

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

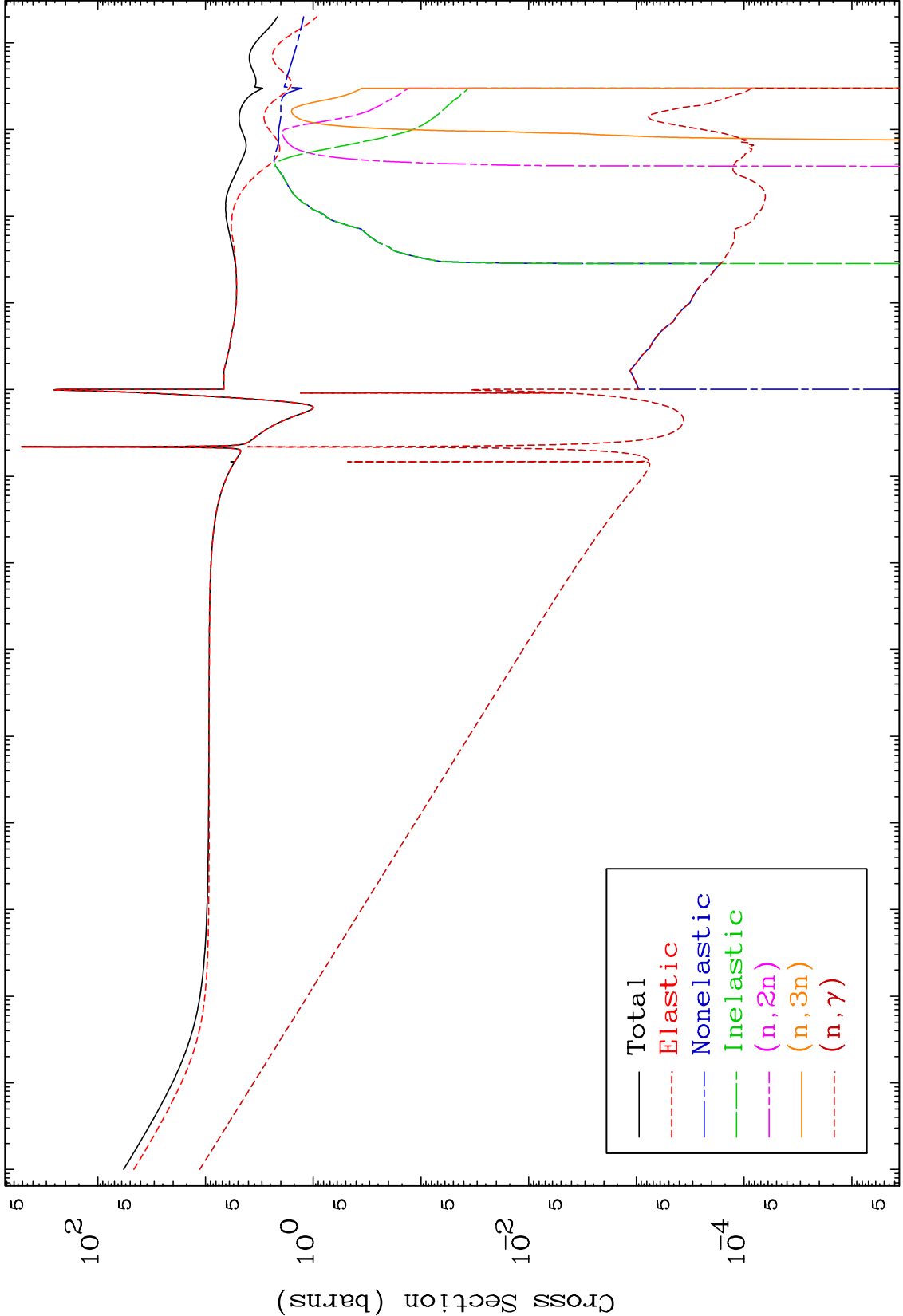
Press Mouse Button to Start

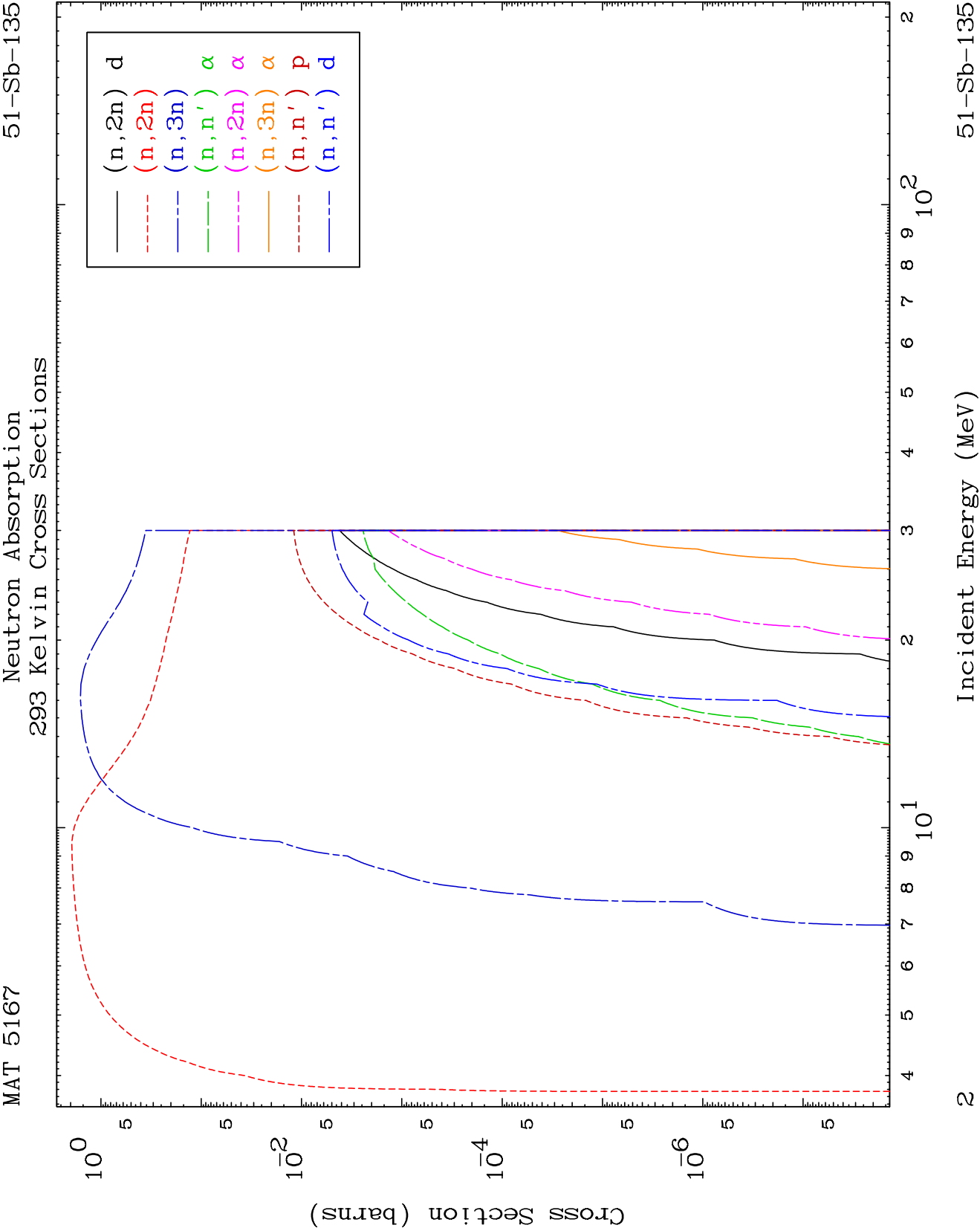
MAT 5167

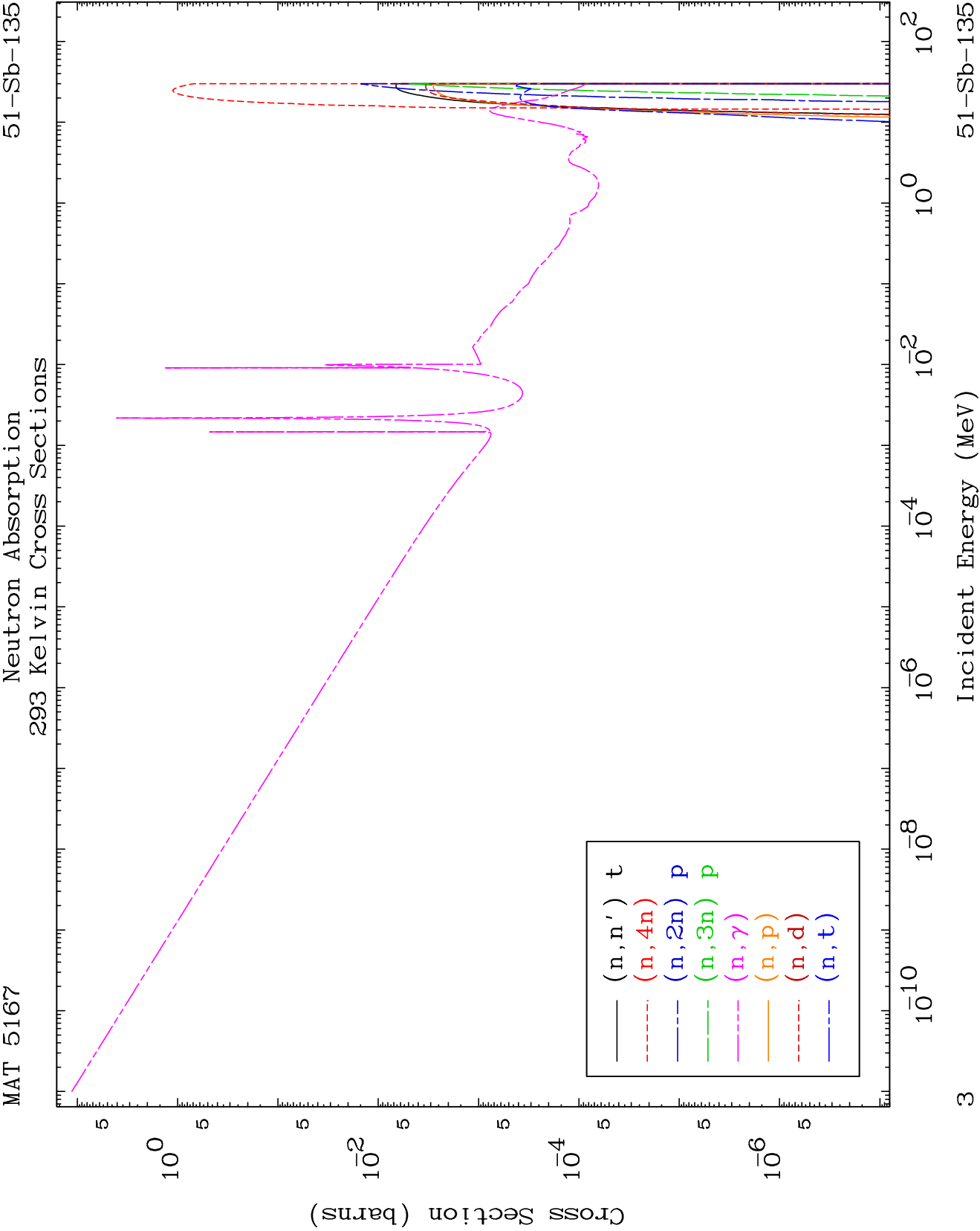
Neutron Major

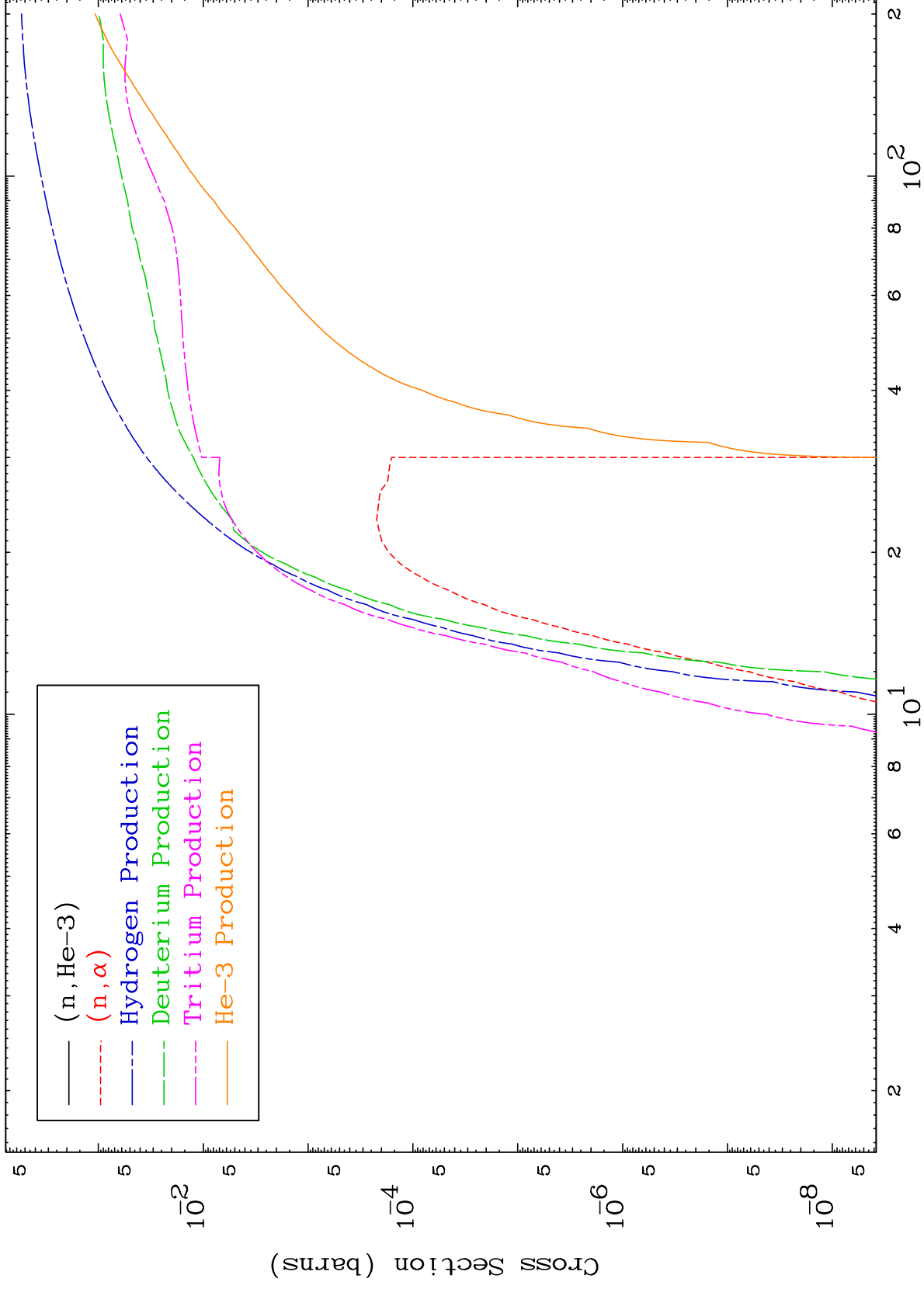
293 Kelvin Cross Sections

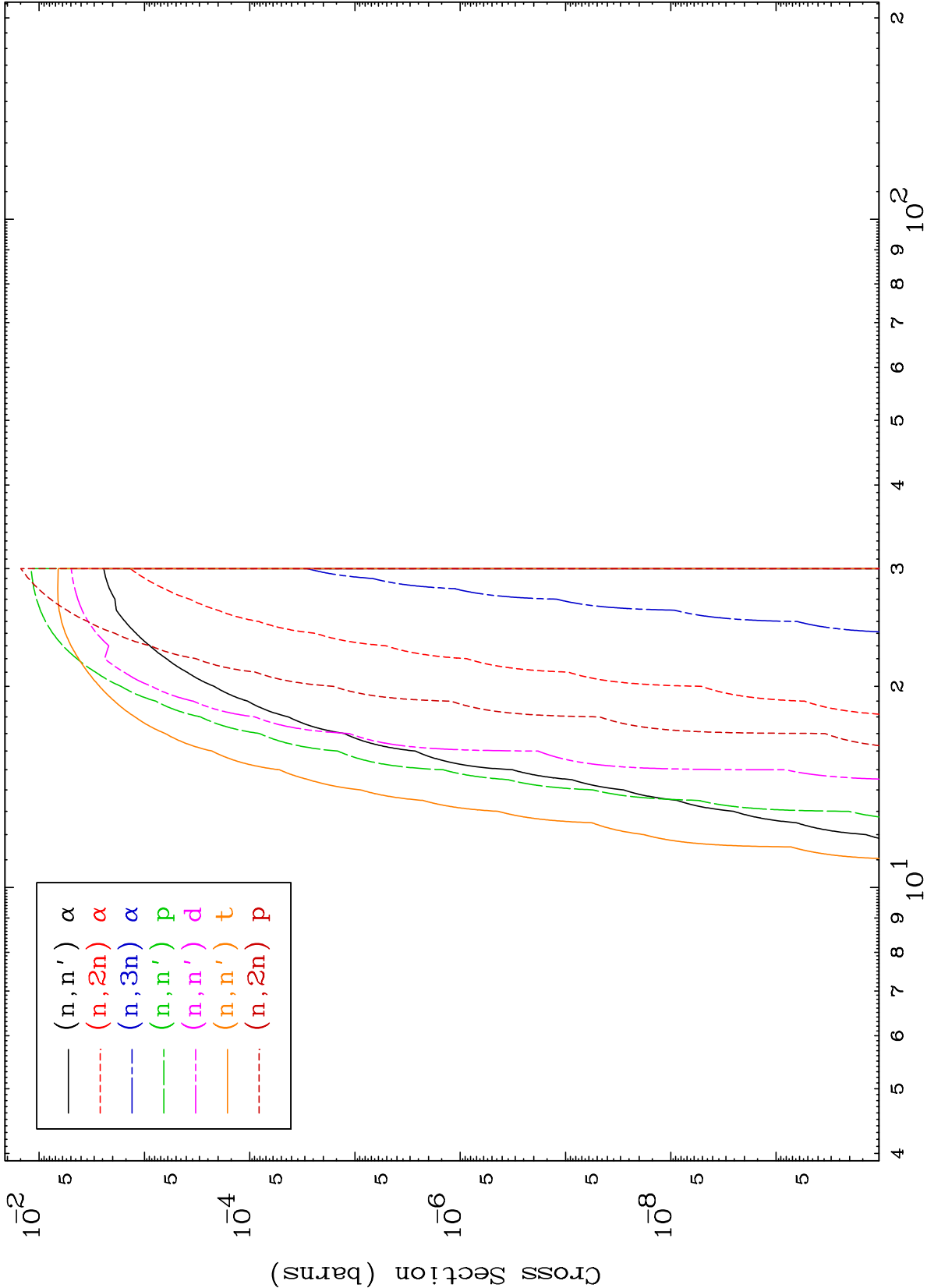
51-Sb-135







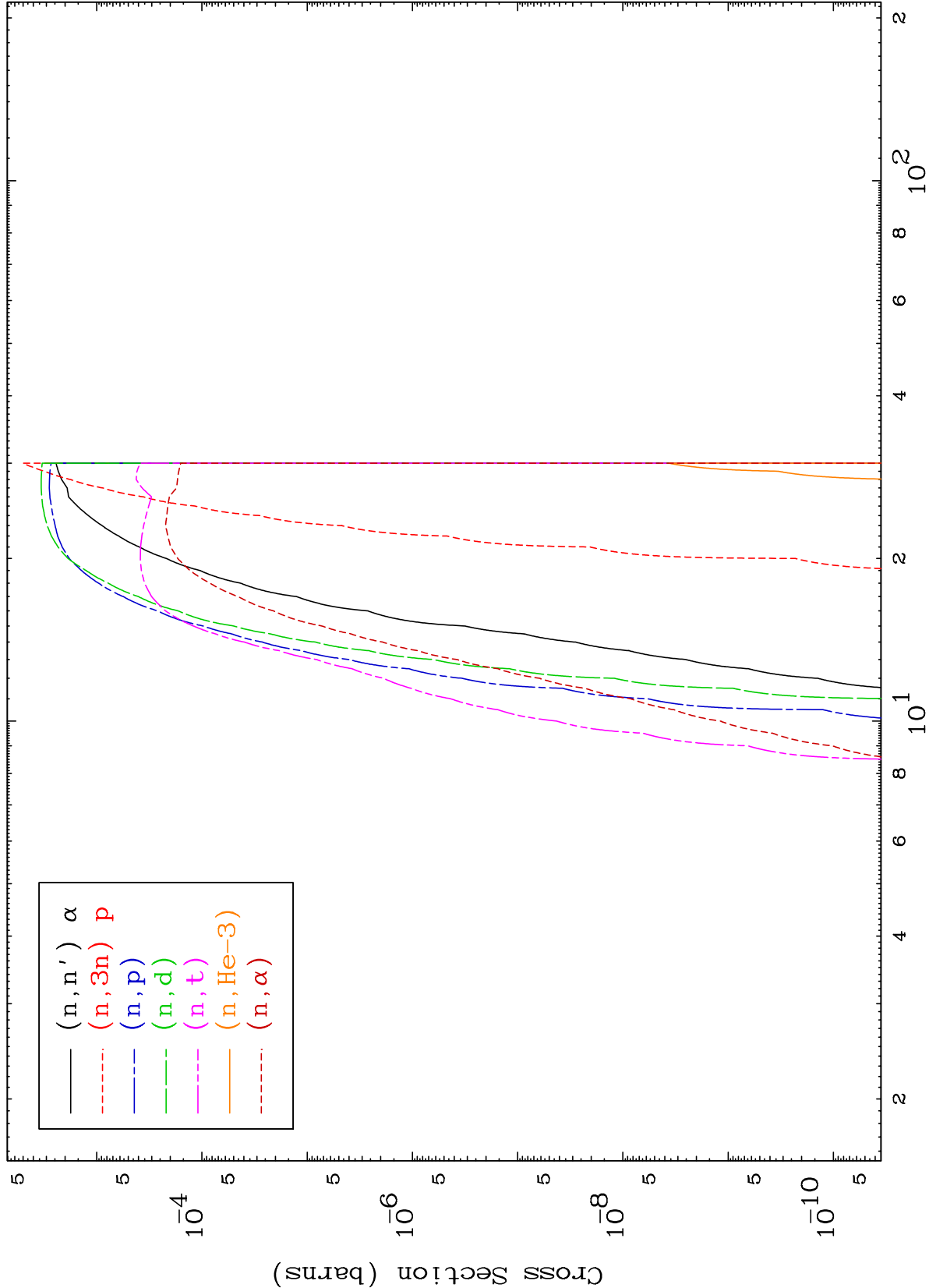




MAT 5167

Charged Particle
293 Kelvin Cross Sections

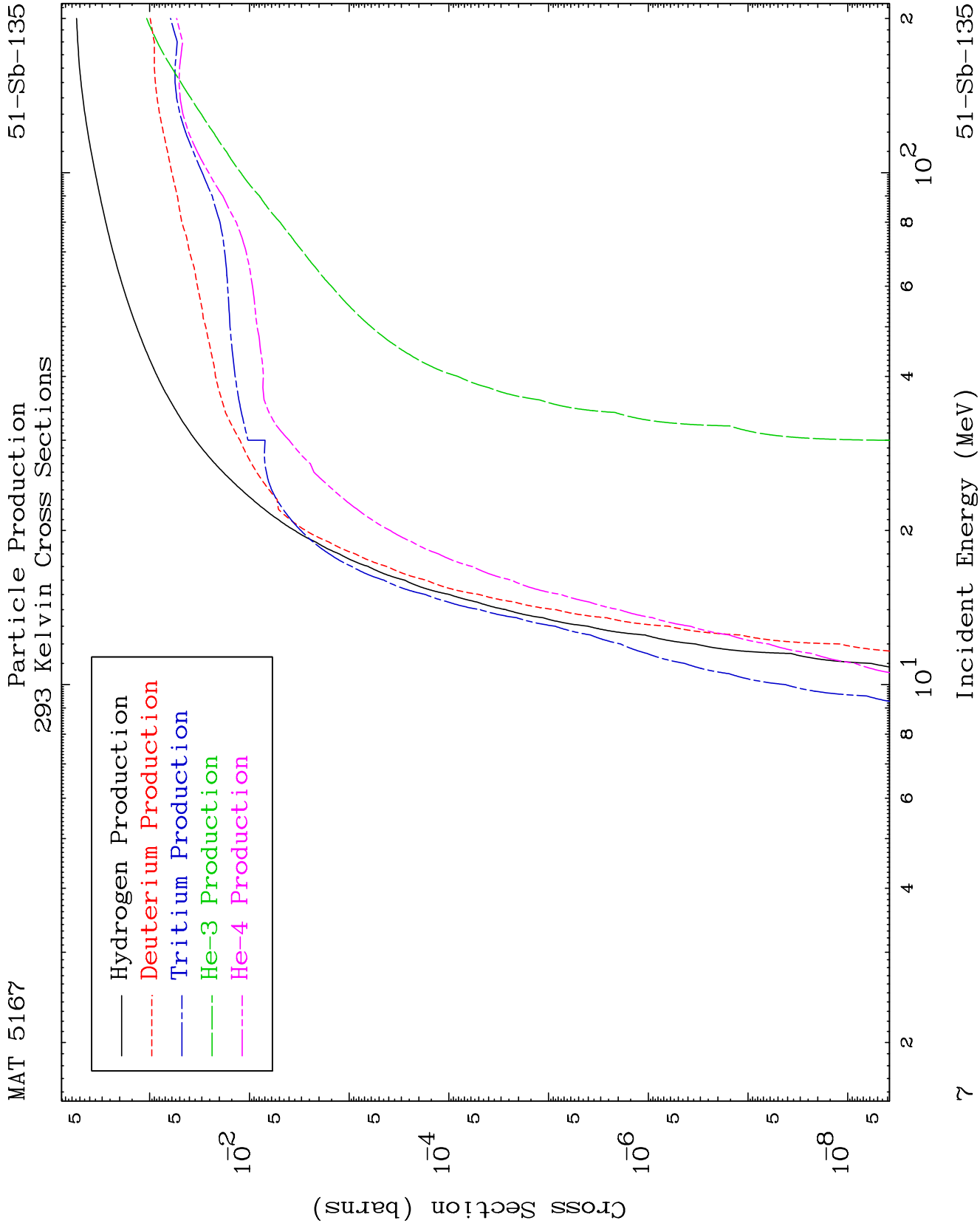
51-Sb-135

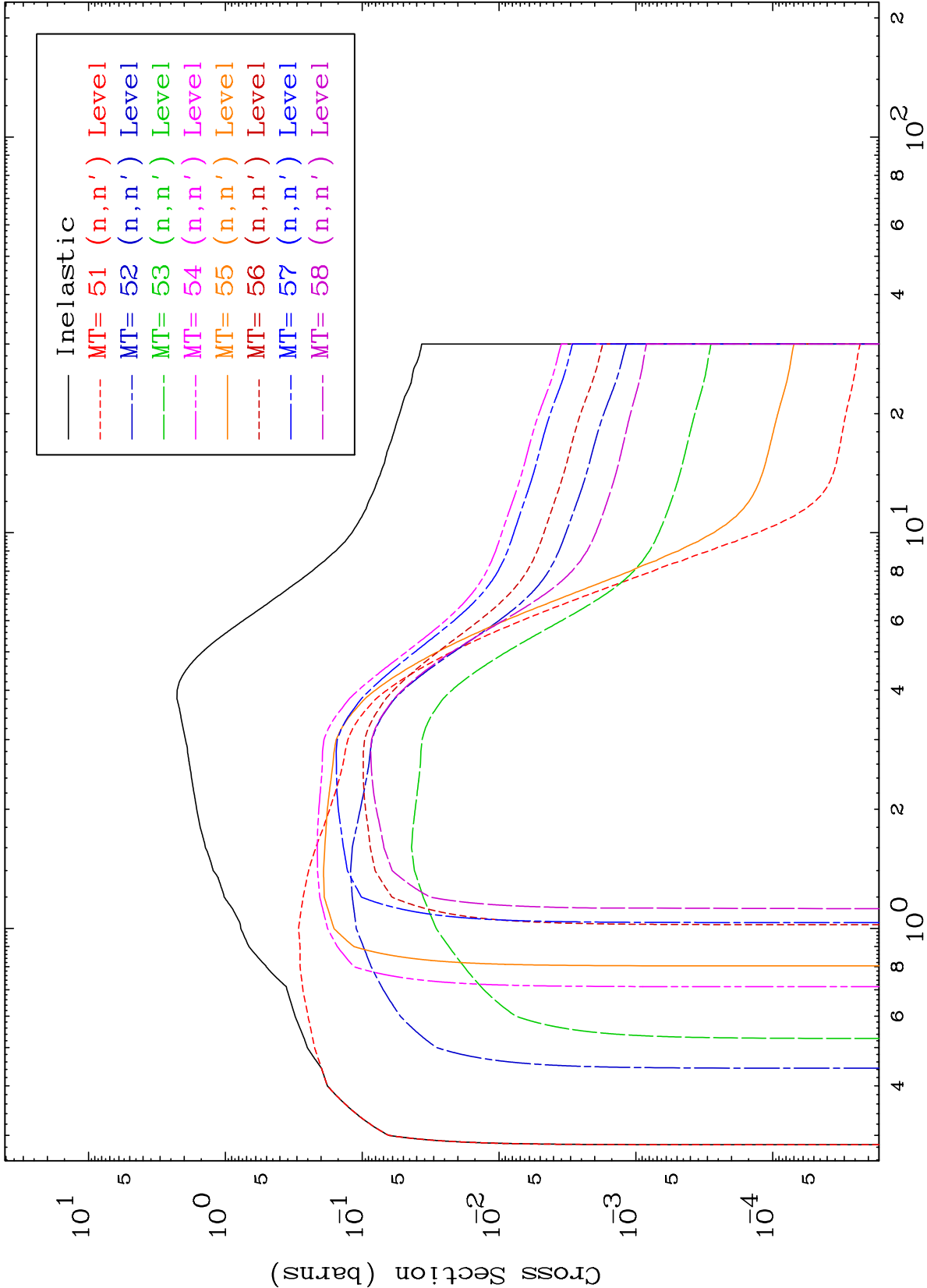


6

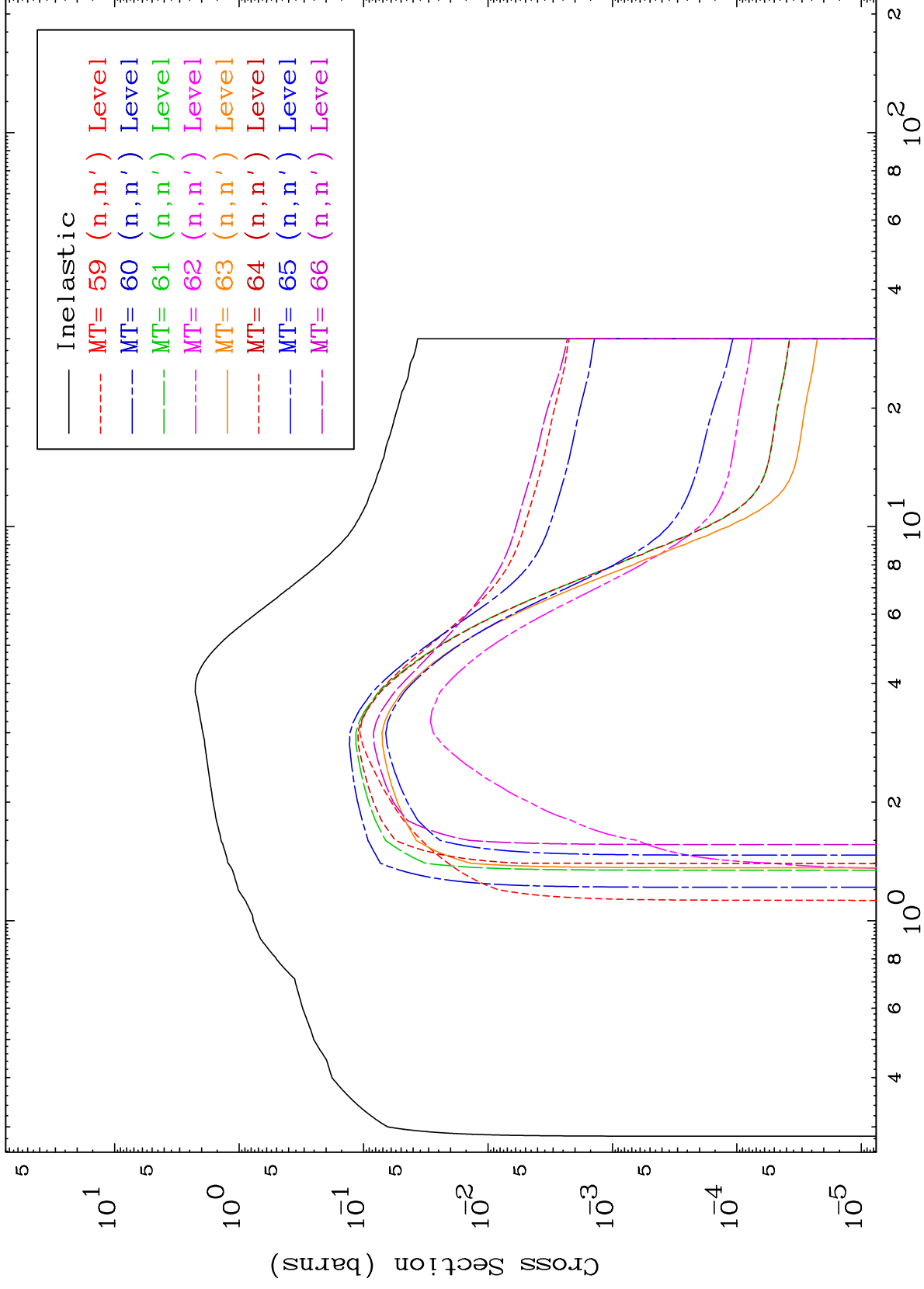
Incident Energy (MeV)

51-Sb-135





(n,n') Levels
293 Kelvin Cross Sections

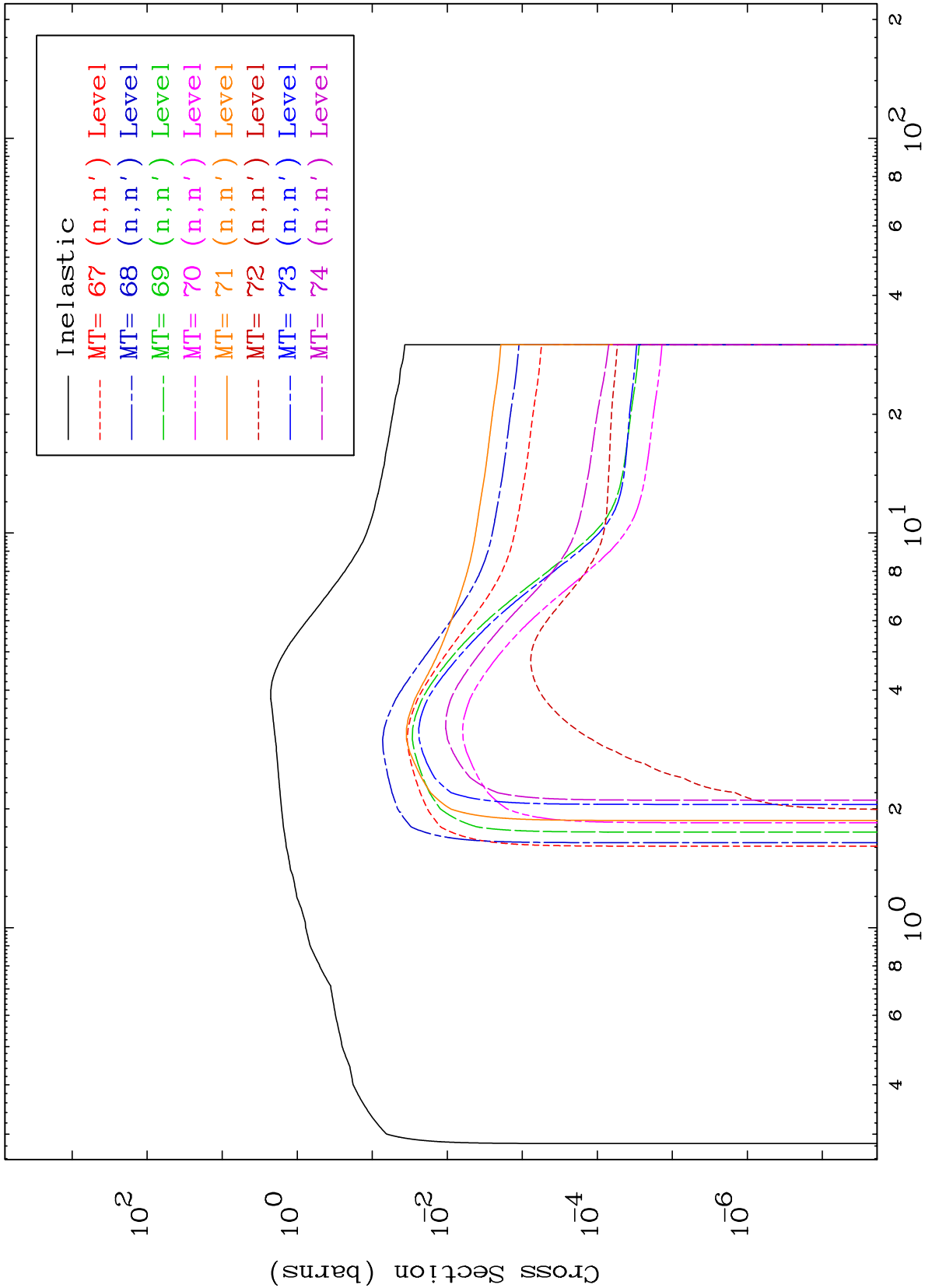


MAT 5167

(n,n') Levels

293 Kelvin Cross Sections

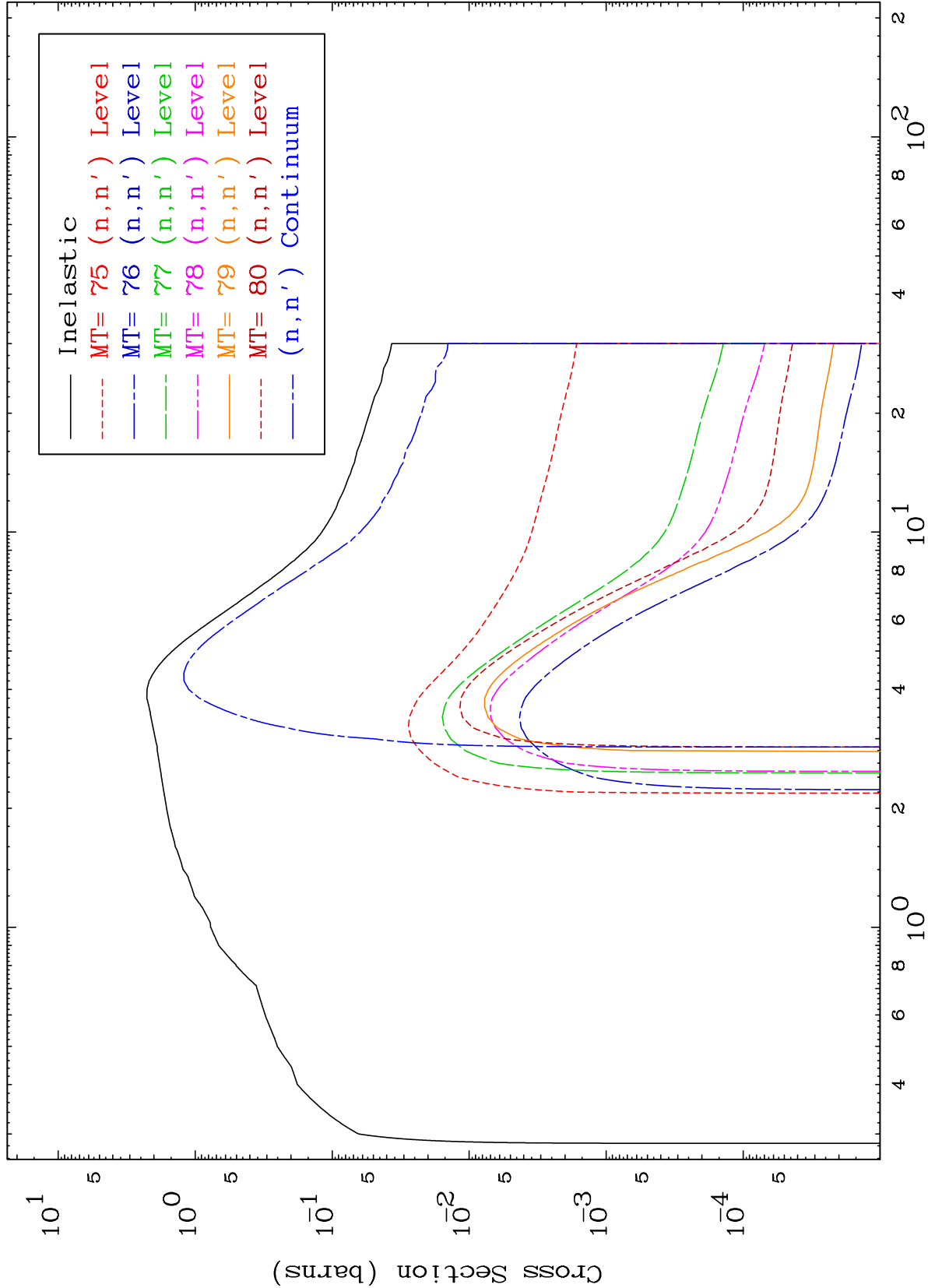
51-Sb-135



10

Incident Energy (MeV)

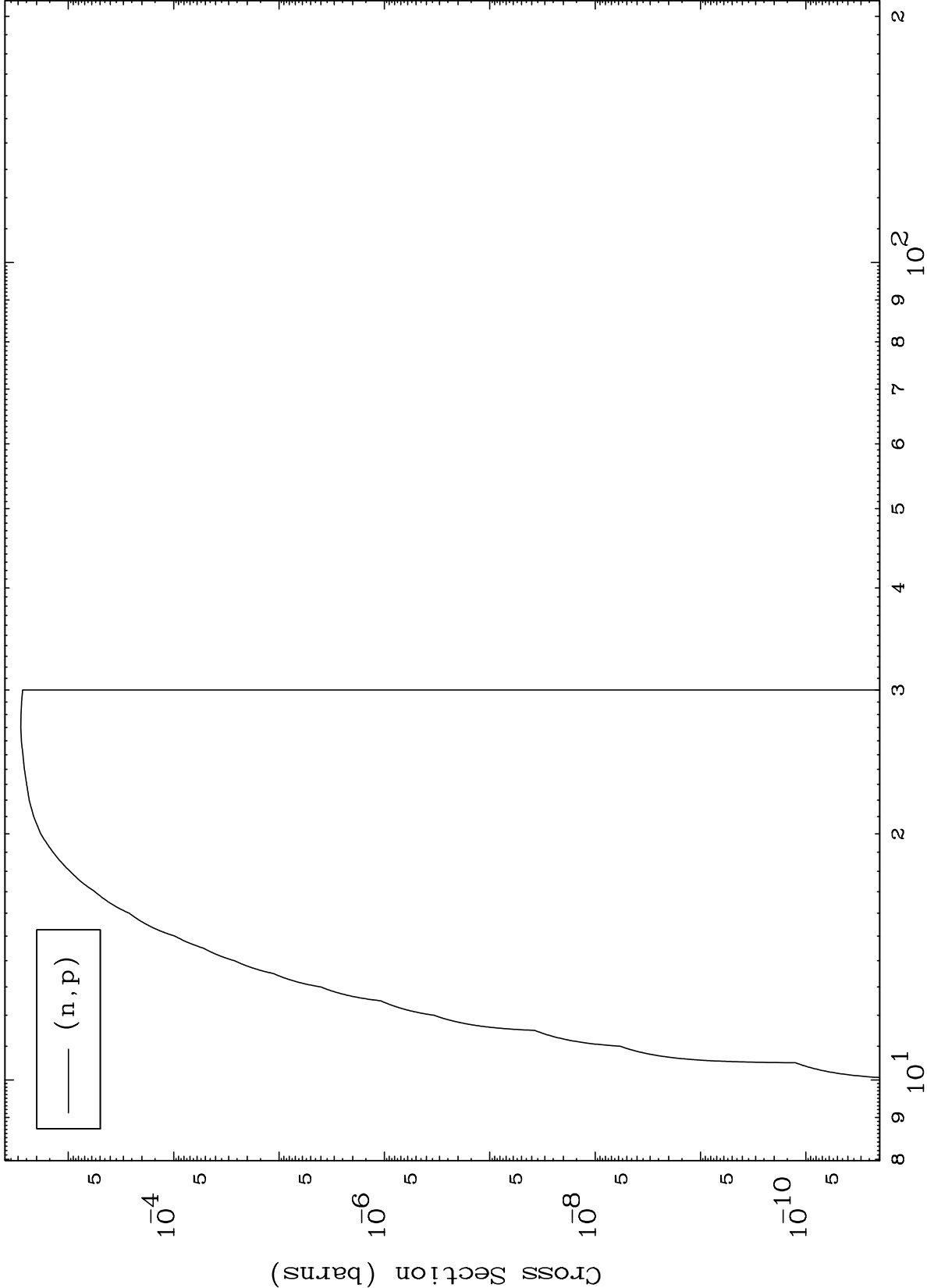
51-Sb-135



MAT 5167

(n,p) Levels
293 Kelvin Cross Sections

51-Sb-135



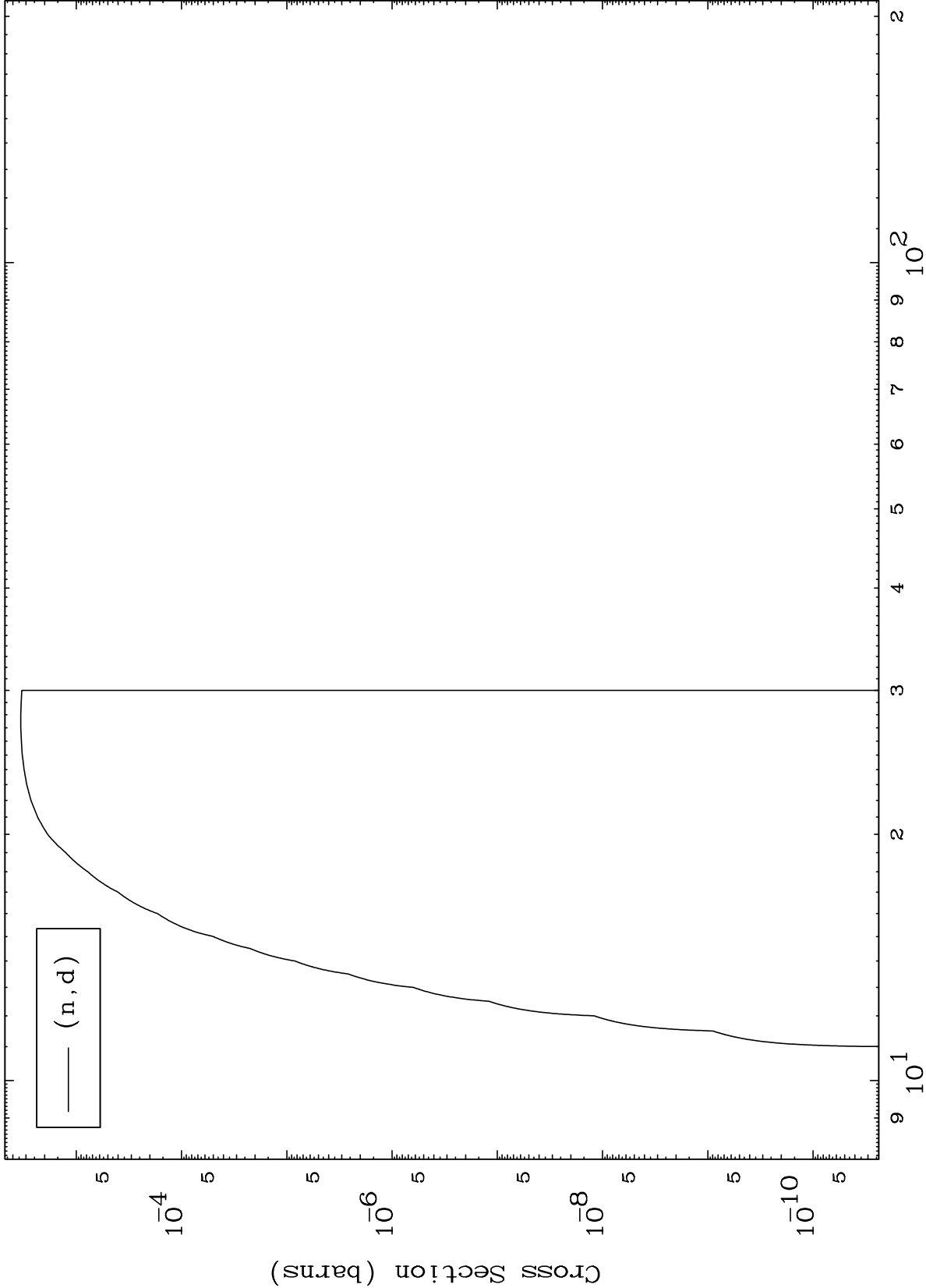
Incident Energy (MeV)

51-Sb-135

MAT 5167

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-135



13

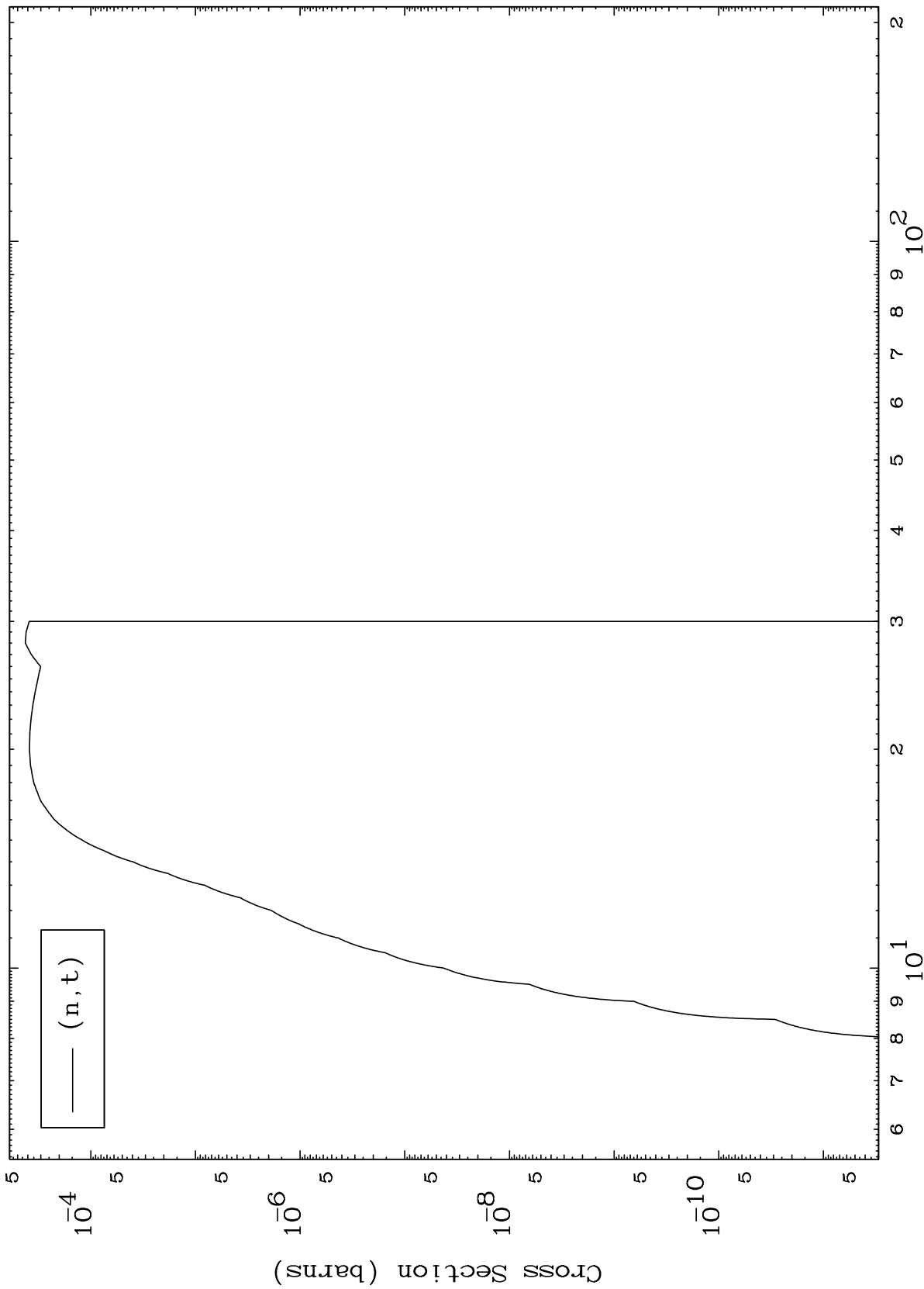
Incident Energy (MeV)

51-Sb-135

MAT 5167

51-Sb-135

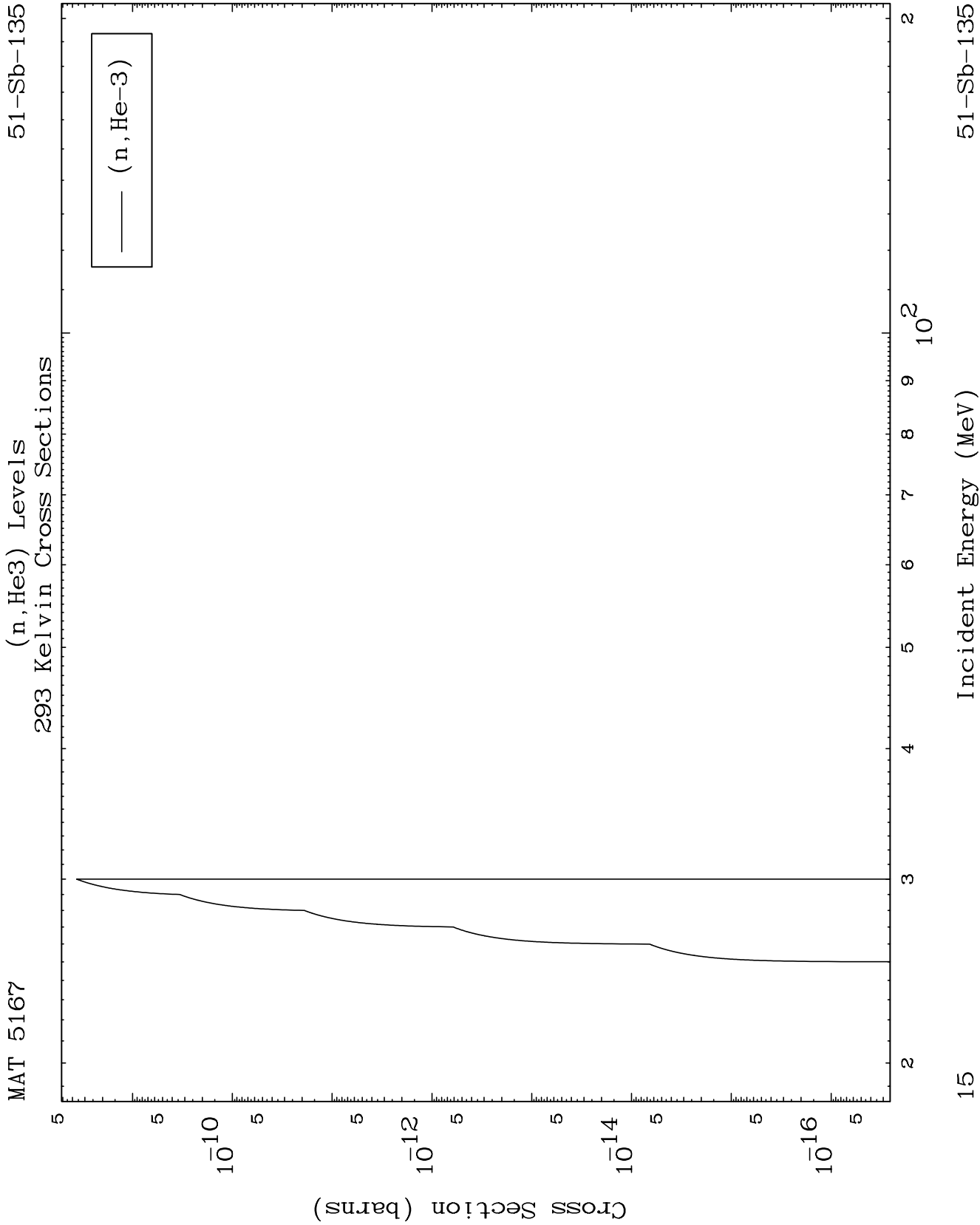
(n,t) Levels
293 Kelvin Cross Sections



51-Sb-135

Incident Energy (MeV)

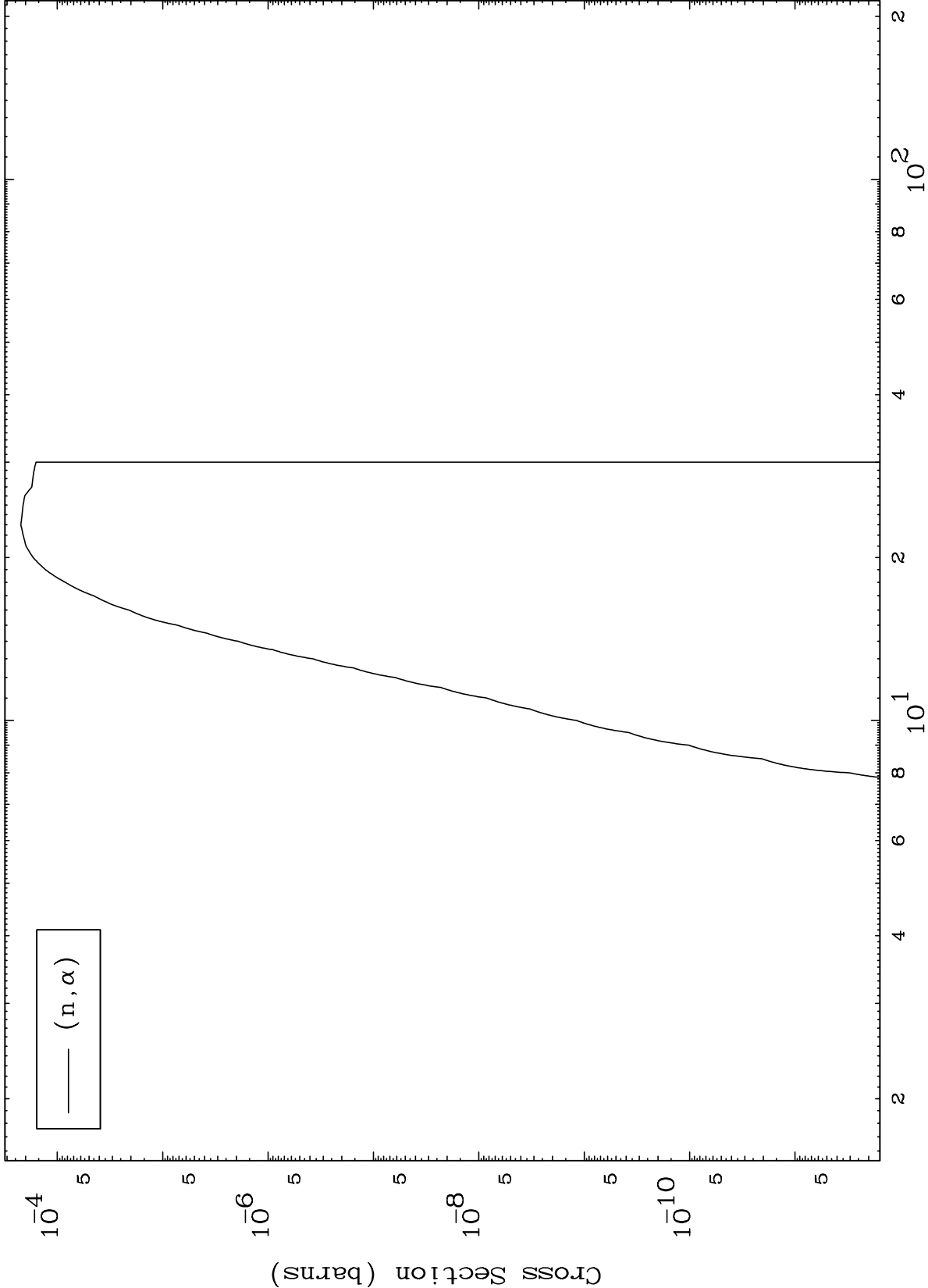
14

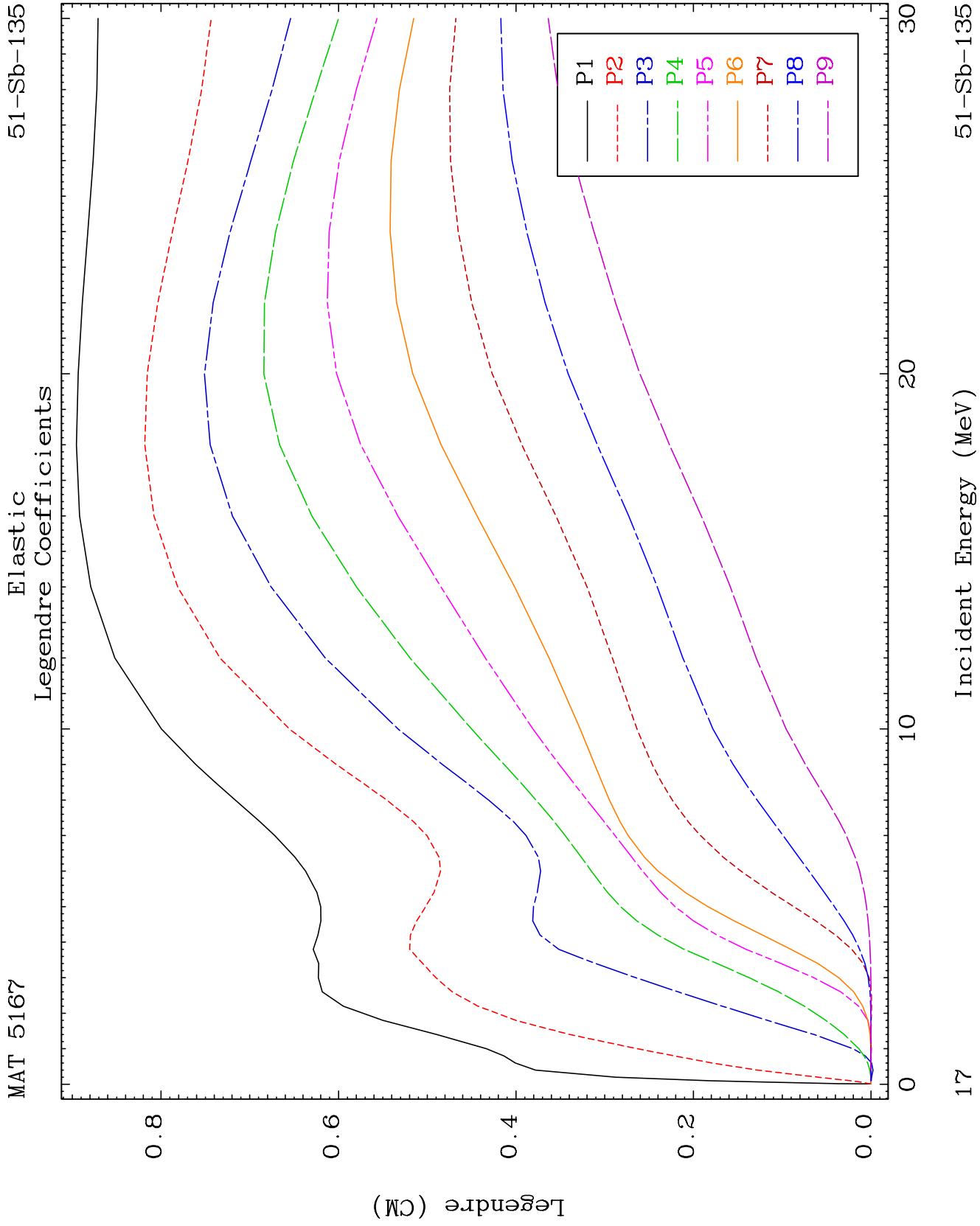


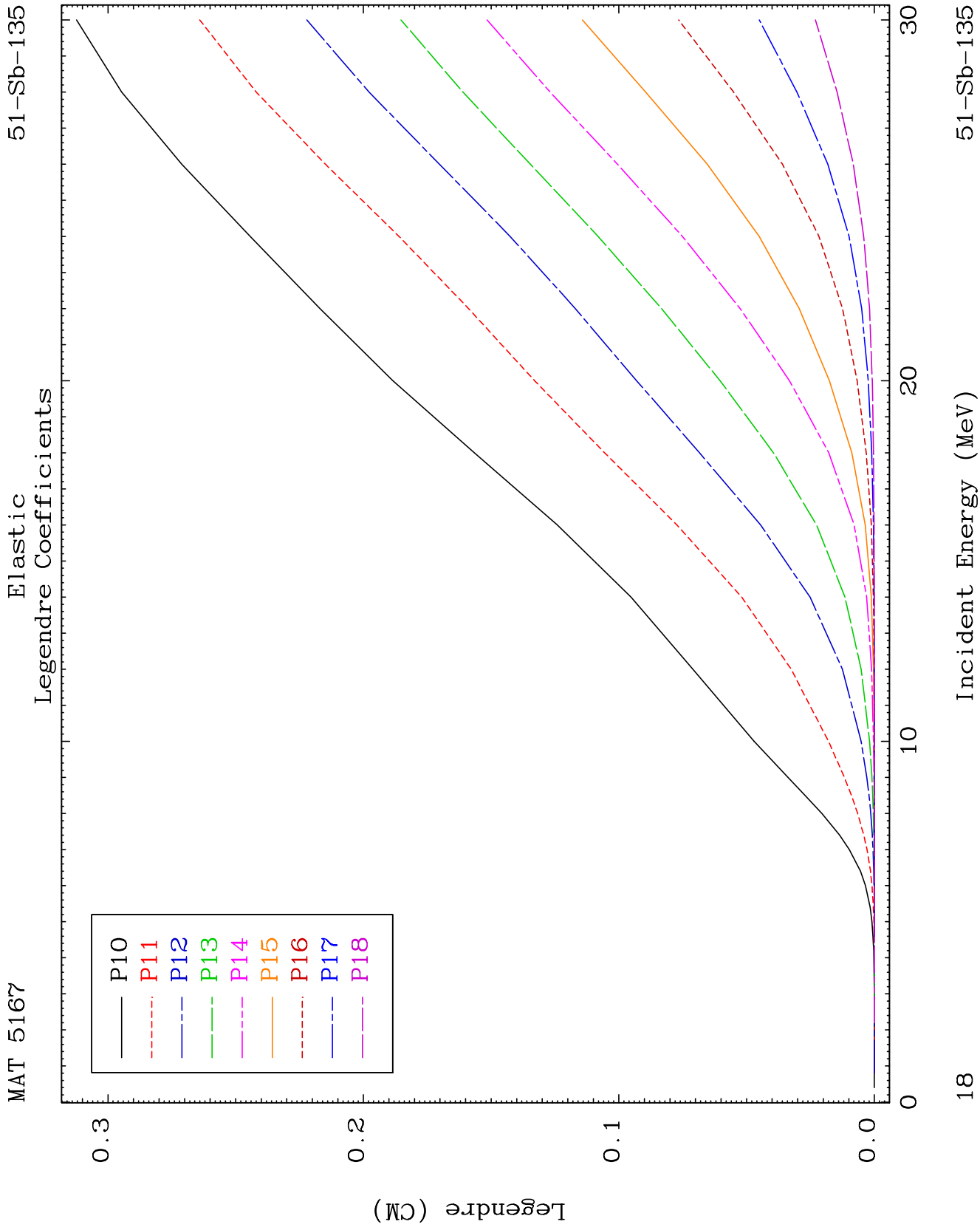
MAT 5167

(n, α) Levels
293 Kelvin Cross Sections

51-Sb-135



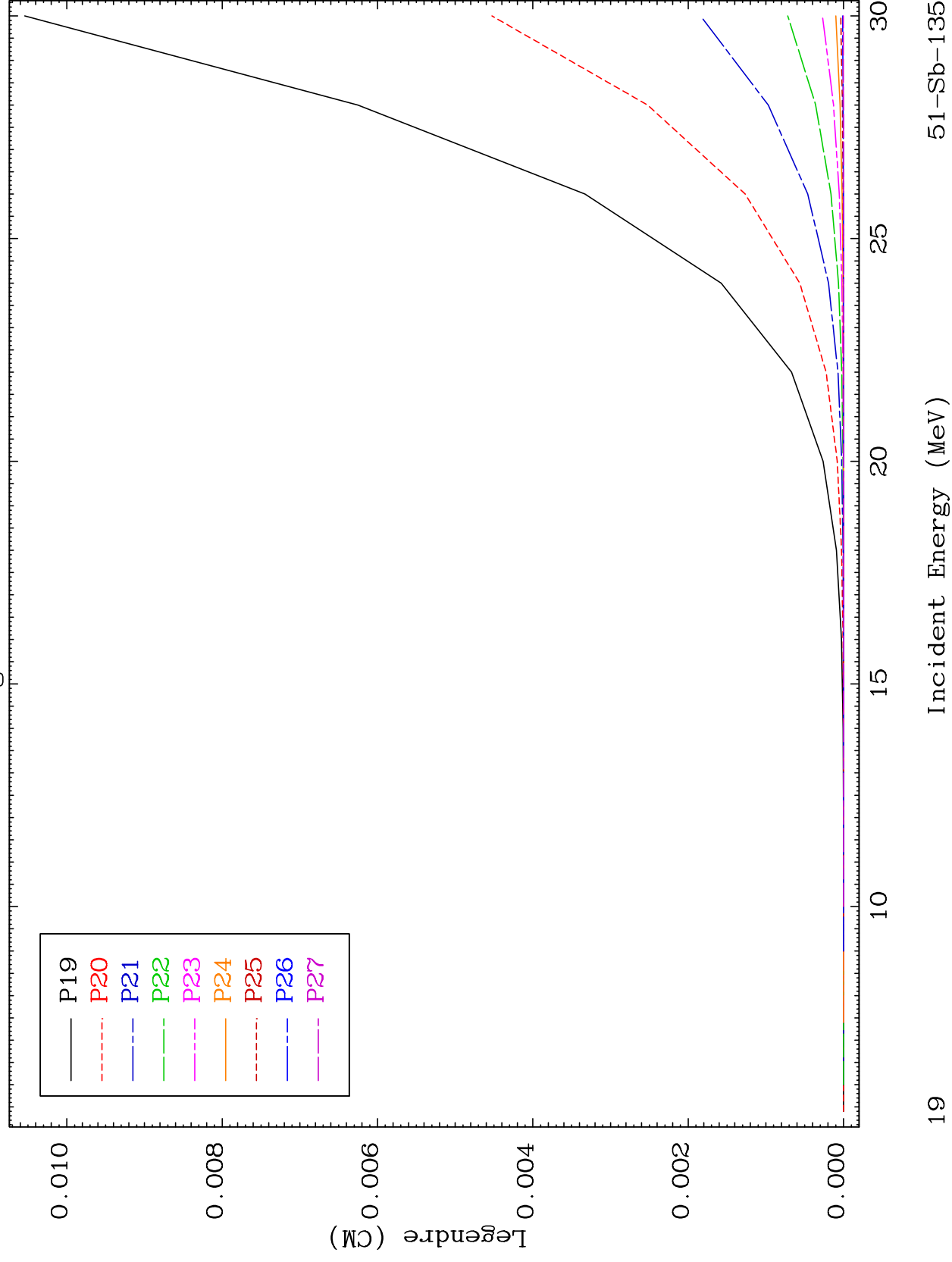


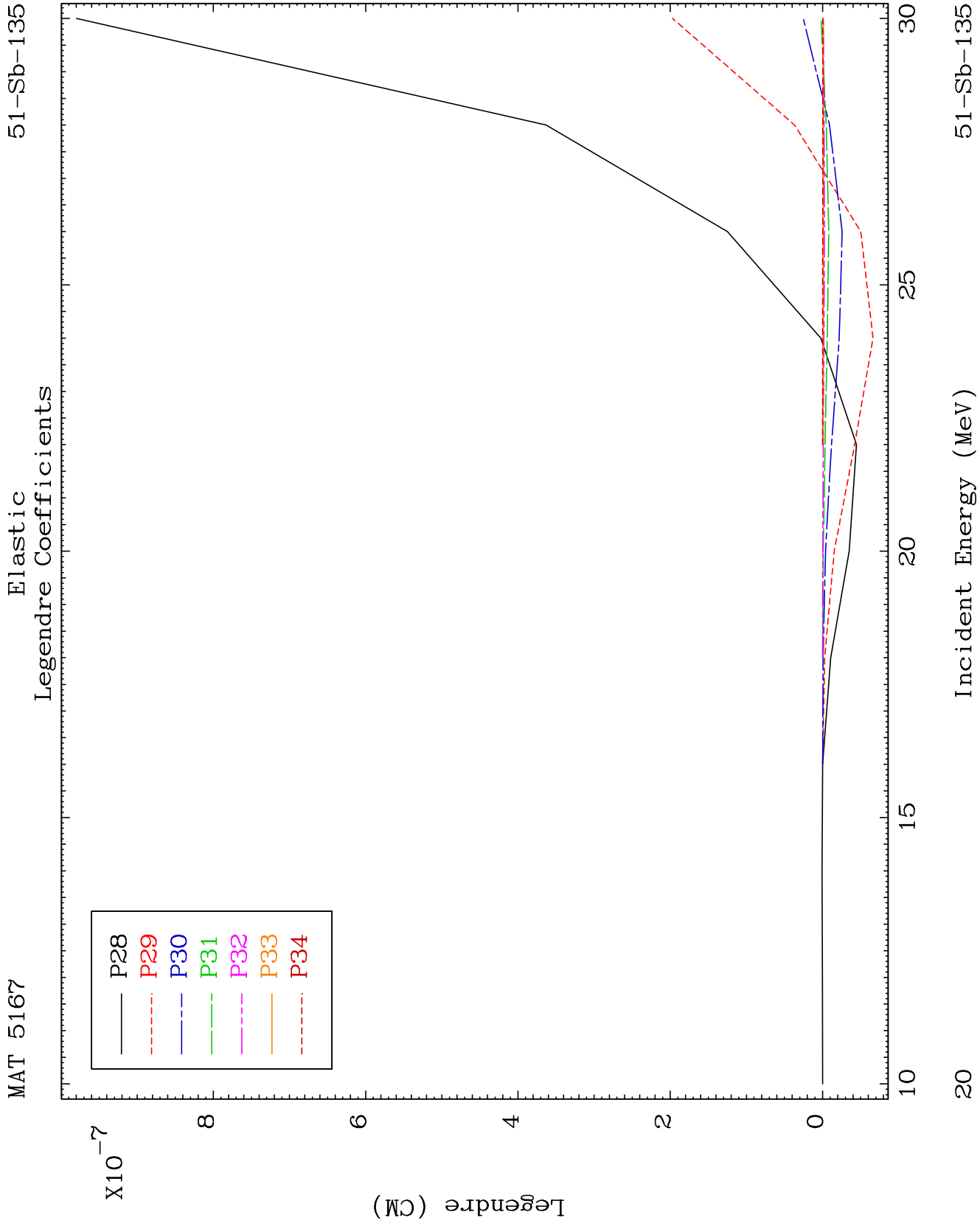


MAT 5167

Elastic Legendre Coefficients

51-Sb-135

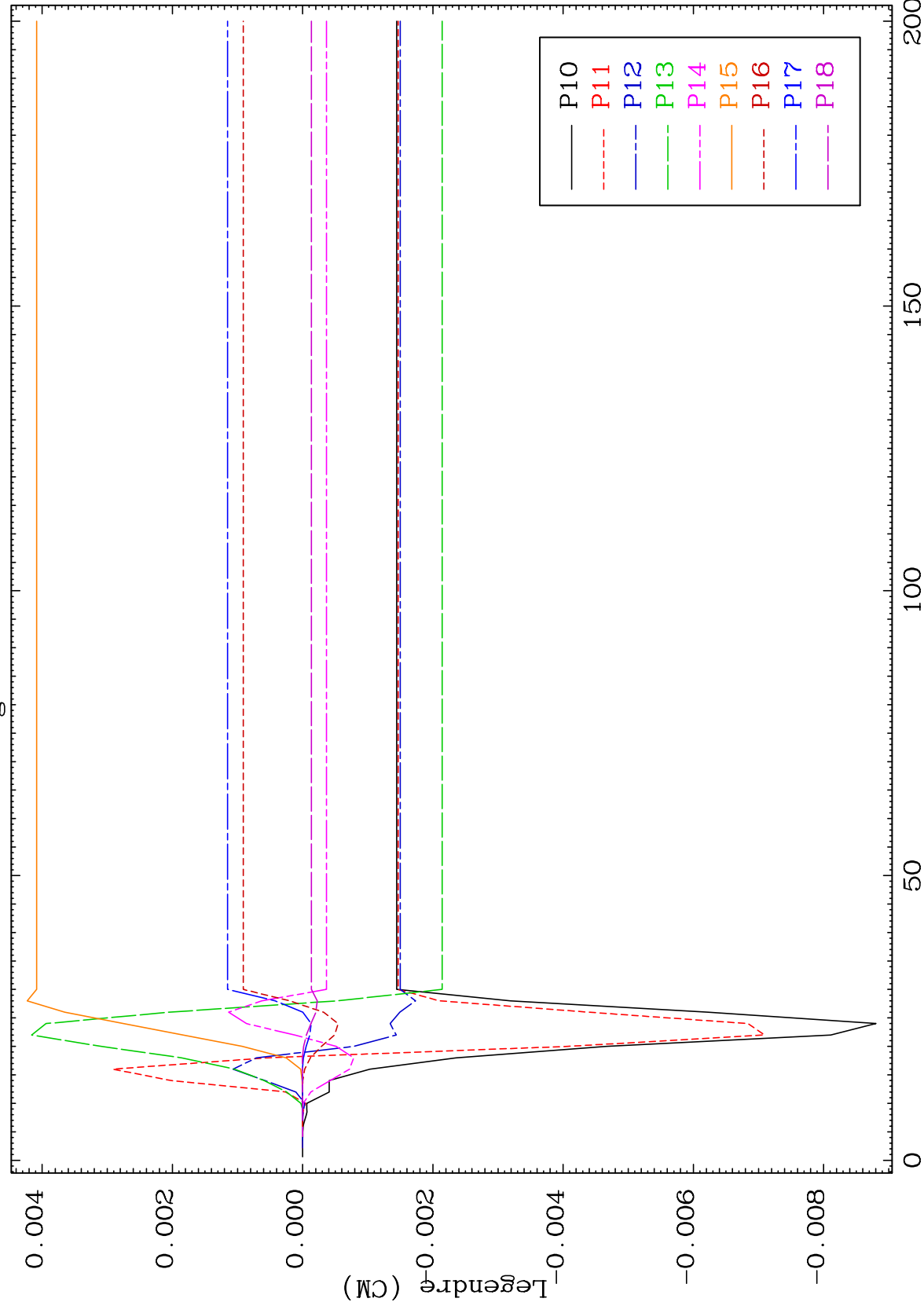




MAT 5167

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

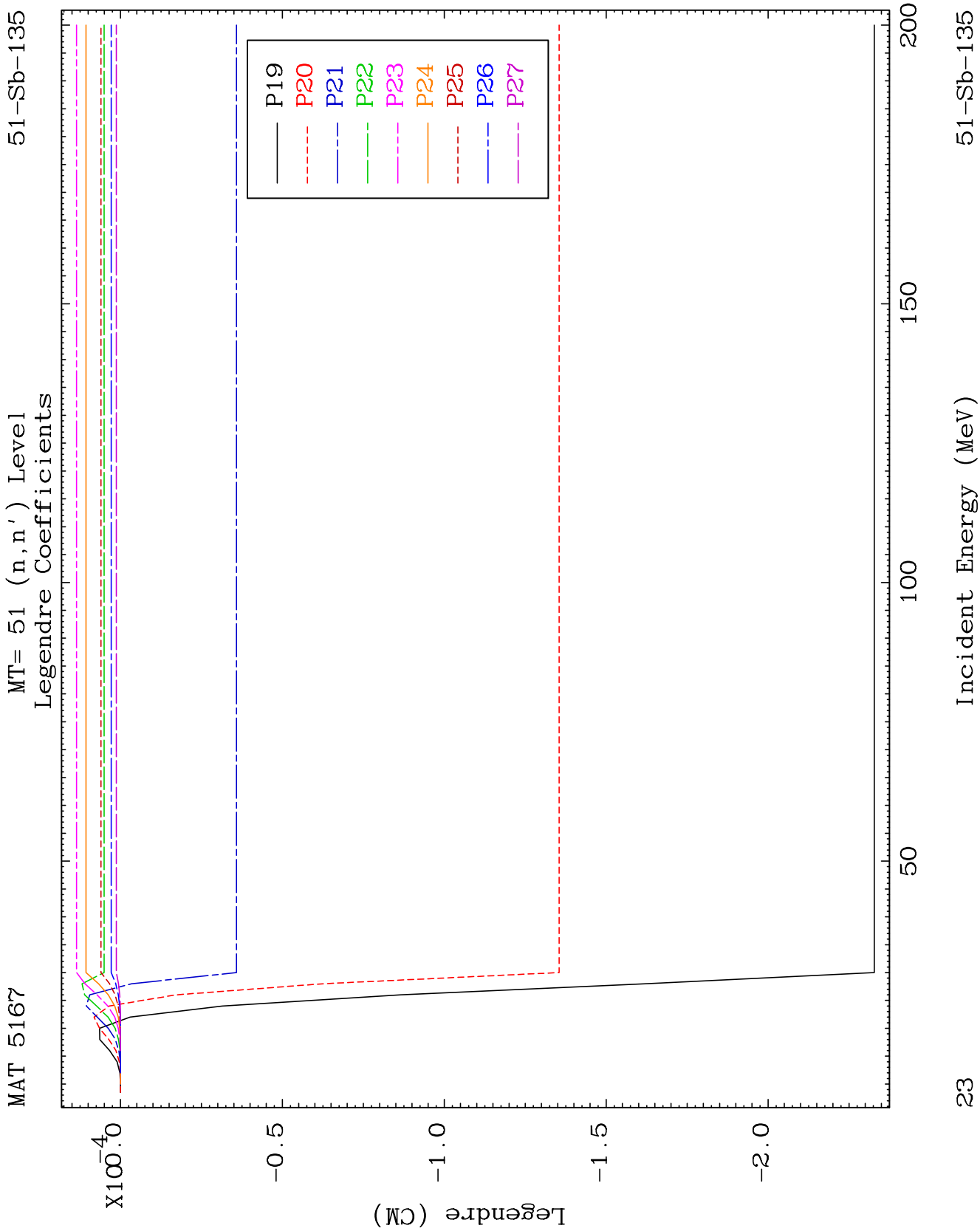
51-Sb-135

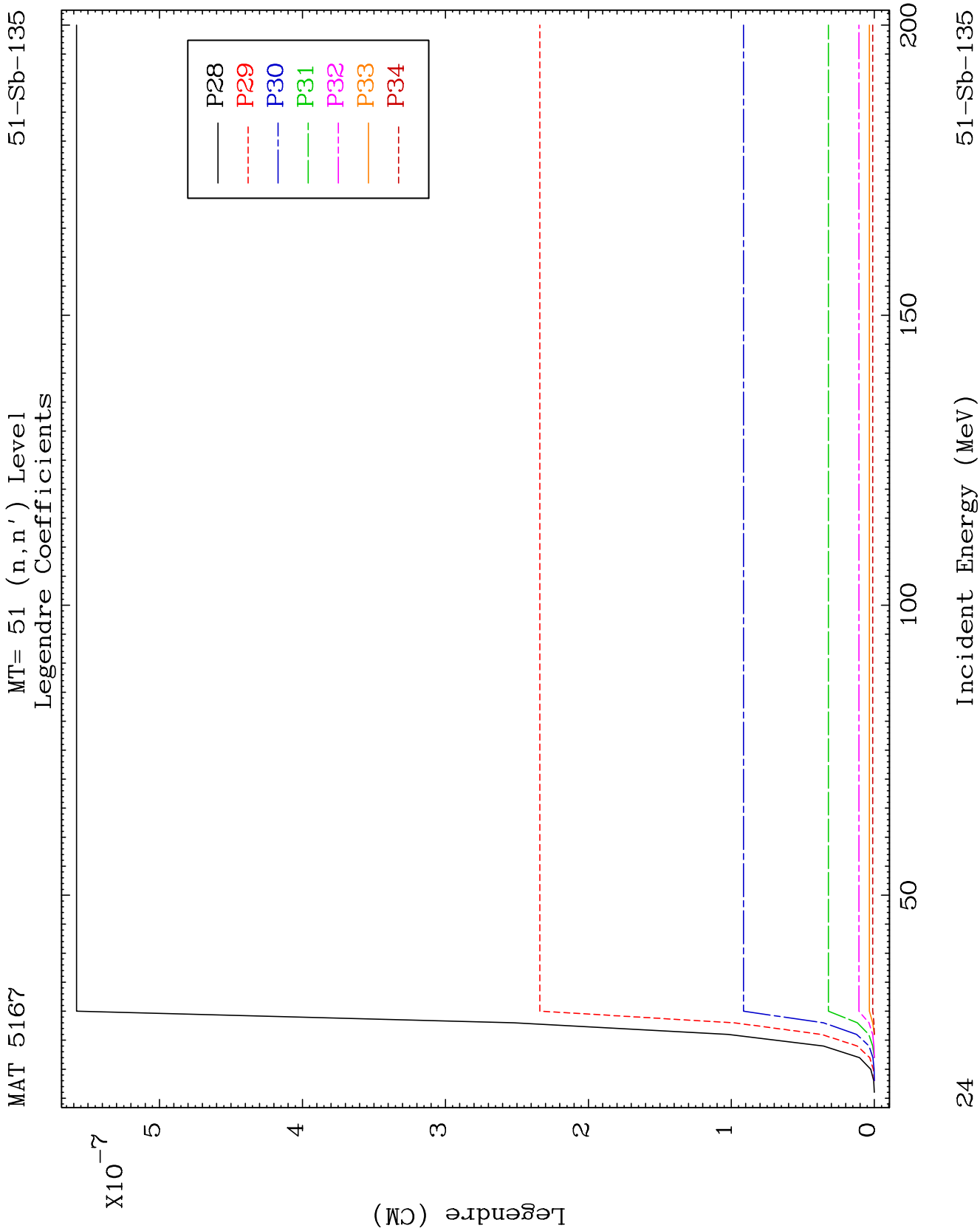


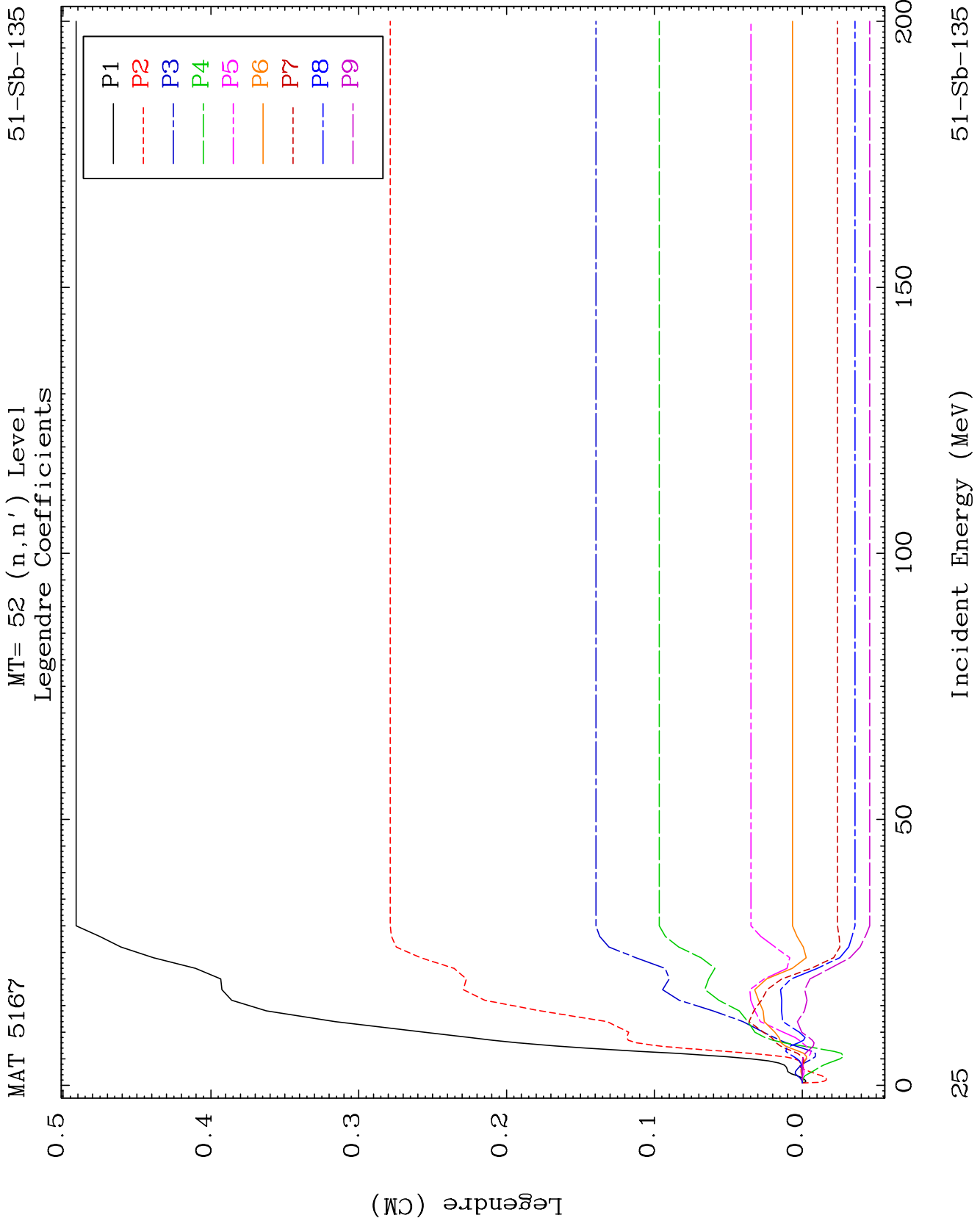
22

Incident Energy (MeV)

51-Sb-135



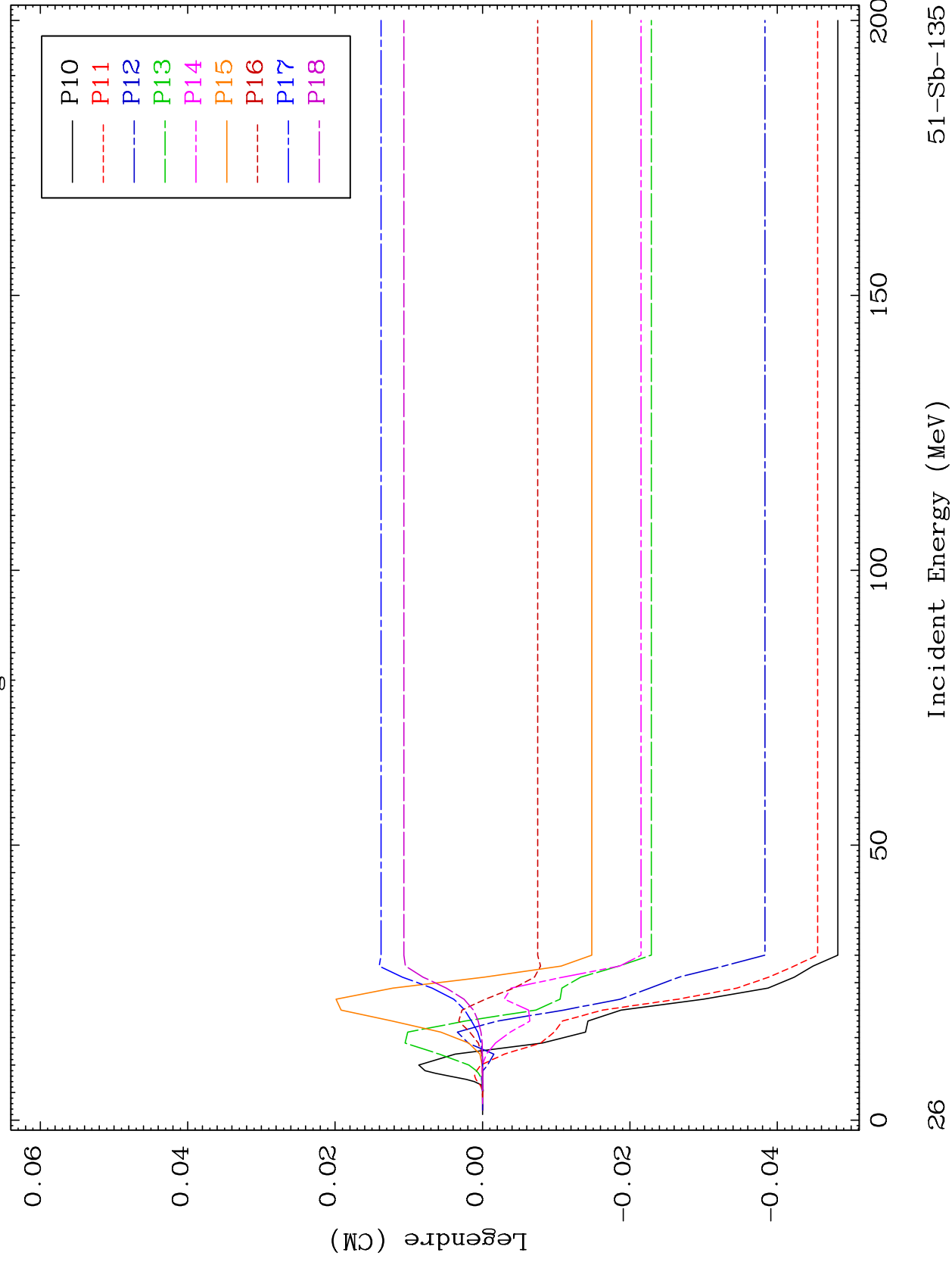


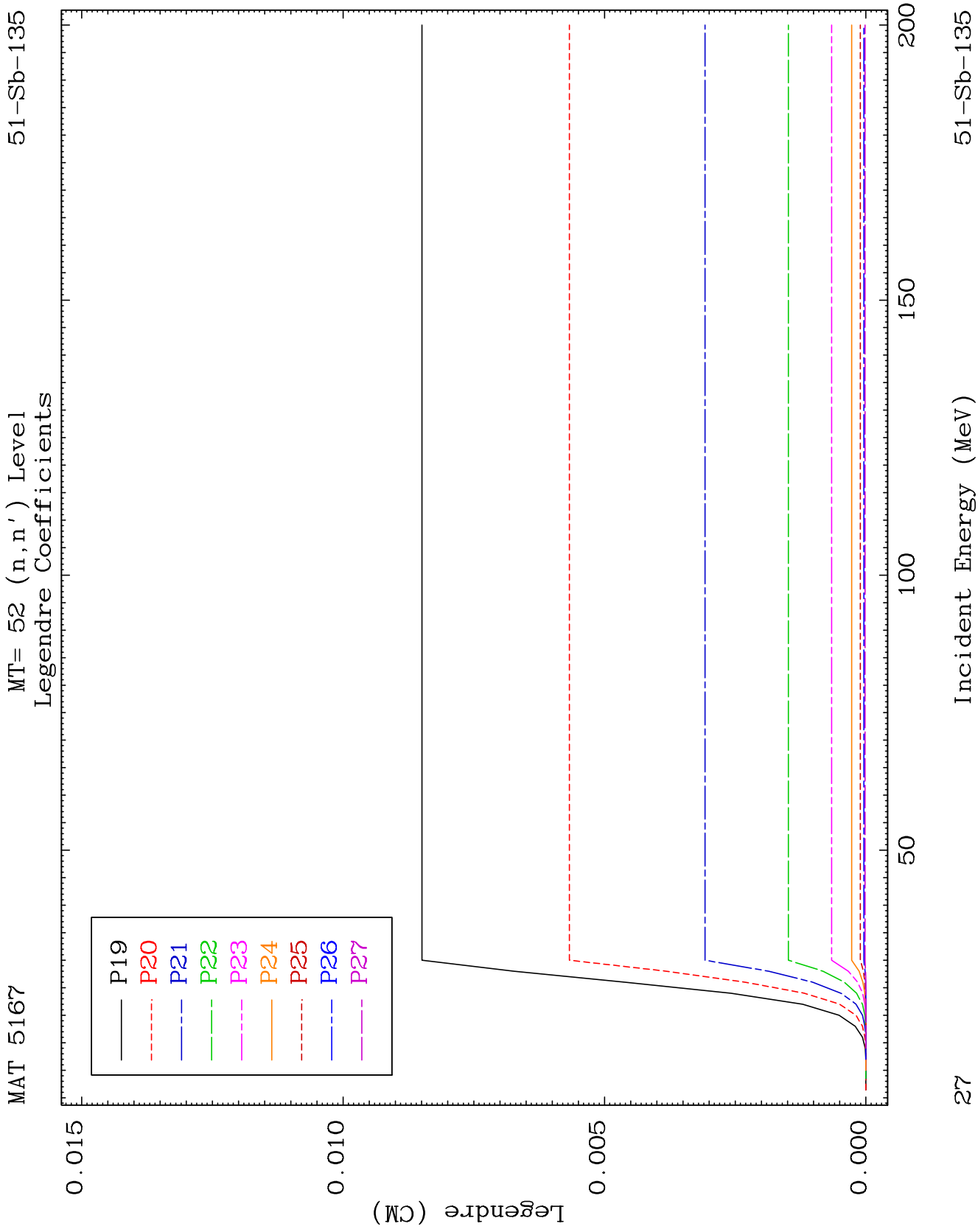


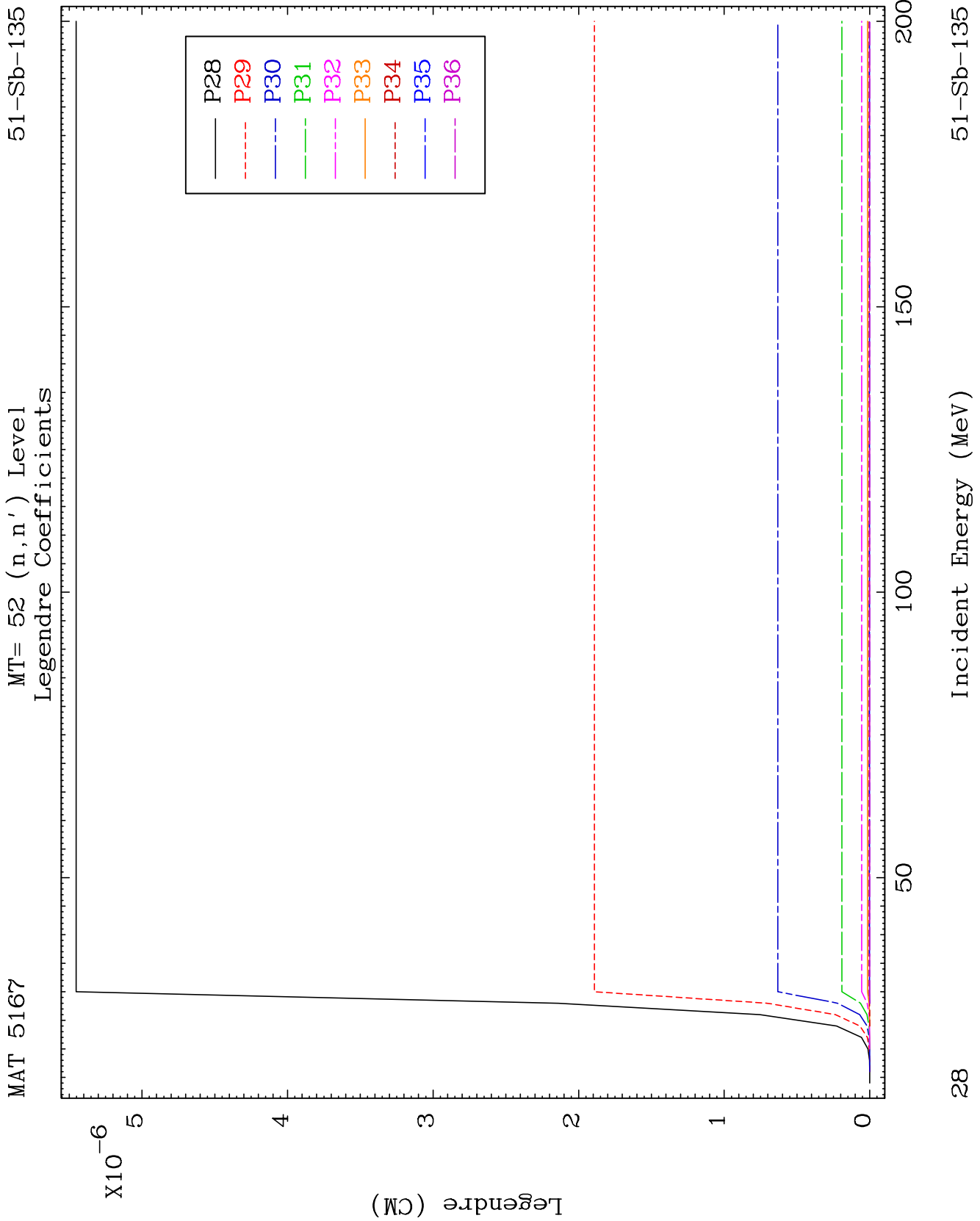
MAT 5167

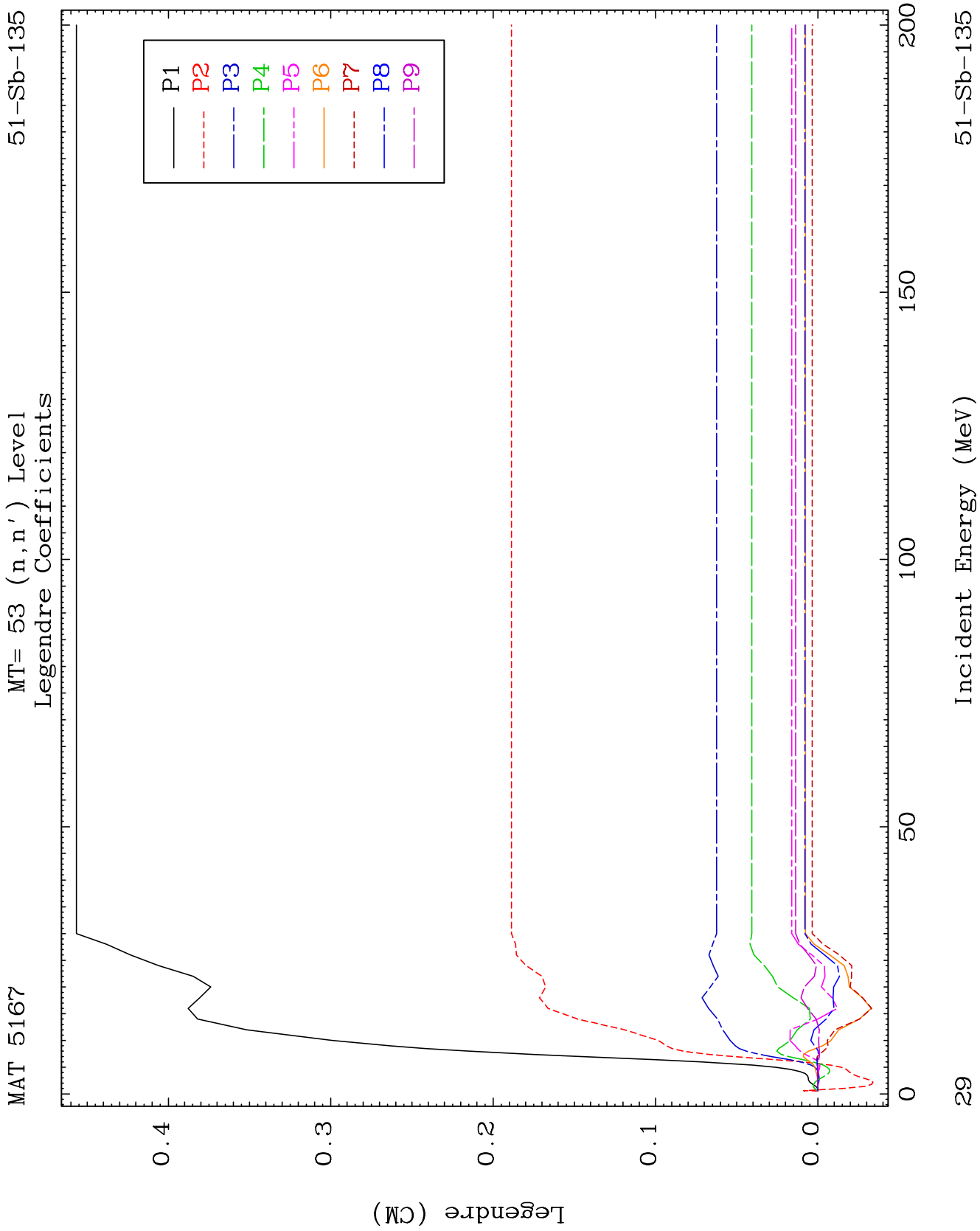
MT= 52 (n, n') Level
Legendre Coefficients

51-Sb-135





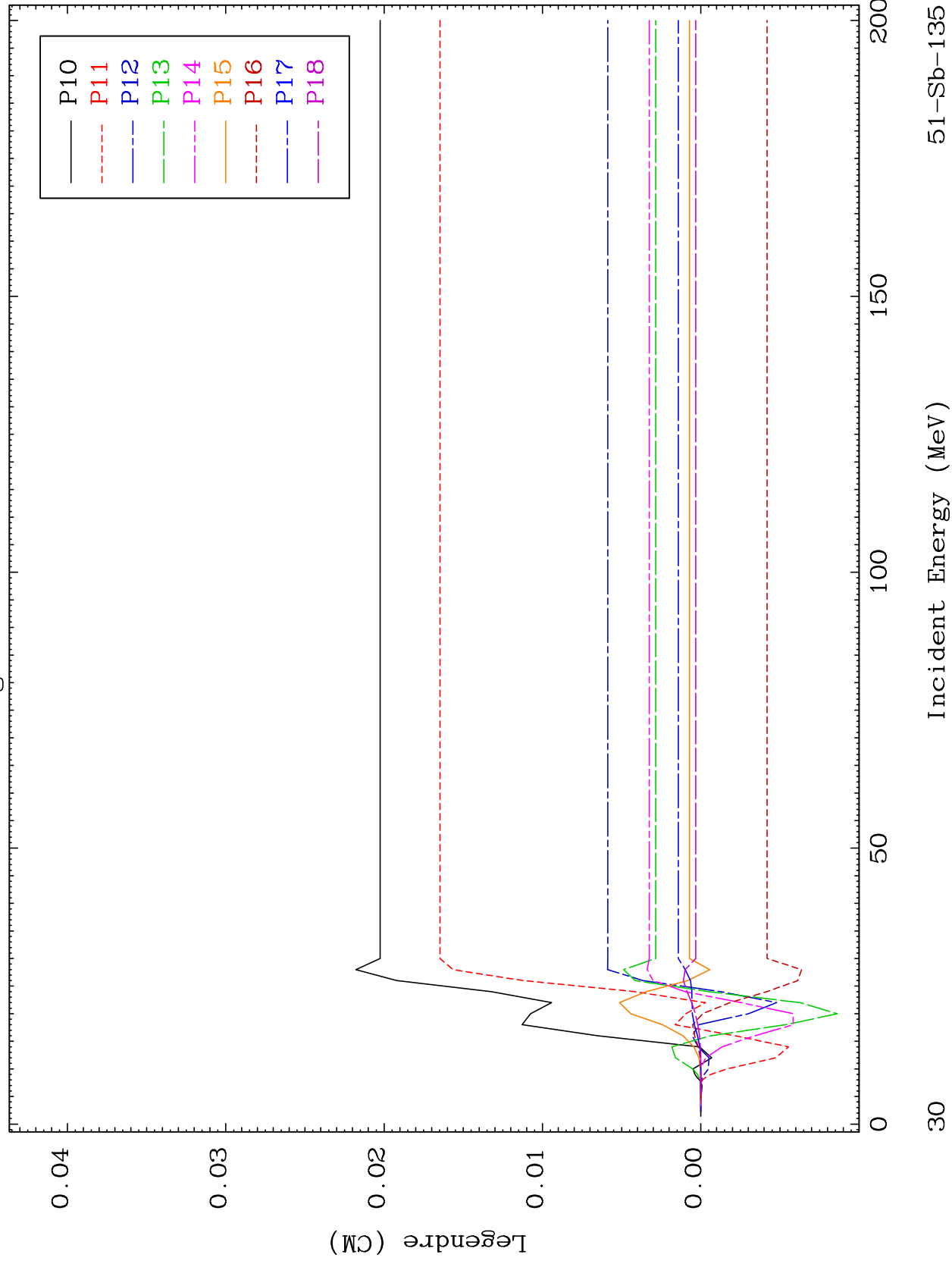


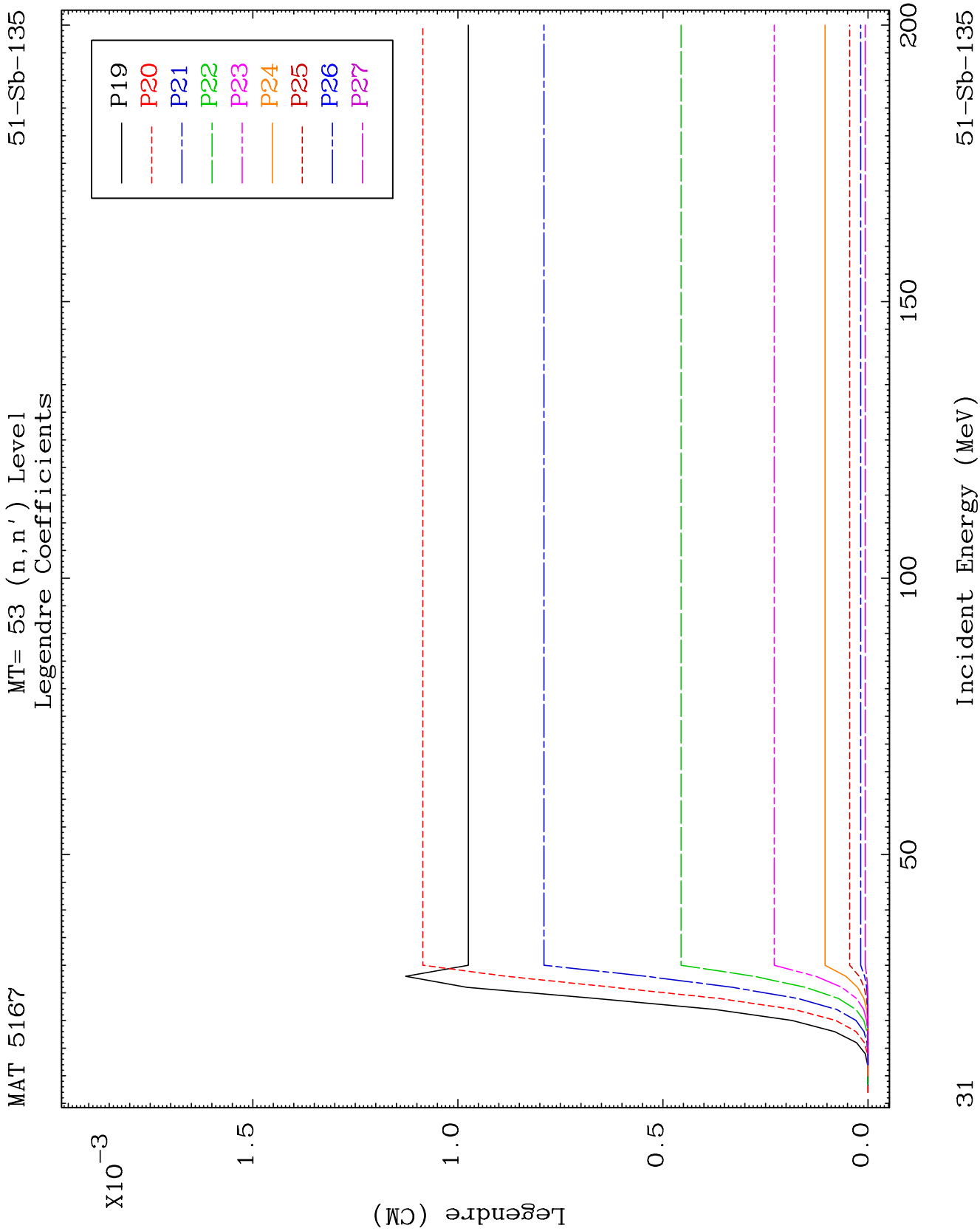


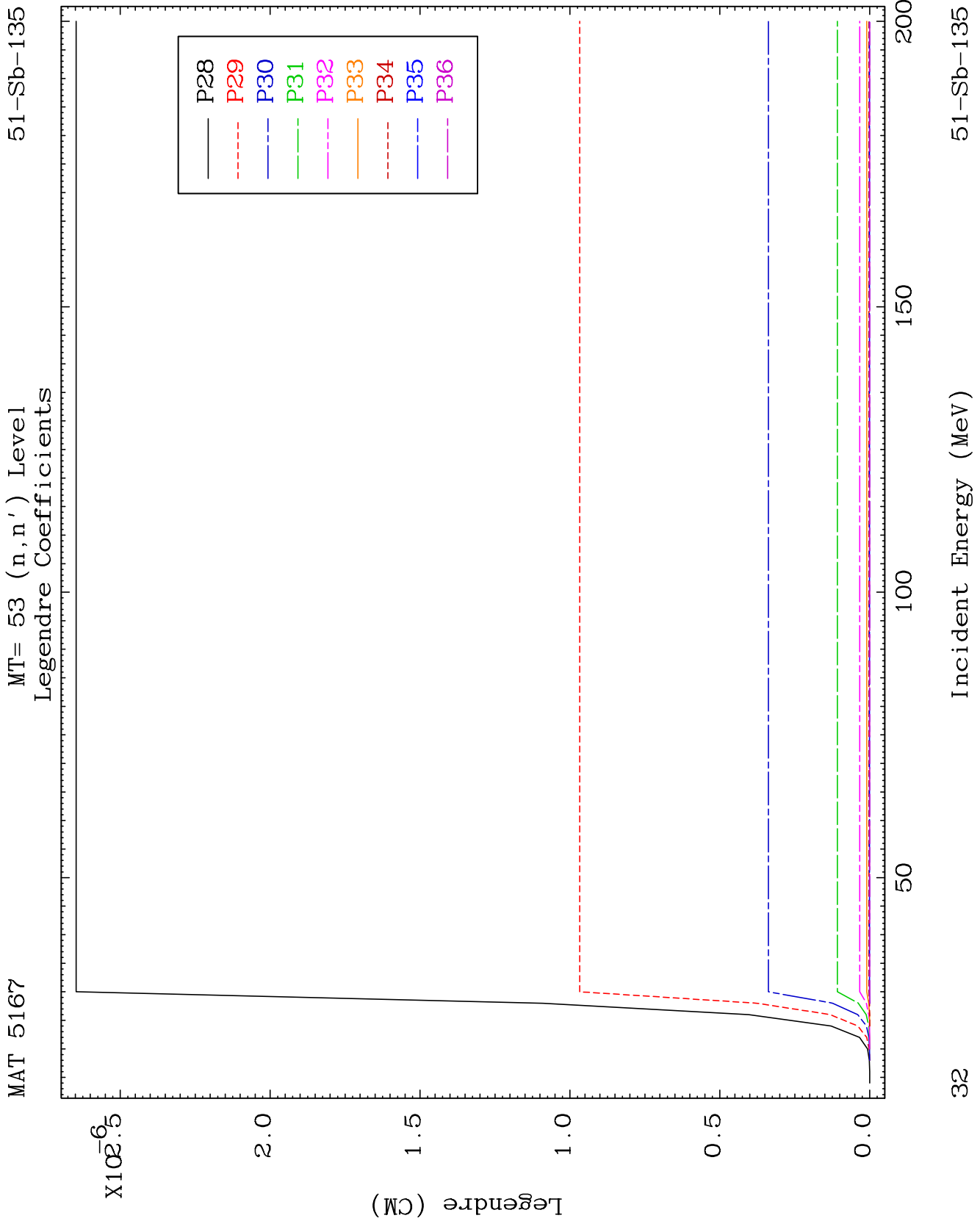
MAT 5167

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

51-Sb-135



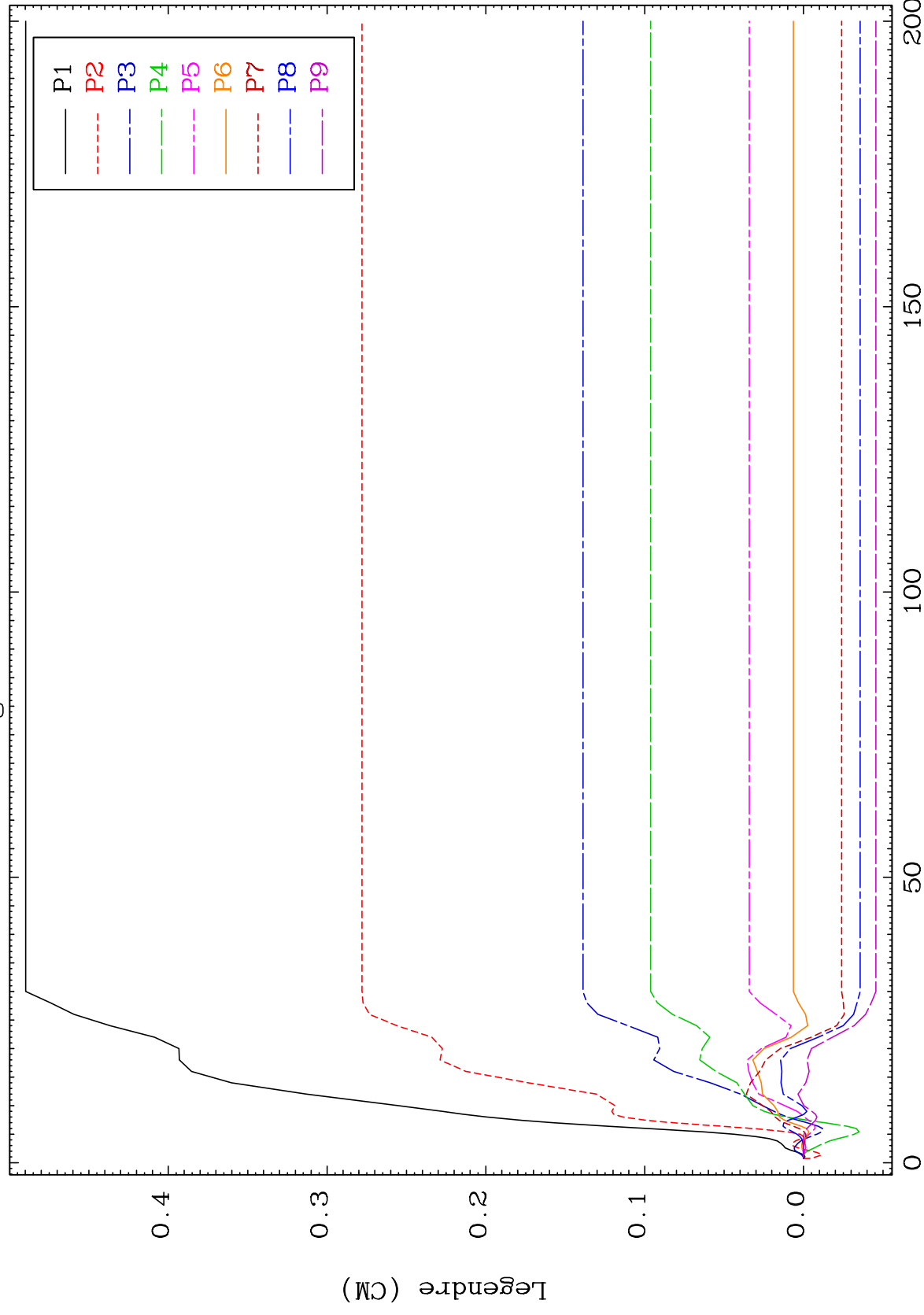




MAT 5167

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

51-Sb-135



33

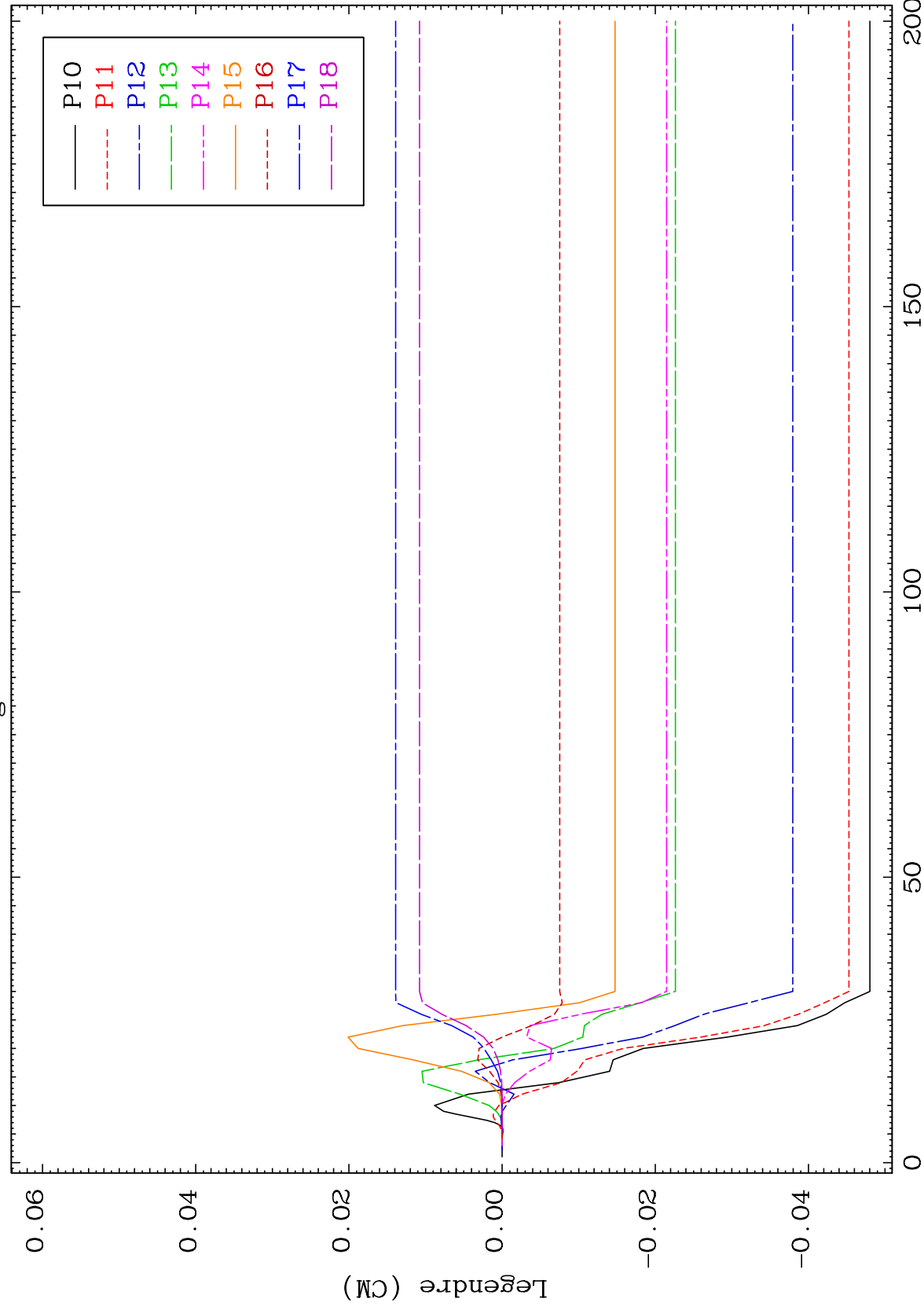
Incident Energy (MeV)

51-Sb-135

MAT 5167

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

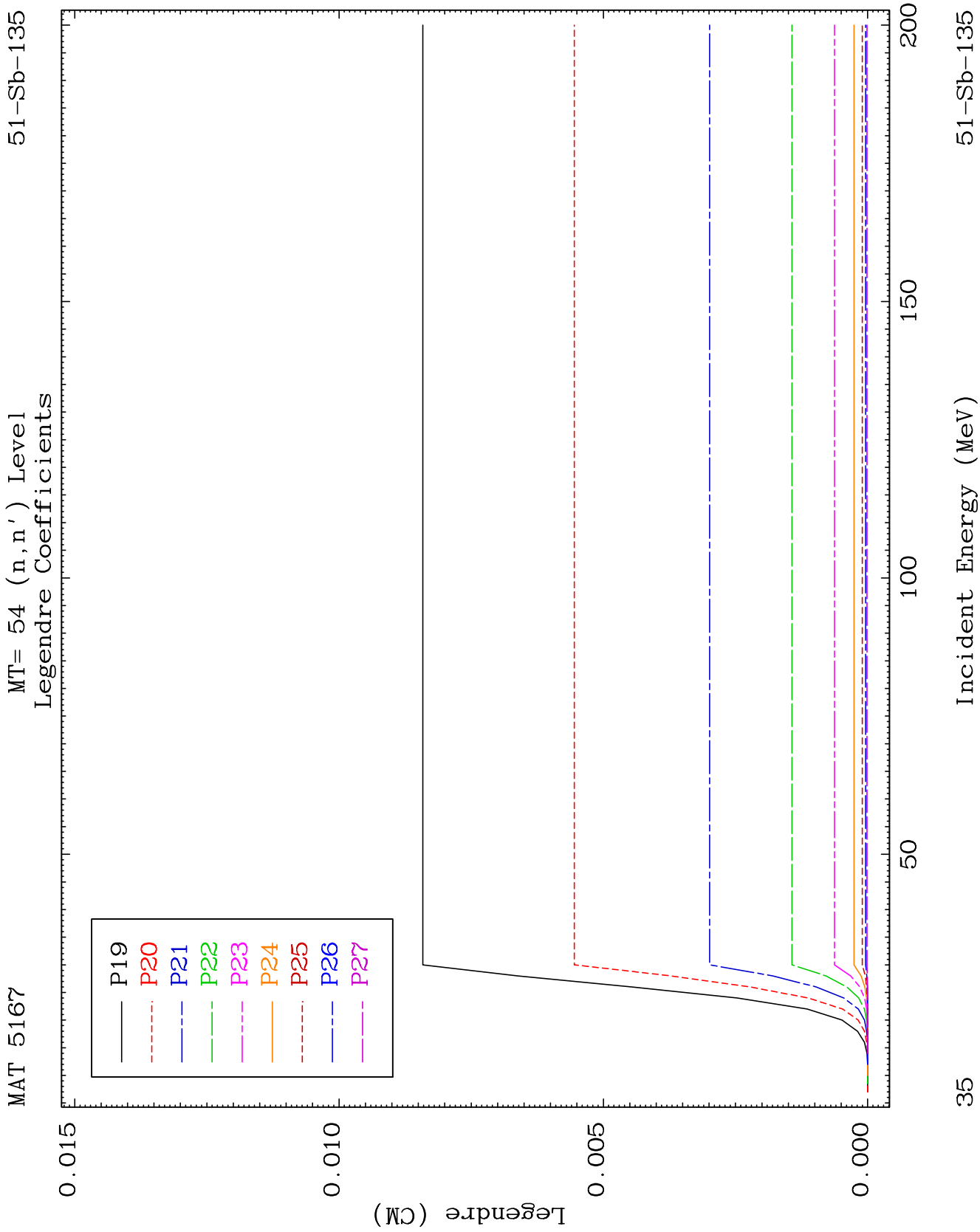
51-Sb-135

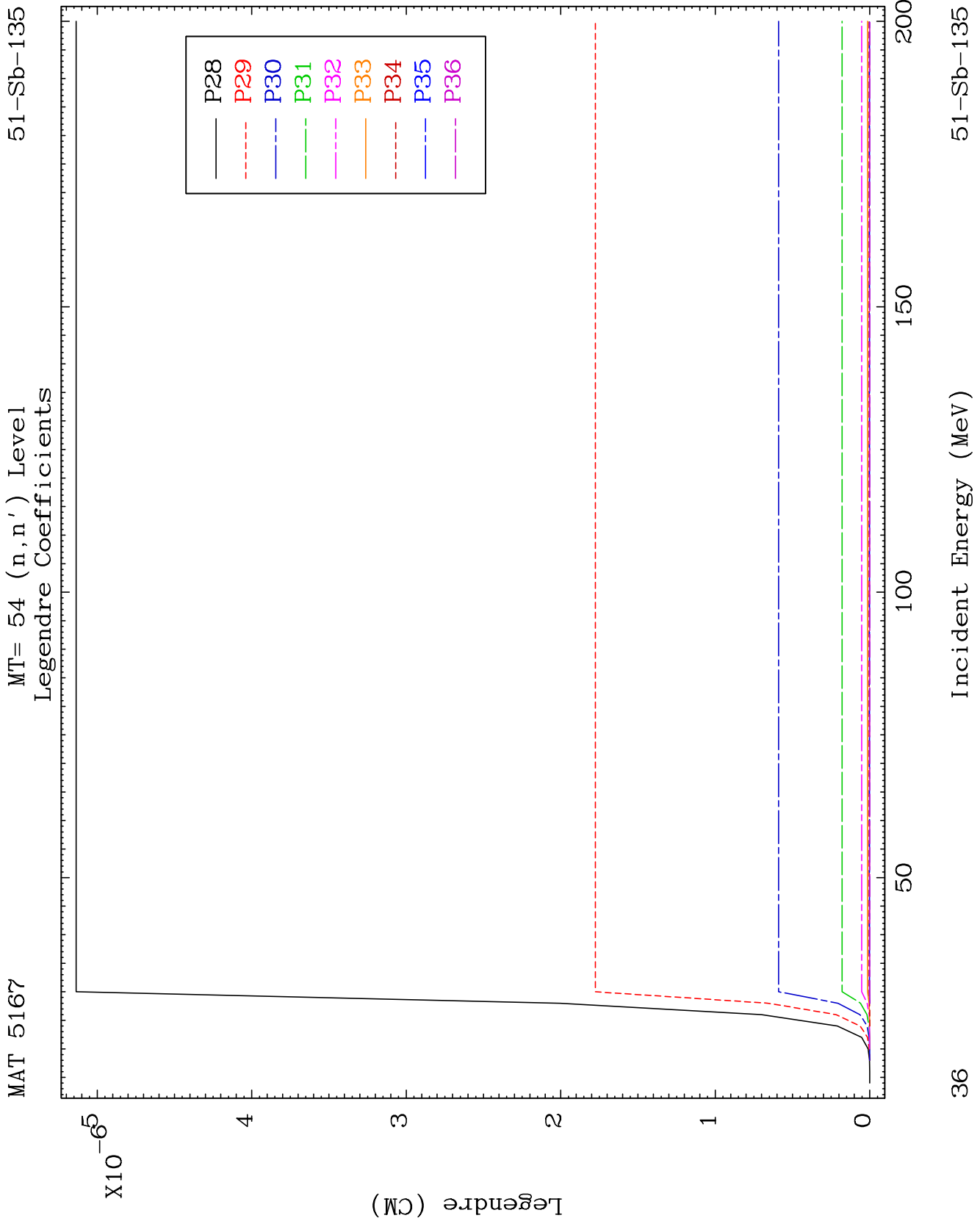


34

Incident Energy (MeV)

51-Sb-135

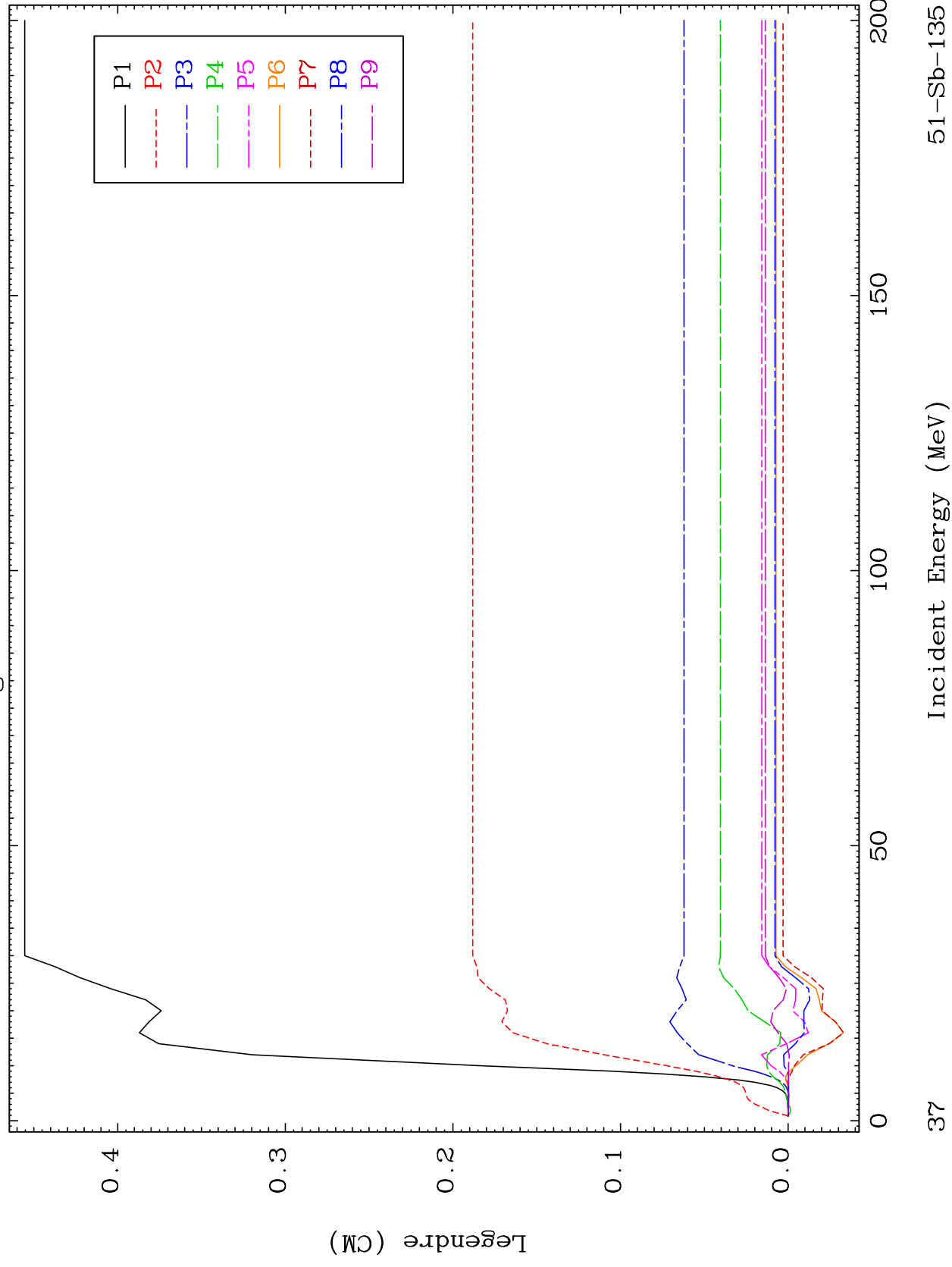




MAT 5167

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

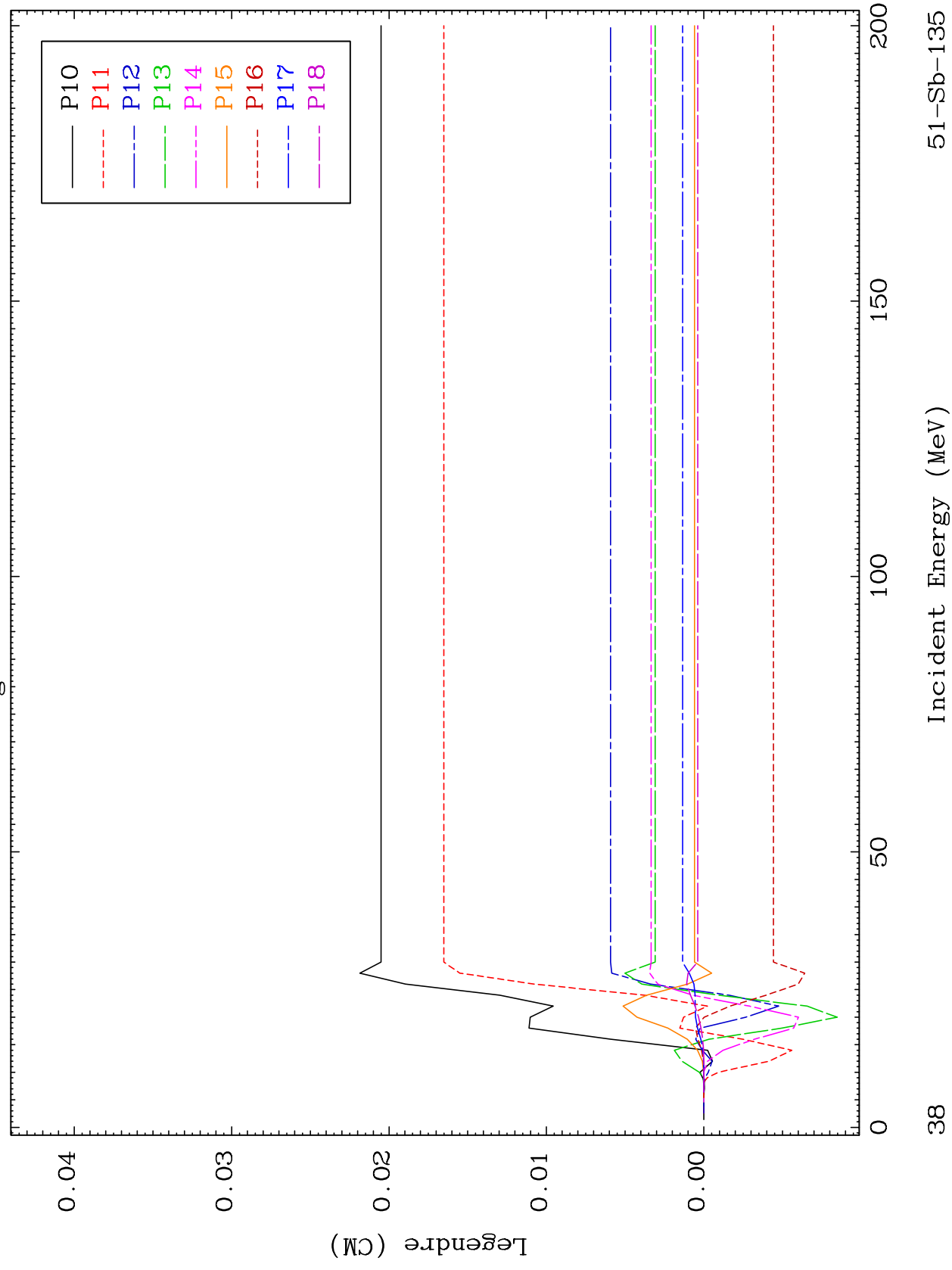
51-Sb-135

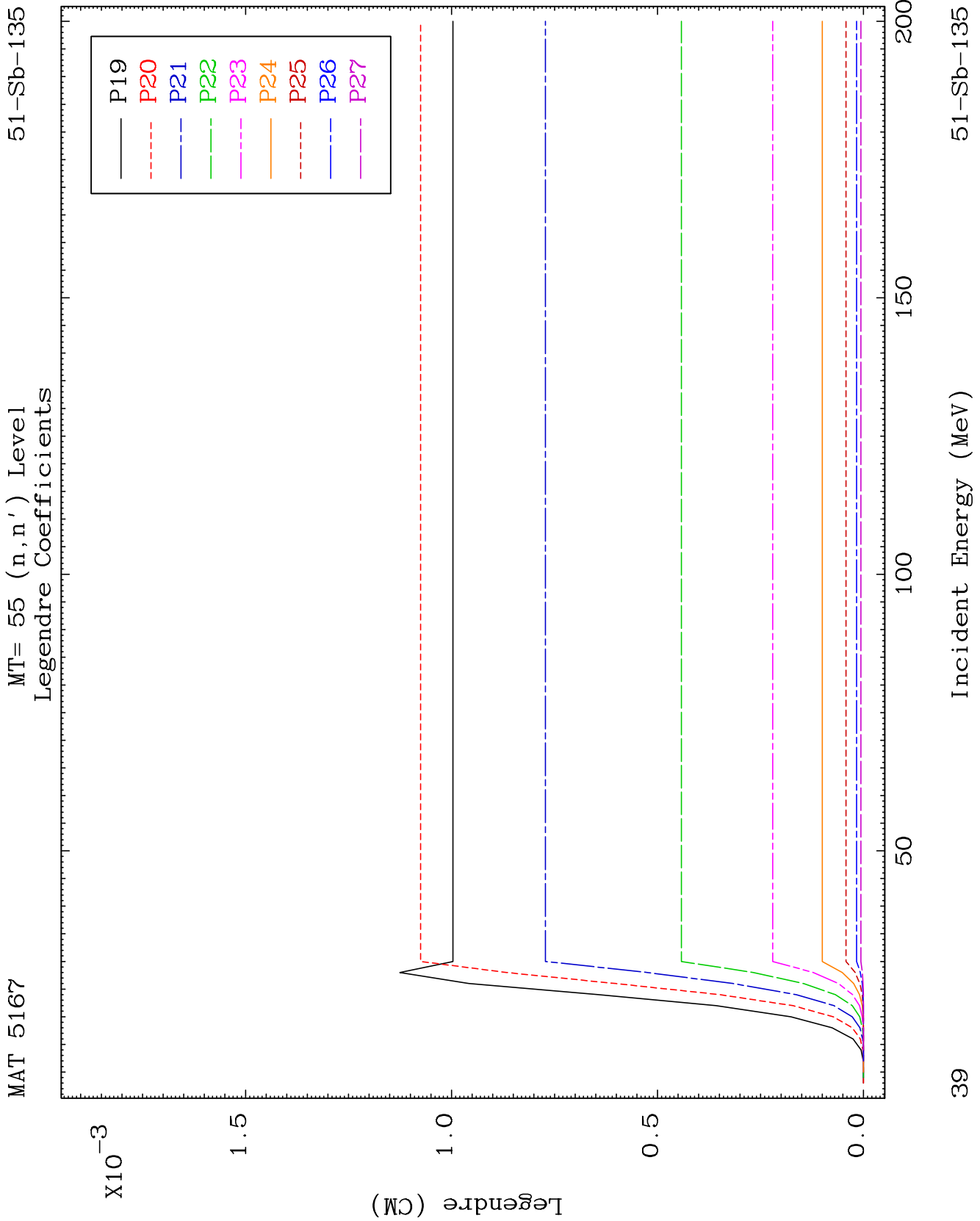


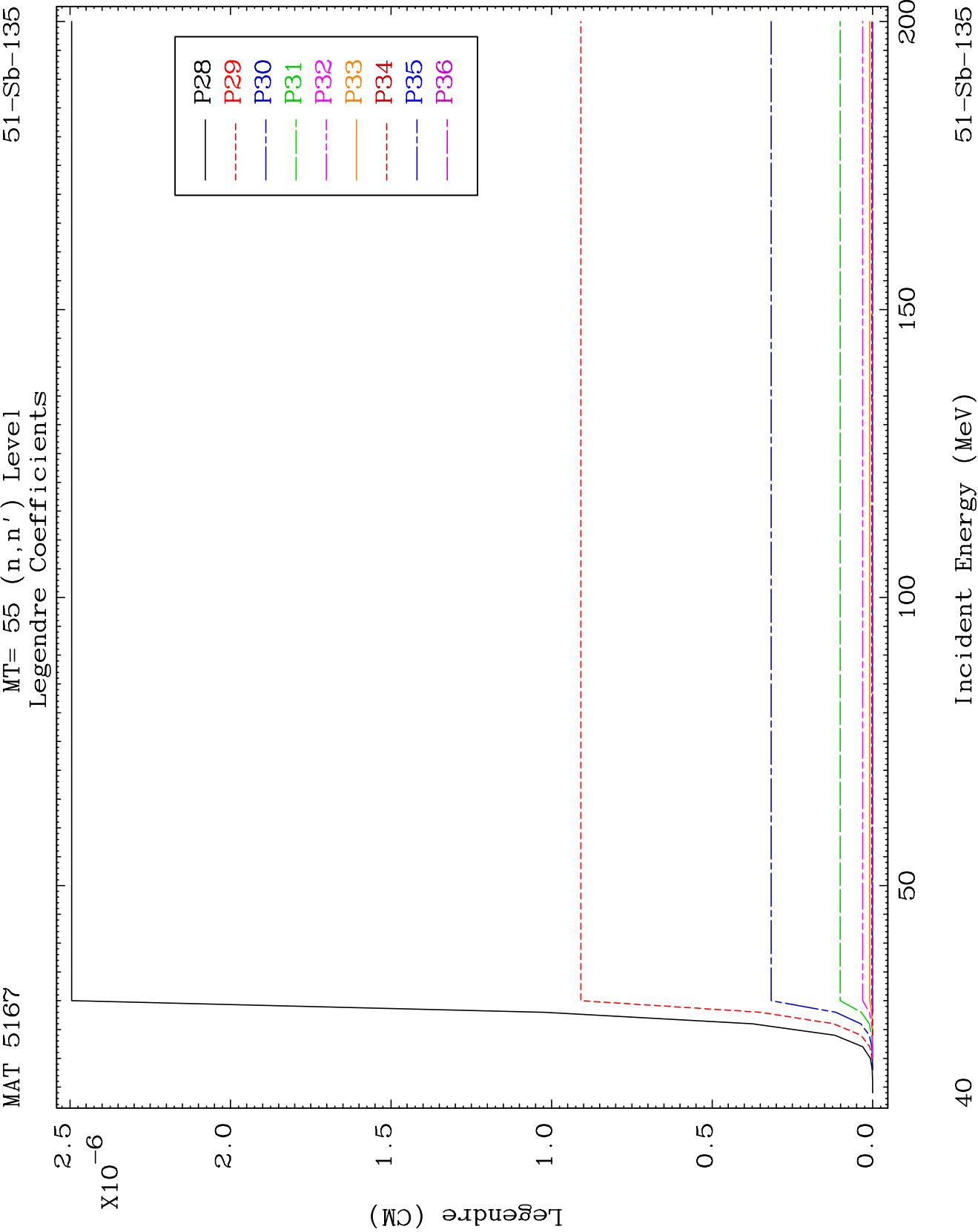
MAT 5167

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

51-Sb-135



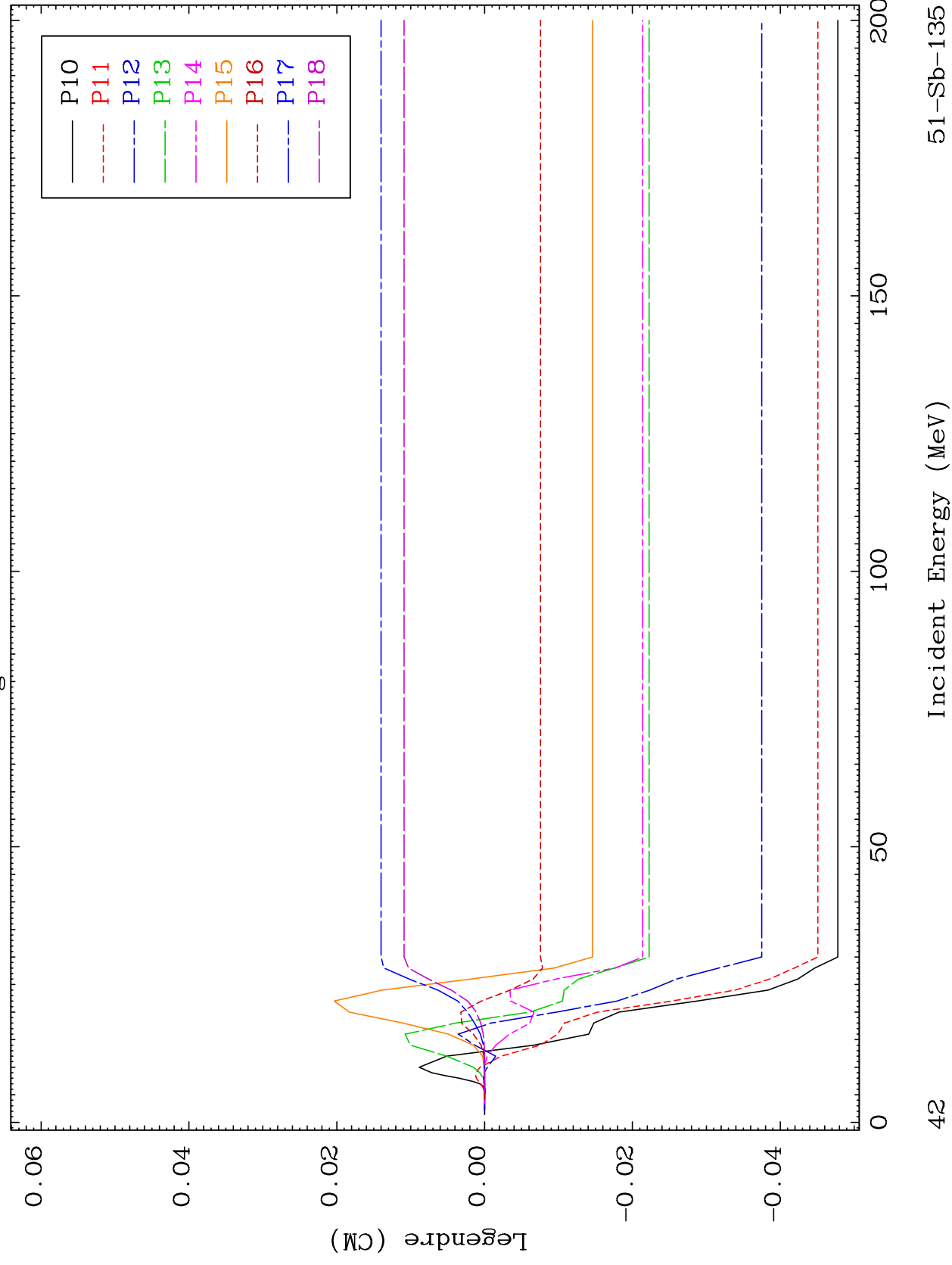


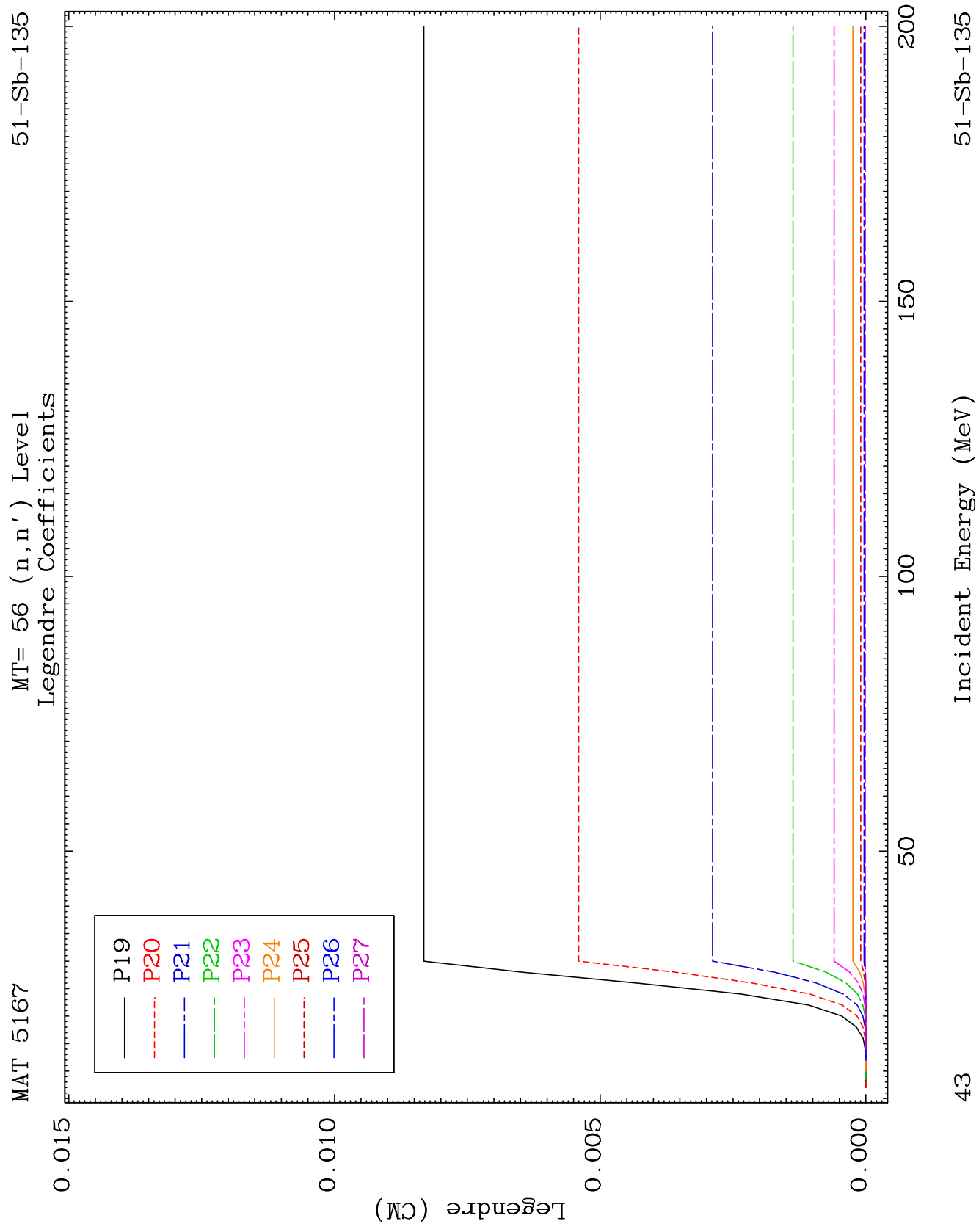


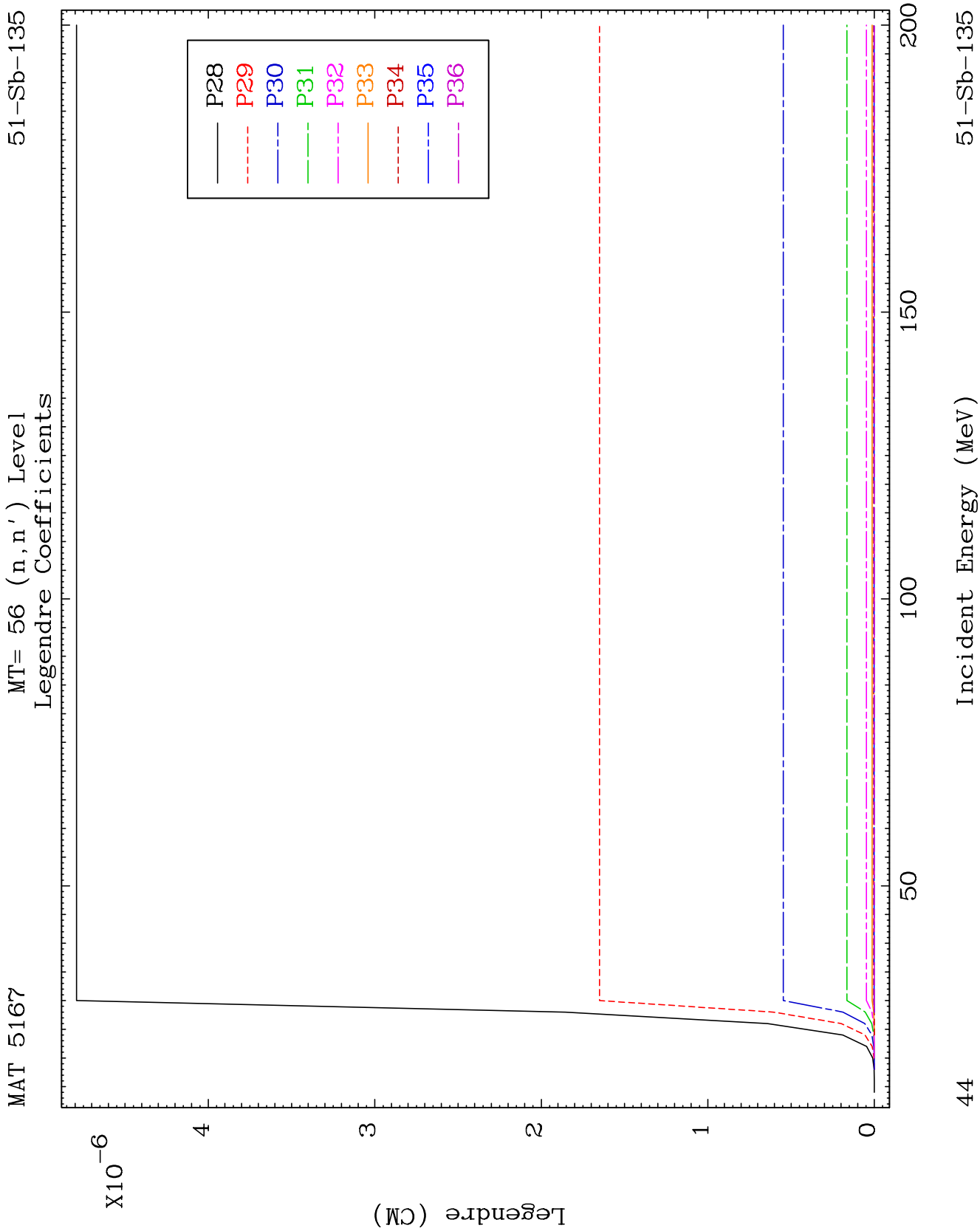
MAT 5167

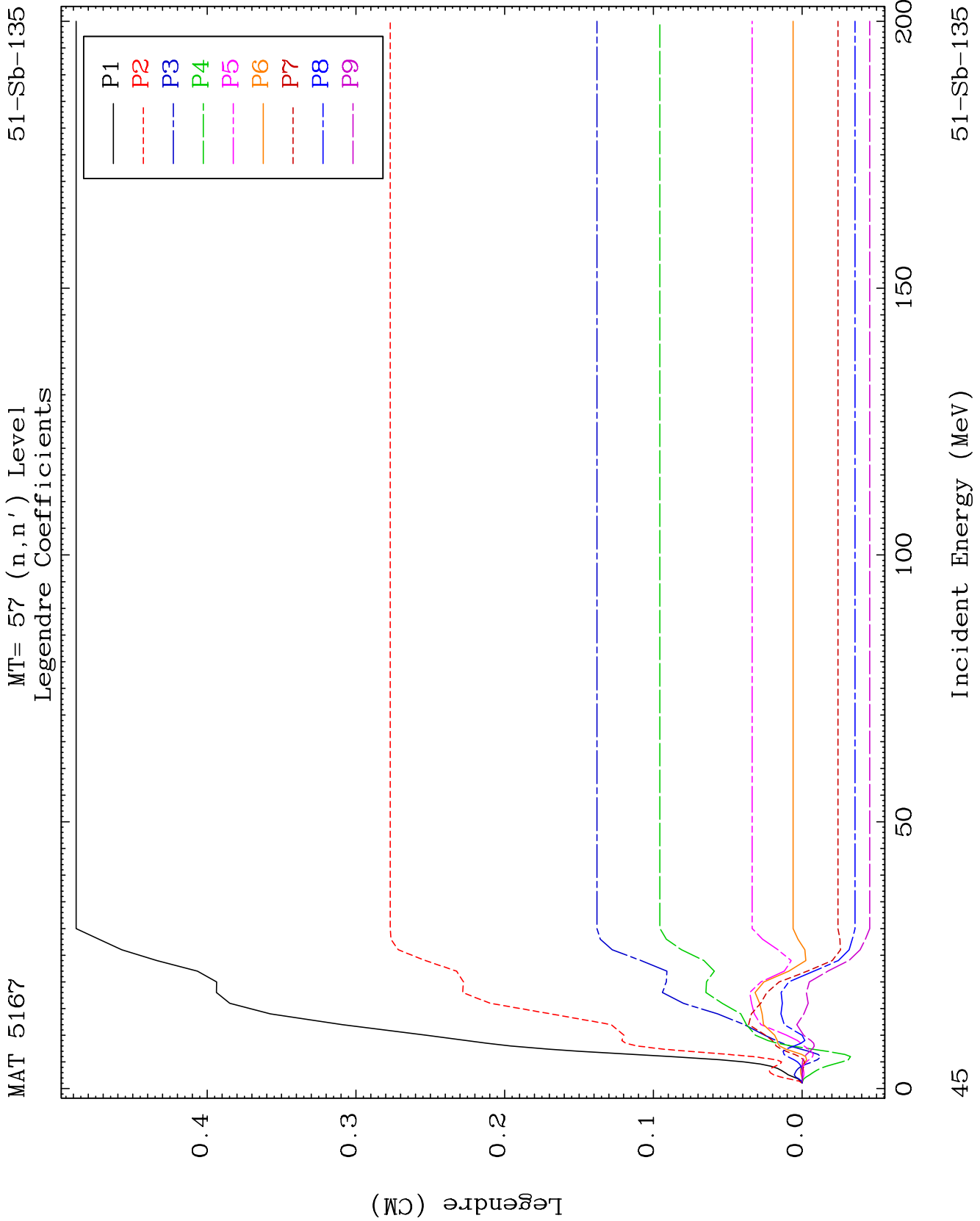
MT= 56 (n, n') Level
Legendre Coefficients

51-Sb-135





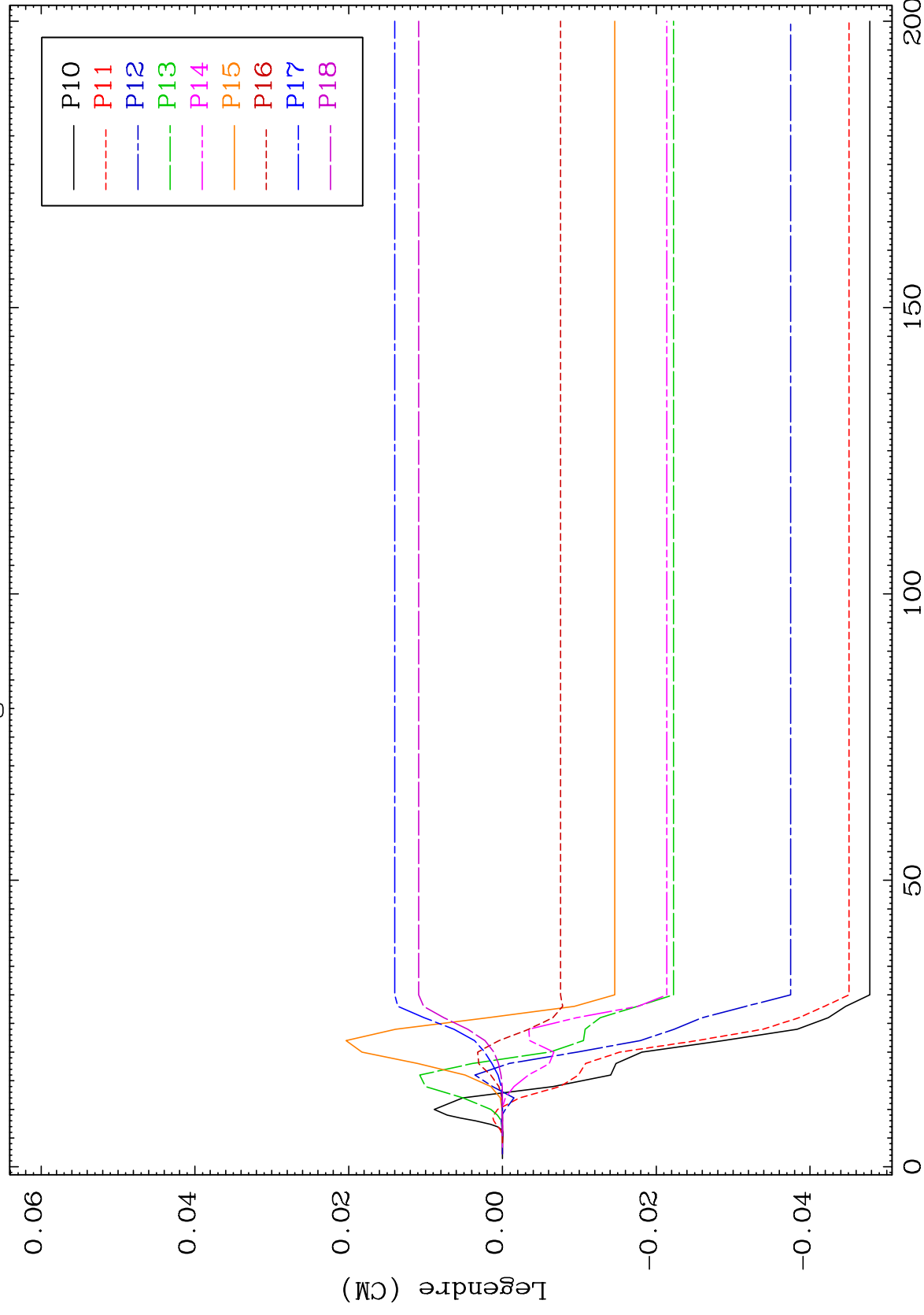




MAT 5167

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

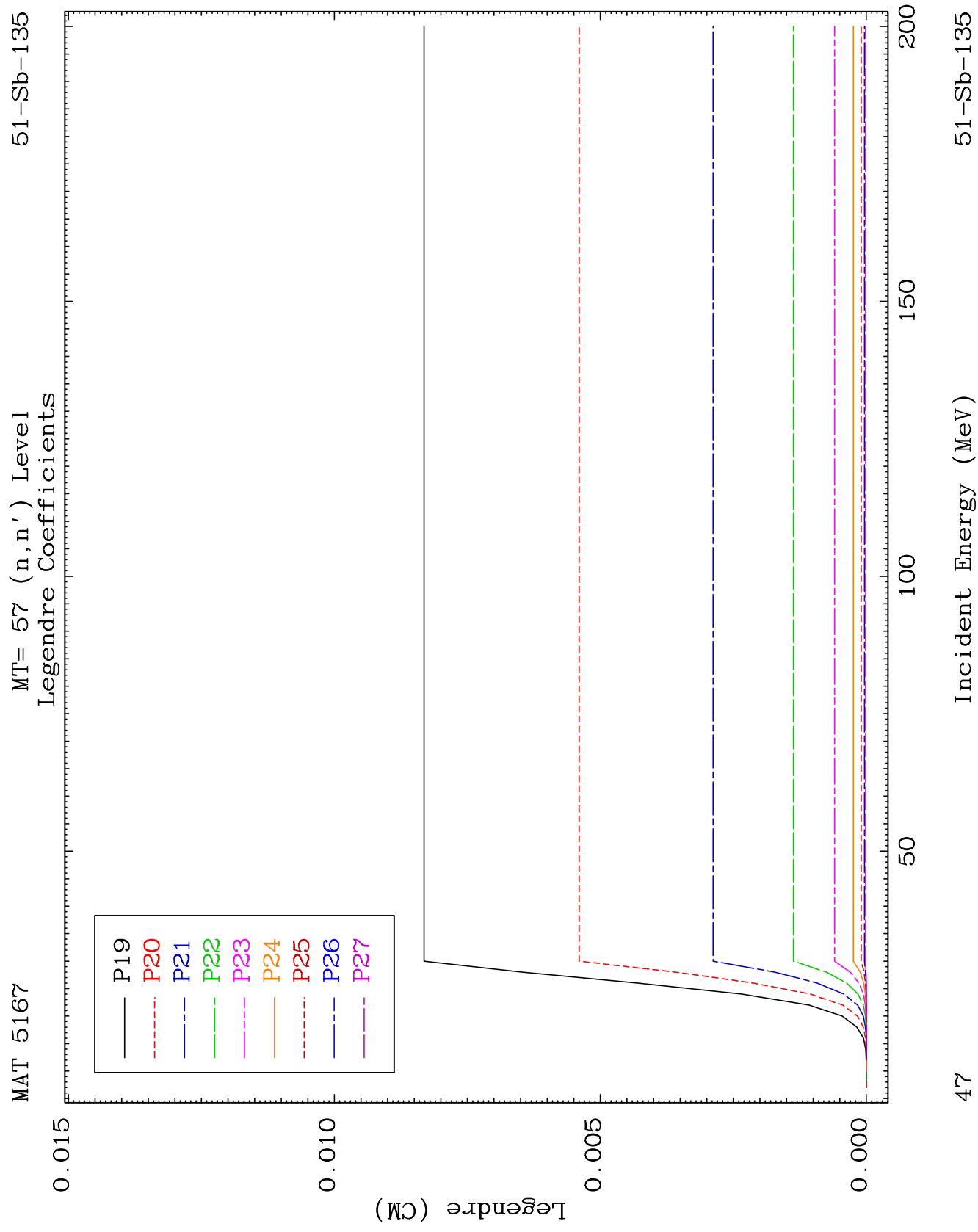
51-Sb-135

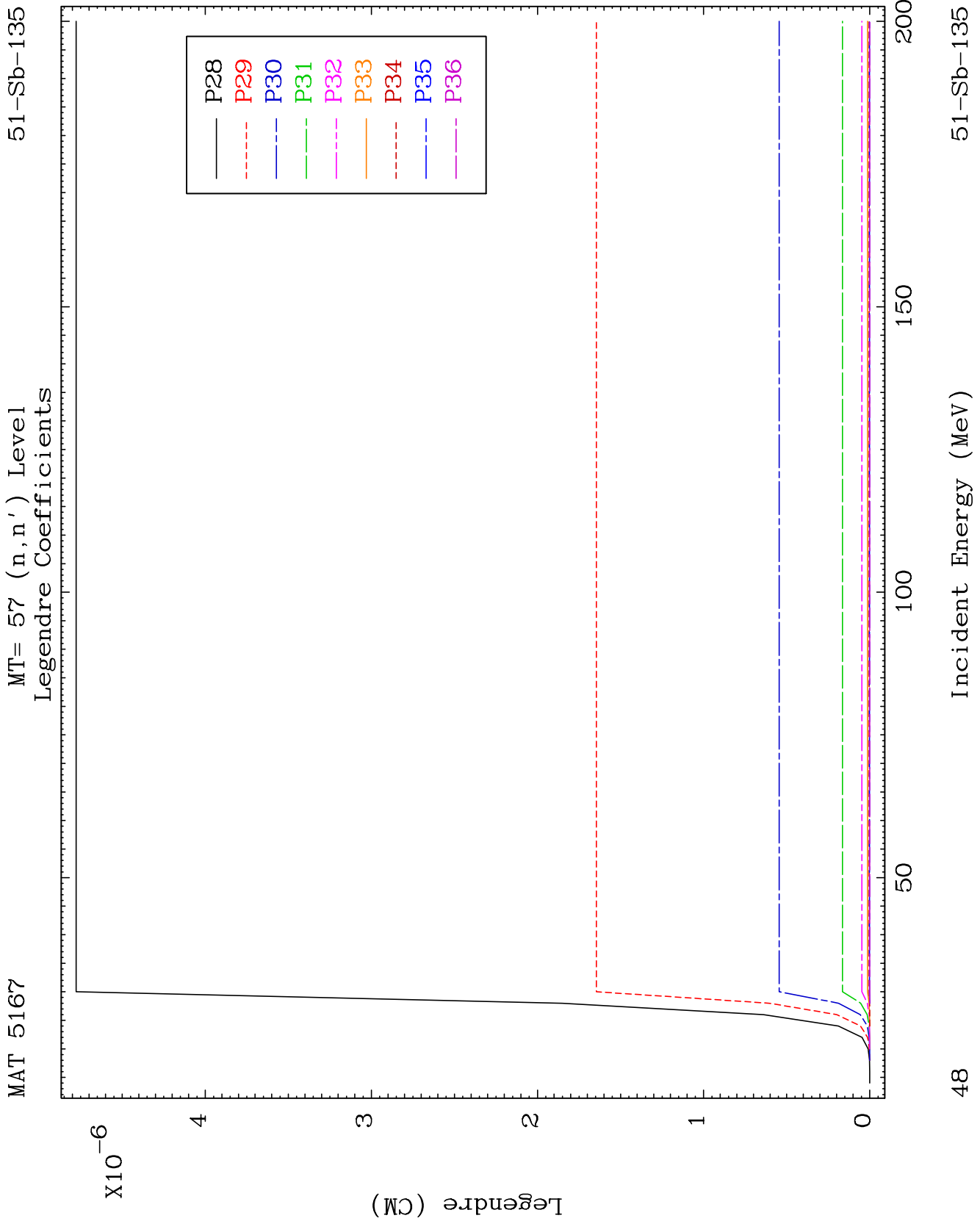


46

Incident Energy (MeV)

51-Sb-135

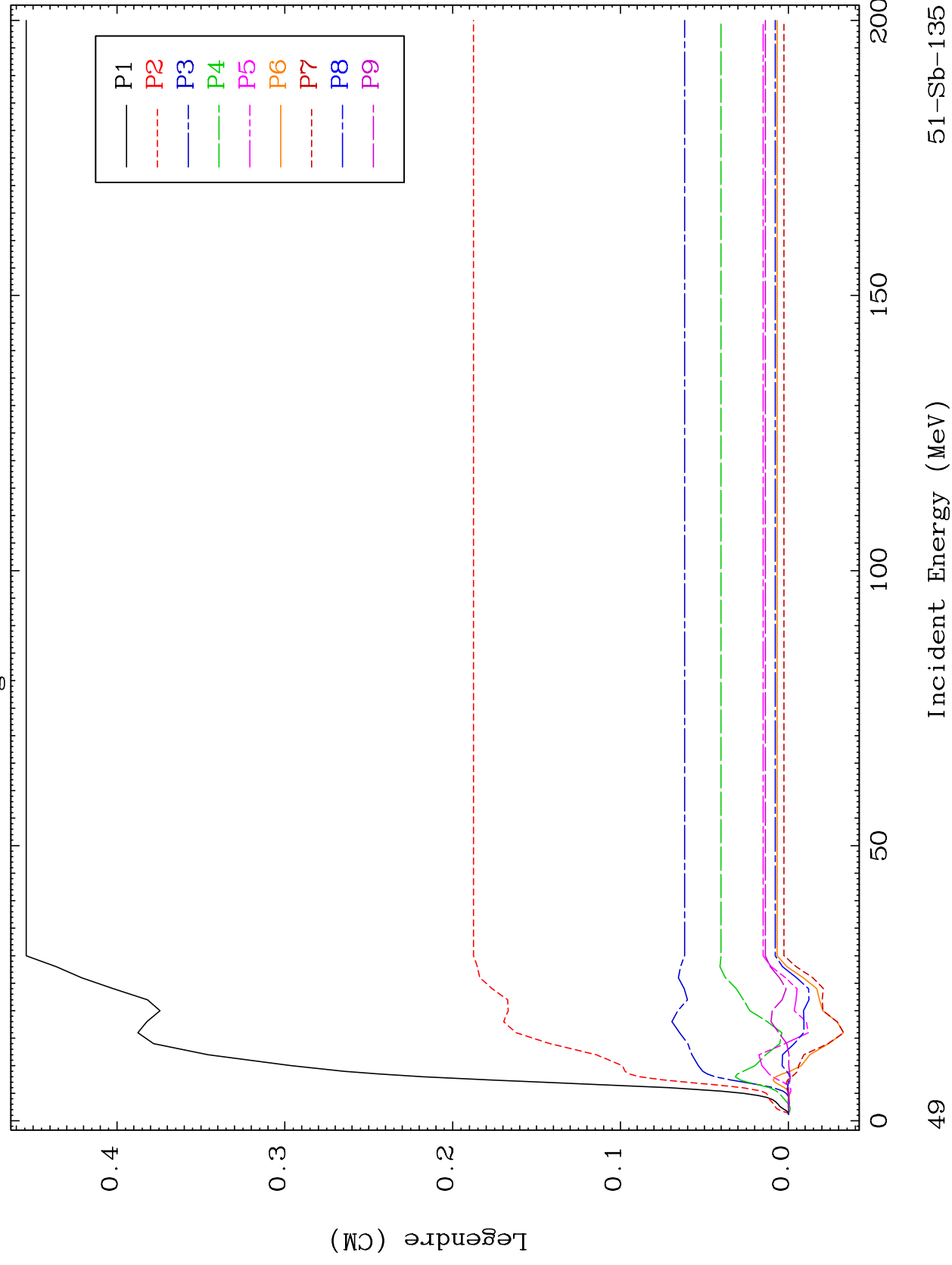


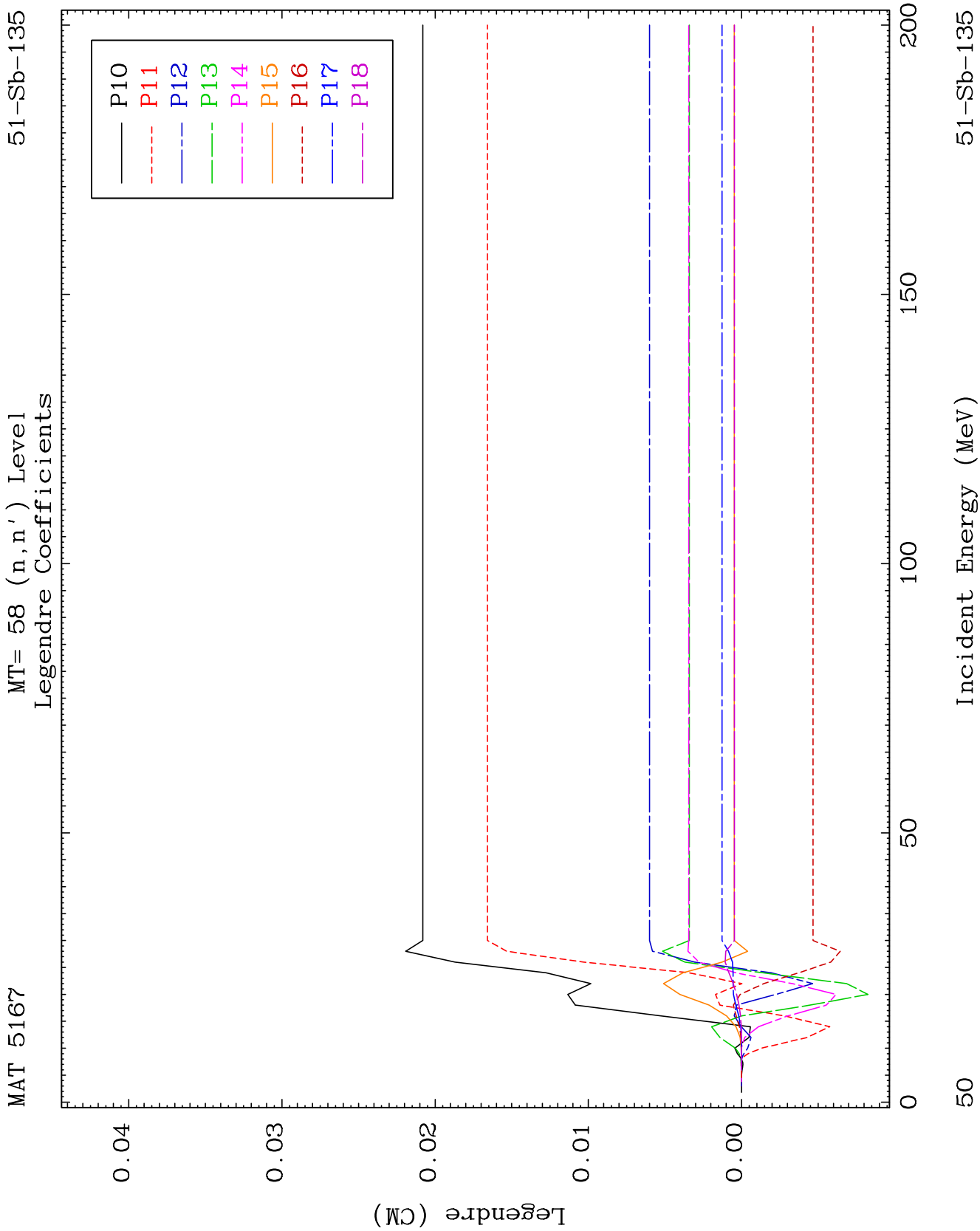


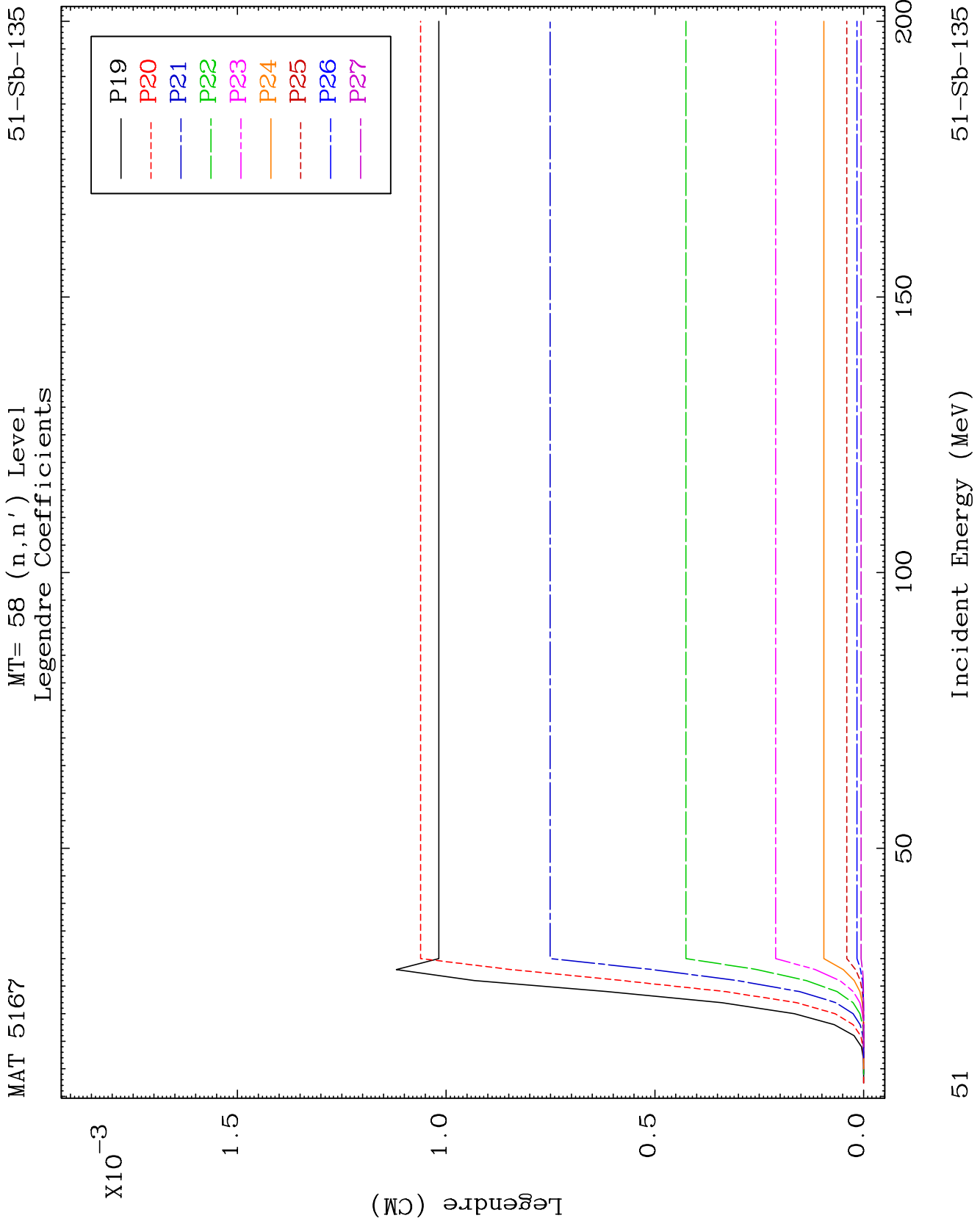
MAT 5167

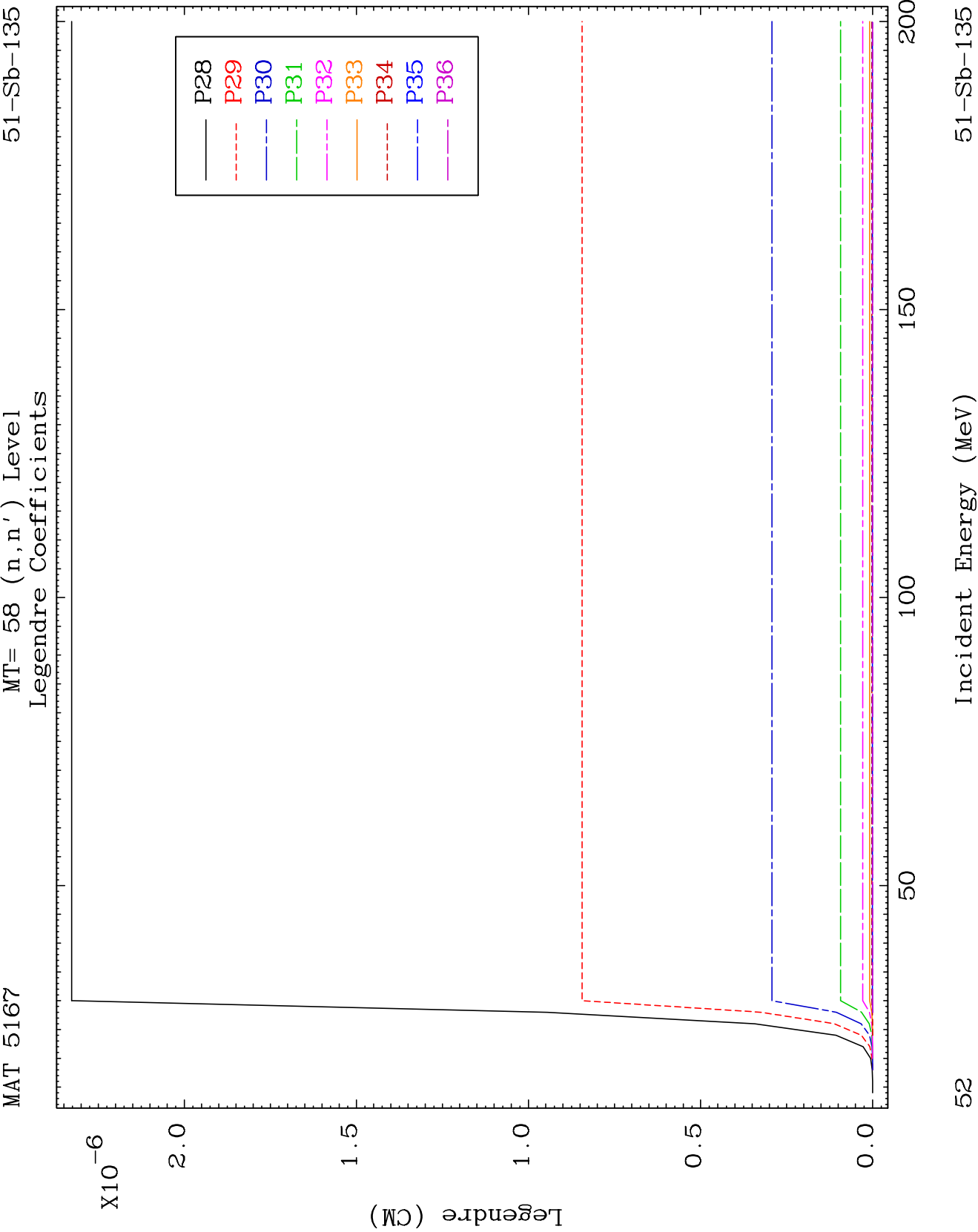
MT= 58 (n, n') Level
Legendre Coefficients

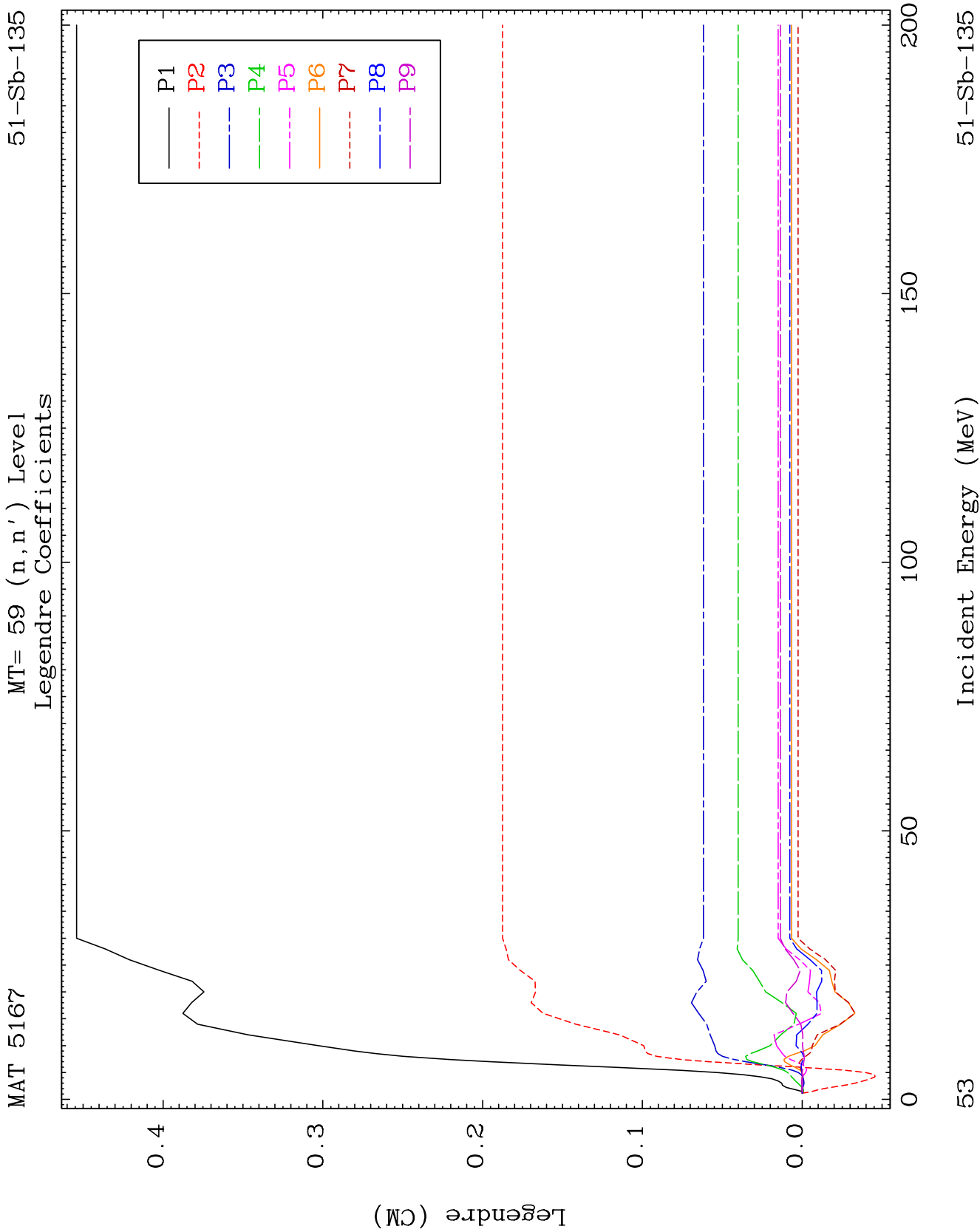
51-Sb-135







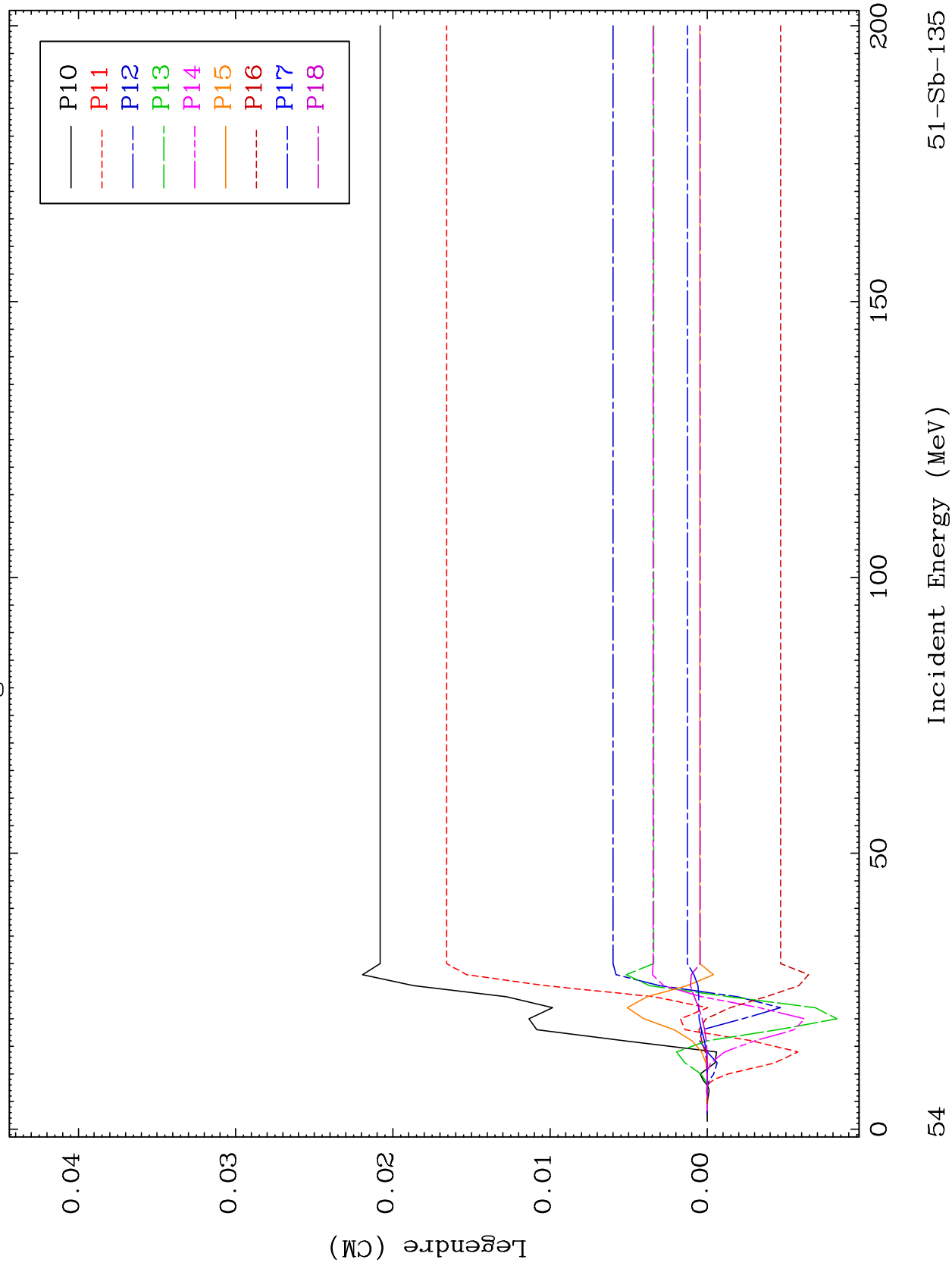


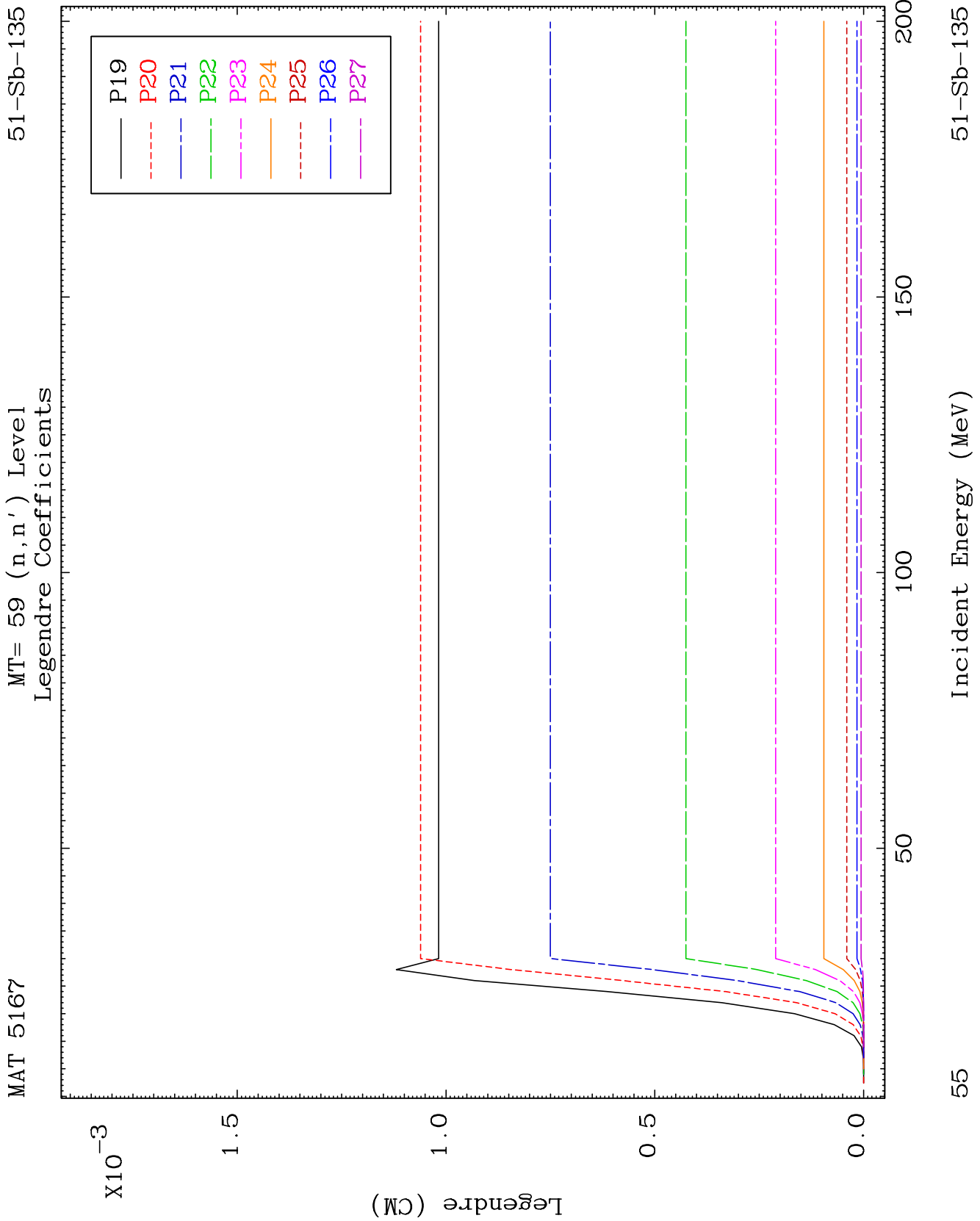


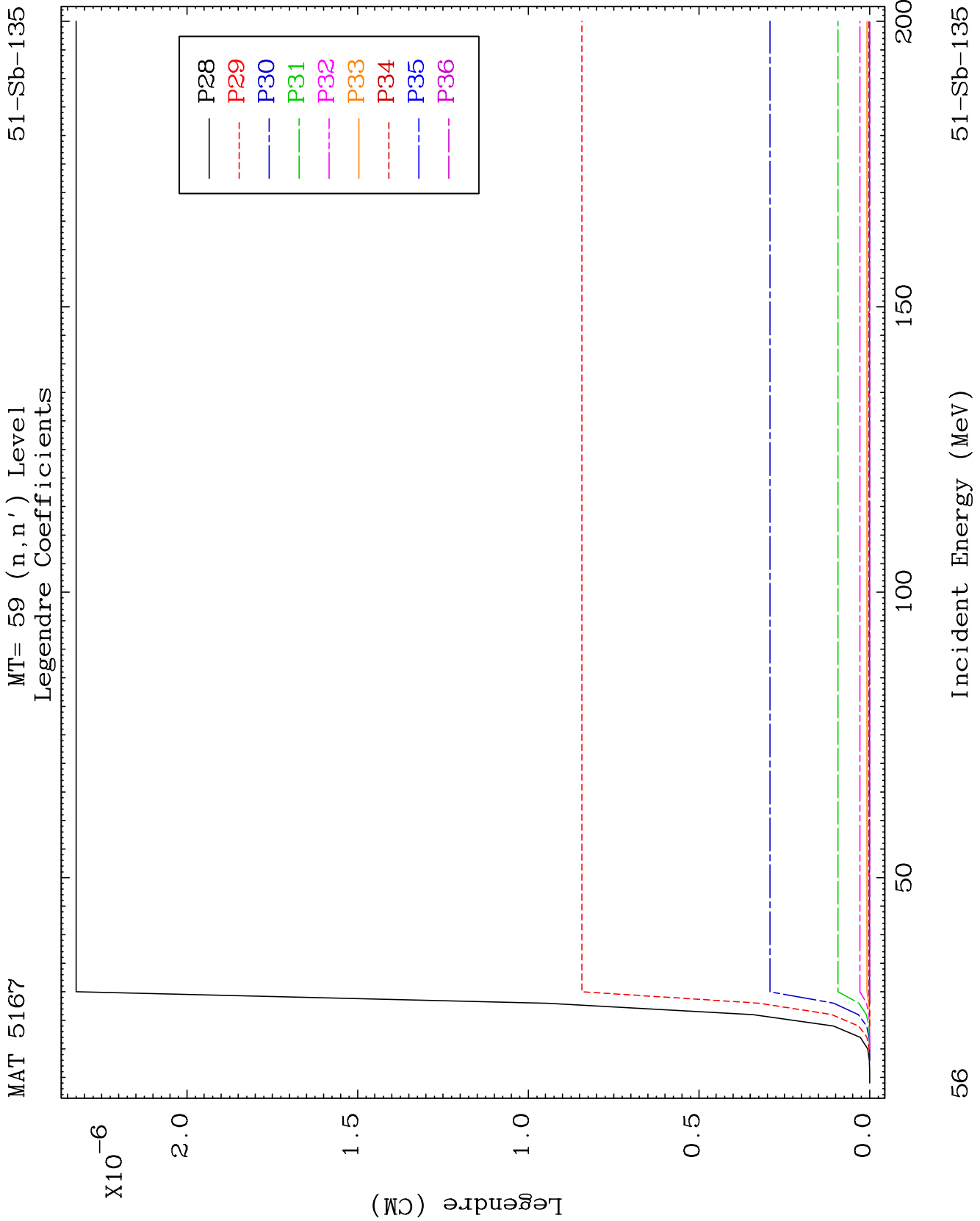
MAT 5167

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

51-Sb-135



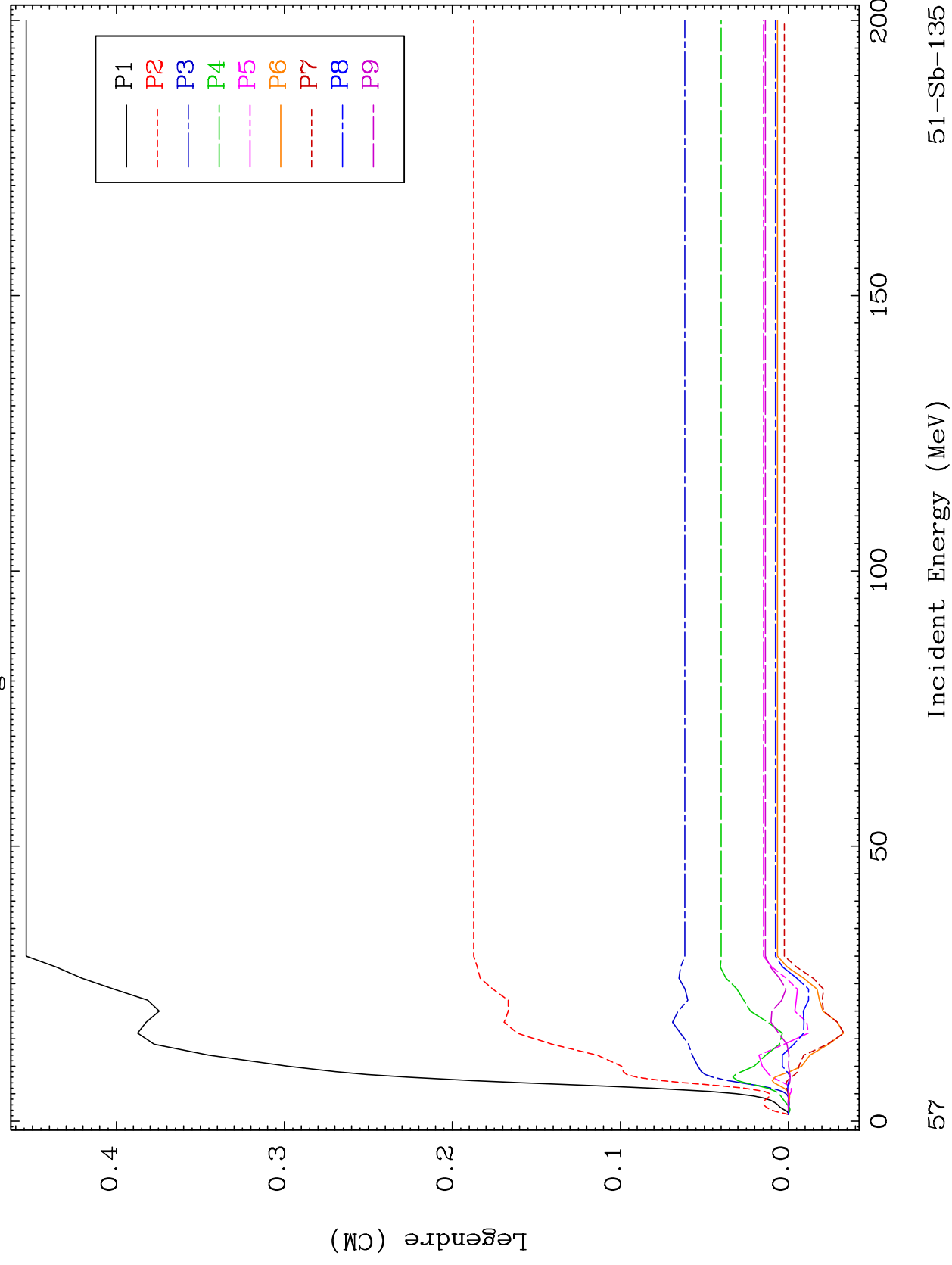


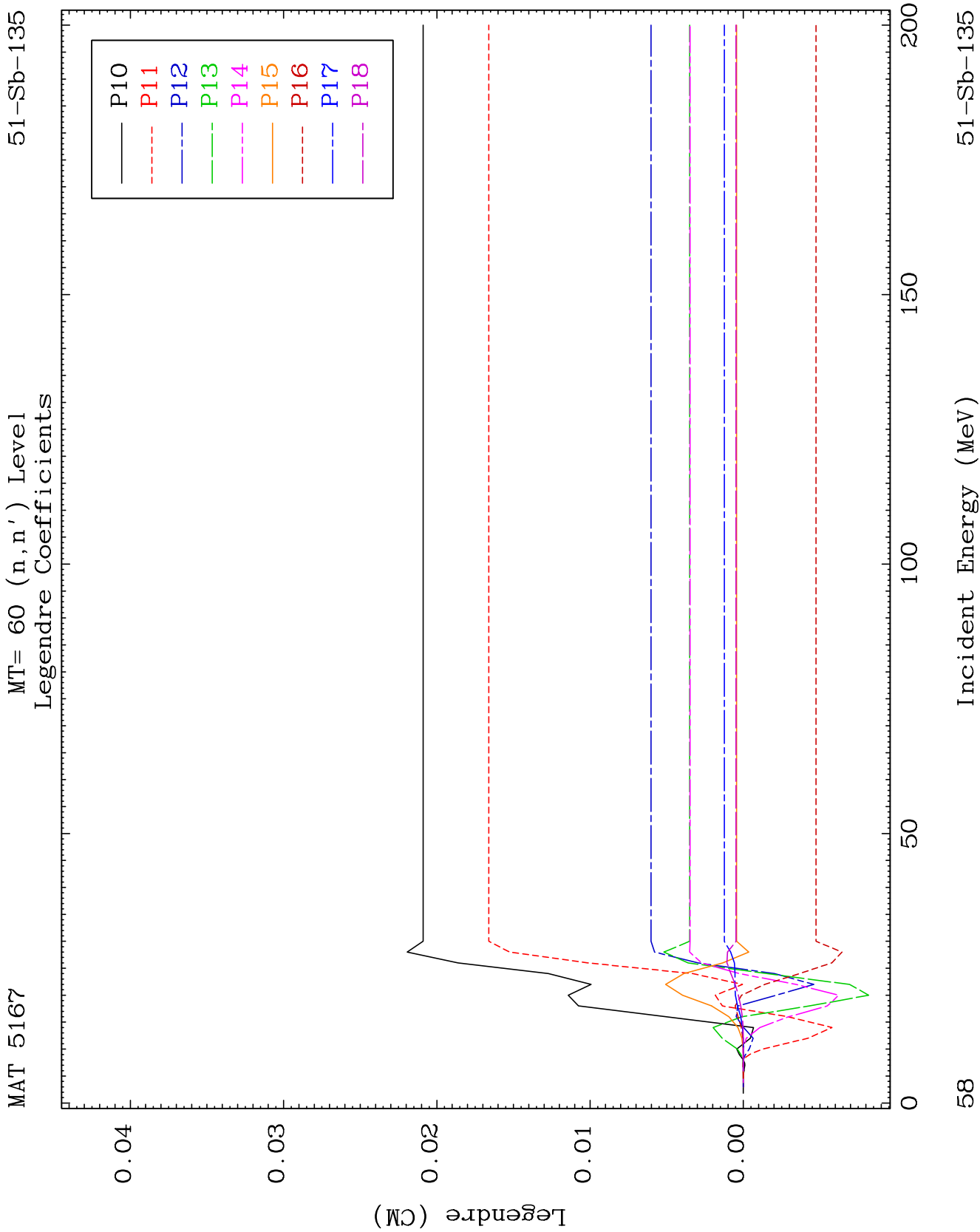


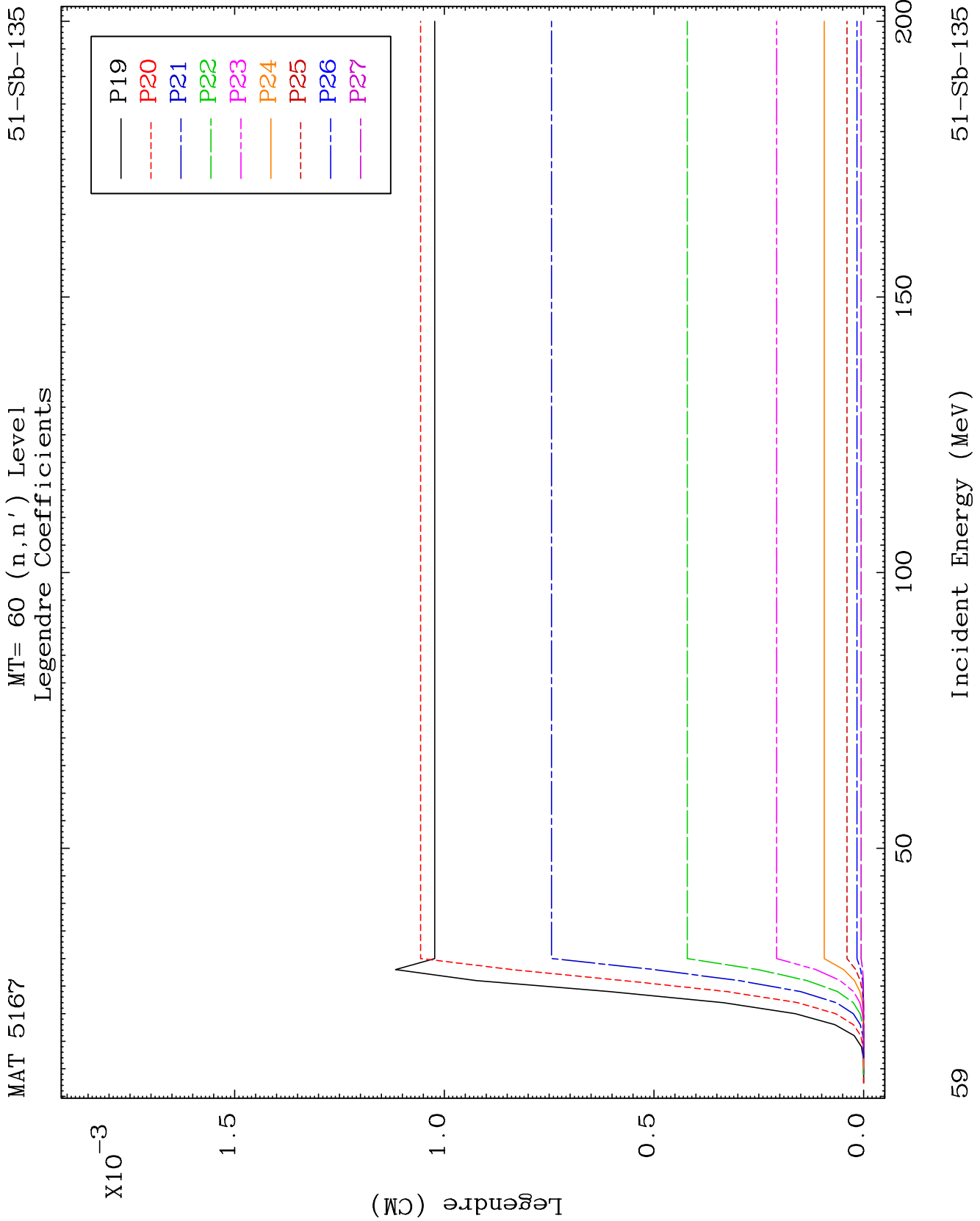
MAT 5167

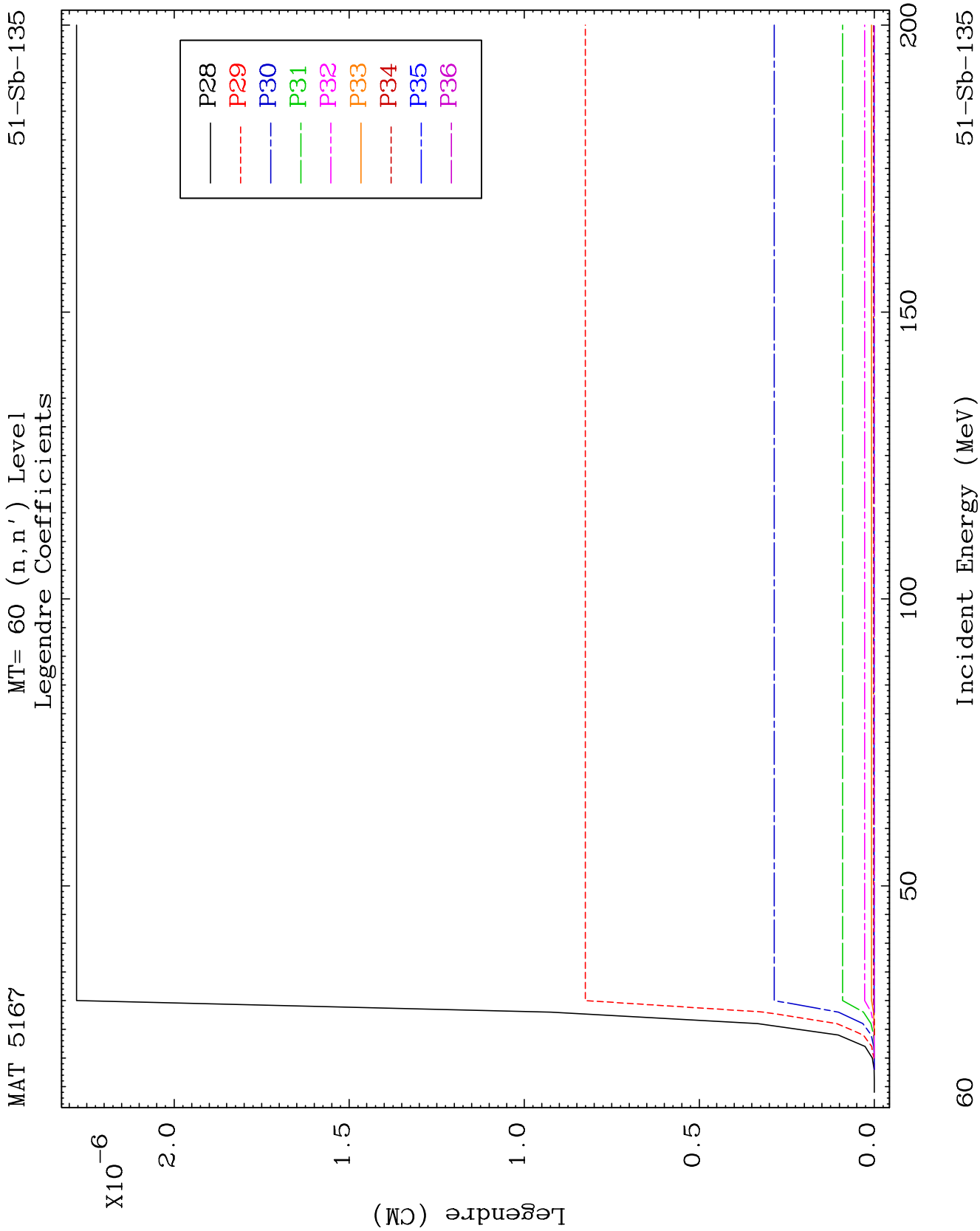
MT= 60 (n, n') Level
Legendre Coefficients

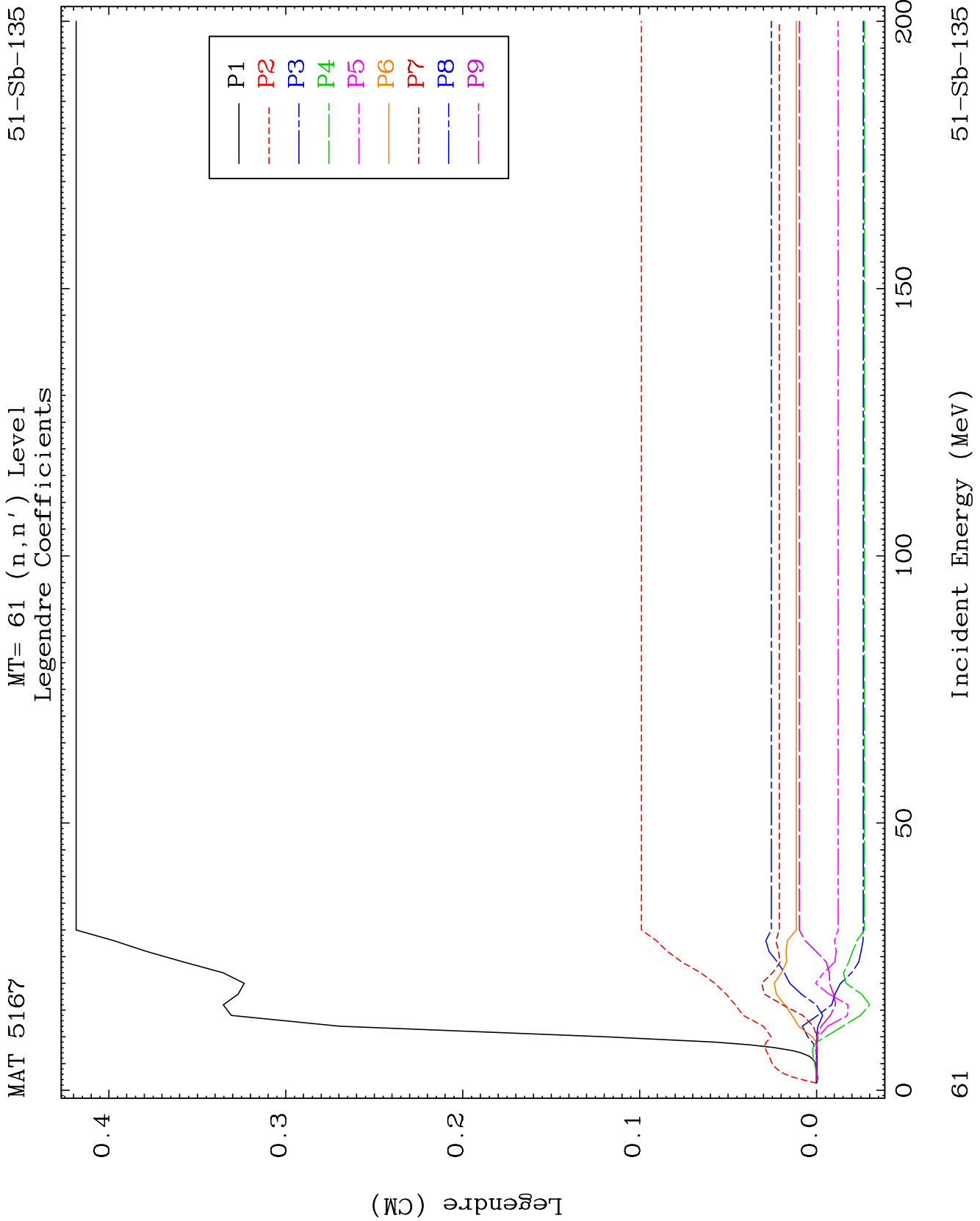
51-Sb-135

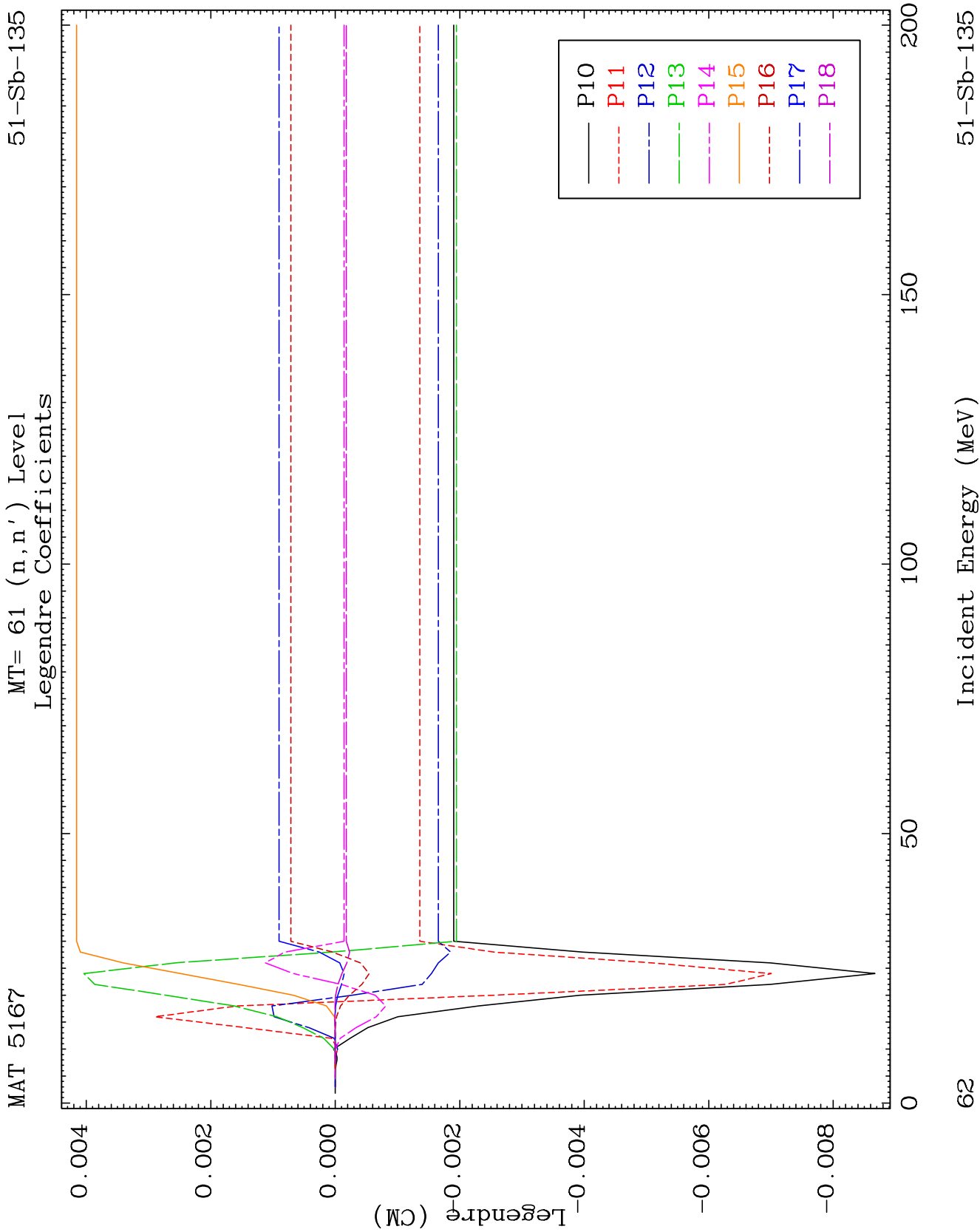


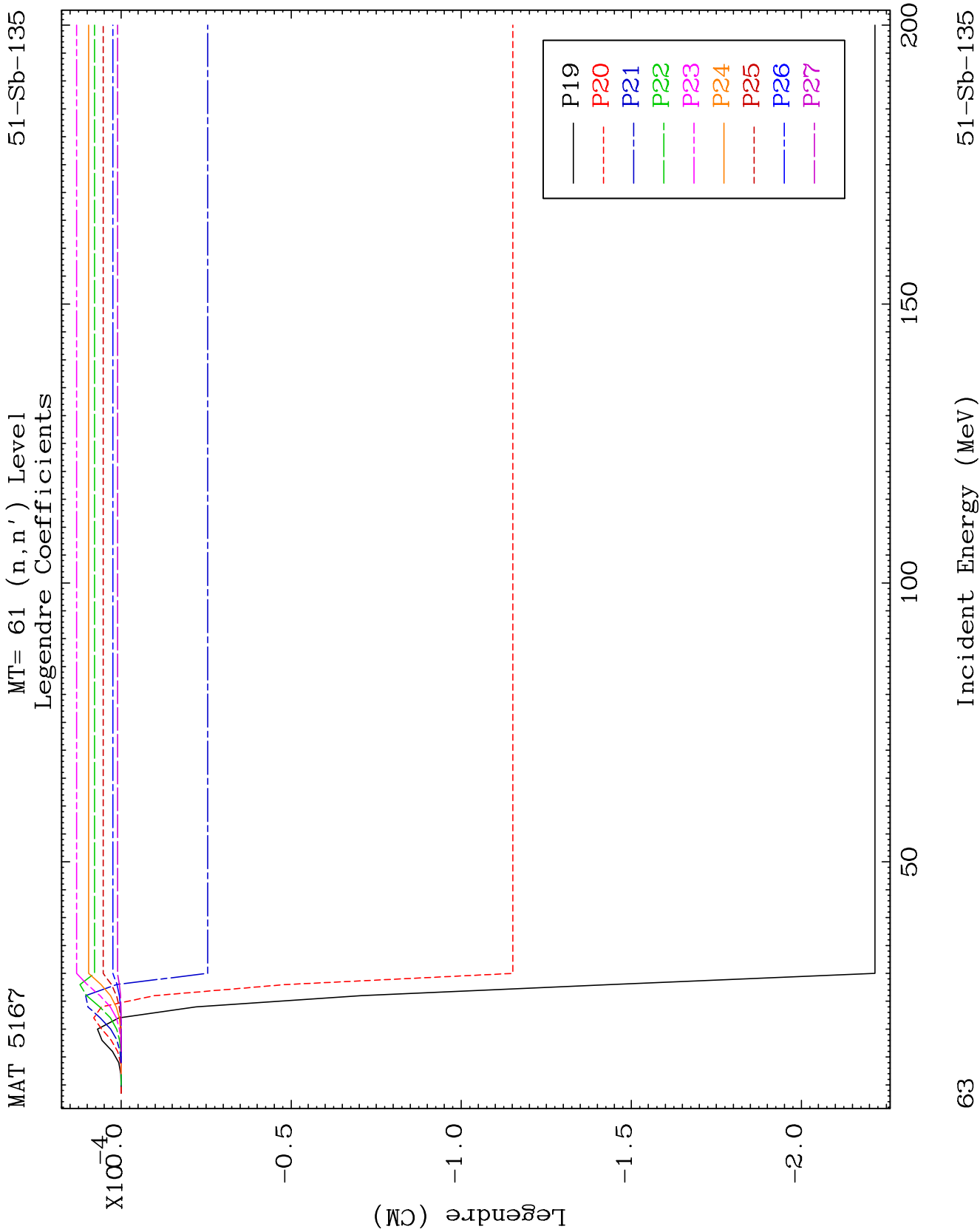


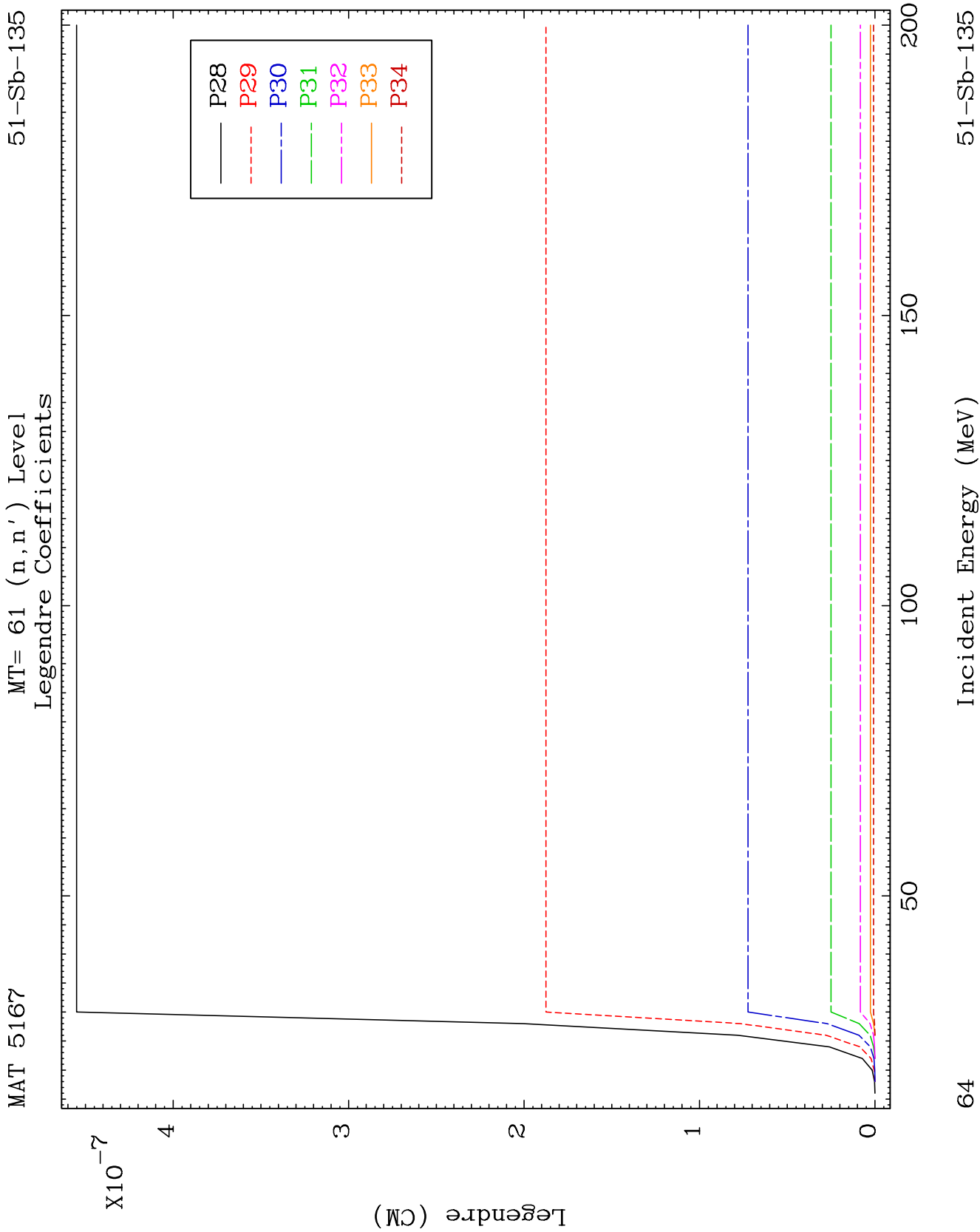








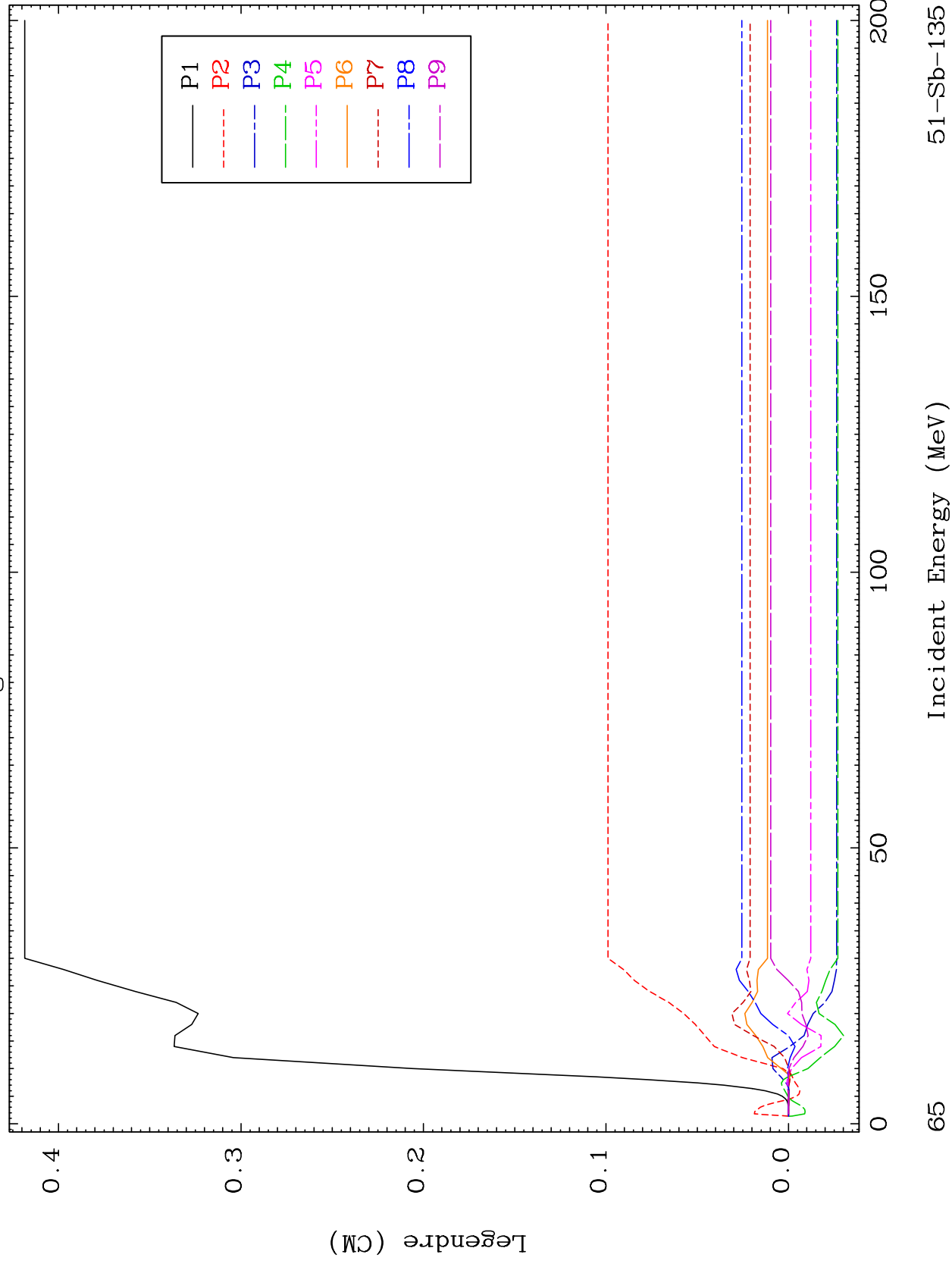


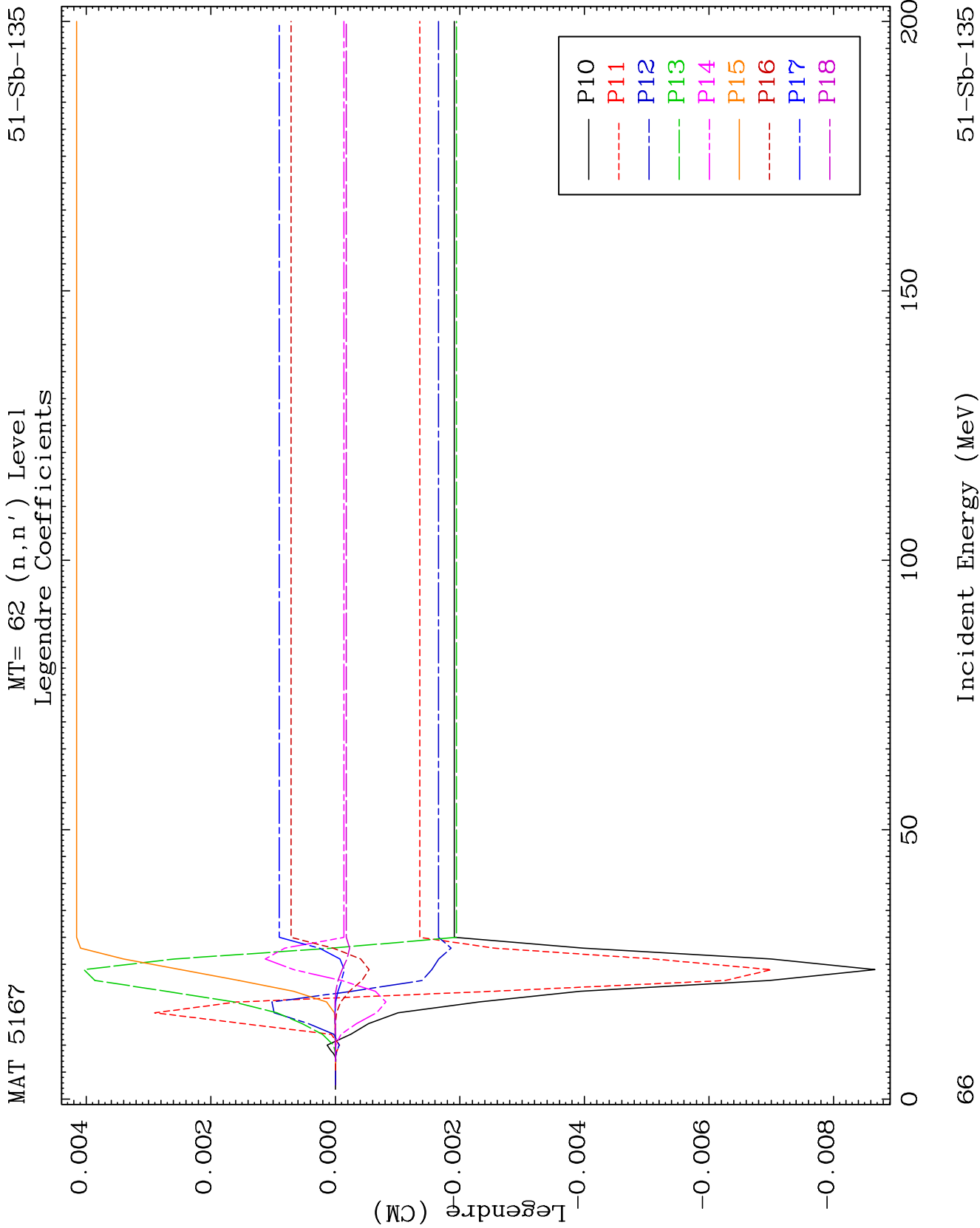


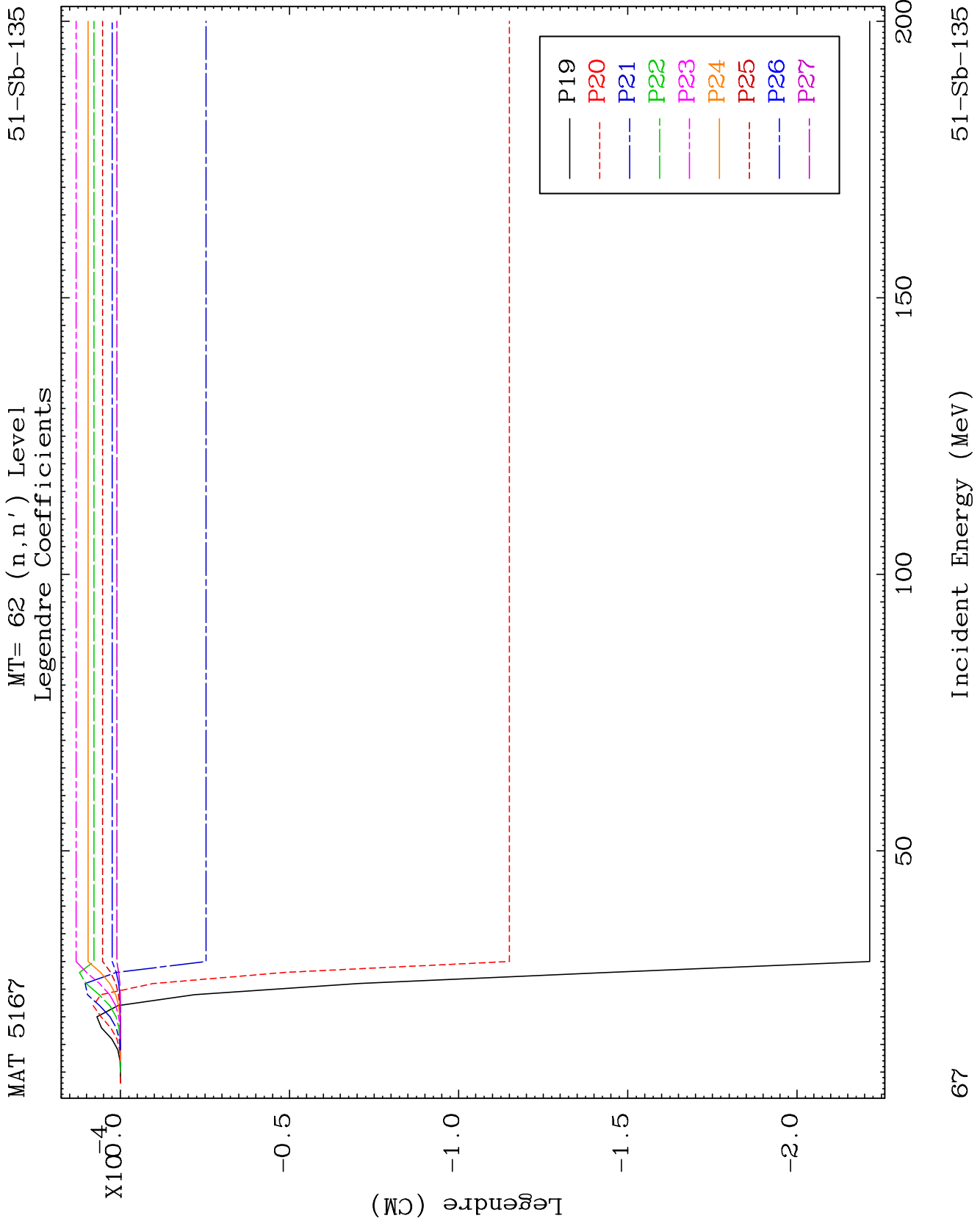
MAT 5167

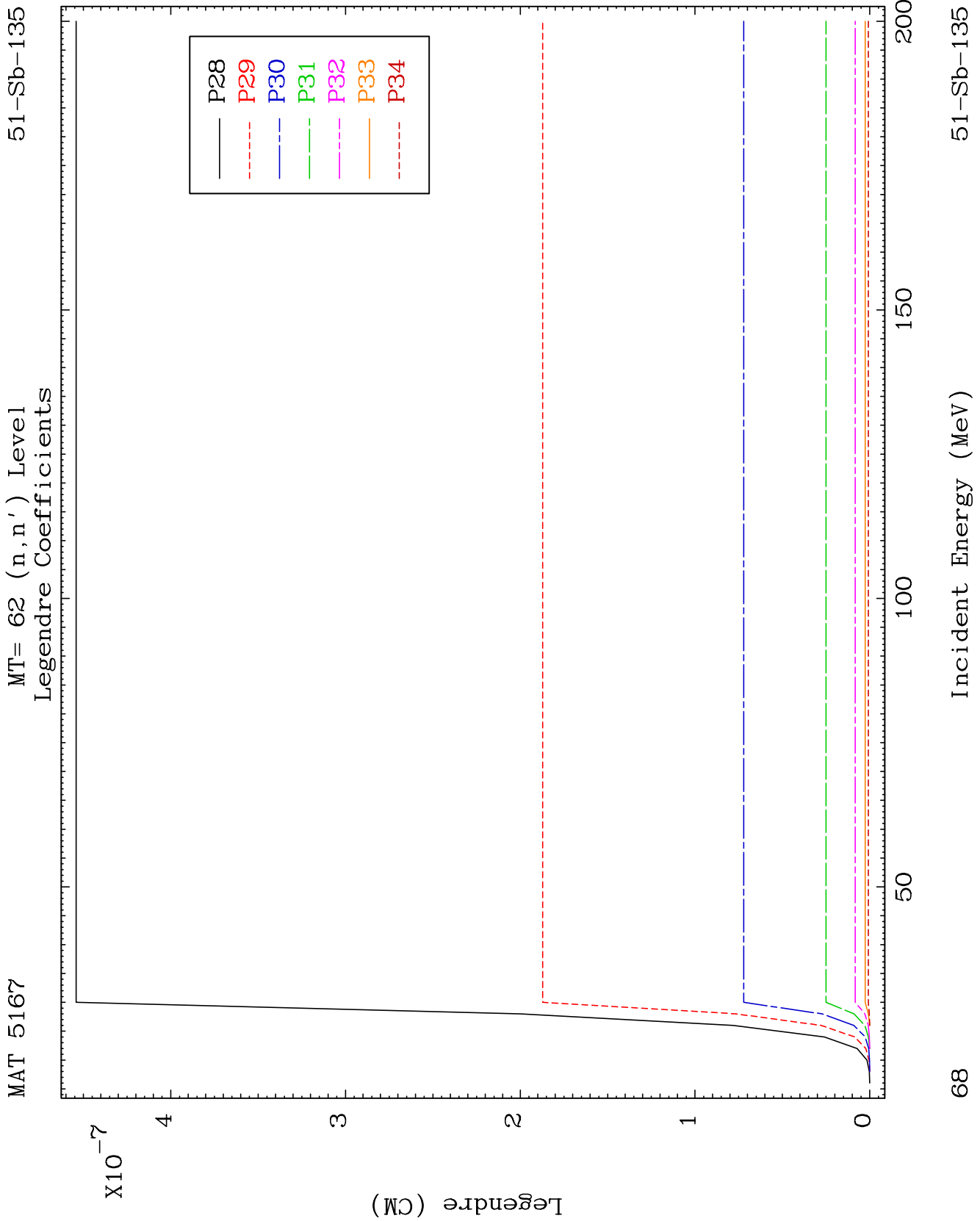
MT= 62 (n, n') Level
Legendre Coefficients

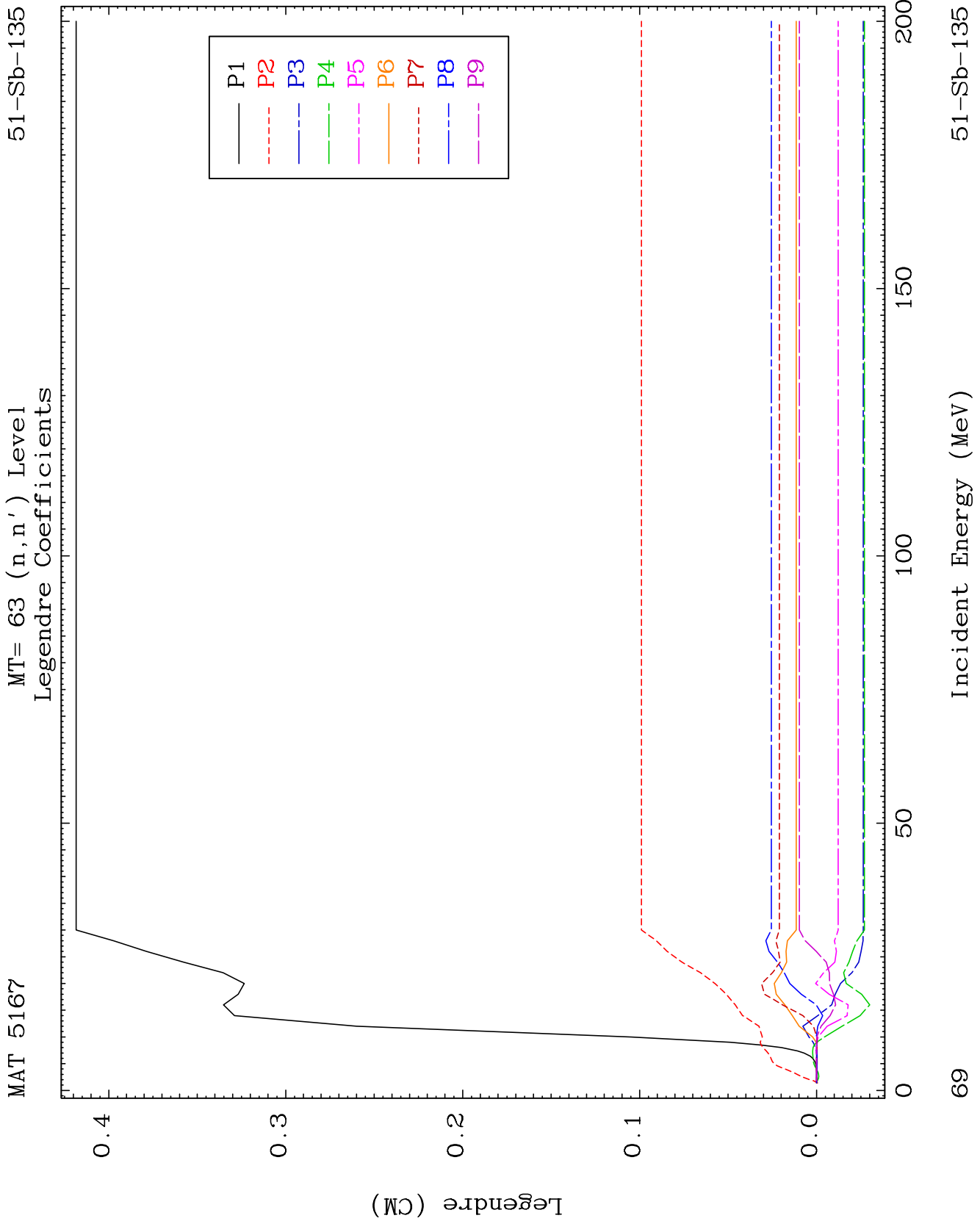
51-Sb-135







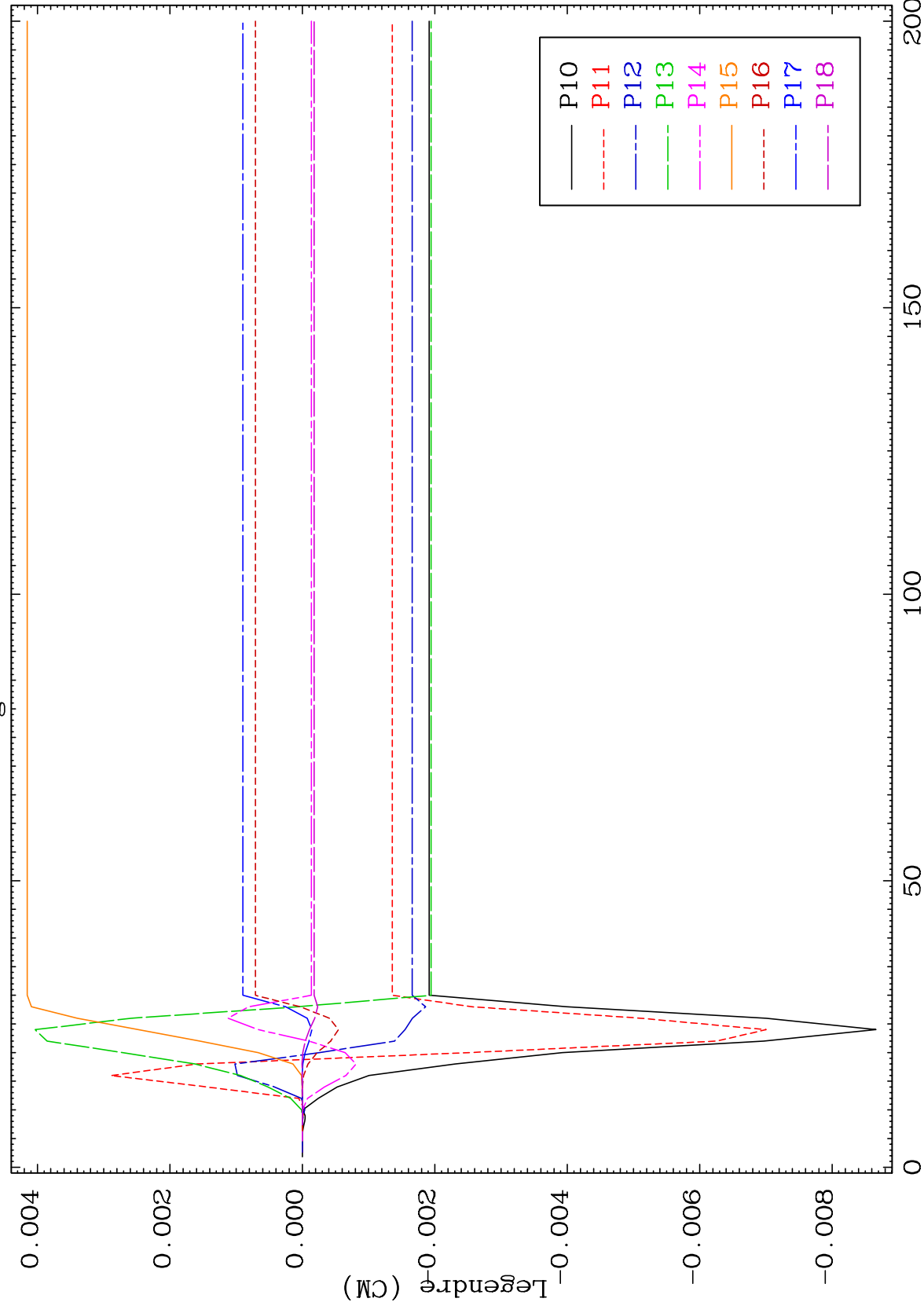




MAT 5167

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

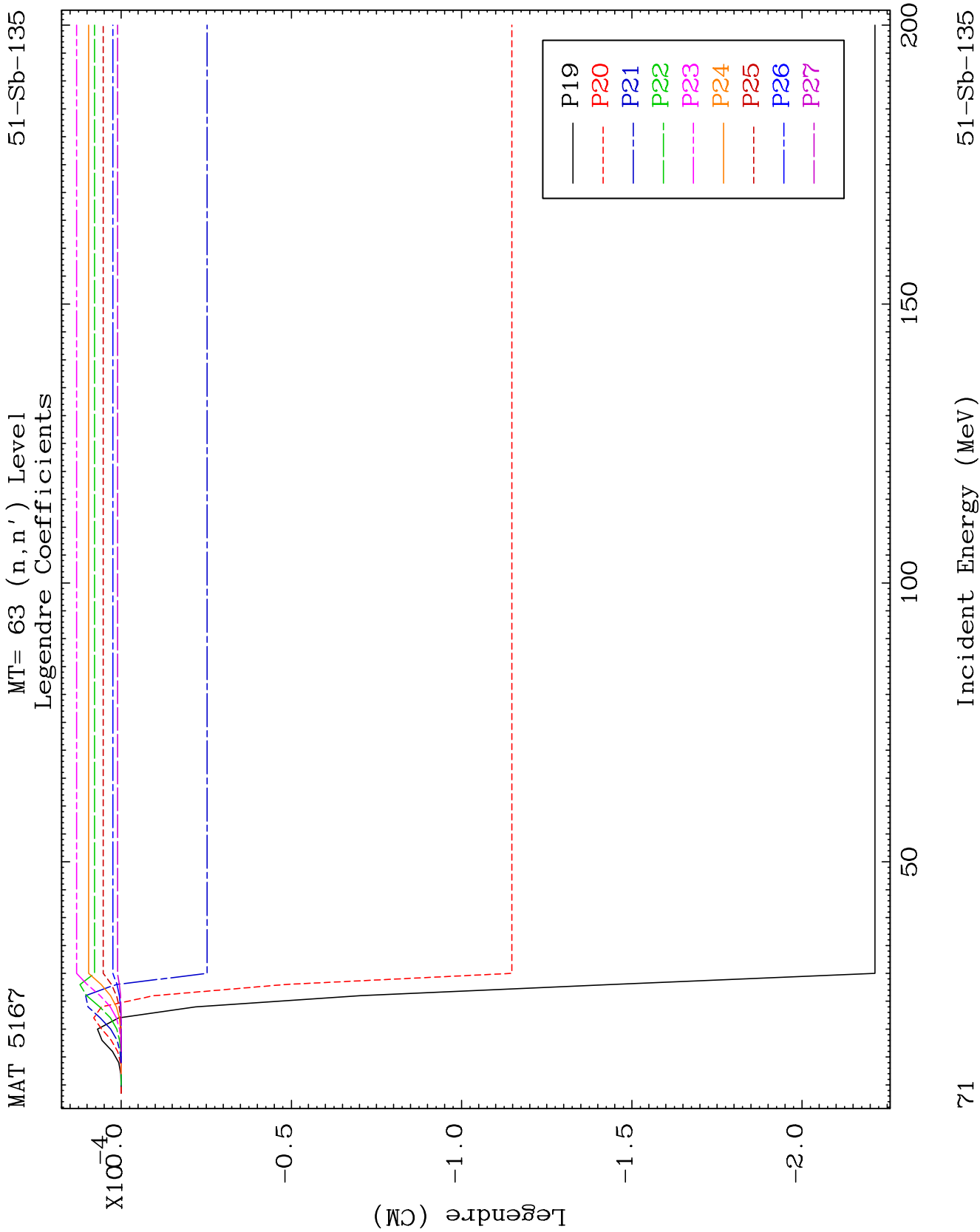
51-Sb-135

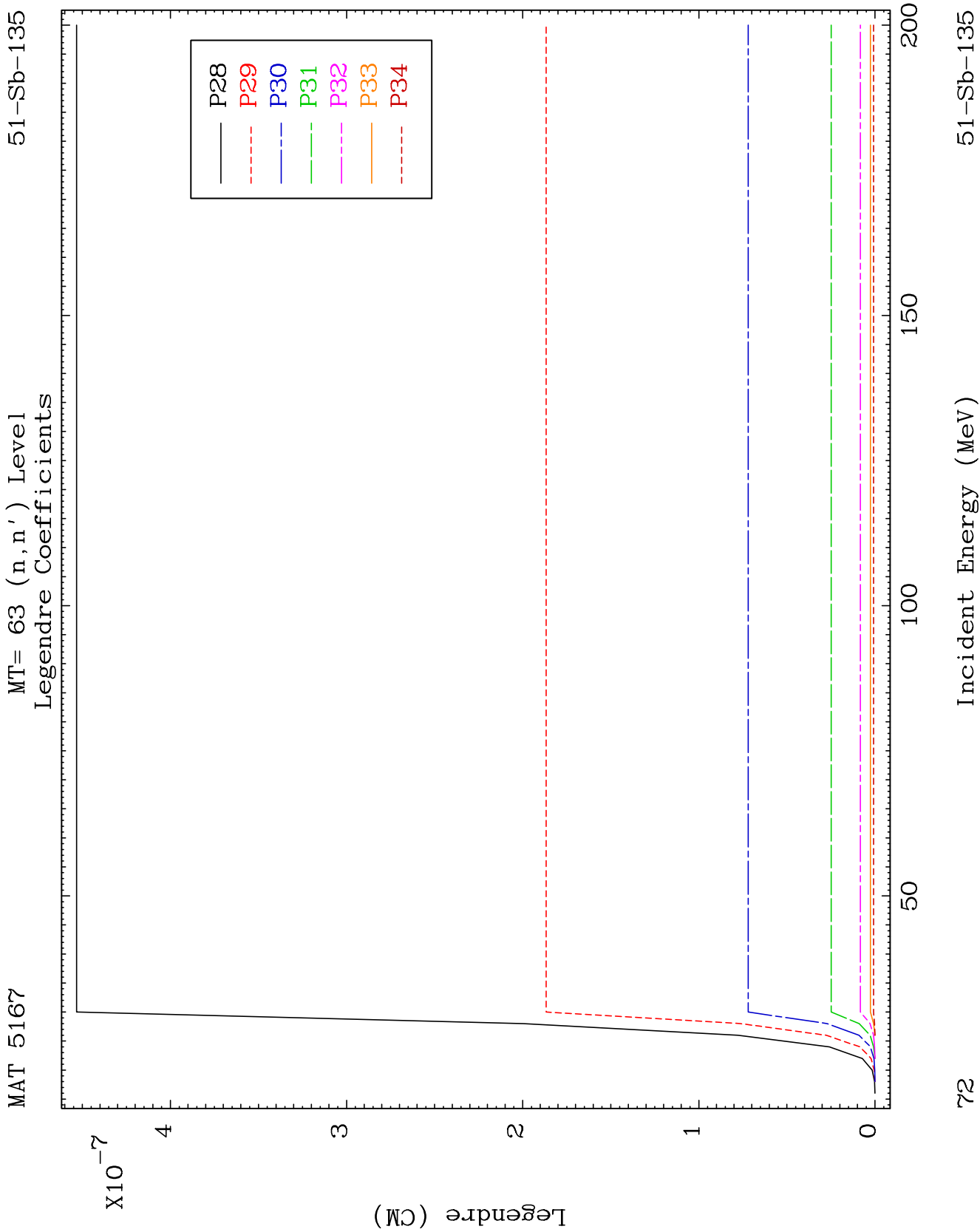


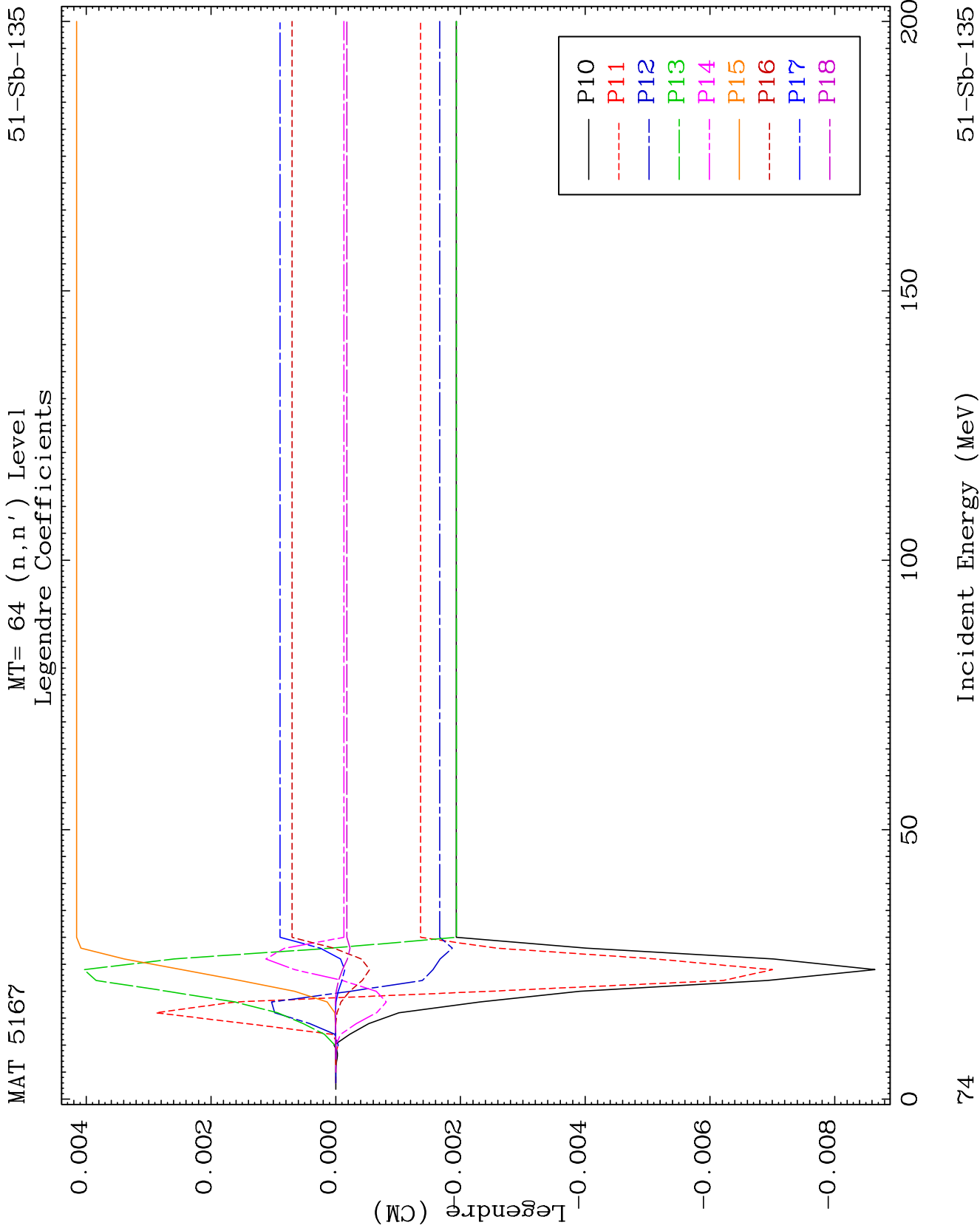
02

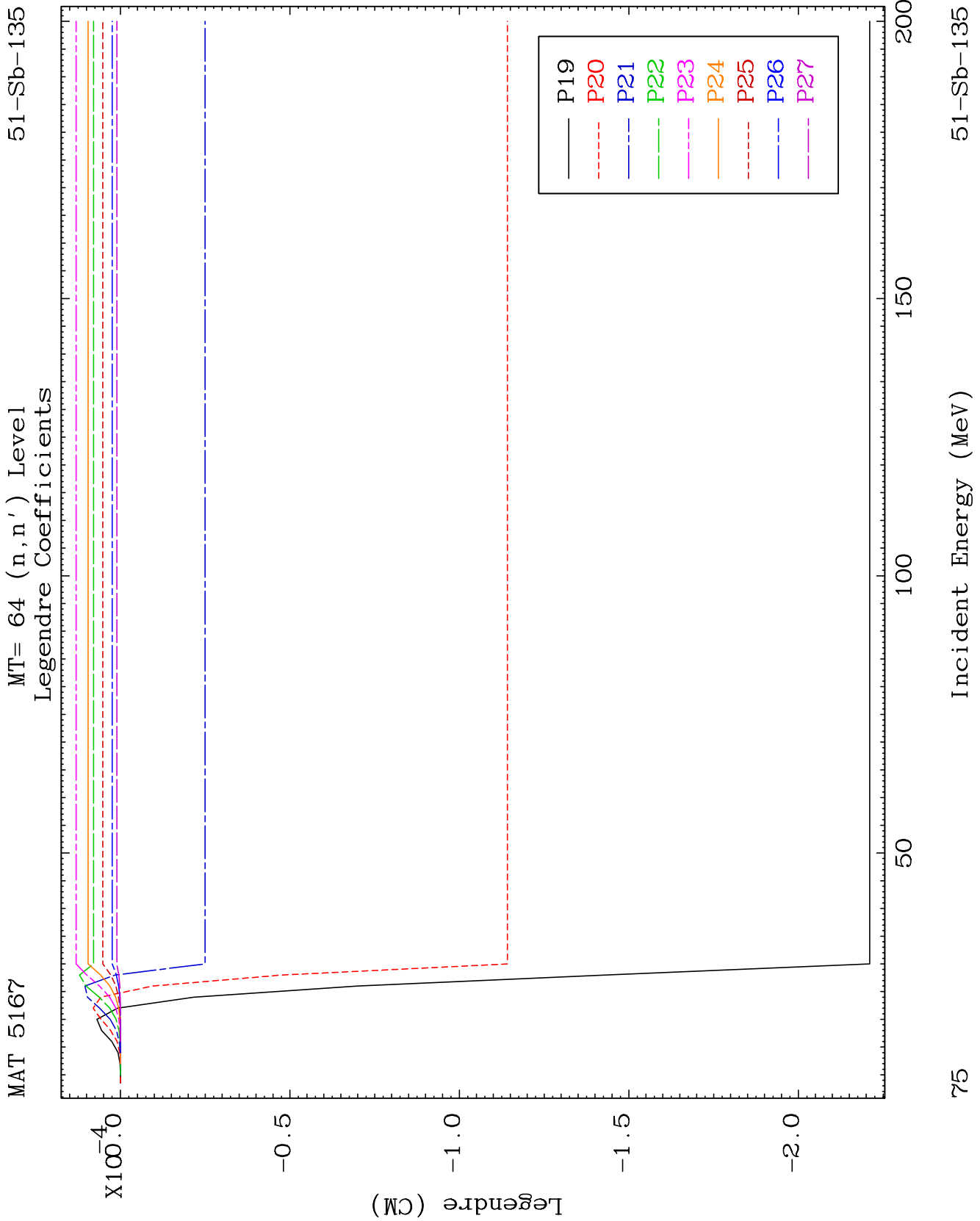
Incident Energy (MeV)

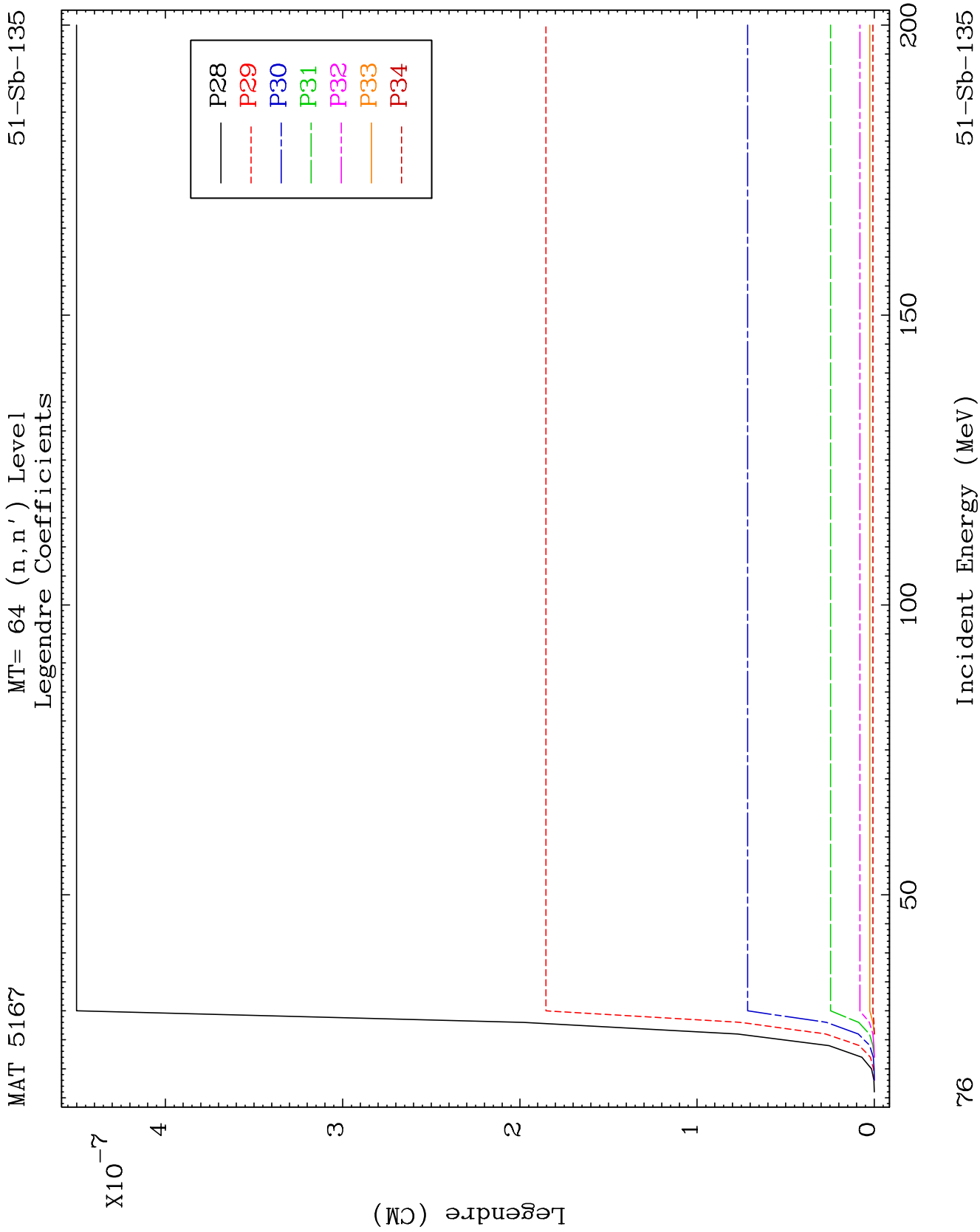
51-Sb-135

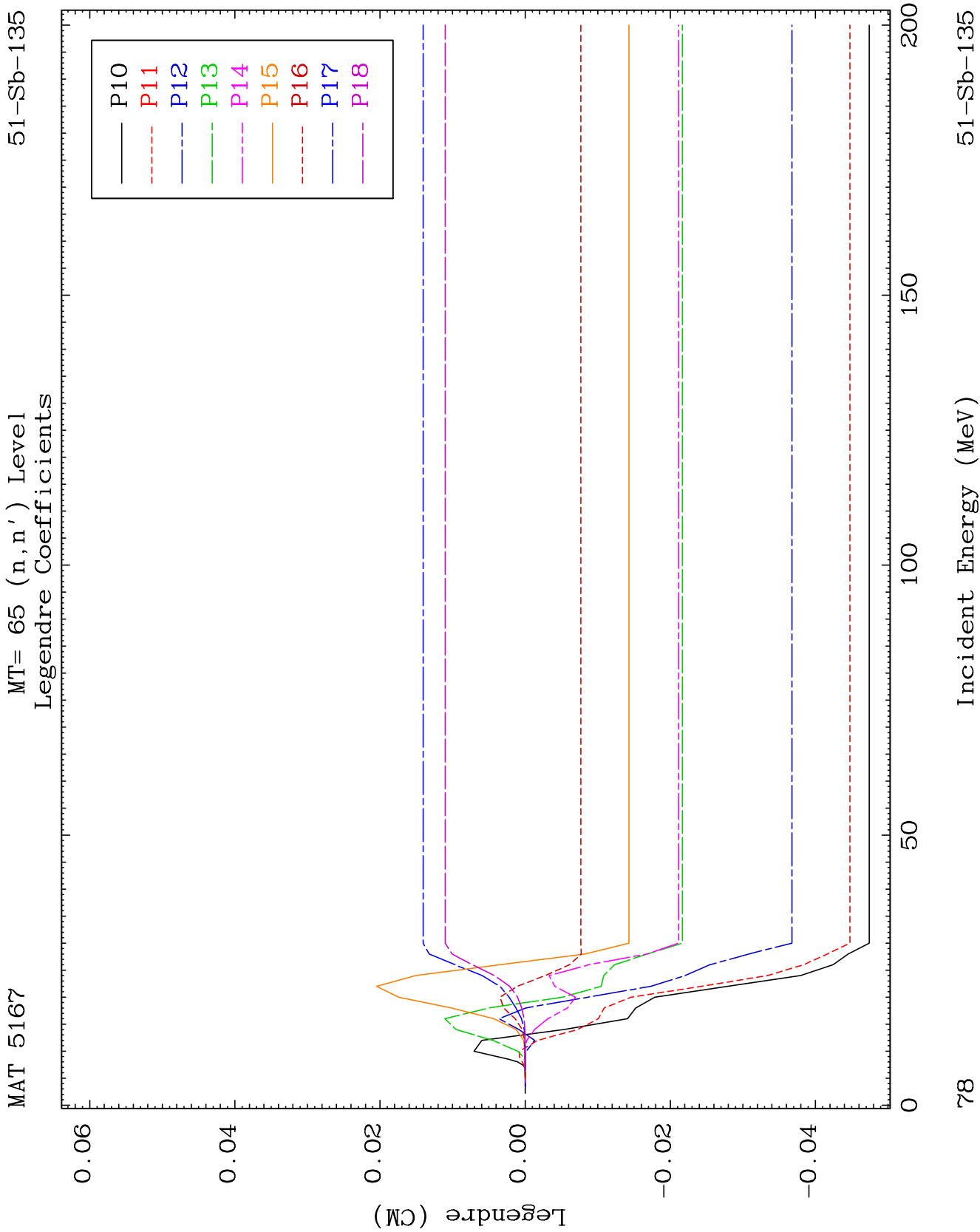








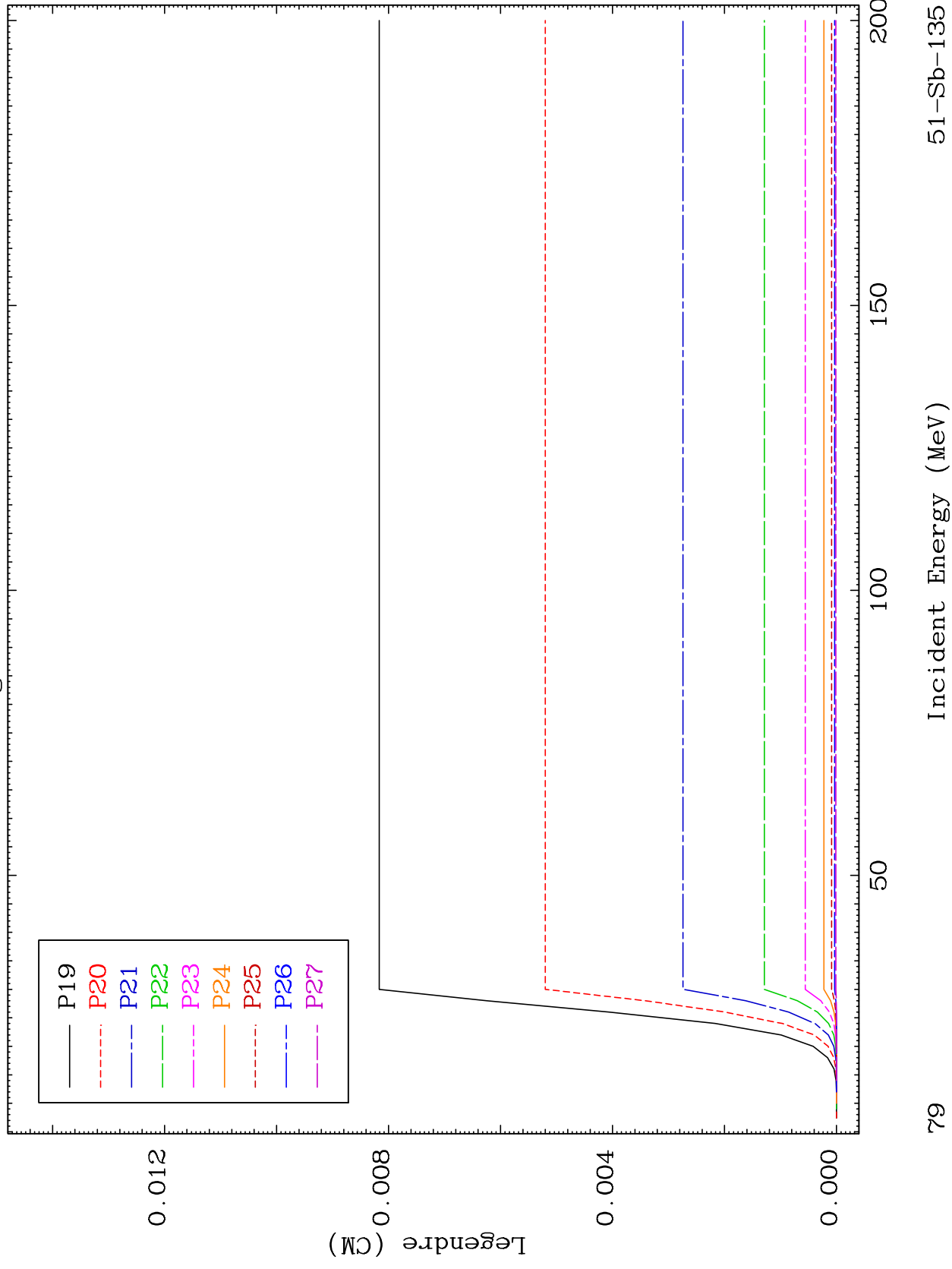


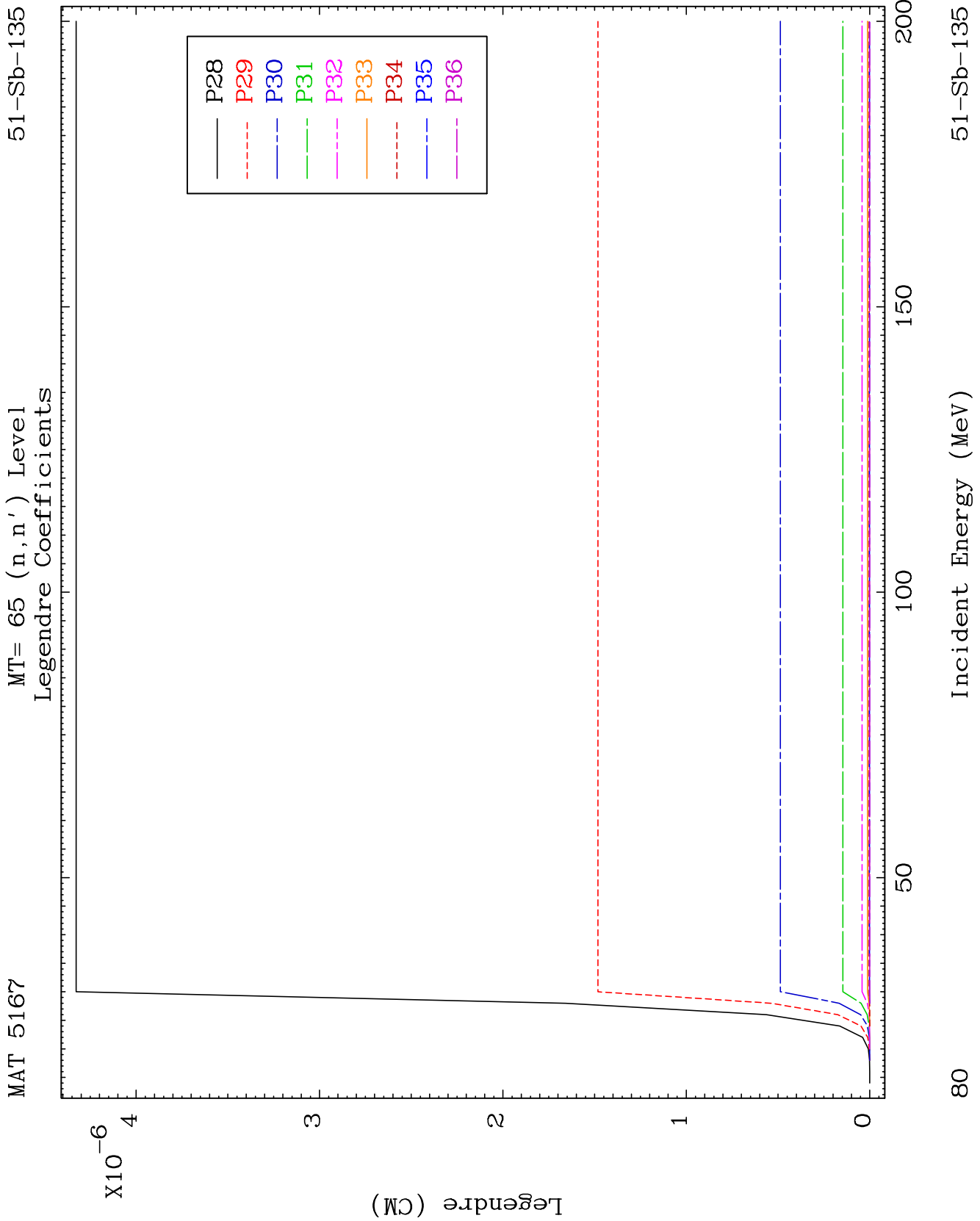


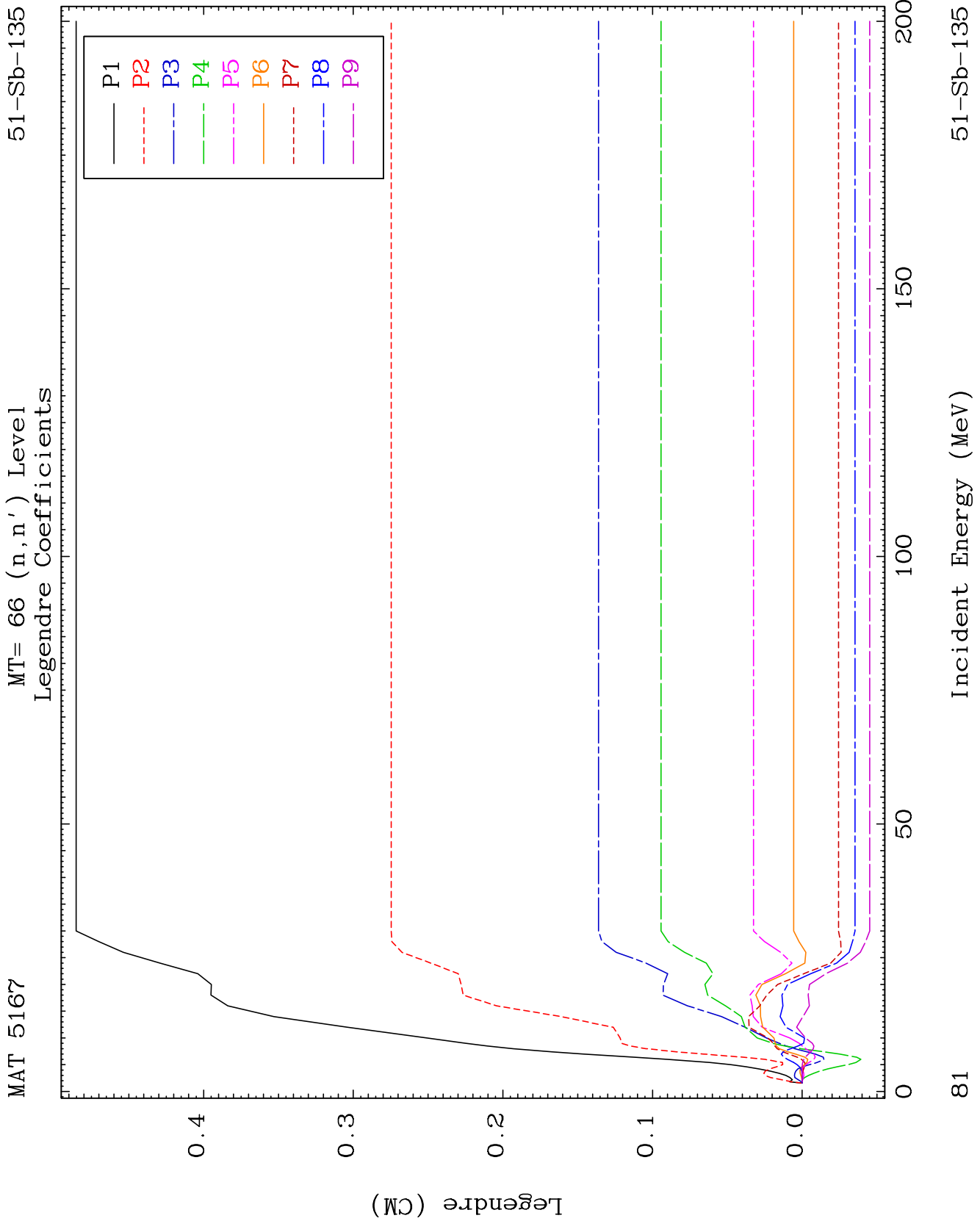
MAT 5167

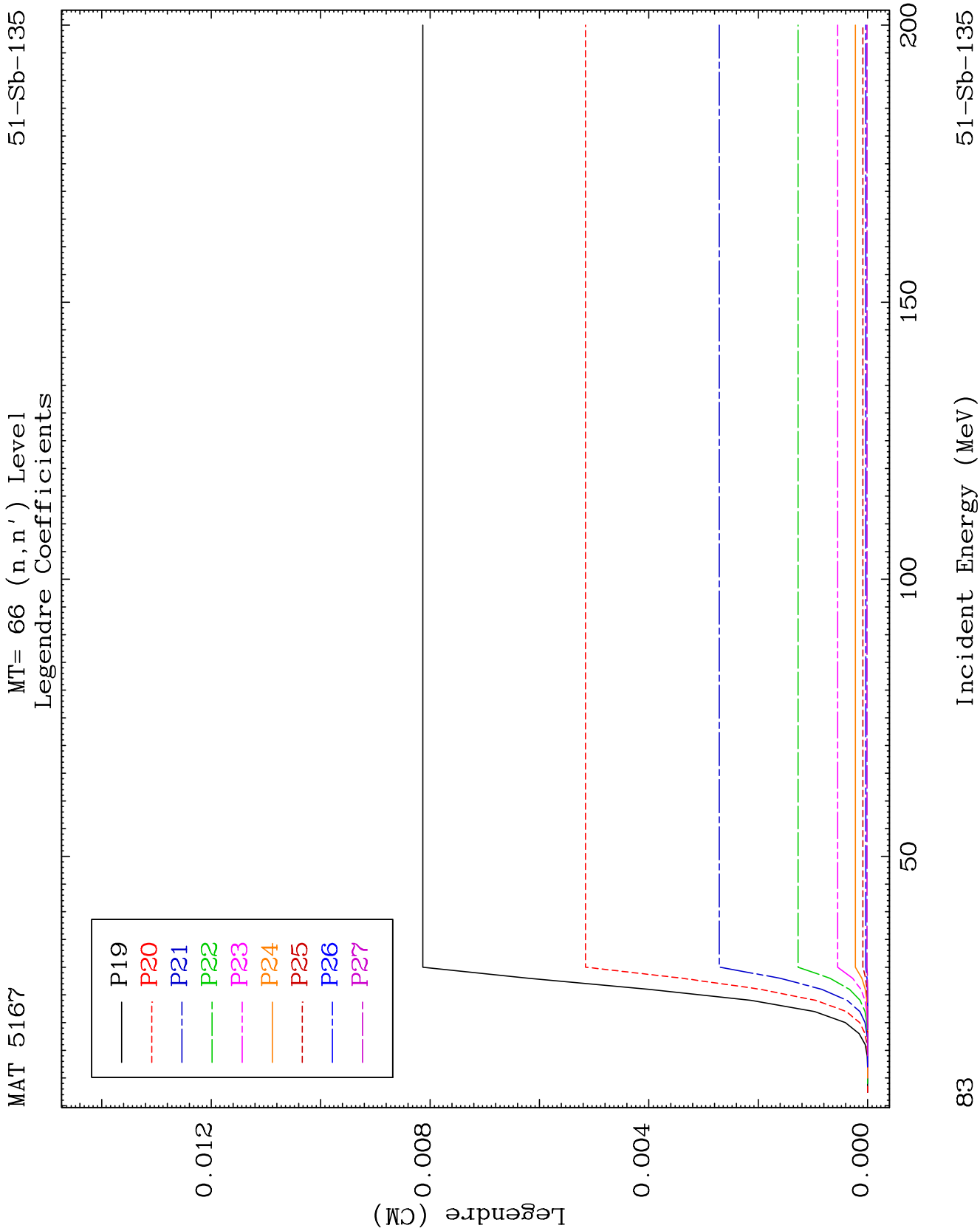
MT= 65 (n, n') Level
Legendre Coefficients

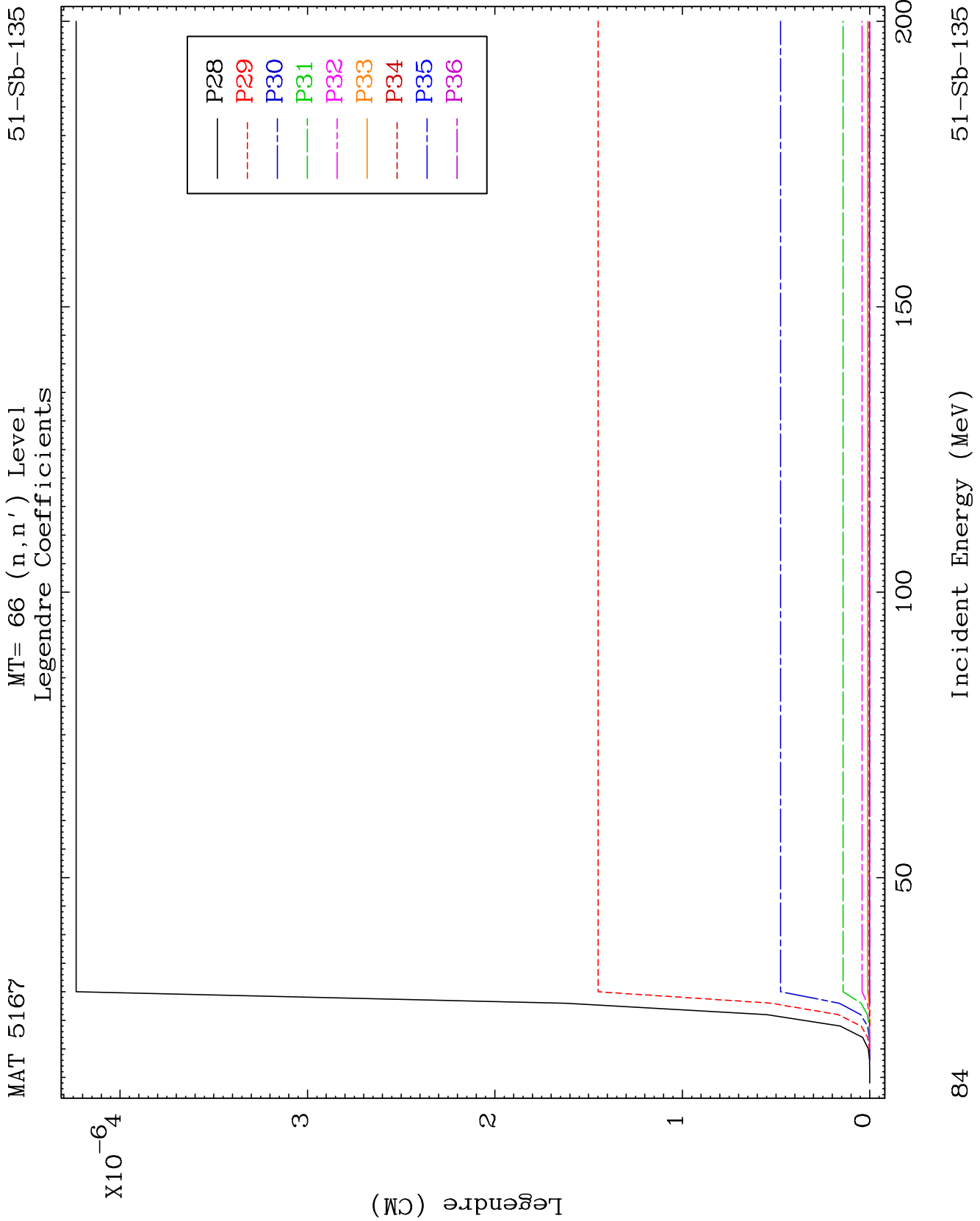
51-Sb-135

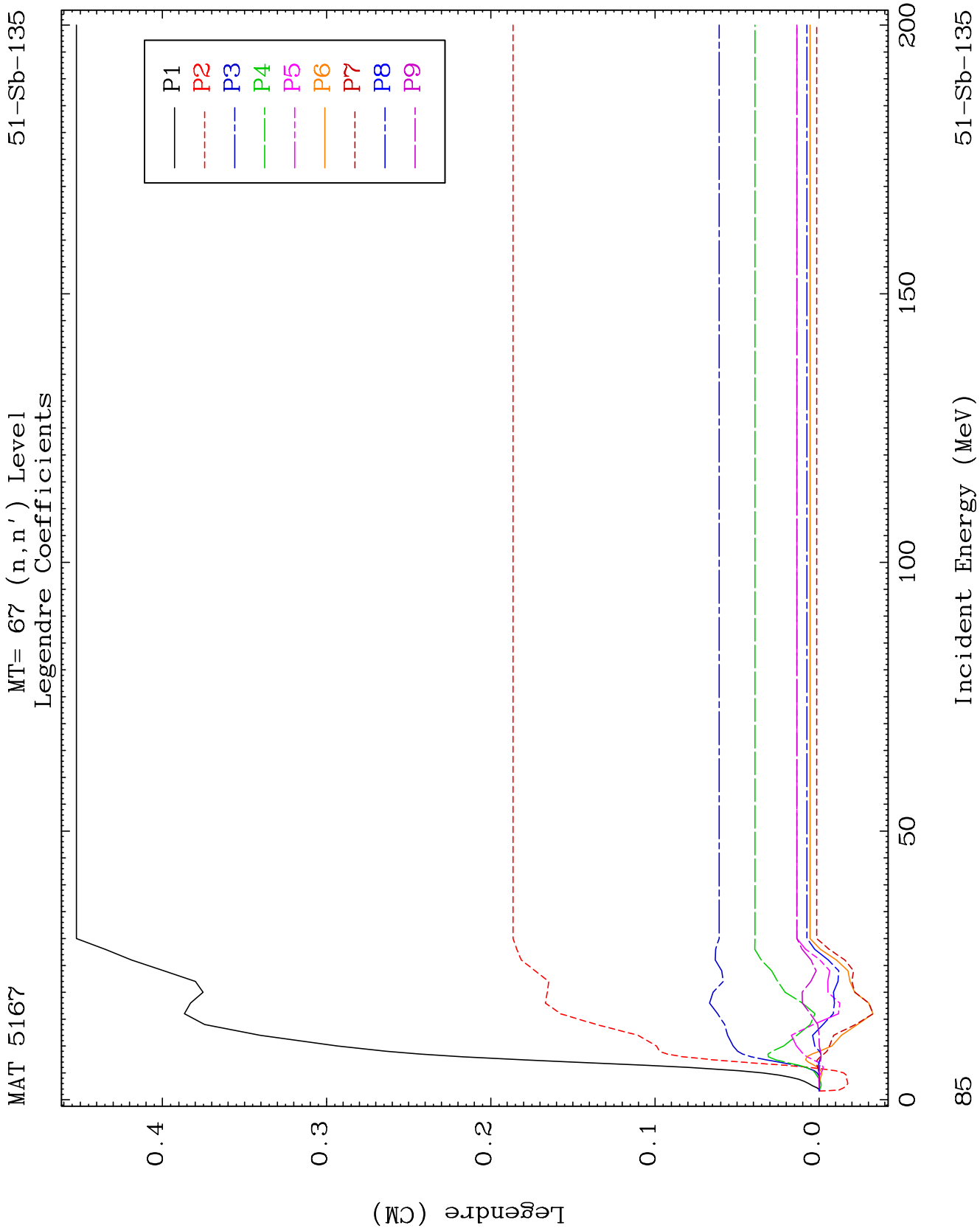


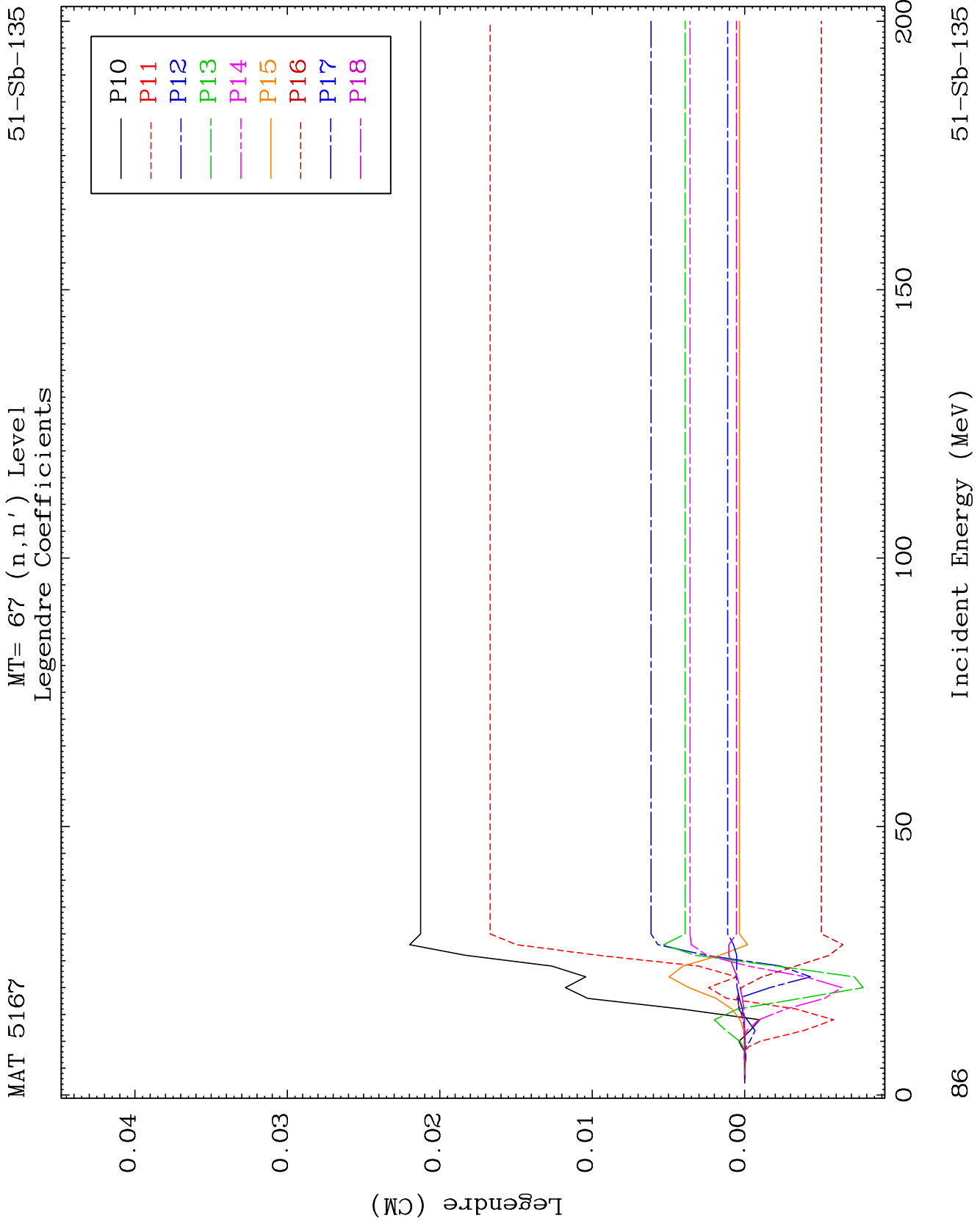


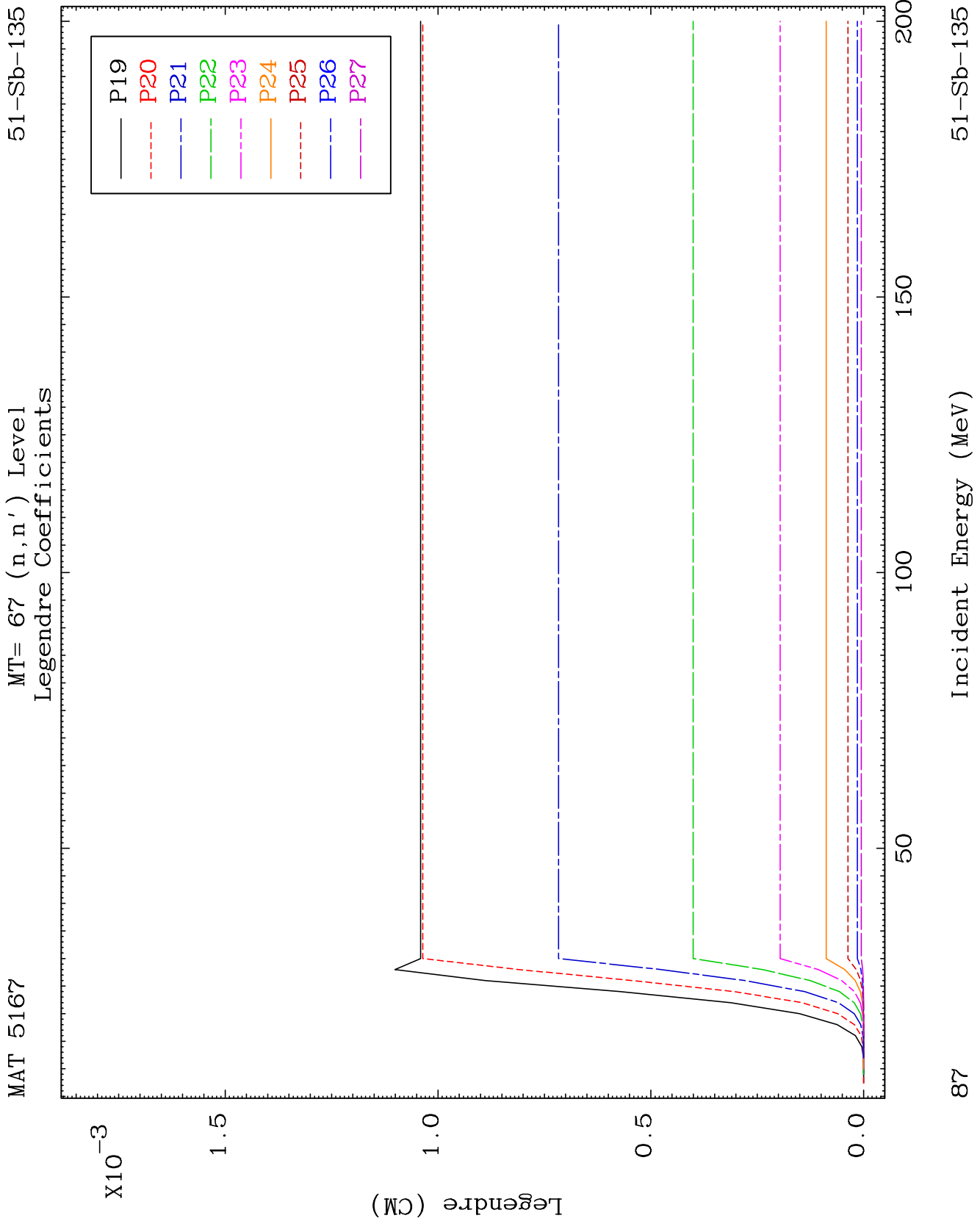


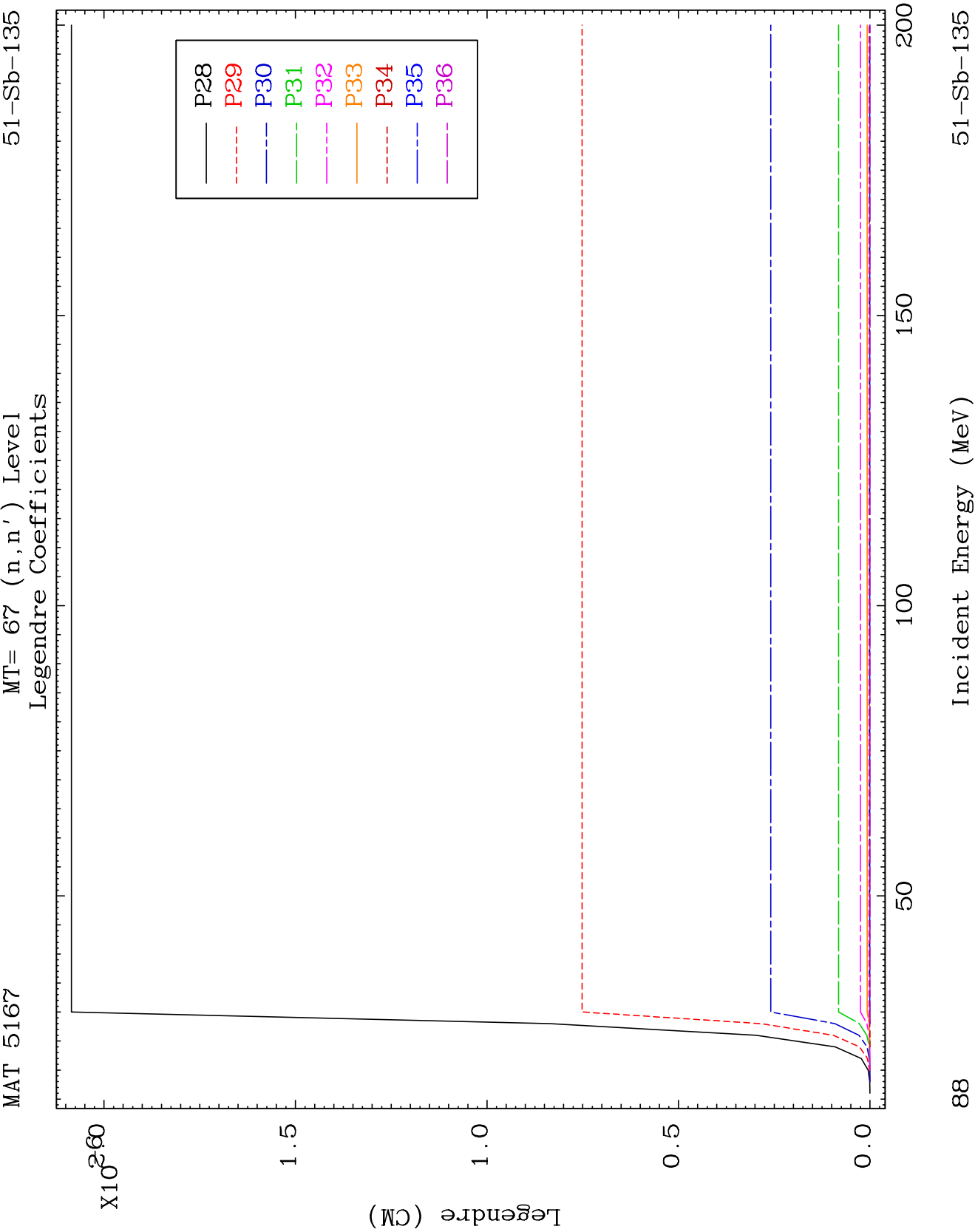


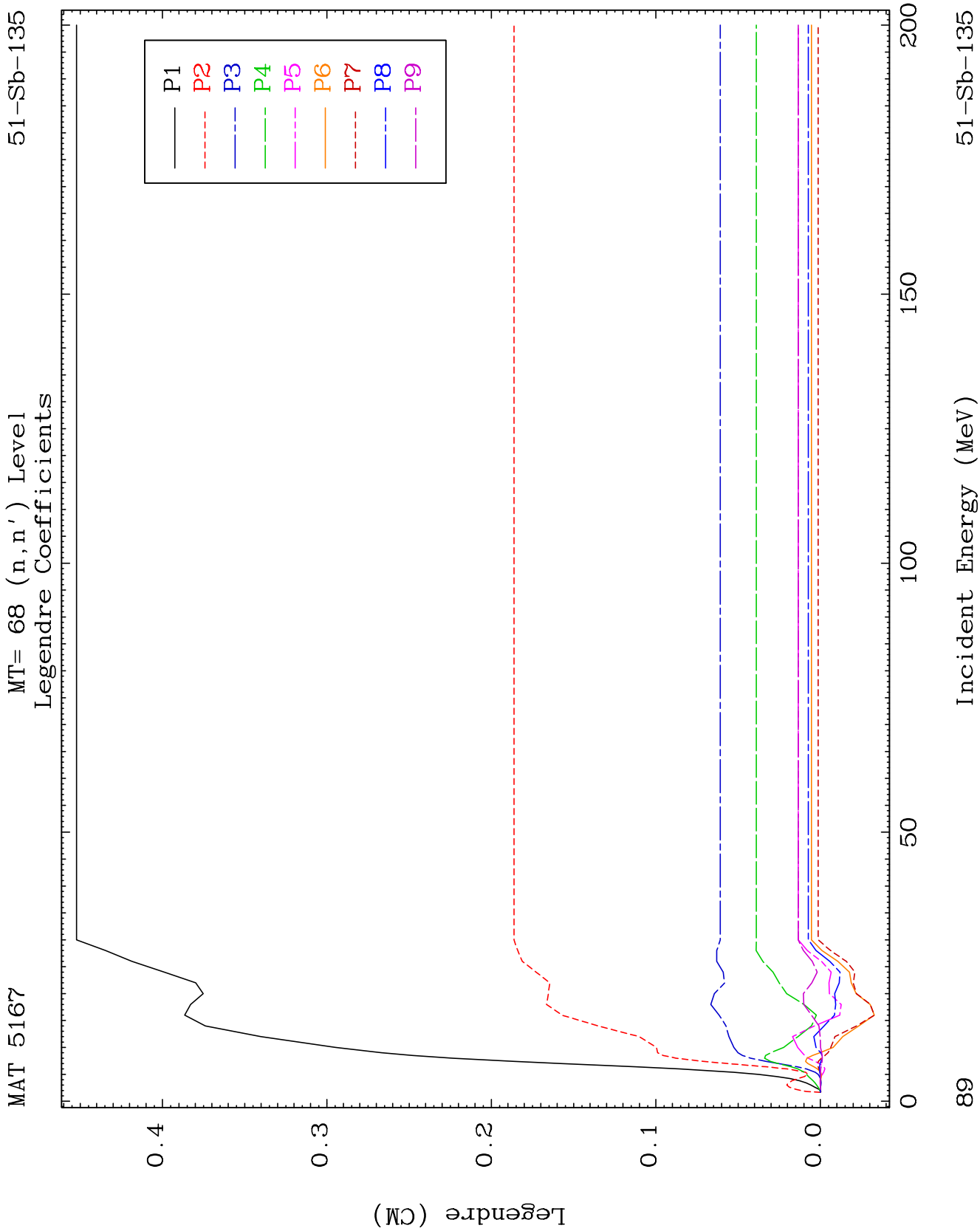








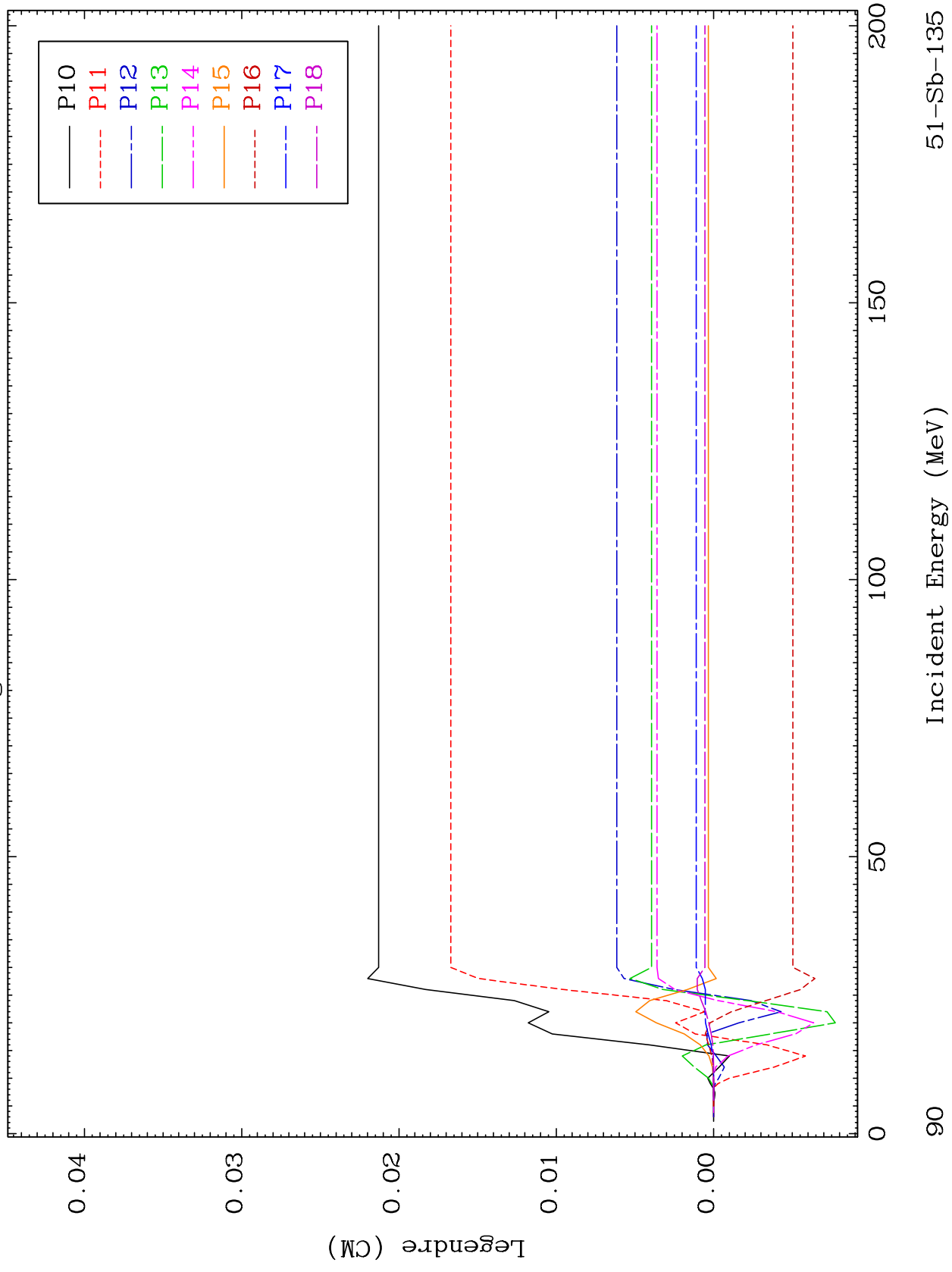


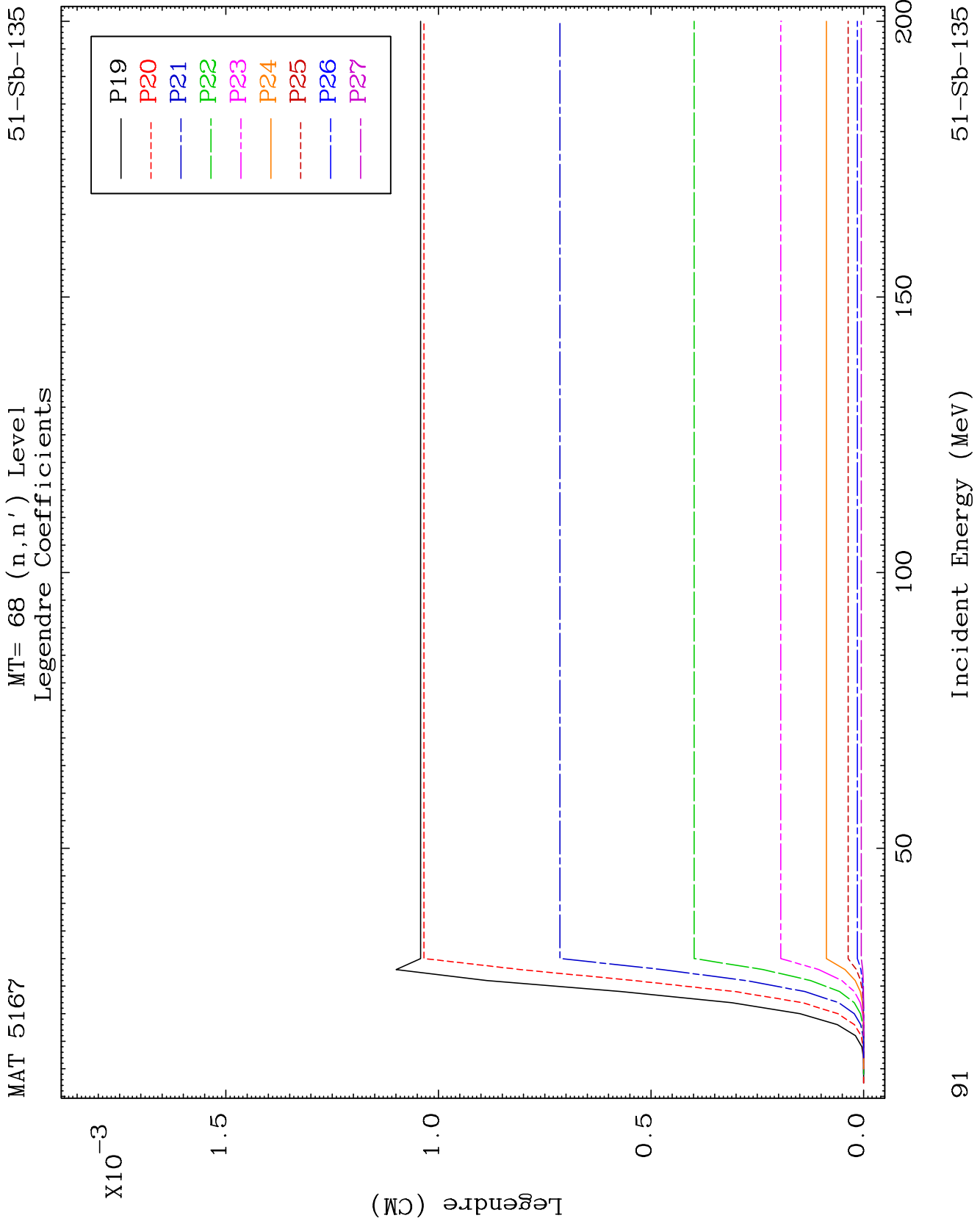


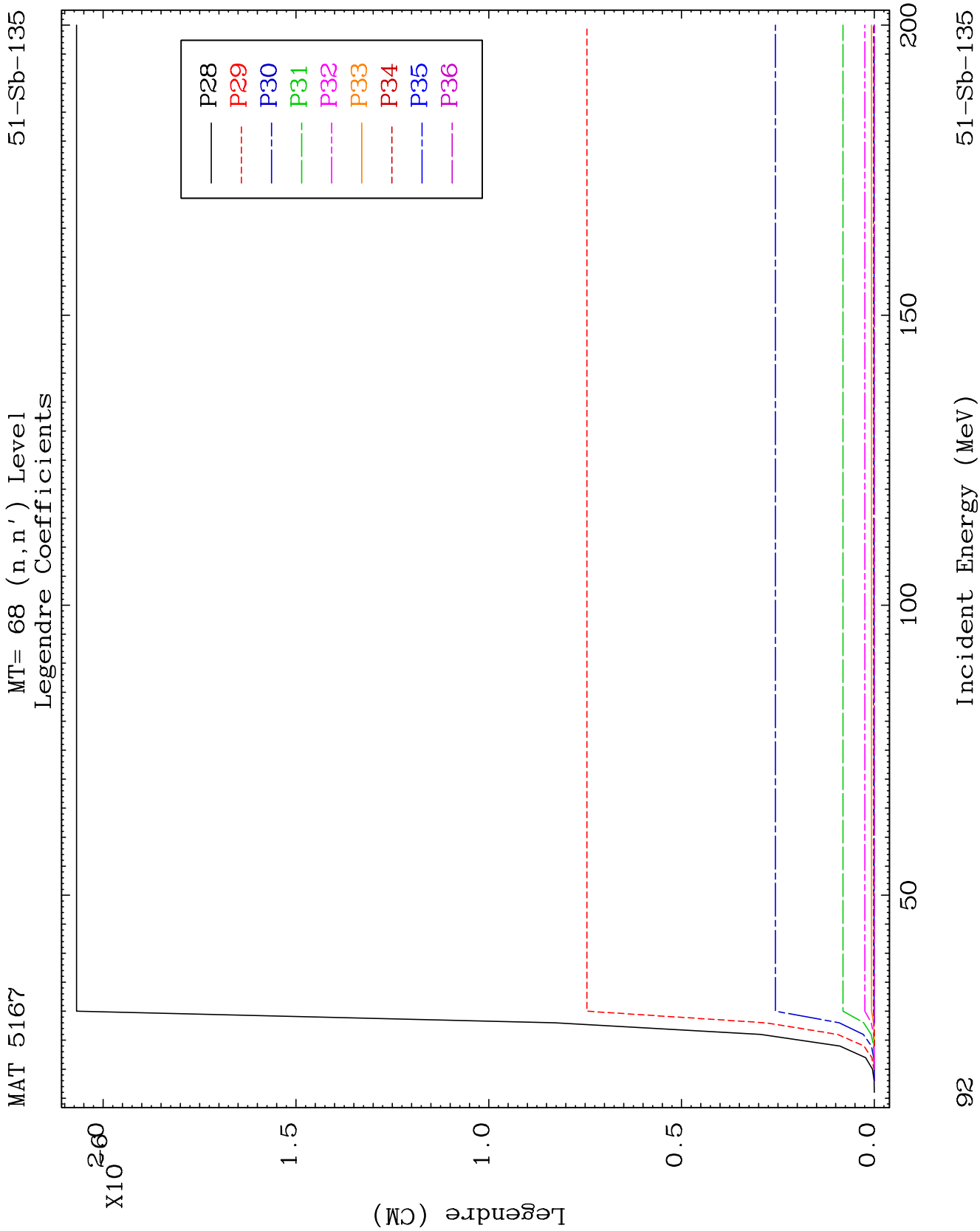
MAT 5167

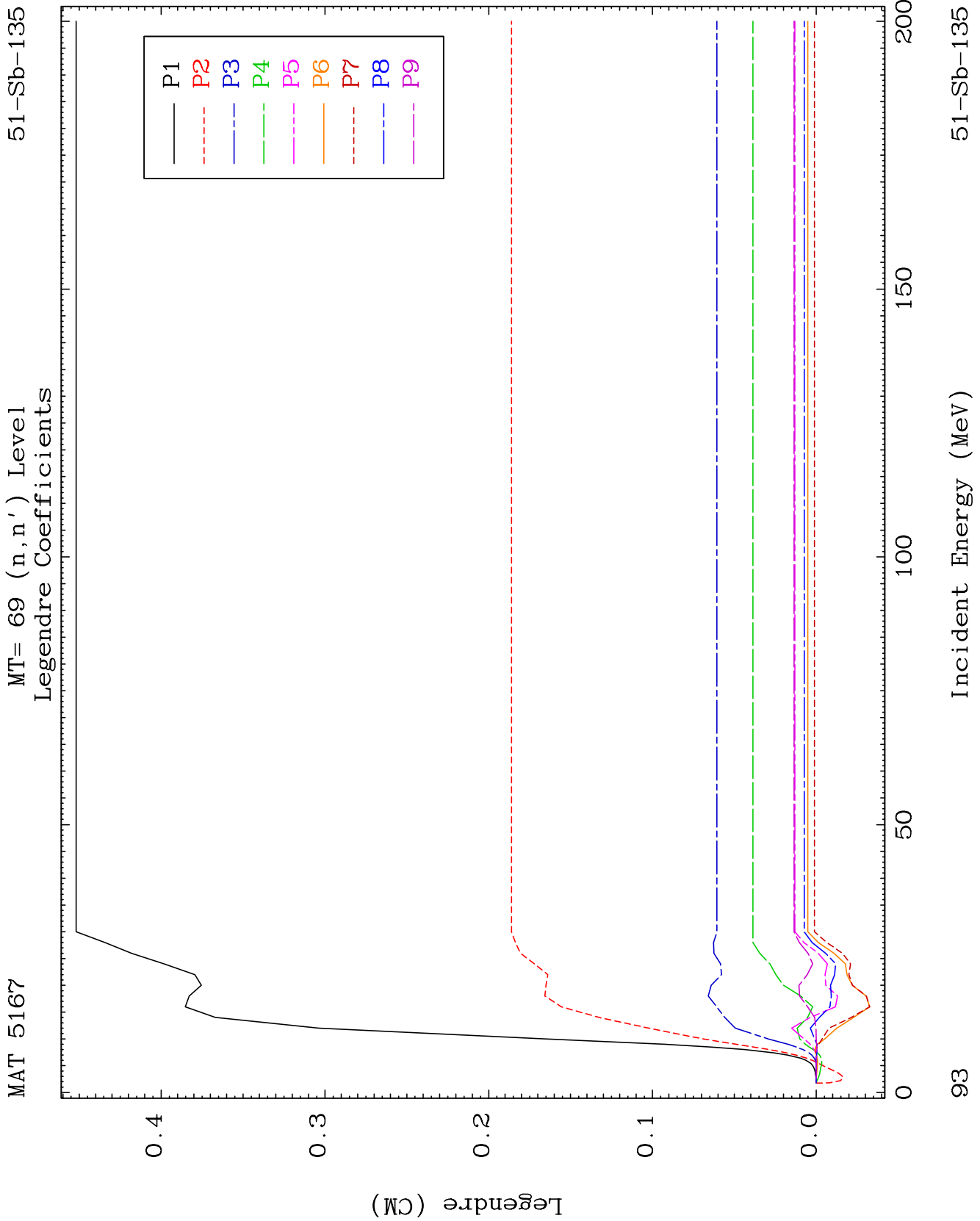
MT= 68 (n, n') Level
Legendre Coefficients

51-Sb-135





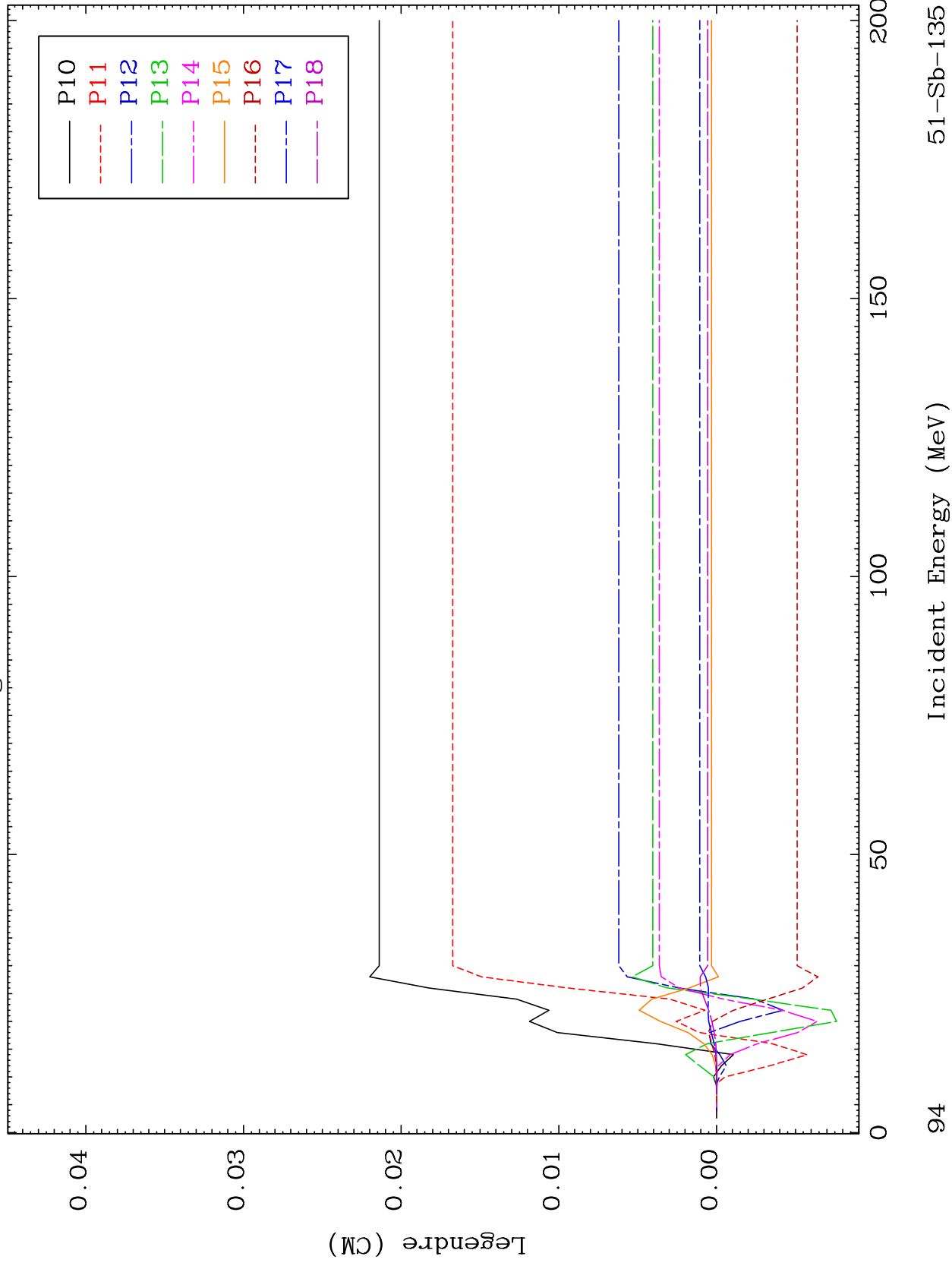


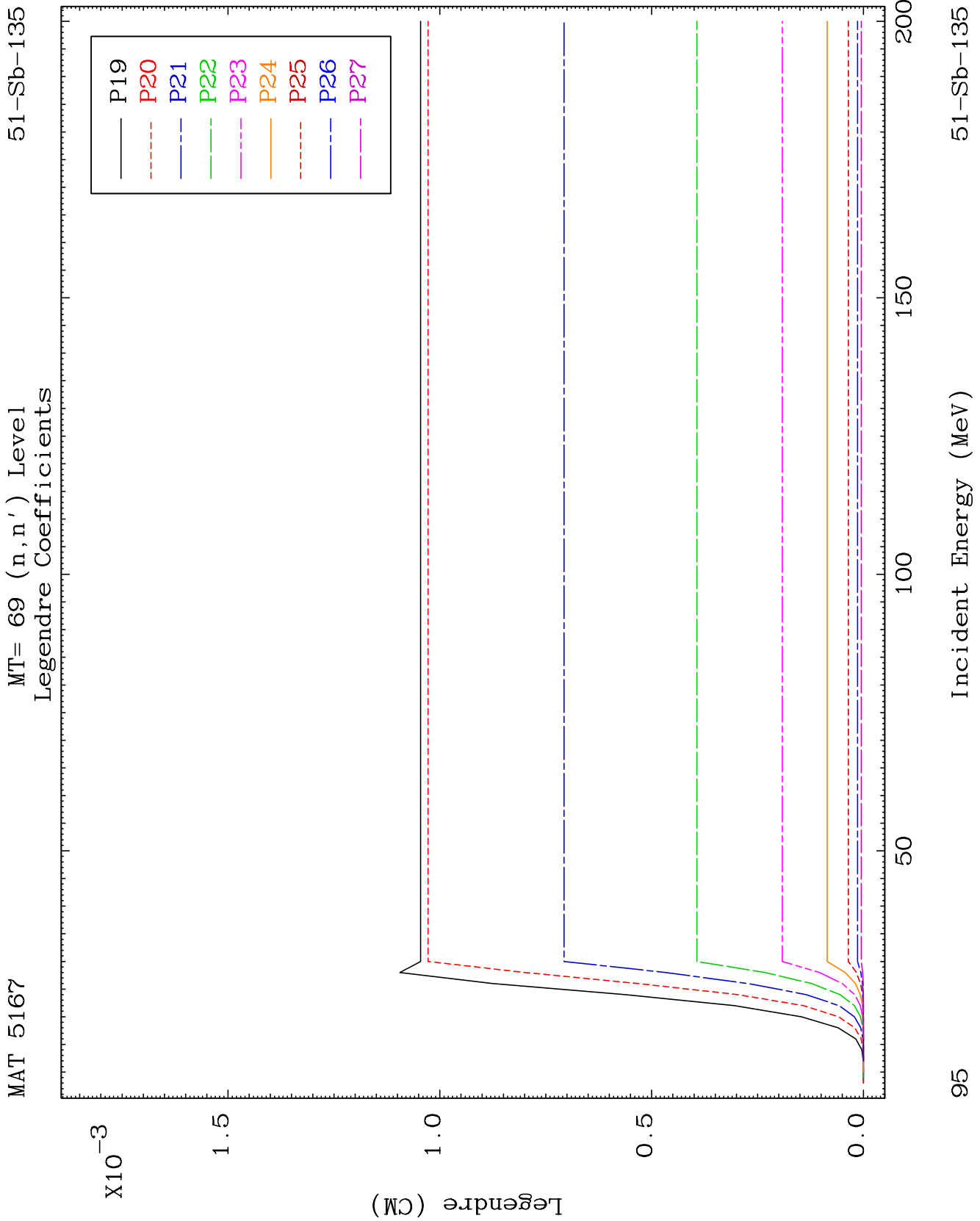


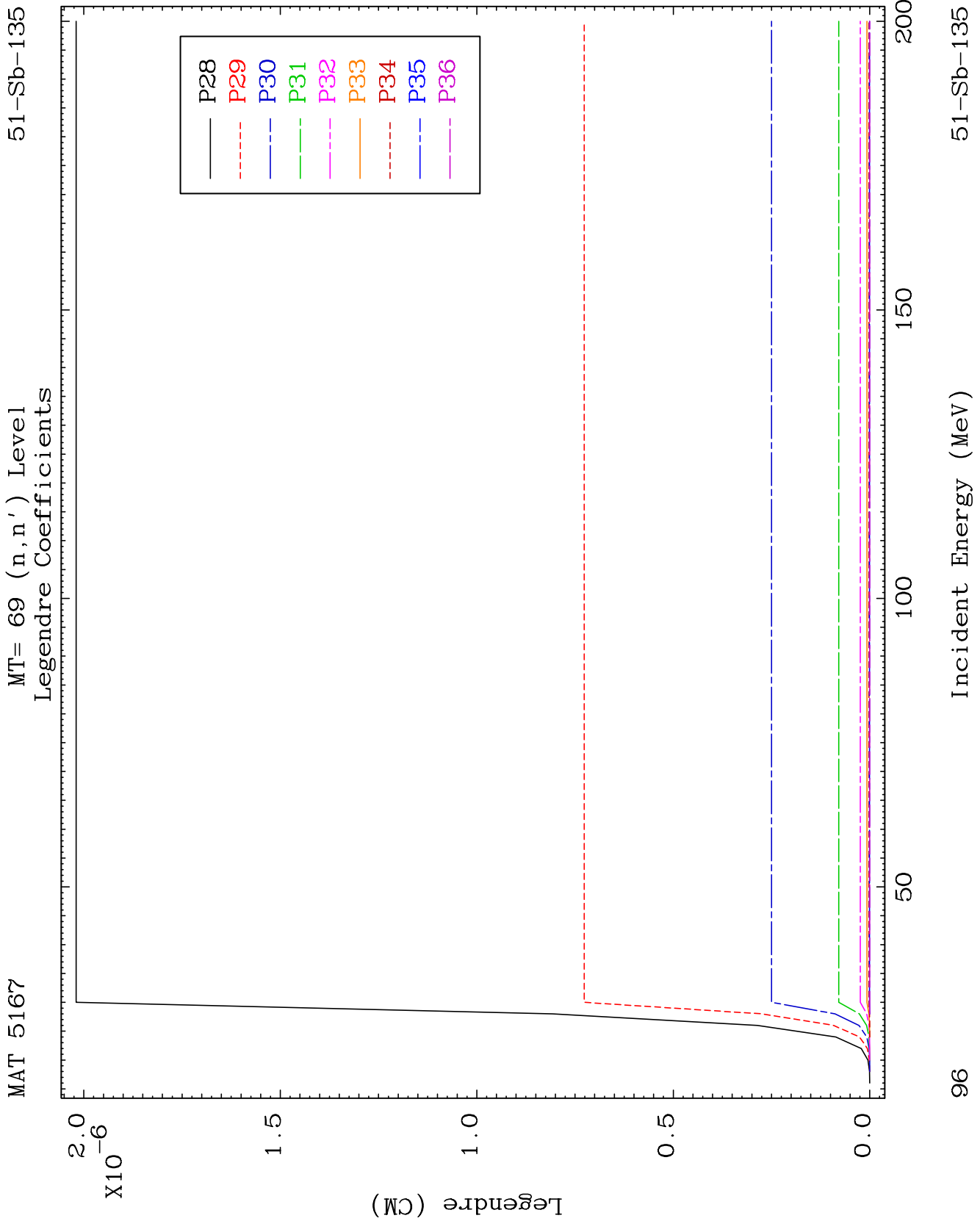
MAT 5167

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

51-Sb-135



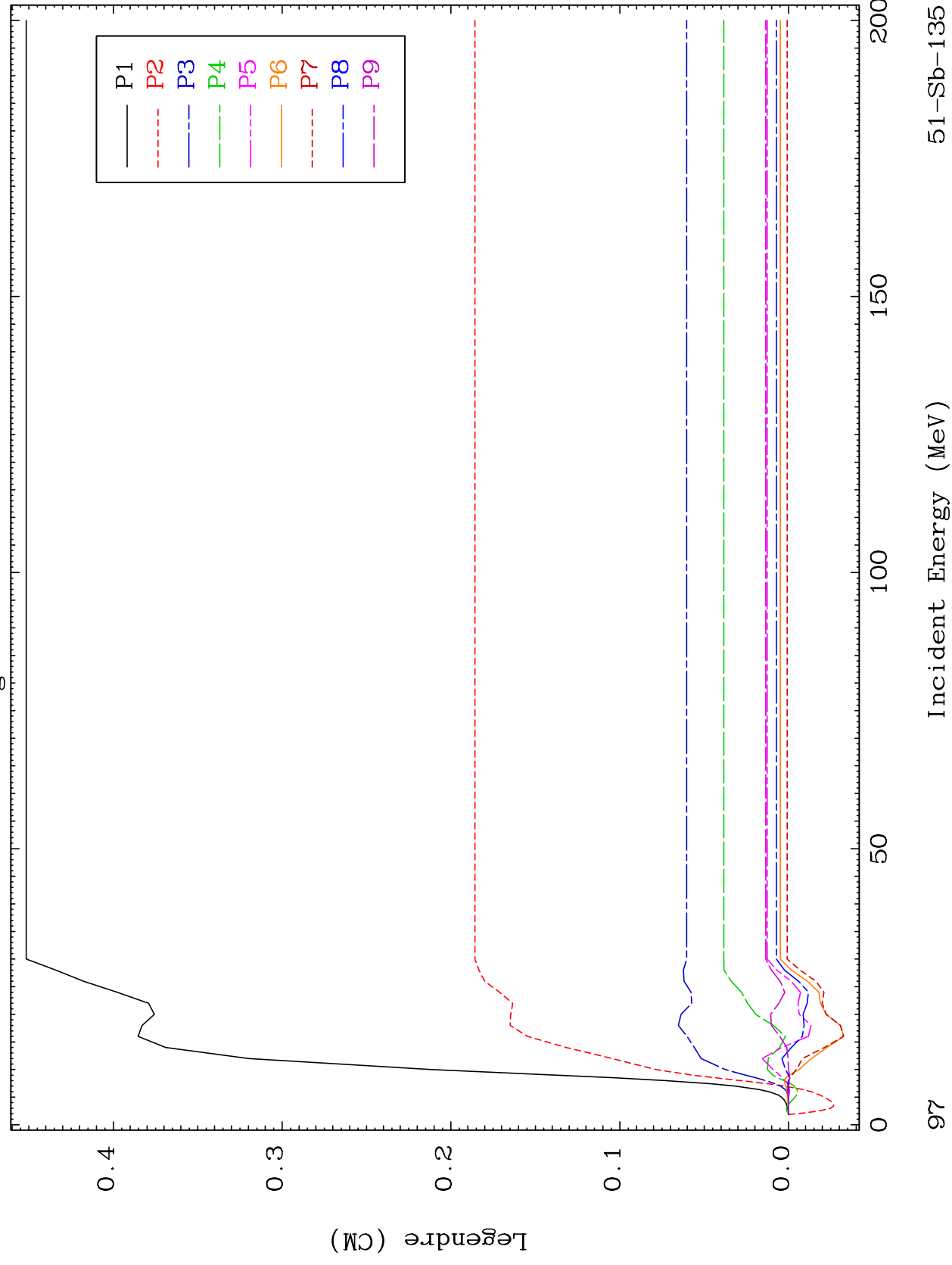




MAT 5167

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

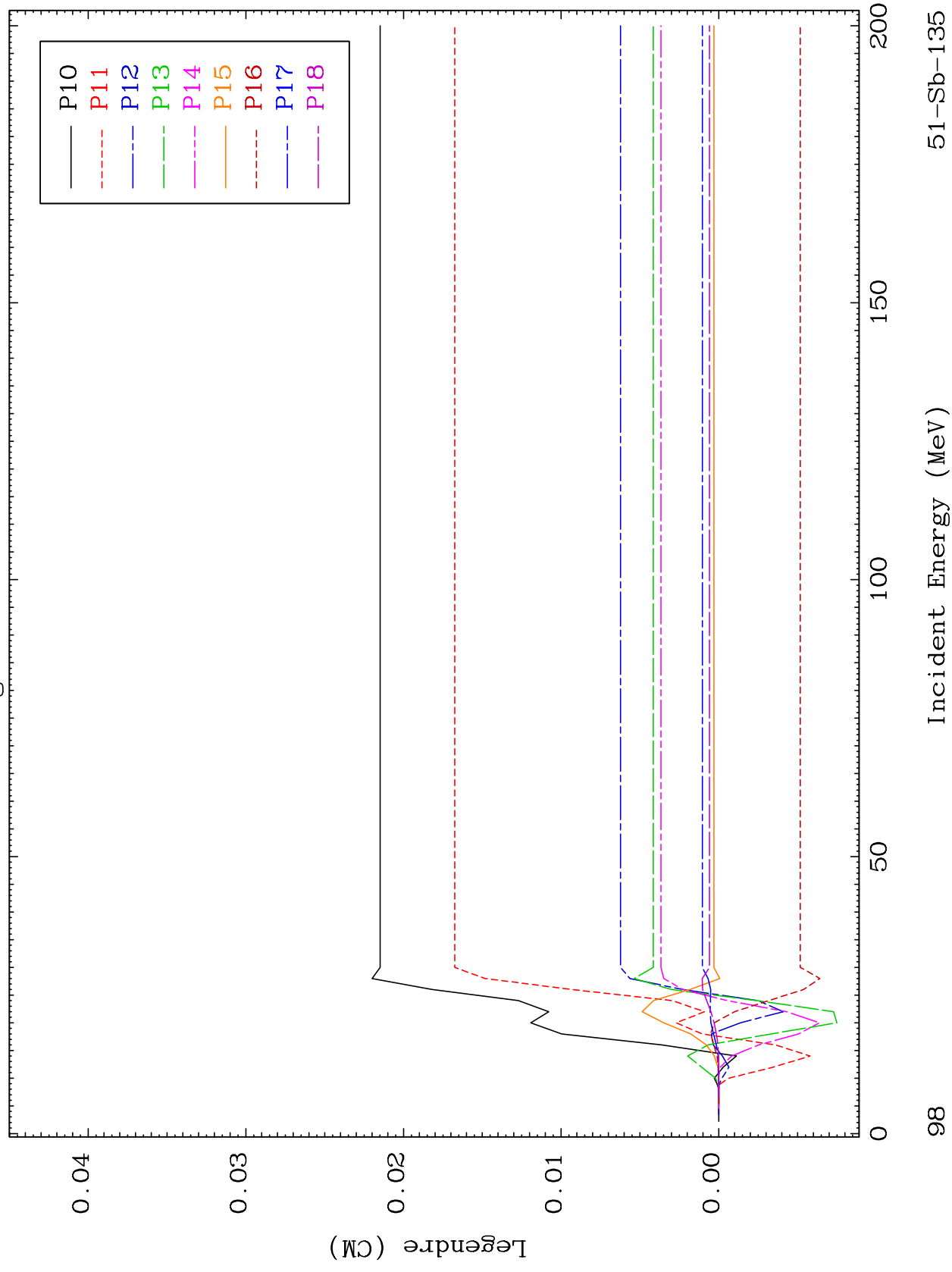
51-Sb-135

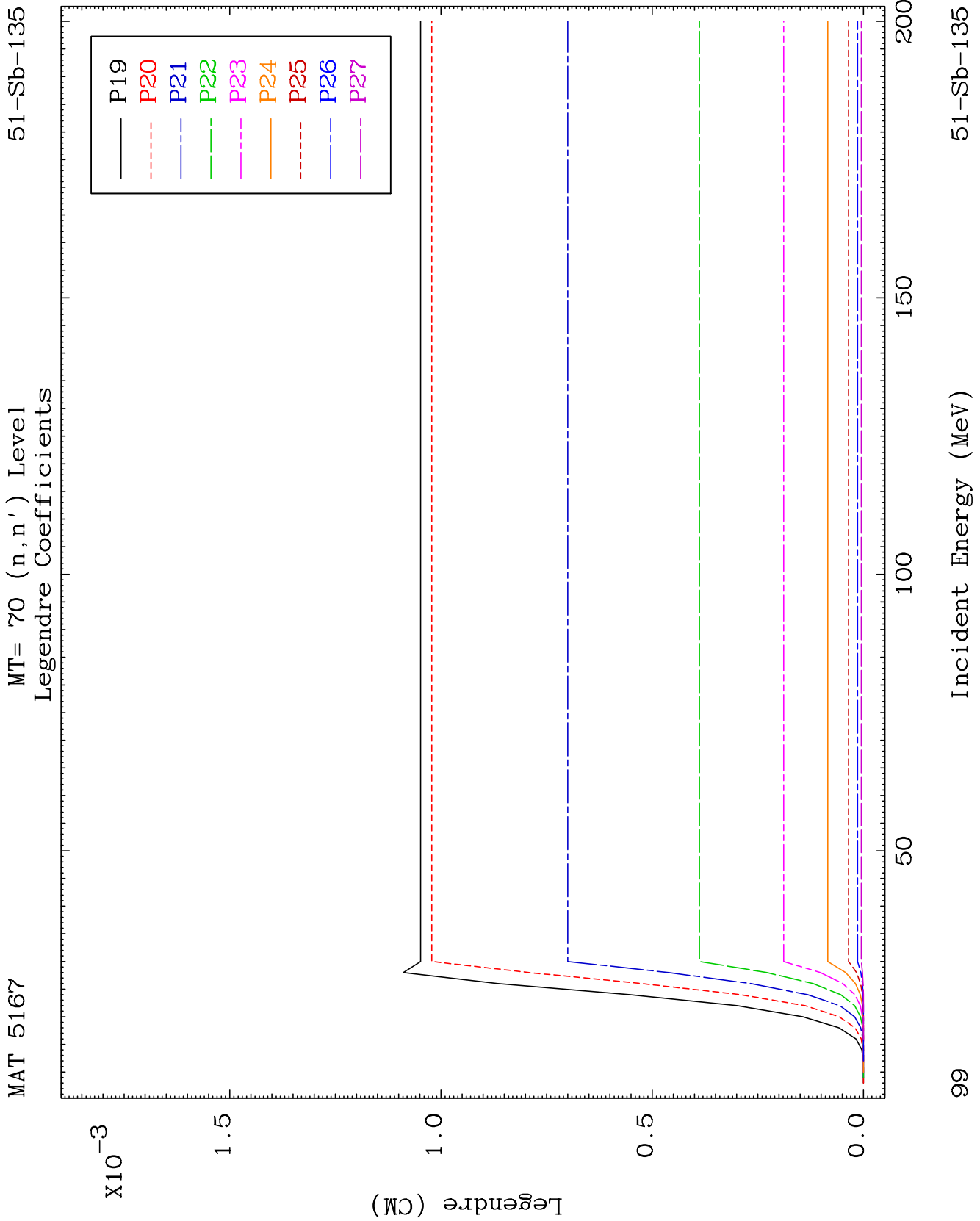


MAT 5167

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

51-Sb-135

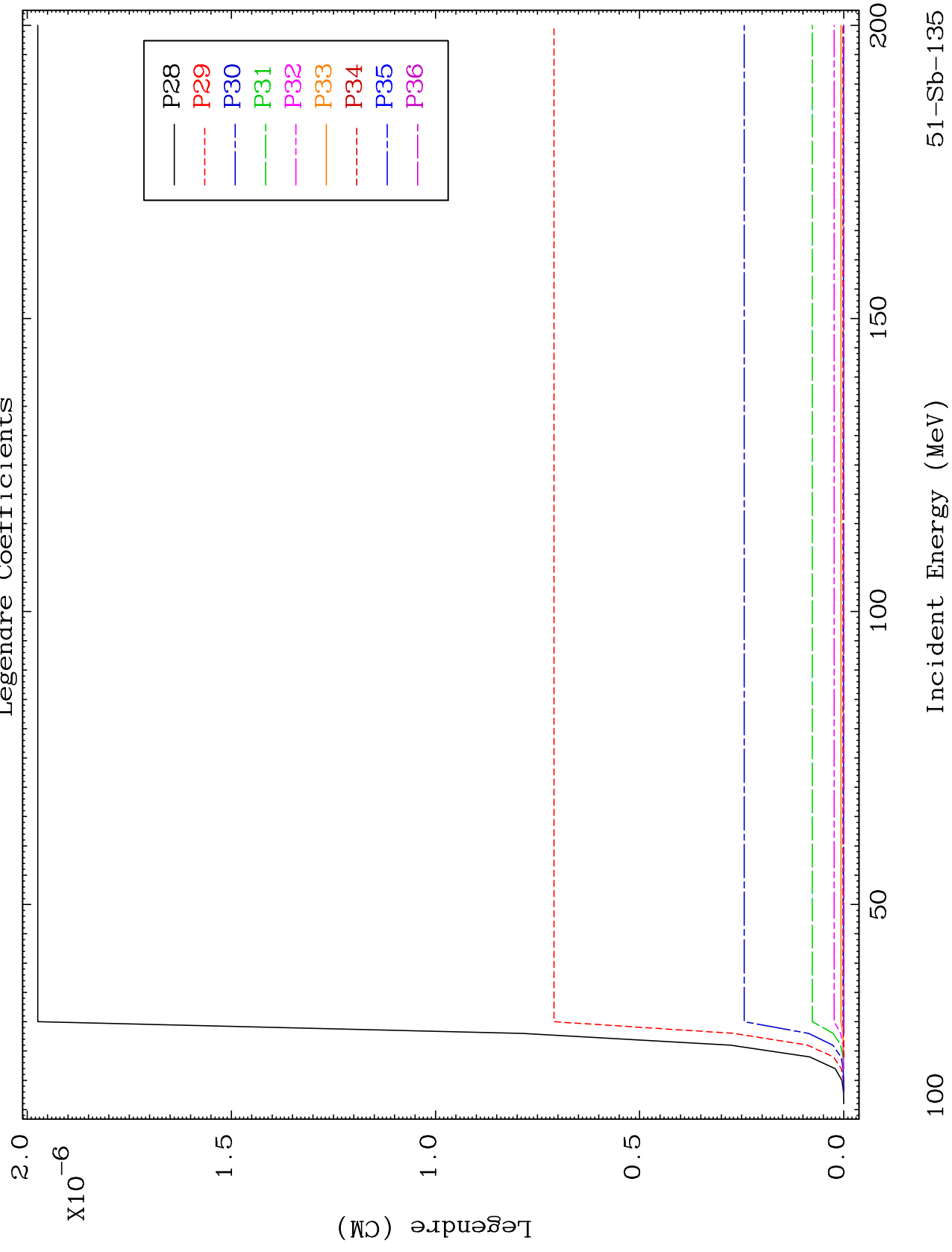


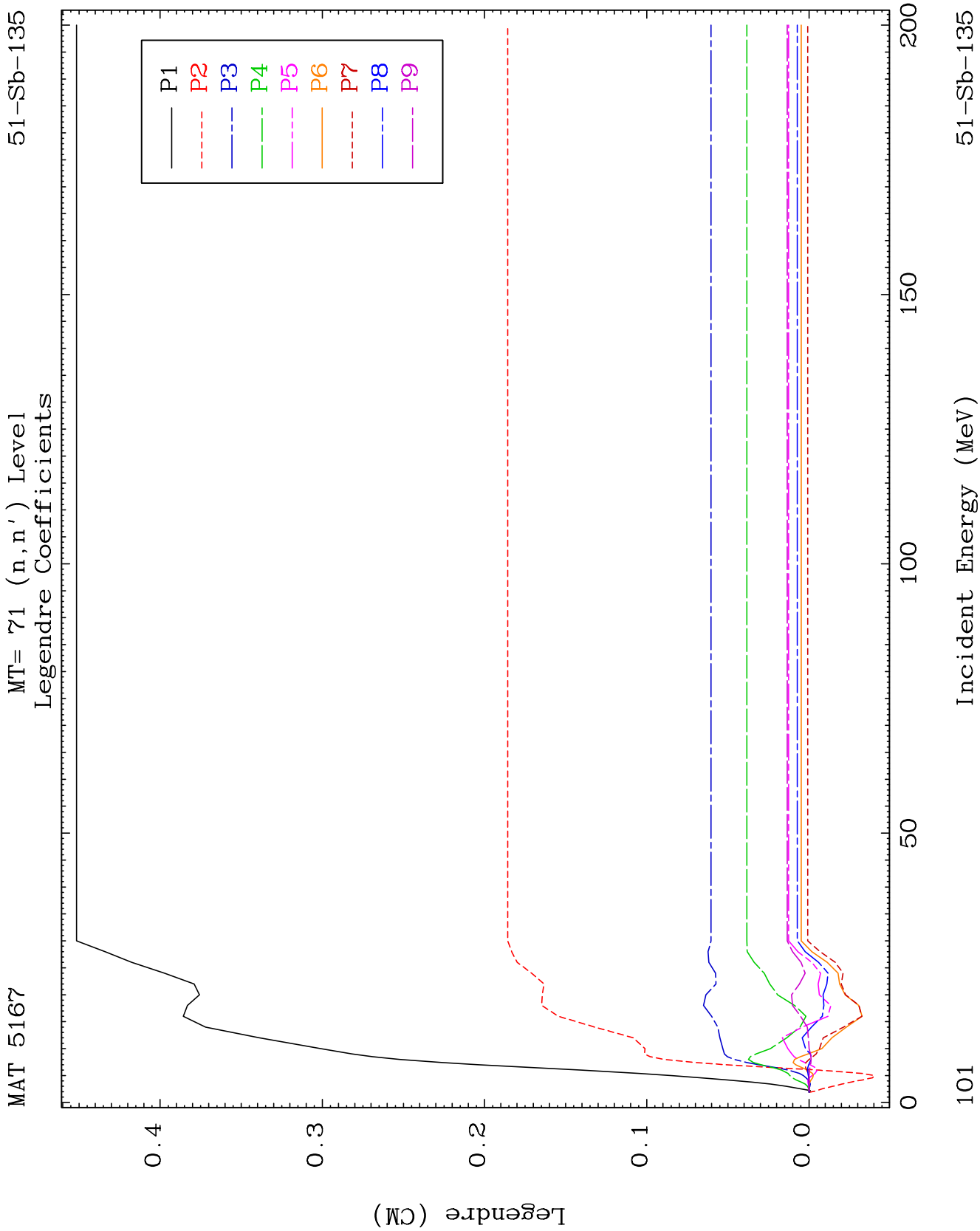


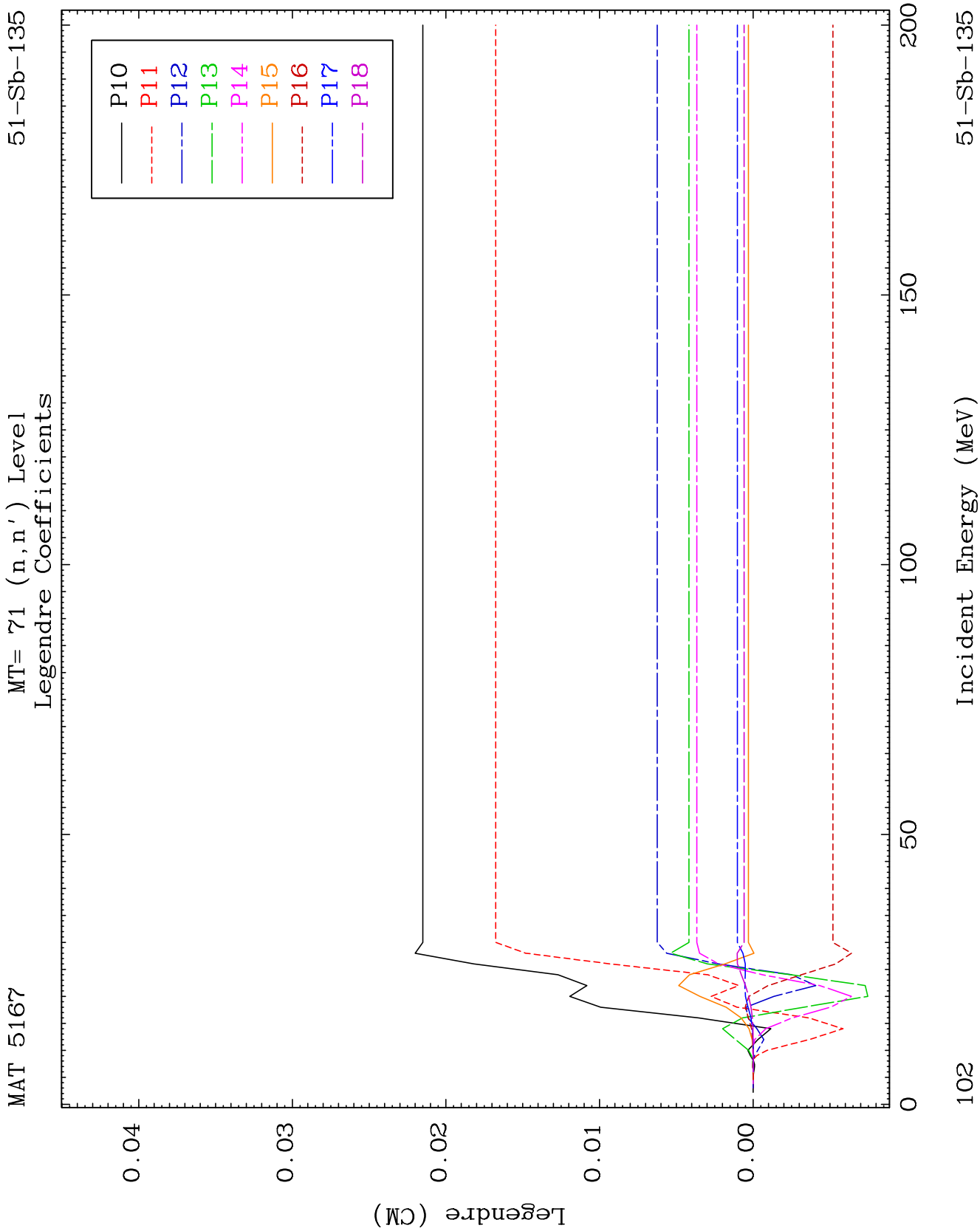
MAT 5167

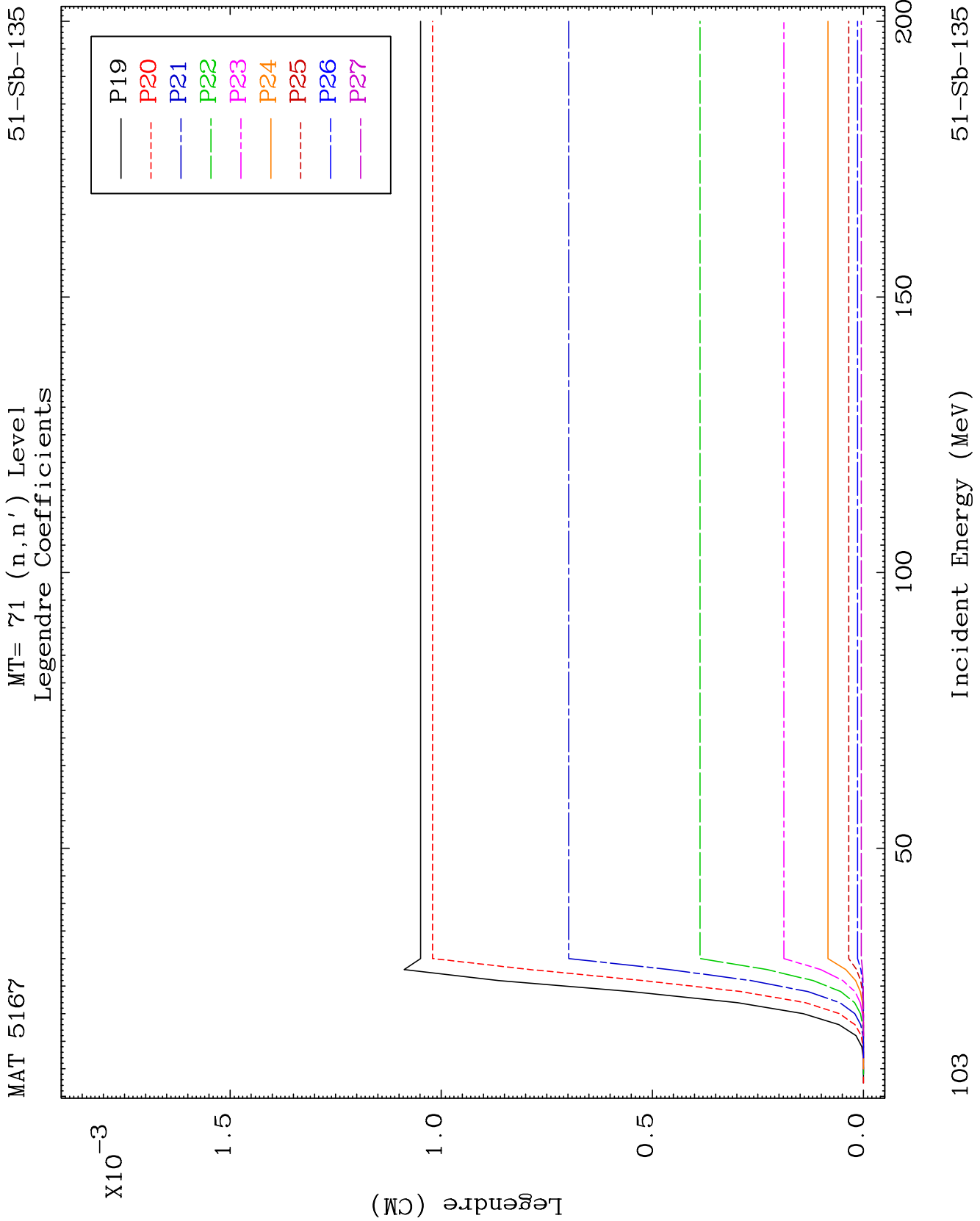
MT= 70 (n, n') Level
Legendre Coefficients

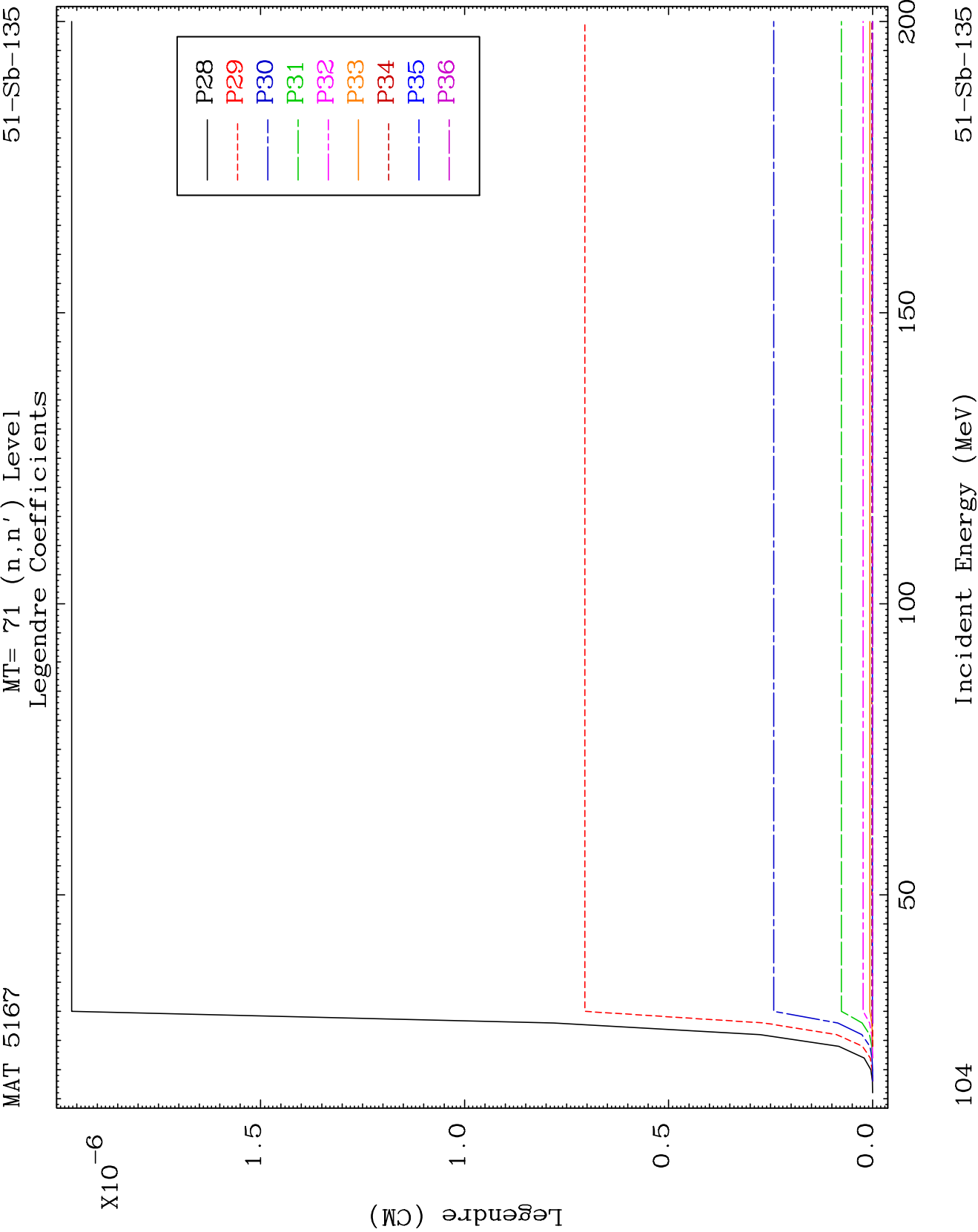
51-Sb-135







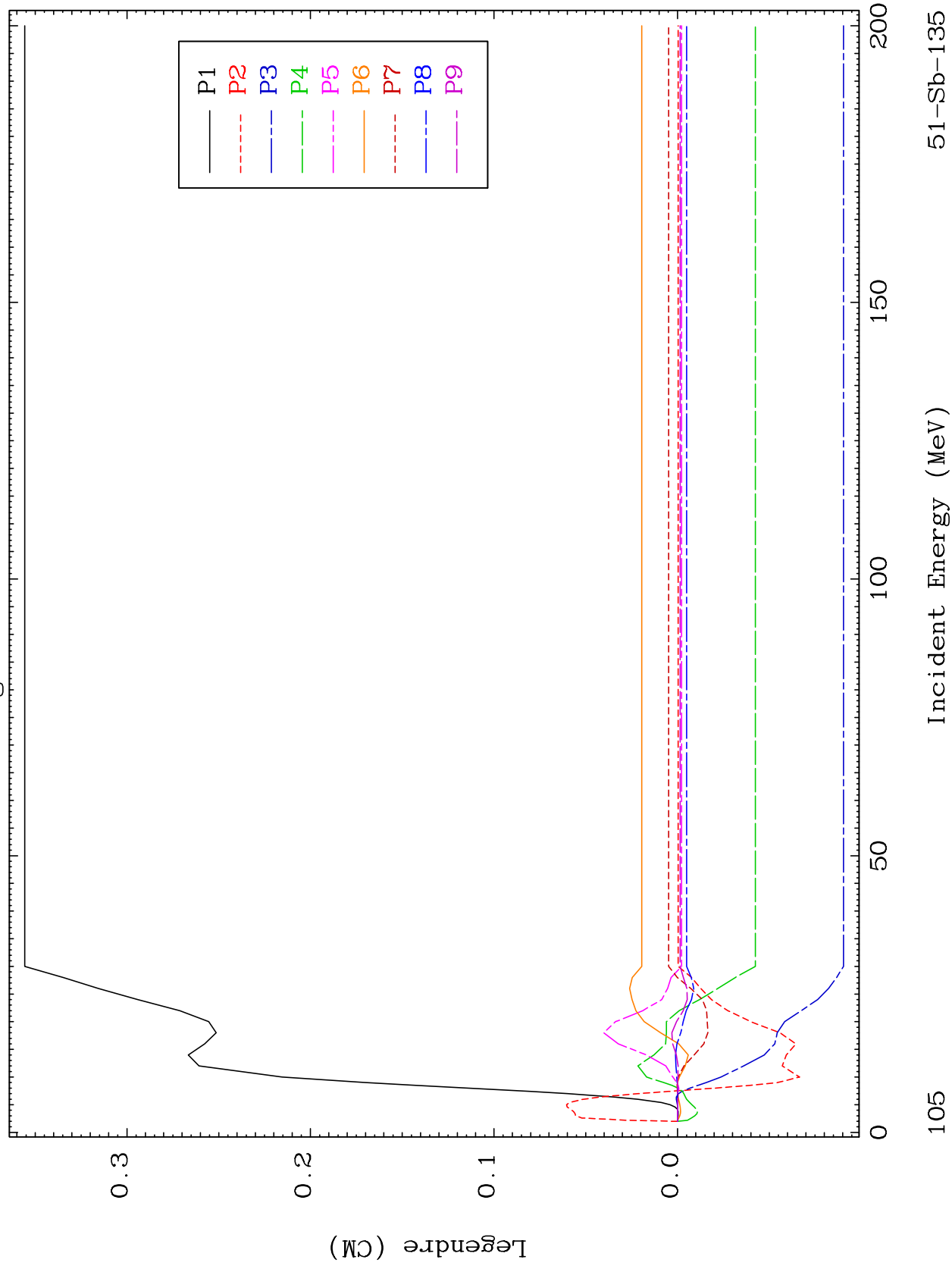




MAT 5167

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

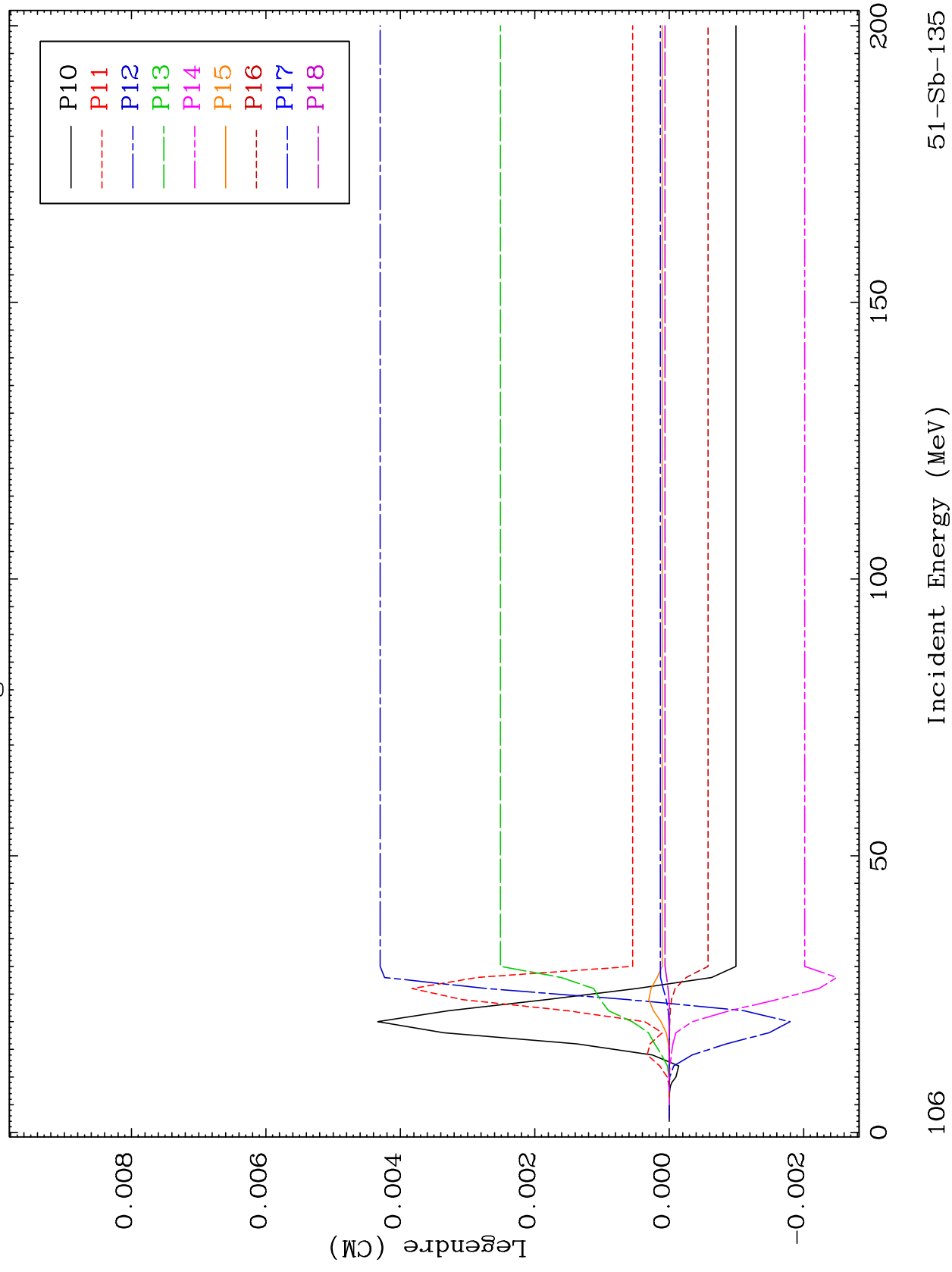
51-Sb-135

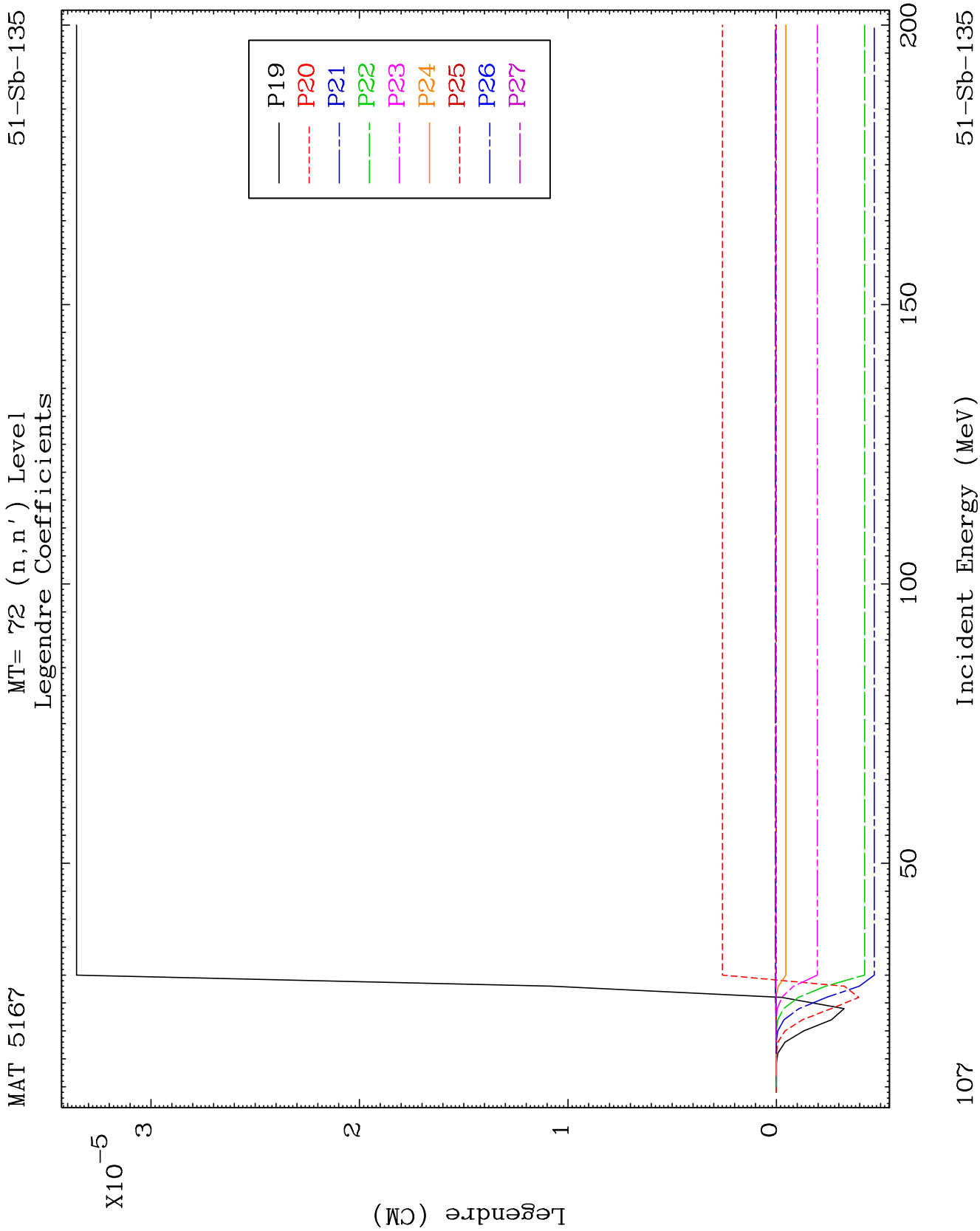


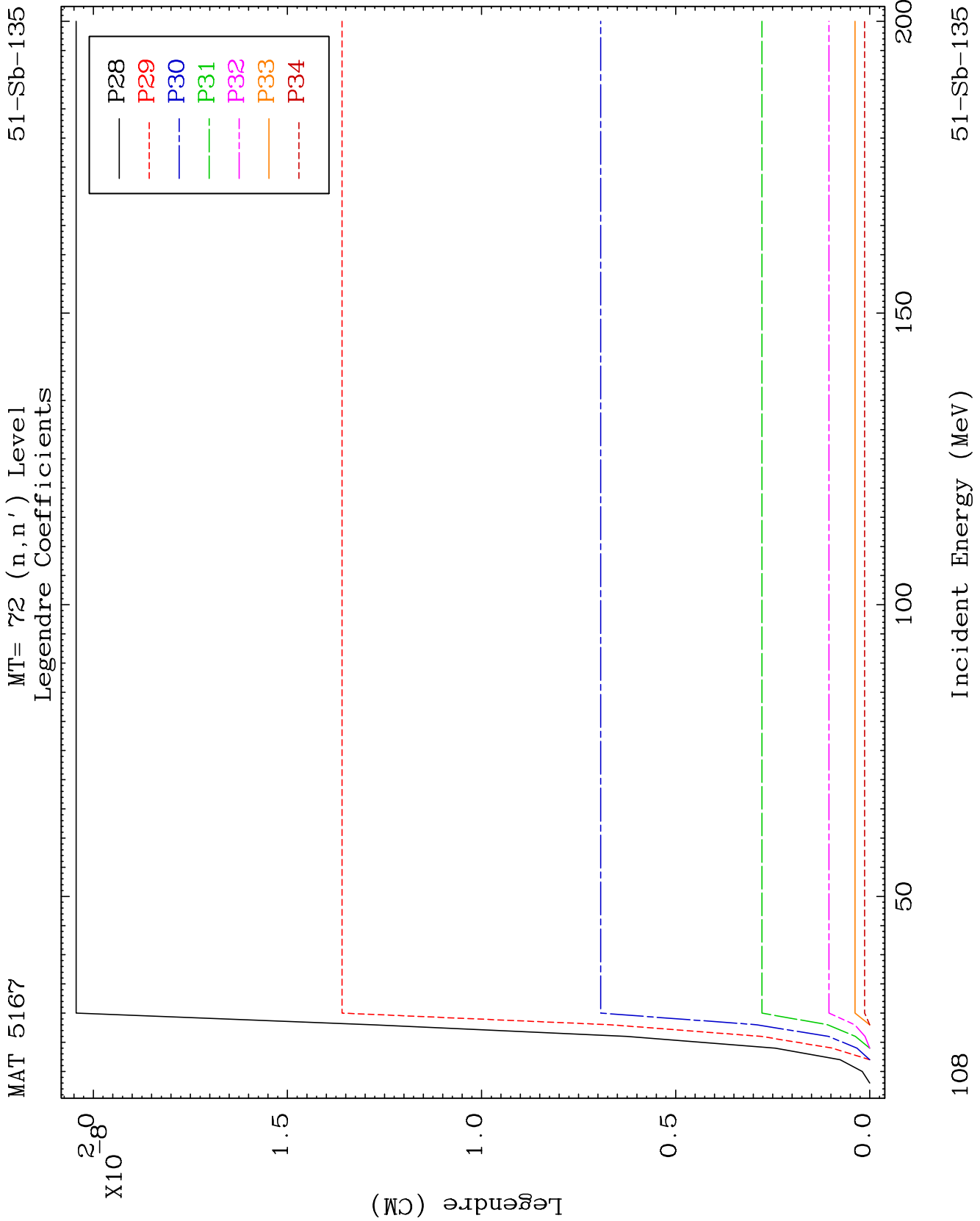
MAT 5167

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

51-Sb-135



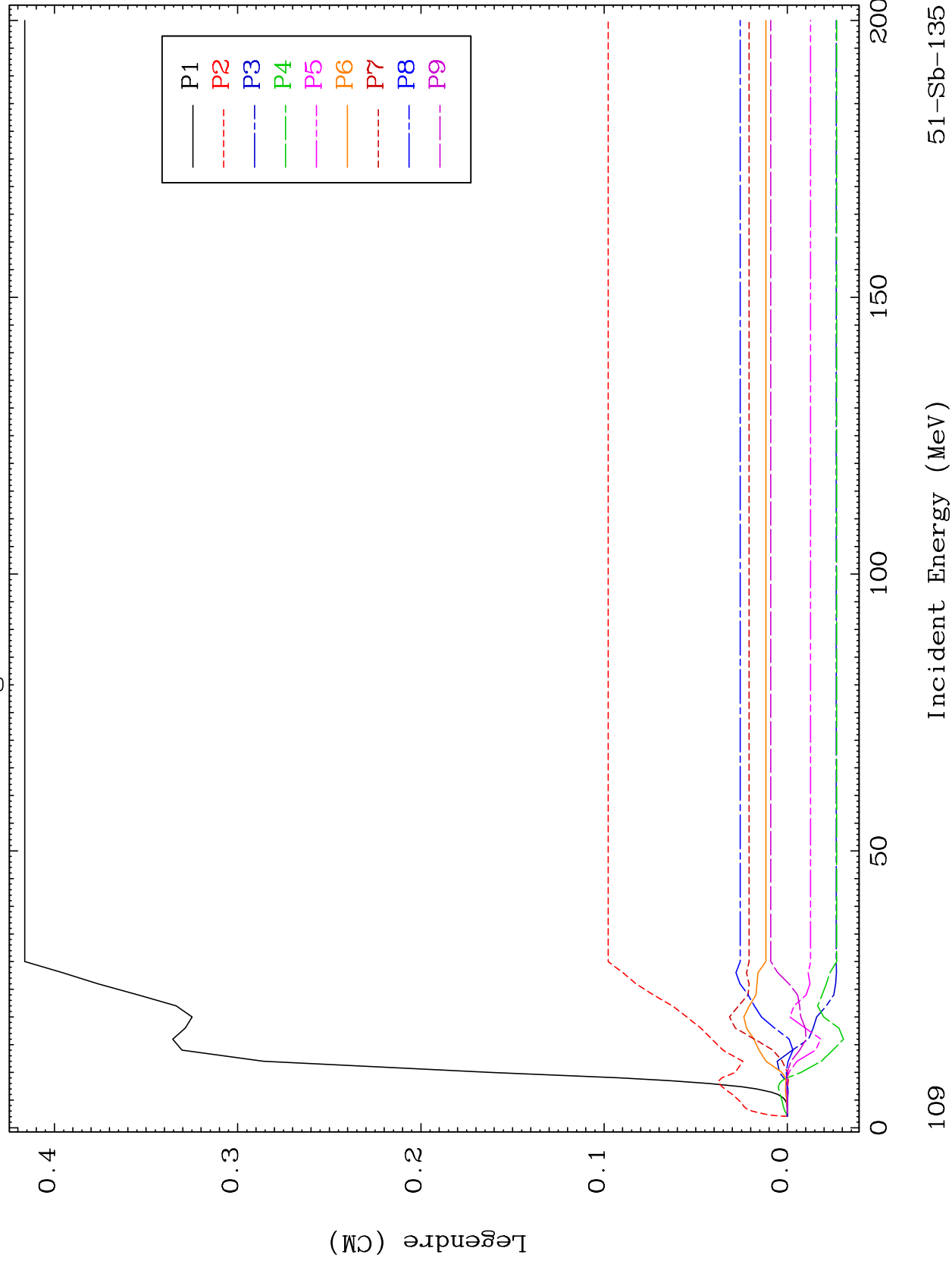


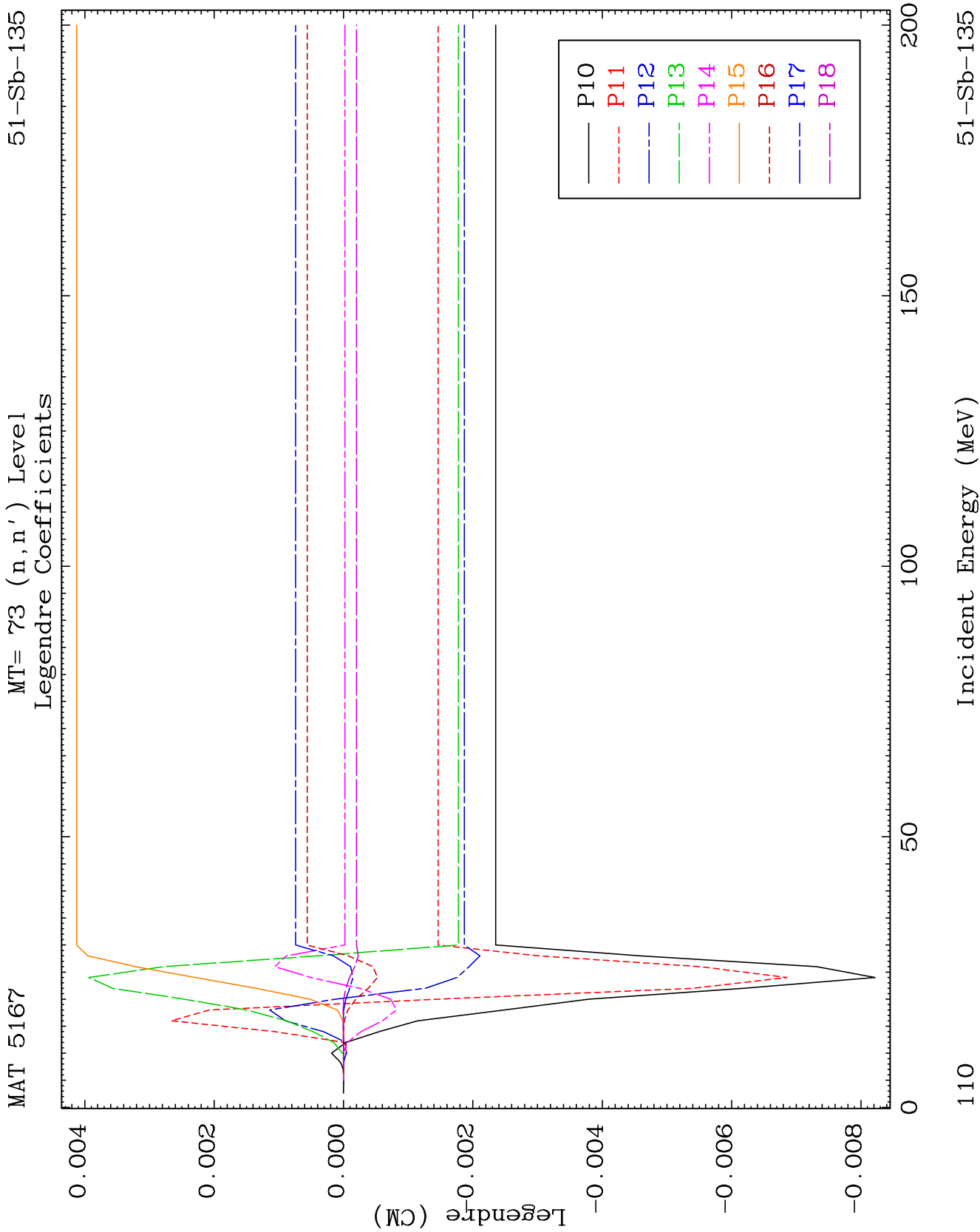


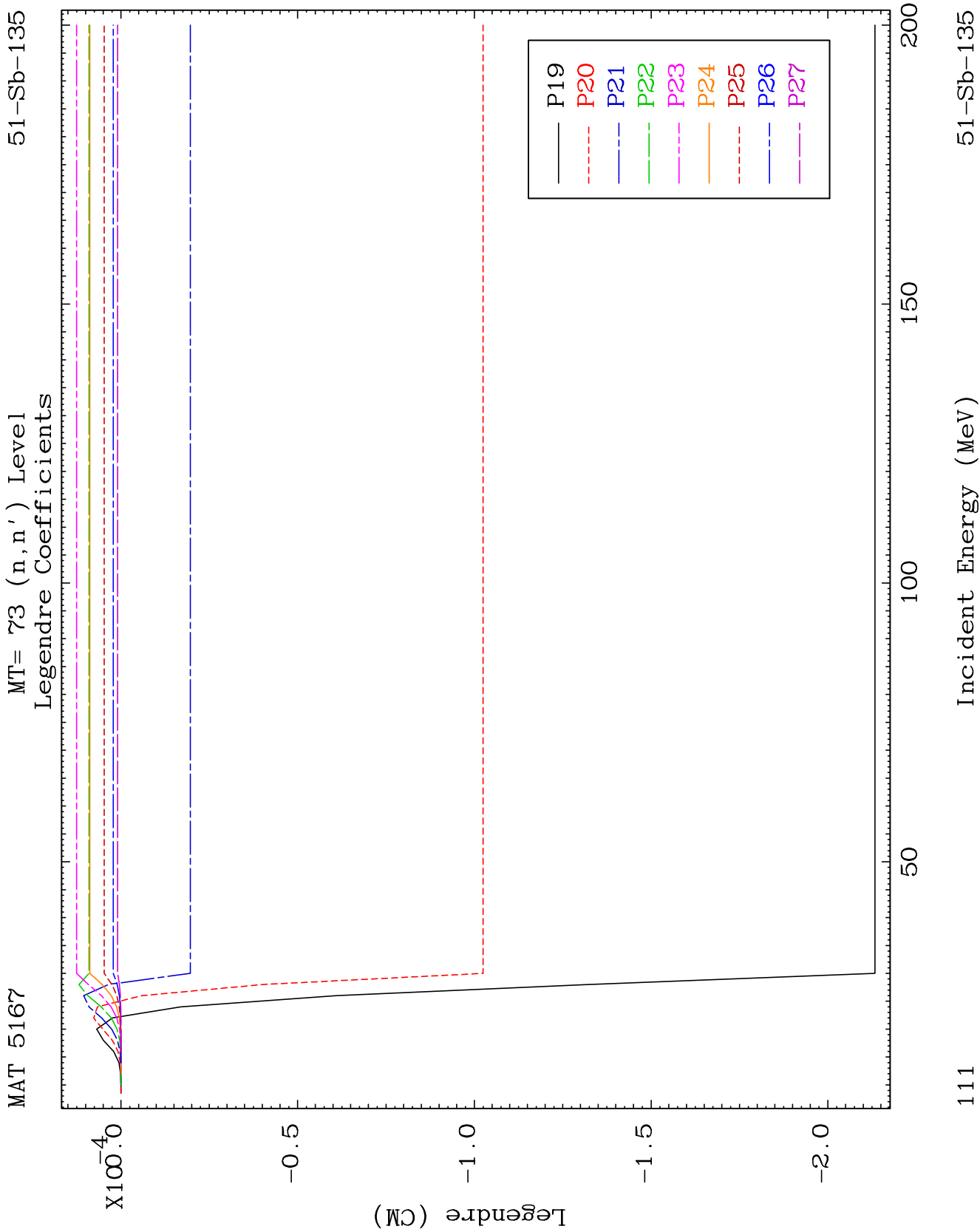
MAT 5167

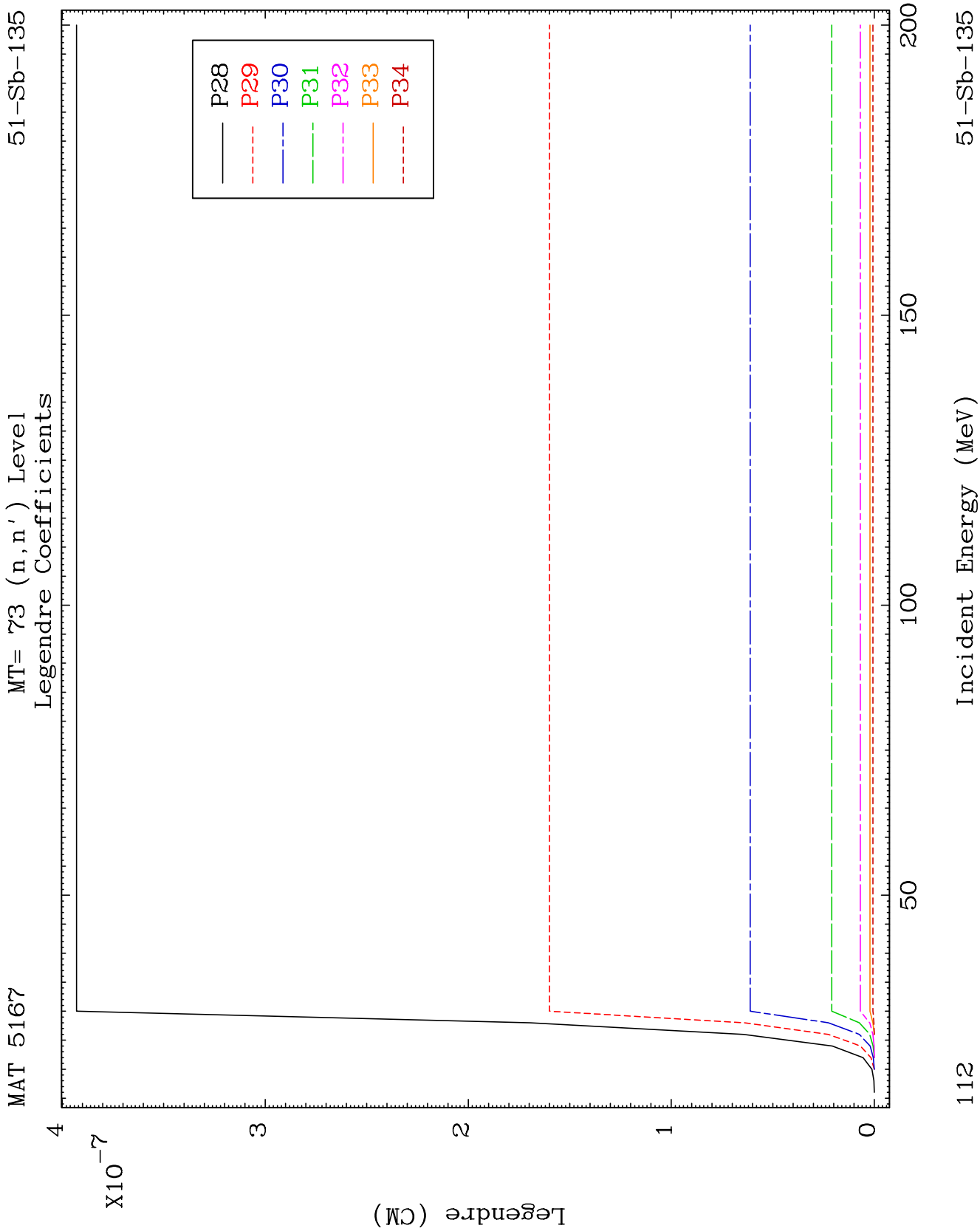
MT= 73 (n, n') Level
Legendre Coefficients

51-Sb-135





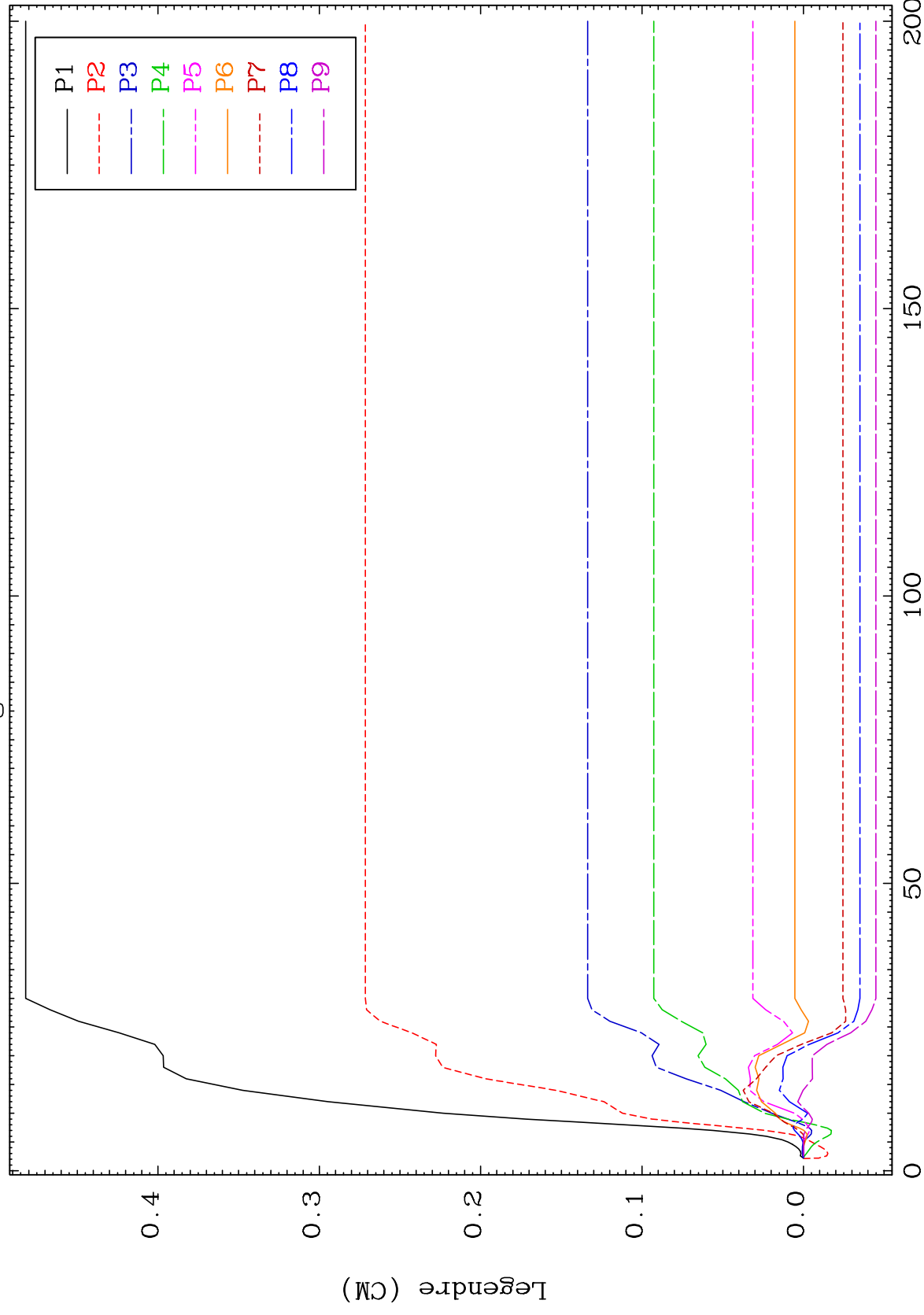




MAT 5167

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

51-Sb-135



113

Incident Energy (MeV)

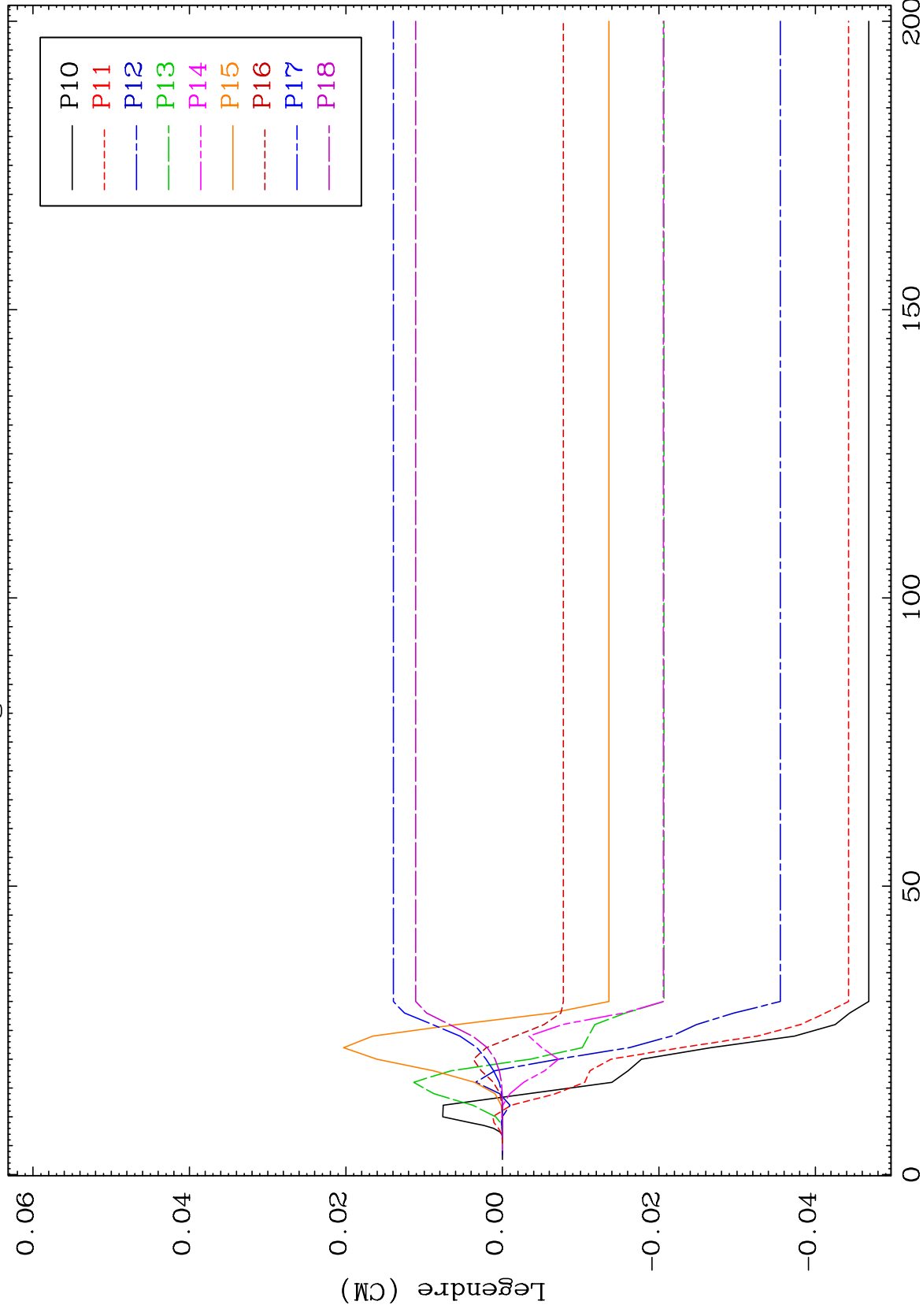
51-Sb-135

MAT 5167

MT=74 (n, n') Level

51-Sb-135

Legendre Coefficients



114

Incident Energy (MeV)

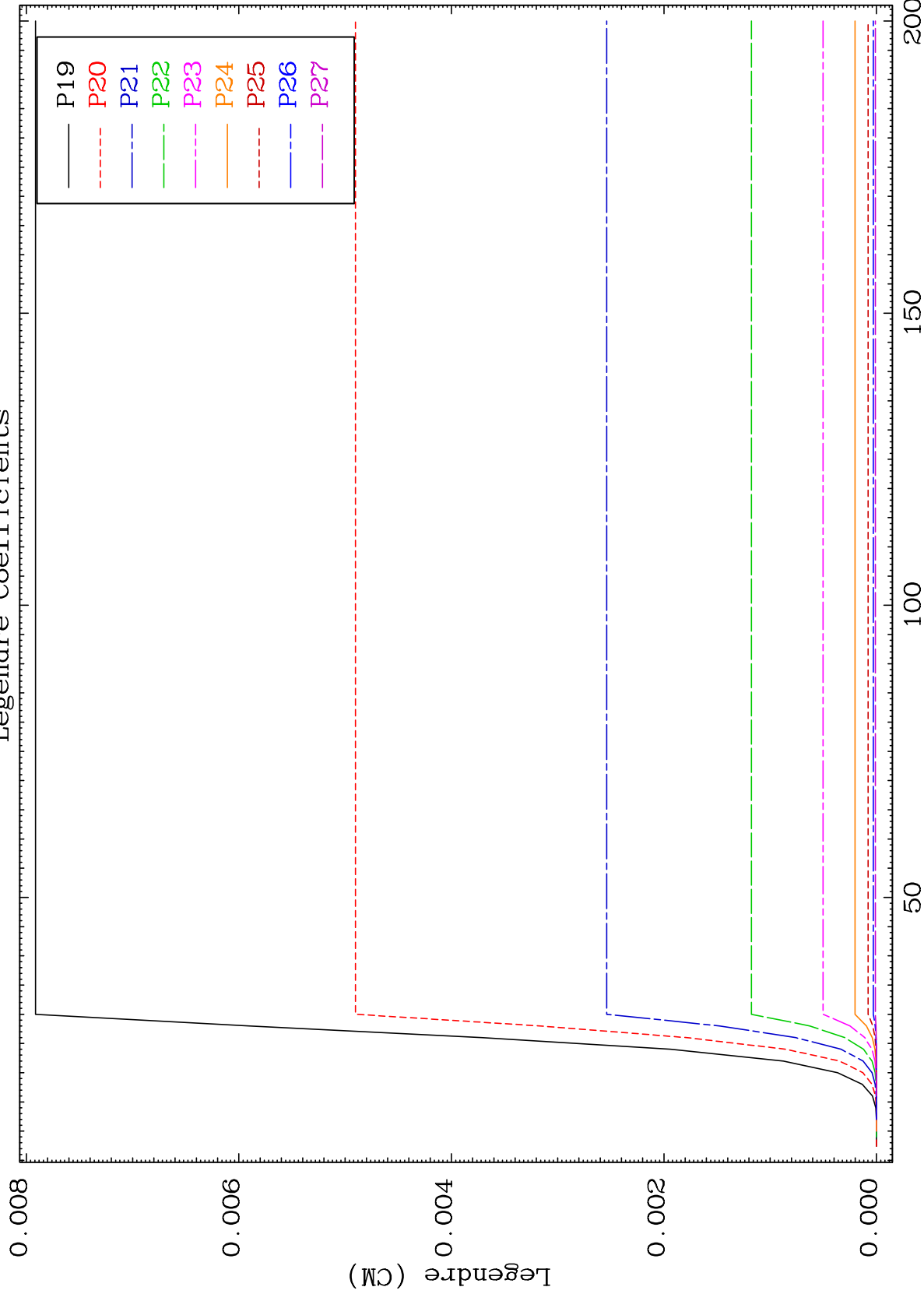
51-Sb-135

MAT 5167

MT=74 (n,n') Level

51-Sb-135

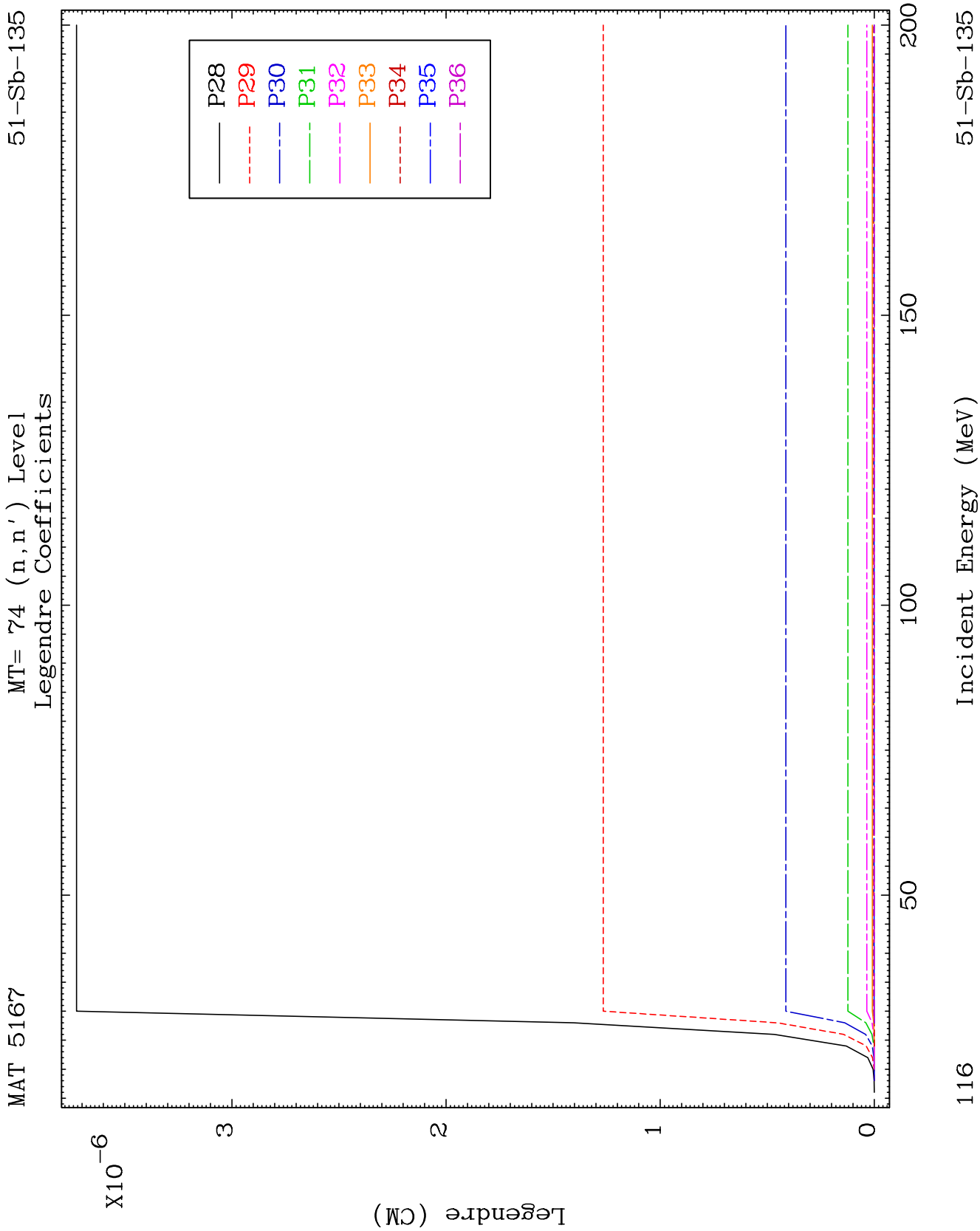
Legendre Coefficients



115

Incident Energy (MeV)

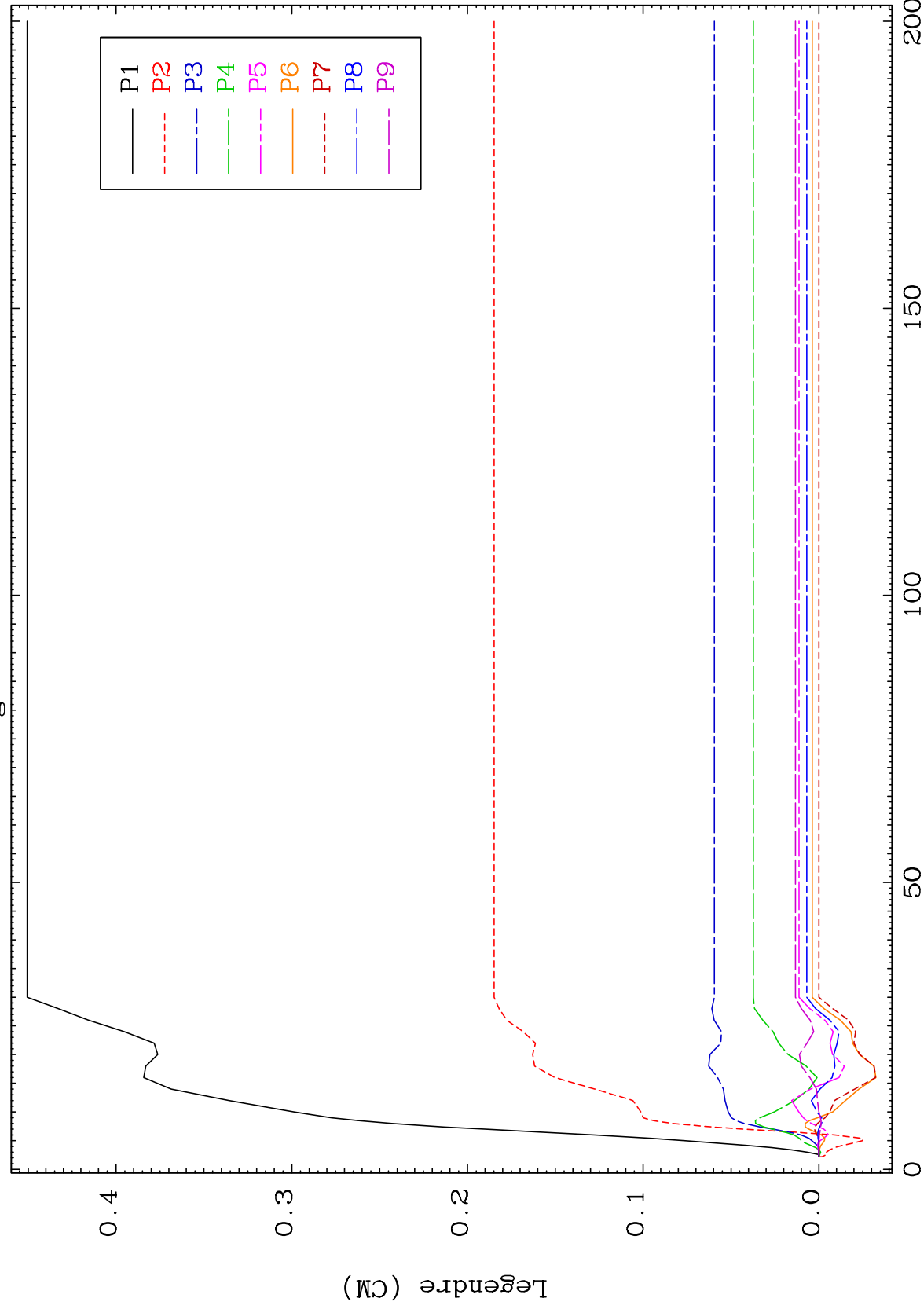
51-Sb-135



MAT 5167

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

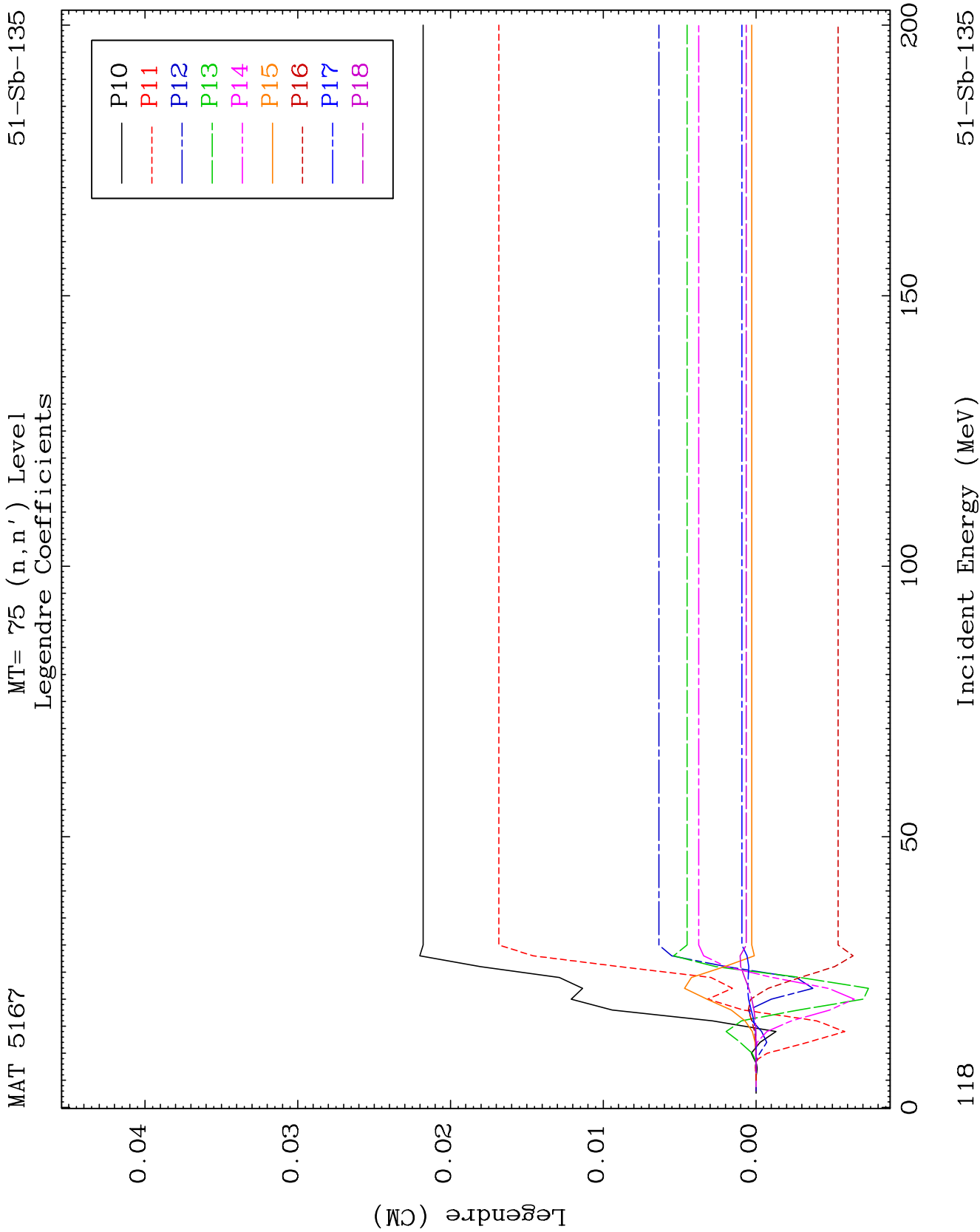
51-Sb-135

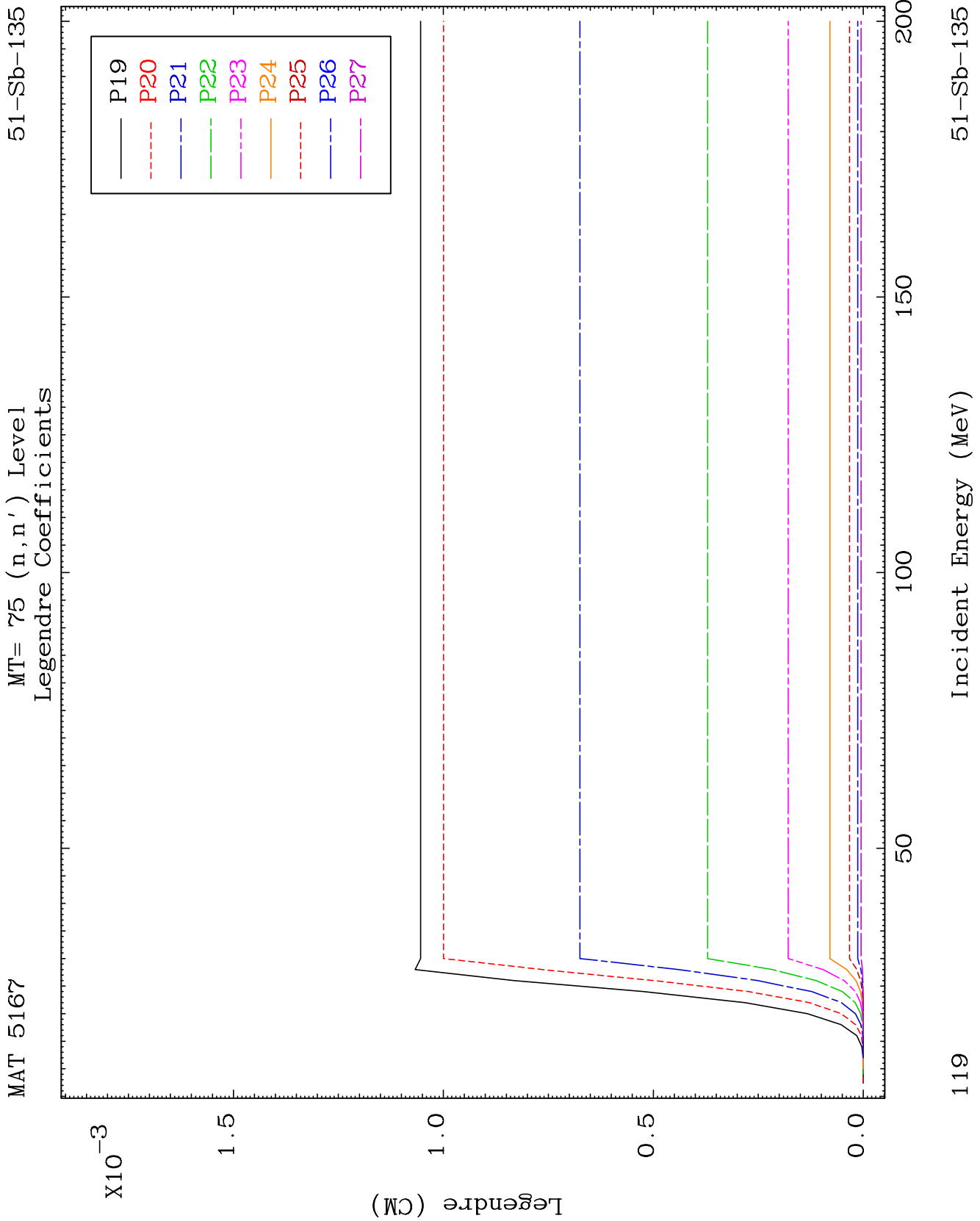


117

Incident Energy (MeV)

51-Sb-135

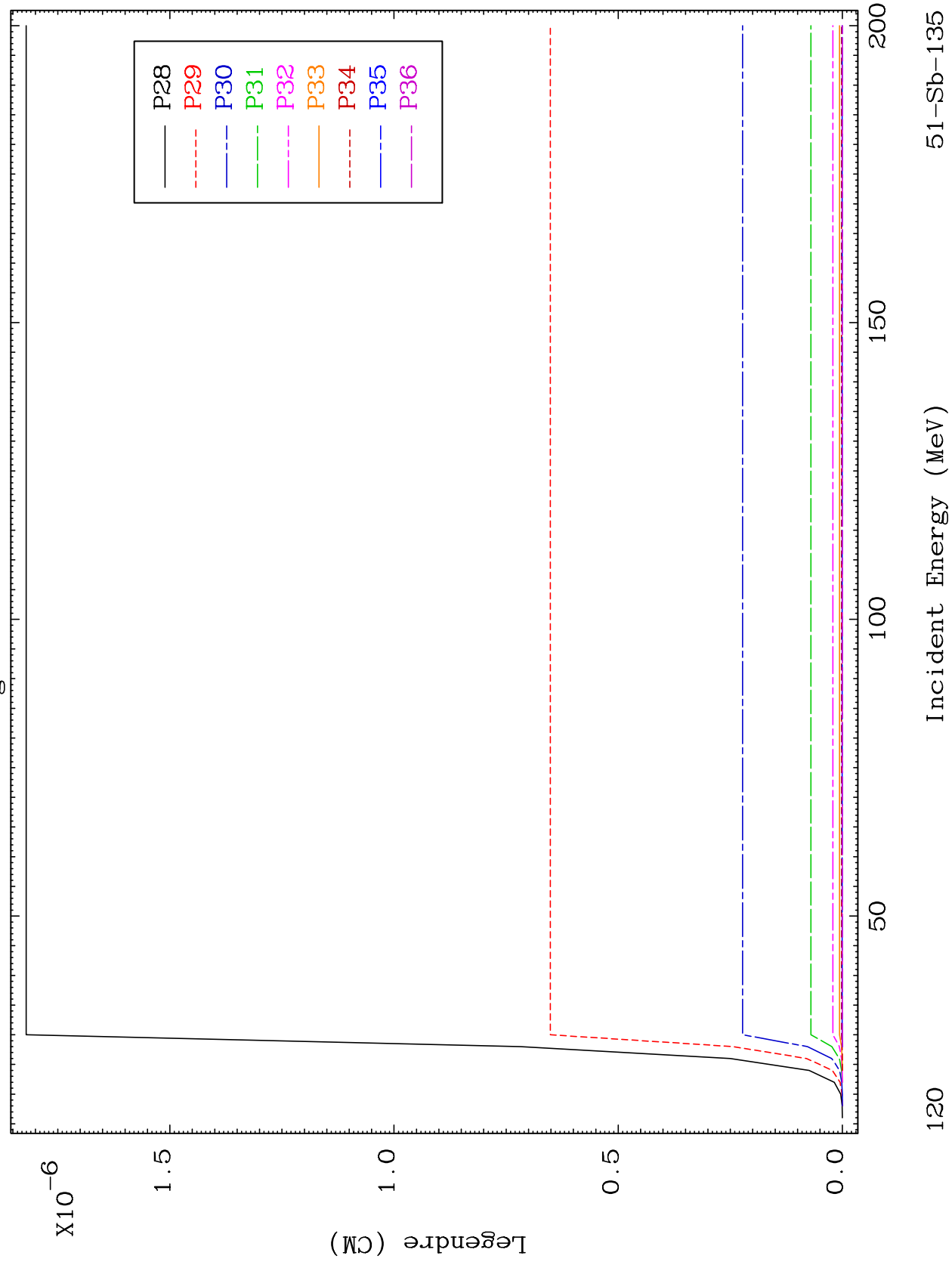


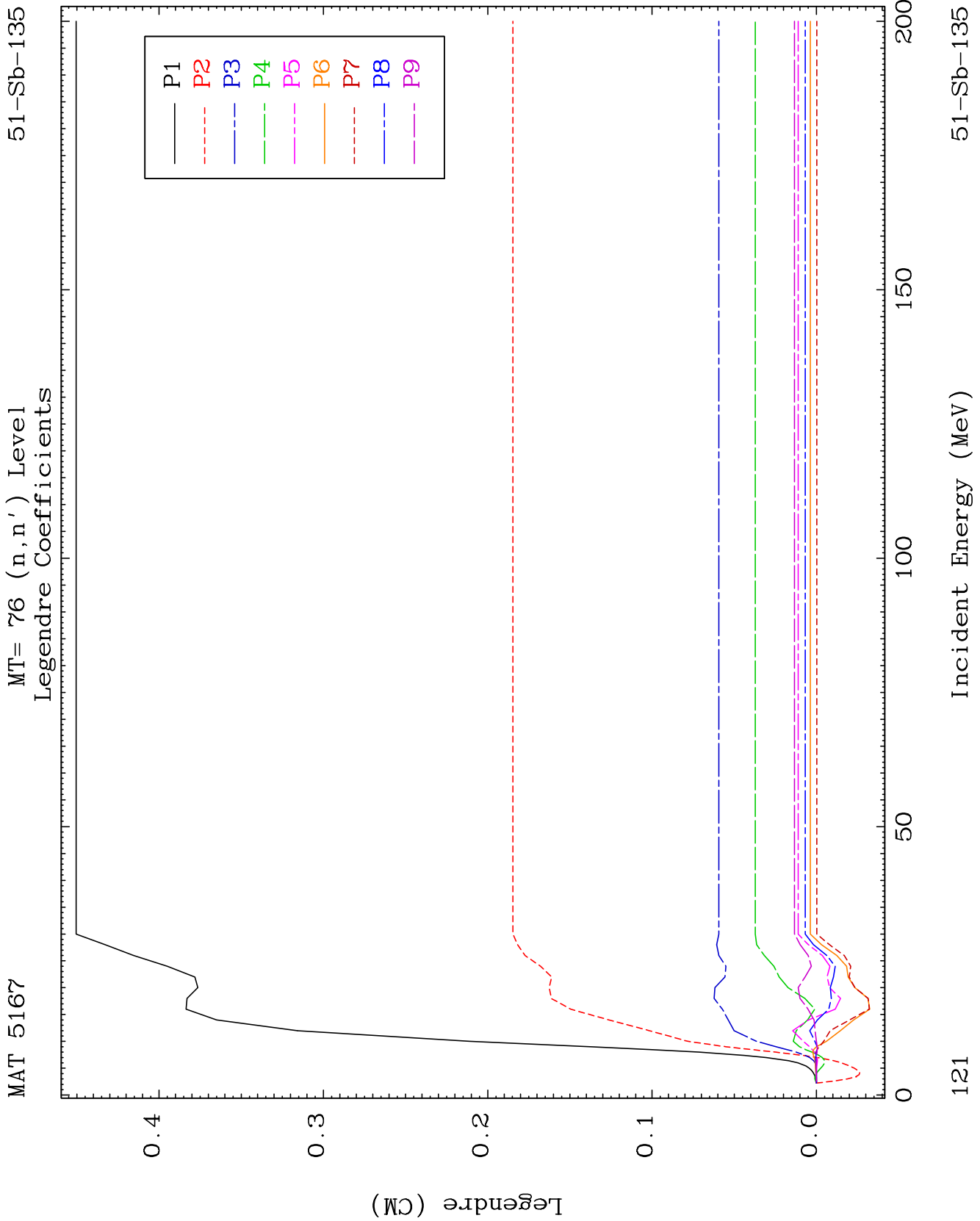


MAT 5167

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

51-Sb-135

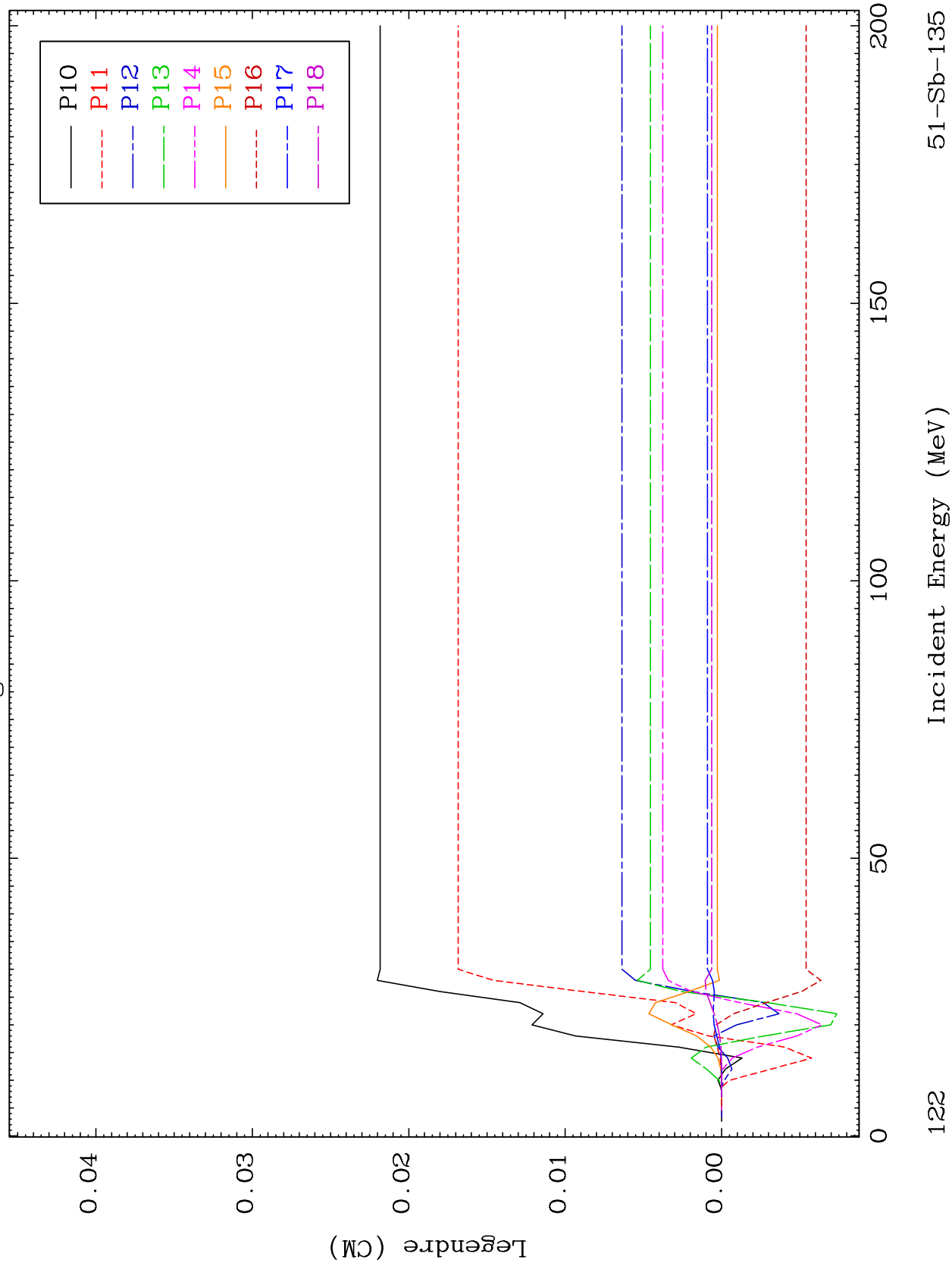




MAT 5167

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

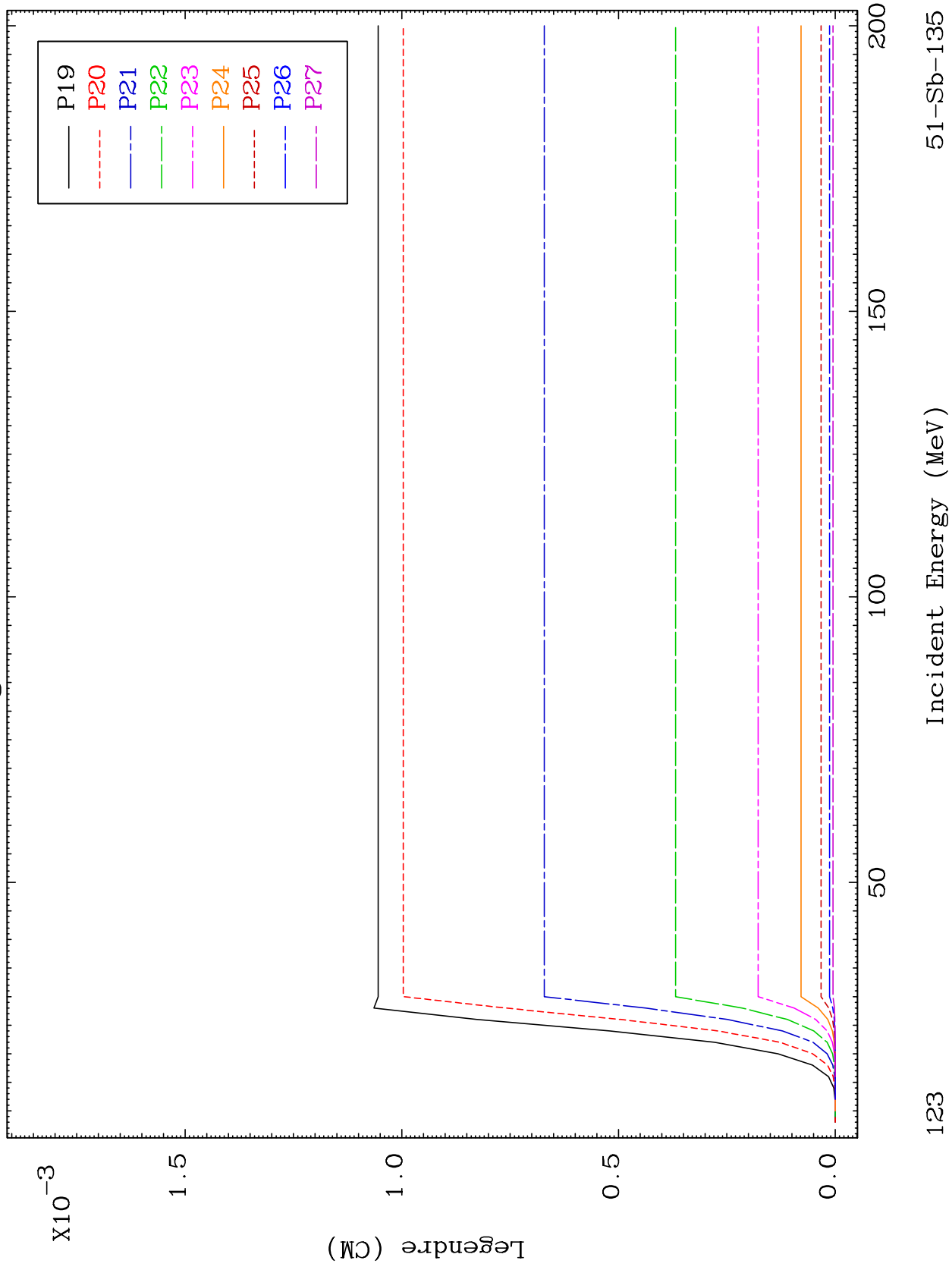
51-Sb-135

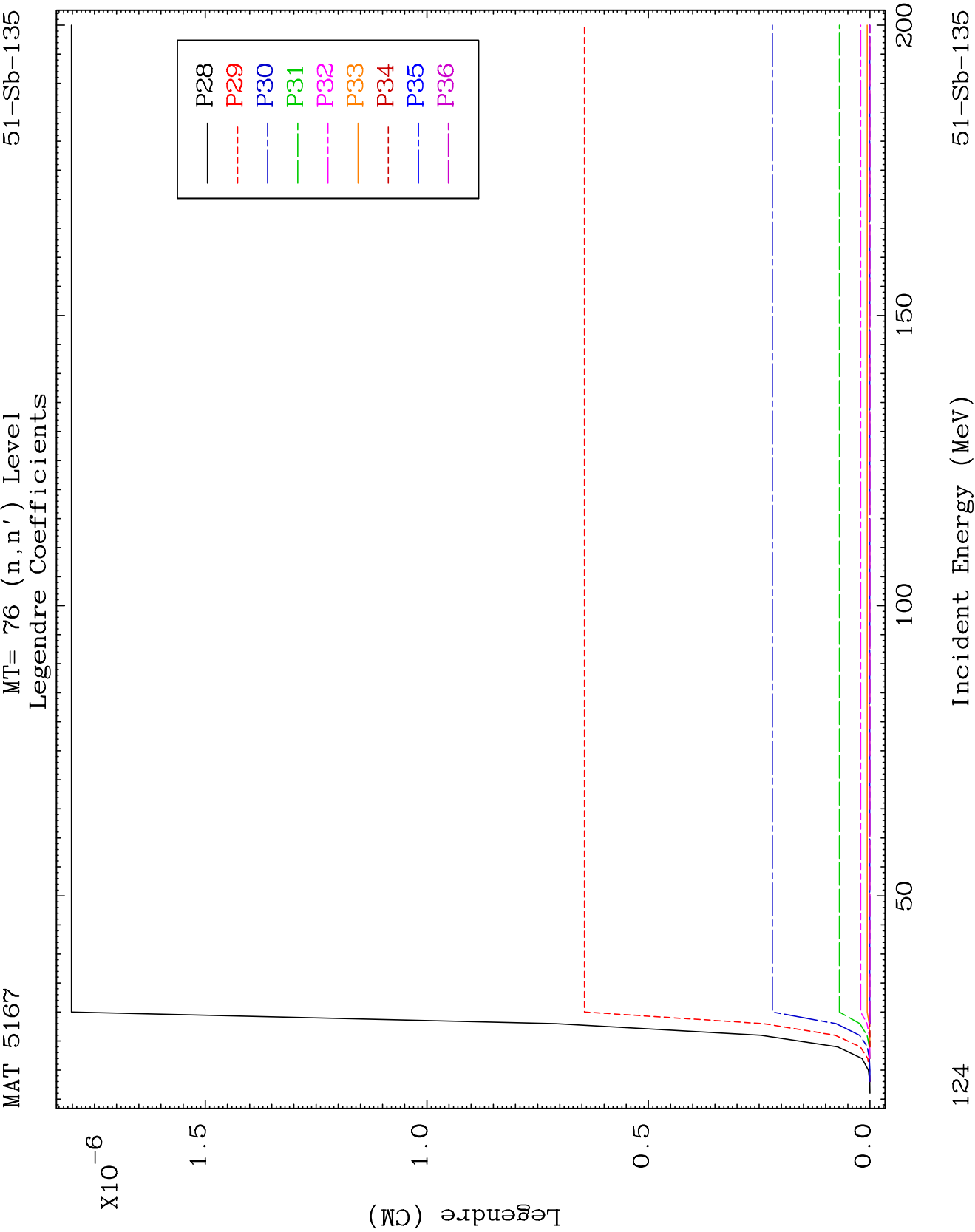


MAT 5167

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

51-Sb-135

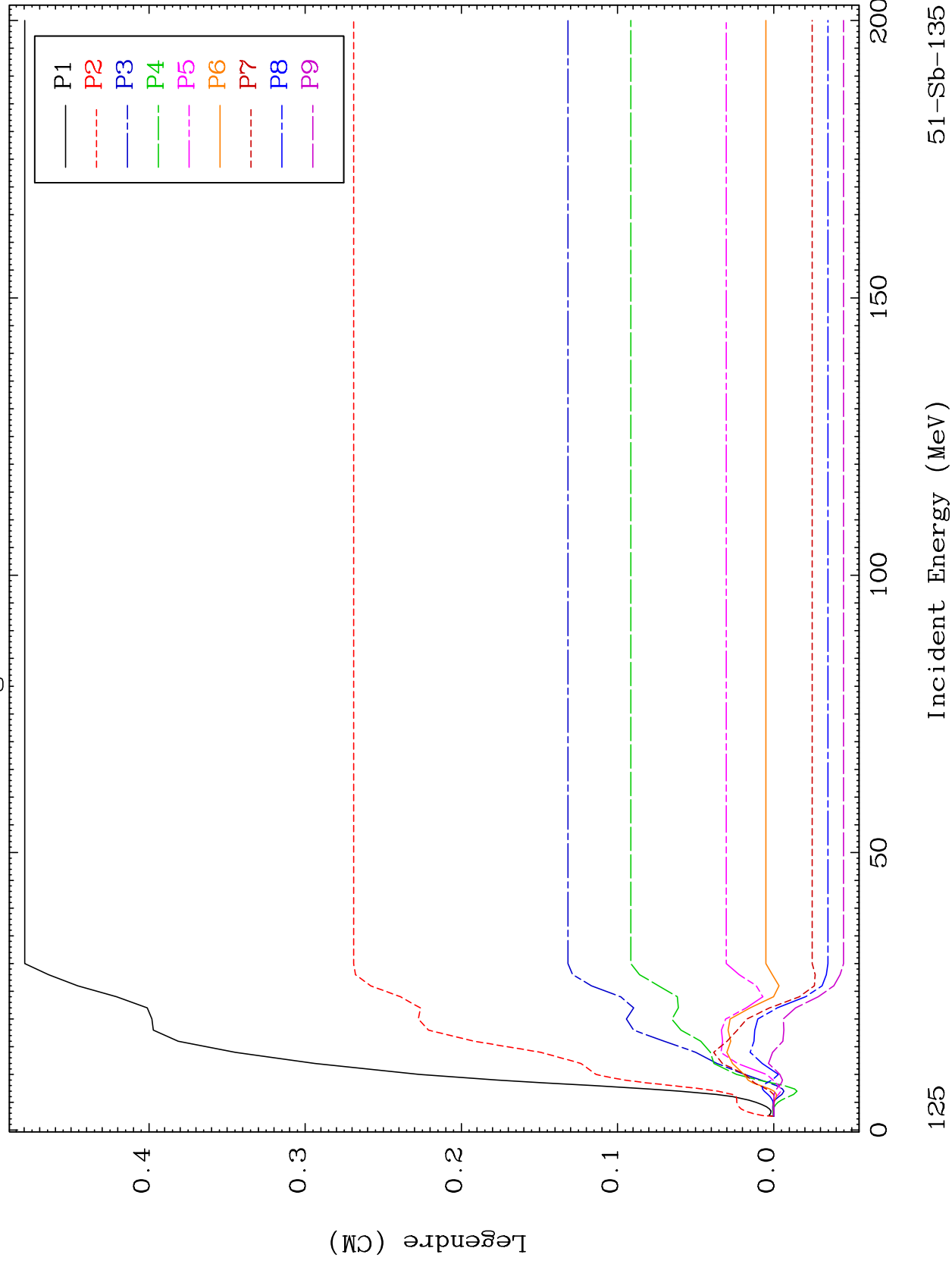




MAT 5167

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

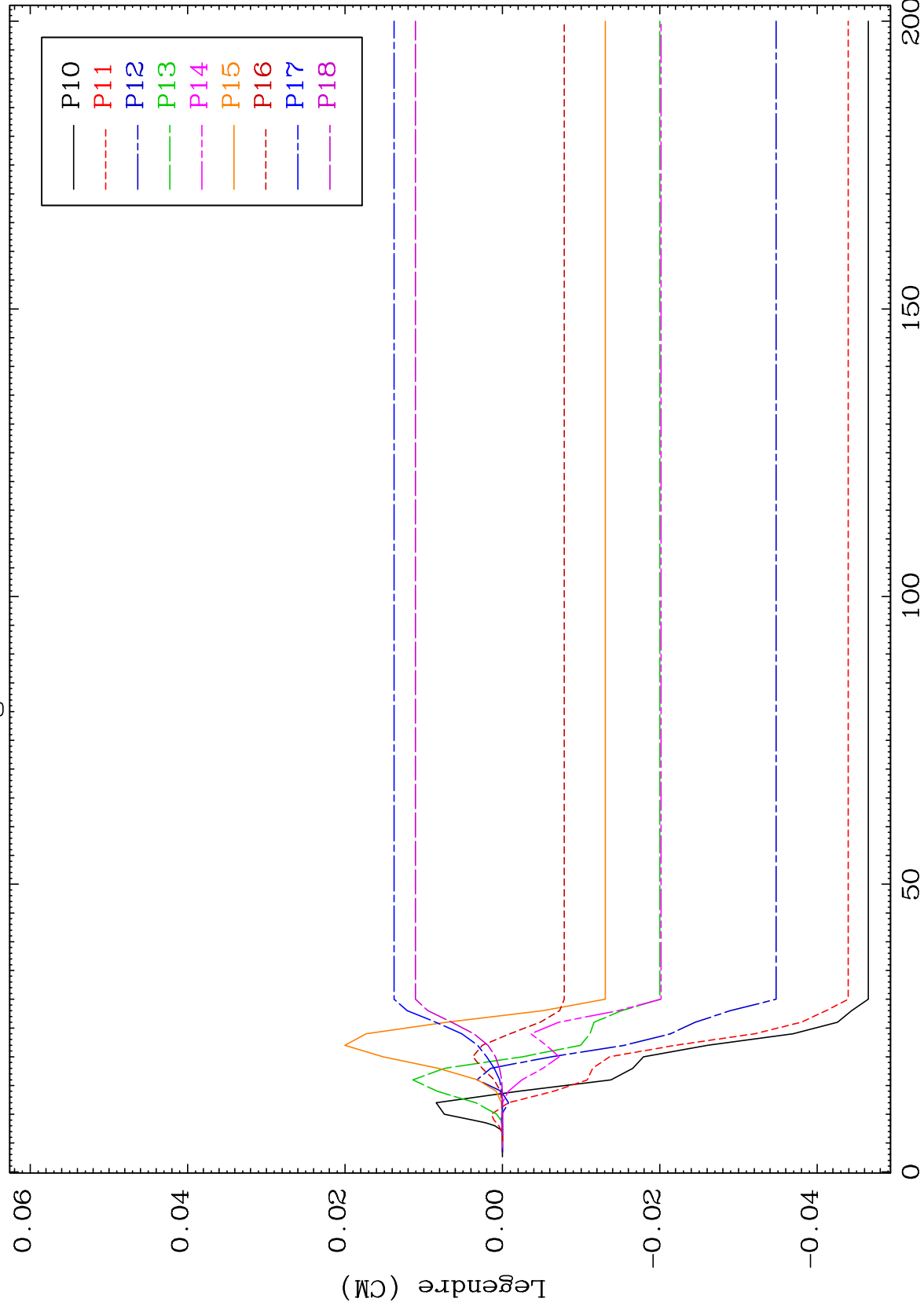
51-Sb-135



MAT 5167

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

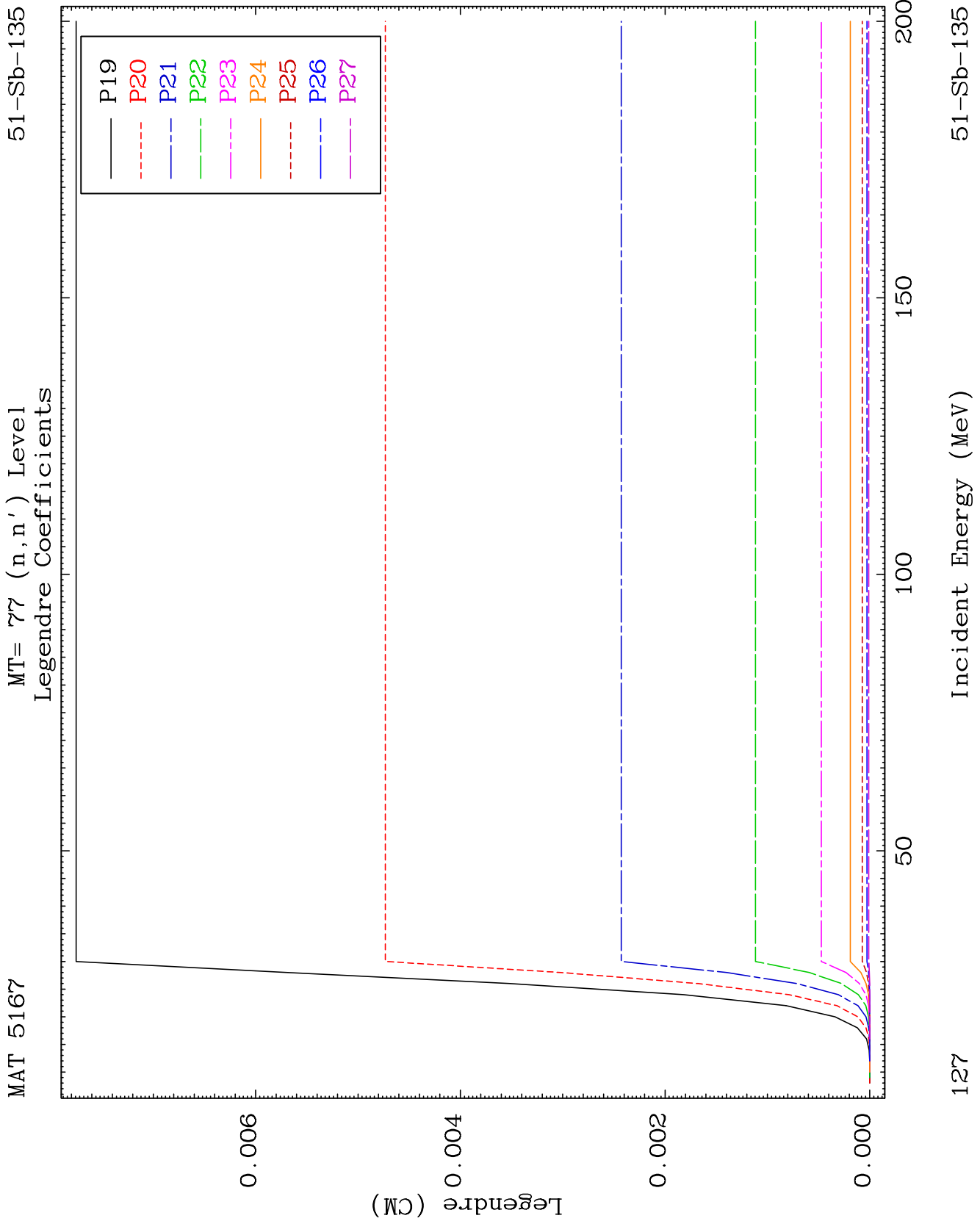
51-Sb-135

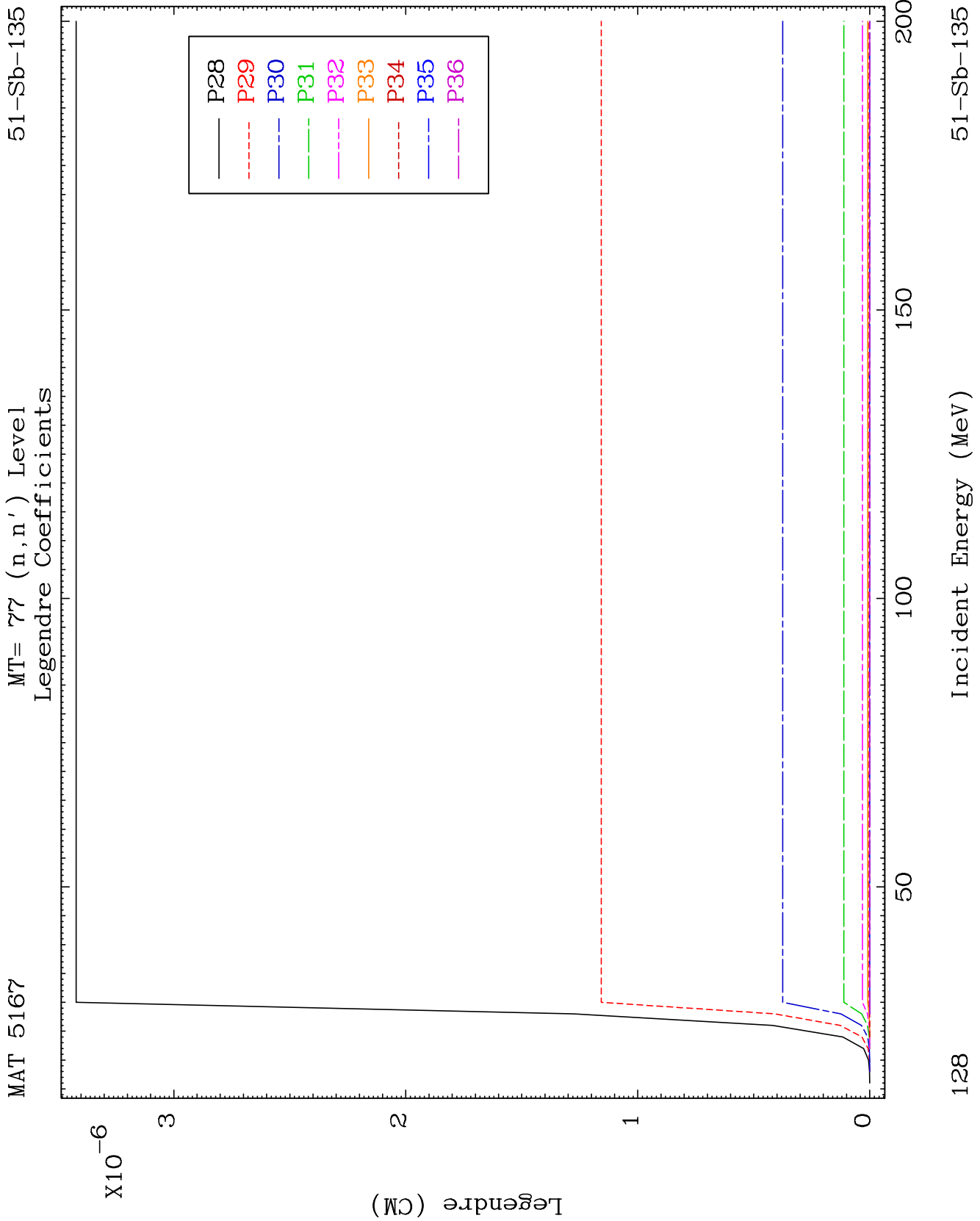


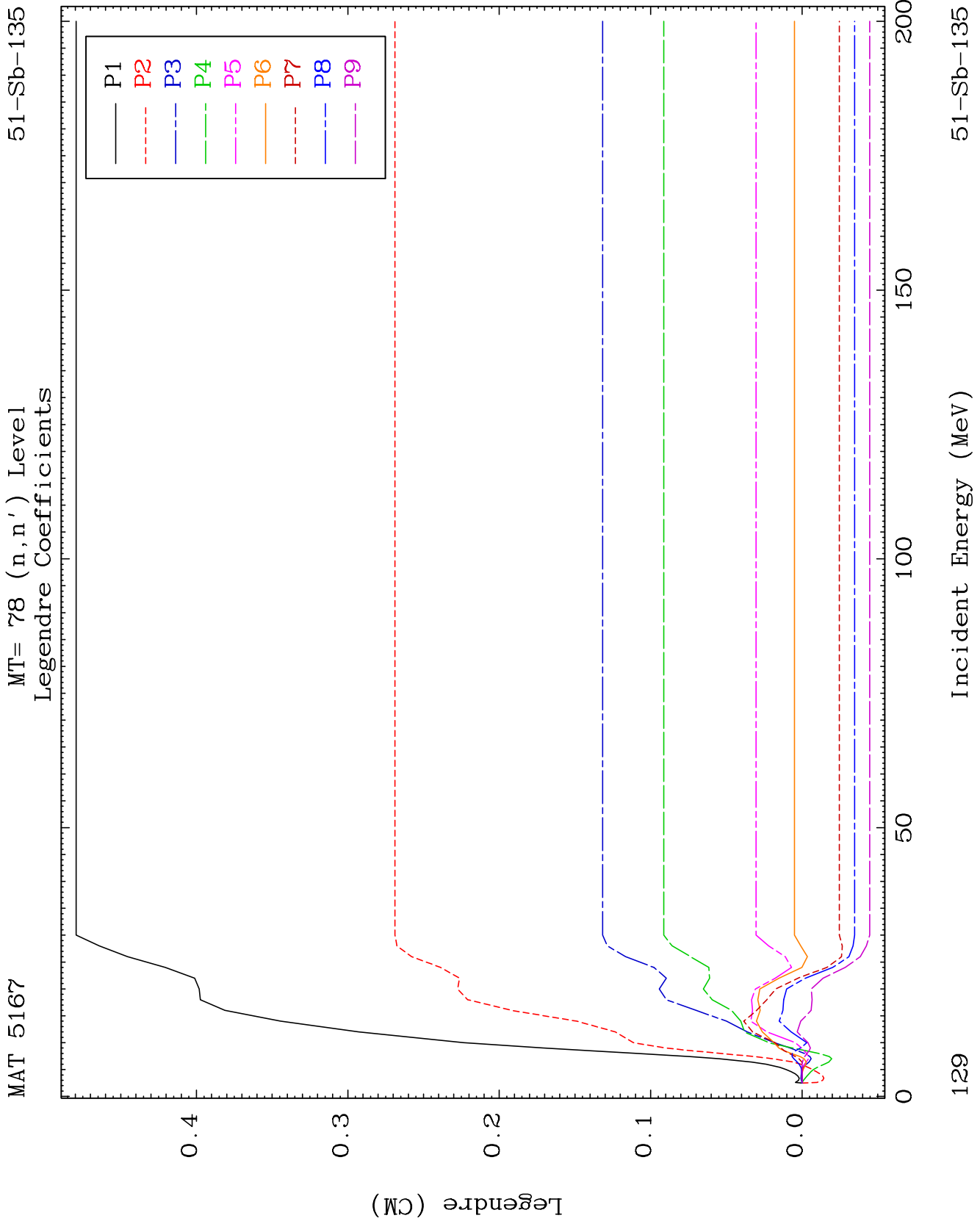
126

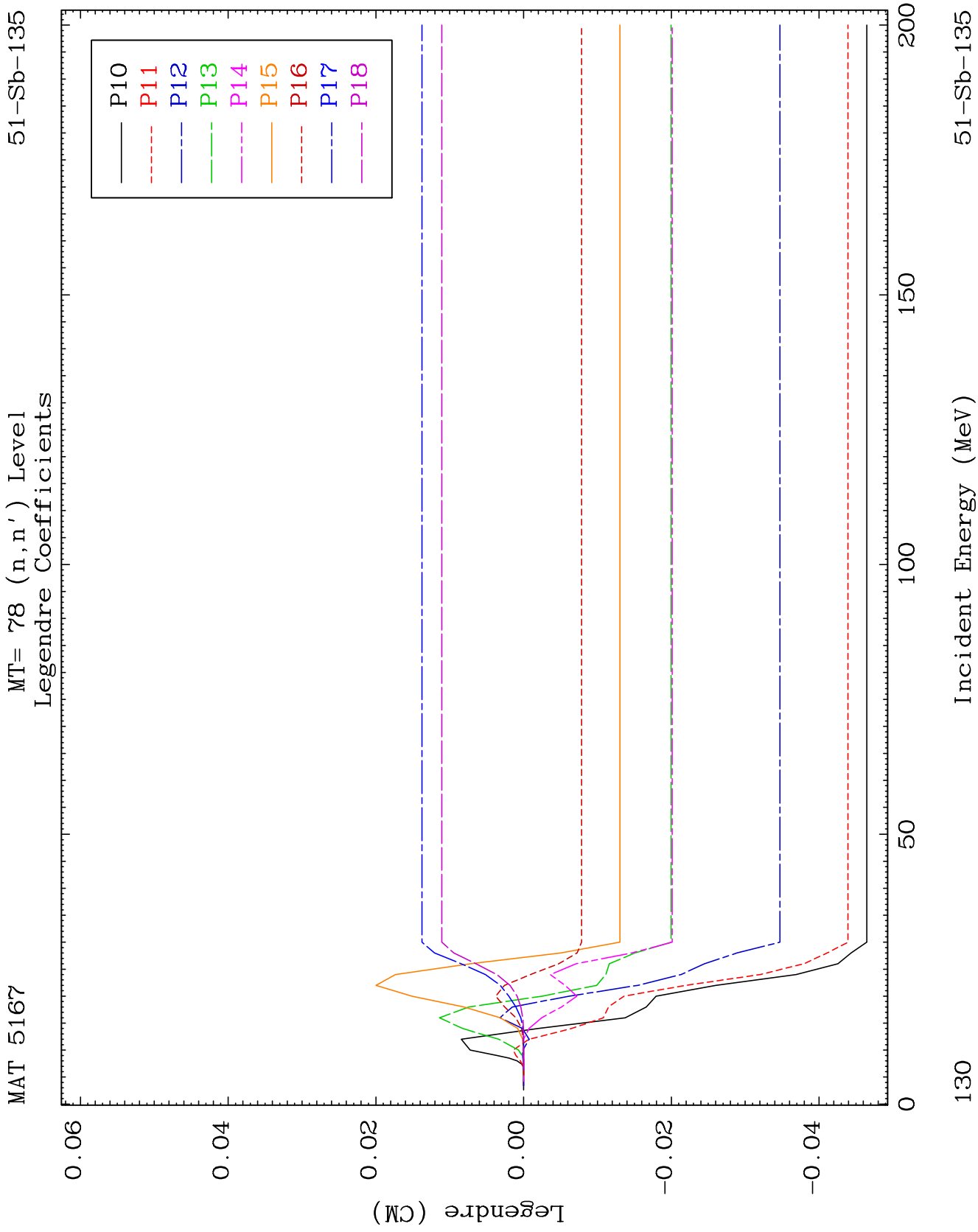
Incident Energy (MeV)

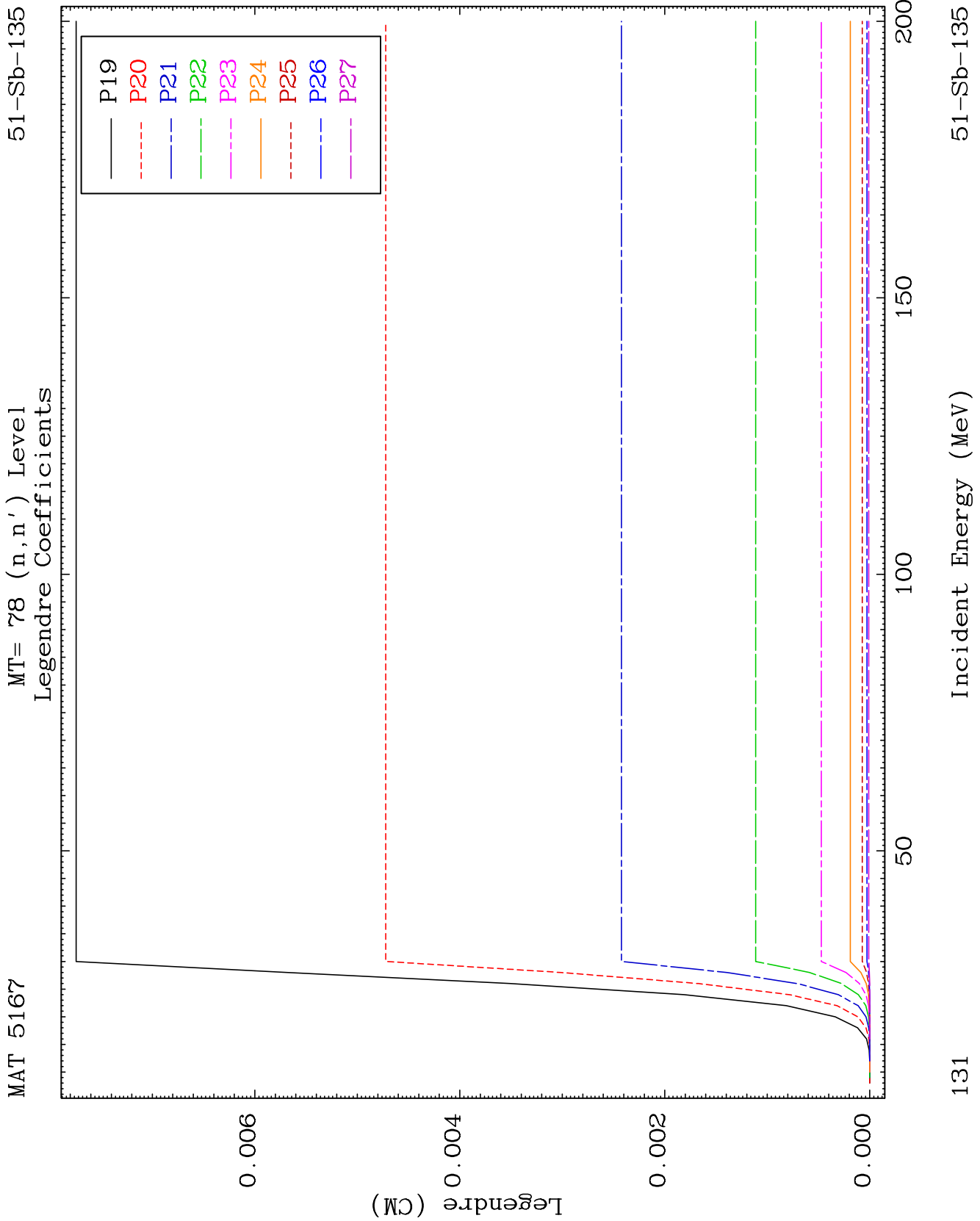
51-Sb-135

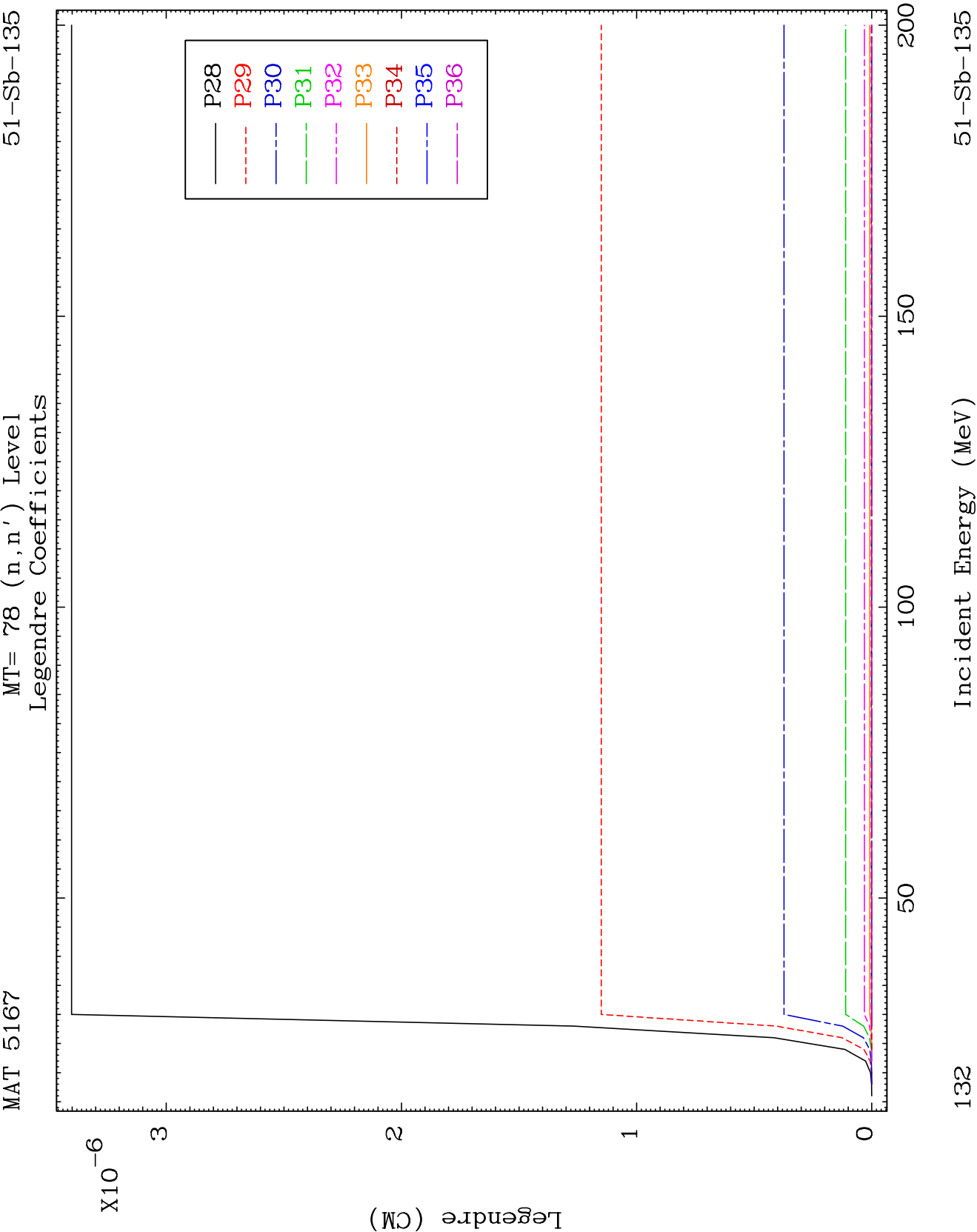


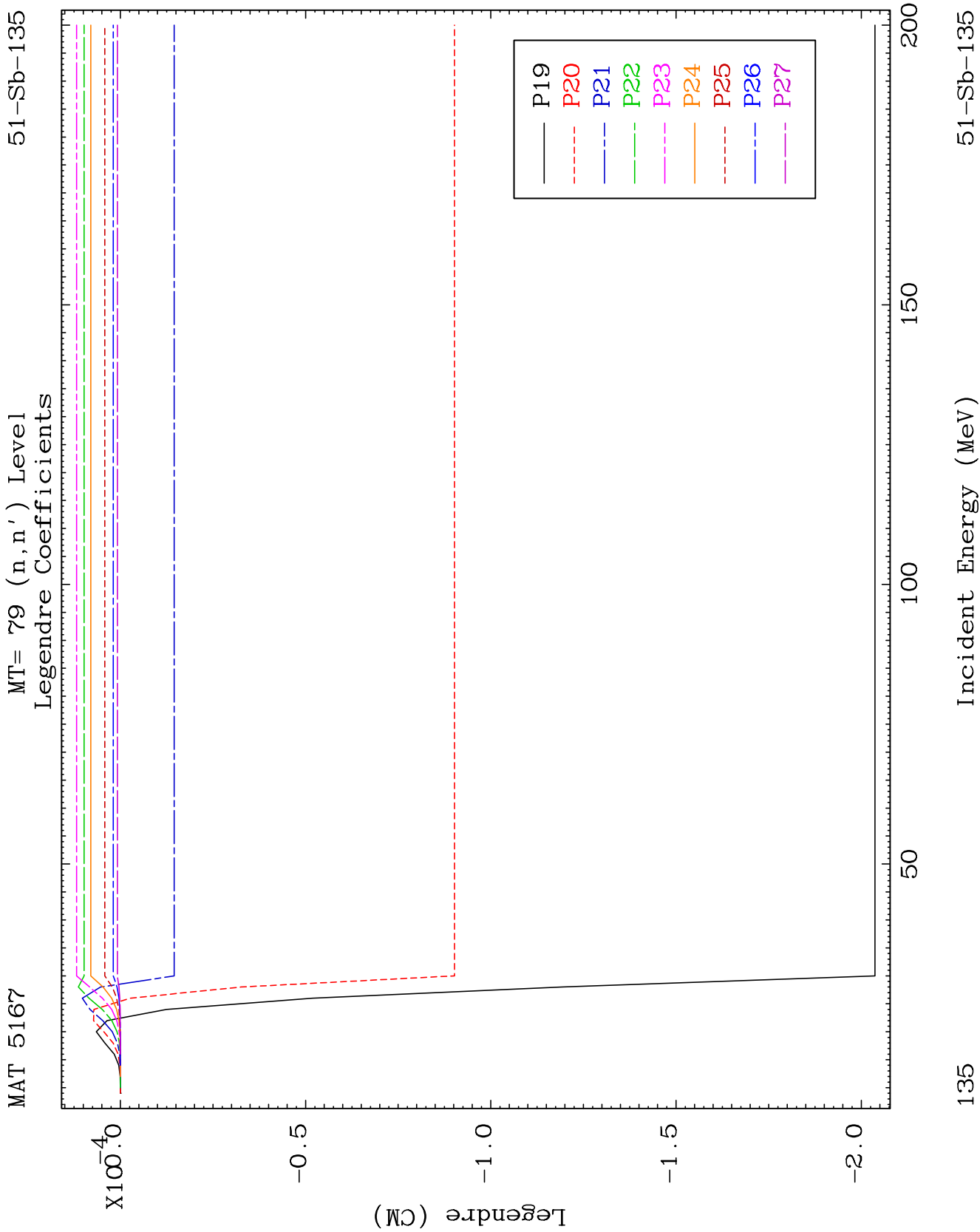


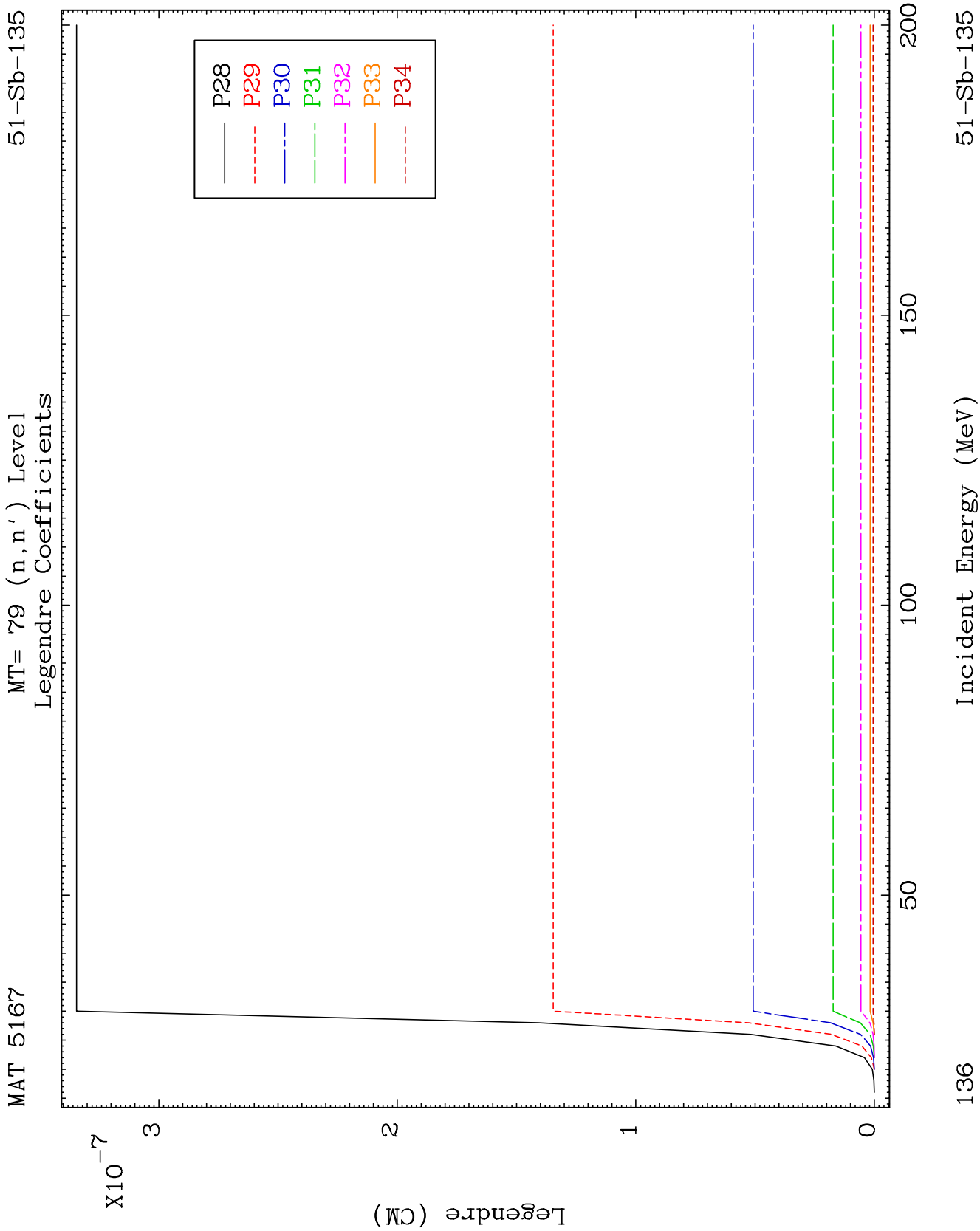


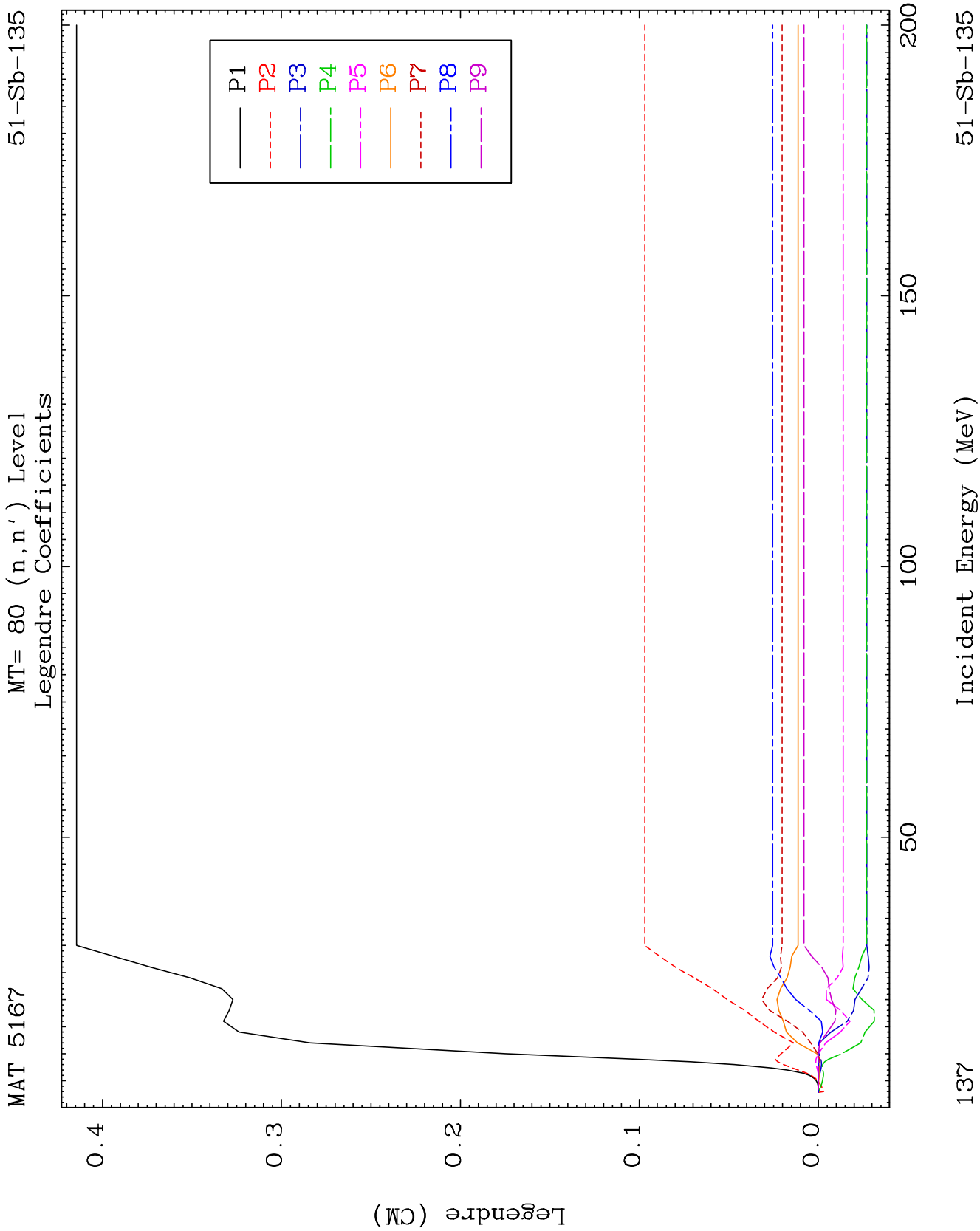


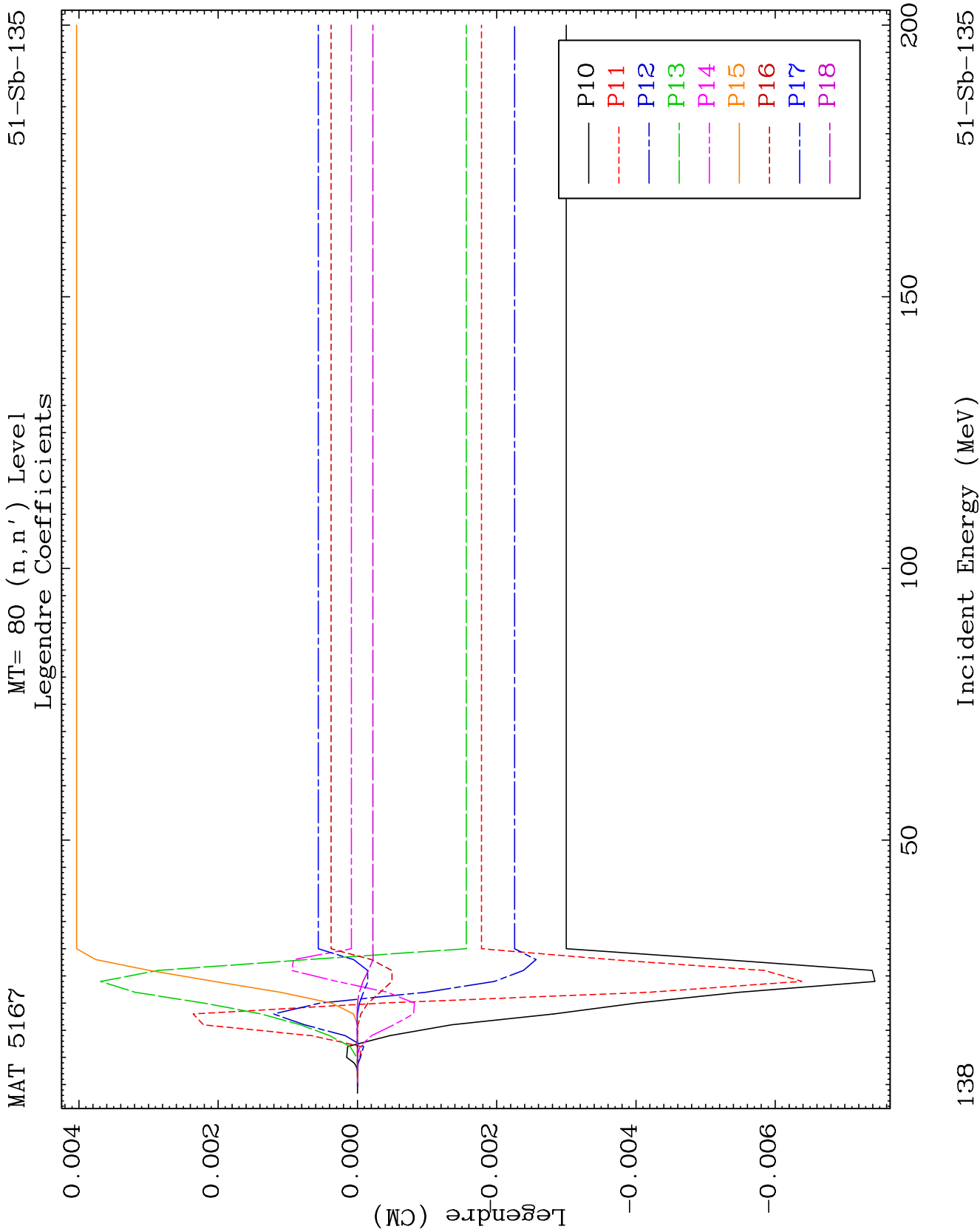


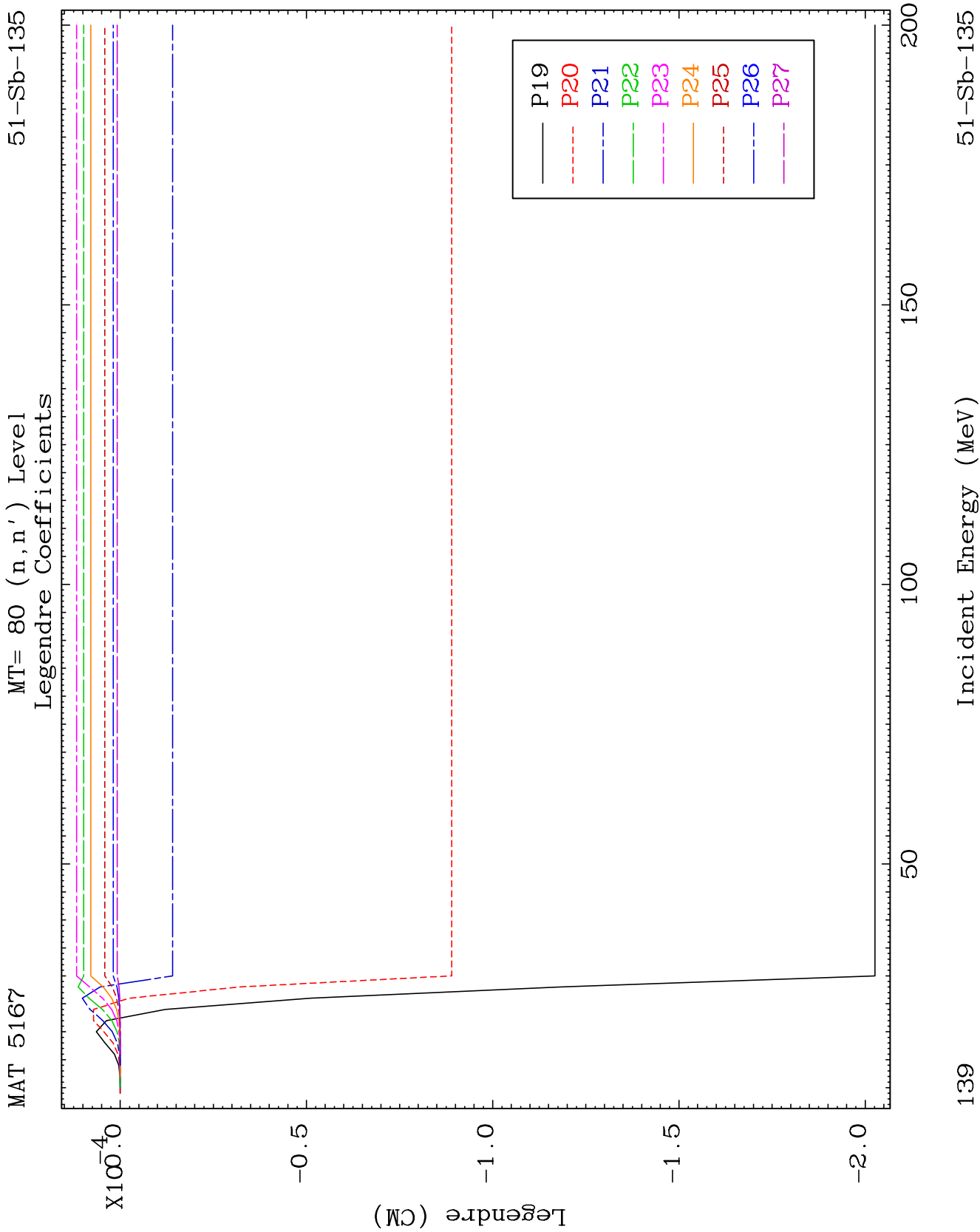


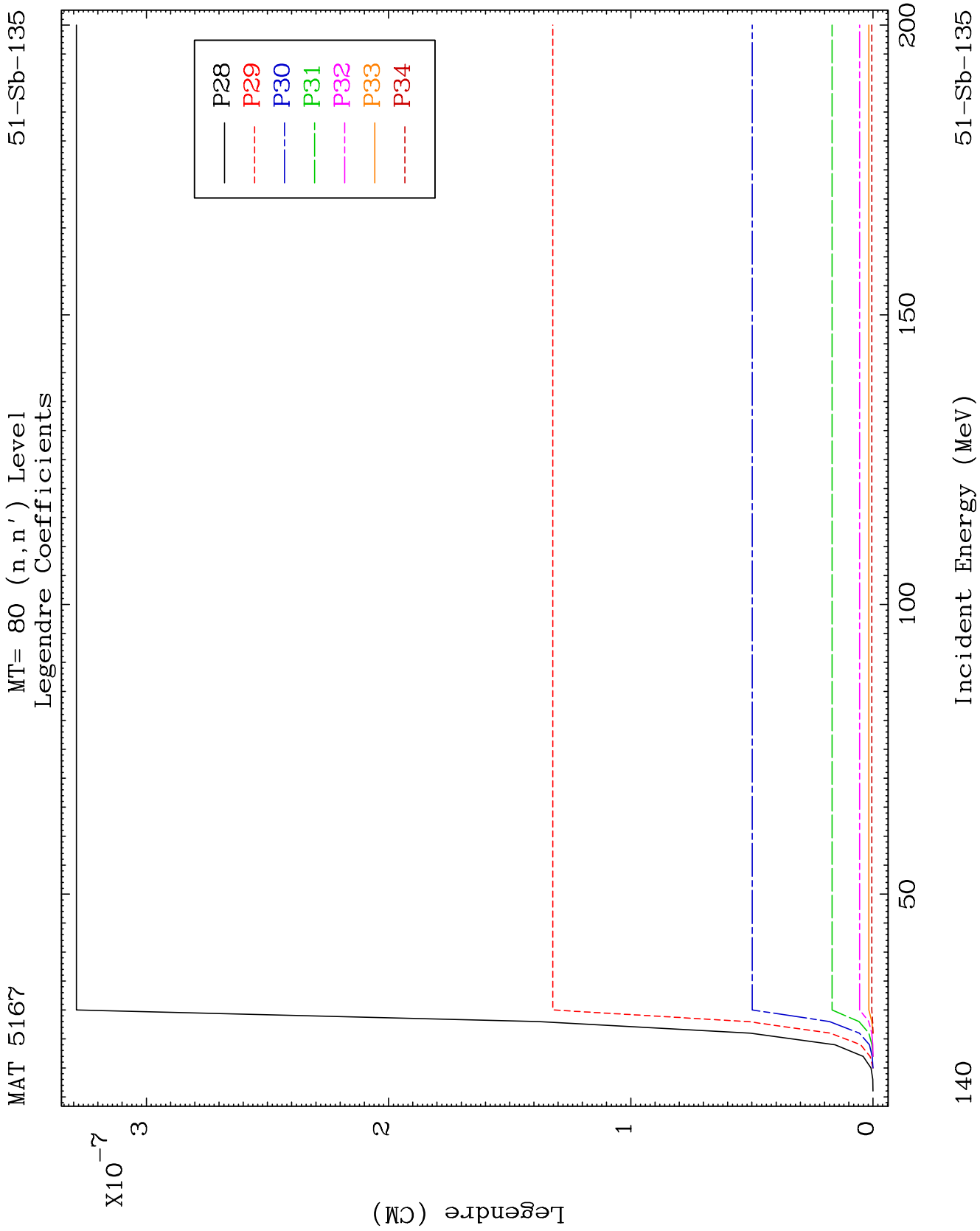


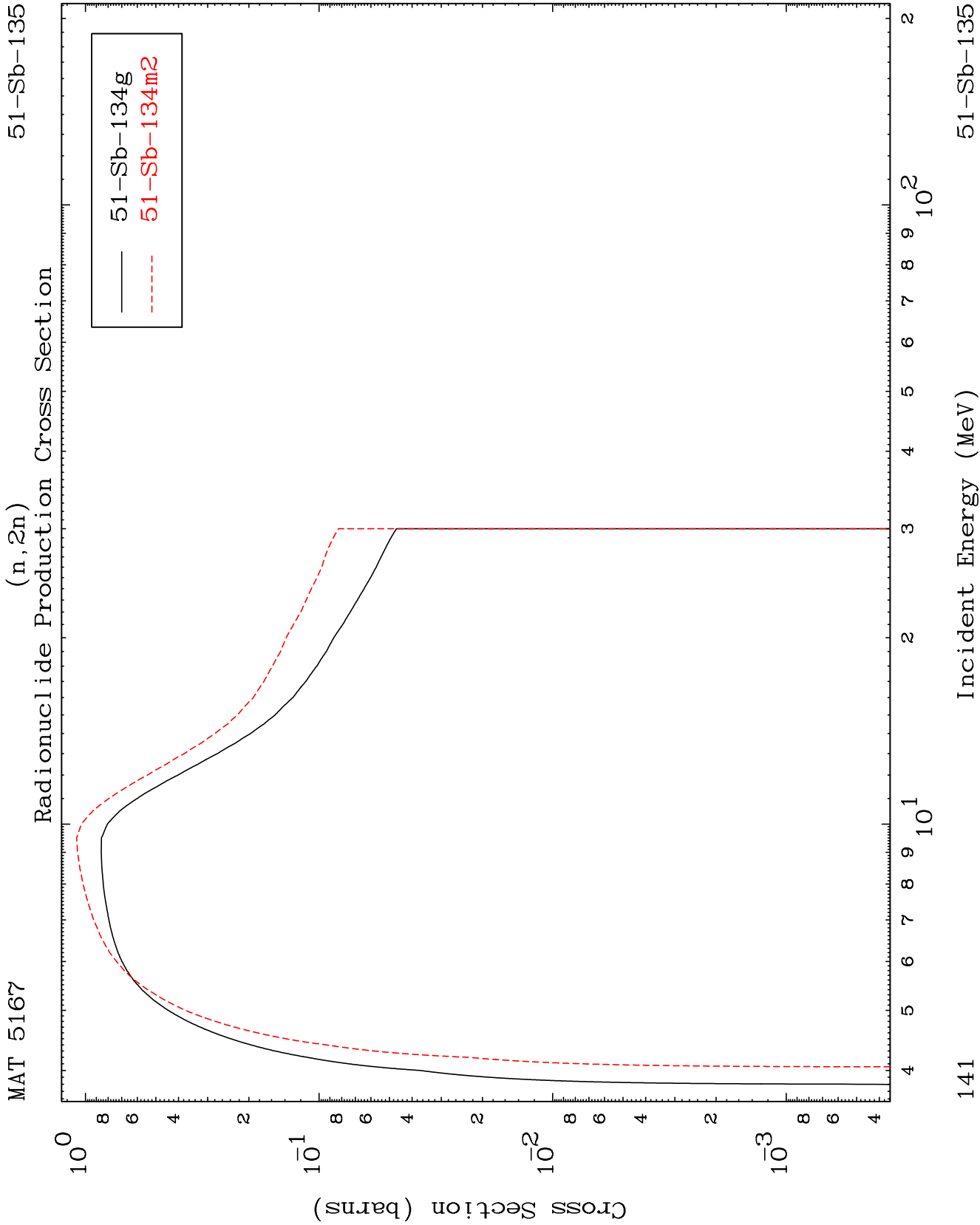




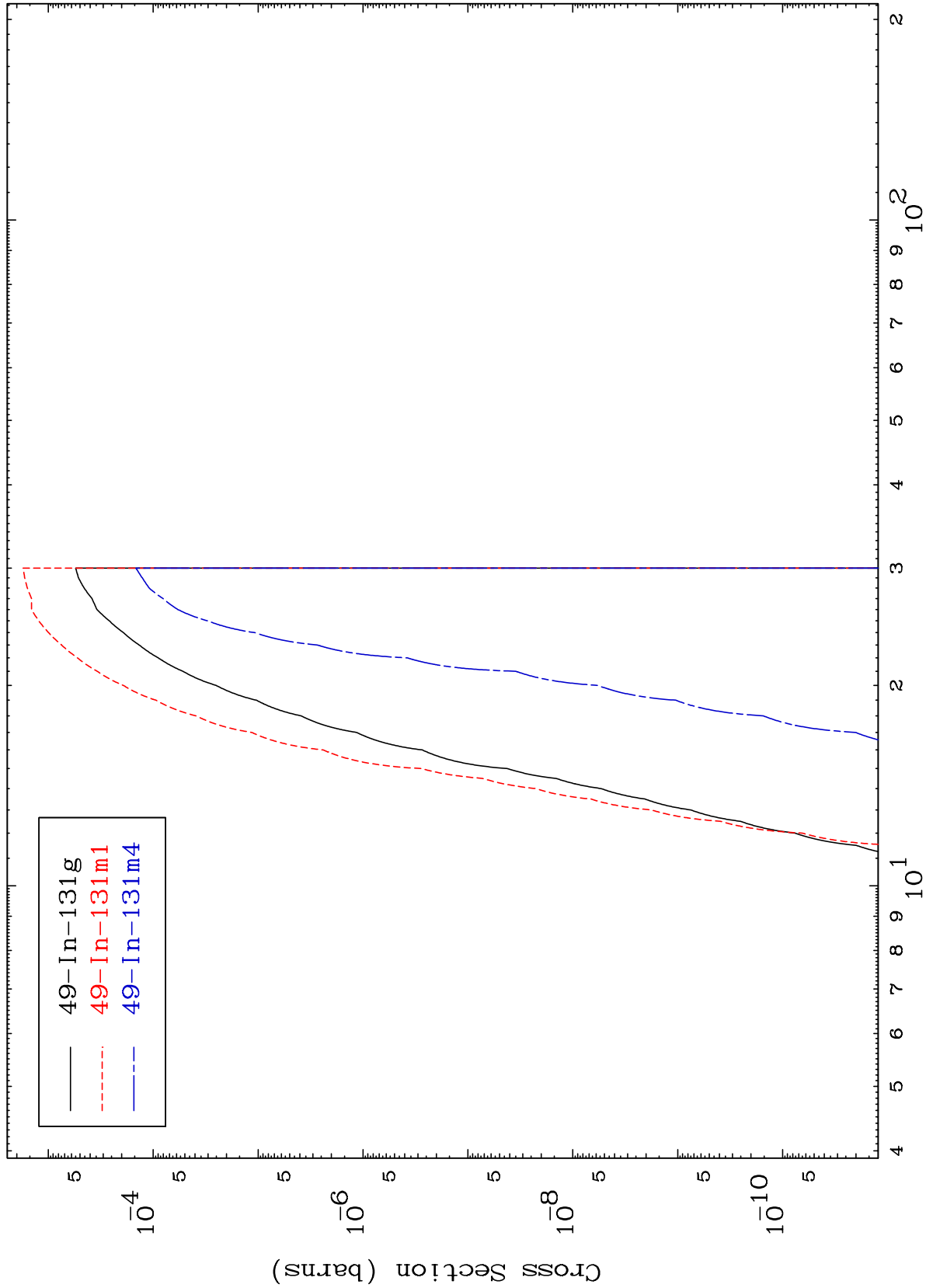








$(n,n') \alpha$
Radionuclide Production Cross Section

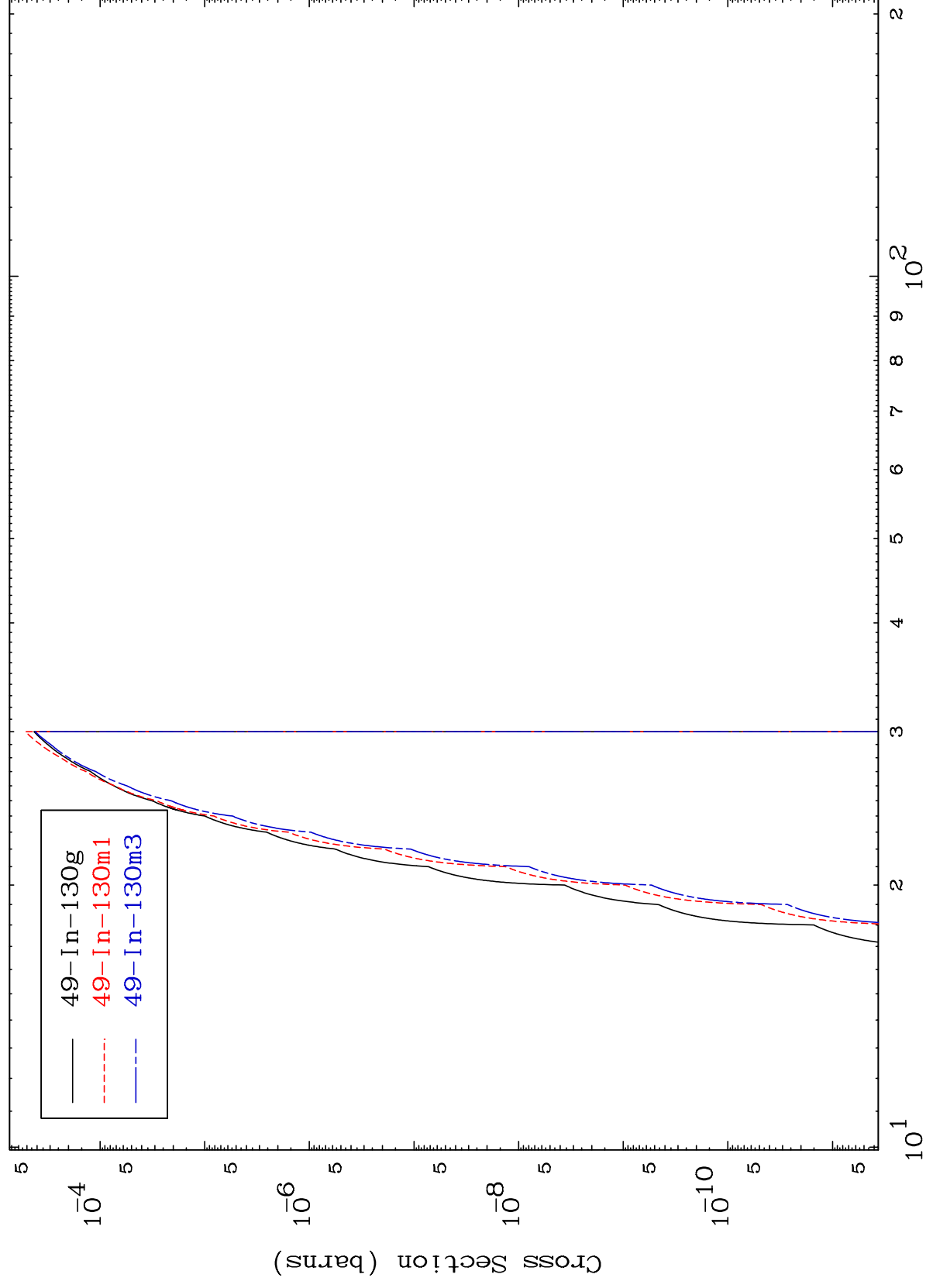


MAT 5167

51-Sb-135

$$(n, 2n) \propto$$

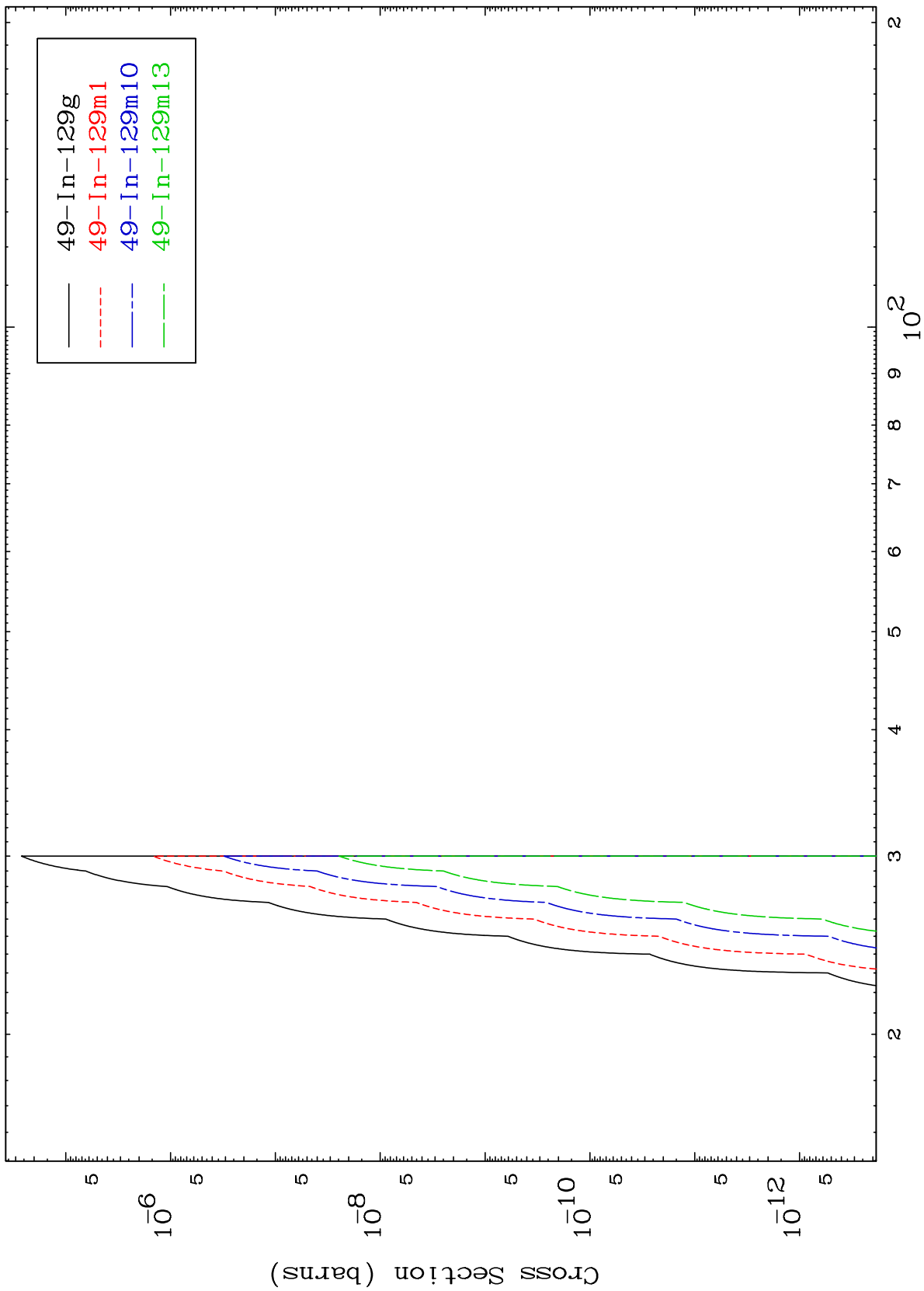
Radionuclide Production Cross Section

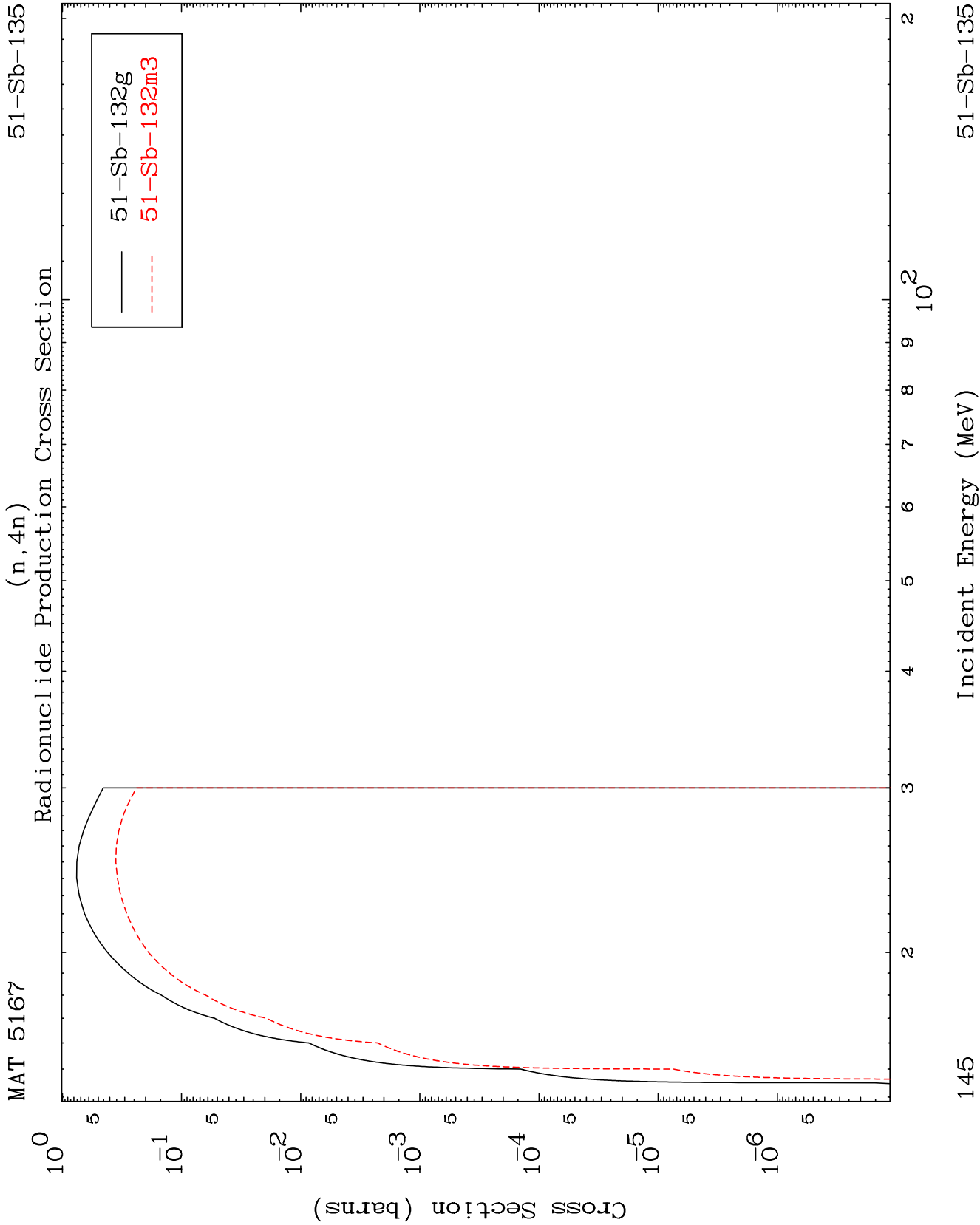


51-Sb-135

Incident Energy (MeV)

Radionuclide Production Cross Section
(n,3n) α

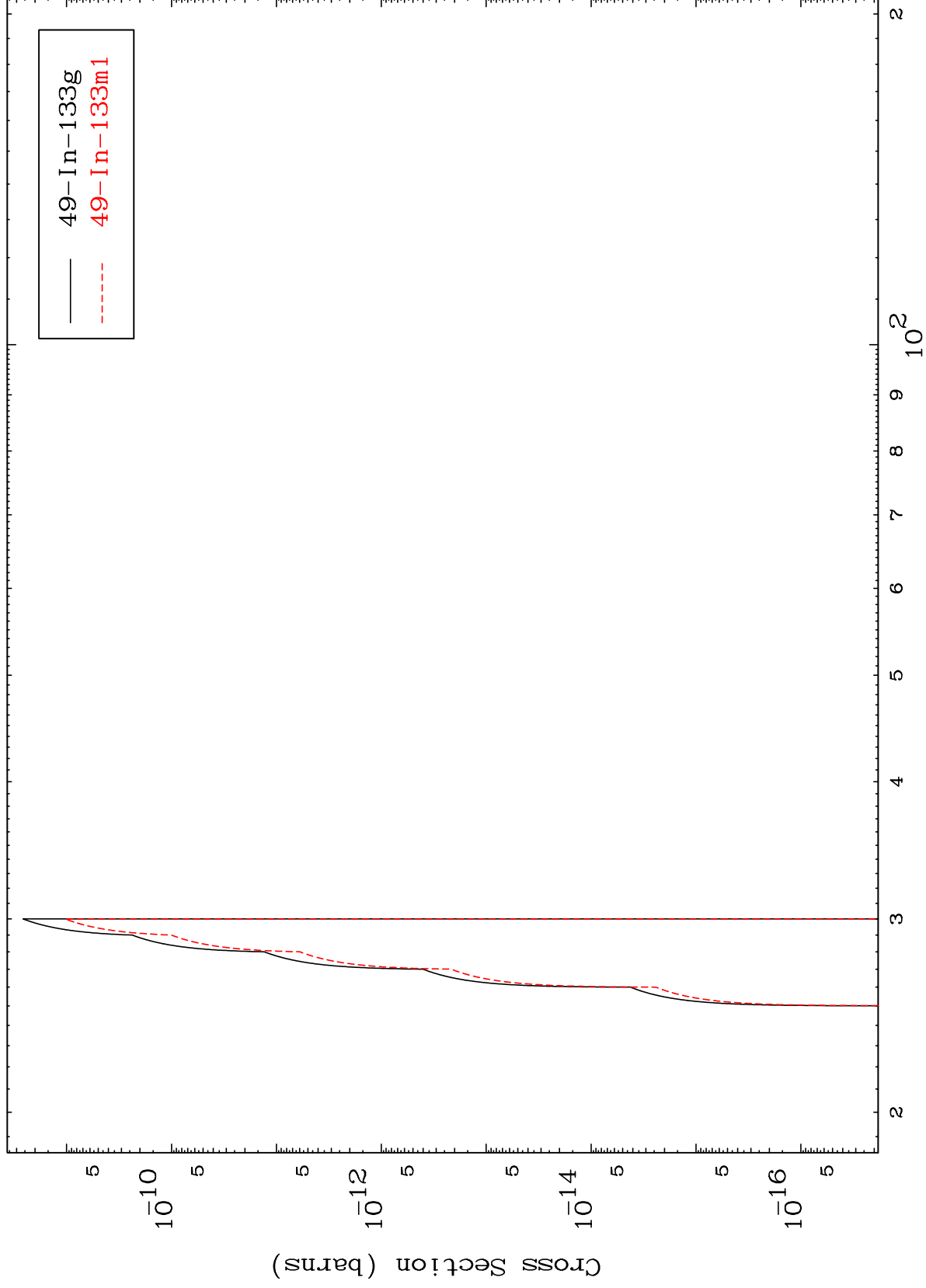




MAT 5167

51-Sb-135

(n,He-3)
Radionuclide Production Cross Section



146

Incident Energy (MeV)

51-Sb-135