

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

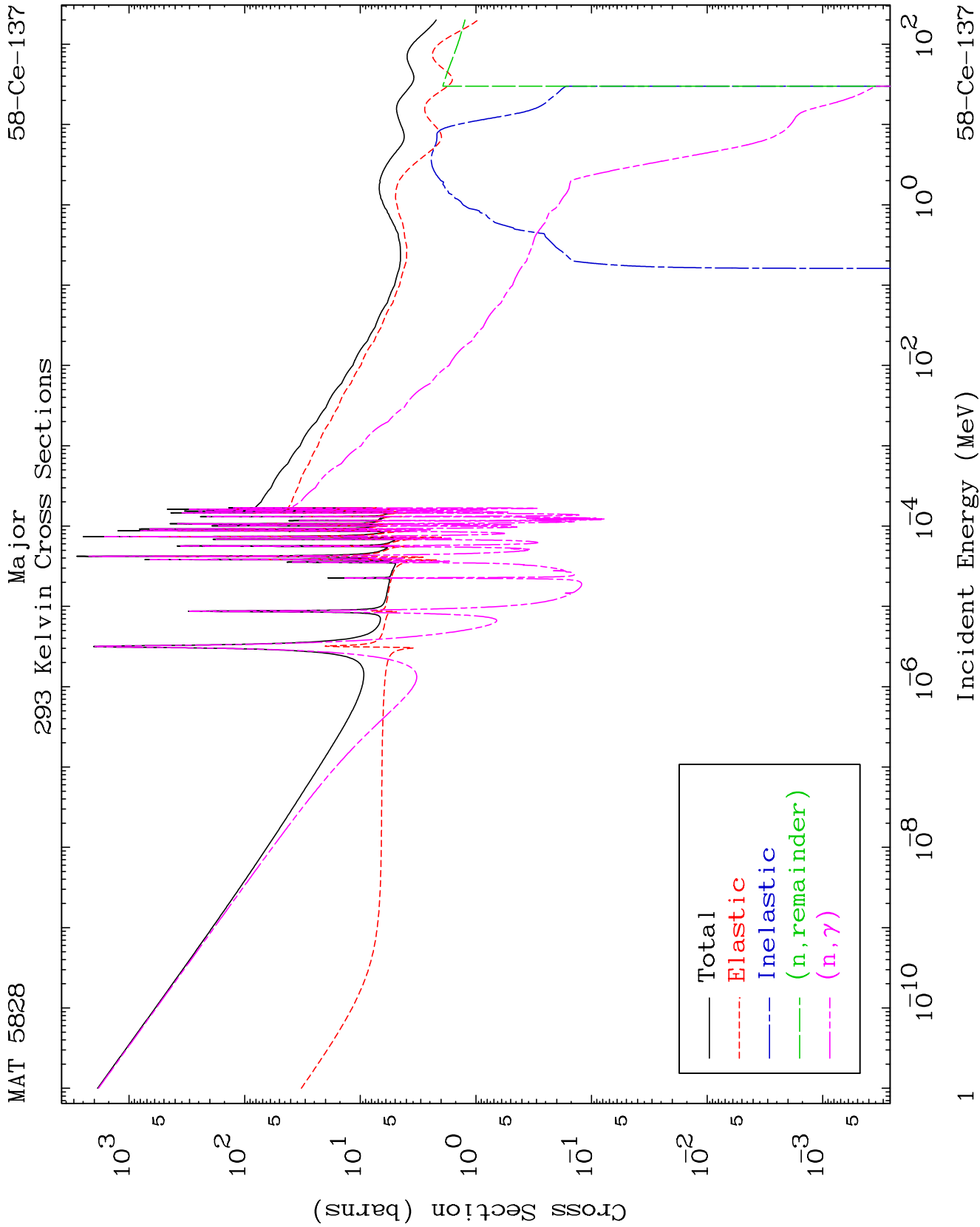
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E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

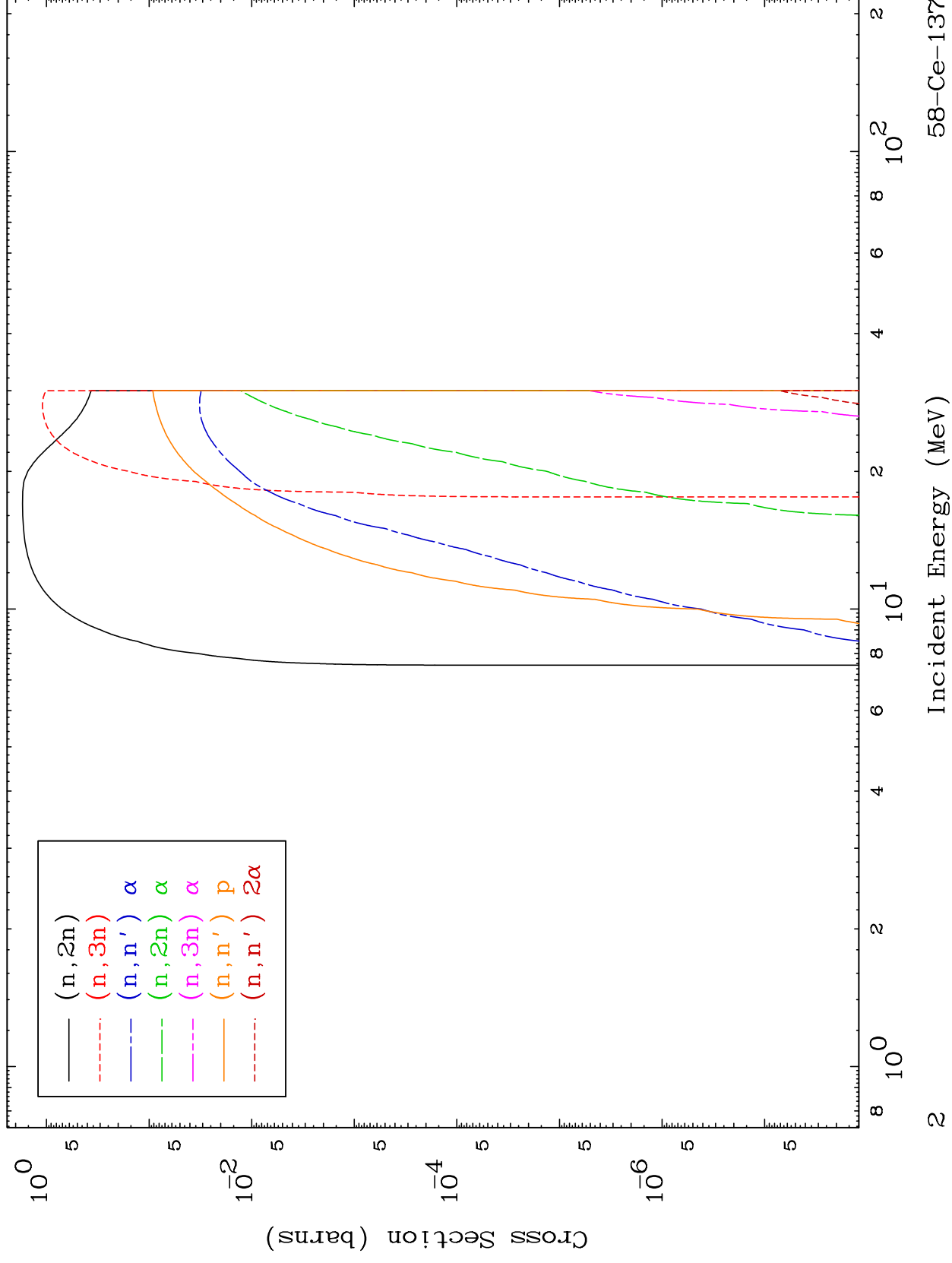
Press Mouse Button to Start

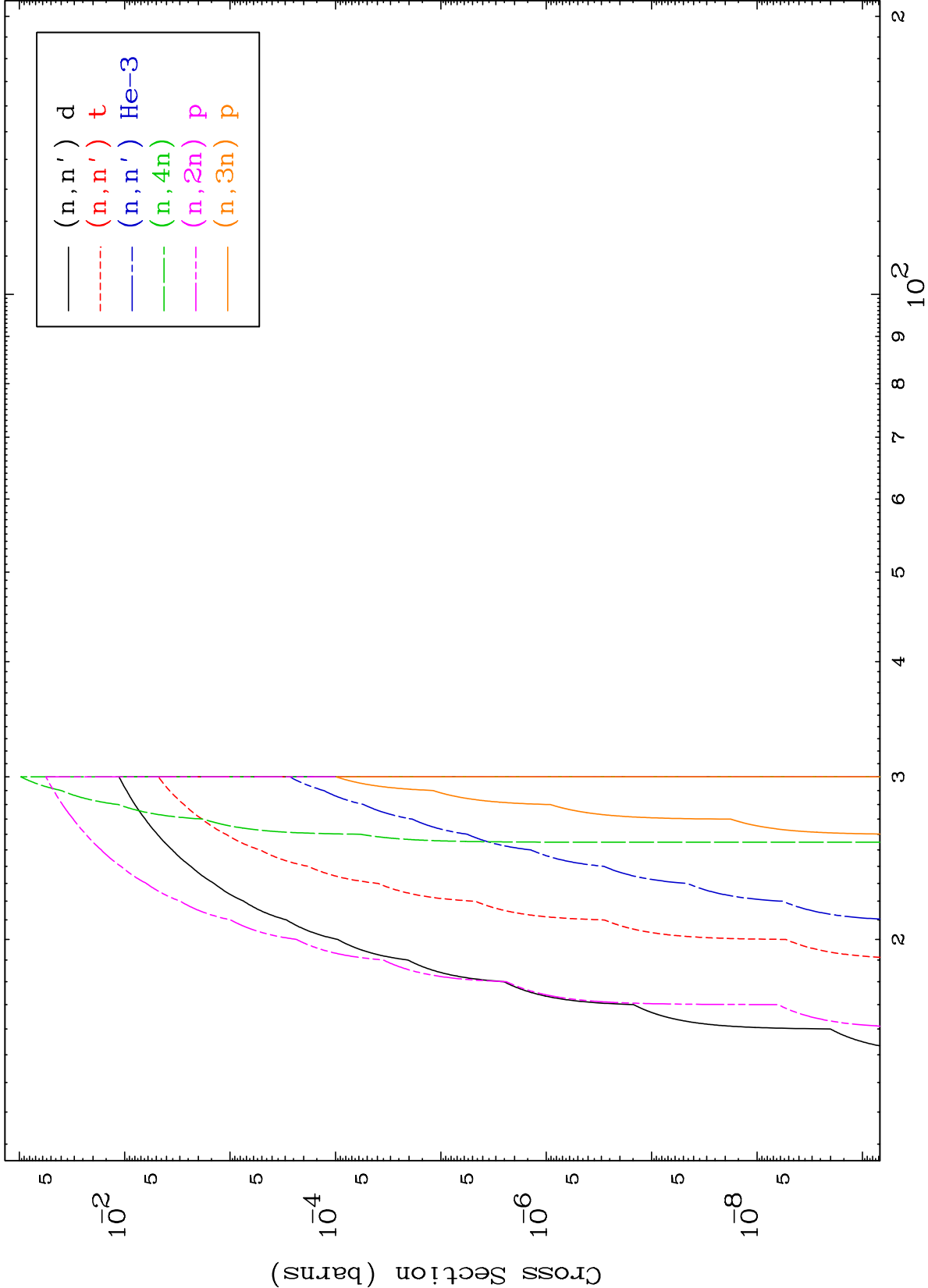


MAT 5828

Neutron Production  
293 Kelvin Cross Secti

58-Ce-137

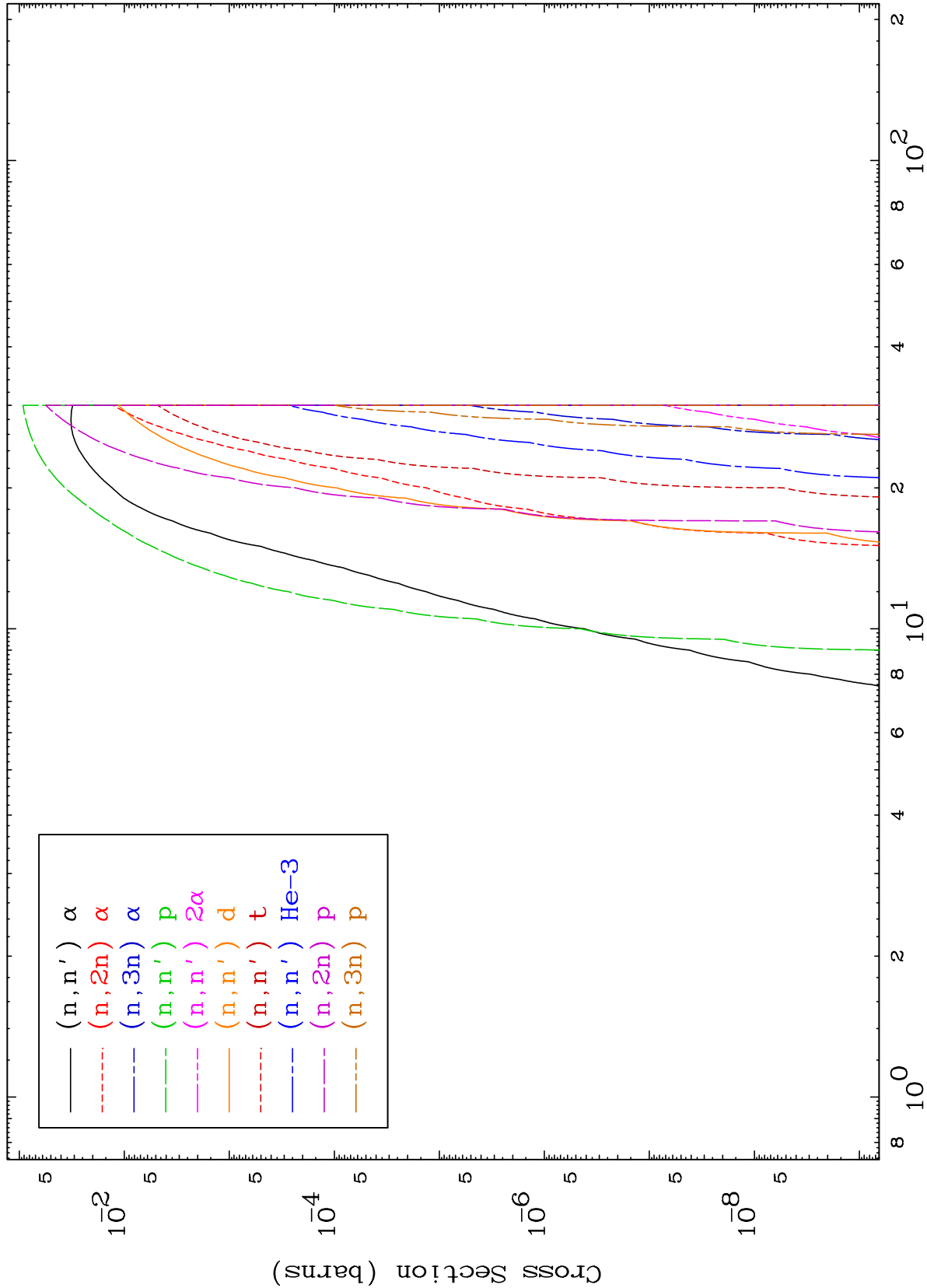




MAT 5828

Charged Particle  
293 Kelvin Cross Sections

58-Ce-137



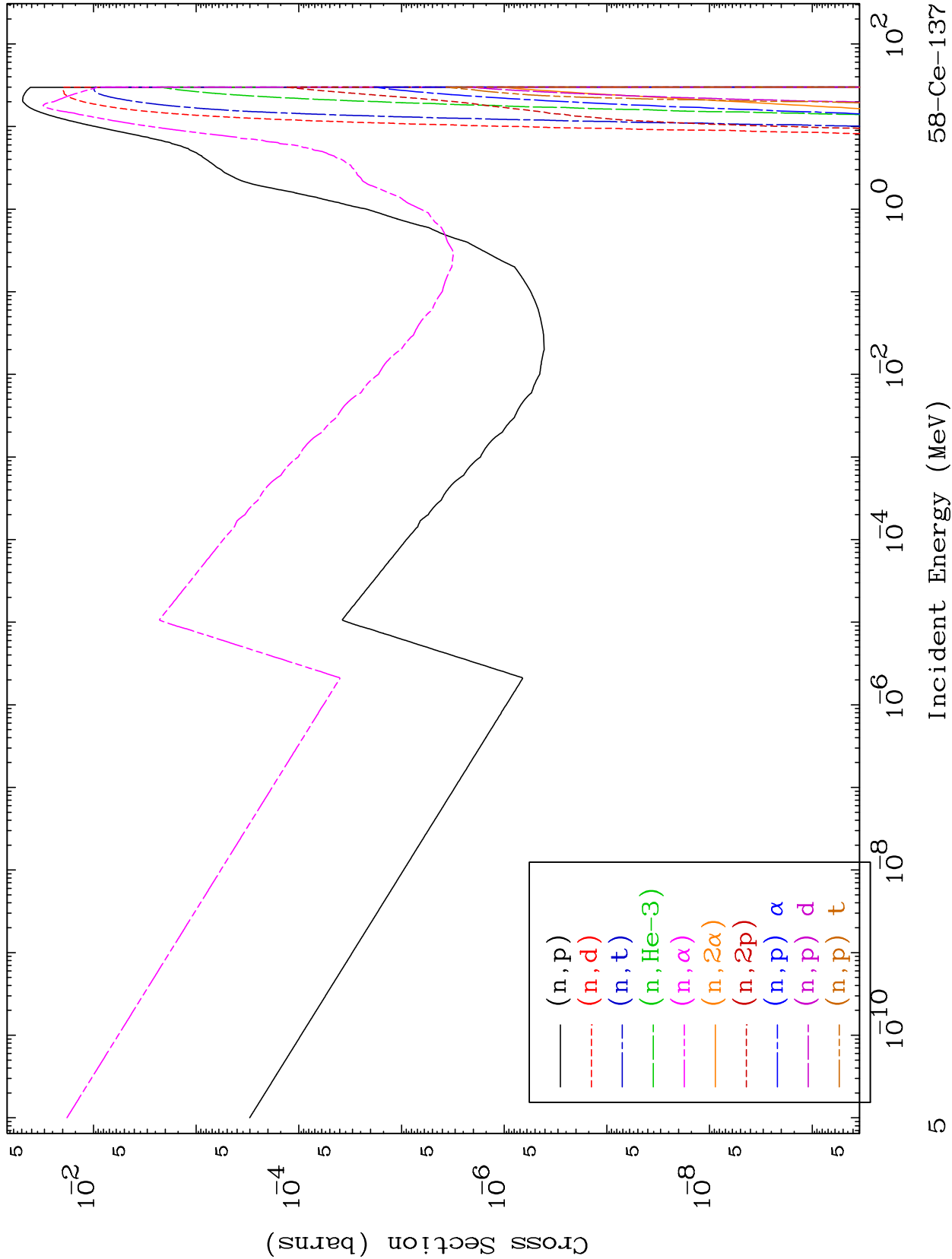
Incident Energy (MeV)

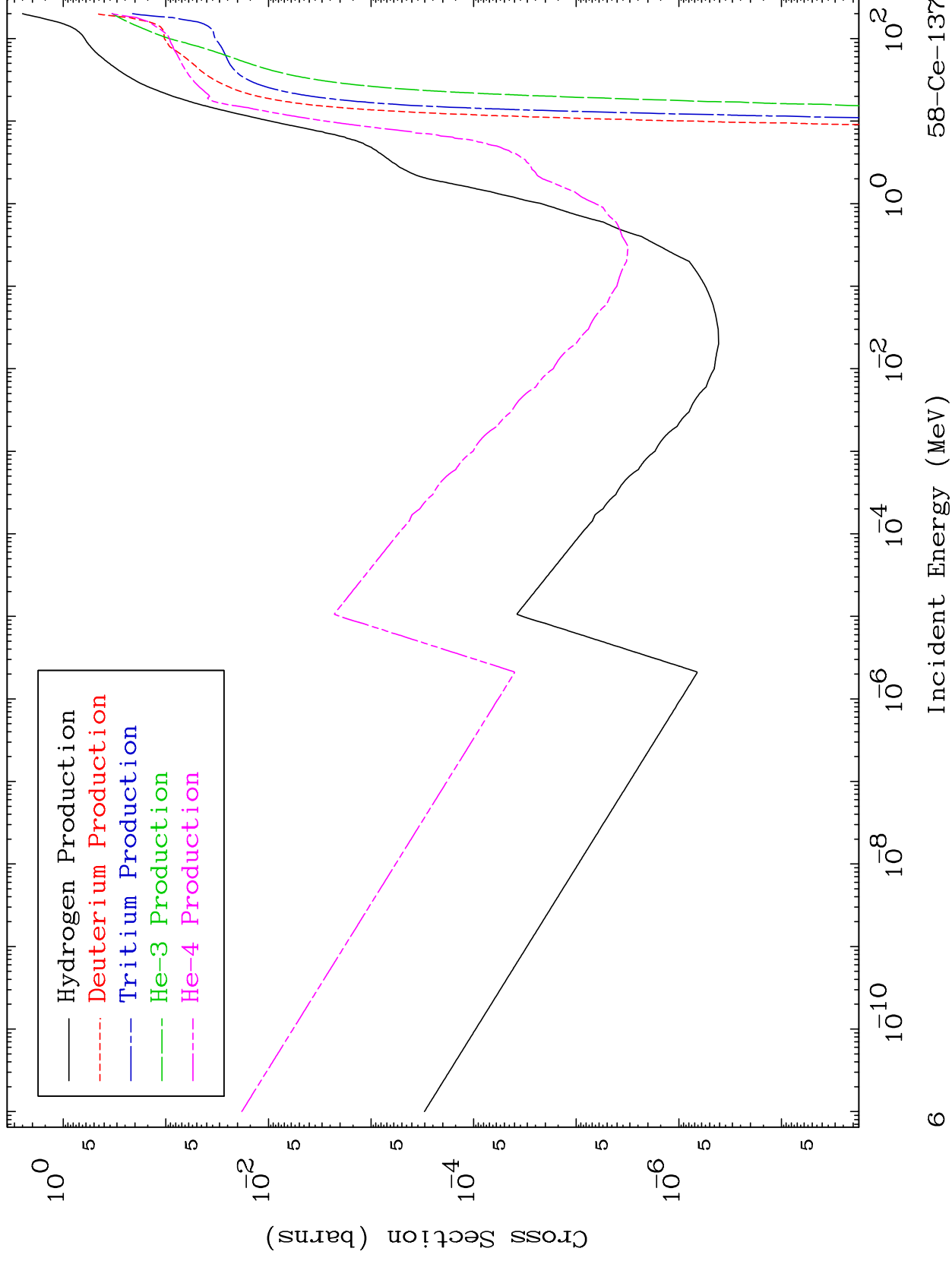
58-Ce-137

MAT 5828

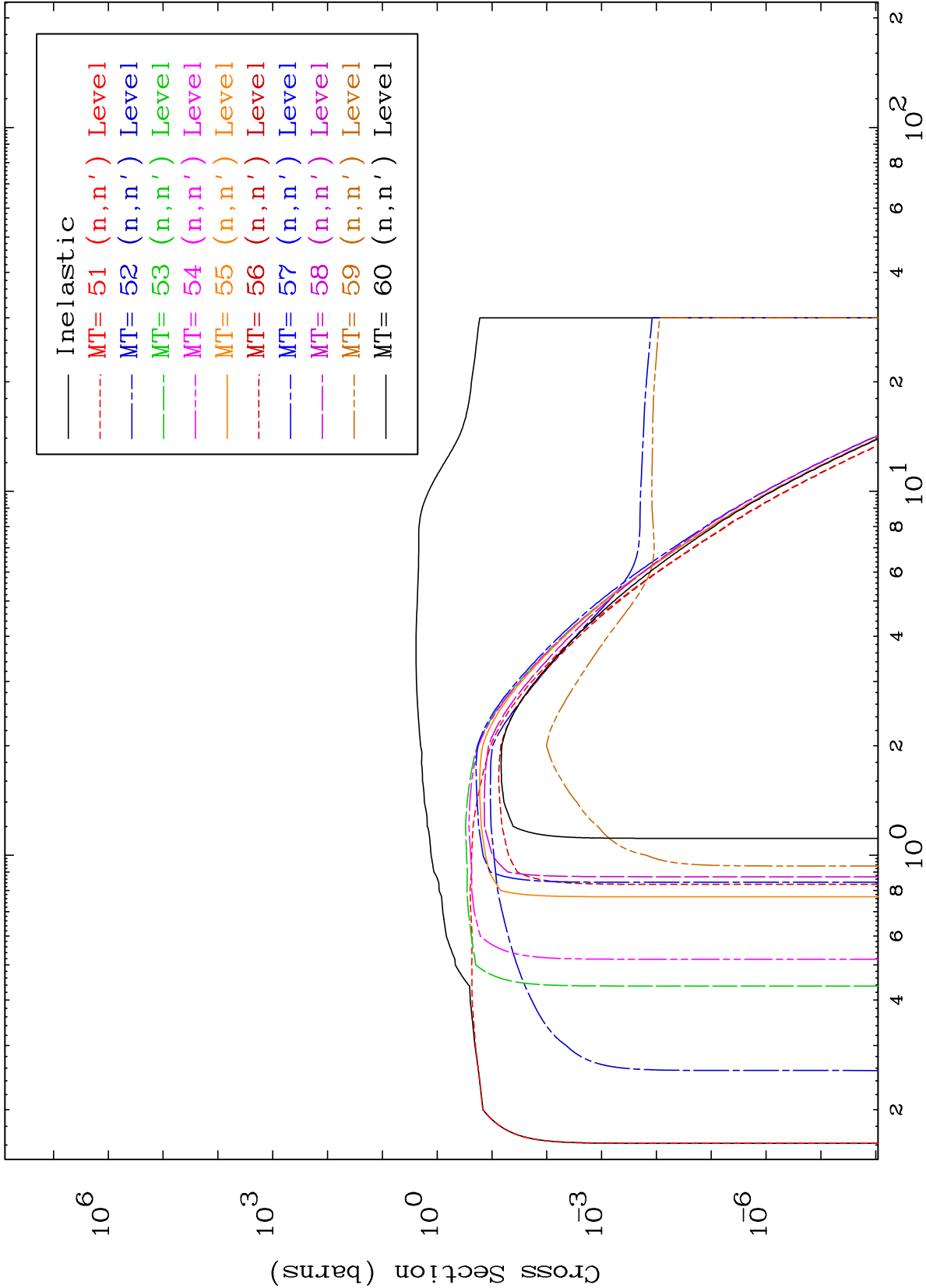
Charged Particle  
293 Kelvin Cross Sections

58-Ce-137

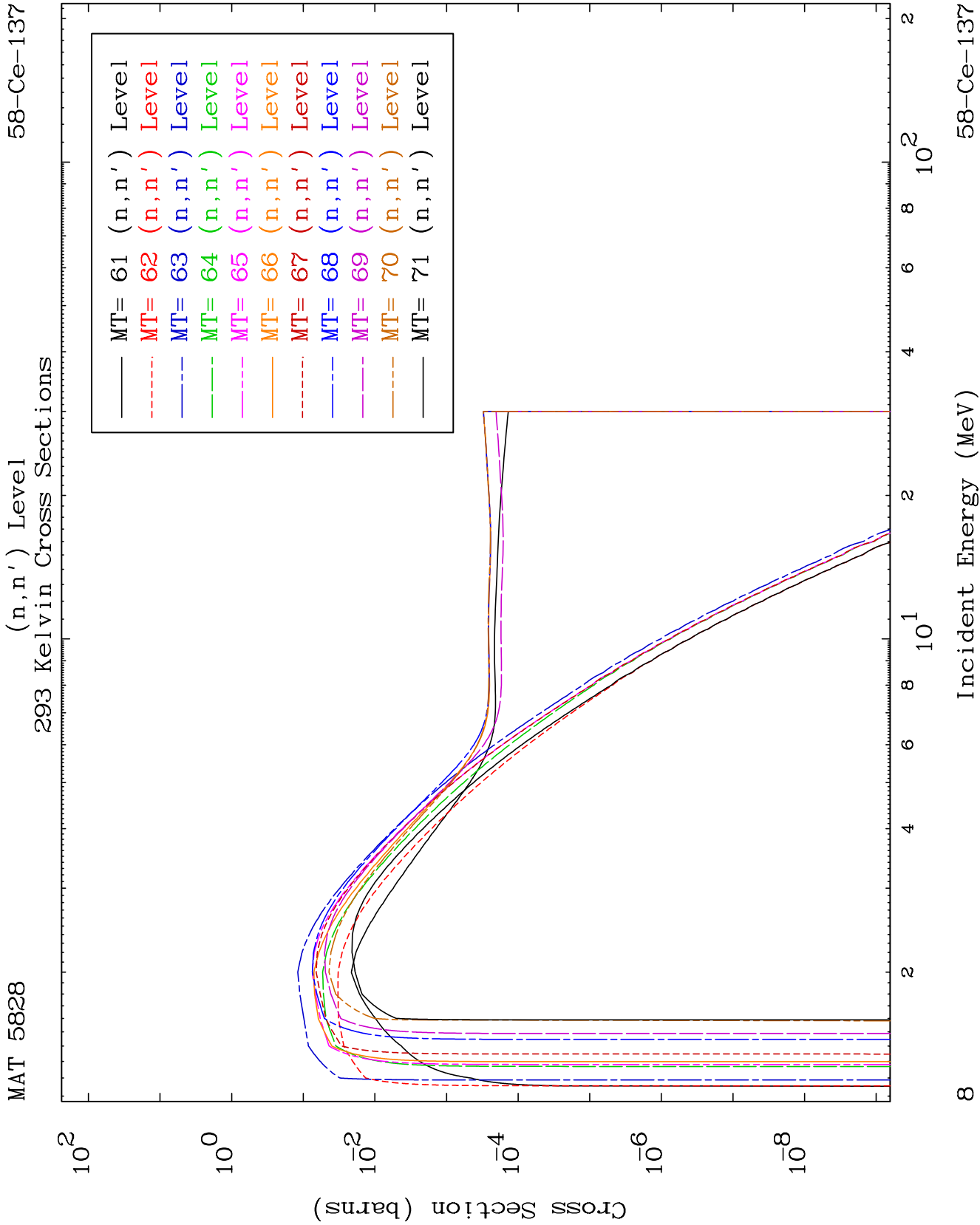




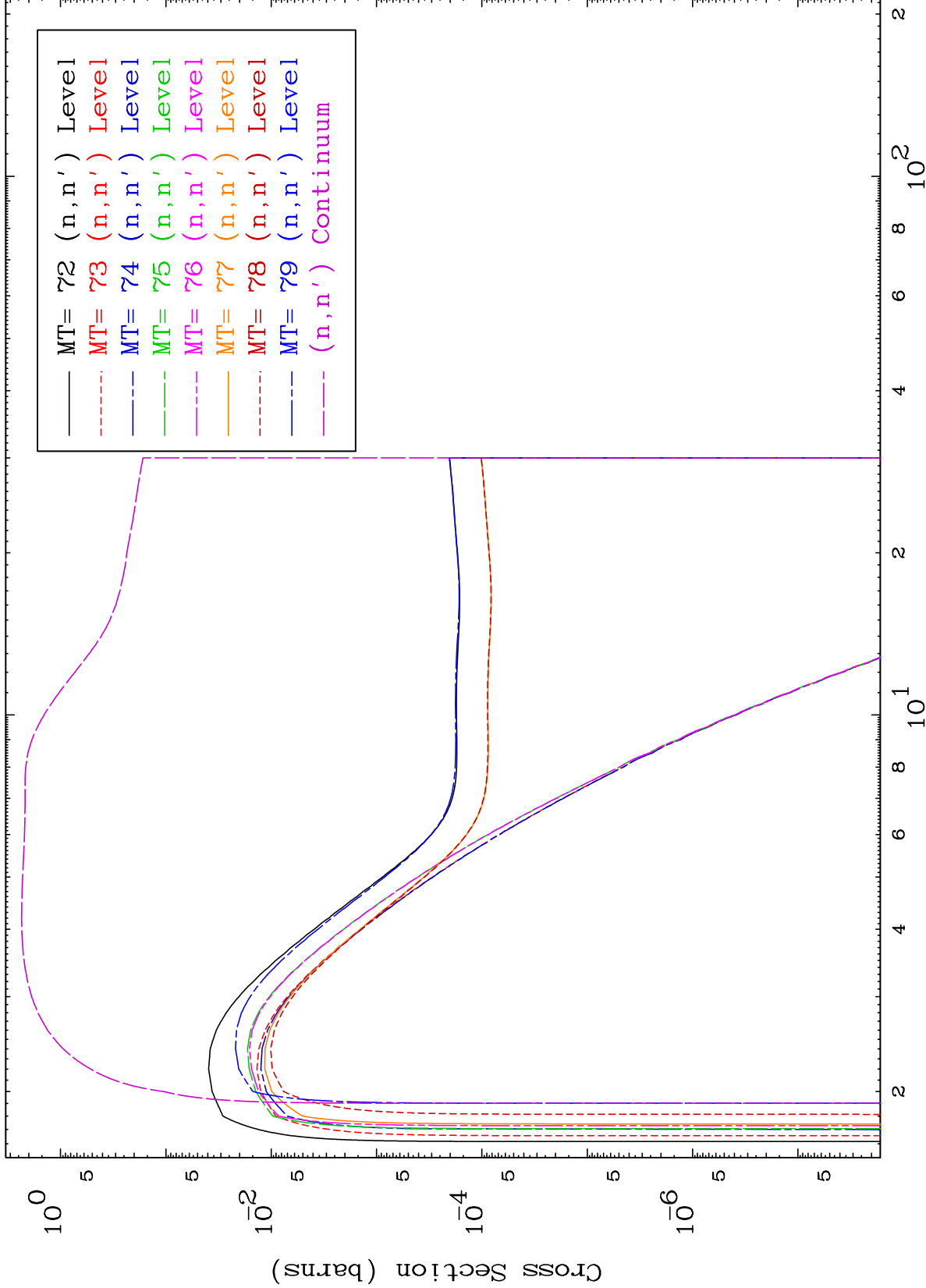
293 Kelvin Cross Sections

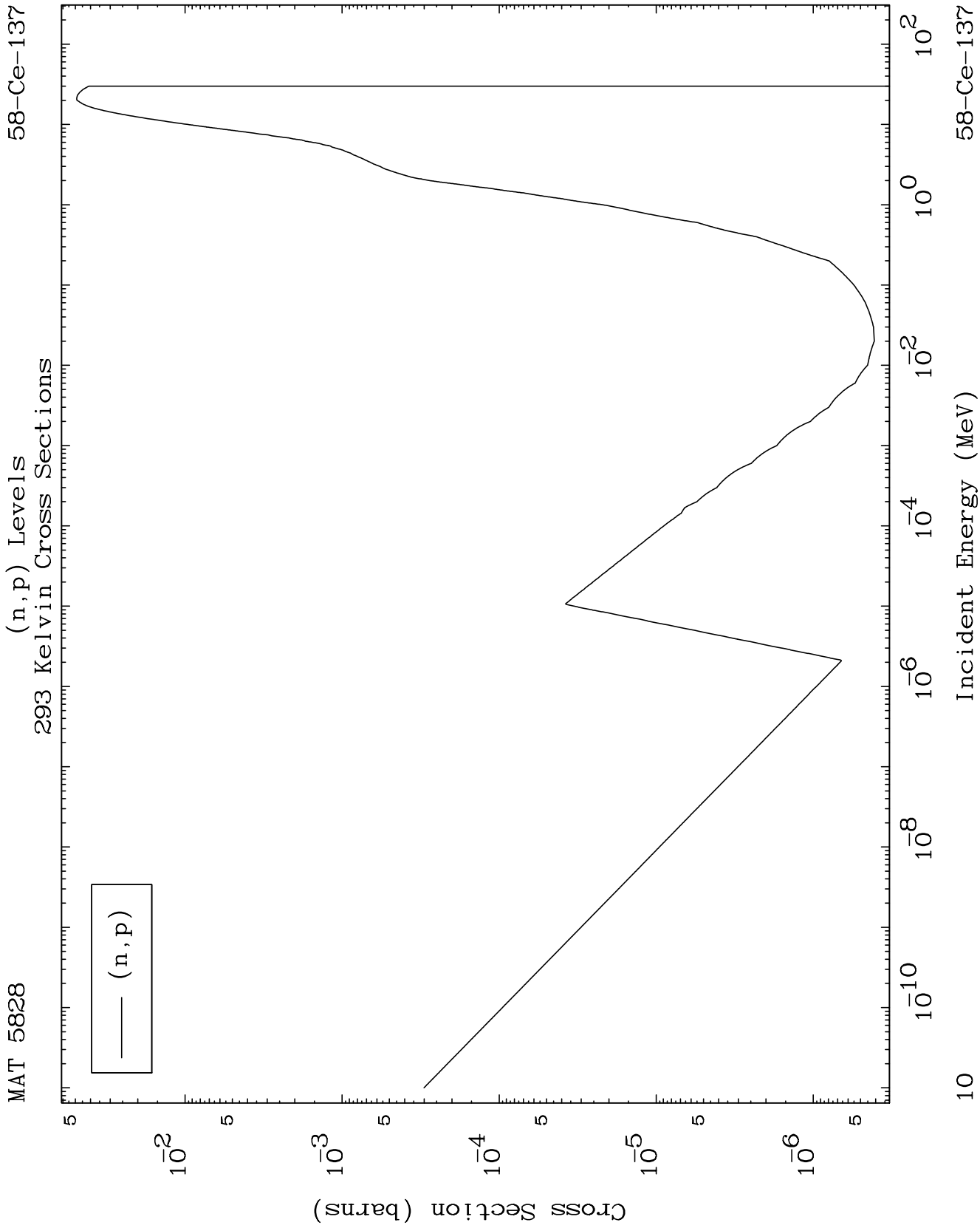


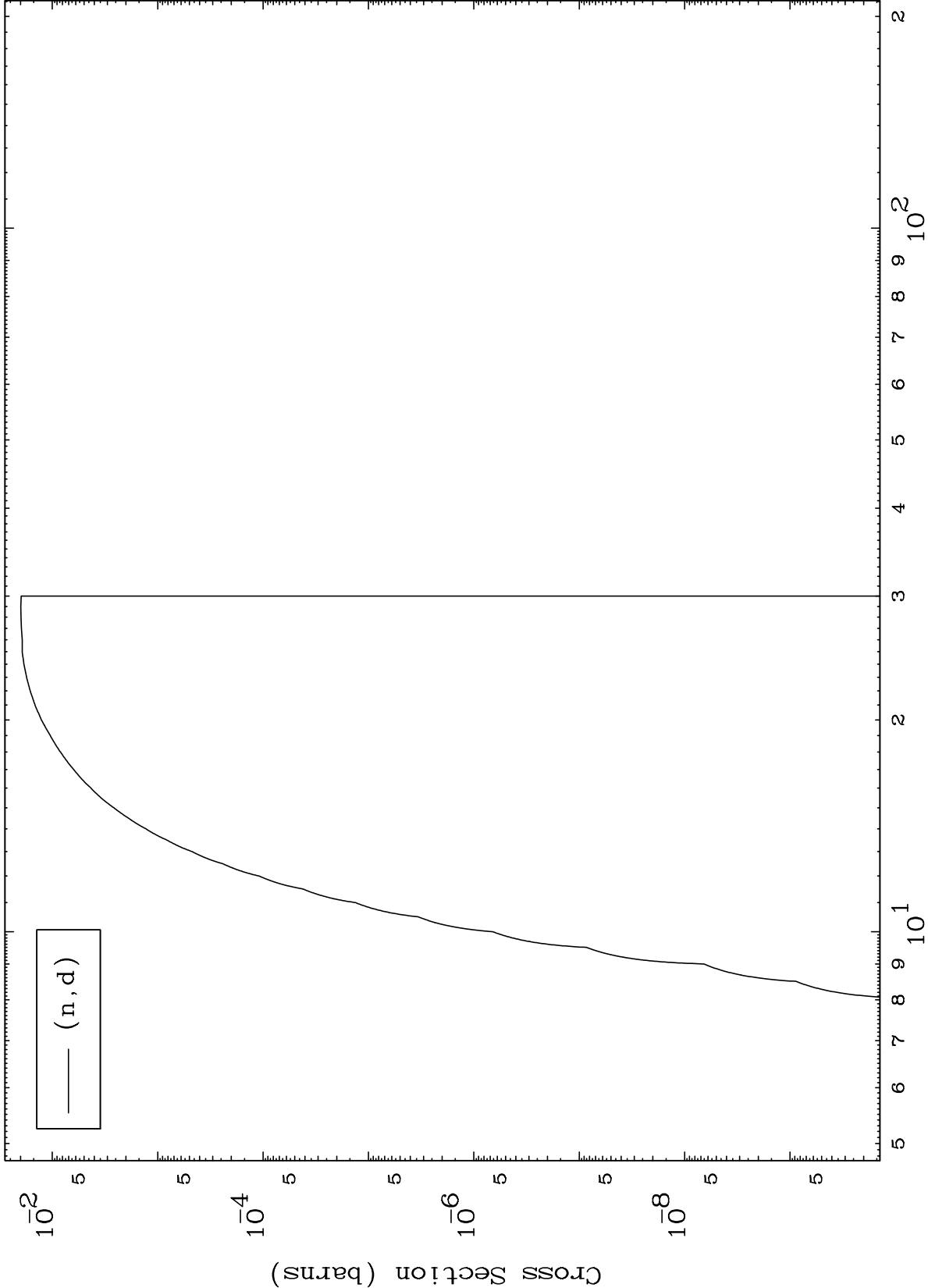


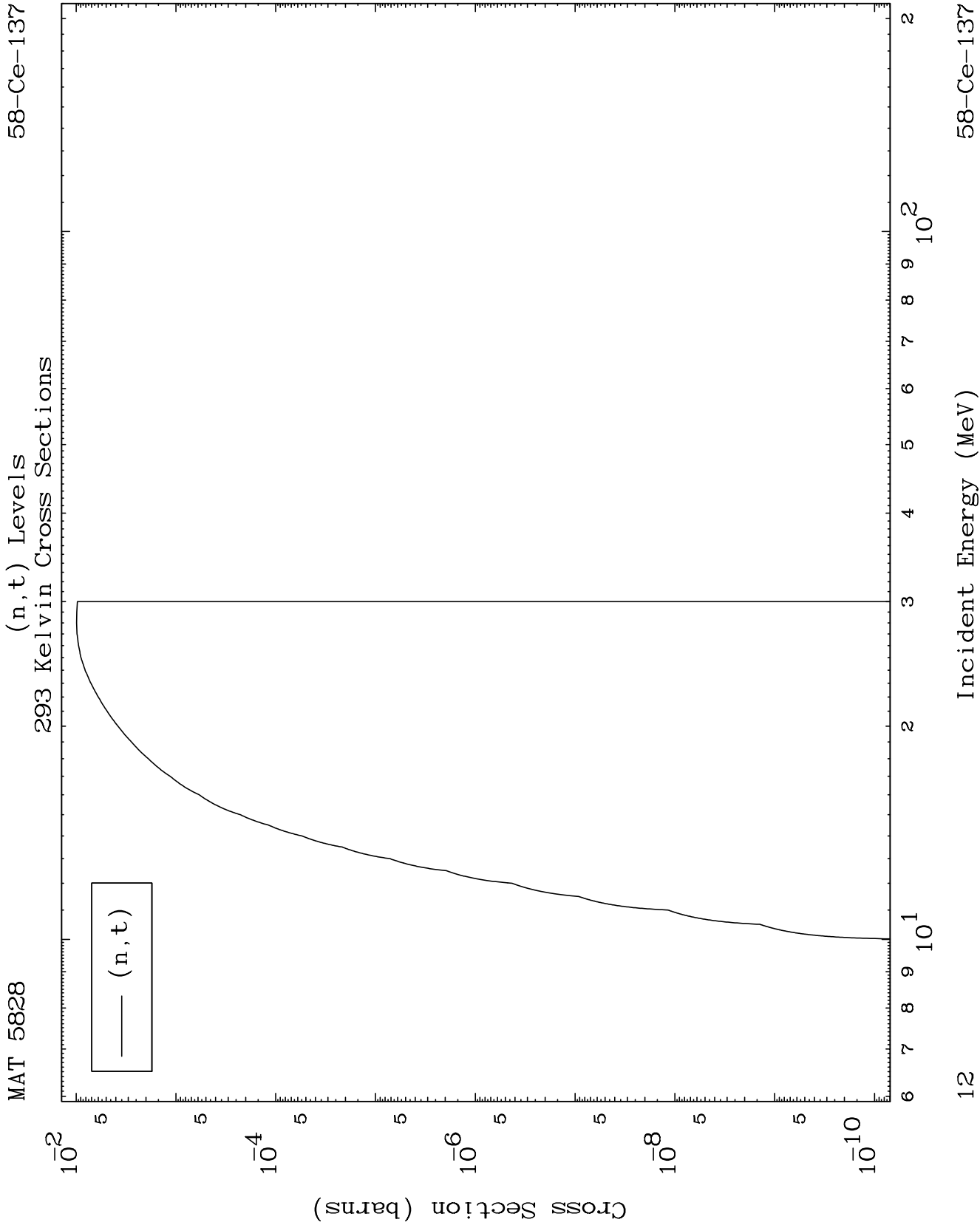


293 Kelvin Cross Sections





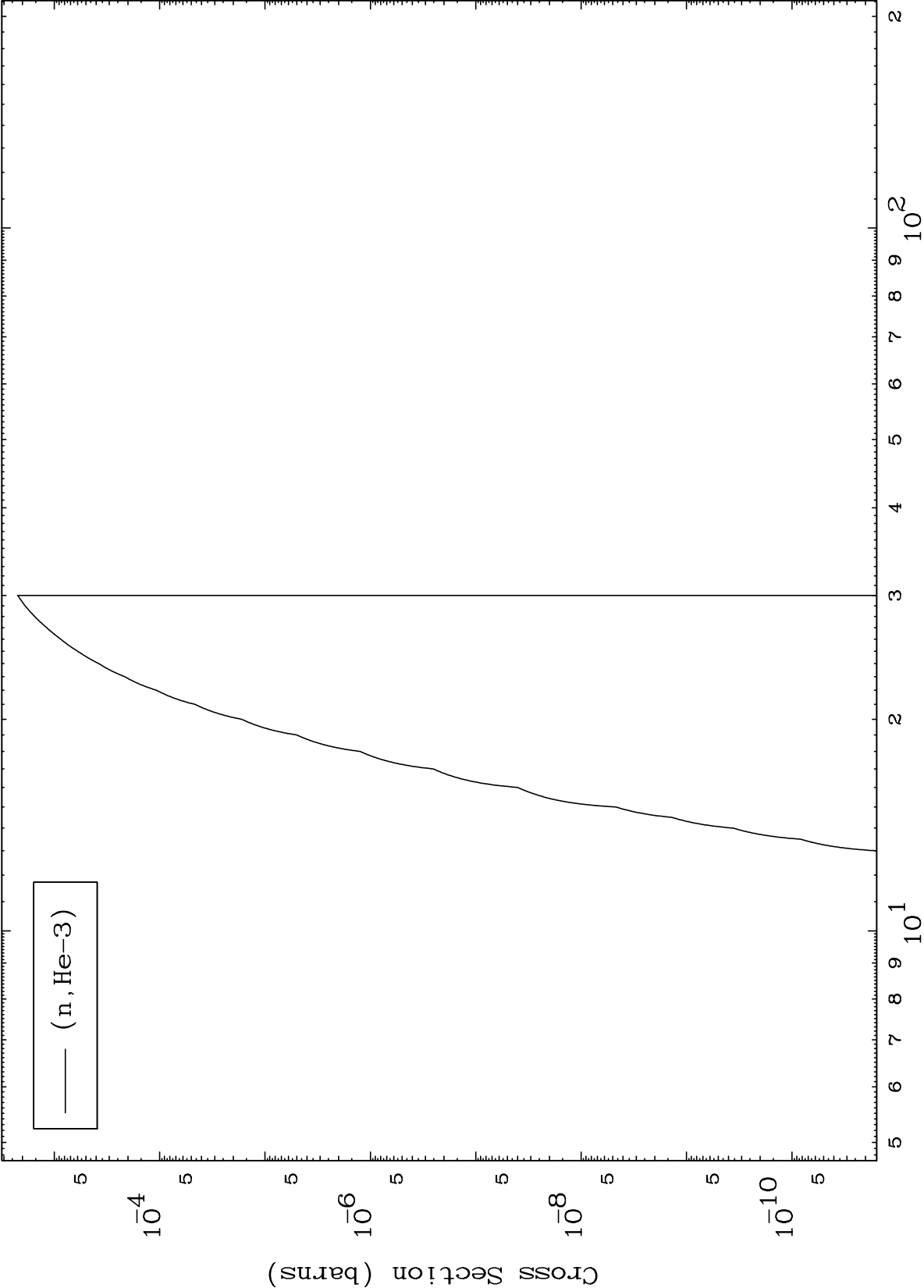




MAT 5828

(n,He3) Levels  
293 Kelvin Cross Sections

58-Ce-137



13

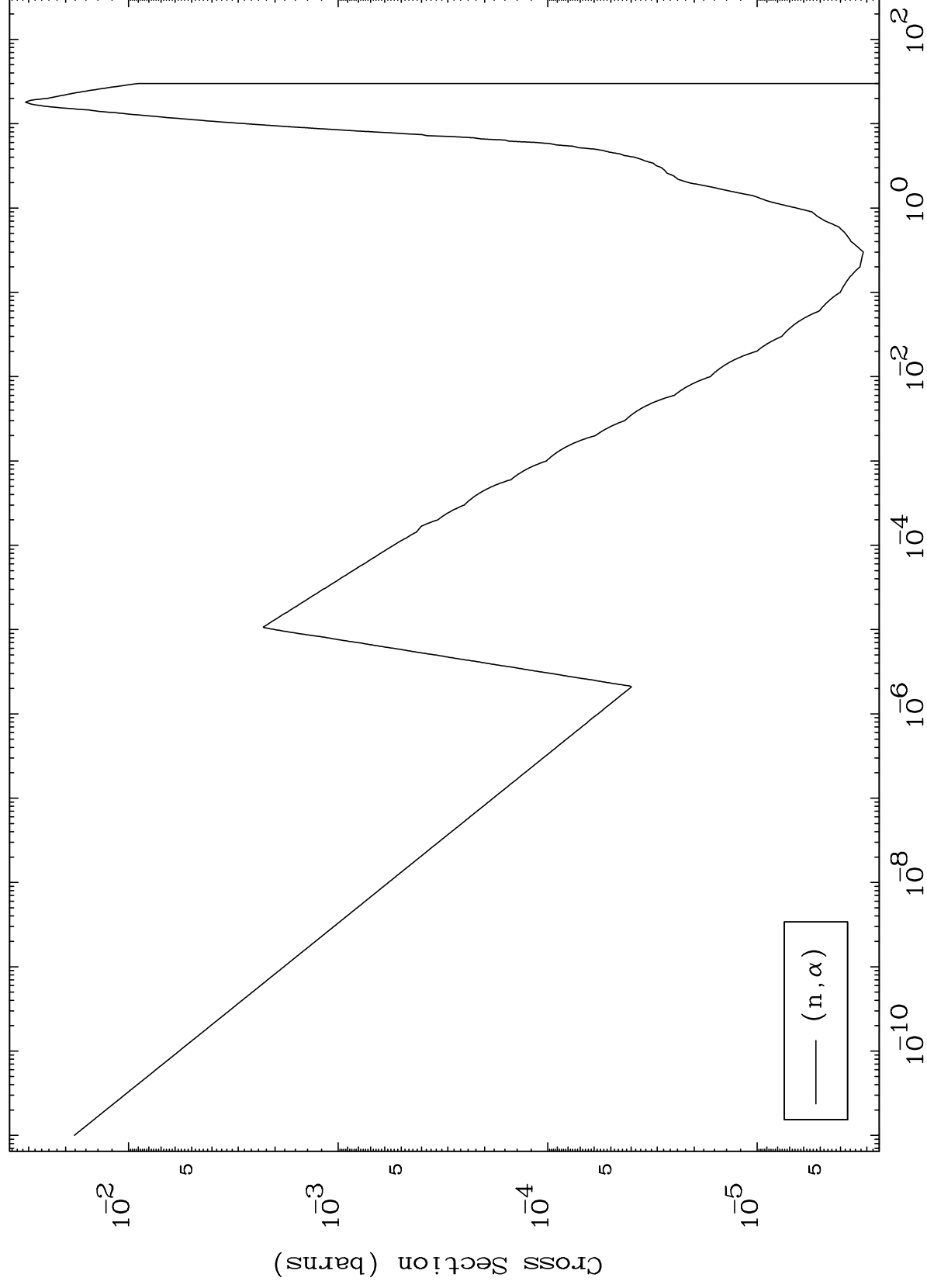
Incident Energy (MeV)

58-Ce-137

MAT 5828

(n, $\alpha$ ) Levels  
293 Kelvin Cross Sections

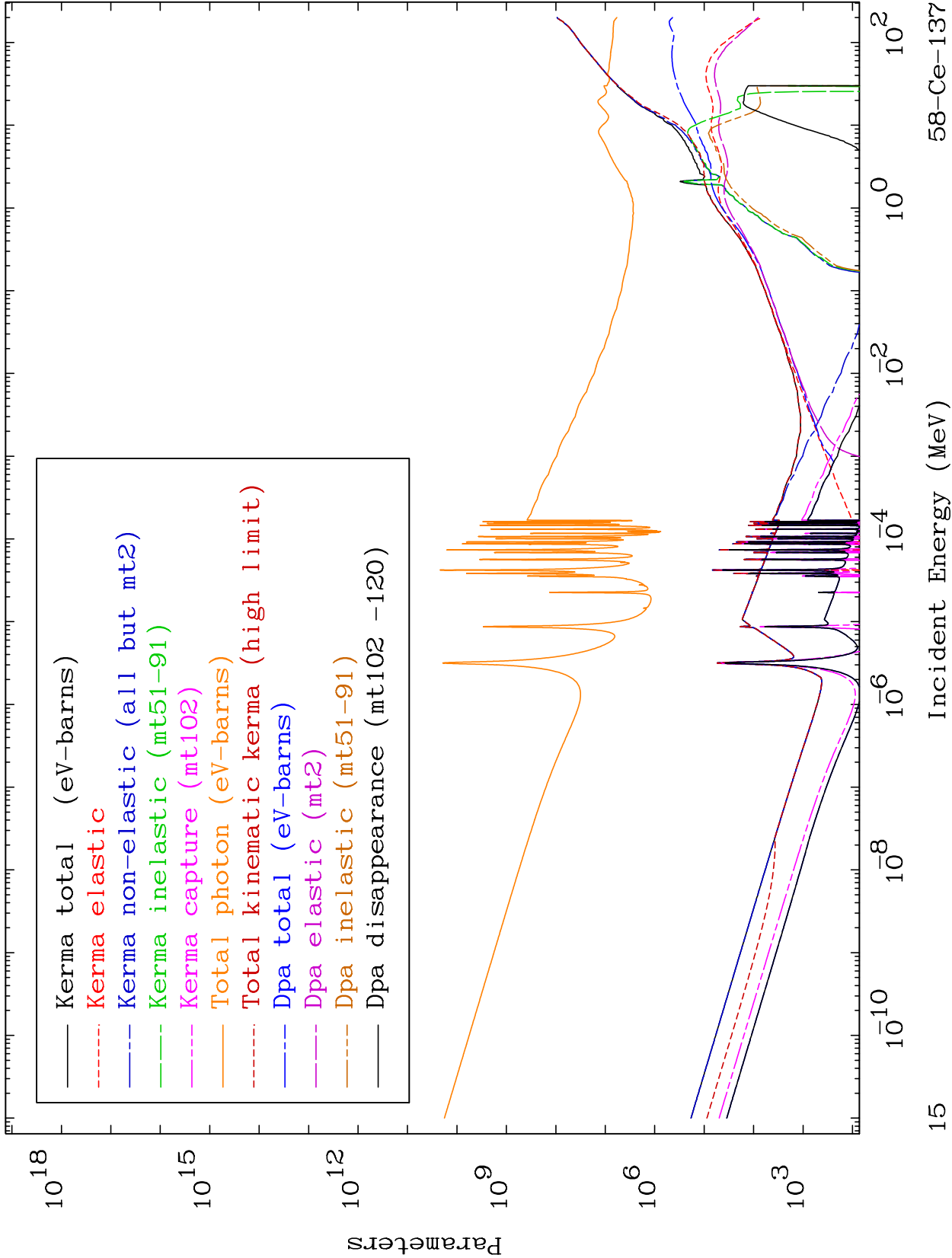
58-Ce-137



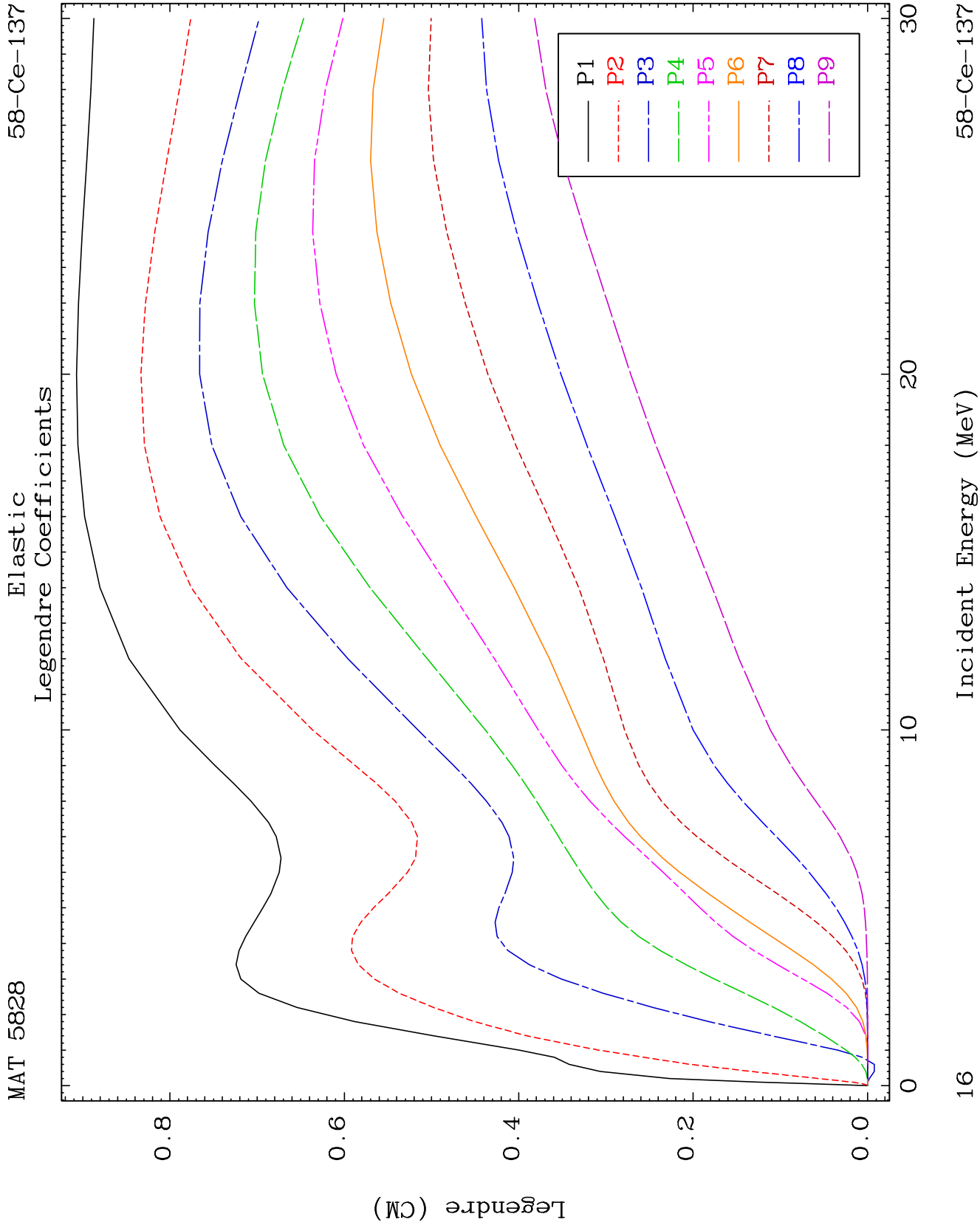
14

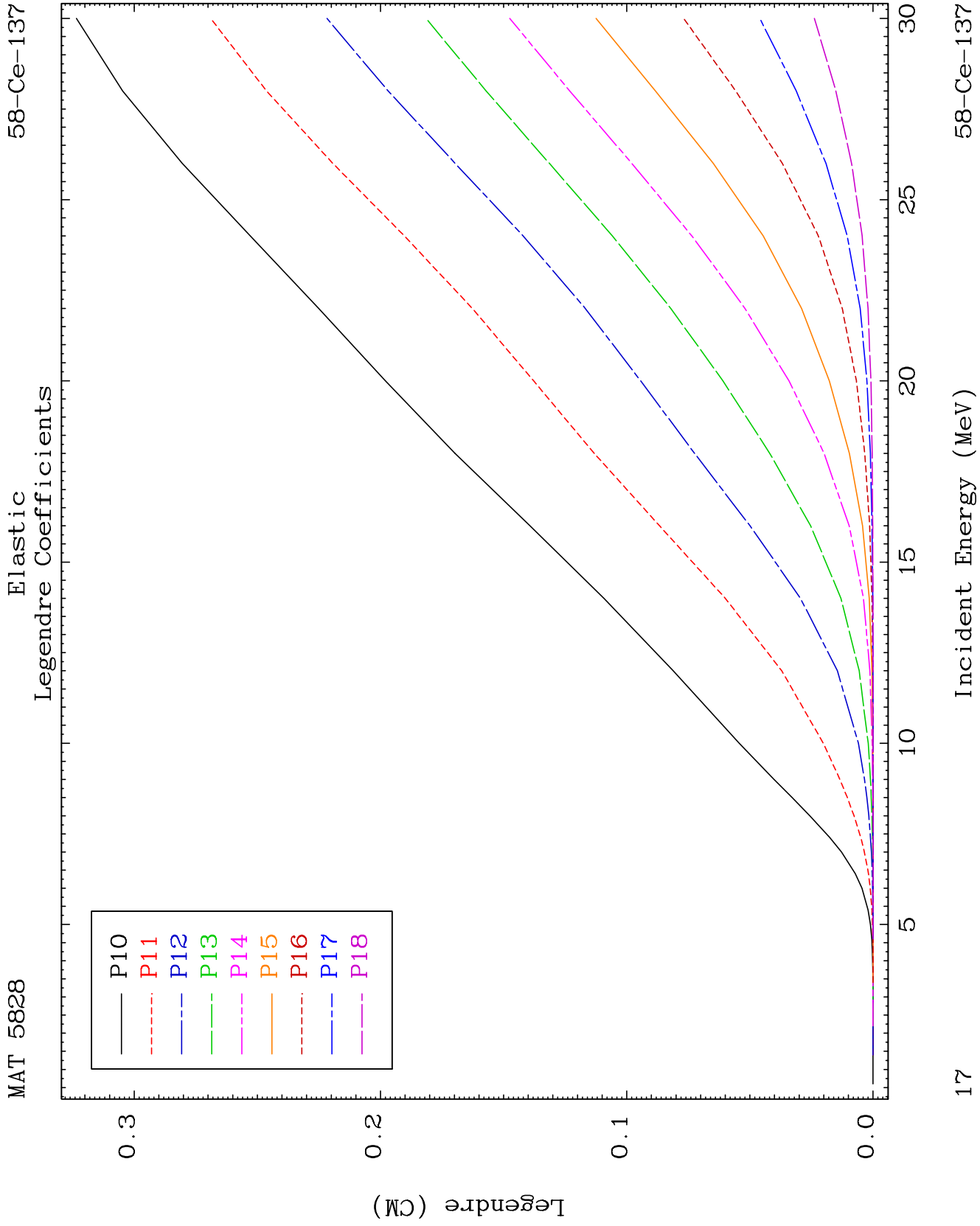
Incident Energy (MeV)

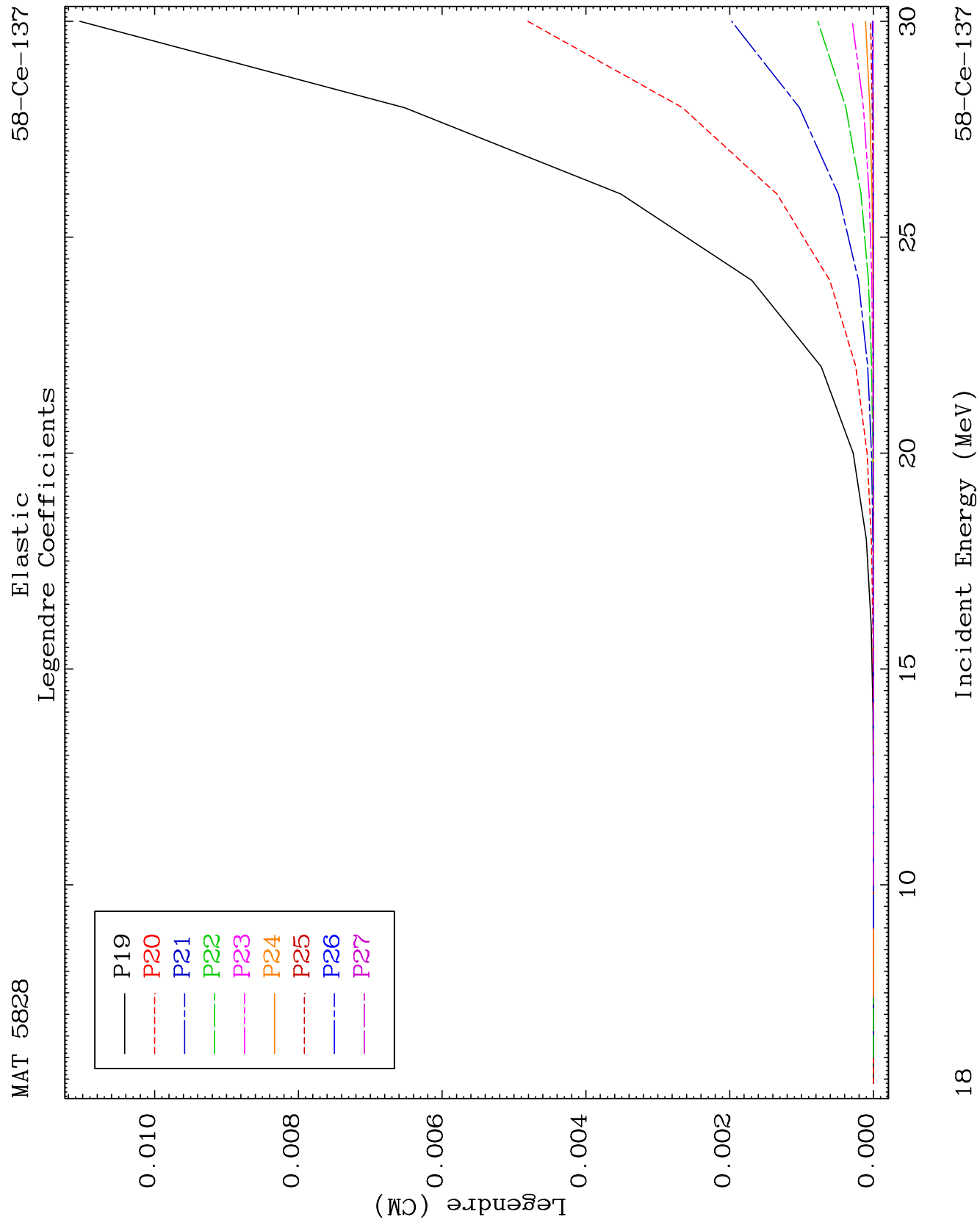
58-Ce-137

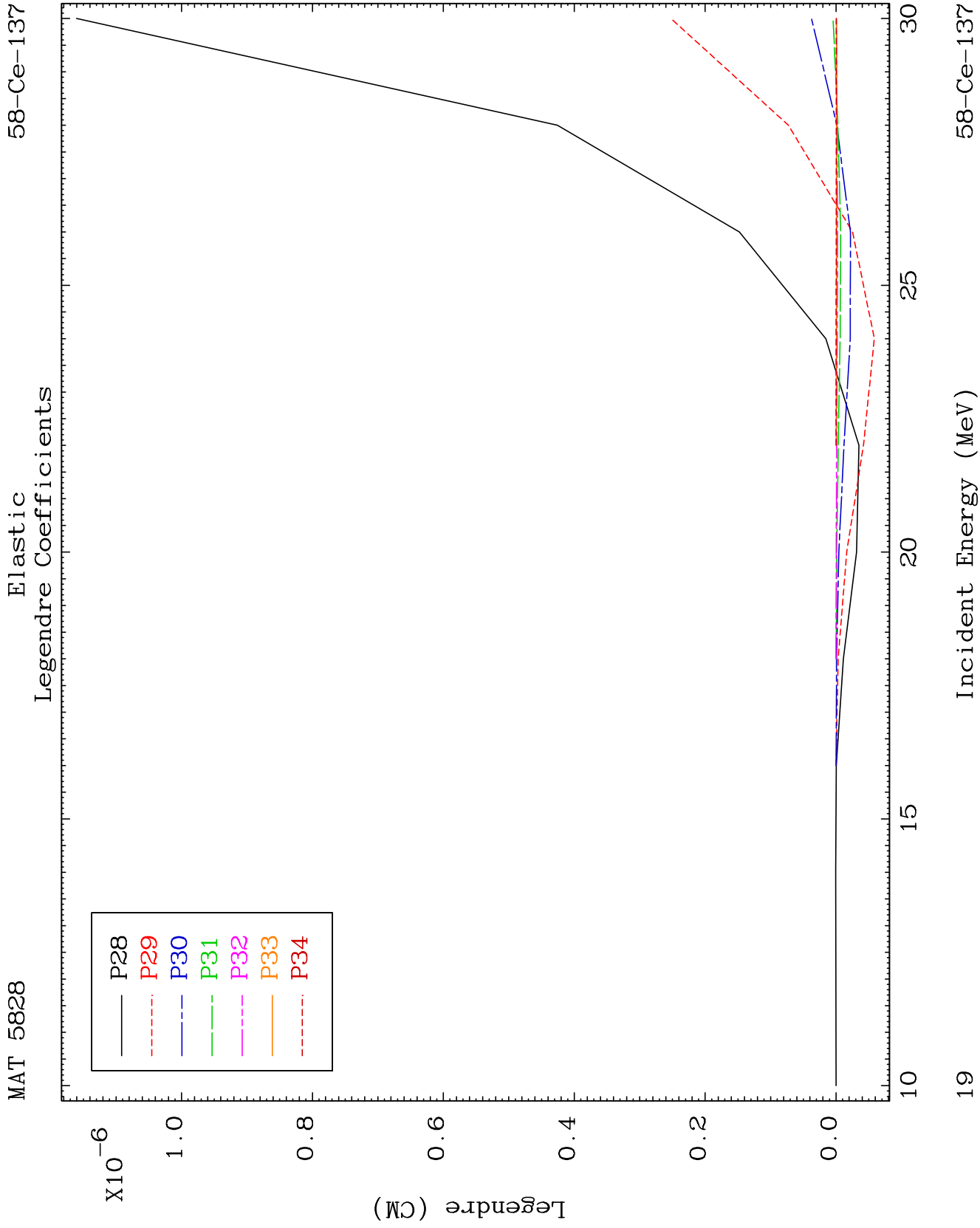


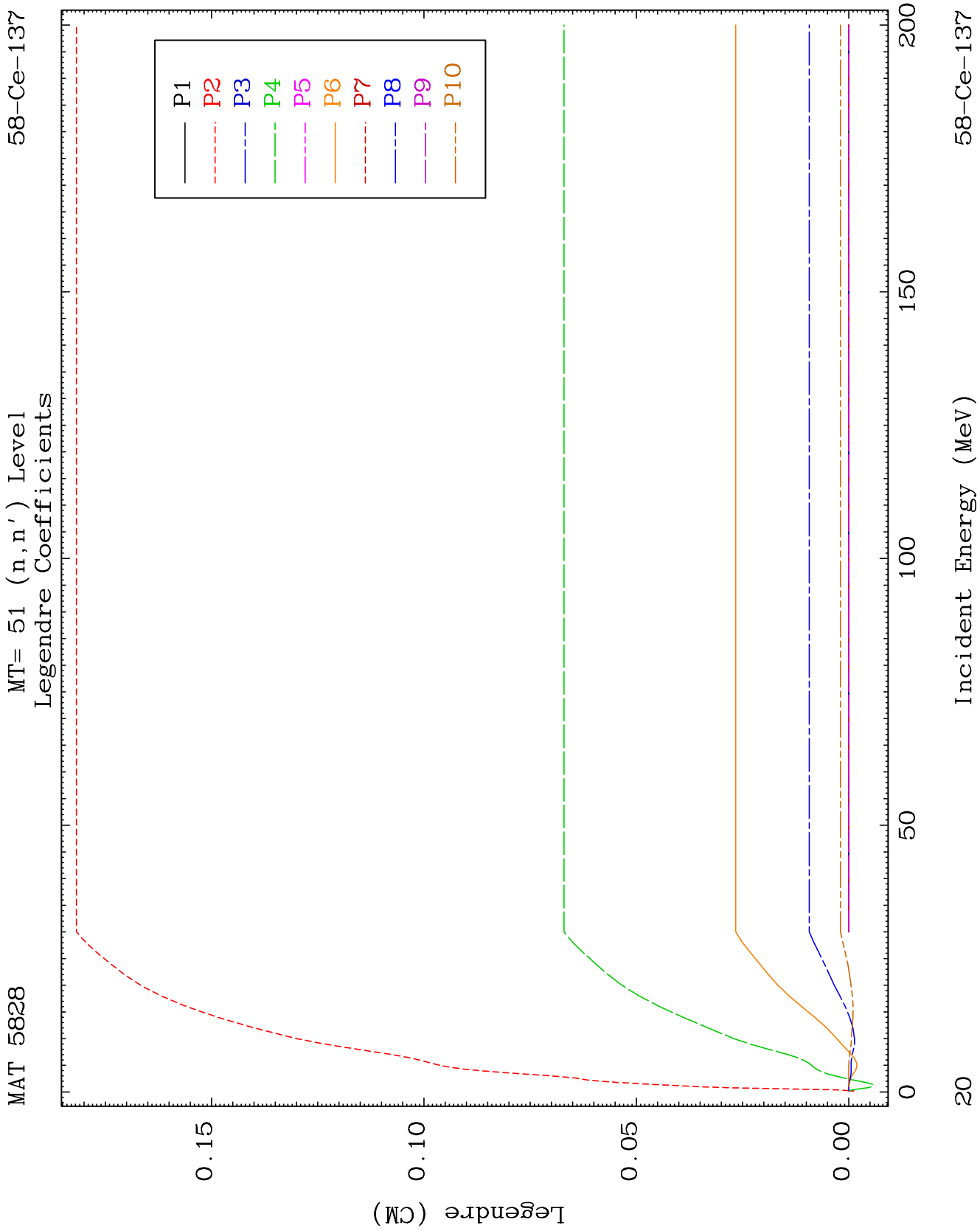


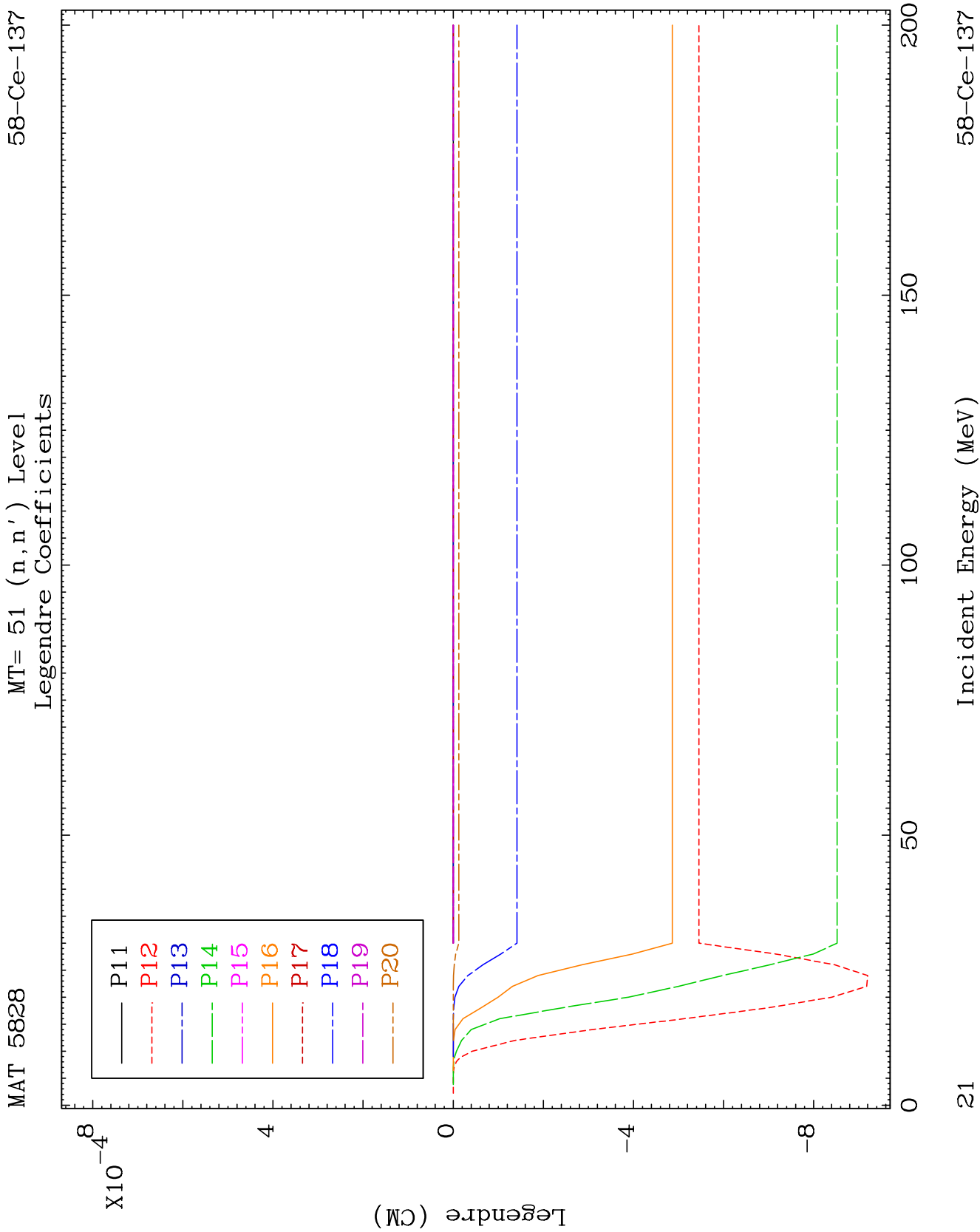


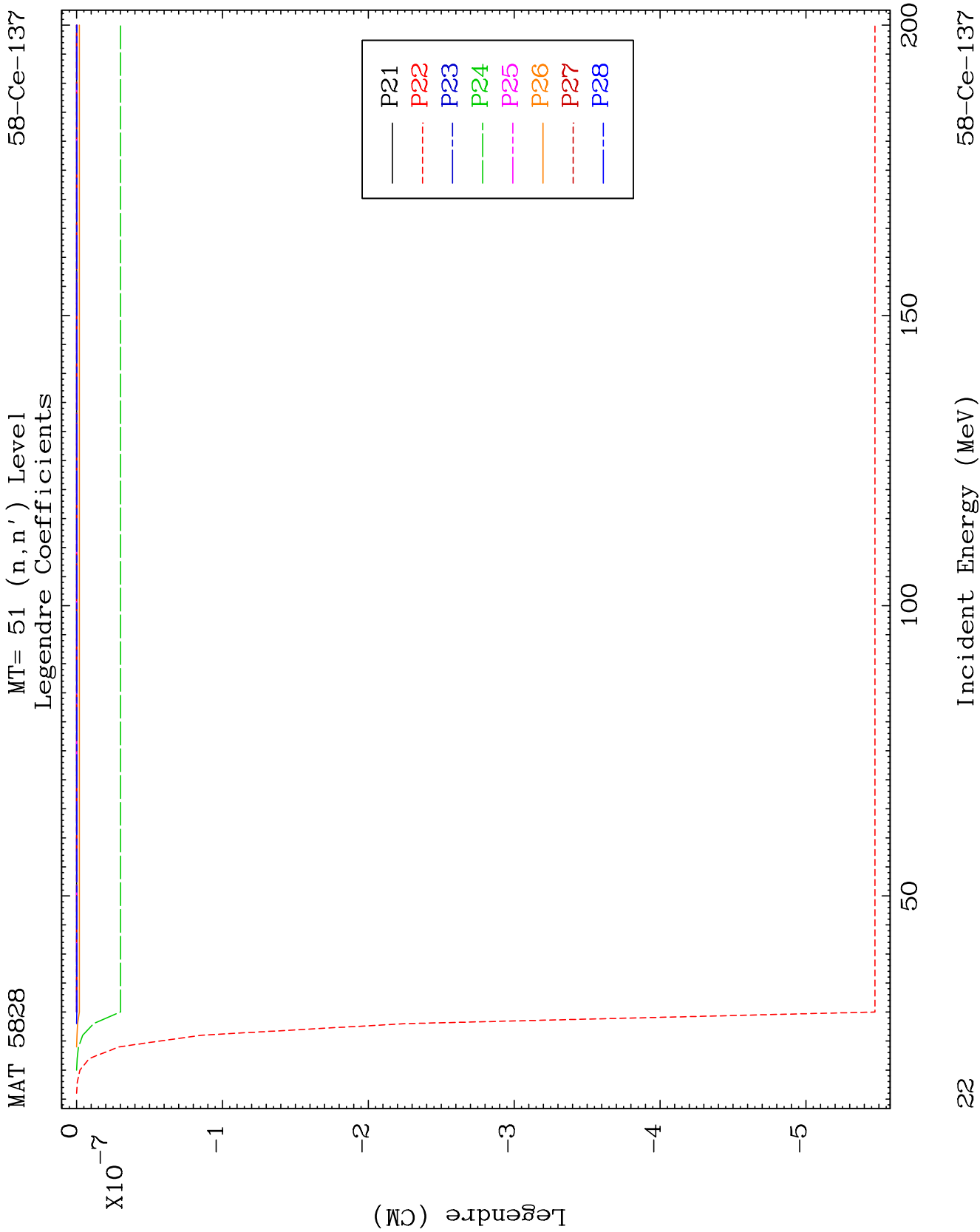








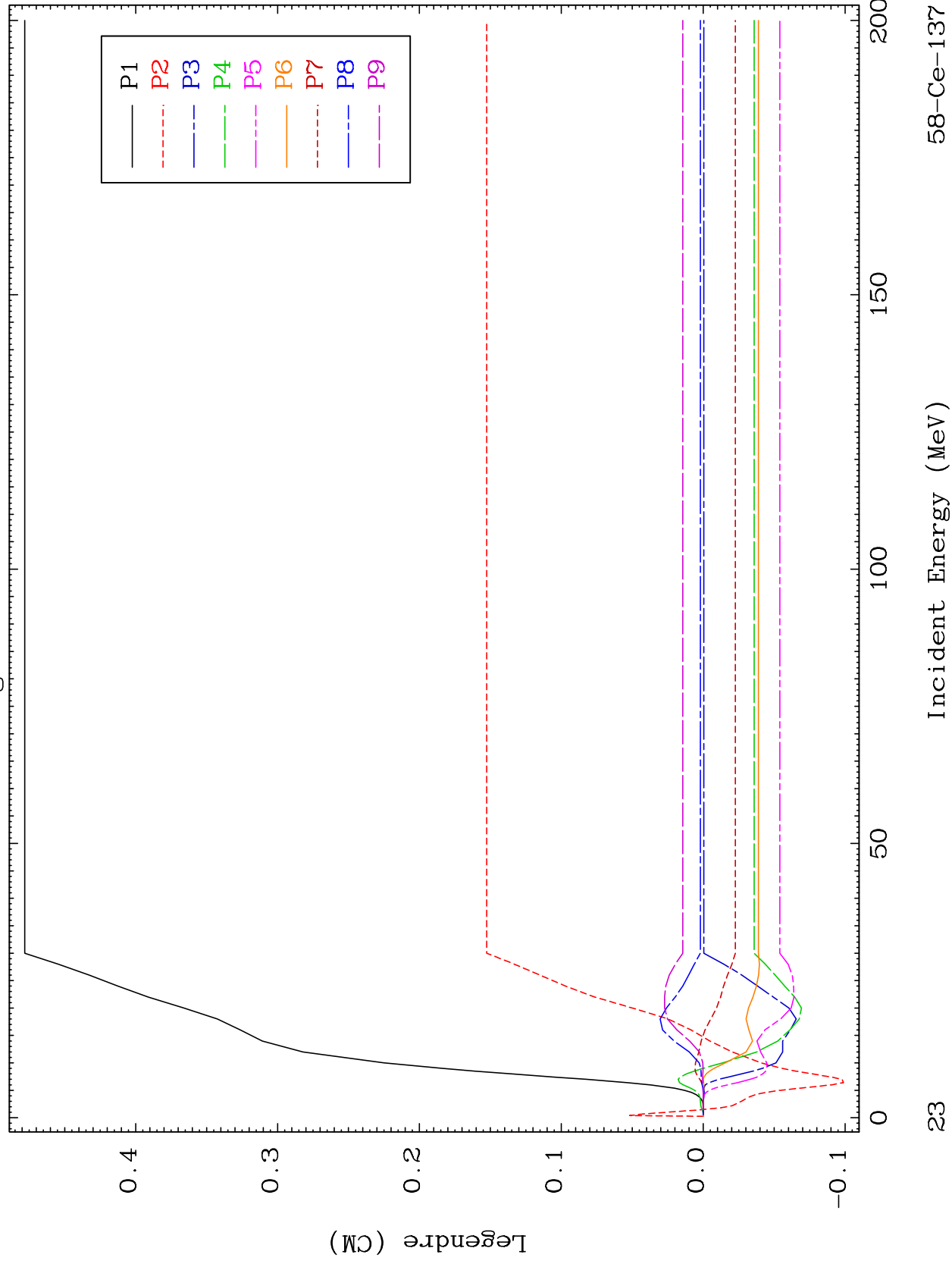




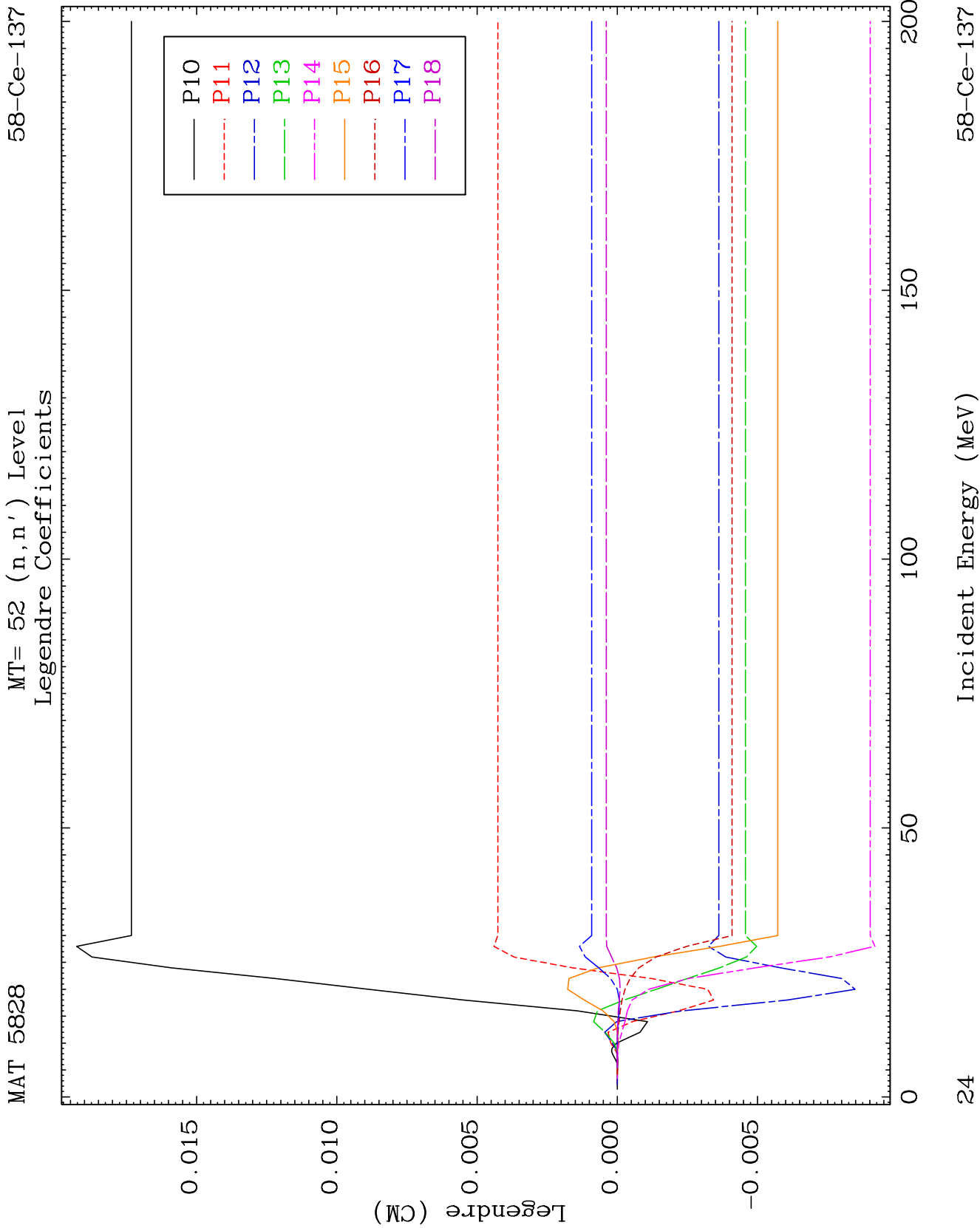
MAT 5828

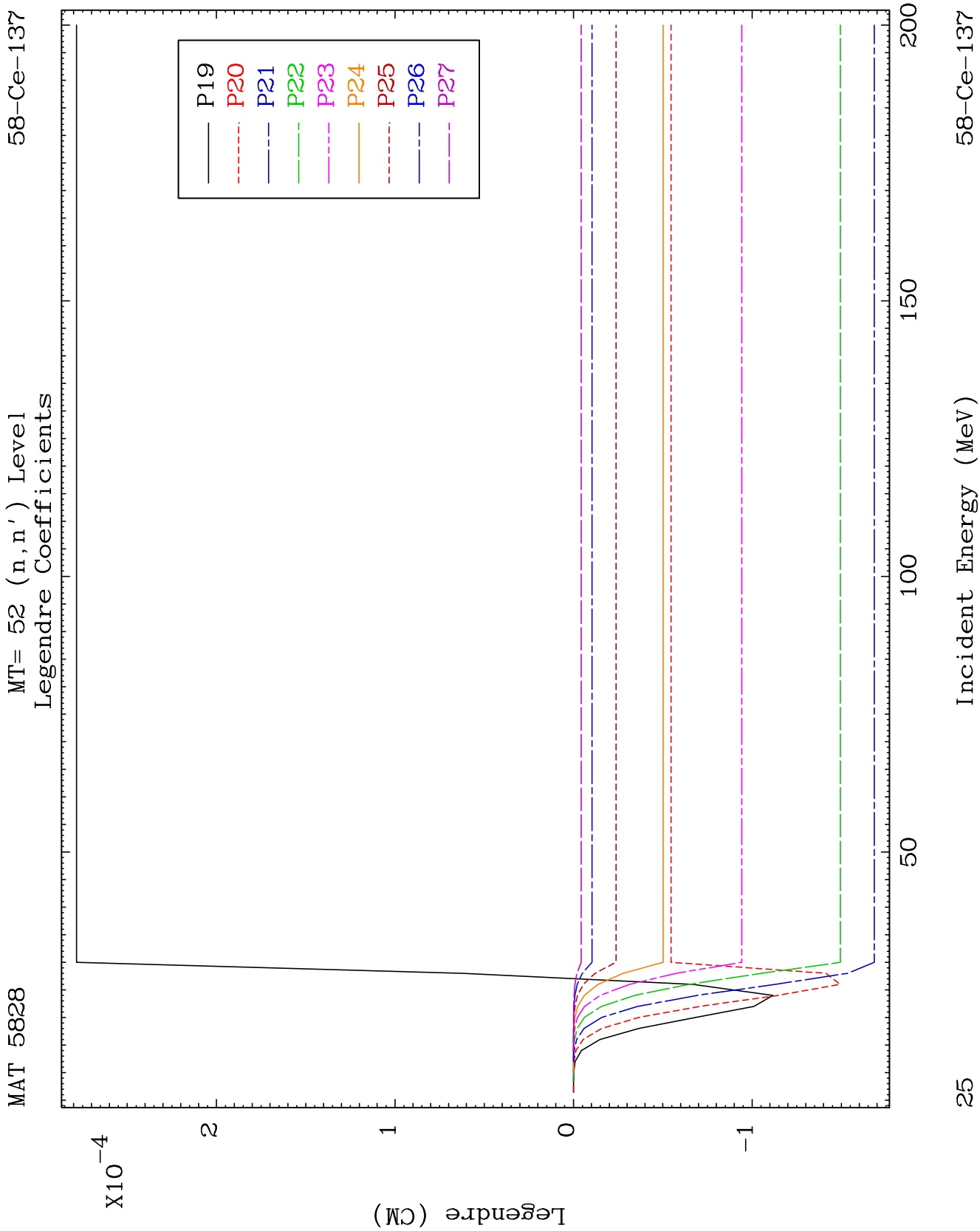
MT= 52 (n, n') Level  
Legendre Coefficients

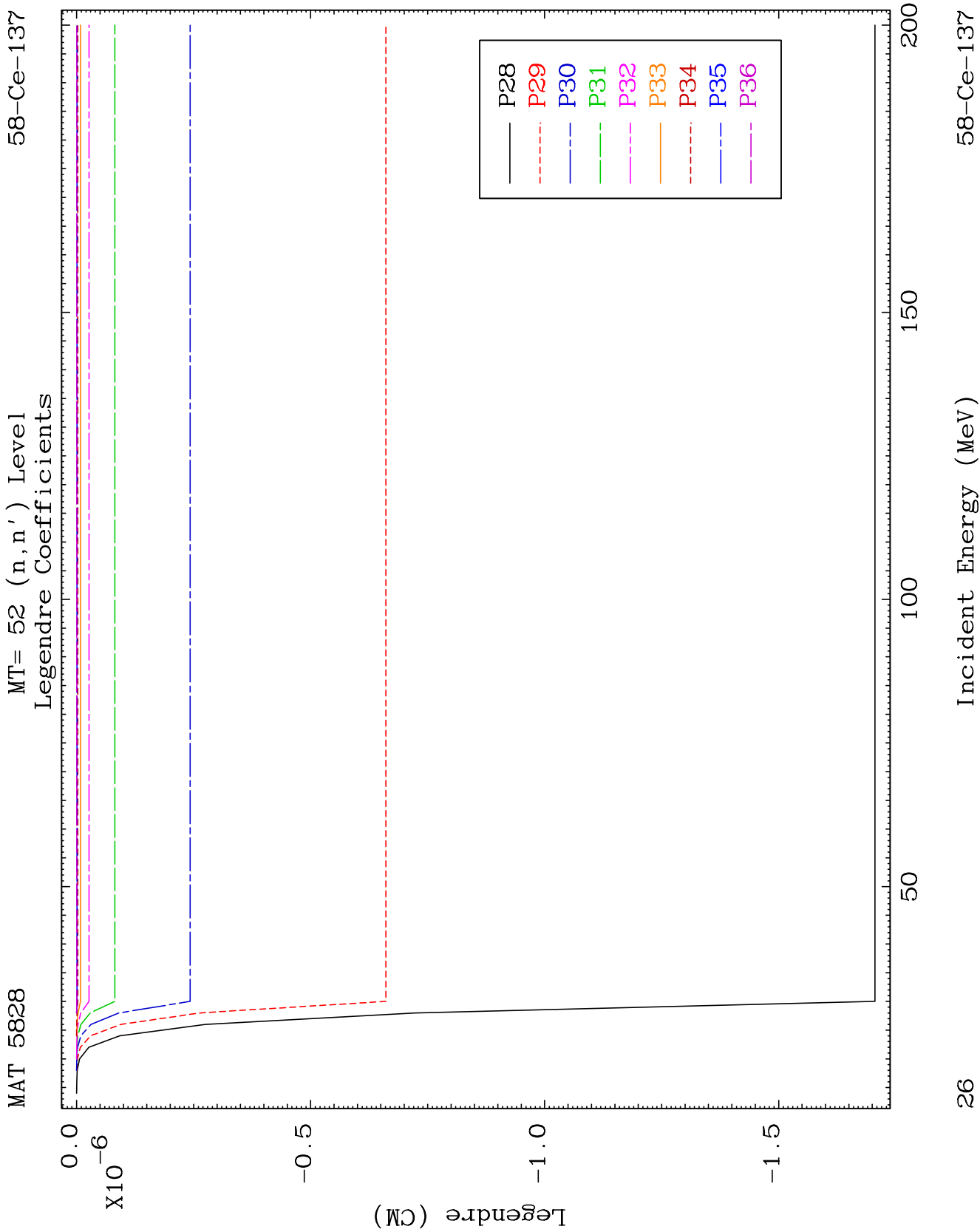
58-Ce-137







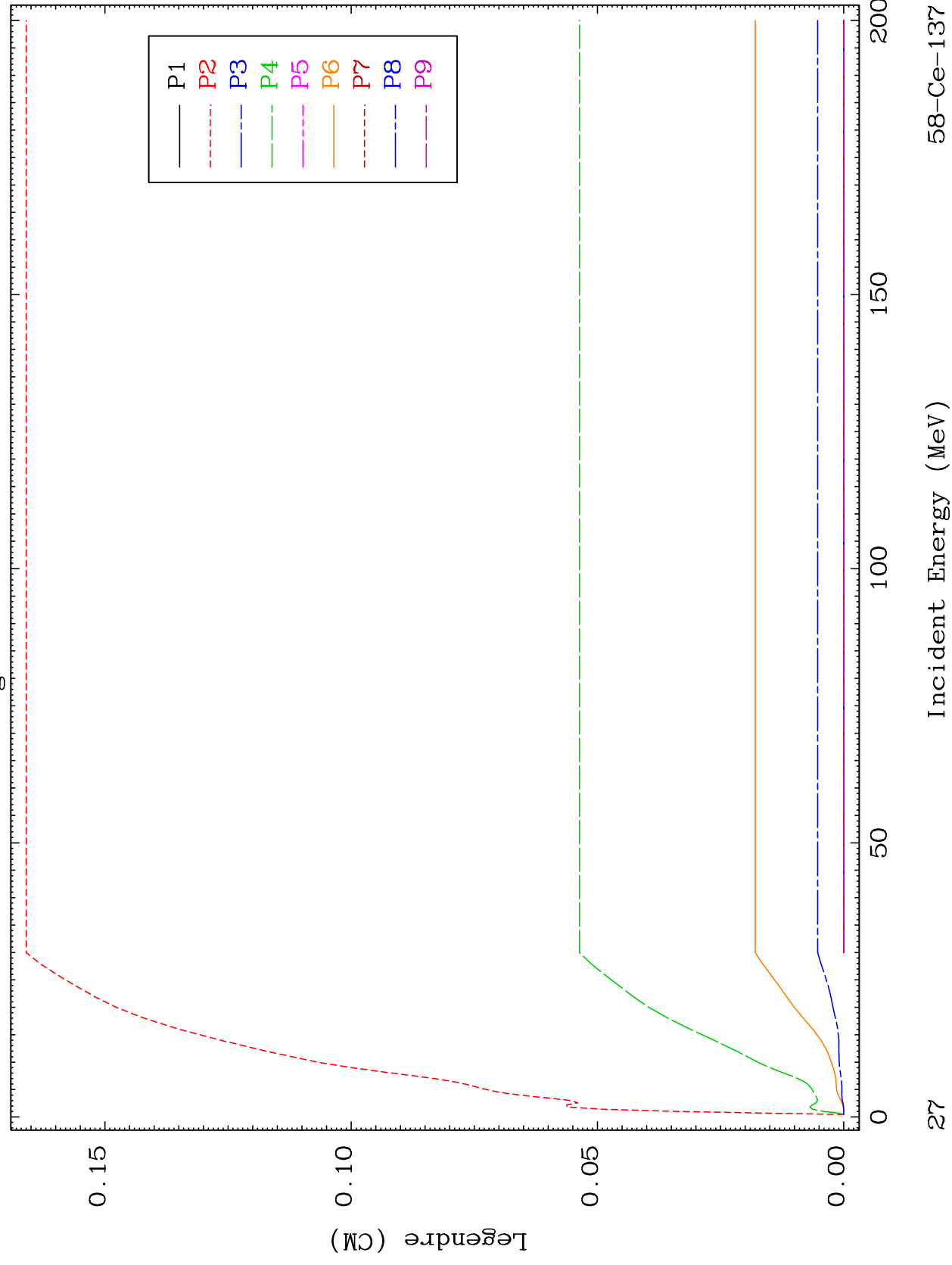


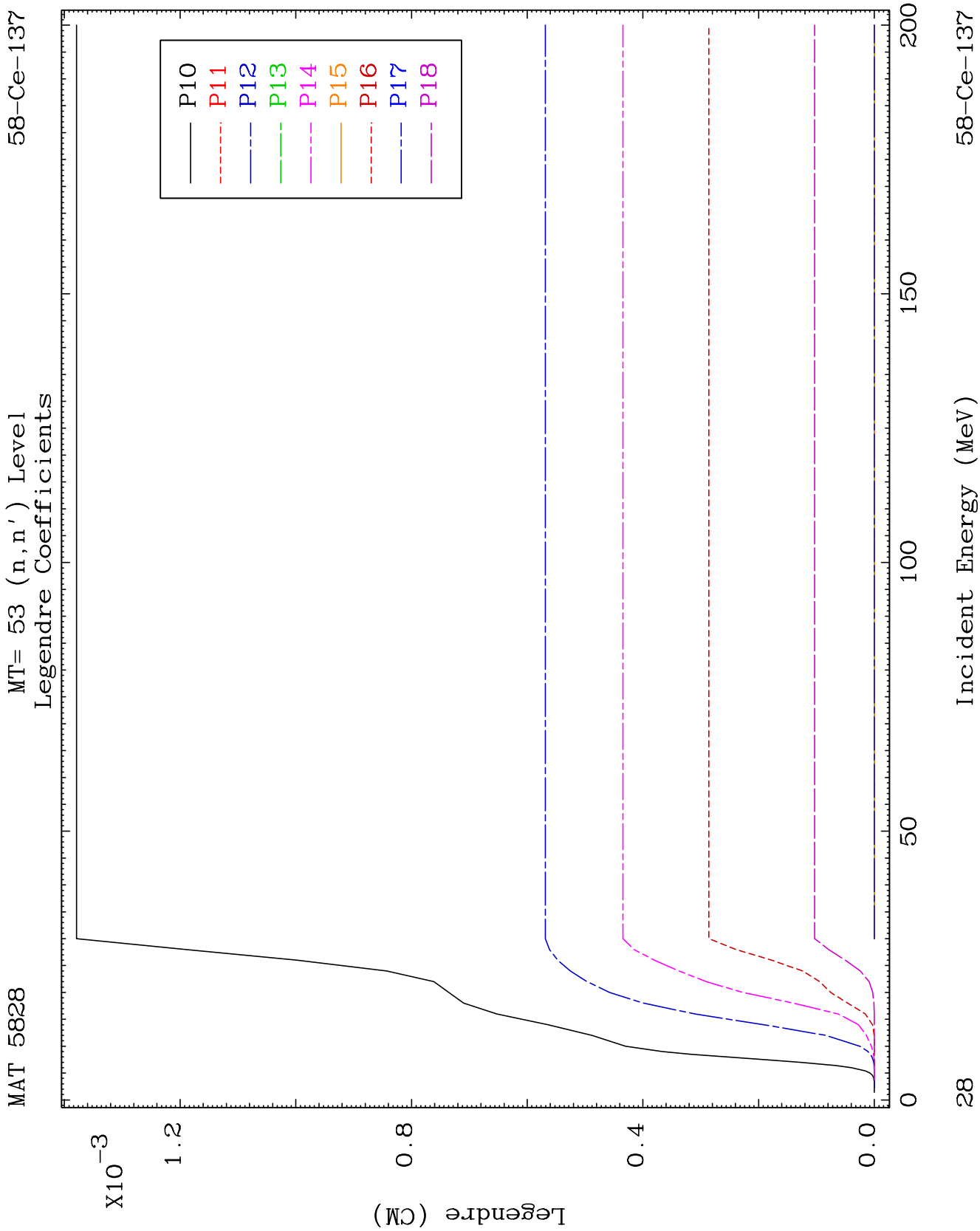


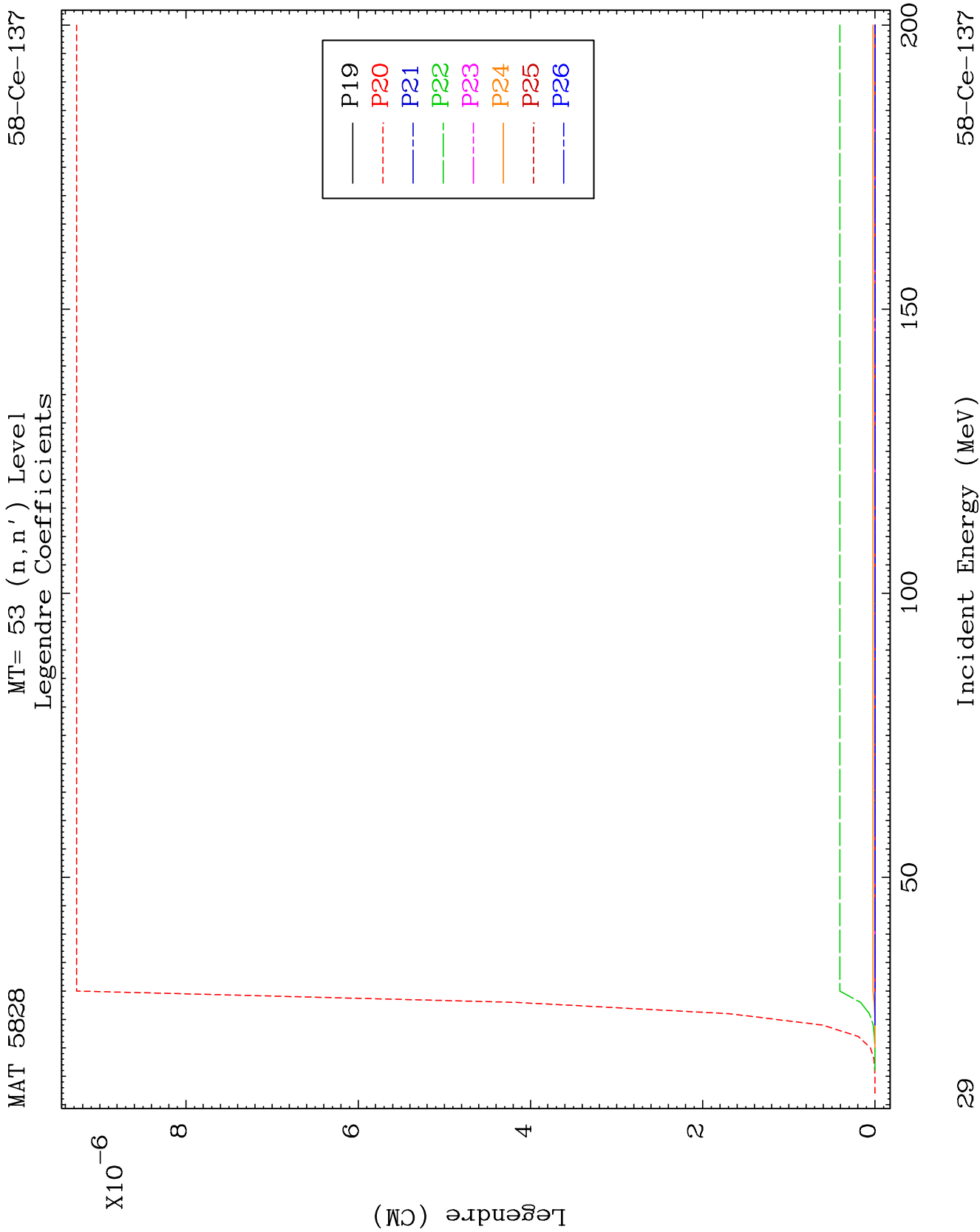
MAT 5828

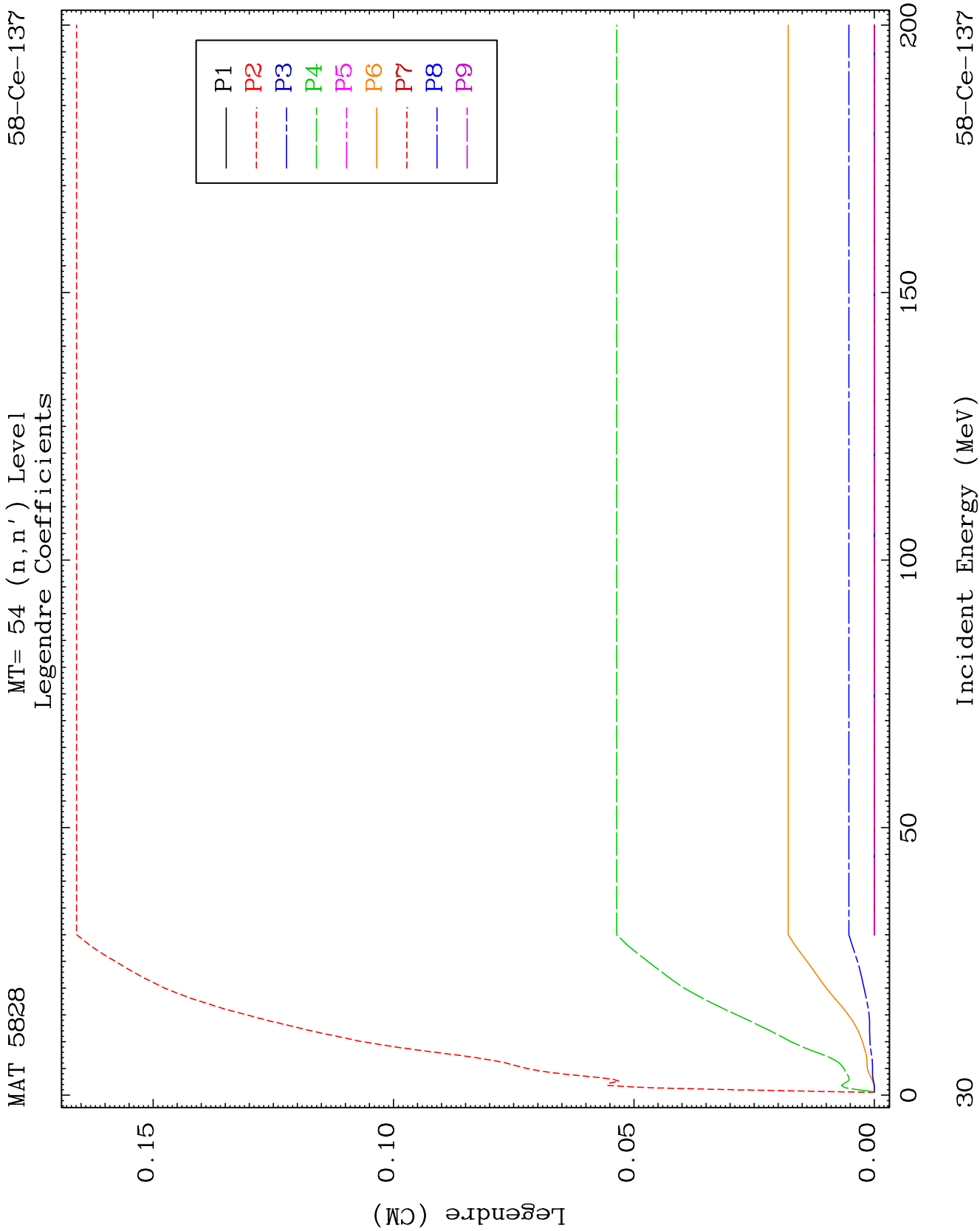
MT= 53 (n, n') Level  
Legendre Coefficients

58-Ce-137





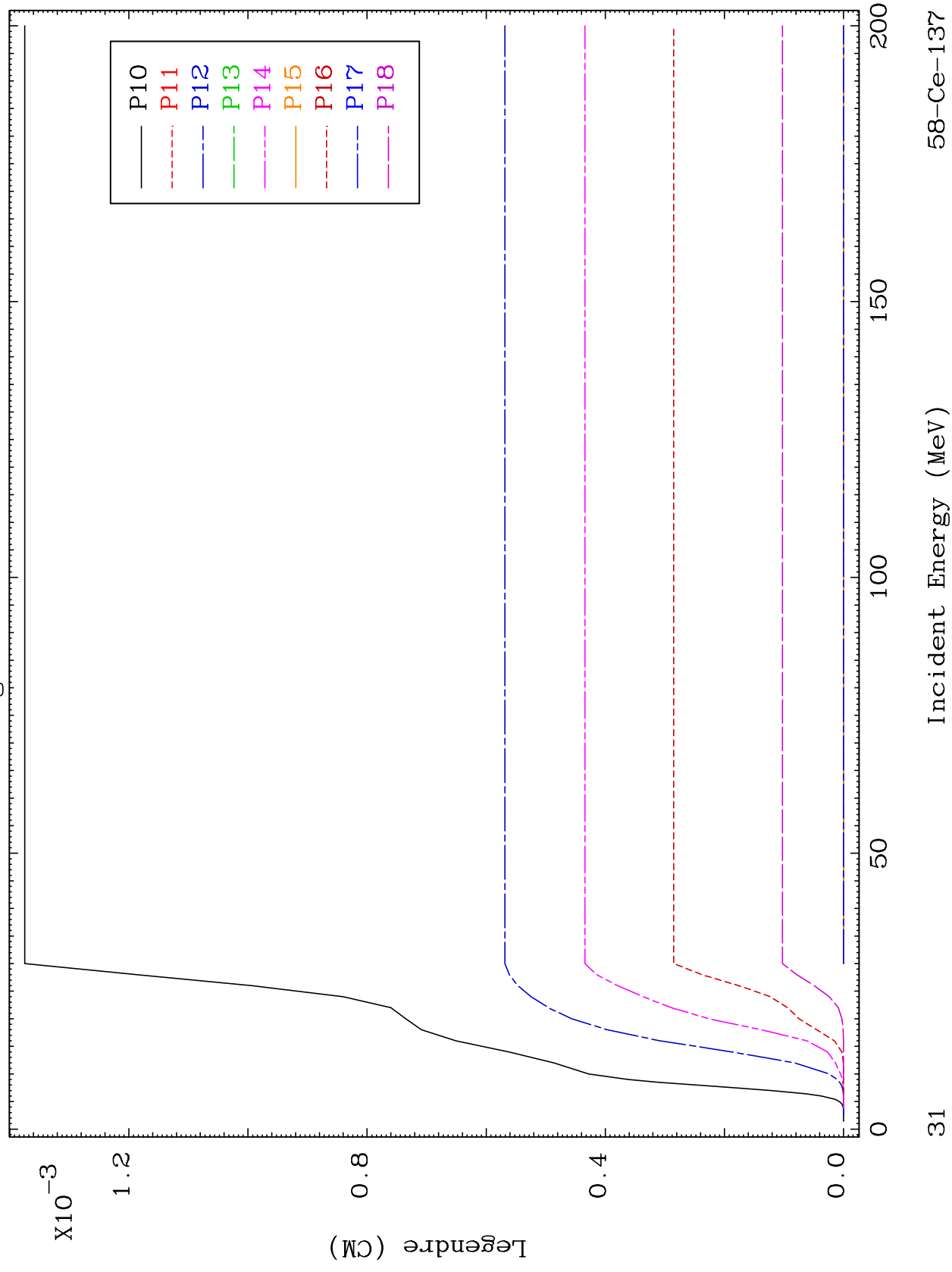




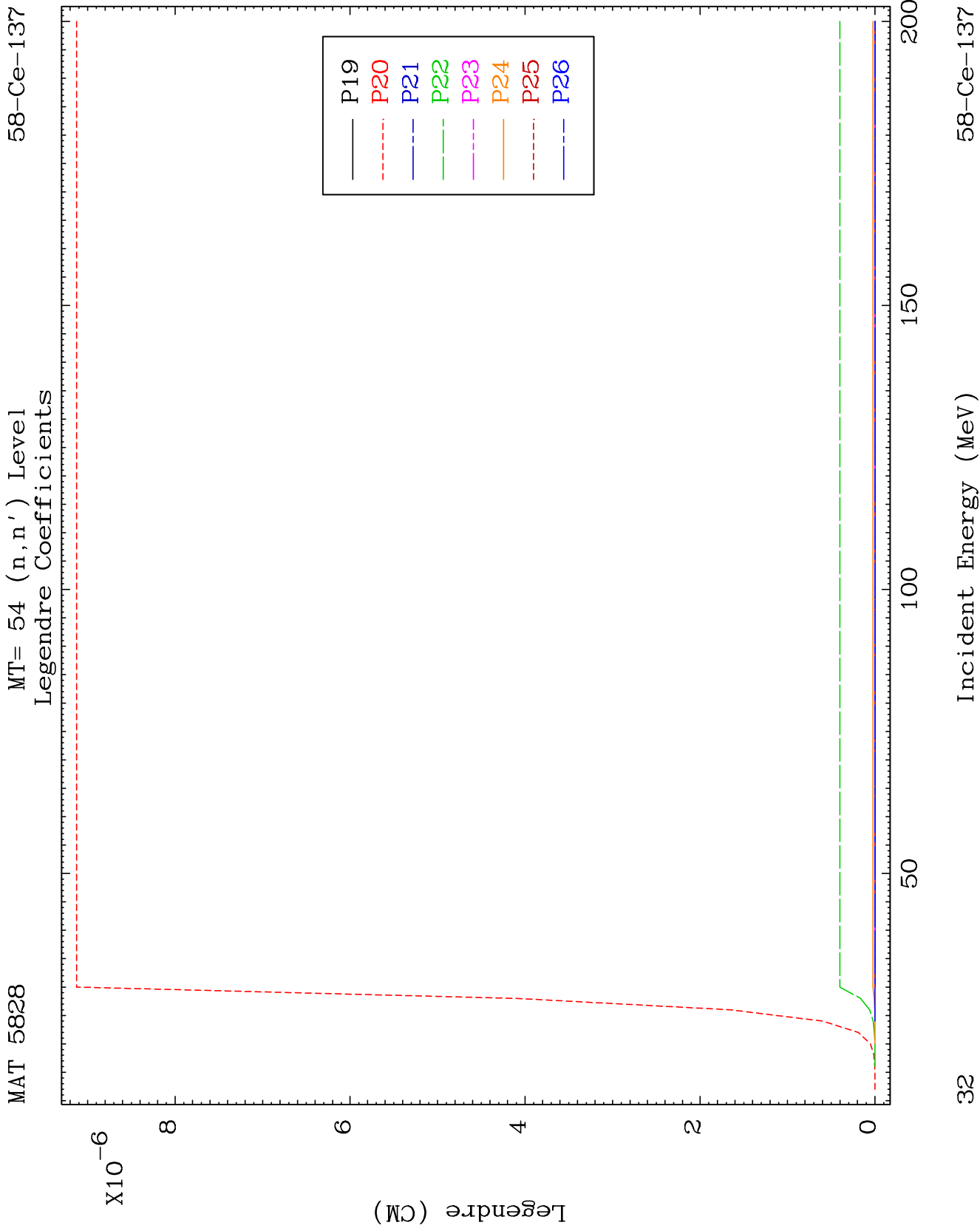
MAT 5828

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

58-Ce-137





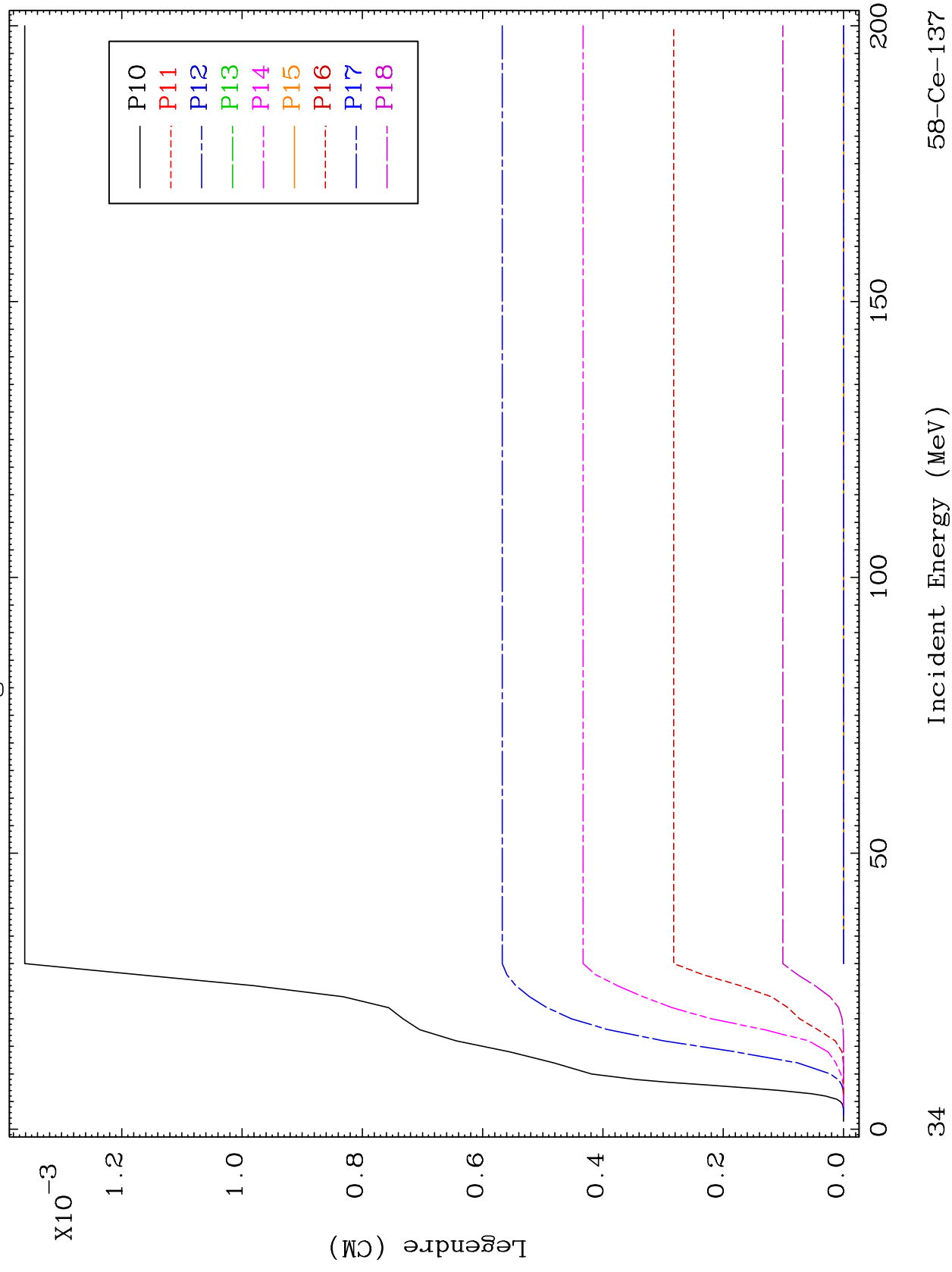




MAT 5828

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

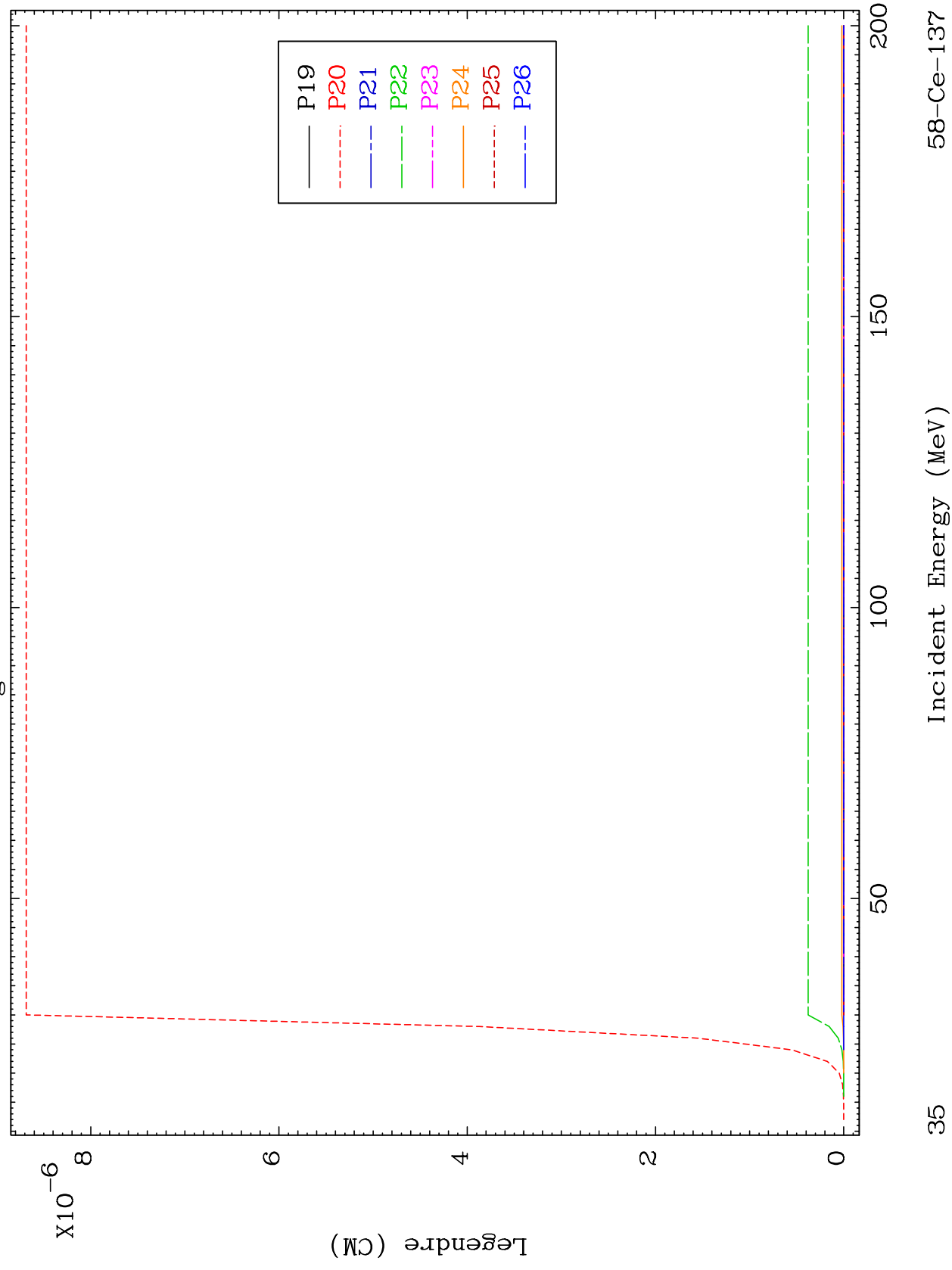
58-Ce-137



MAT 5828

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

58-Ce-137

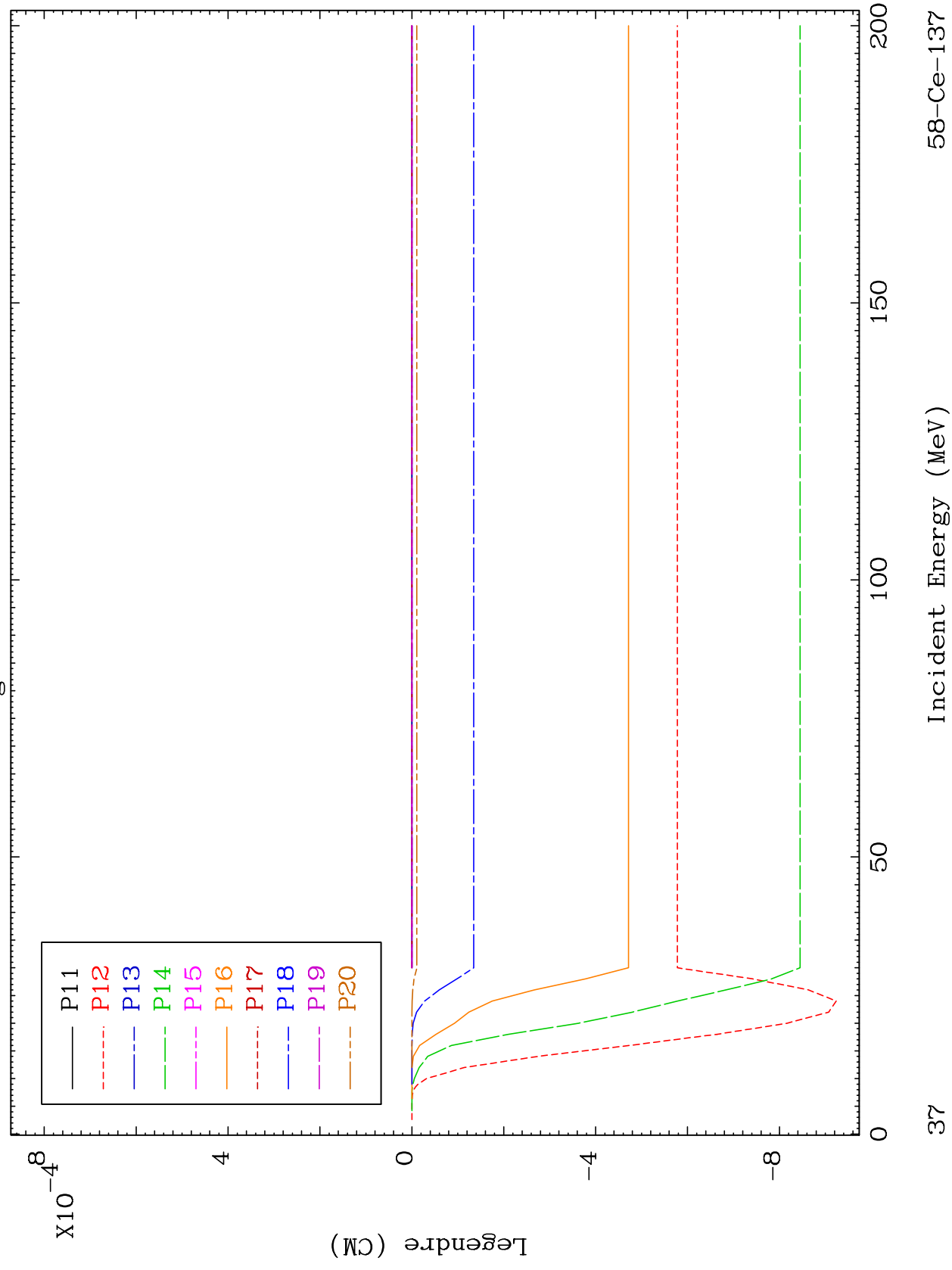


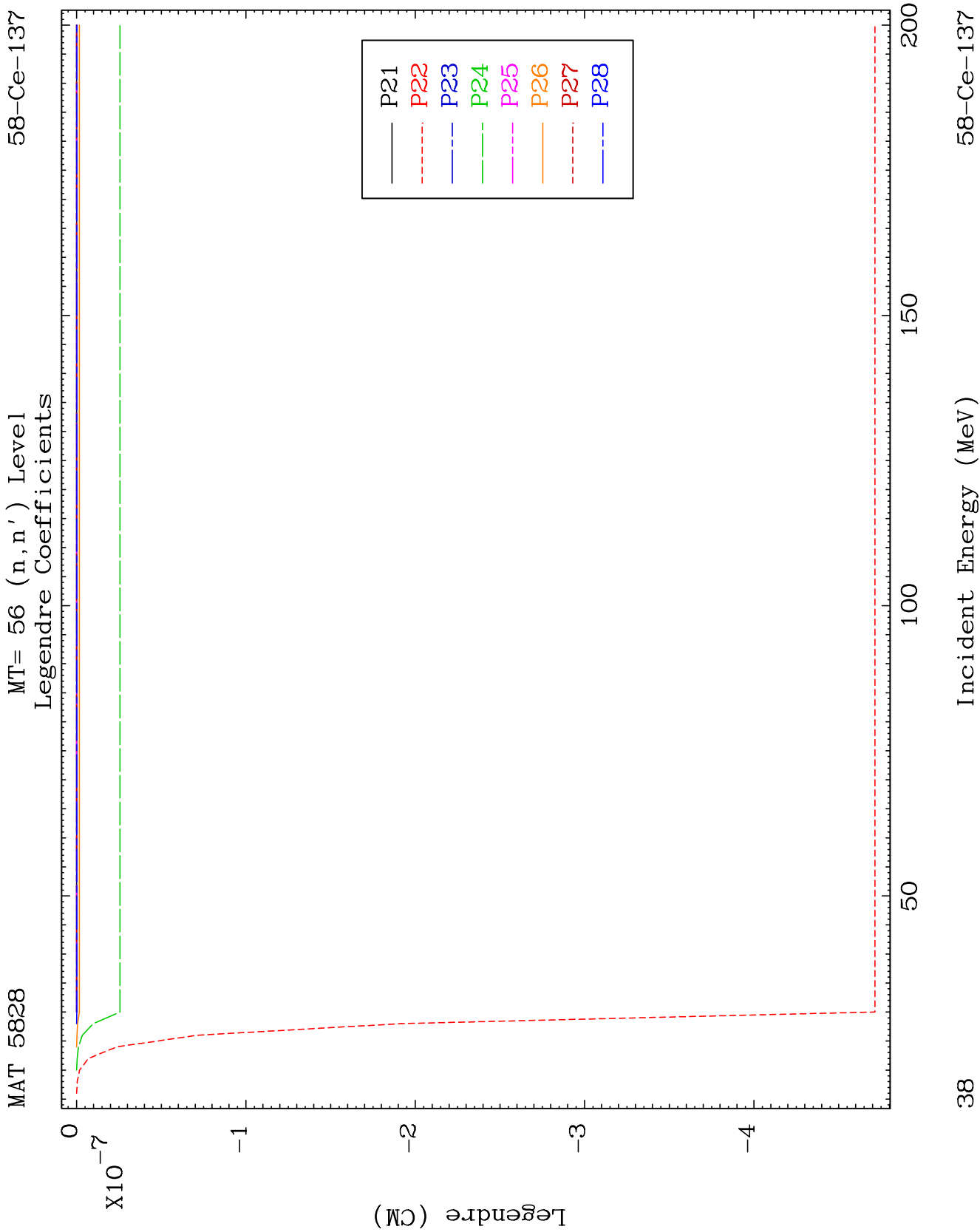


MAT 5828

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

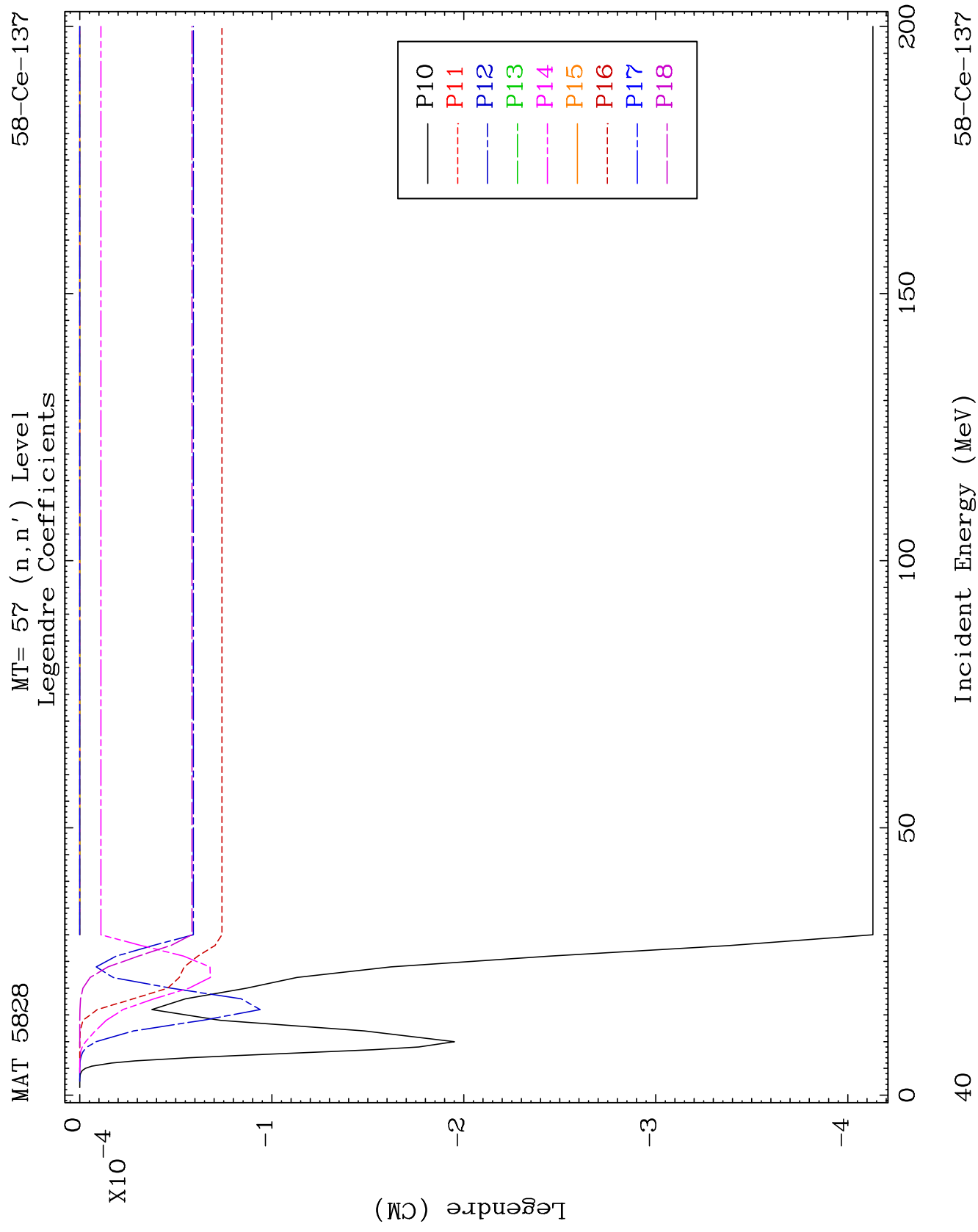
58-Ce-137

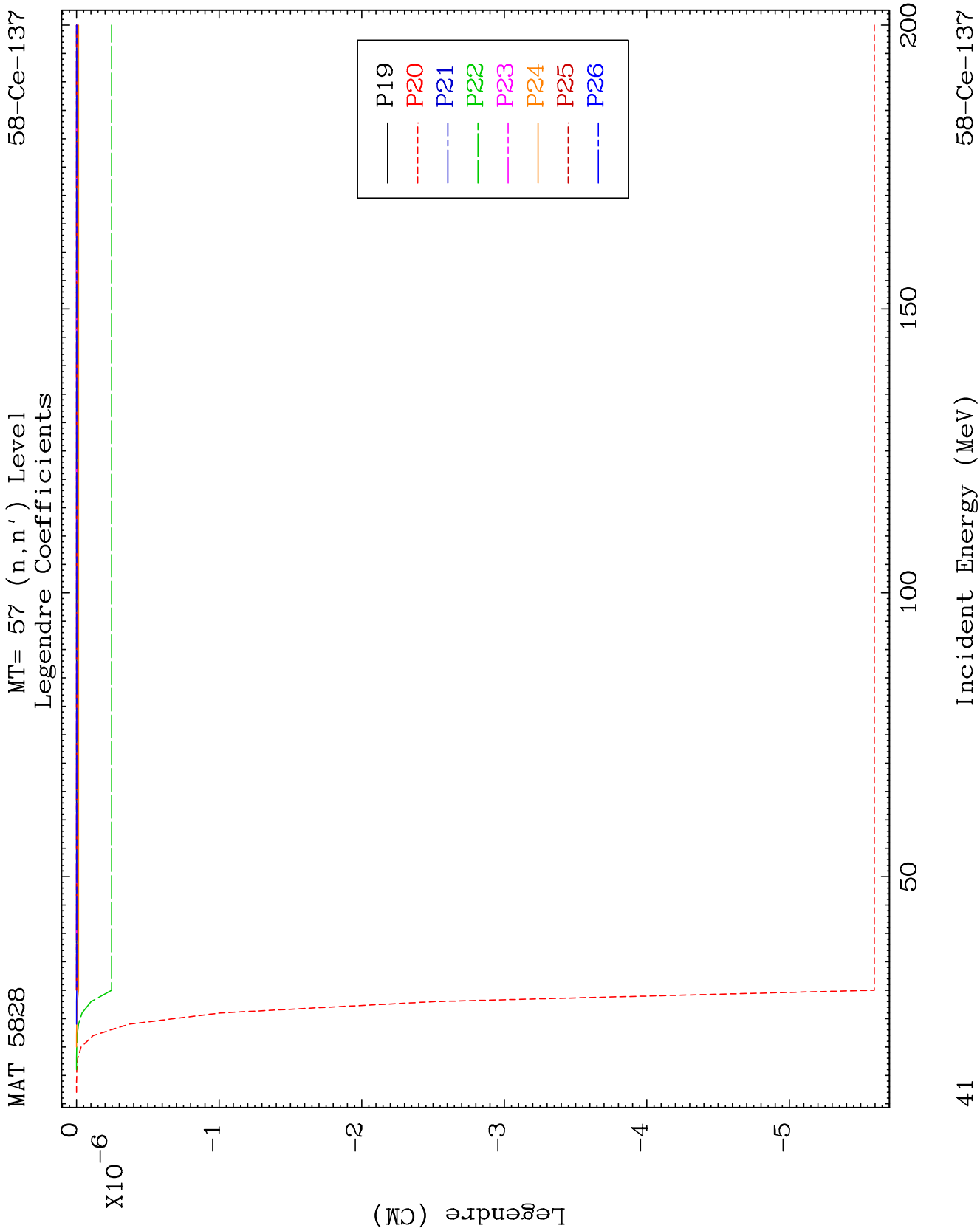








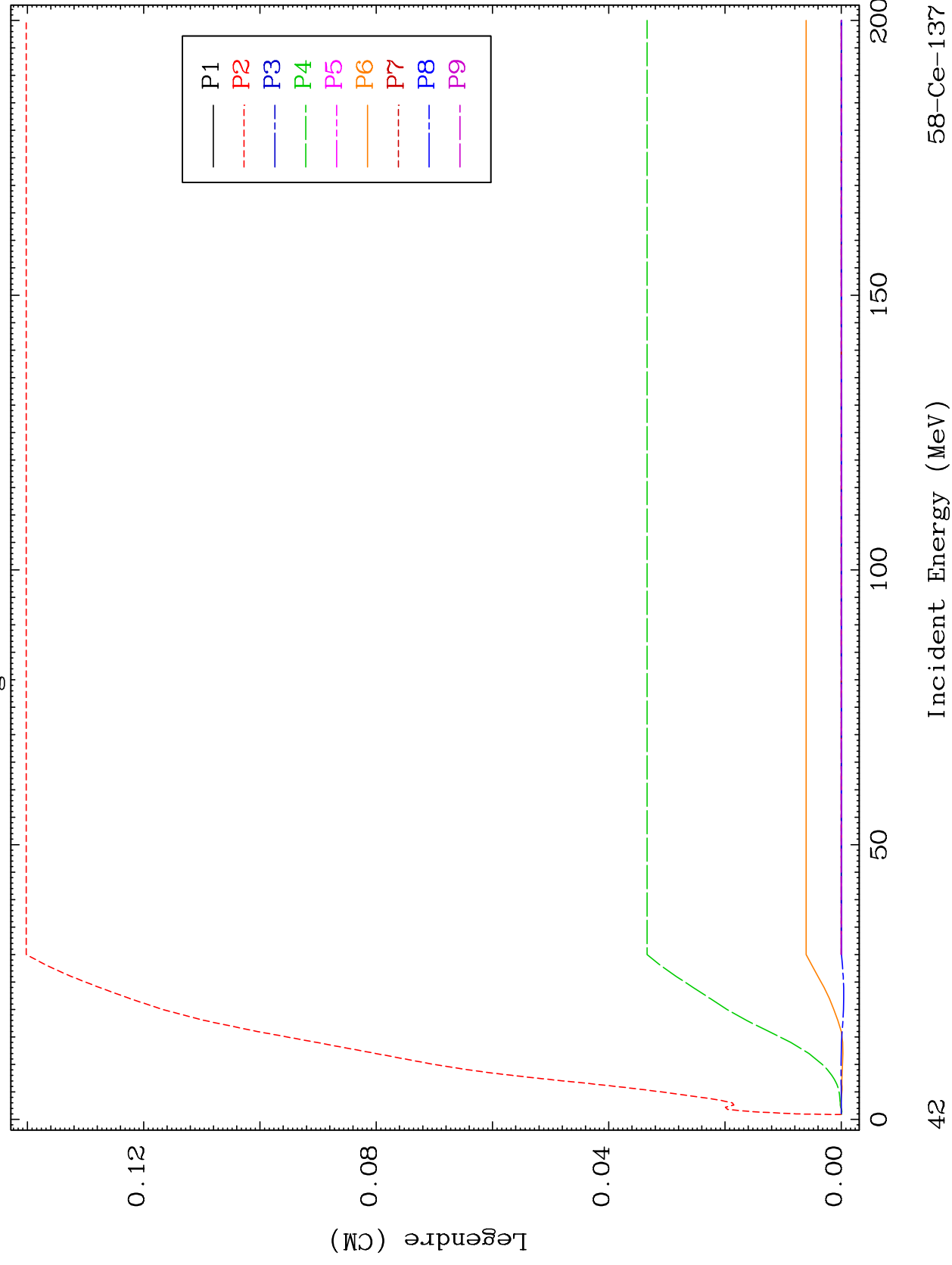


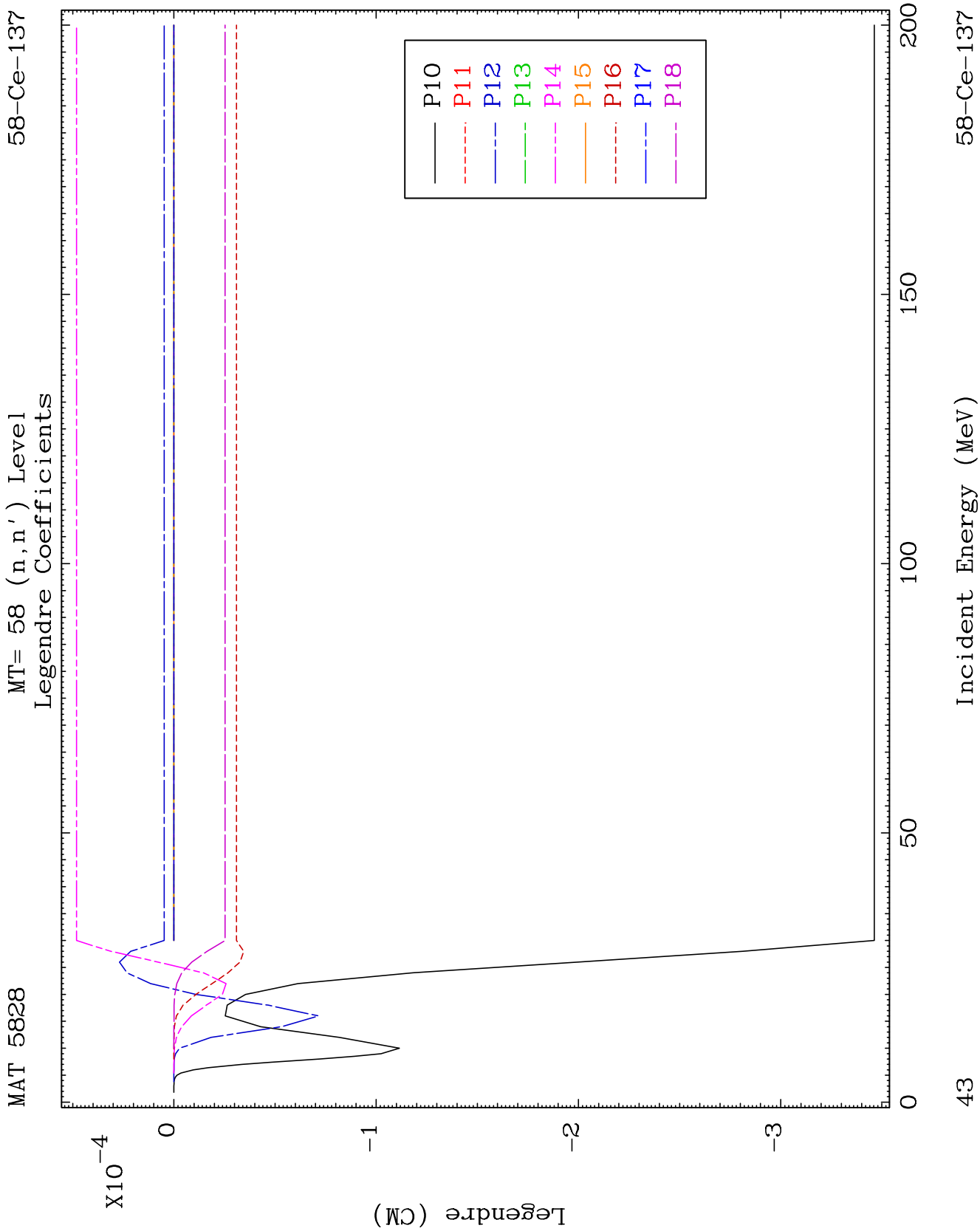


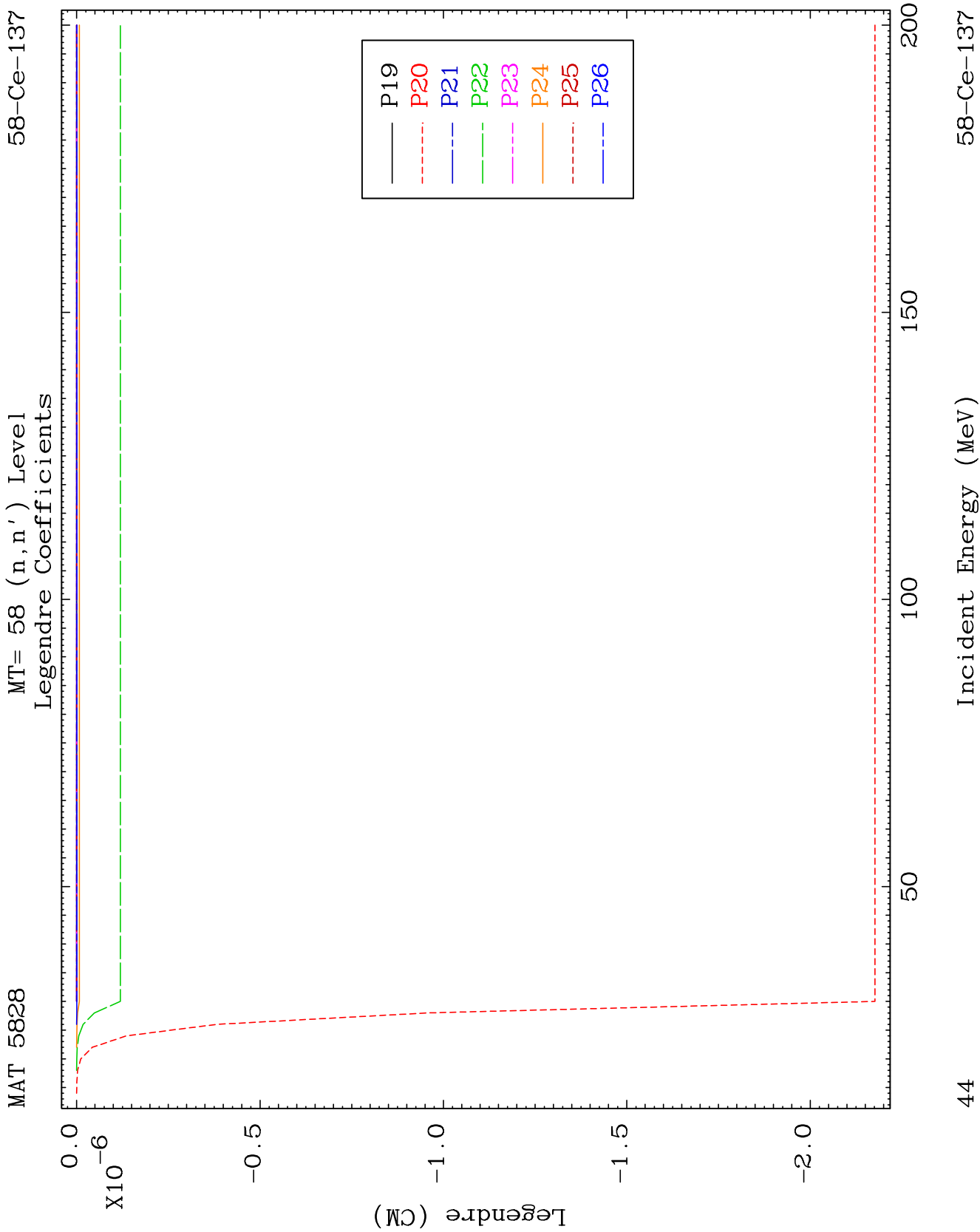
MAT 5828

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

58-Ce-137



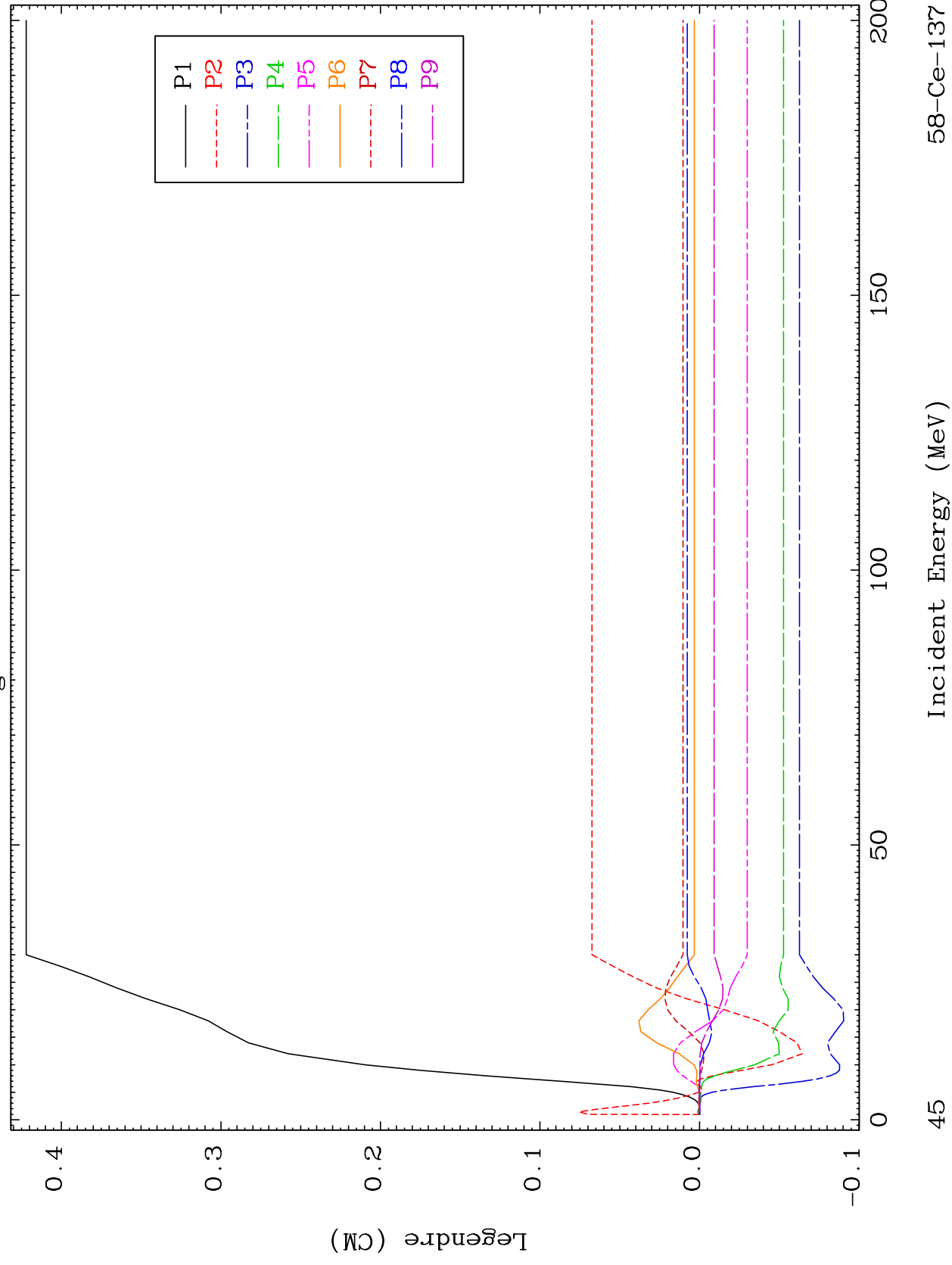




MAT 5828

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

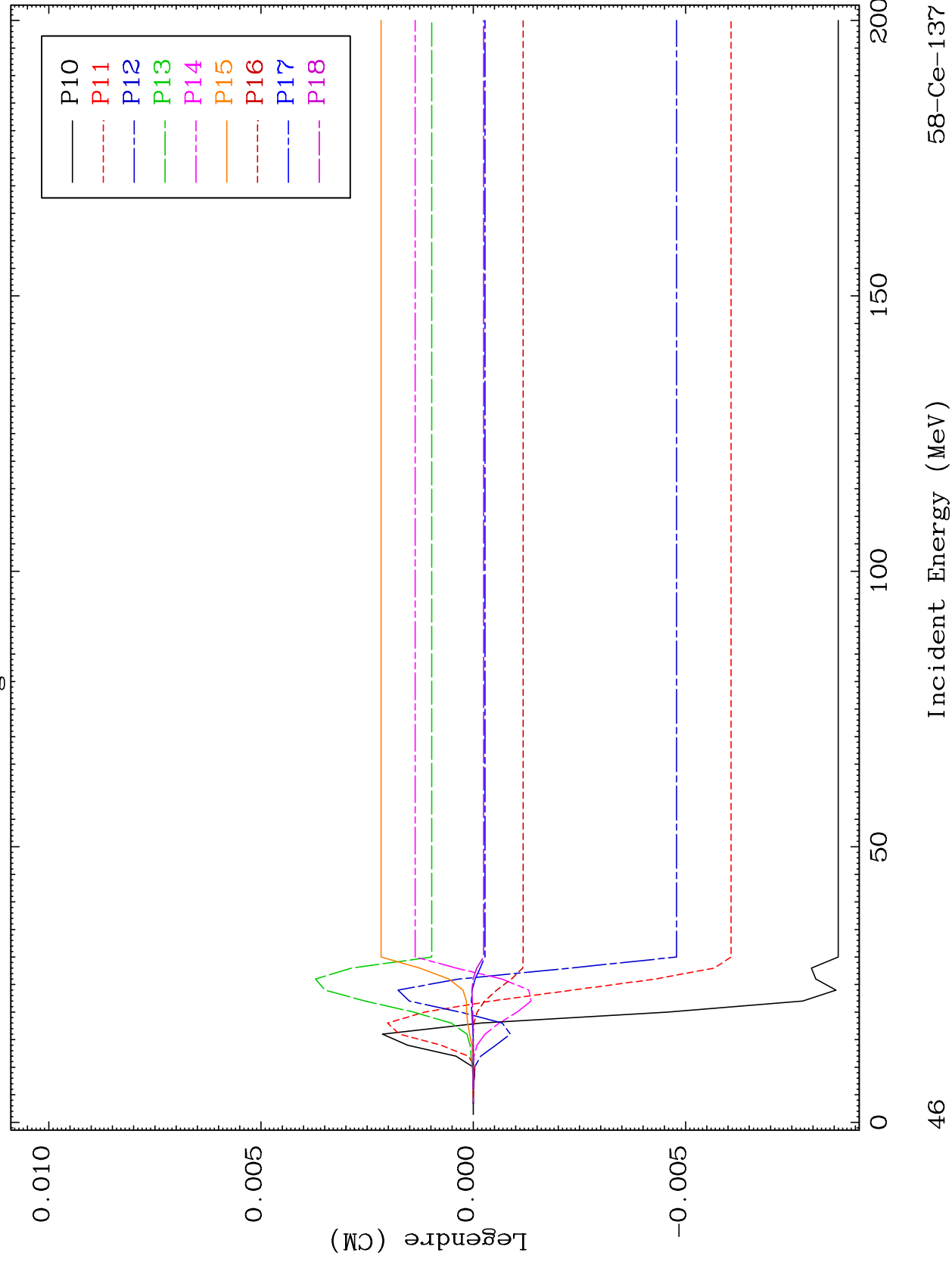
58-Ce-137

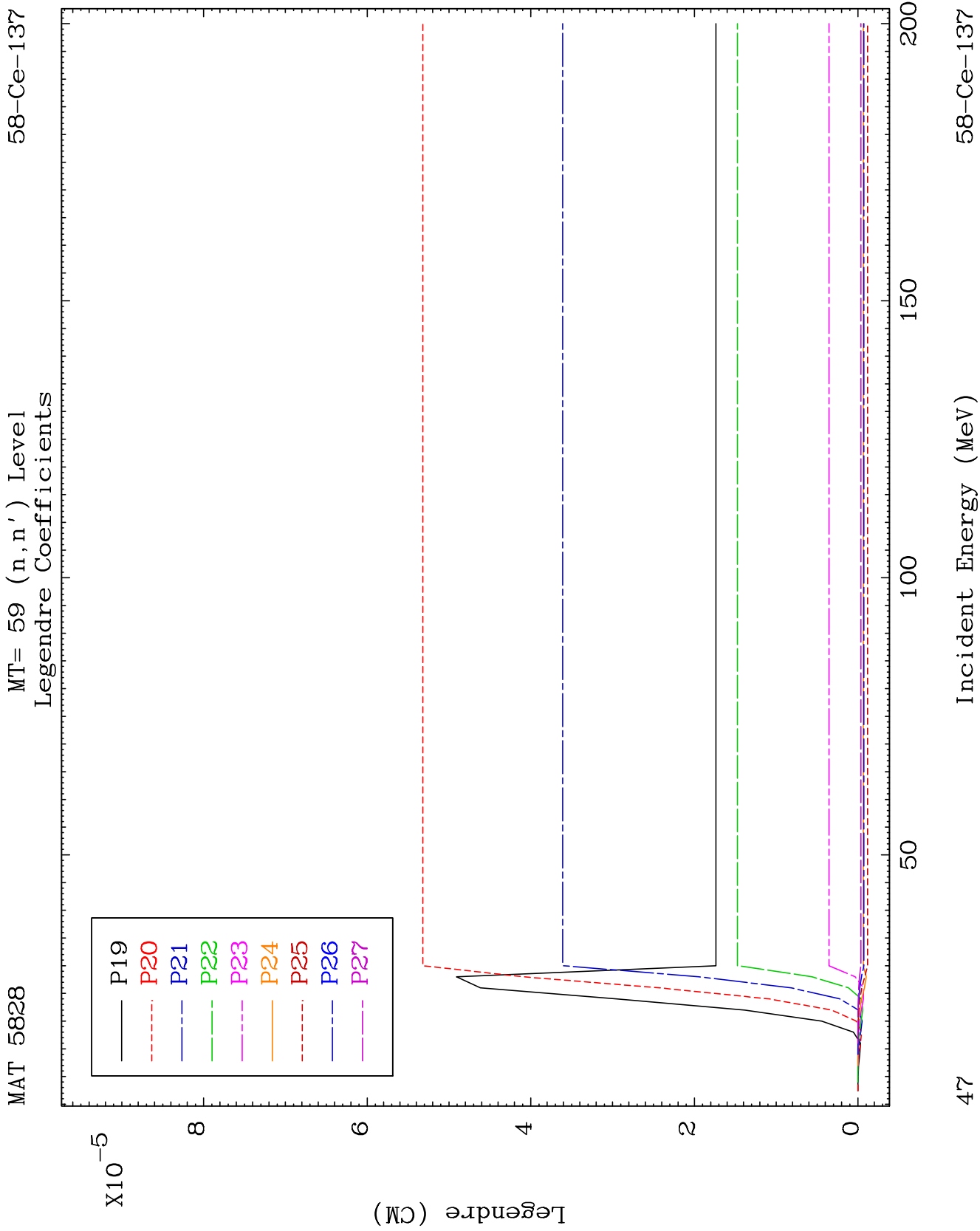


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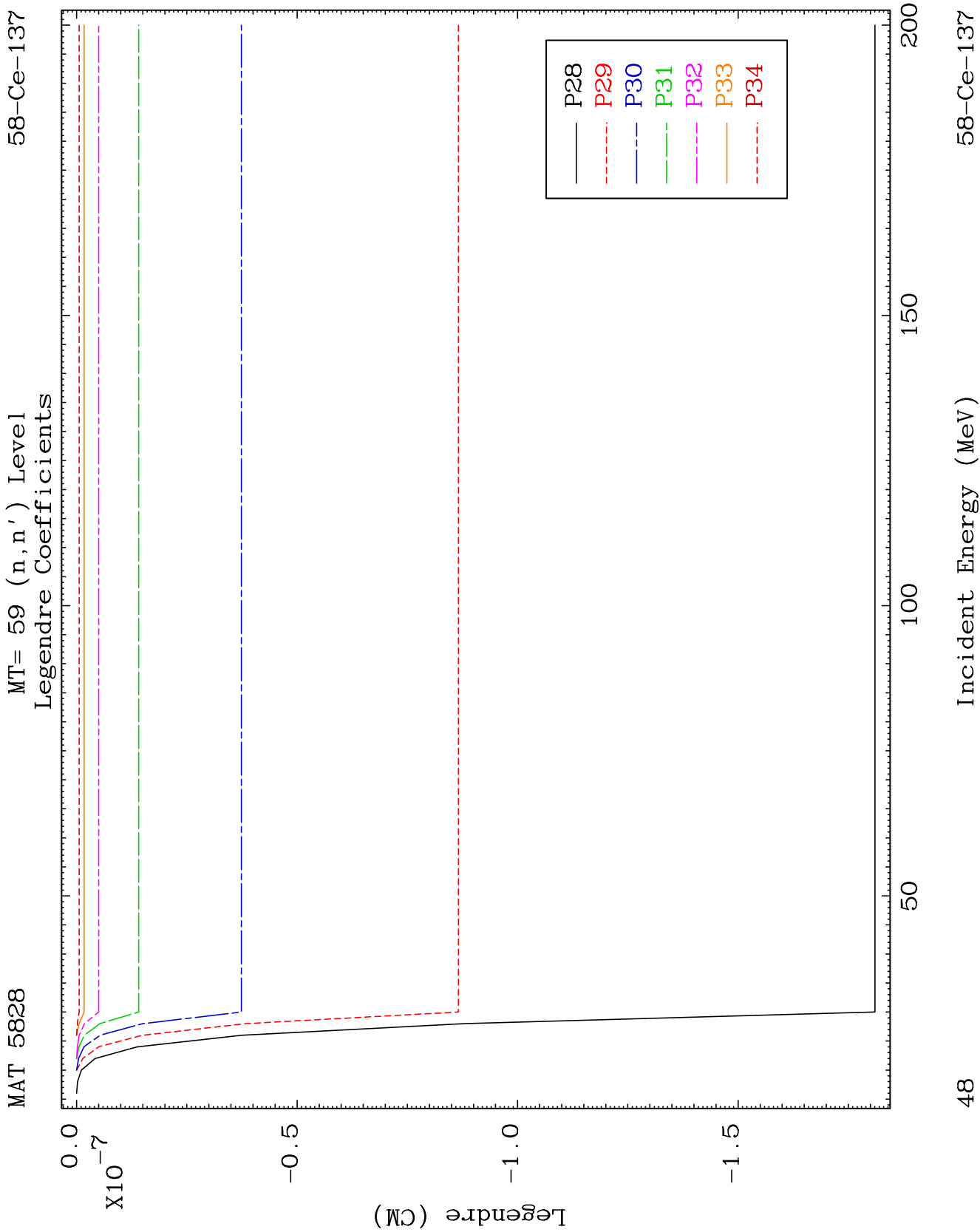
MT= 59 (n, n') Level  
Legendre Coefficients

58-Ce-137





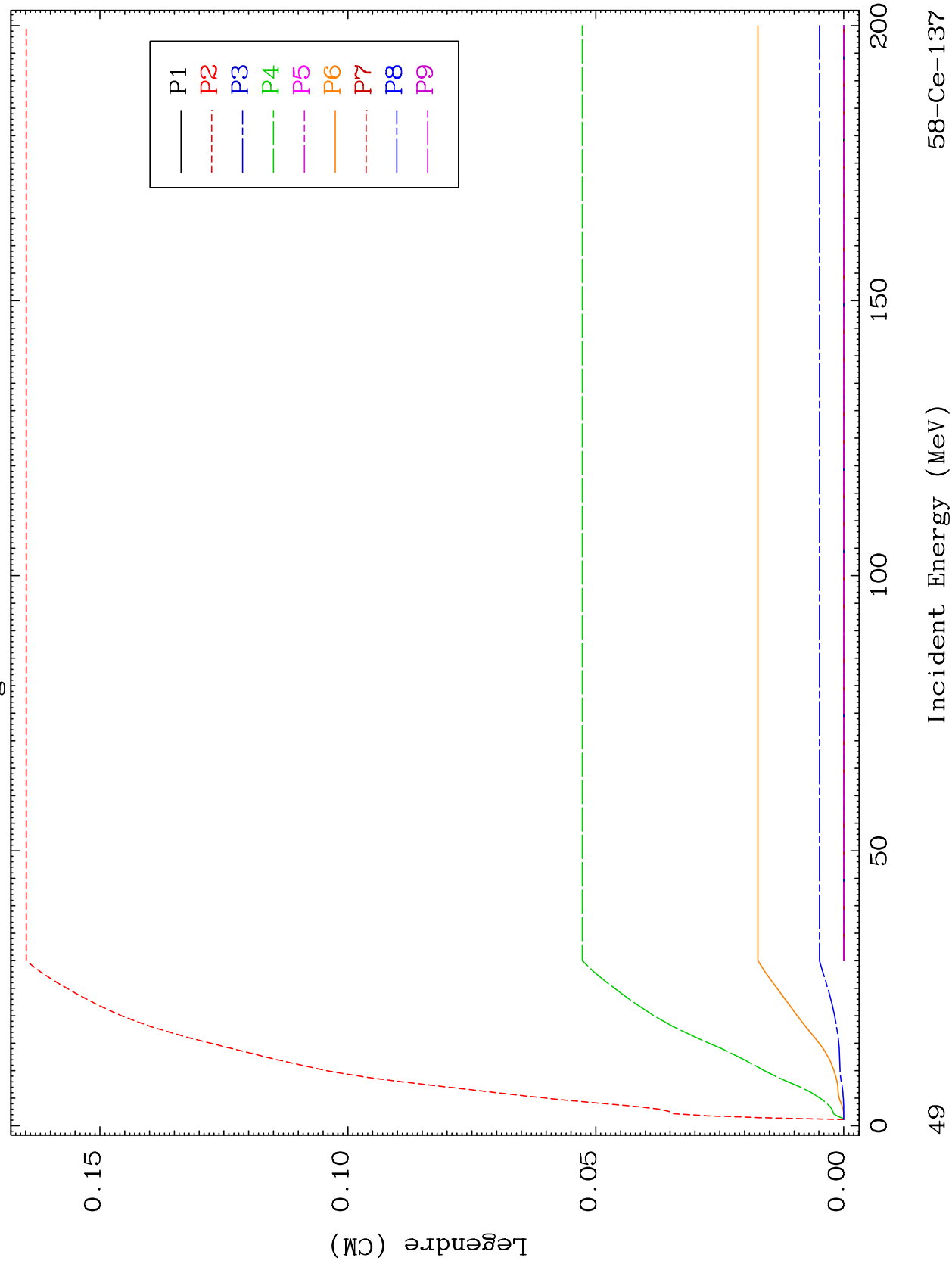


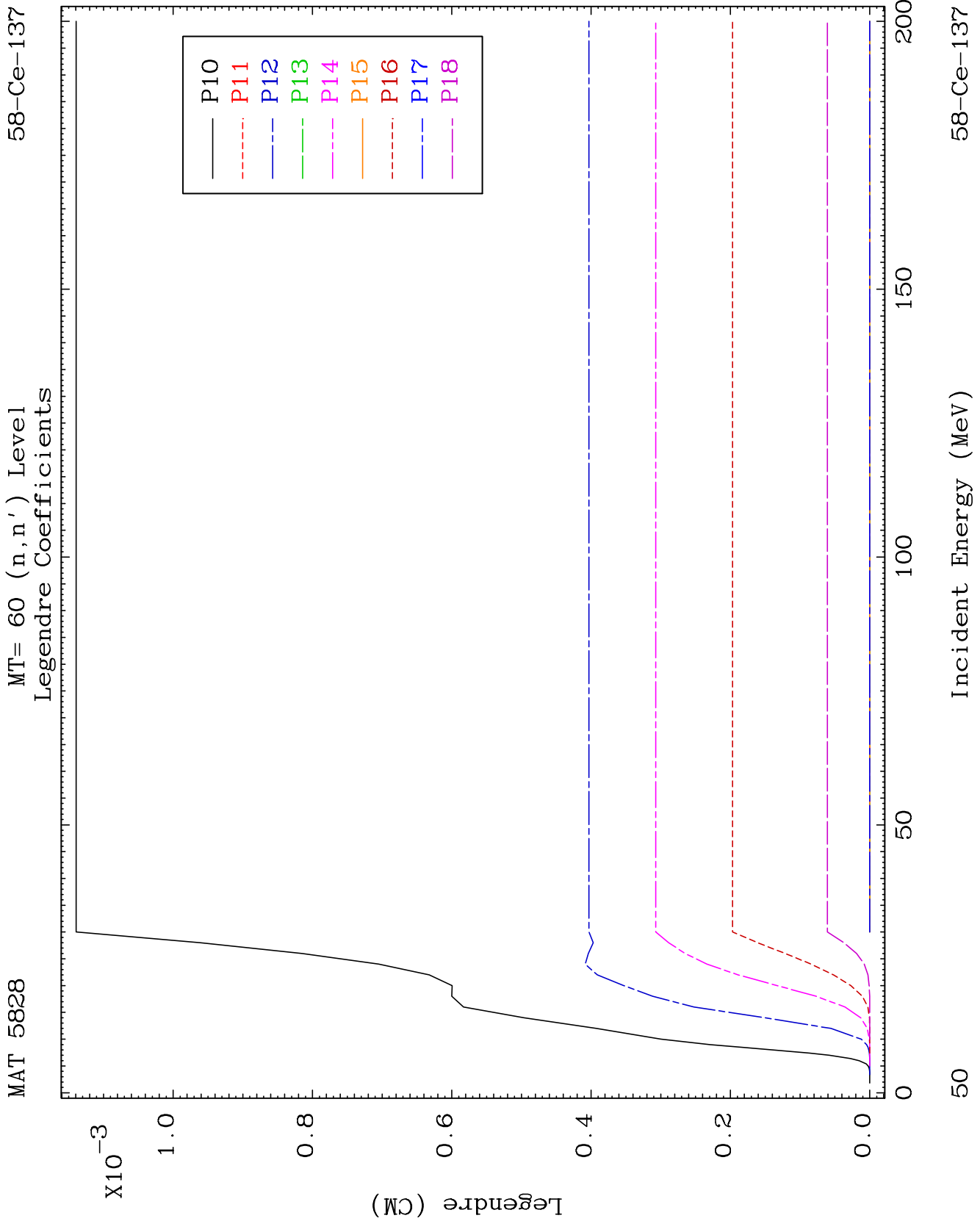


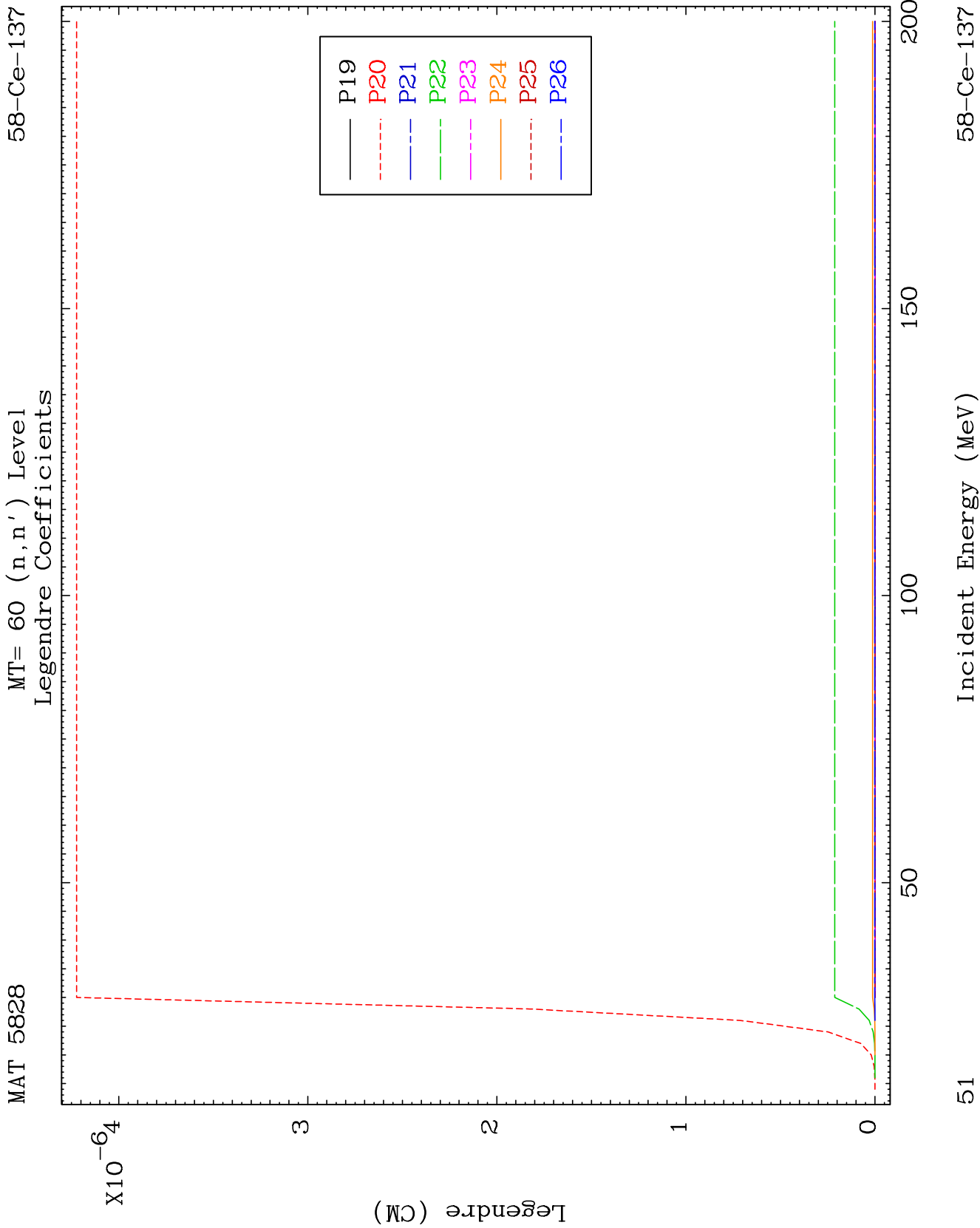
MAT 5828

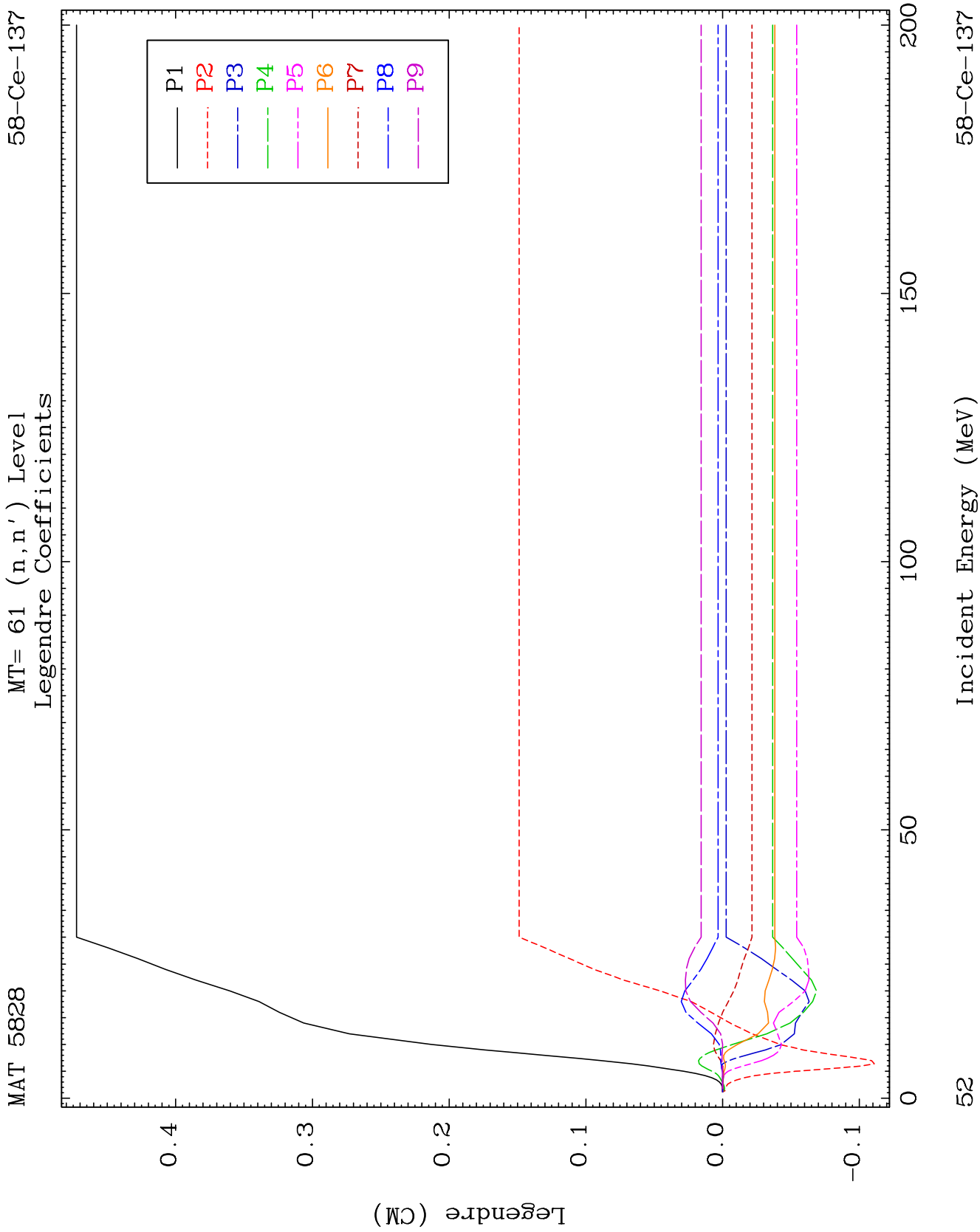
MT= 60 (n, n') Level  
Legendre Coefficients

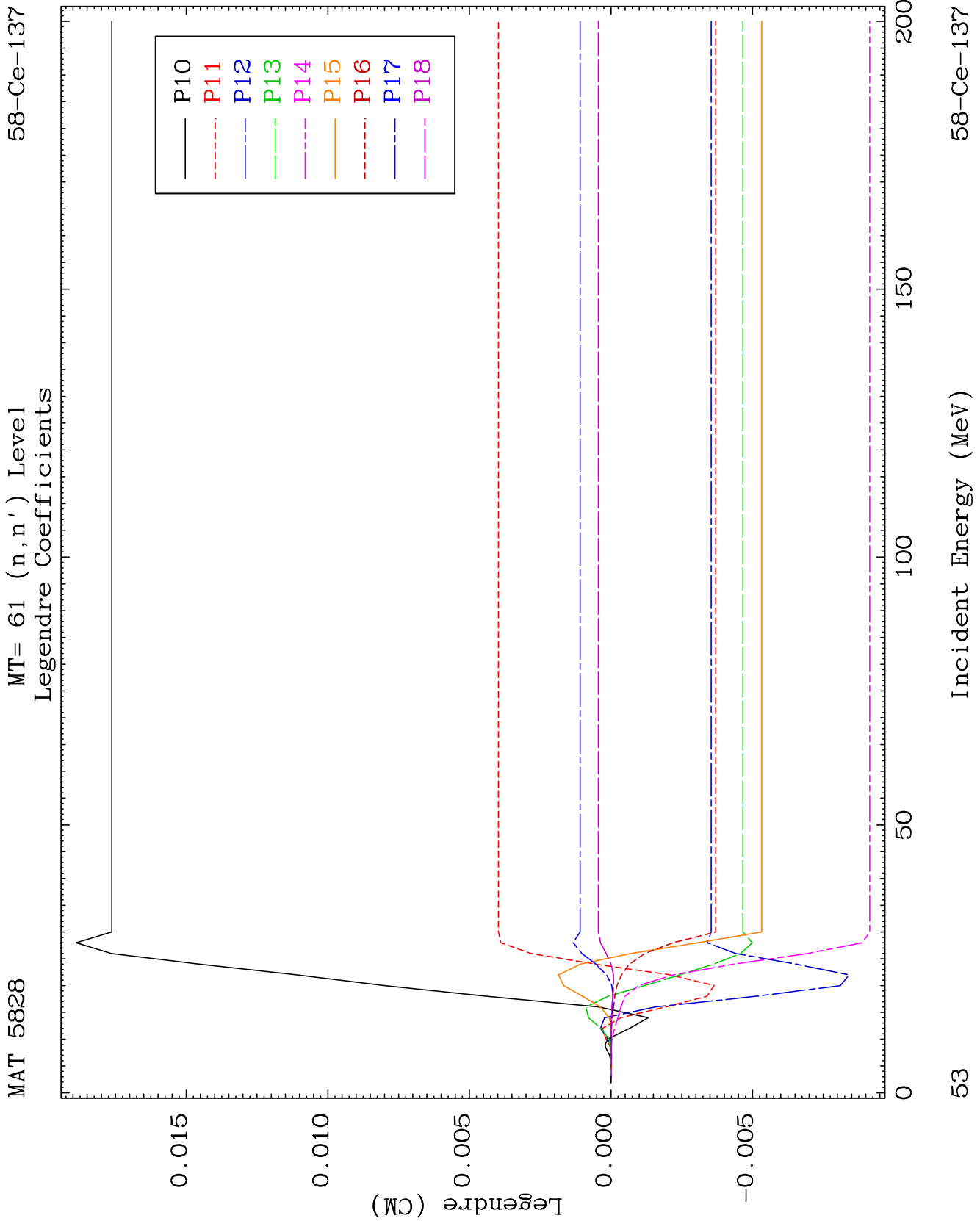
58-Ce-137

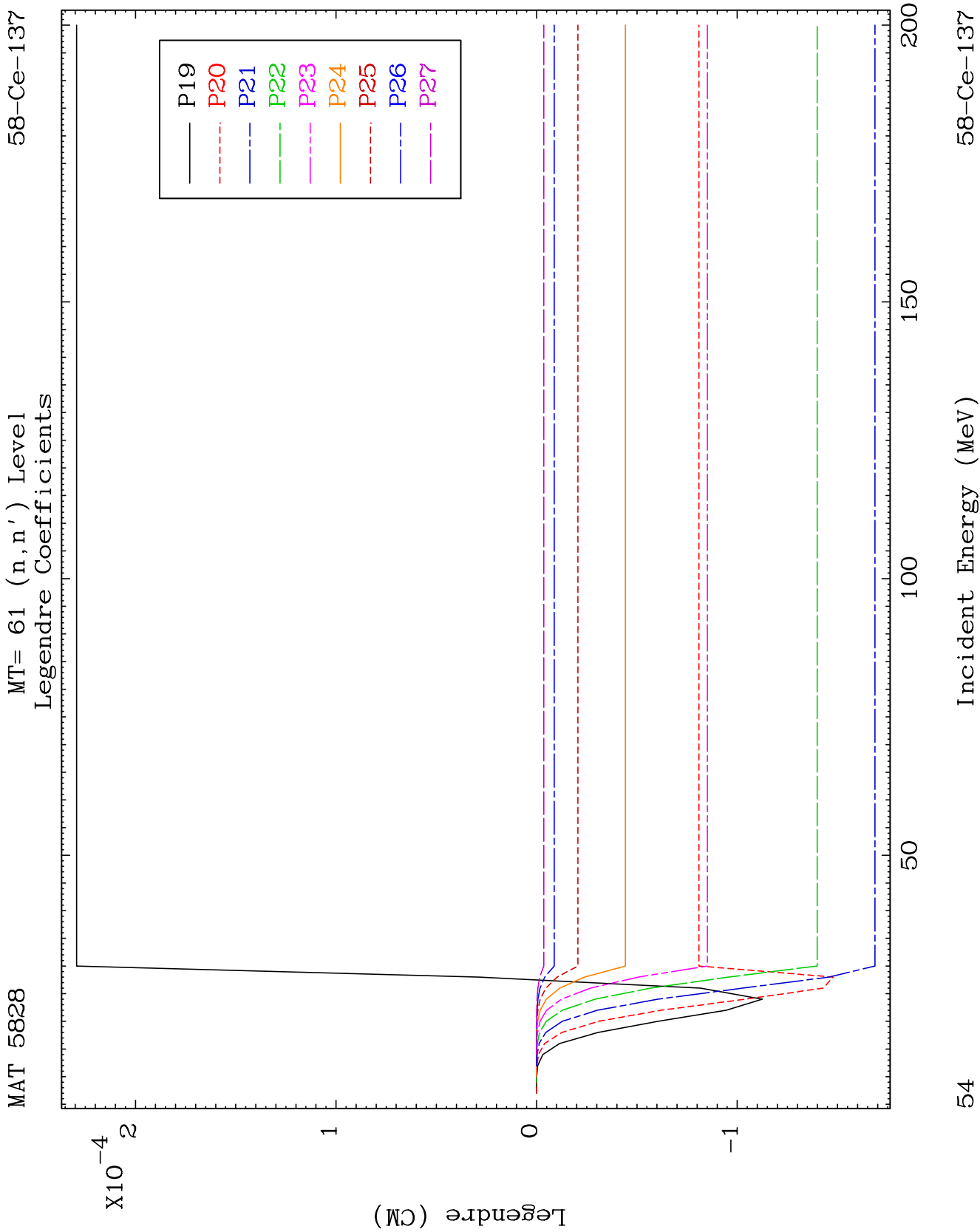


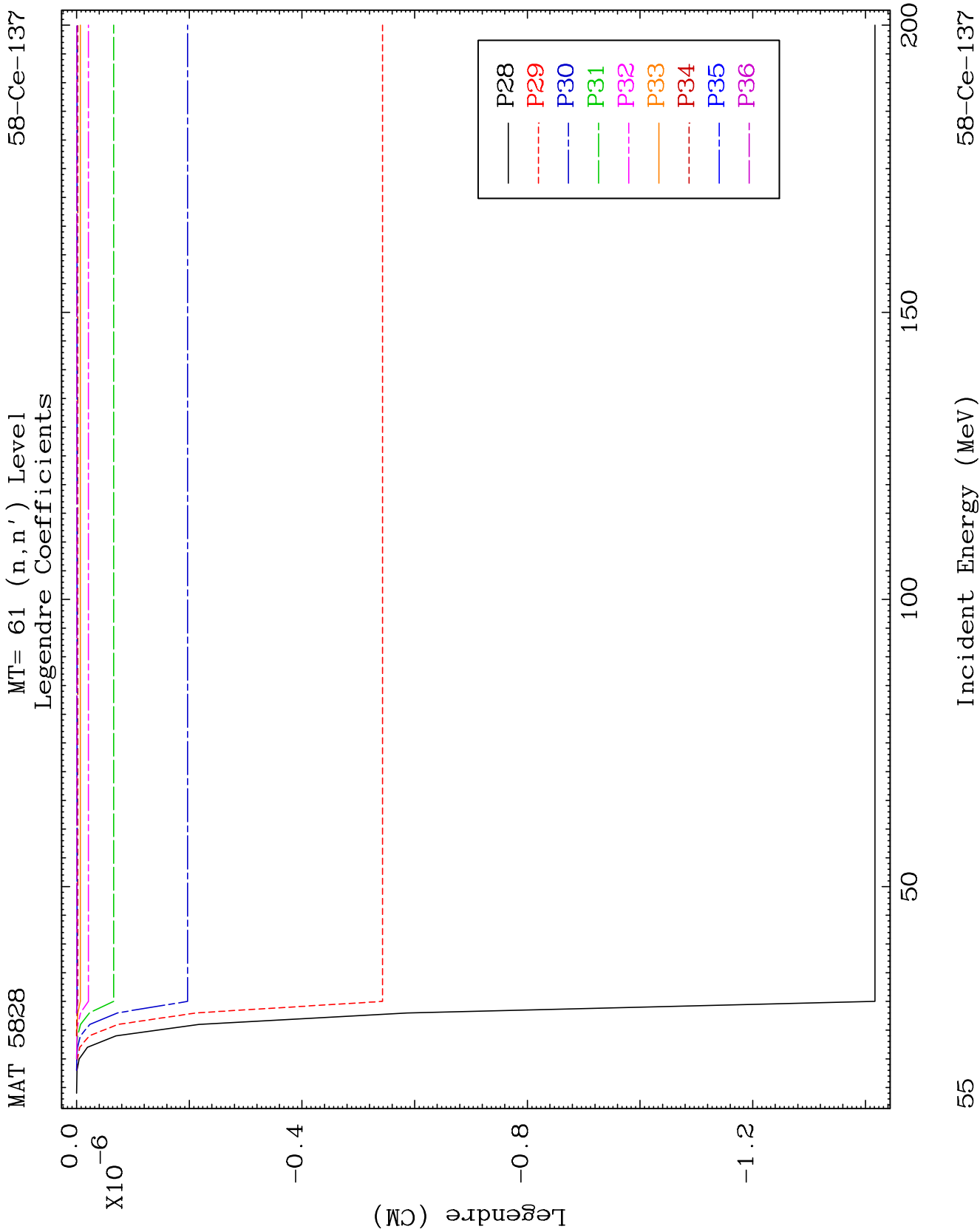










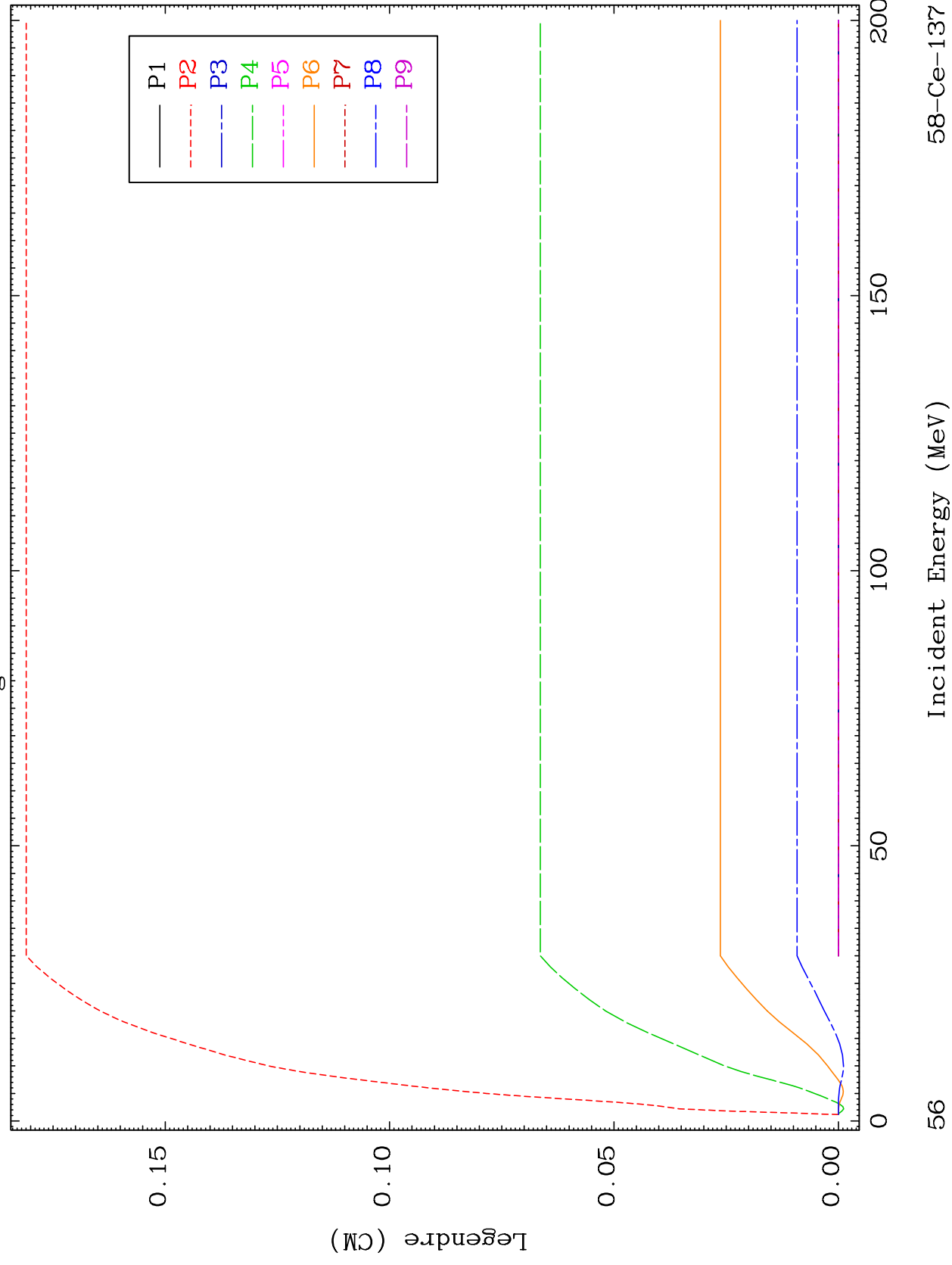




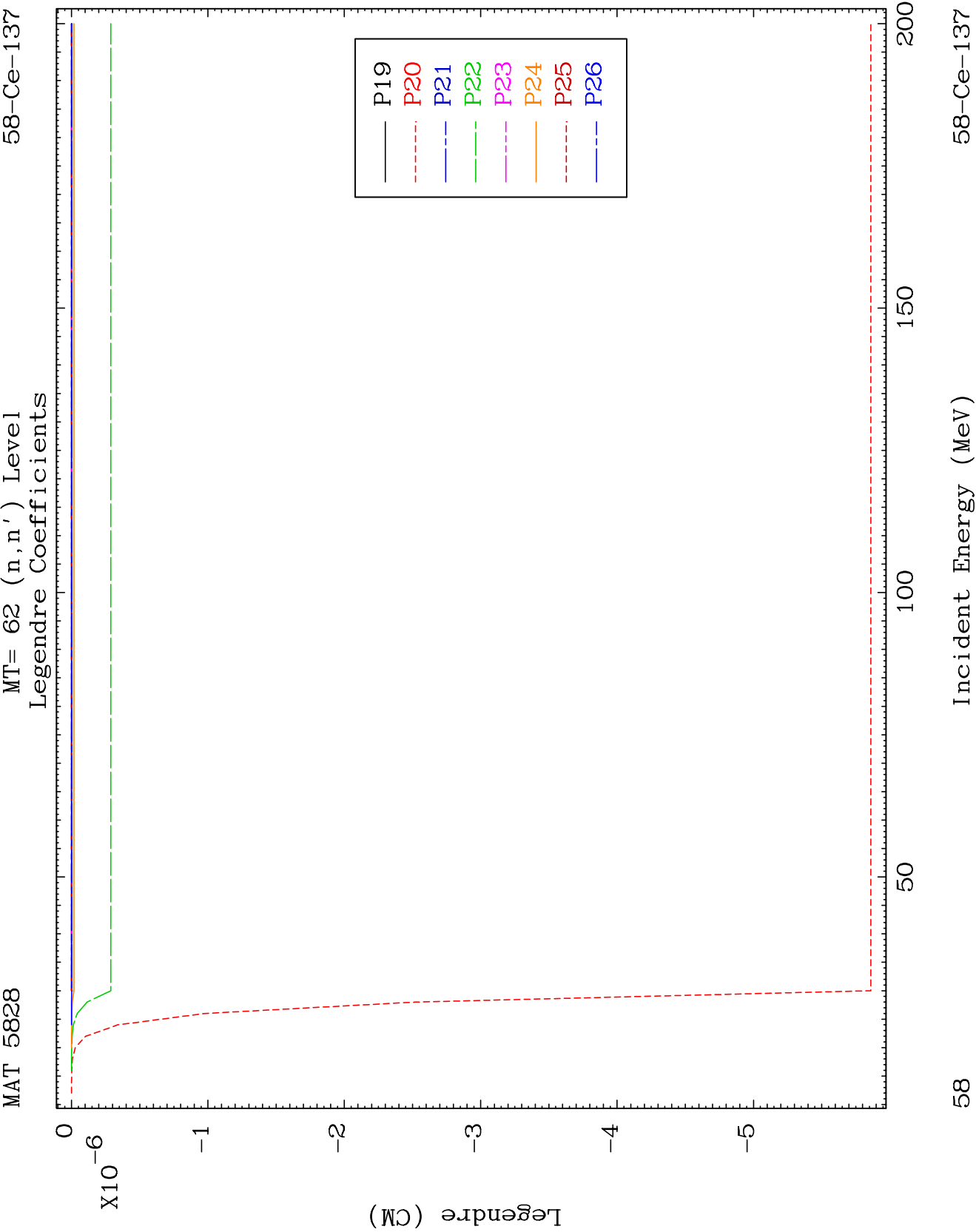
MAT 5828

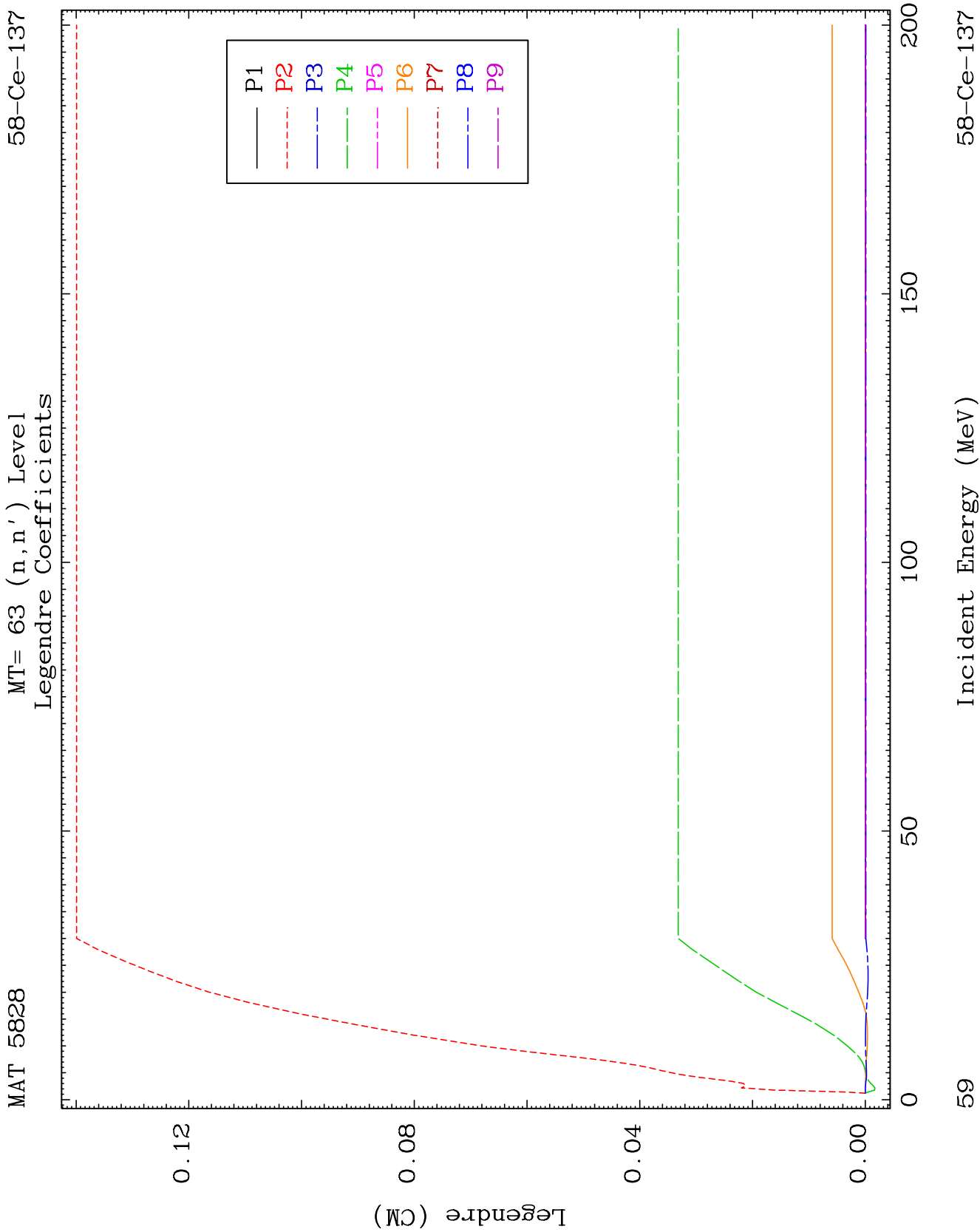
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Legendre Coefficients

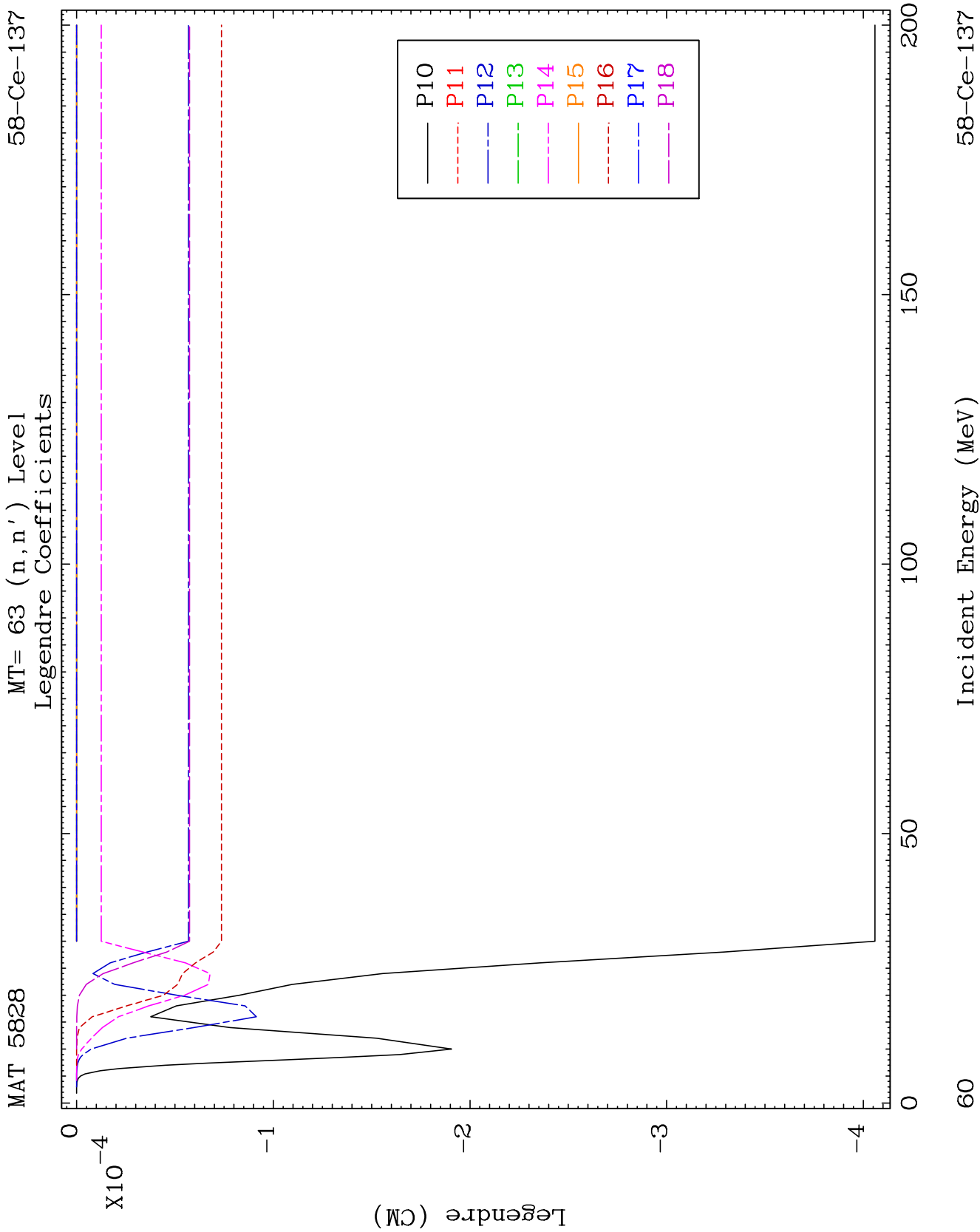
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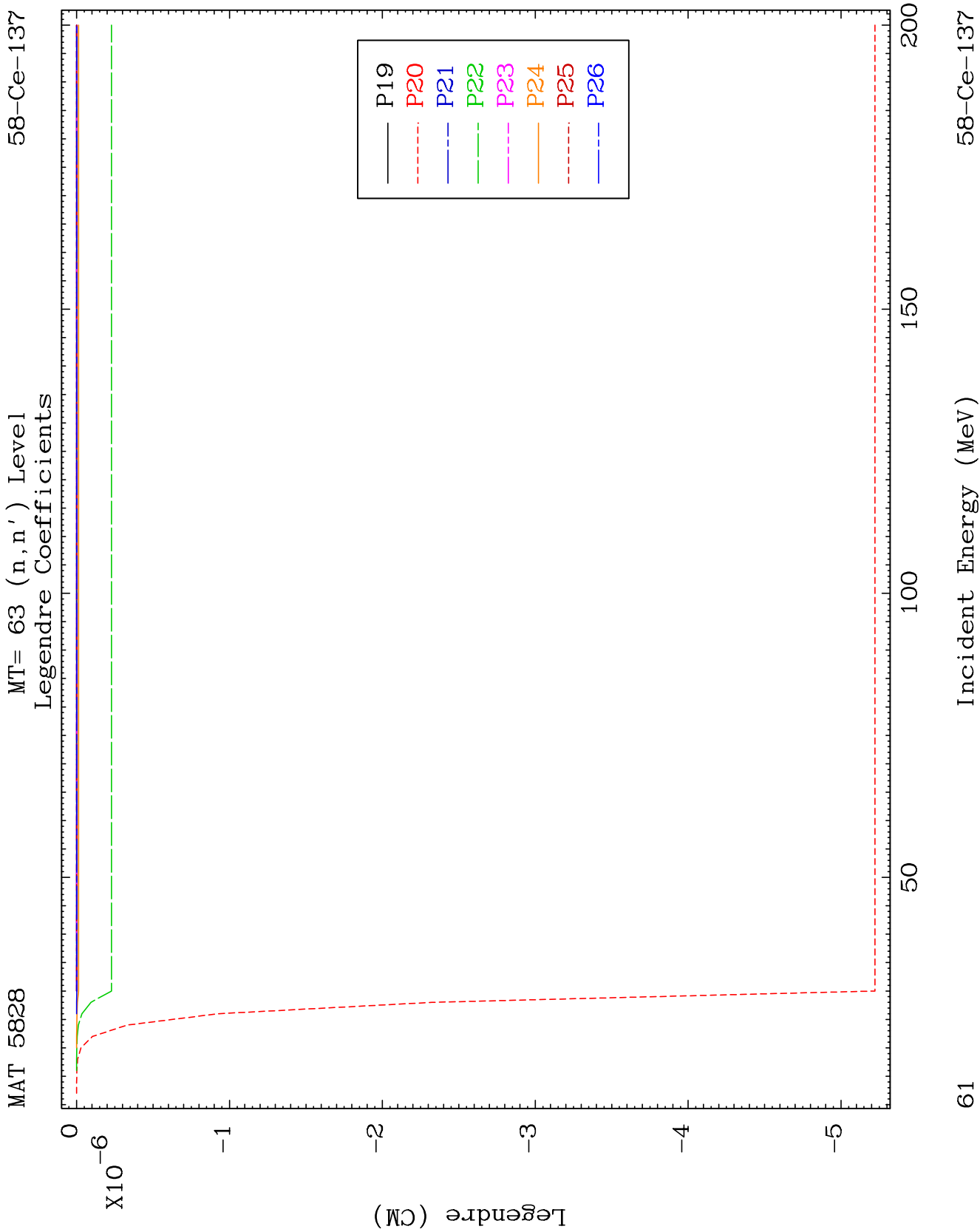








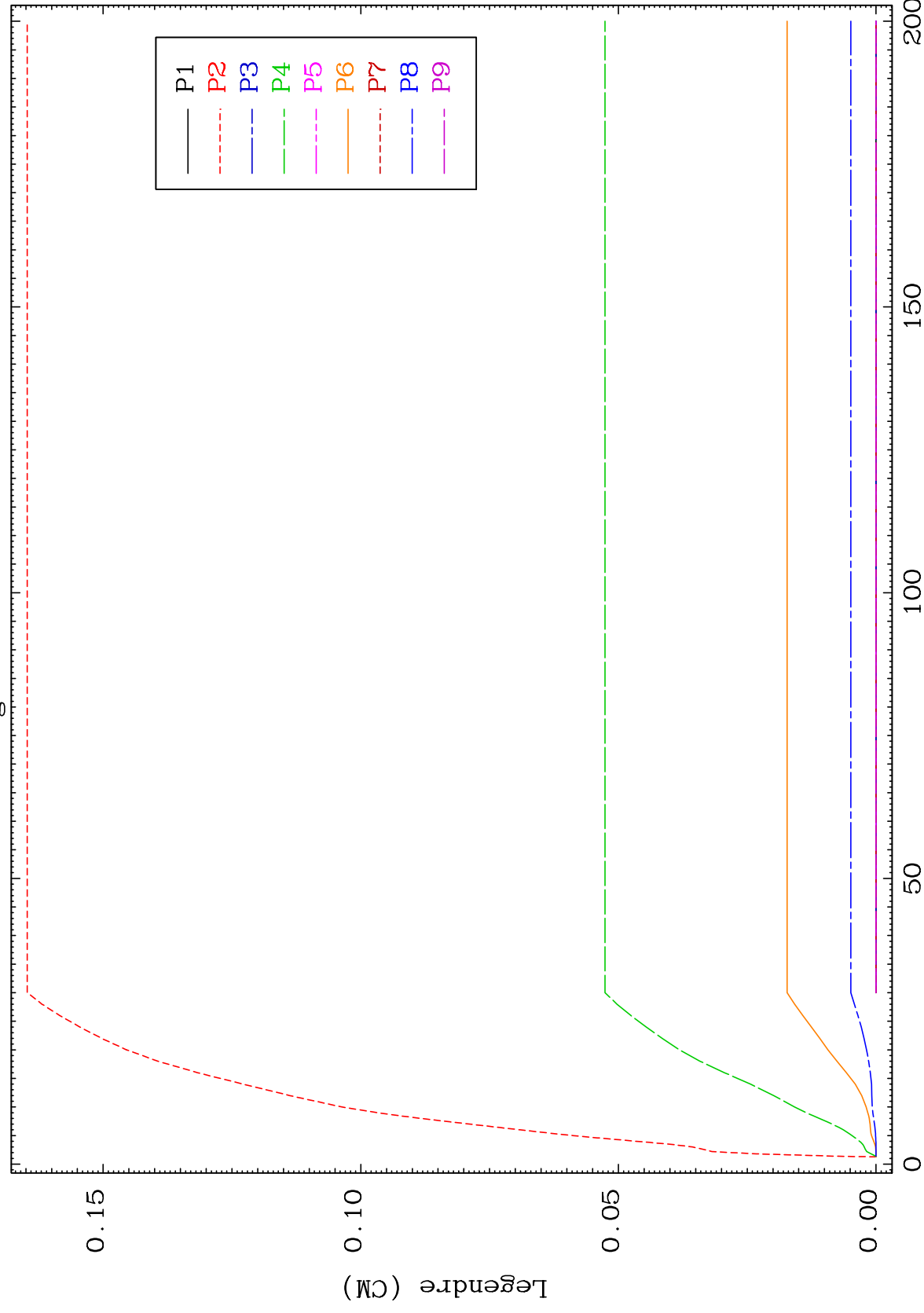




MAT 5828

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

58-Ce-137



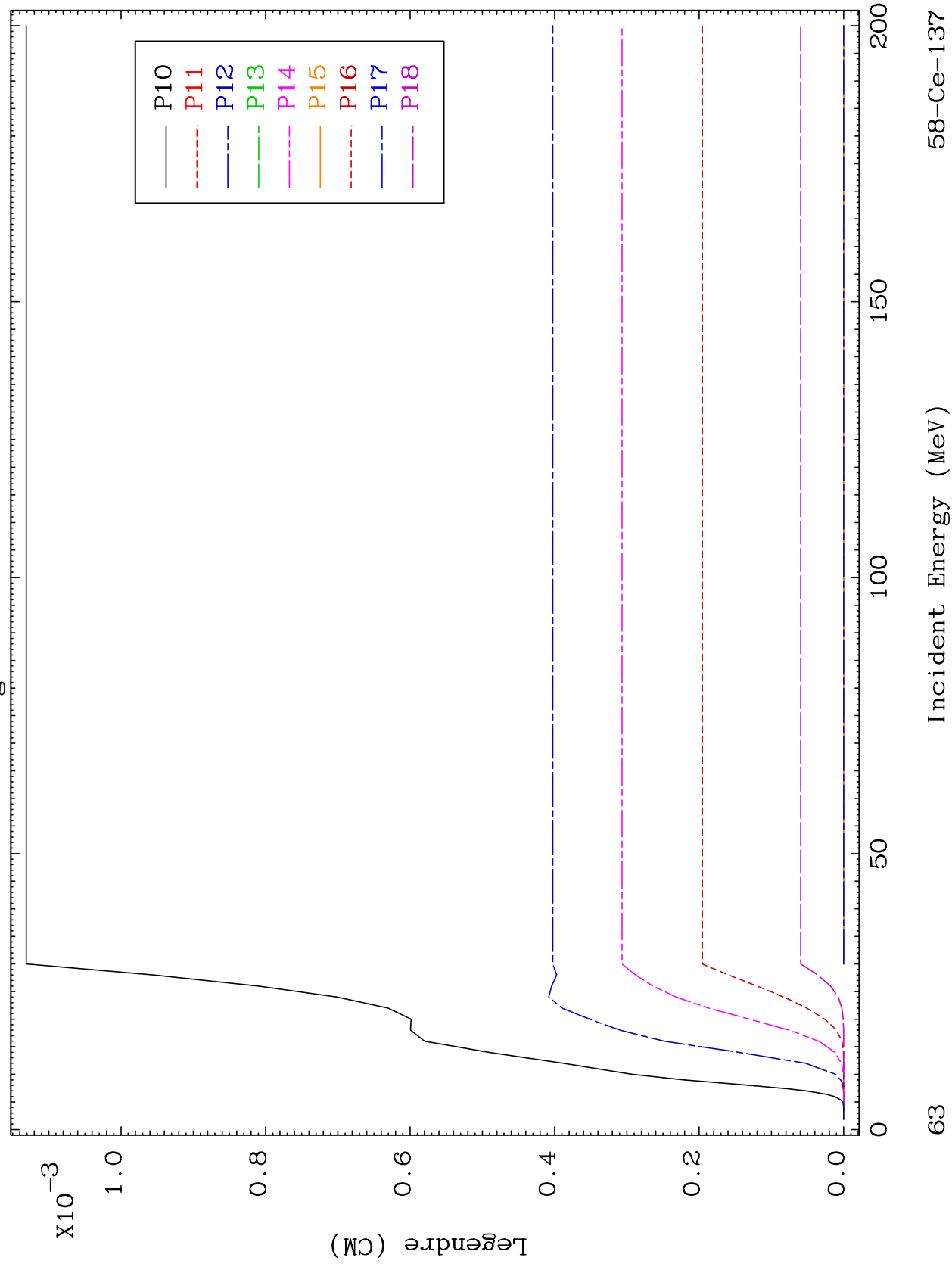
58-Ce-137

Incident Energy (MeV)

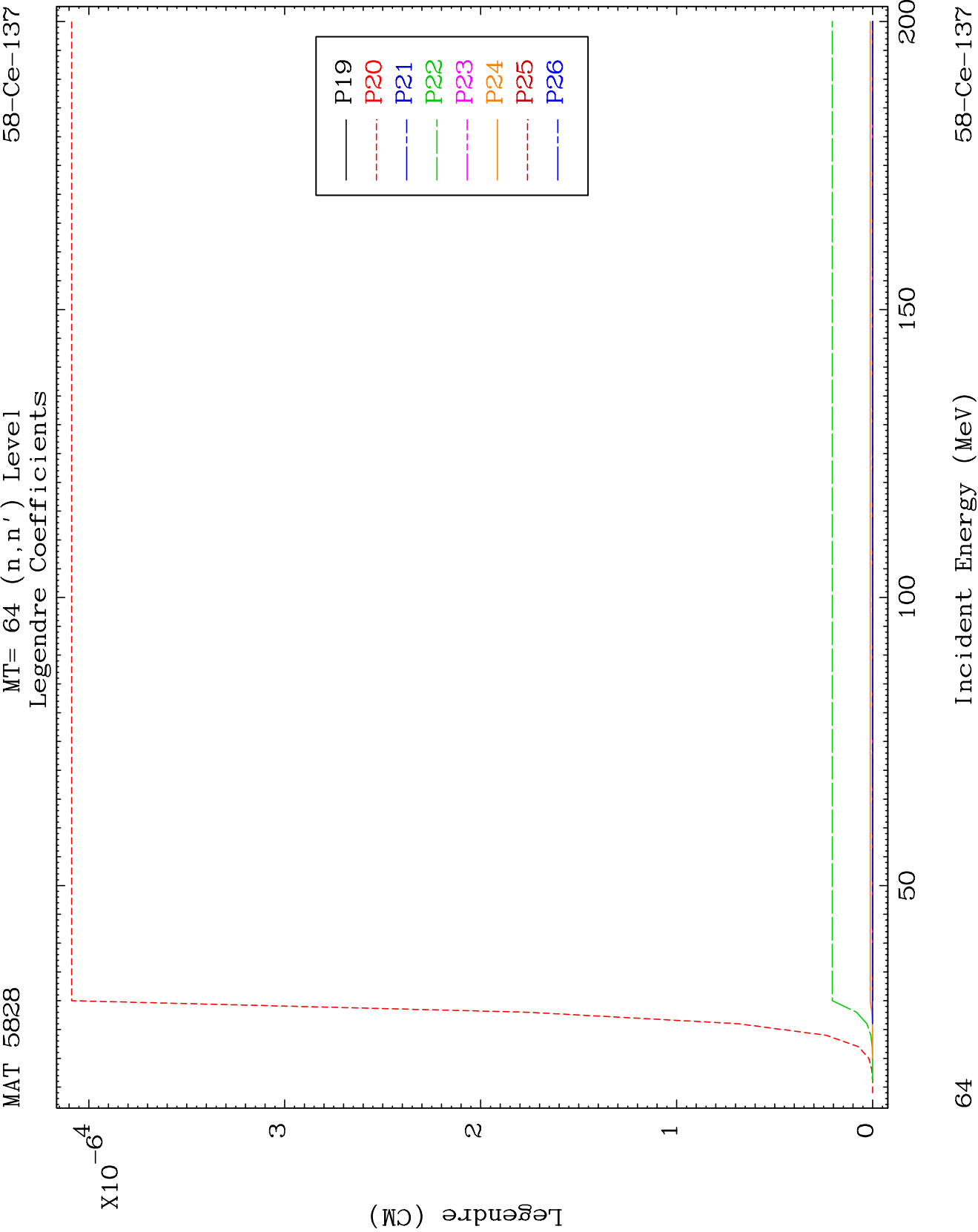
MAT 5828

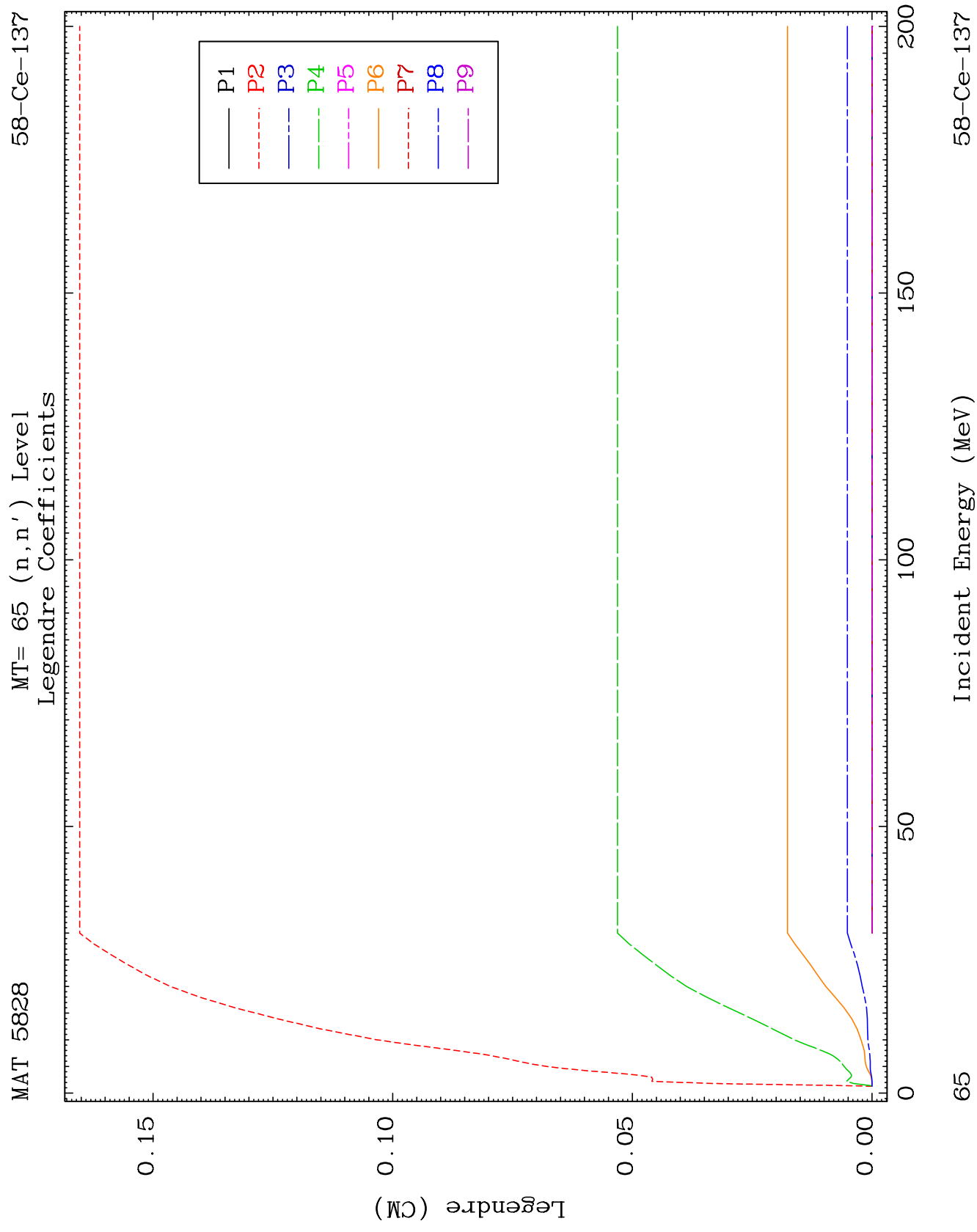
MT= 64 (n, n') Level  
Legendre Coefficients

58-Ce-137





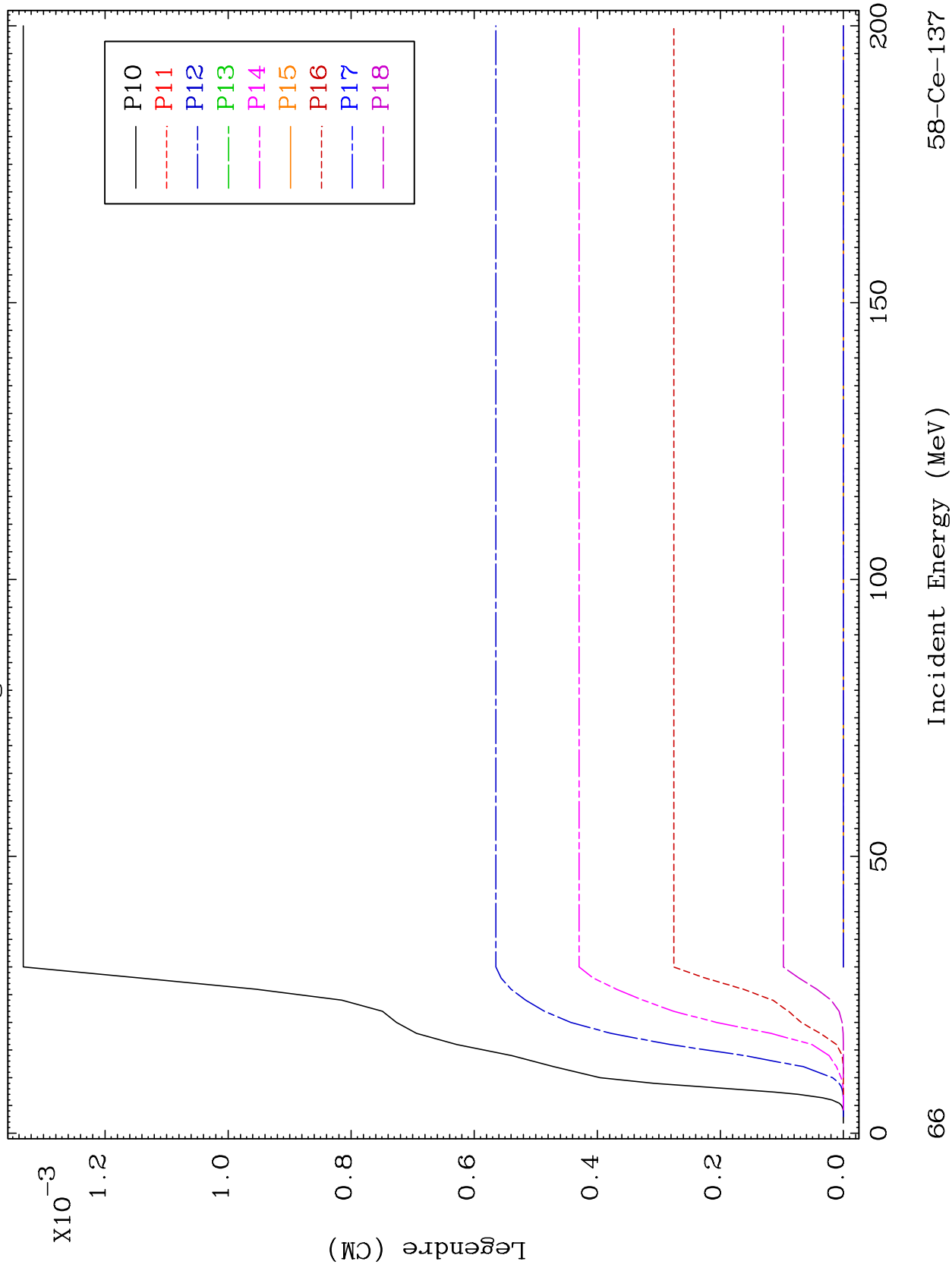


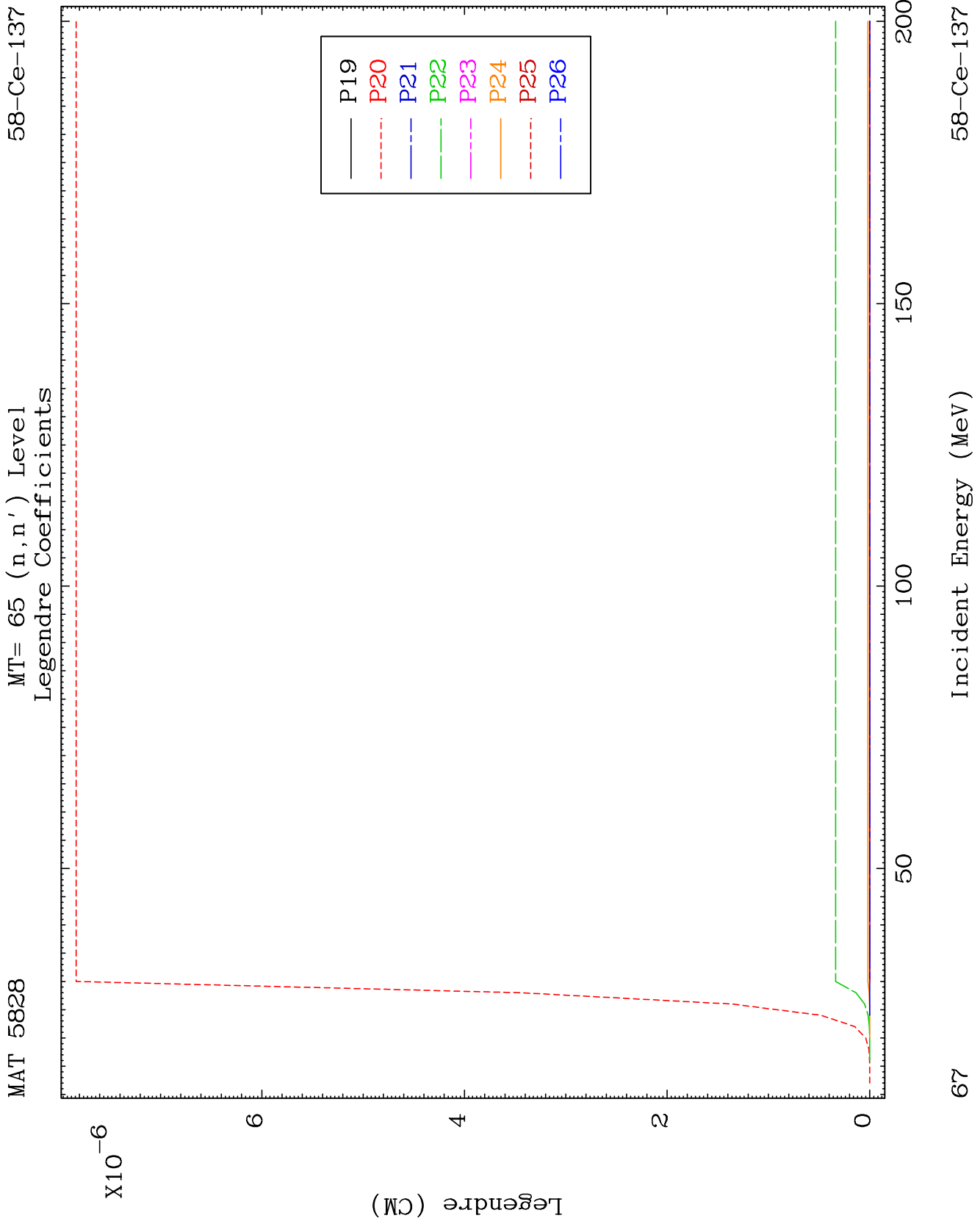


MAT 5828

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

58-Ce-137

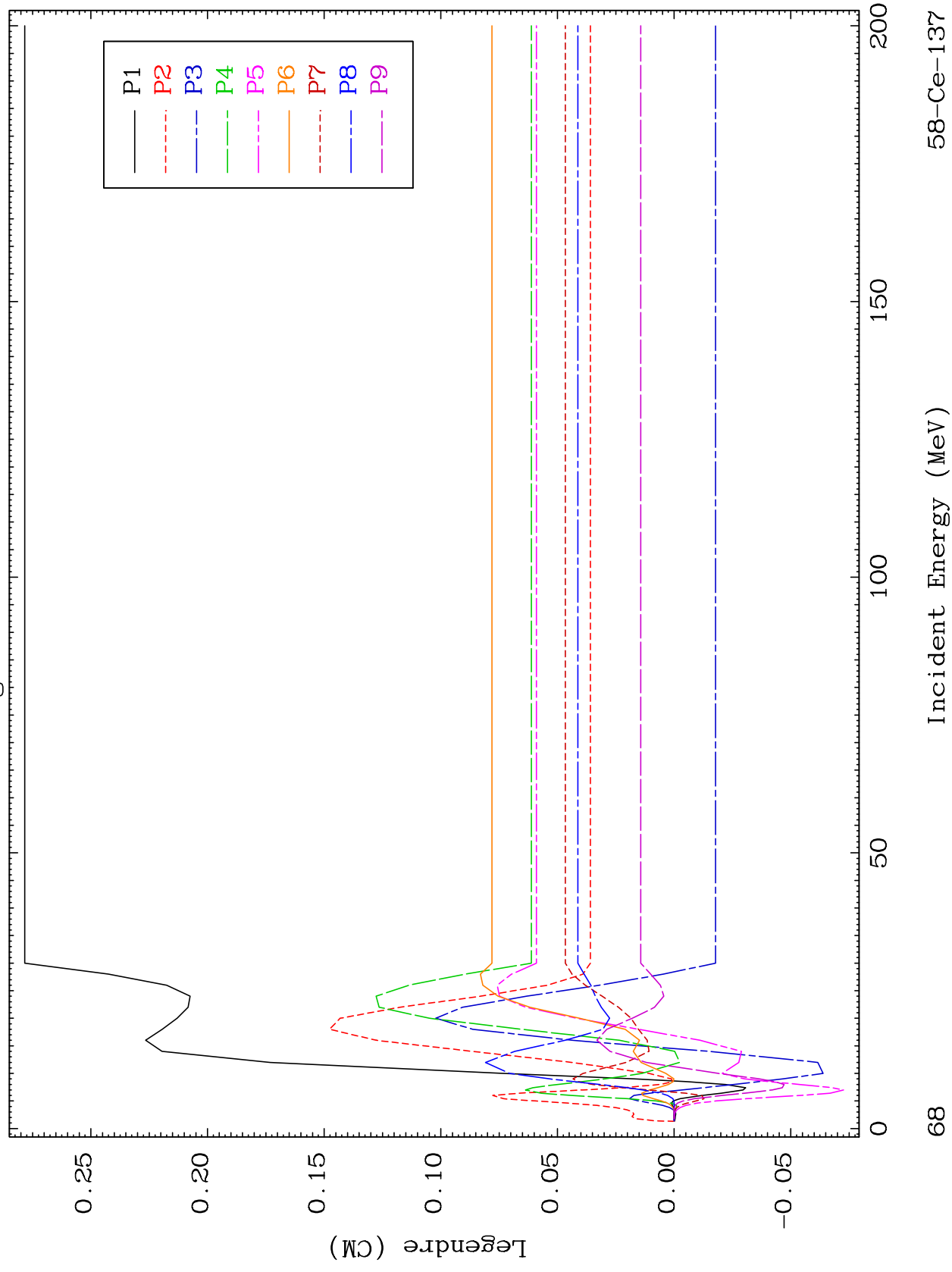


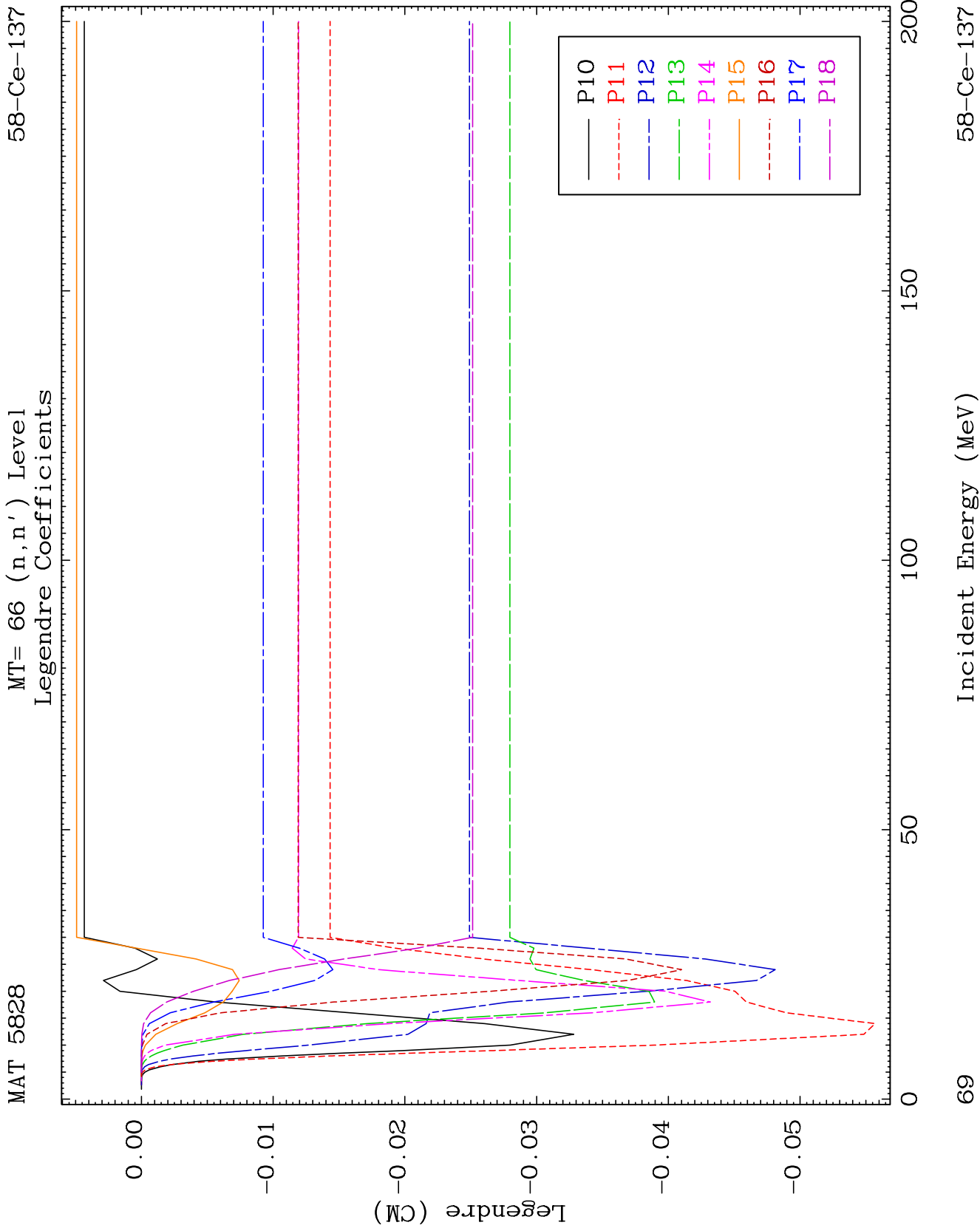


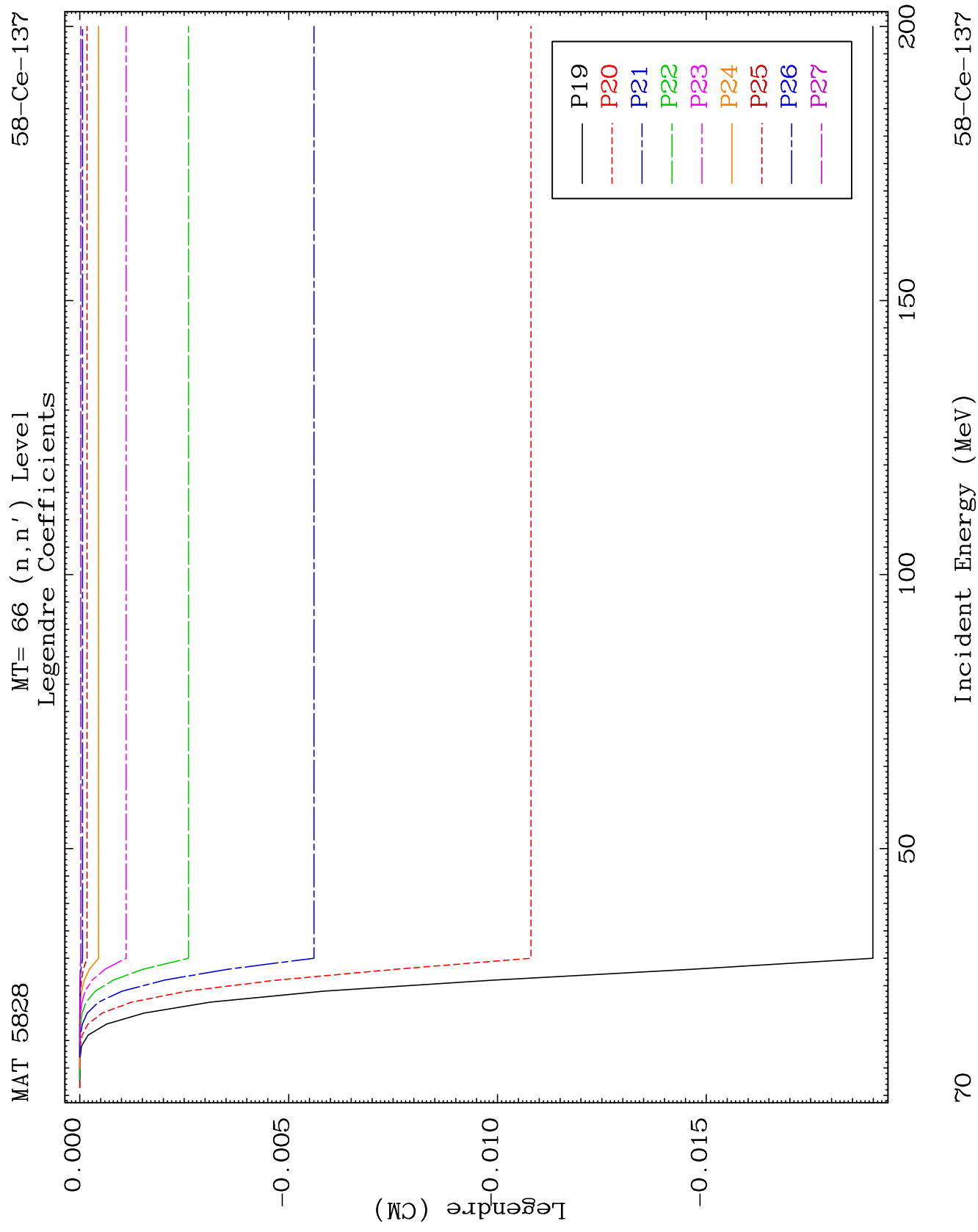
MAT 5828

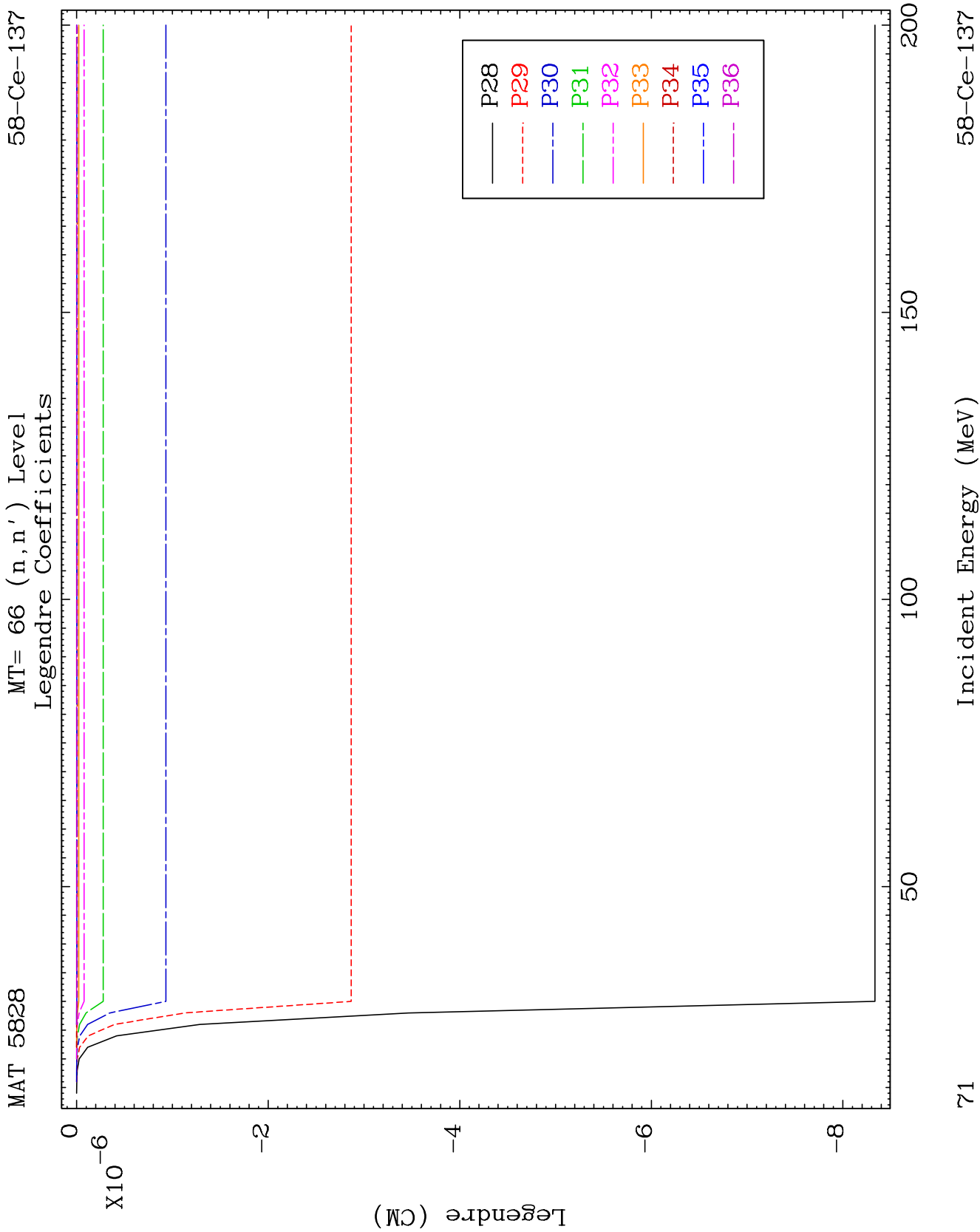
MT= 66 (n, n') Level  
Legendre Coefficients

58-Ce-137







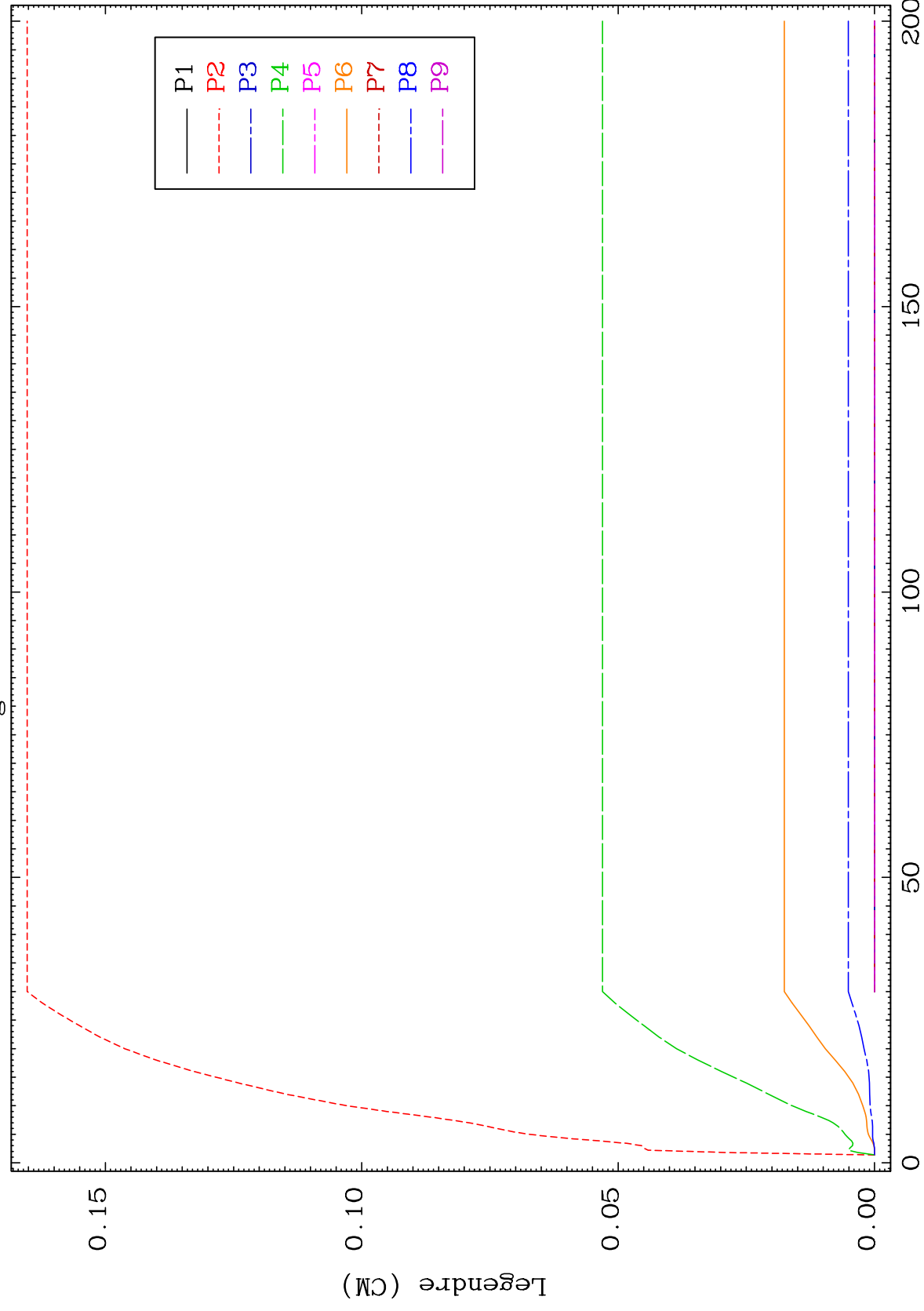




MAT 5828

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

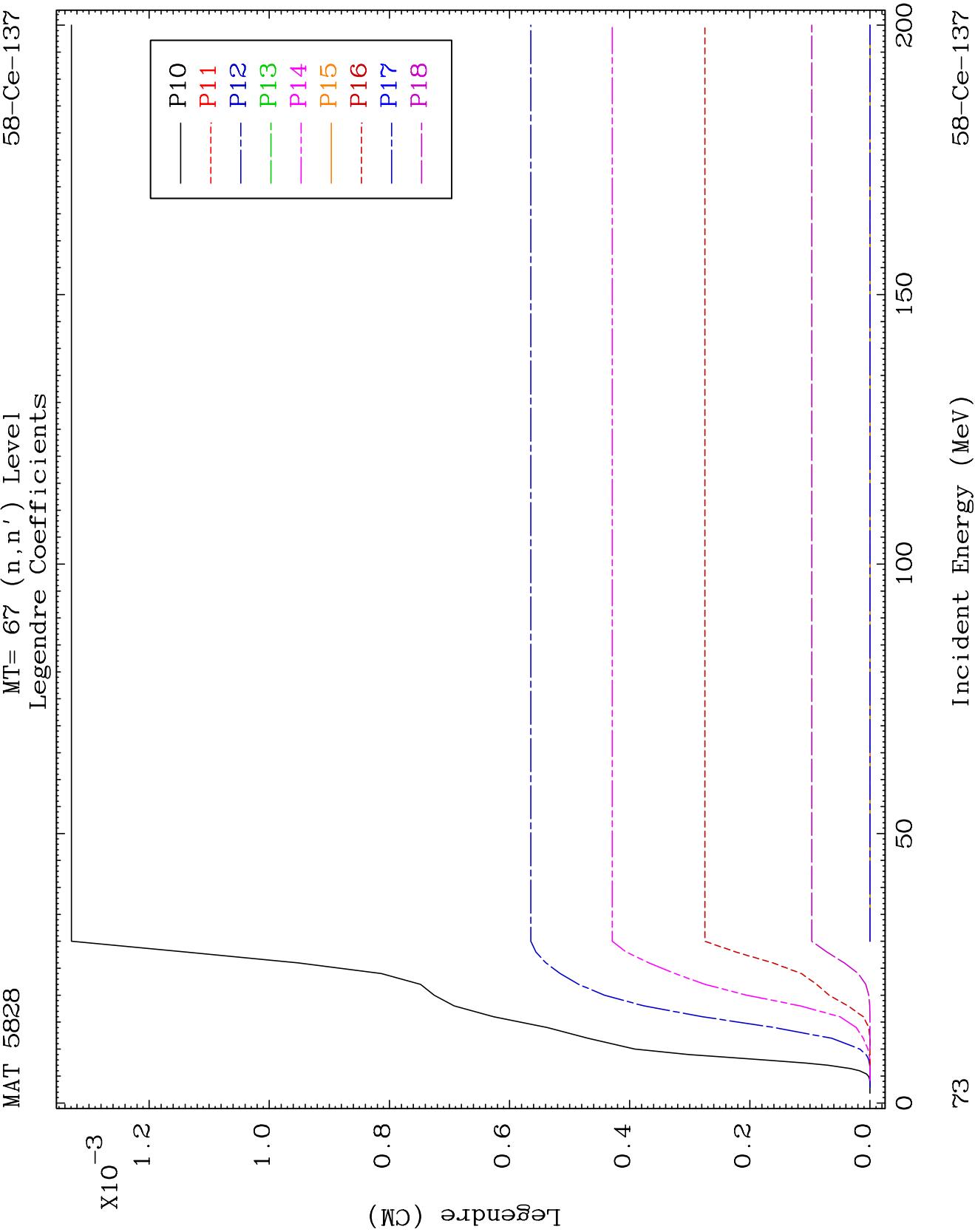
58-Ce-137

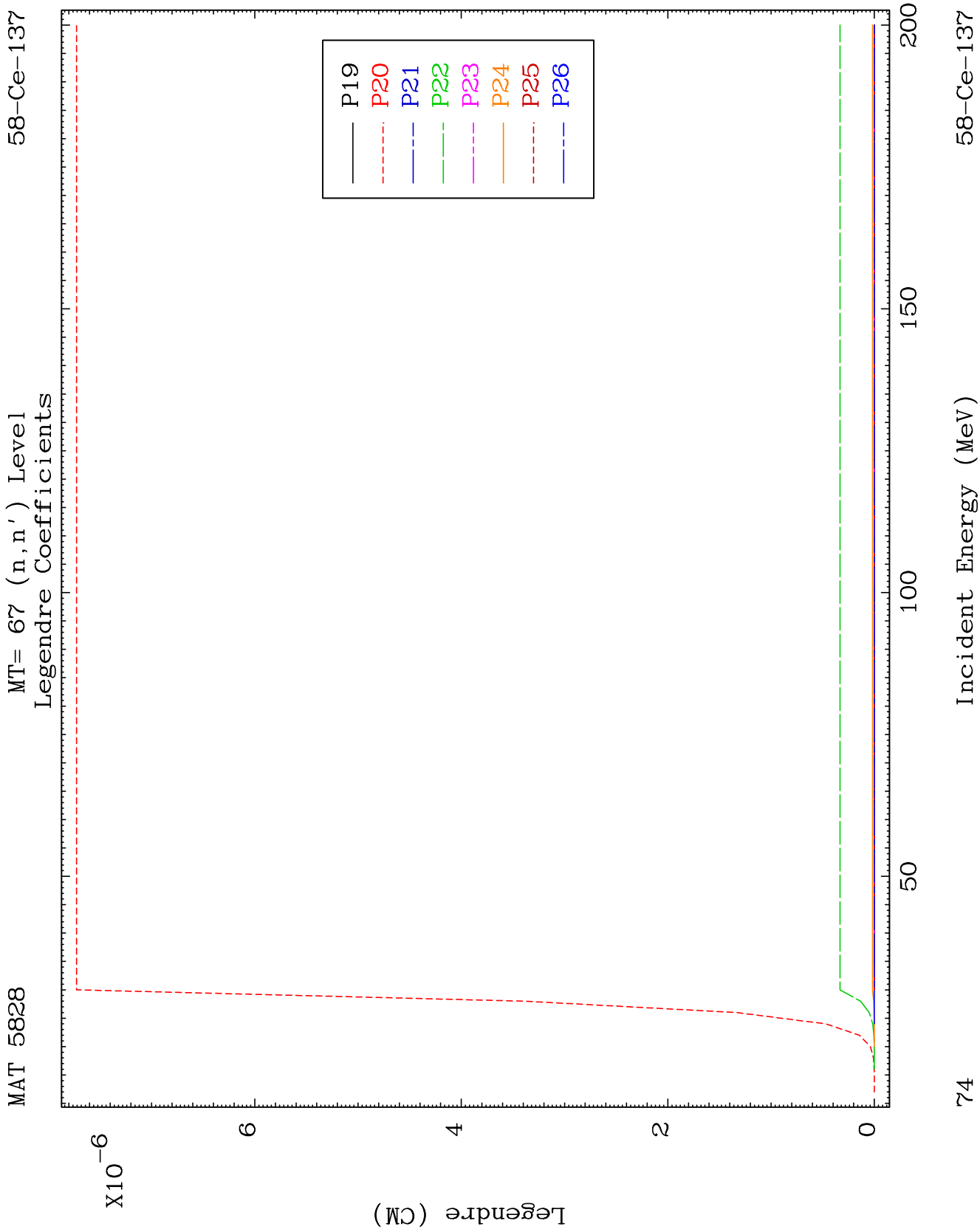


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Incident Energy (MeV)

58-Ce-137

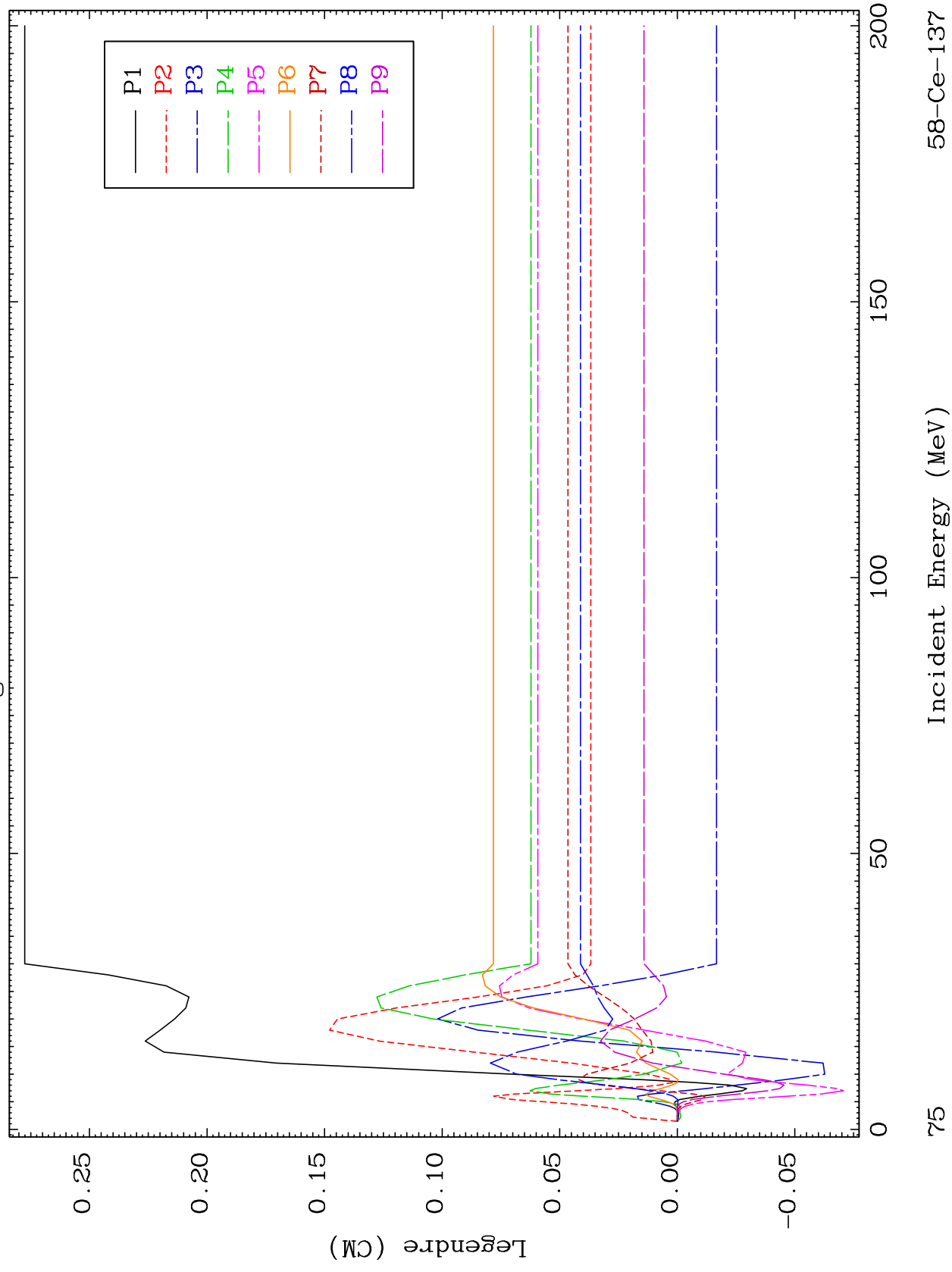


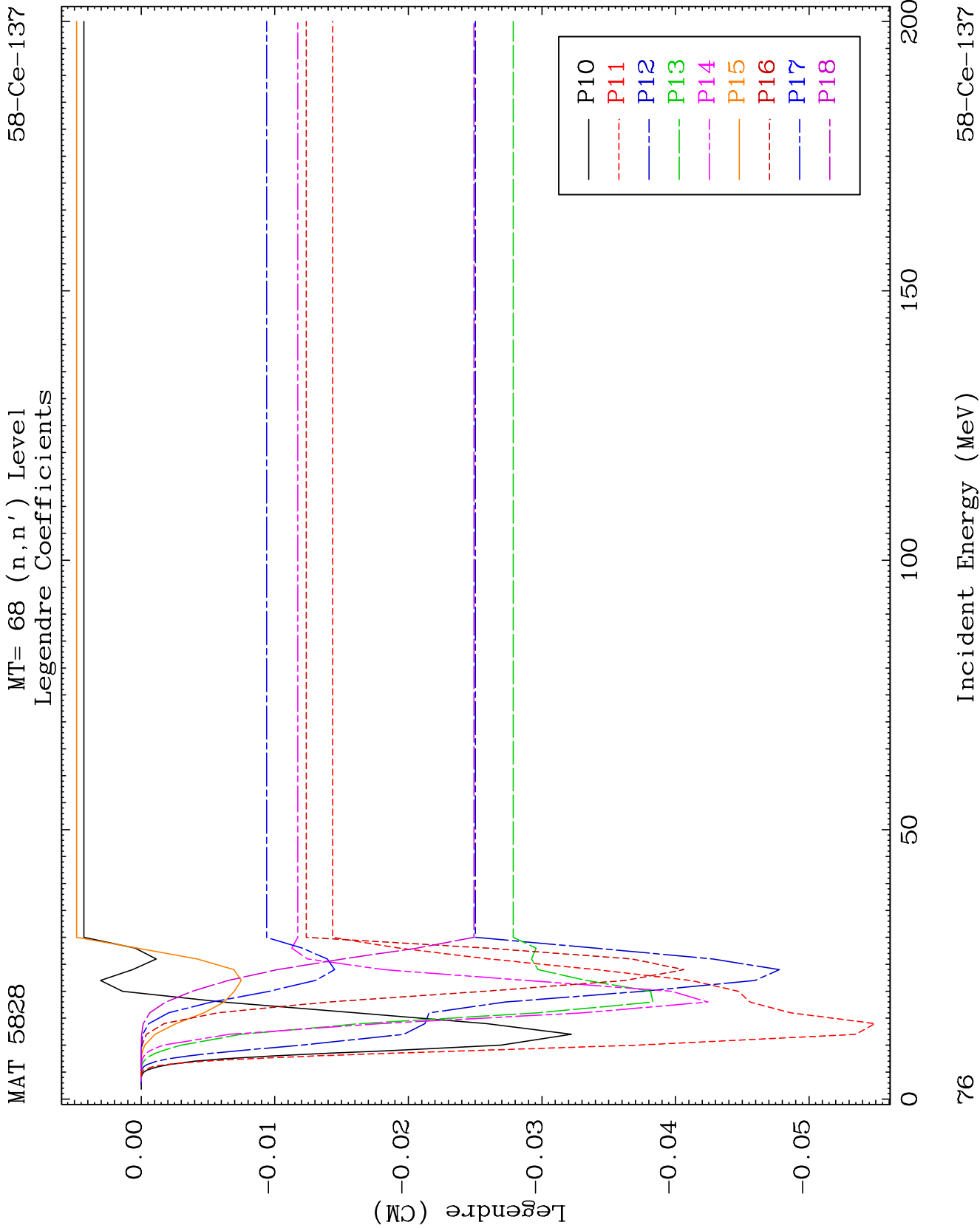


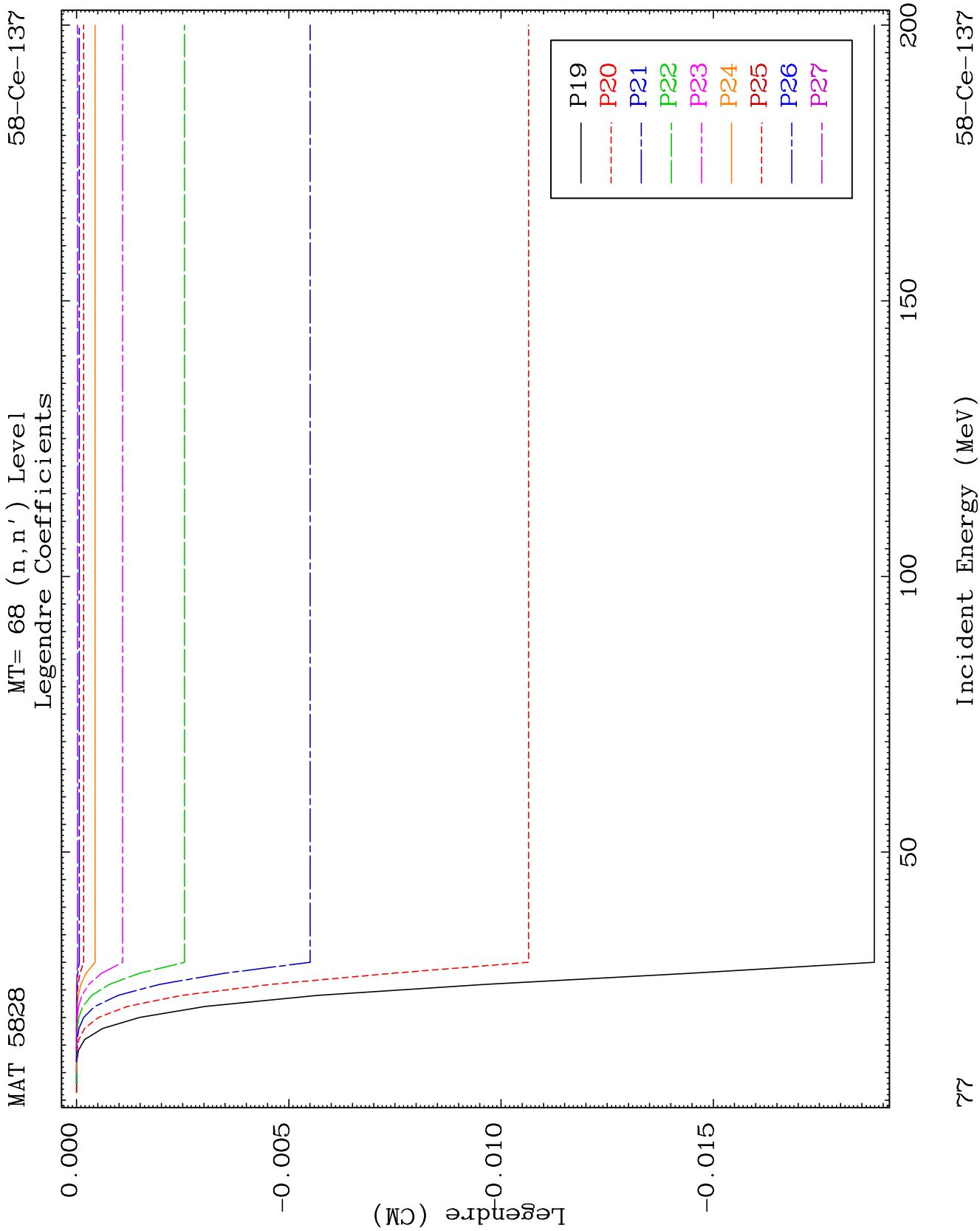
MAT 5828

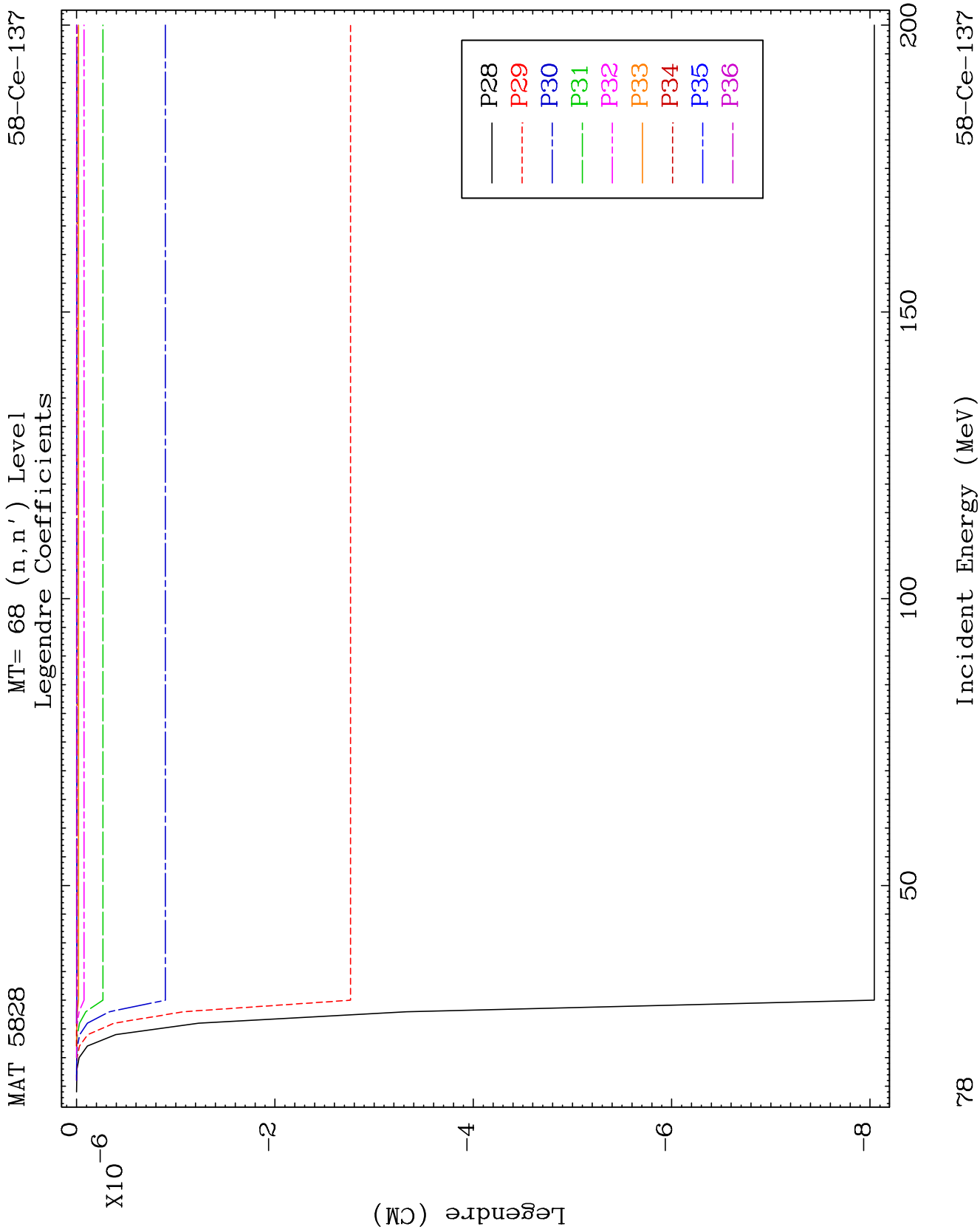
MT= 68 (n, n') Level  
Legendre Coefficients

58-Ce-137



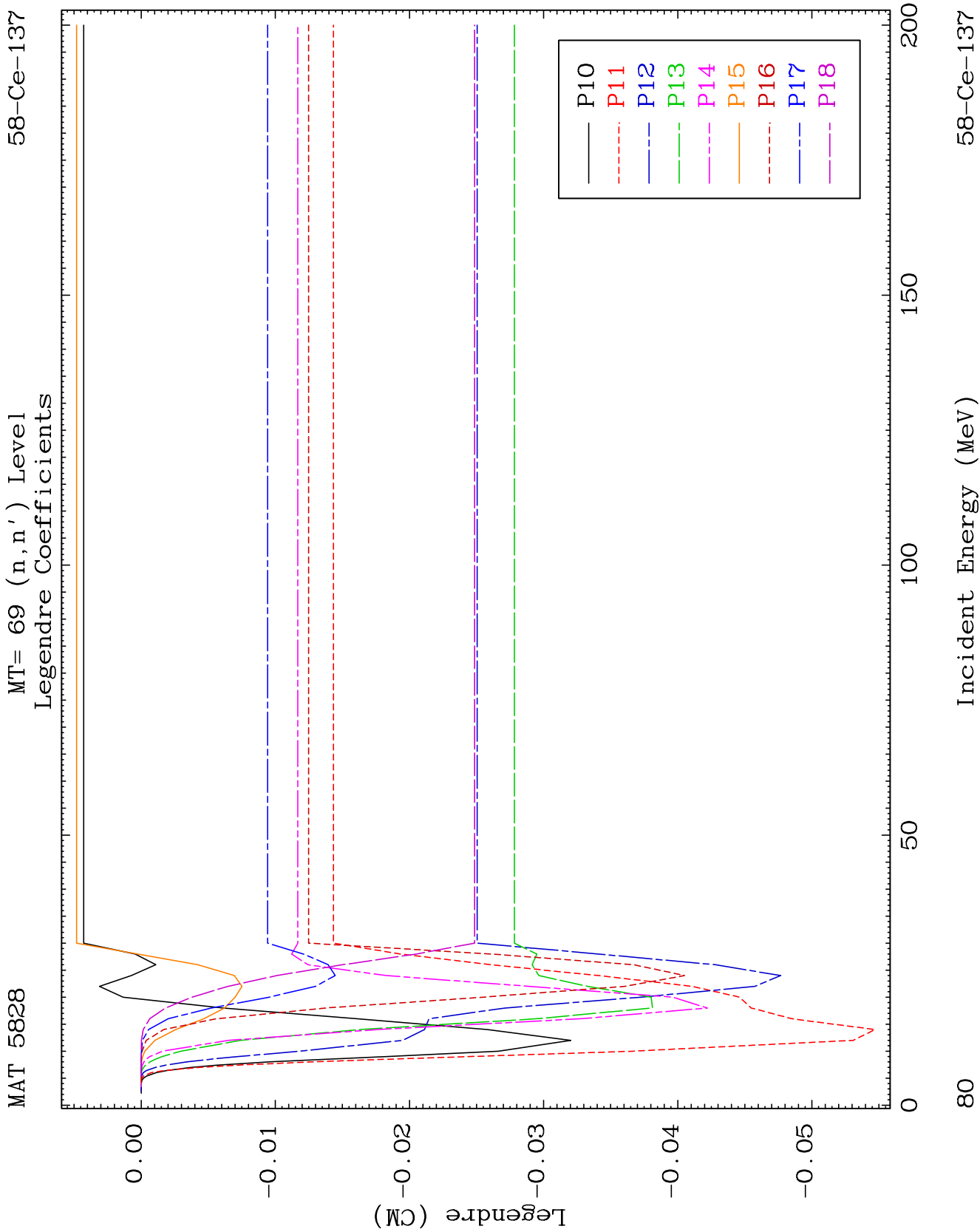


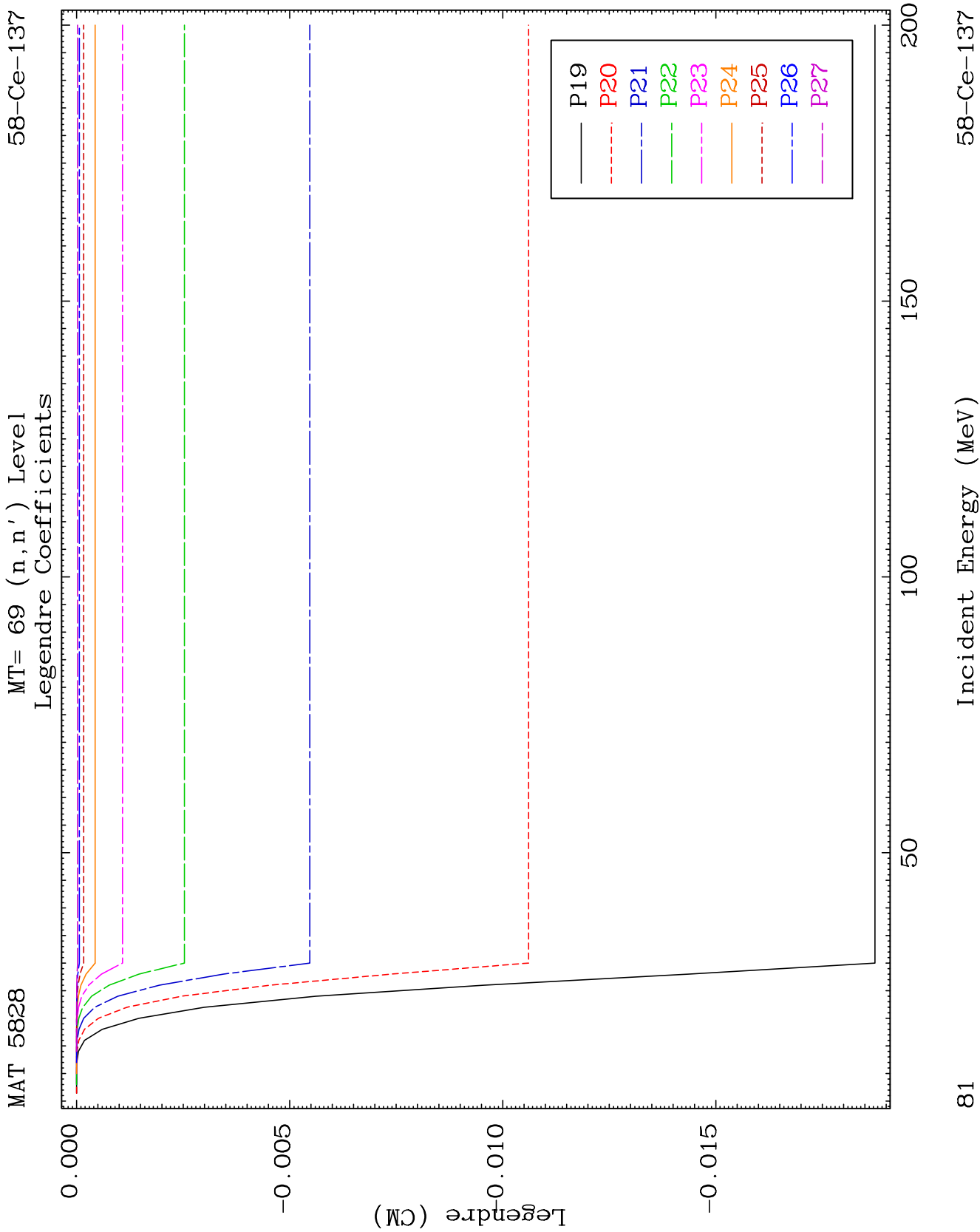


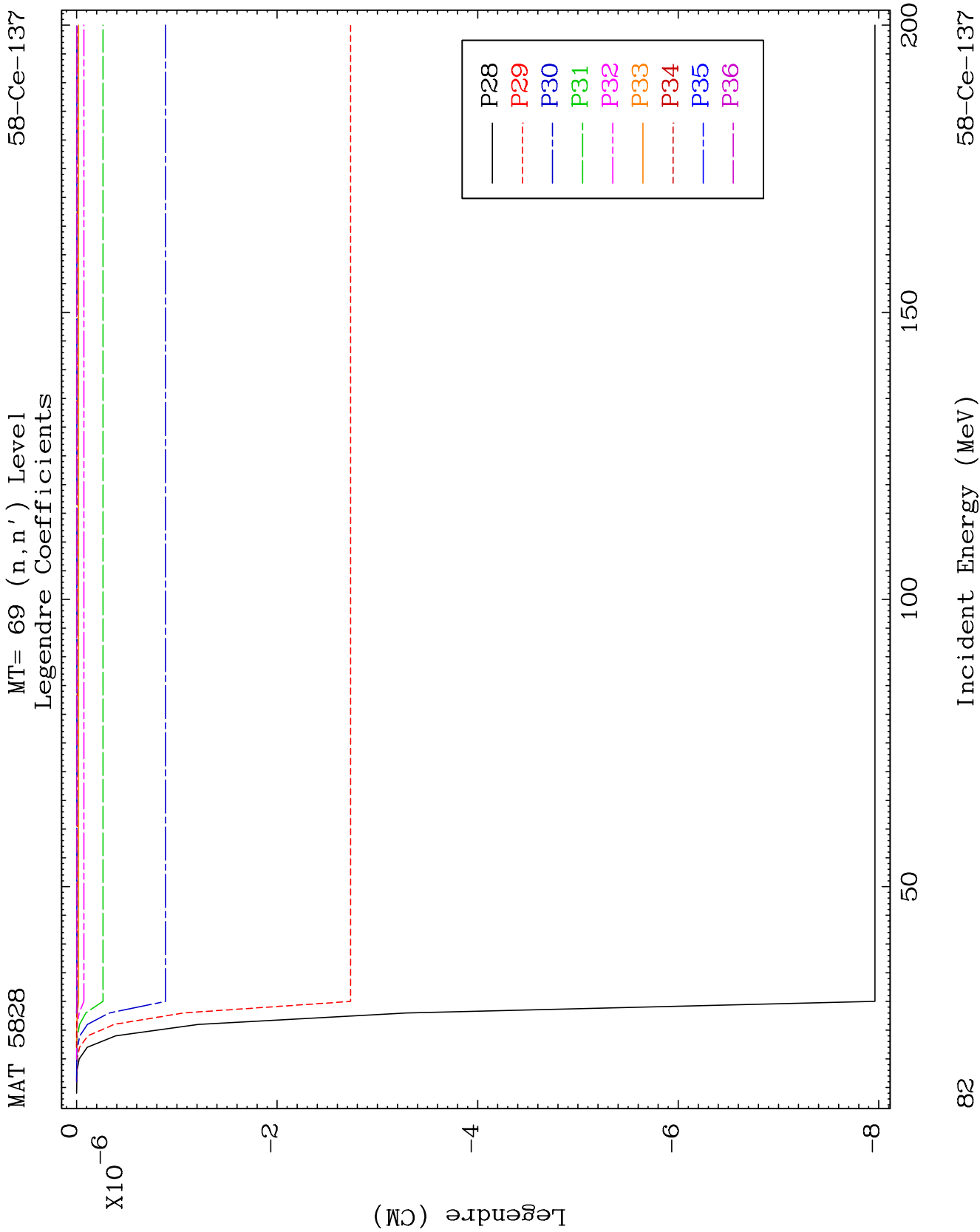








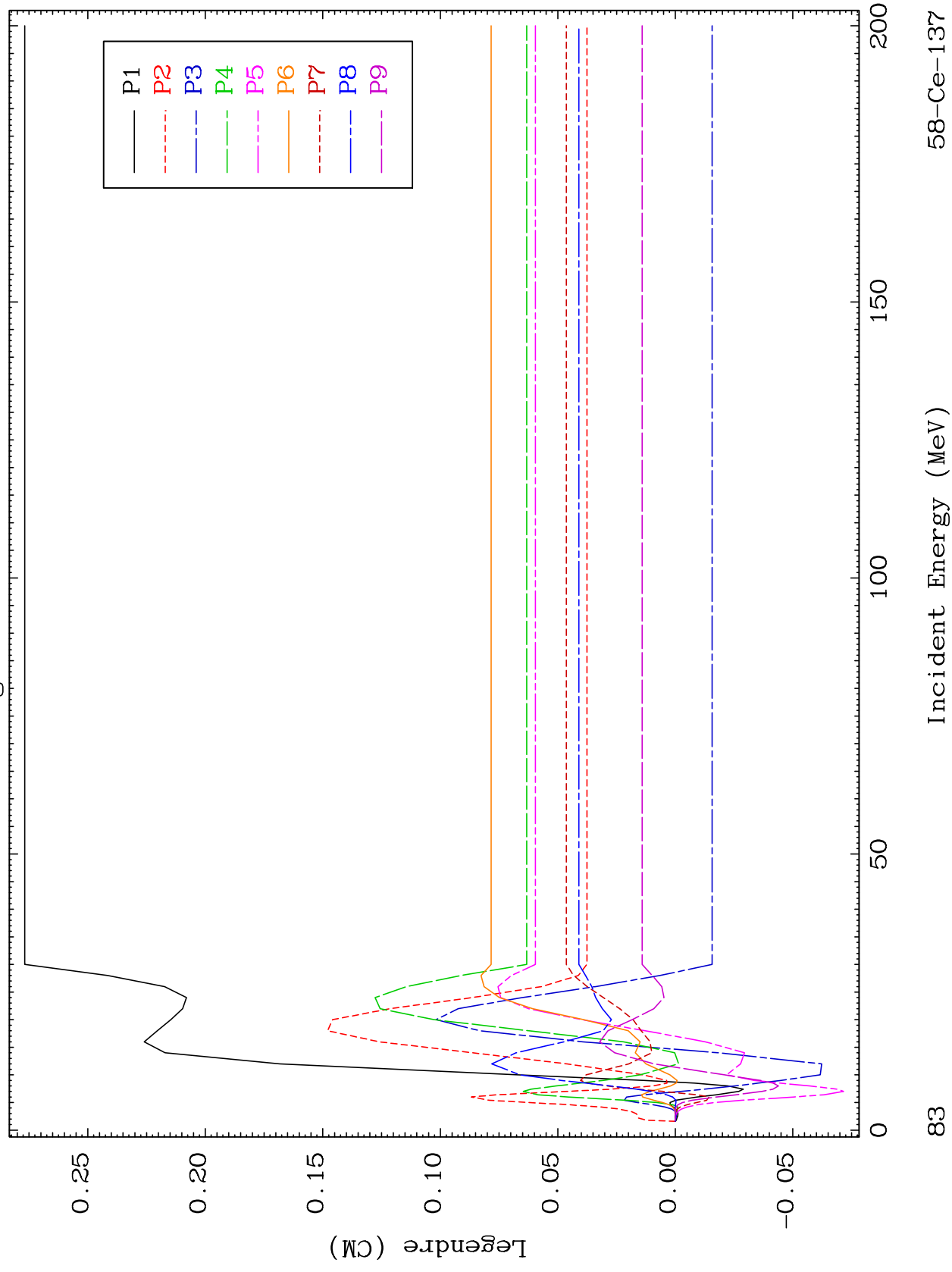


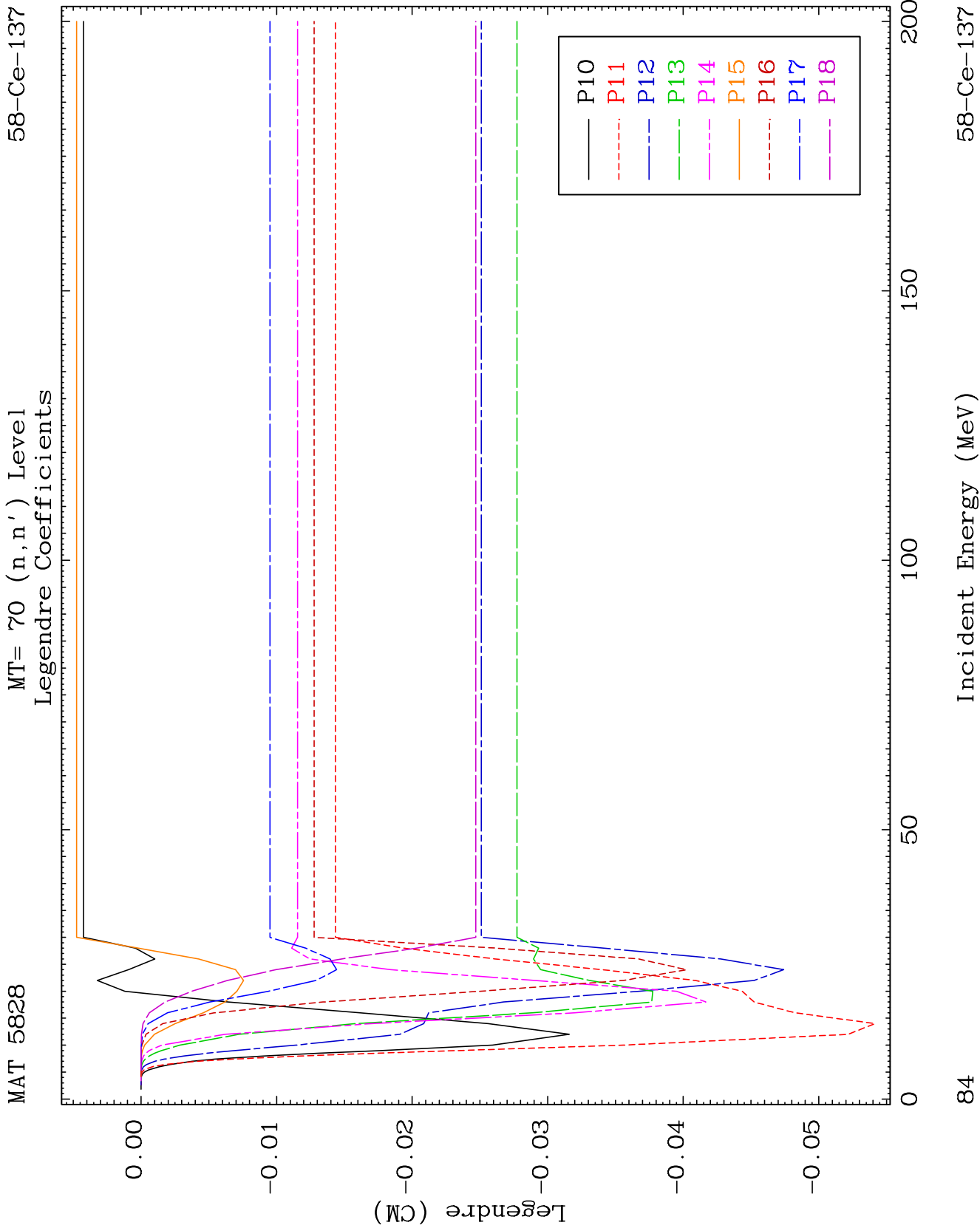


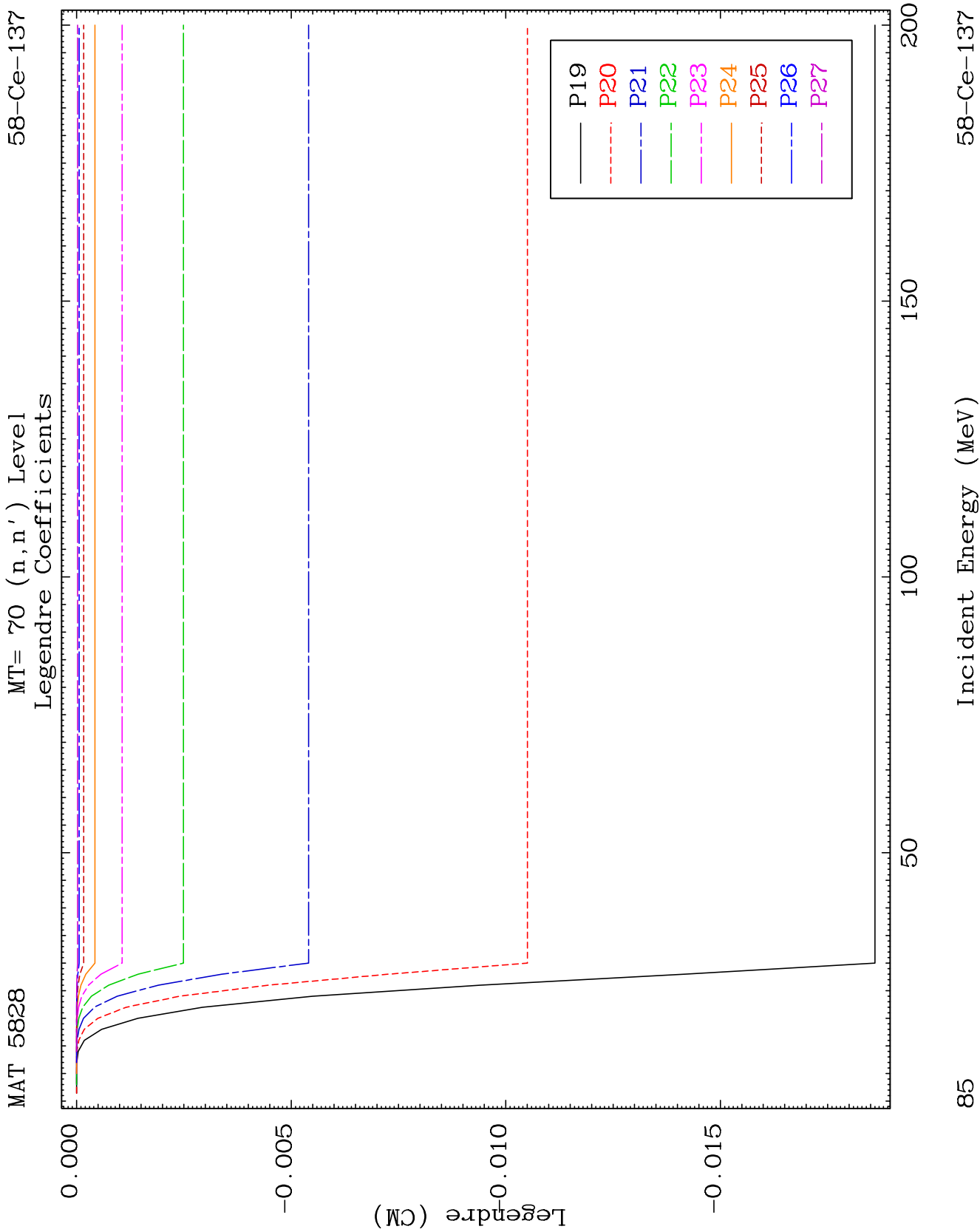
MAT 5828

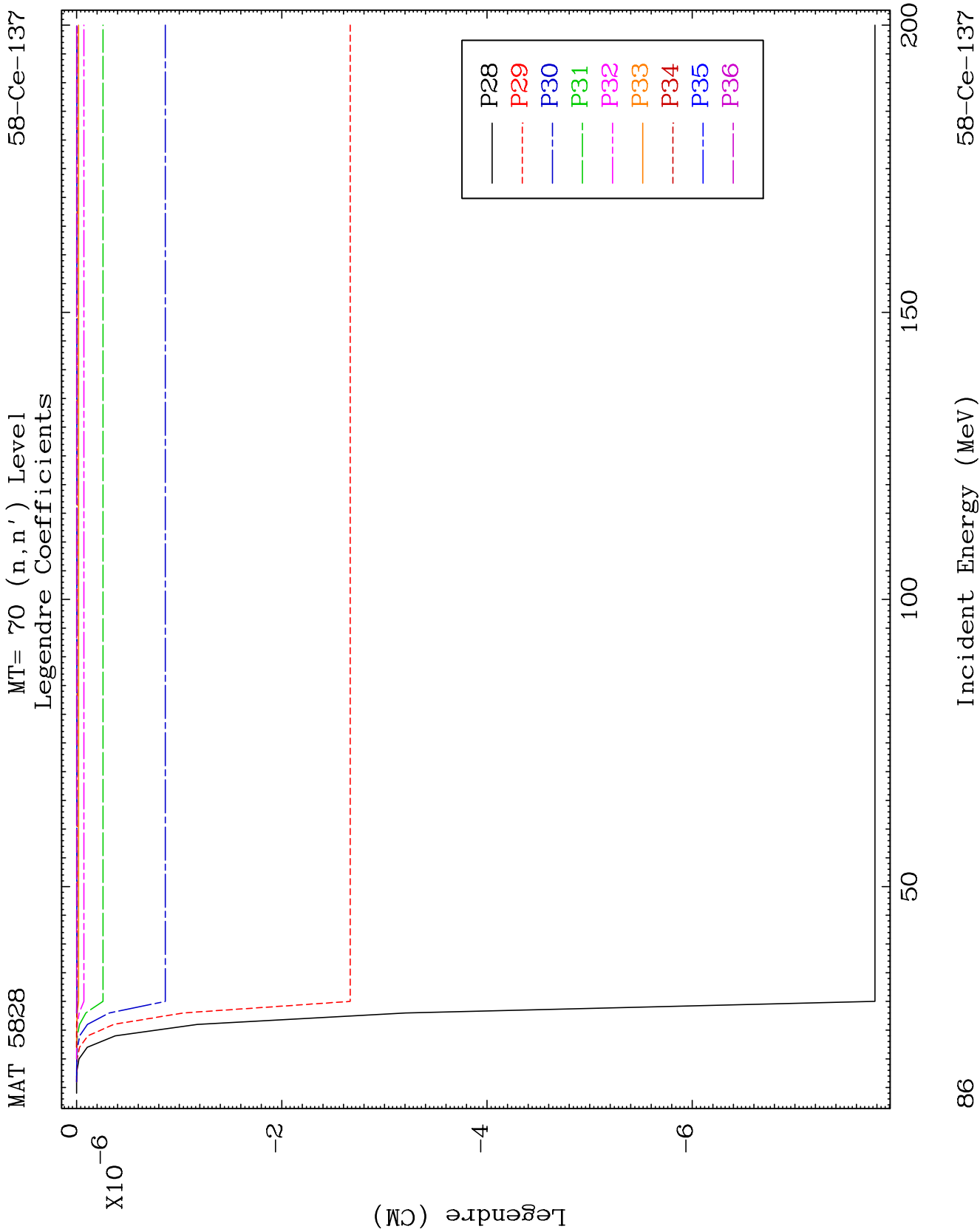
MT= 70 (n, n') Level  
Legendre Coefficients

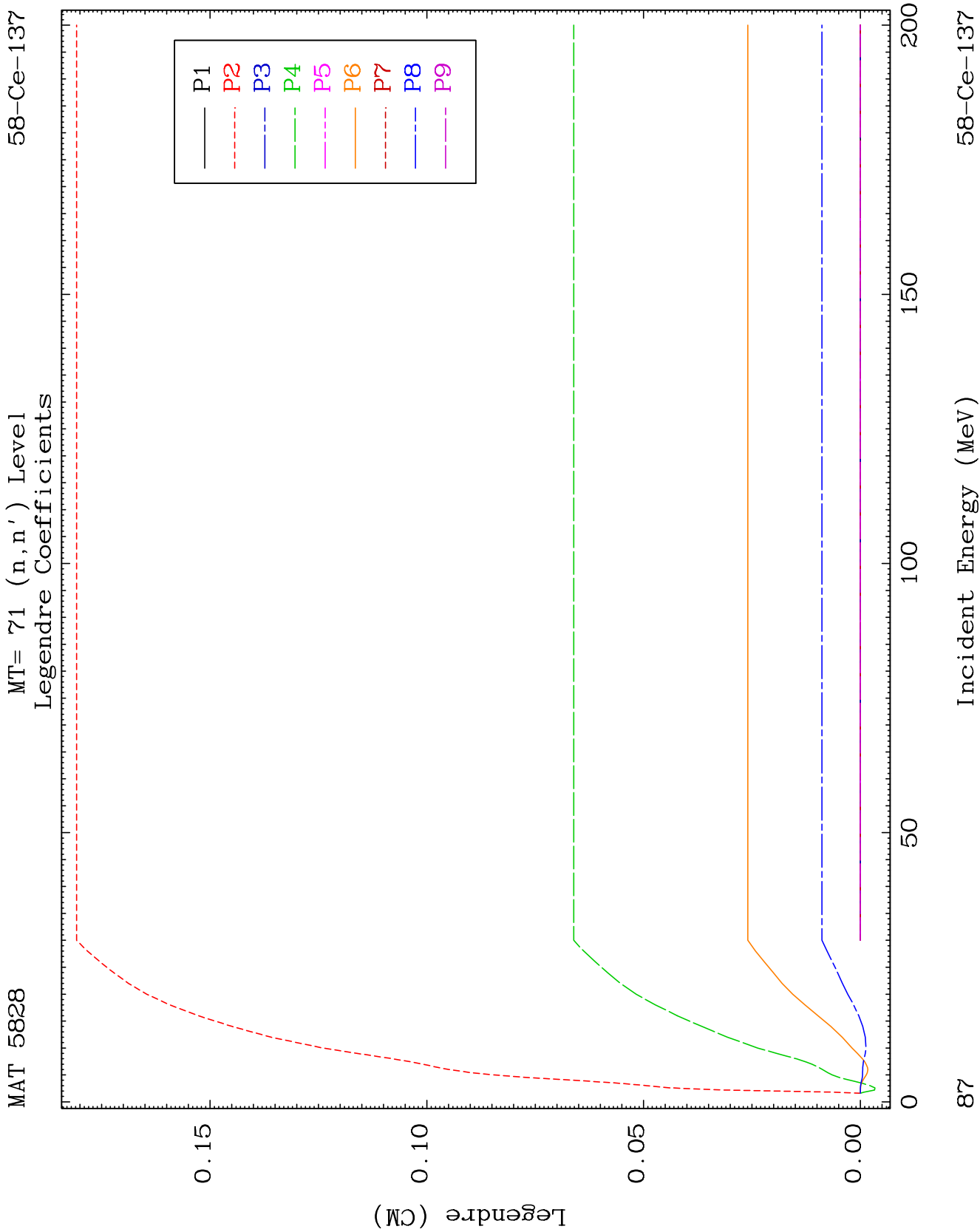
58-Ce-137



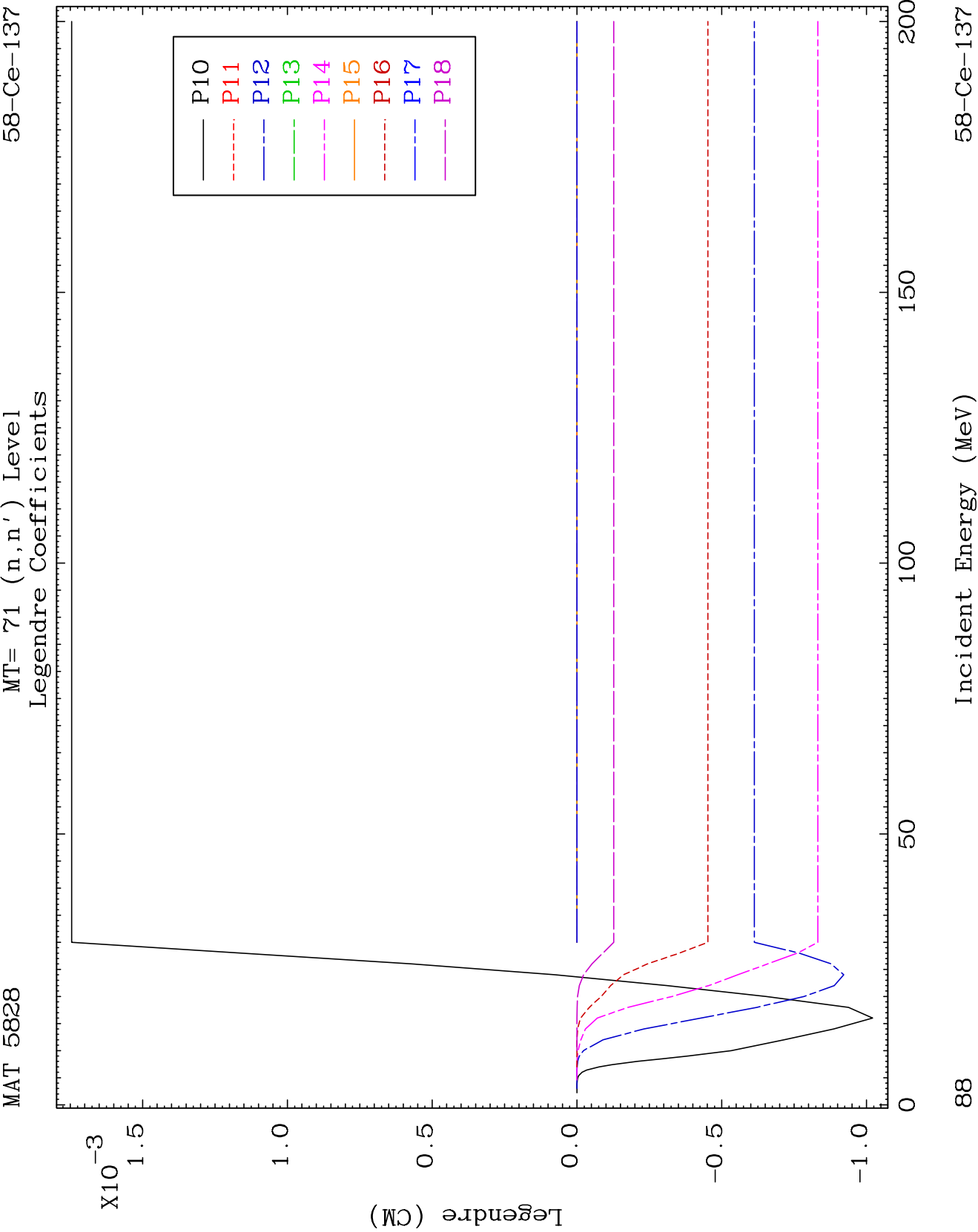


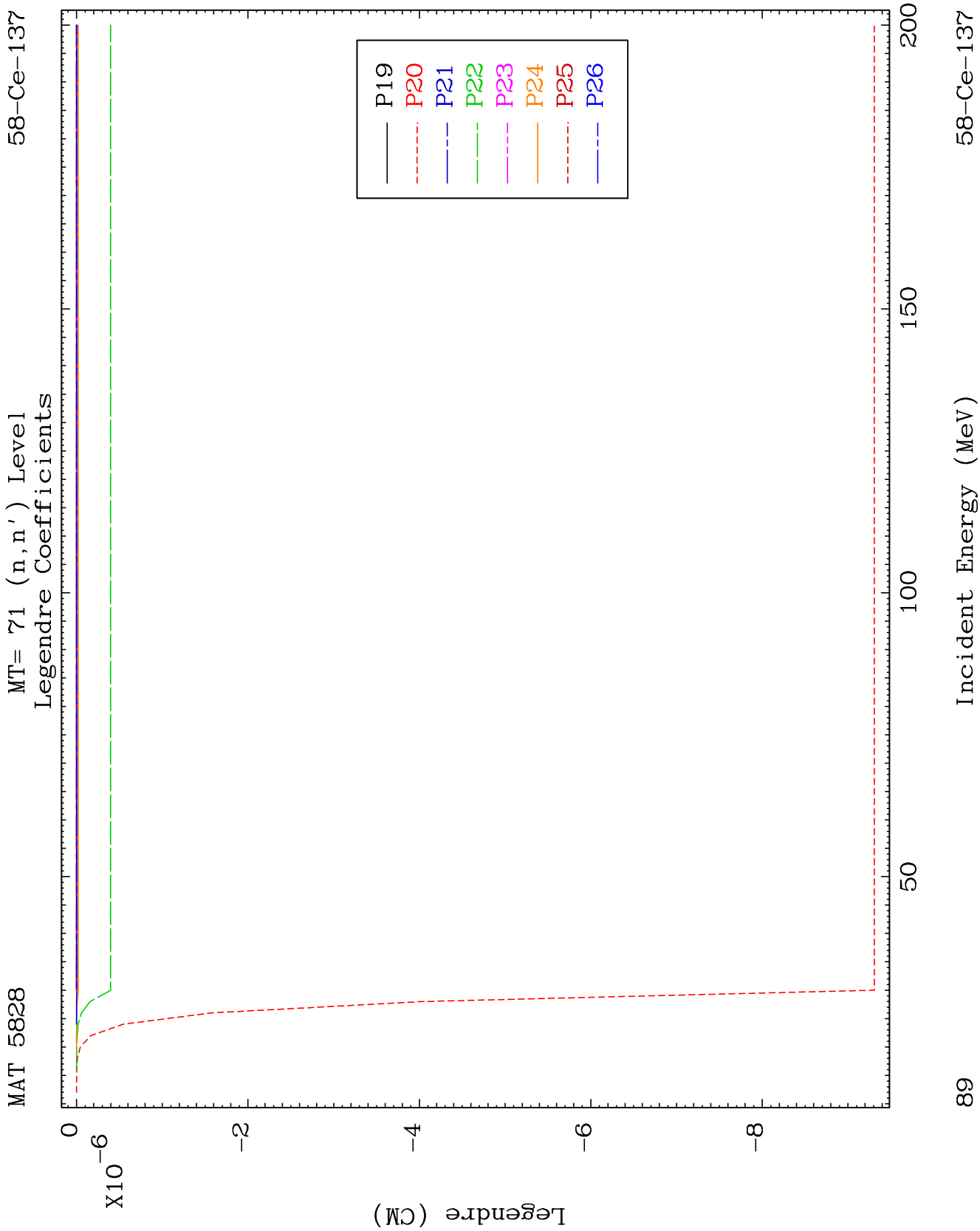








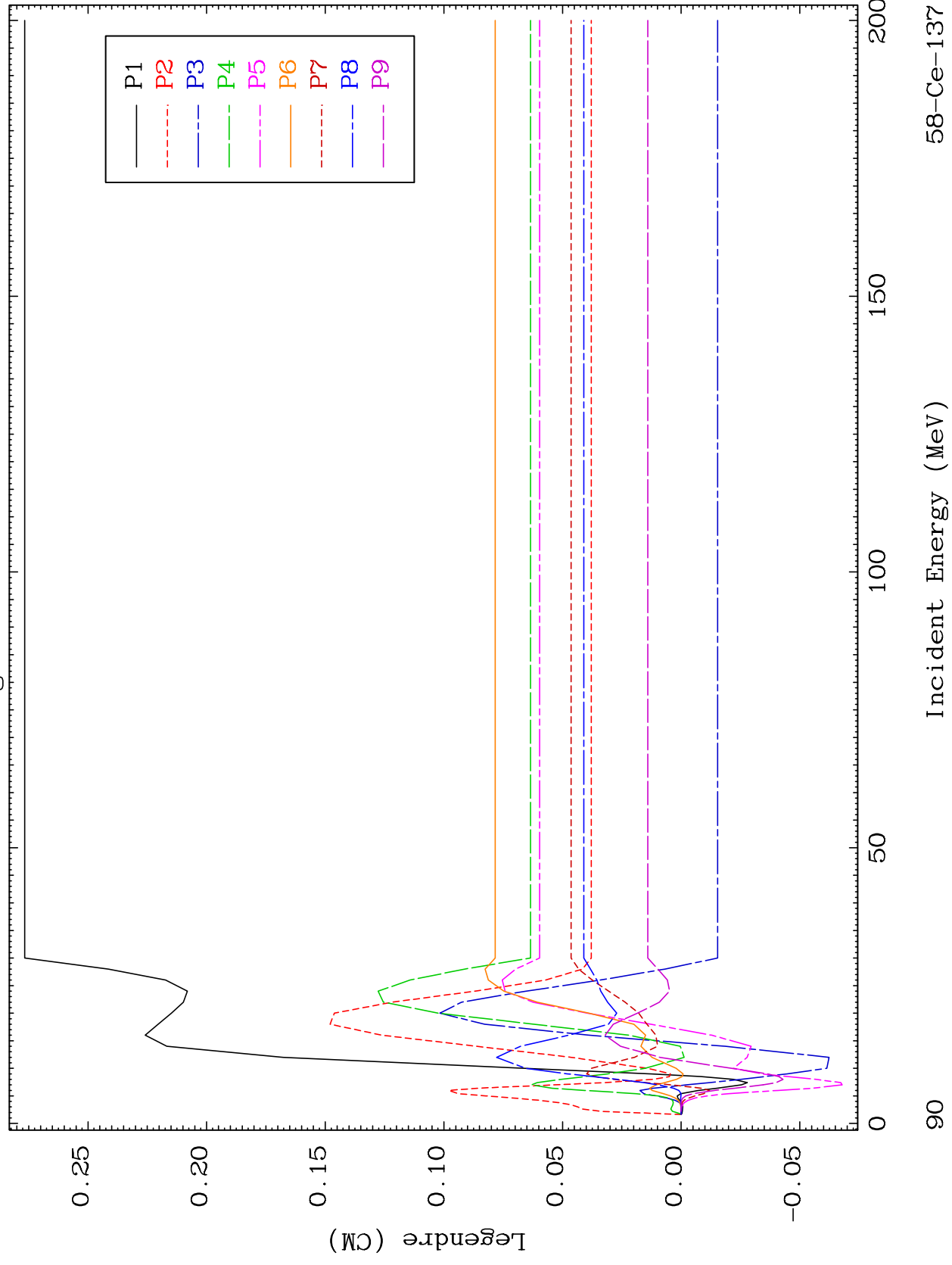


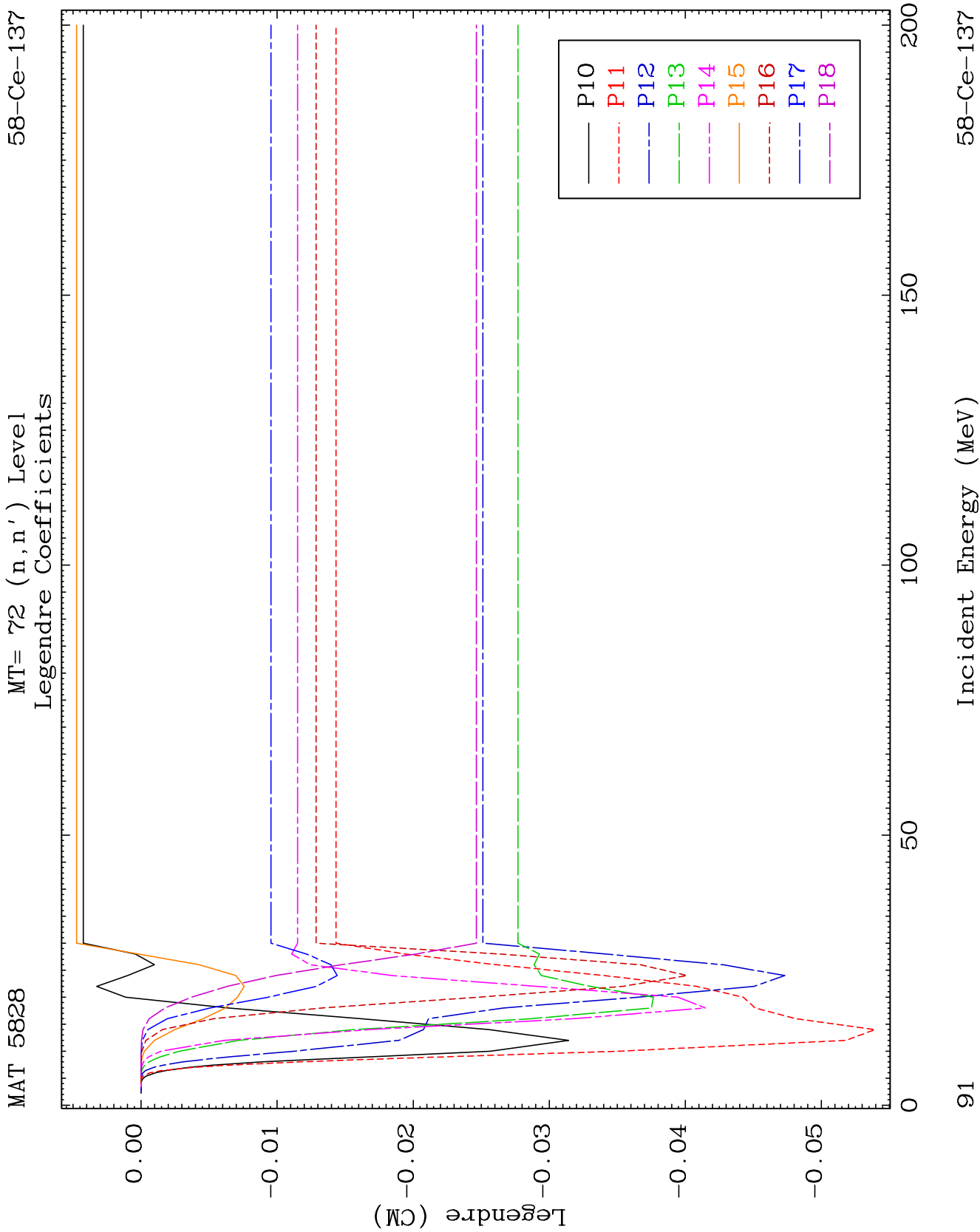


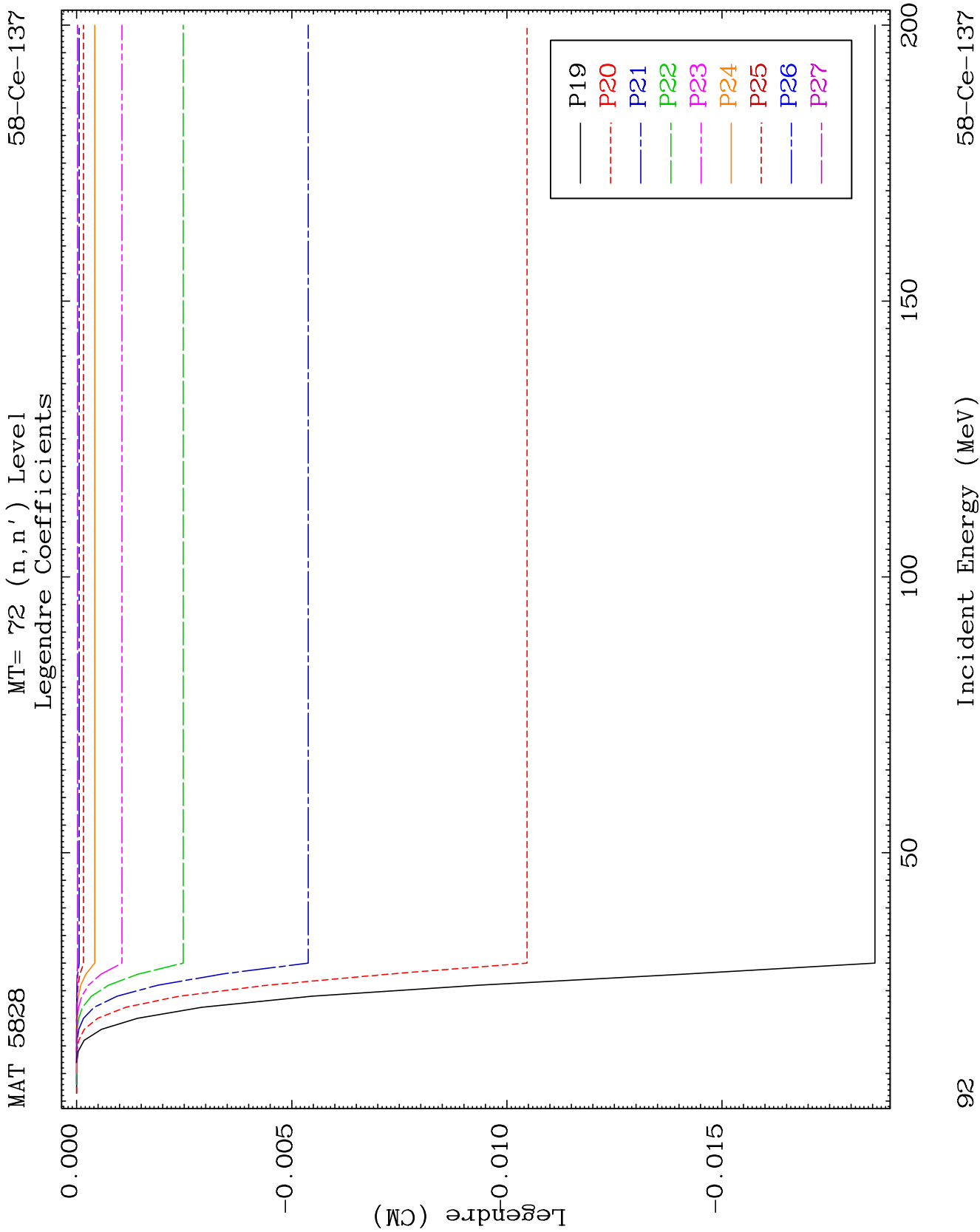
MAT 5828

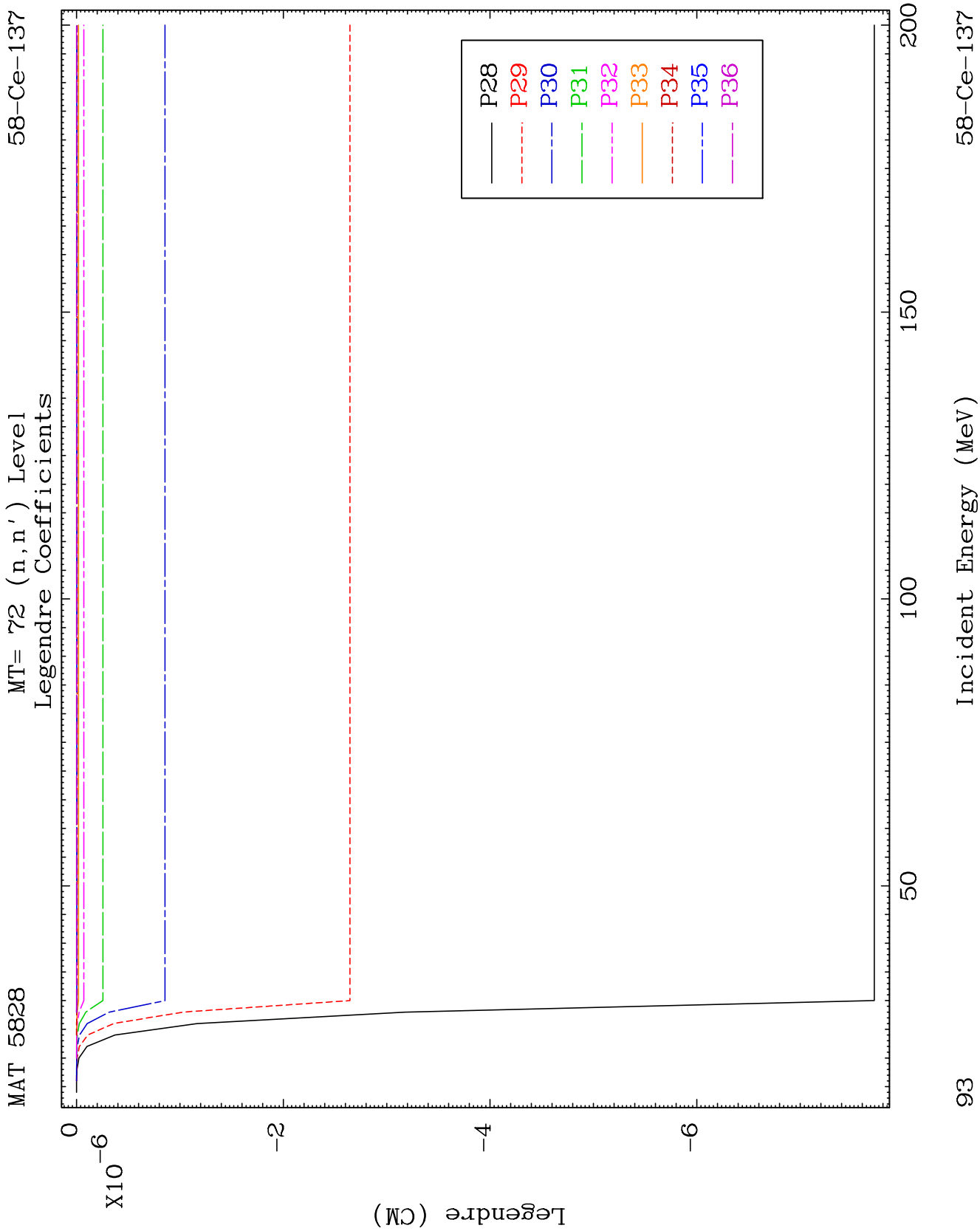
MT= 72 (n, n') Level  
Legendre Coefficients

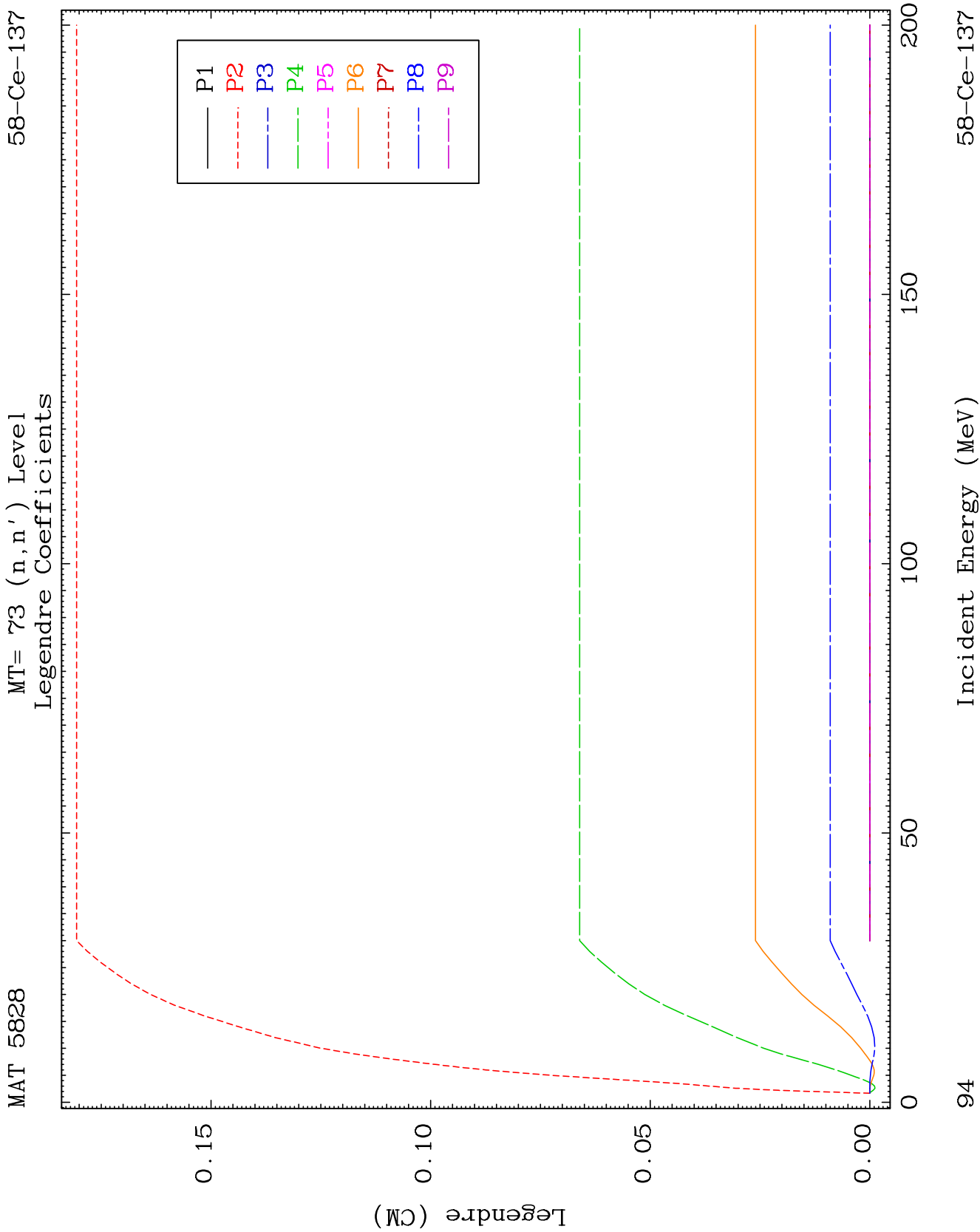
58-Ce-137

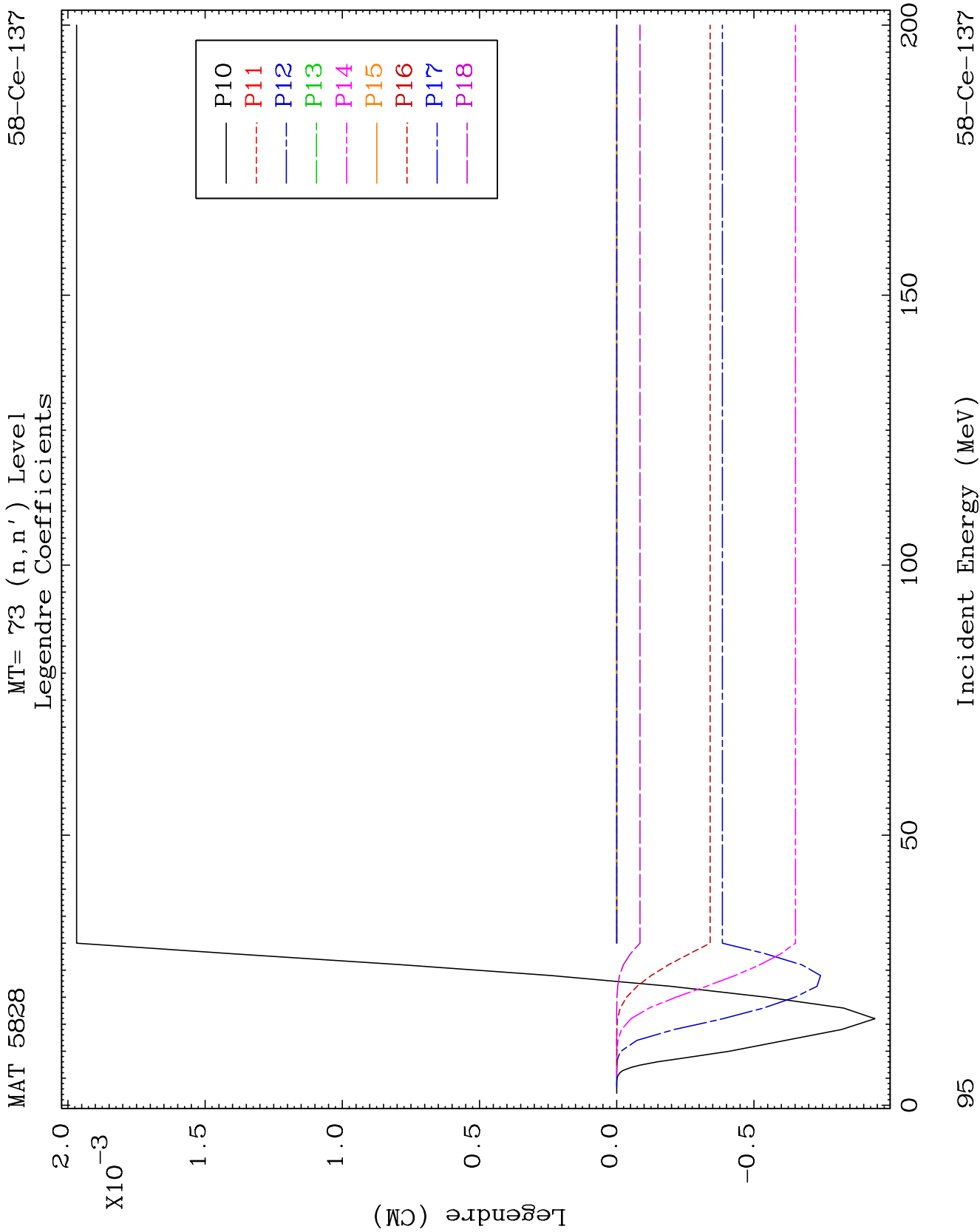




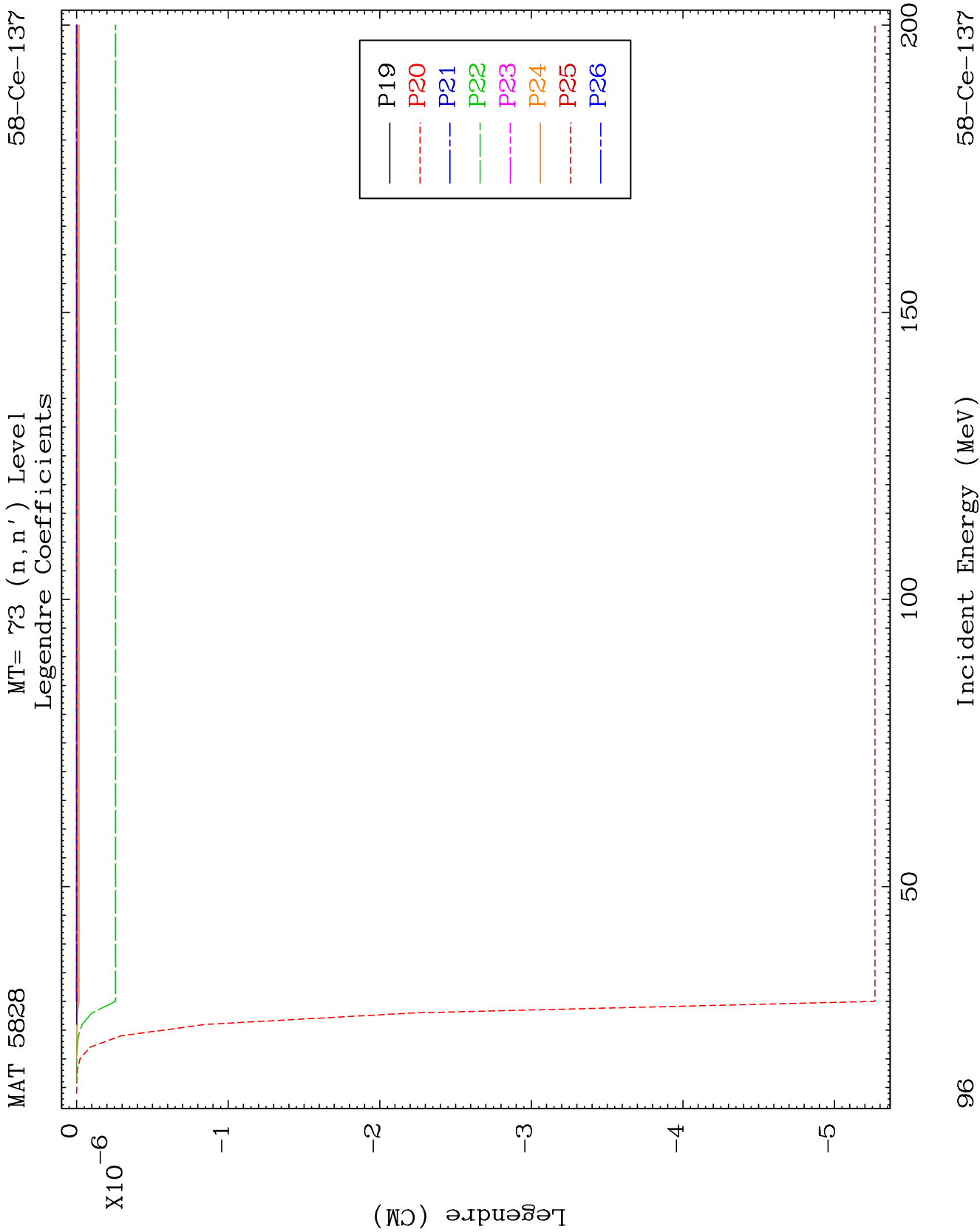


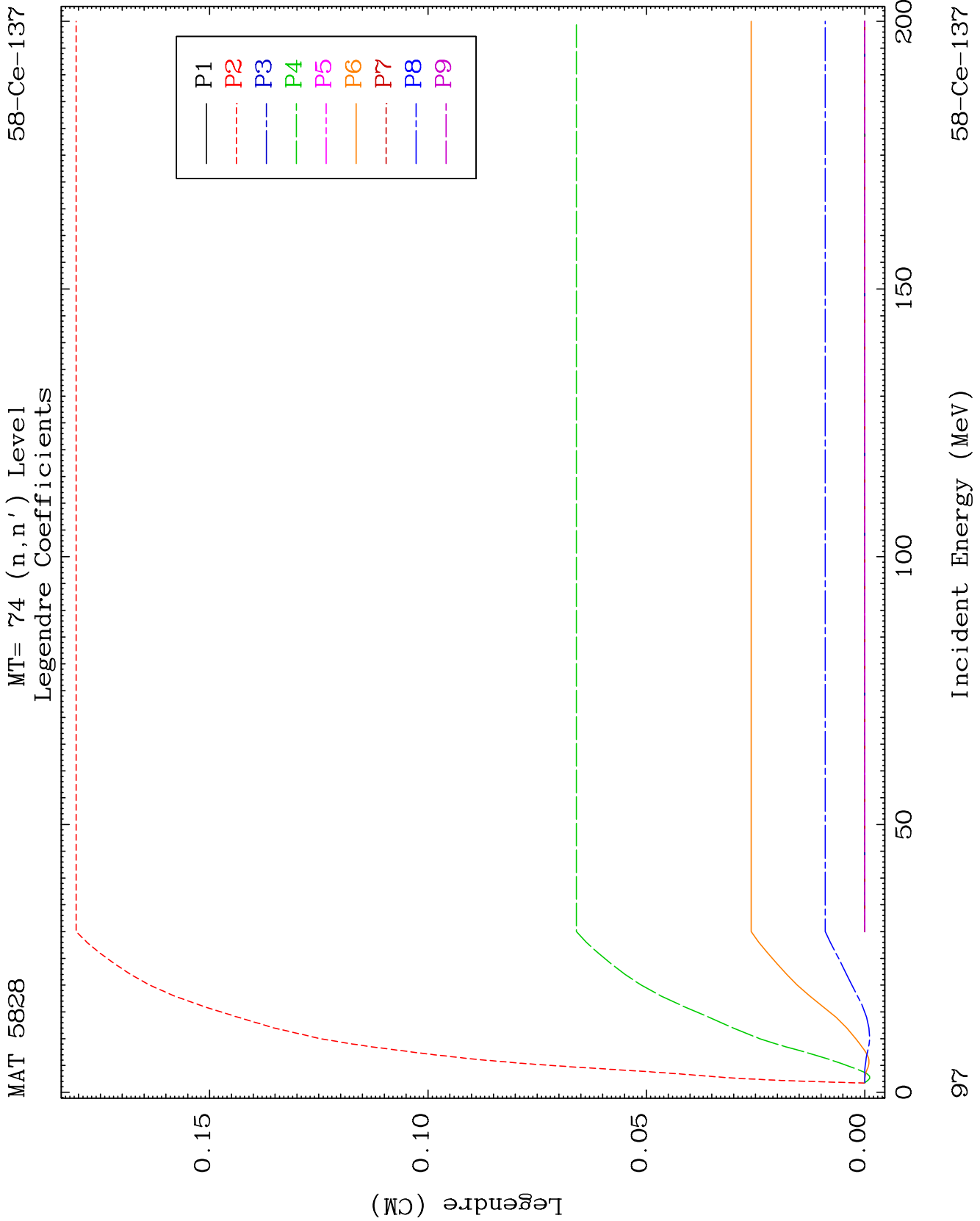


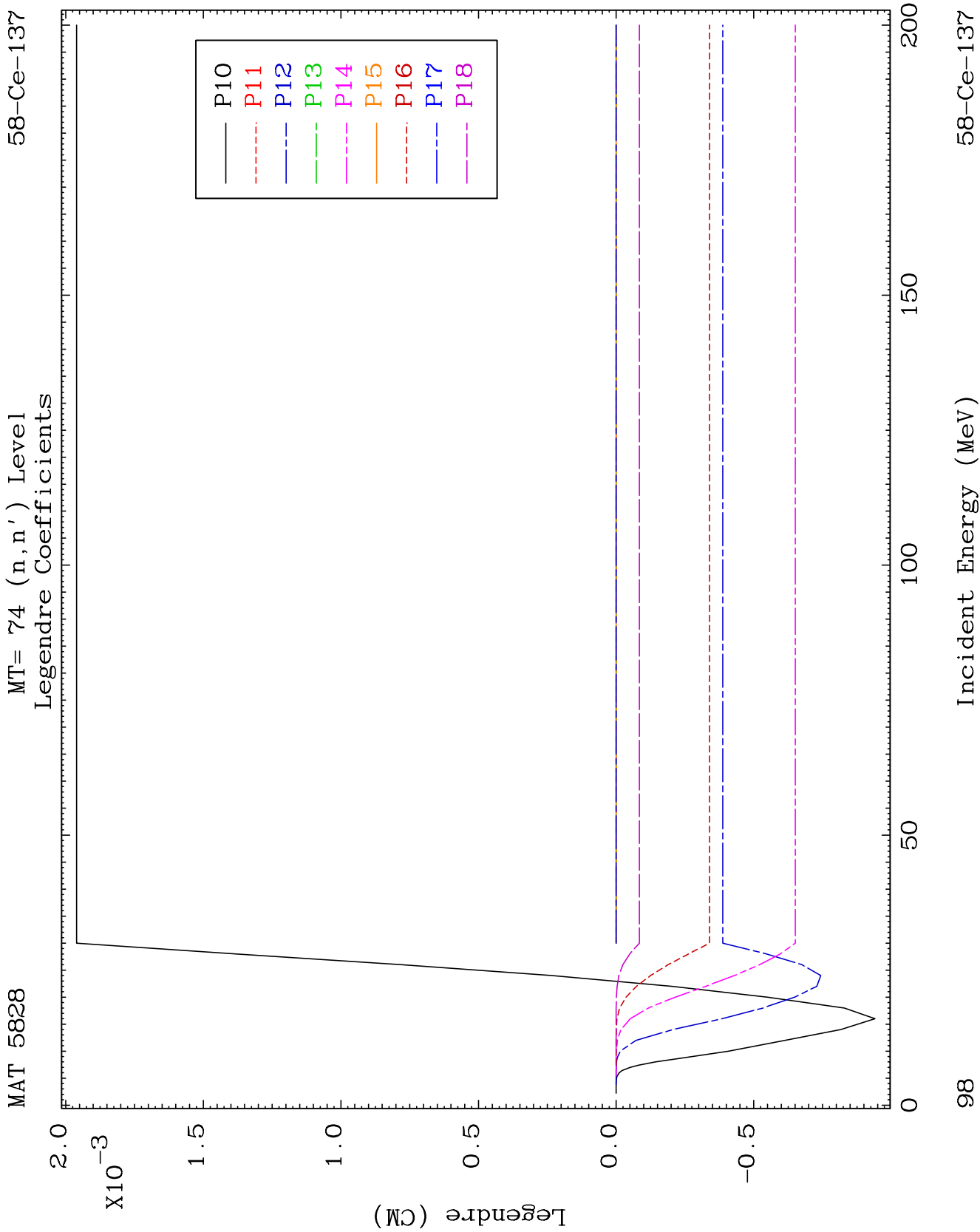


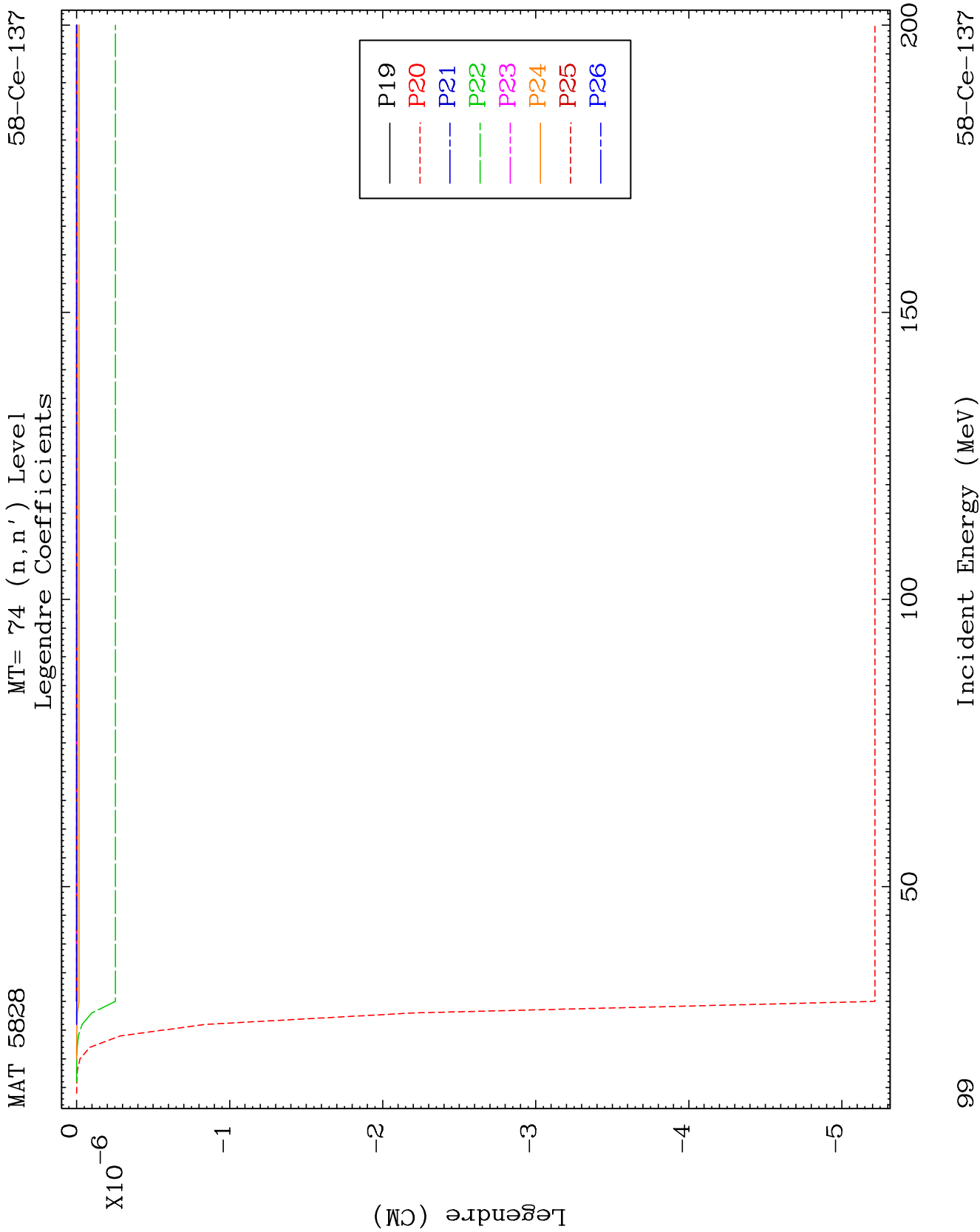








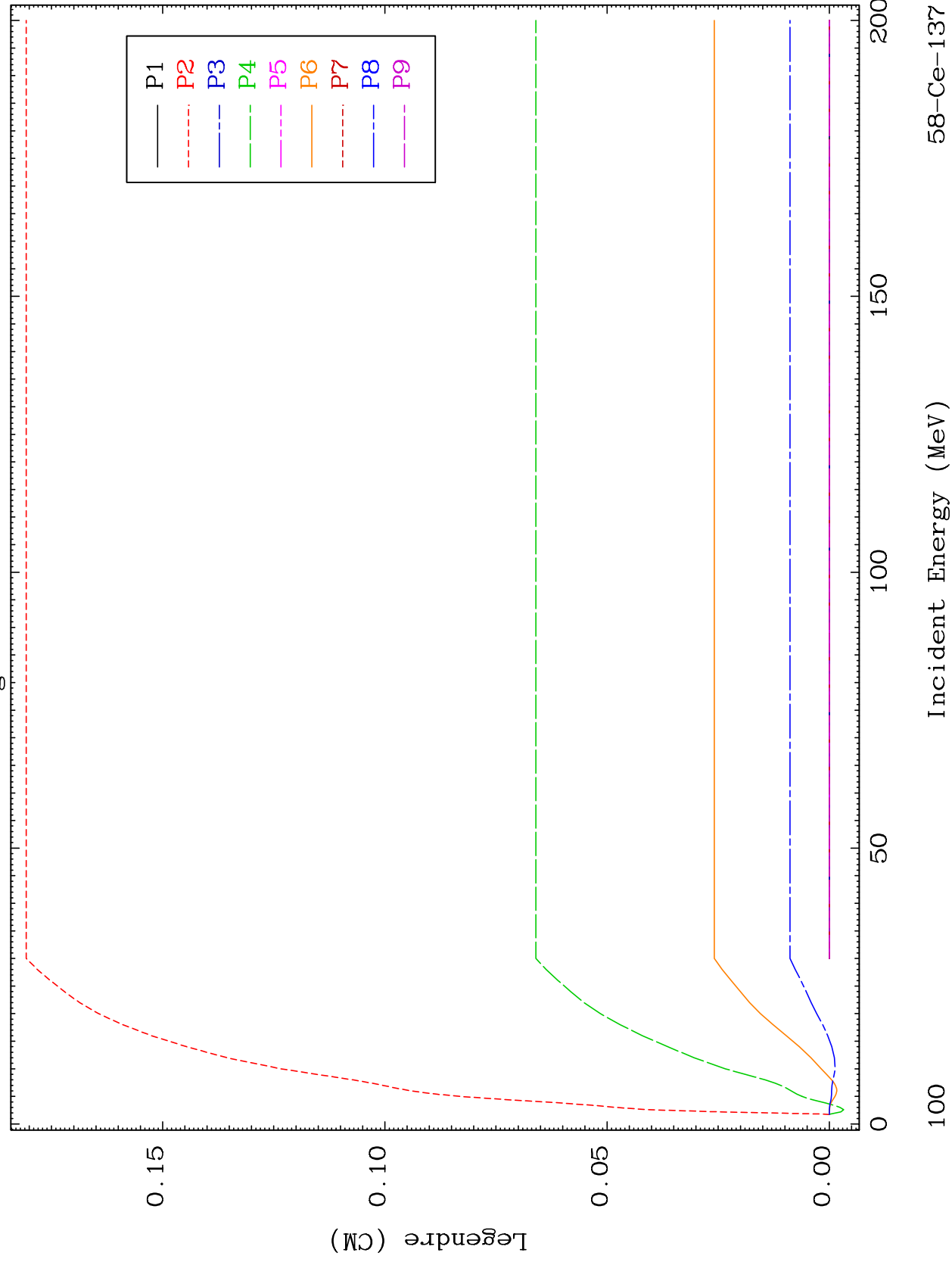




MAT 5828

MT= 75 (n, n') Level  
Legendre Coefficients

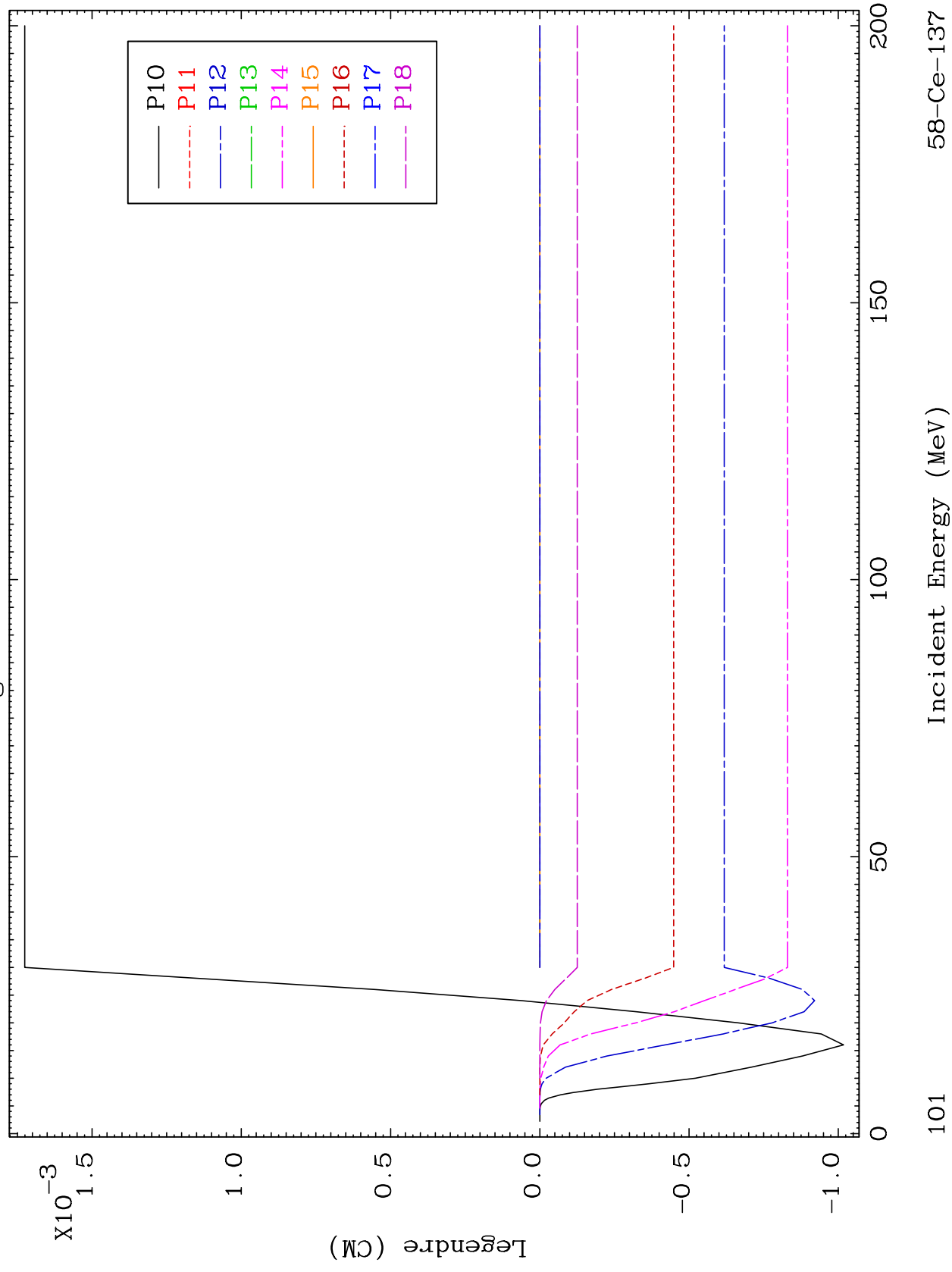
58-Ce-137

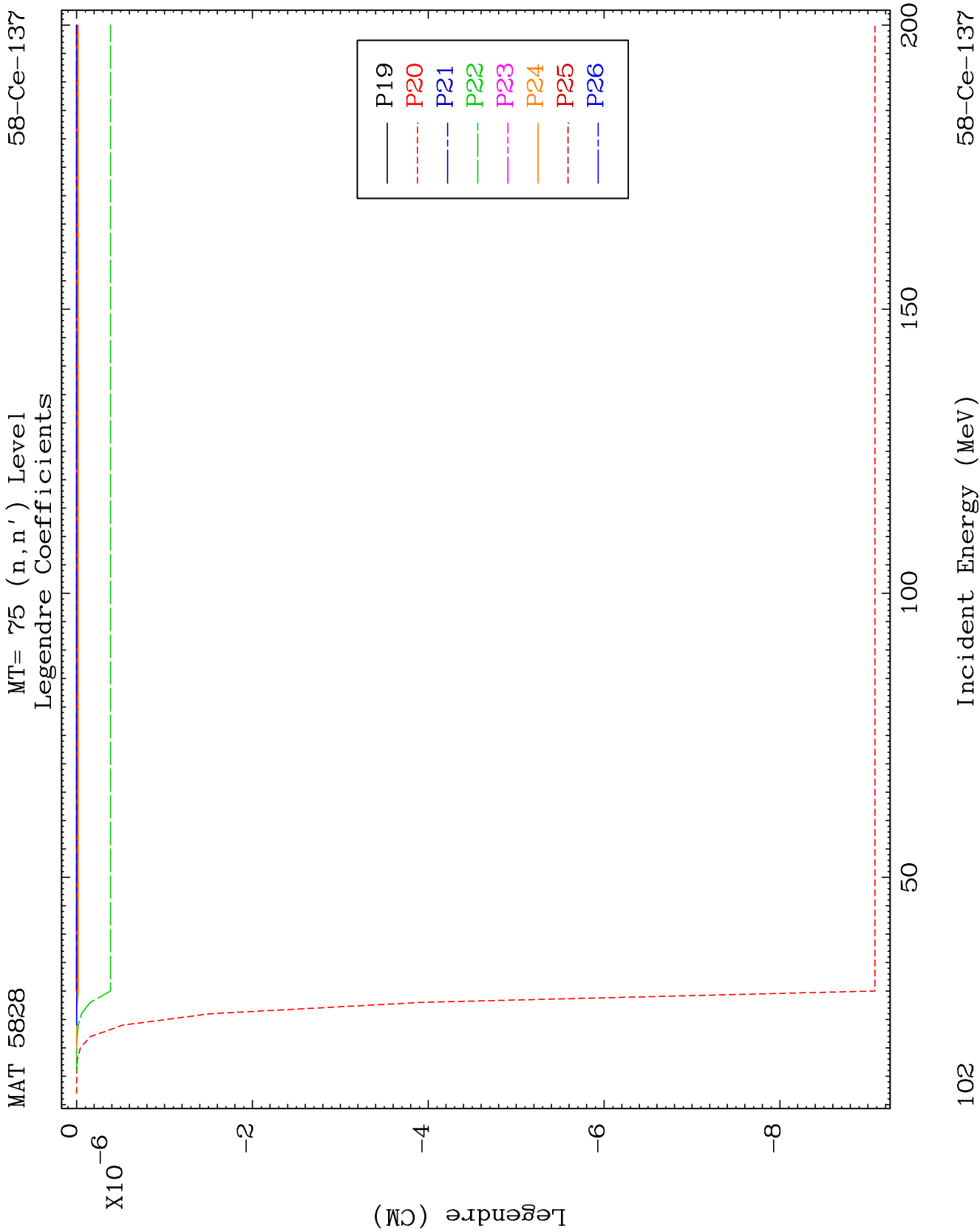


MAT 5828

MT= 75 (n, n') Level  
Legendre Coefficients

58-Ce-137

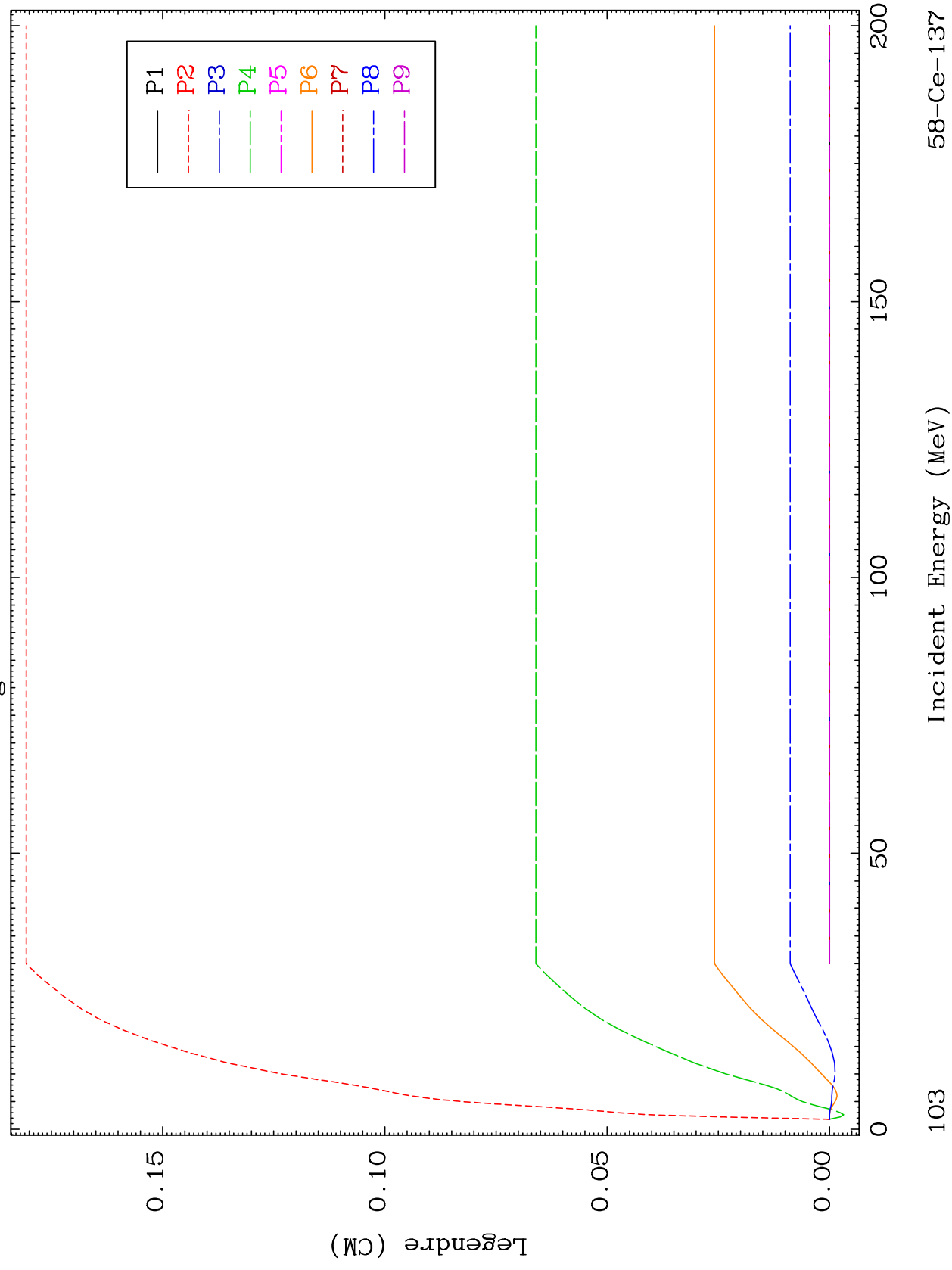




MAT 5828

MT= 76 (n, n') Level  
Legendre Coefficients

58-Ce-137

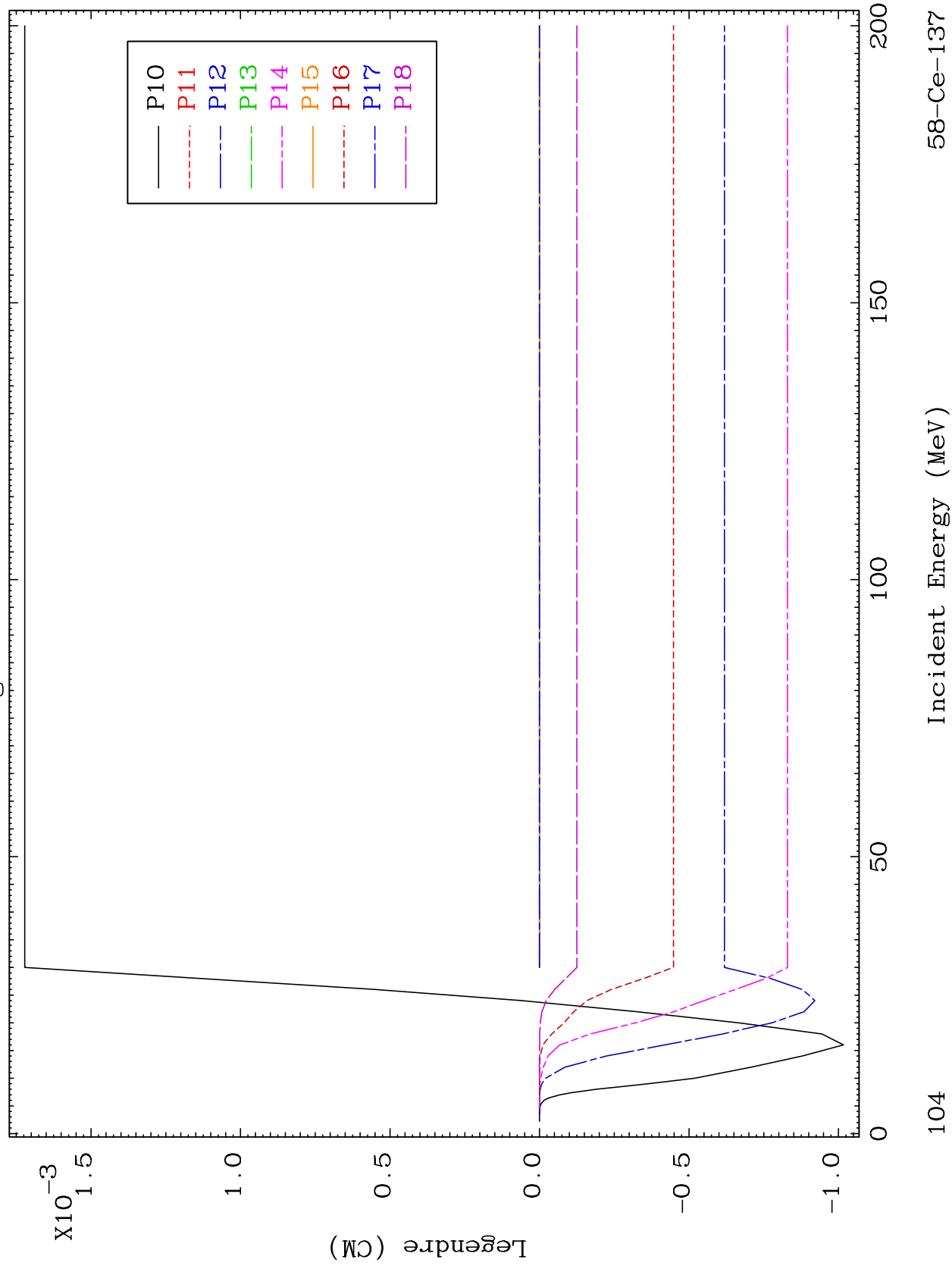


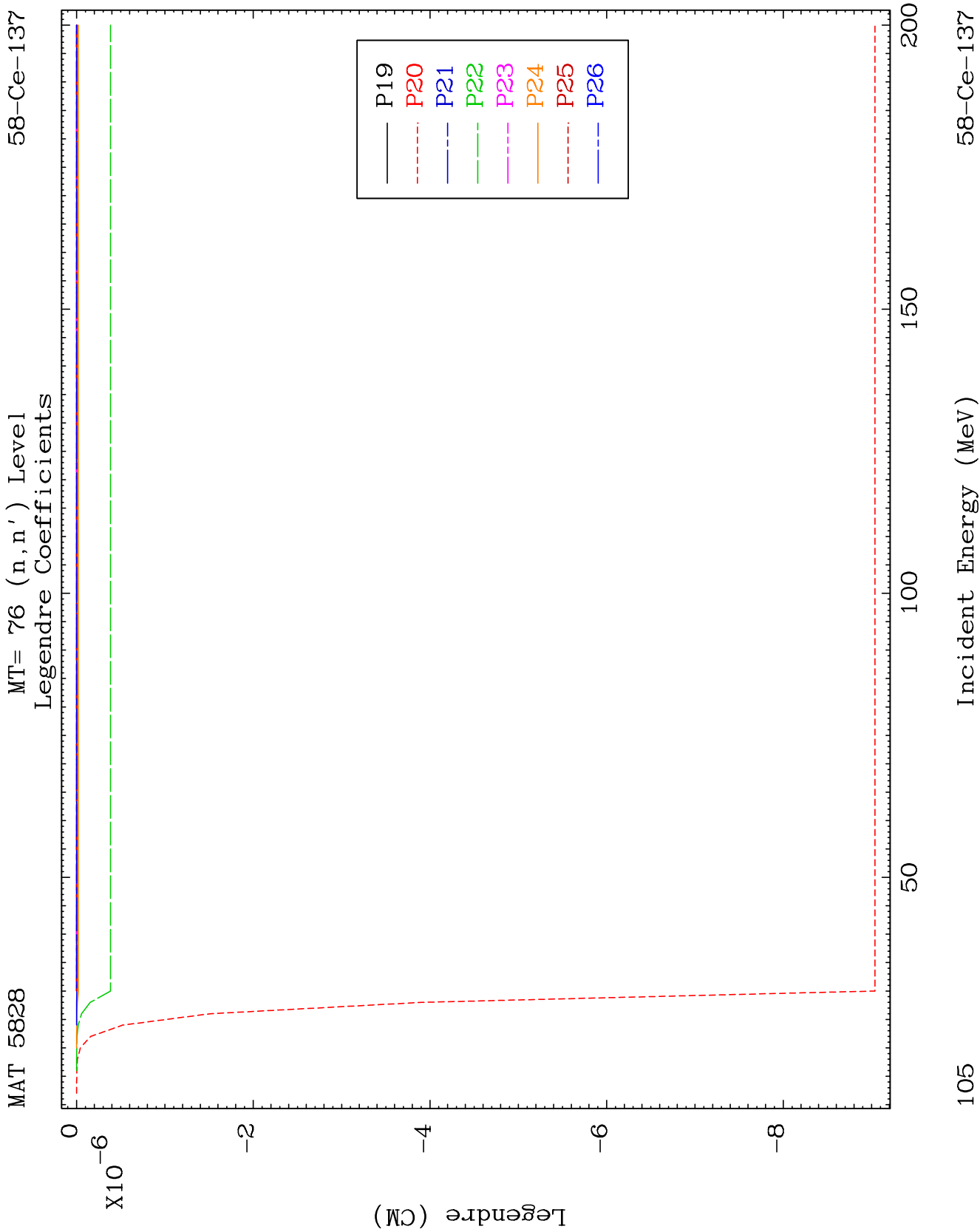


MAT 5828

MT= 76 (n, n') Level  
Legendre Coefficients

58-Ce-137

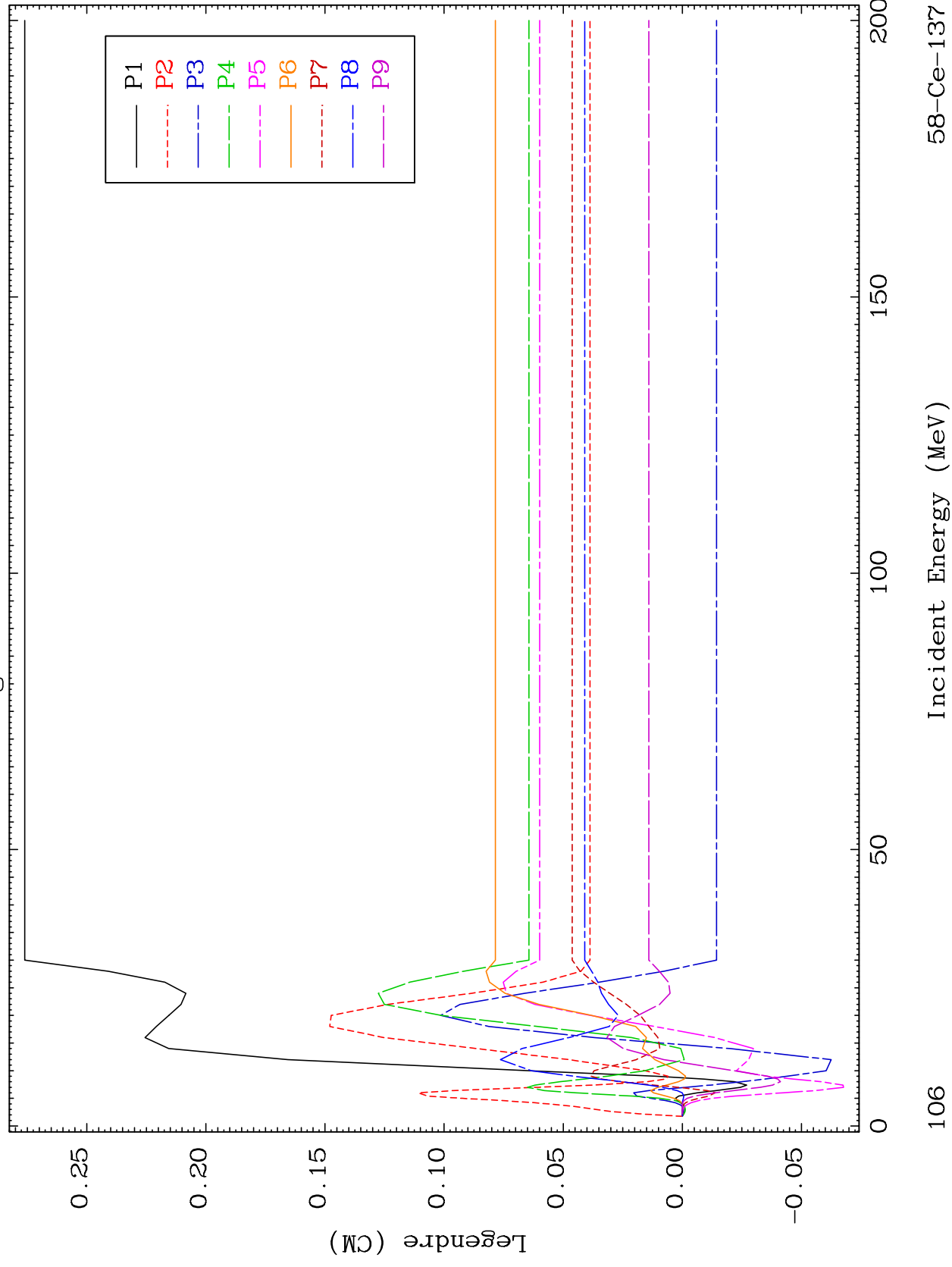


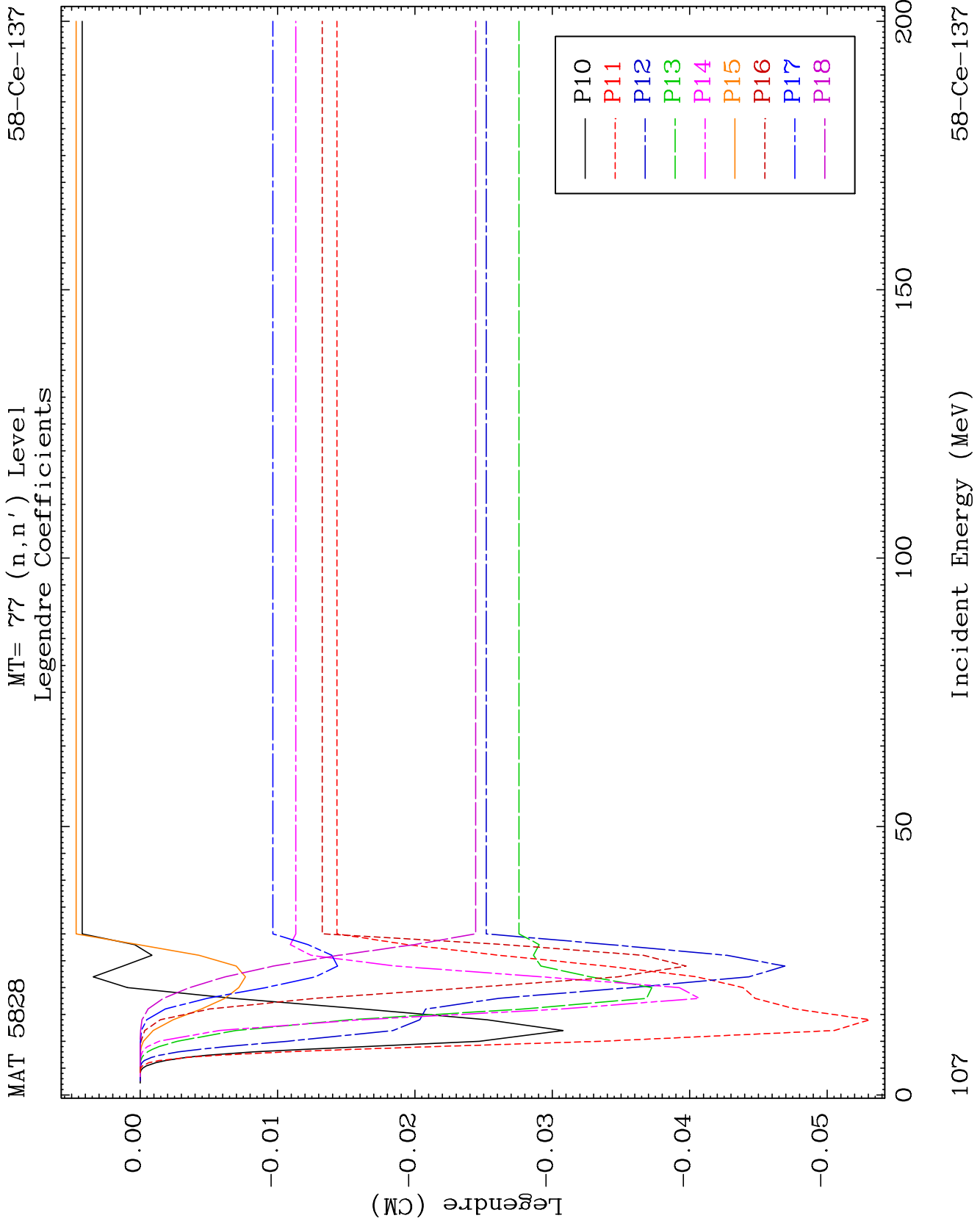


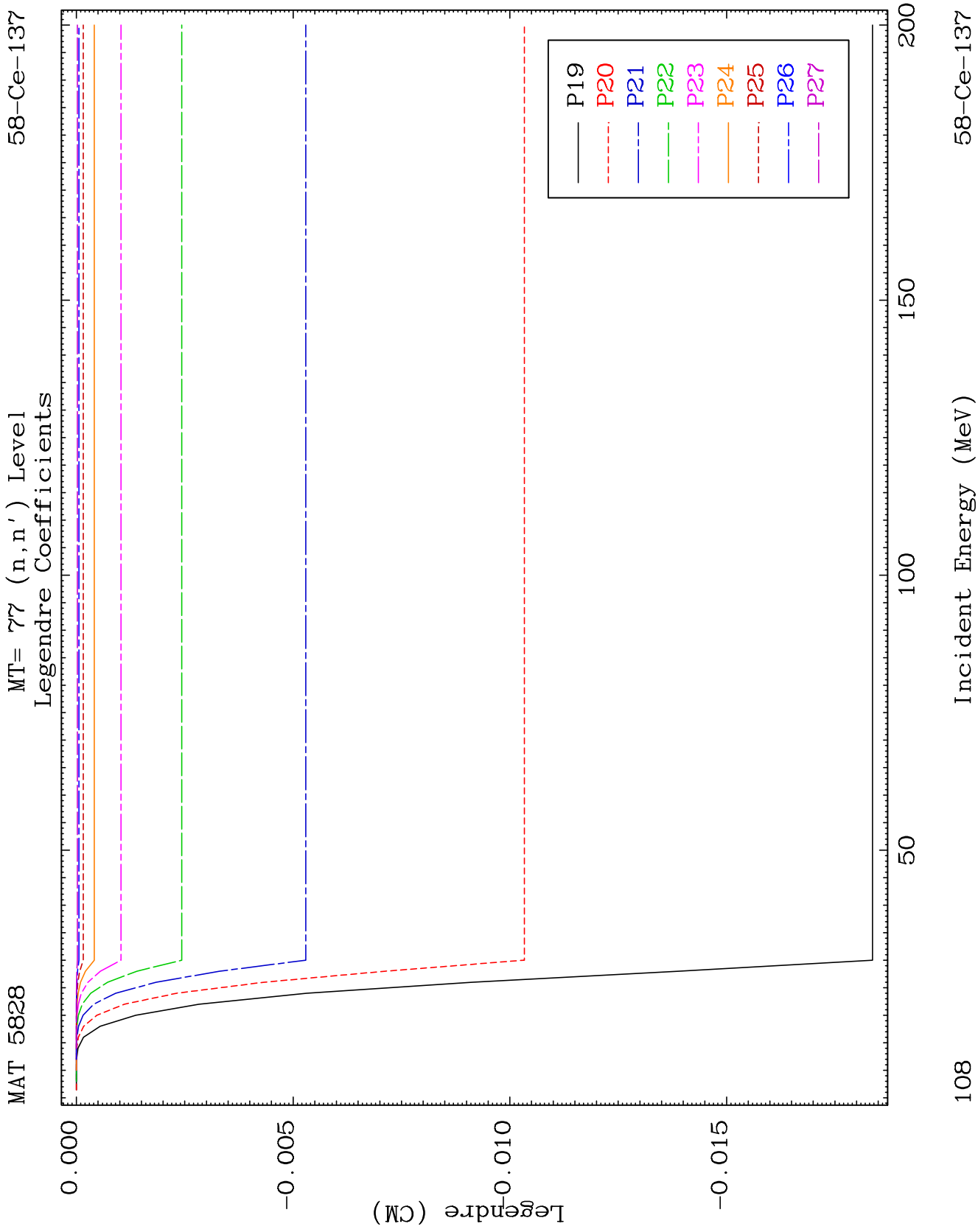
MAT 5828

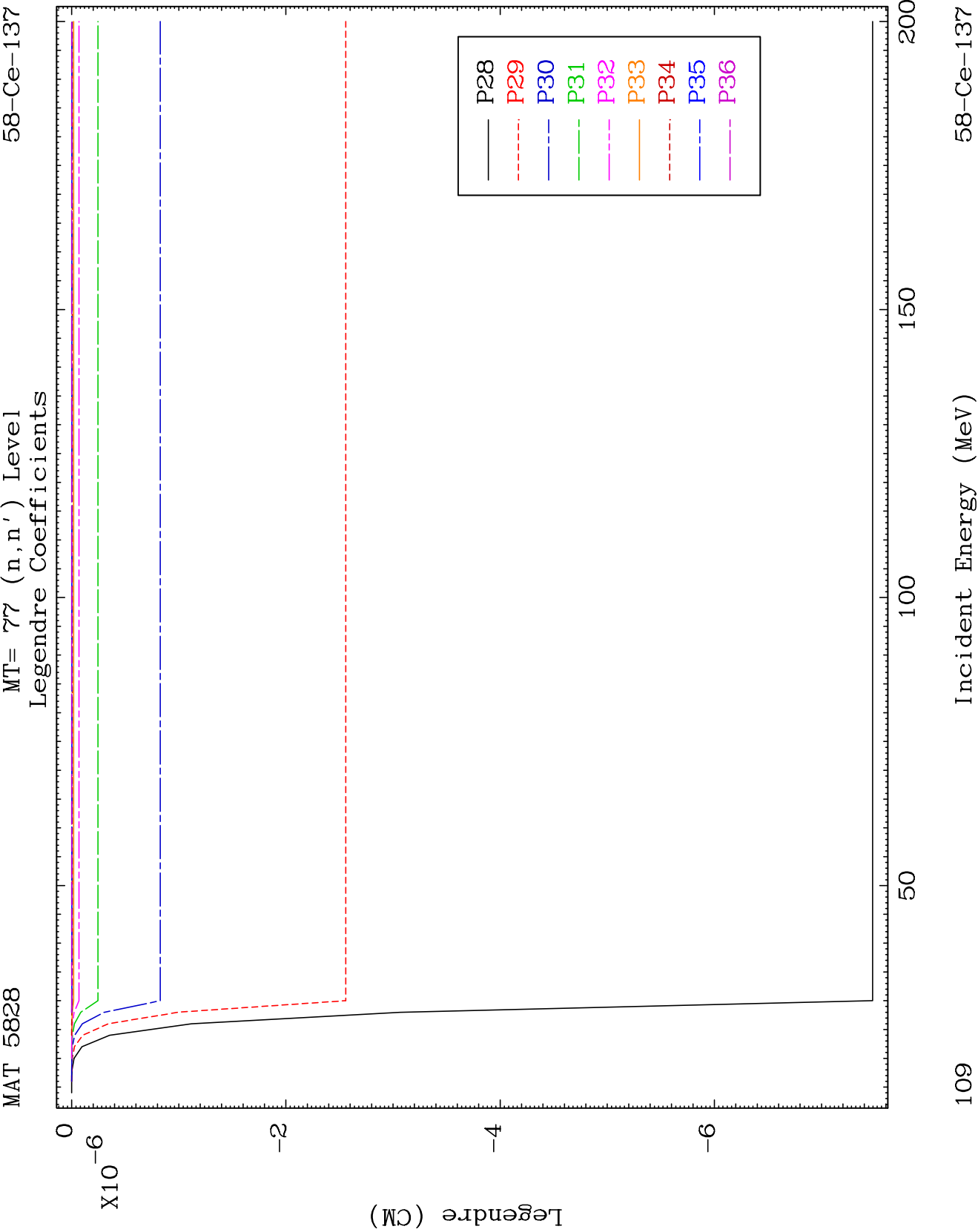
MT= 77 (n, n') Level  
Legendre Coefficients

58-Ce-137





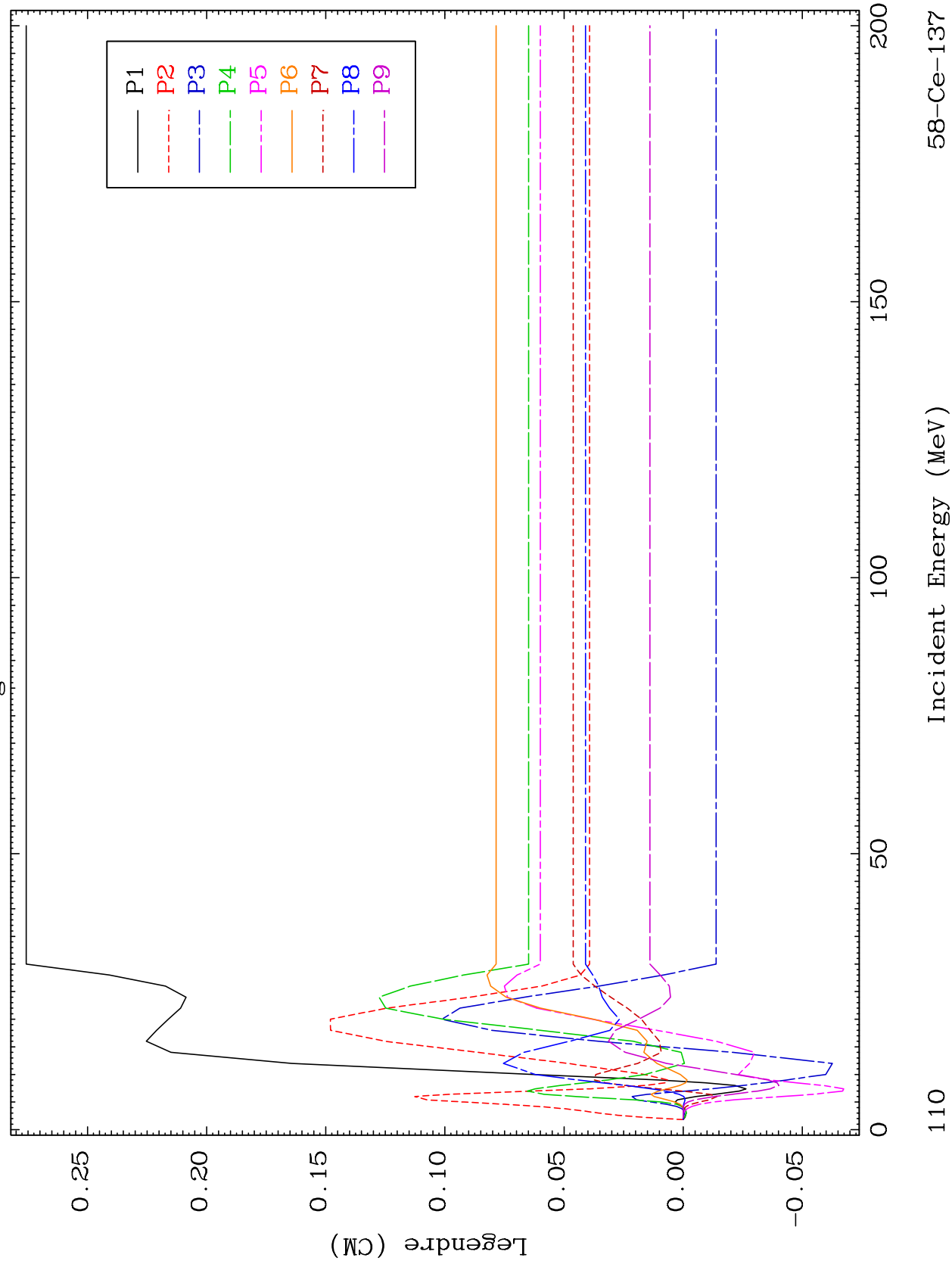


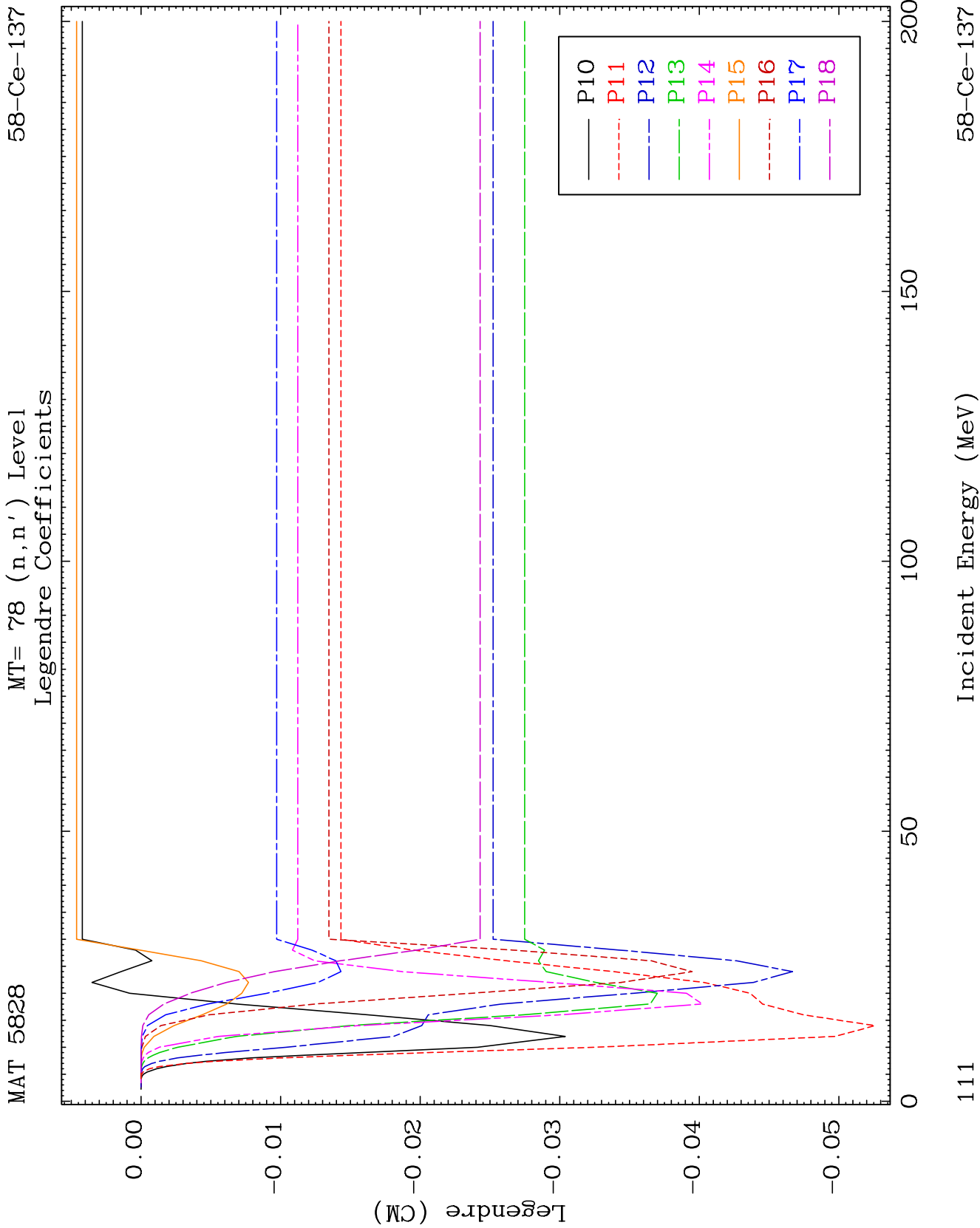


MAT 5828

MT= 78 (n, n') Level  
Legendre Coefficients

58-Ce-137



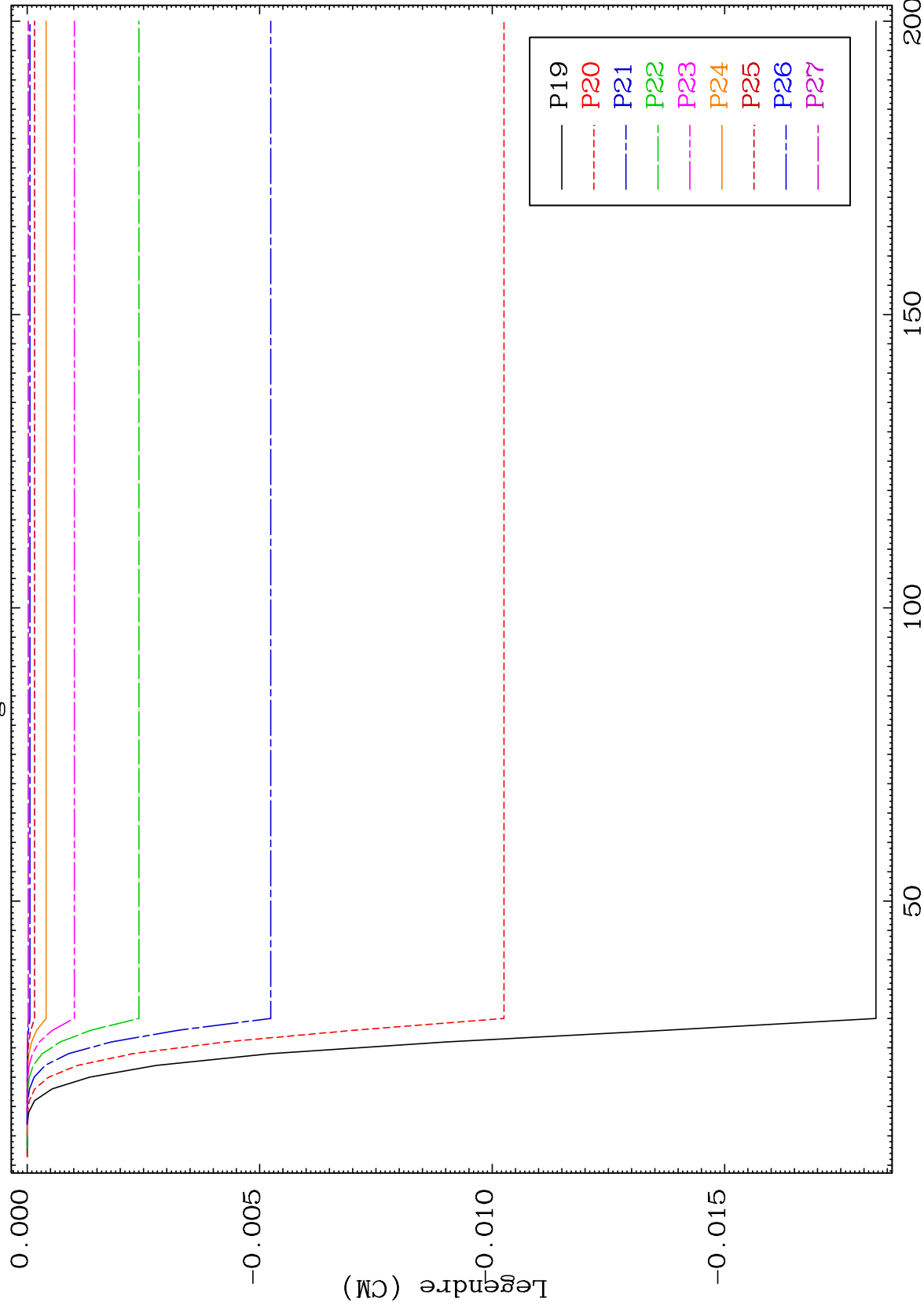




MAT 5828

MT= 78 (n, n') Level  
Legendre Coefficients

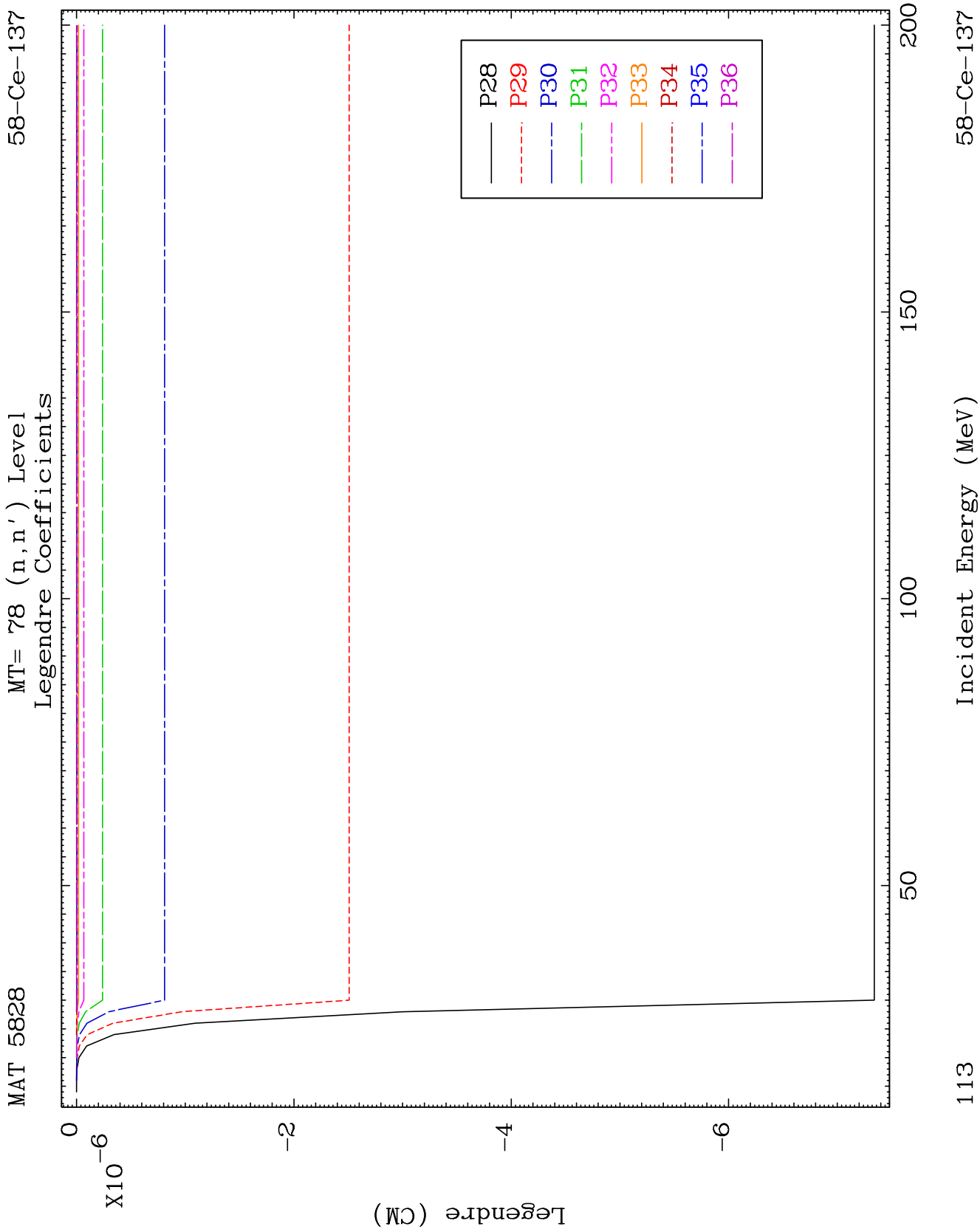
58-Ce-137



112

Incident Energy (MeV)

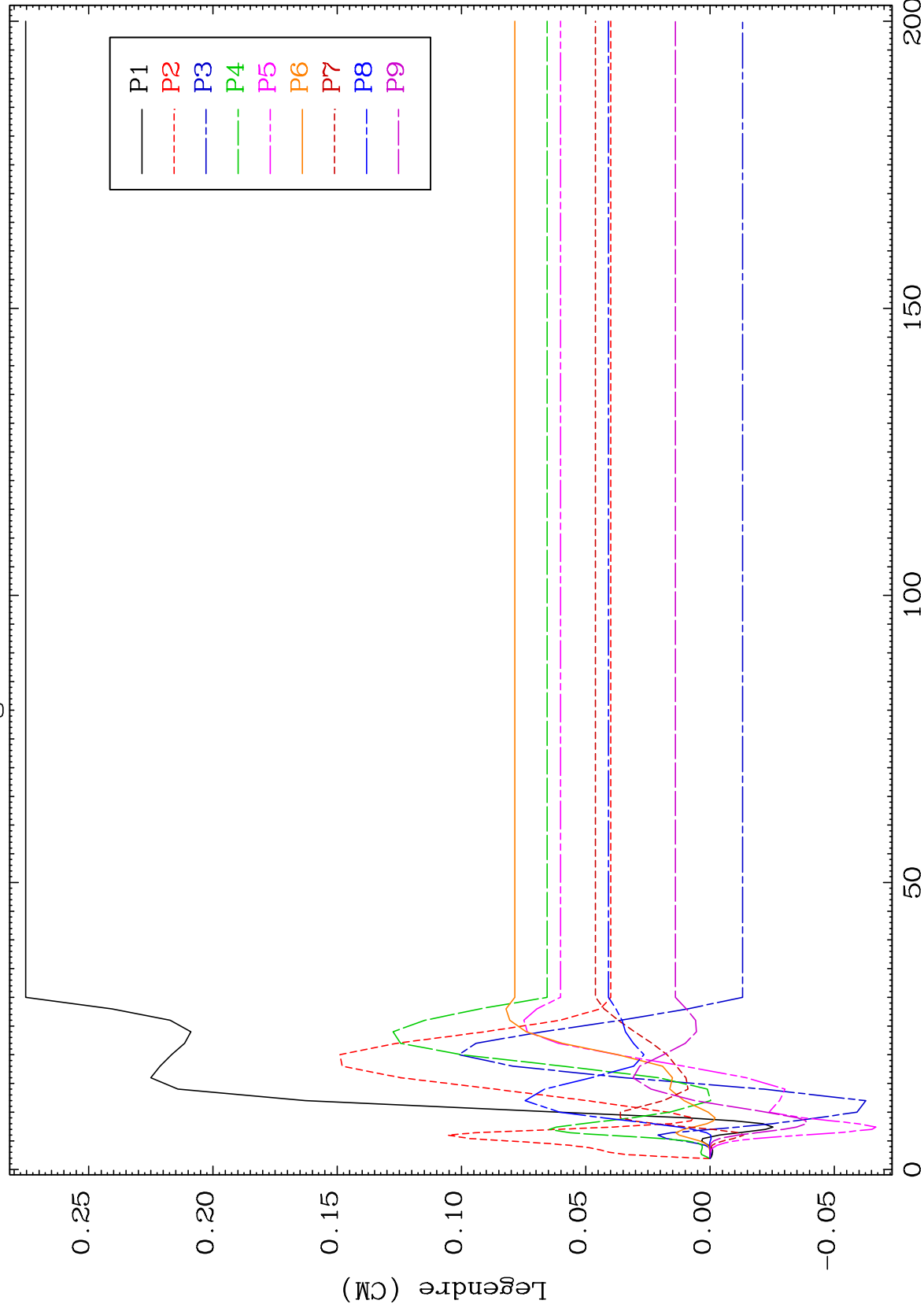
58-Ce-137



MAT 5828

MT= 79 (n, n') Level  
Legendre Coefficients

58-Ce-137

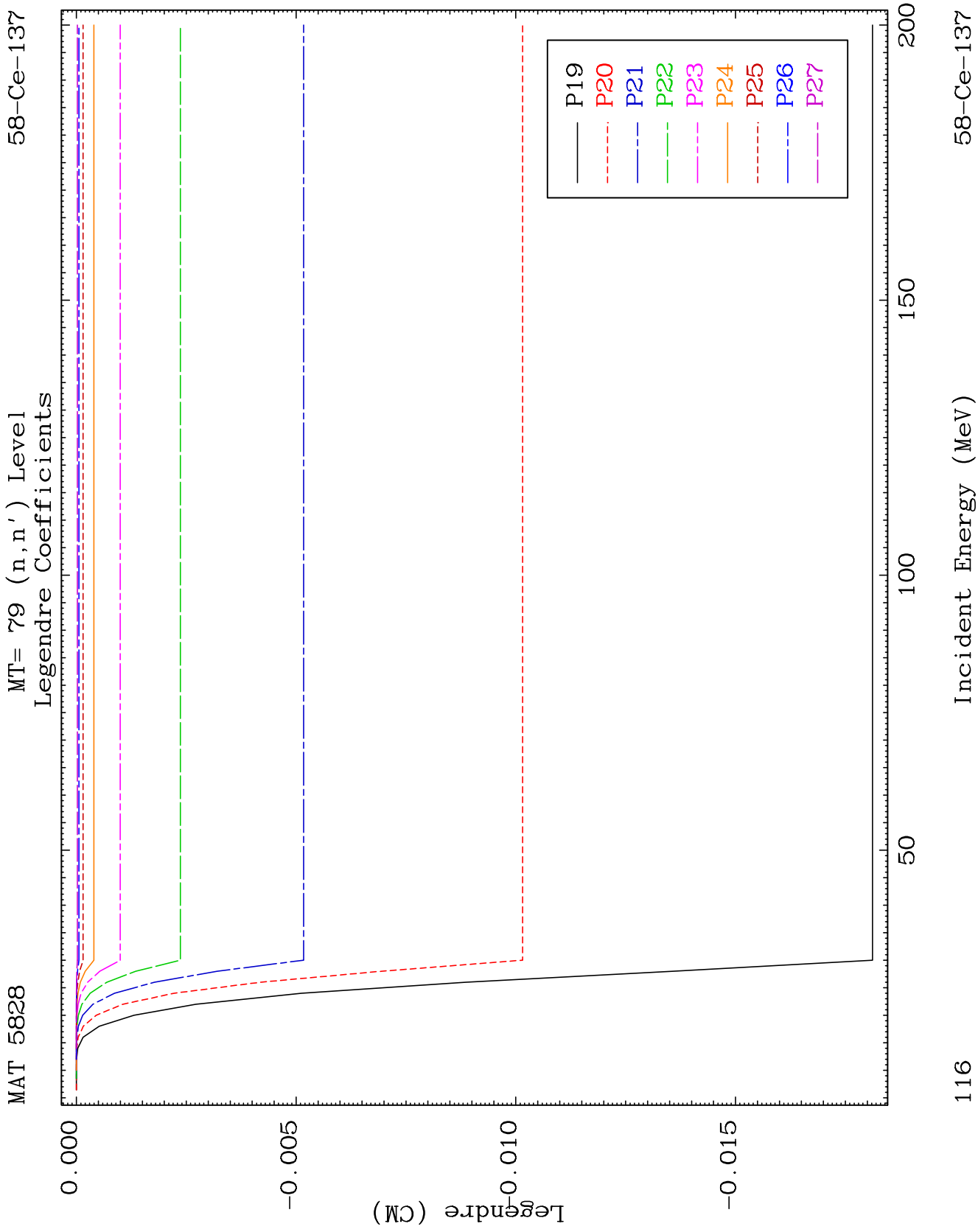


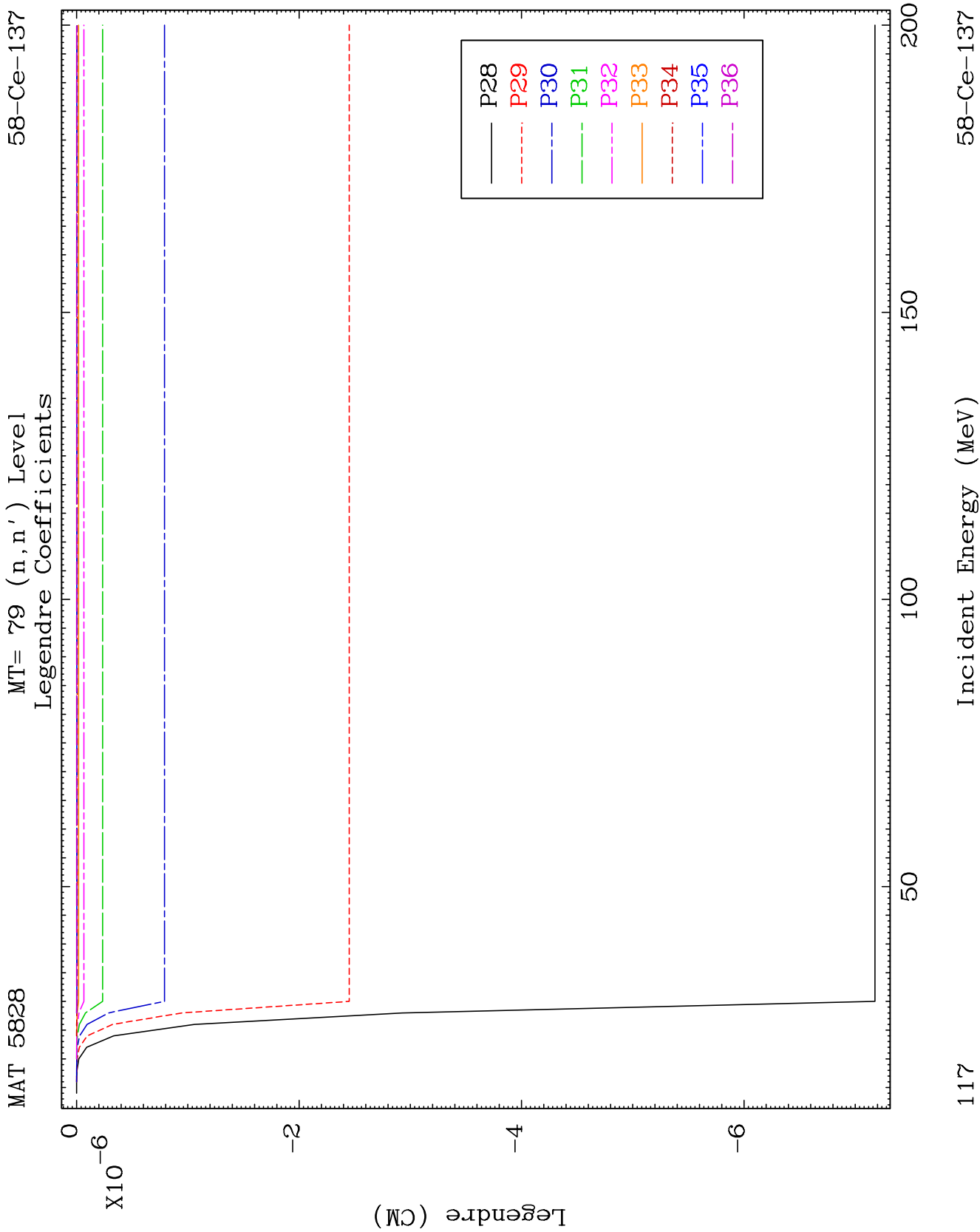
114

Incident Energy (MeV)

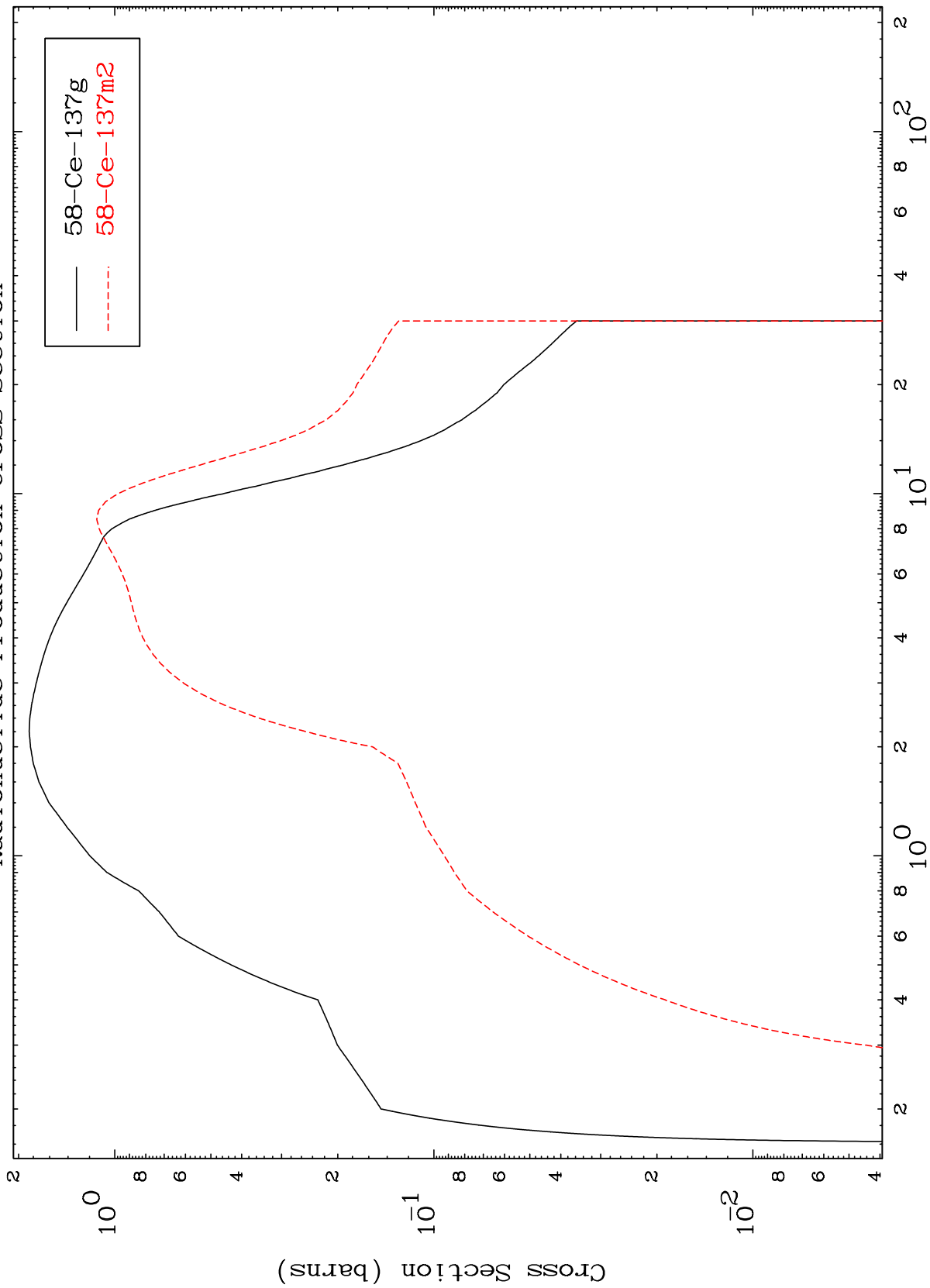
58-Ce-137



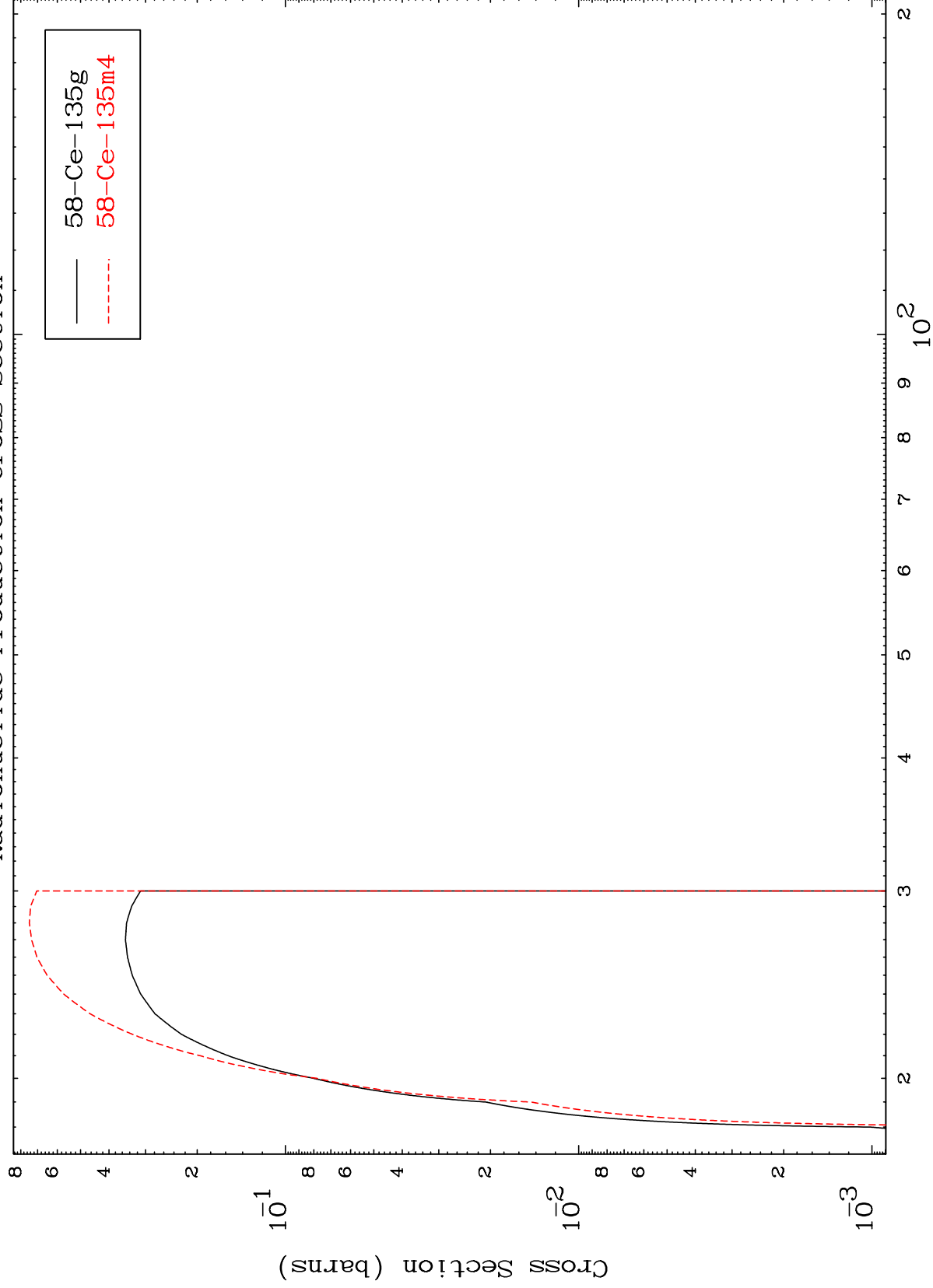




# Inelastic Radionuclide Production Cross Section



(n,3n)  
Radionuclide Production Cross Section

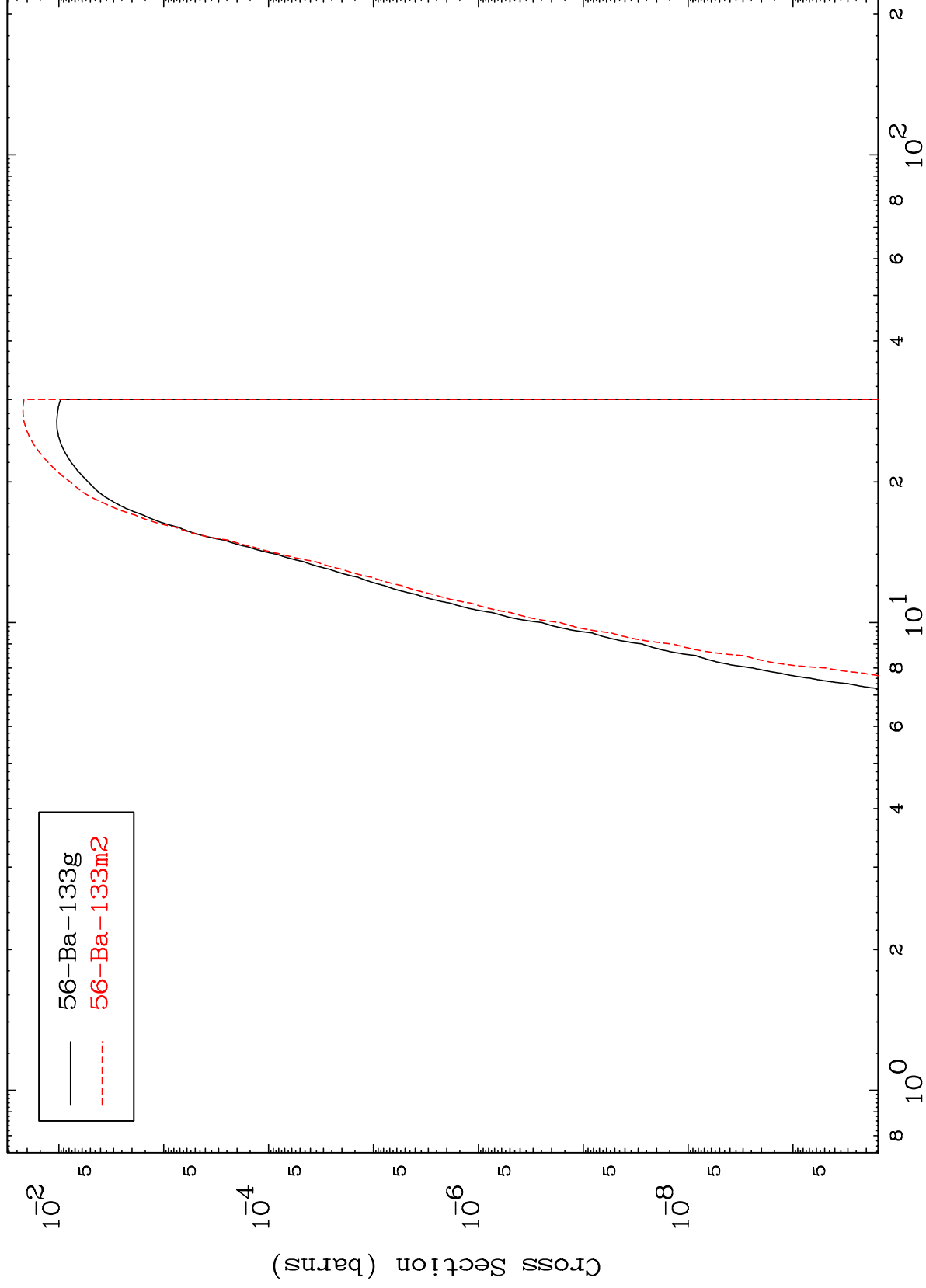




MAT 5828

58-Ce-137

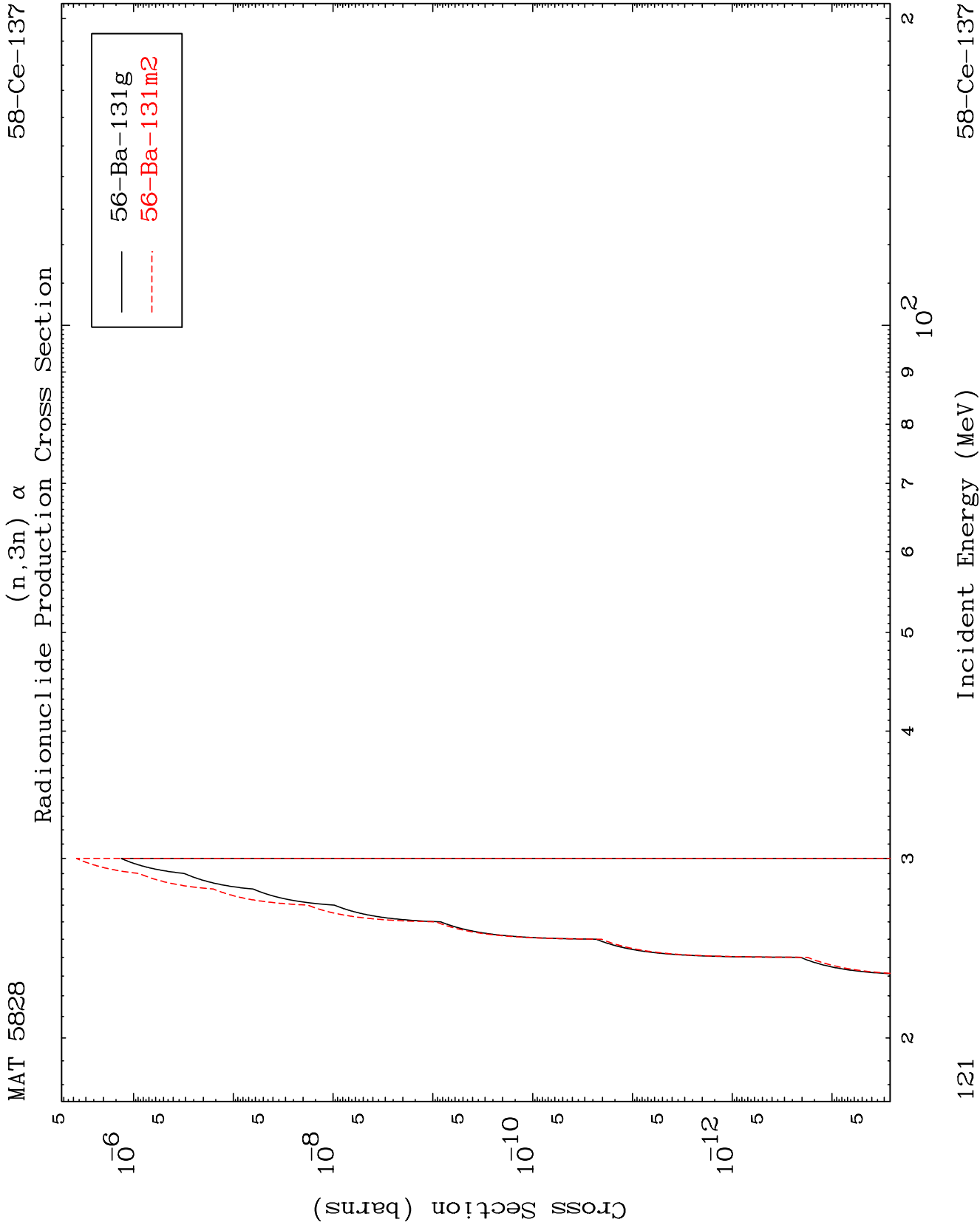
Radionuclide Production Cross Section  
(n,n')  $\alpha$



58-Ce-137

Incident Energy (MeV)

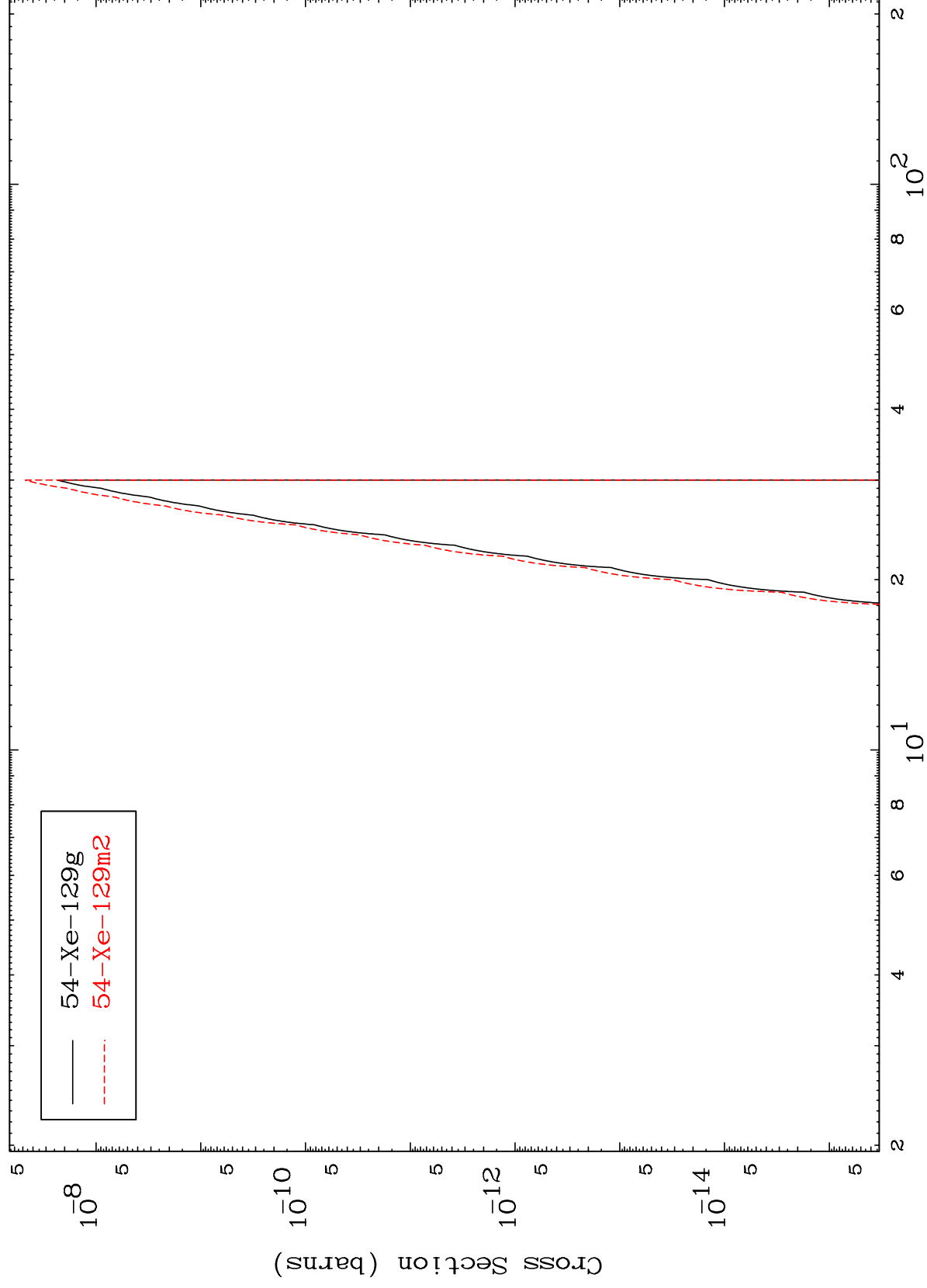
120



MAT 5828

58-Ce-137

(n,n') 2 $\alpha$   
Radionuclide Production Cross Section



54-Xe-129g  
54-Xe-129m2

58-Ce-137

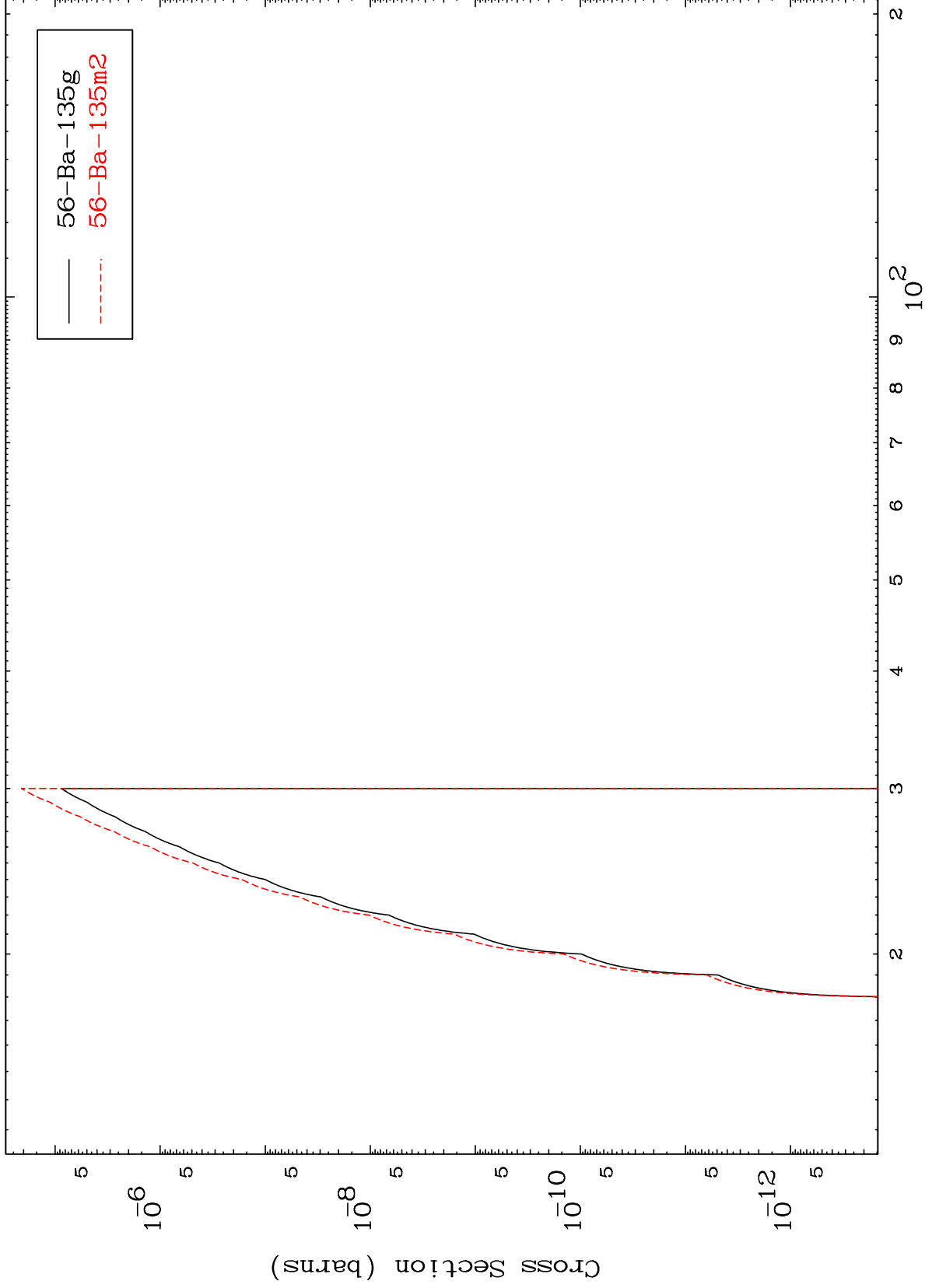
Incident Energy (MeV)

122

MAT 5828

58-Ce-137

(n,2n) p  
Radionuclide Production Cross Section



123

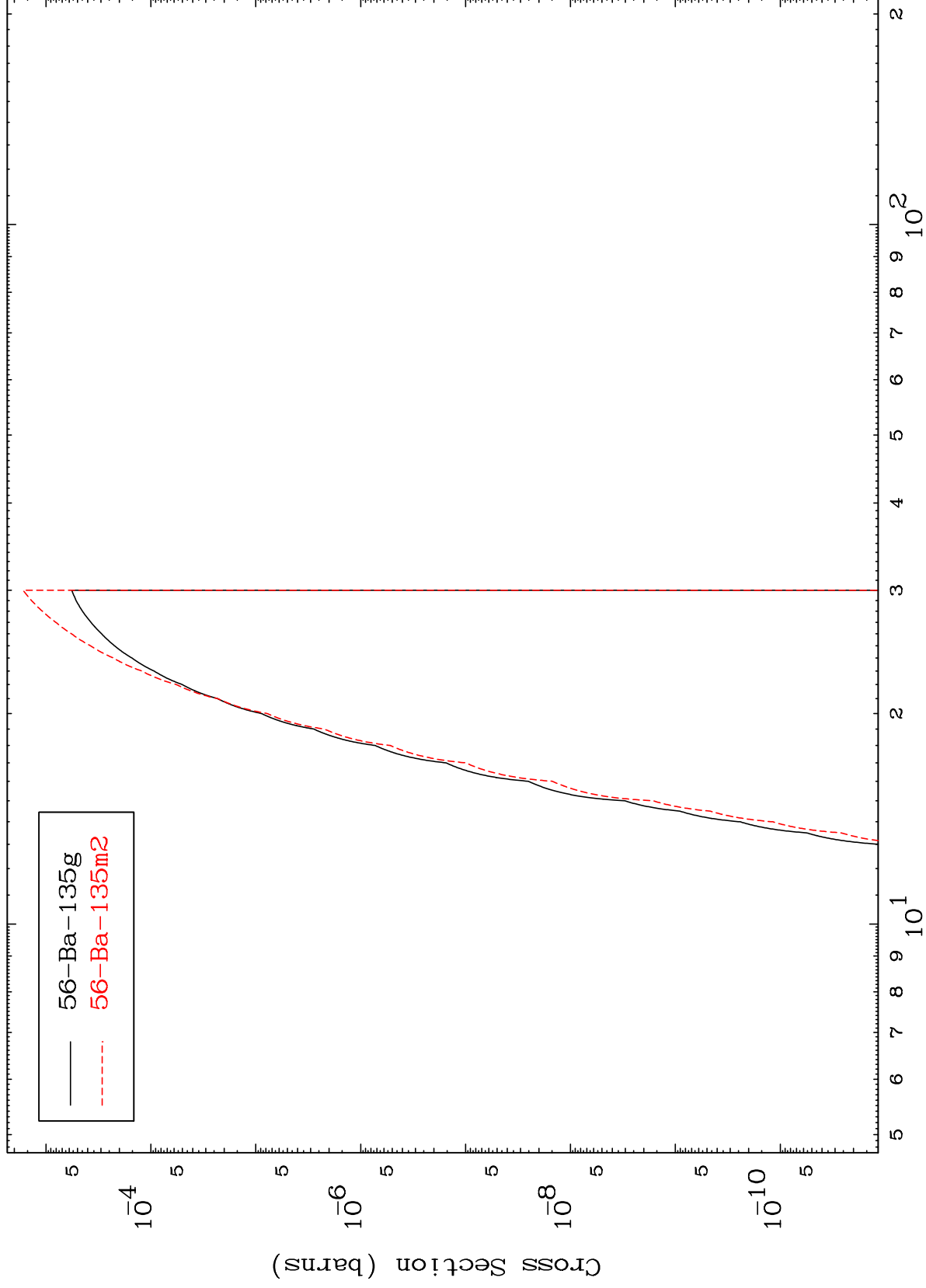
Incident Energy (MeV)

58-Ce-137

MAT 5828

58-Ce-137

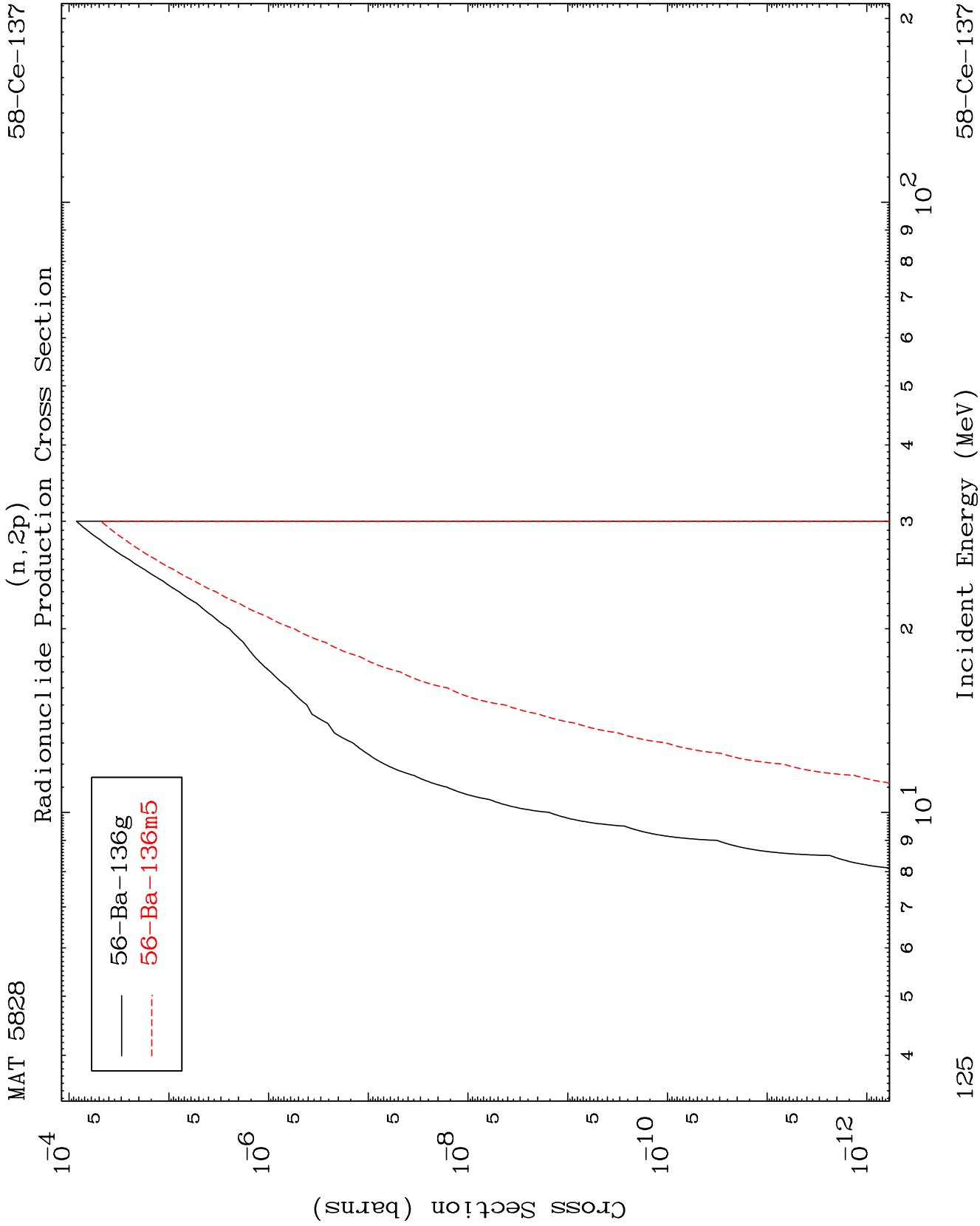
Radionuclide Production Cross Section



124

Incident Energy (MeV)

58-Ce-137



(n,p) d  
Radionuclide Production Cross Section

