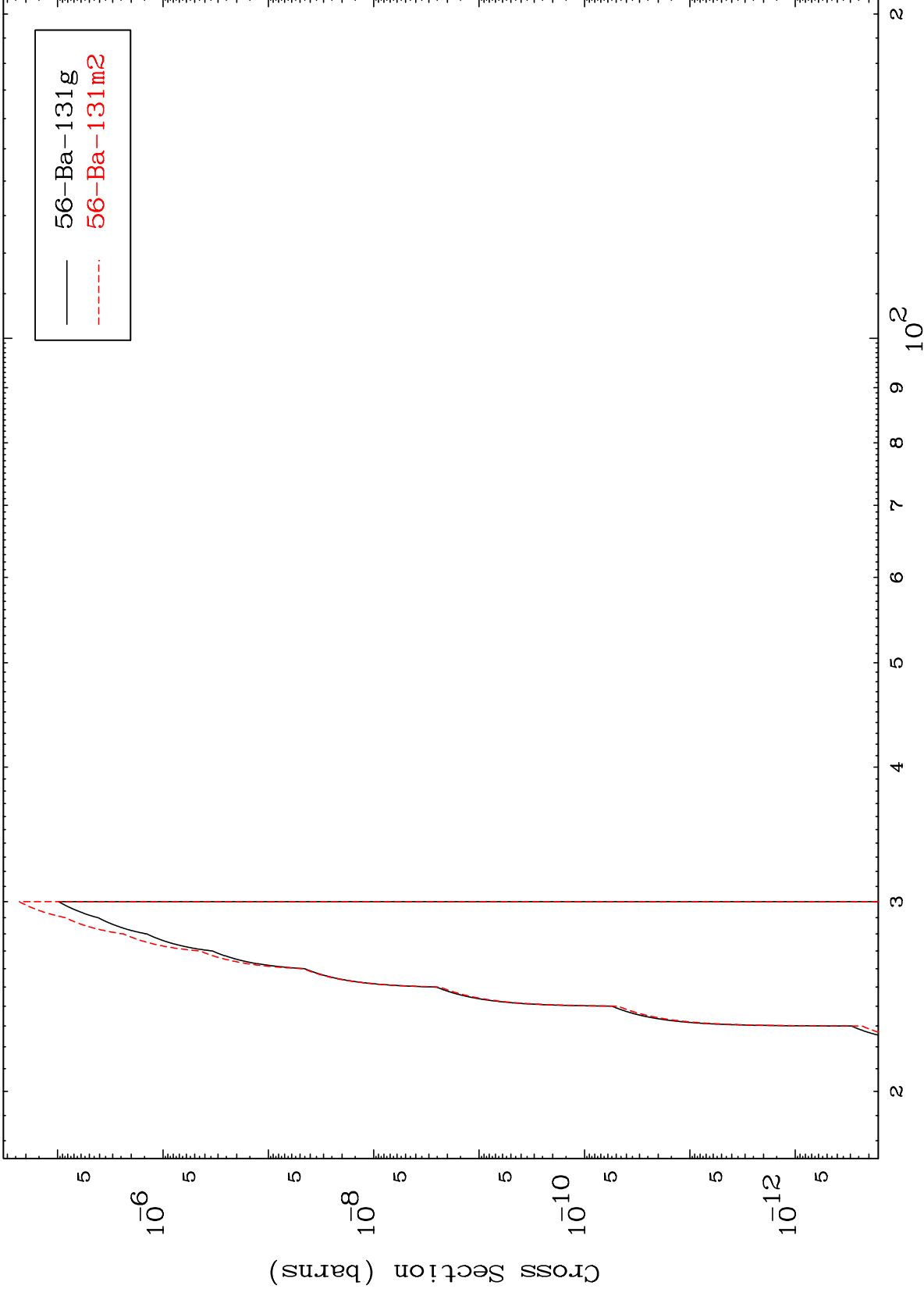
56-Ba-133g
56-Ba-133m2

Incident Energy (MeV)

58-Ce-137

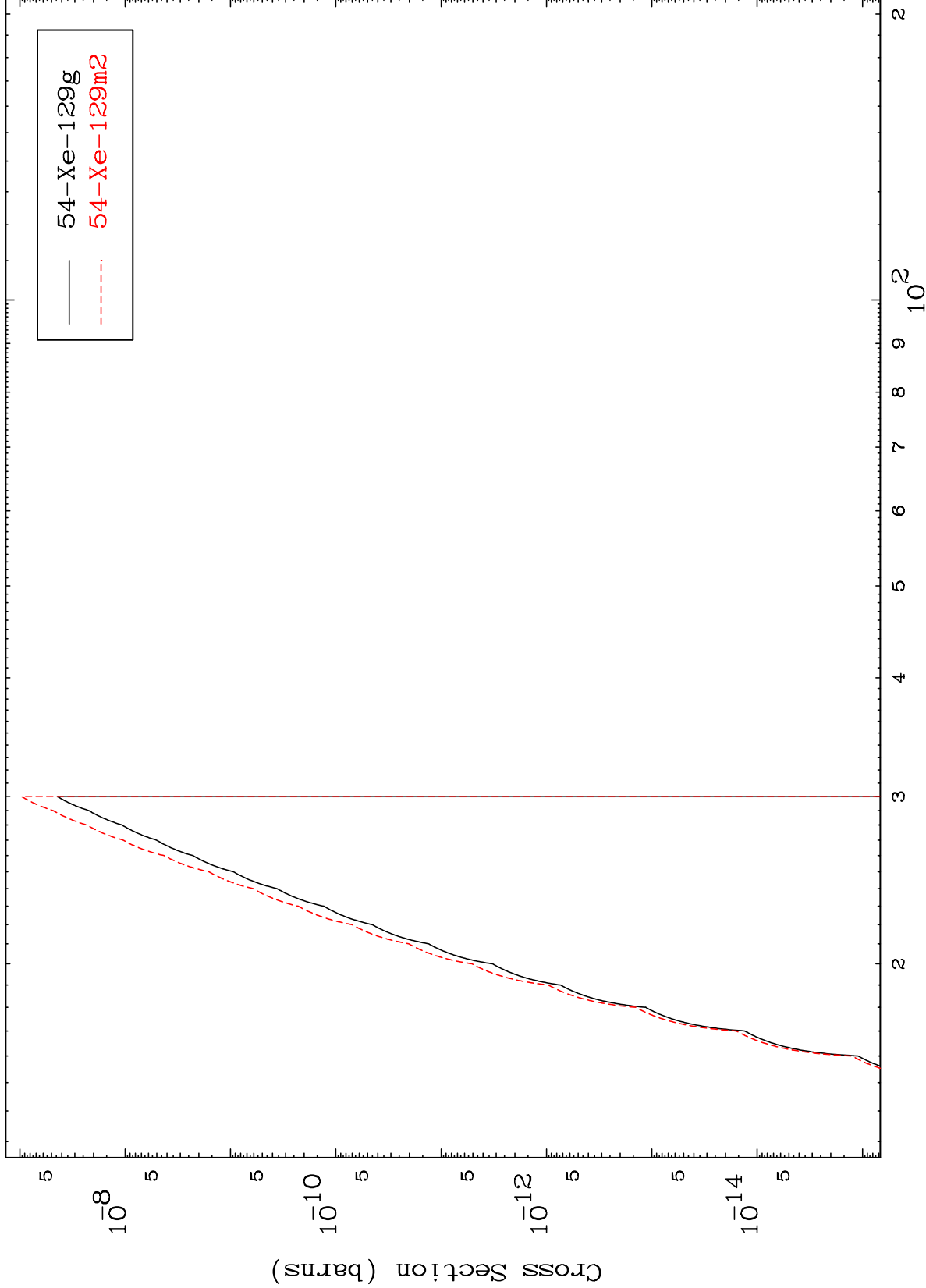
120

Radionuclide Production Cross Section

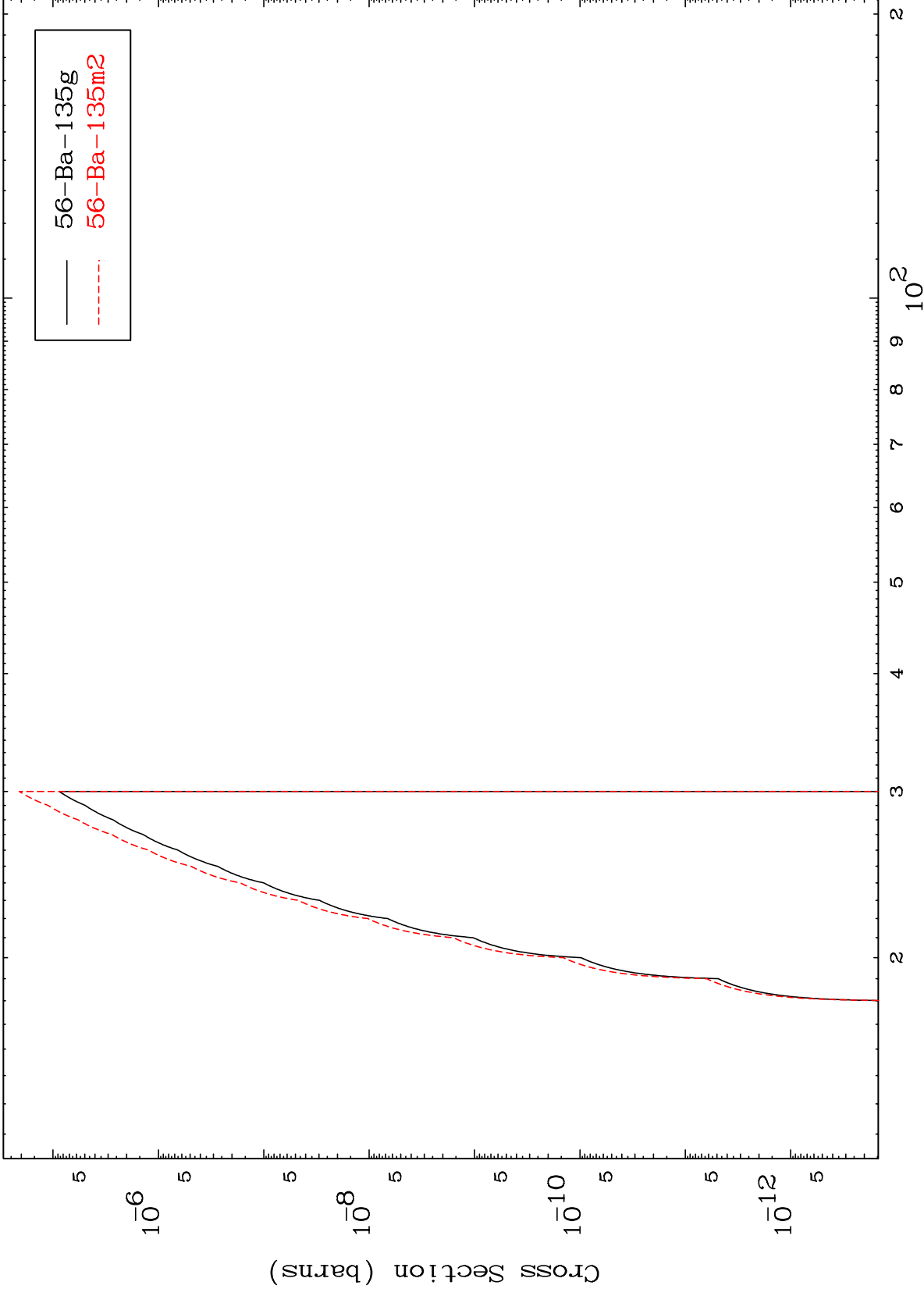


56-Ba-131g
56-Ba-131m2

Radionuclide Production Cross Section



Radionuclide Production Cross Section



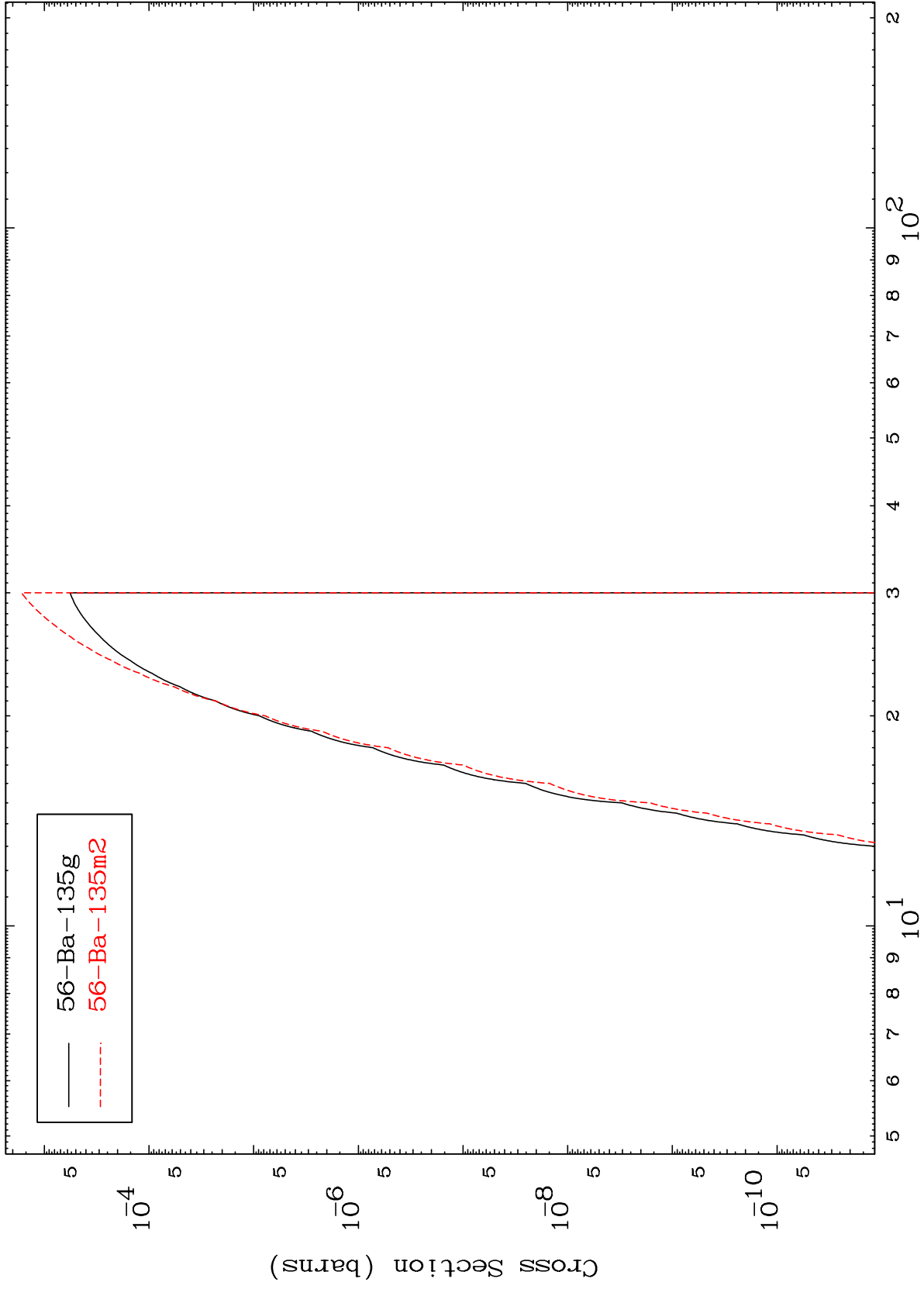
56-Ba-135g
56-Ba-135m2

MAT 5828

(n,He-3)

58-Ce-137

Radionuclide Production Cross Section



124

Incident Energy (MeV)

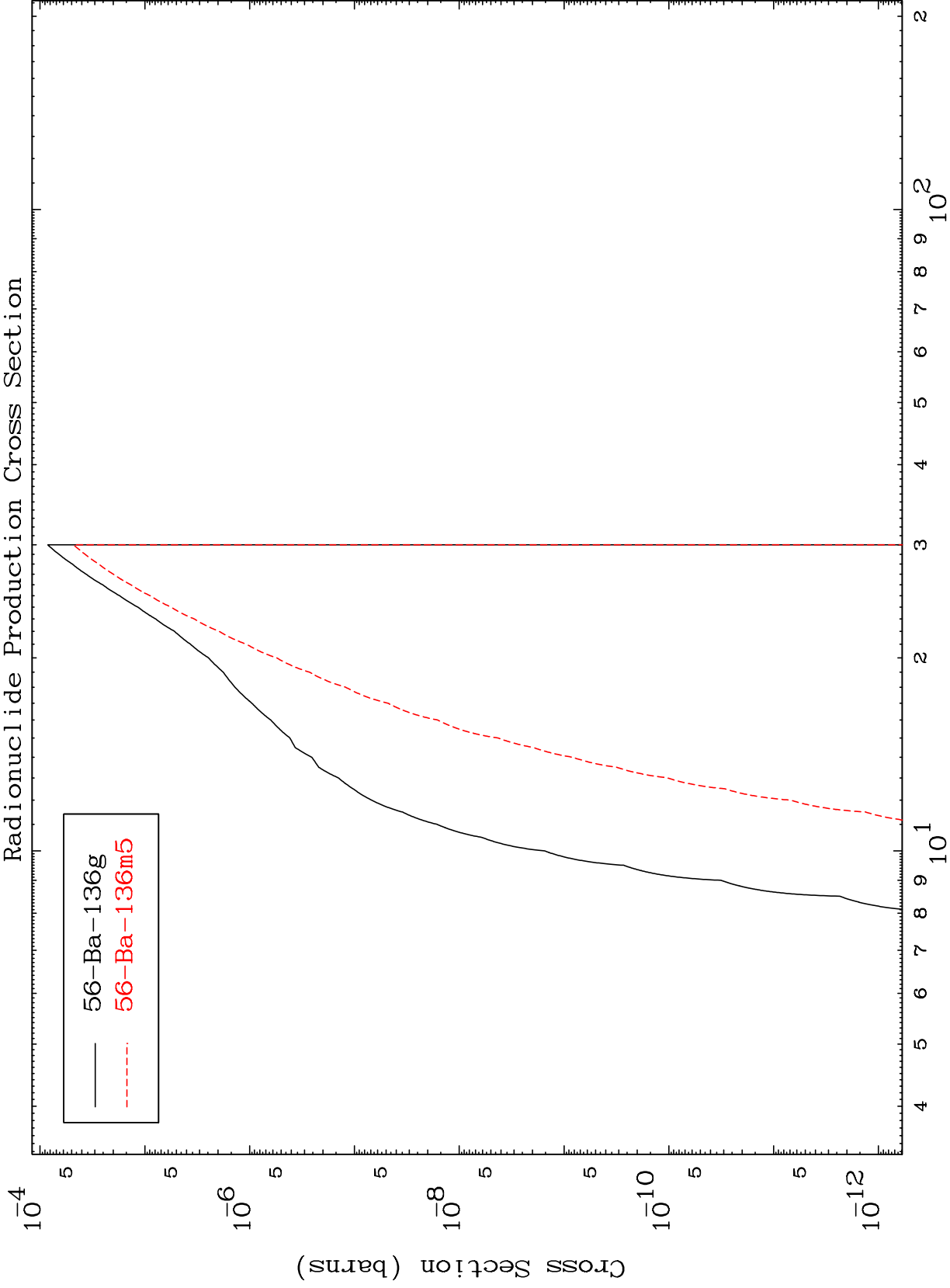
58-Ce-137

MAT 5828

(n,2p)

58-Ce-137

Radionuclide Production Cross Section



125

Incident Energy (MeV)

58-Ce-137

Radionuclide Production Cross Section

