

Program EVALPLOT
(Version 2021-1)

by

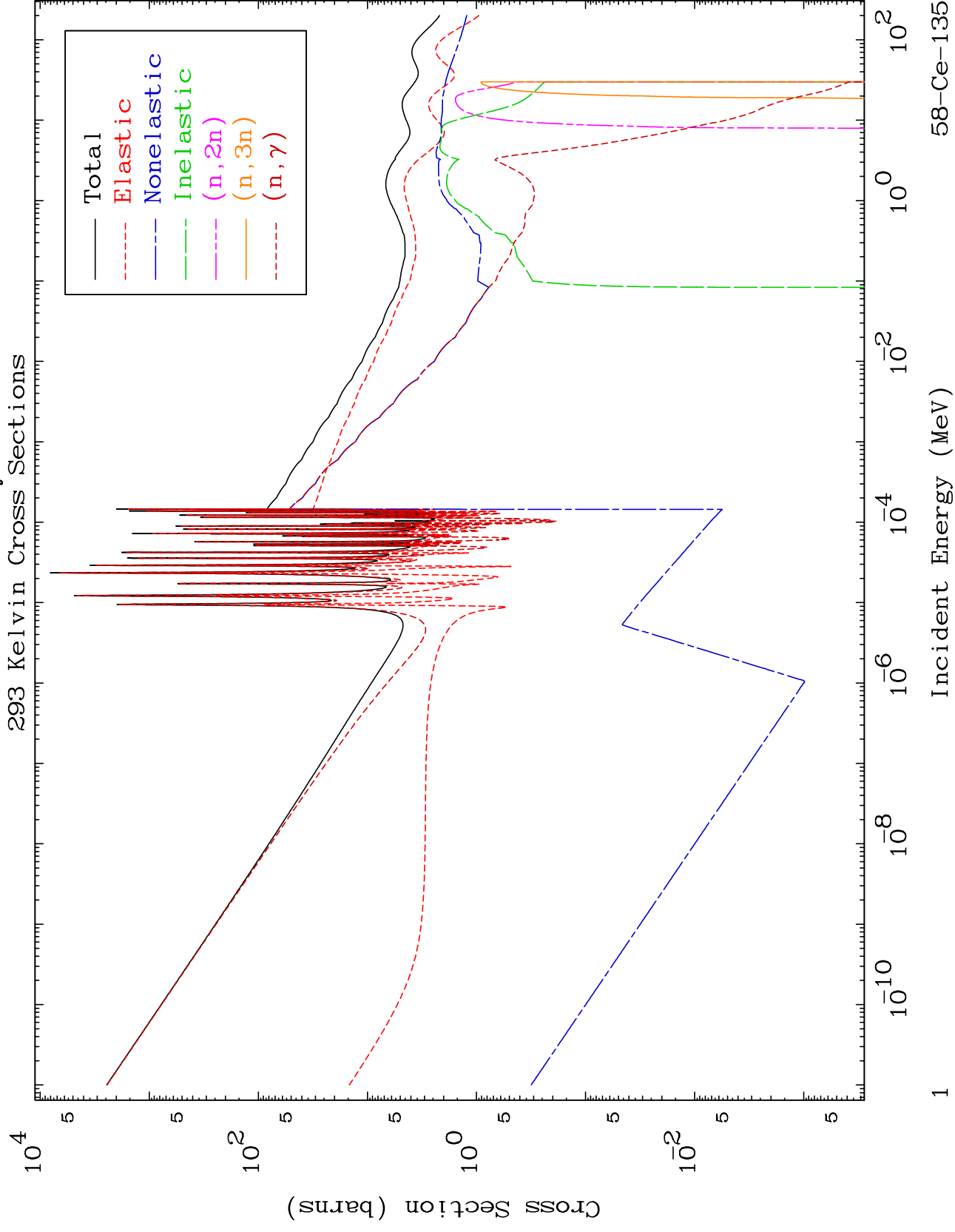
Dermott E. Cullen
(Present Contact Information)

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

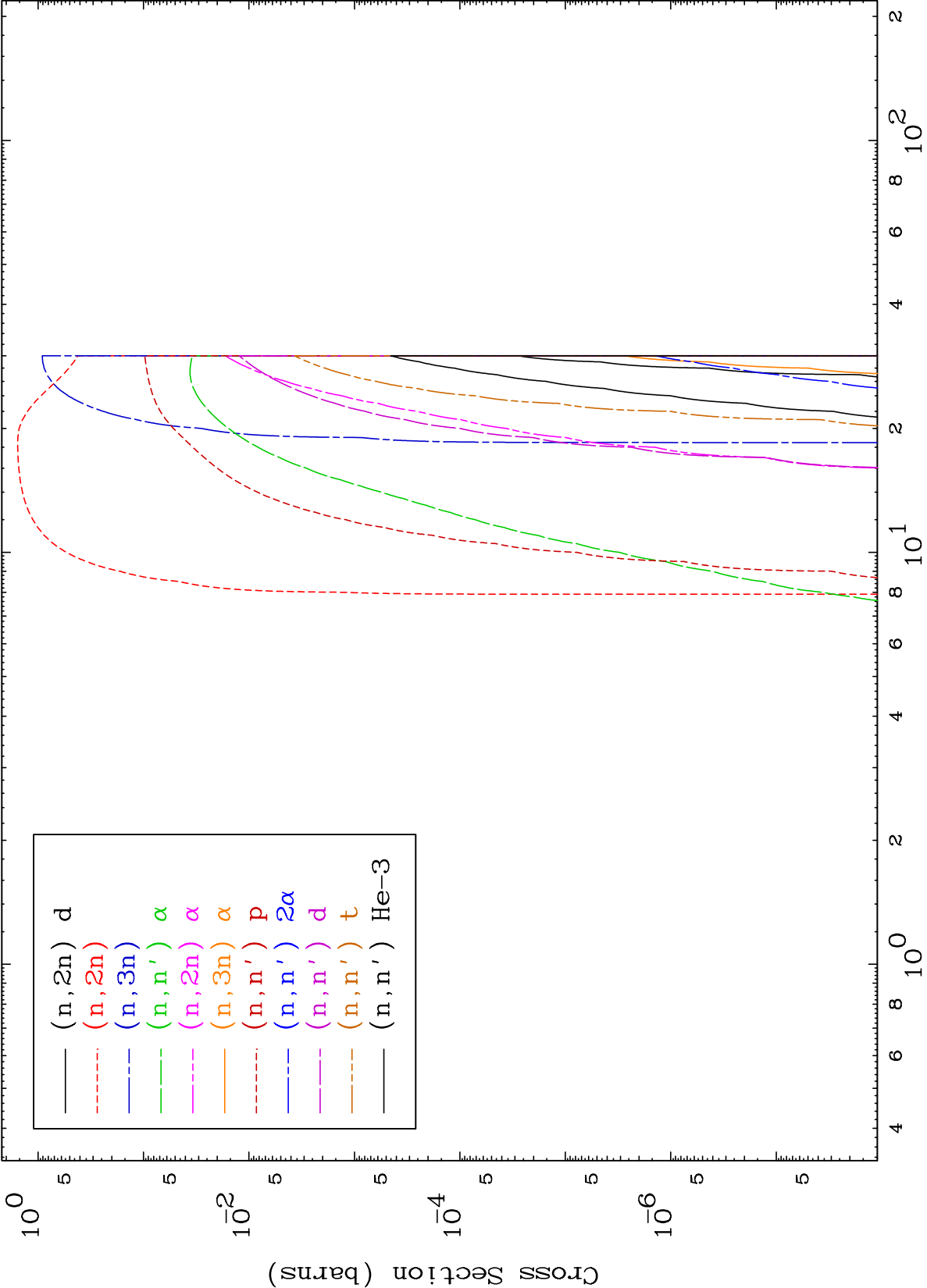


MAT 5822

Neutron Absorption

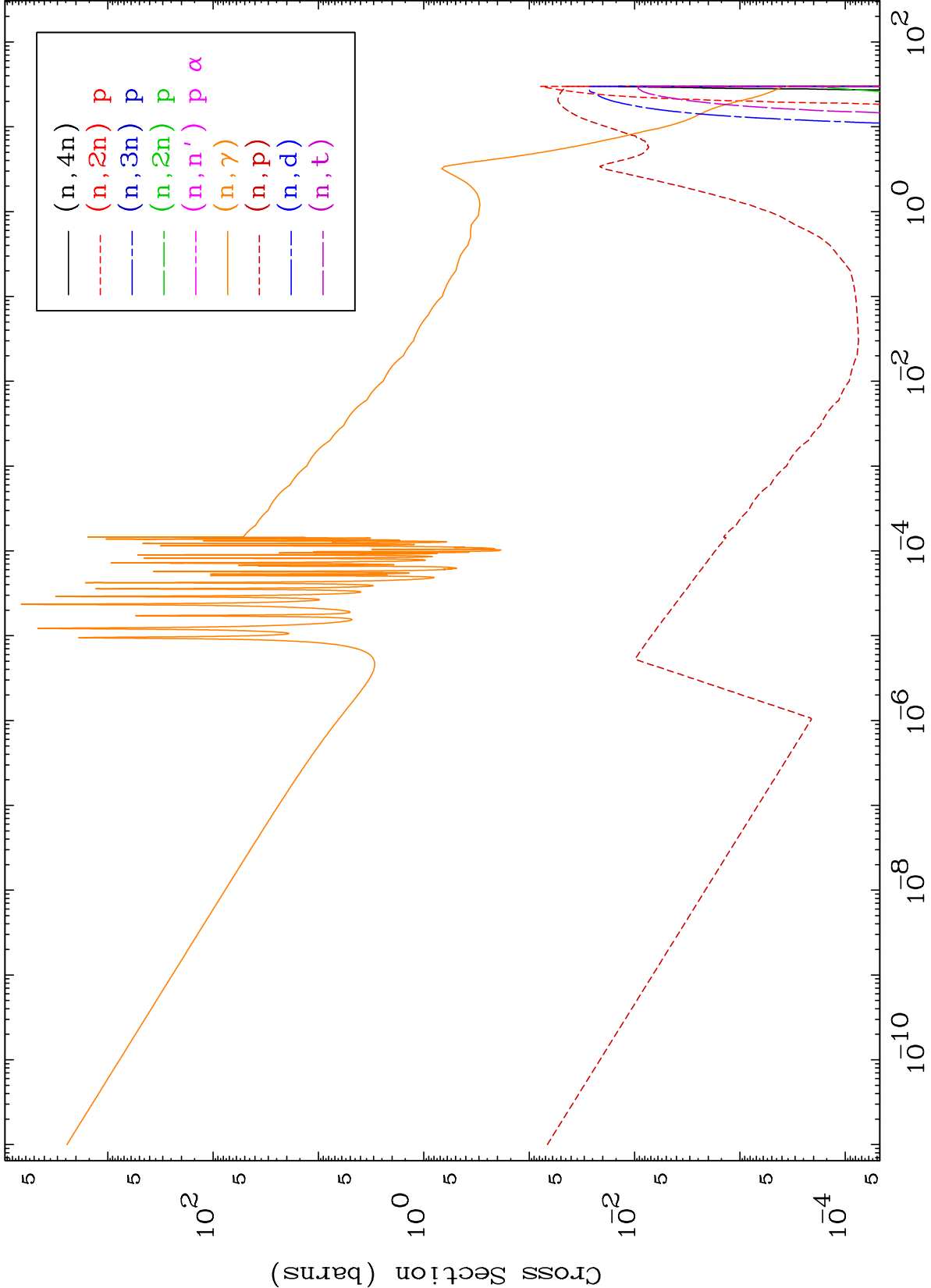
58-Ce-135

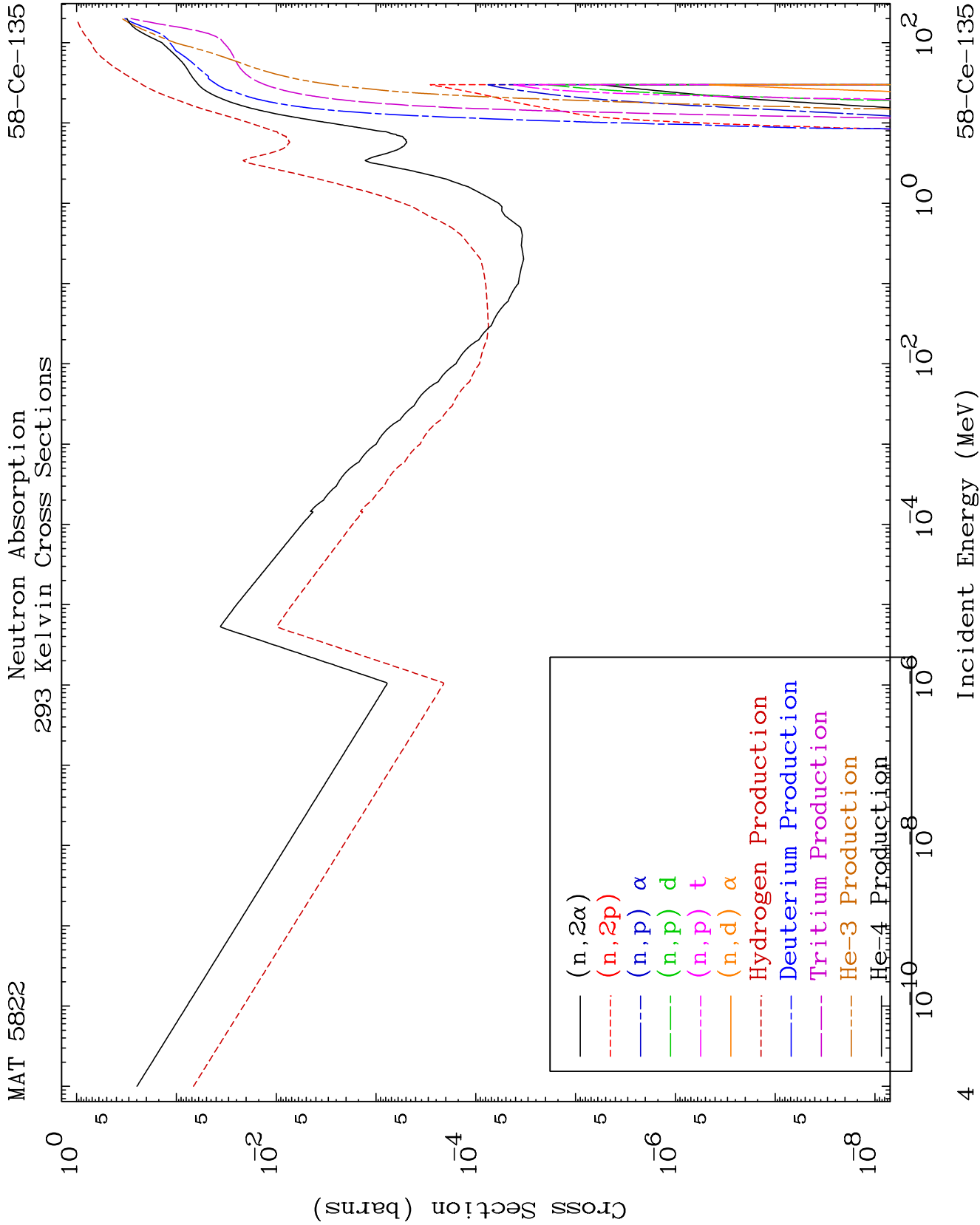
293 Kelvin Cross Sections

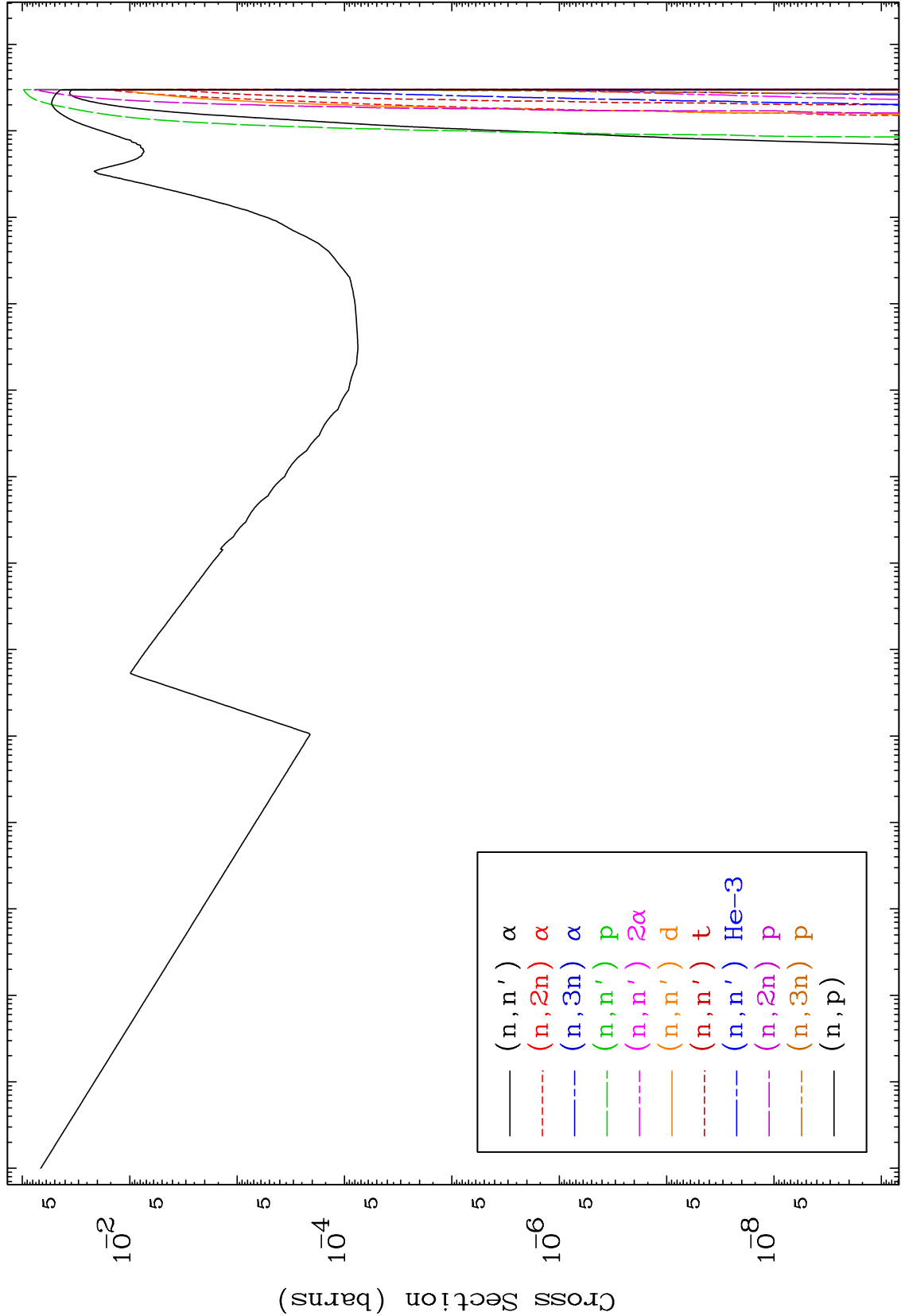


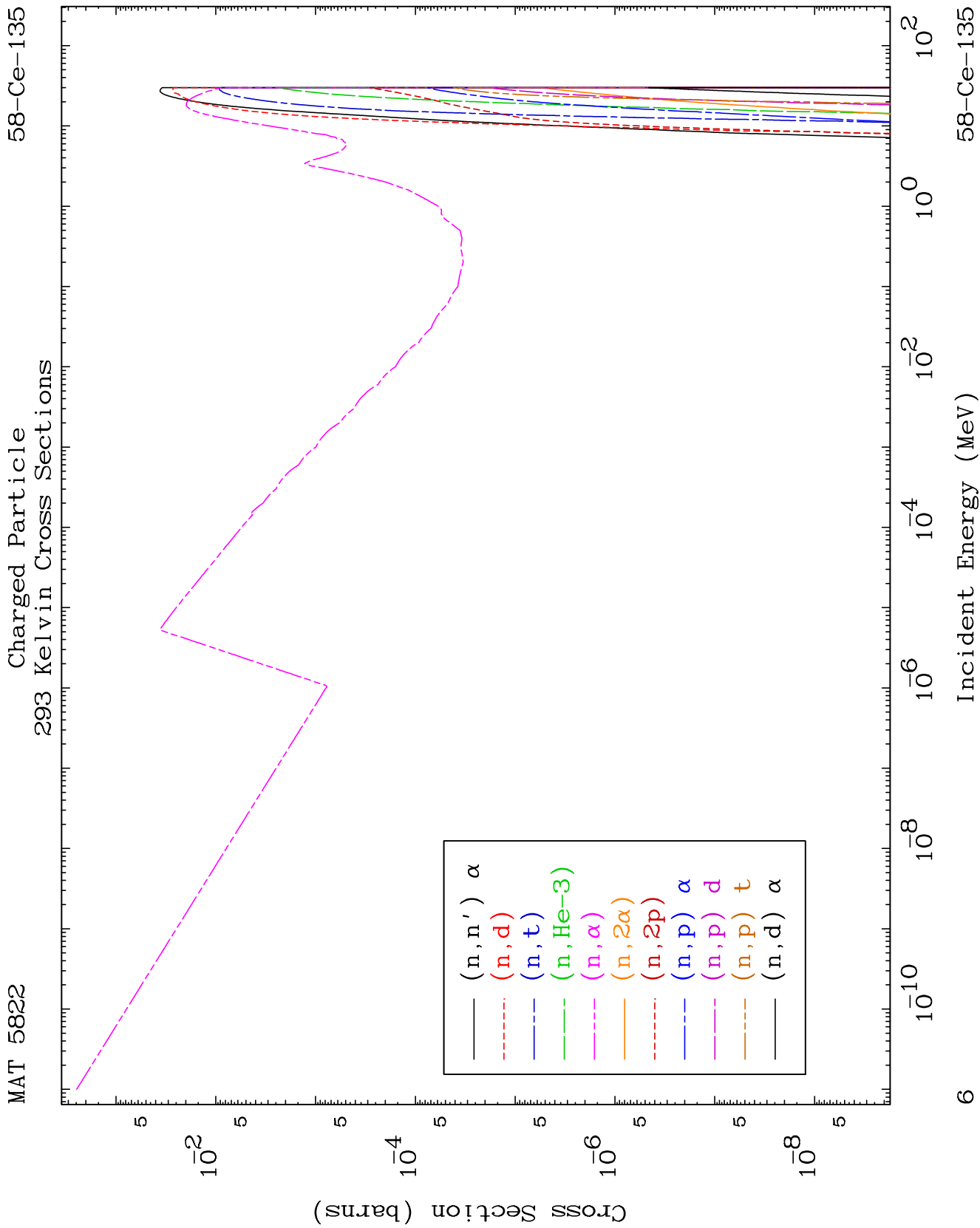
Incident Energy (MeV)

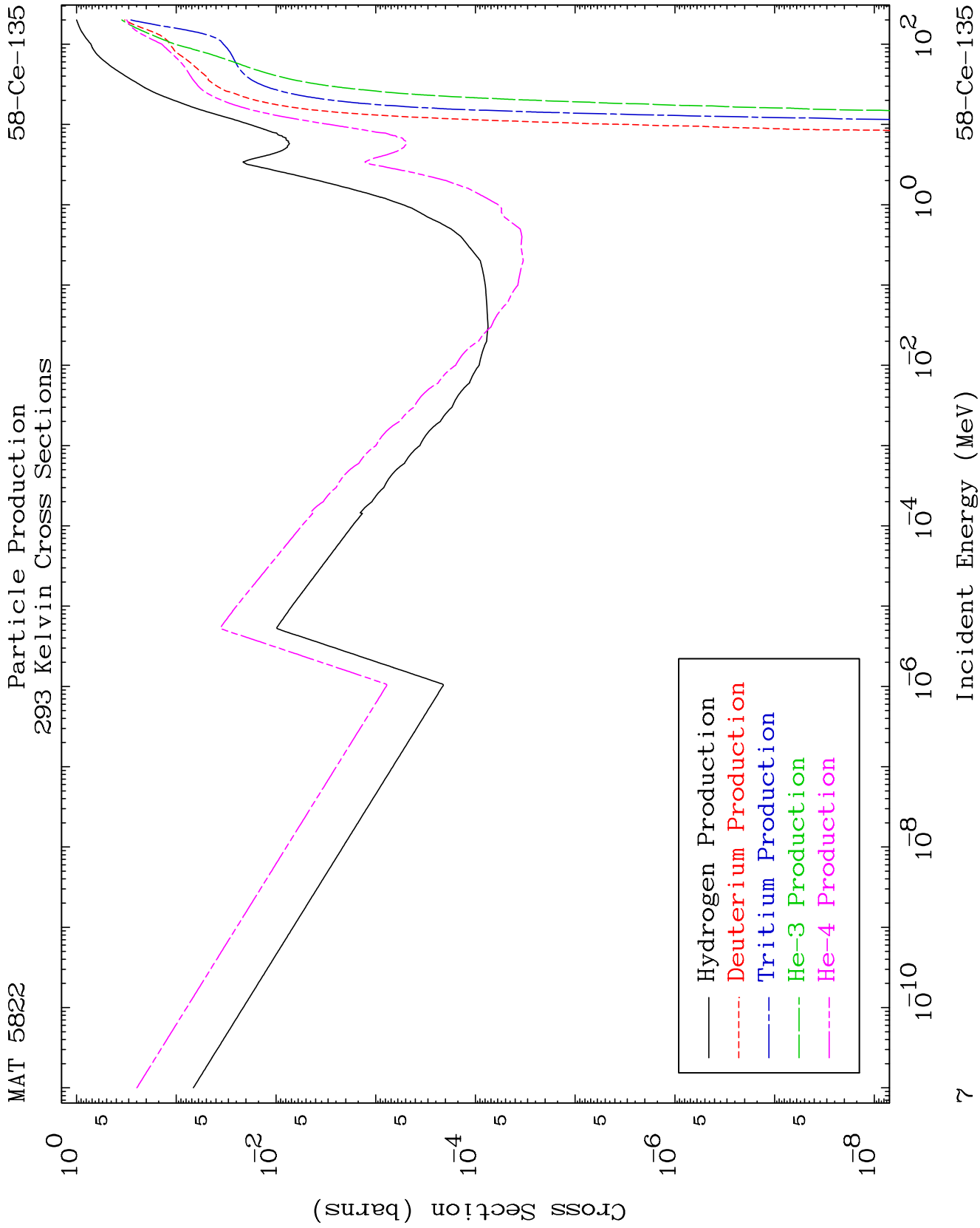
58-Ce-135

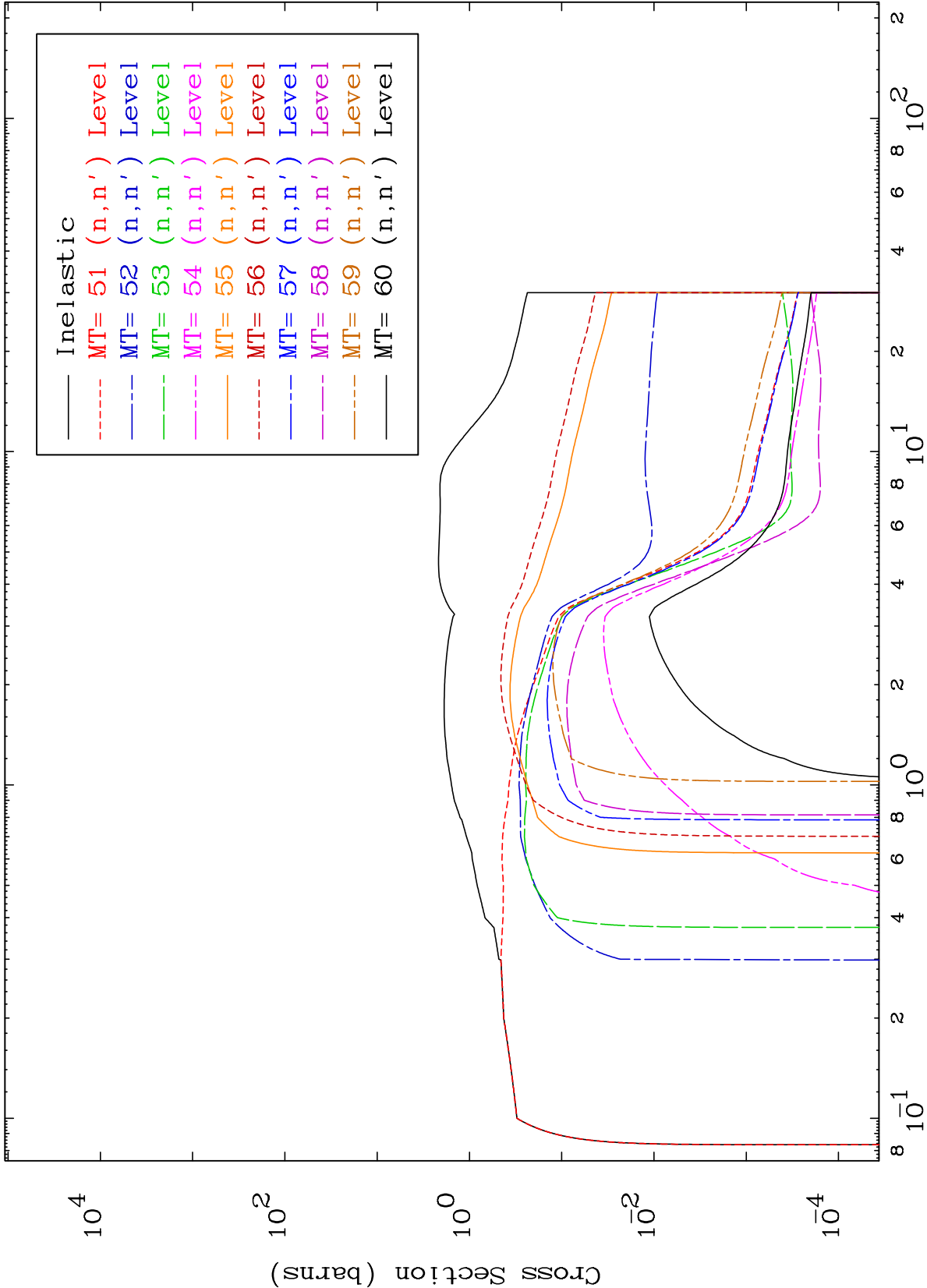


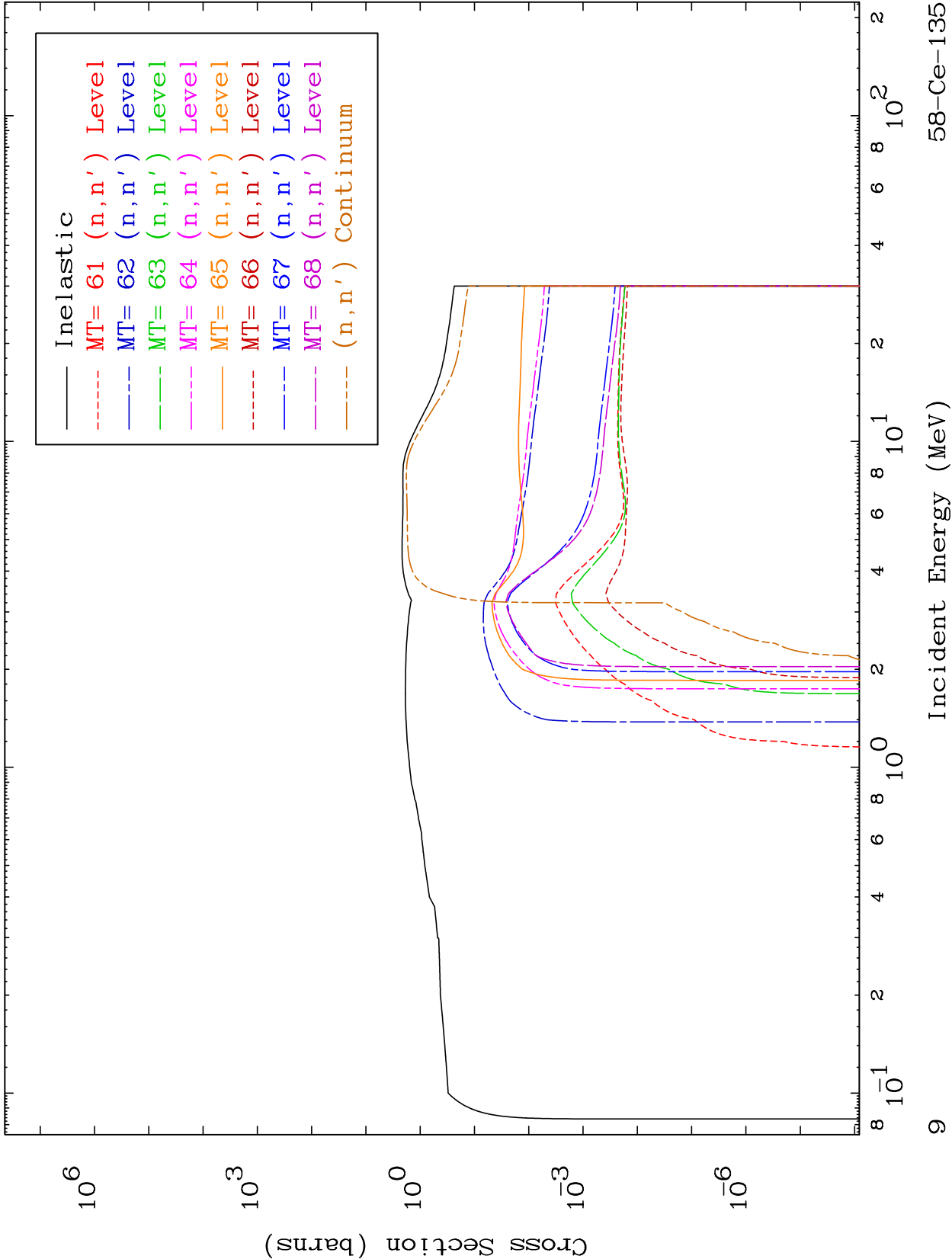


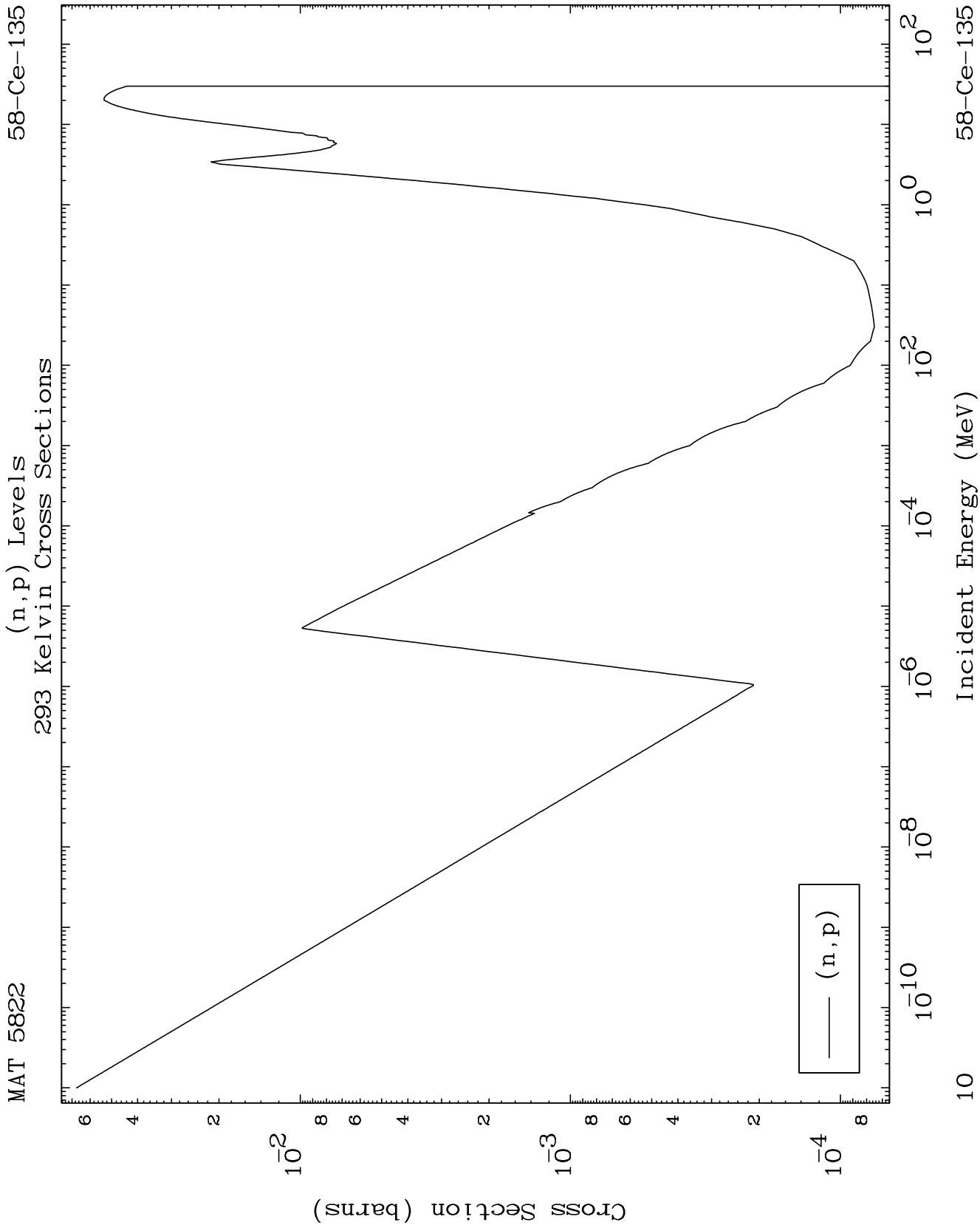


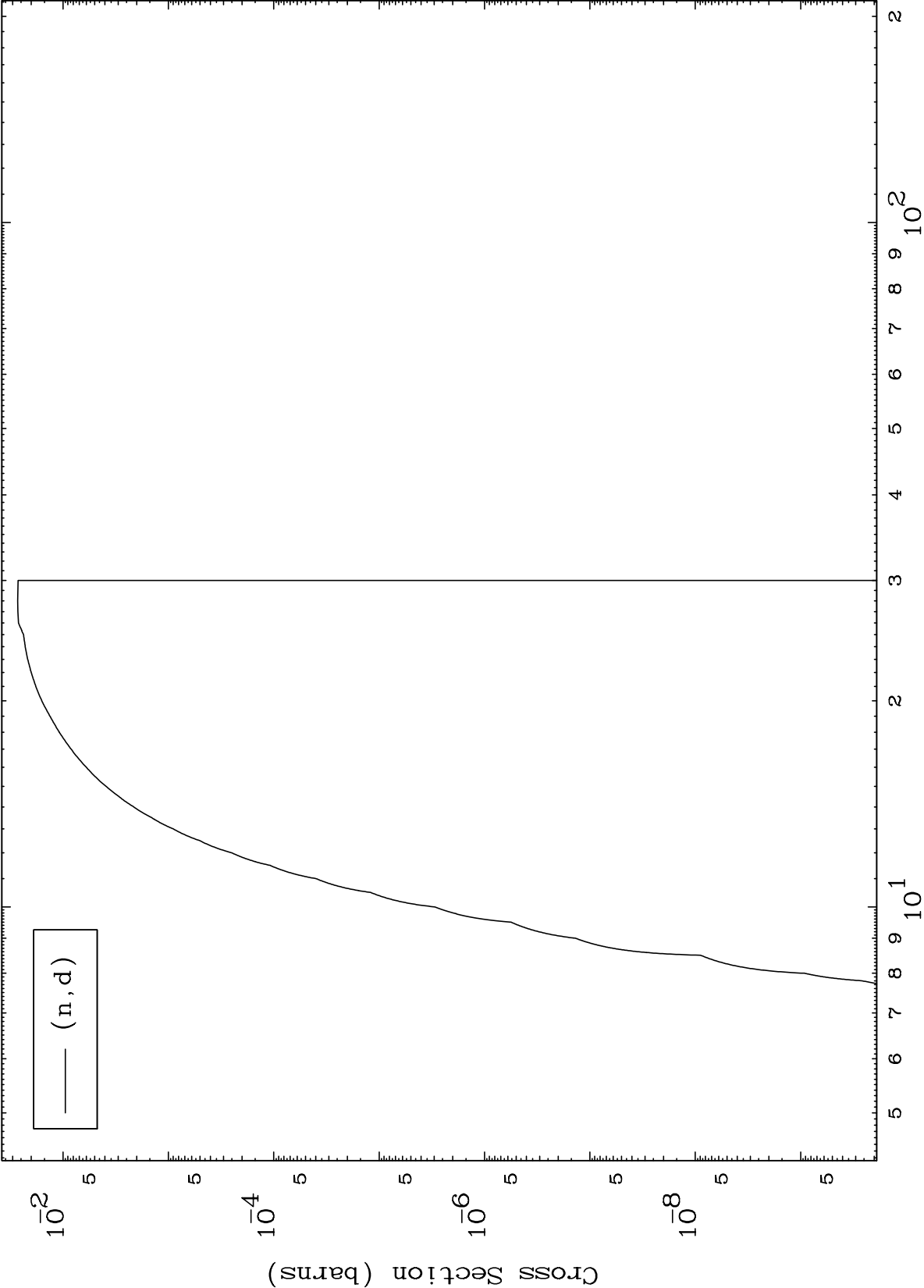


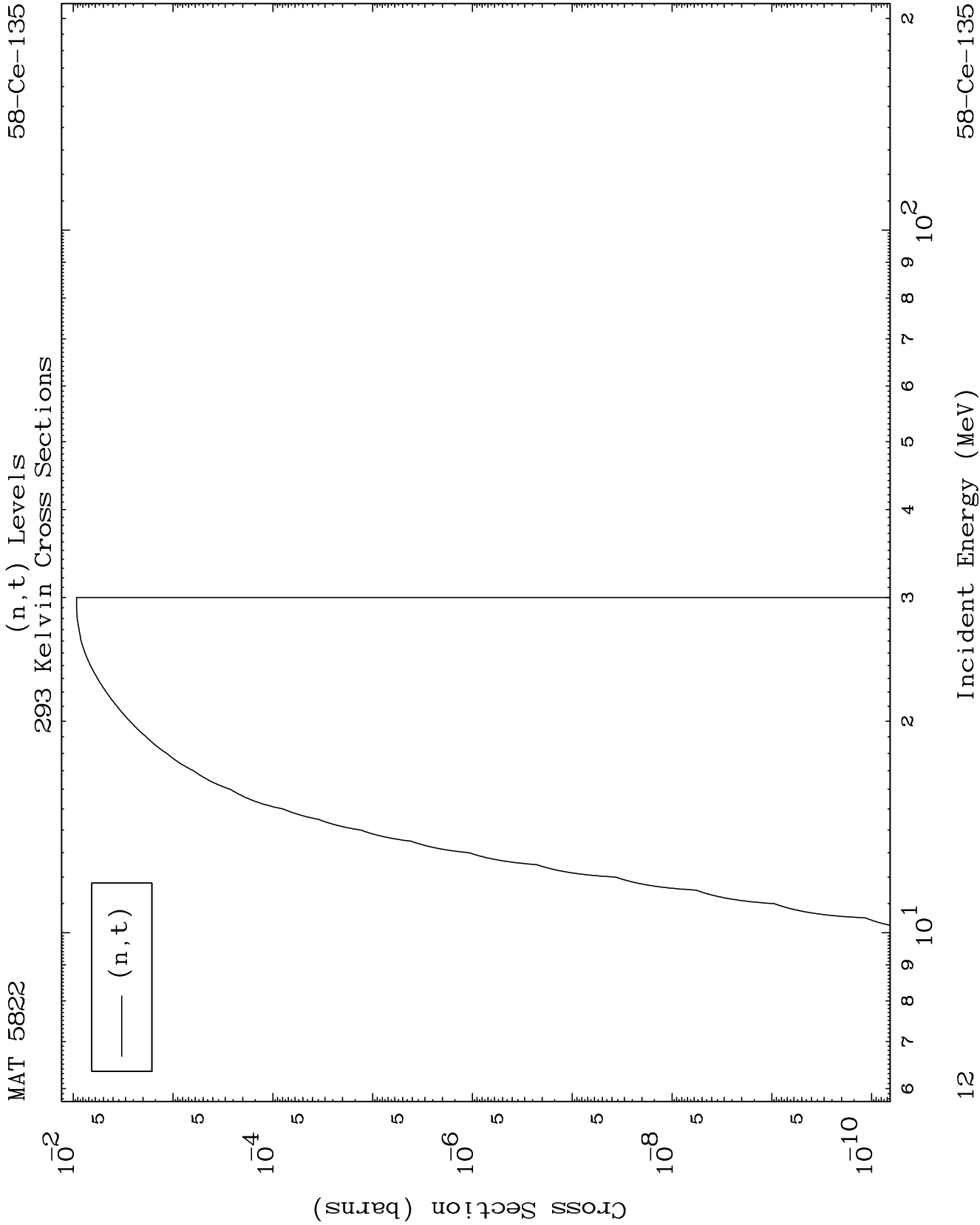








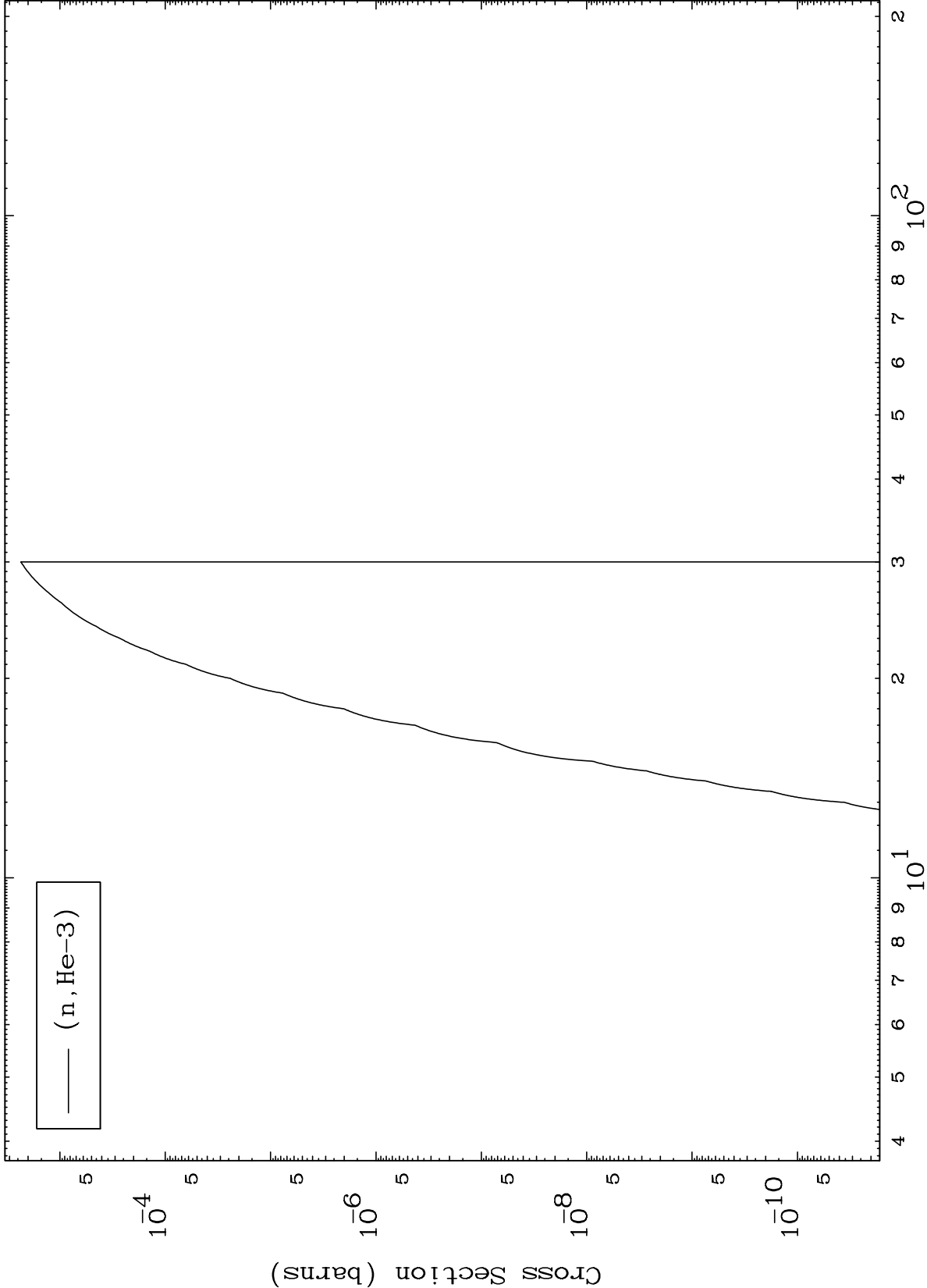




MAT 5822

(n,He3) Levels
293 Kelvin Cross Sections

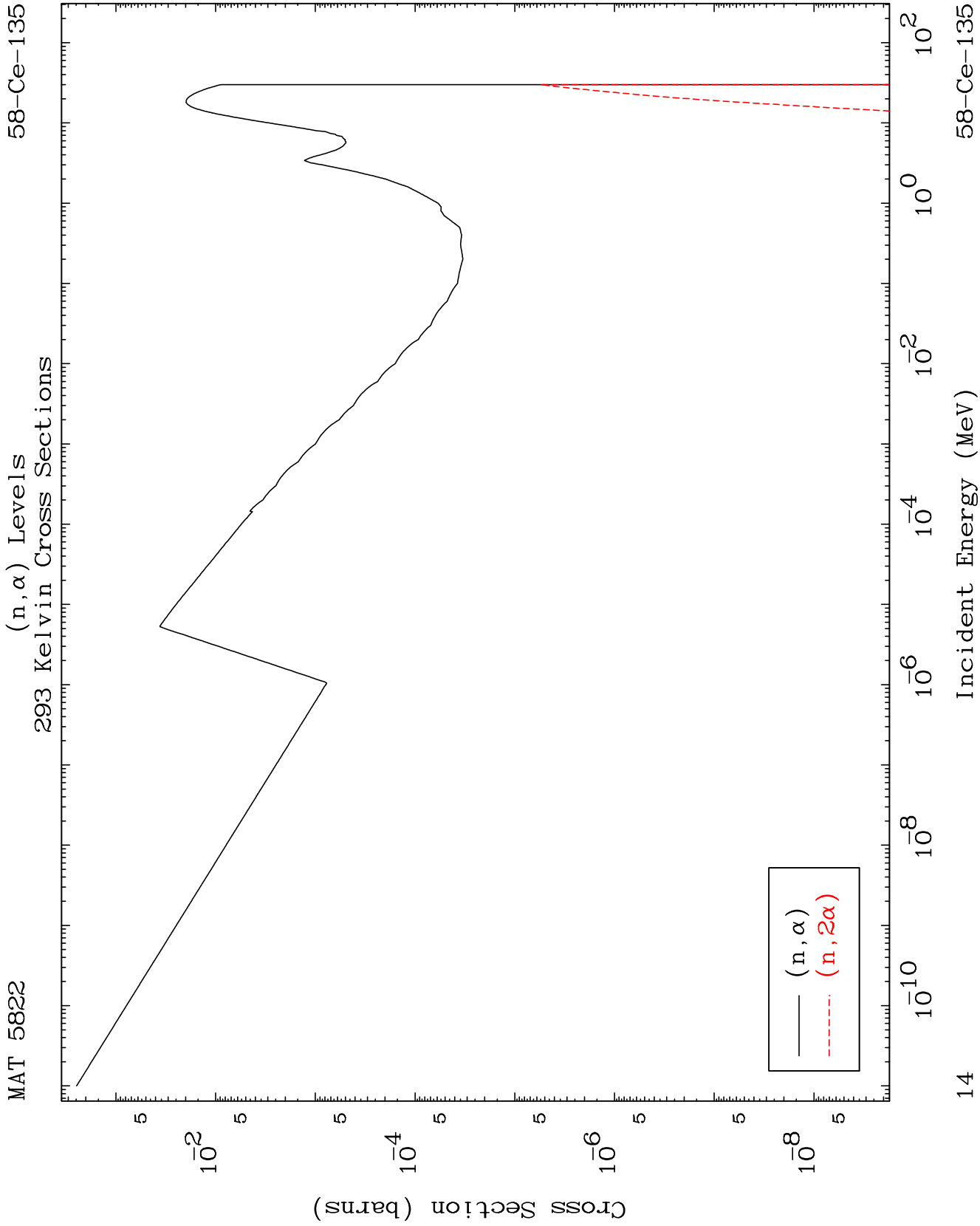
58-Ce-135

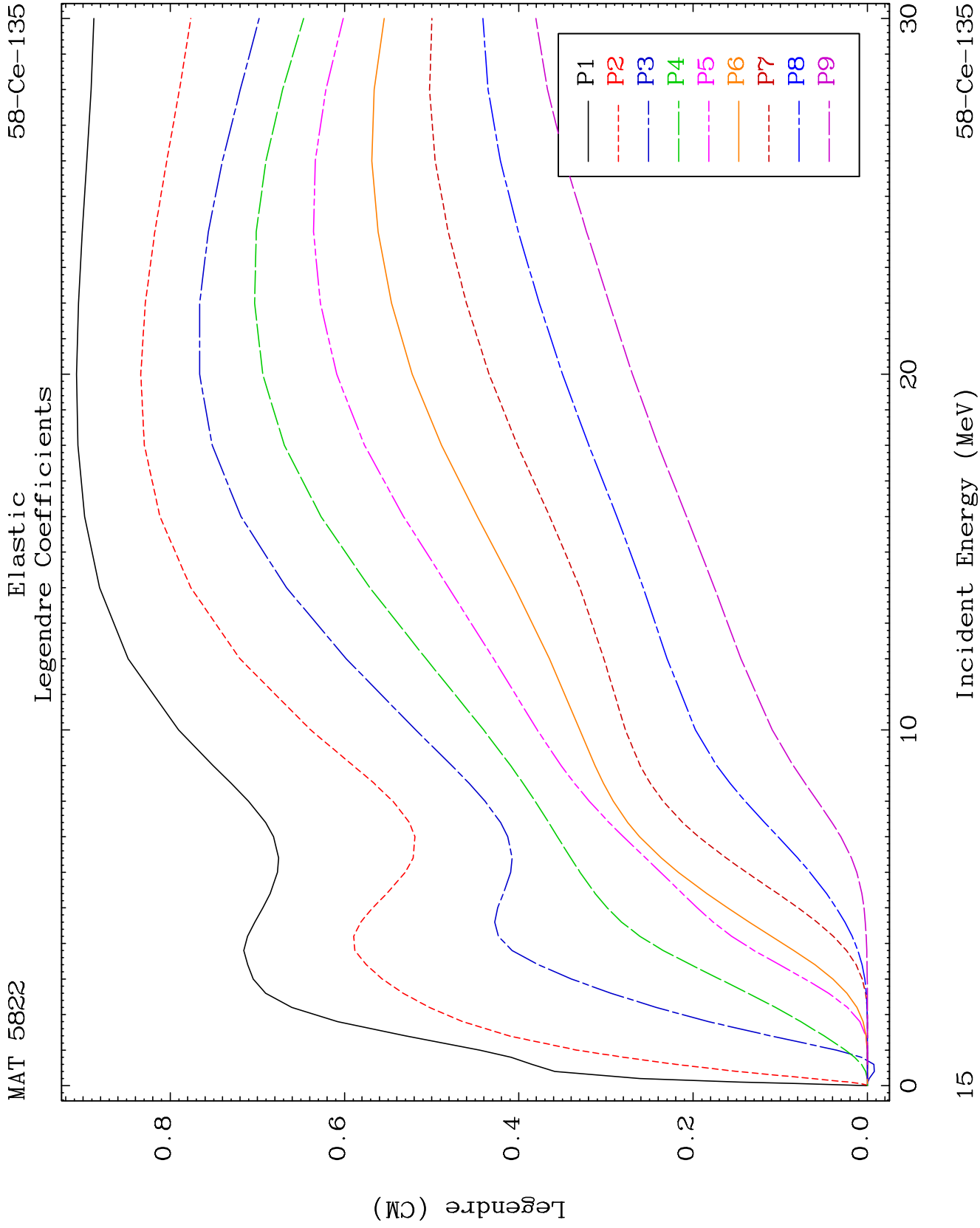


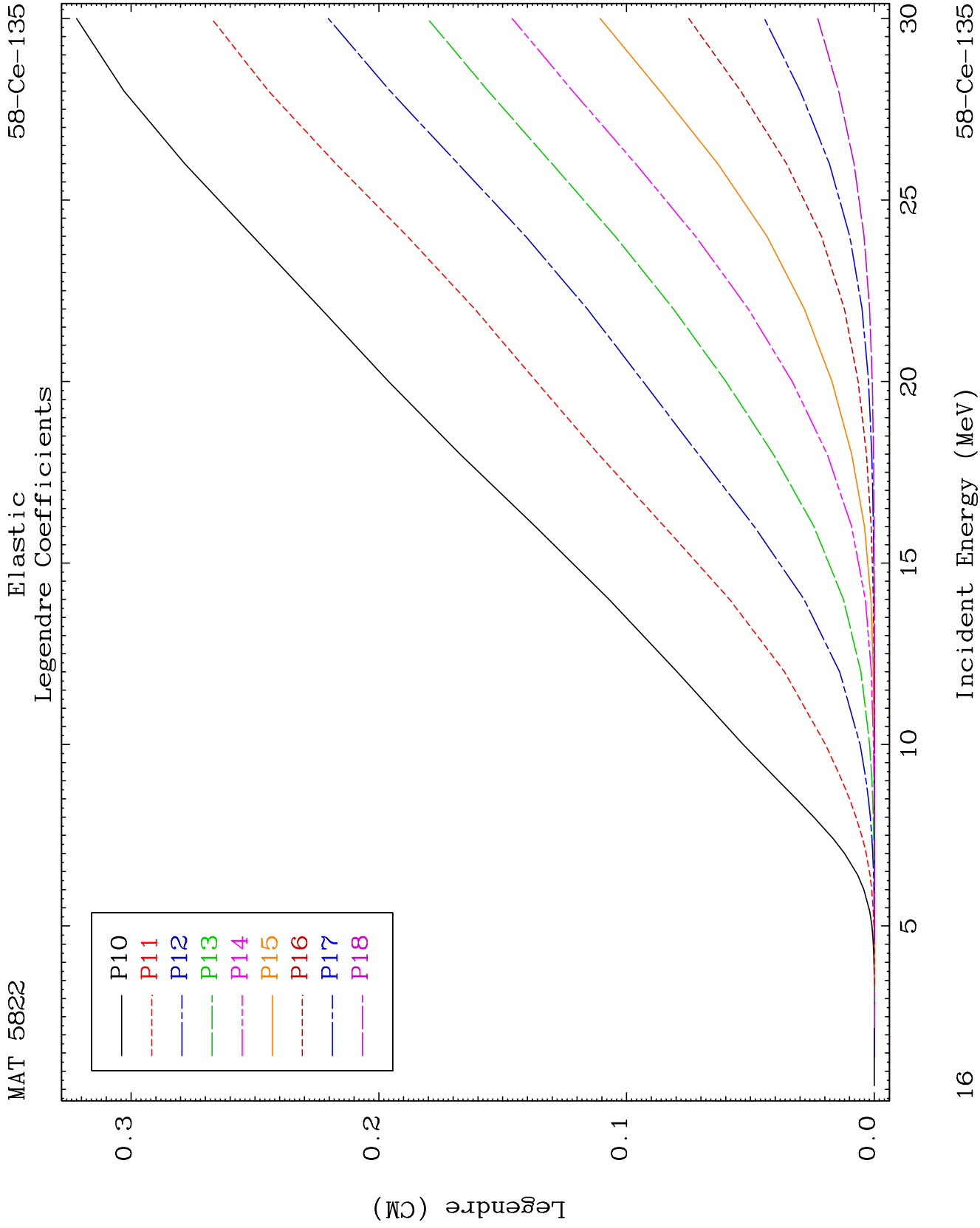
13

Incident Energy (MeV)

58-Ce-135



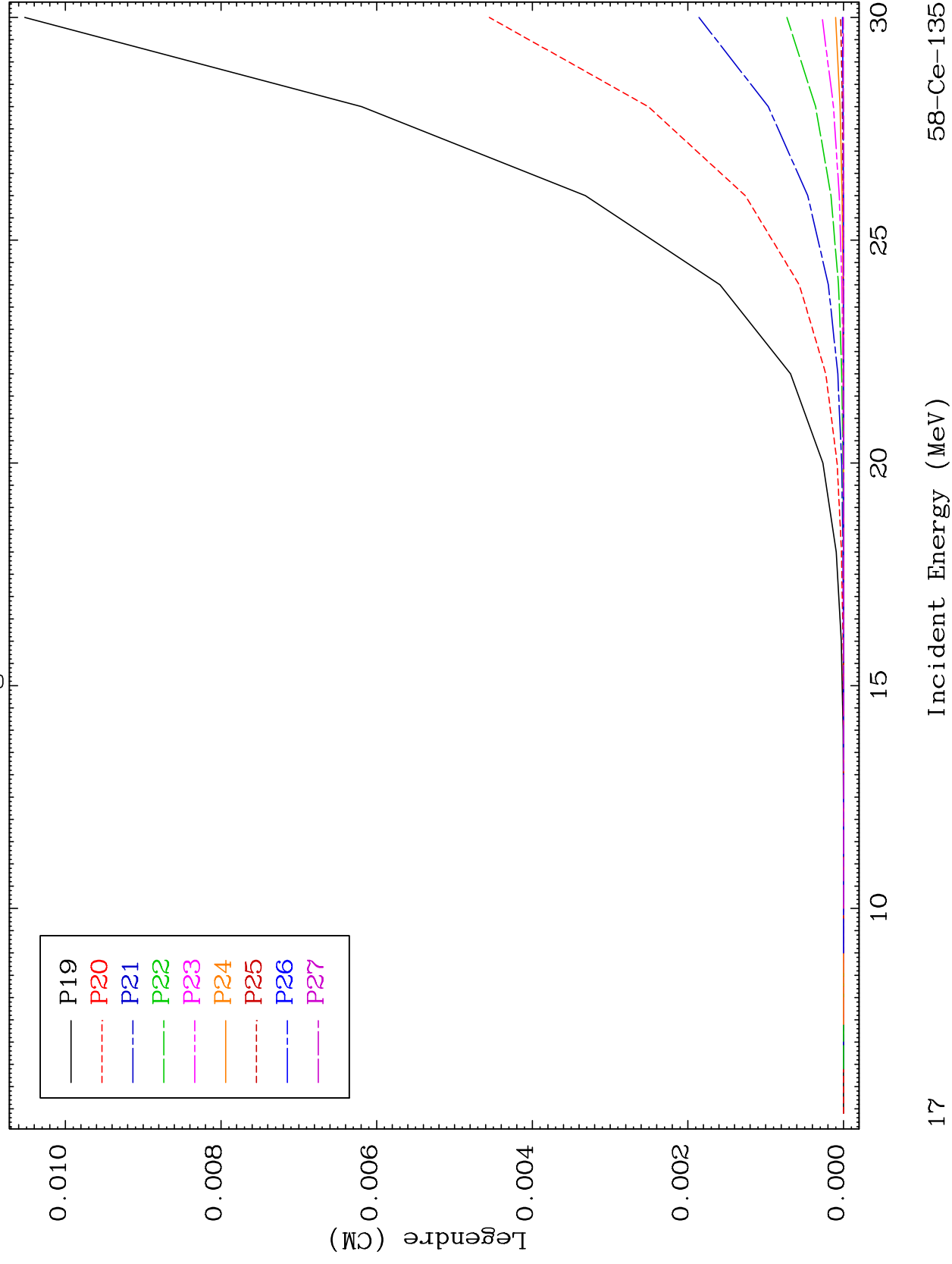


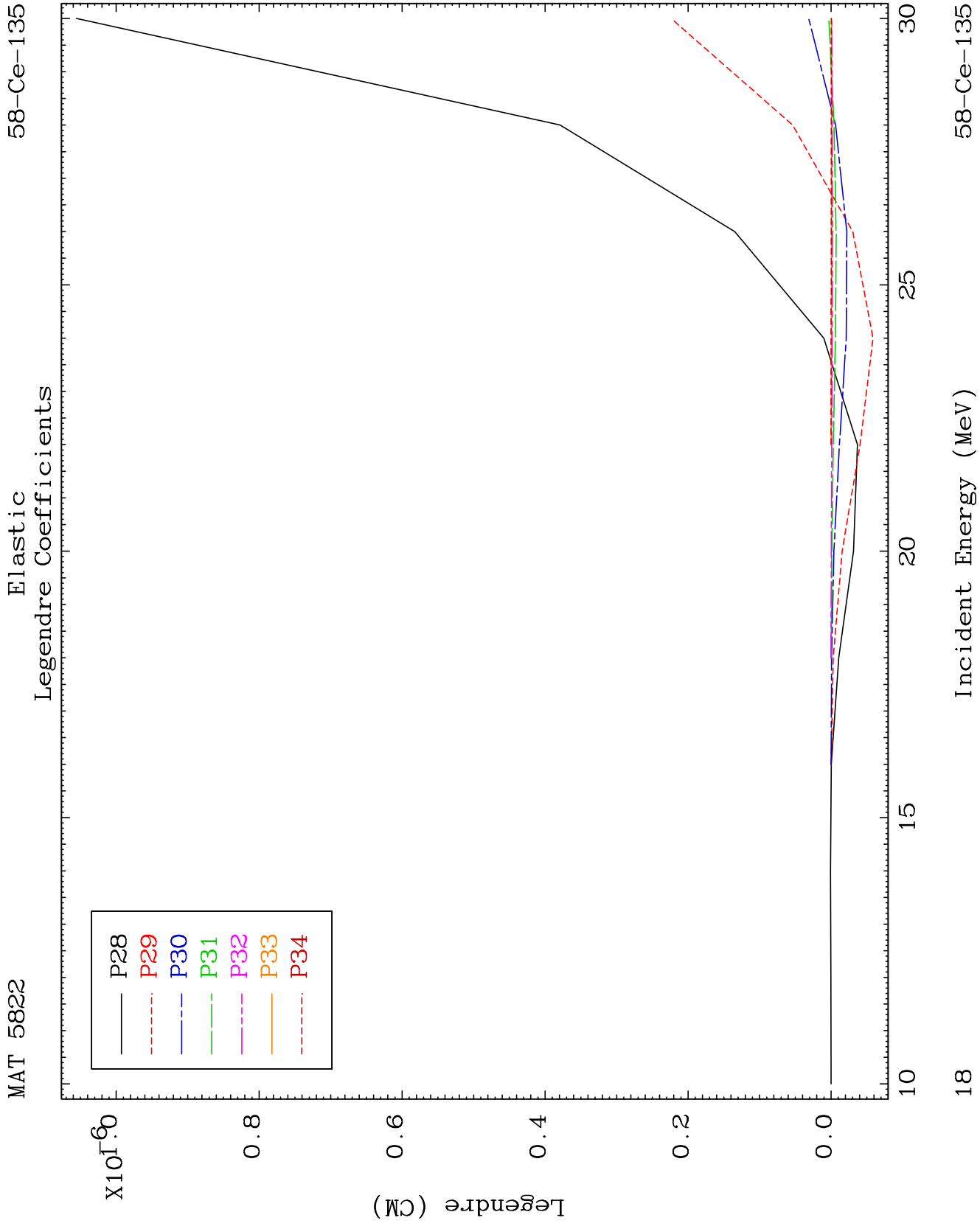


MAT 5822

Elastic Legendre Coefficients

58-Ce-135

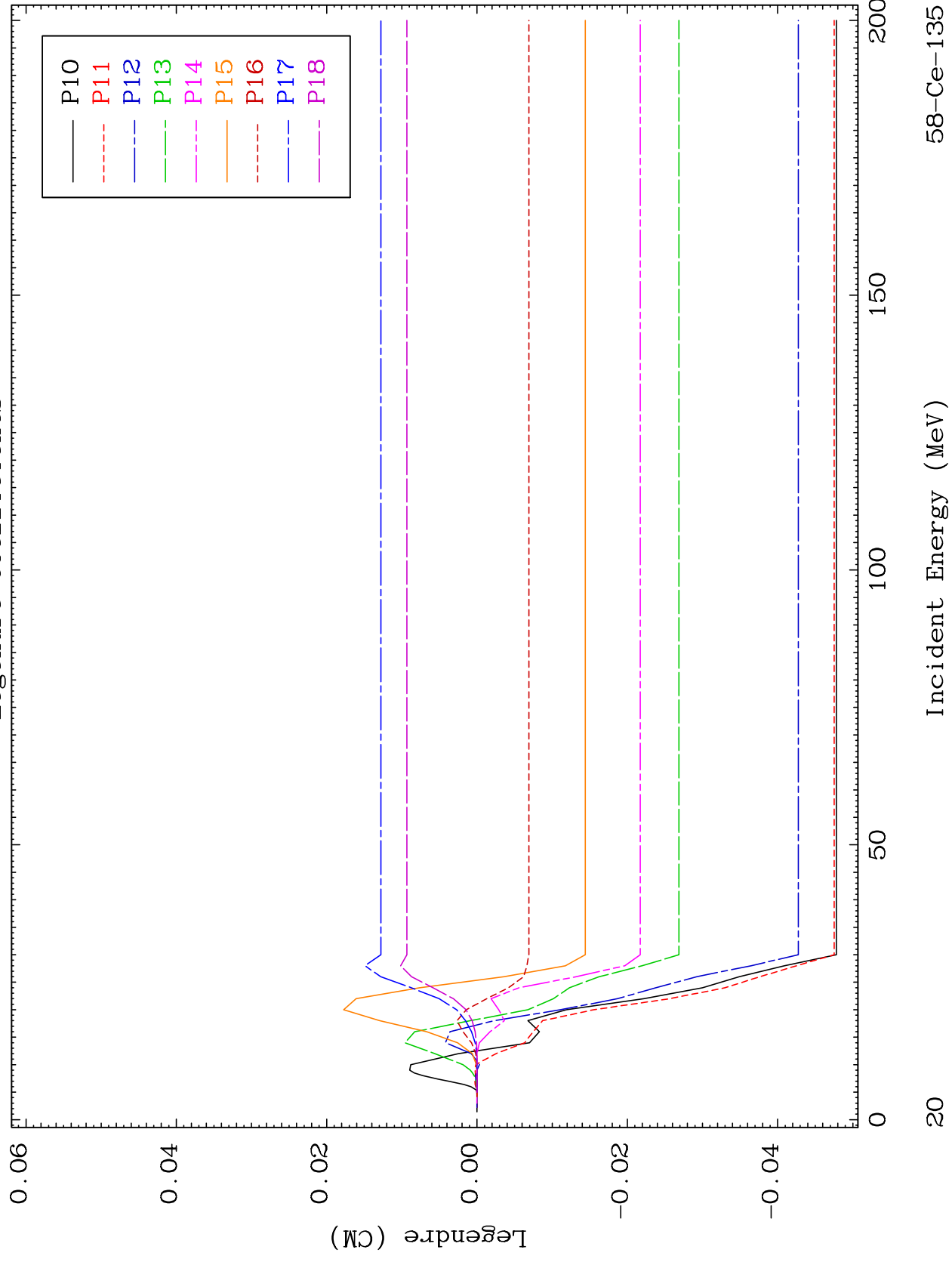




MAT 5822

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

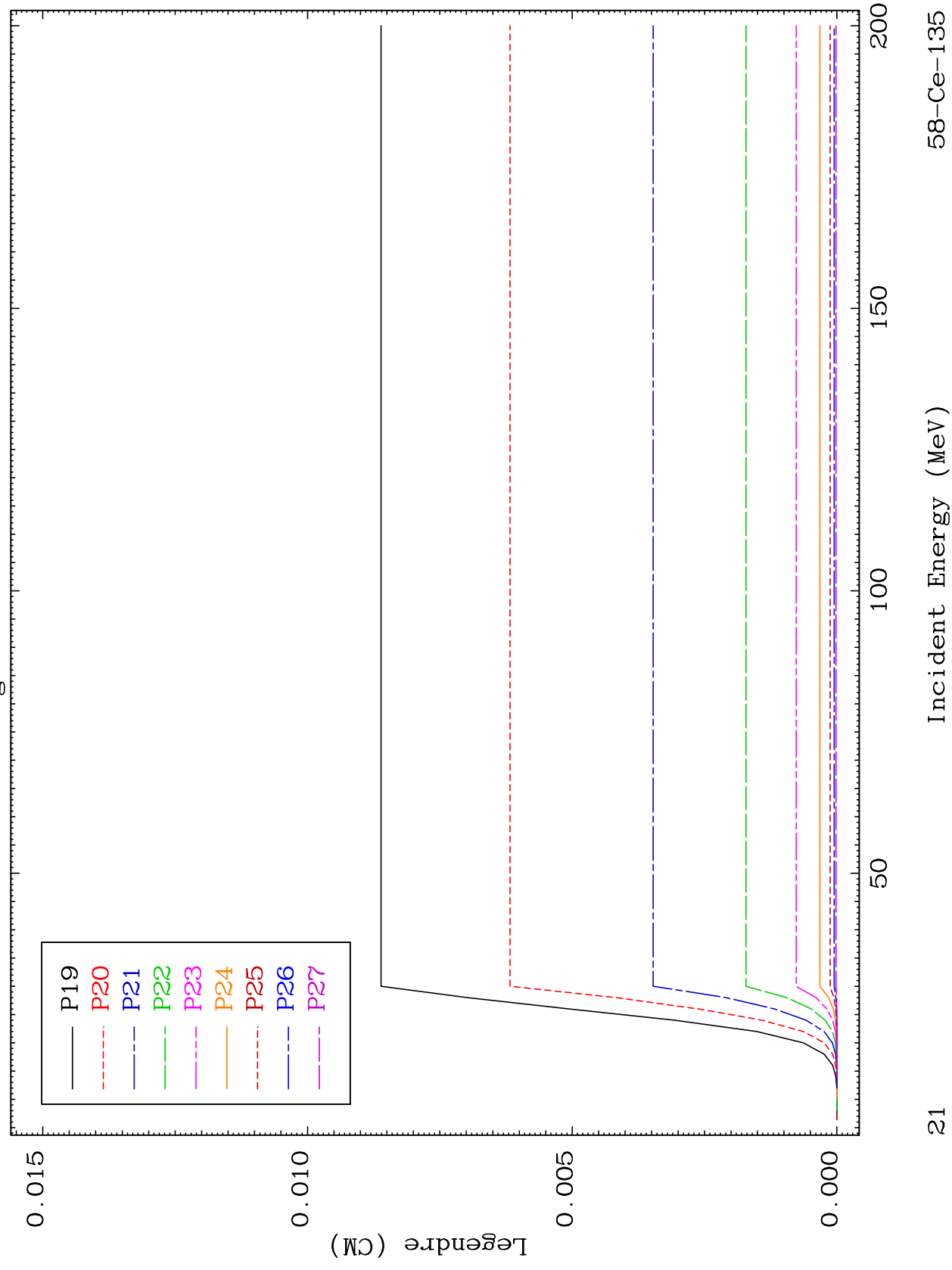
58-Ce-135

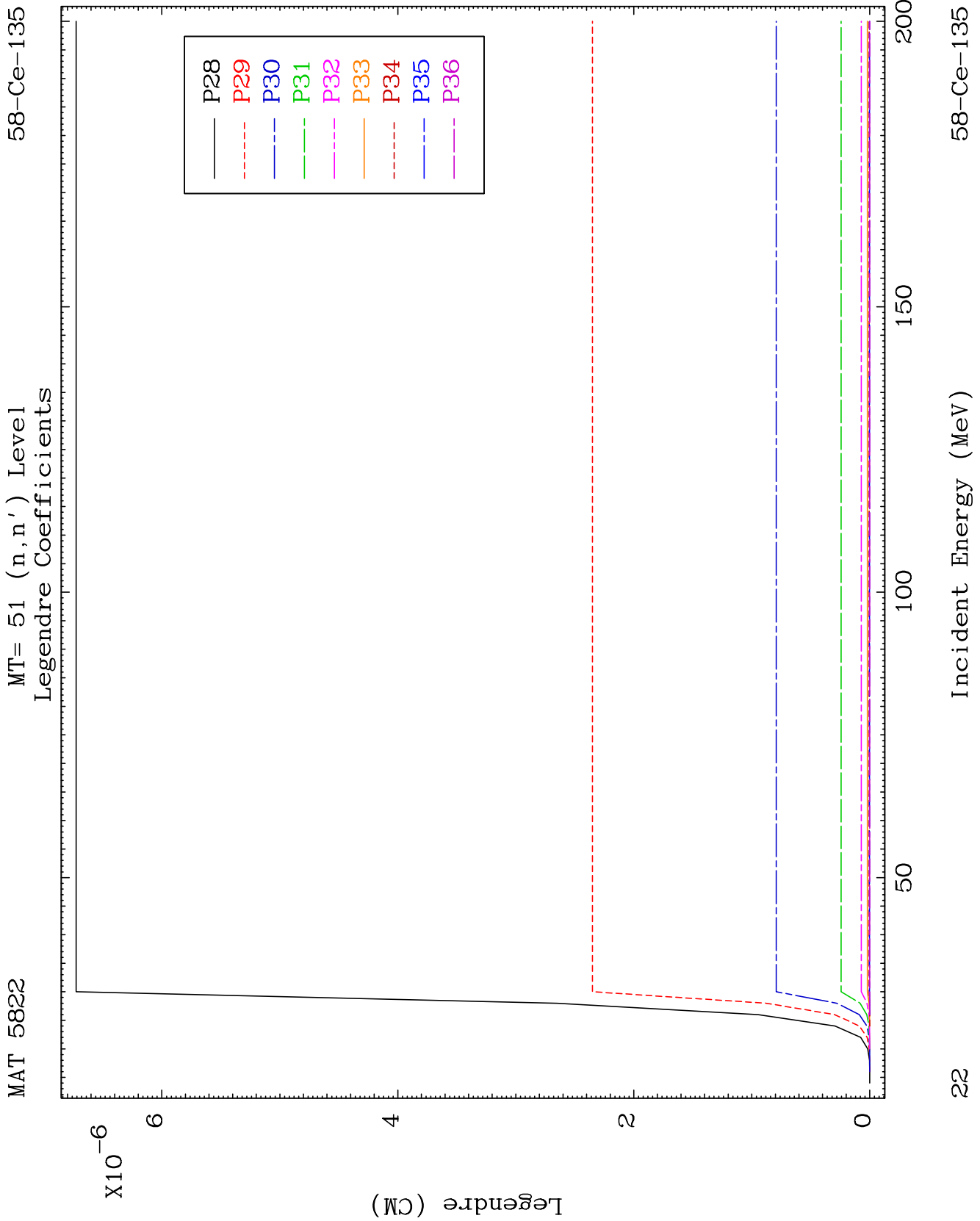


MAT 5822

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

58-Ce-135

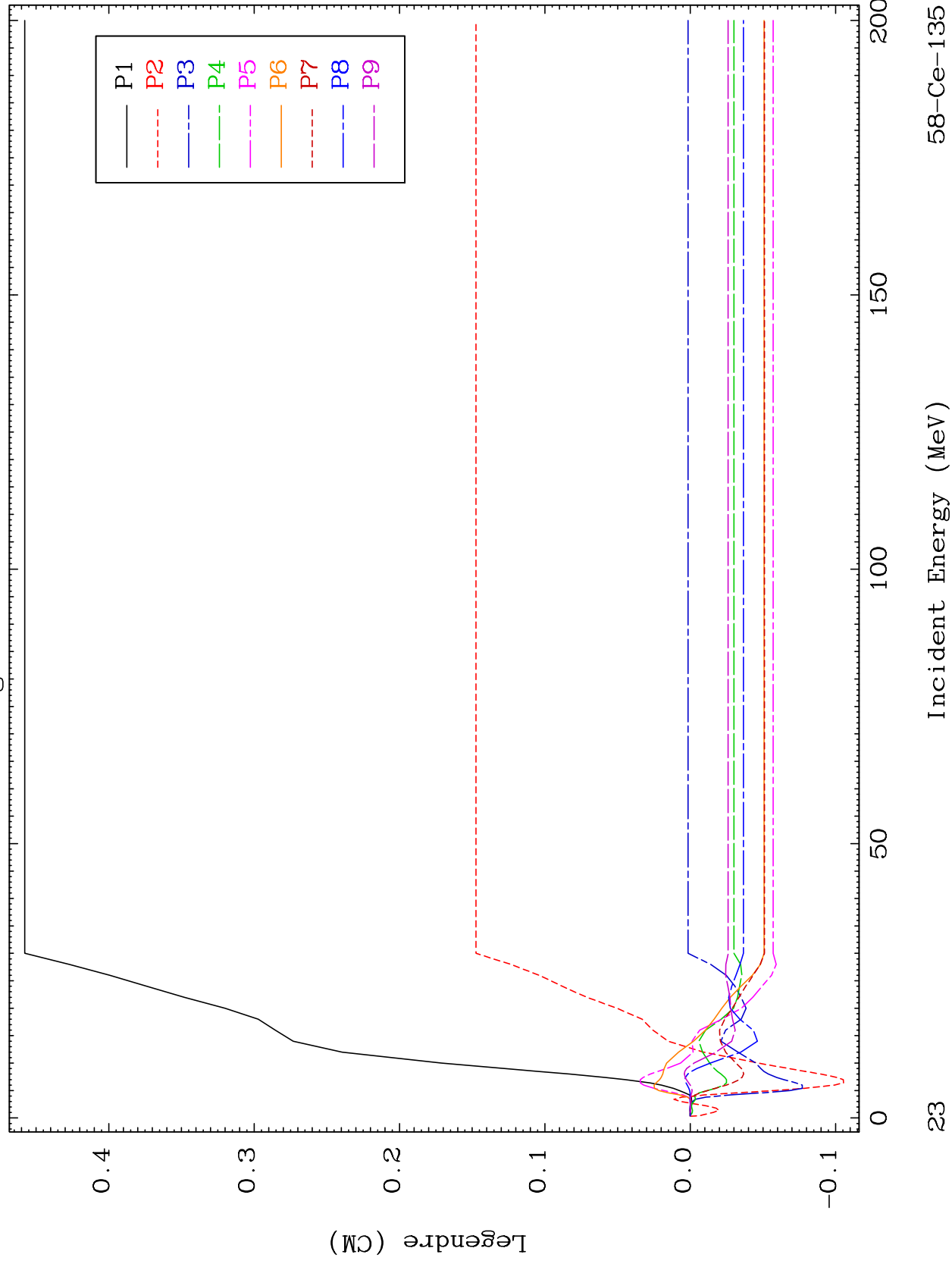




MAT 5822

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

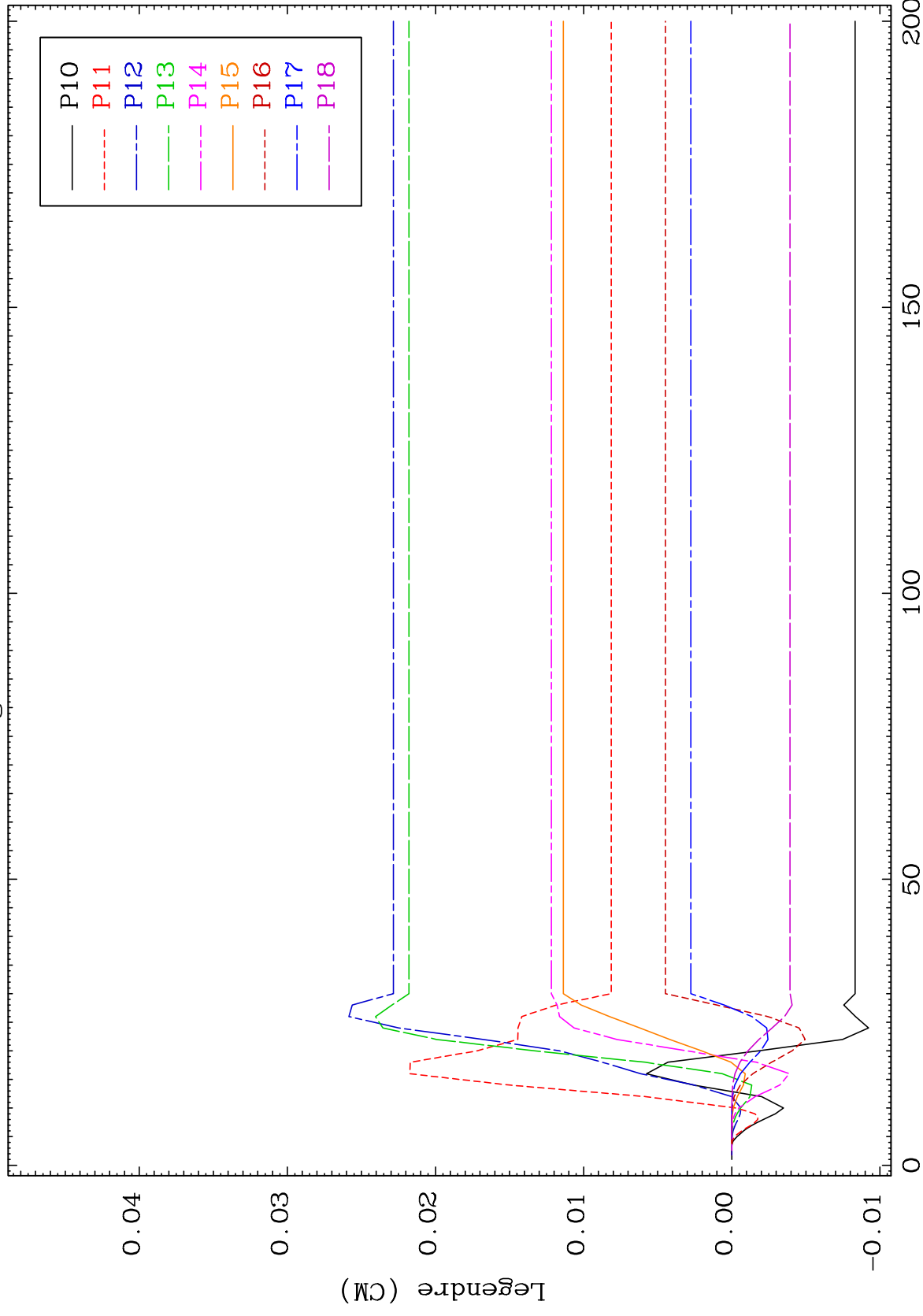
58-Ce-135



MAT 5822

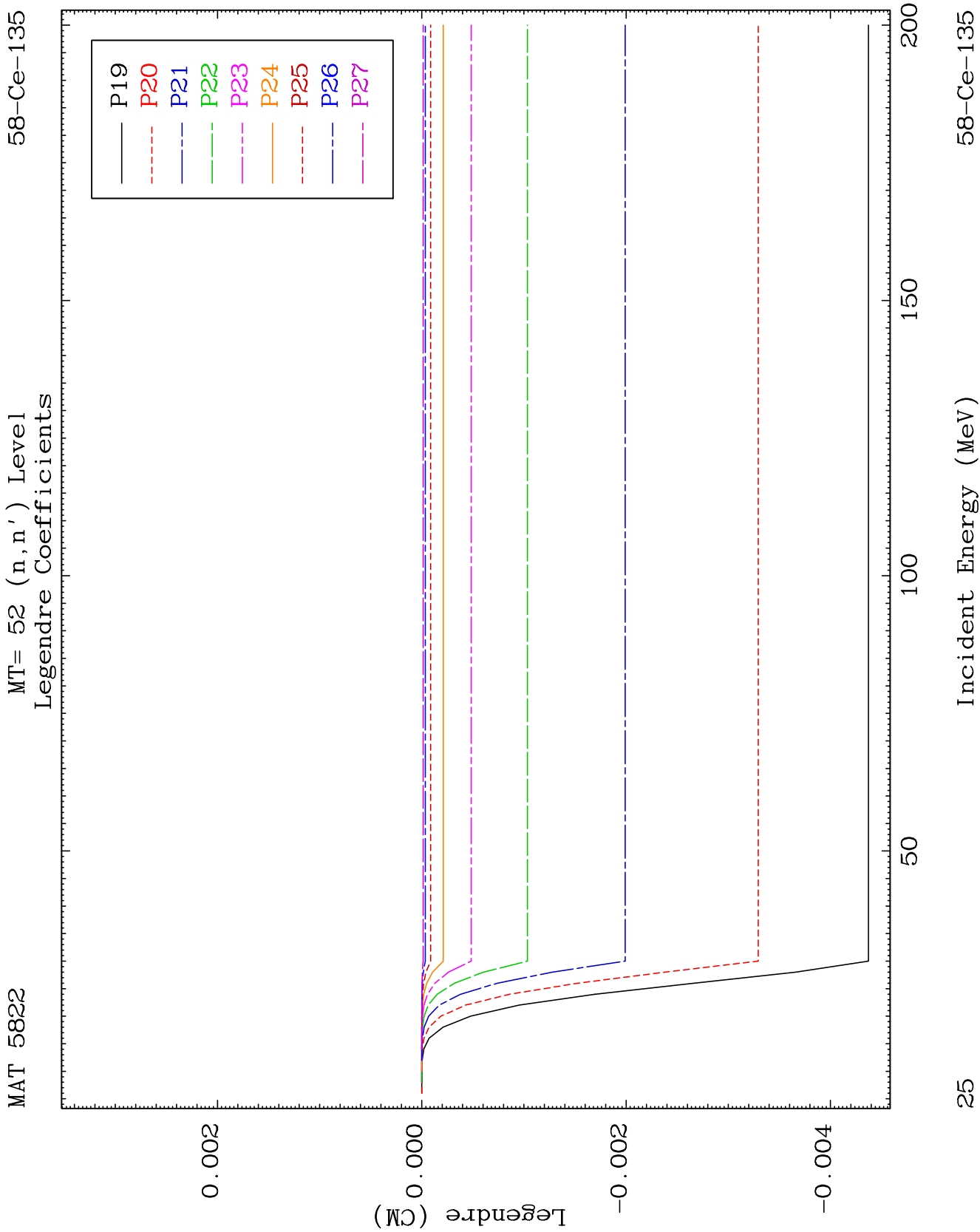
MT= 52 (n, n') Level
Legendre Coefficients

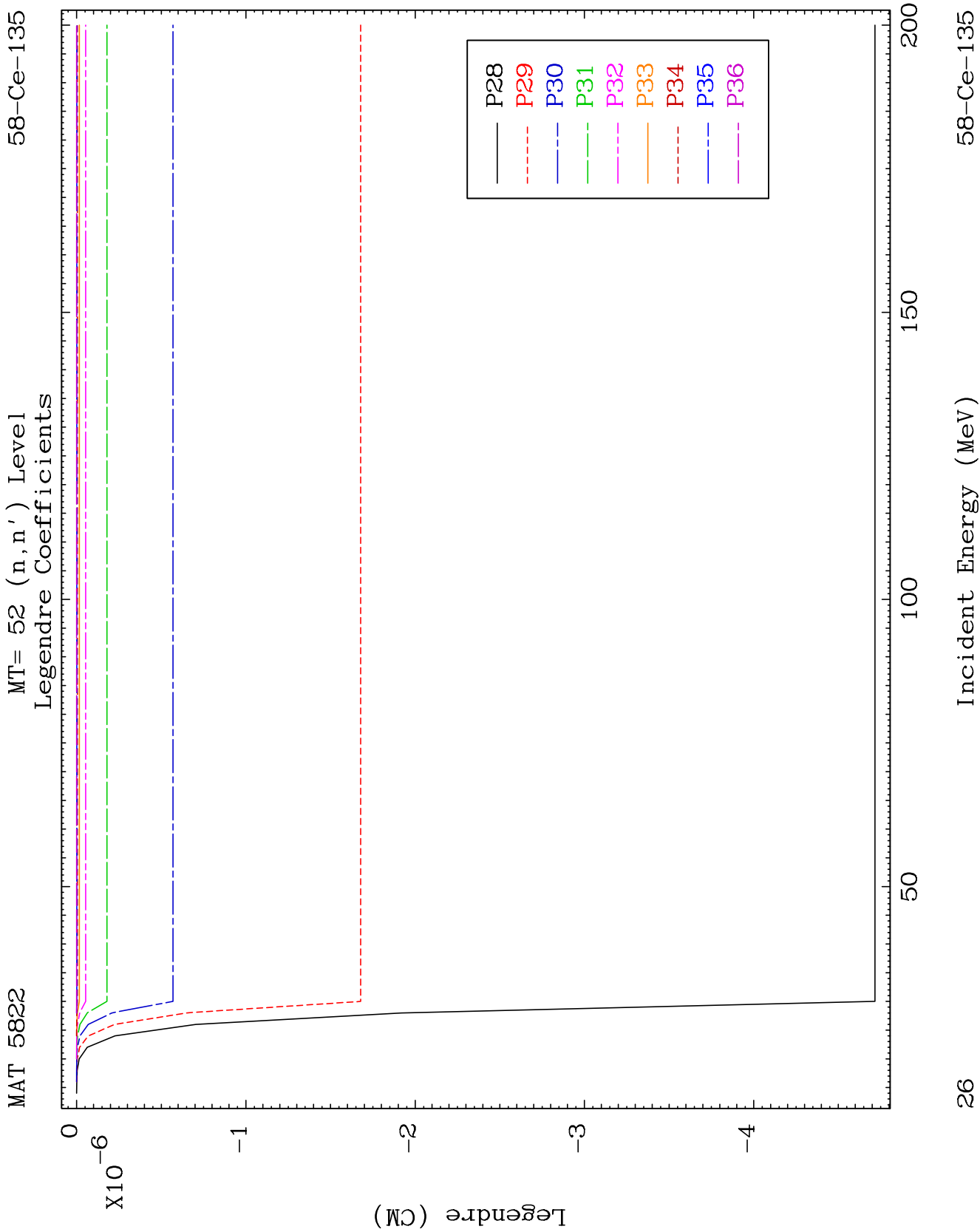
58-Ce-135

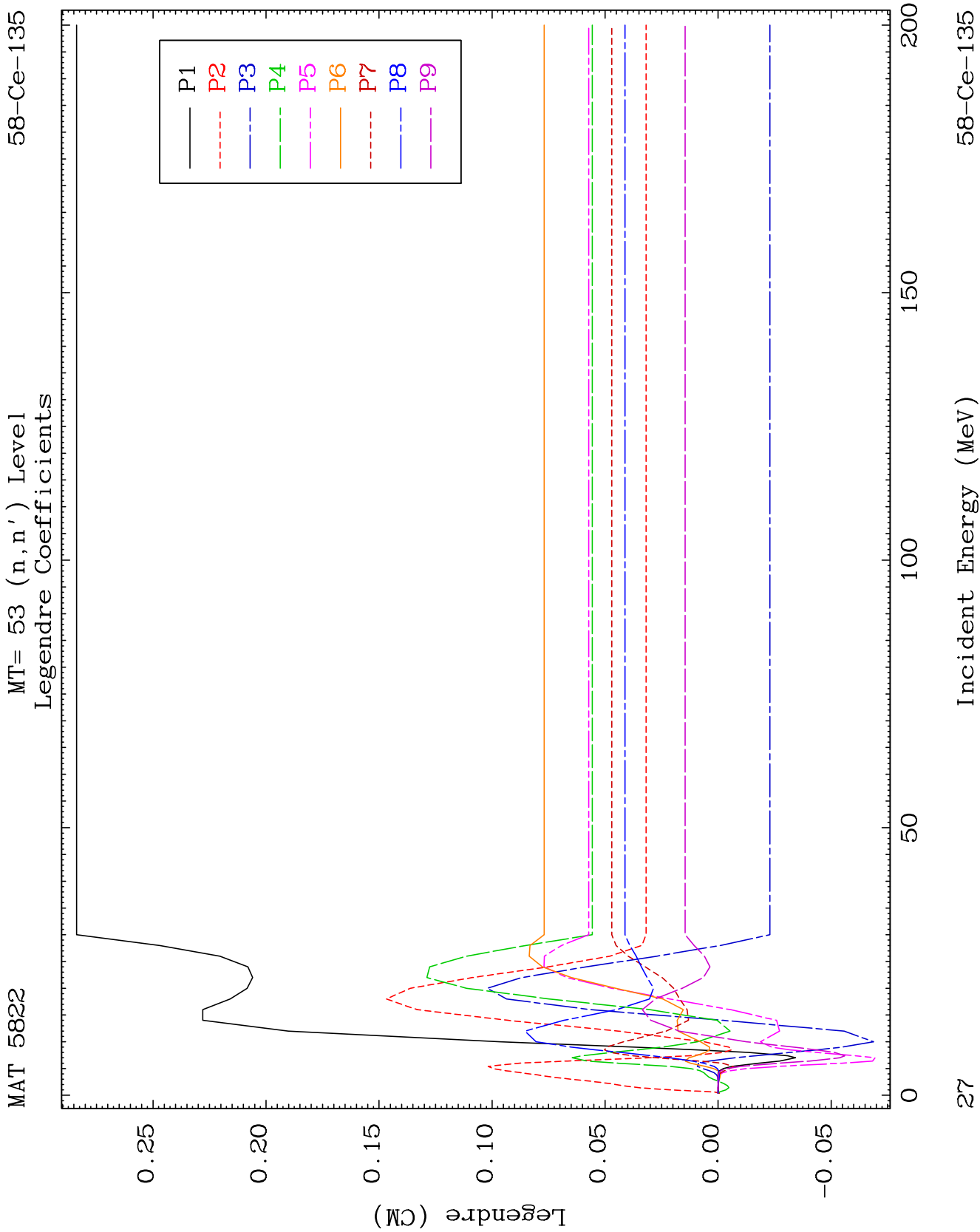


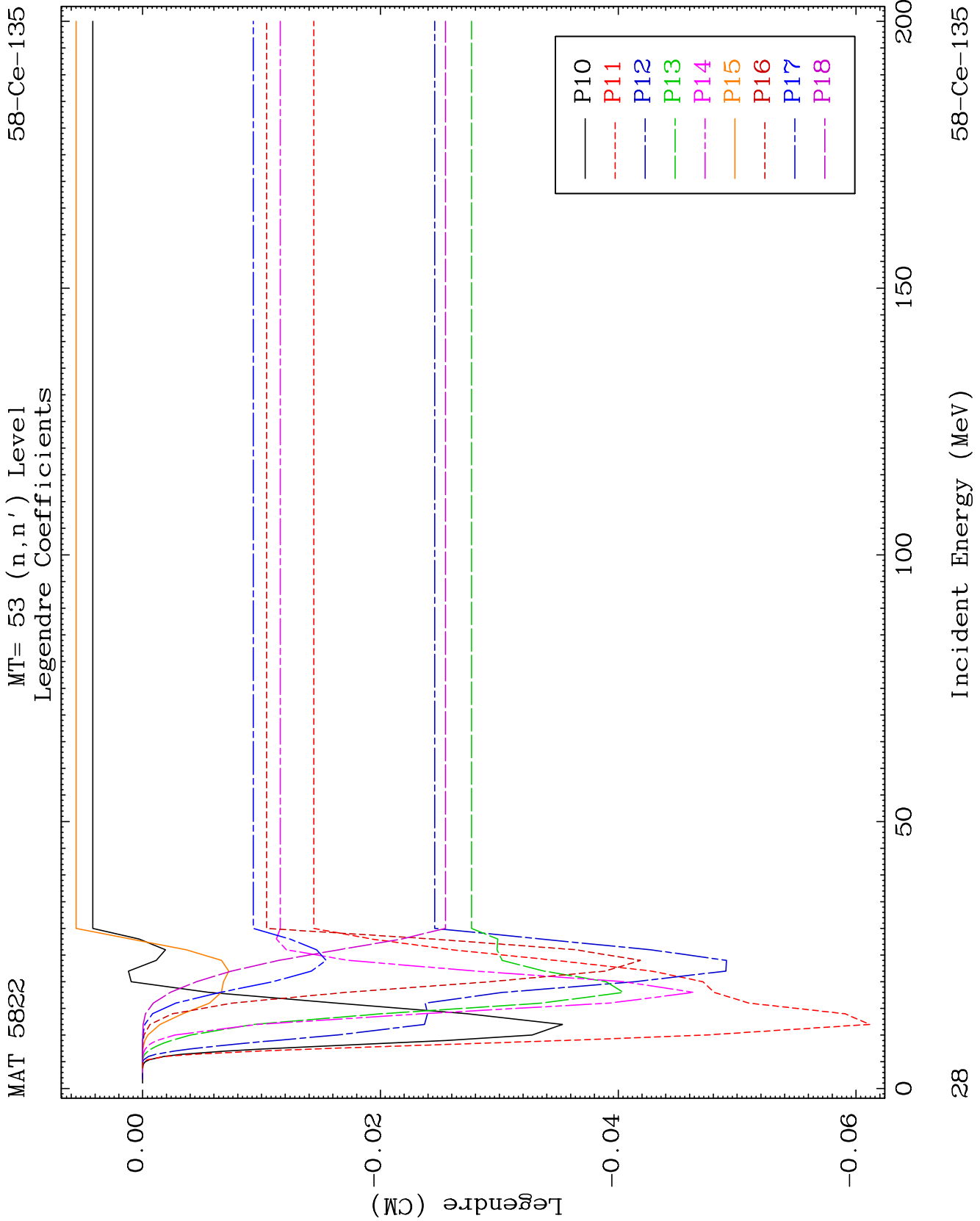
58-Ce-135

Incident Energy (MeV)





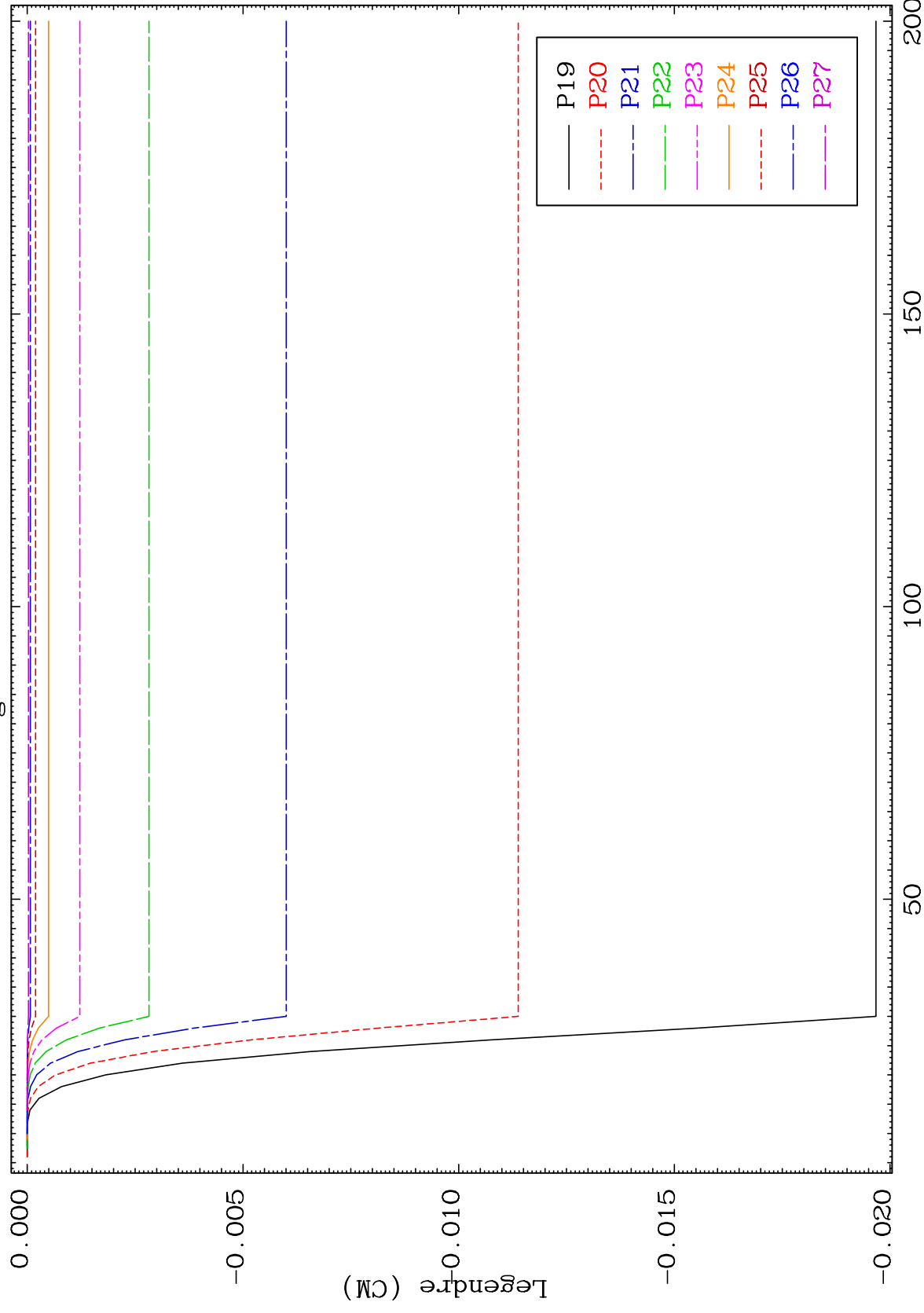




MAT 5822

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

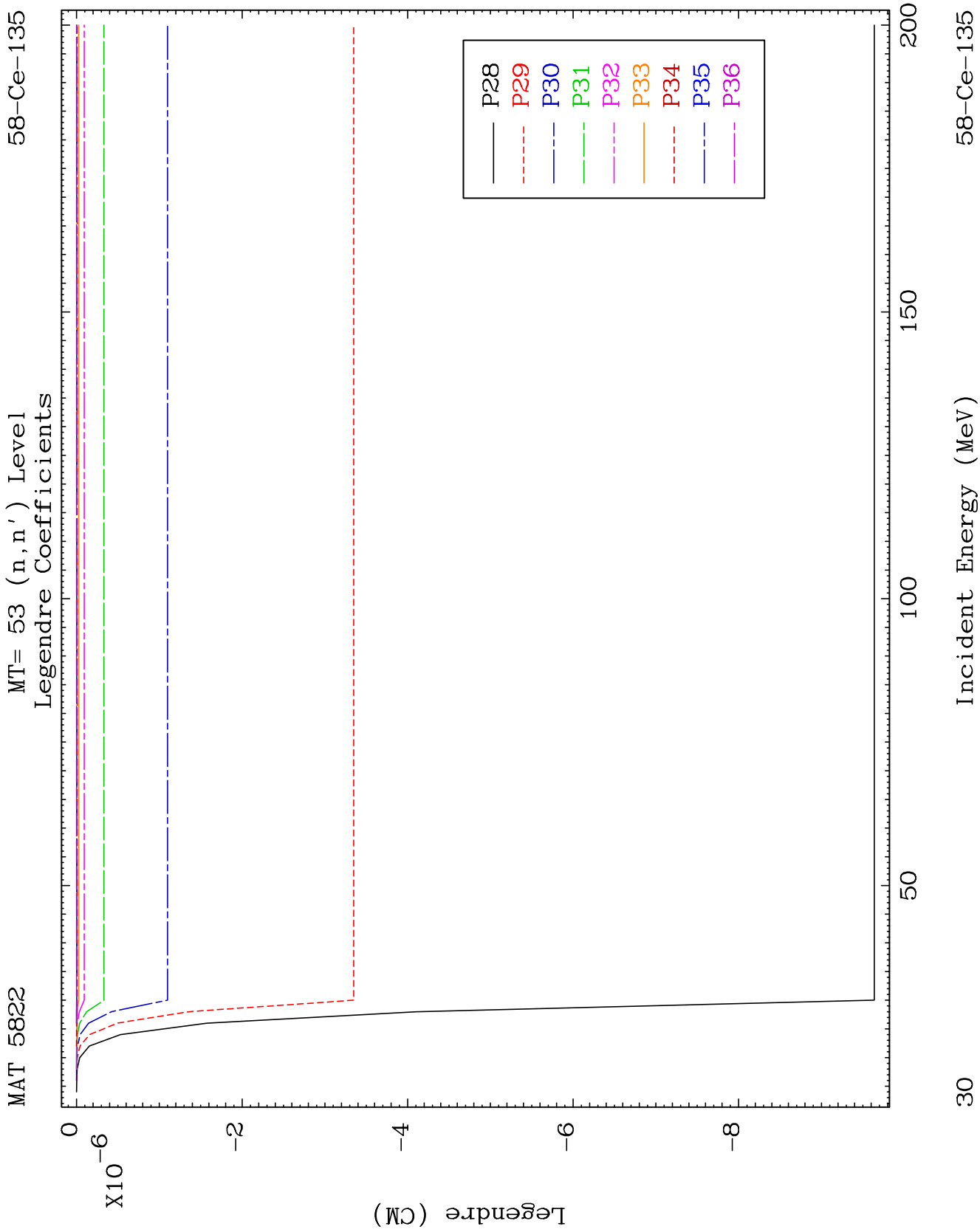
58-Ce-135



29

Incident Energy (MeV)

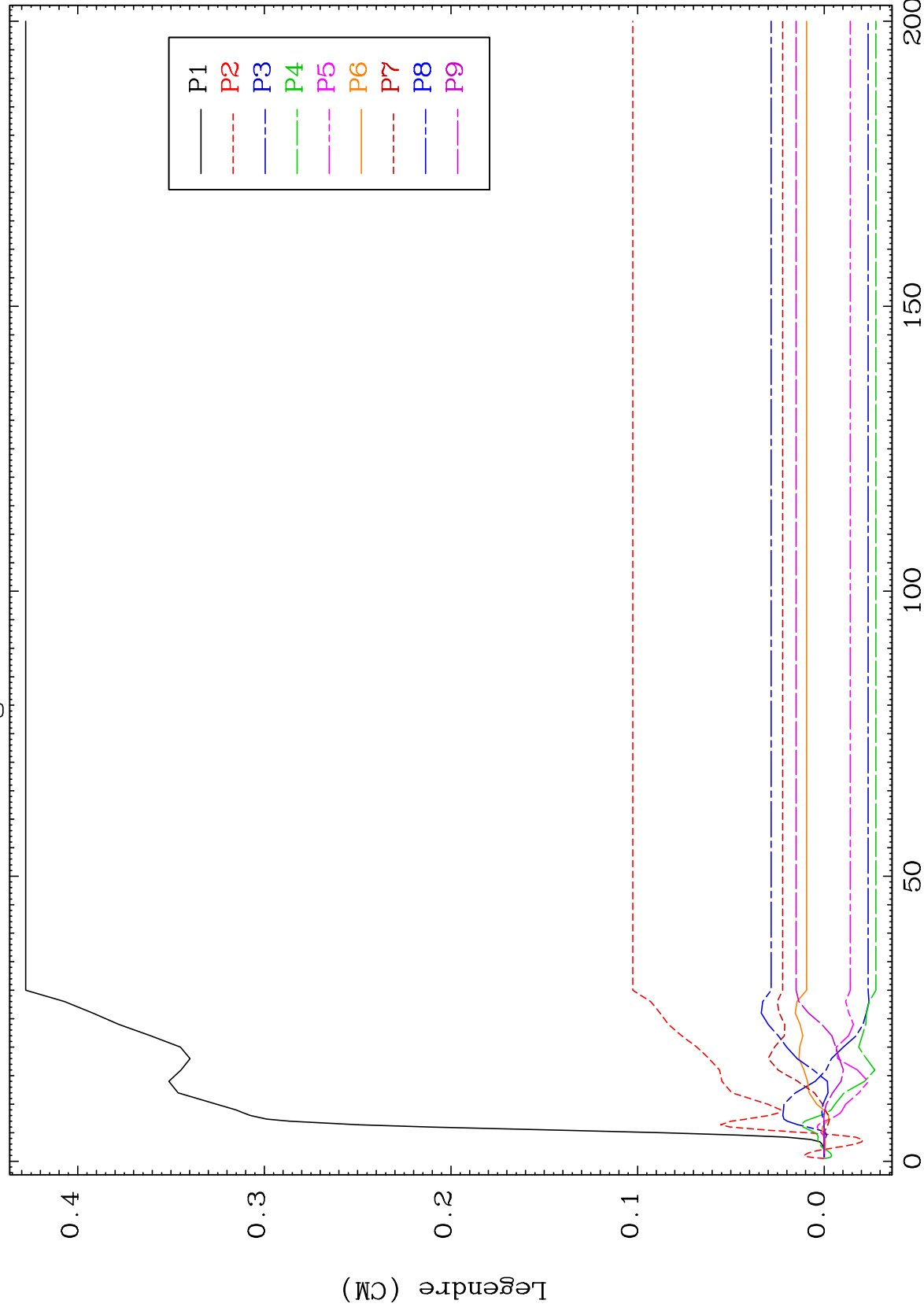
58-Ce-135



MAT 5822

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

58-Ce-135



31

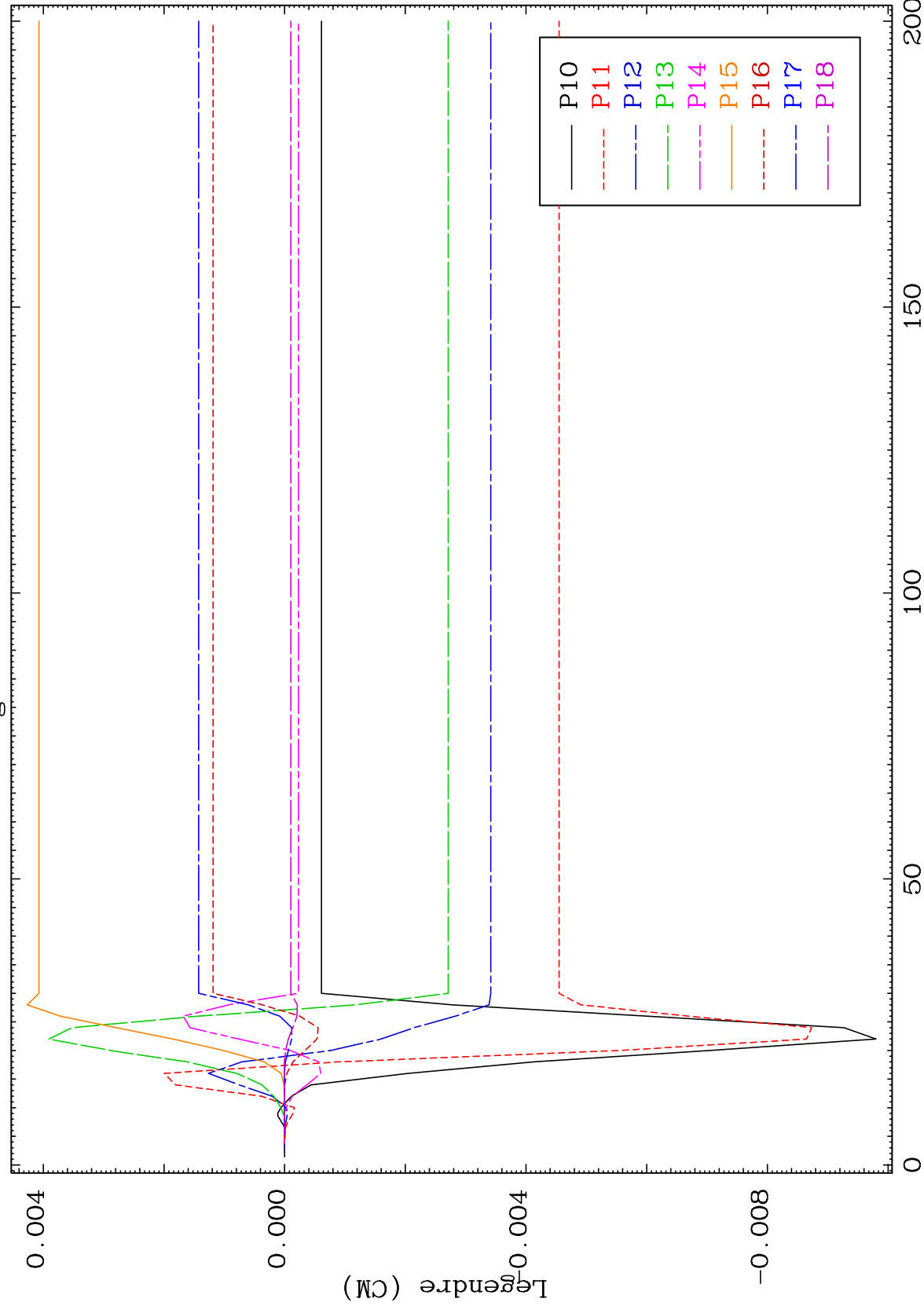
Incident Energy (MeV)

58-Ce-135

MAT 5822

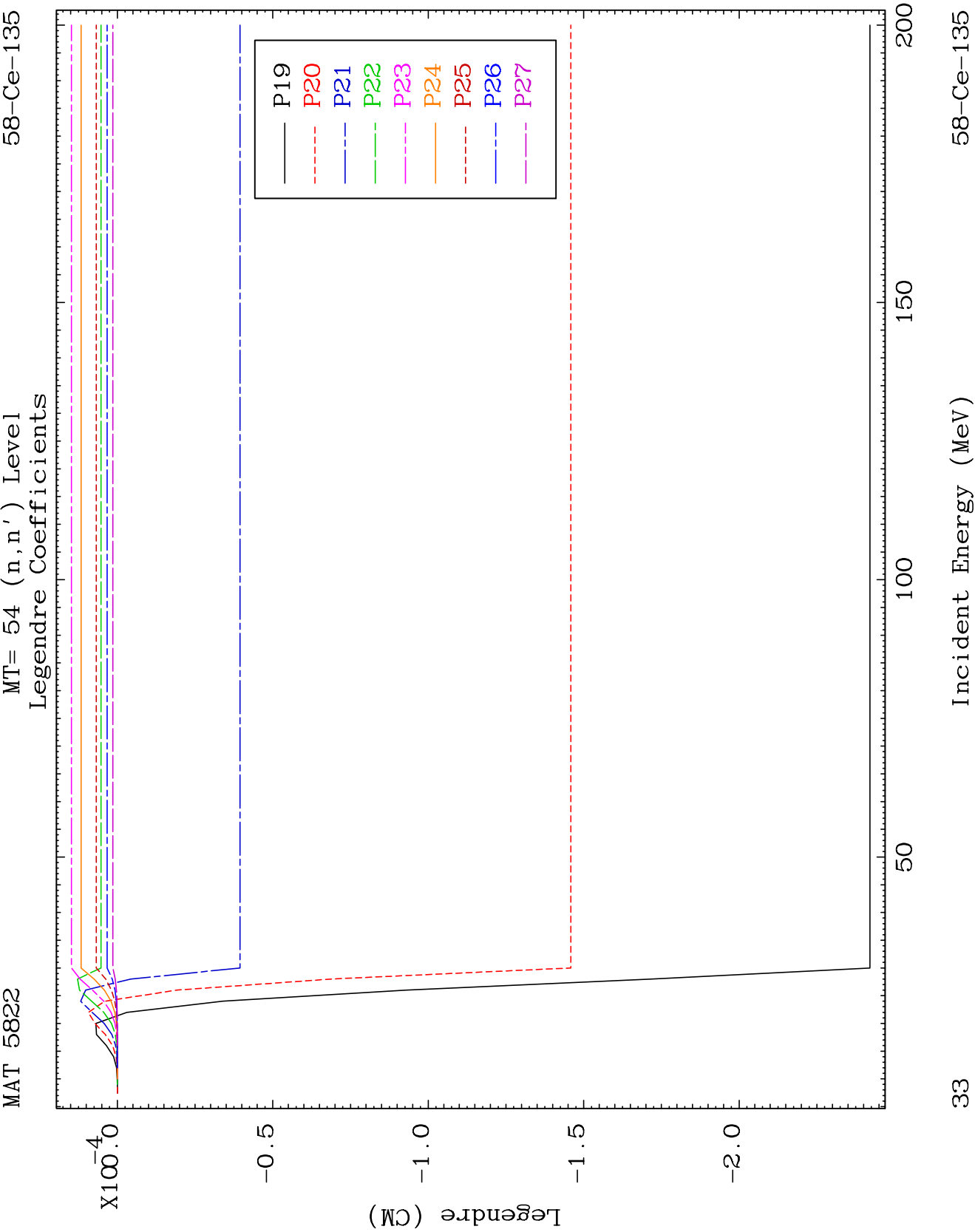
MT= 54 (n, n') Level
Legendre Coefficients

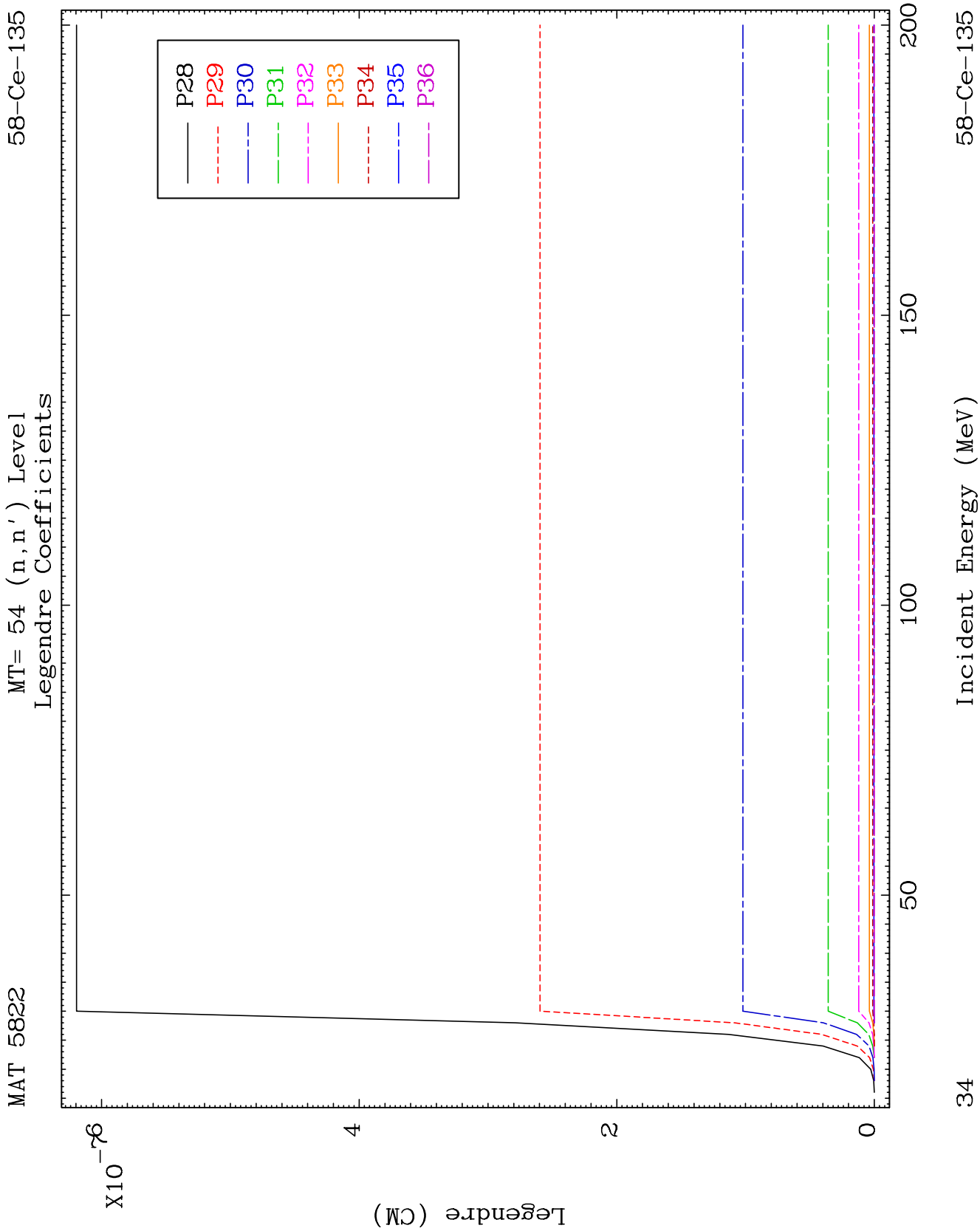
58-Ce-135



58-Ce-135

Incident Energy (MeV)

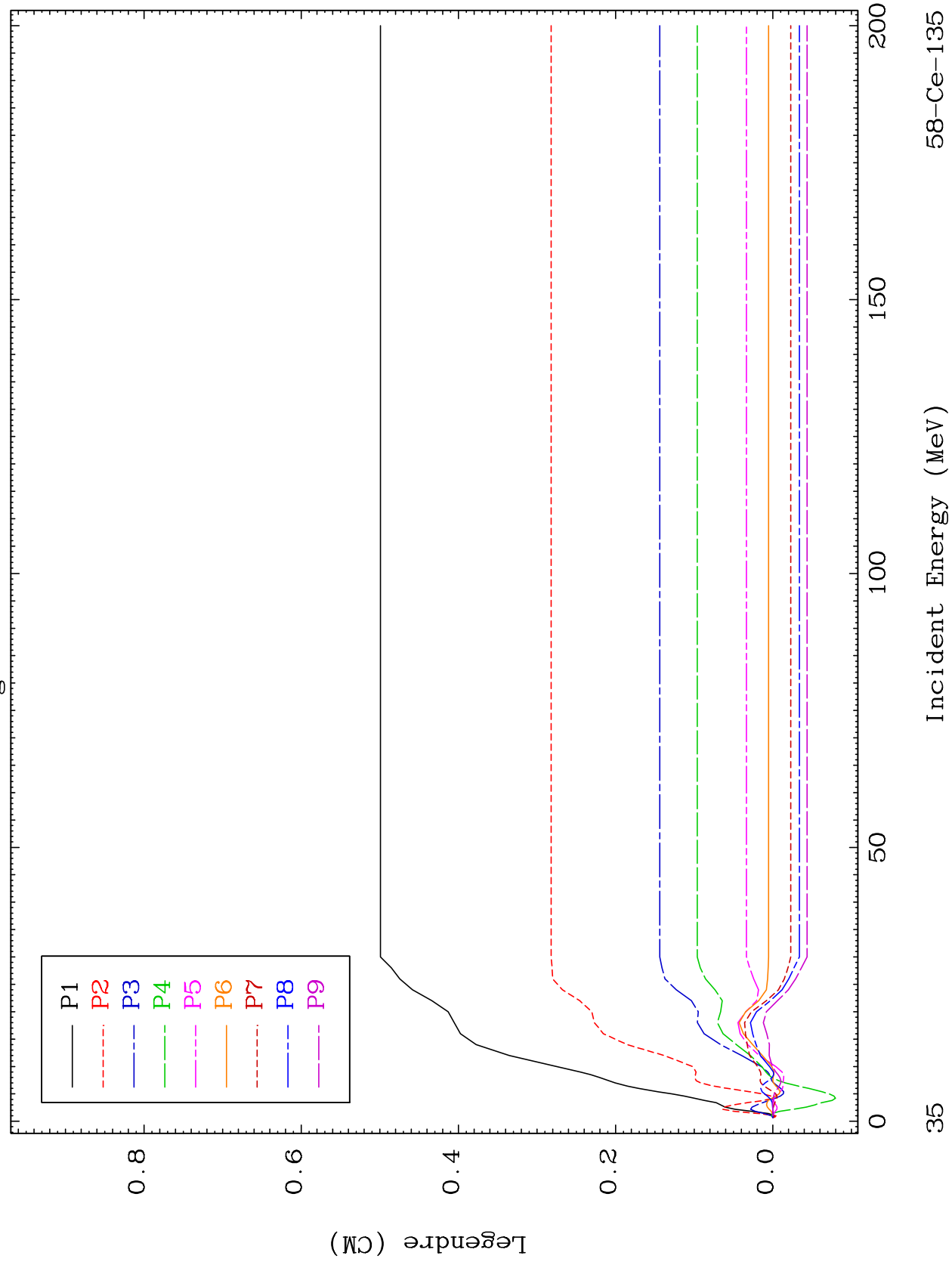


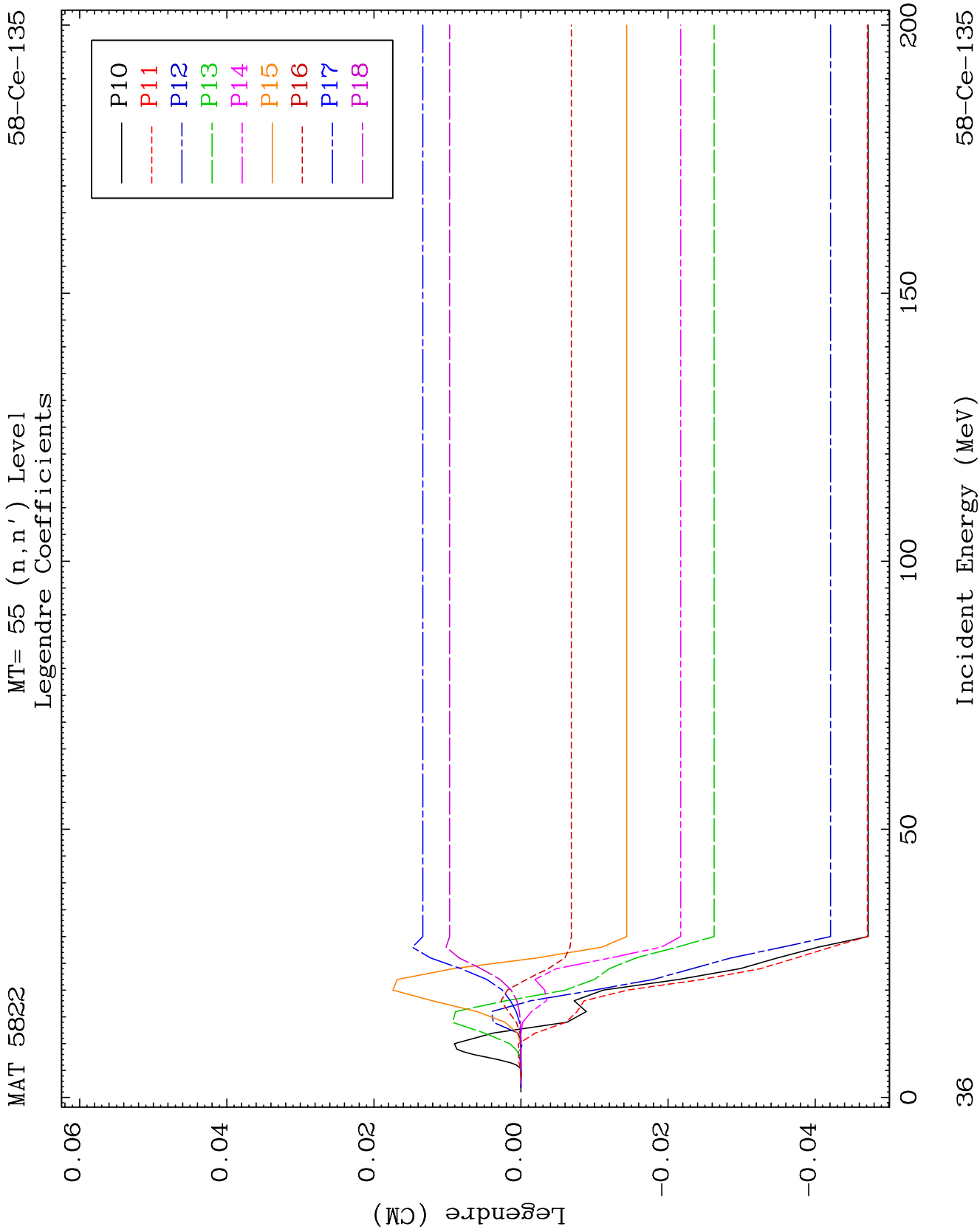


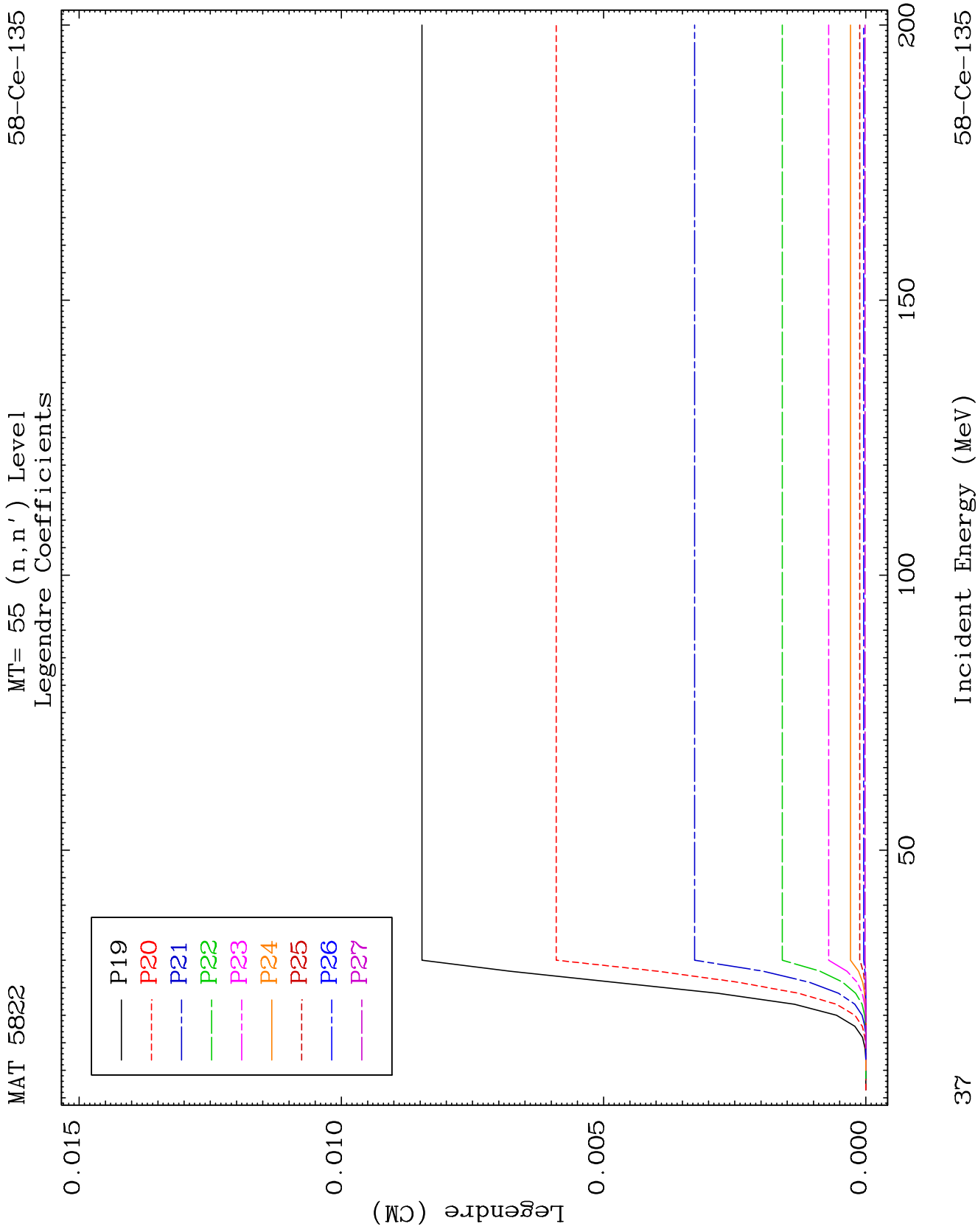
MAT 5822

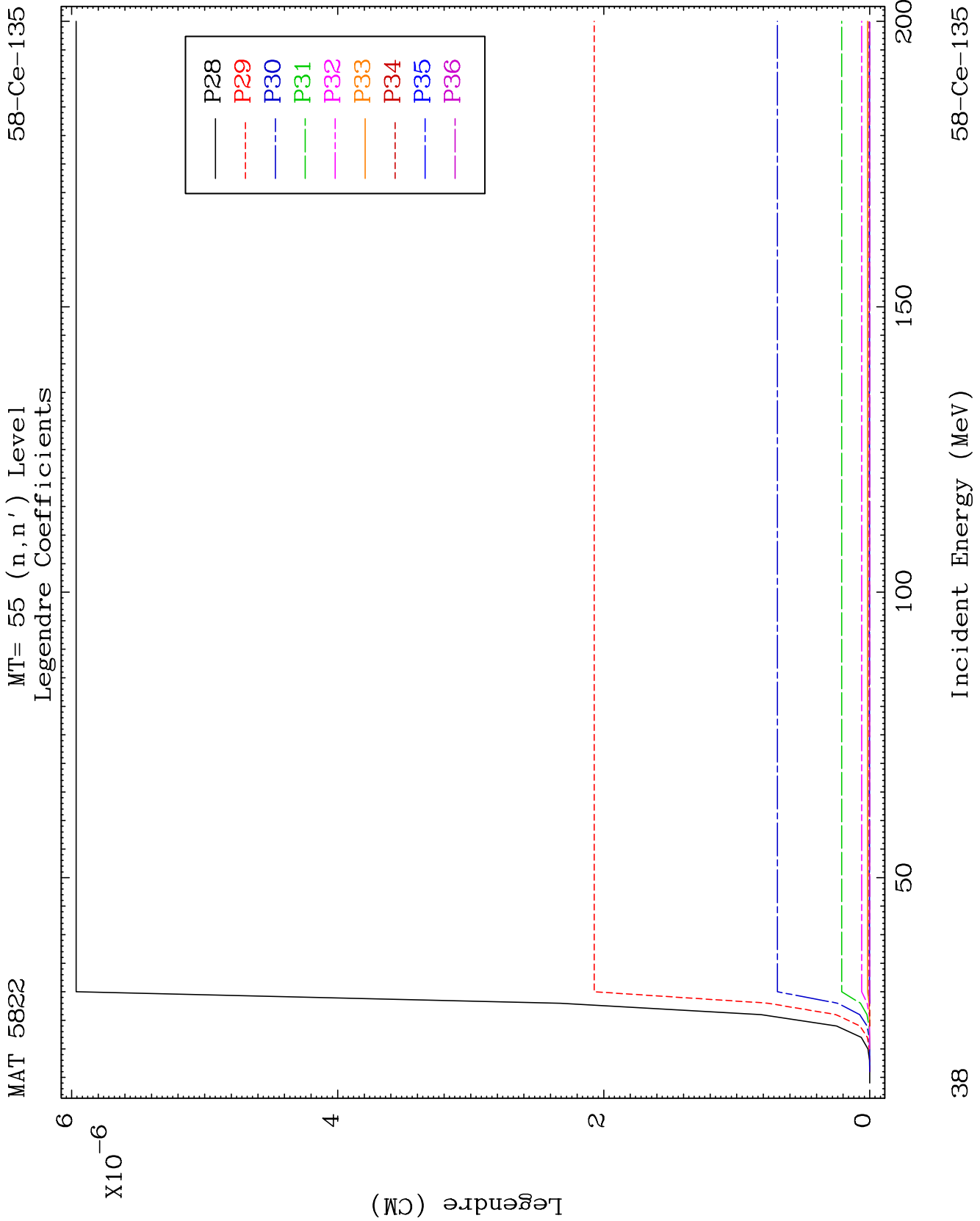
MT= 55 (n, n') Level
Legendre Coefficients

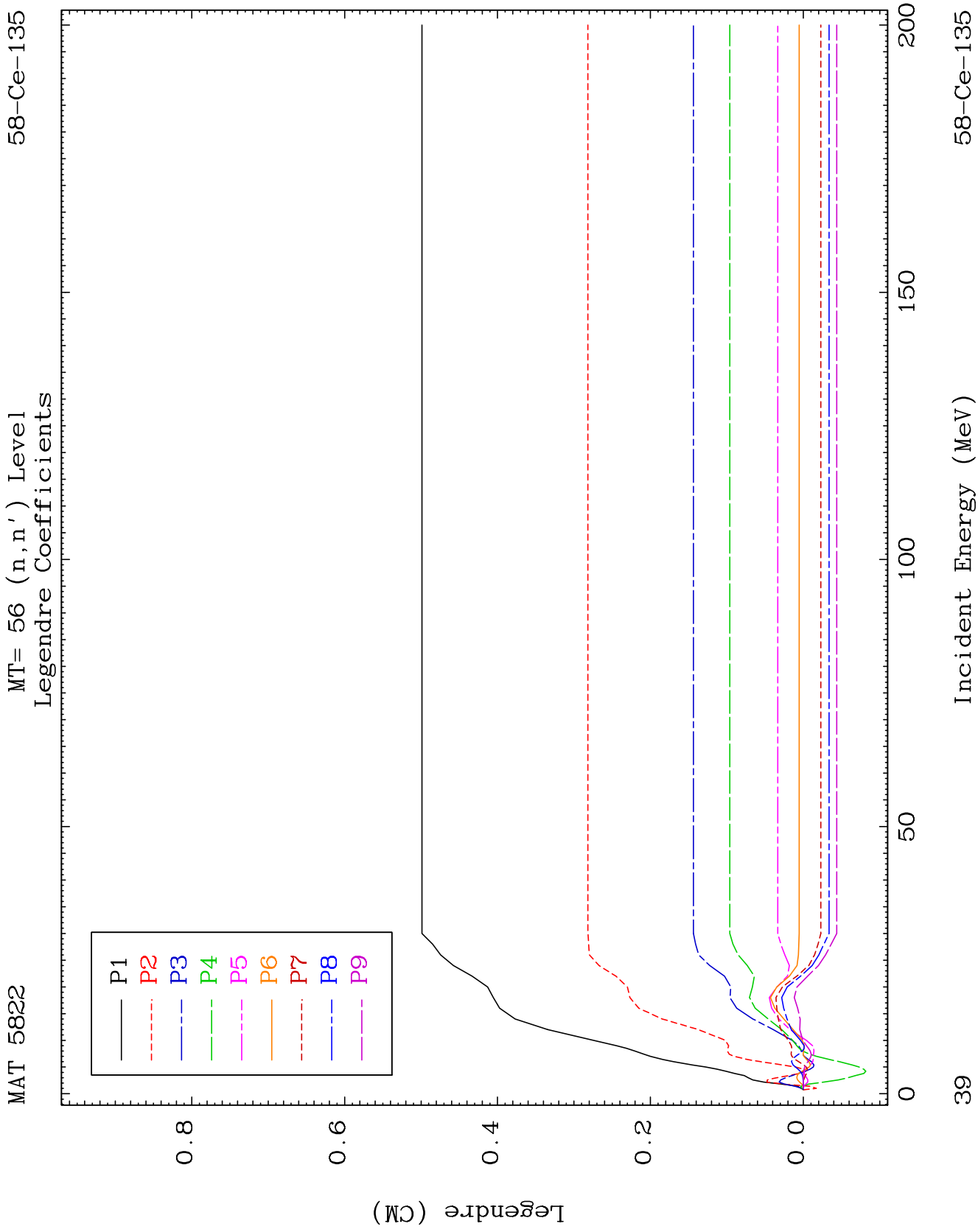
58-Ce-135

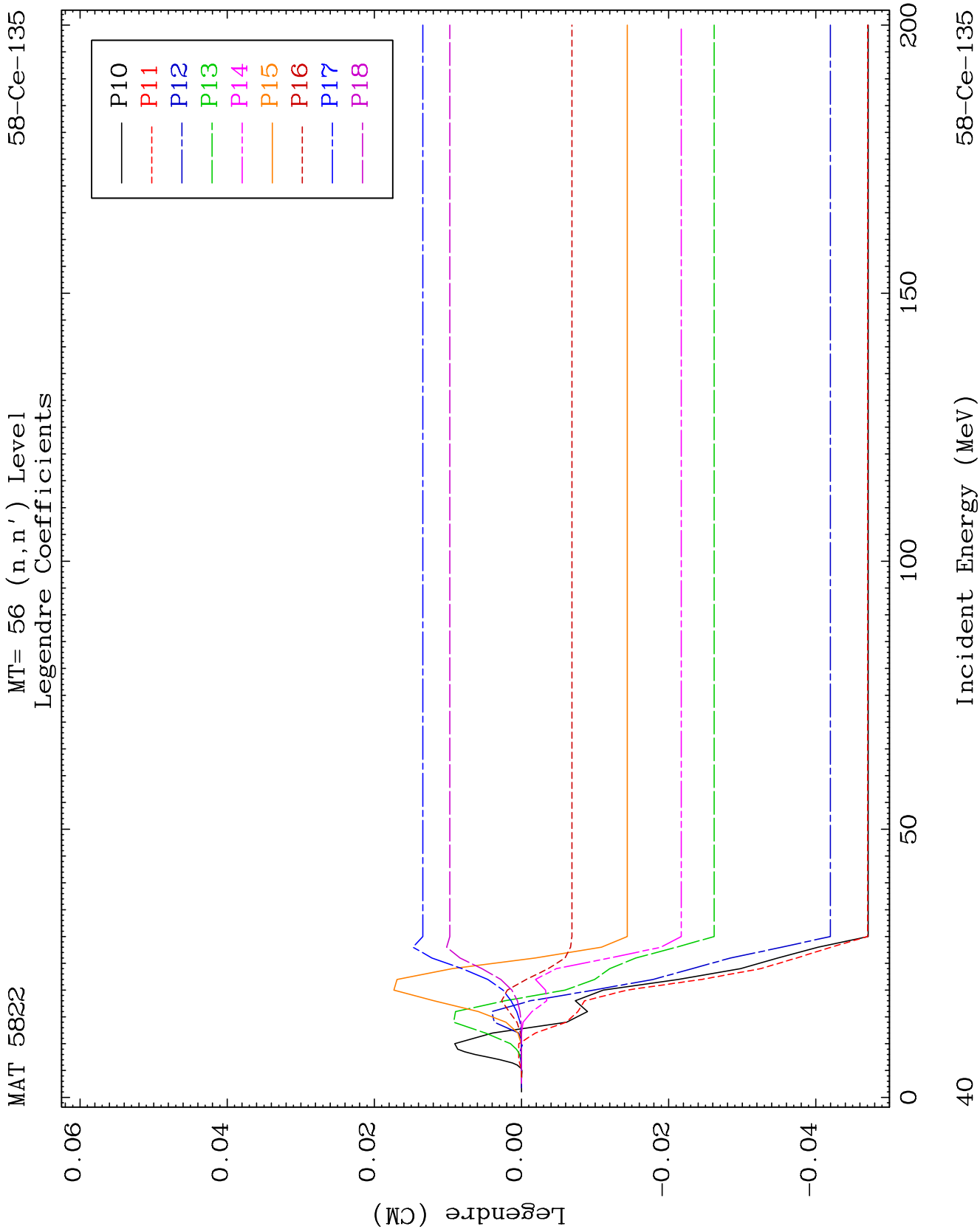


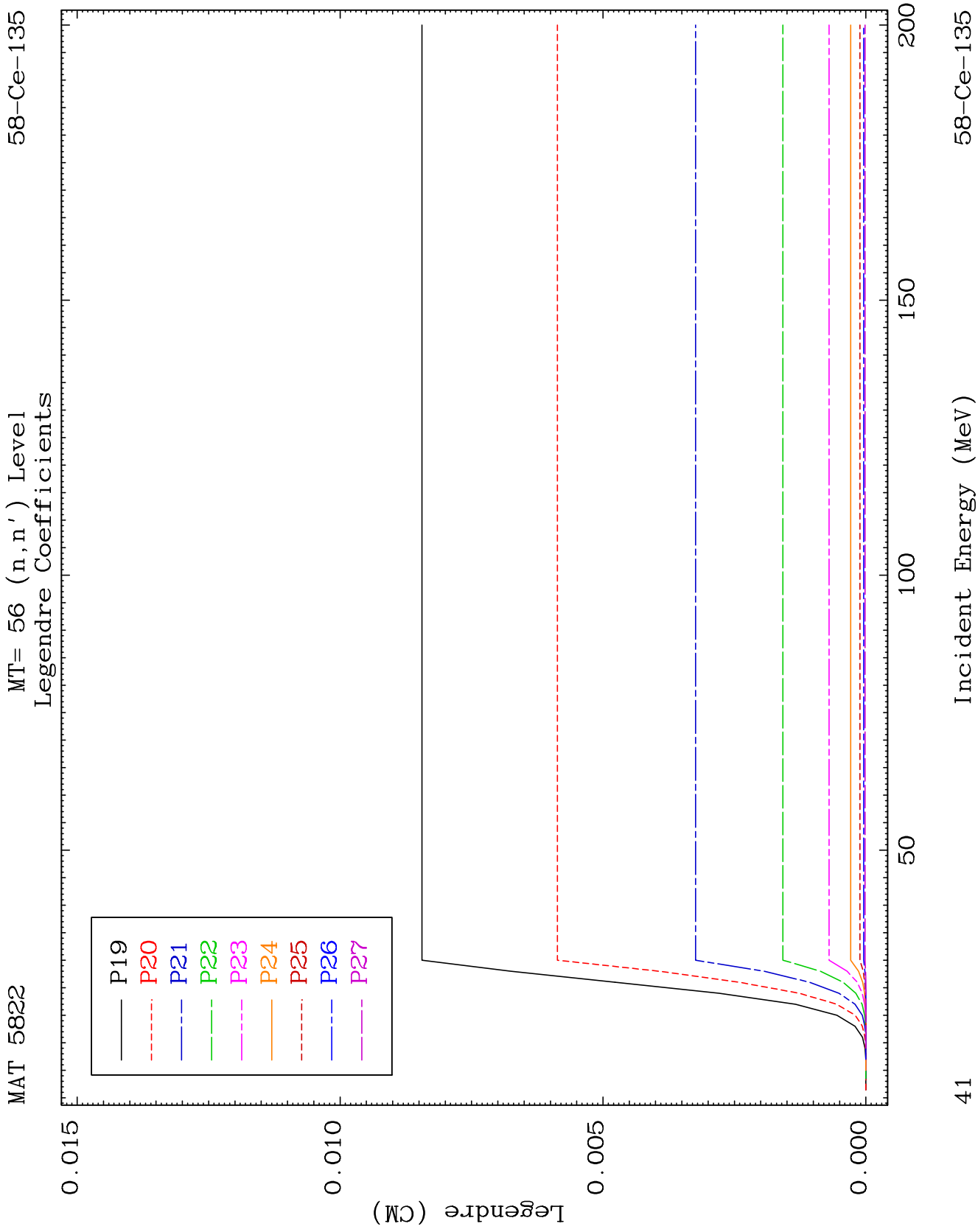


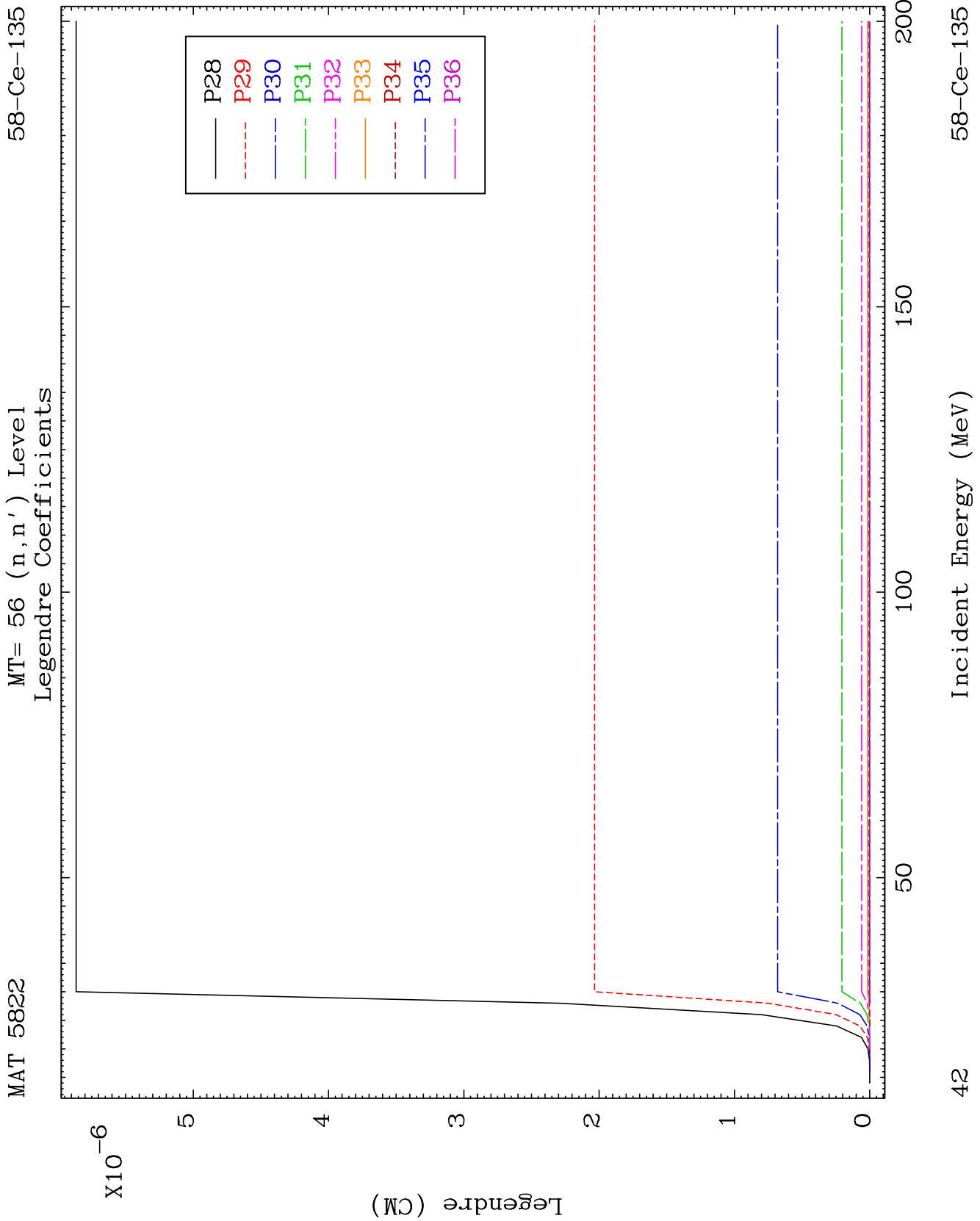


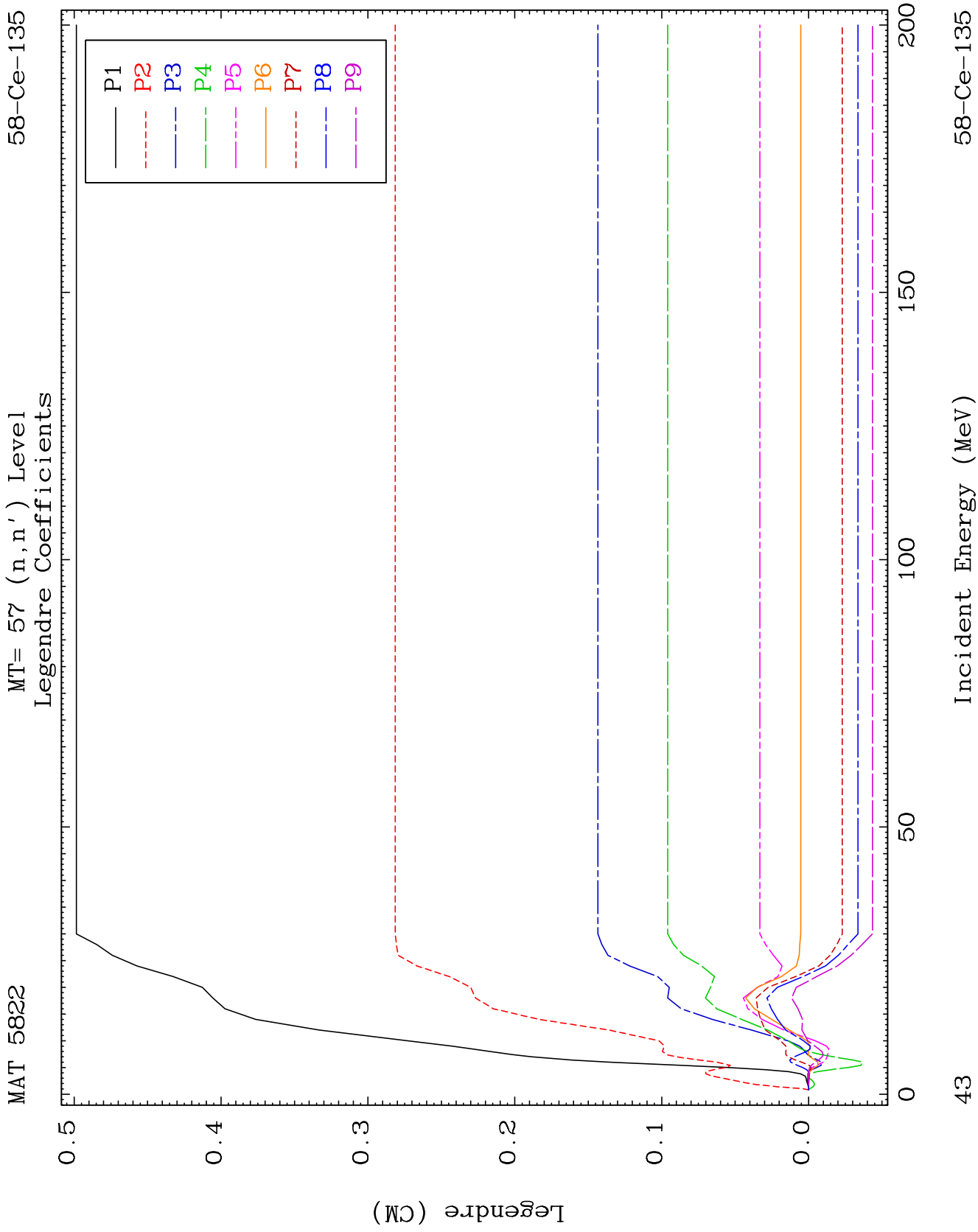


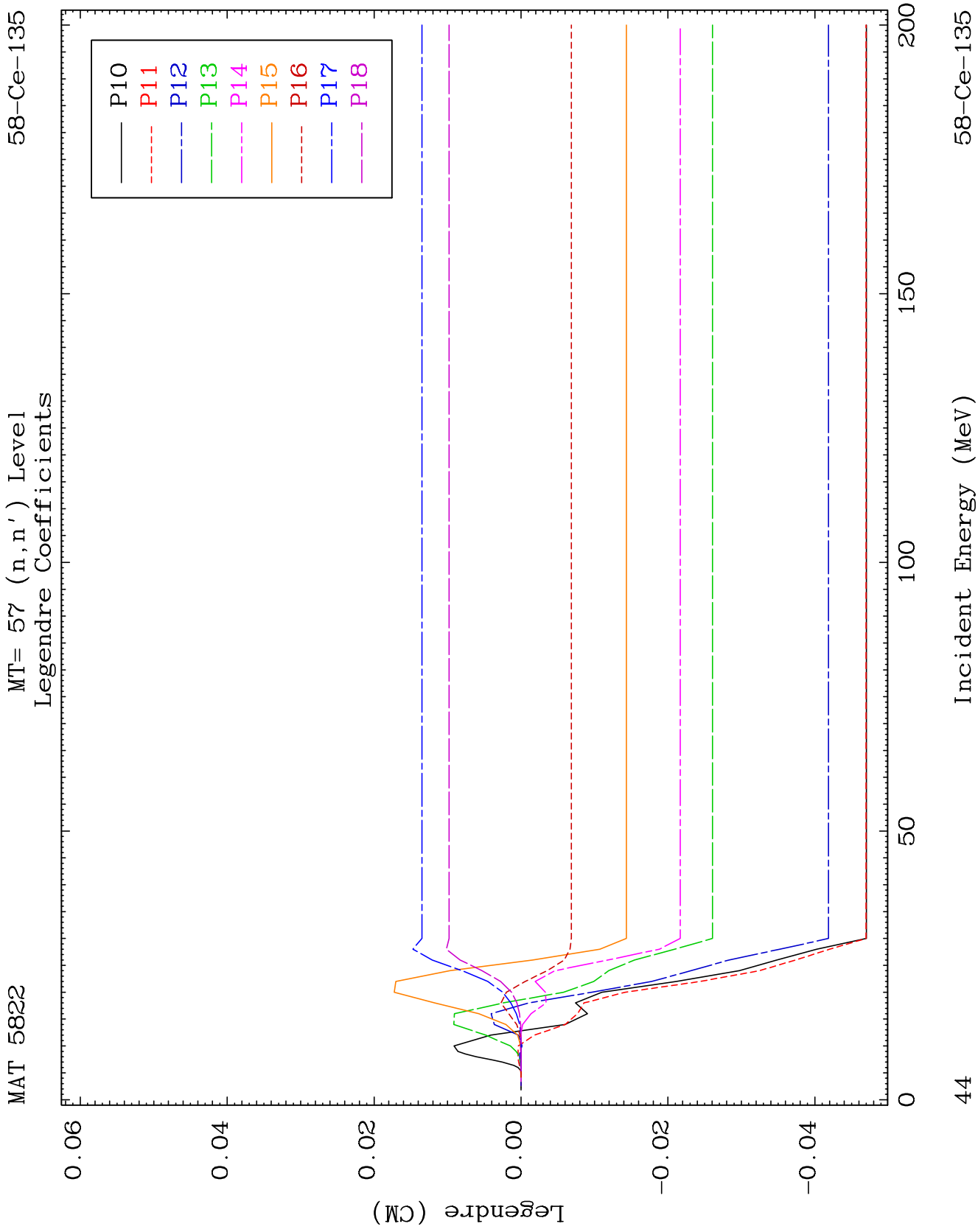


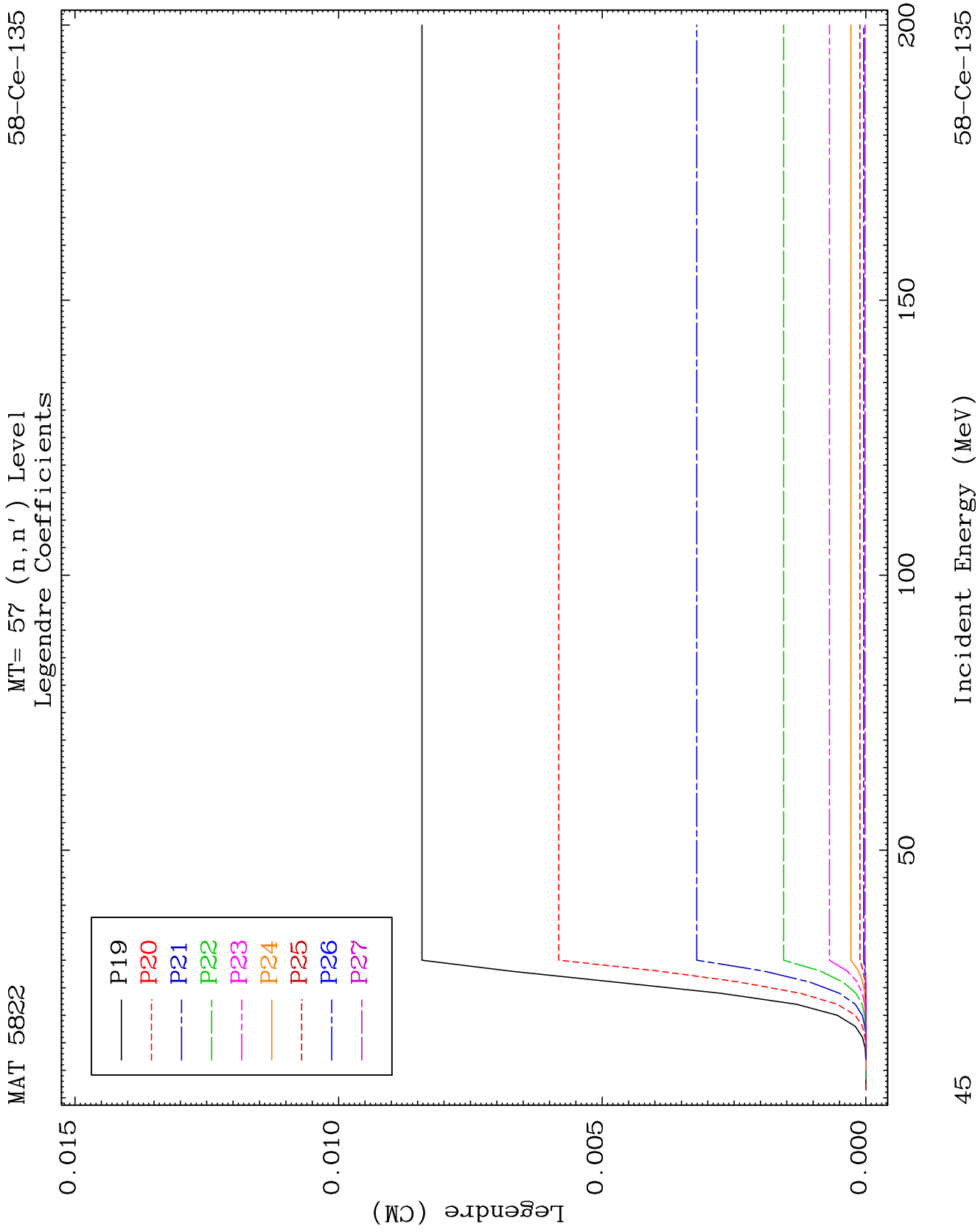


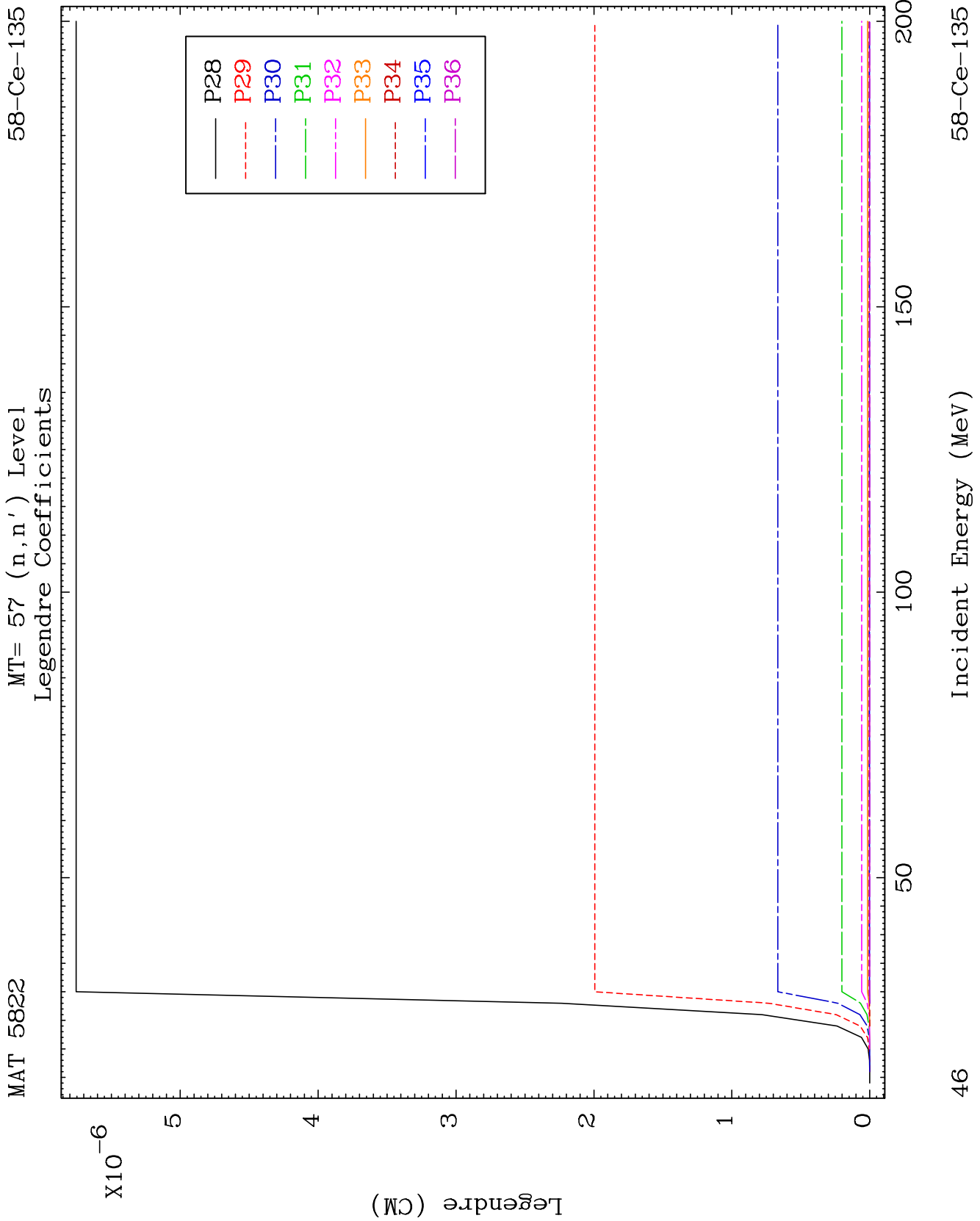








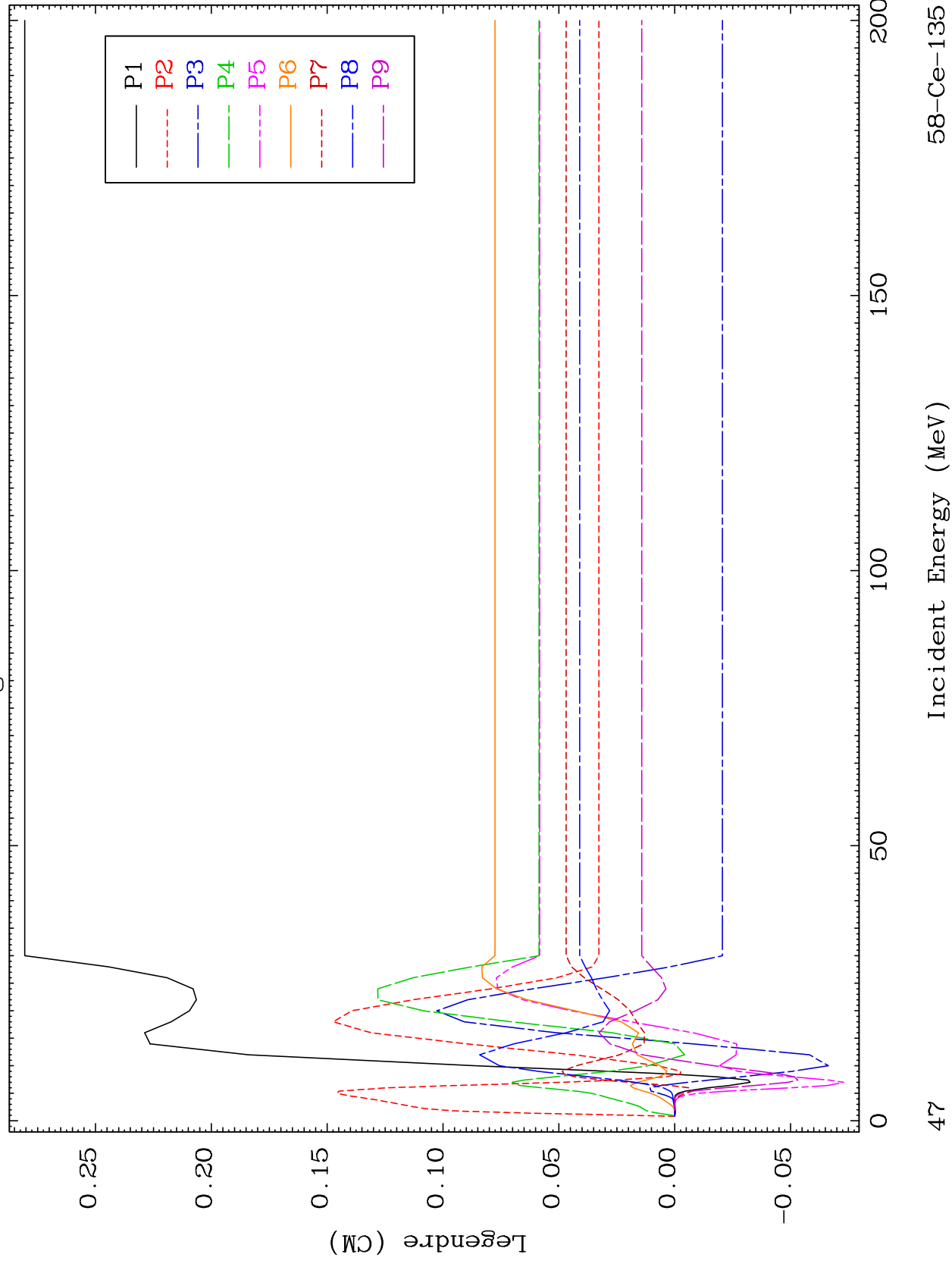




MAT 5822

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

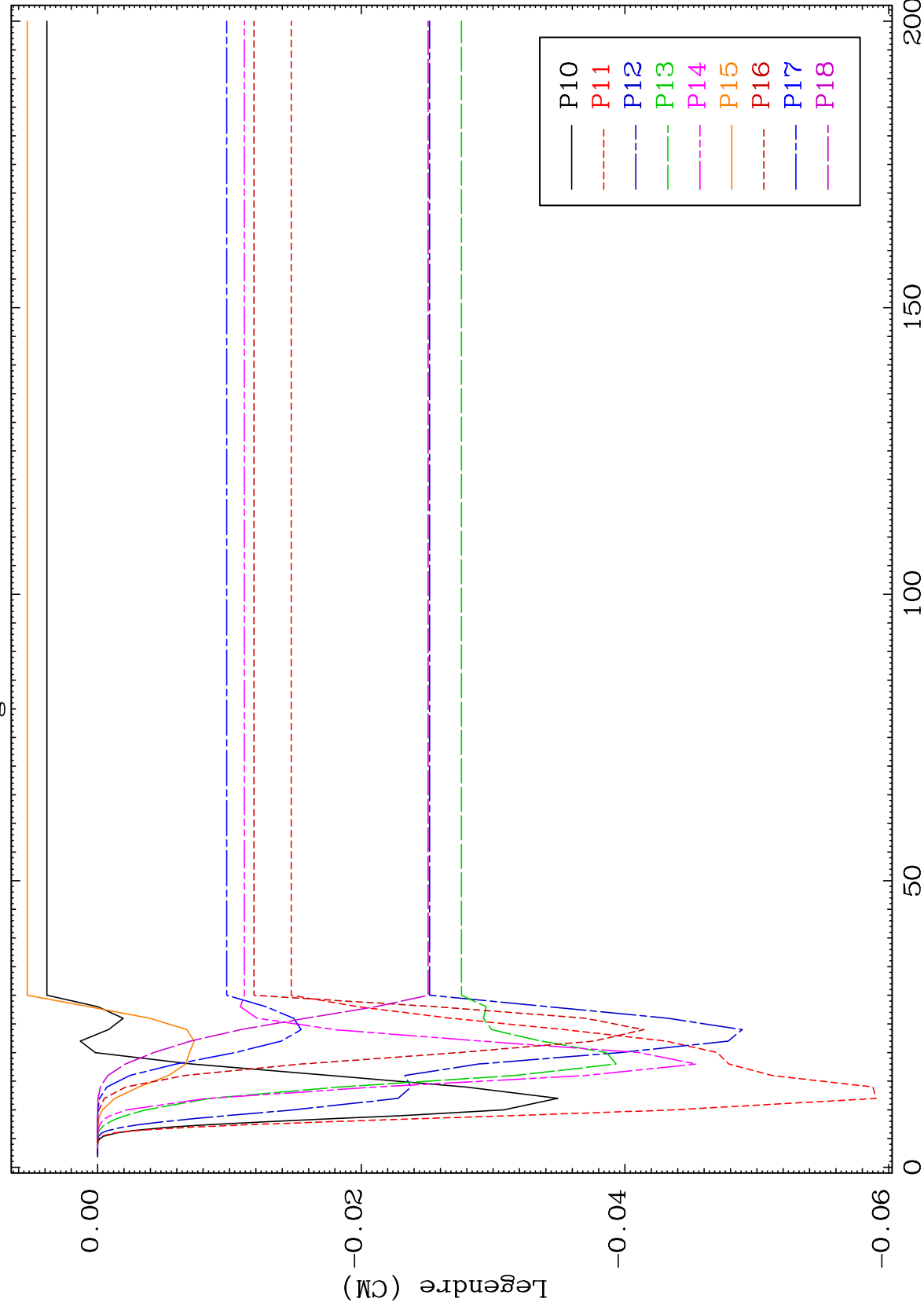
58-Ce-135



MAT 5822

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

58-Ce-135



48

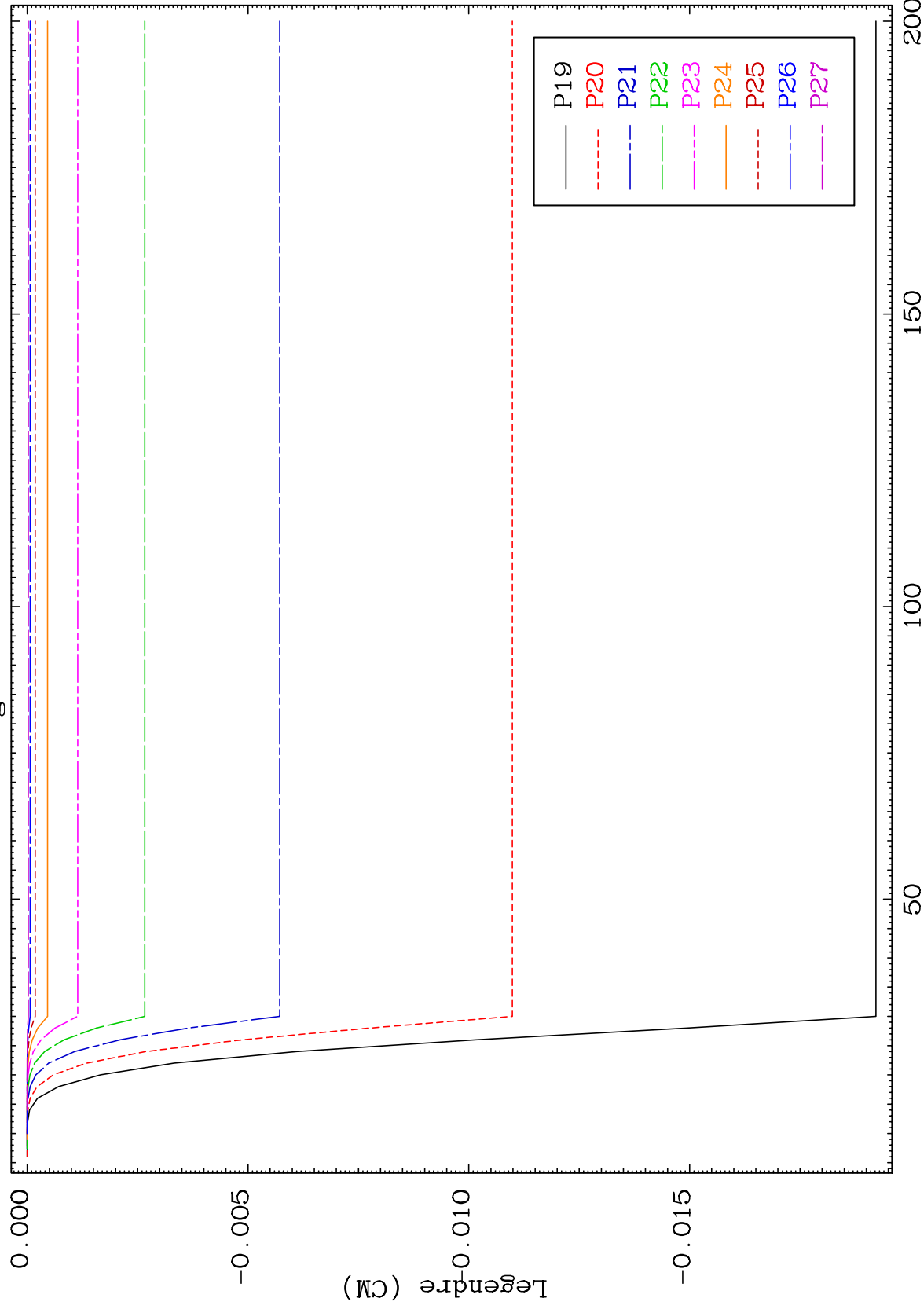
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

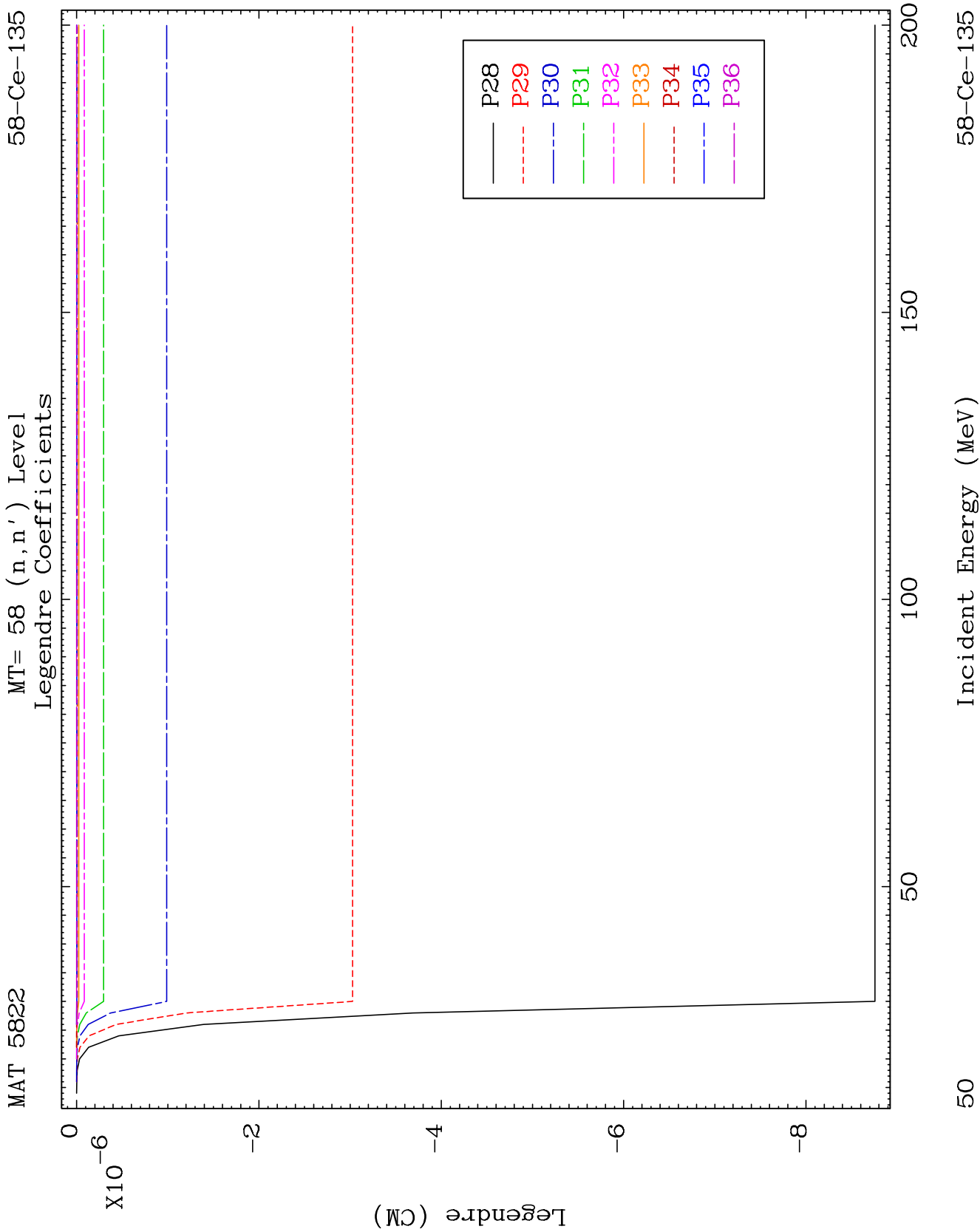
58-Ce-135

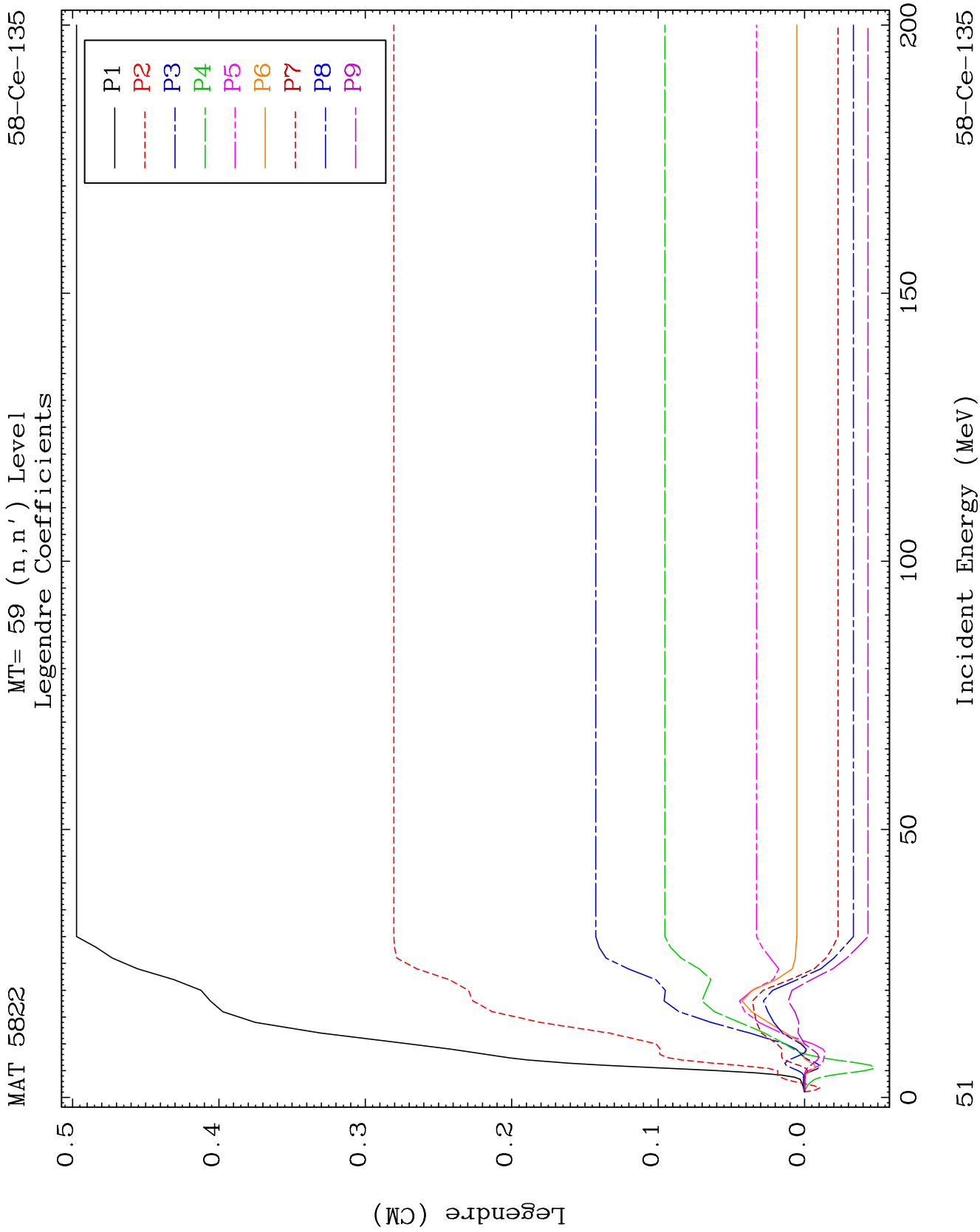


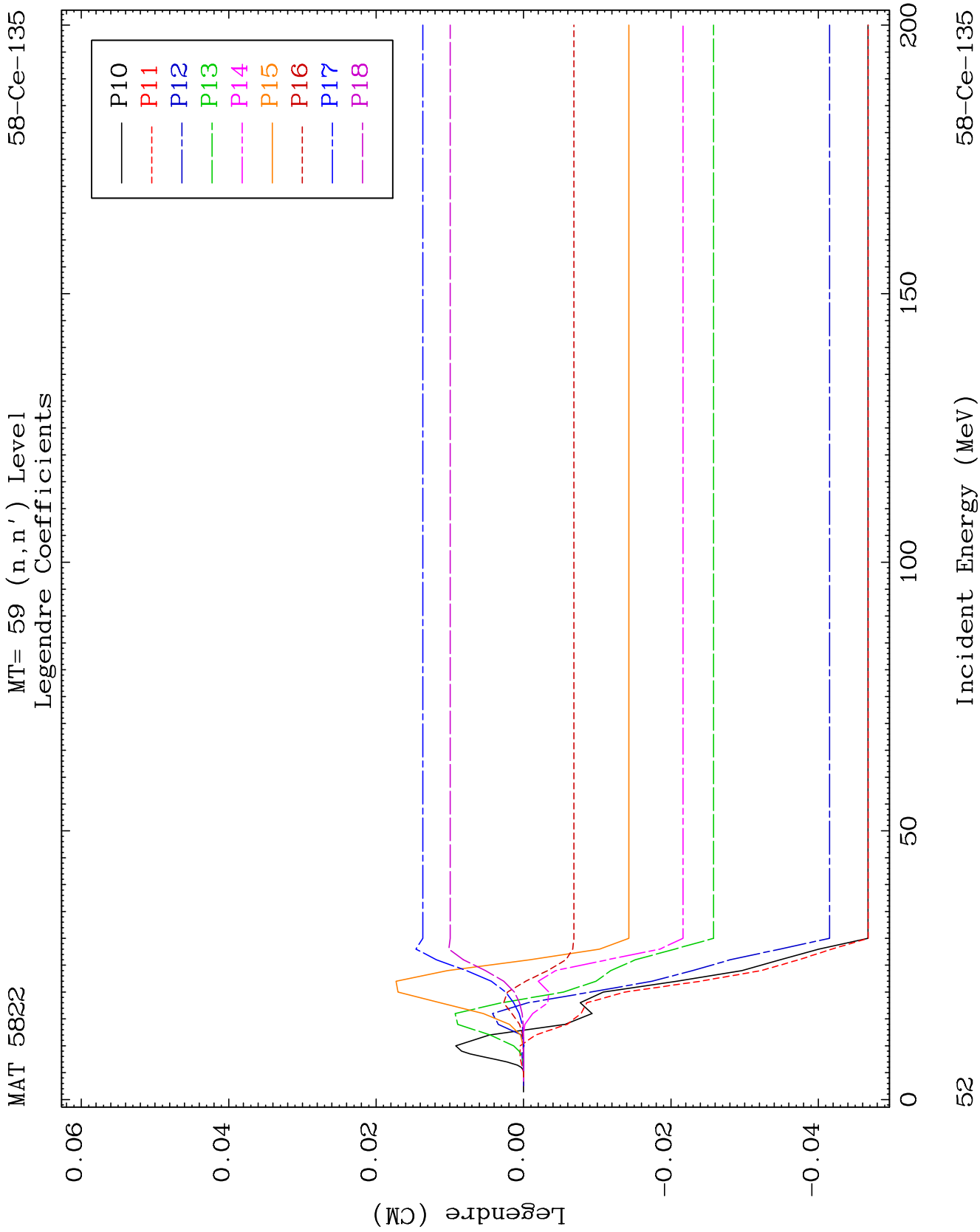
49

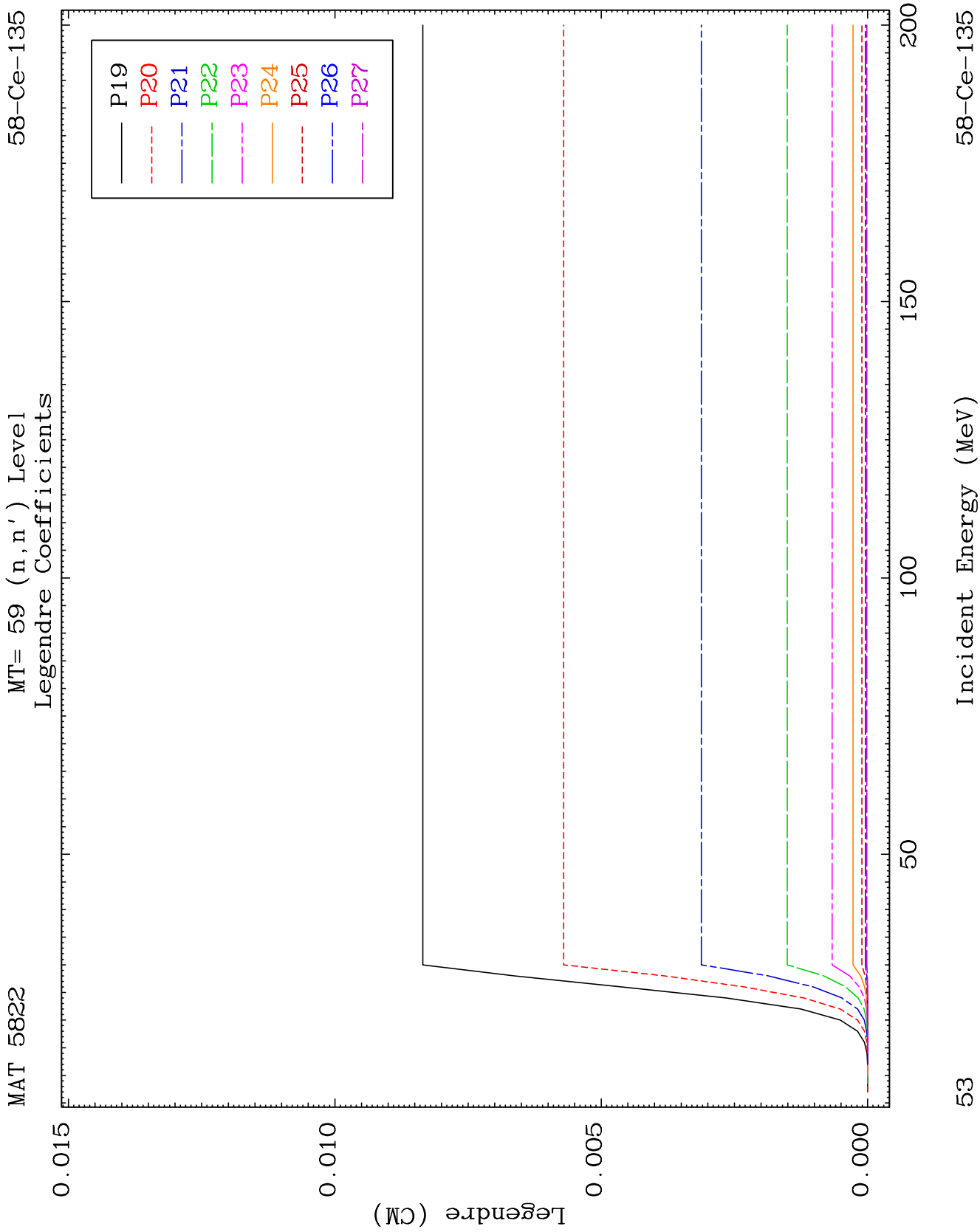
Incident Energy (MeV)

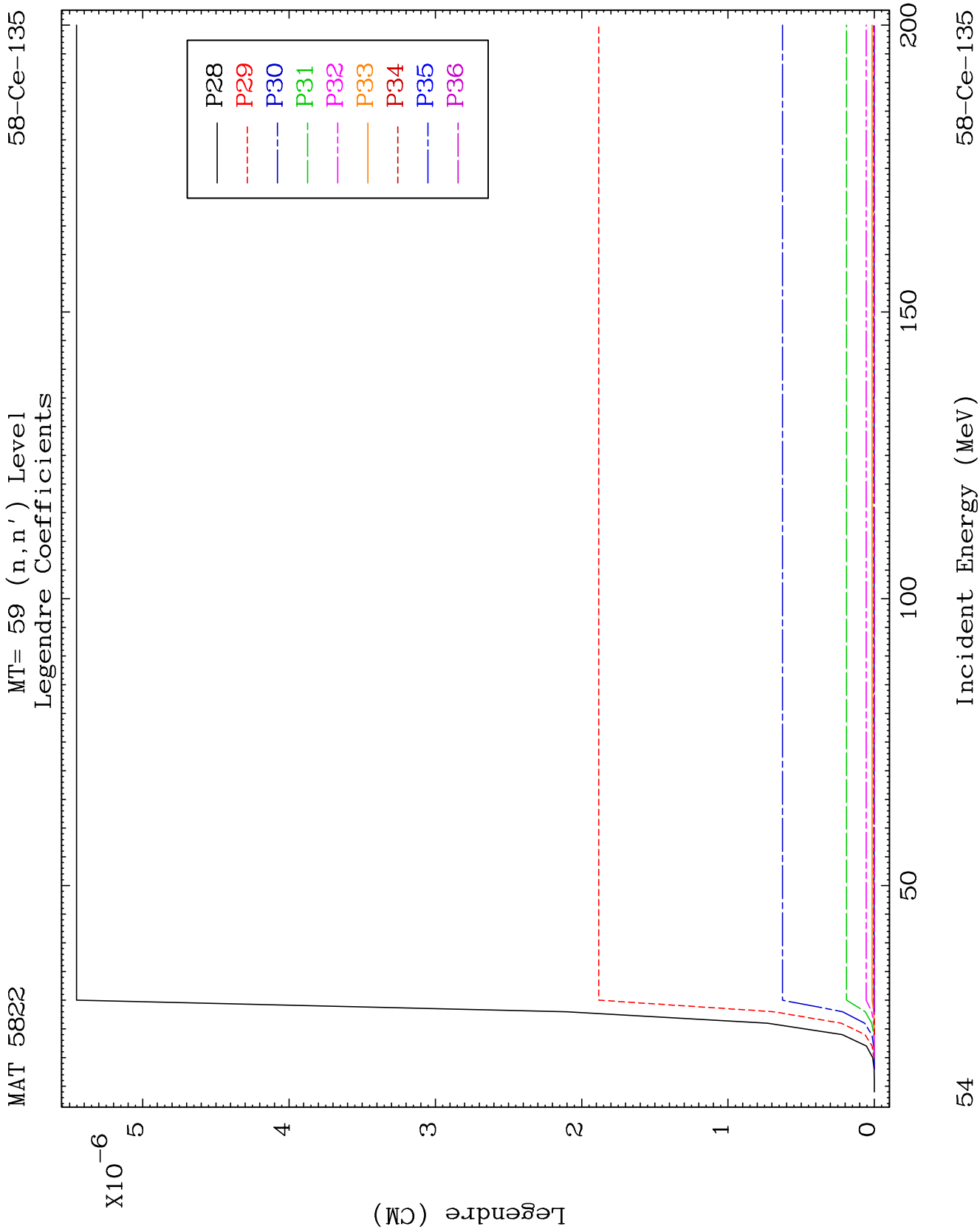
58-Ce-135







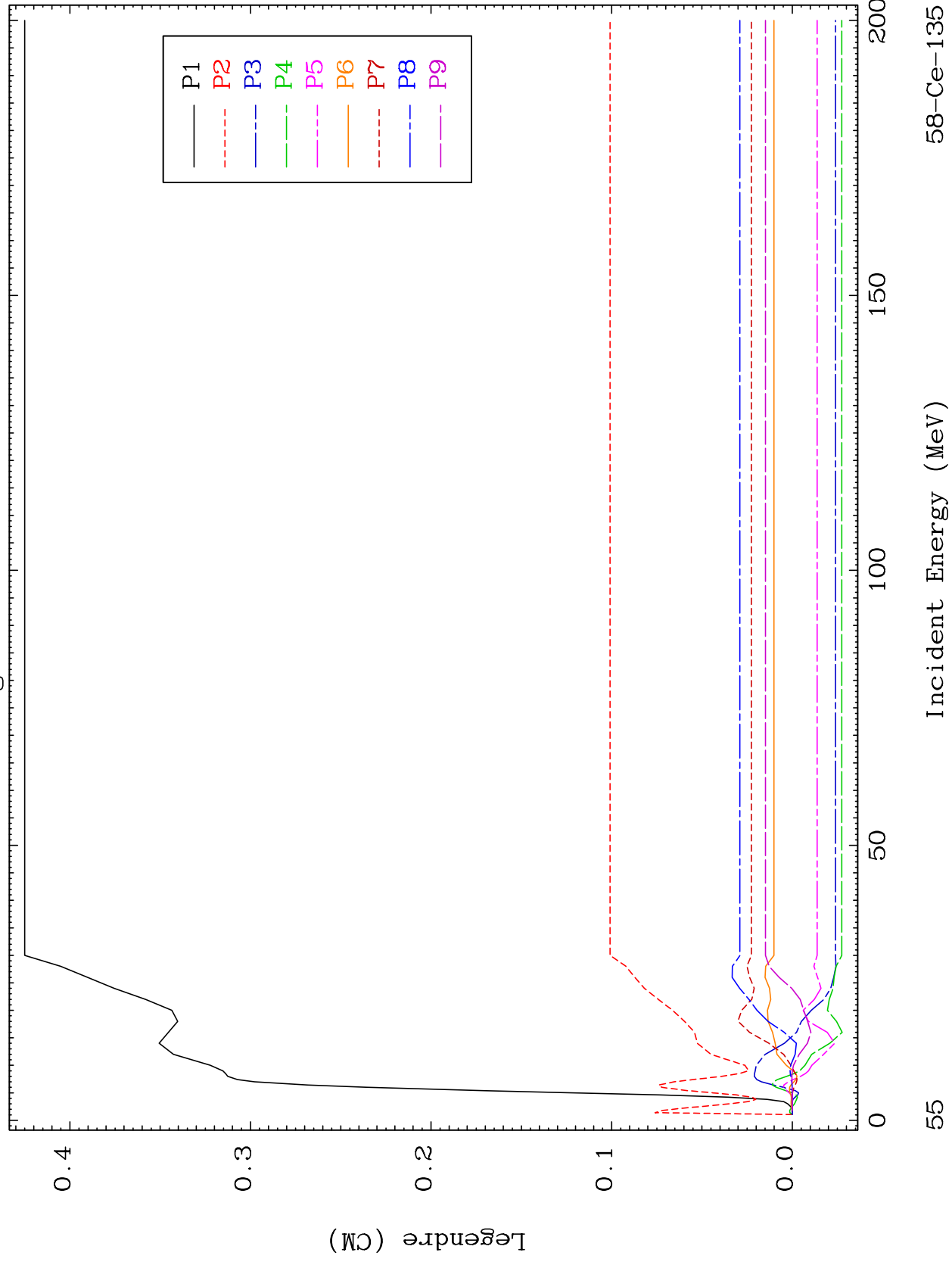


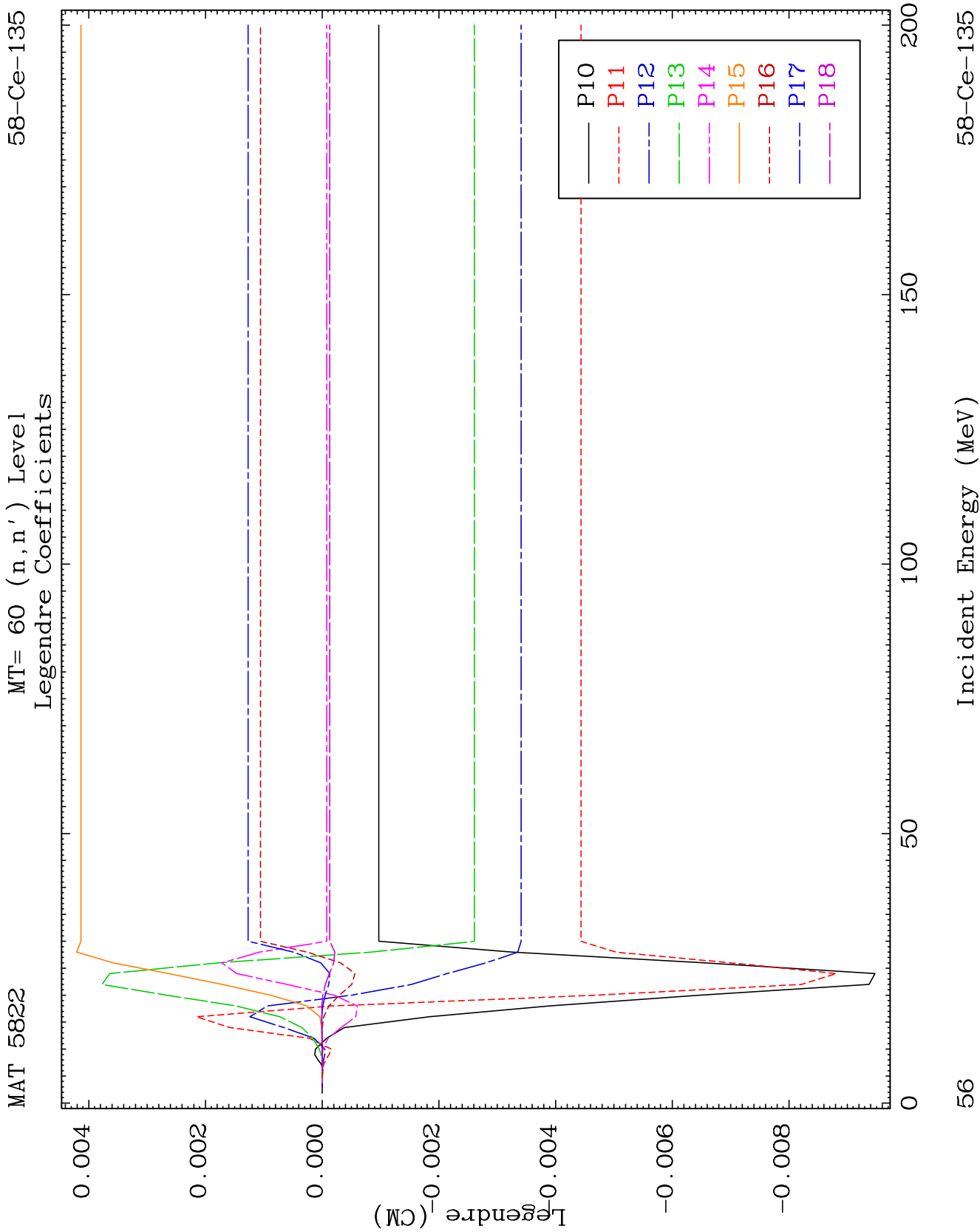


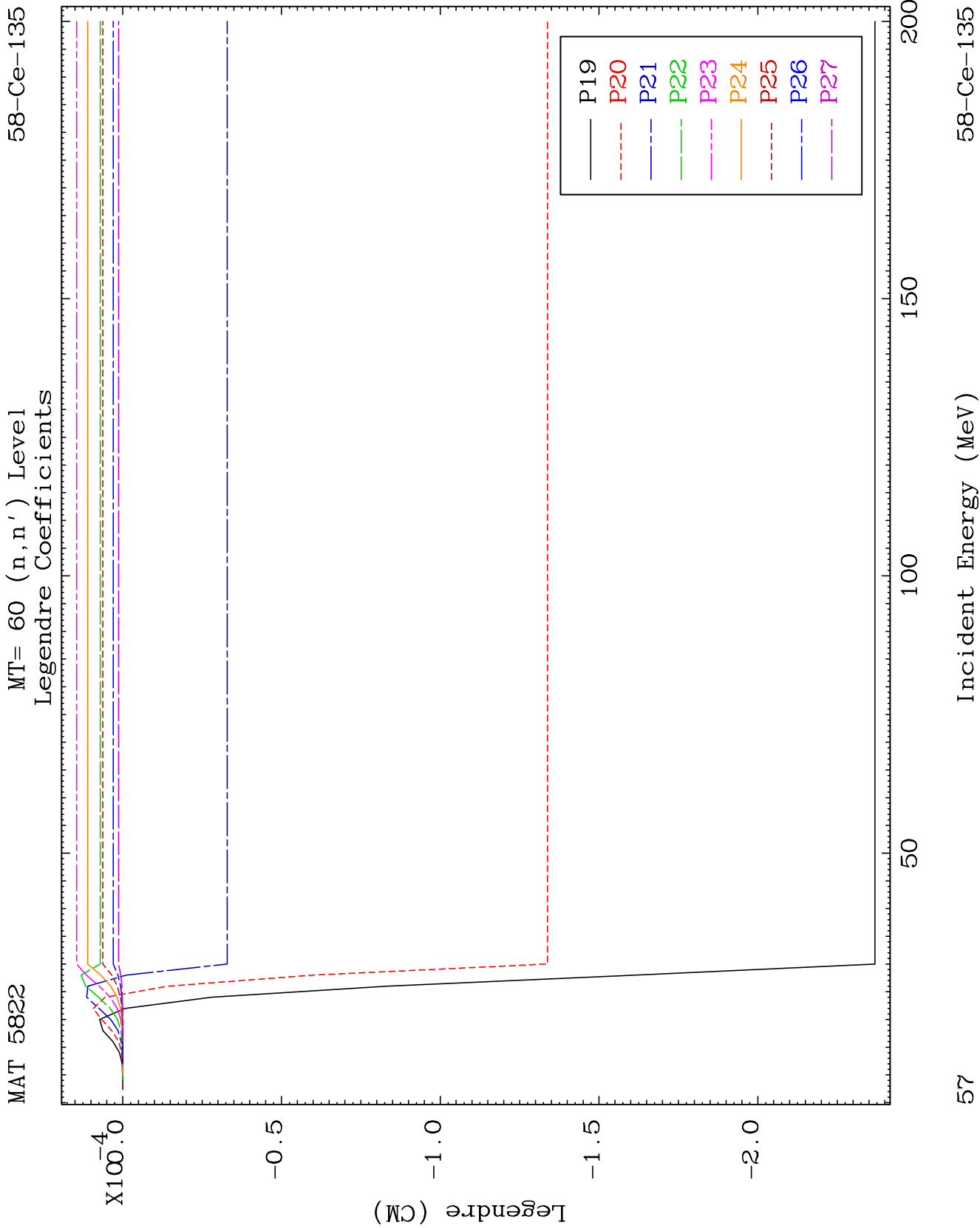
MAT 5822

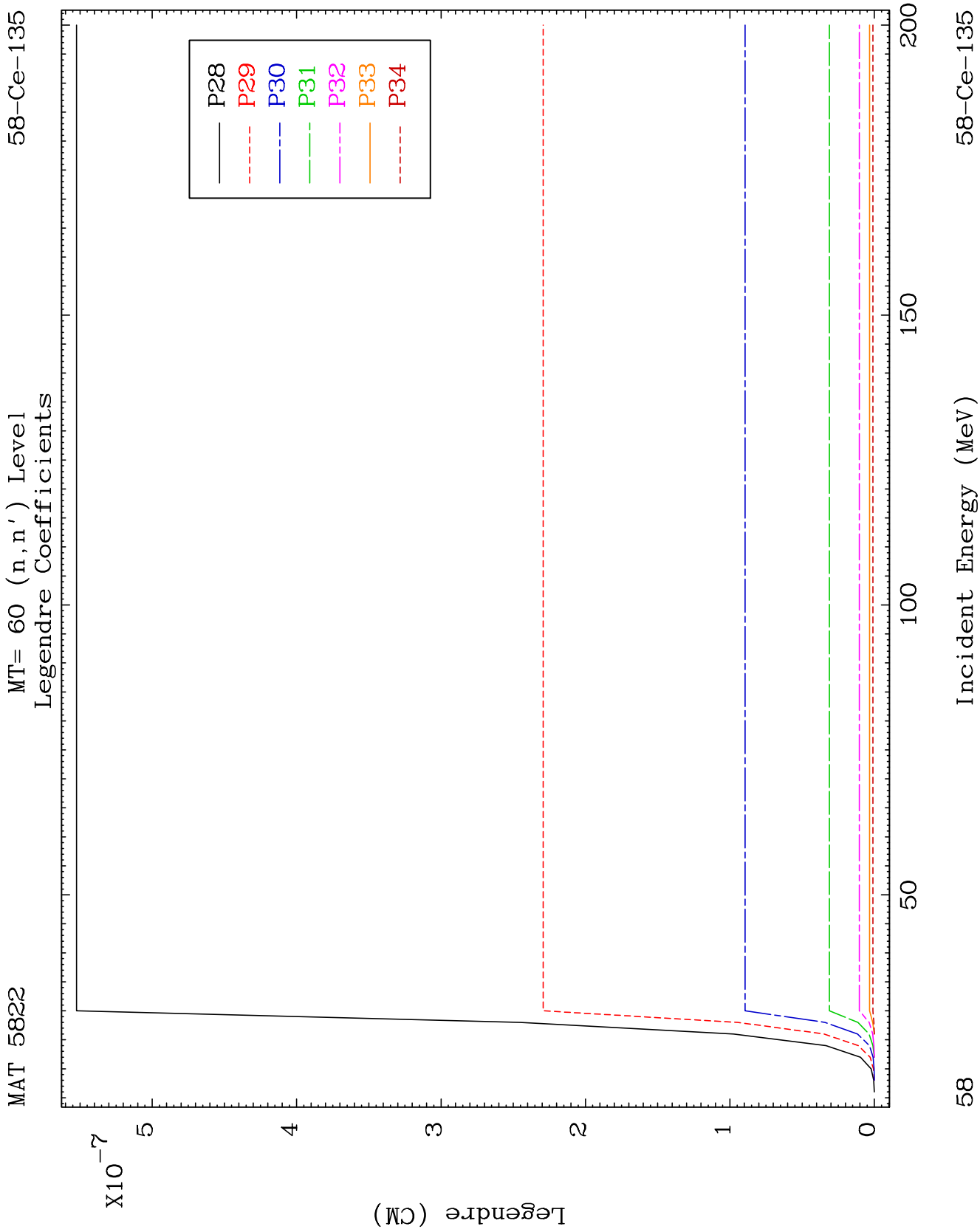
MT= 60 (n, n') Level
Legendre Coefficients

58-Ce-135





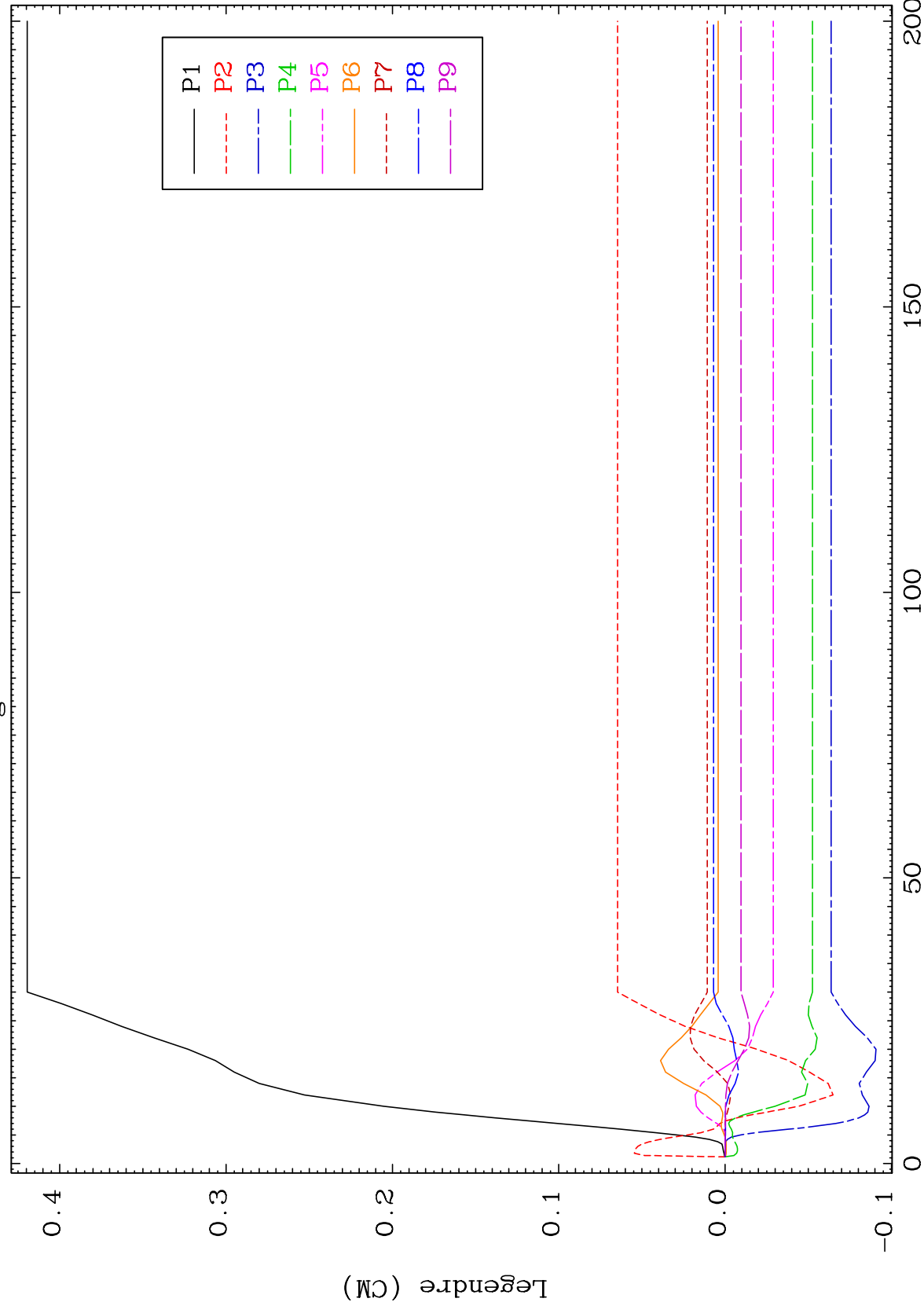




MAT 5822

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

58-Ce-135



59

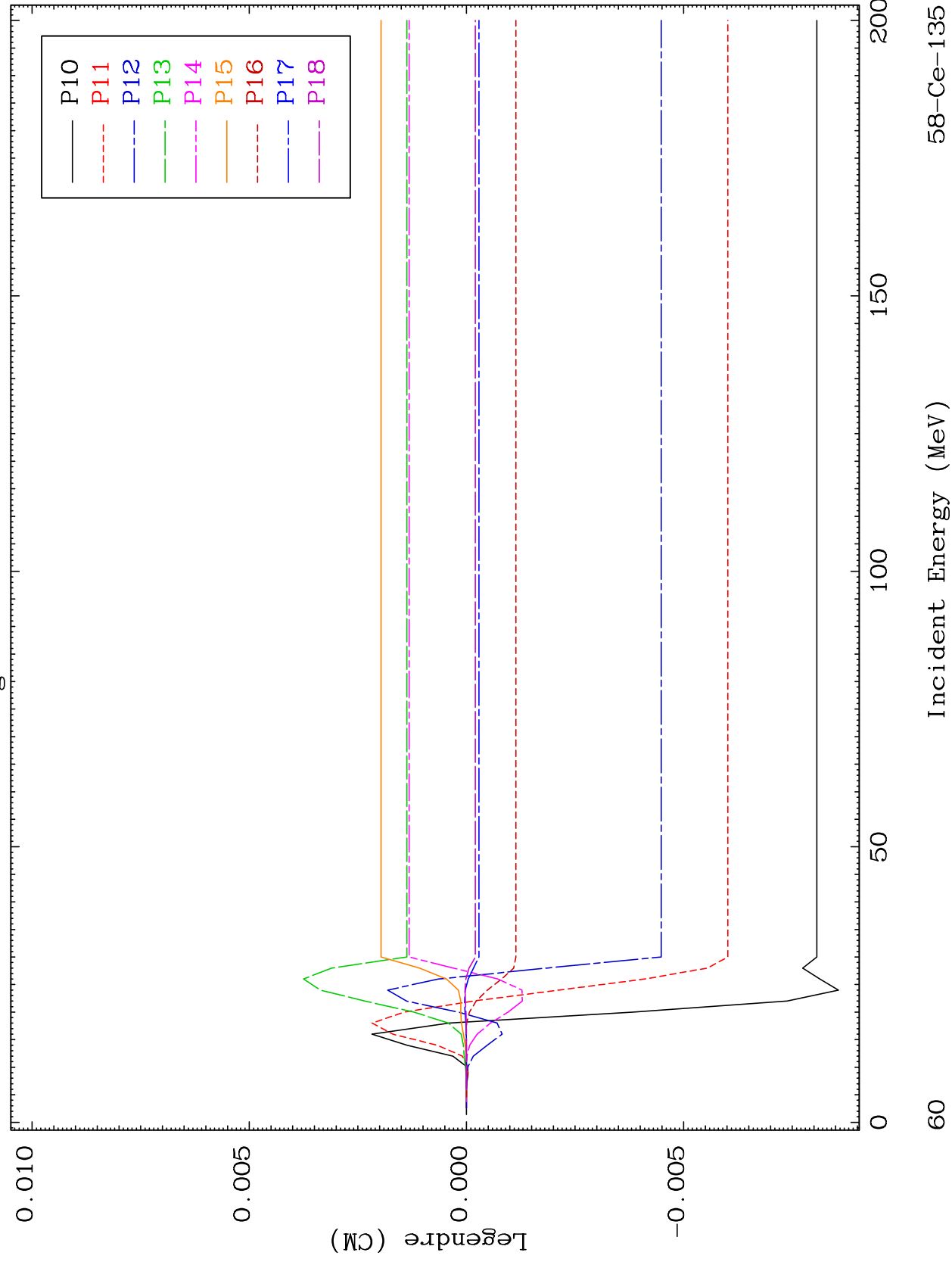
Incident Energy (MeV)

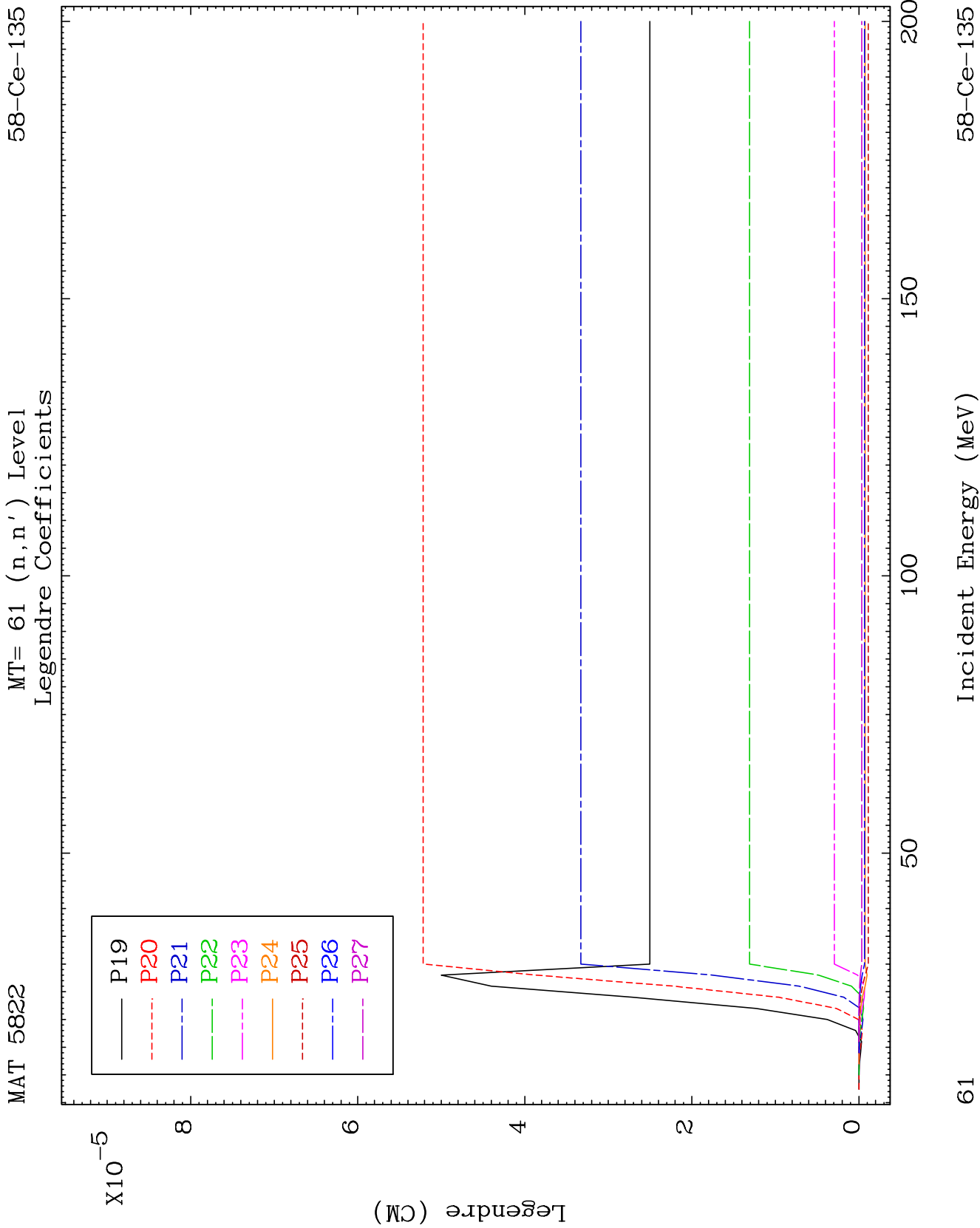
58-Ce-135

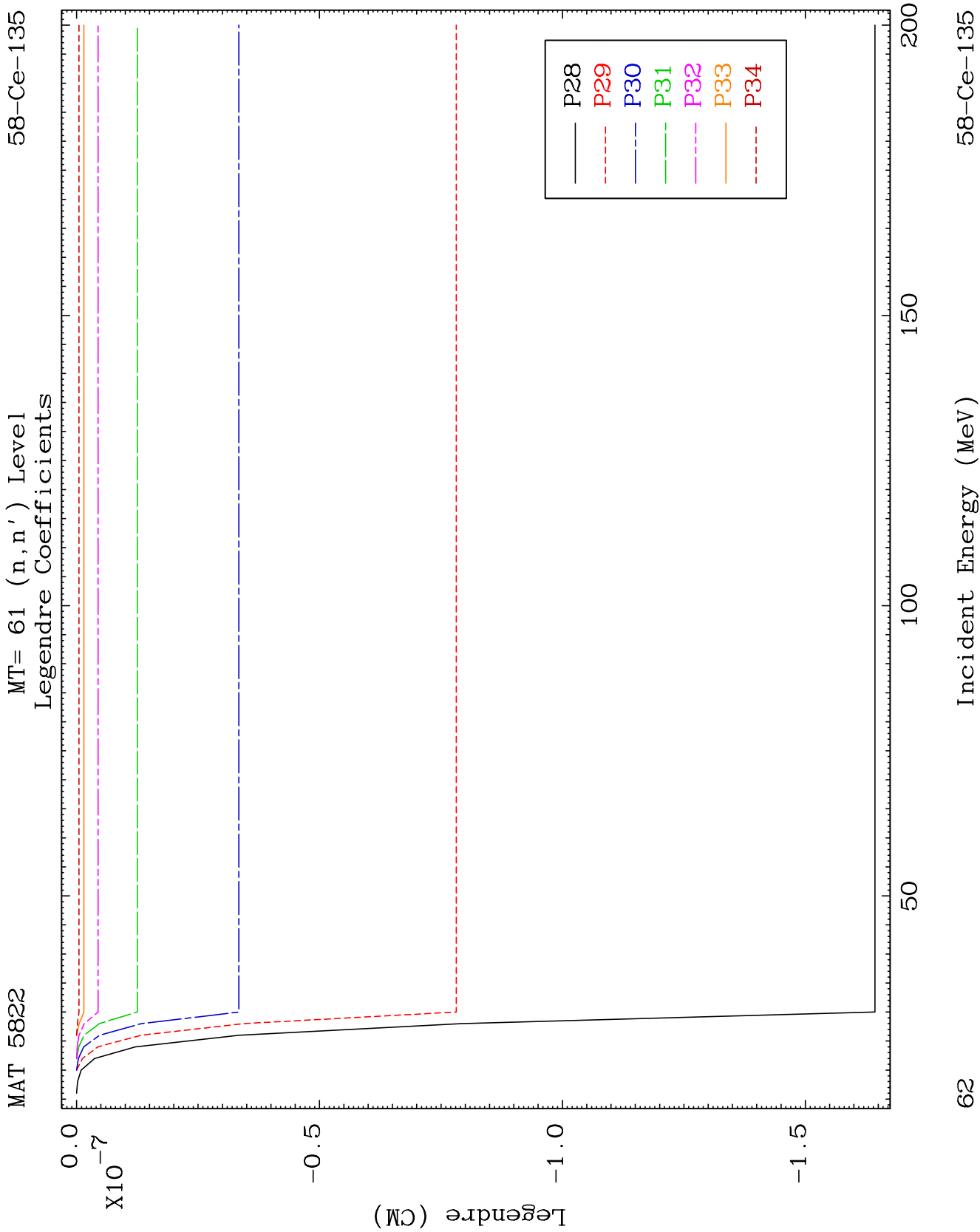
MAT 5822

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

58-Ce-135



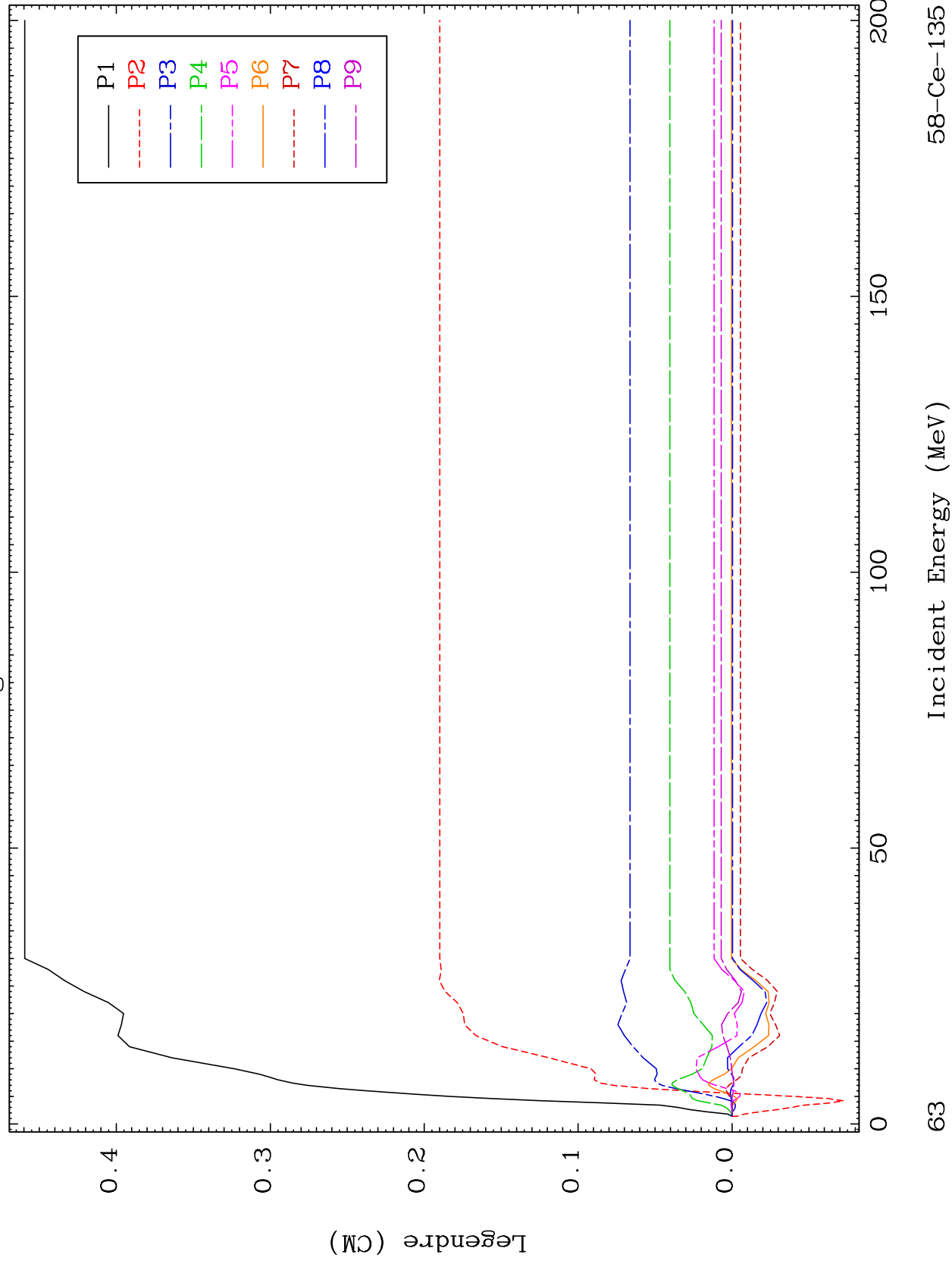




MAT 5822

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

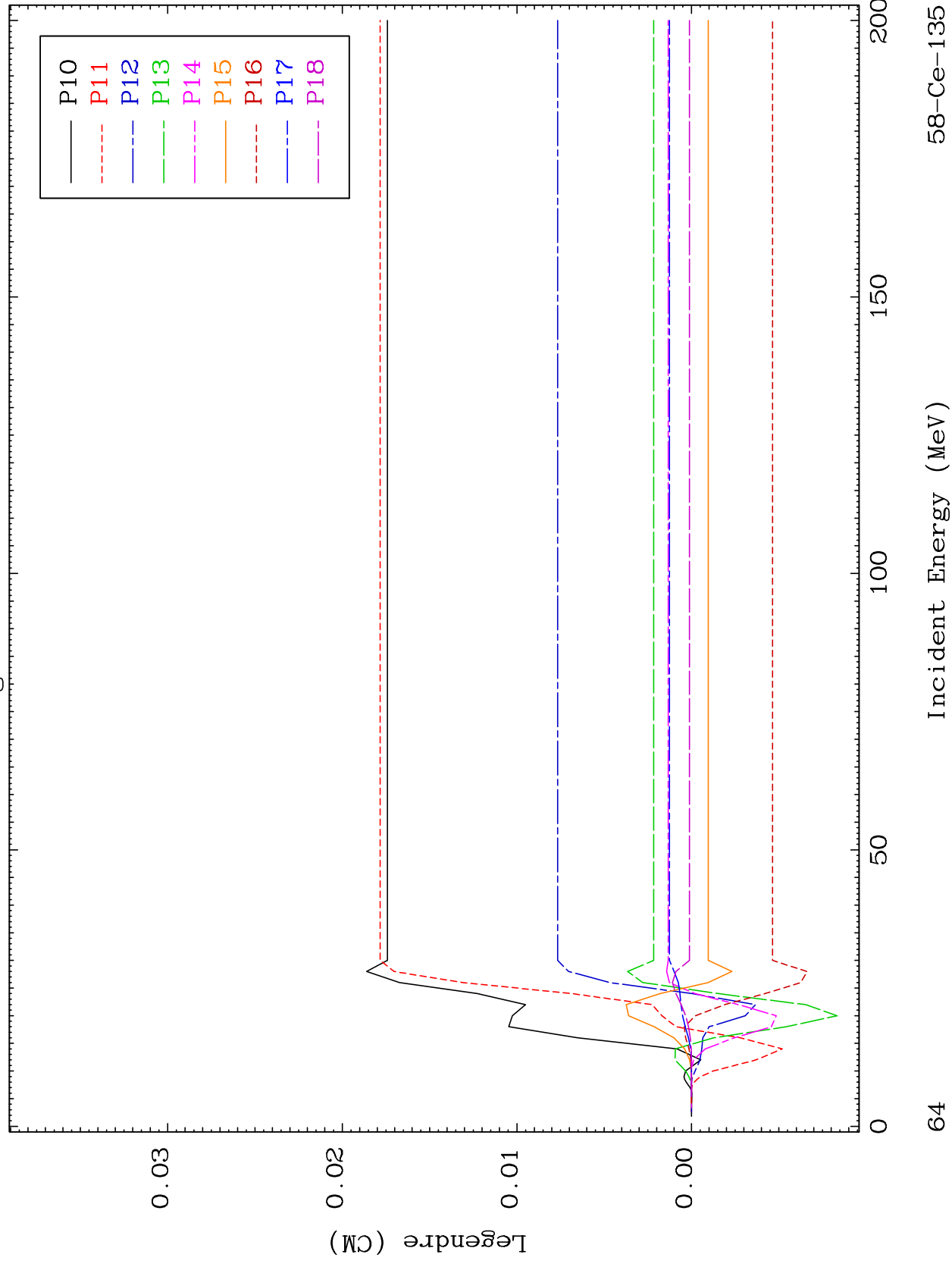
58-Ce-135

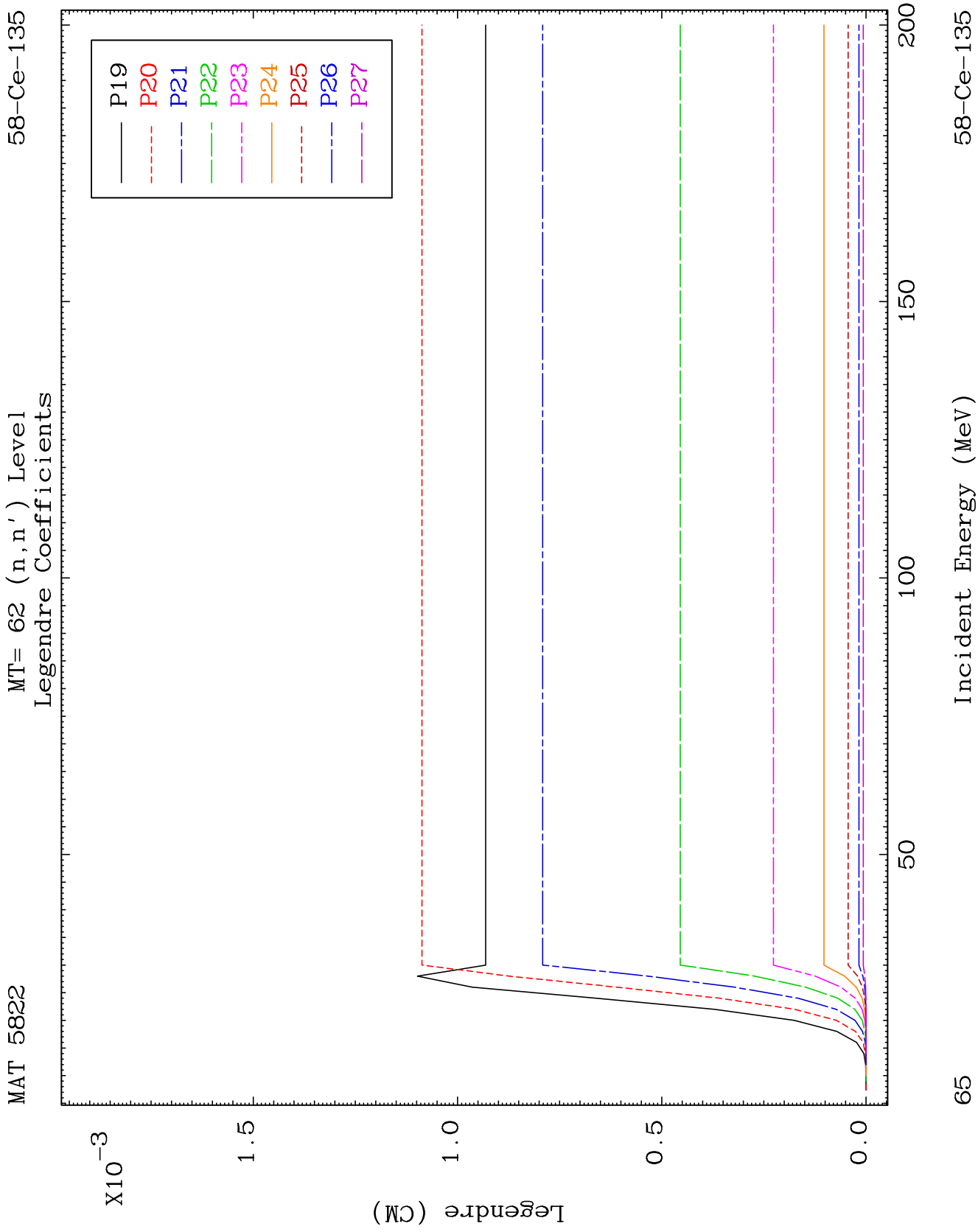


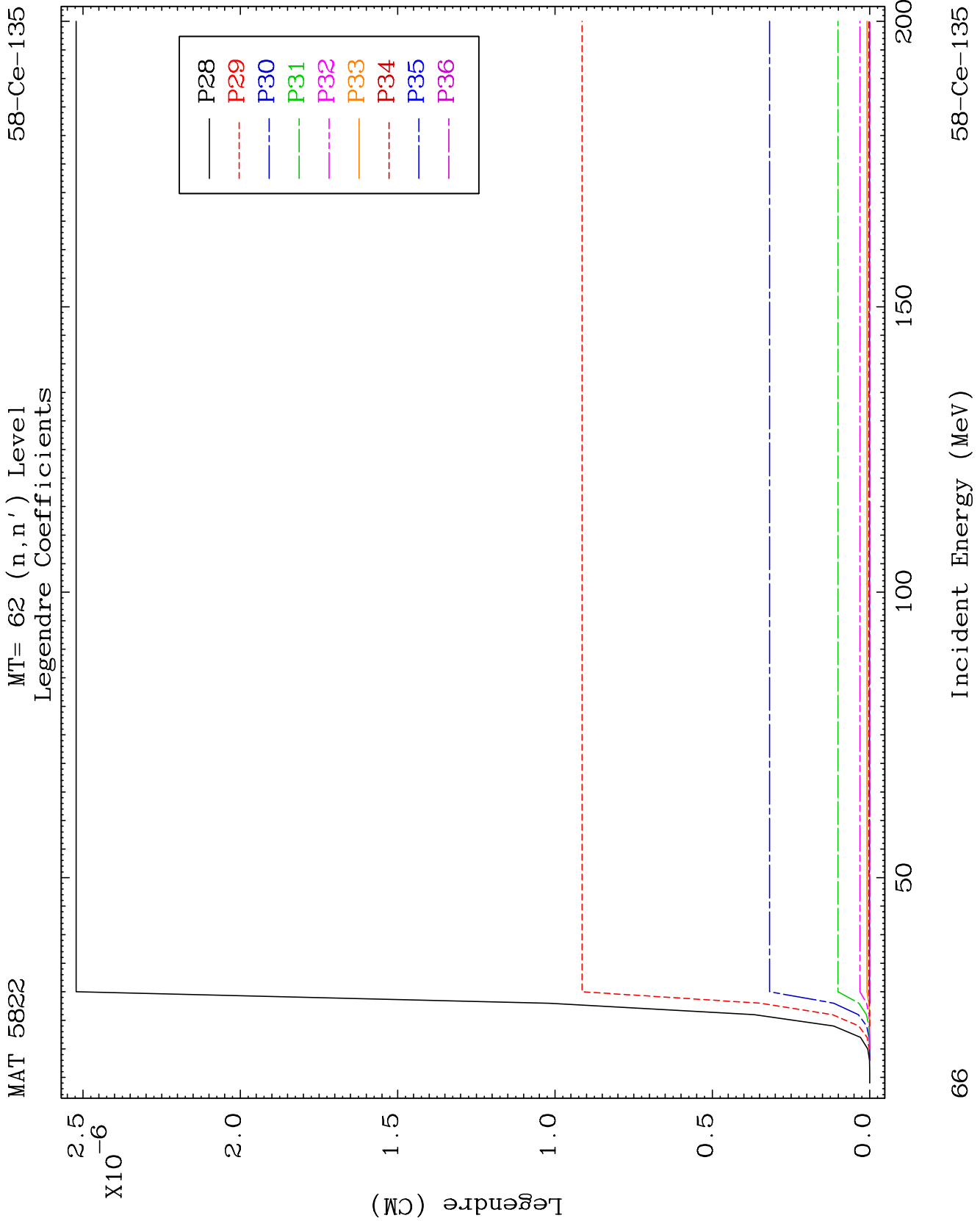
MAT 5822

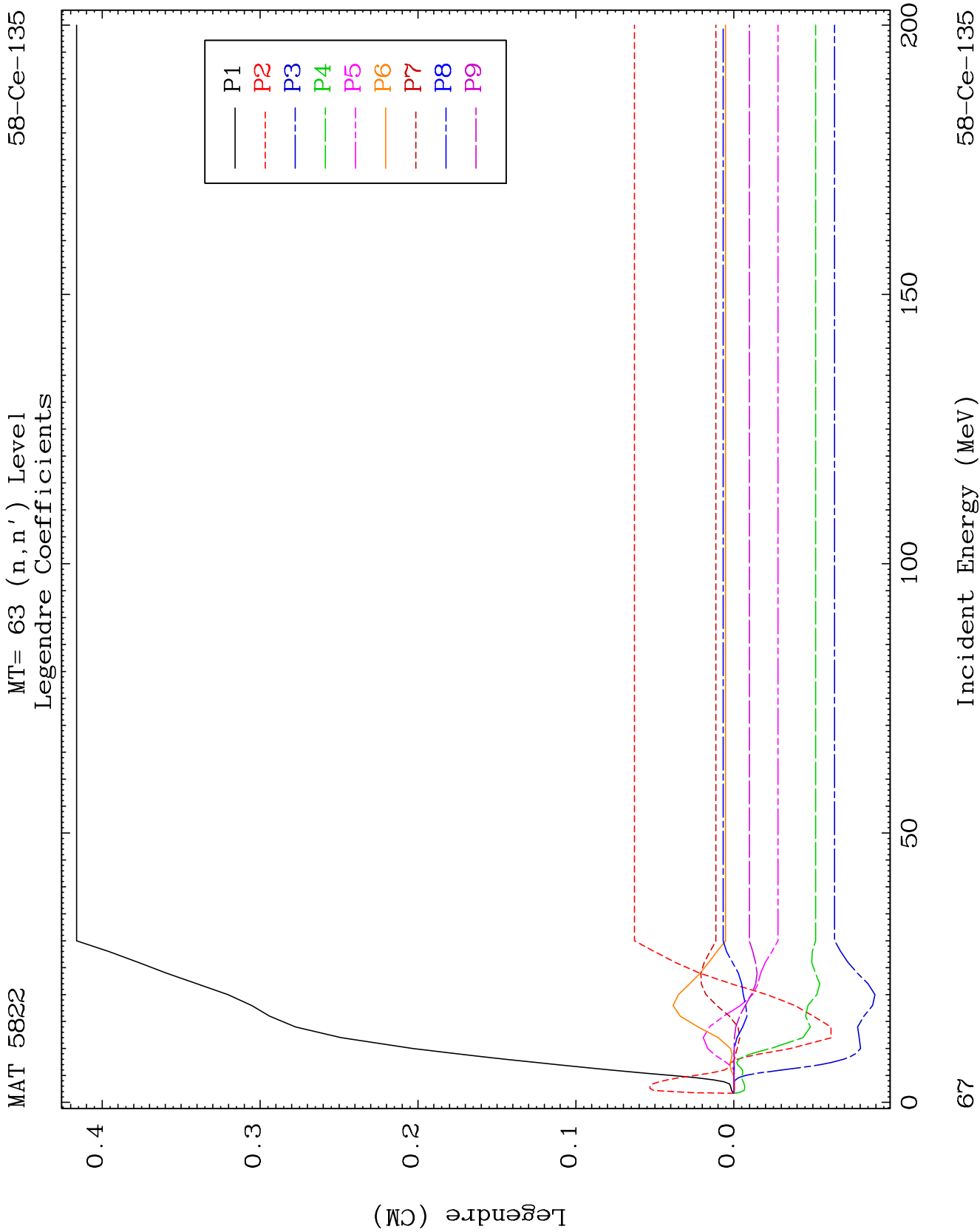
MT= 62 (n, n') Level
Legendre Coefficients

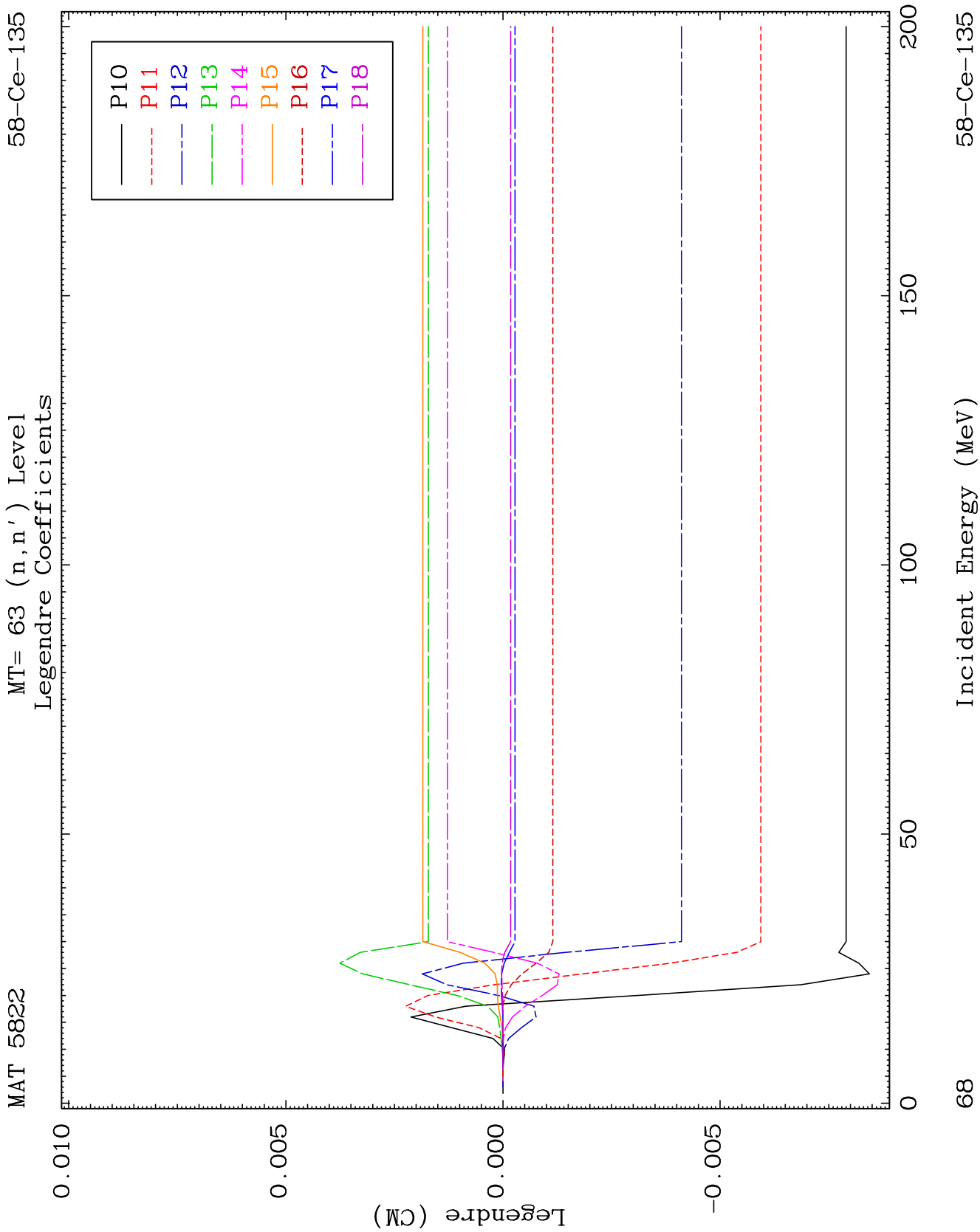
58-Ce-135

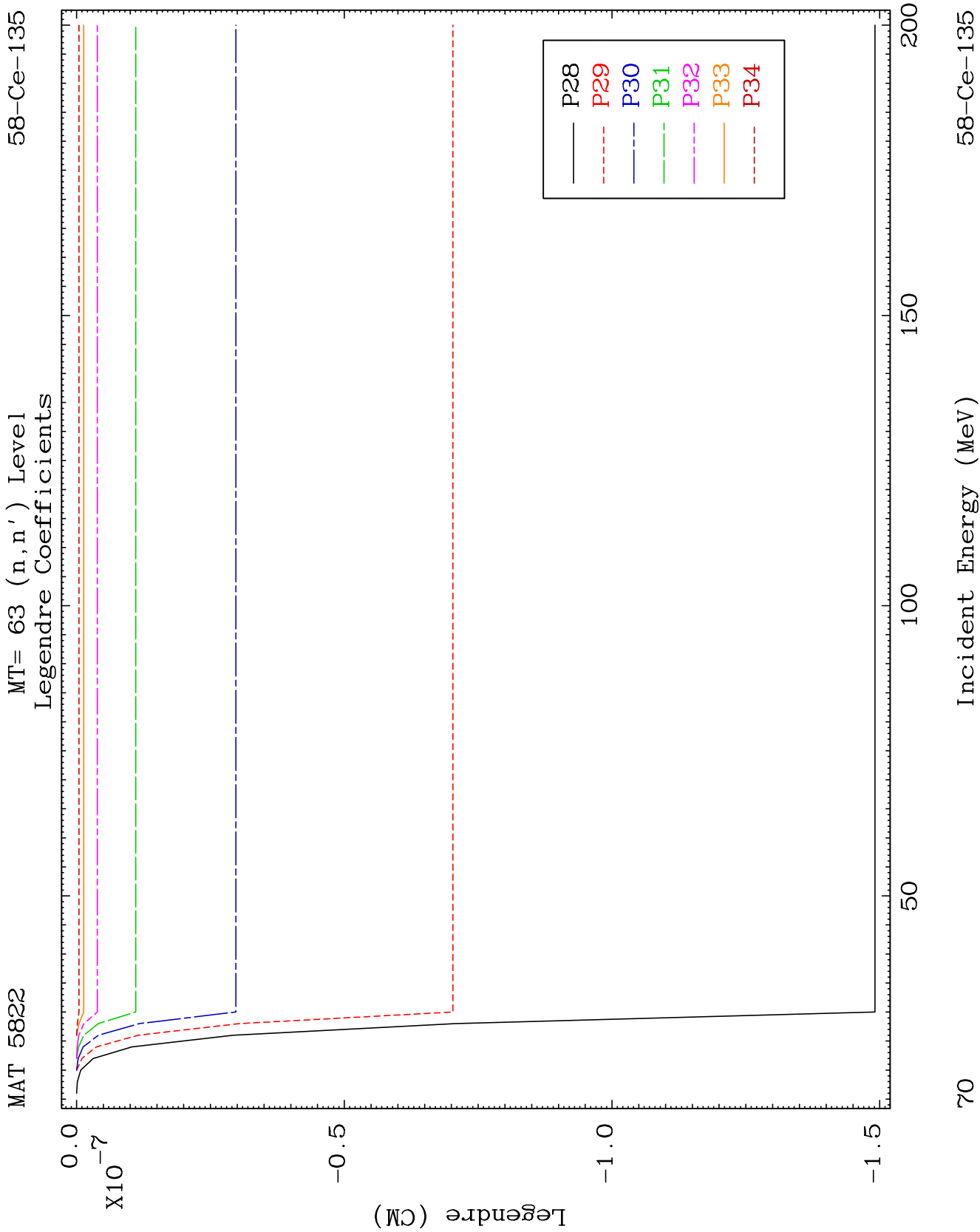








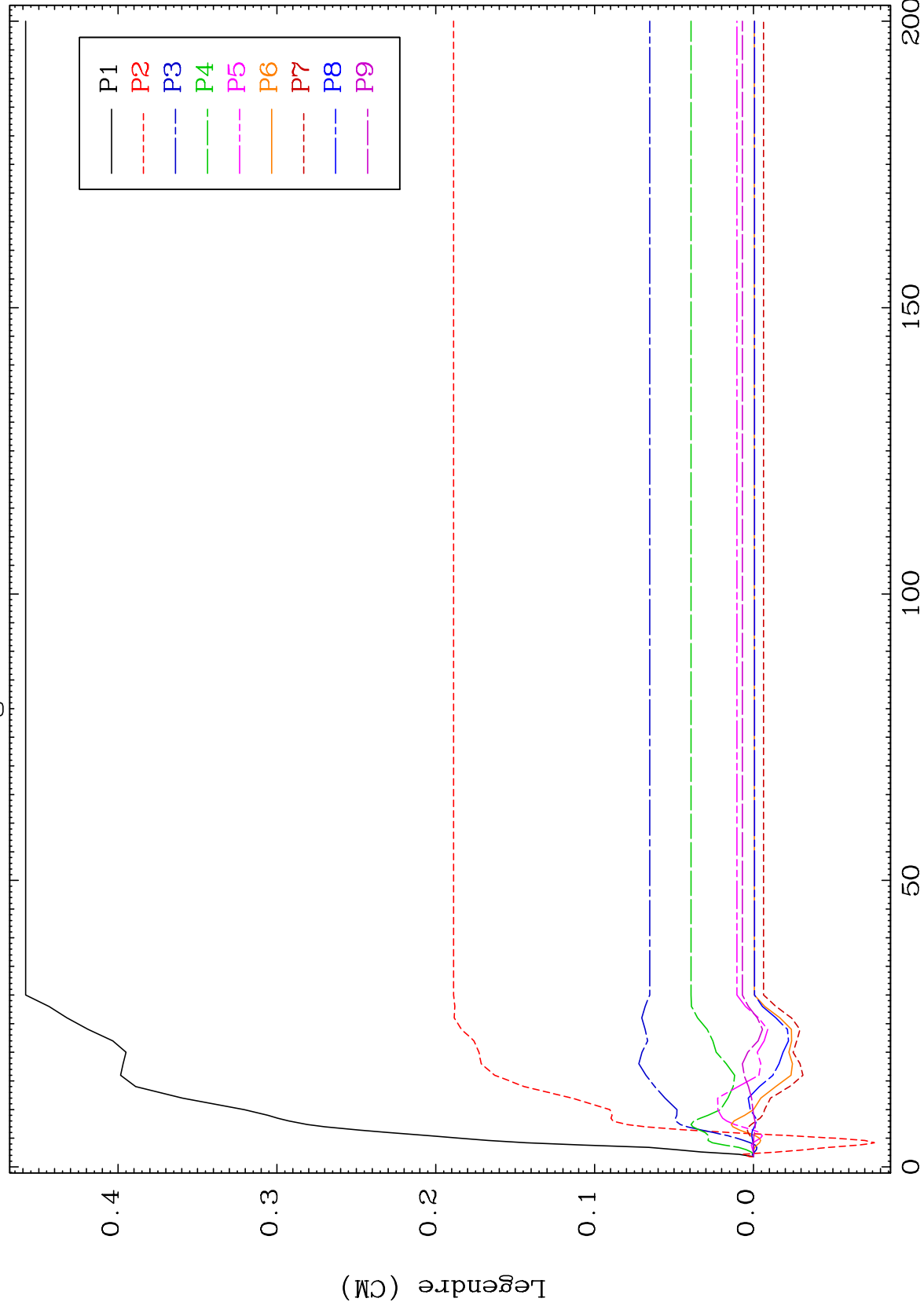




MAT 5822

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

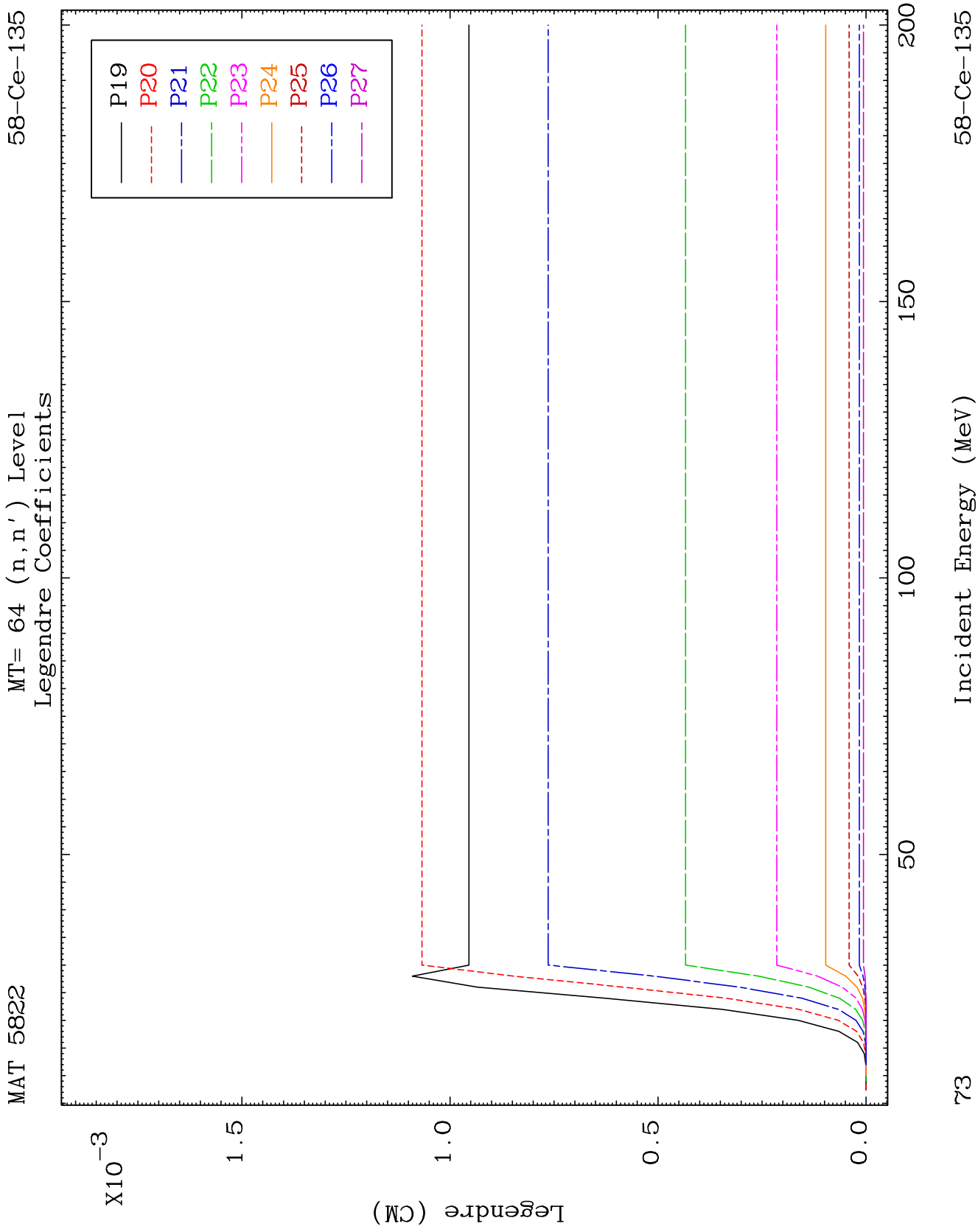
58-Ce-135

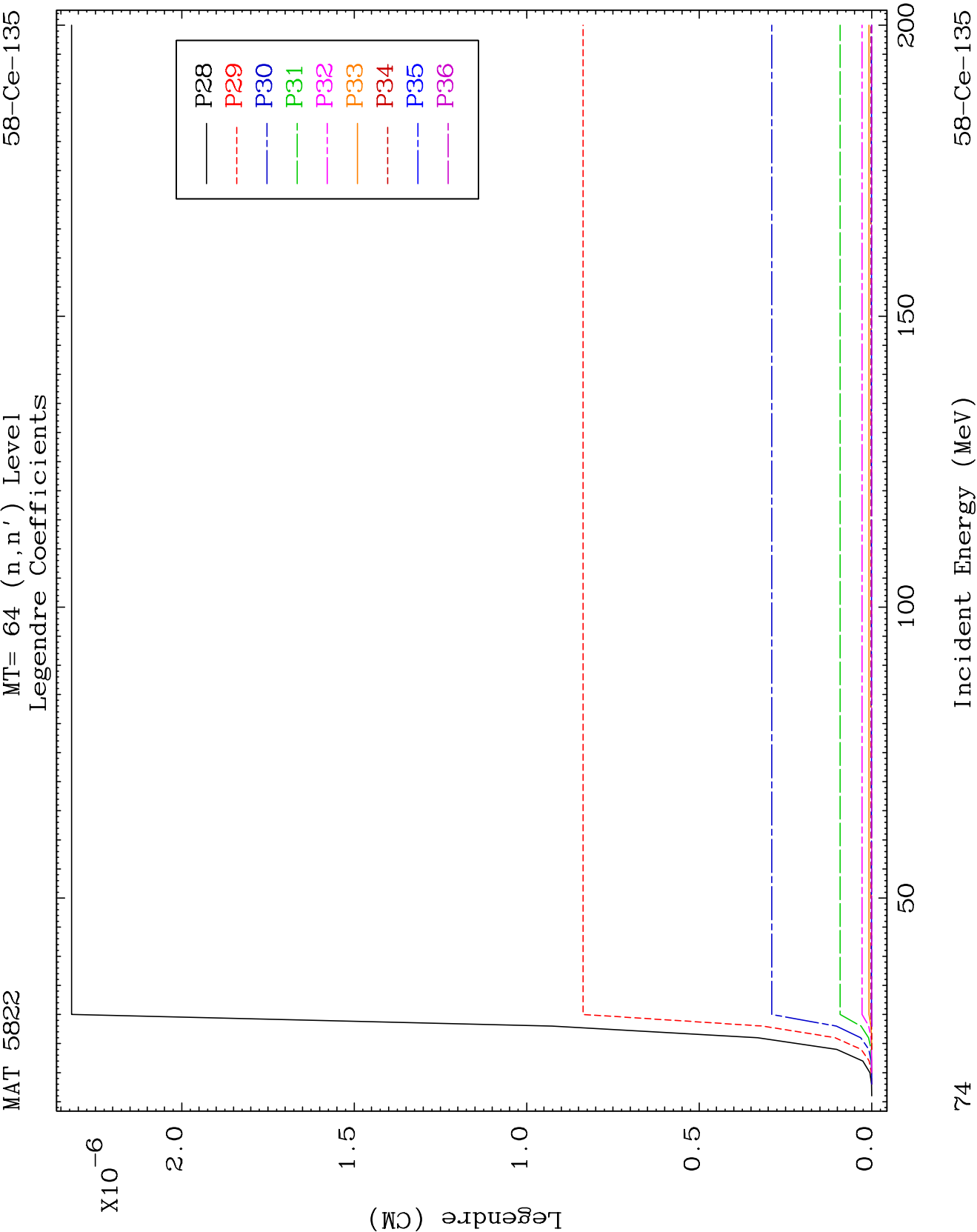


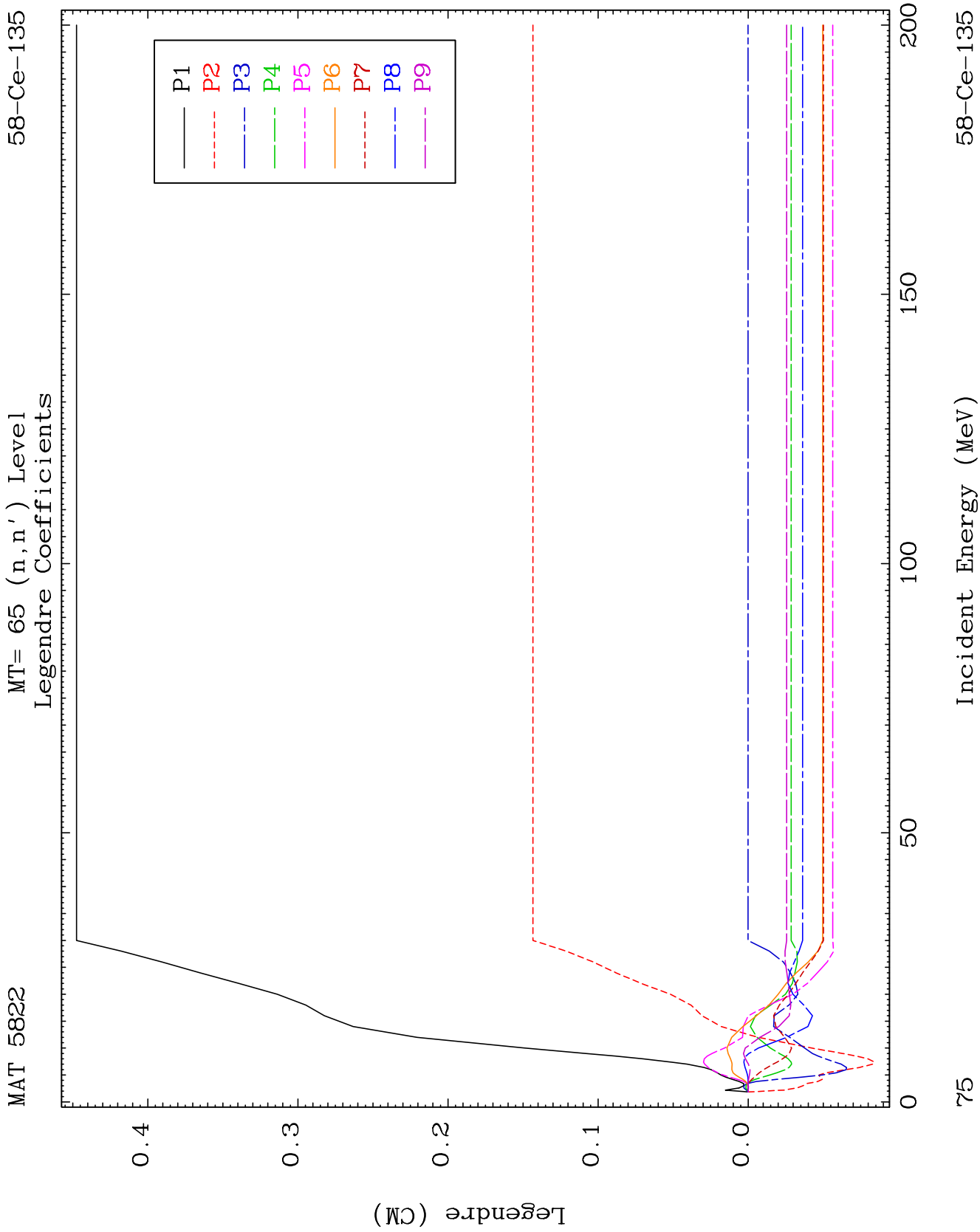
12

Incident Energy (MeV)

58-Ce-135



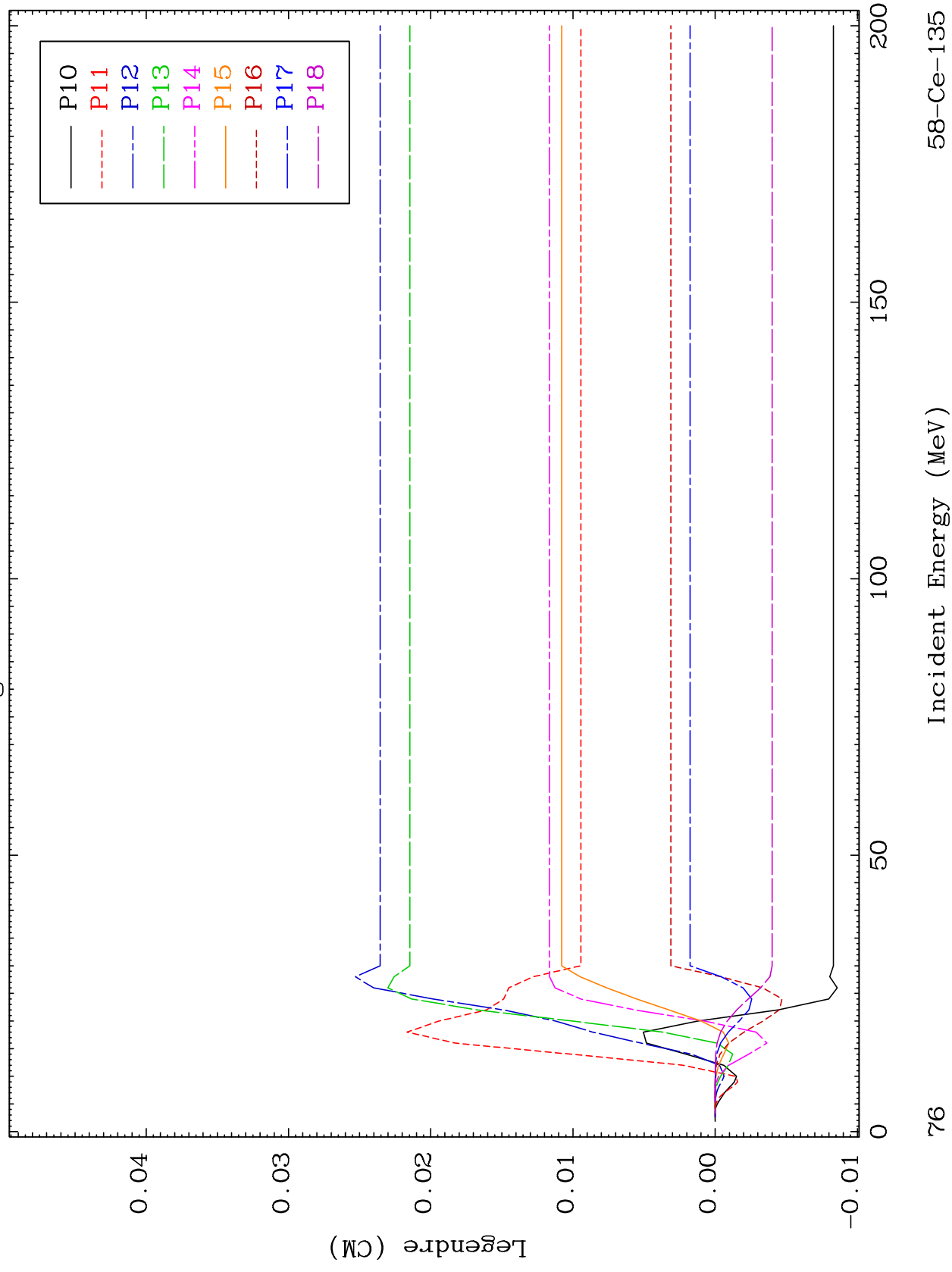


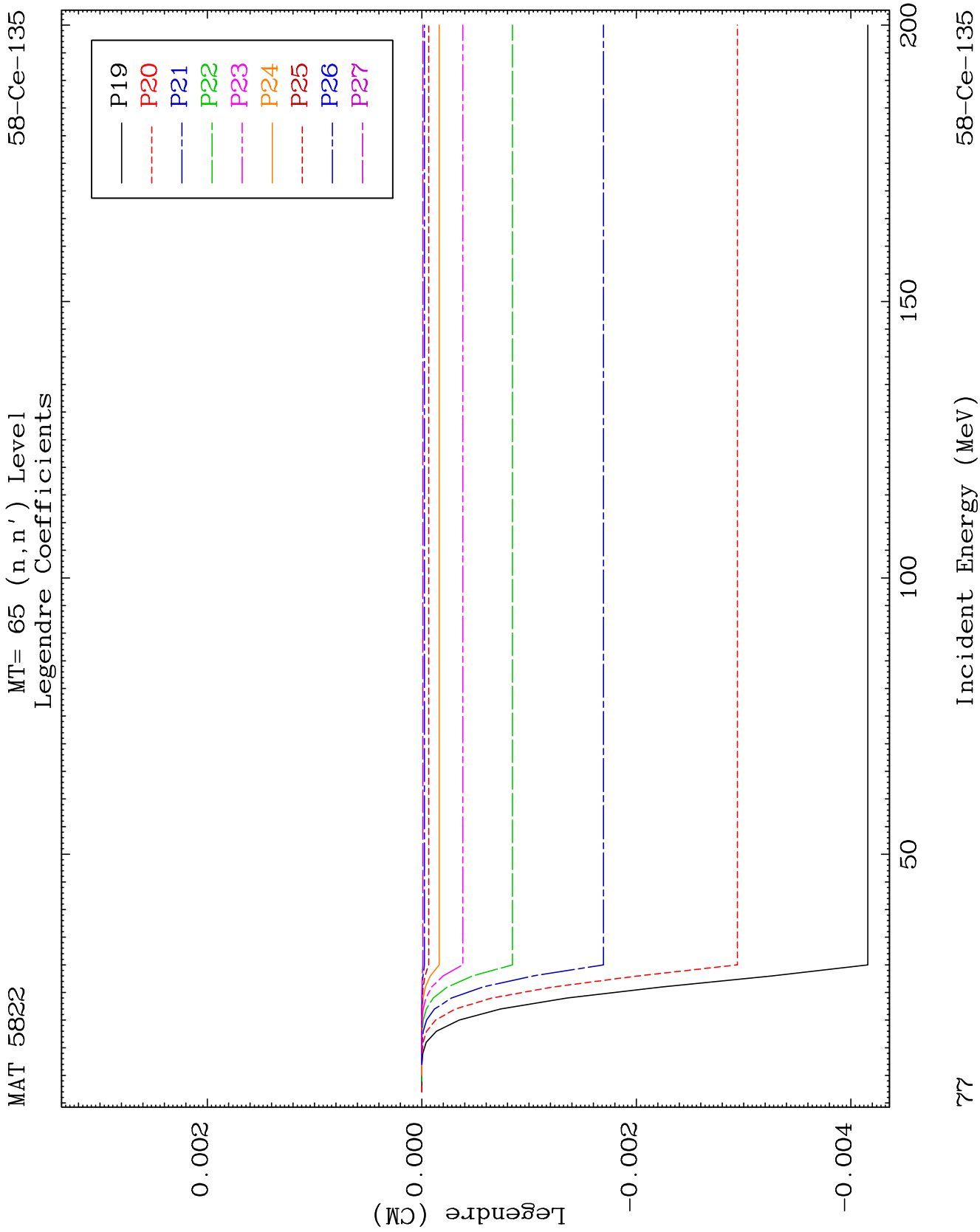


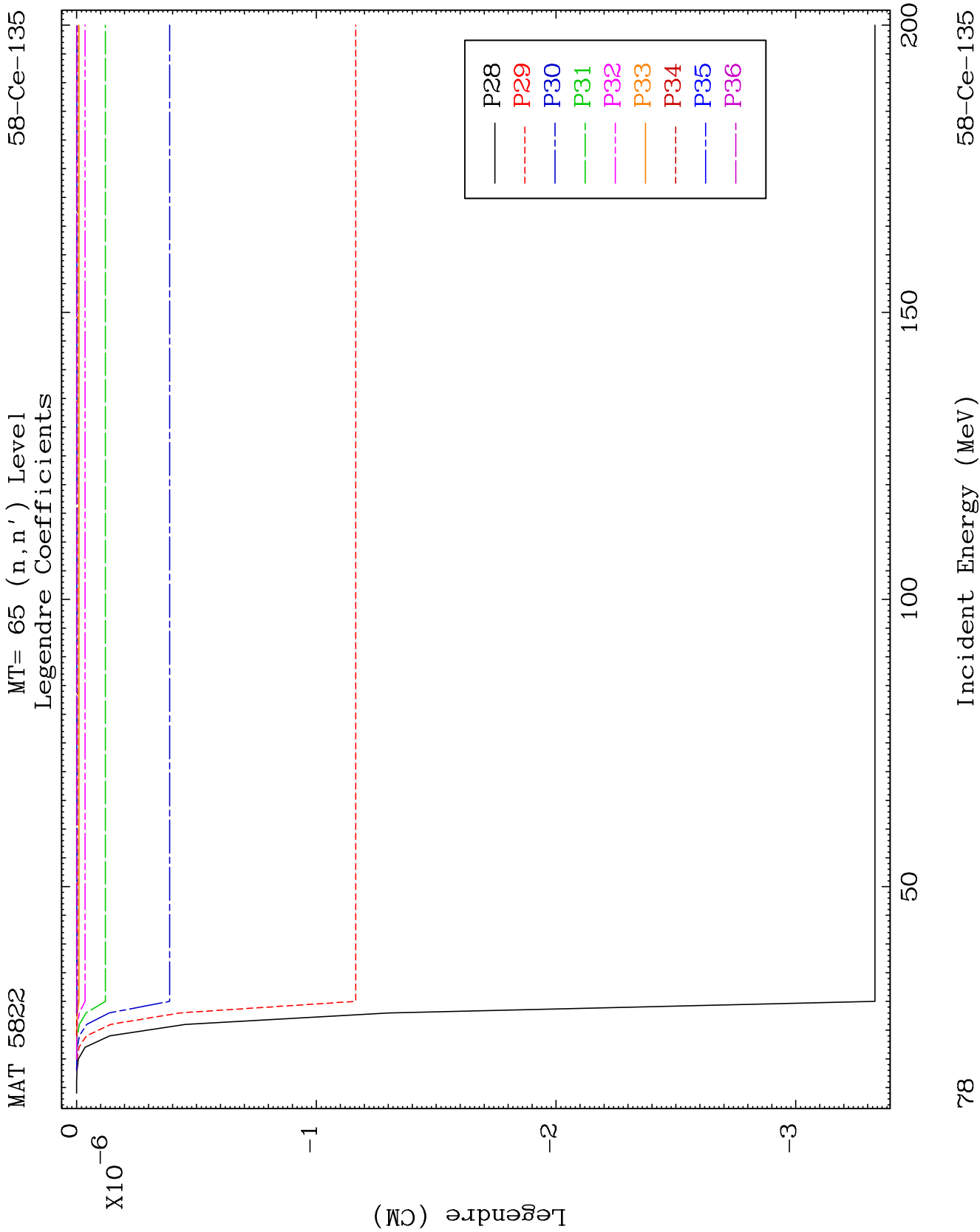
MAT 5822

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

58-Ce-135



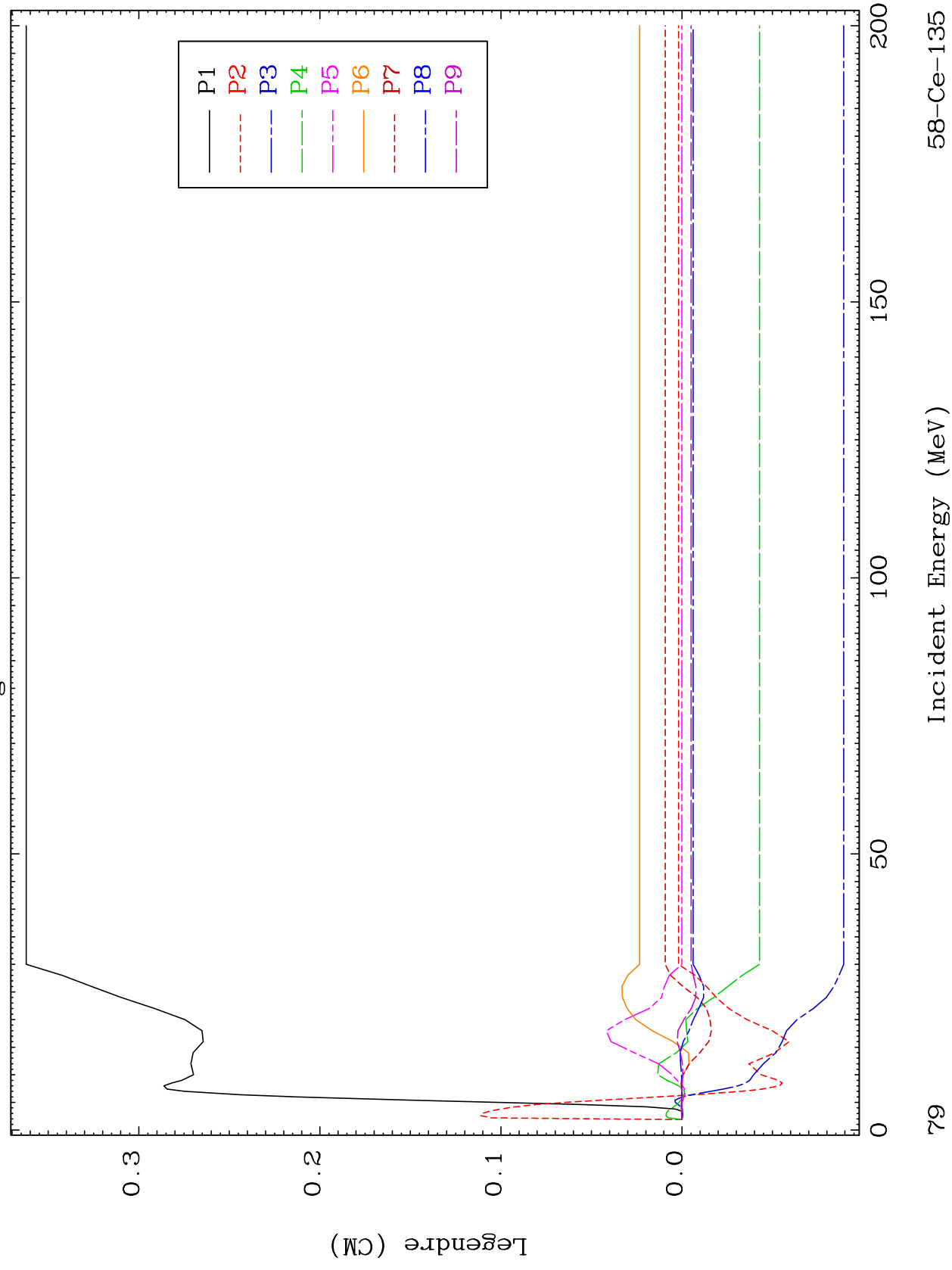


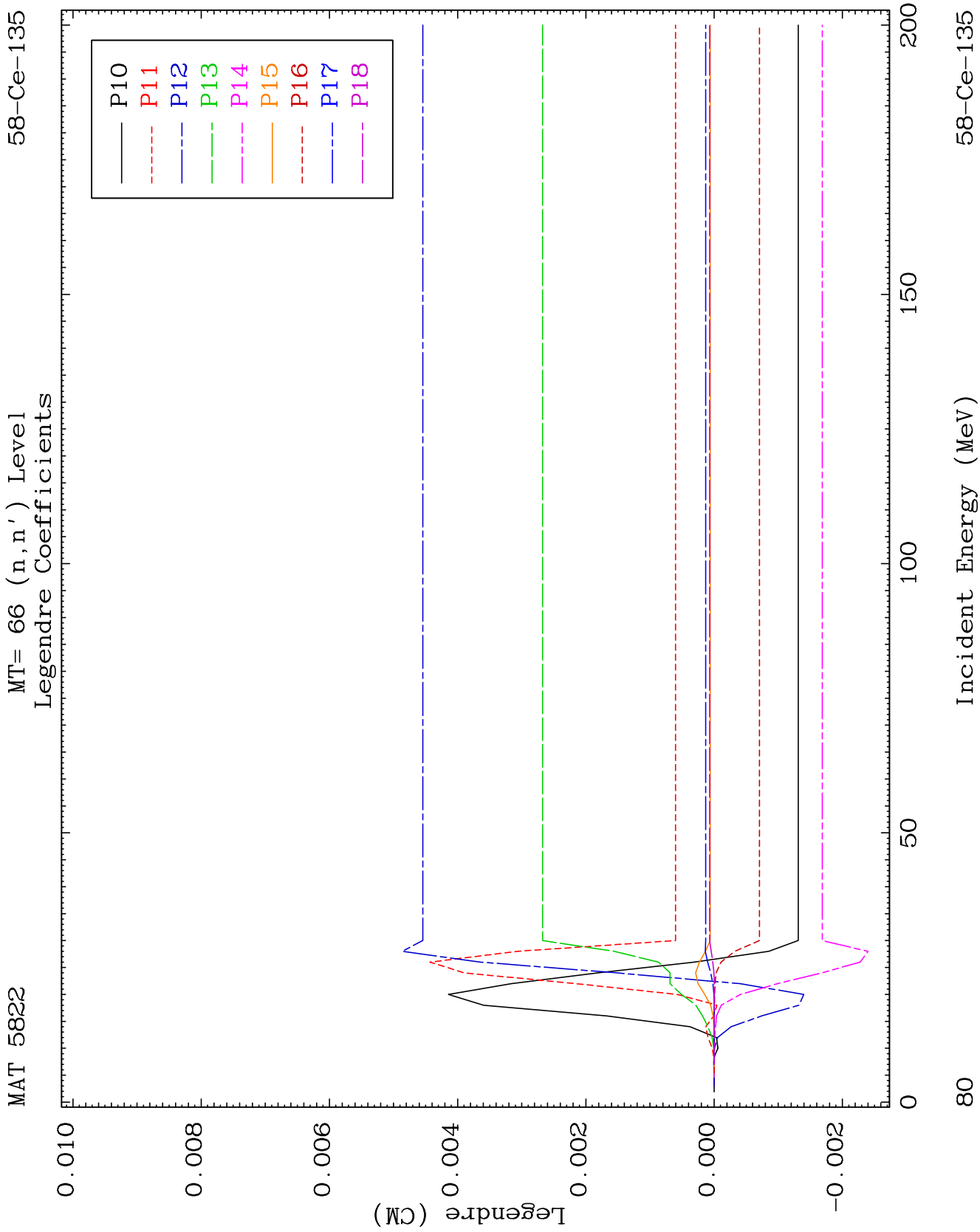


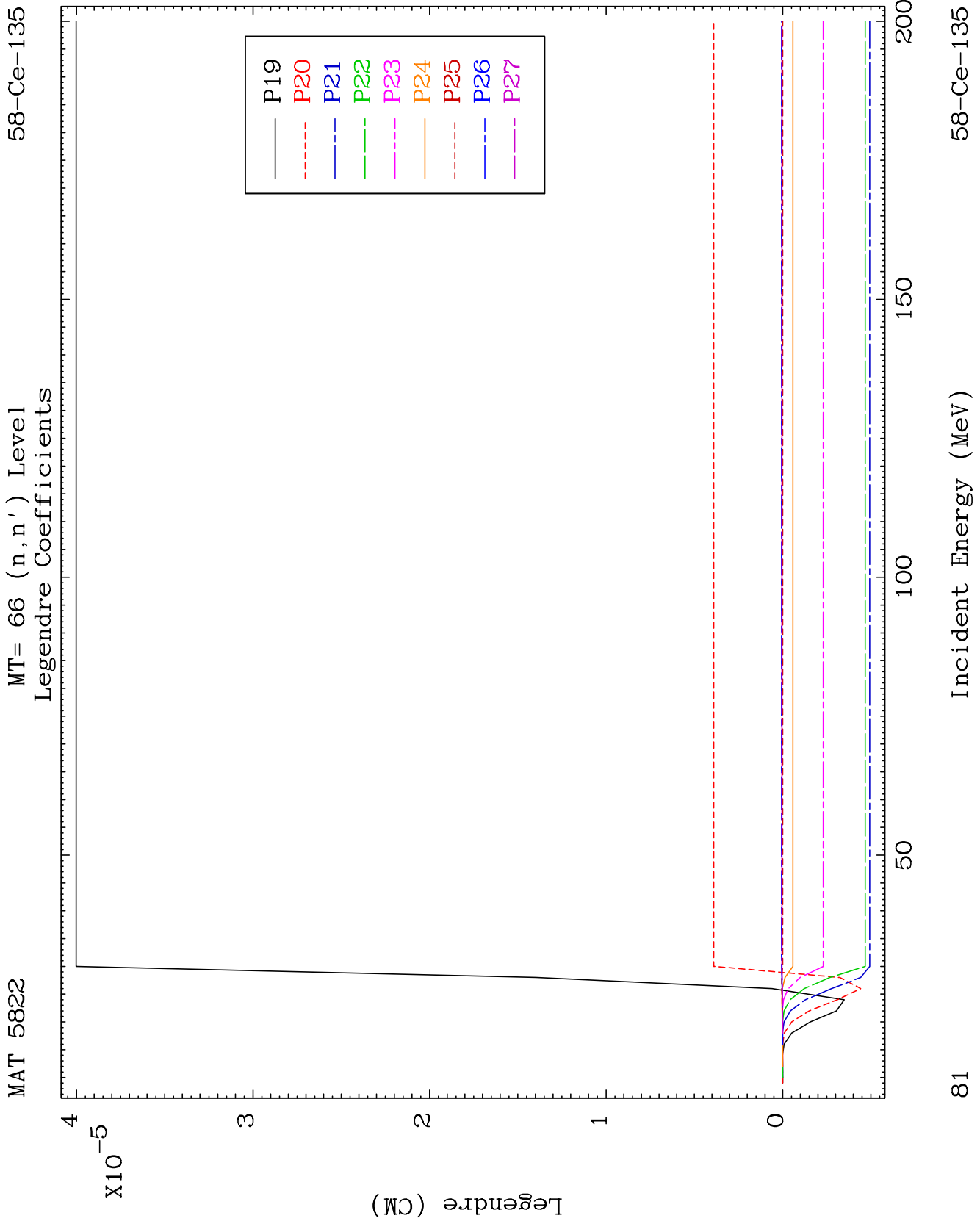
MAT 5822

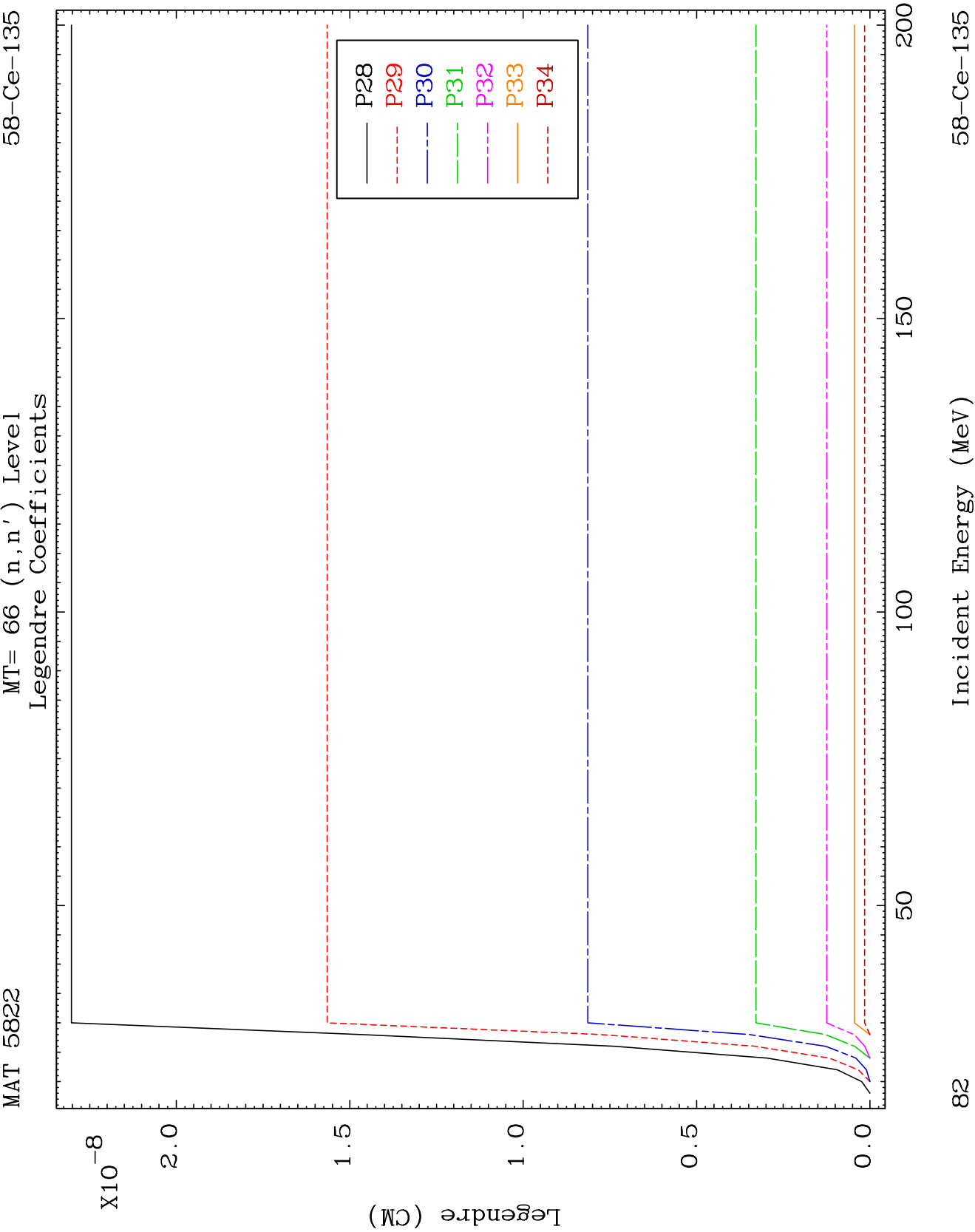
MT= 66 (n, n') Level
Legendre Coefficients

58-Ce-135





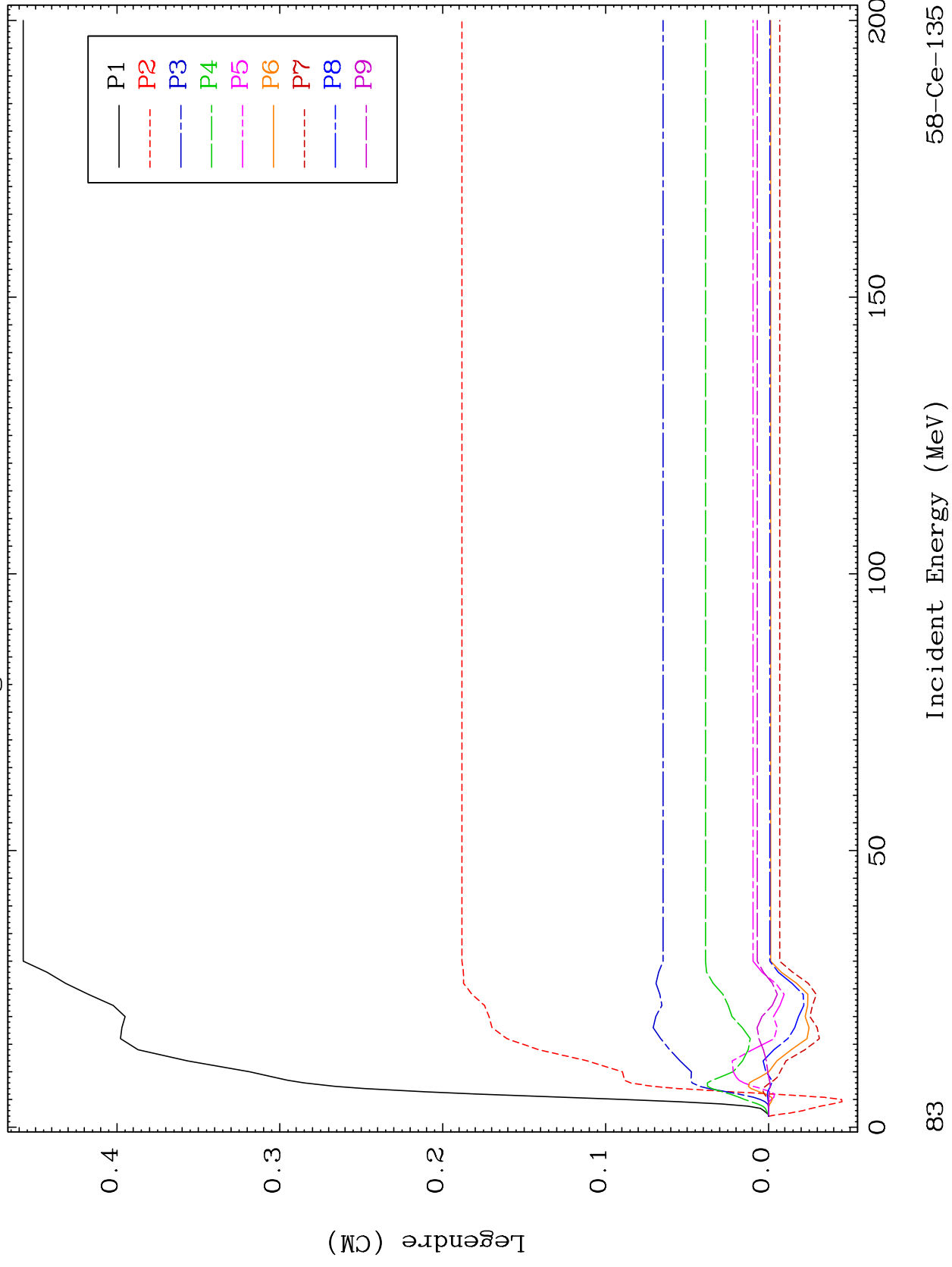


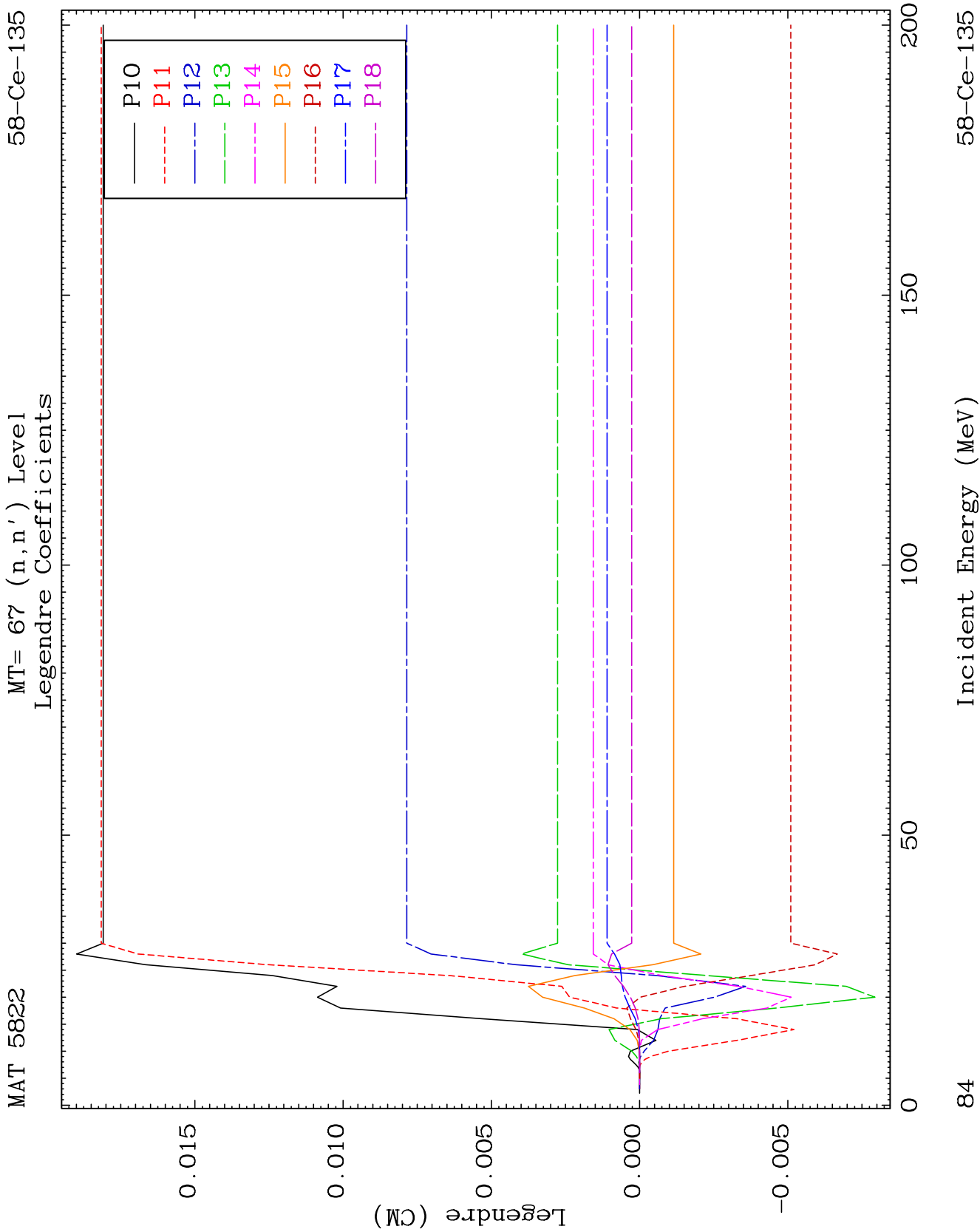


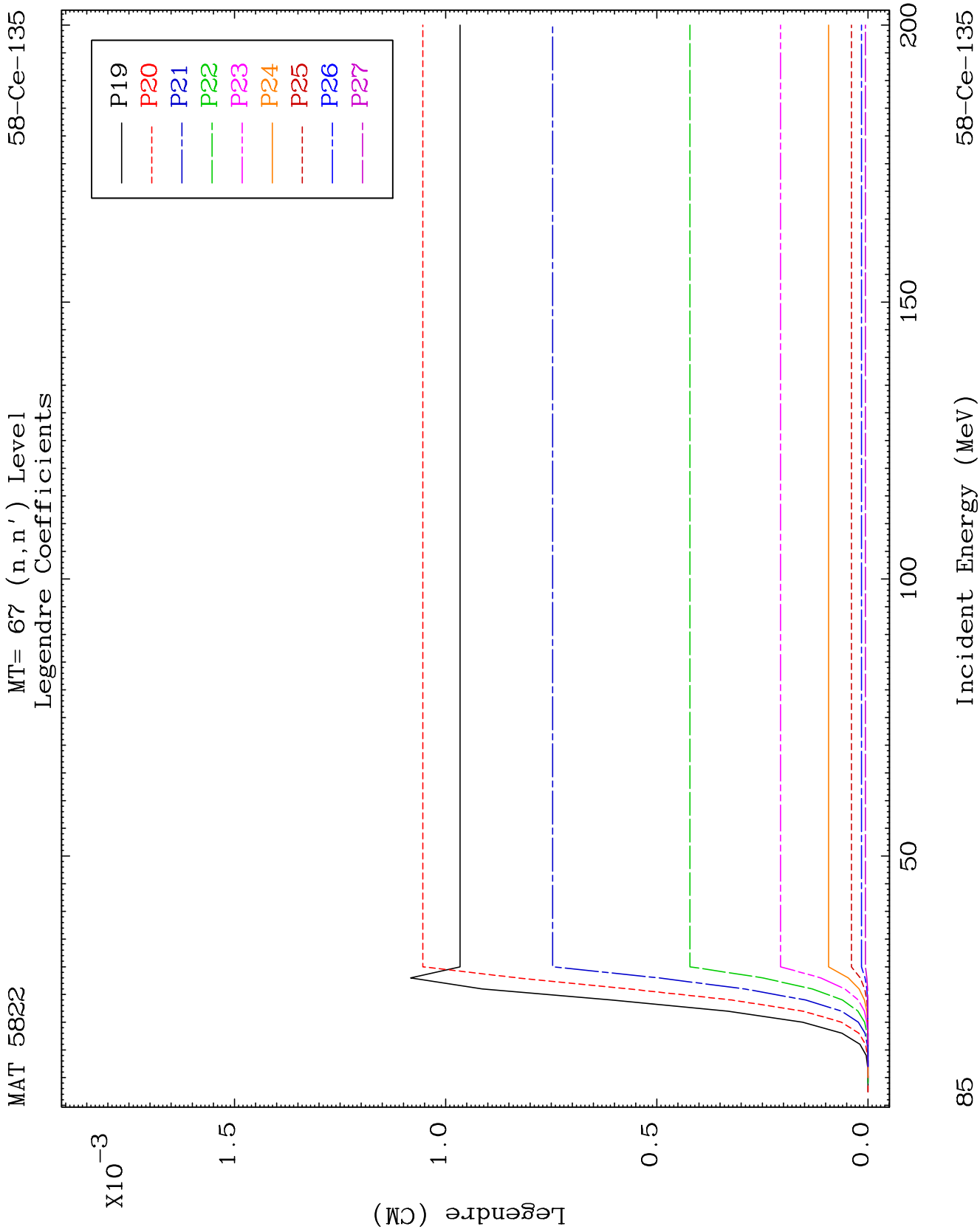
MAT 5822

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

58-Ce-135



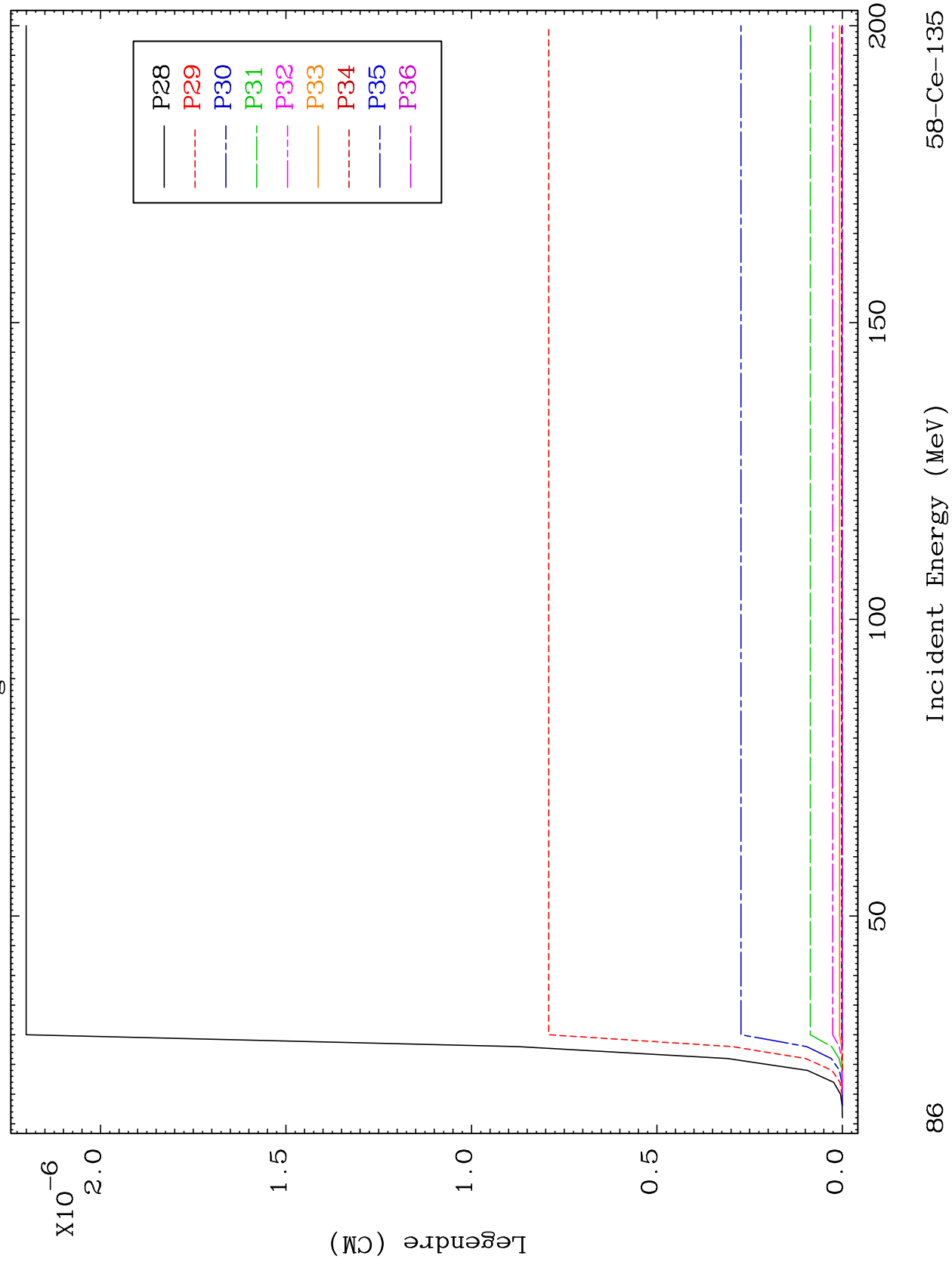


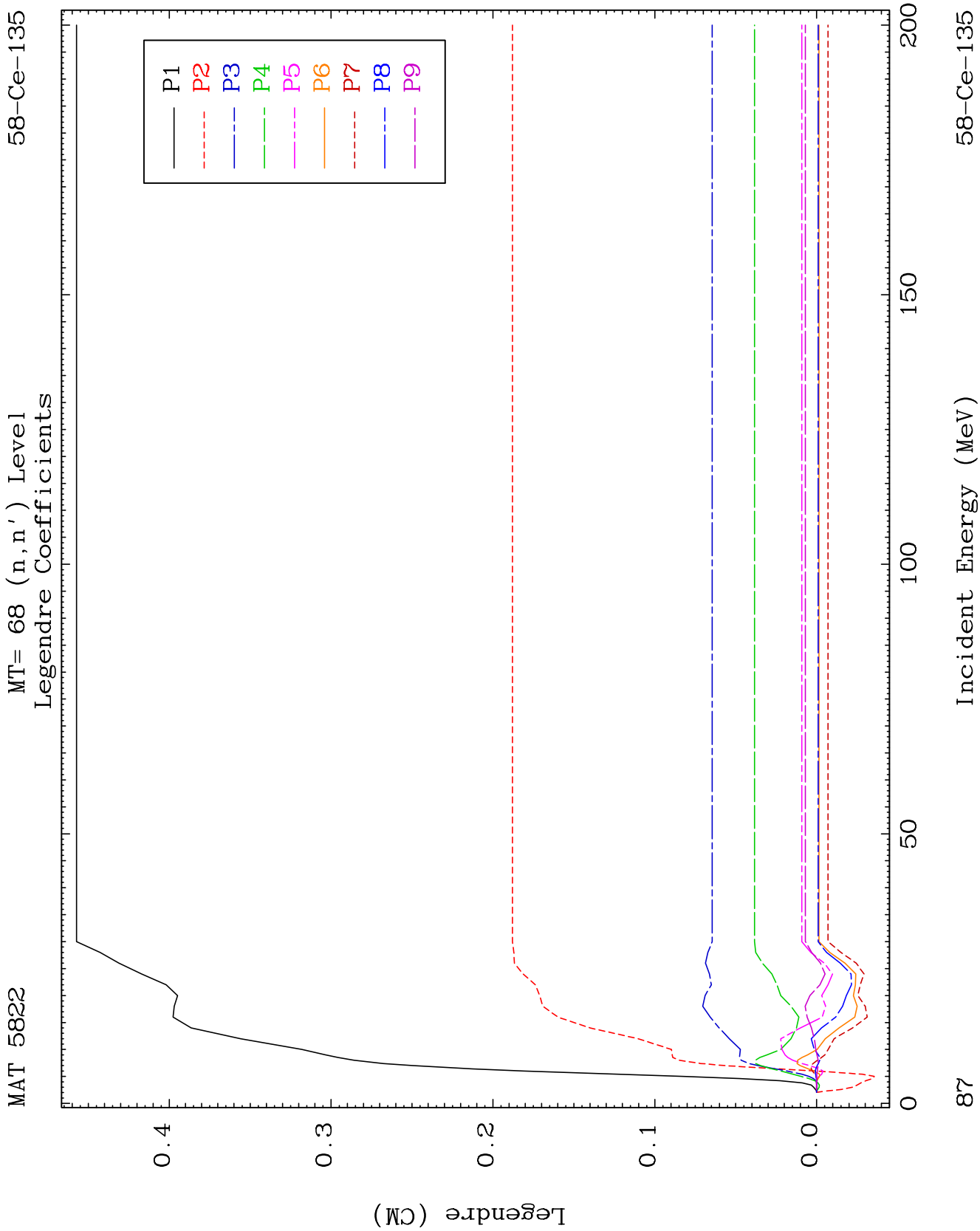


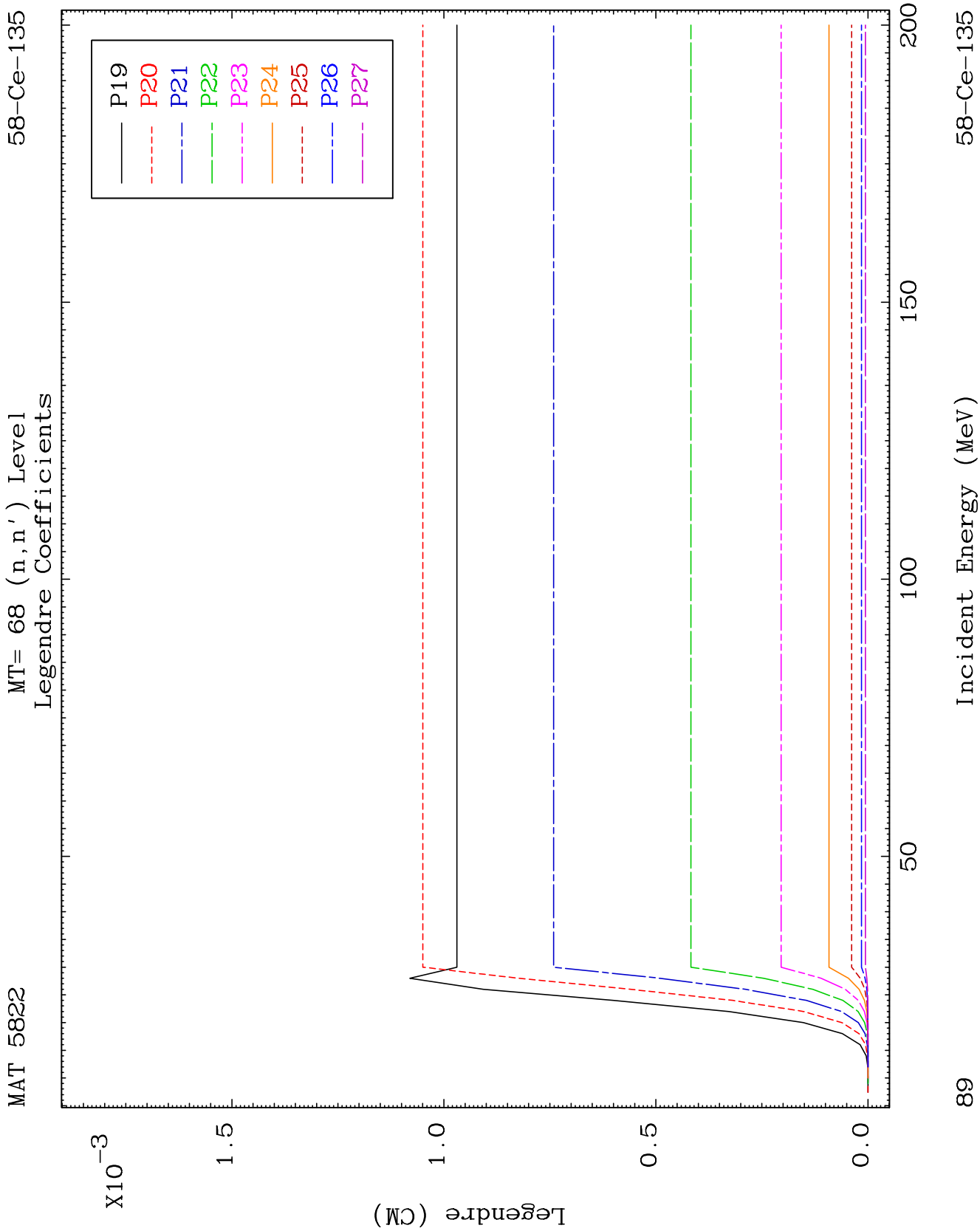
MAT 5822

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

58-Ce-135



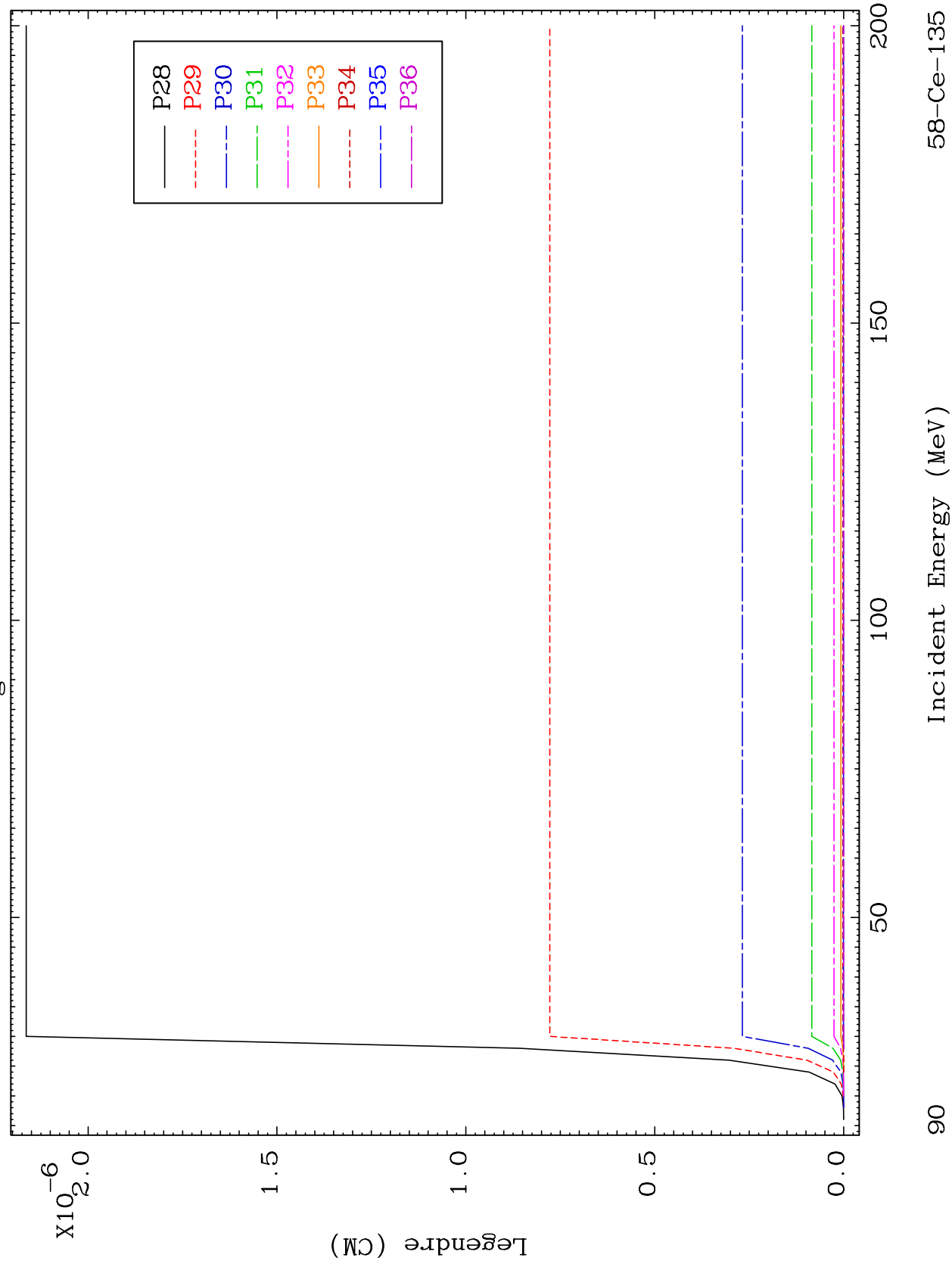




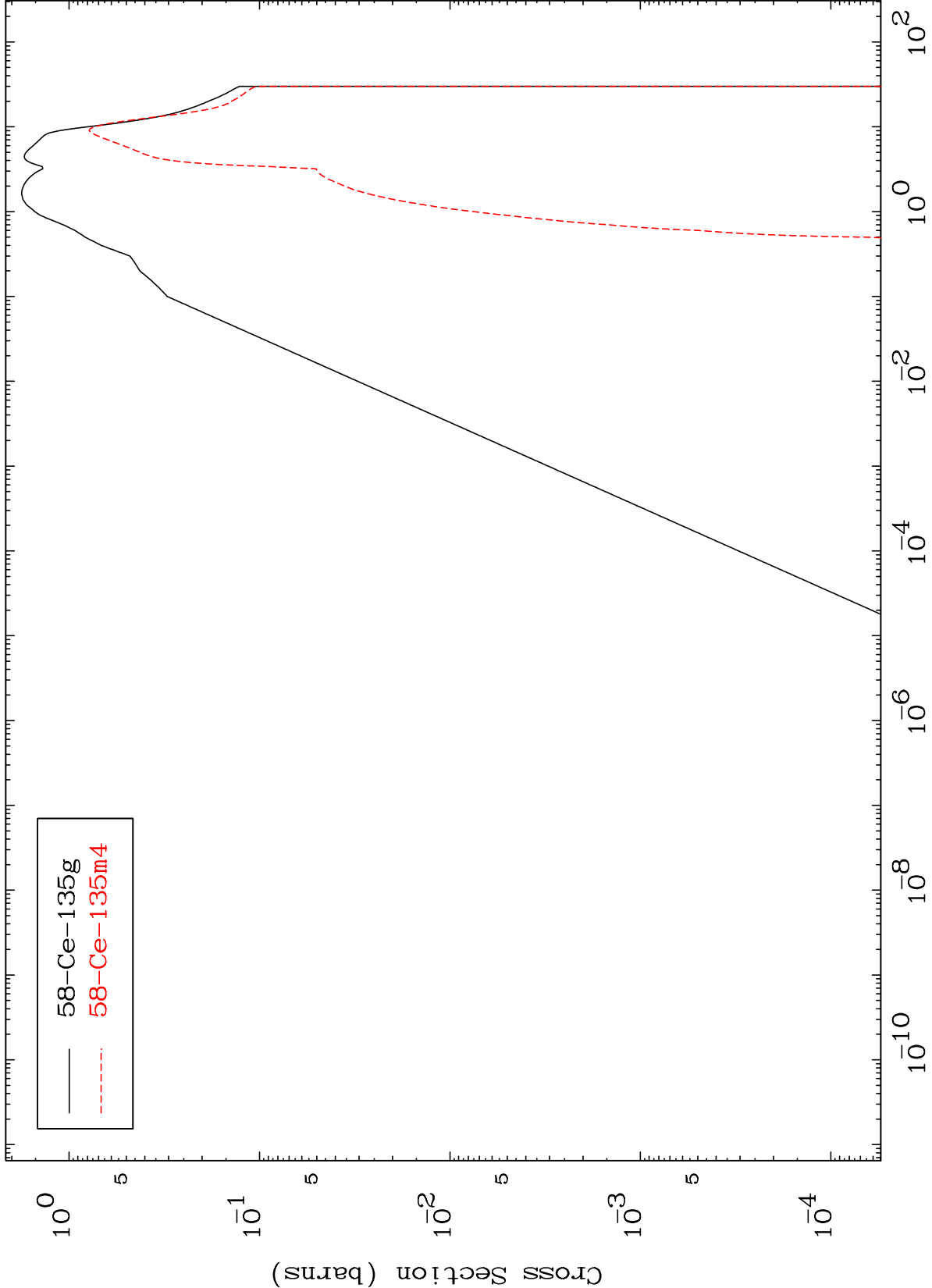
MAT 5822

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

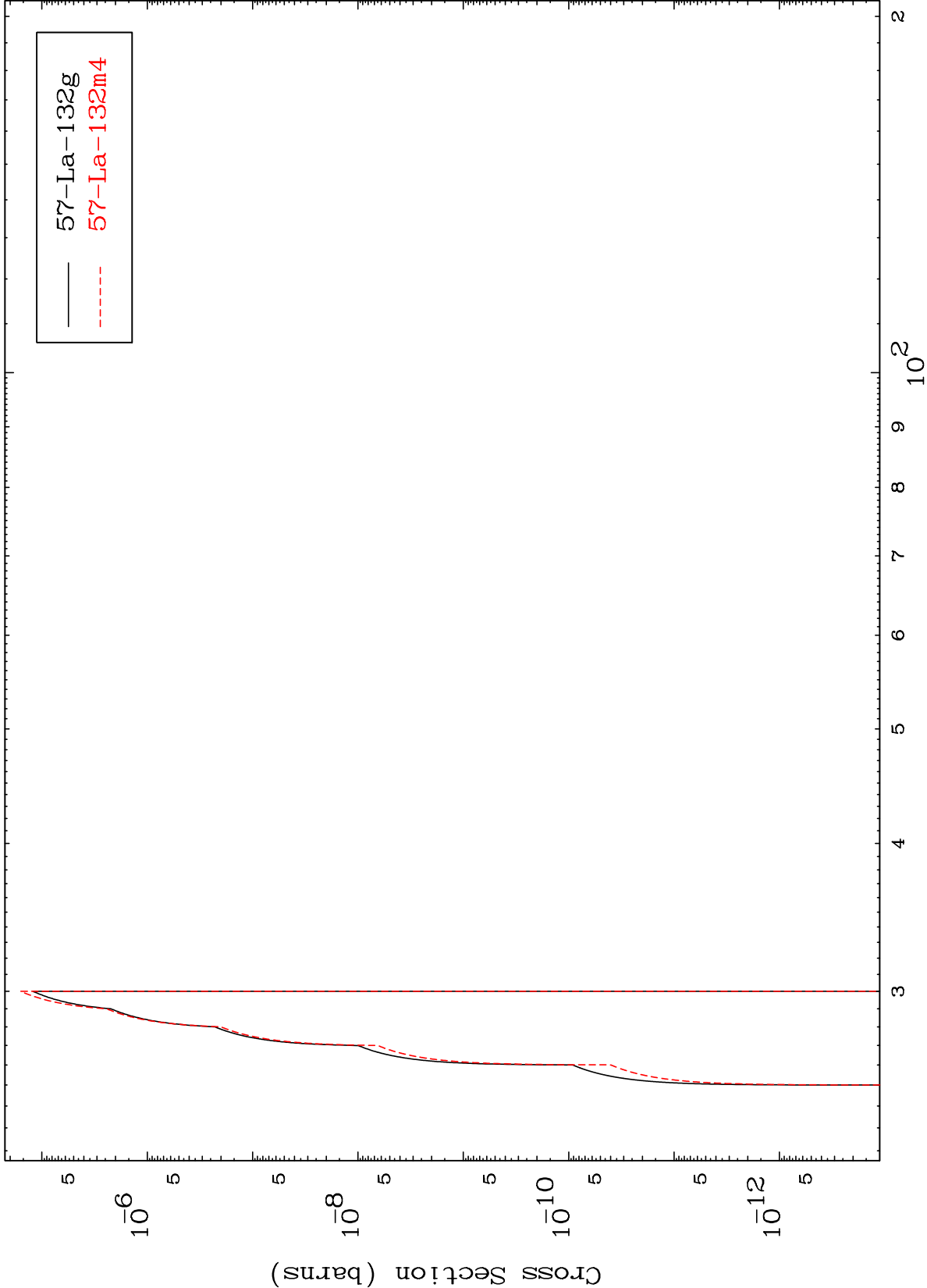
58-Ce-135



Inelastic
Radionuclide Production Cross Section



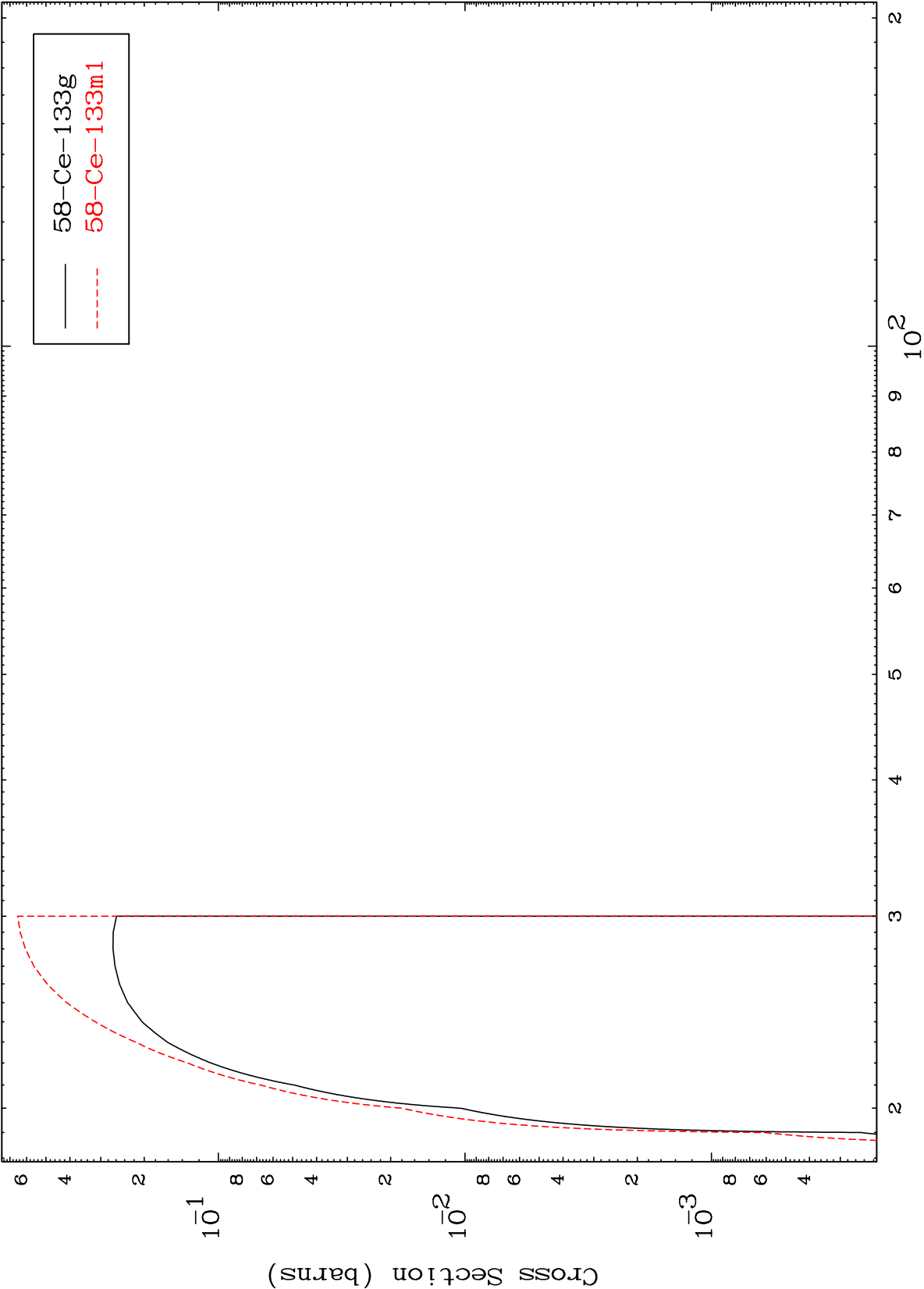
$(n,2n)$ d
Radionuclide Production Cross Section



MAT 5822

58-Ce-135

(n,3n)
Radionuclide Production Cross Section



93

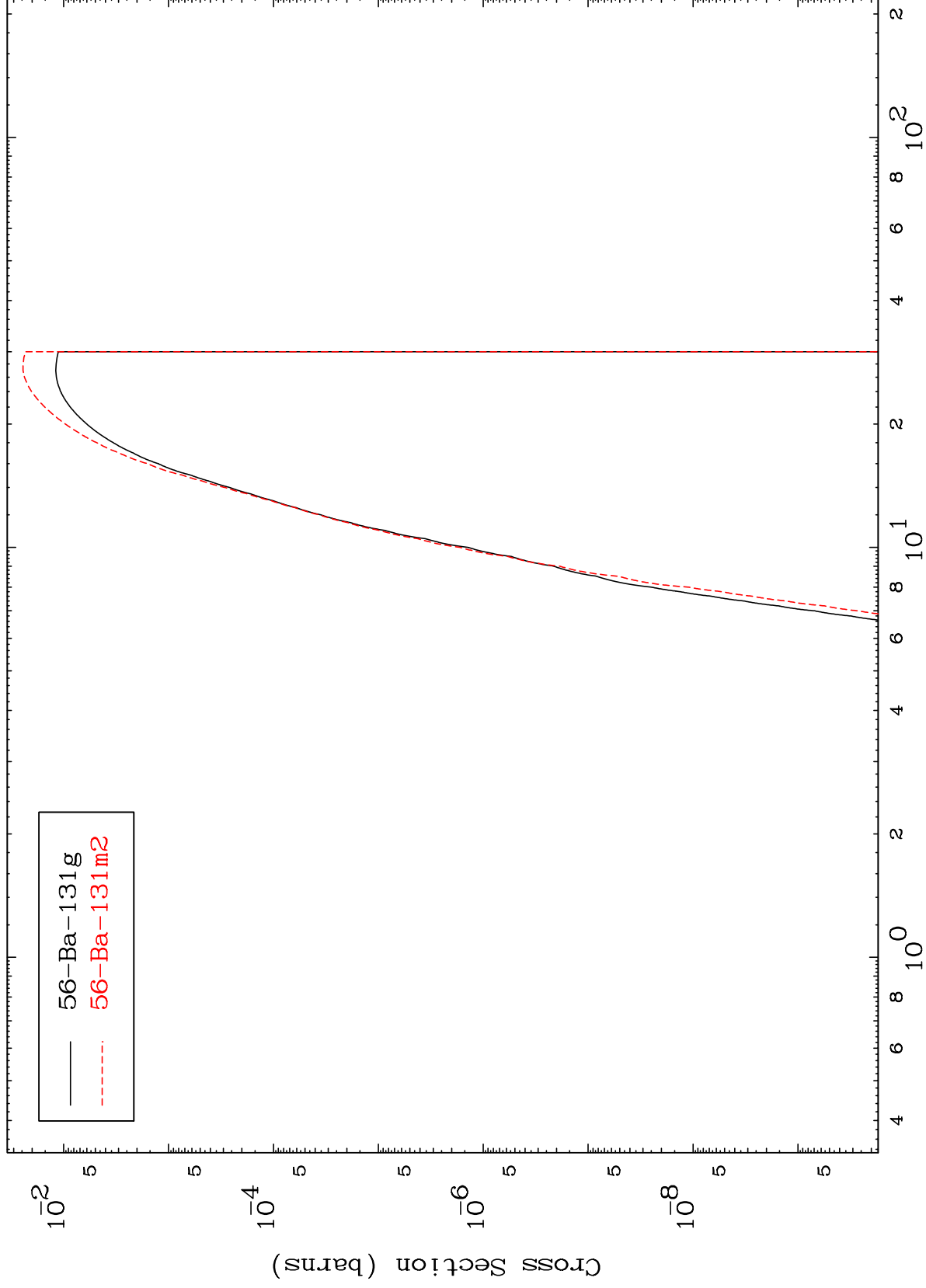
Incident Energy (MeV)

58-Ce-135

MAT 5822

58-Ce-135

Radionuclide Production Cross Section
(n,n') α



94

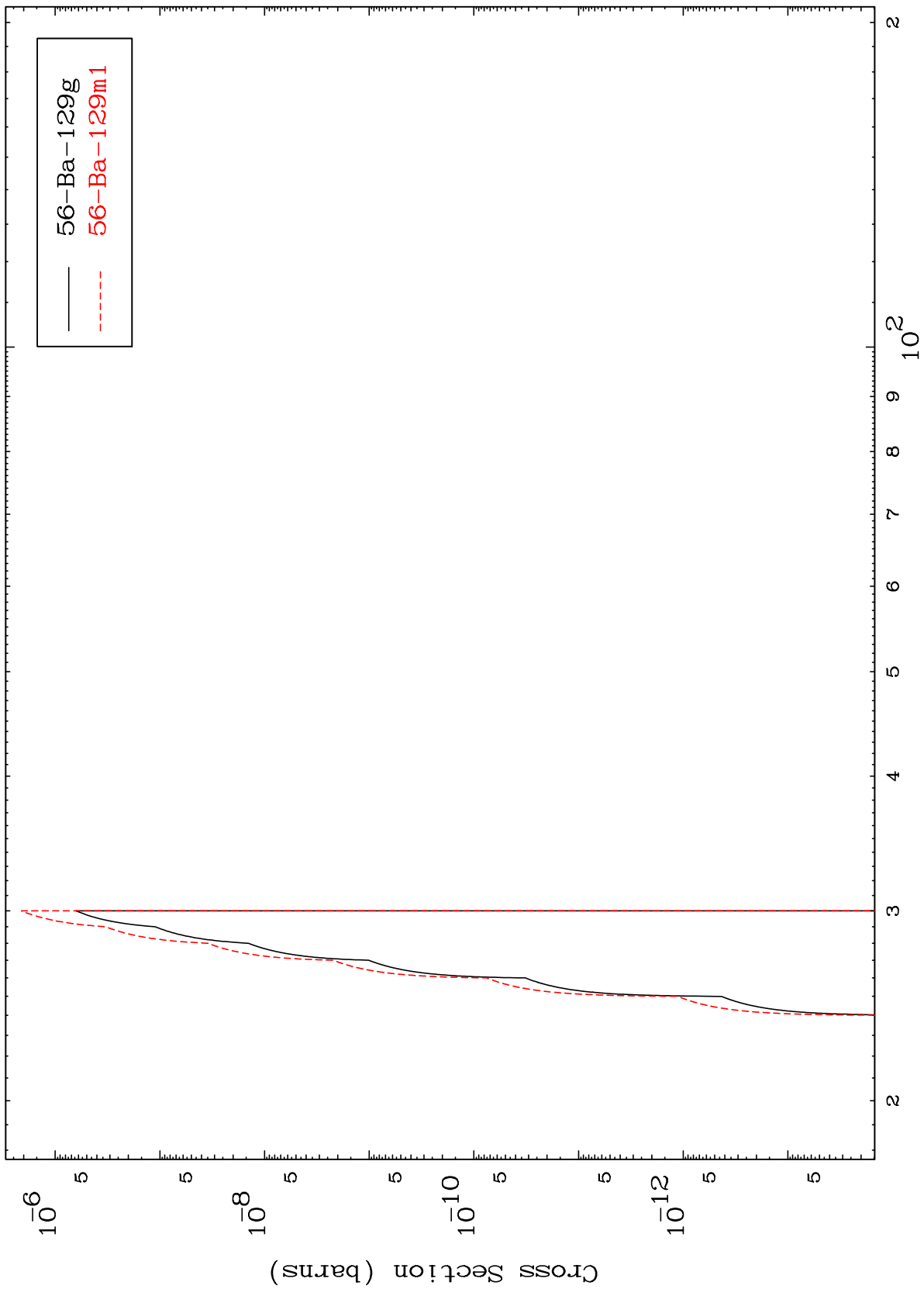
Incident Energy (MeV)

58-Ce-135

MAT 5822

58-Ce-135

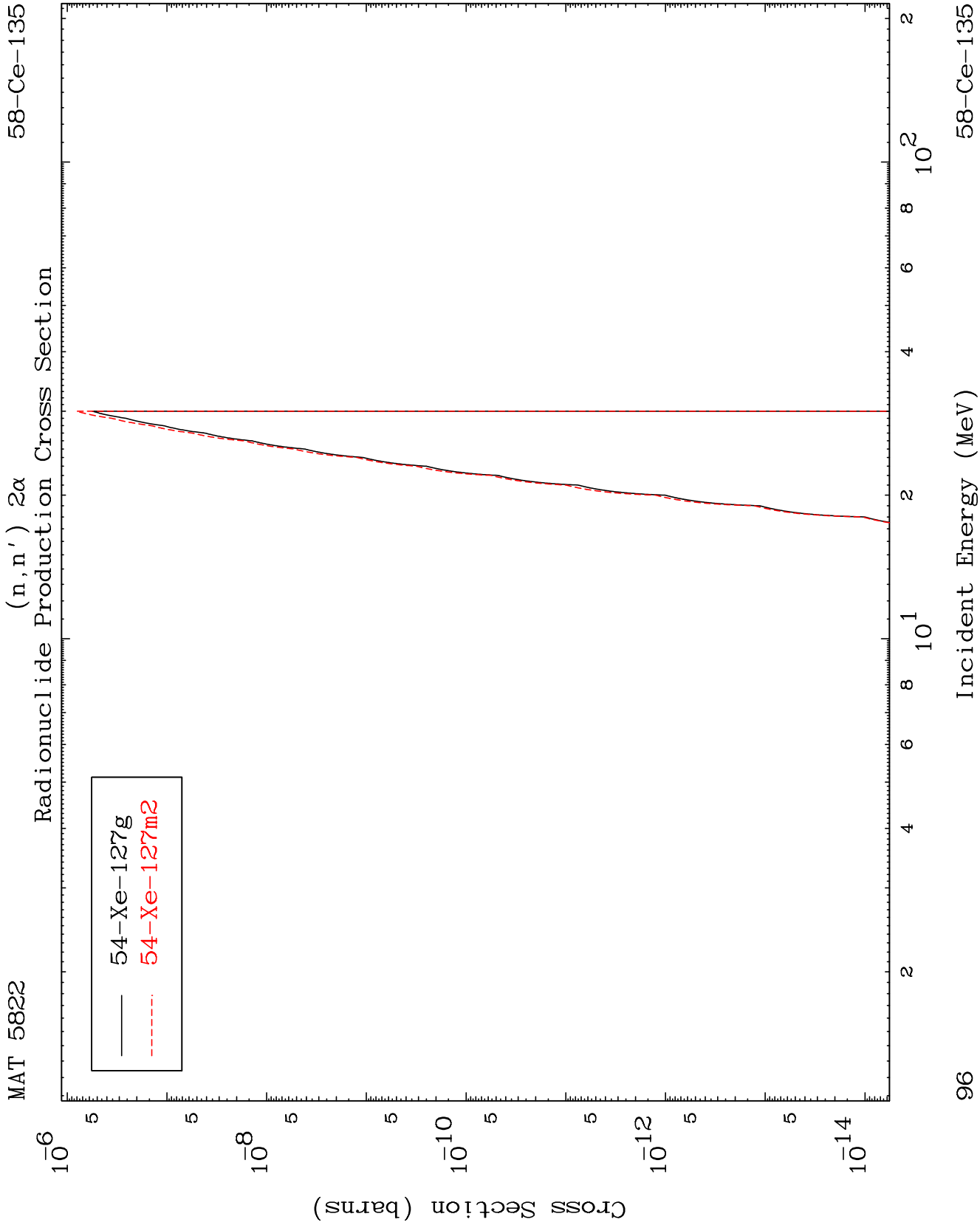
$(n,3n) \alpha$
Radionuclide Production Cross Section



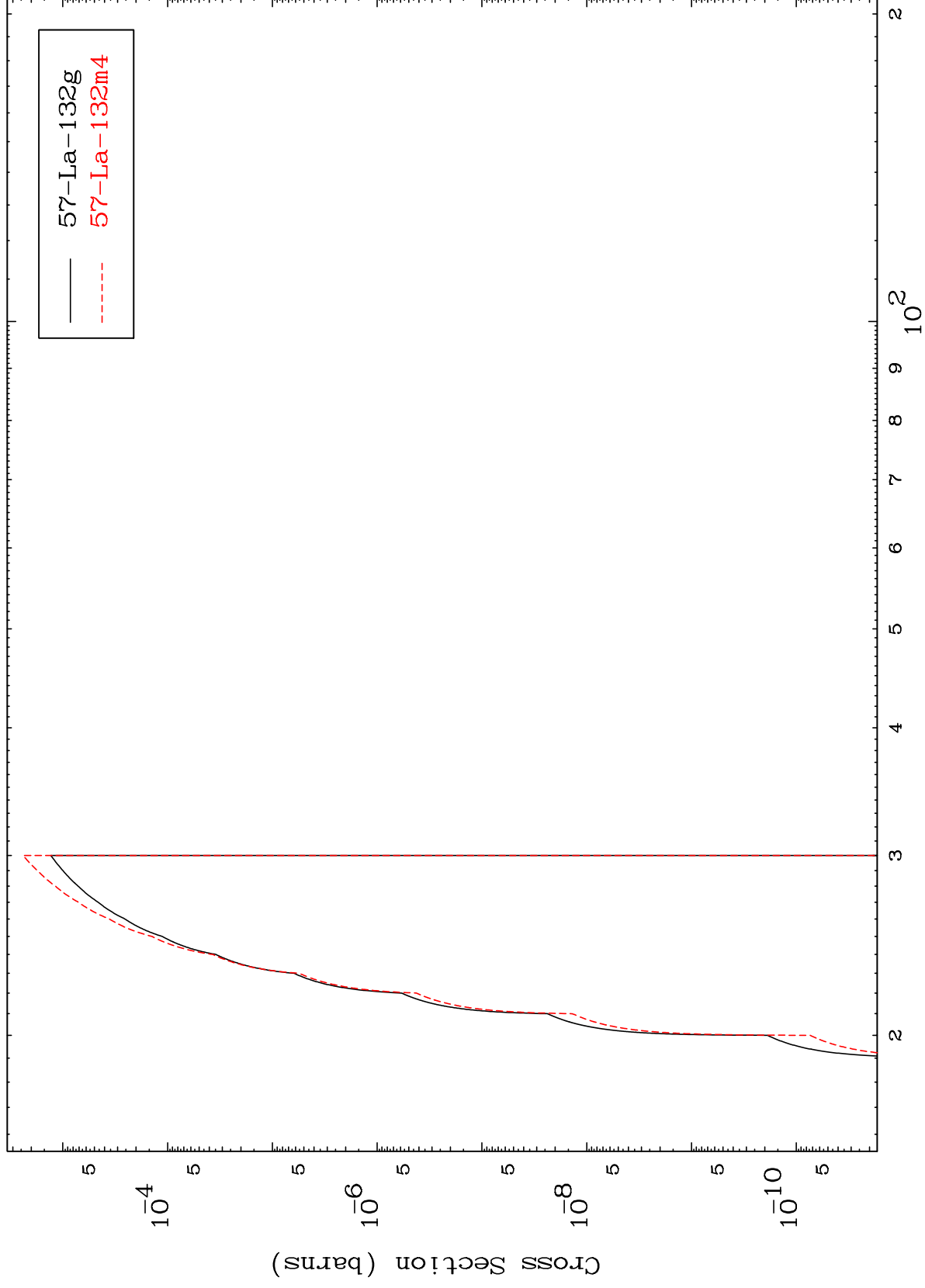
95

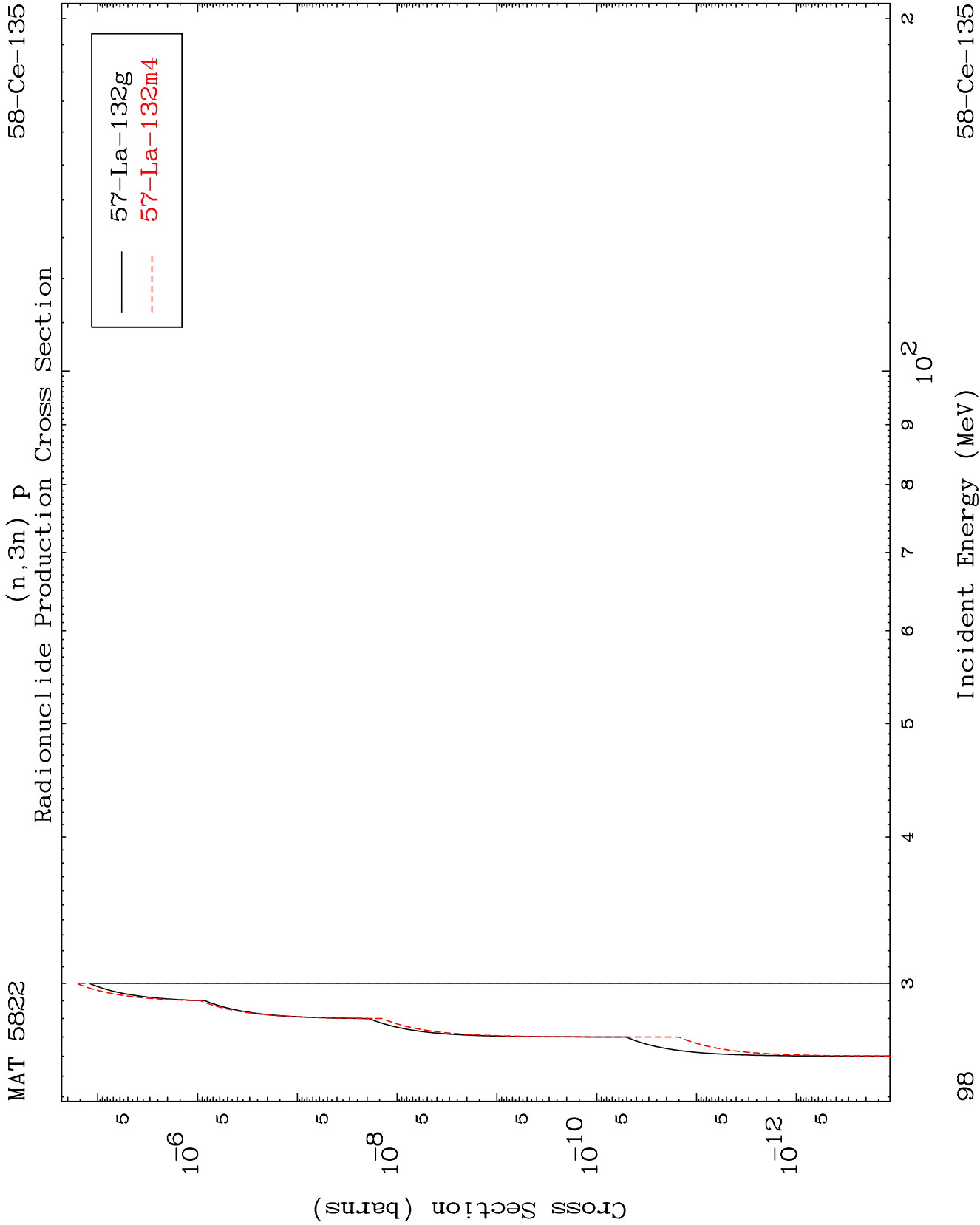
Incident Energy (MeV)

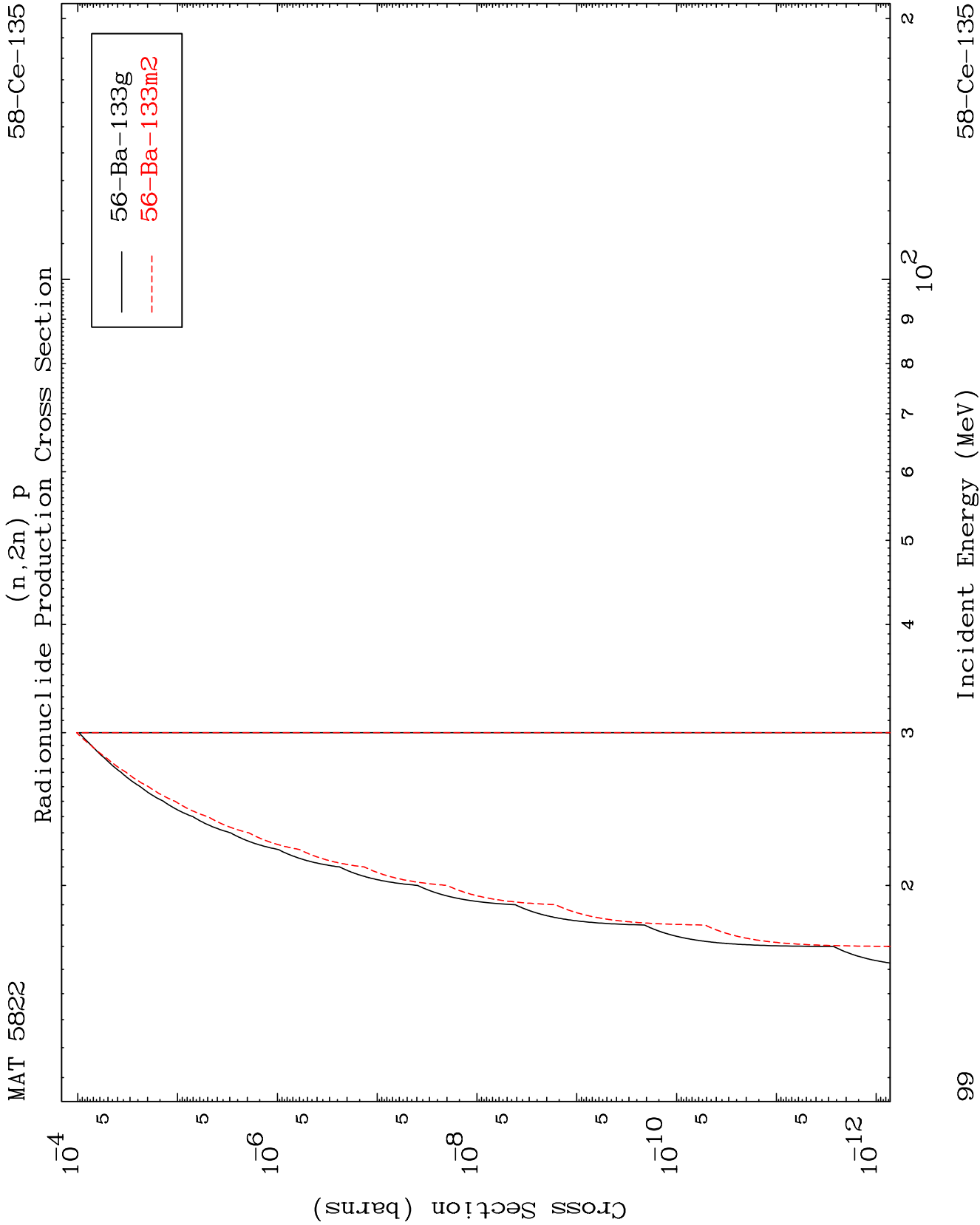
58-Ce-135



Radionuclide Production Cross Section
(n,n') t



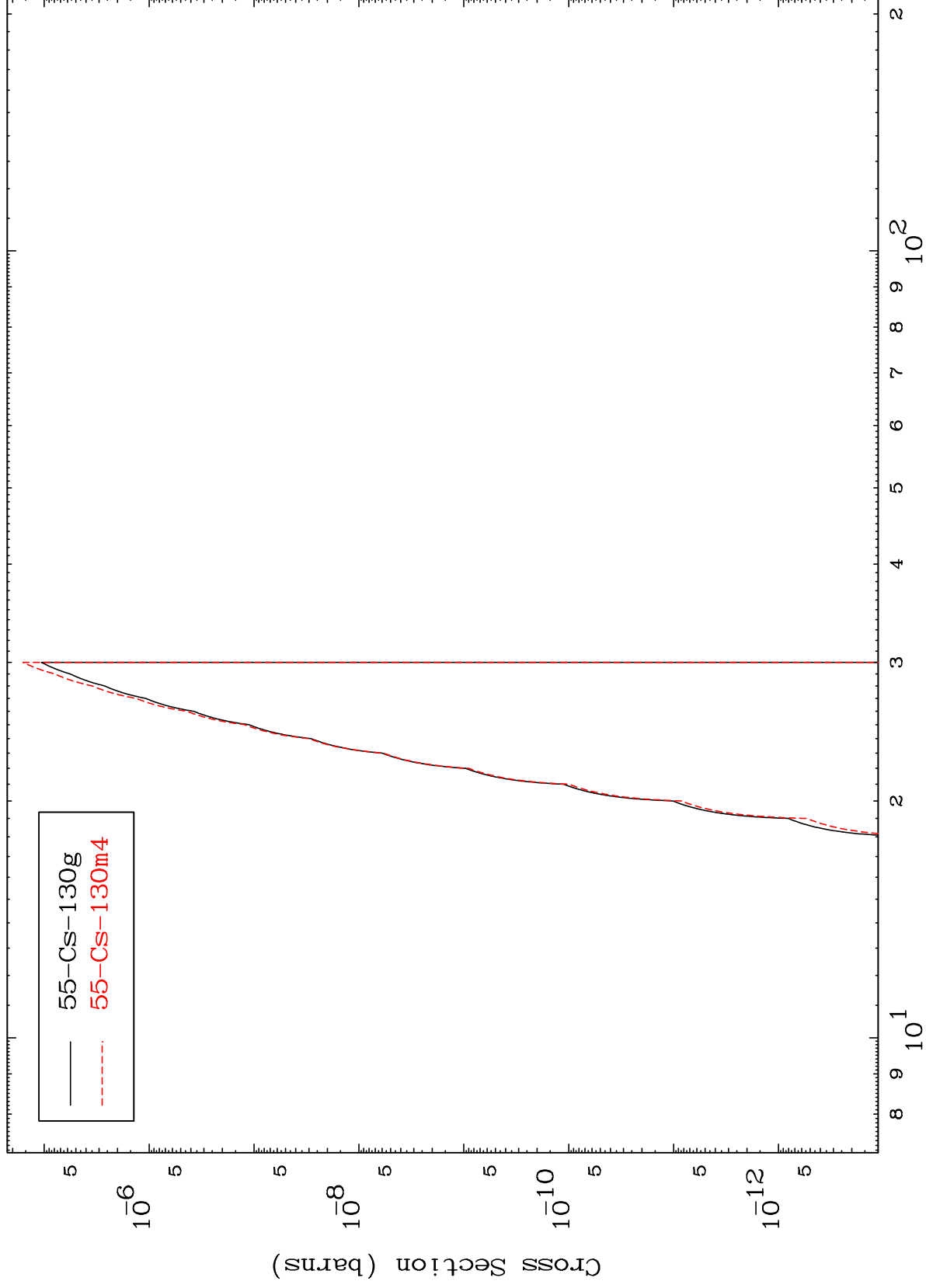




MAT 5822

58-Ce-135

(n,n') p α
Radionuclide Production Cross Section



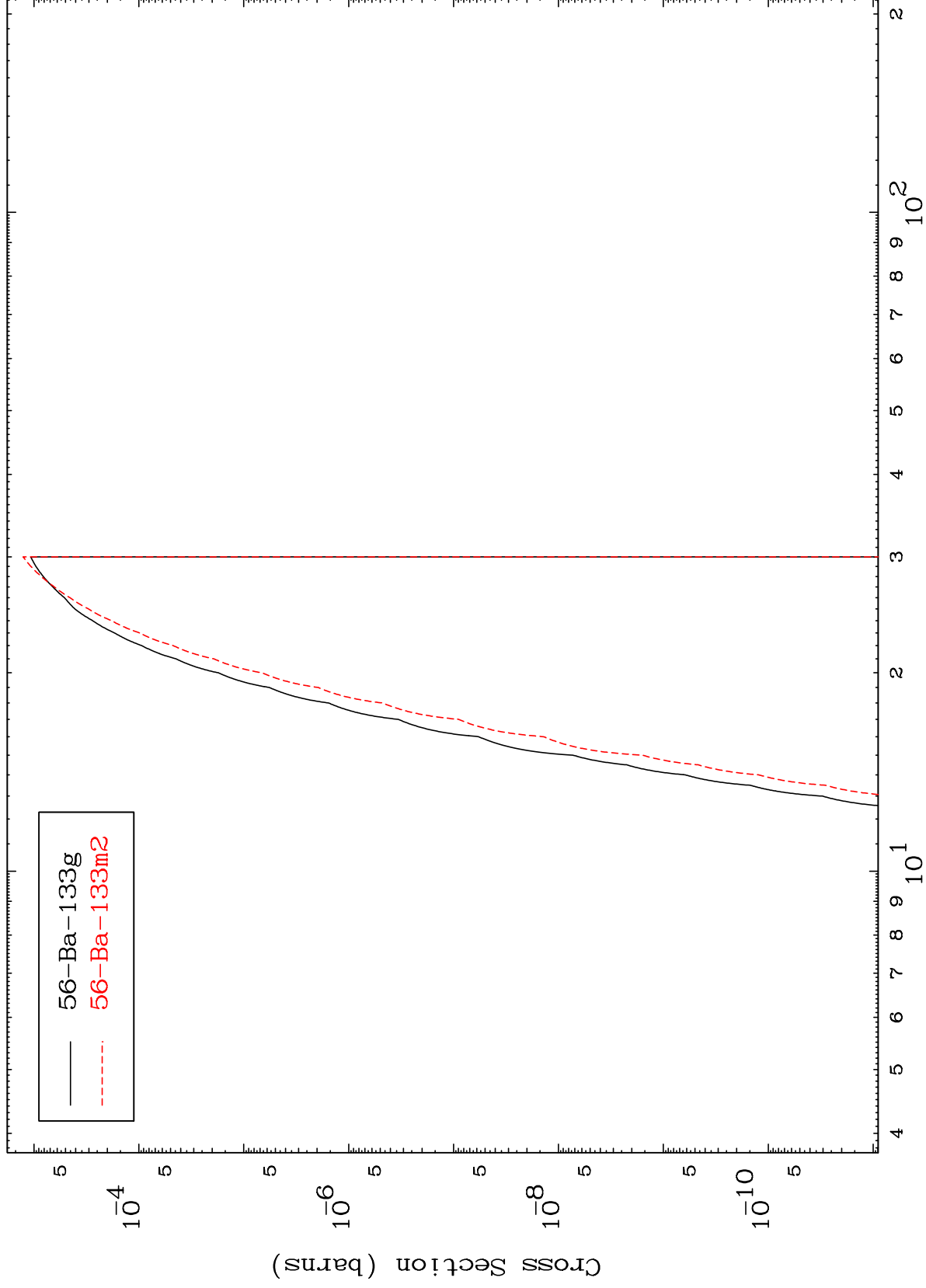
58-Ce-135

Incident Energy (MeV)

MAT 5822

58-Ce-135

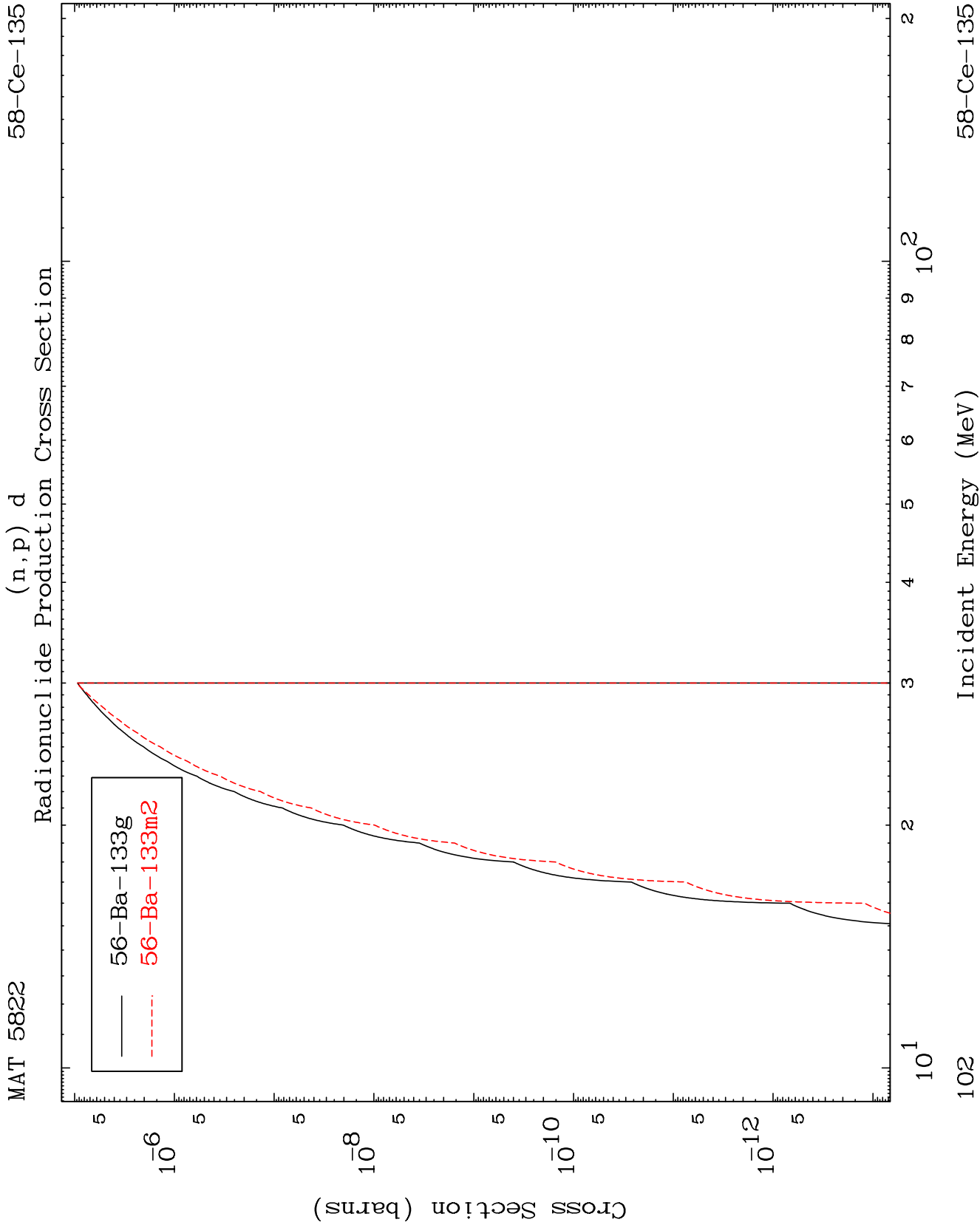
Radionuclide Production Cross Section
(n,He-3)



101

Incident Energy (MeV)

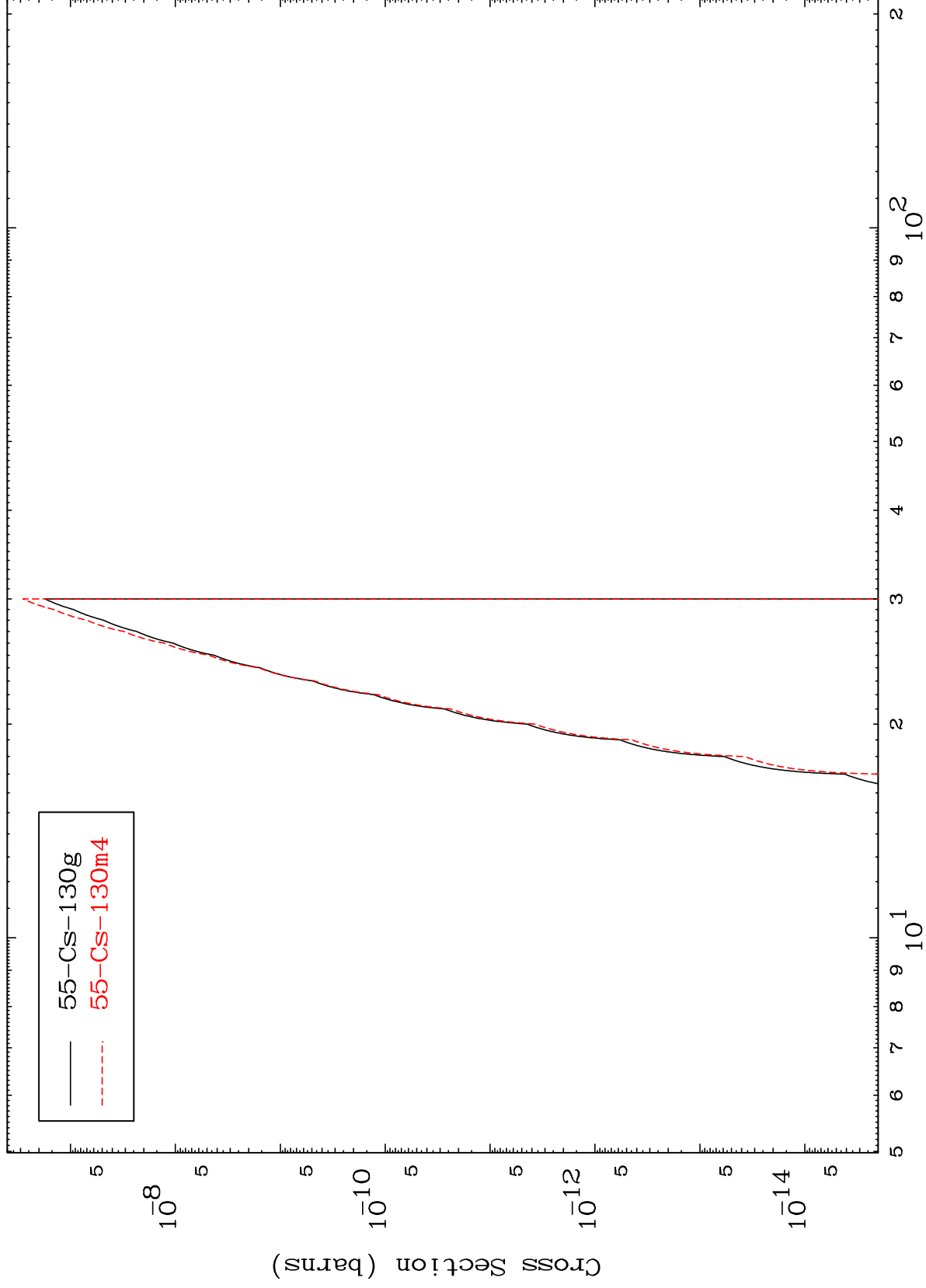
58-Ce-135



MAT 5822

58-Ce-135

(n,d) α
Radionuclide Production Cross Section



103

Incident Energy (MeV)

58-Ce-135