

Program EVALPLOT
(Version 2017-1)

by

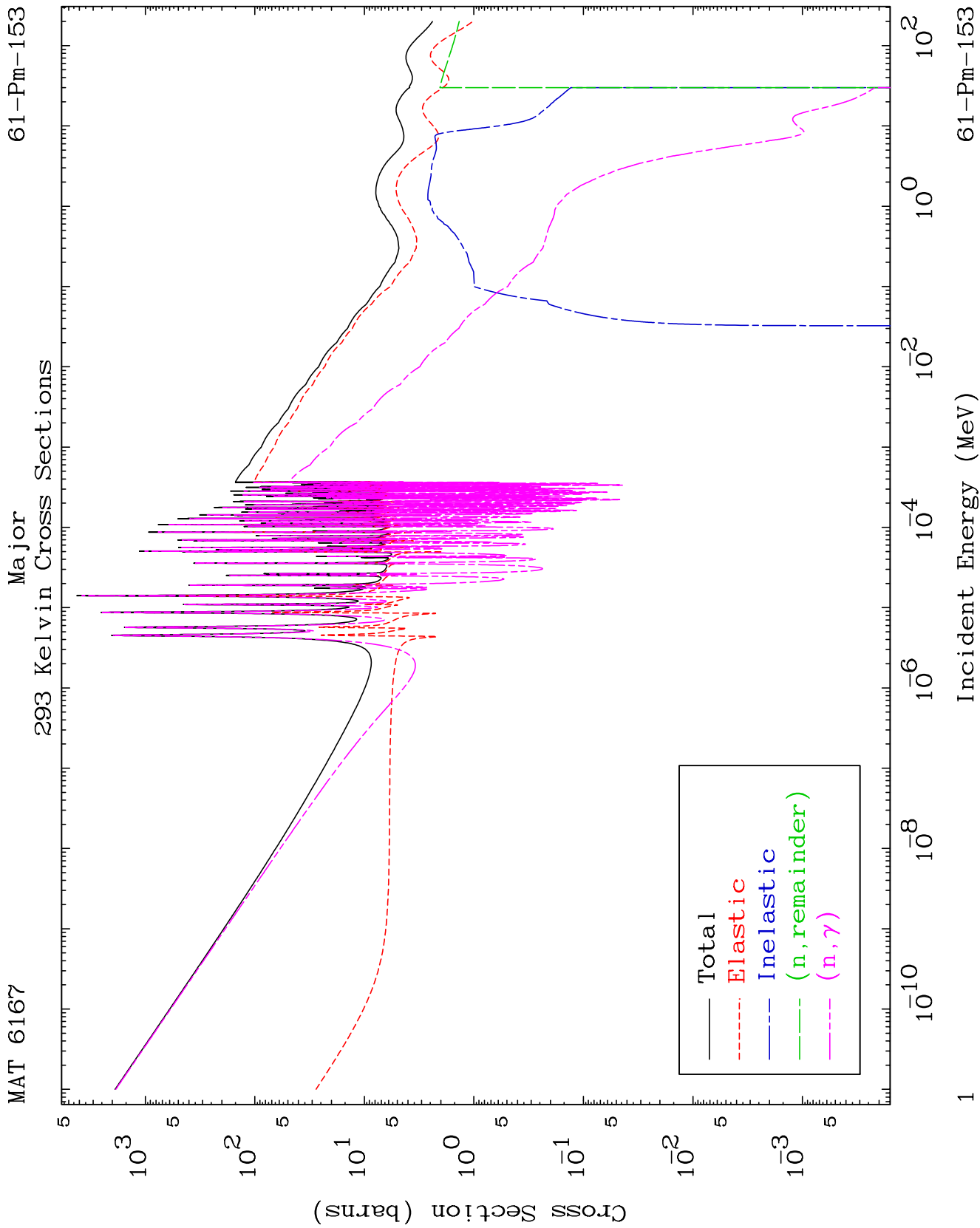
Dermott E. Cullen
(Present Contact Information)

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

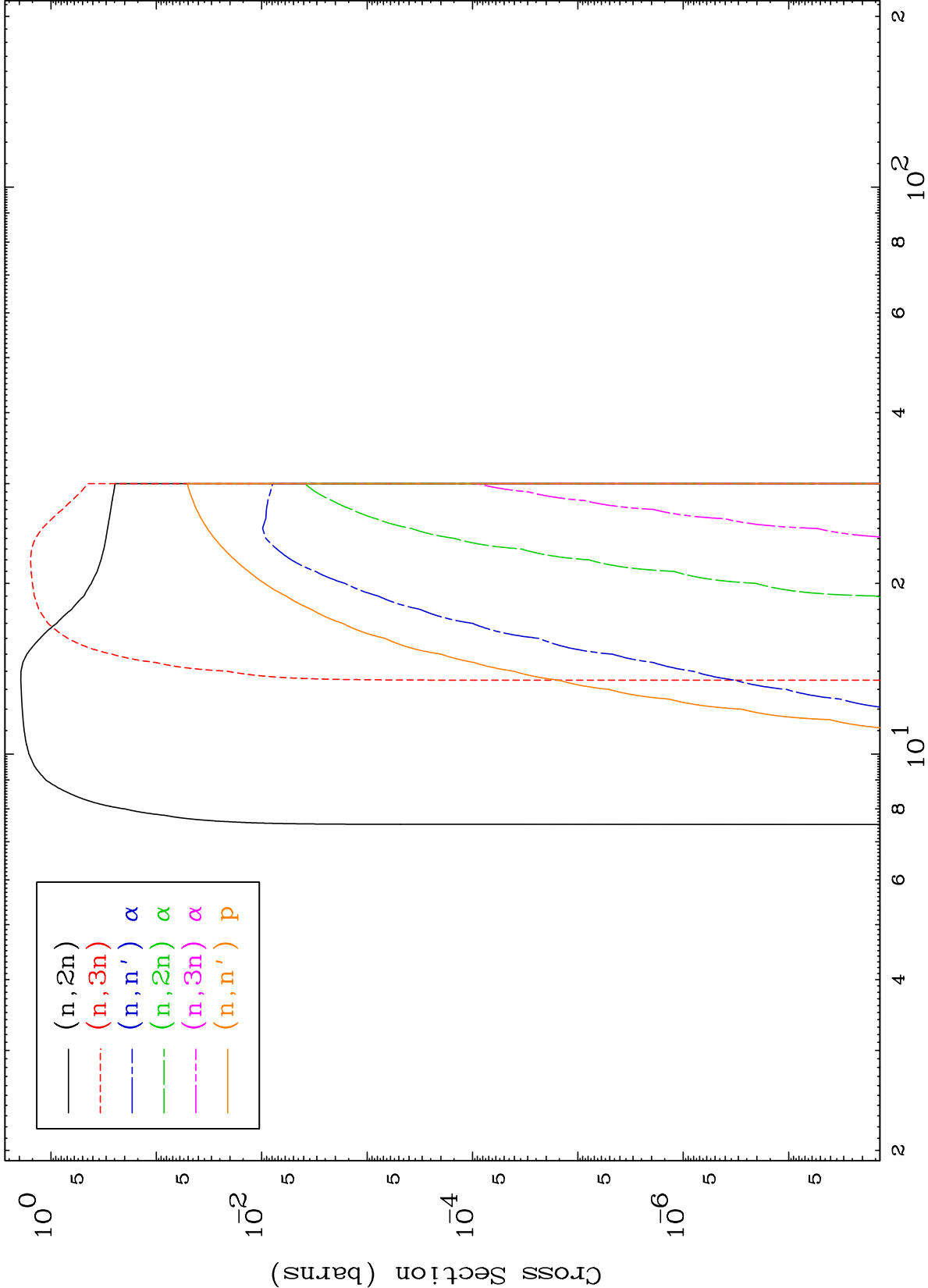
Press Mouse Button to Start



MAT 6167

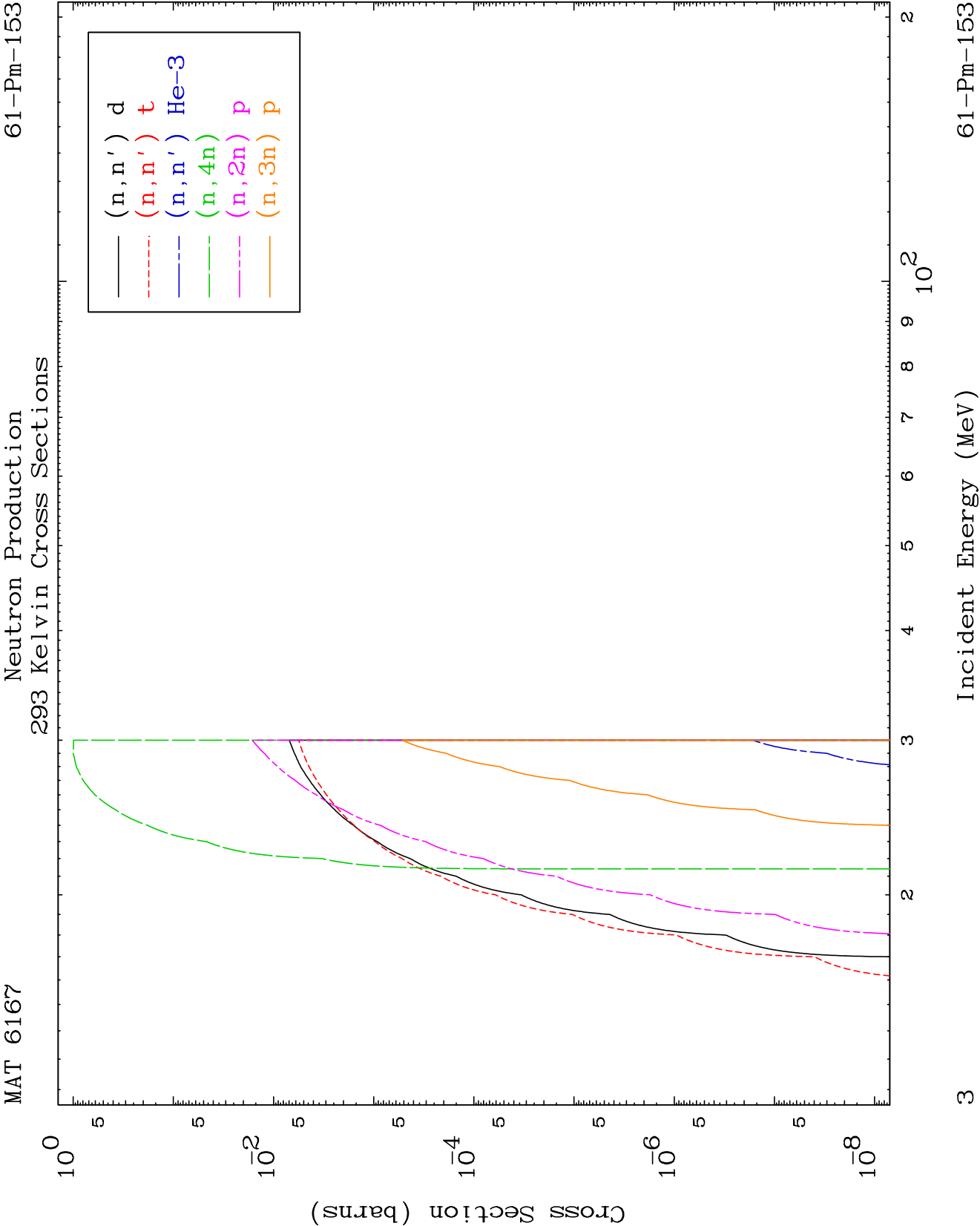
Neutron Production
293 Kelvin Cross Sections

61-Pm-153



Incident Energy (MeV)

61-Pm-153

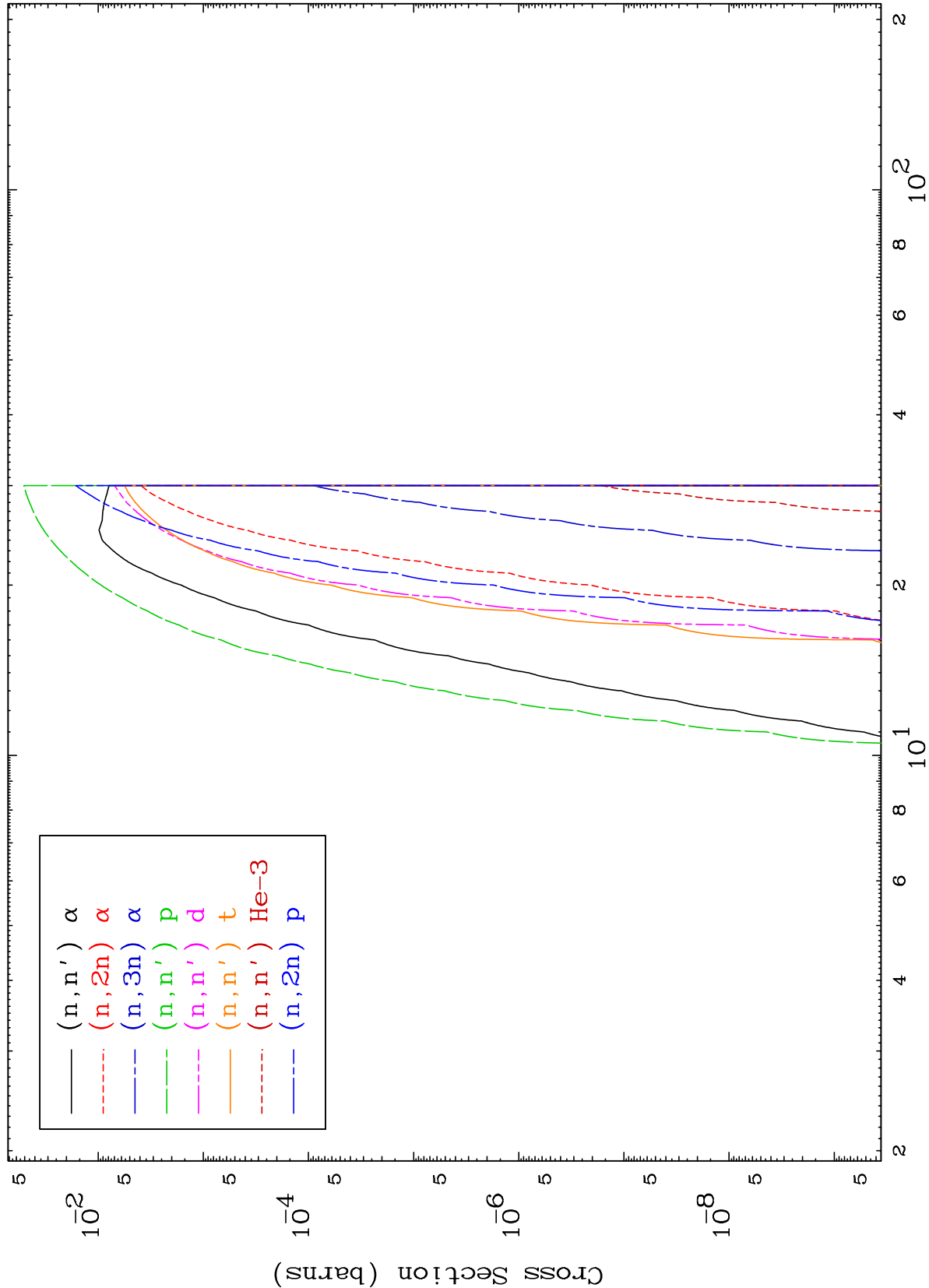


MAT 6167

Charged Particle

61-Pm-153

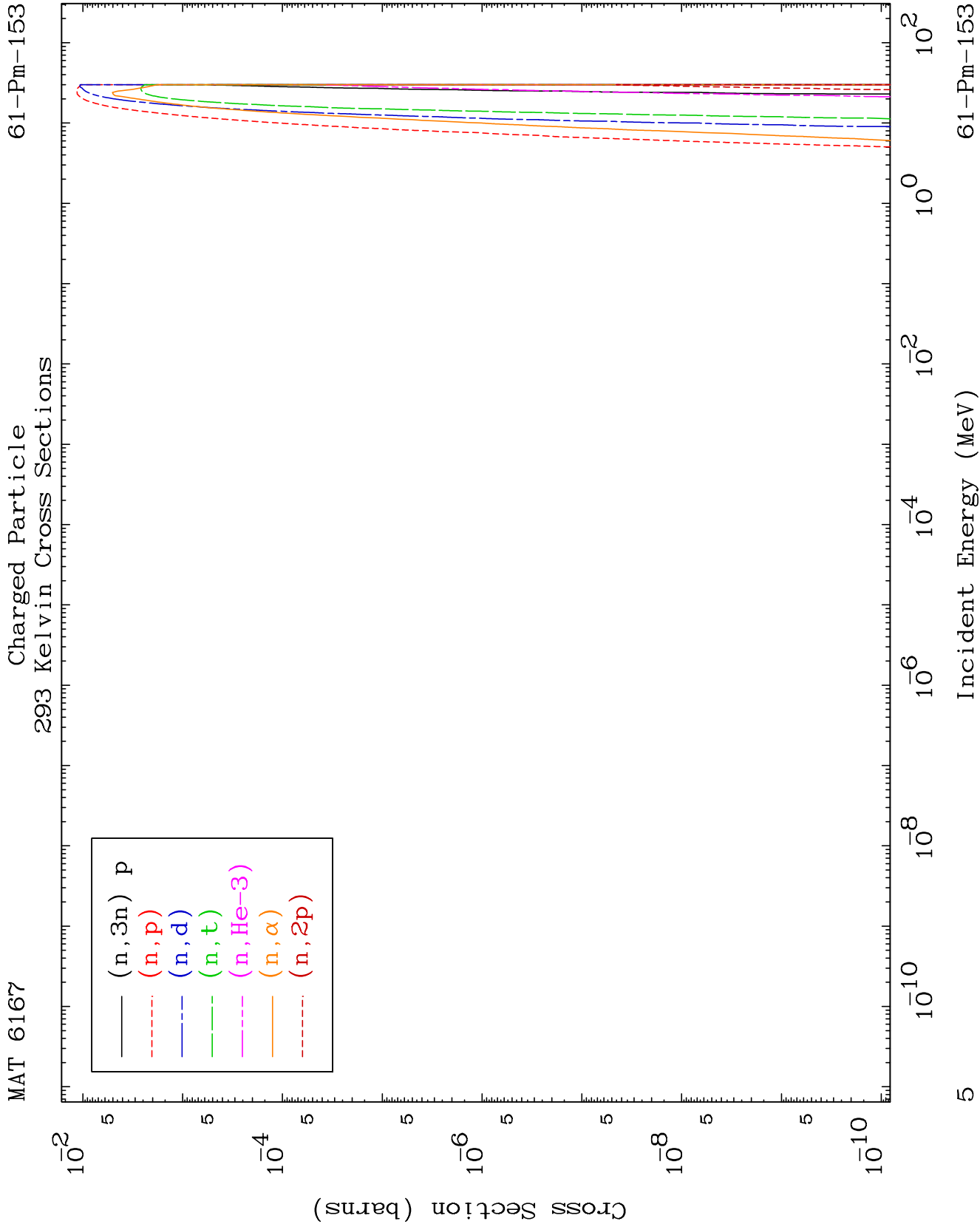
293 Kelvin Cross Sections



4

Incident Energy (MeV)

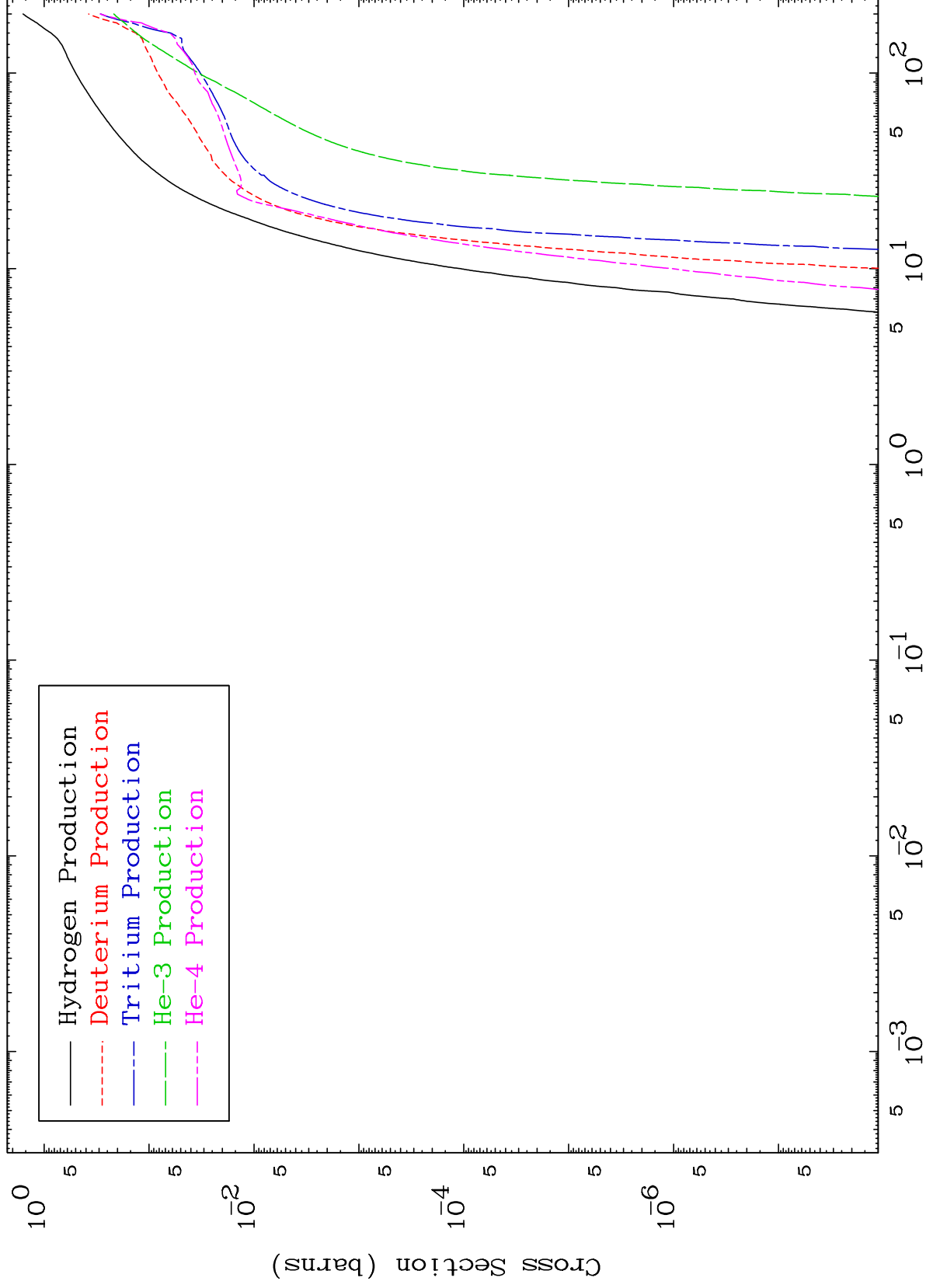
61-Pm-153

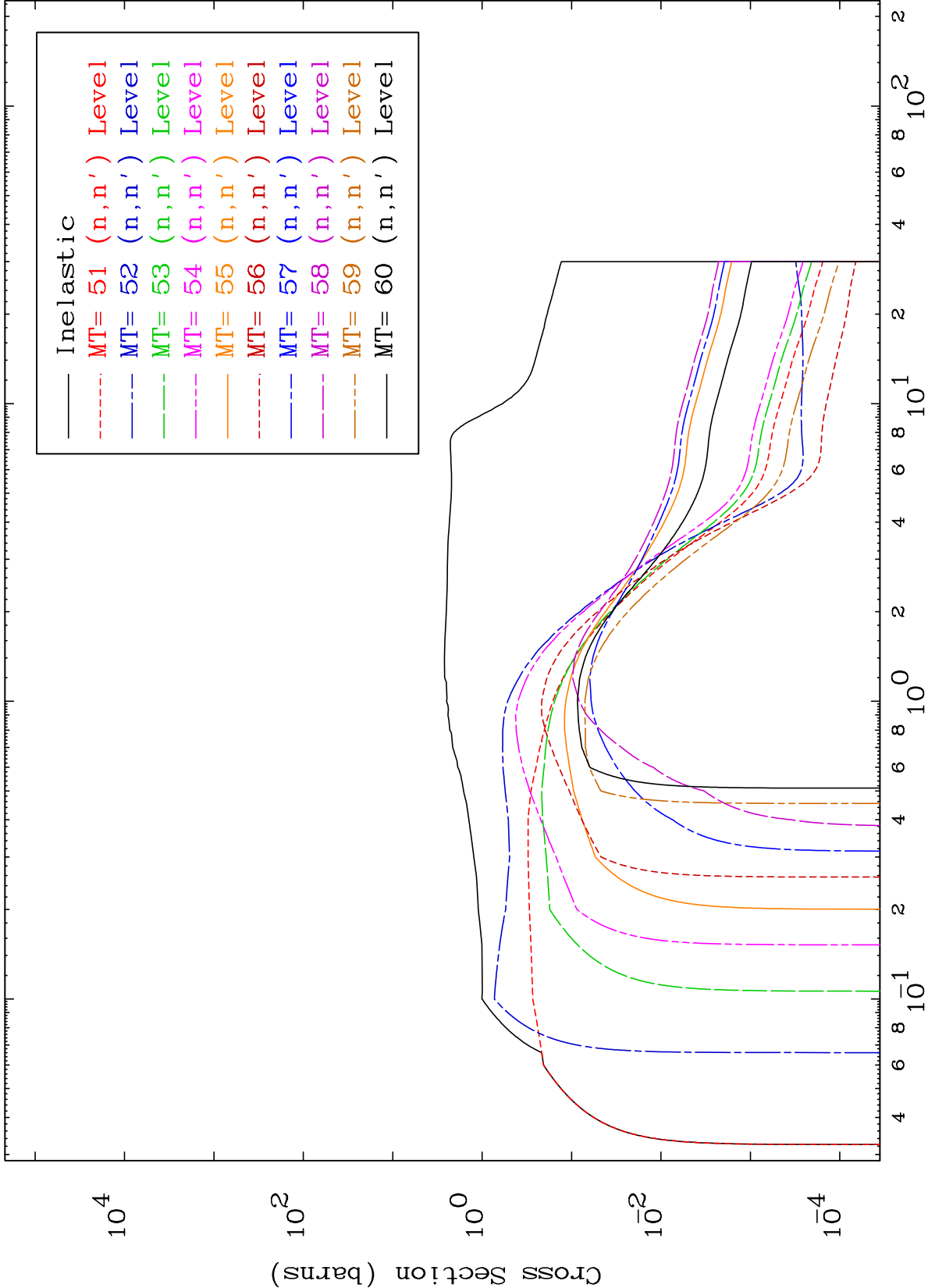


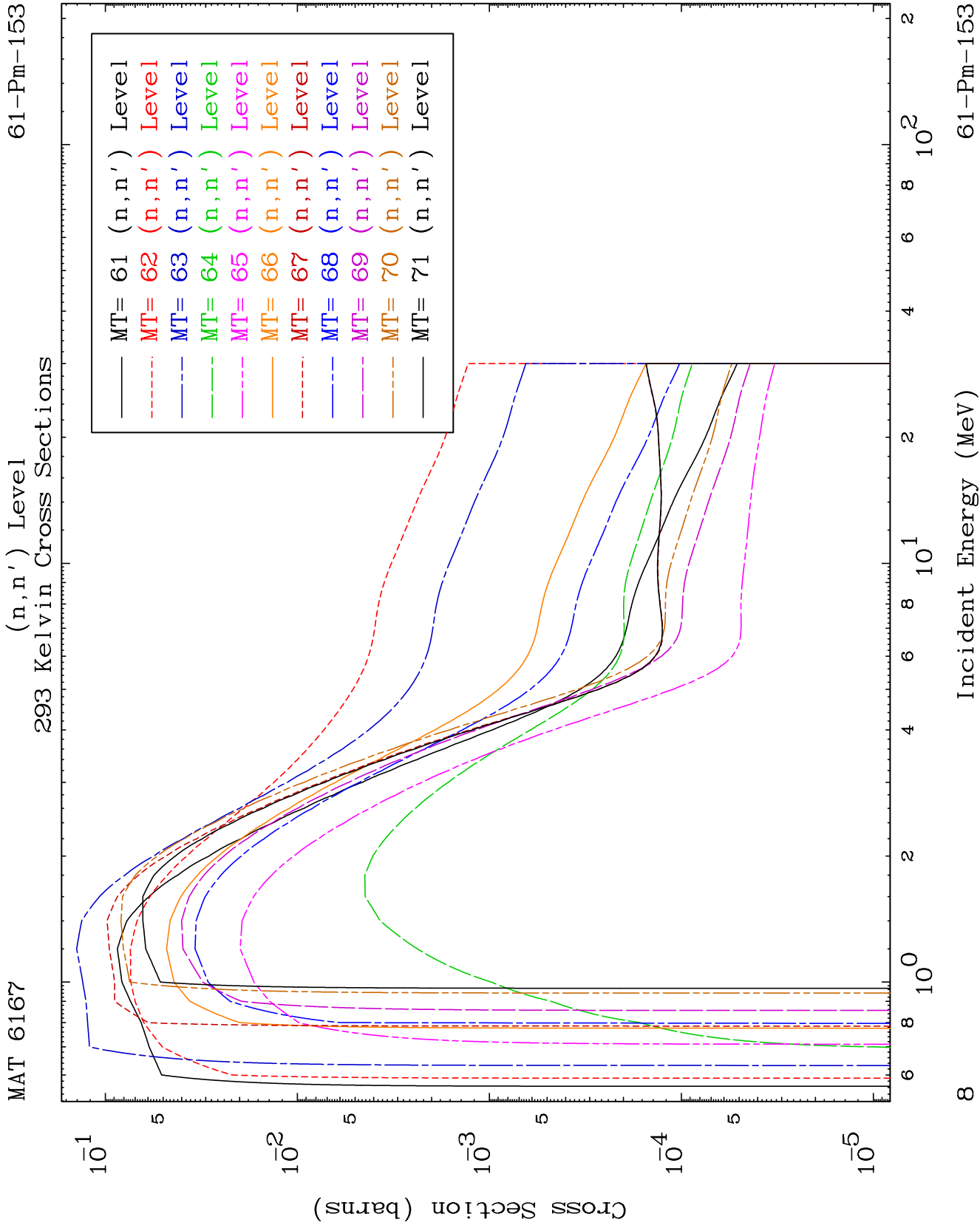
MAT 6167

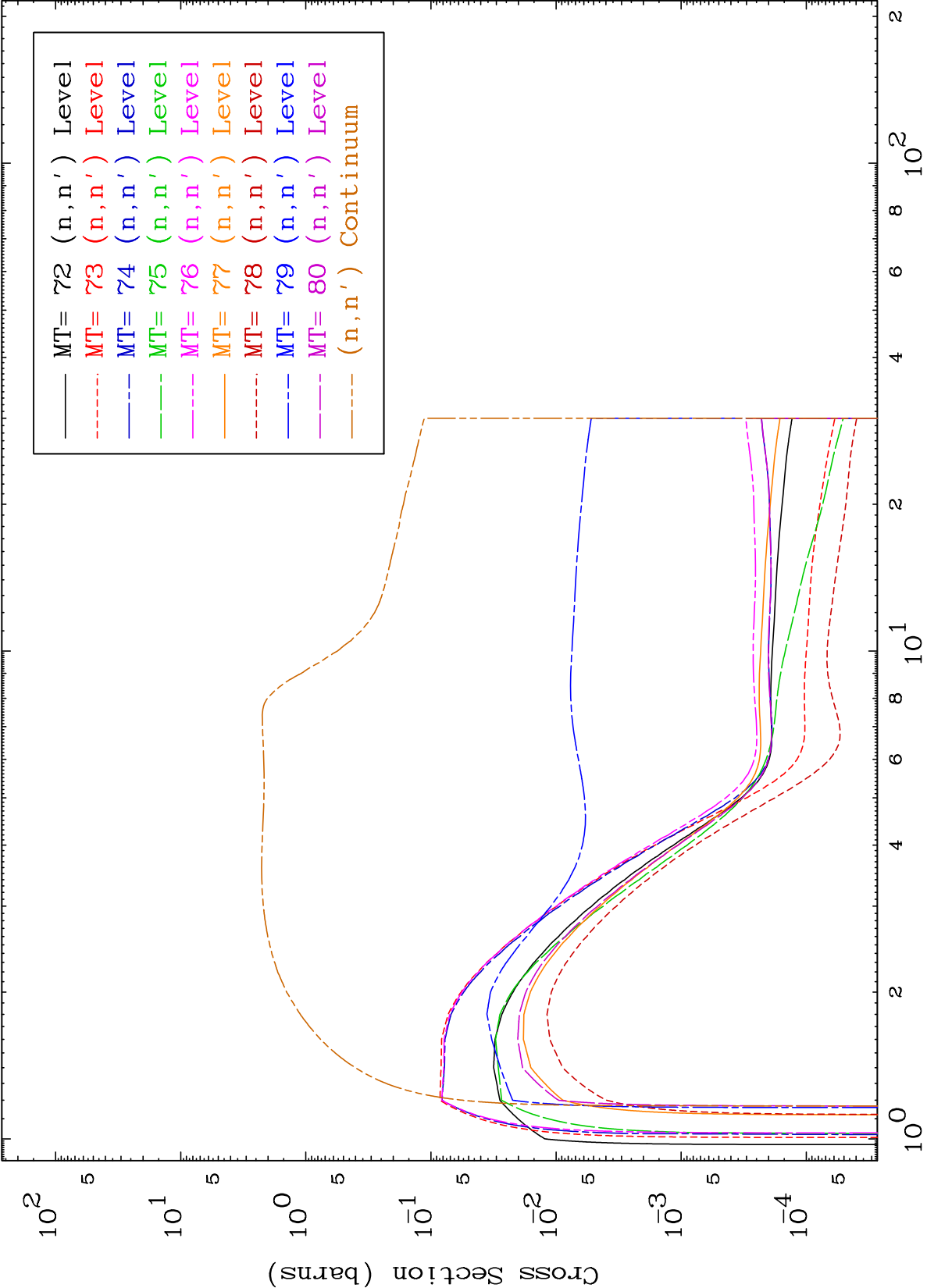
Particle Production
293 Kelvin Cross Sections

61-Pm-153





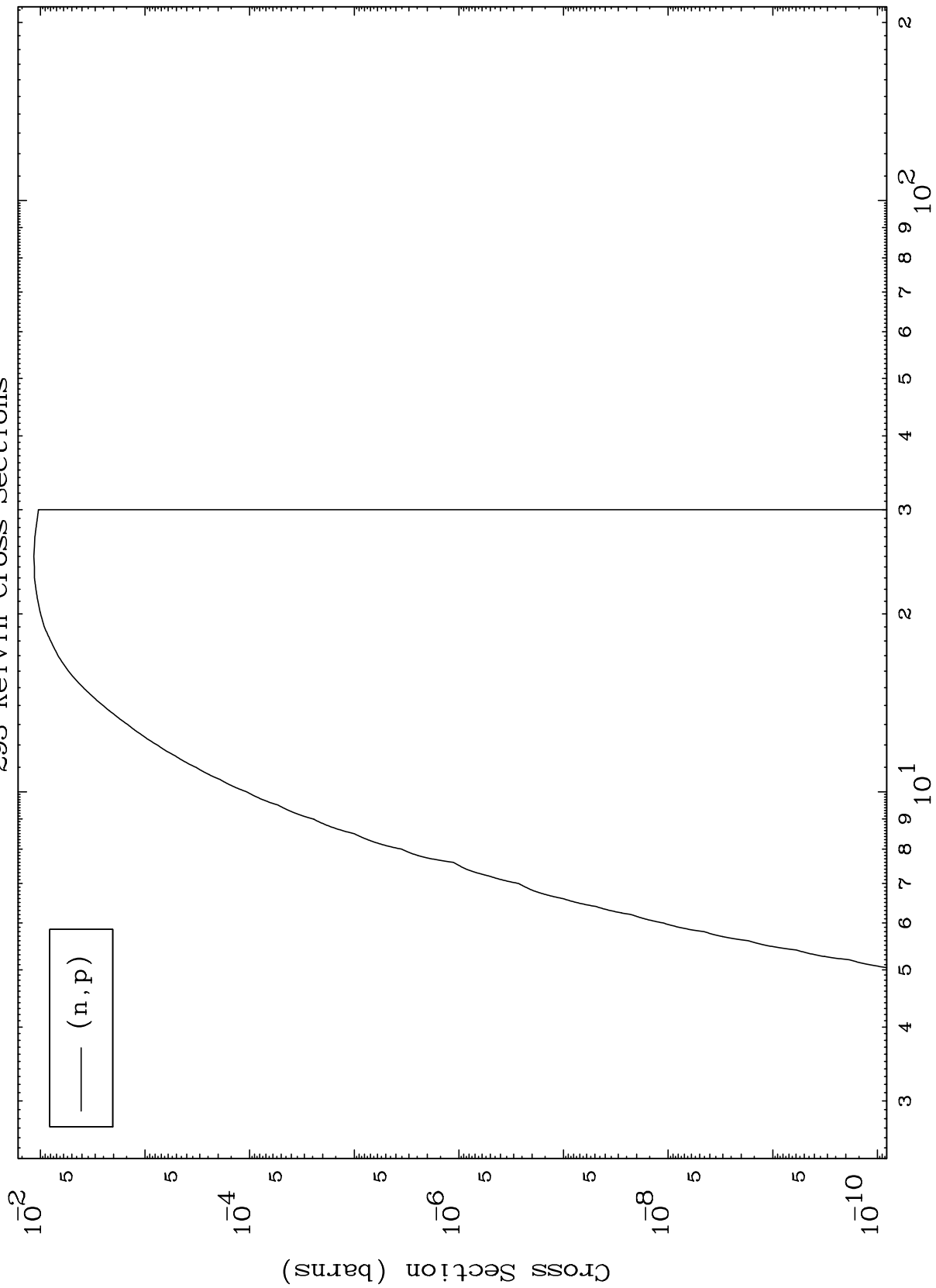




MAT 6167

61-Pm-153

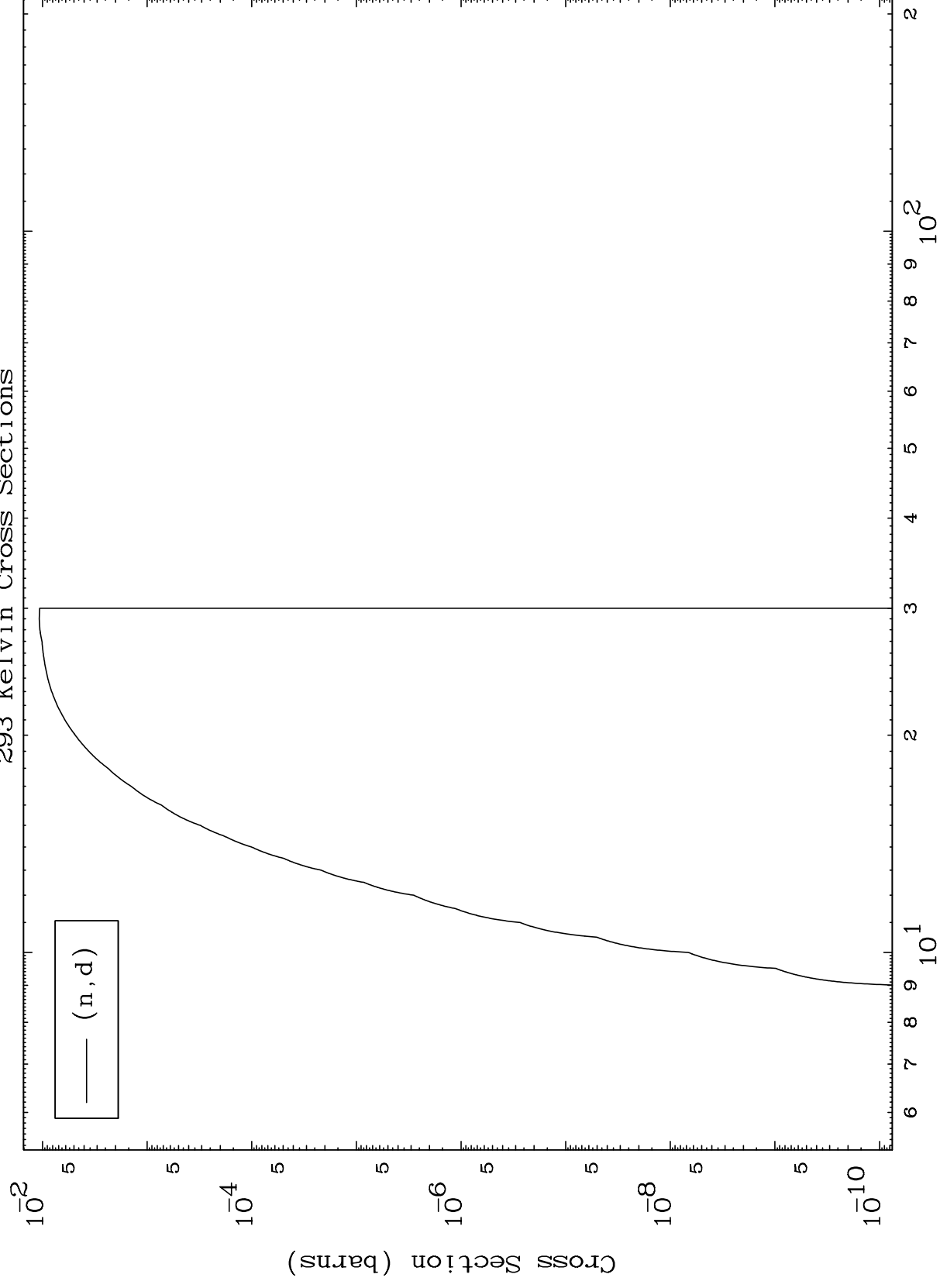
(n,p) Levels
293 Kelvin Cross Sections



MAT 6167

61-Pm-153

(n,d) Levels
293 Kelvin Cross Sections

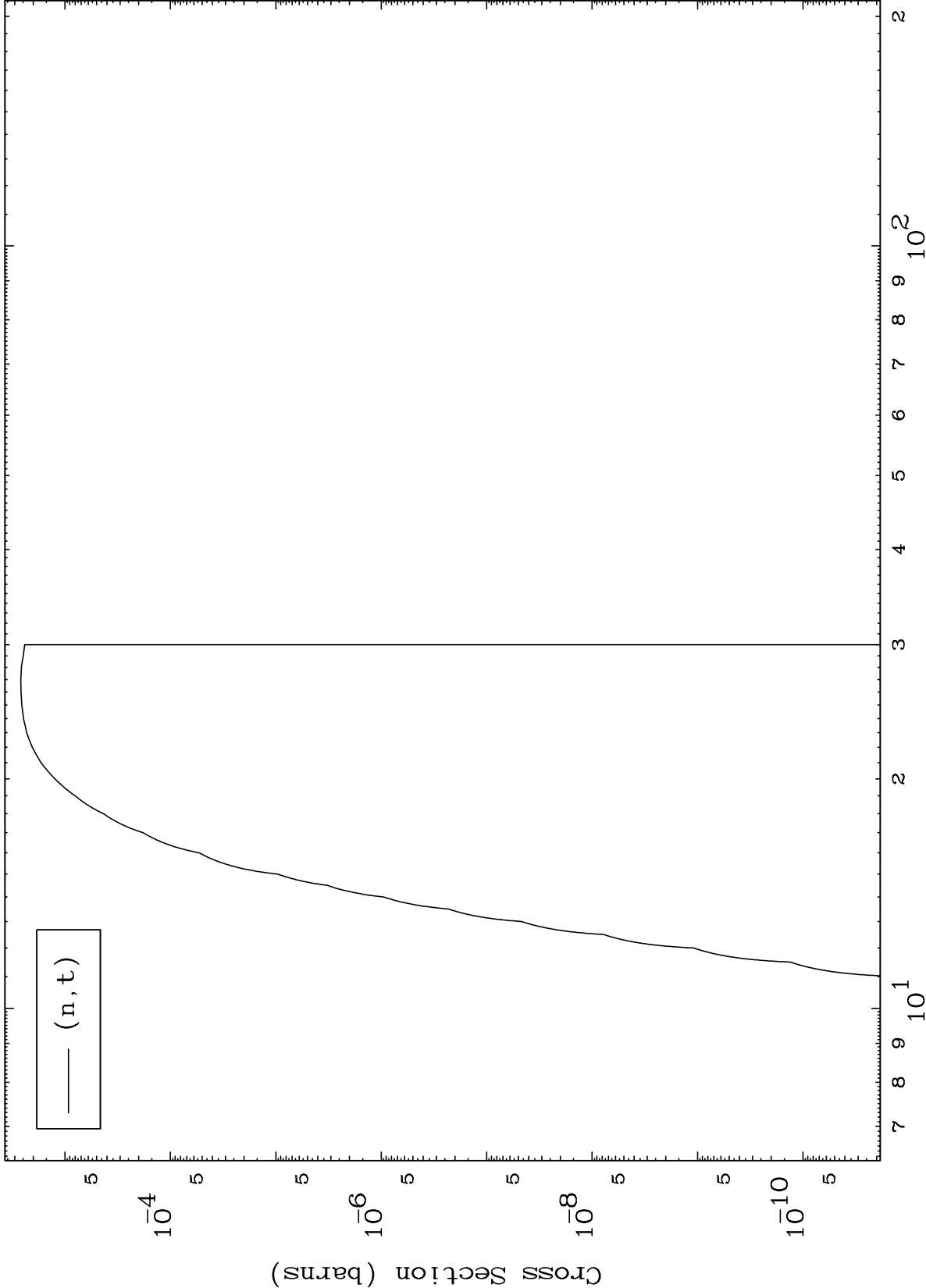


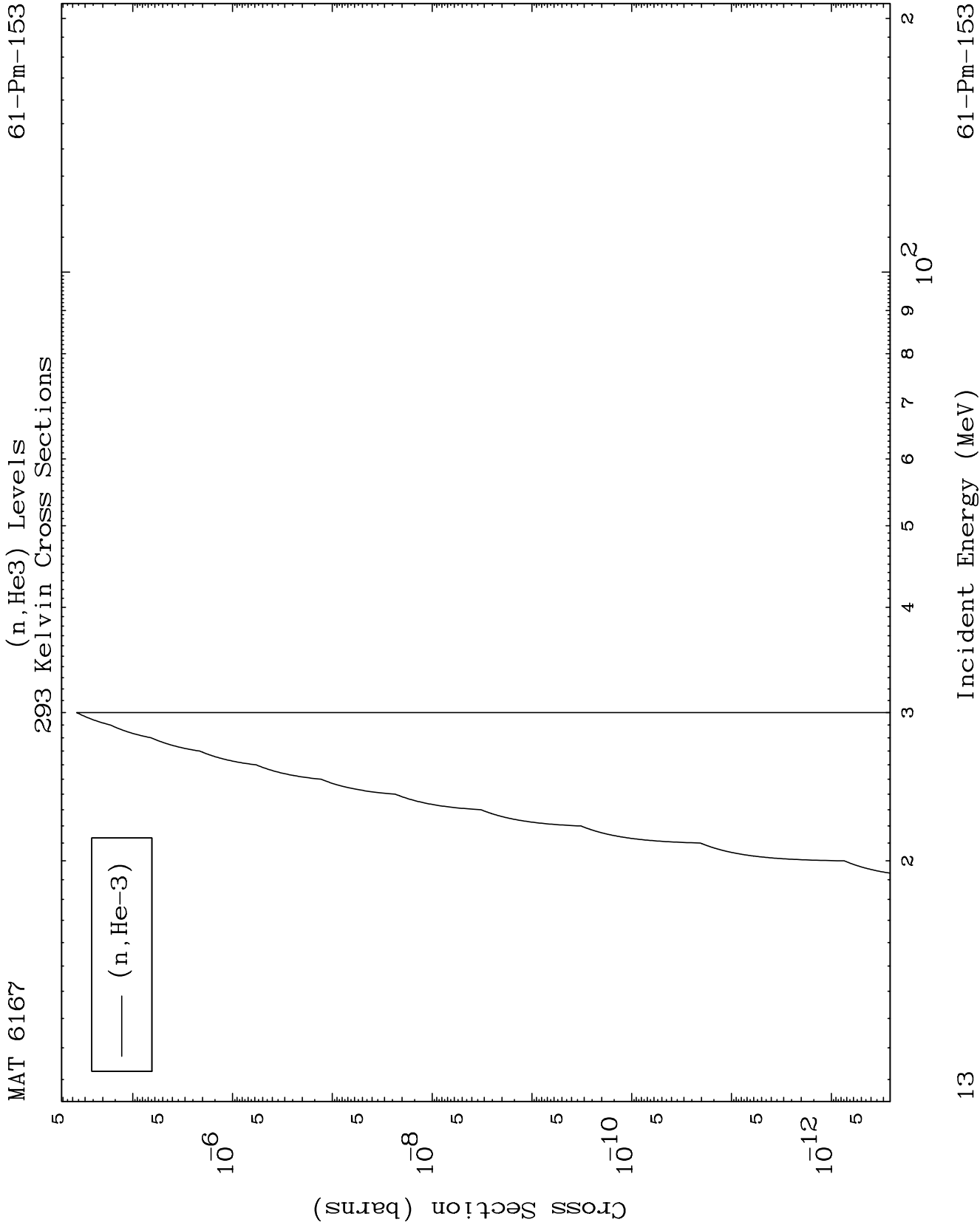
11

Incident Energy (MeV)

61-Pm-153

(n,t) Levels
293 Kelvin Cross Sections

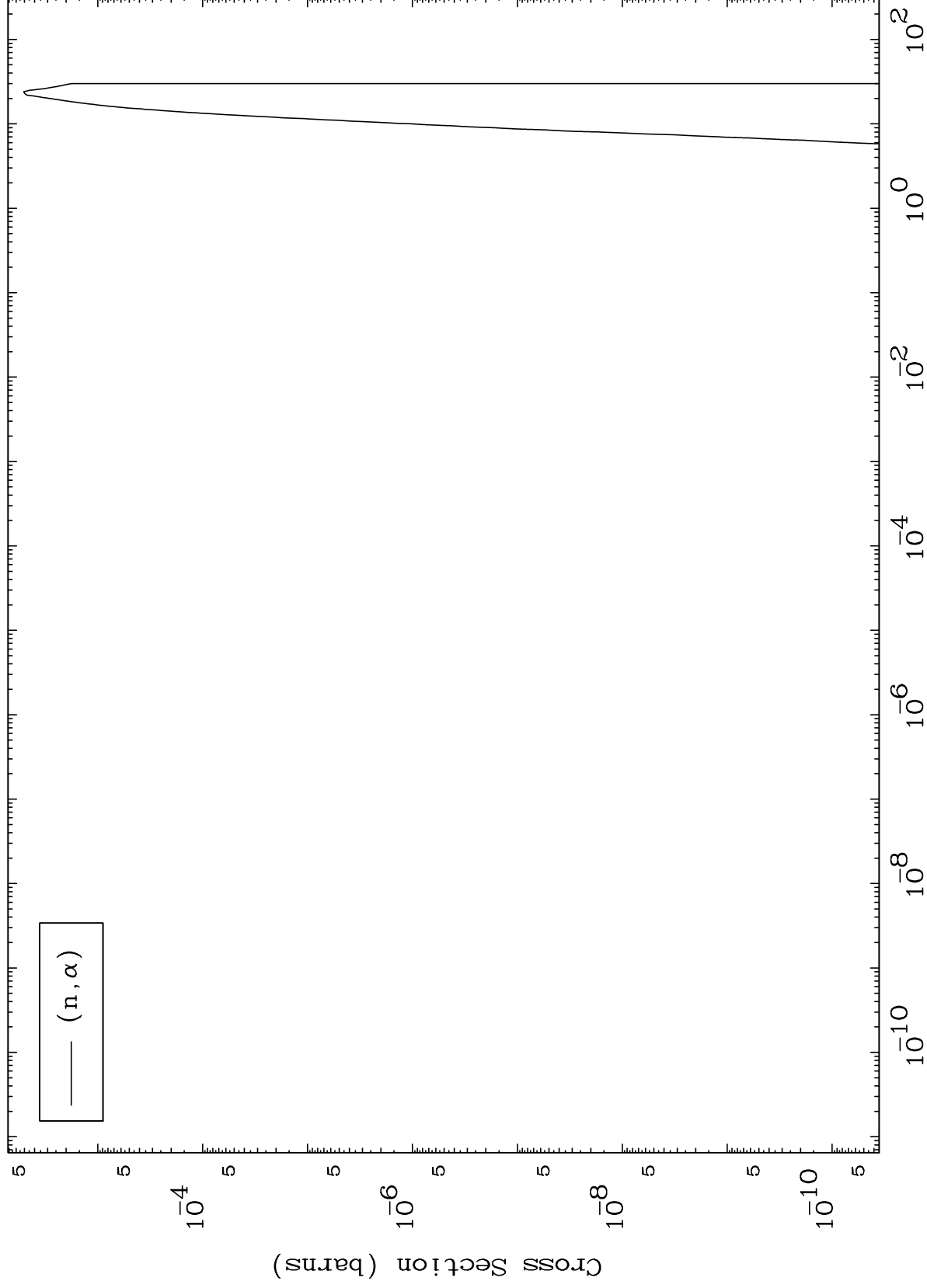




MAT 6167

61-Pm-153

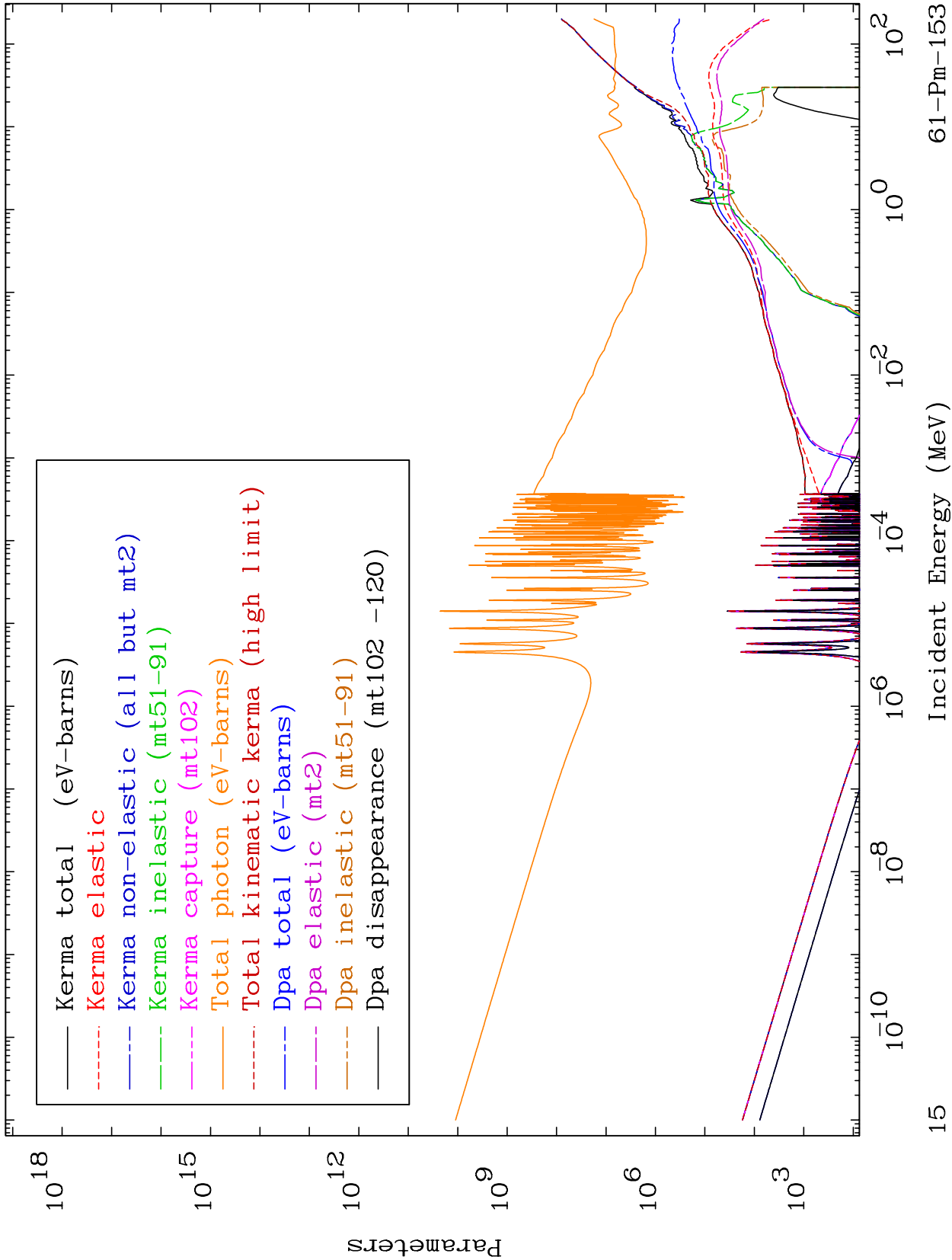
(n, α) Levels
293 Kelvin Cross Sections



14

Incident Energy (MeV)

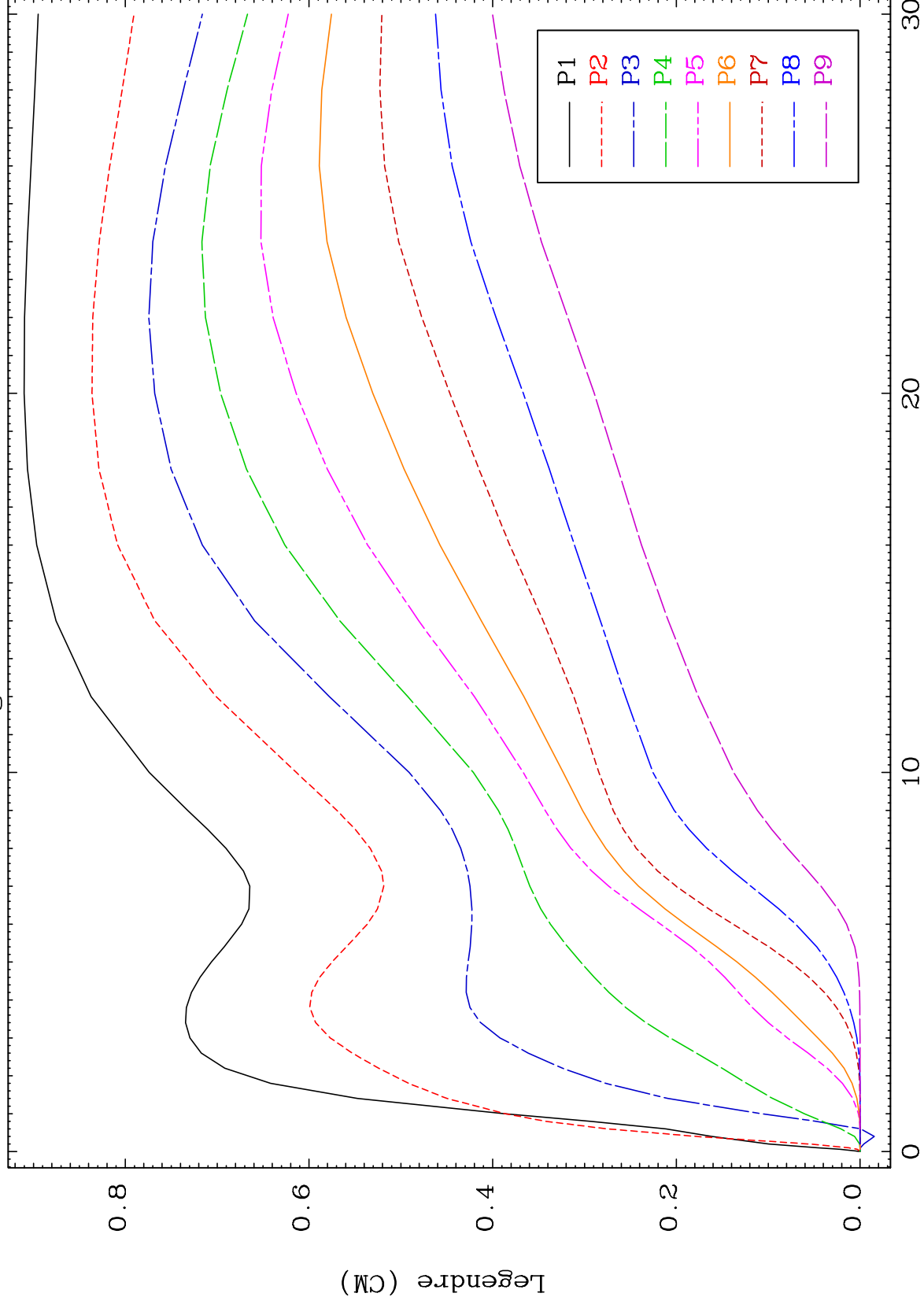
61-Pm-153



MAT 6167

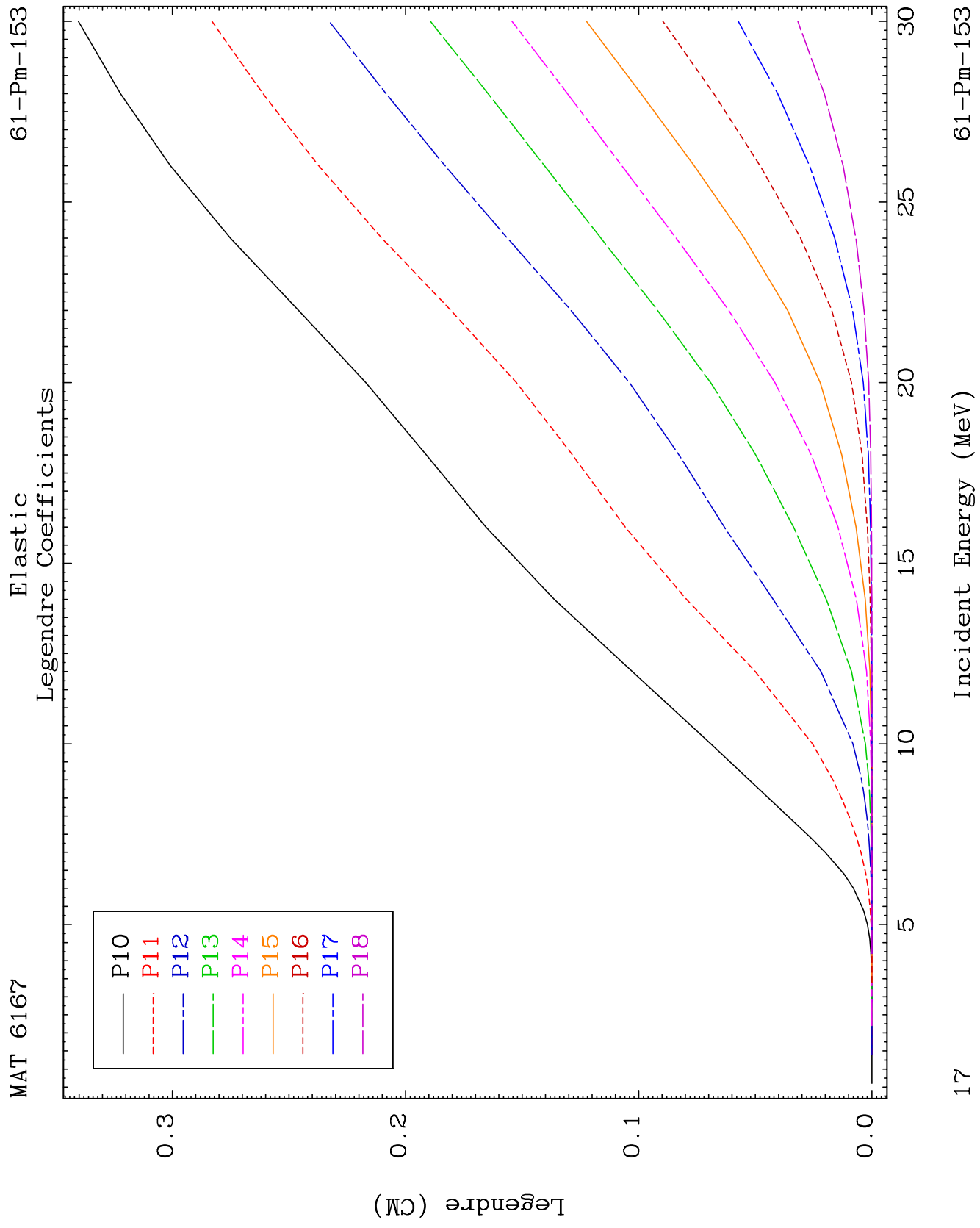
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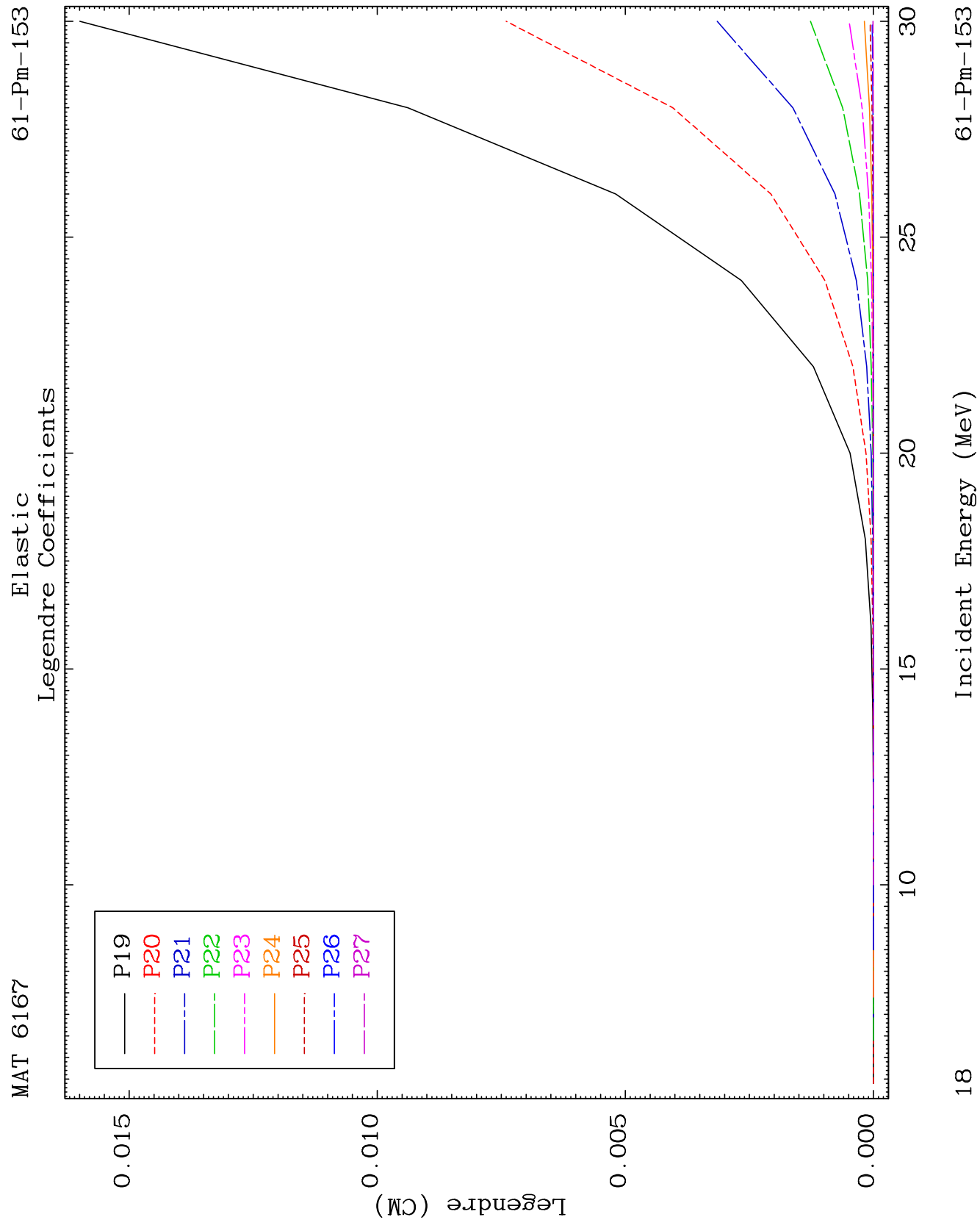
Elastic Legendre Coefficients

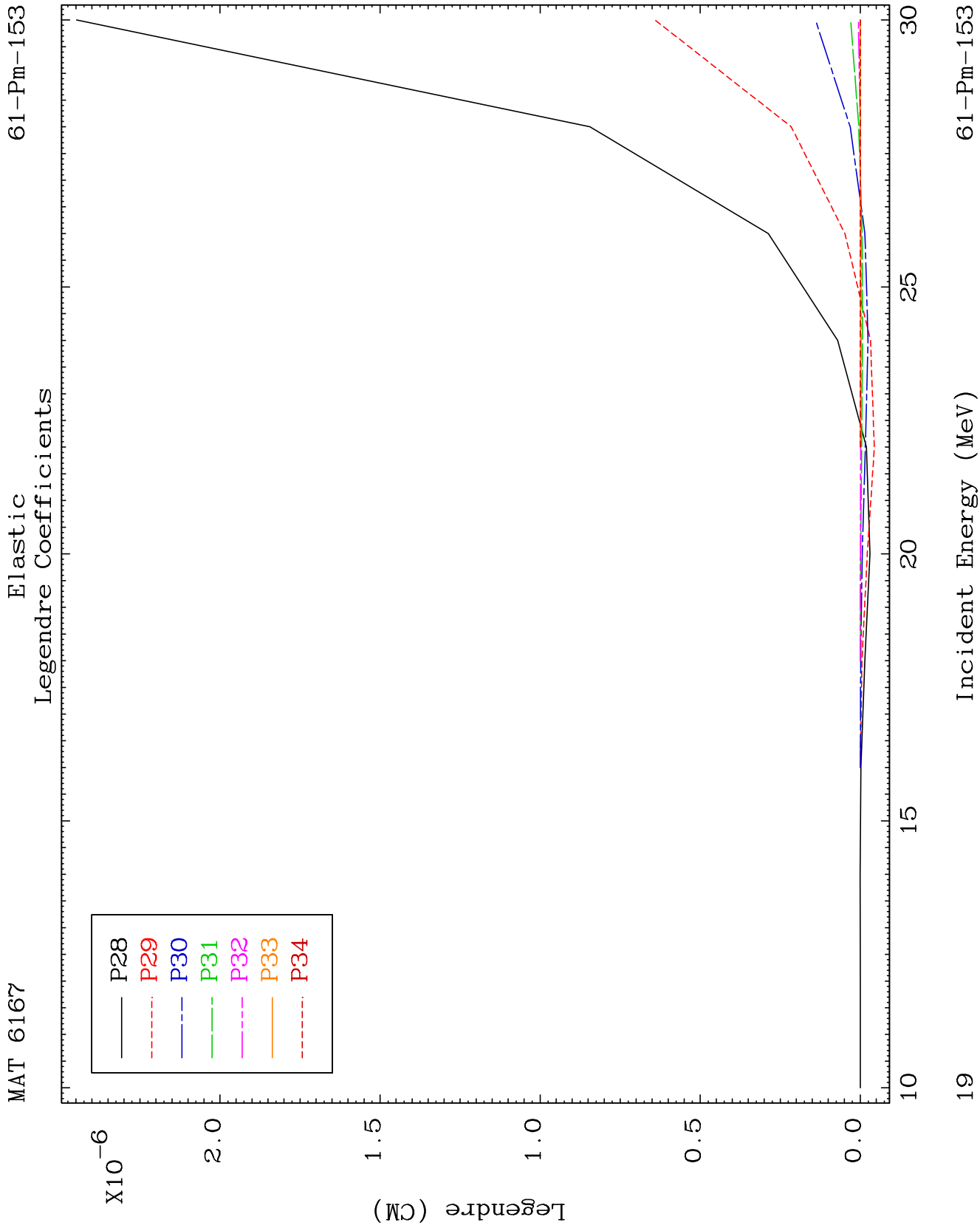


61-Pm-153

Incident Energy (MeV)



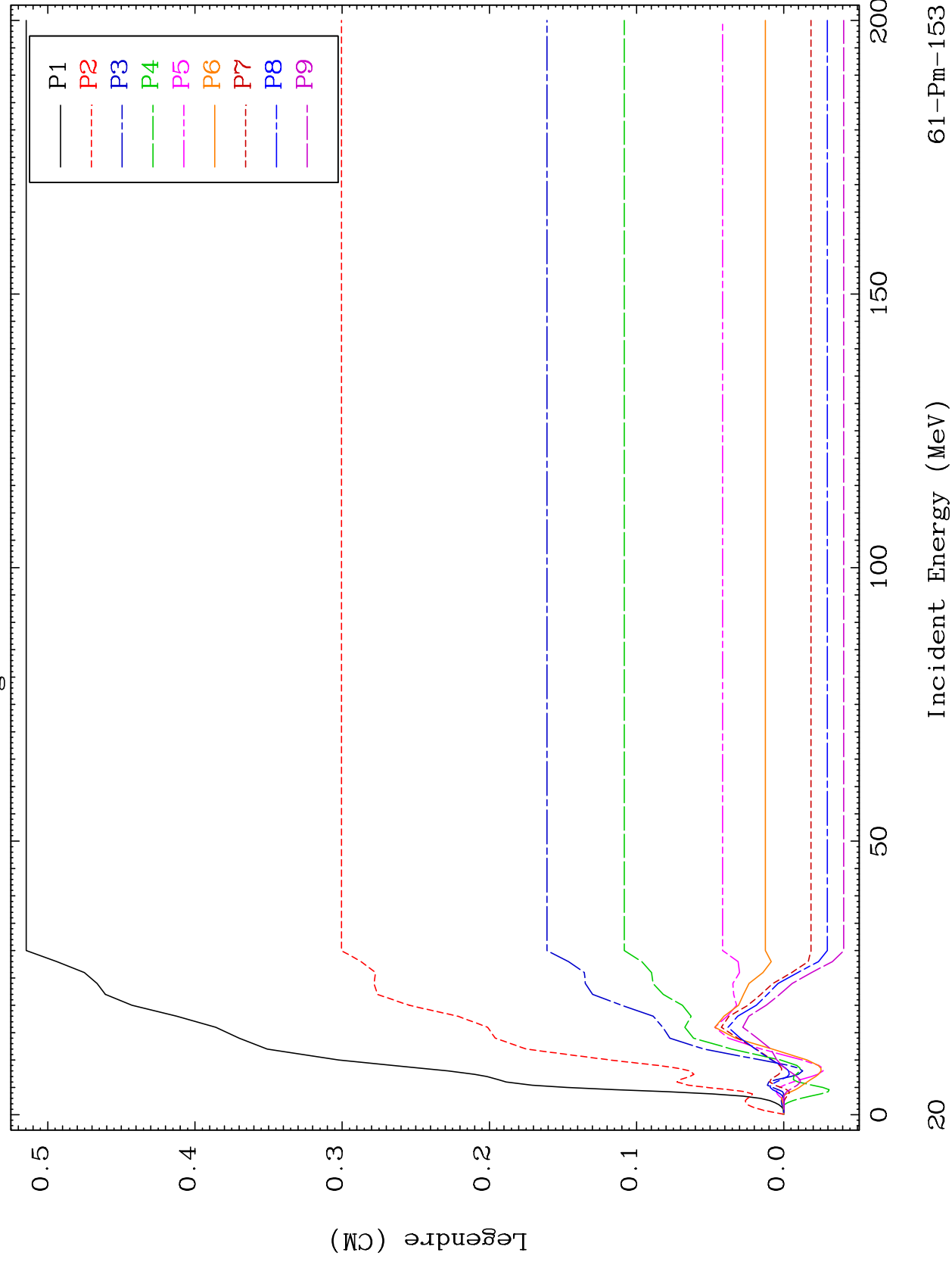




MAT 6167

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

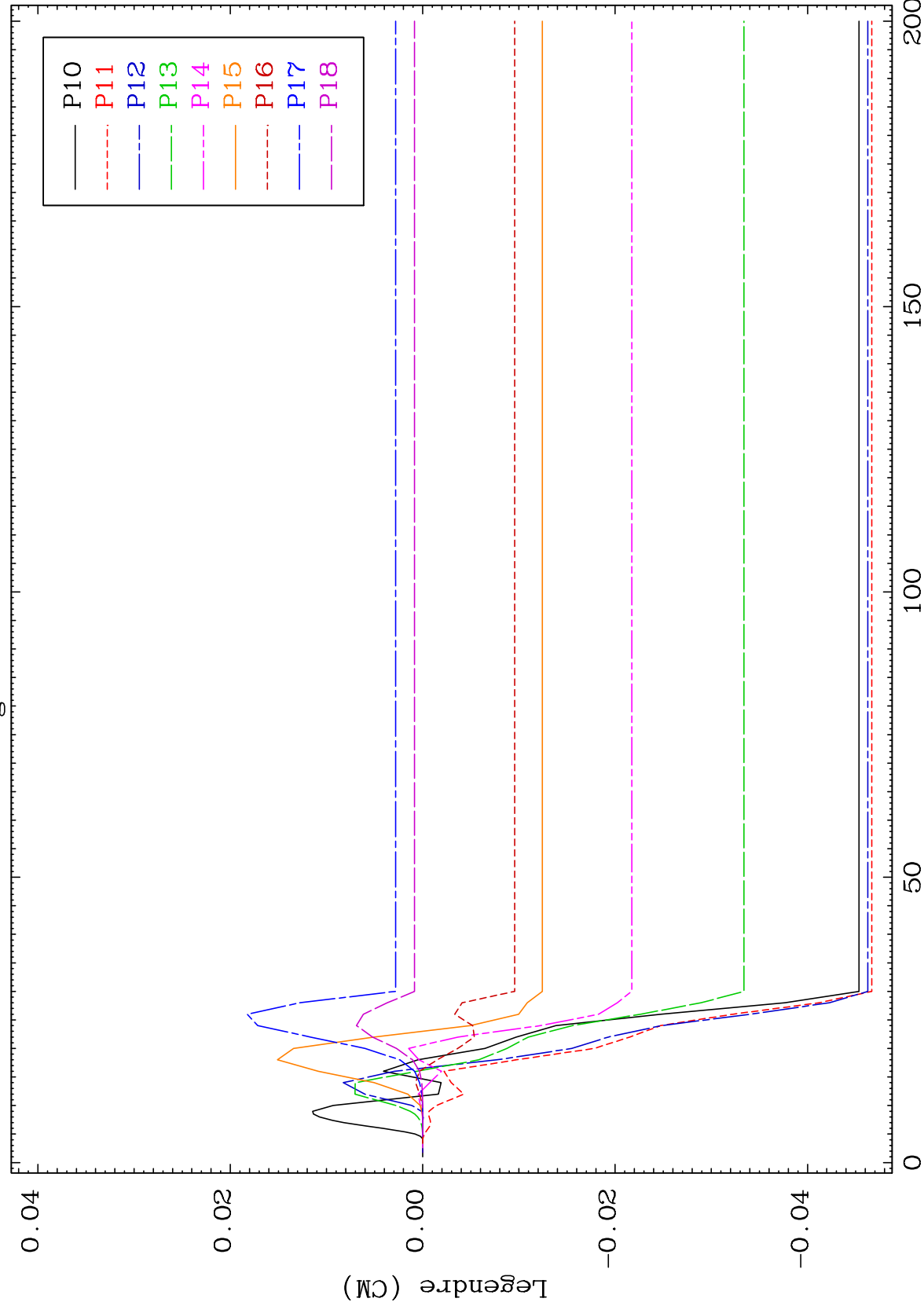
61-Pm-153



MAT 6167

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

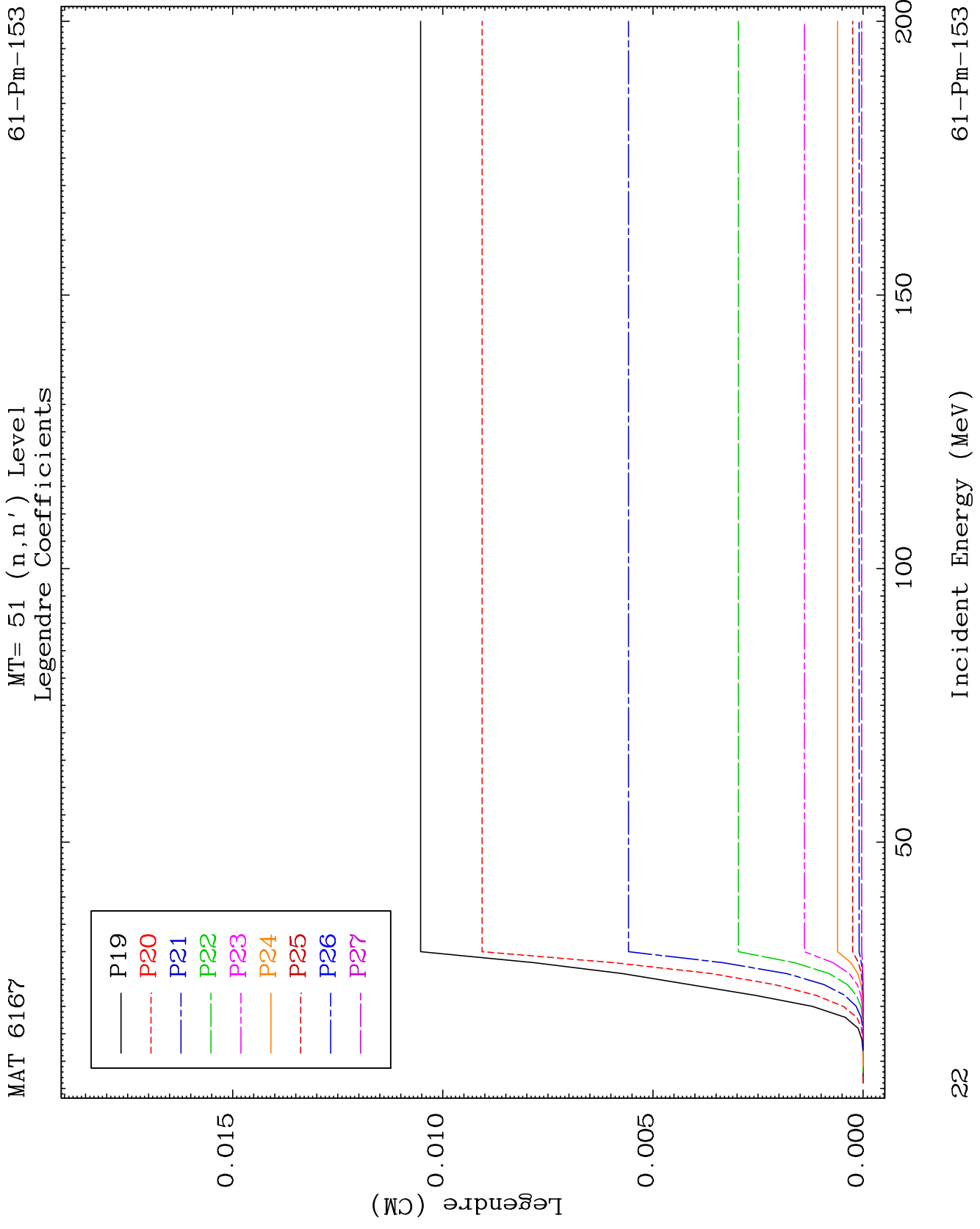
61-Pm-153

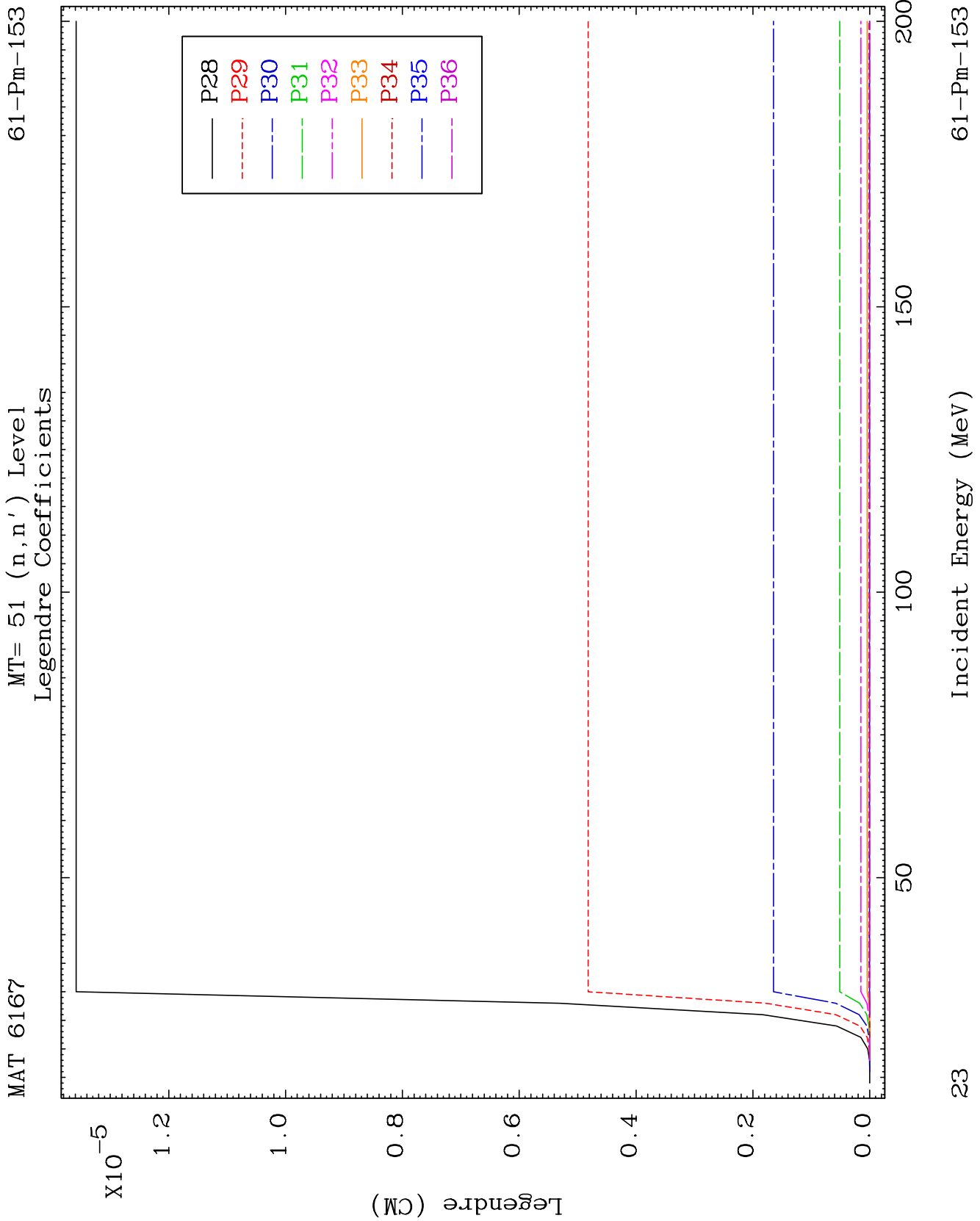


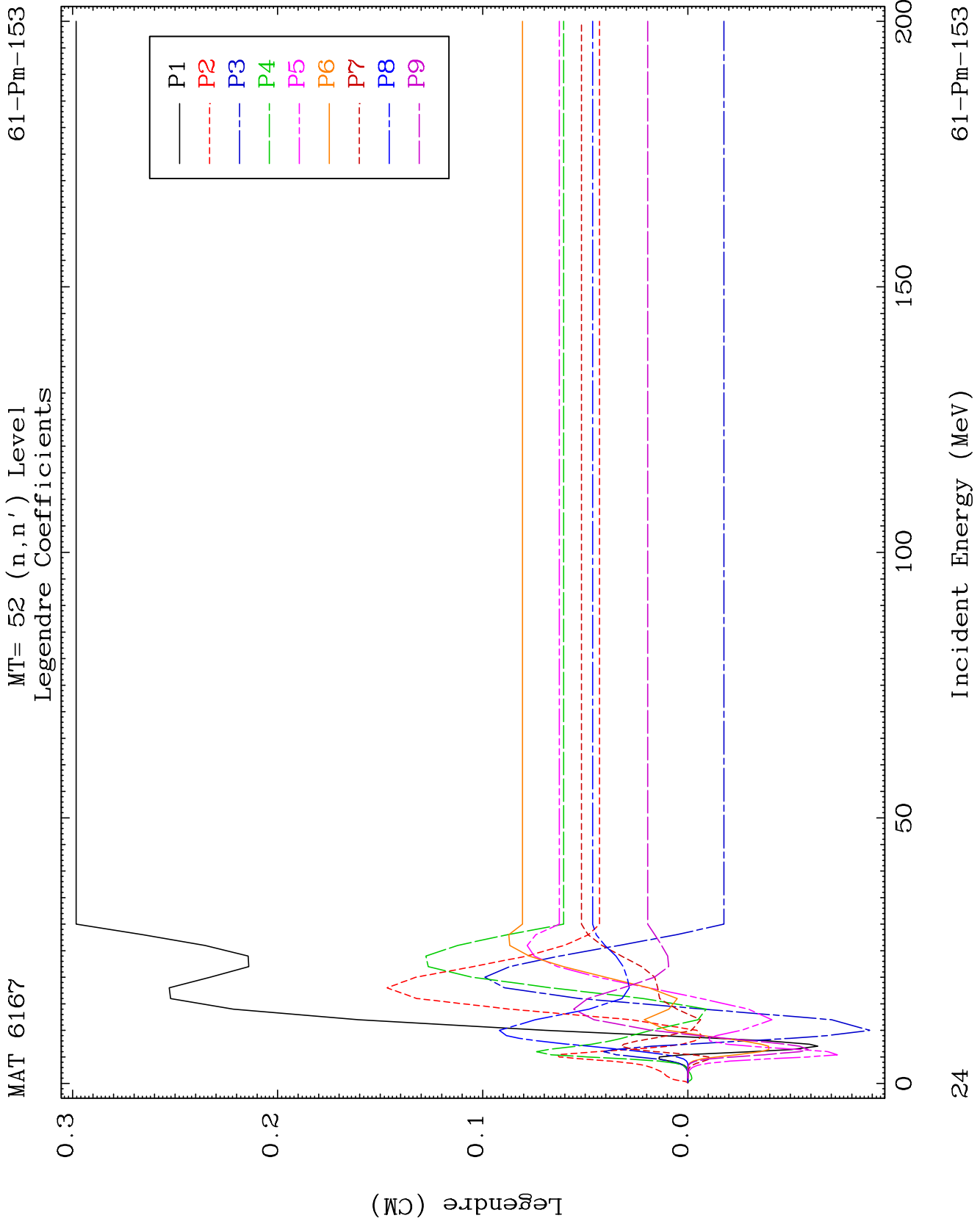
21

Incident Energy (MeV)

61-Pm-153



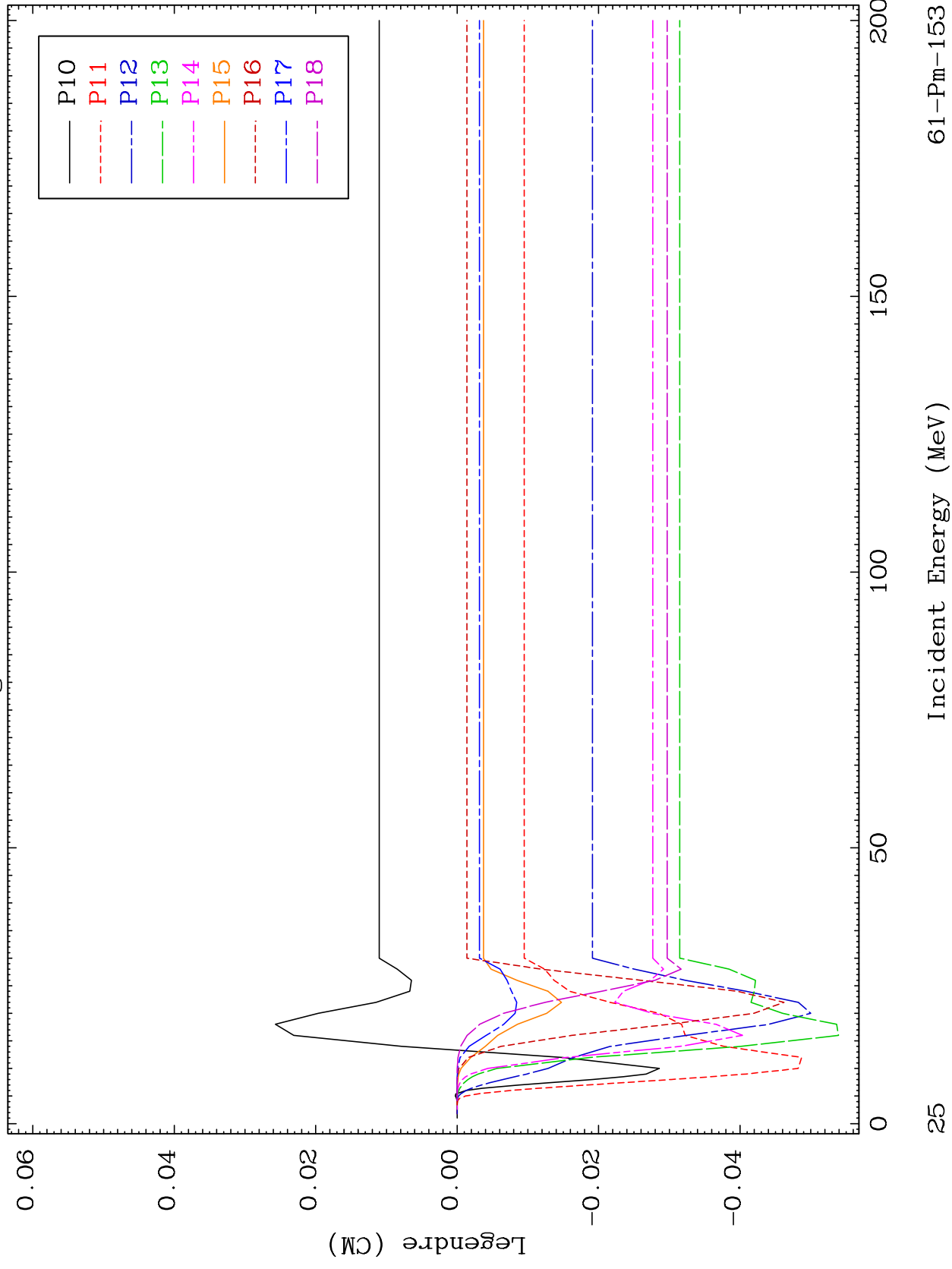


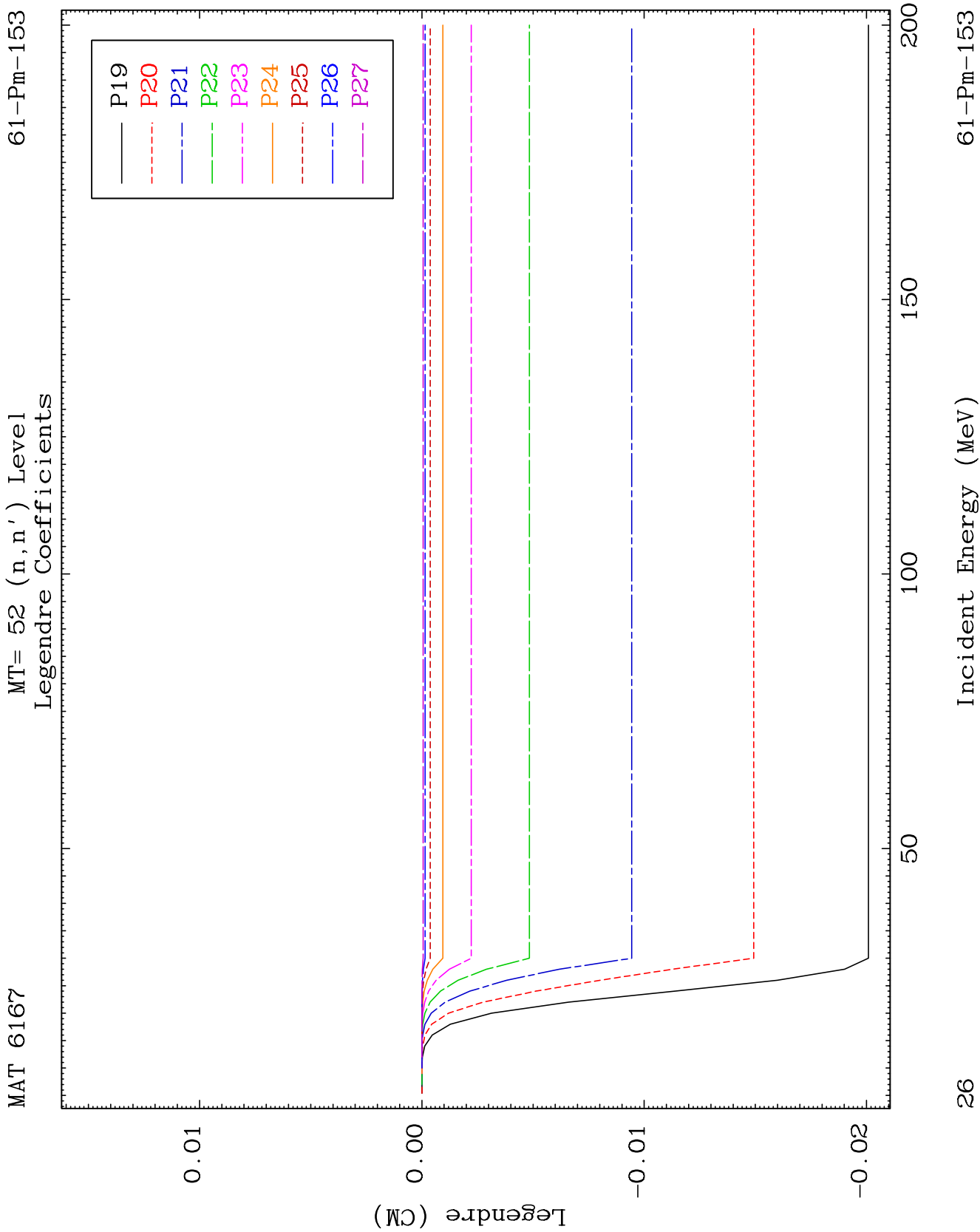


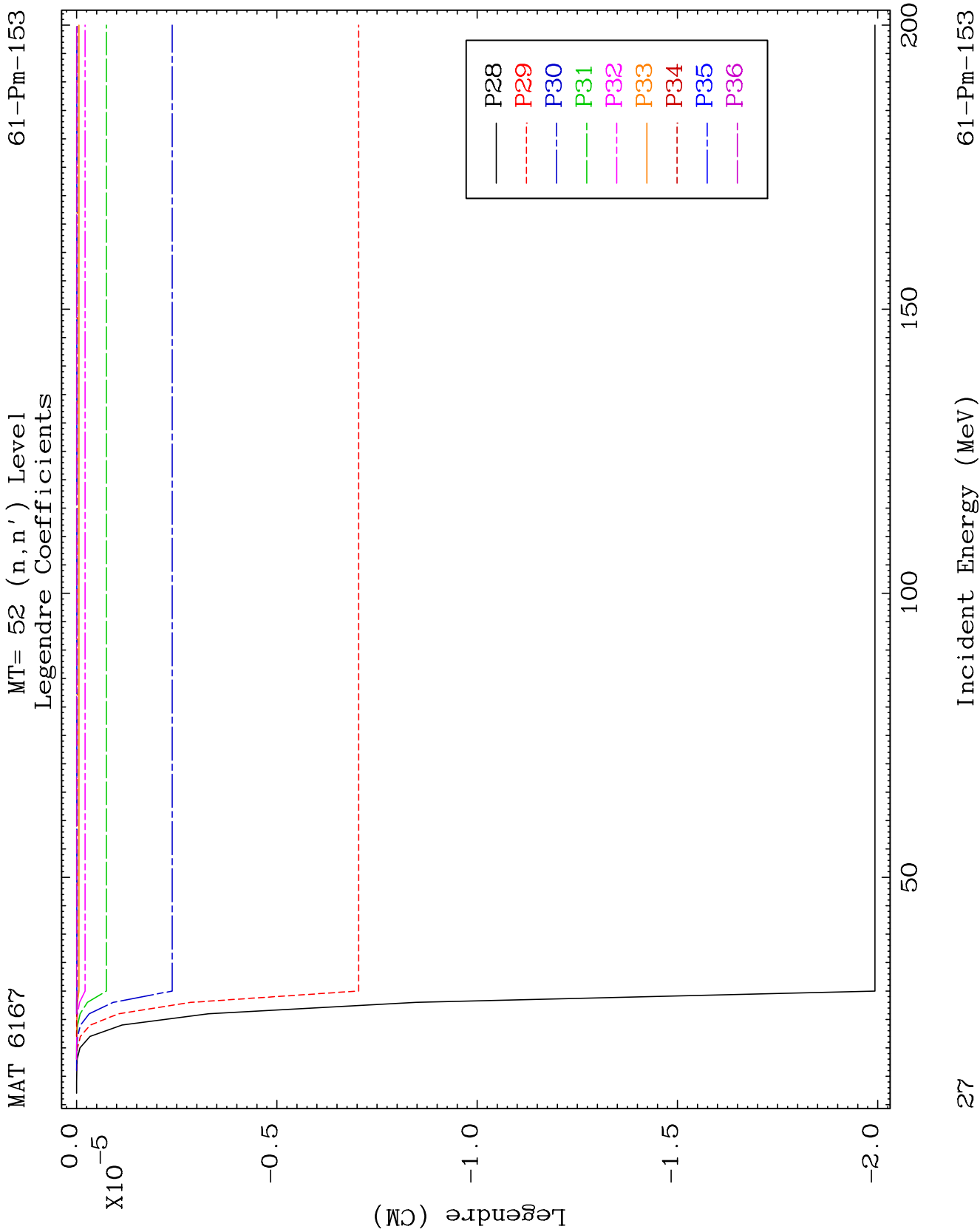
MAT 6167

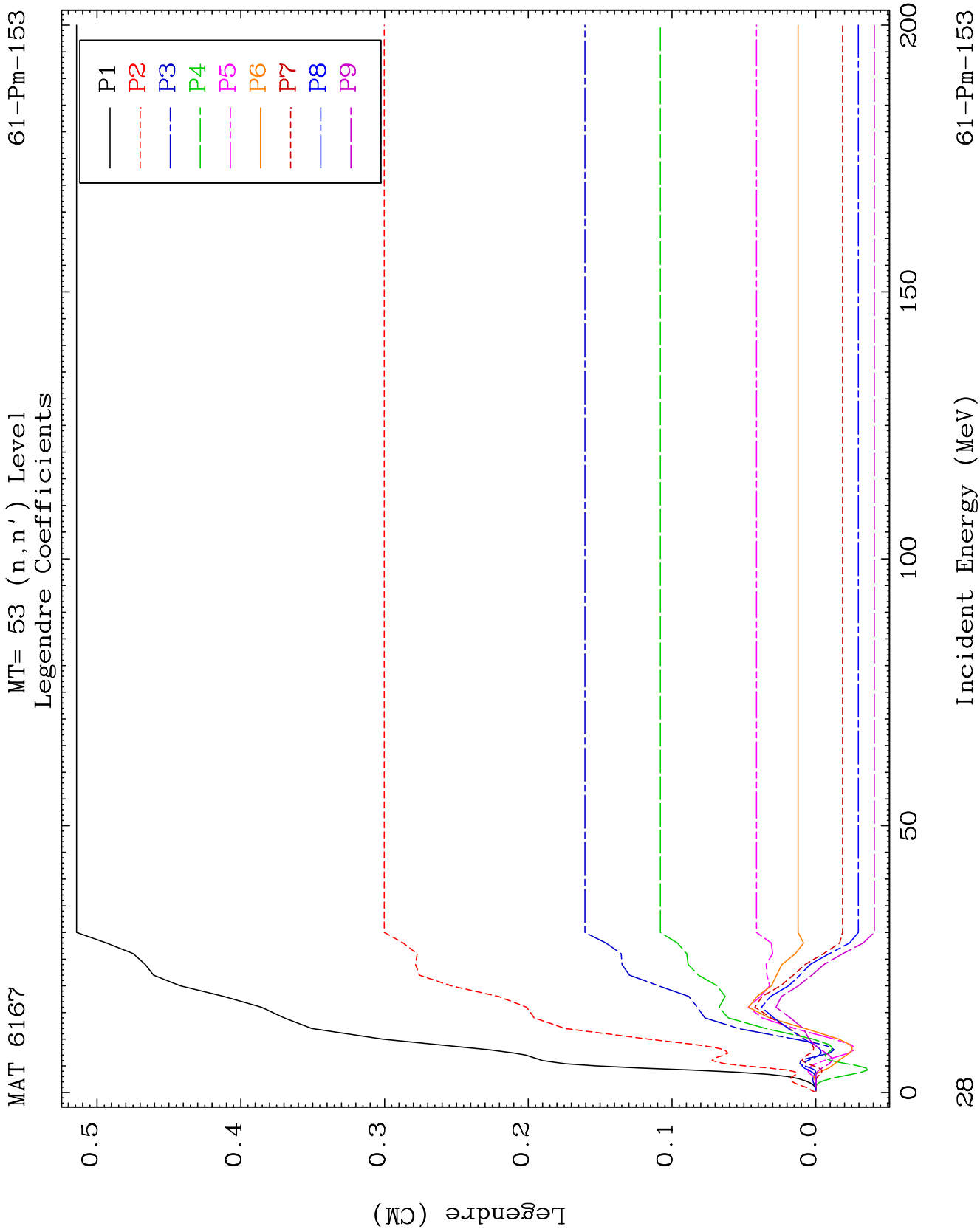
MT= 52 (n, n') Level
Legendre Coefficients

61-Pm-153





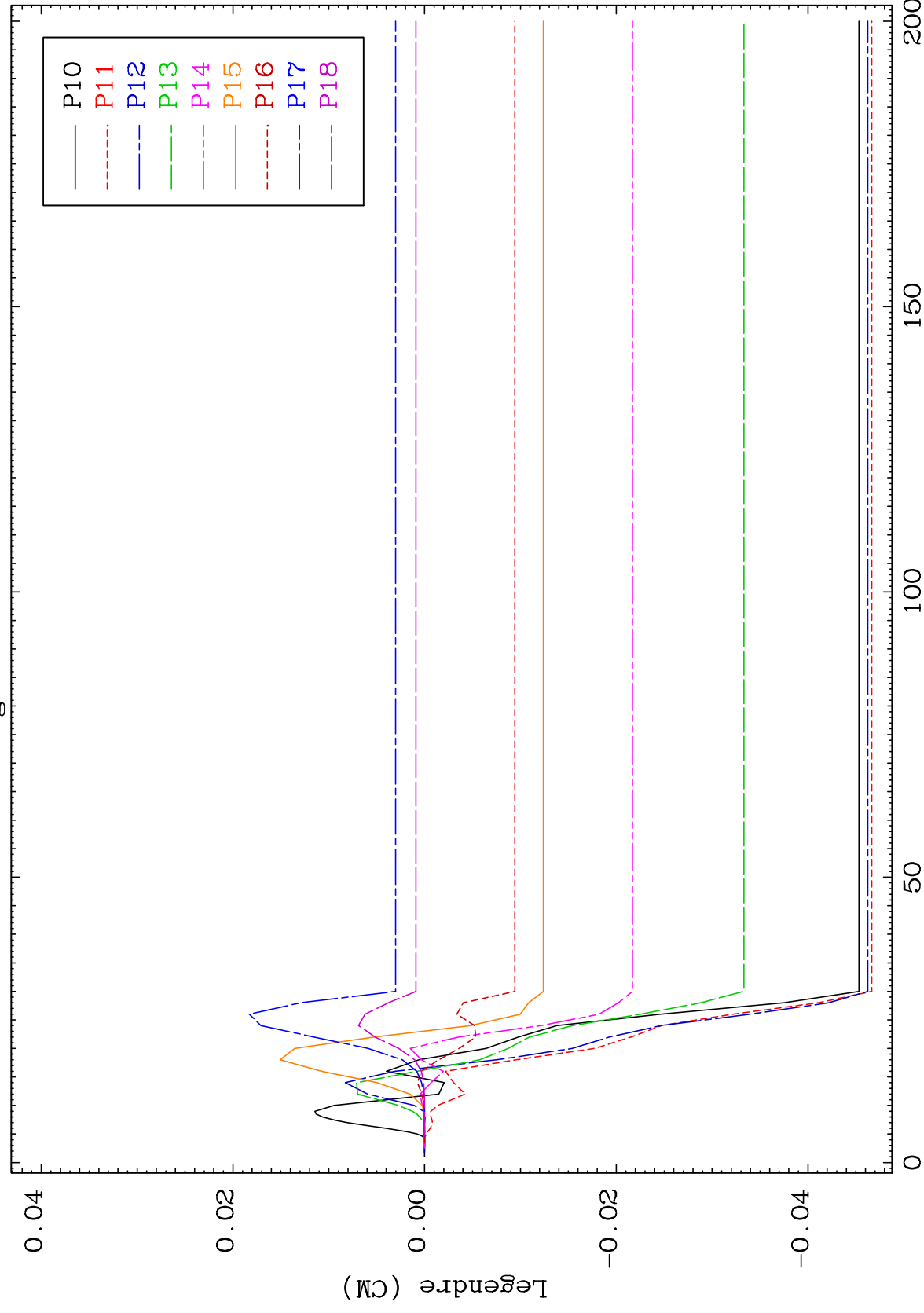




MAT 6167

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

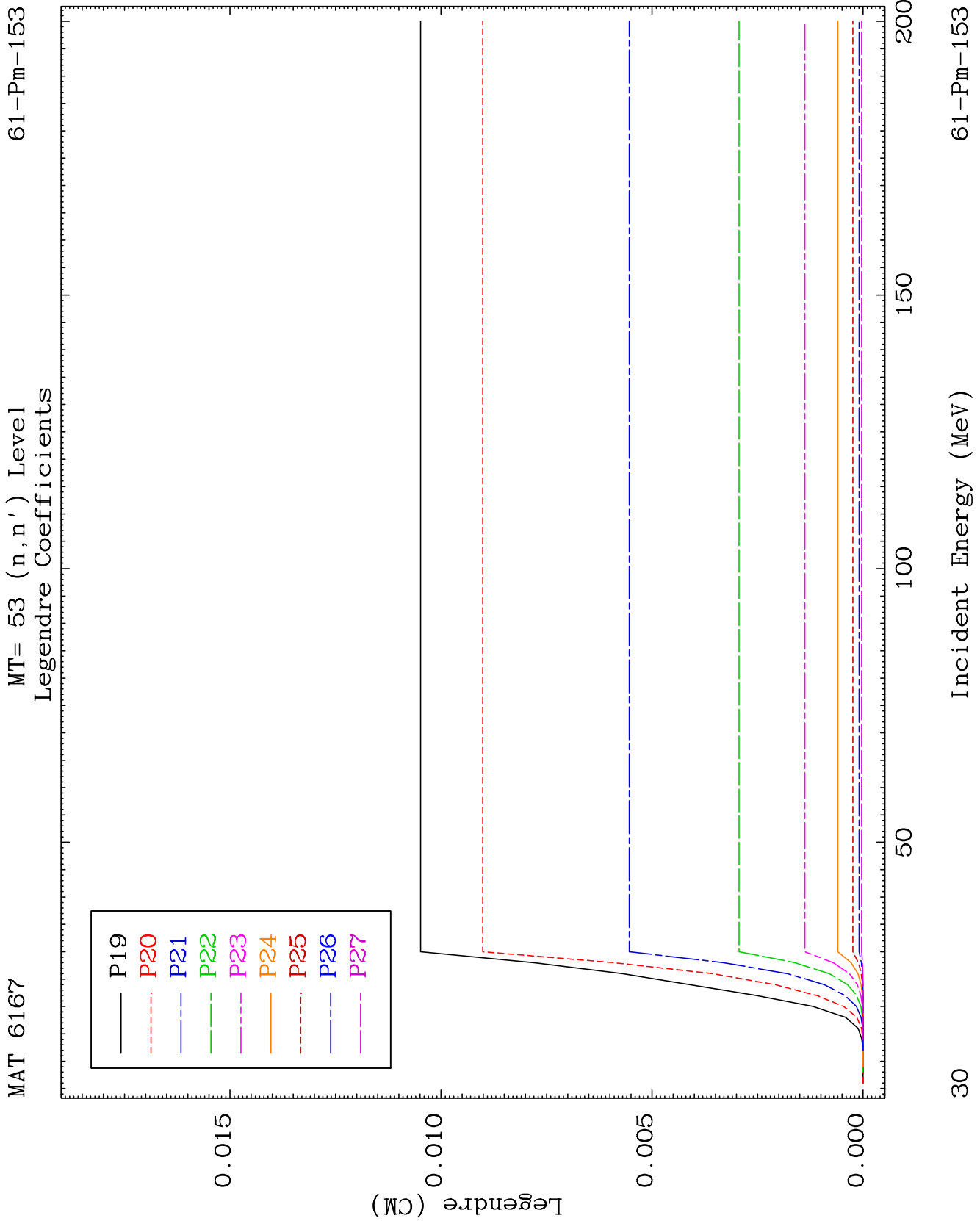
61-Pm-153



29

Incident Energy (MeV)

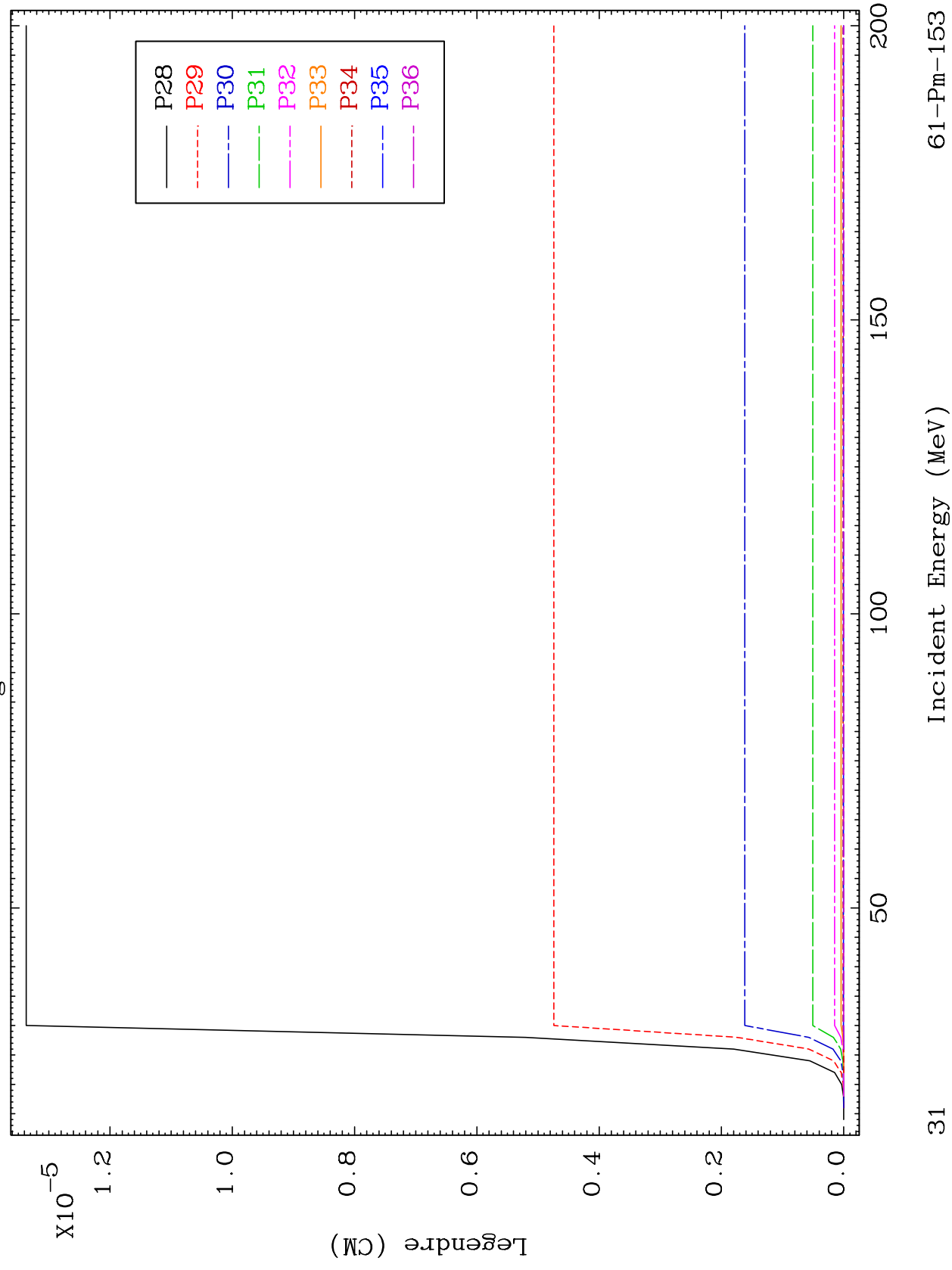
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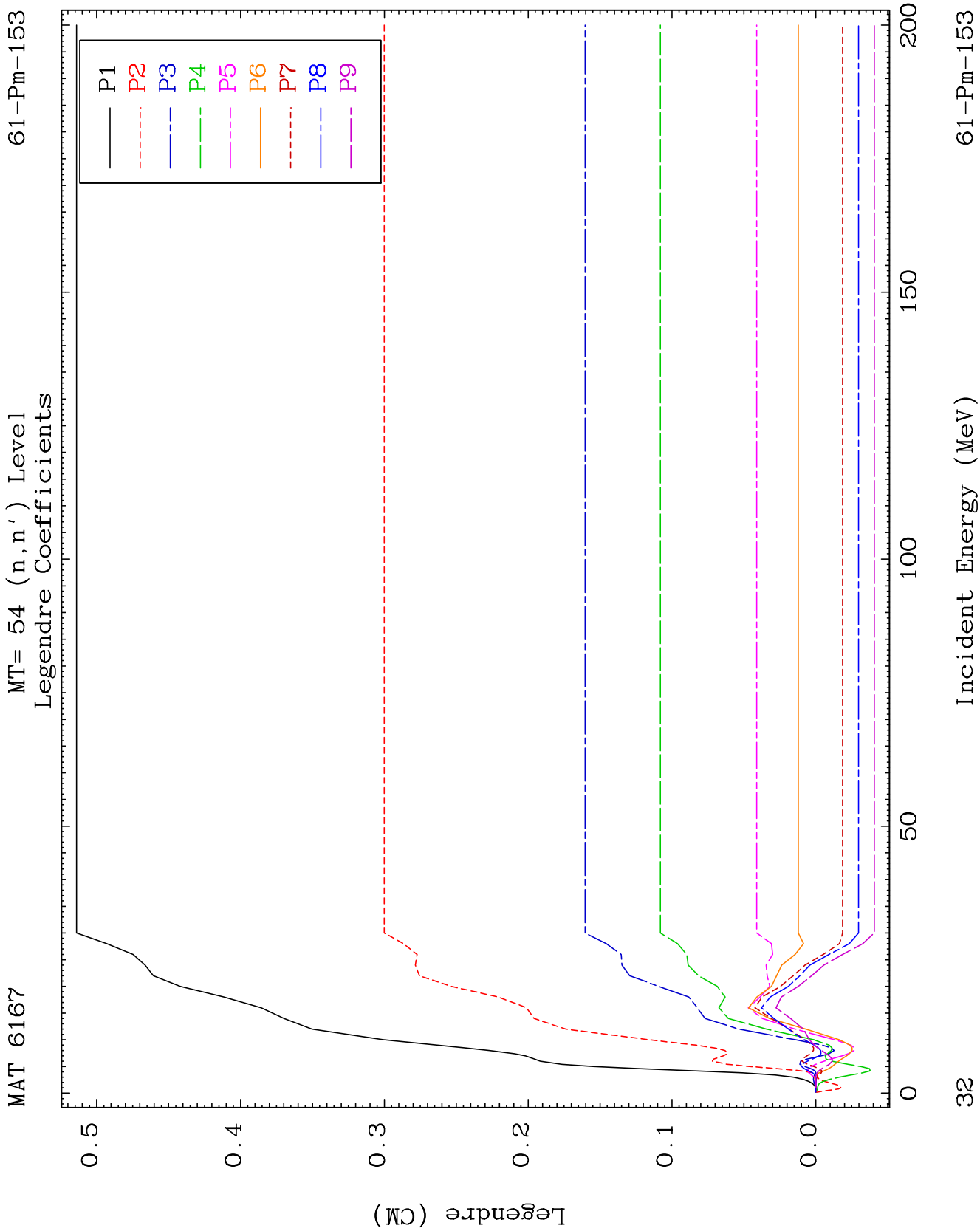


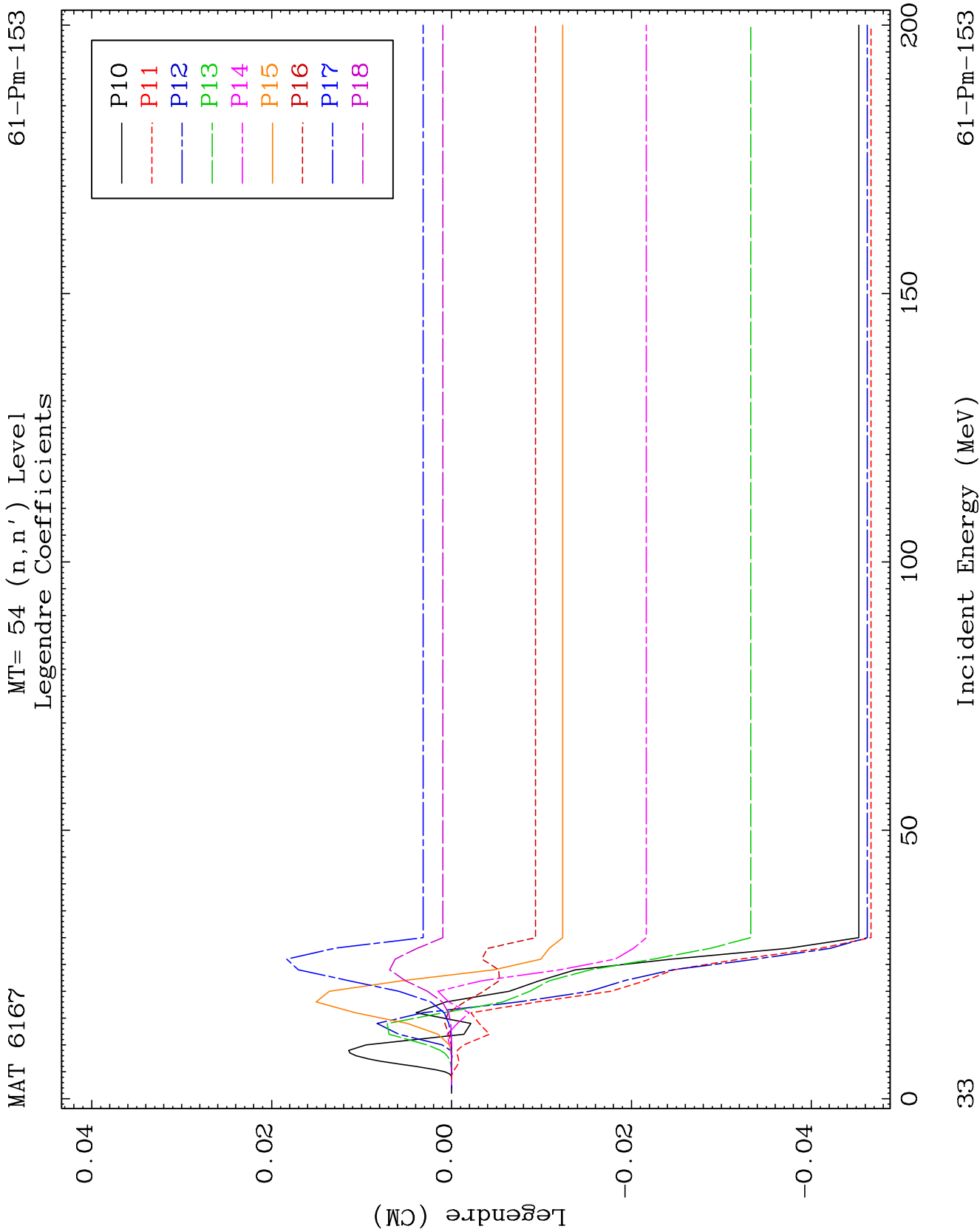
MAT 6167

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

61-Pm-153



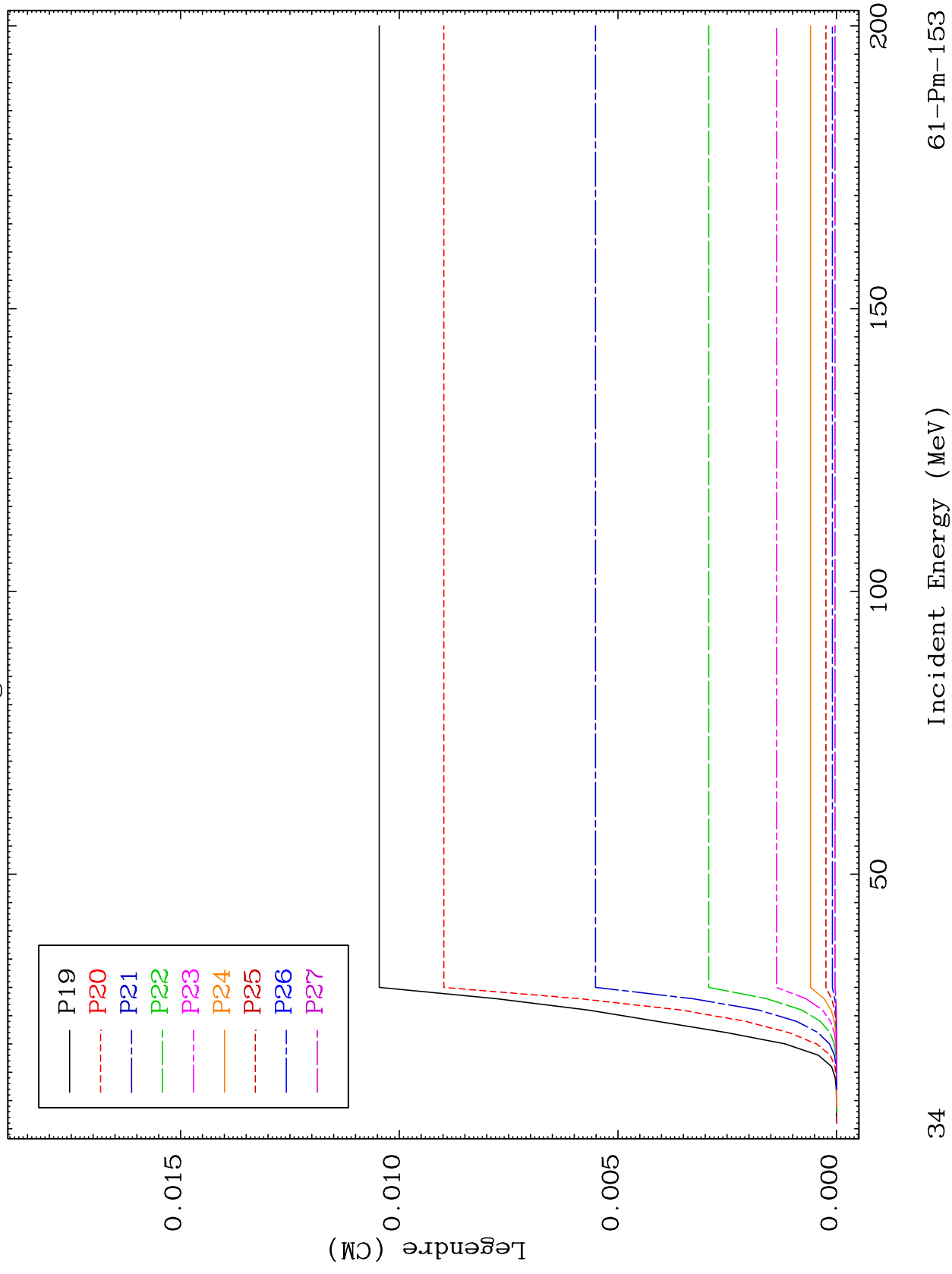


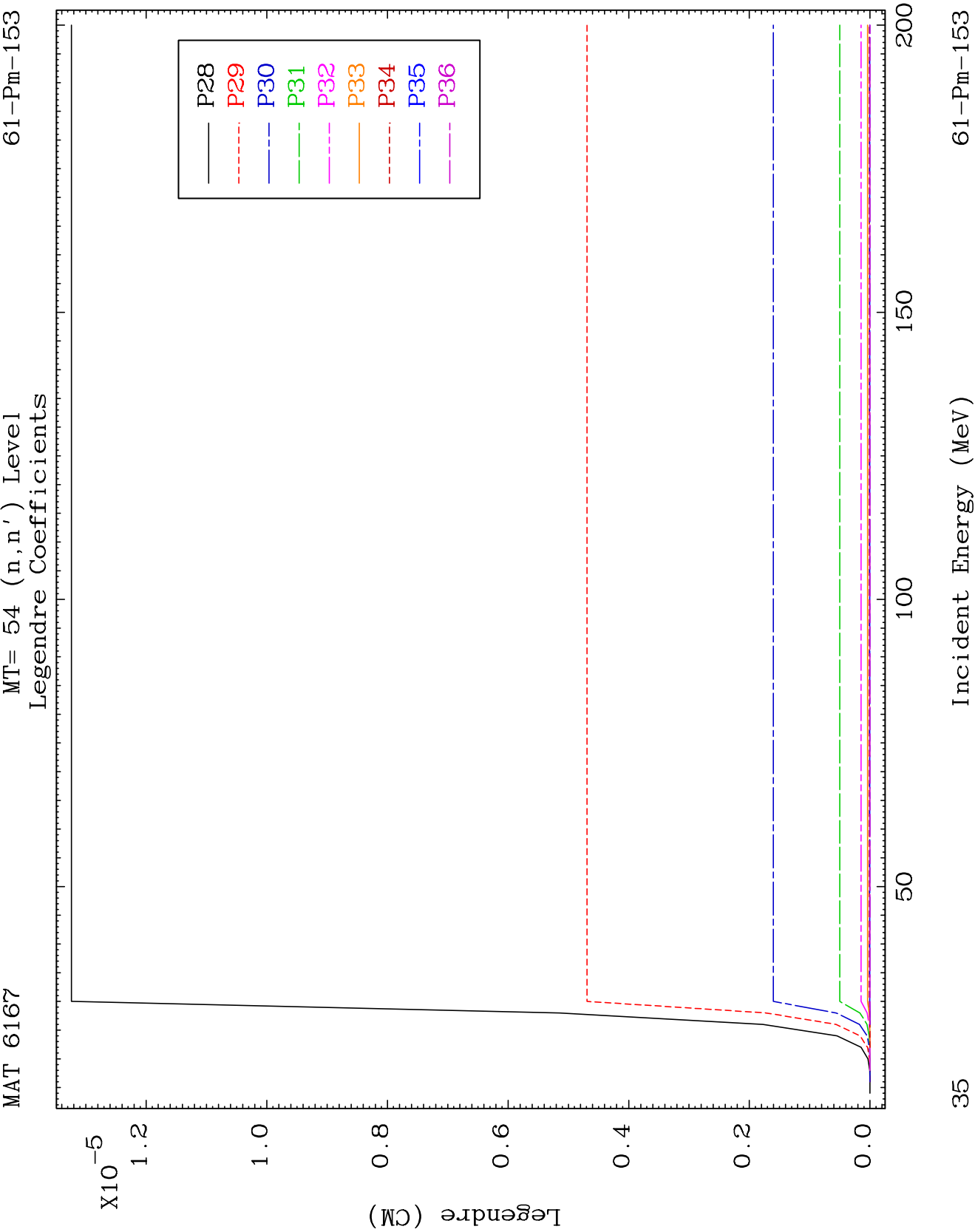


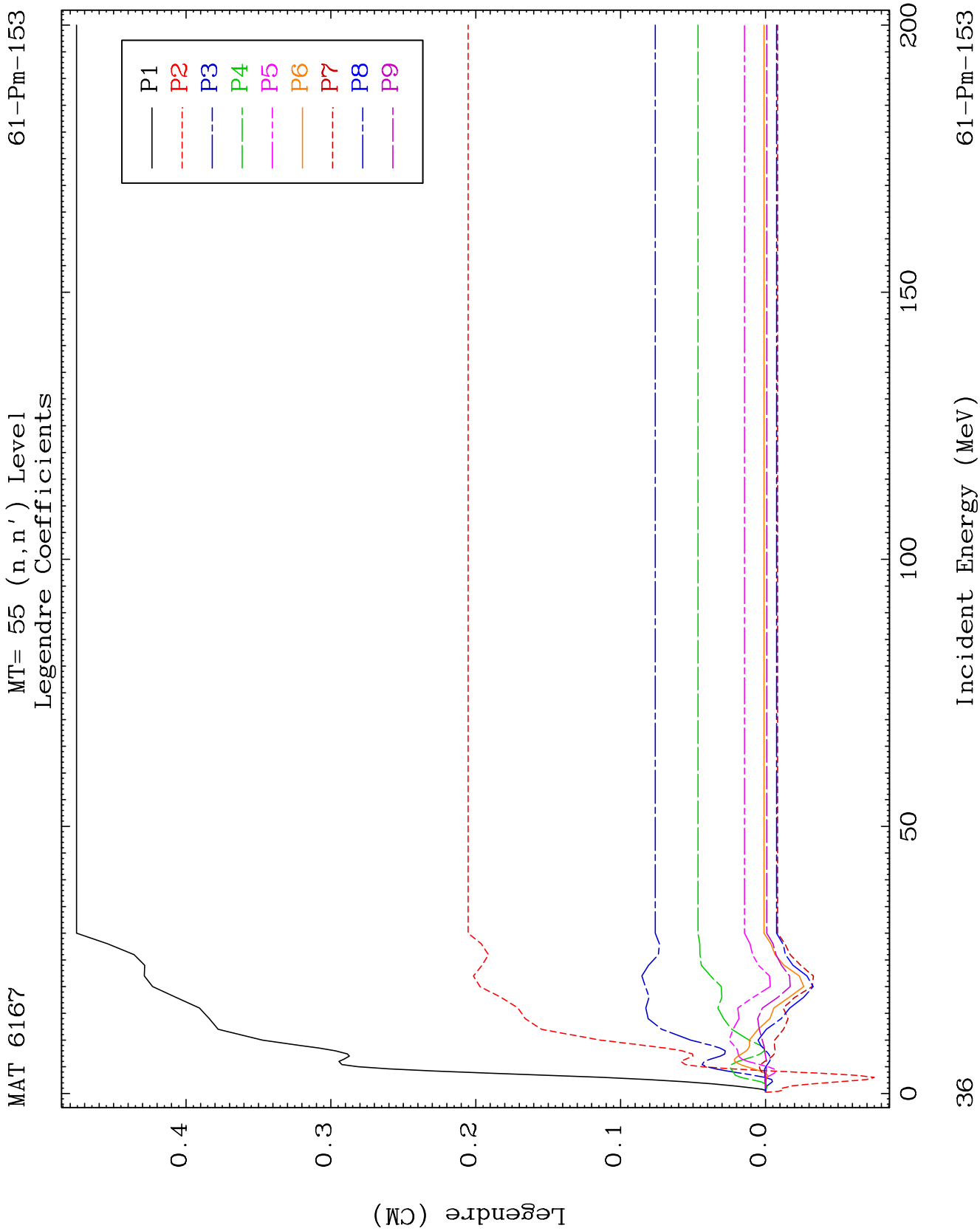
MAT 6167

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

61-Pm-153



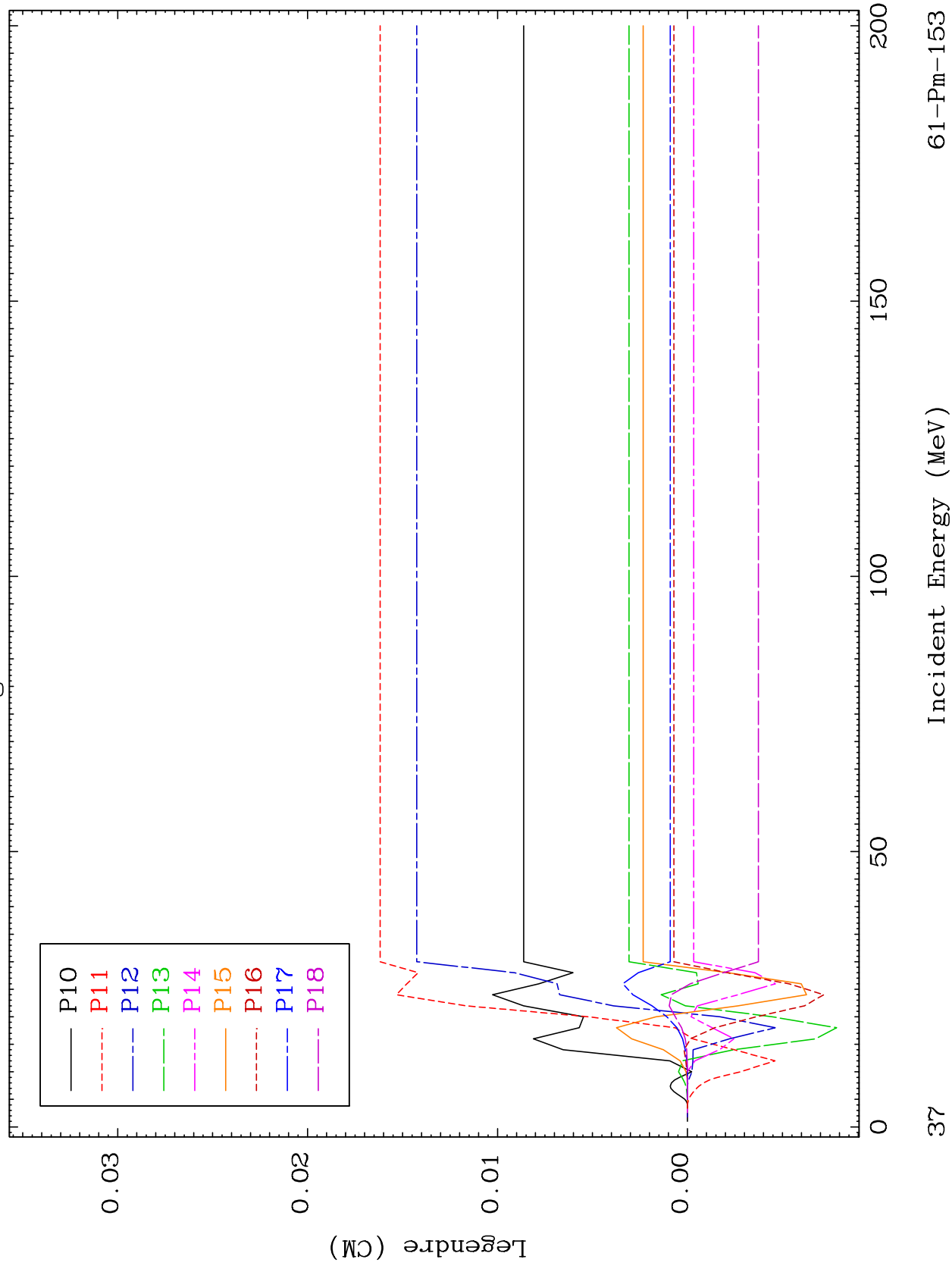


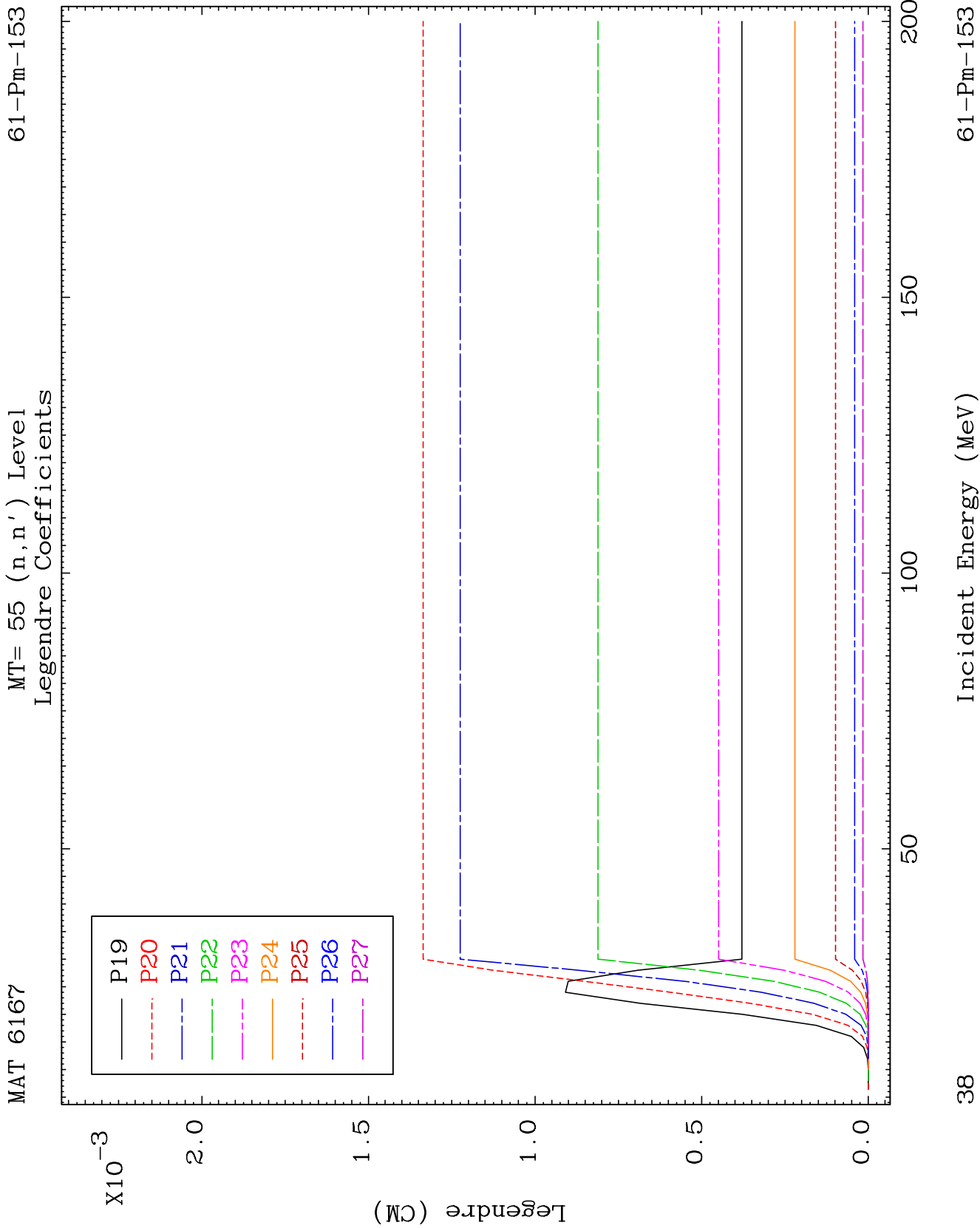


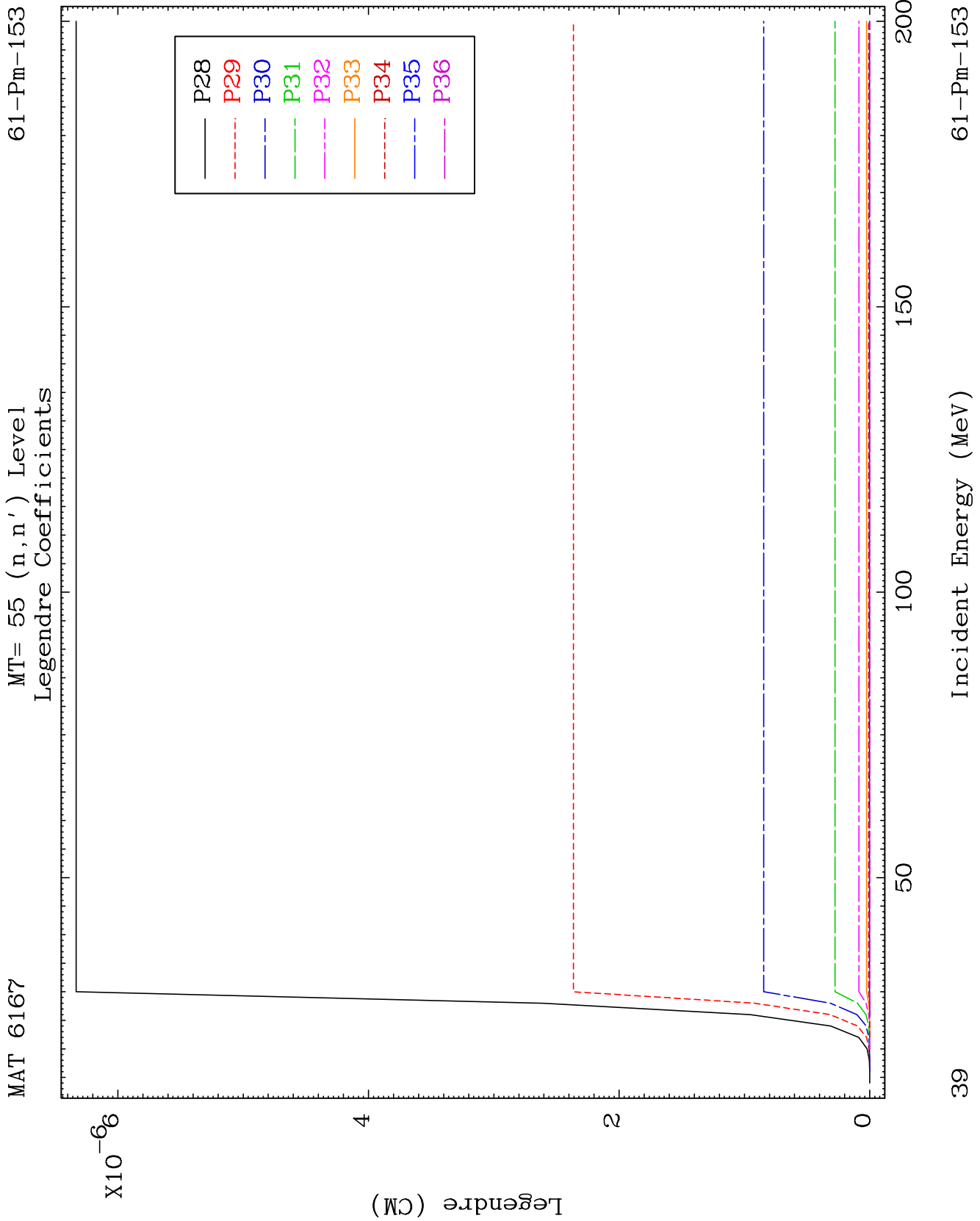
MAT 6167

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

61-Pm-153



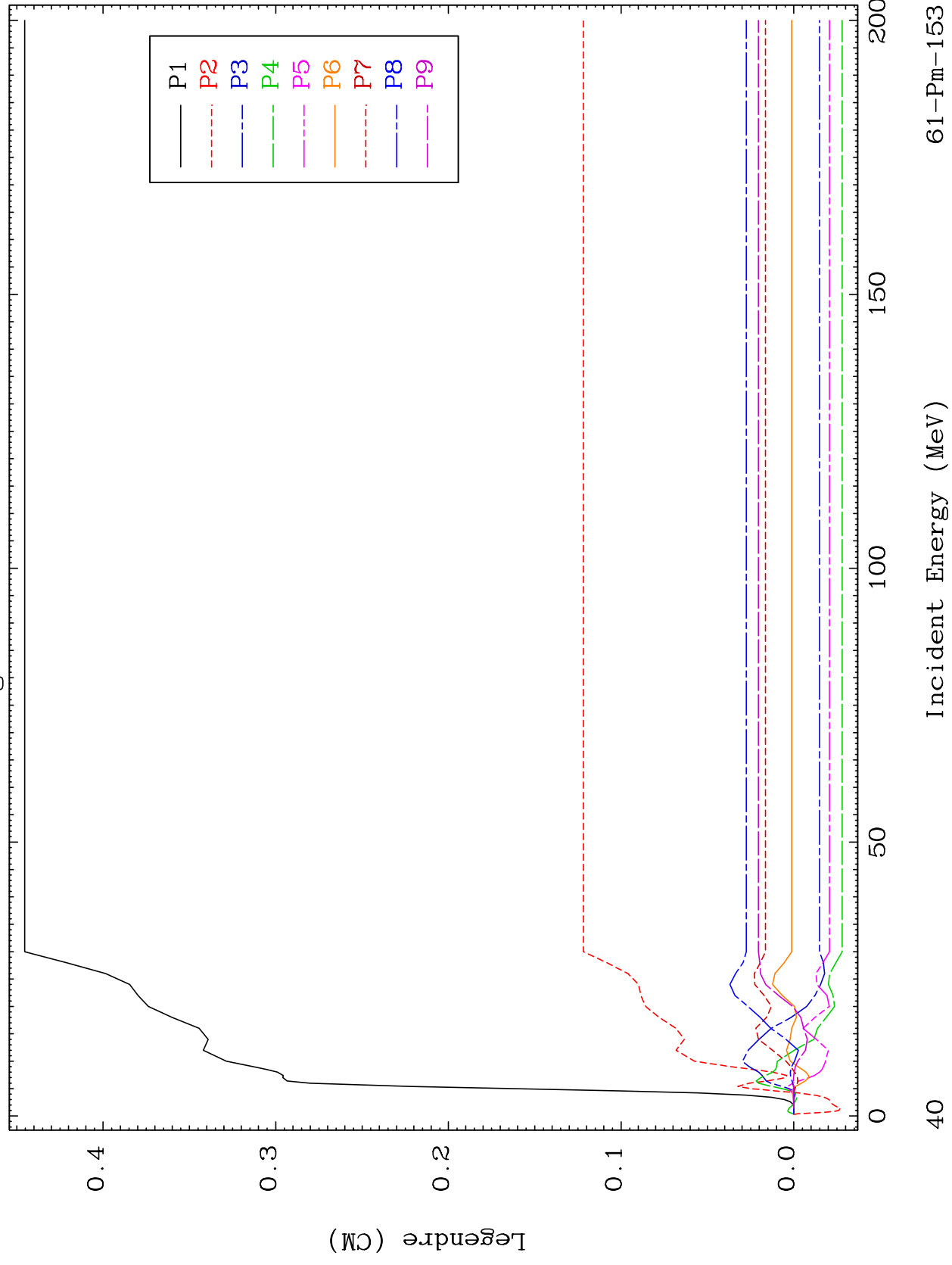


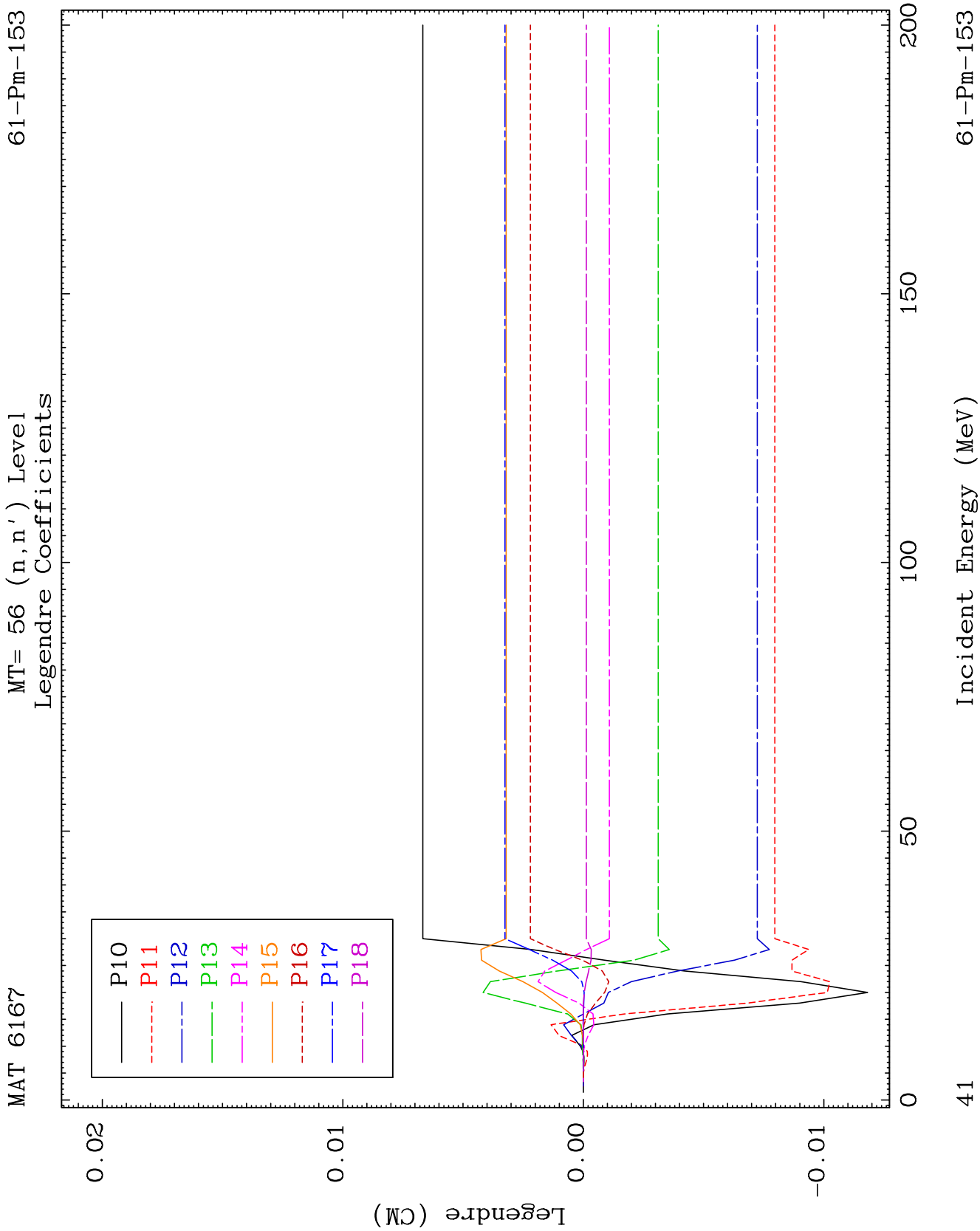


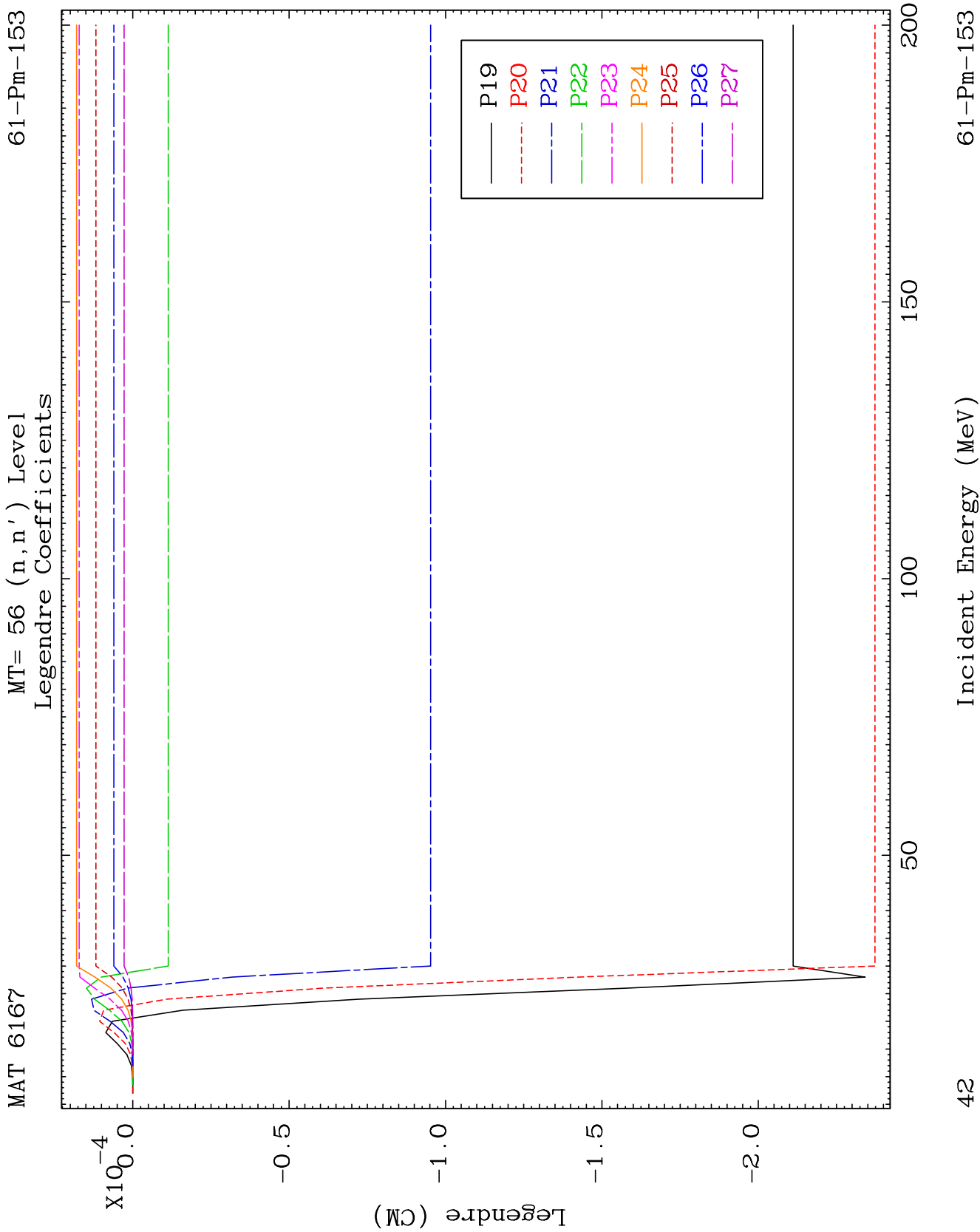
MAT 6167

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

61-Pm-153



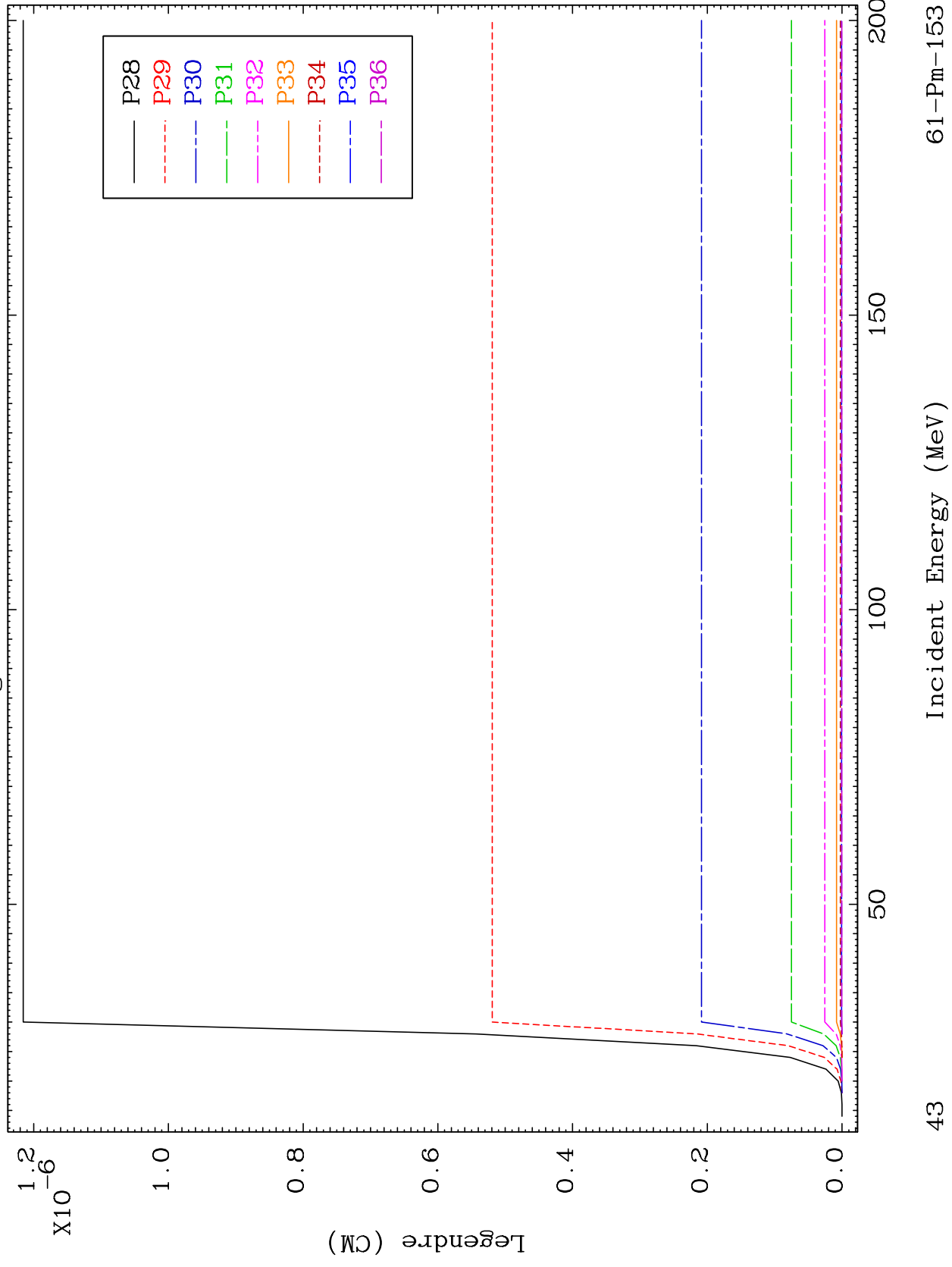


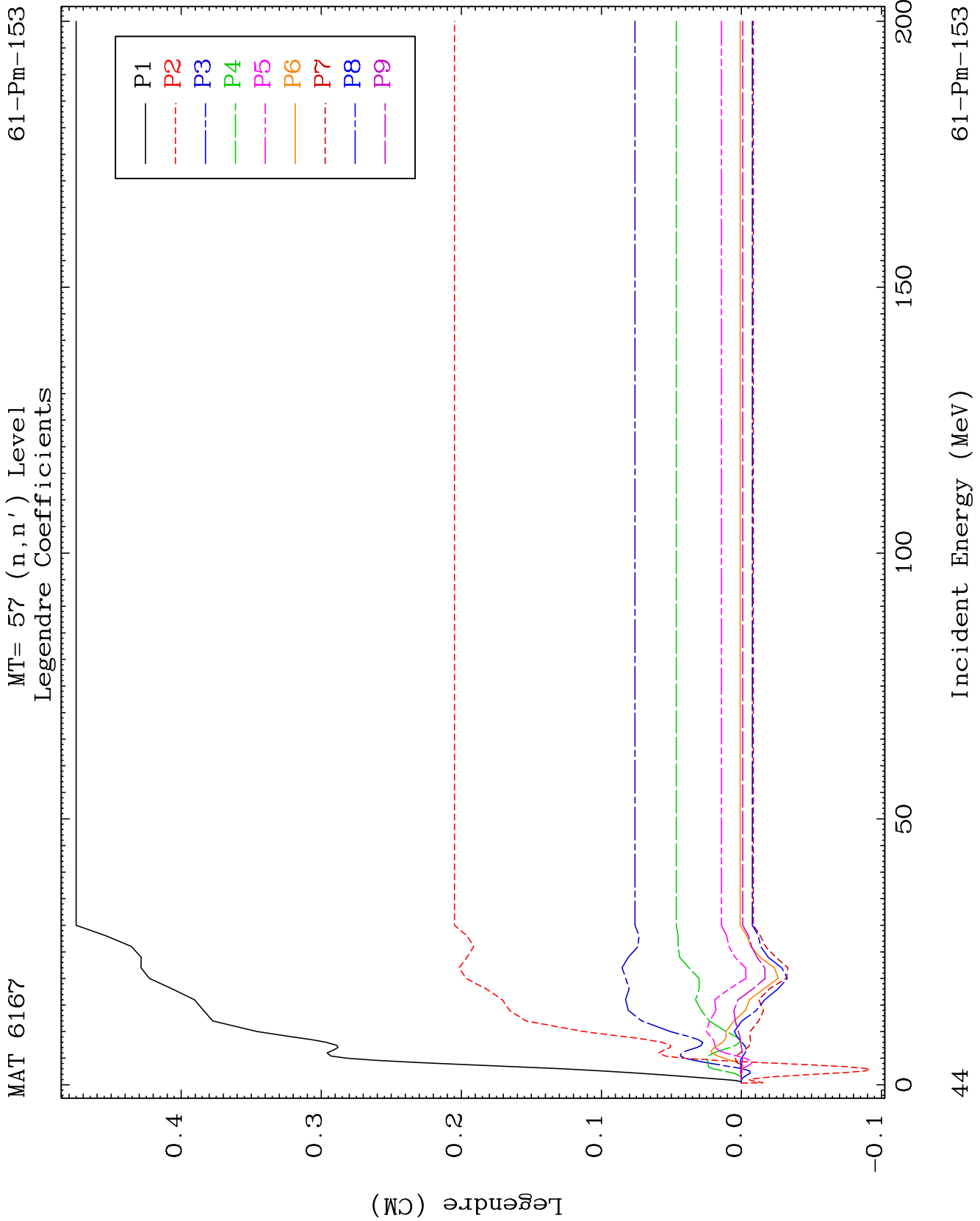


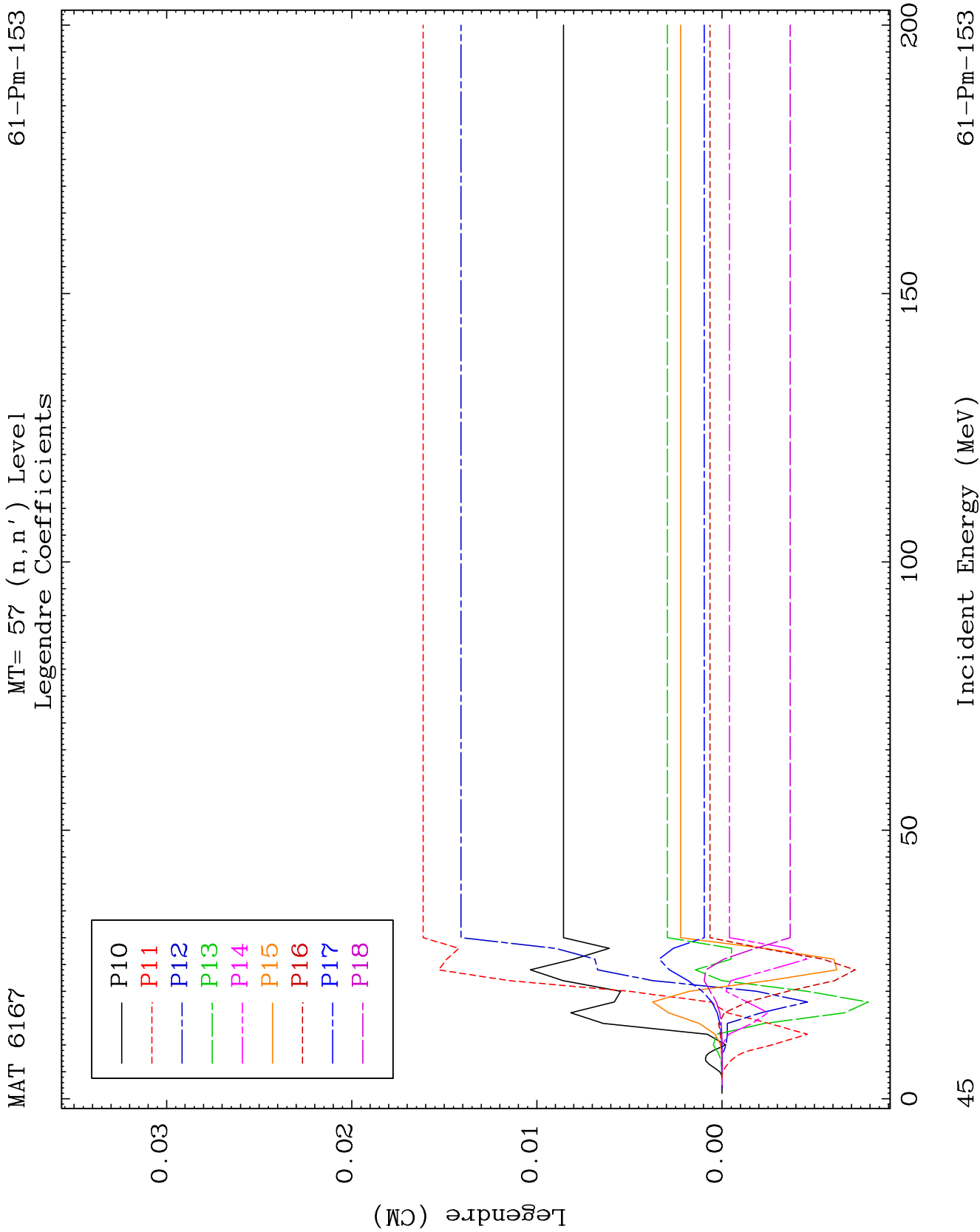
MAT 6167

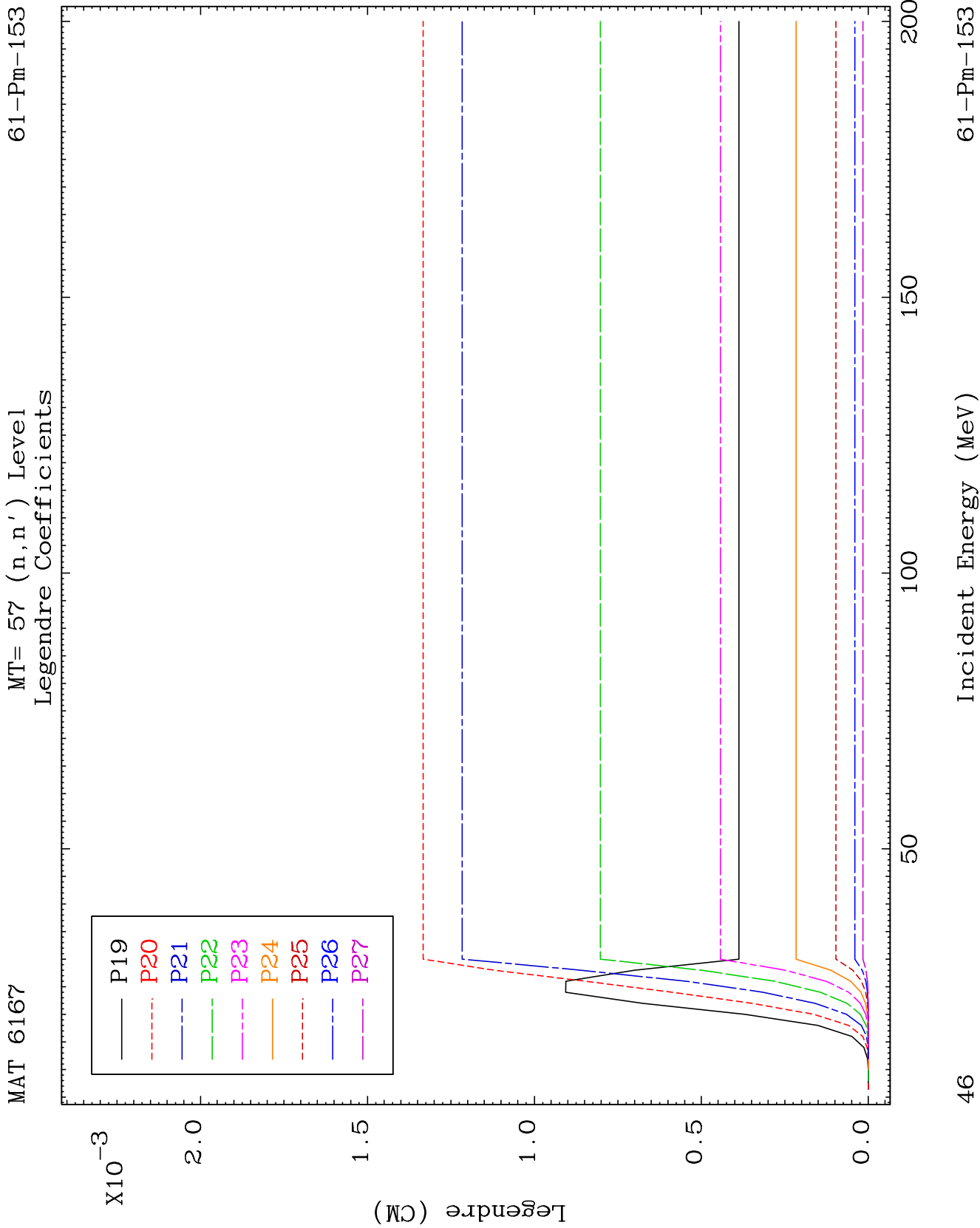
MT= 56 (n, n') Level
Legendre Coefficients

61-Pm-153





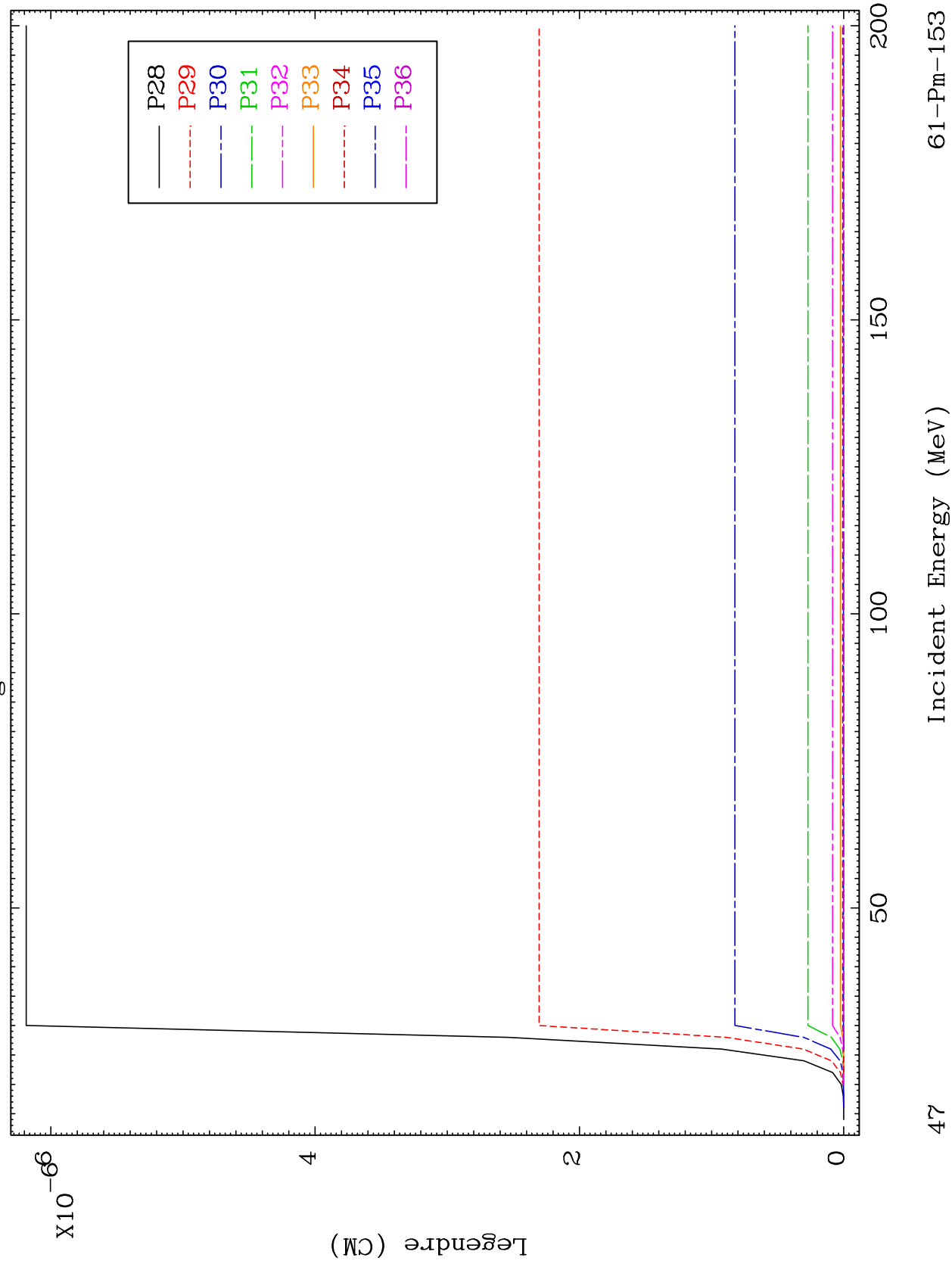


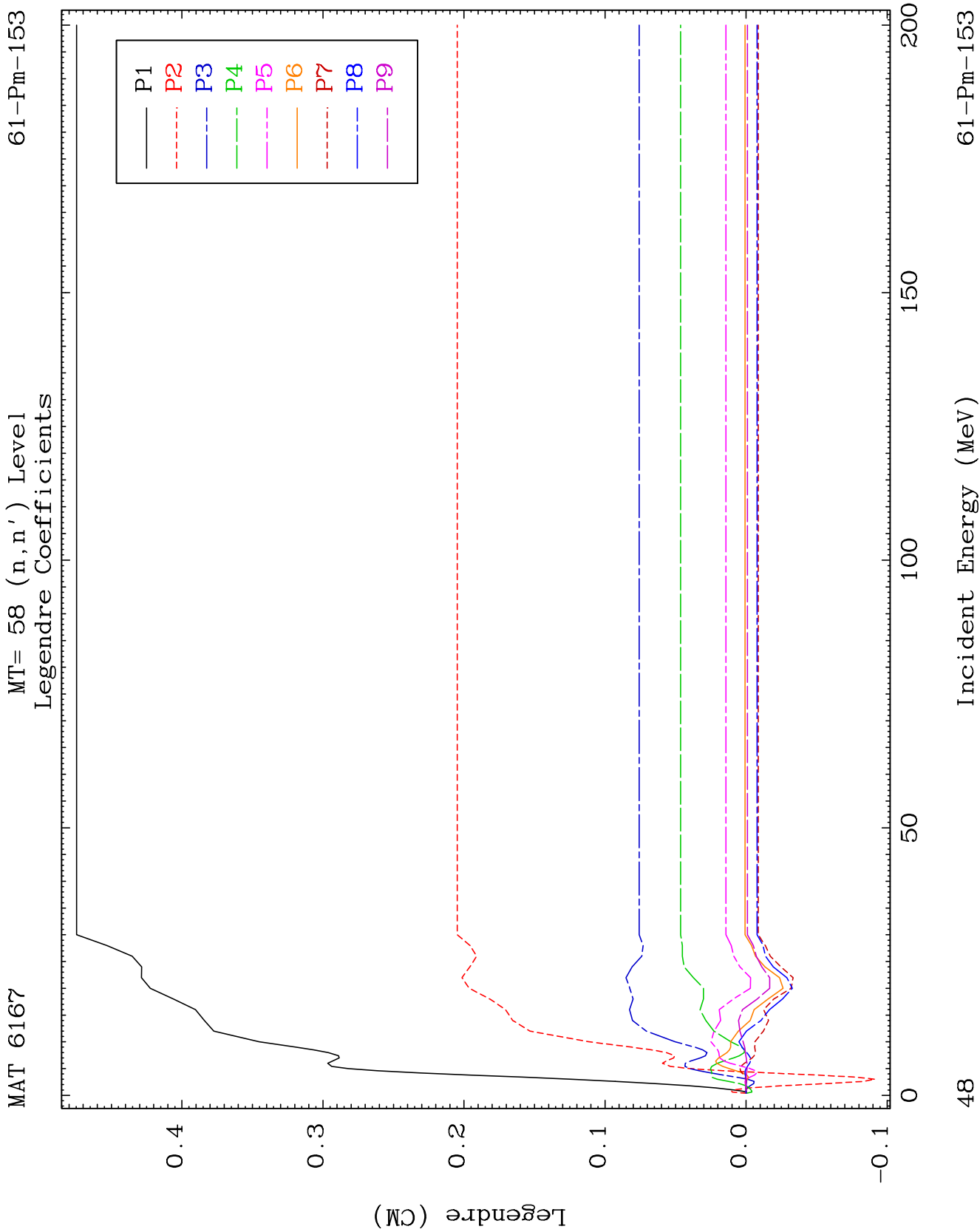


MAT 6167

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

61-Pm-153

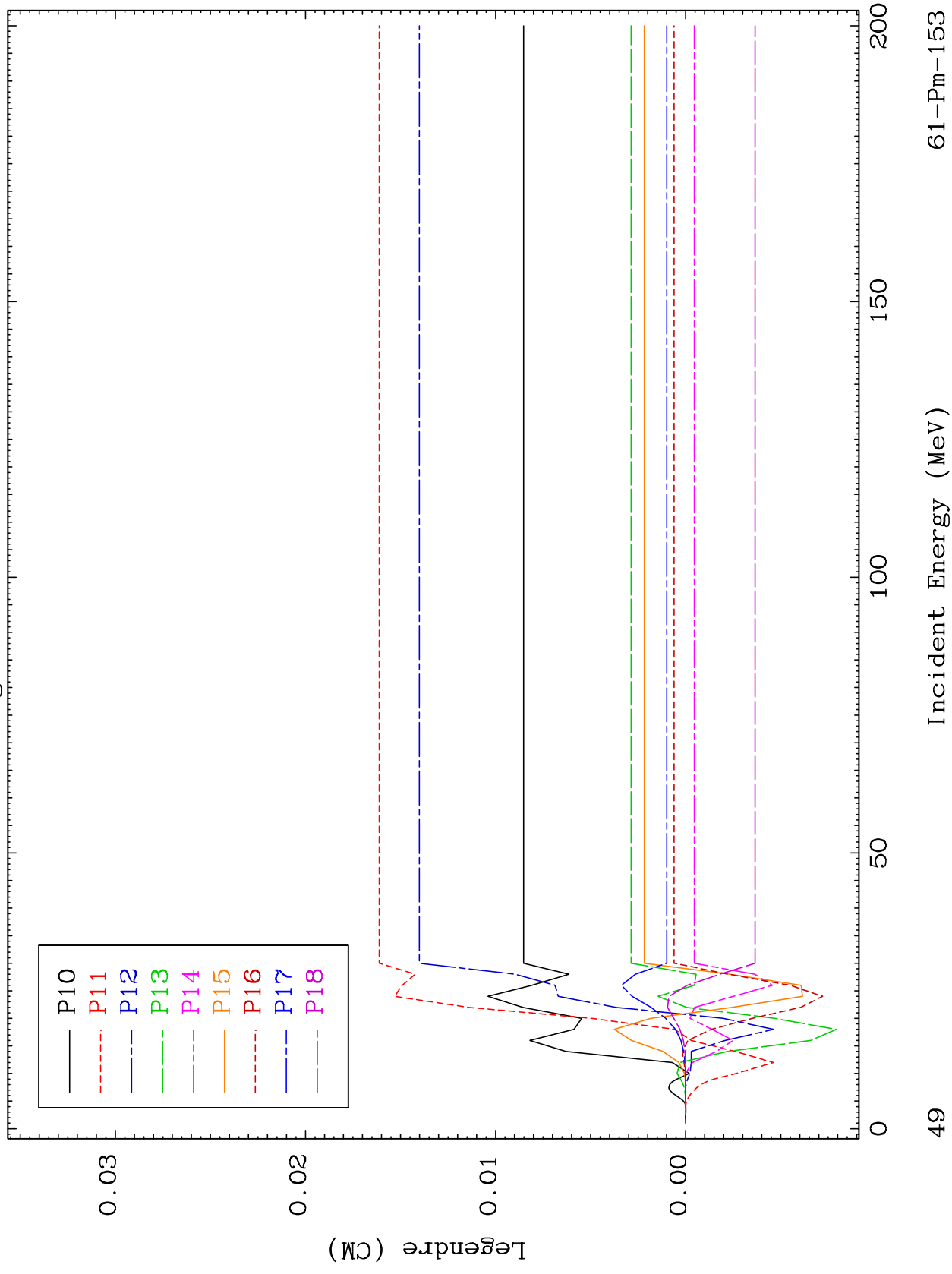




MAT 6167

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

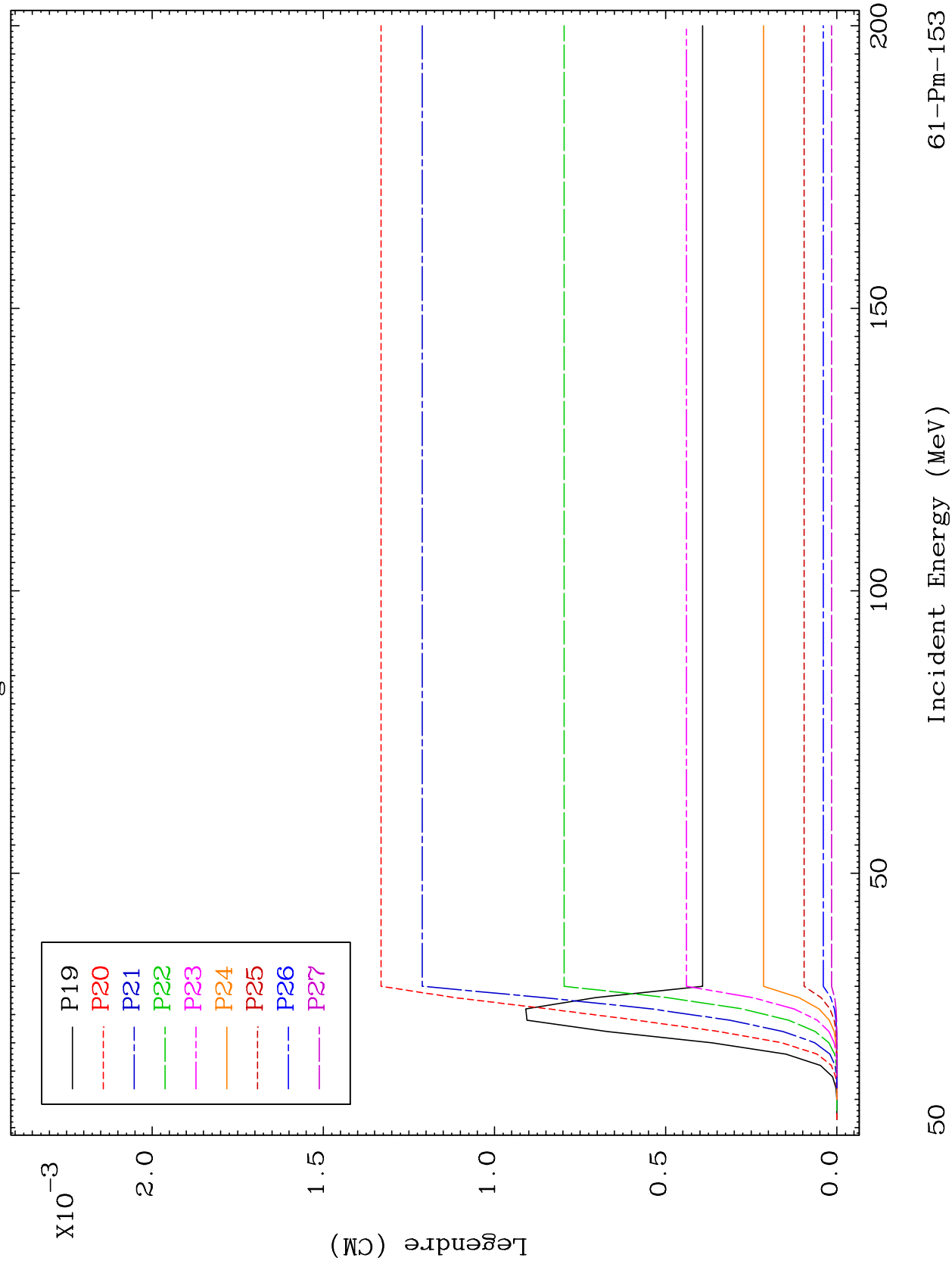
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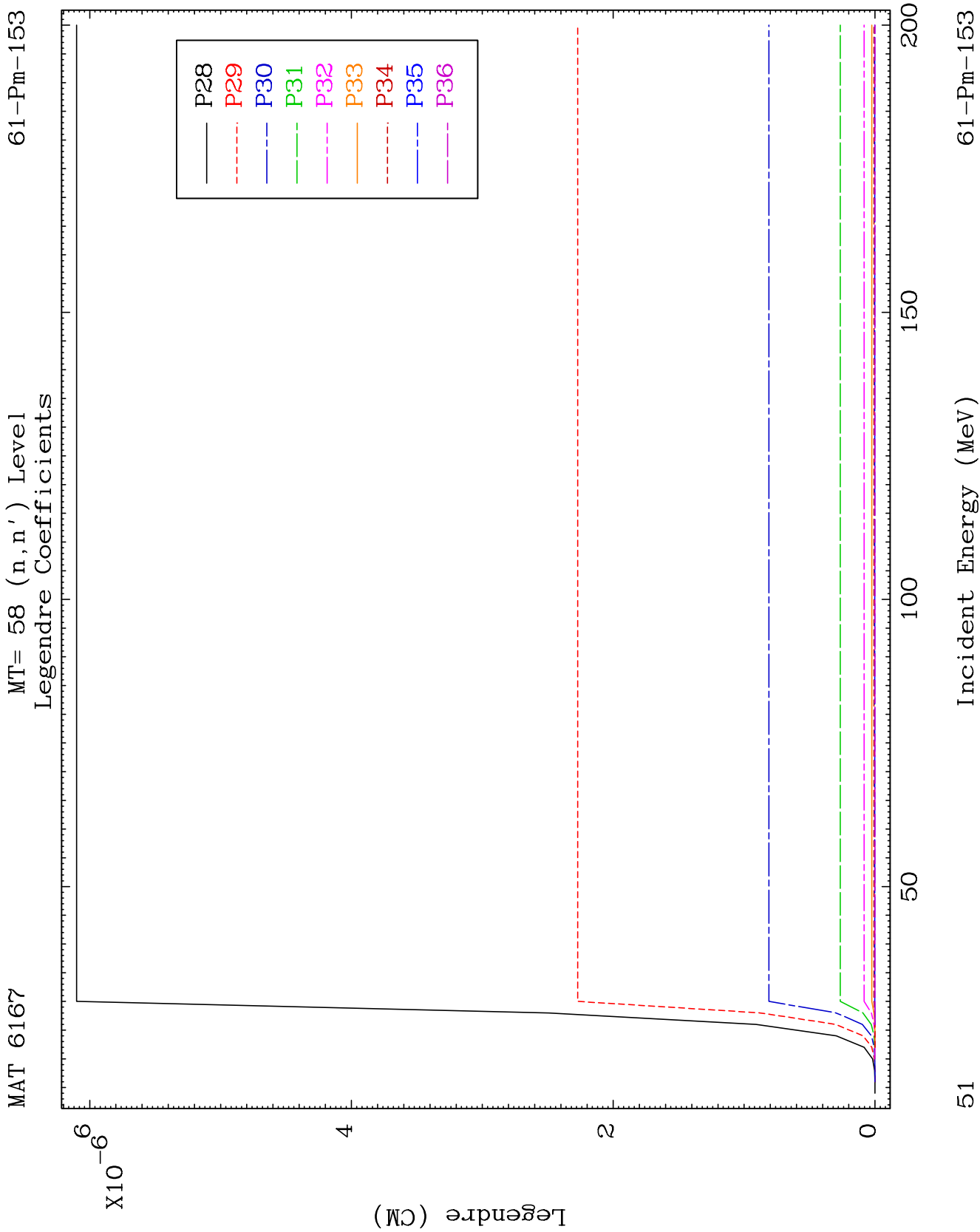


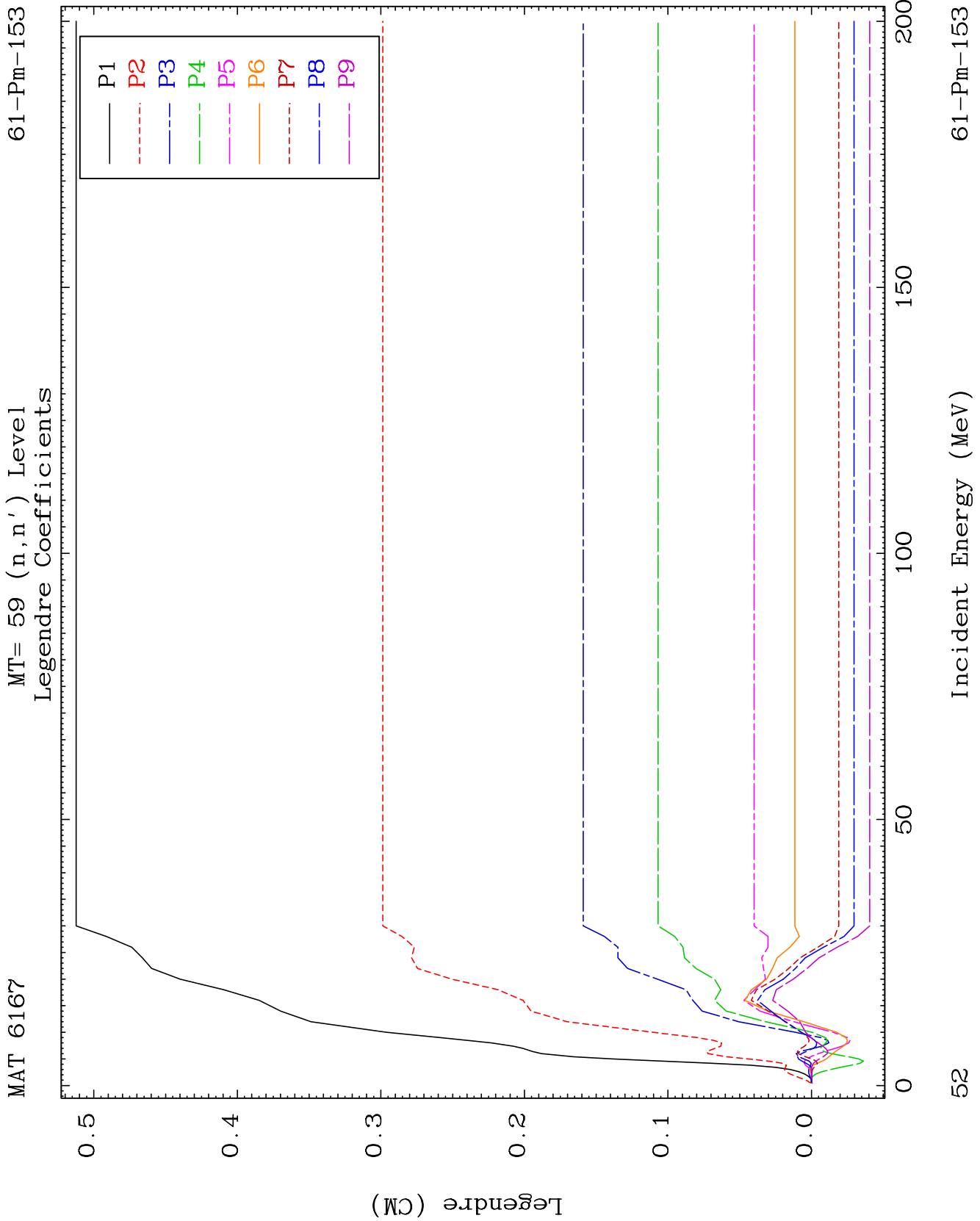
MAT 6167

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

61-Pm-153



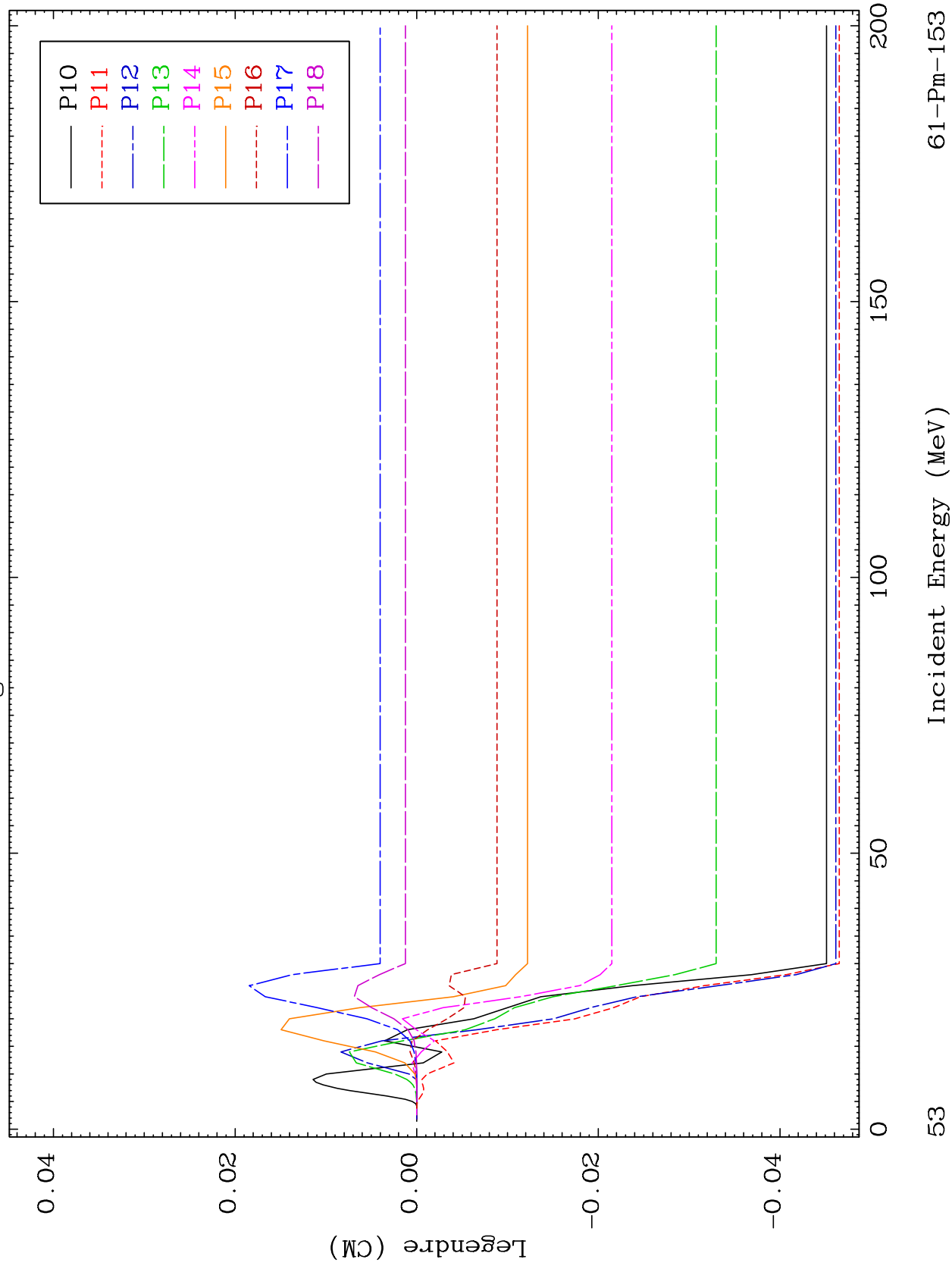


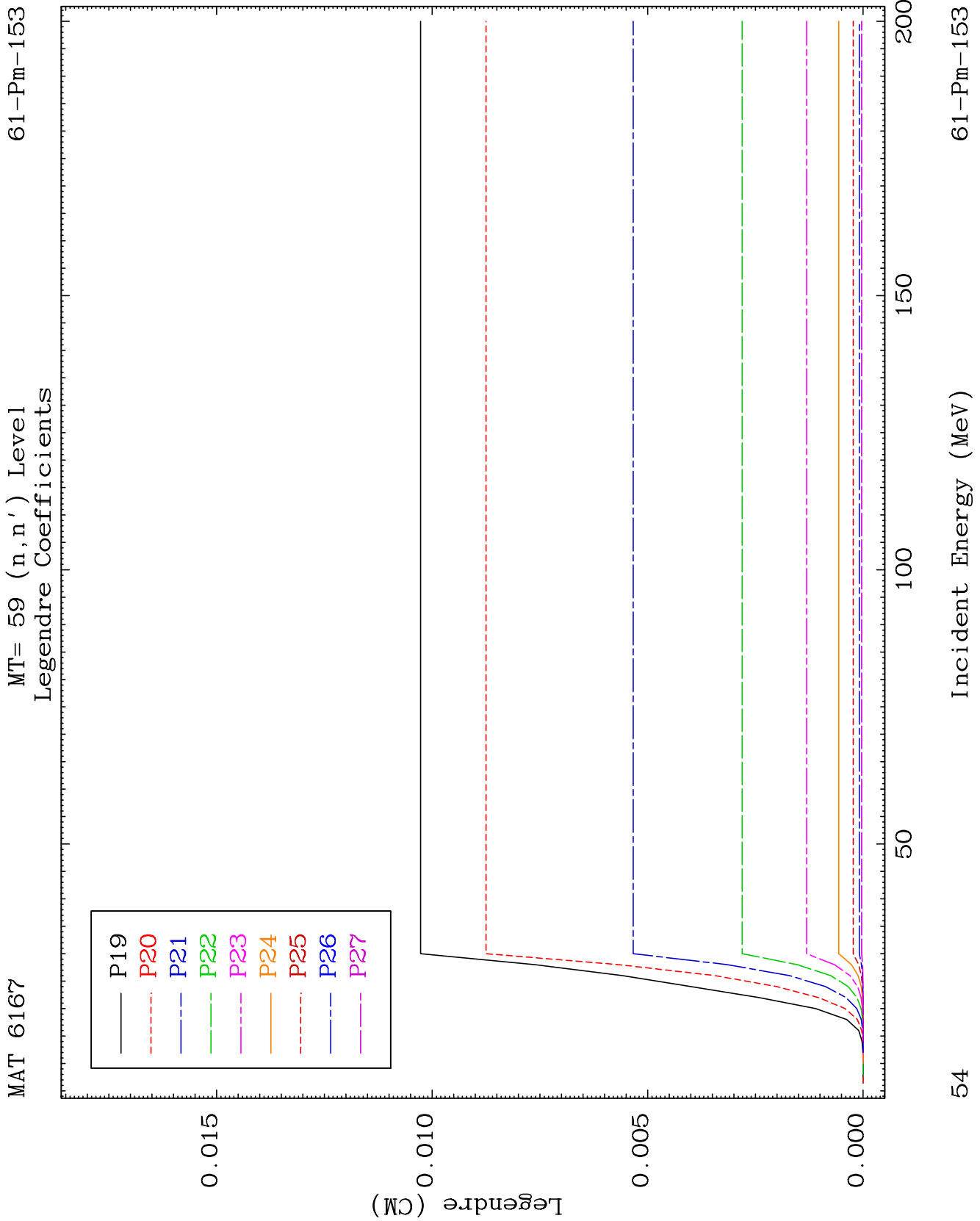


MAT 6167

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

61-Pm-153

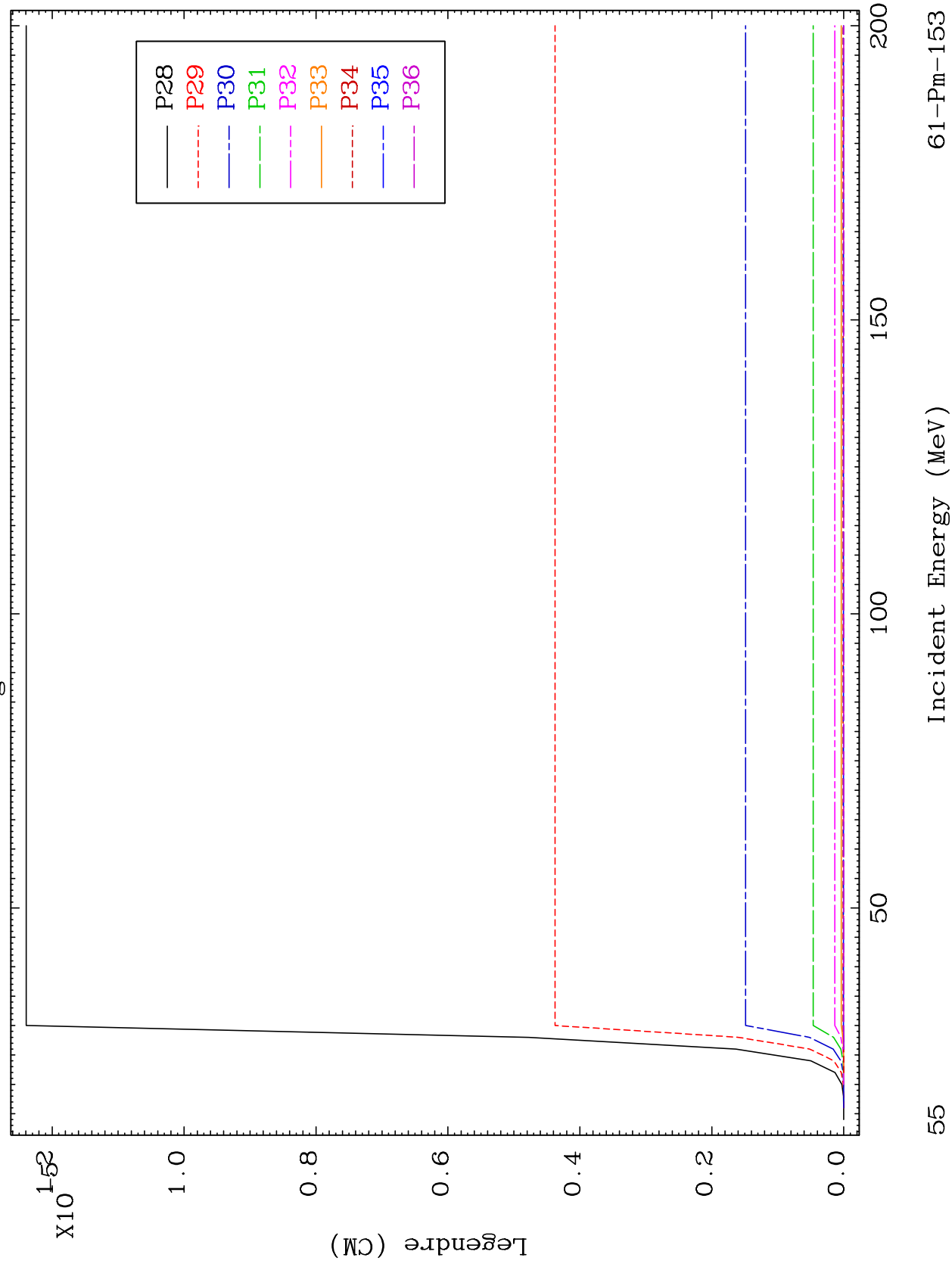




MAT 6167

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

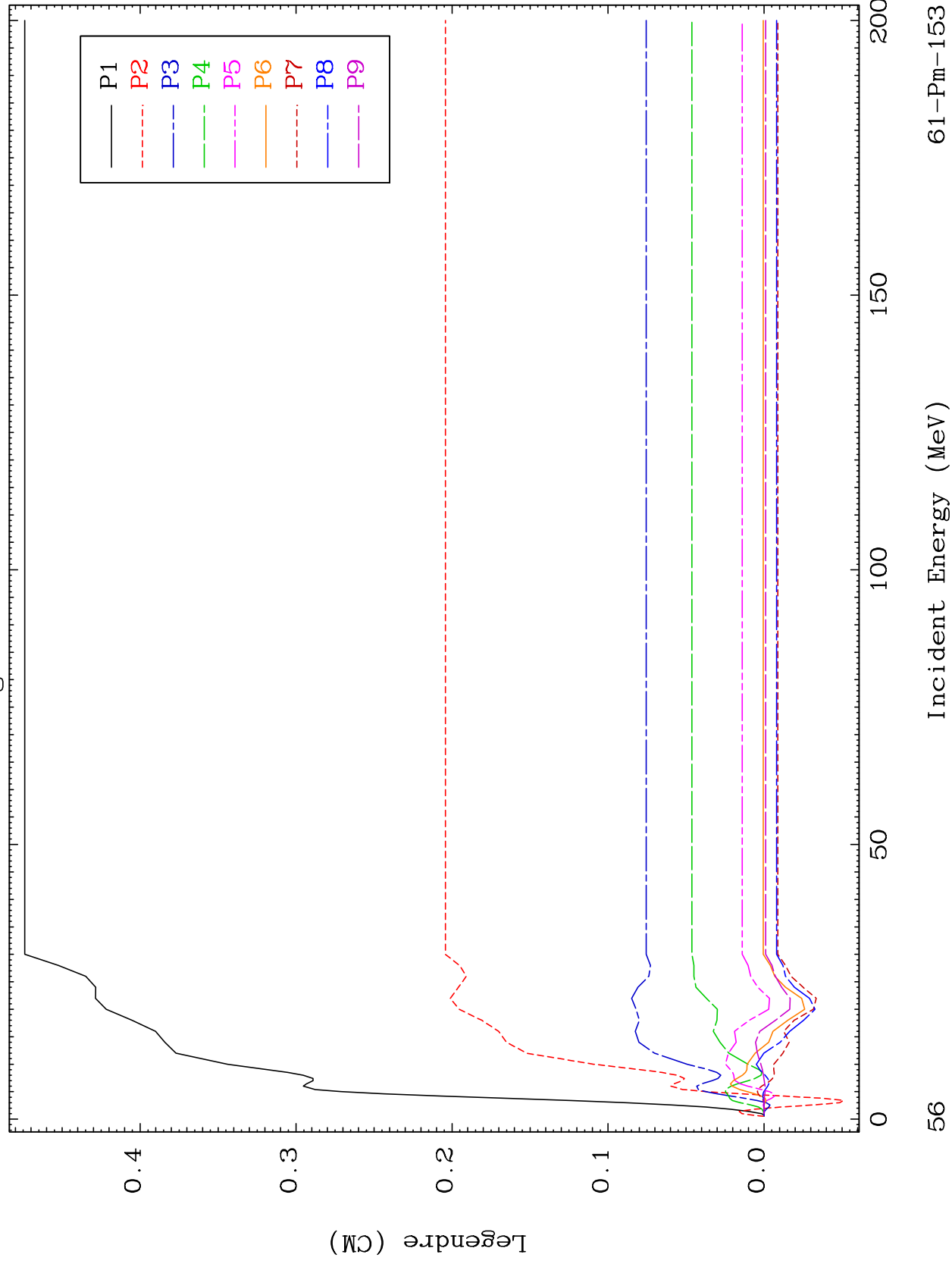
61-Pm-153



MAT 6167

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

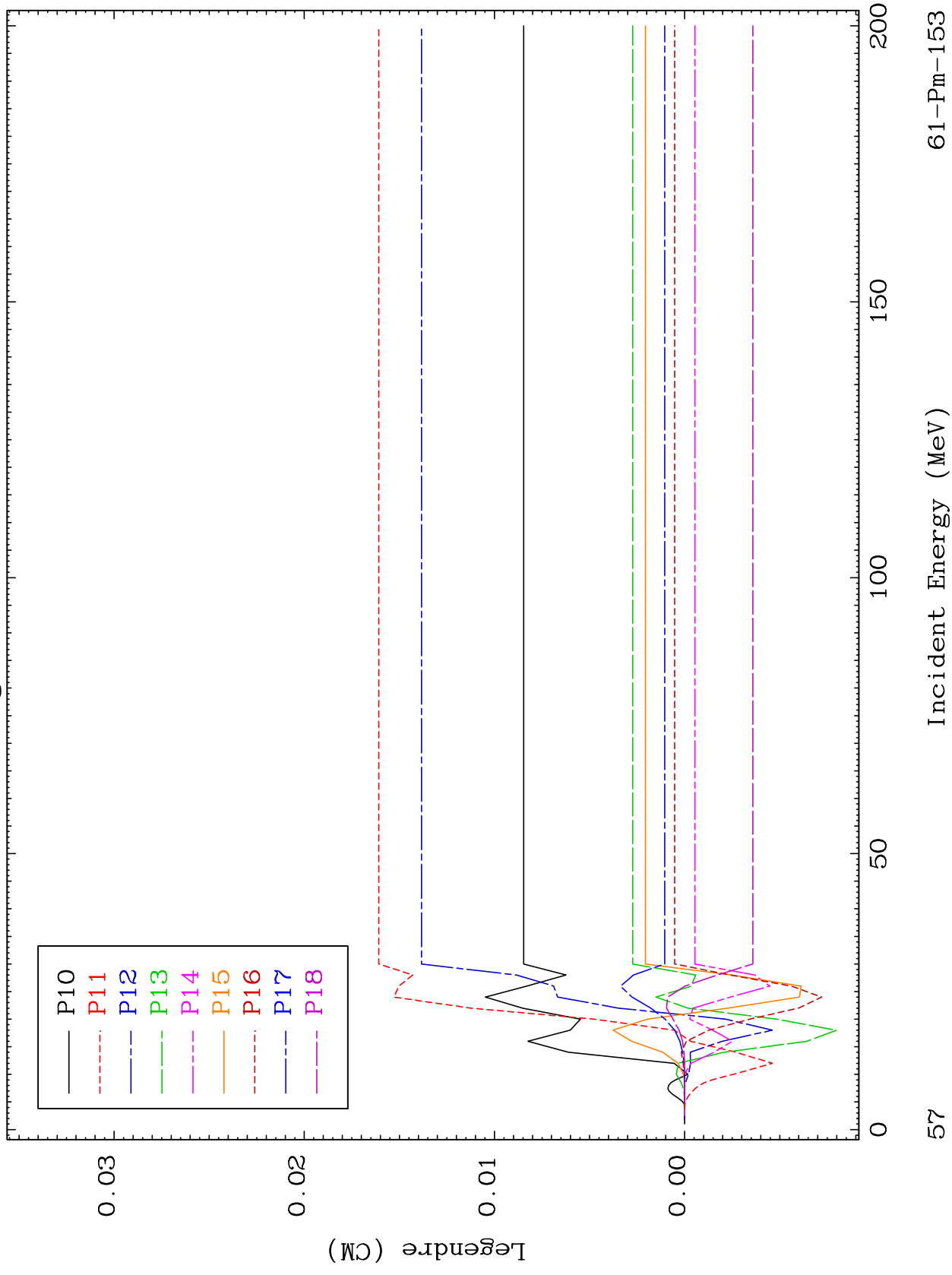
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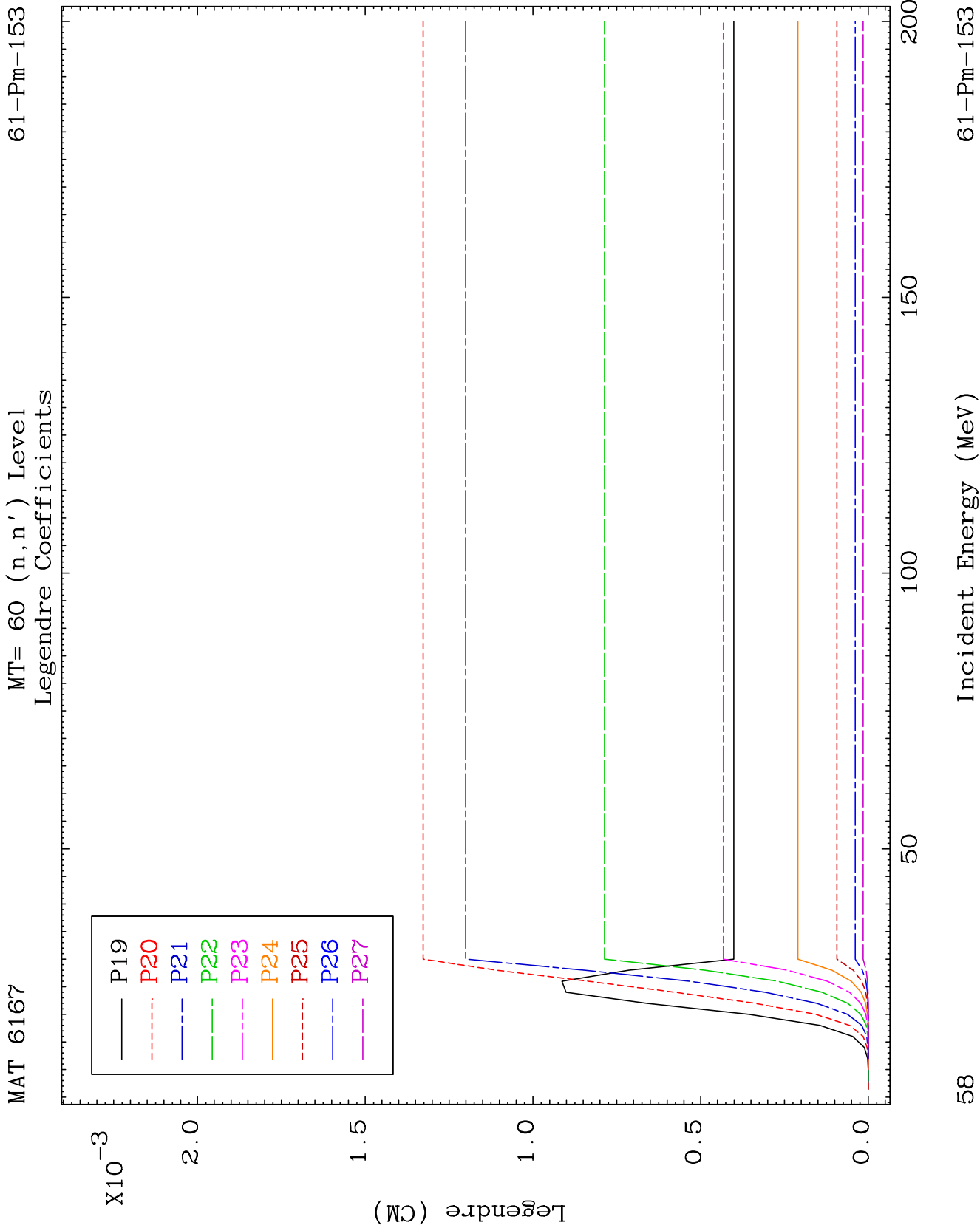


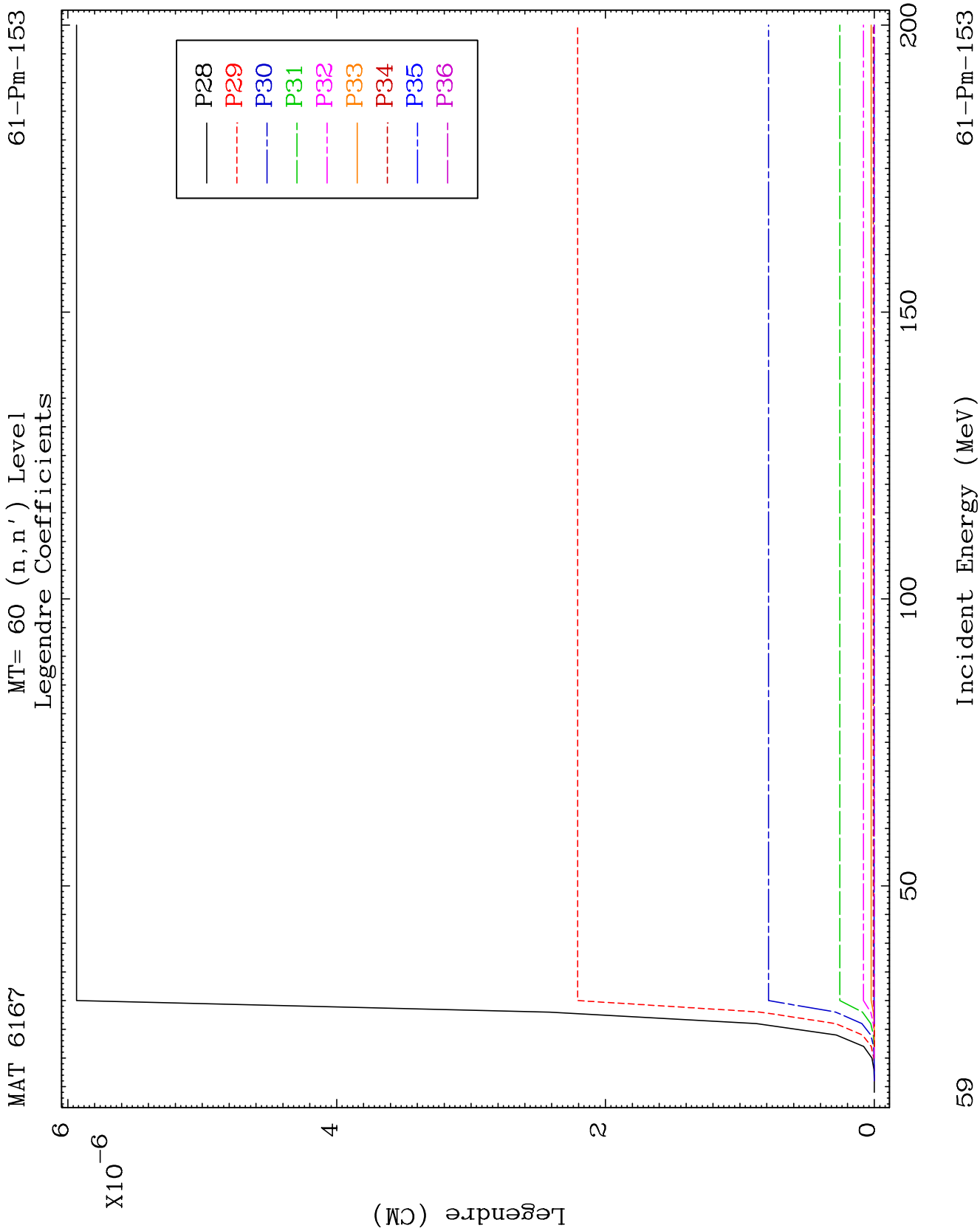
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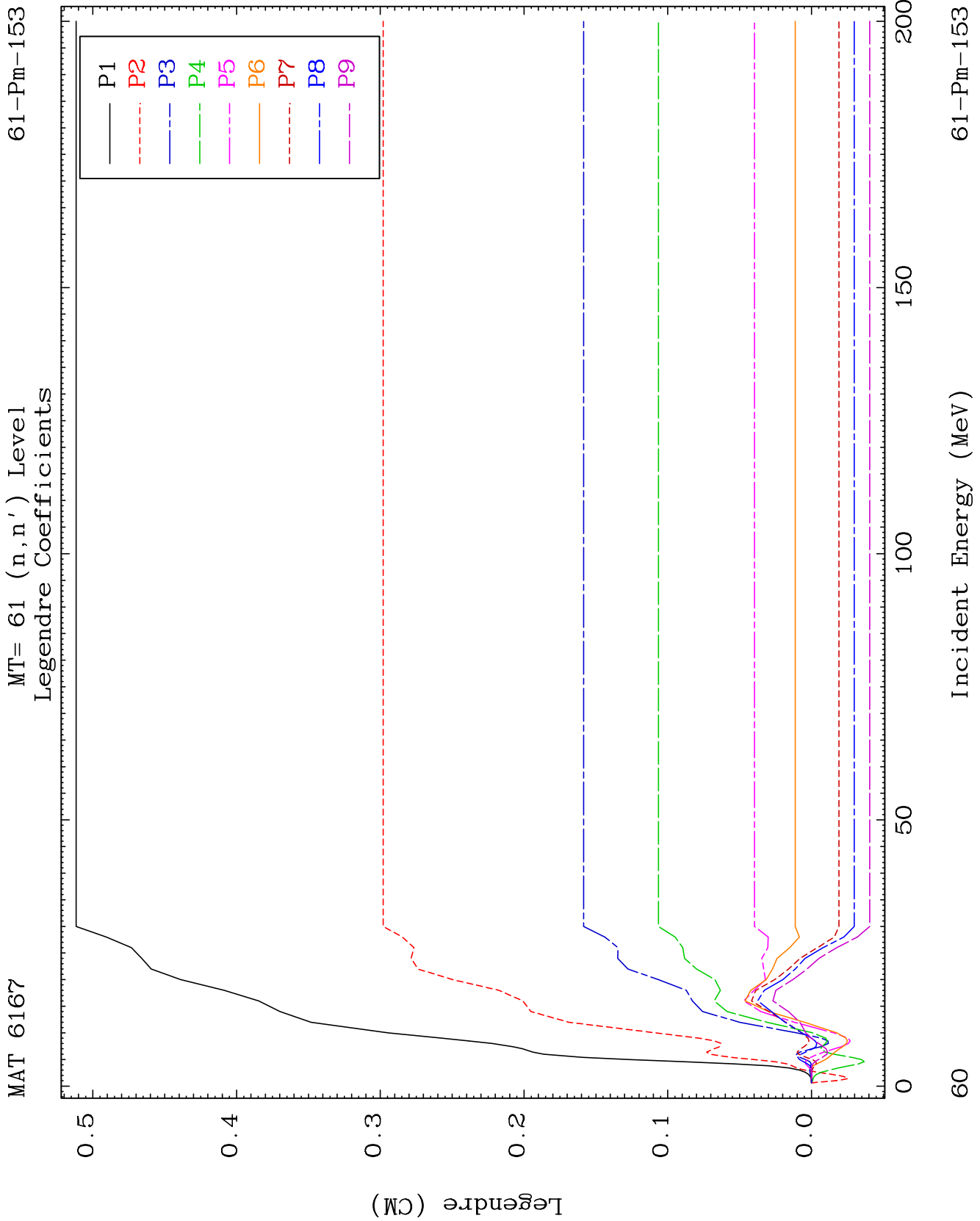
MT= 60 (n, n') Level
Legendre Coefficients

61-Pm-153





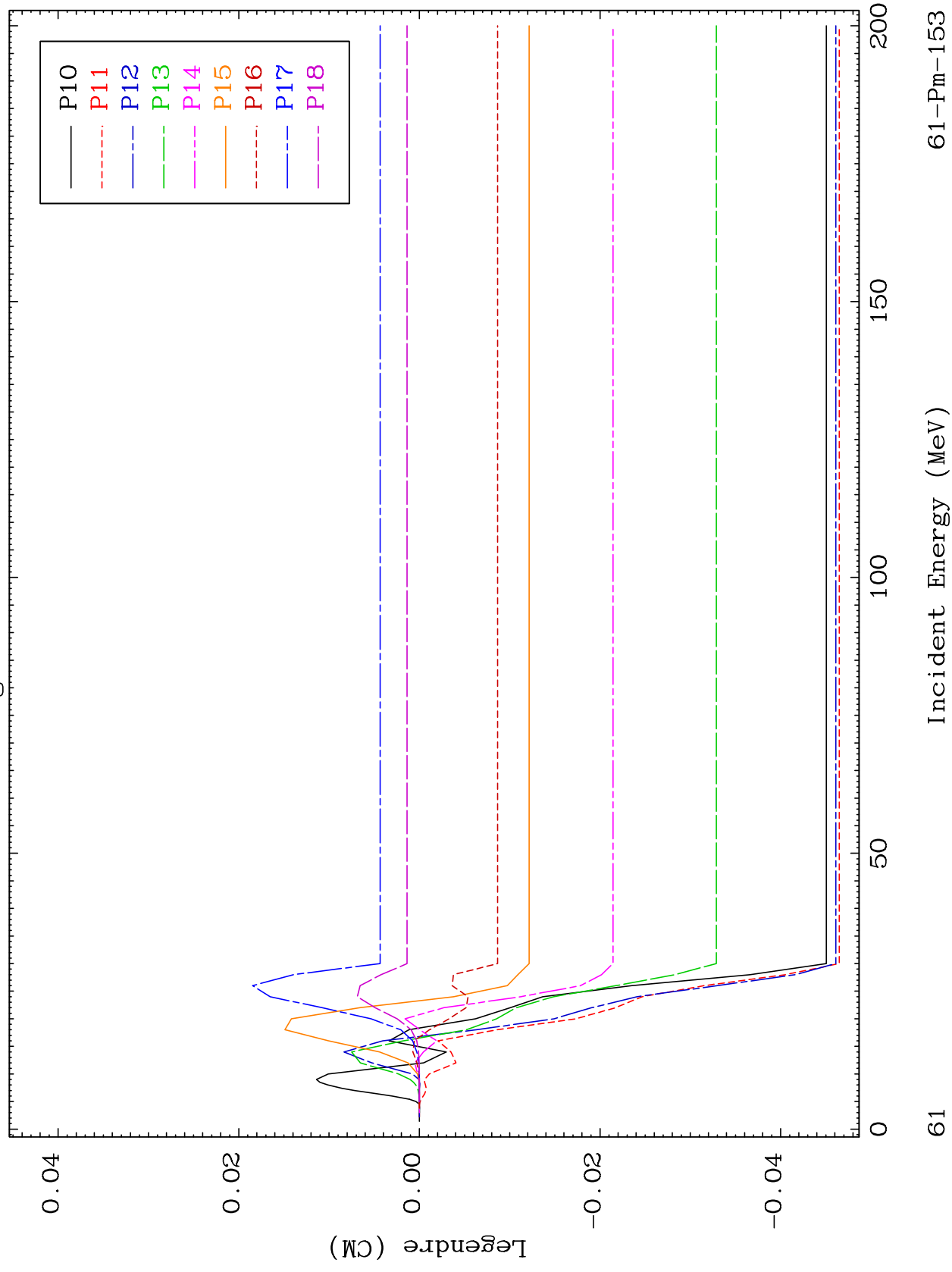


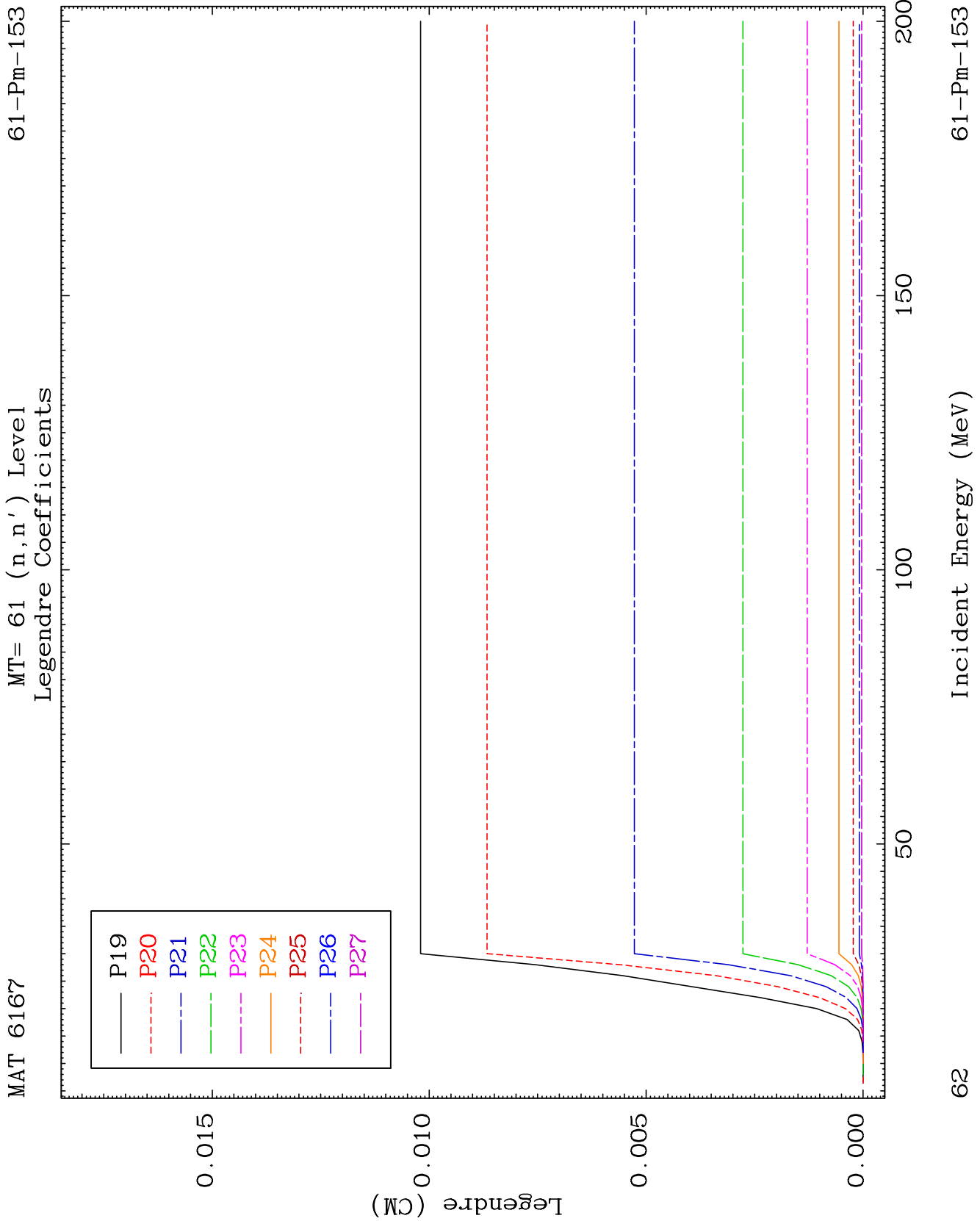


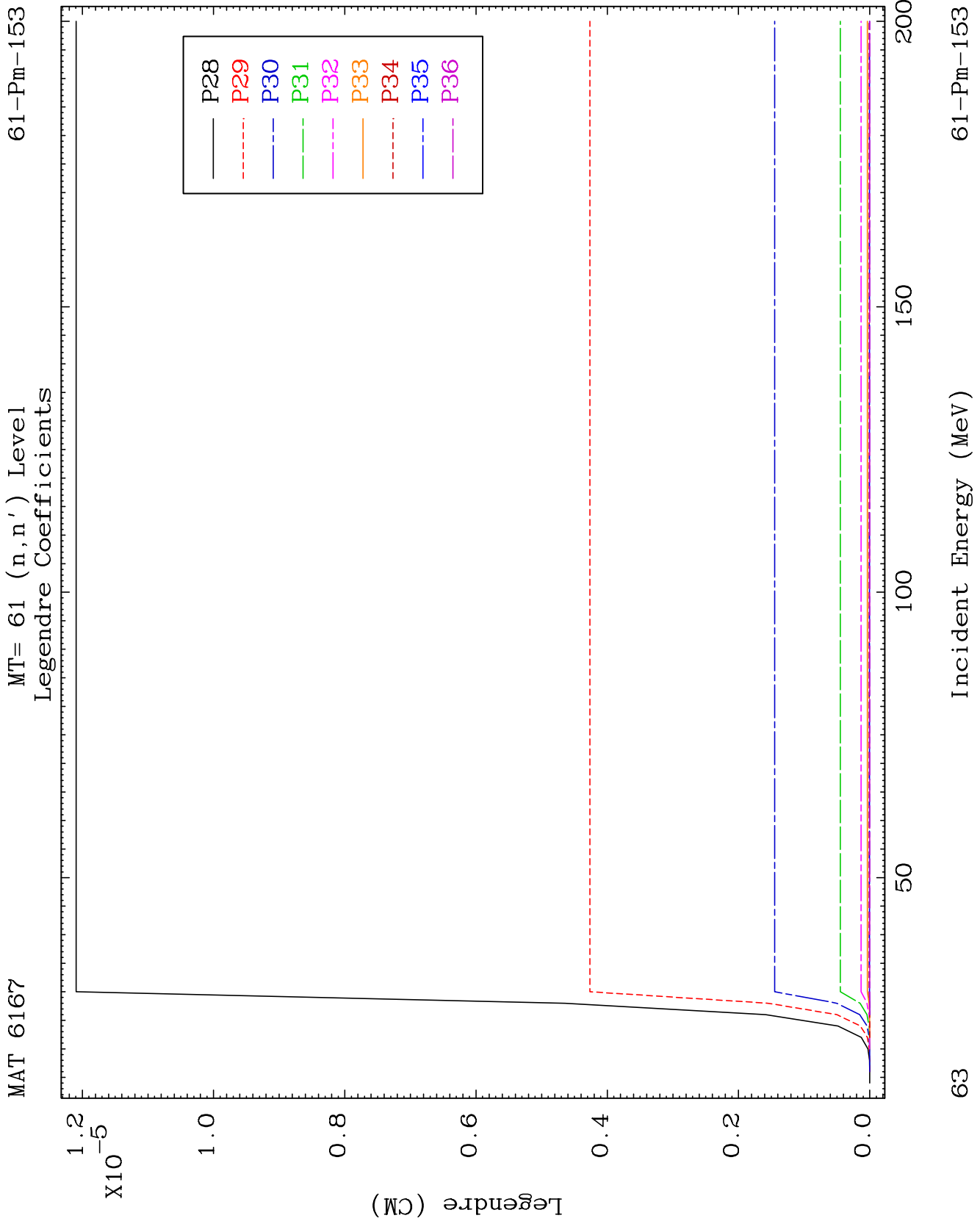
MAT 6167

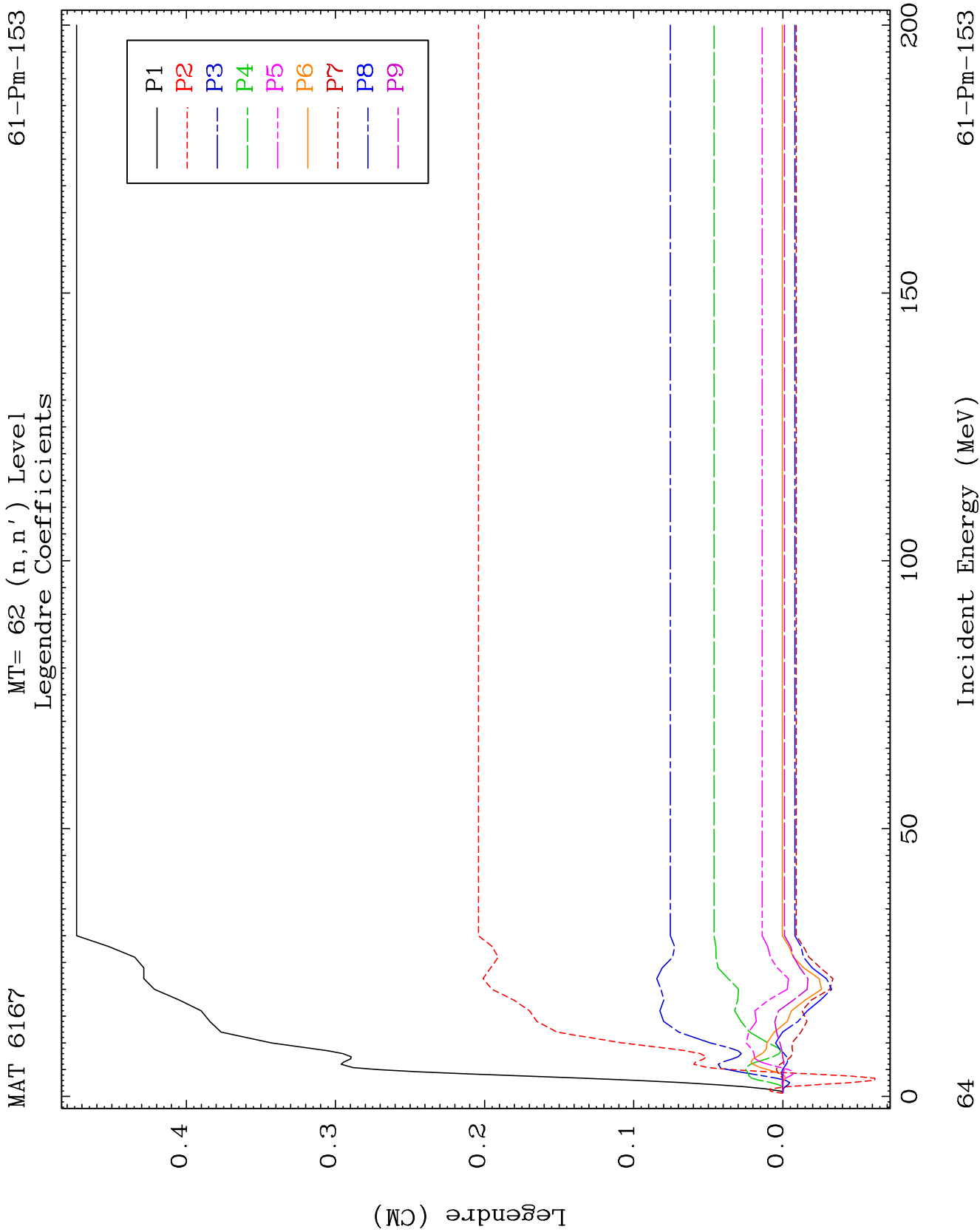
MT= 61 (n, n') Level
Legendre Coefficients

61-Pm-153





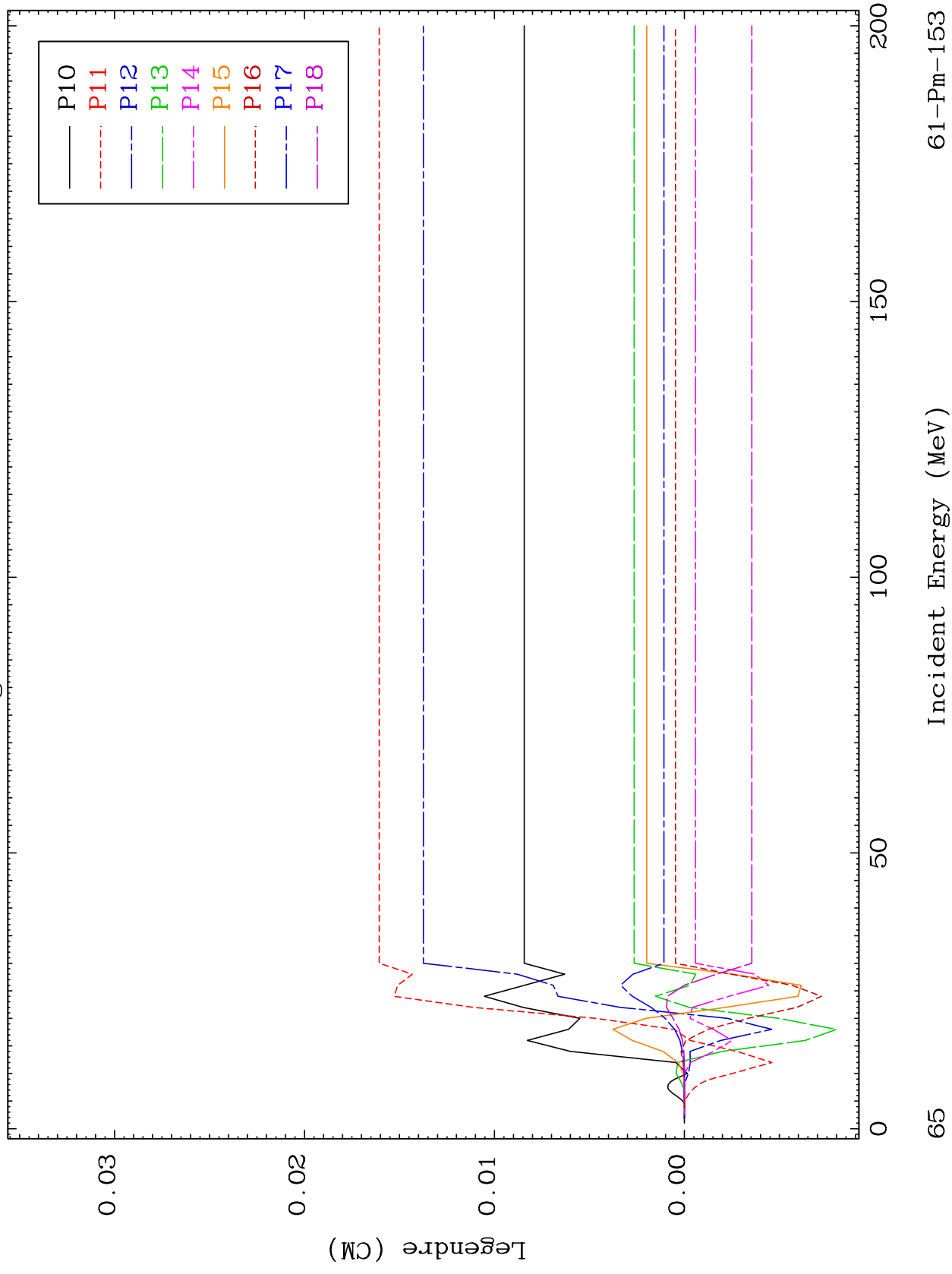


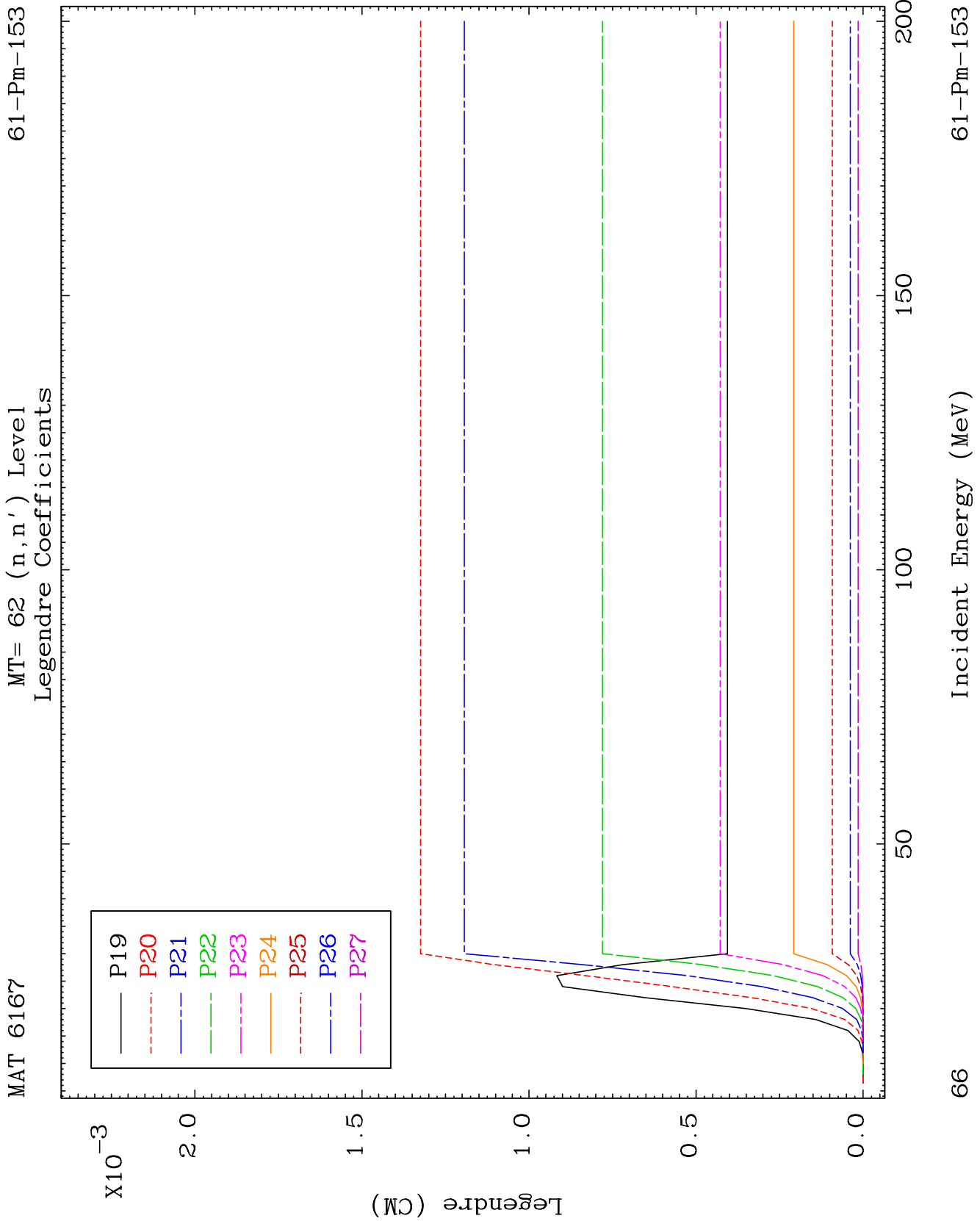


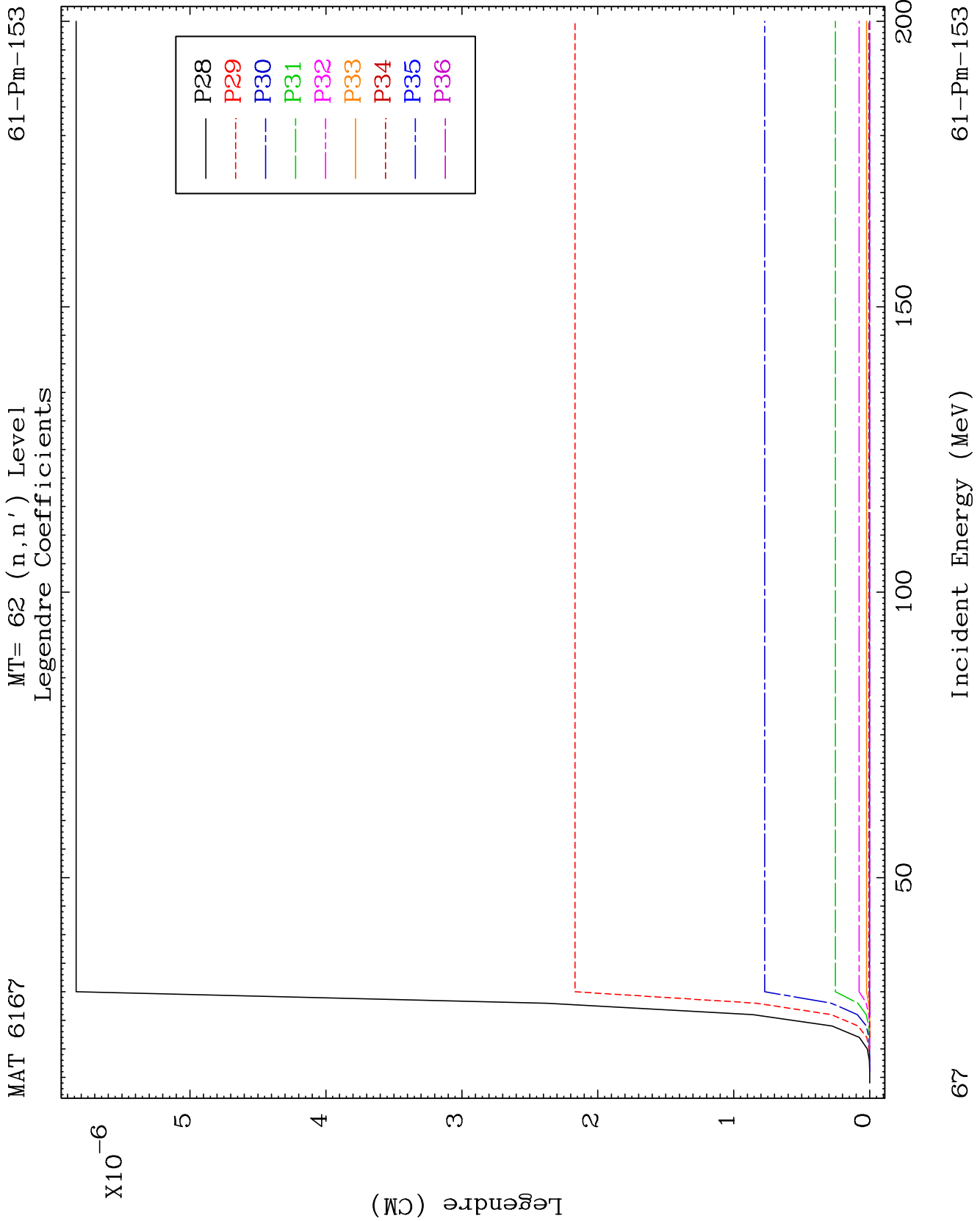
MAT 6167

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

61-Pm-153



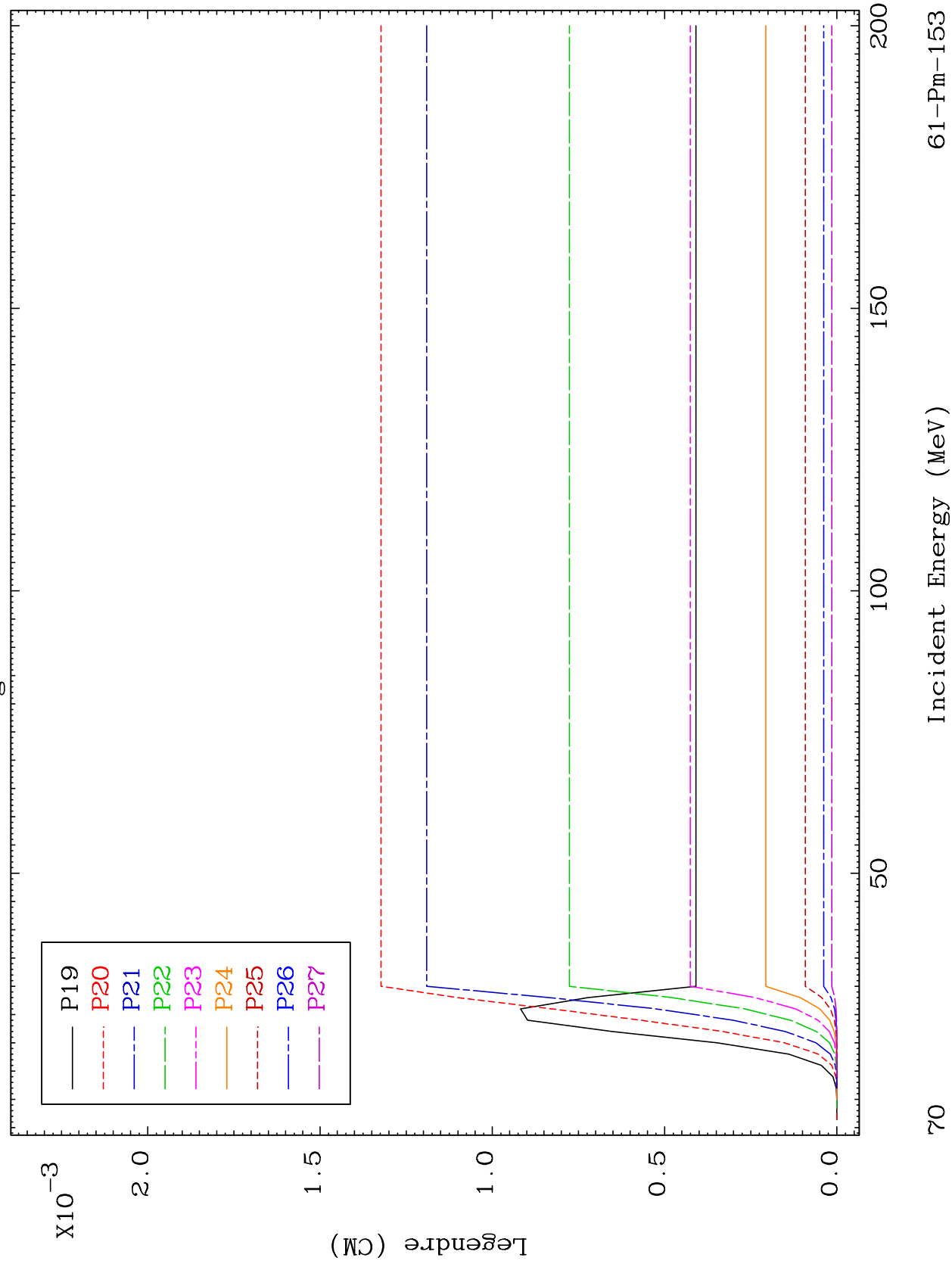


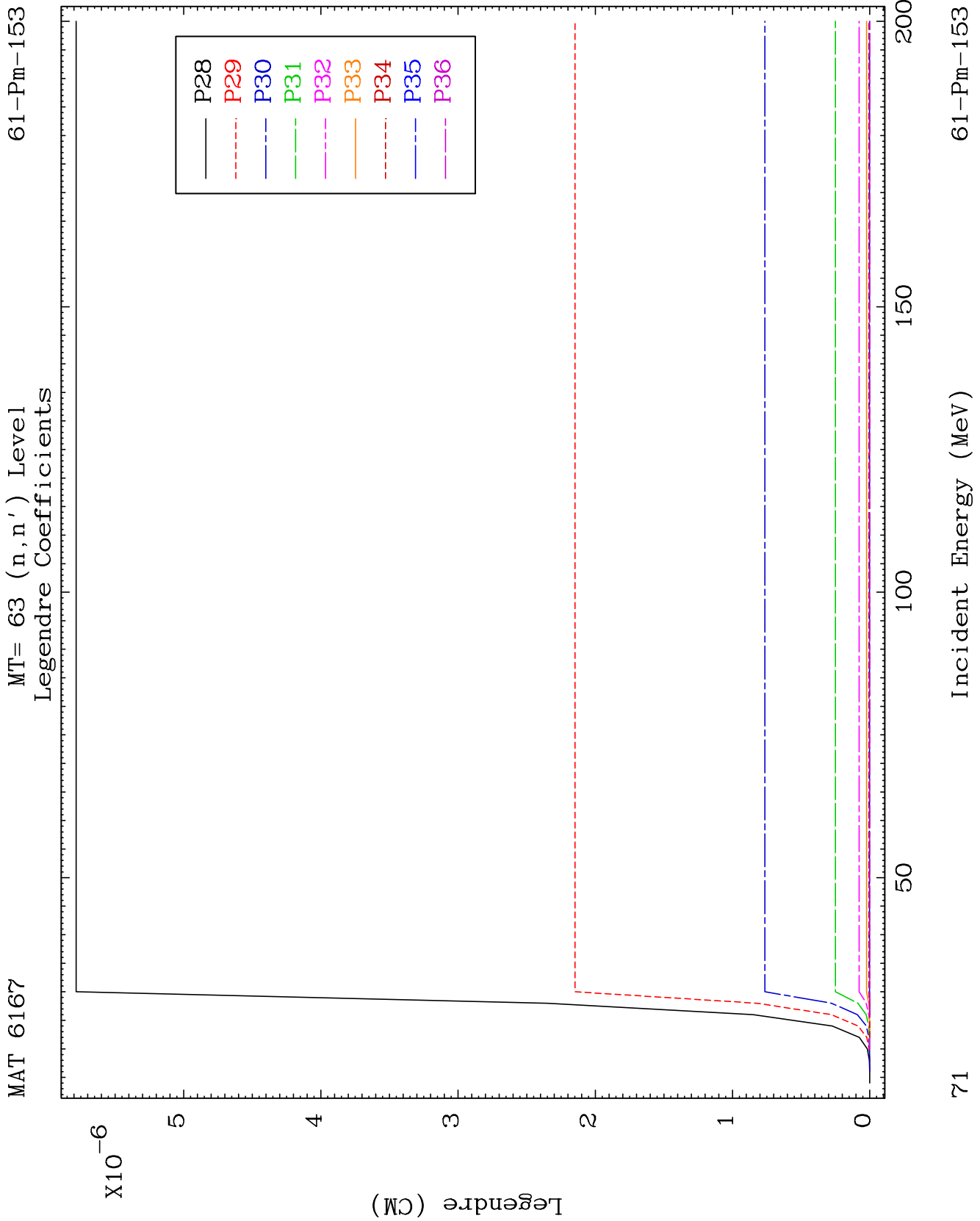


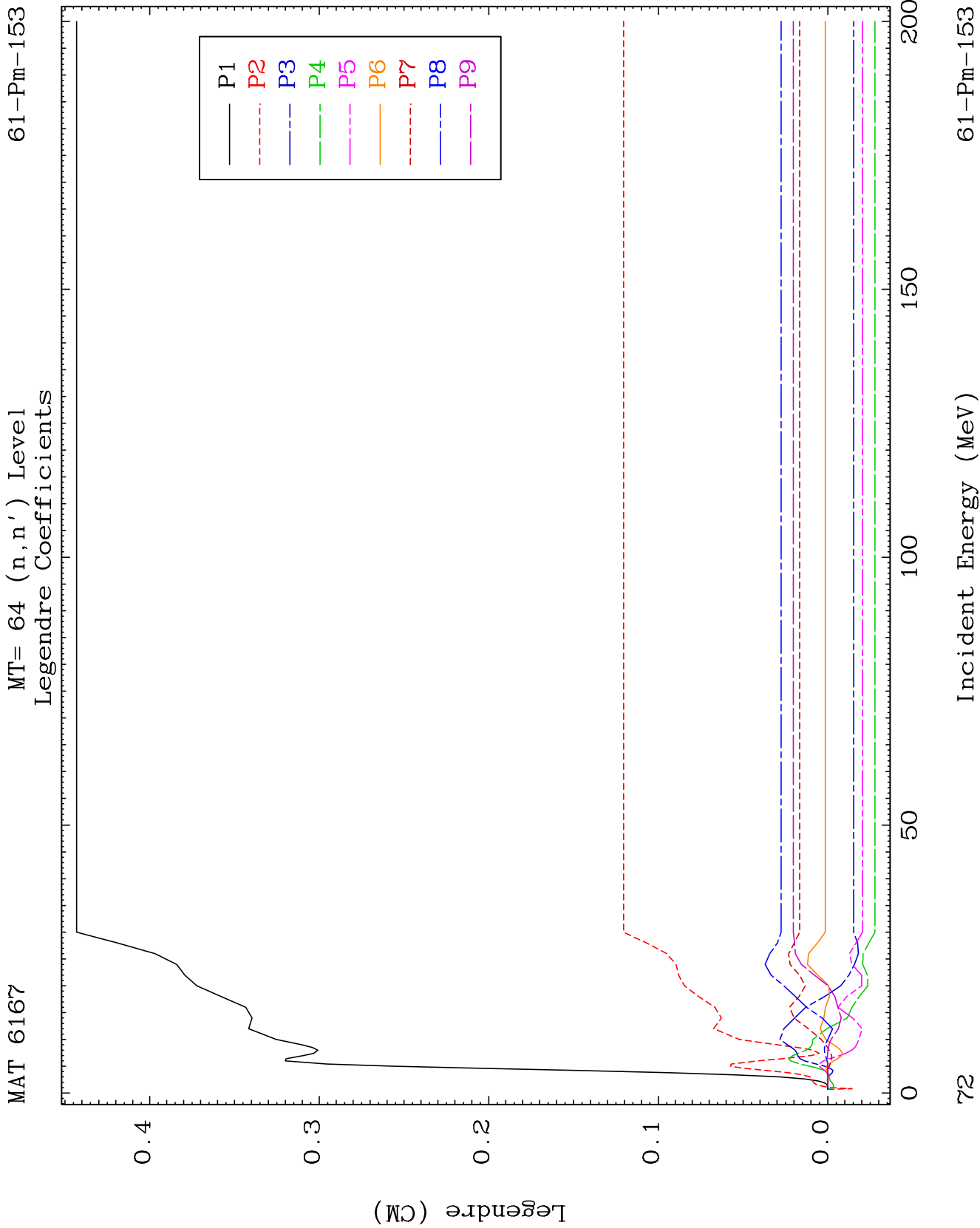
MAT 6167

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

61-Pm-153



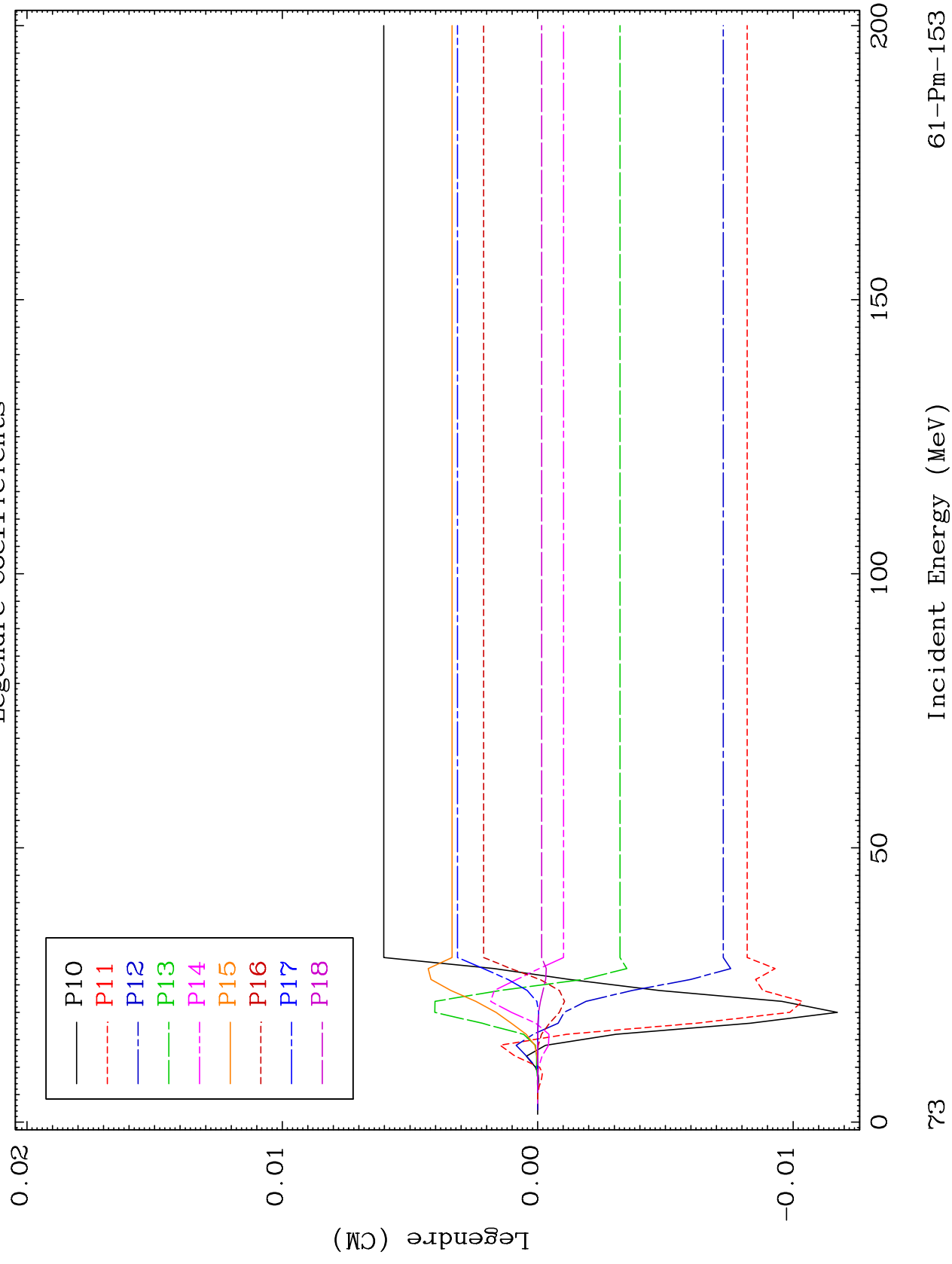


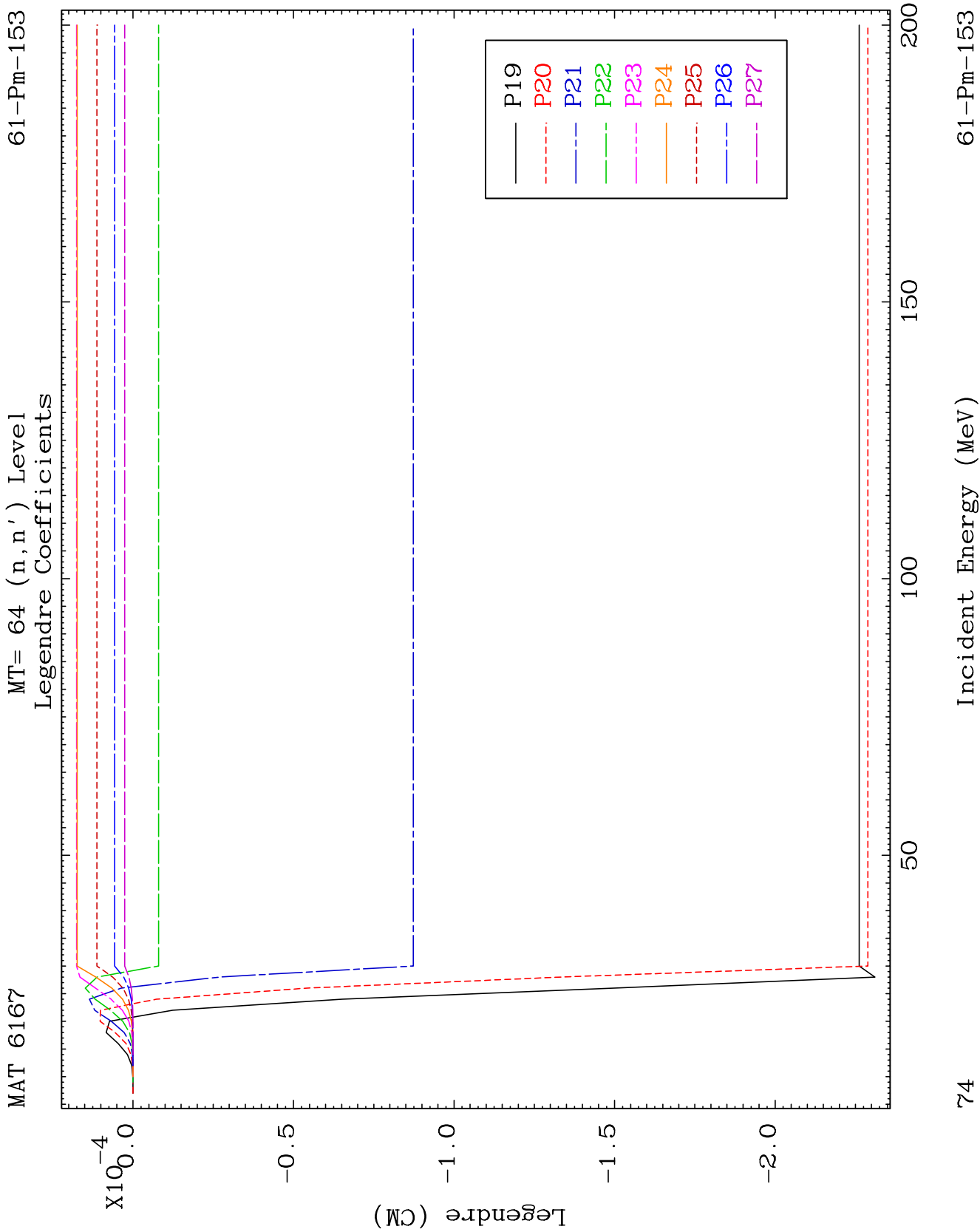


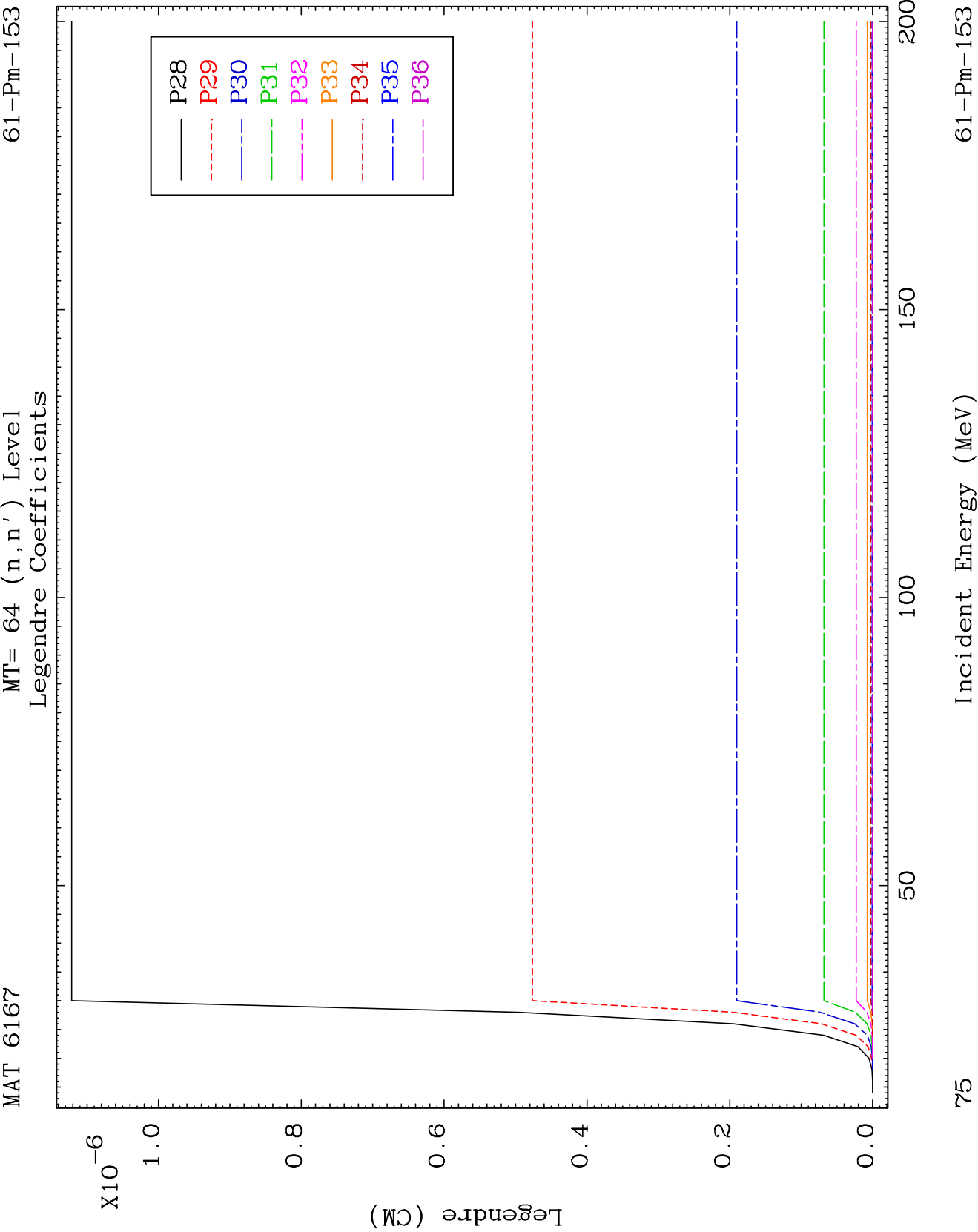
MAT 6167

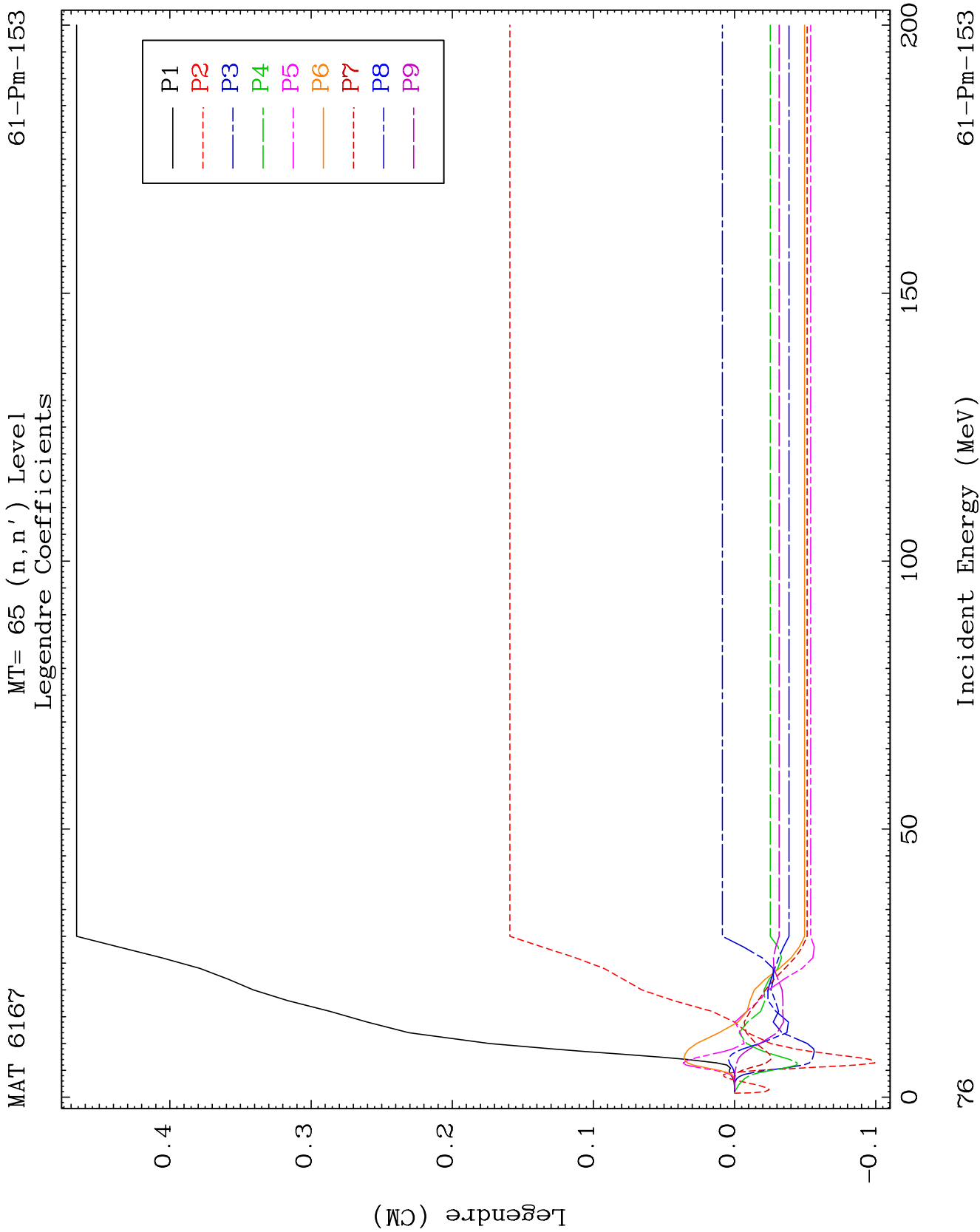
MT= 64 (n, n') Level
Legendre Coefficients

61-Pm-153





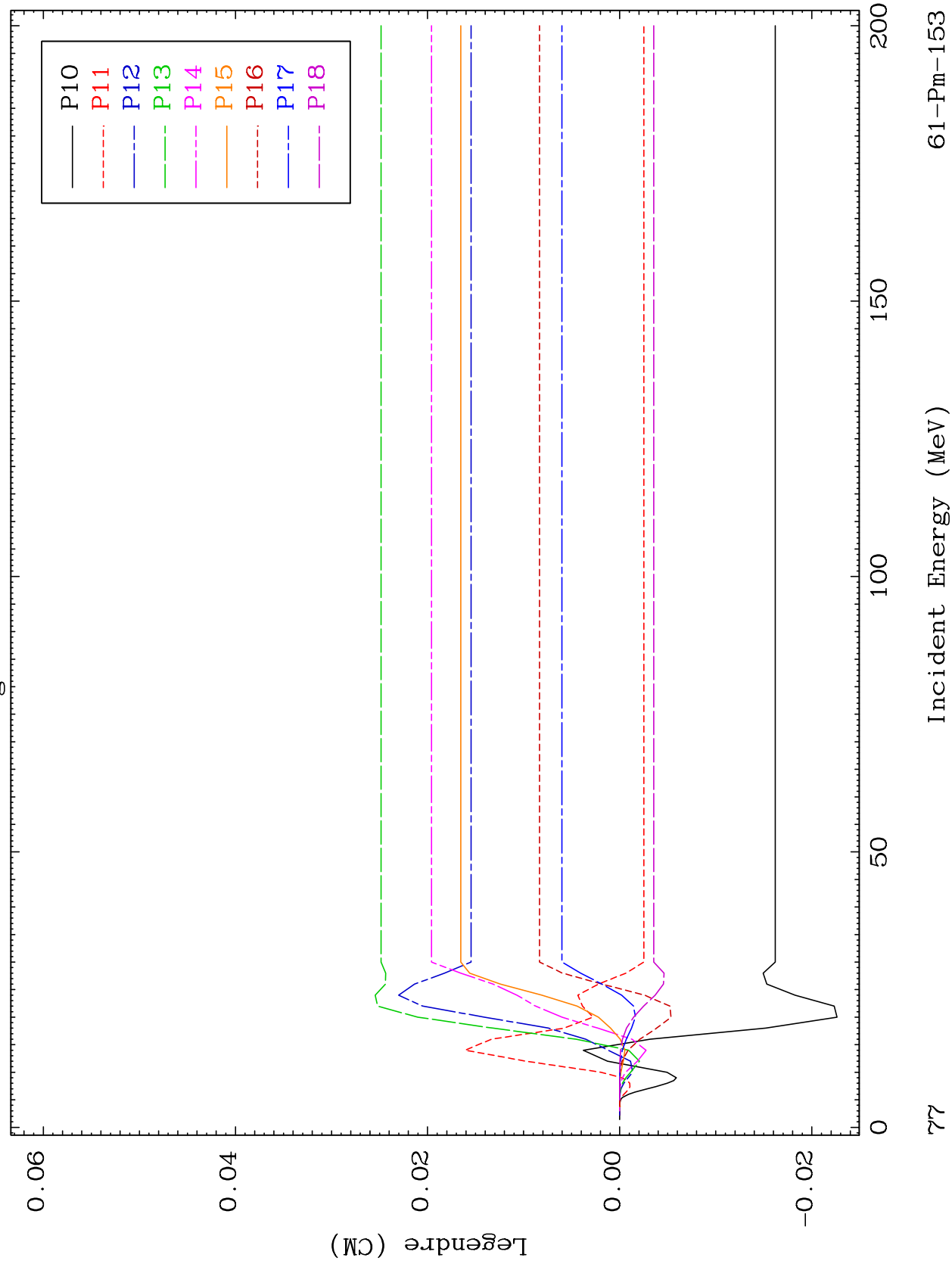


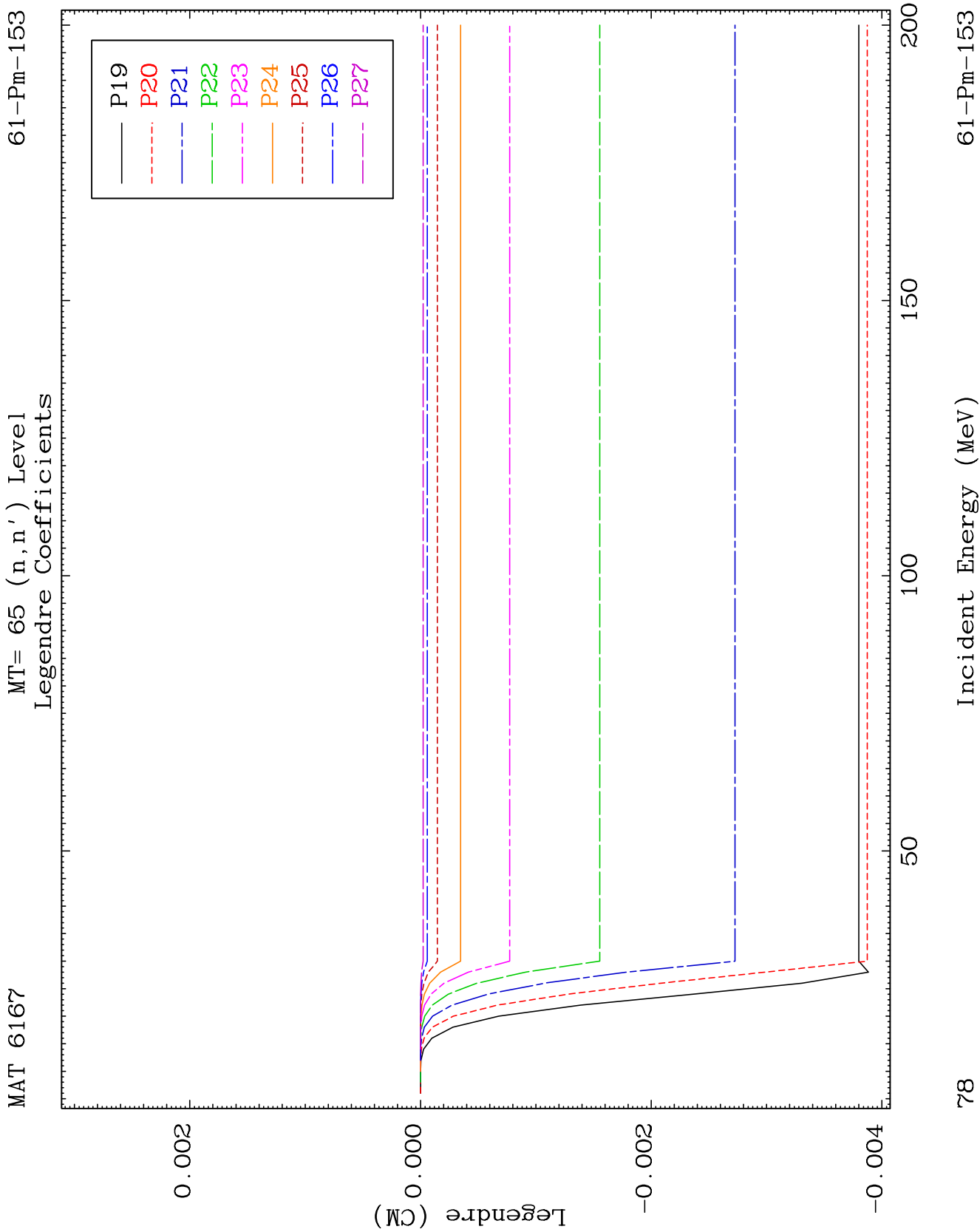


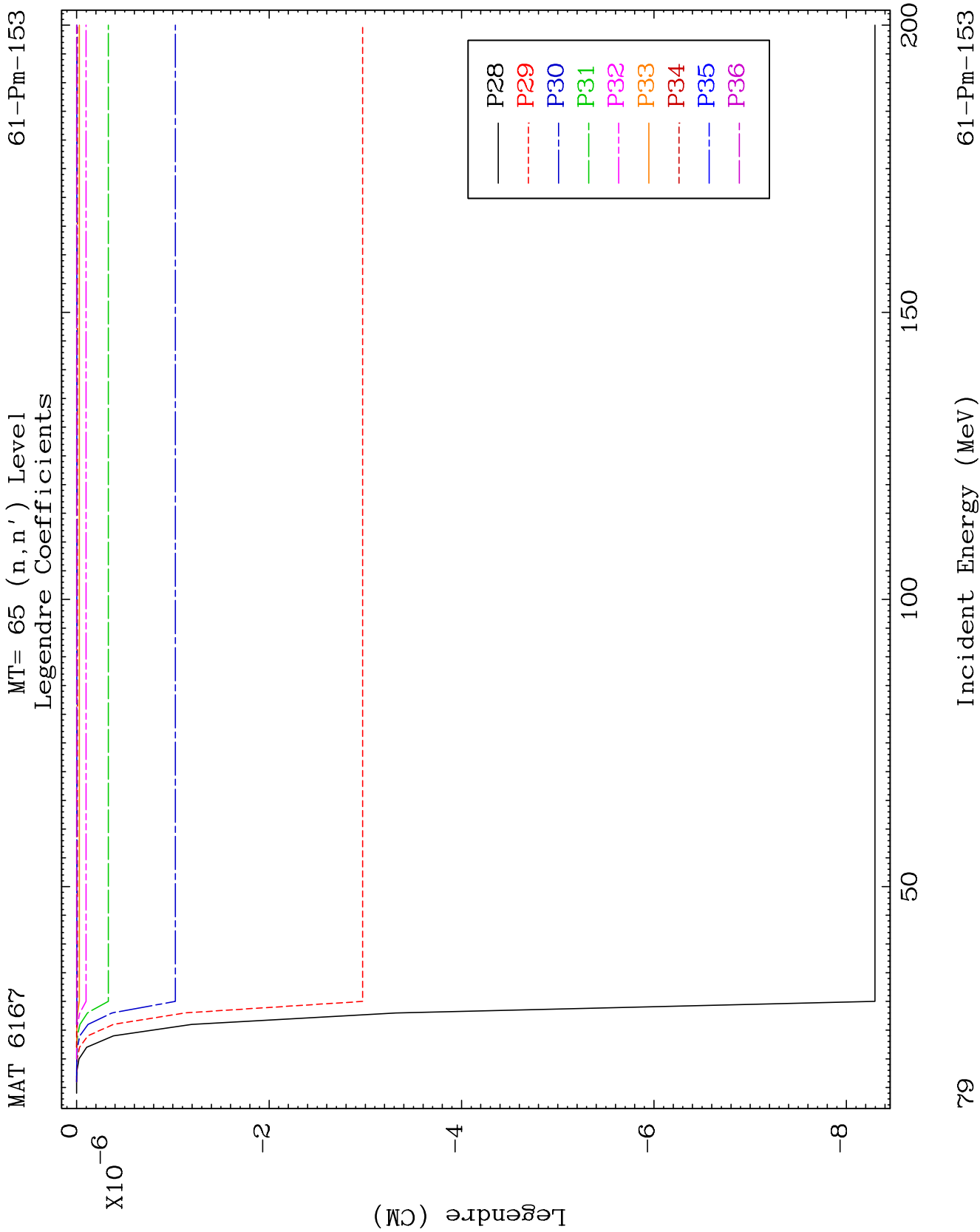
MAT 6167

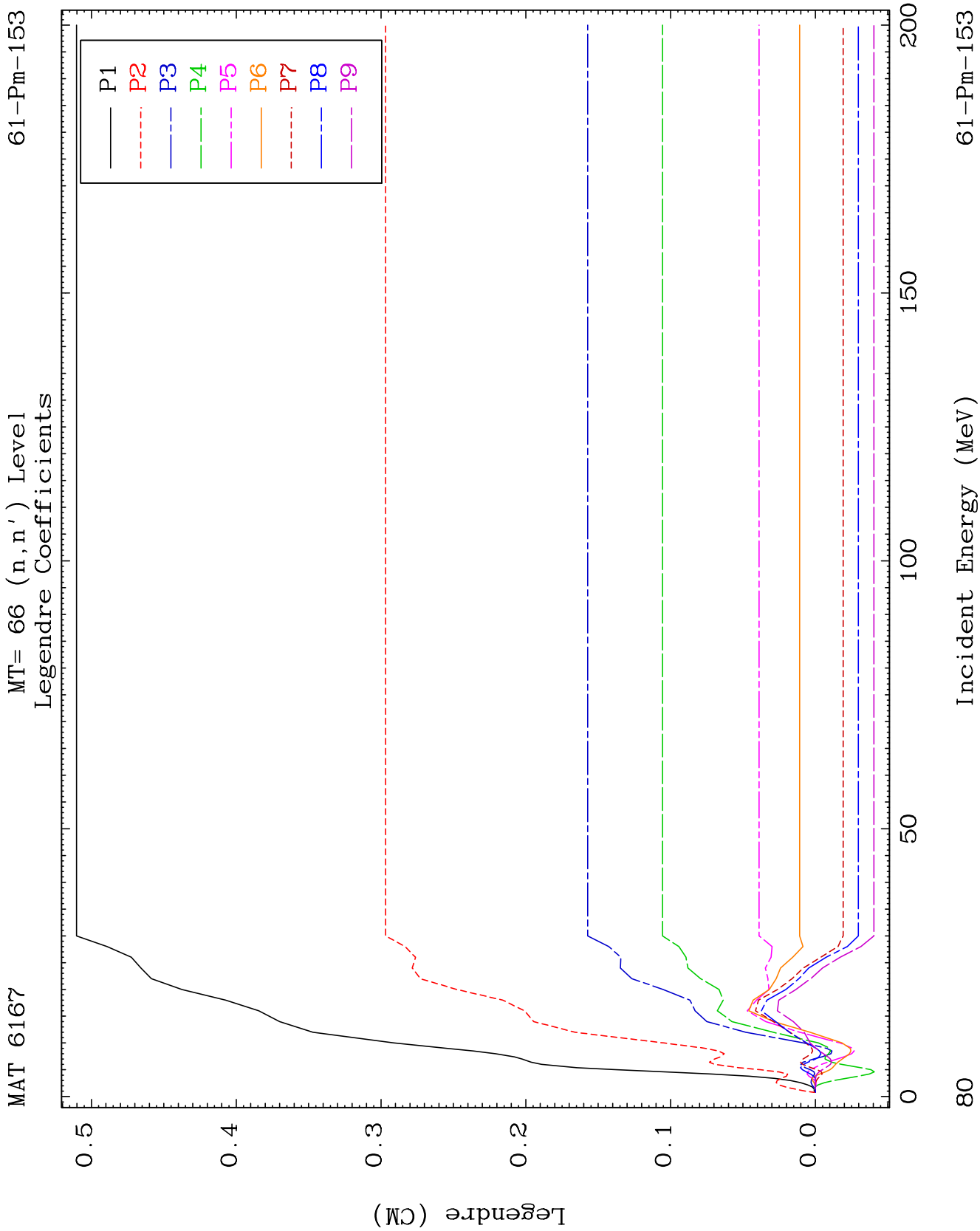
MT= 65 (n, n') Level
Legendre Coefficients

61-Pm-153





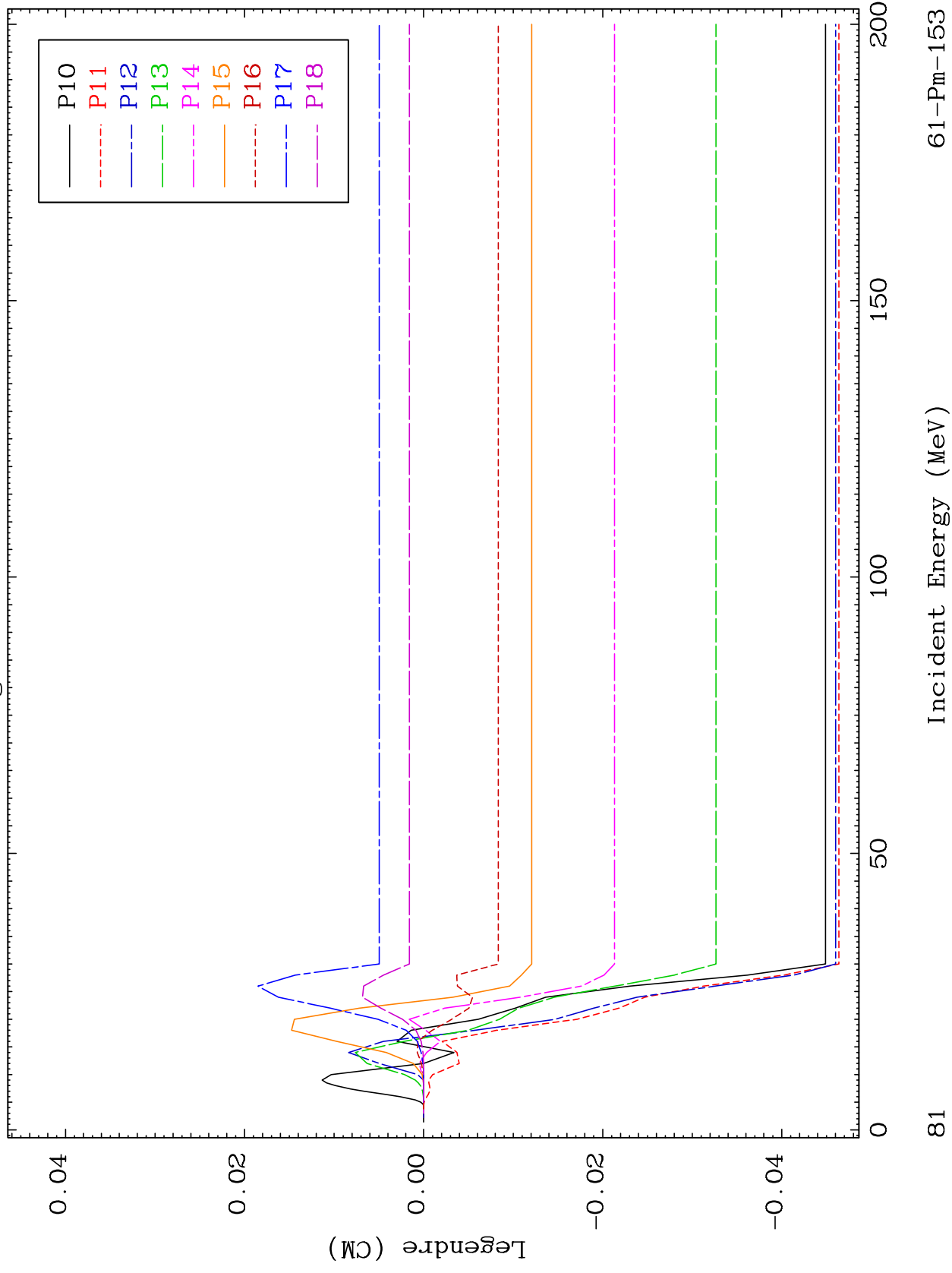


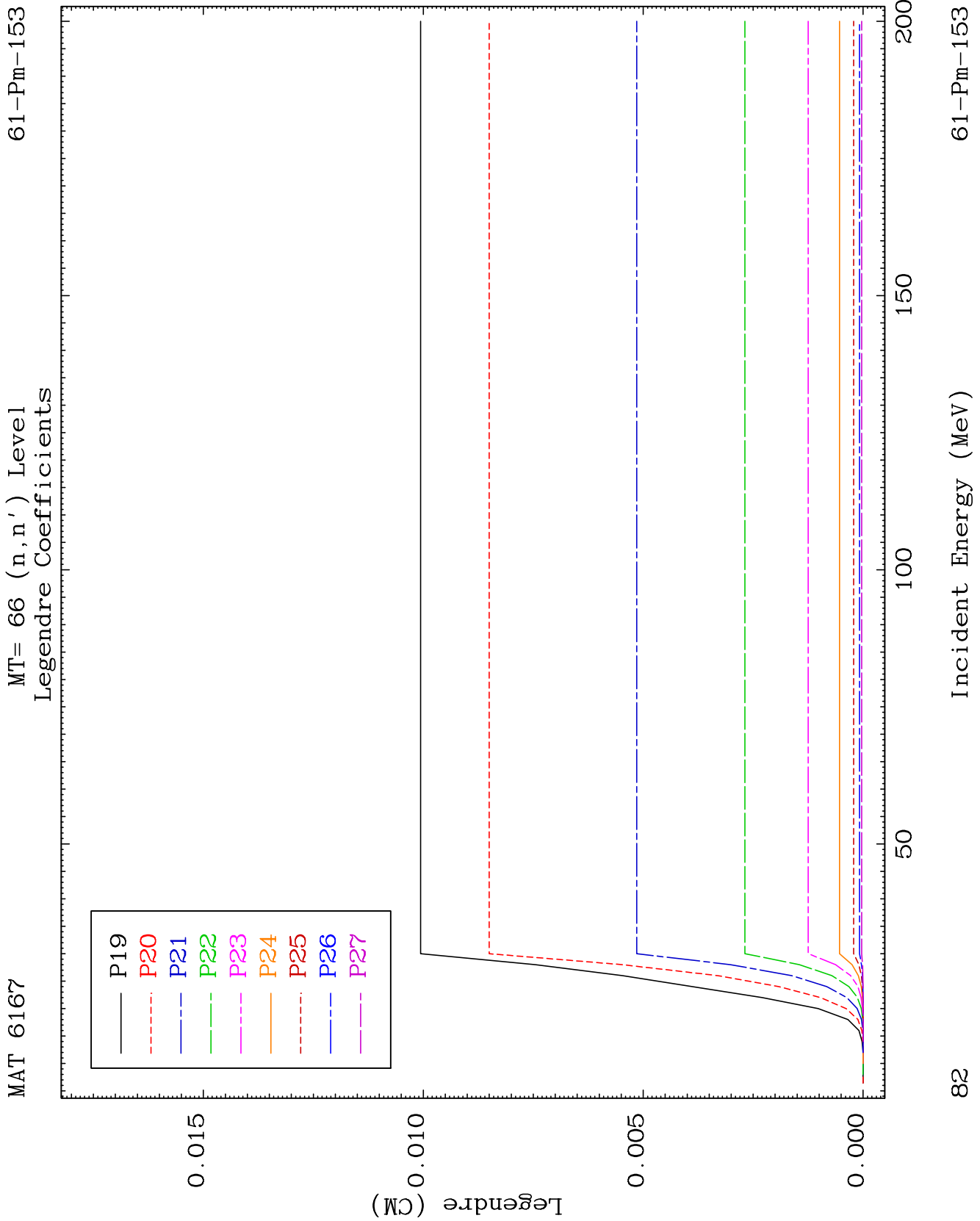


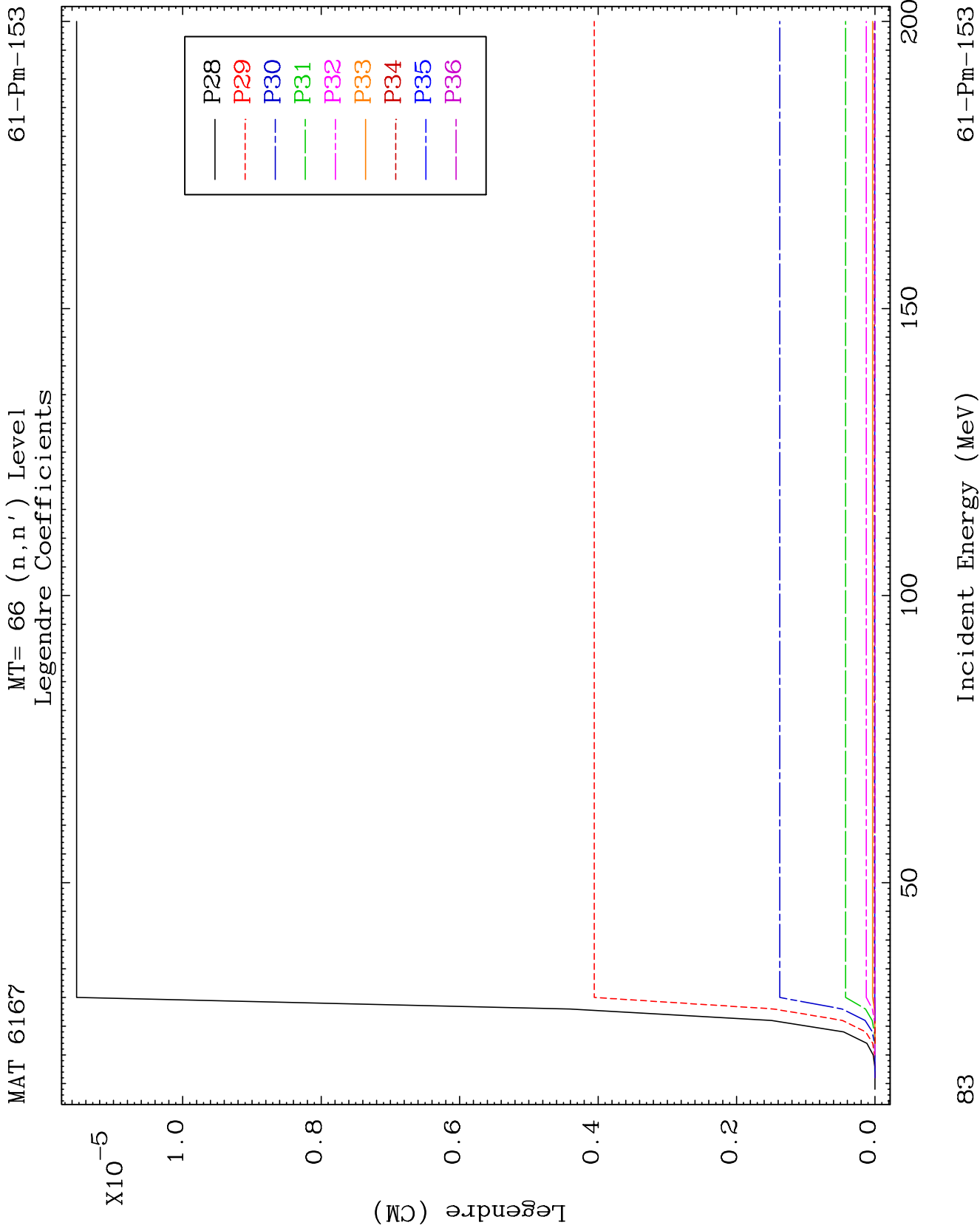
MAT 6167

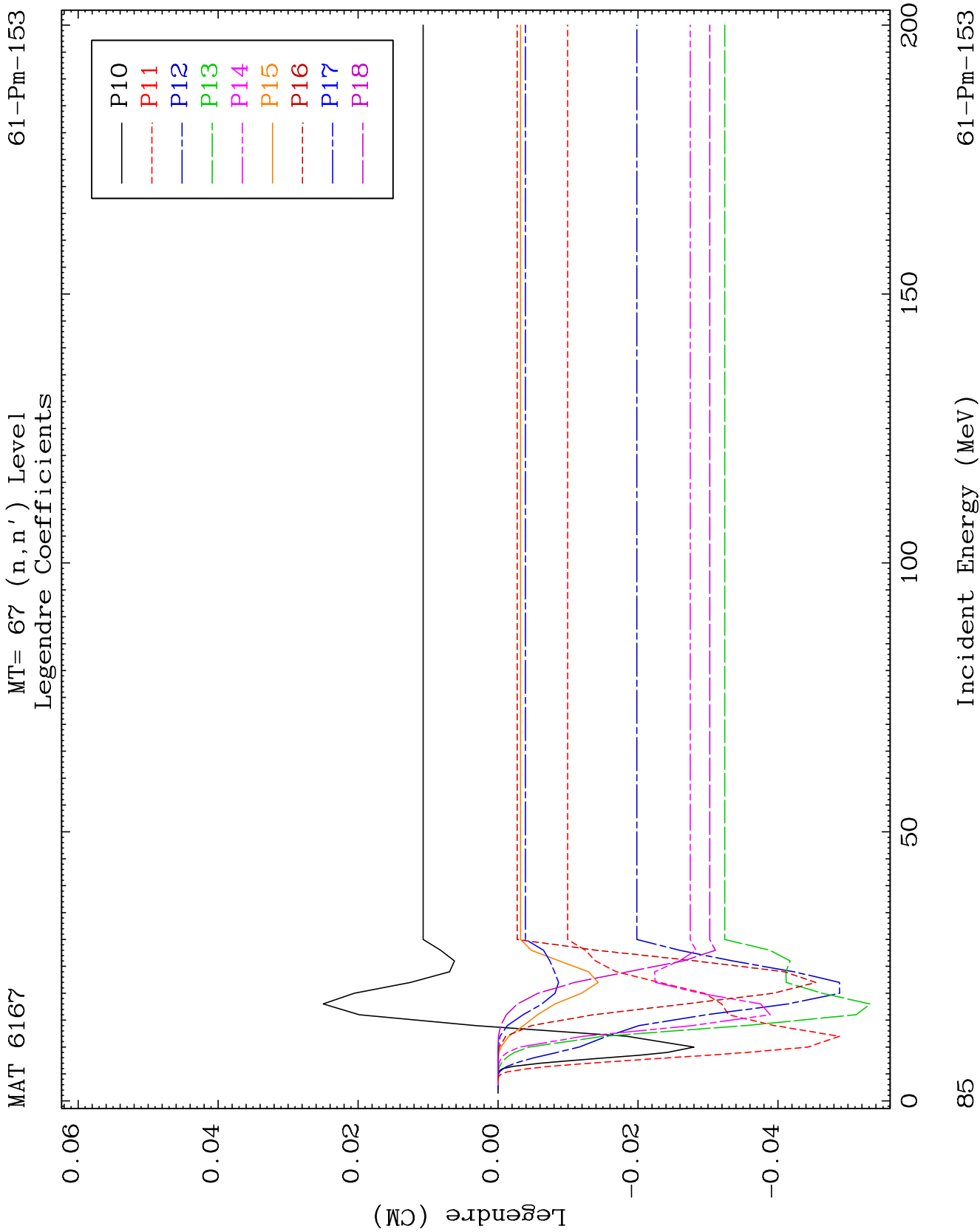
MT= 66 (n, n') Level
Legendre Coefficients

61-Pm-153





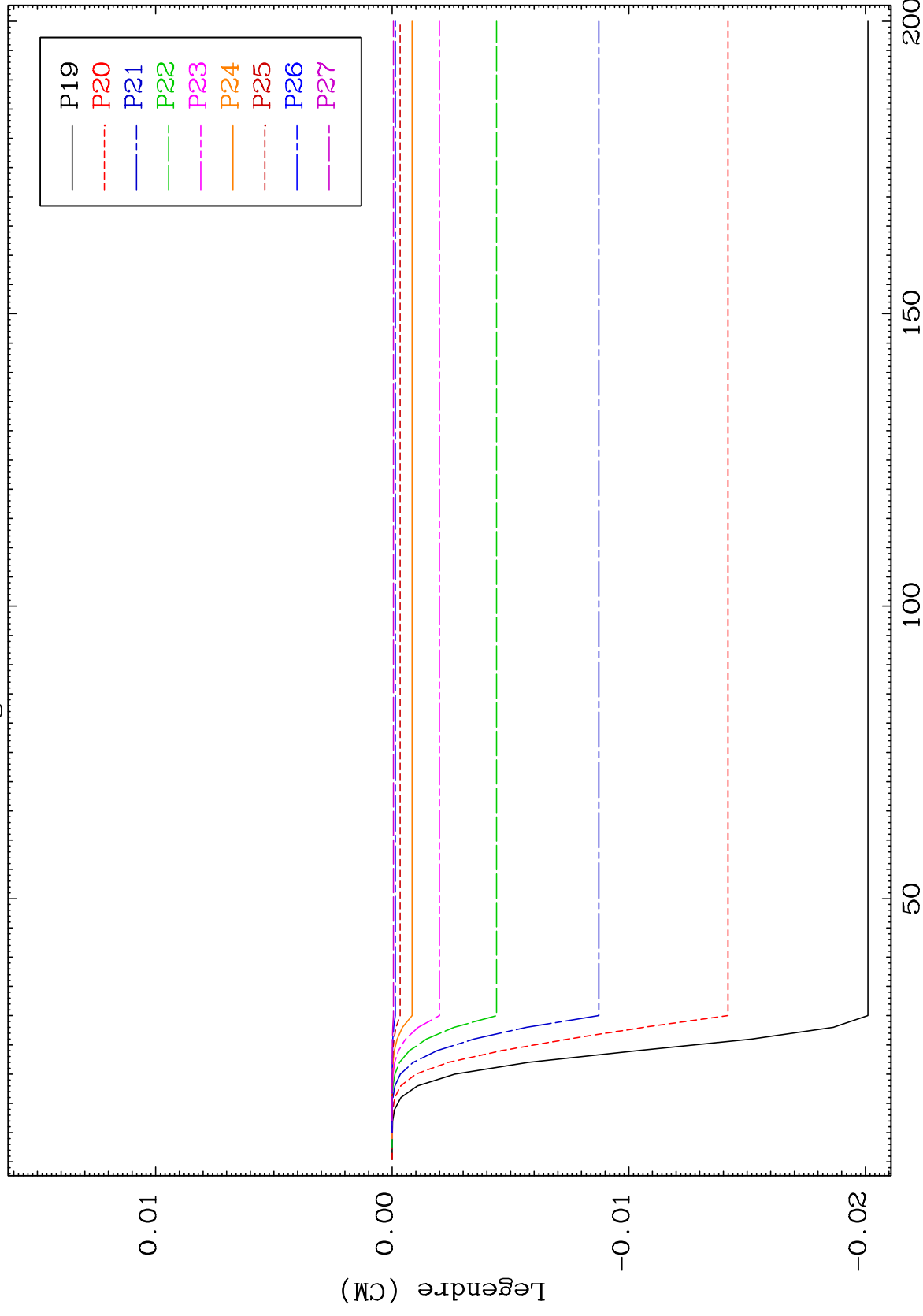




MAT 6167

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

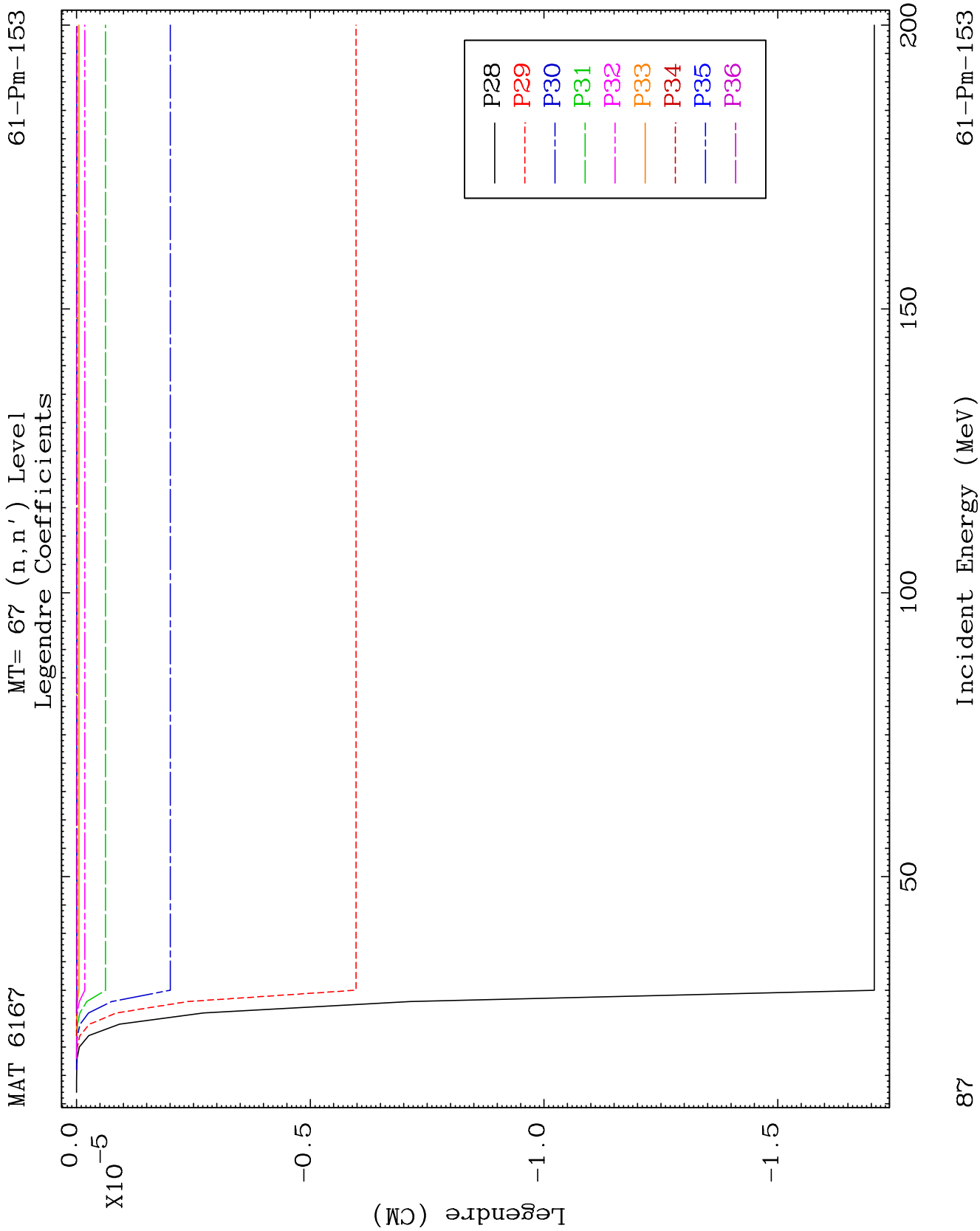
61-Pm-153

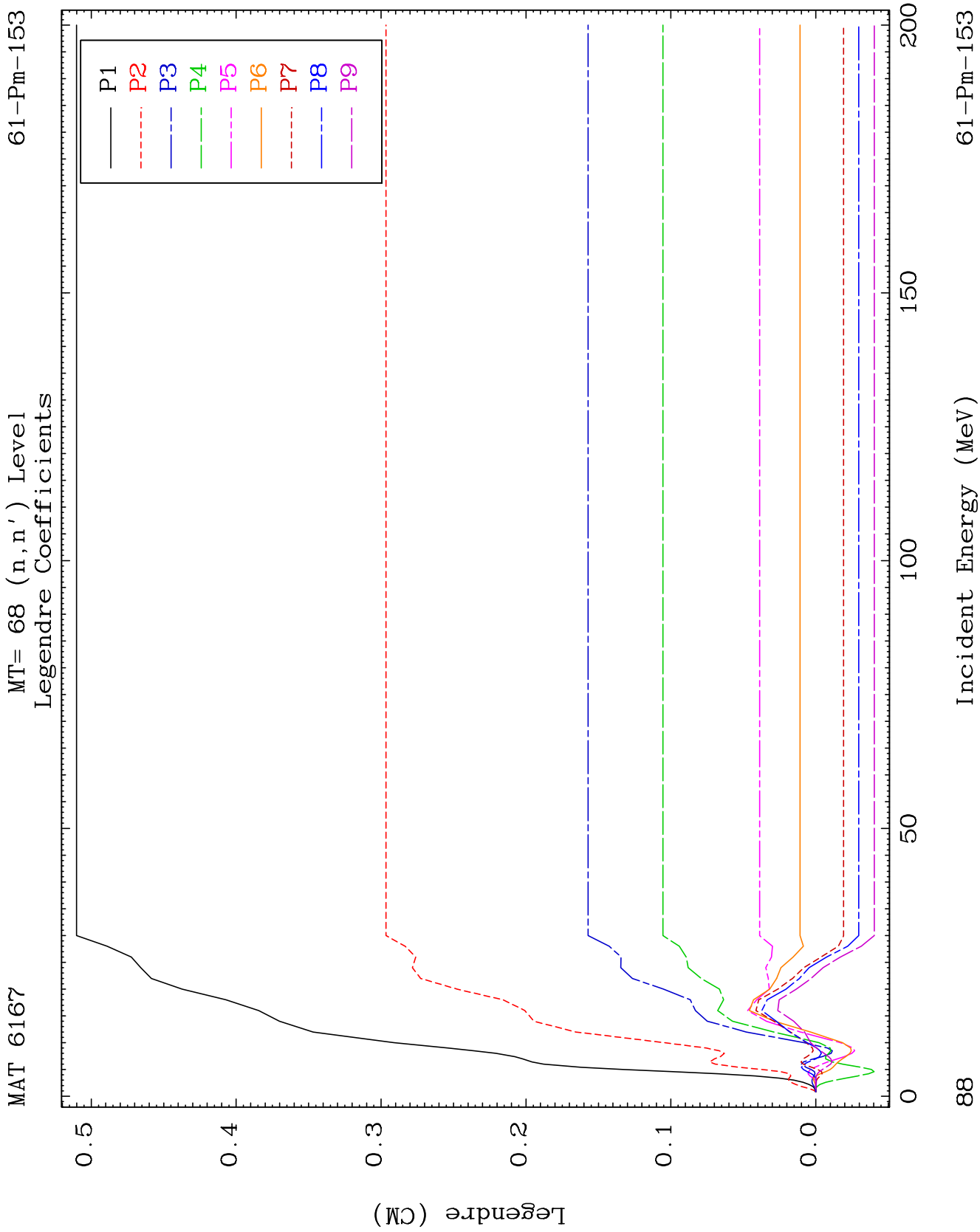


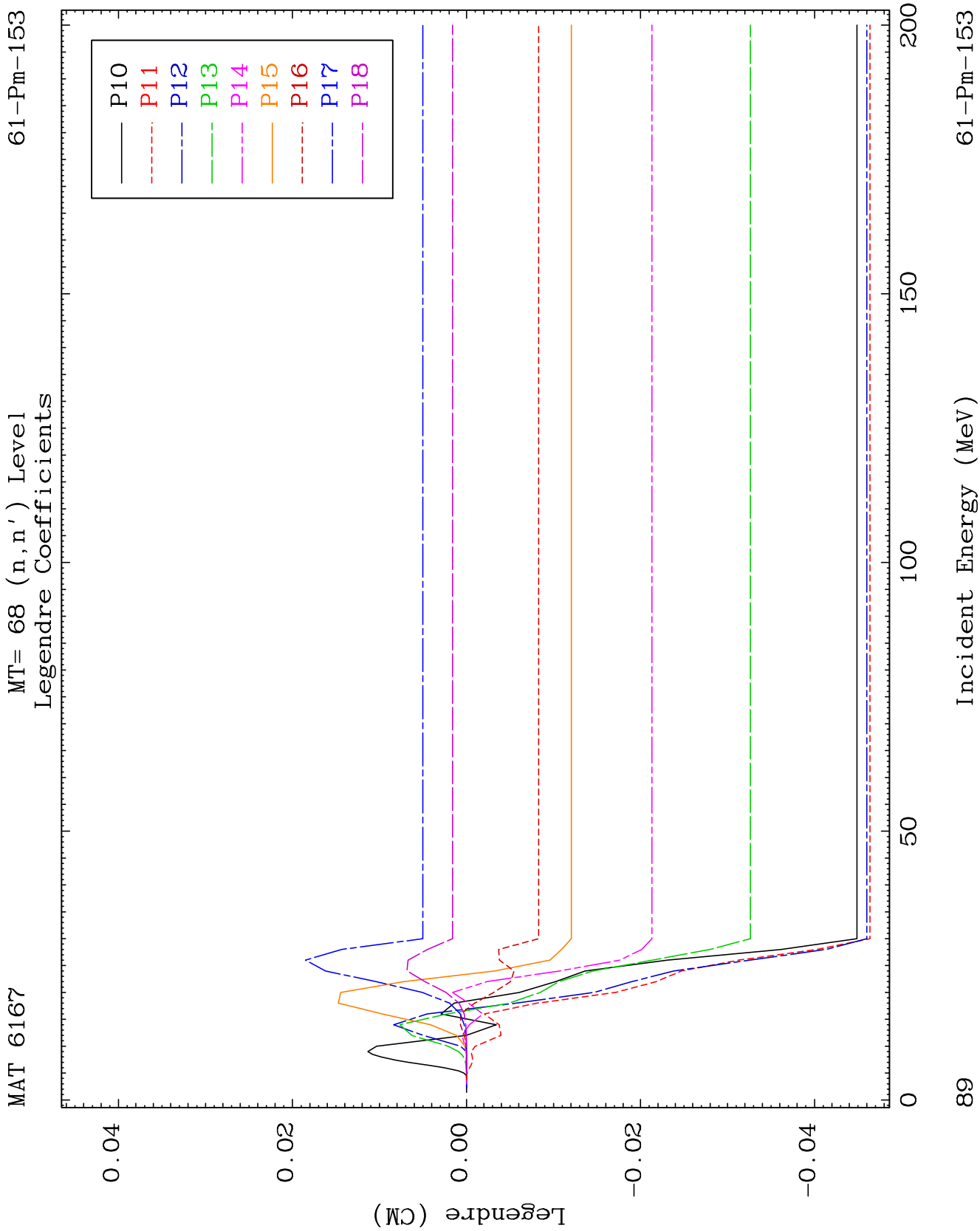
88

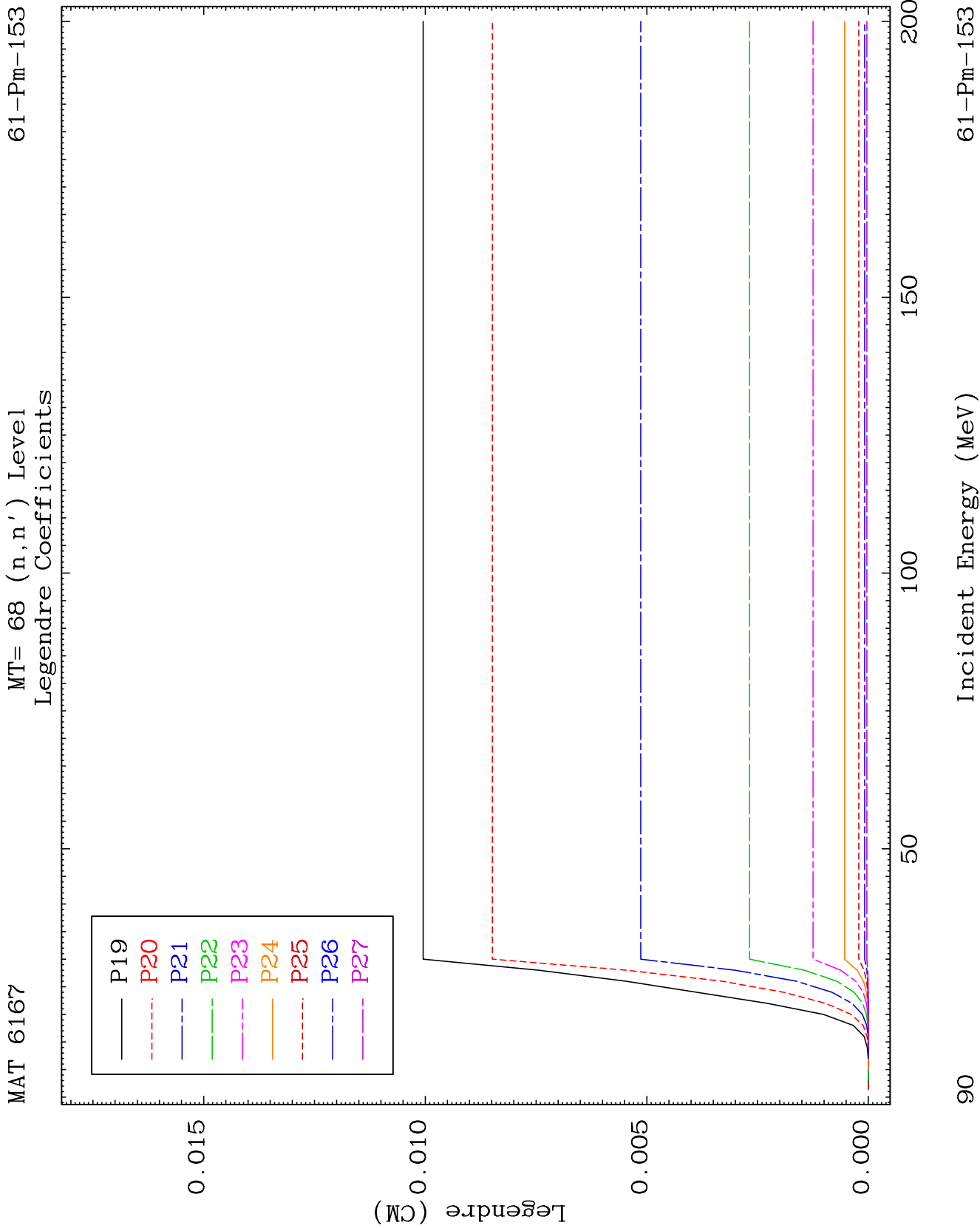
Incident Energy (MeV)

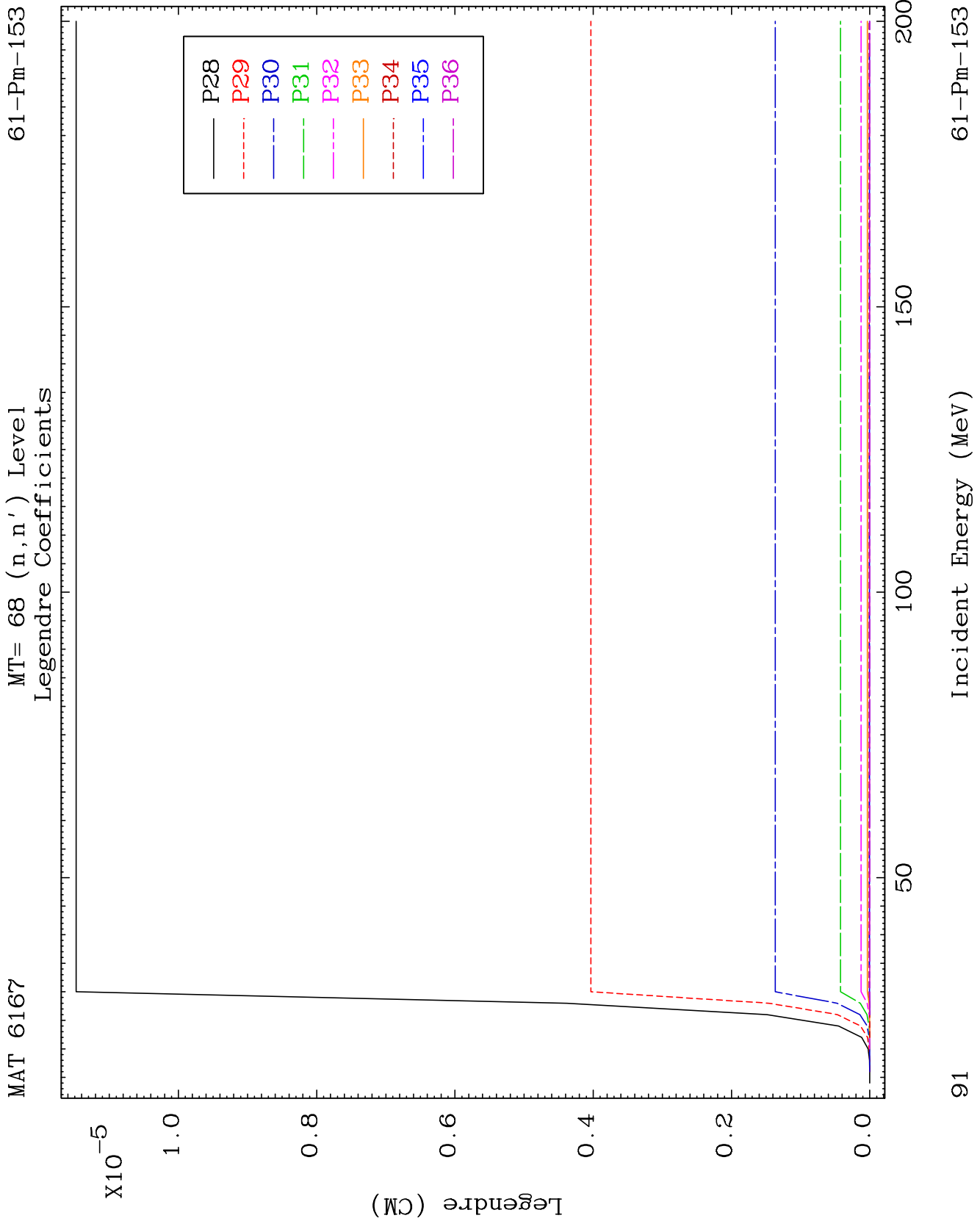
61-Pm-153

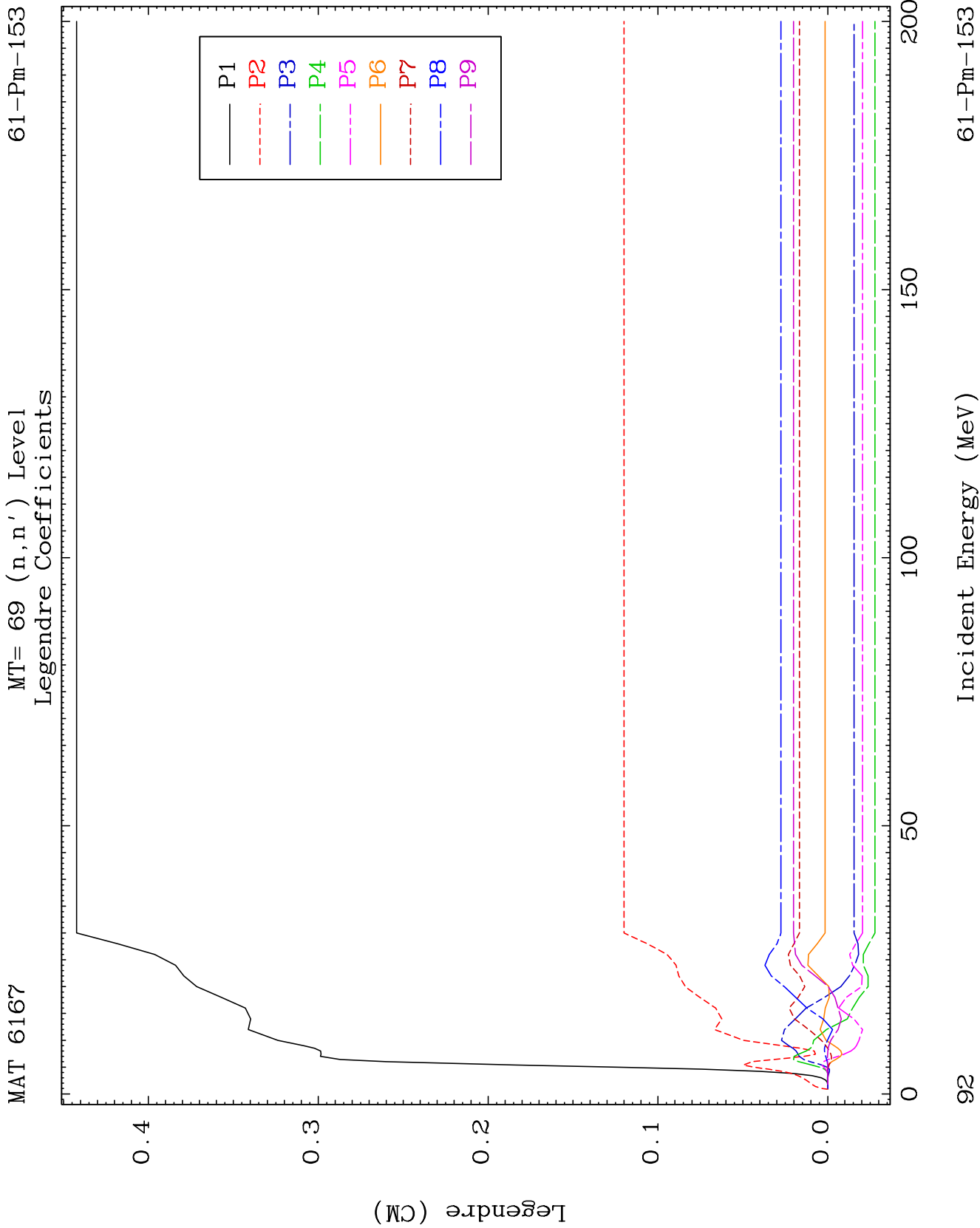


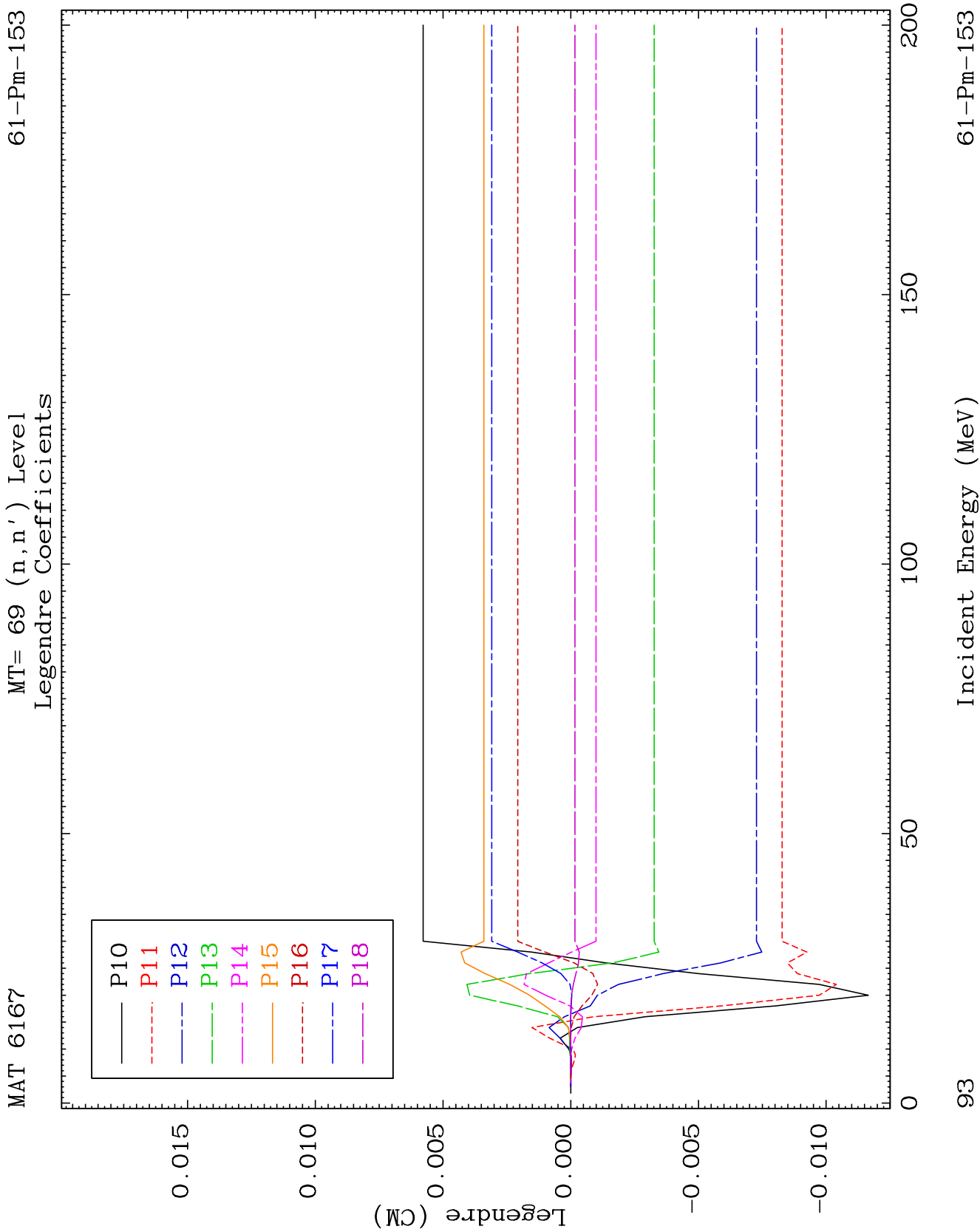


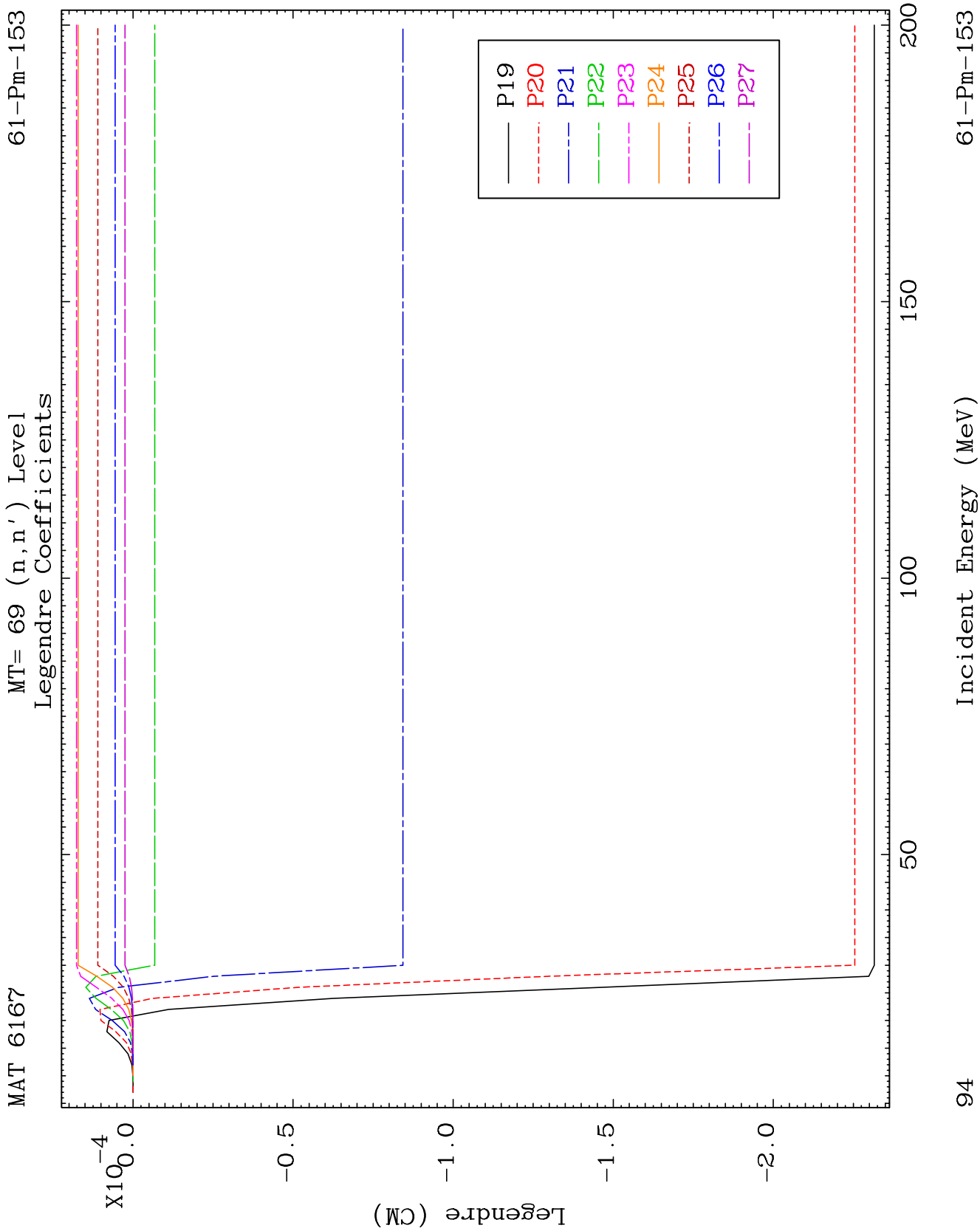








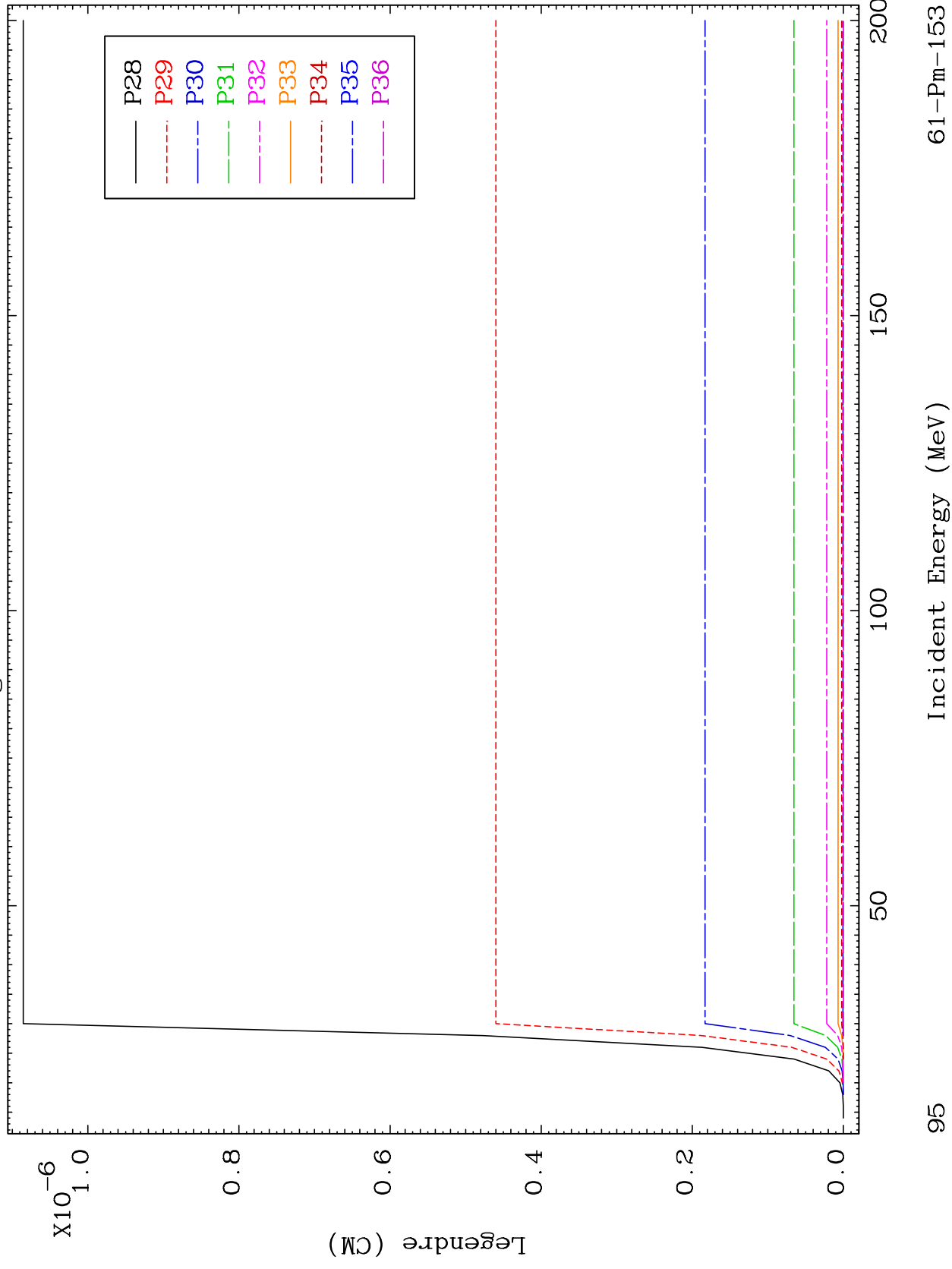


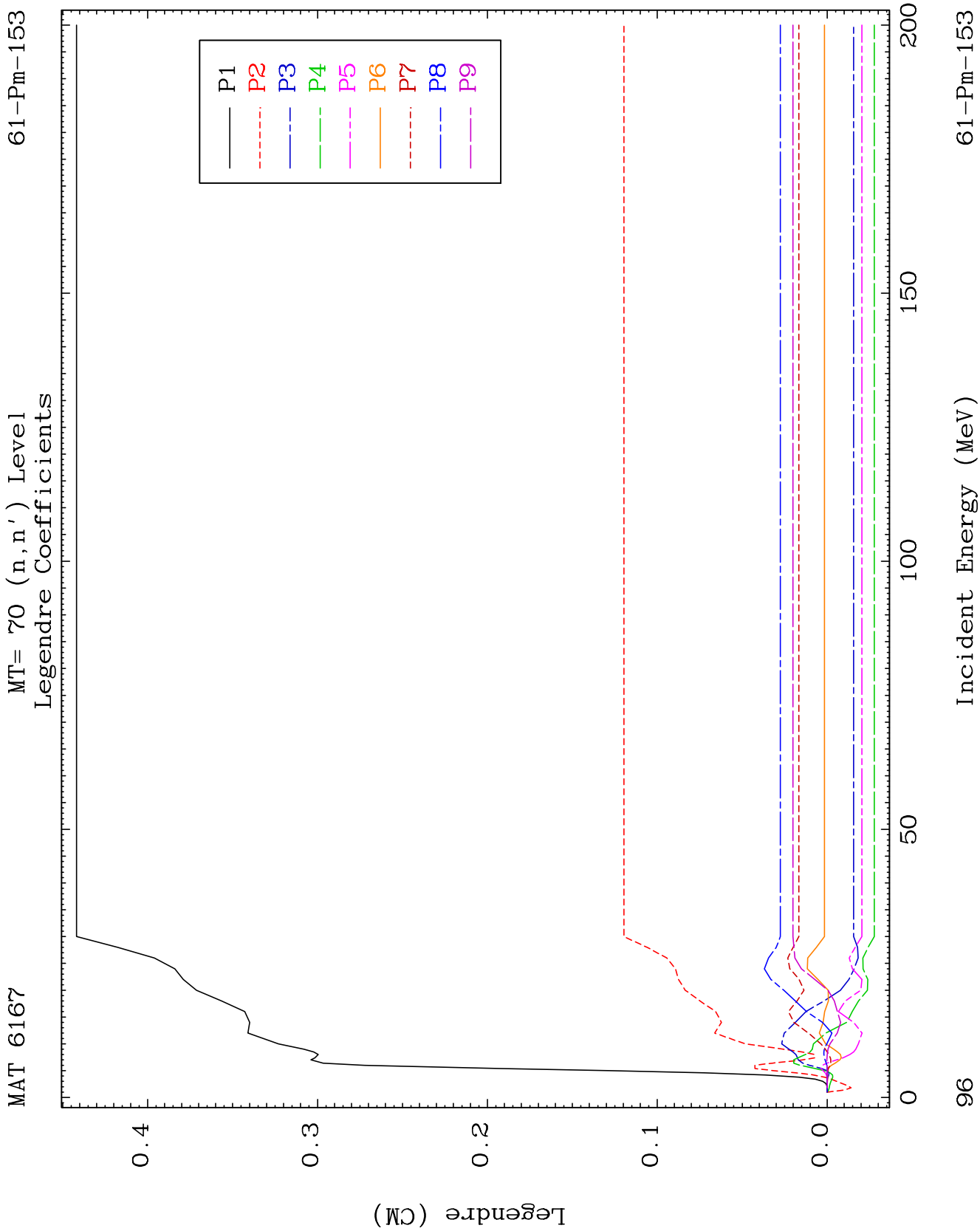


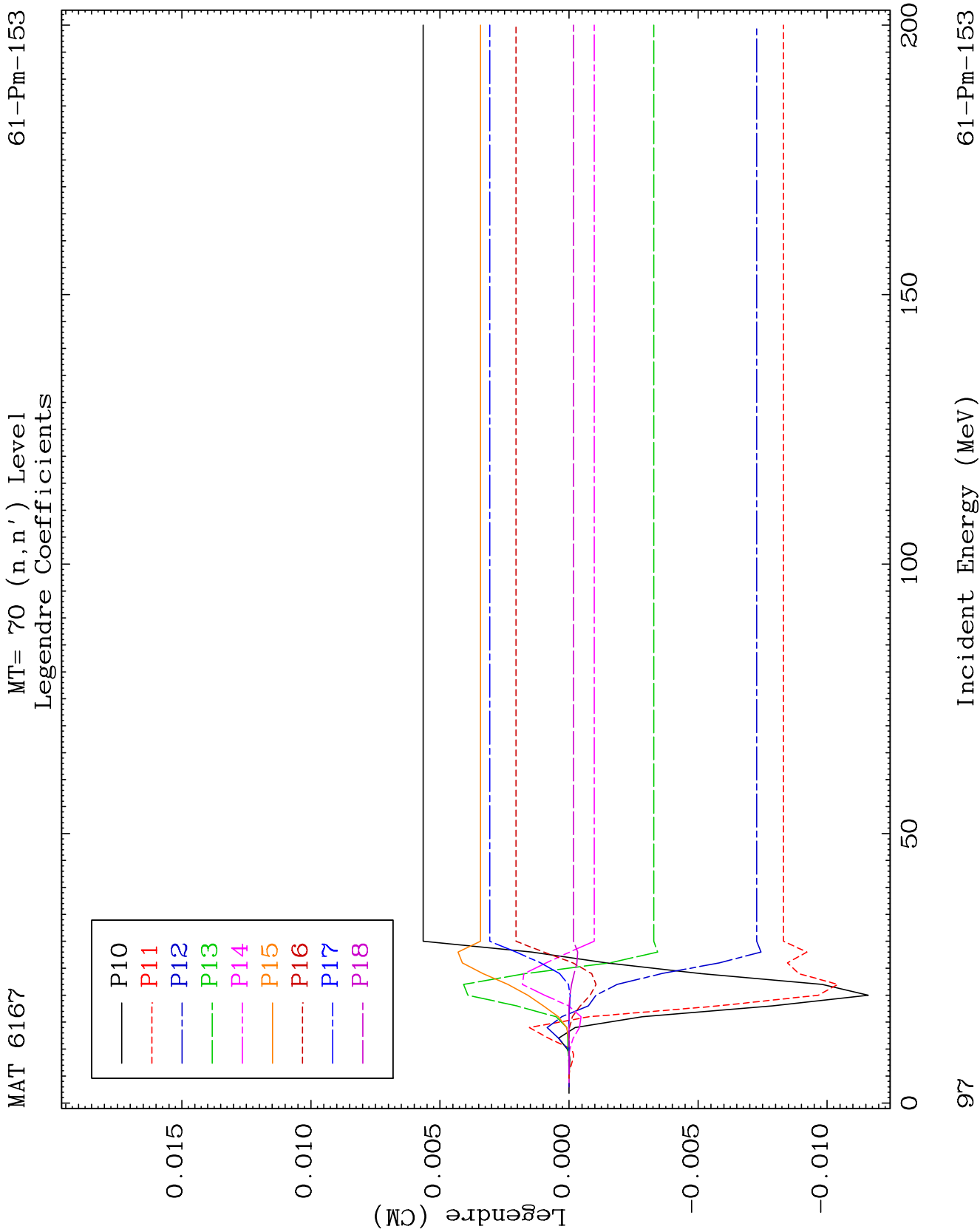
MAT 6167

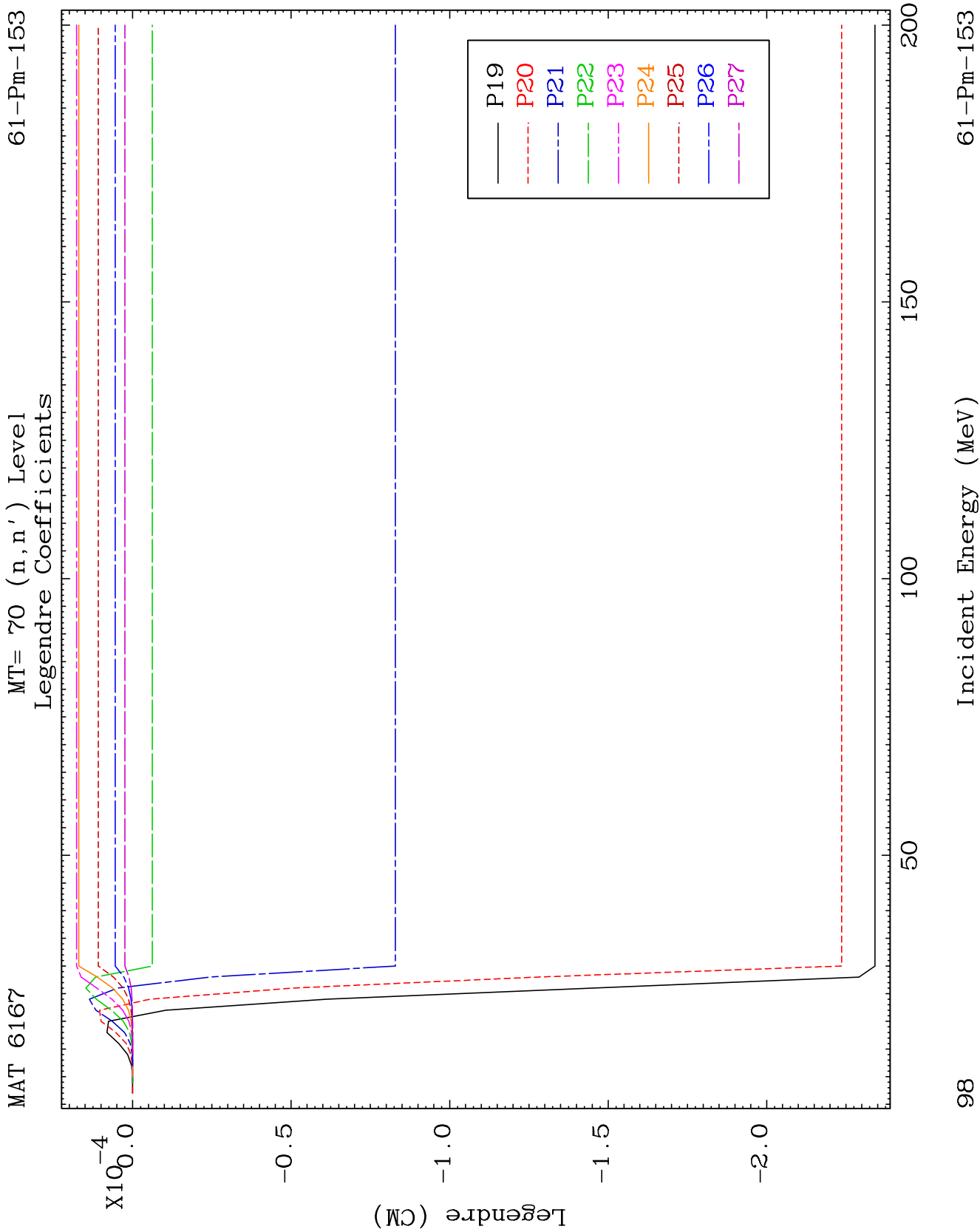
MT= 69 (n, n') Level
Legendre Coefficients

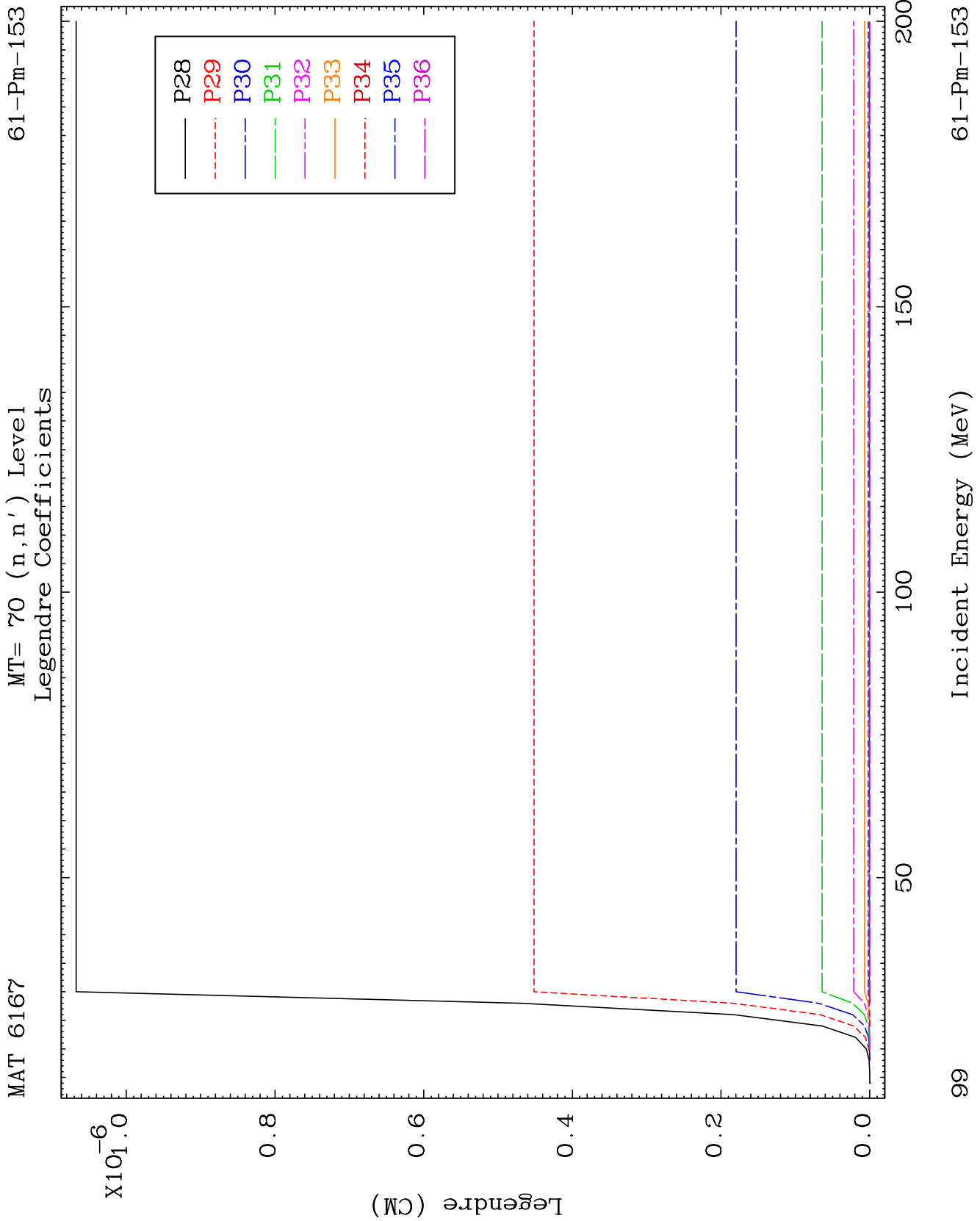
61-Pm-153

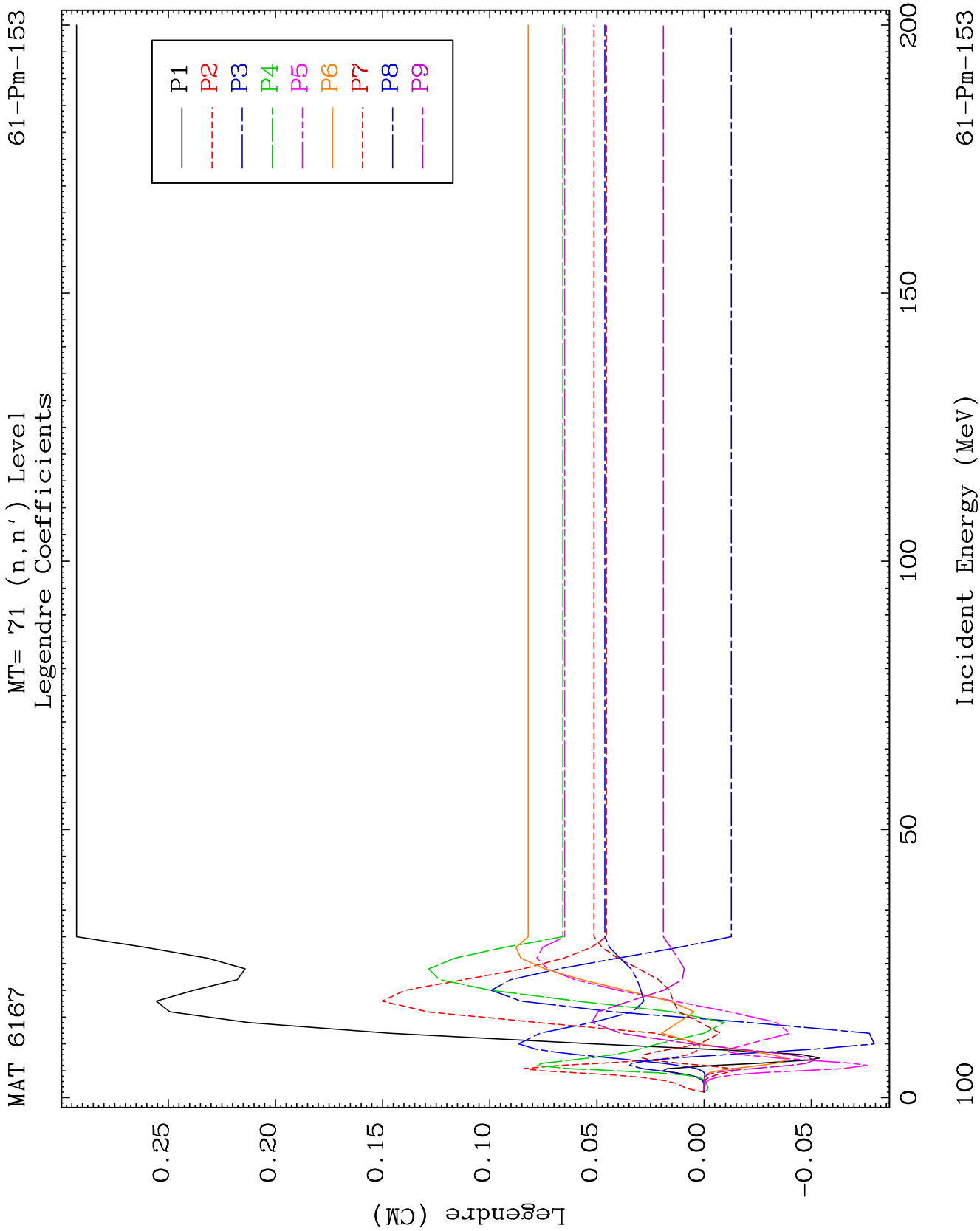








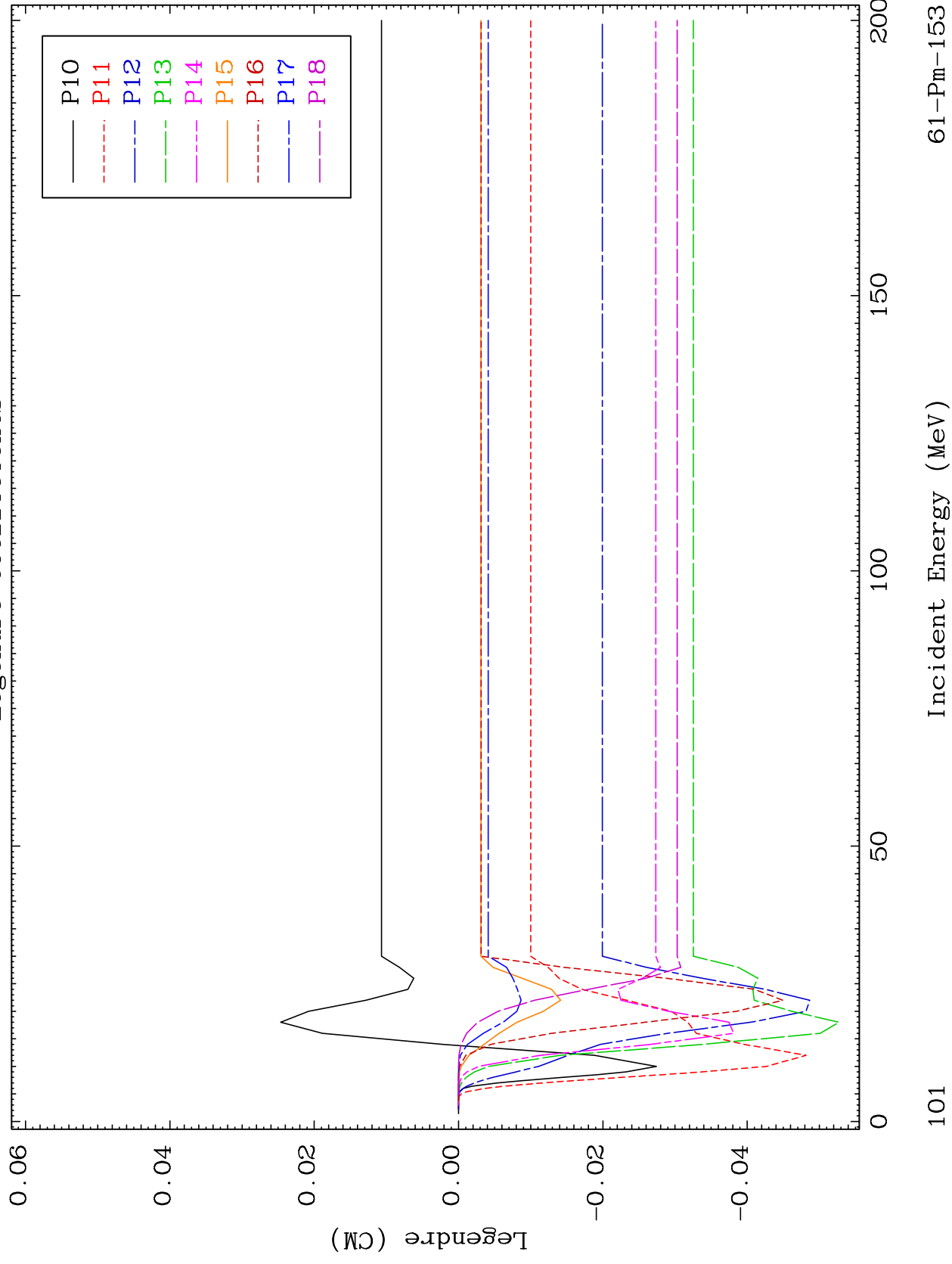


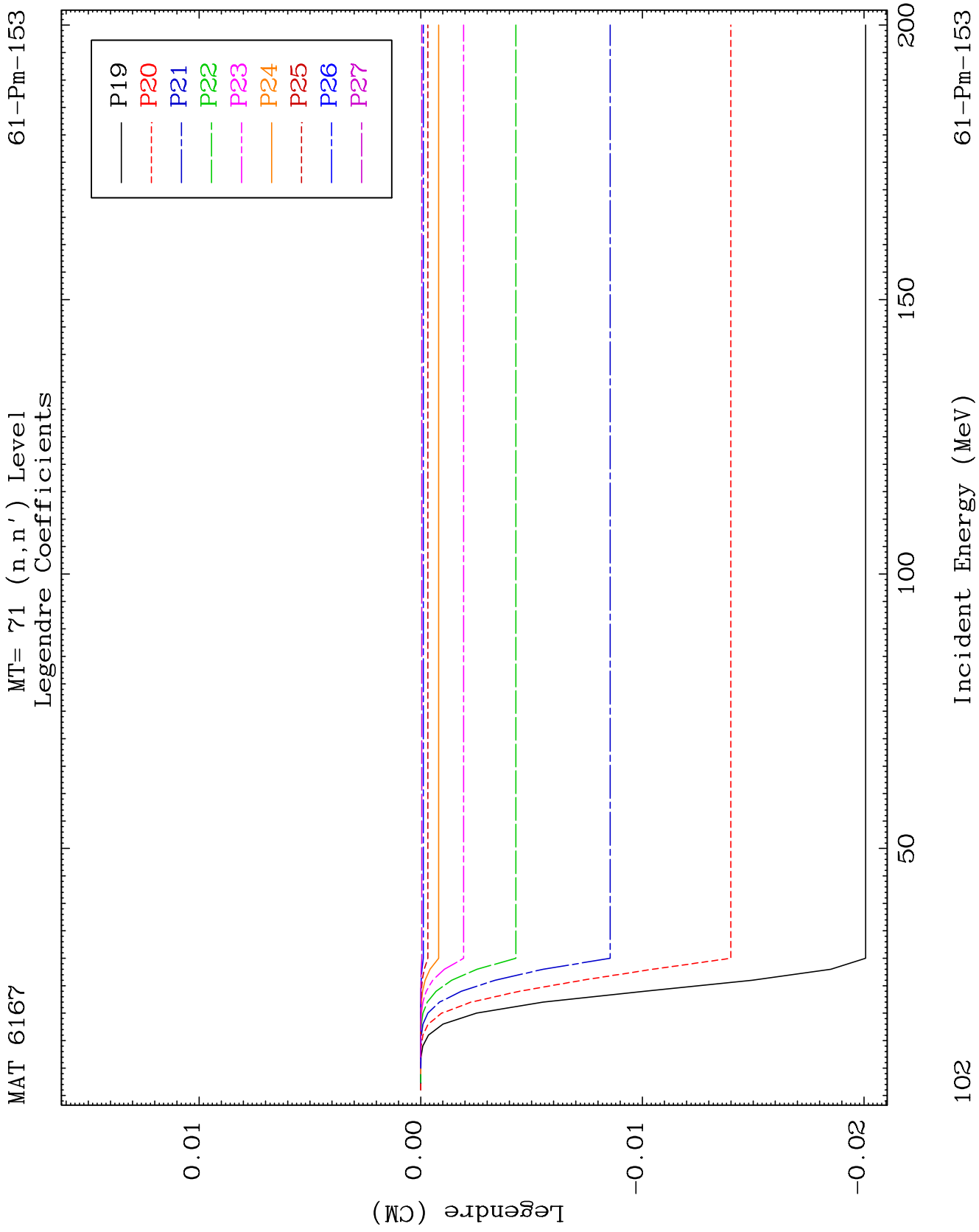


MAT 6167

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

61-Pm-153

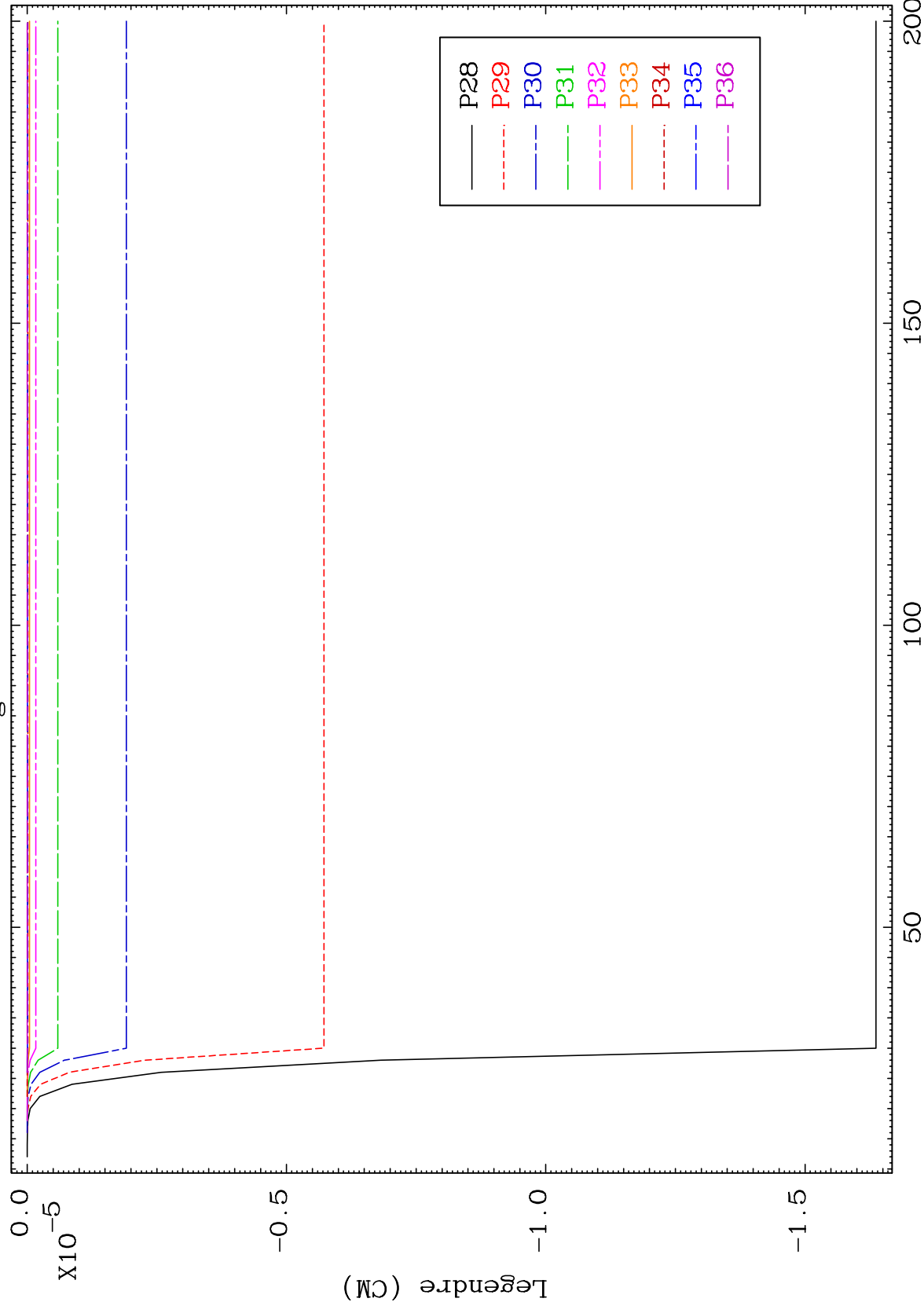




MAT 6167

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

61-Pm-153



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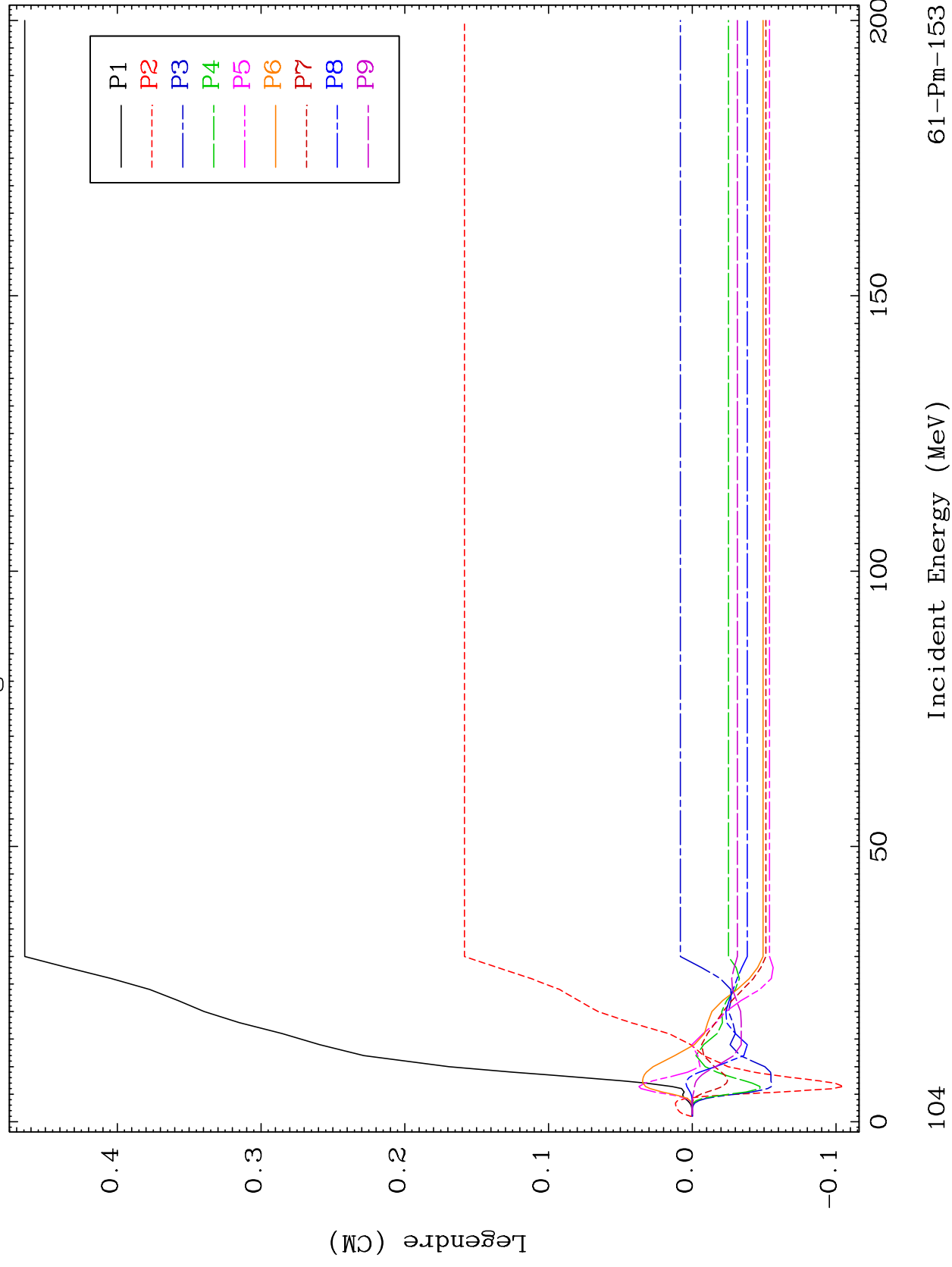
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

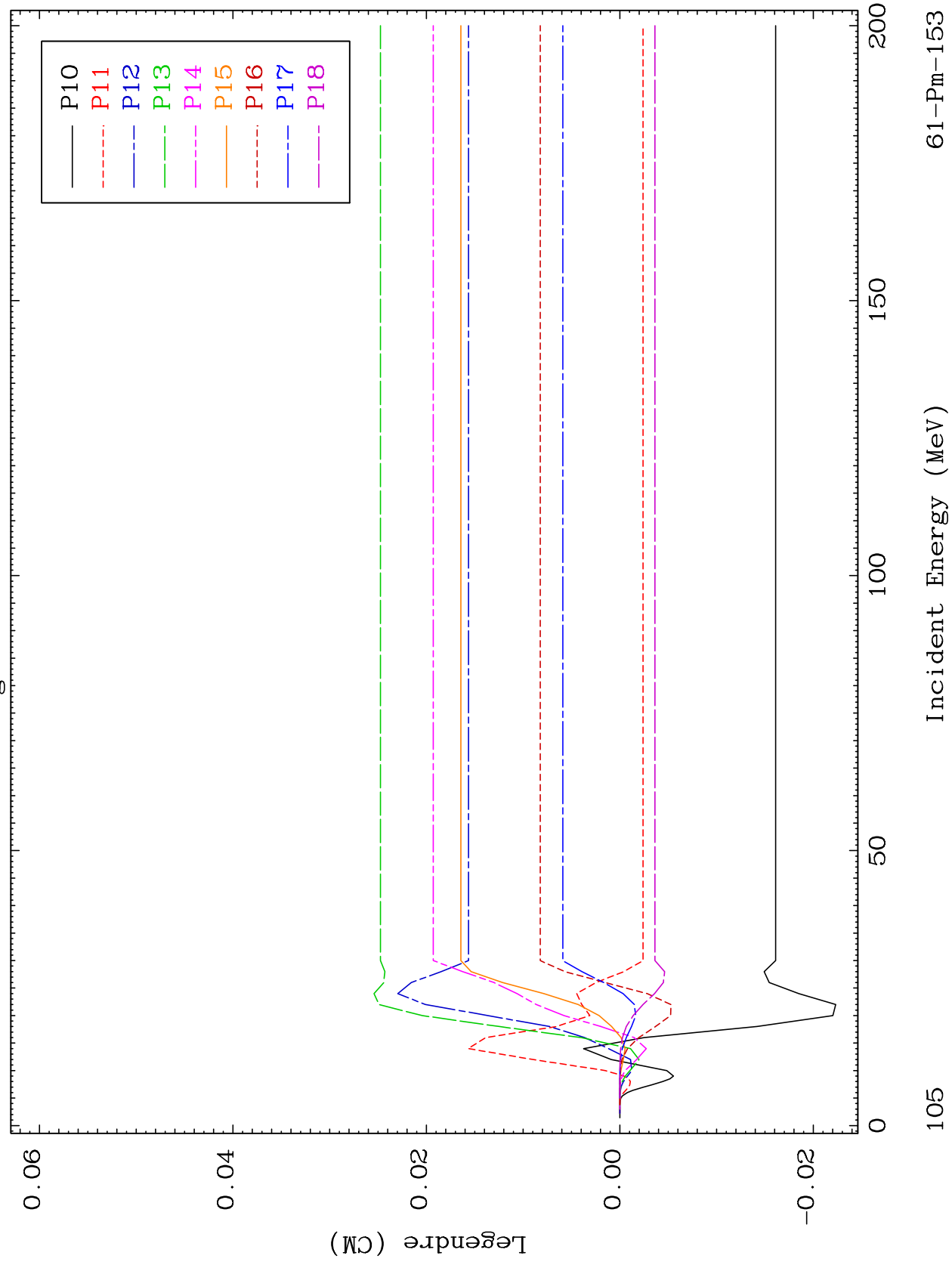
61-Pm-153

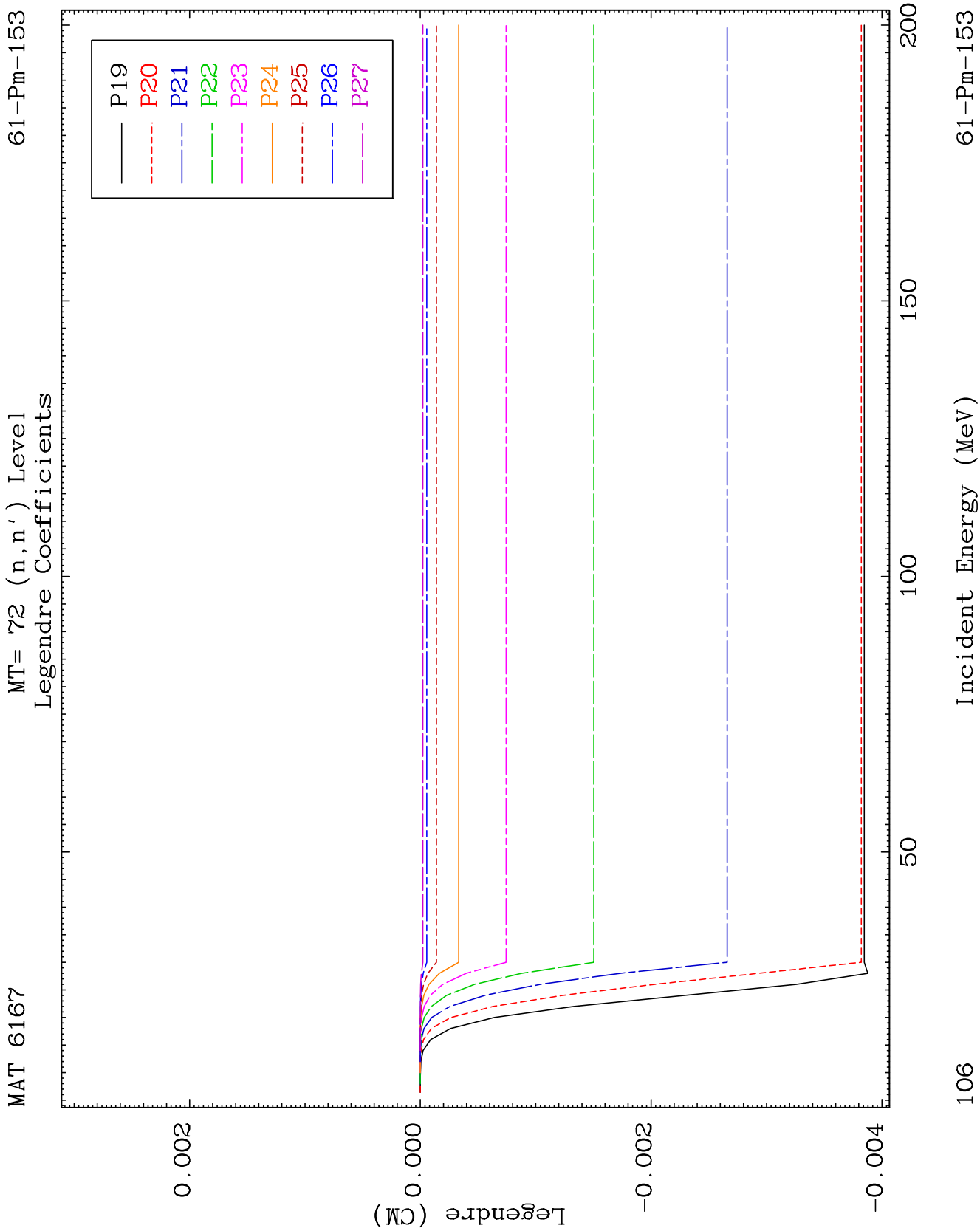


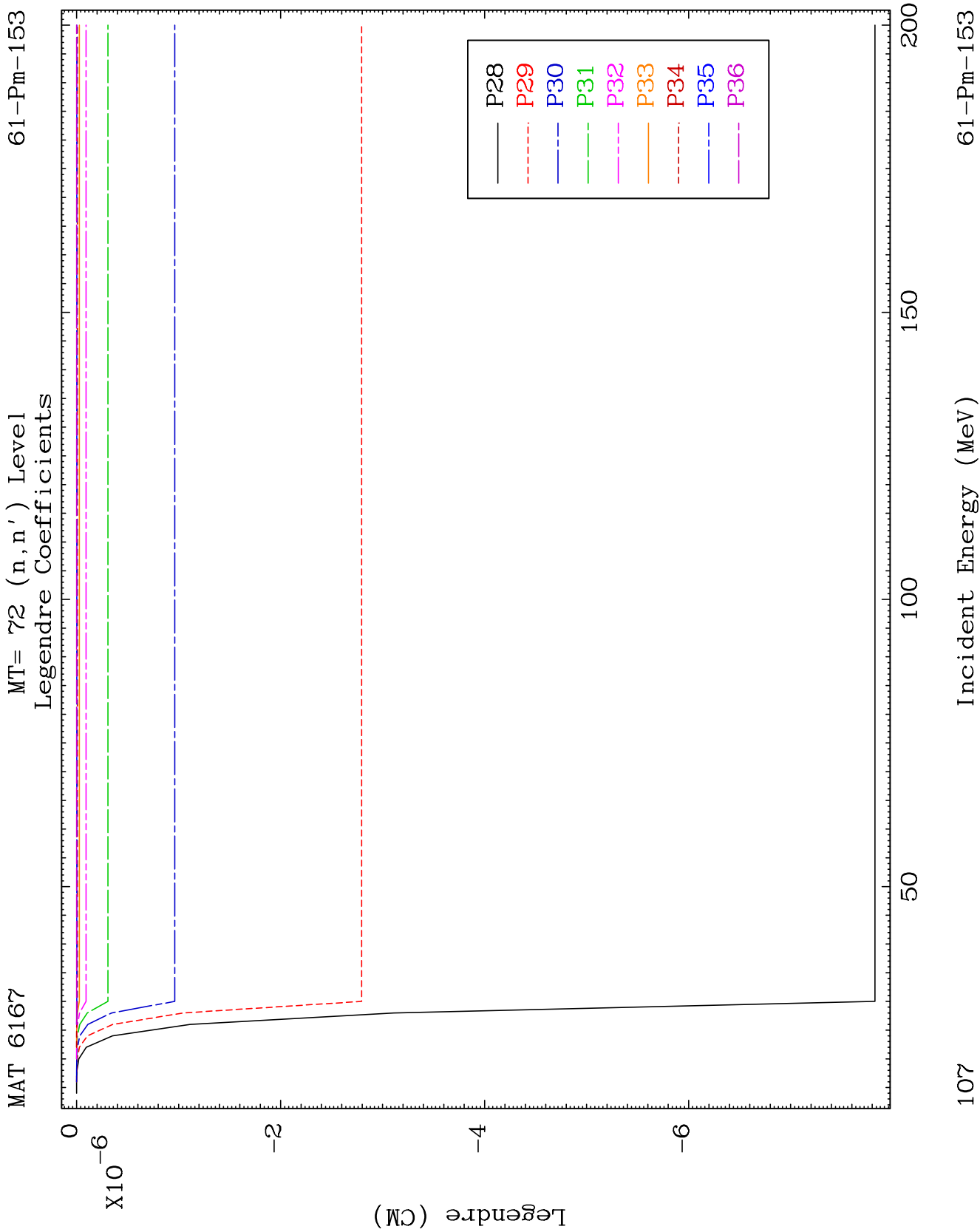
MAT 6167

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

61-Pm-153



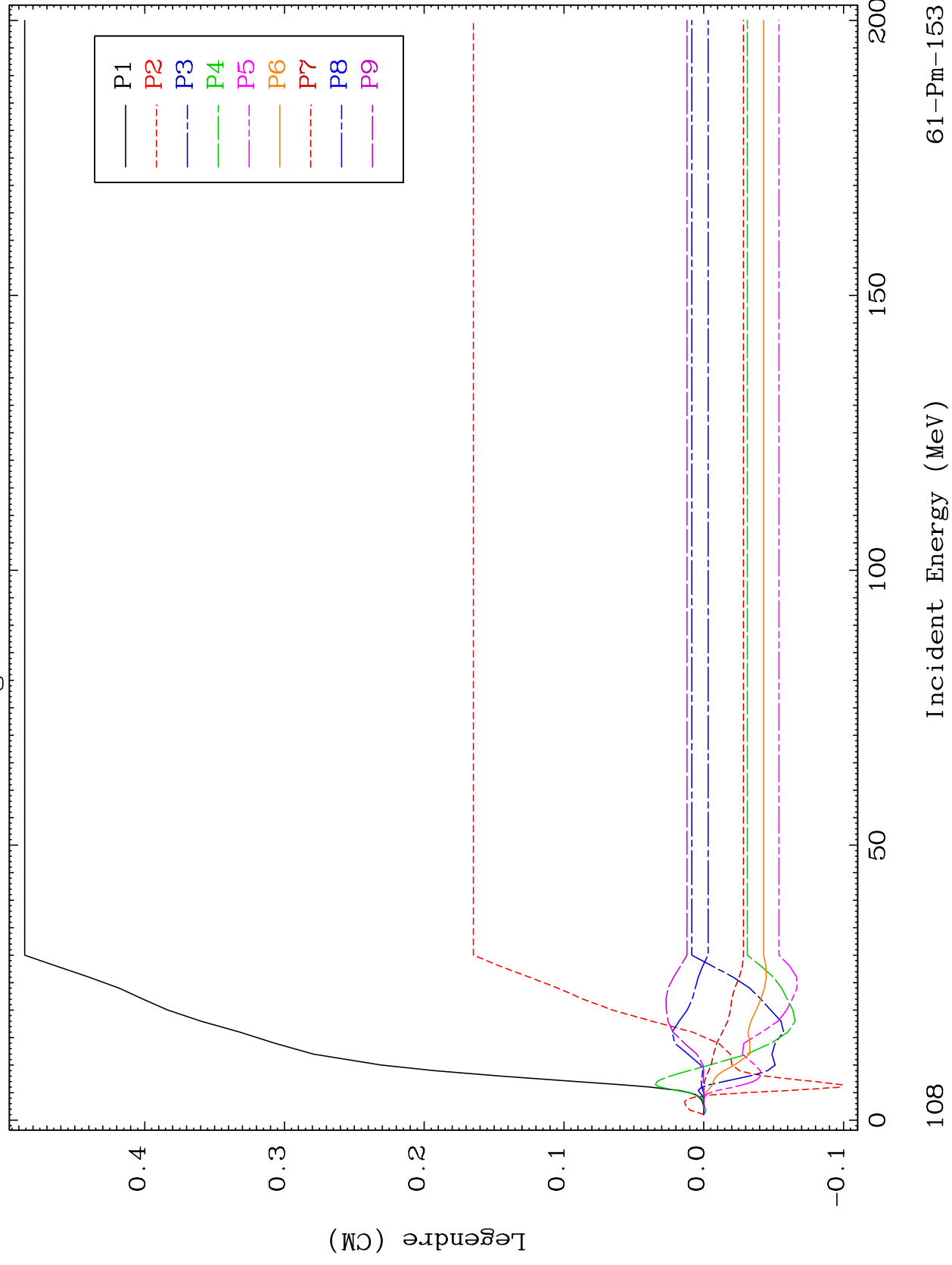


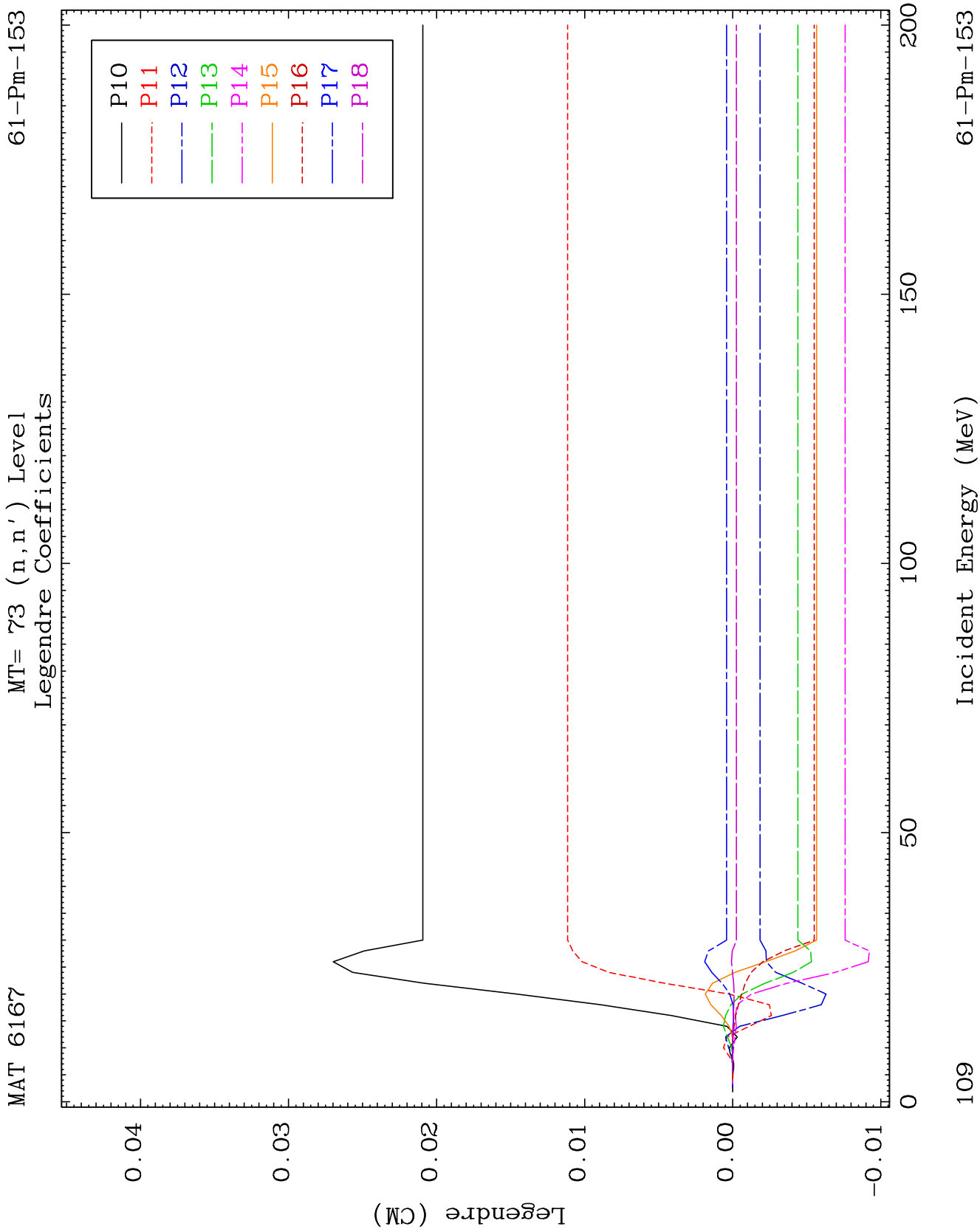


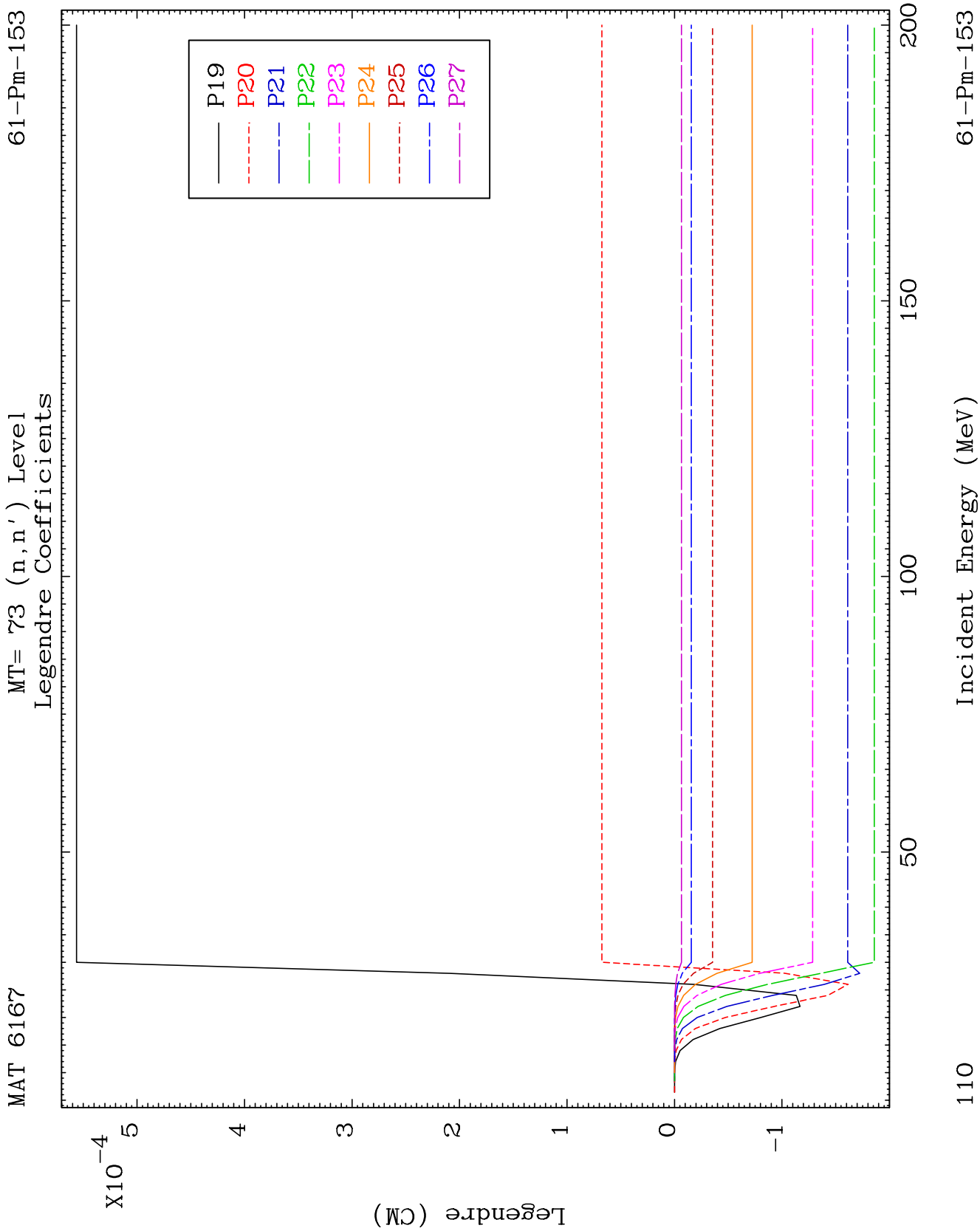
MAT 6167

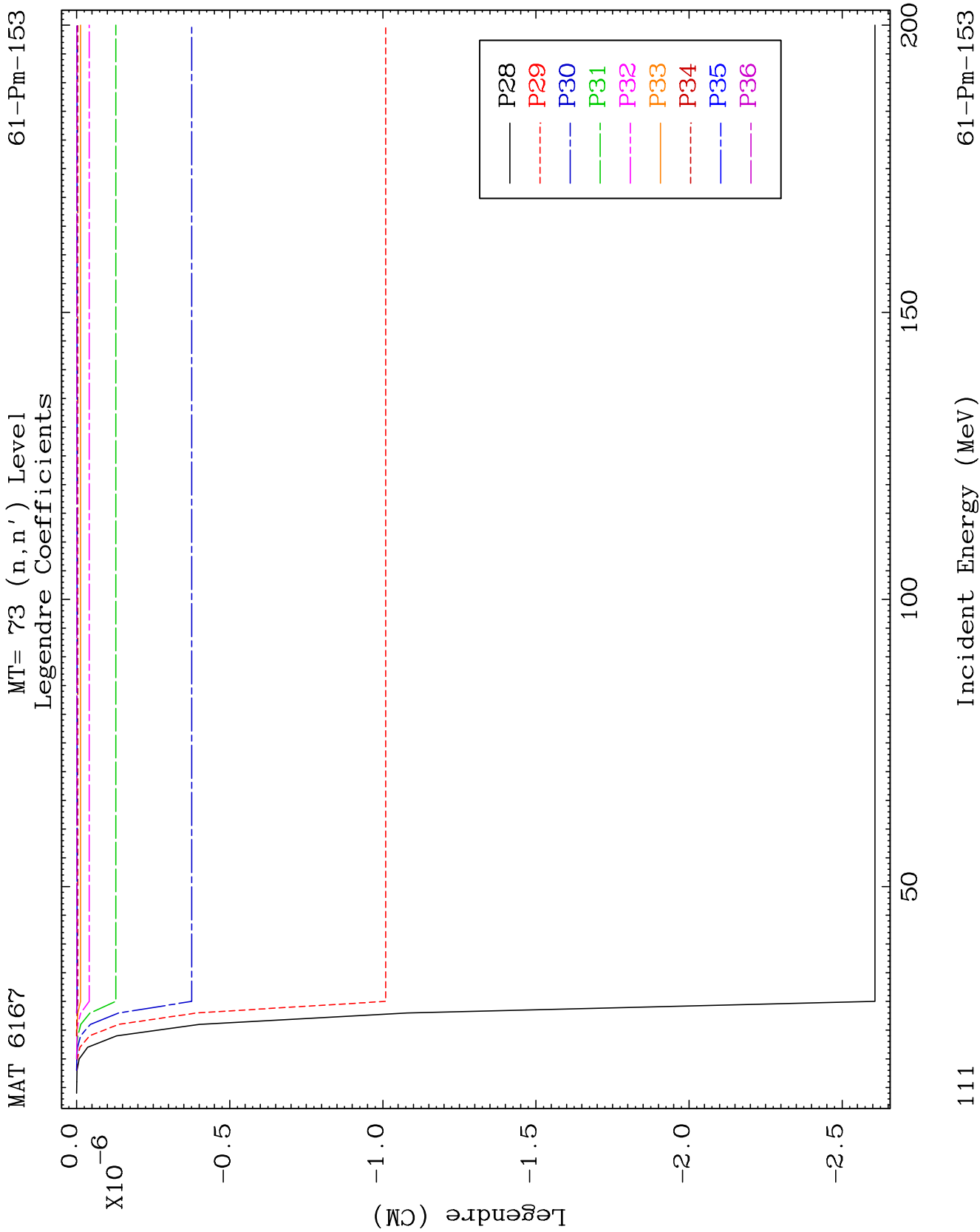
MT= 73 (n, n') Level
Legendre Coefficients

61-Pm-153





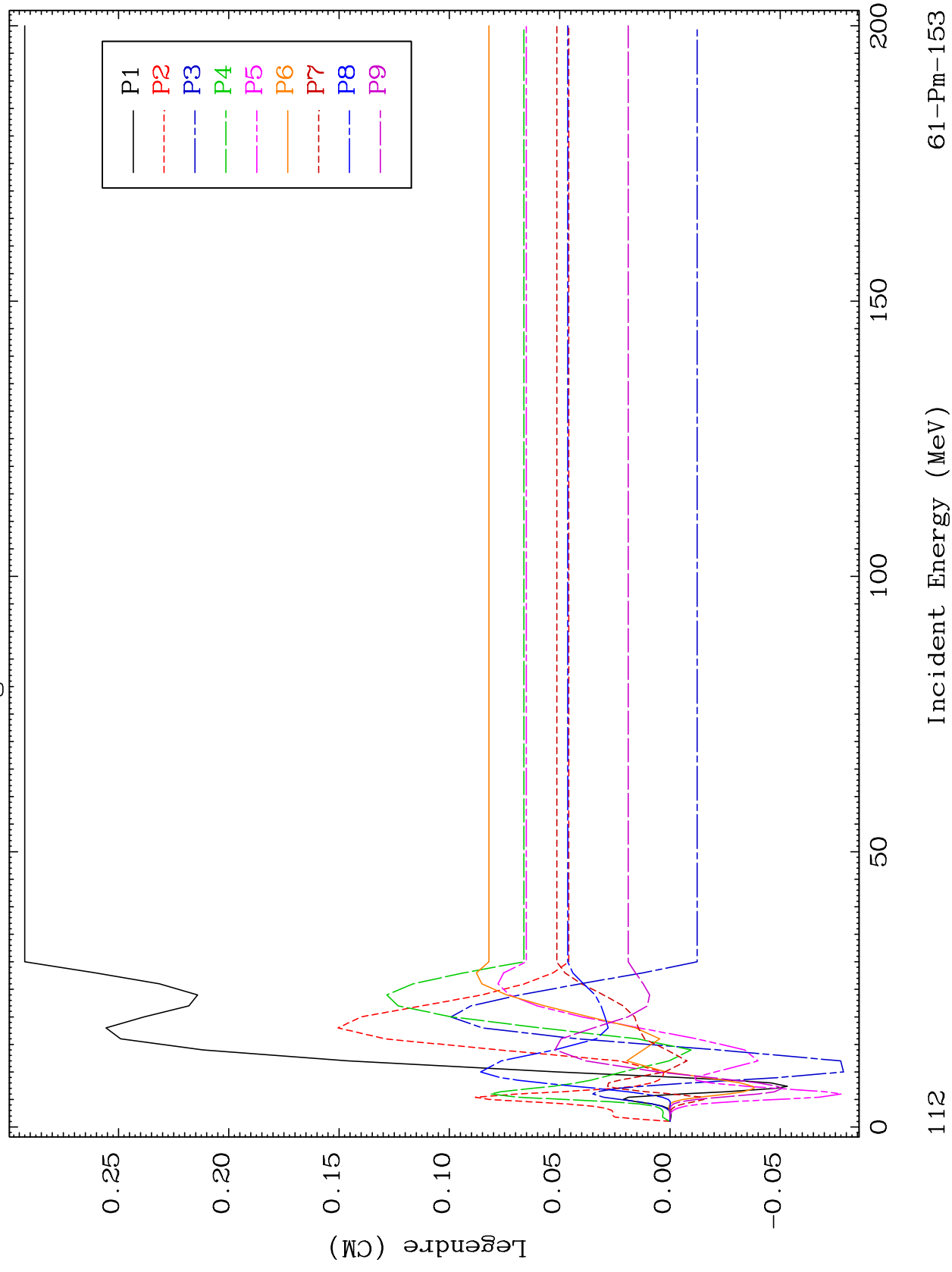


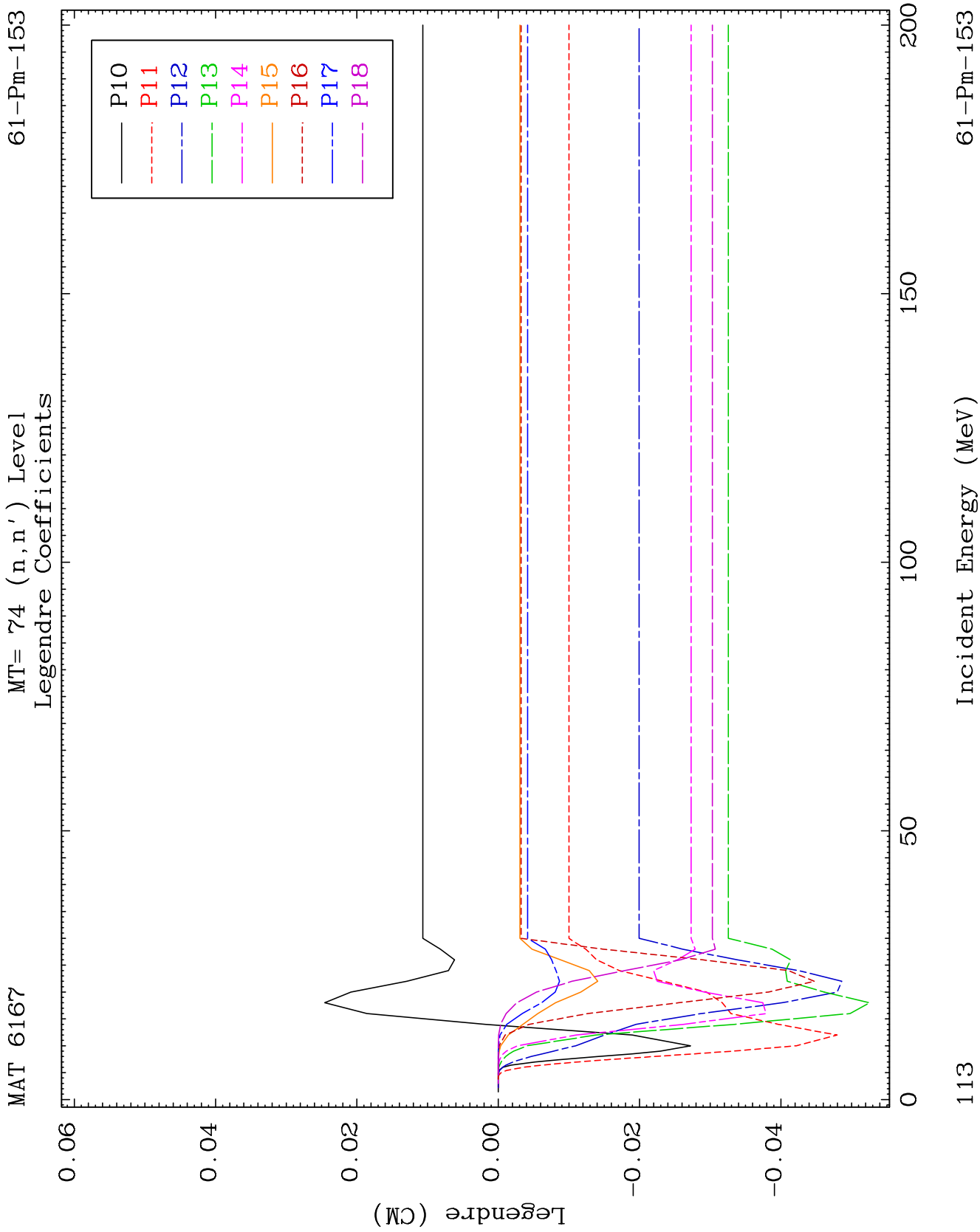


MAT 6167

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

61-Pm-153

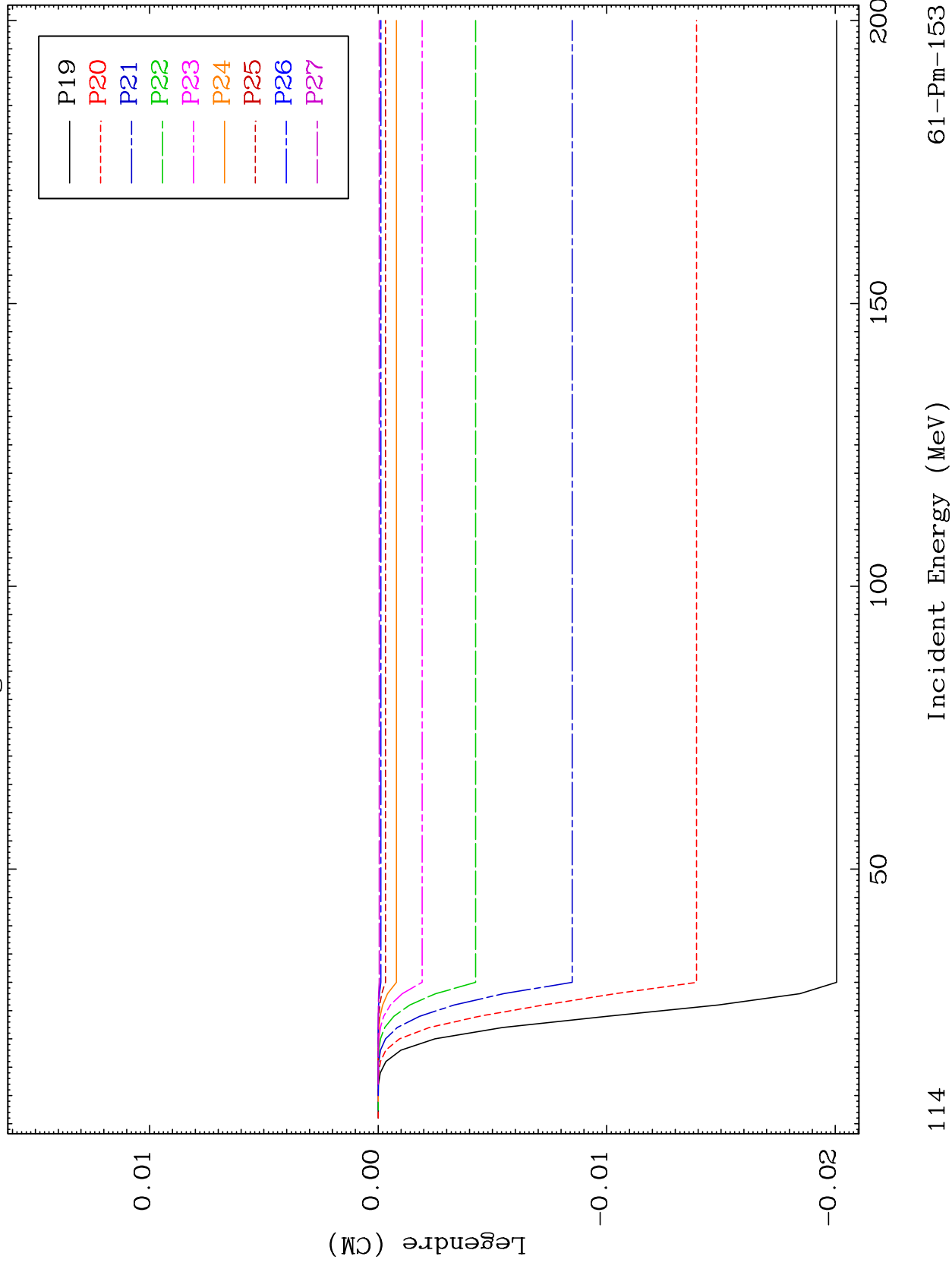


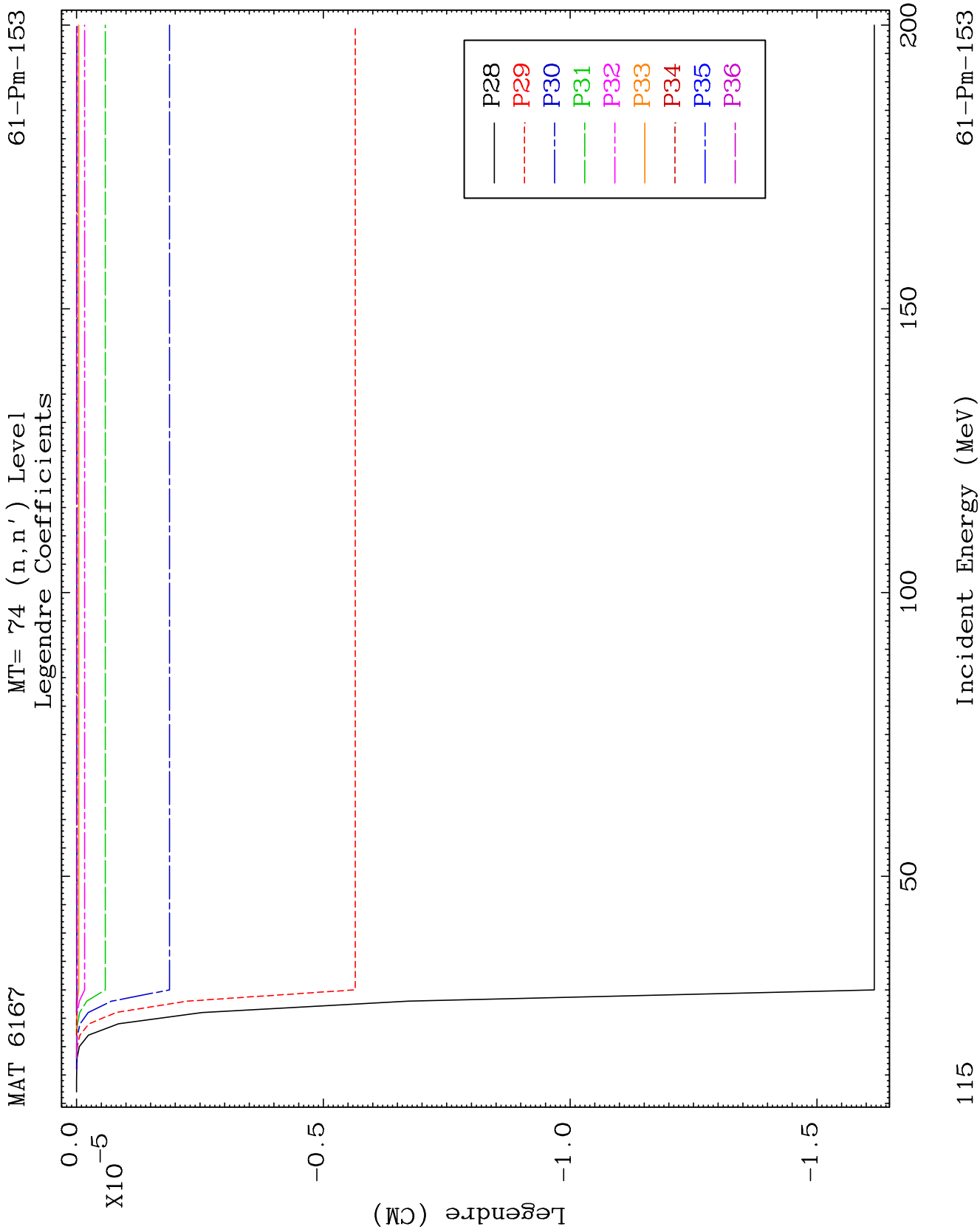


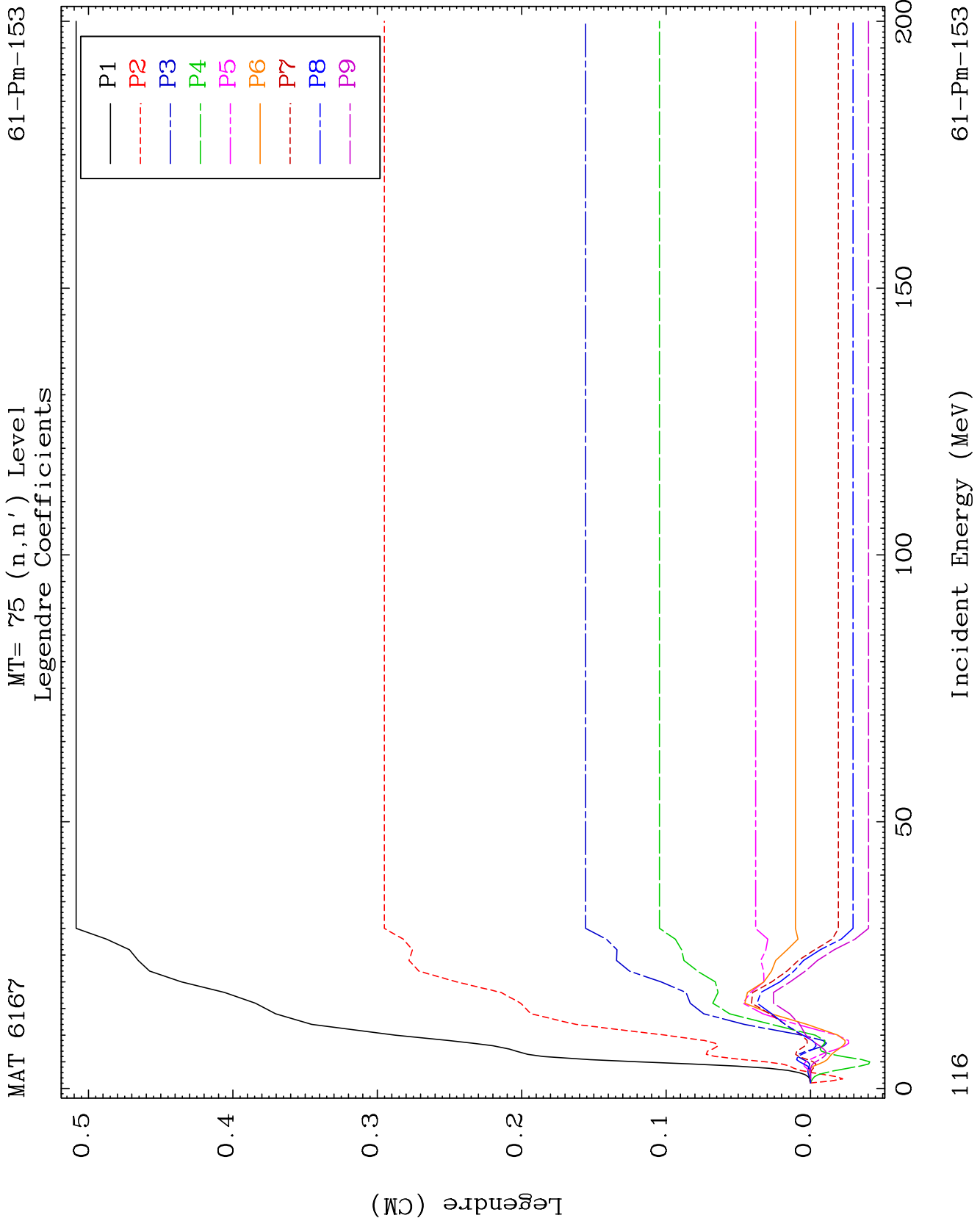
MAT 6167

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

61-Pm-153



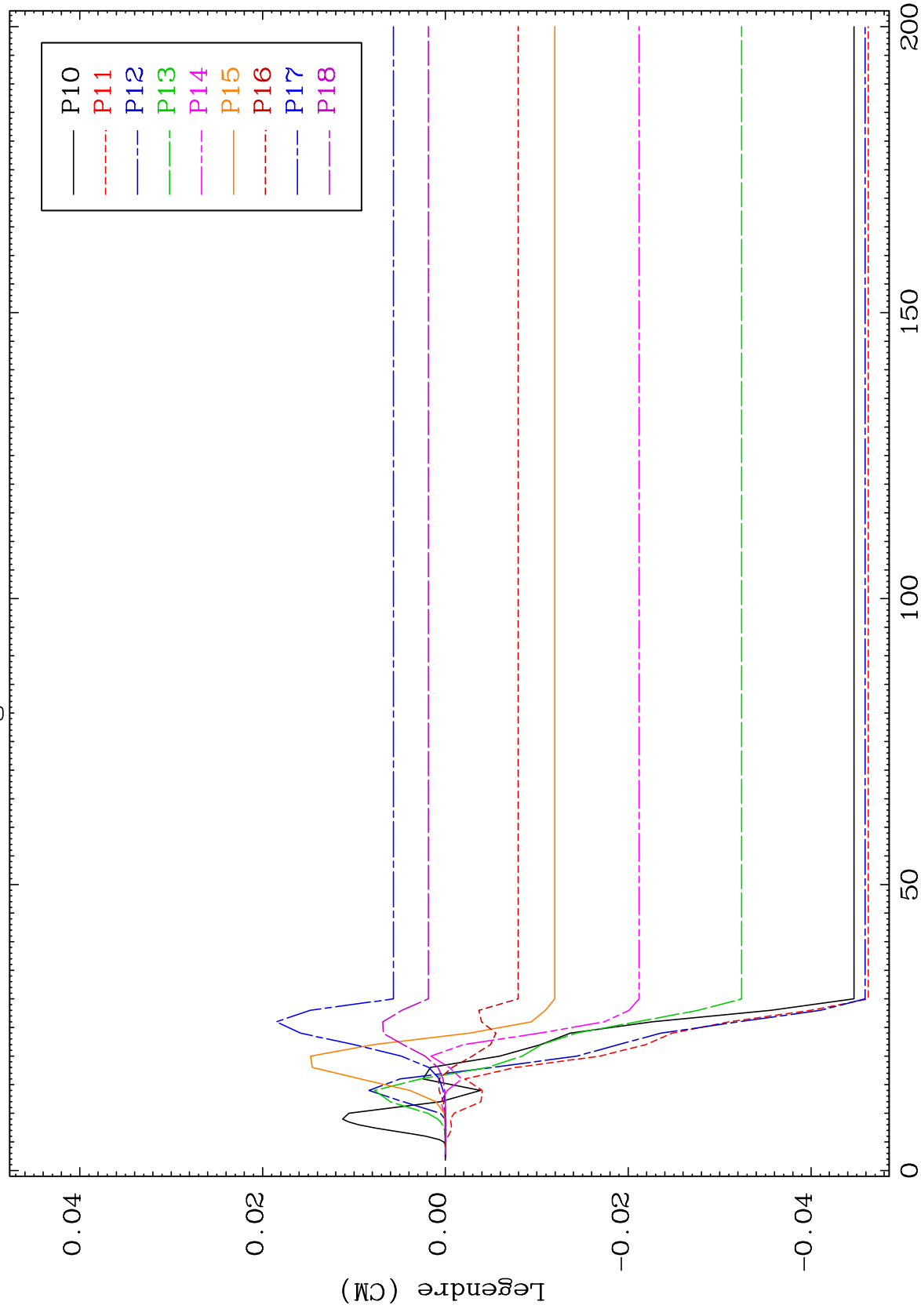




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MT= 75 (n, n') Level
Legendre Coefficients

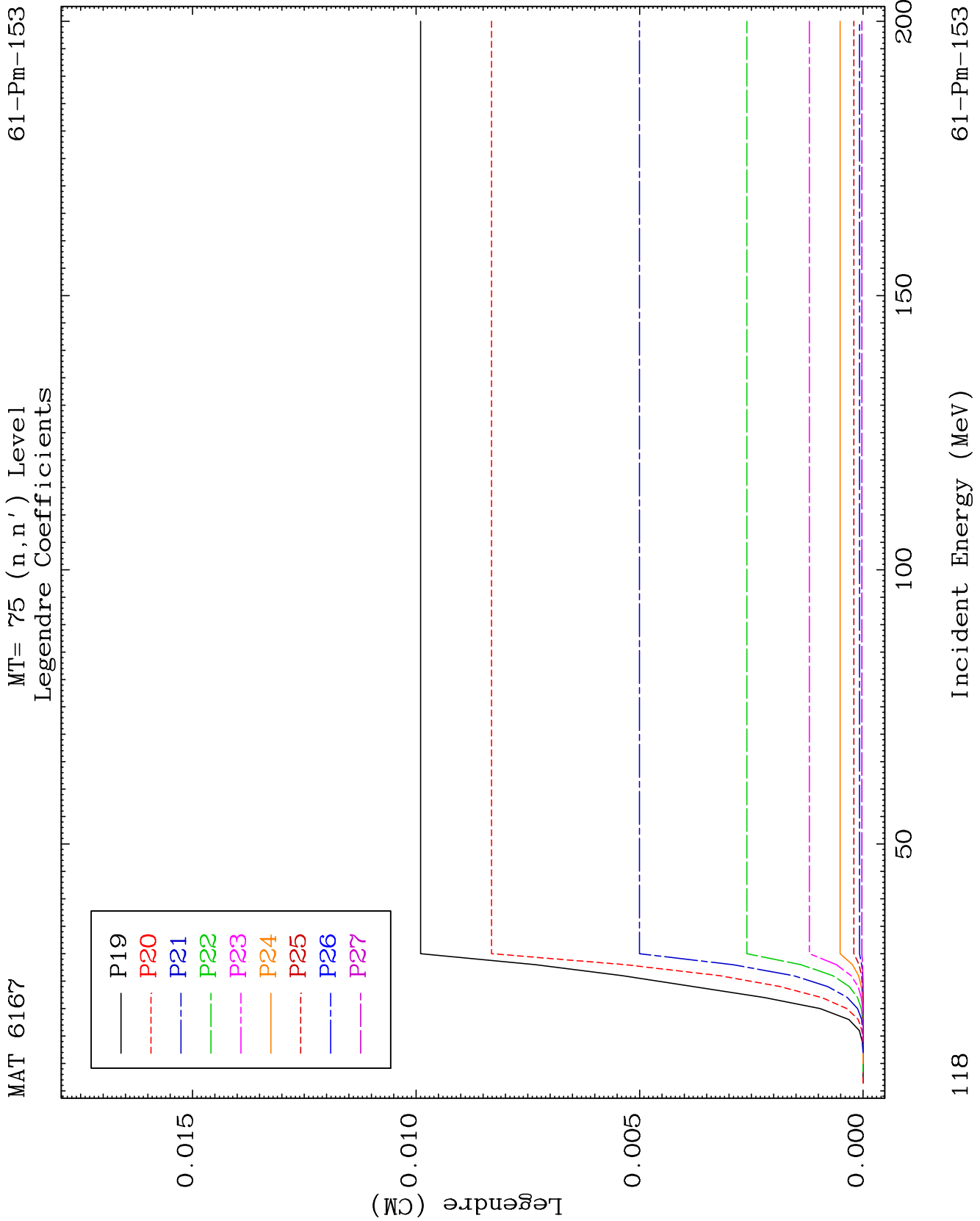
61-Pm-153

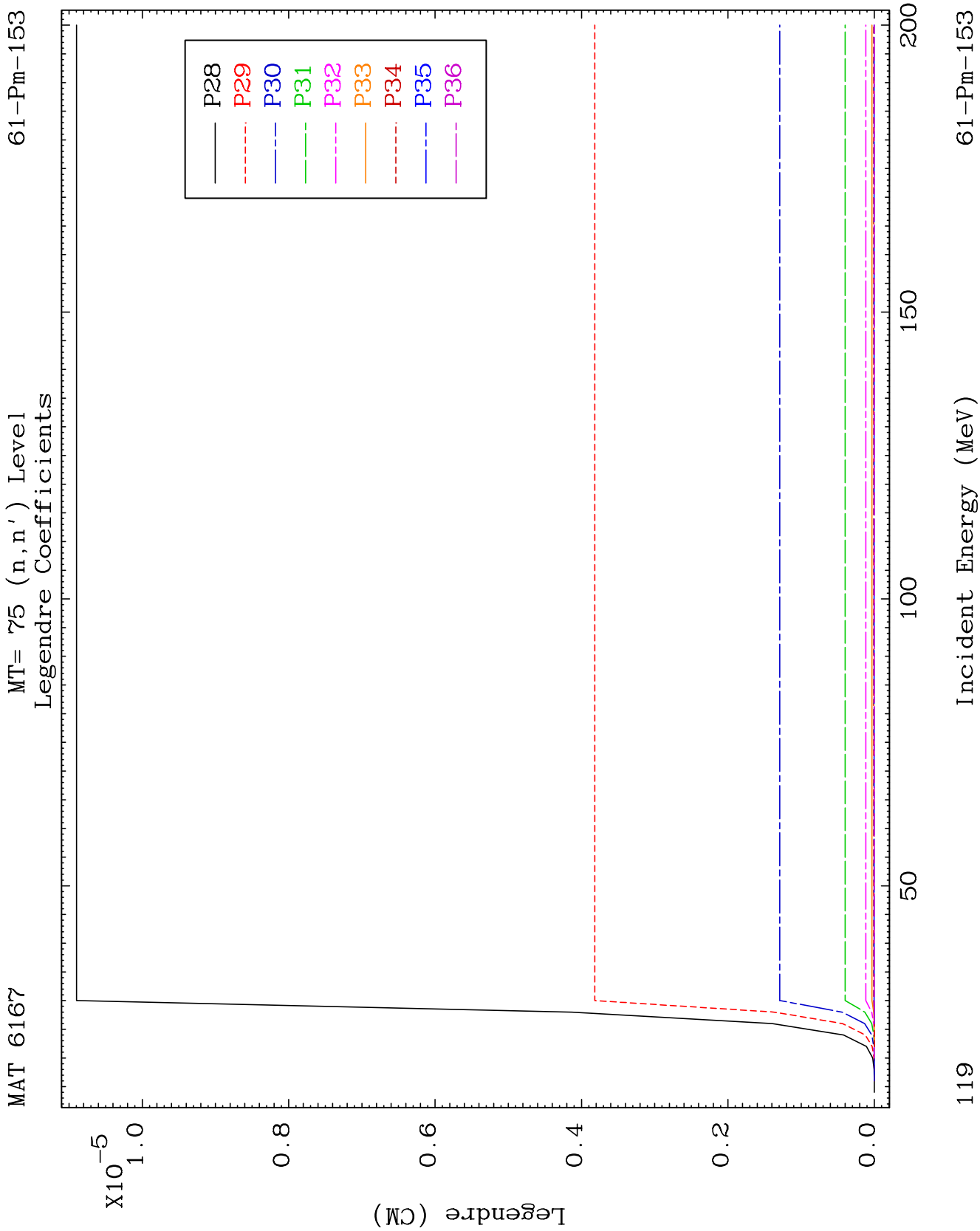


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Incident Energy (MeV)

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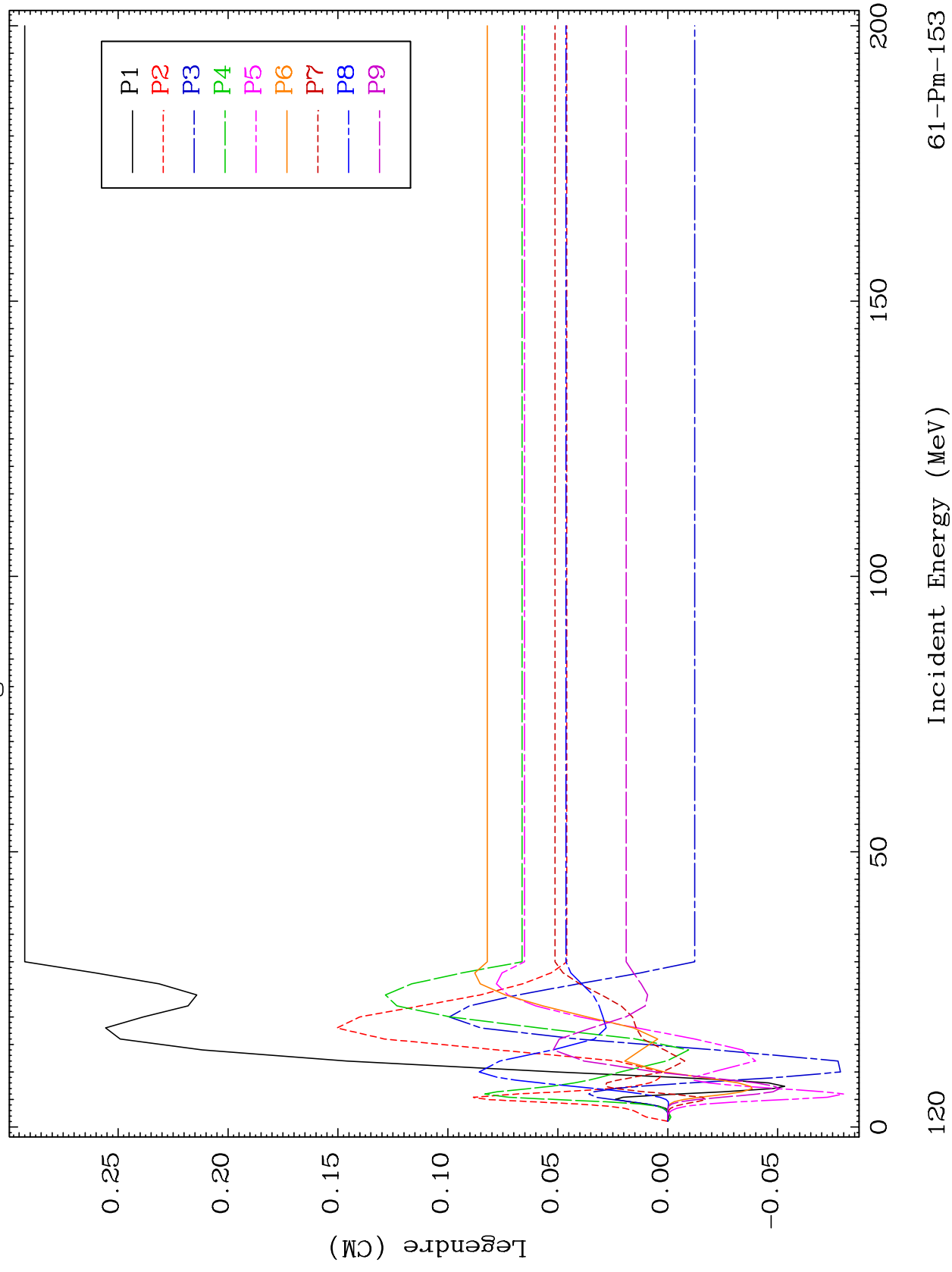




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MT= 76 (n, n') Level
Legendre Coefficients

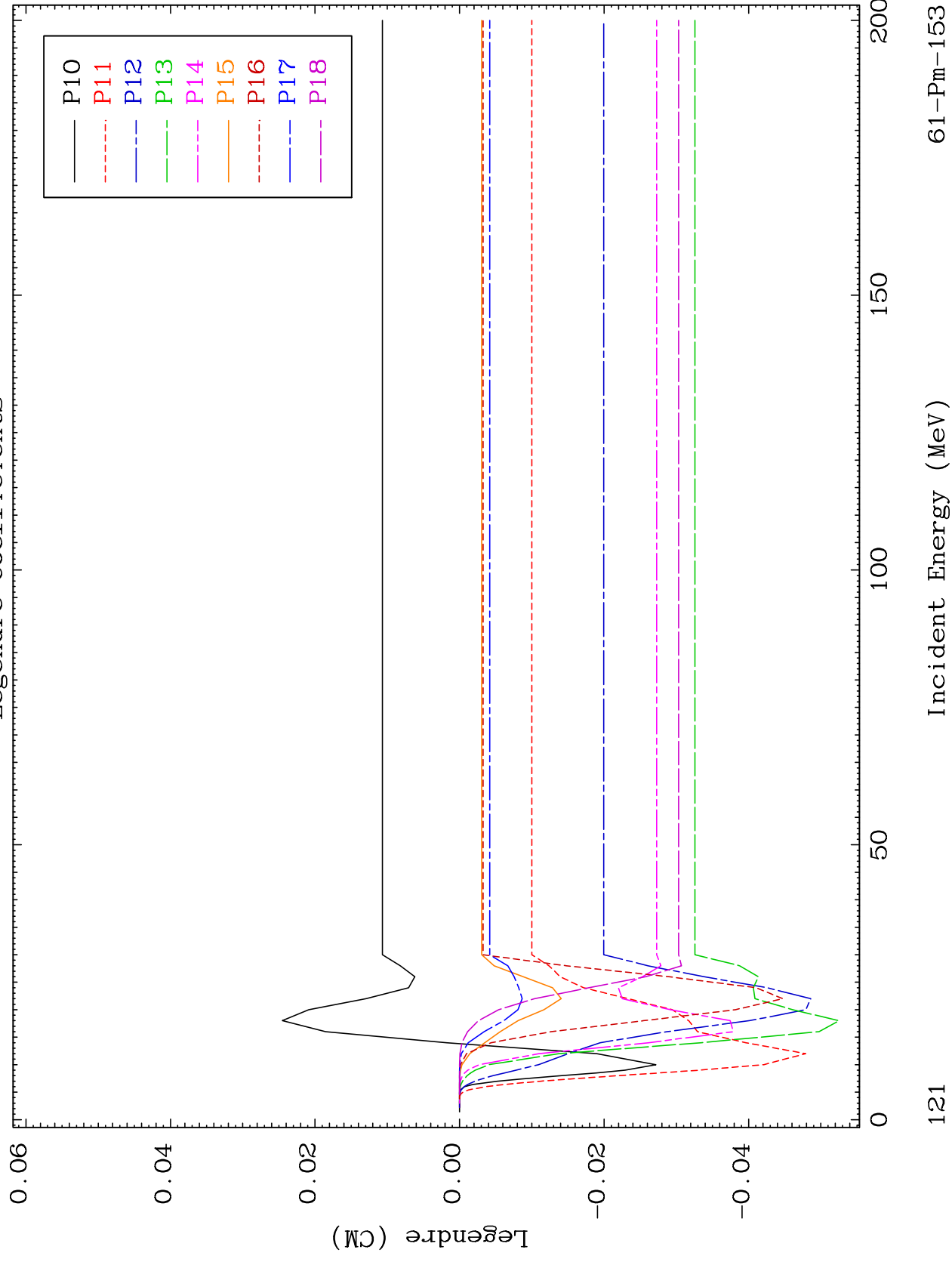
61-Pm-153



MAT 6167

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

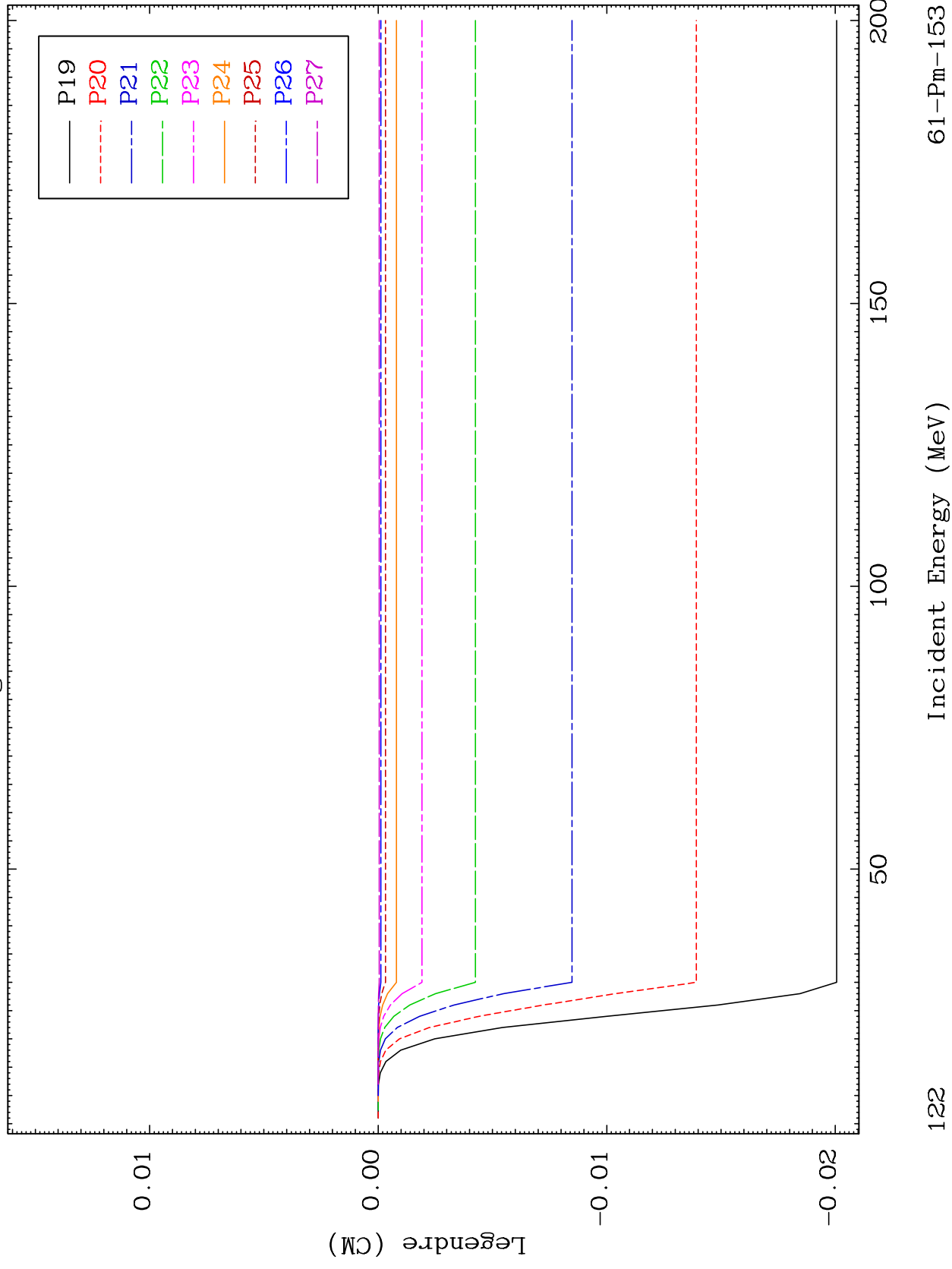
61-Pm-153

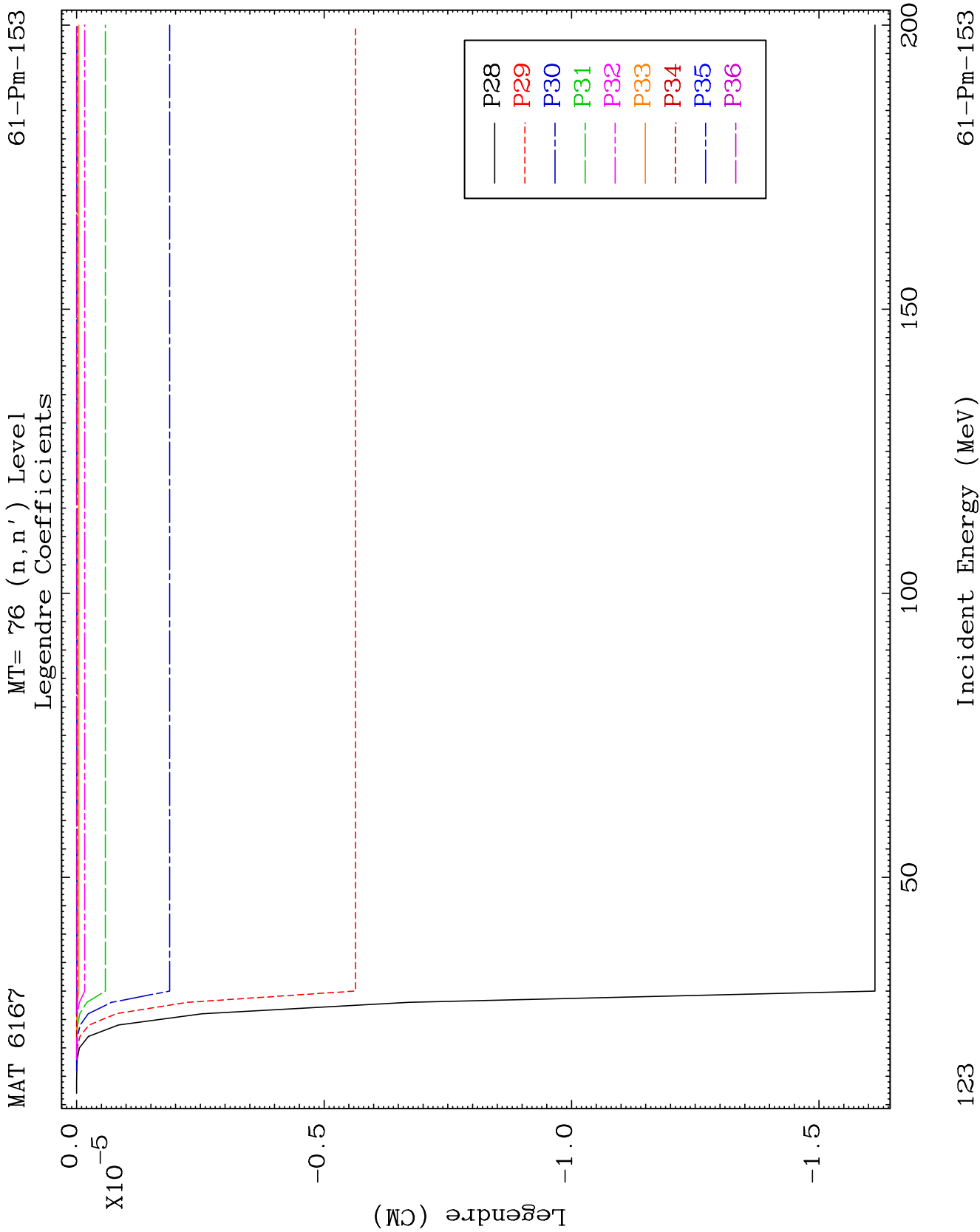


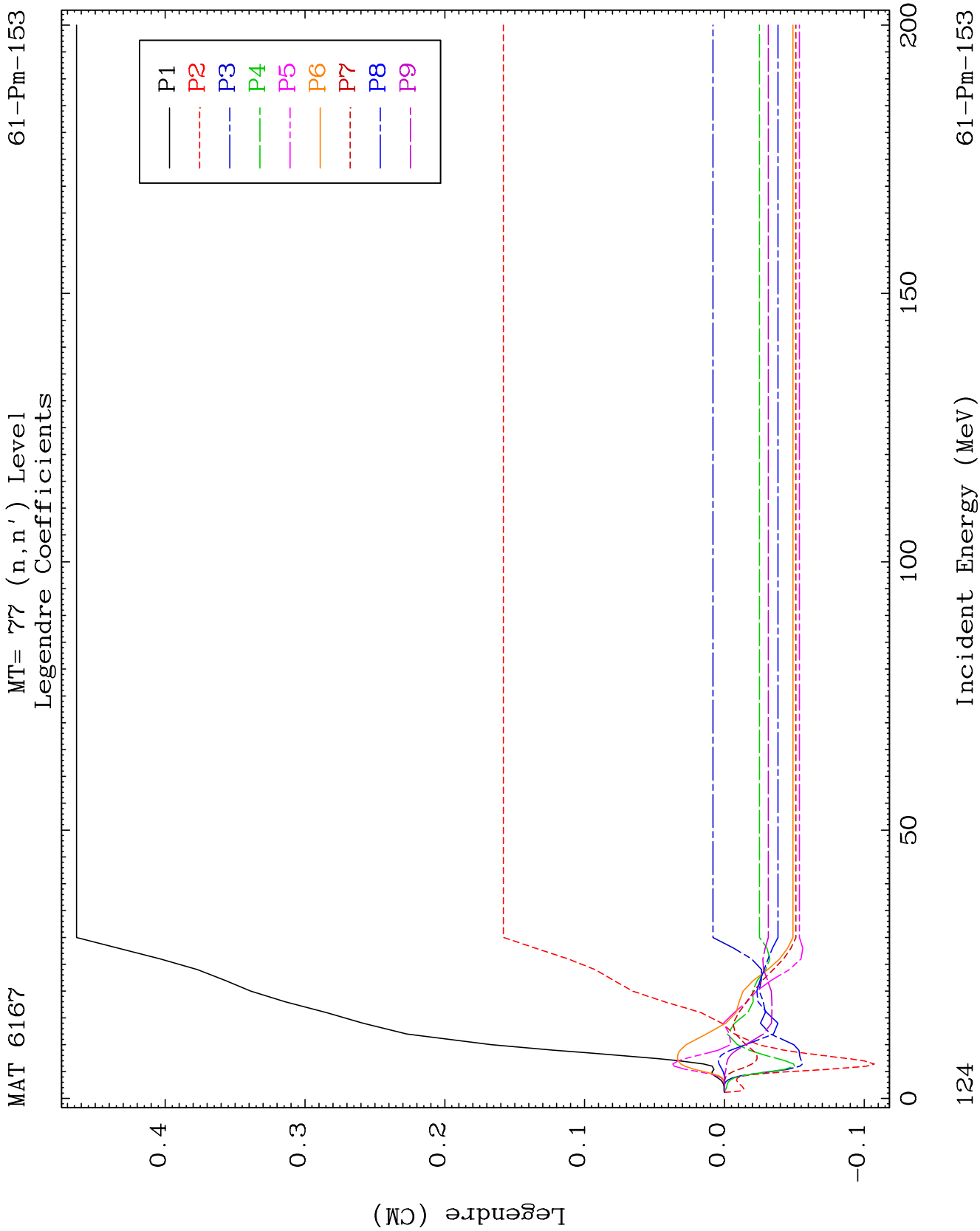
MAT 6167

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

61-Pm-153



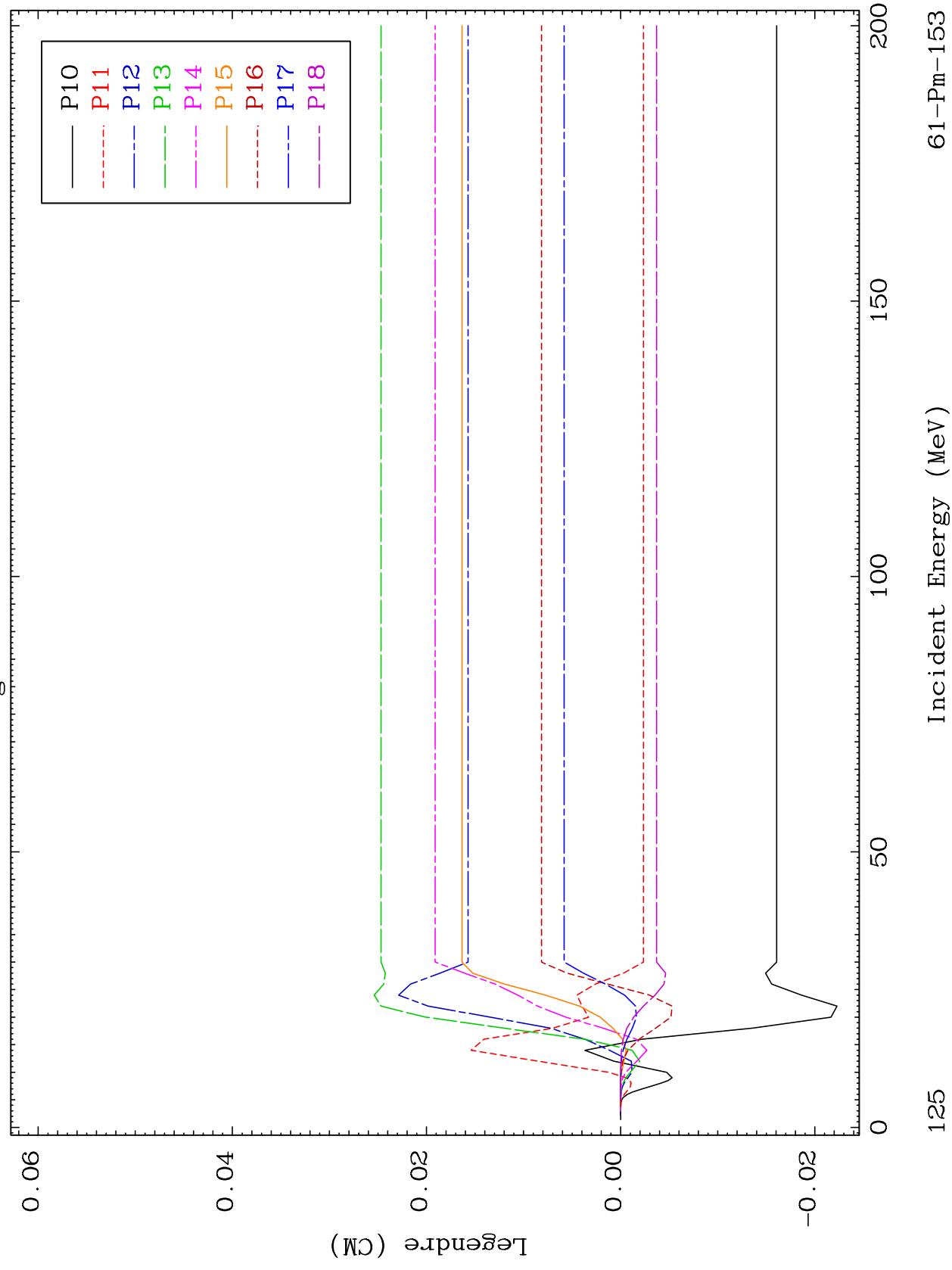


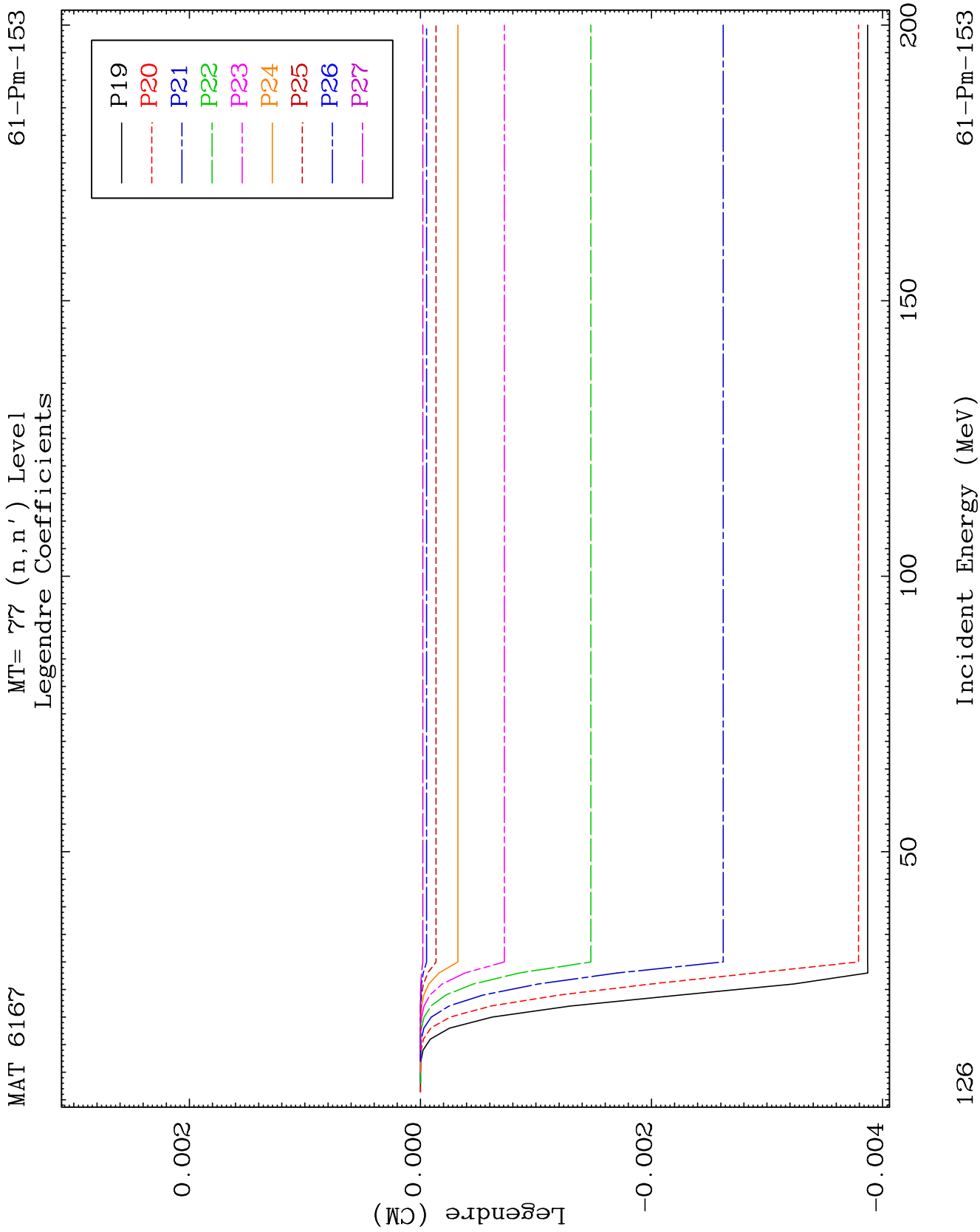


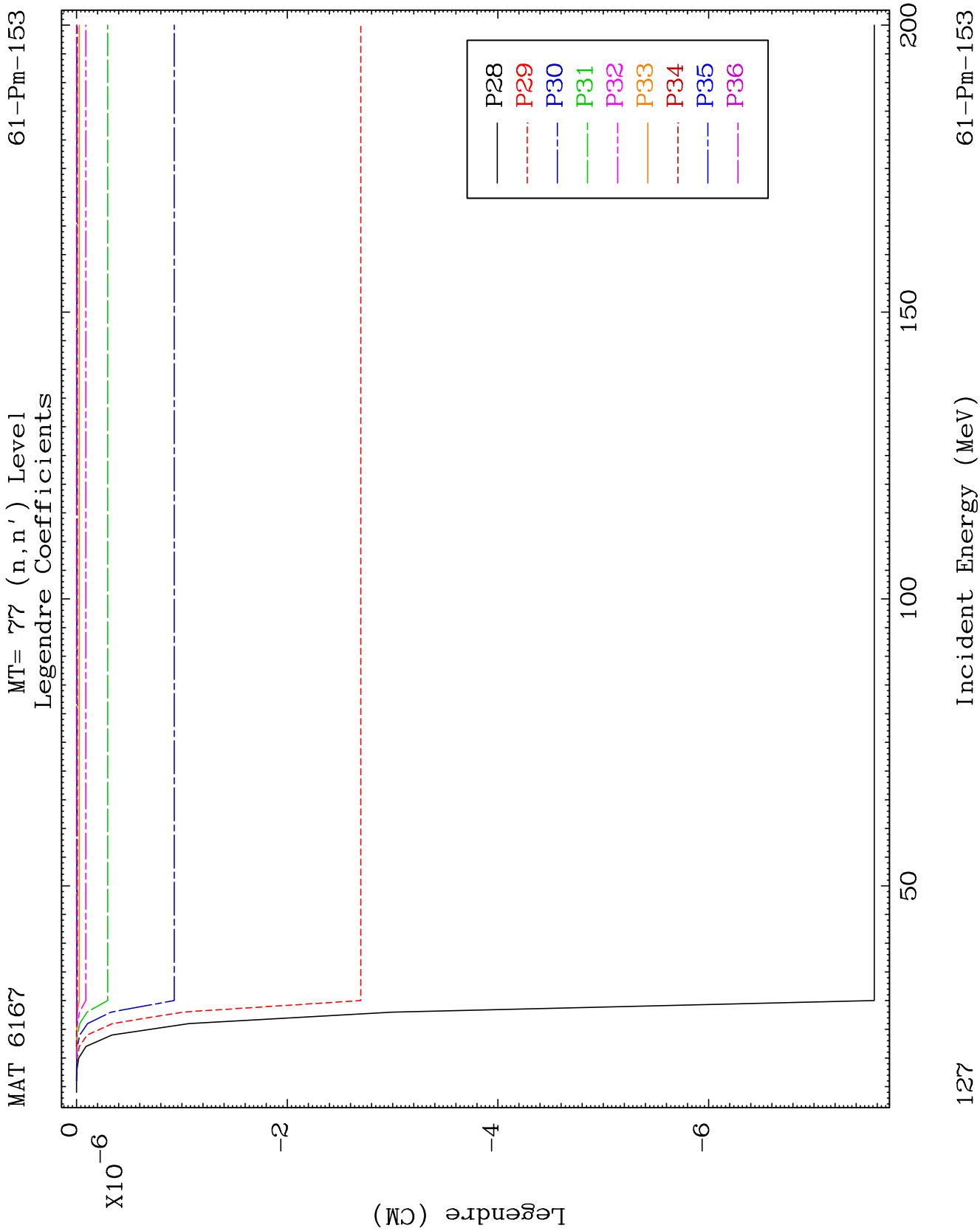
MAT 6167

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

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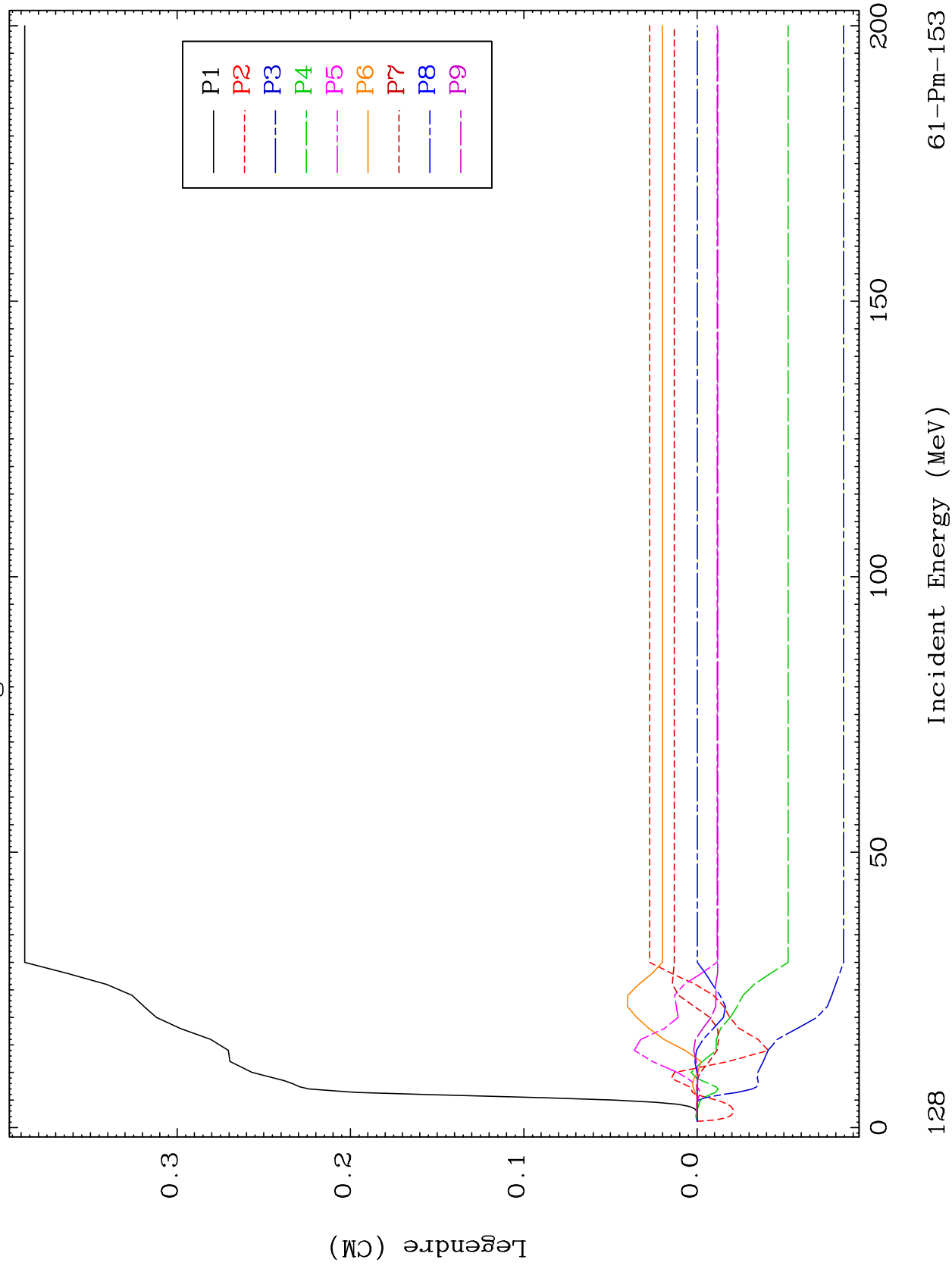


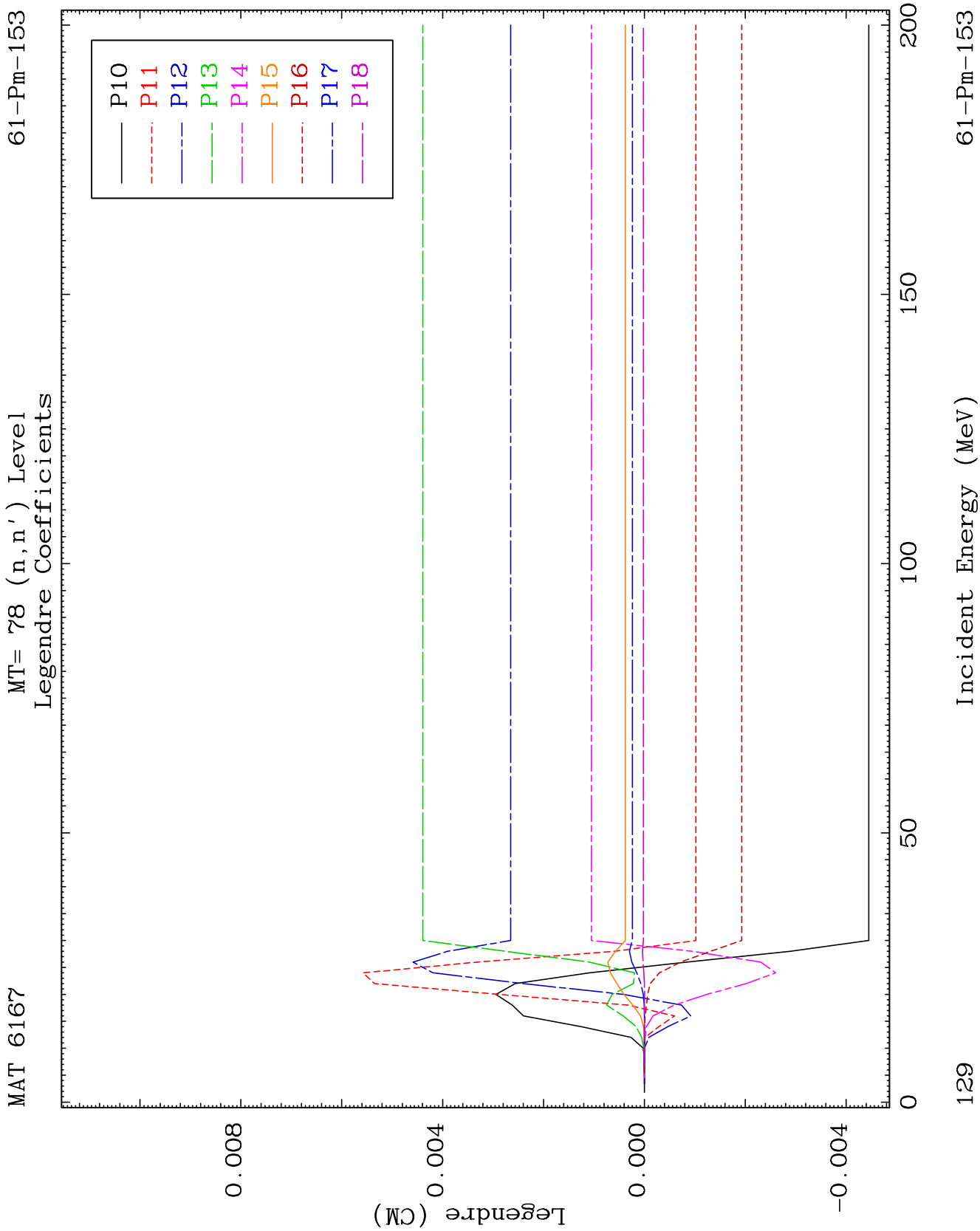


MAT 6167

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

61-Pm-153

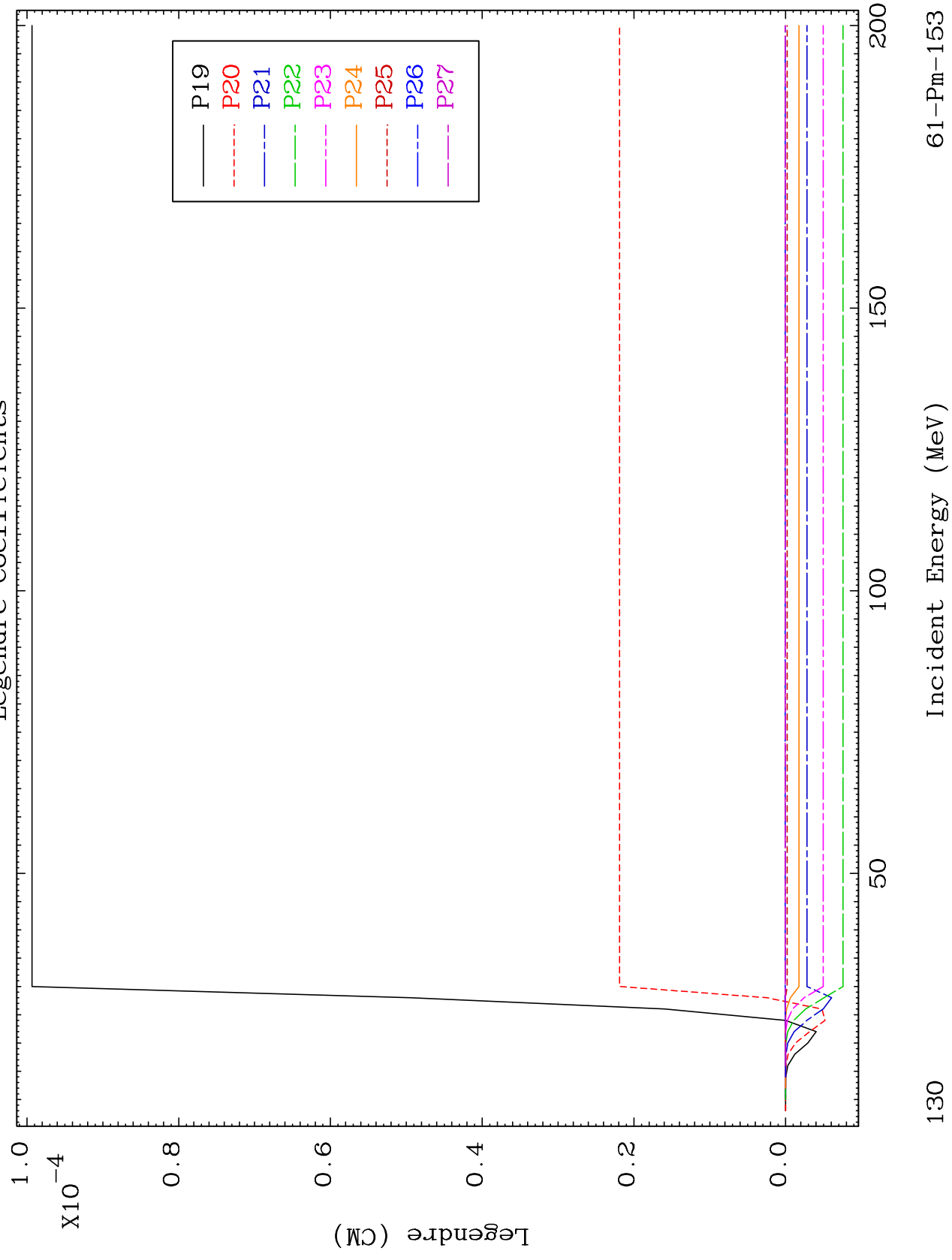


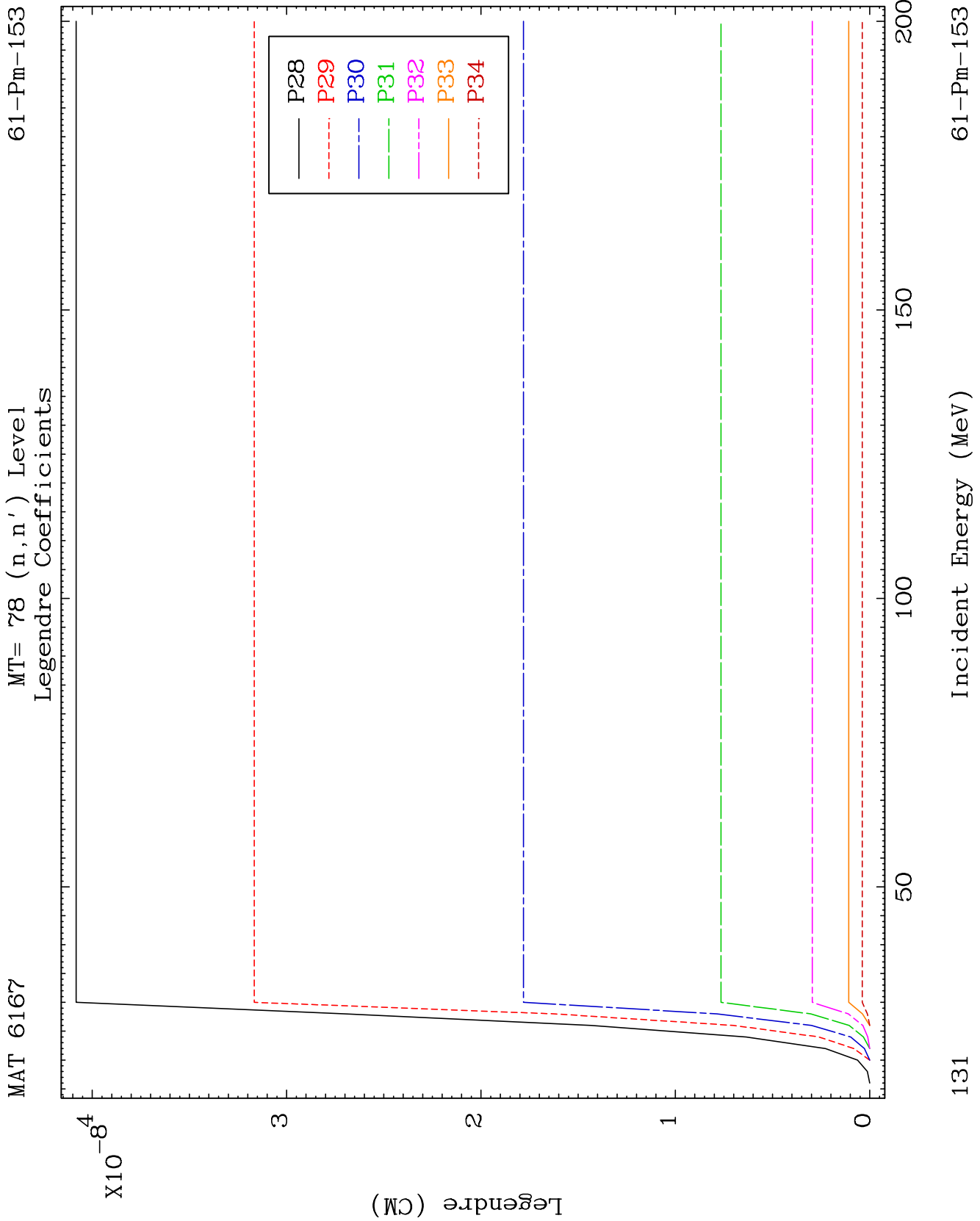


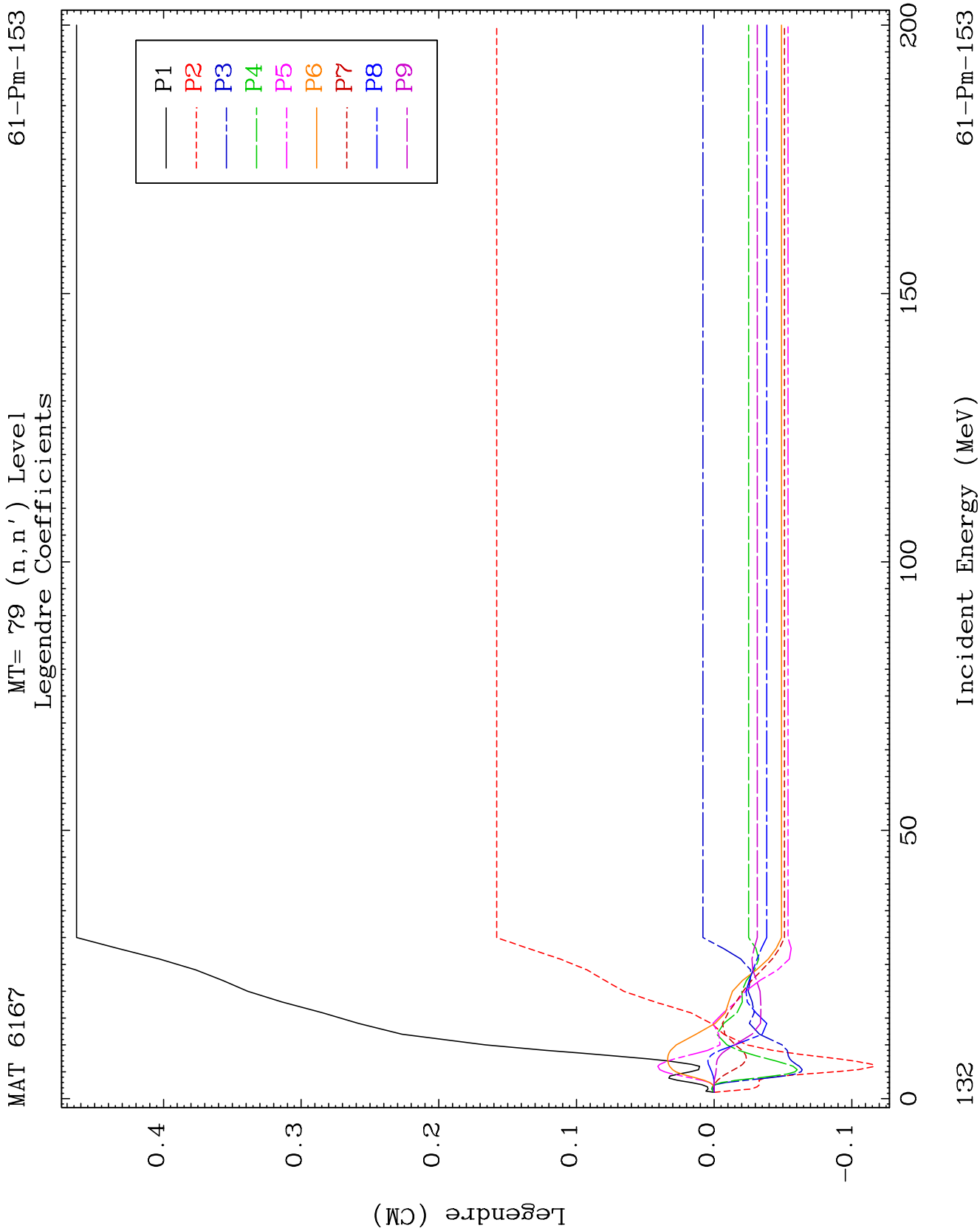
MAT 6167

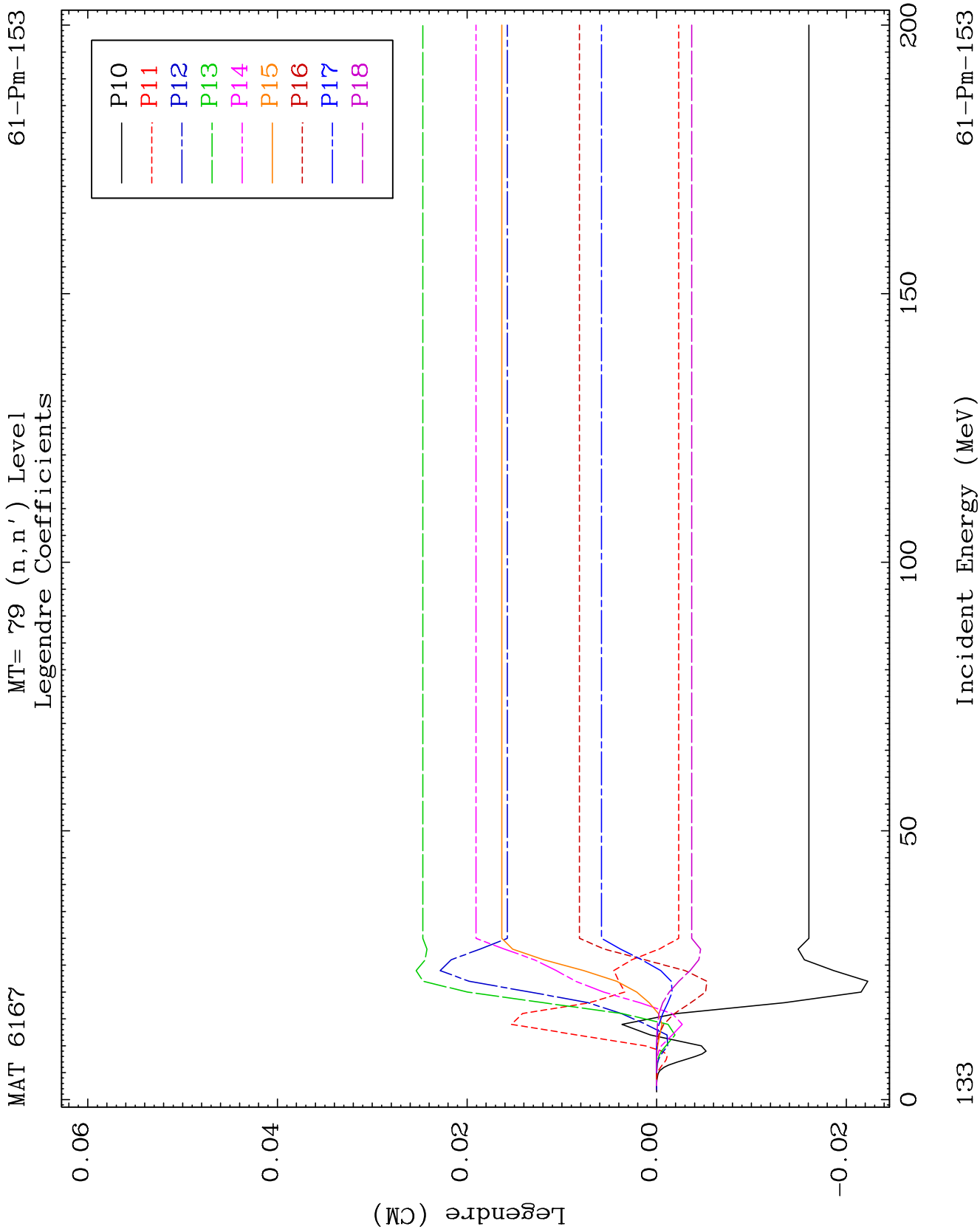
MT= 78 (n, n') Level
Legendre Coefficients

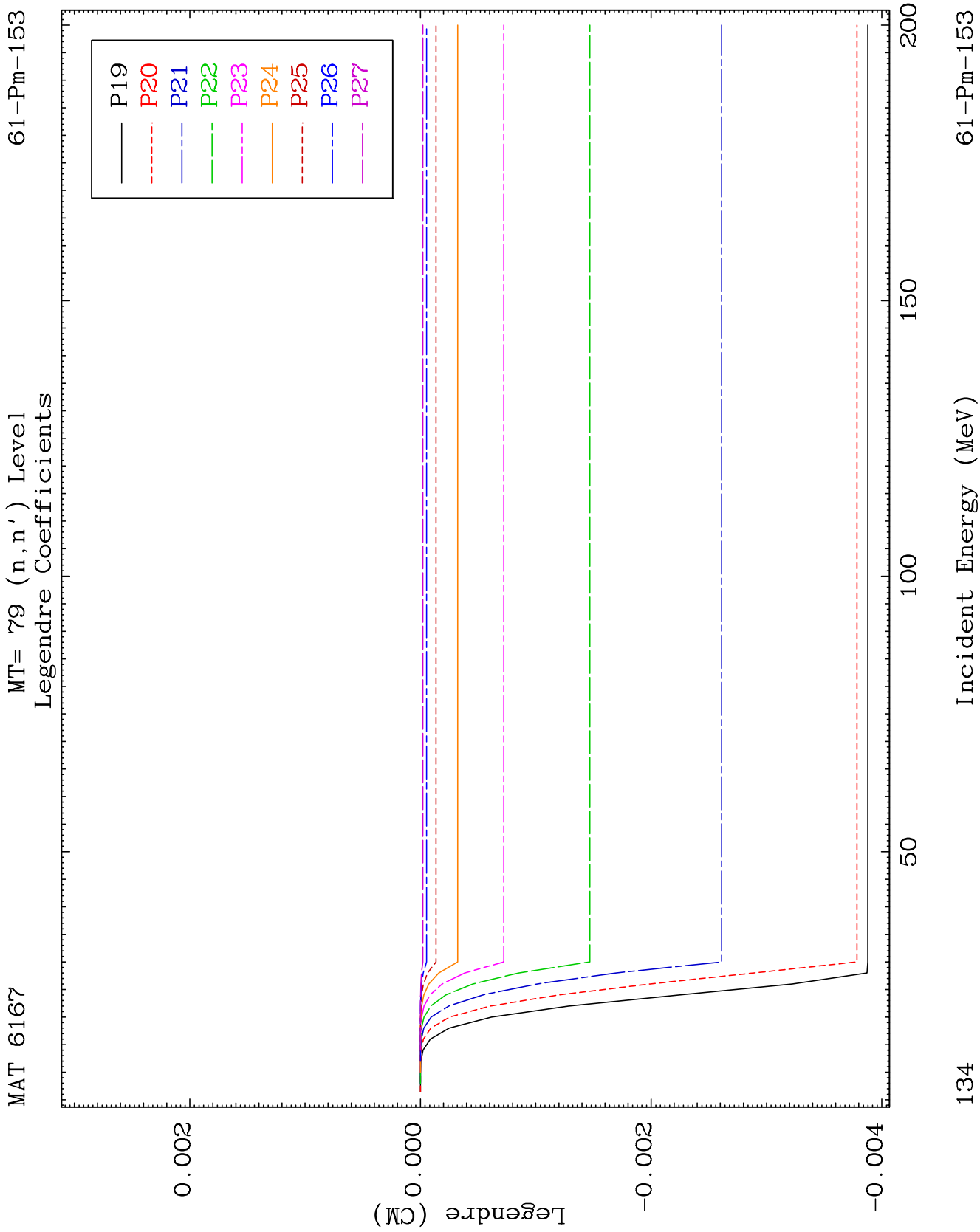
61-Pm-153

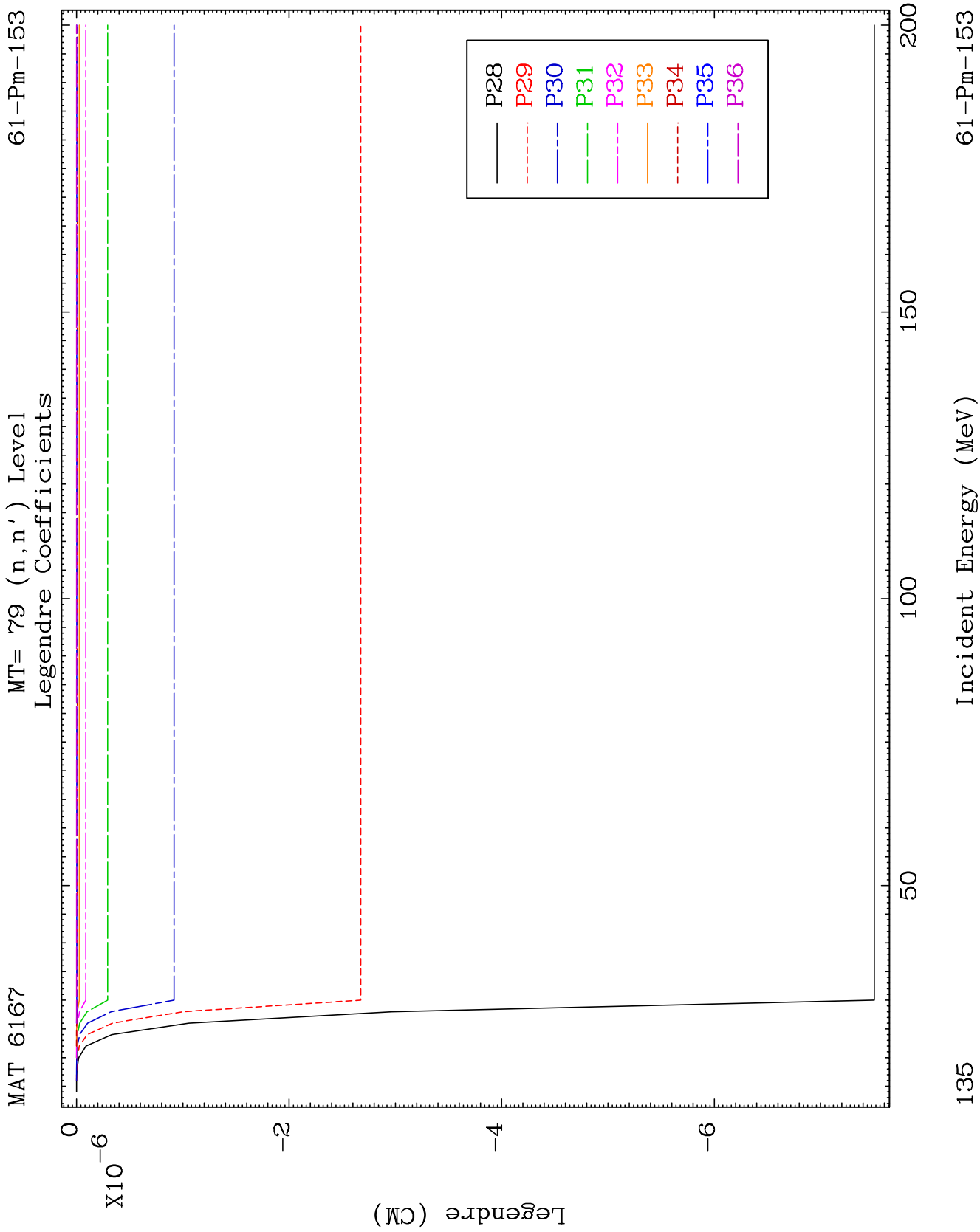


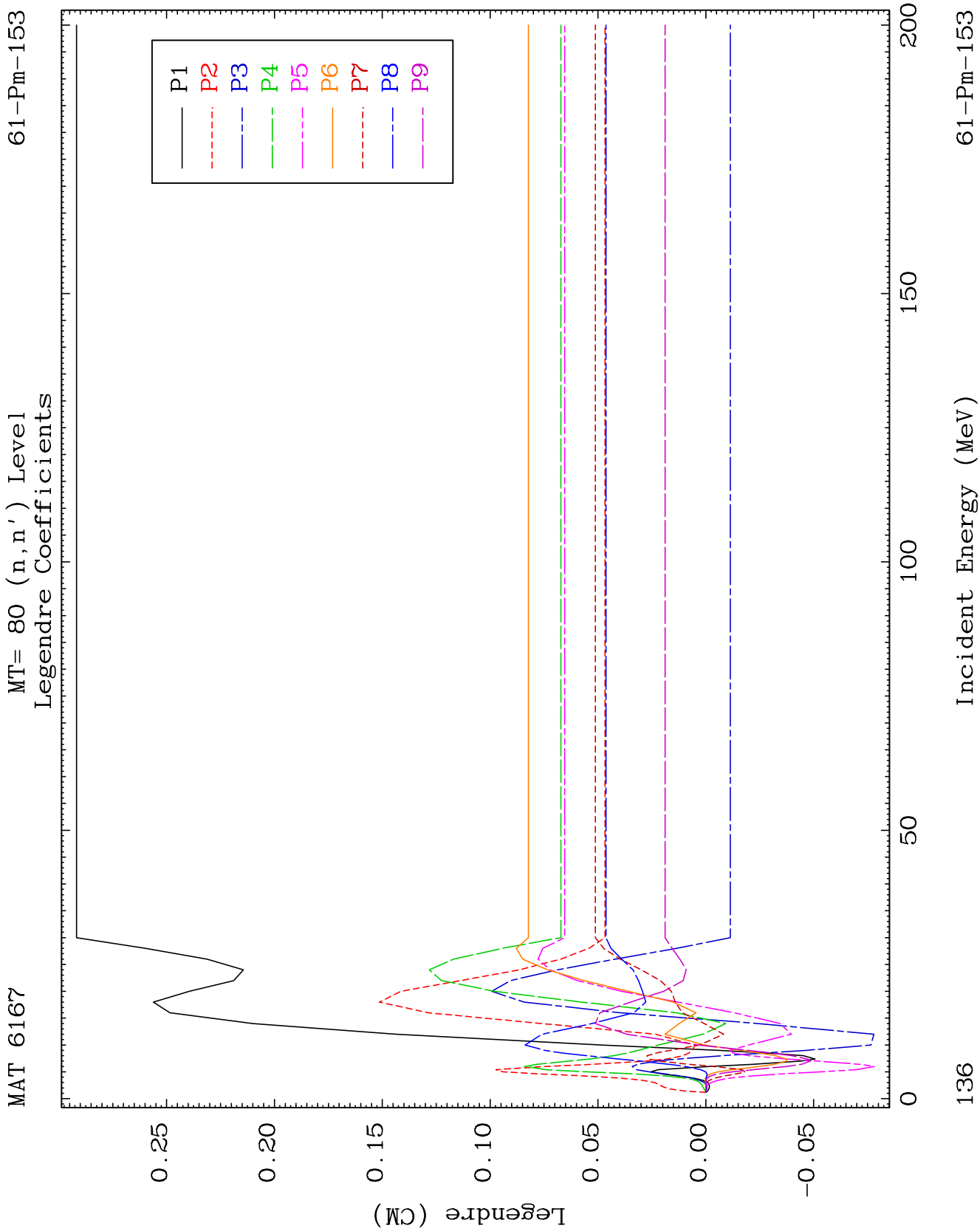


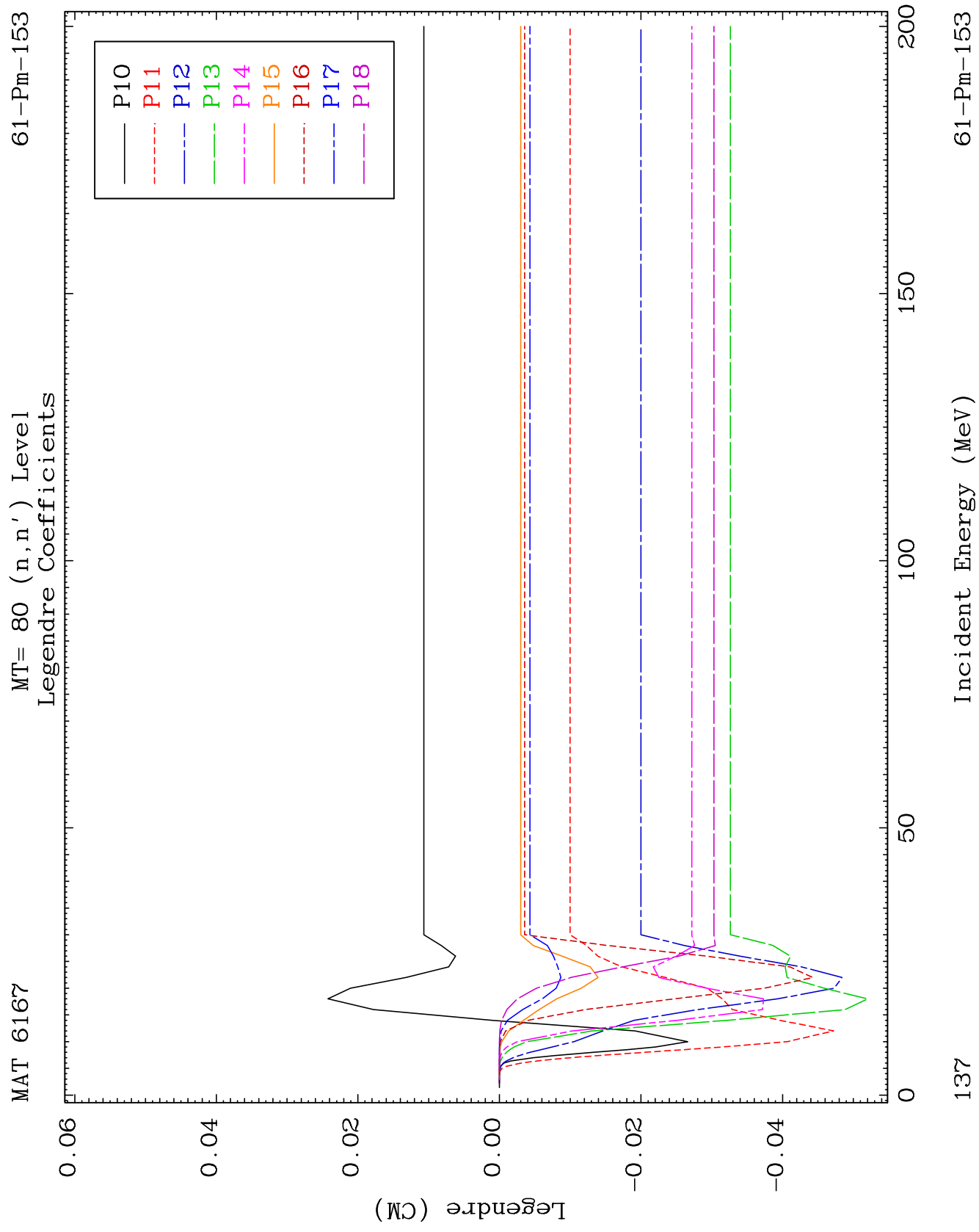


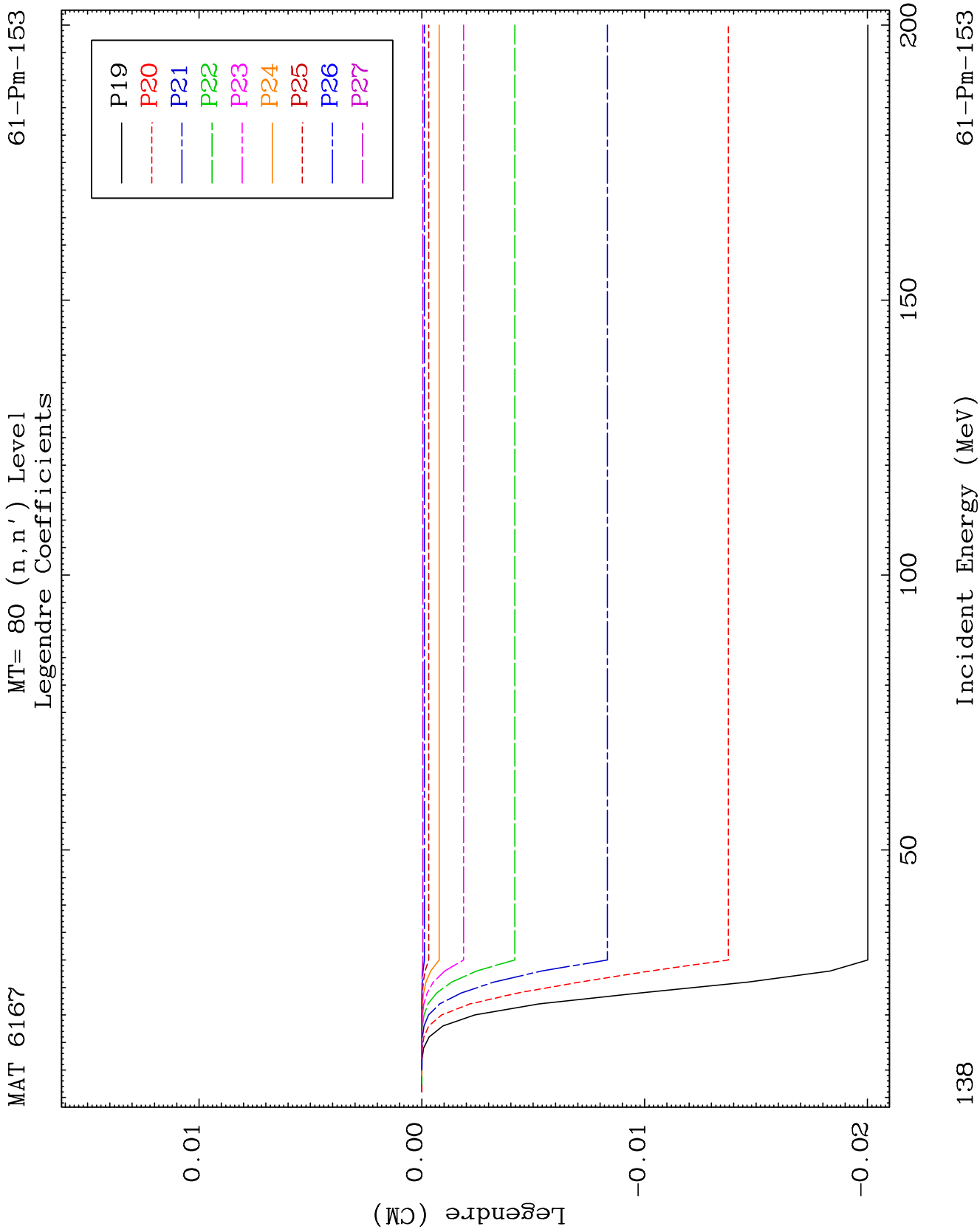


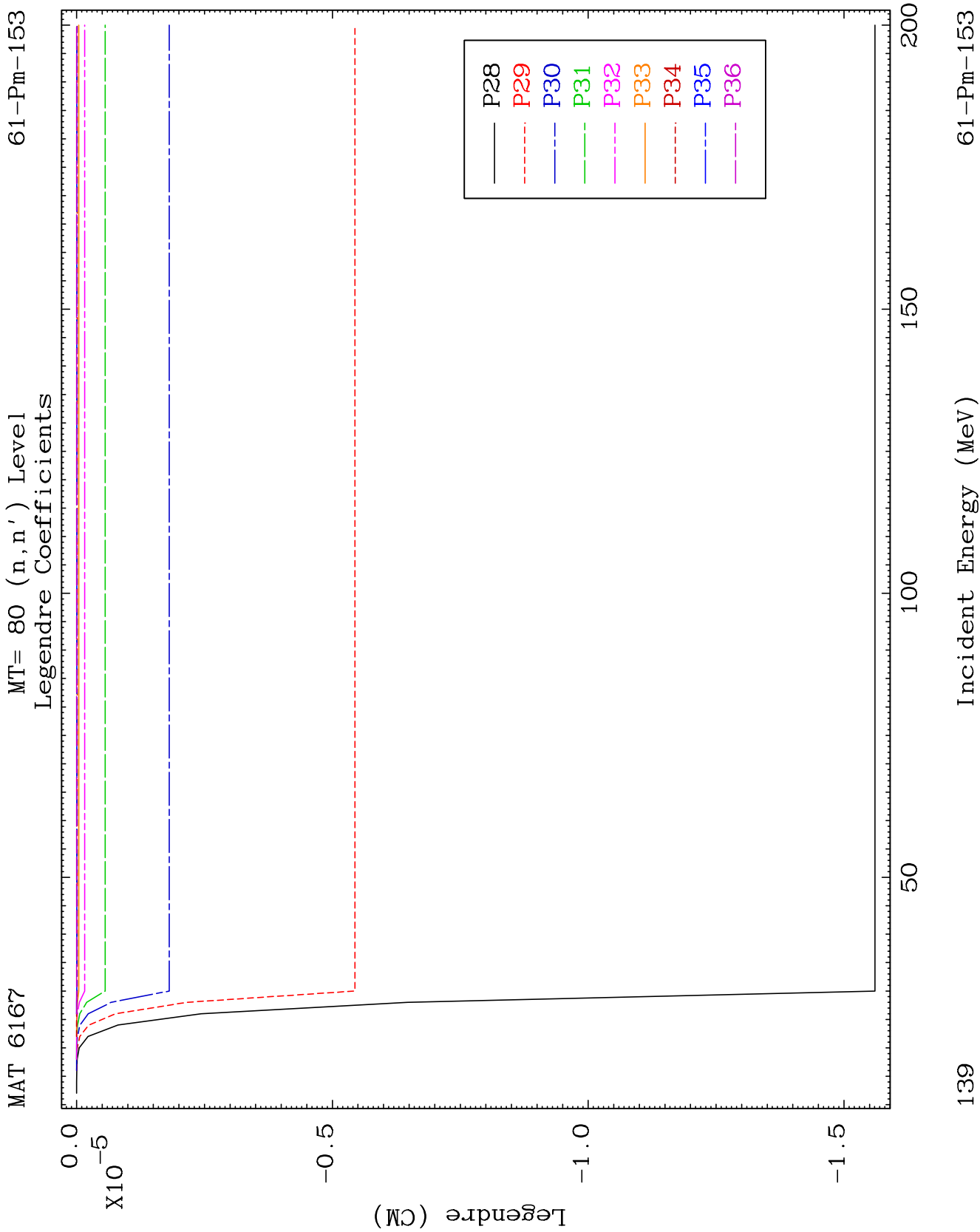


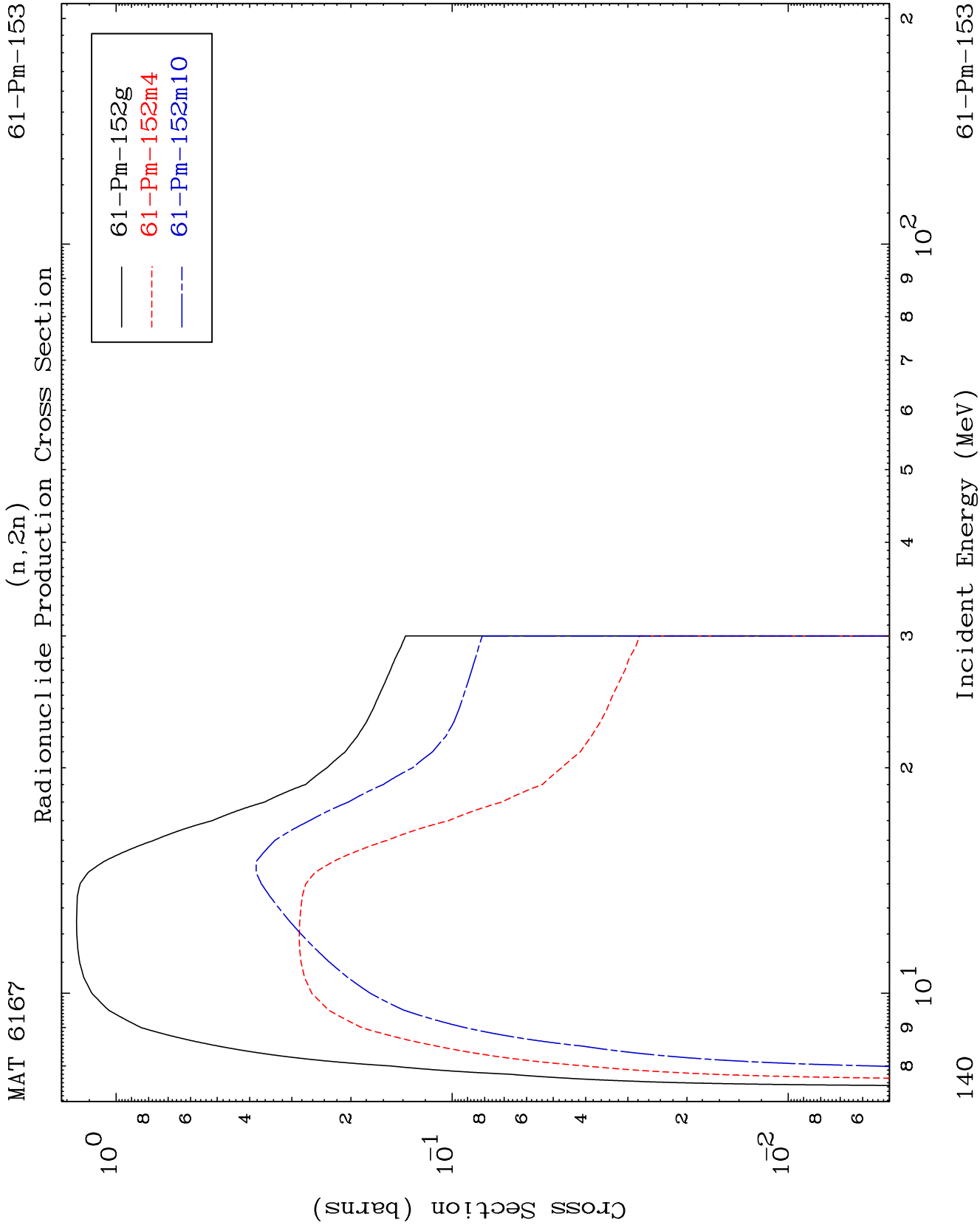








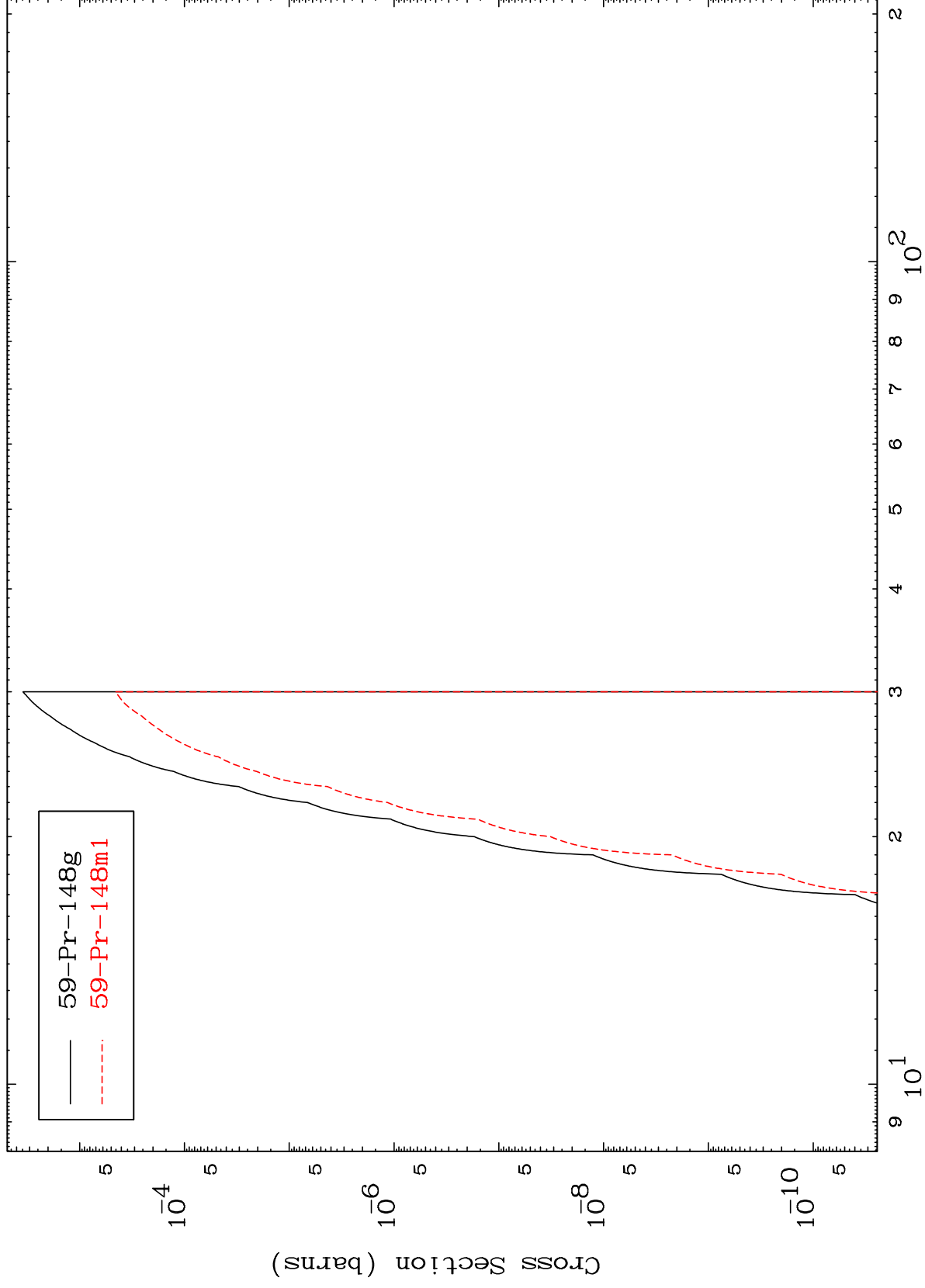




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$(n,2n) \alpha$
Radionuclide Production Cross Section



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Incident Energy (MeV)

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Radionuclide Production Cross Section

(n, γ)

