

Program EVALPLOT
(Version 2021-1)

by

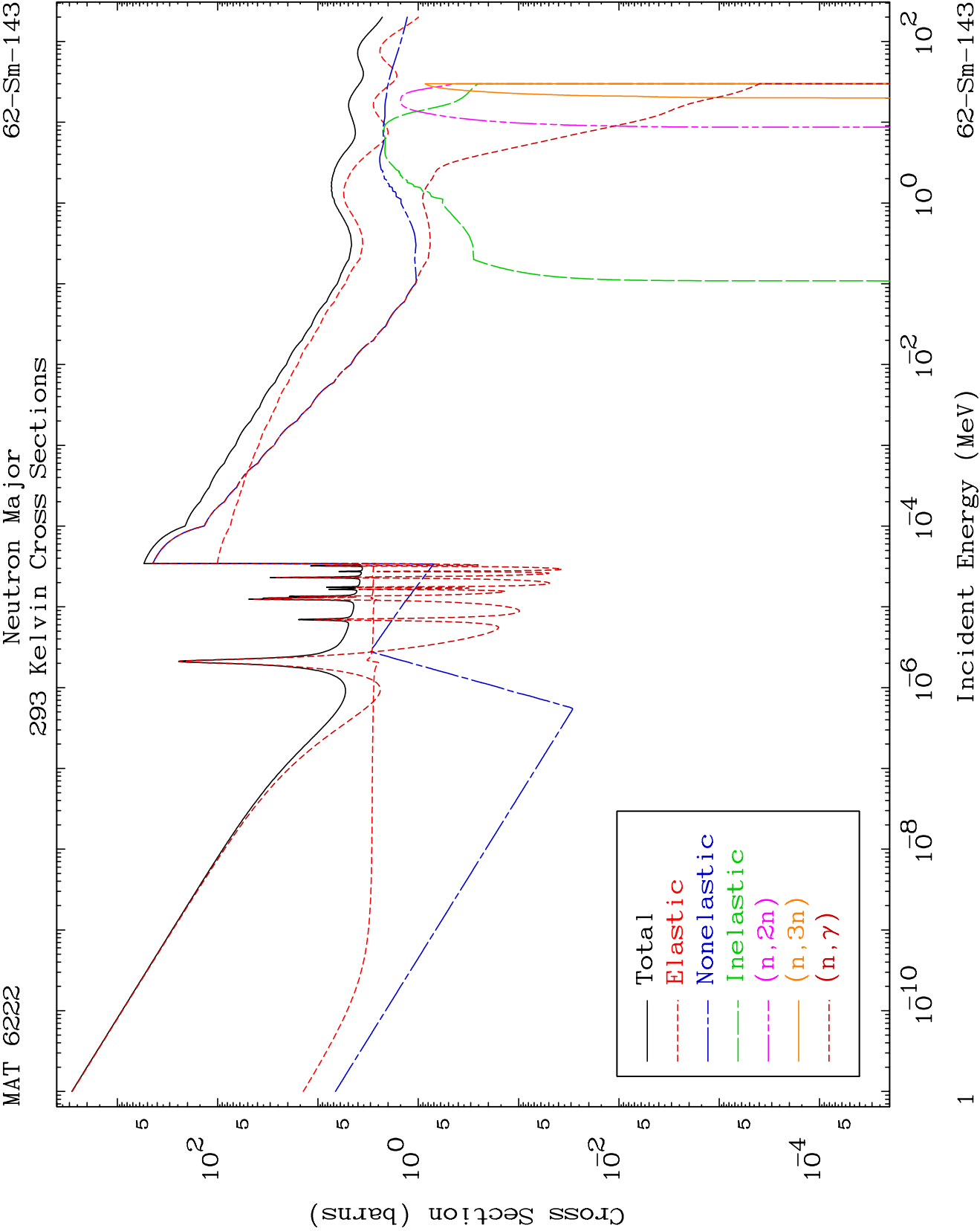
Dermott E. Cullen
(Present Contact Information)

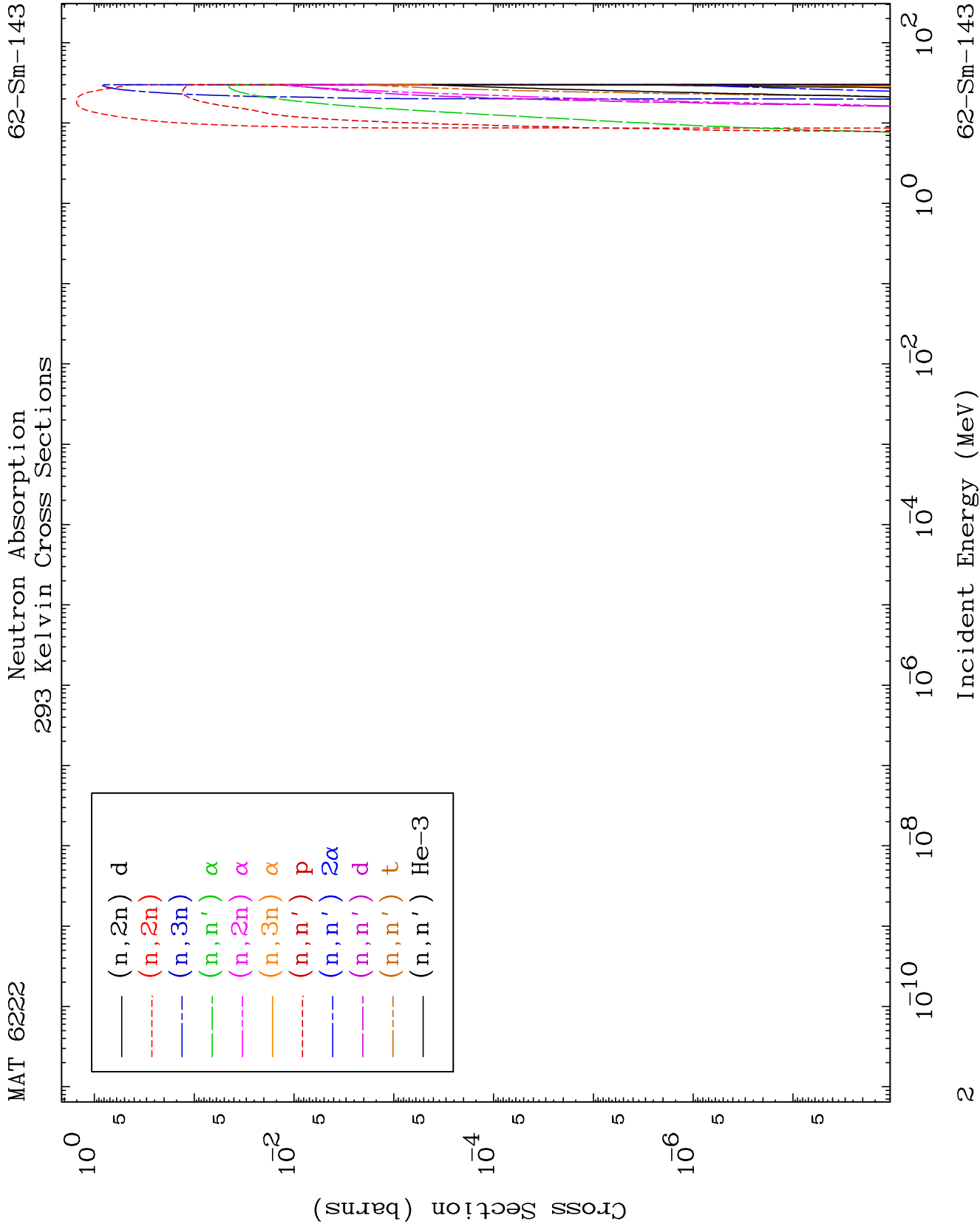
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

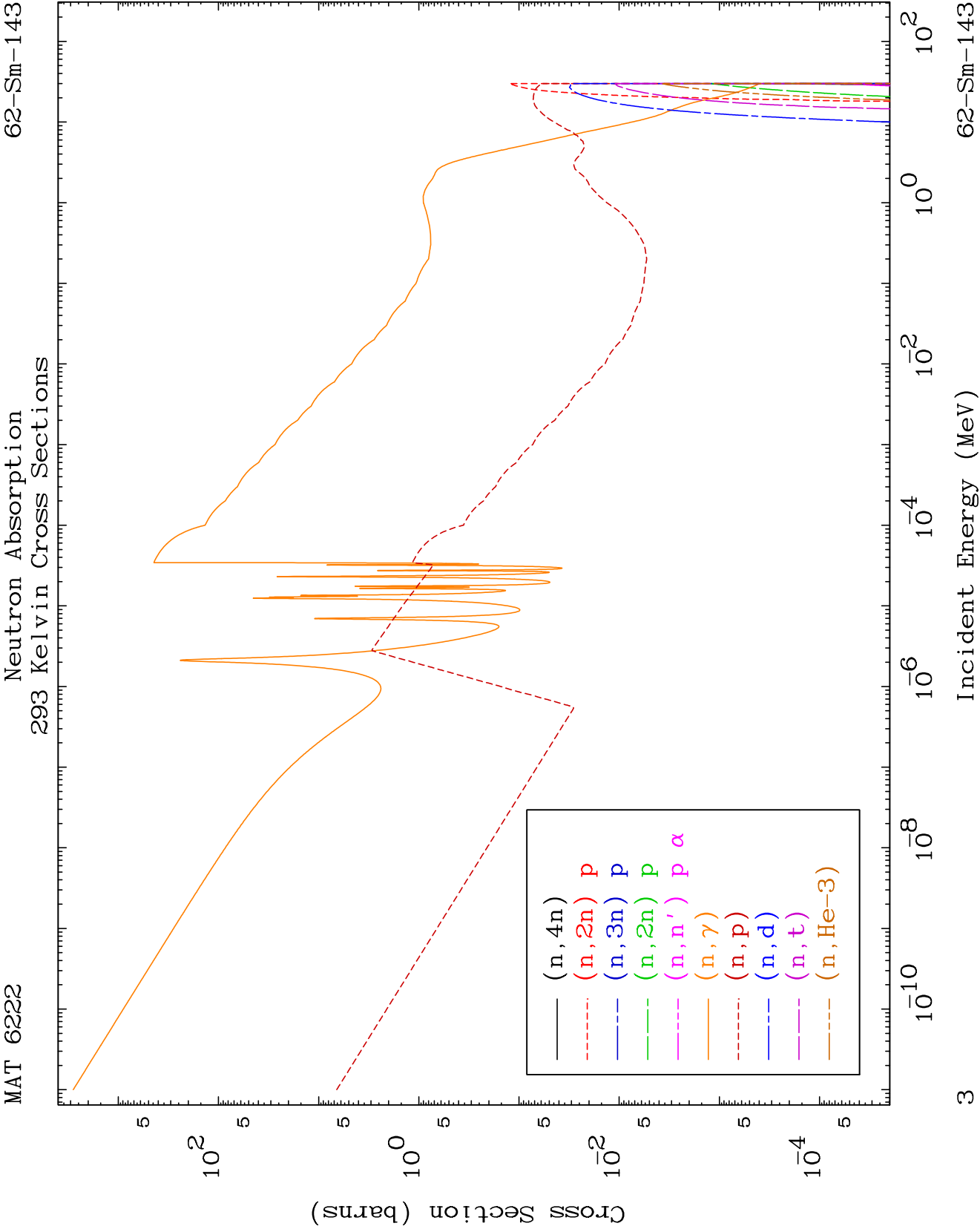
Tele: 925-443-1911

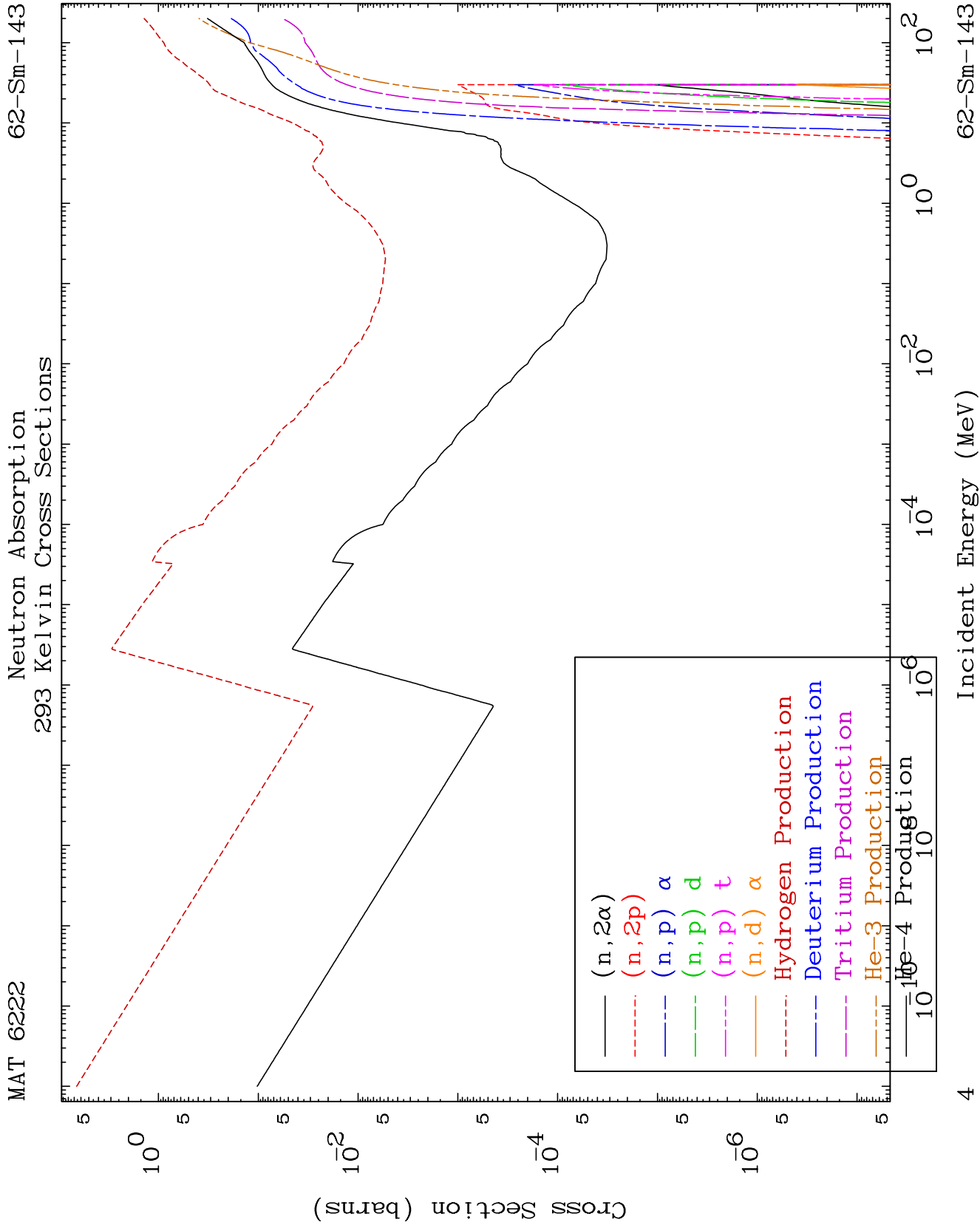
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

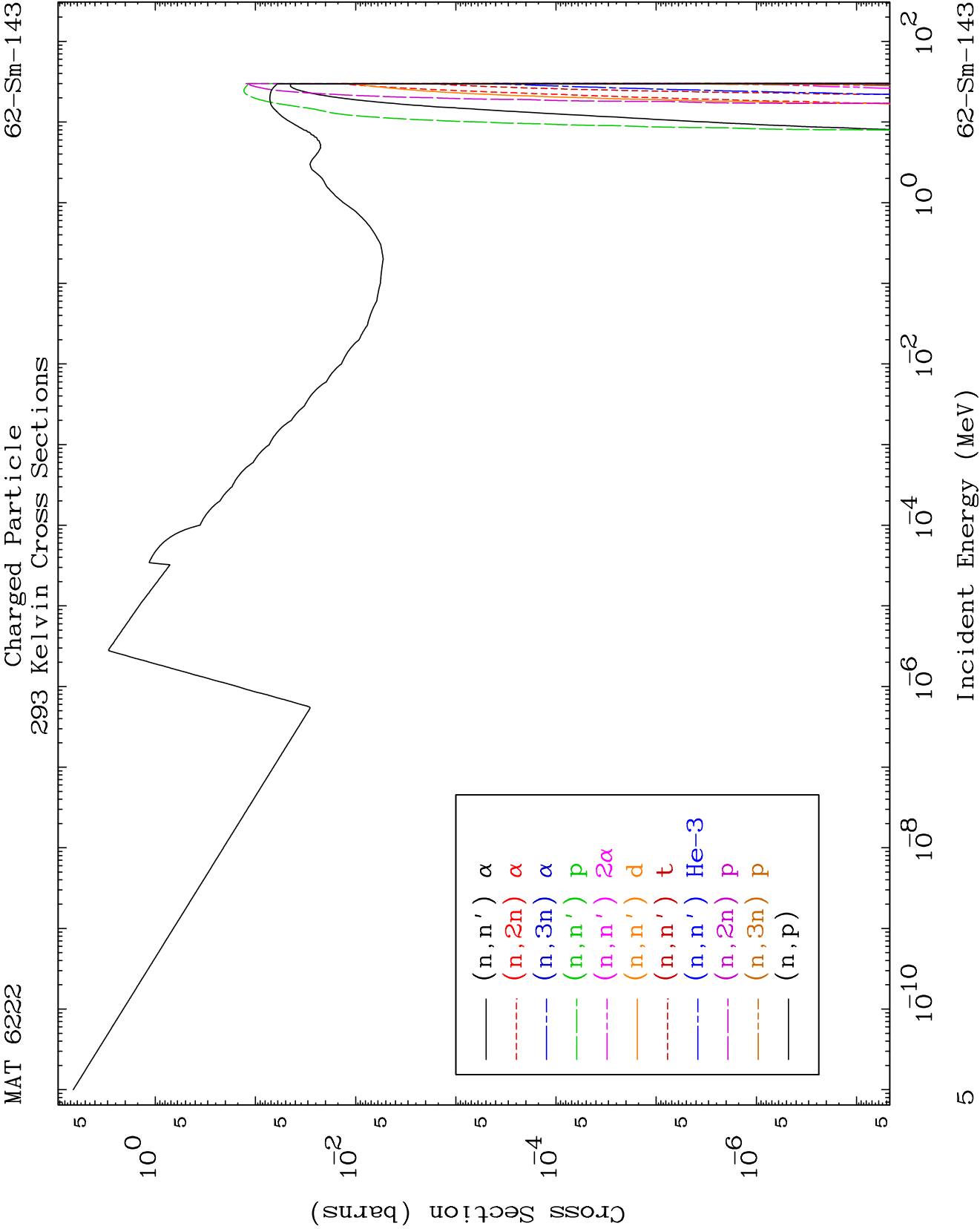
Press Mouse Button to Start

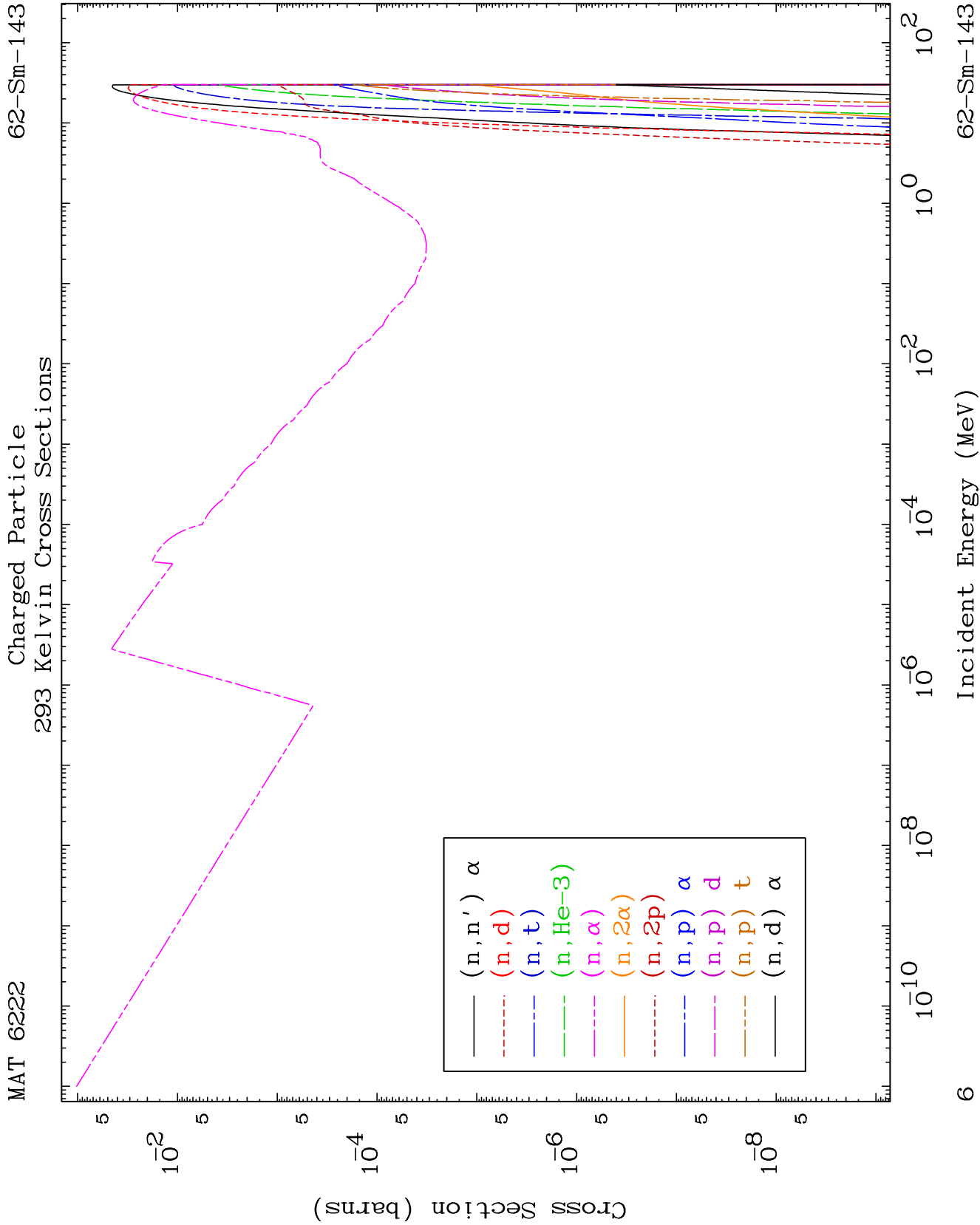


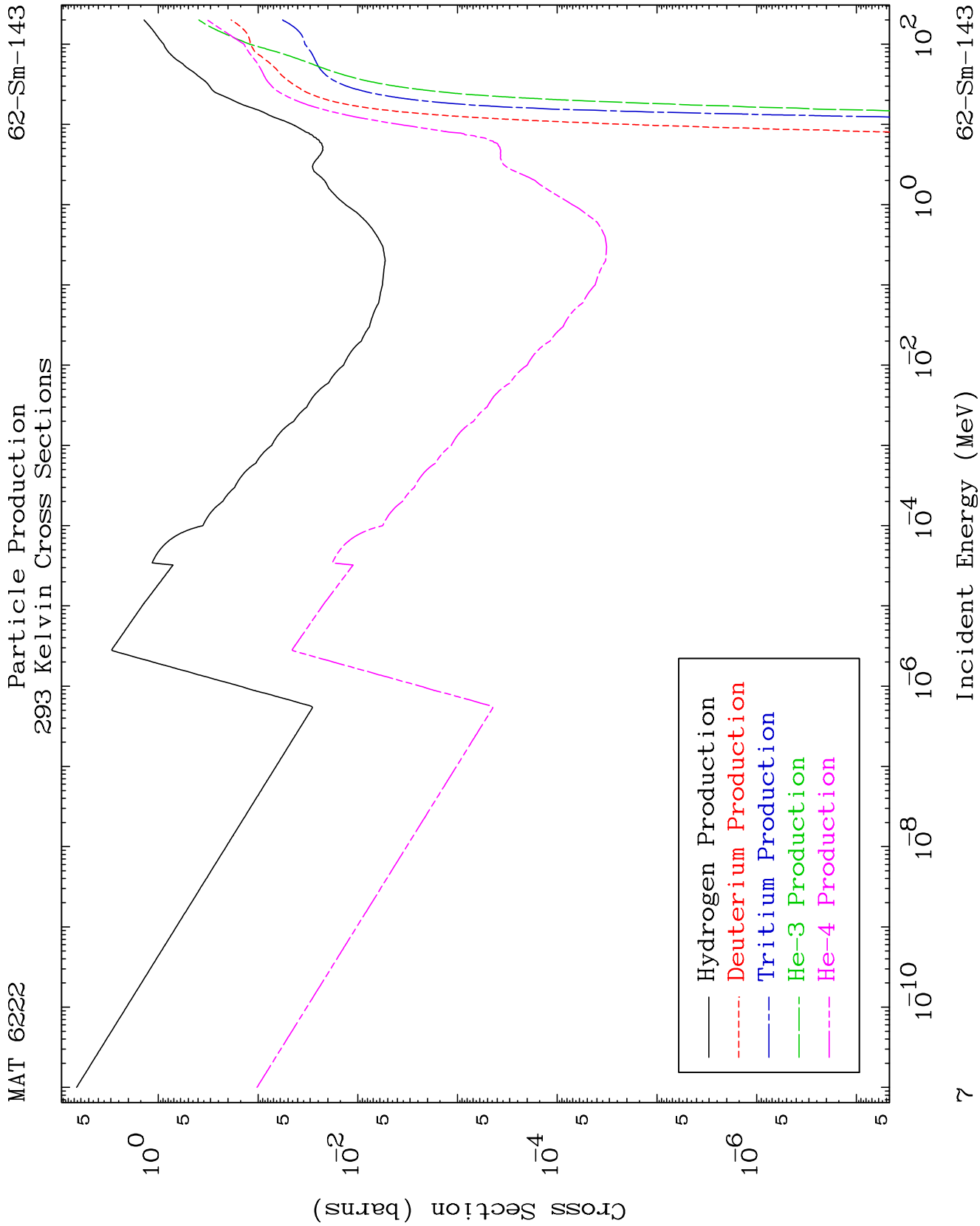


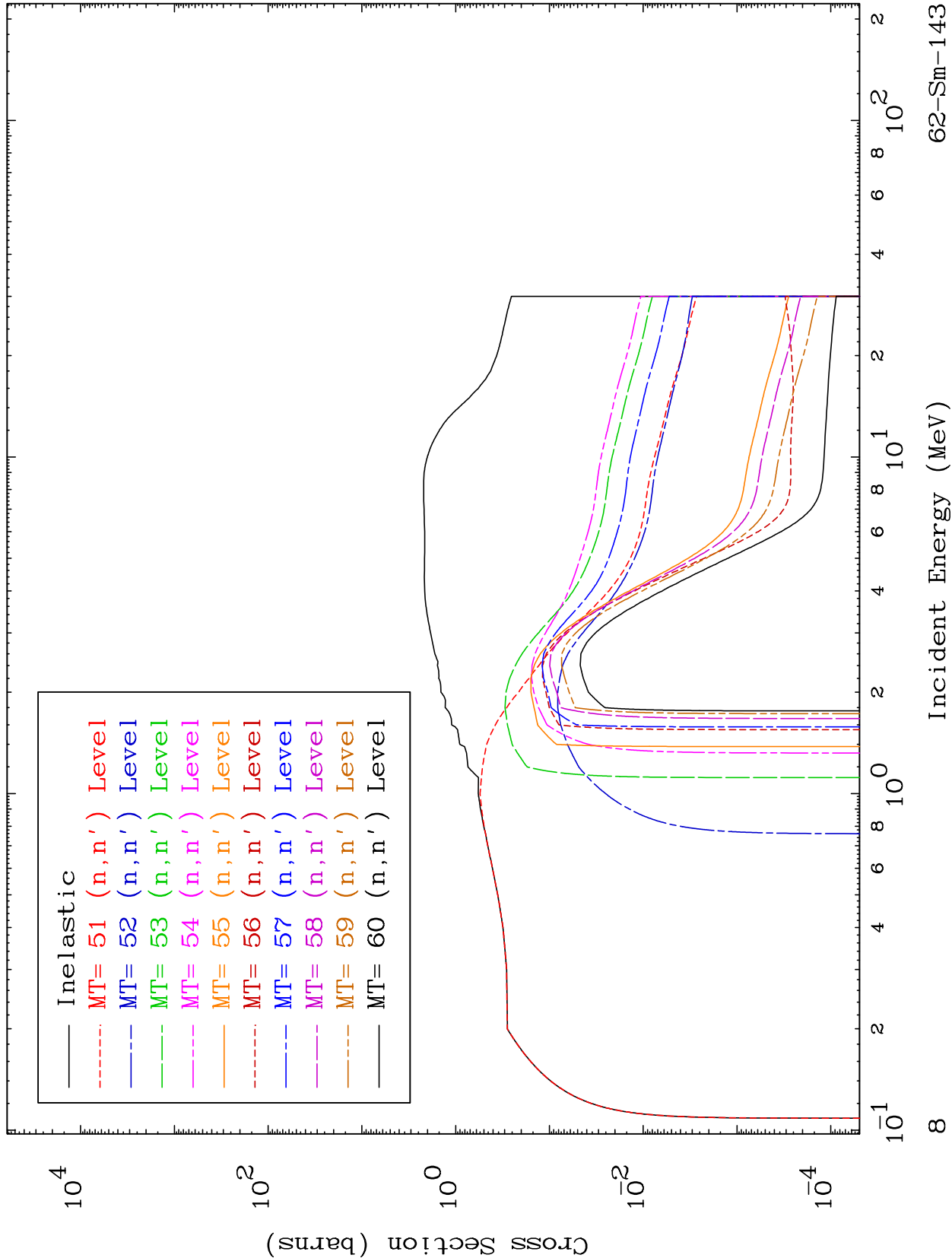








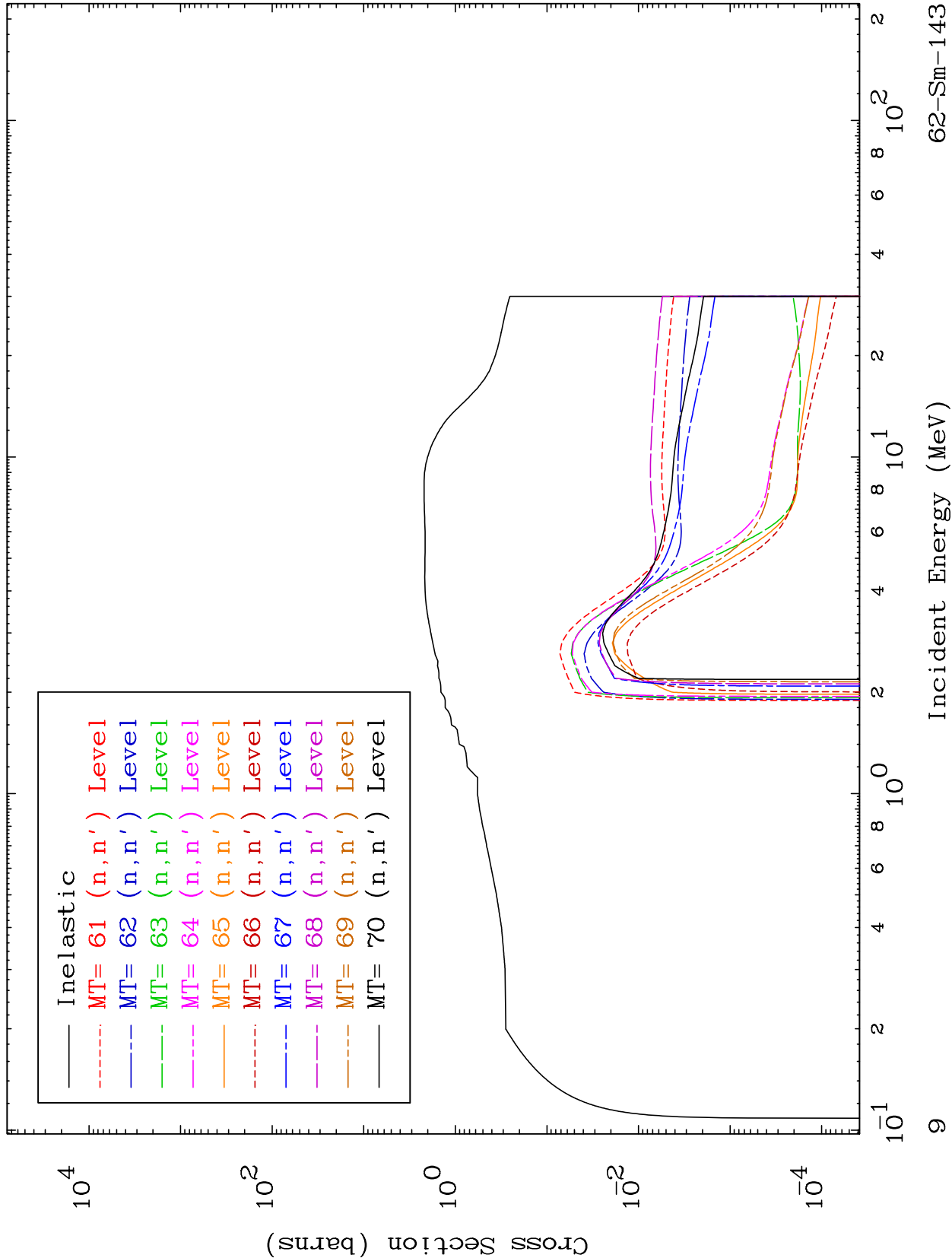




MAT 6222

(n,n') Levels
293 Kelvin Cross Sections

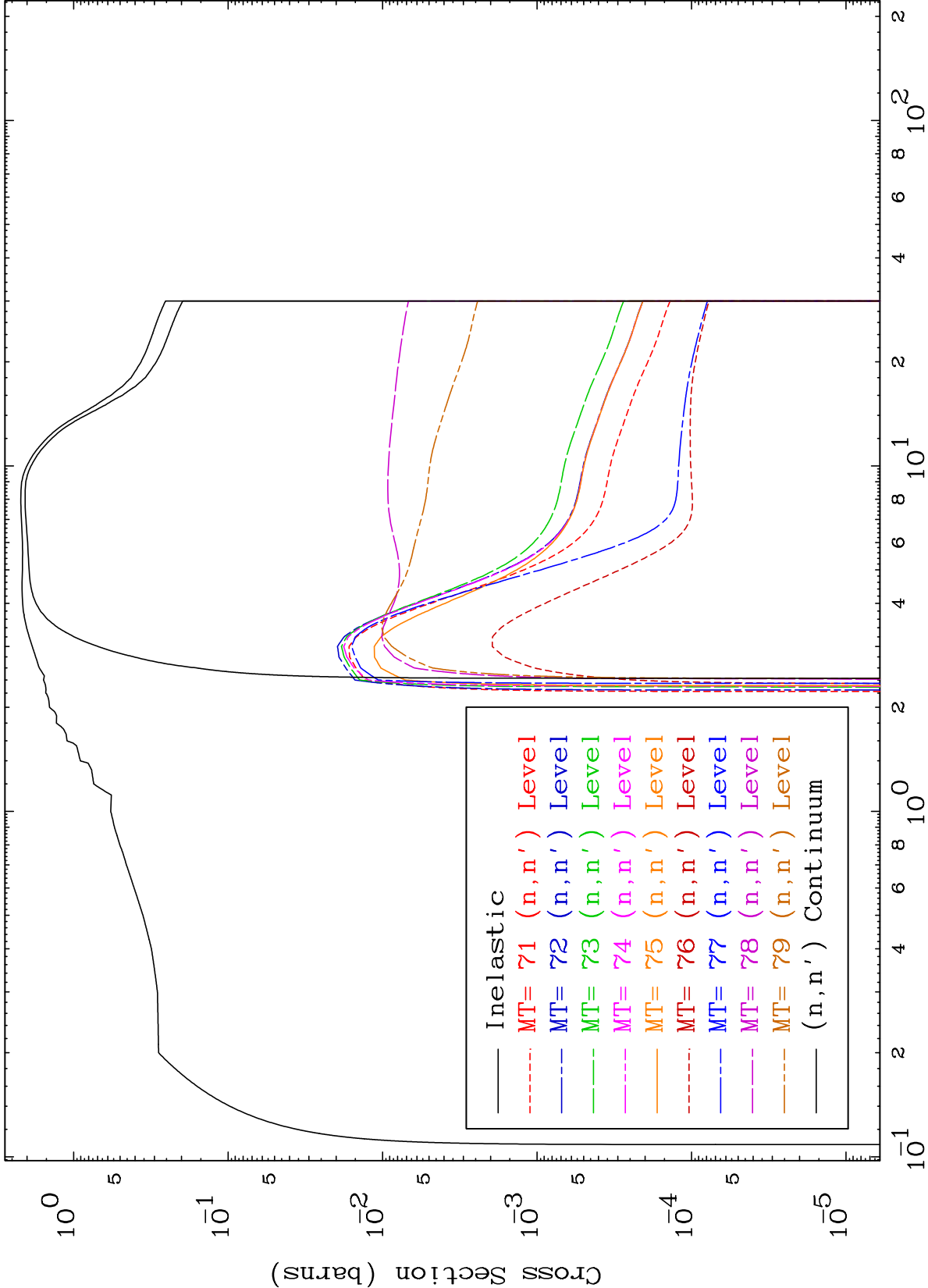
62-Sm-143



MAT 6222

(n,n') Levels
293 Kelvin Cross Sections

62-Sm-143



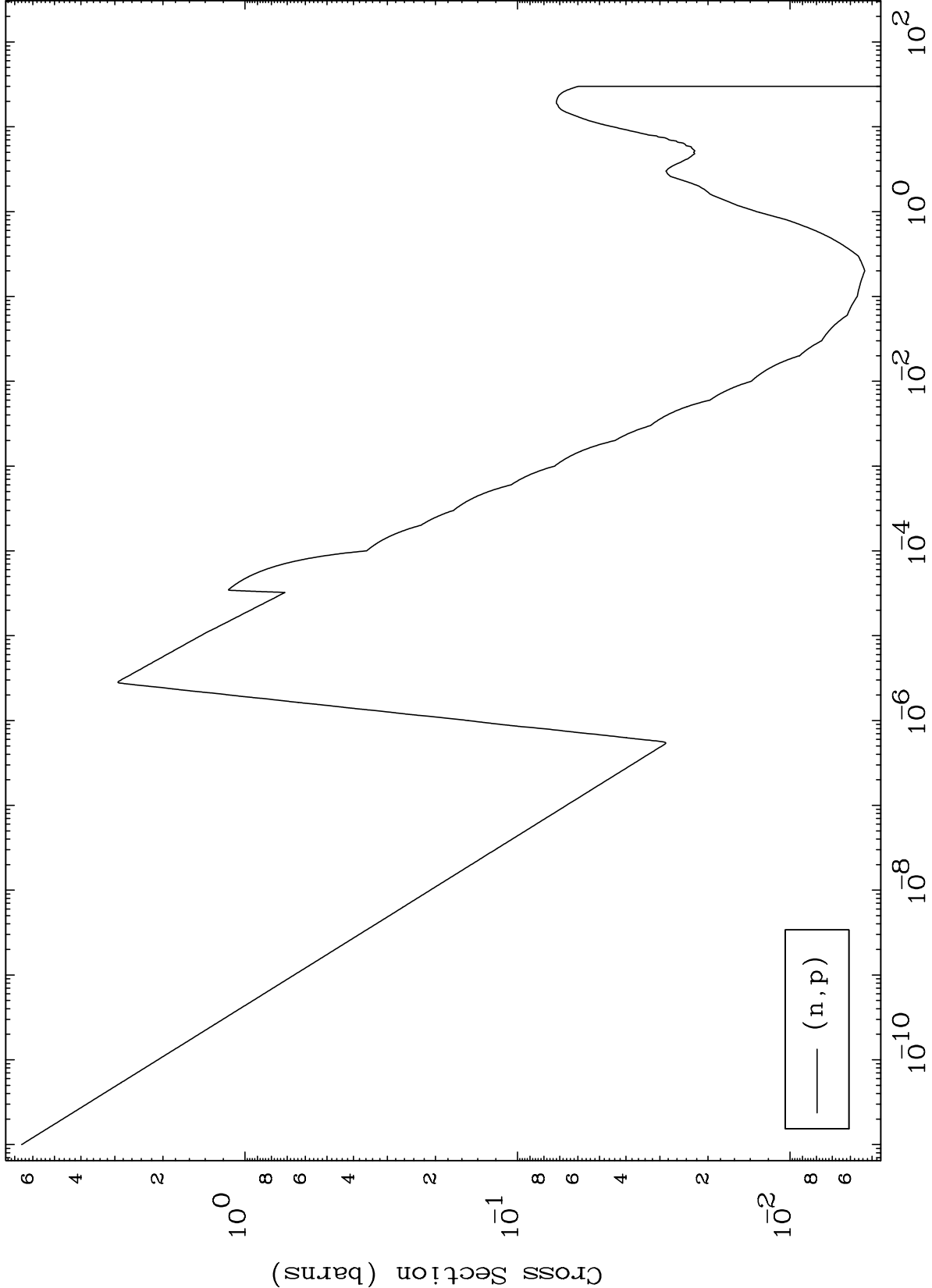
Incident Energy (MeV)

62-Sm-143

MAT 6222

(n,p) Levels
293 Kelvin Cross Sections

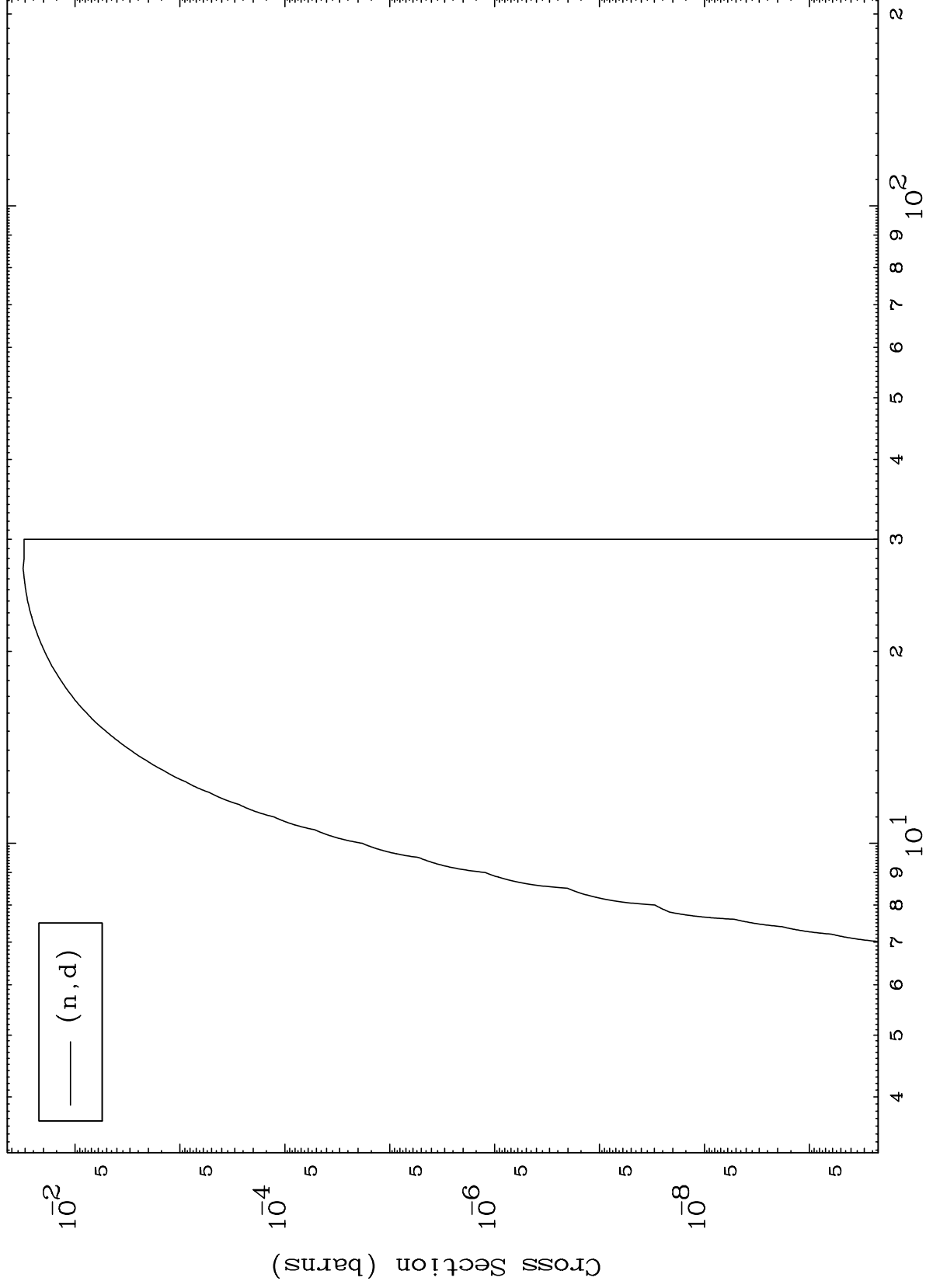
62-Sm-143



MAT 6222

62-Sm-143

(n,d) Levels
293 Kelvin Cross Sections



62-Sm-143

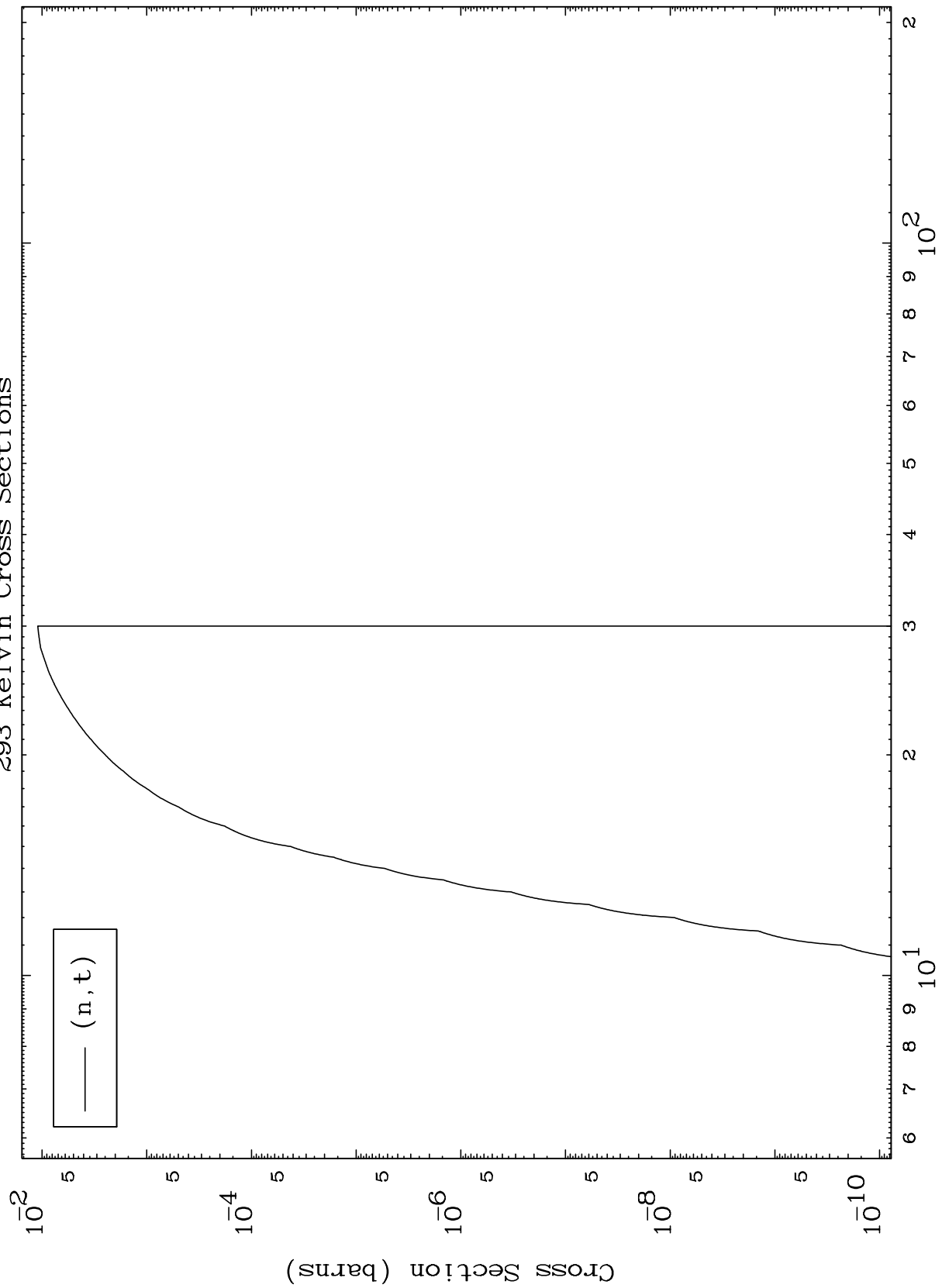
Incident Energy (MeV)

12

MAT 6222

62-Sm-143

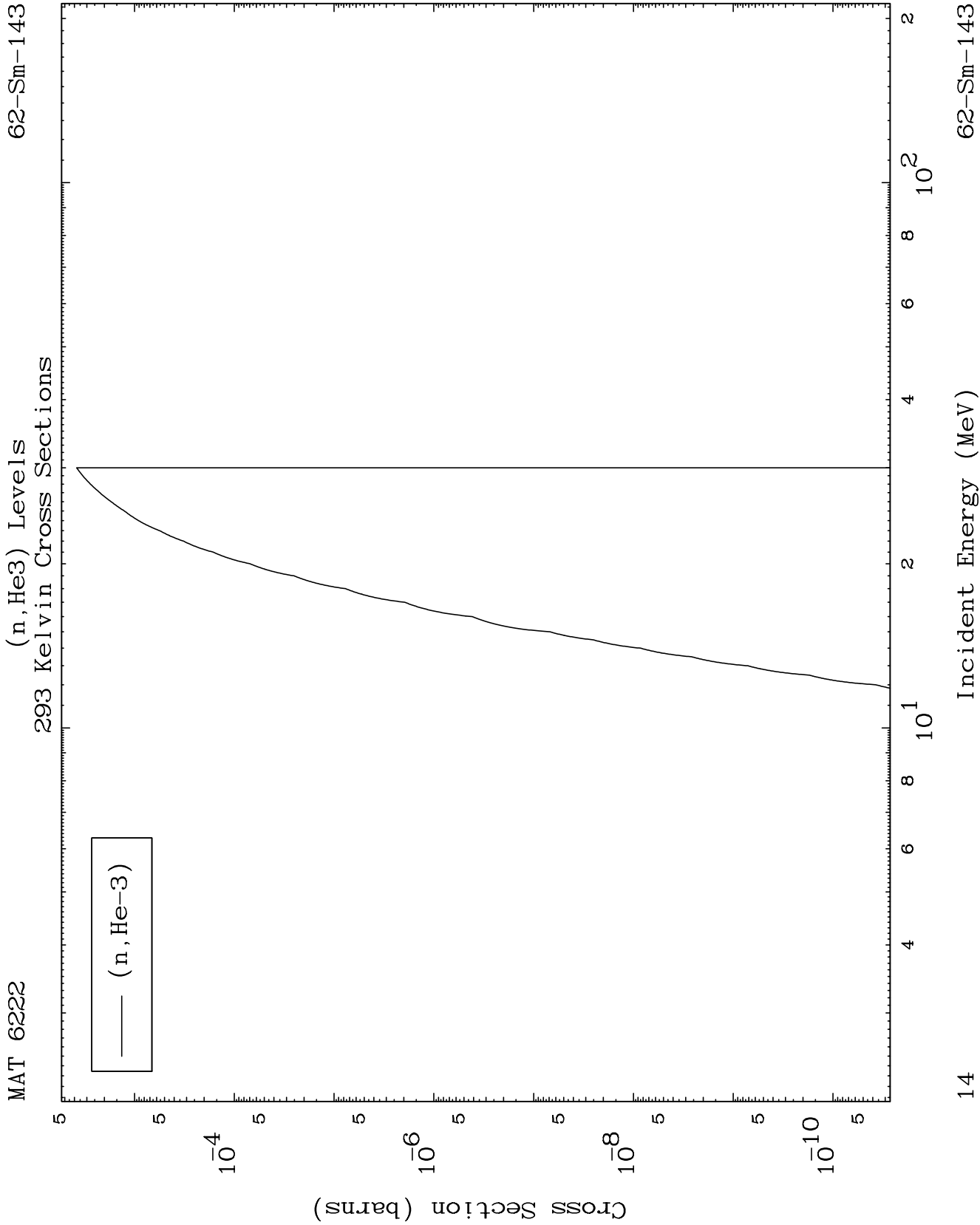
(n,t) Levels
293 Kelvin Cross Sections



13

Incident Energy (MeV)

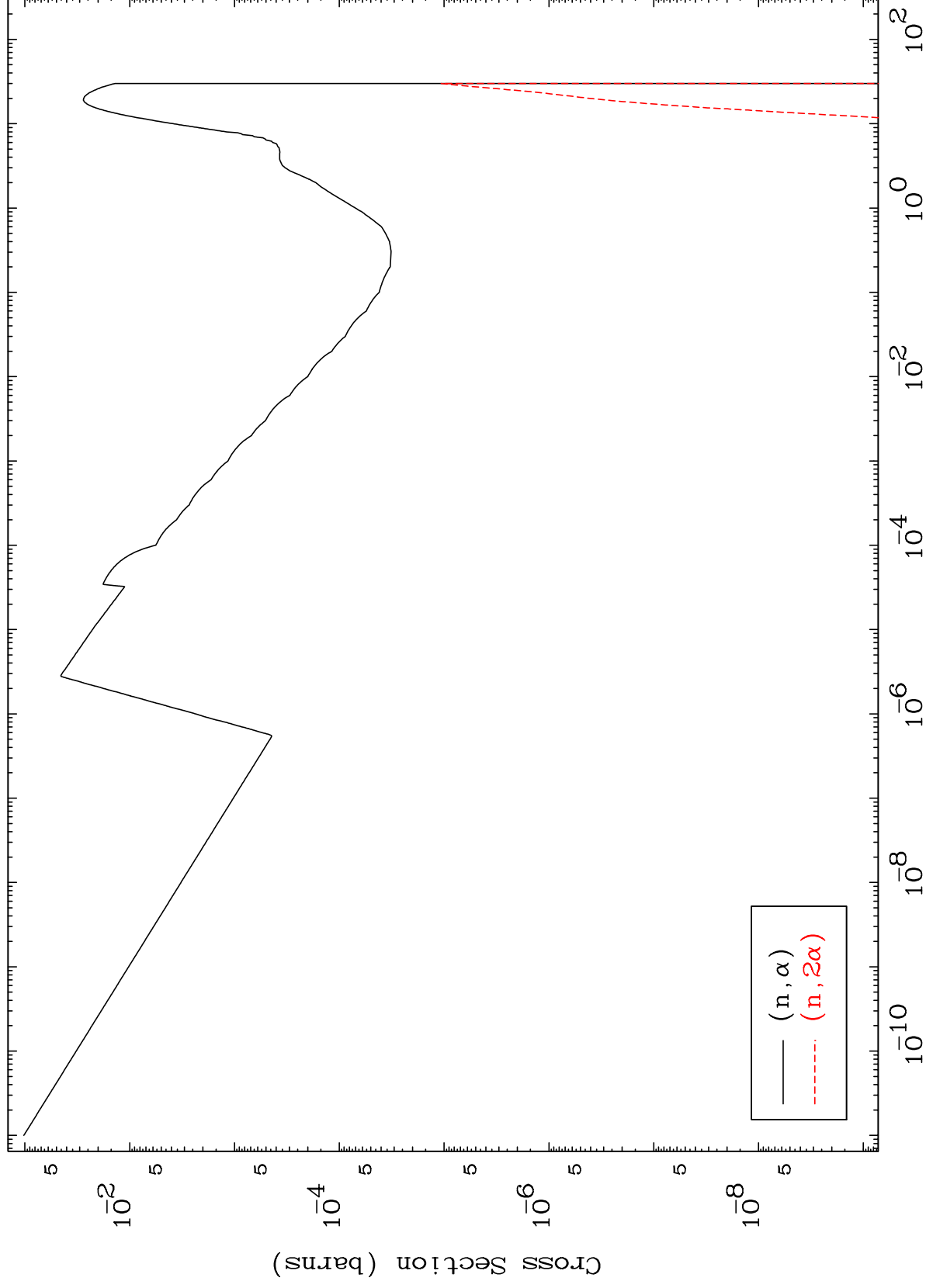
62-Sm-143



MAT 6222

62-Sm-143

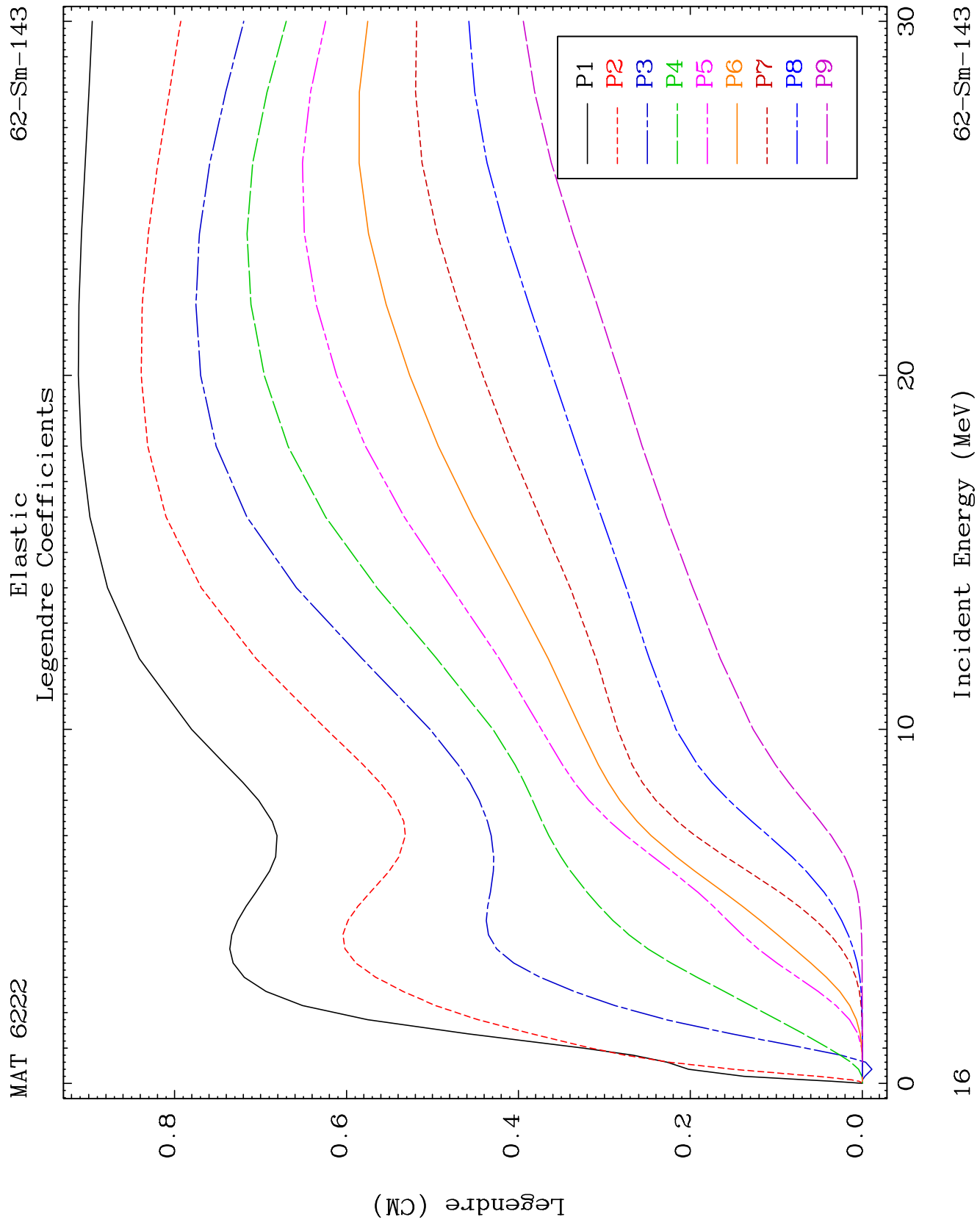
(n, α) Levels
293 Kelvin Cross Sections

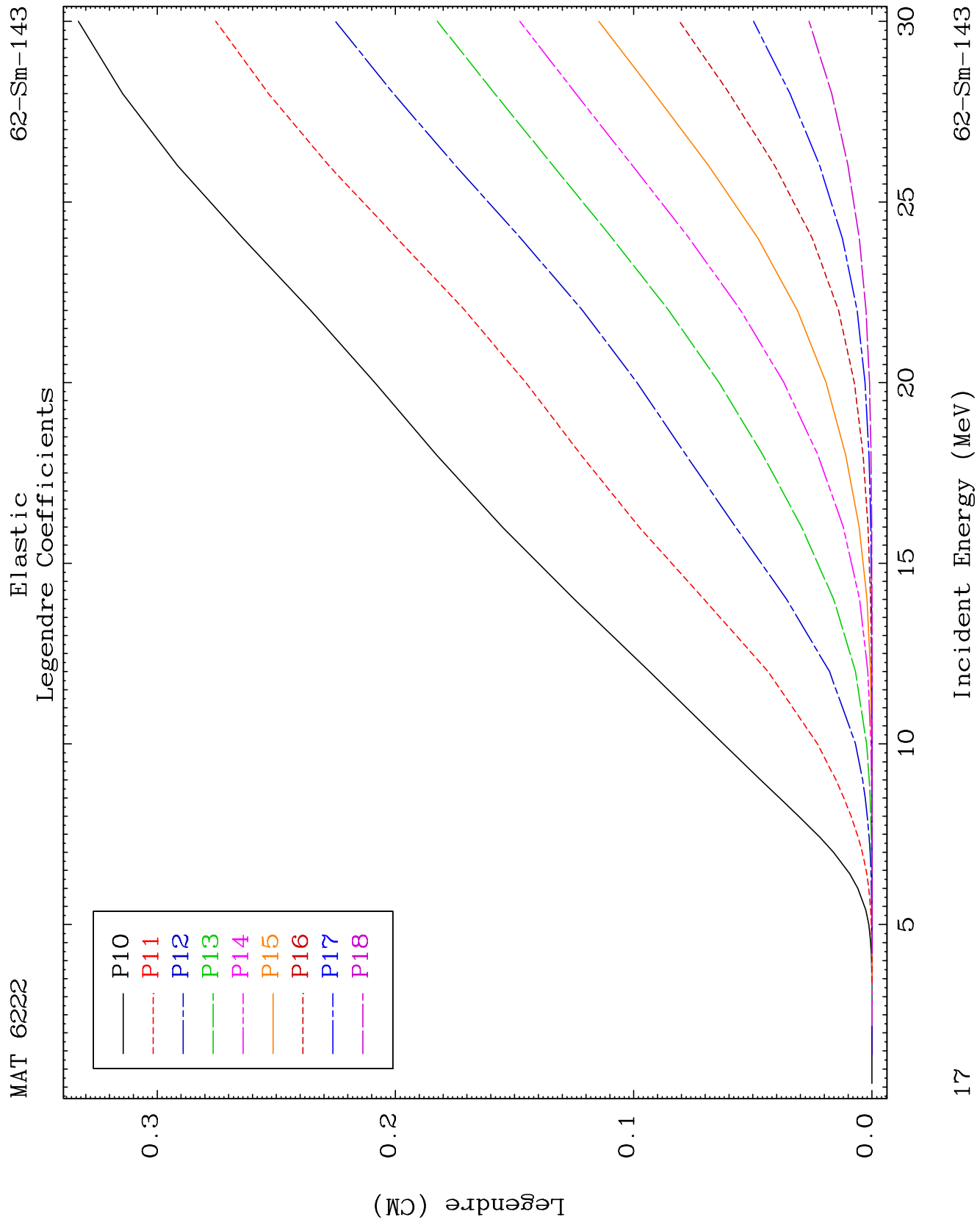


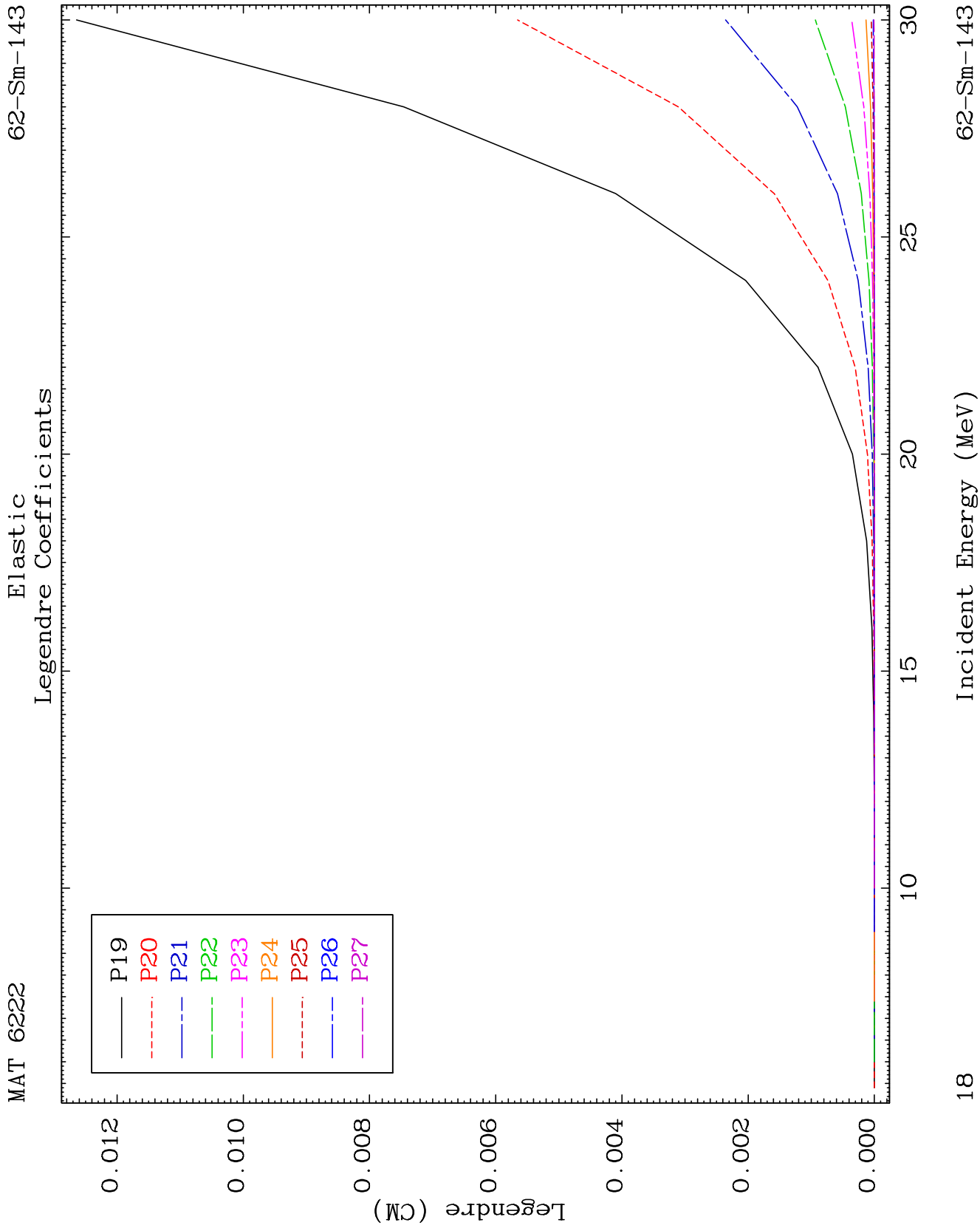
62-Sm-143

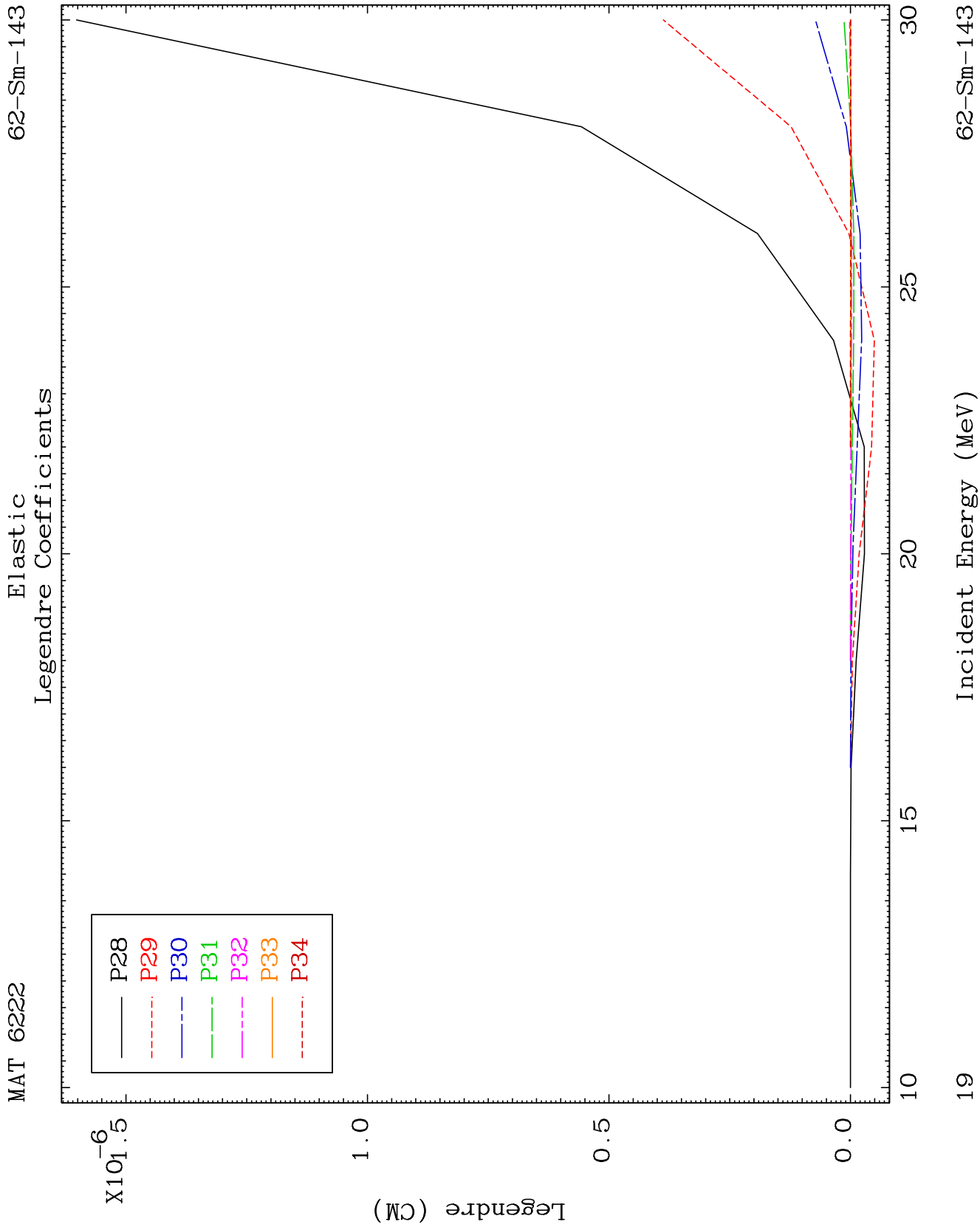
Incident Energy (MeV)

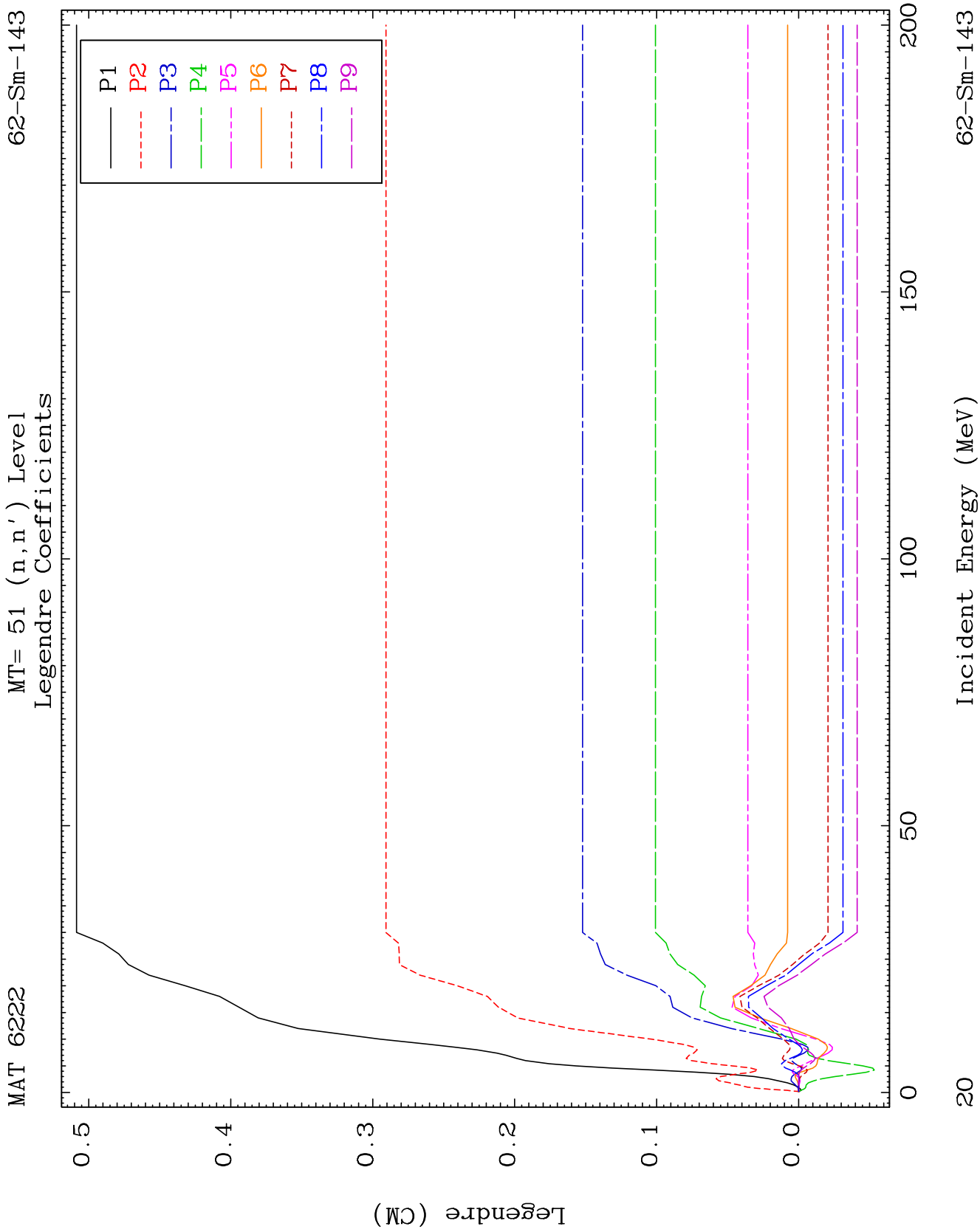
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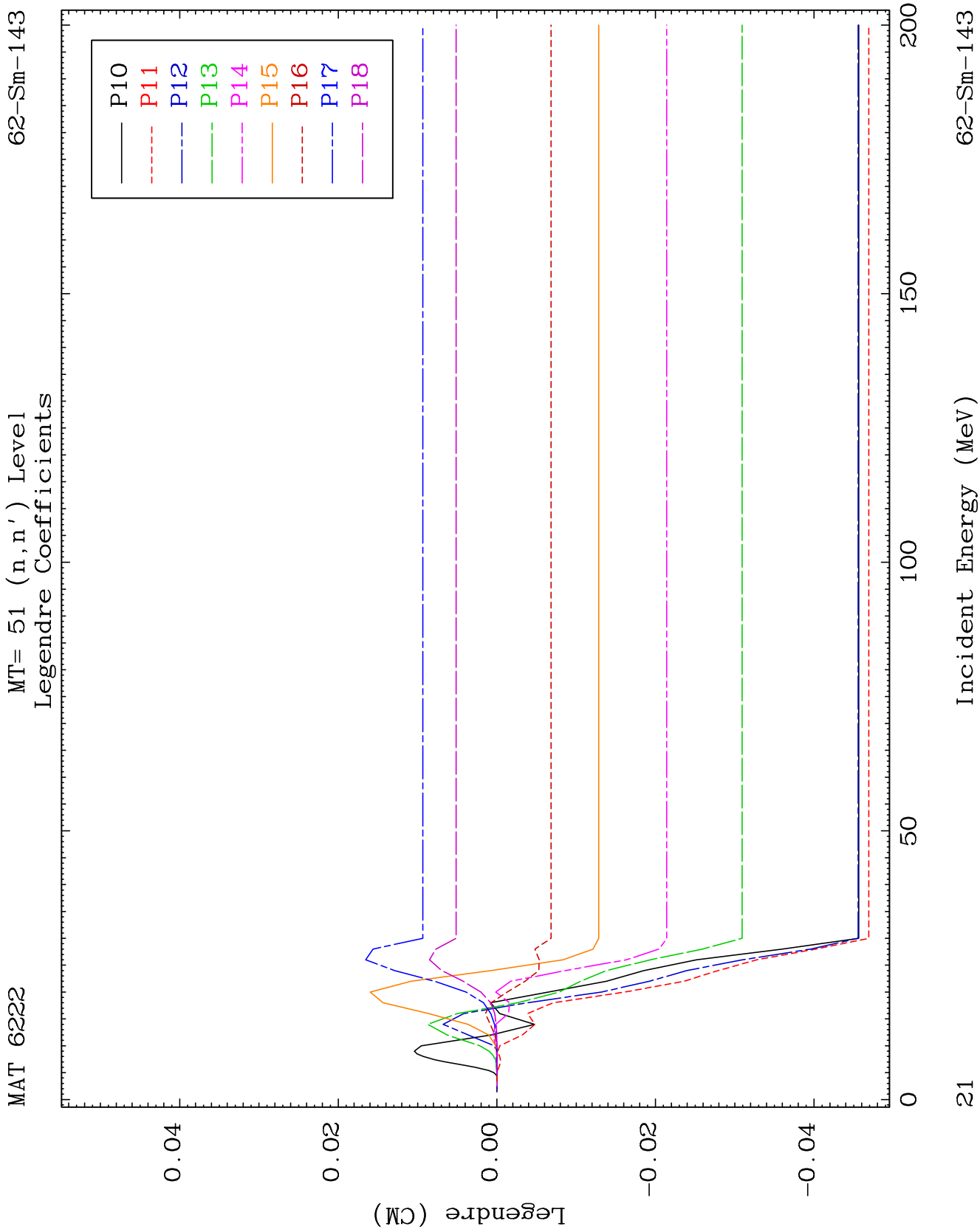








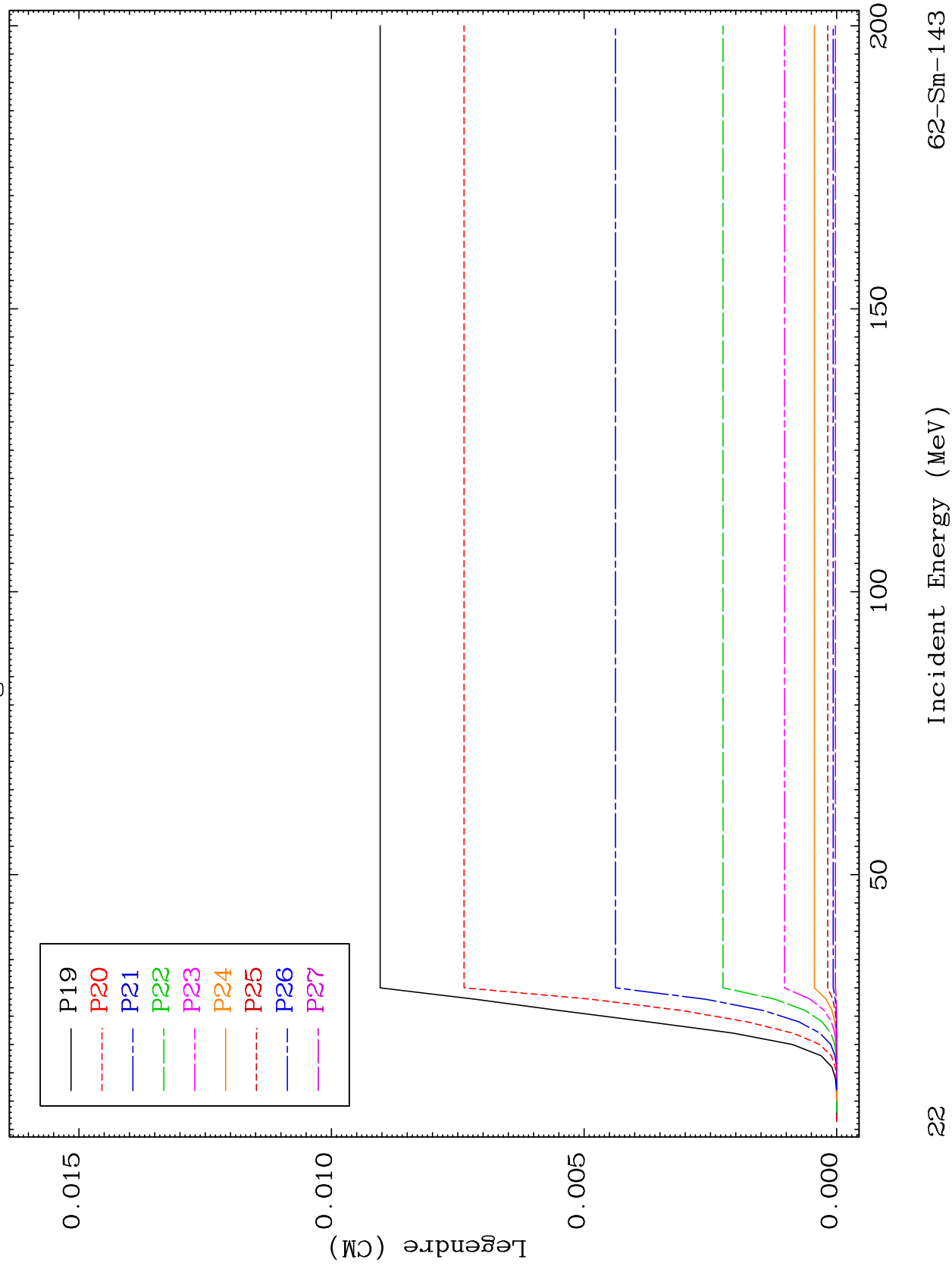


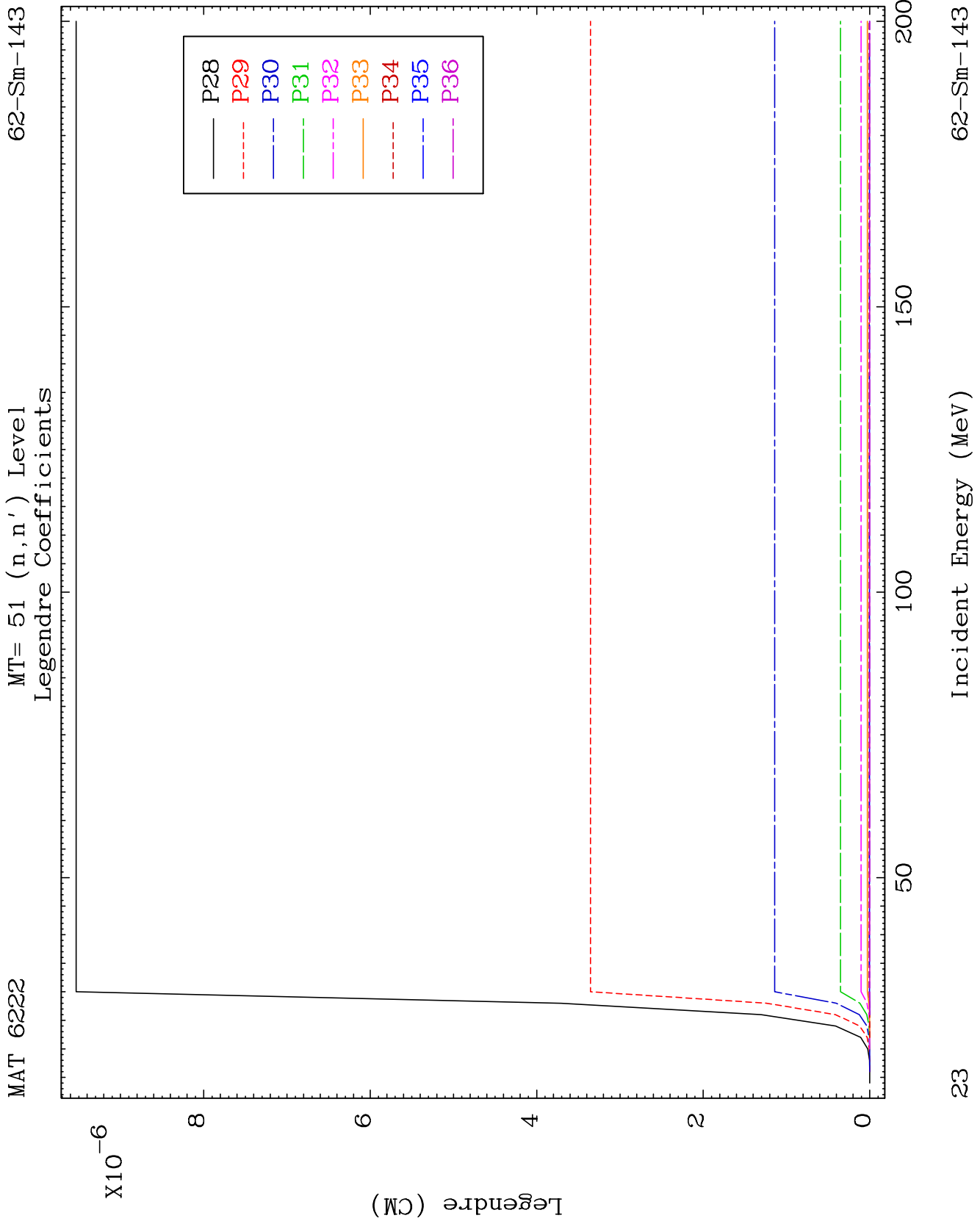


MAT 6222

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

62-Sm-143

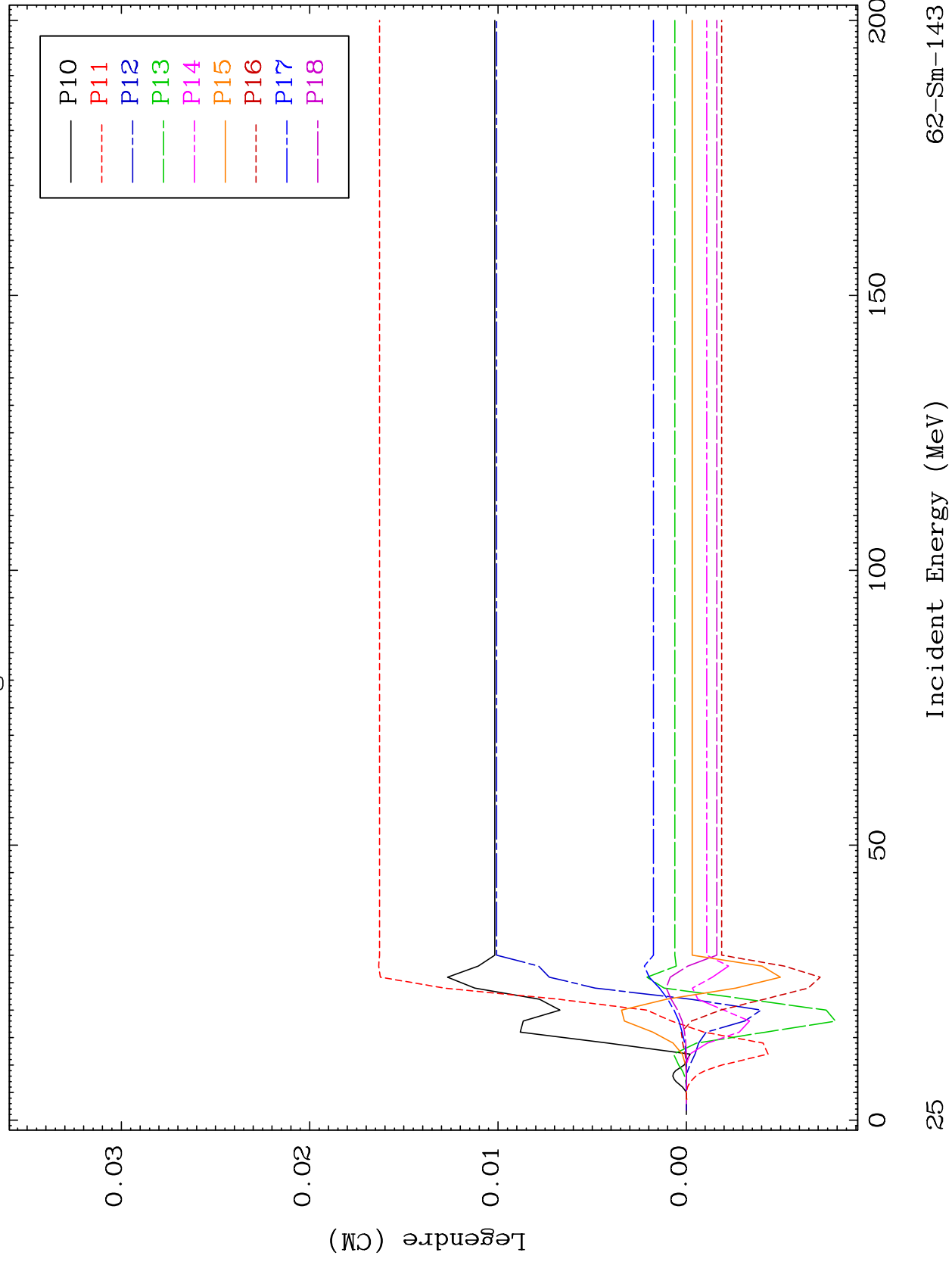


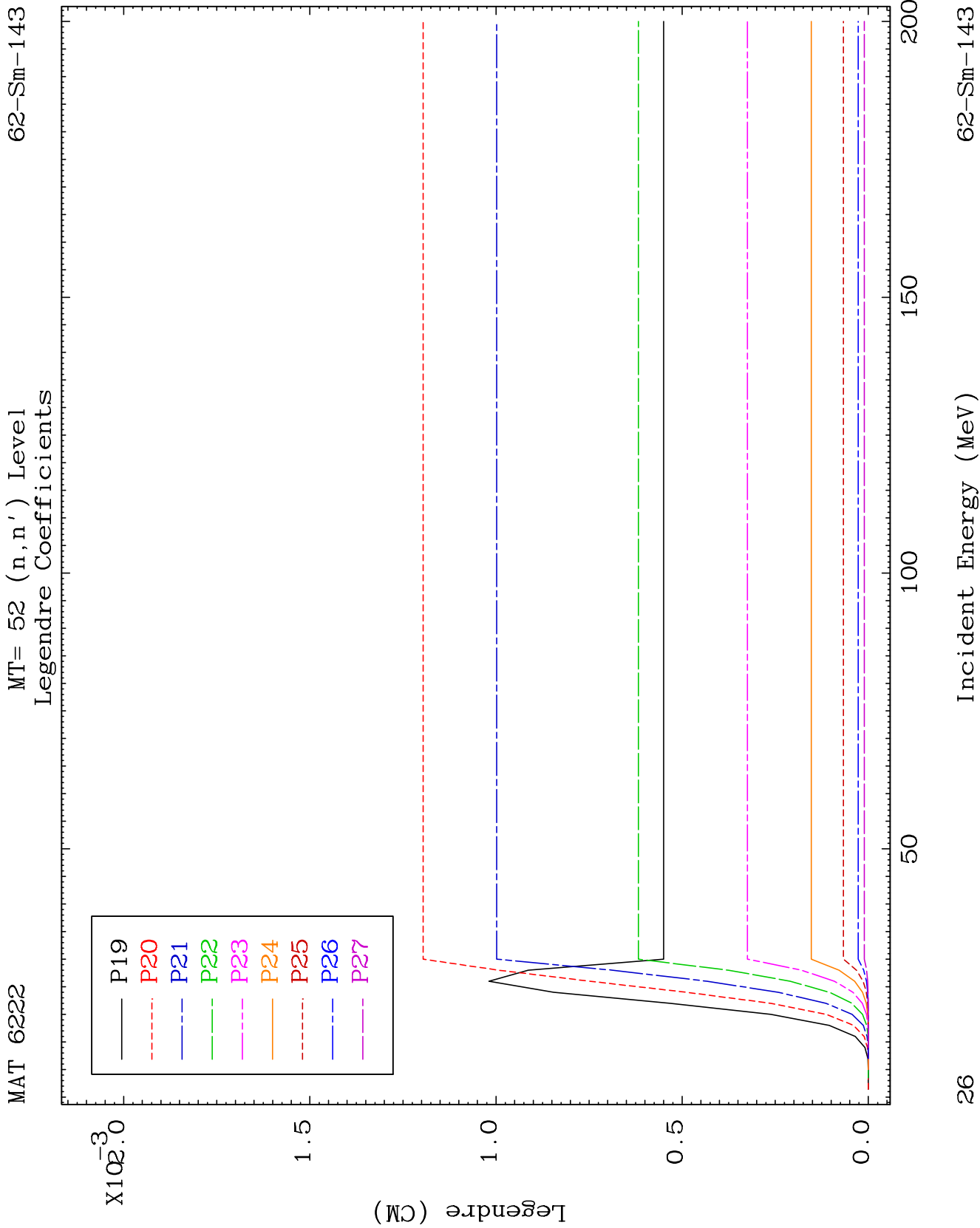


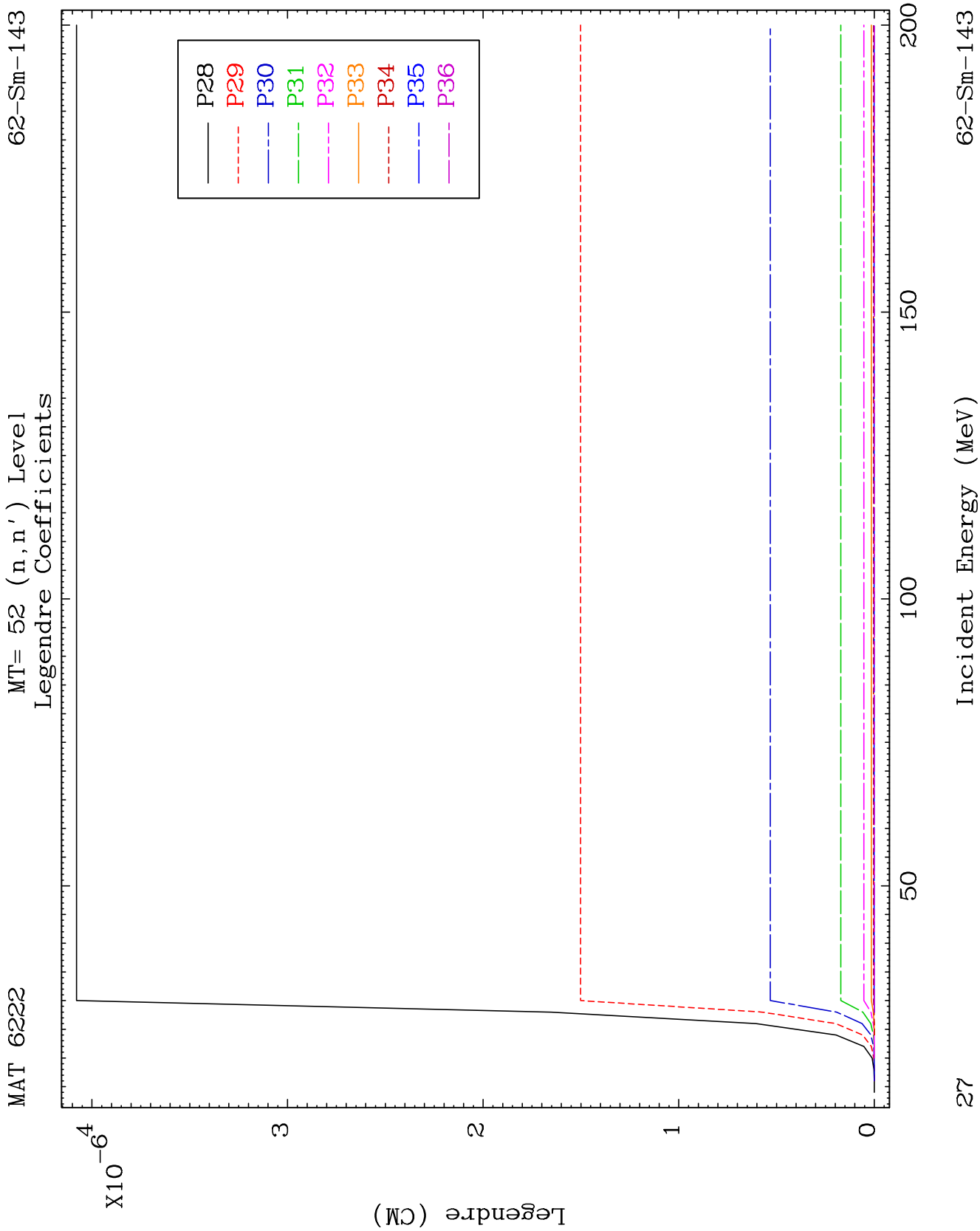
MAT 6222

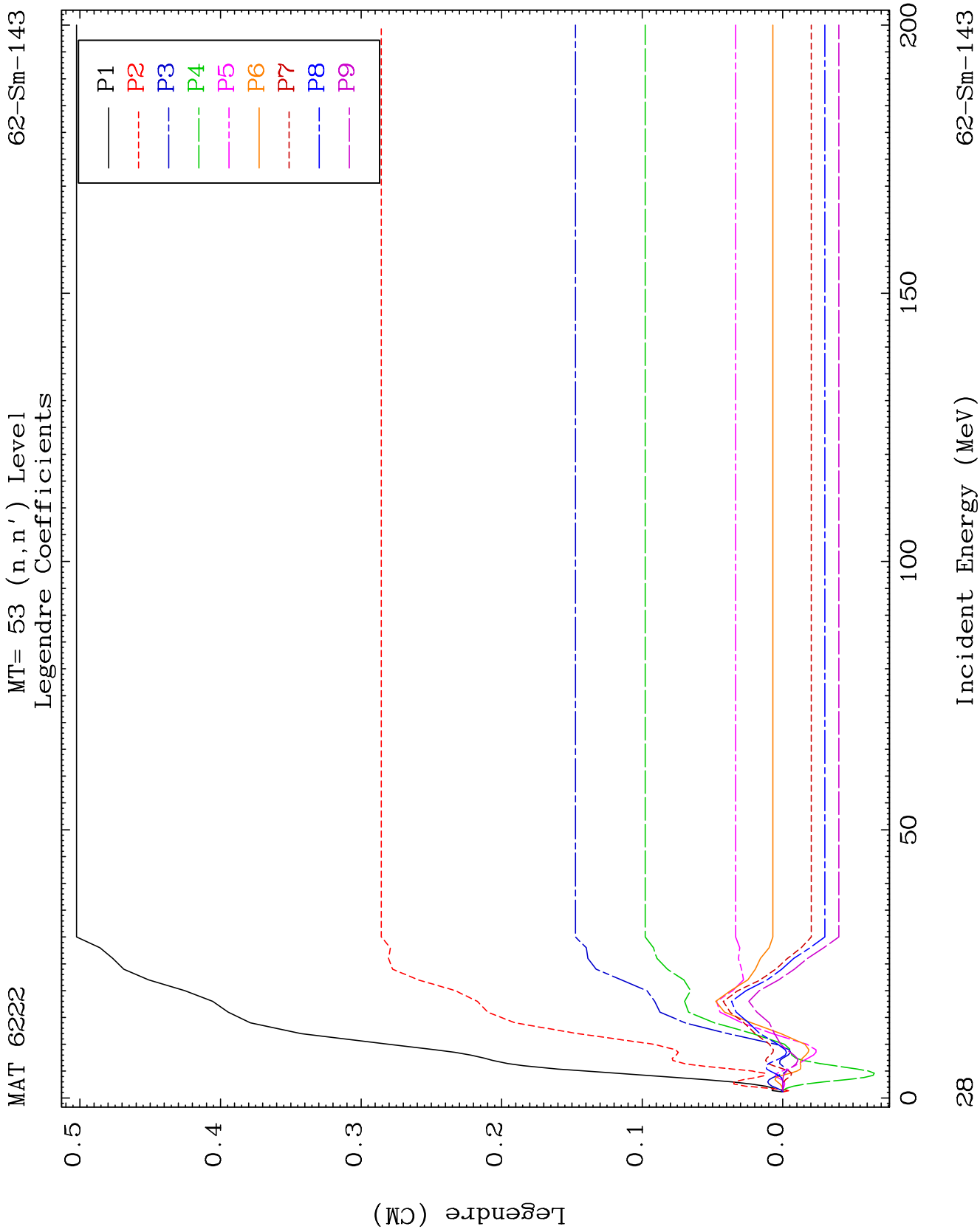
MT= 52 (n, n') Level
Legendre Coefficients

62-Sm-143





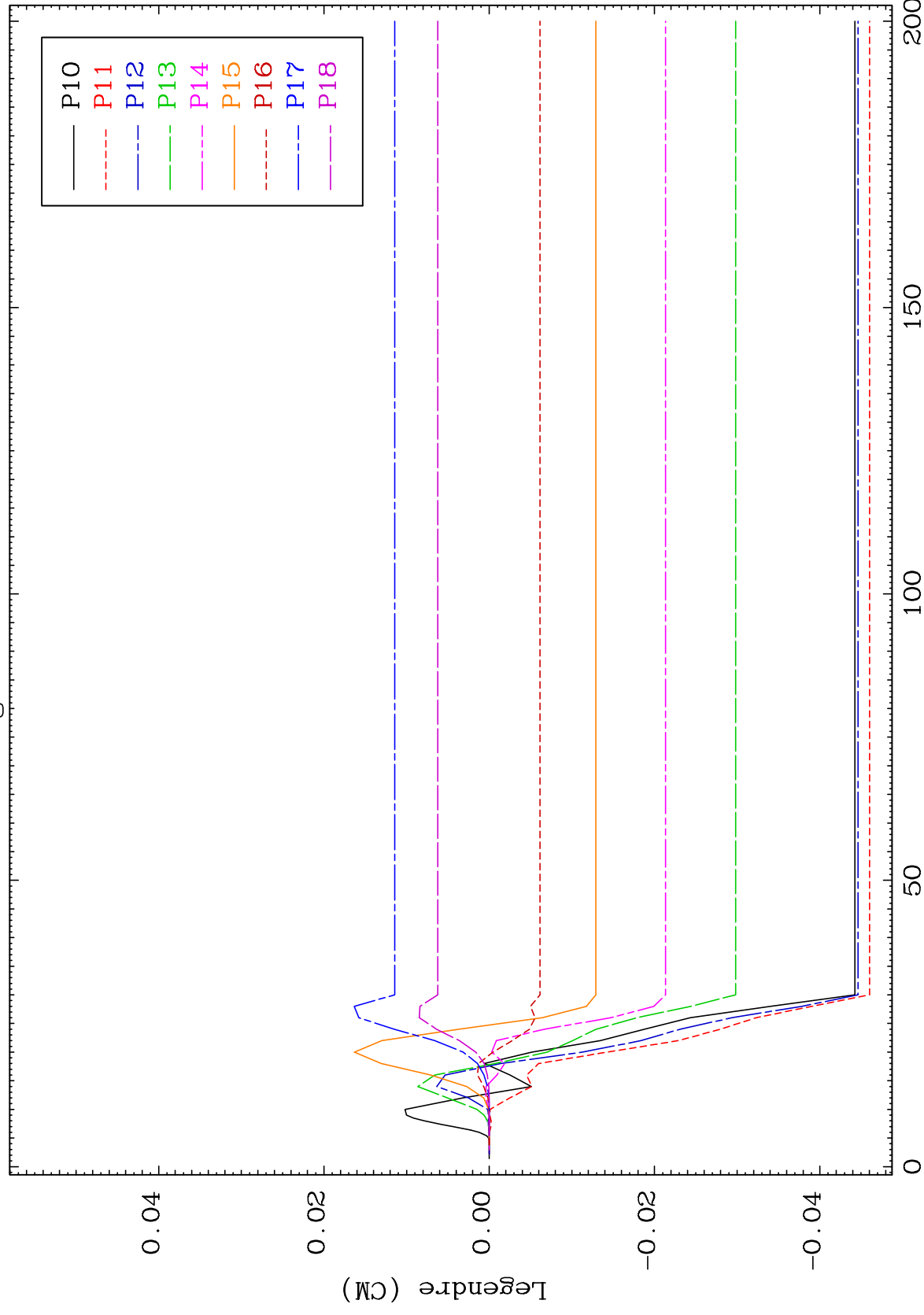




MAT 6222

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

62-Sm-143



29

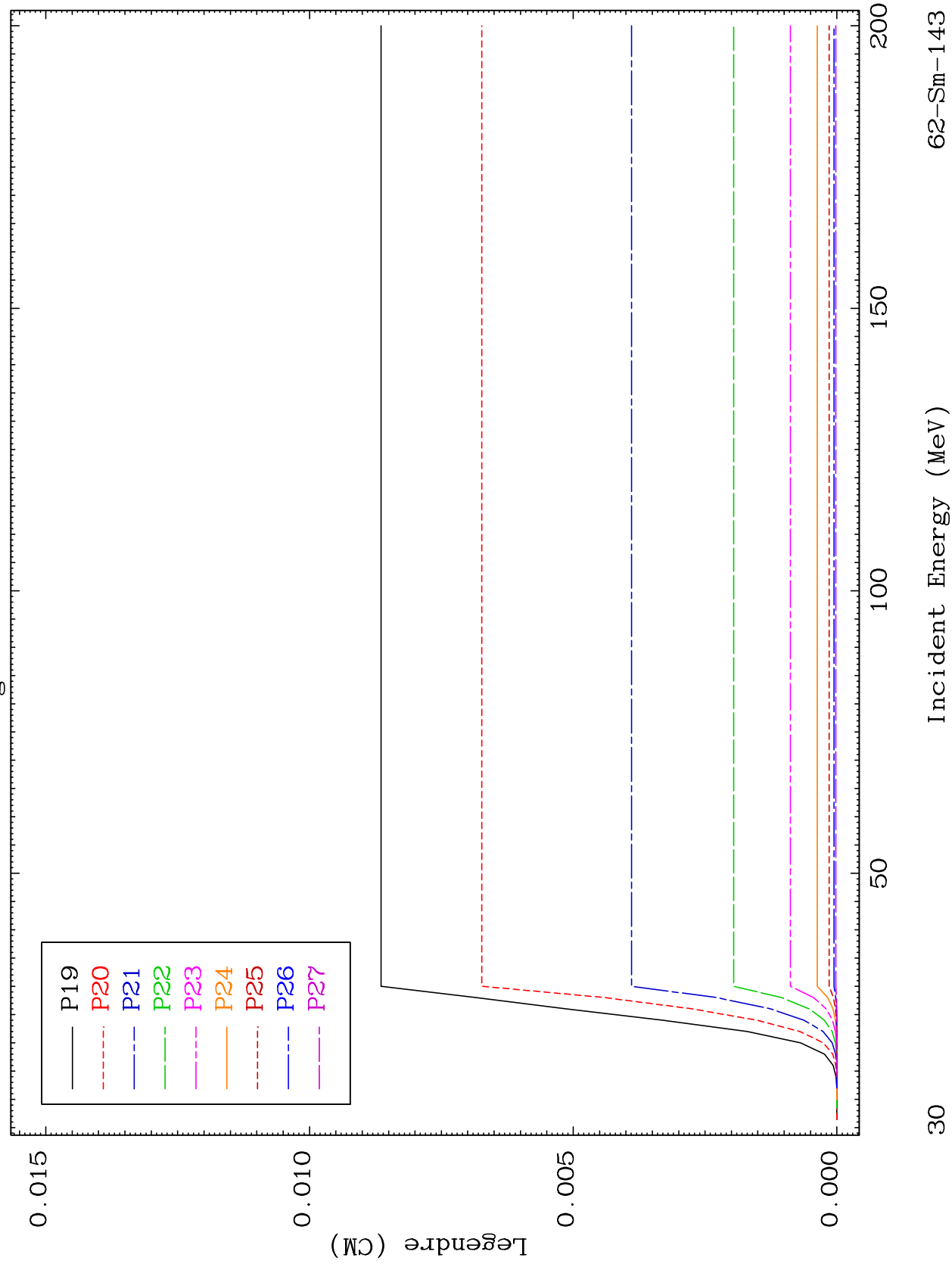
Incident Energy (MeV)

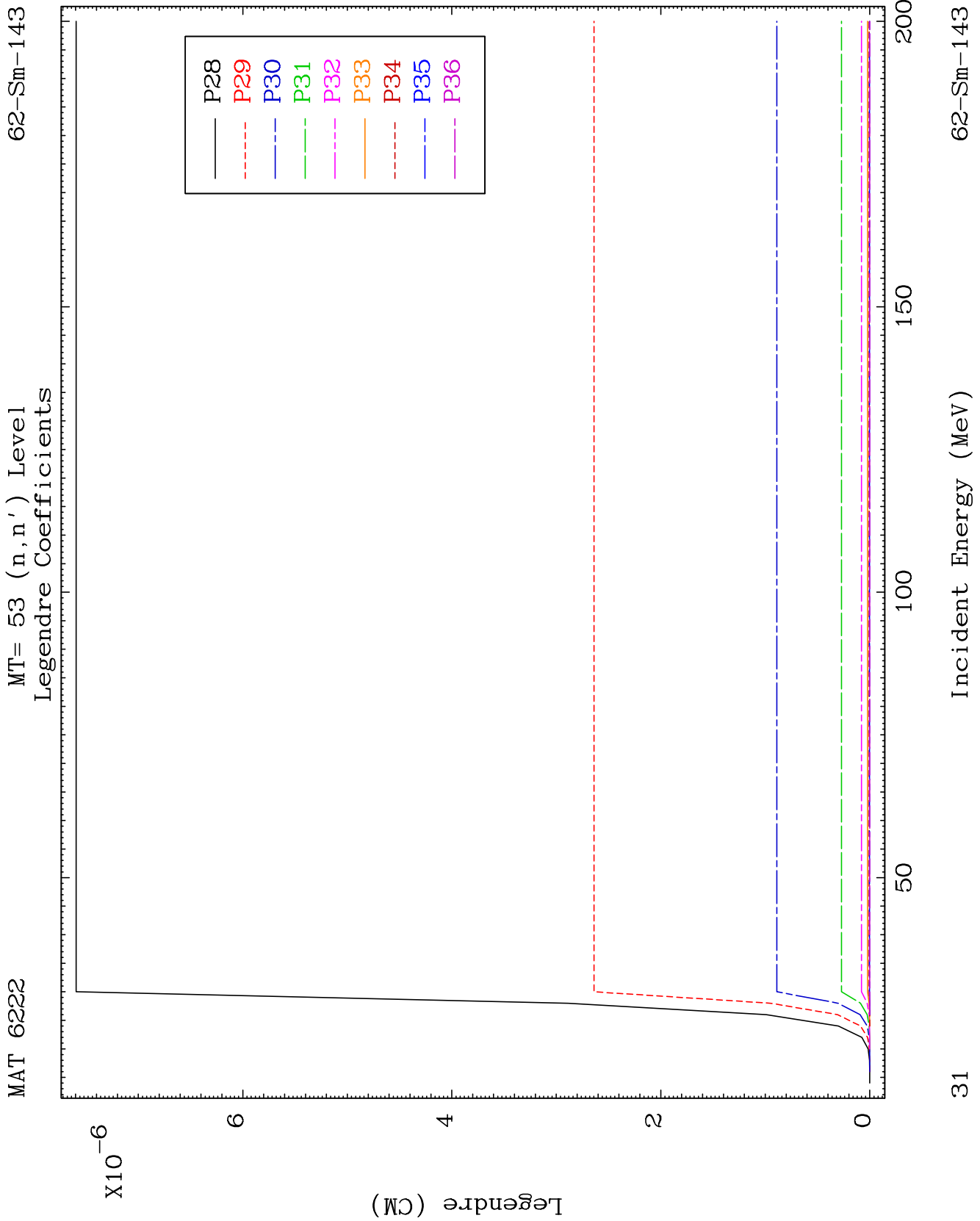
62-Sm-143

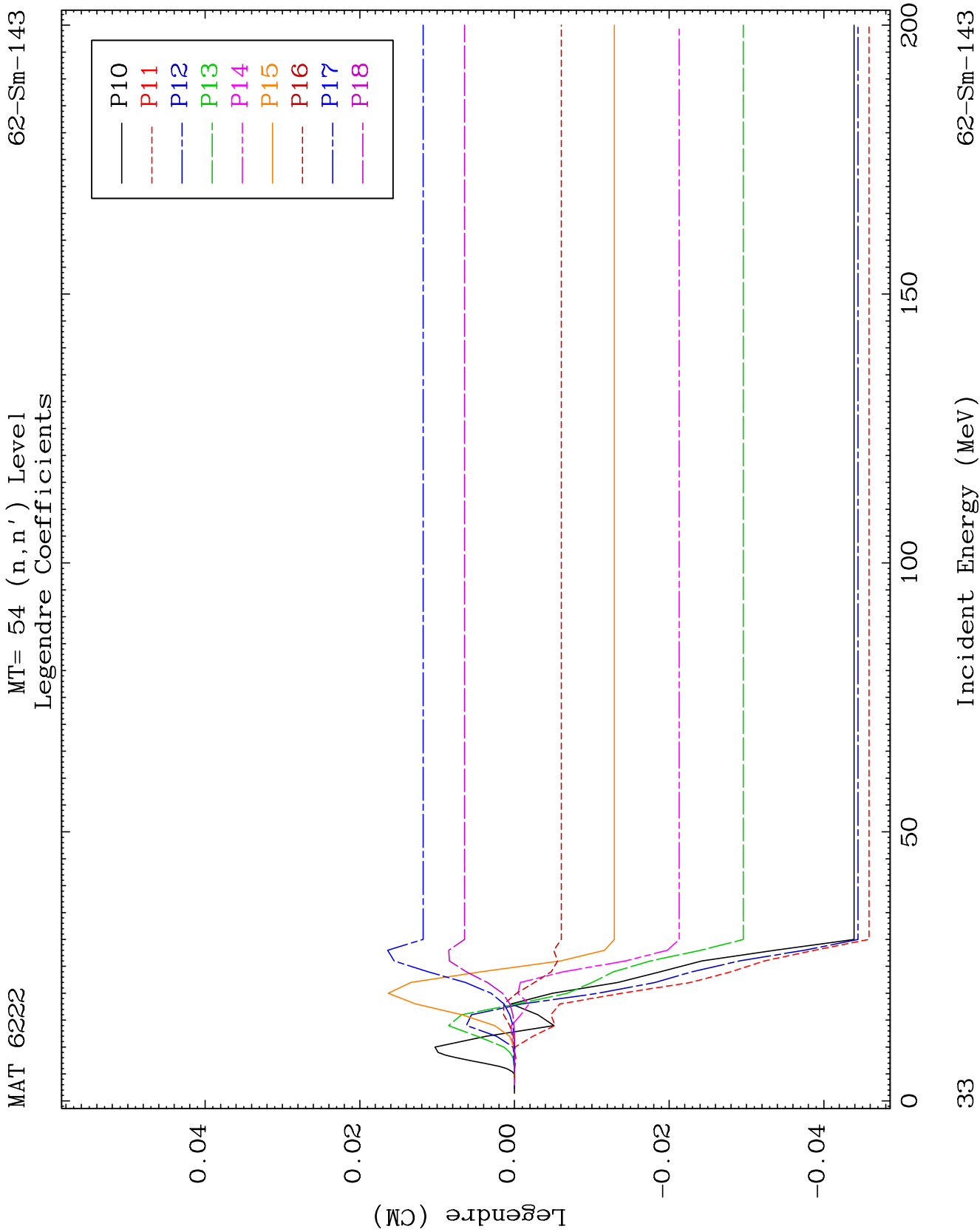
MAT 6222

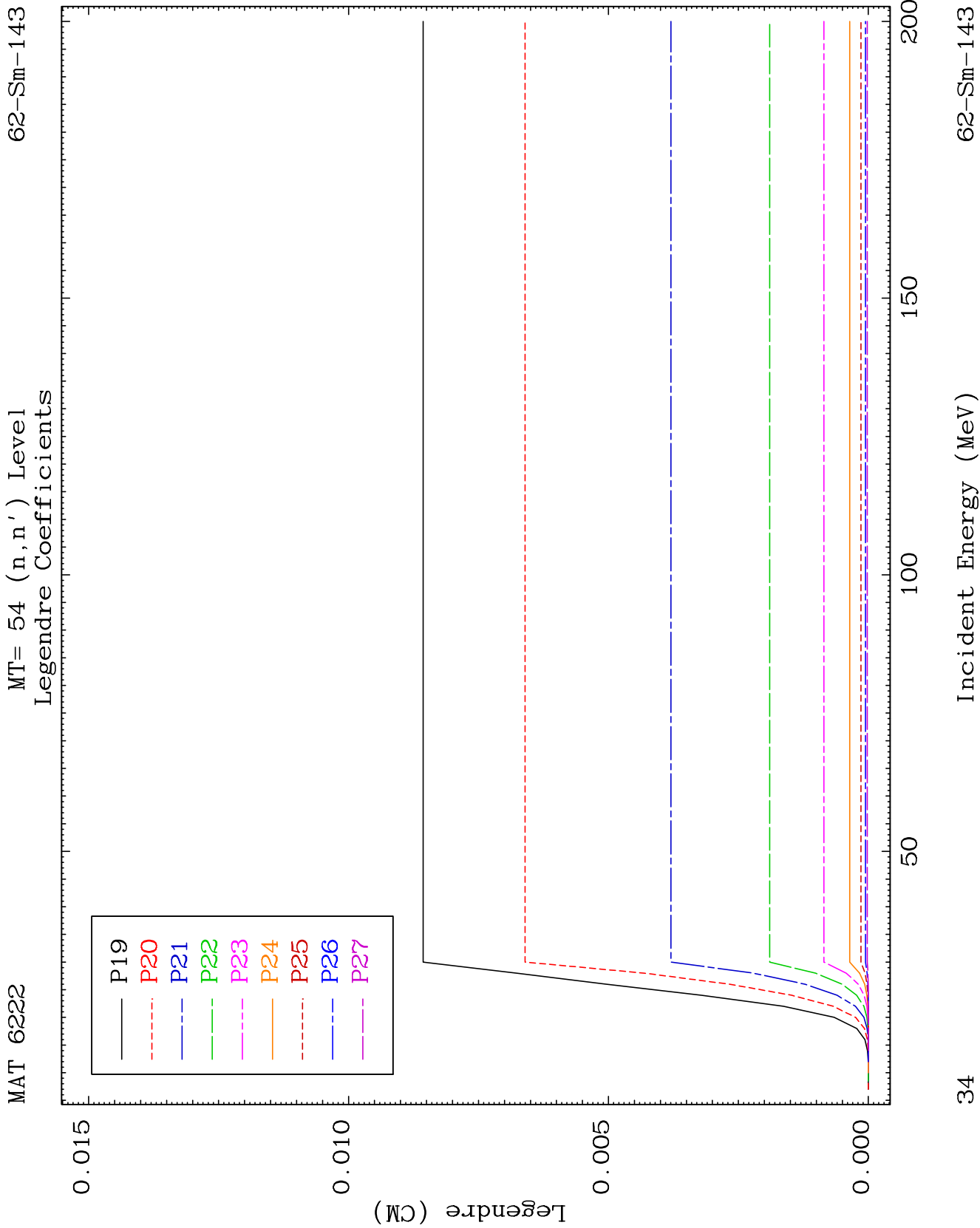
MT= 53 (n, n') Level
Legendre Coefficients

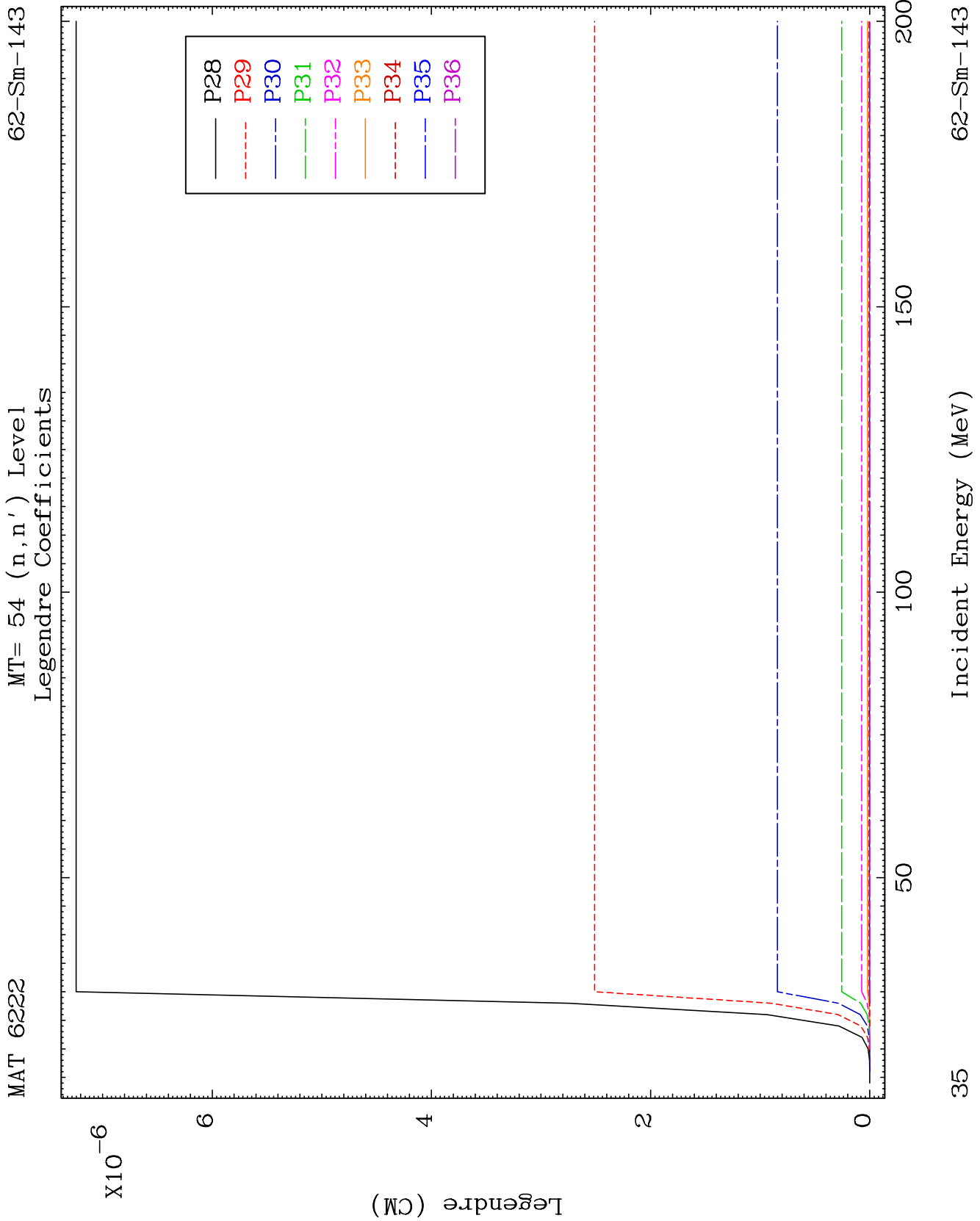
62-Sm-143

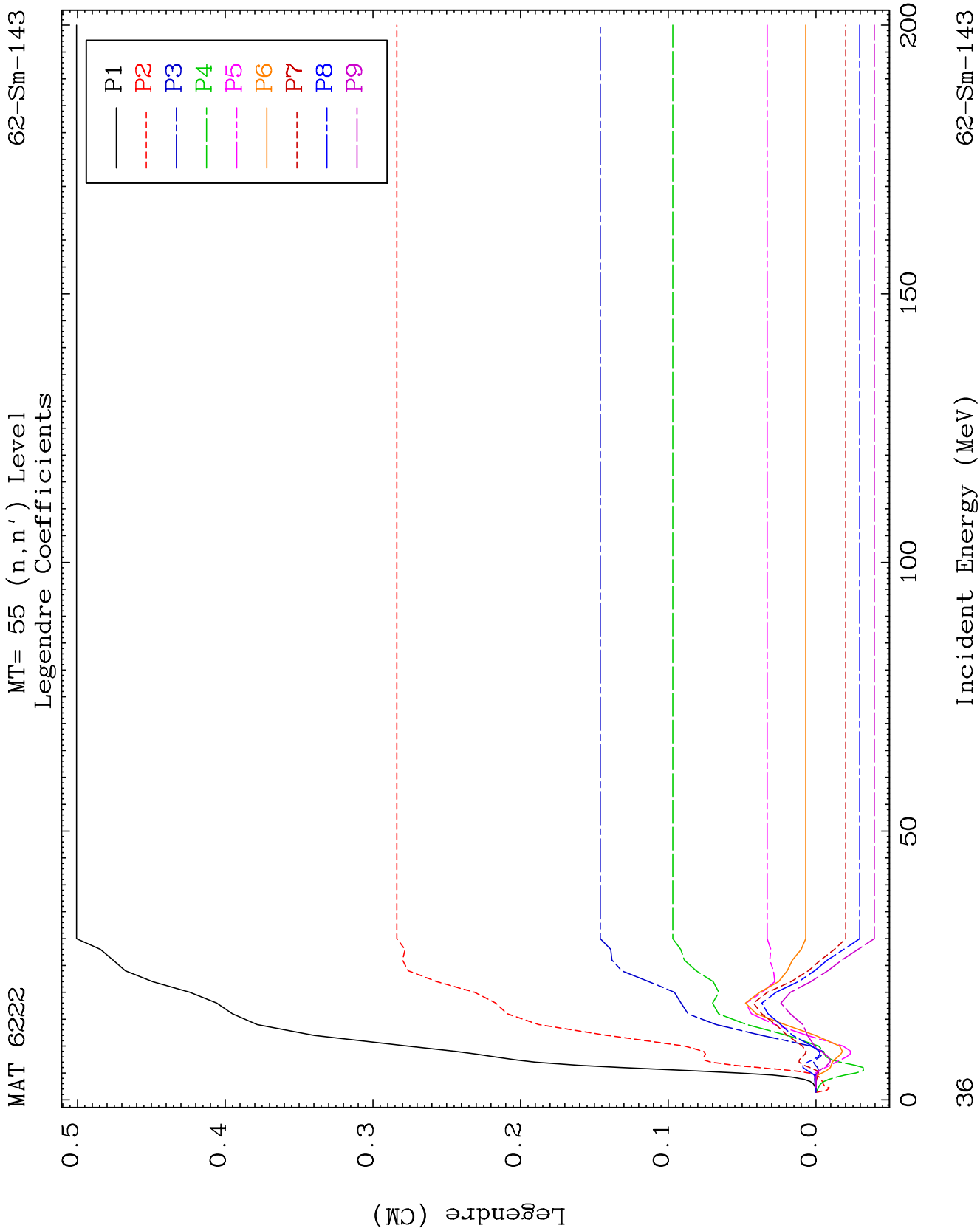


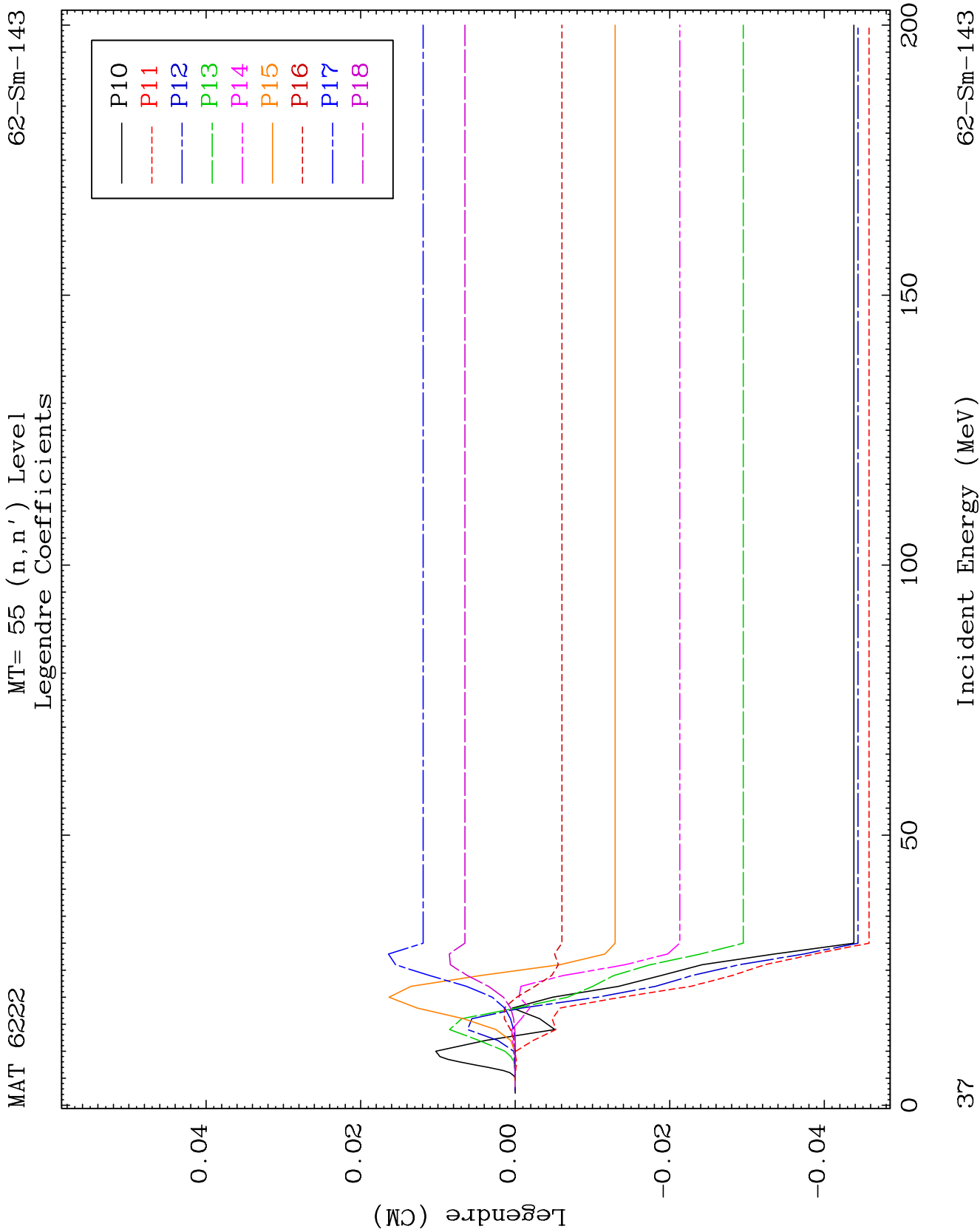








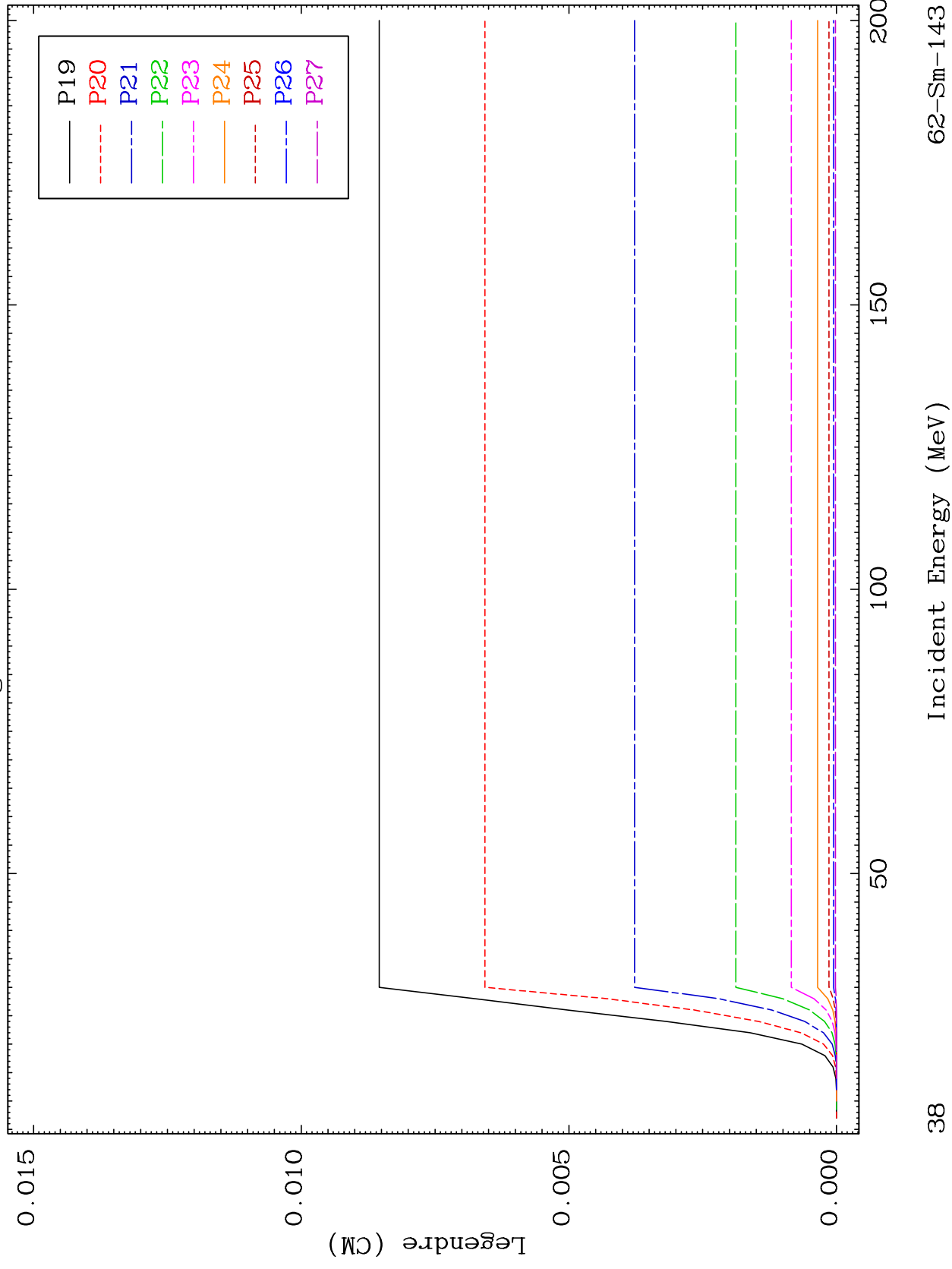


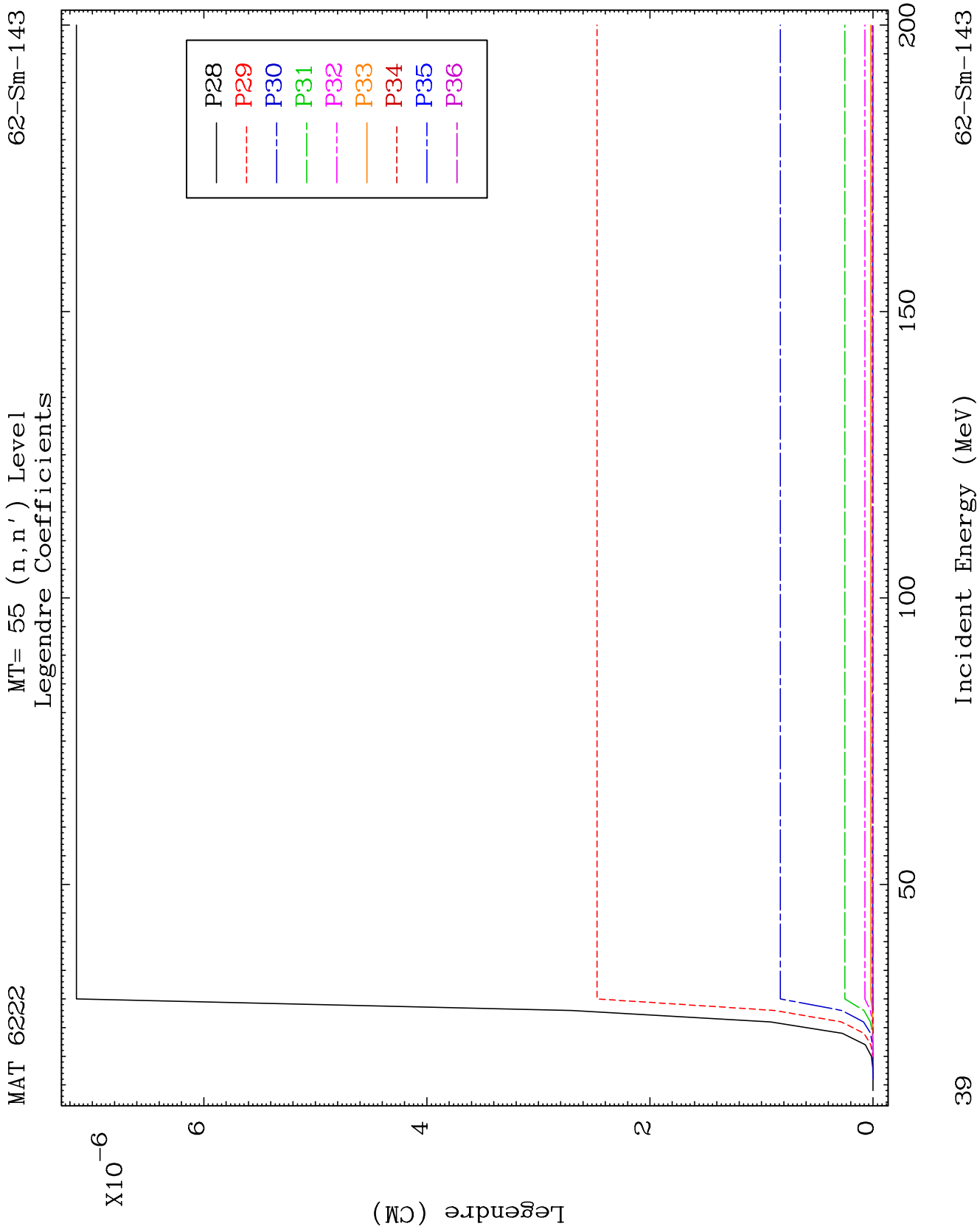


MAT 6222

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

62-Sm-143

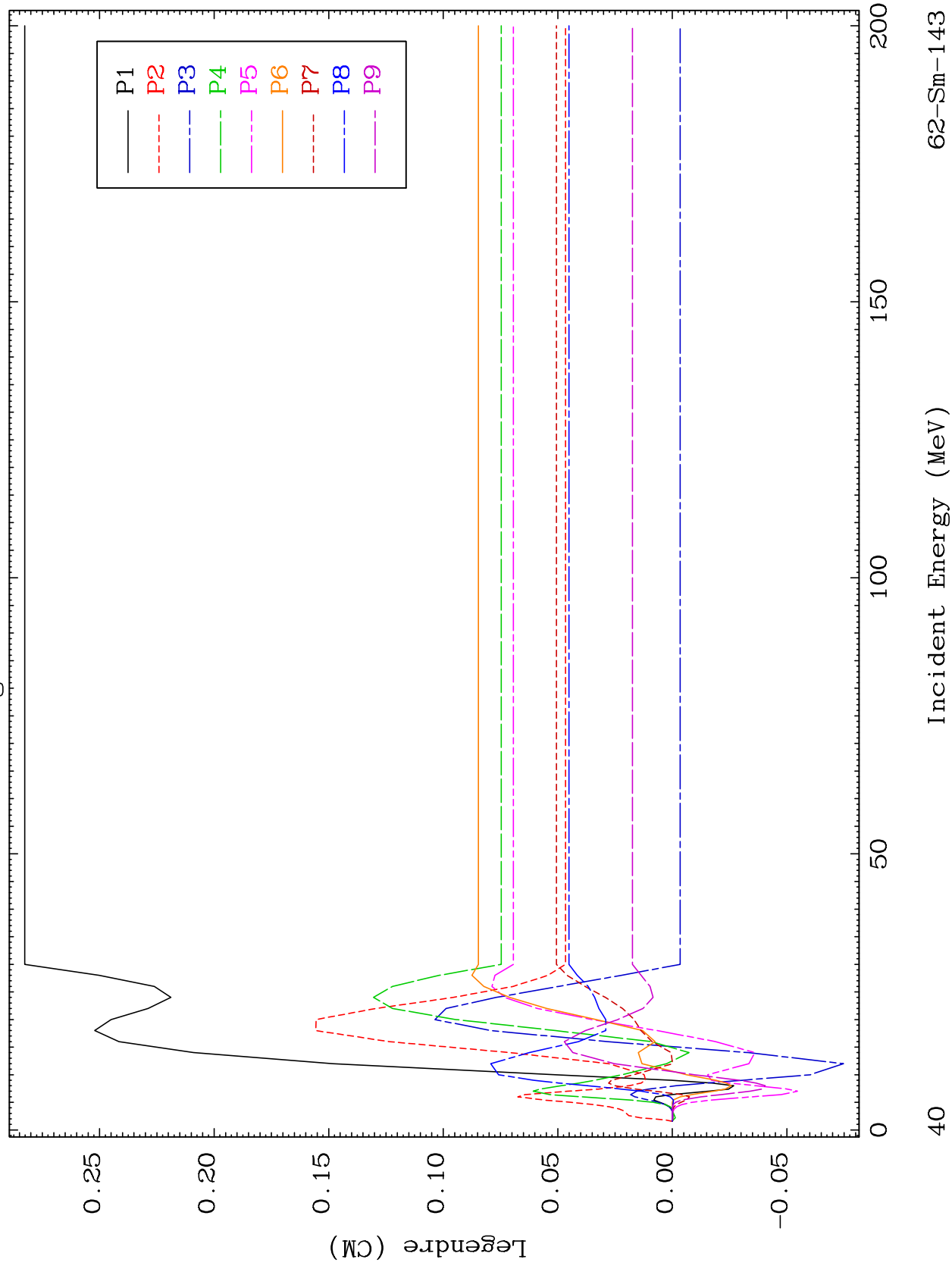


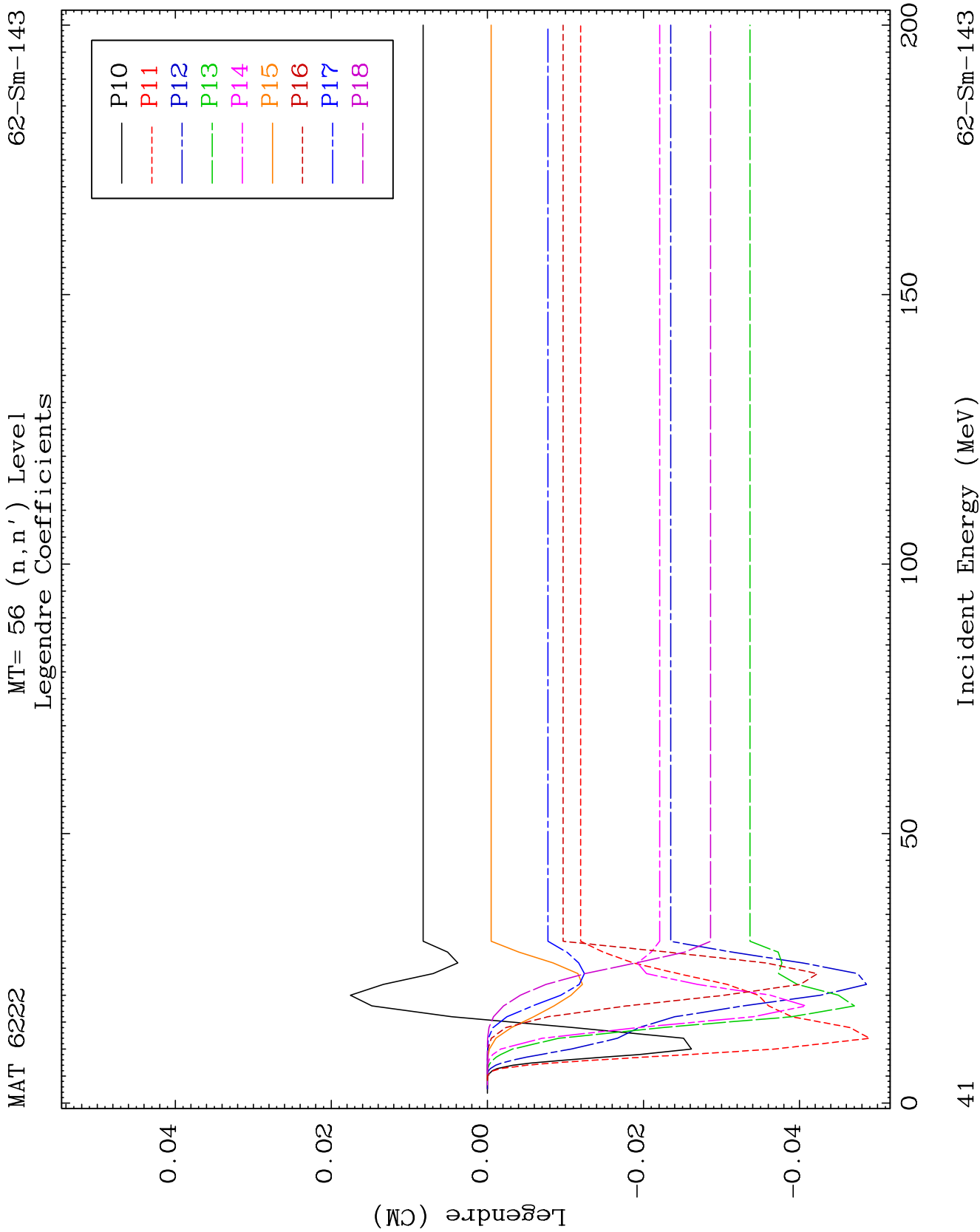


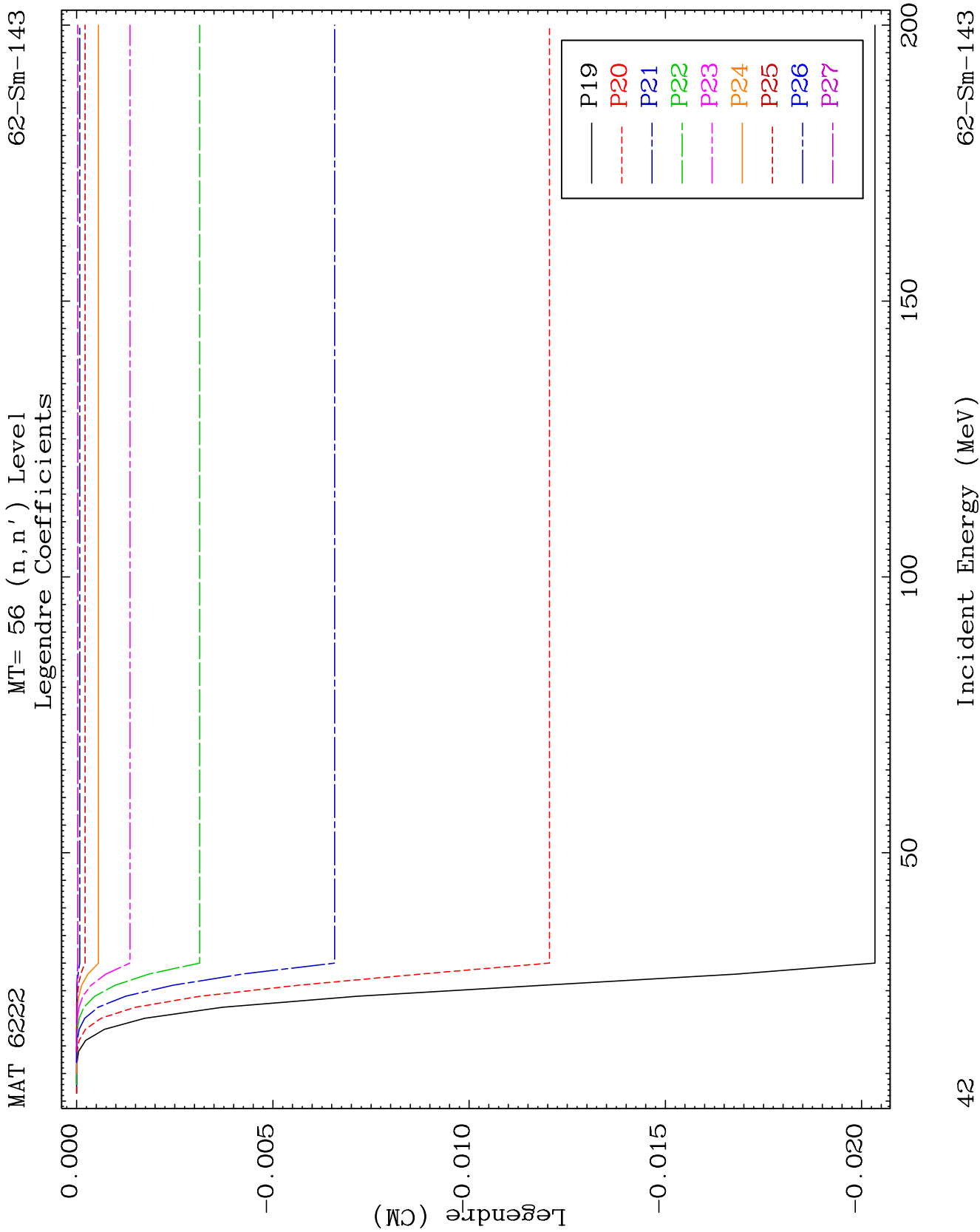
MAT 6222

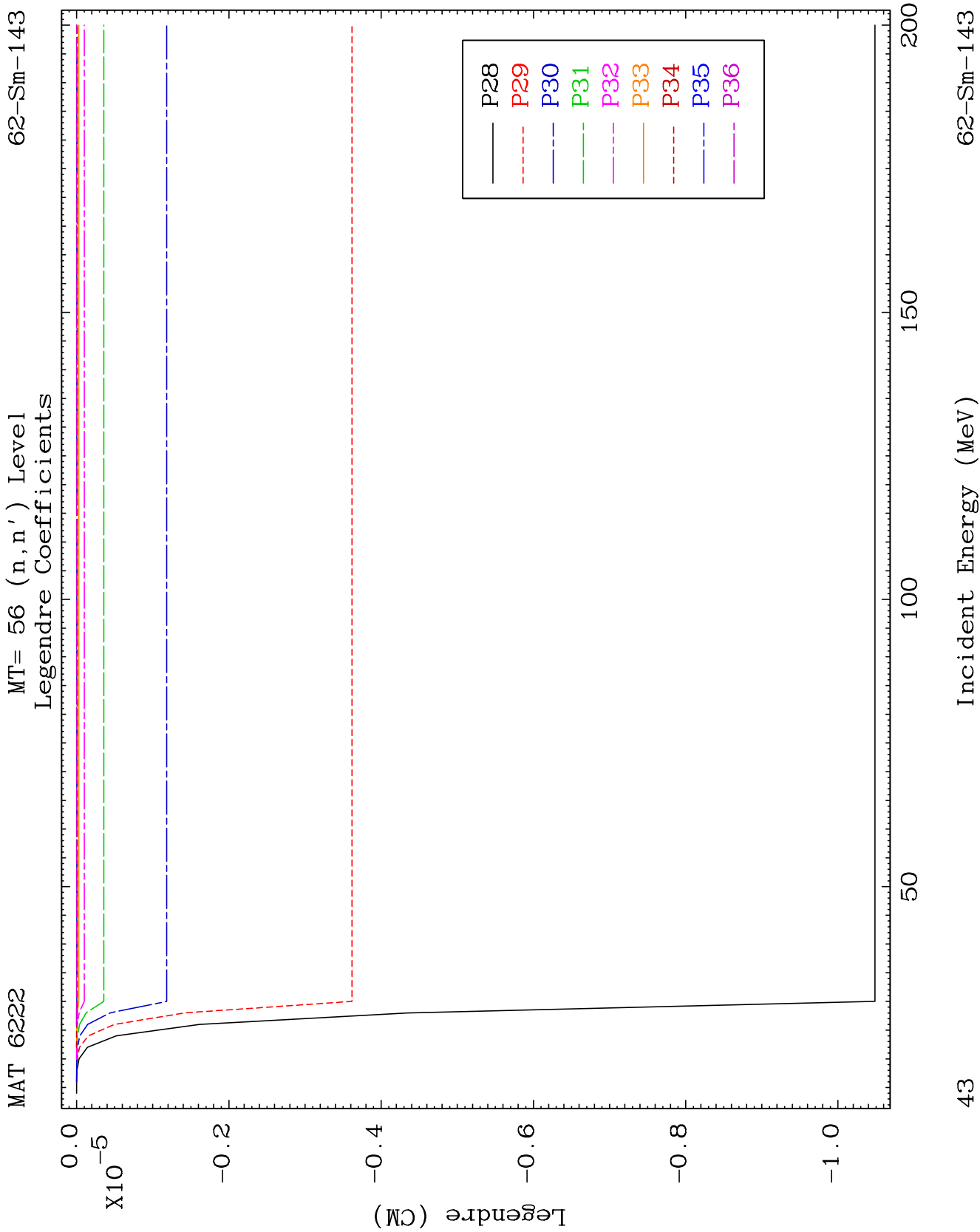
MT= 56 (n, n') Level
Legendre Coefficients

62-Sm-143





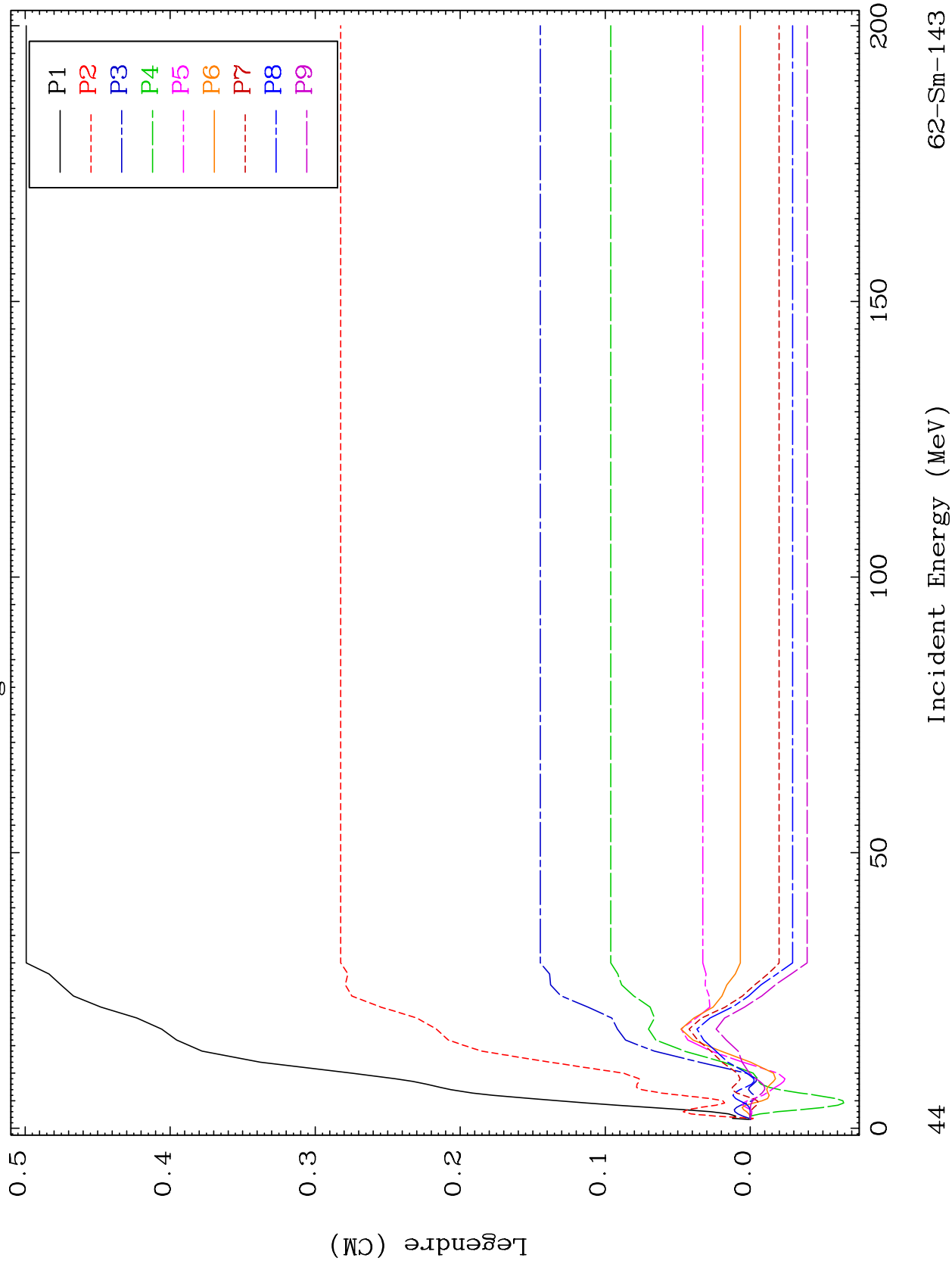


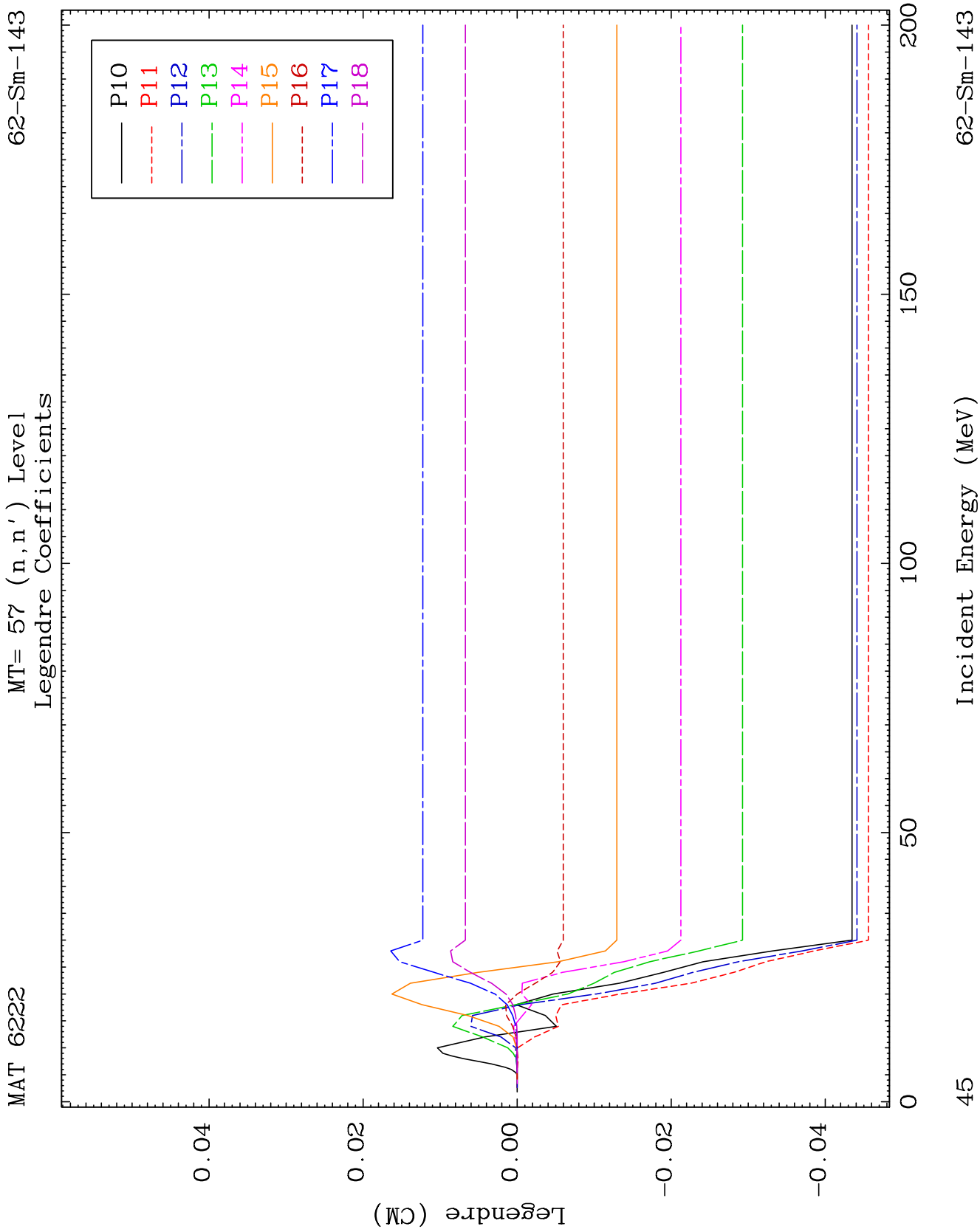


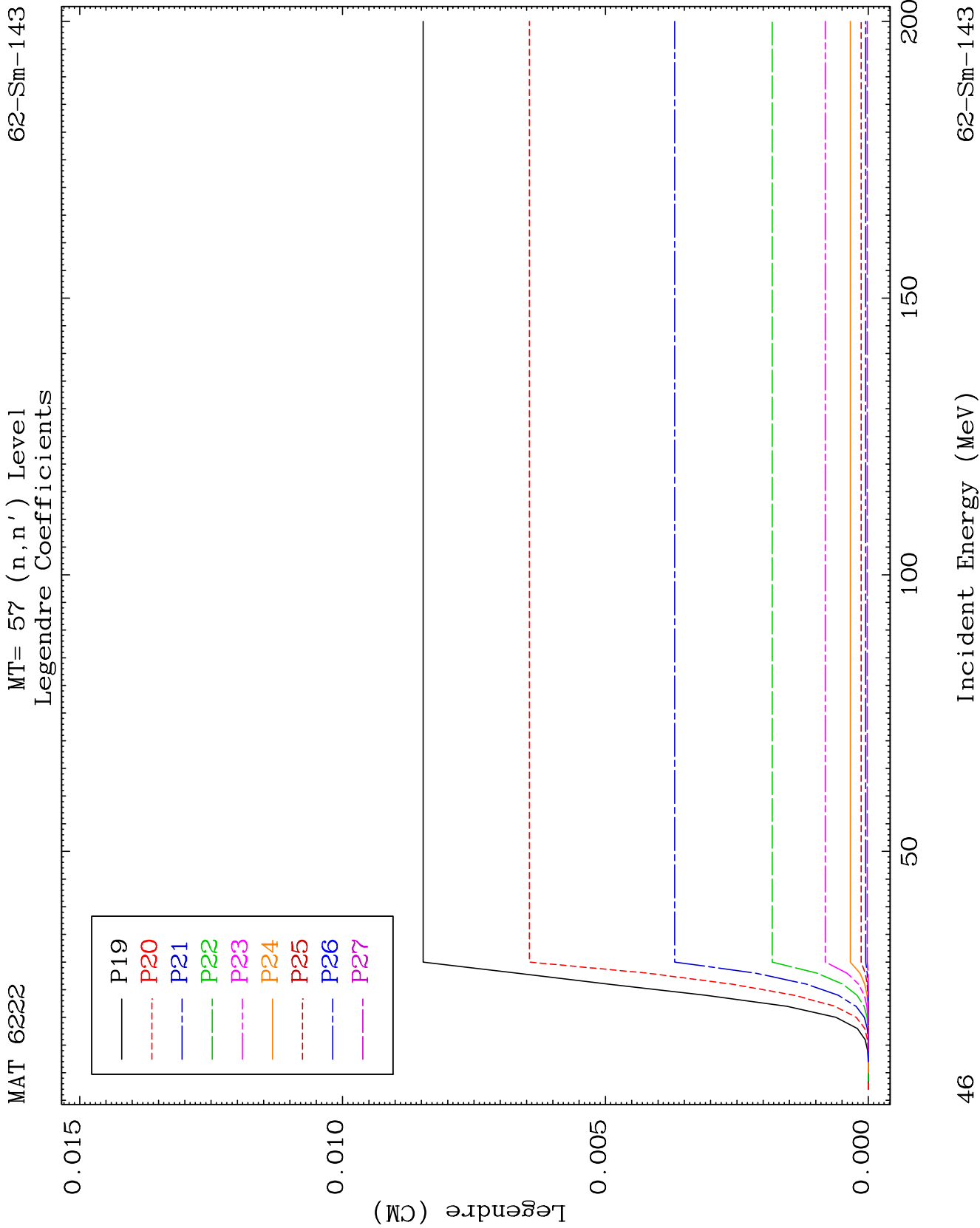
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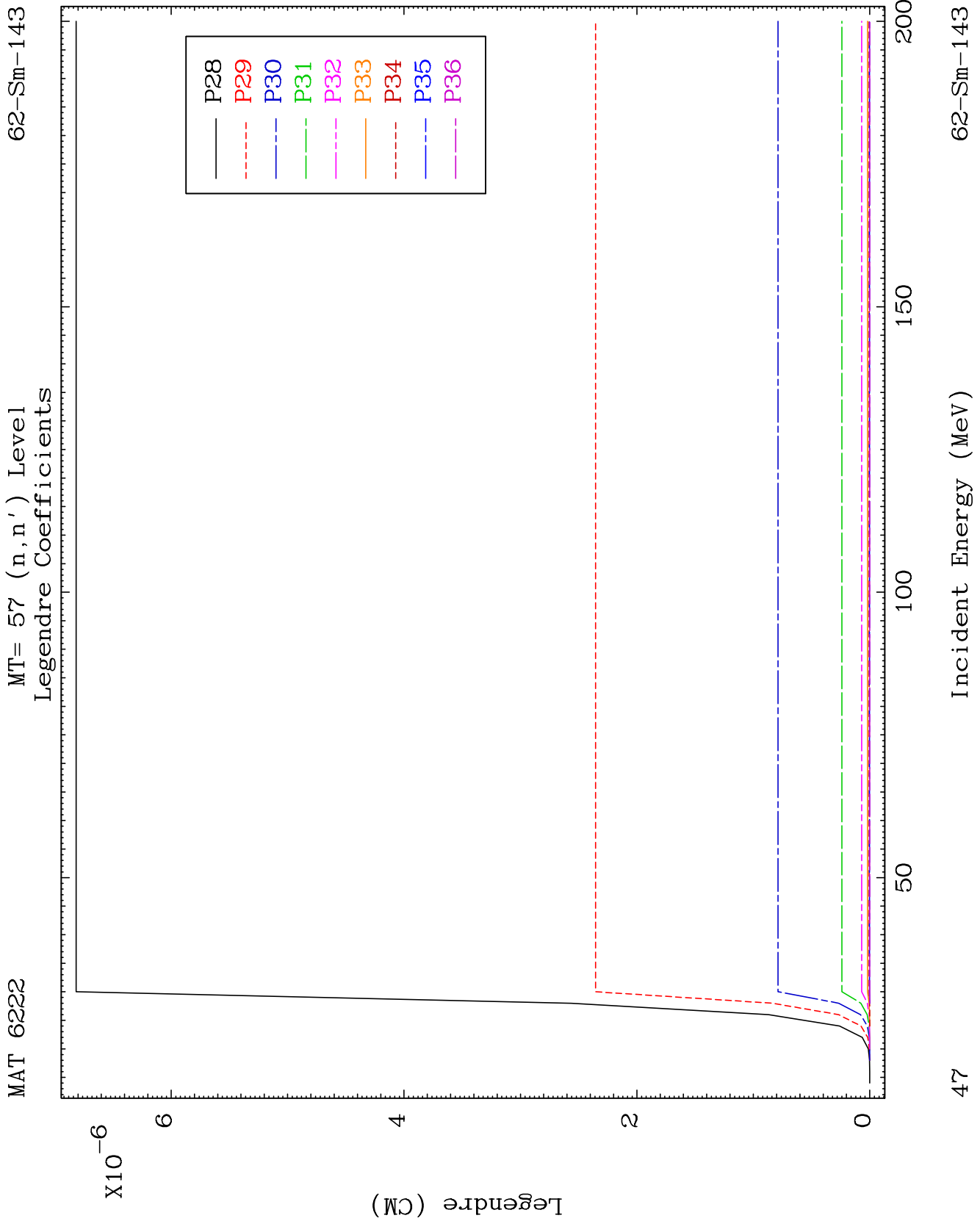
MT= 57 (n, n') Level
Legendre Coefficients

62-Sm-143





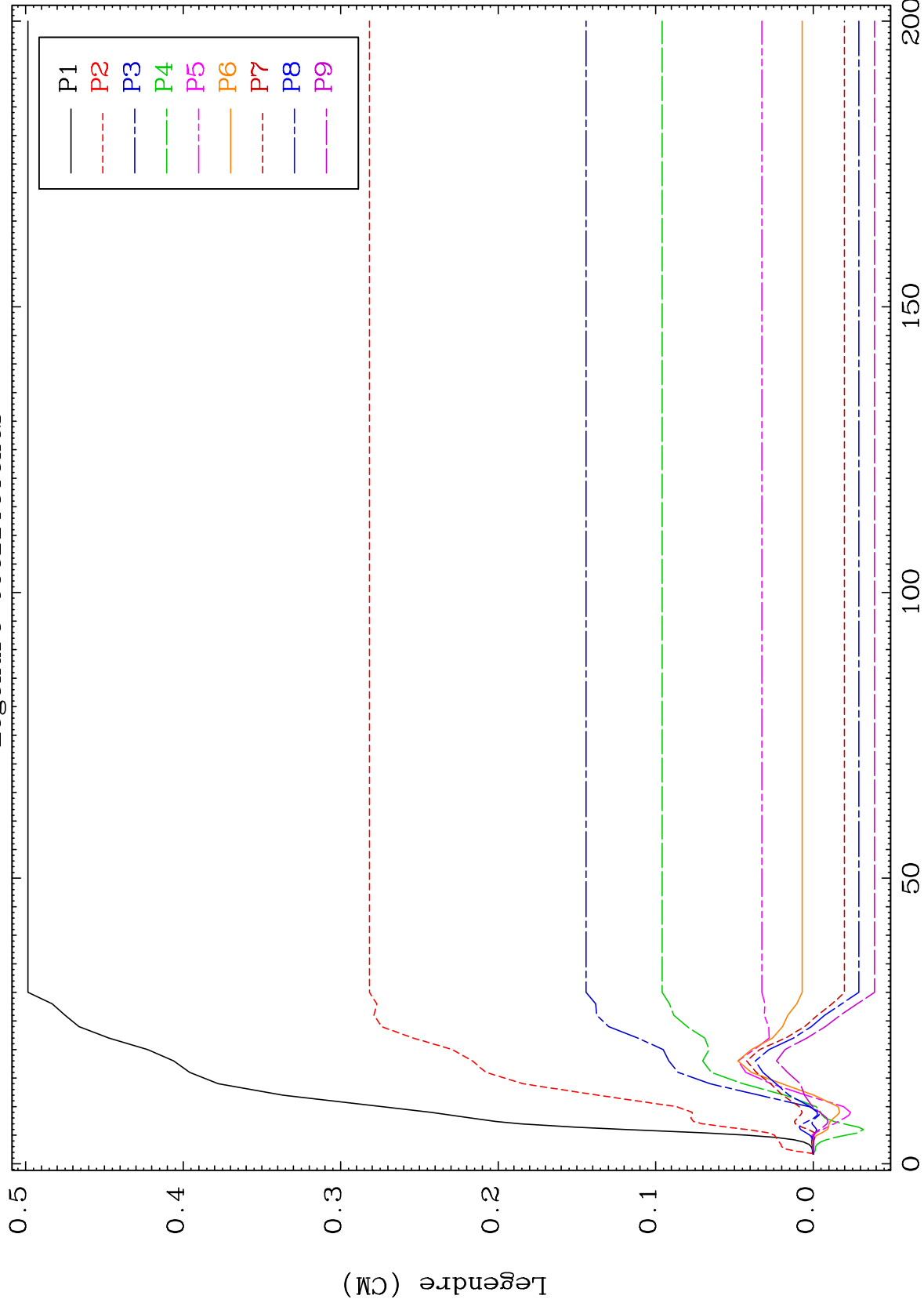




MAT 6222

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

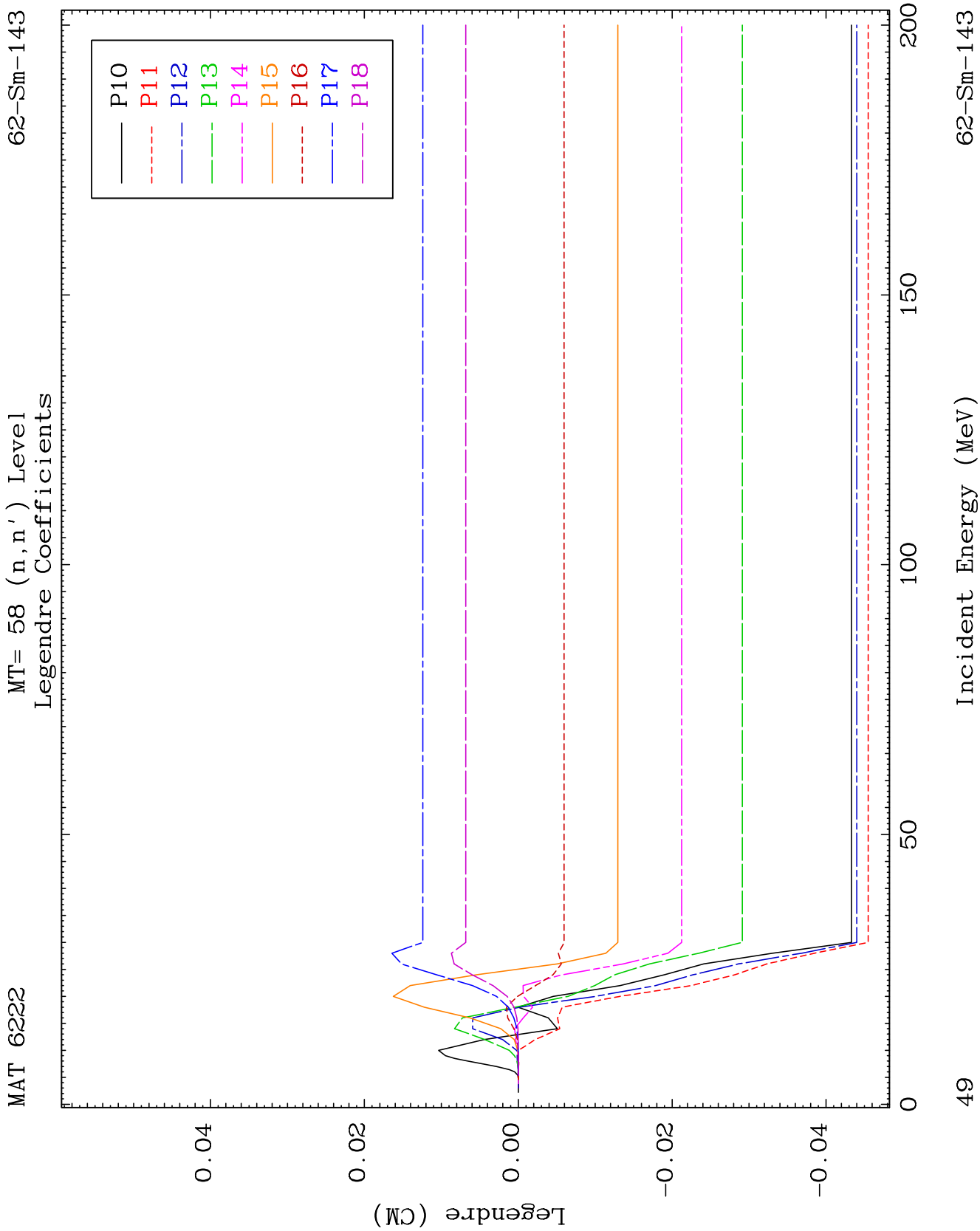
62-Sm-143



48

Incident Energy (MeV)

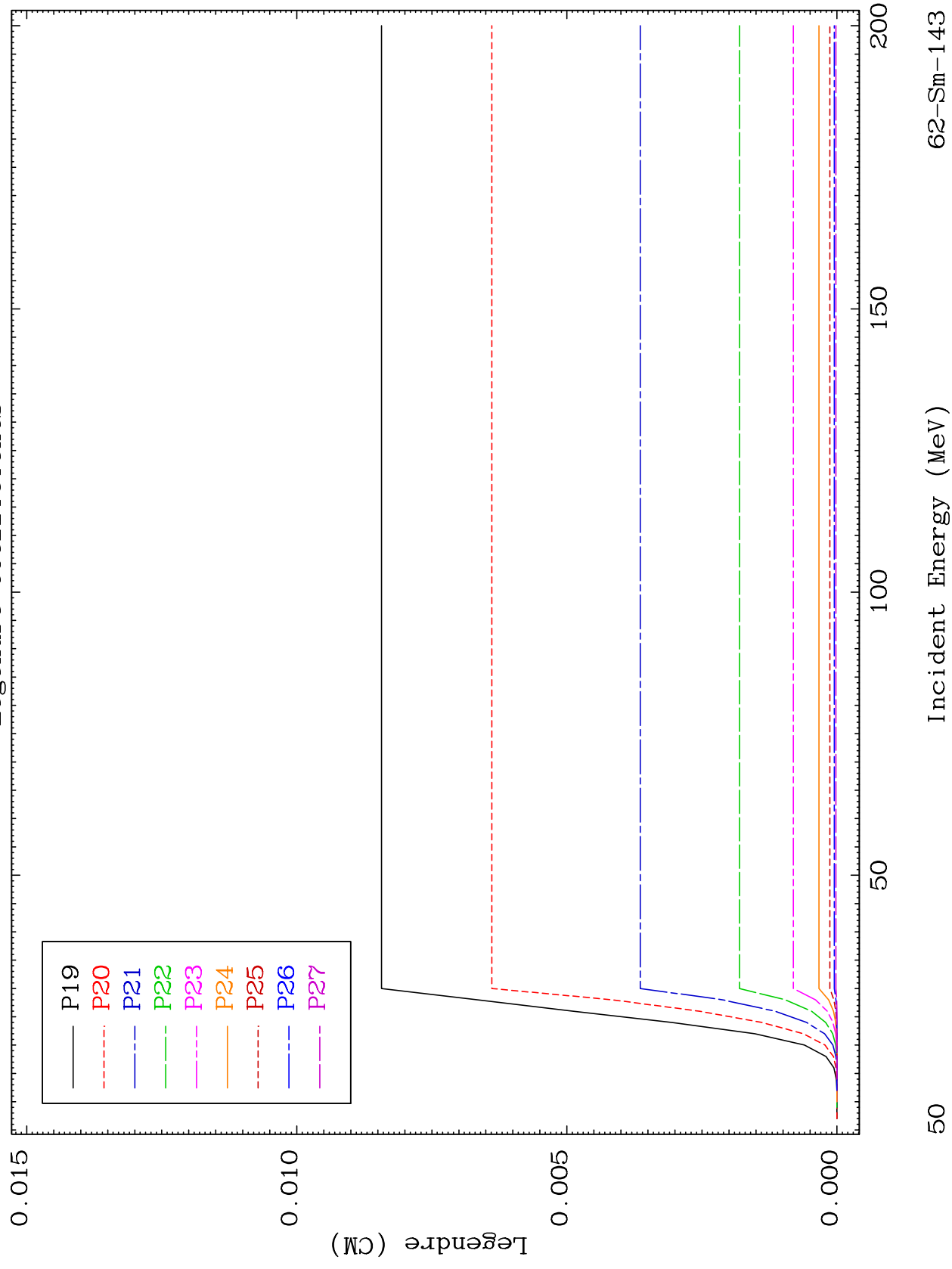
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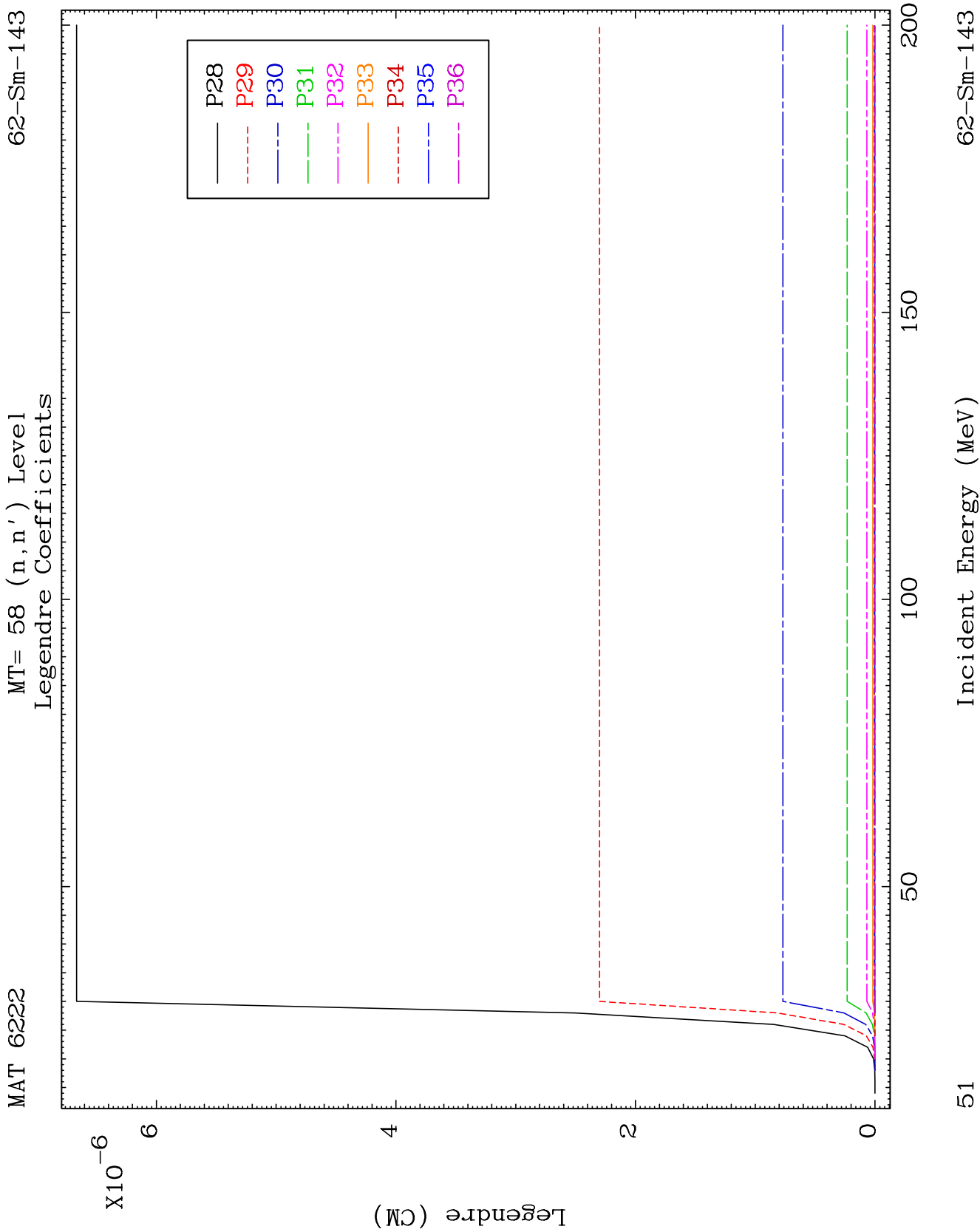


MAT 6222

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

62-Sm-143

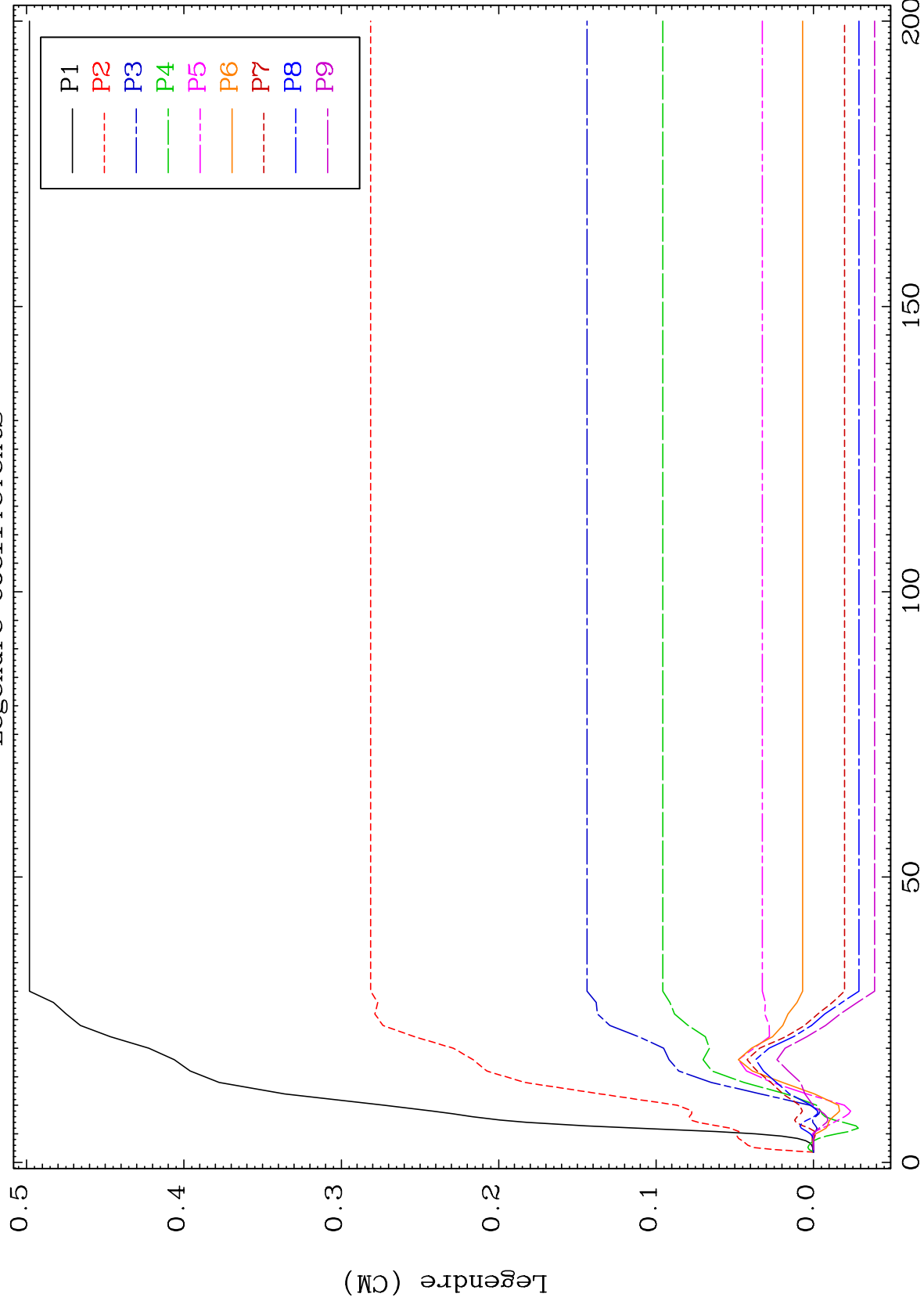




MAT 6222

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

62-Sm-143



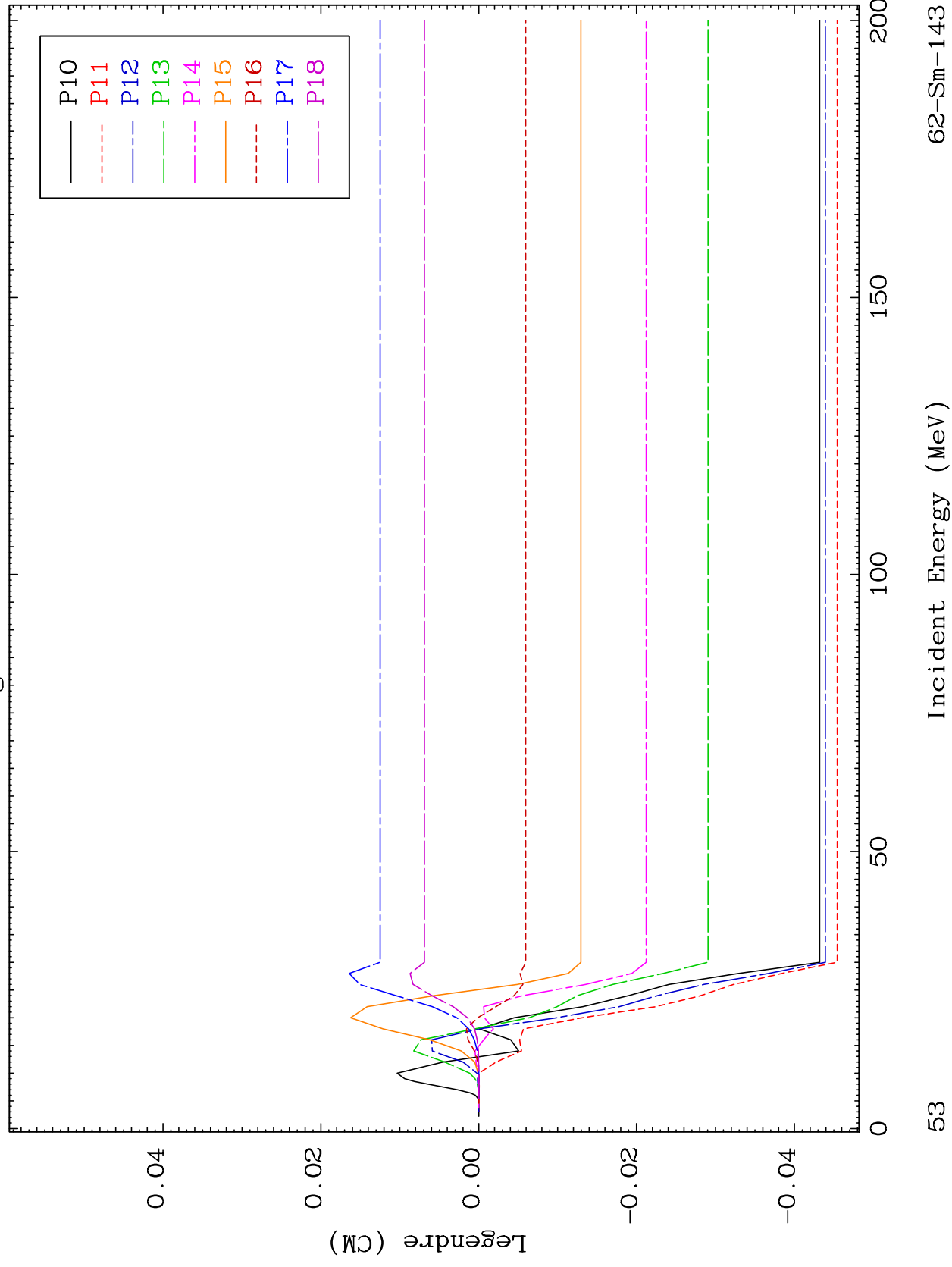
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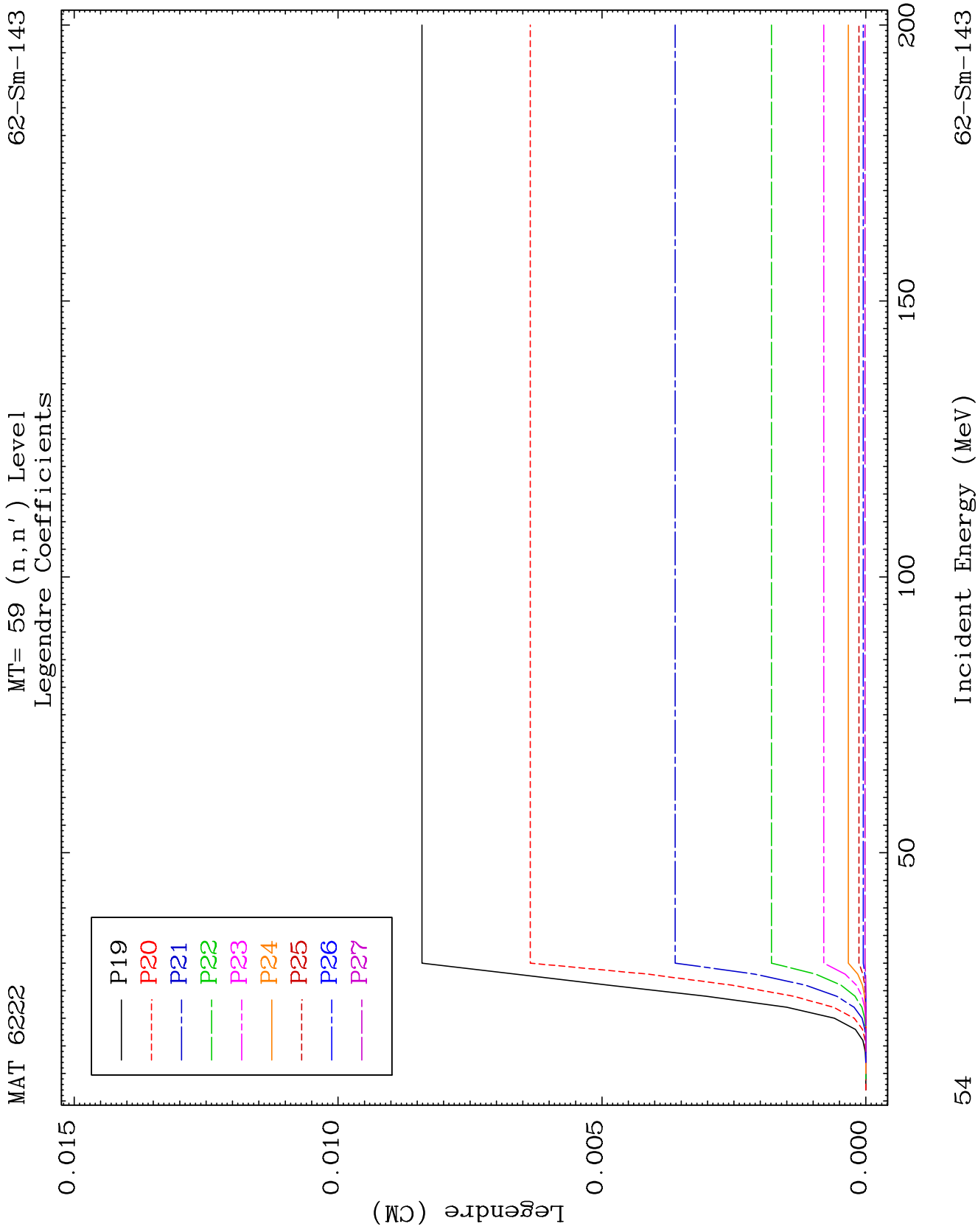
Incident Energy (MeV)

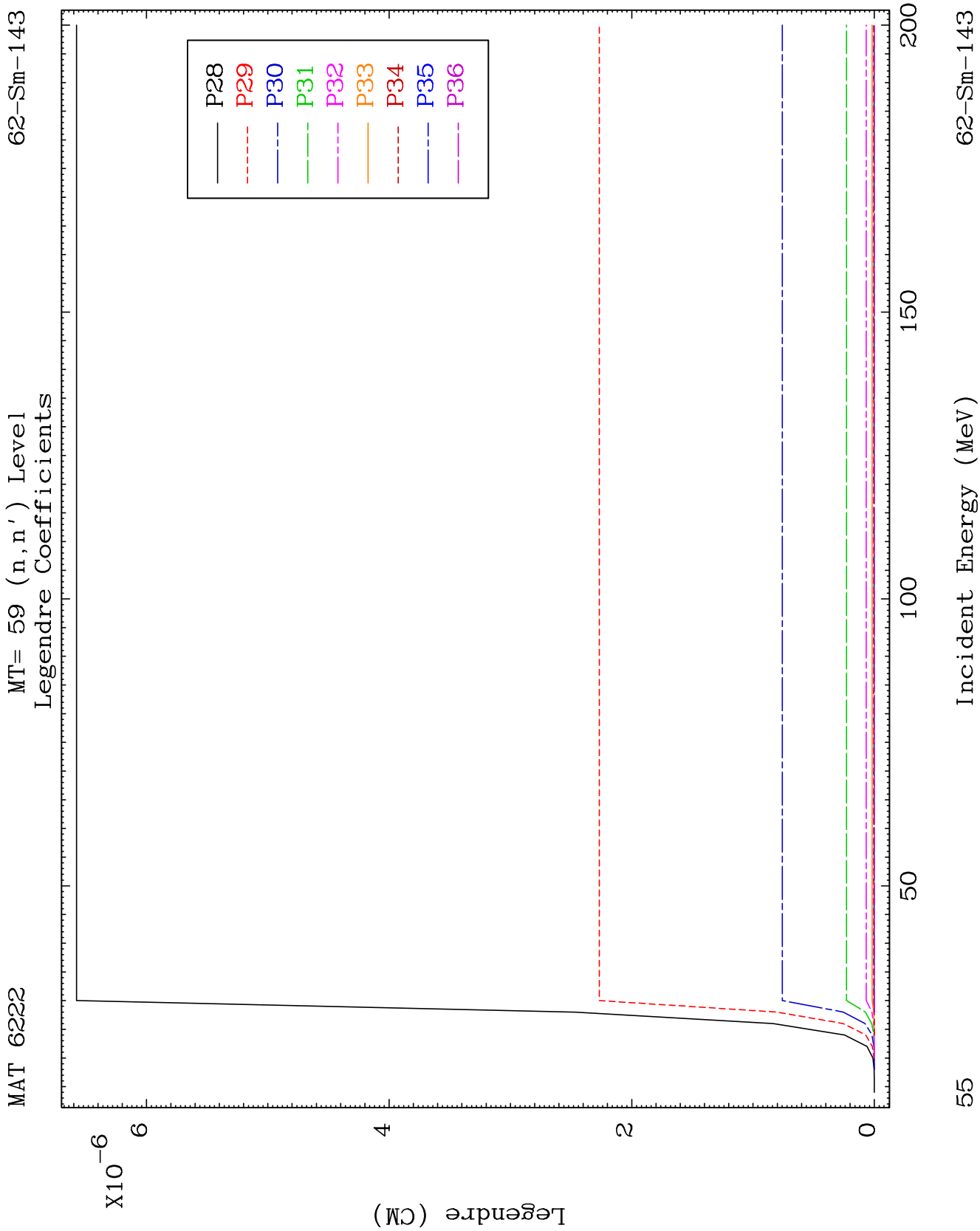
MAT 6222

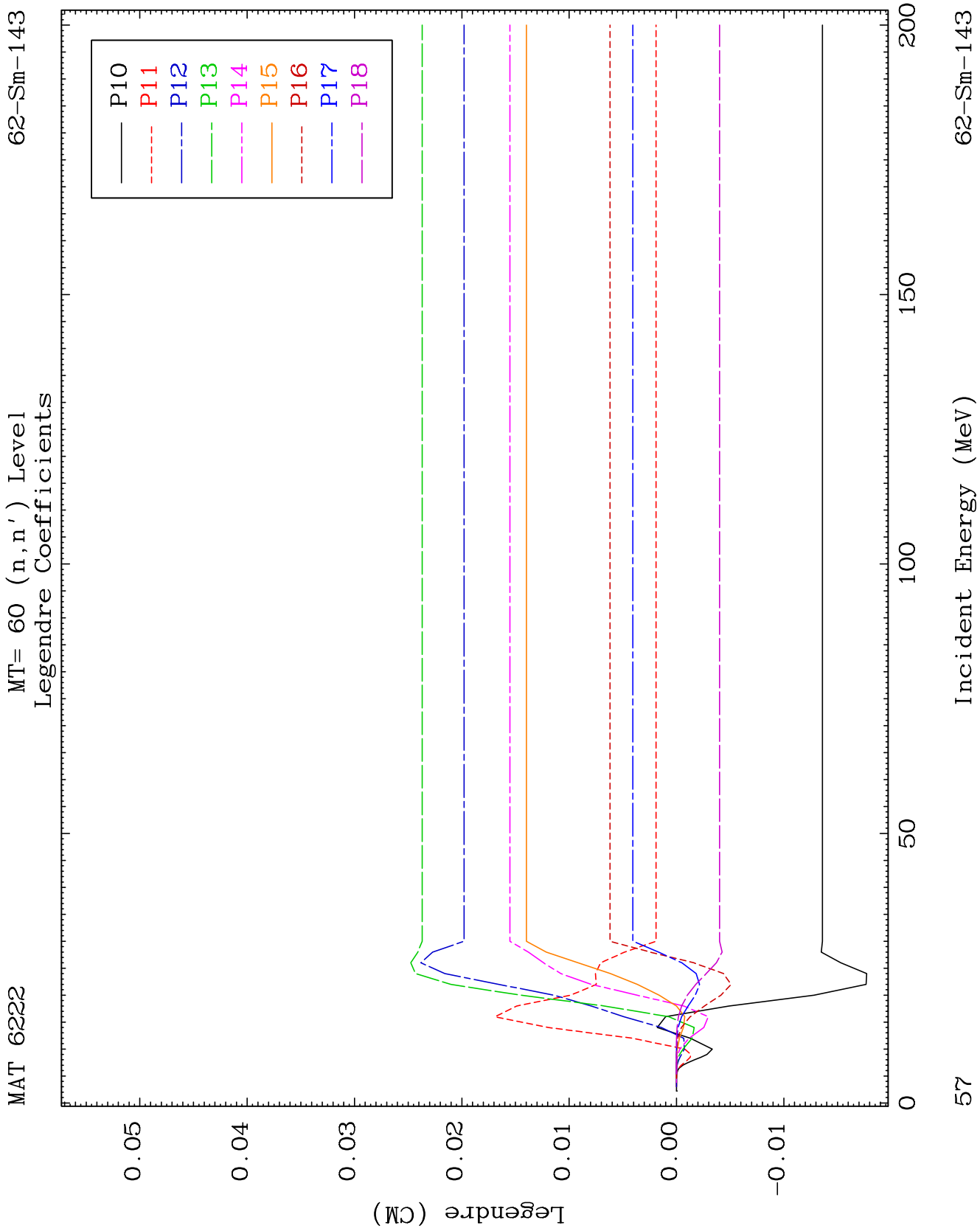
MT= 59 (n, n') Level
Legendre Coefficients

62-Sm-143





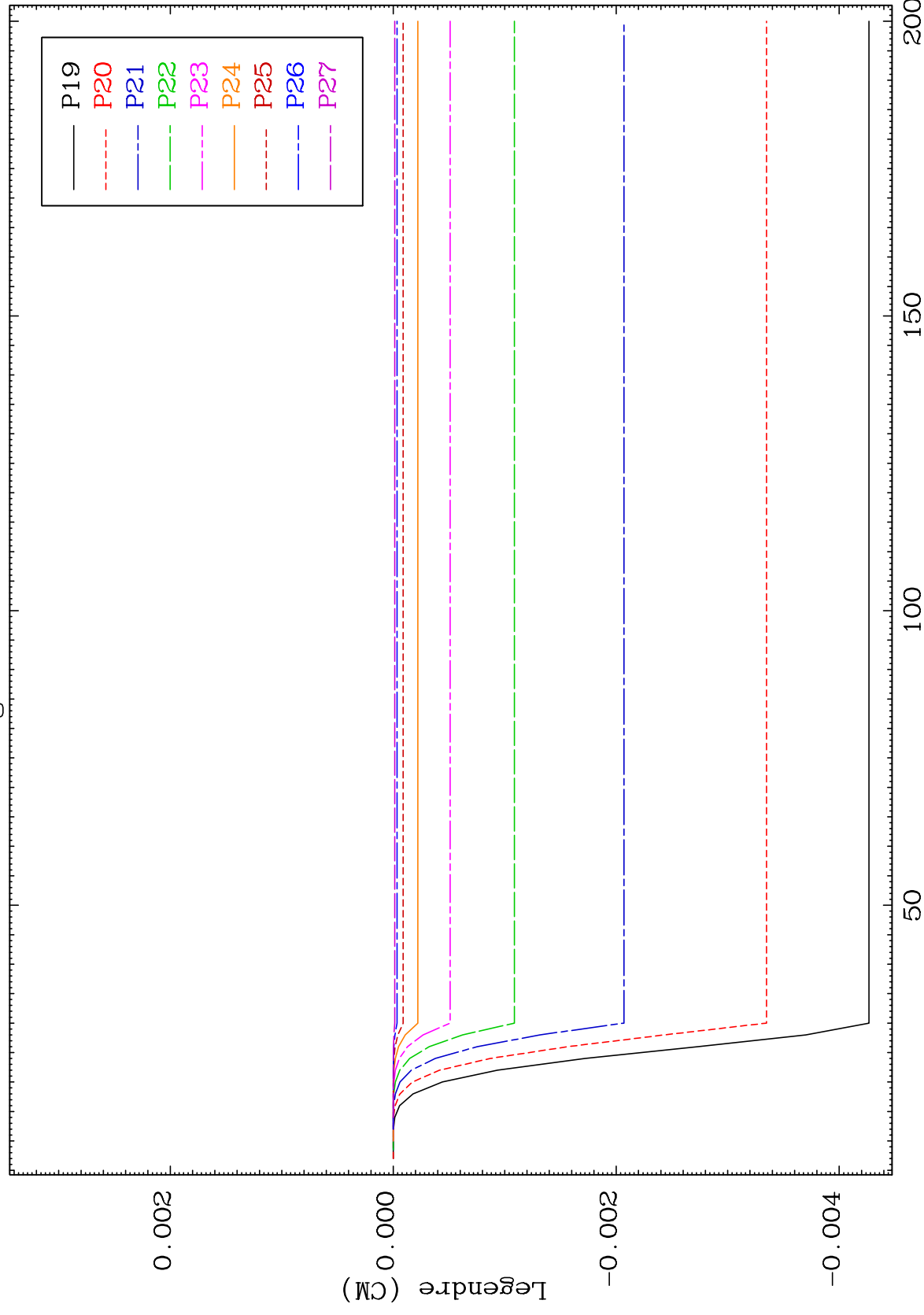




MAT 6222

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

62-Sm-143



58

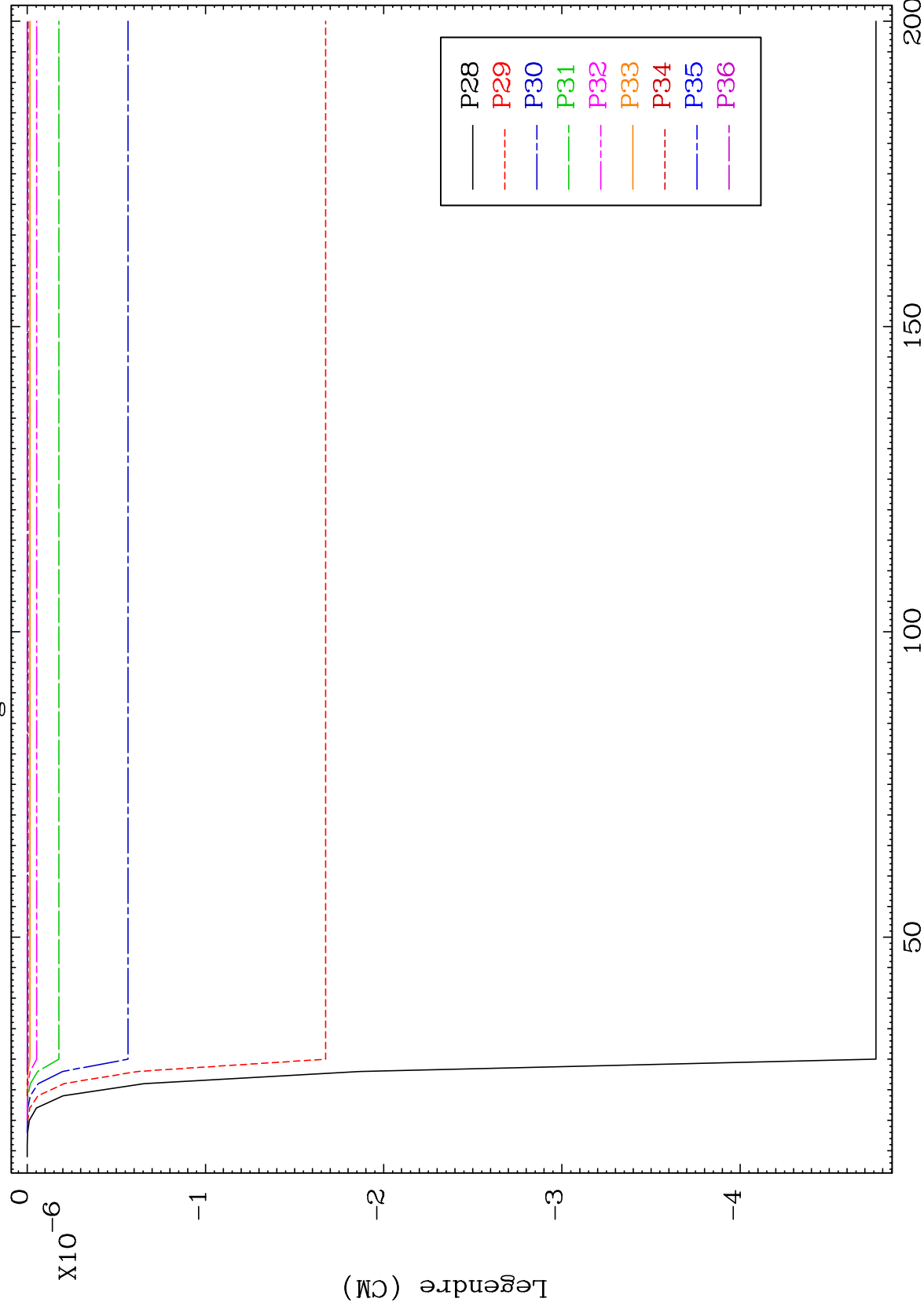
Incident Energy (MeV)

62-Sm-143

MAT 6222

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

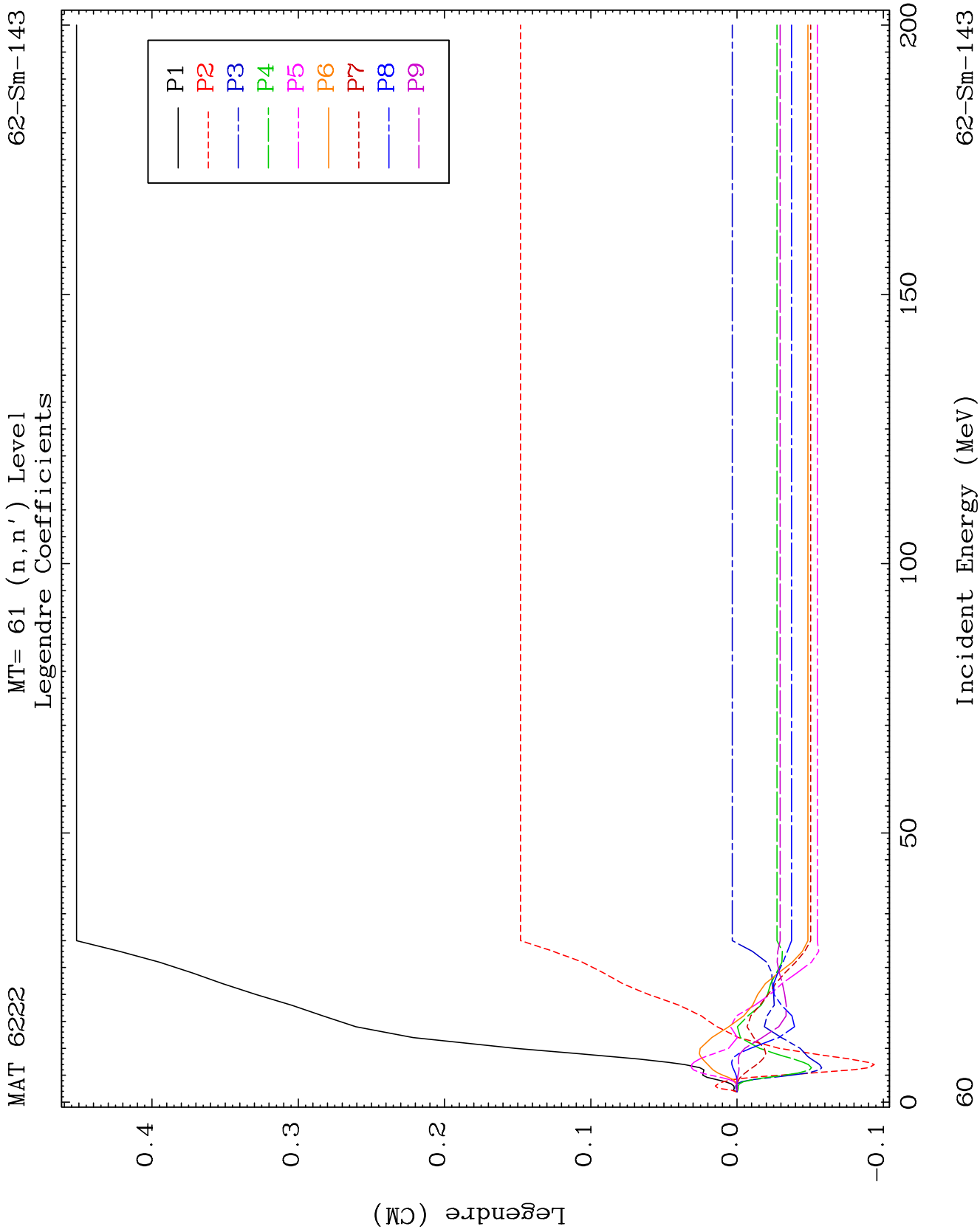
62-Sm-143



59

Incident Energy (MeV)

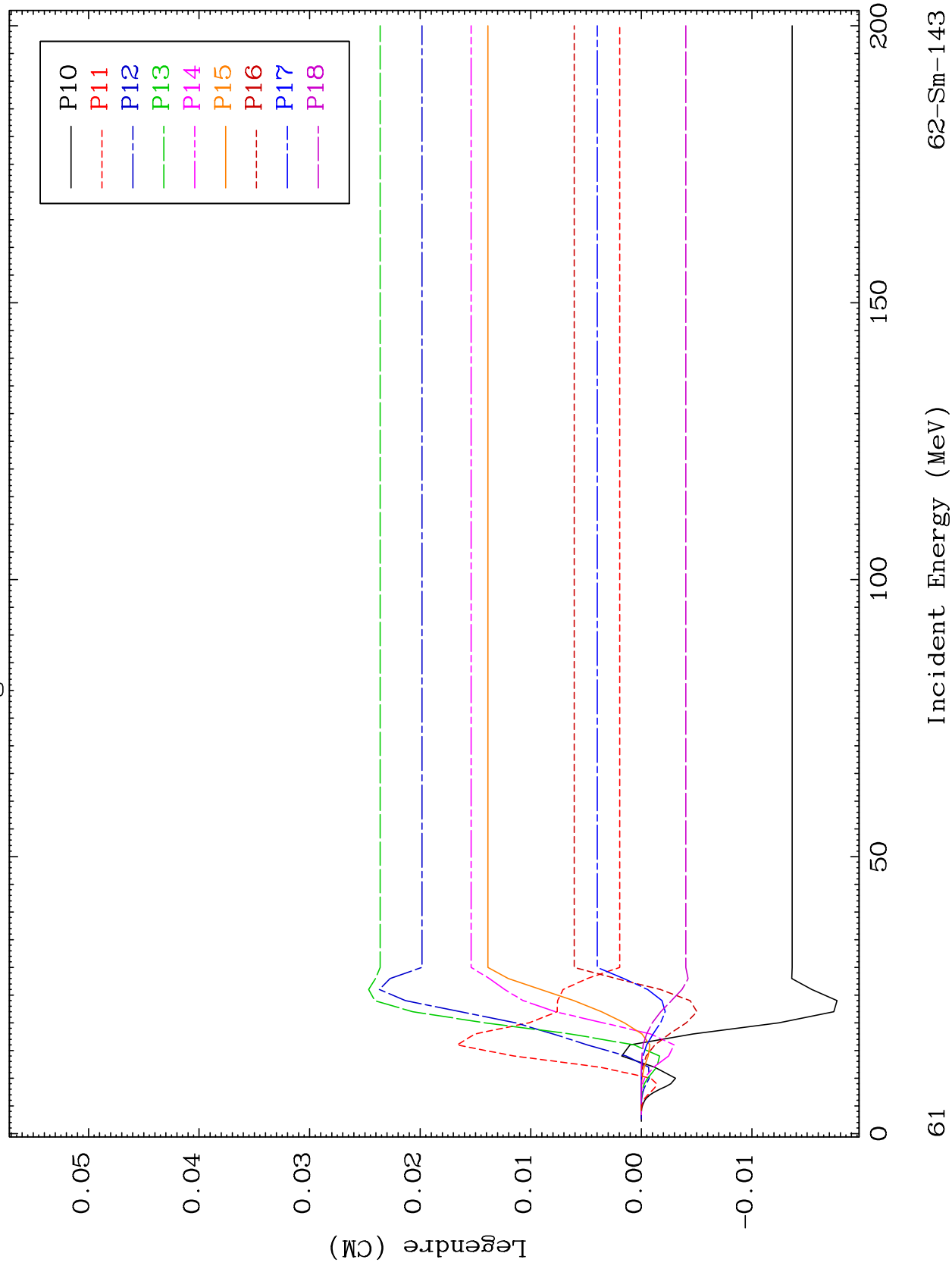
62-Sm-143

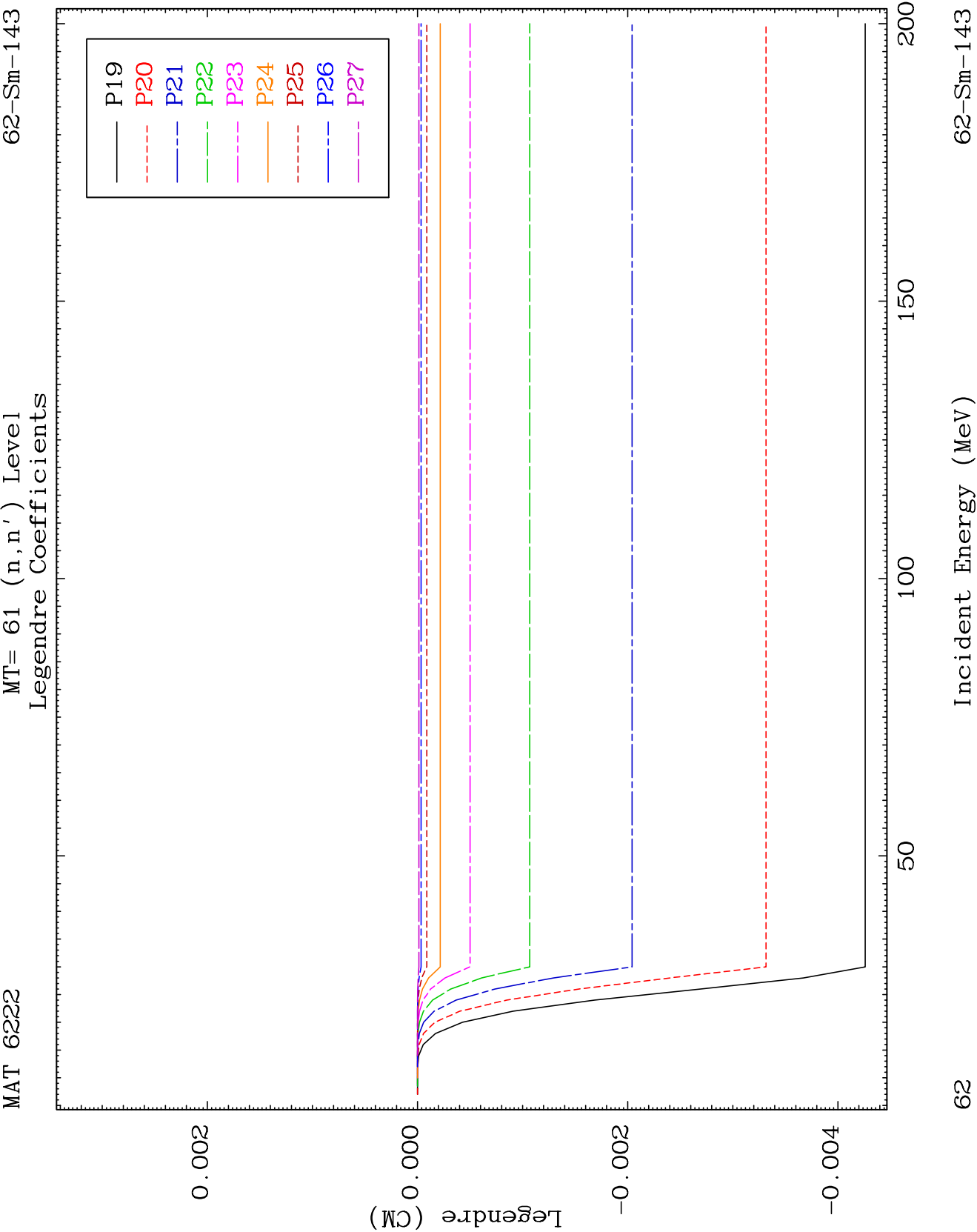


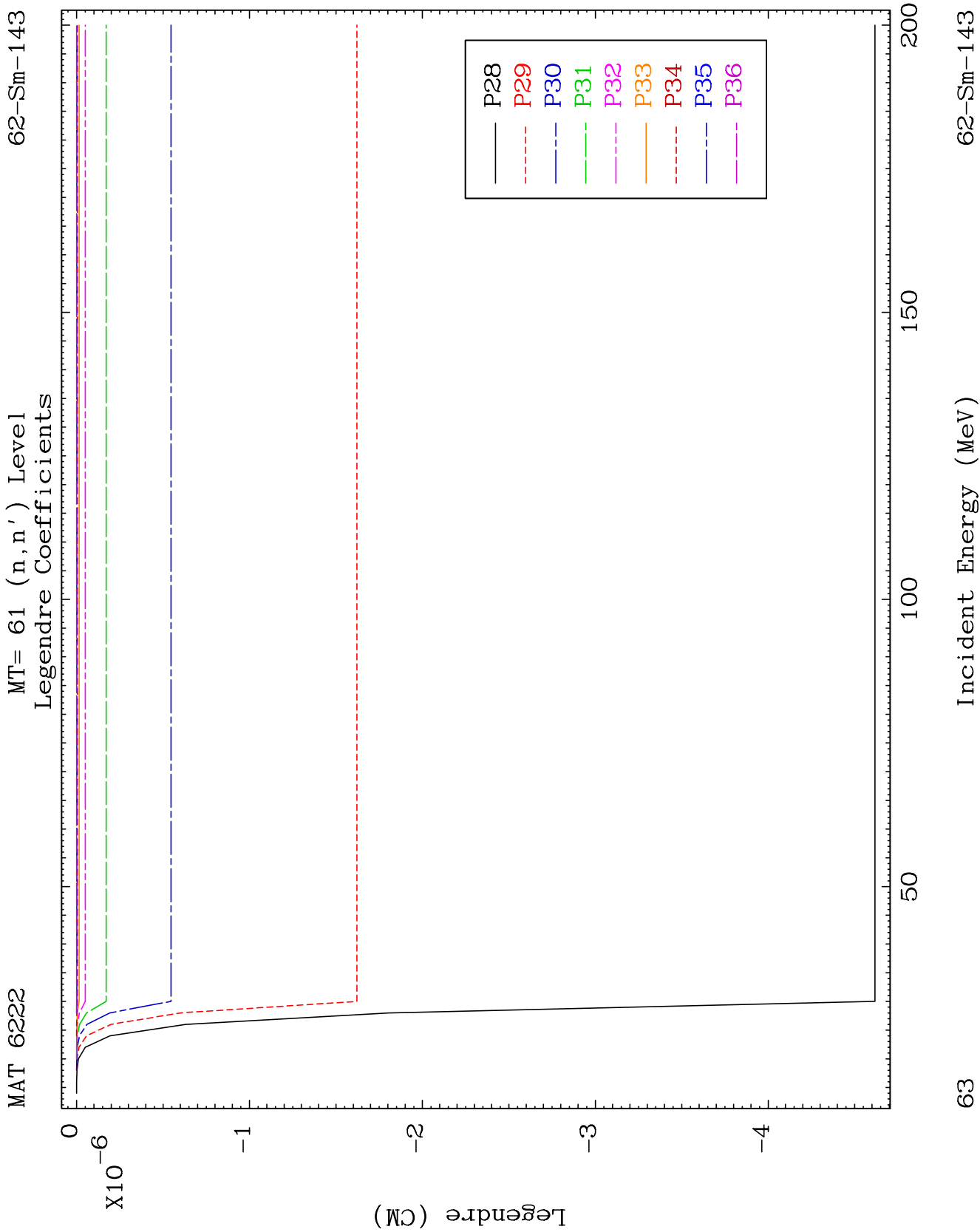
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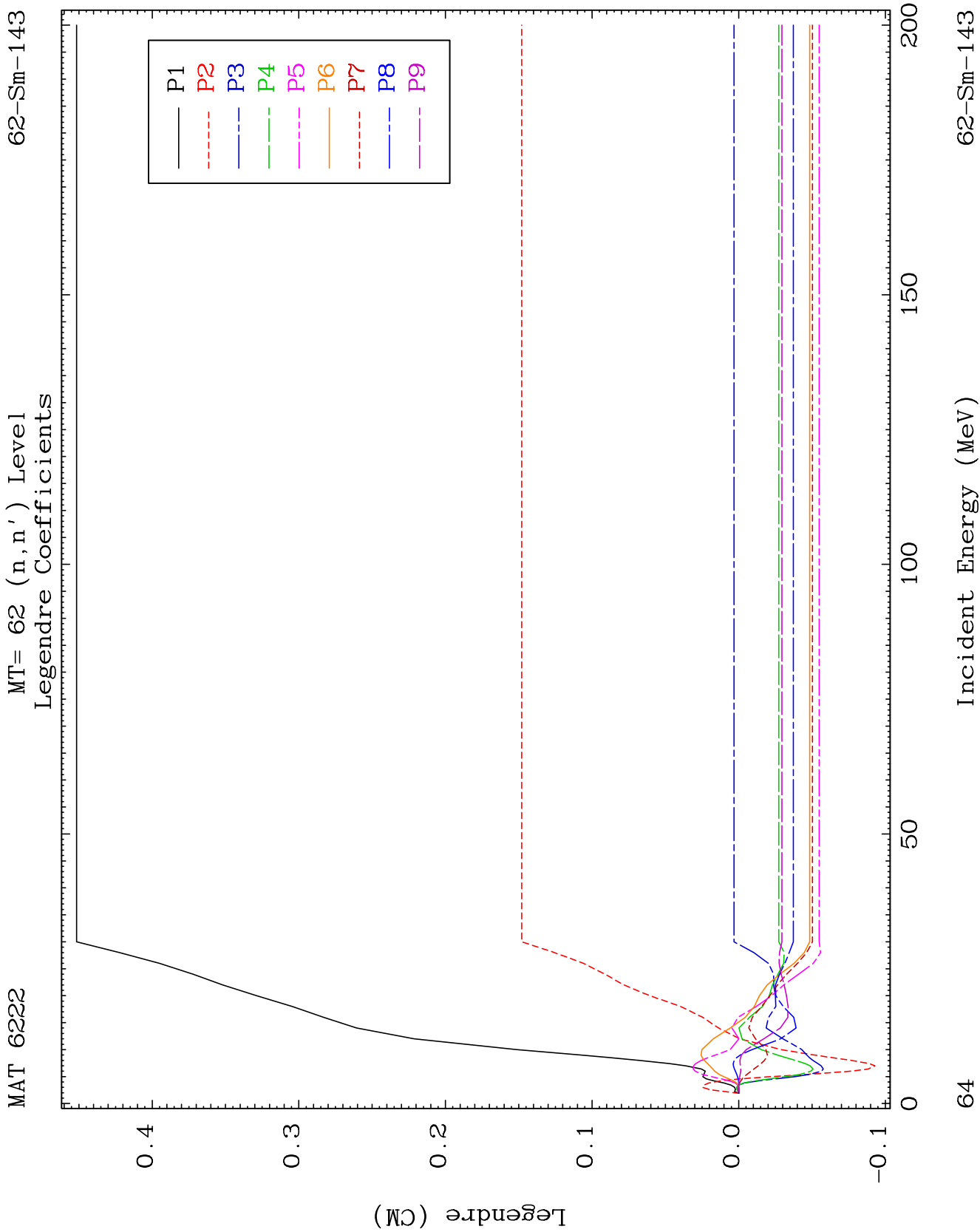
MT= 61 (n, n') Level
Legendre Coefficients

62-Sm-143





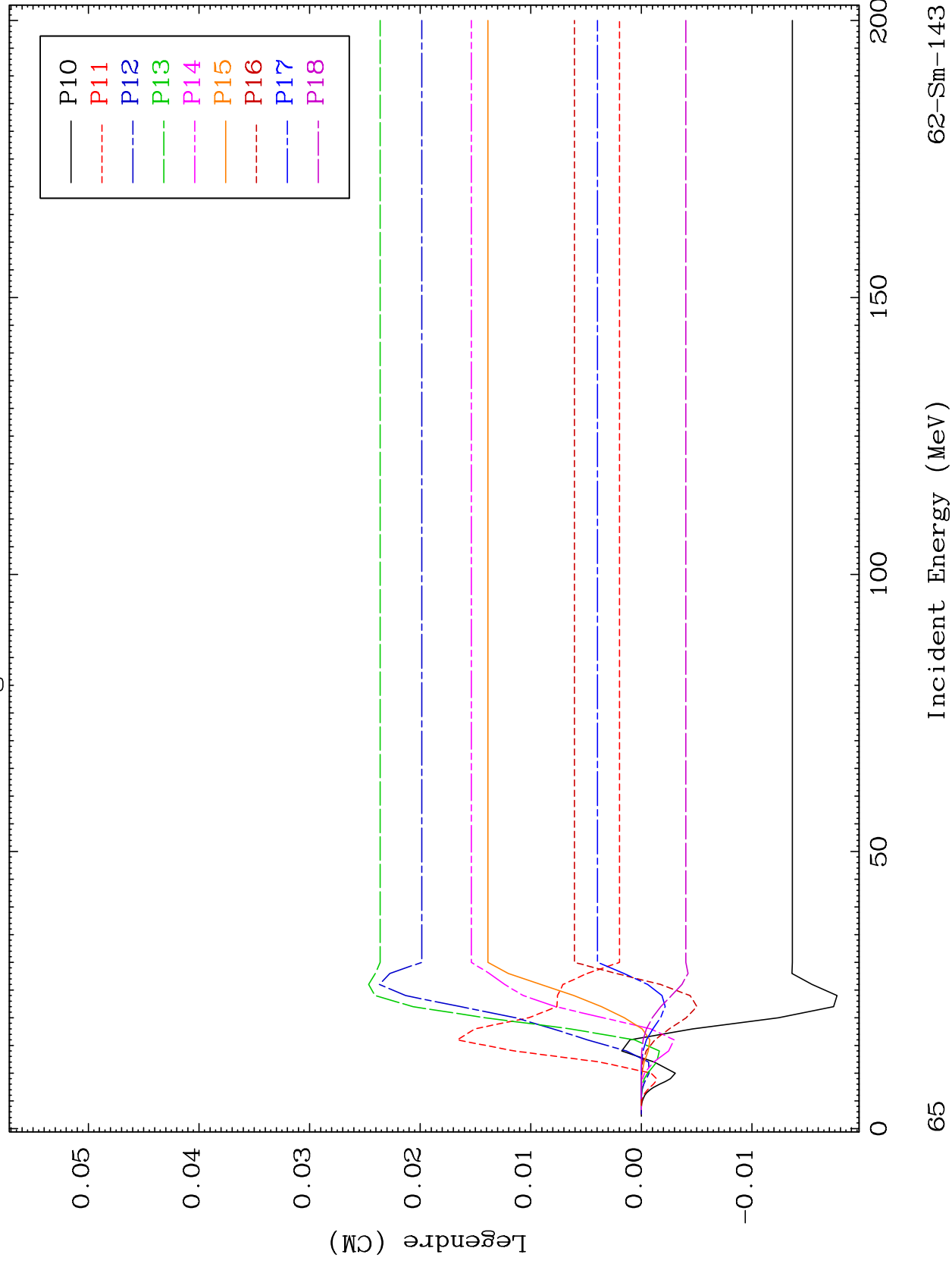


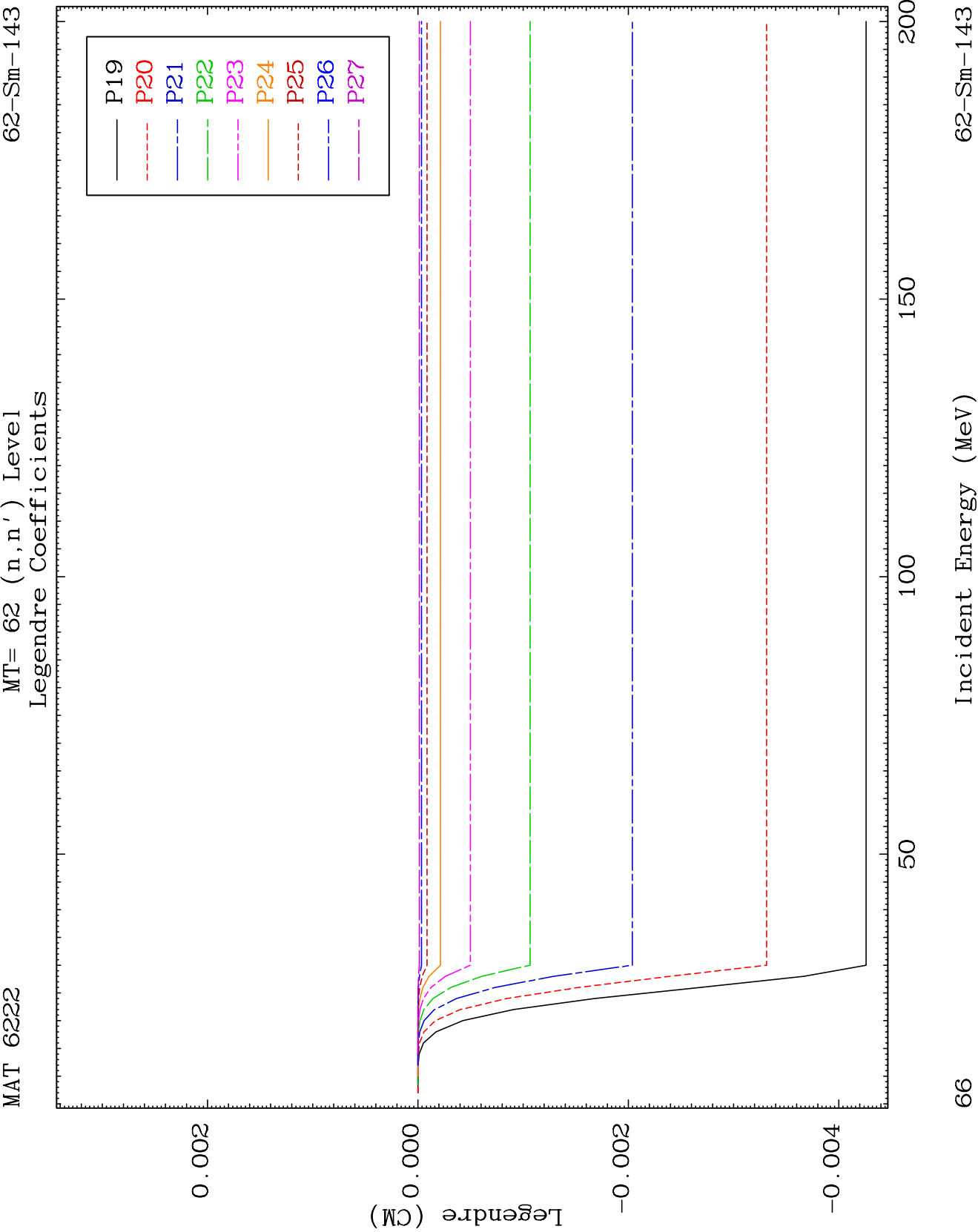


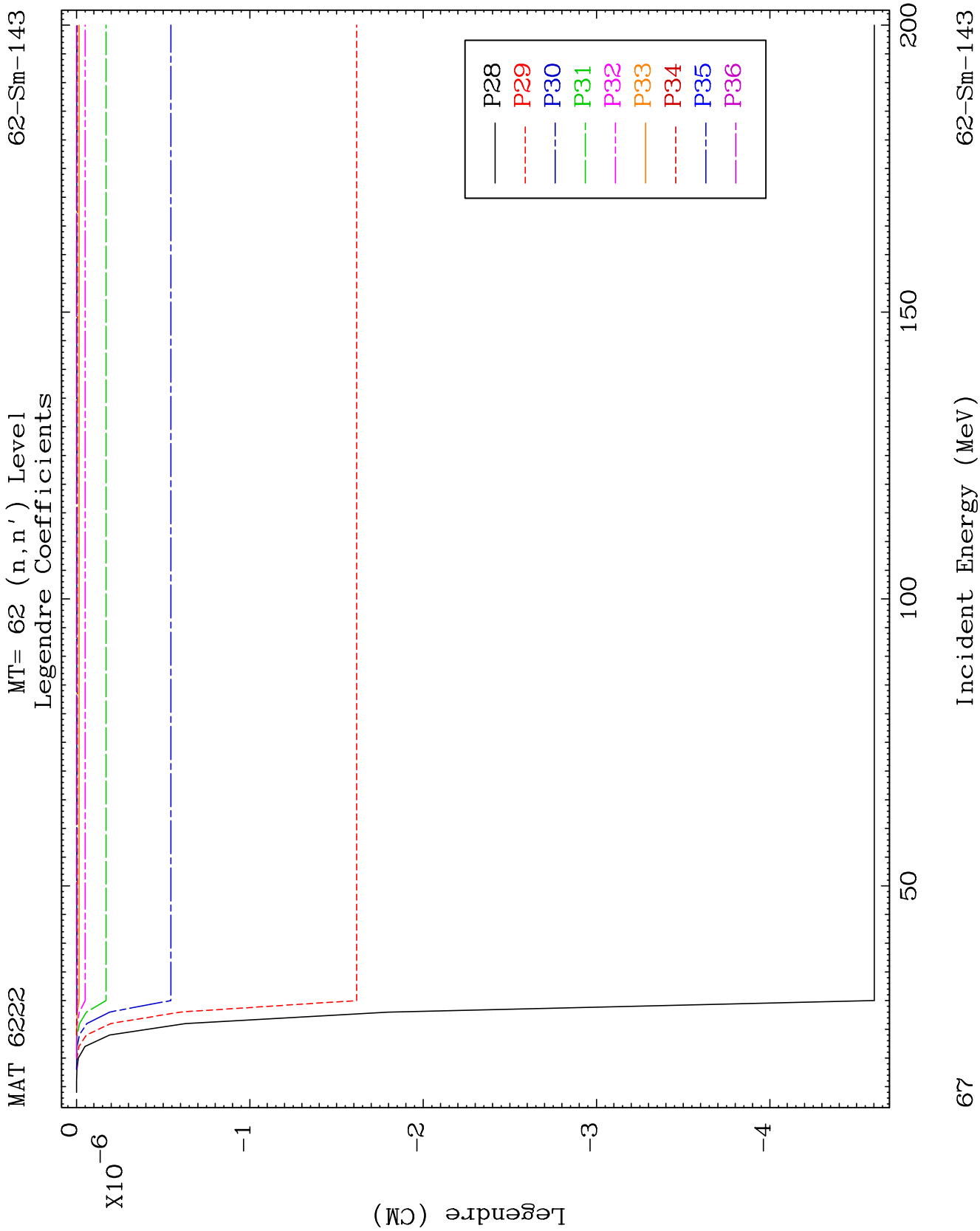
MAT 6222

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

62-Sm-143



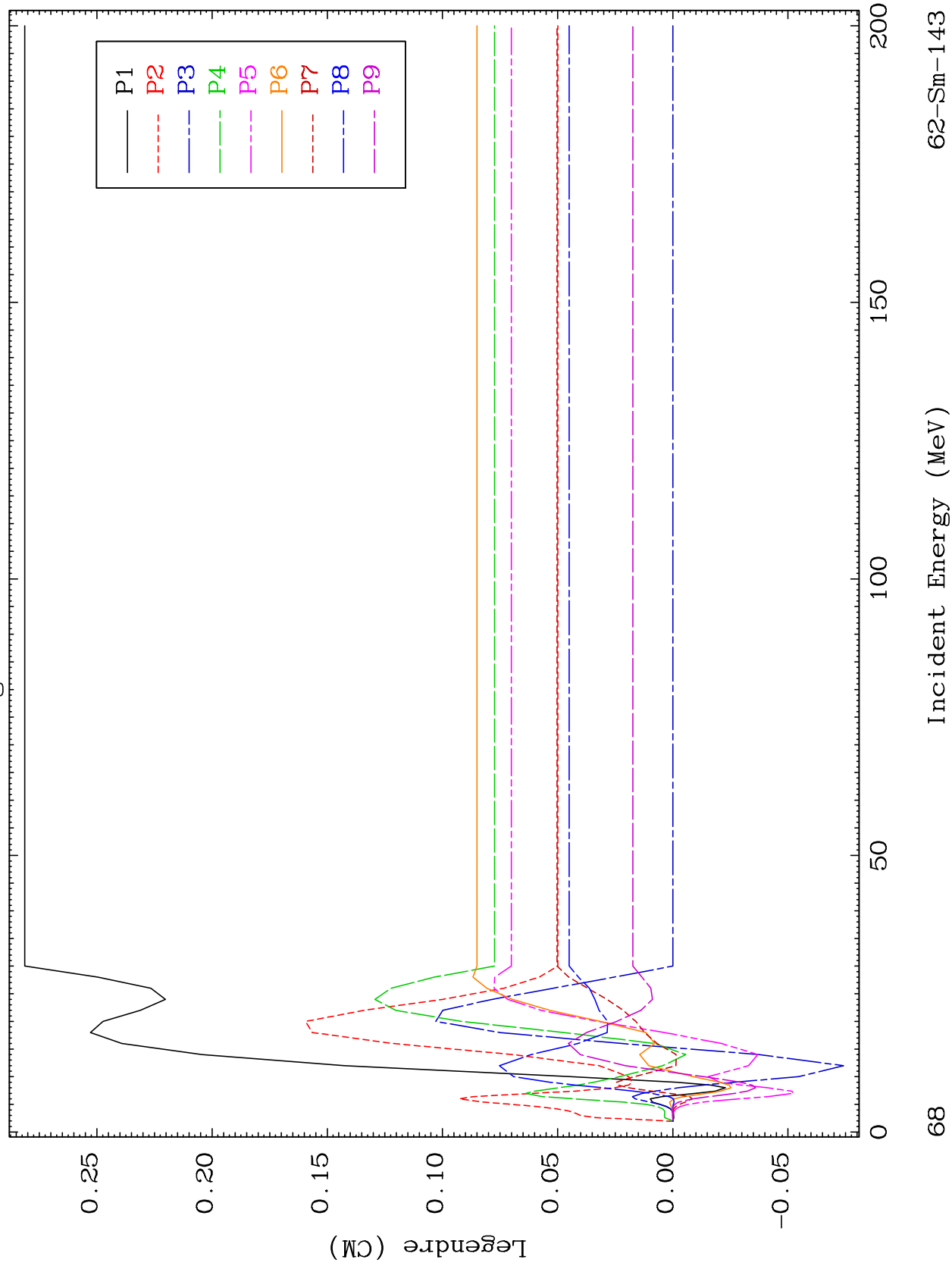


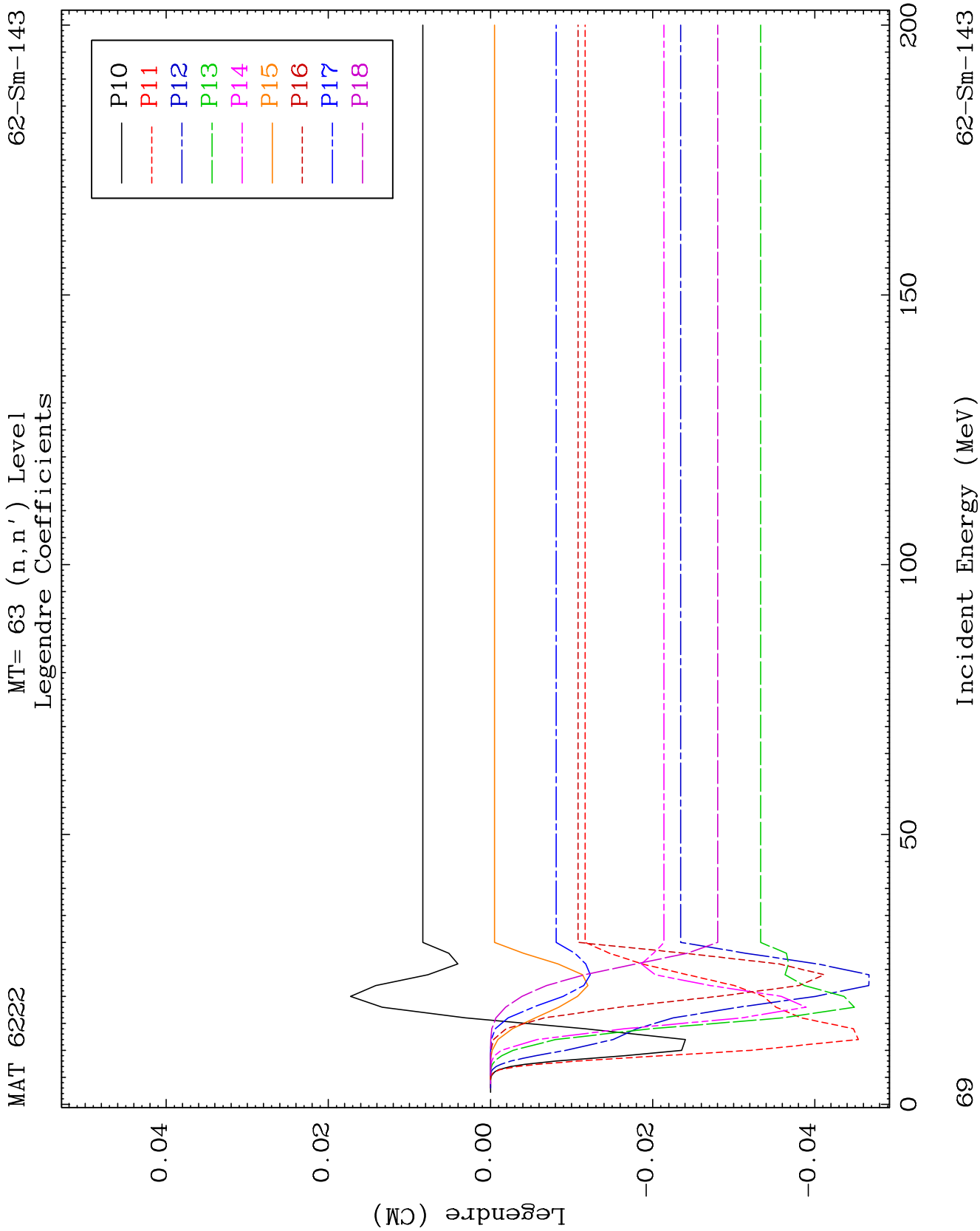


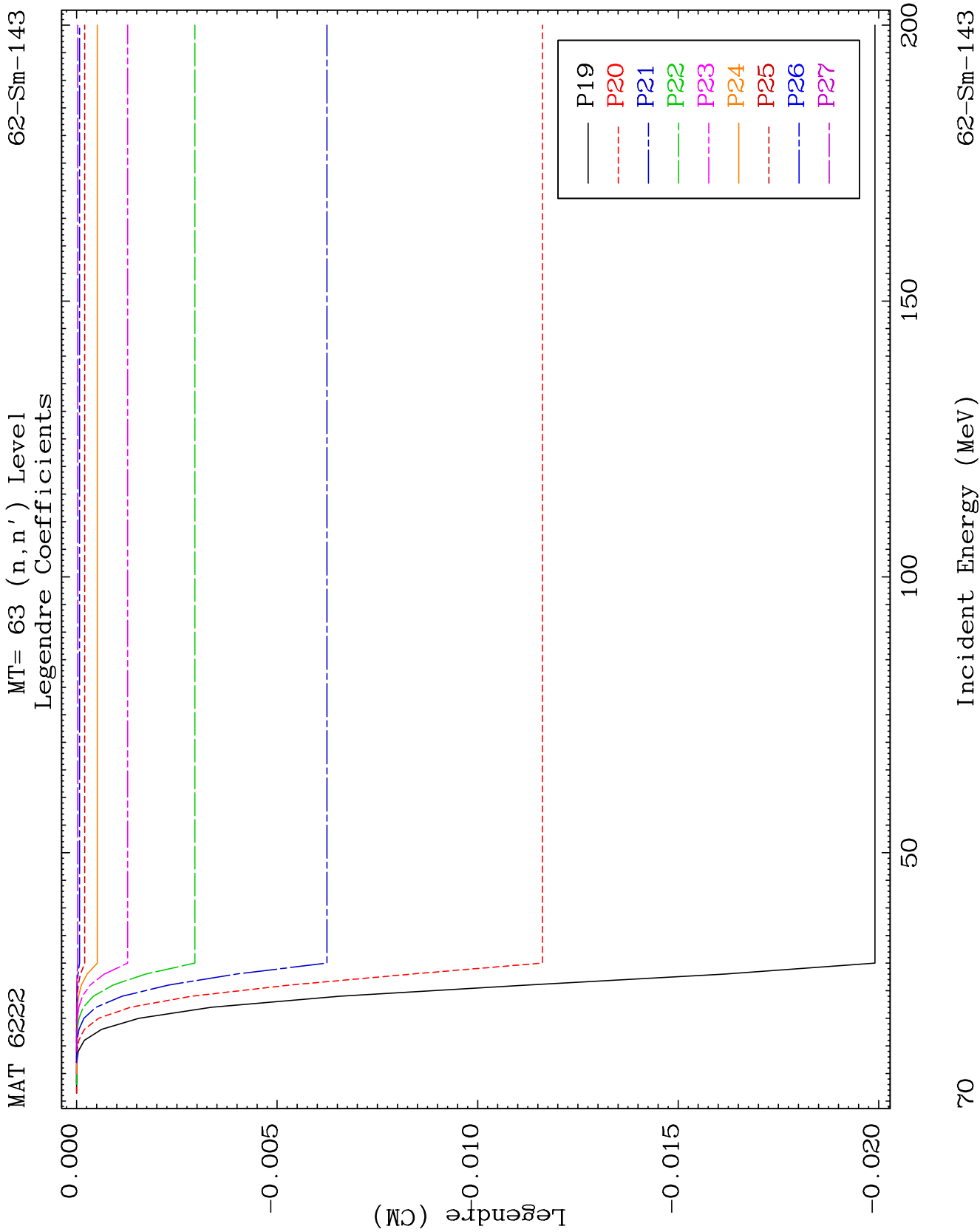
MAT 6222

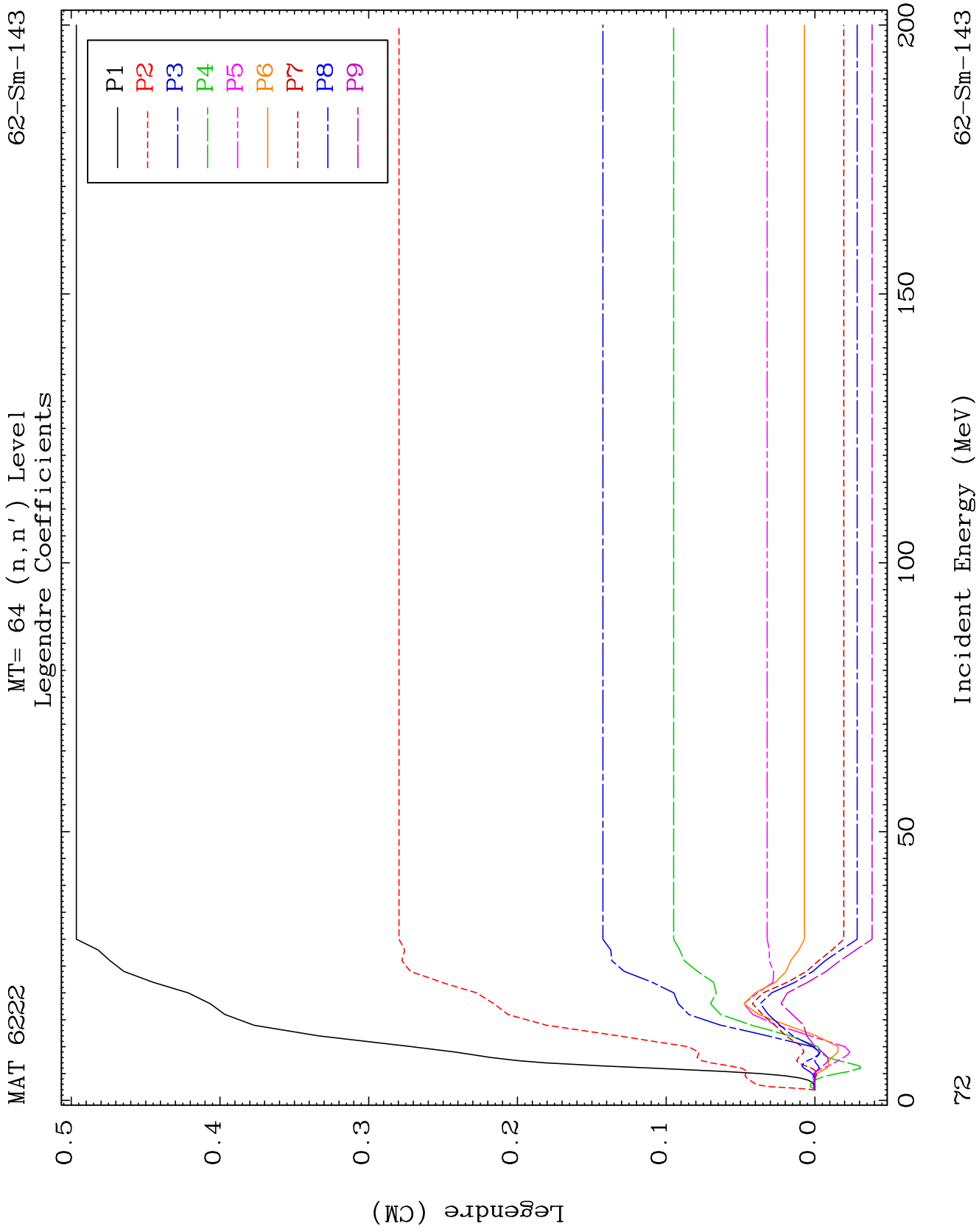
MT= 63 (n, n') Level
Legendre Coefficients

62-Sm-143





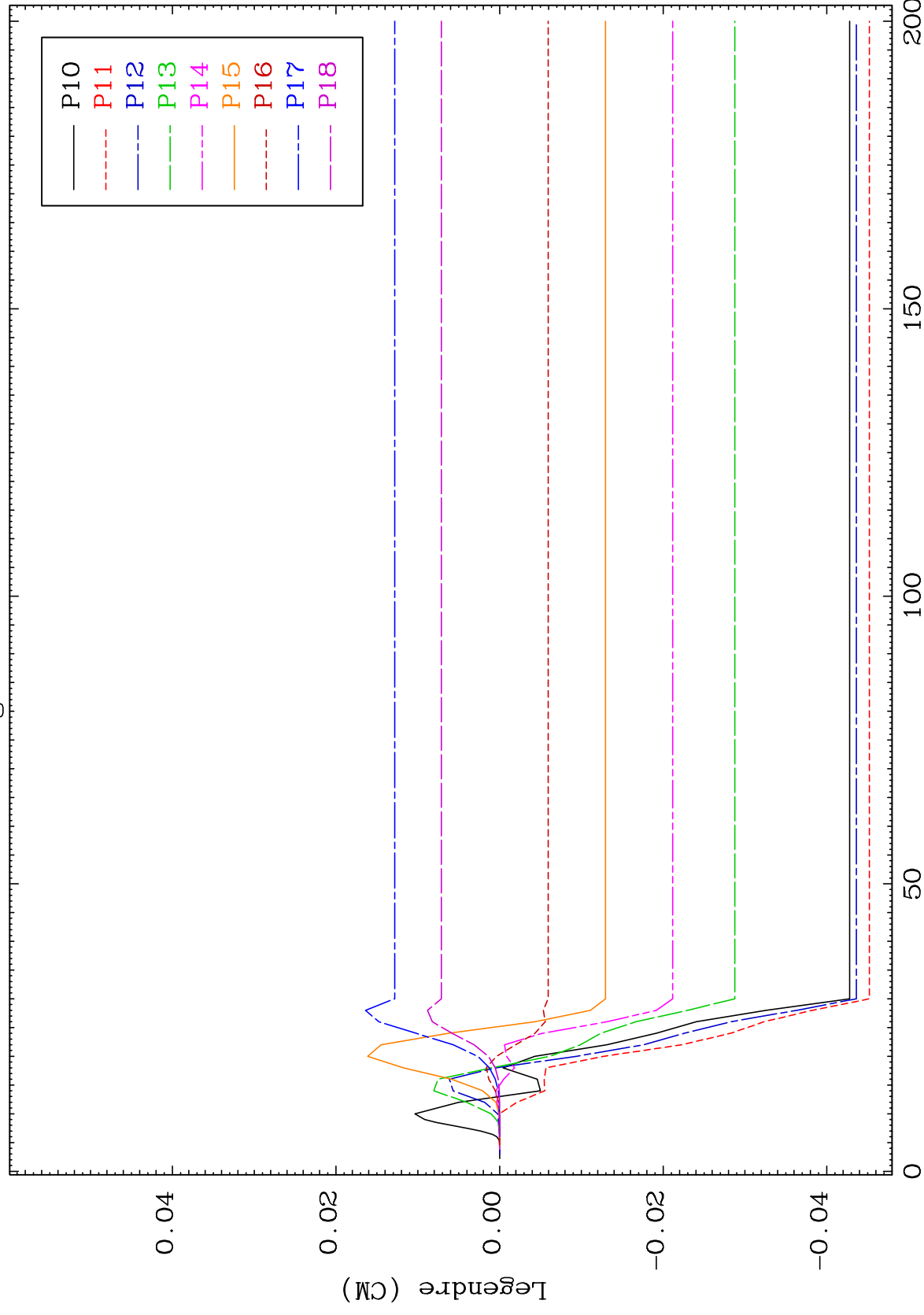




MAT 6222

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

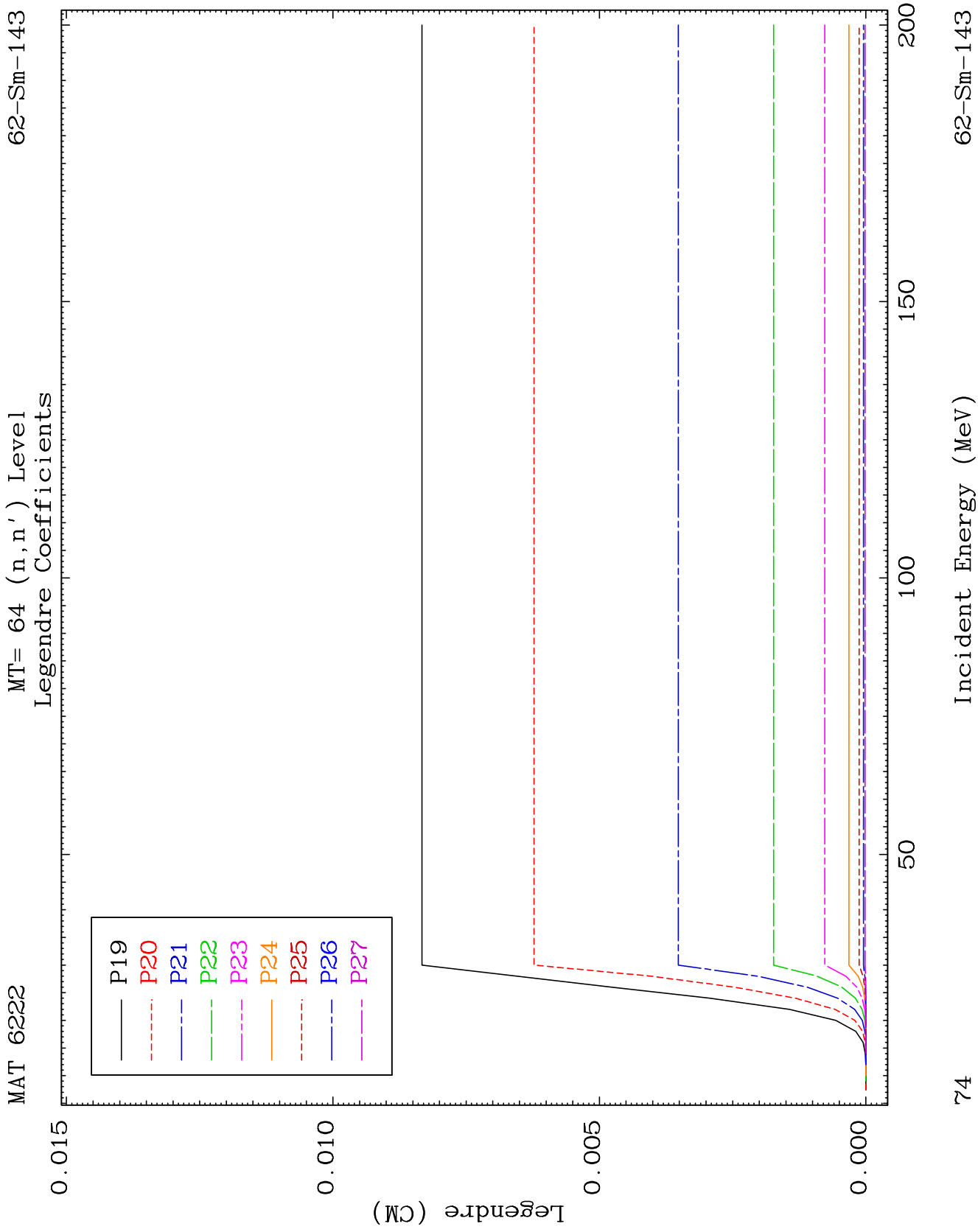
62-Sm-143

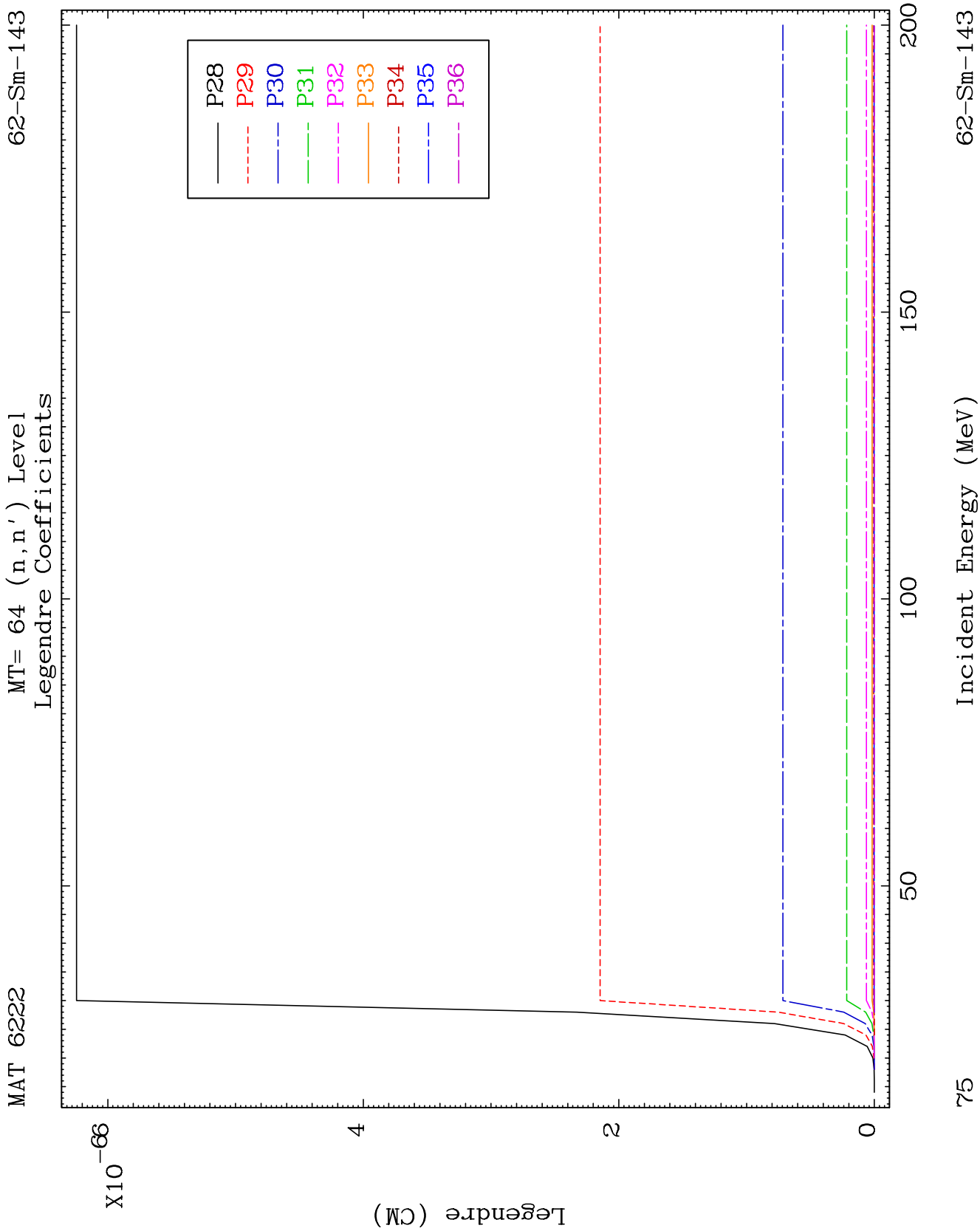


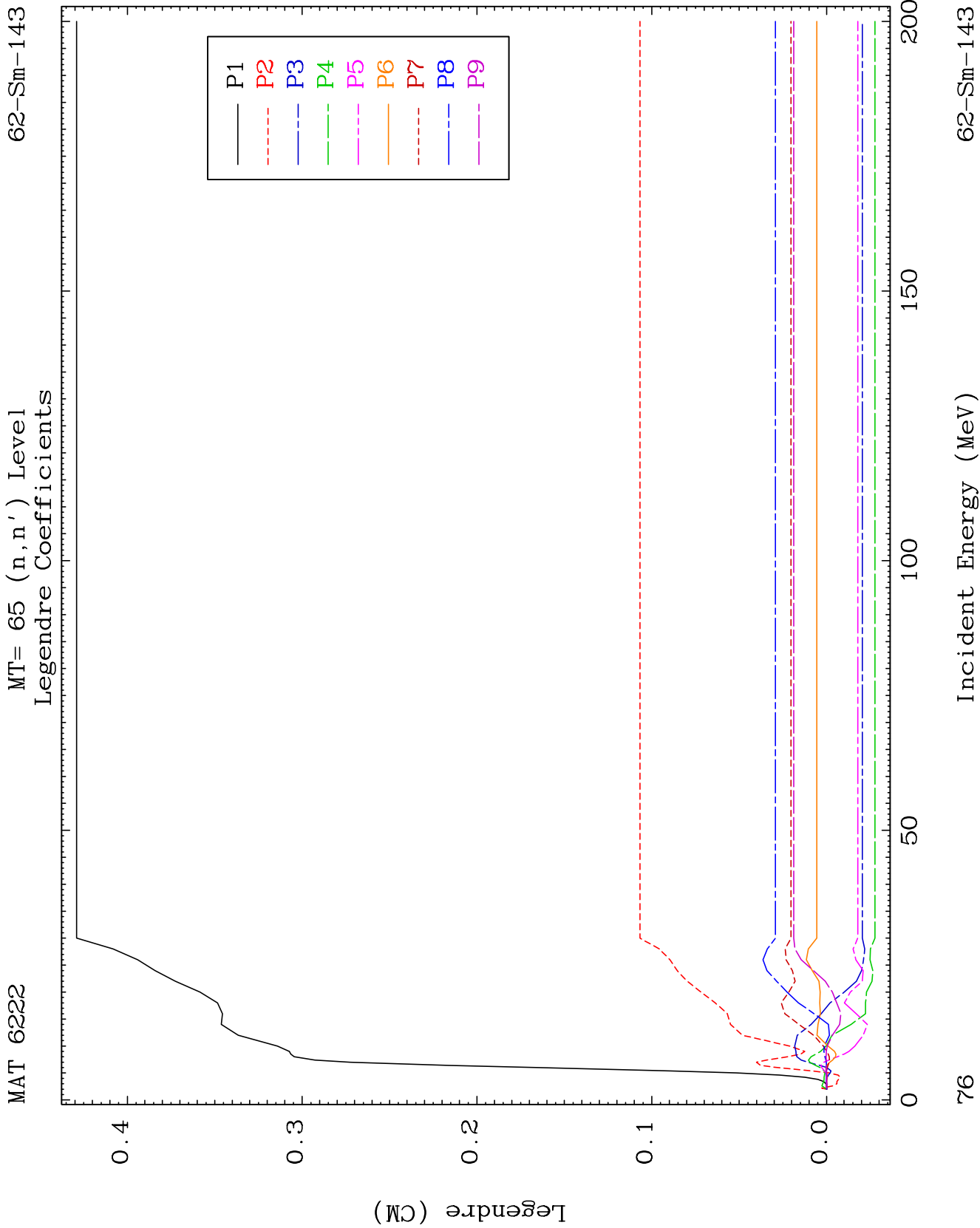
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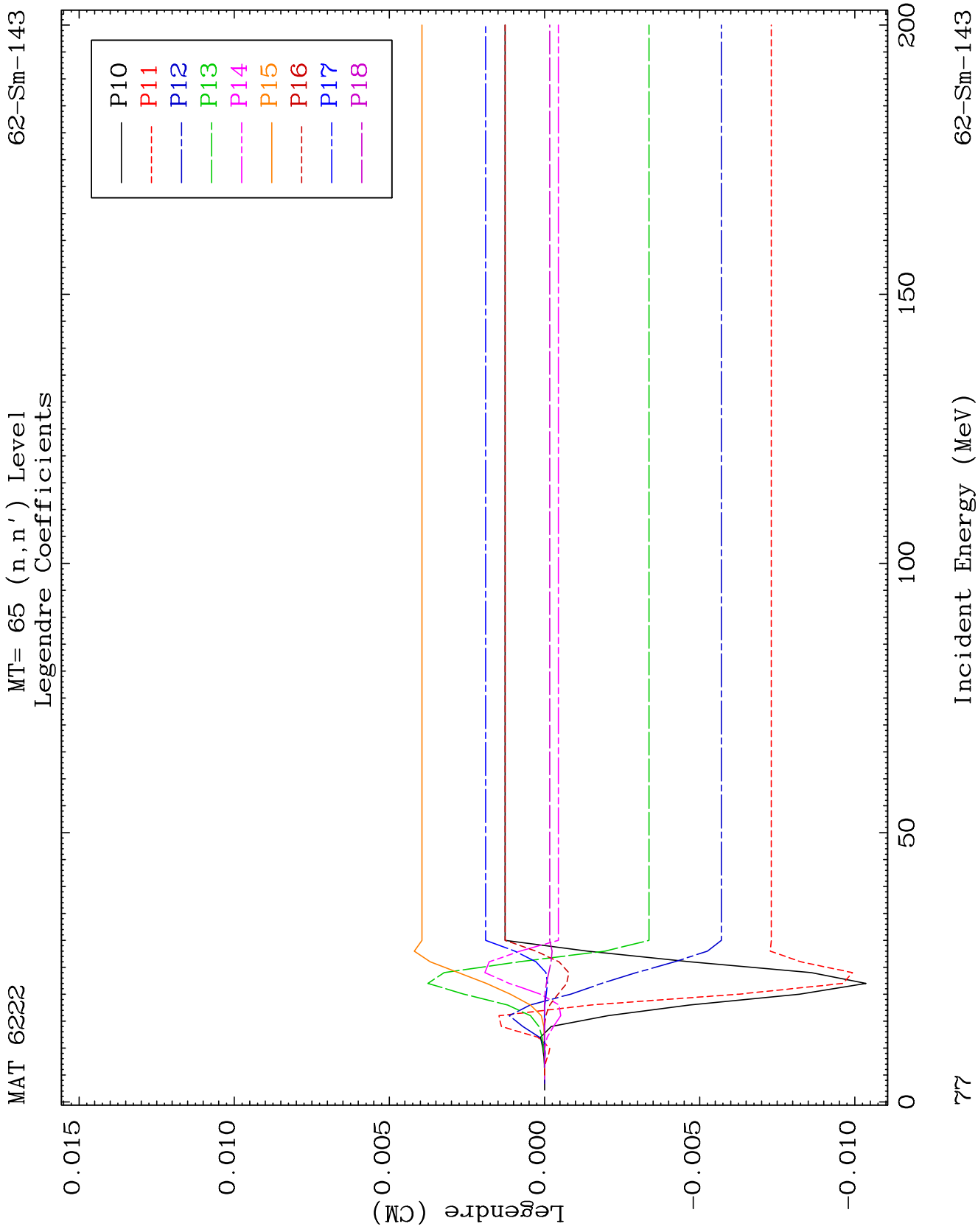
Incident Energy (MeV)

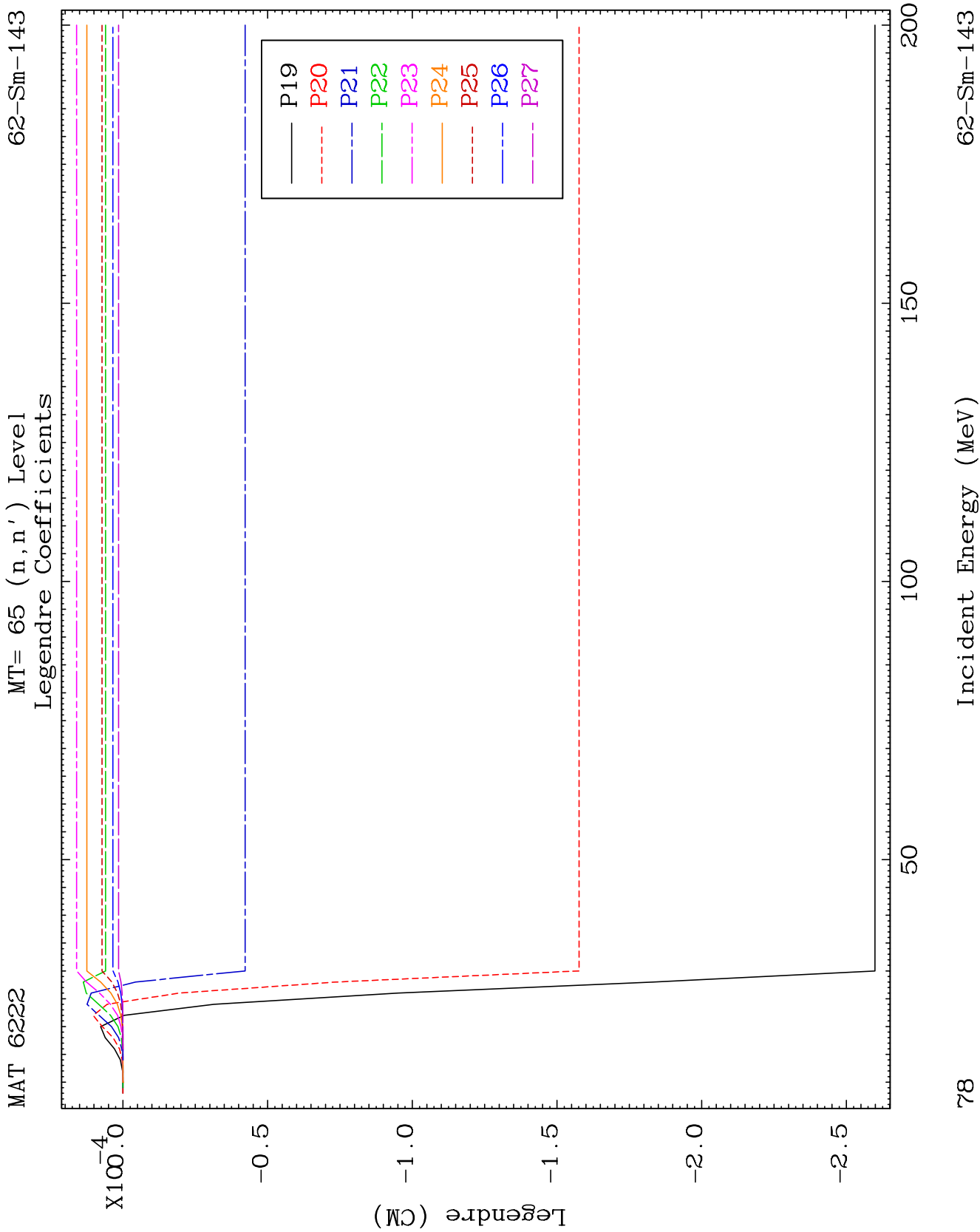
62-Sm-143

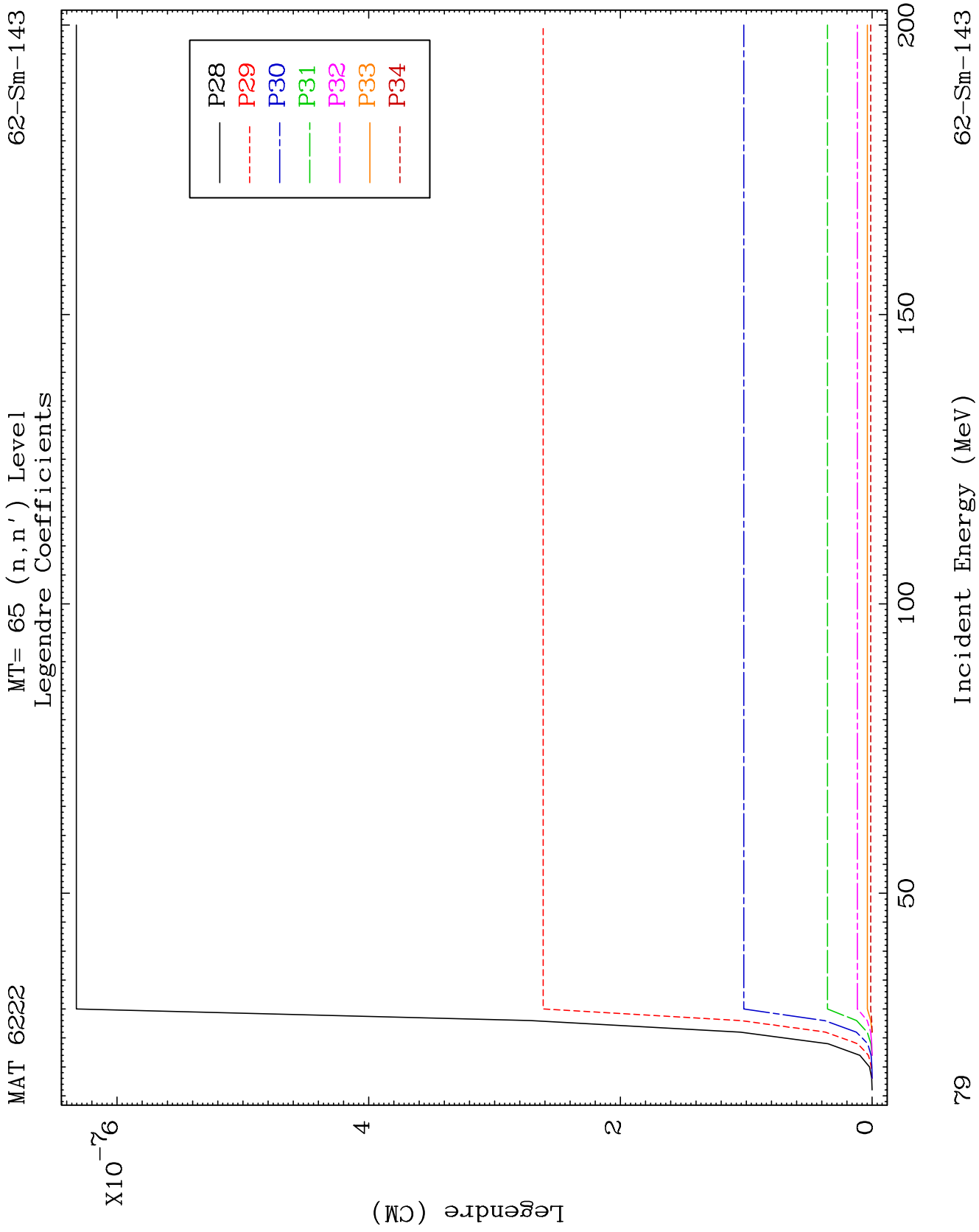


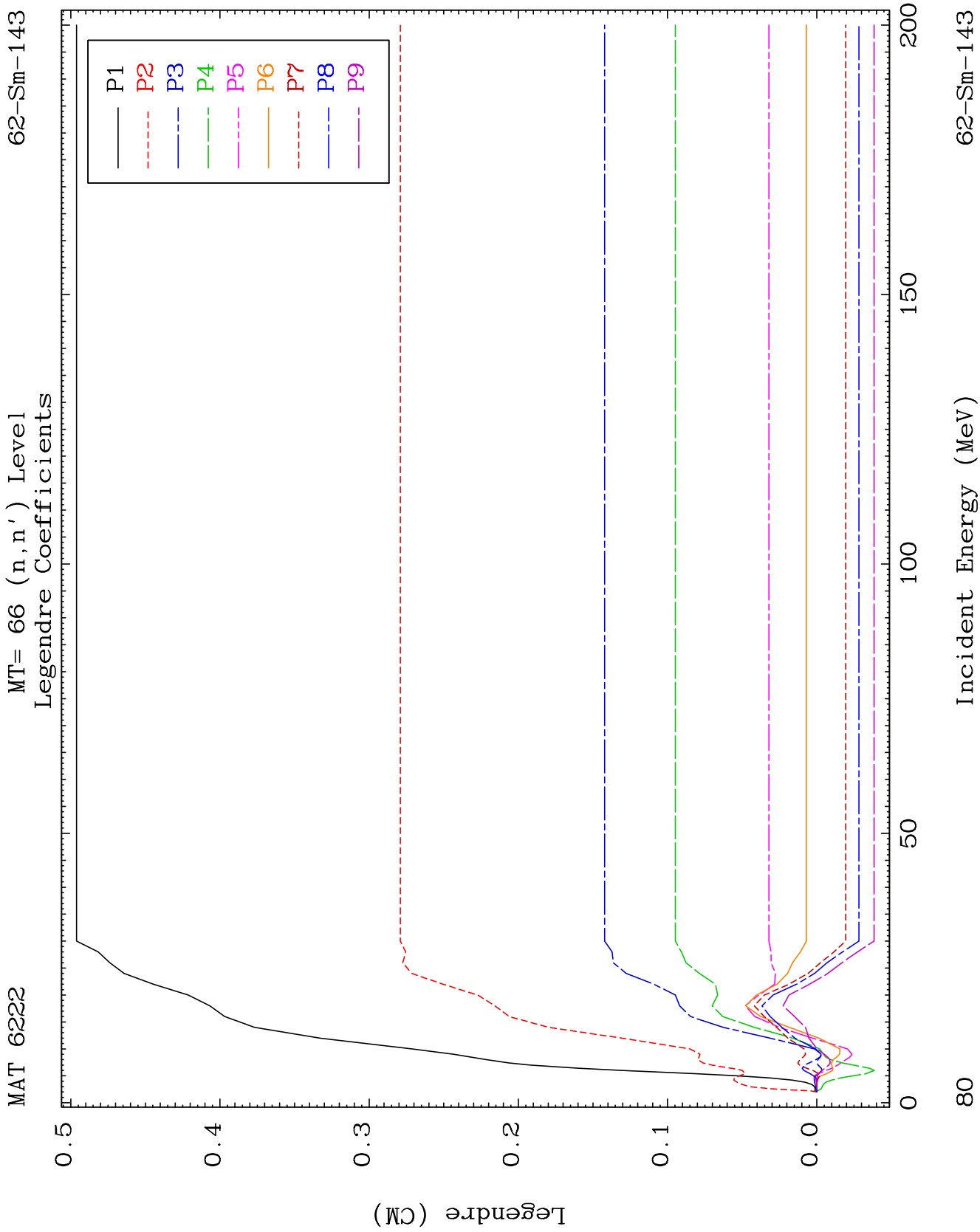


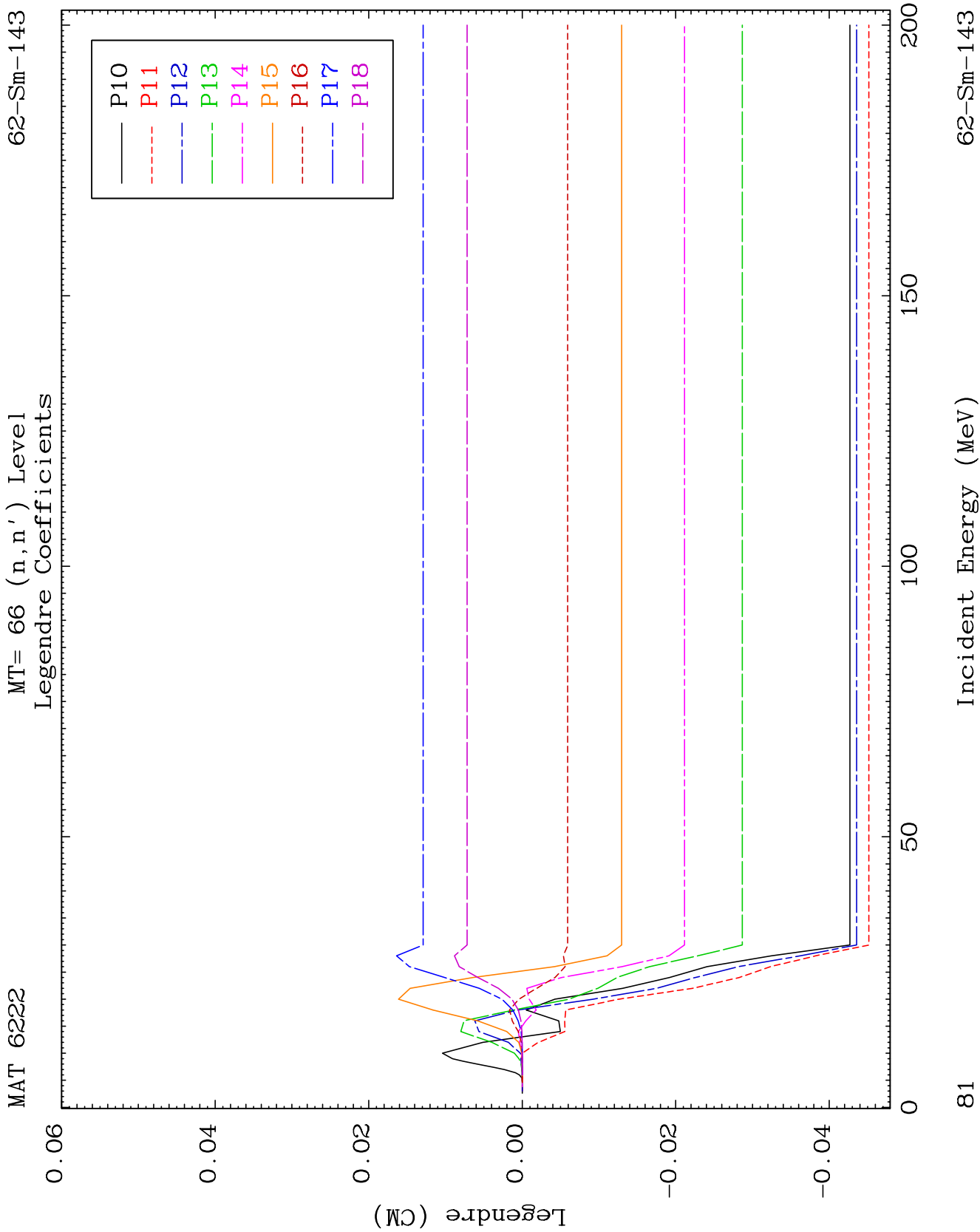


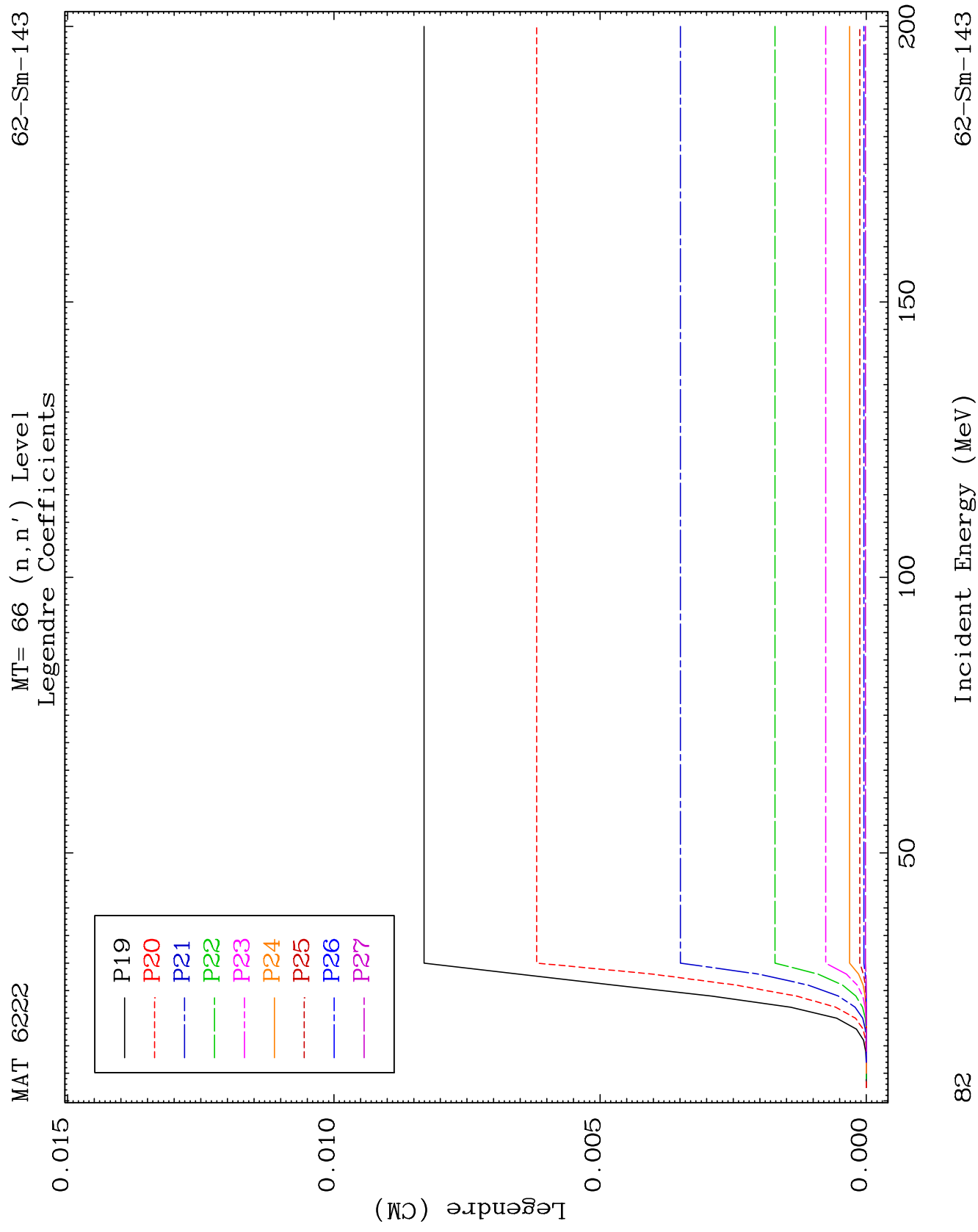


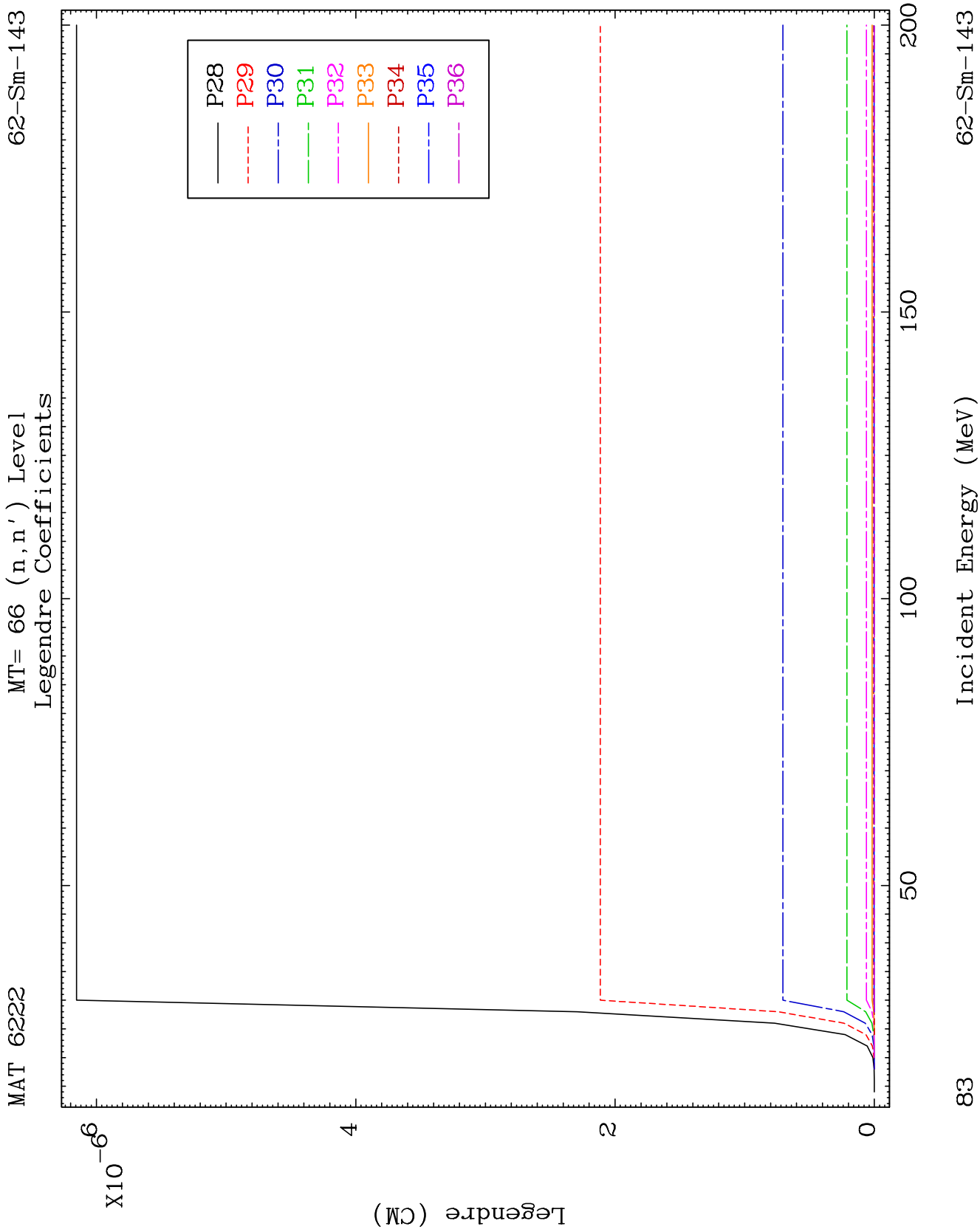








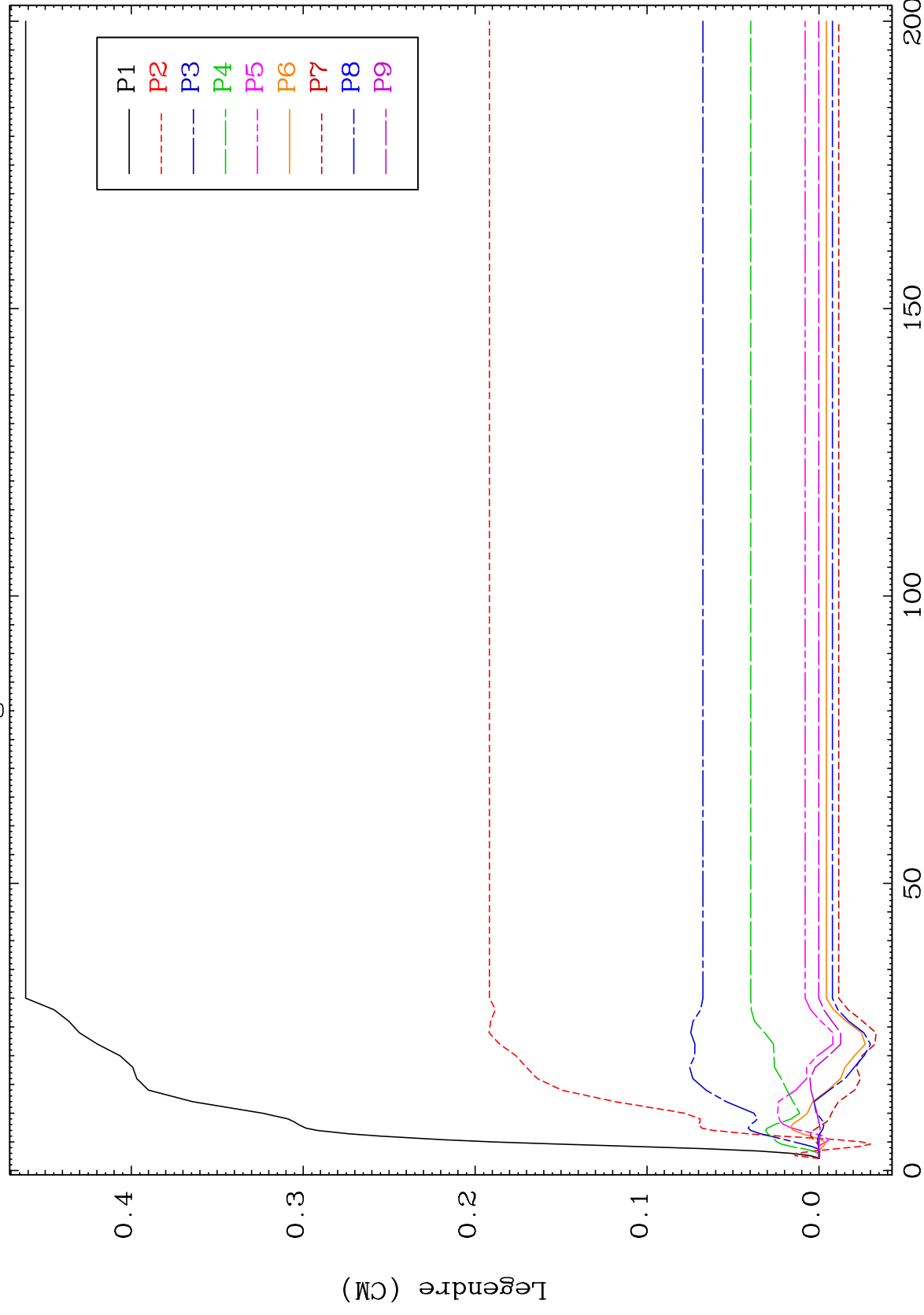




MAT 6222

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

62-Sm-143



84

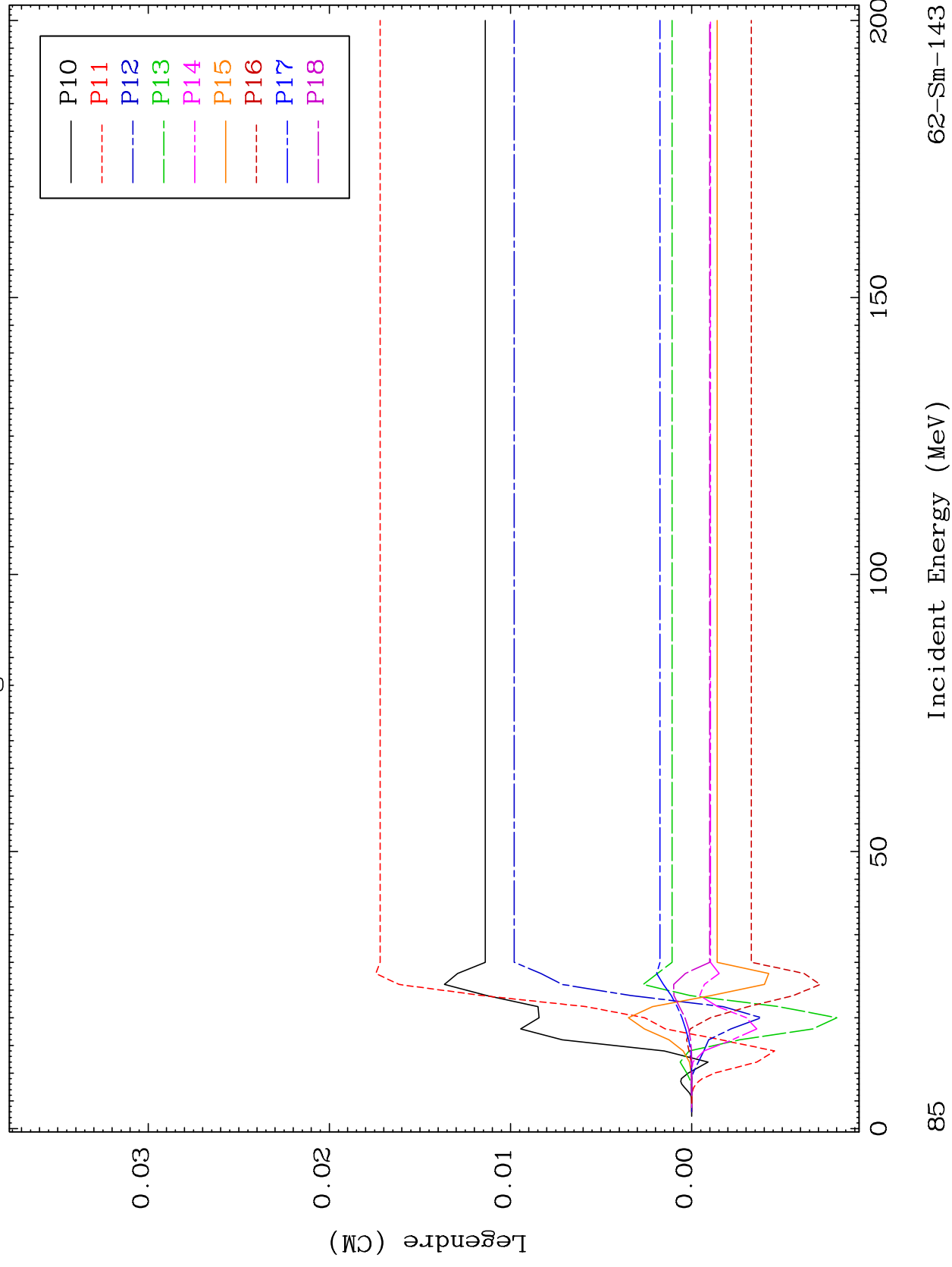
Incident Energy (MeV)

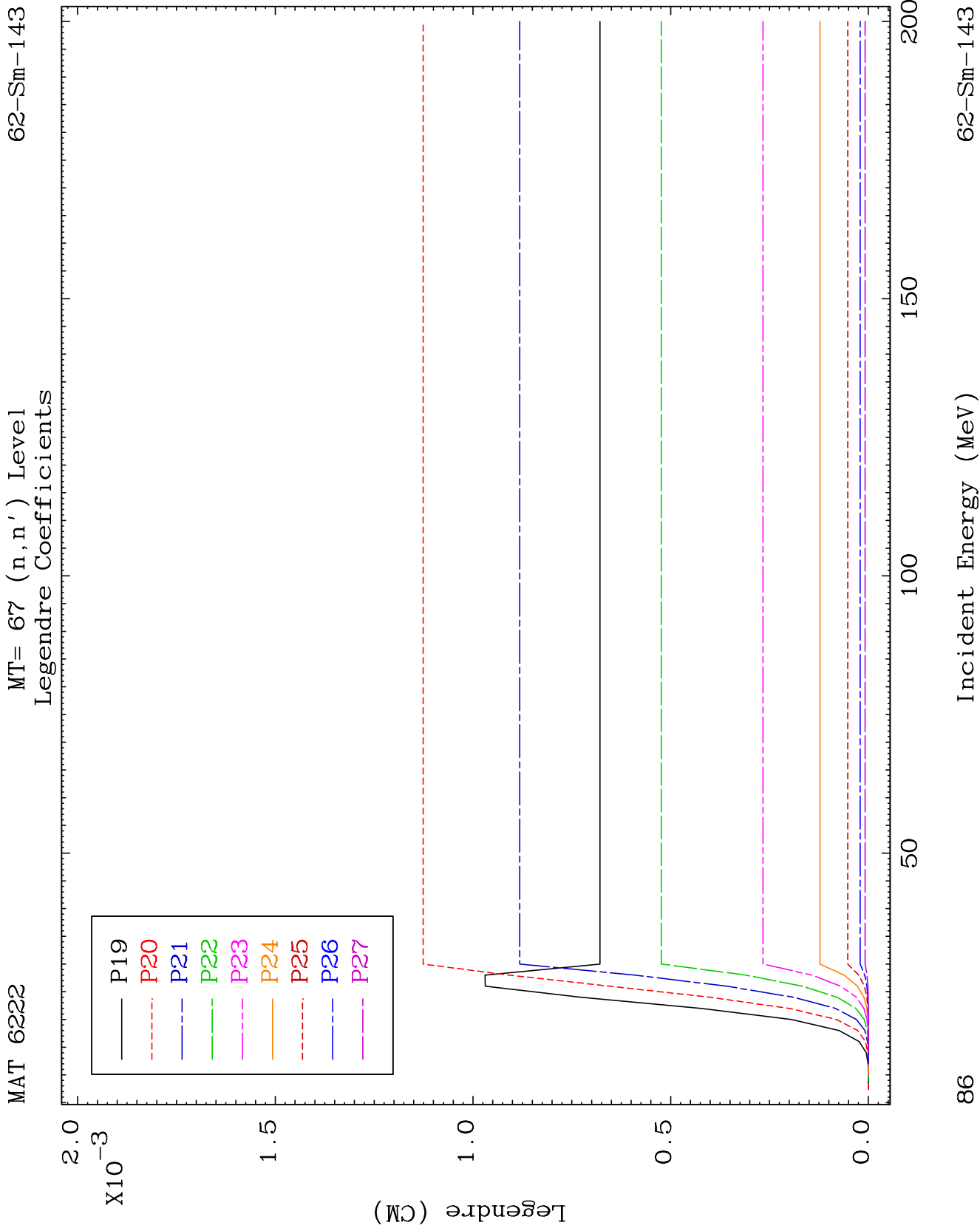
62-Sm-143

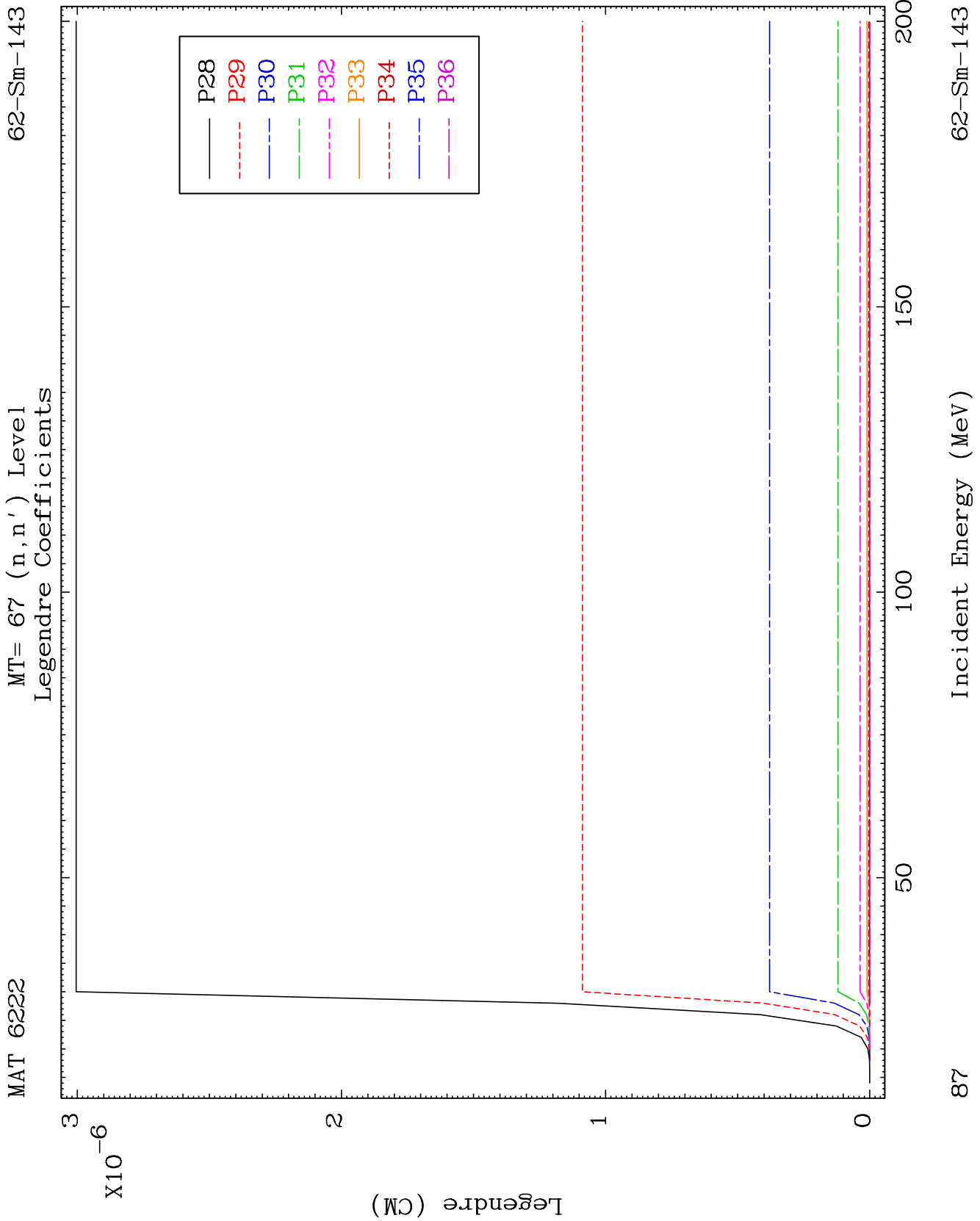
MAT 6222

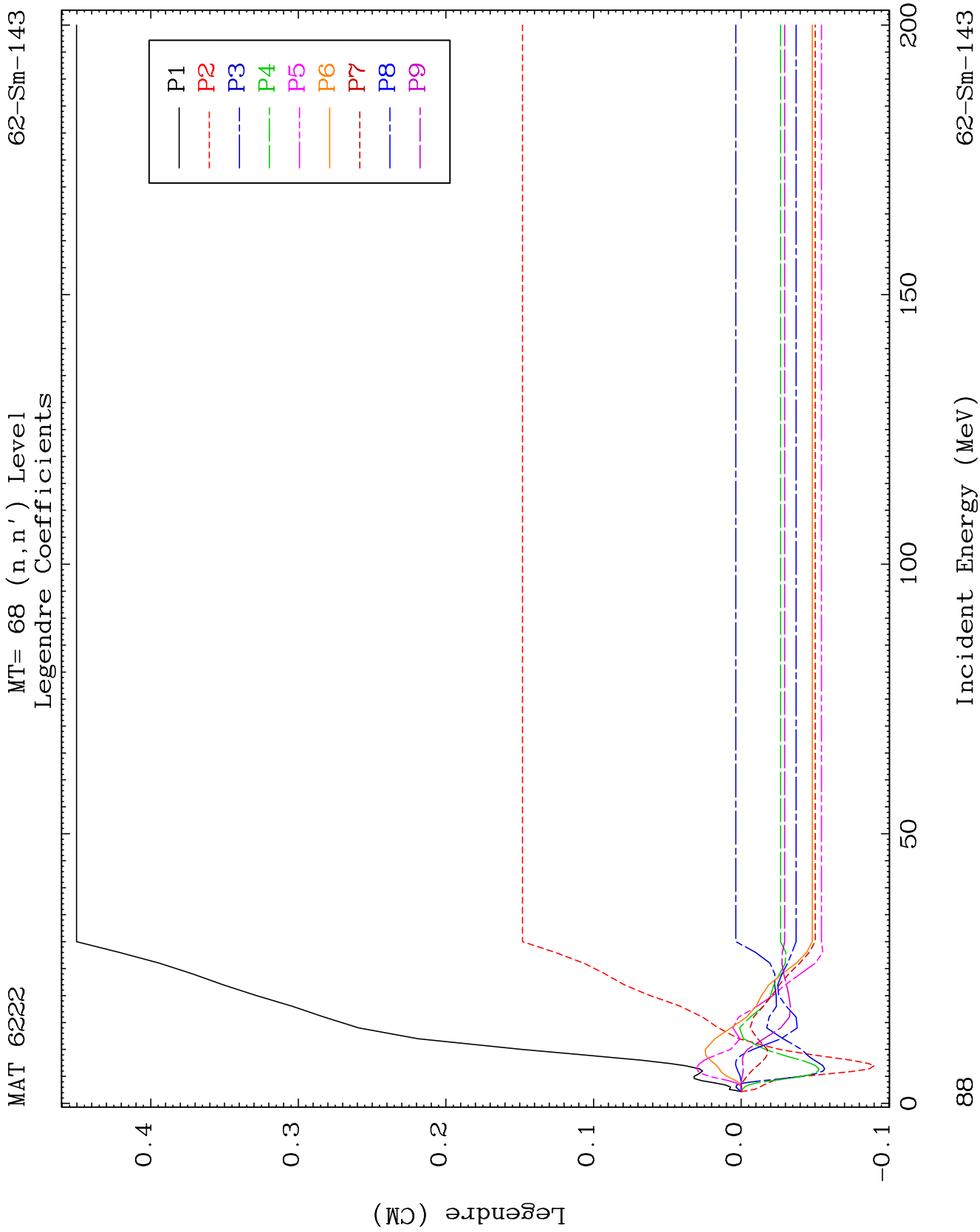
MT= 67 (n, n') Level
Legendre Coefficients

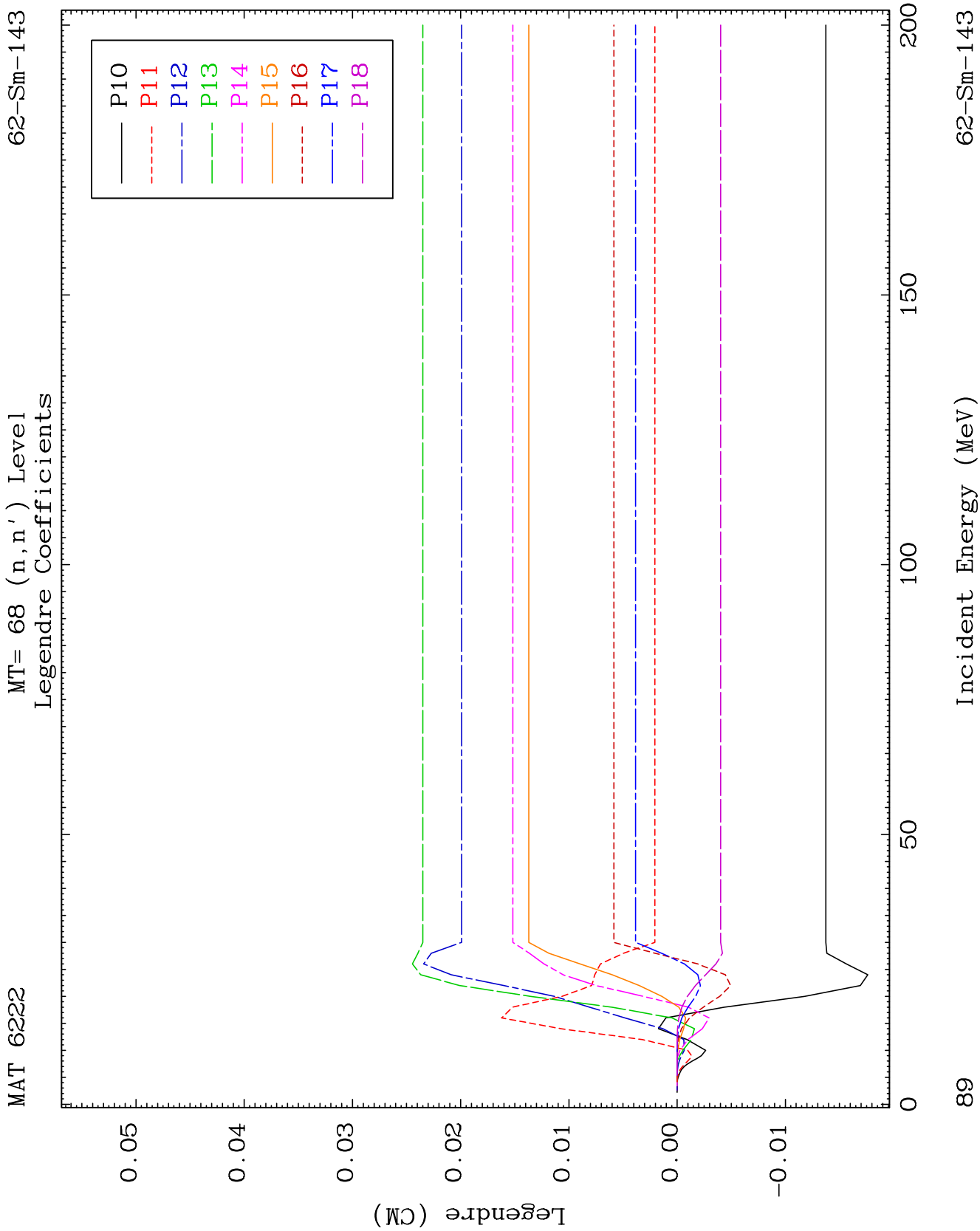
62-Sm-143

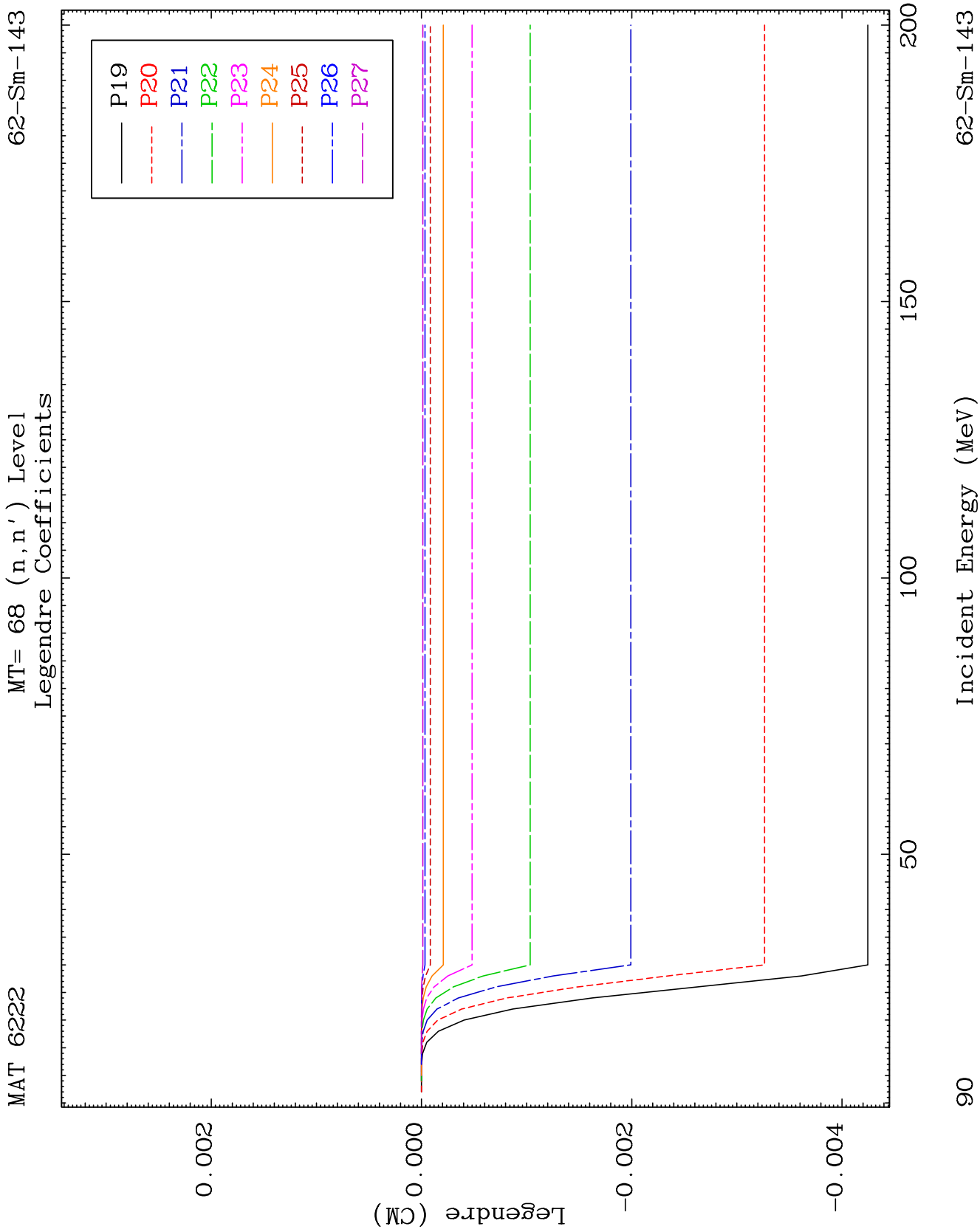


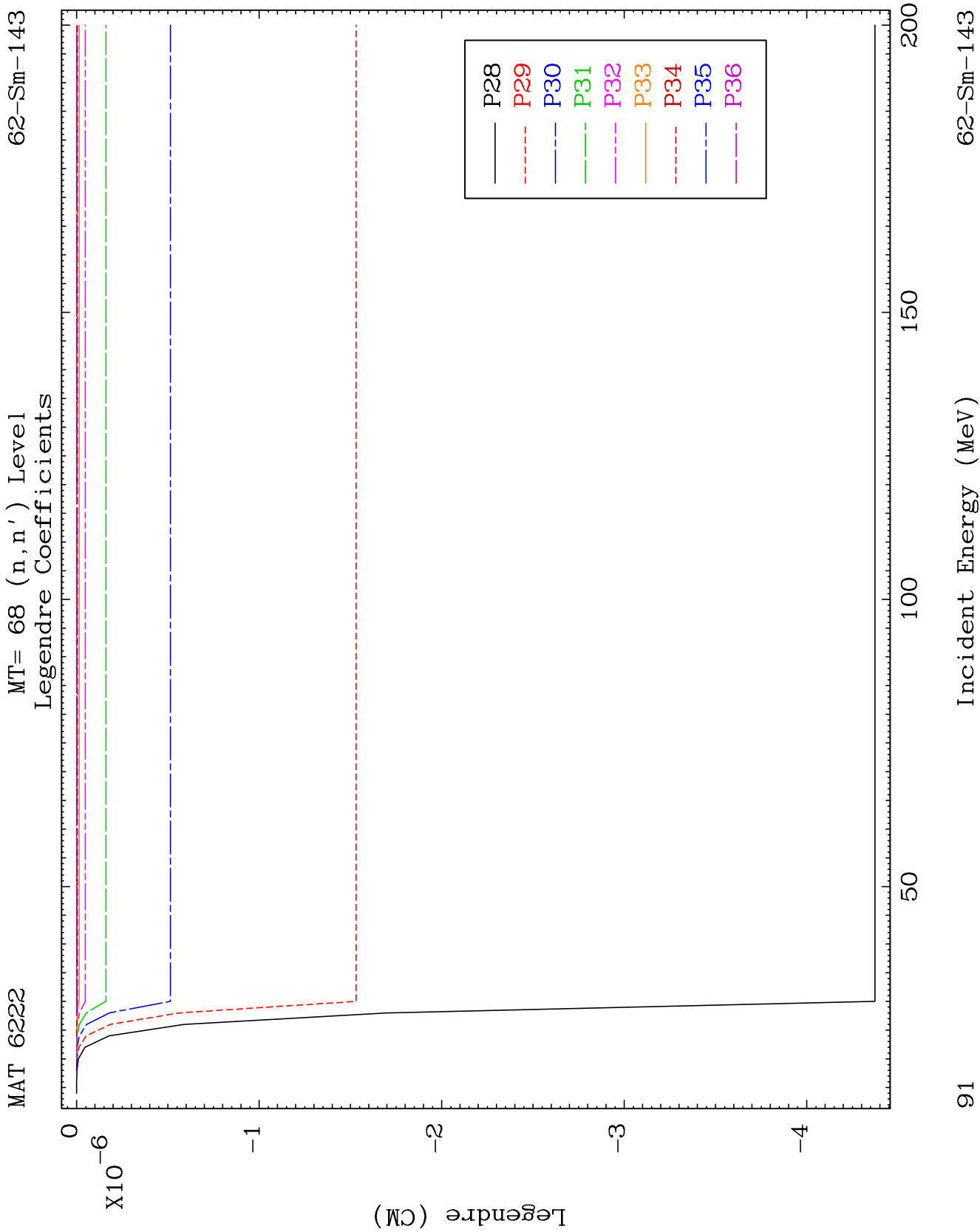


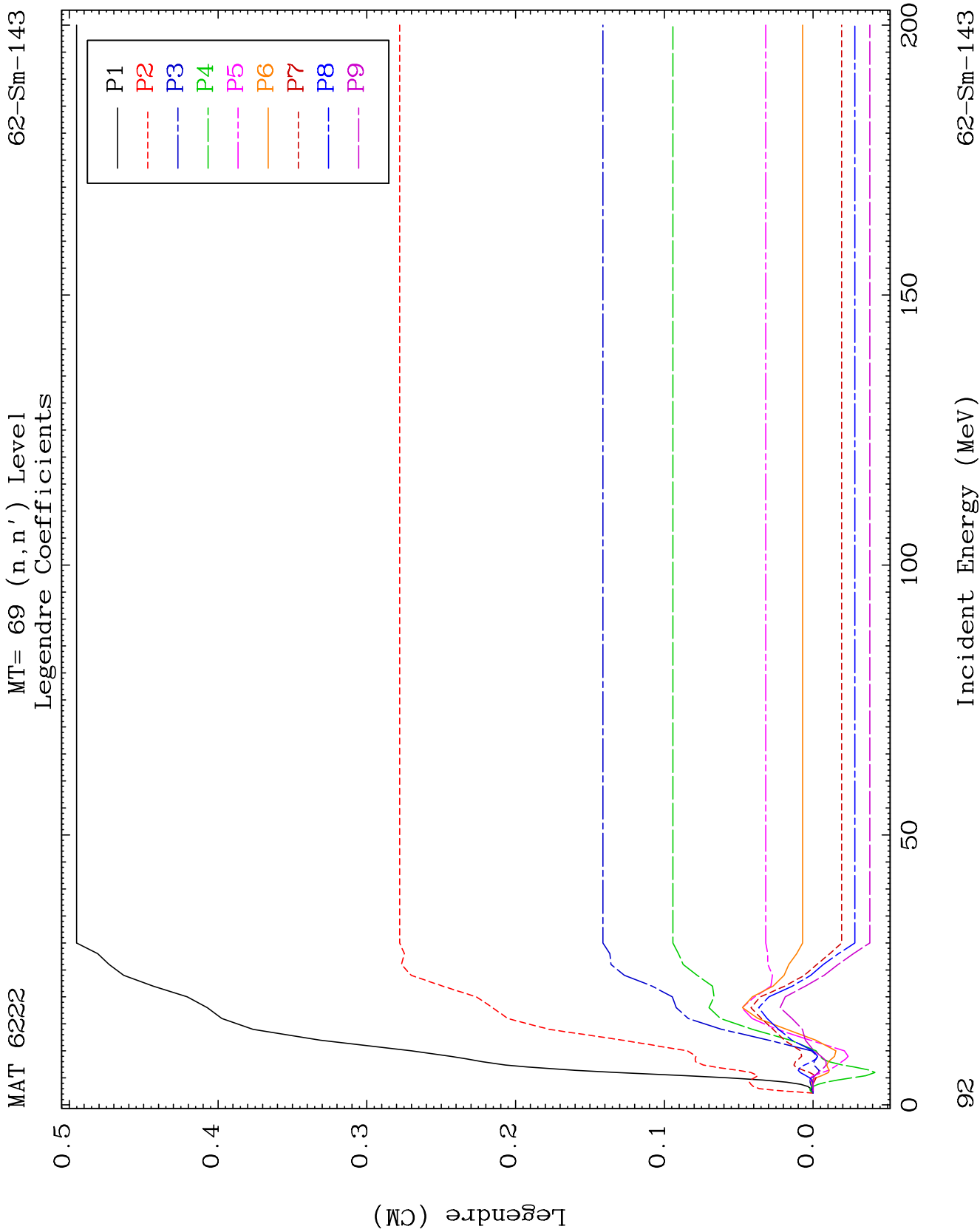








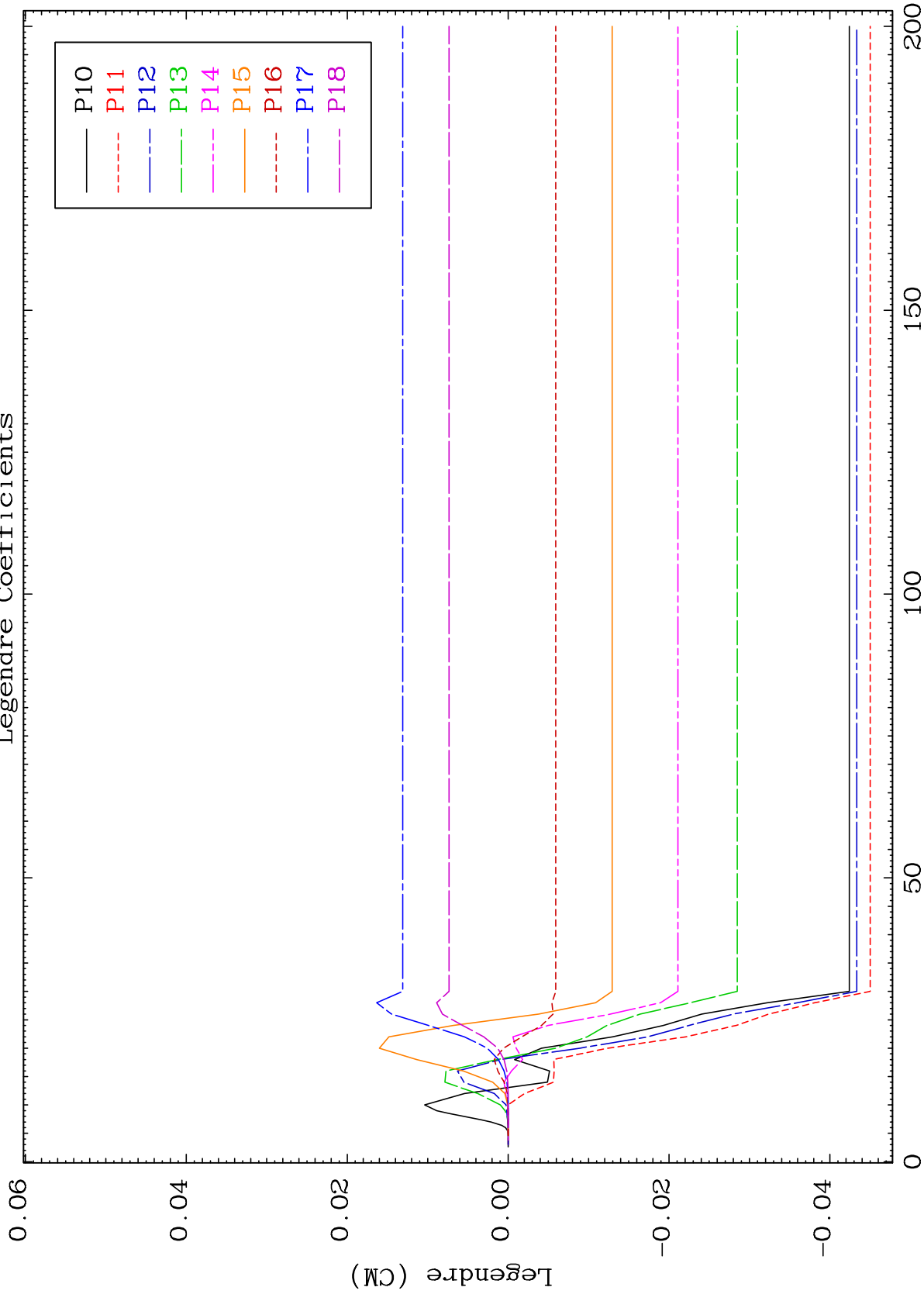




MAT 6222

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

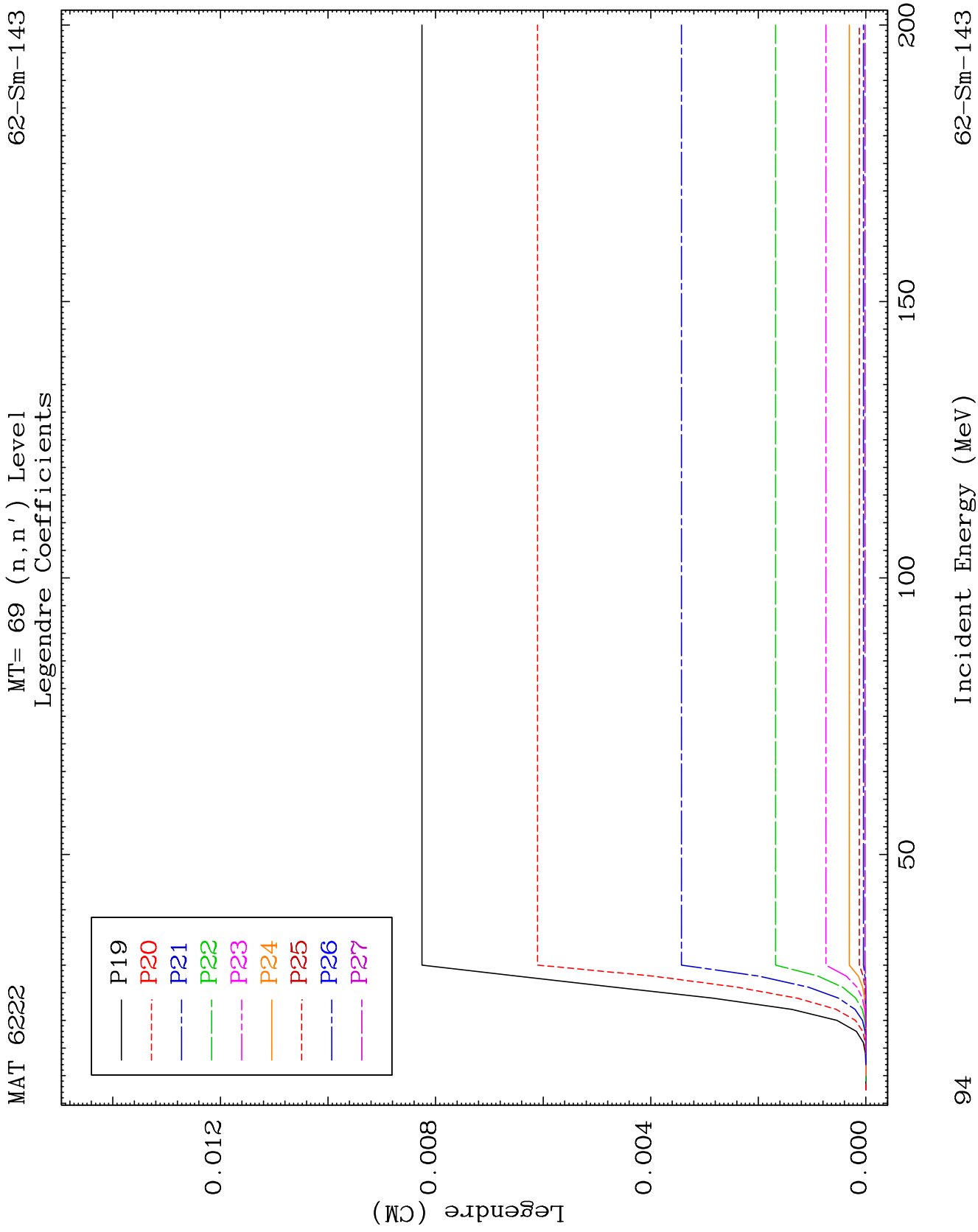
62-Sm-143

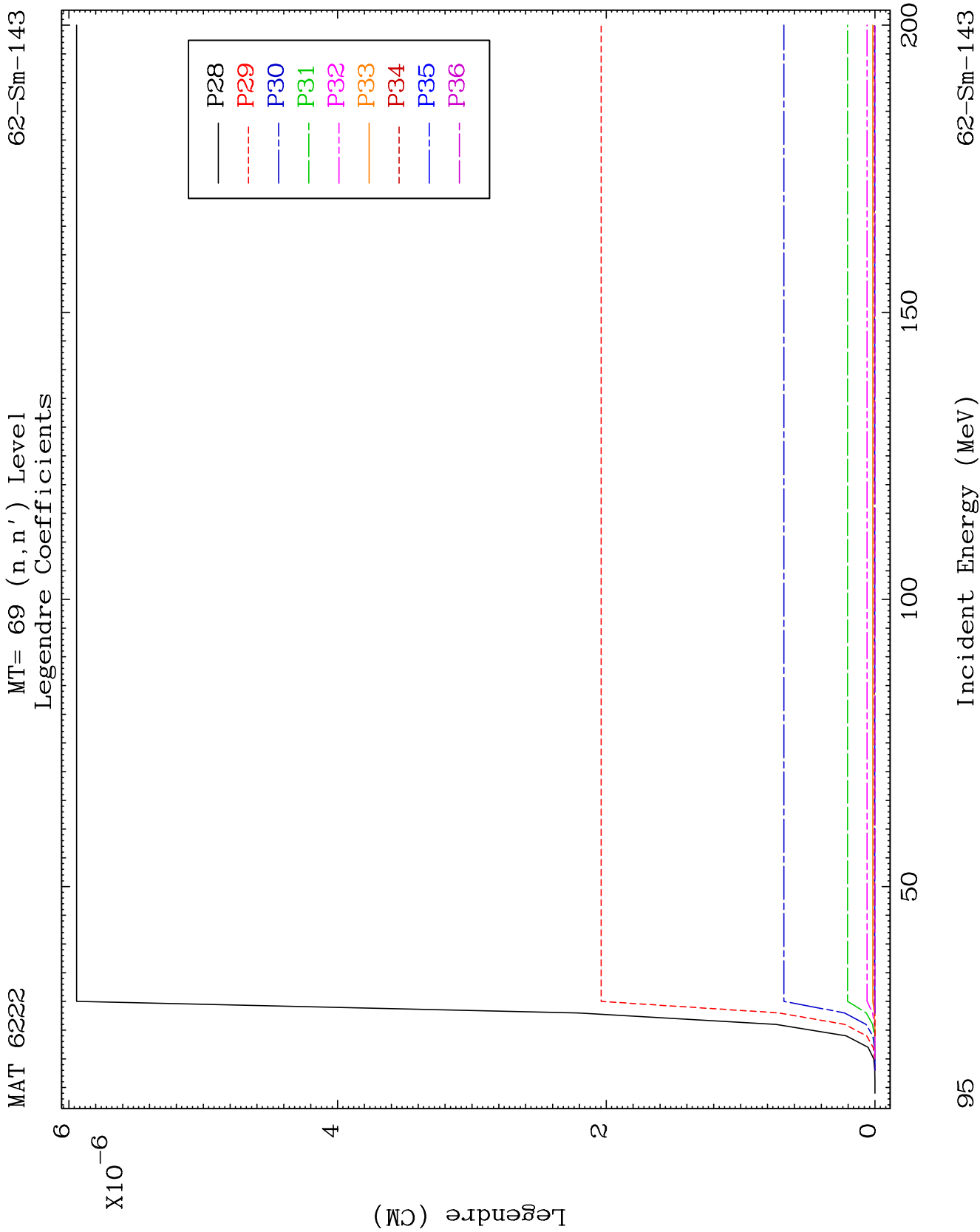


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Incident Energy (MeV)

62-Sm-143

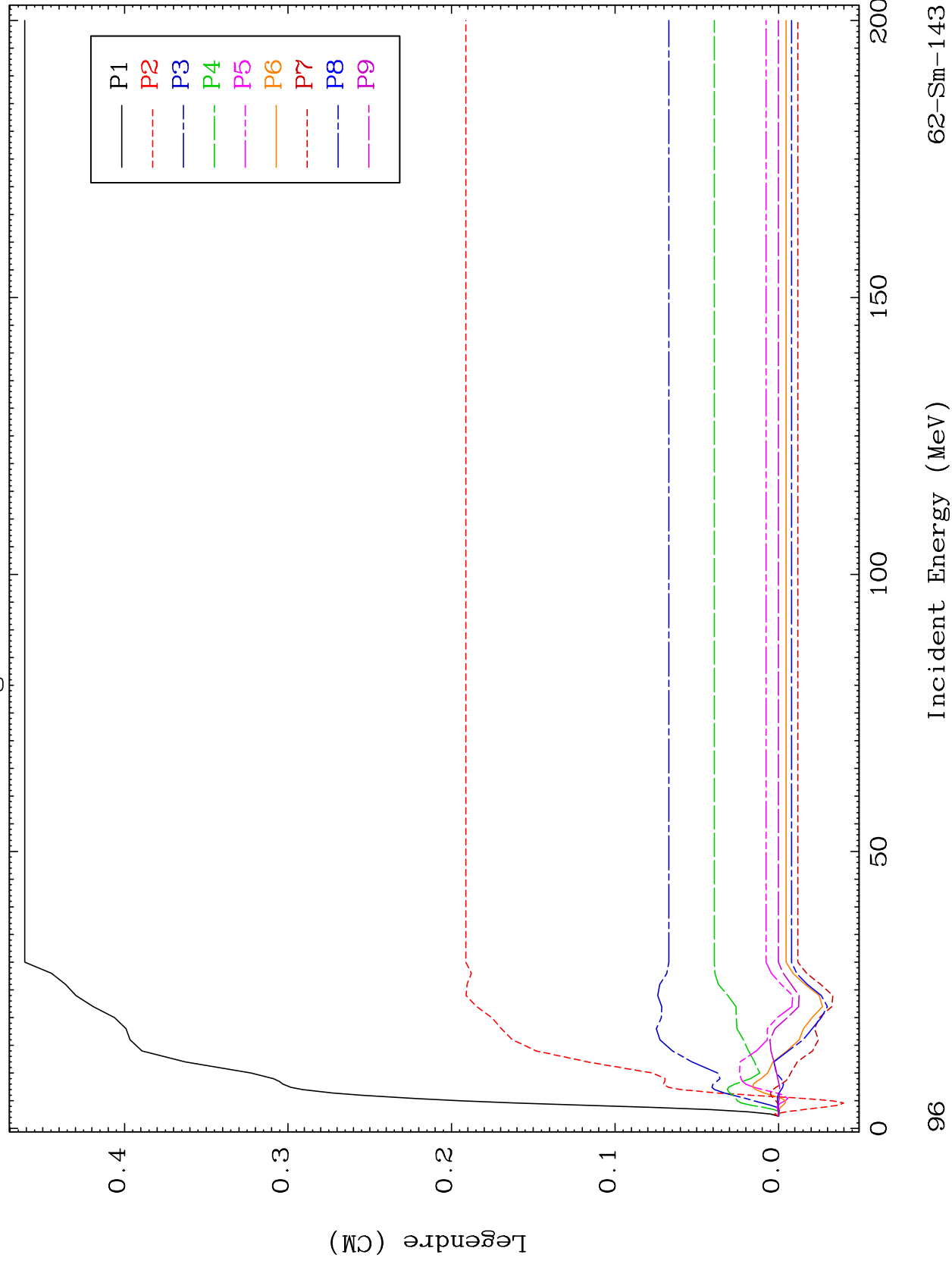


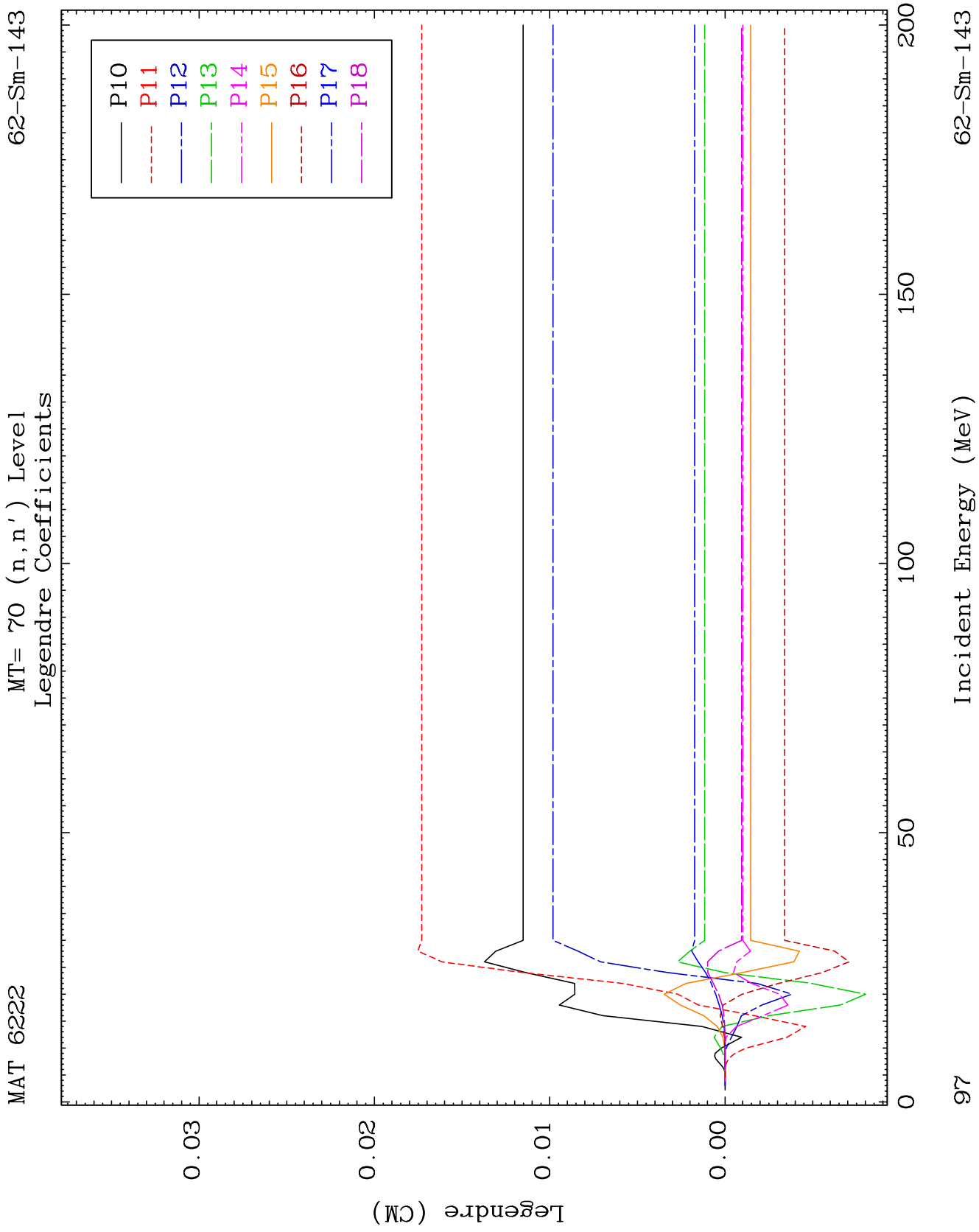


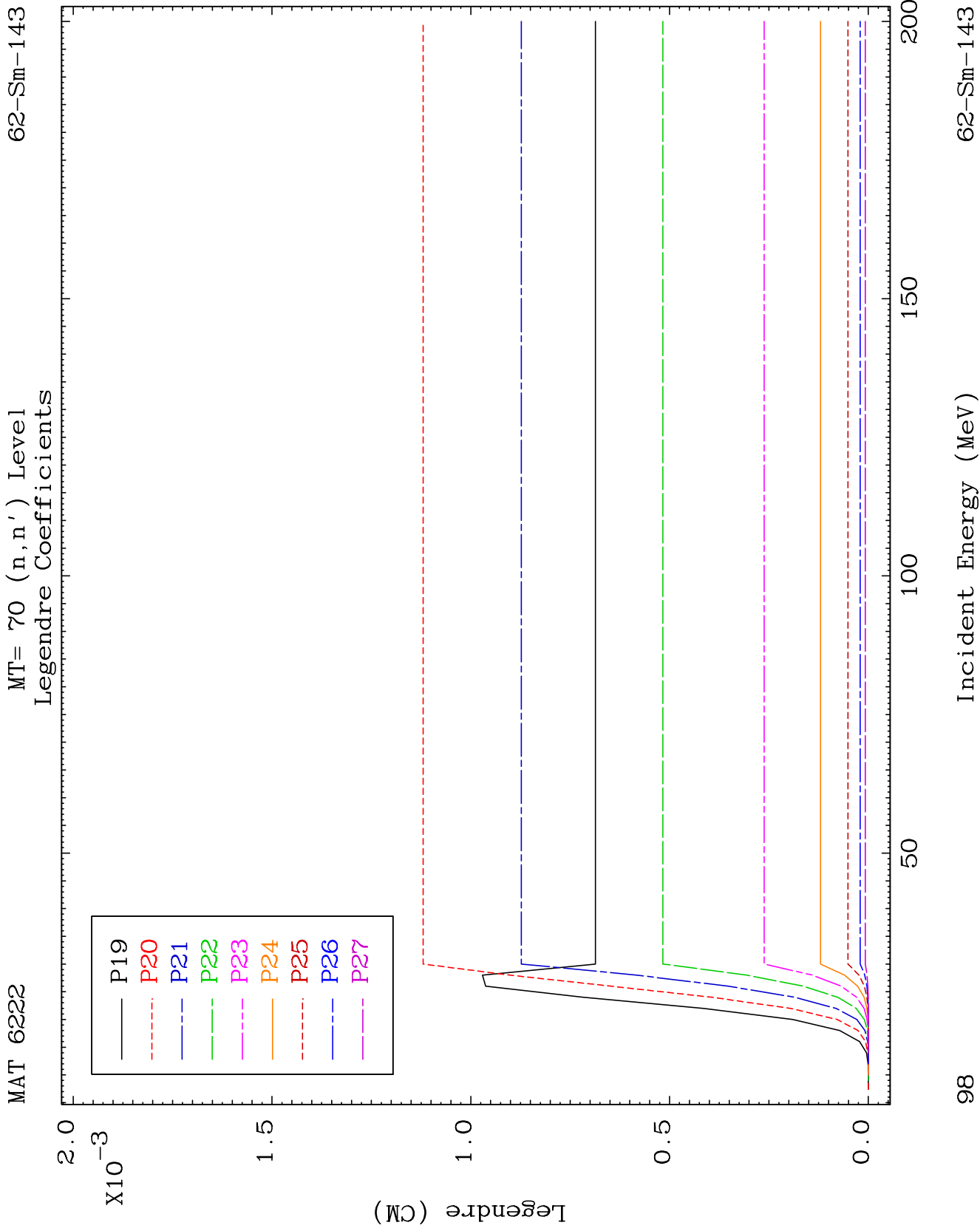
MAT 6222

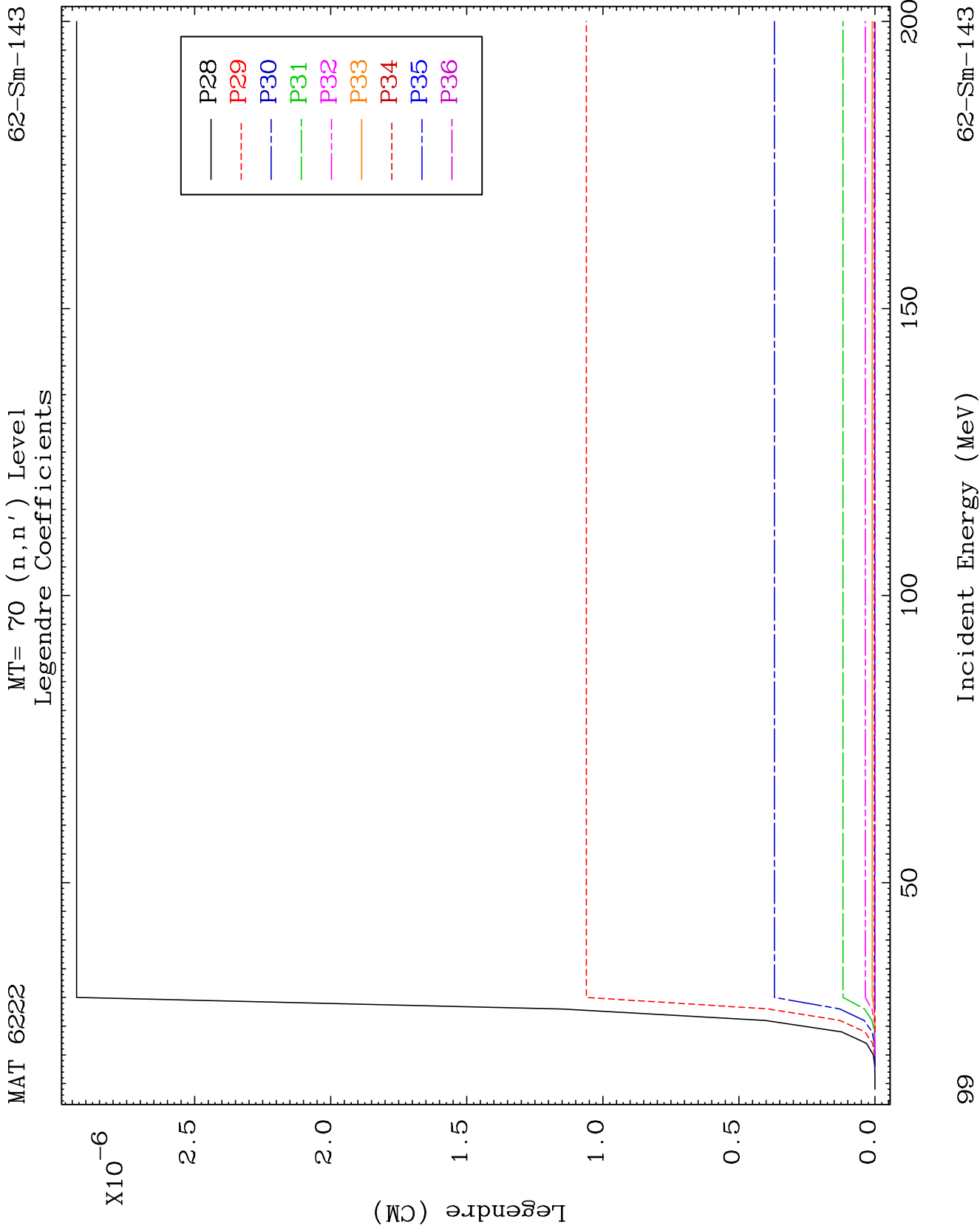
MT= 70 (n, n') Level
Legendre Coefficients

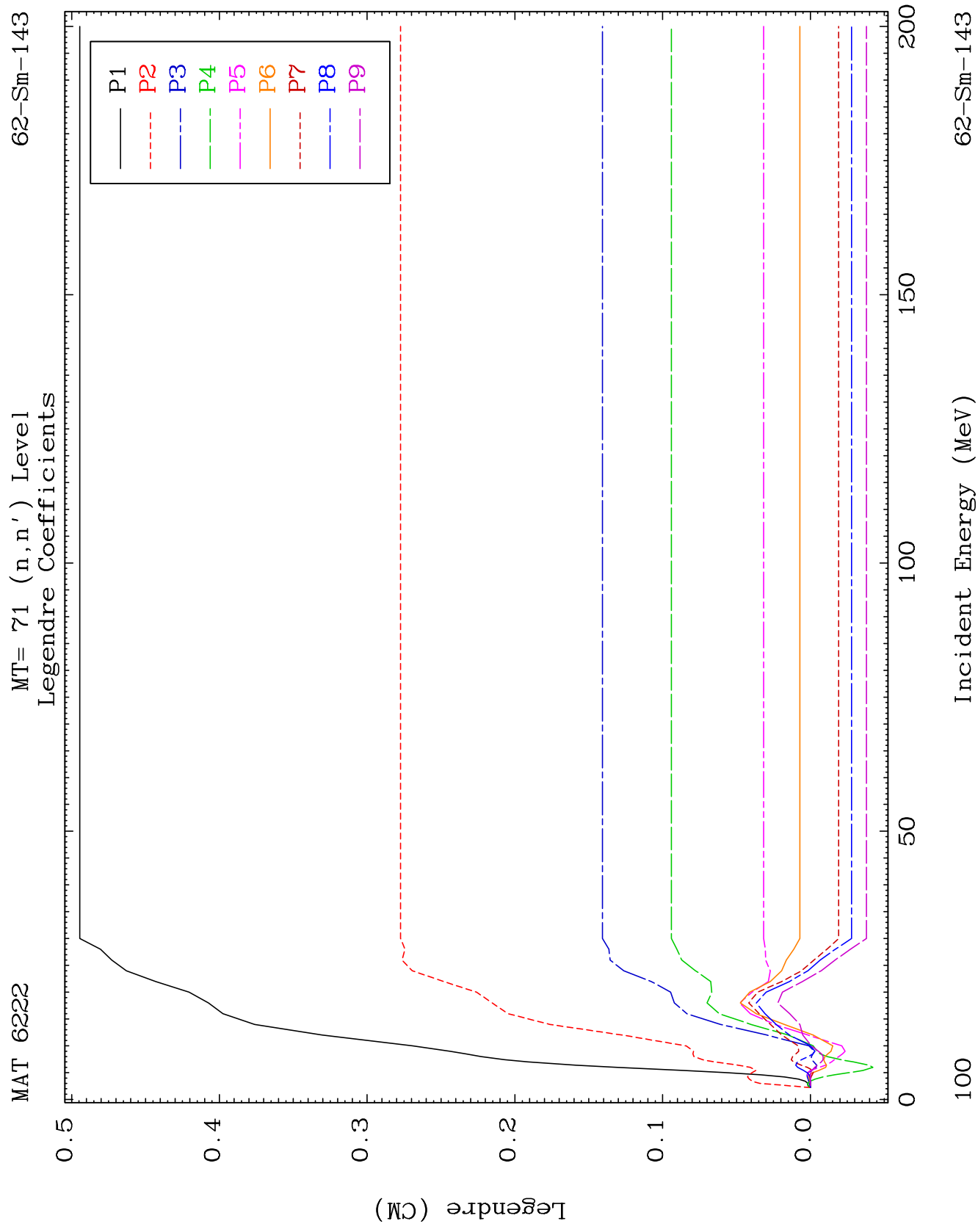
62-Sm-143

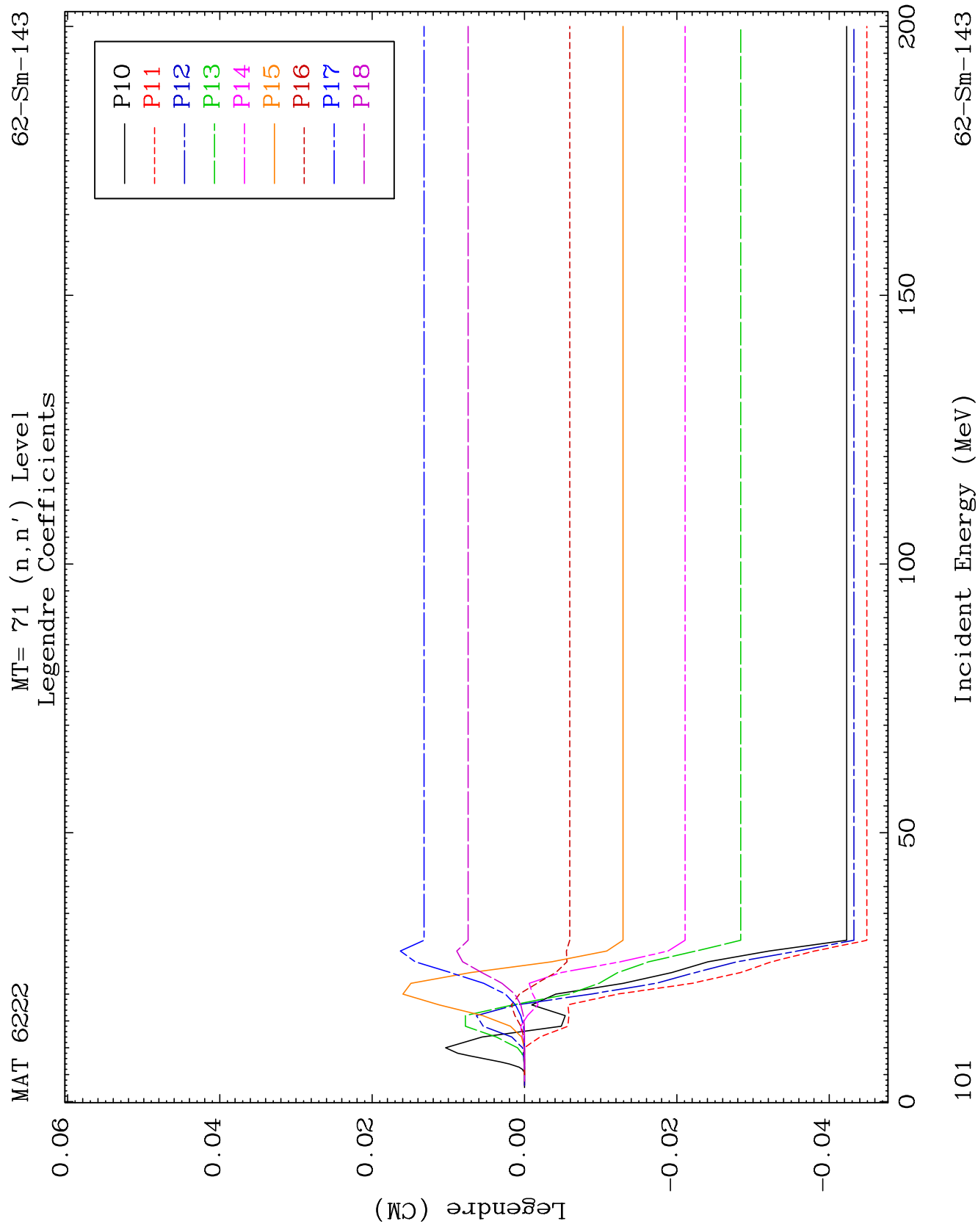








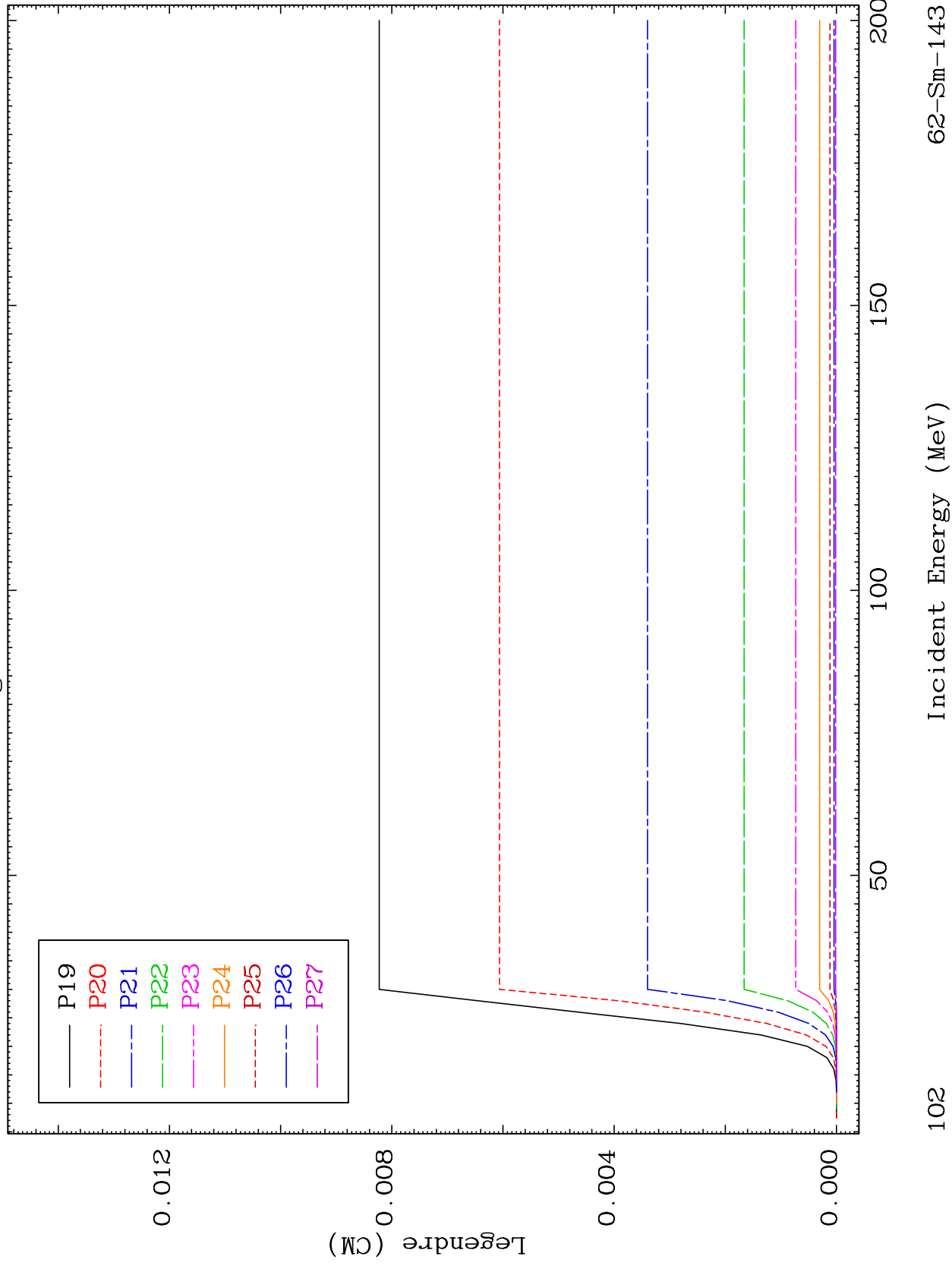


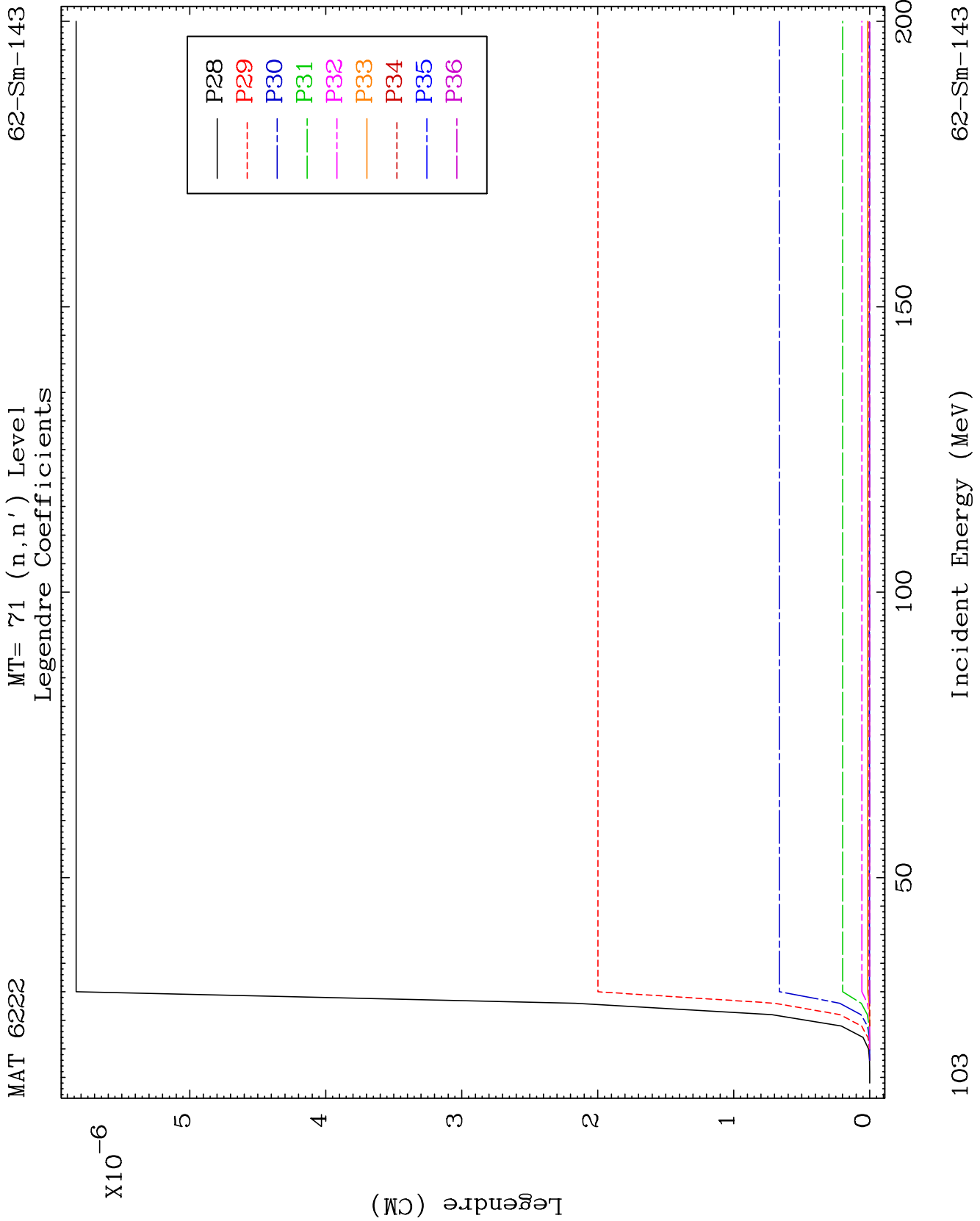


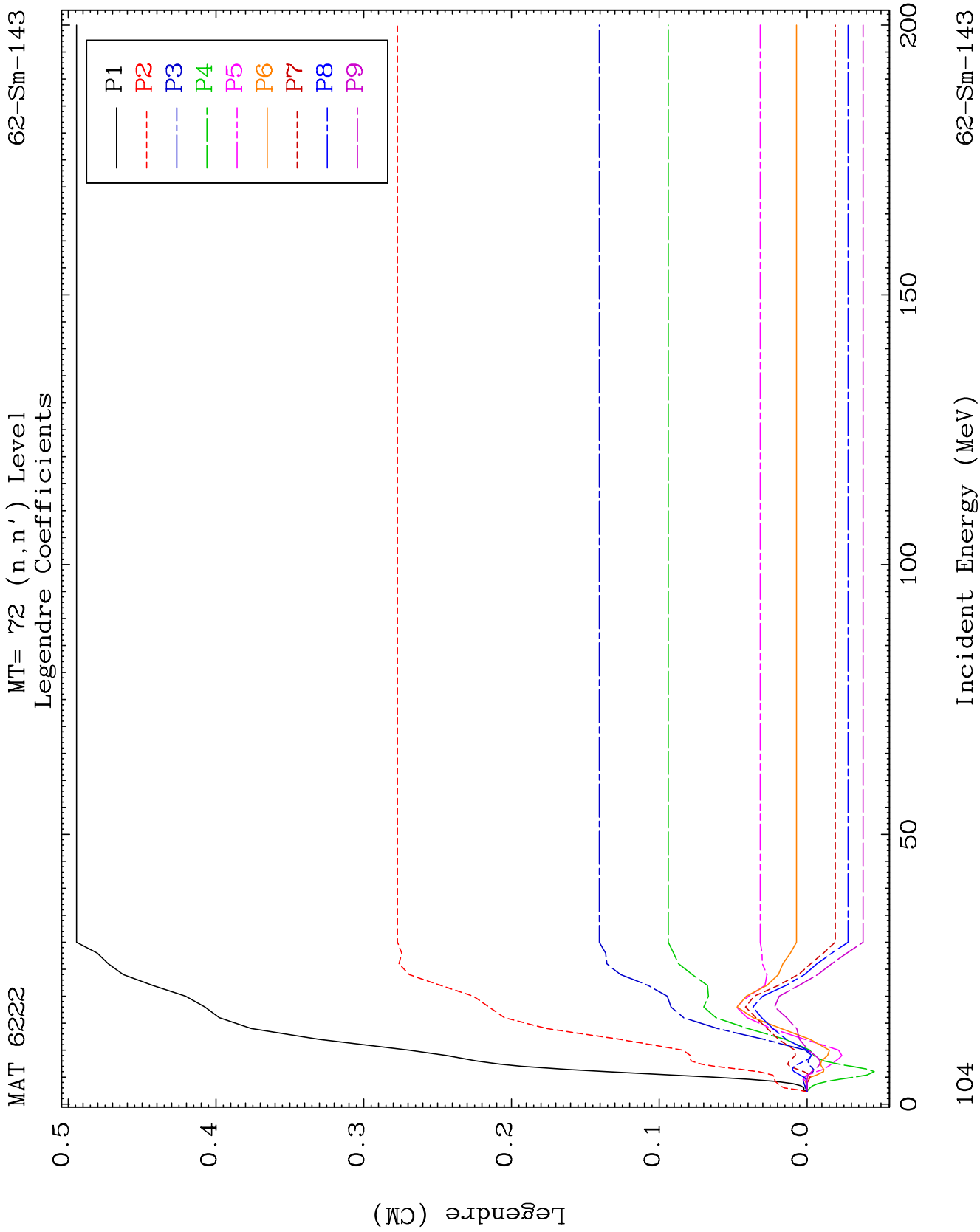
MAT 6222

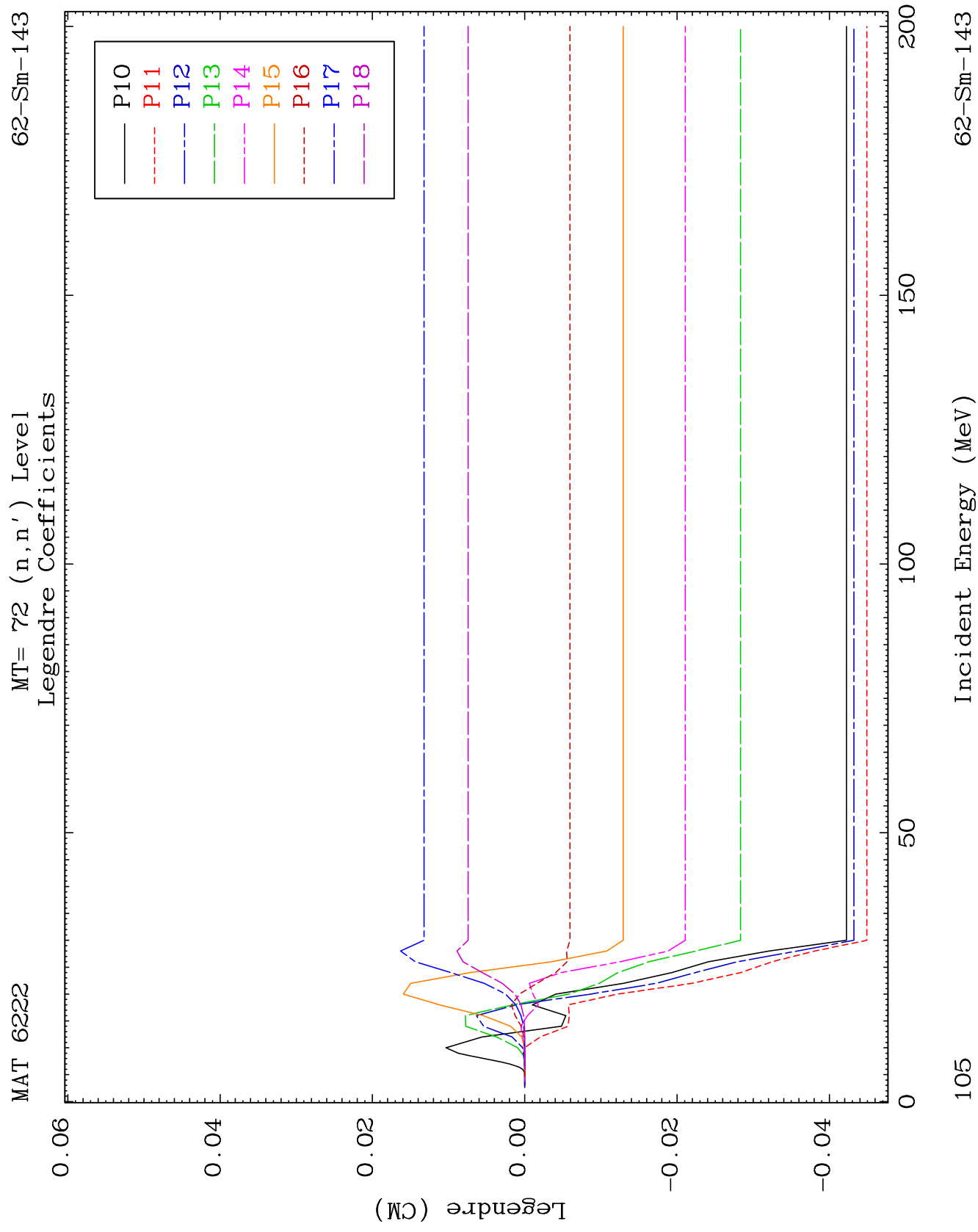
MT= 71 (n, n') Level
Legendre Coefficients

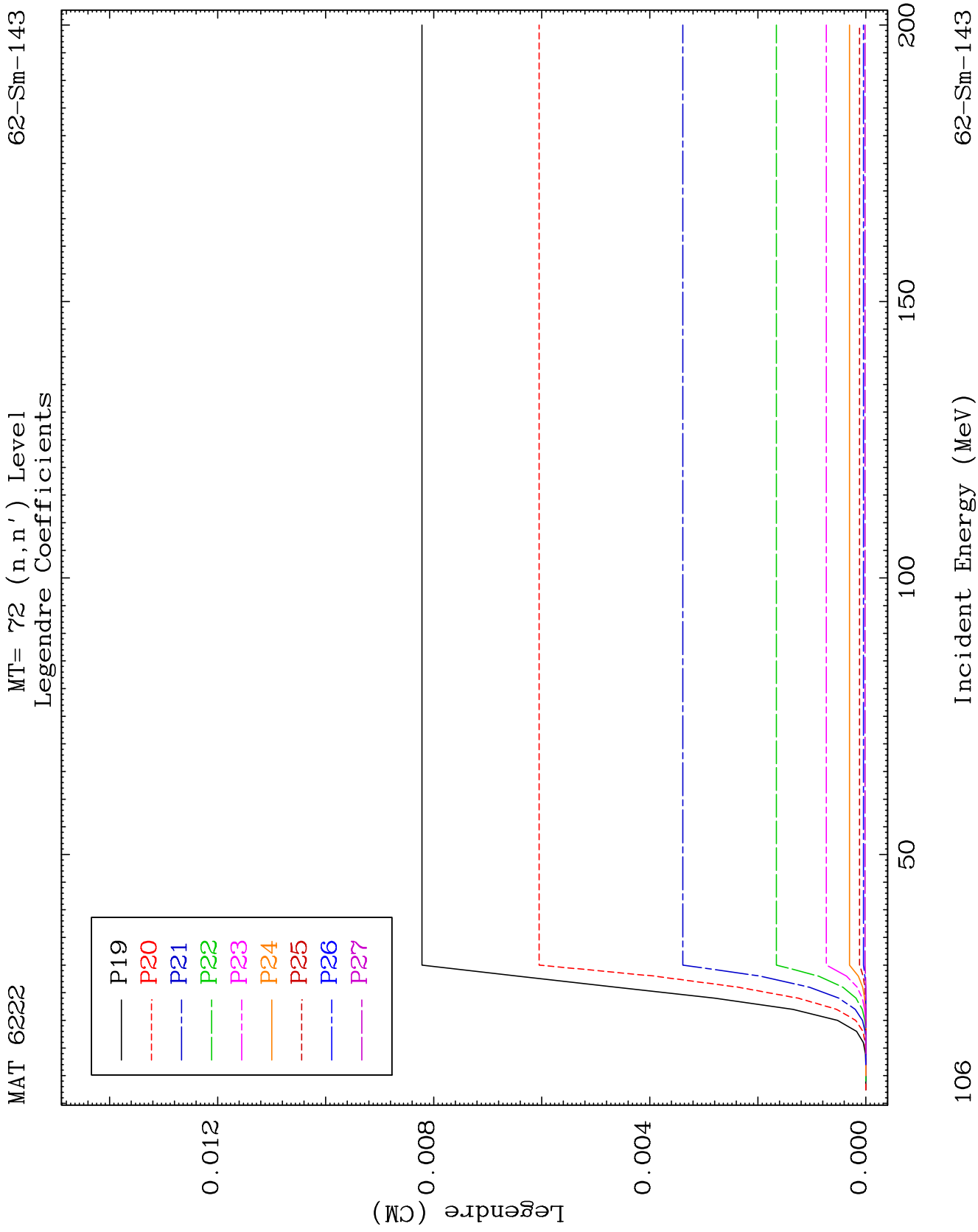
62-Sm-143

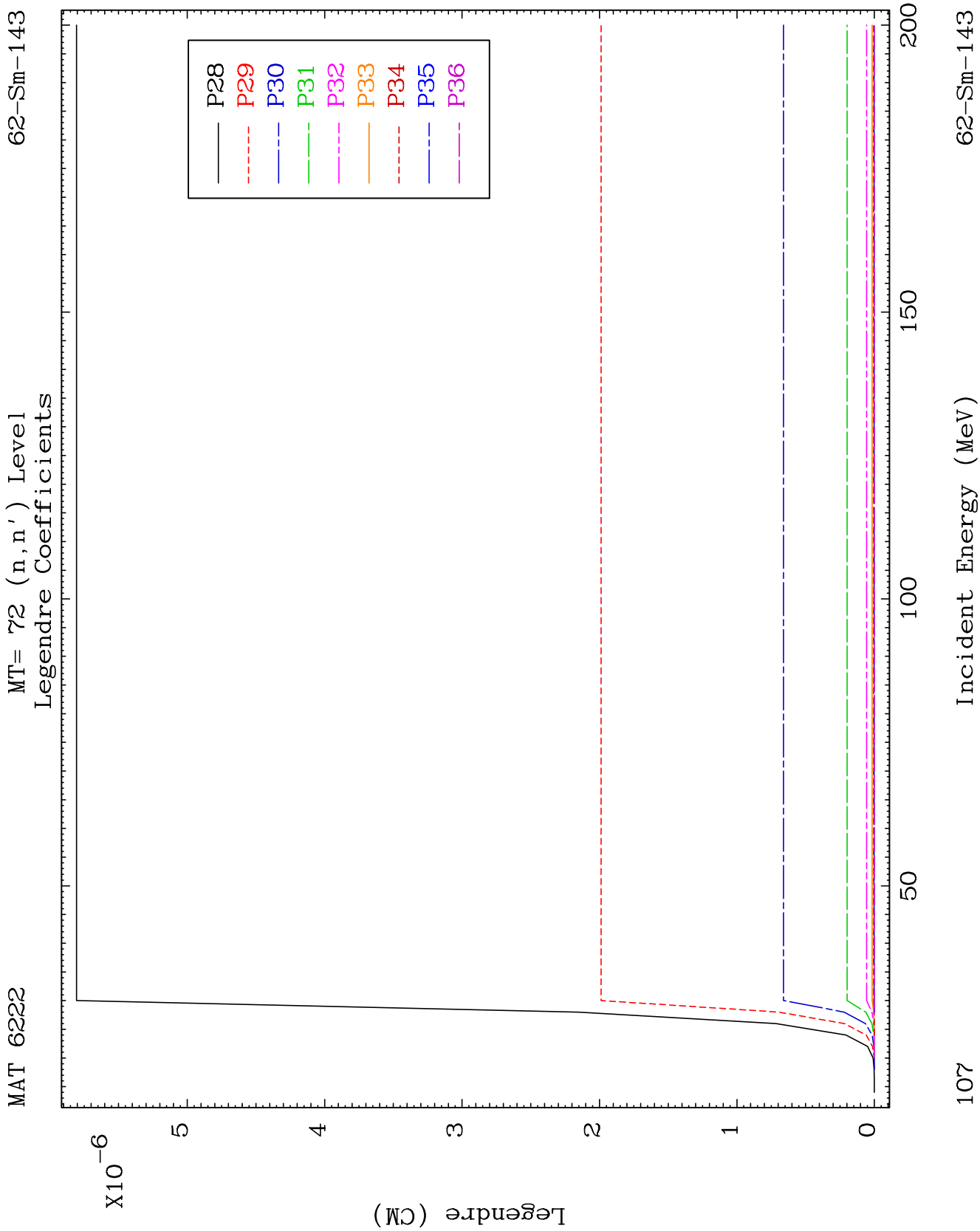








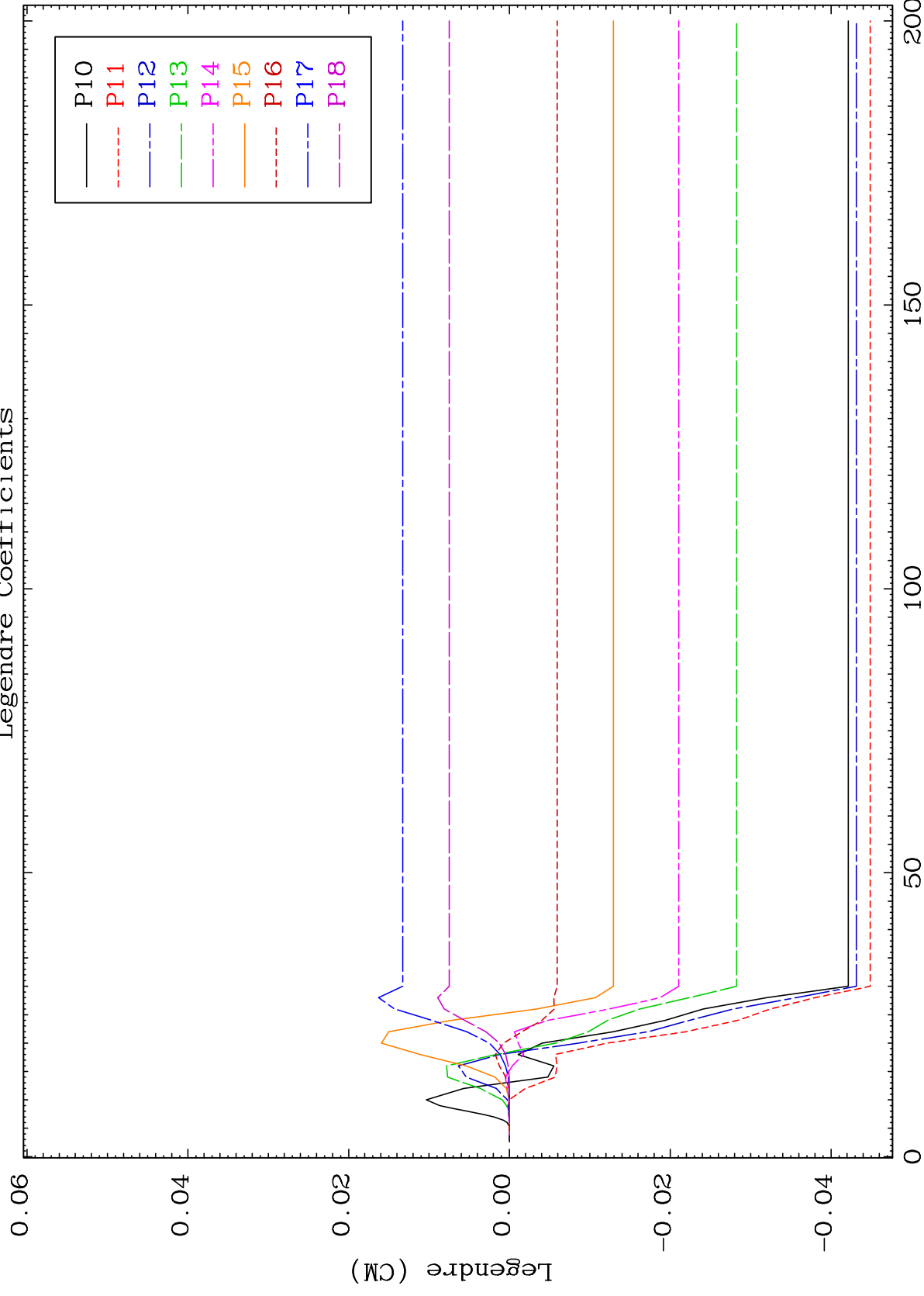




MAT 6222

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

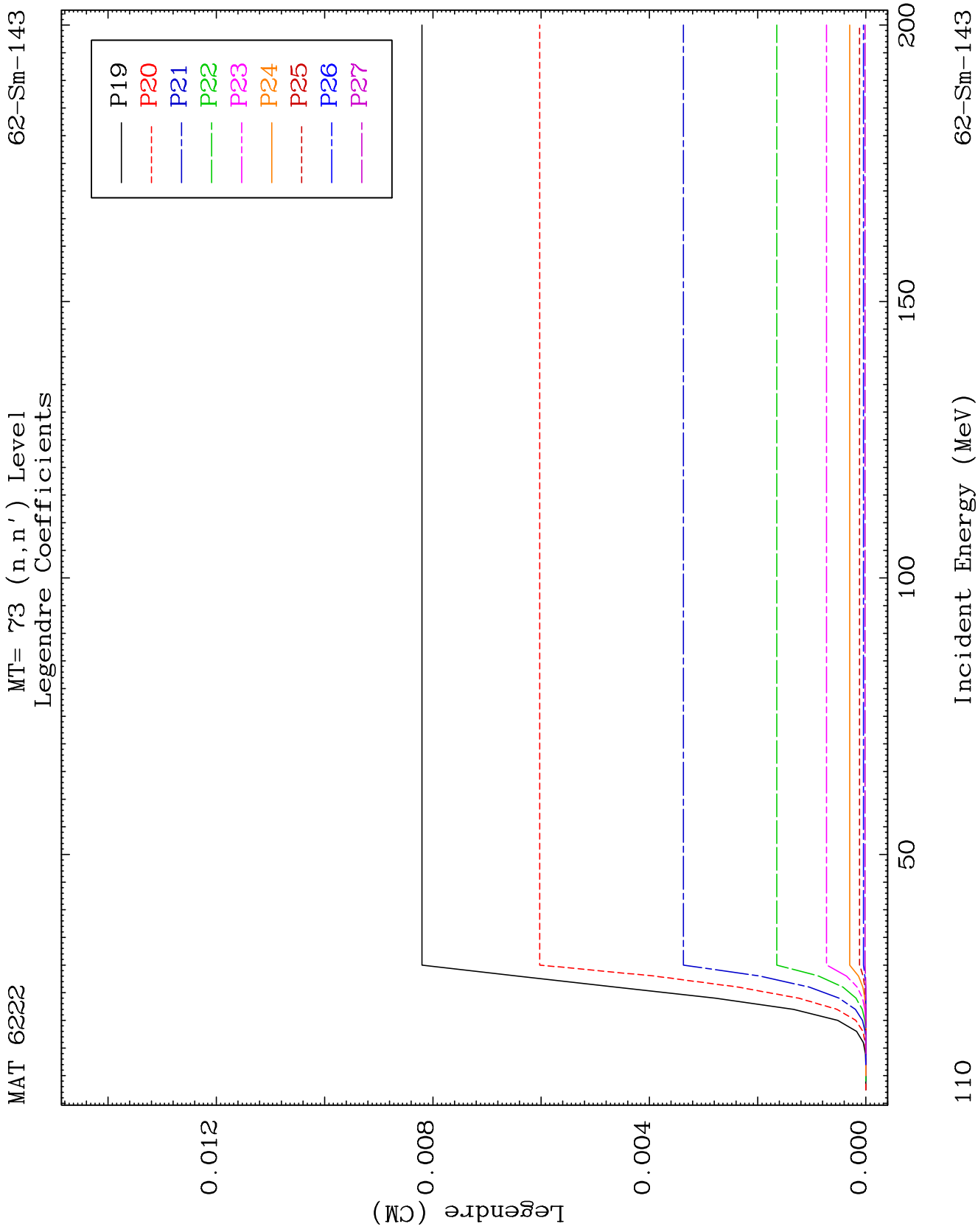
62-Sm-143

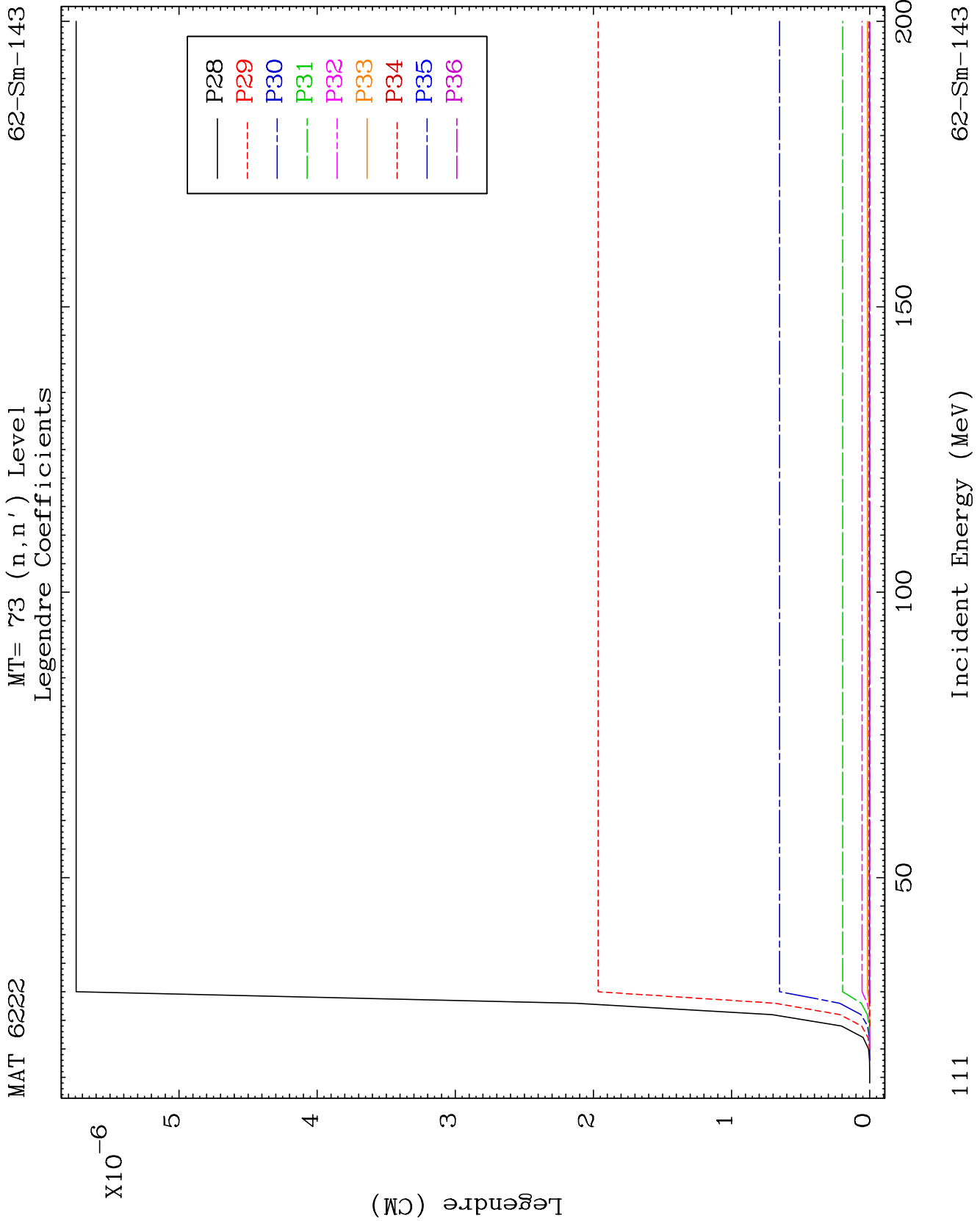


109

Incident Energy (MeV)

62-Sm-143

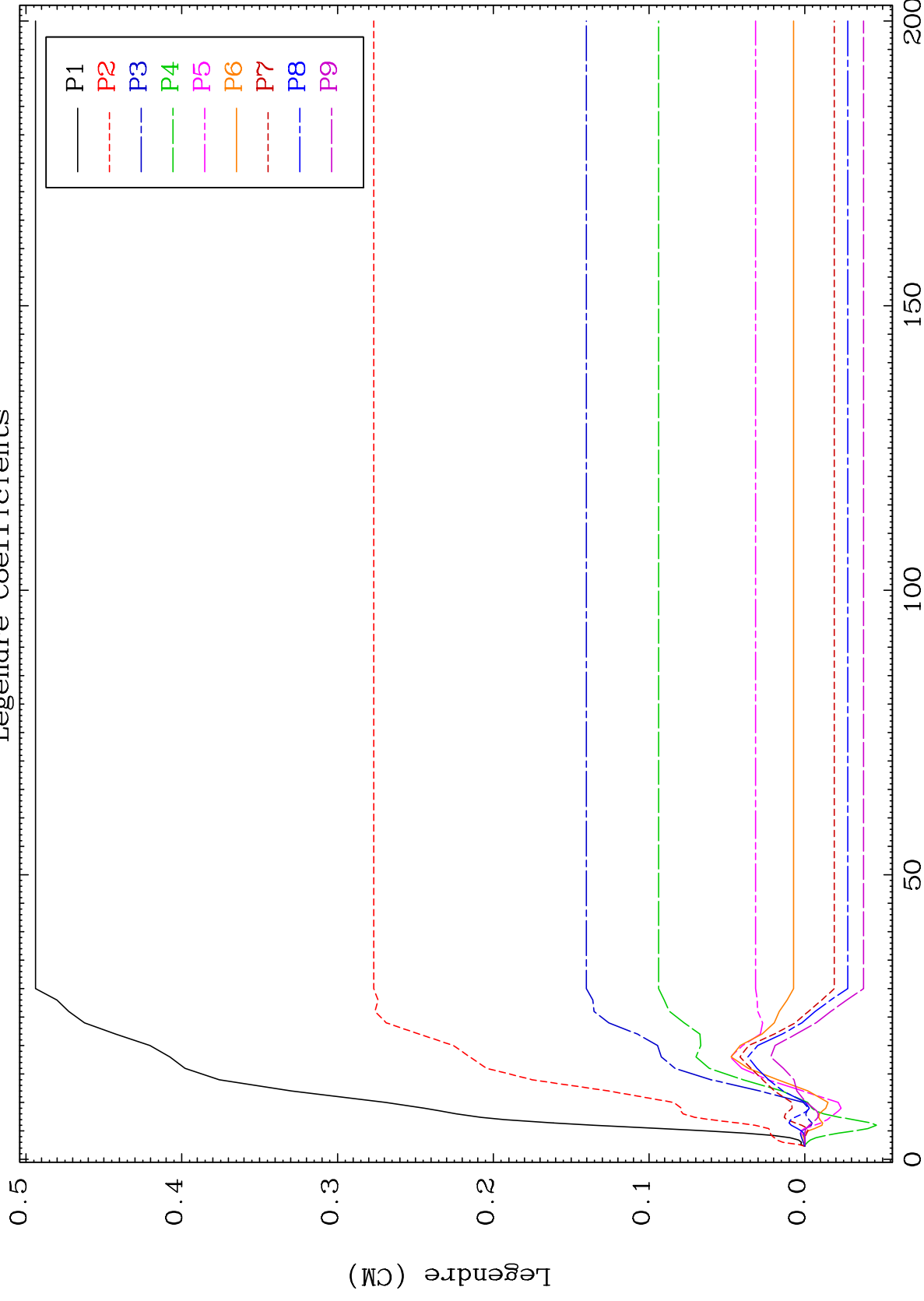




MAT 6222

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

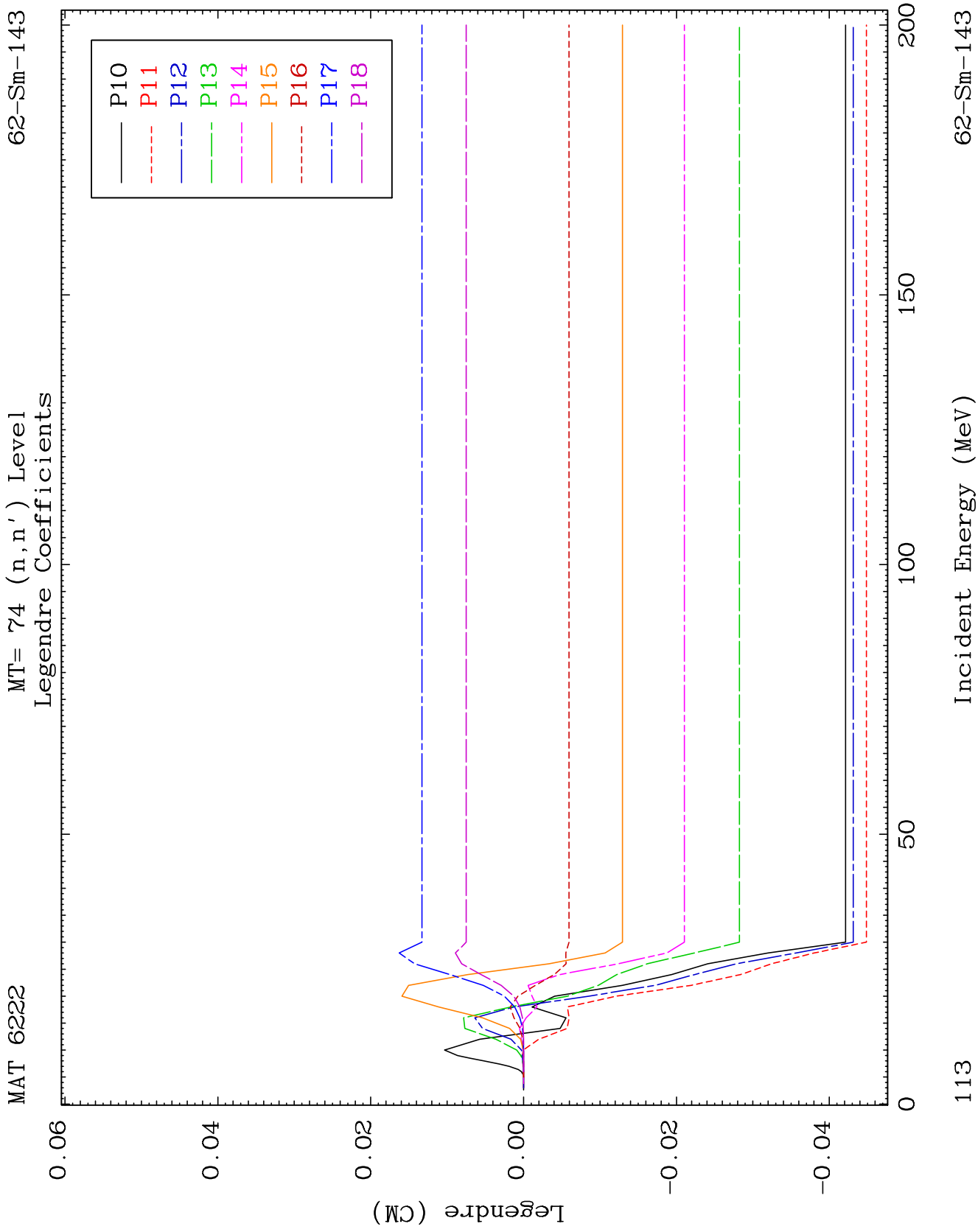
62-Sm-143

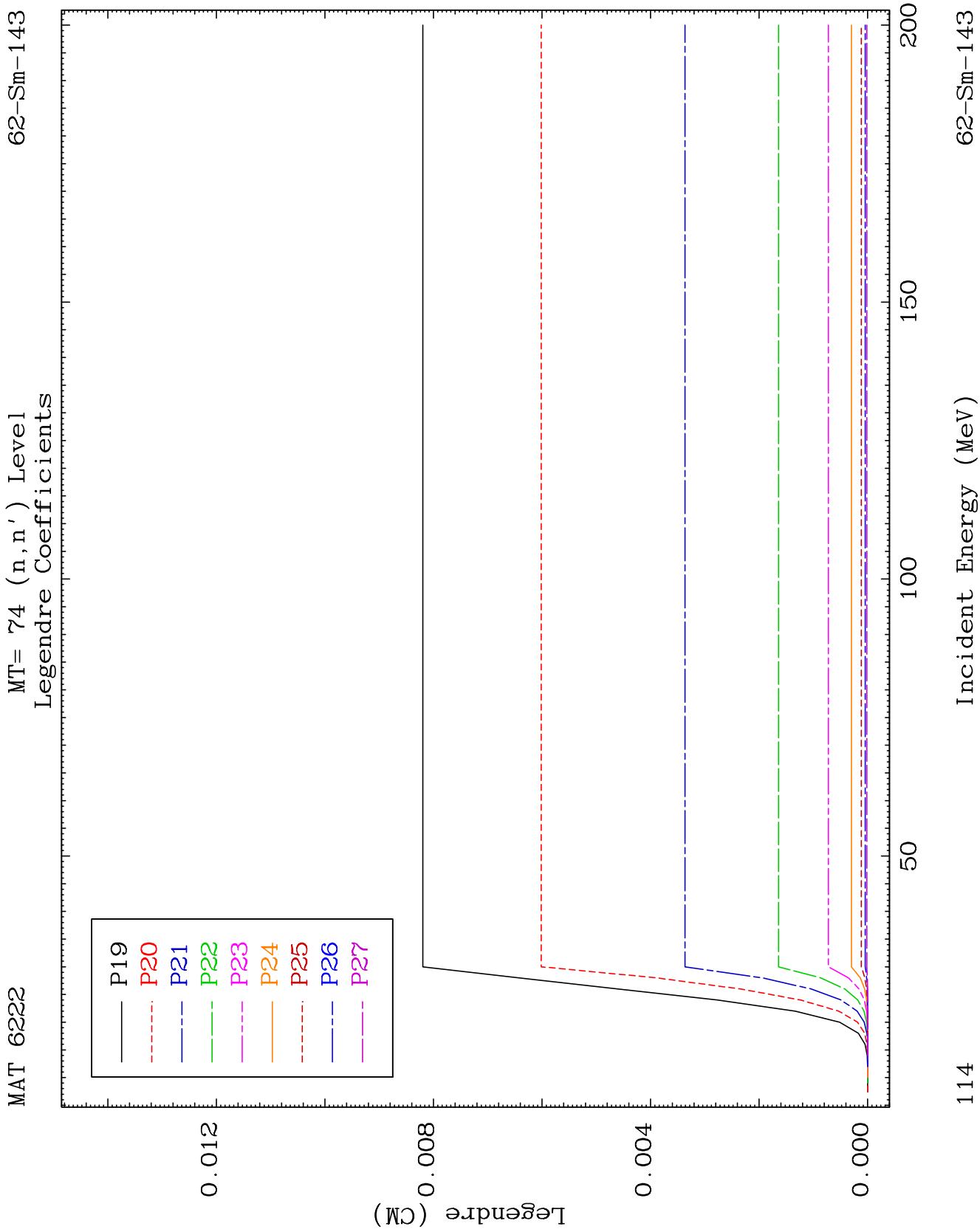


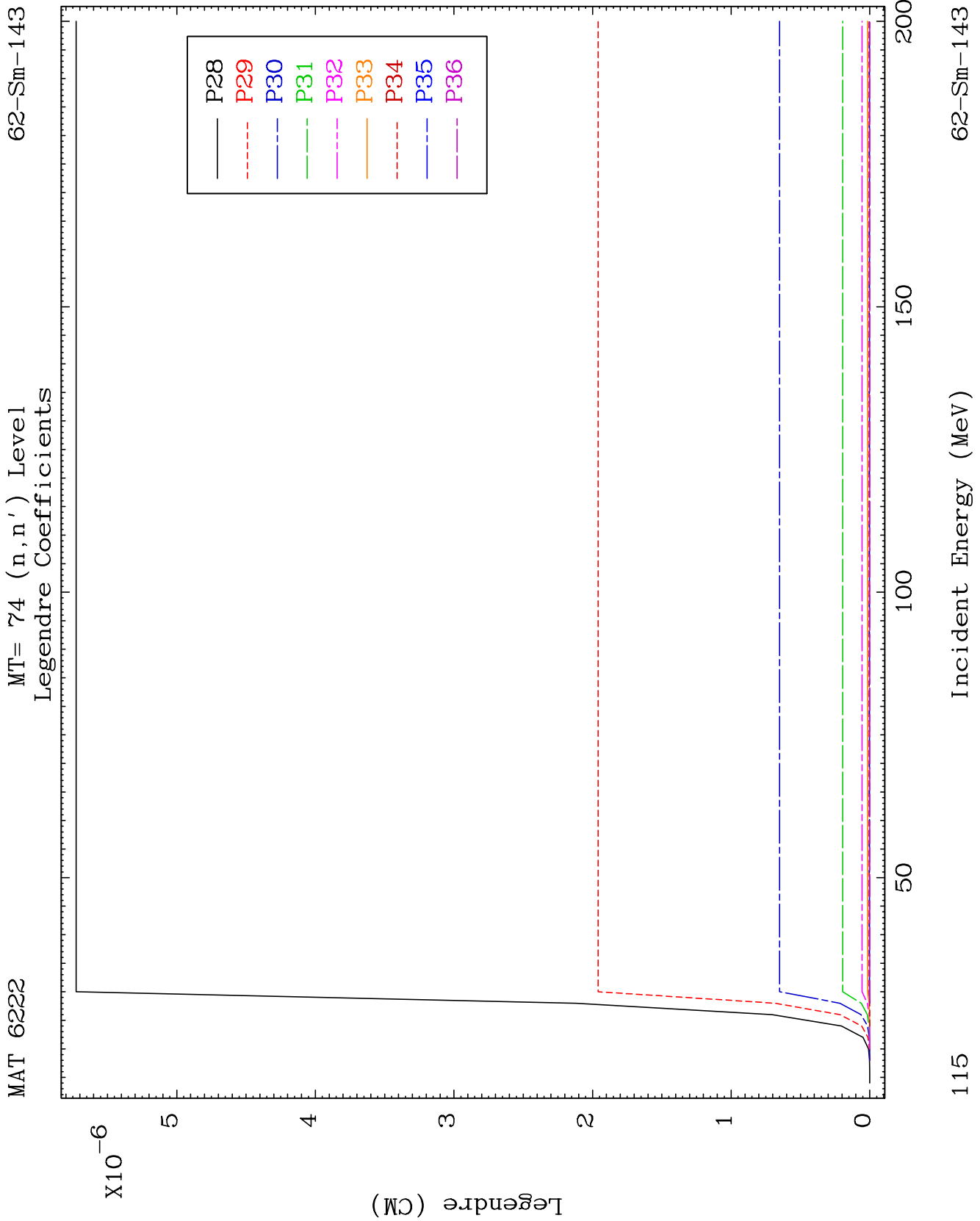
112

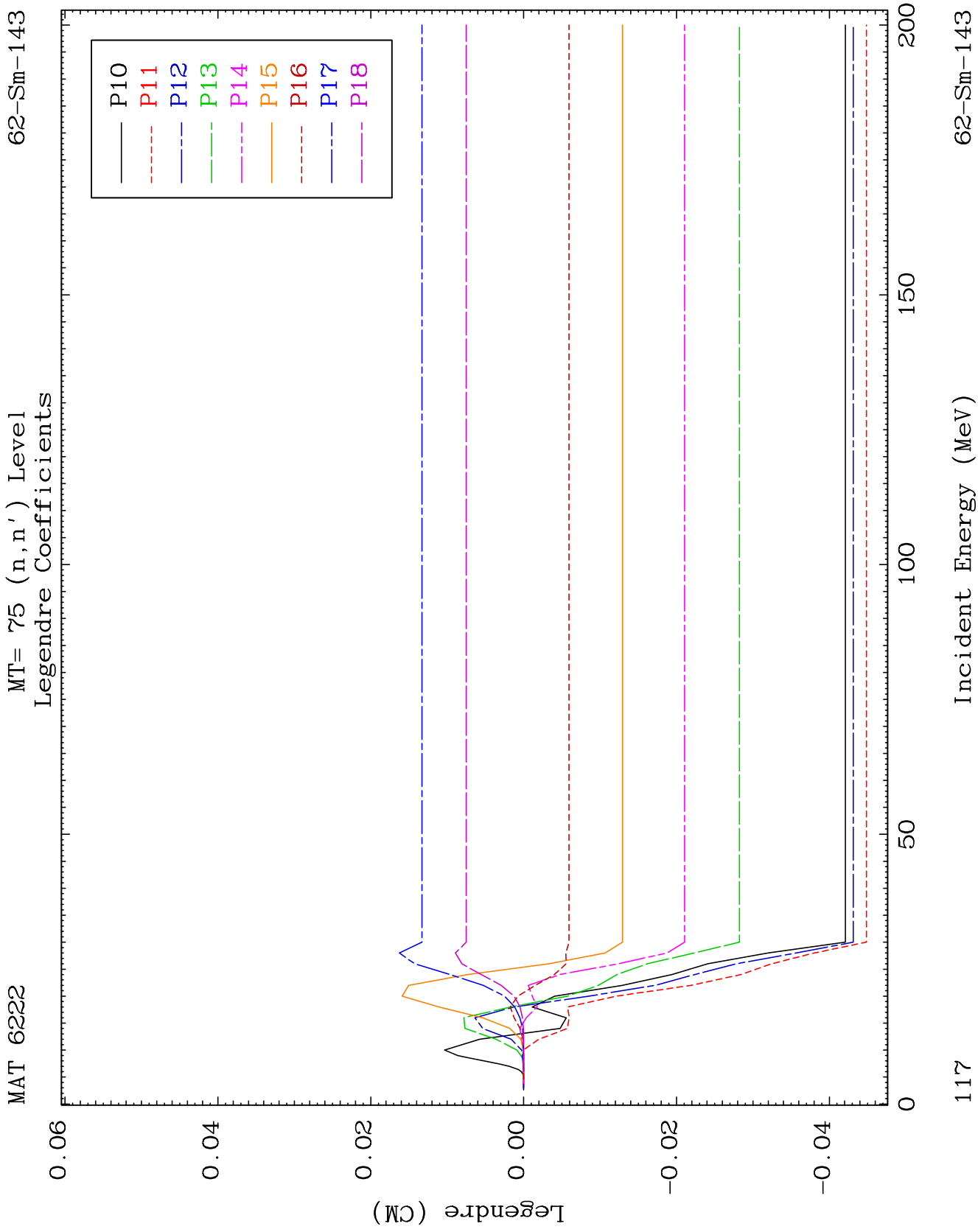
Incident Energy (MeV)

62-Sm-143





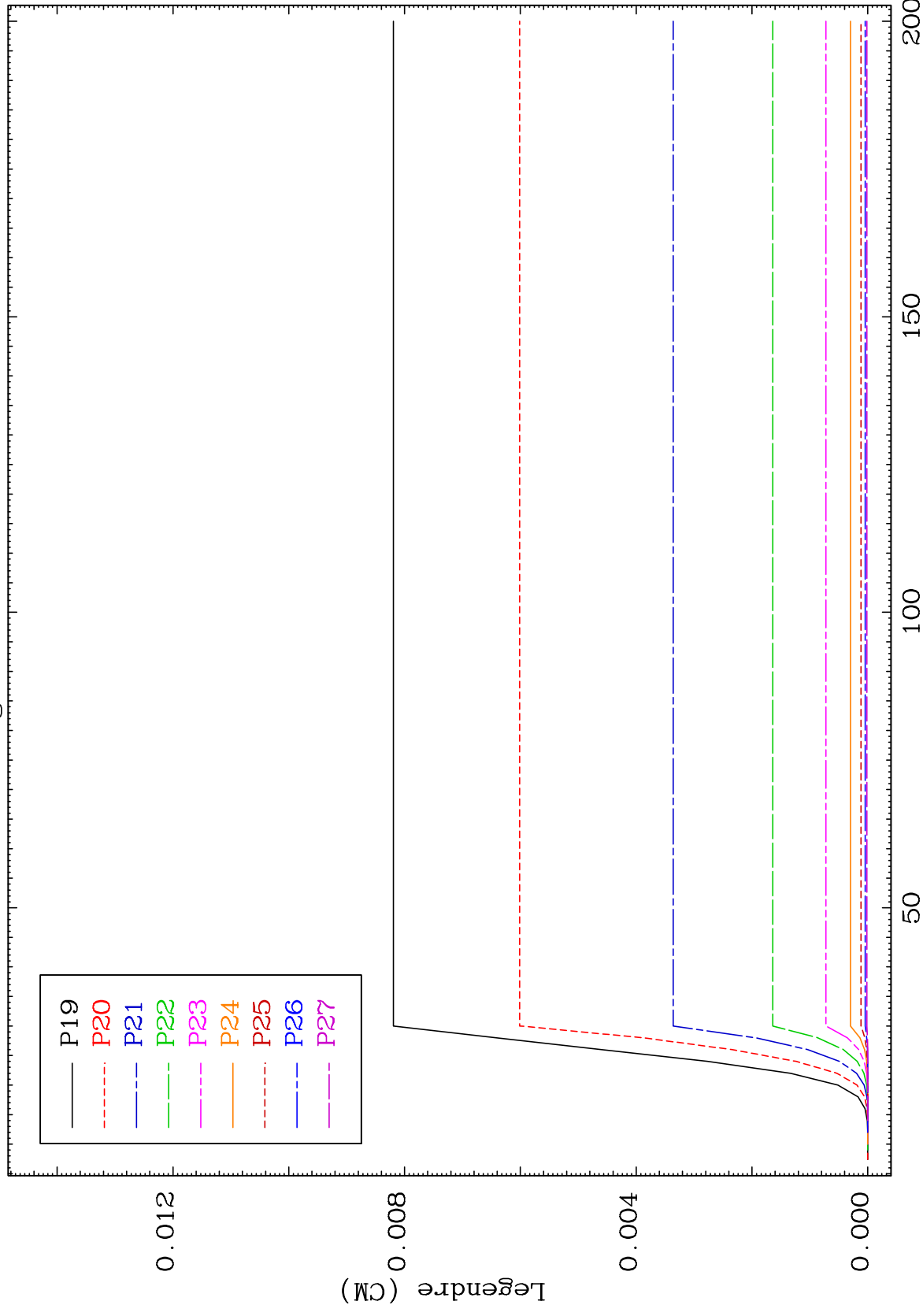




MAT 6222

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

62-Sm-143



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Incident Energy (MeV)

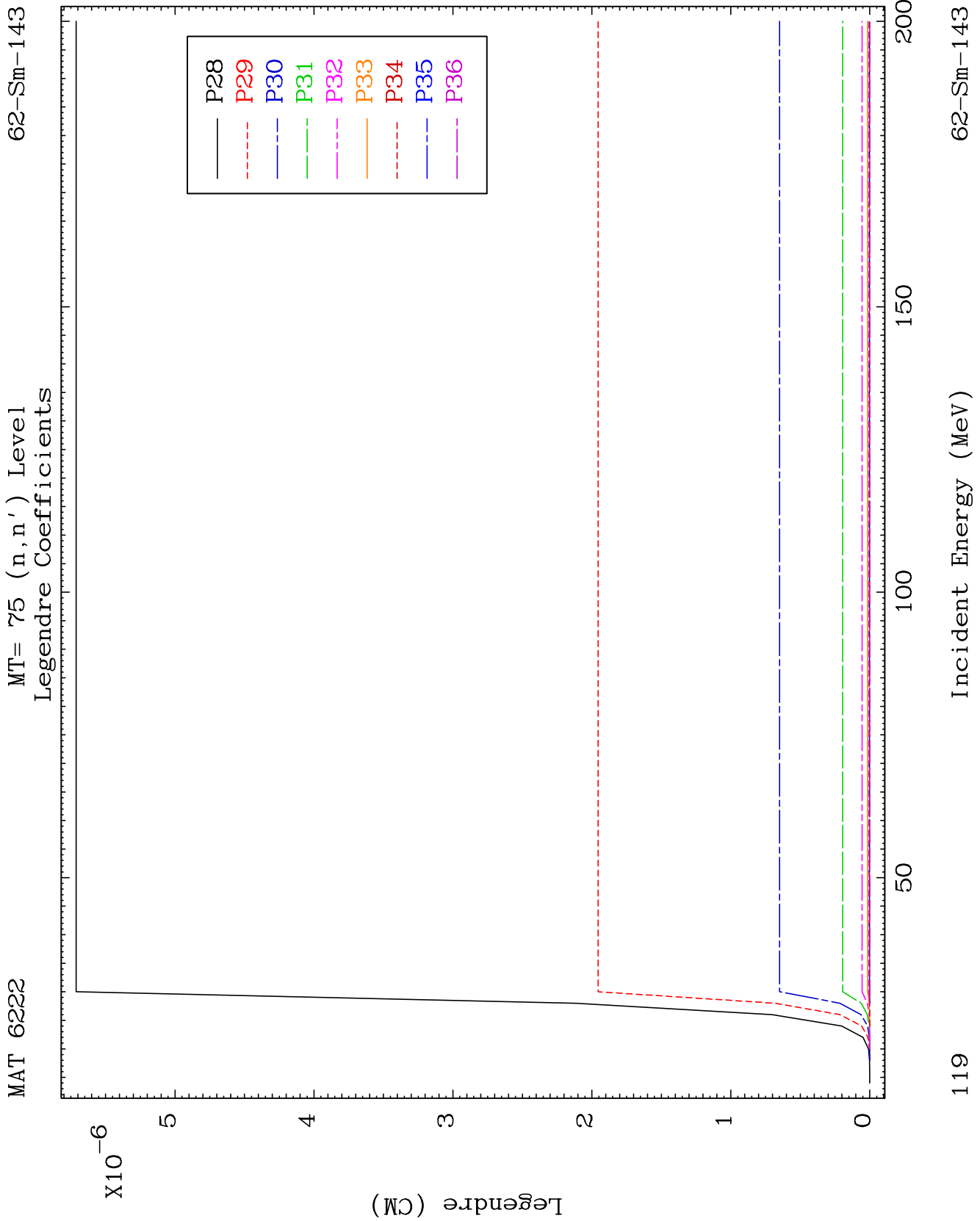
62-Sm-143

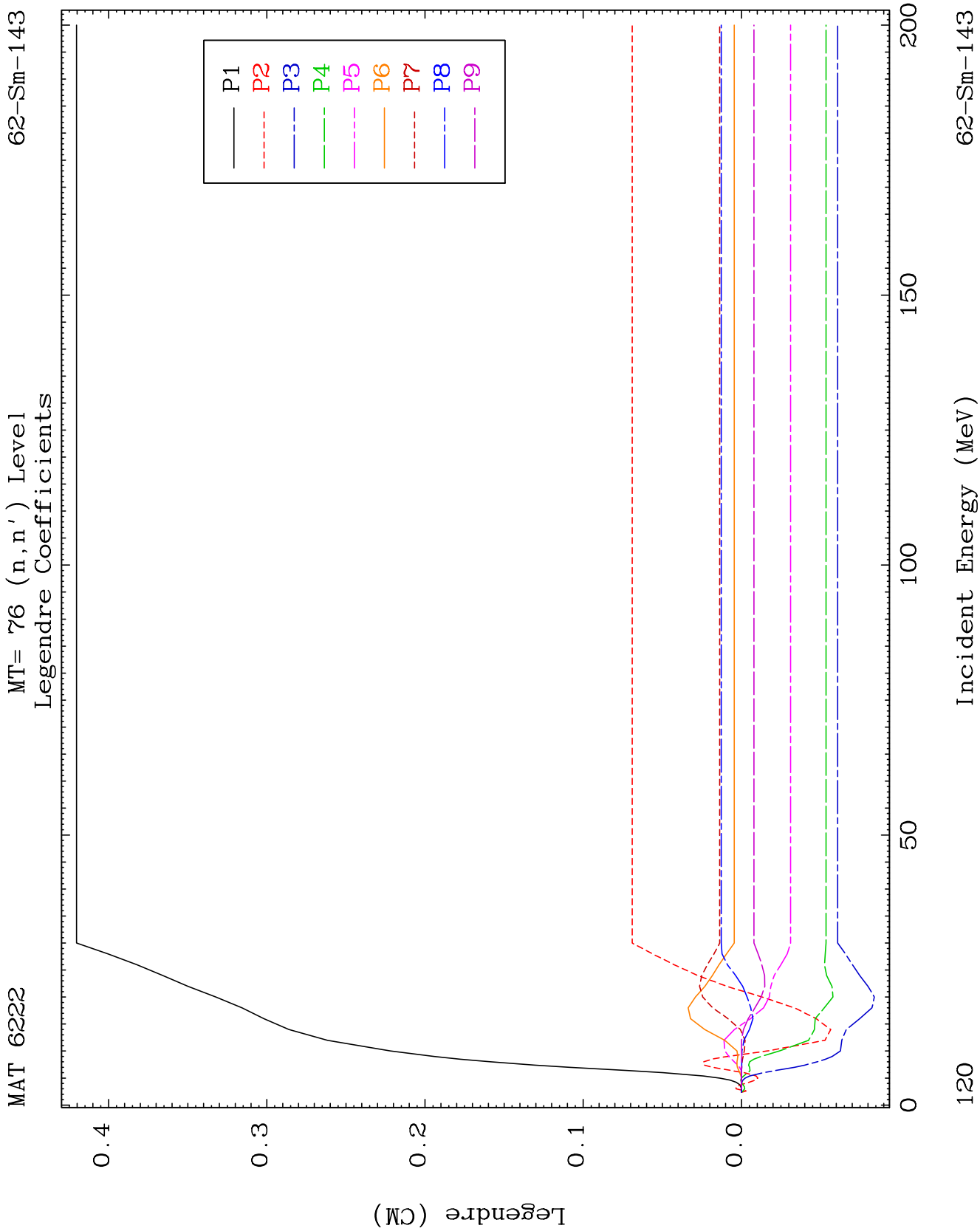
50

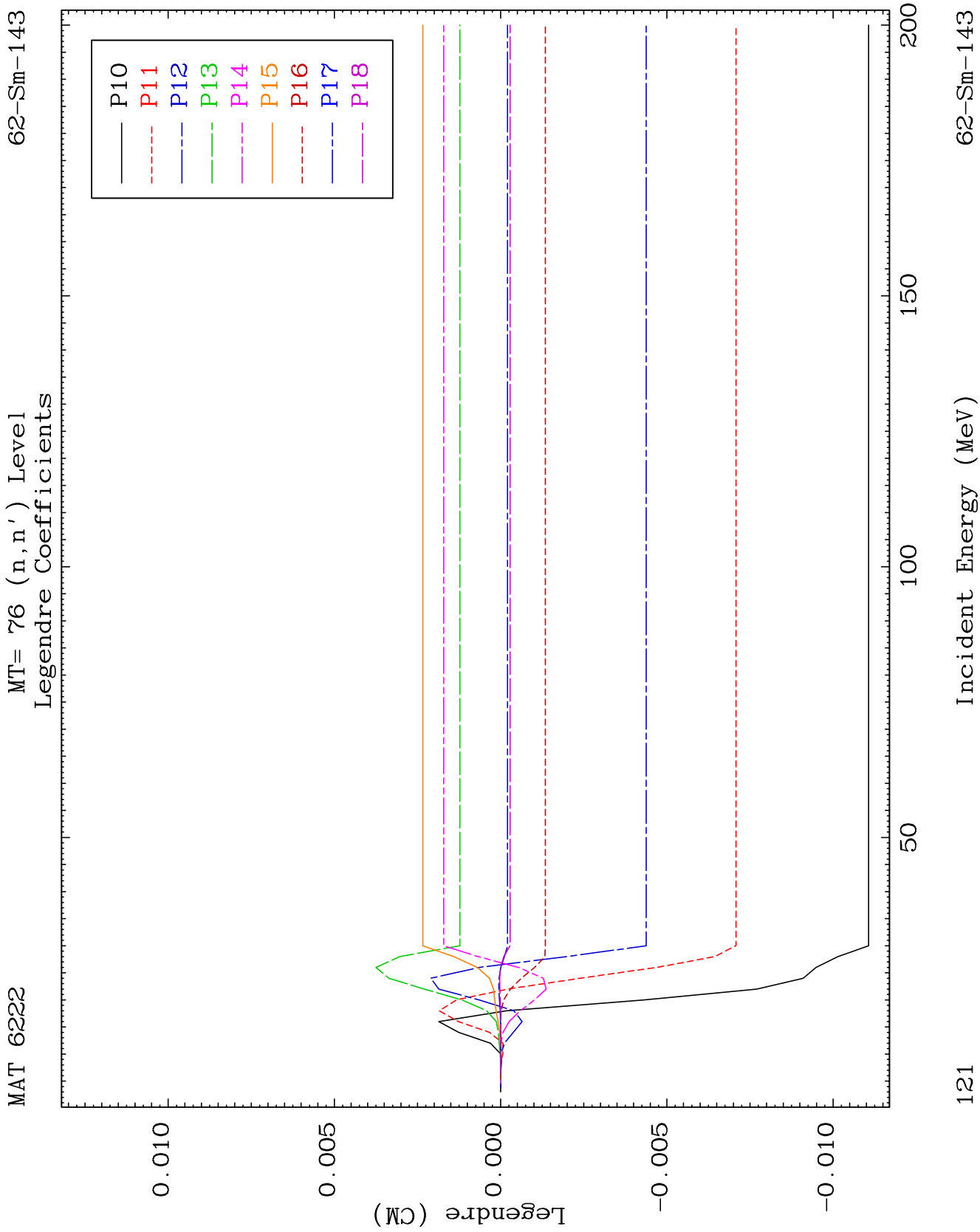
100

150

200



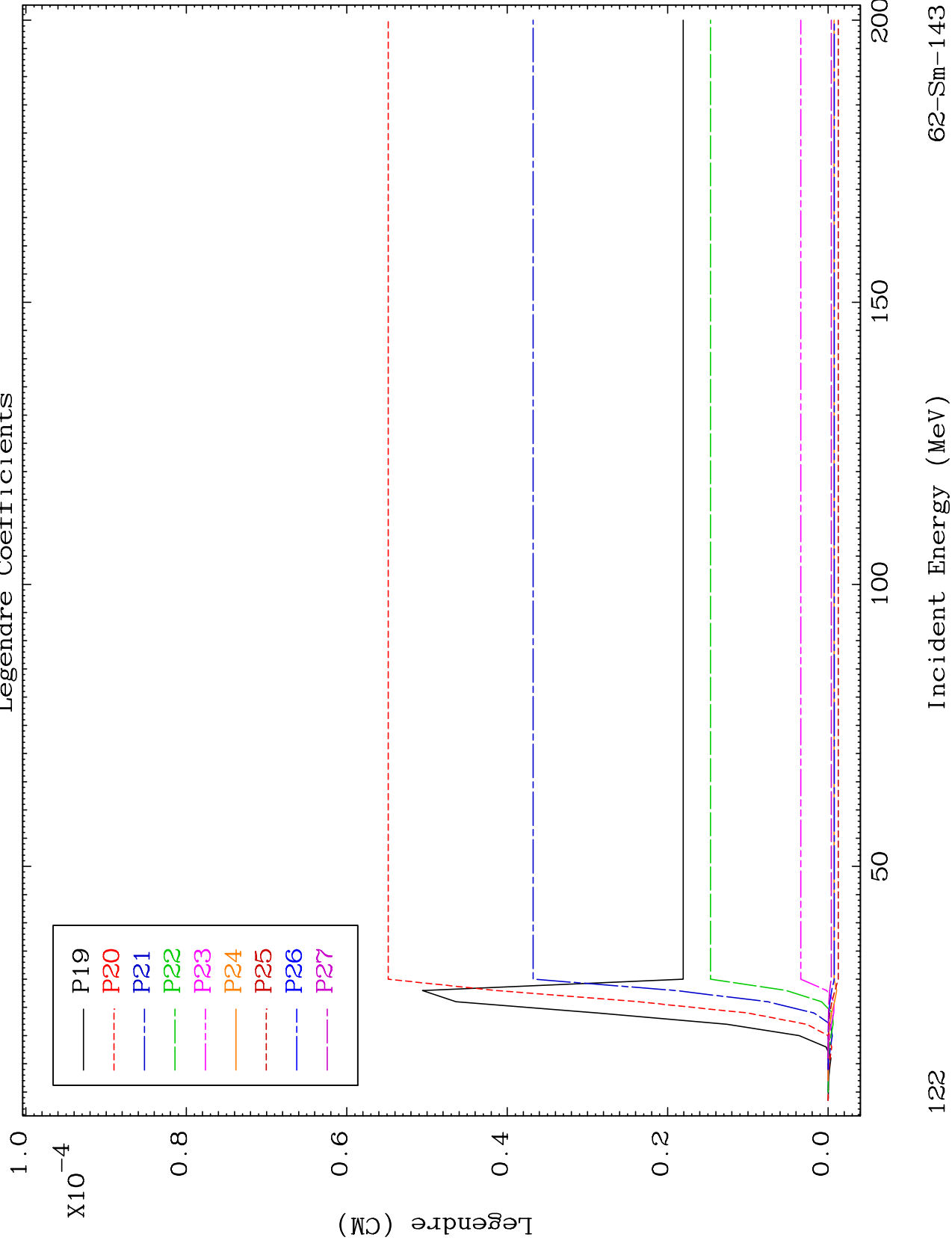


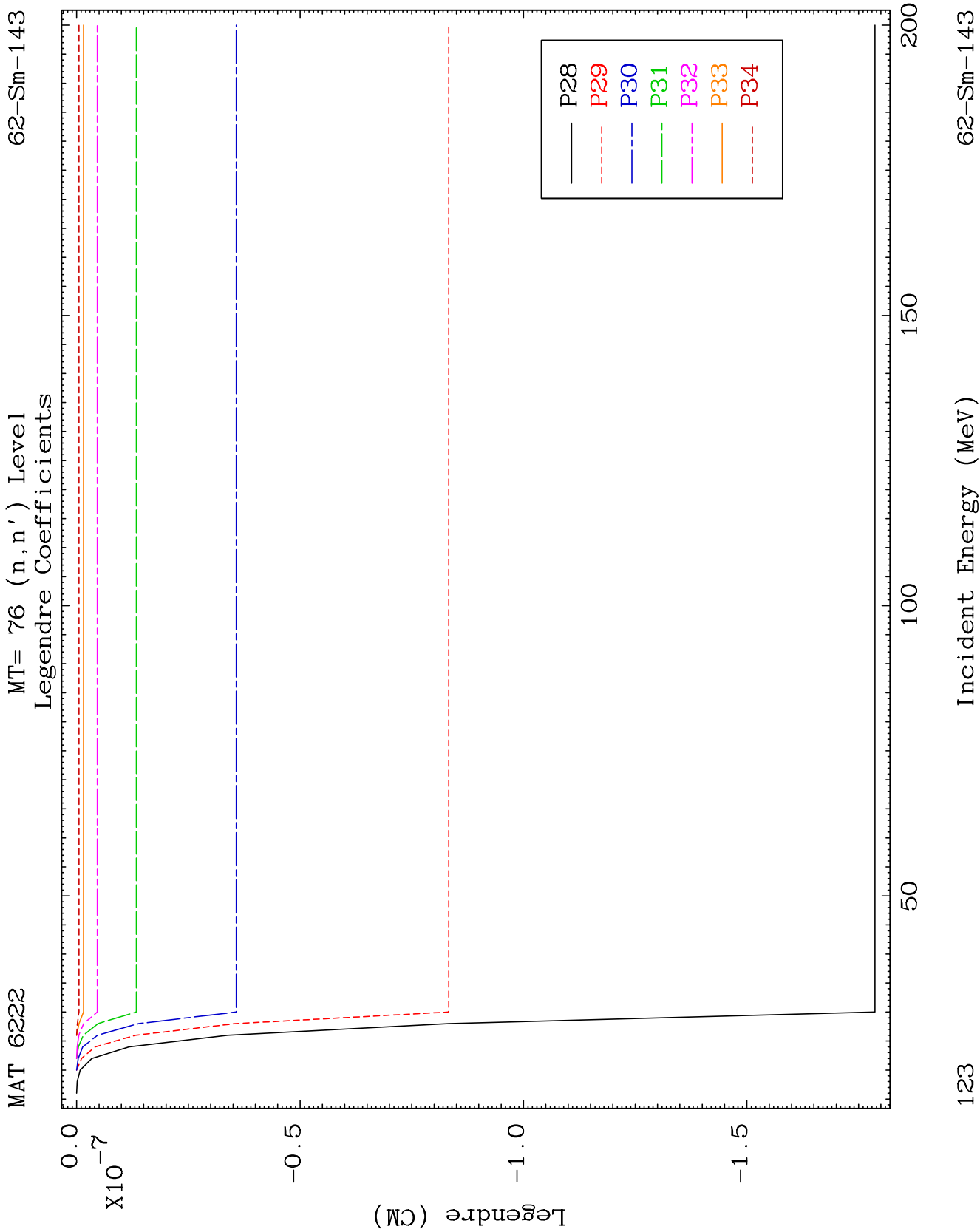


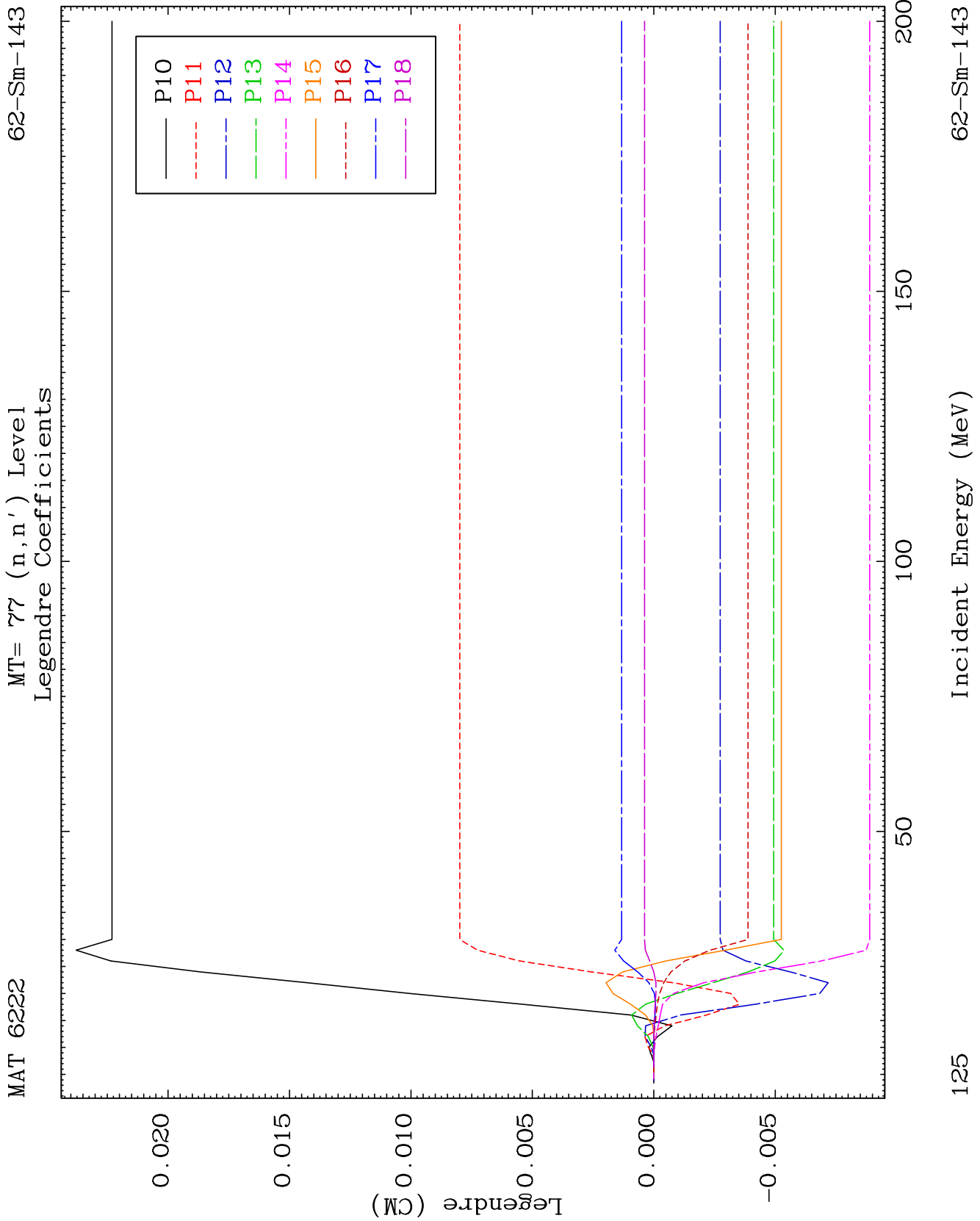
MAT 6222

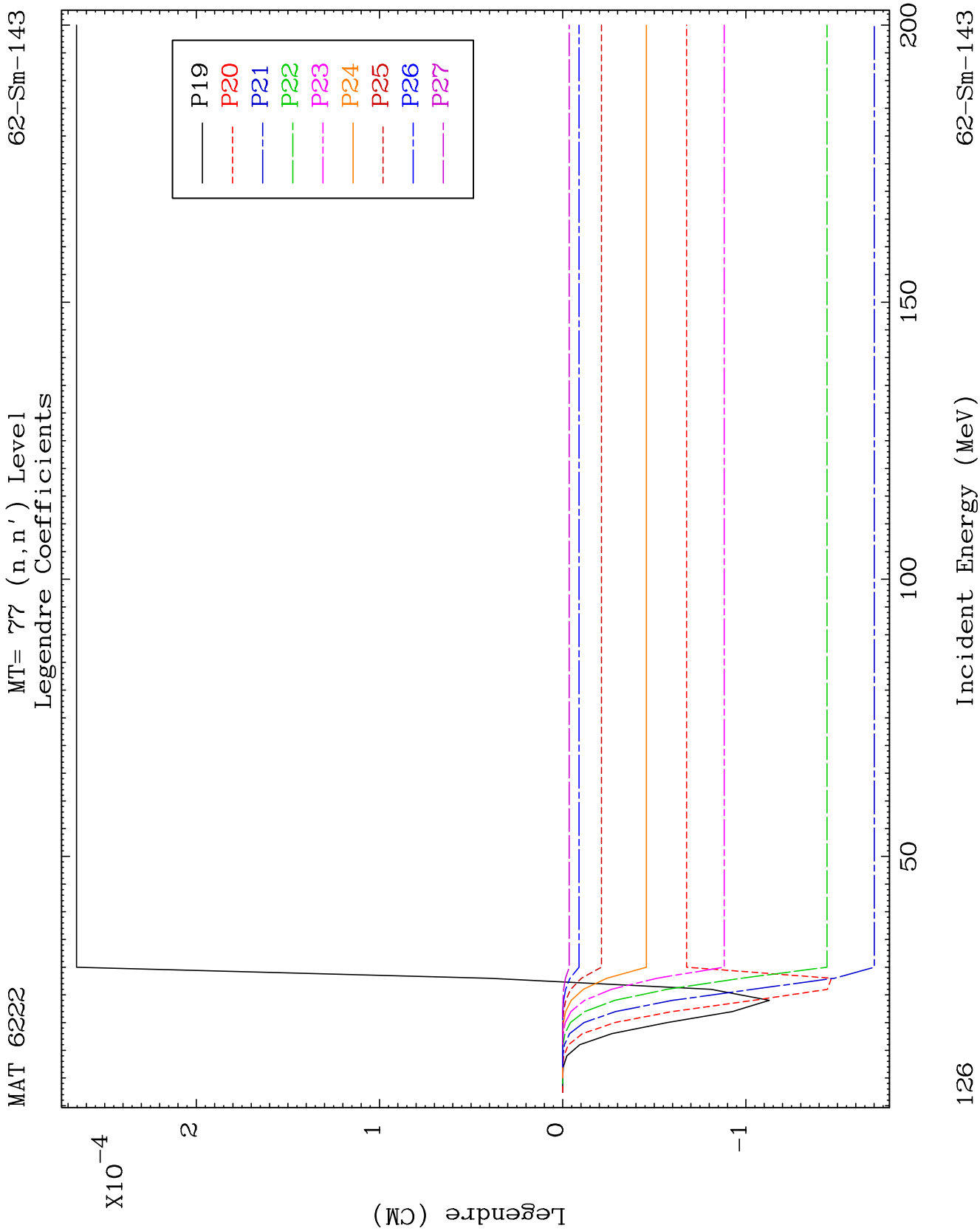
MT= 76 (n, n') Level
Legendre Coefficients

62-Sm-143





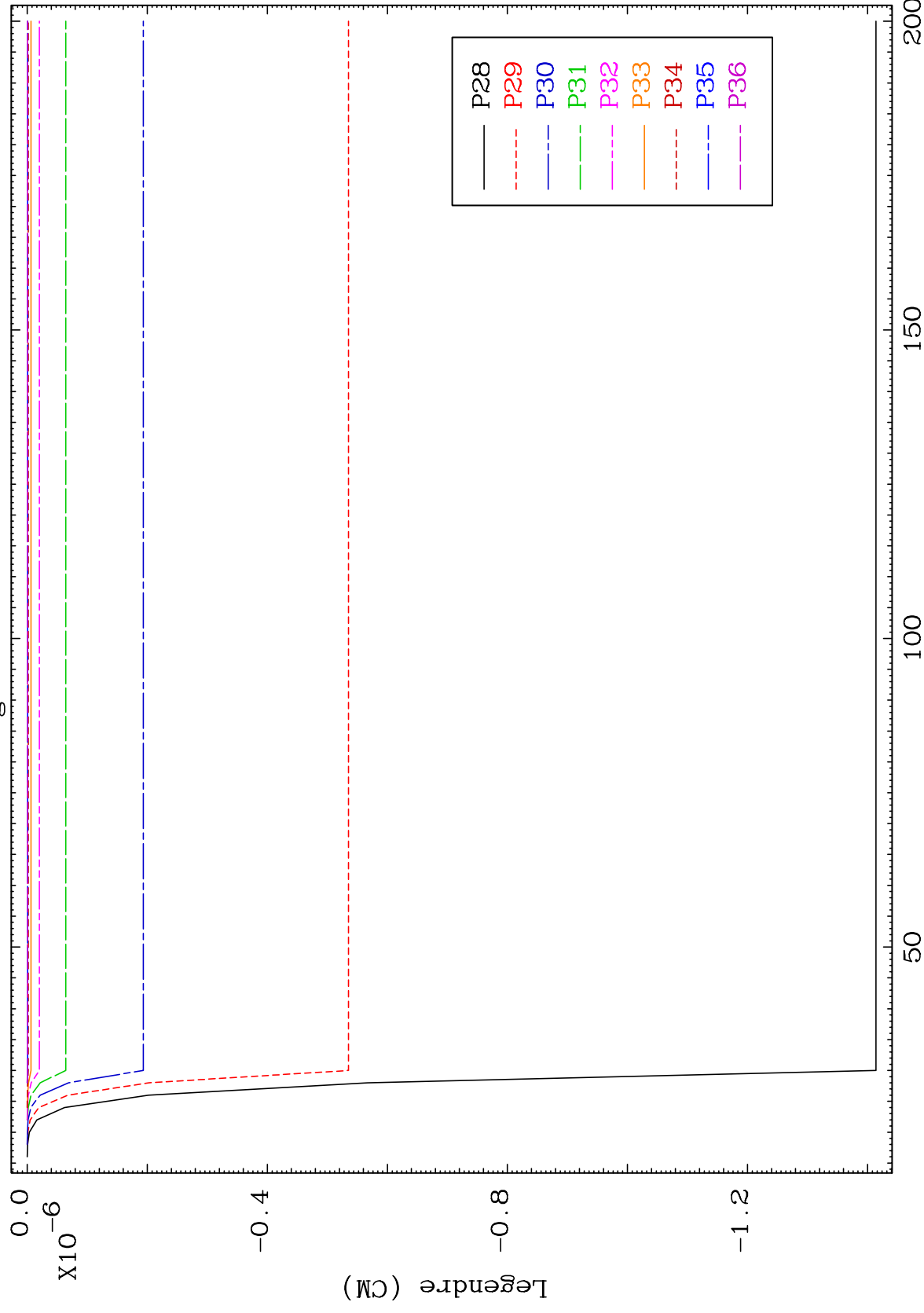




MAT 6222

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

62-Sm-143



127

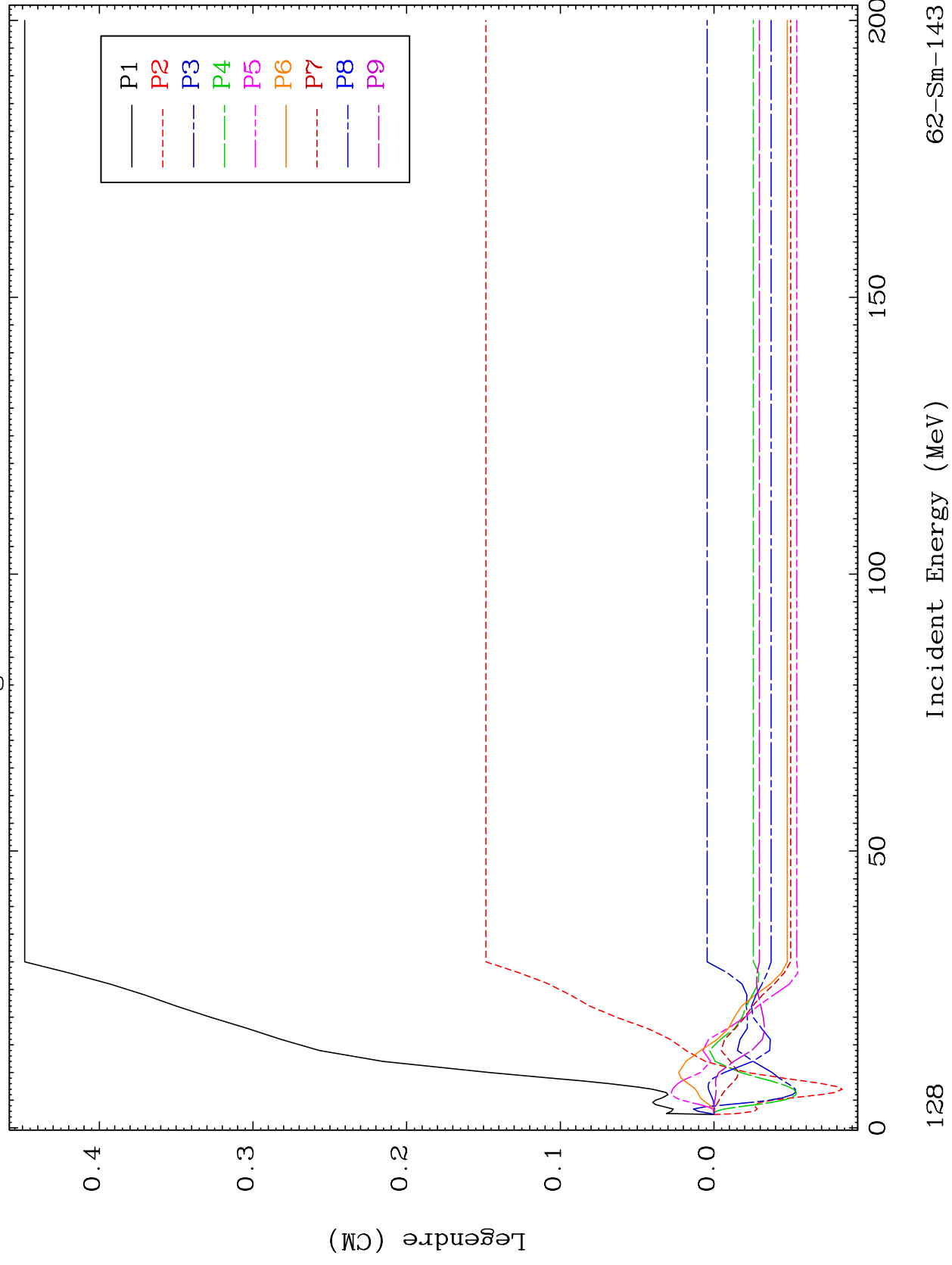
Incident Energy (MeV)

62-Sm-143

MAT 6222

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

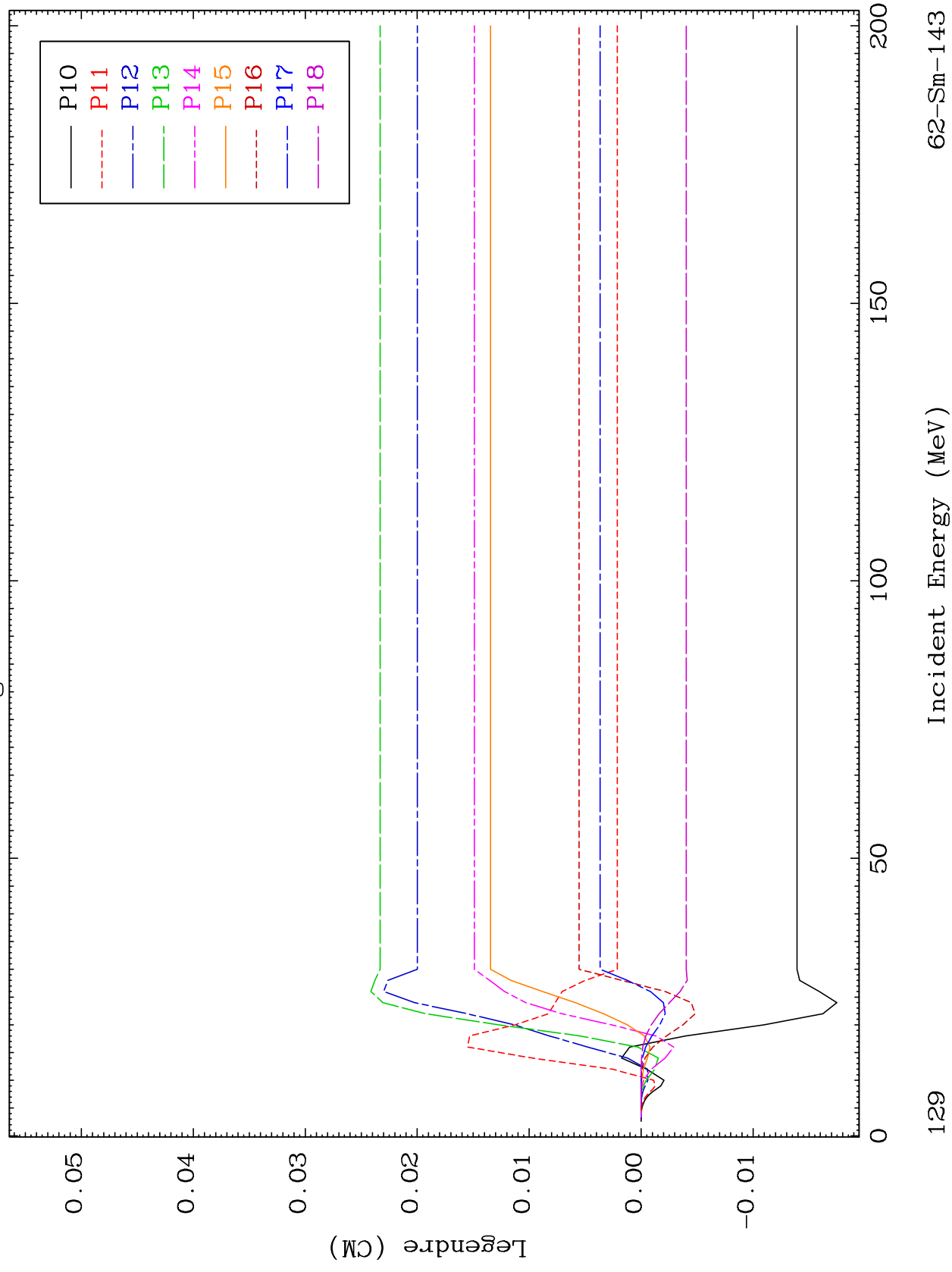
62-Sm-143

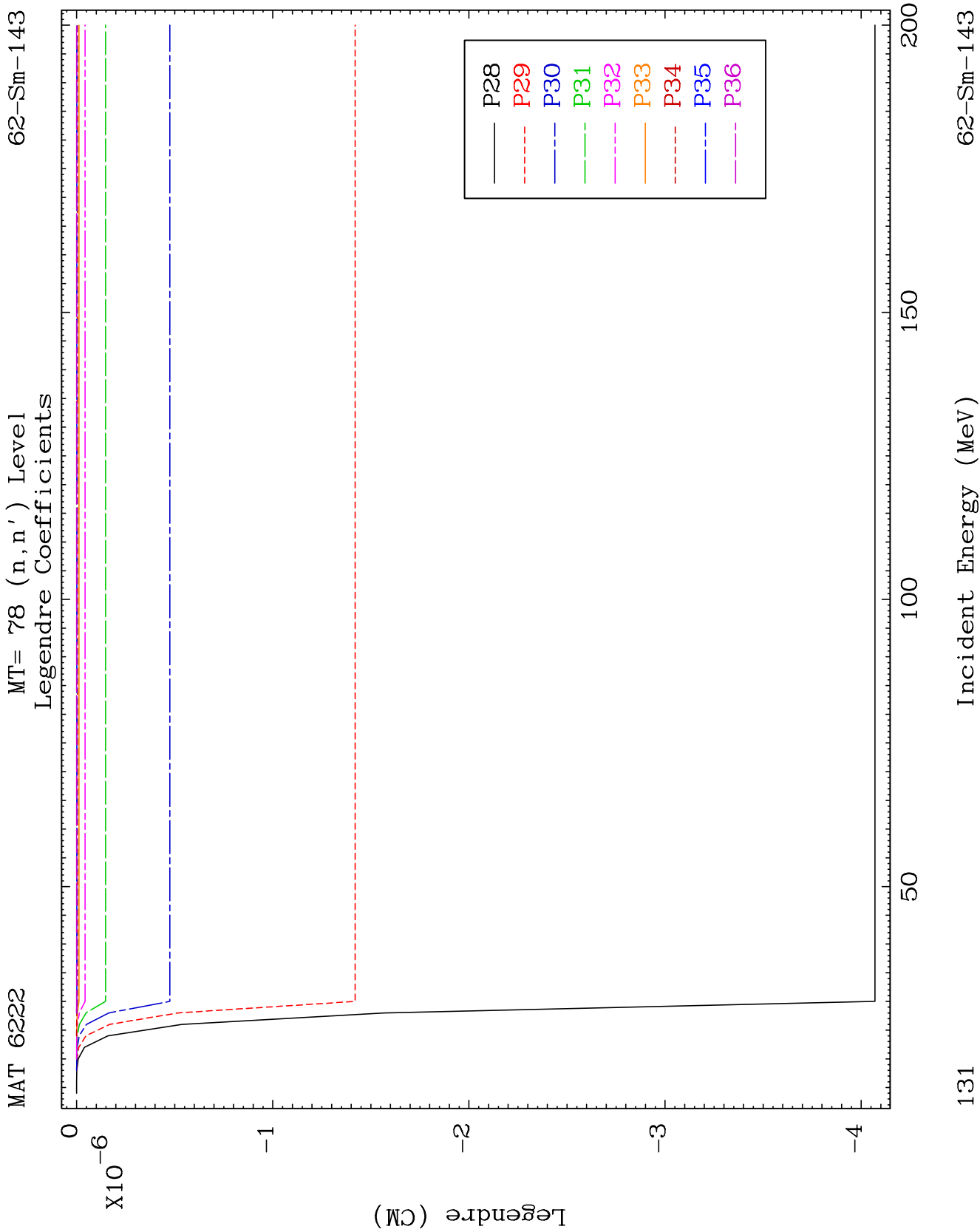


MAT 6222

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

62-Sm-143

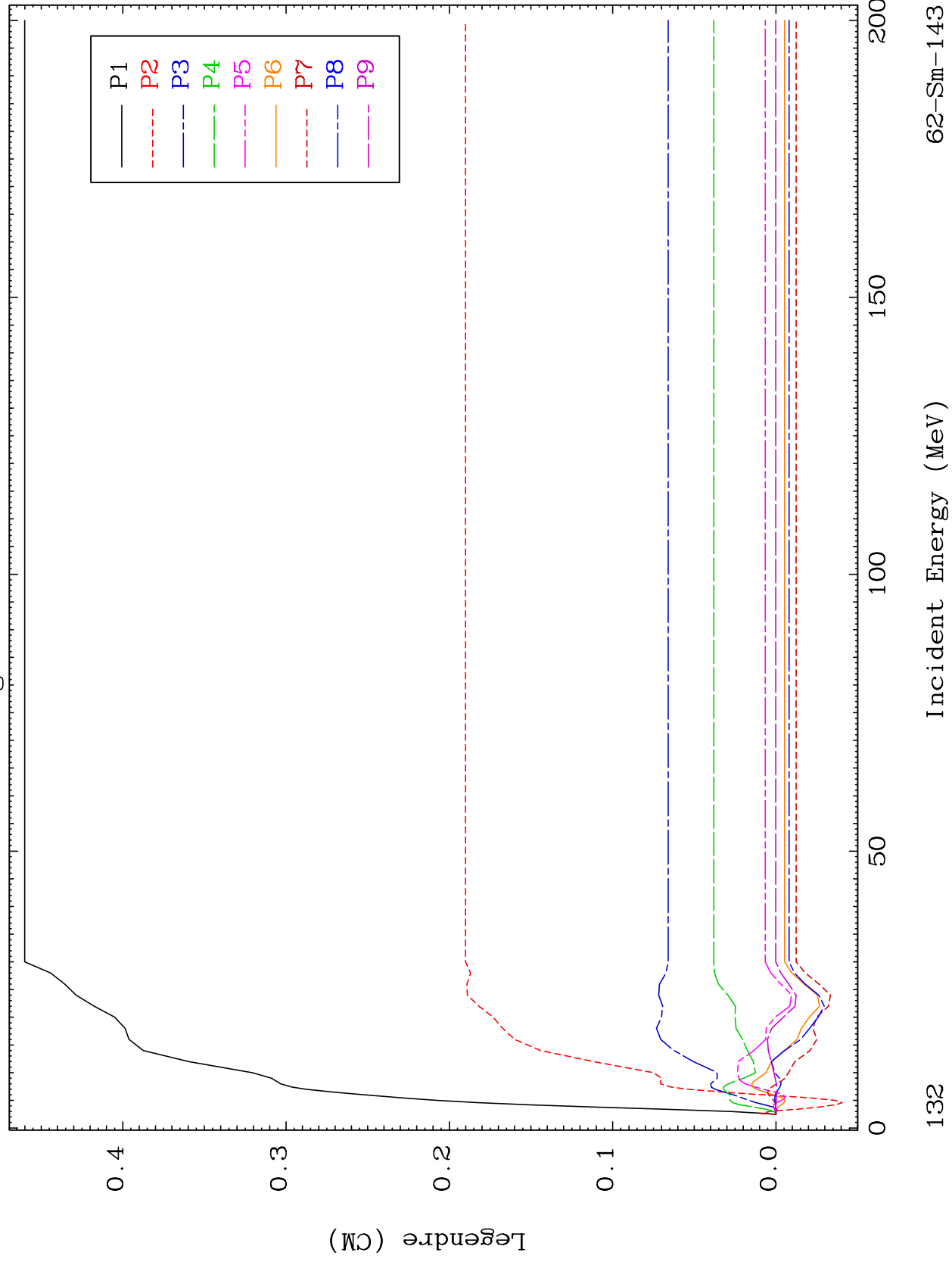




MAT 6222

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

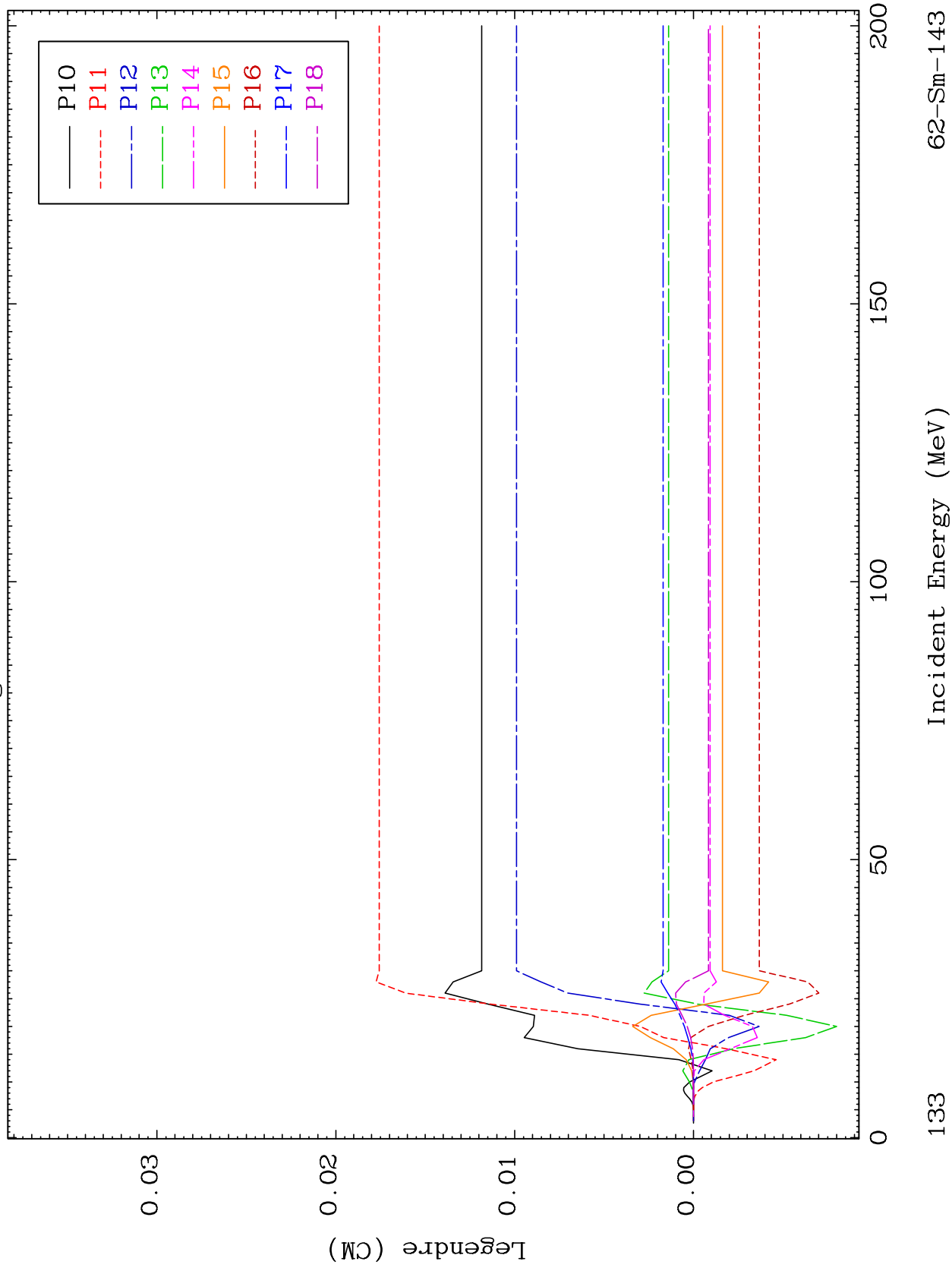
62-Sm-143

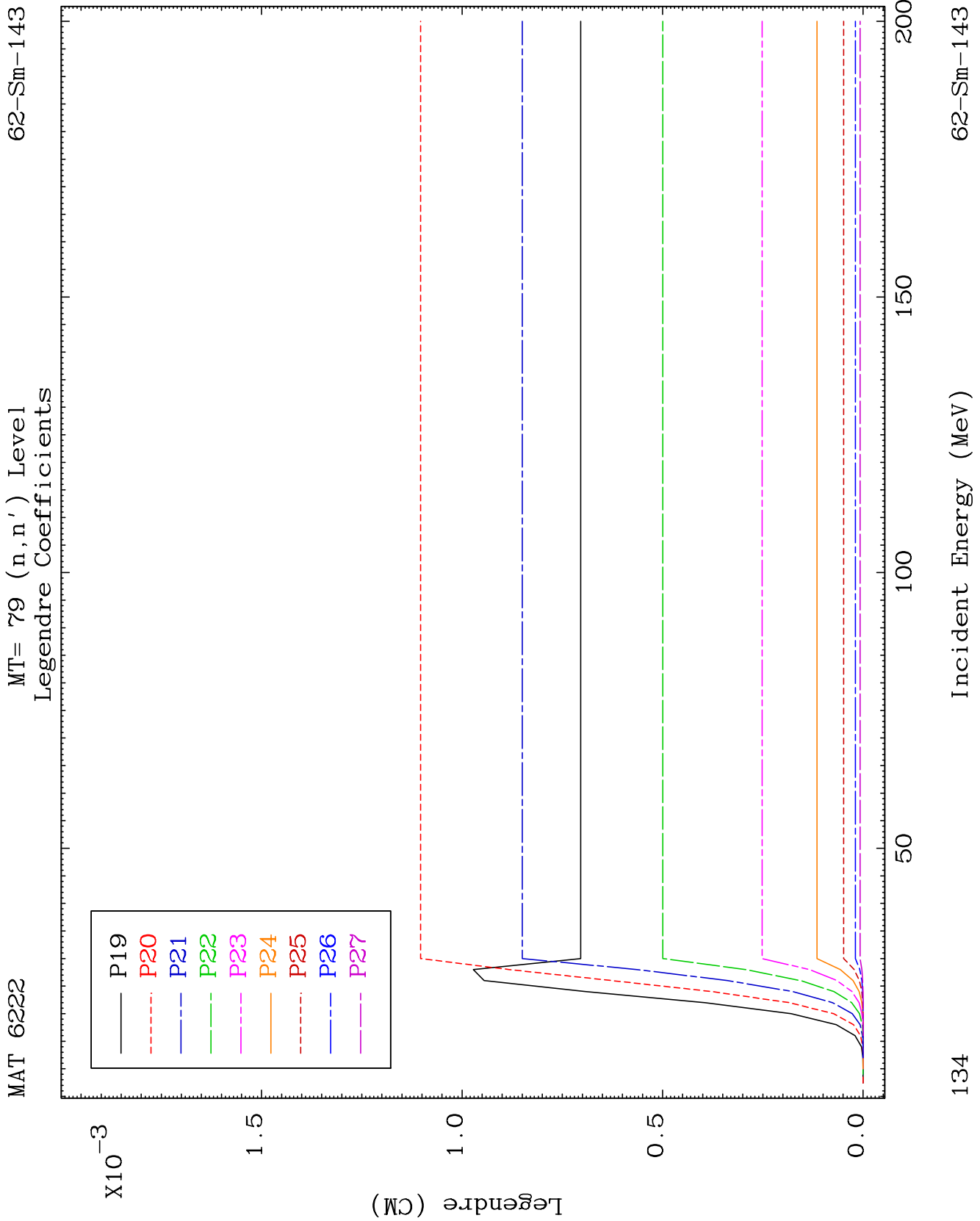


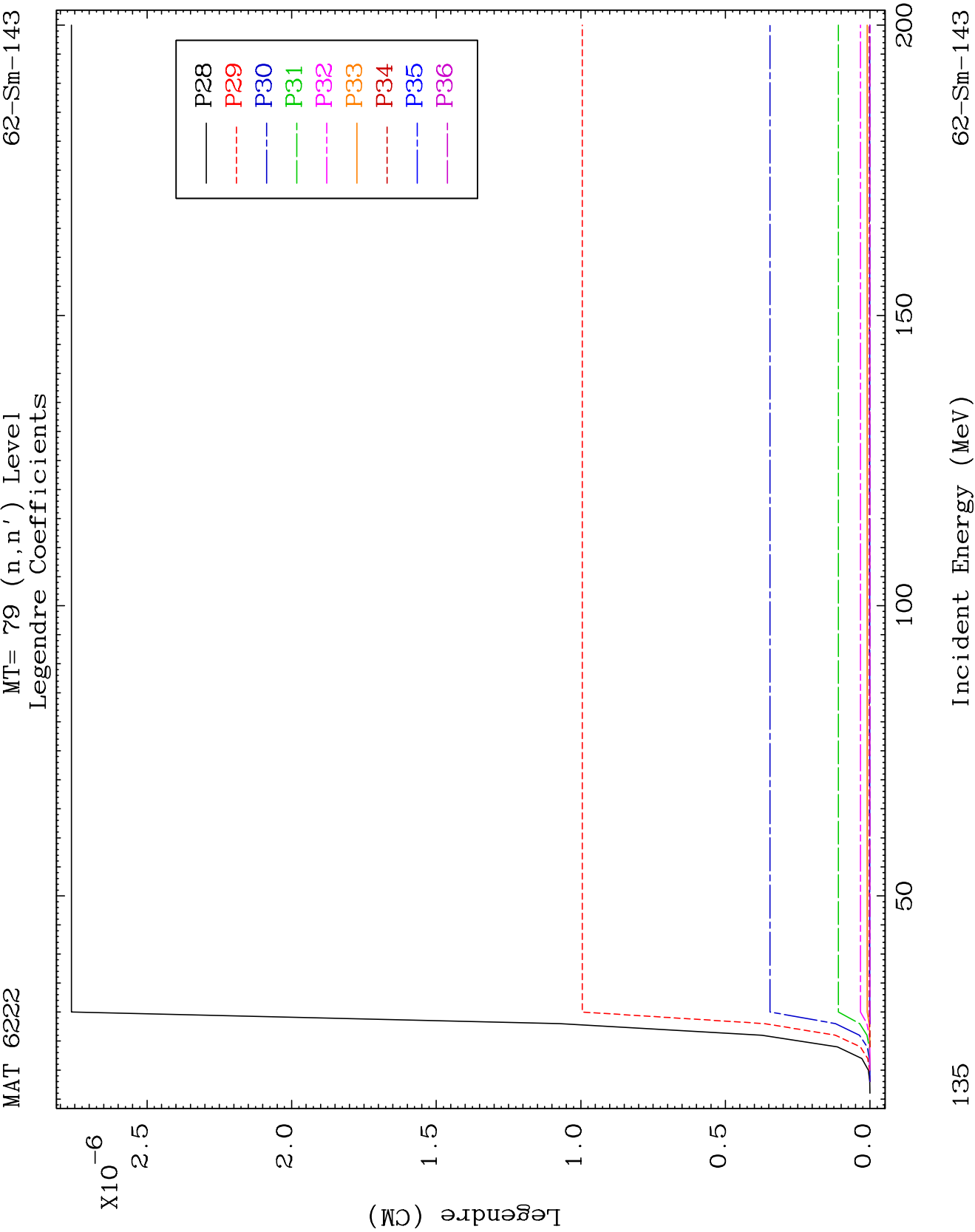
MAT 6222

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

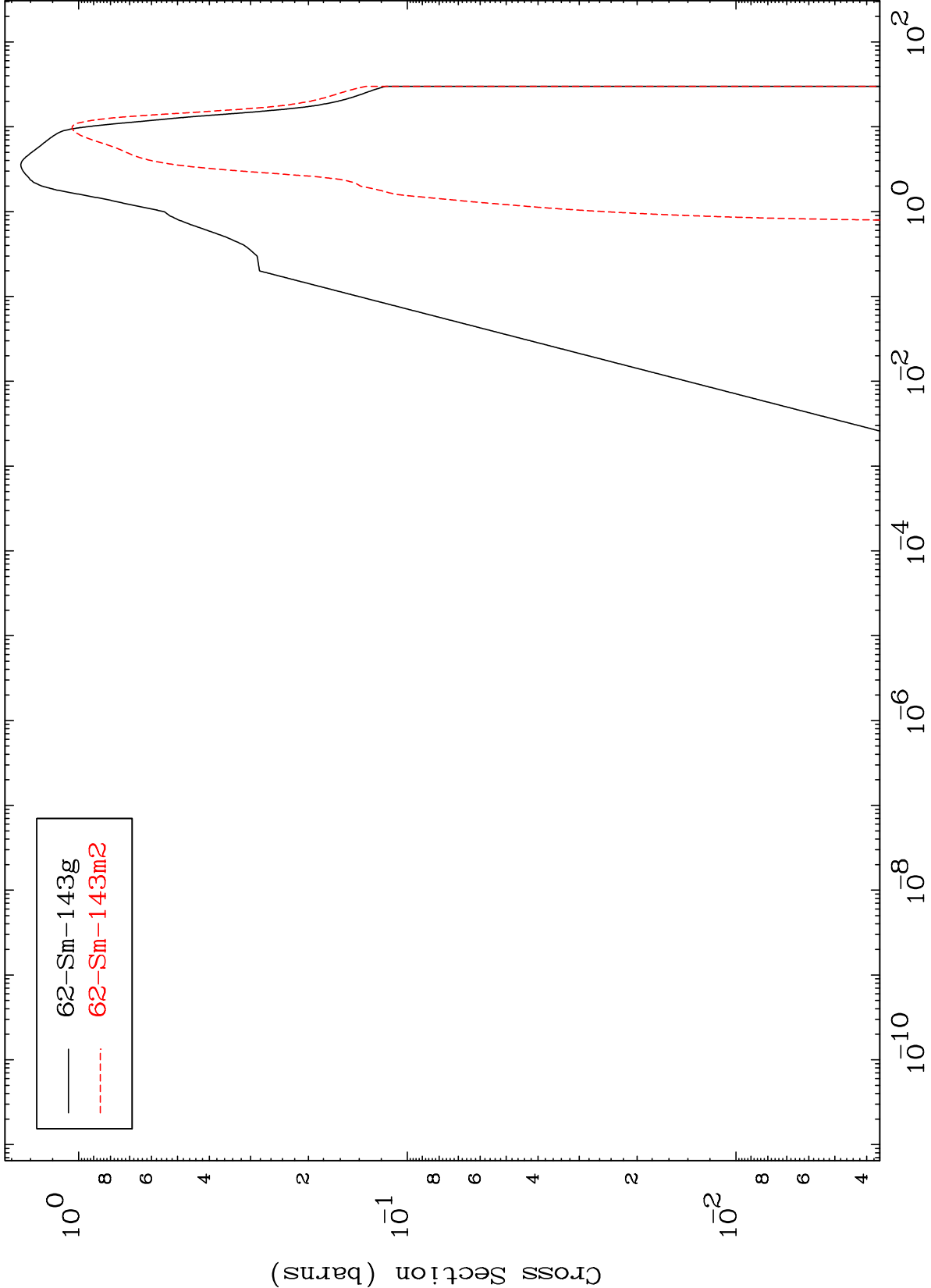
62-Sm-143



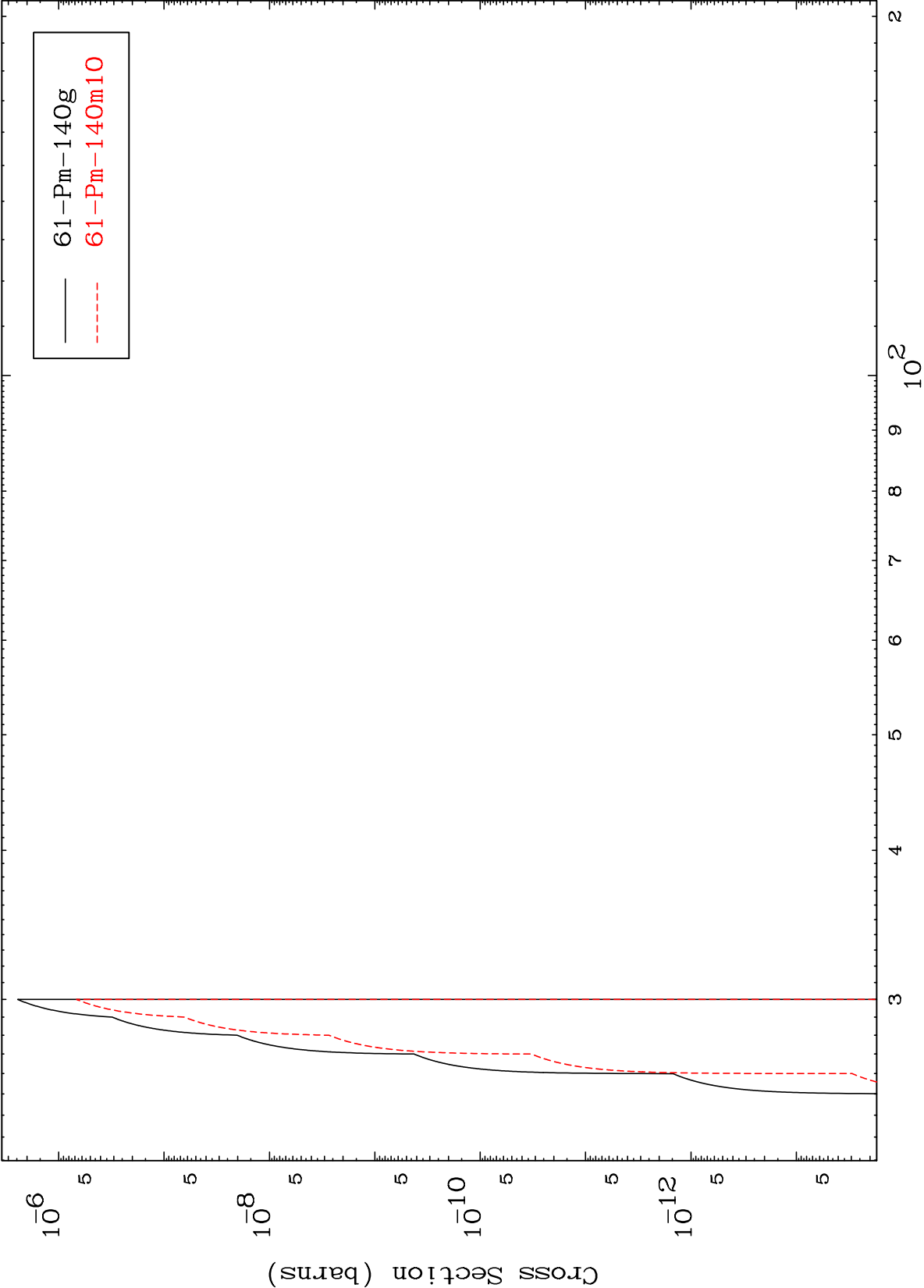


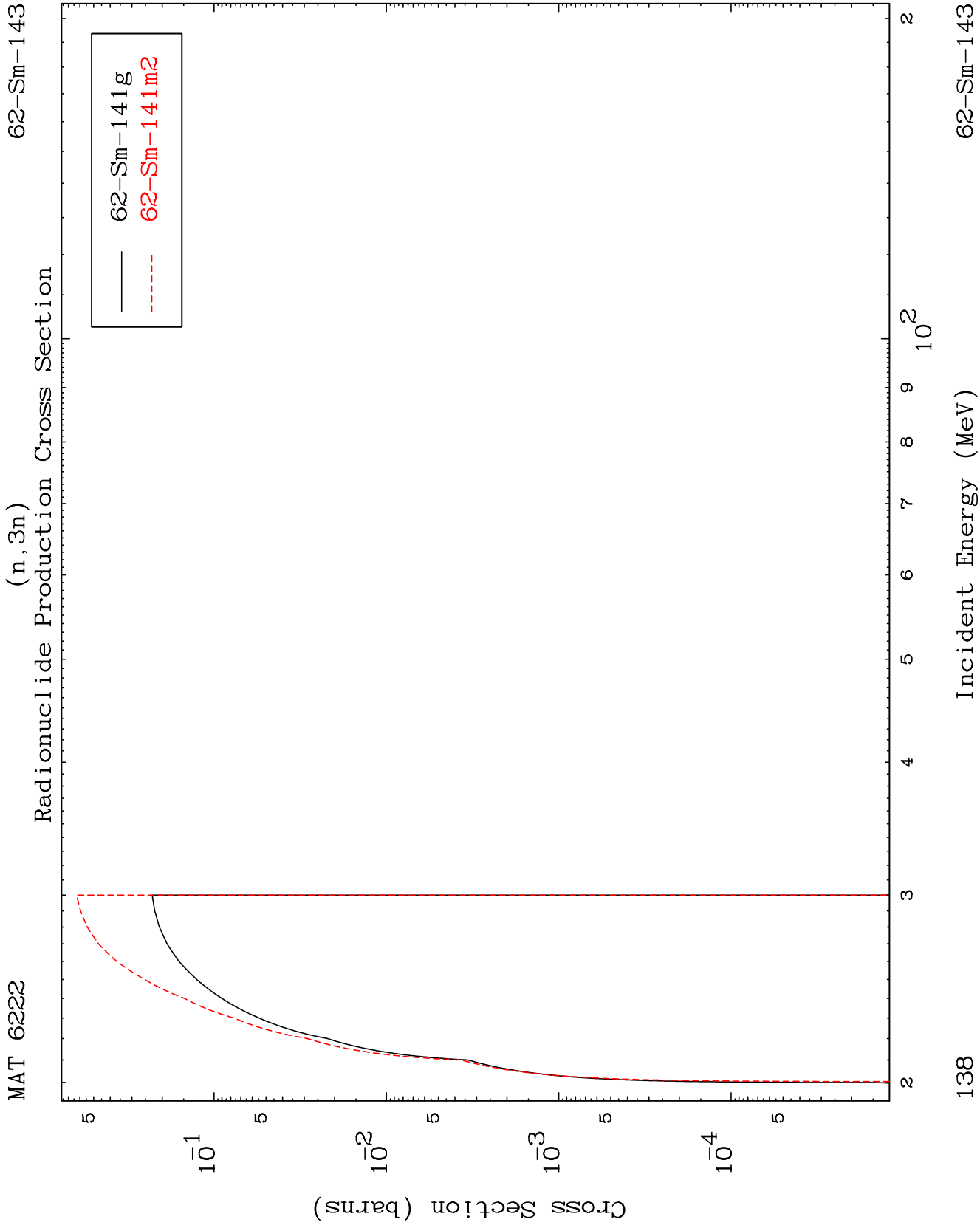


Inelastic
Radionuclide Production Cross Section



(n,2n) d
Radionuclide Production Cross Section



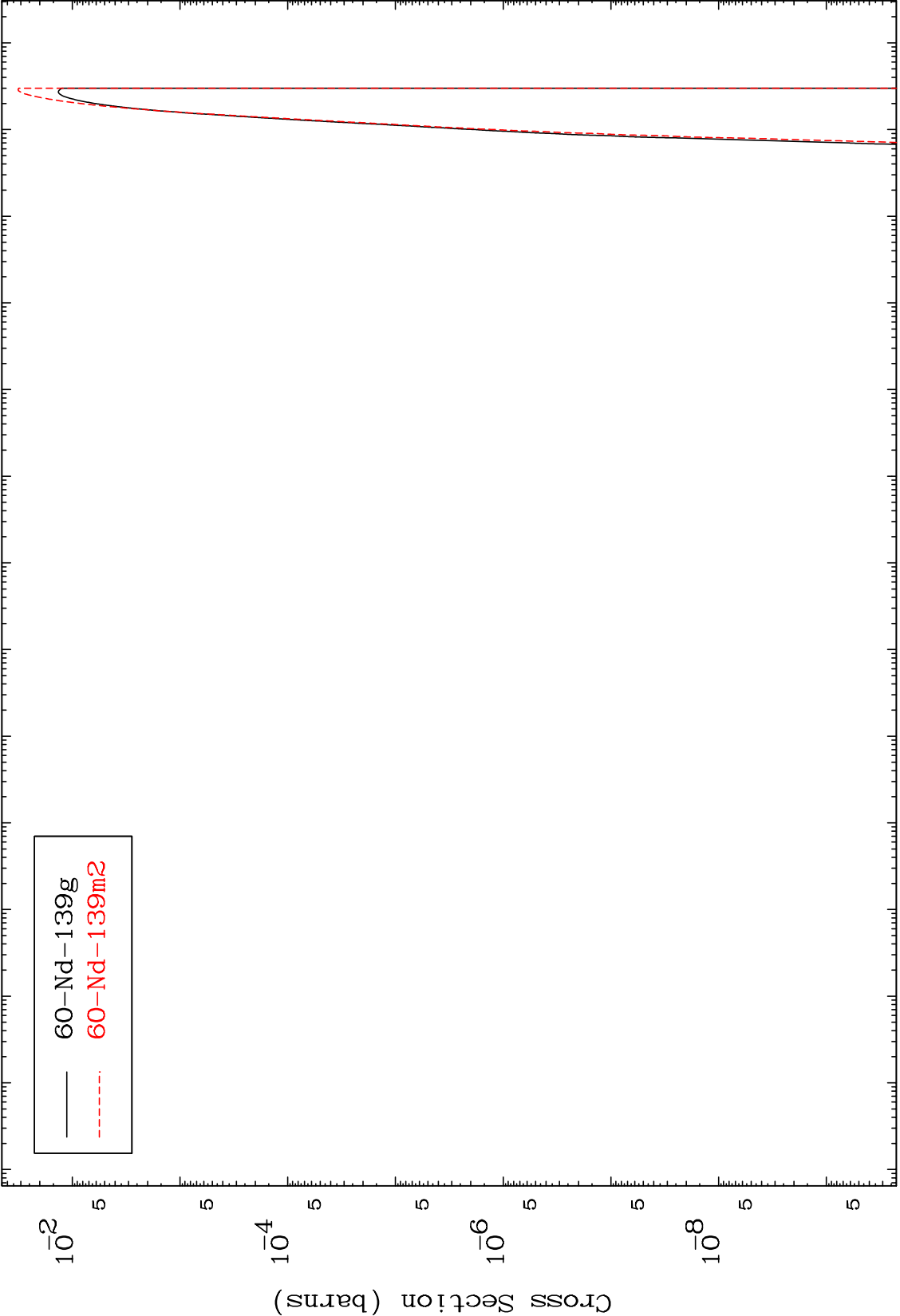


MAT 6222

$(n,n') \alpha$

62-Sm-143

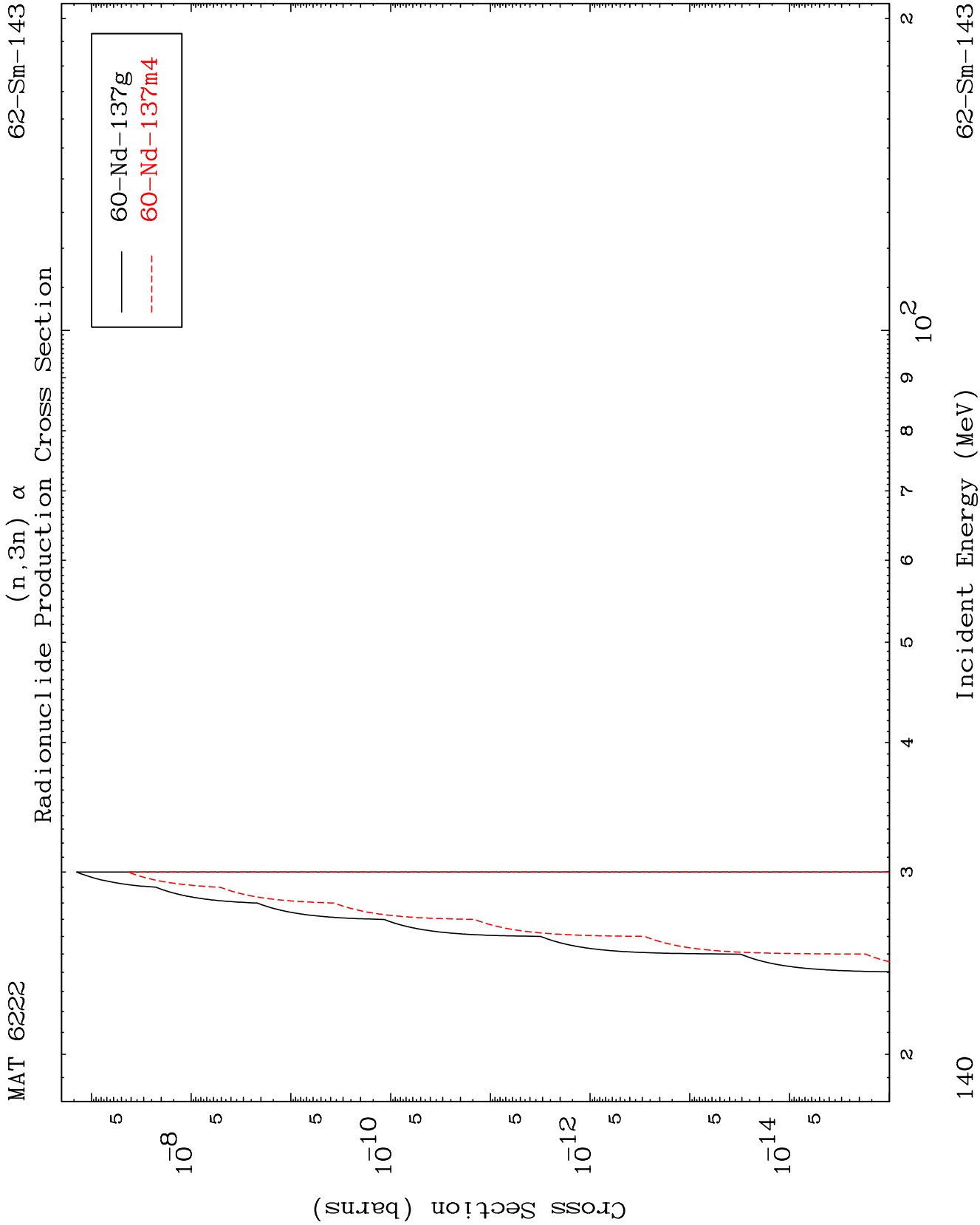
Radionuclide Production Cross Section

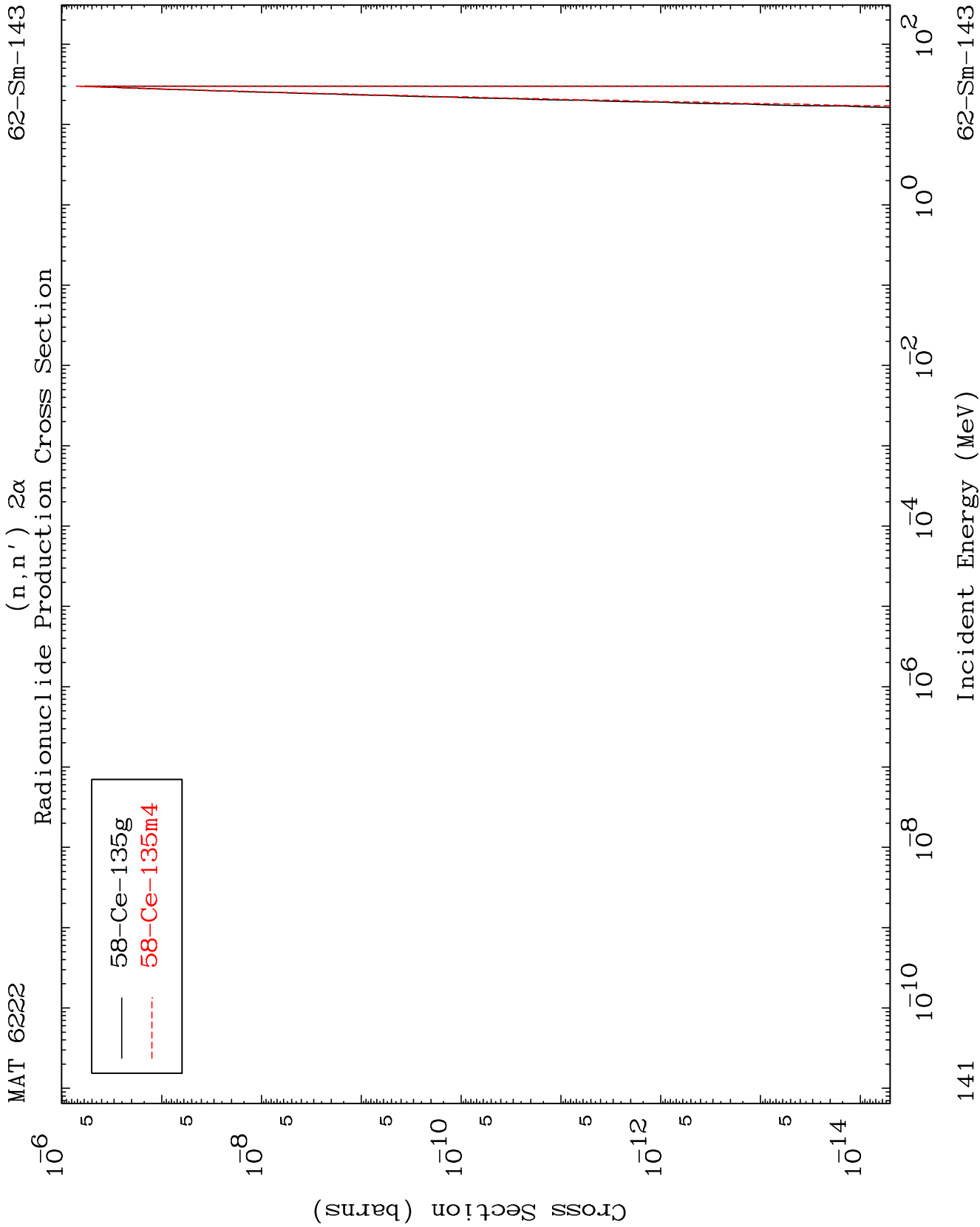


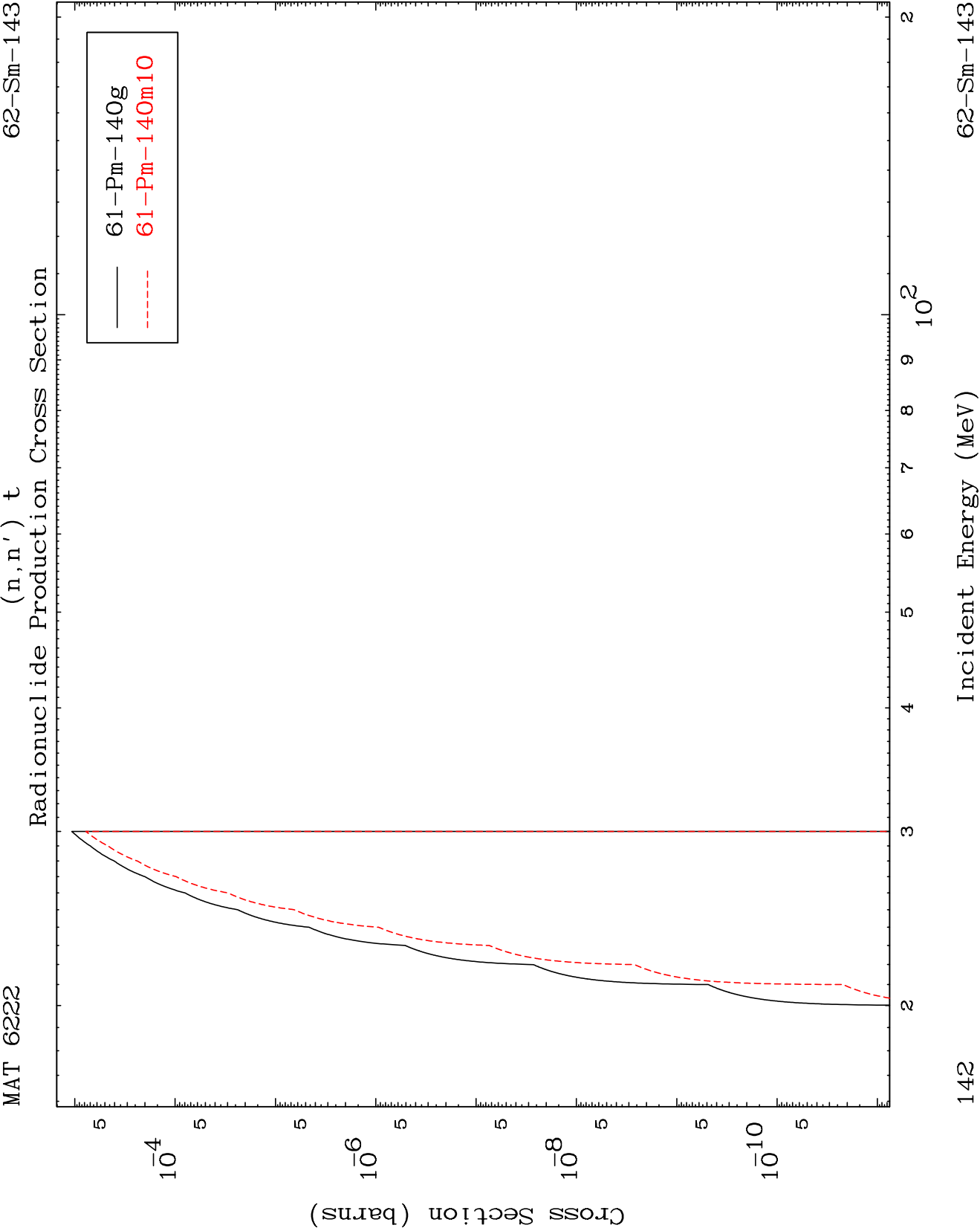
139

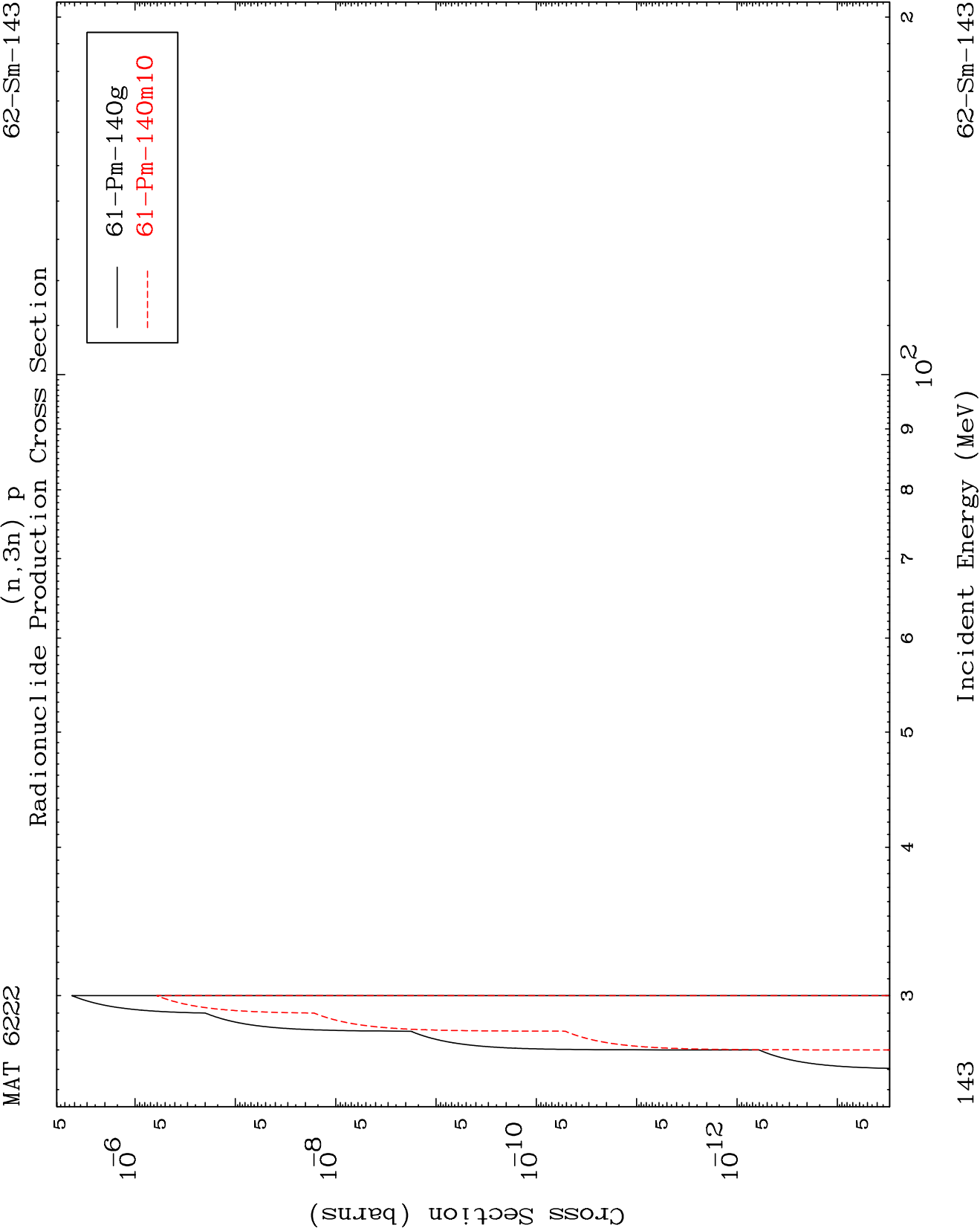
Incident Energy (MeV)

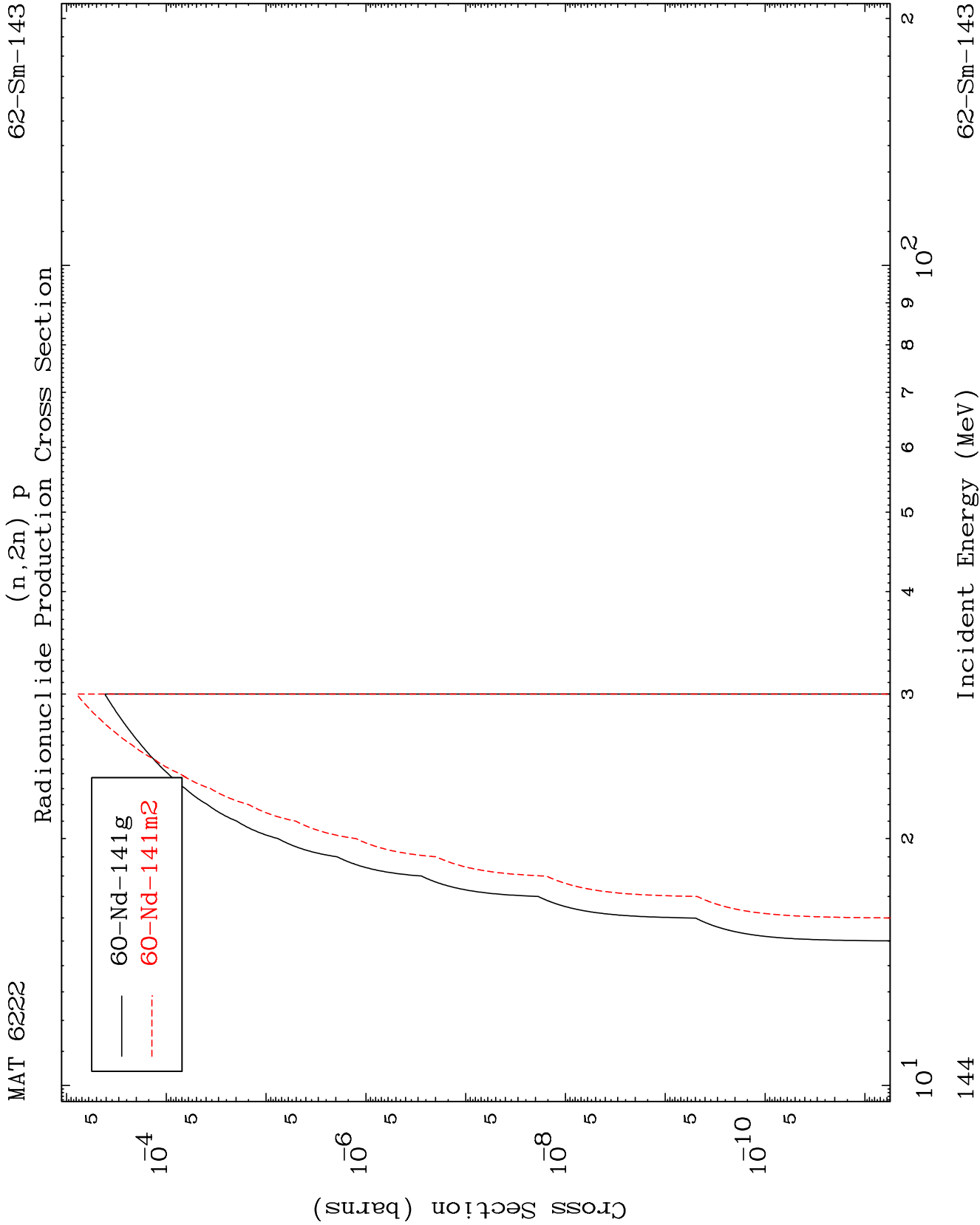
62-Sm-143







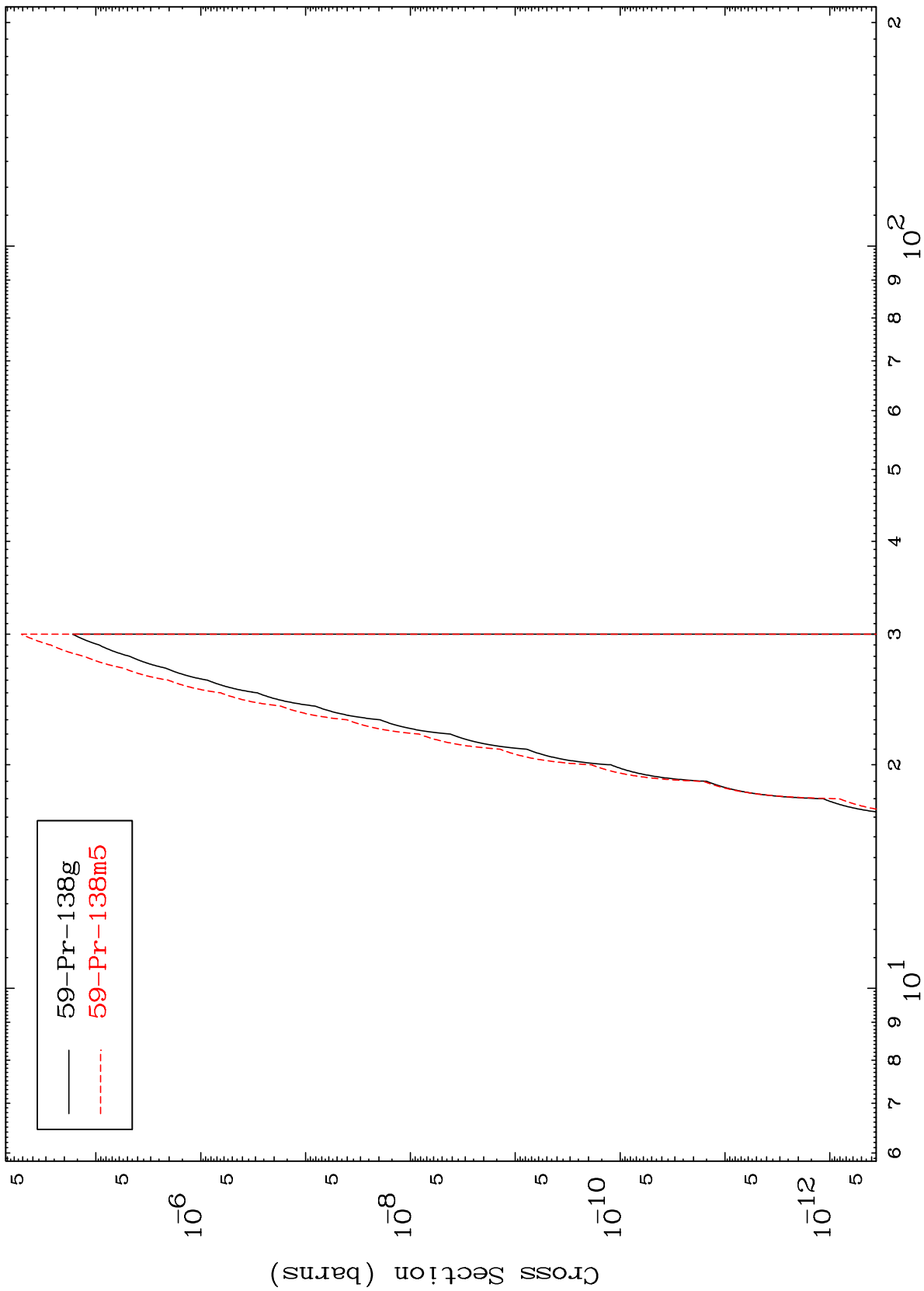




MAT 6222

62-Sm-143

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

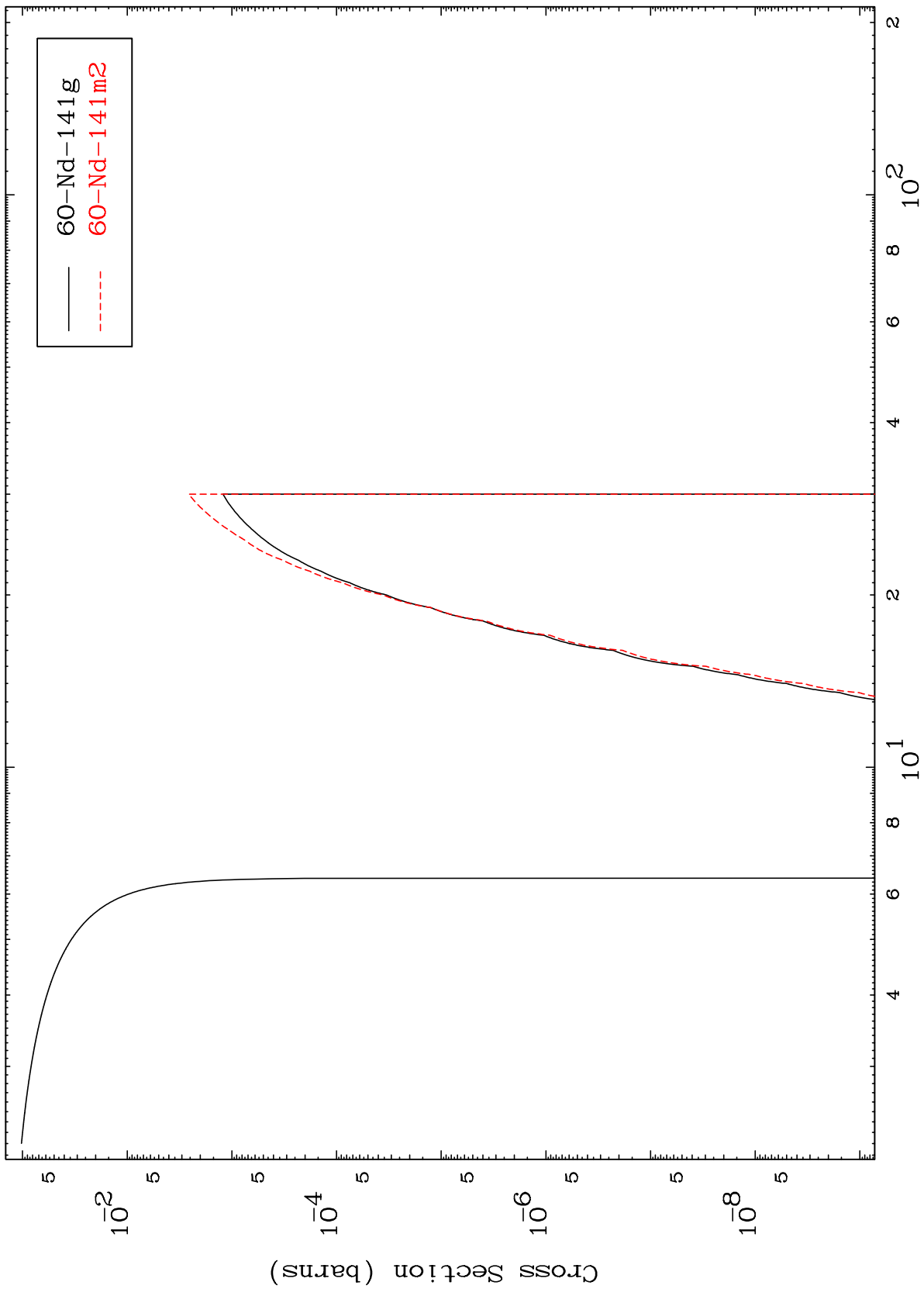


62-Sm-143

Incident Energy (MeV)

145

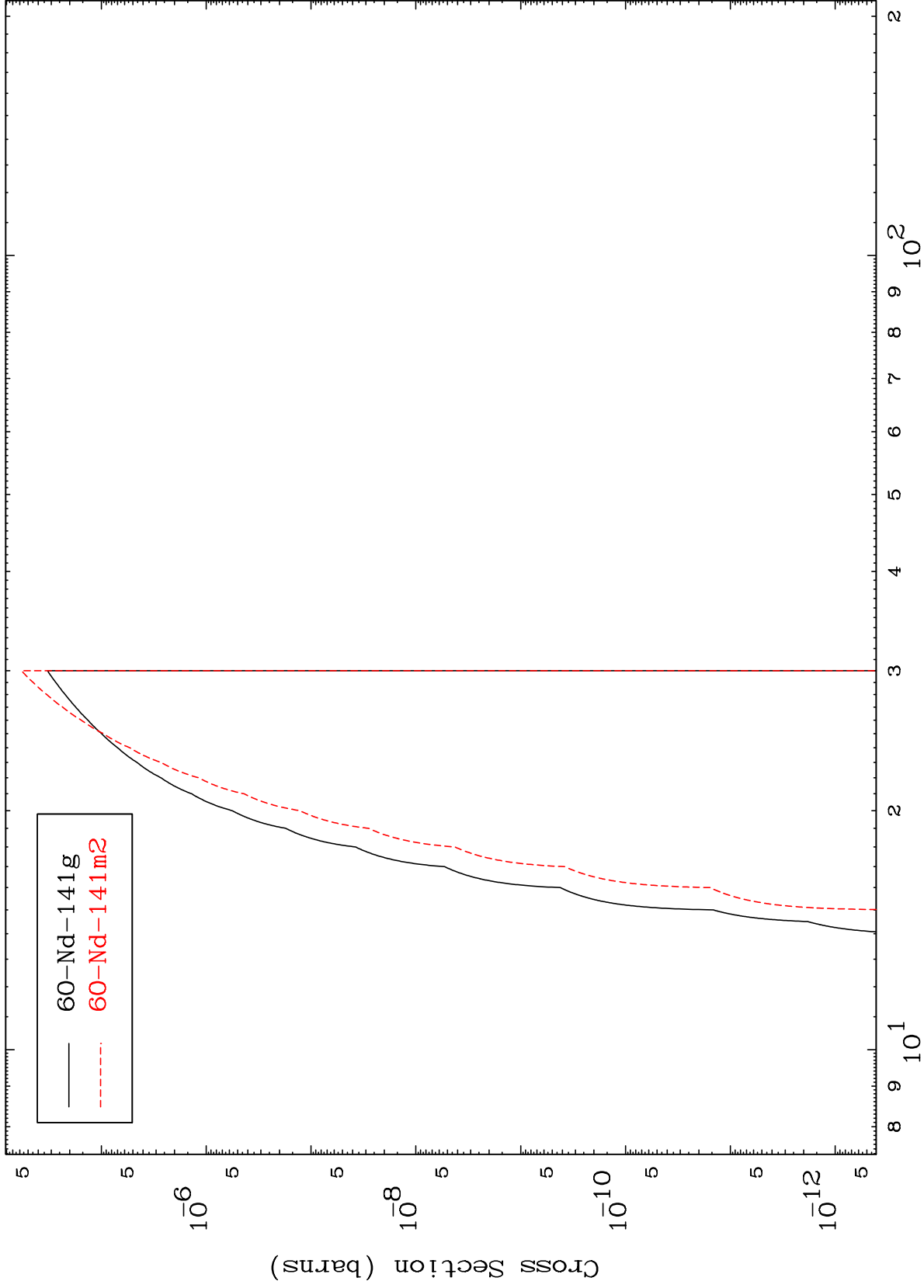
(n,He-3)
Radionuclide Production Cross Section



MAT 6222

62-Sm-143

(n,p) d
Radionuclide Production Cross Section



62-Sm-143

Incident Energy (MeV)

147

(n,d) α
Radionuclide Production Cross Section

