

Program EVALPLOT
(Version 2021-1)

by

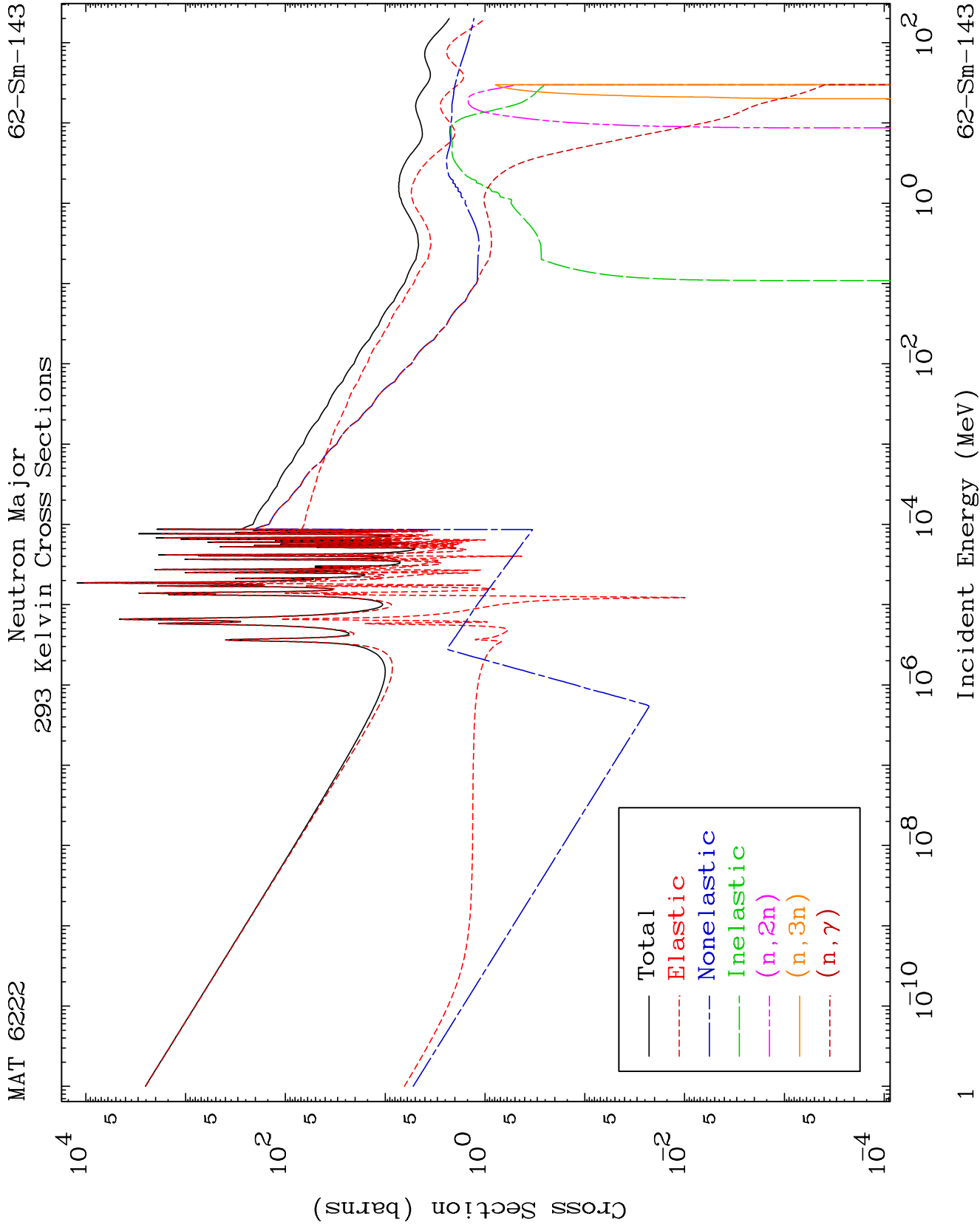
Dermott E. Cullen
(Present Contact Information)

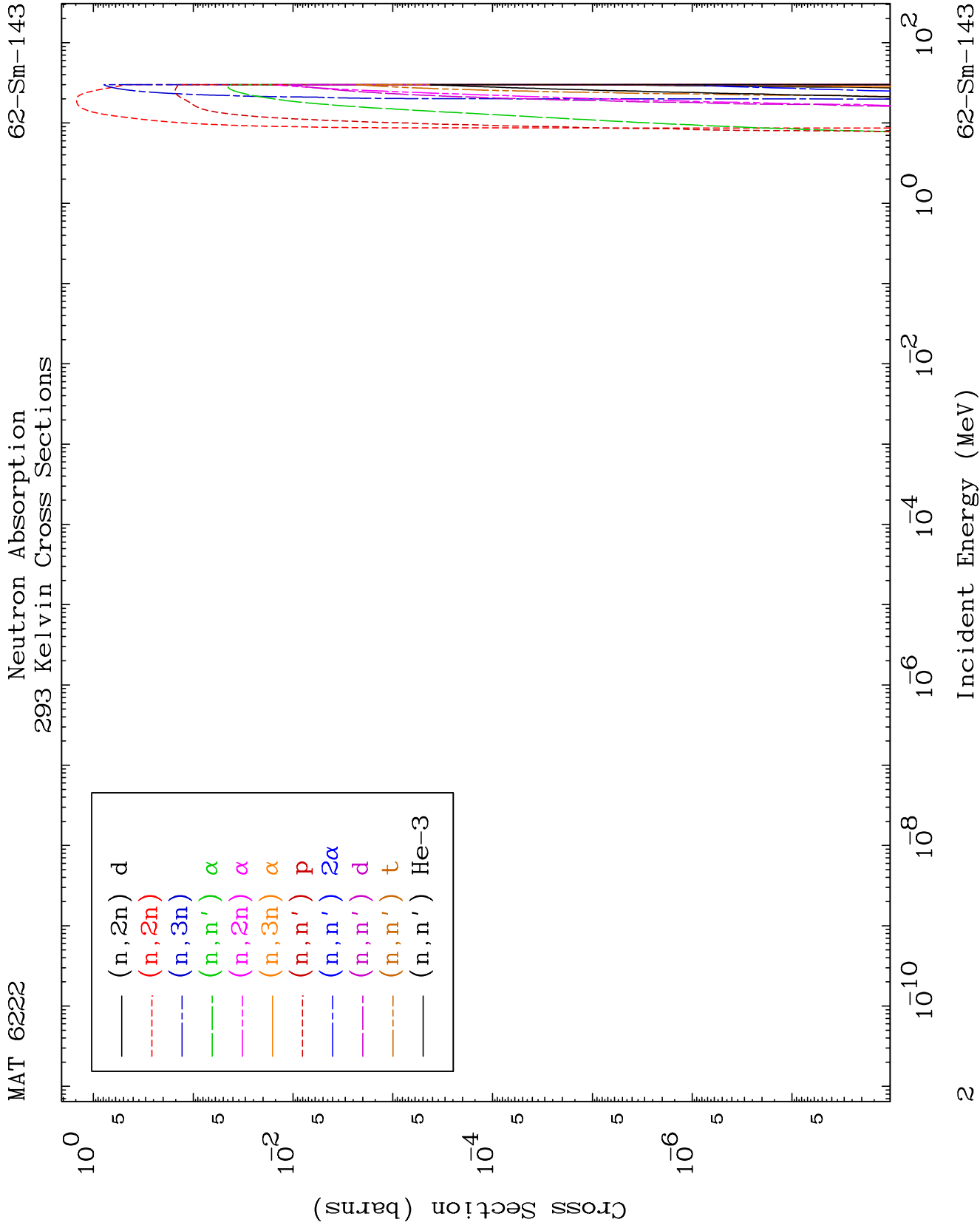
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

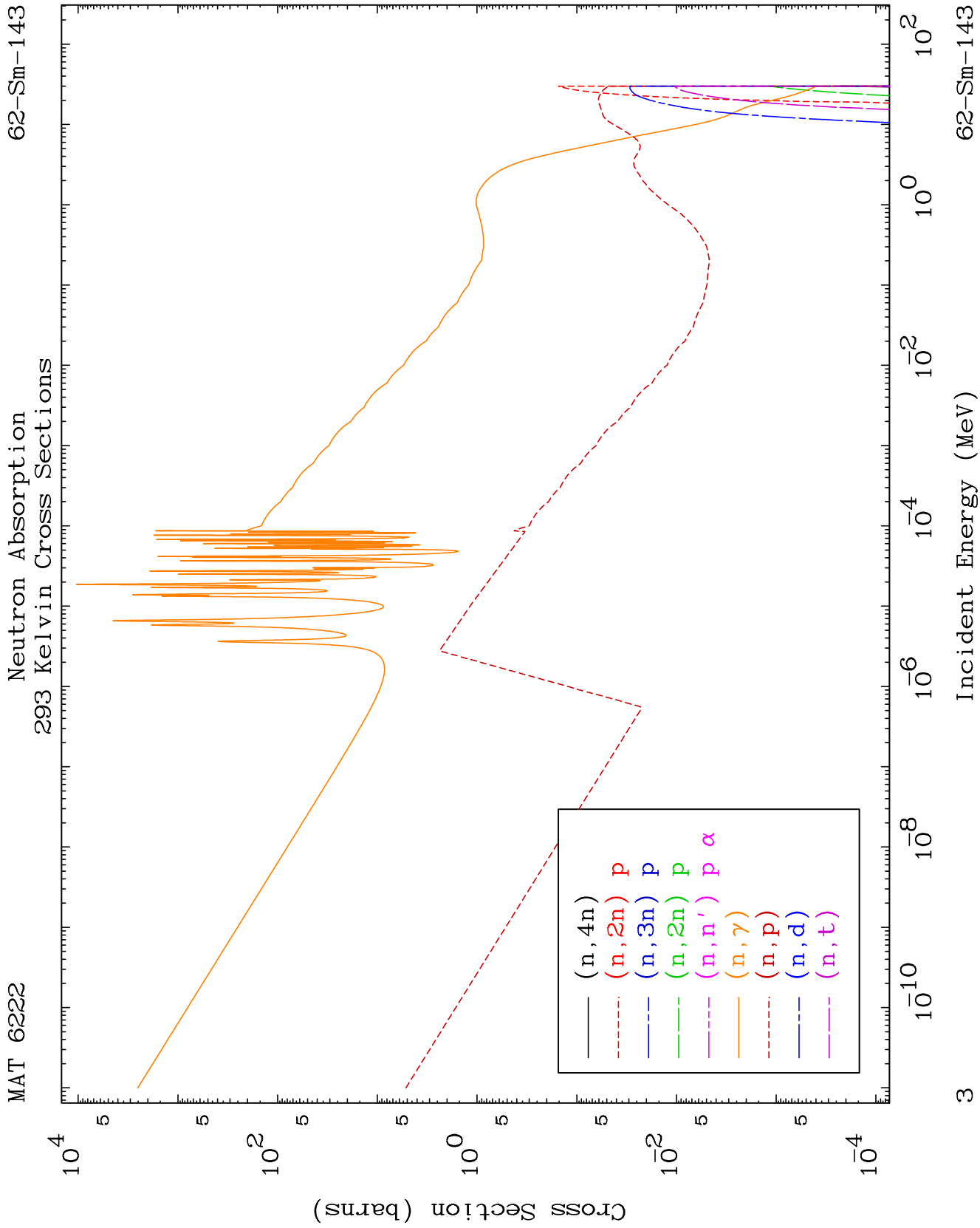
Tele: 925-443-1911

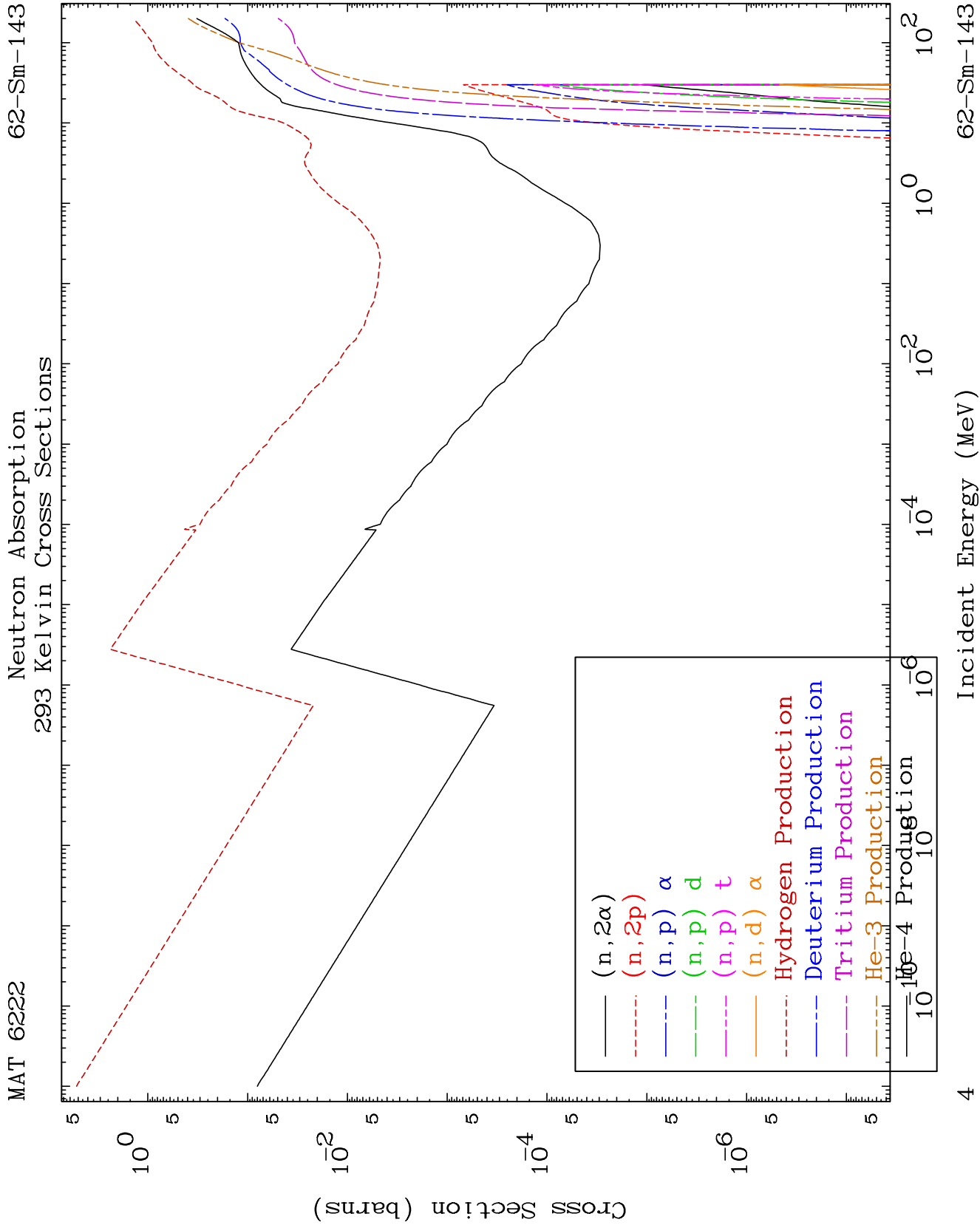
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

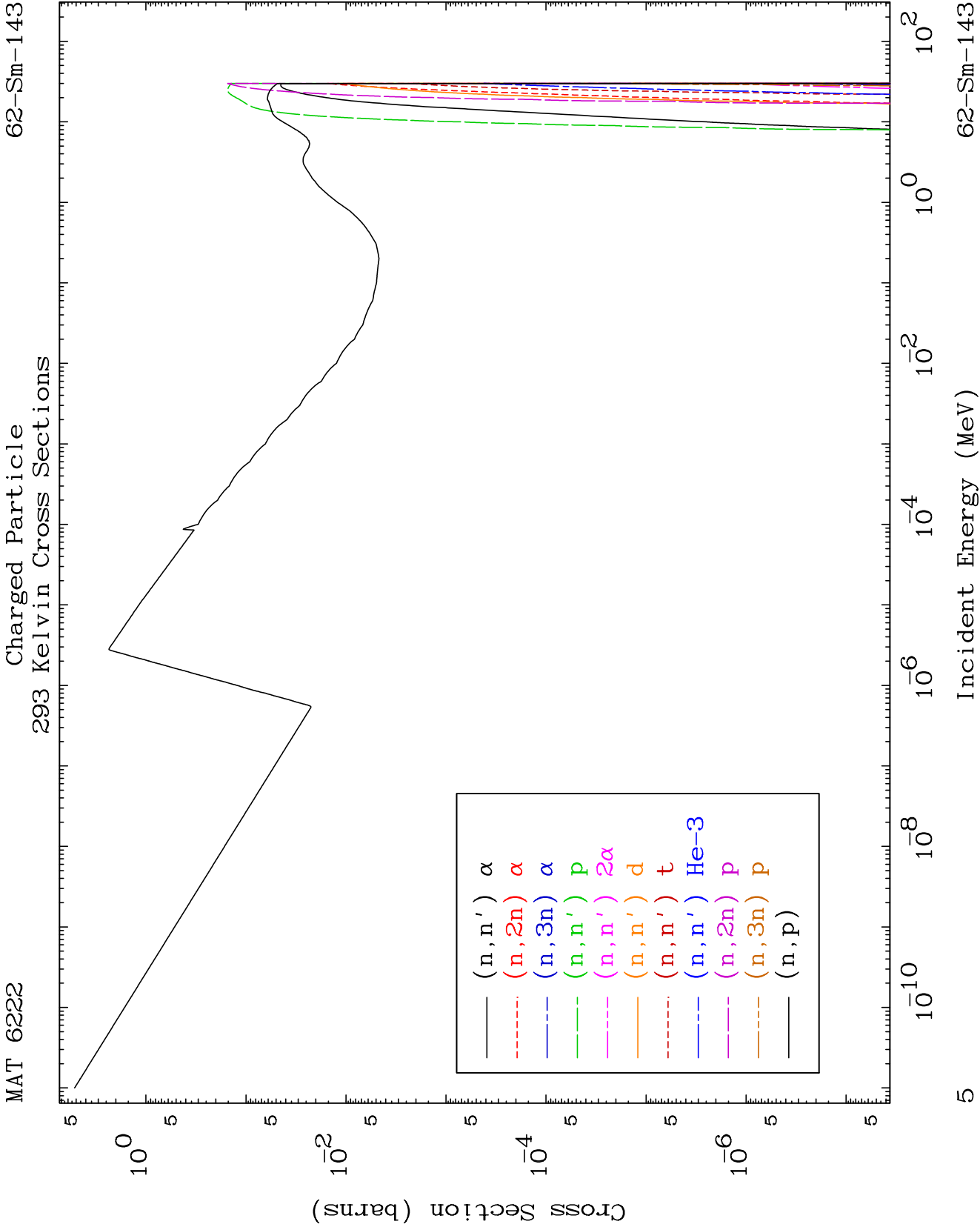
Press Mouse Button to Start

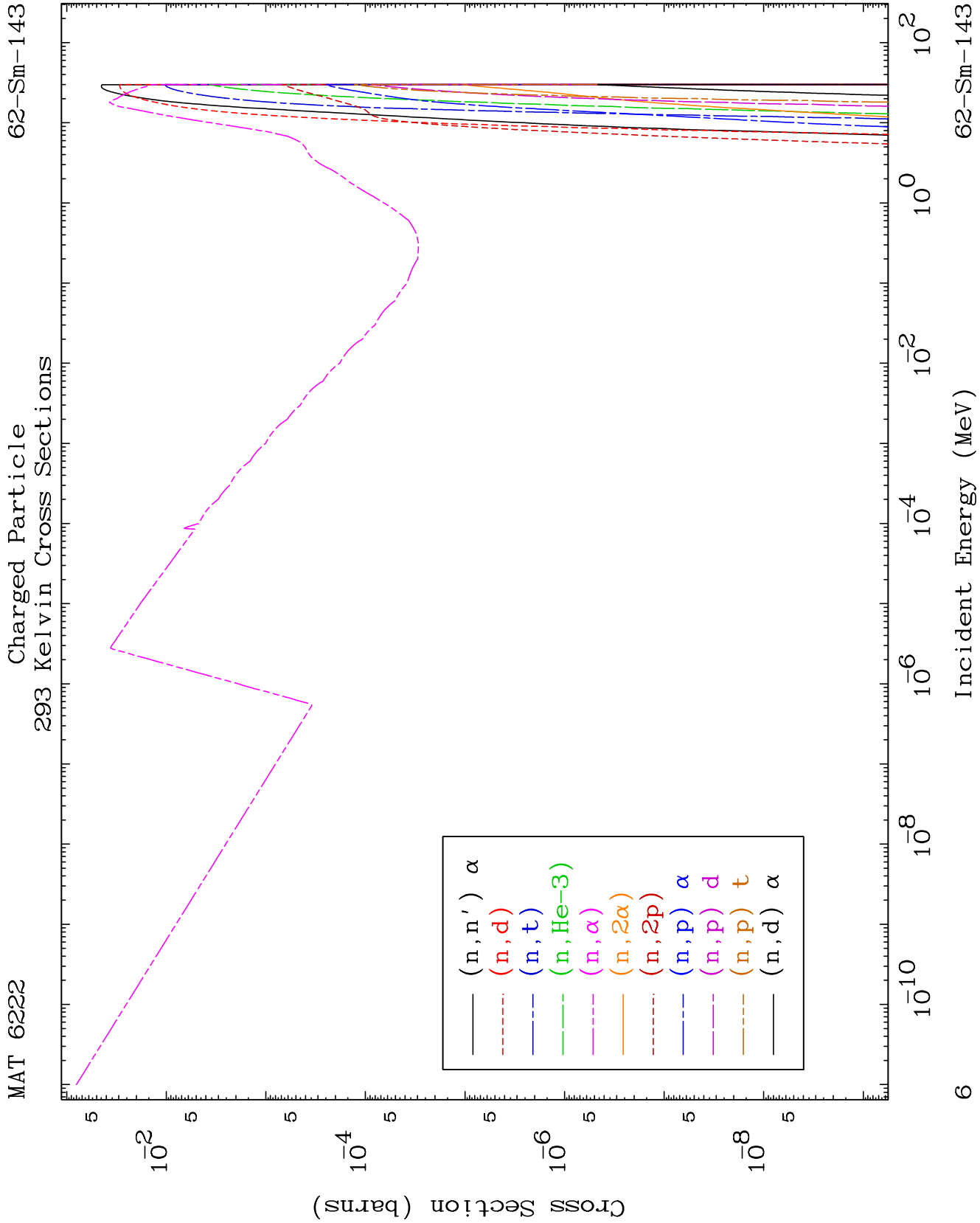


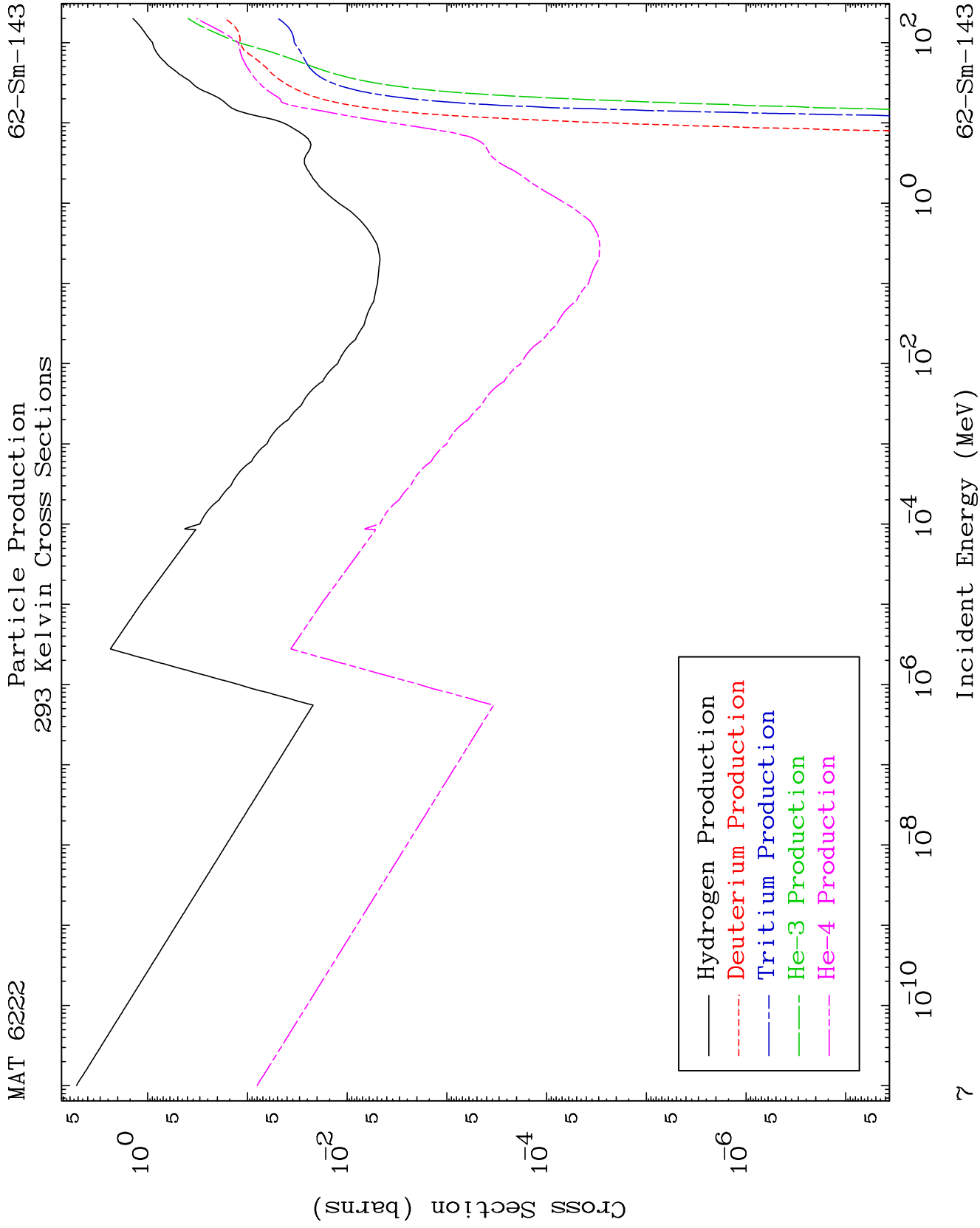


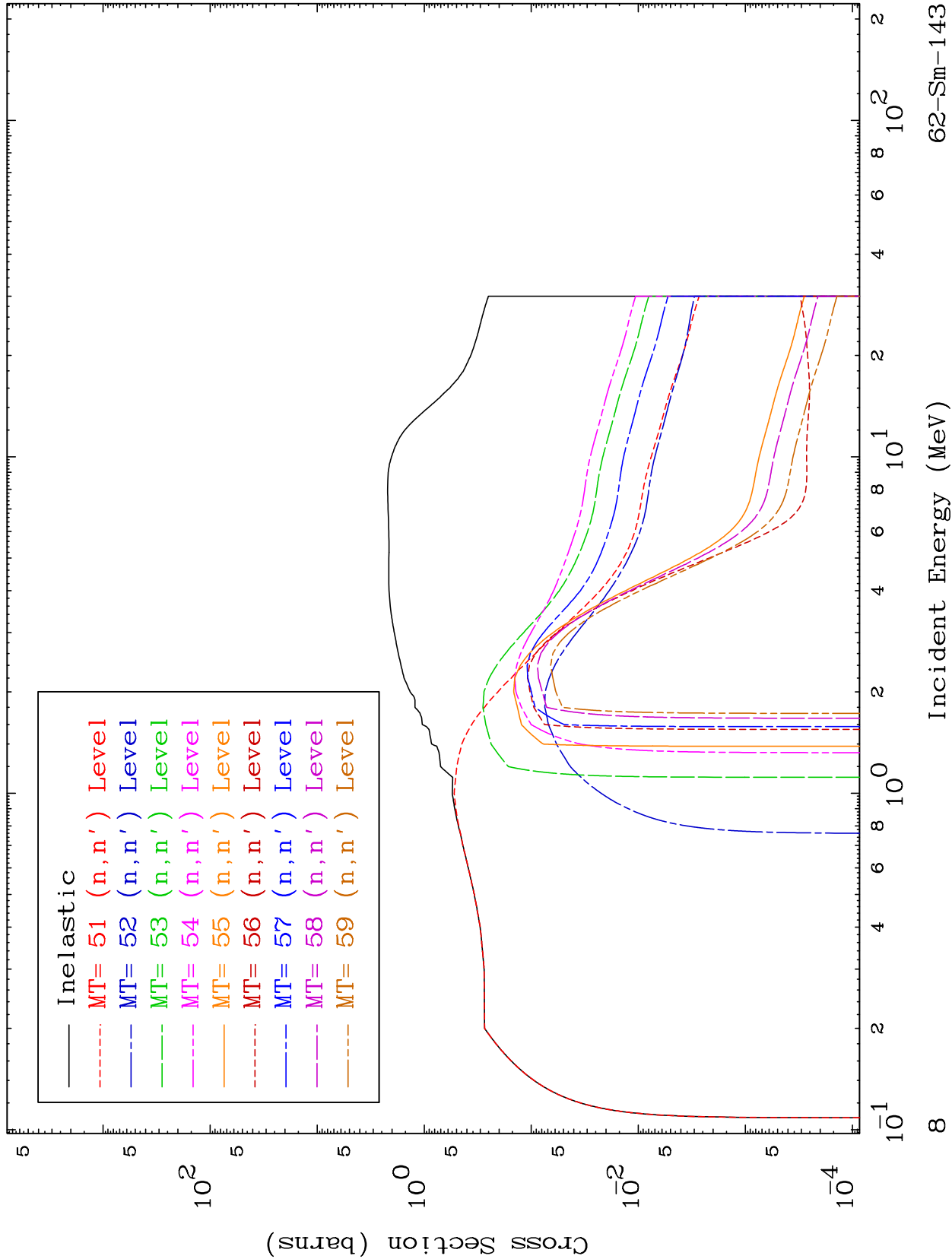








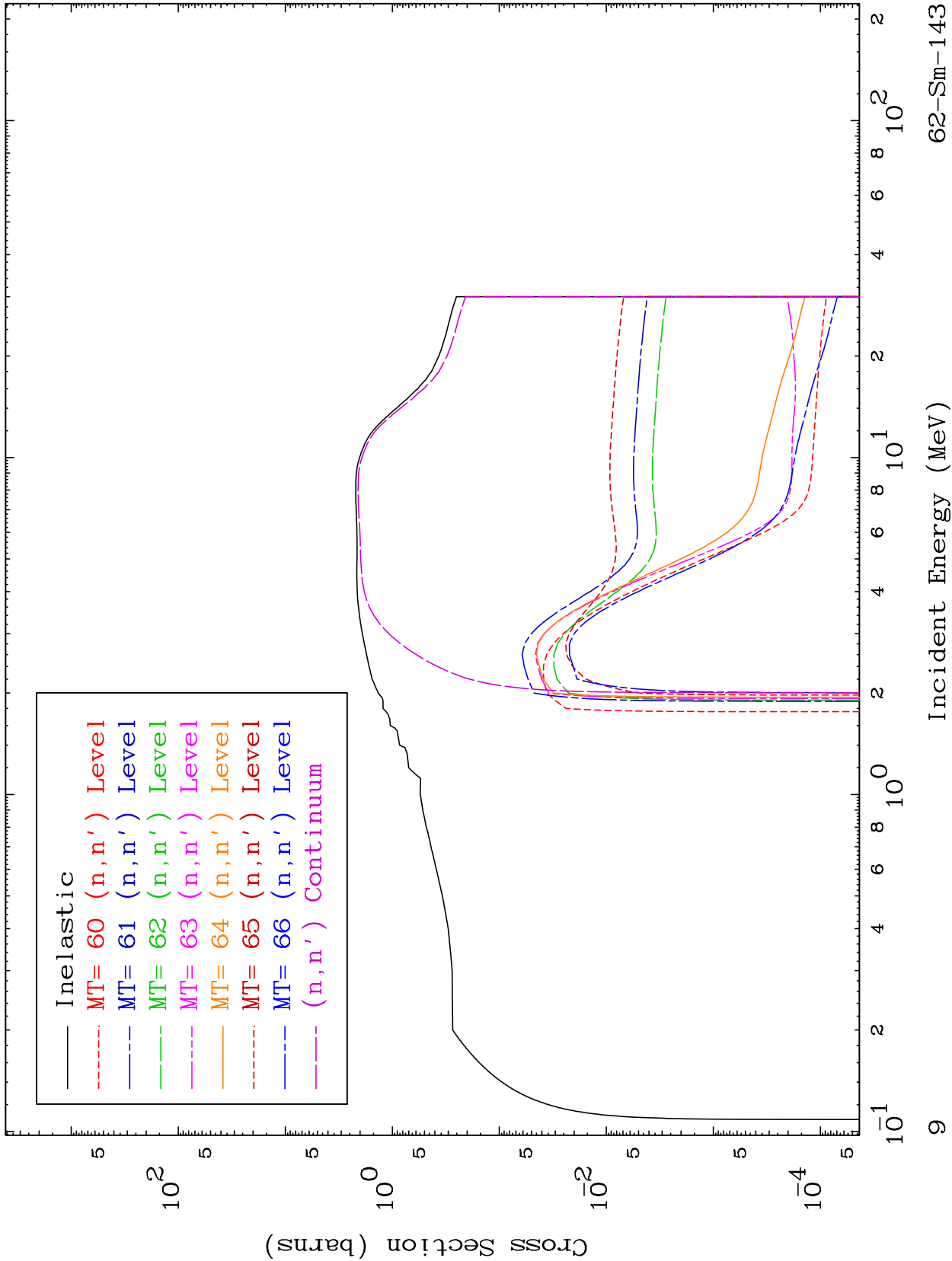


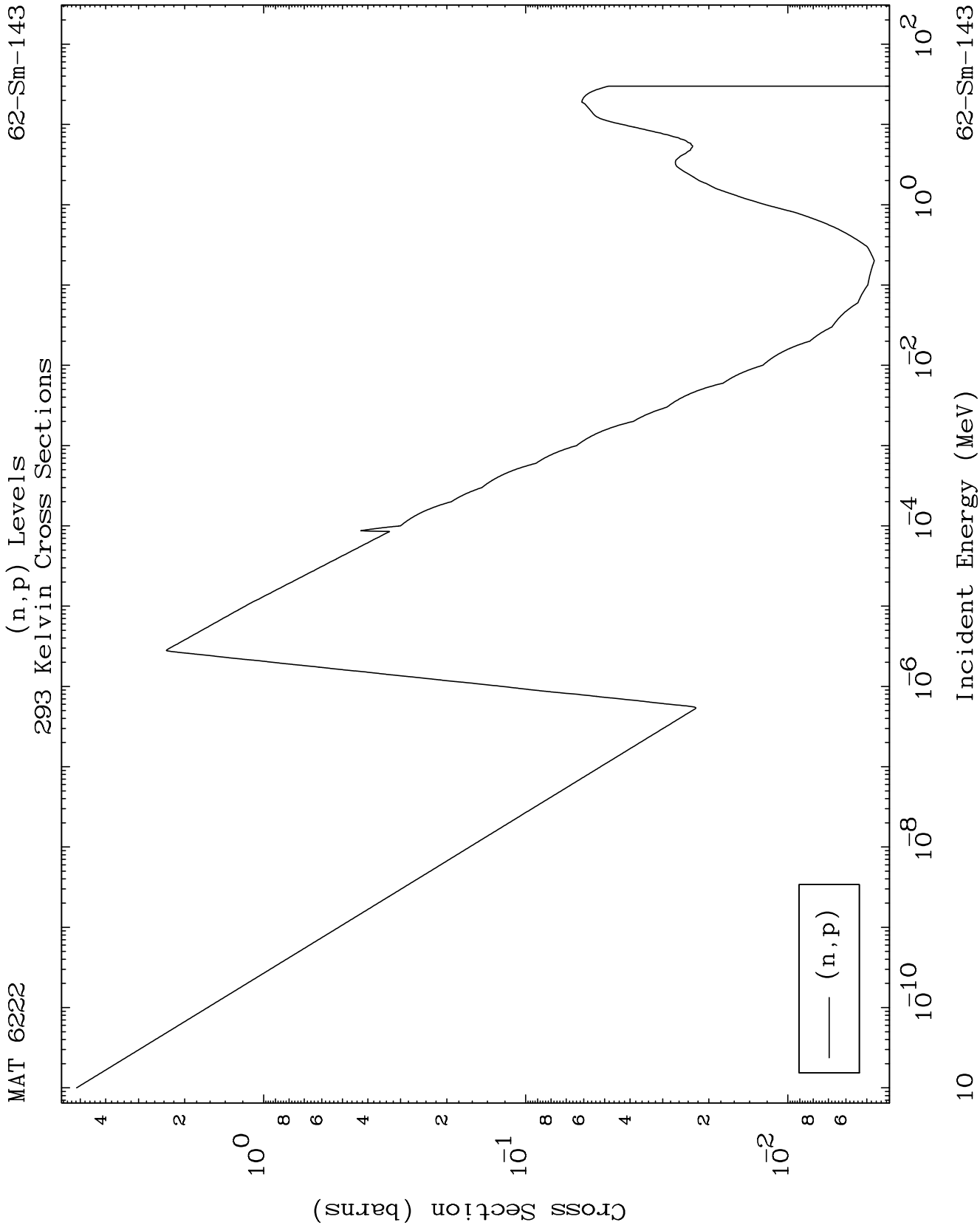


MAT 6222

(n,n') Levels
293 Kelvin Cross Sections

62-Sm-143

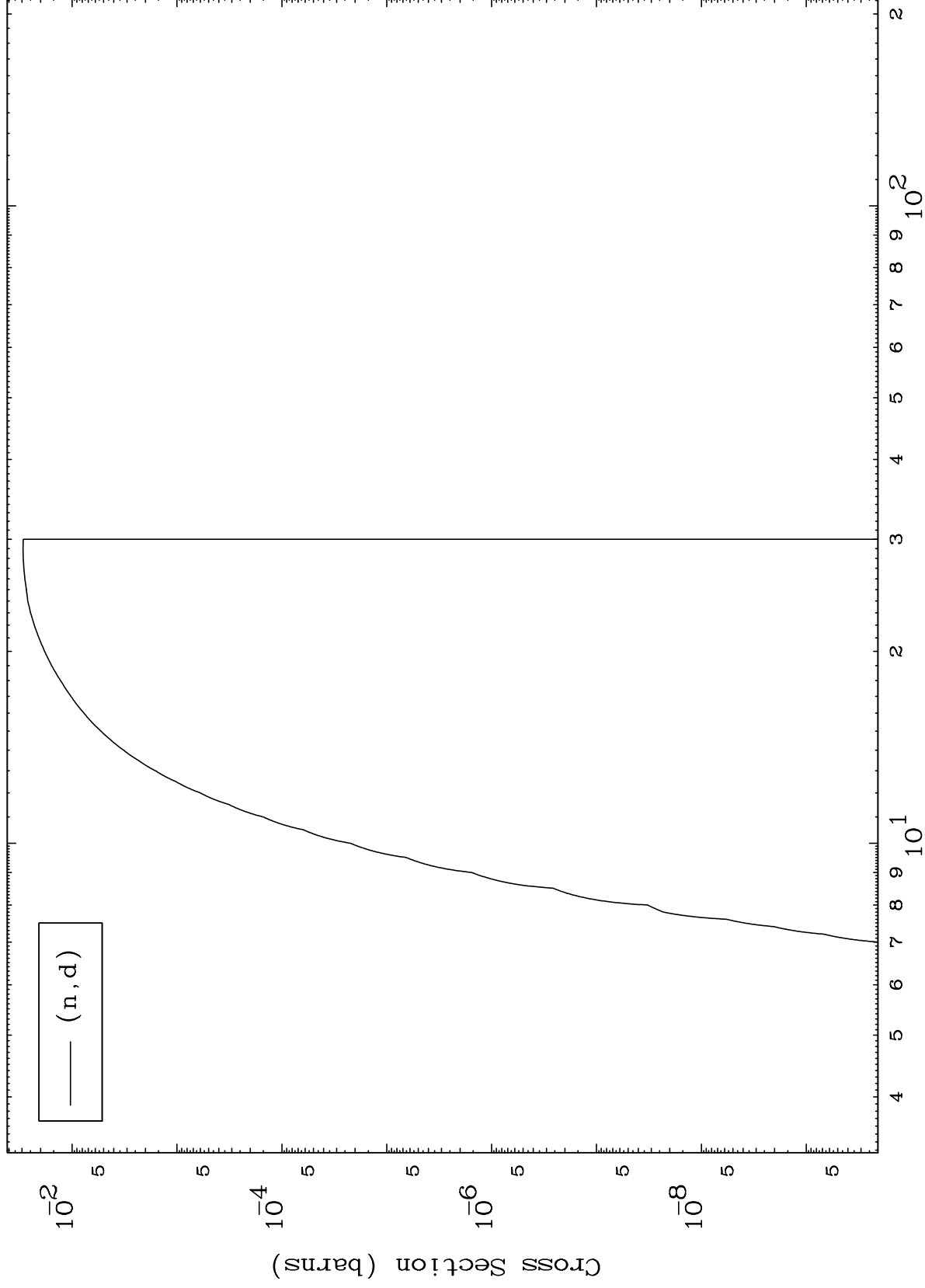




MAT 6222

62-Sm-143

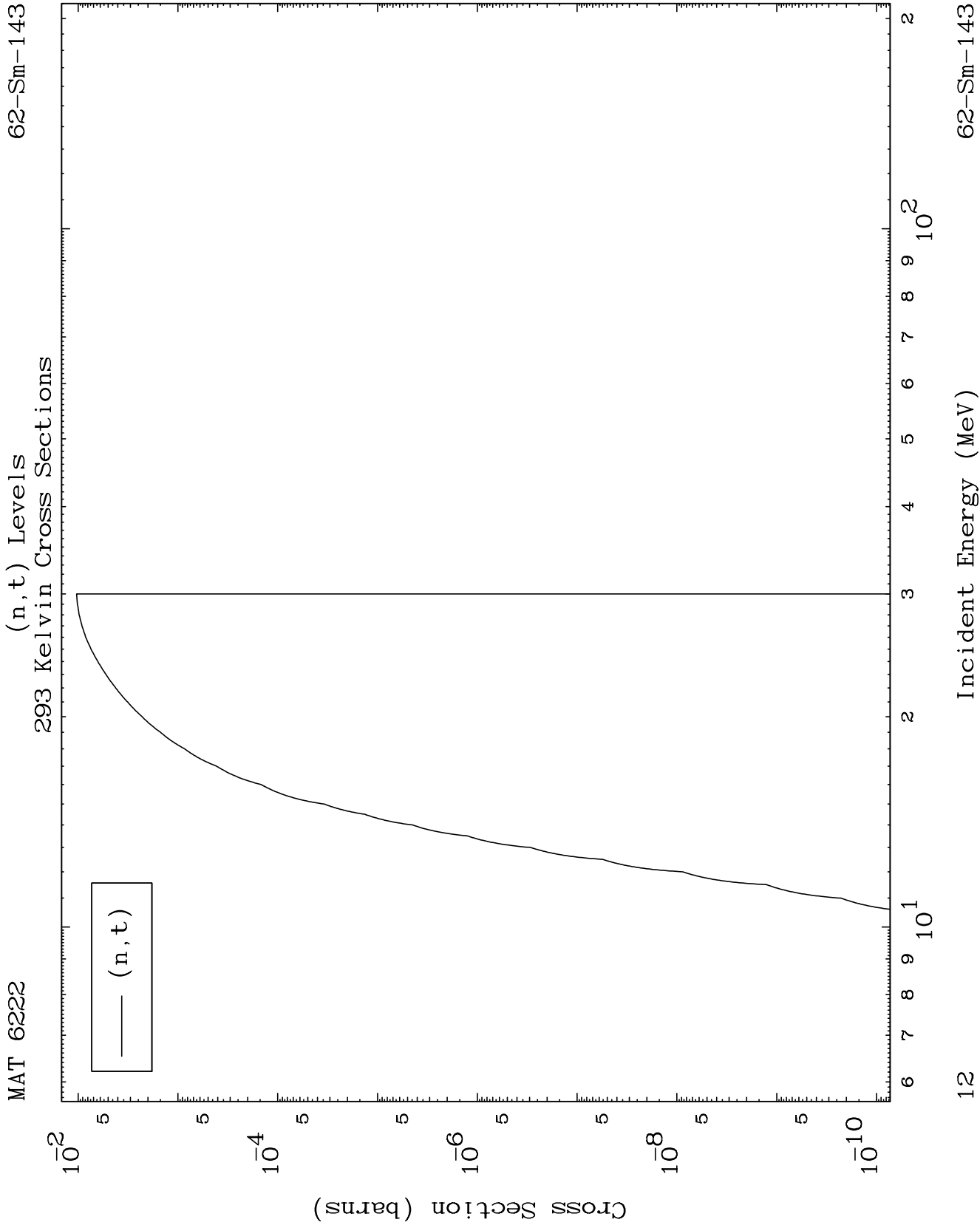
(n,d) Levels
293 Kelvin Cross Sections

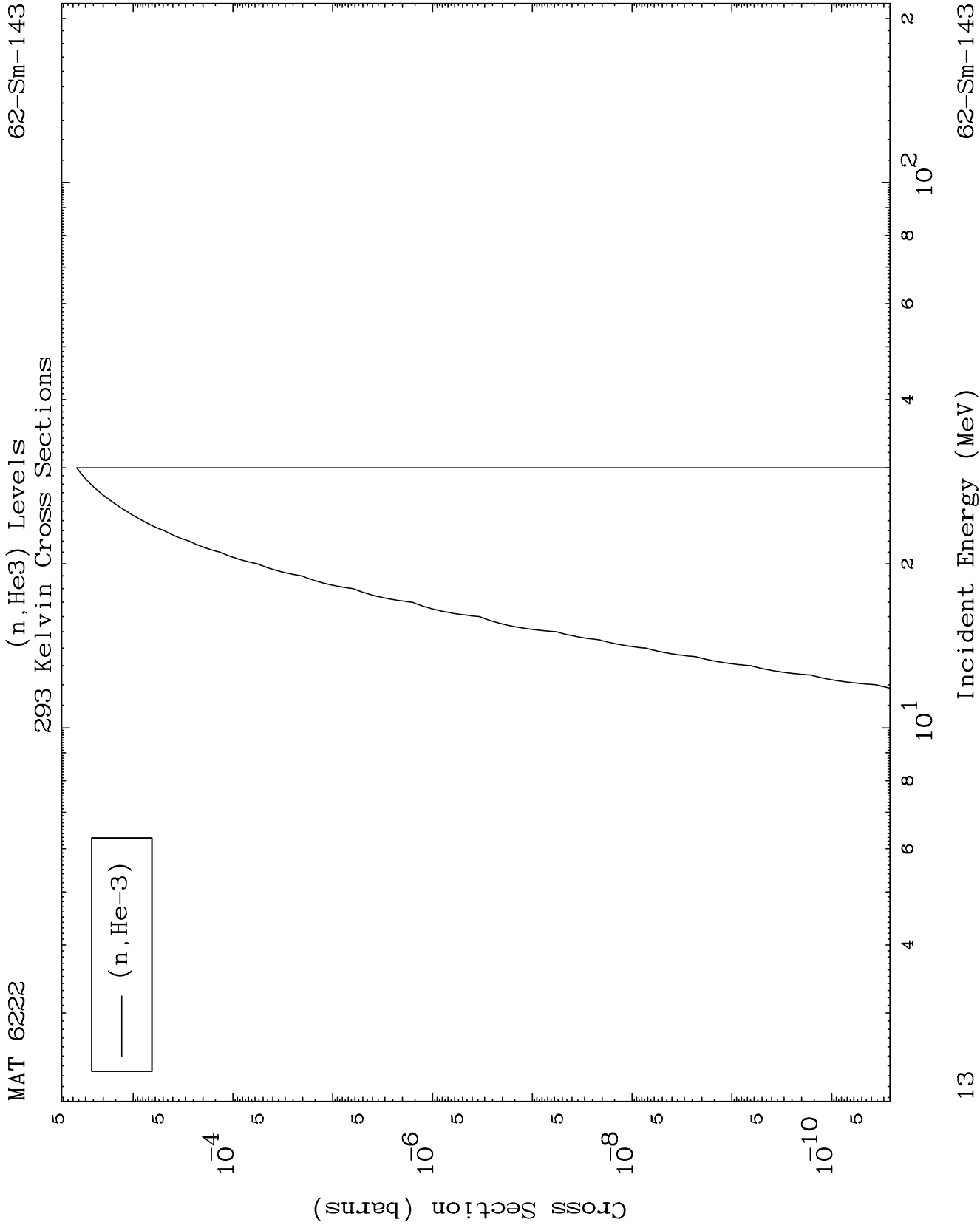


62-Sm-143

Incident Energy (MeV)

11

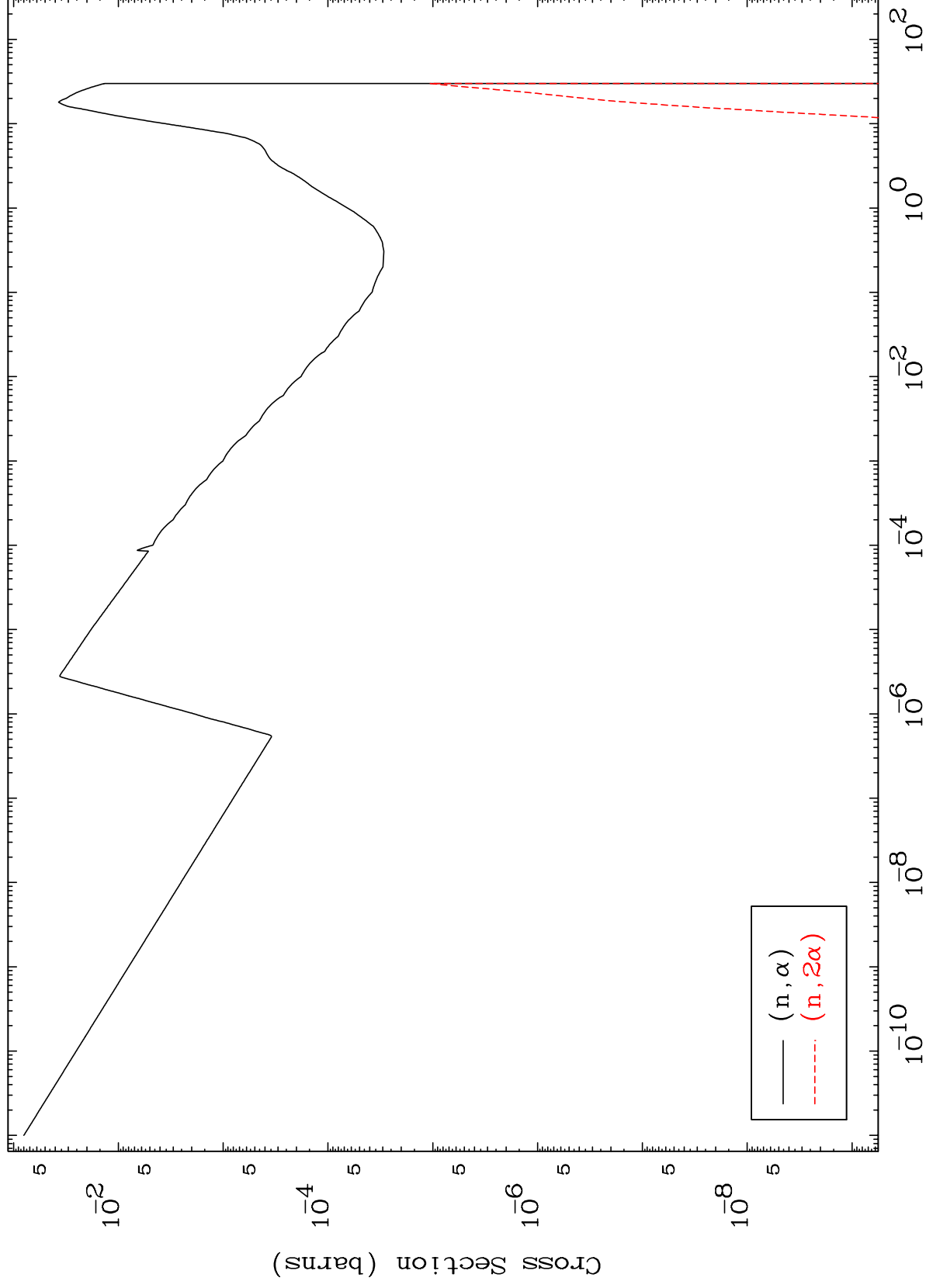




MAT 6222

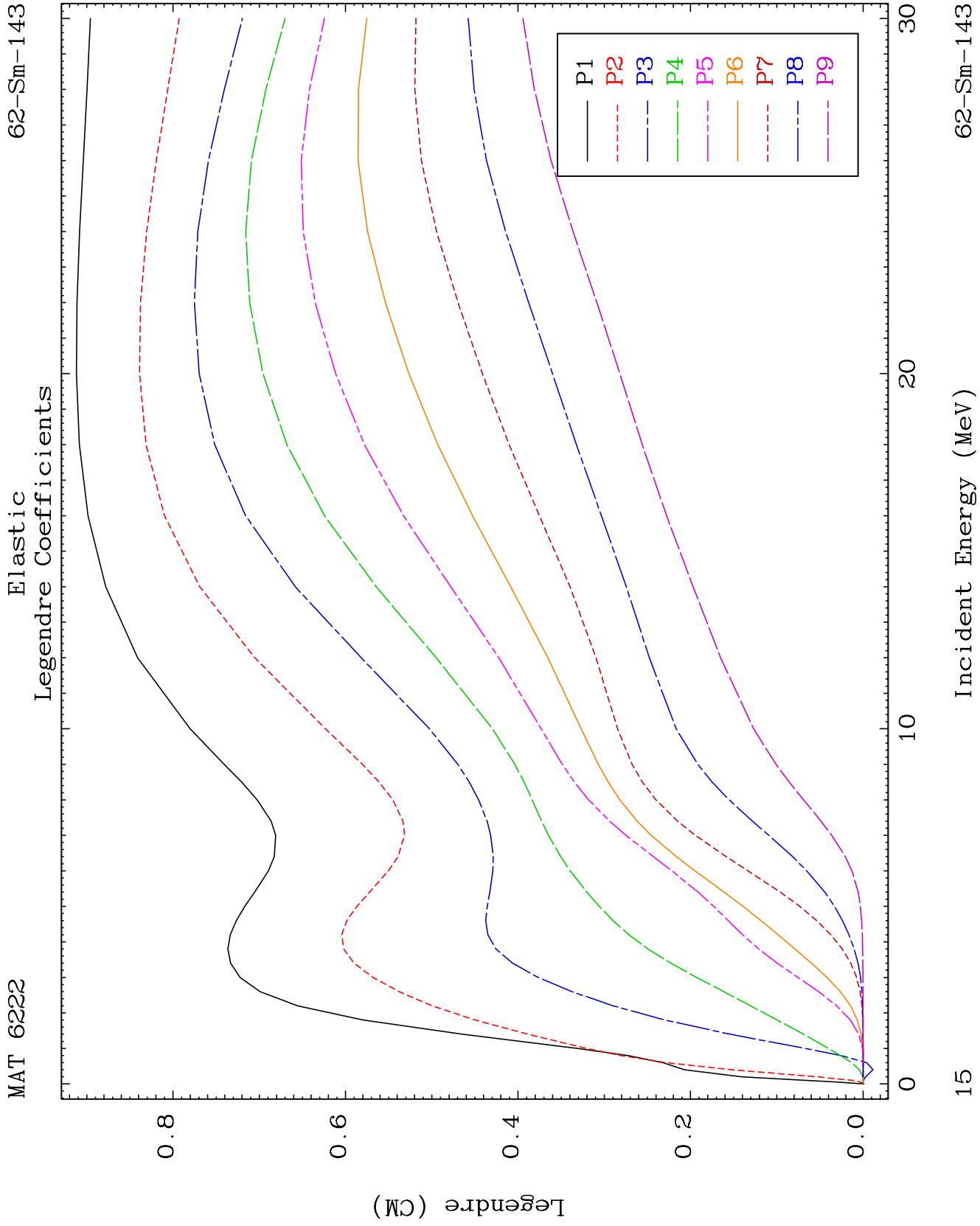
62-Sm-143

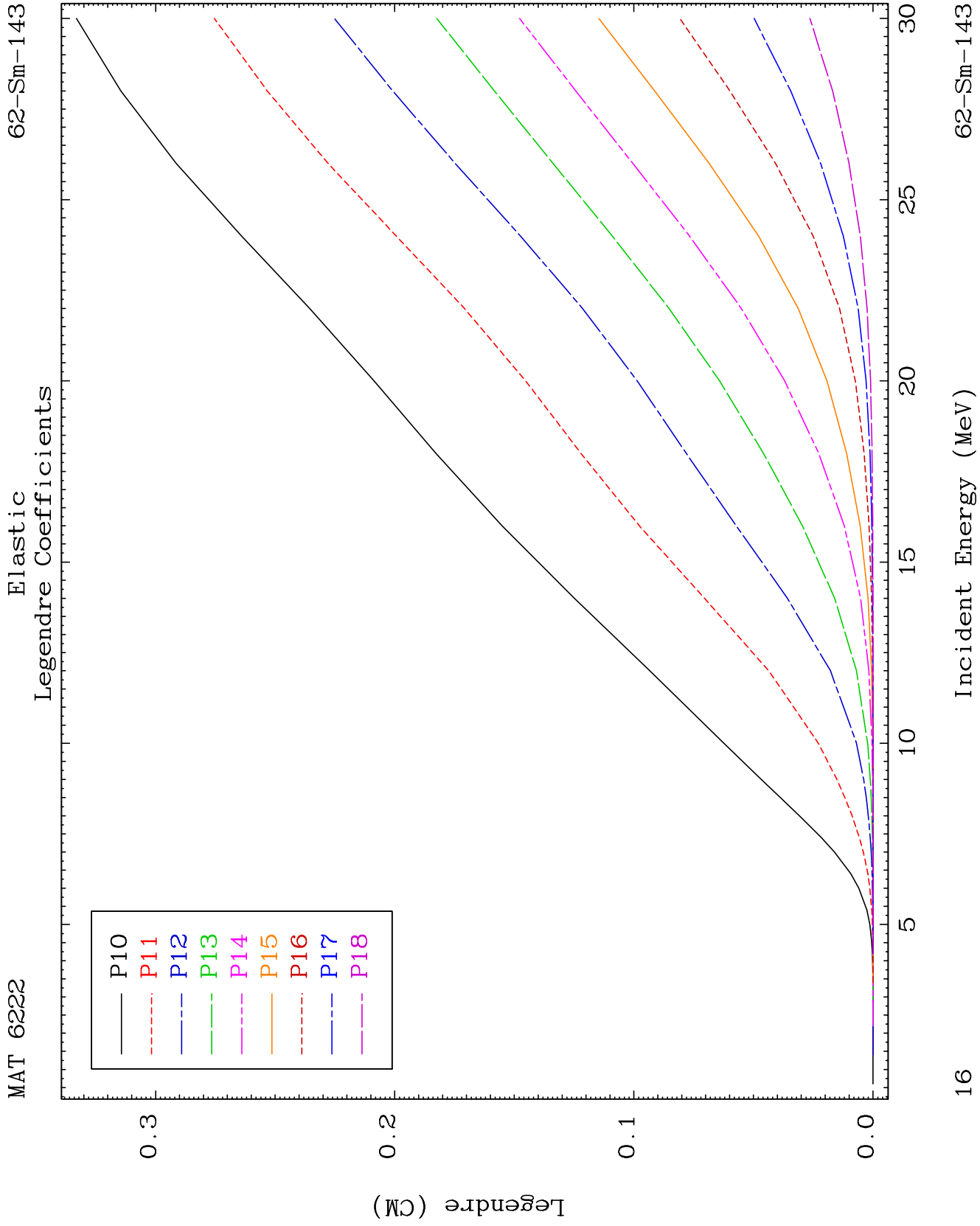
(n, α) Levels
293 Kelvin Cross Sections

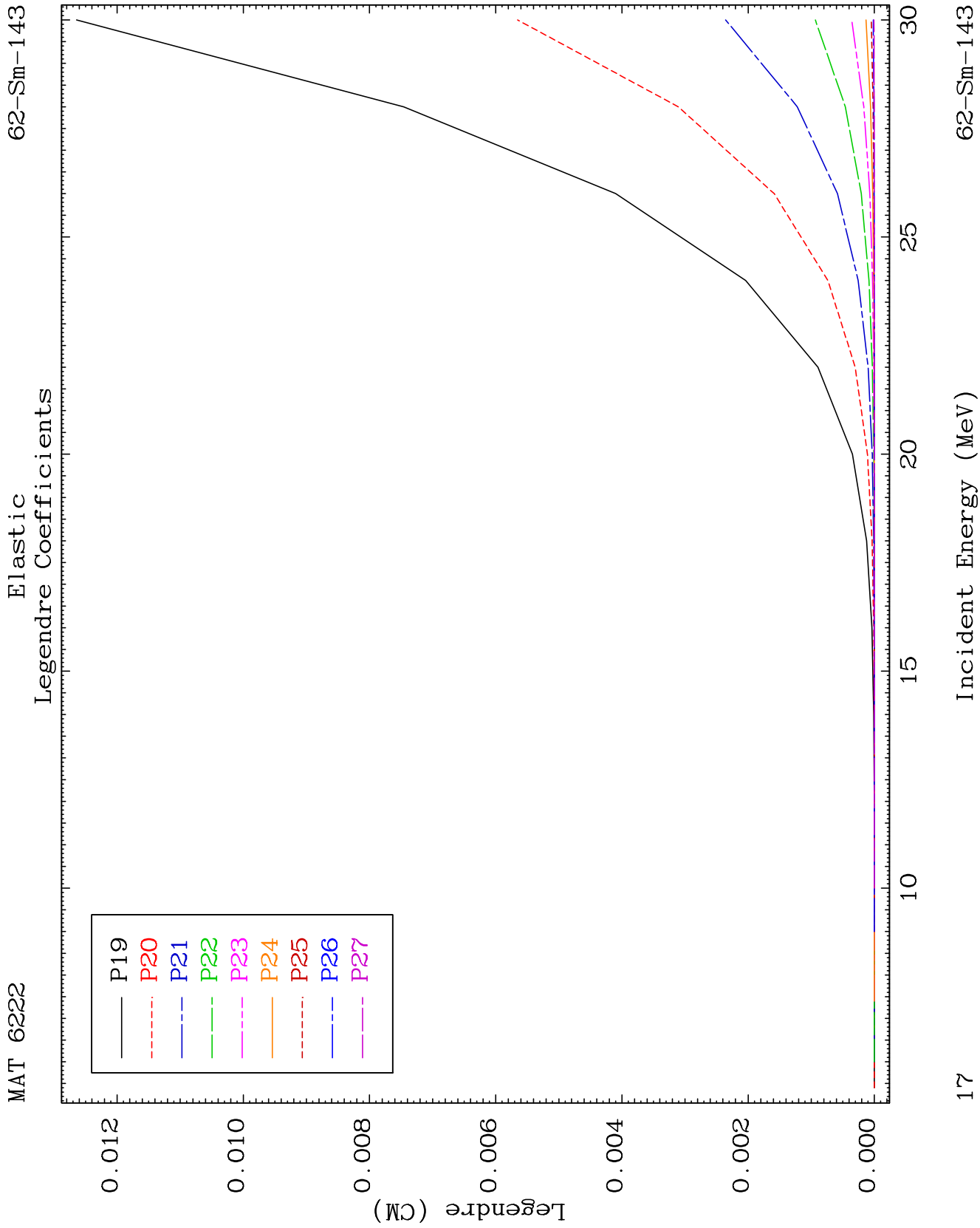


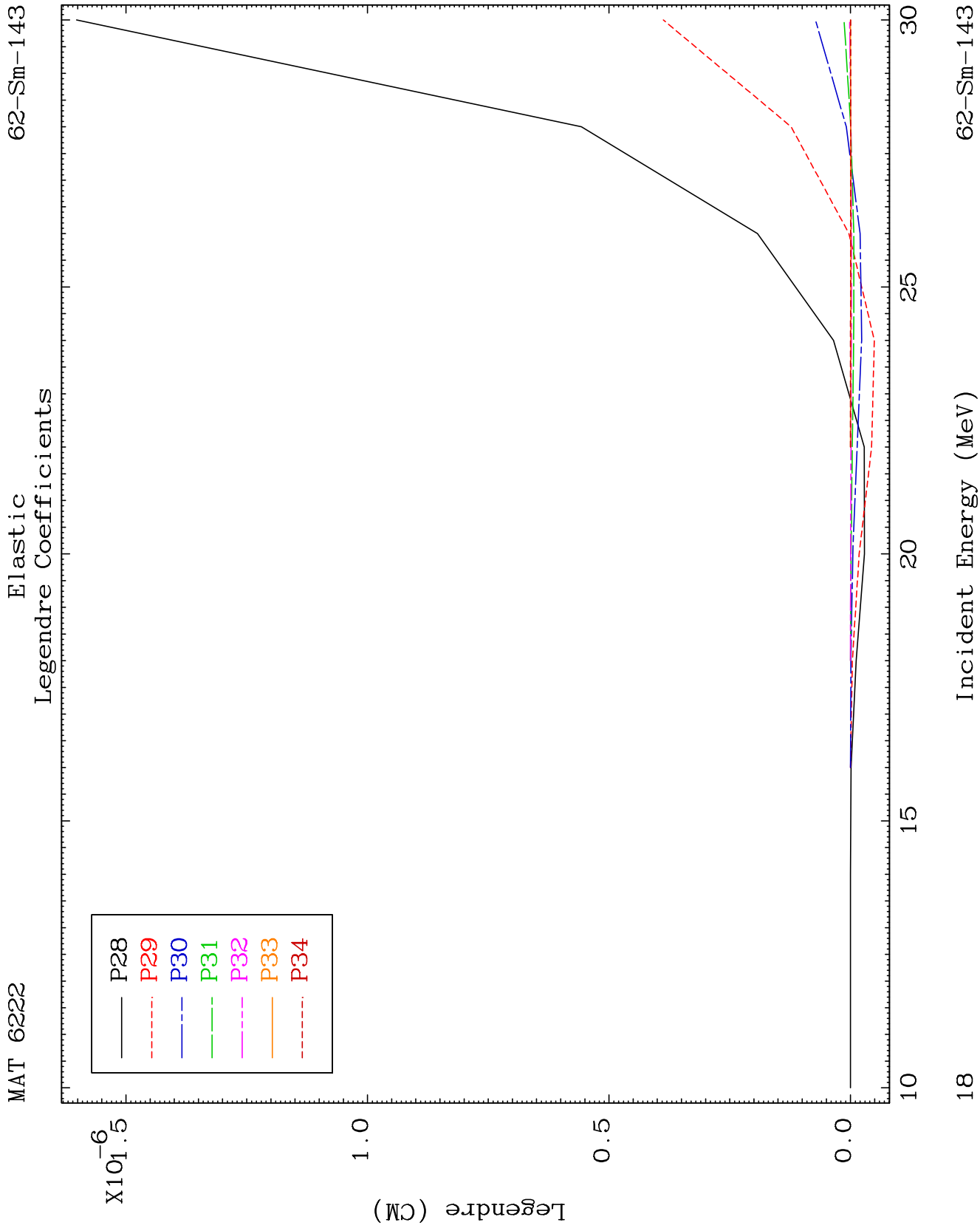
14

62-Sm-143





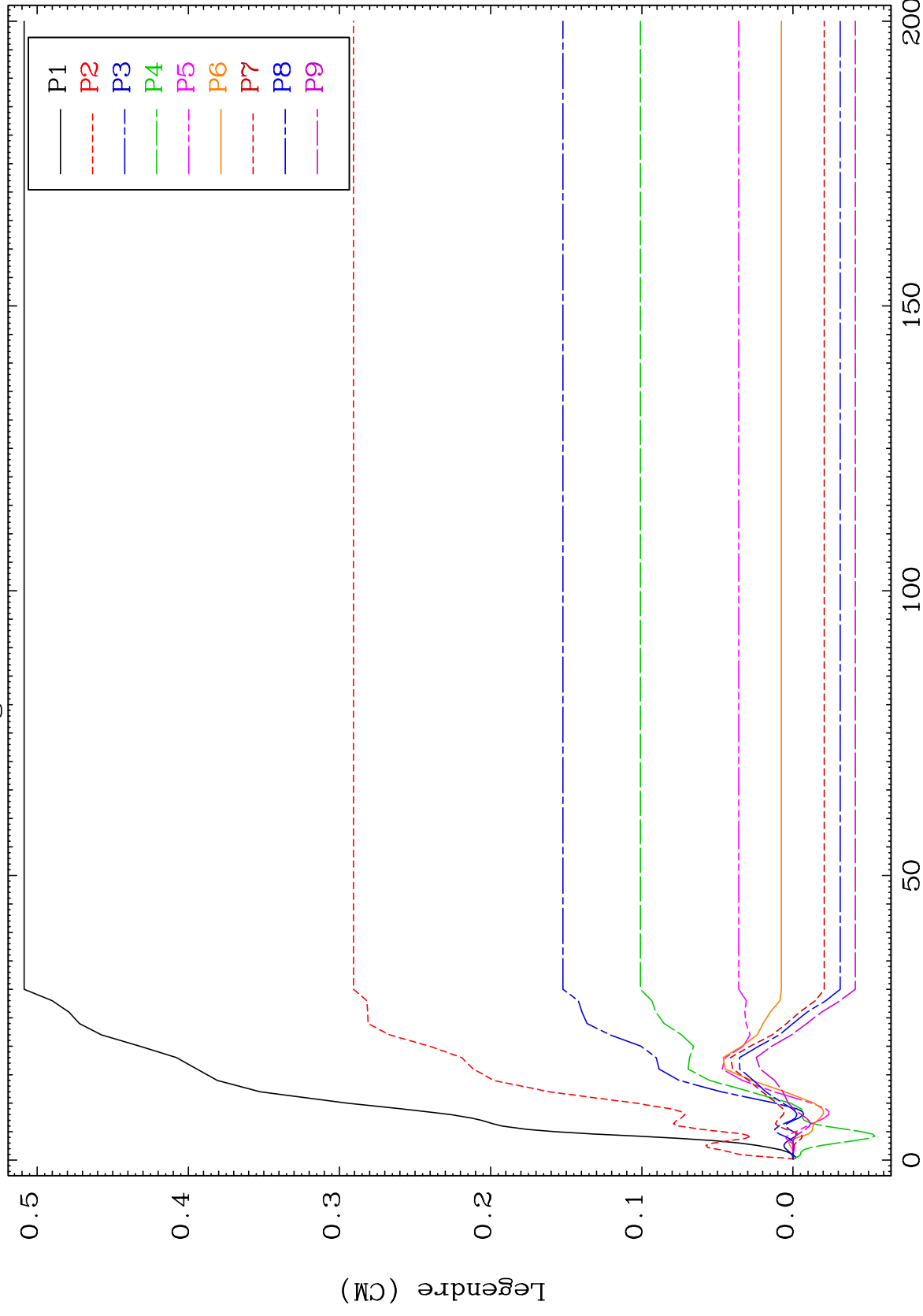




MAT 6222

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

62-Sm-143



19

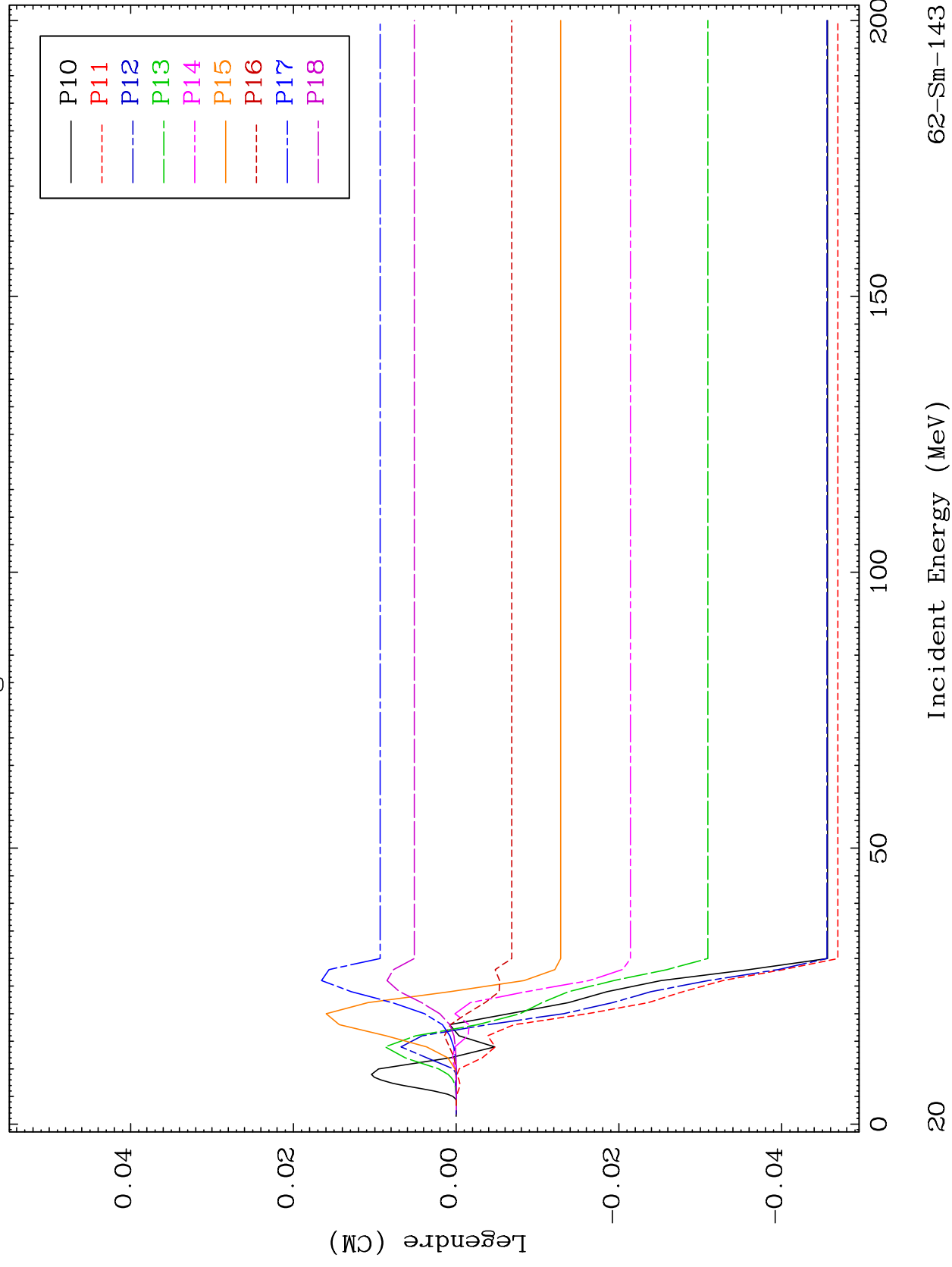
Incident Energy (MeV)

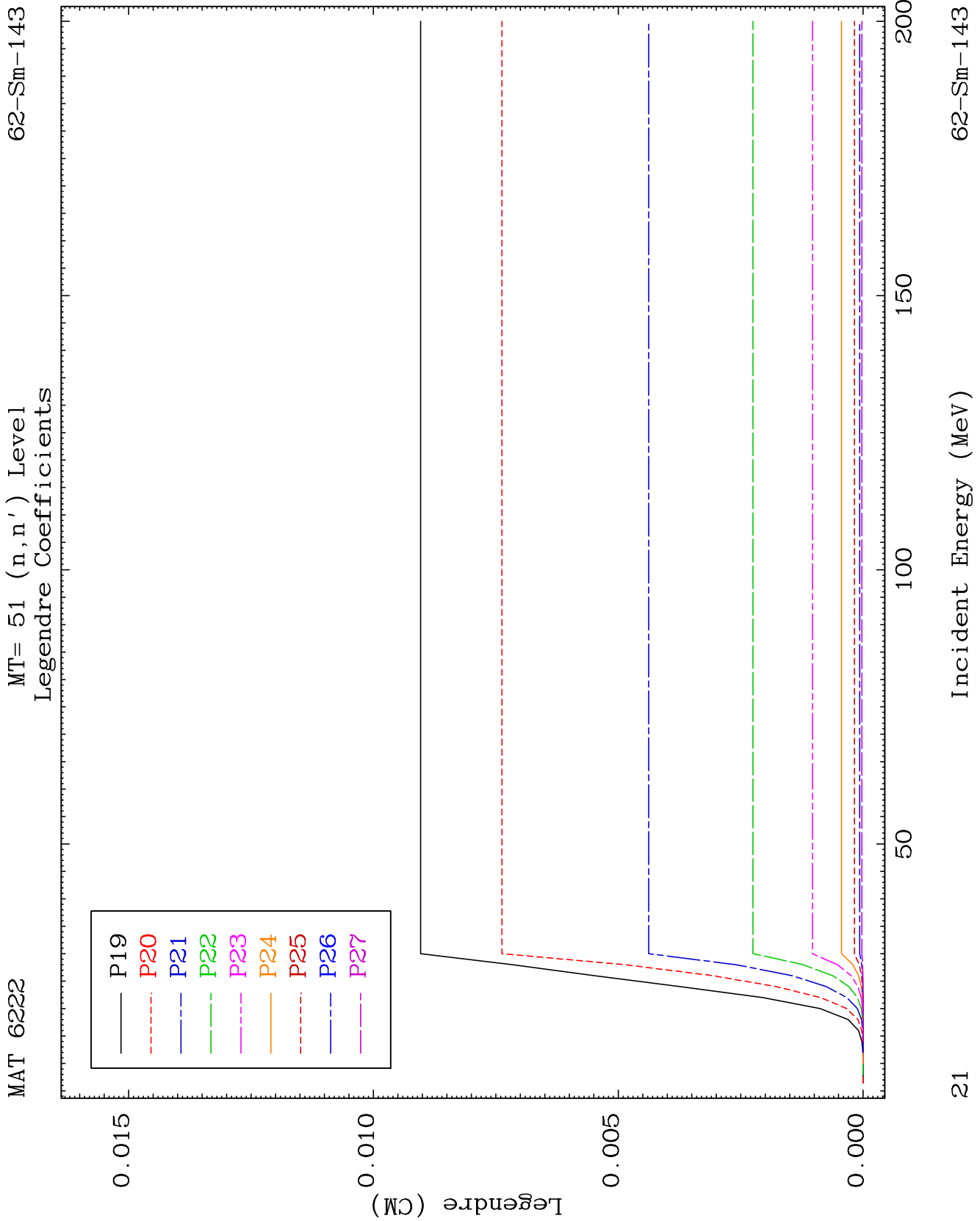
62-Sm-143

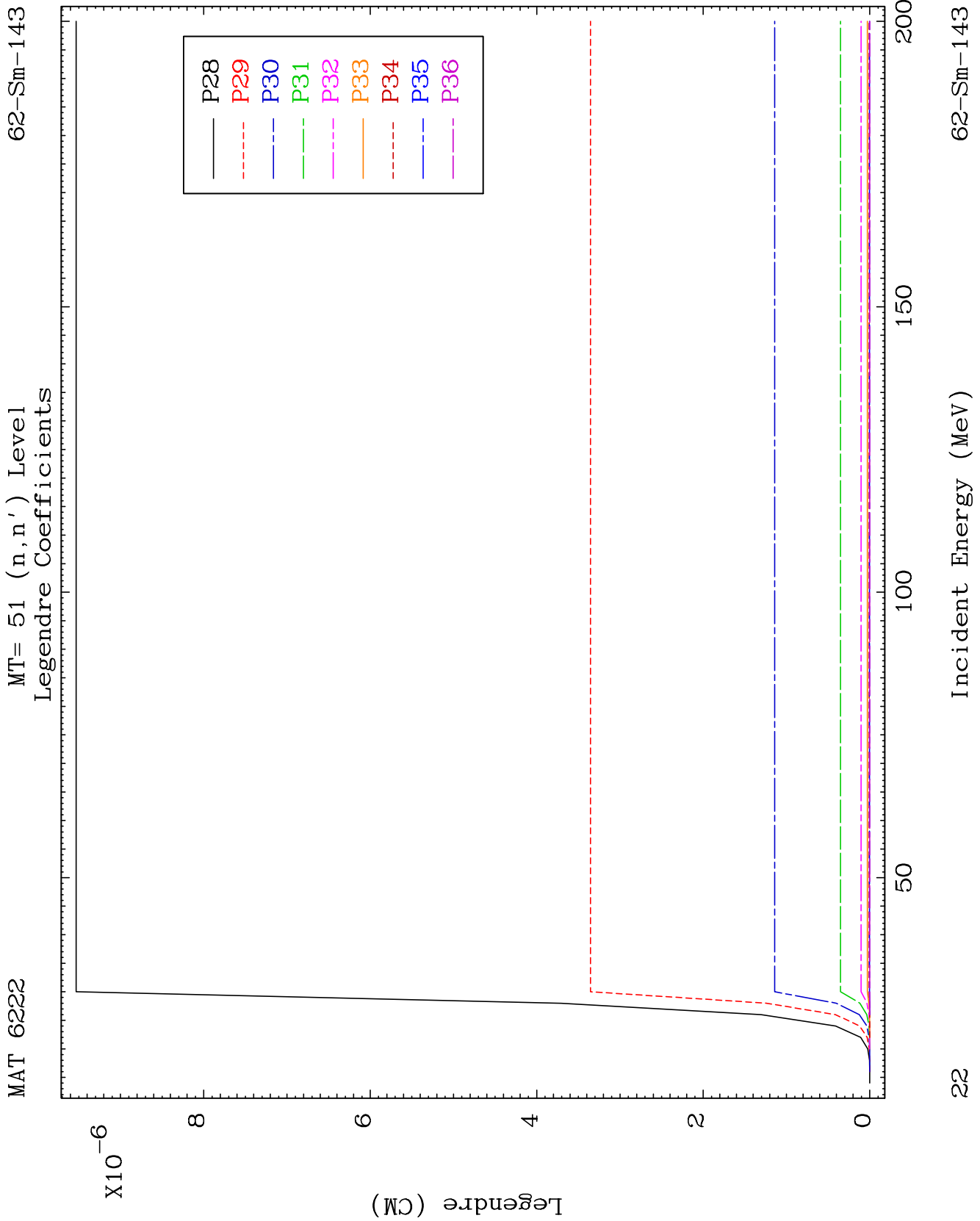
MAT 6222

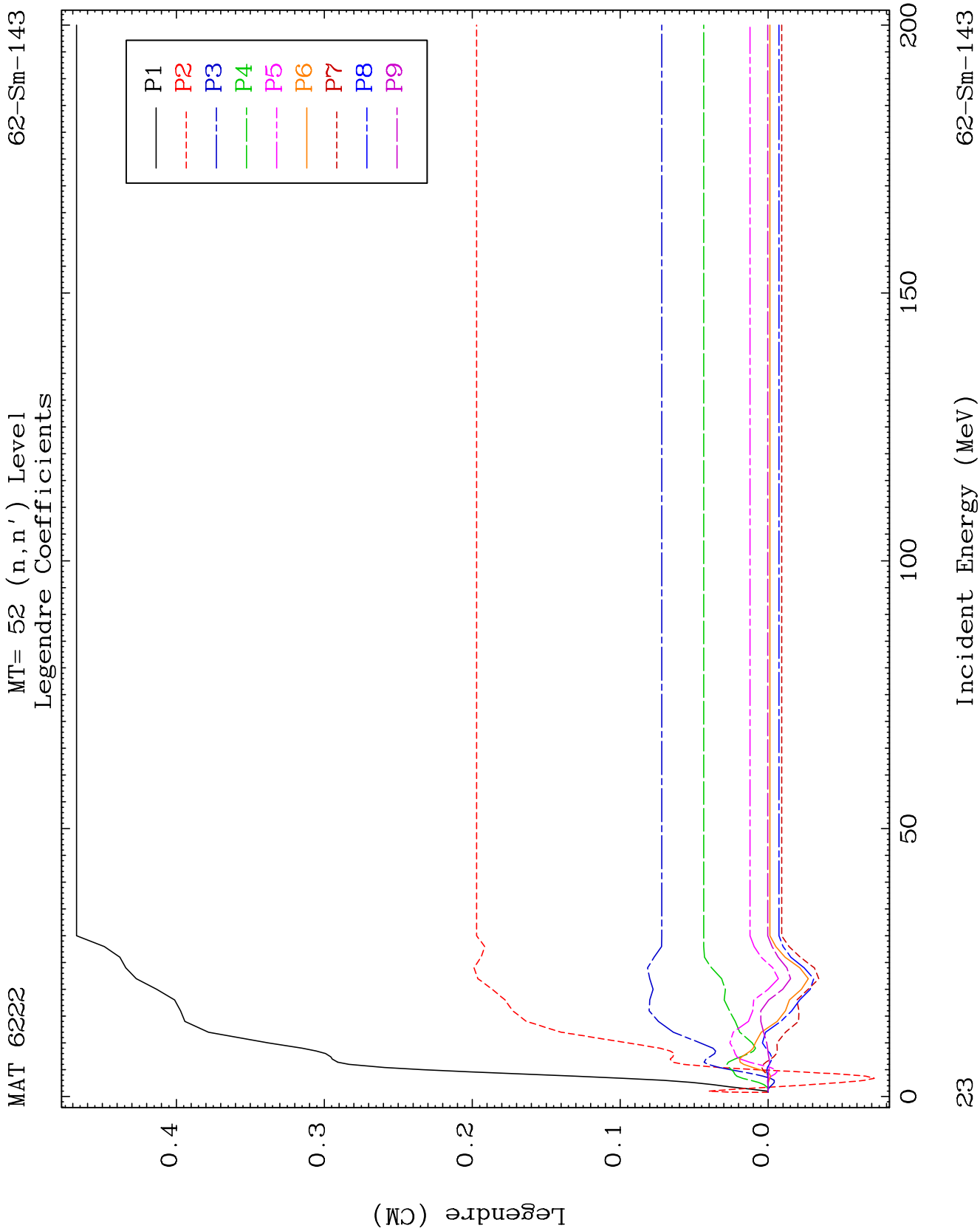
MT= 51 (n, n') Level
Legendre Coefficients

62-Sm-143





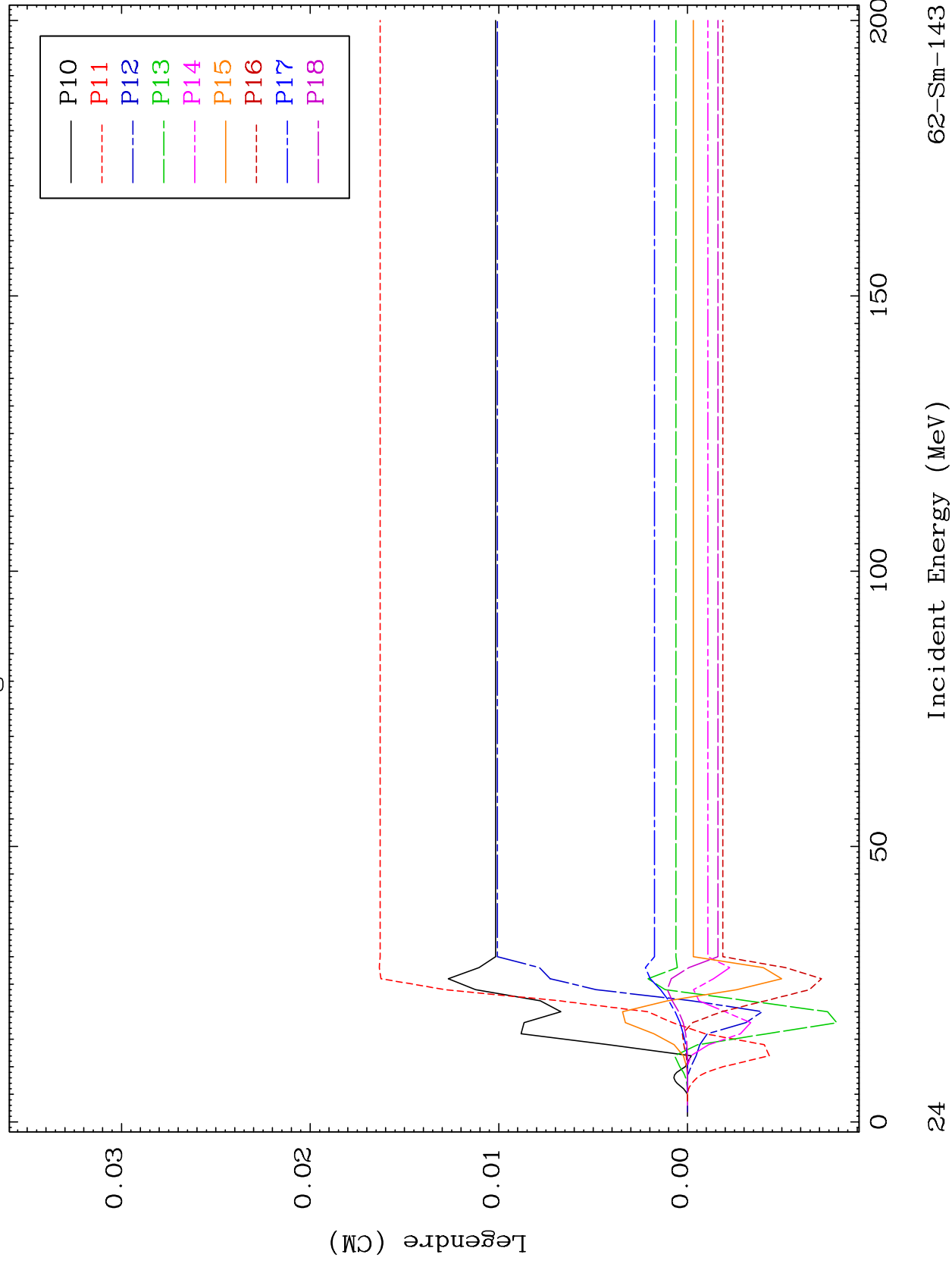


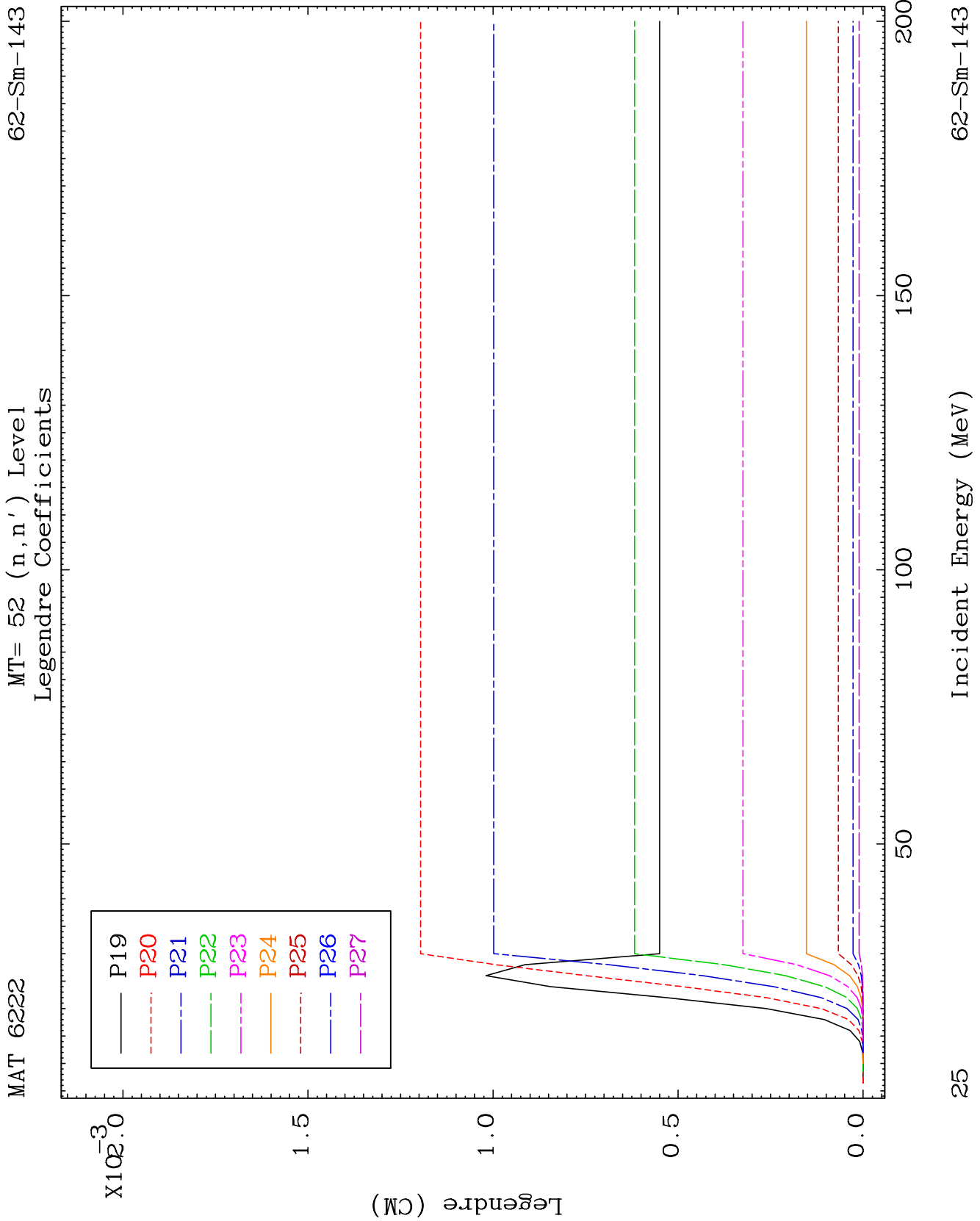


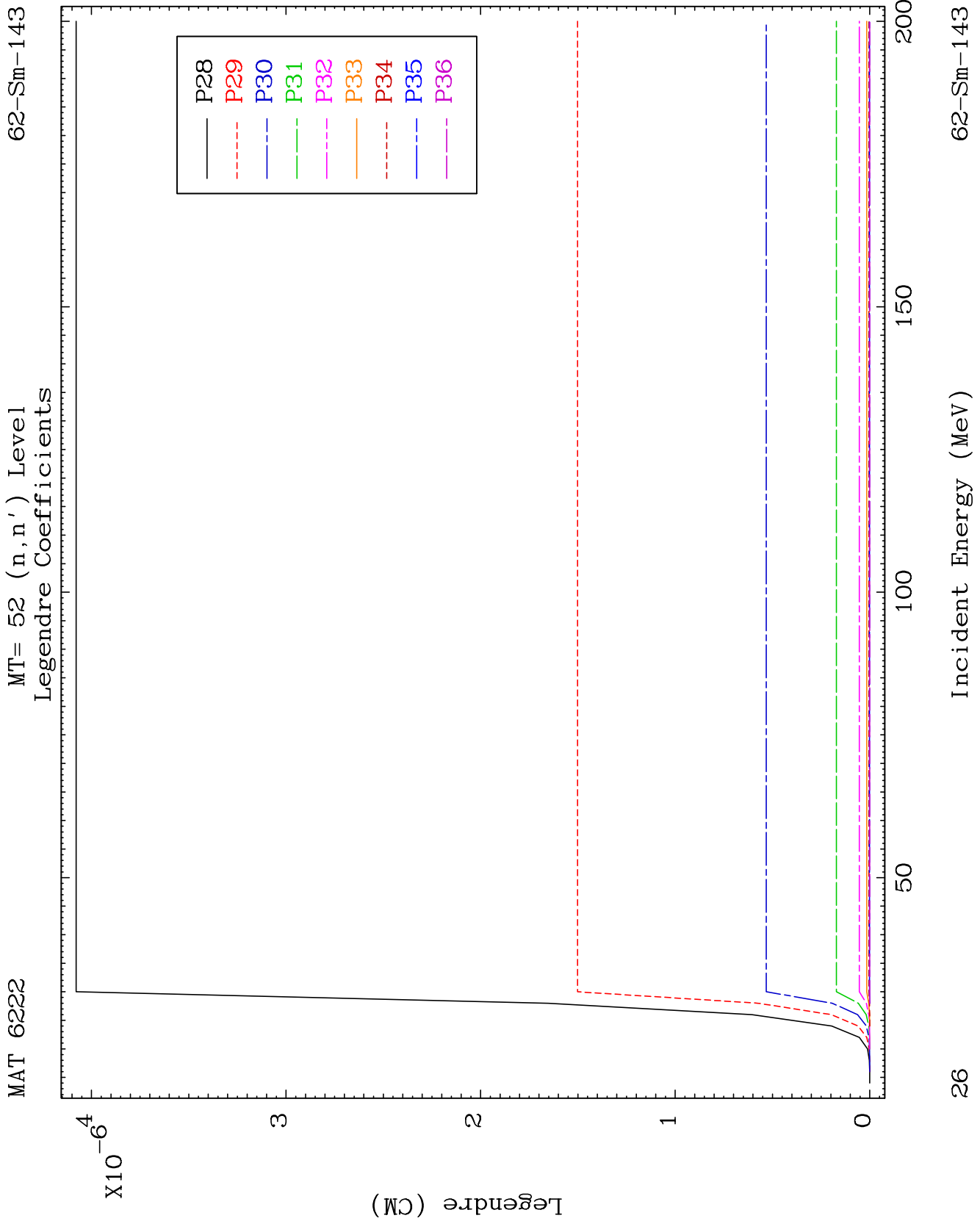
MAT 6222

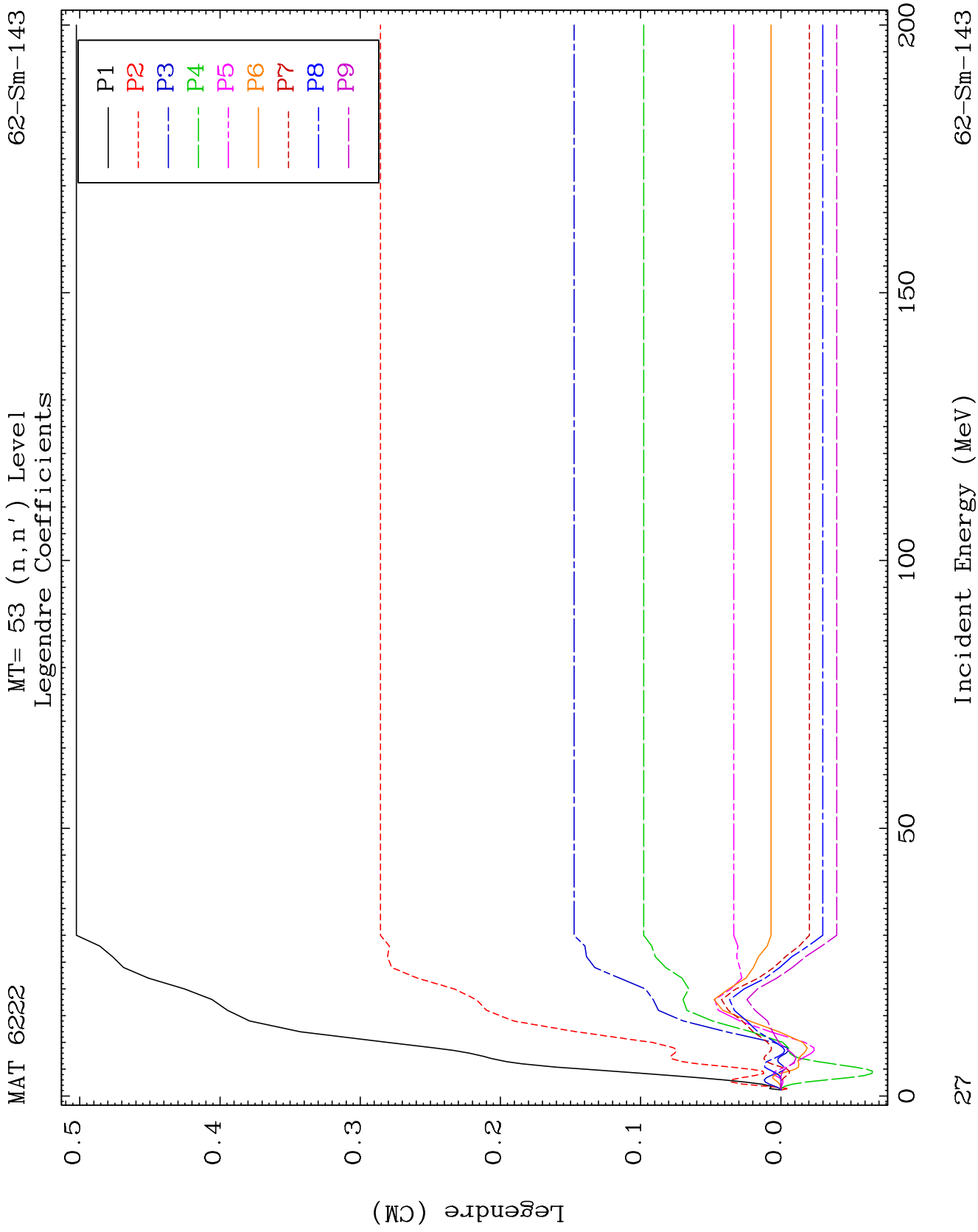
MT= 52 (n, n') Level
Legendre Coefficients

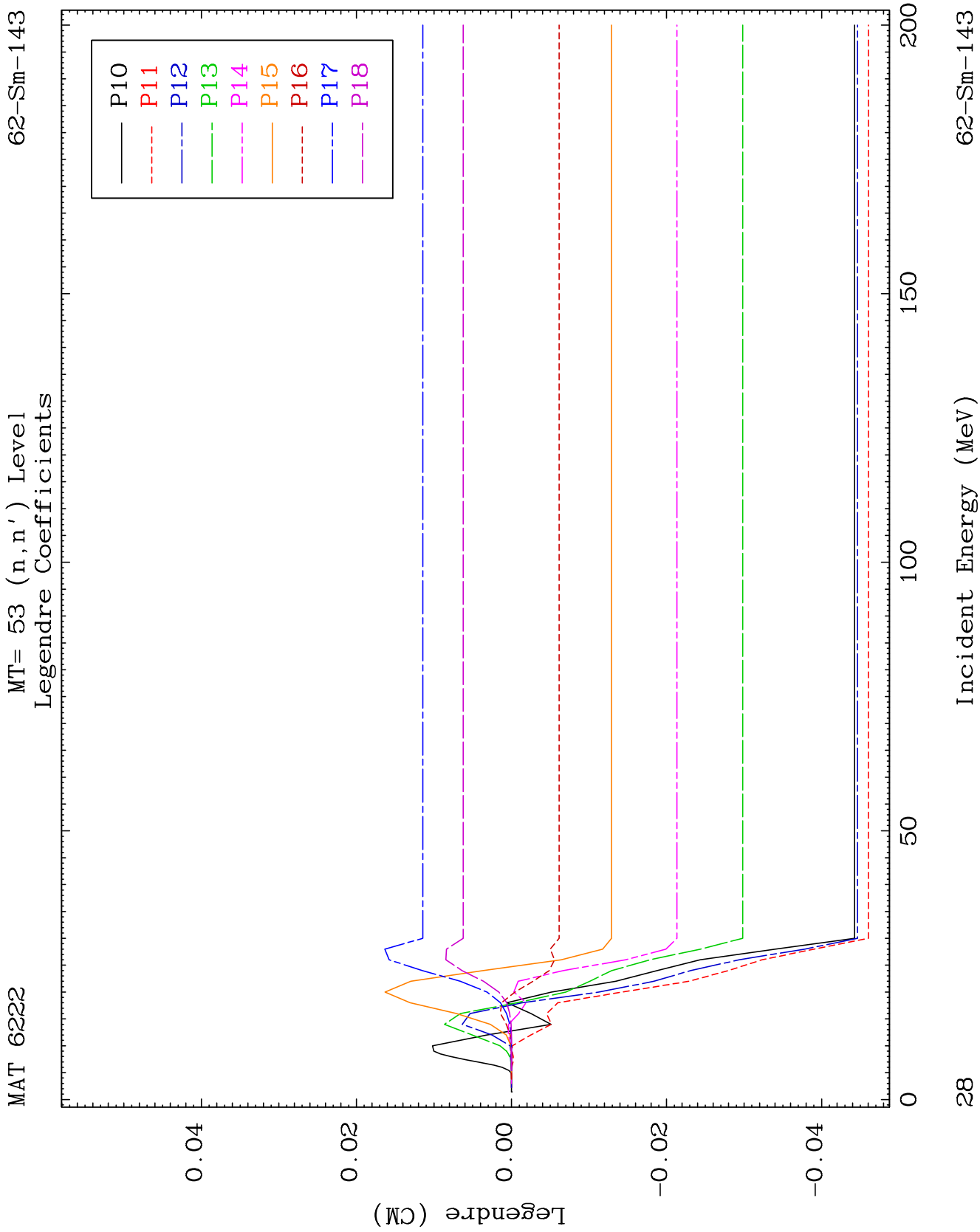
62-Sm-143







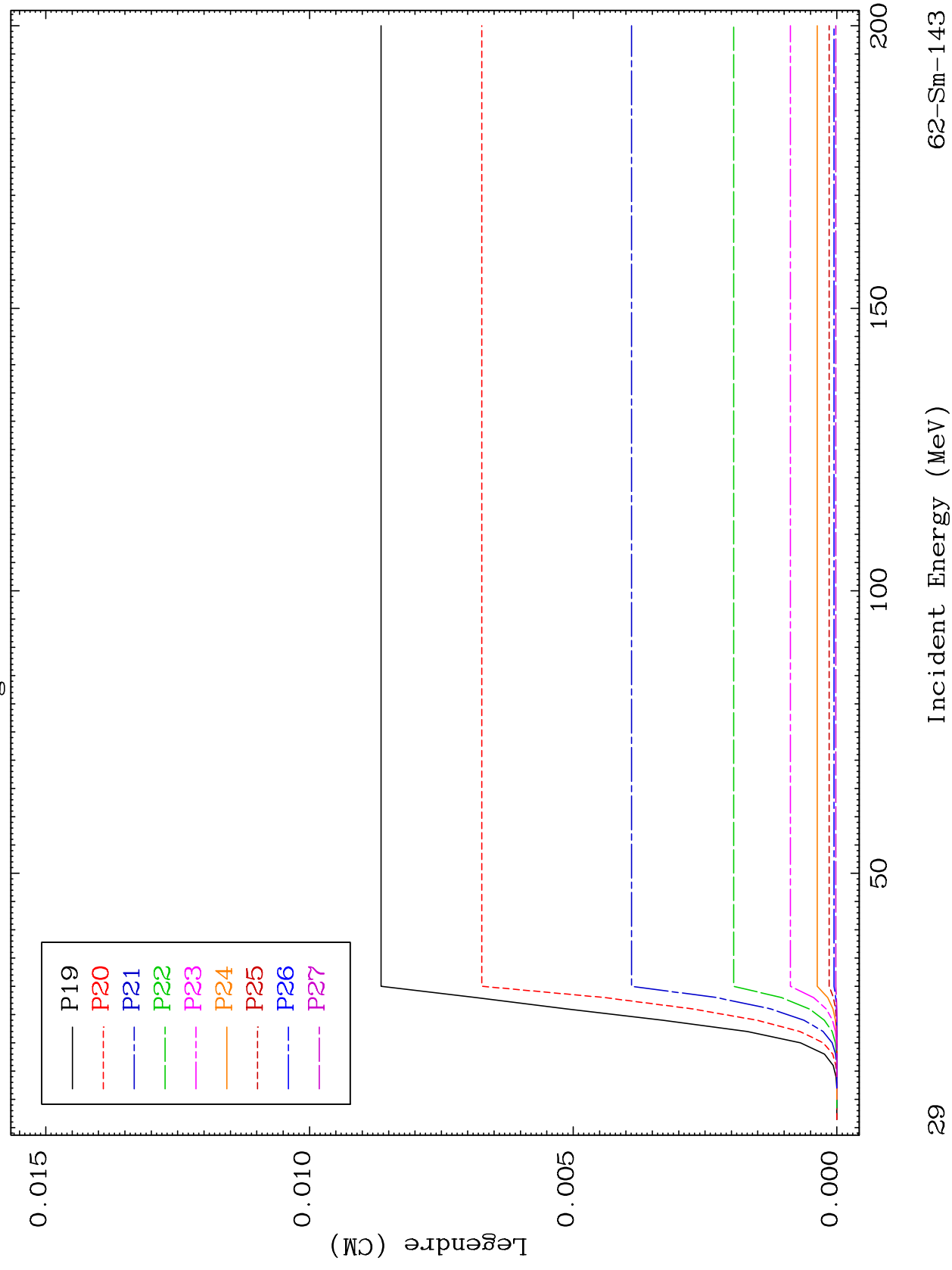


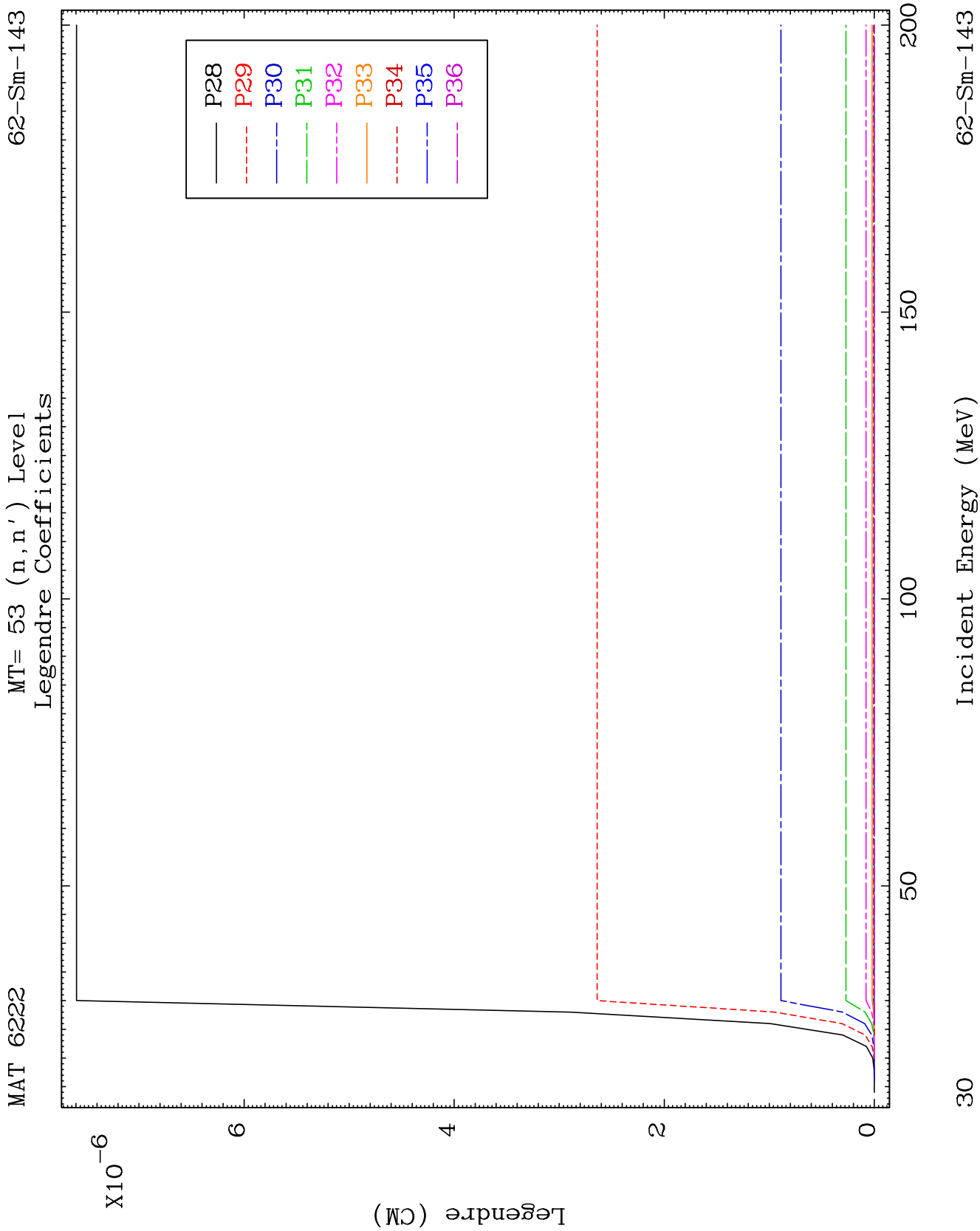


MAT 6222

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

62-Sm-143

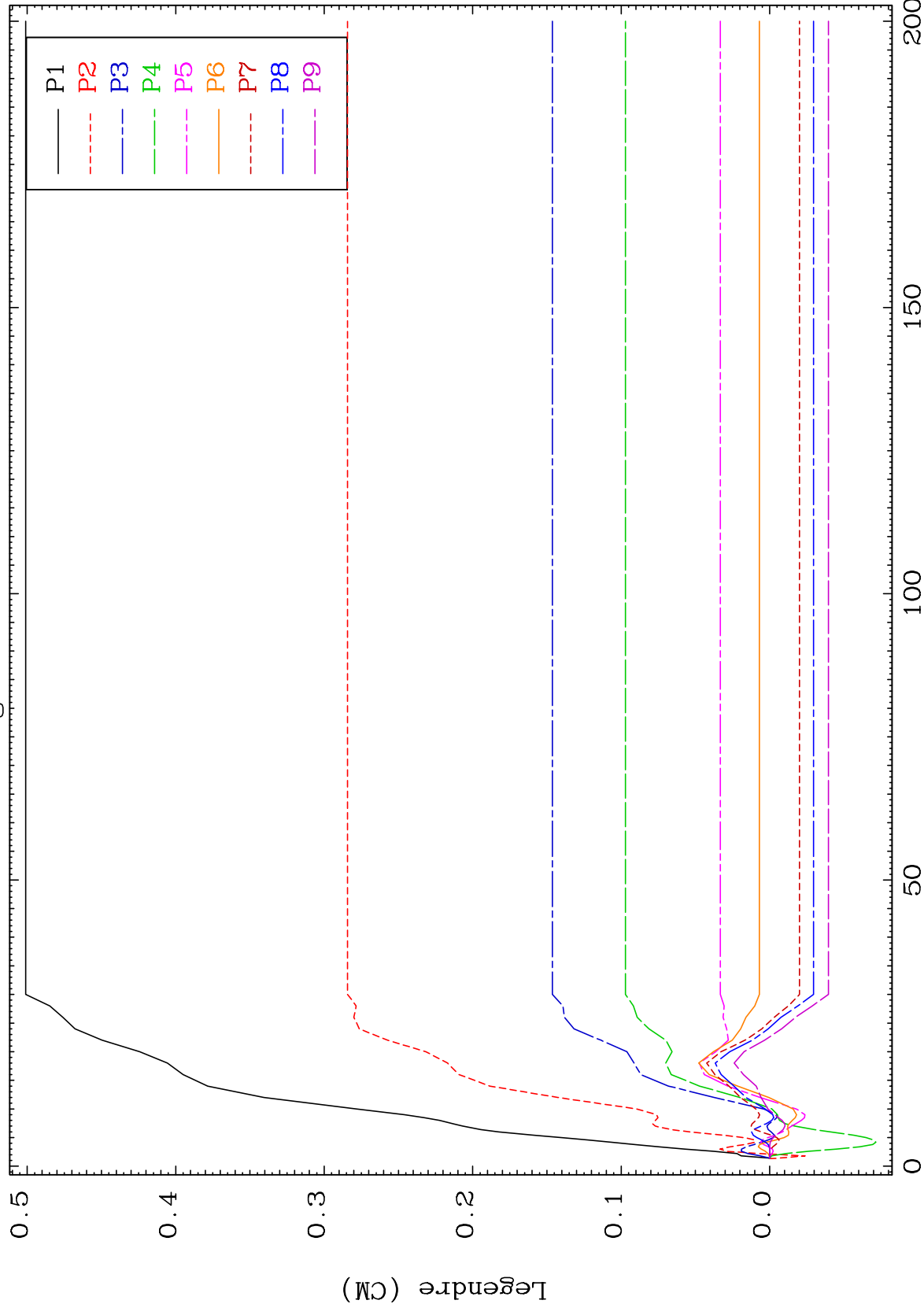




MAT 6222

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

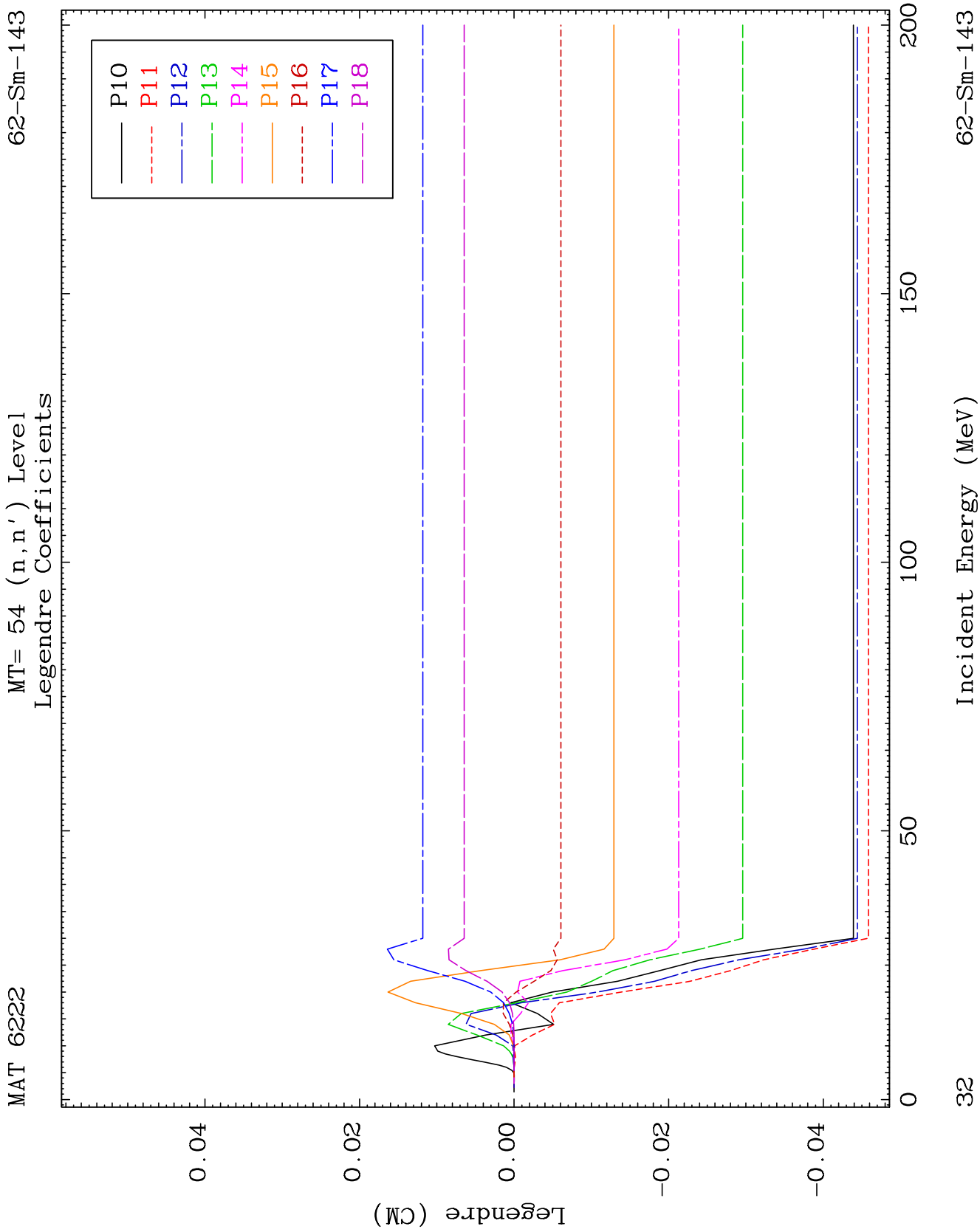
62-Sm-143



31

Incident Energy (MeV)

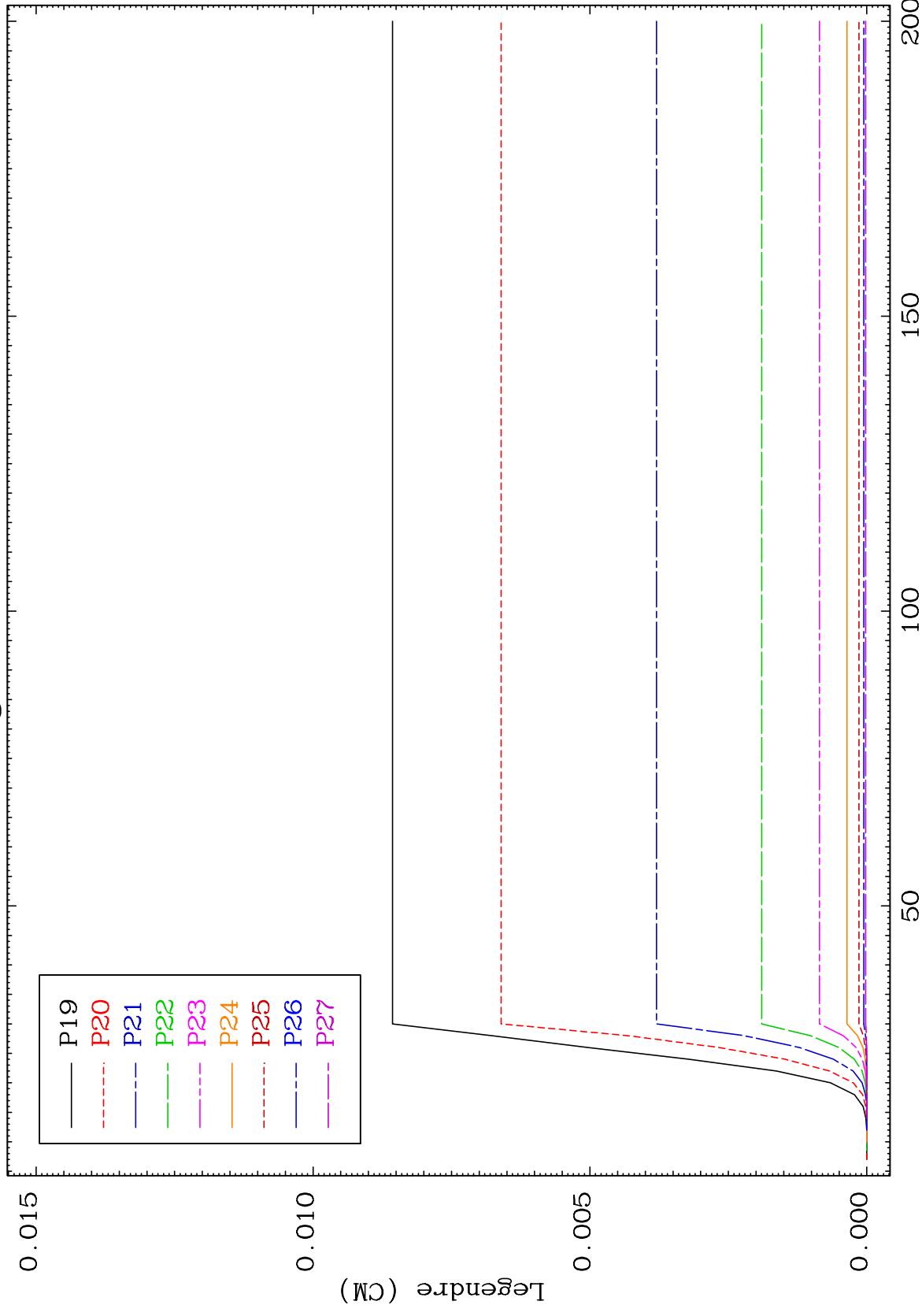
62-Sm-143



MAT 6222

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

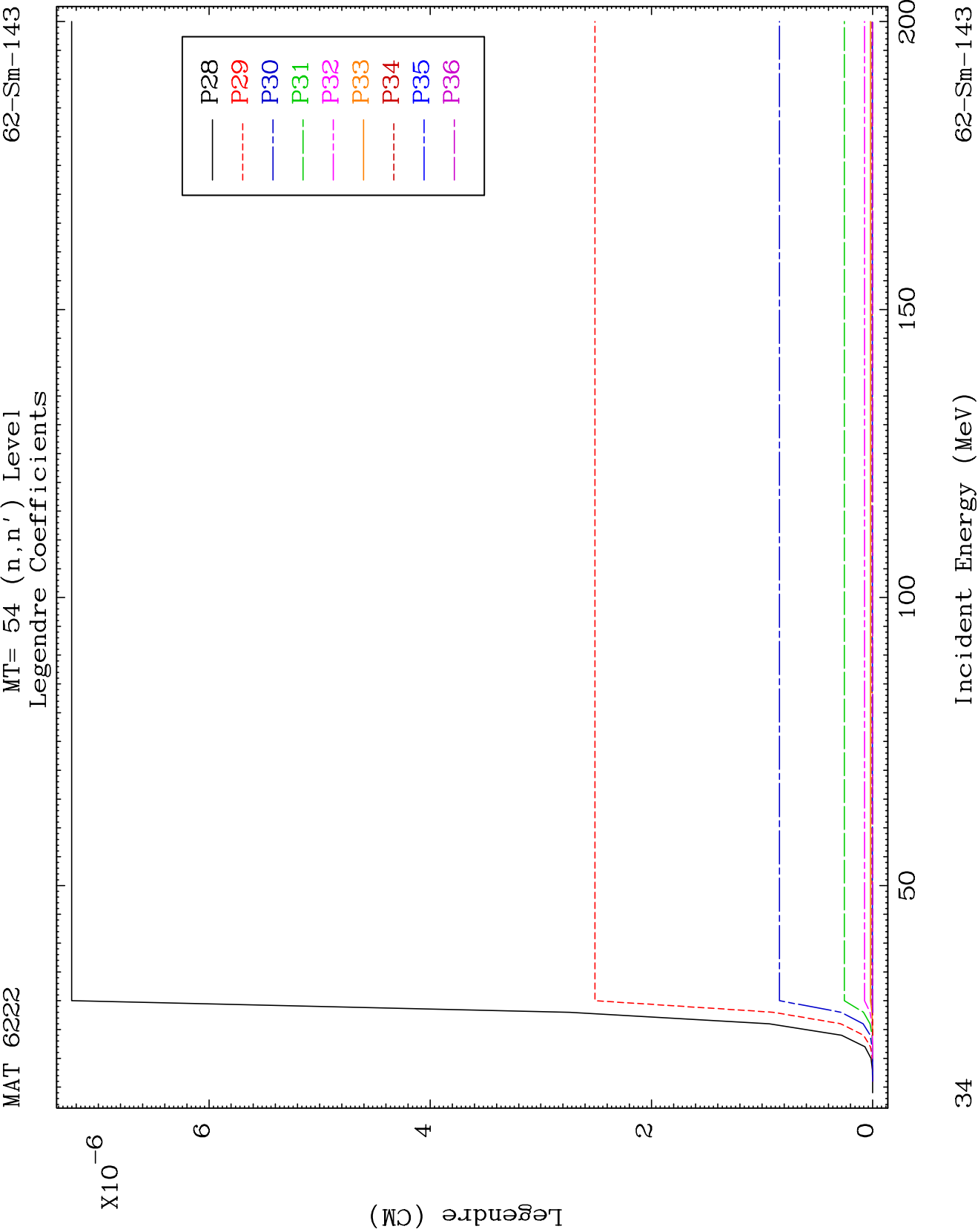
62-Sm-143

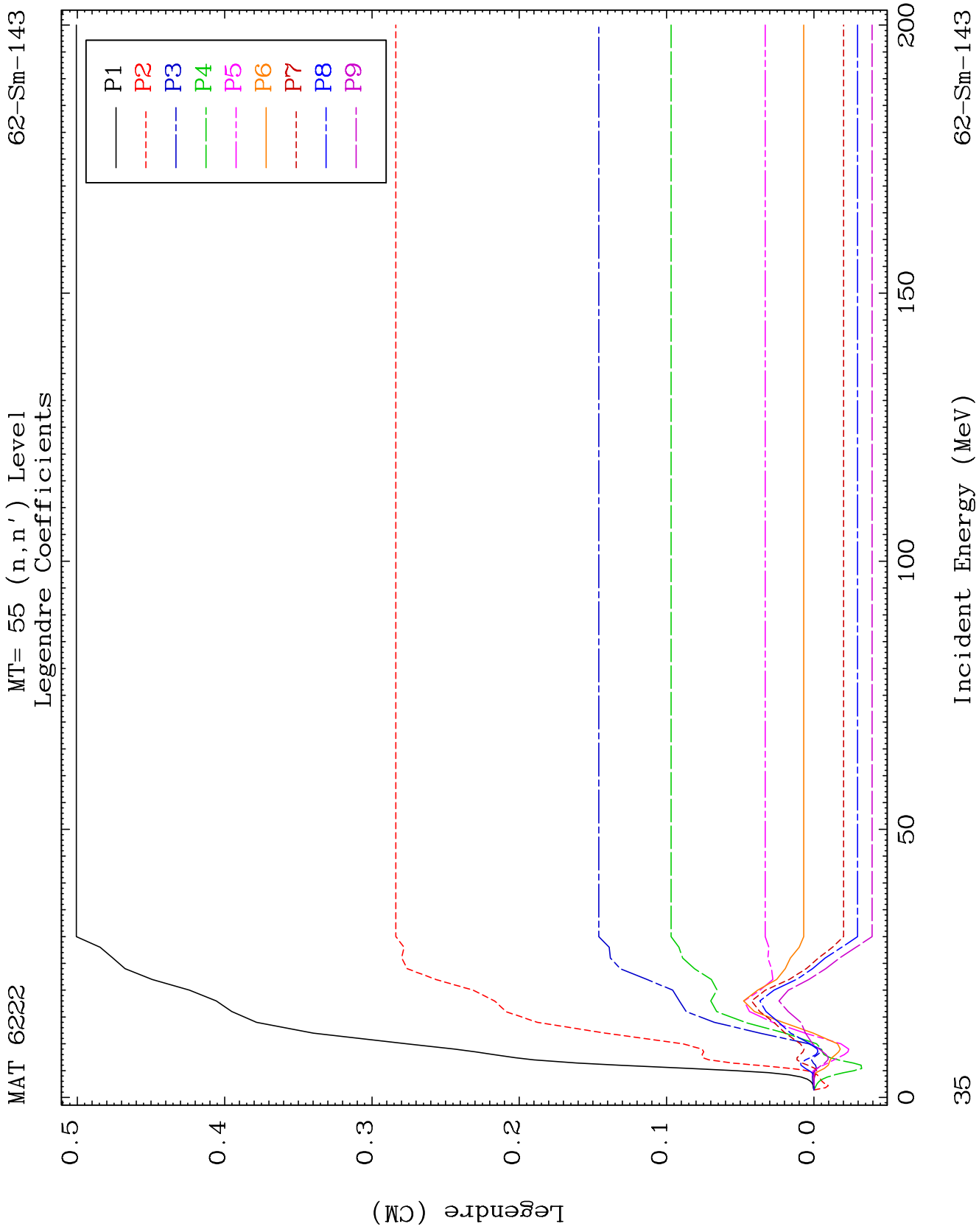


33

Incident Energy (MeV)

62-Sm-143

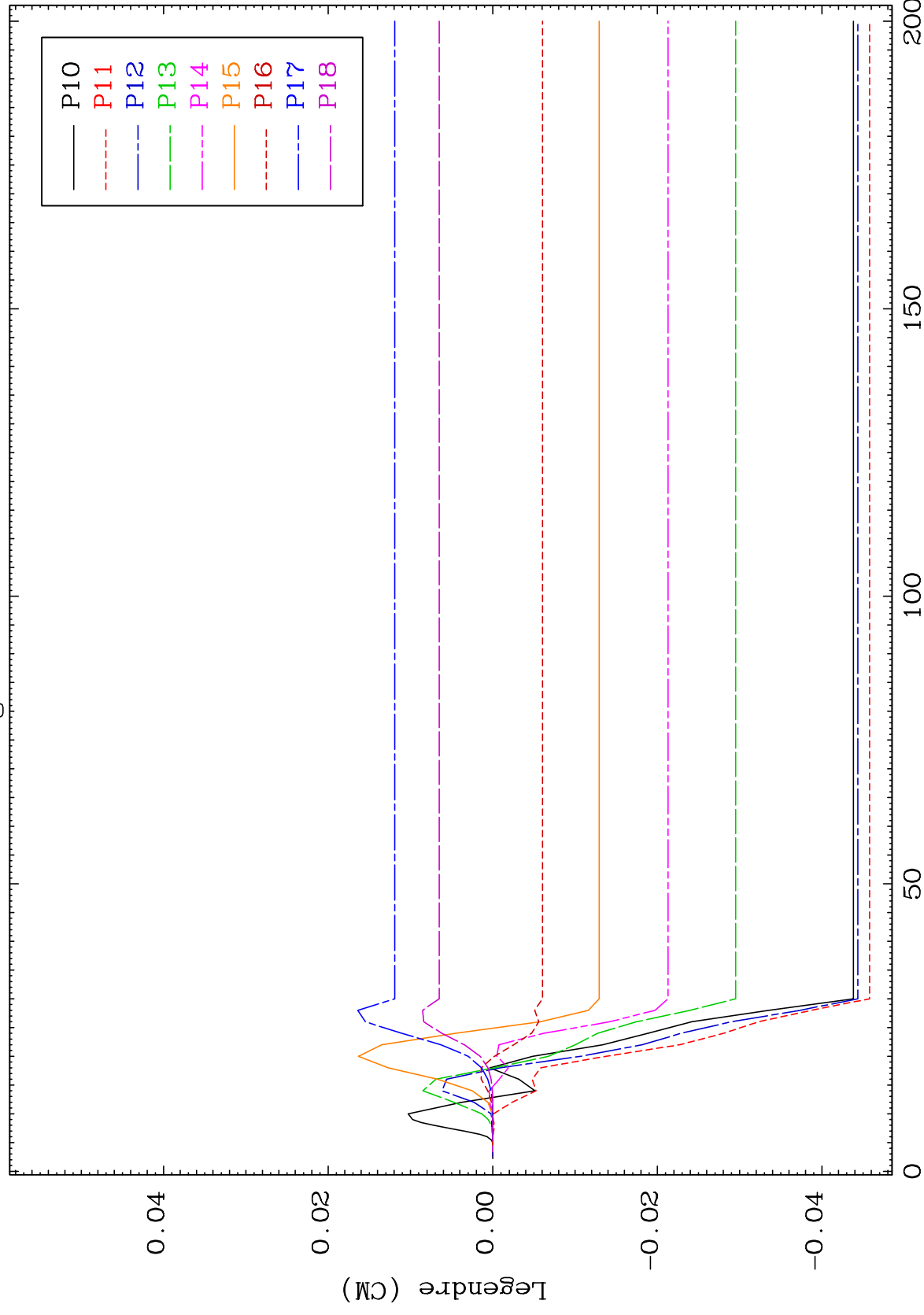




MAT 6222

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

62-Sm-143



36

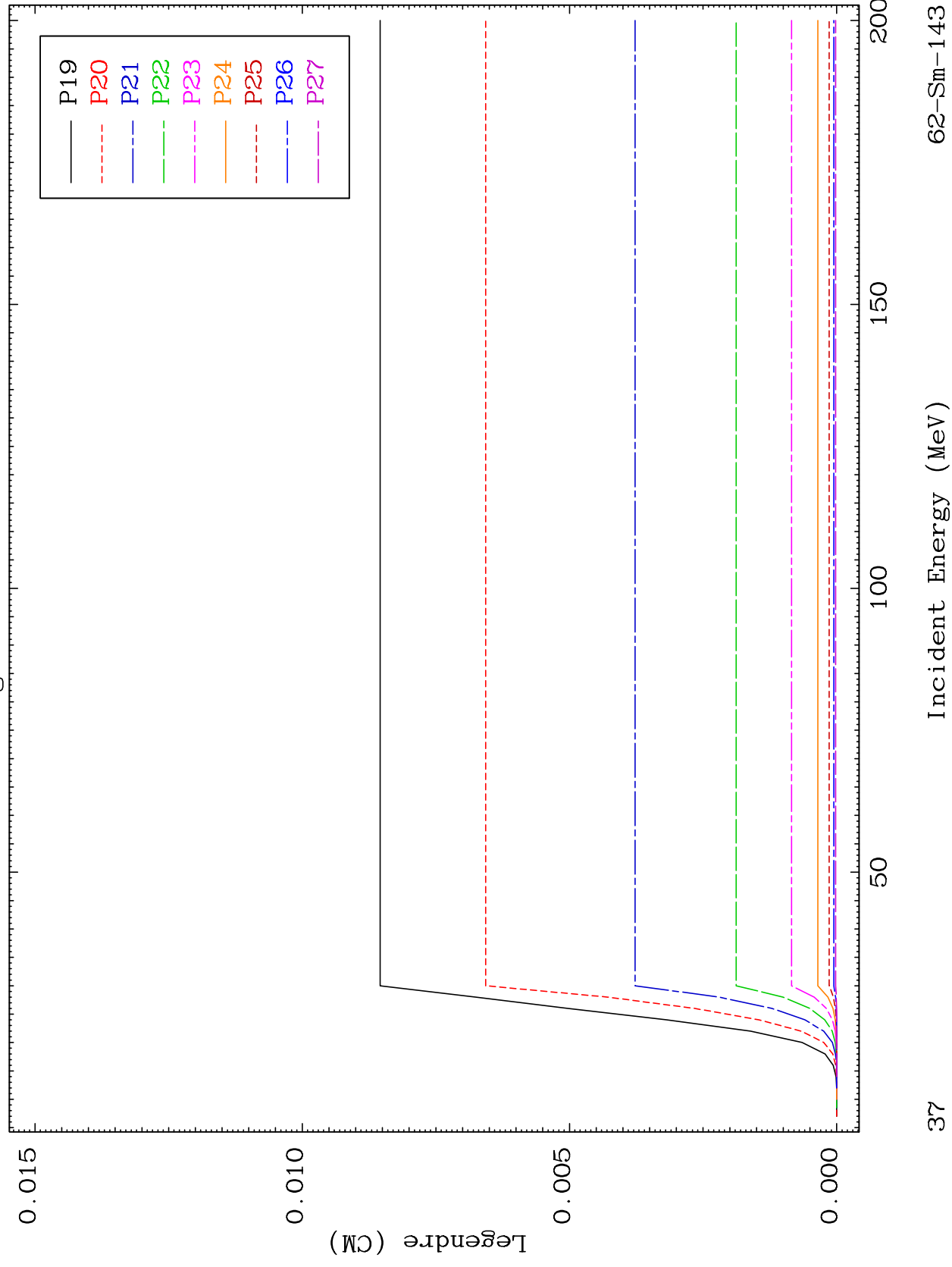
Incident Energy (MeV)

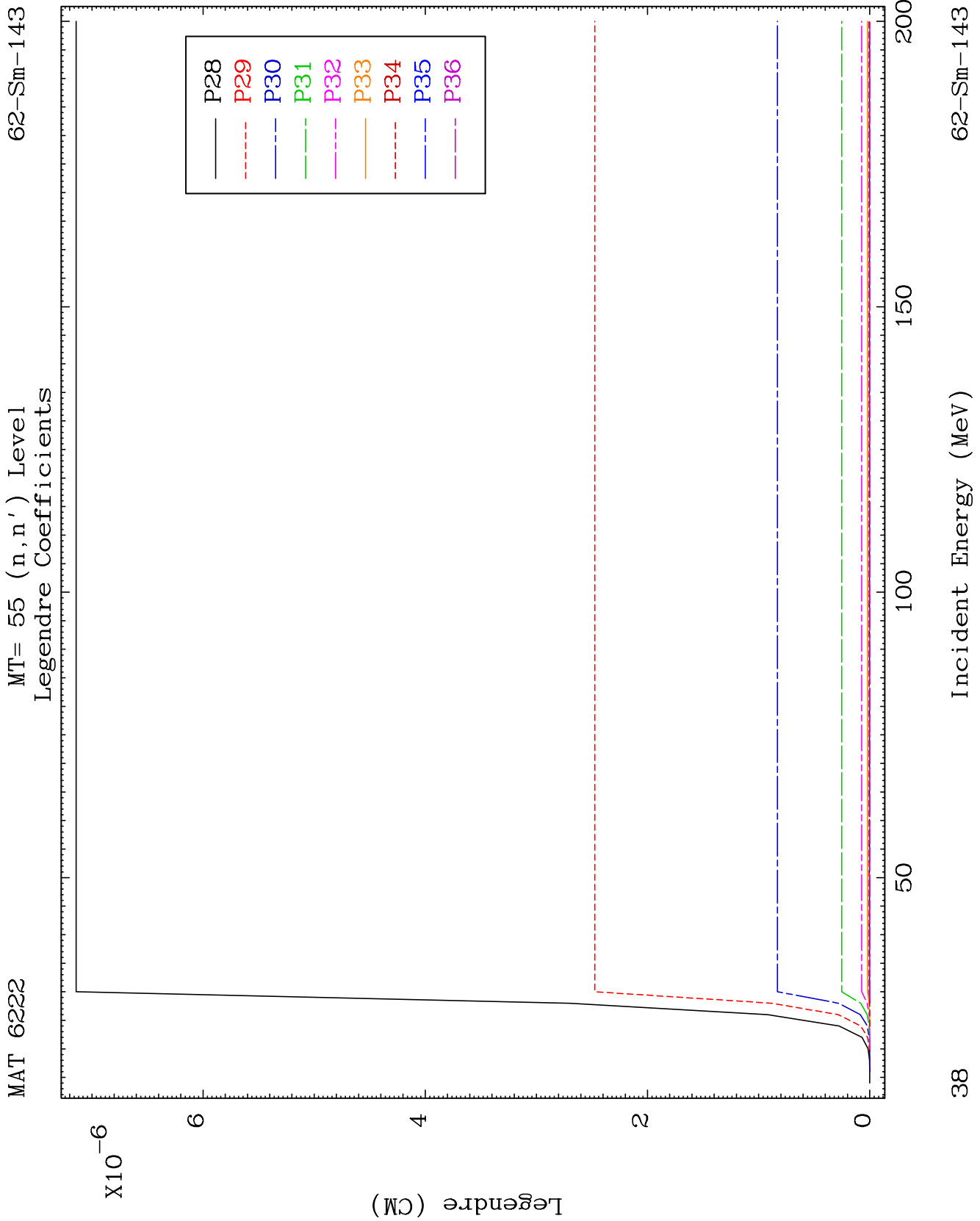
62-Sm-143

MAT 6222

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

62-Sm-143

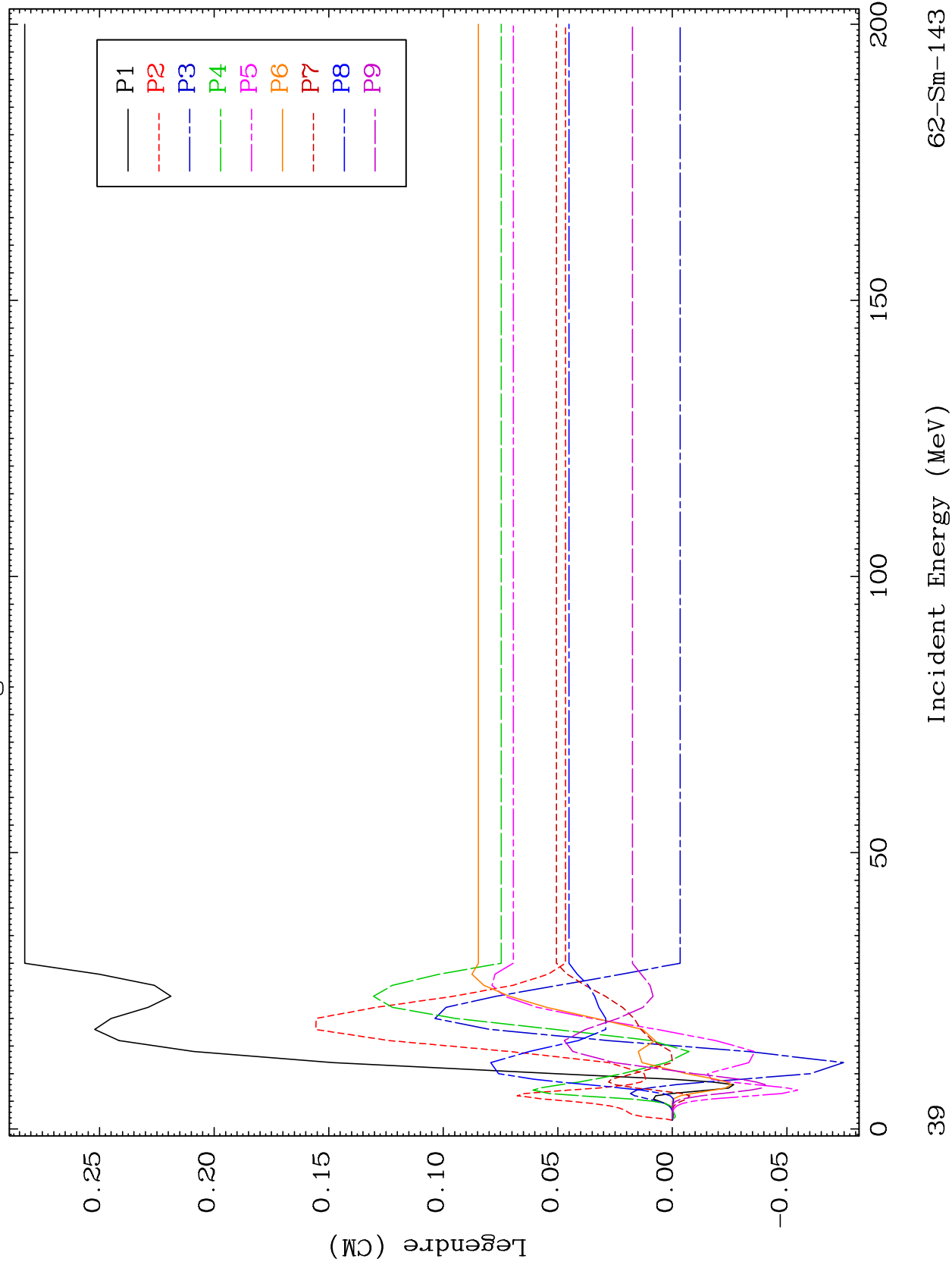


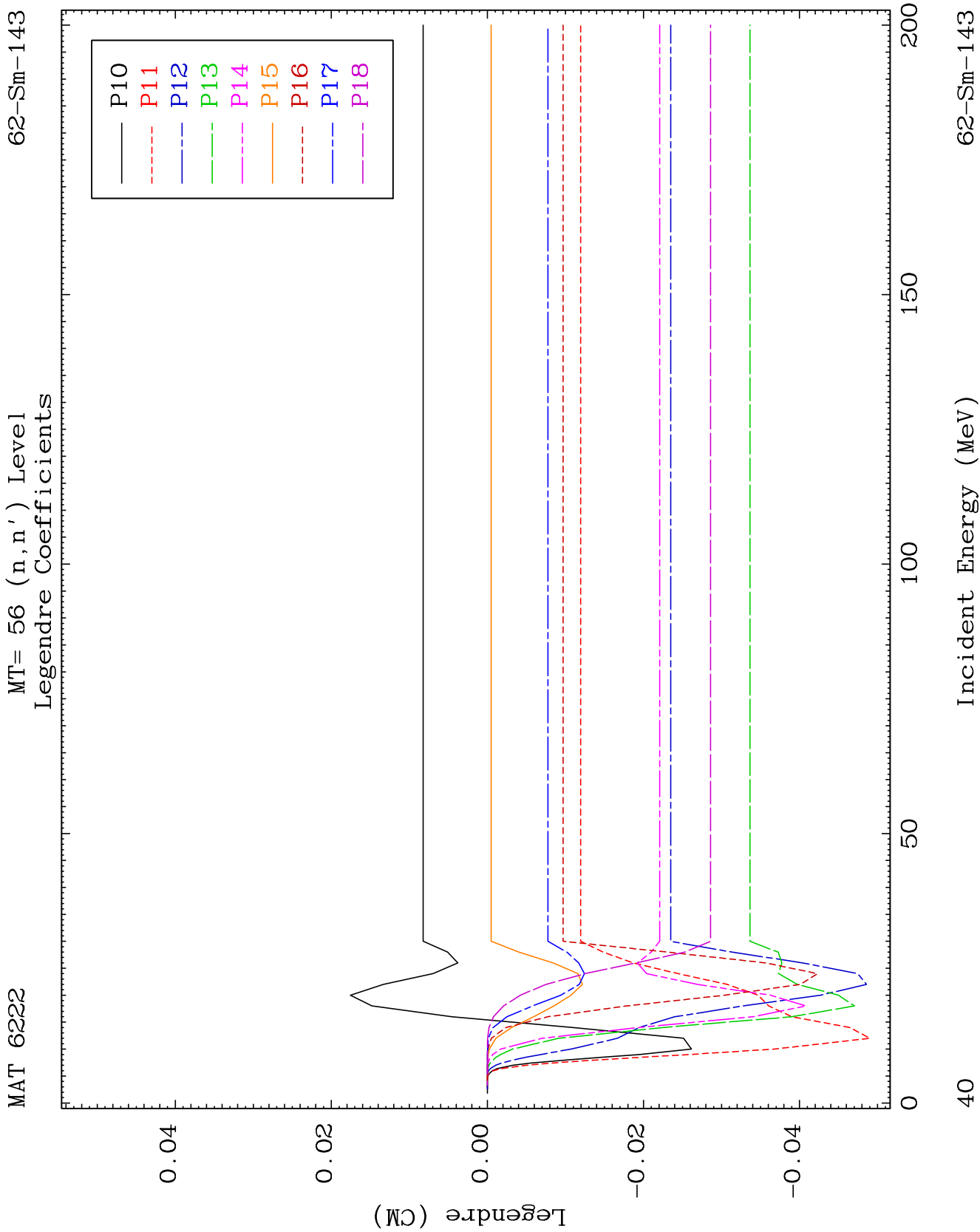


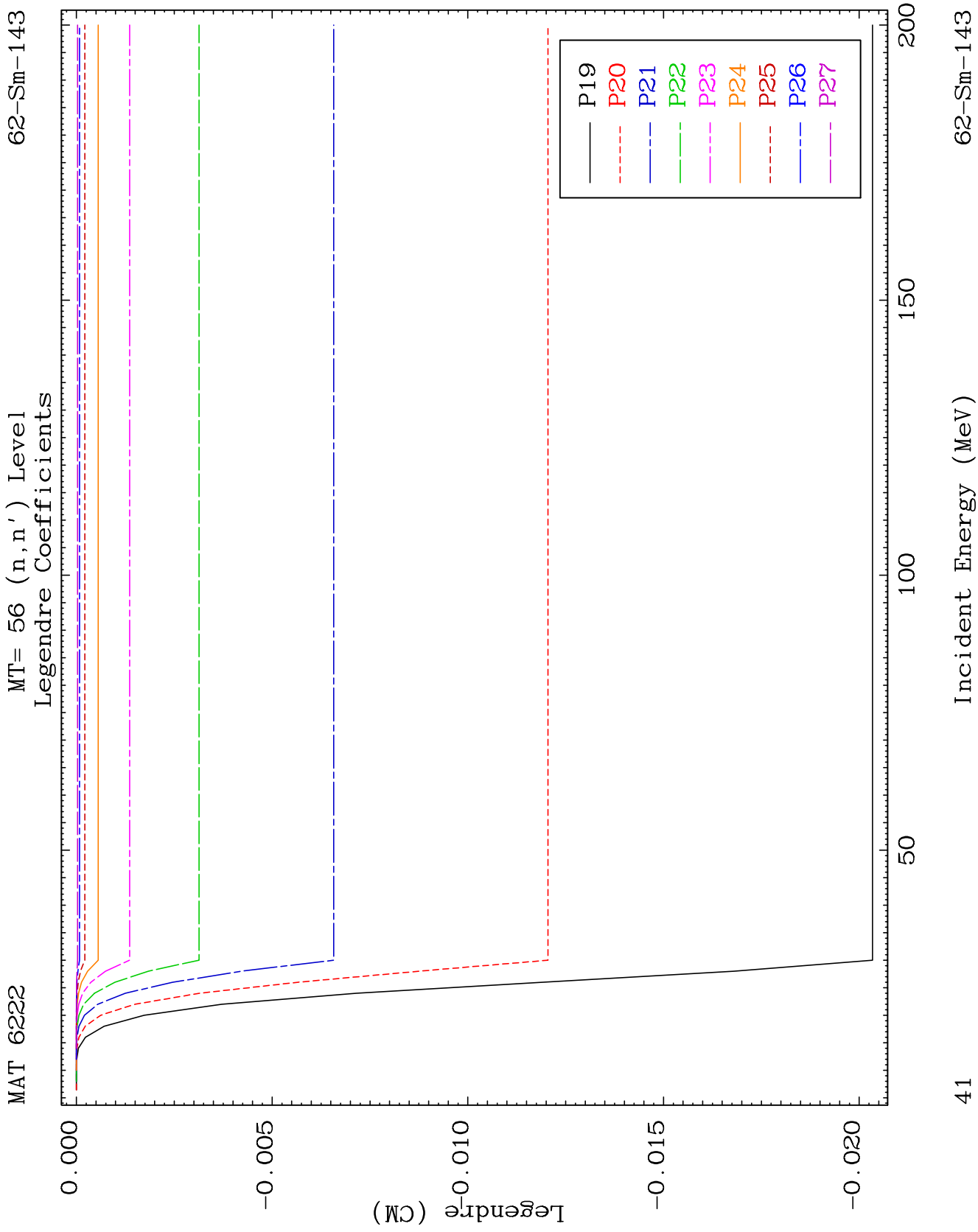
MAT 6222

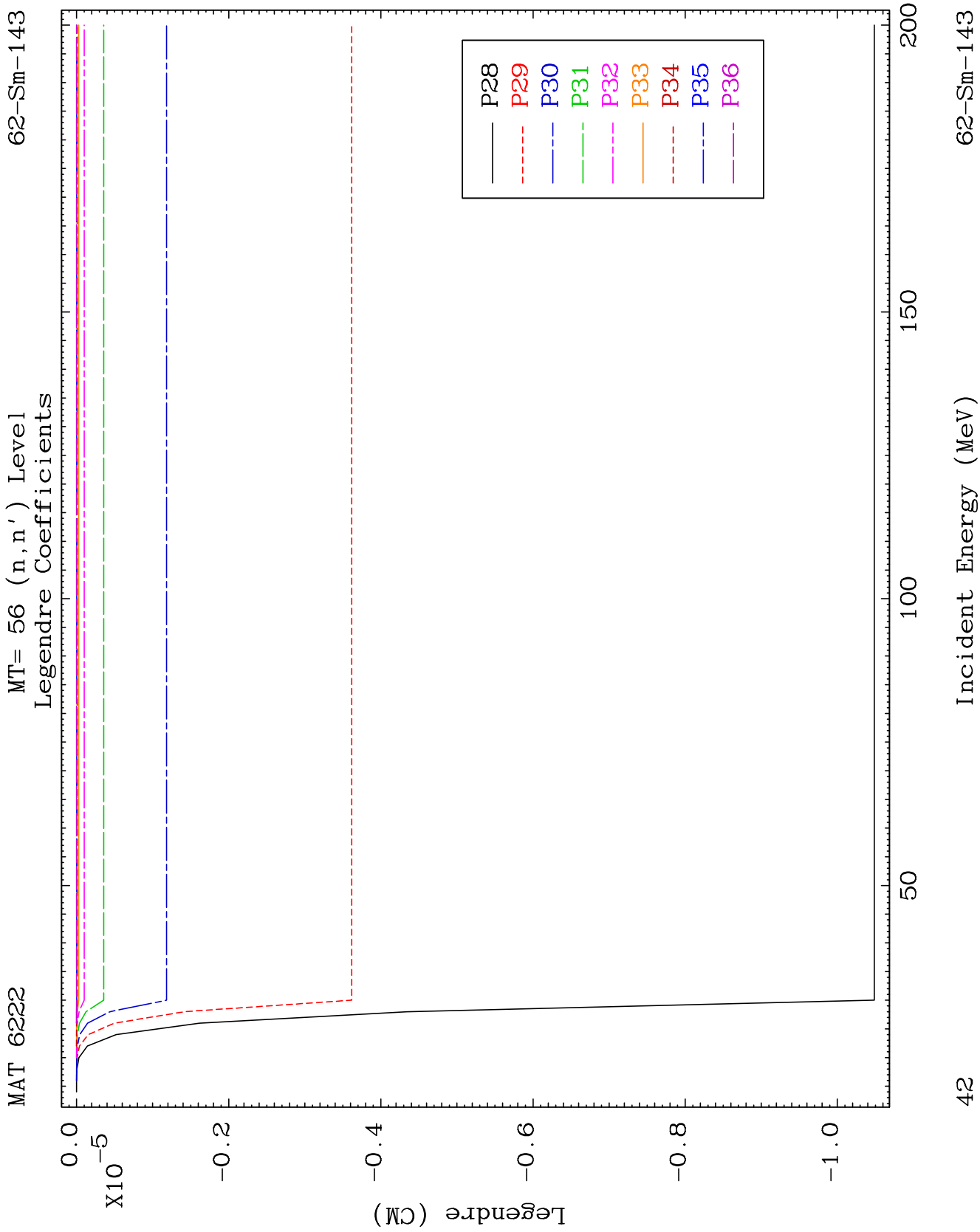
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Legendre Coefficients

62-Sm-143





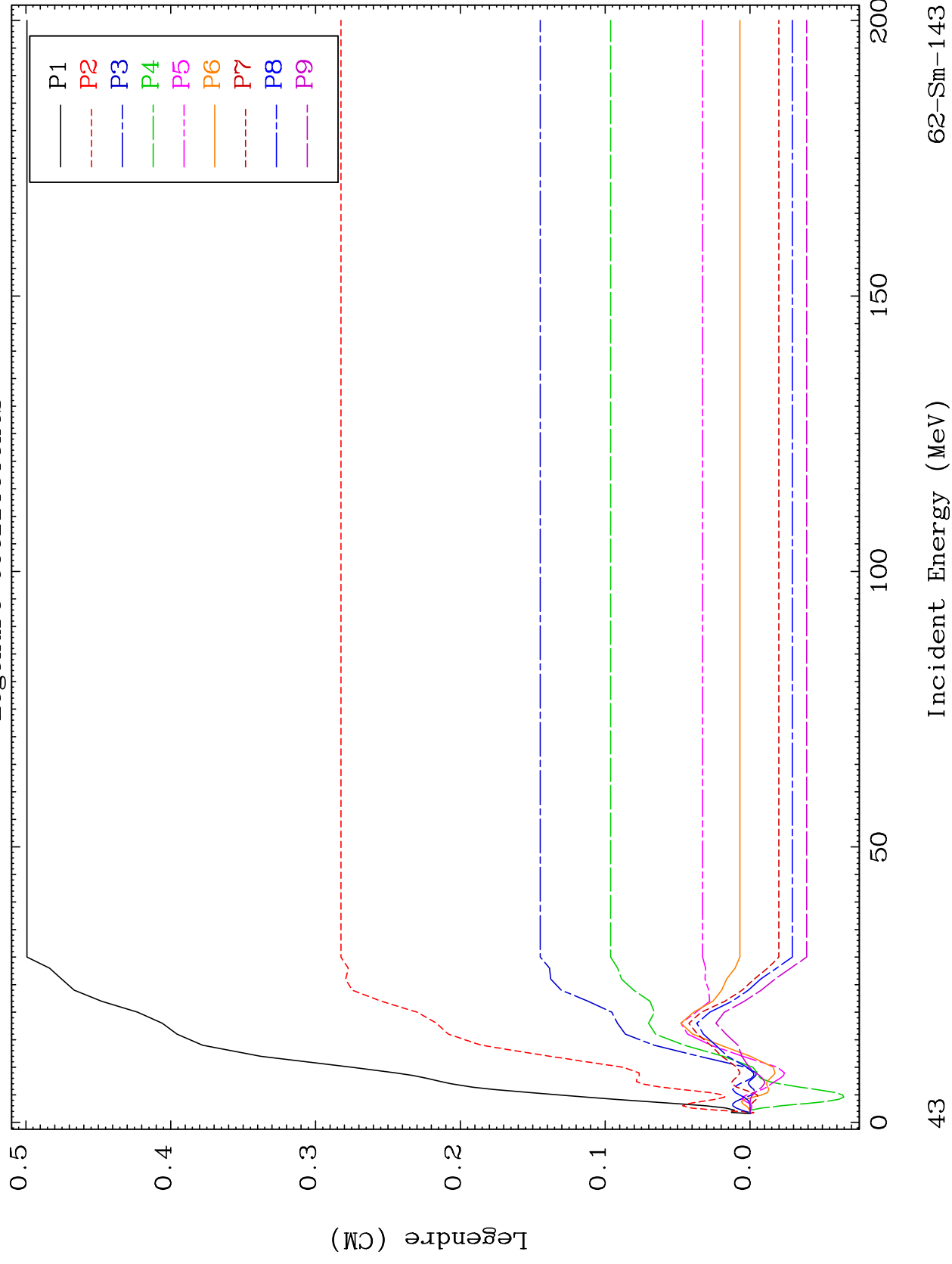




MAT 6222

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

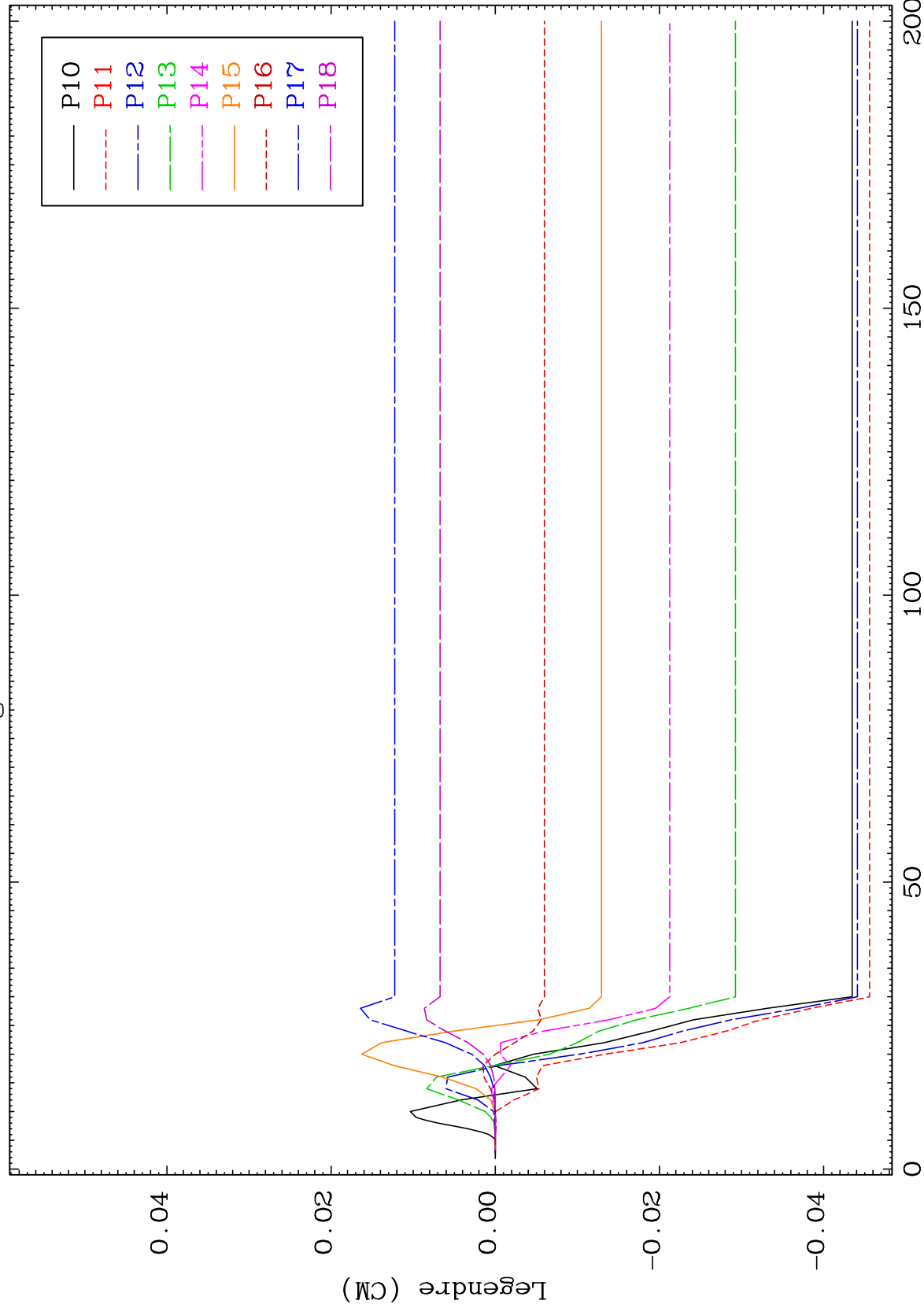
62-Sm-143



MAT 6222

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

62-Sm-143



44

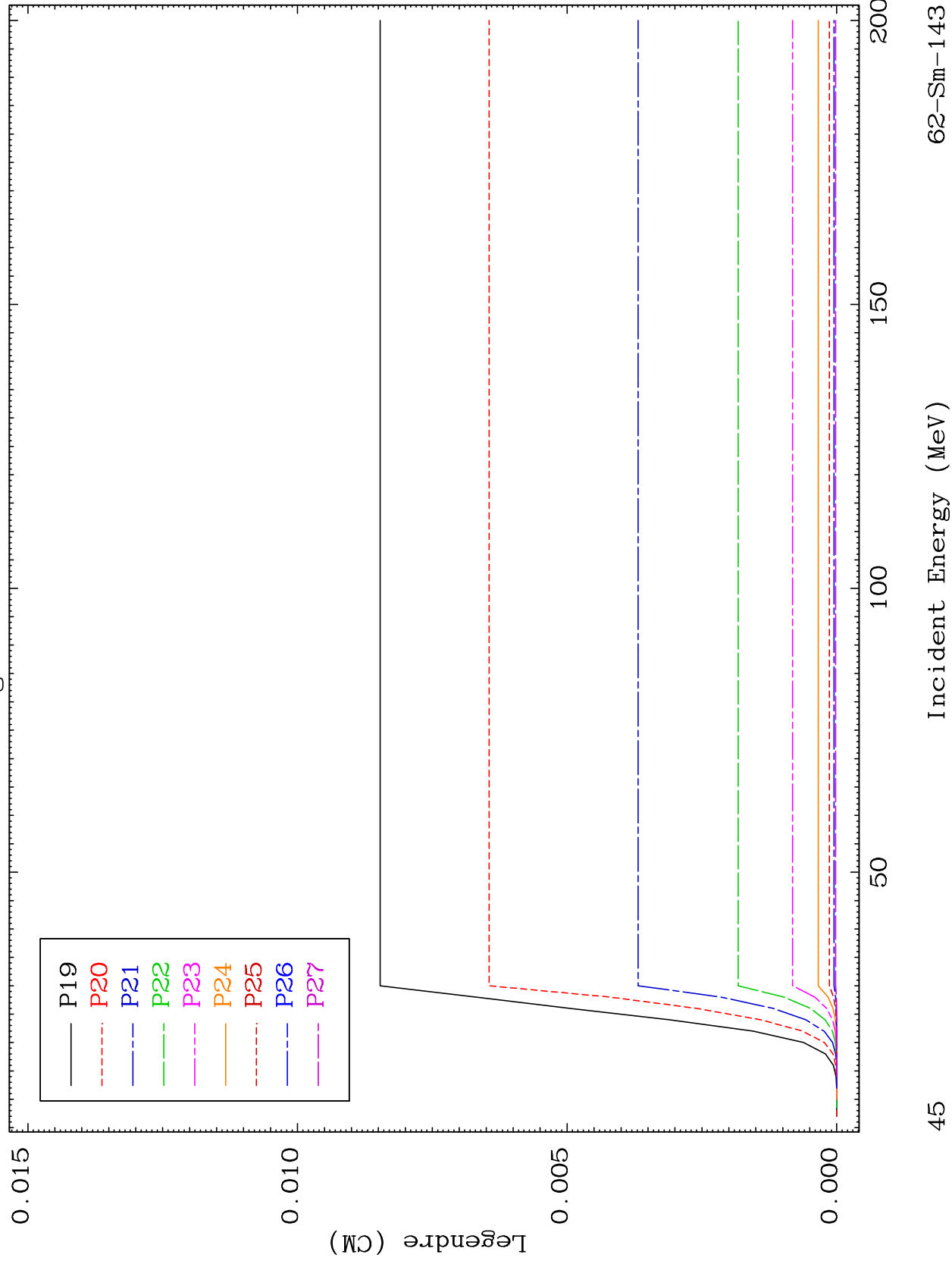
Incident Energy (MeV)

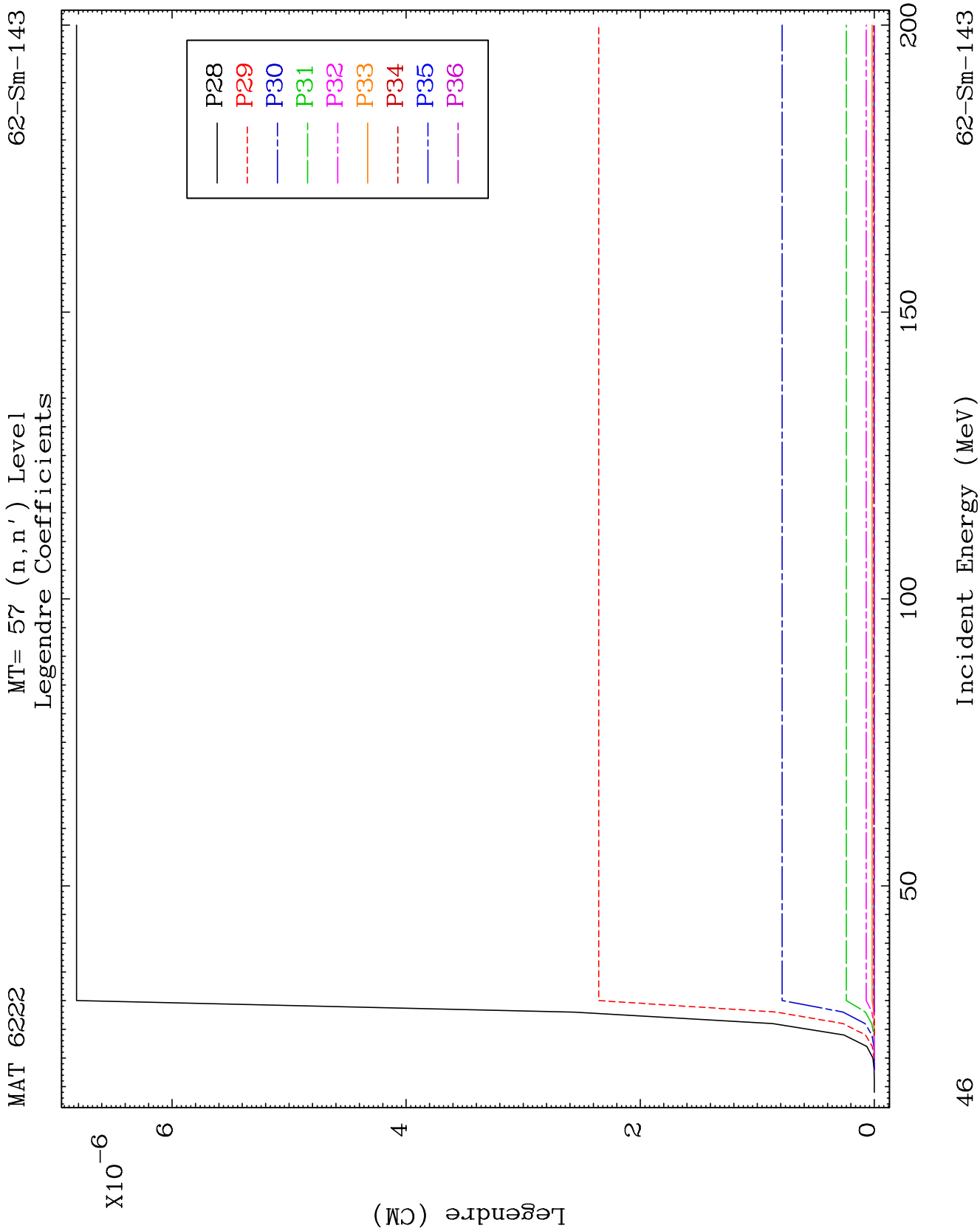
62-Sm-143

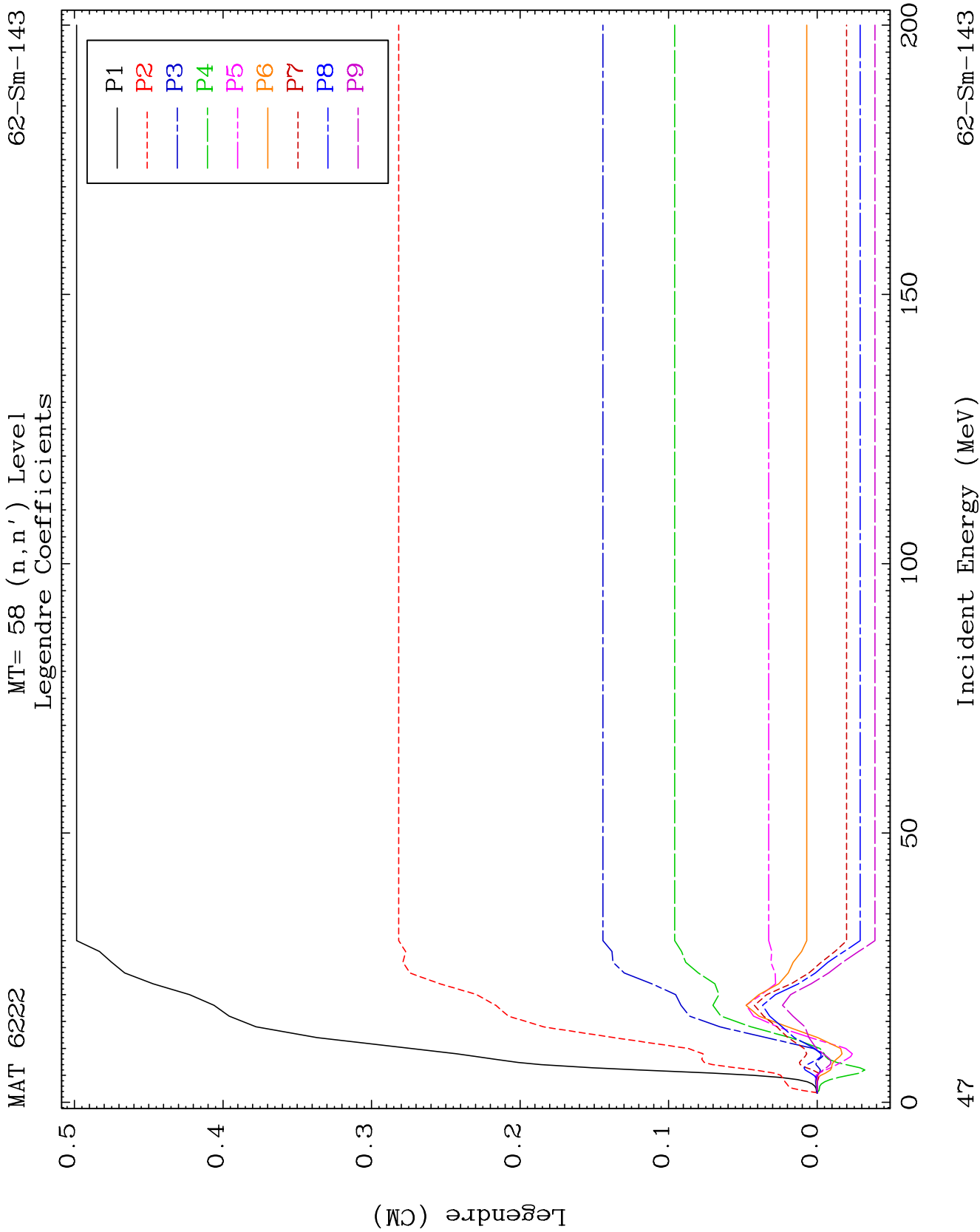
MAT 6222

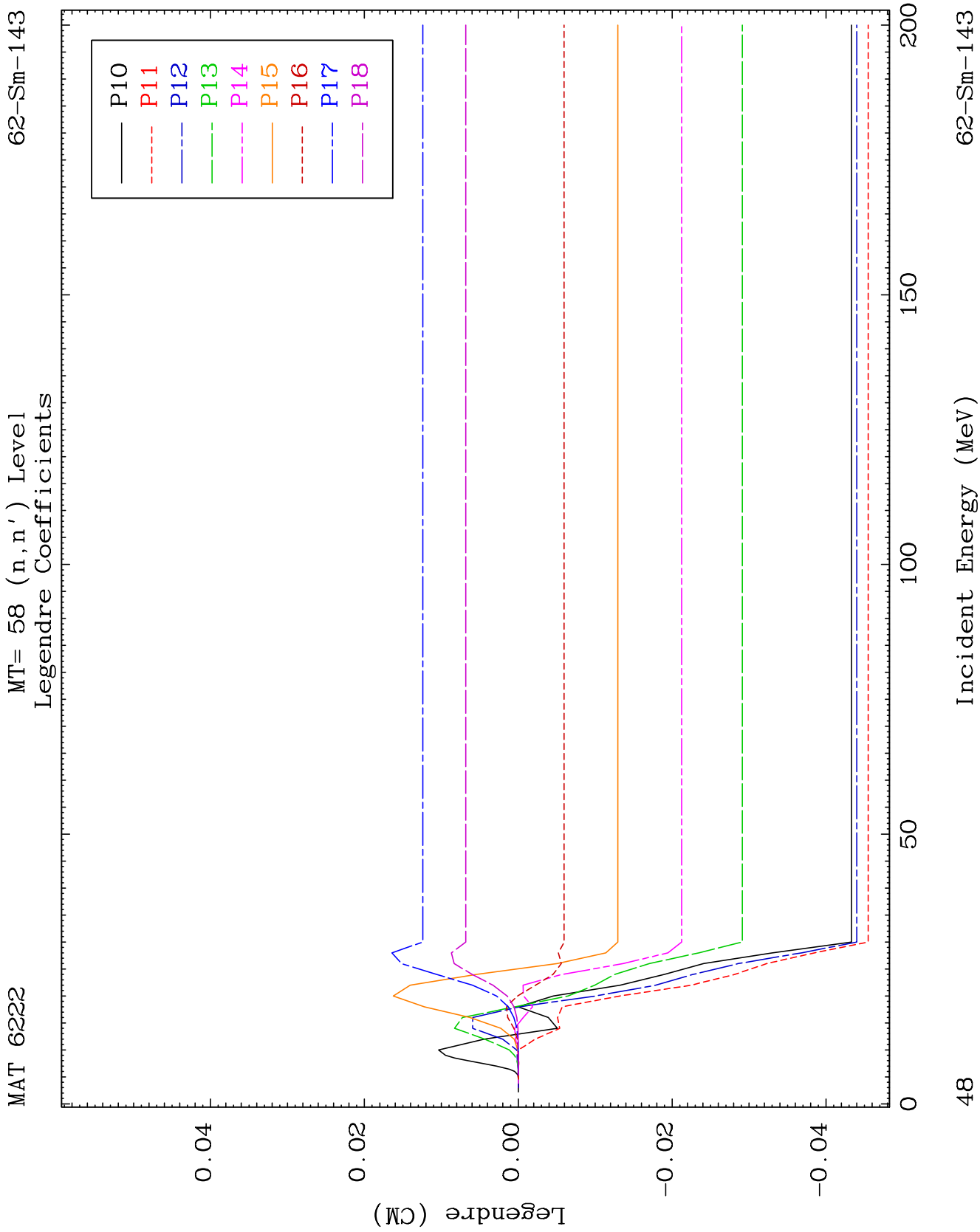
MT= 57 (n, n') Level
Legendre Coefficients

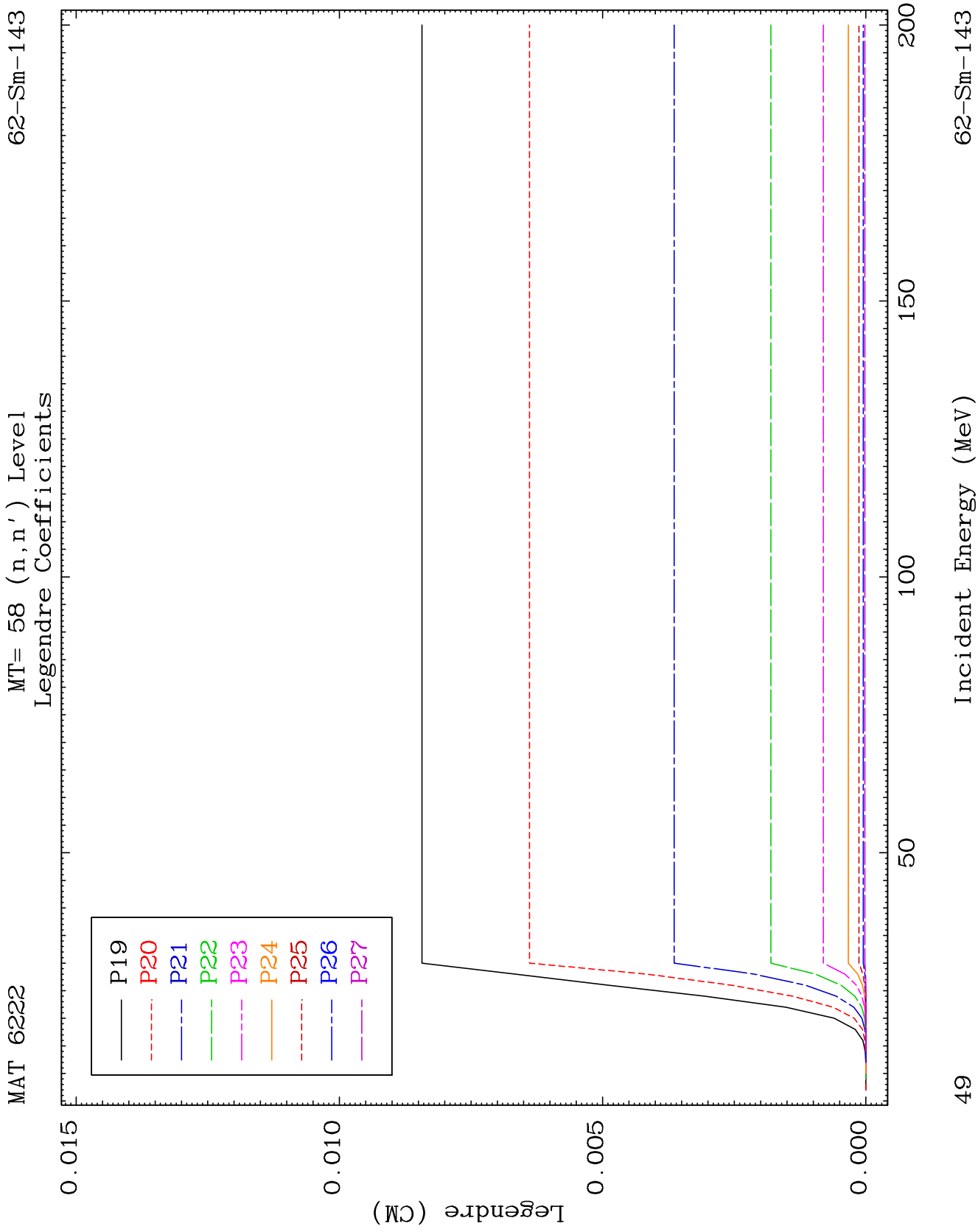
62-Sm-143







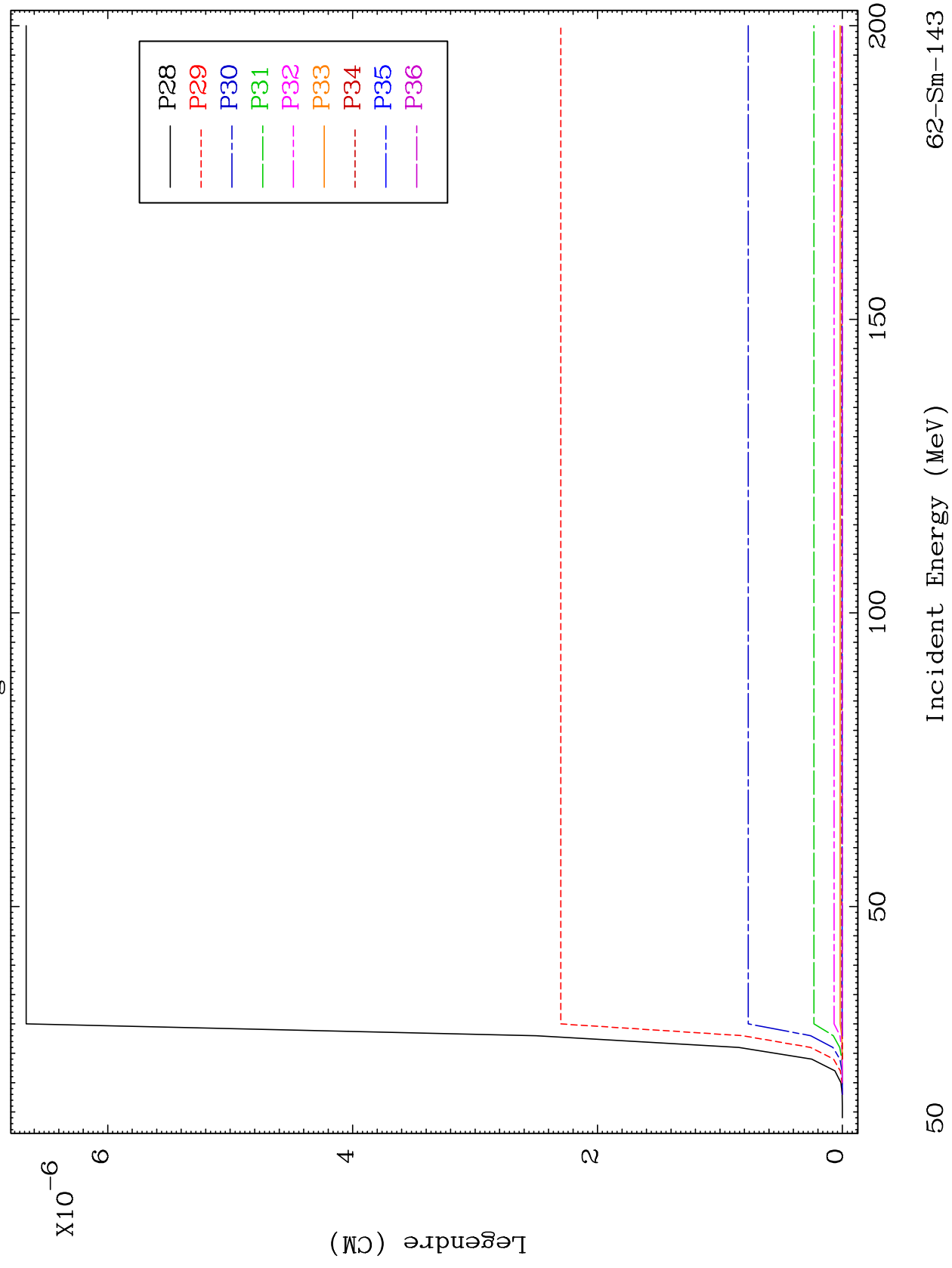




MAT 6222

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

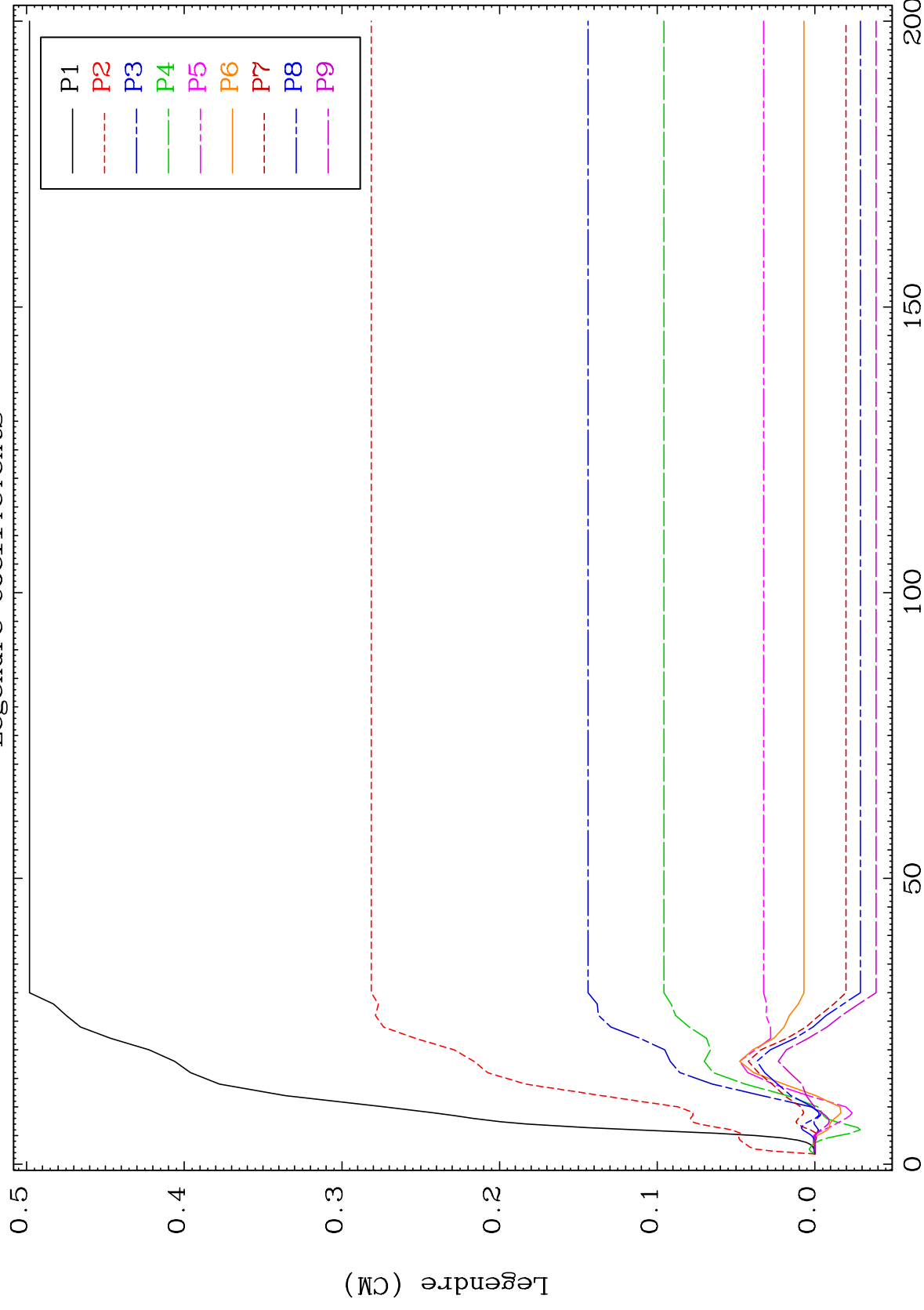
62-Sm-143



MAT 6222

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

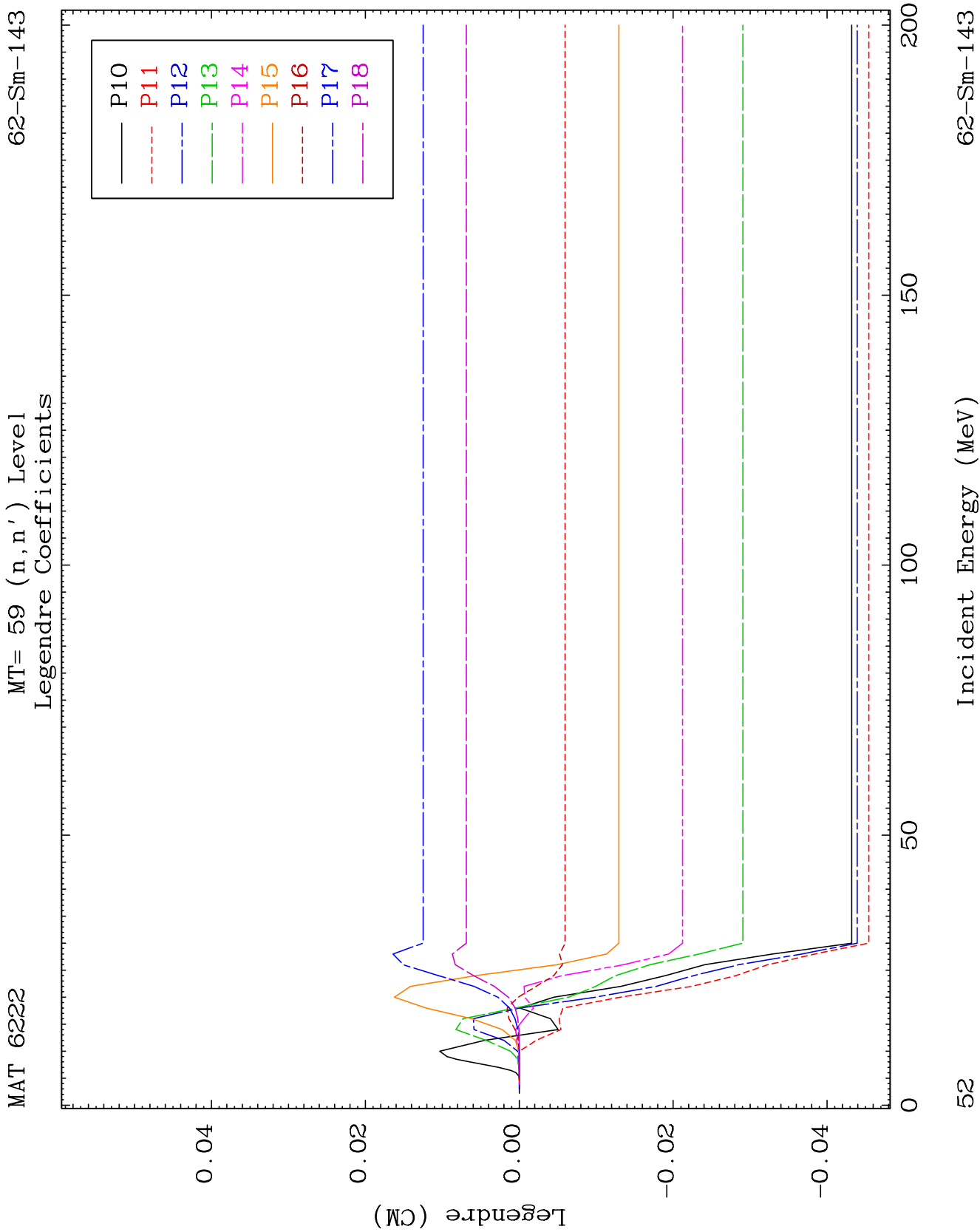
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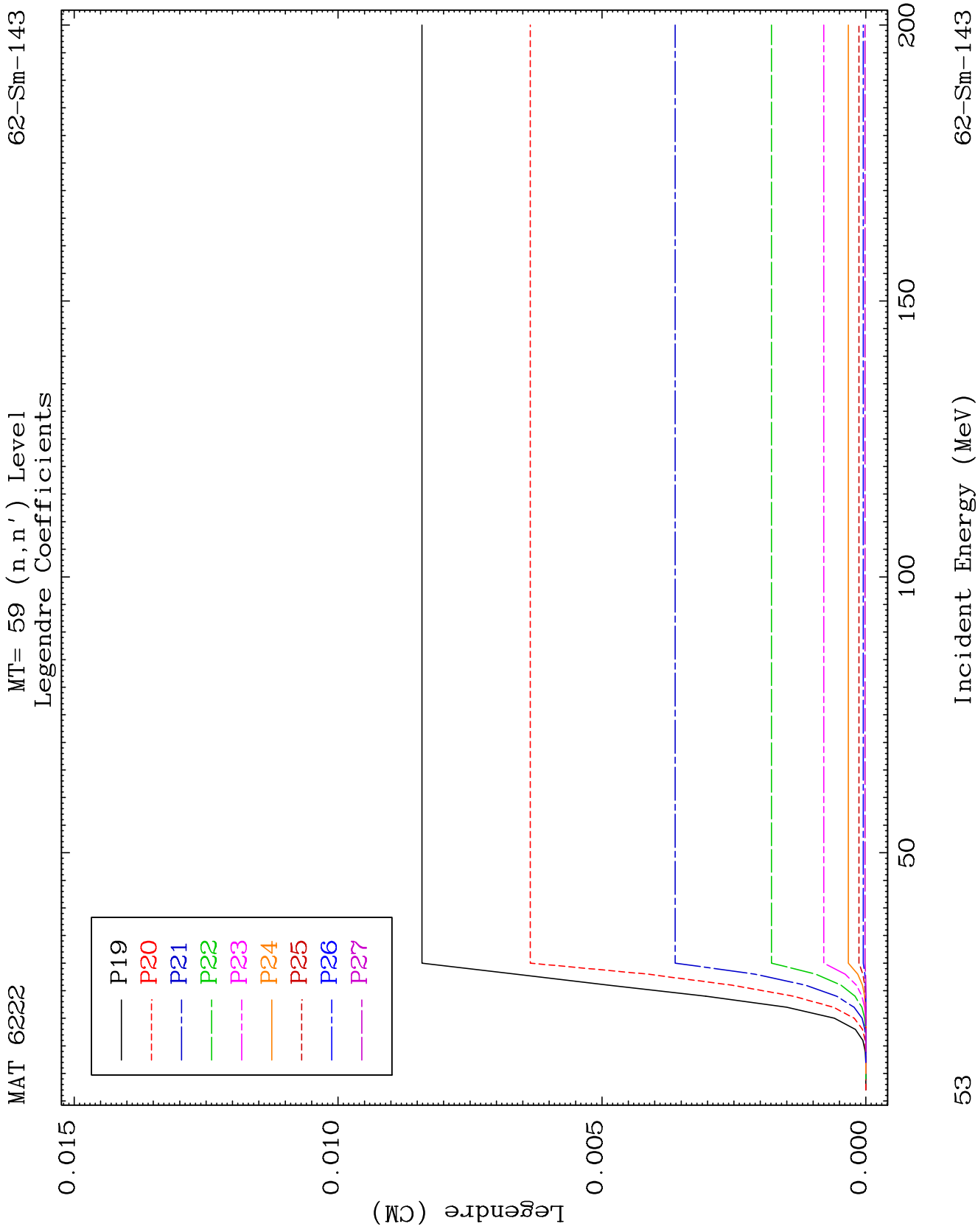


51

Incident Energy (MeV)

62-Sm-143

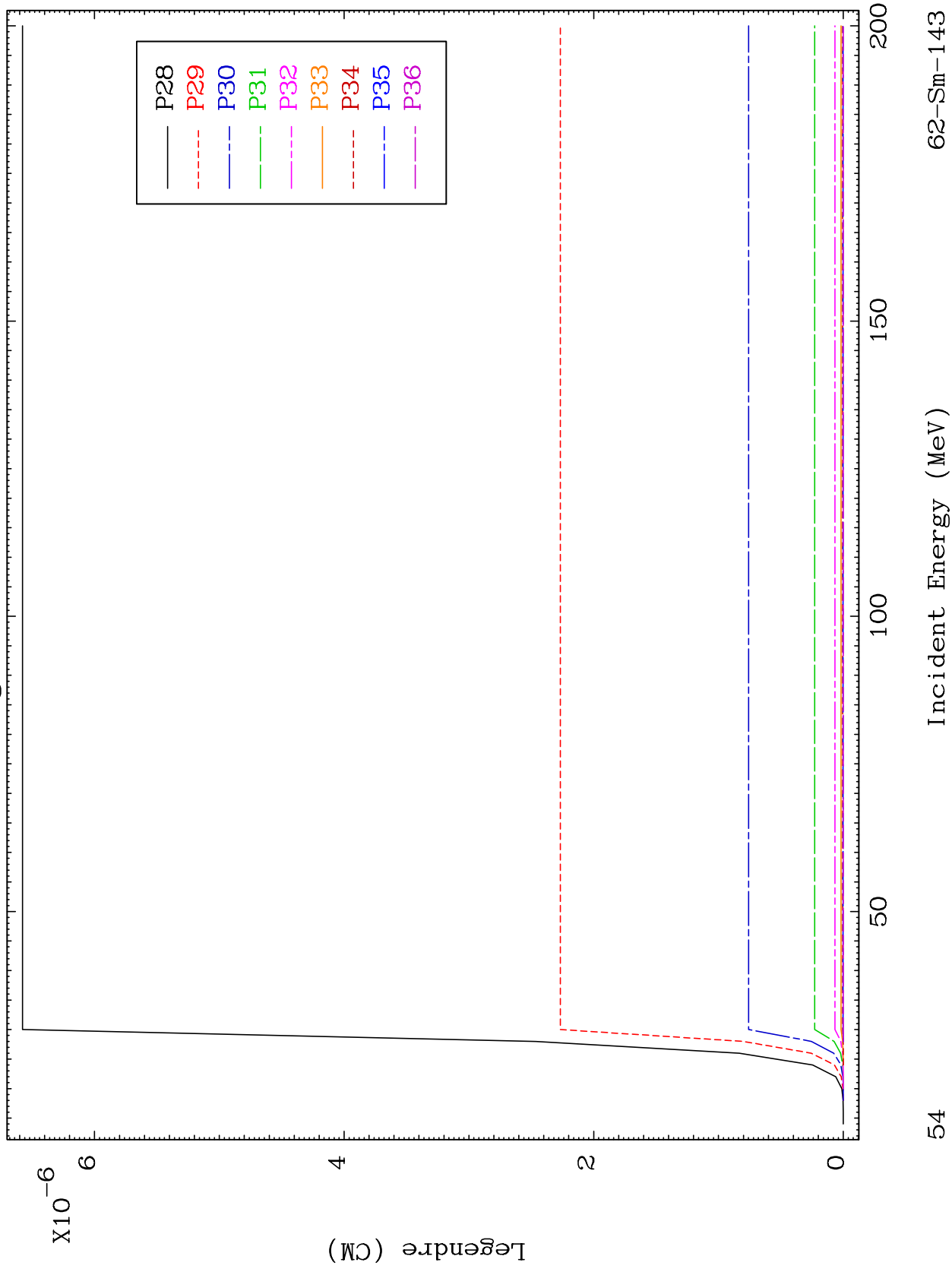




MAT 6222

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

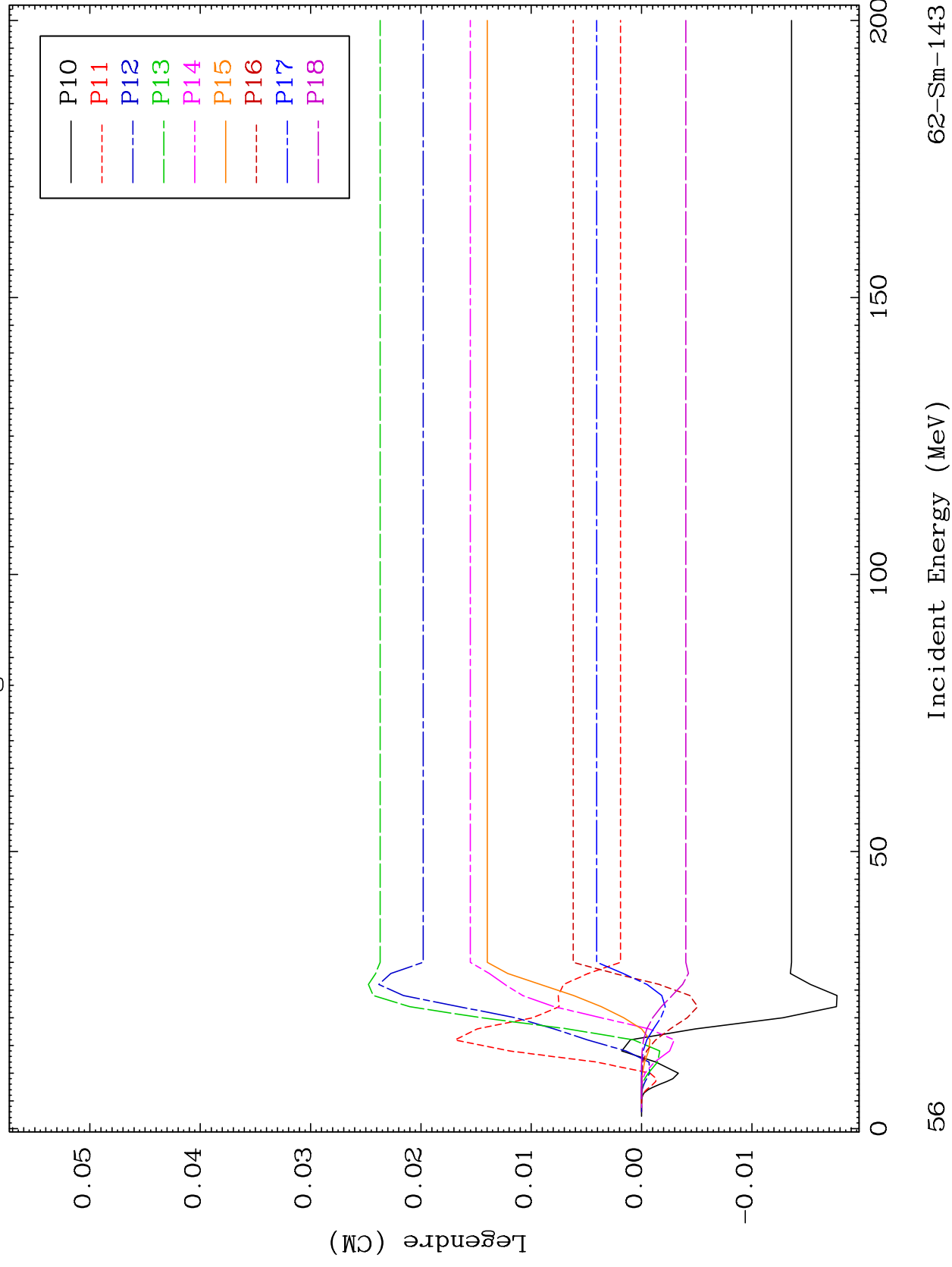
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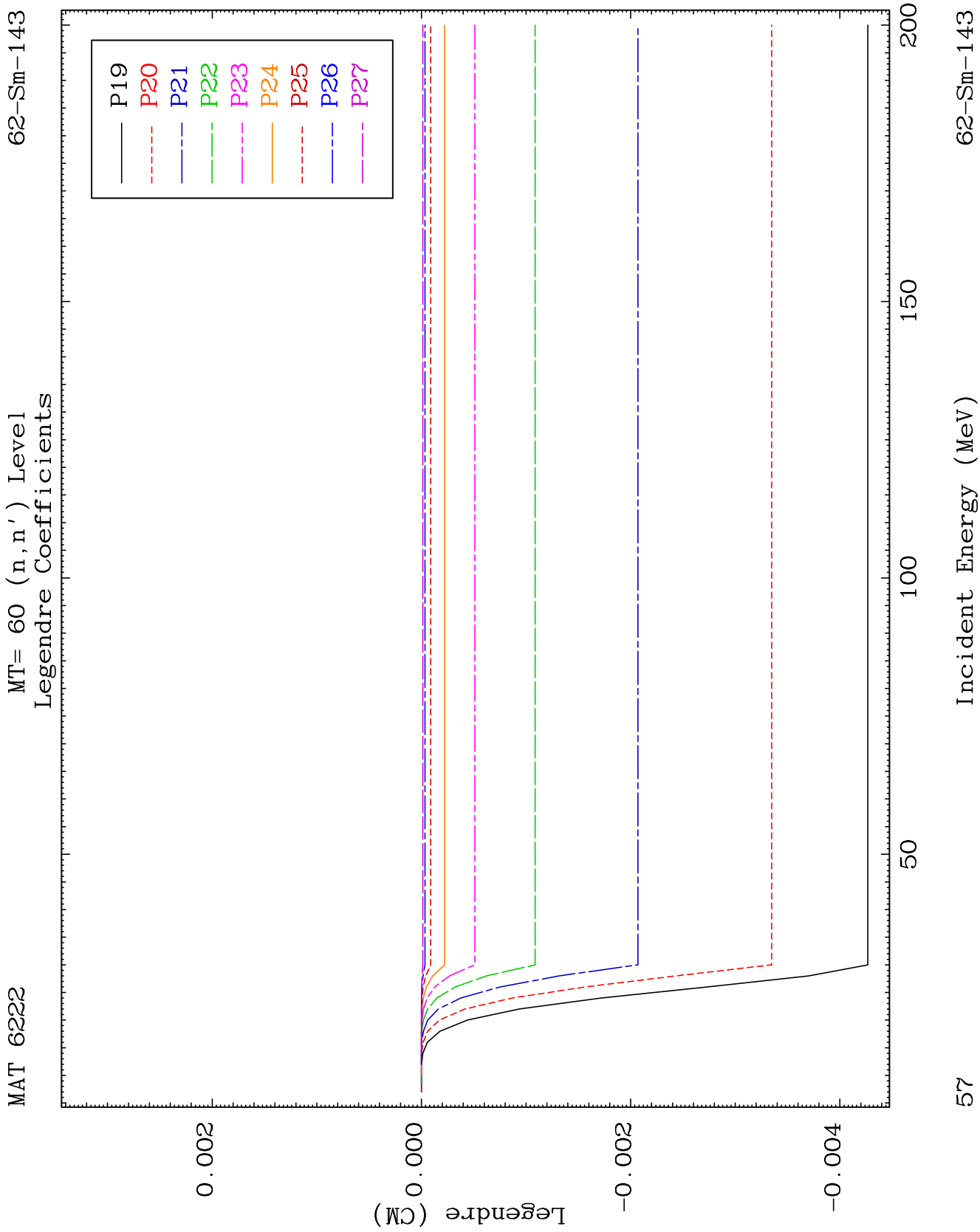


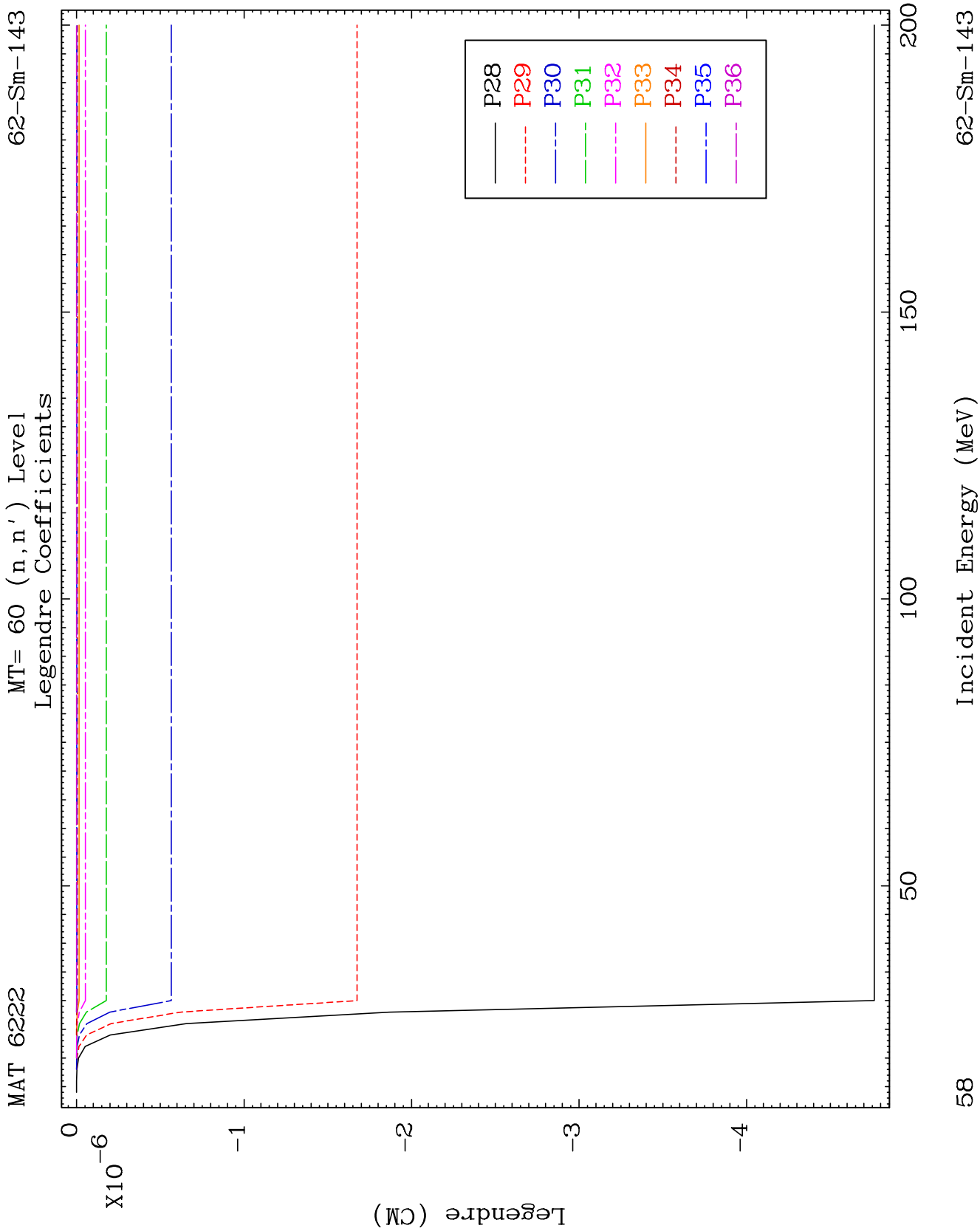
MAT 6222

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

62-Sm-143



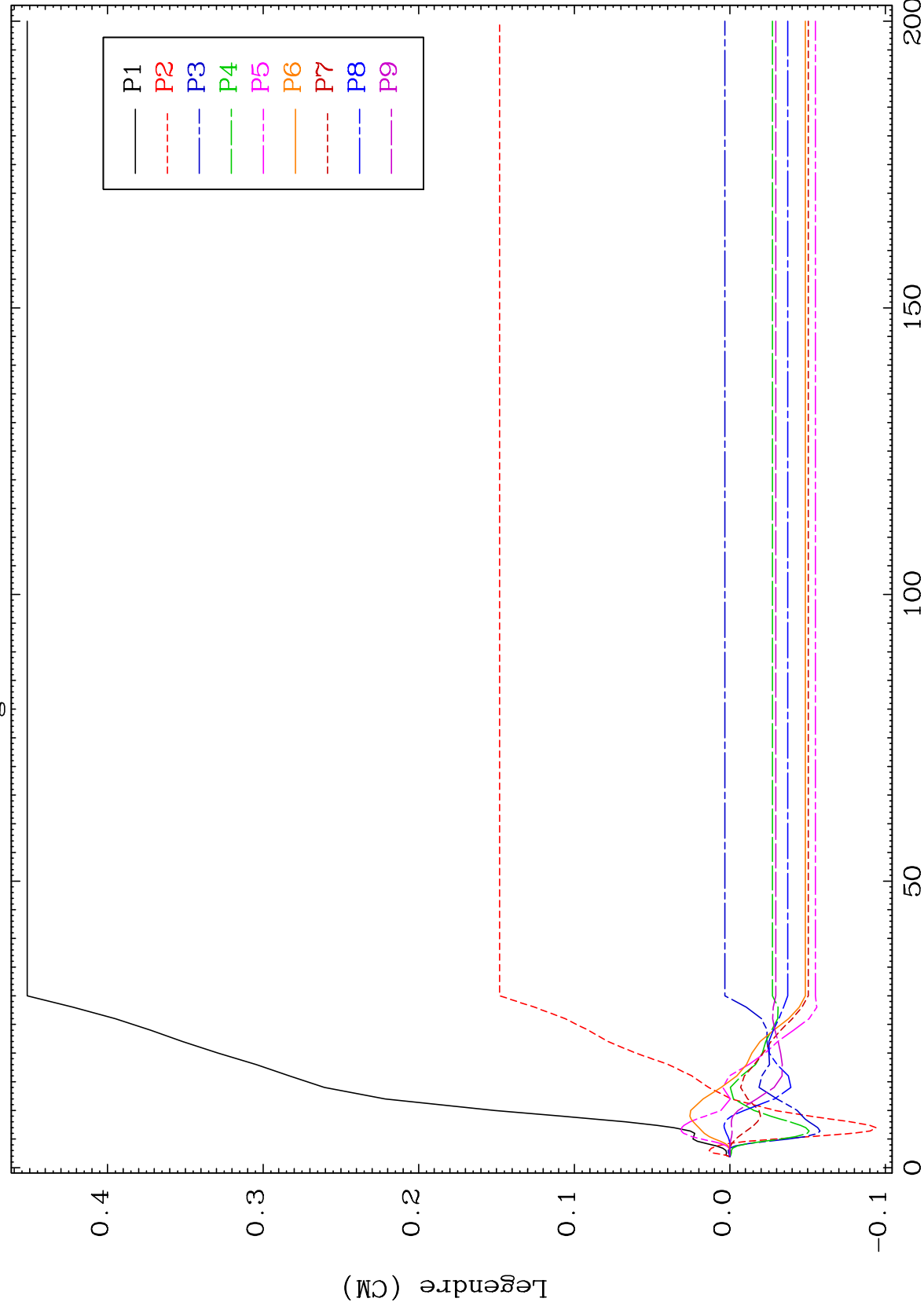




MAT 6222

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

62-Sm-143



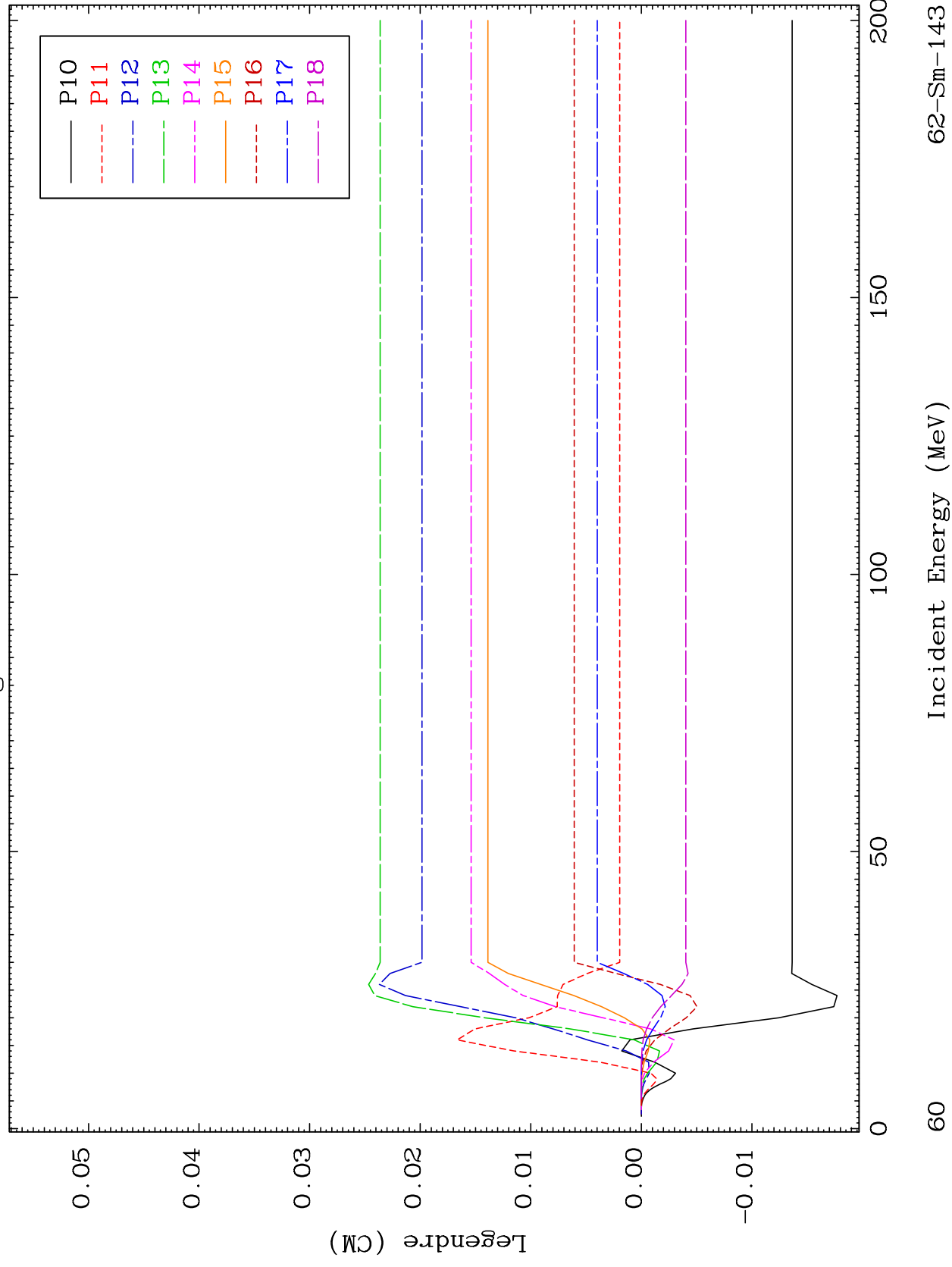
62-Sm-143

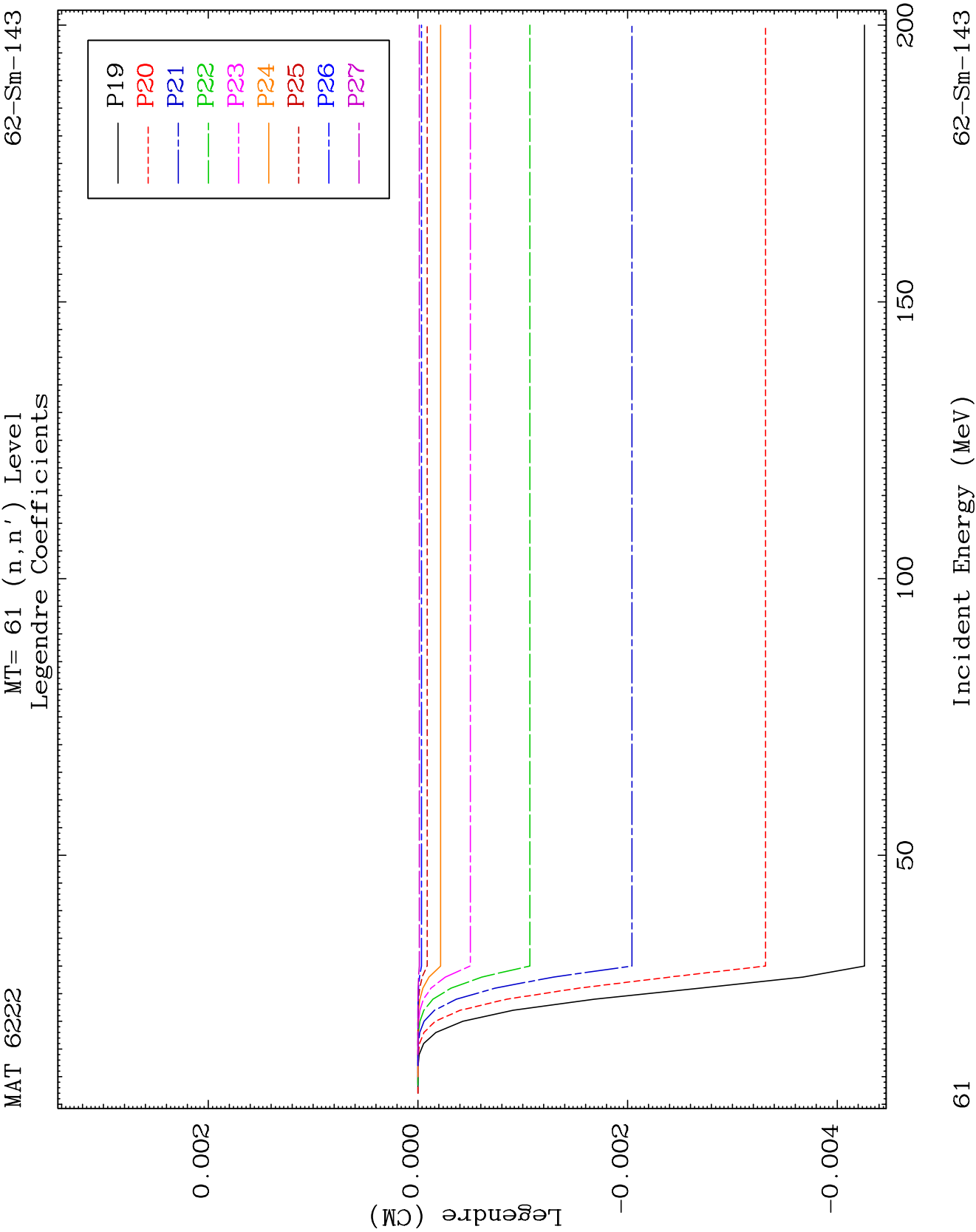
Incident Energy (MeV)

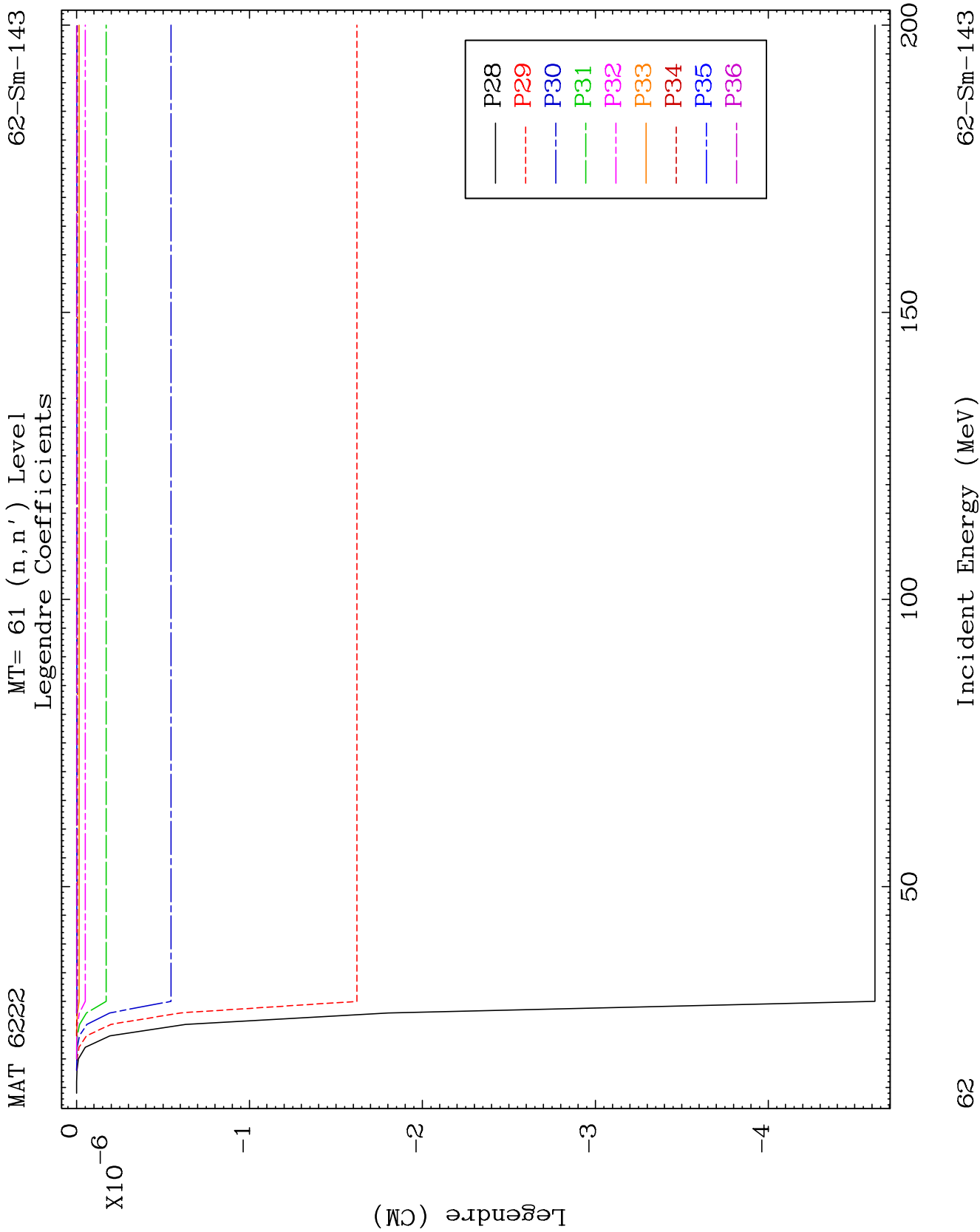
MAT 6222

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

62-Sm-143



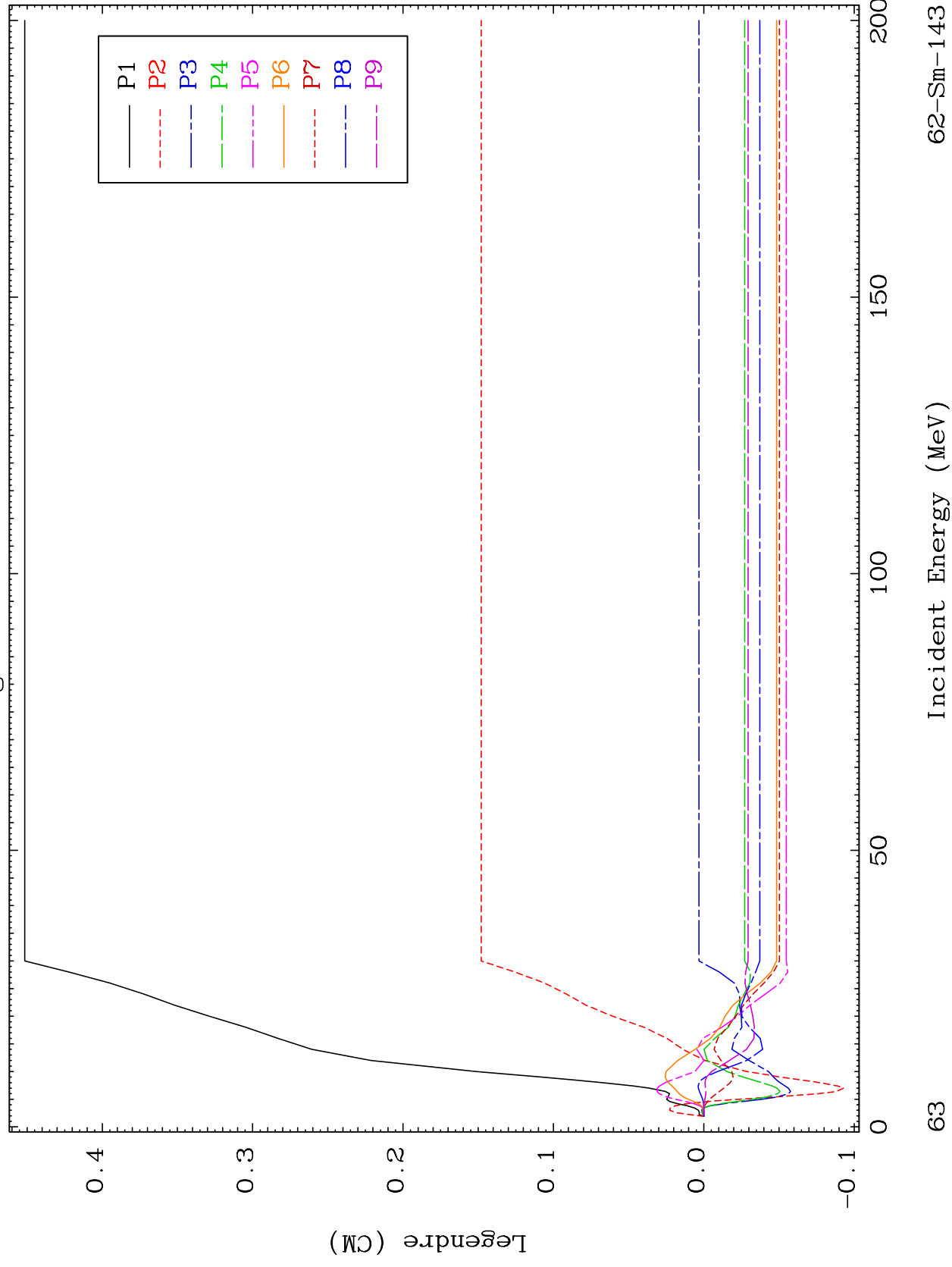


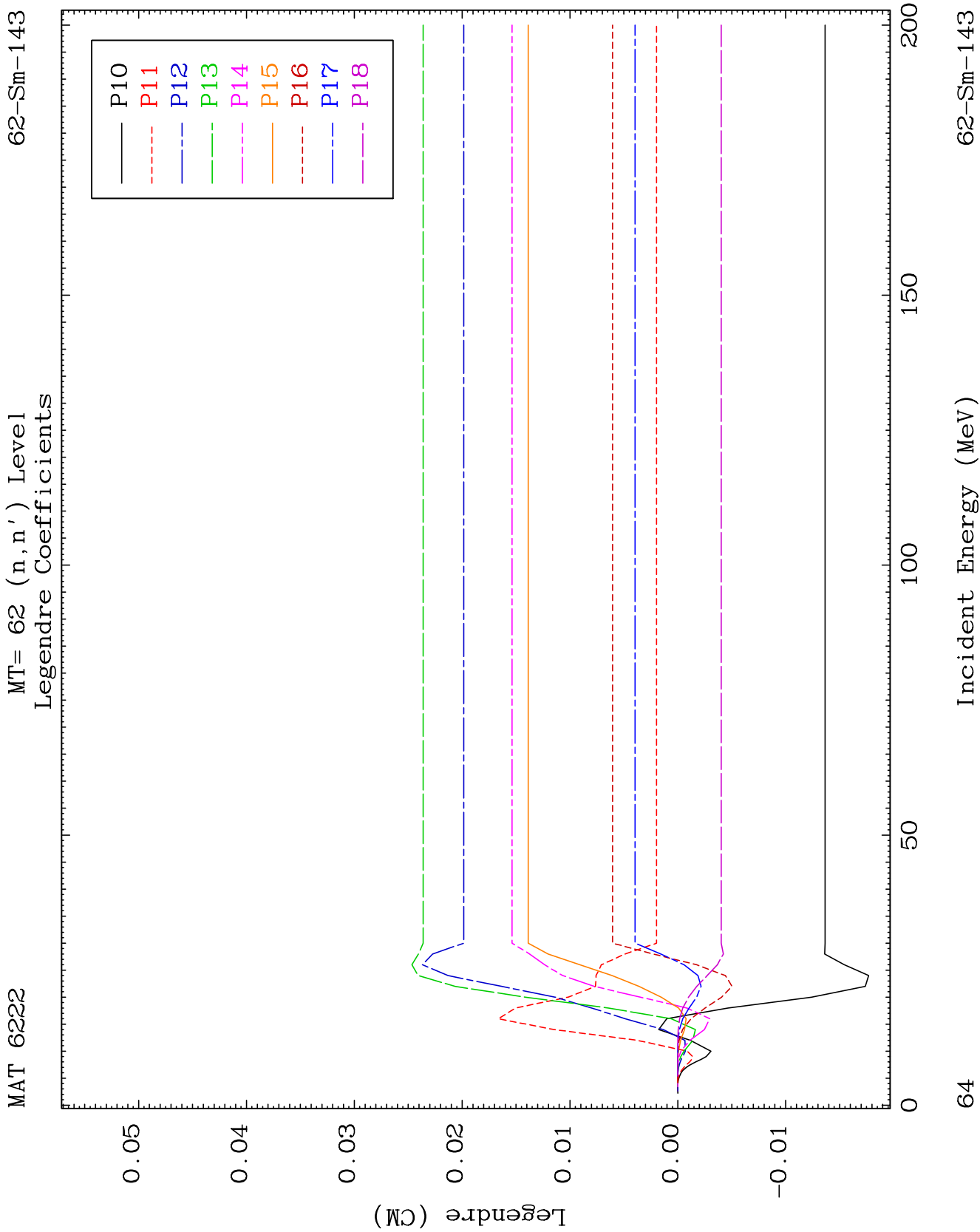


MAT 6222

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

62-Sm-143

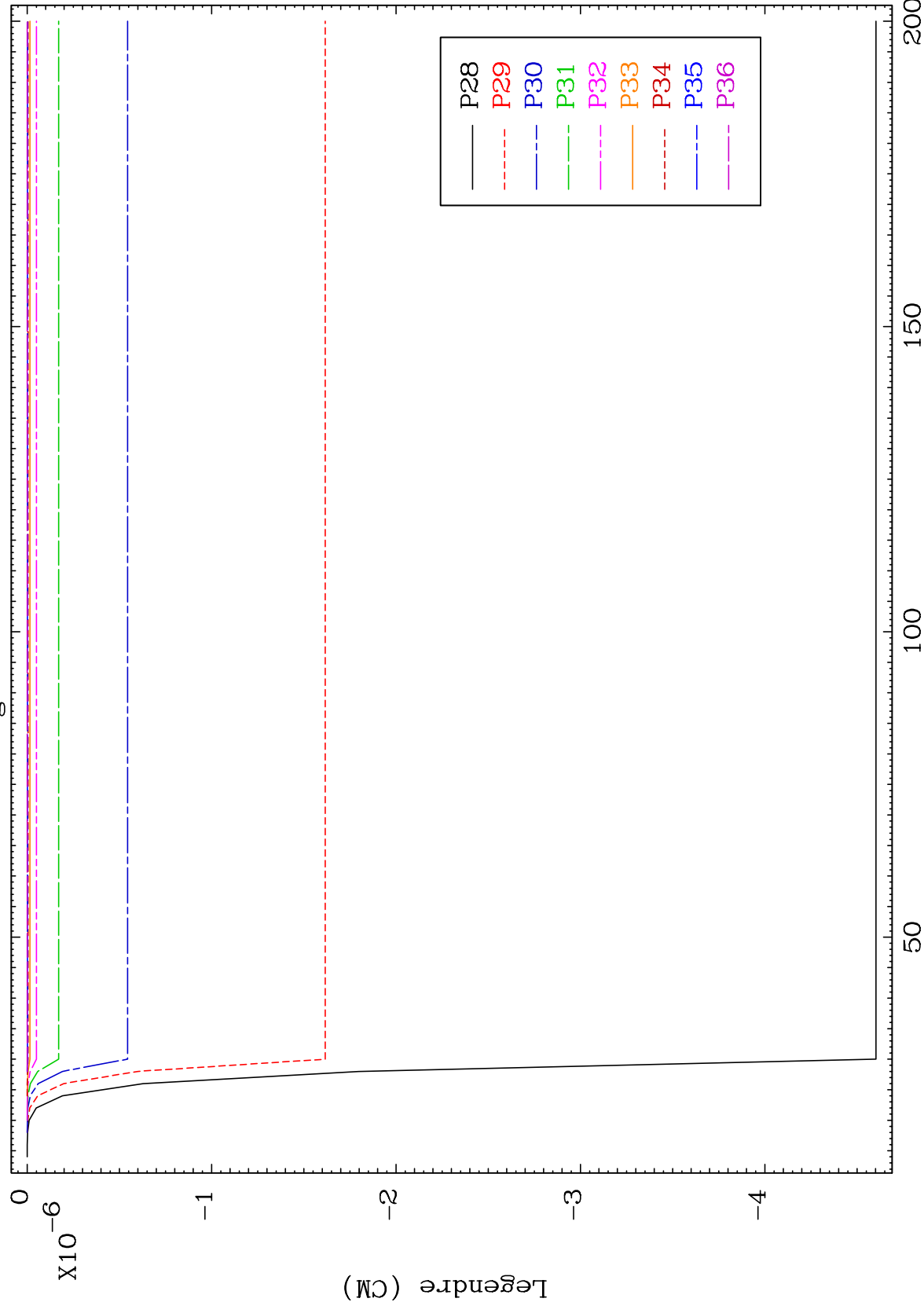




MAT 6222

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

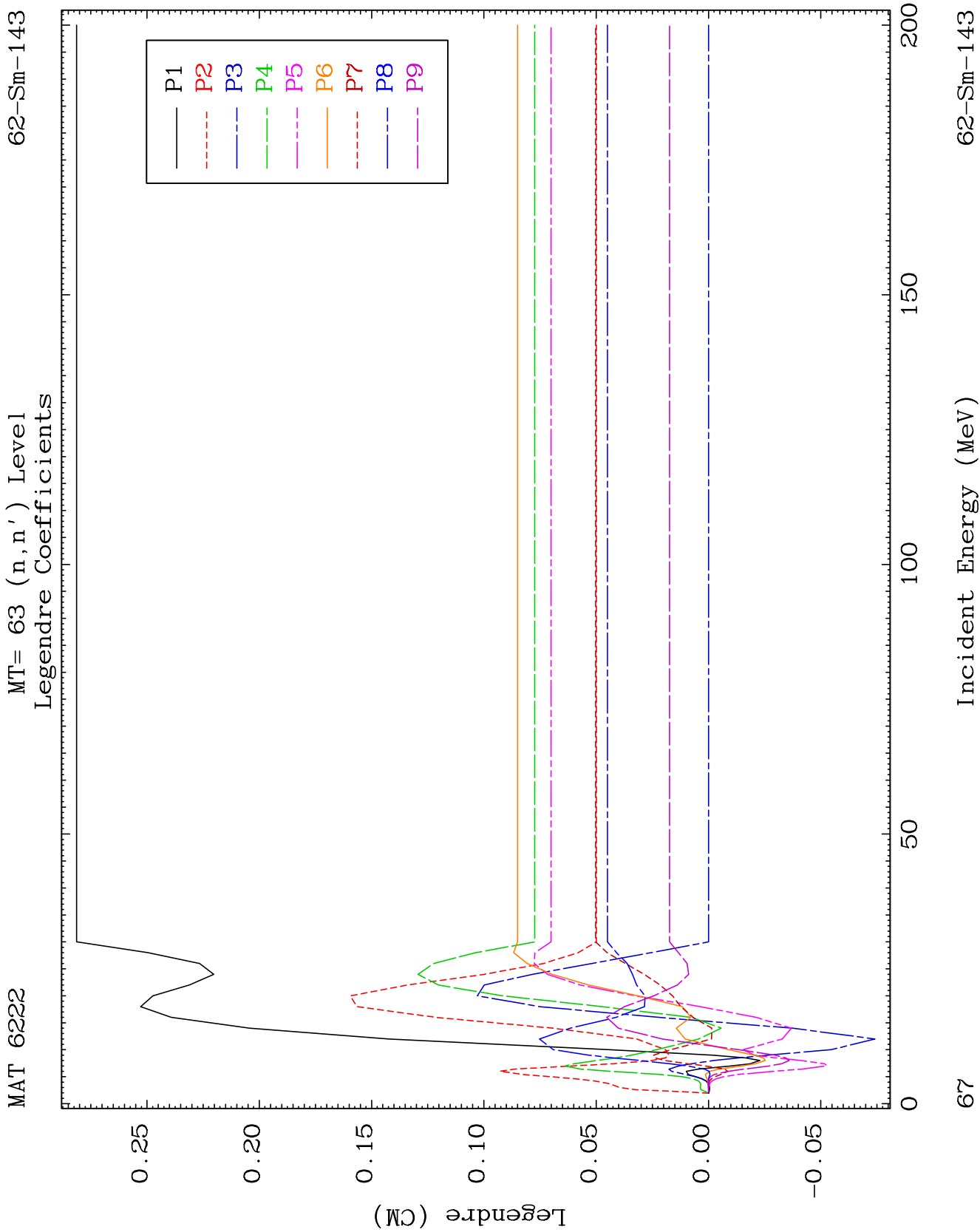
62-Sm-143



66

Incident Energy (MeV)

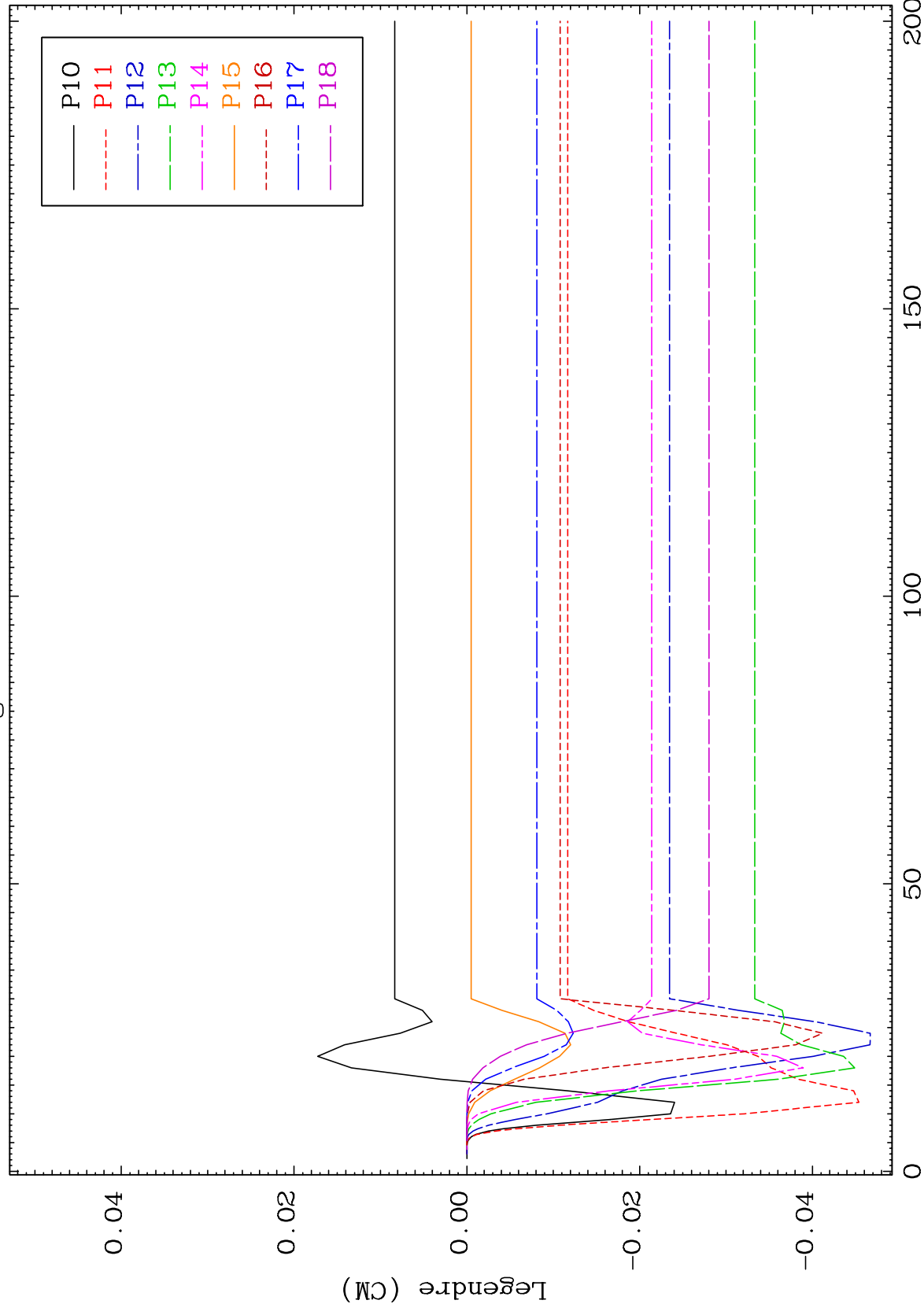
62-Sm-143



MAT 6222

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

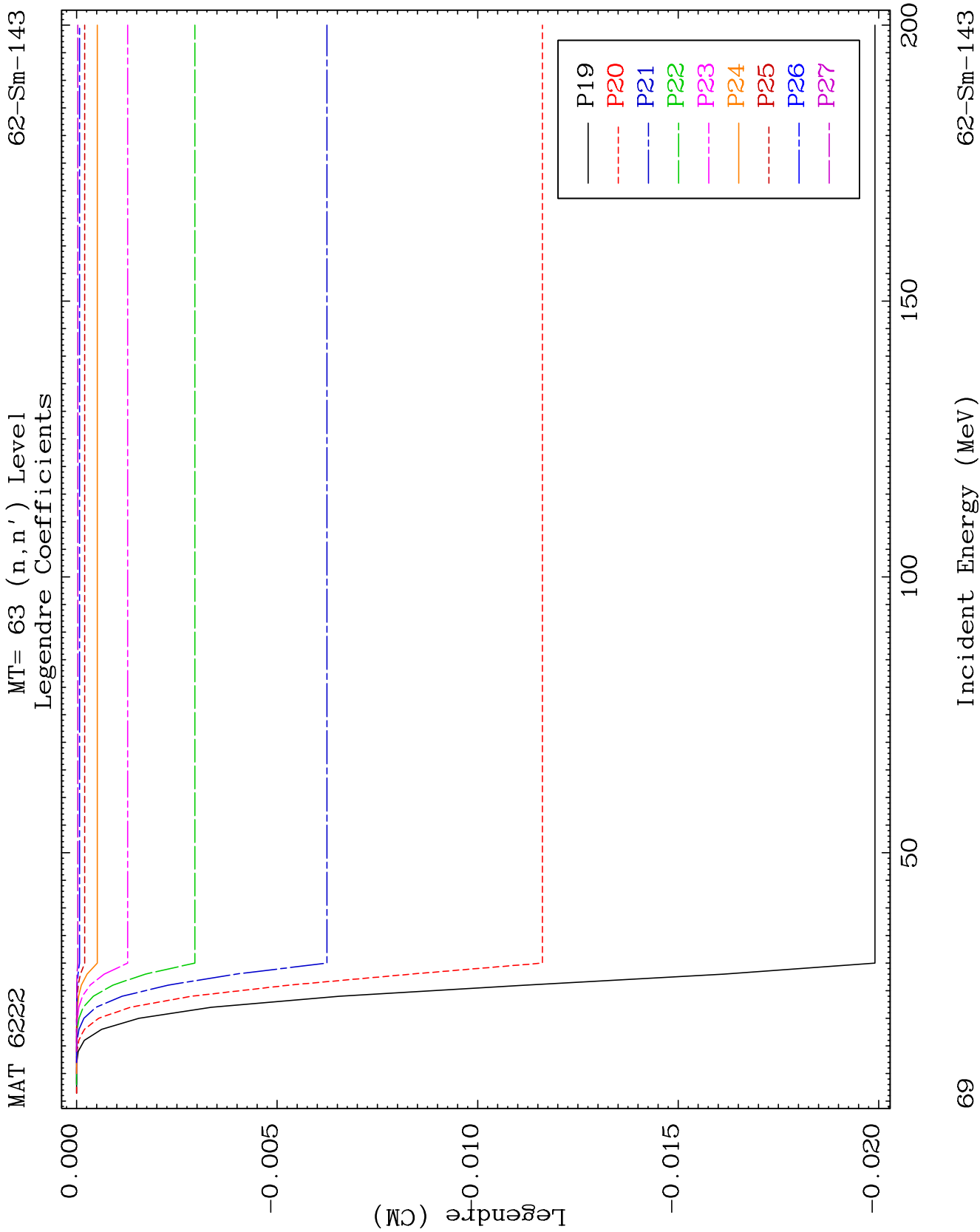
62-Sm-143

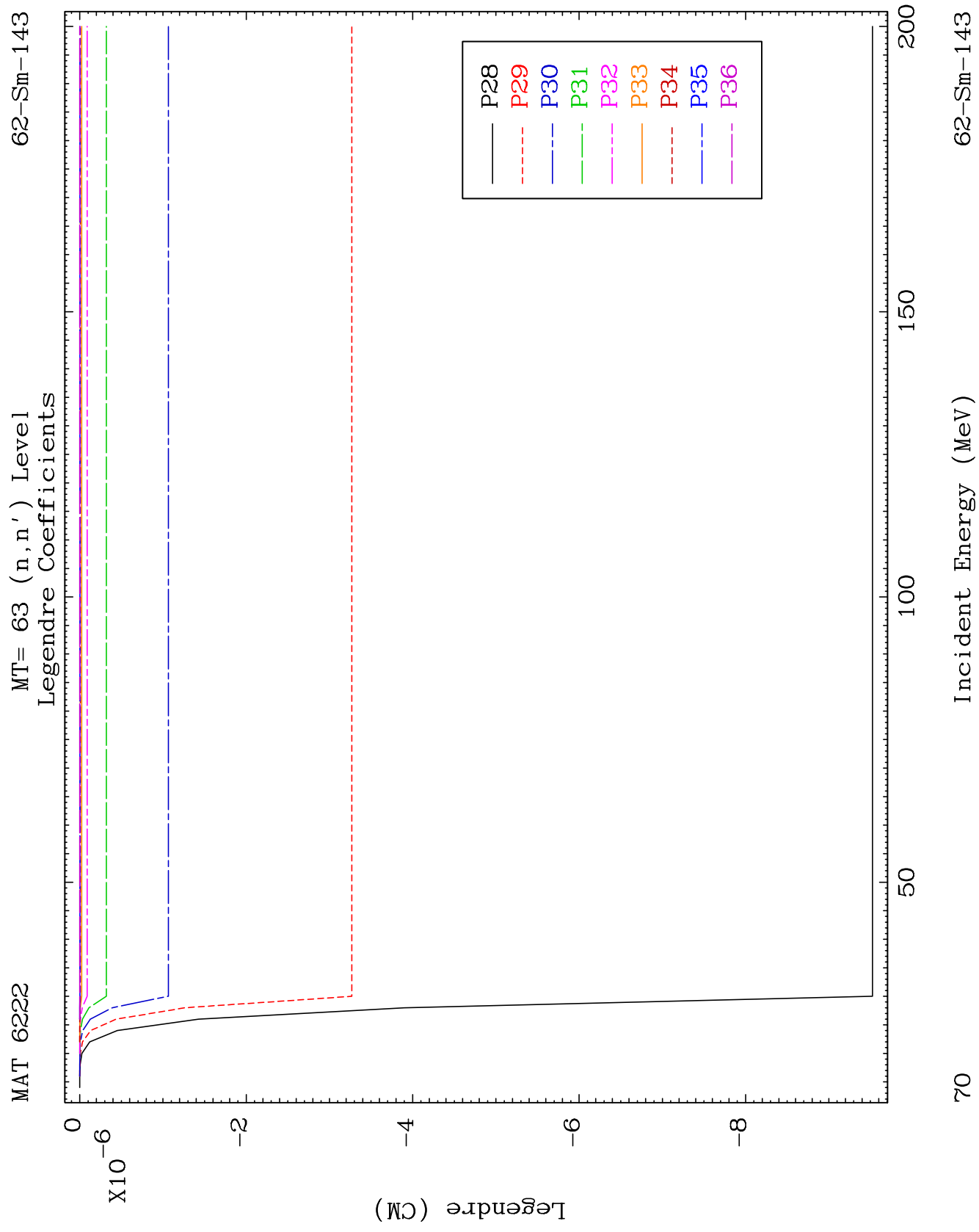


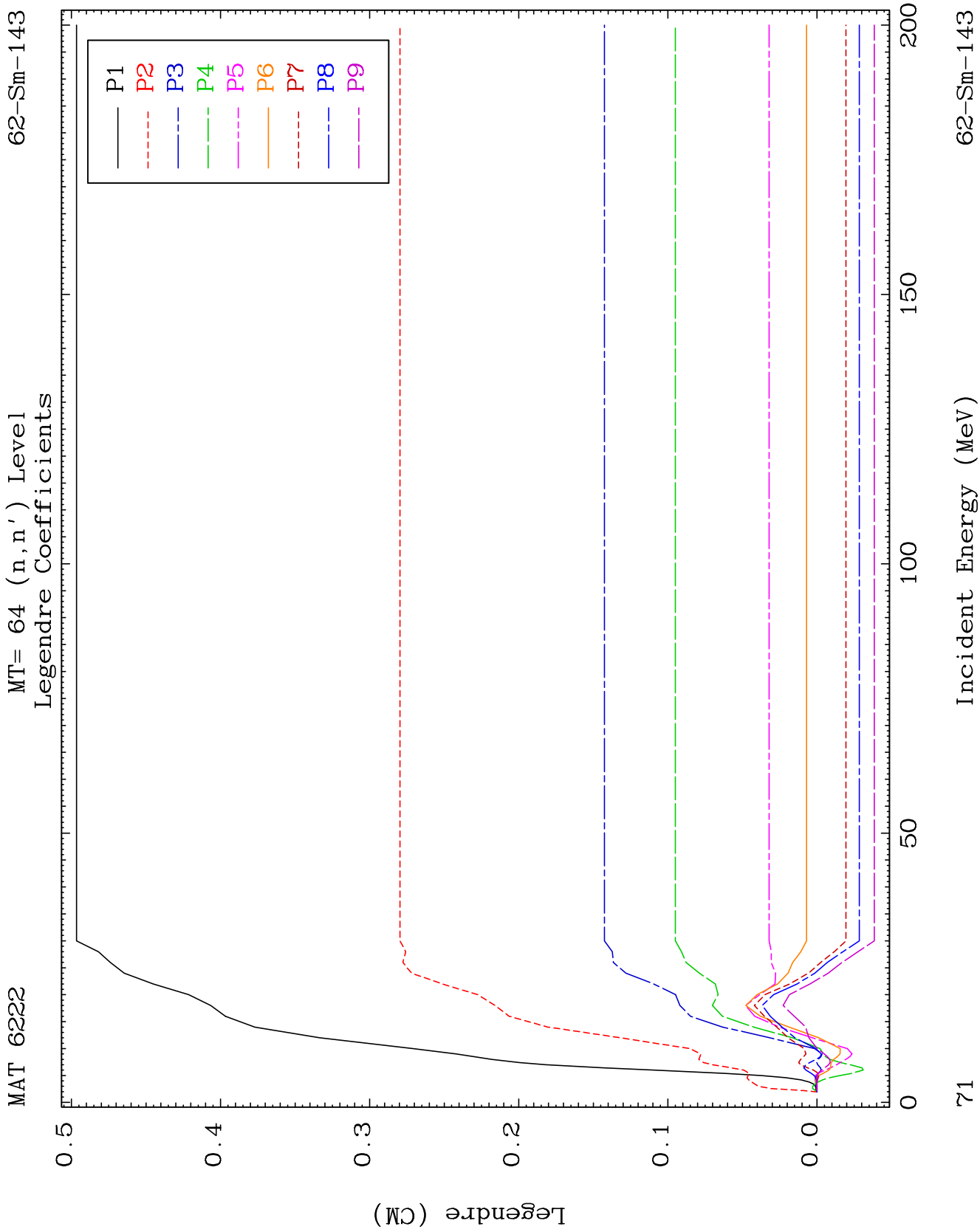
89

Incident Energy (MeV)

62-Sm-143



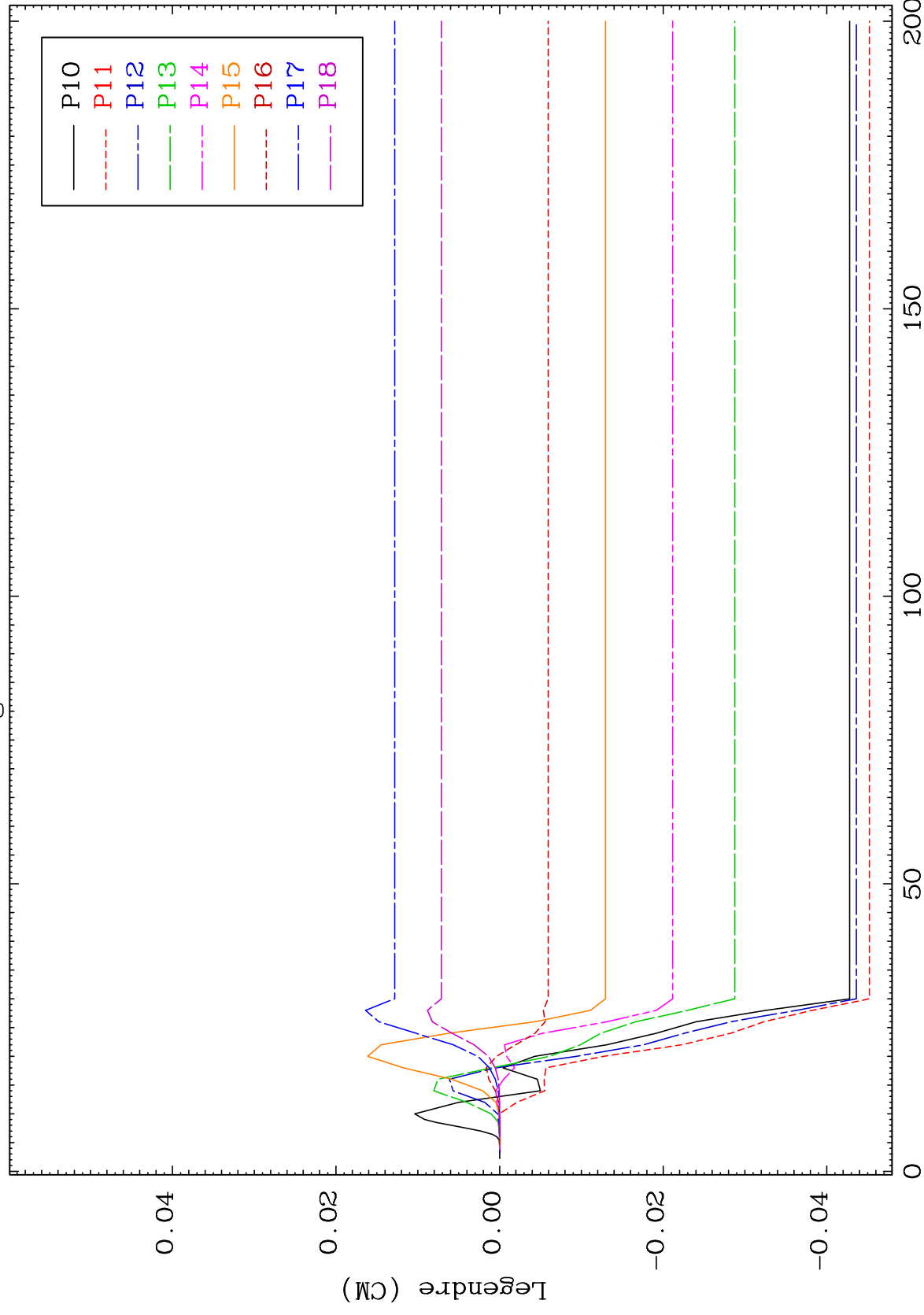




MAT 6222

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

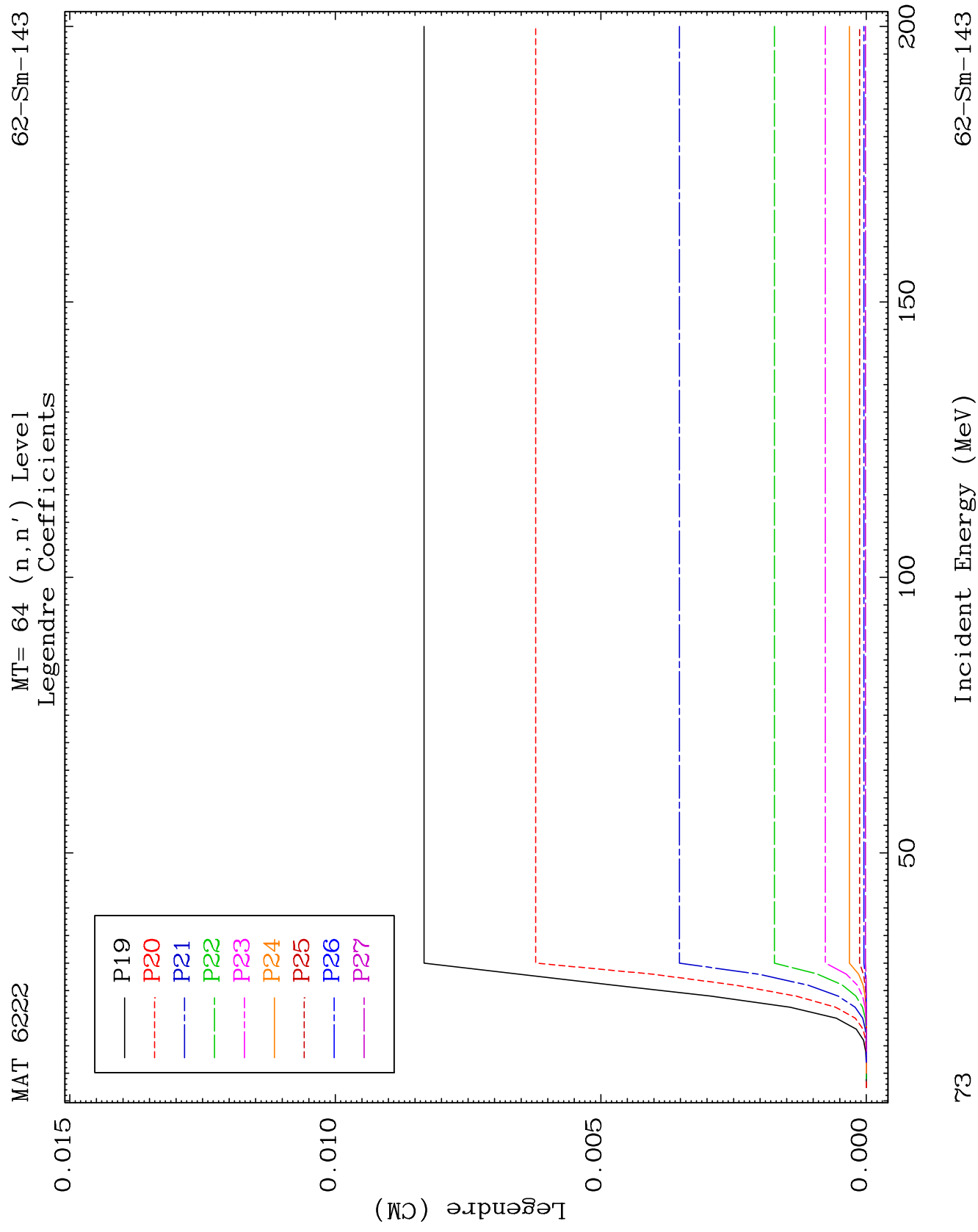
62-Sm-143

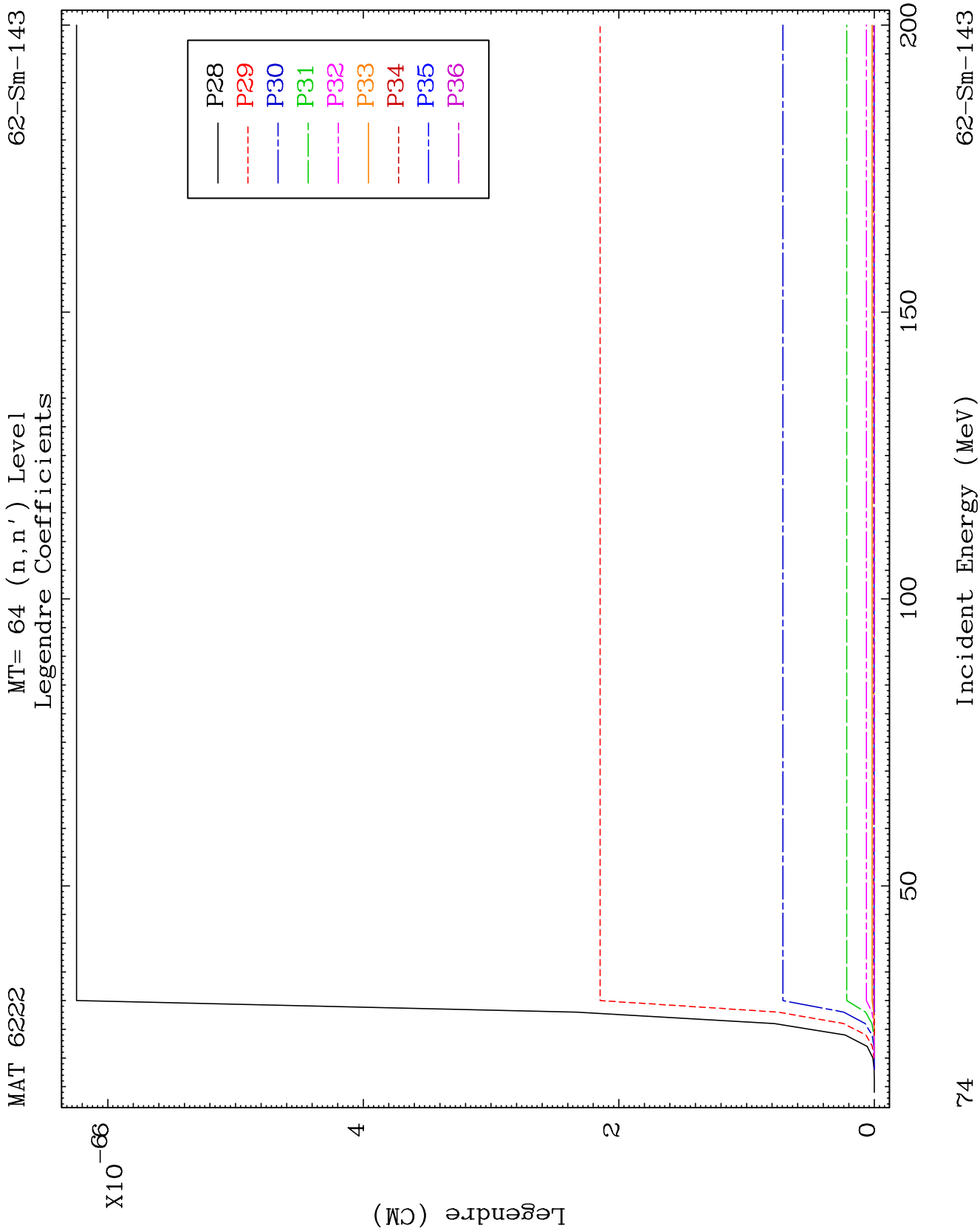


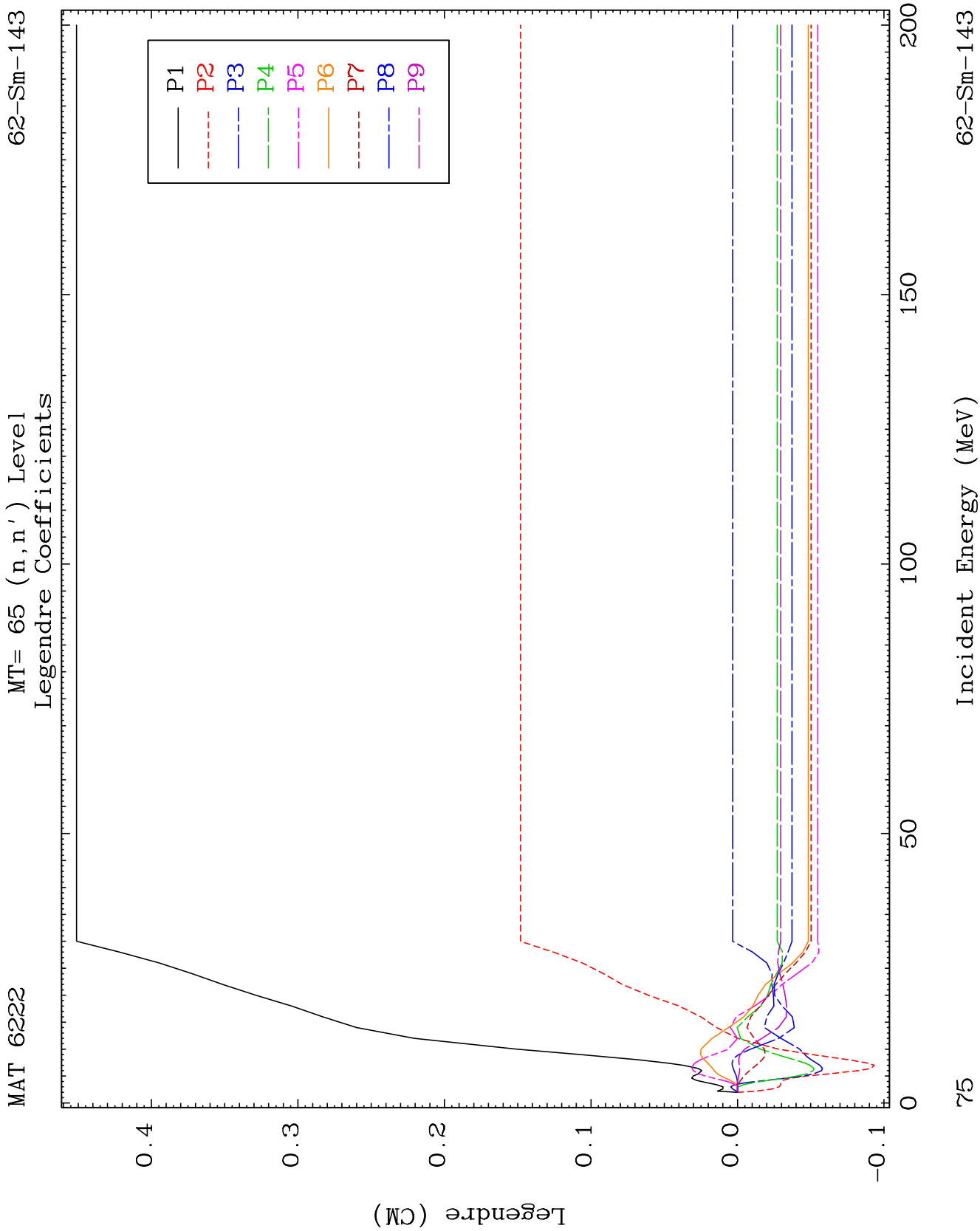
22

Incident Energy (MeV)

62-Sm-143



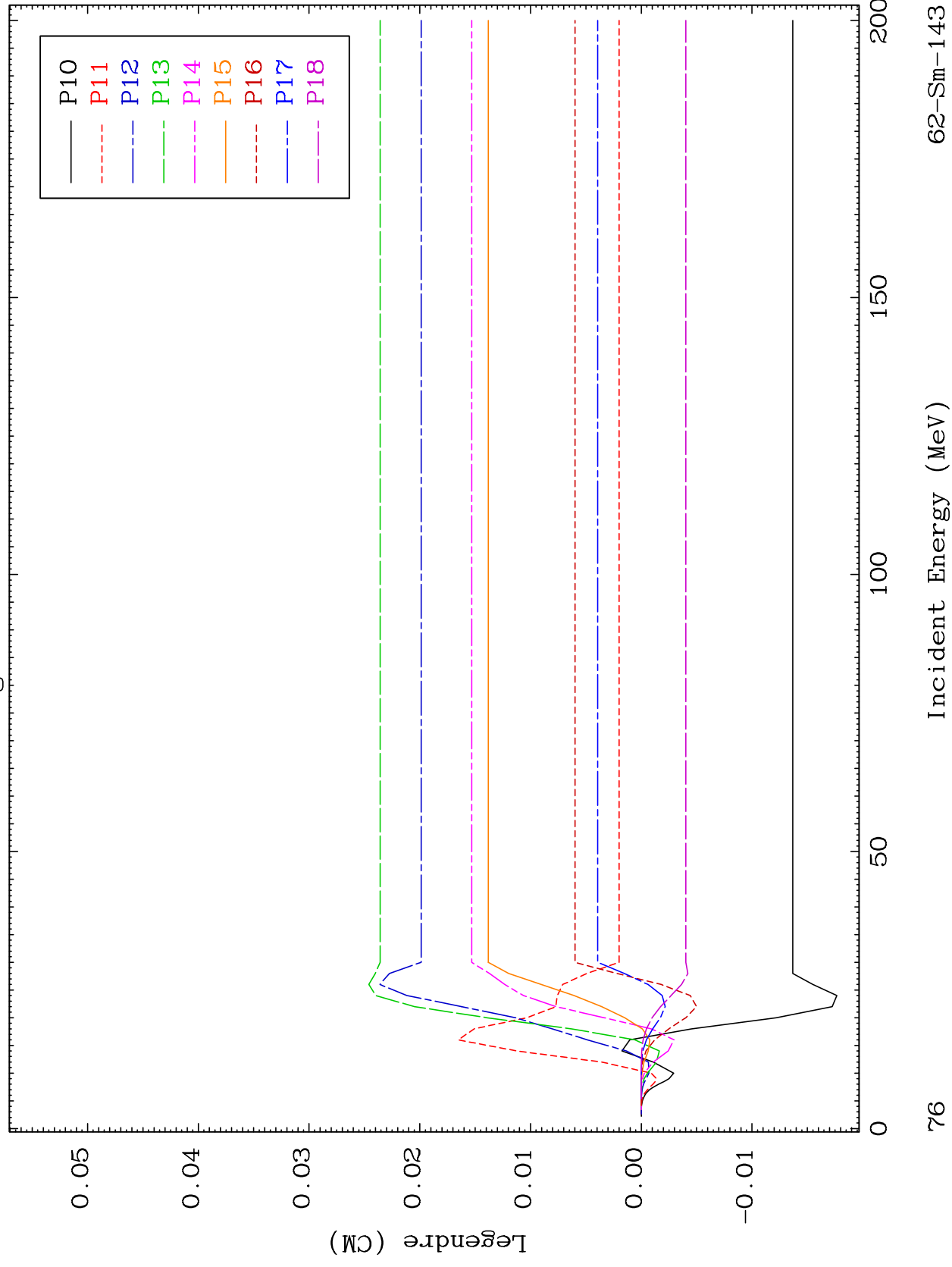


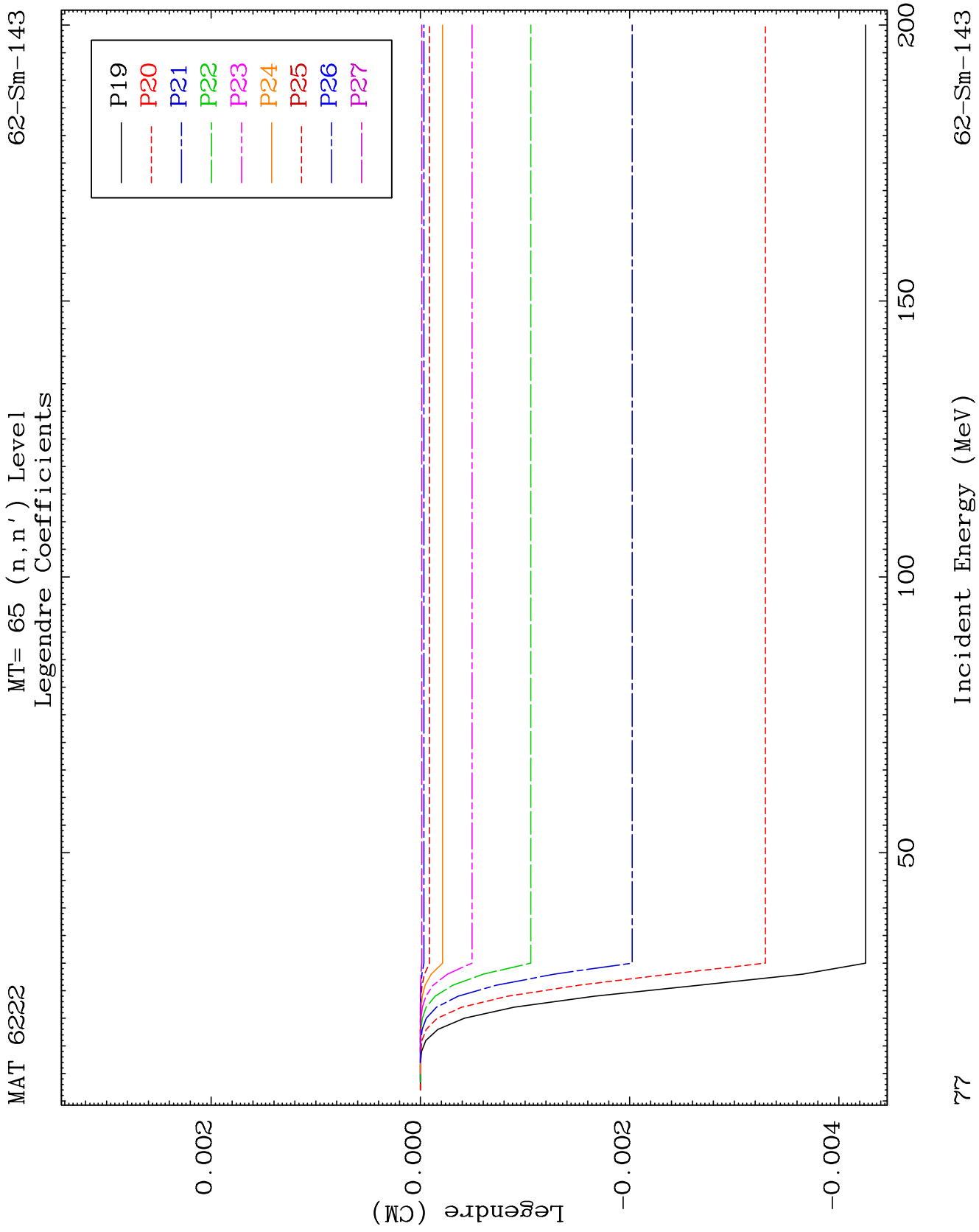


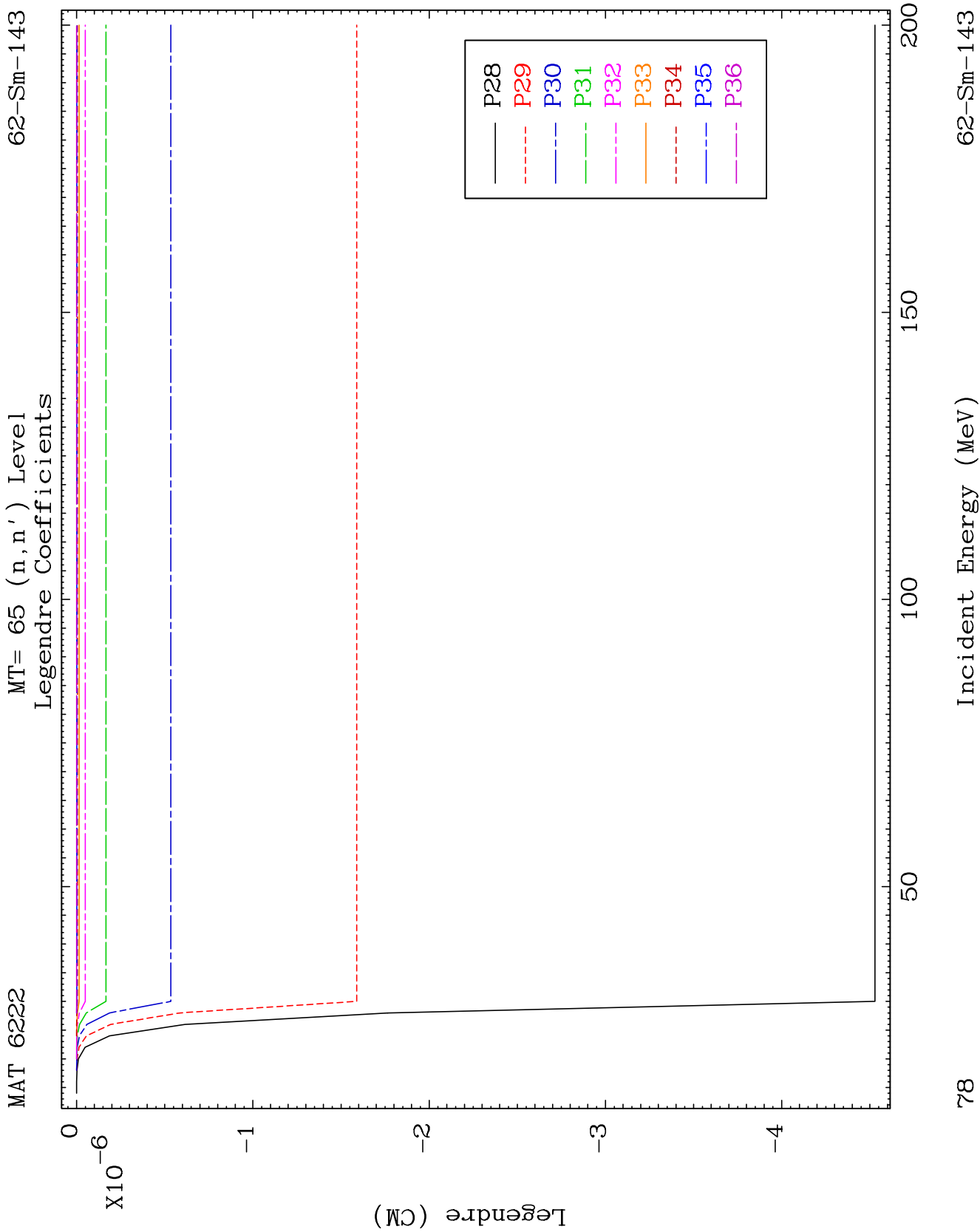
MAT 6222

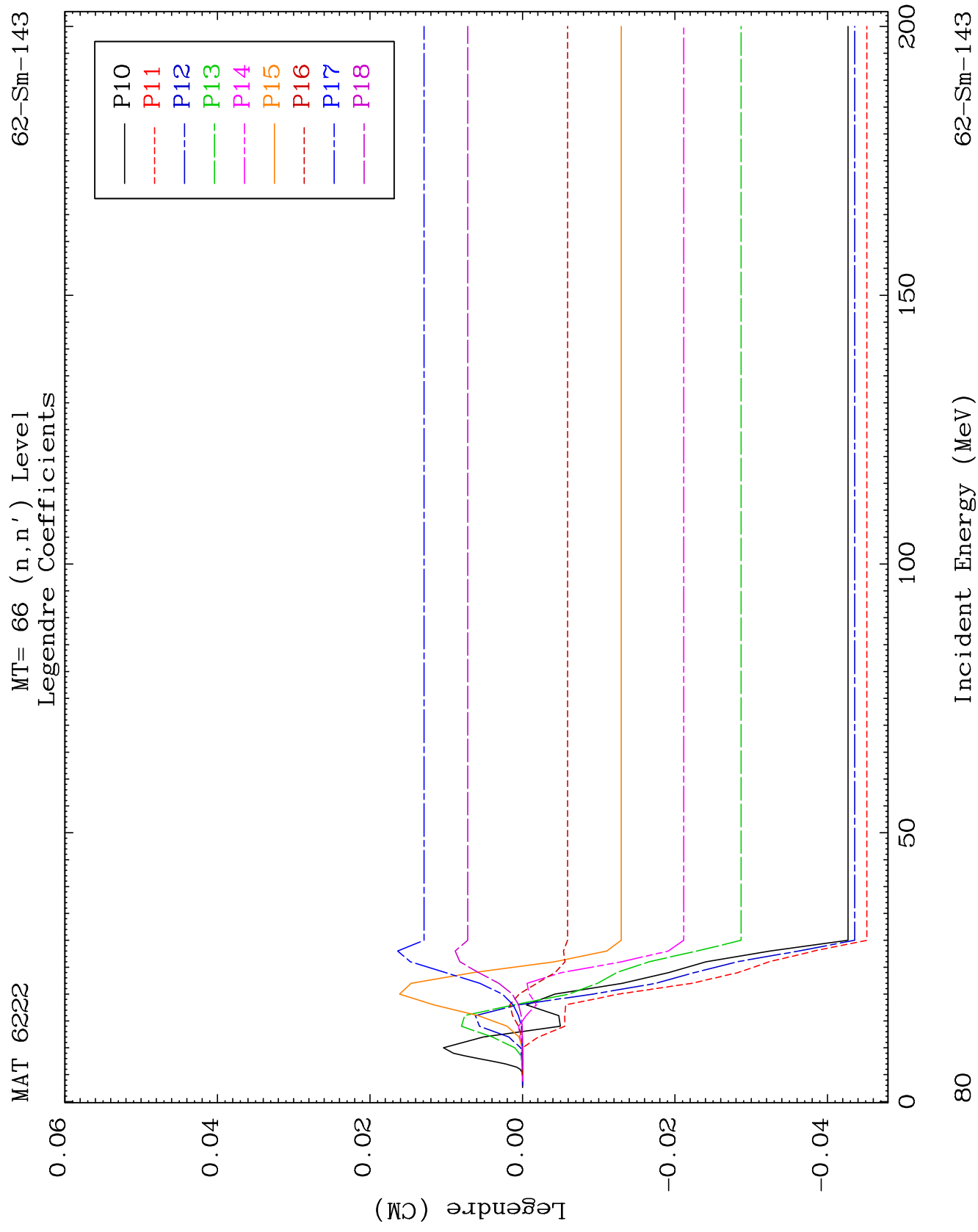
MT= 65 (n, n') Level
Legendre Coefficients

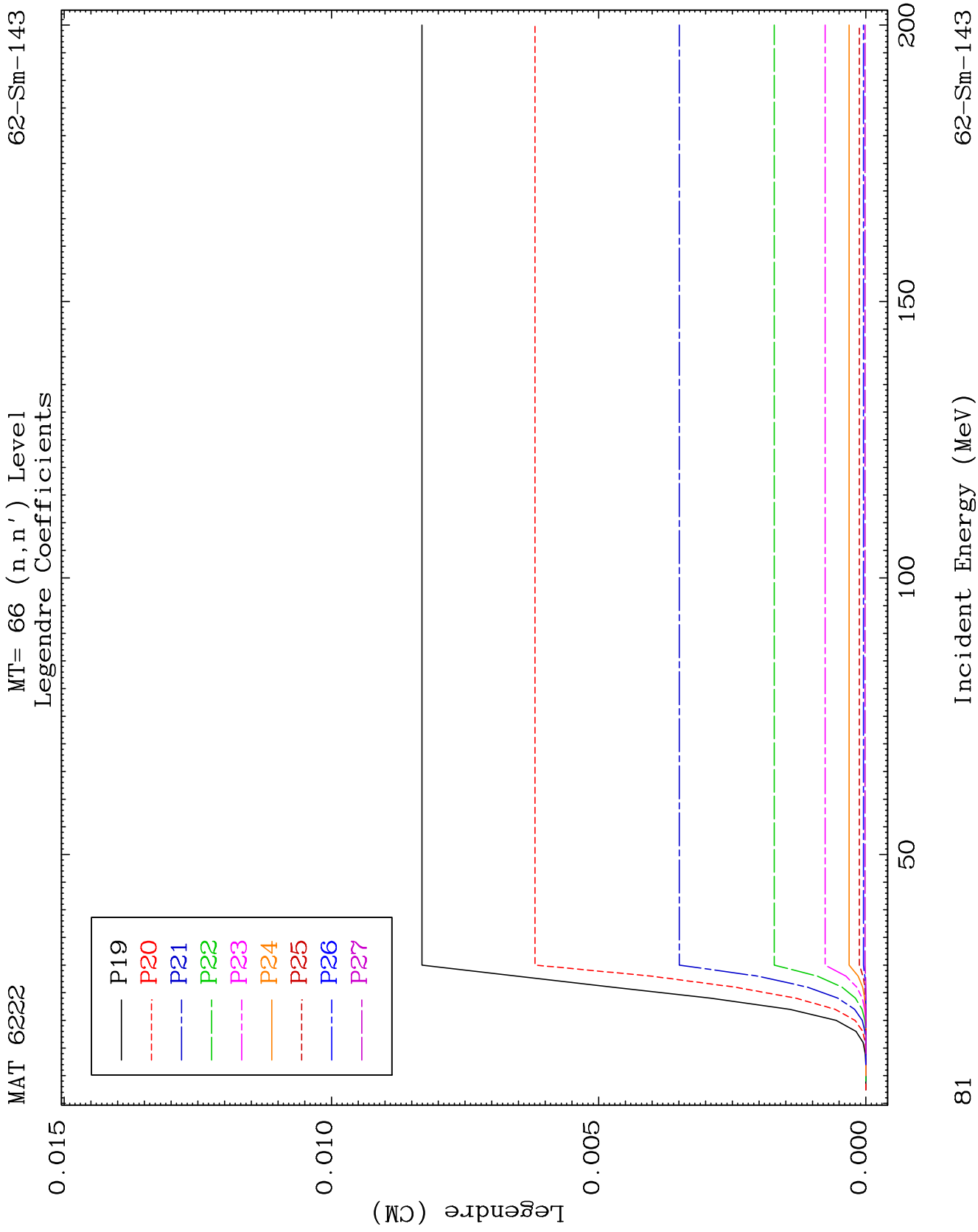
62-Sm-143

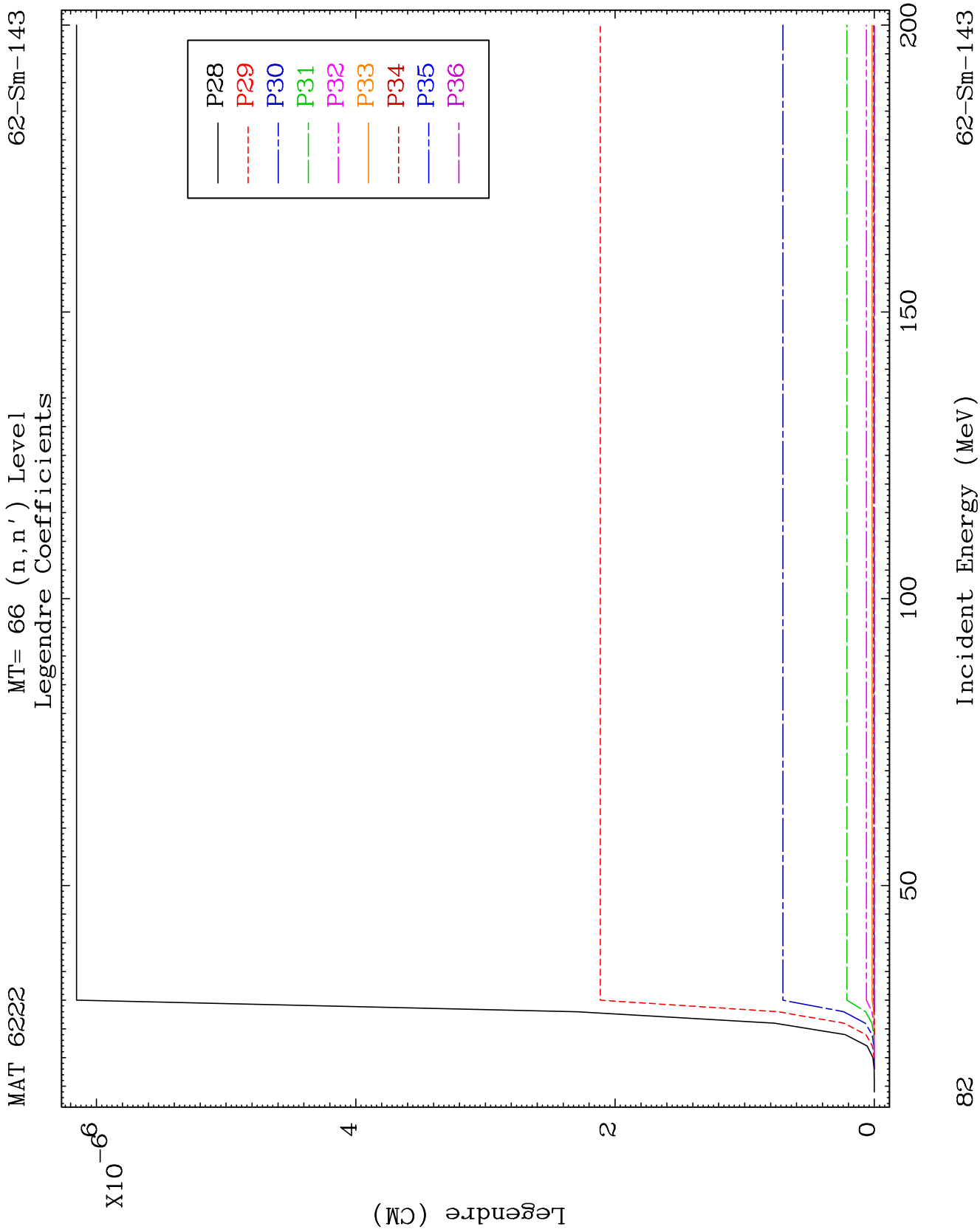




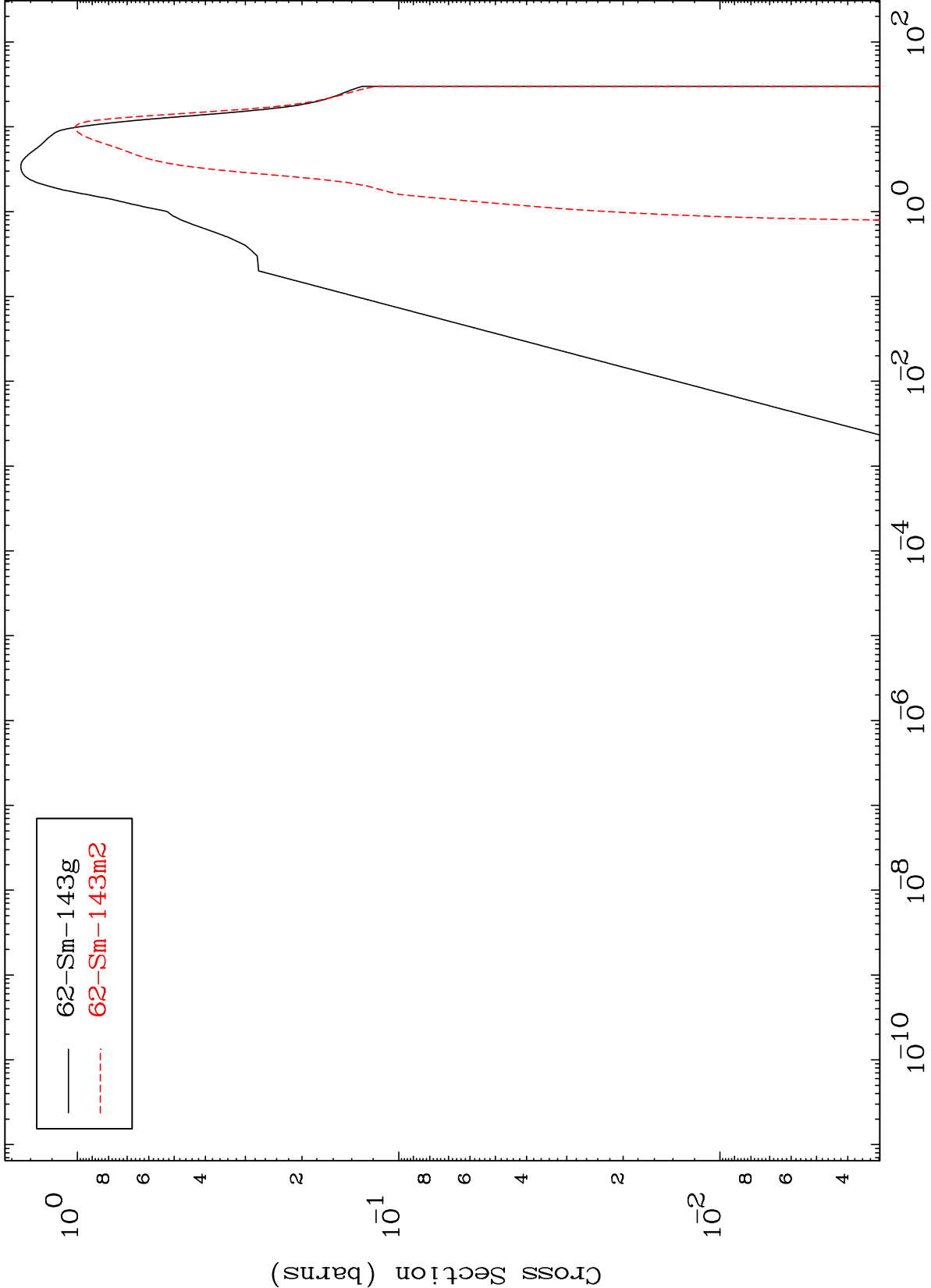




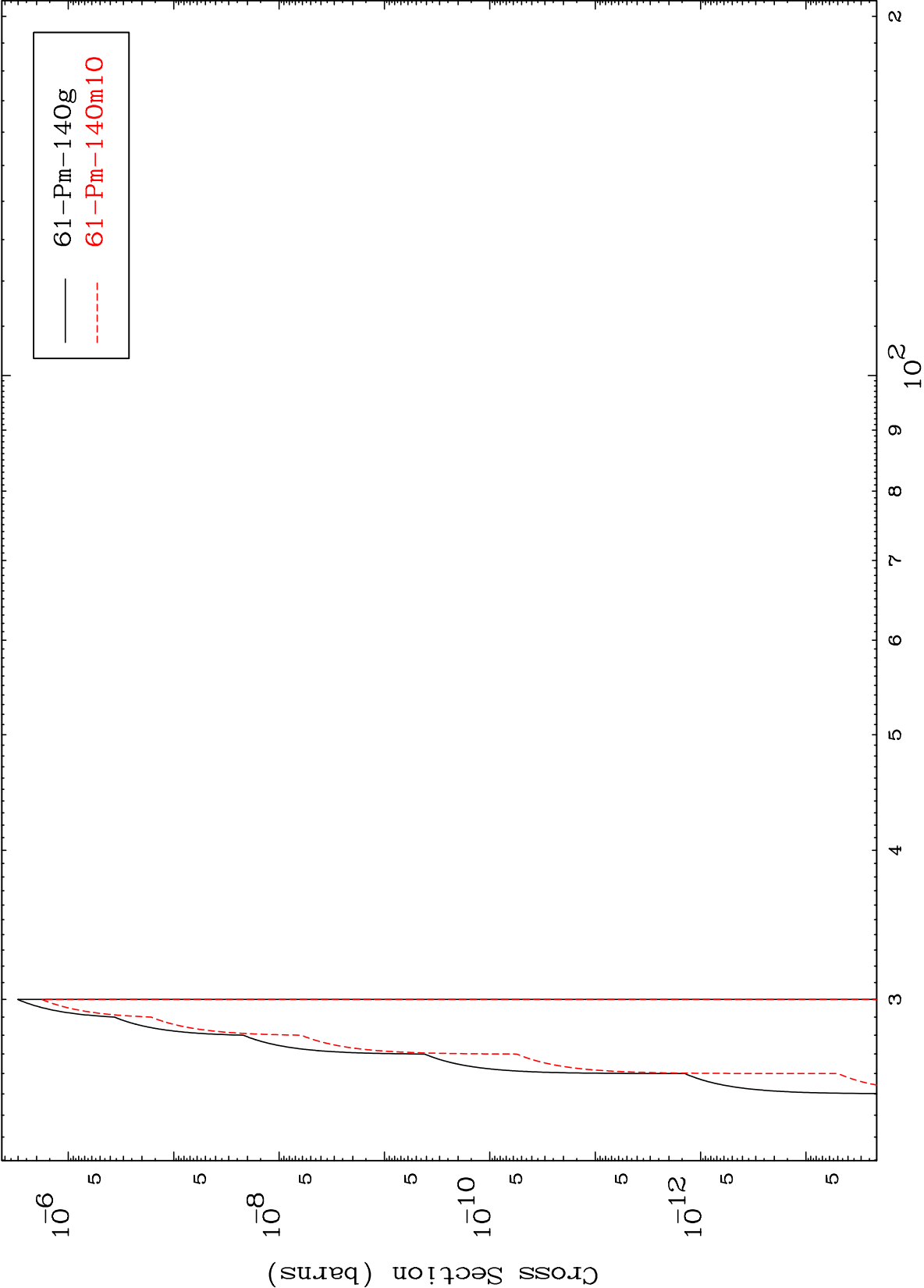




Inelastic
Radionuclide Production Cross Section



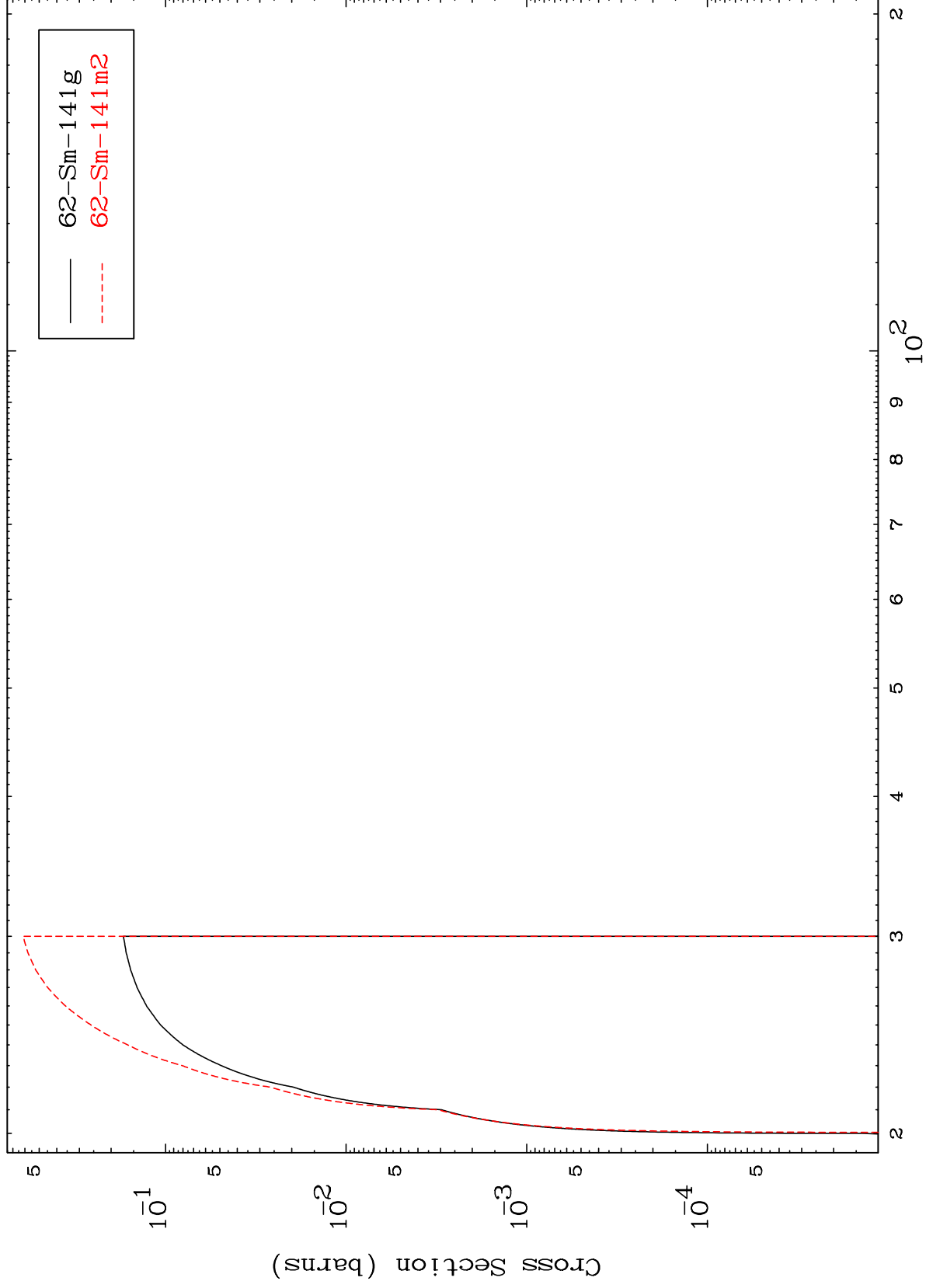
$(n,2n)$ d
Radionuclide Production Cross Section



MAT 6222

62-Sm-143

(n,3n)
Radionuclide Production Cross Section

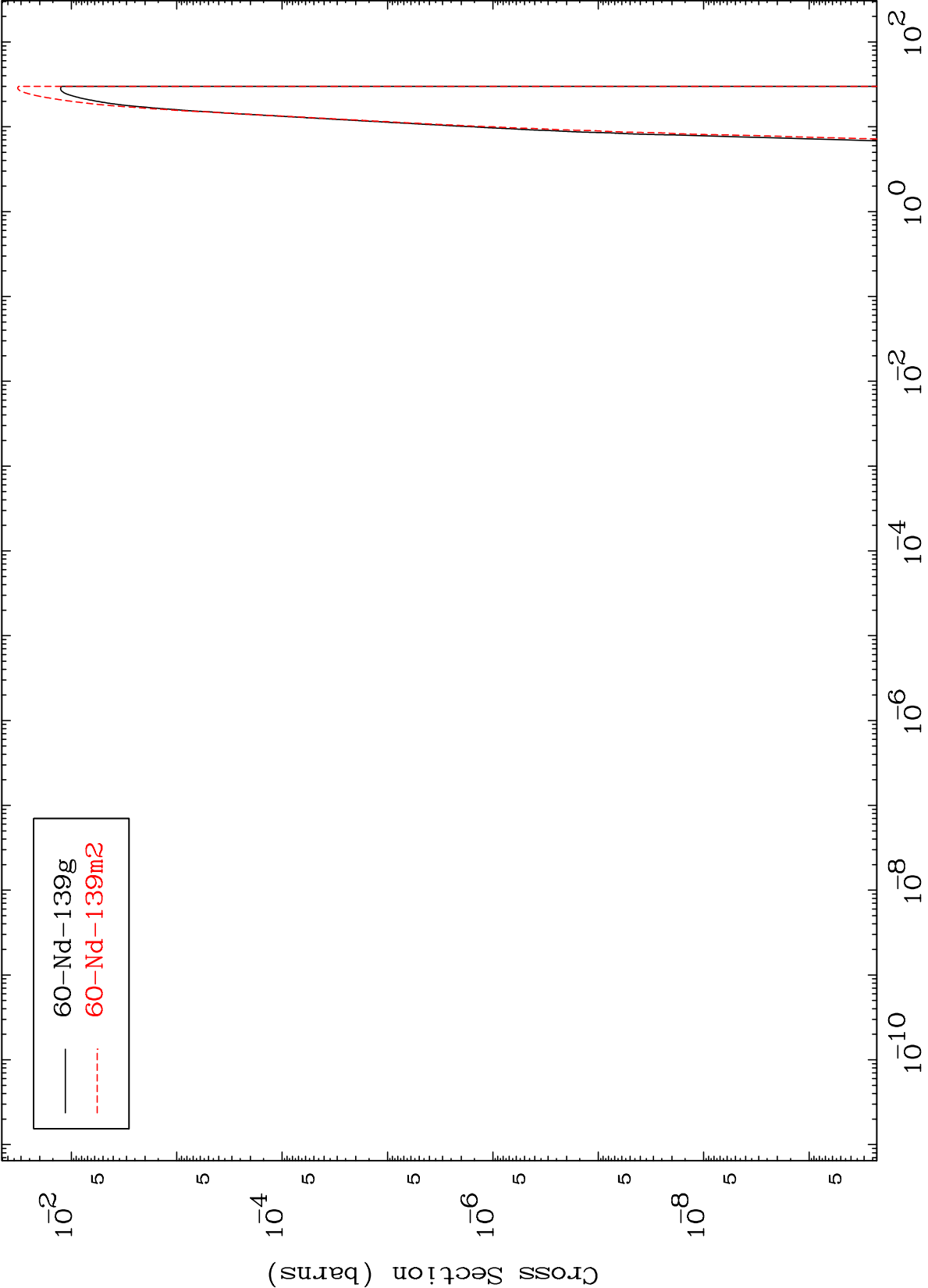


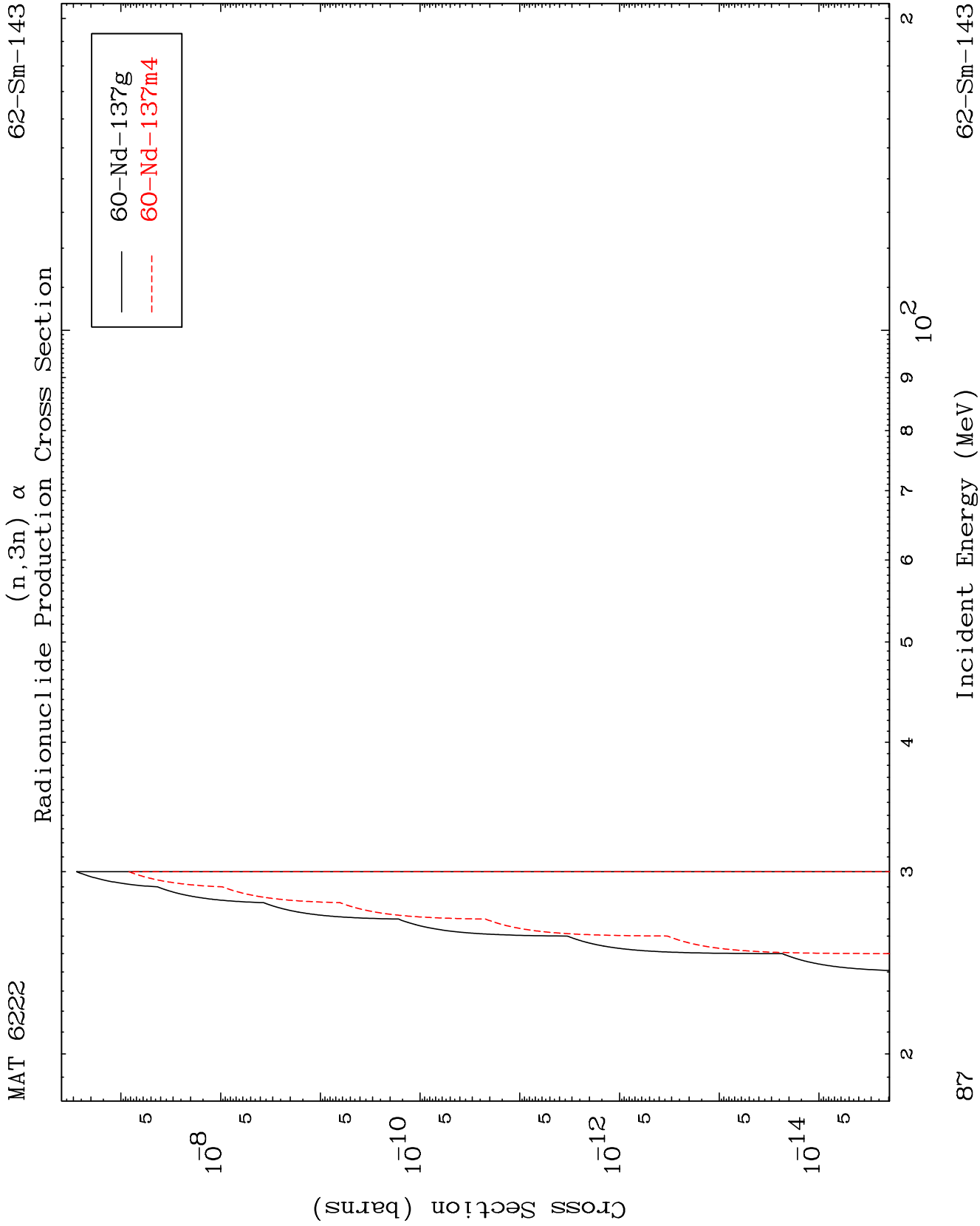
62-Sm-143

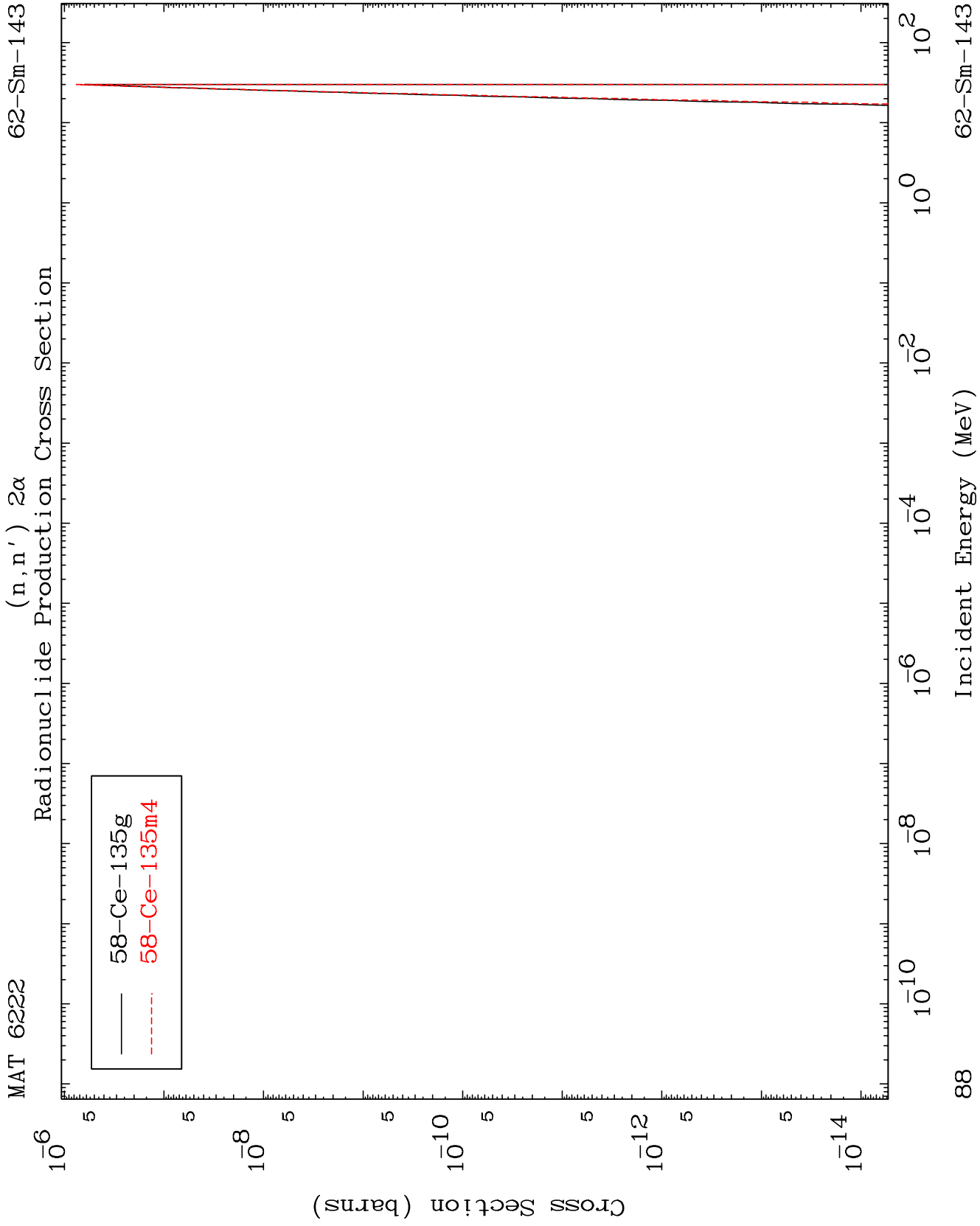
Incident Energy (MeV)

85

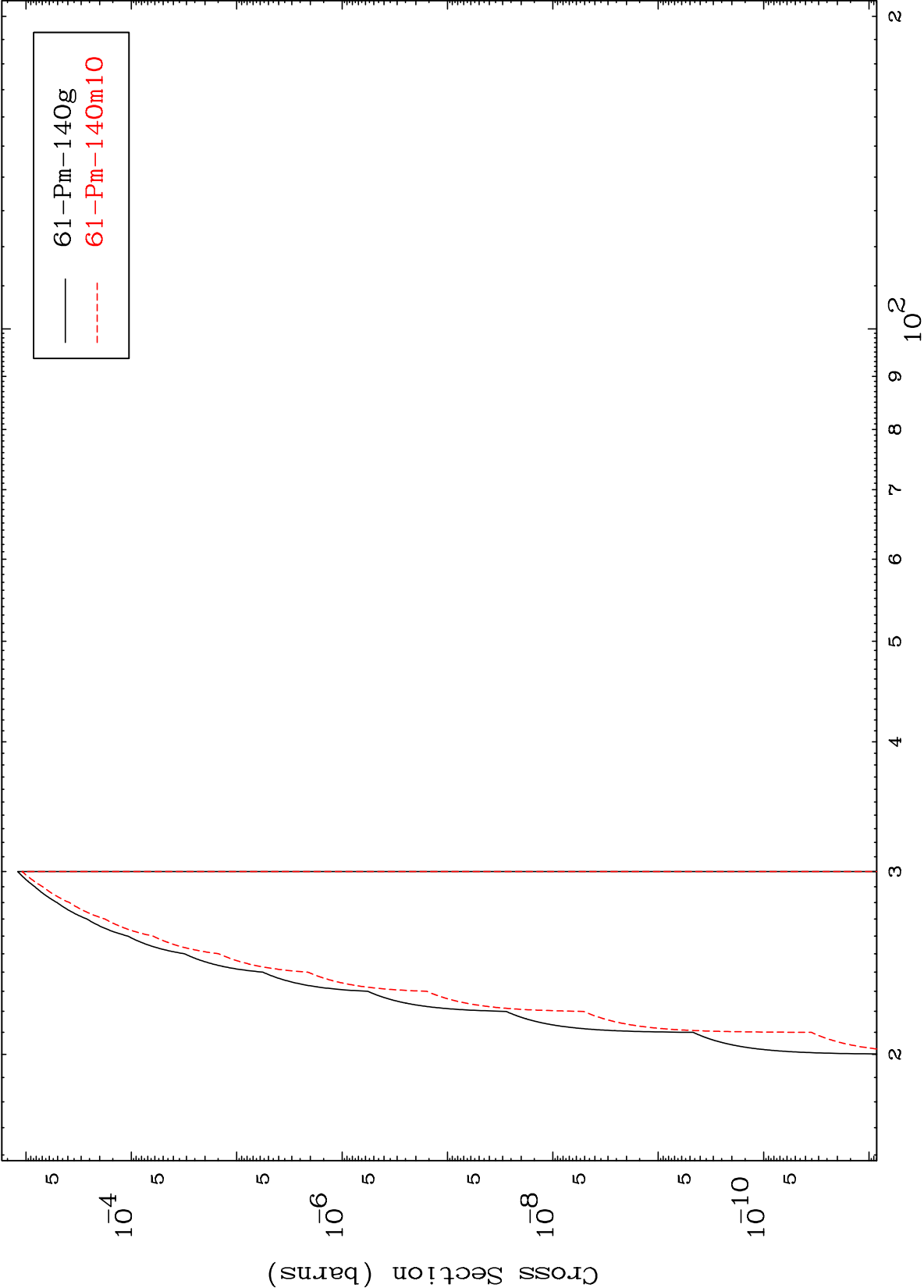
Radionuclide Production Cross Section

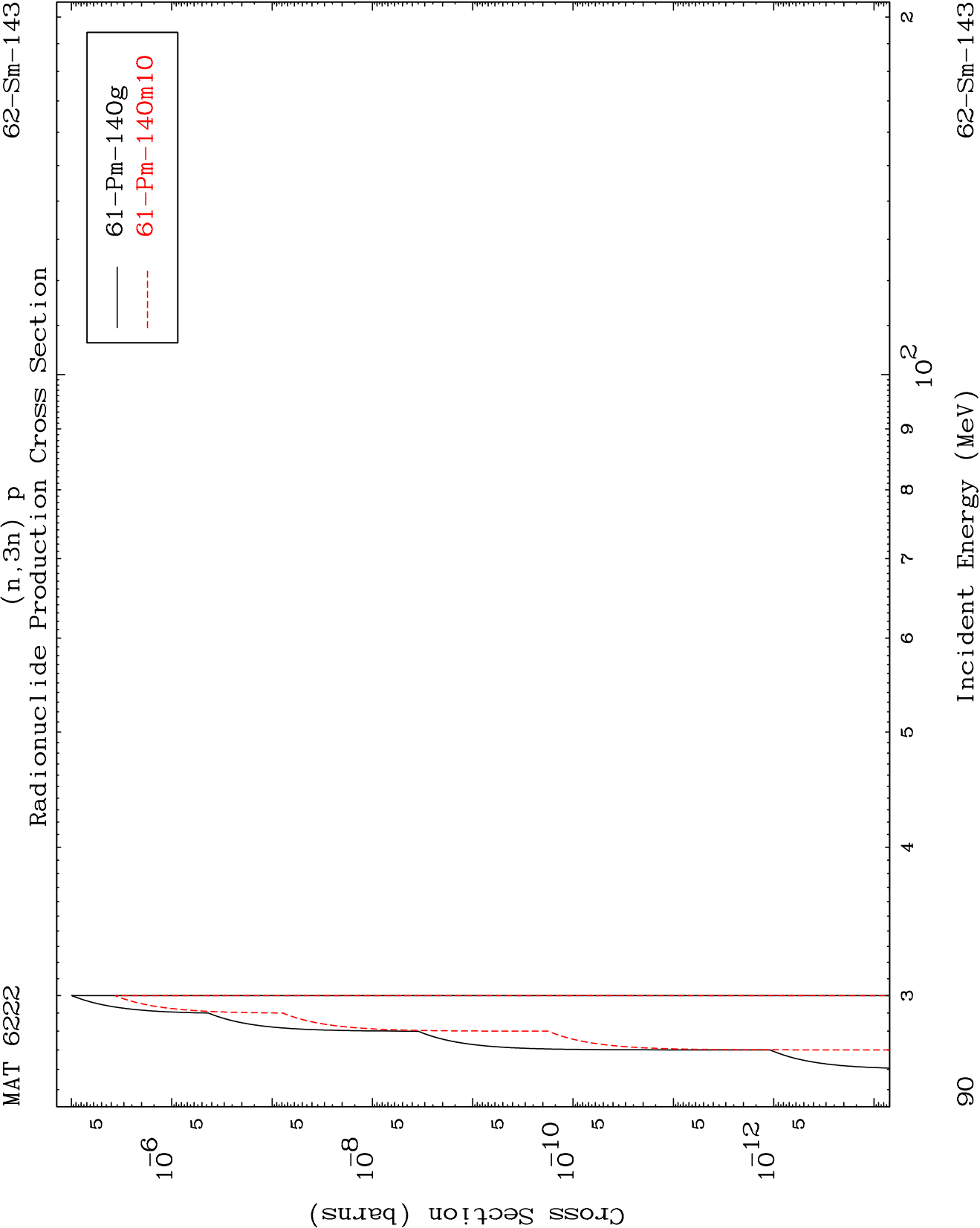






Radionuclide Production Cross Section

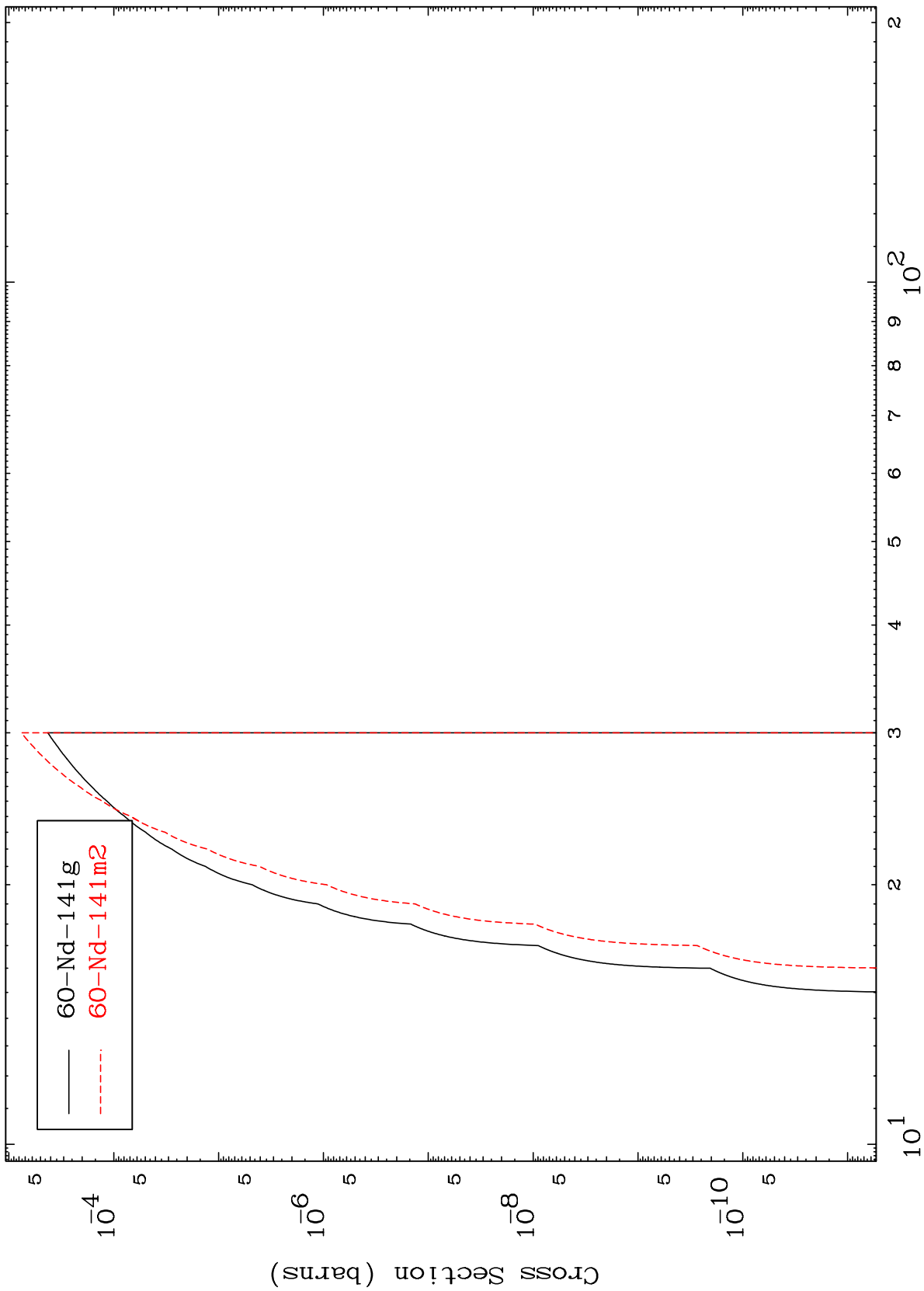




MAT 6222

62-Sm-143

(n,2n) p
Radionuclide Production Cross Section



62-Sm-143

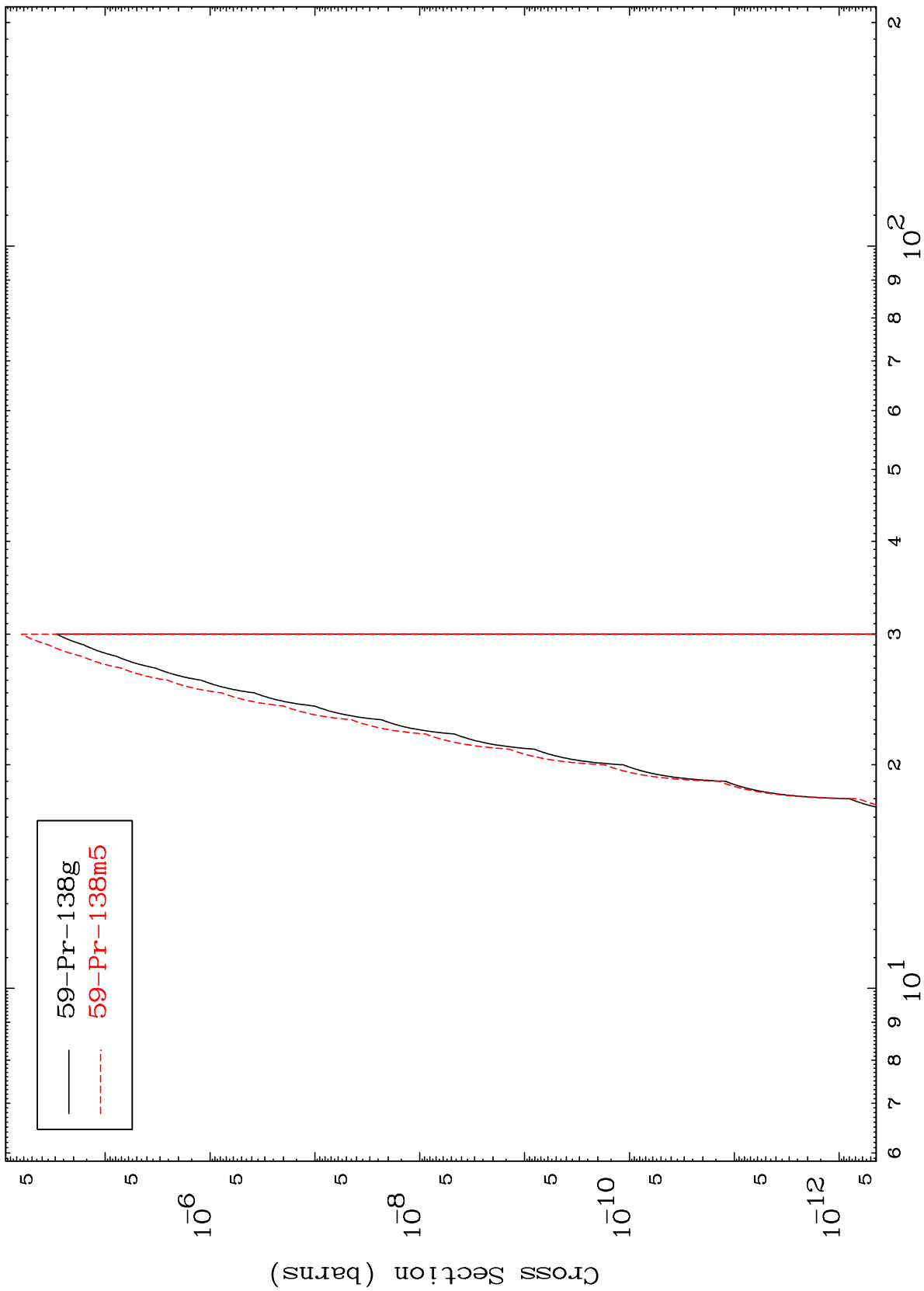
Incident Energy (MeV)

91

MAT 6222

62-Sm-143

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

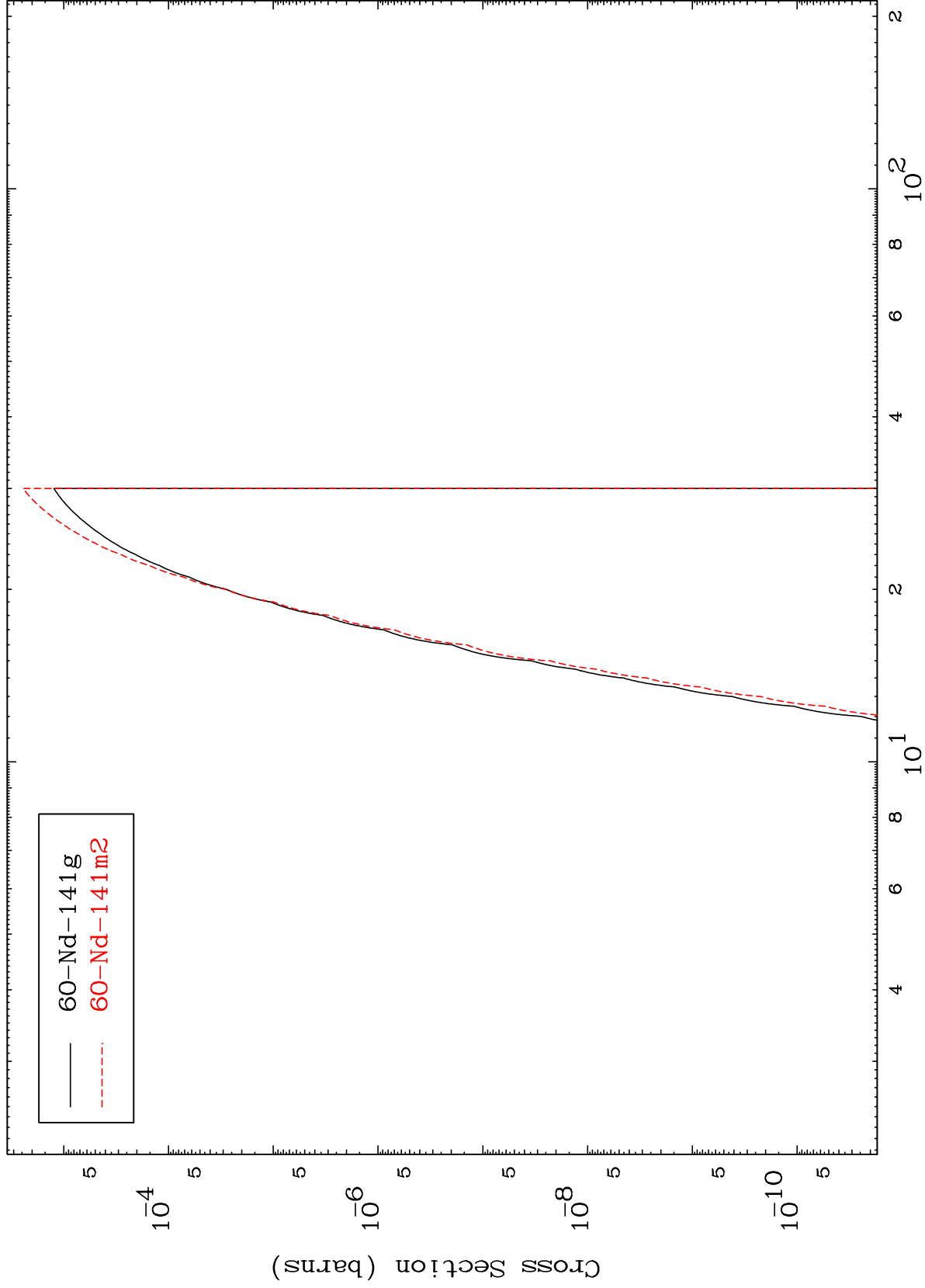


92

Incident Energy (MeV)

62-Sm-143

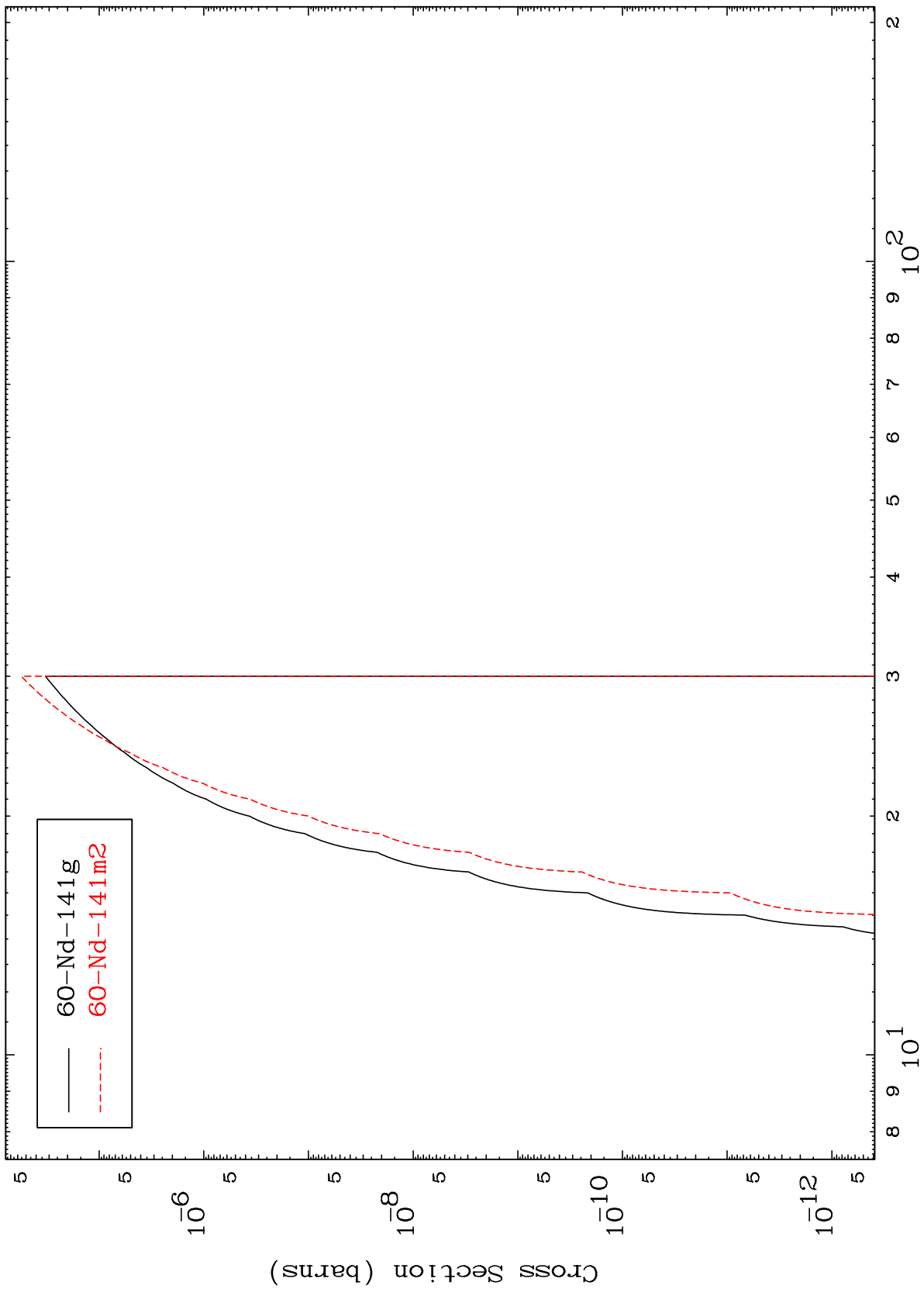
Radionuclide Production Cross Section
(n,He-3)



MAT 6222

62-Sm-143

(n,p) d
Radionuclide Production Cross Section



62-Sm-143

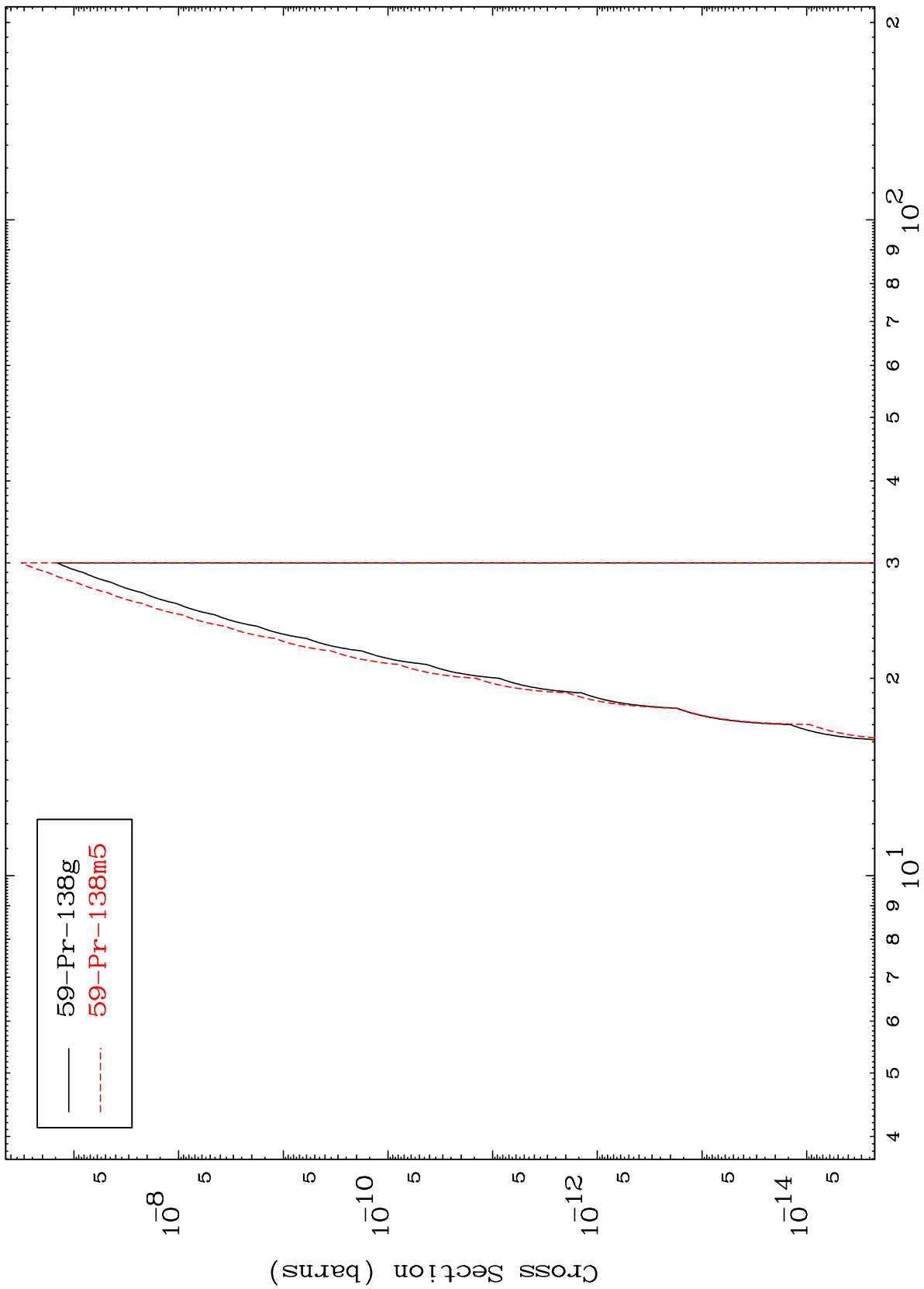
Incident Energy (MeV)

94

MAT 6222

62-Sm-143

(n,d) α
Radionuclide Production Cross Section



95

Incident Energy (MeV)

62-Sm-143