

Program EVALPLOT
(Version 2017-1)

by

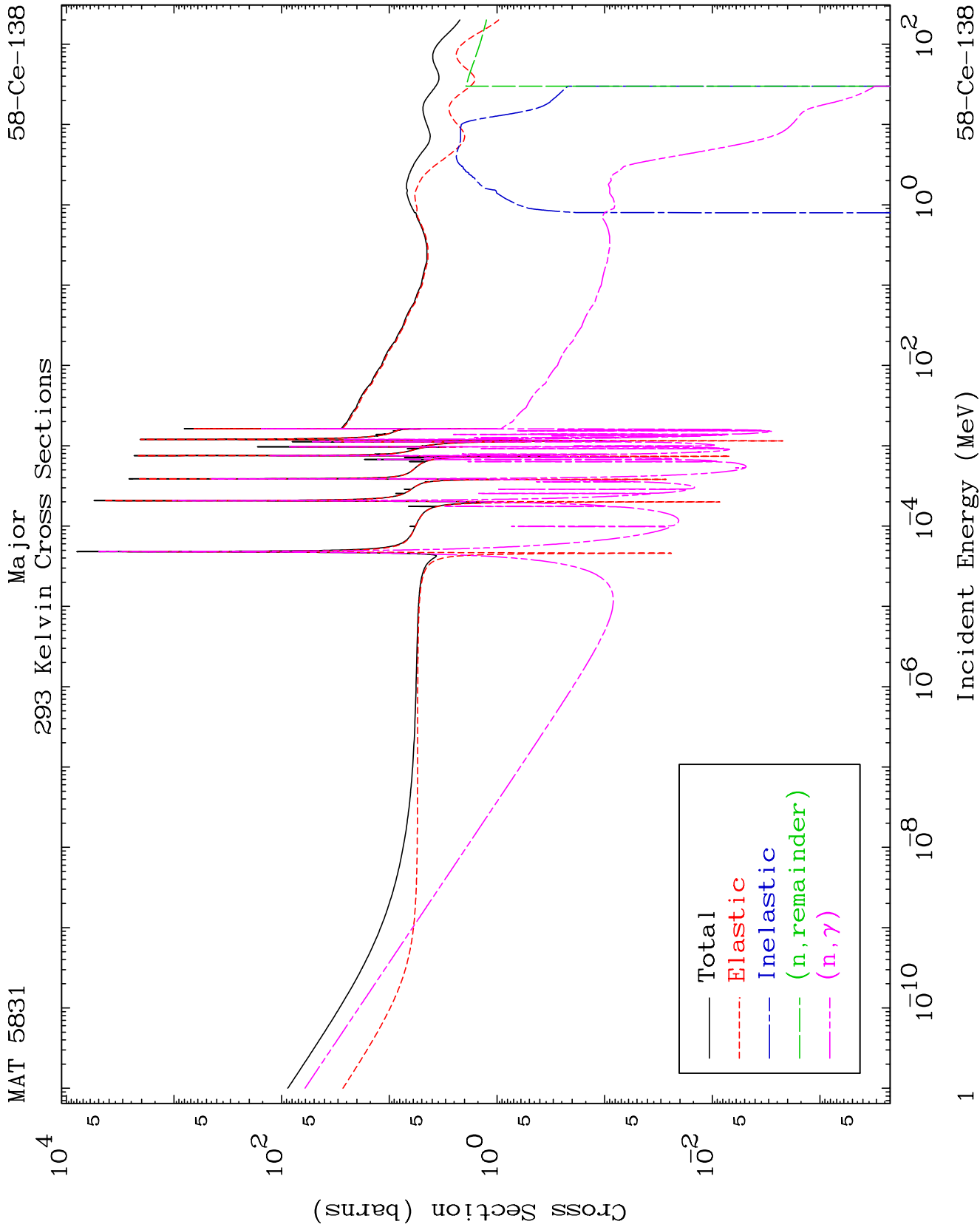
Dermott E. Cullen
(Present Contact Information)

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

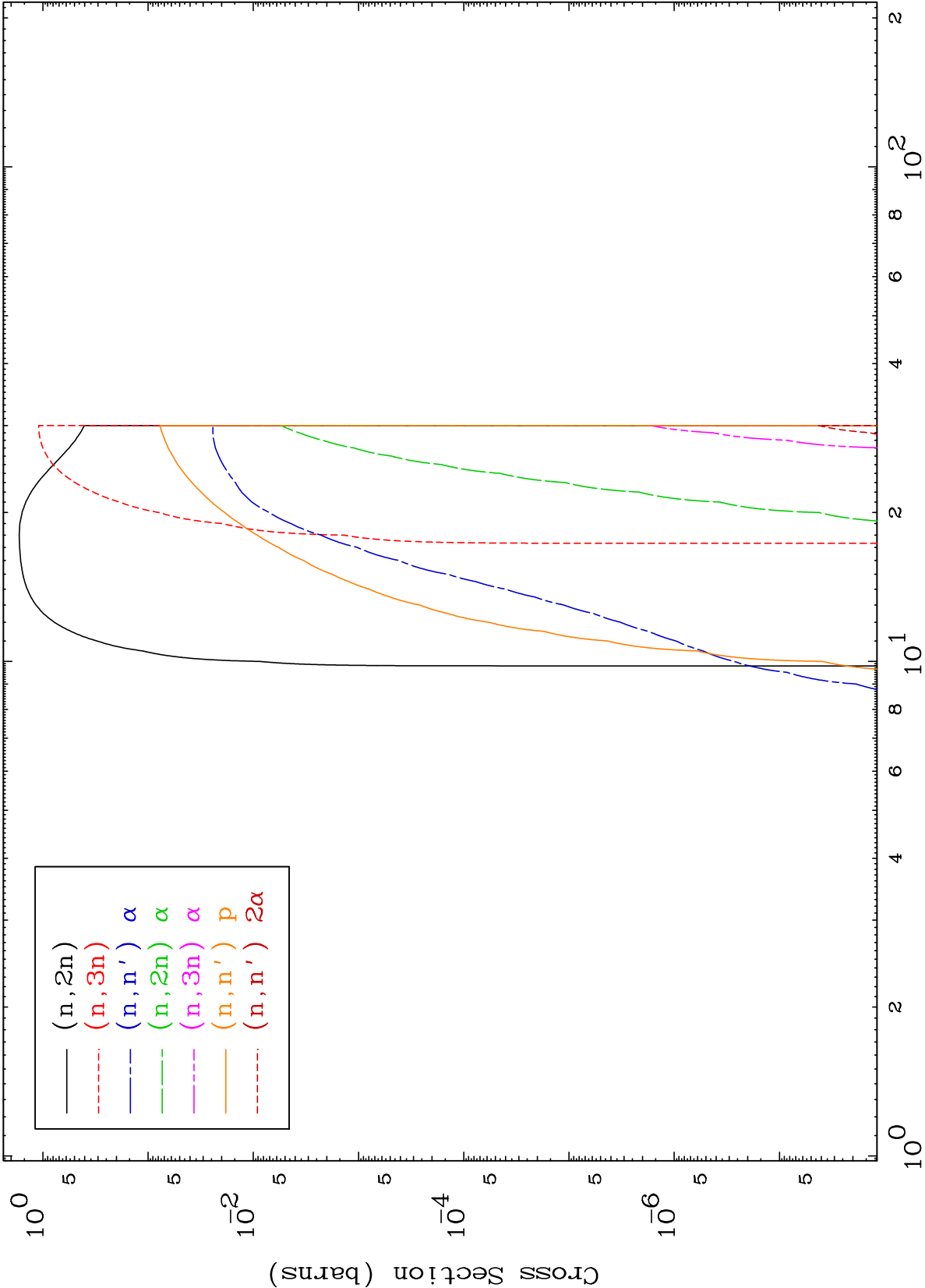


MAT 5831

Neutron Production

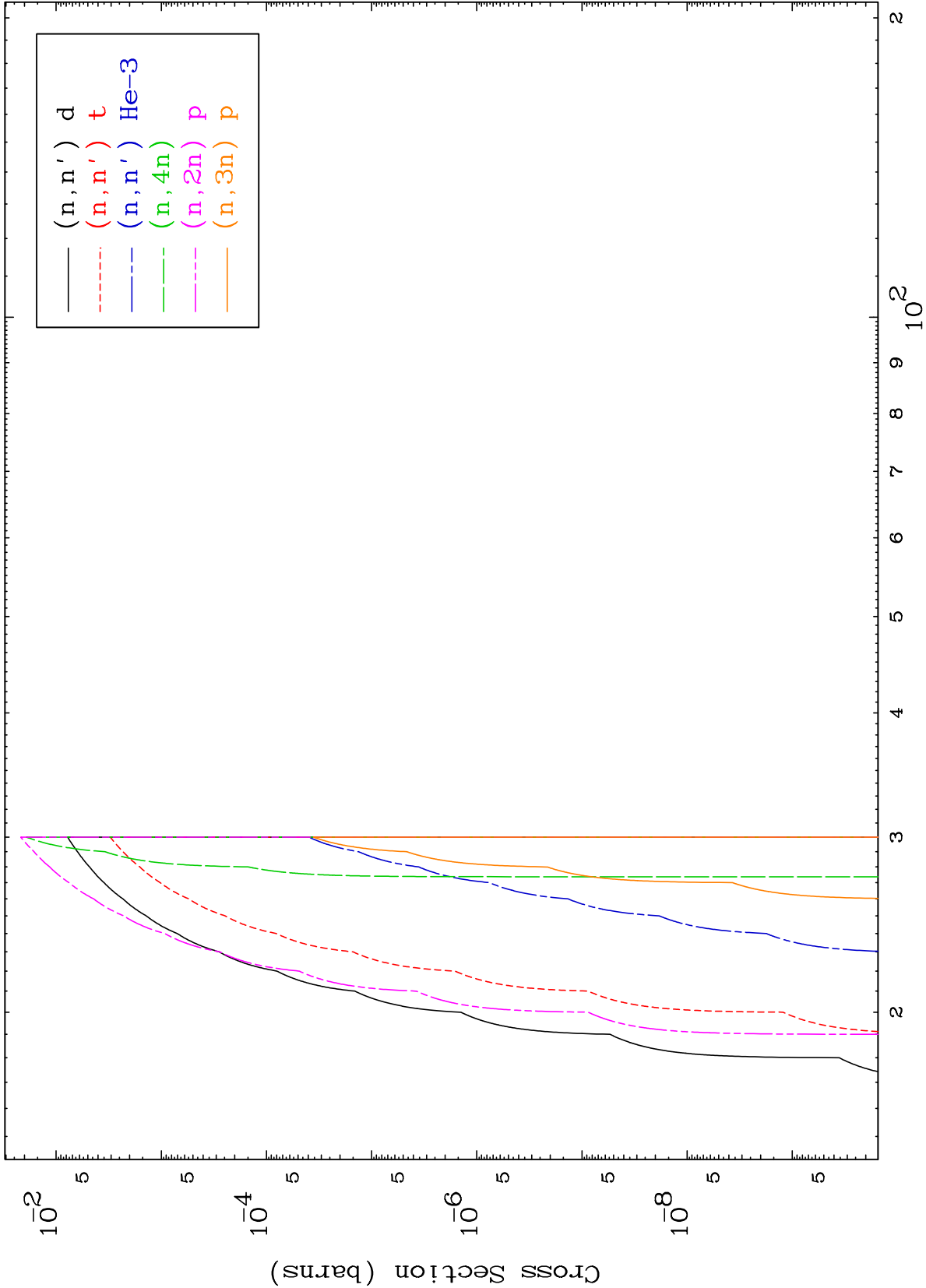
58-Ce-138

293 Kelvin Cross Sections



Incident Energy (MeV)

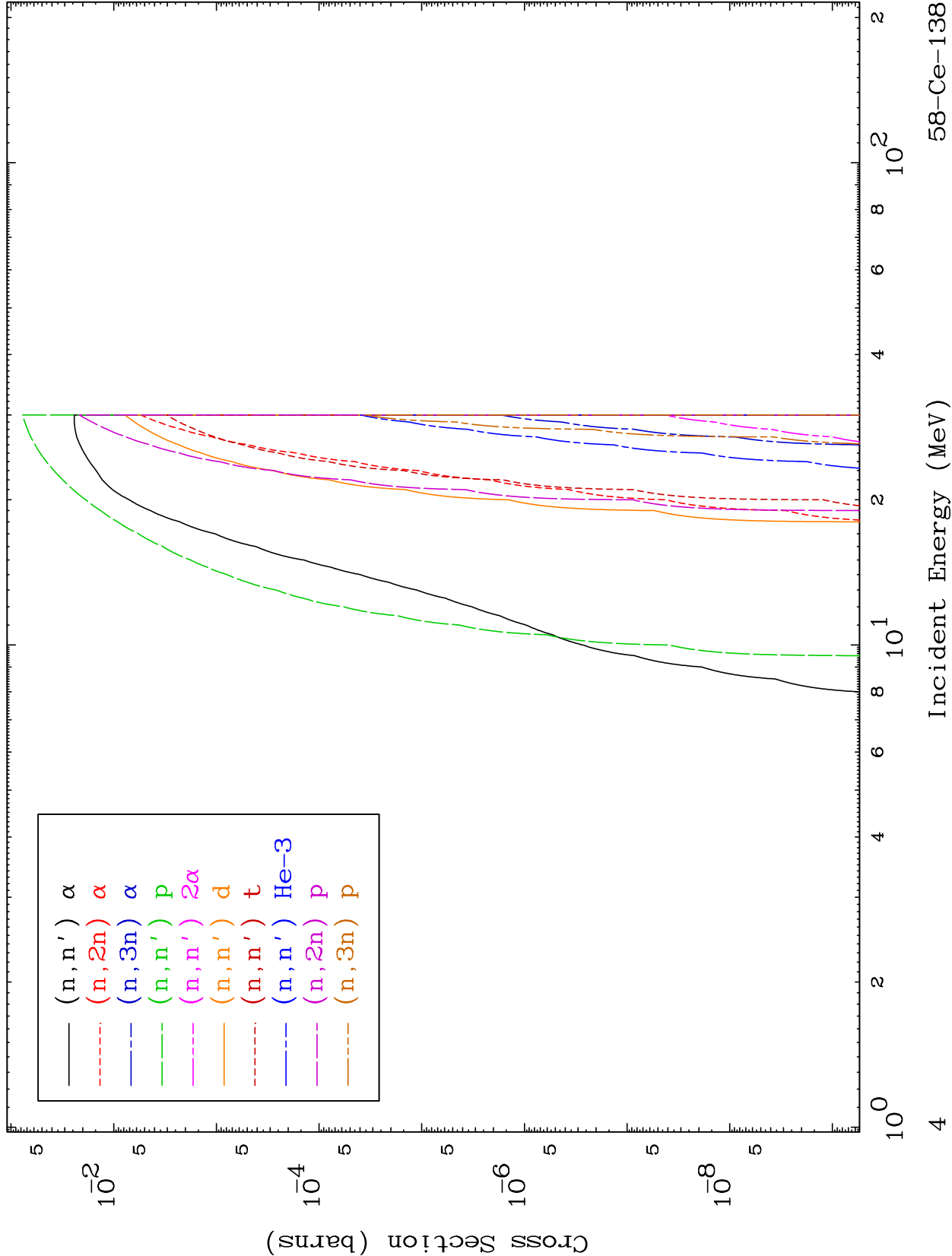
58-Ce-138

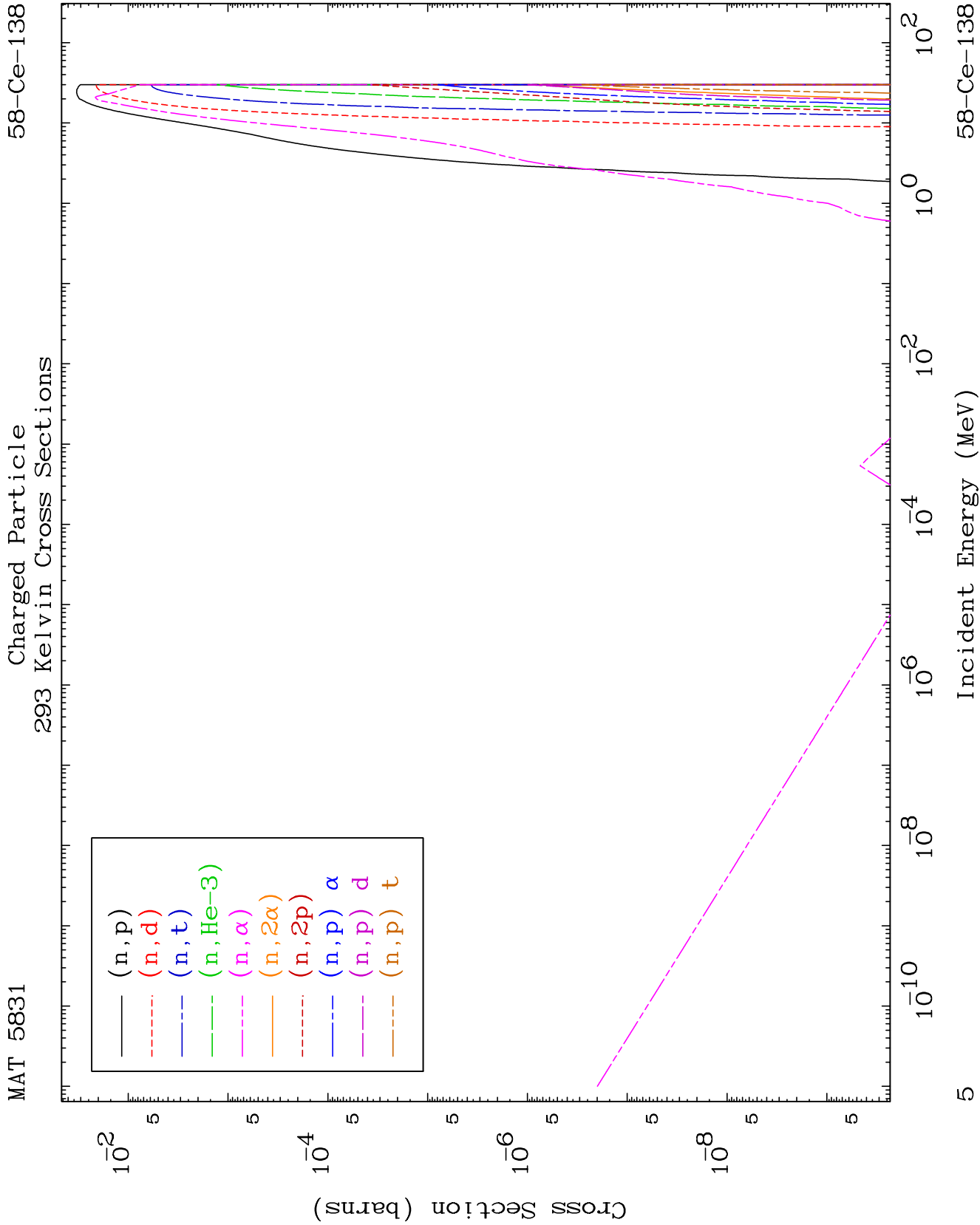


MAT 5831

Charged Particle
293 Kelvin Cross Sections

58-Ce-138

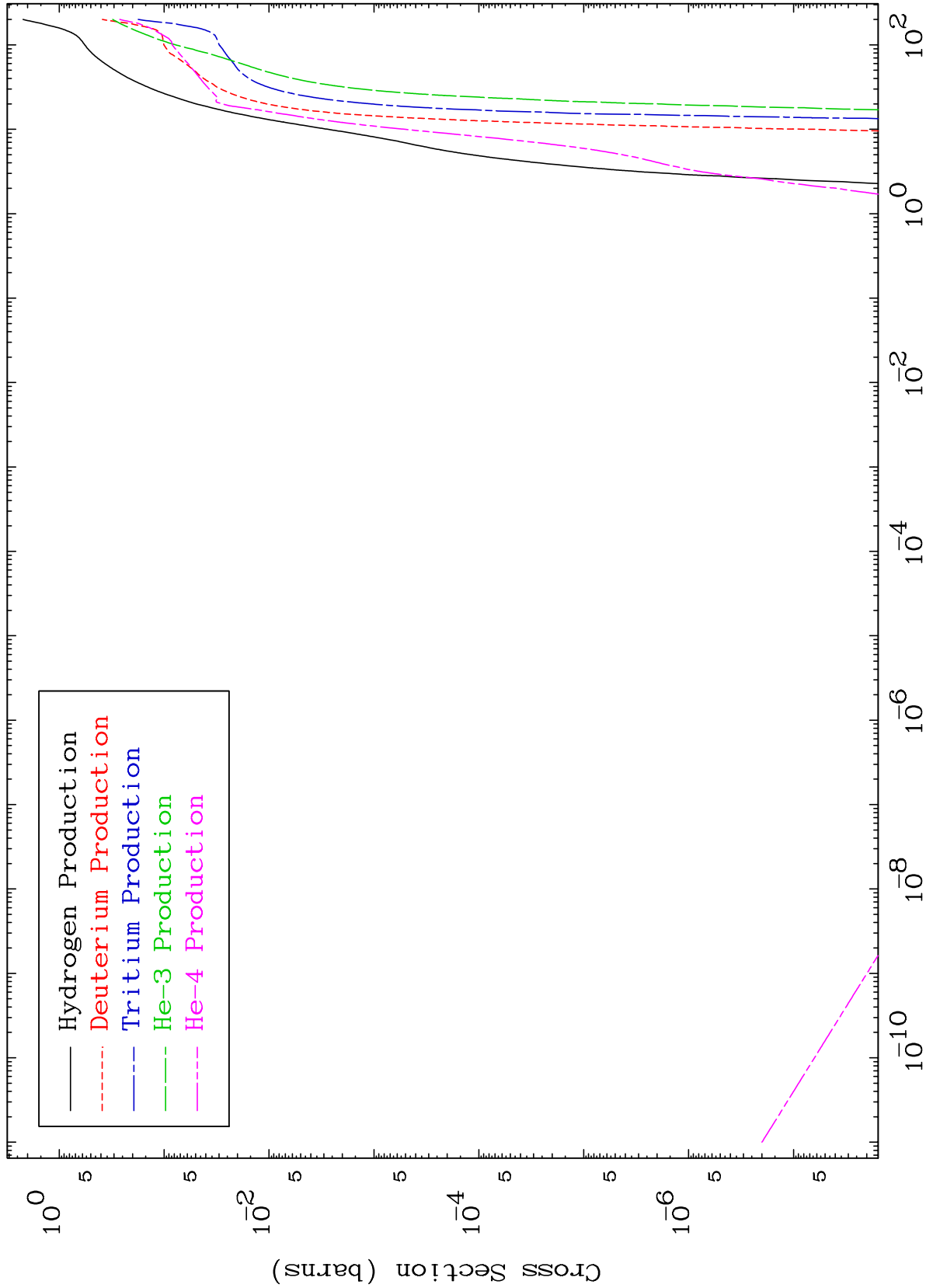




MAT 5831

Particle Production
293 Kelvin Cross Sections

58-Ce-138

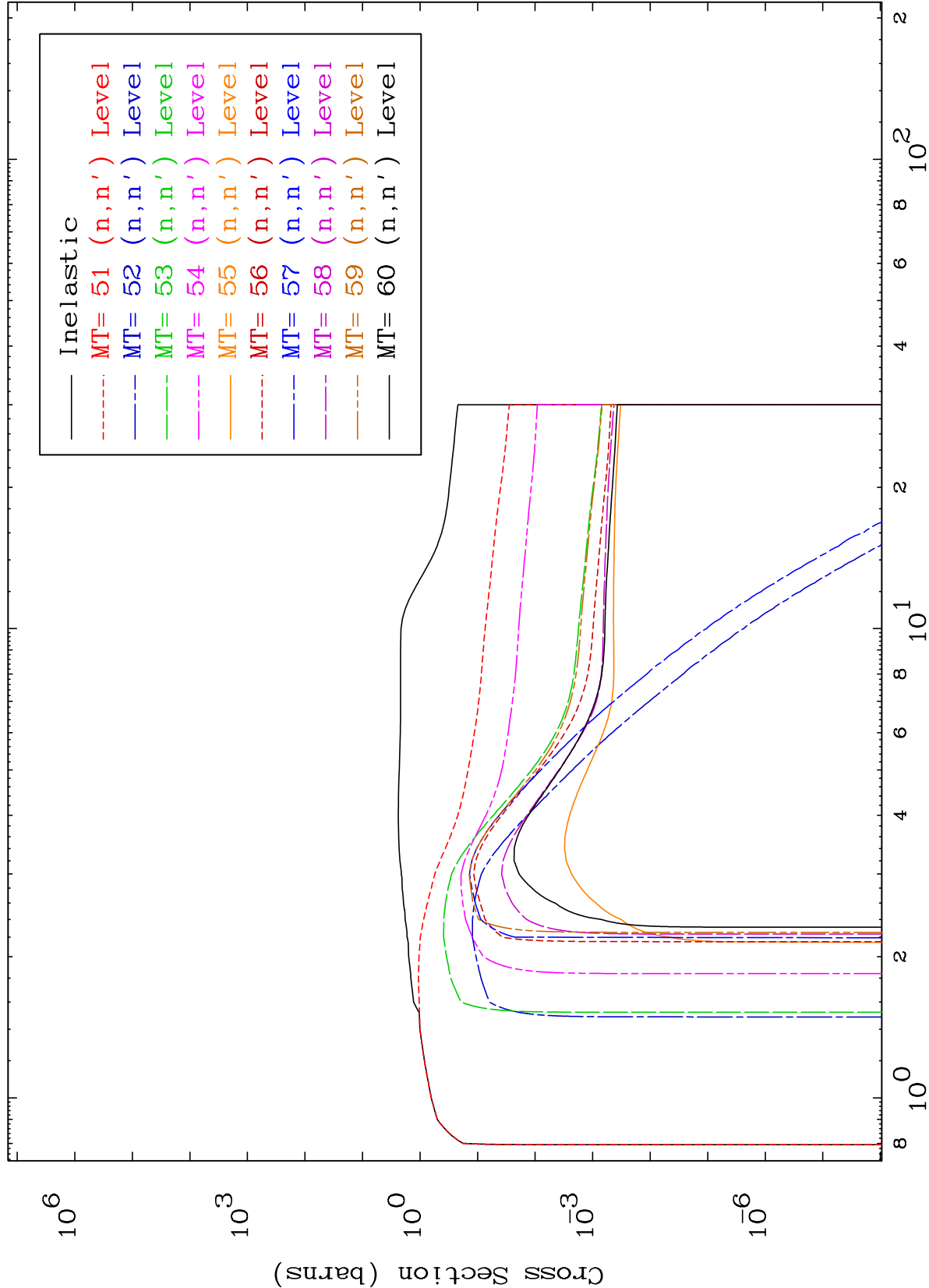


MAT 5831

(n,n') Level

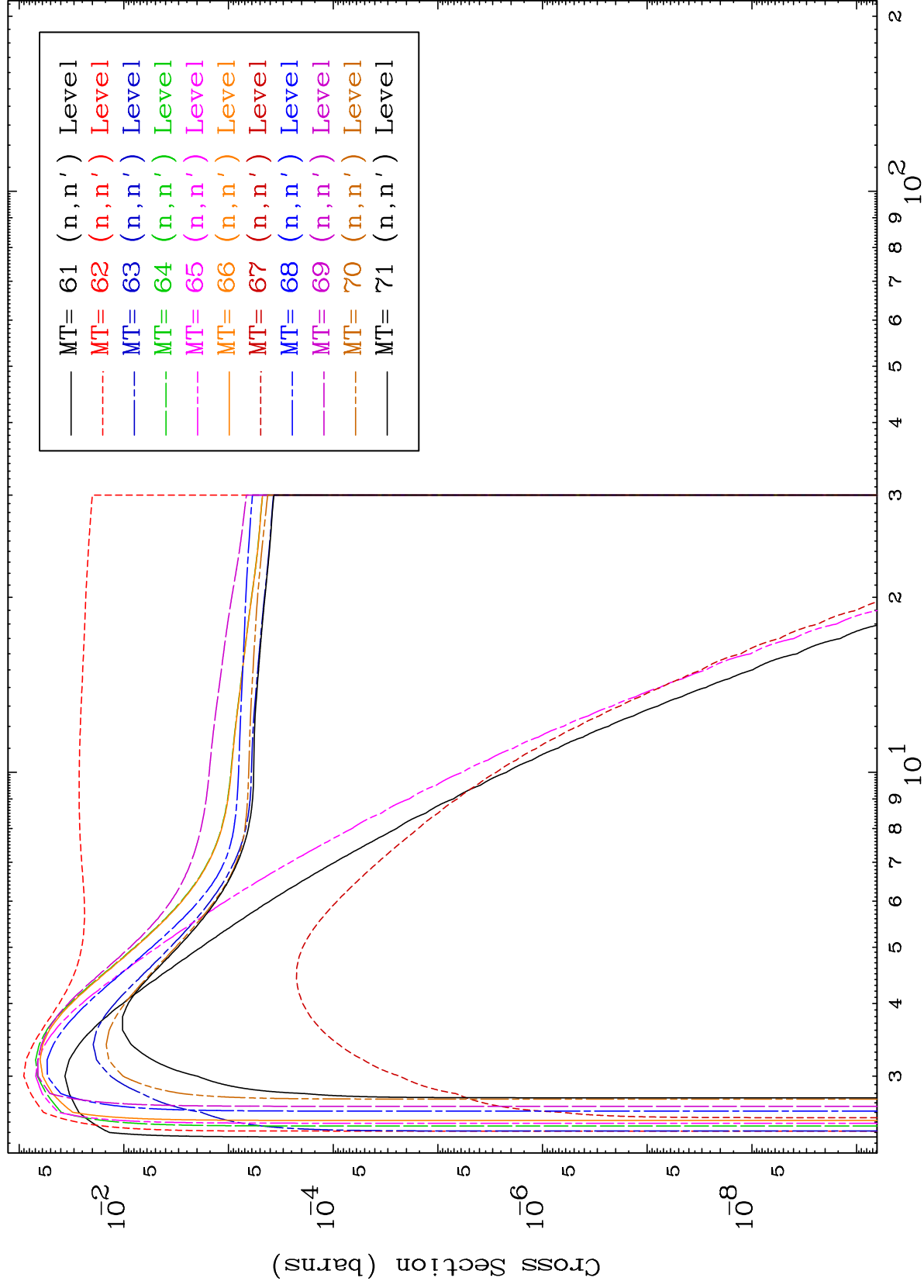
58-Ce-138

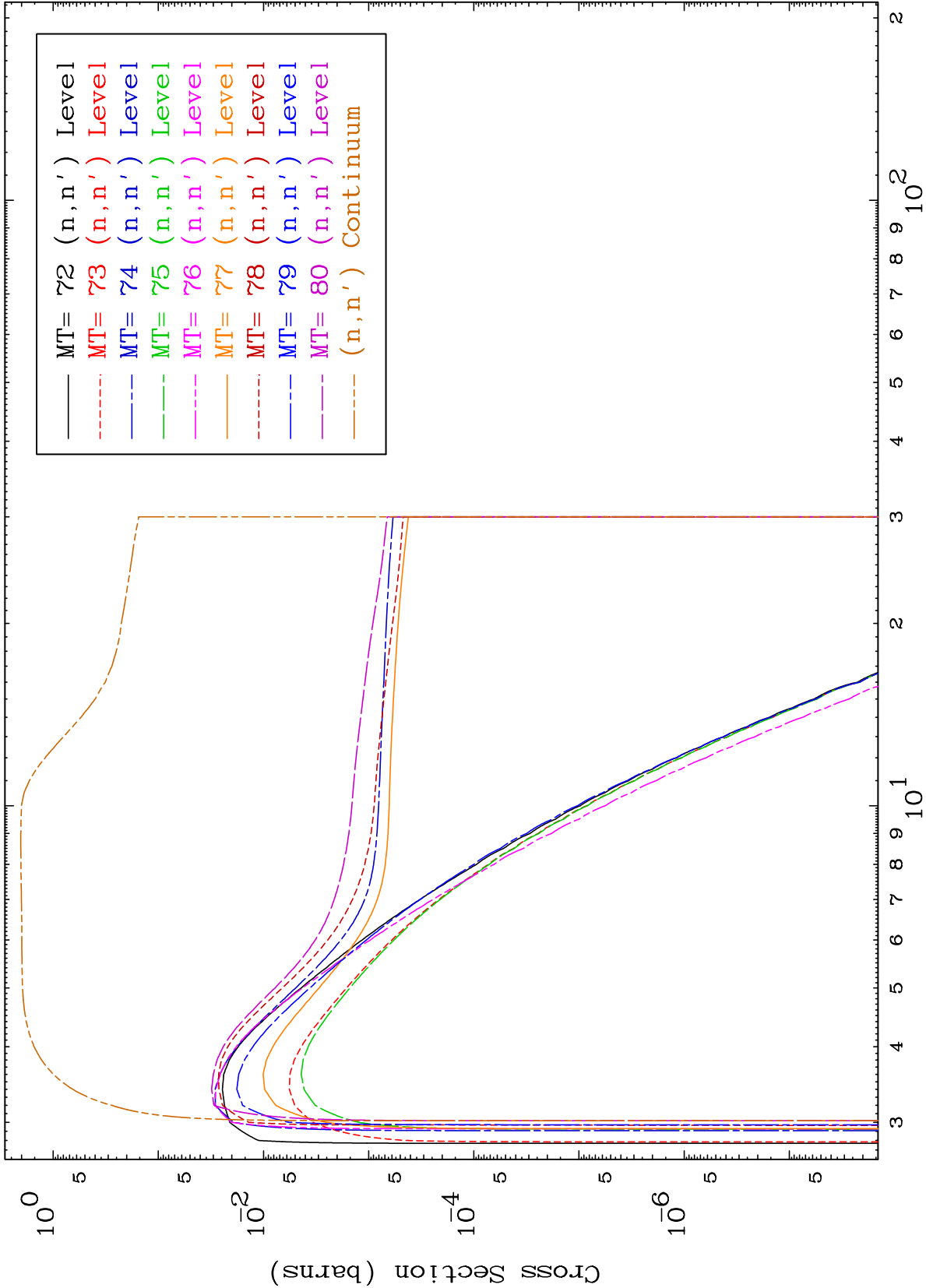
293 Kelvin Cross Sections



Incident Energy (MeV)

58-Ce-138

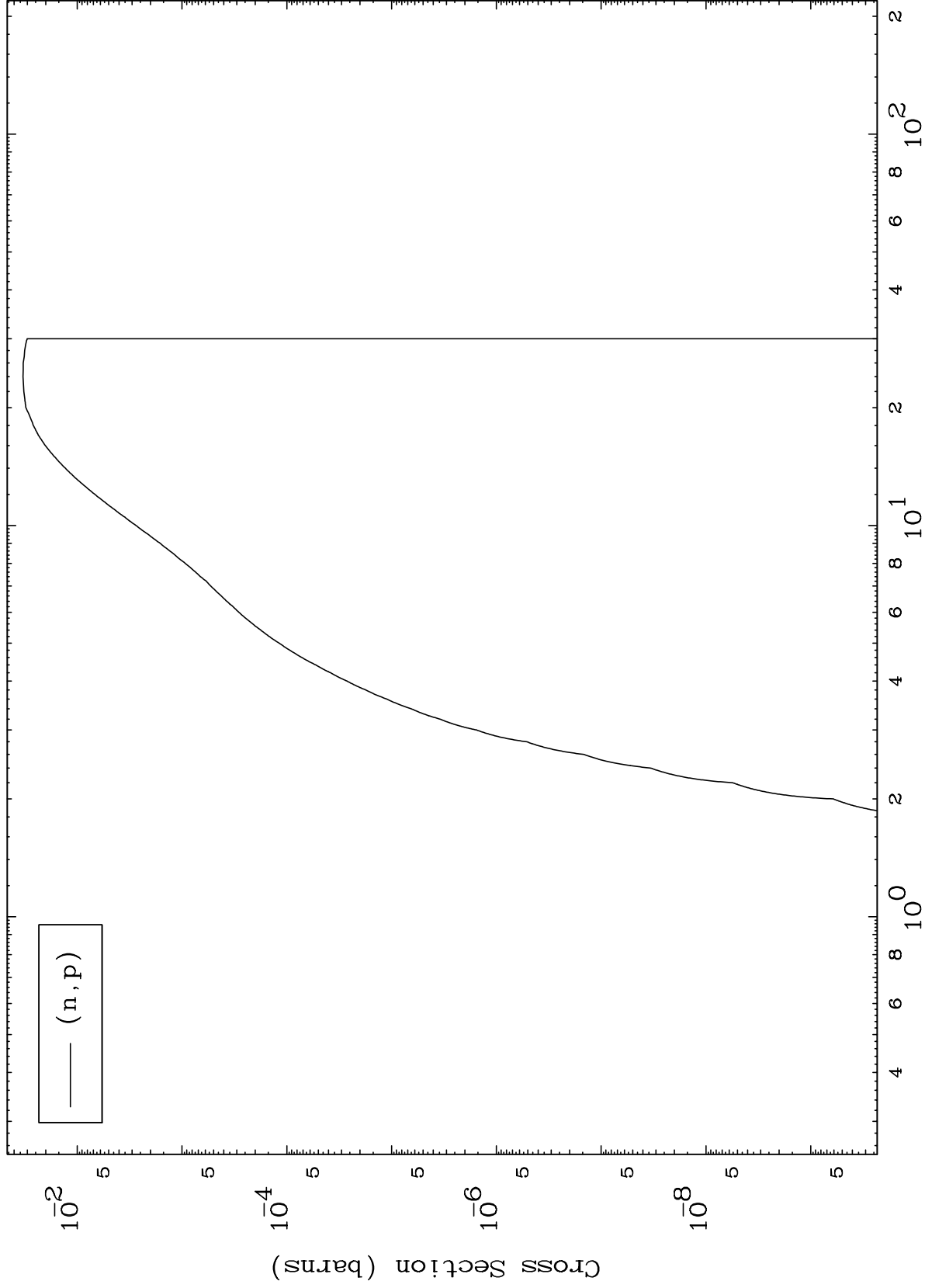




MAT 5831

58-Ce-138

(n,p) Levels
293 Kelvin Cross Sections



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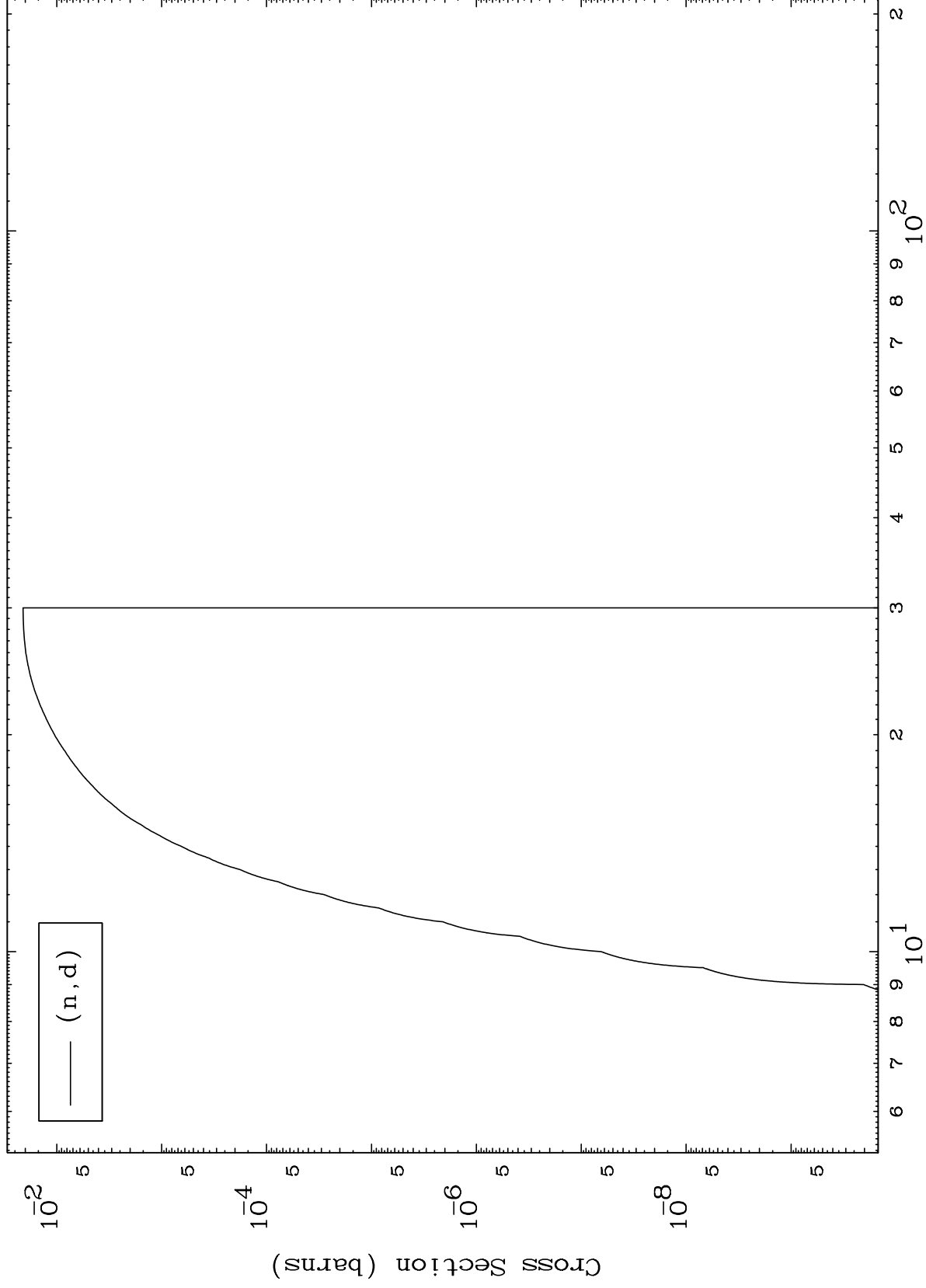
Incident Energy (MeV)

58-Ce-138

MAT 5831

58-Ce-138

(n,d) Levels
293 Kelvin Cross Sections



11

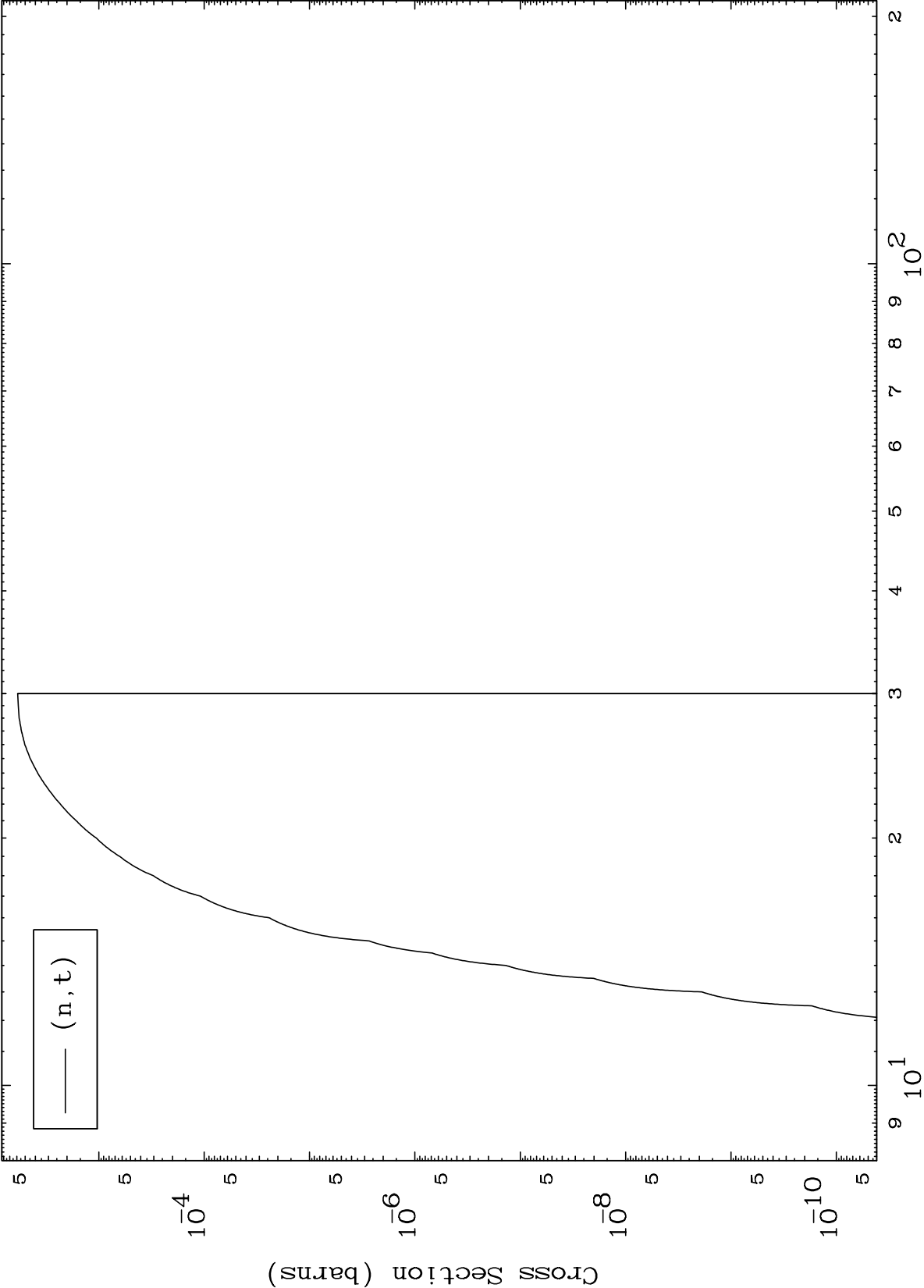
58-Ce-138

Incident Energy (MeV)

MAT 5831

58-Ce-138

(n,t) Levels
293 Kelvin Cross Sections



58-Ce-138

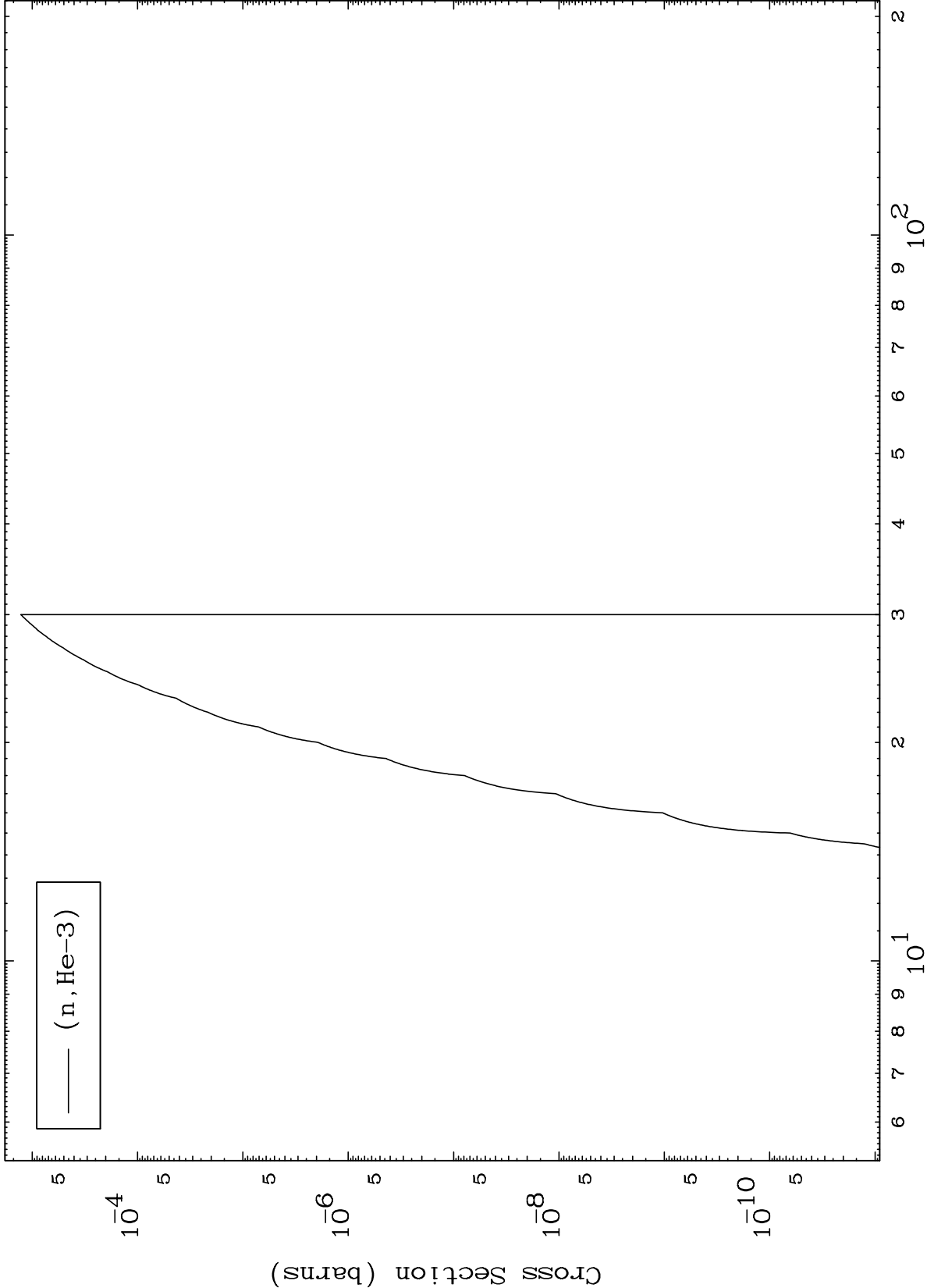
Incident Energy (MeV)

12

MAT 5831

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-138



13

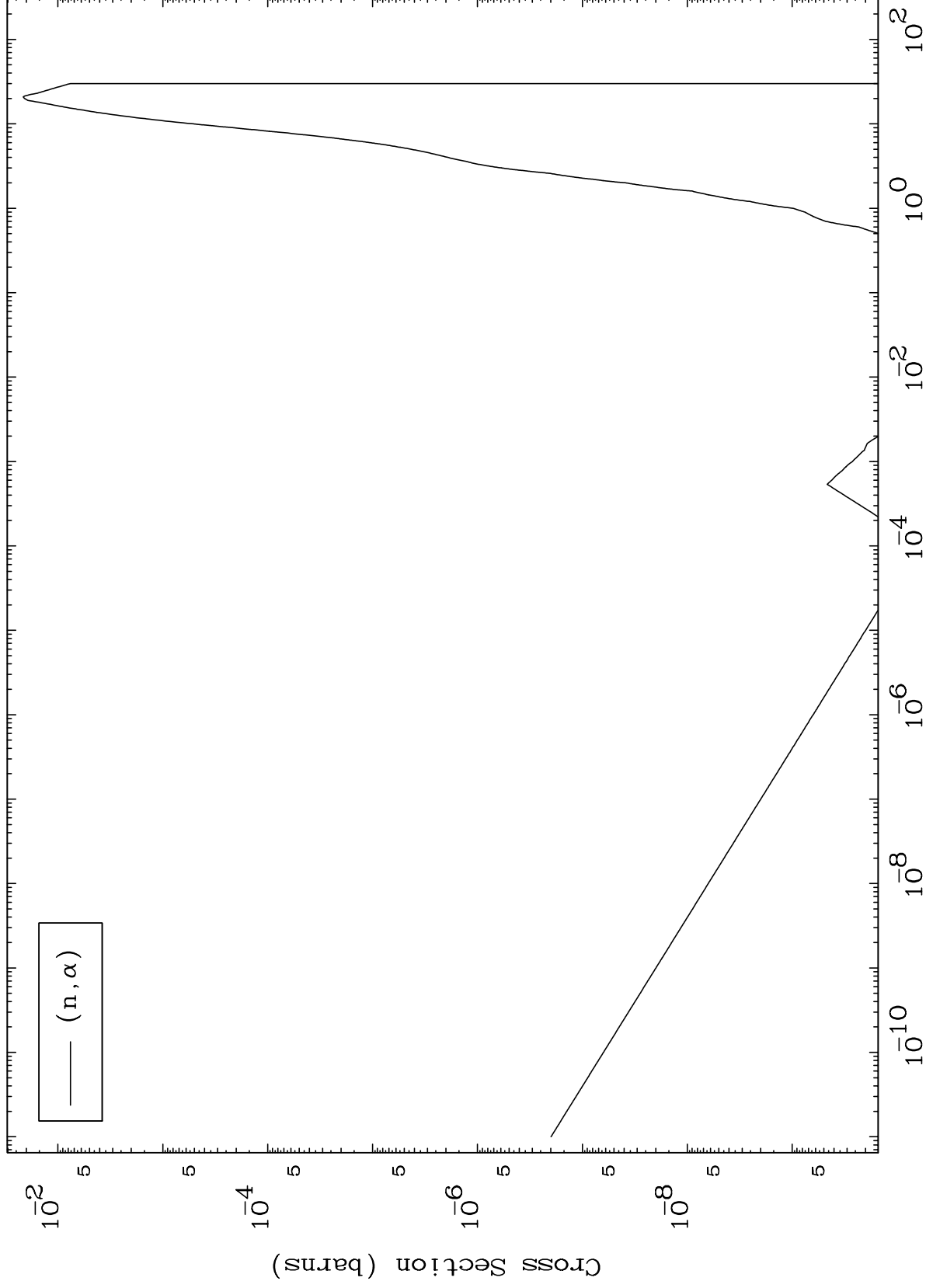
Incident Energy (MeV)

58-Ce-138

MAT 5831

58-Ce-138

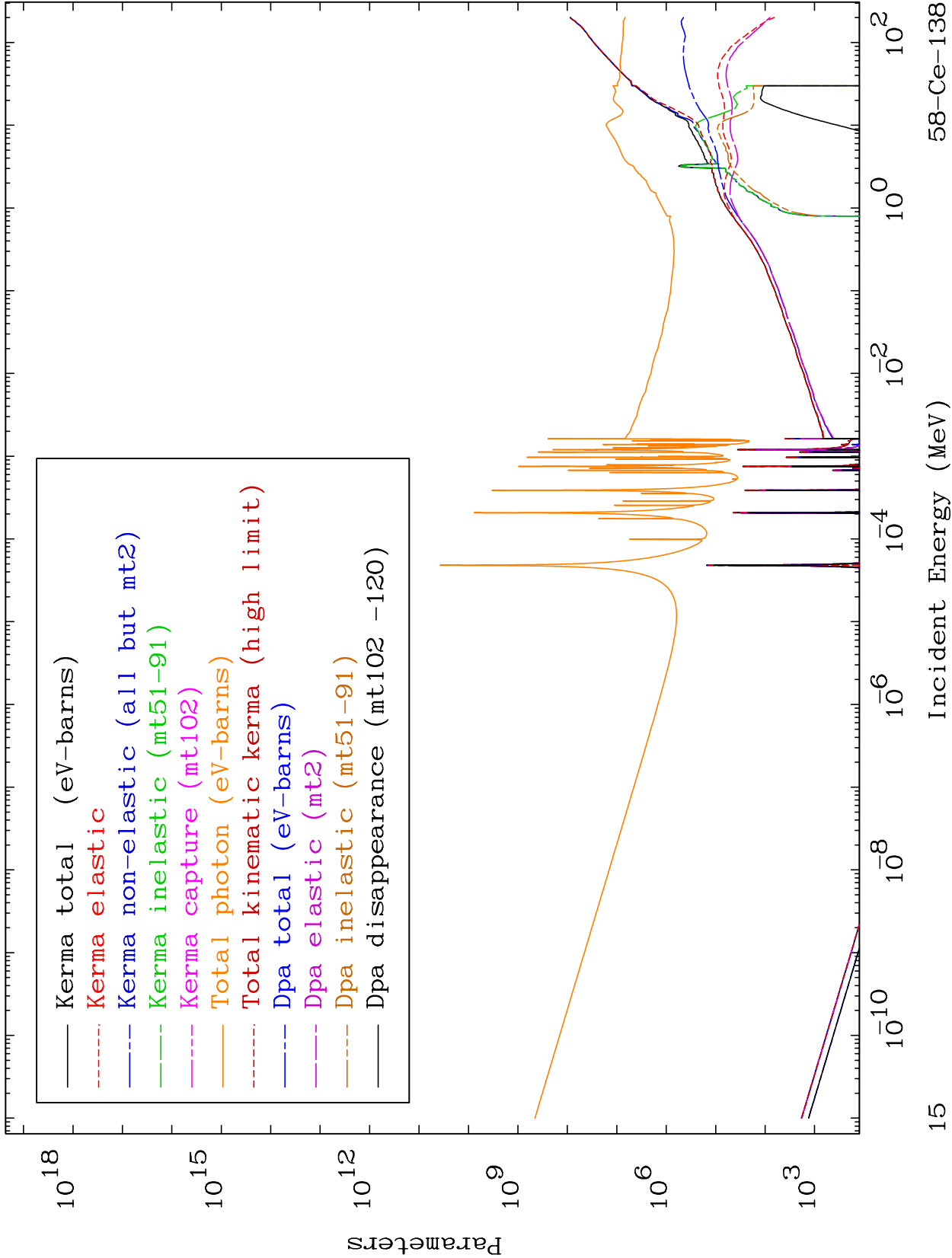
(n, α) Levels
293 Kelvin Cross Sections

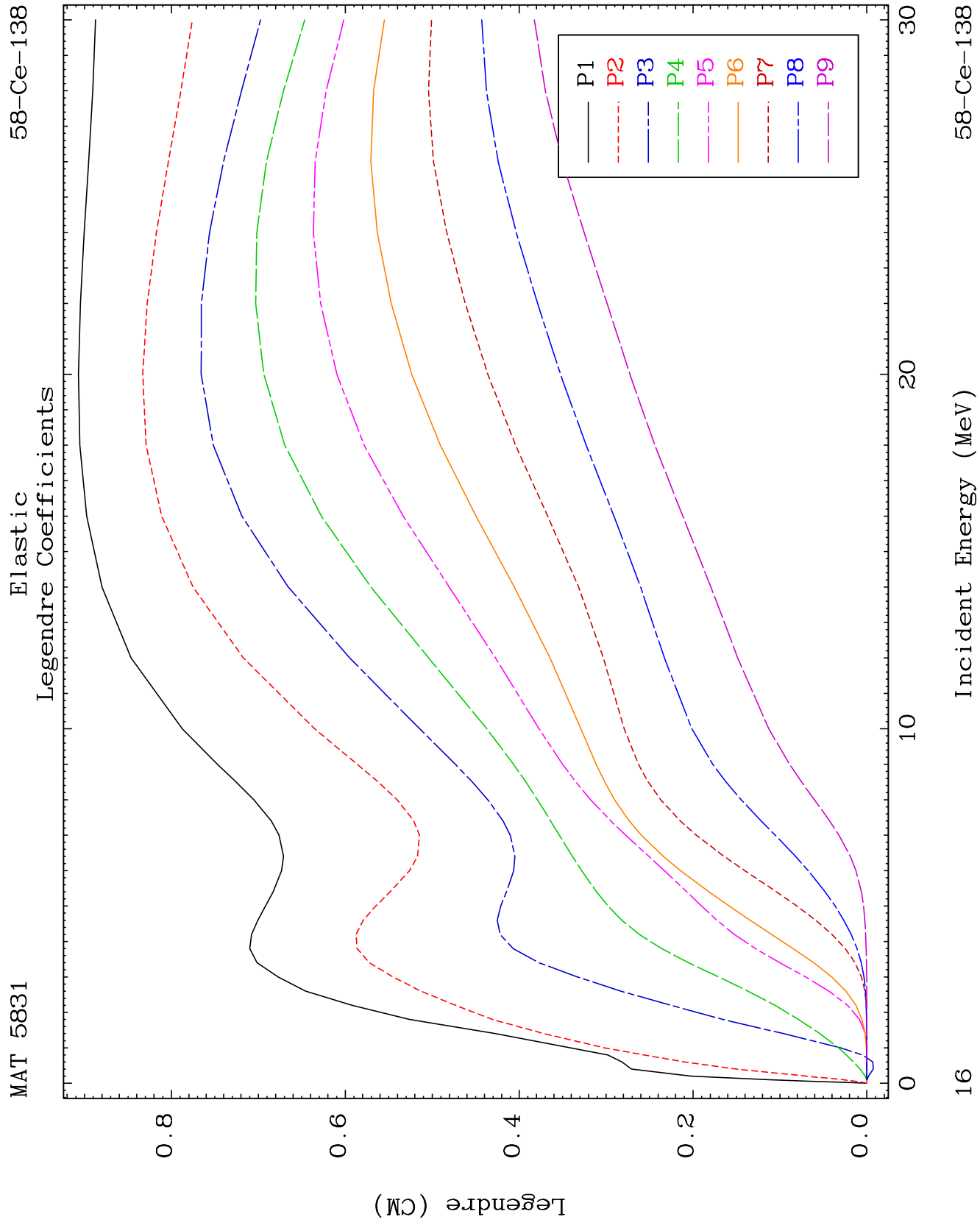


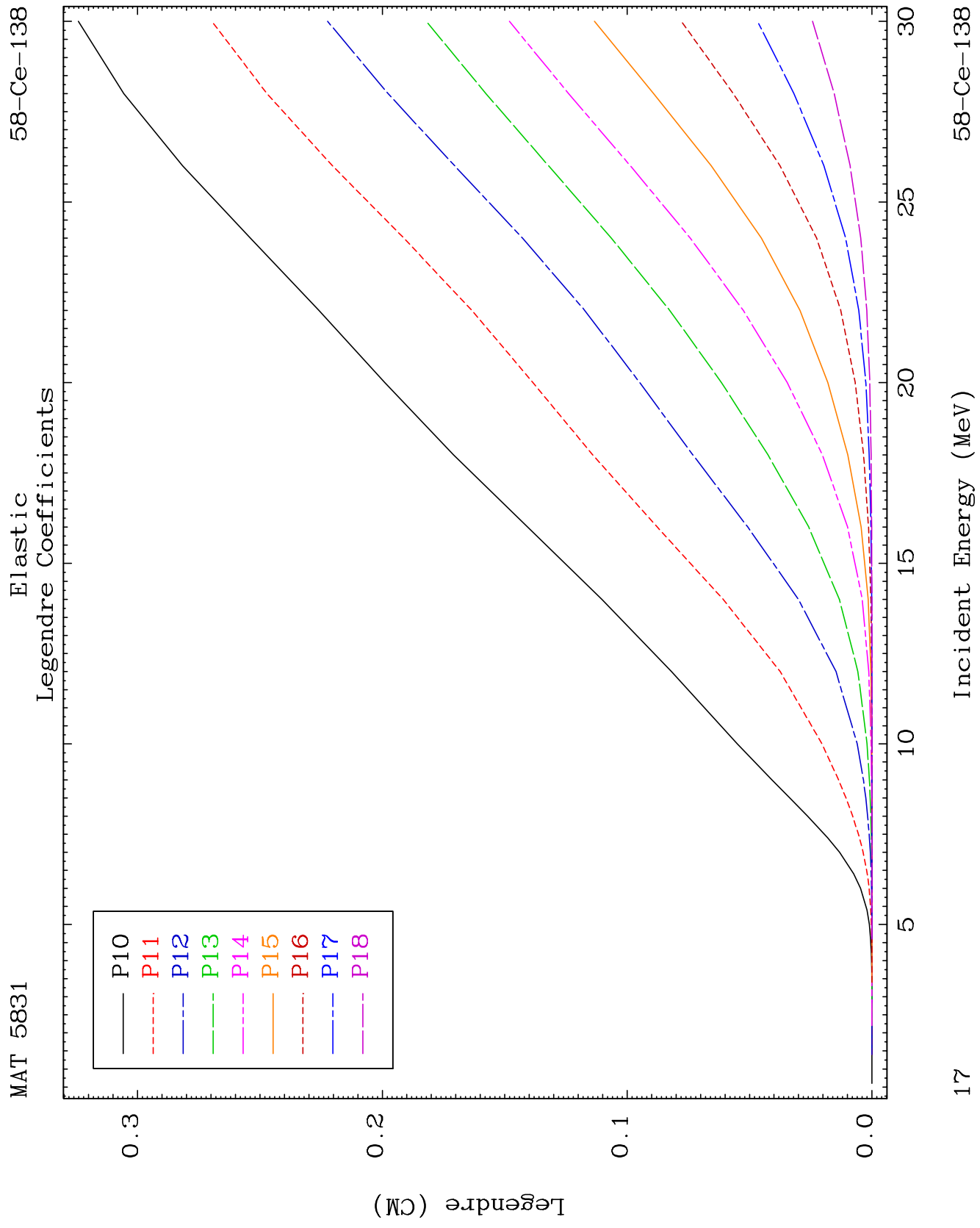
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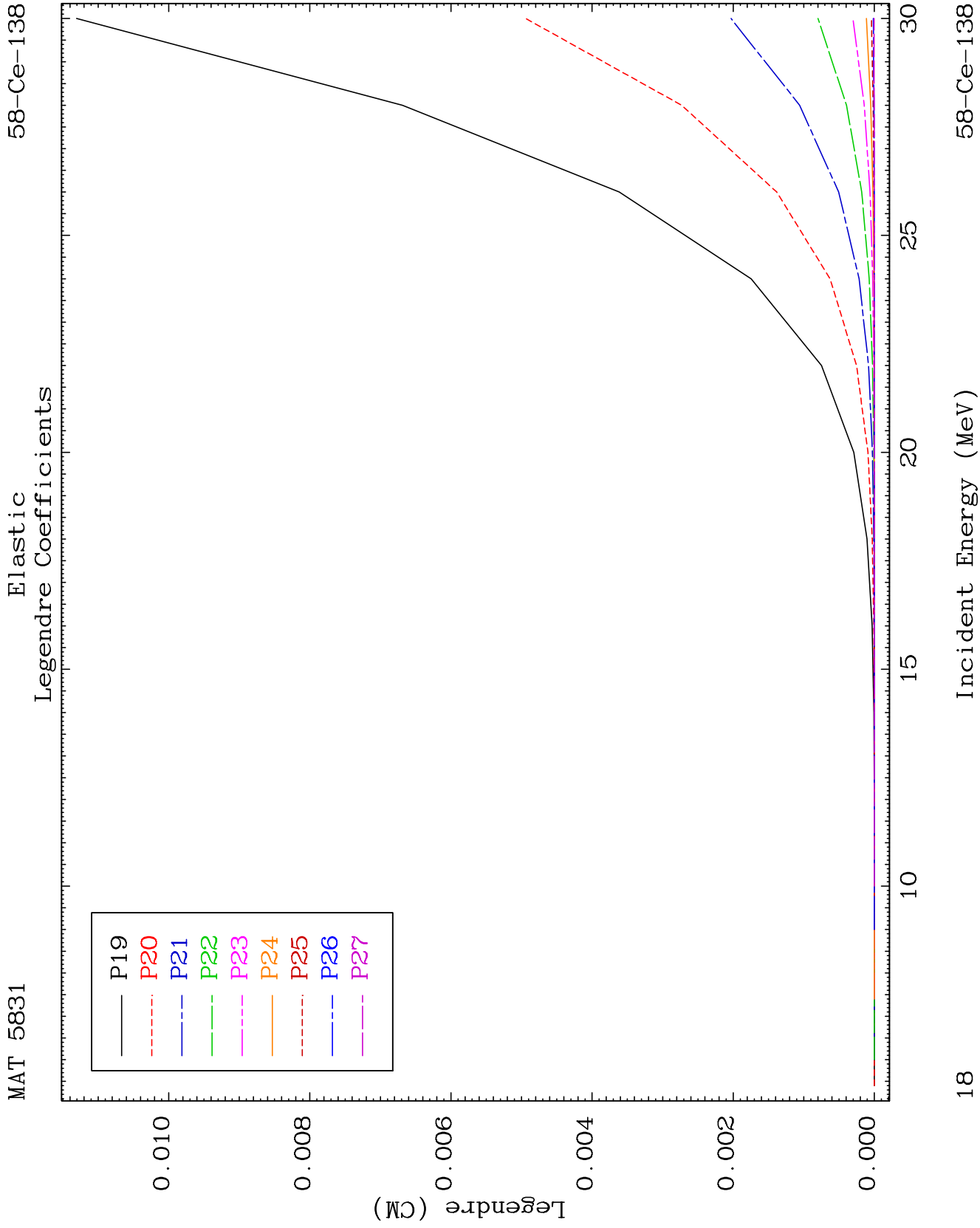
Incident Energy (MeV)

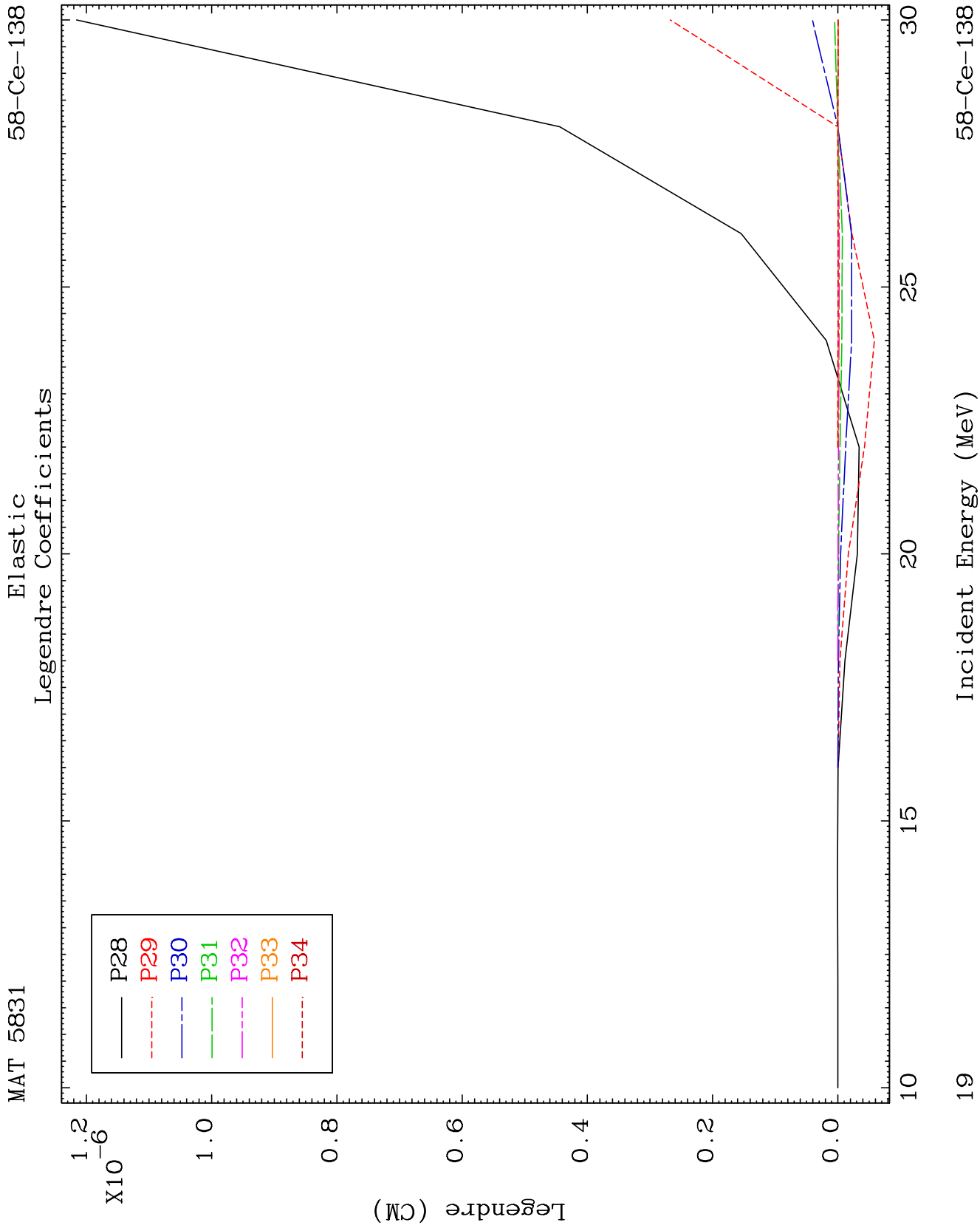
58-Ce-138









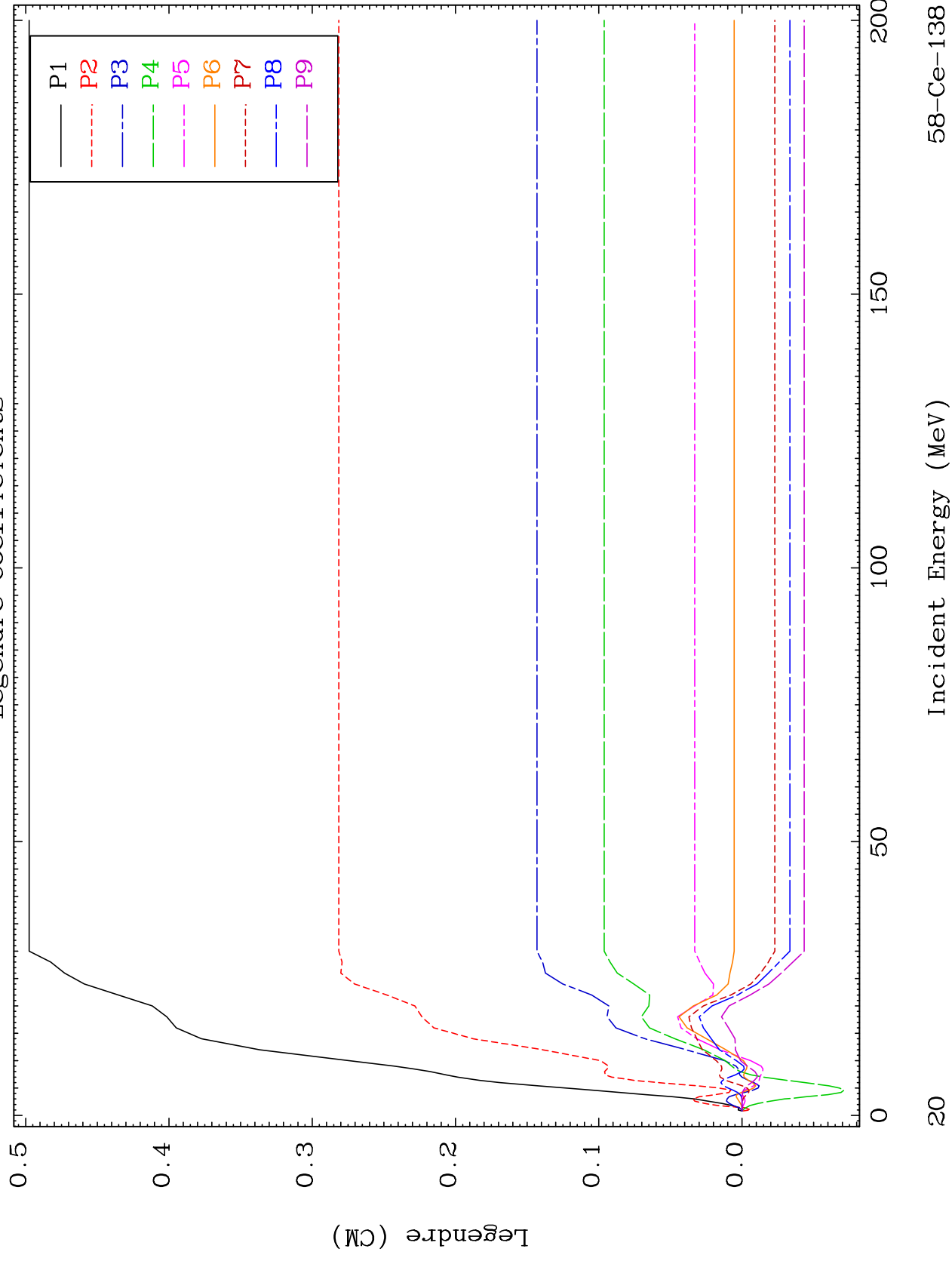


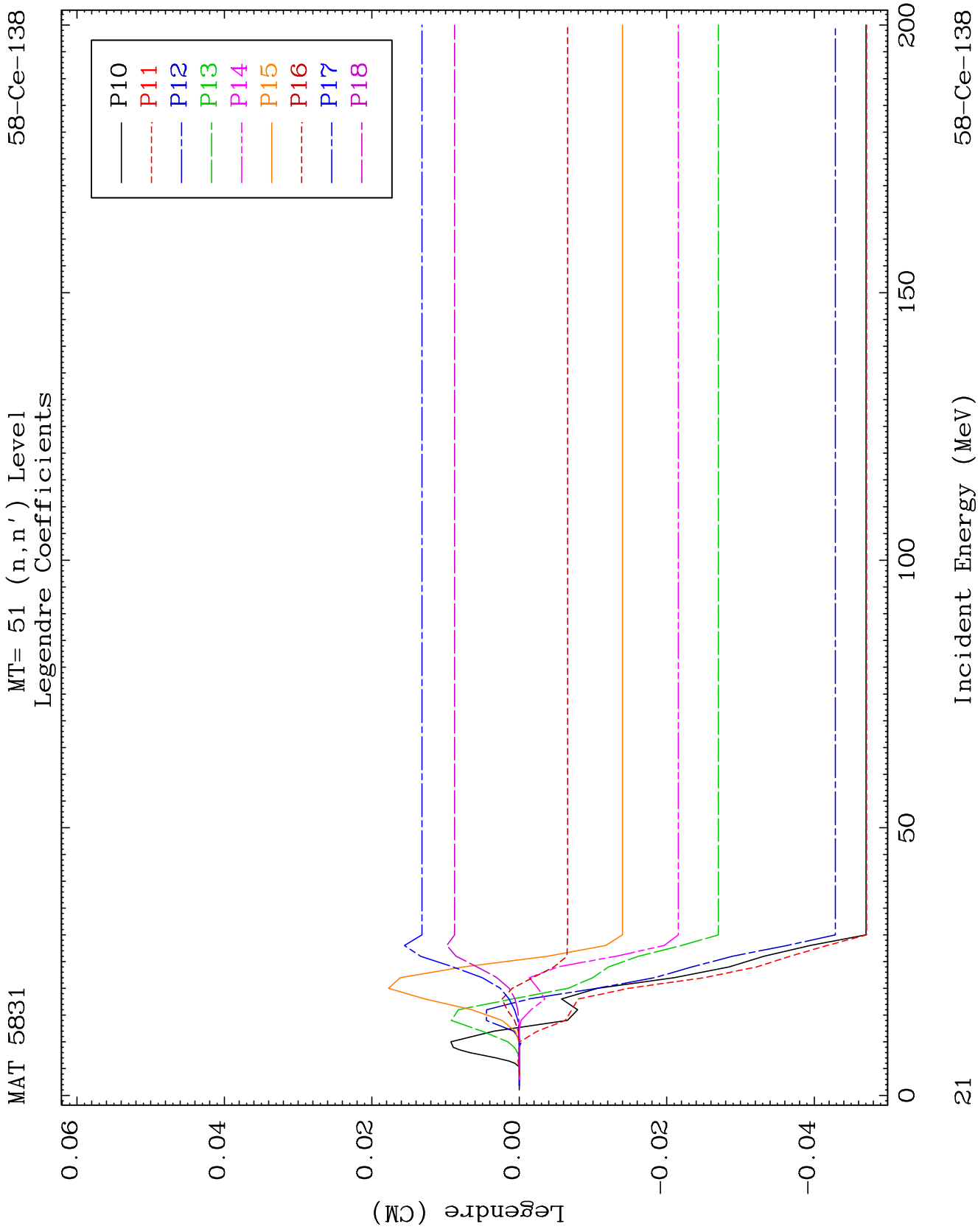
MAT 5831

MT= 51 (n, n') Level

58-Ce-138

Legendre Coefficients

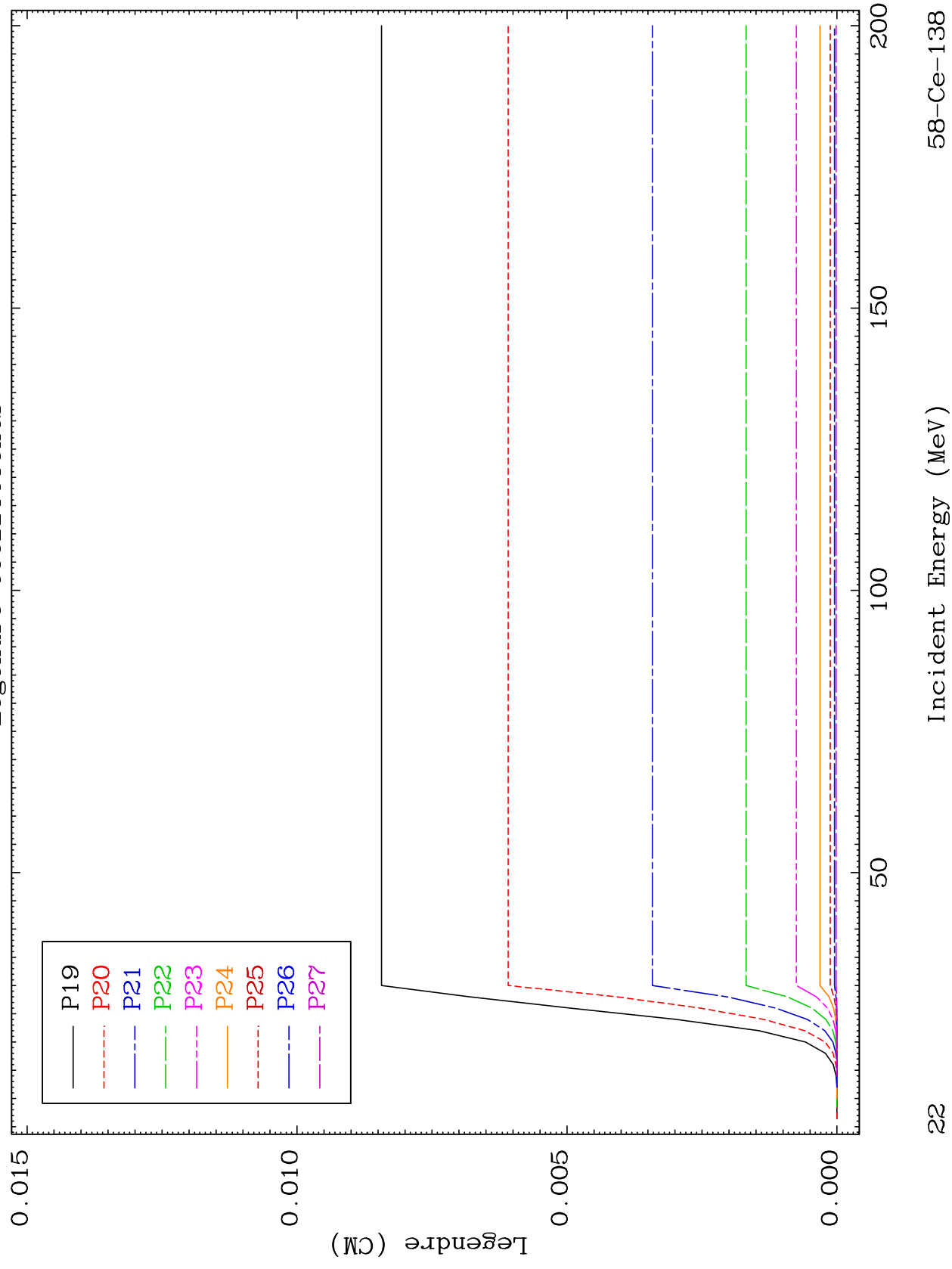


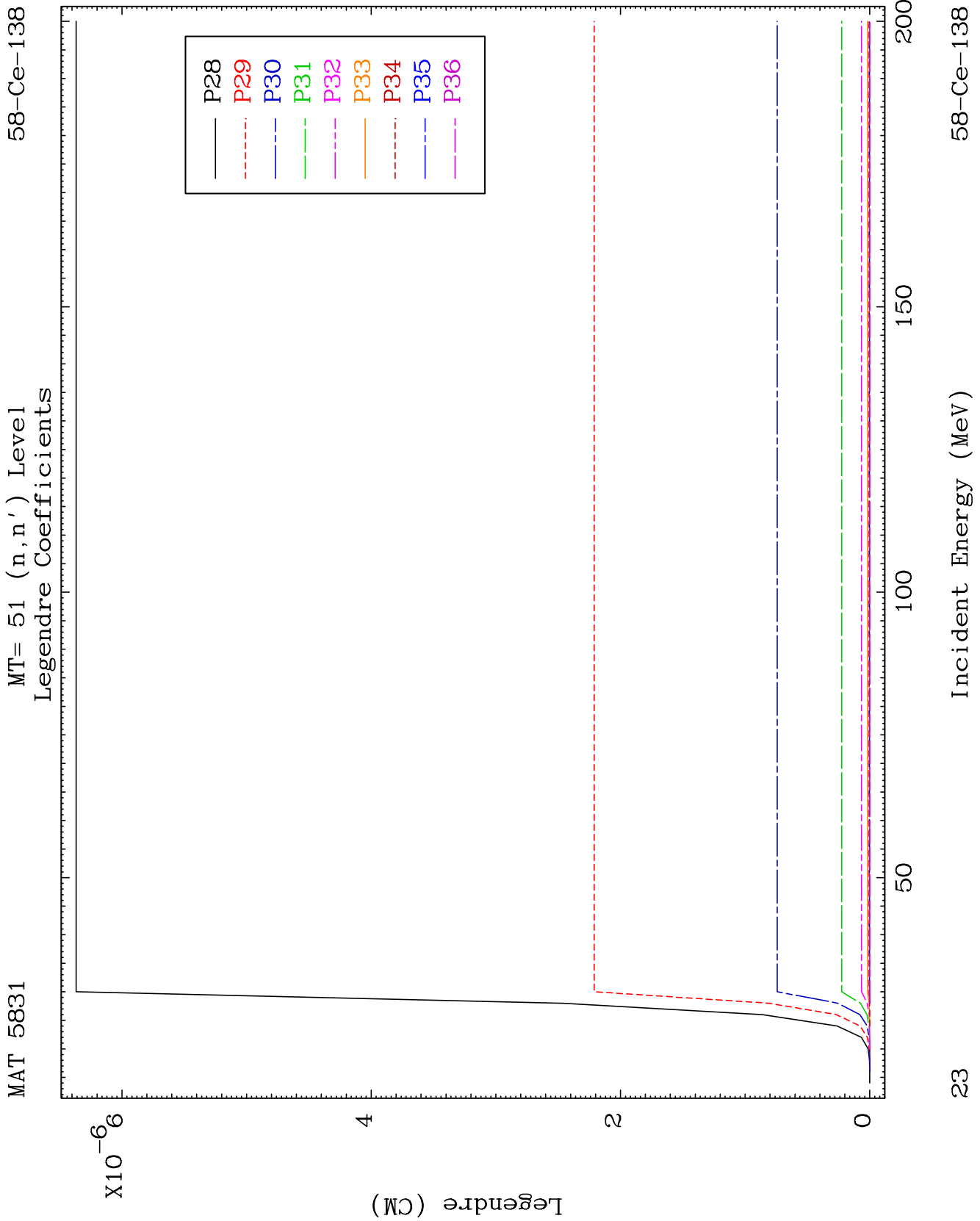


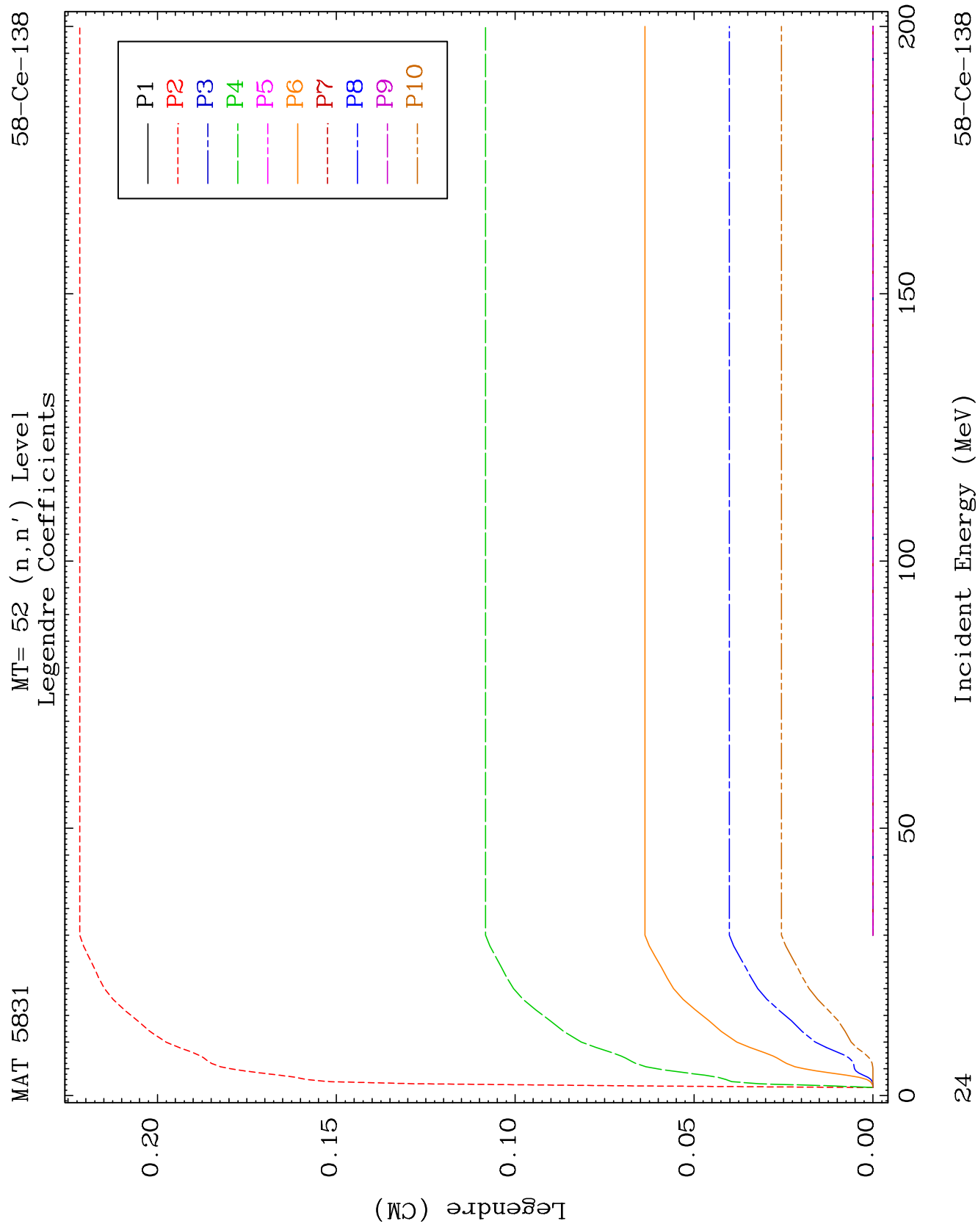
MAT 5831

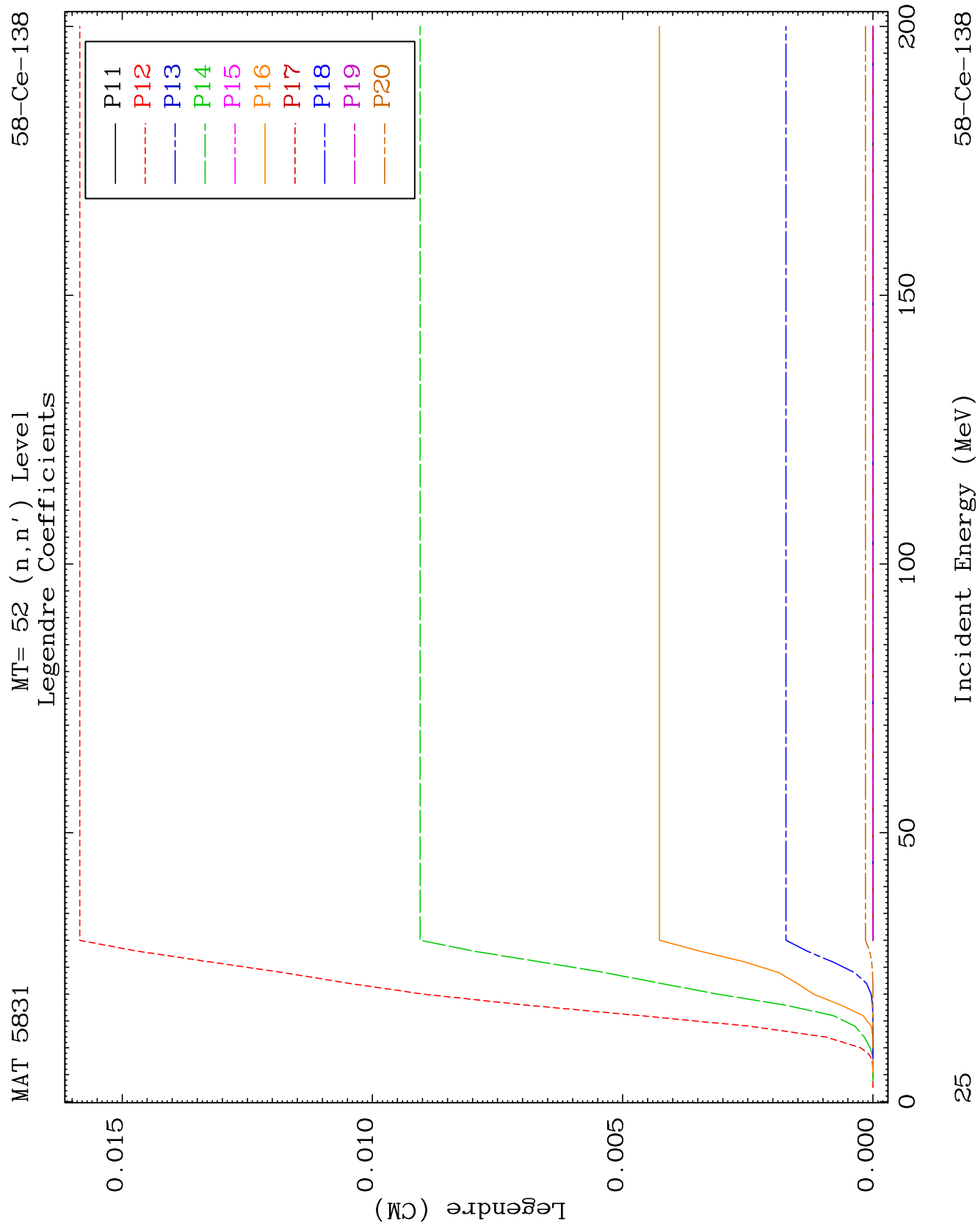
MT= 51 (n, n') Level
Legendre Coefficients

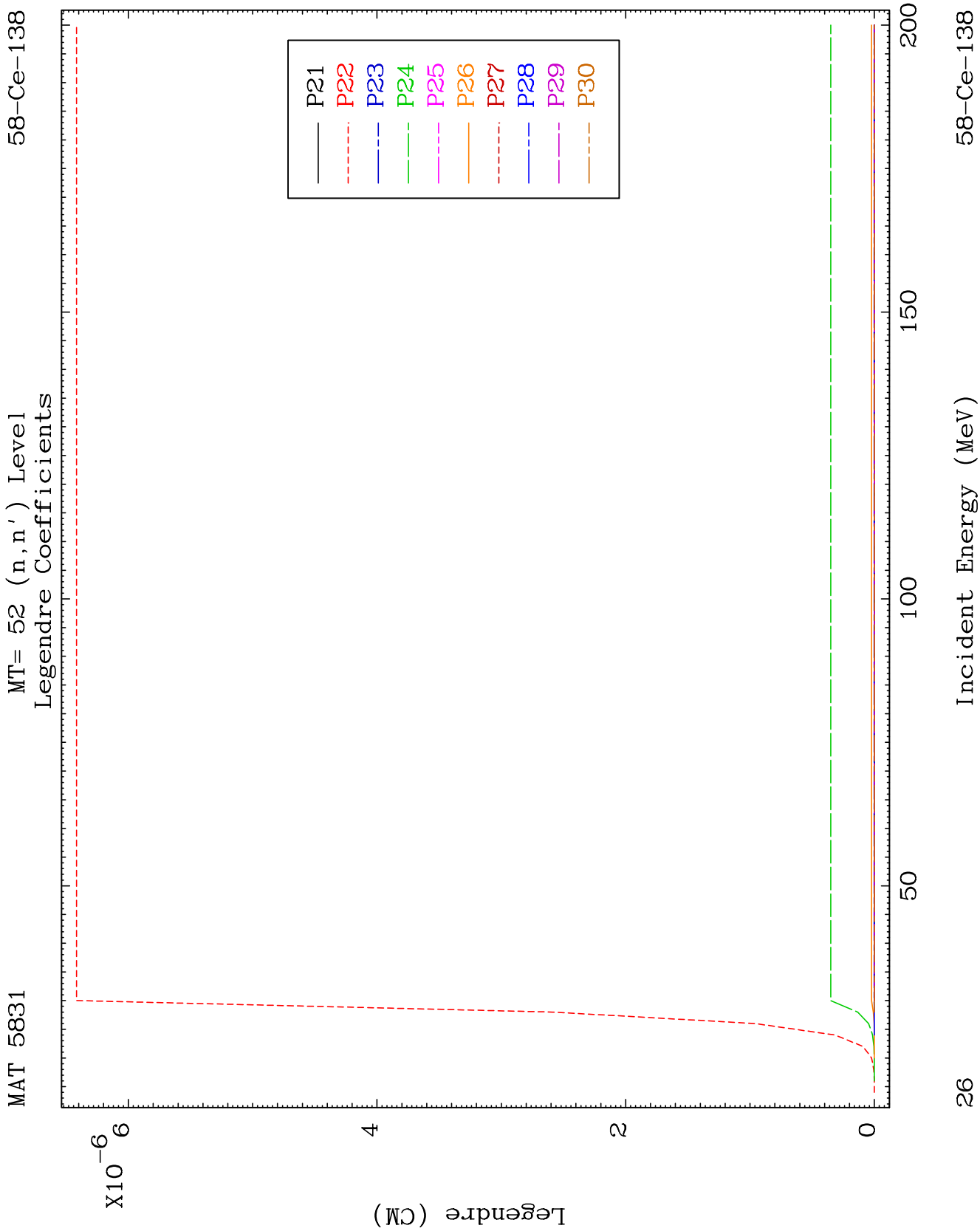
58-Ce-138







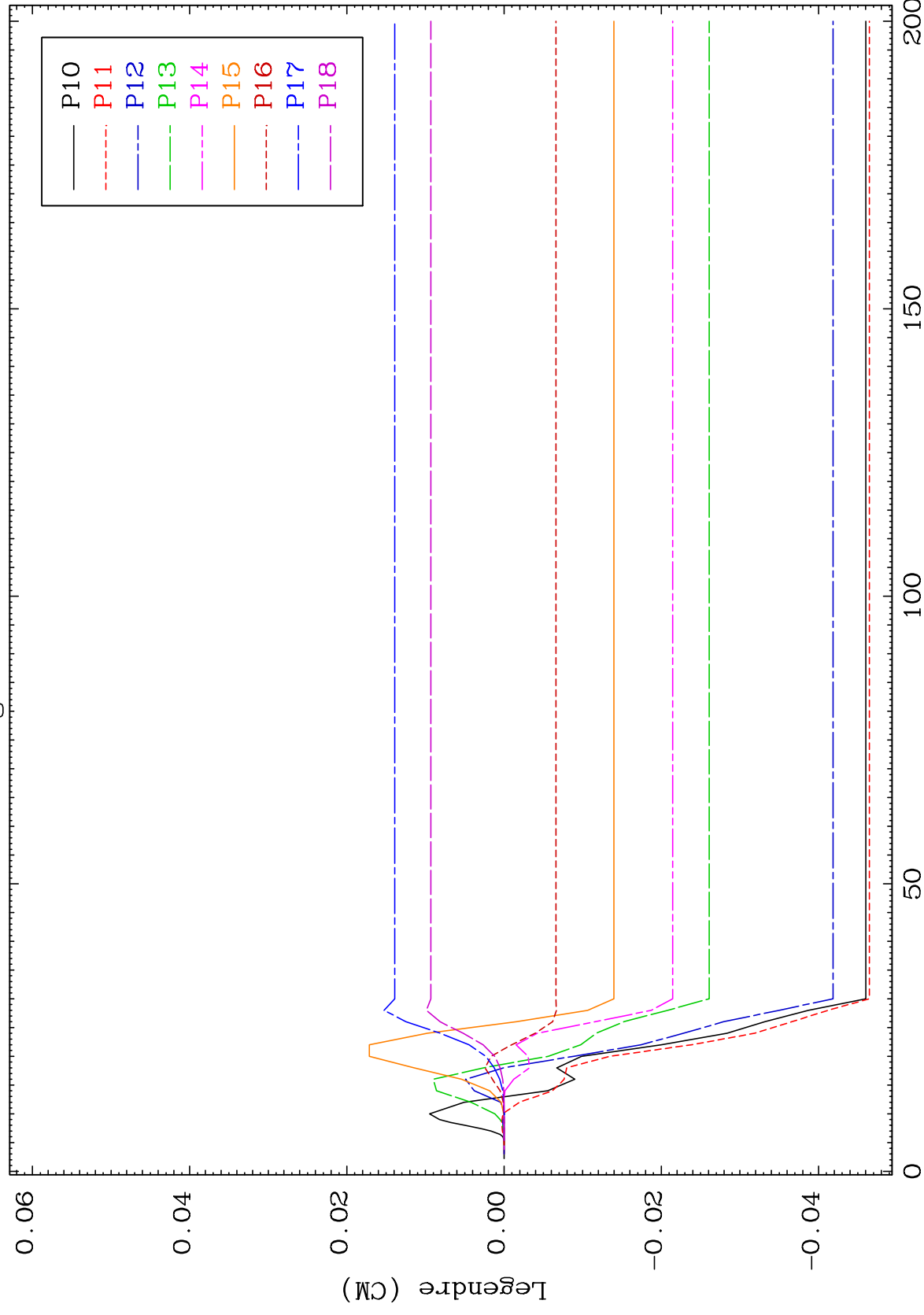




MAT 5831

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

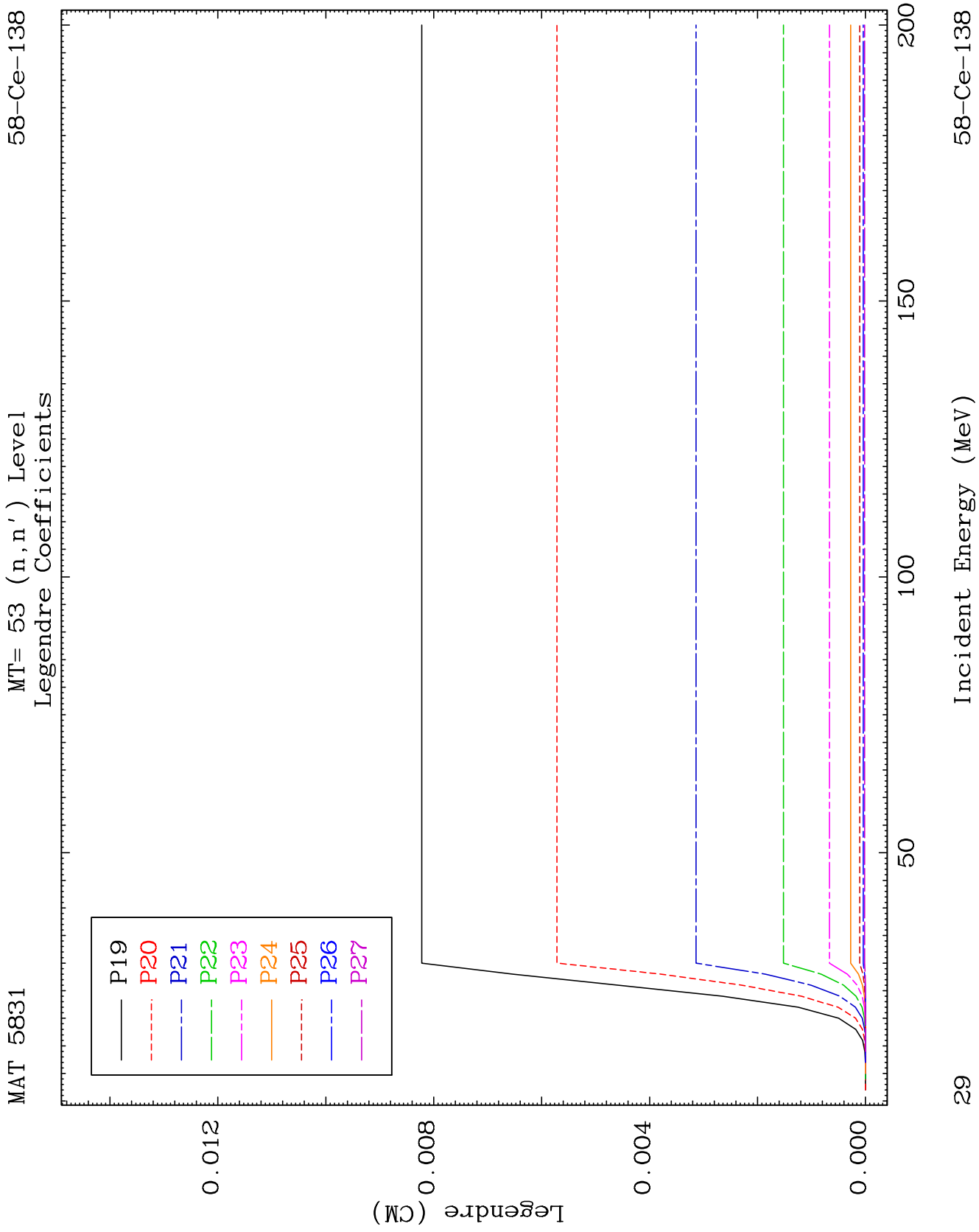
58-Ce-138

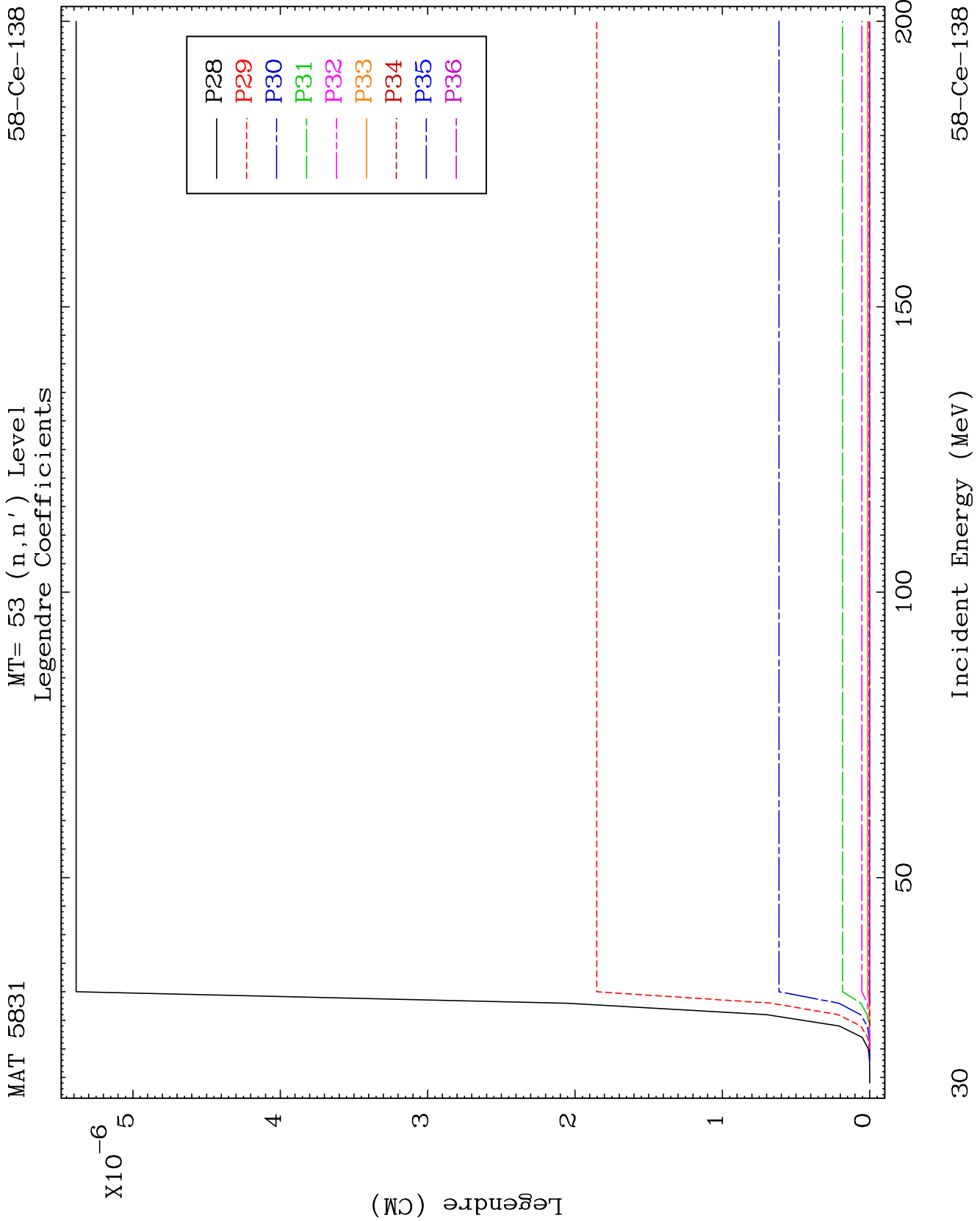


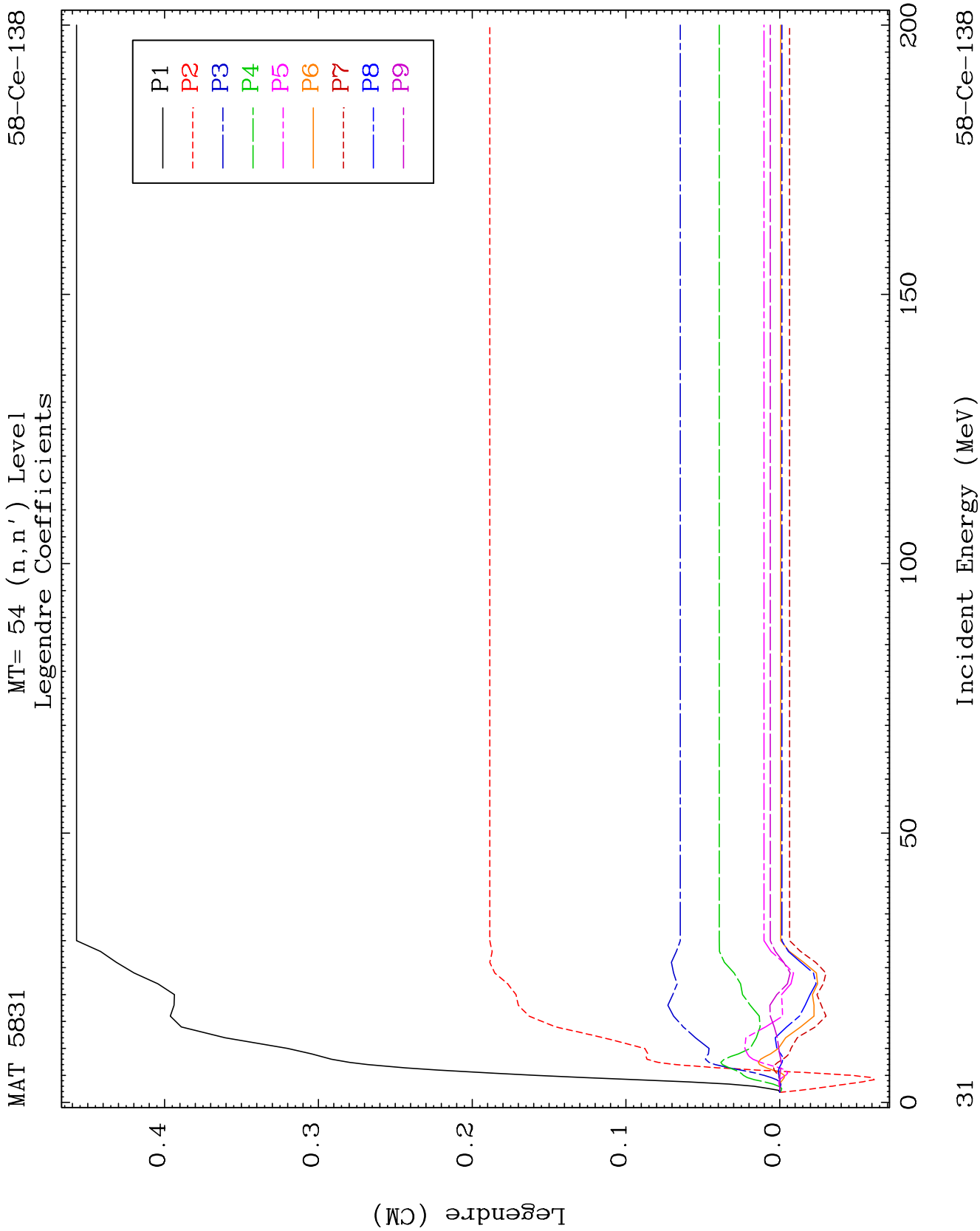
28

Incident Energy (MeV)

58-Ce-138



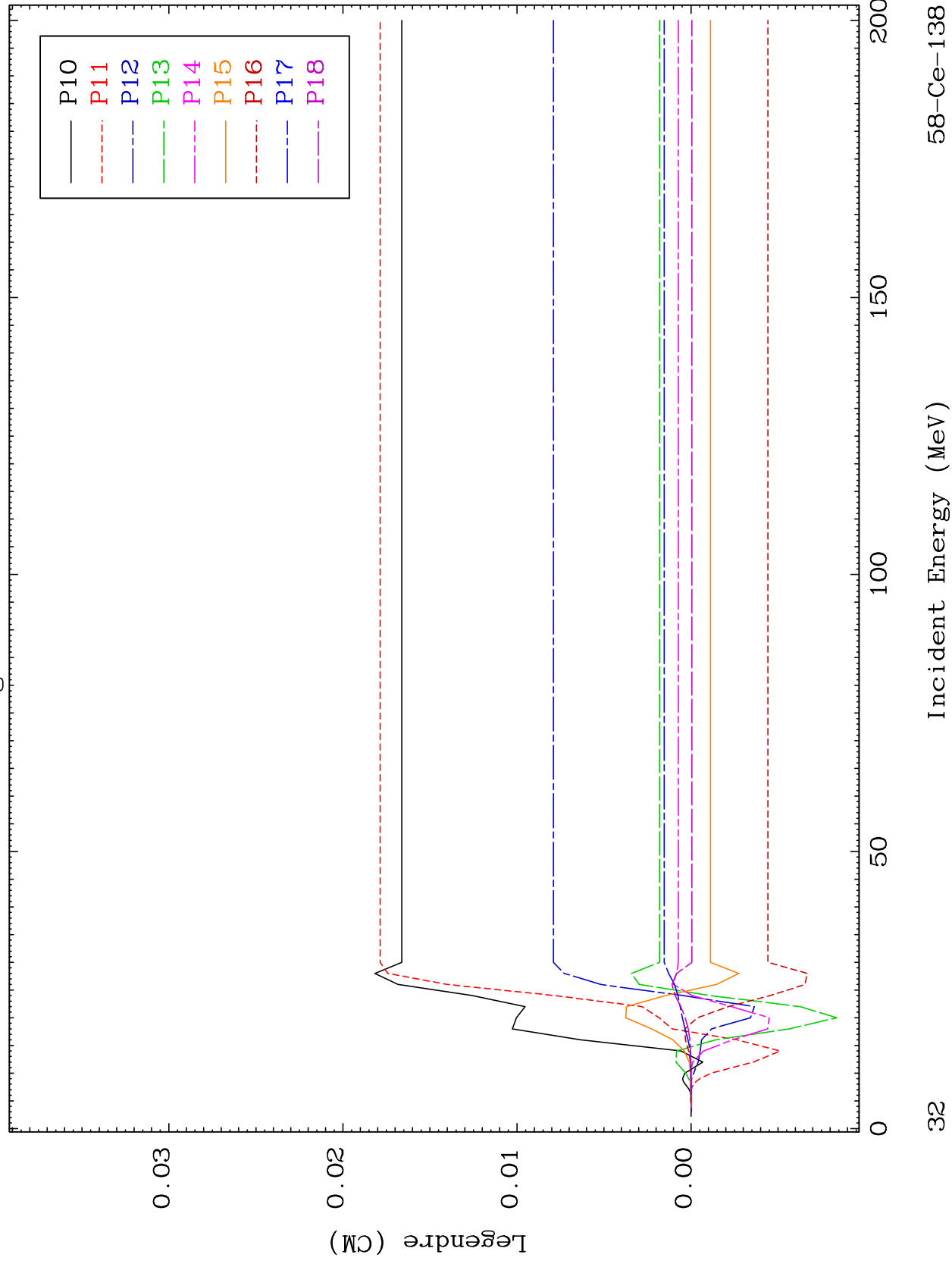


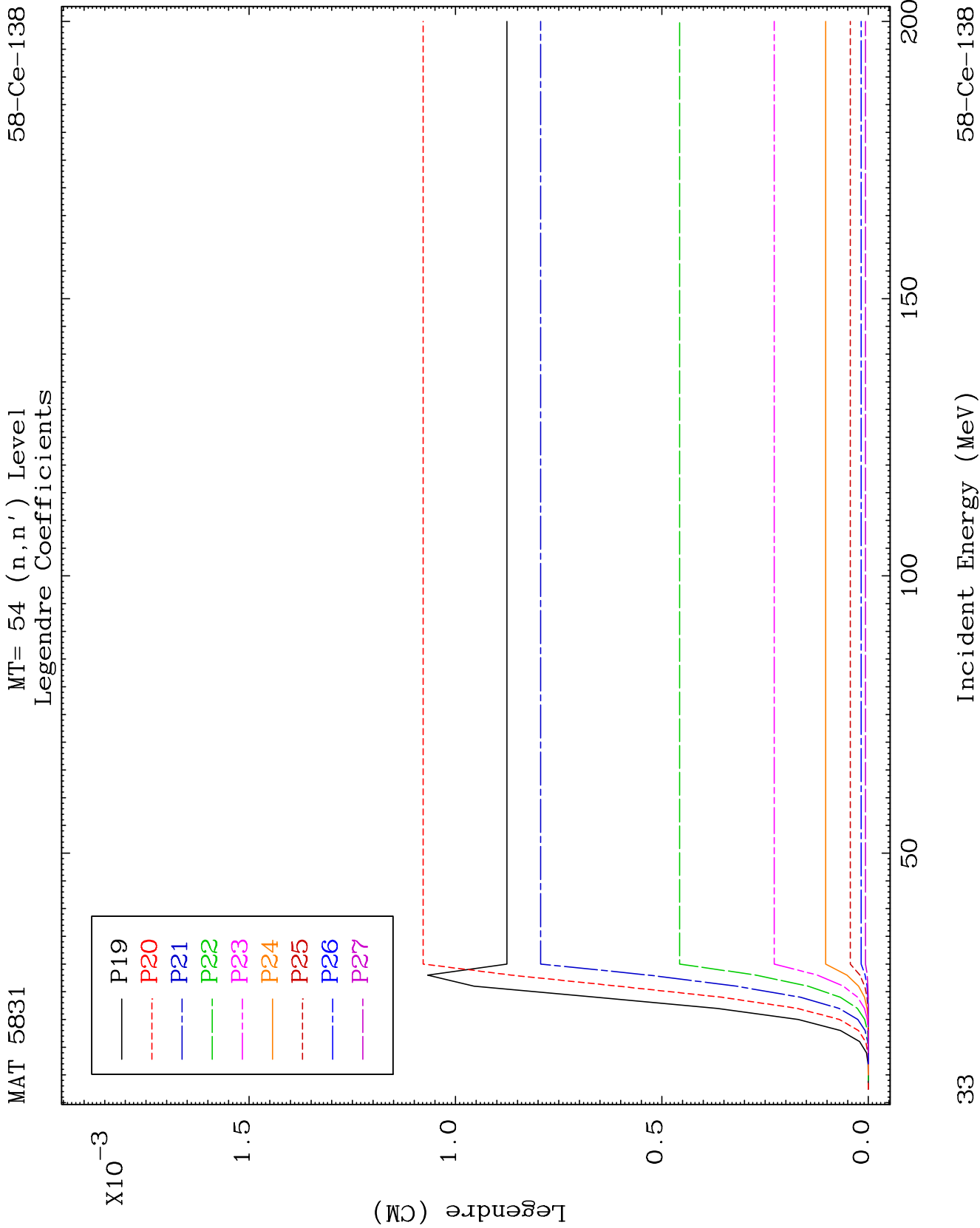


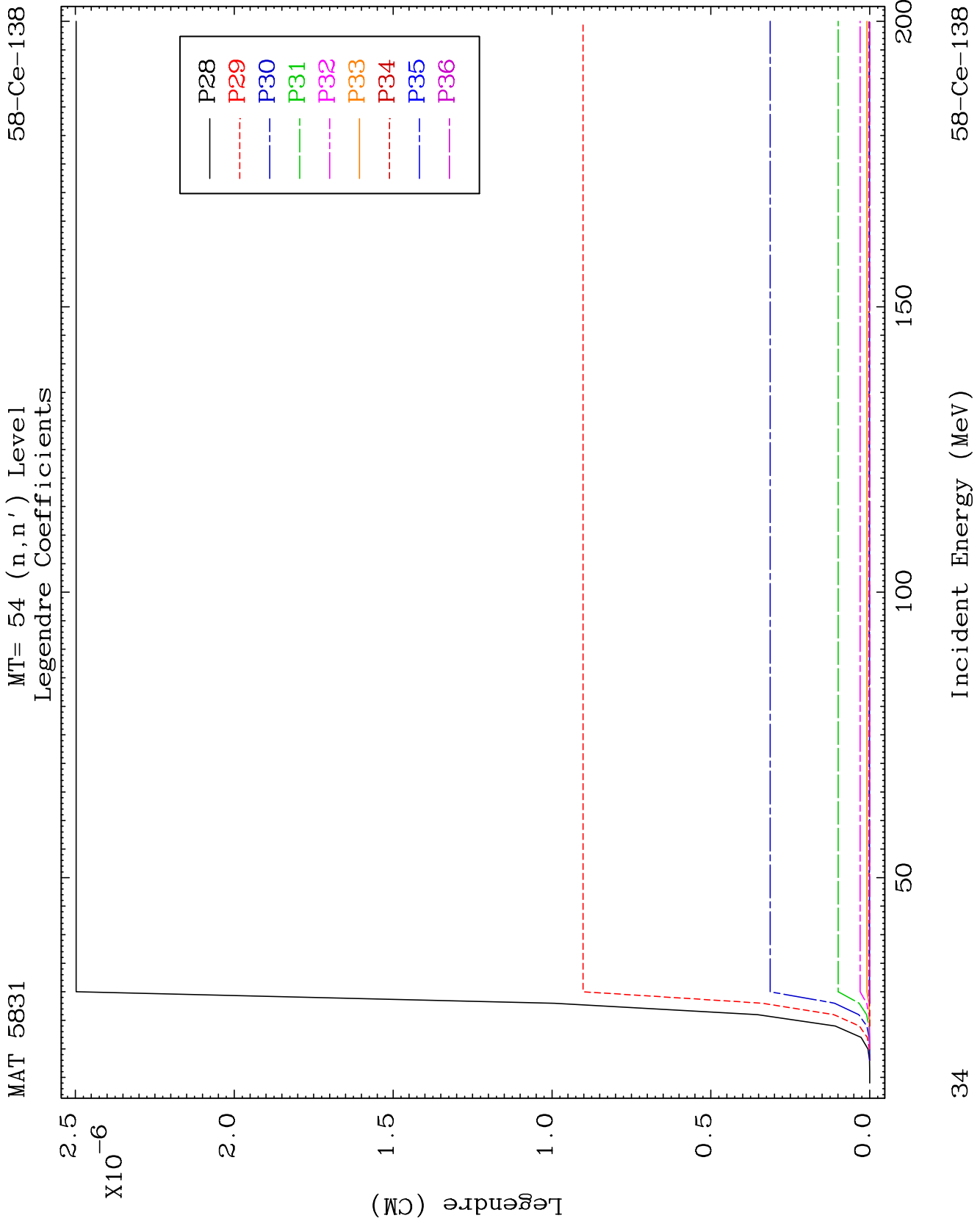
MAT 5831

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

58-Ce-138



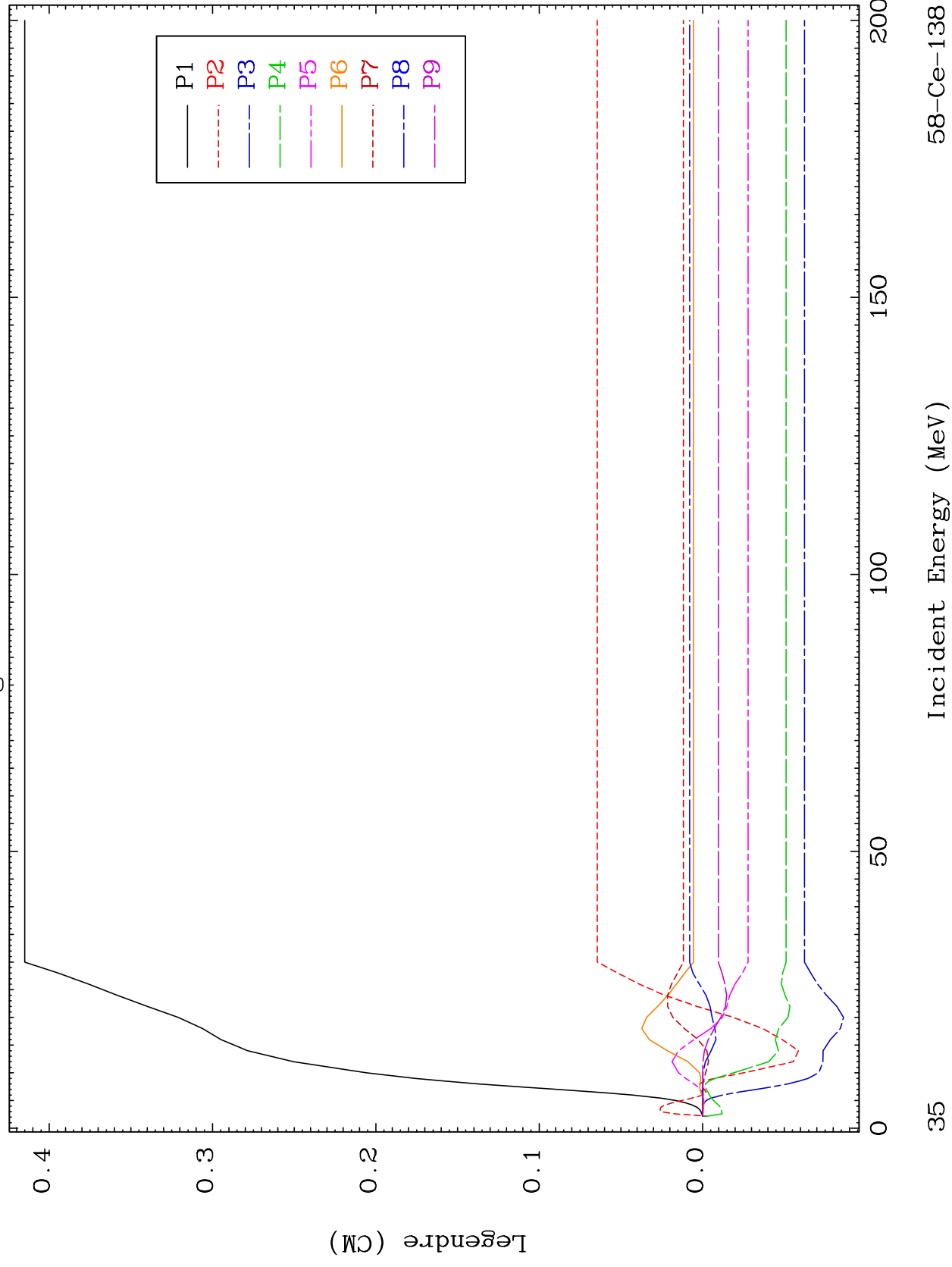


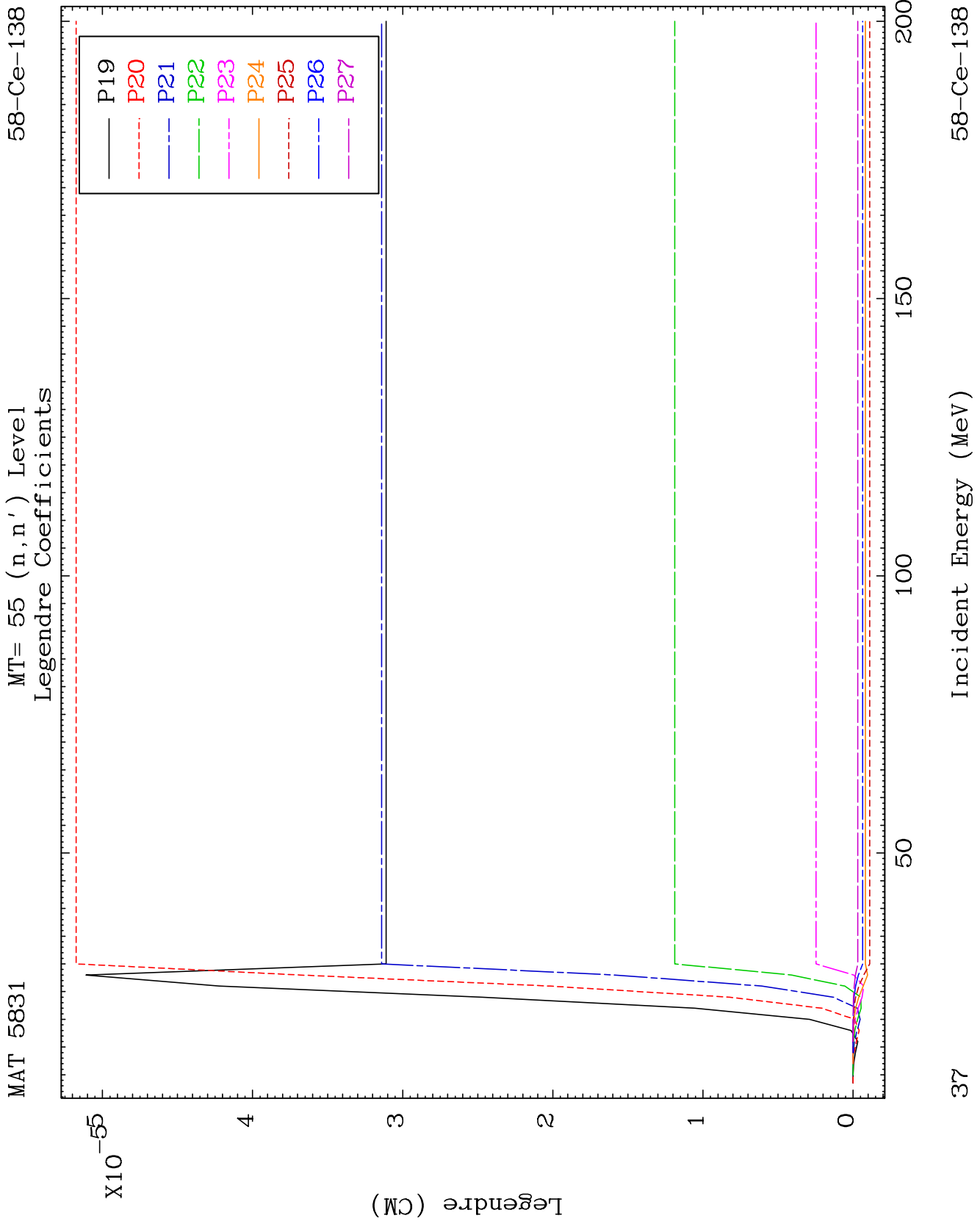


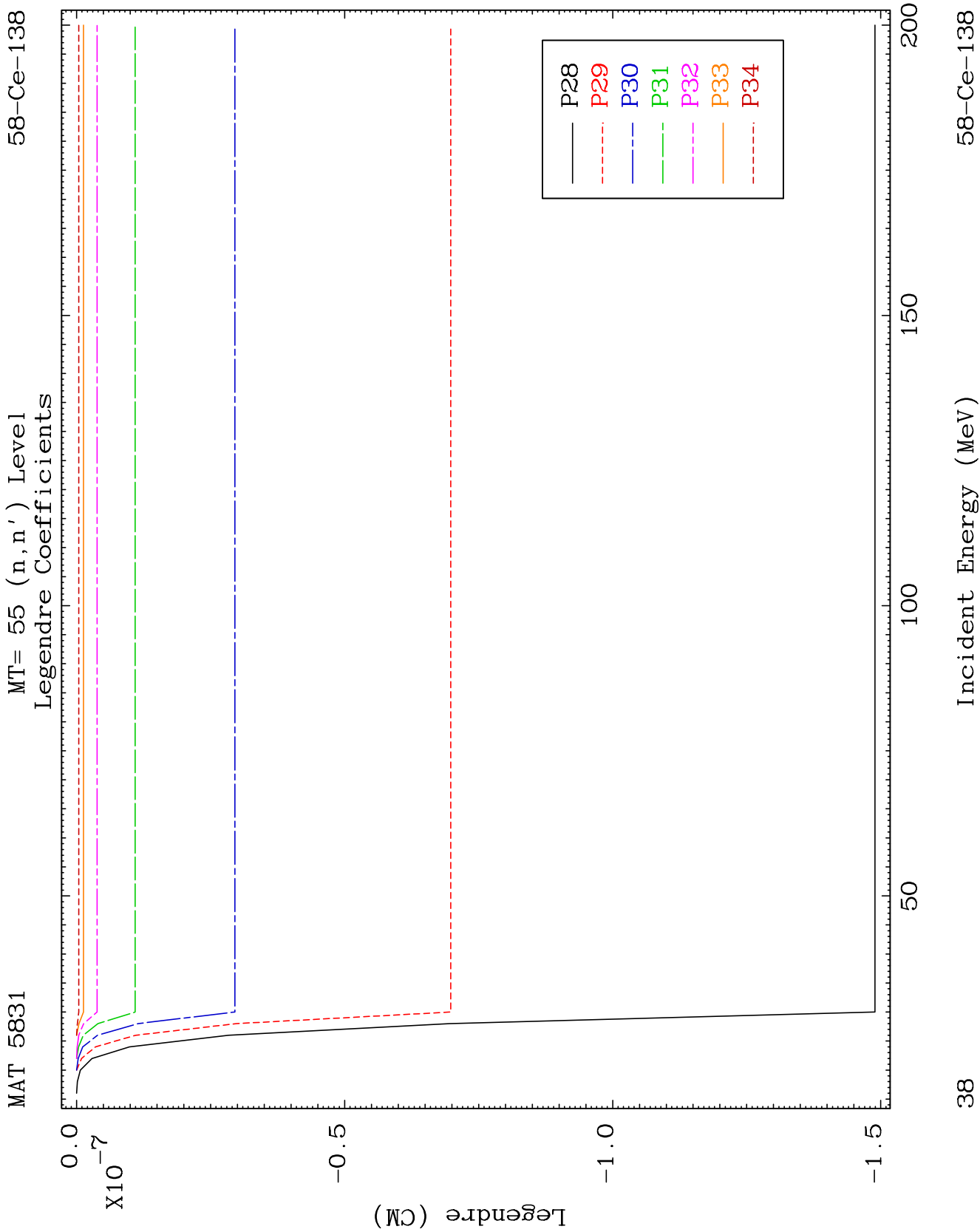
MAT 5831

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

58-Ce-138



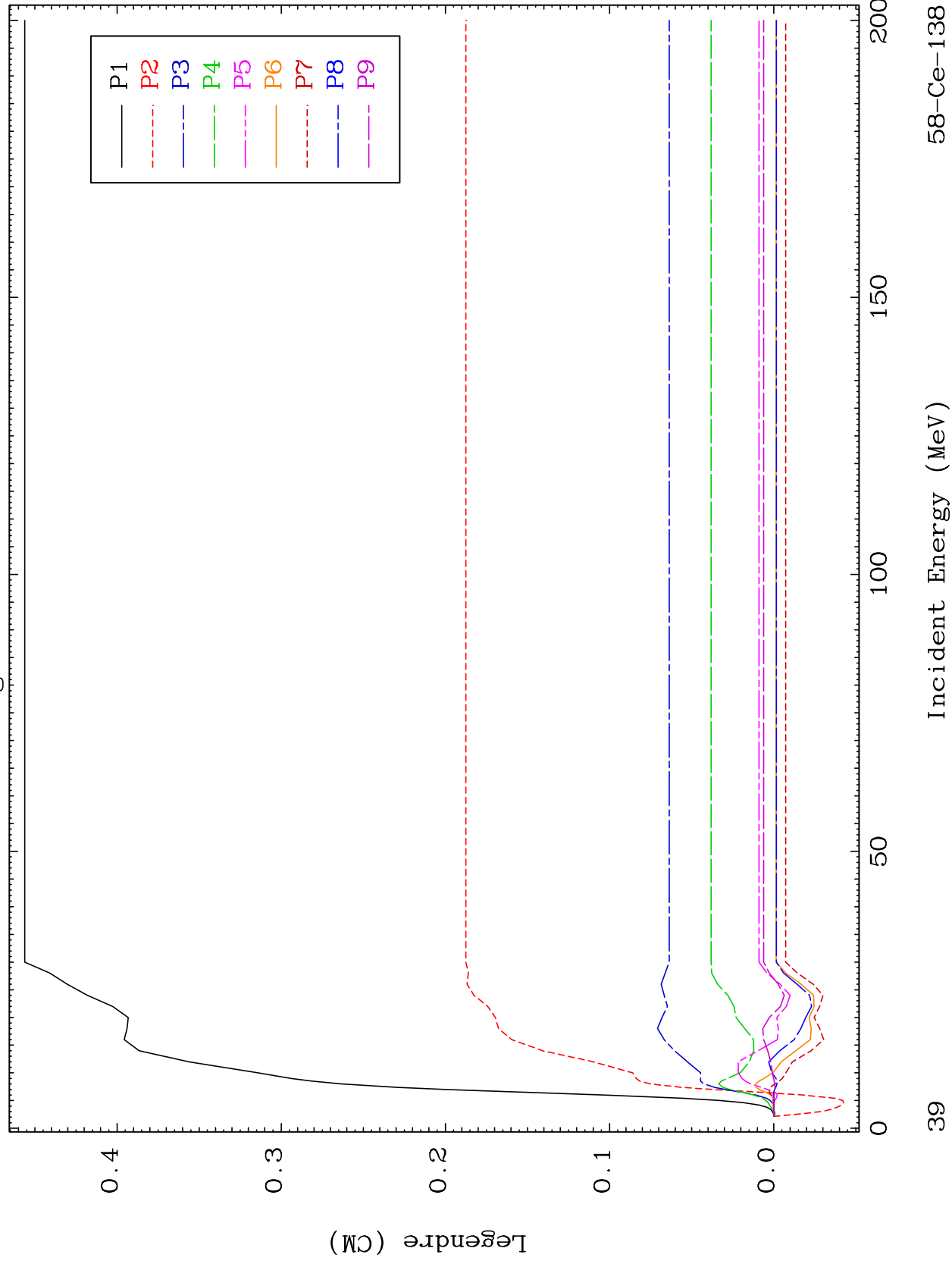




MAT 5831

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

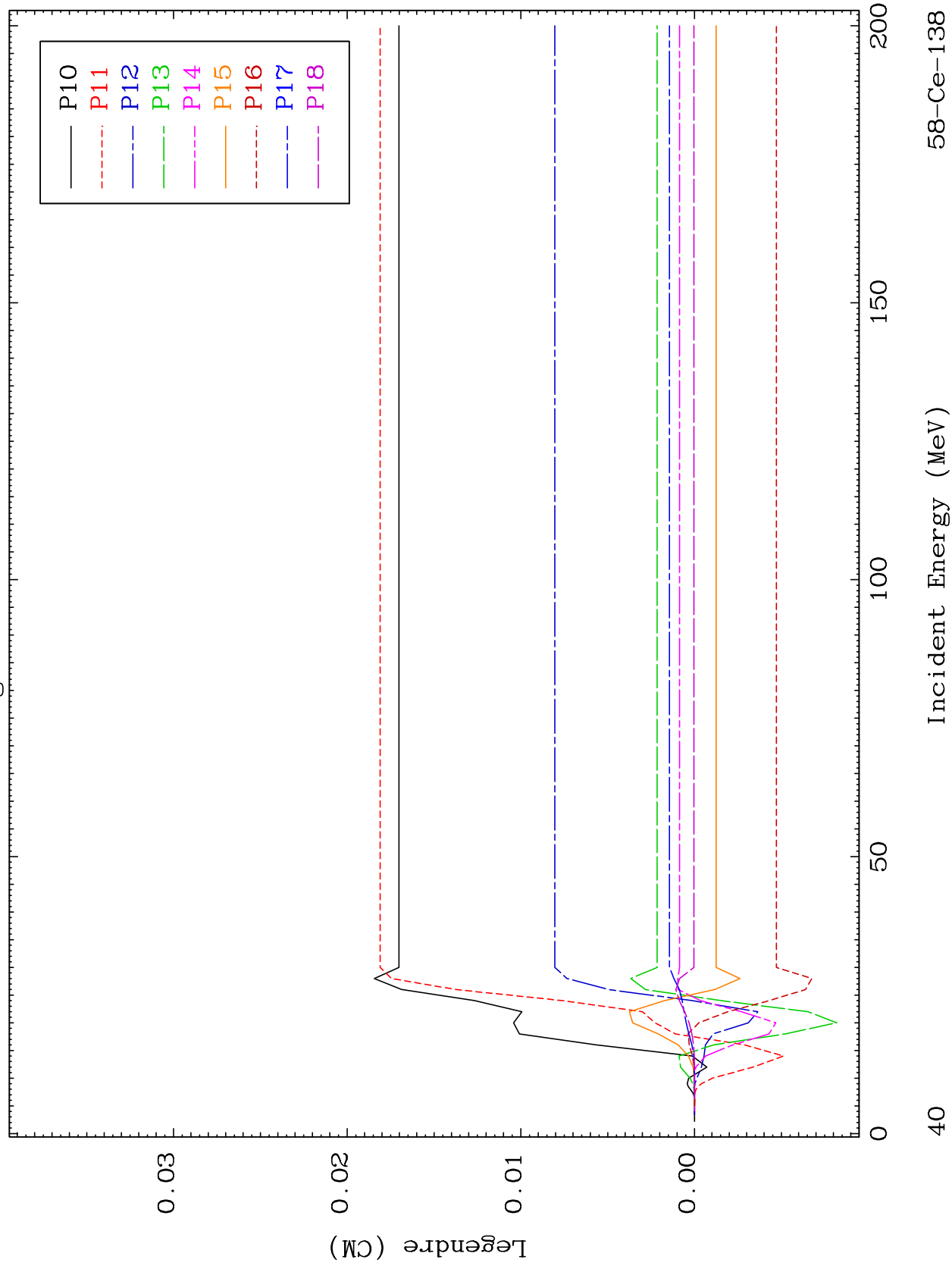
58-Ce-138

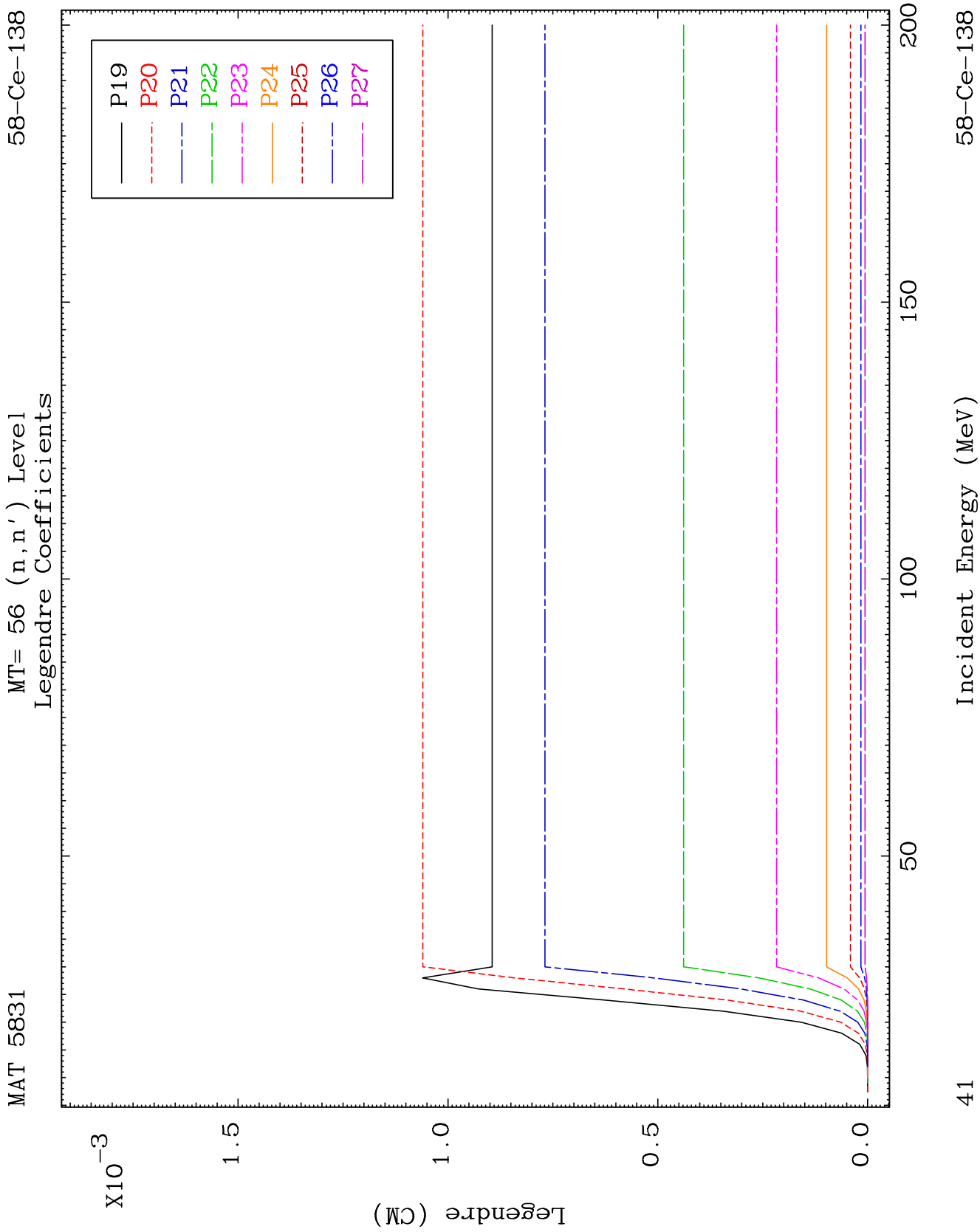


MAT 5831

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

58-Ce-138

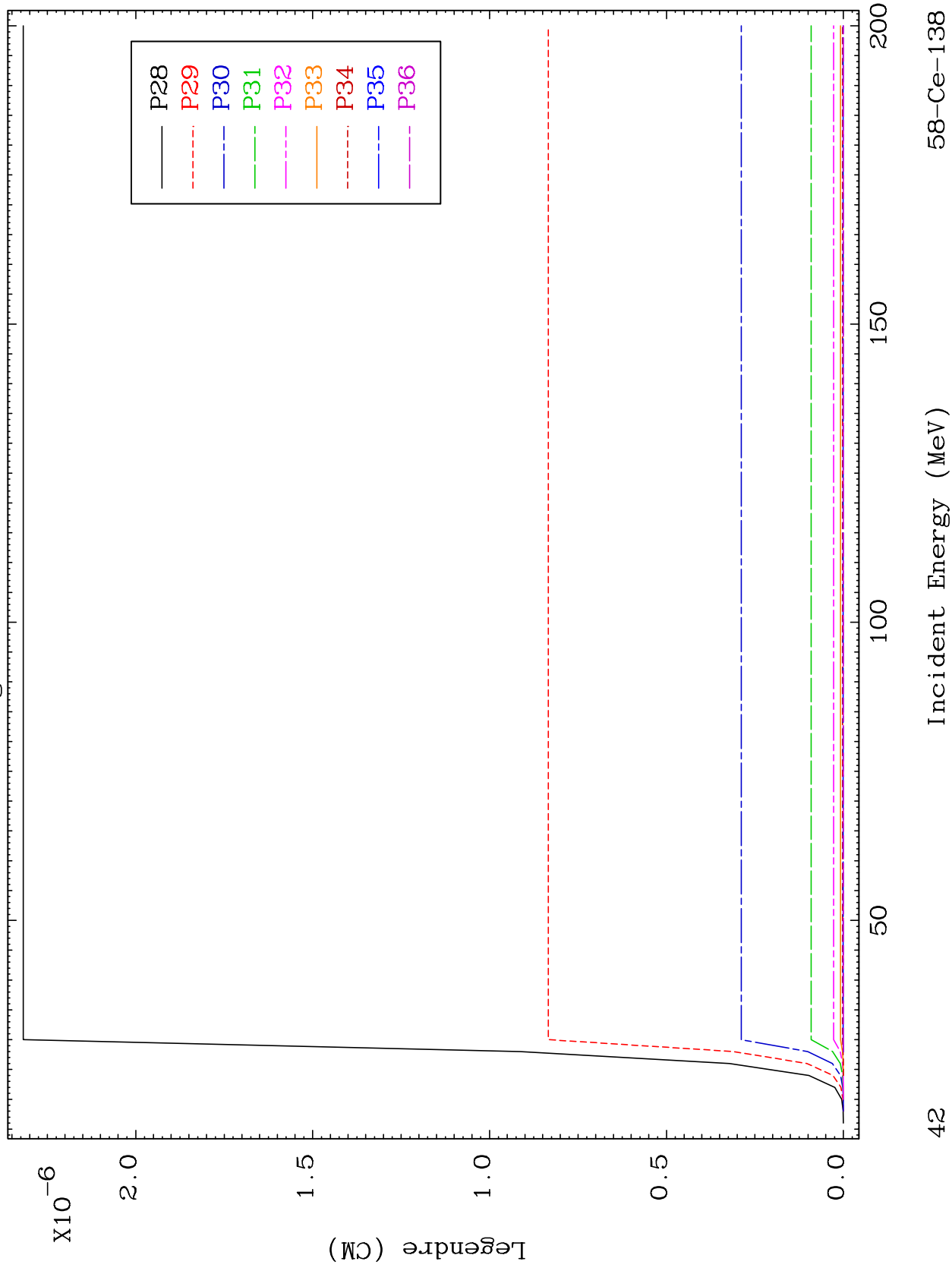


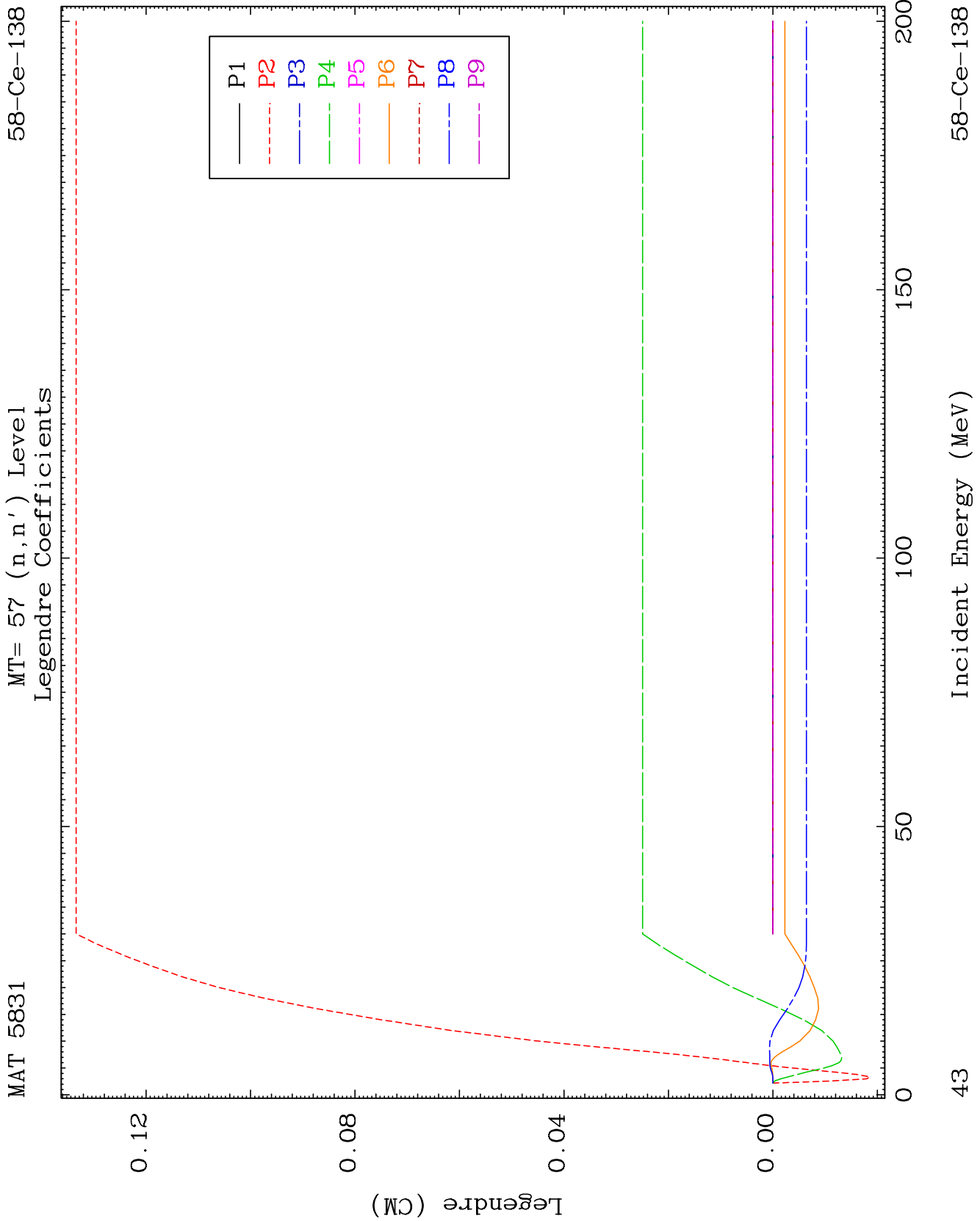


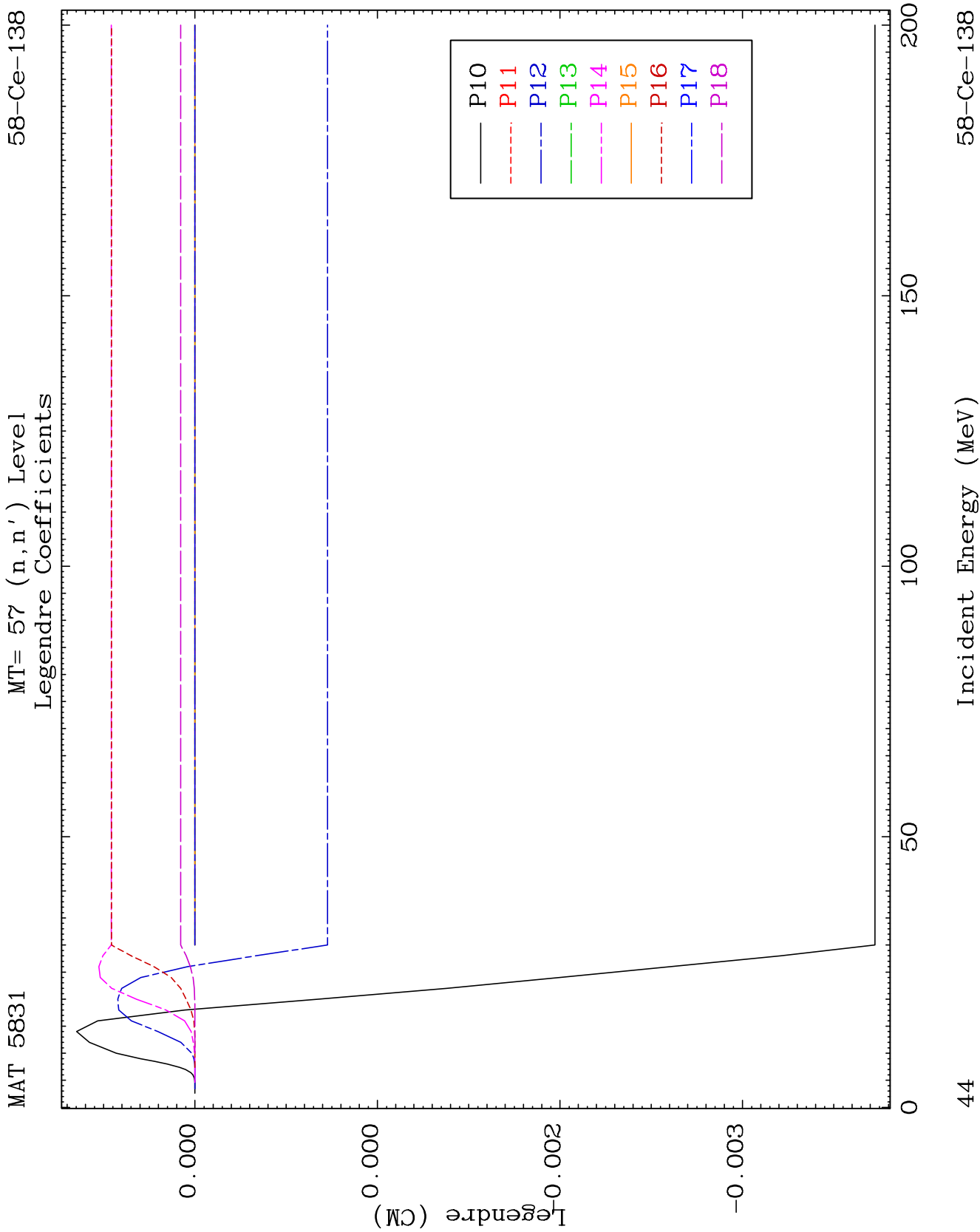
MAT 5831

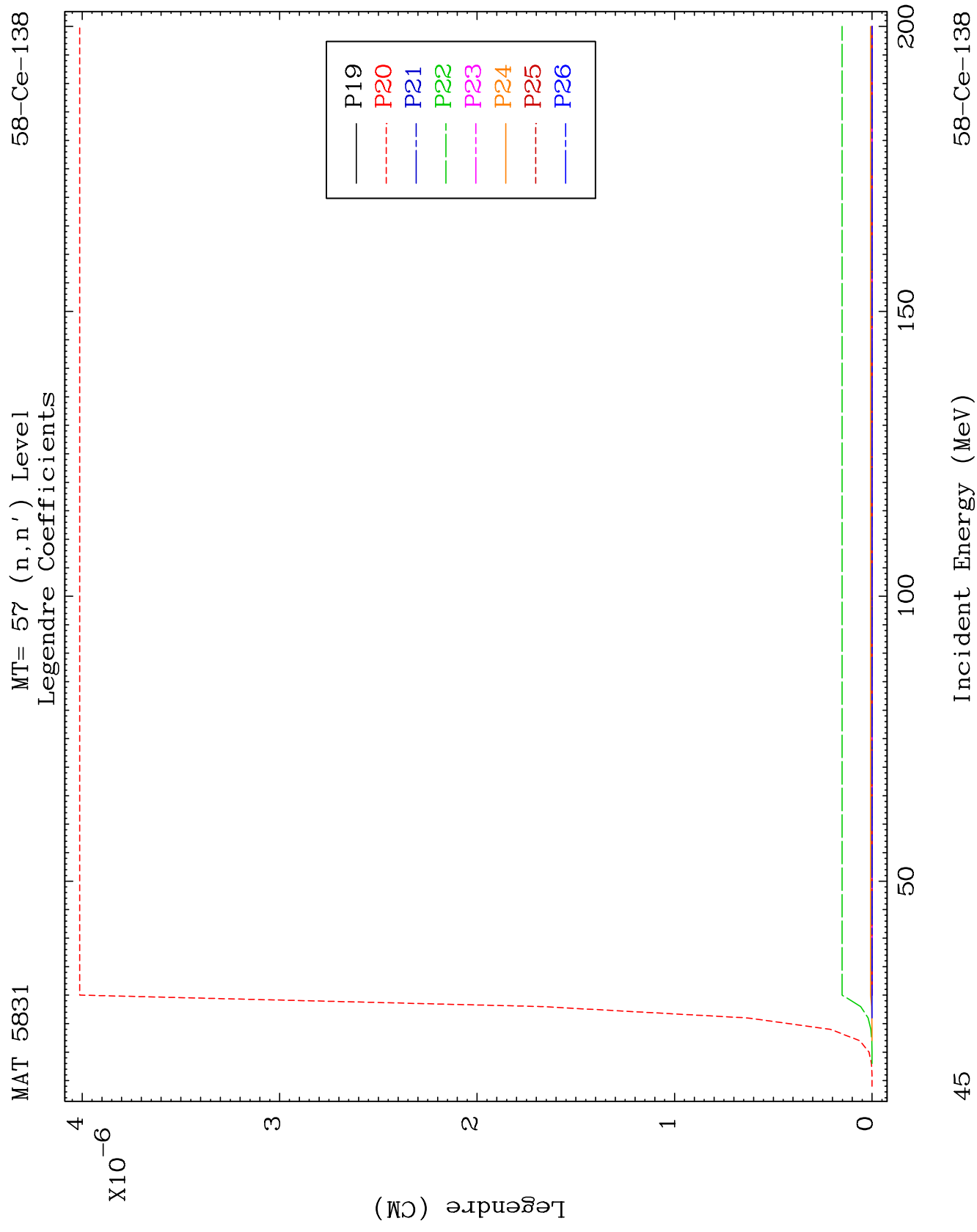
MT= 56 (n, n') Level
Legendre Coefficients

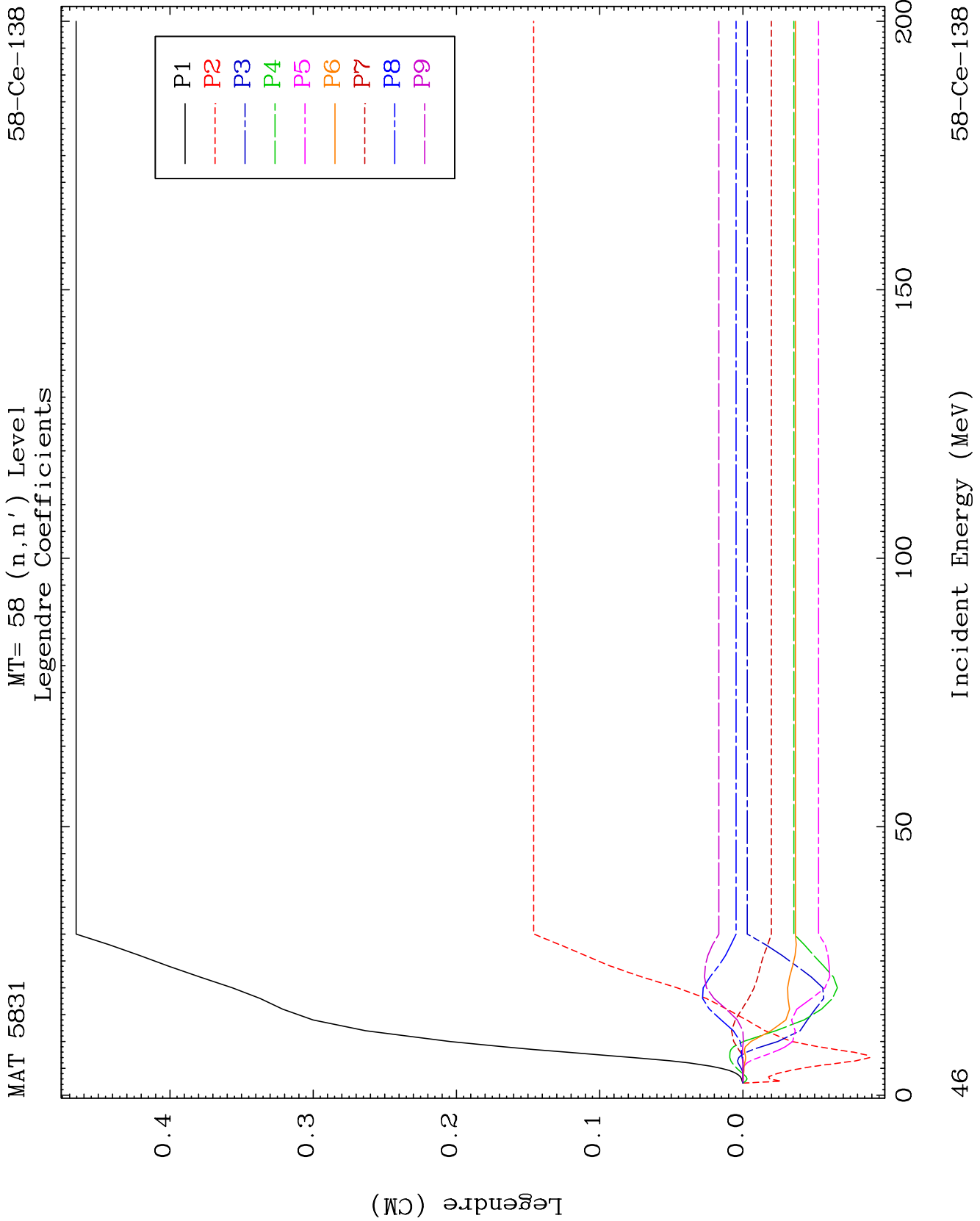
58-Ce-138







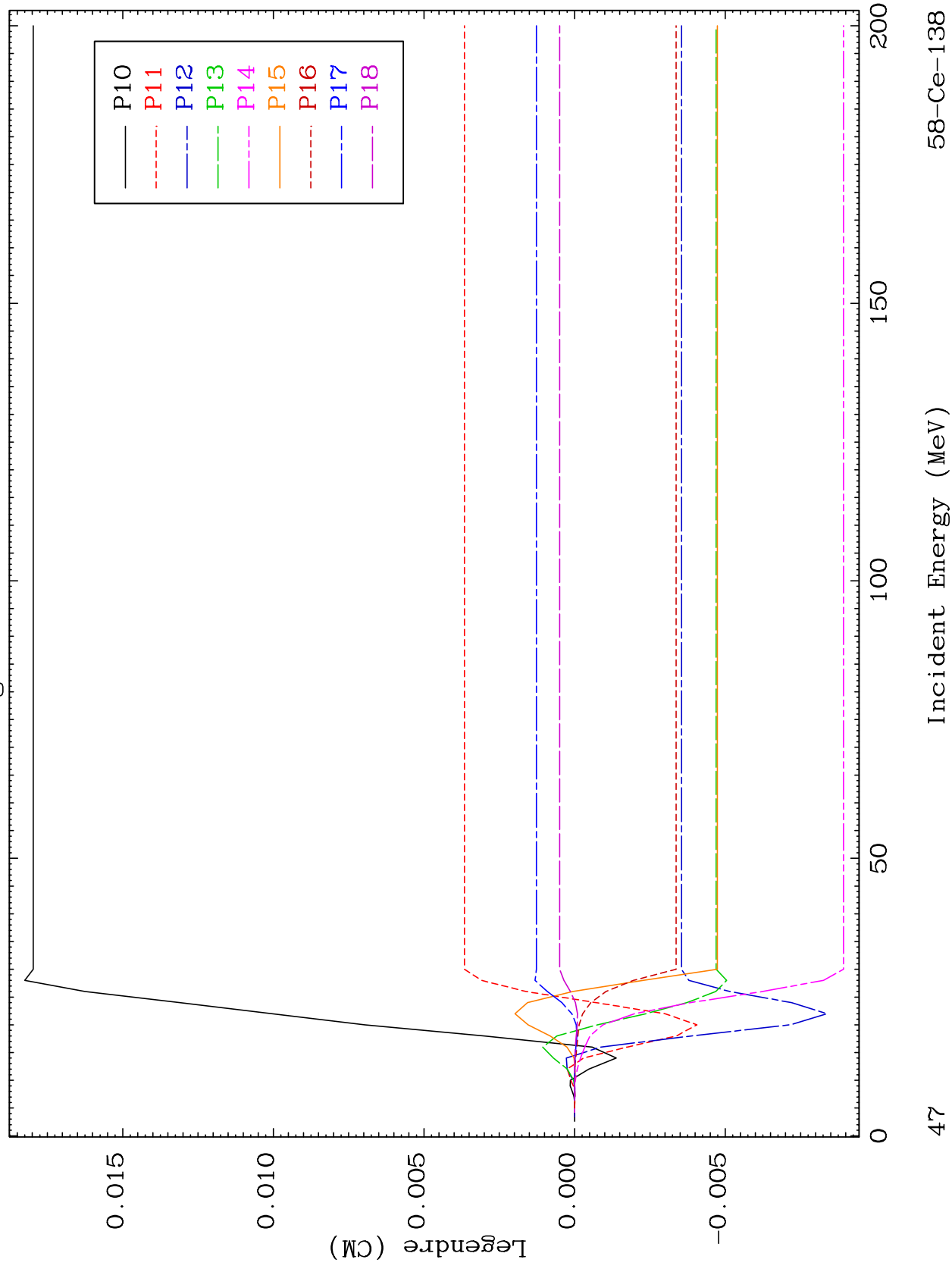


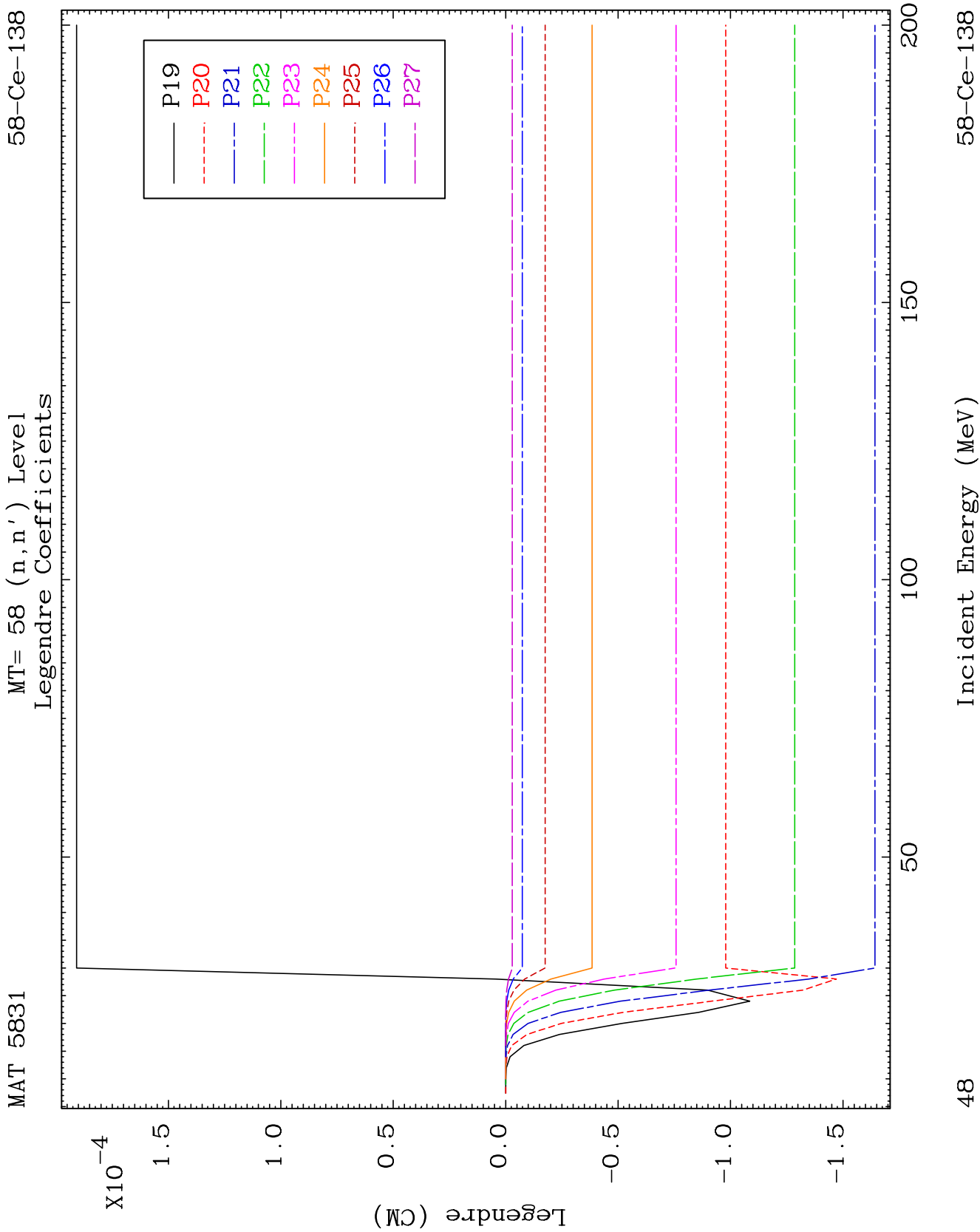


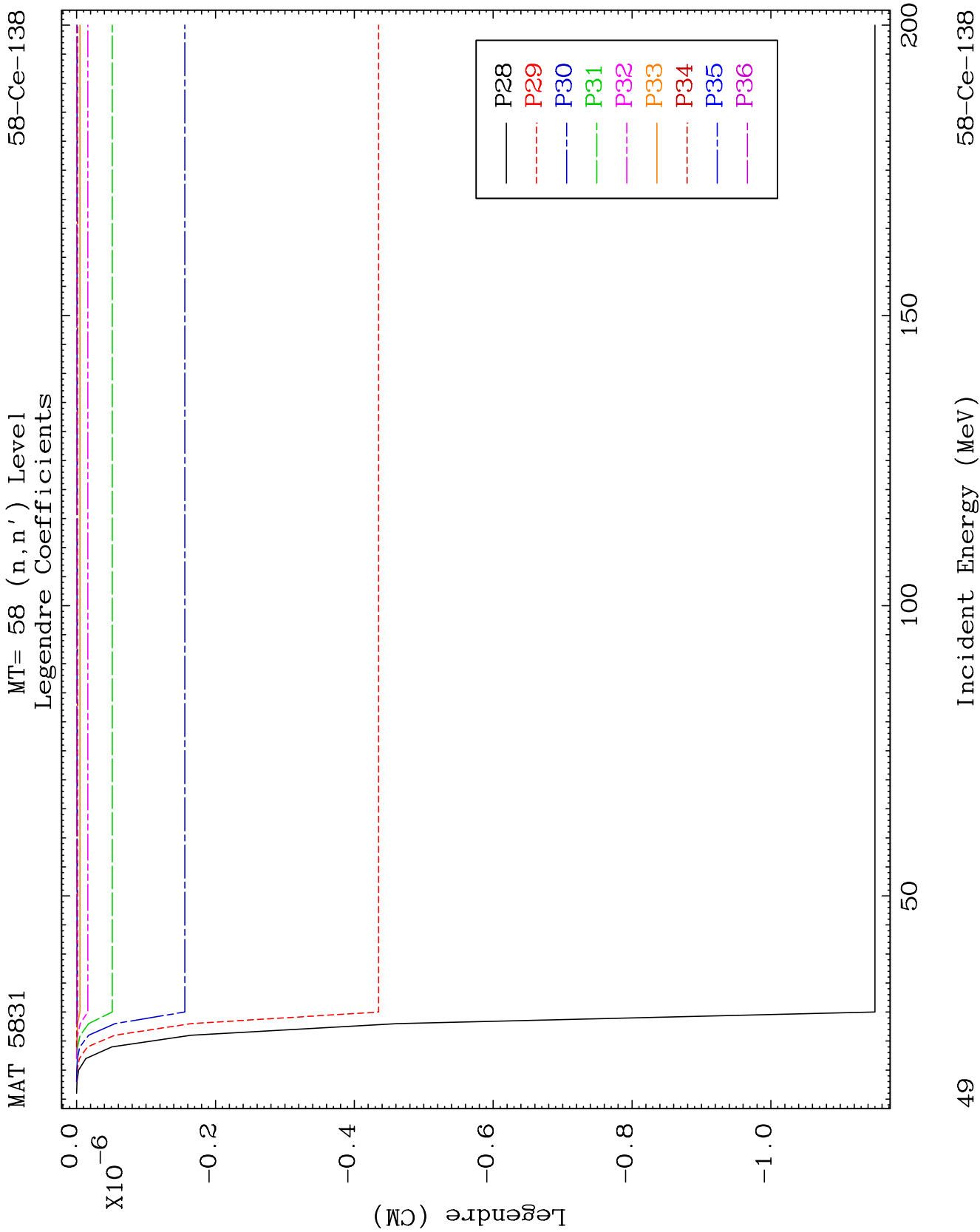
MAT 5831

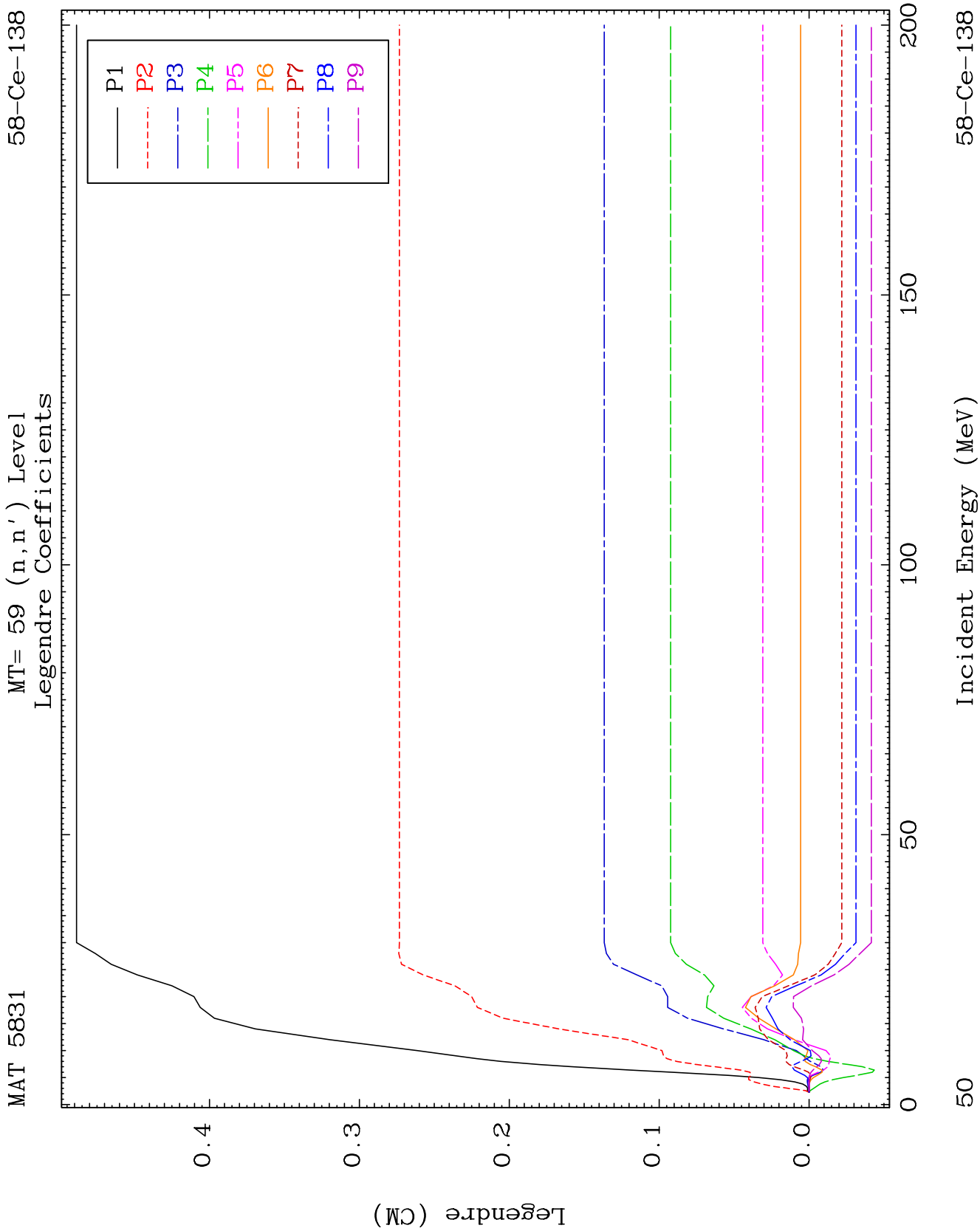
MT= 58 (n, n') Level
Legendre Coefficients

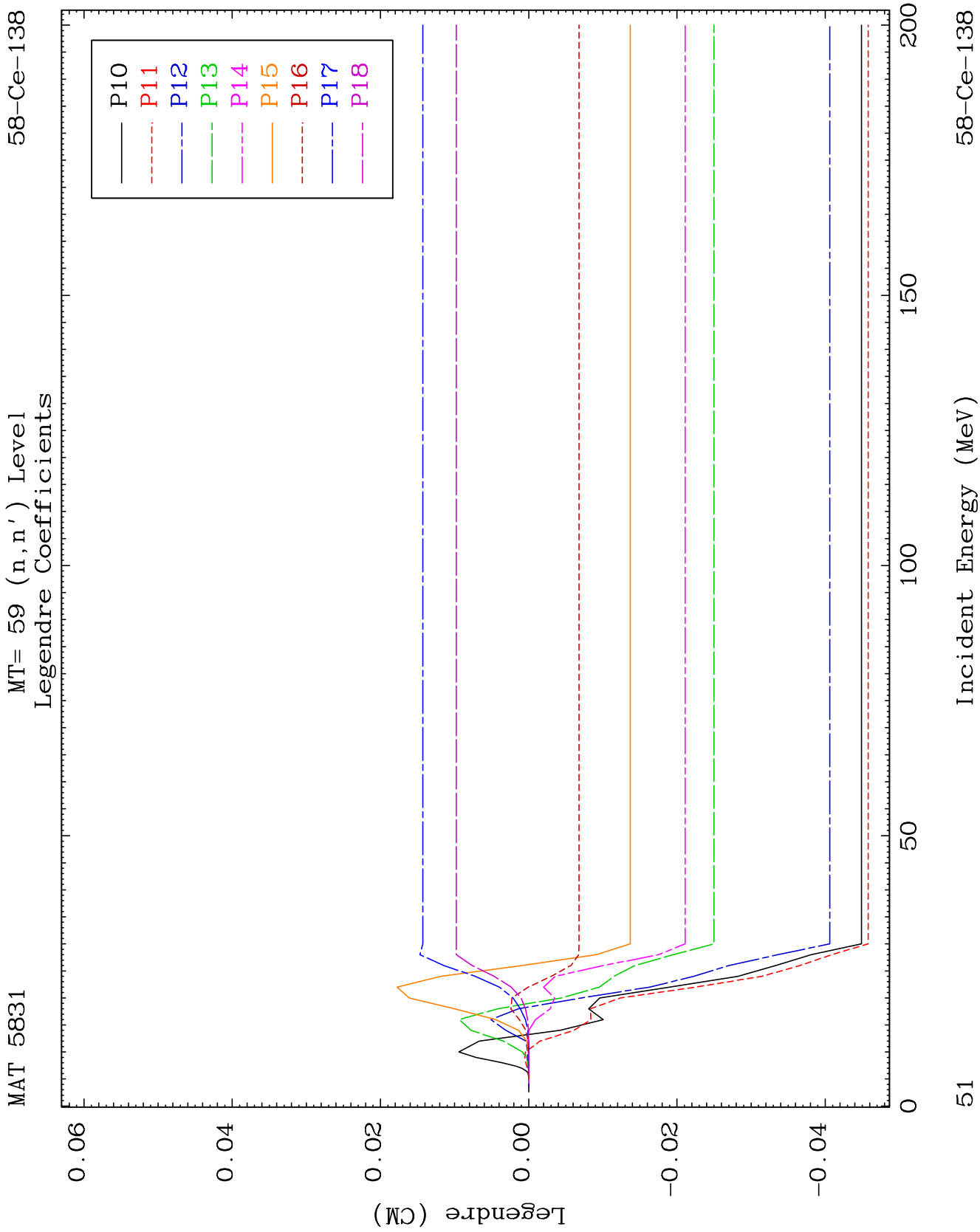
58-Ce-138

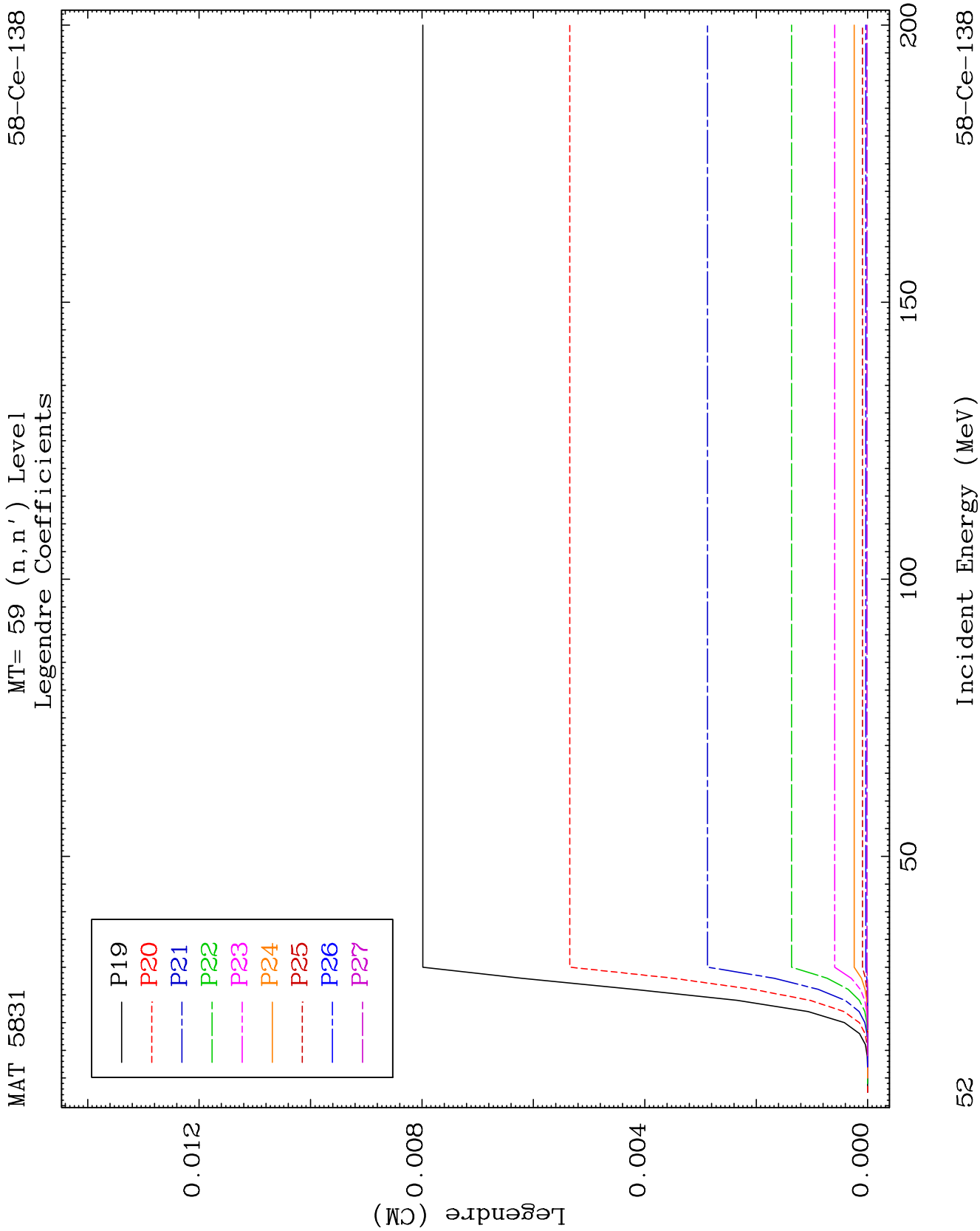


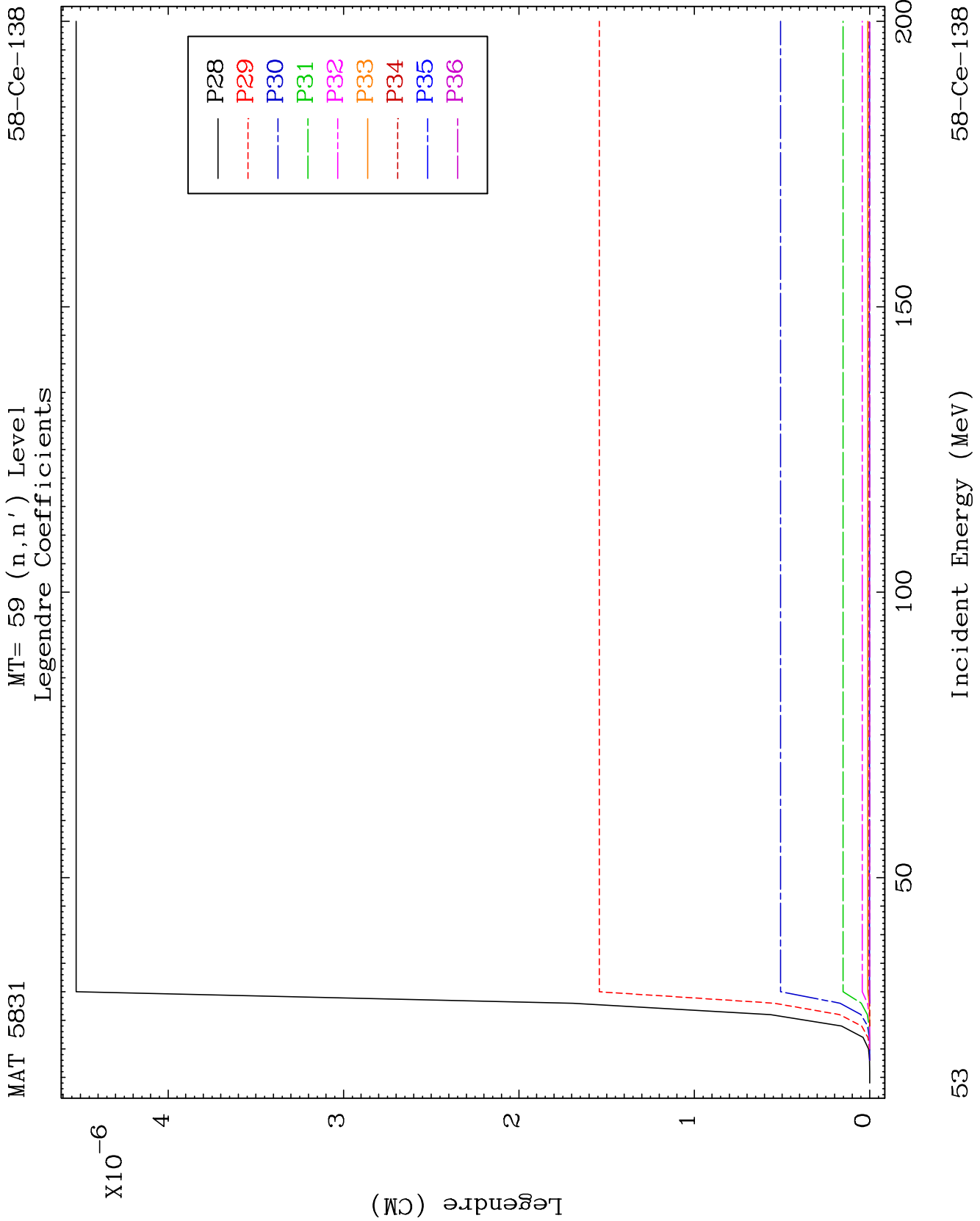


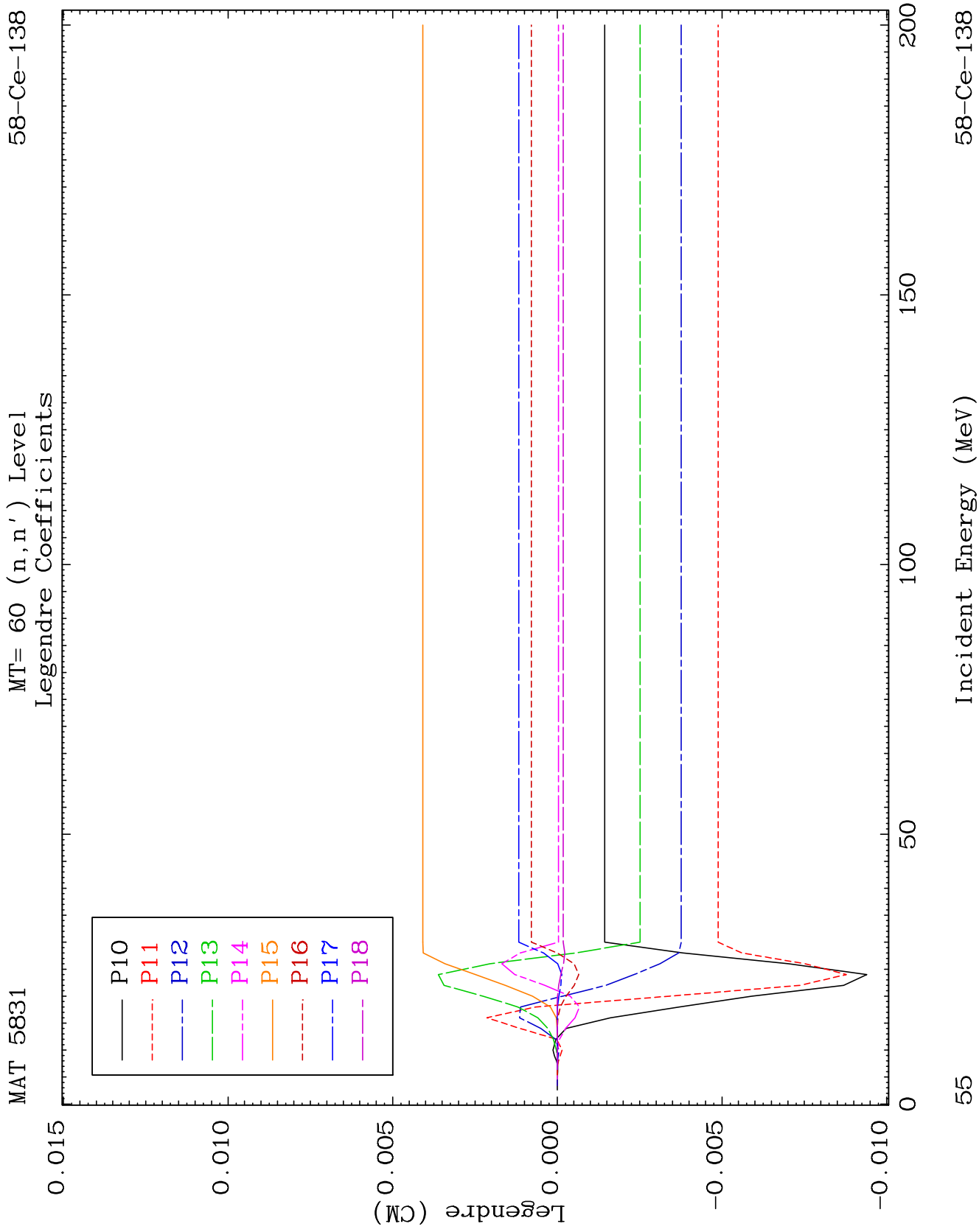


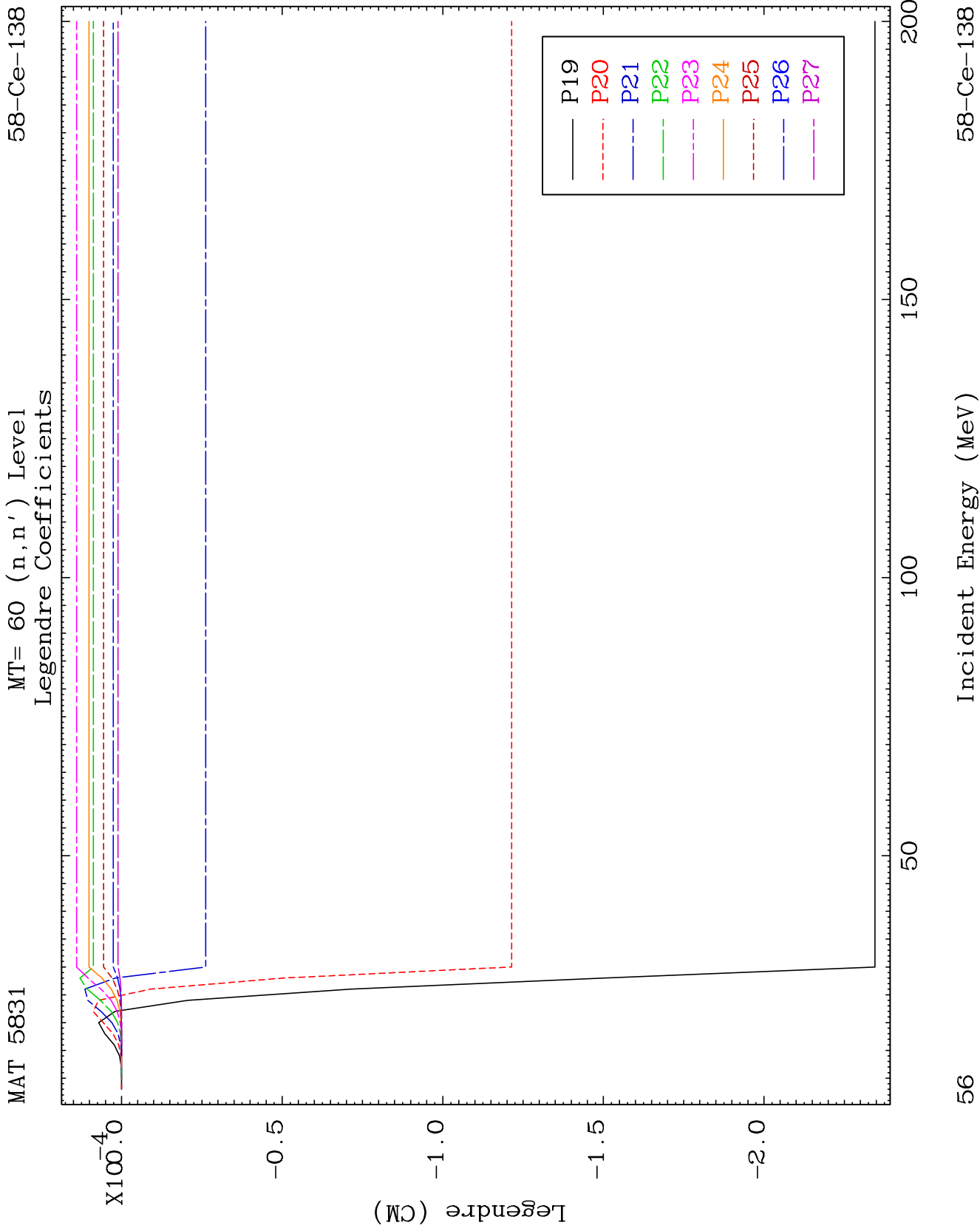


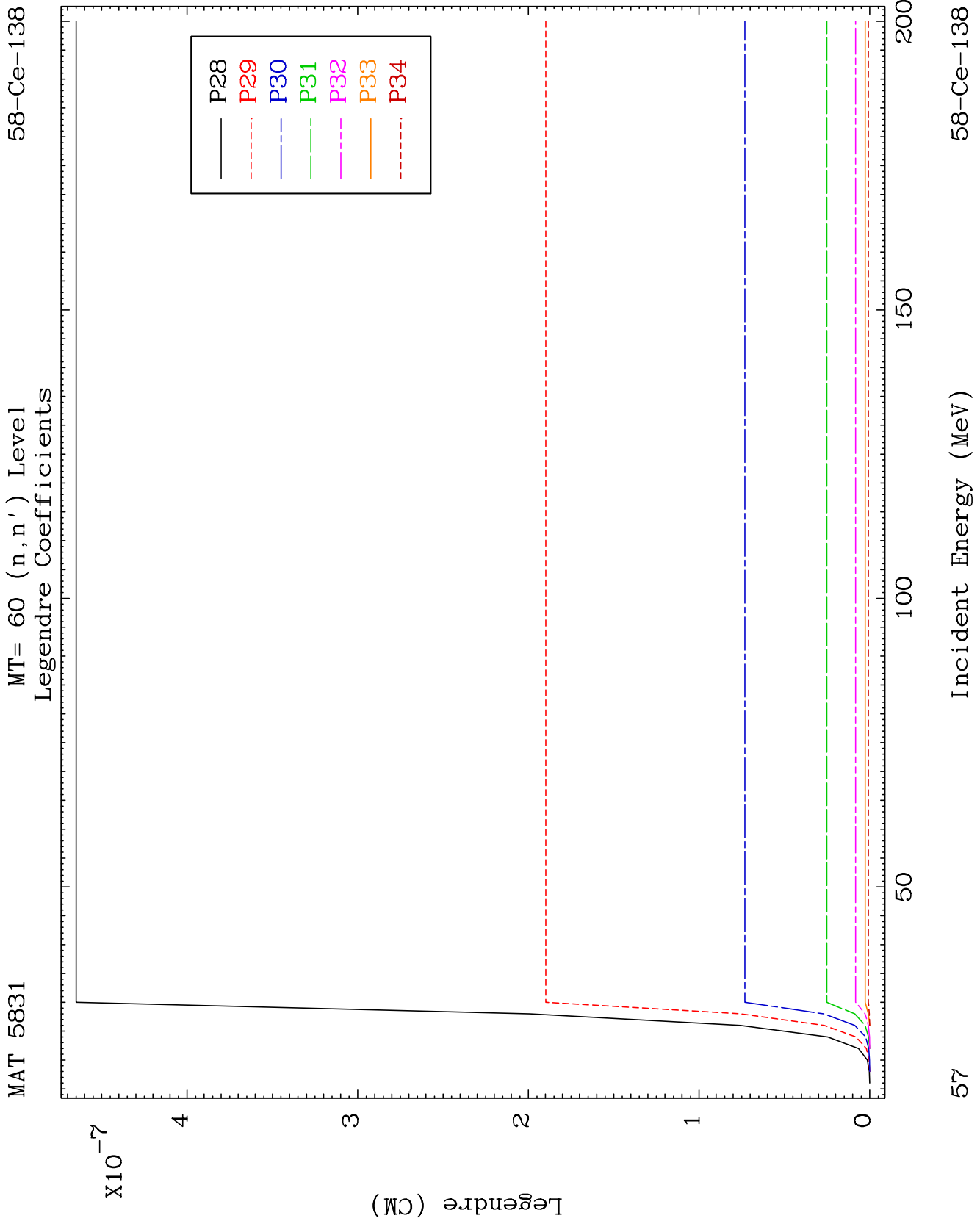


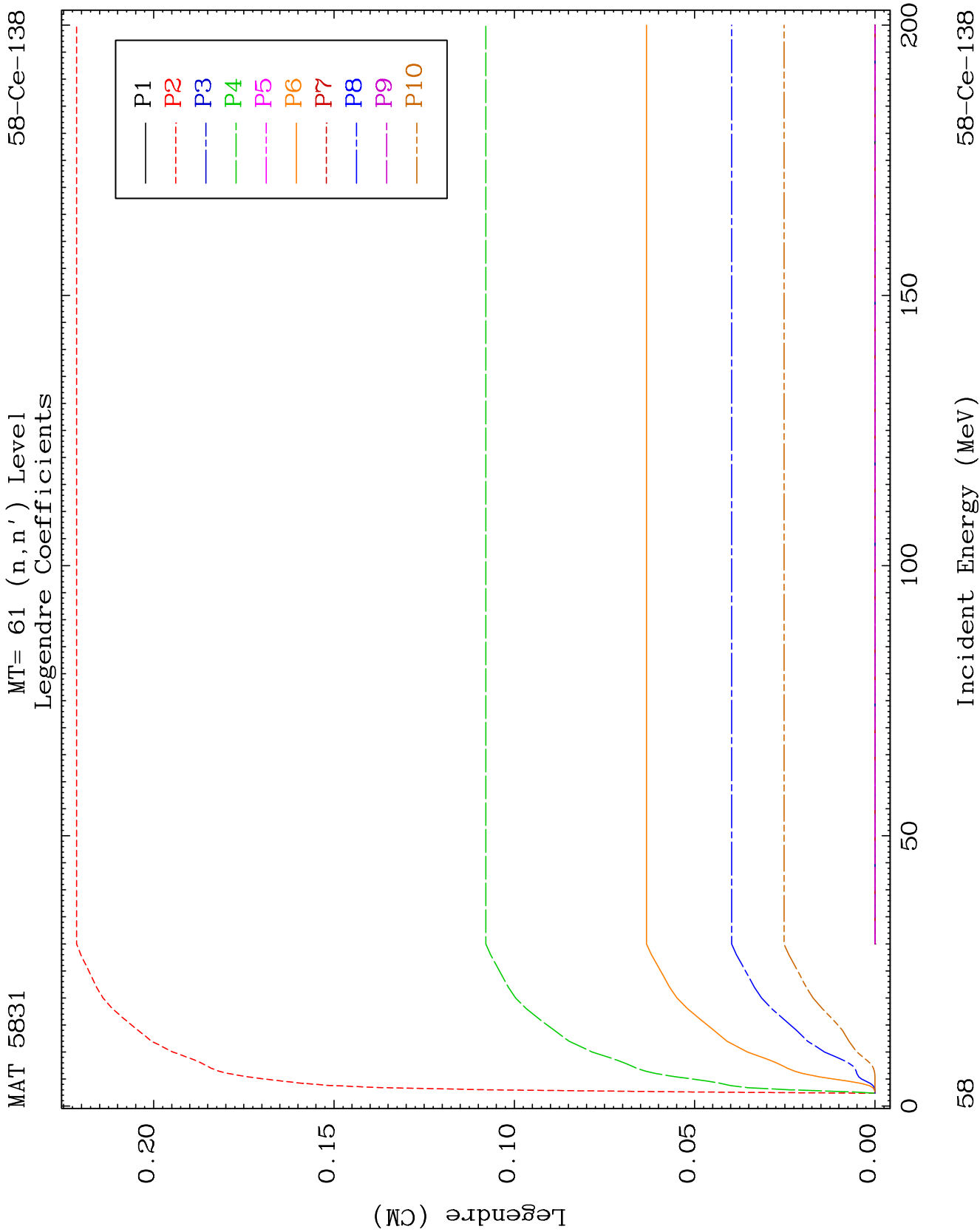










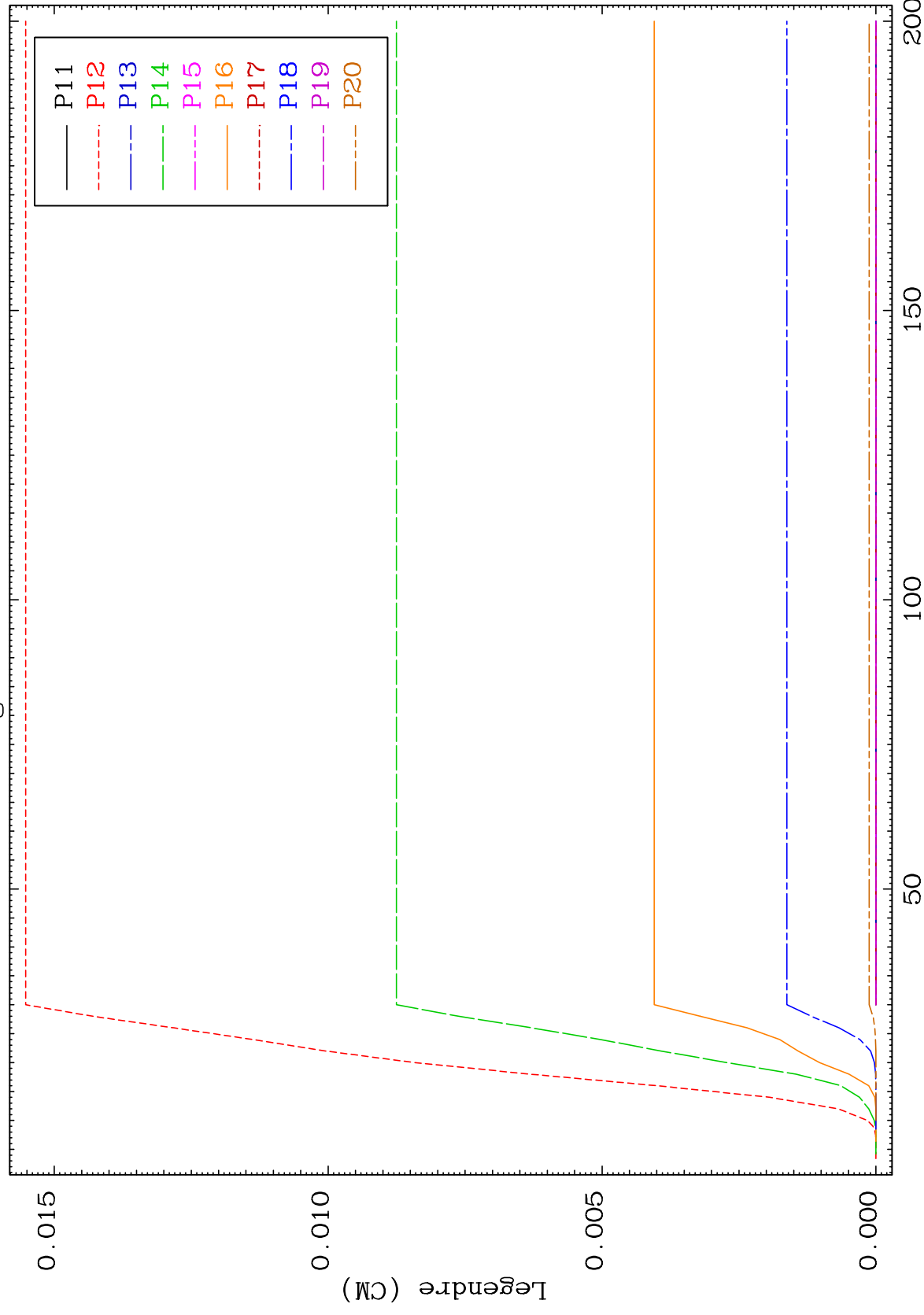


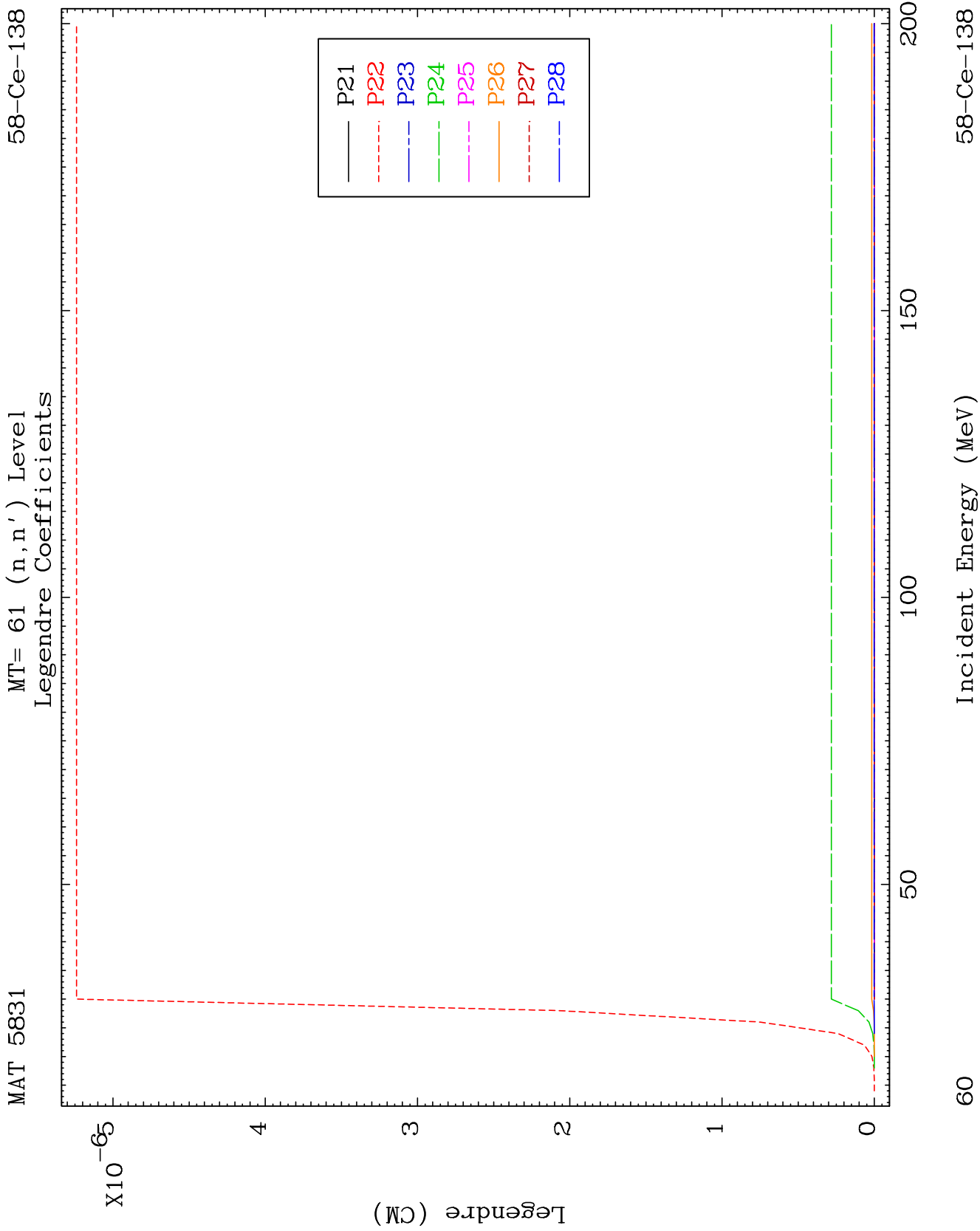
MAT 5831

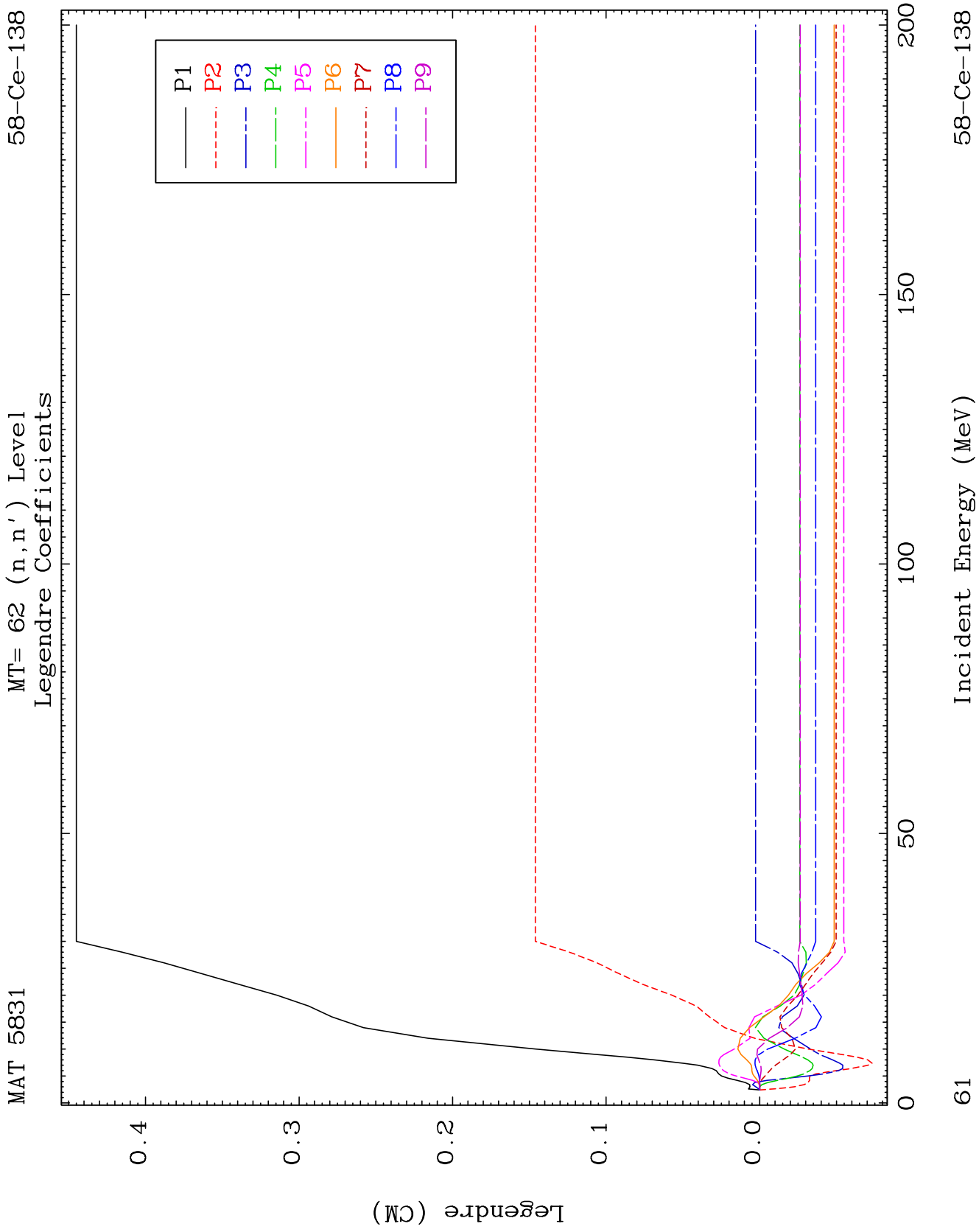
MT= 61 (n, n') Level

58-Ce-138

Legendre Coefficients



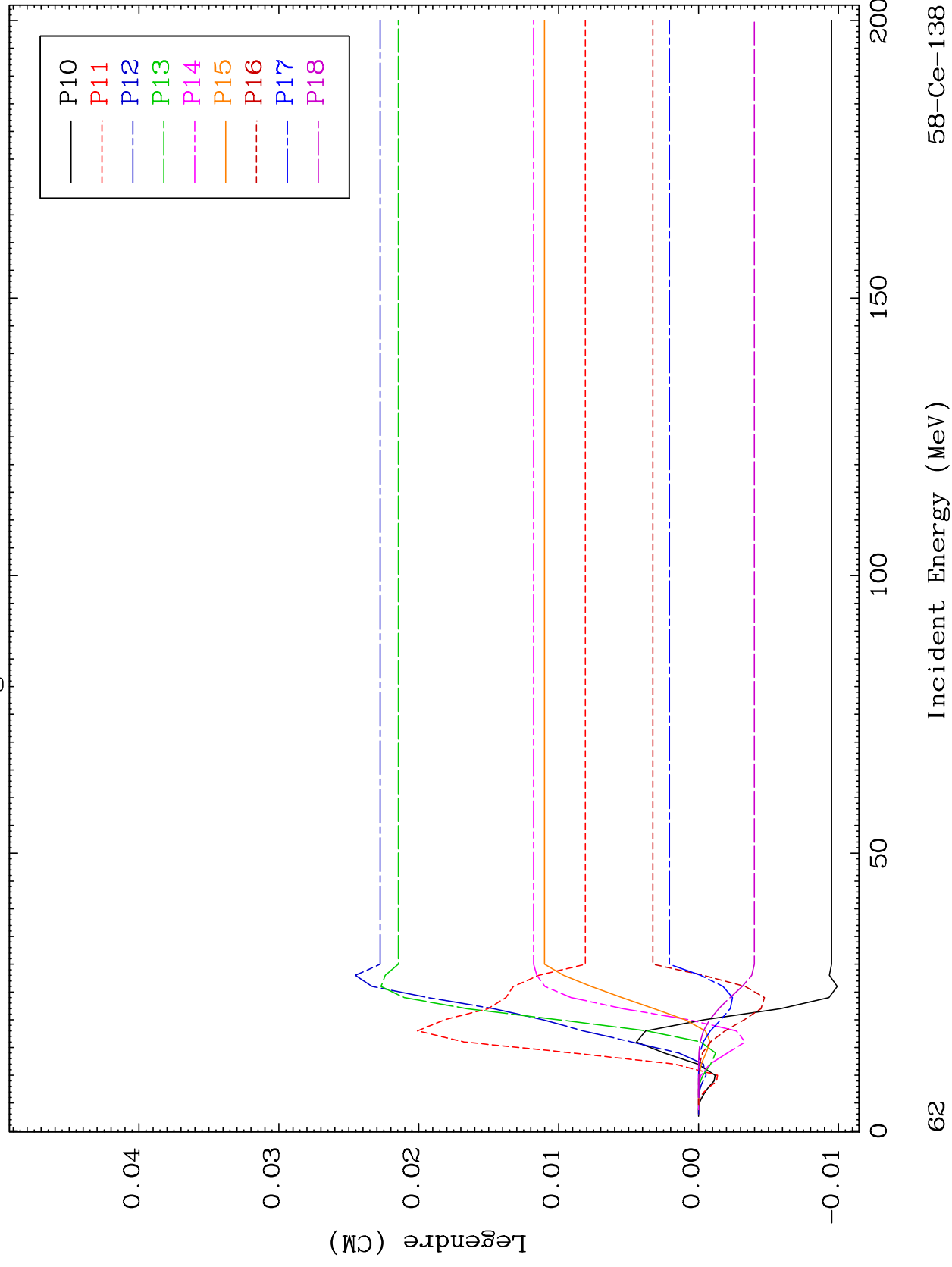


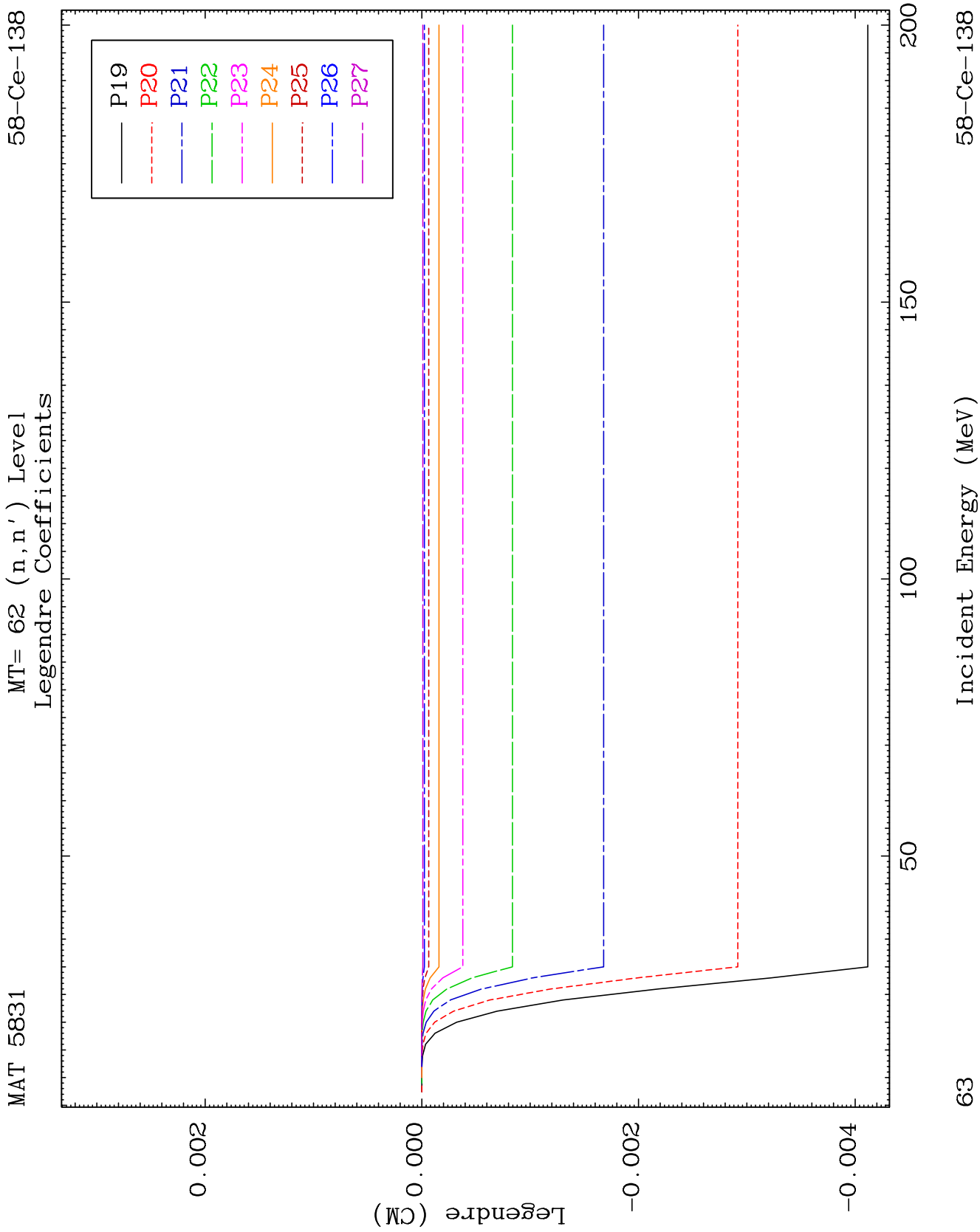


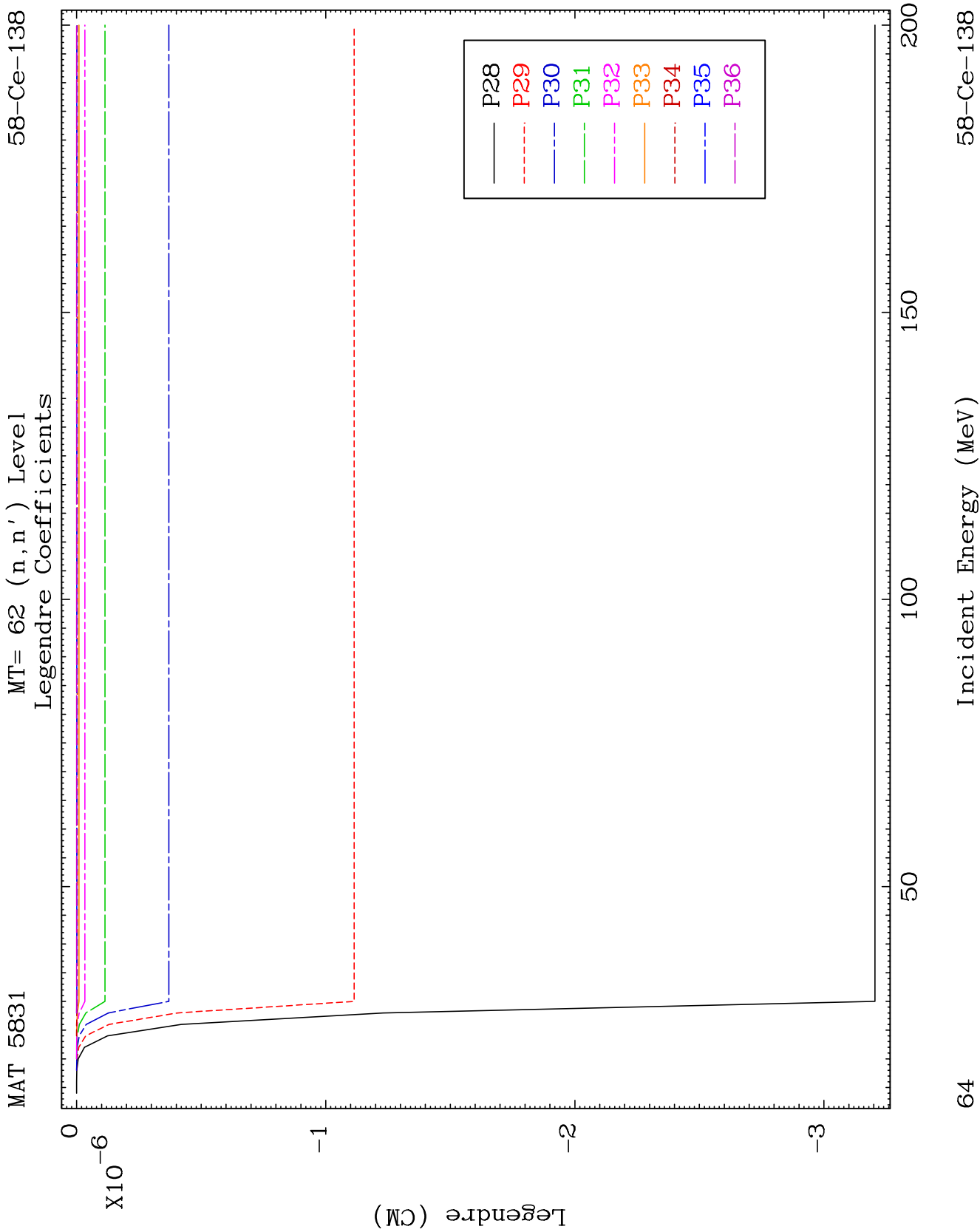
MAT 5831

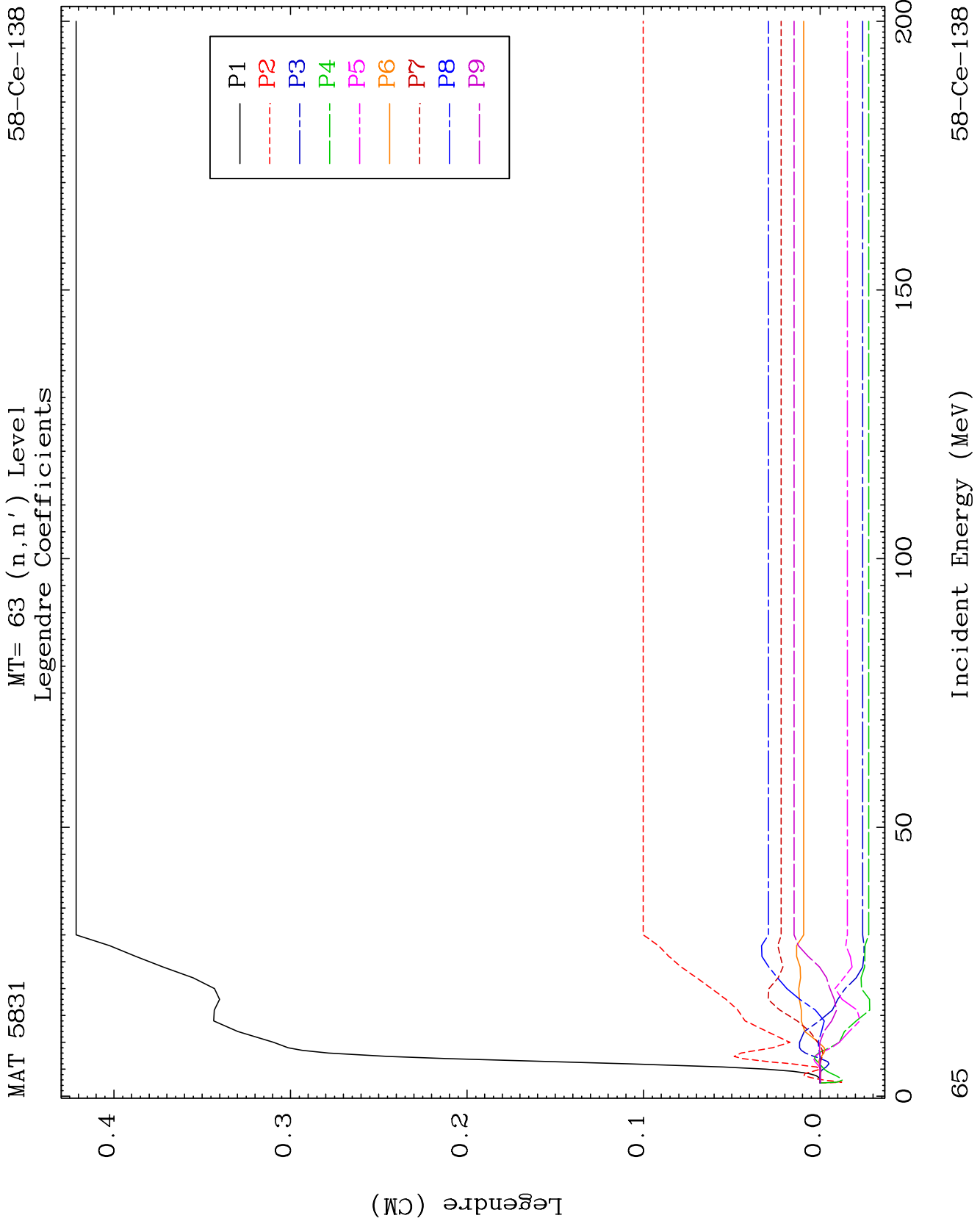
MT= 62 (n, n') Level
Legendre Coefficients

58-Ce-138





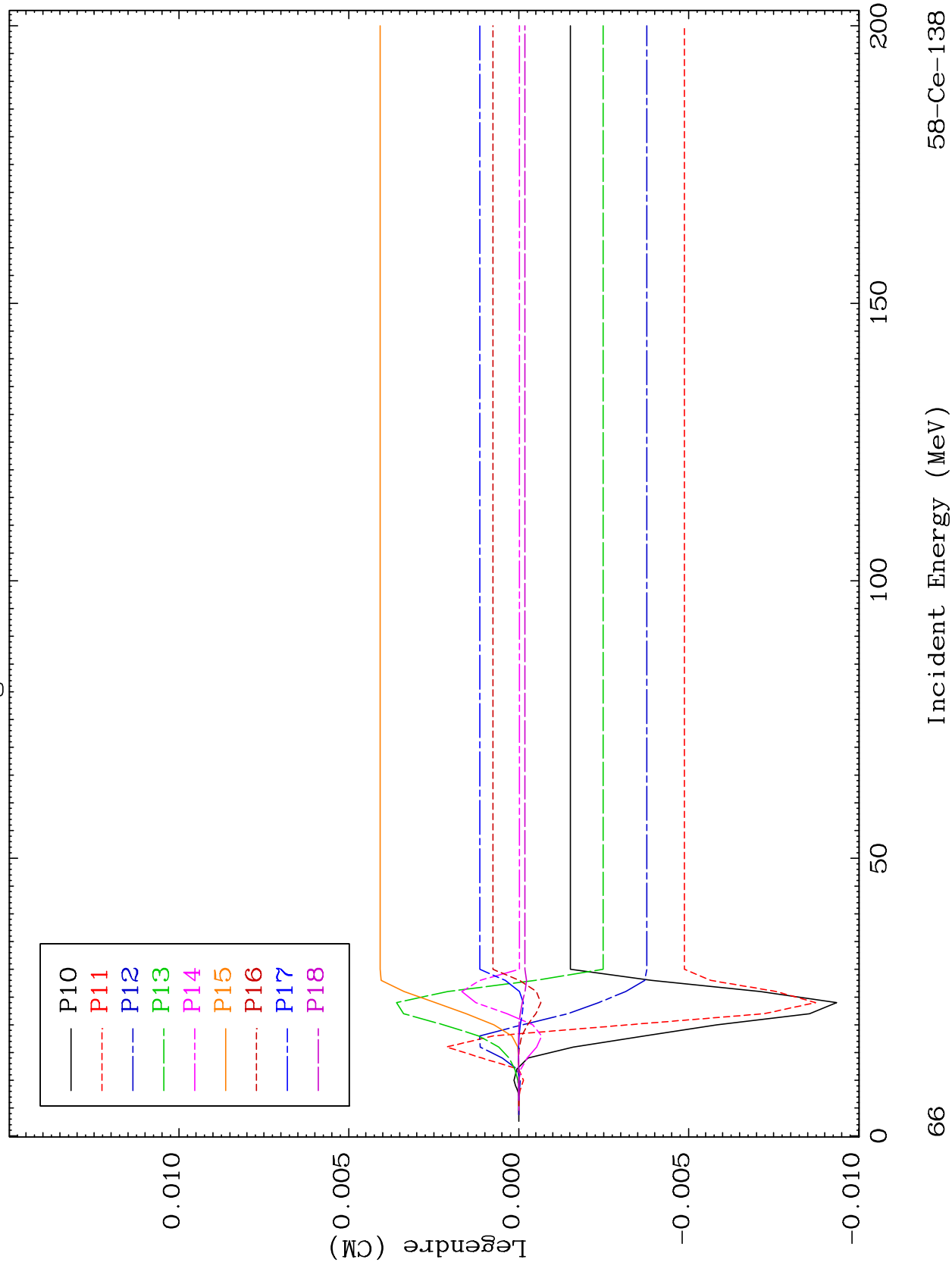




MAT 5831

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

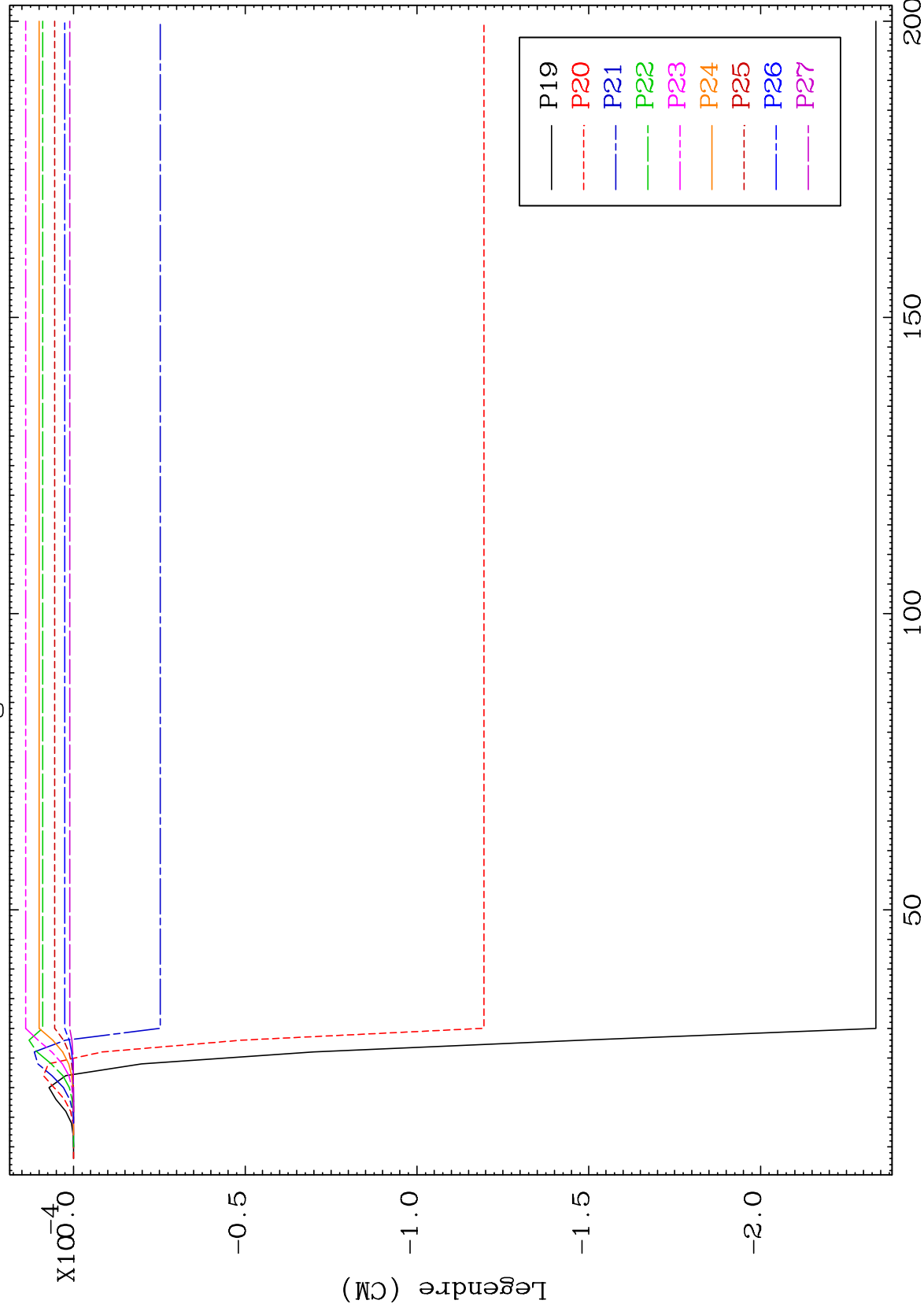
58-Ce-138



MAT 5831

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

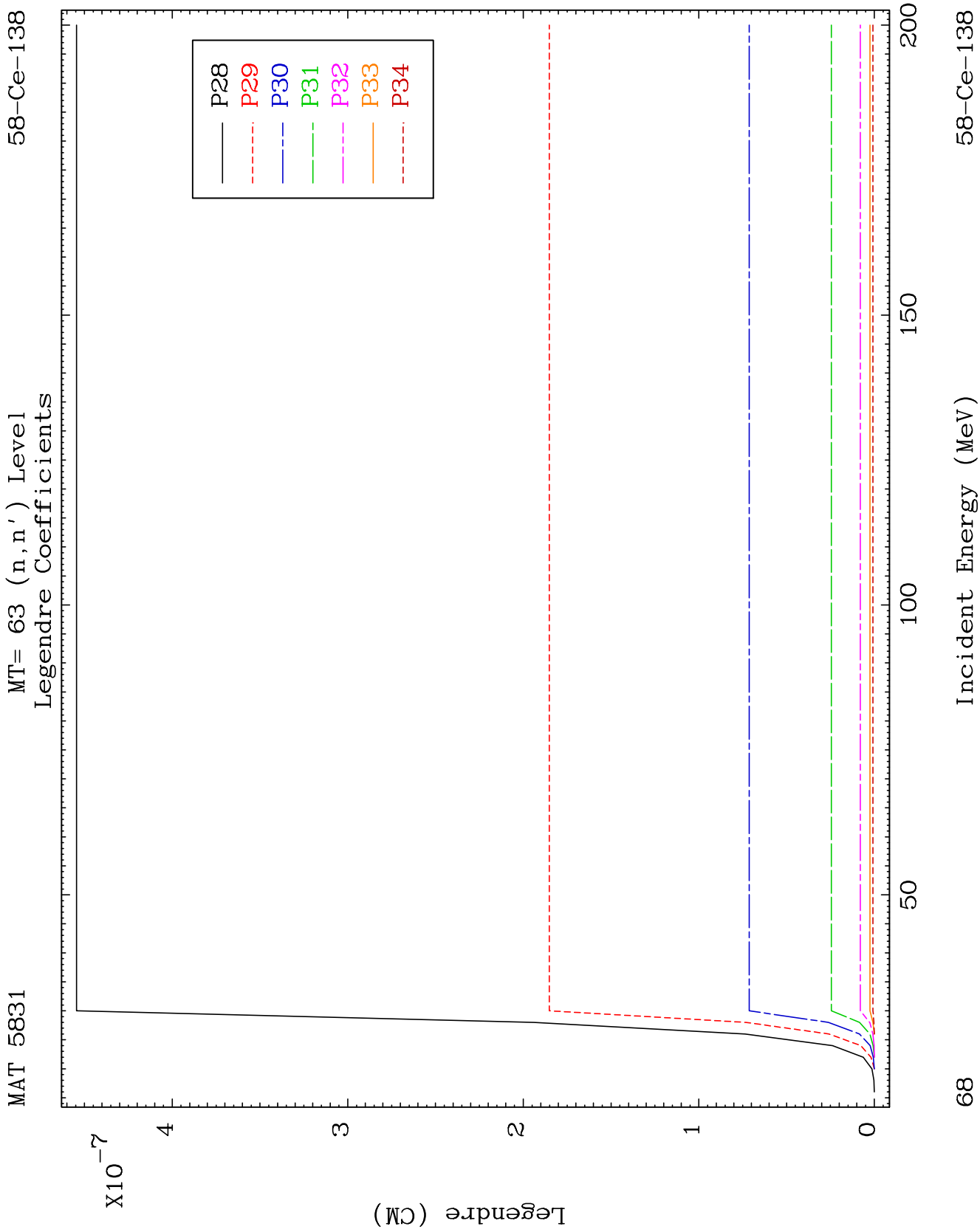
58-Ce-138

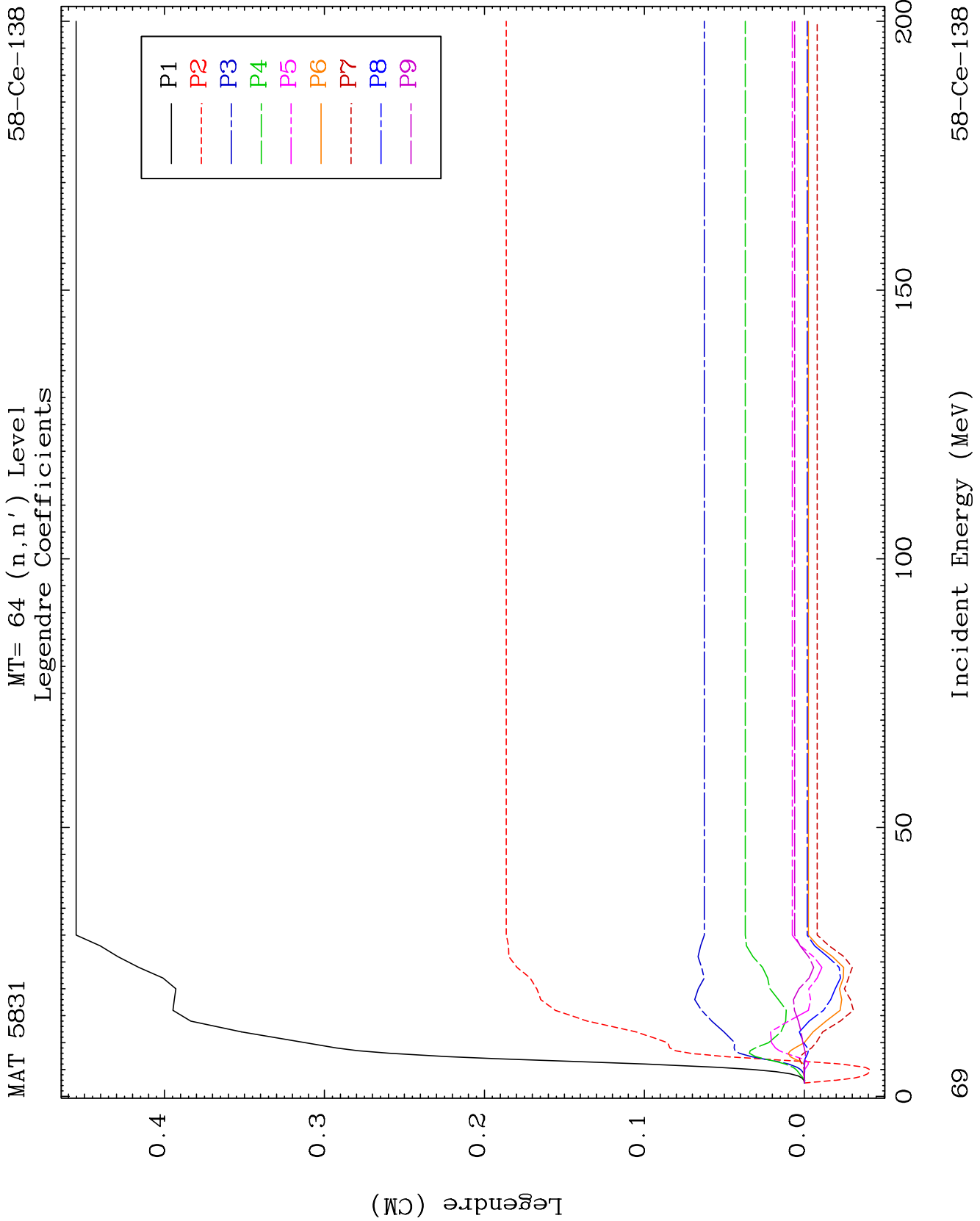


29

Incident Energy (MeV)

58-Ce-138

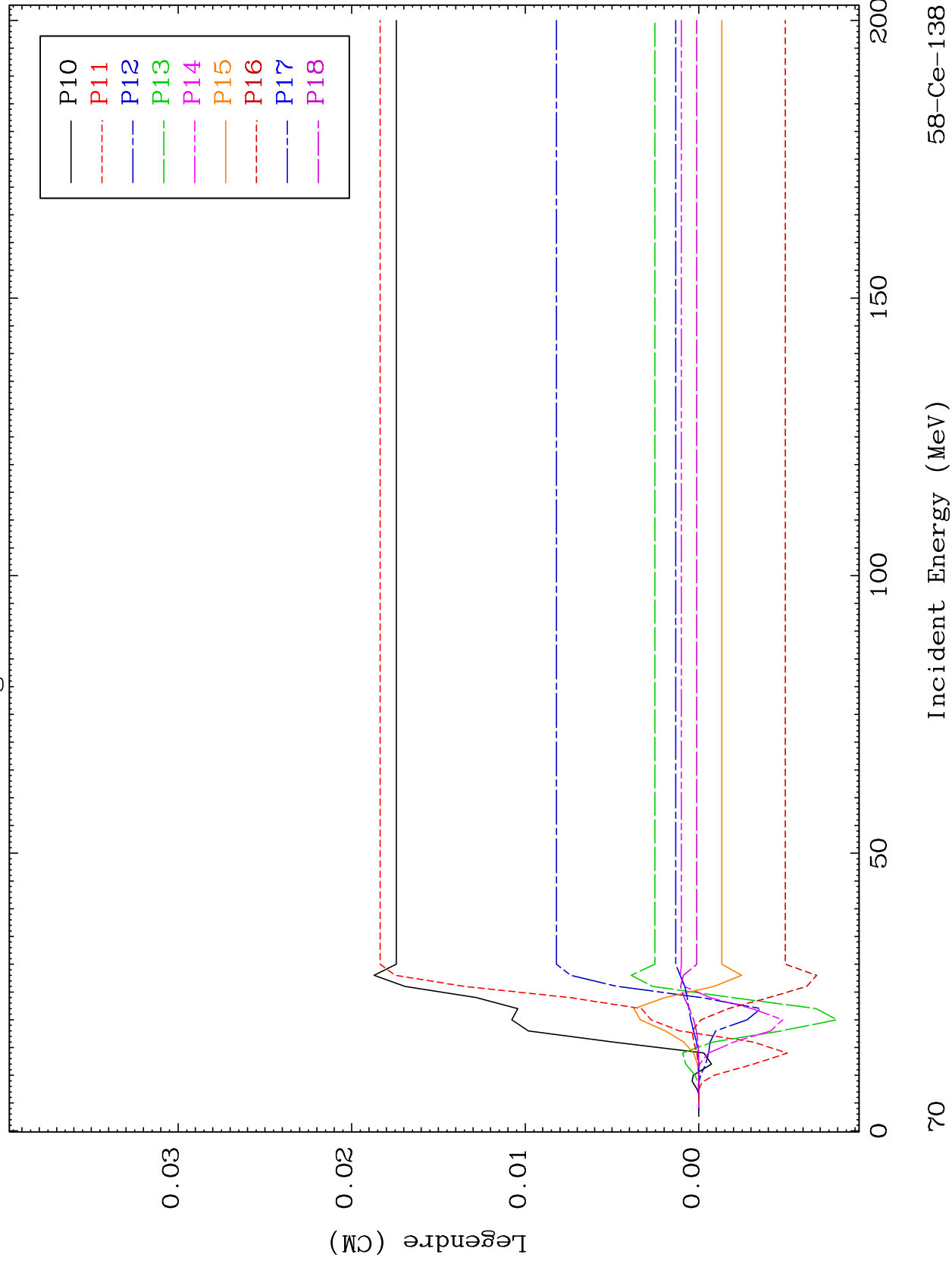




MAT 5831

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

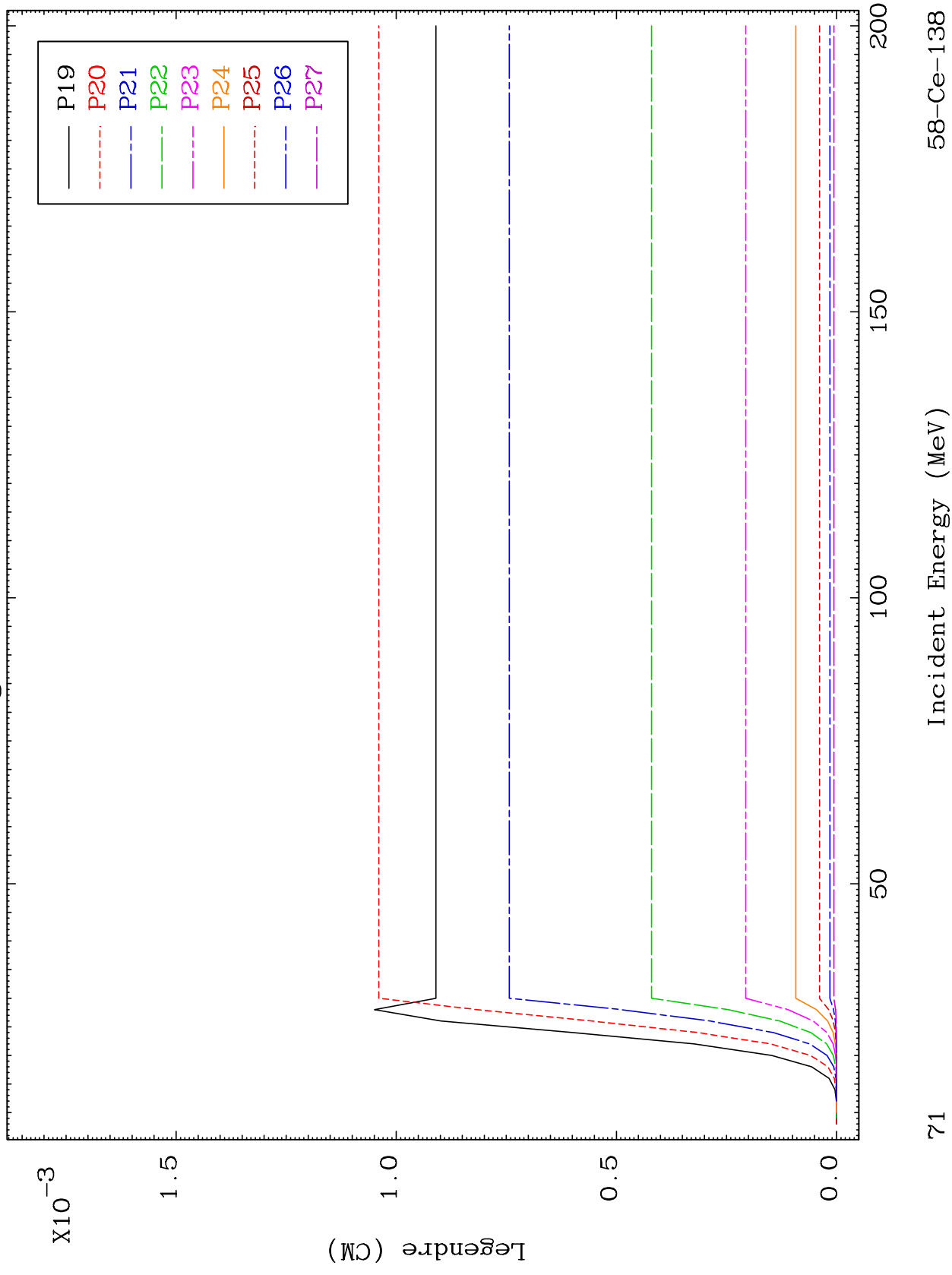
58-Ce-138

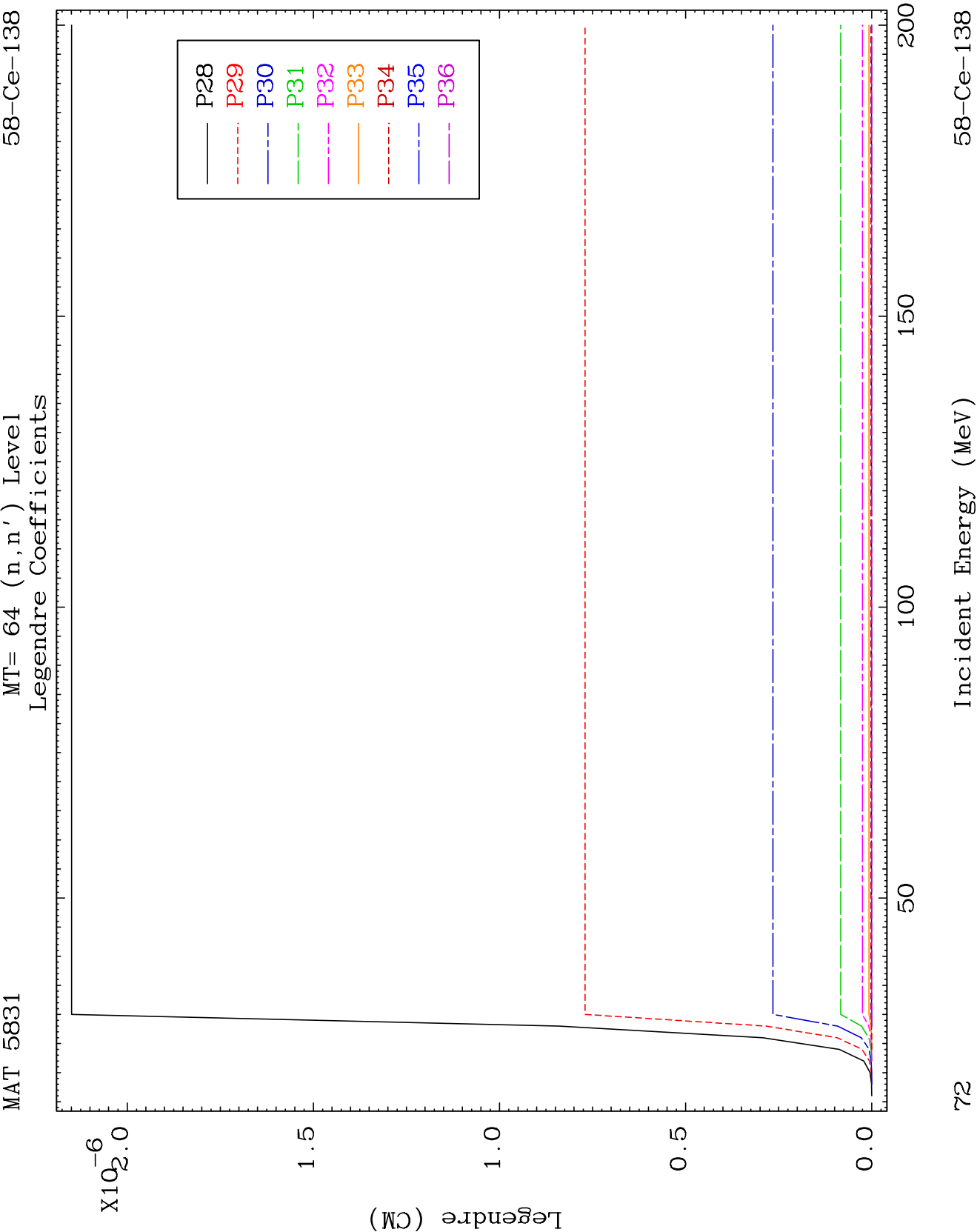


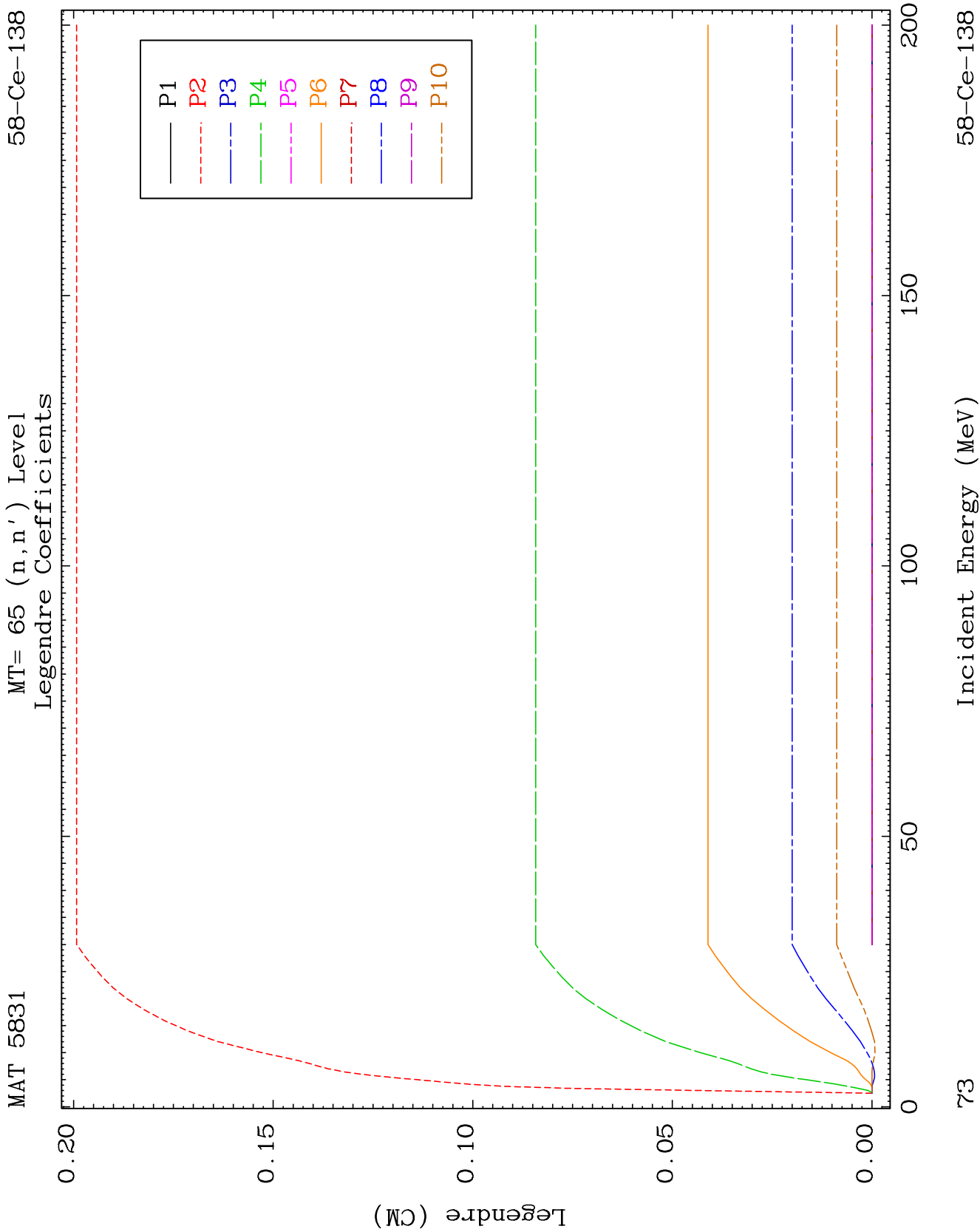
MAT 5831

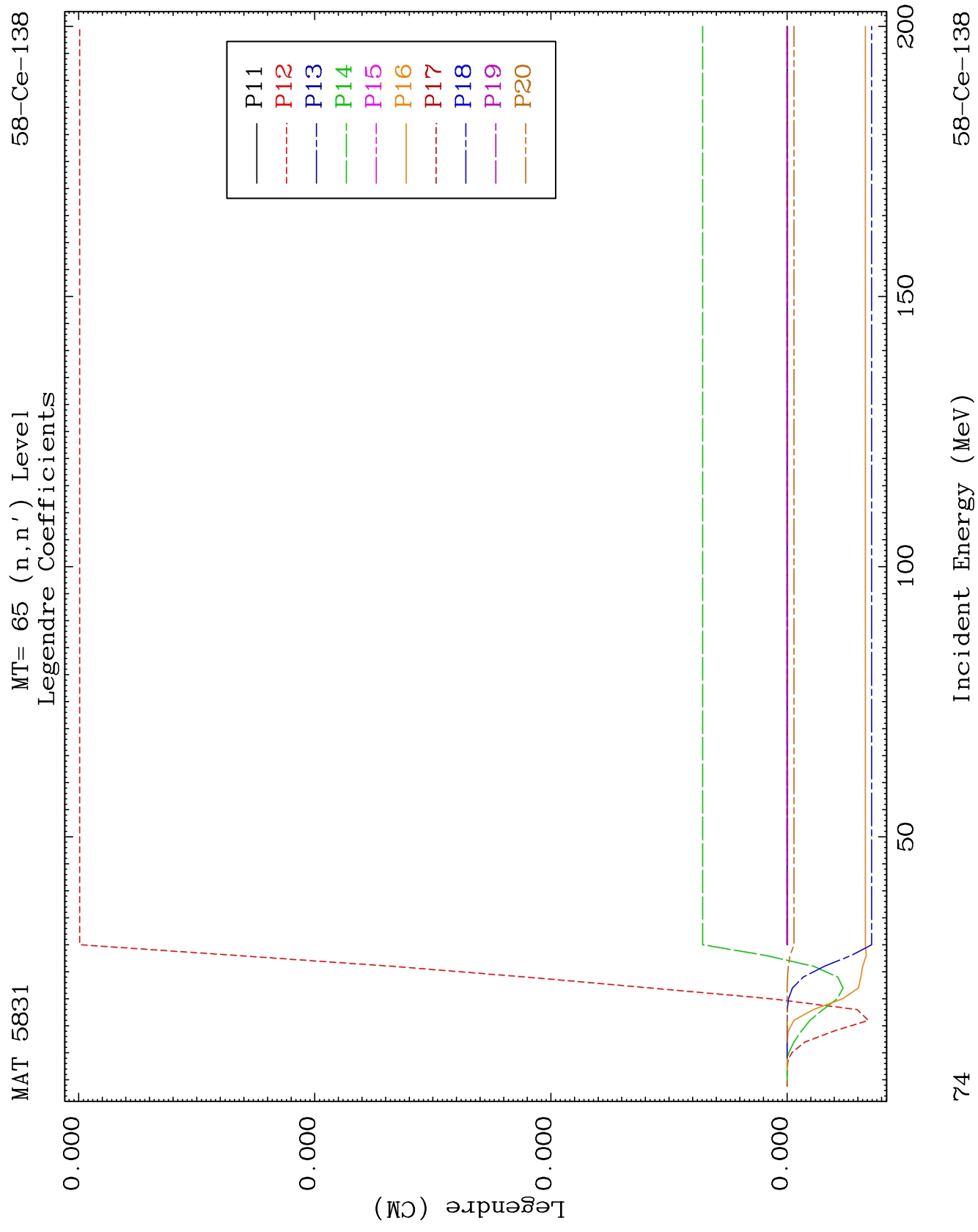
MT= 64 (n, n') Level
Legendre Coefficients

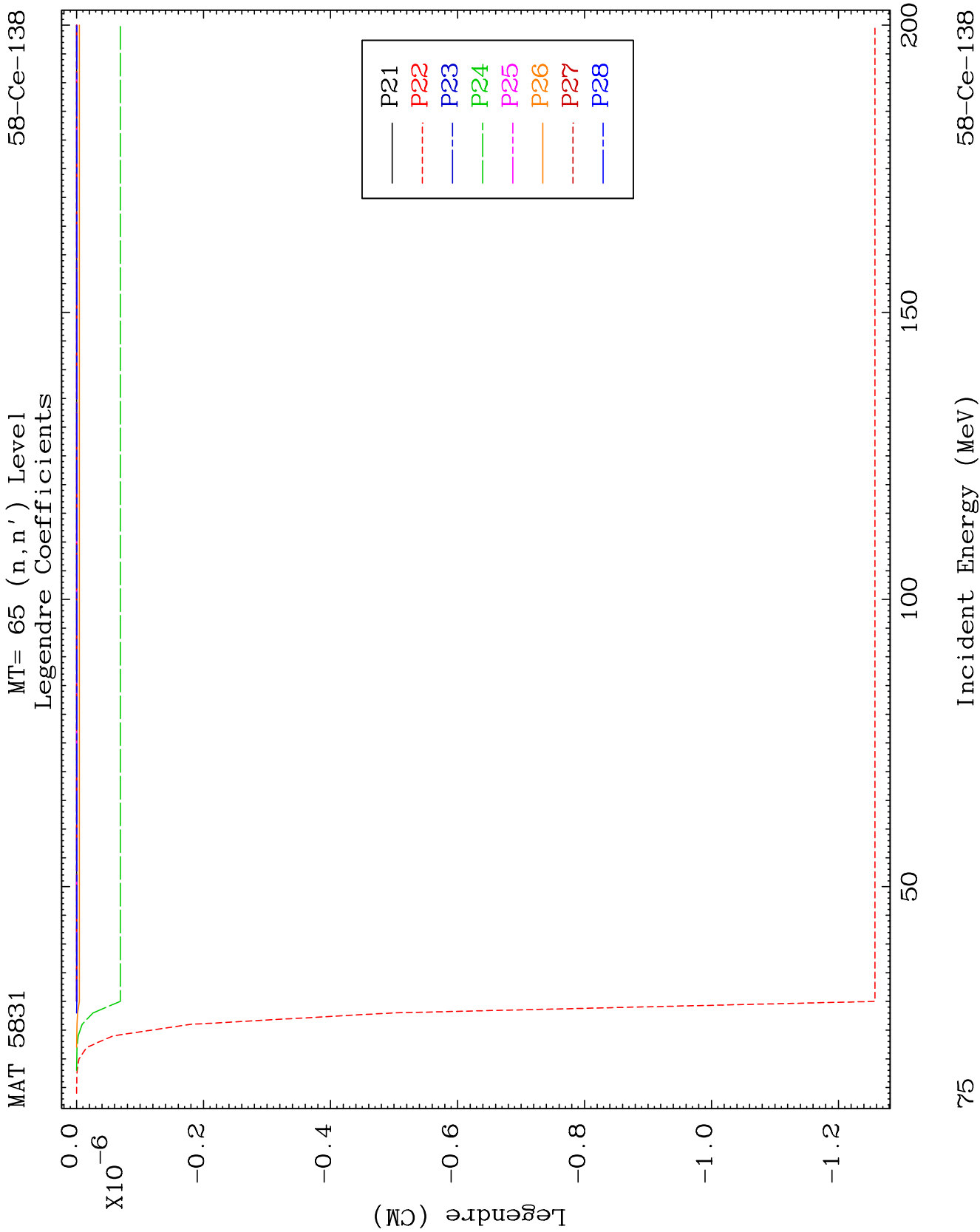
58-Ce-138

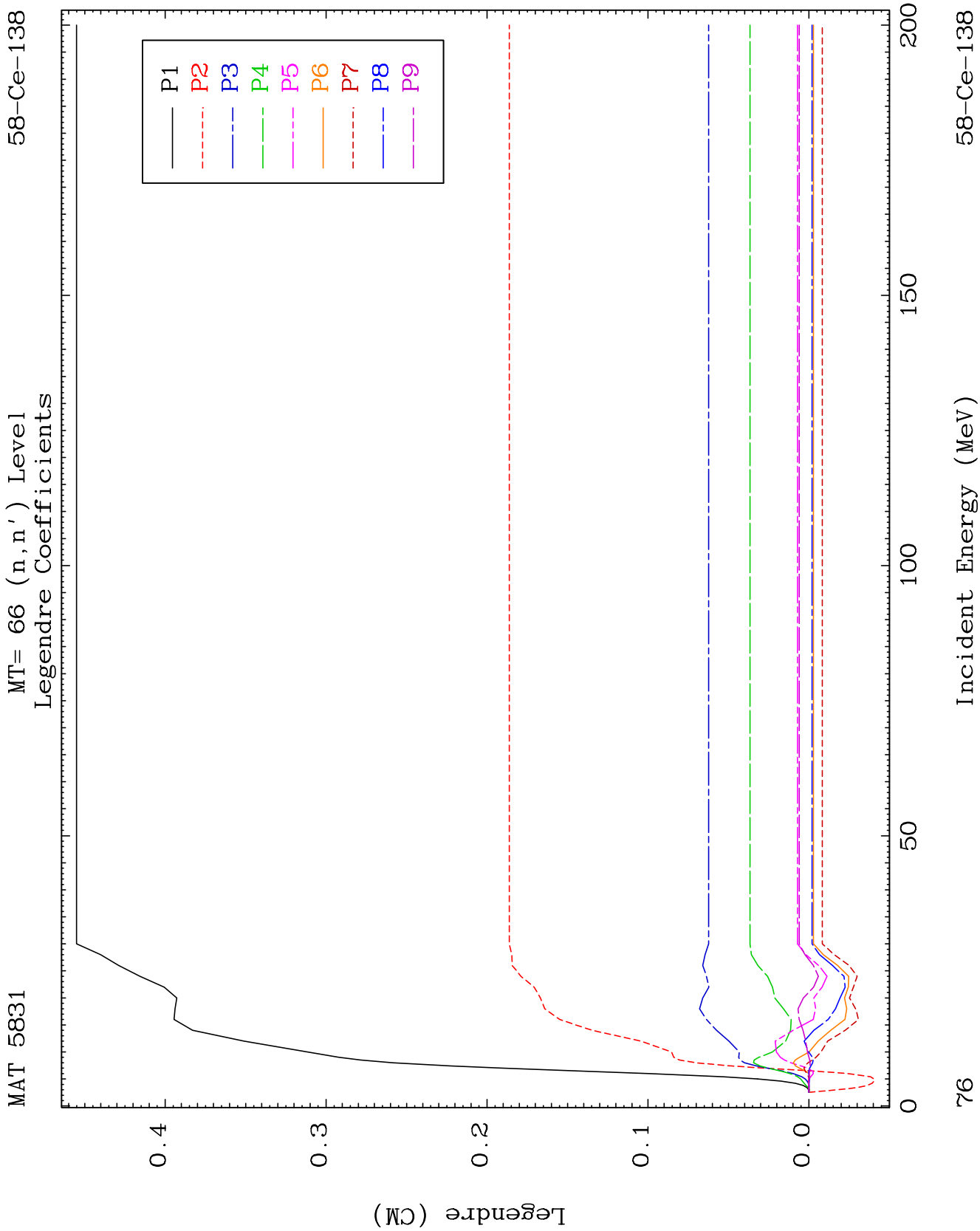


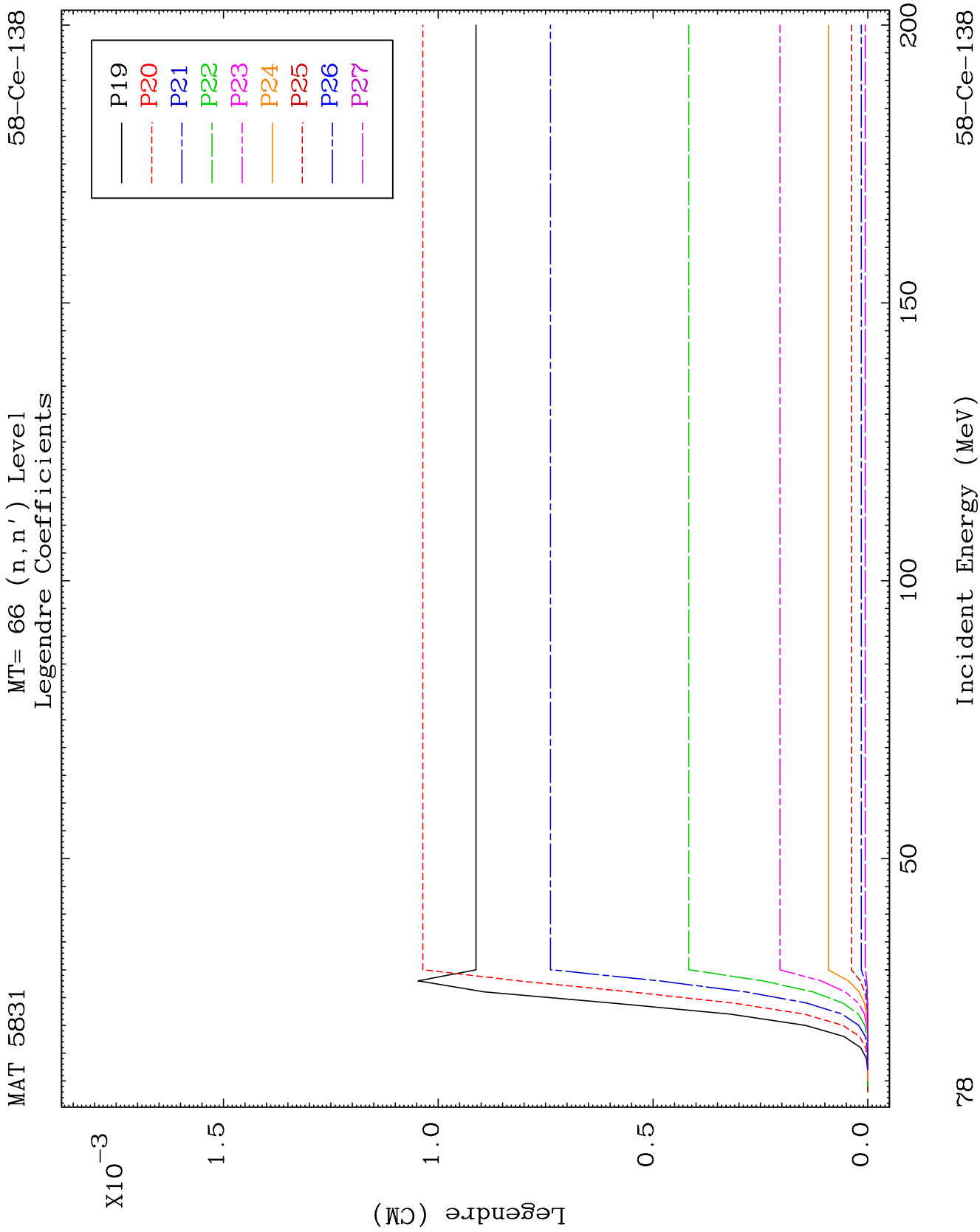


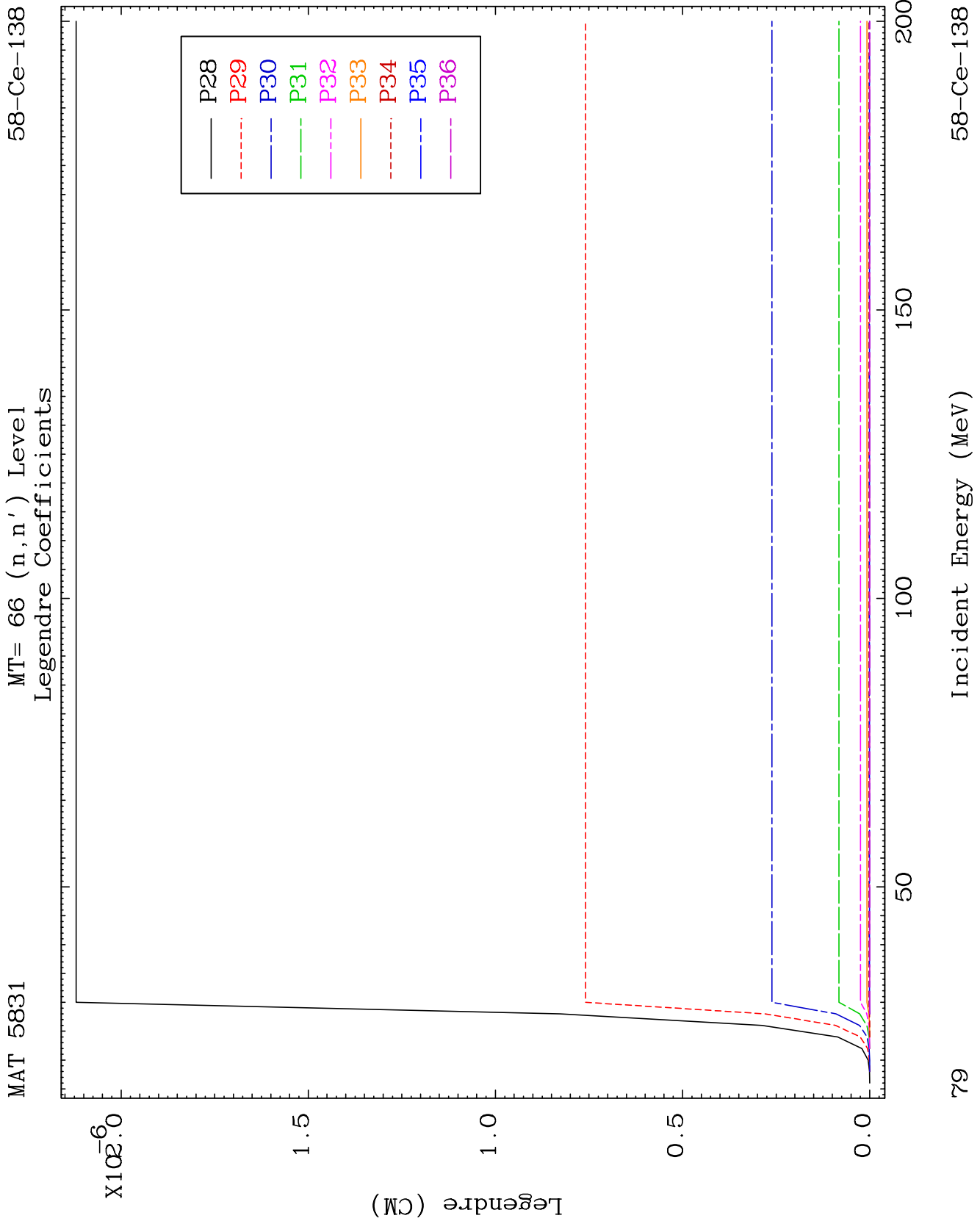








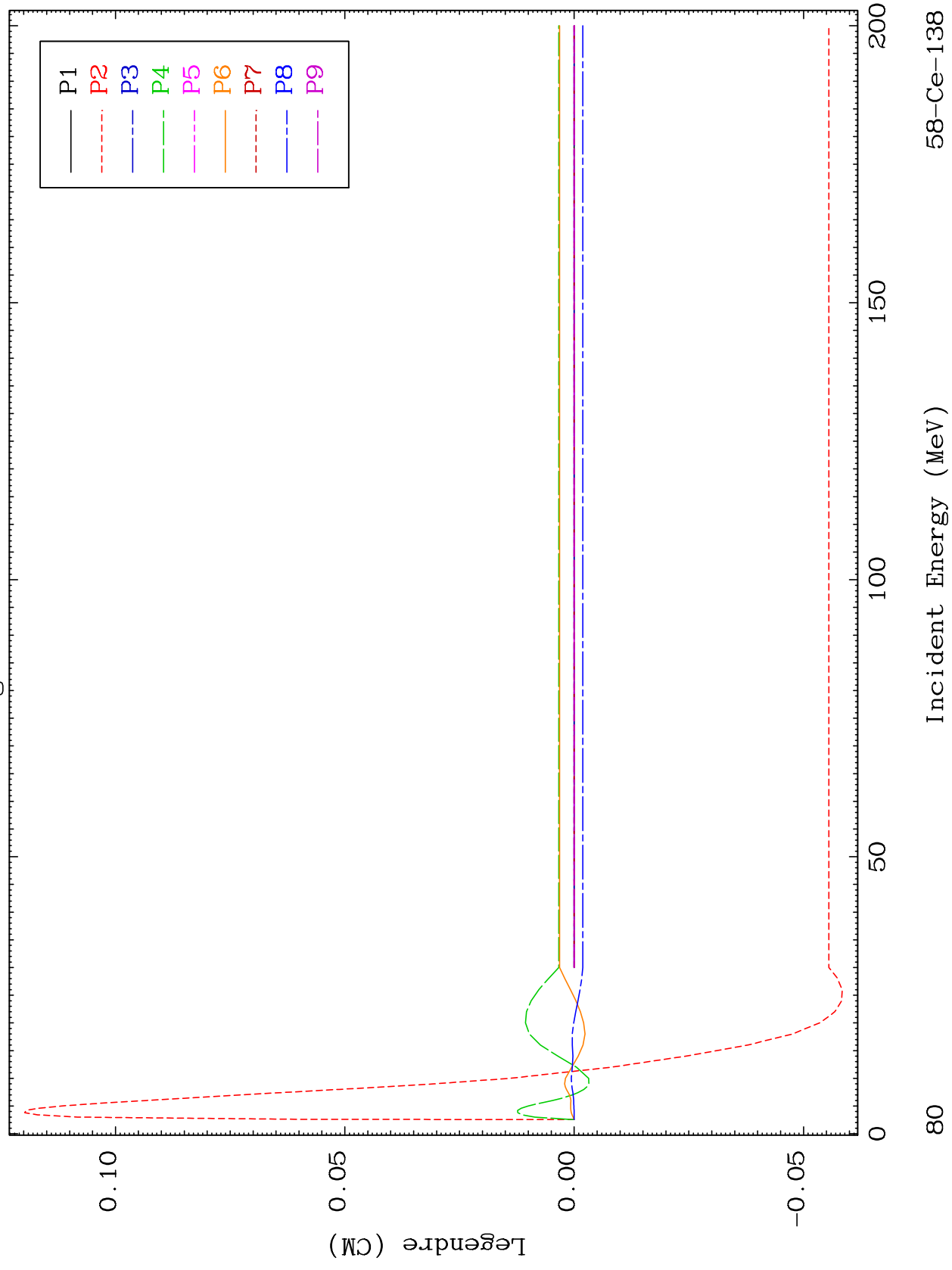


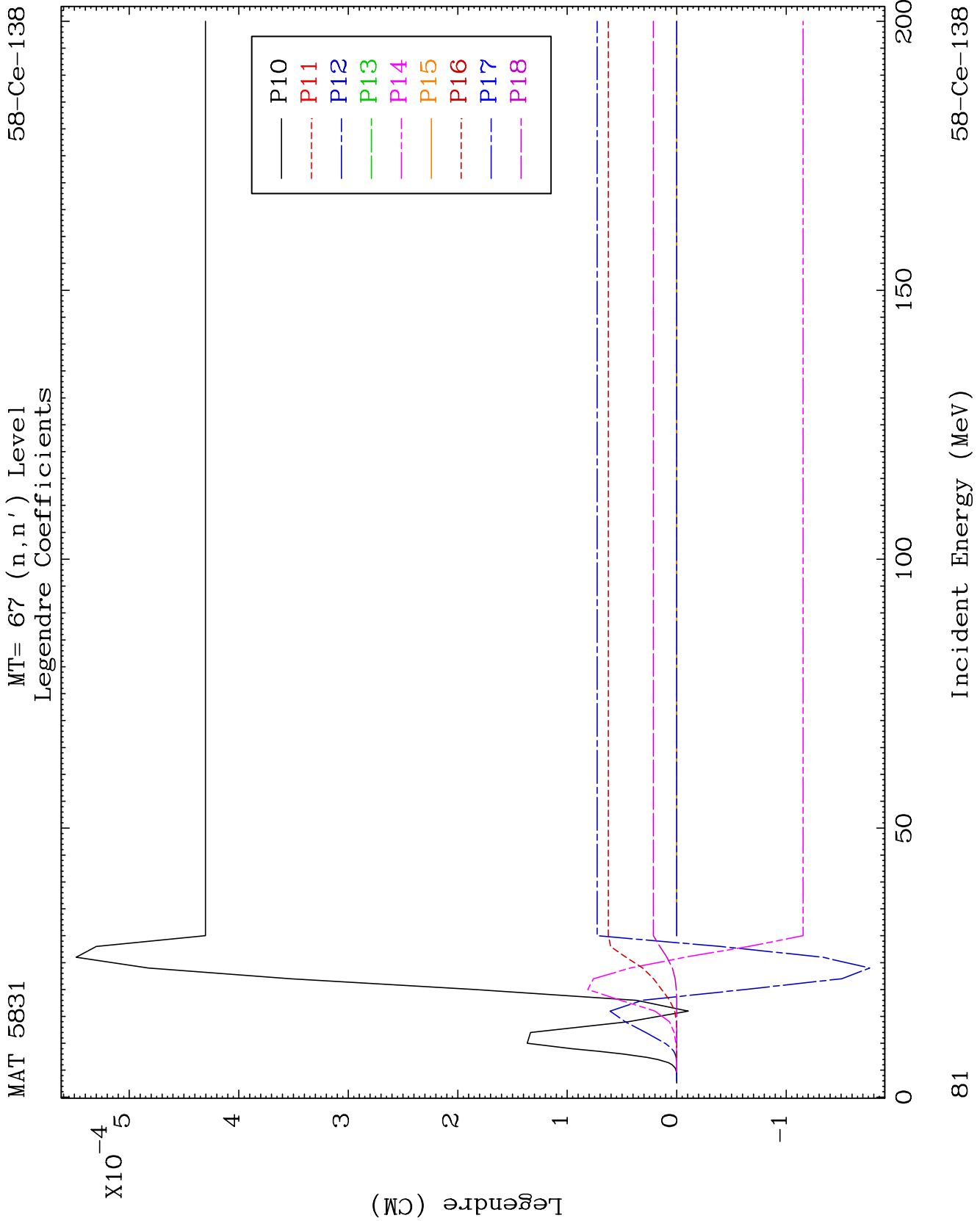


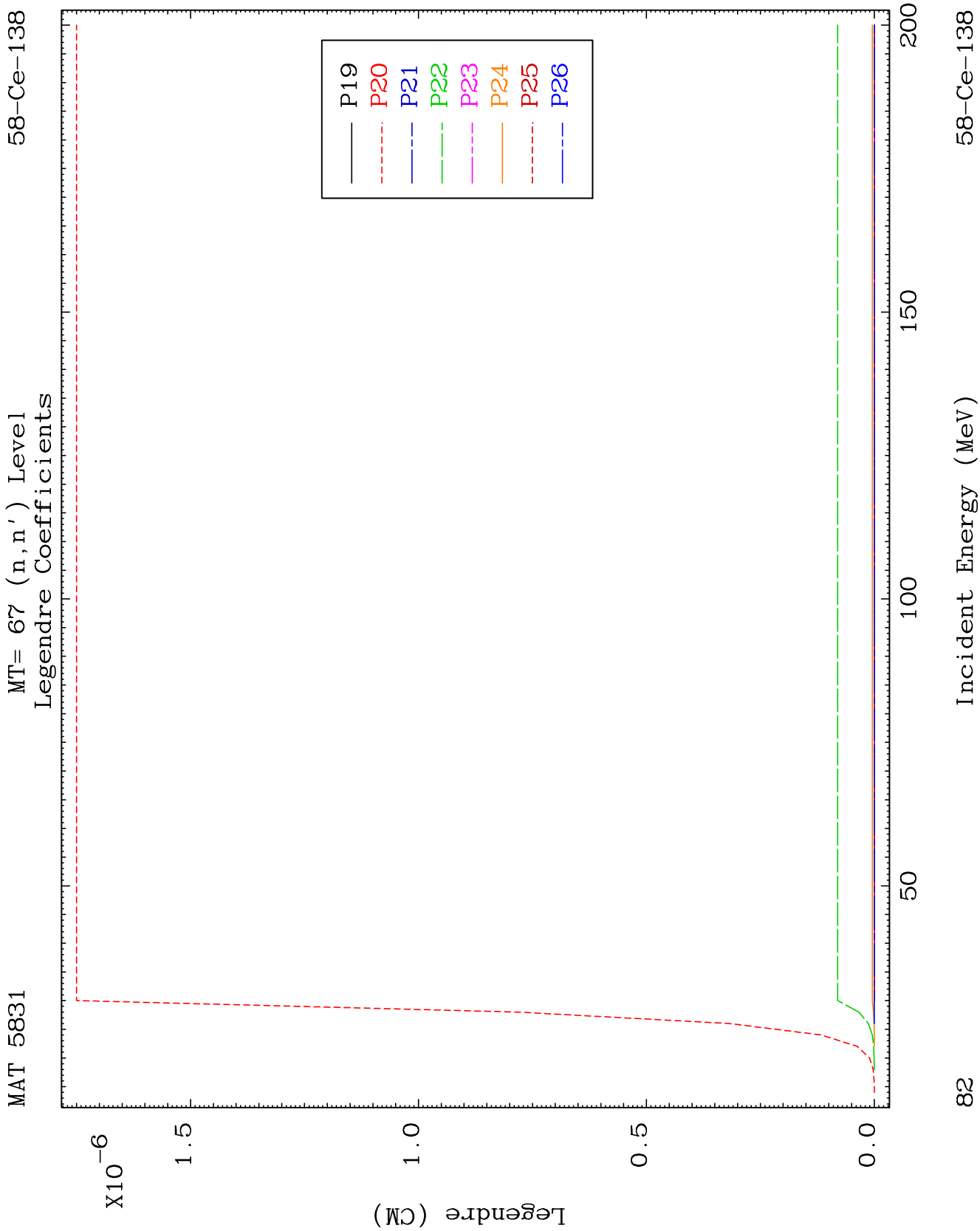
MAT 5831

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

58-Ce-138



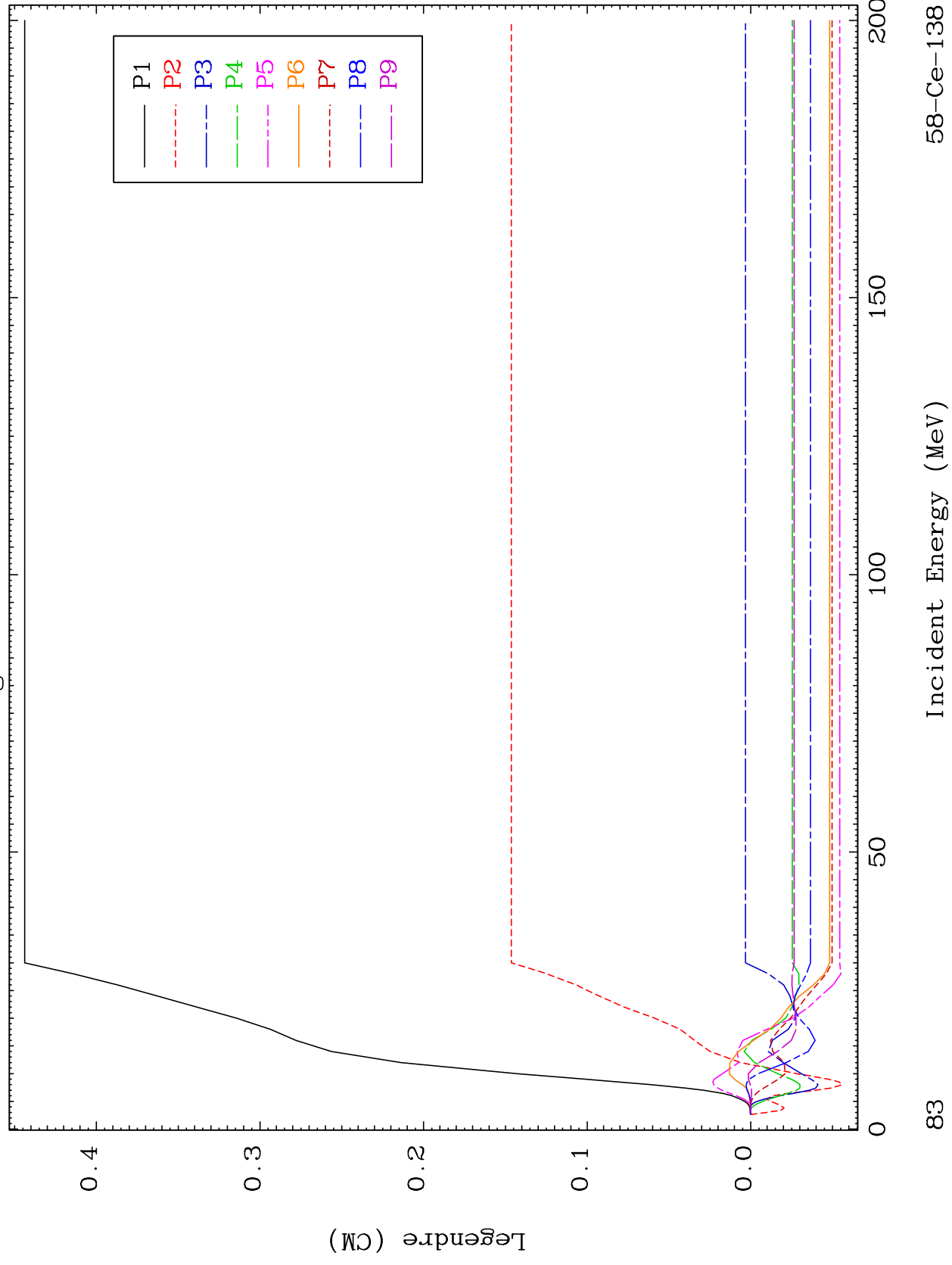




MAT 5831

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

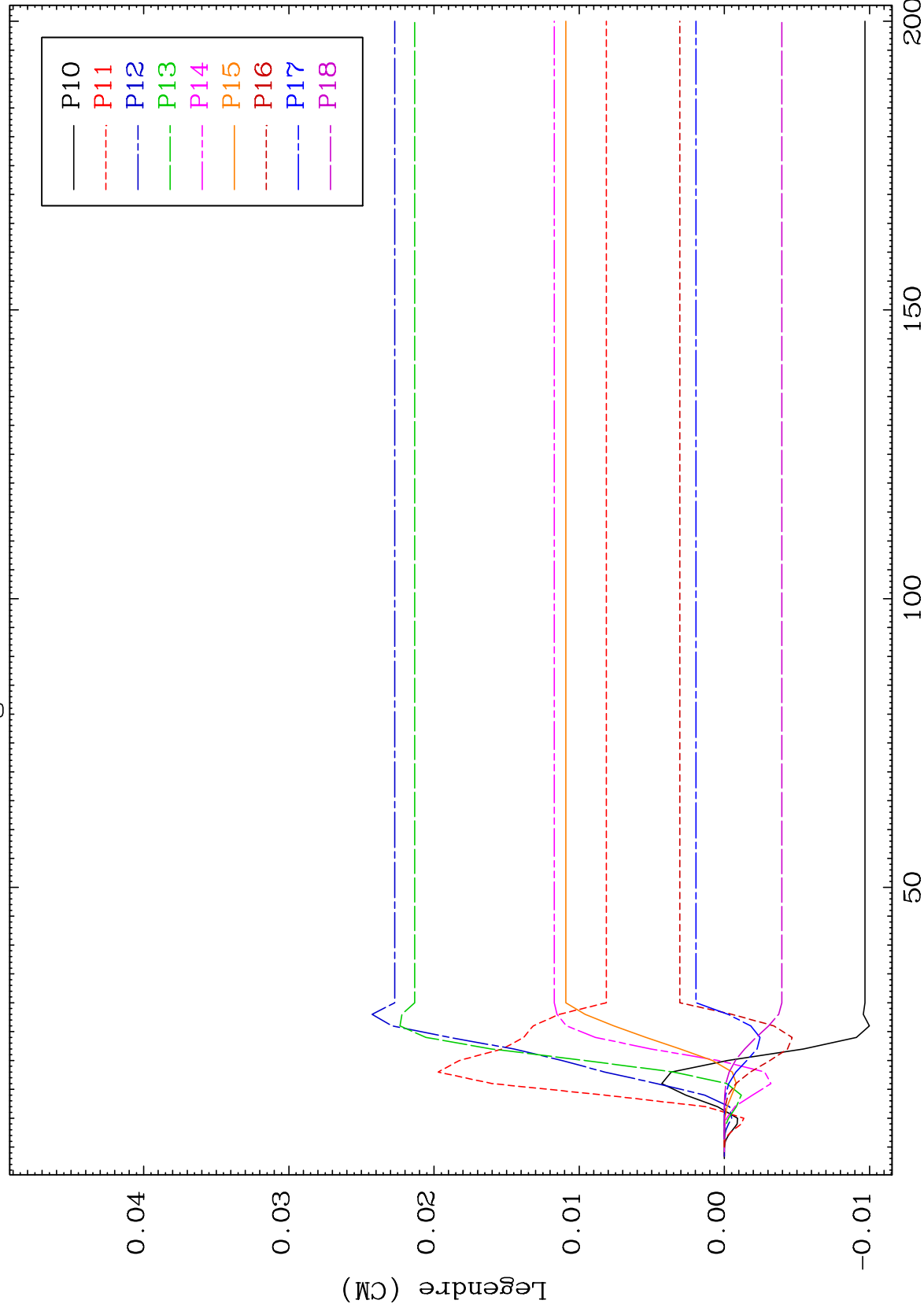
58-Ce-138



MAT 5831

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

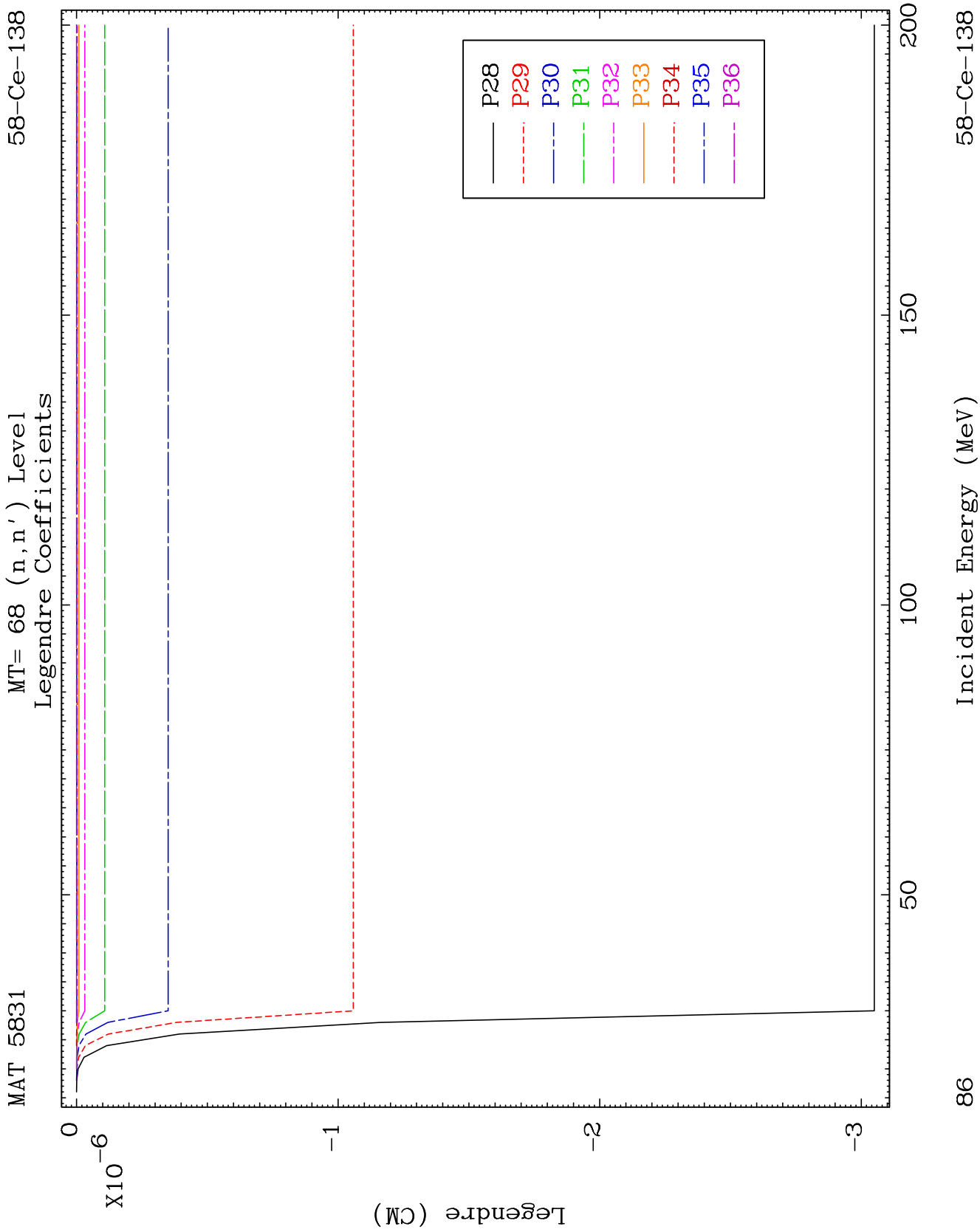
58-Ce-138

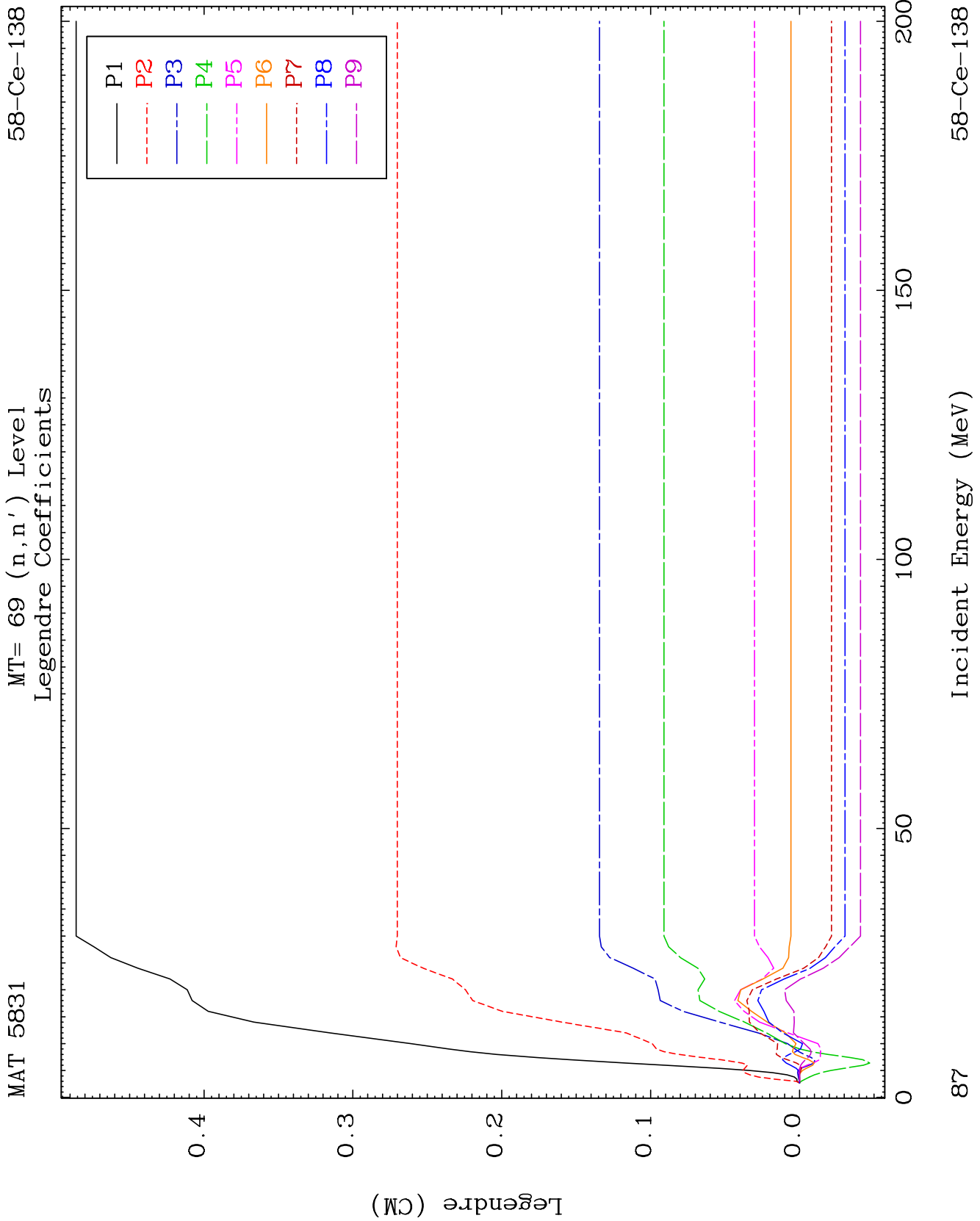


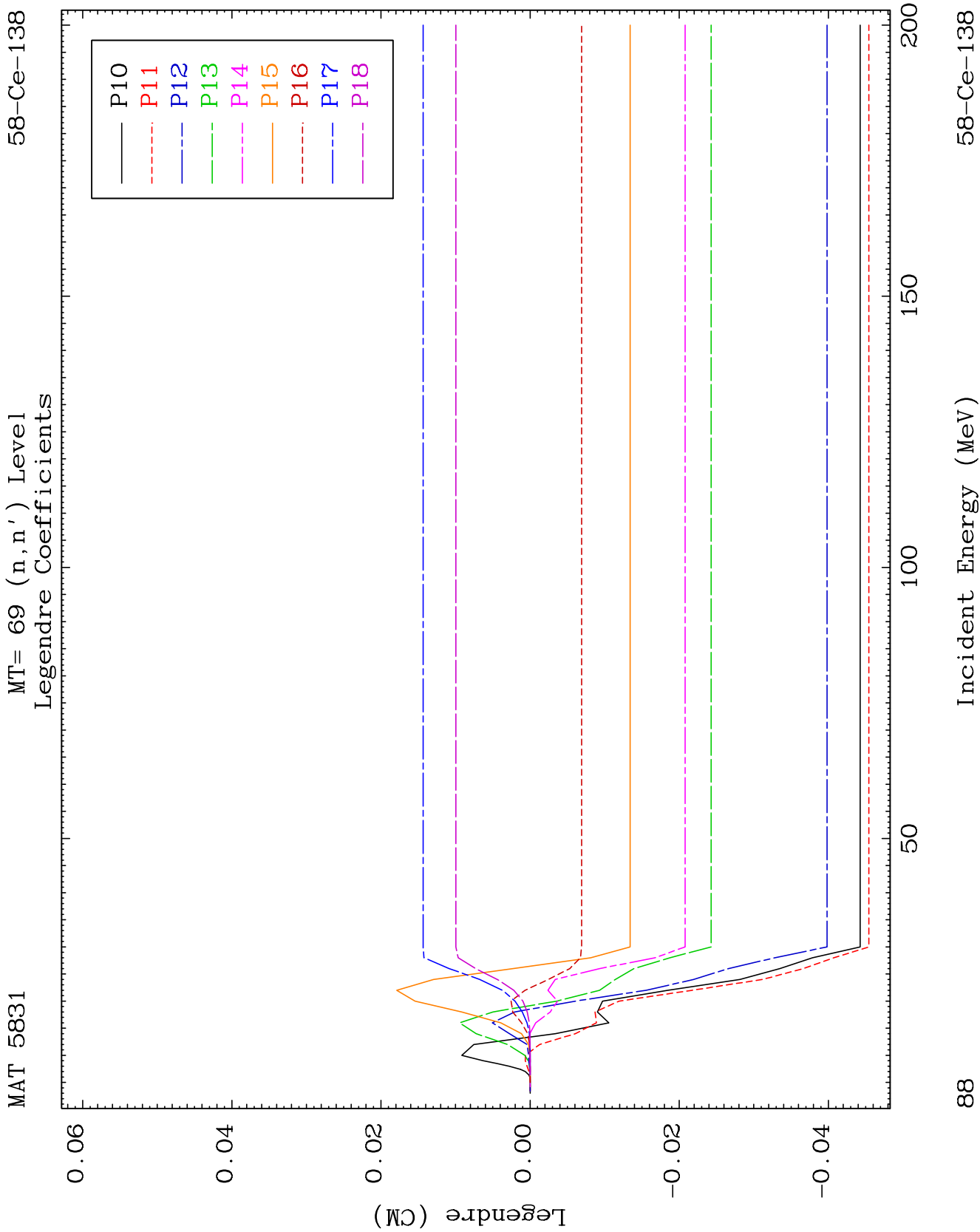
84

Incident Energy (MeV)

58-Ce-138



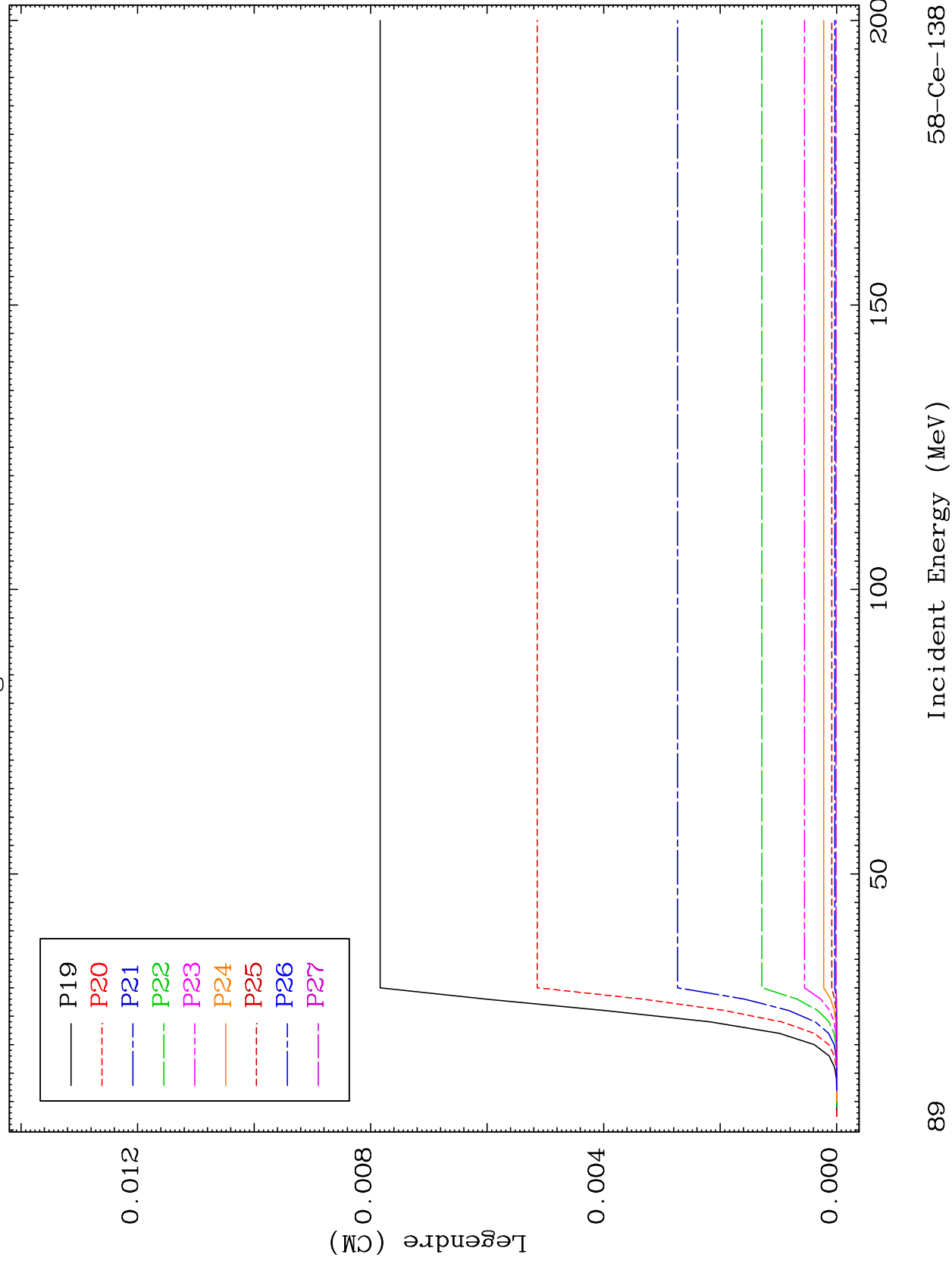


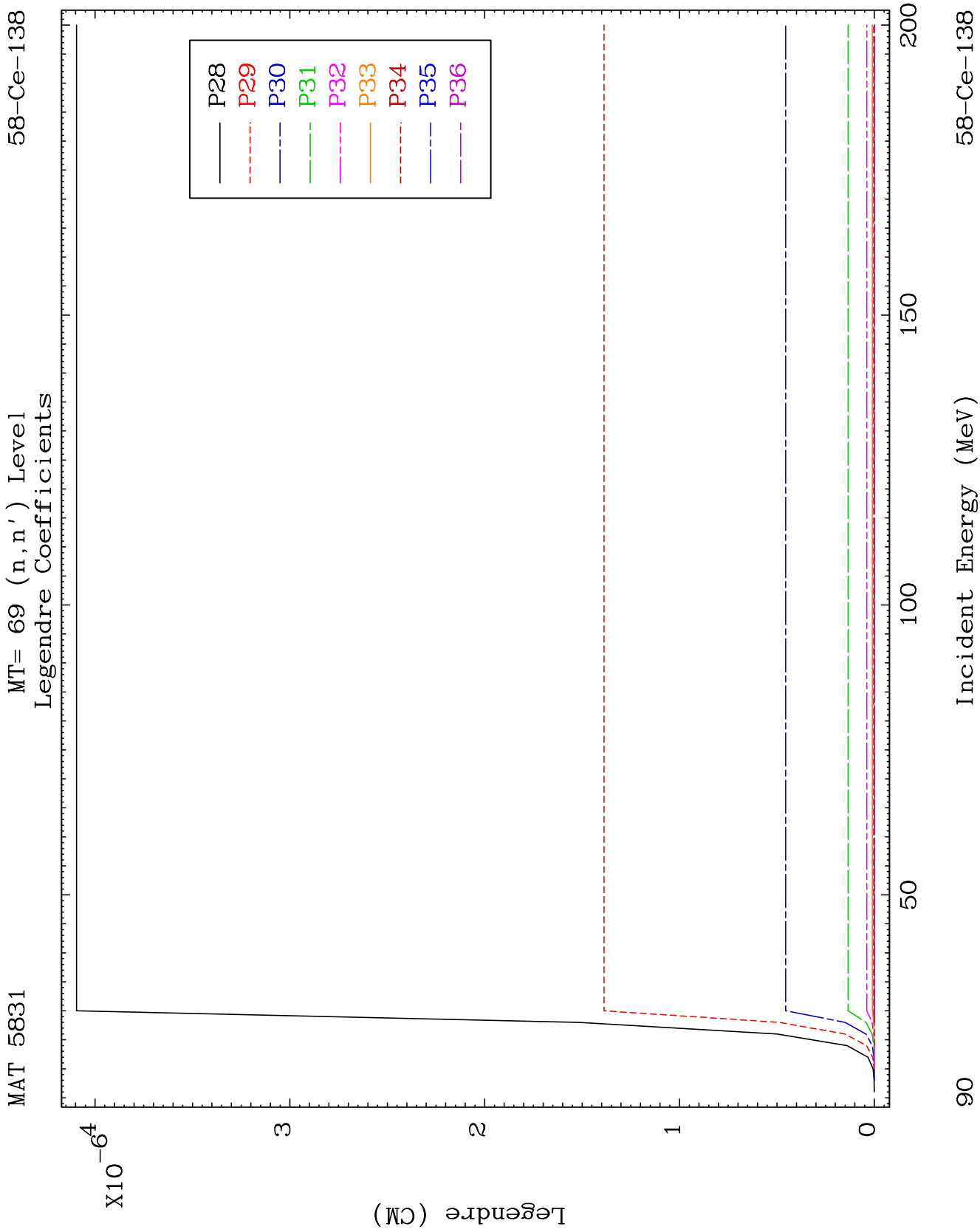


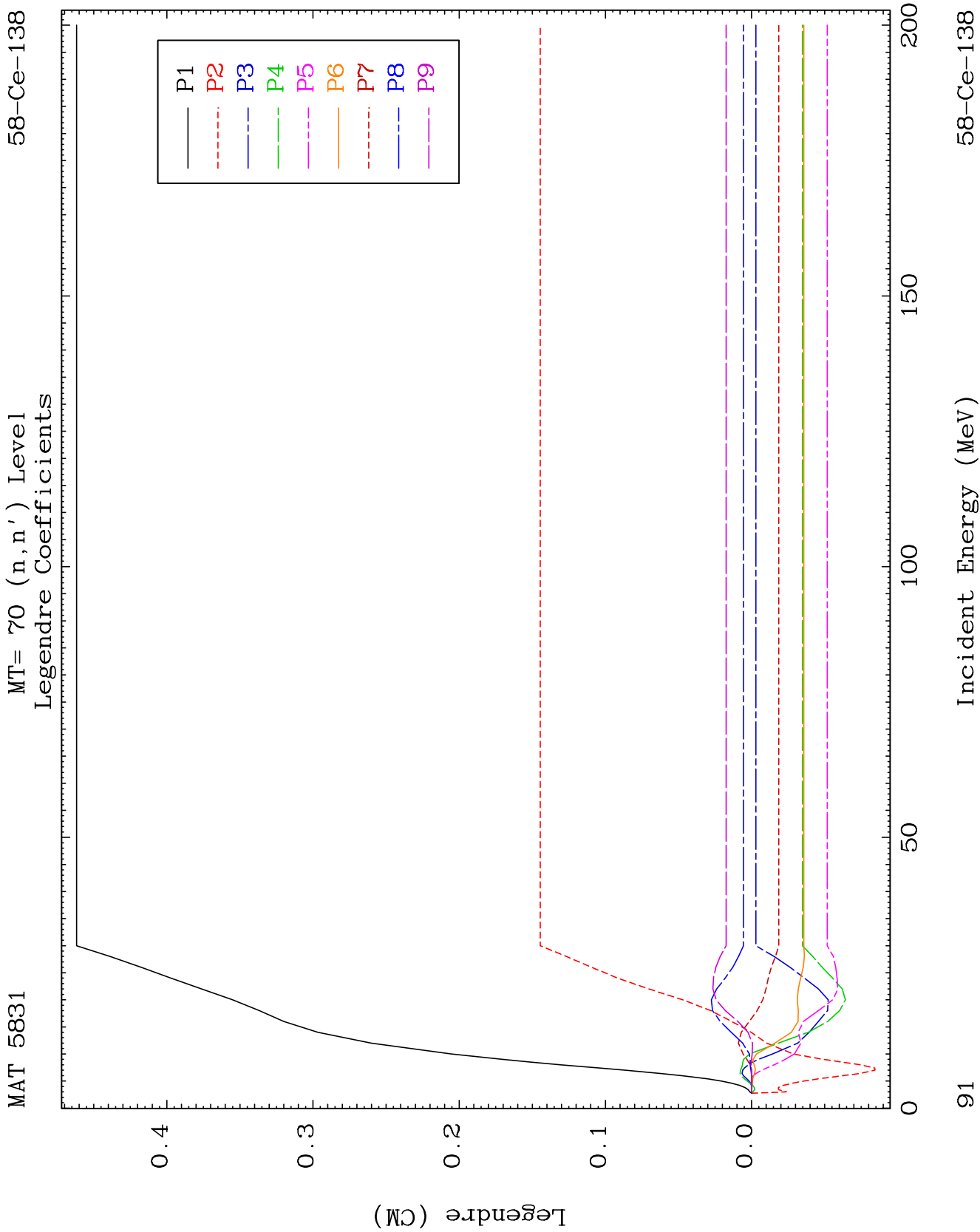
MAT 5831

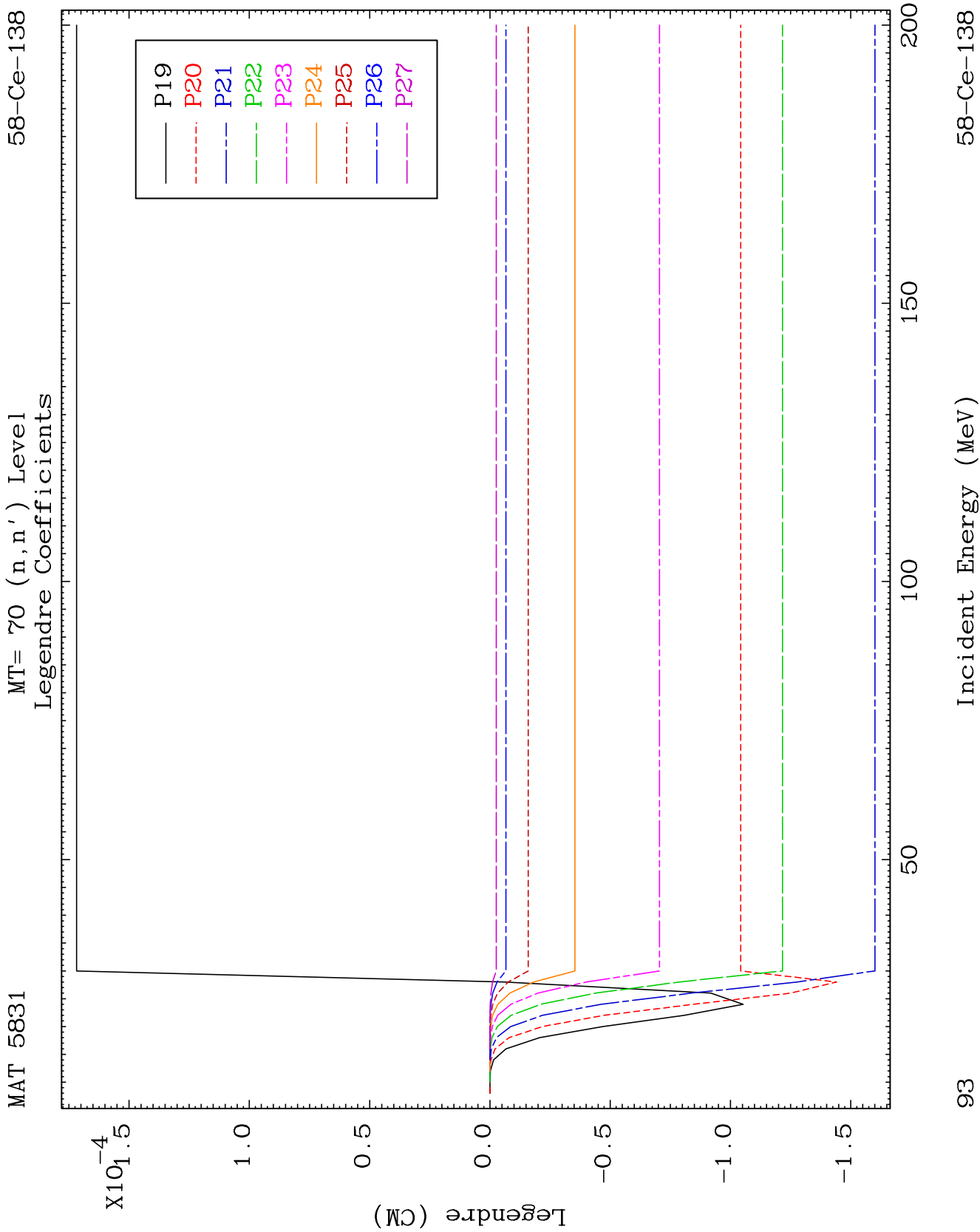
MT= 69 (n, n') Level
Legendre Coefficients

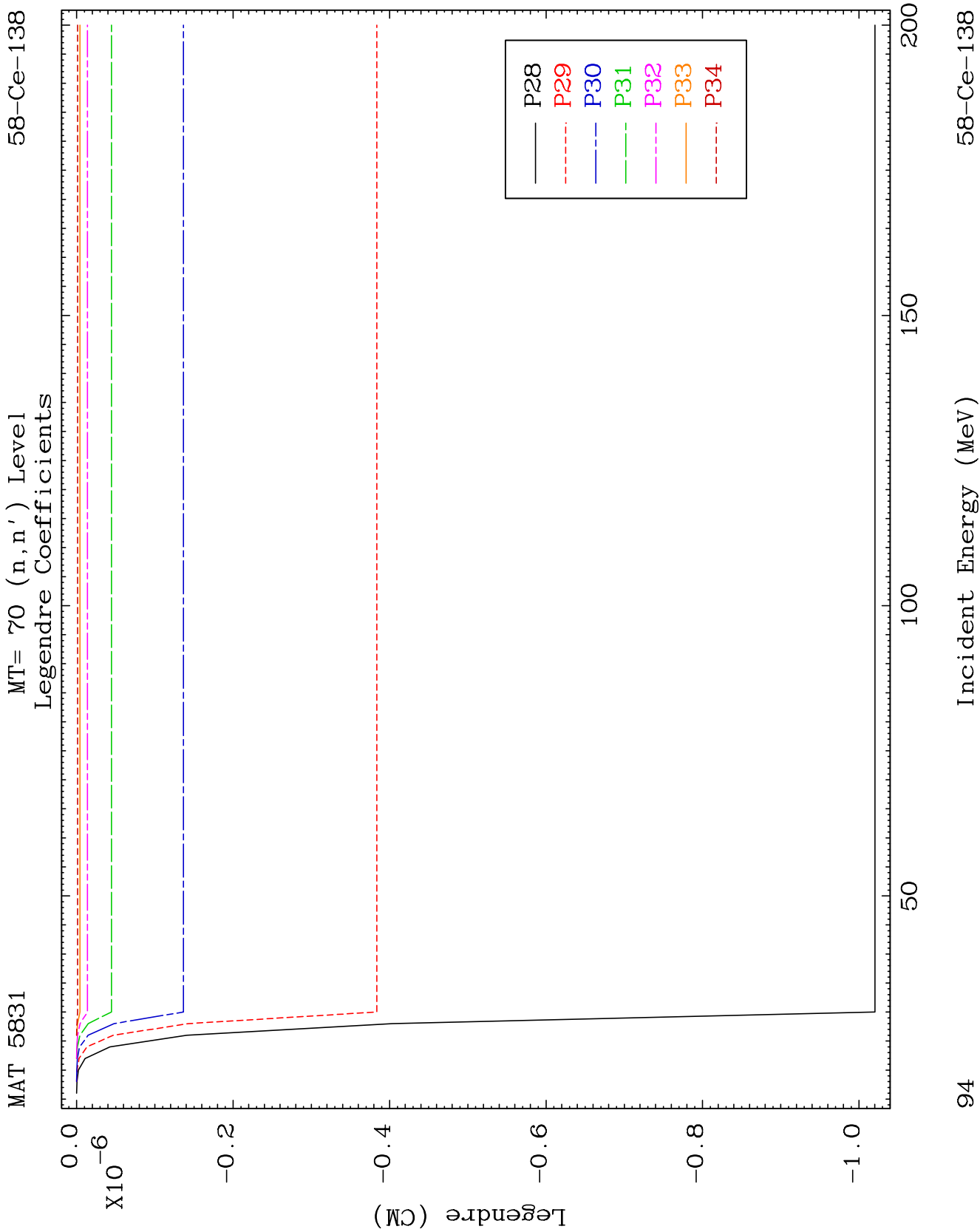
58-Ce-138

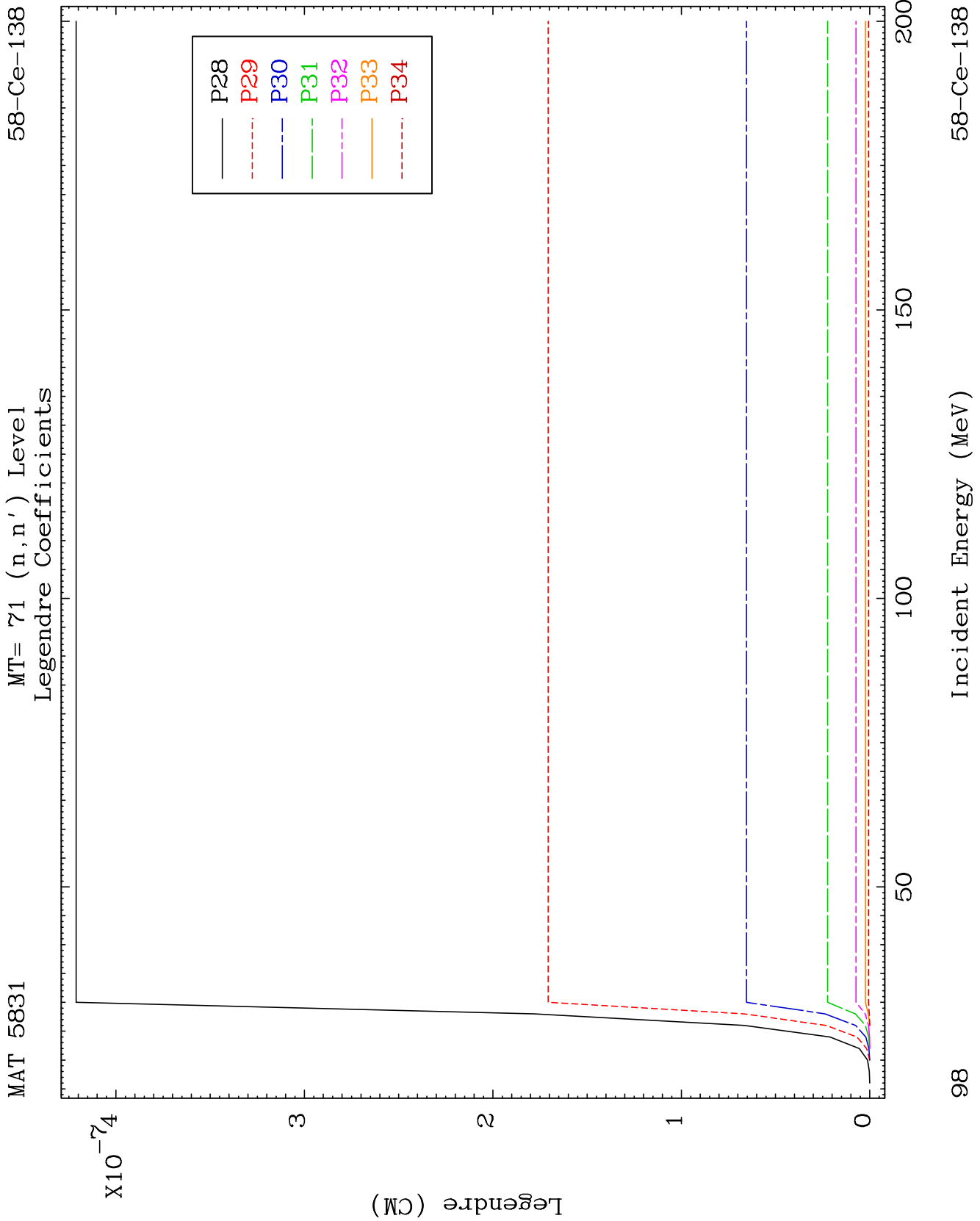


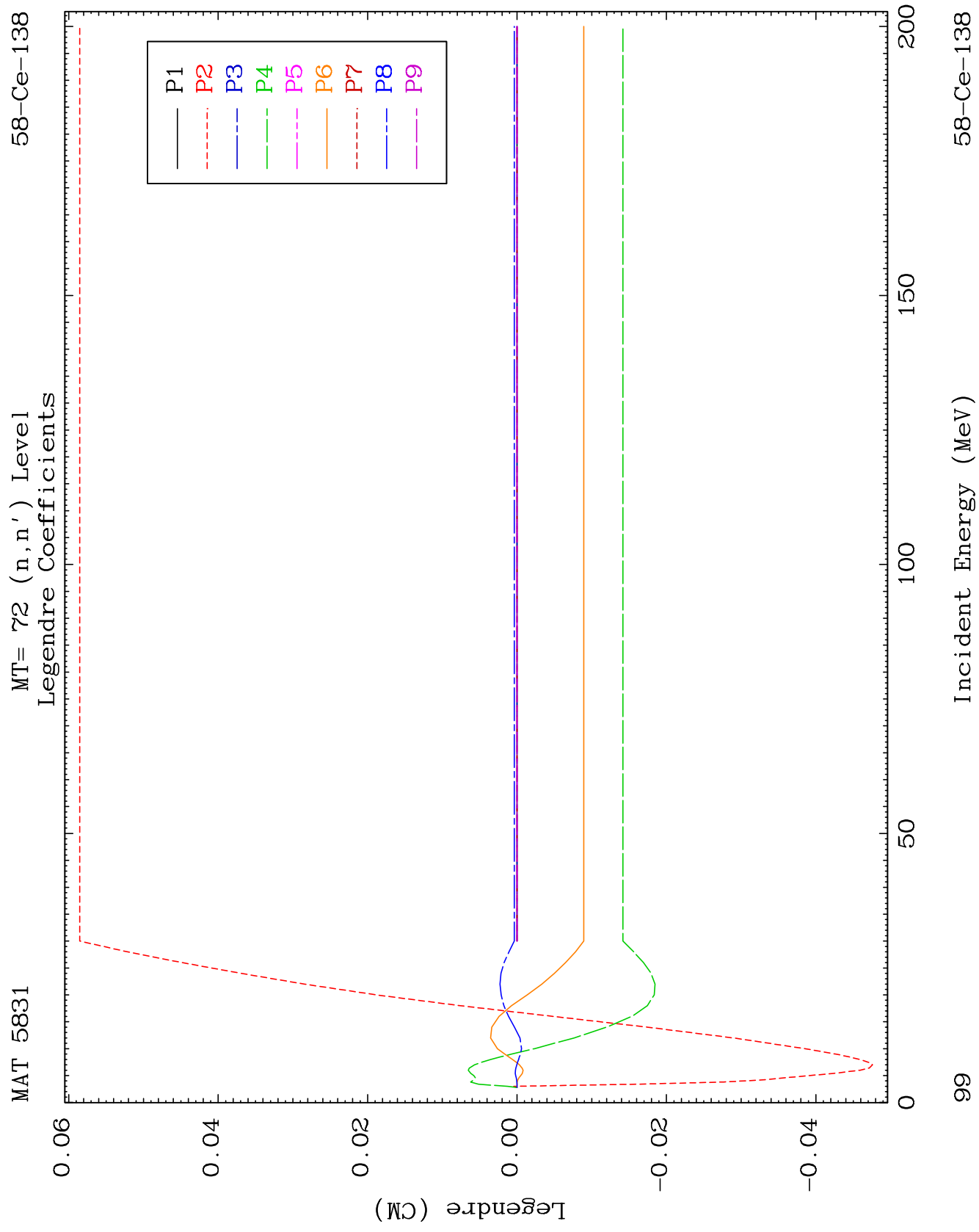


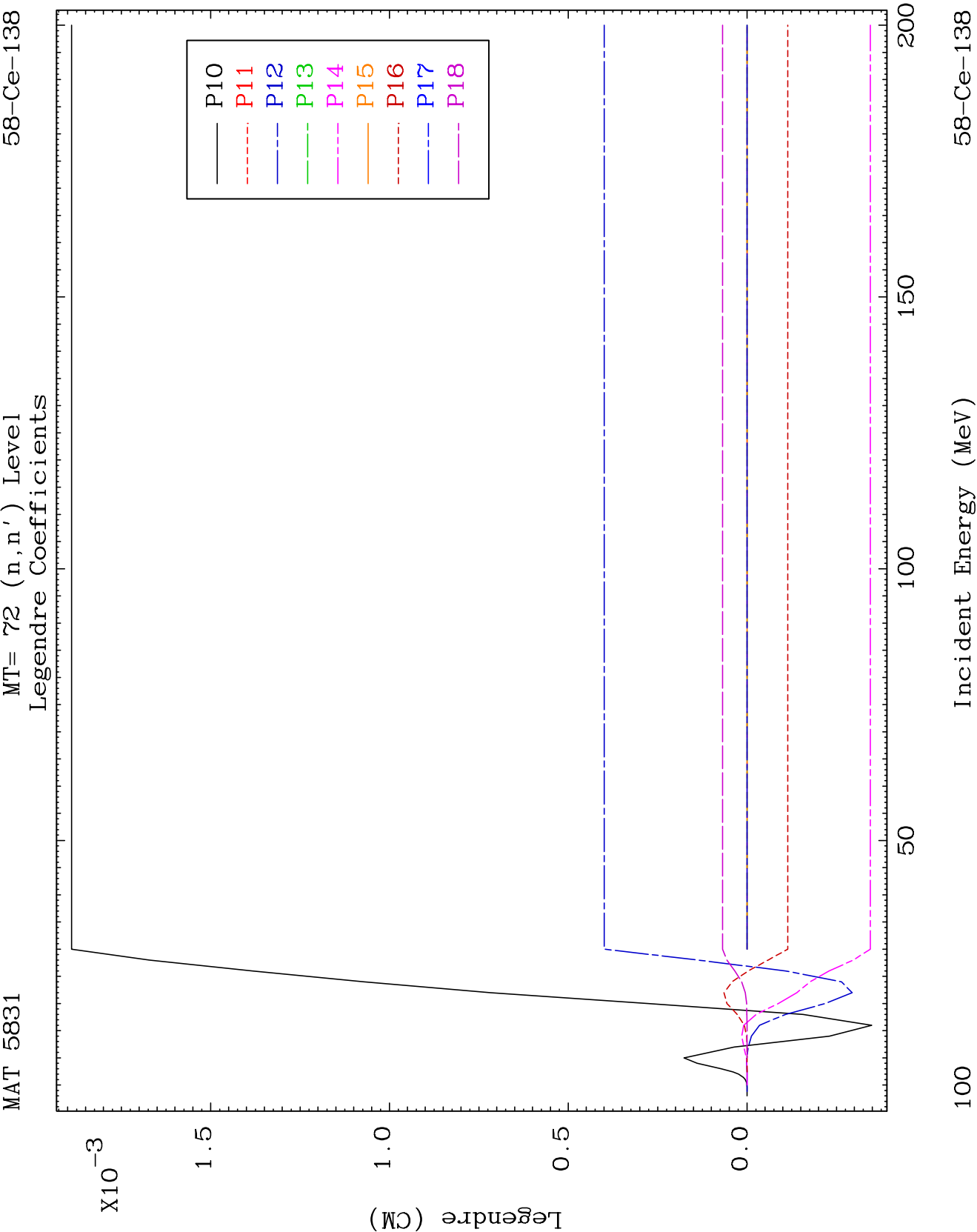








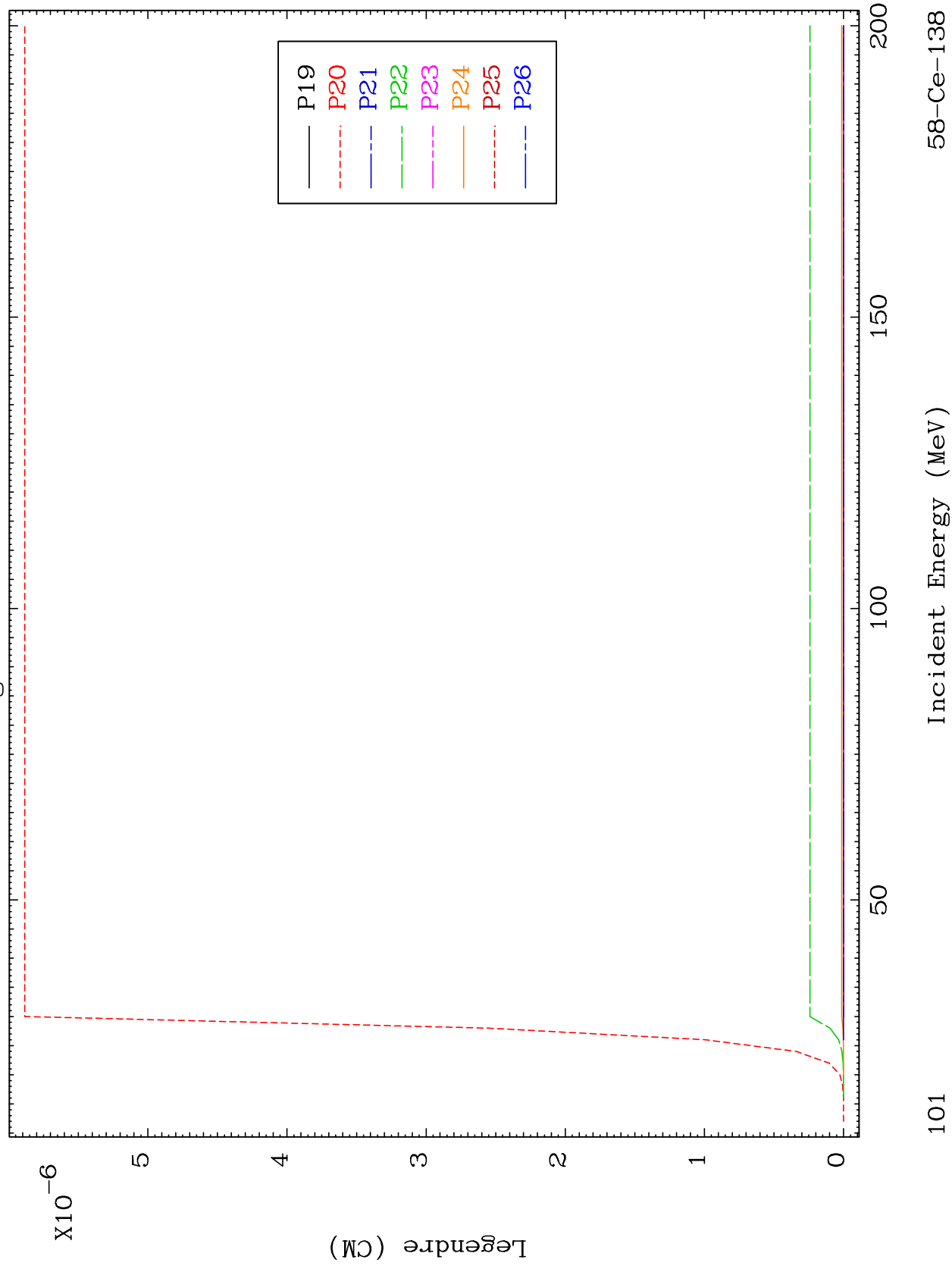


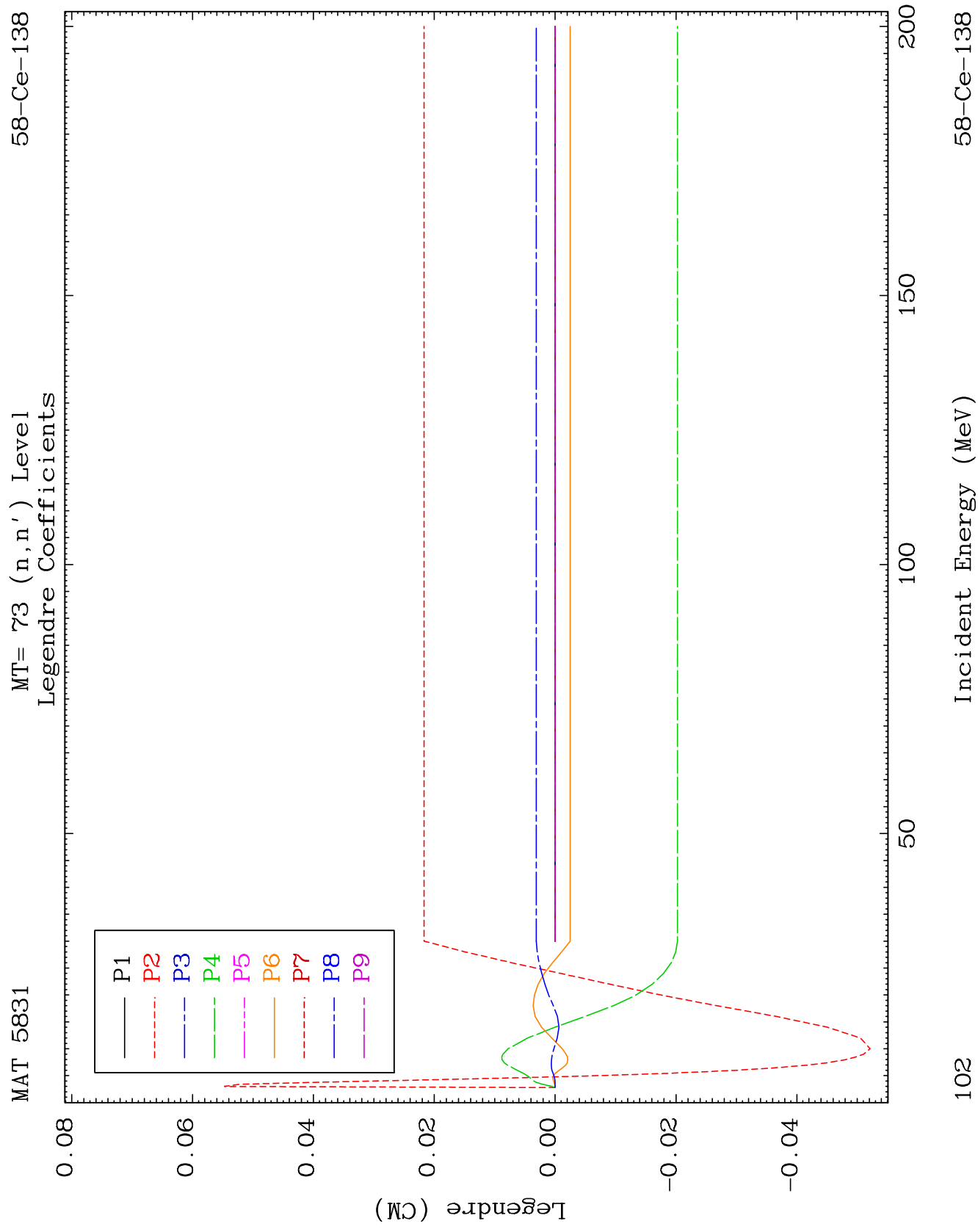


MAT 5831

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

58-Ce-138

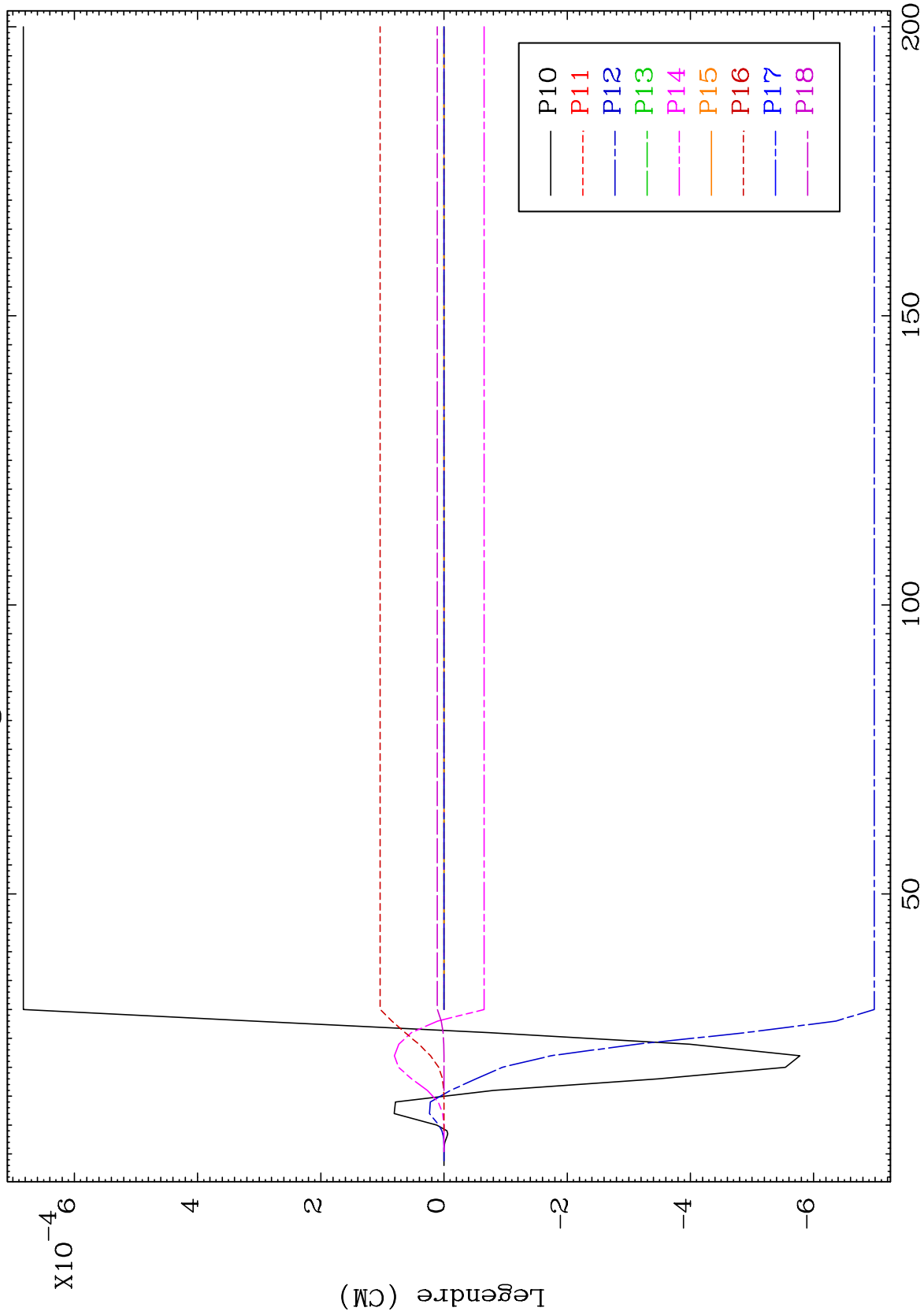




MAT 5831

MT= 73 (n,n') Level
Legendre Coefficients

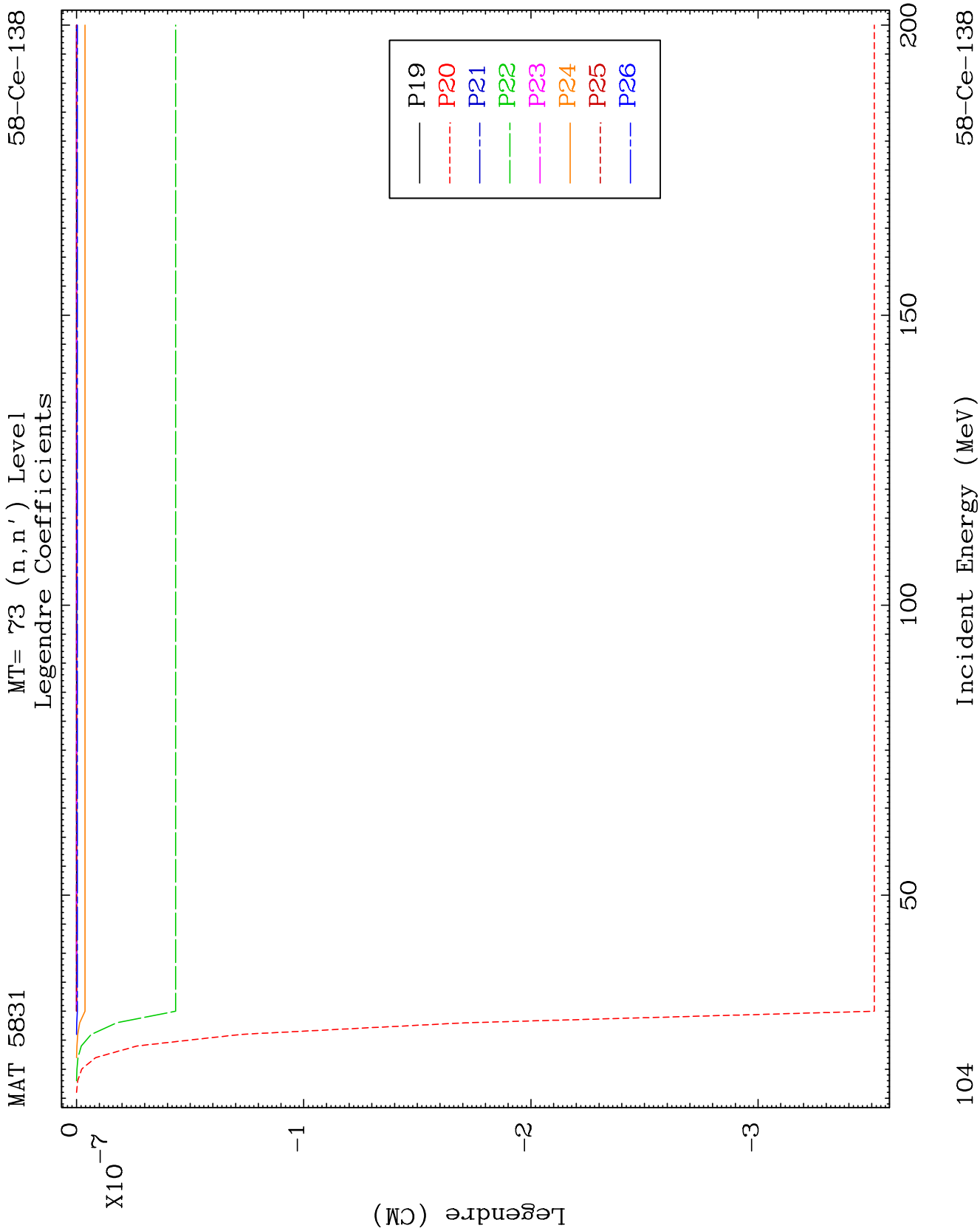
58-Ce-138



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Incident Energy (MeV)

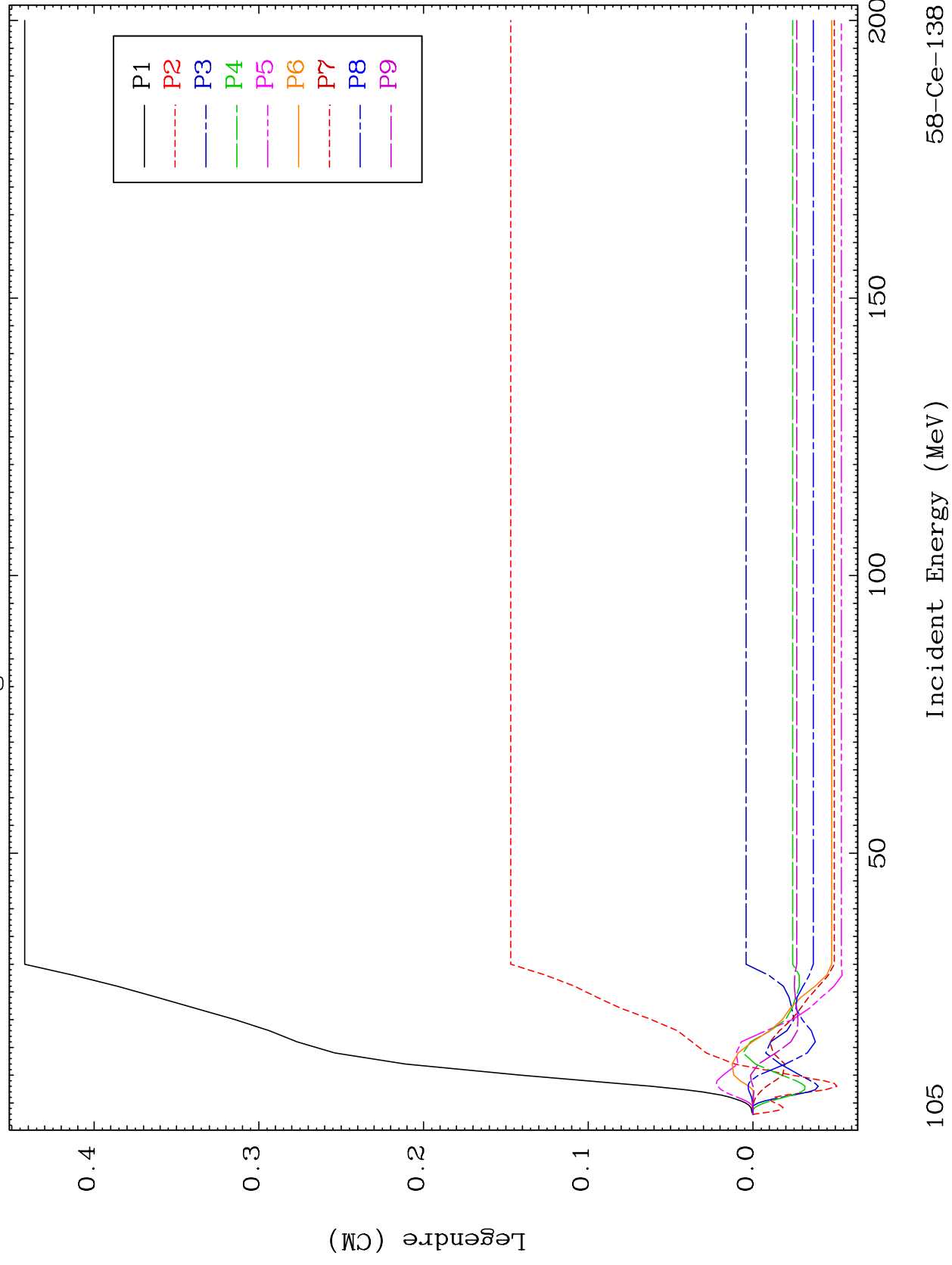
58-Ce-138



MAT 5831

MT= 74 (n, n') Level
Legendre Coefficients

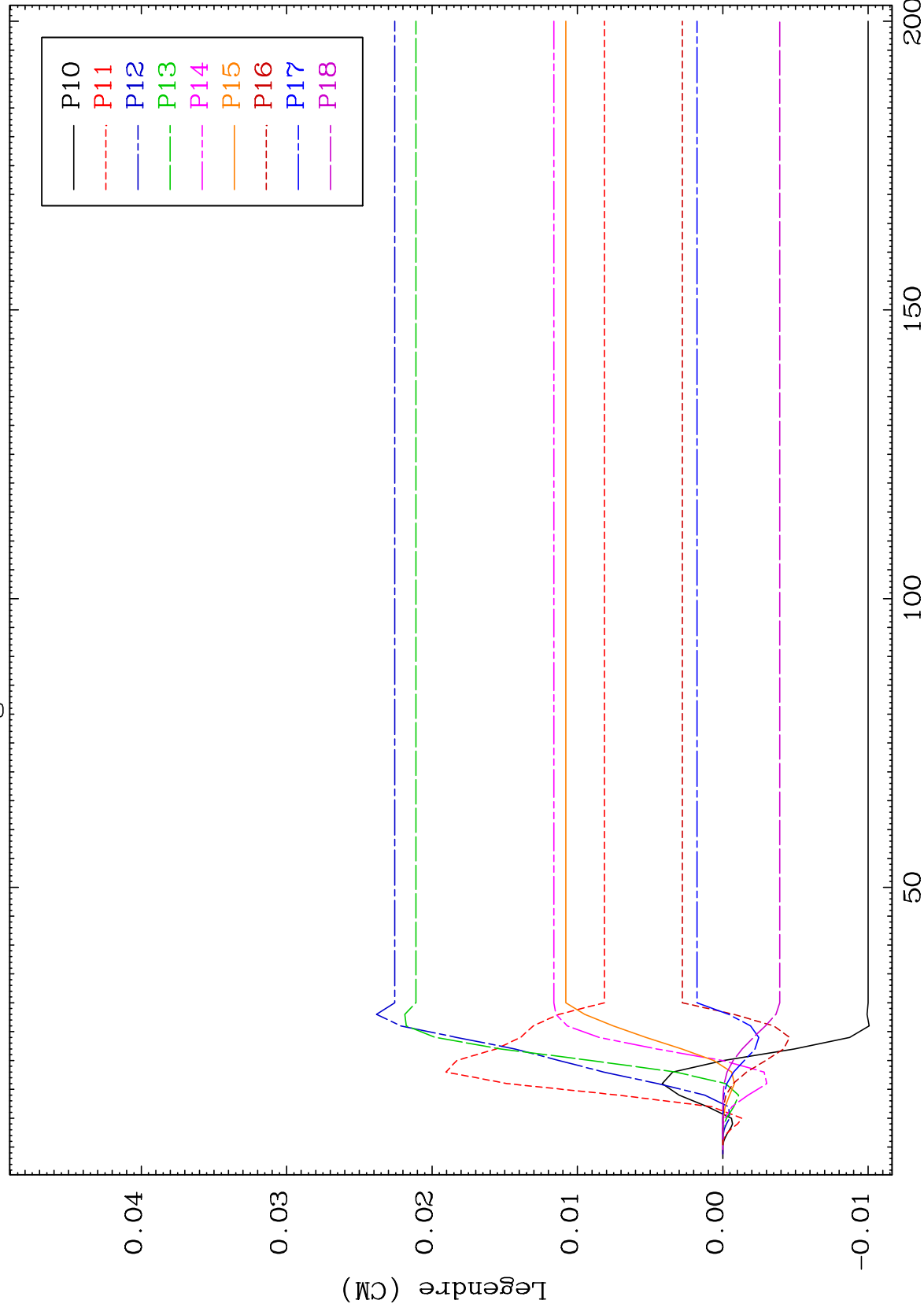
58-Ce-138



MAT 5831

MT= 74 (n, n') Level
Legendre Coefficients

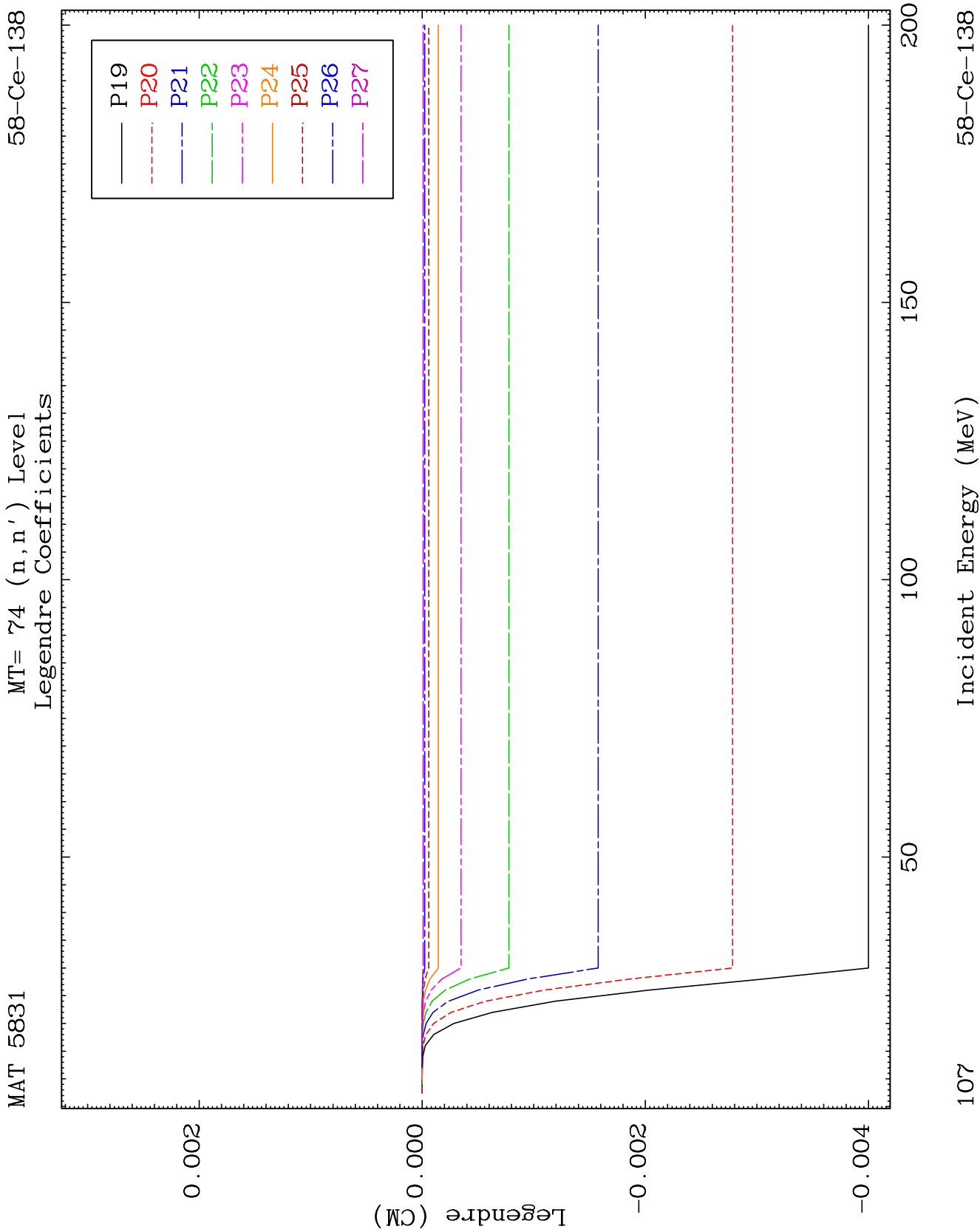
58-Ce-138

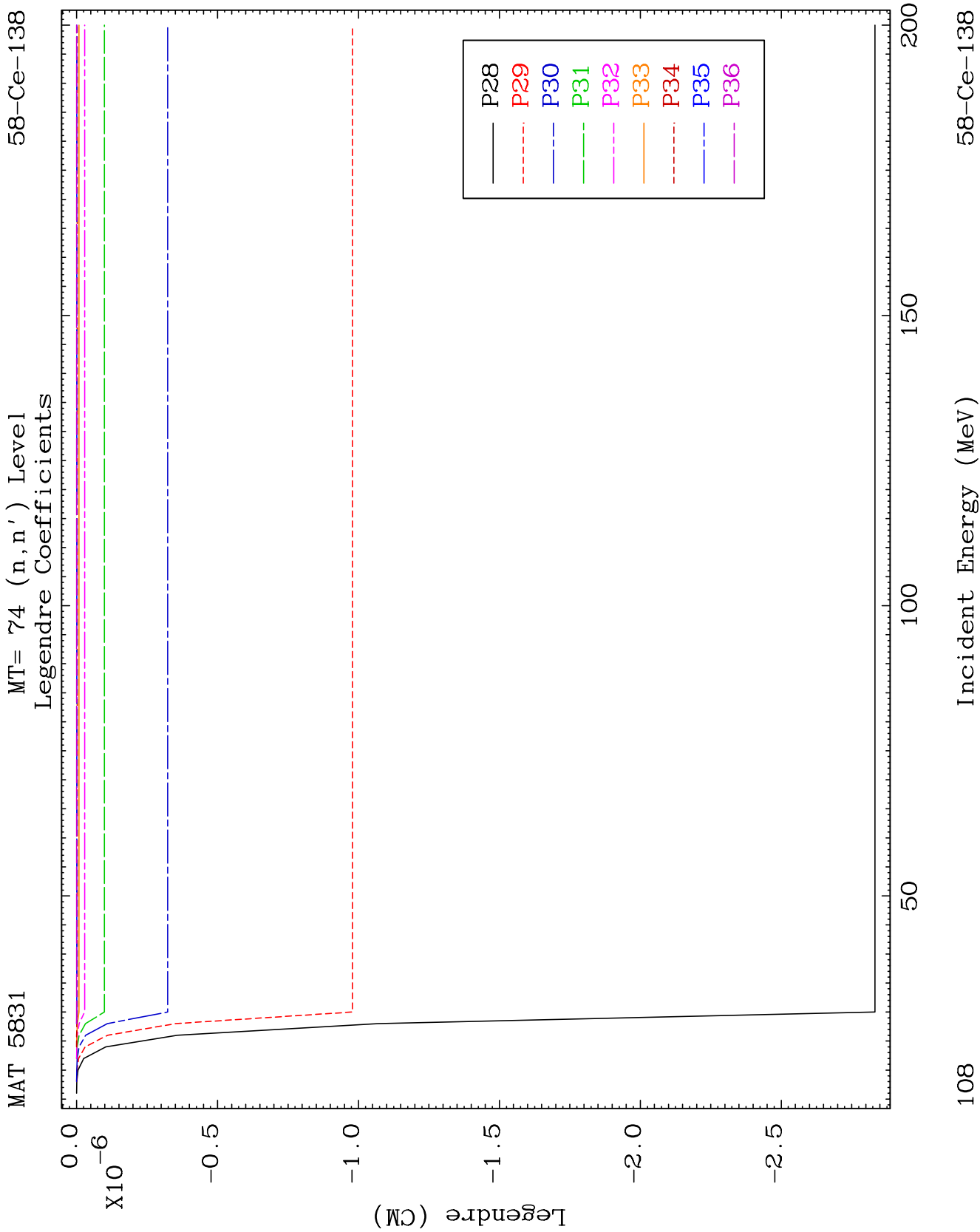


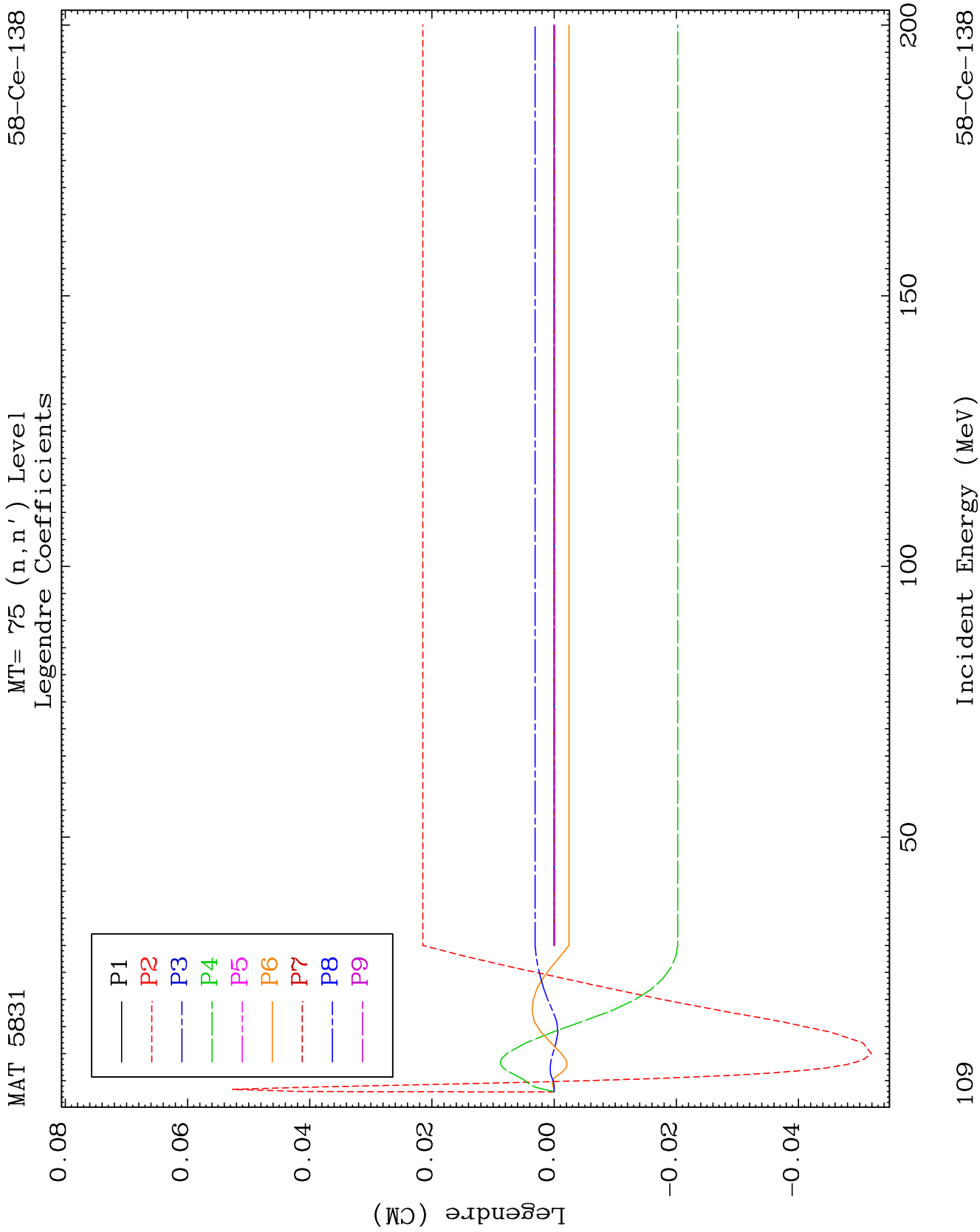
106

Incident Energy (MeV)

58-Ce-138



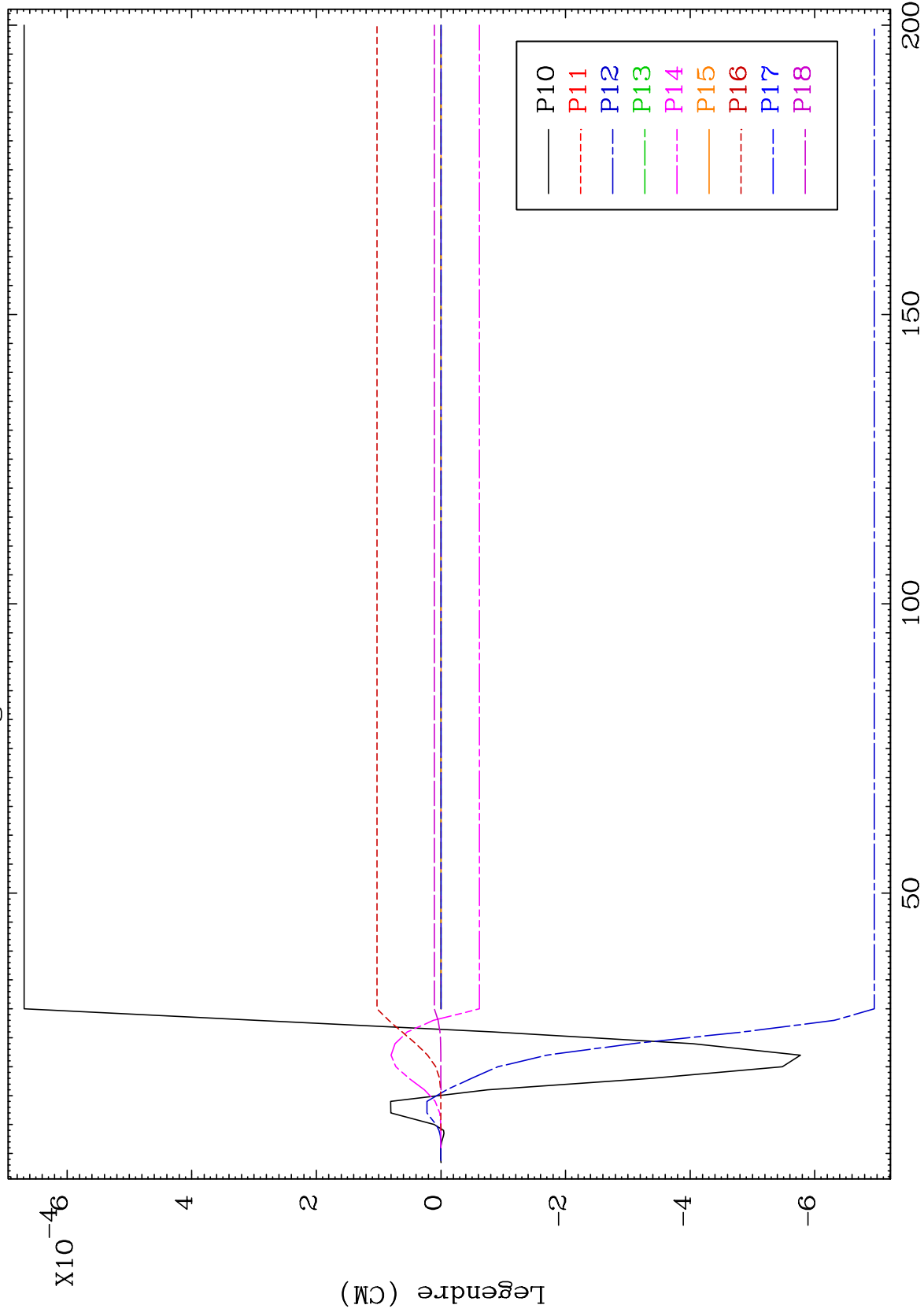




MAT 5831

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

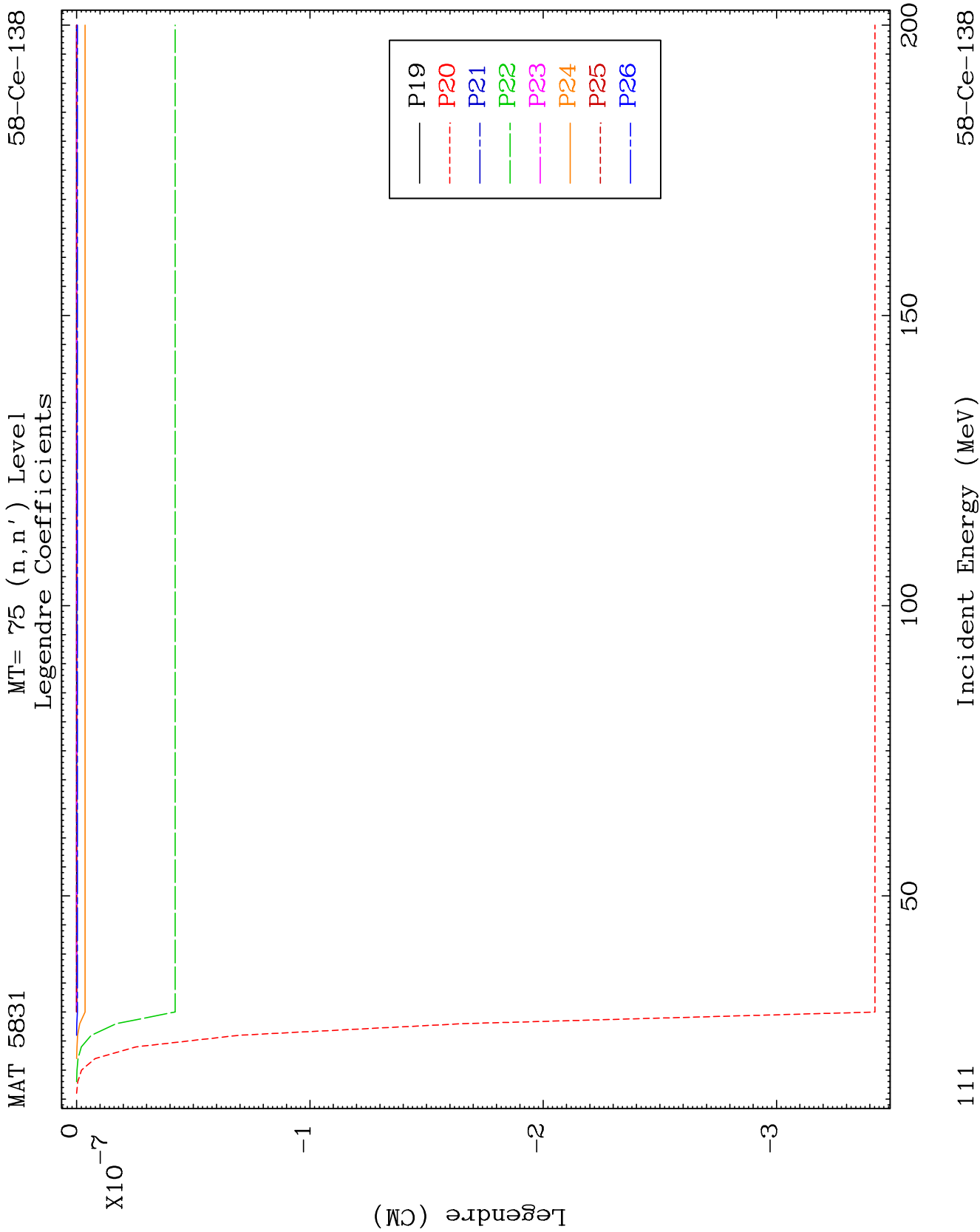
58-Ce-138

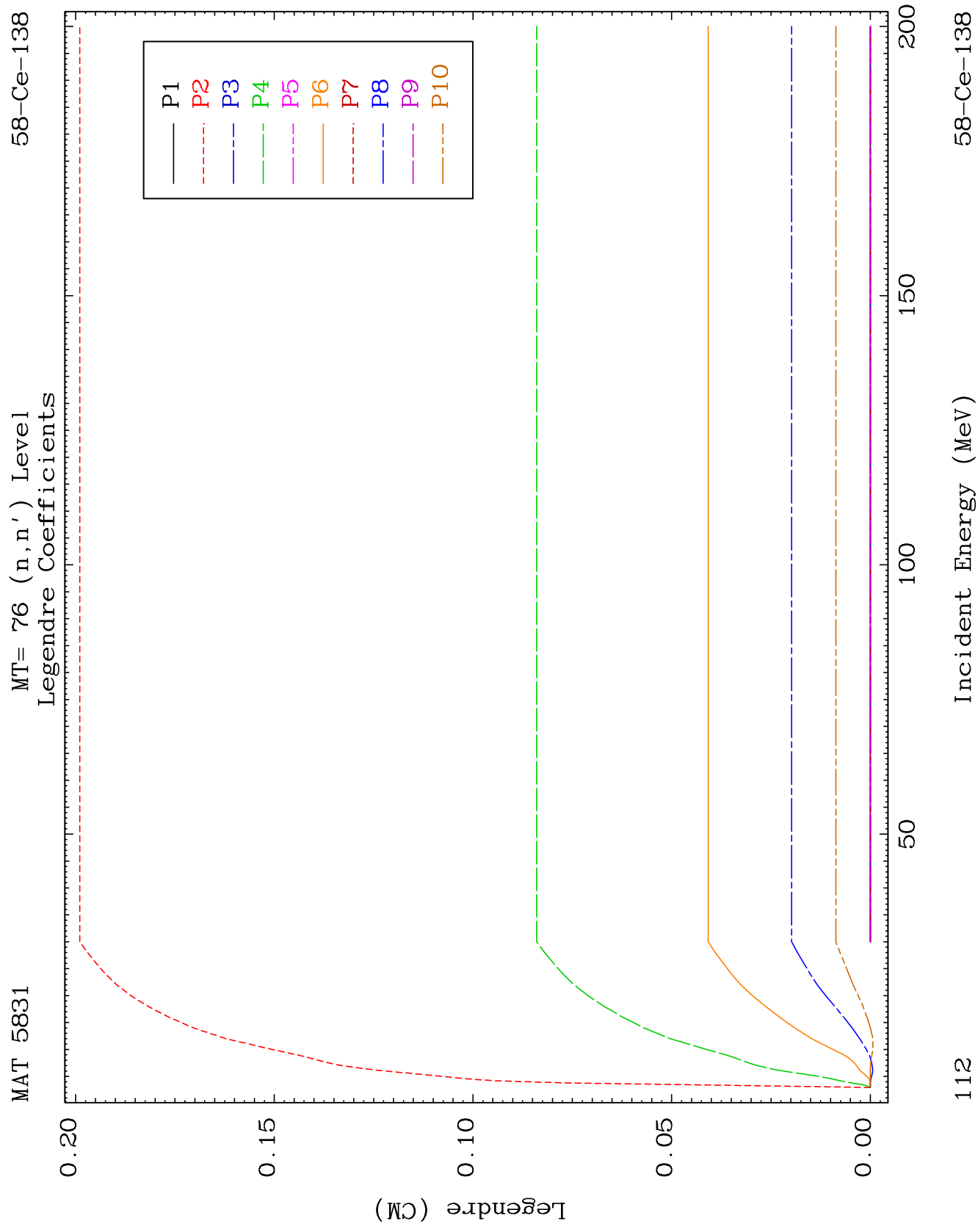


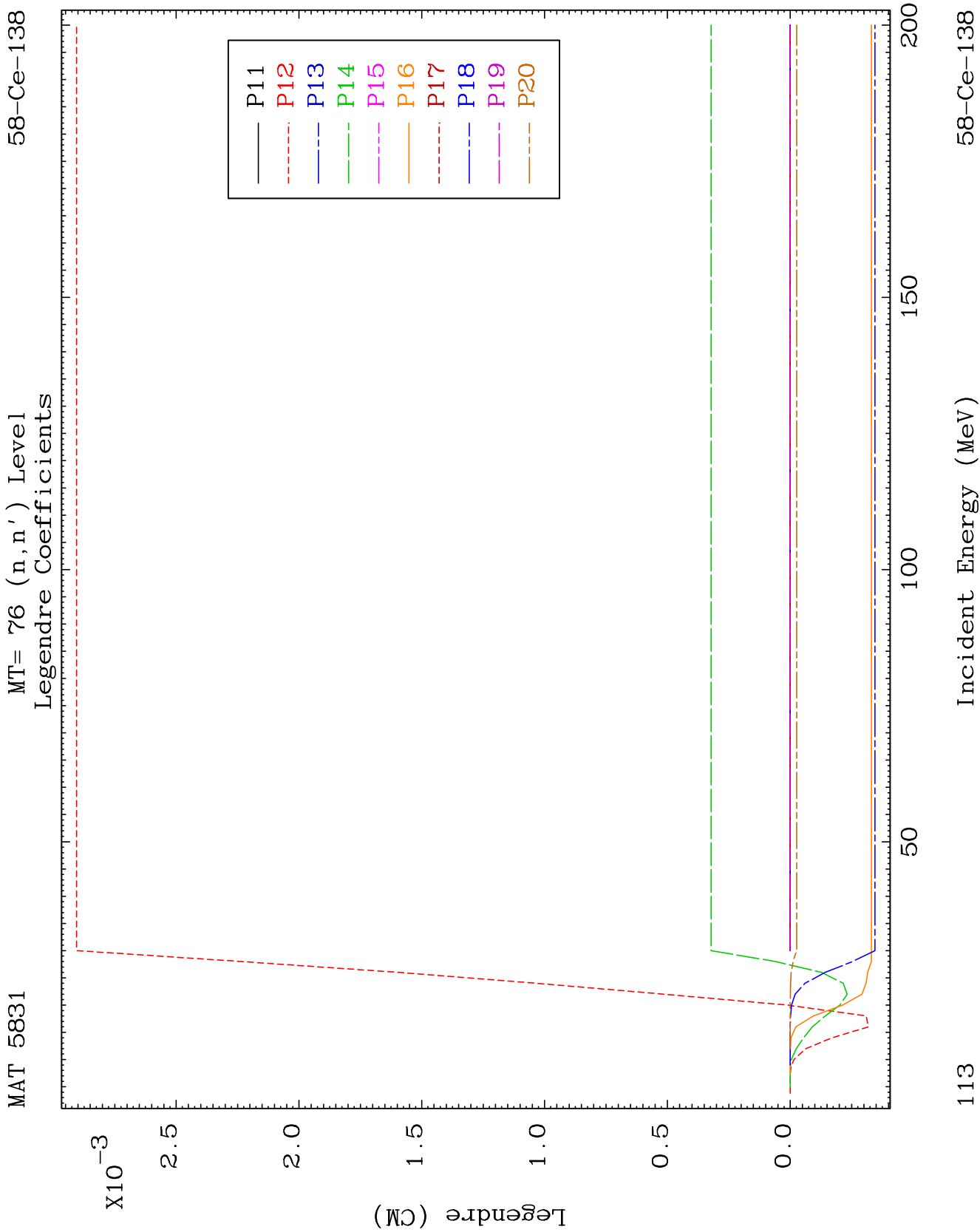
110

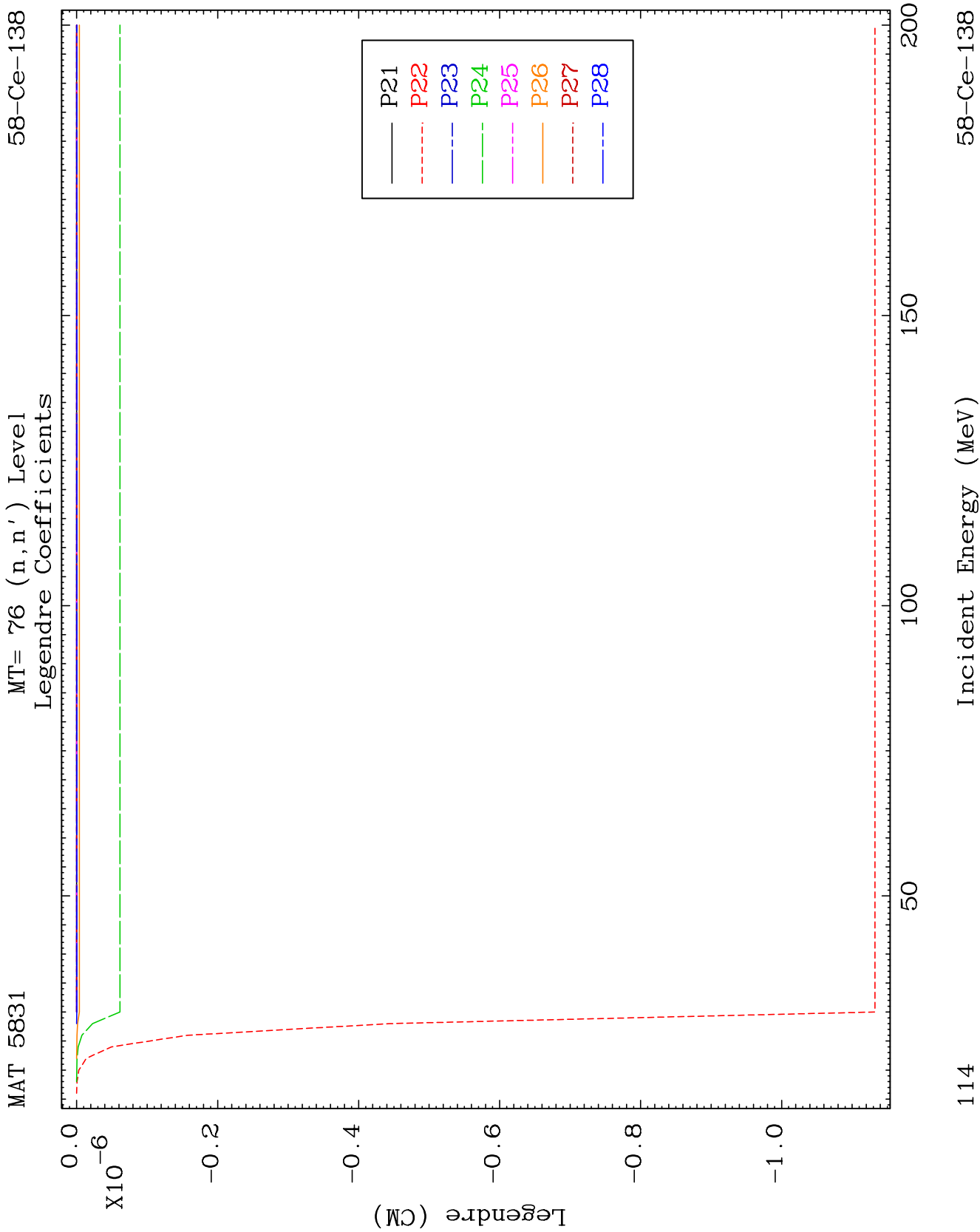
Incident Energy (MeV)

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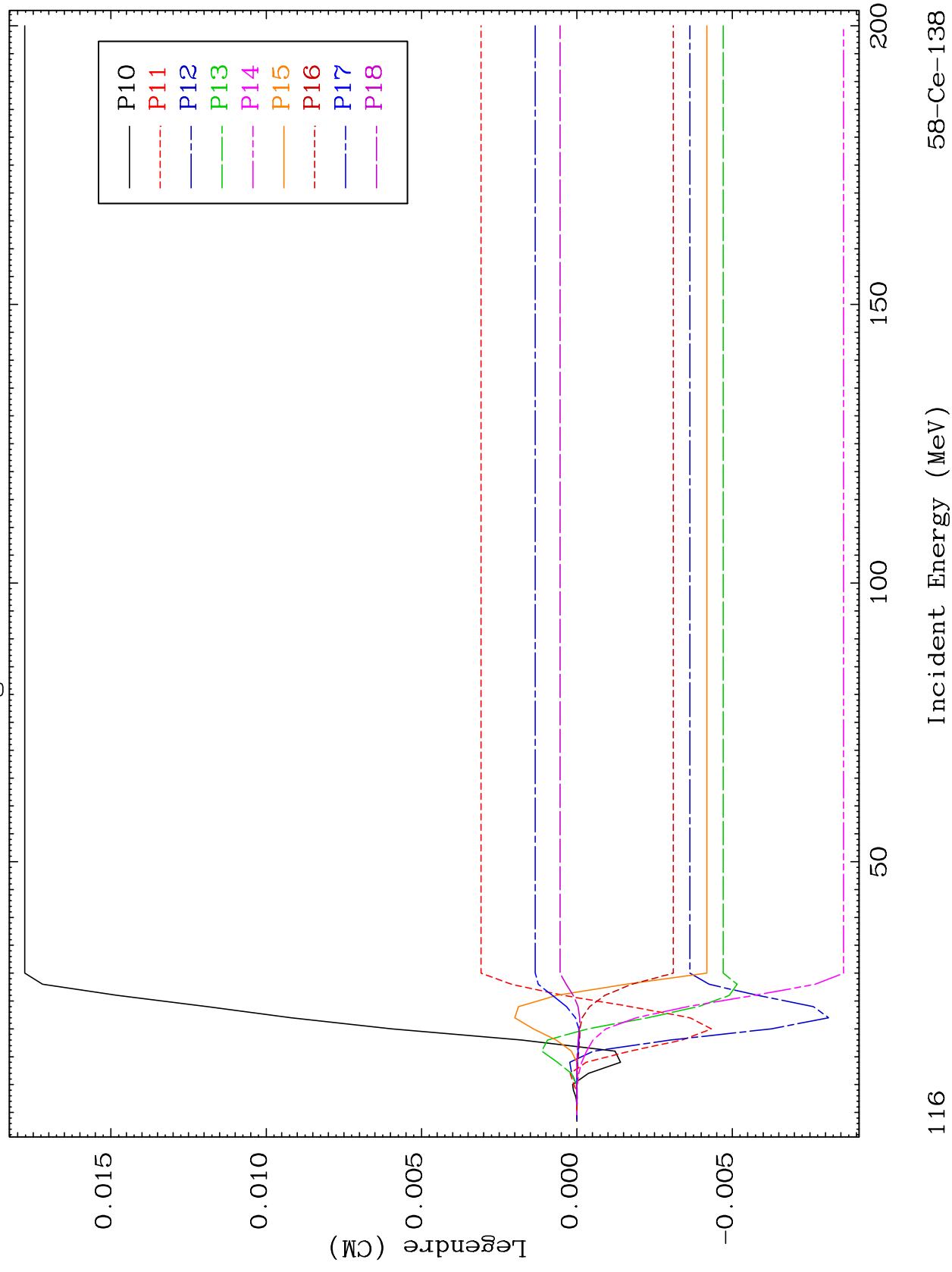


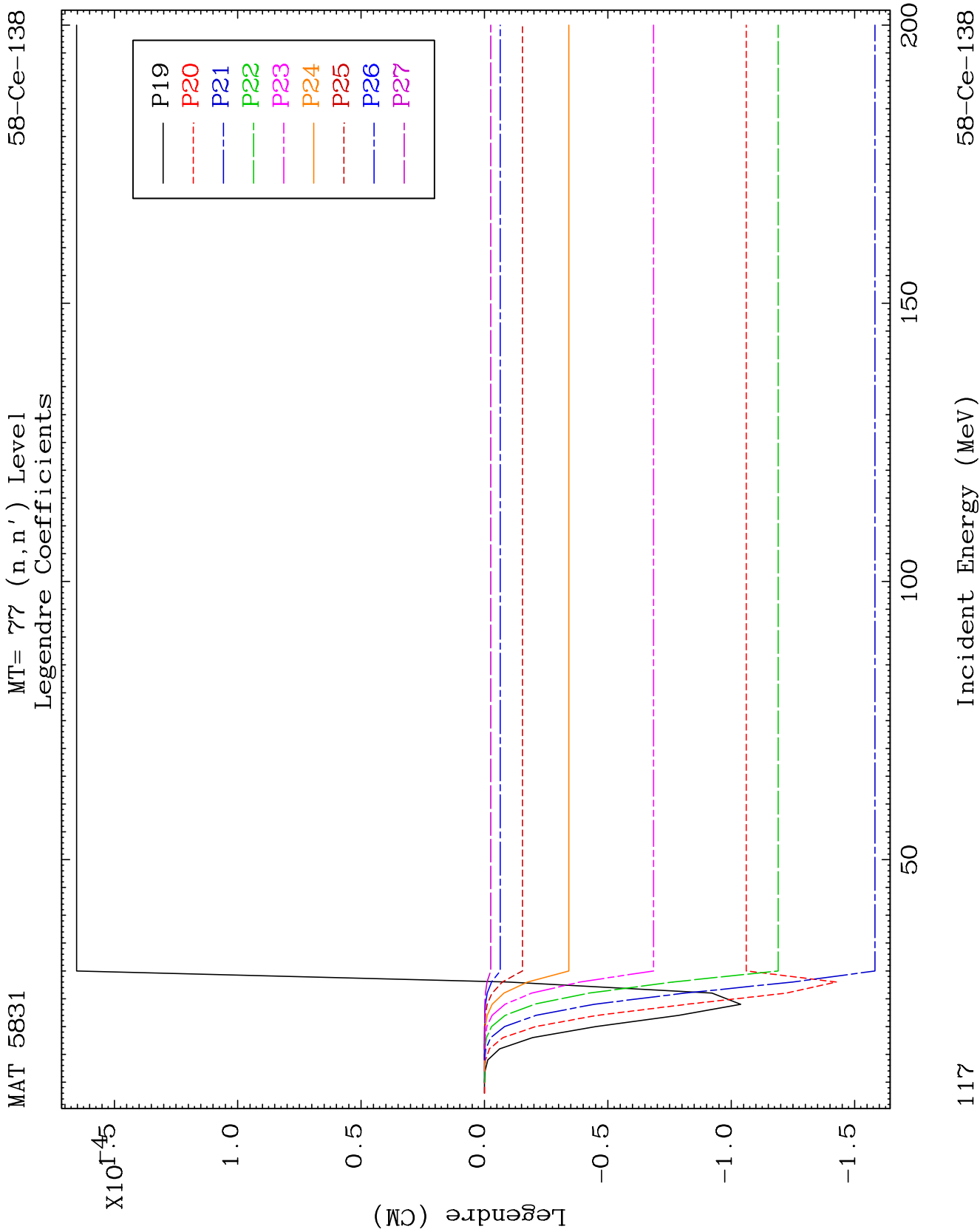


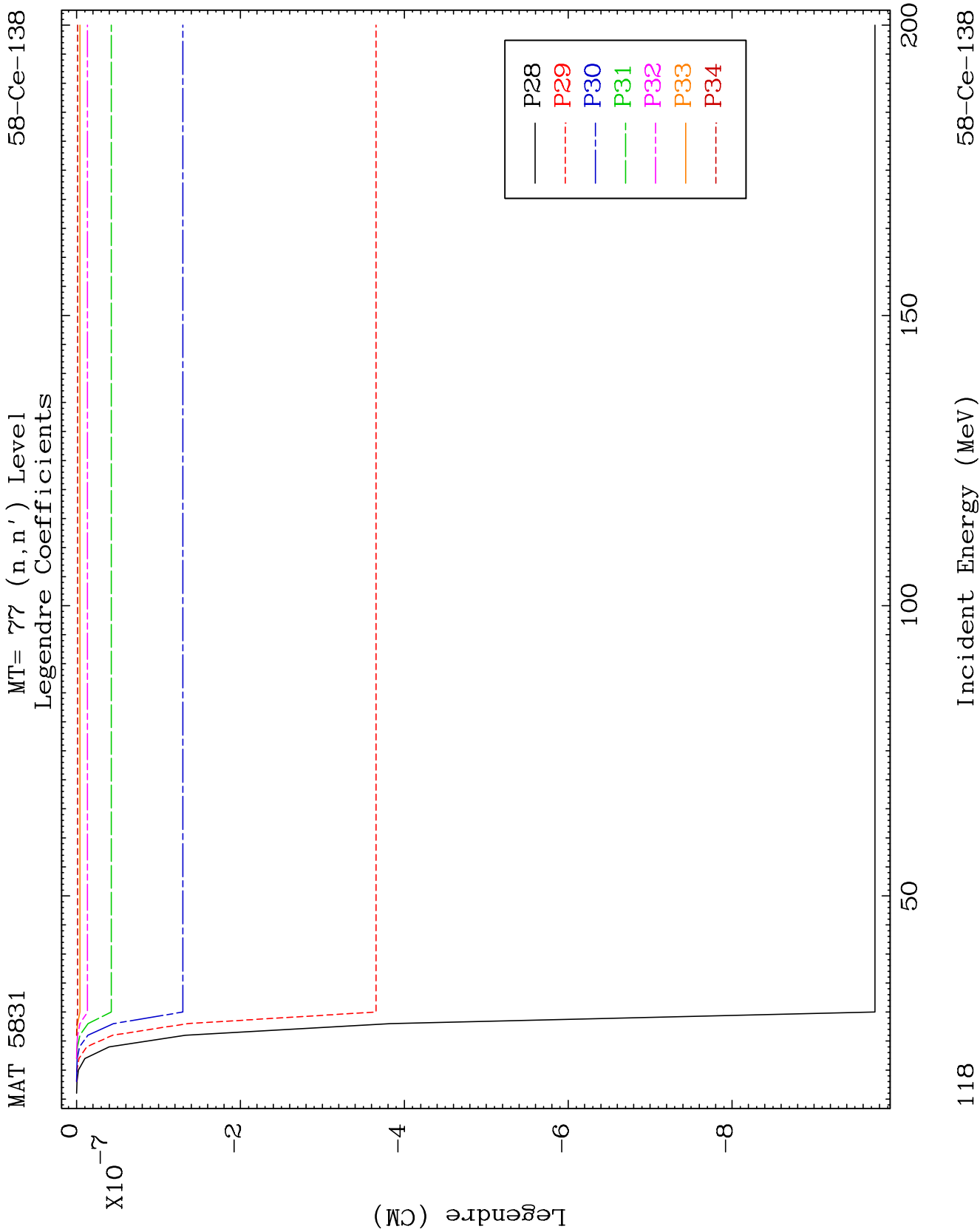
MAT 5831

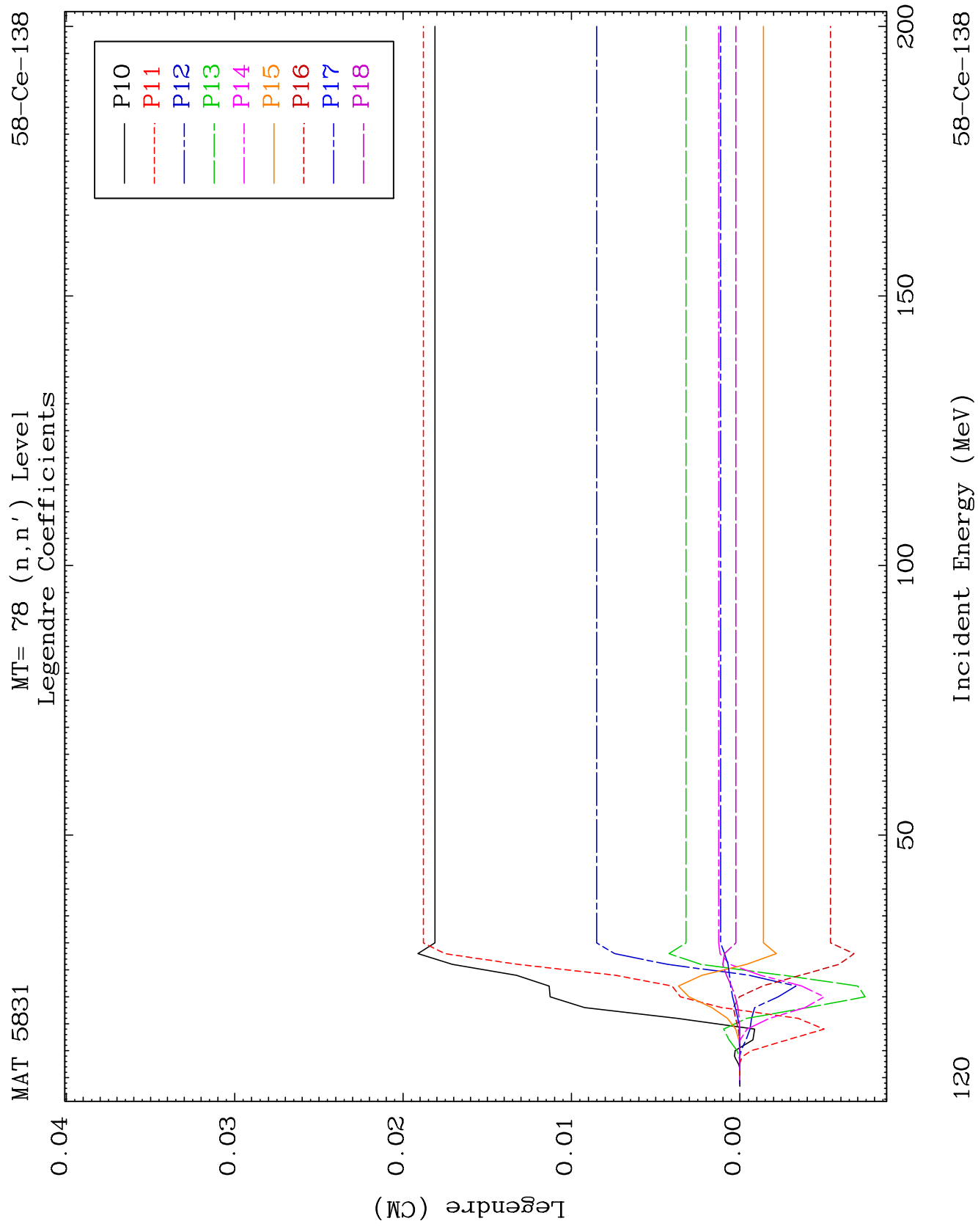
MT= 77 (n, n') Level
Legendre Coefficients

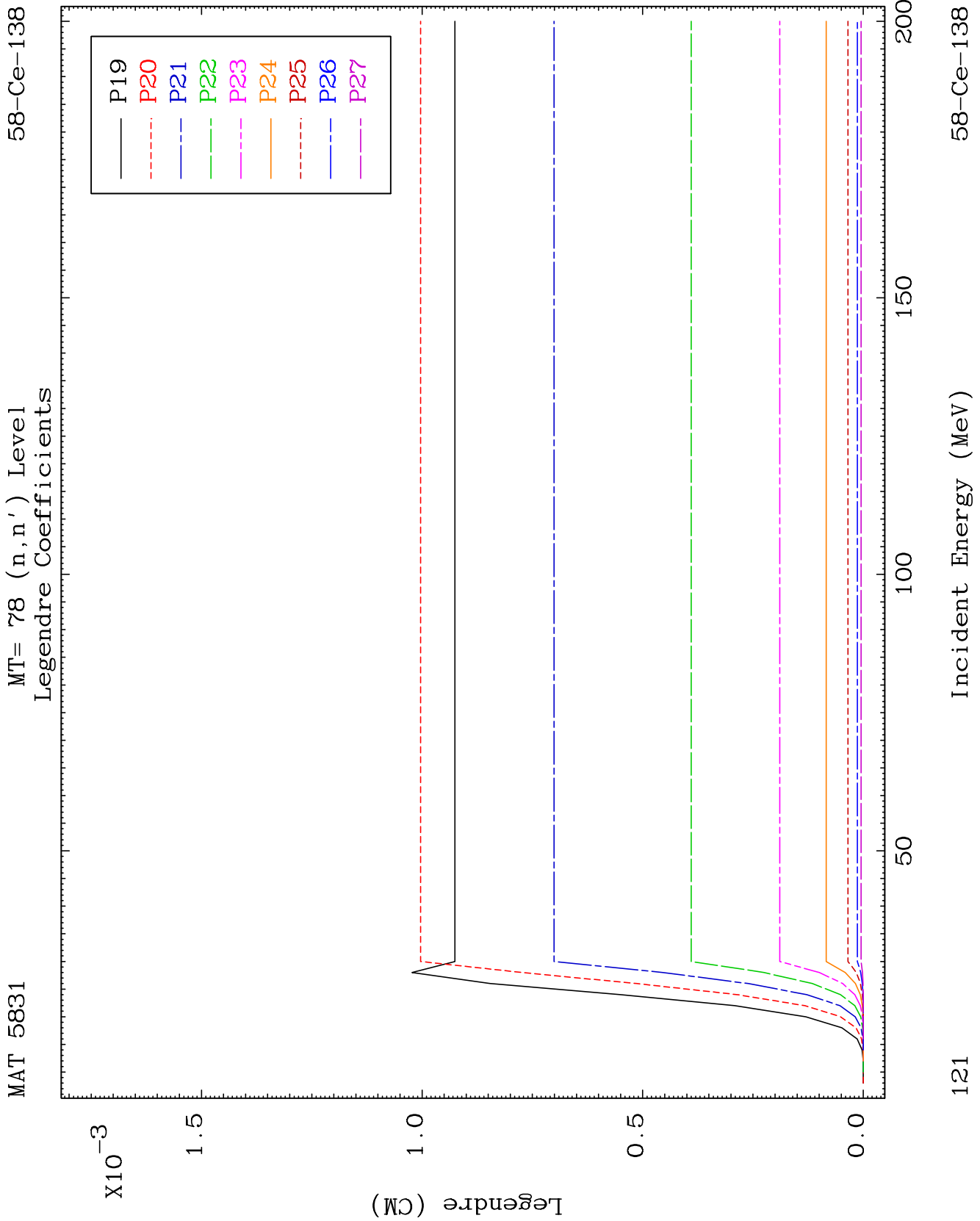
58-Ce-138







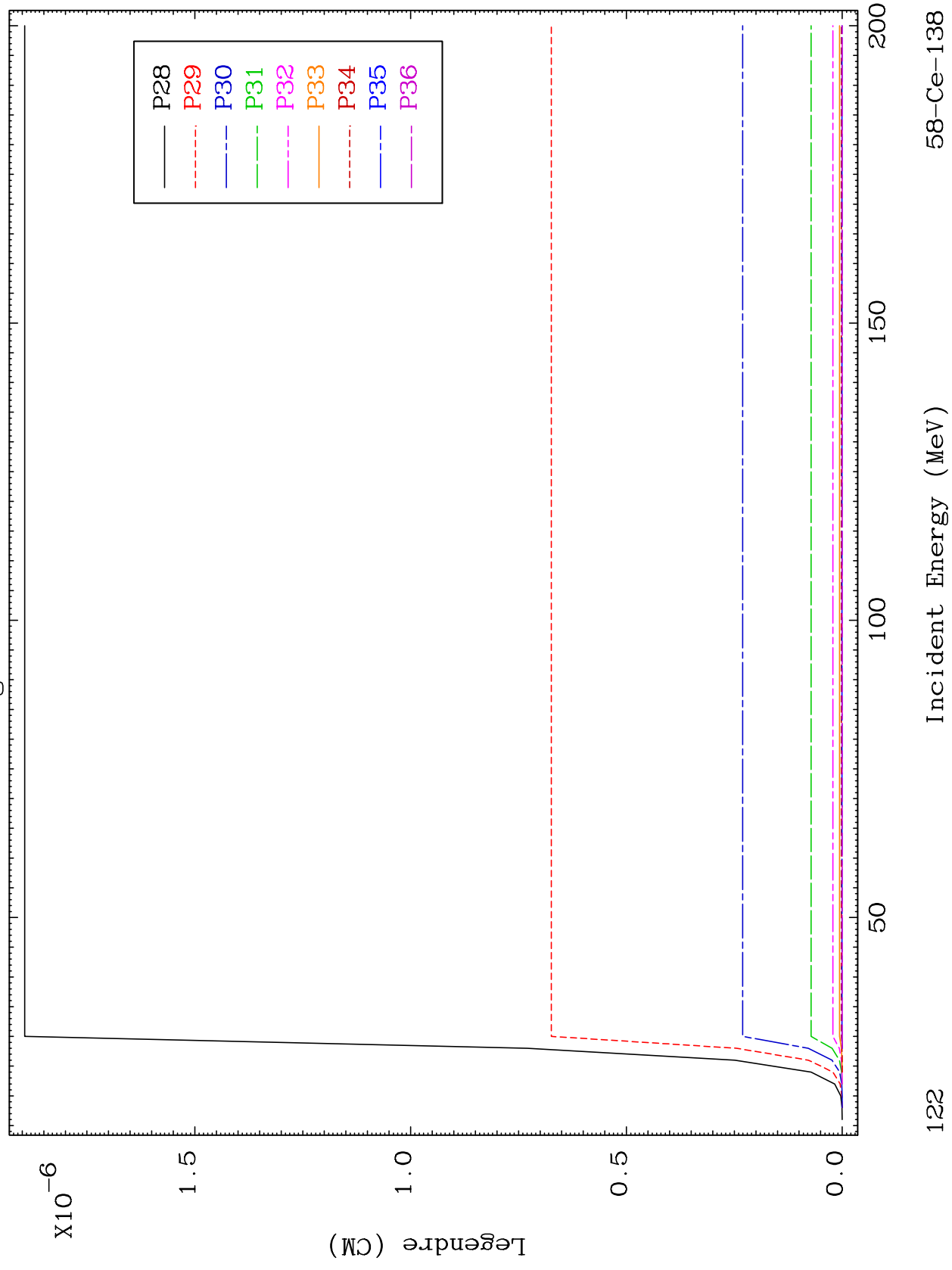




MAT 5831

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

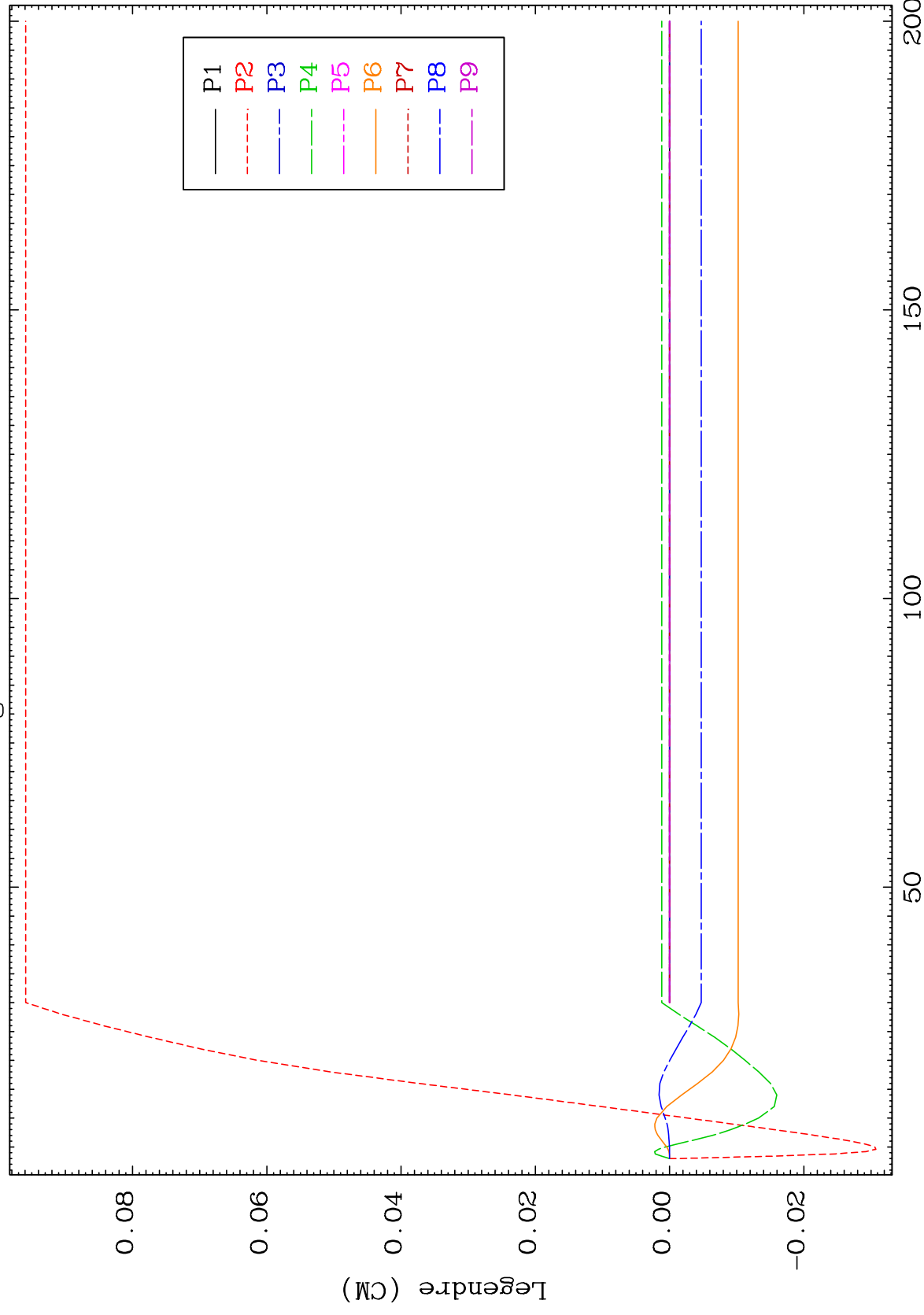
58-Ce-138



MAT 5831

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

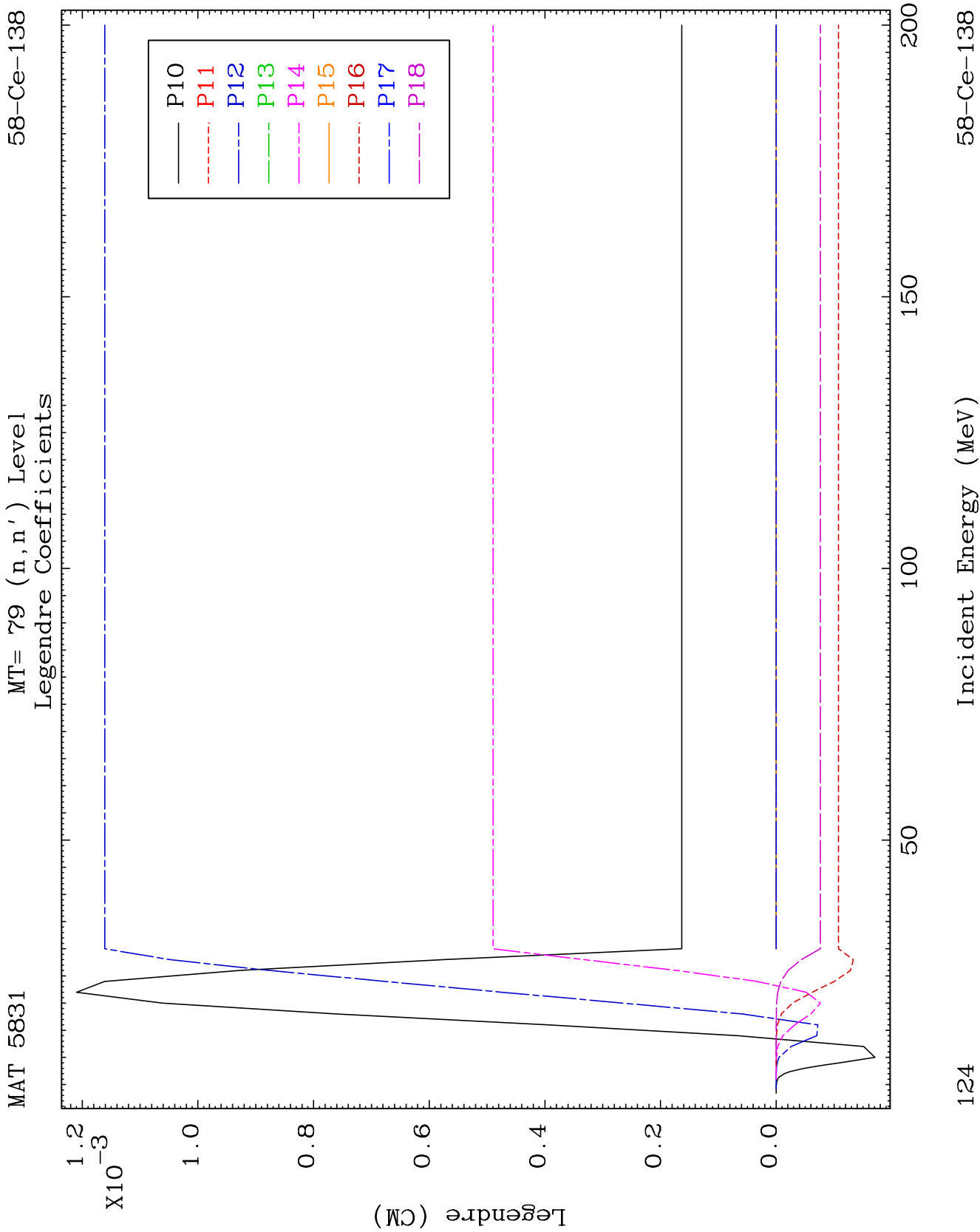
58-Ce-138

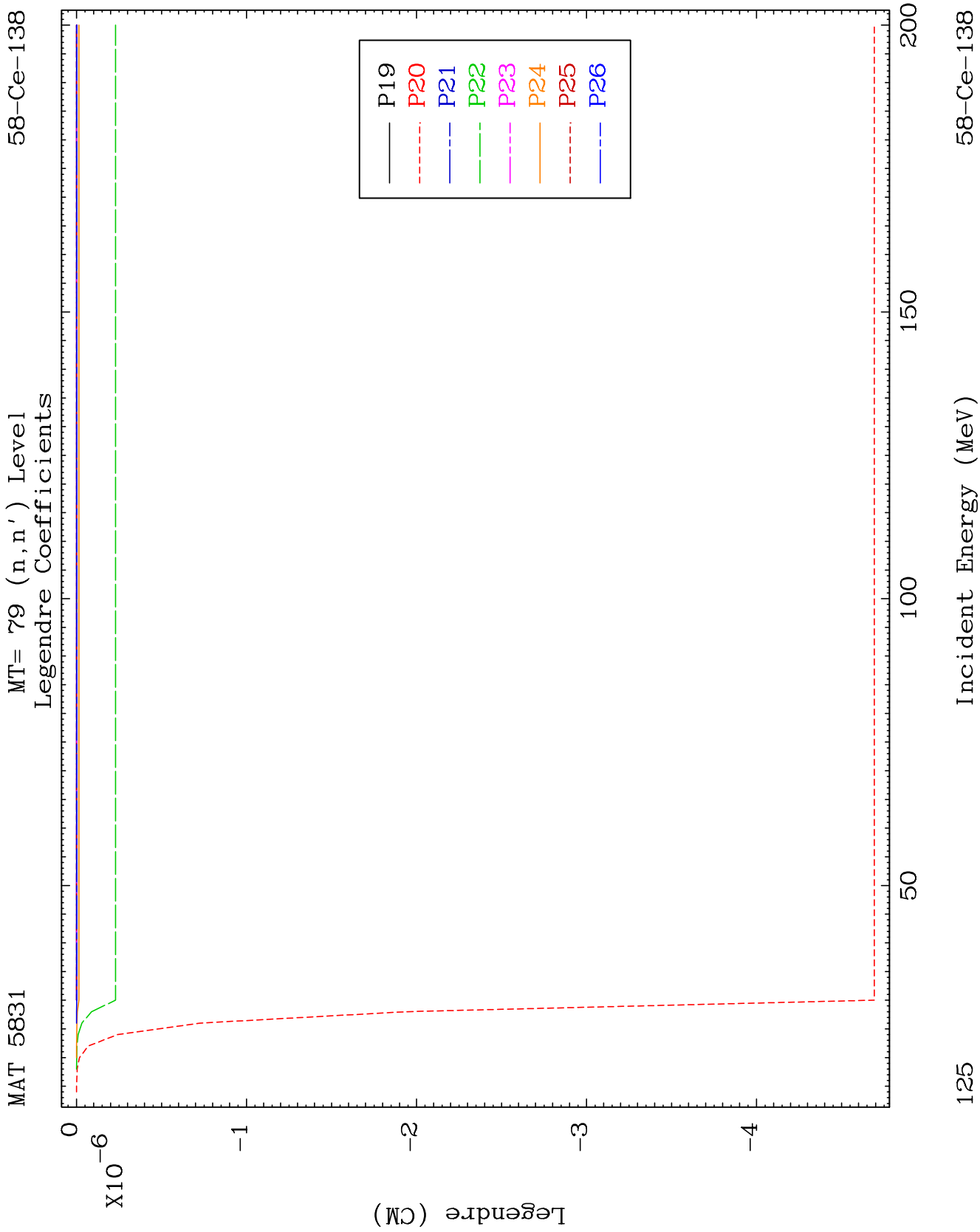


123

Incident Energy (MeV)

58-Ce-138

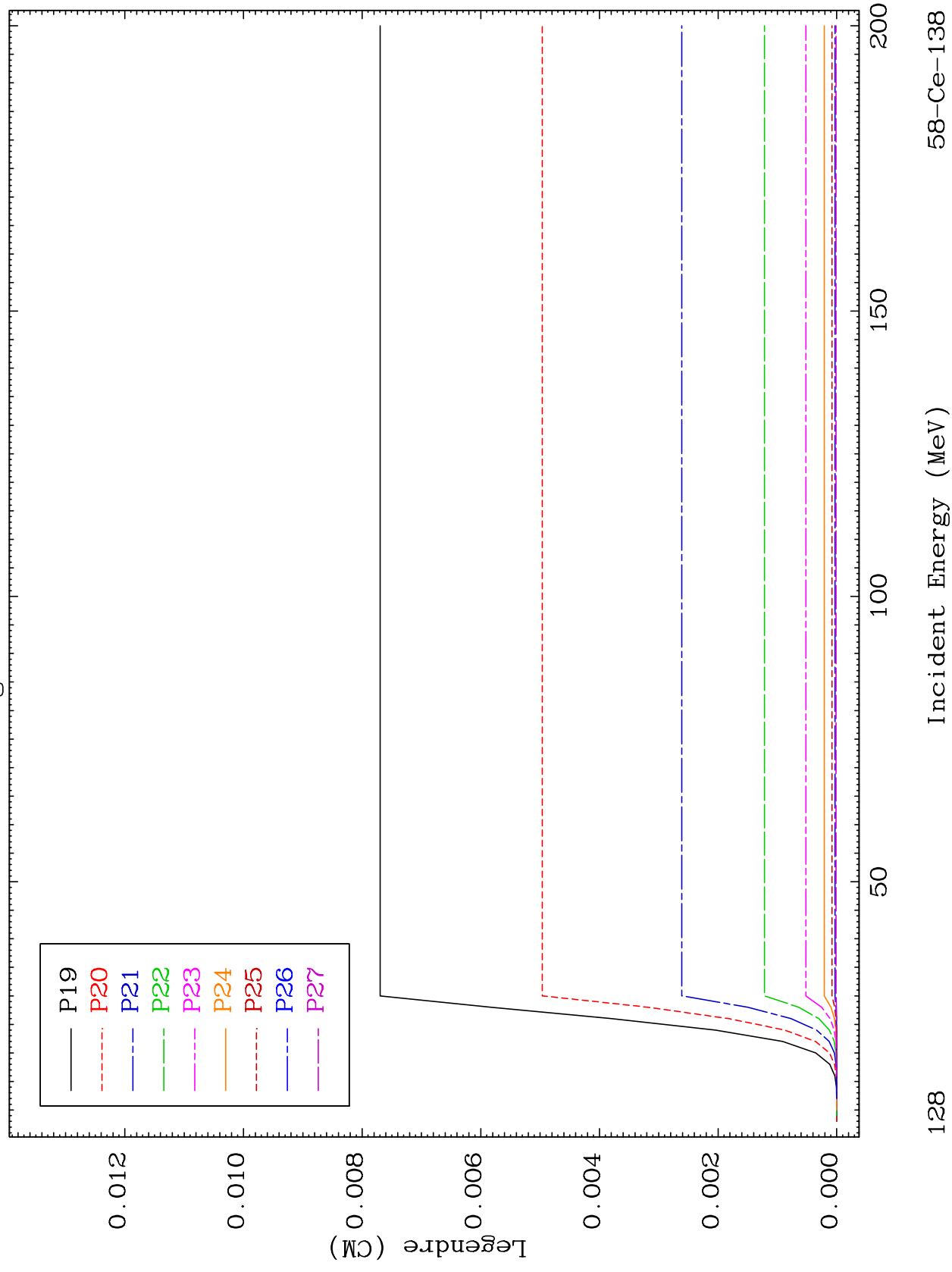


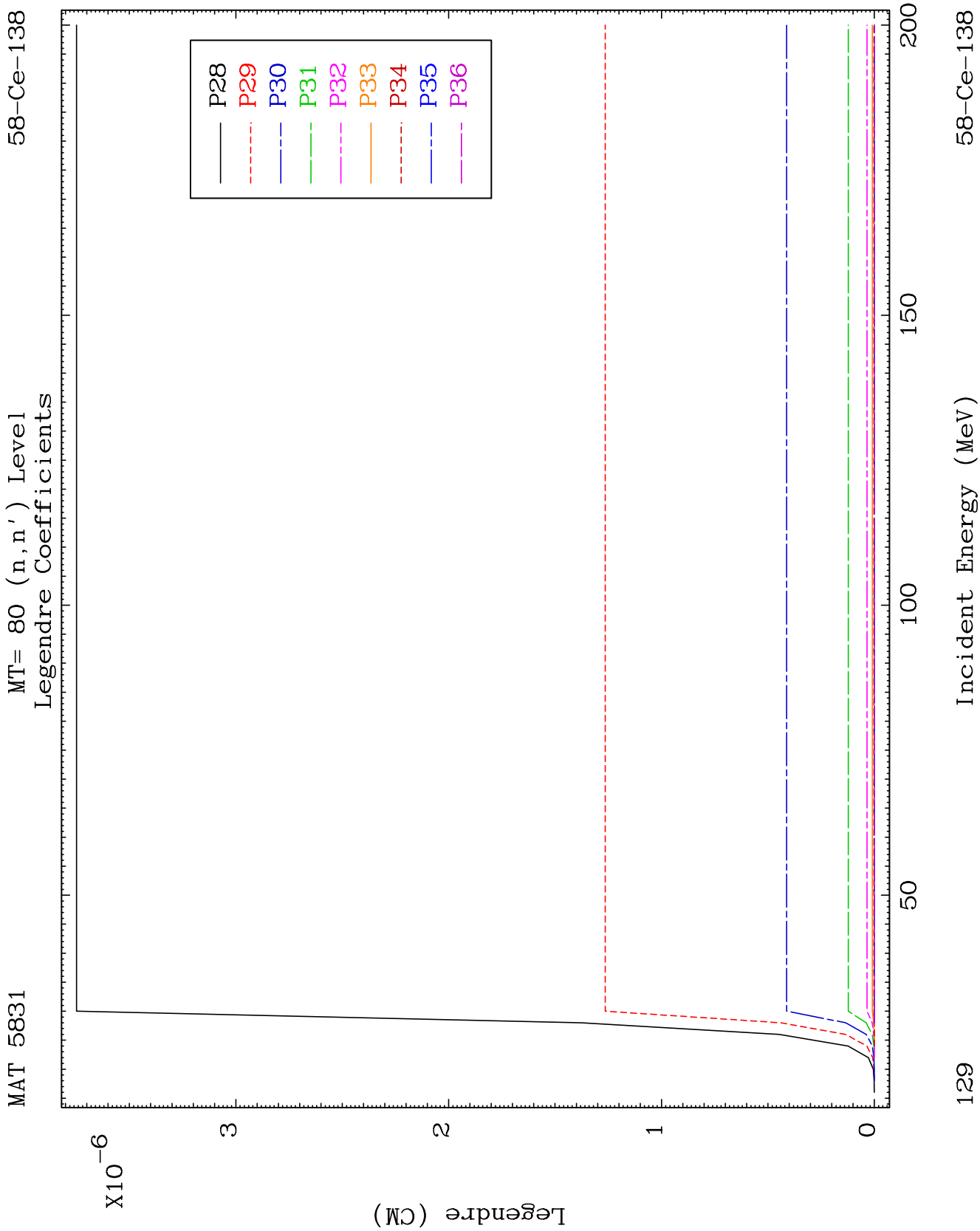


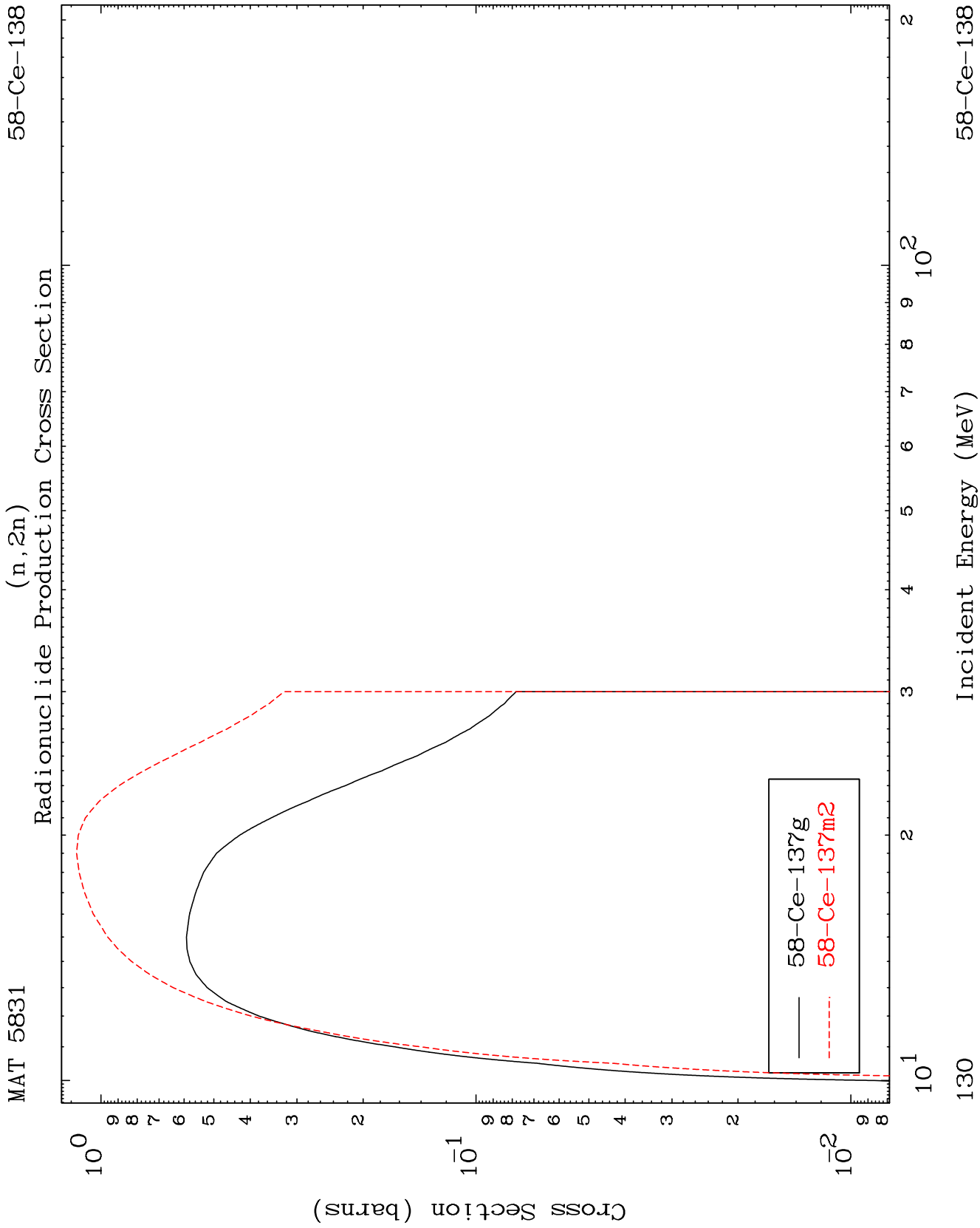
MAT 5831

MT= 80 (n, n') Level
Legendre Coefficients

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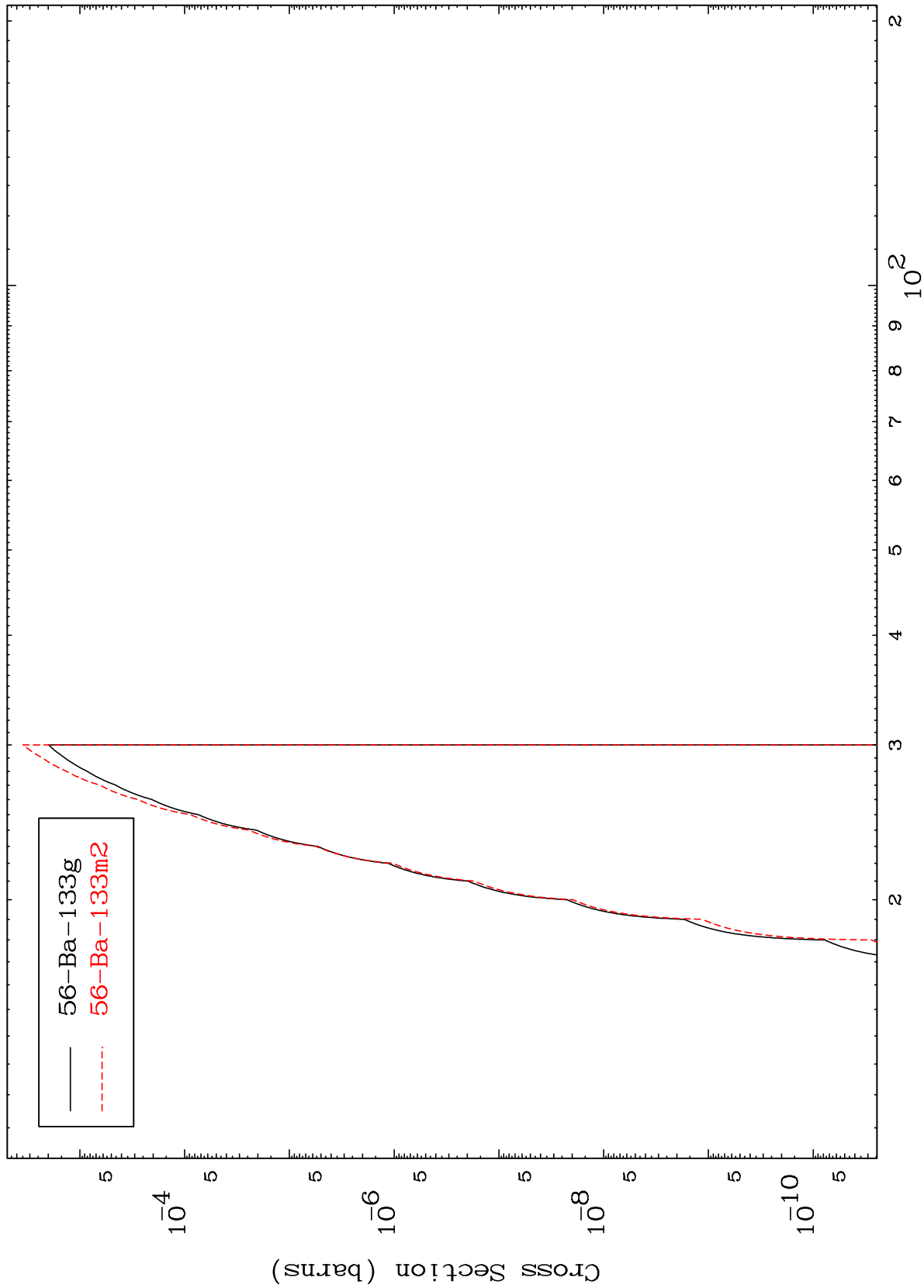




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58-Ce-138

Radionuclide Production Cross Section
(n,2n) α



131

Incident Energy (MeV)

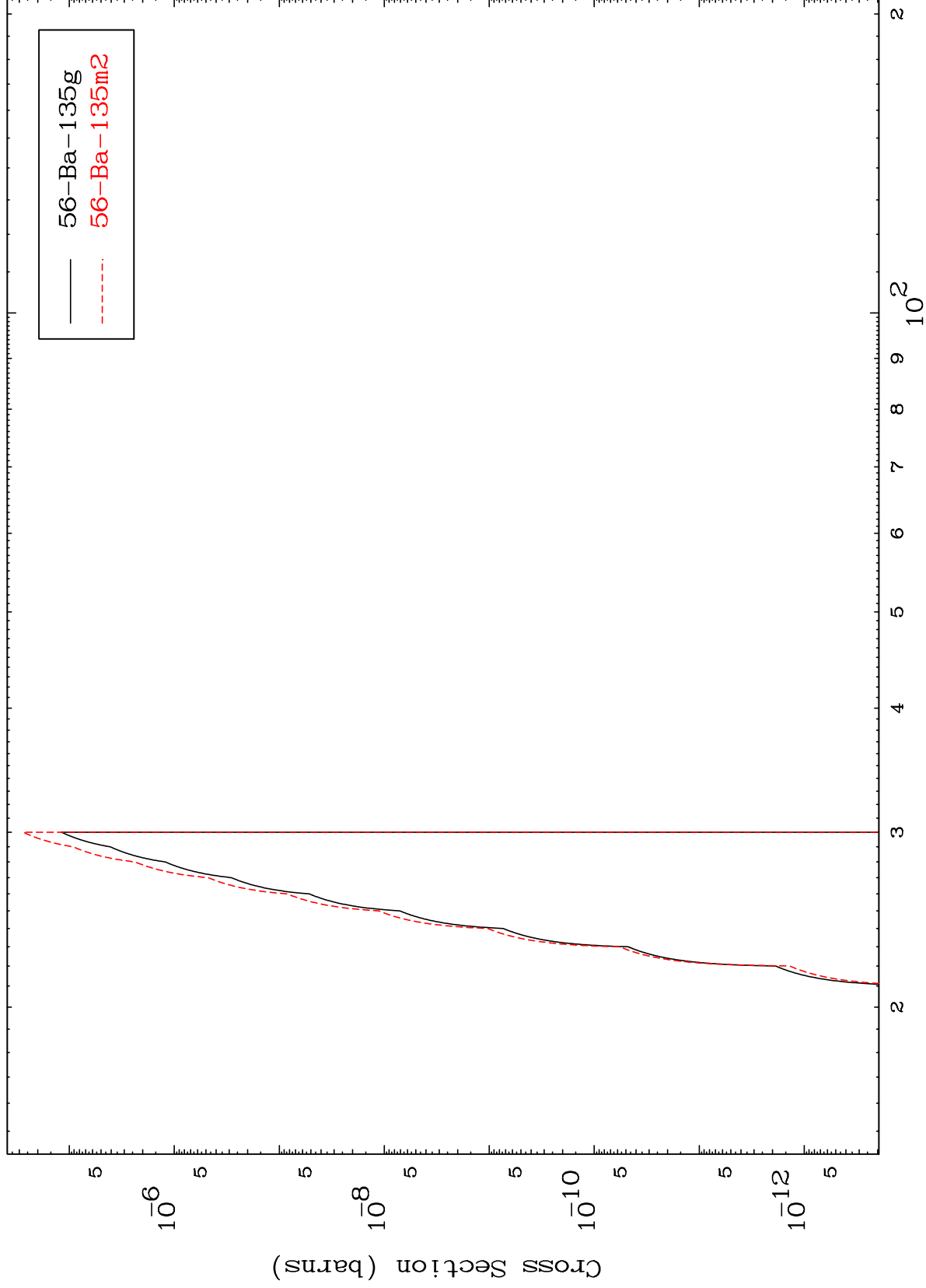
58-Ce-138

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(n,n') He-3

58-Ce-138

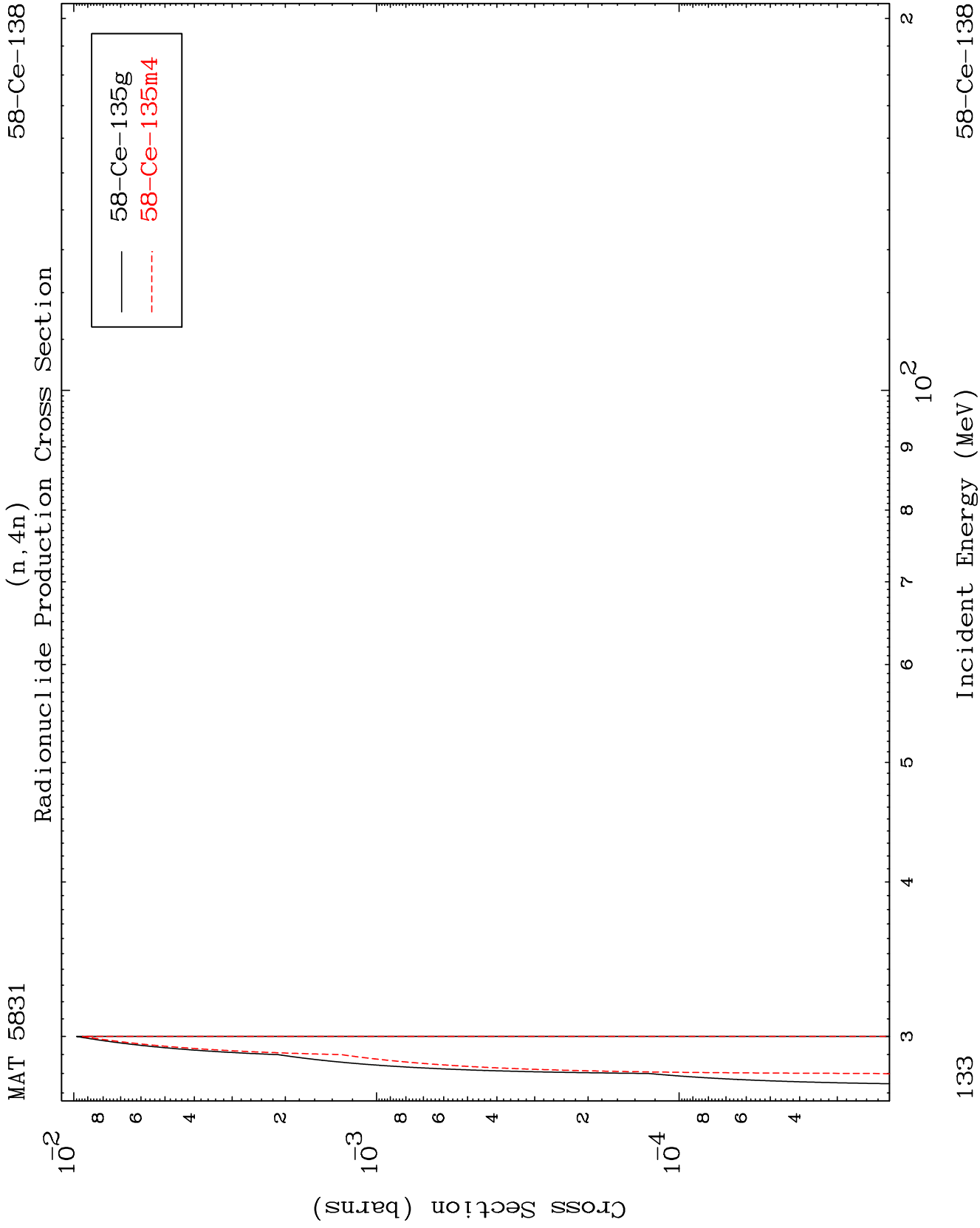
Radionuclide Production Cross Section

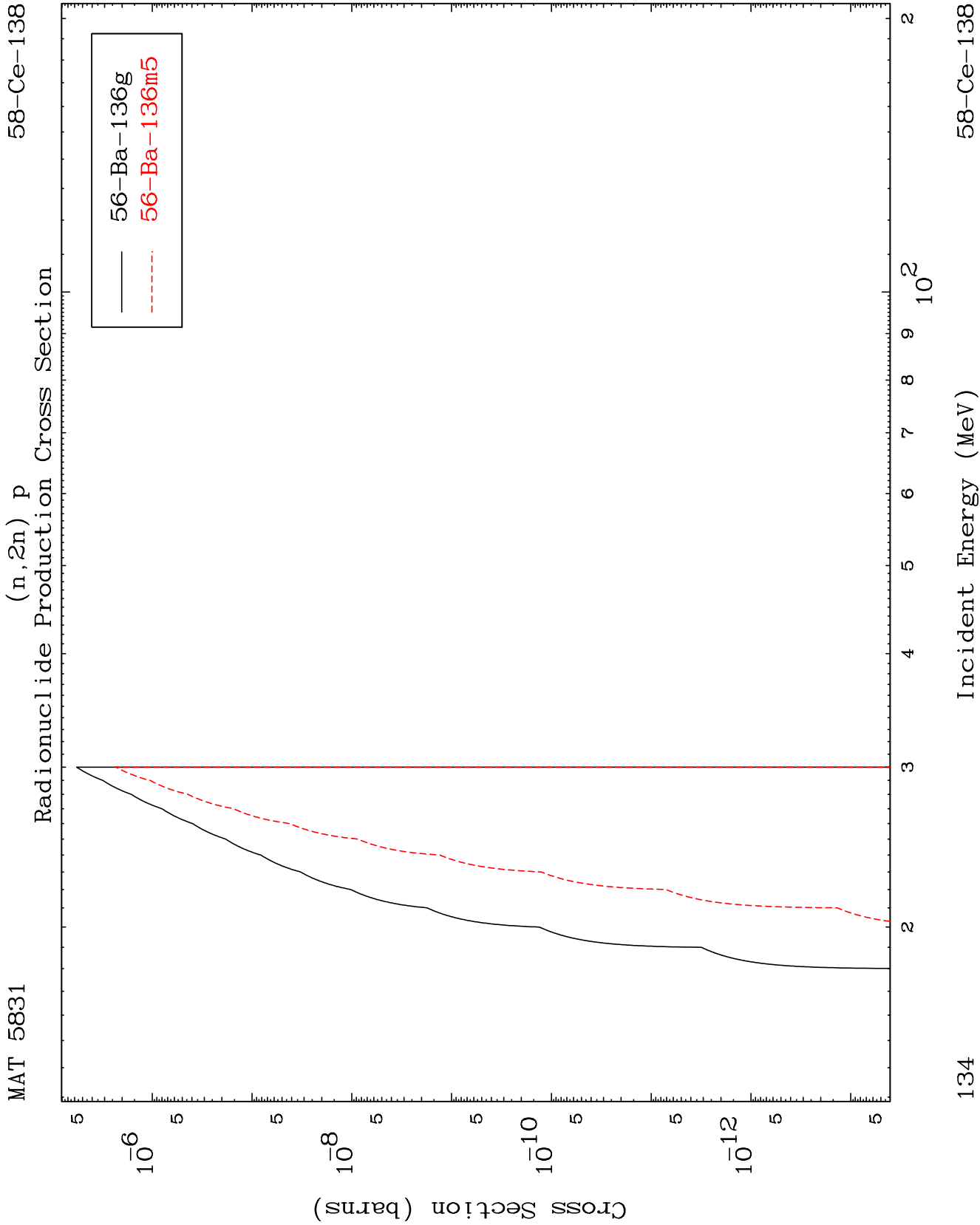


132

Incident Energy (MeV)

58-Ce-138

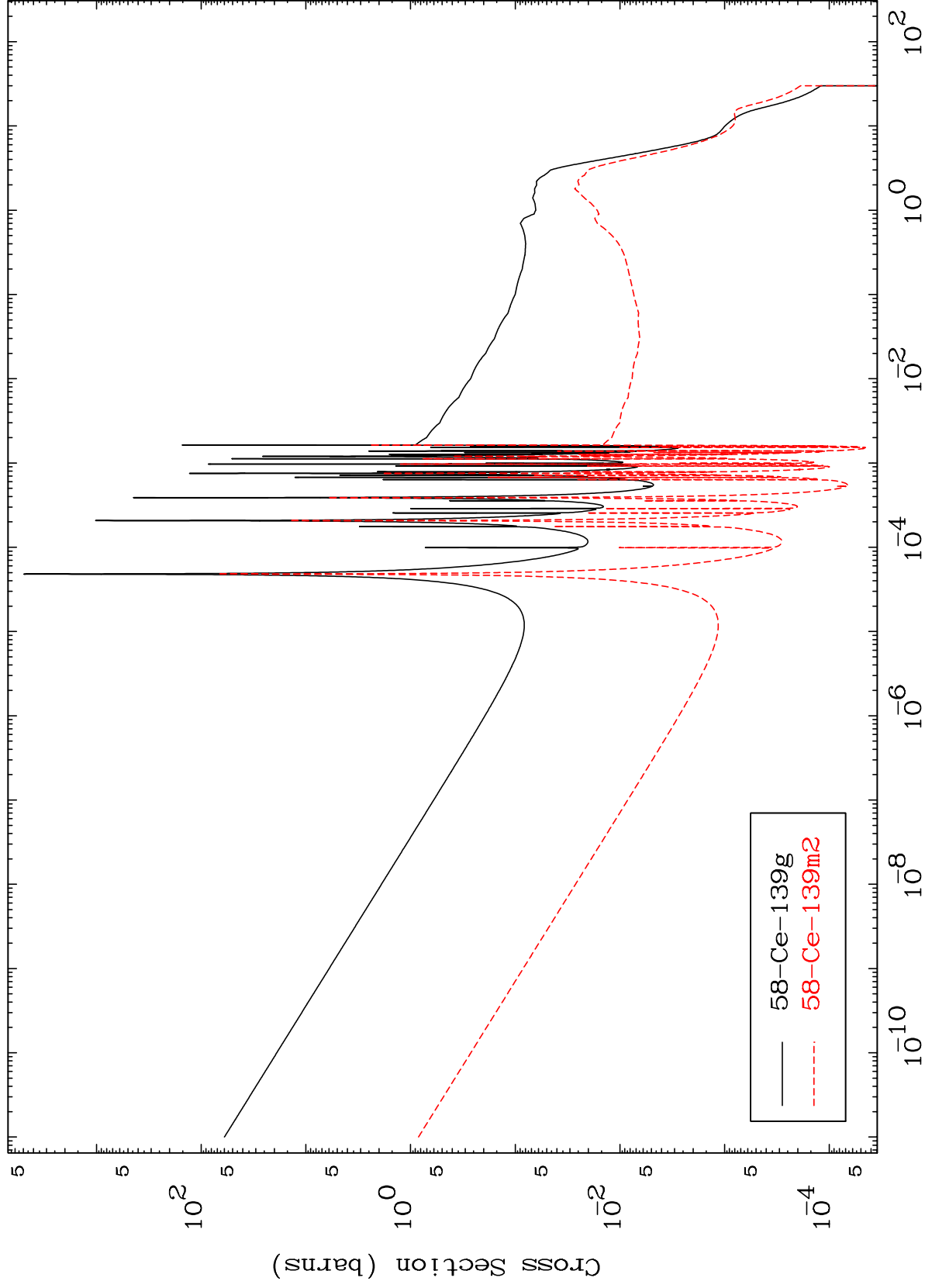




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(n,γ)
Radionuclide Production Cross Section



58-Ce-138

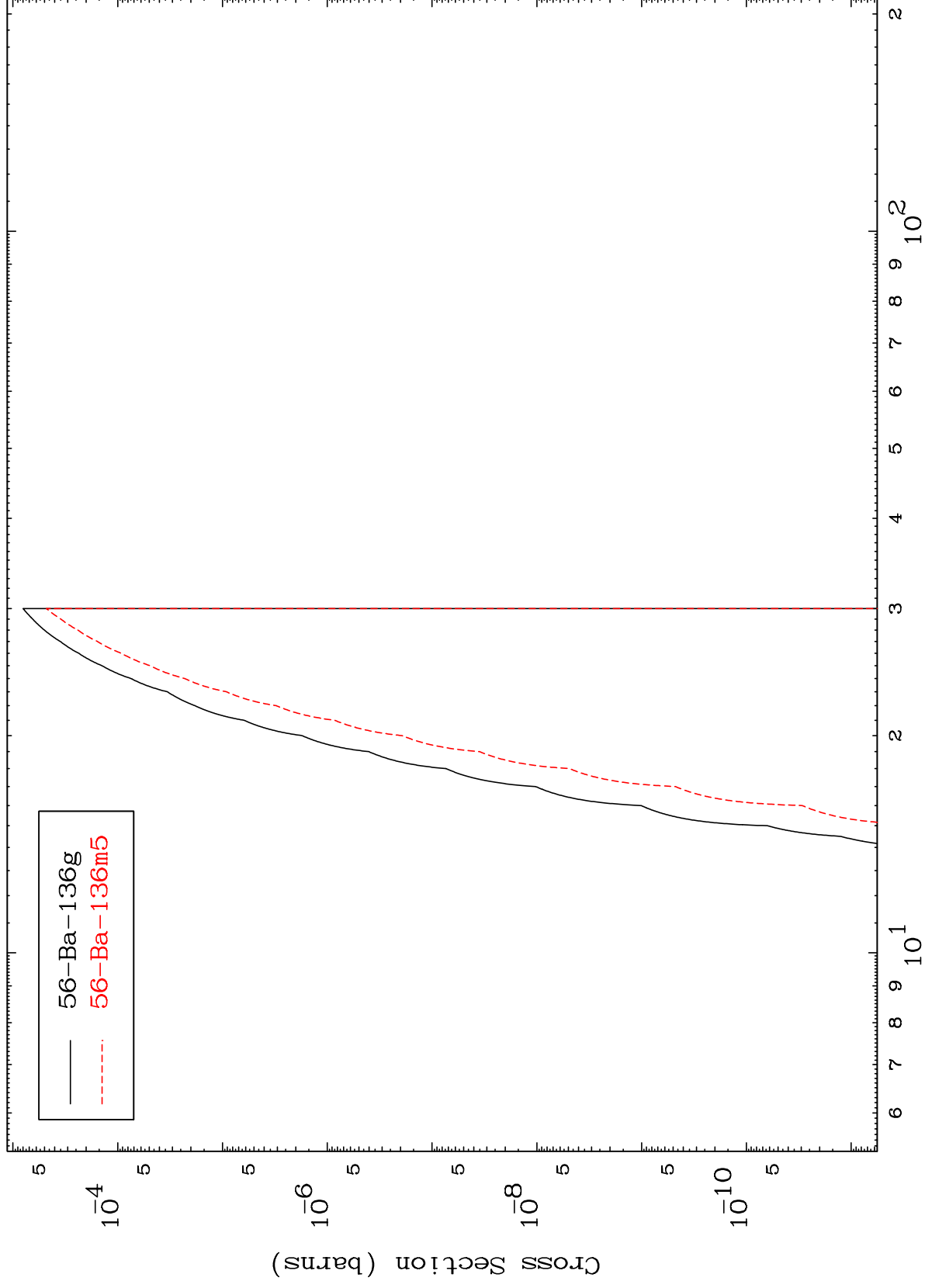
Incident Energy (MeV)

135

MAT 5831

58-Ce-138

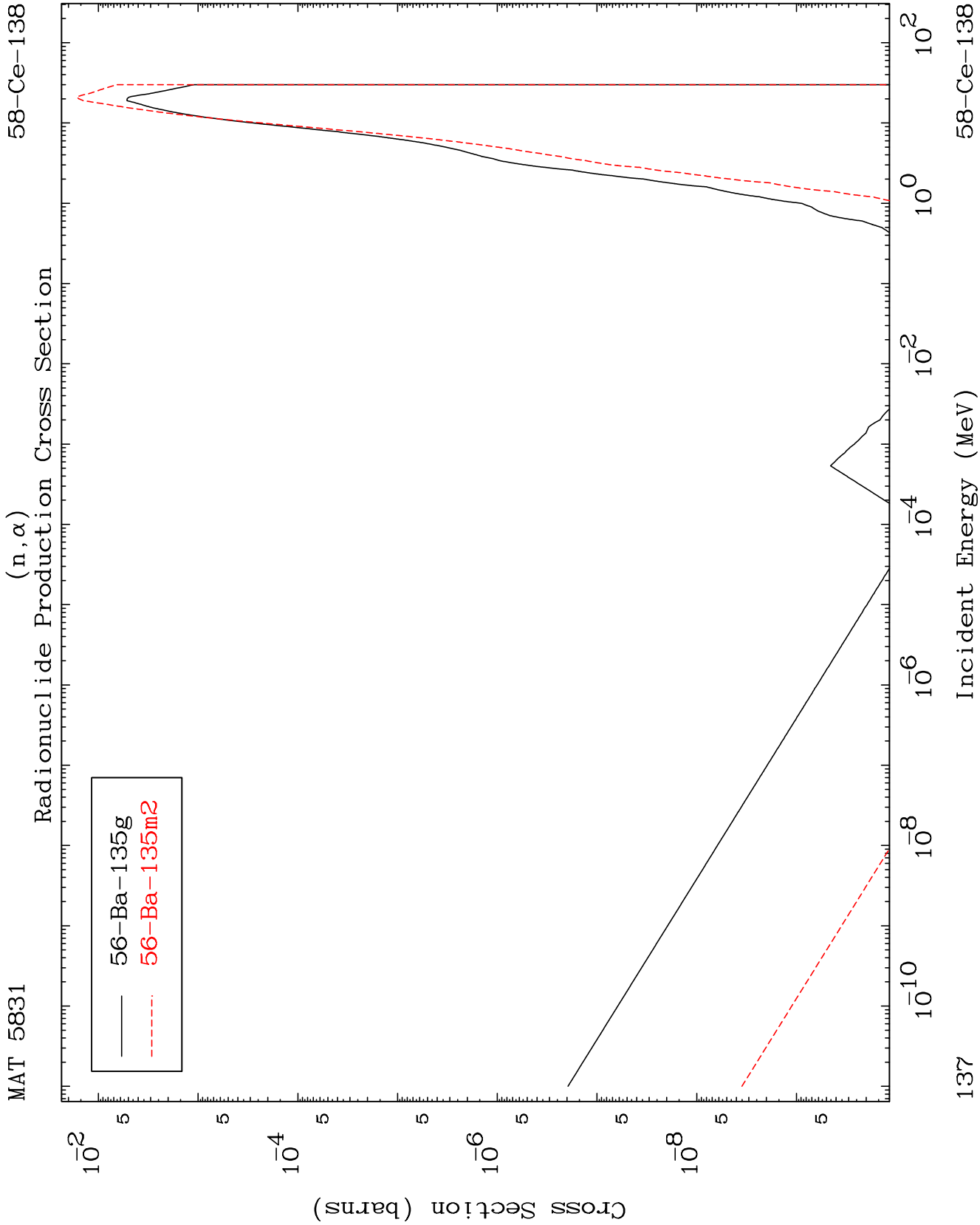
Radionuclide Production Cross Section

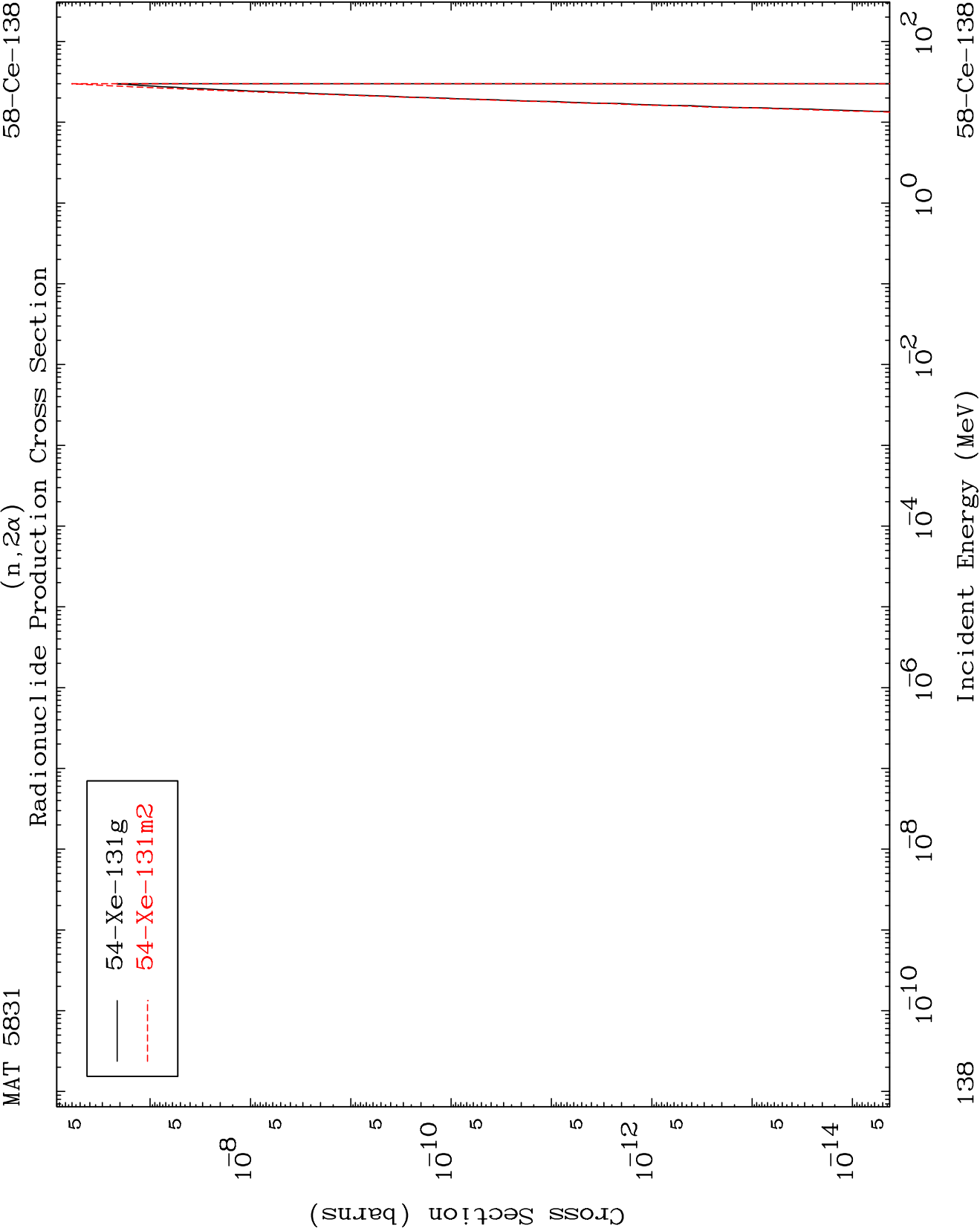


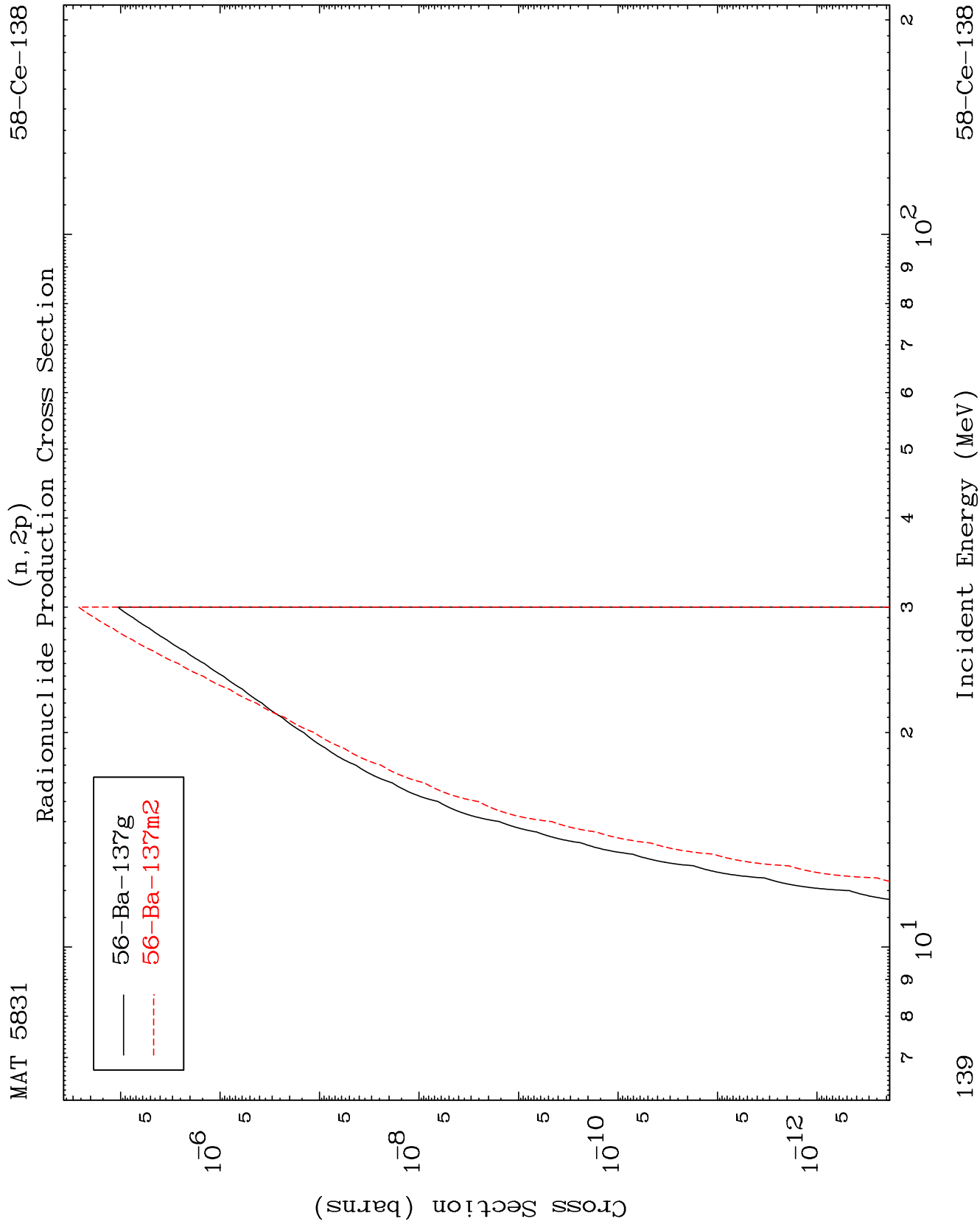
58-Ce-138

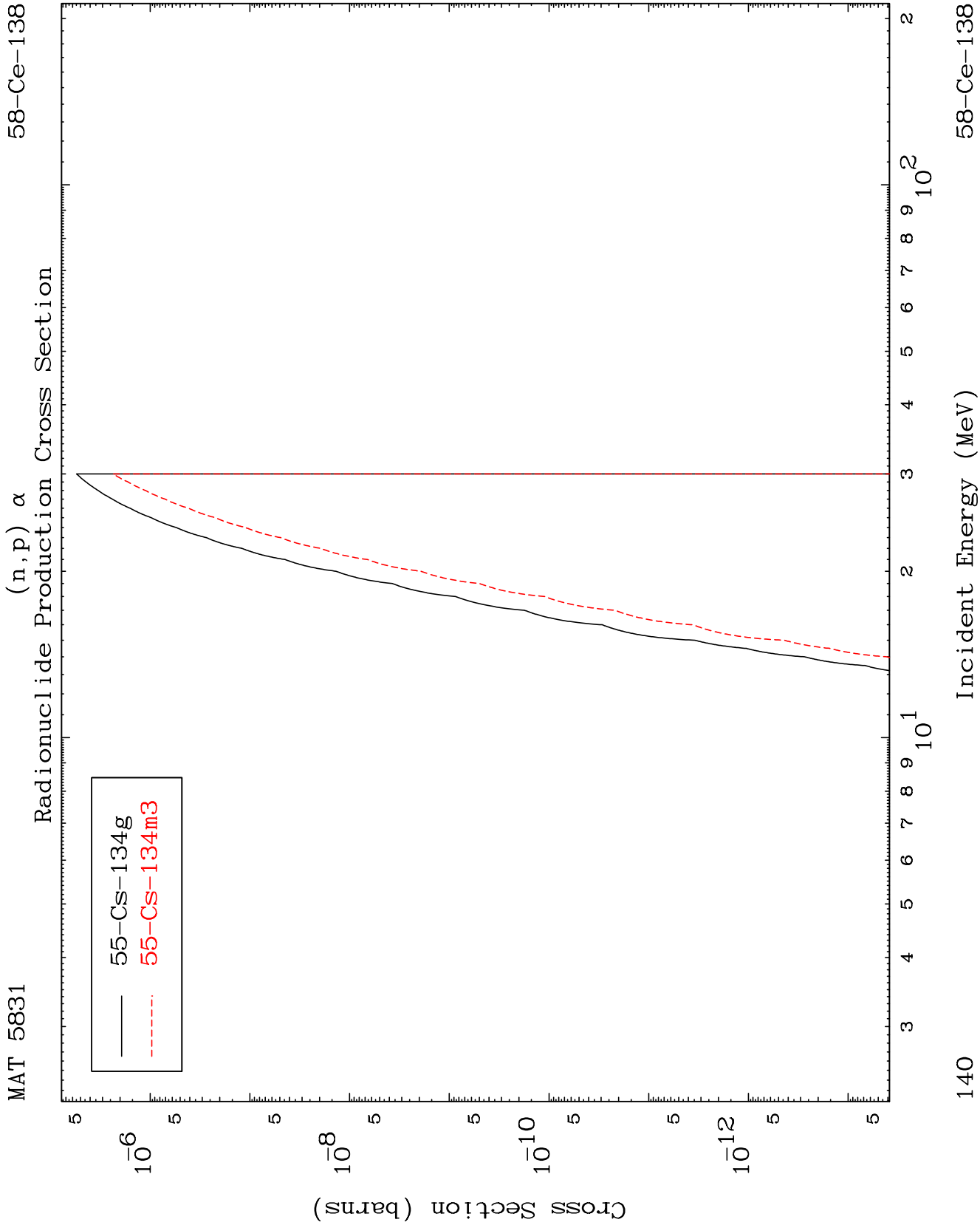
Incident Energy (MeV)

136







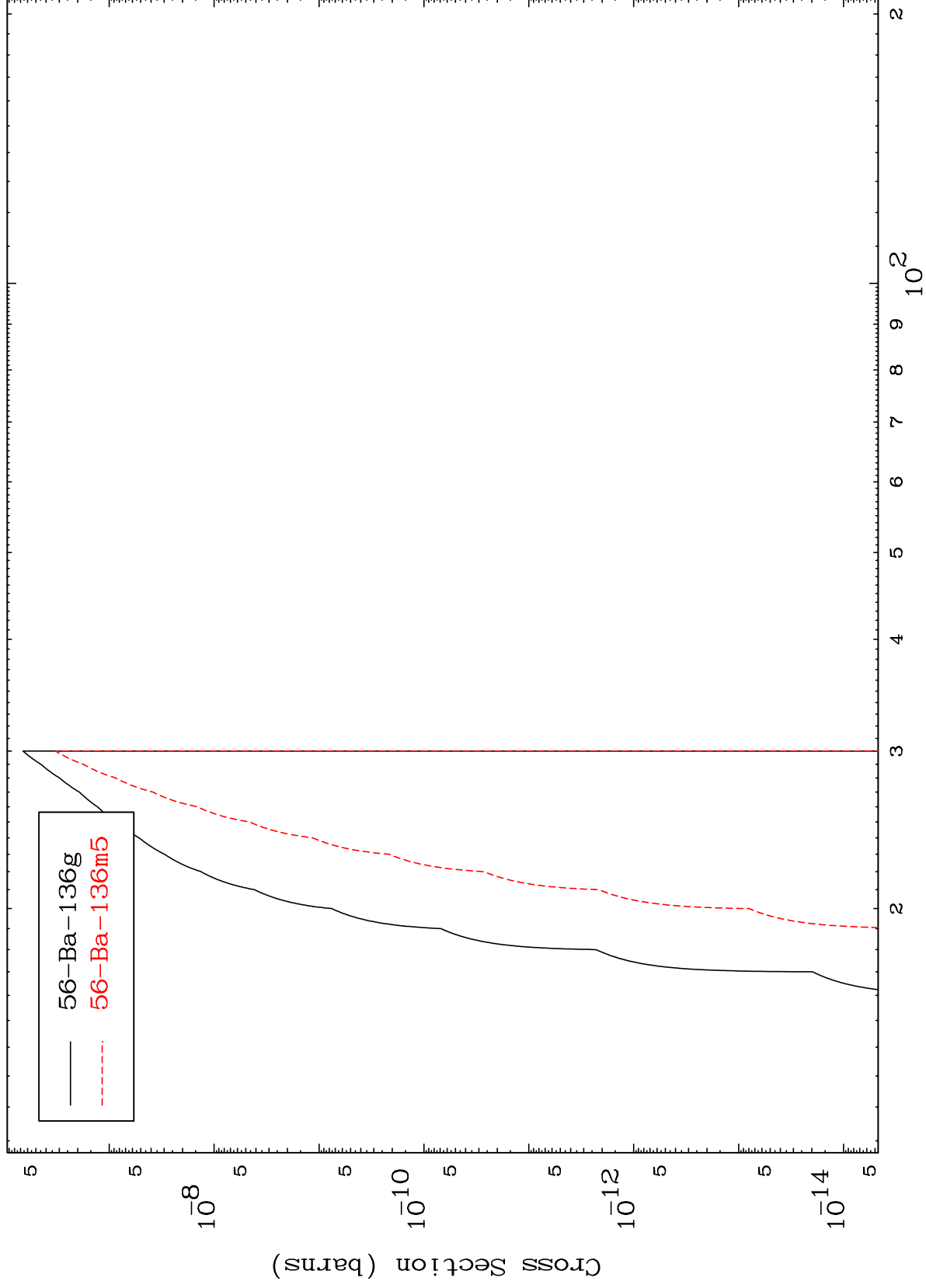


MAT 5831

(n,p) d

58-Ce-138

Radionuclide Production Cross Section



141

Incident Energy (MeV)

58-Ce-138

(n,p) t
Radionuclide Production Cross Section