

Program EVALPLOT
(Version 2021-1)

by

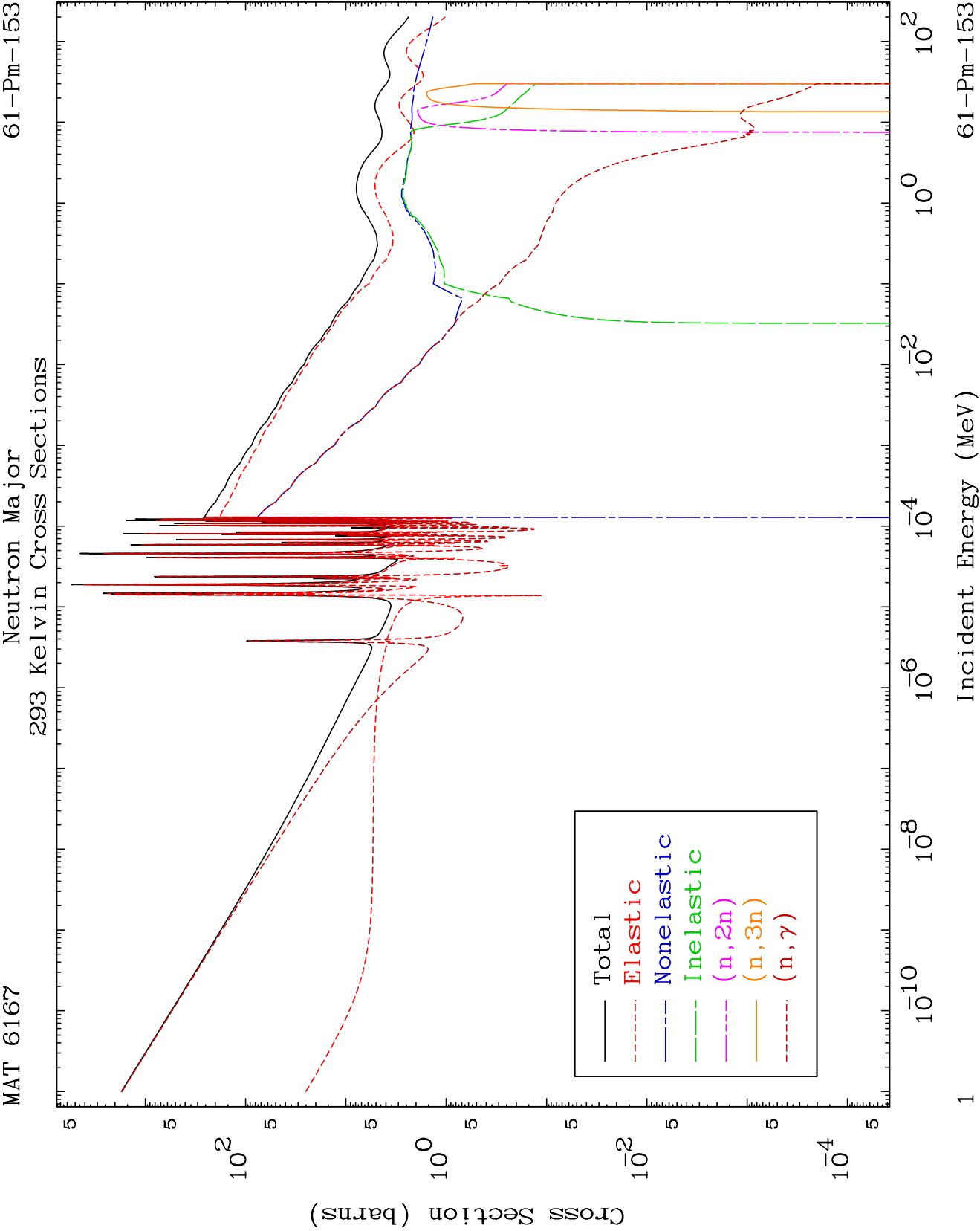
Dermott E. Cullen
(Present Contact Information)

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Livermore, CA 94550
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Tele: 925-443-1911

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

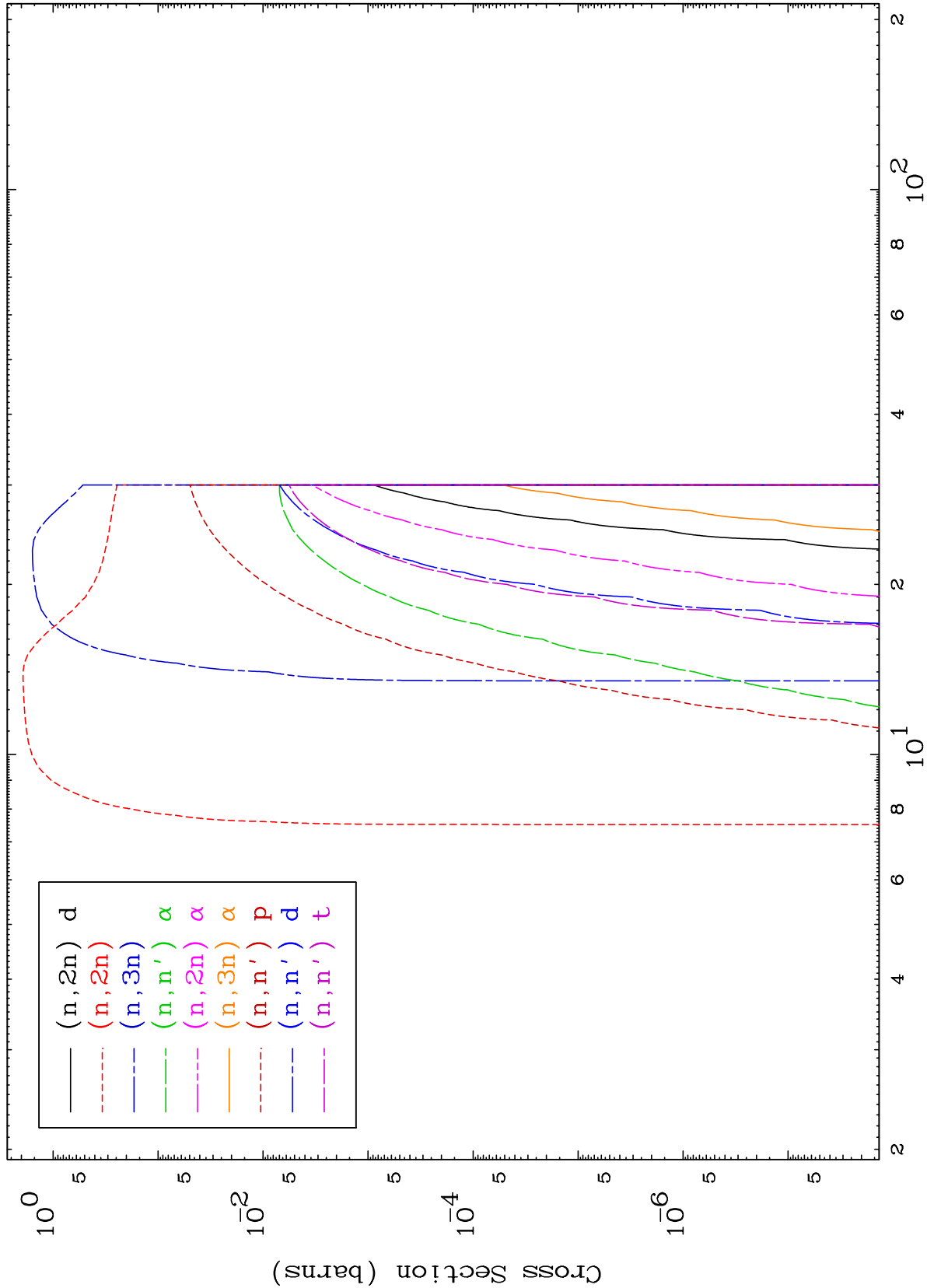
Press Mouse Button to Start



MAT 6167

Neutron Absorption
293 Kelvin Cross Sections

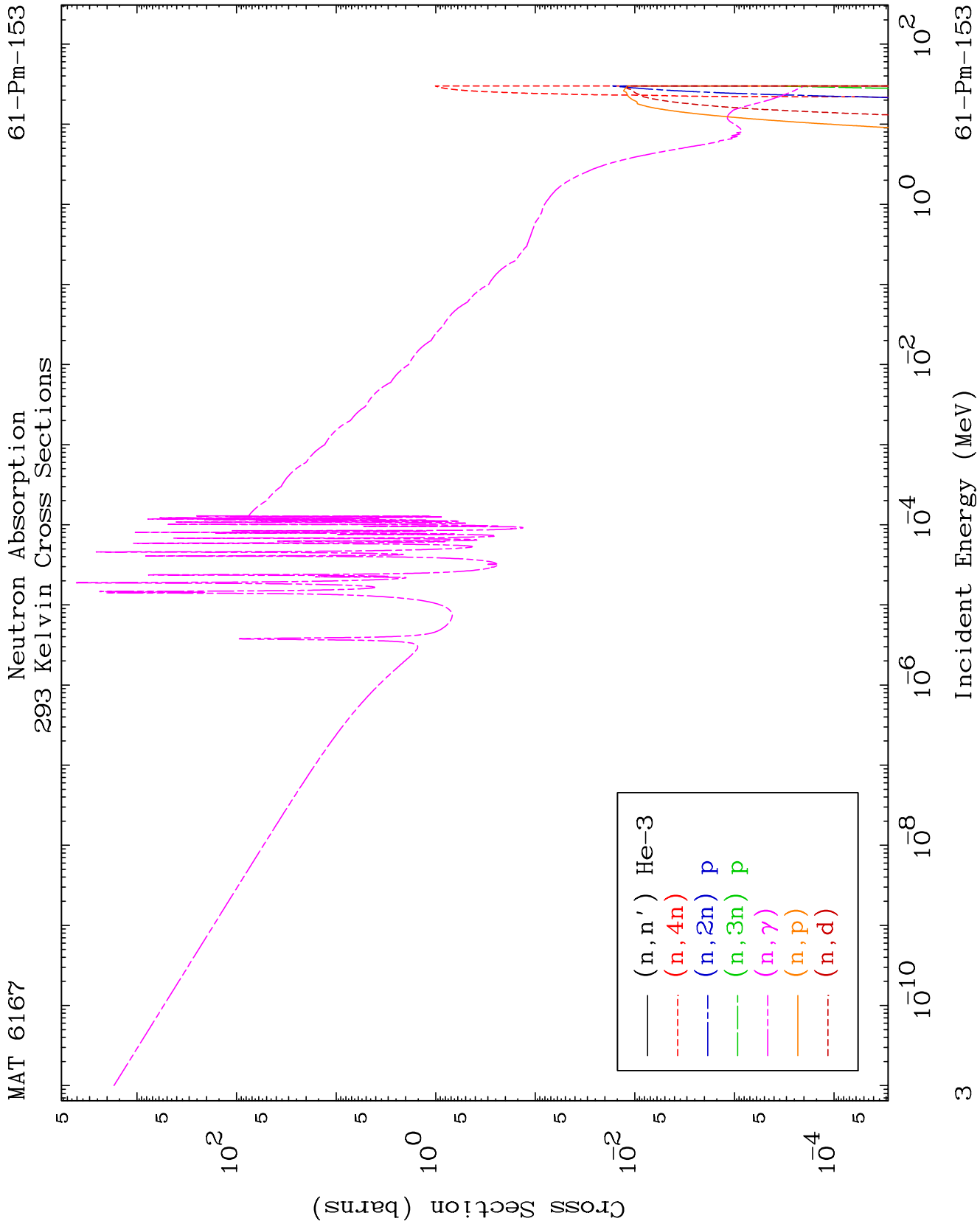
61-Pm-153

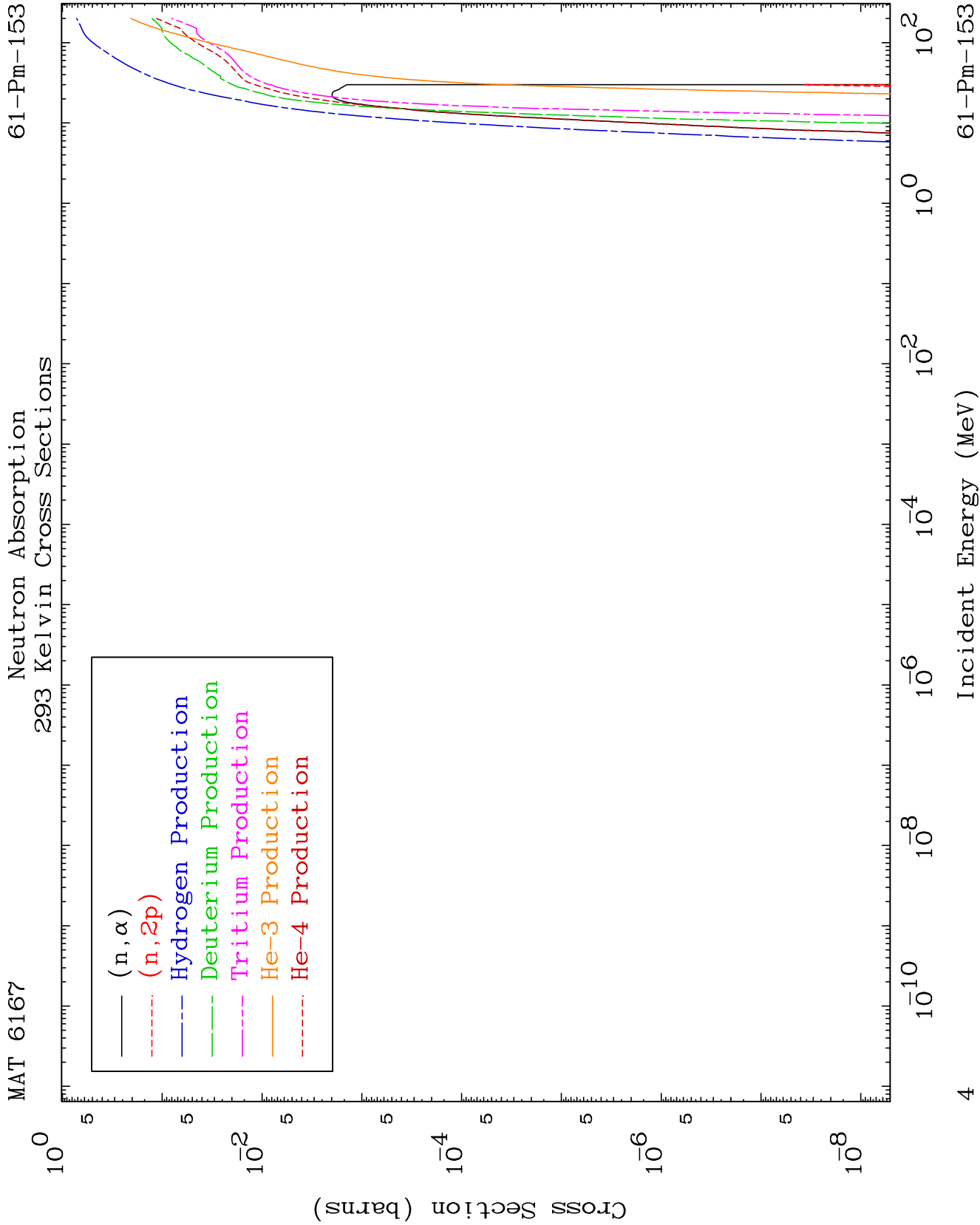


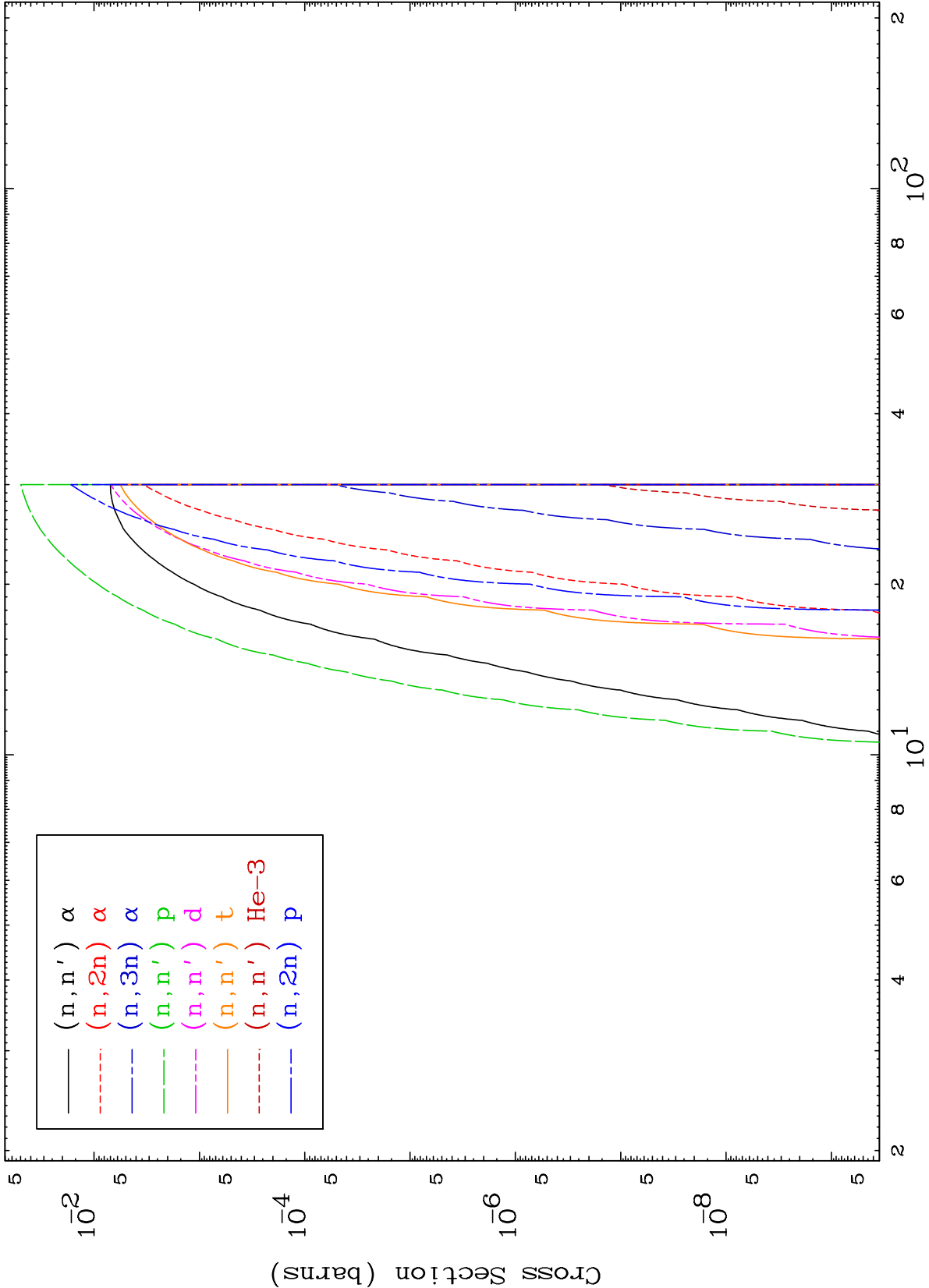
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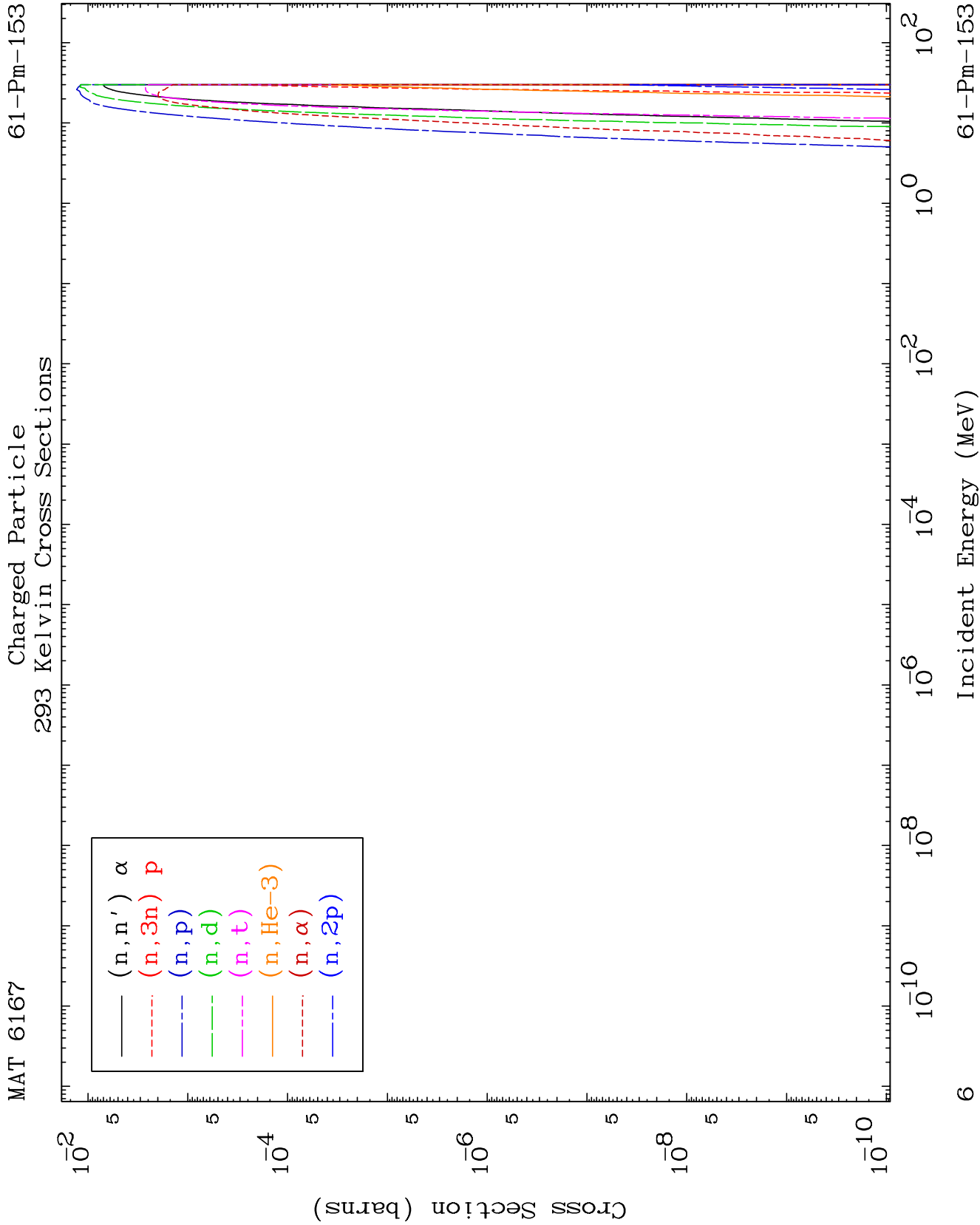
Incident Energy (MeV)

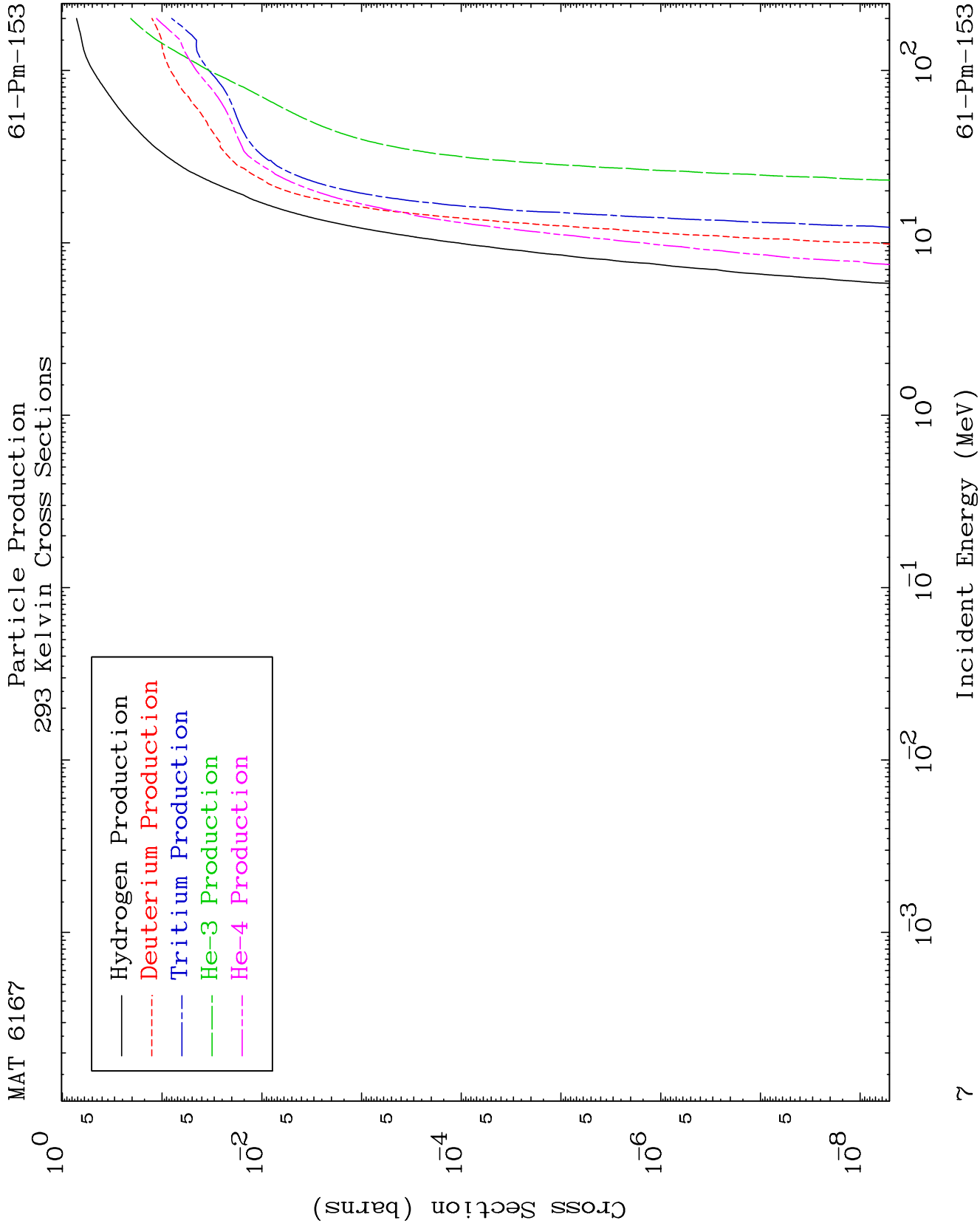
61-Pm-153

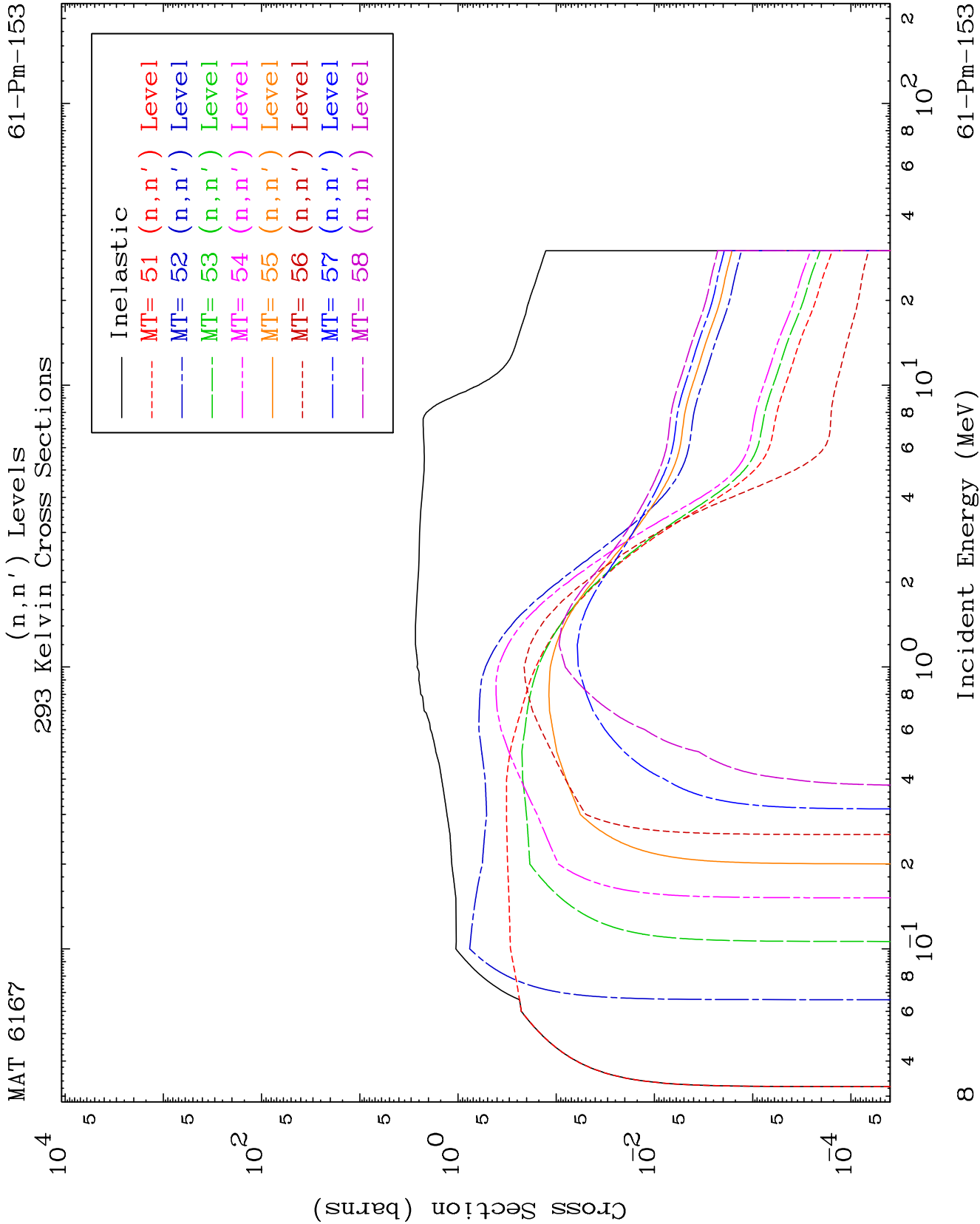


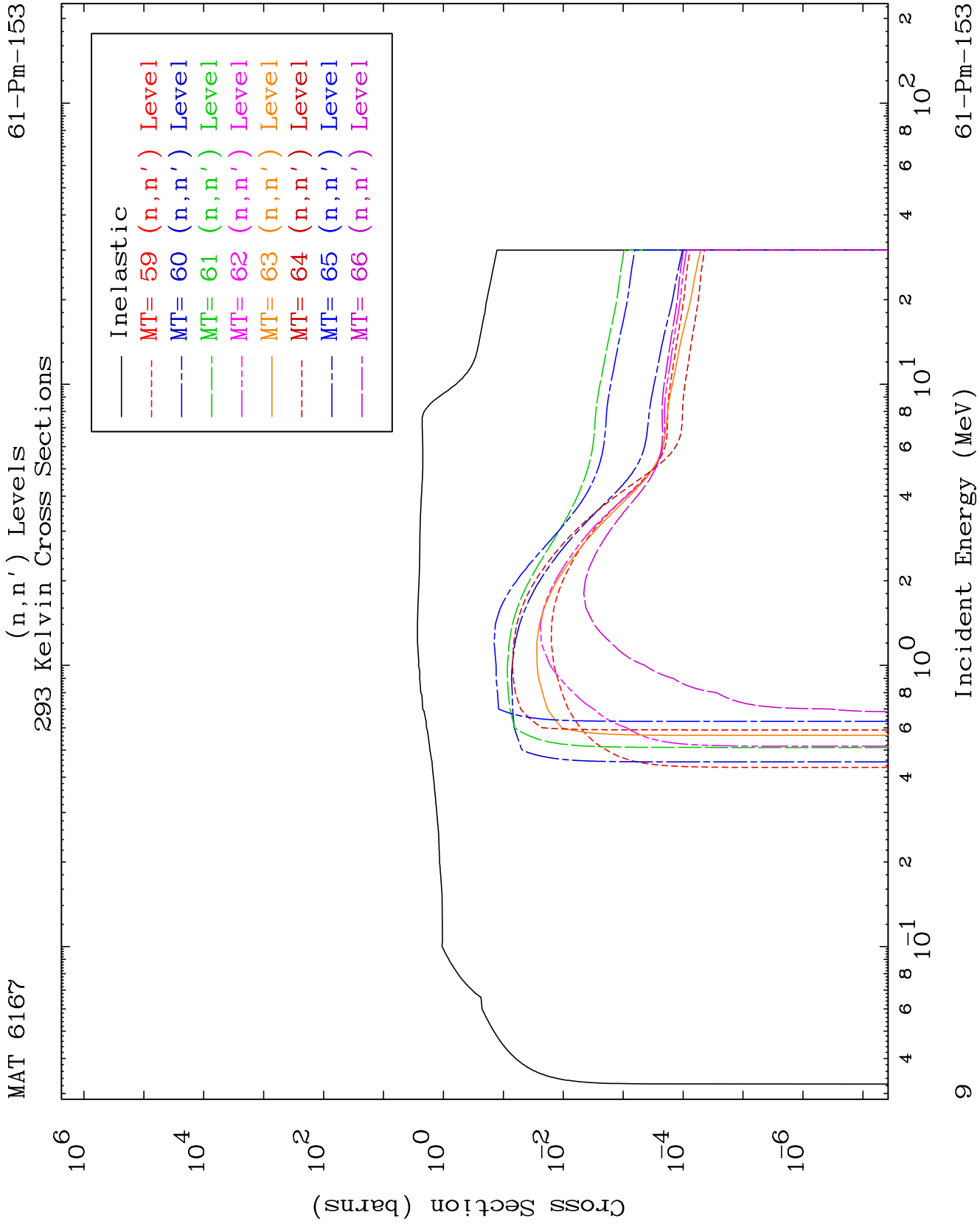


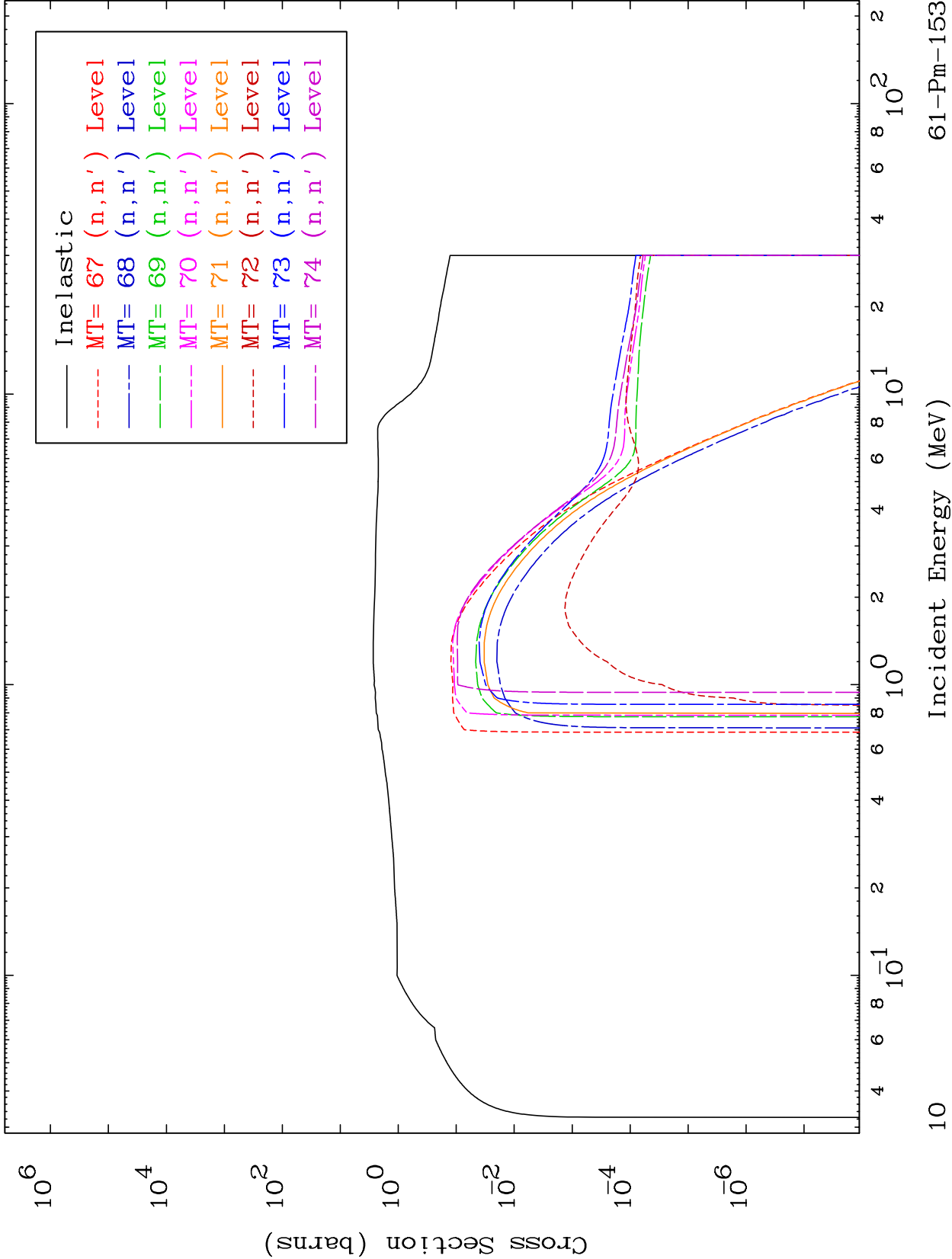




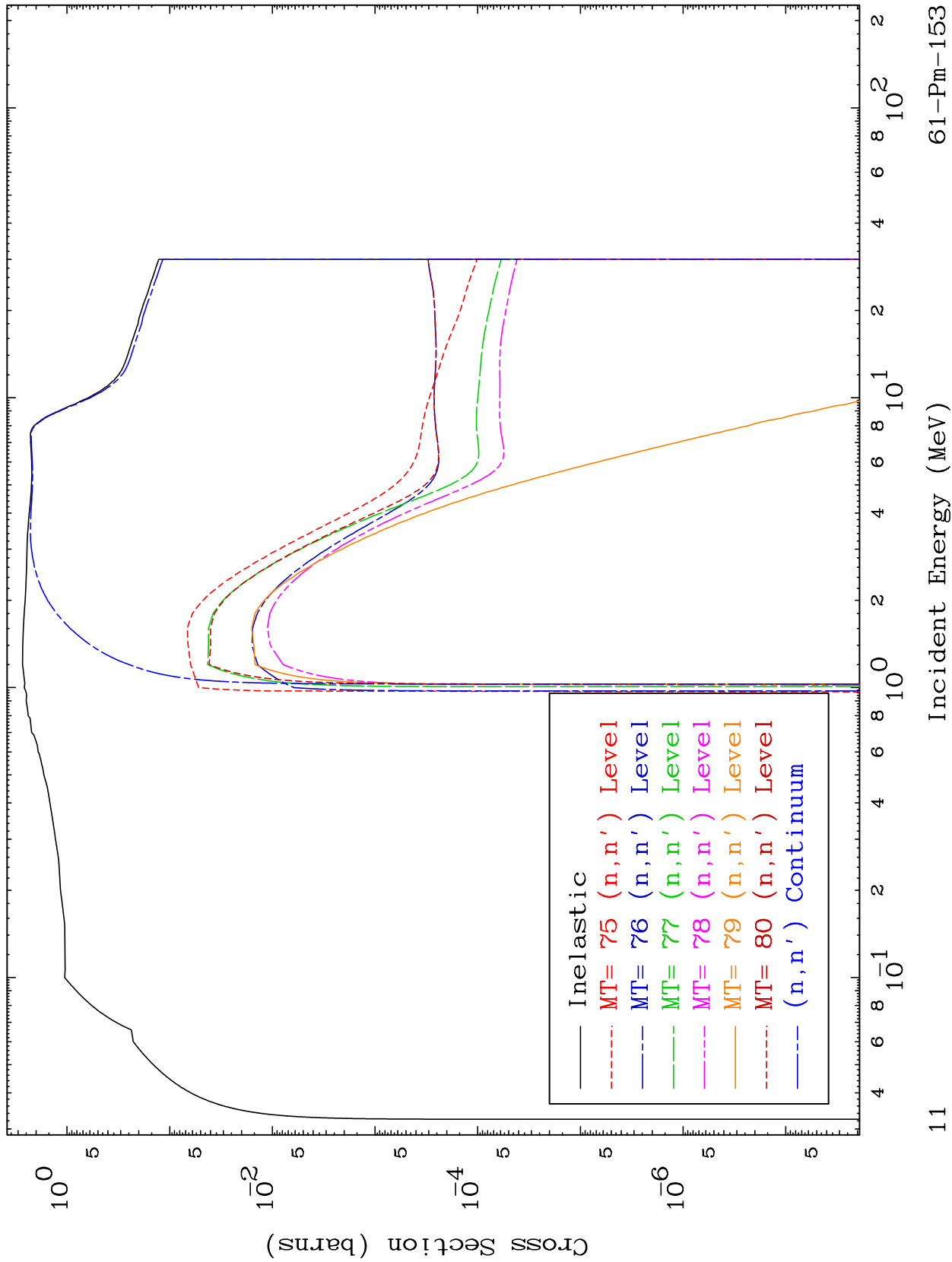








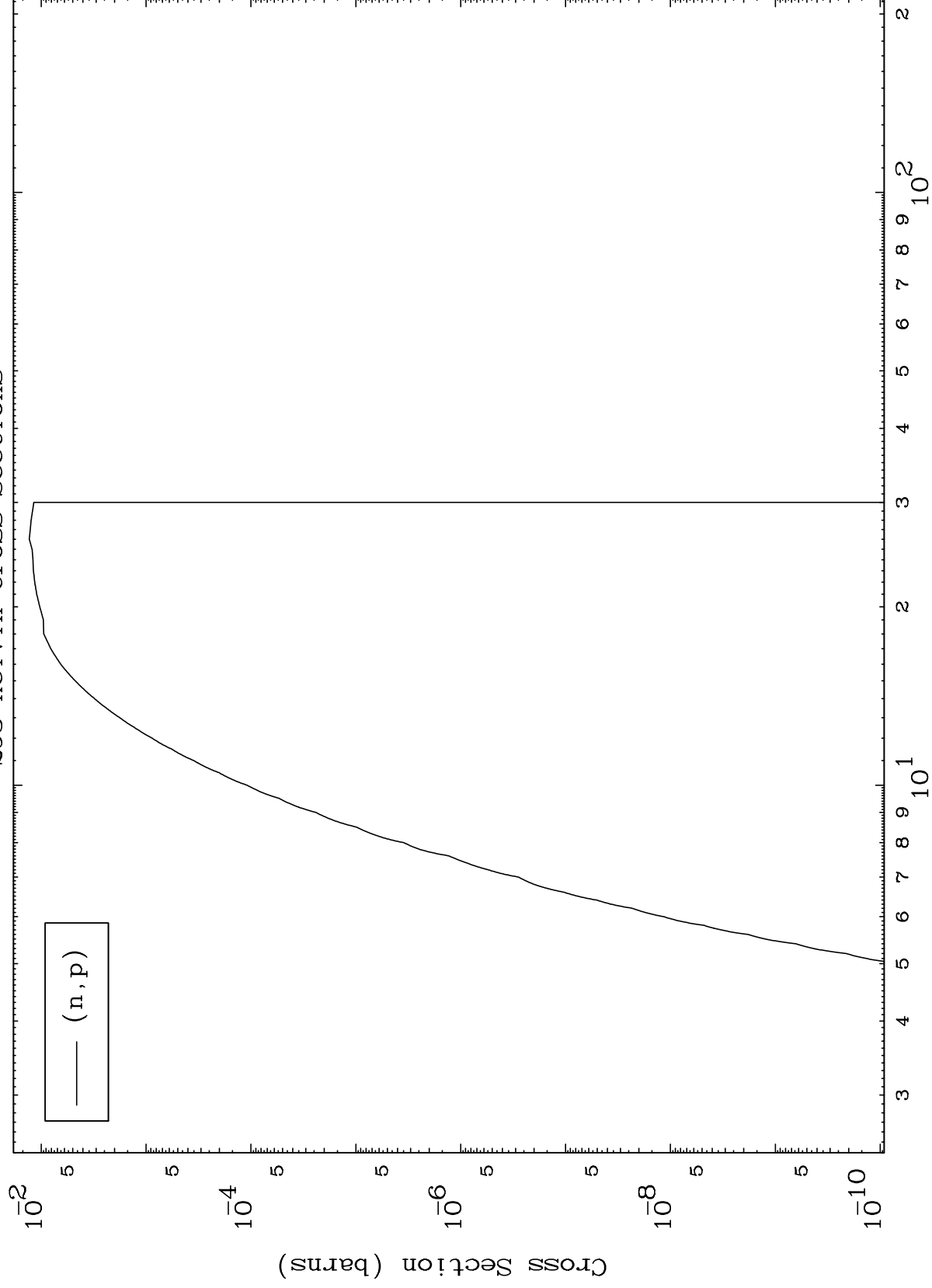
(n,n') Levels
293 Kelvin Cross Sections



MAT 6167

61-Pm-153

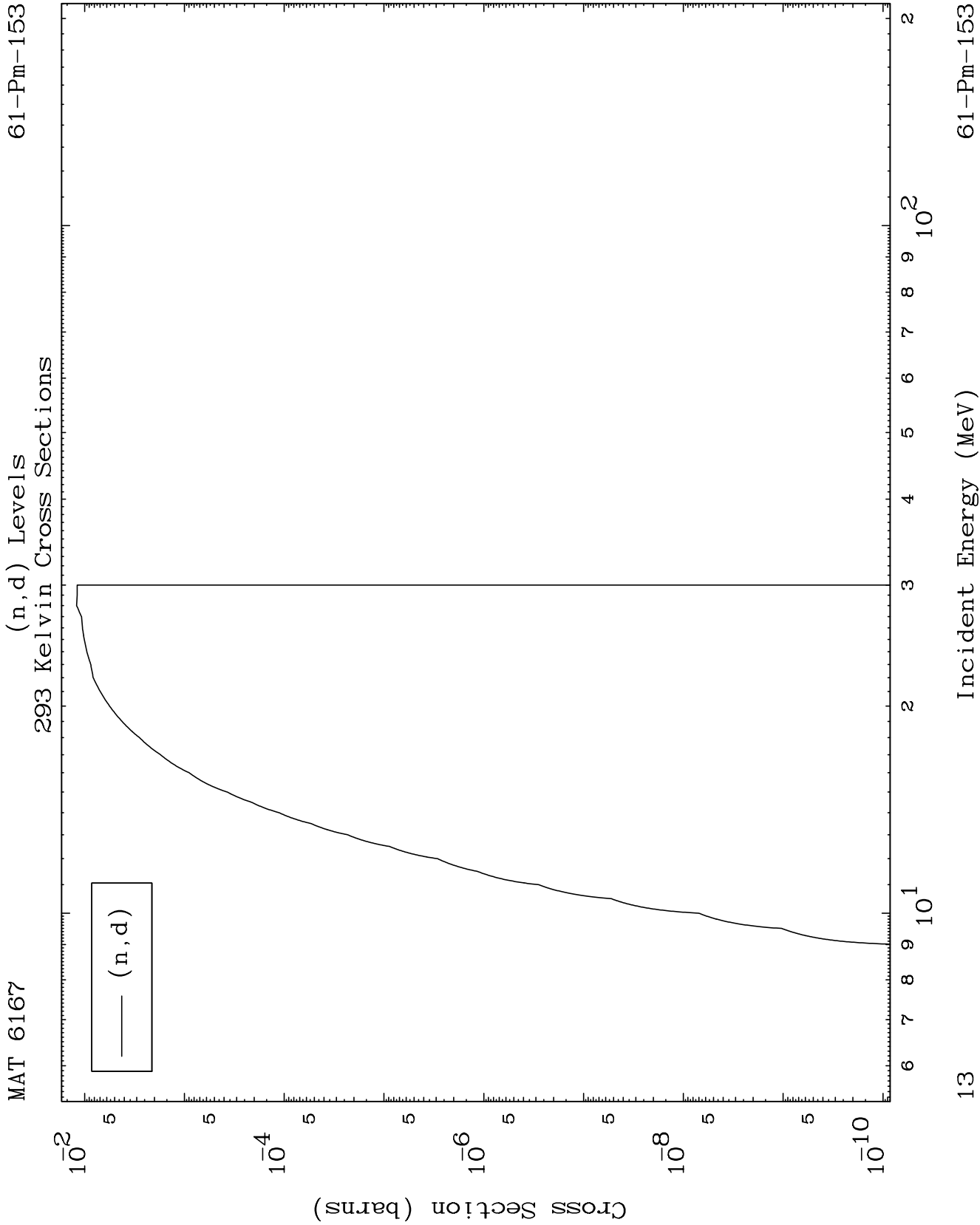
(n,p) Levels
293 Kelvin Cross Sections

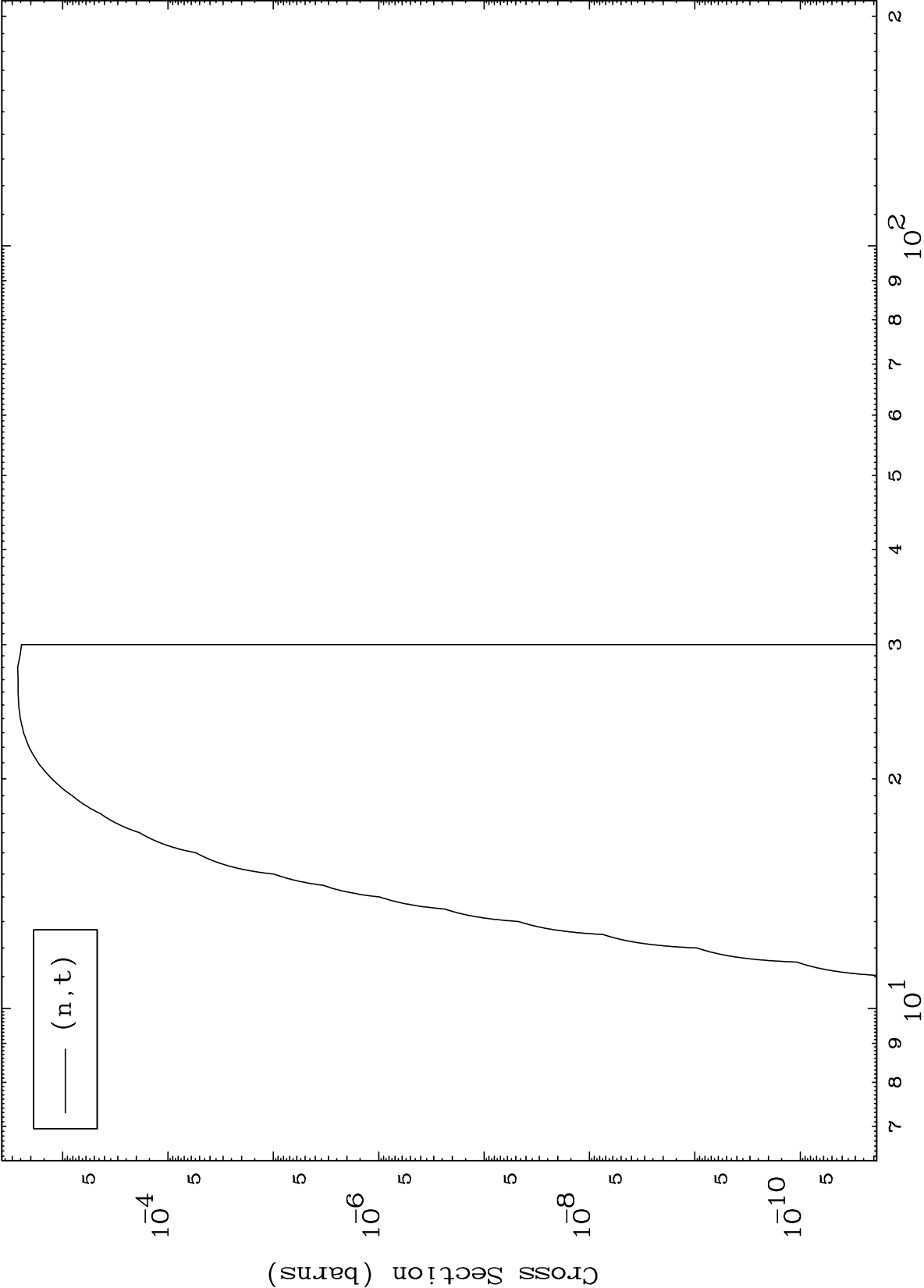


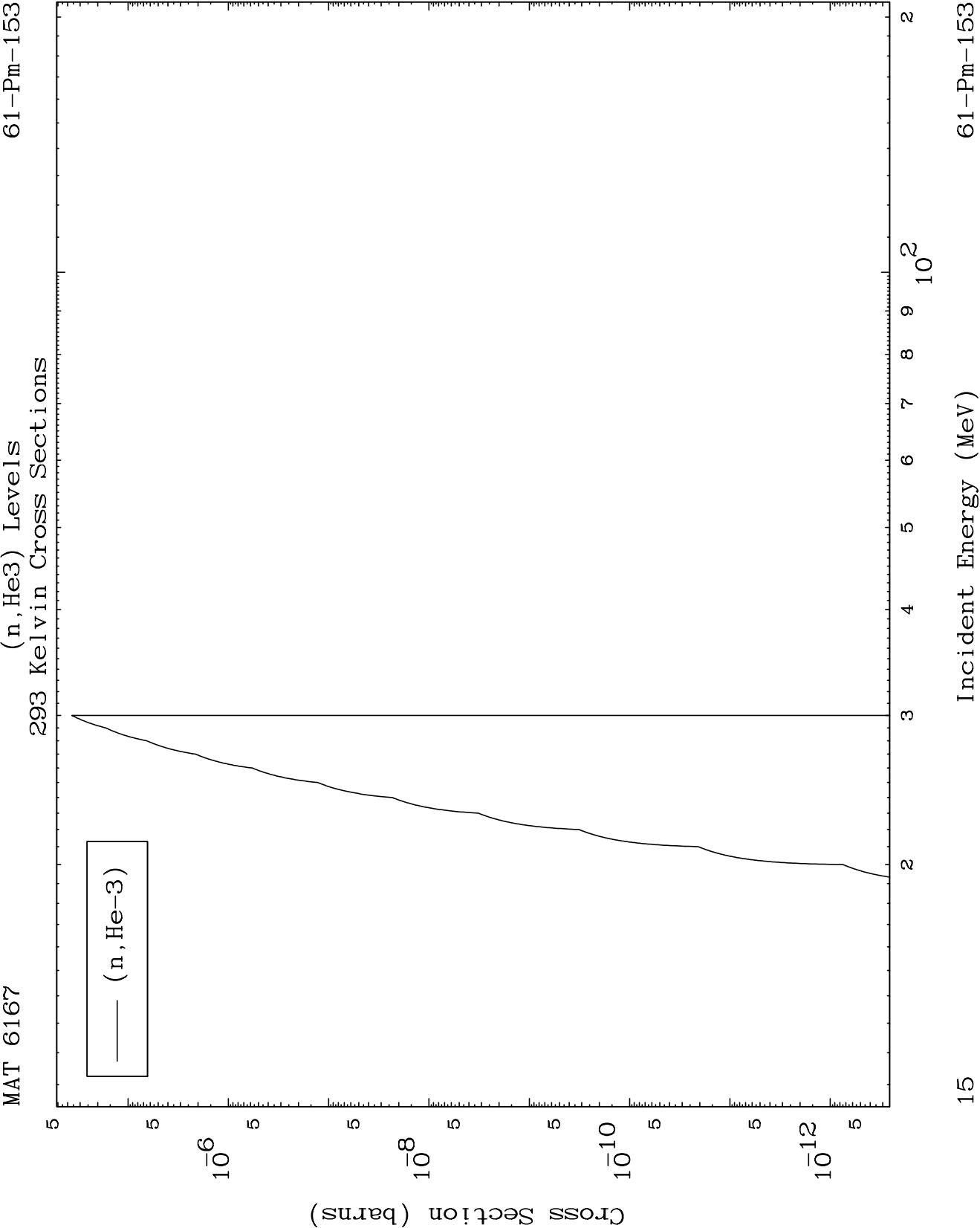
12

Incident Energy (MeV)

61-Pm-153



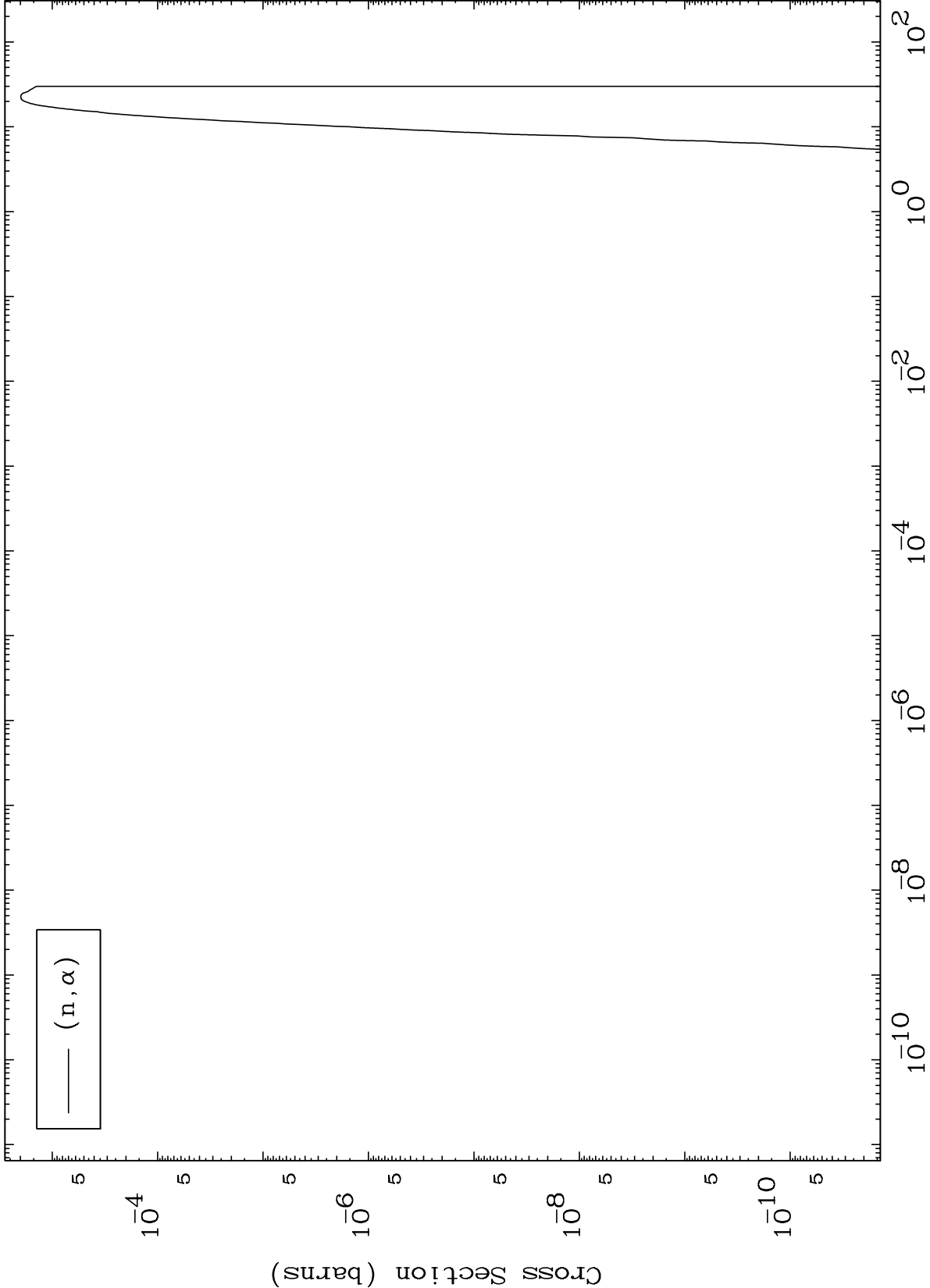




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(n, α) Levels
293 Kelvin Cross Sections

61-Pm-153



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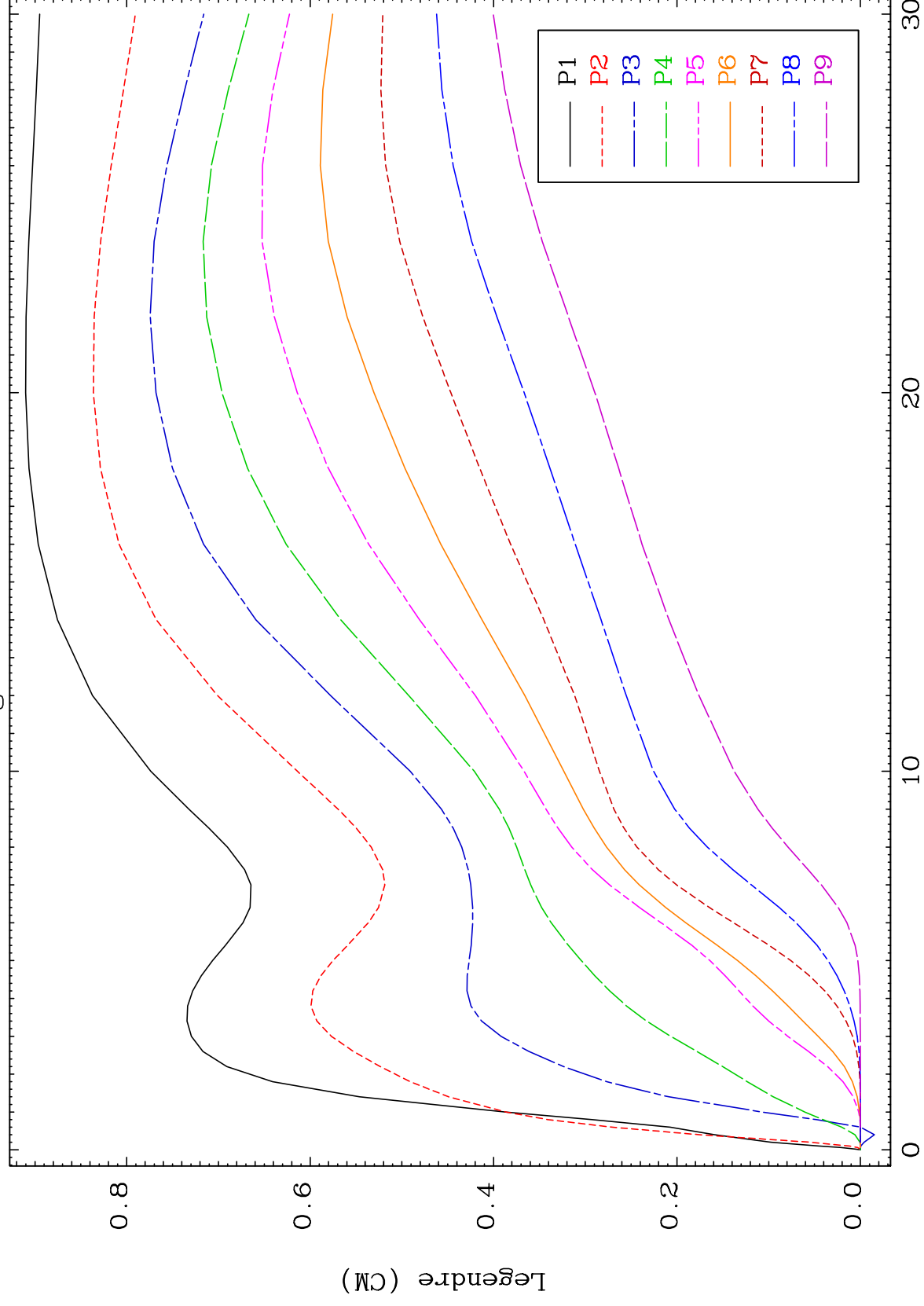
Incident Energy (MeV)

61-Pm-153

MAT 6167

61-Pm-153

Elastic Legendre Coefficients

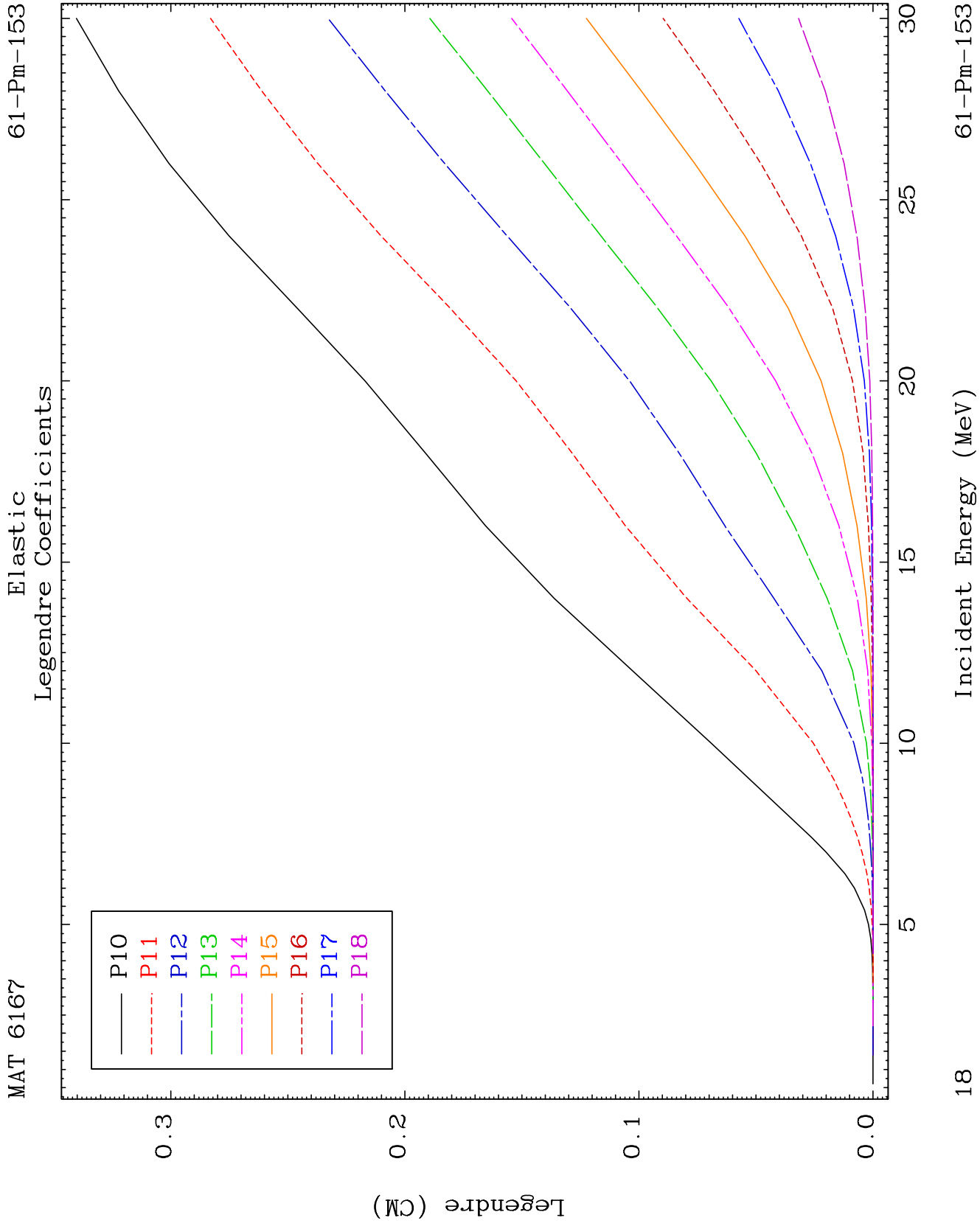


21

Incident Energy (MeV)

61-Pm-153

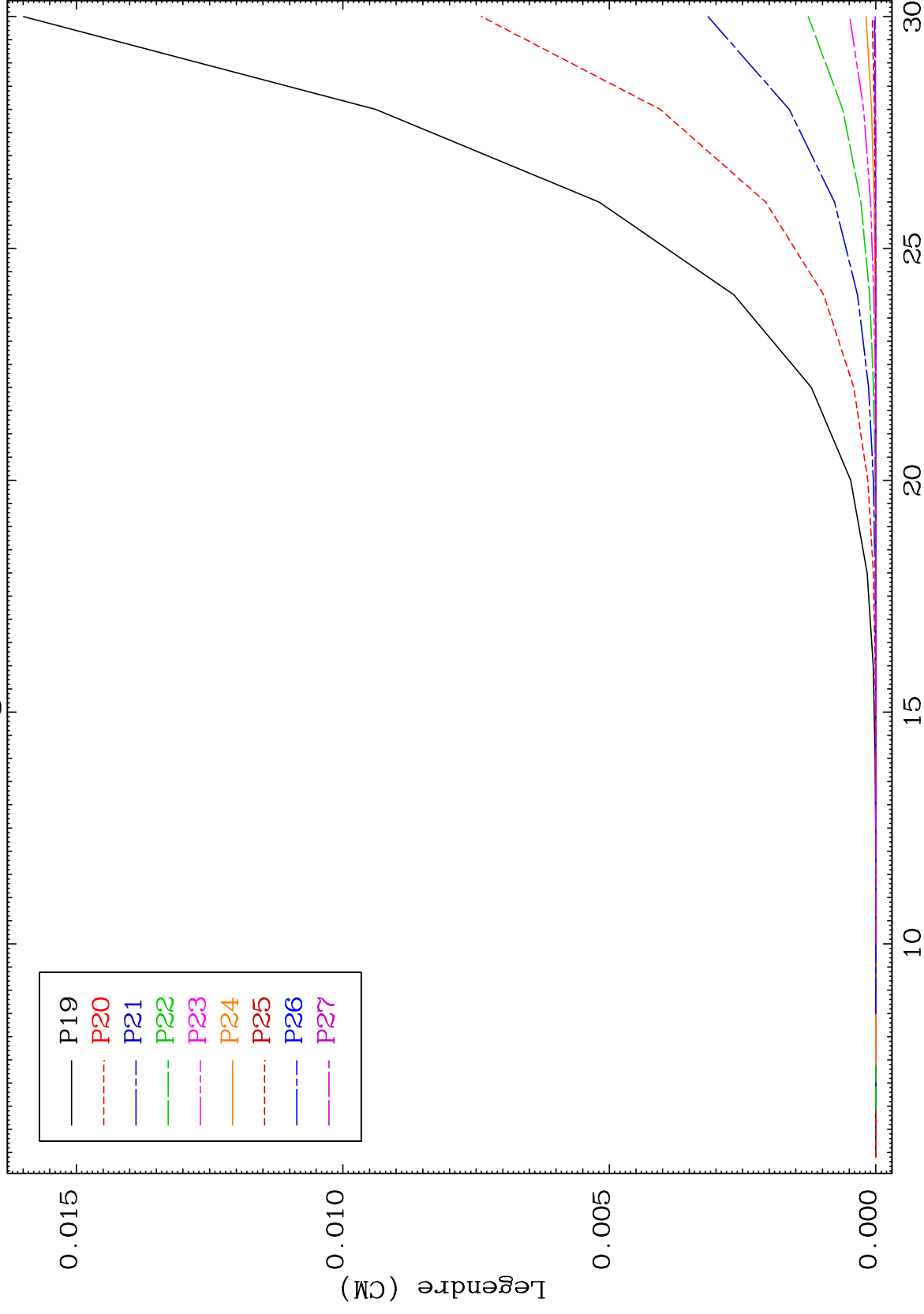
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Elastic Legendre Coefficients

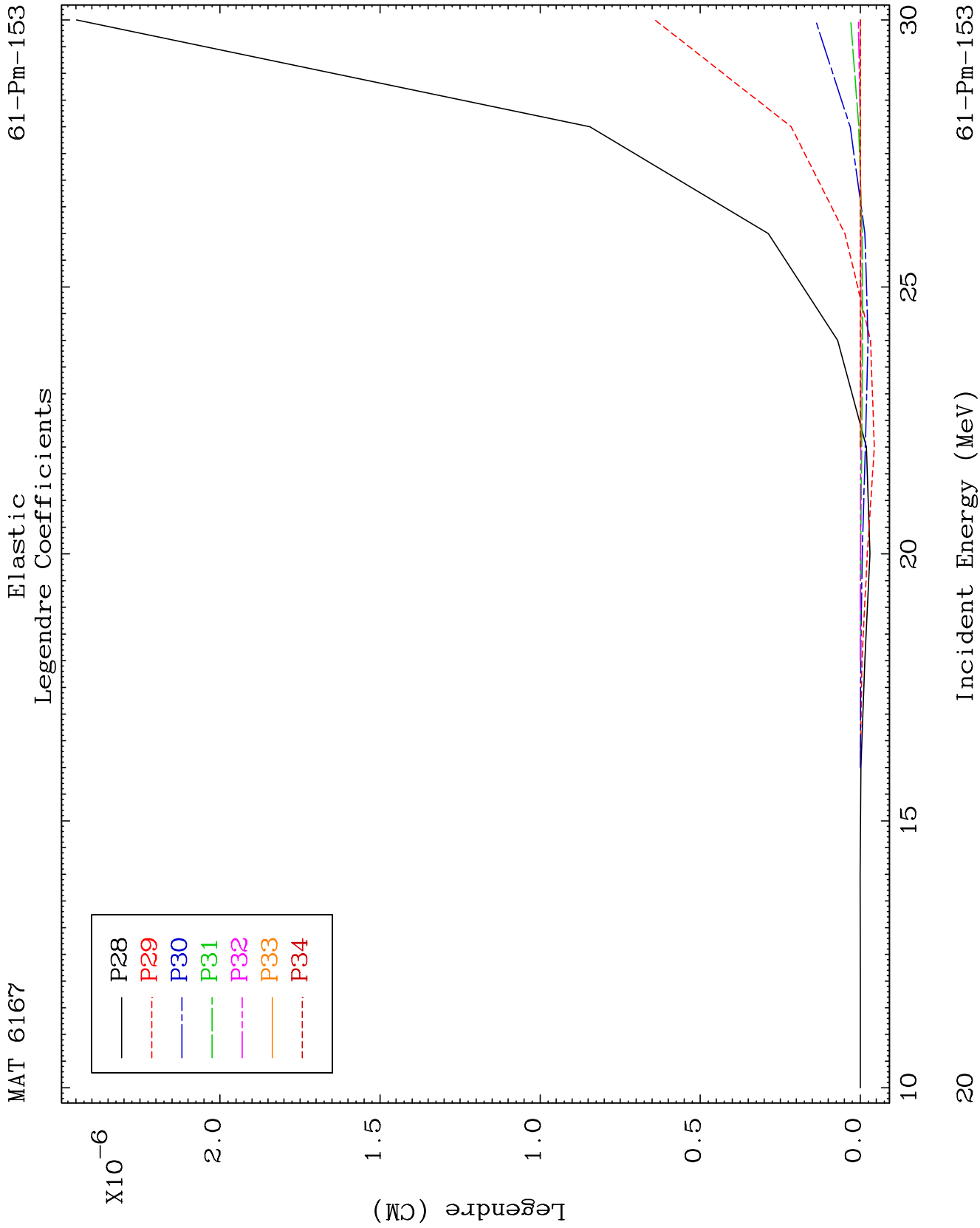
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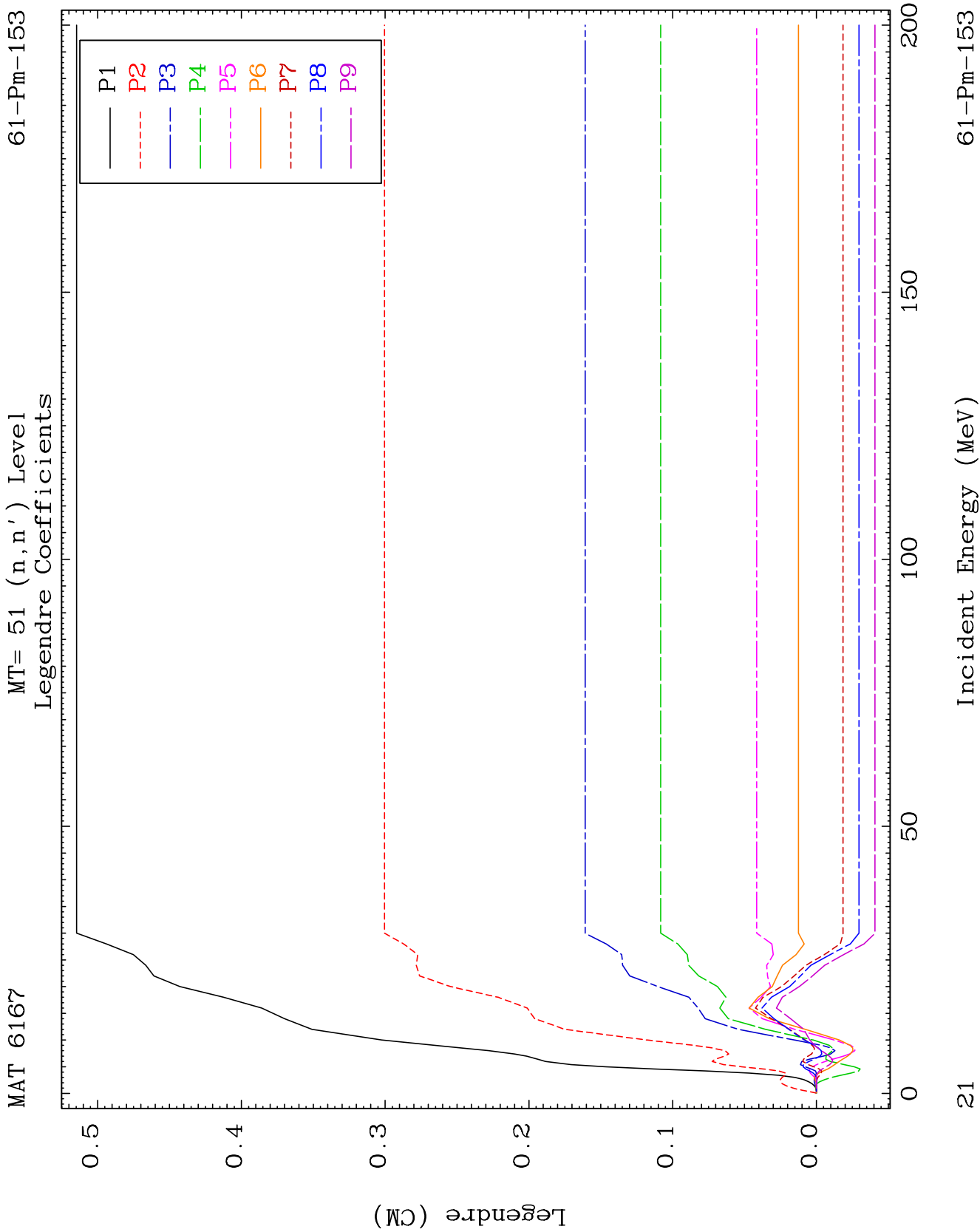


19

Incident Energy (MeV)

61-Pm-153

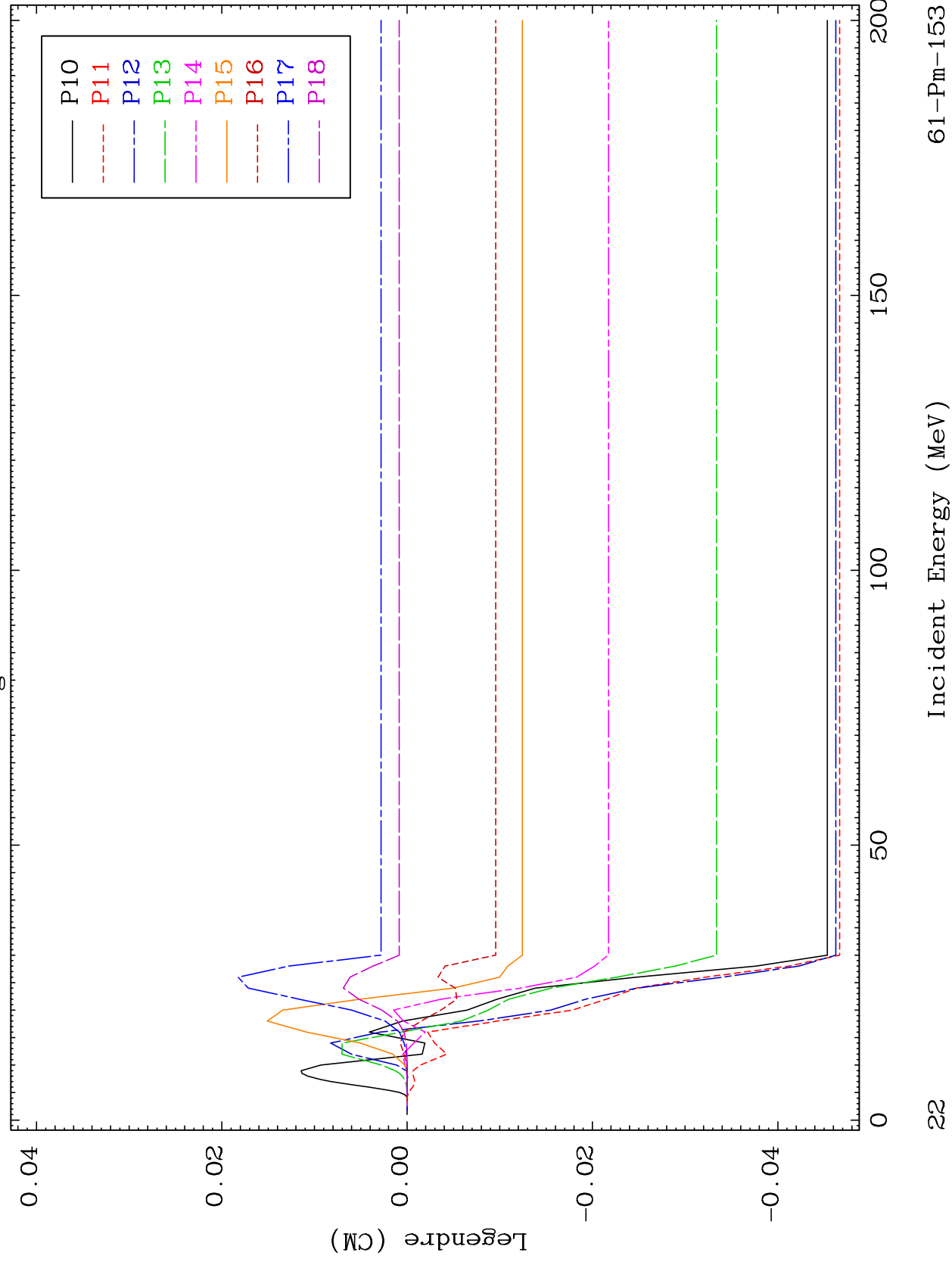


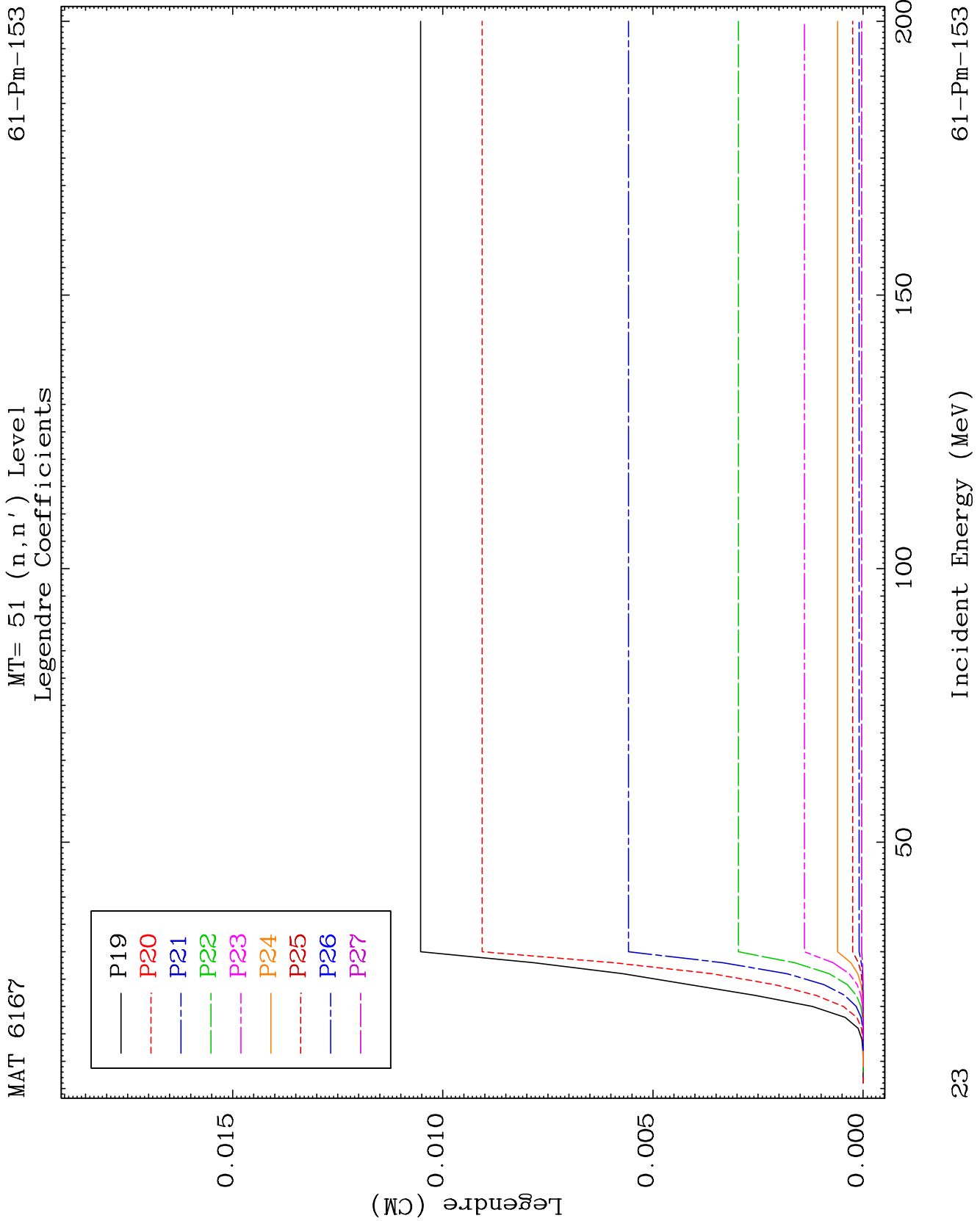


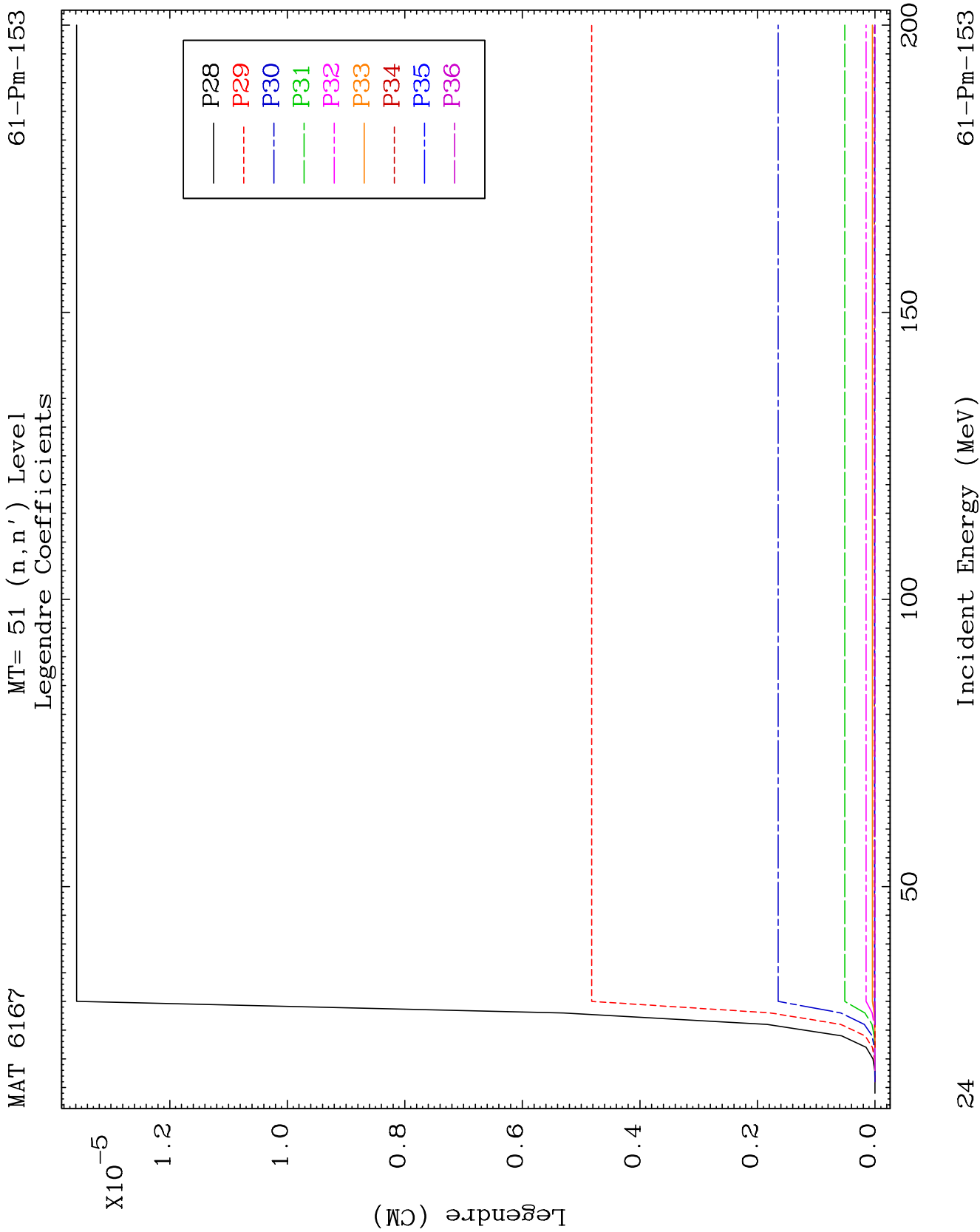
MAT 6167

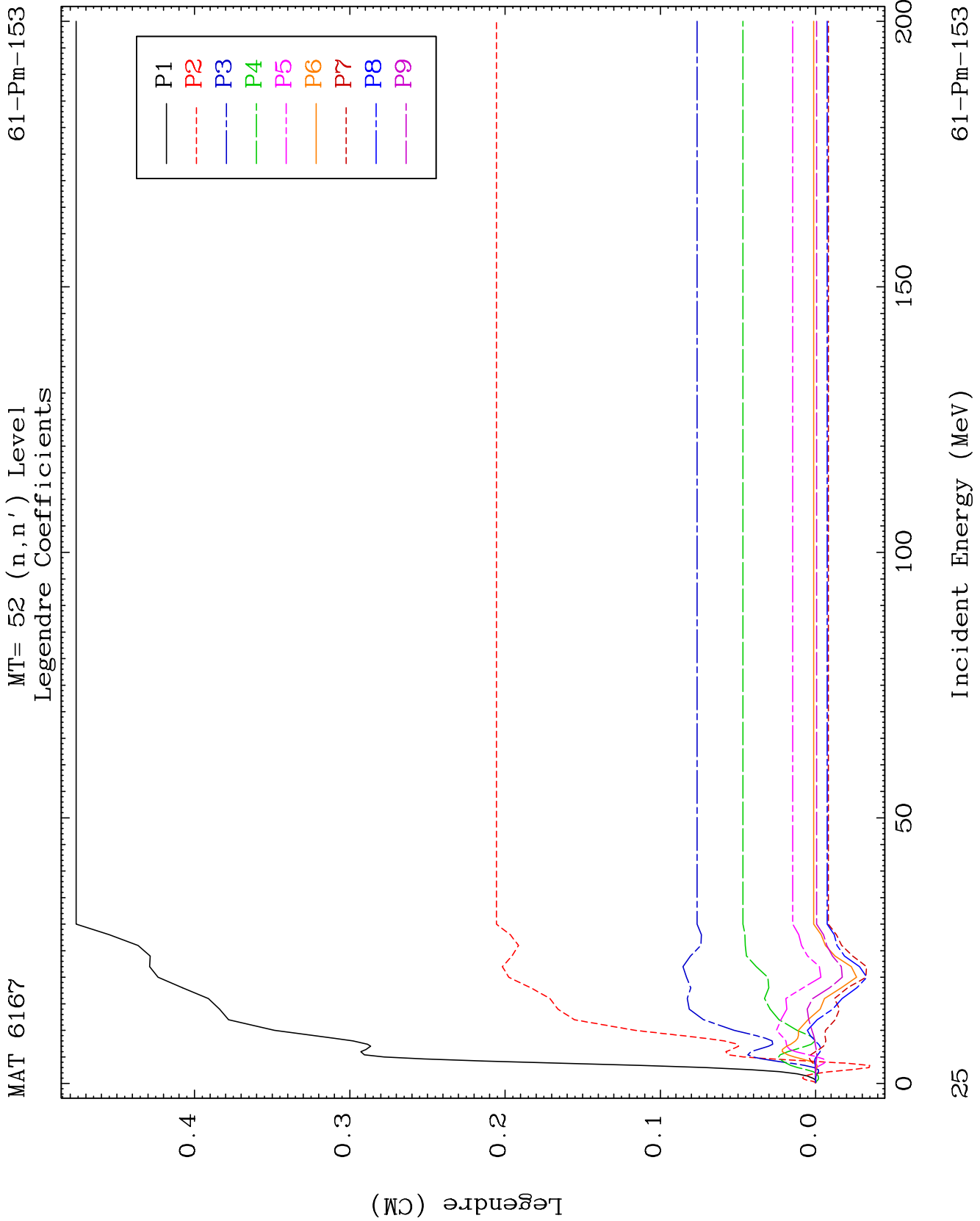
MT= 51 (n, n') Level
Legendre Coefficients

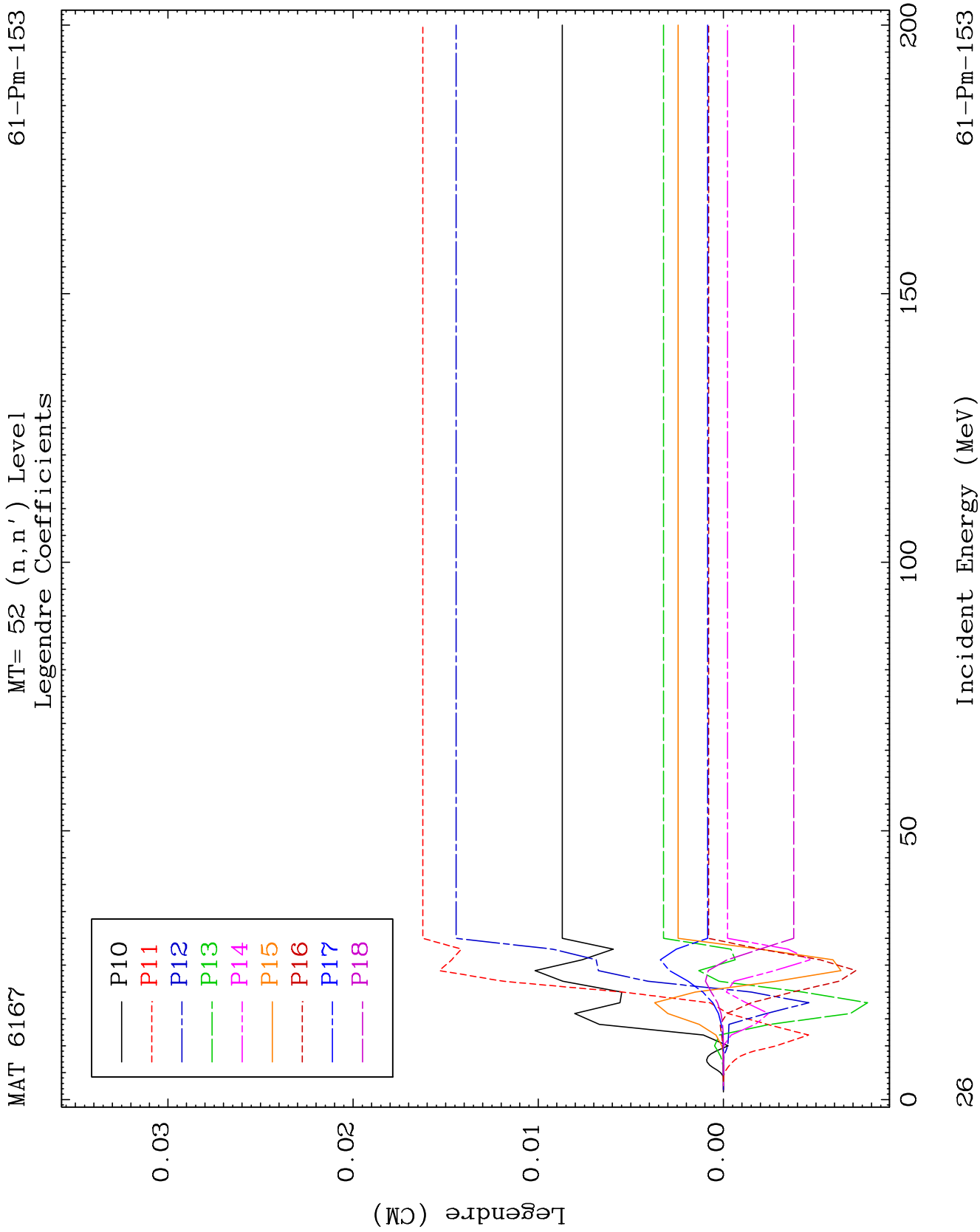
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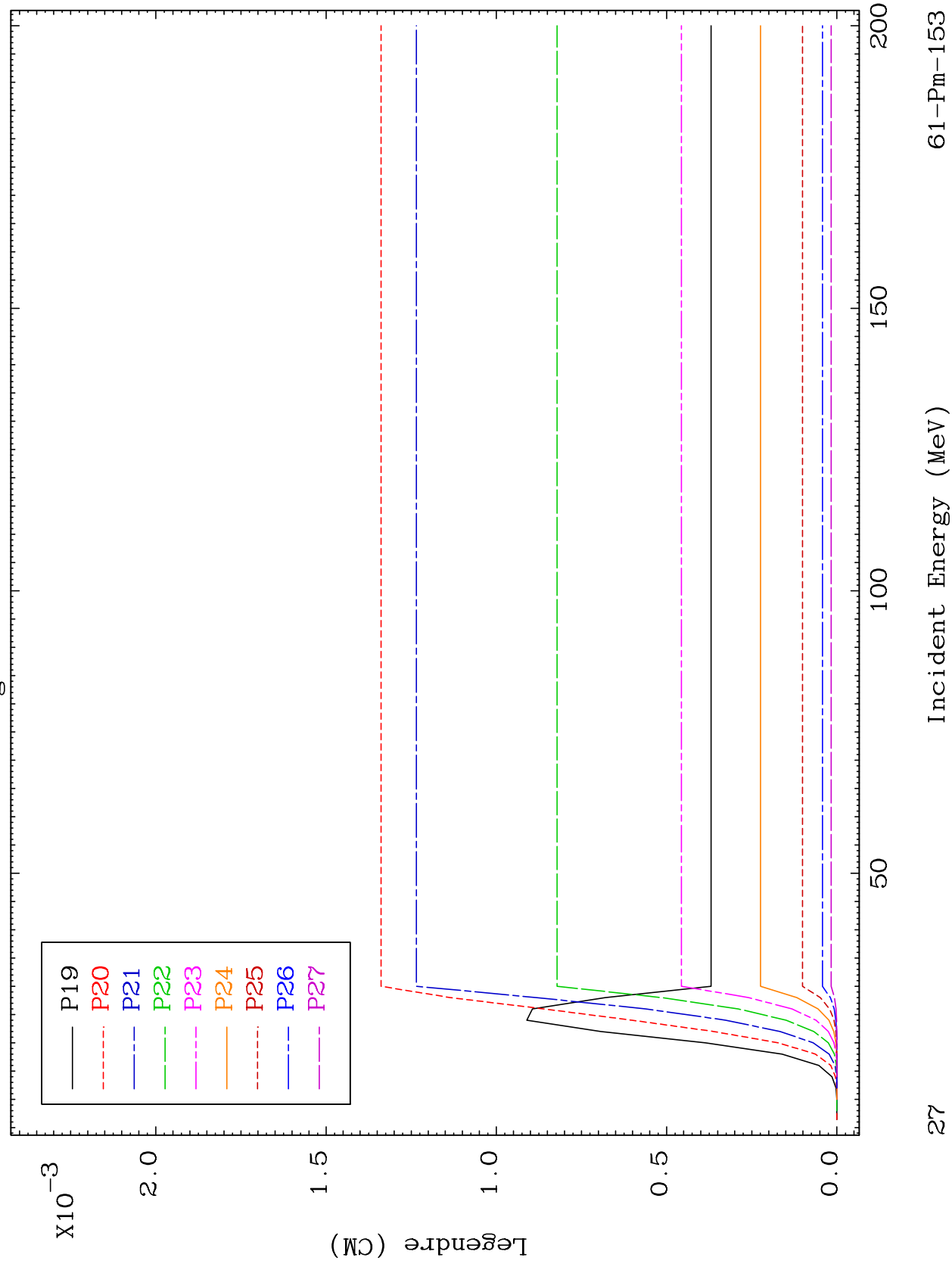


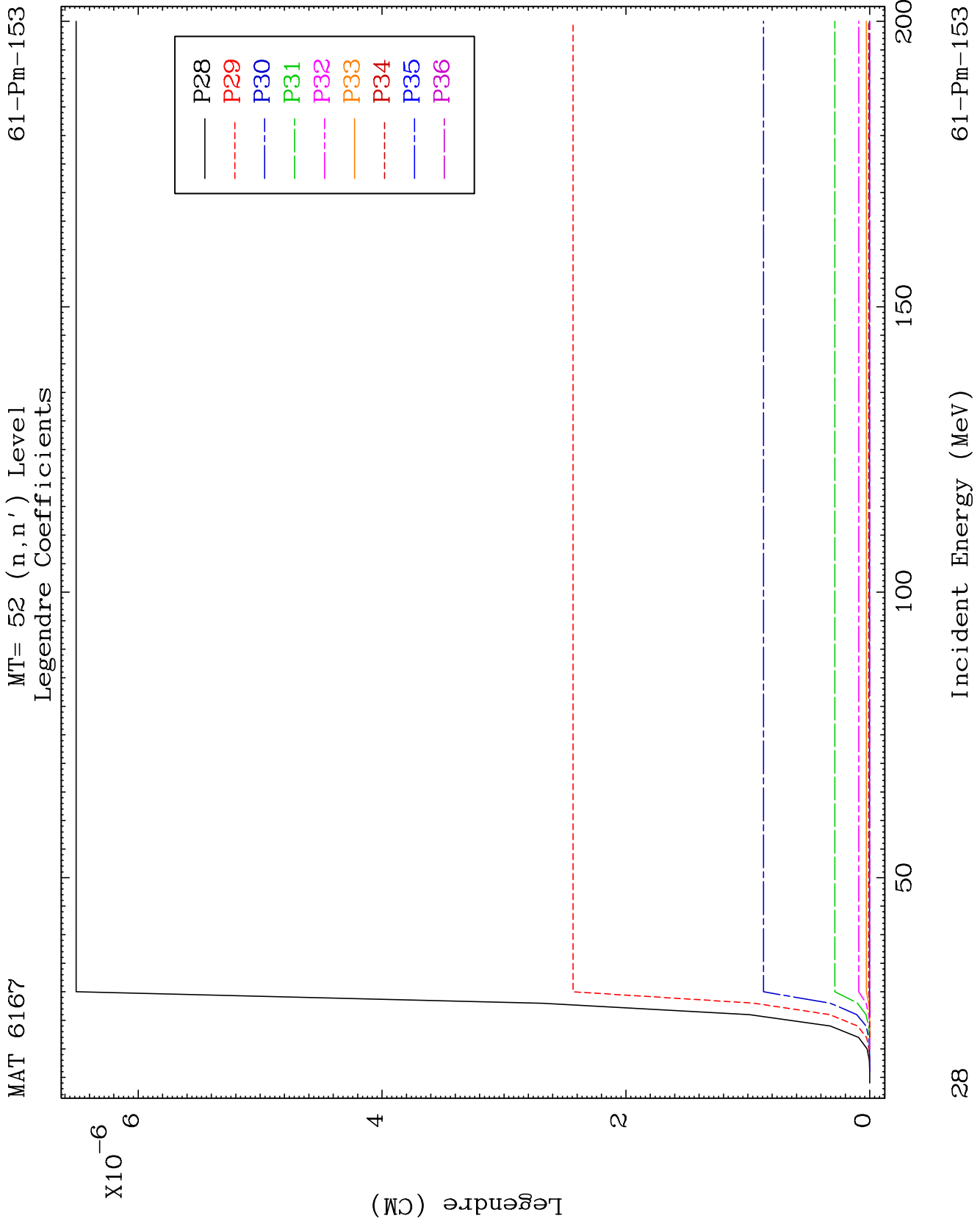


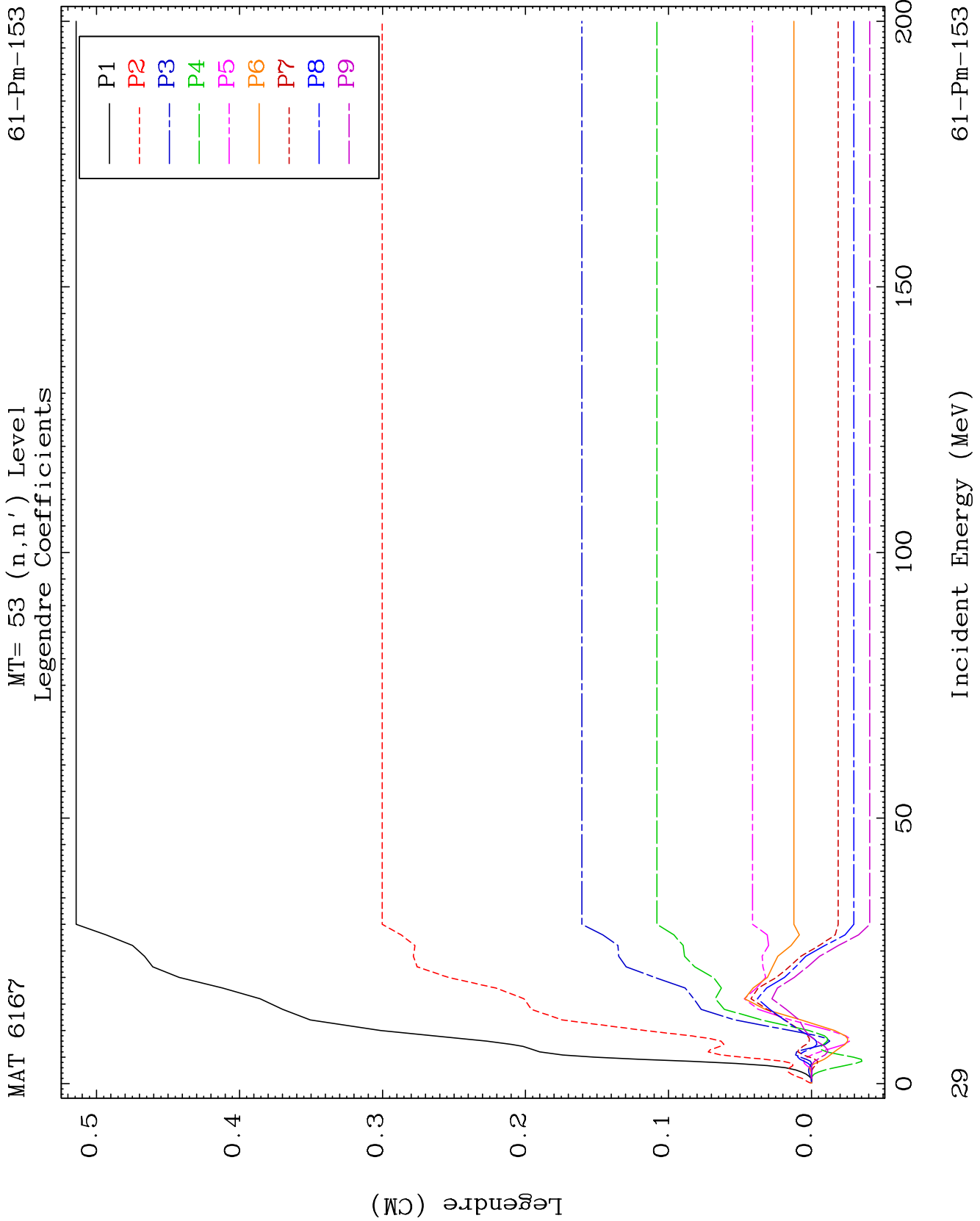
MAT 6167

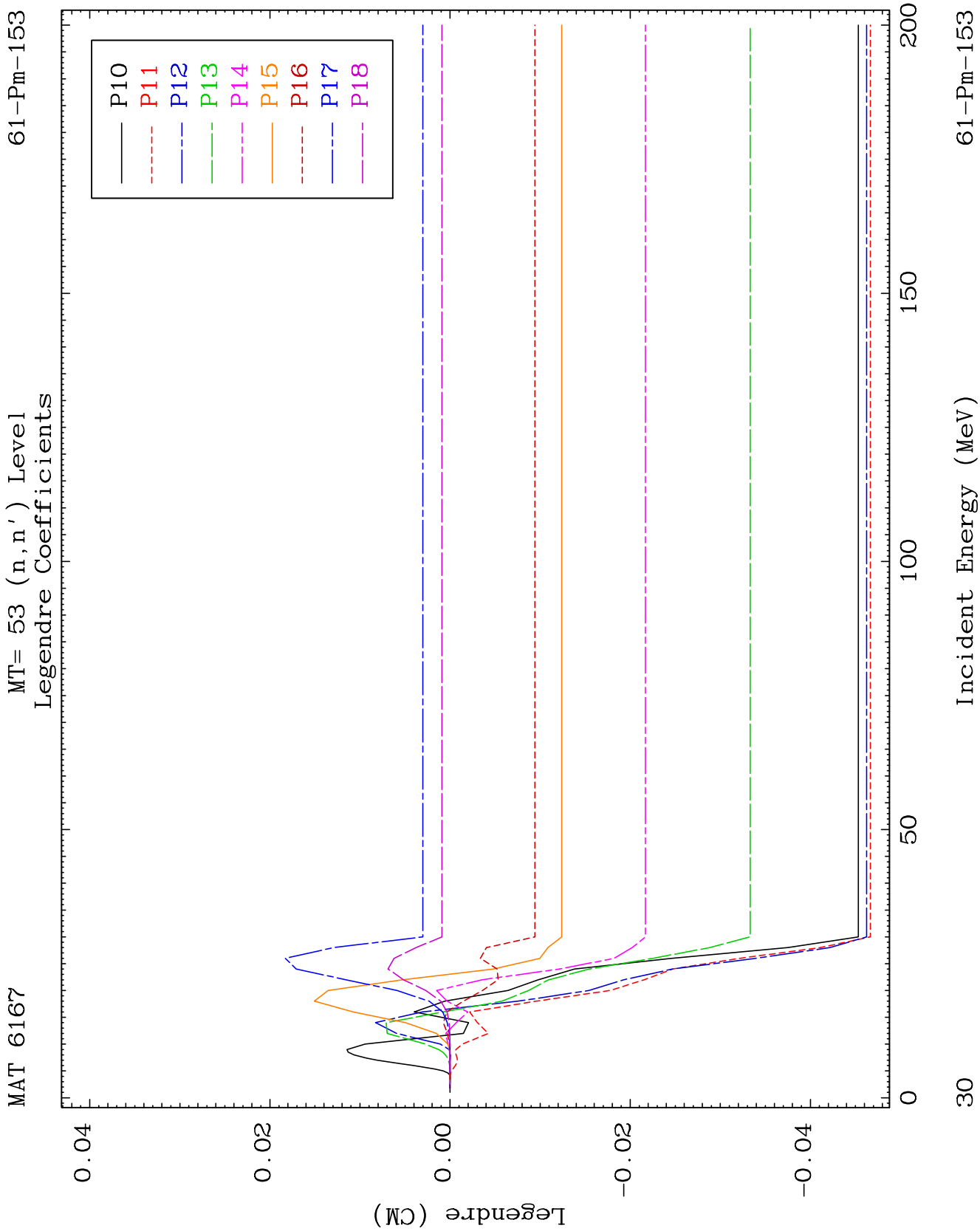
MT= 52 (n, n') Level
Legendre Coefficients

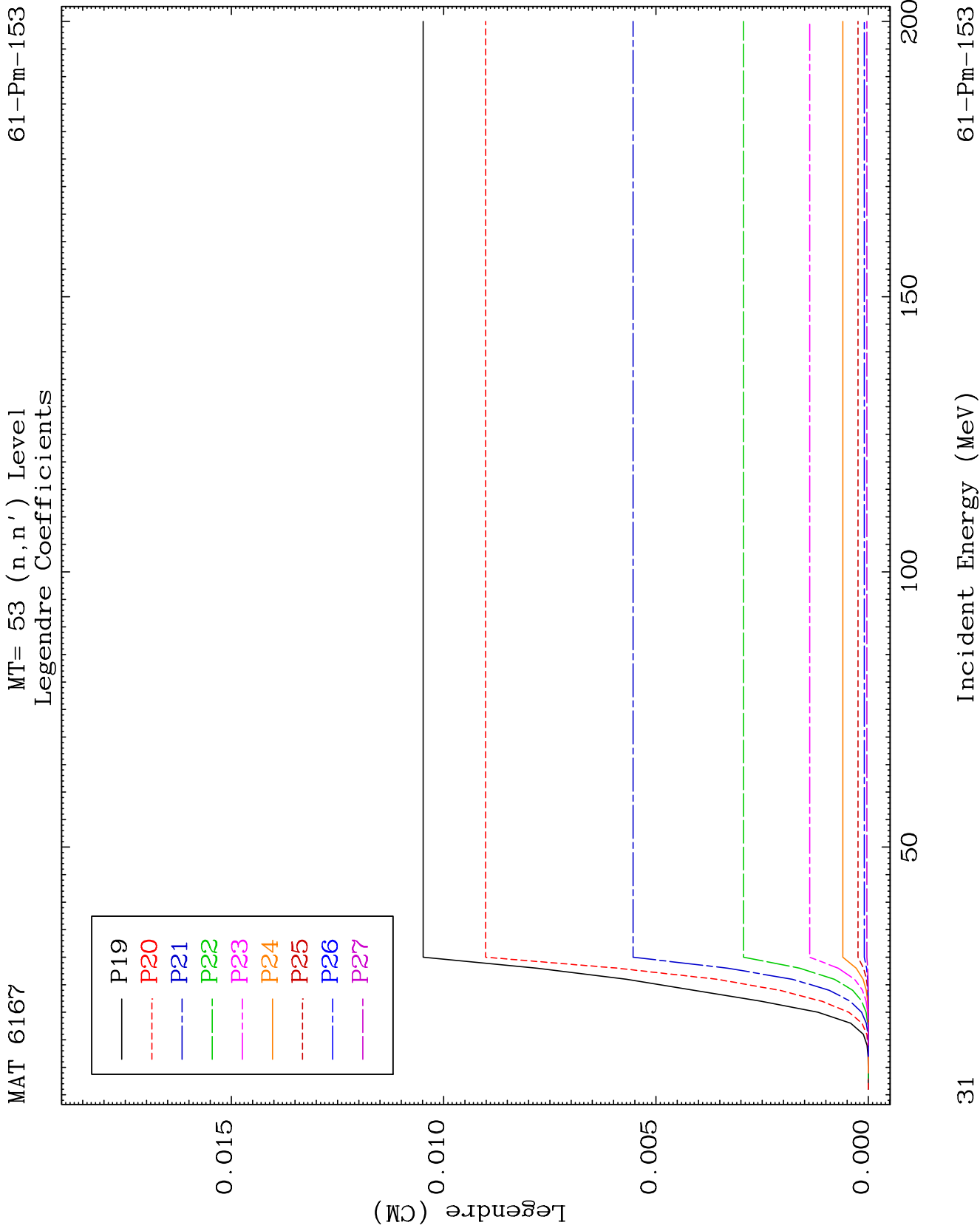
61-Pm-153







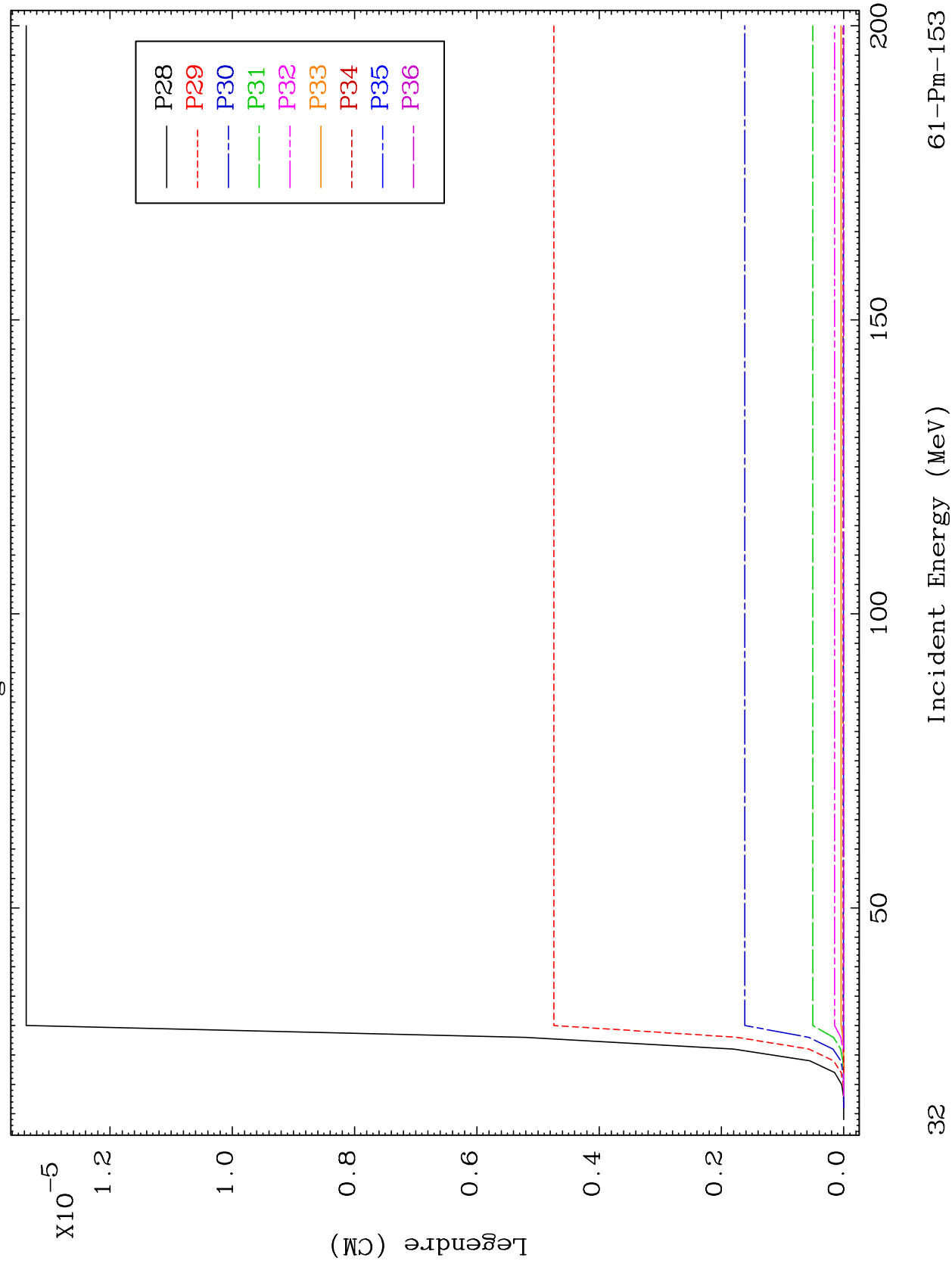


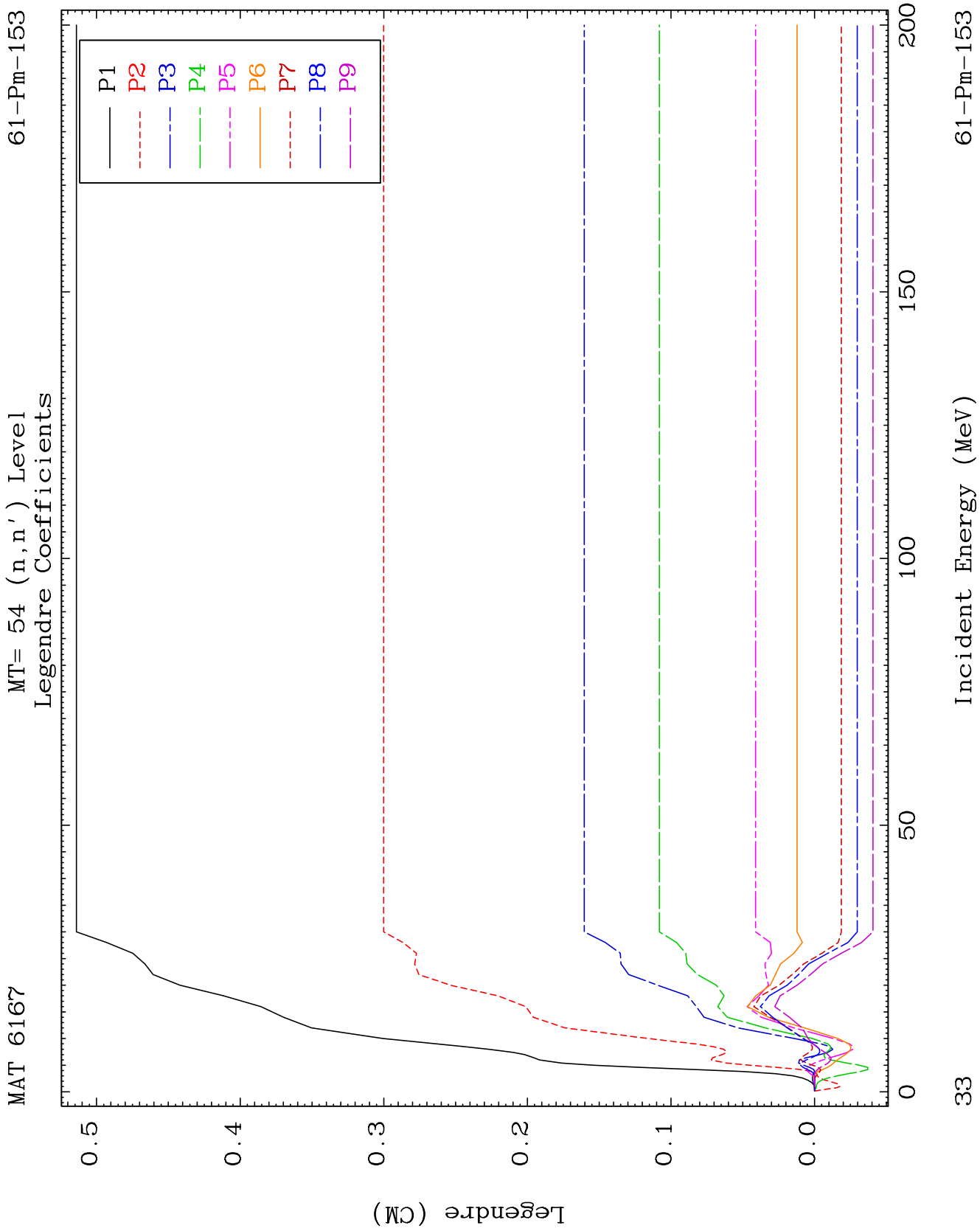


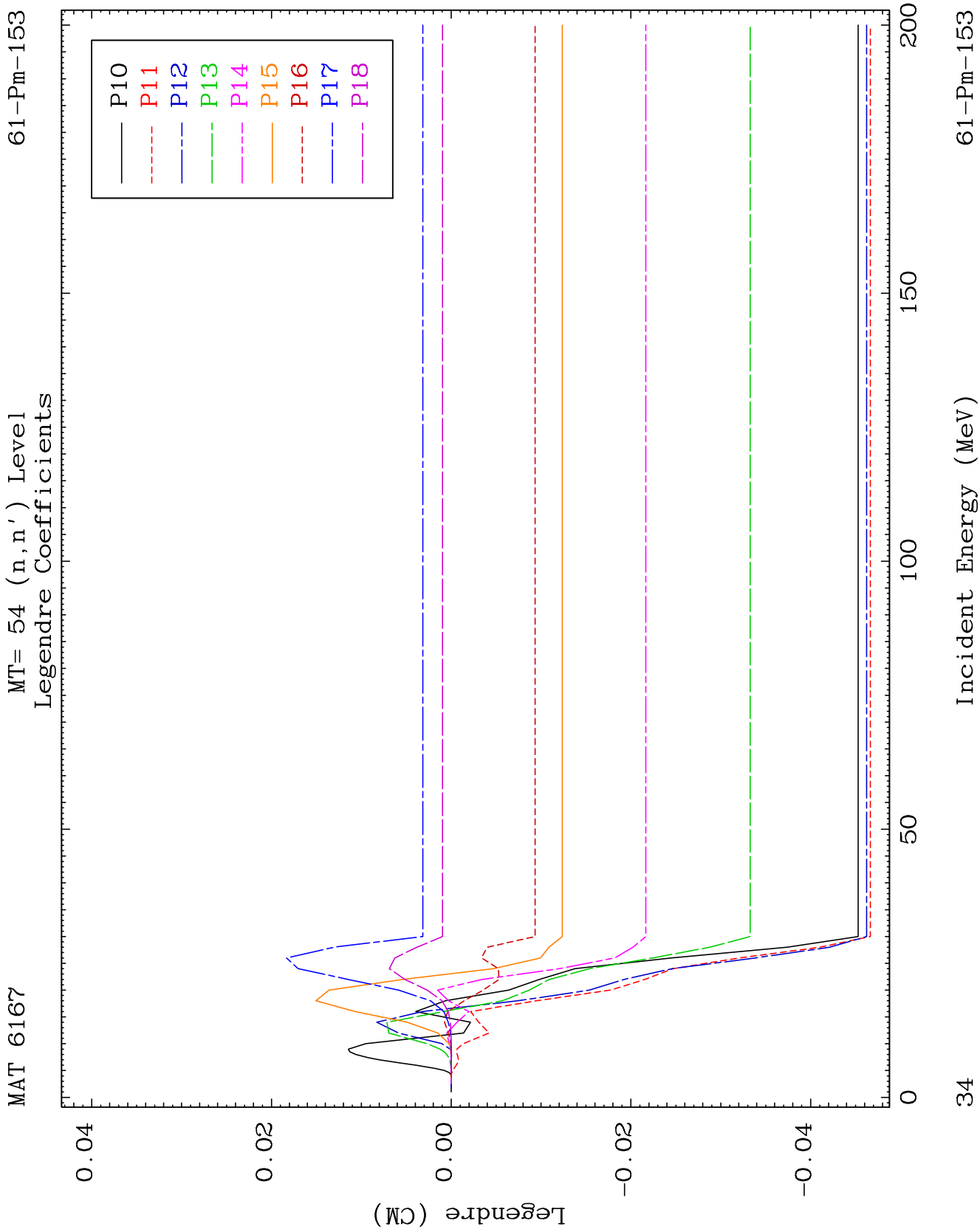
MAT 6167

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

61-Pm-153



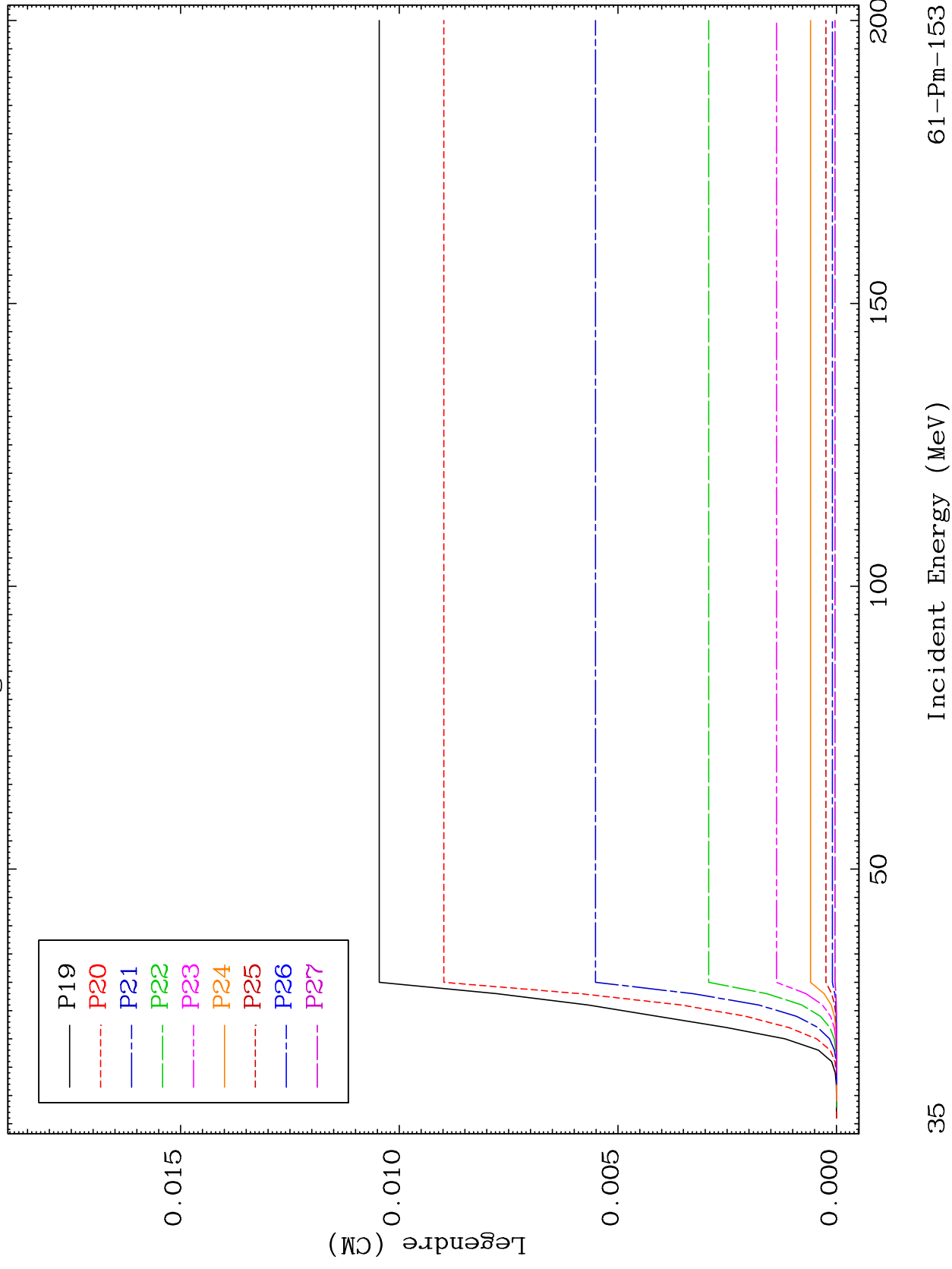


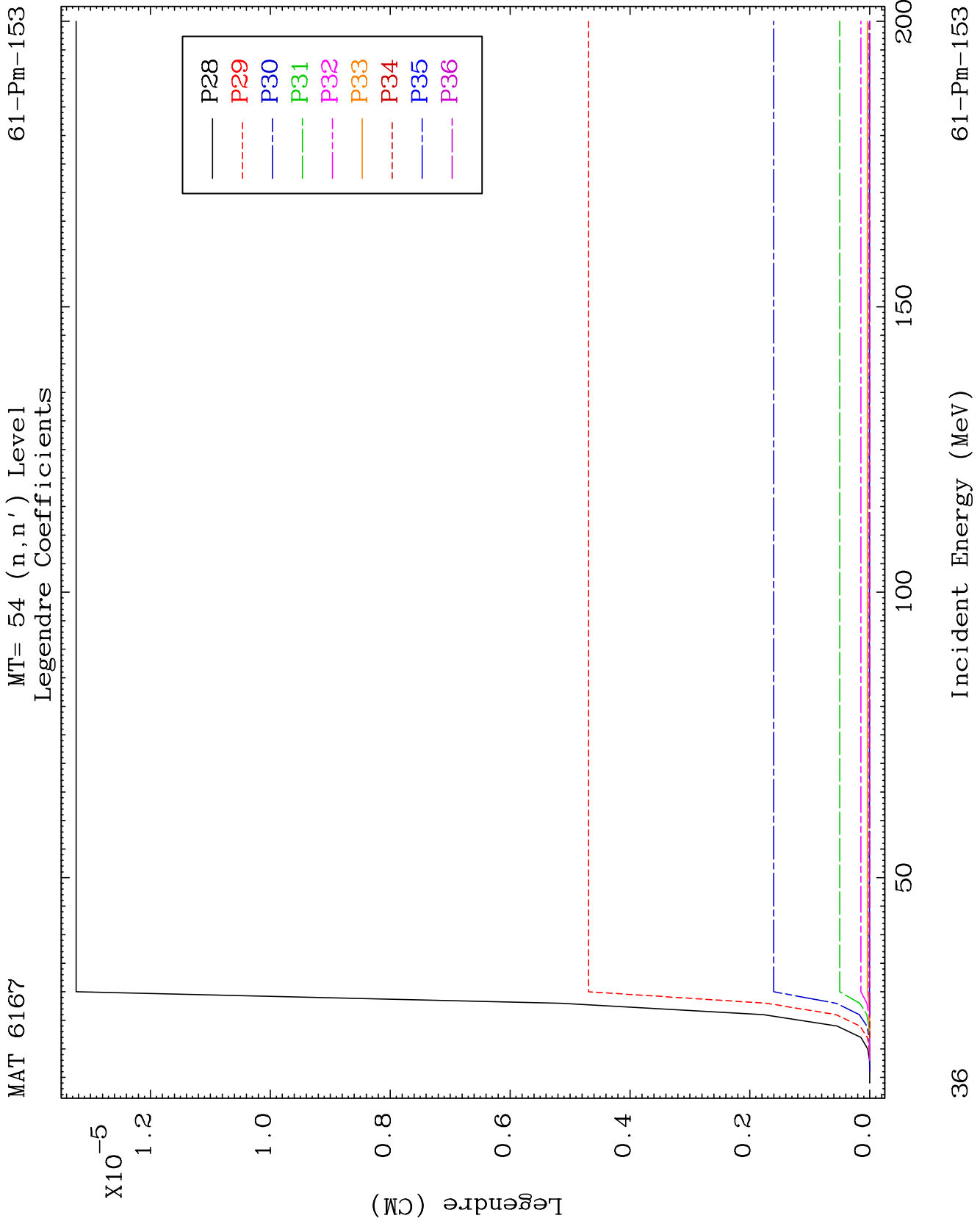


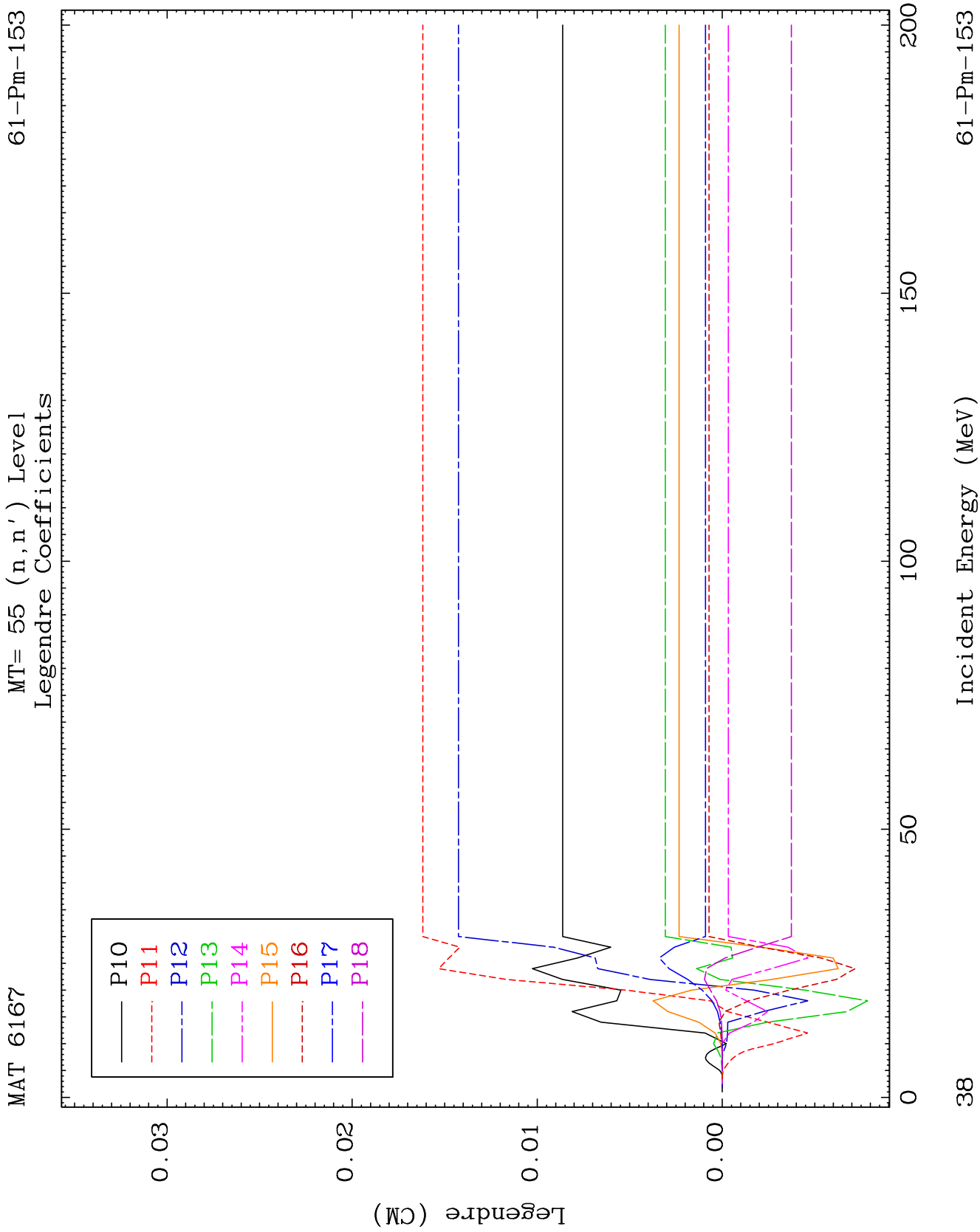
MAT 6167

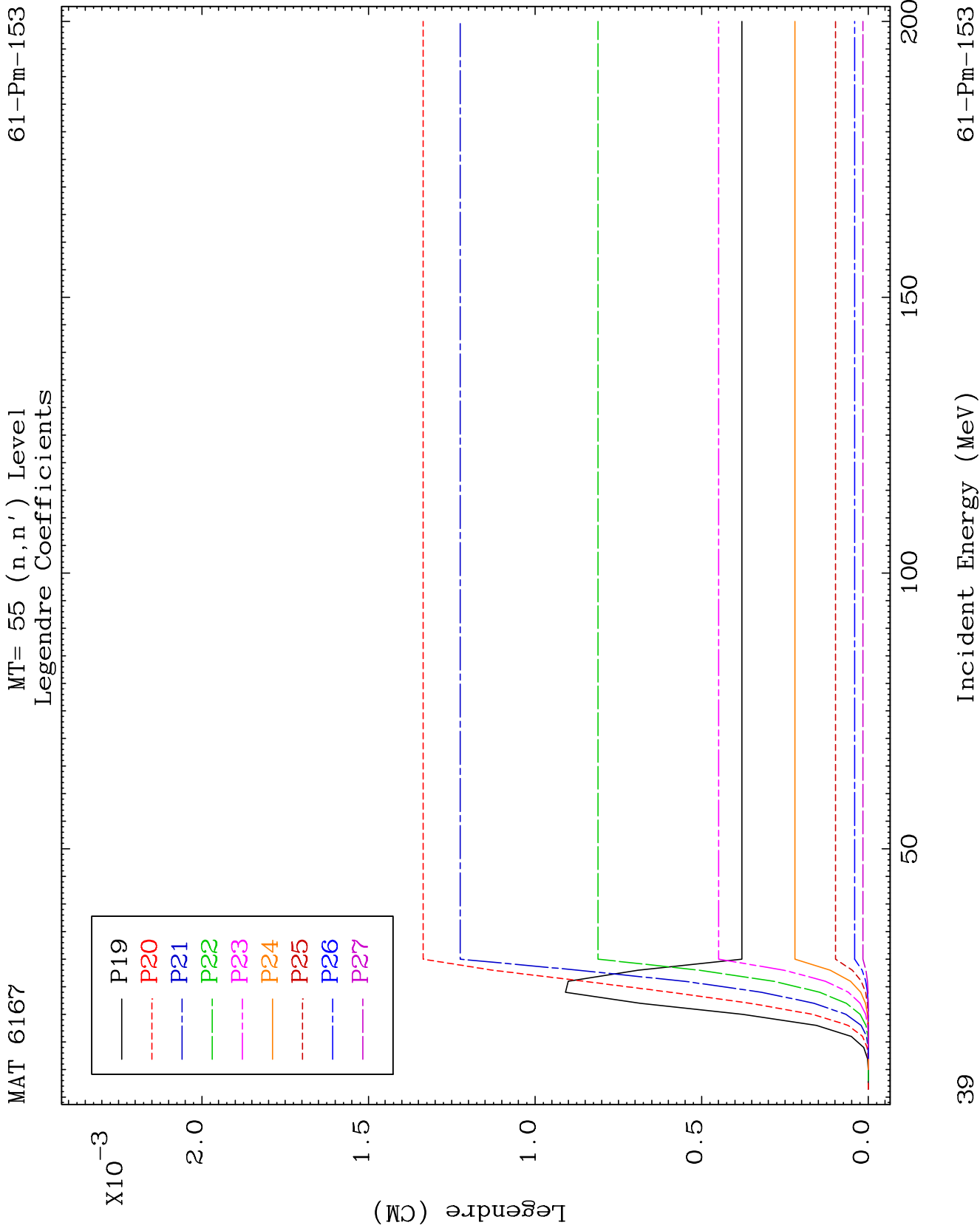
MT= 54 (n, n') Level
Legendre Coefficients

61-Pm-153





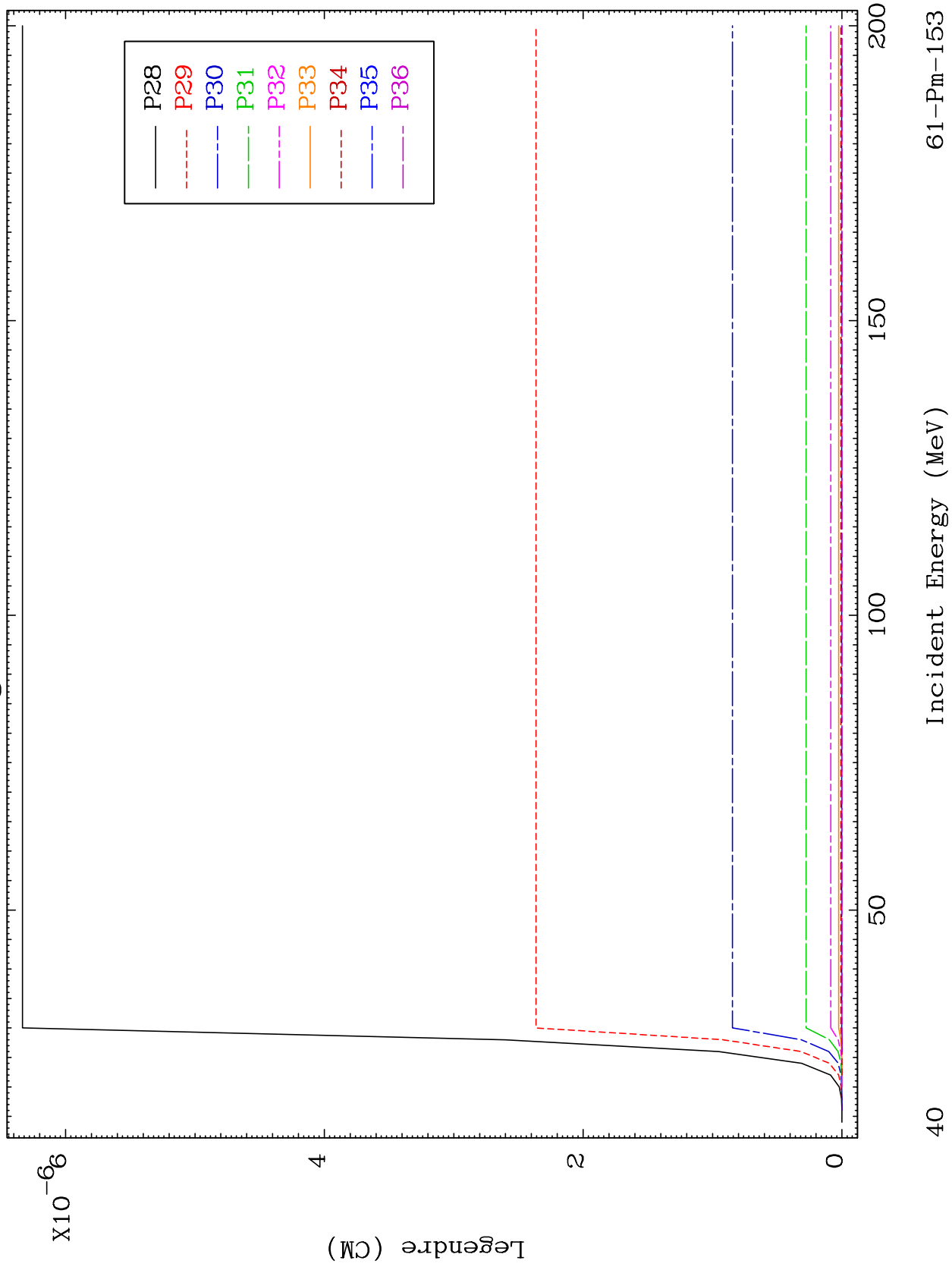




MAT 6167

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

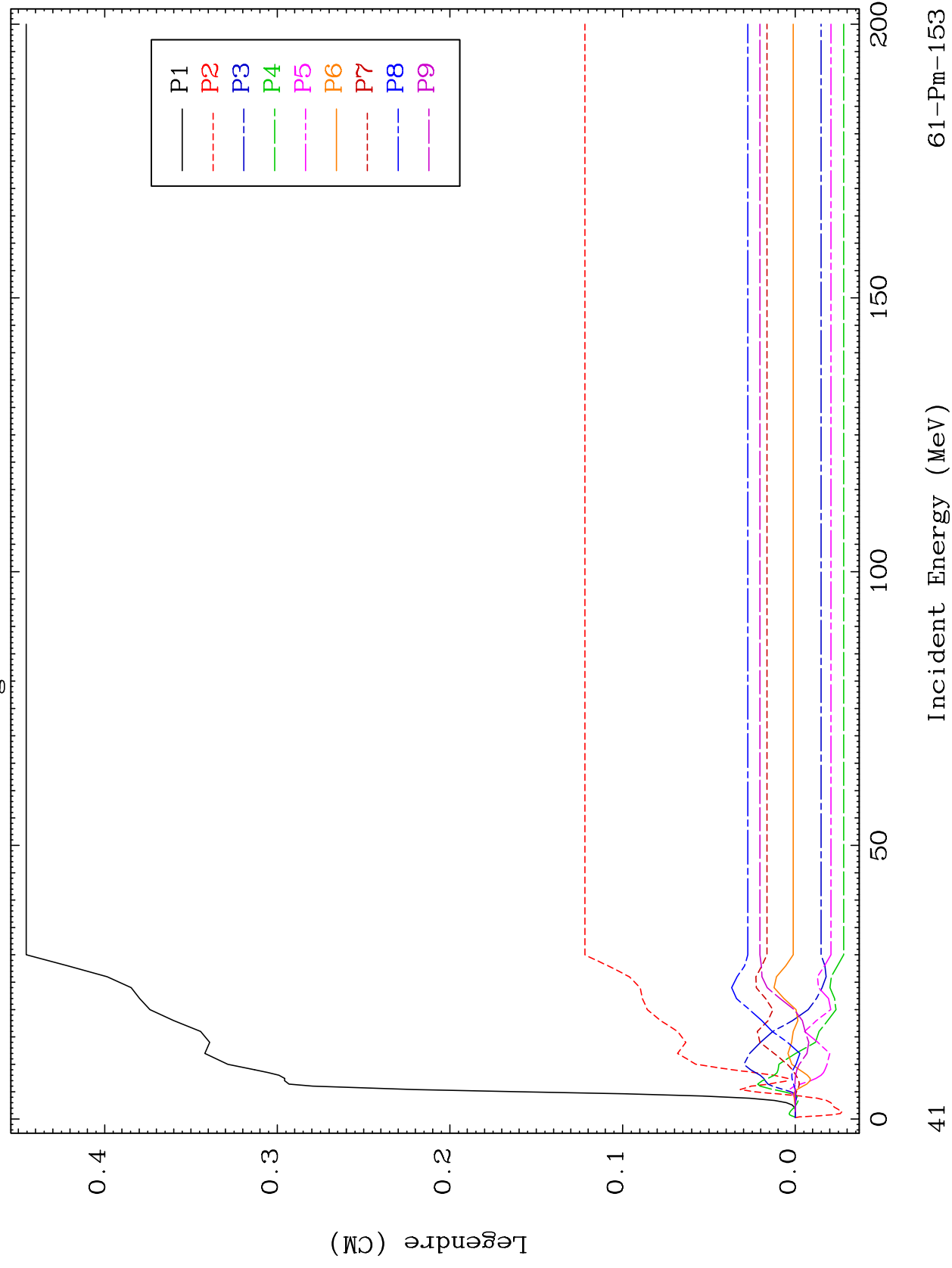
61-Pm-153



MAT 6167

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

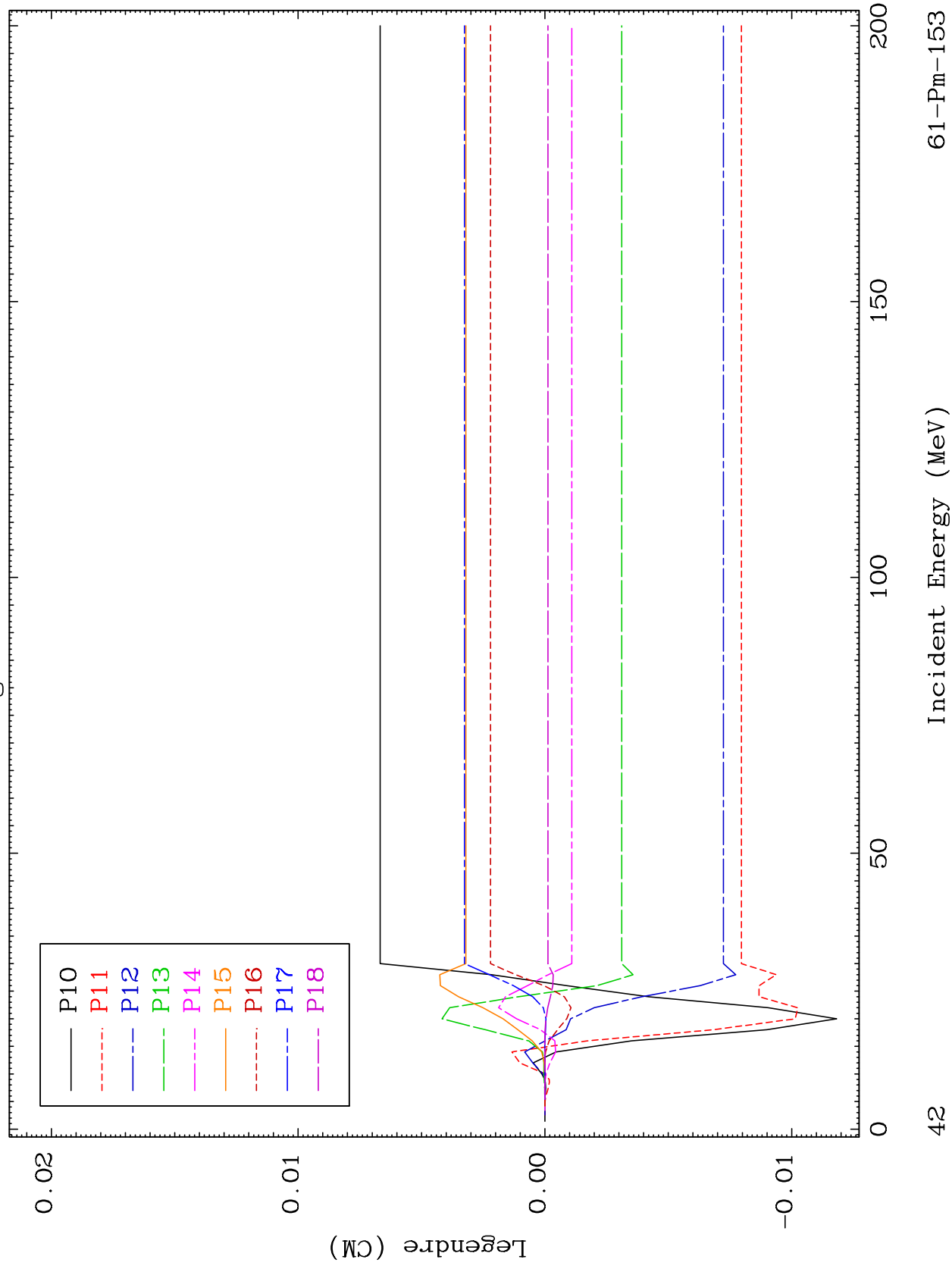
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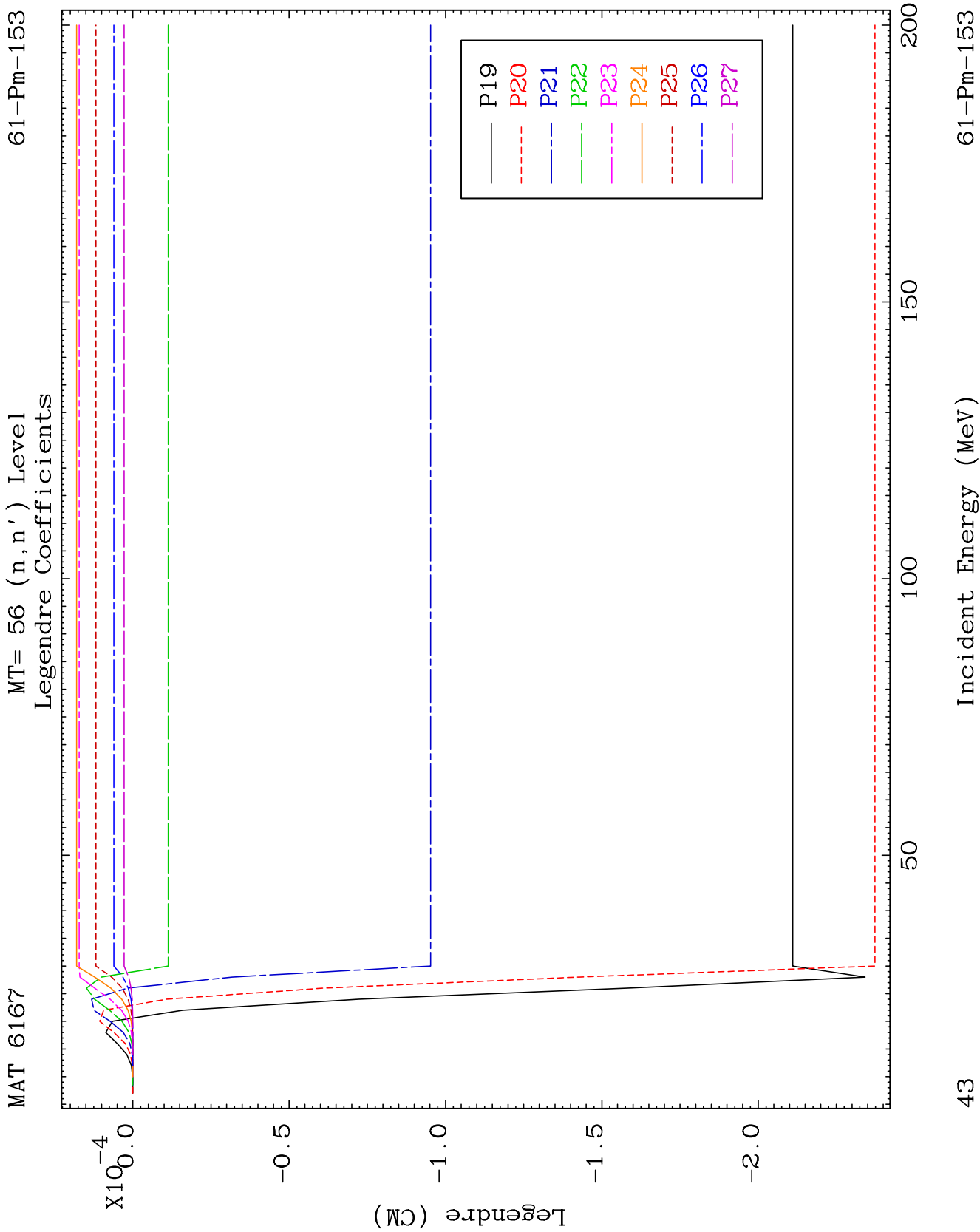


MAT 6167

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

61-Pm-153

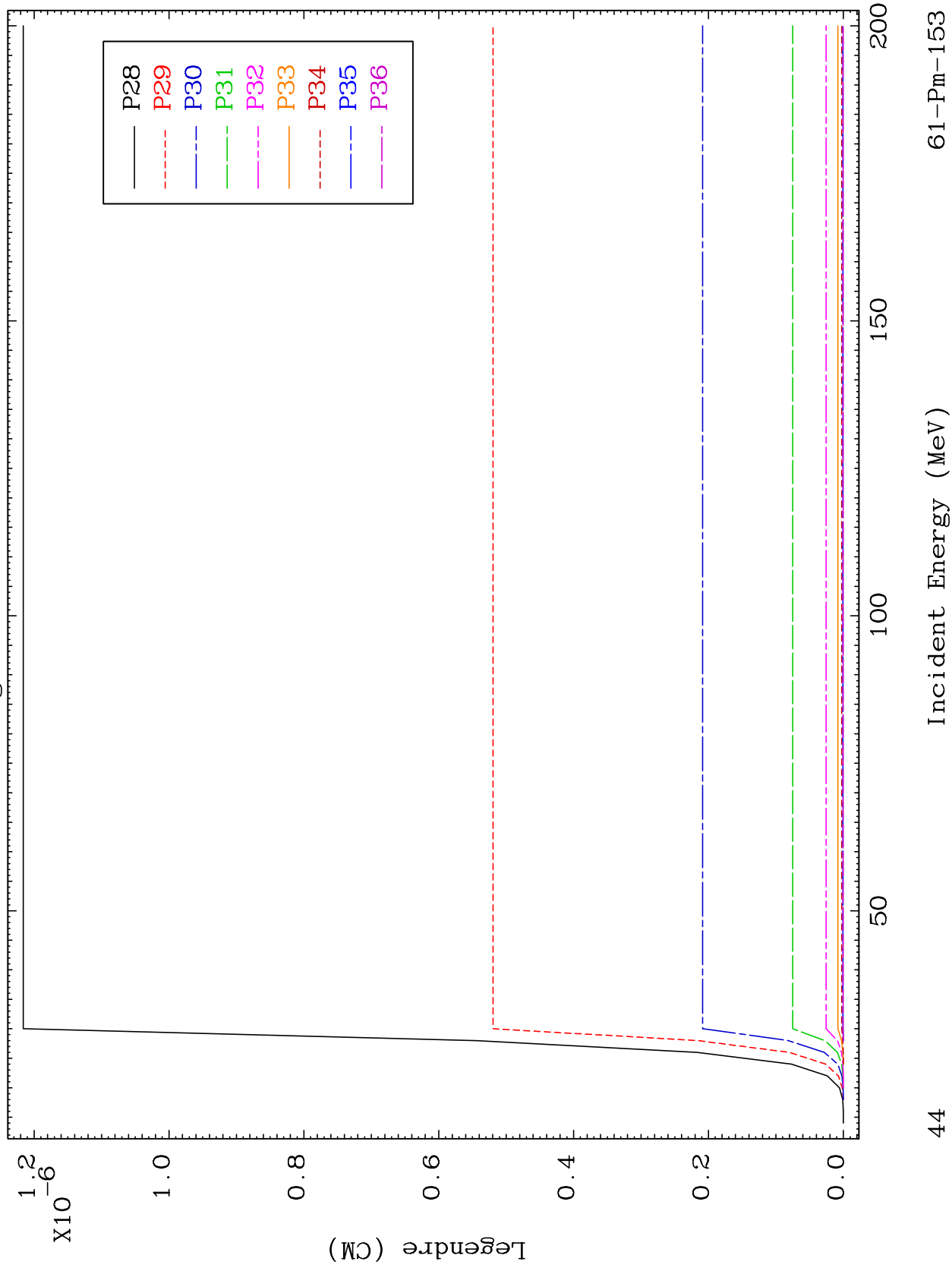


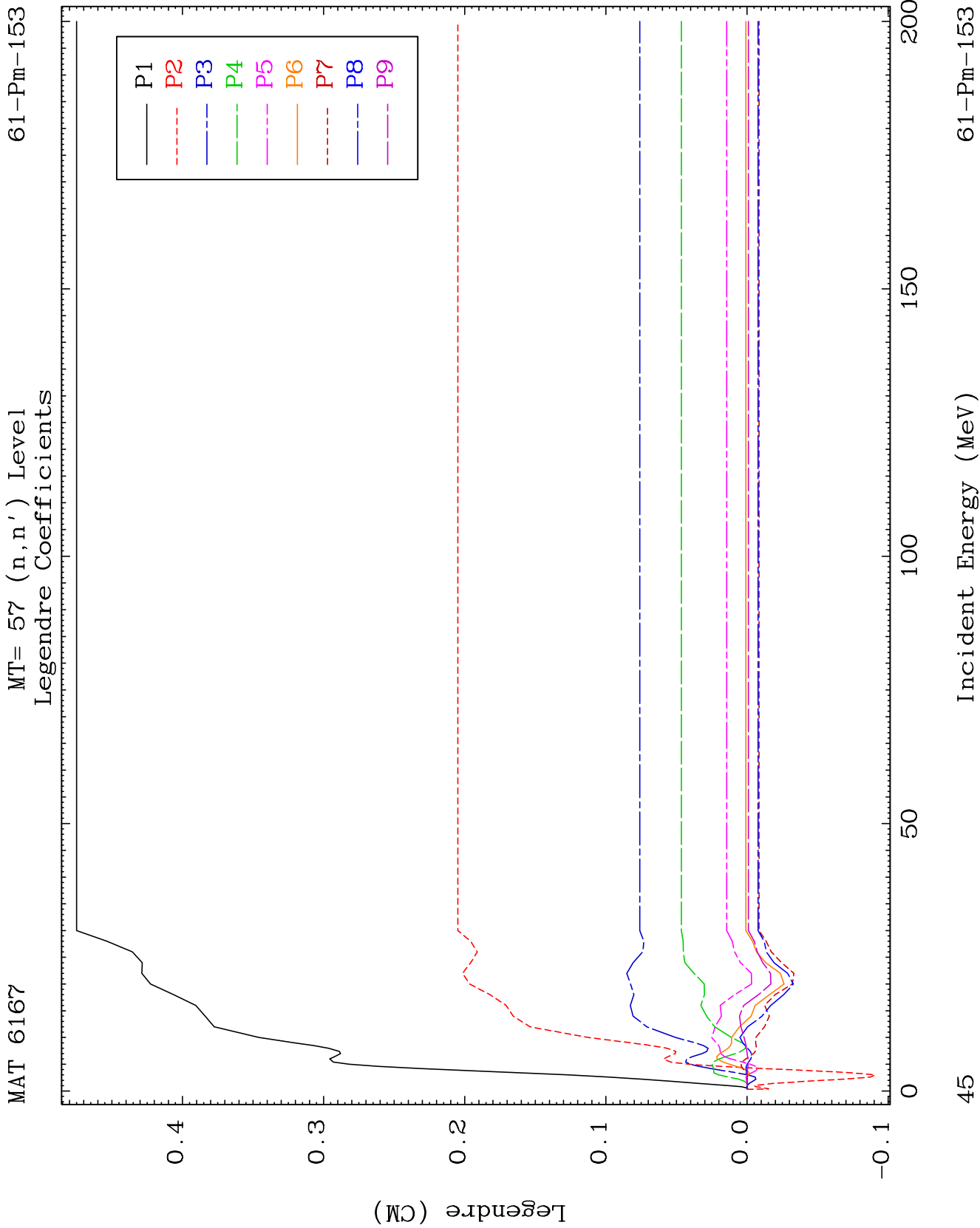


MAT 6167

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

61-Pm-153

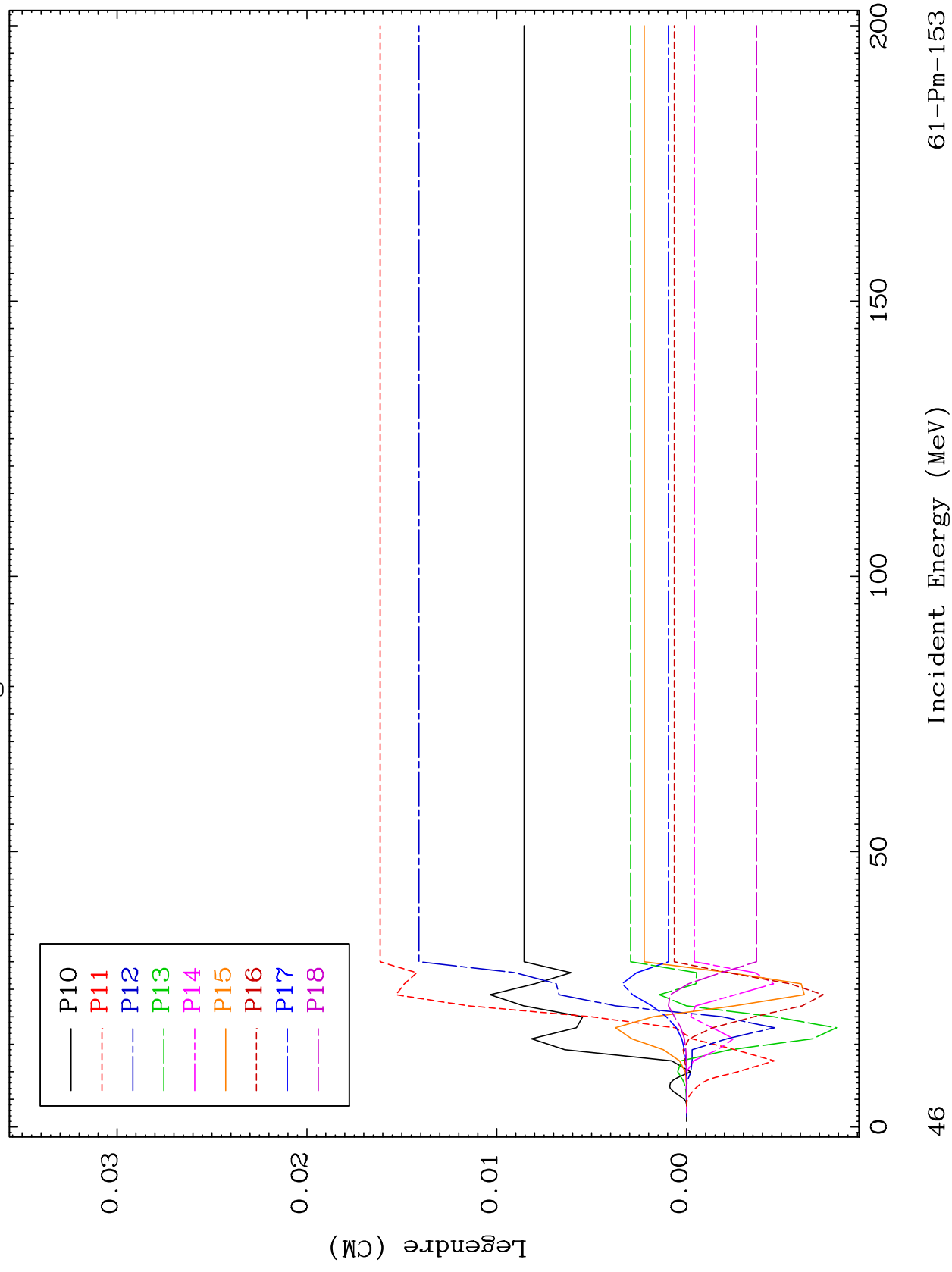


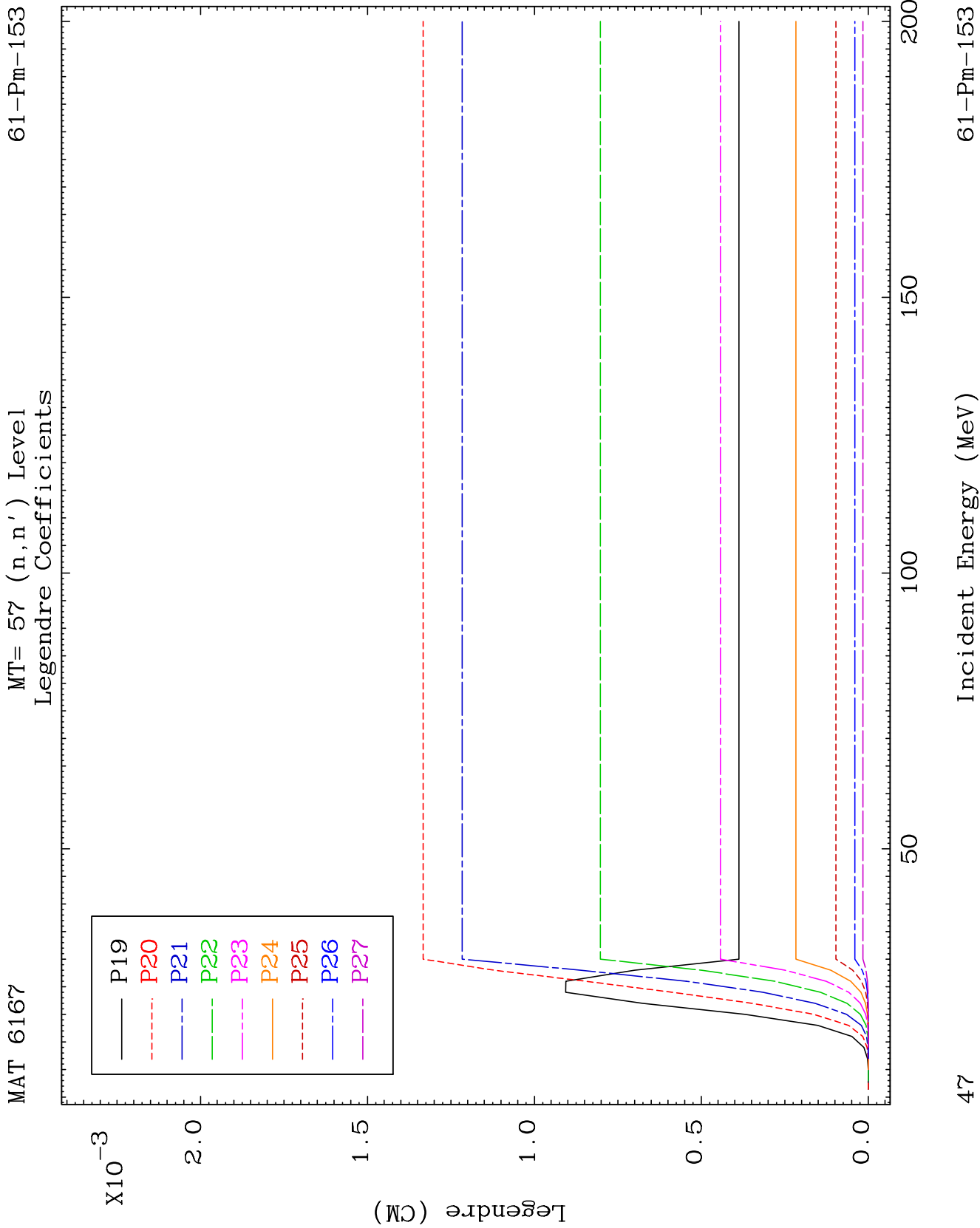


MAT 6167

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

61-Pm-153

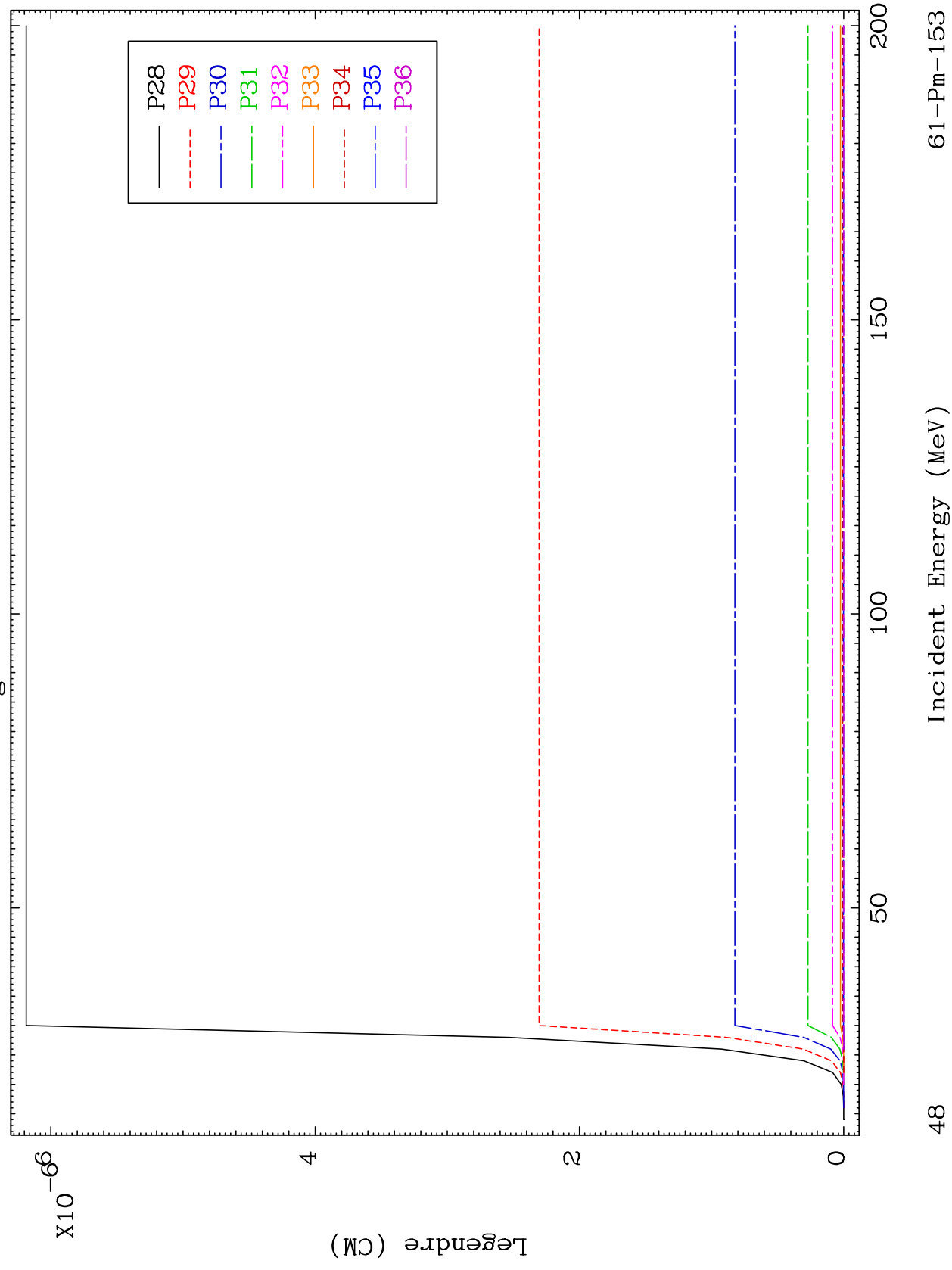




MAT 6167

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

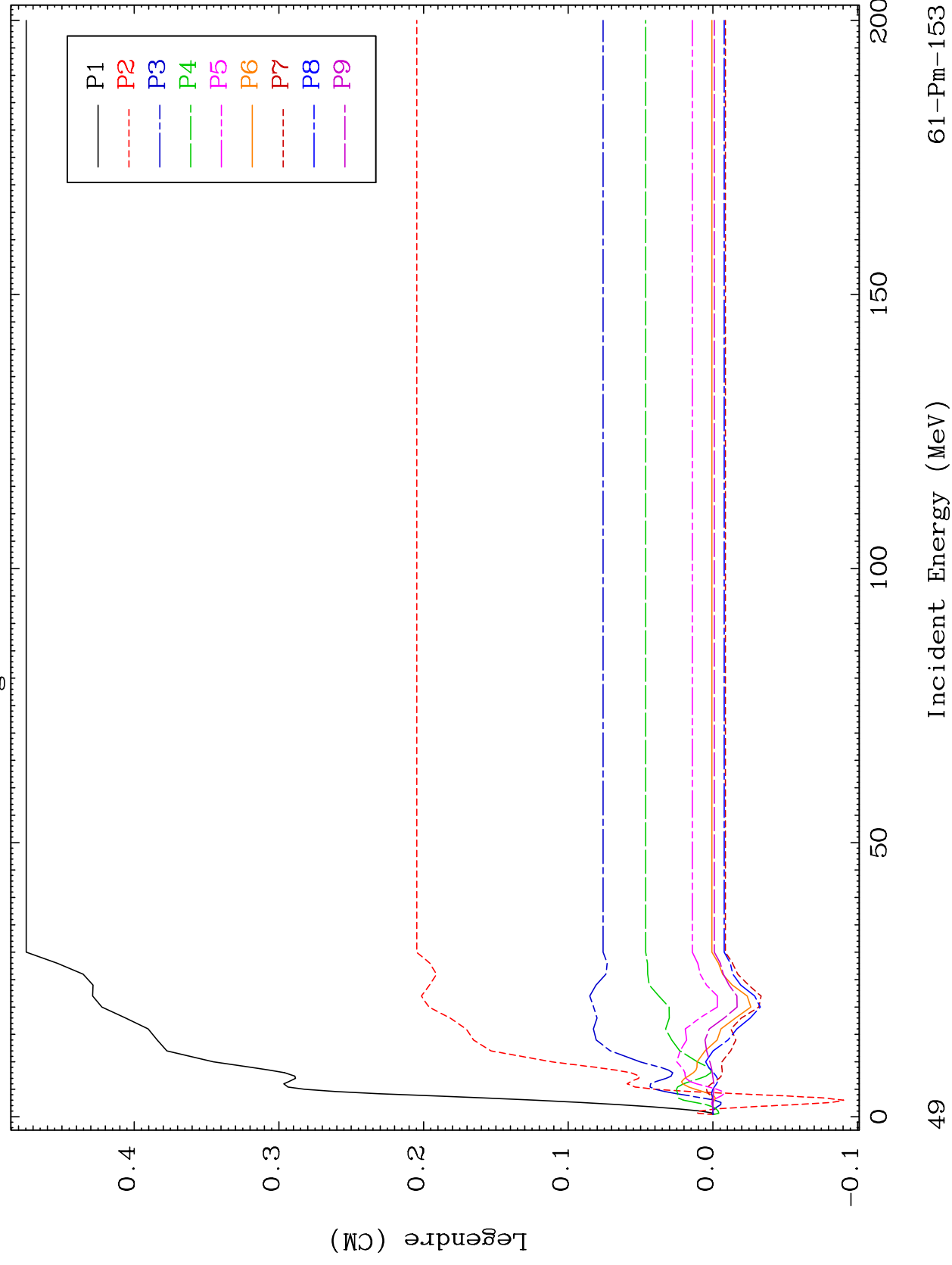
61-Pm-153



MAT 6167

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

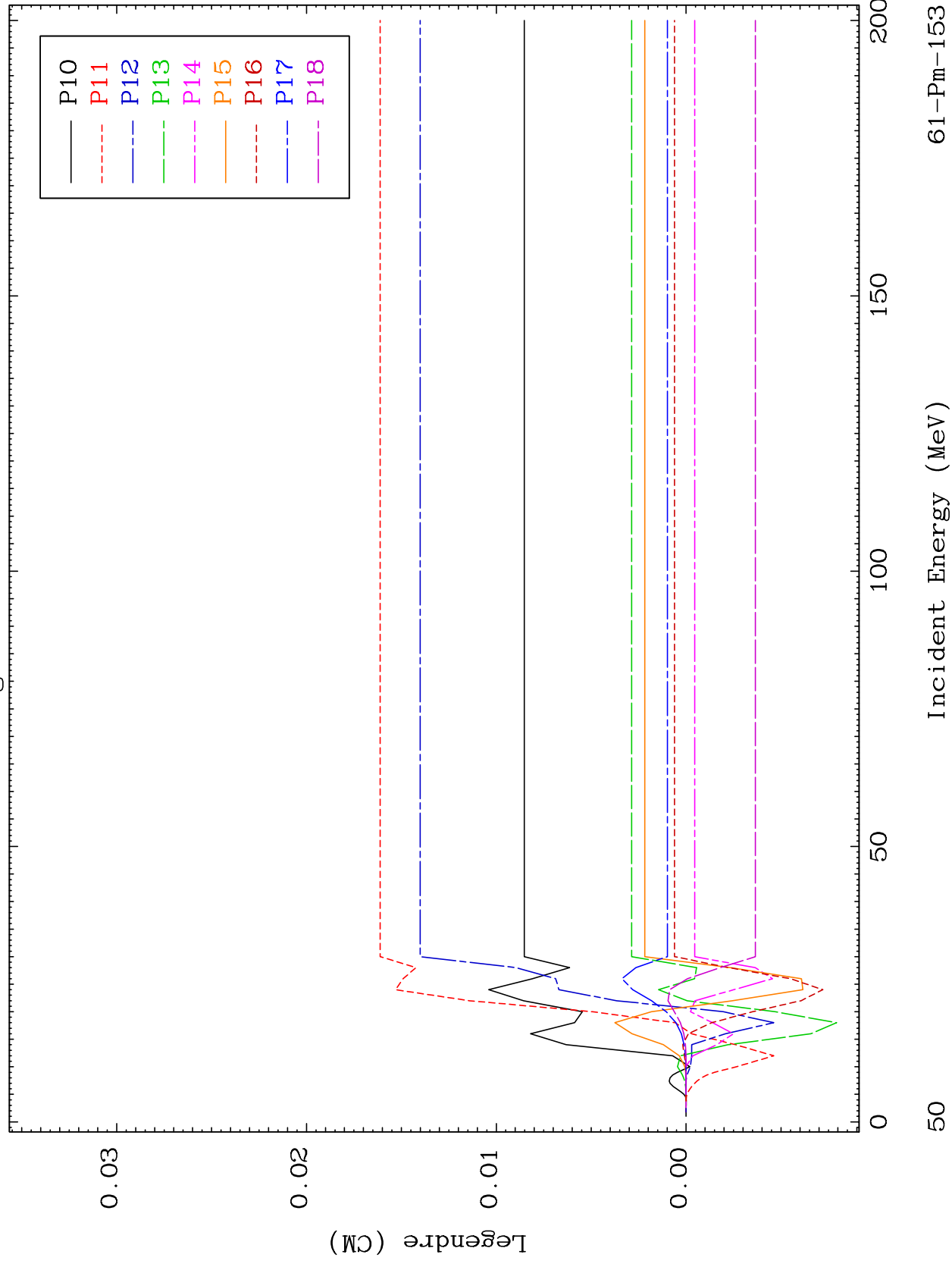
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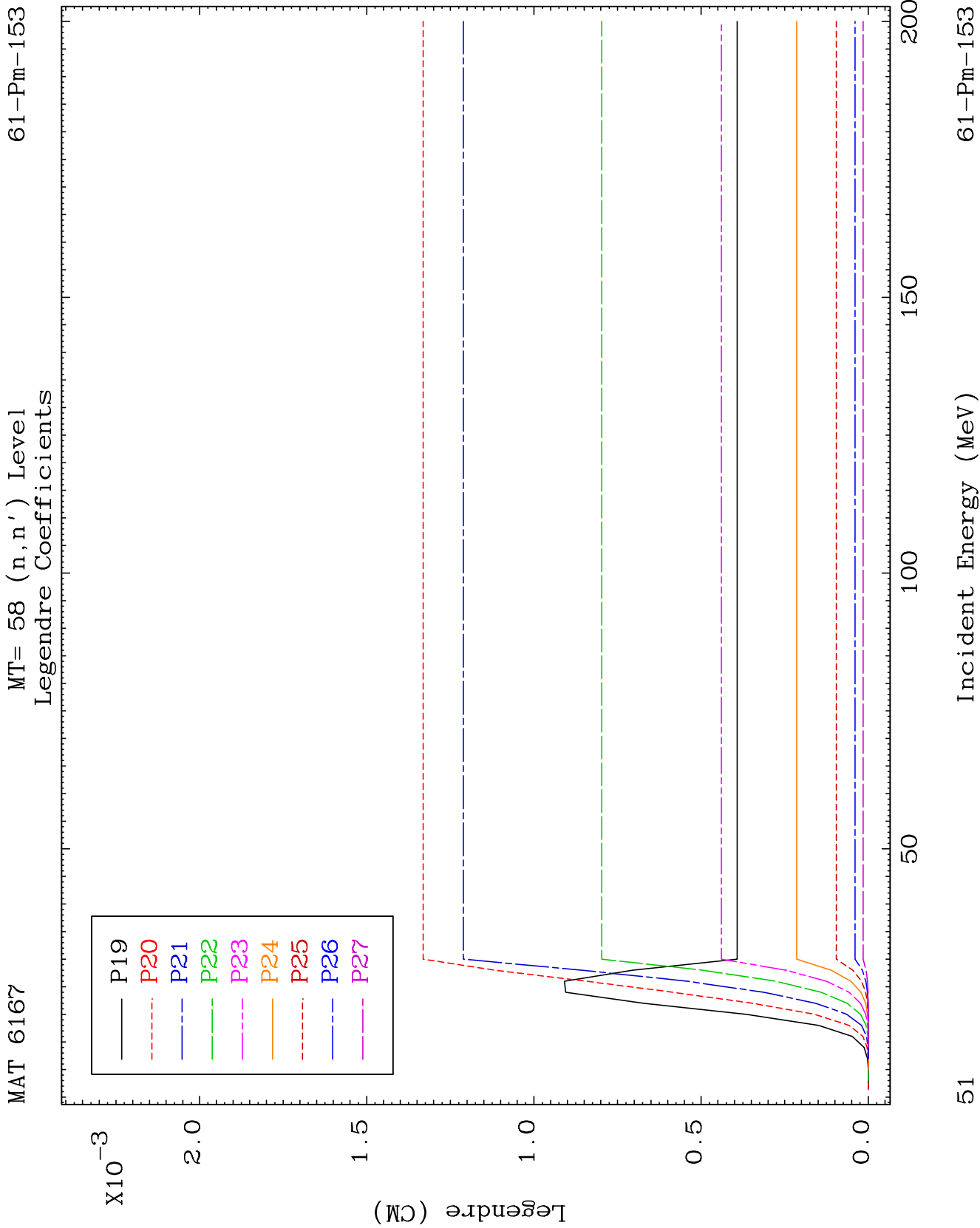


MAT 6167

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

61-Pm-153

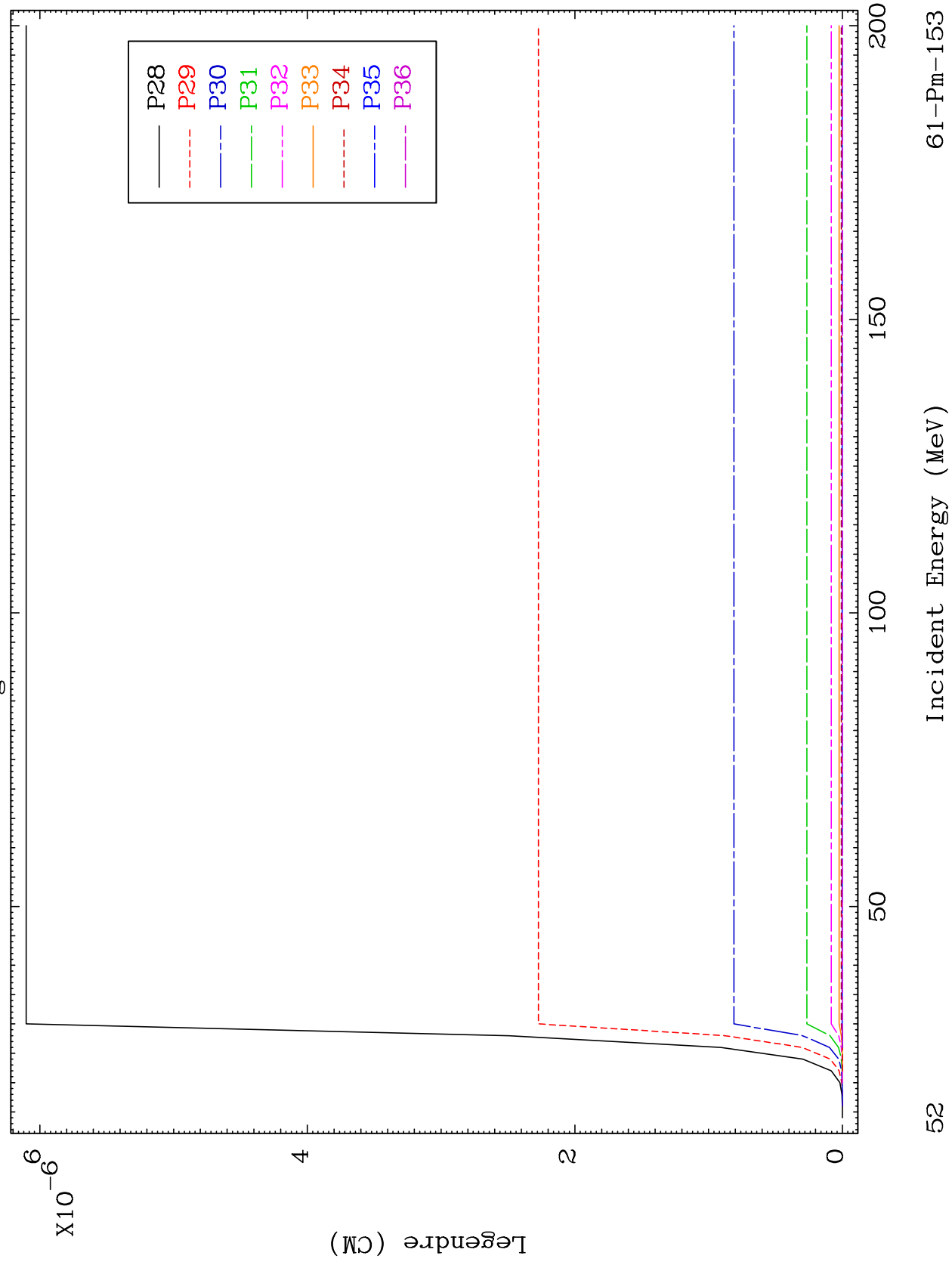


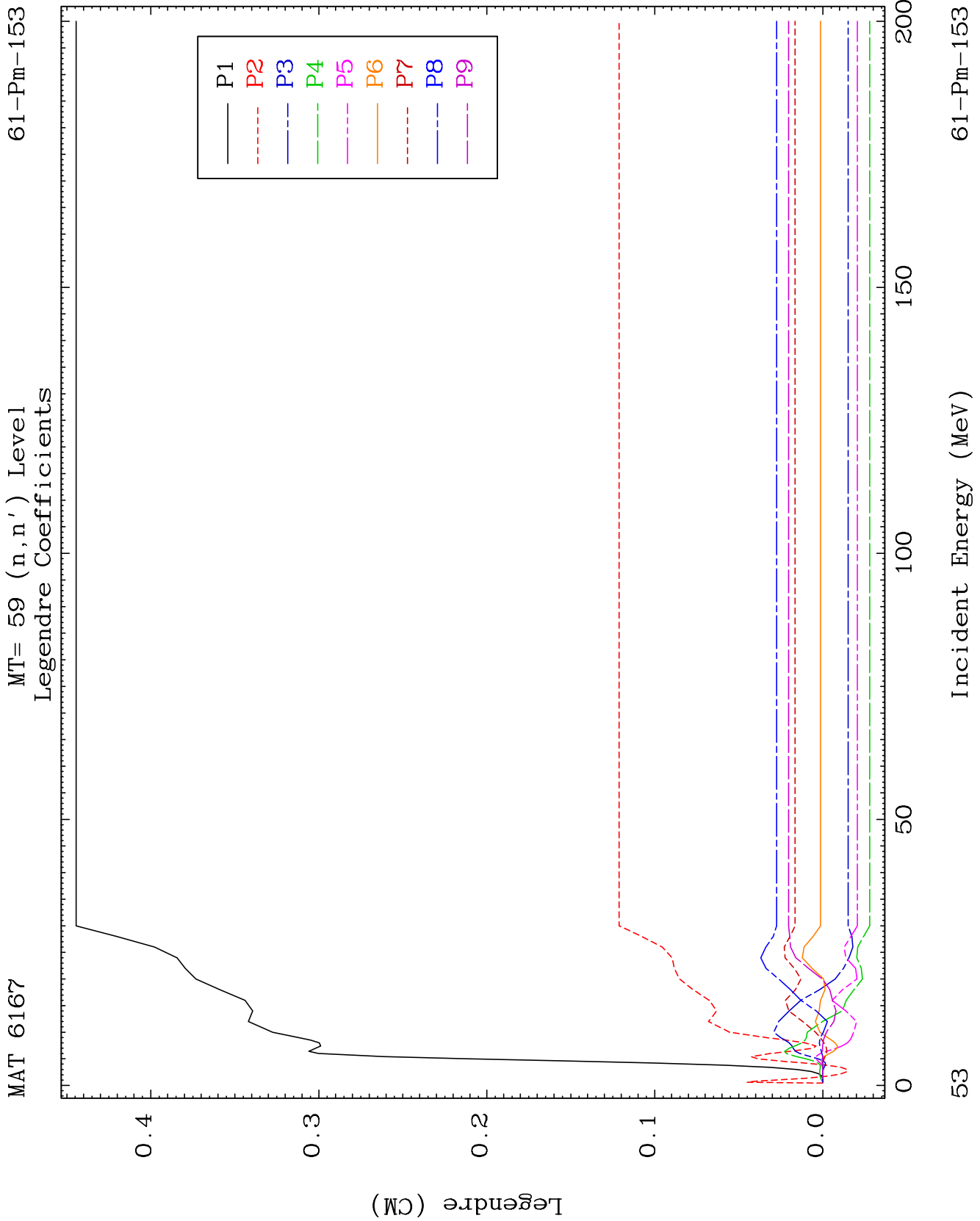


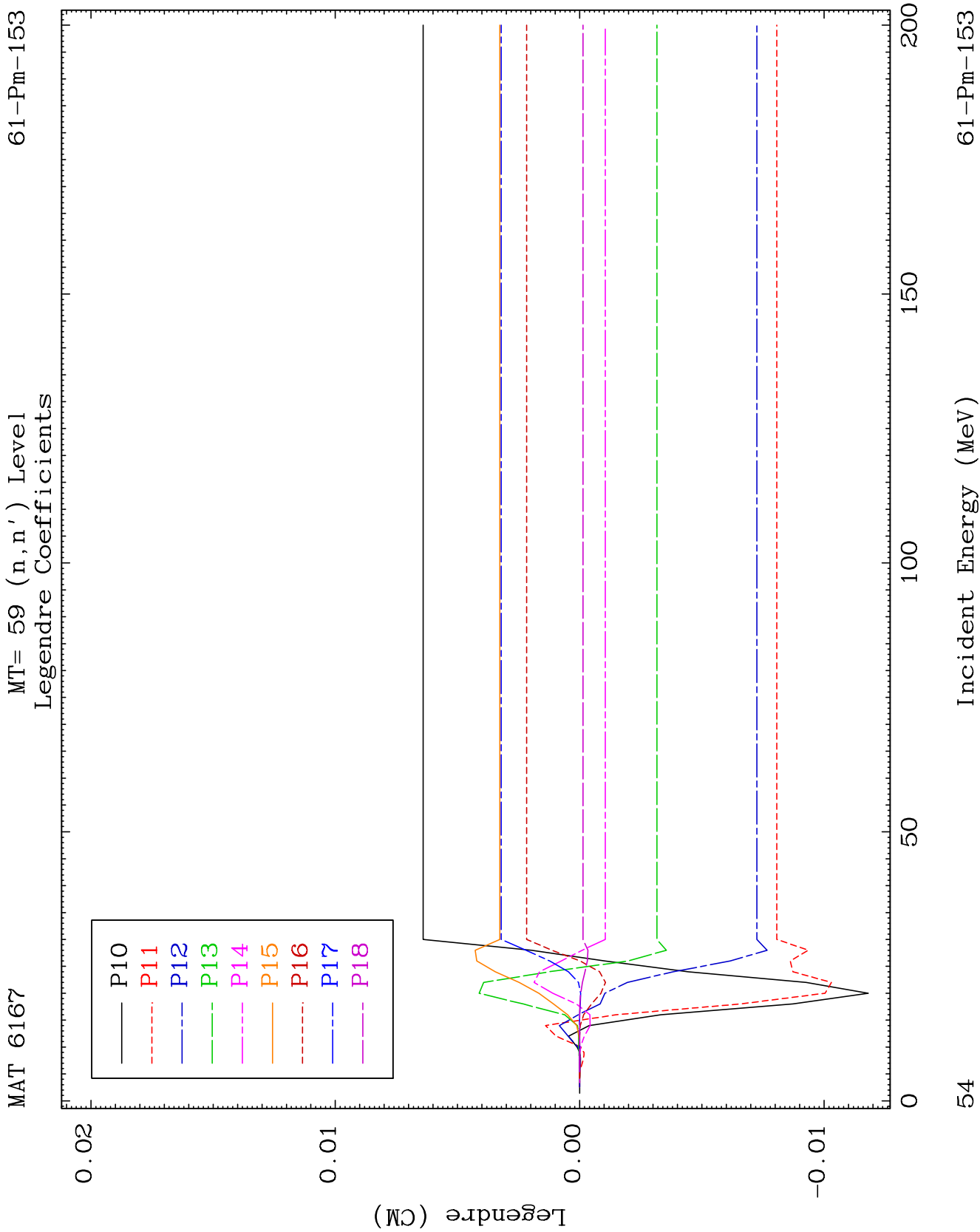
MAT 6167

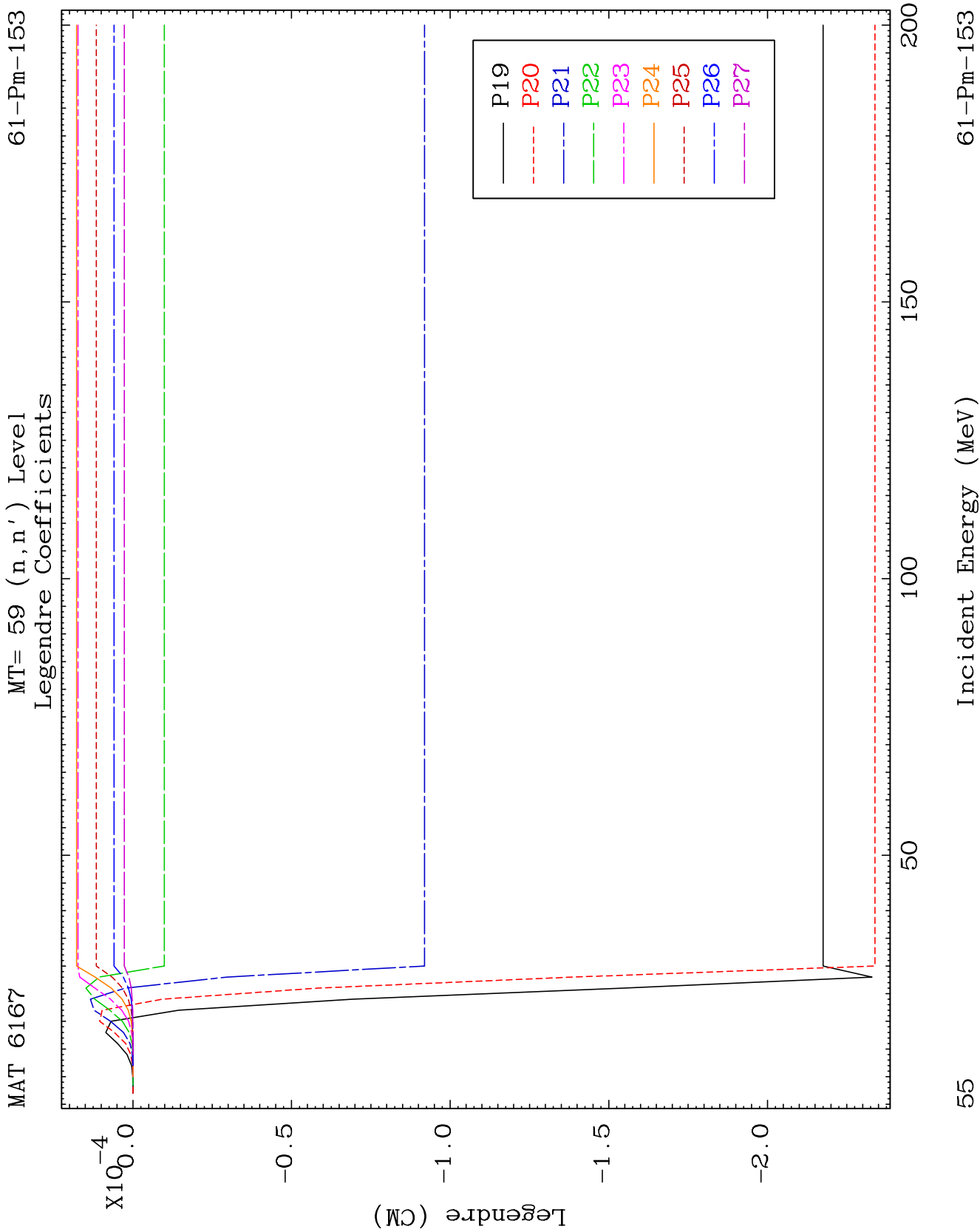
MT= 58 (n, n') Level
Legendre Coefficients

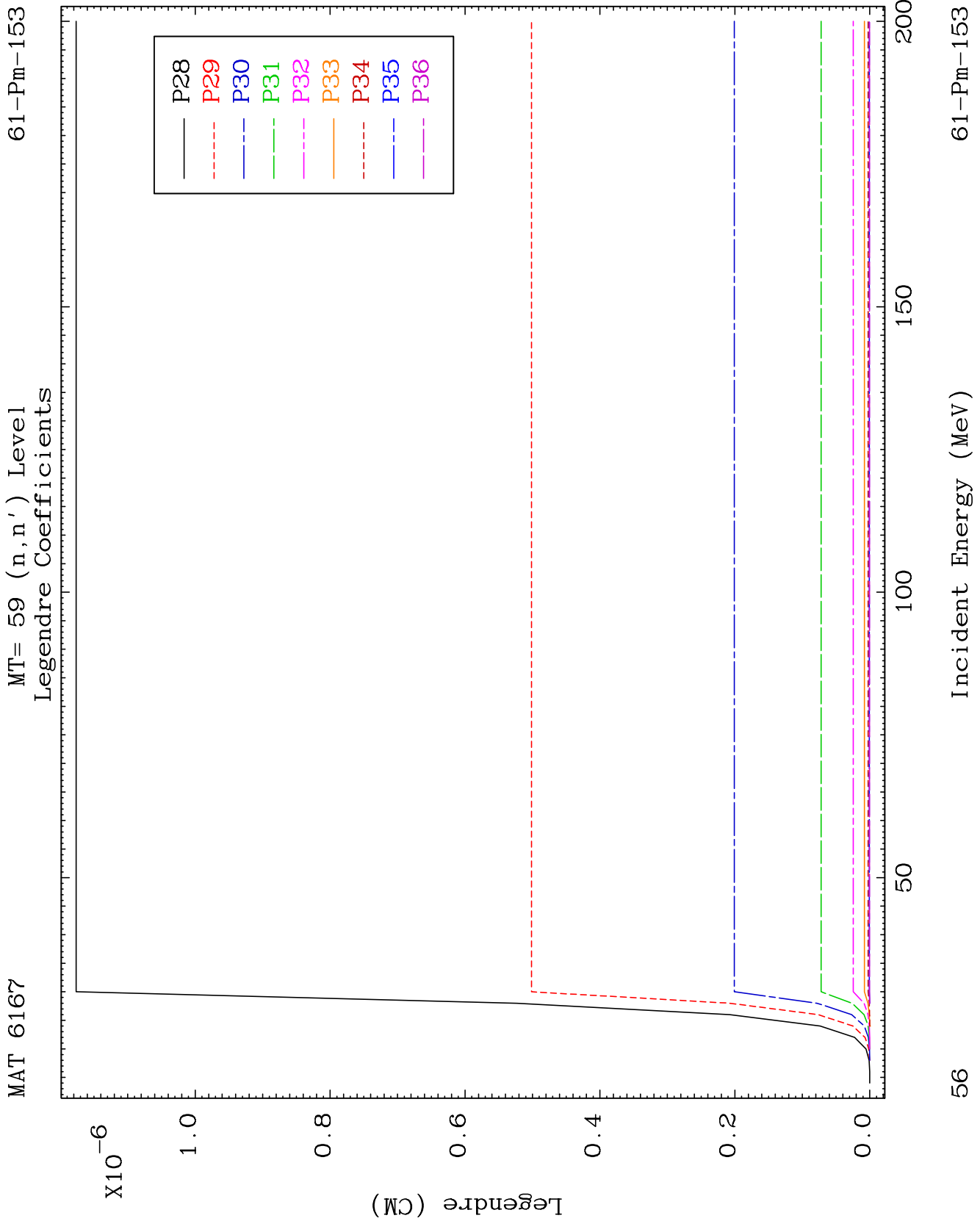
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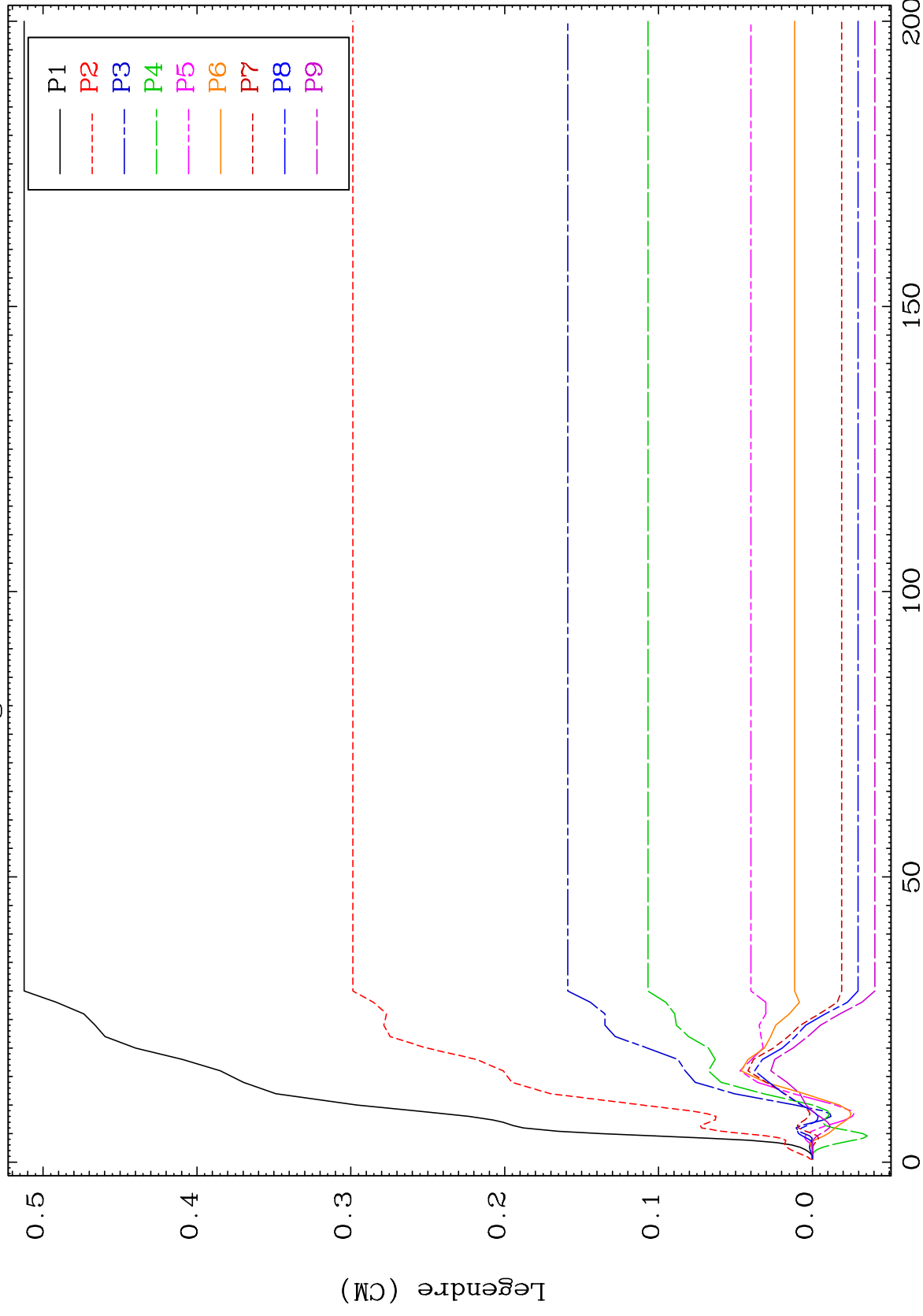




MAT 6167

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

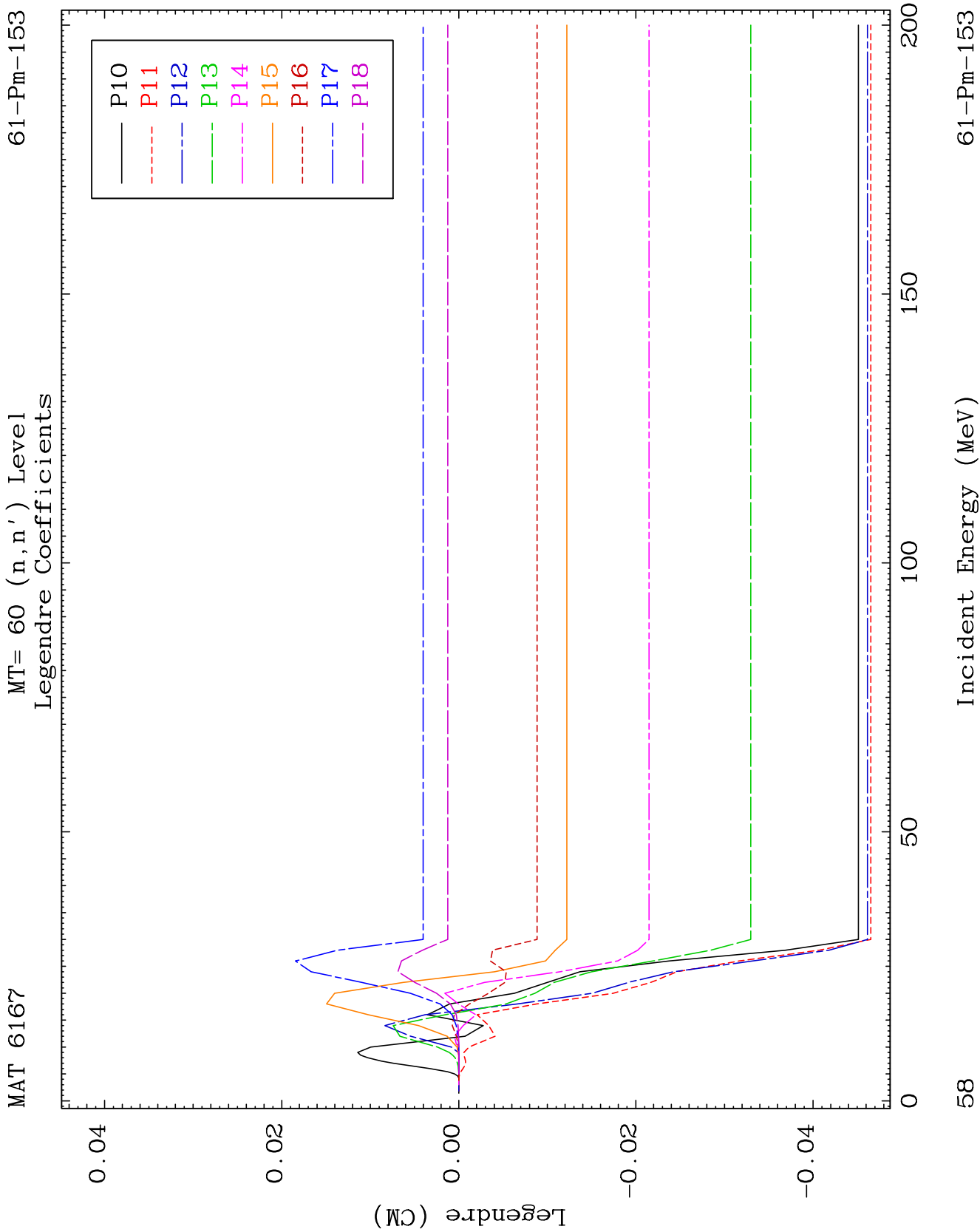
61-Pm-153



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Incident Energy (MeV)

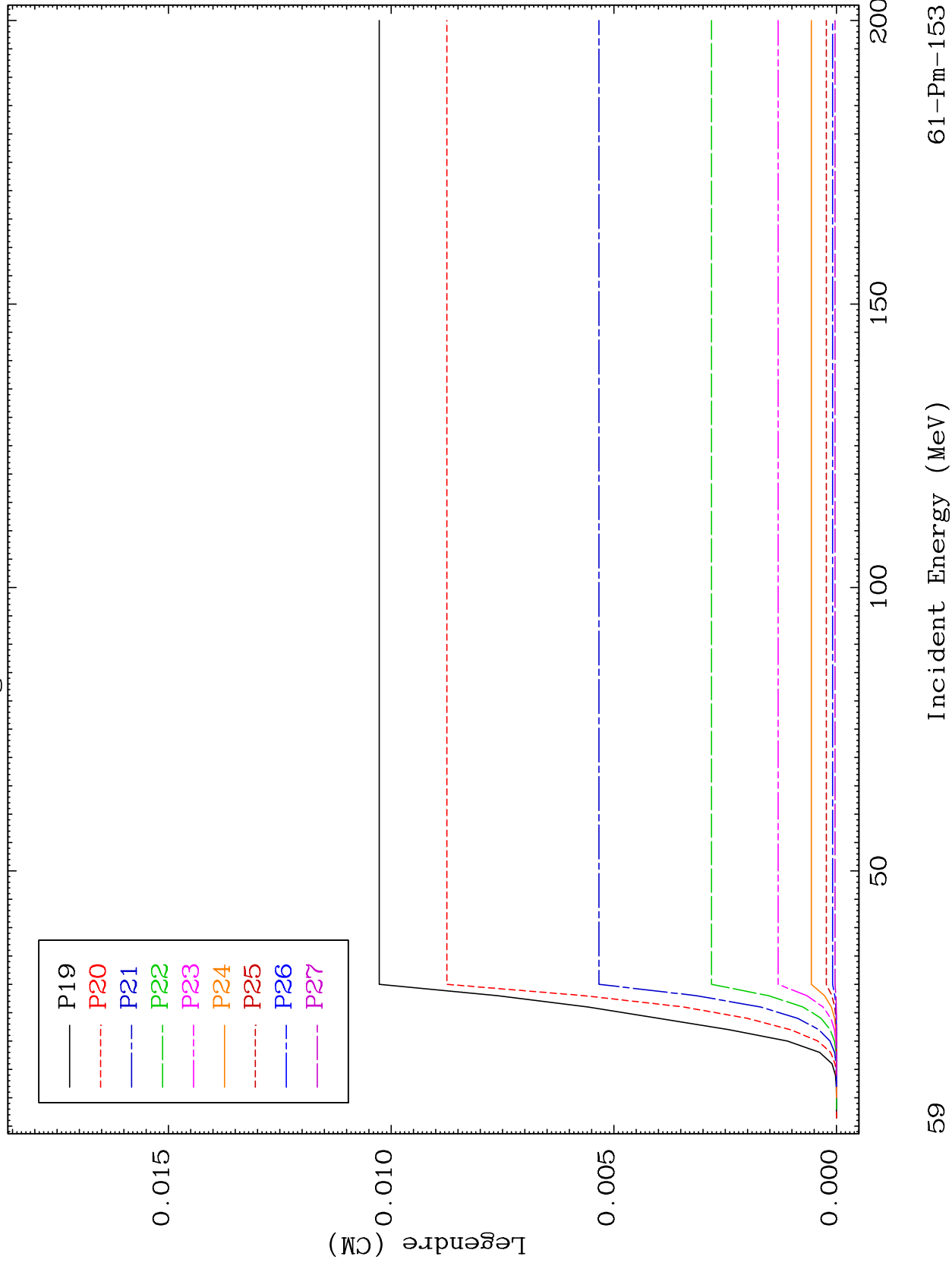
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MAT 6167

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

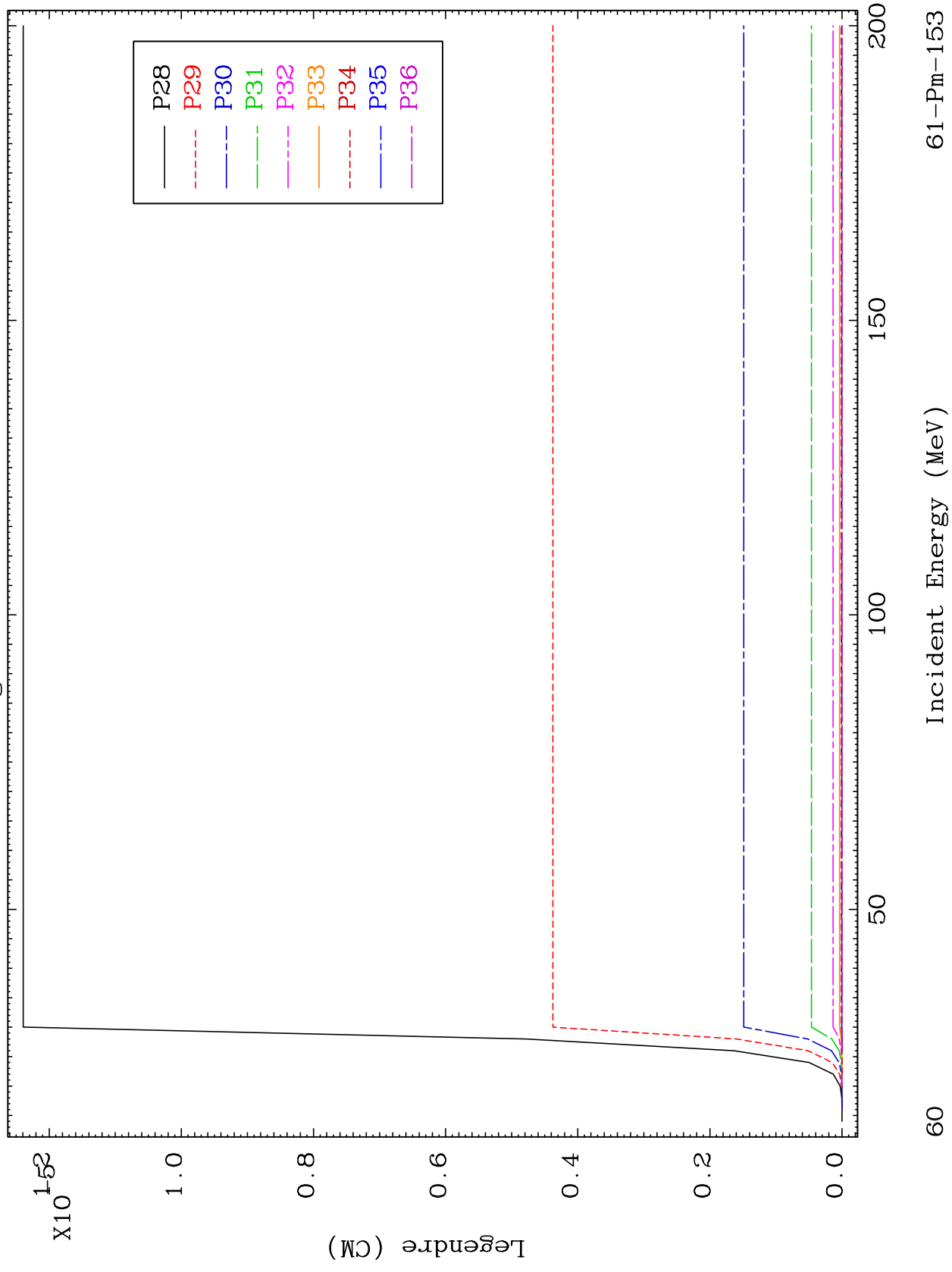
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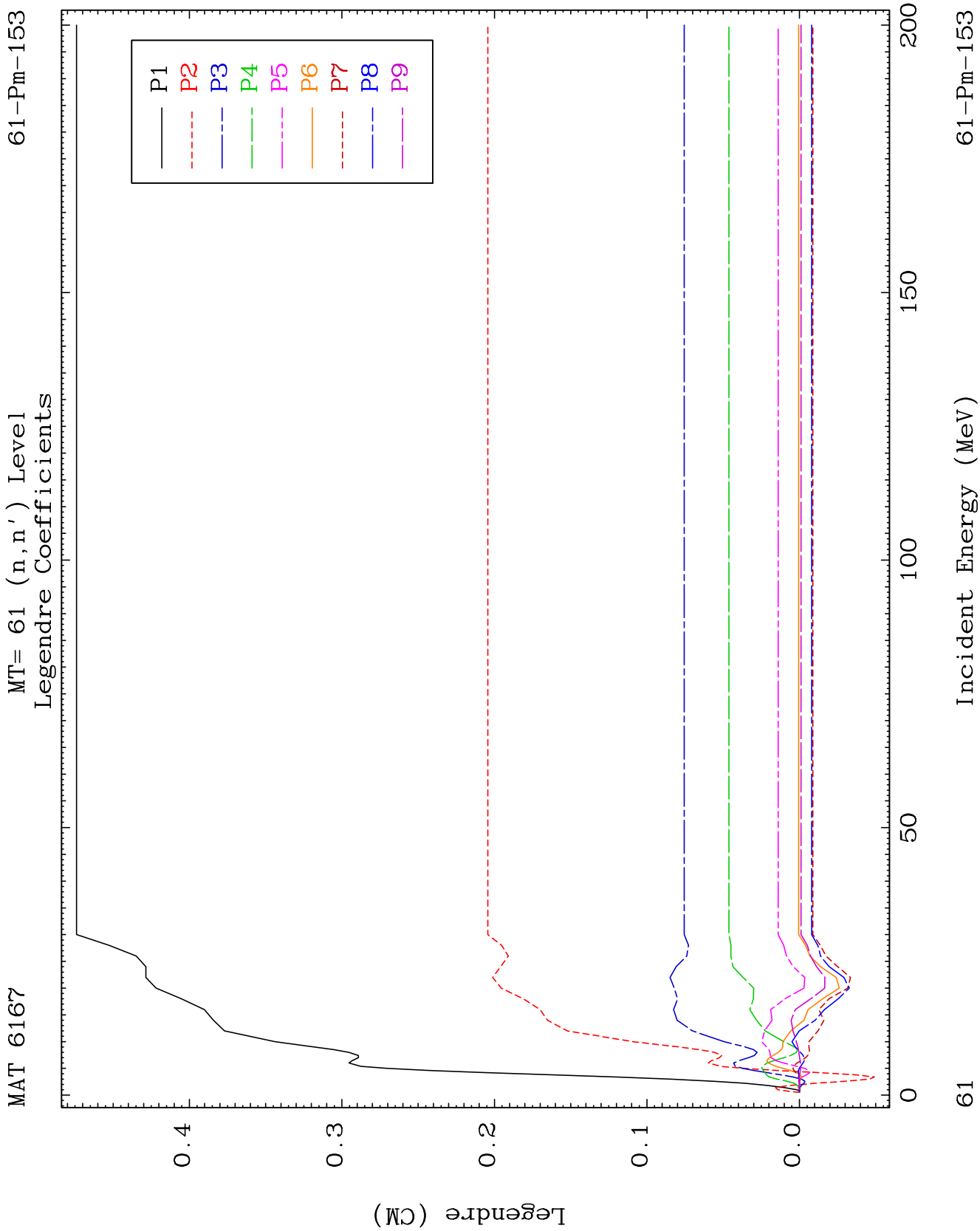


MAT 6167

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

61-Pm-153

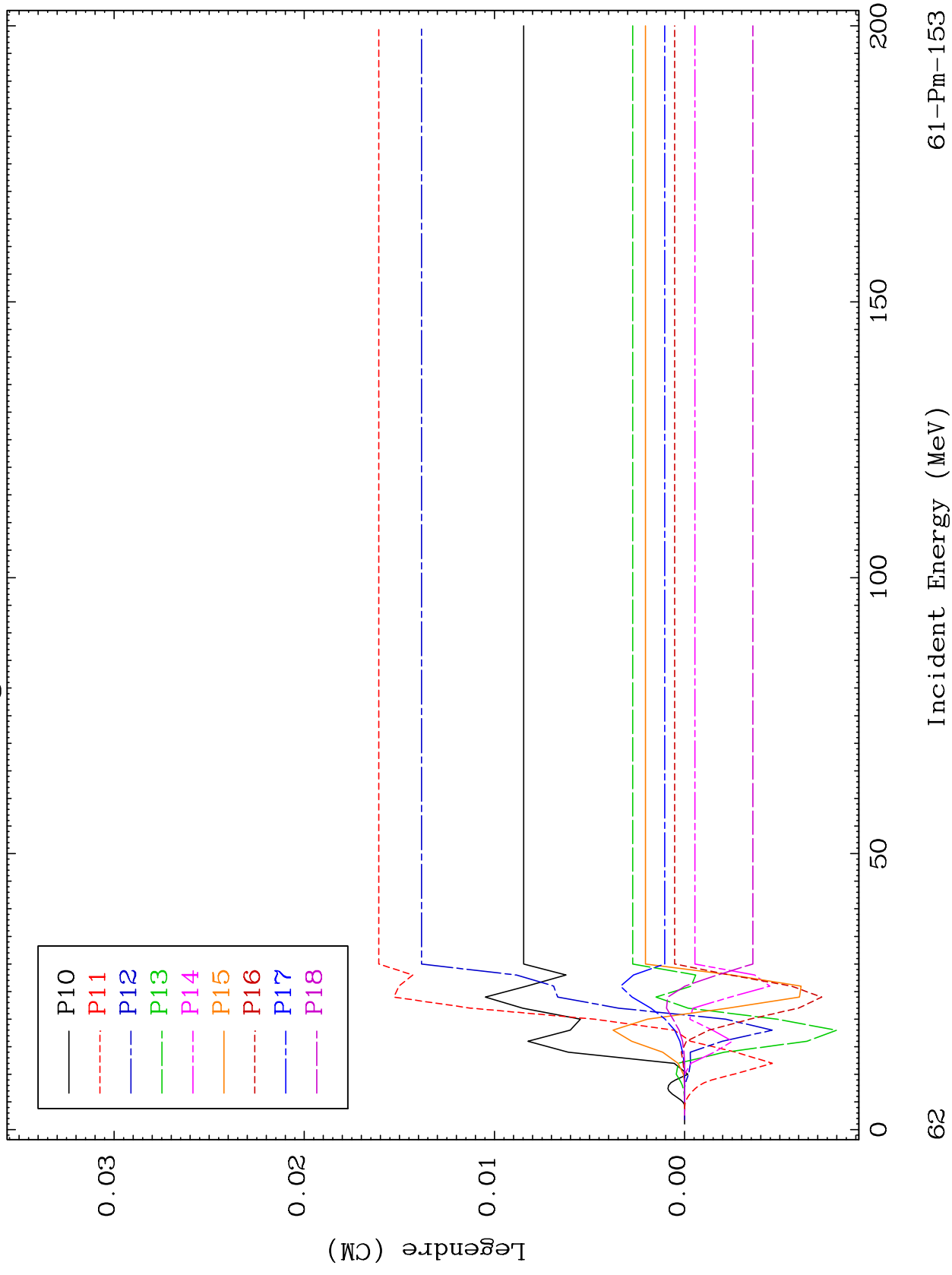




MAT 6167

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

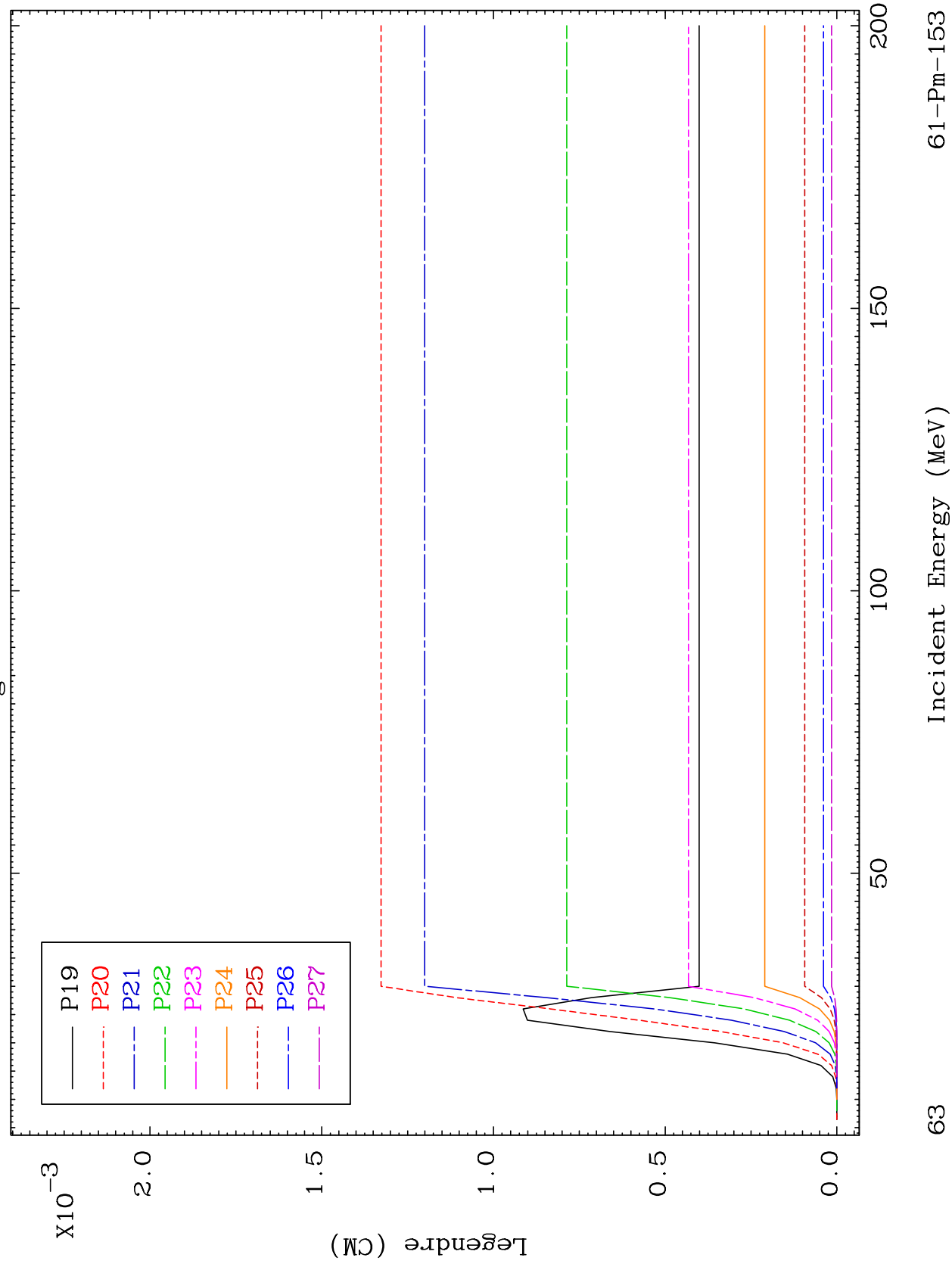
61-Pm-153



MAT 6167

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

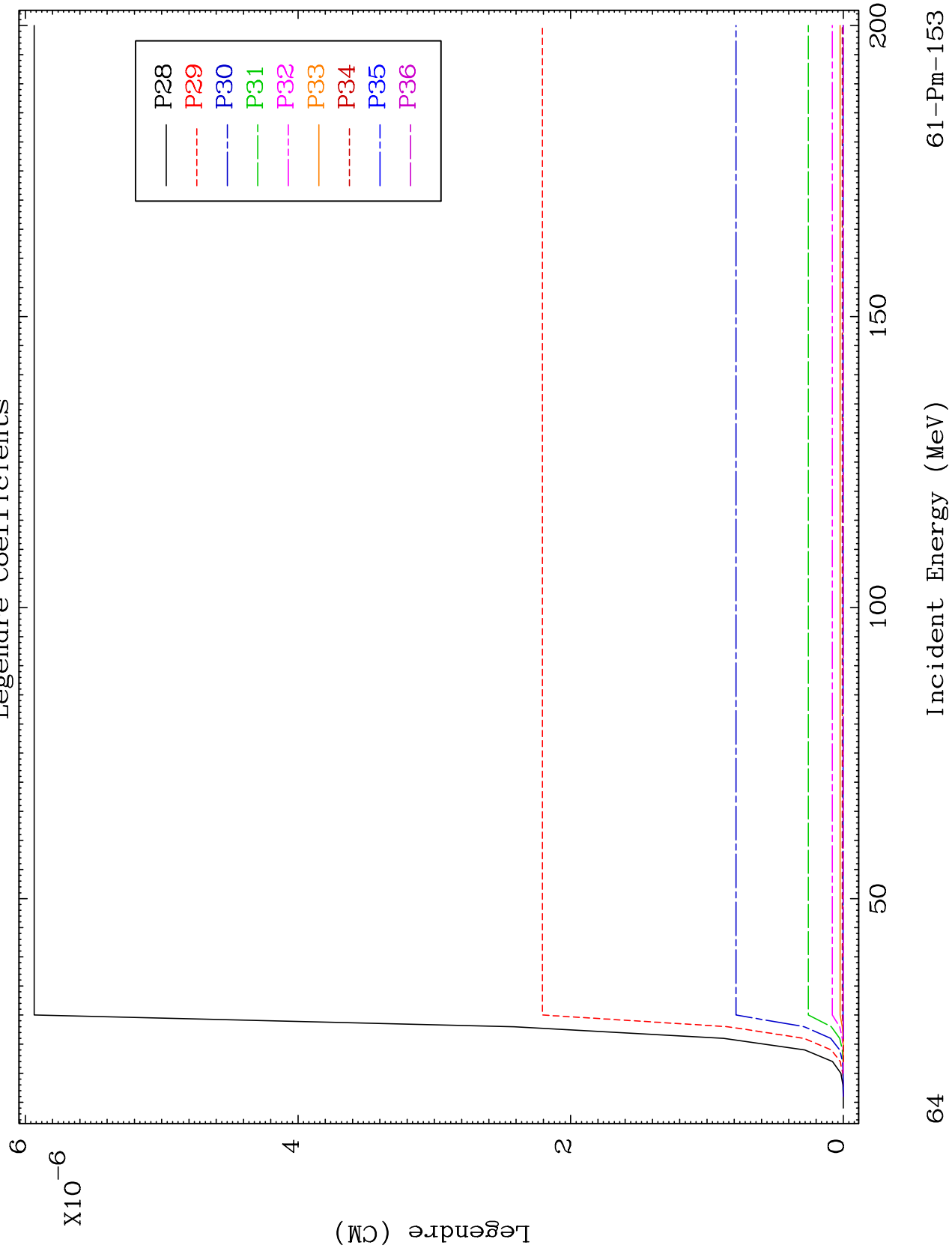
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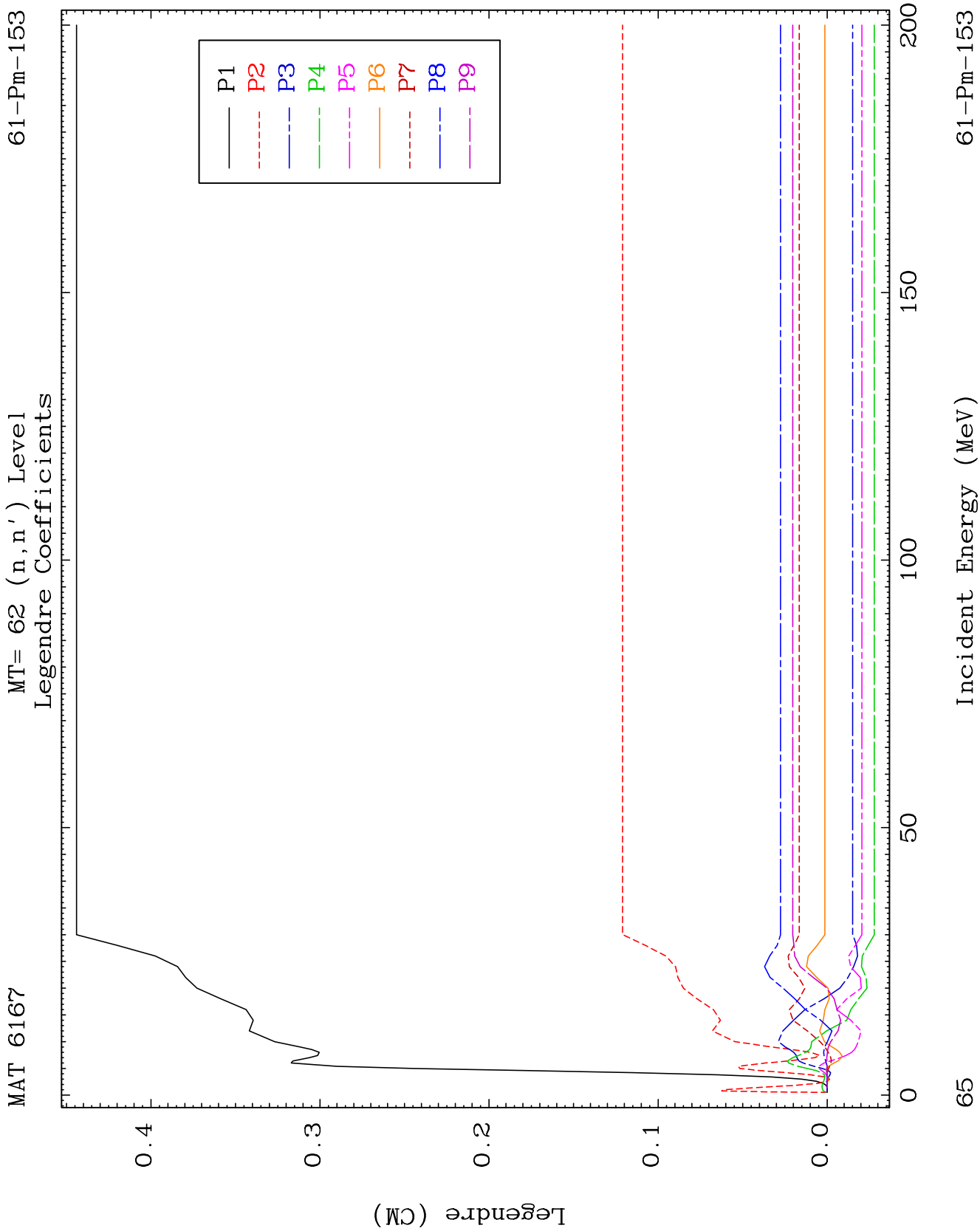


MAT 6167

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

61-Pm-153

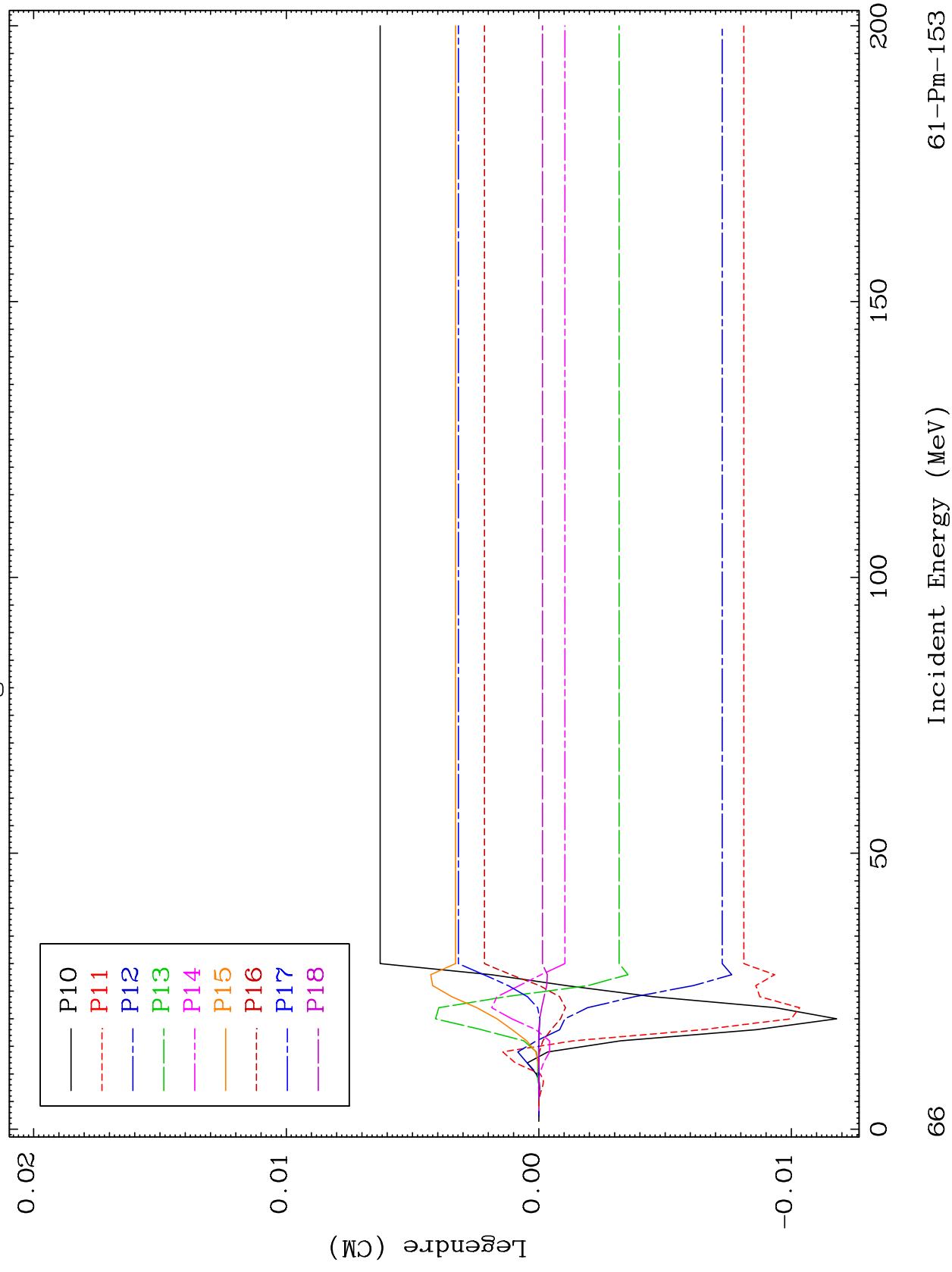


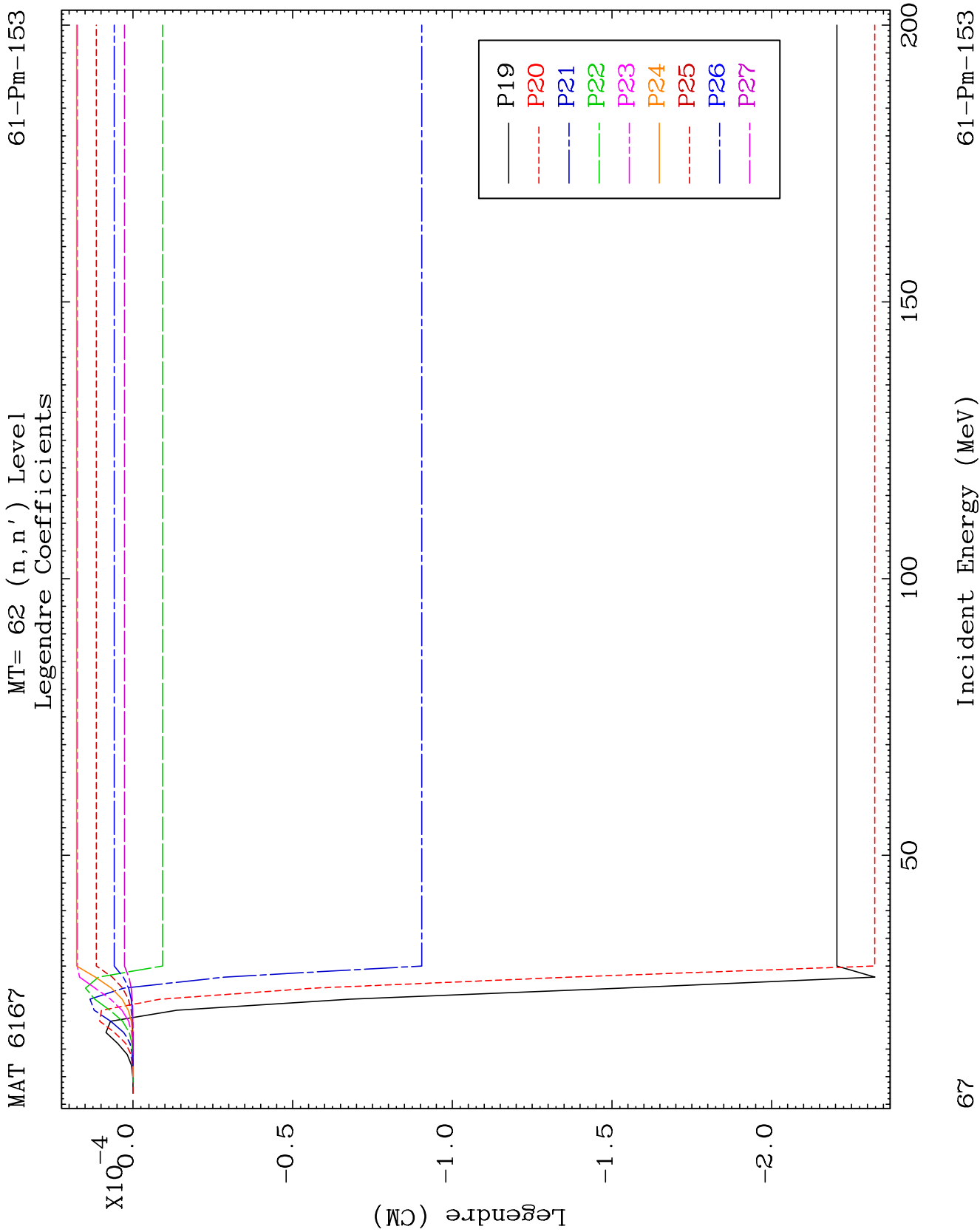


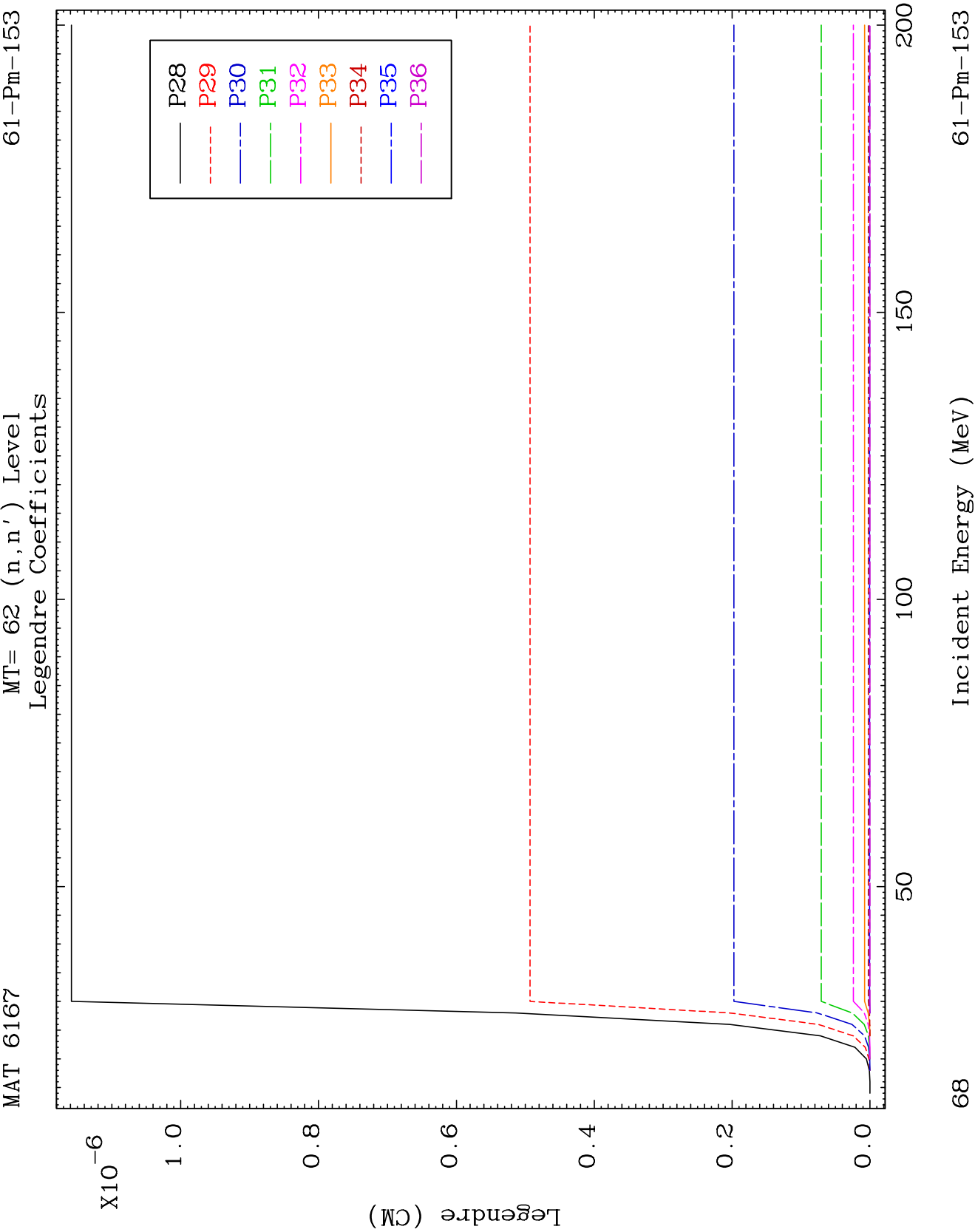
MAT 6167

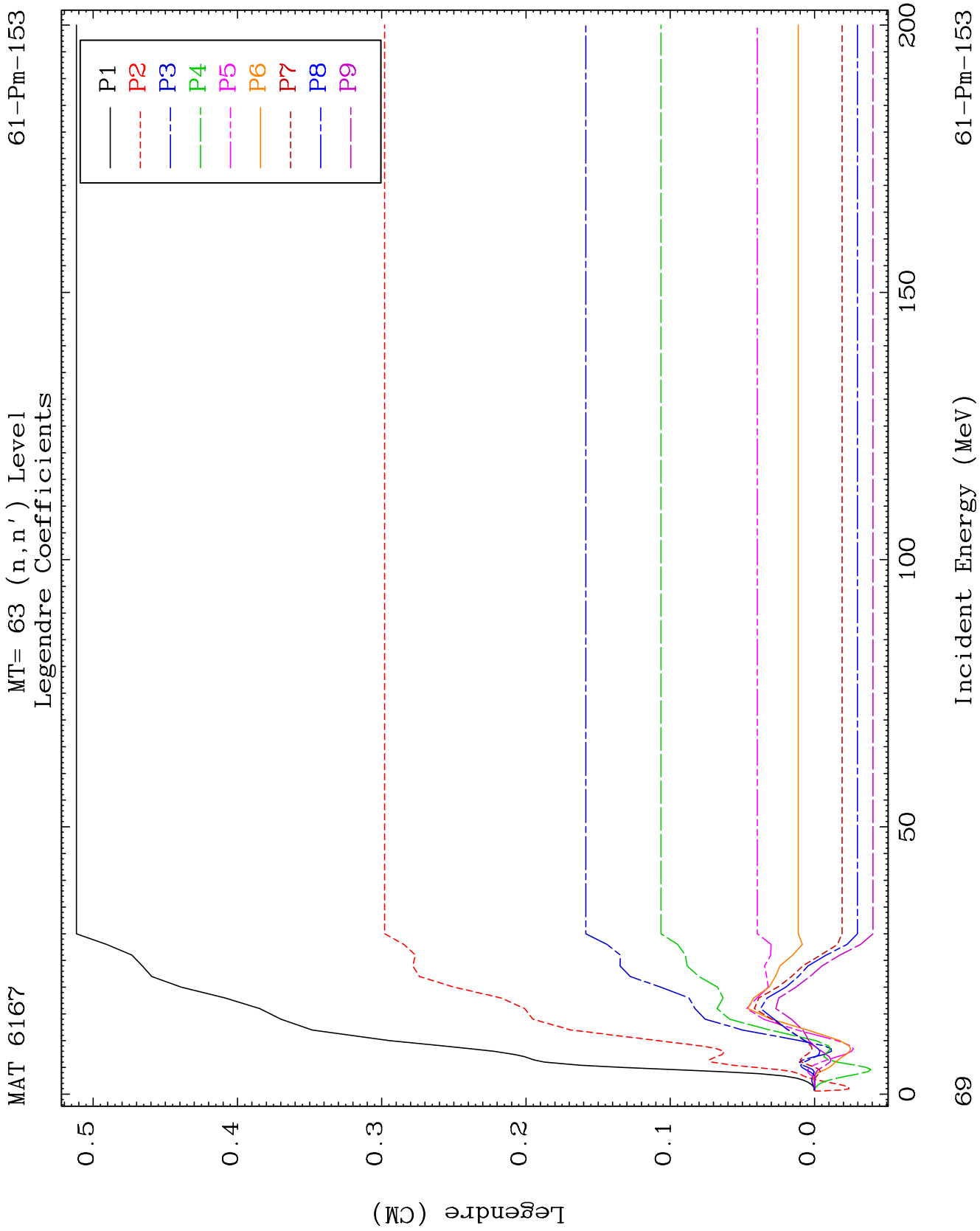
MT= 62 (n, n') Level
Legendre Coefficients

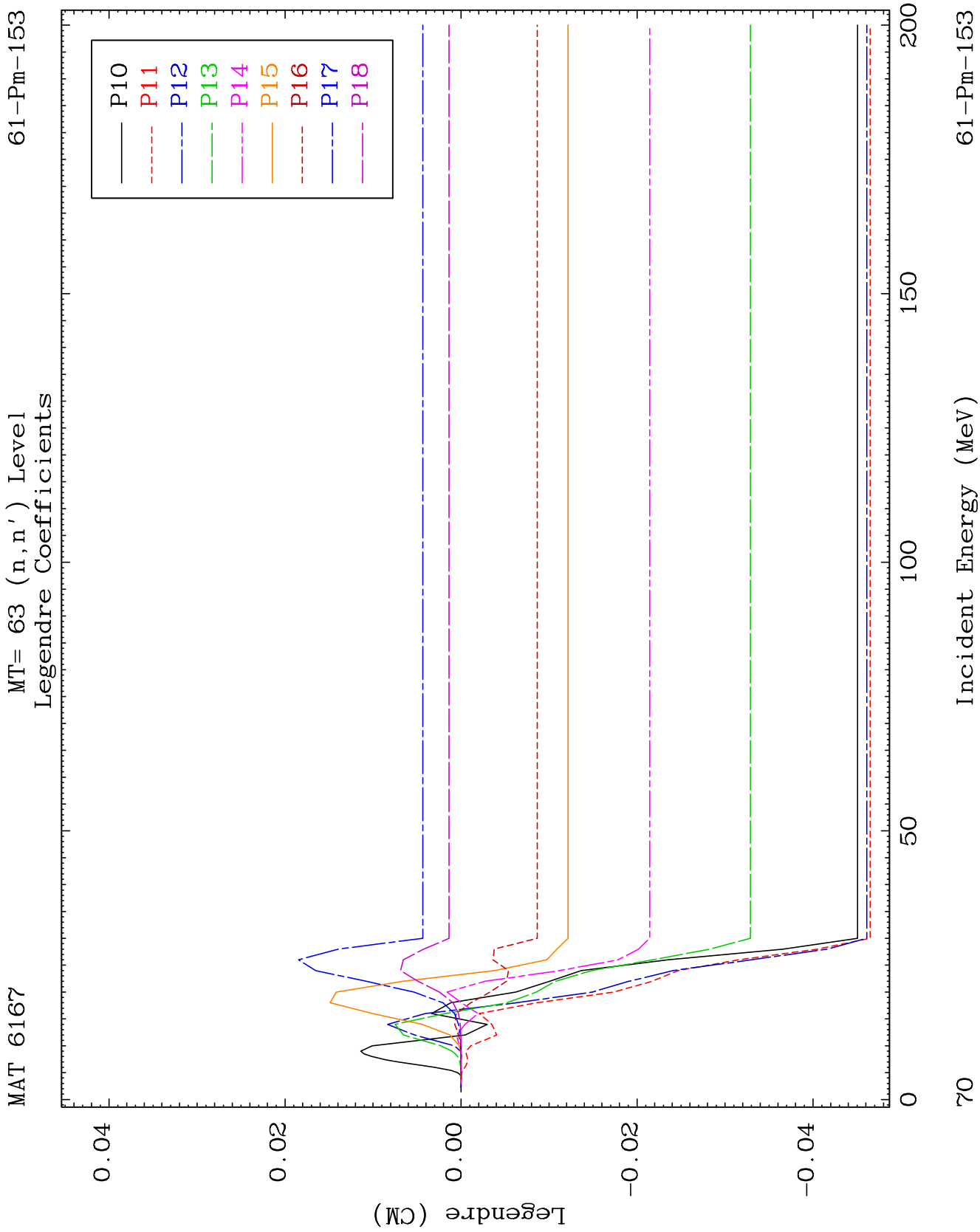
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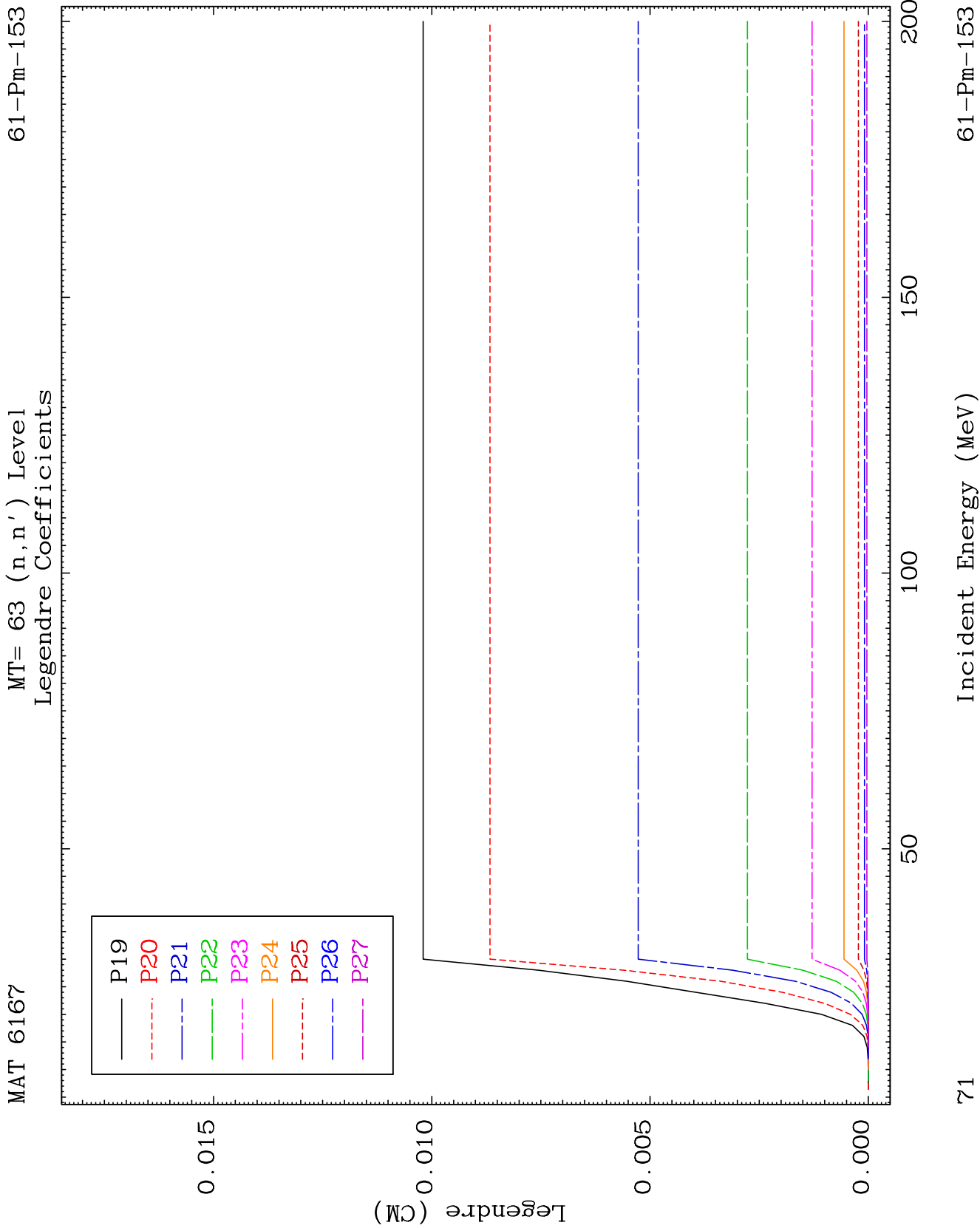








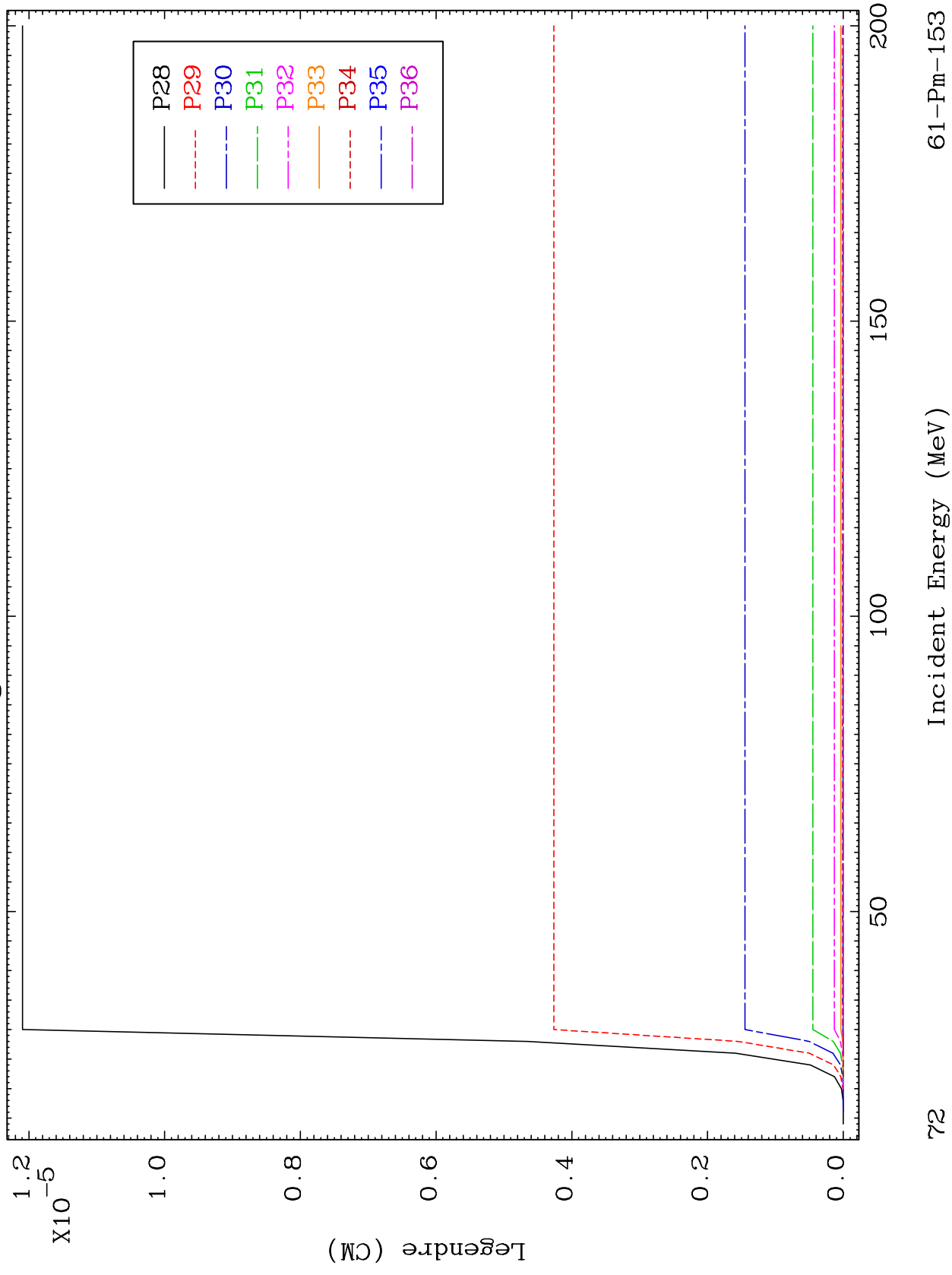


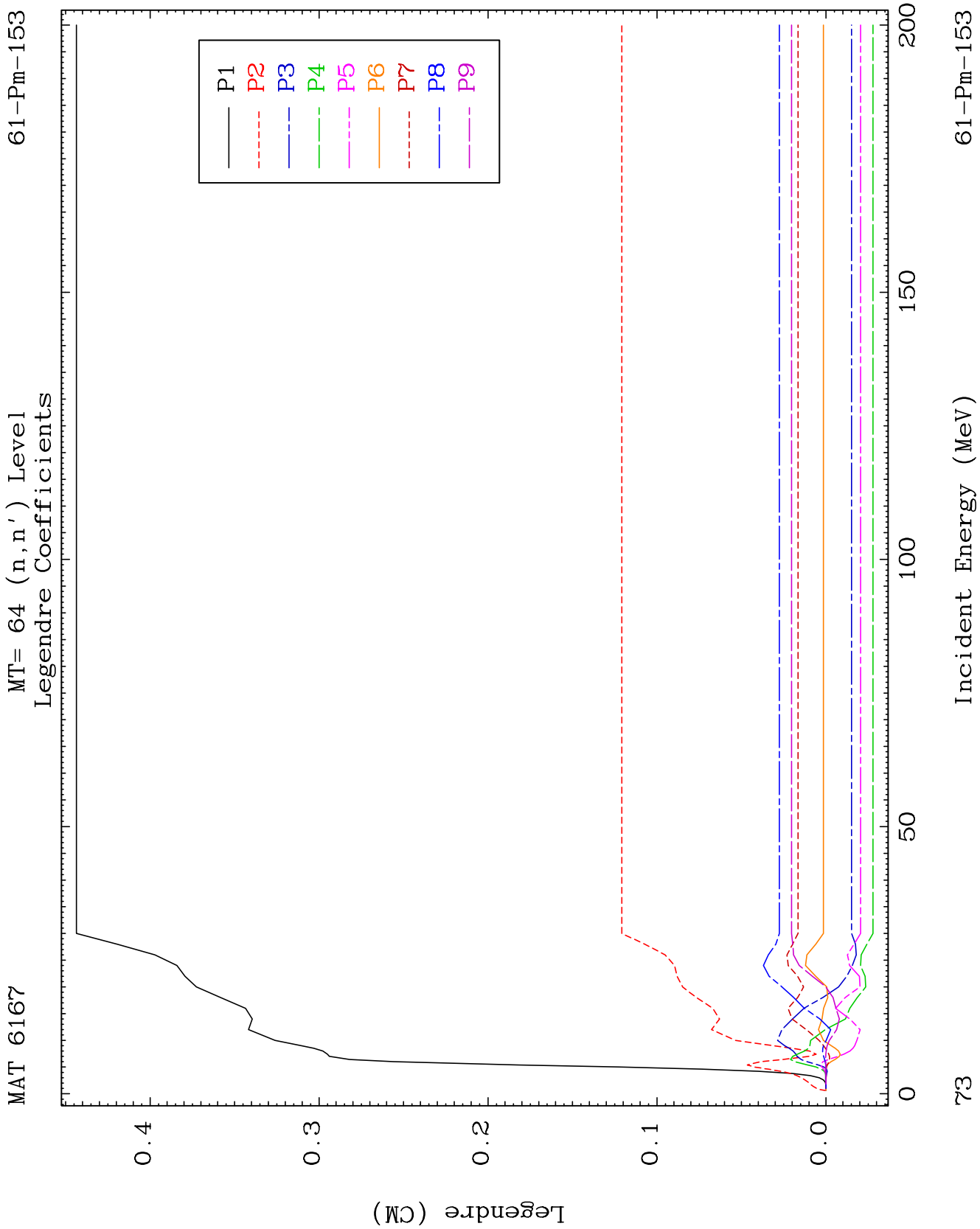


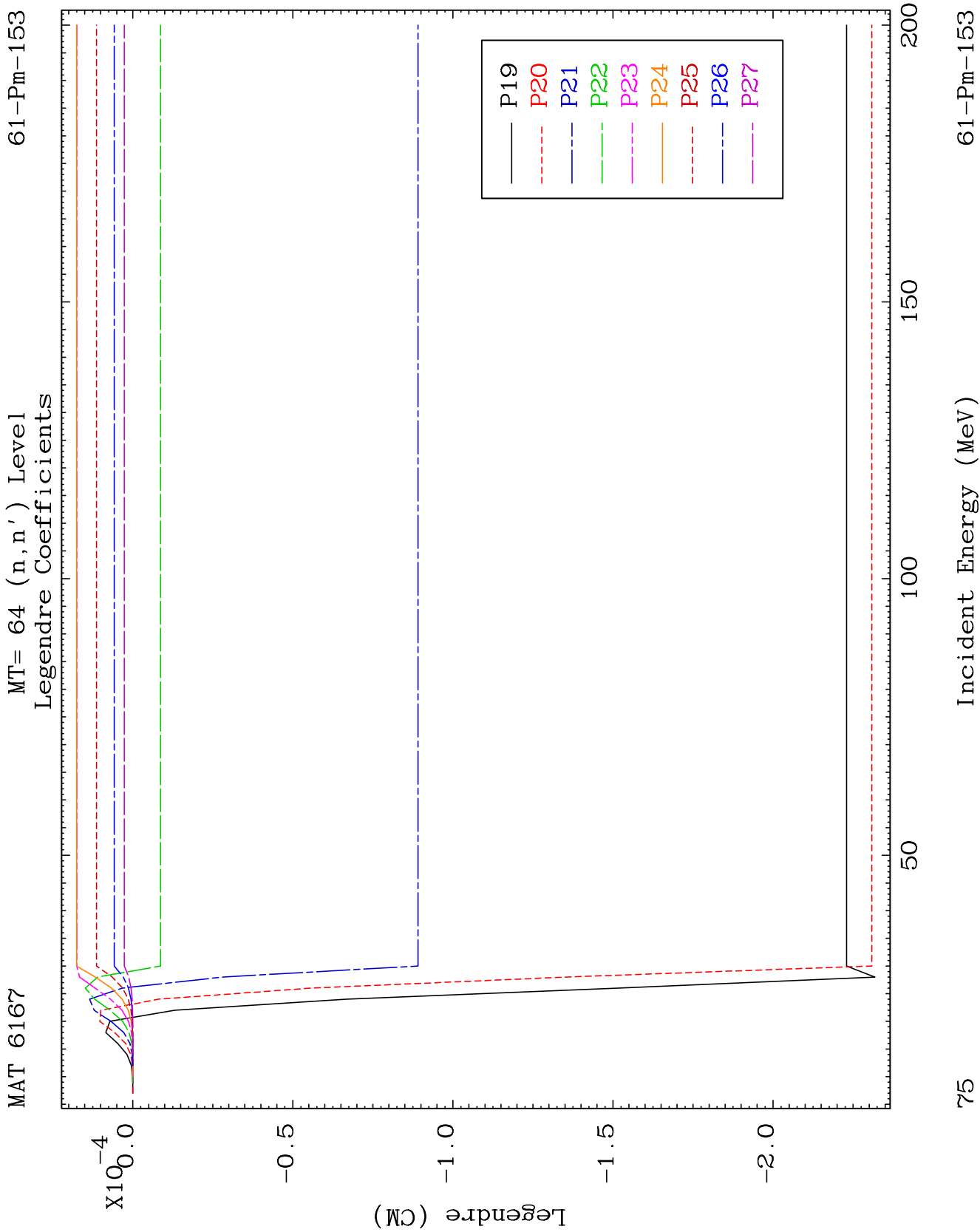
MAT 6167

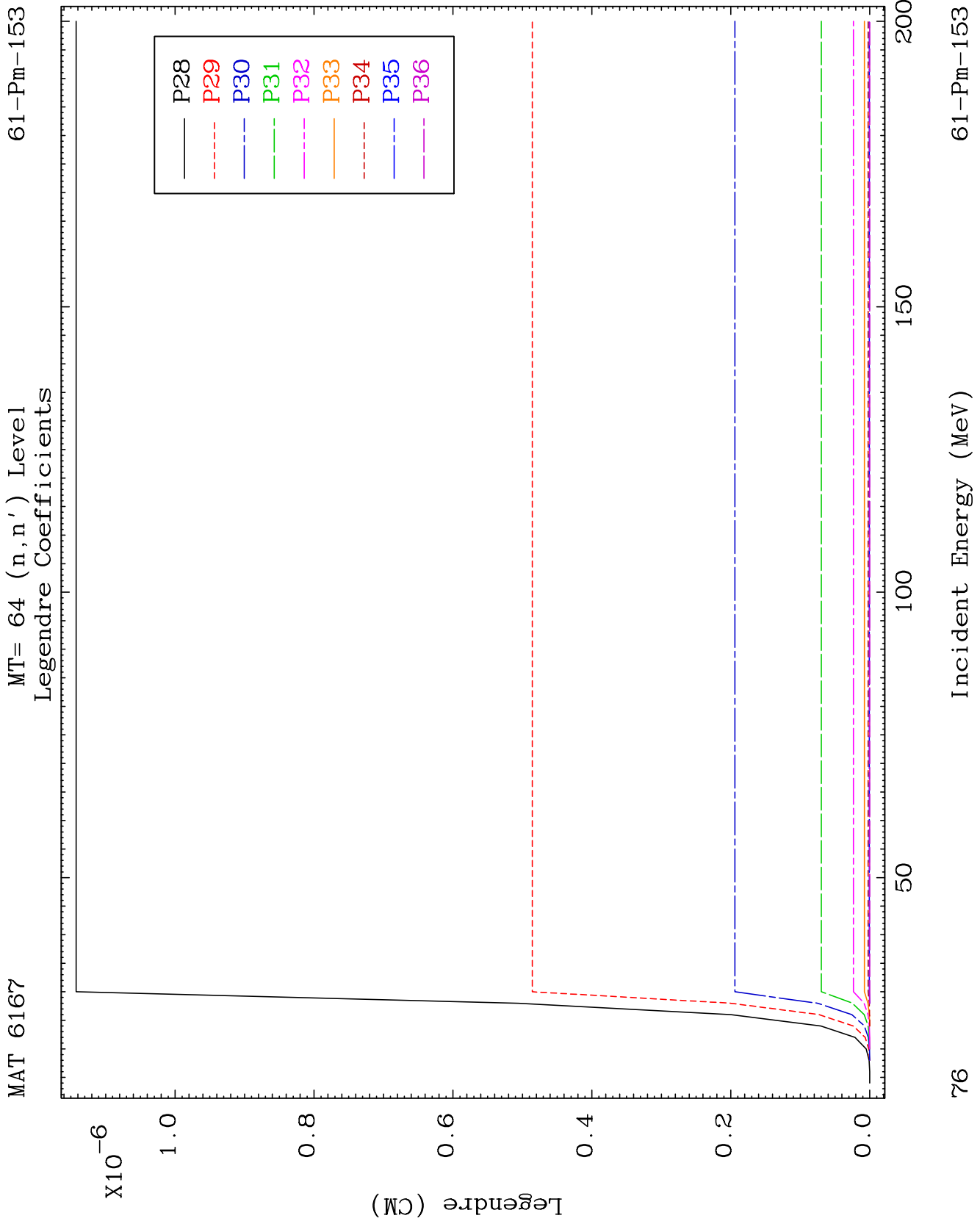
MT= 63 (n, n') Level
Legendre Coefficients

61-Pm-153





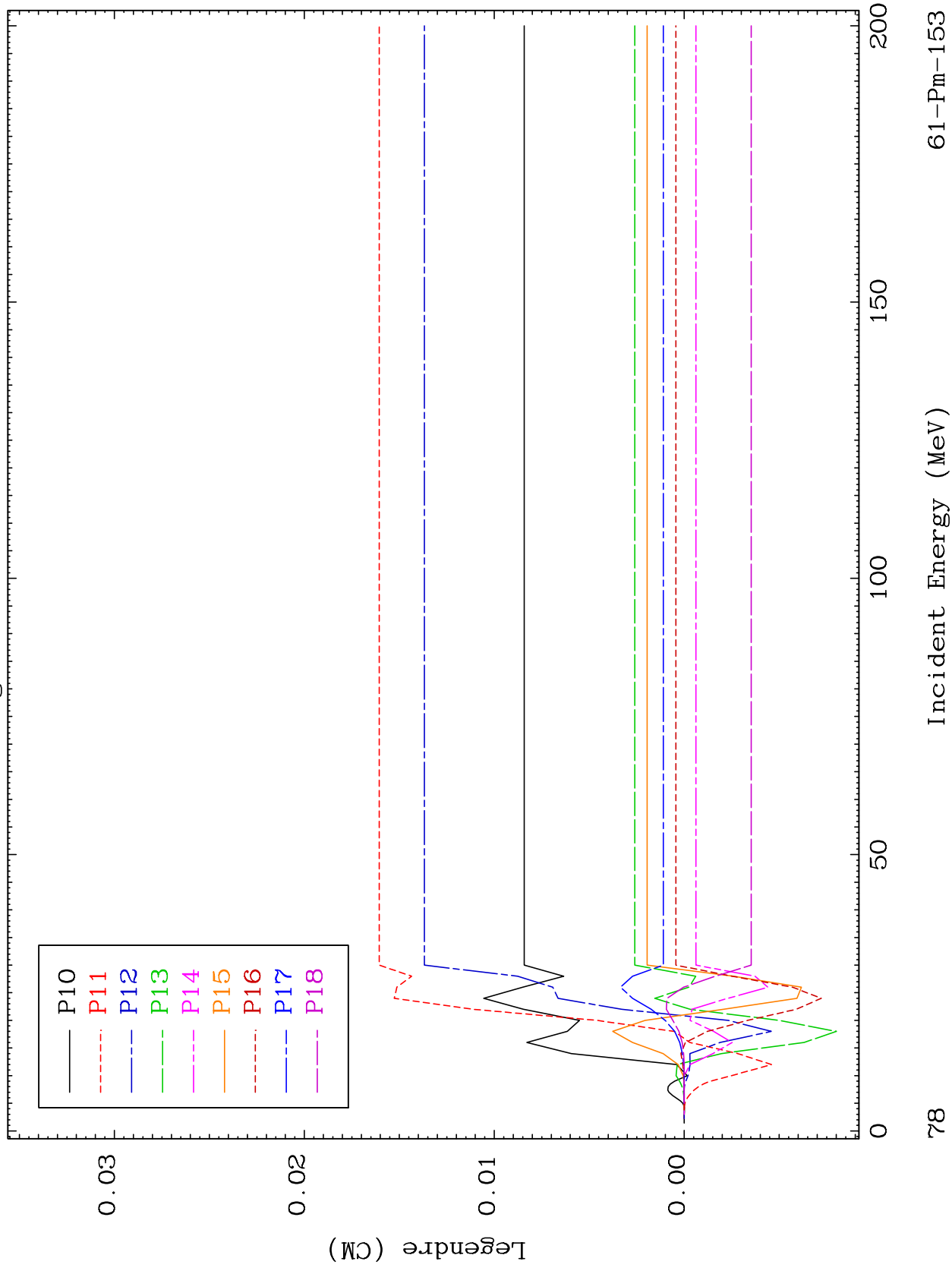




MAT 6167

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

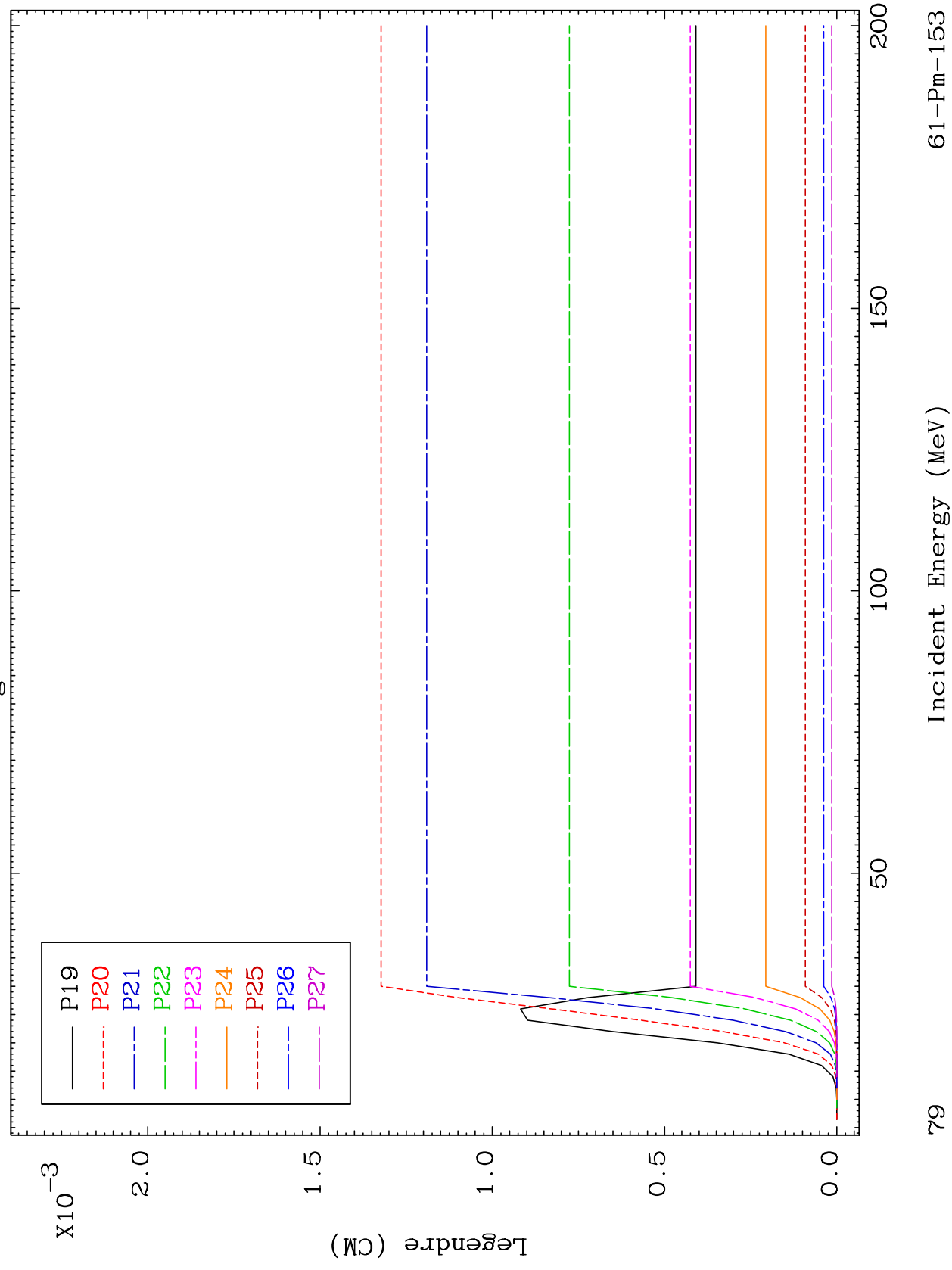
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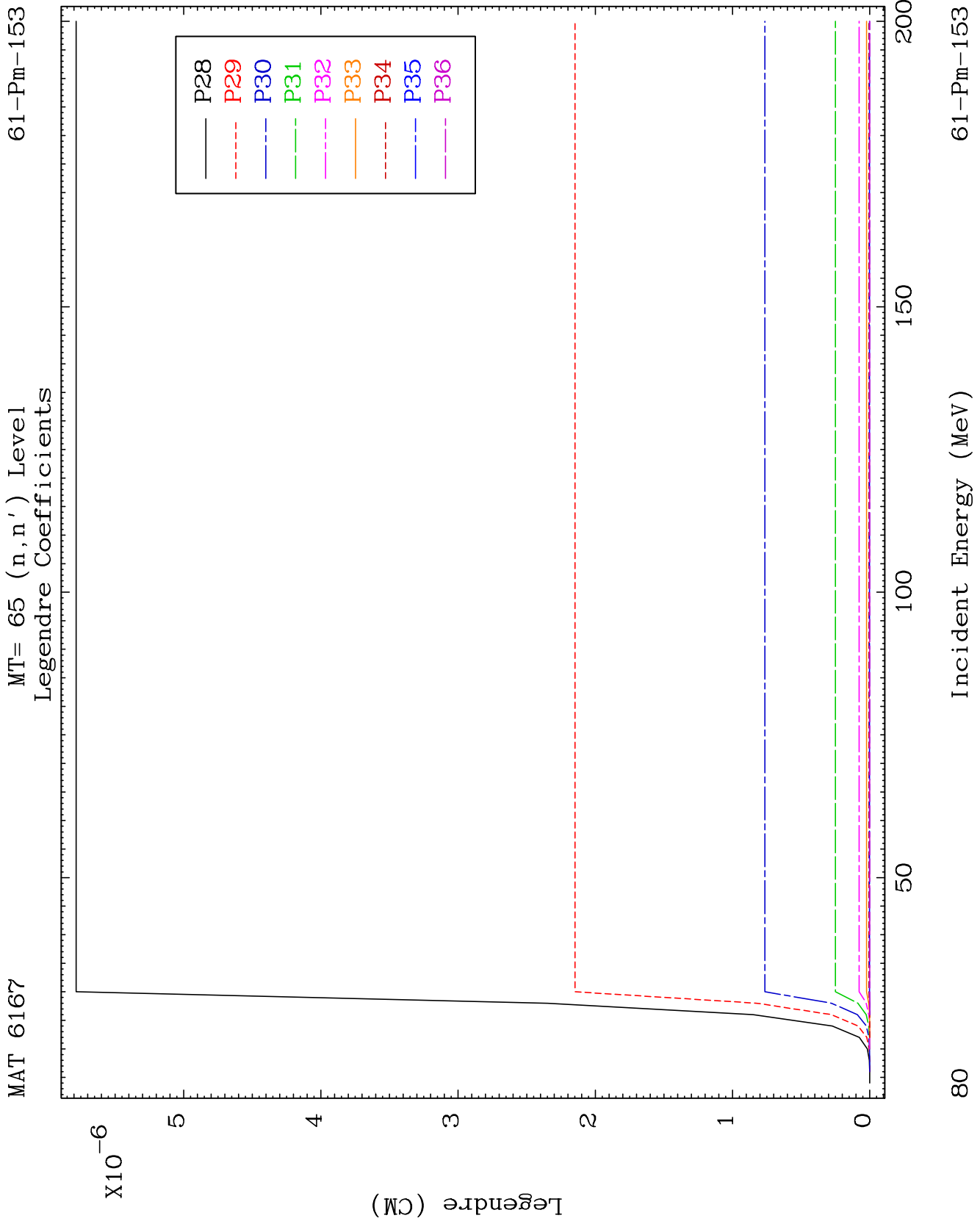


MAT 6167

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

61-Pm-153

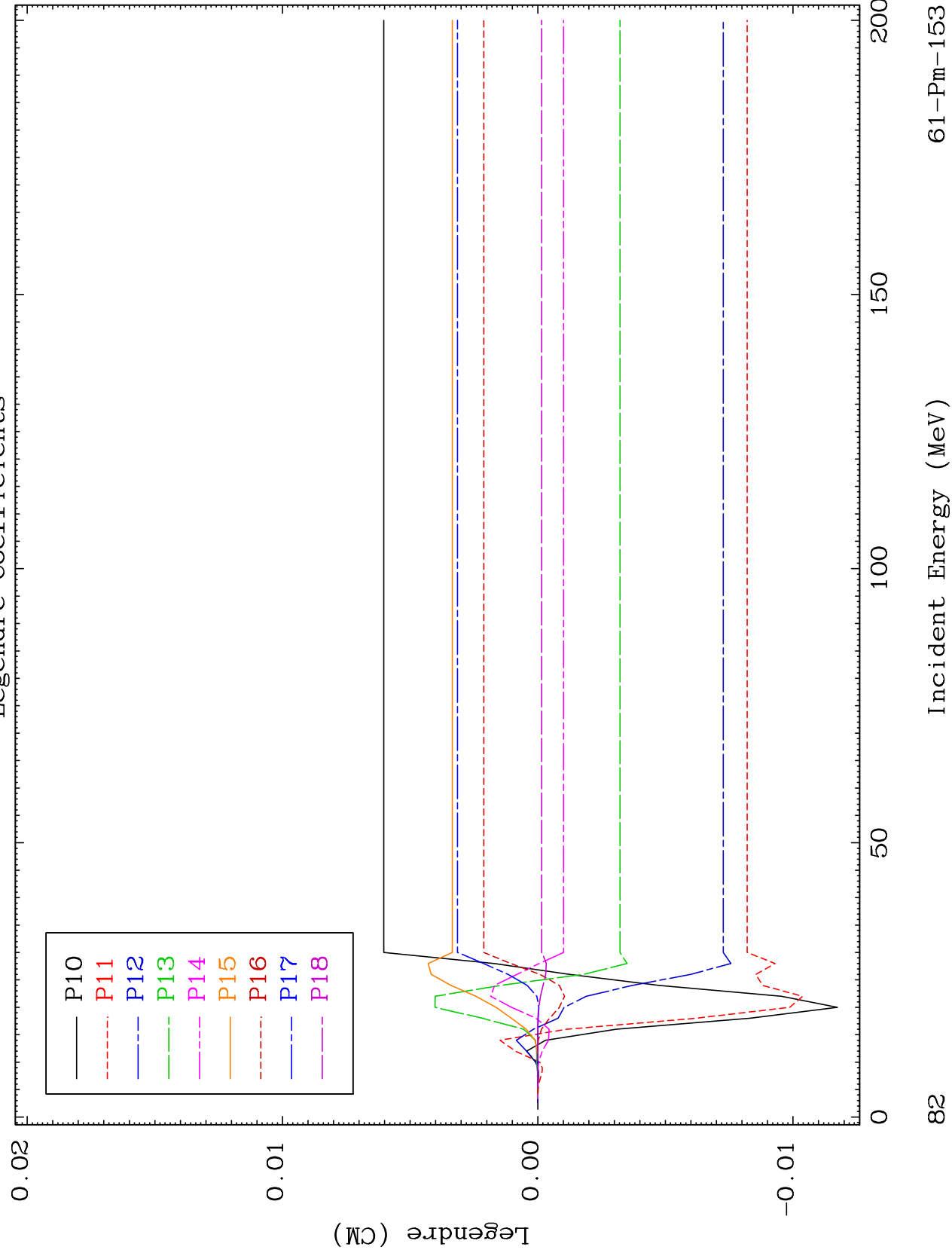


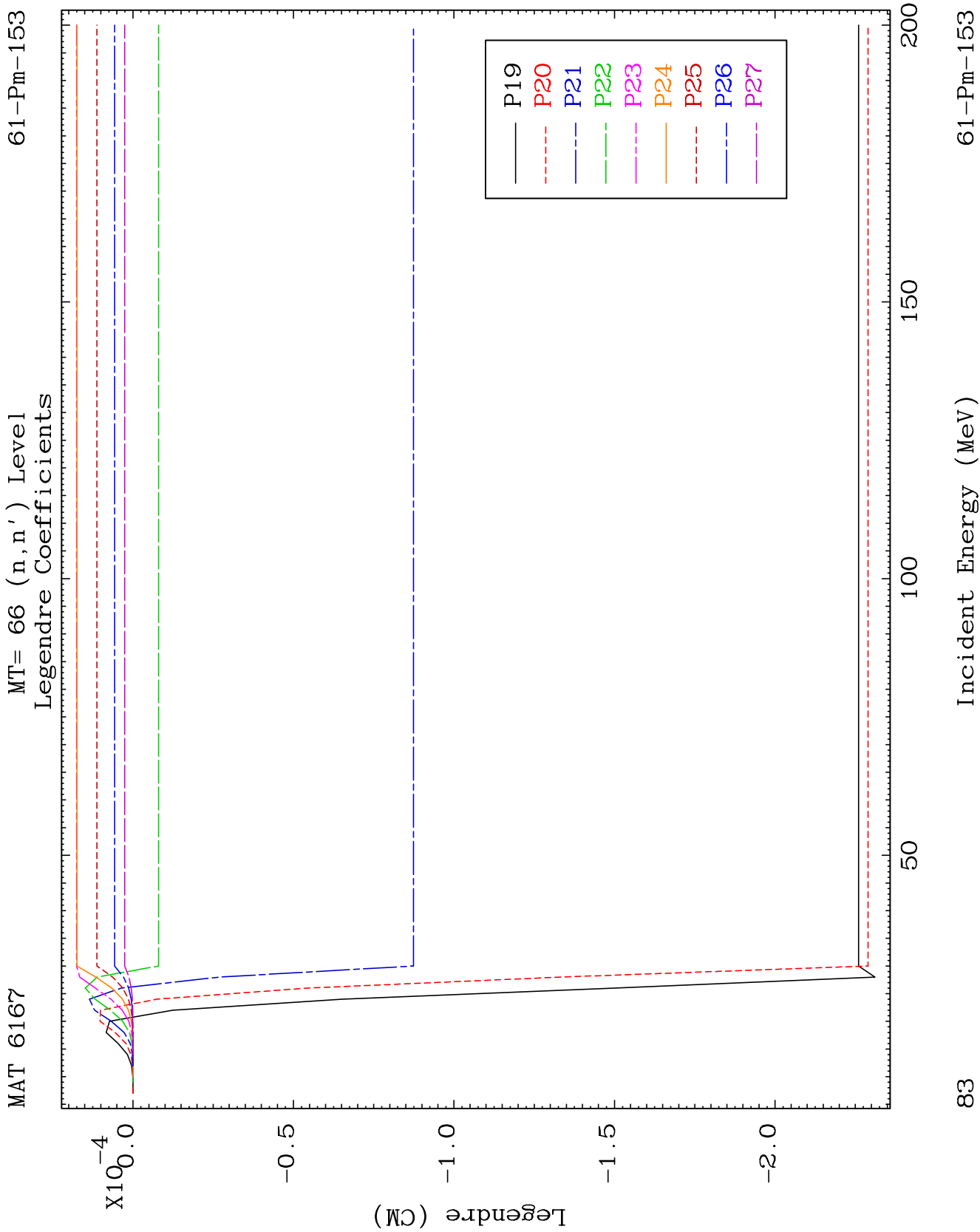


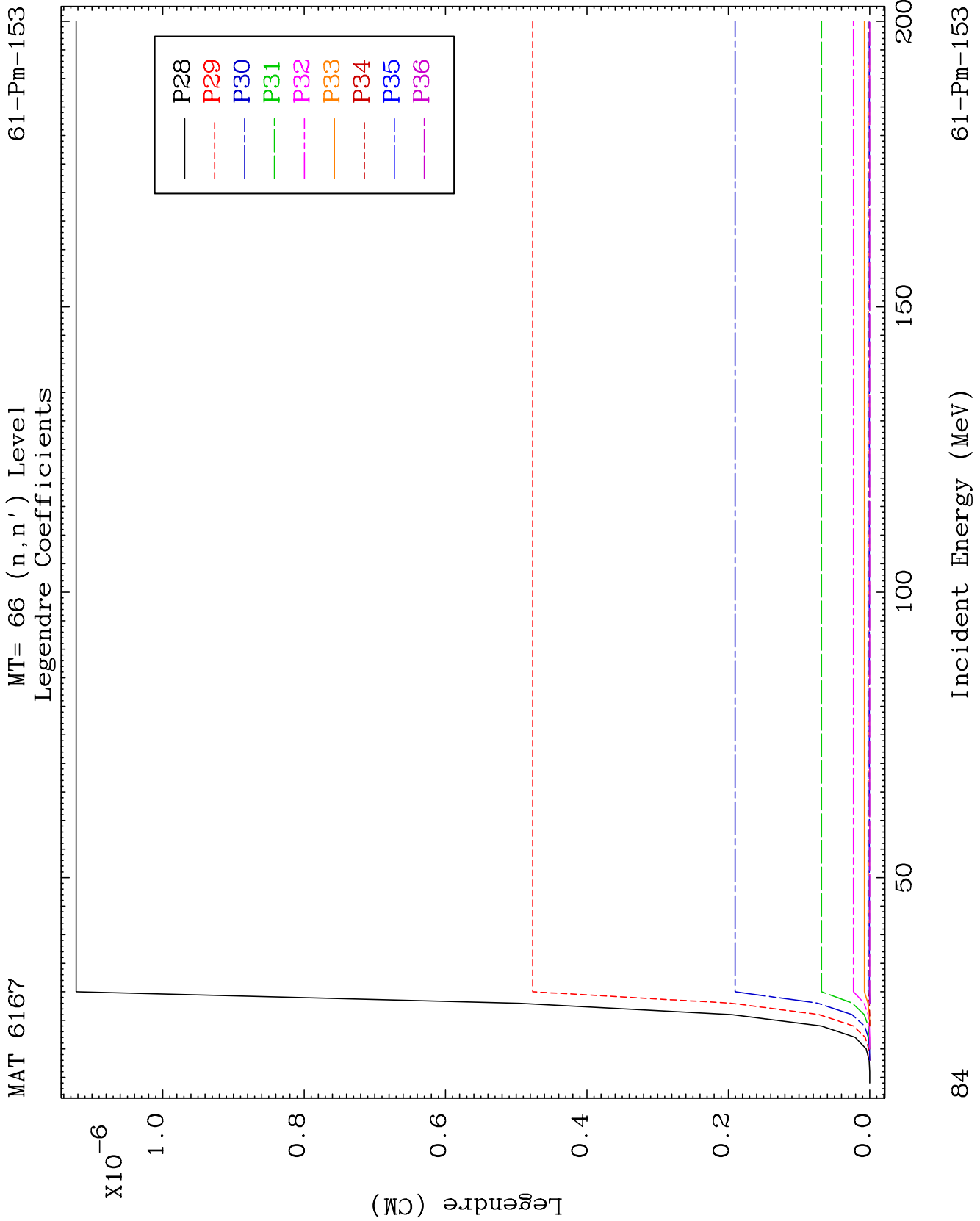
MAT 6167

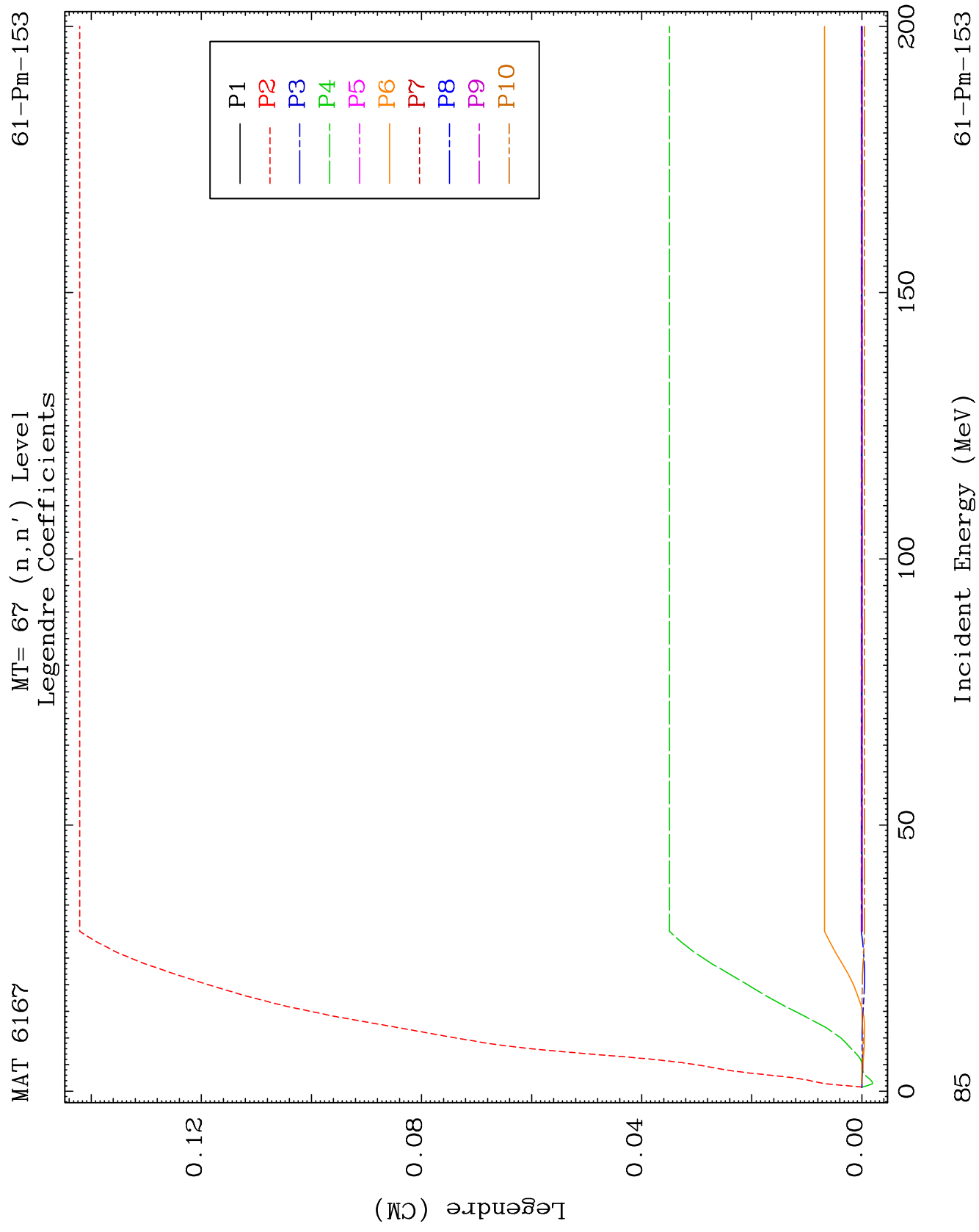
MT= 66 (n, n') Level
Legendre Coefficients

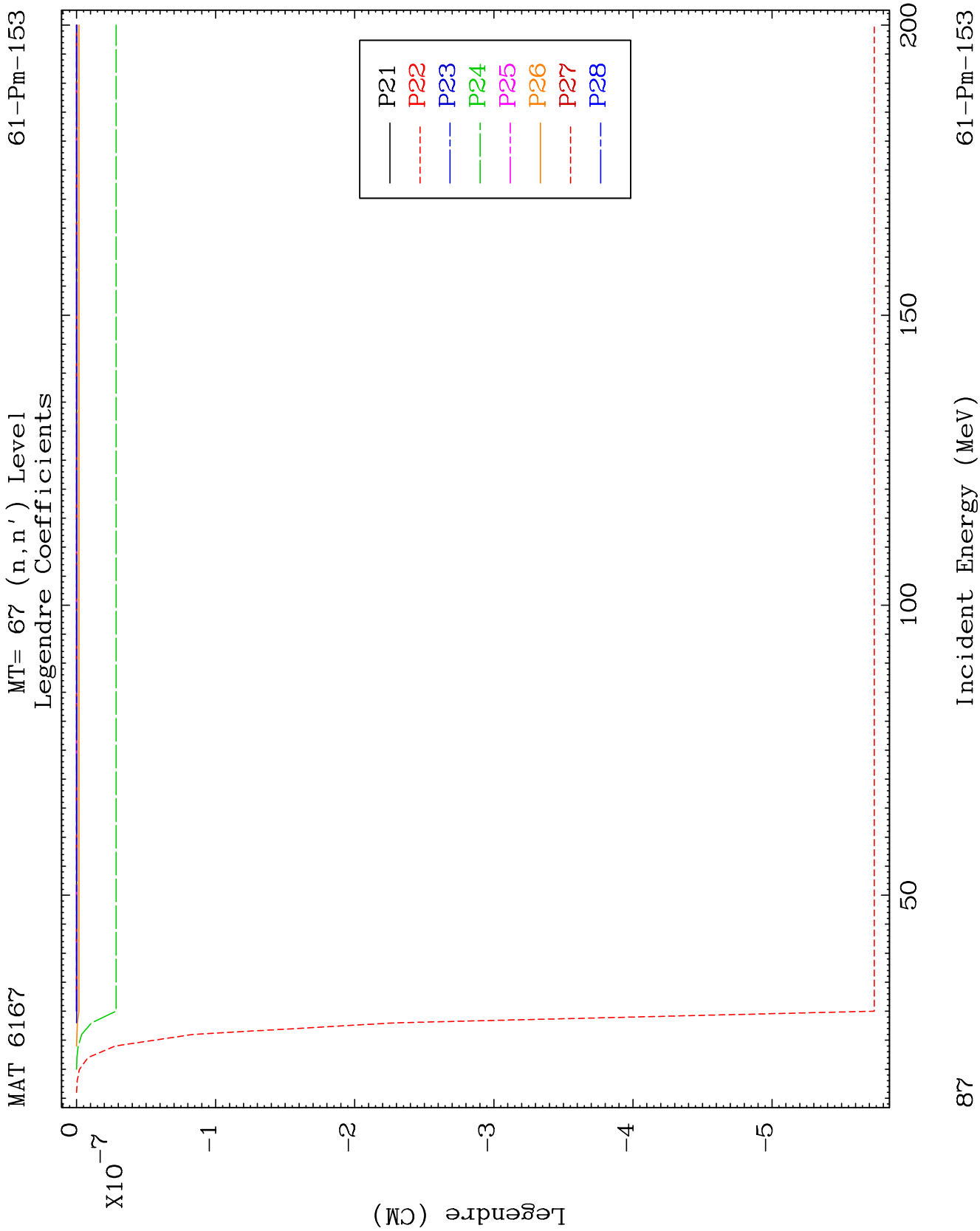
61-Pm-153

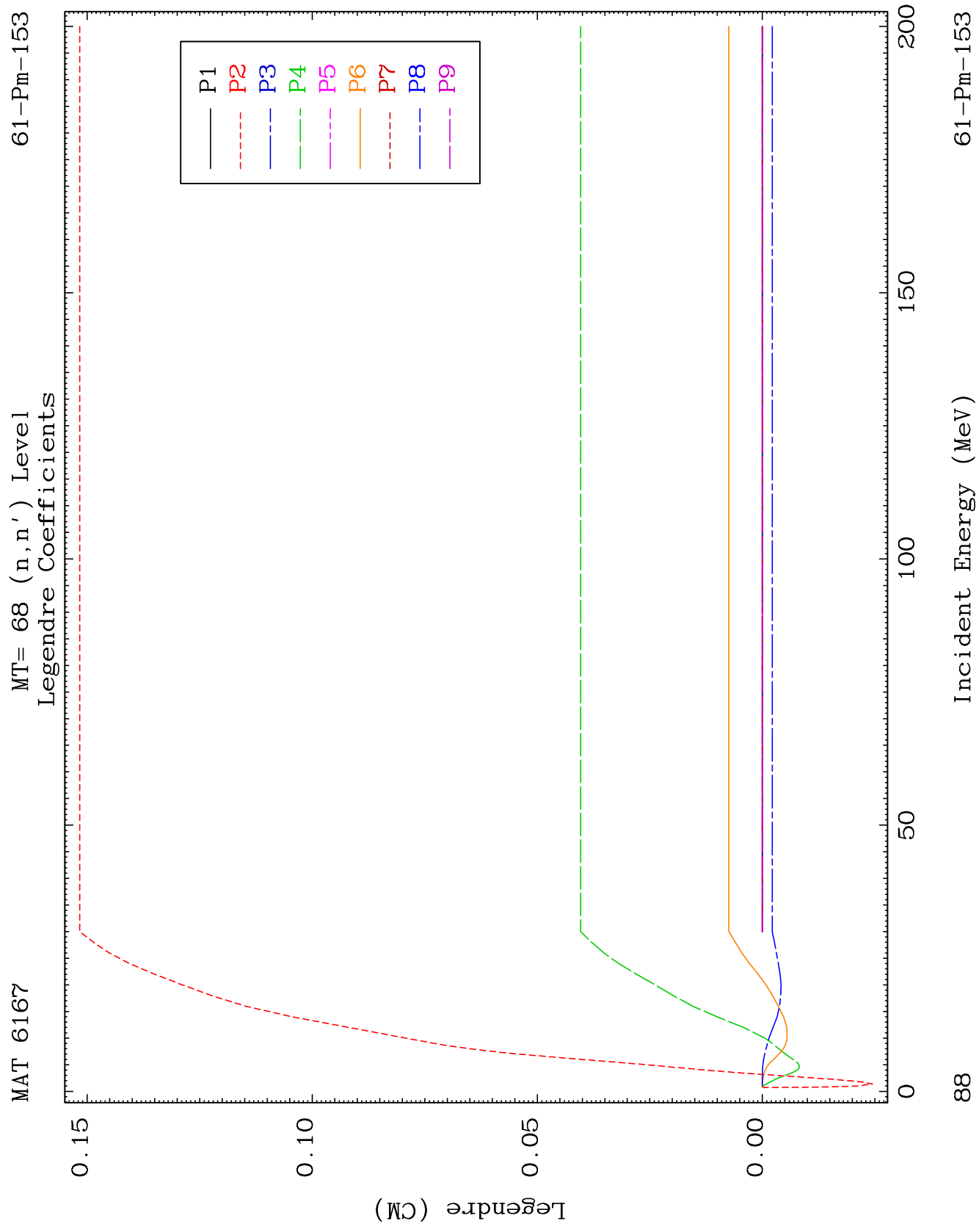








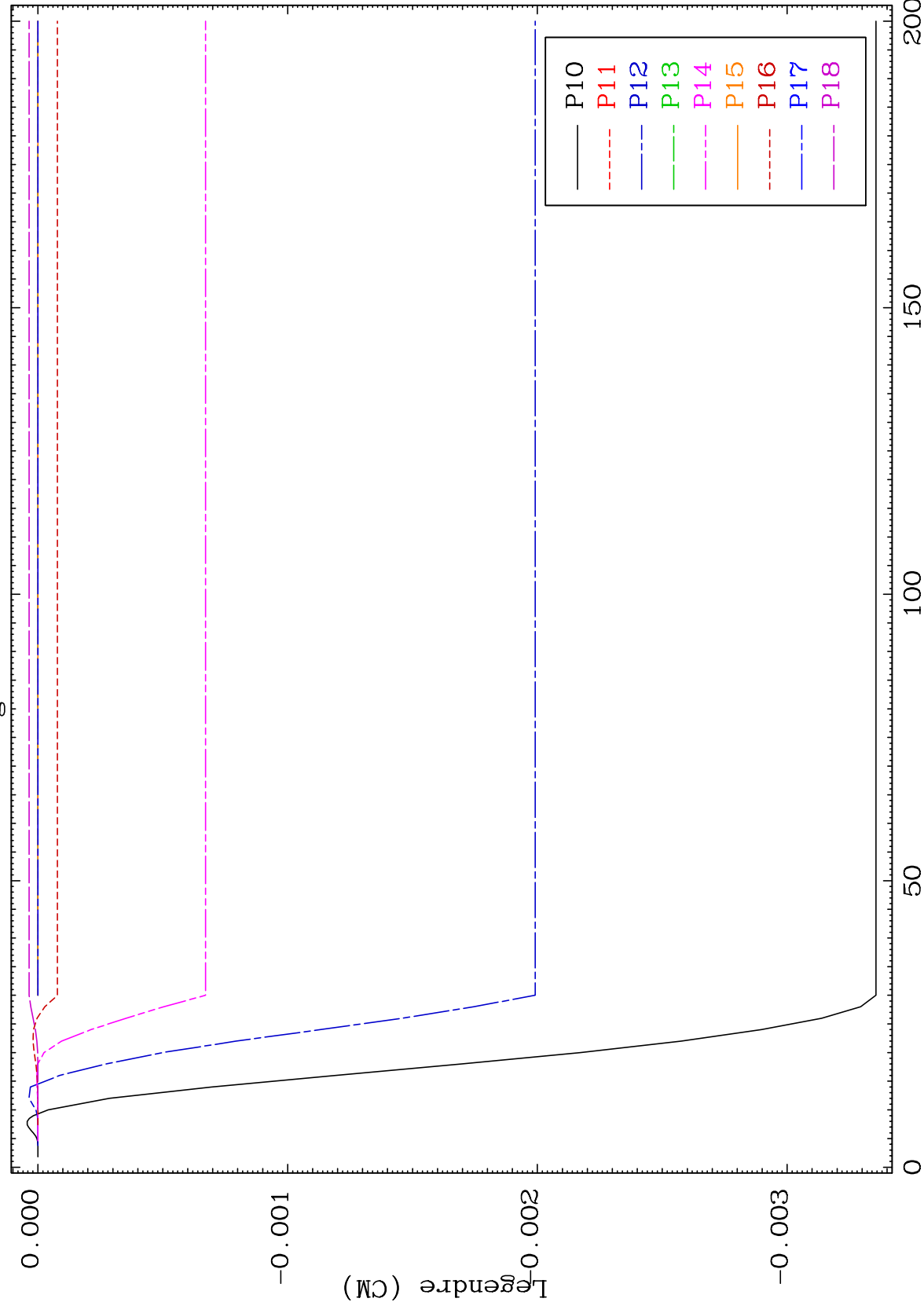




MAT 6167

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

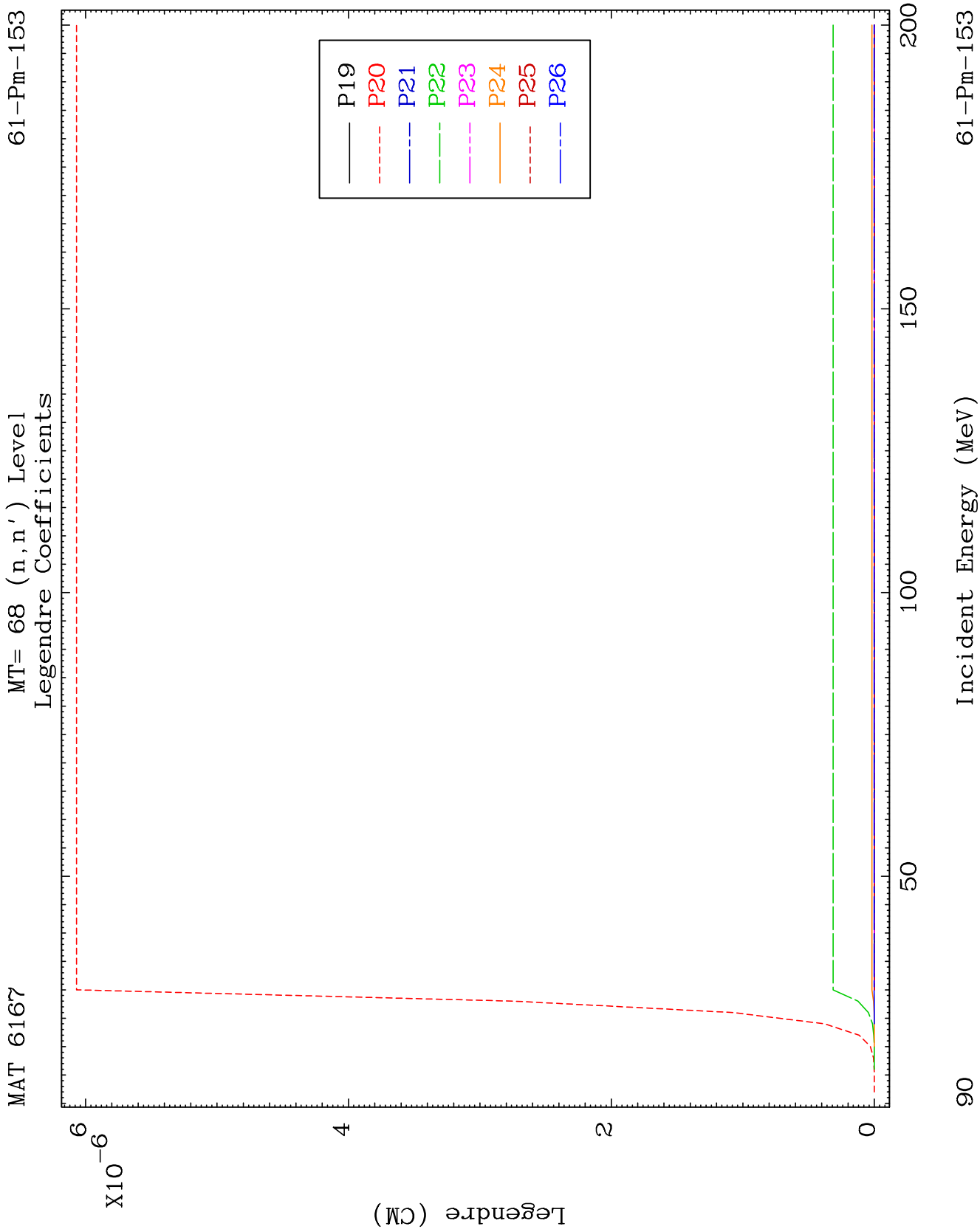
61-Pm-153

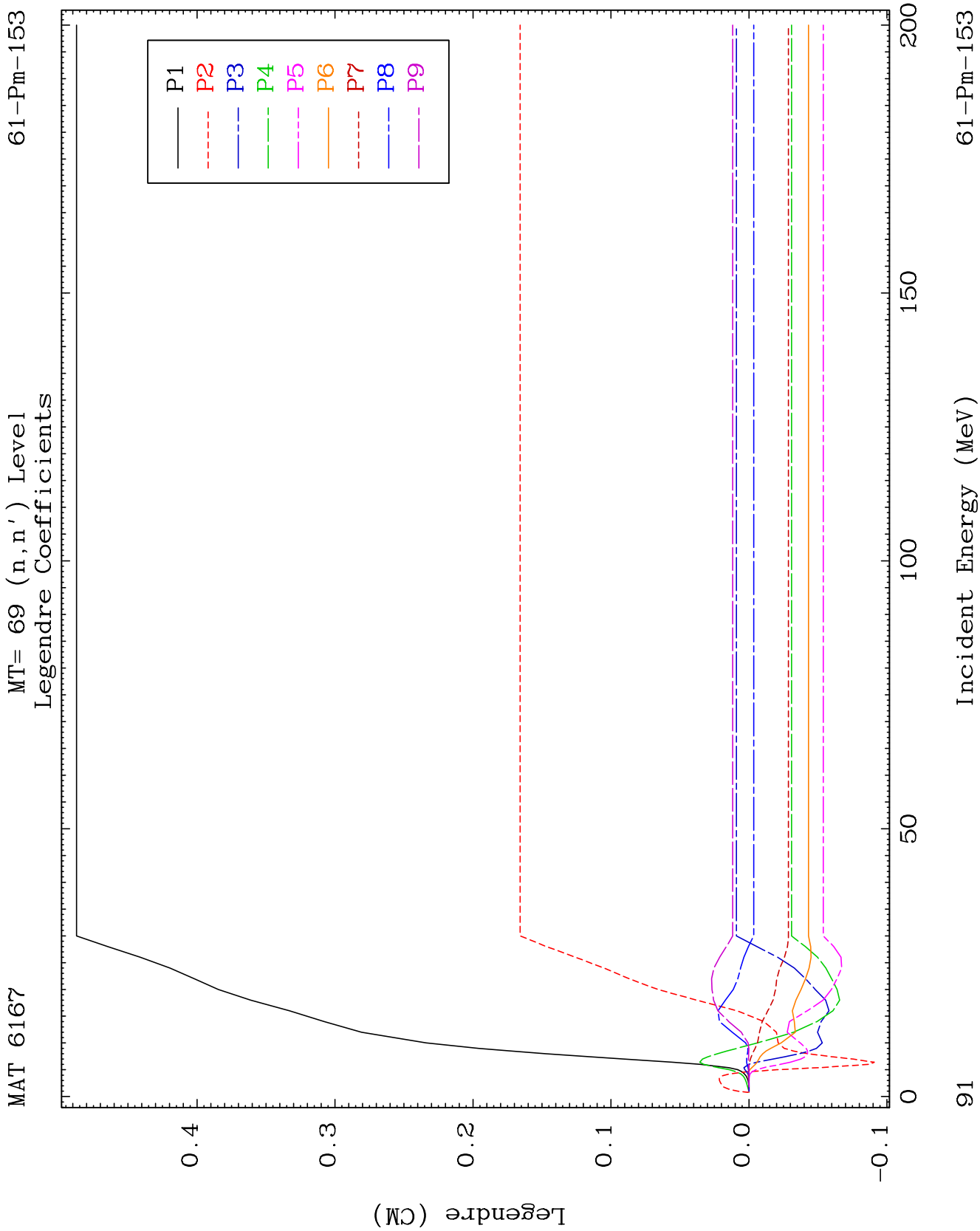


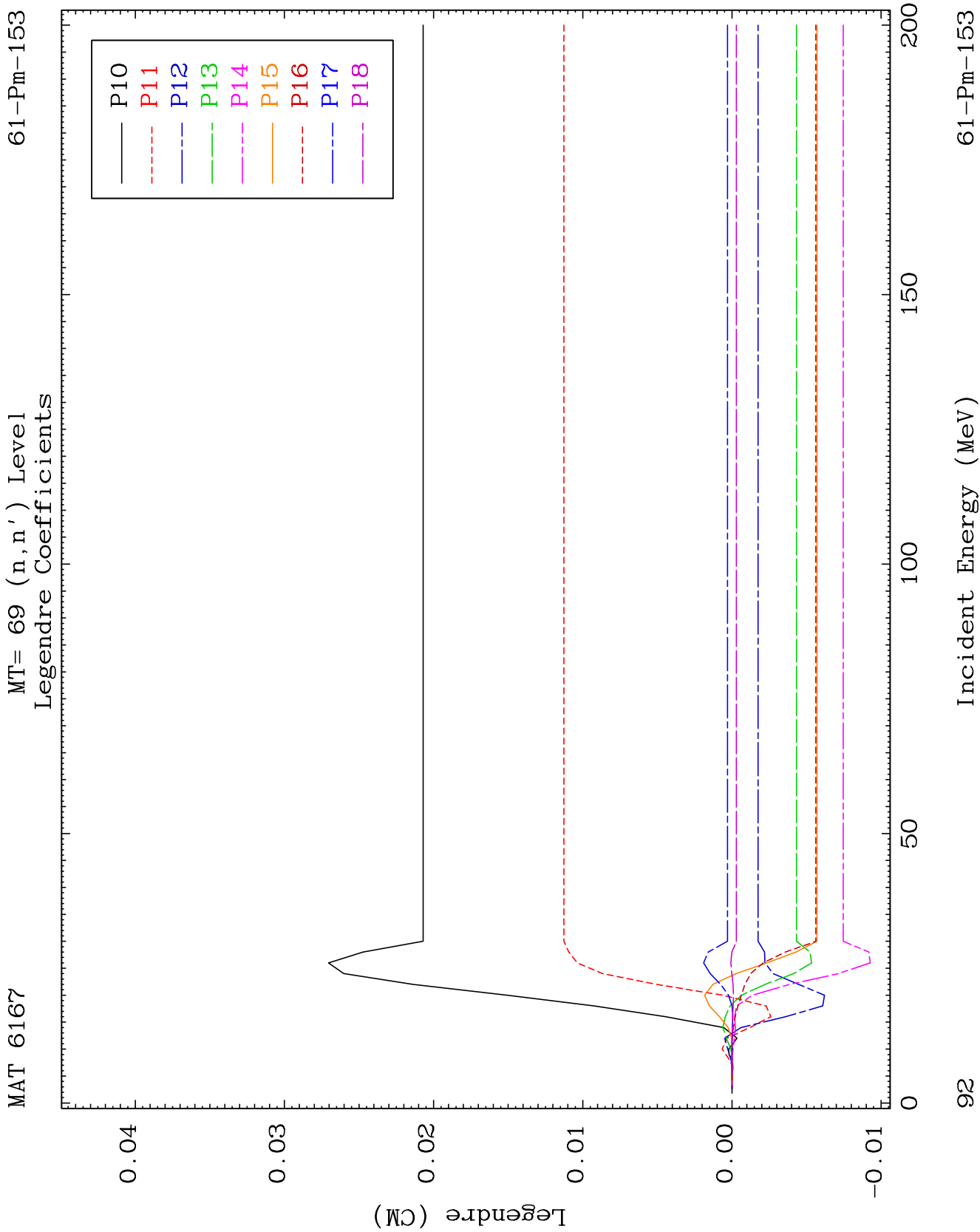
98

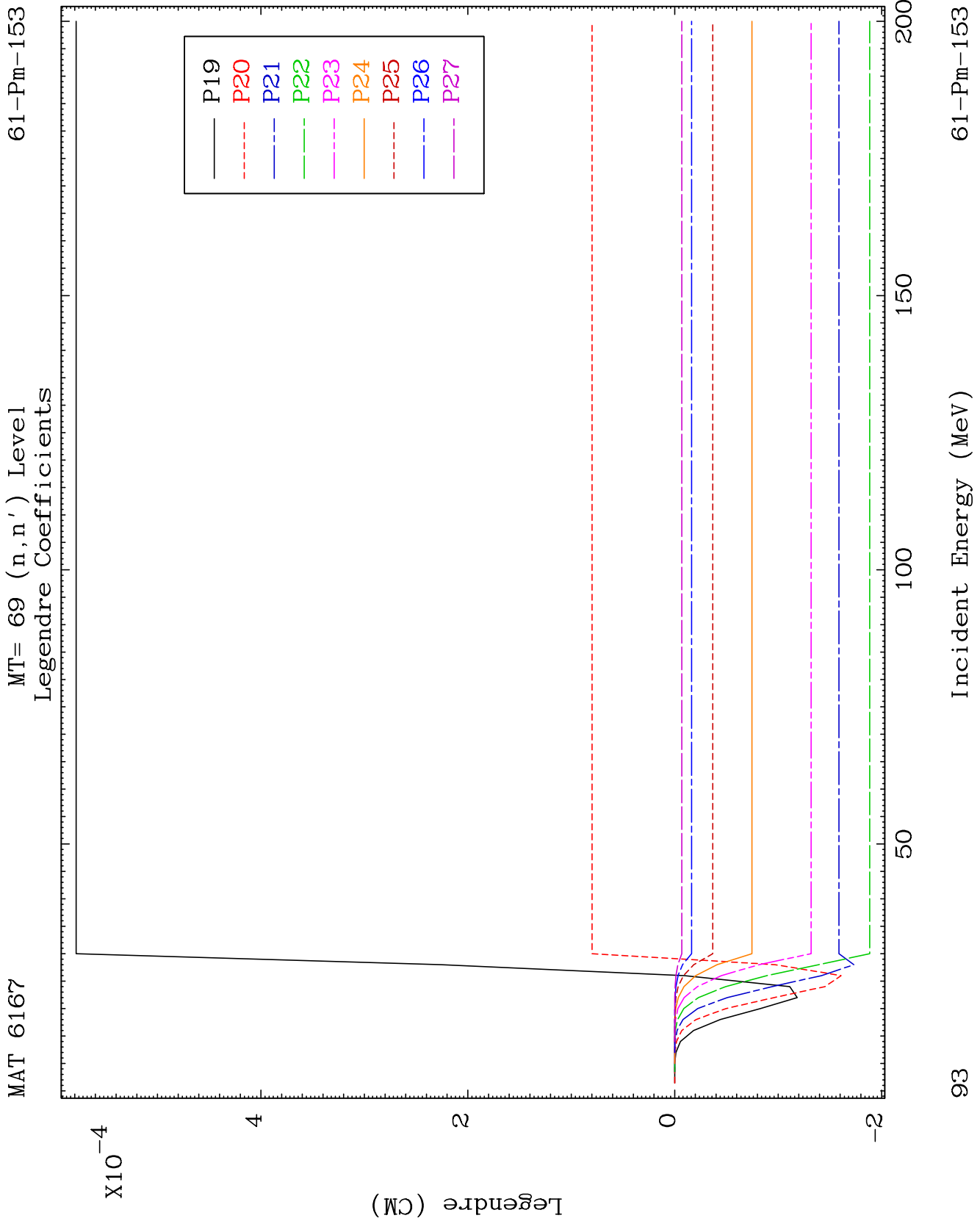
Incident Energy (MeV)

61-Pm-153





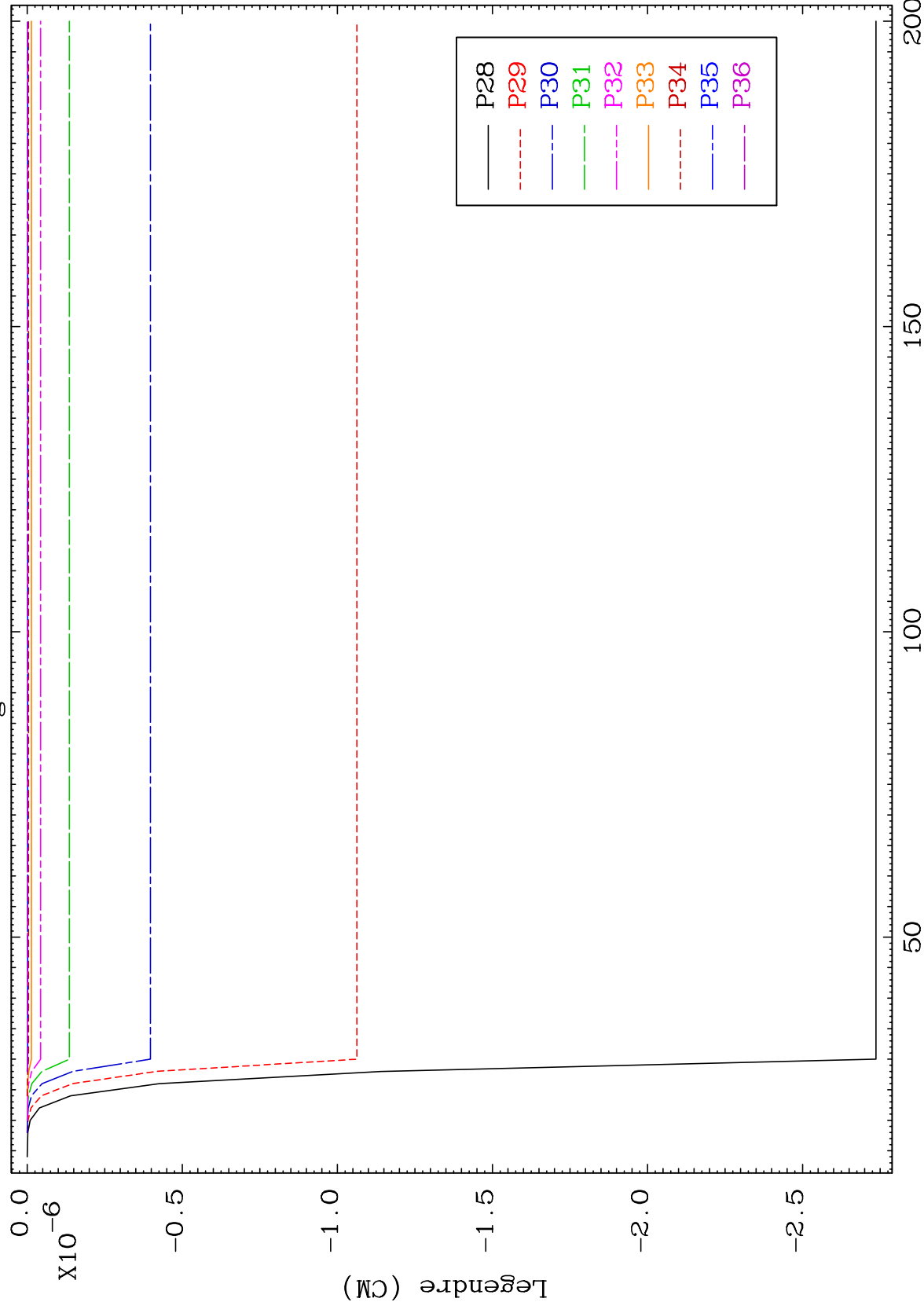




MAT 6167

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

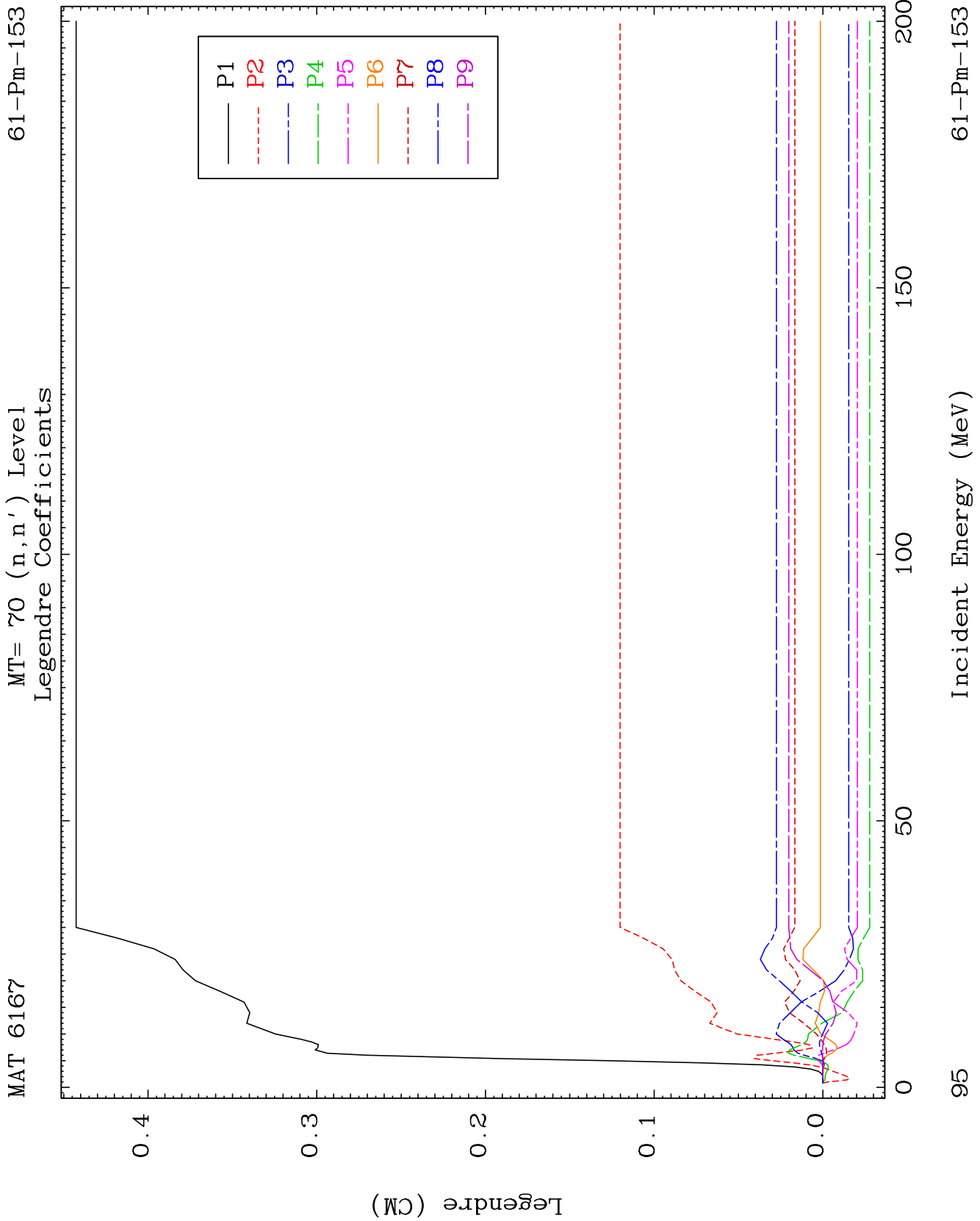
61-Pm-153

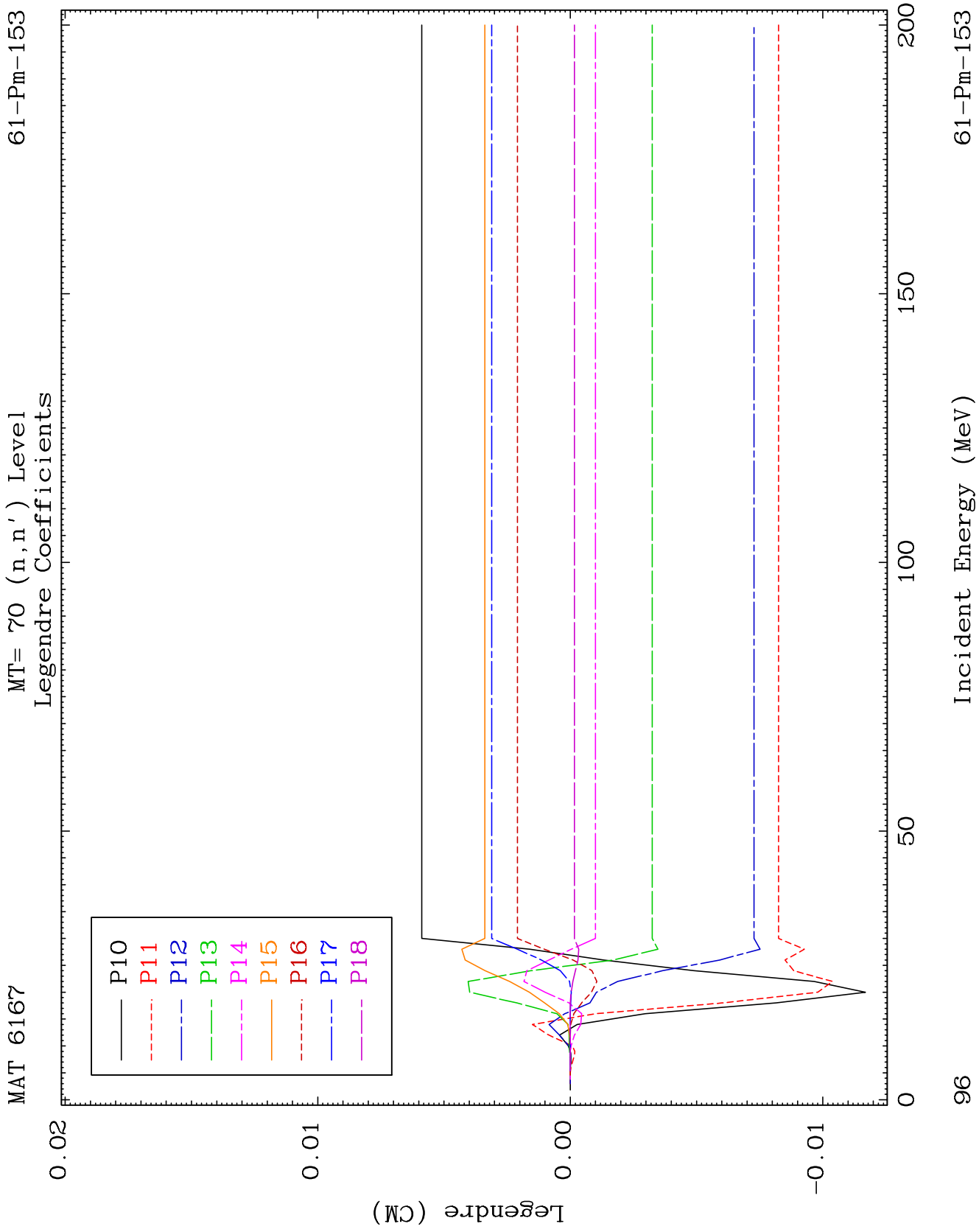


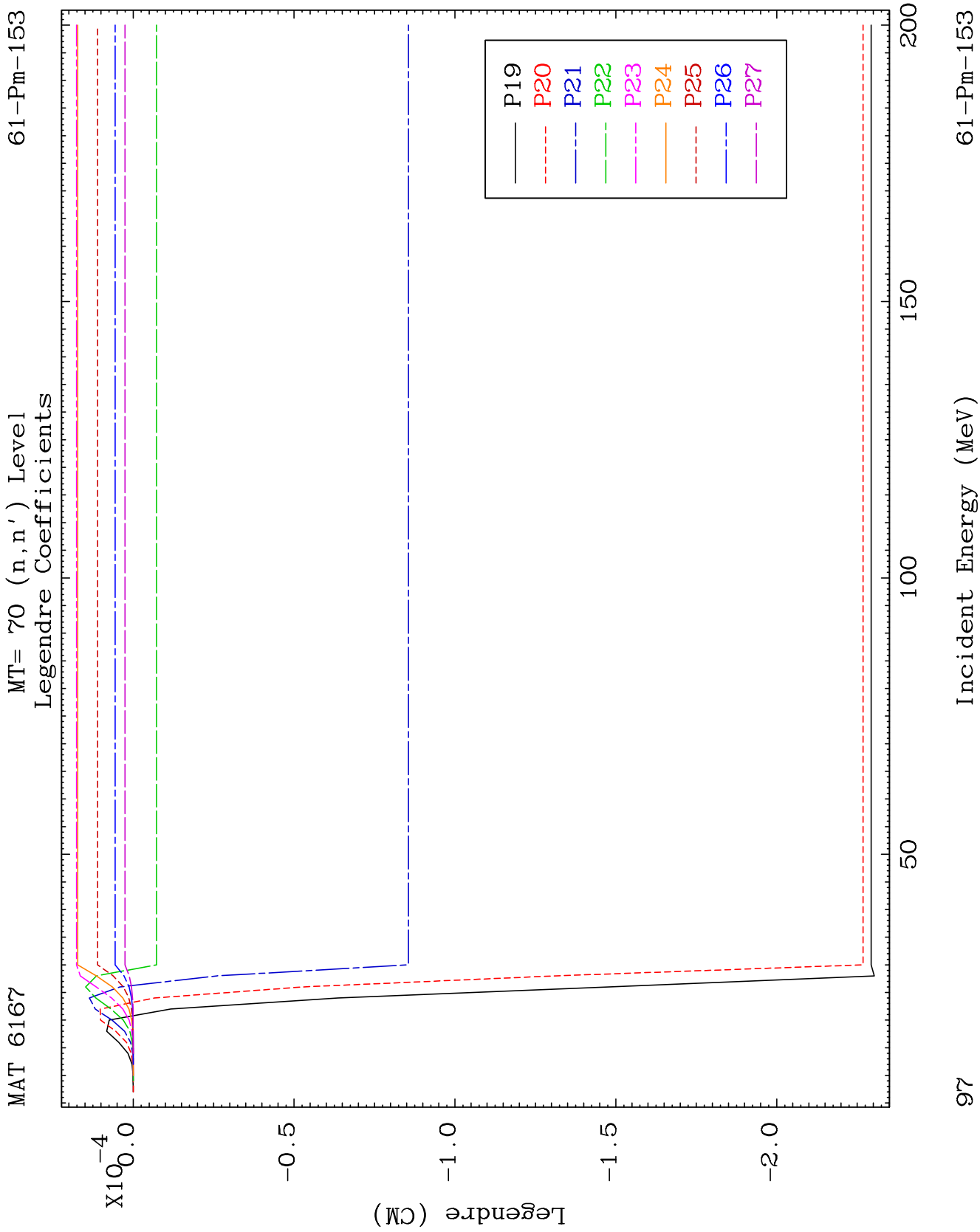
46

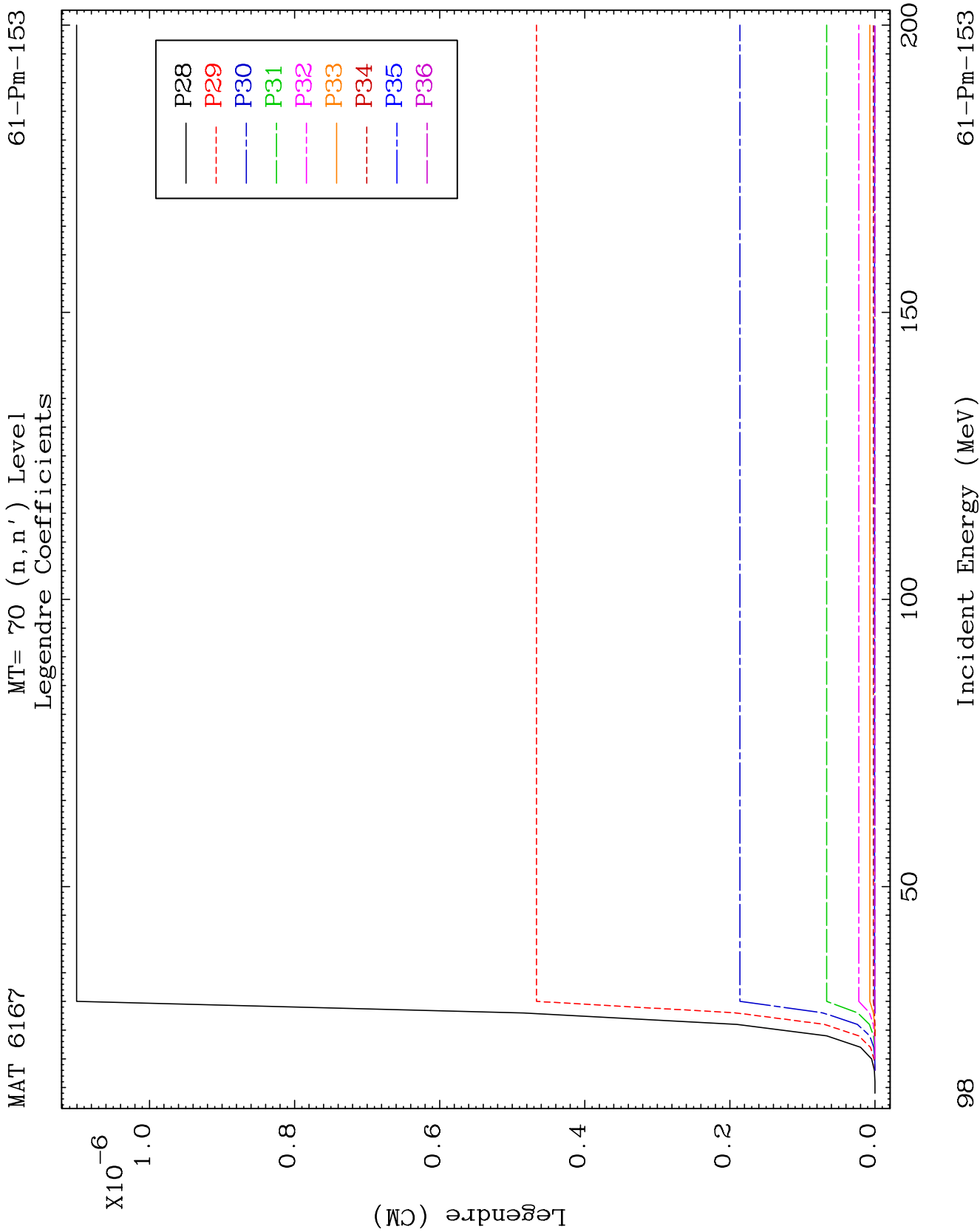
Incident Energy (MeV)

61-Pm-153





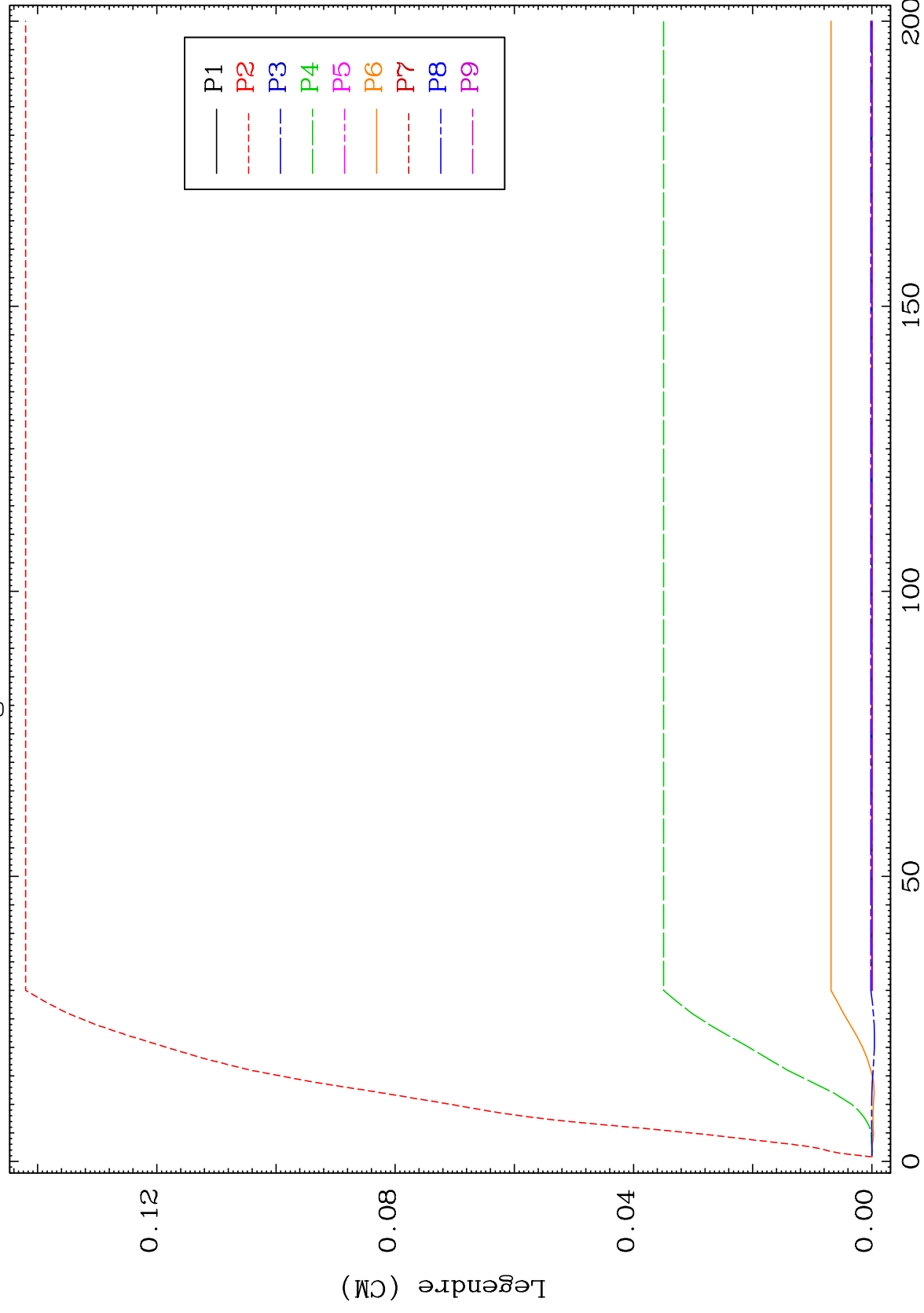




MAT 6167

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

61-Pm-153



99

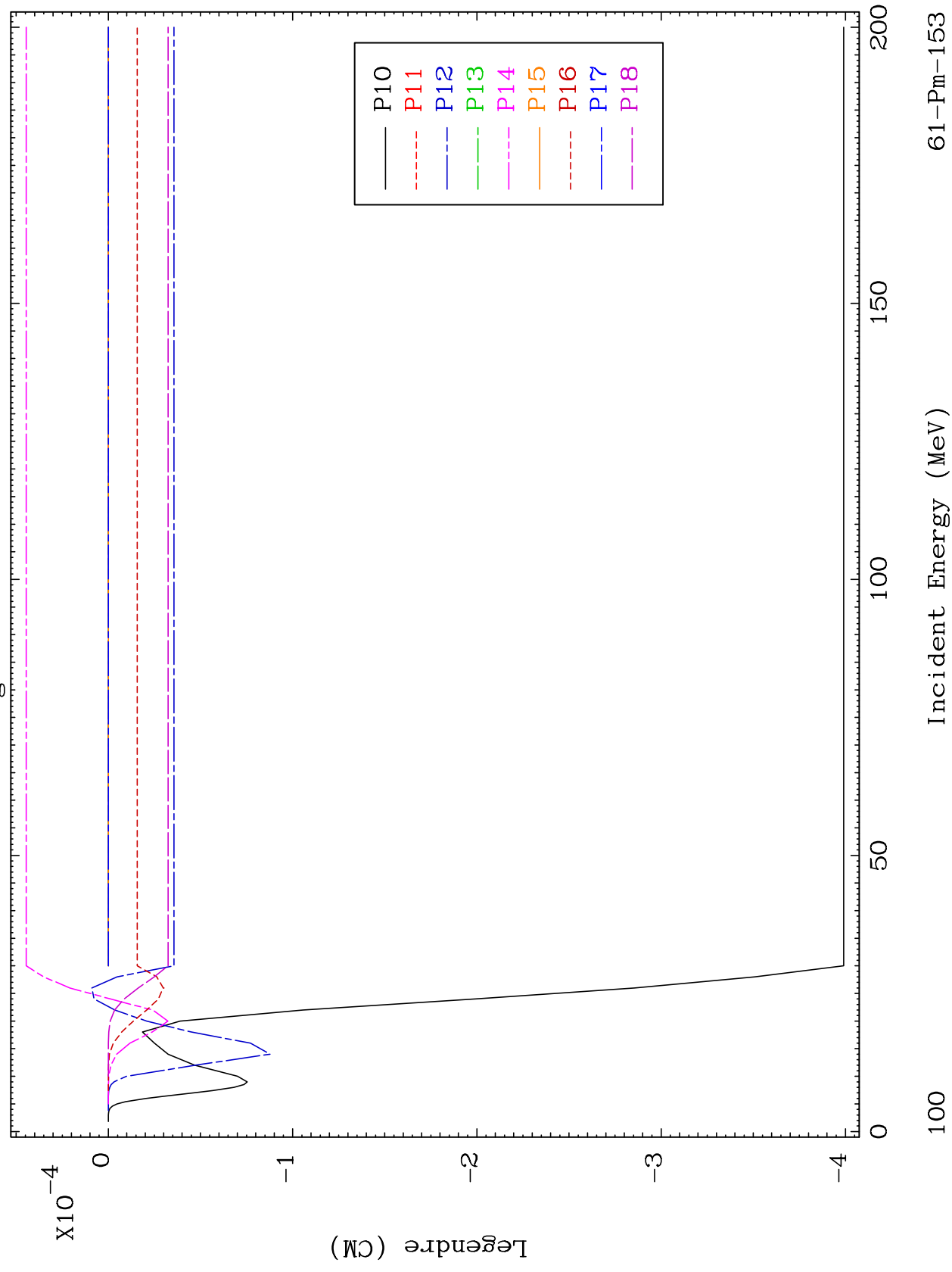
Incident Energy (MeV)

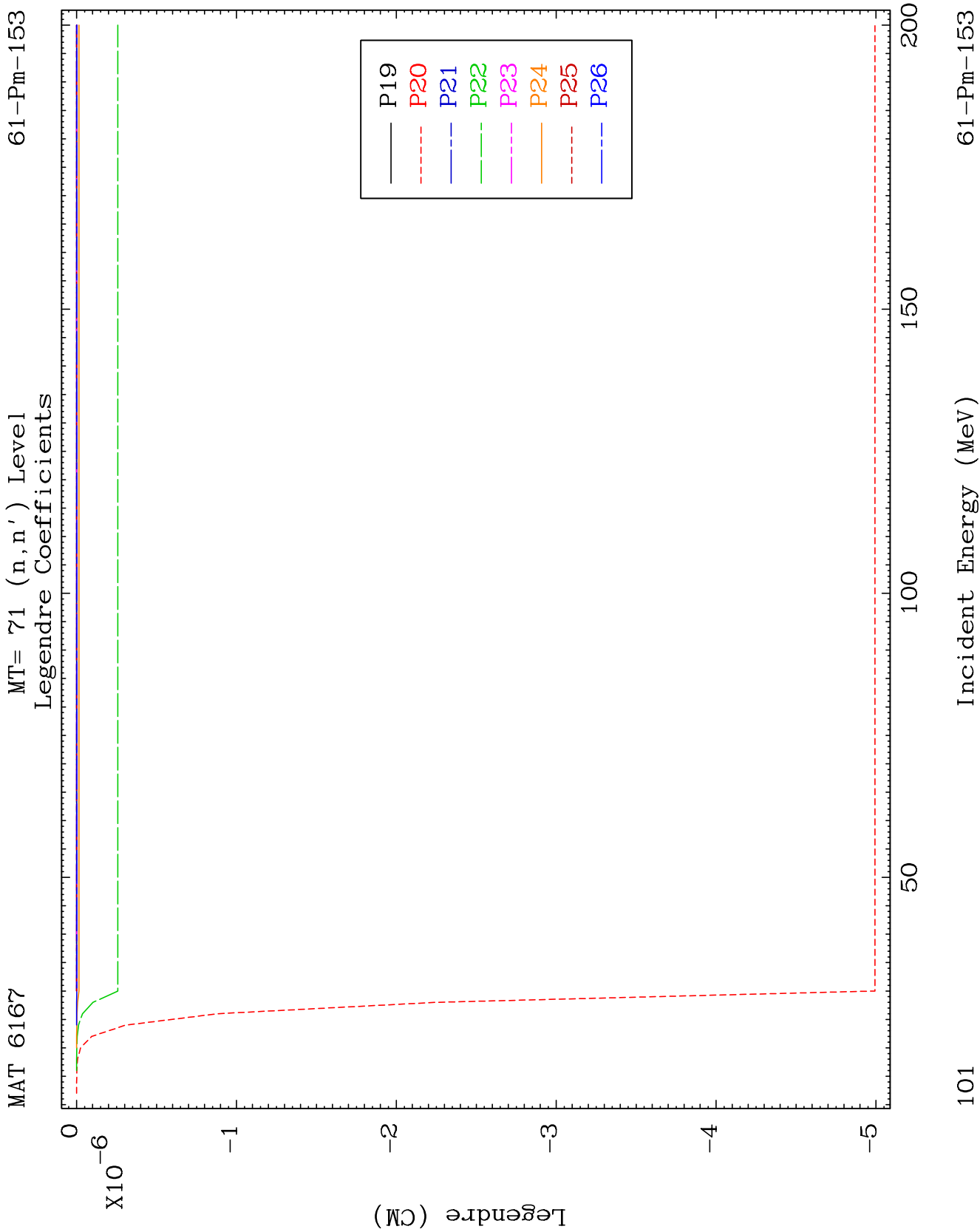
61-Pm-153

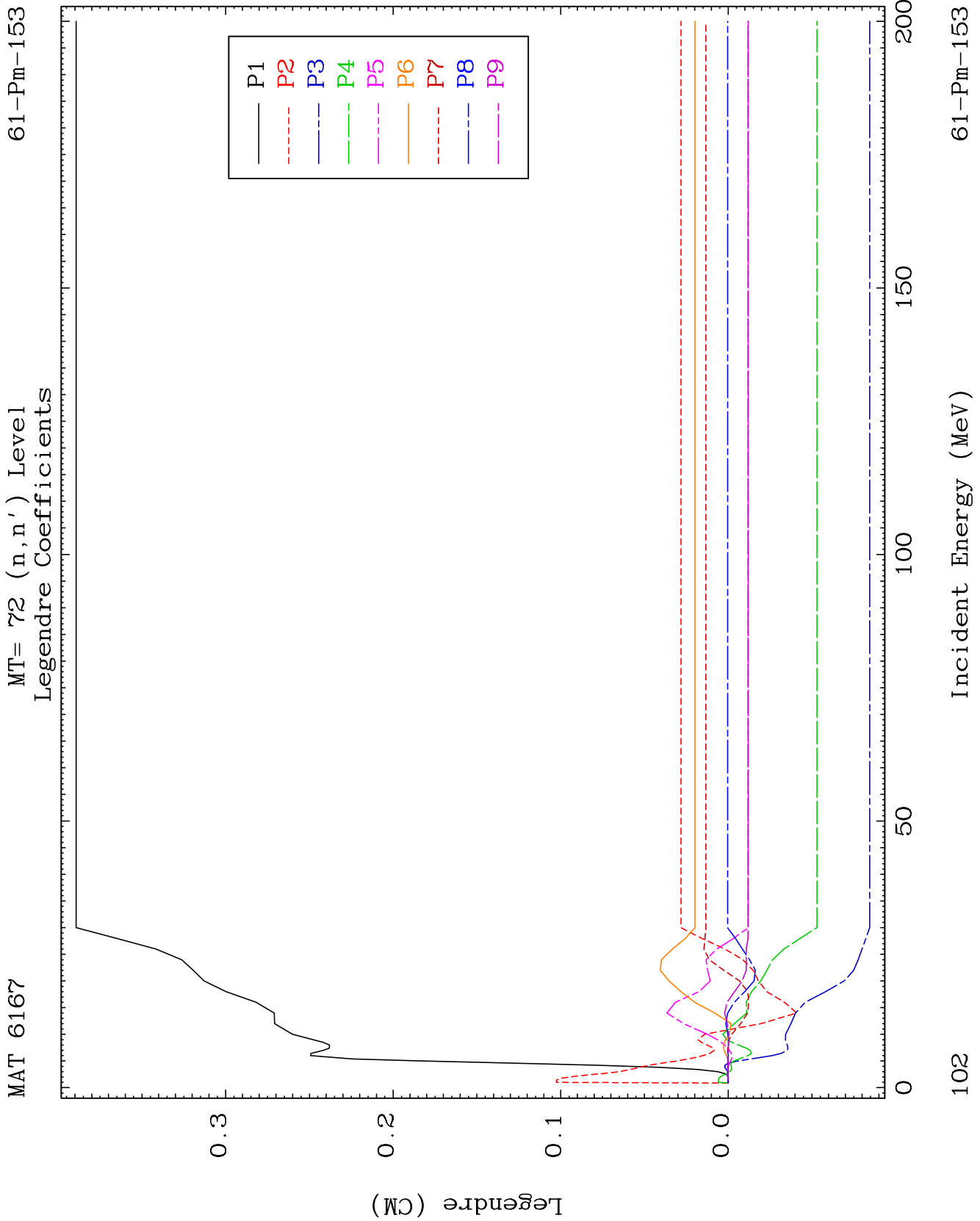
MAT 6167

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

61-Pm-153



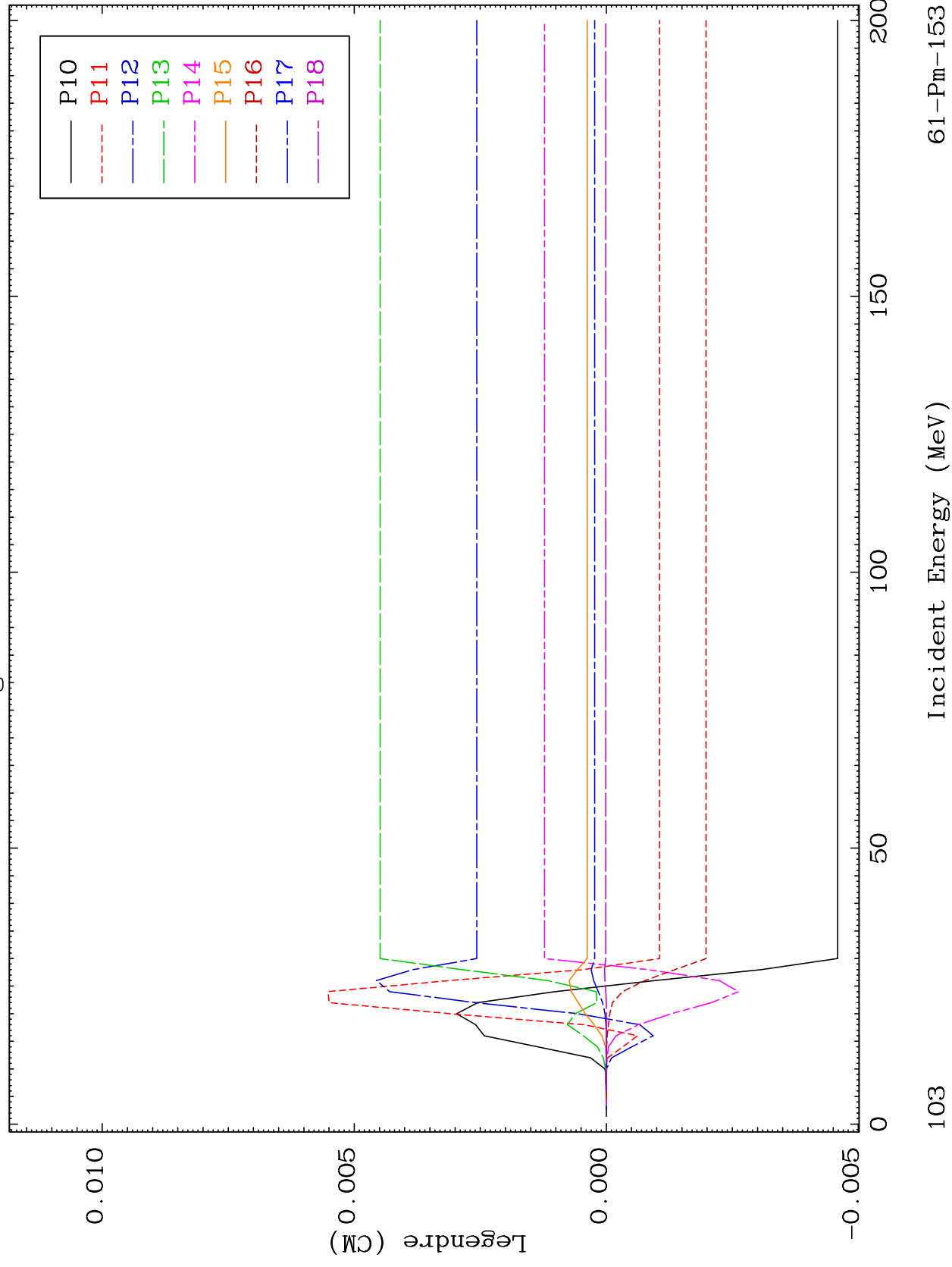




MAT 6167

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

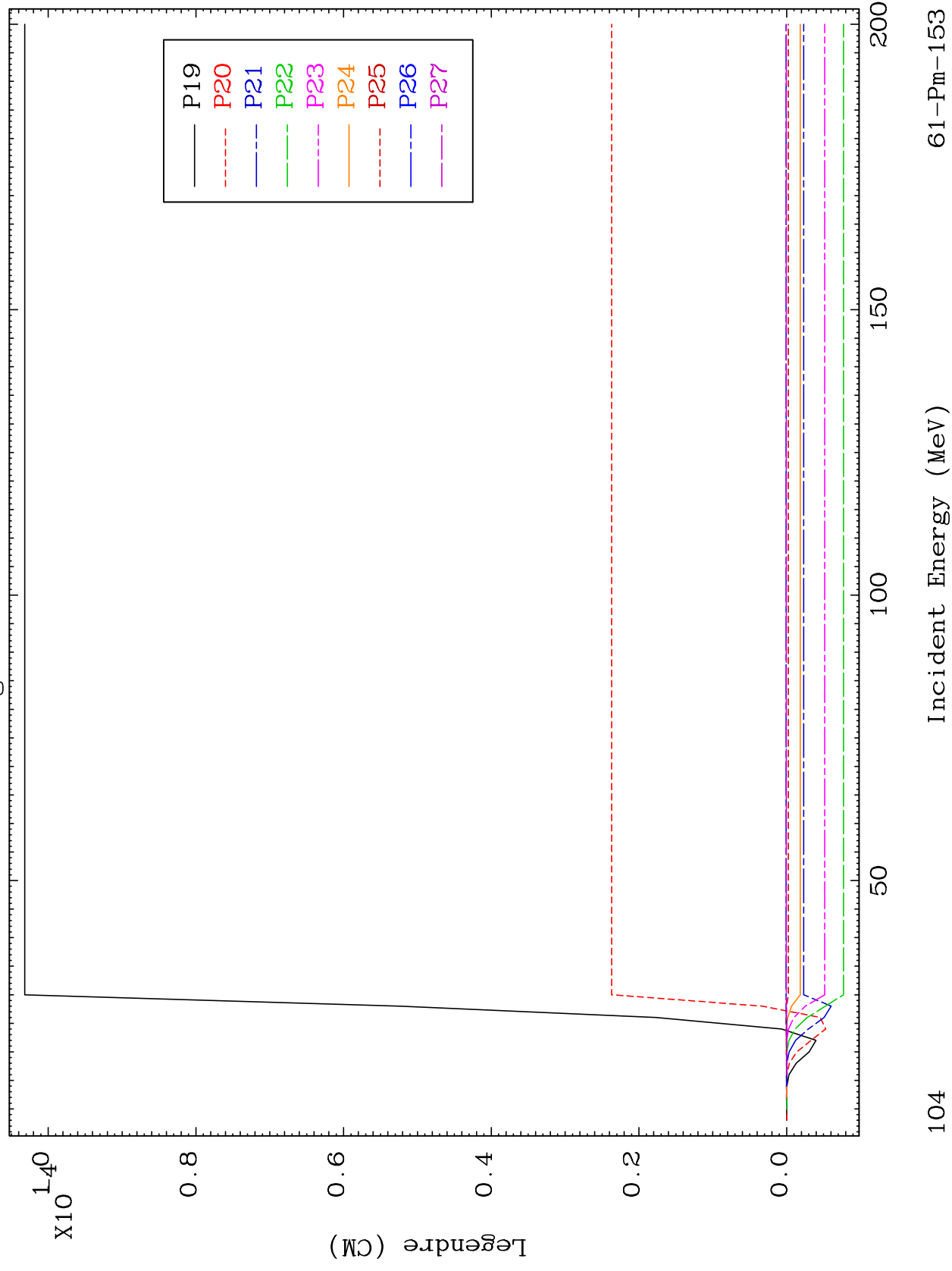
61-Pm-153

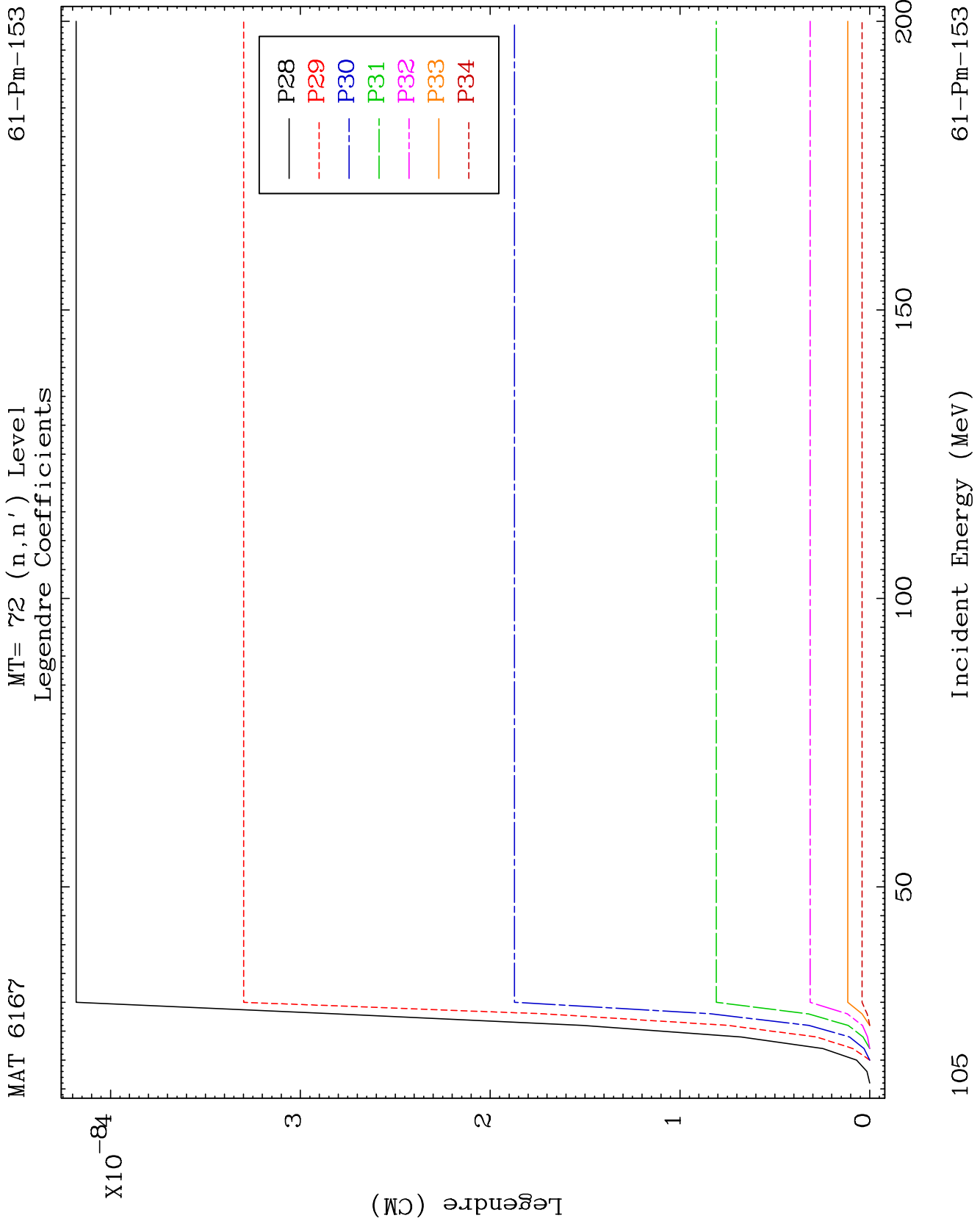


MAT 6167

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

61-Pm-153

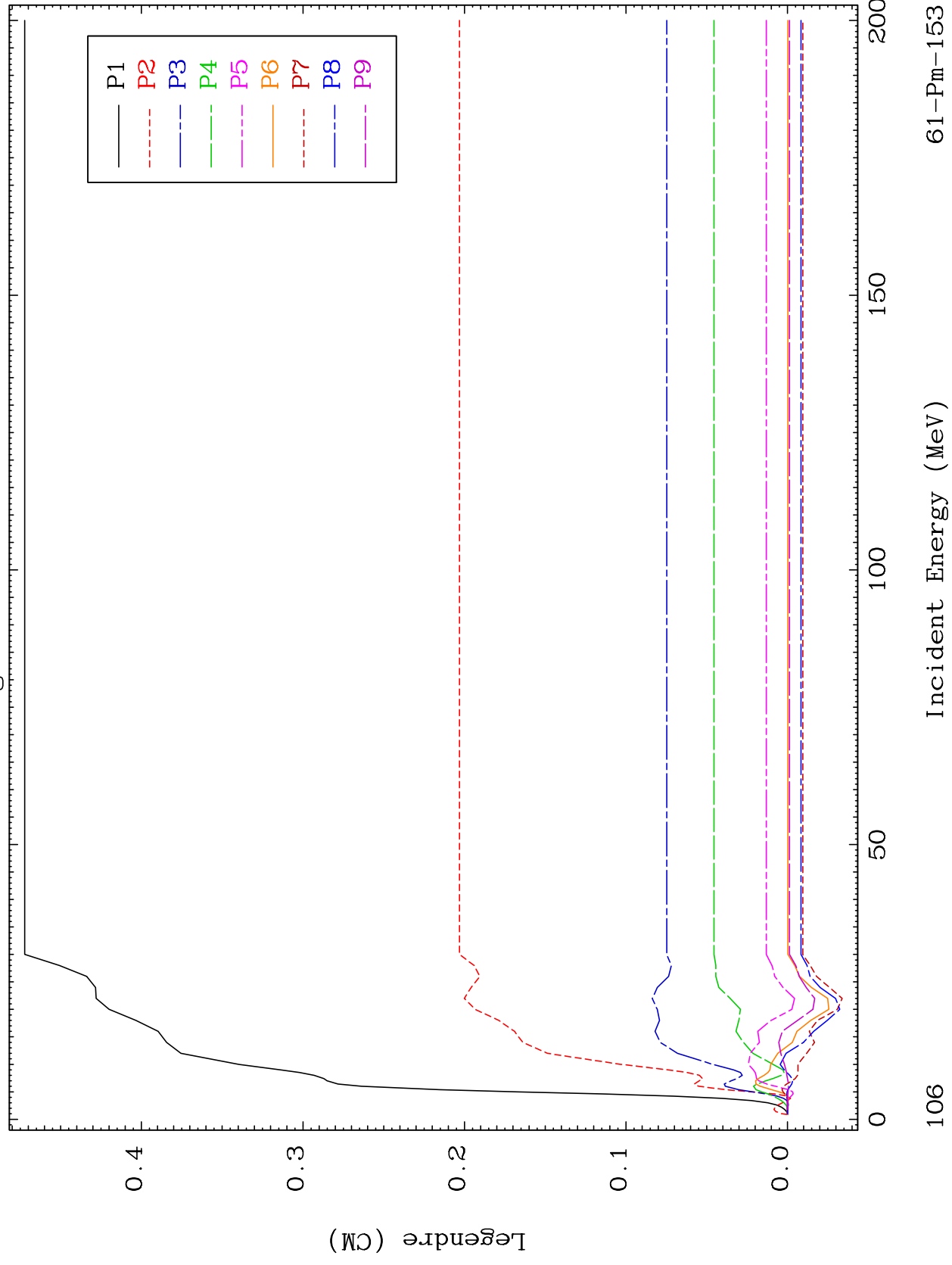




MAT 6167

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

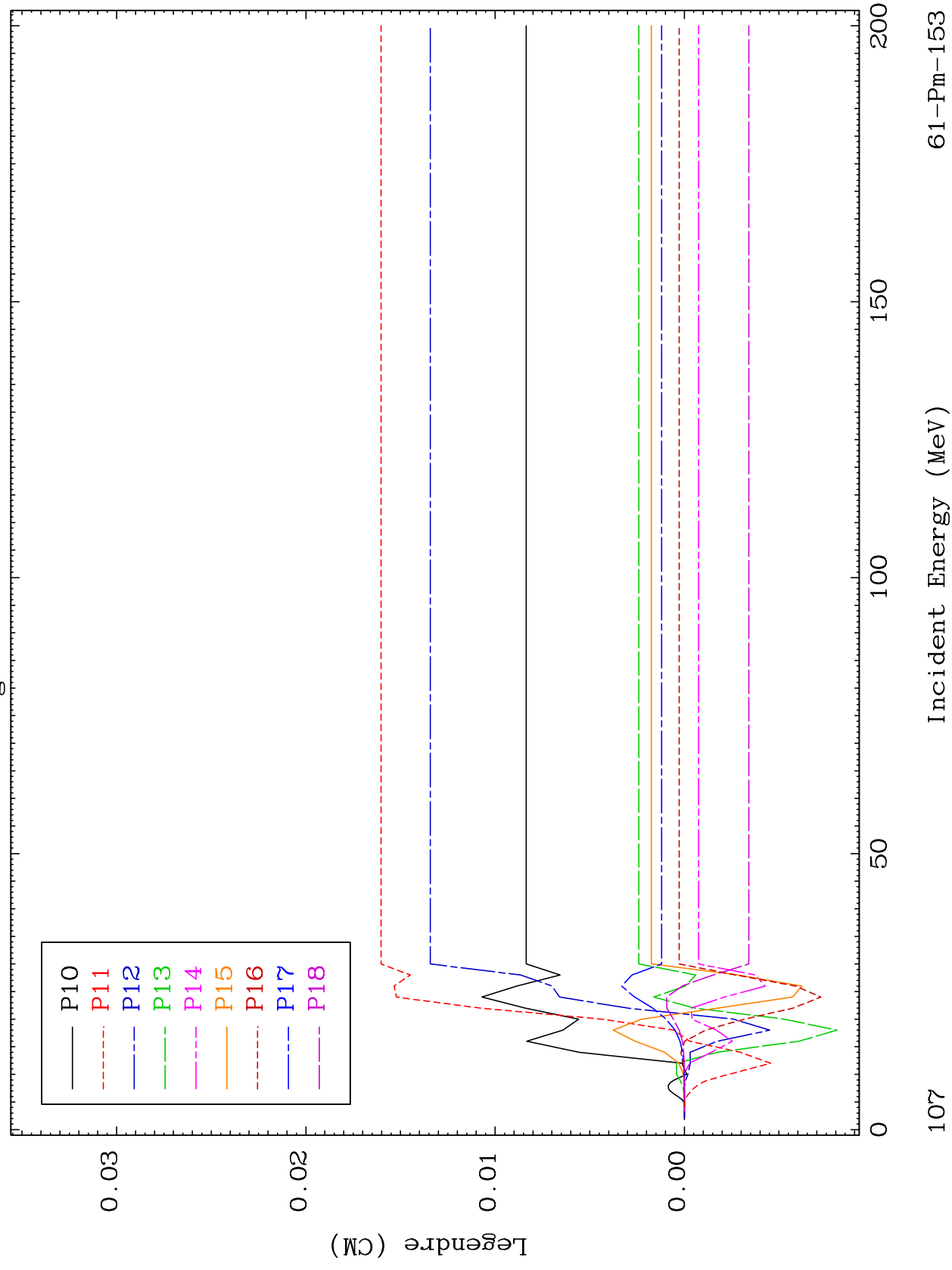
61-Pm-153

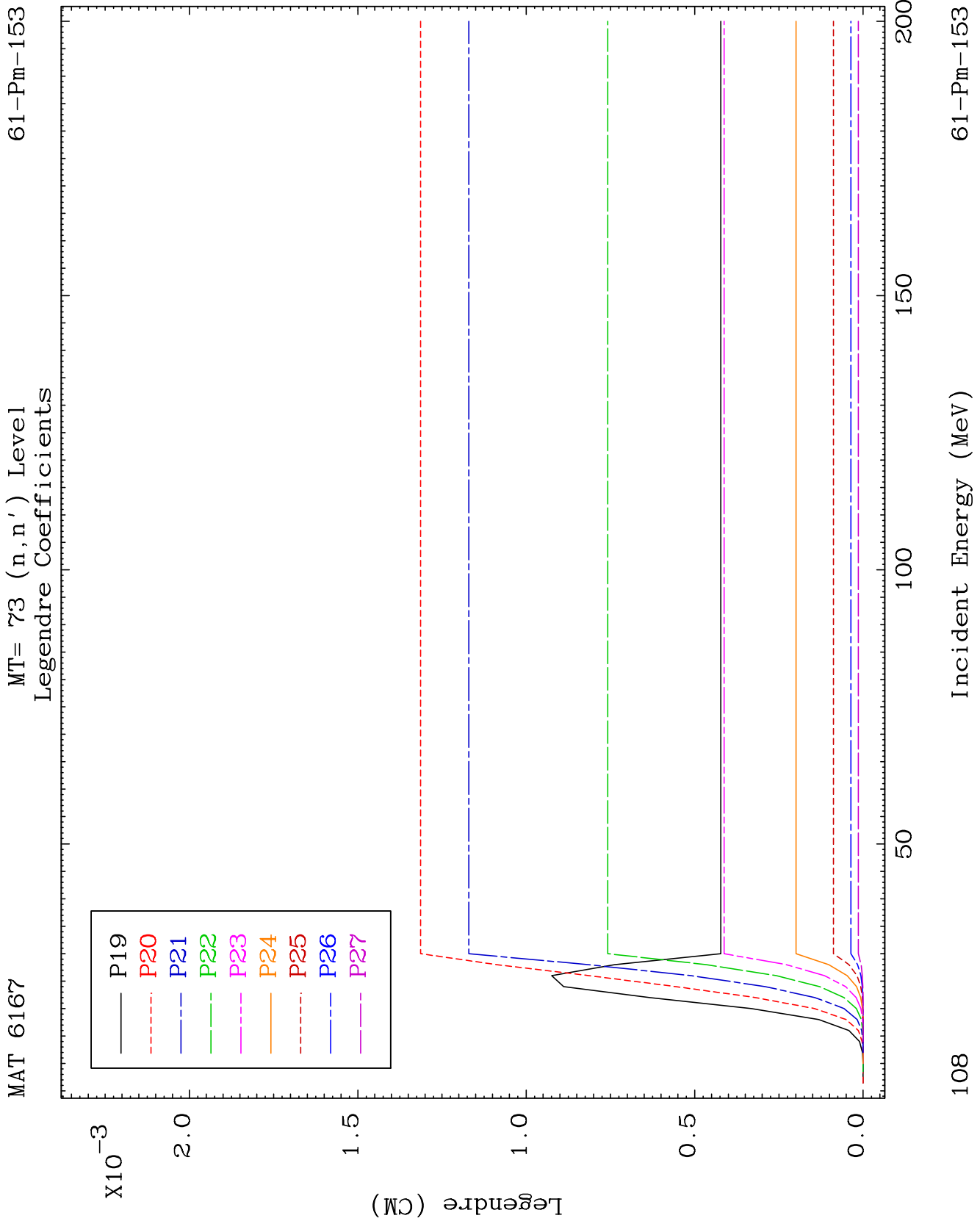


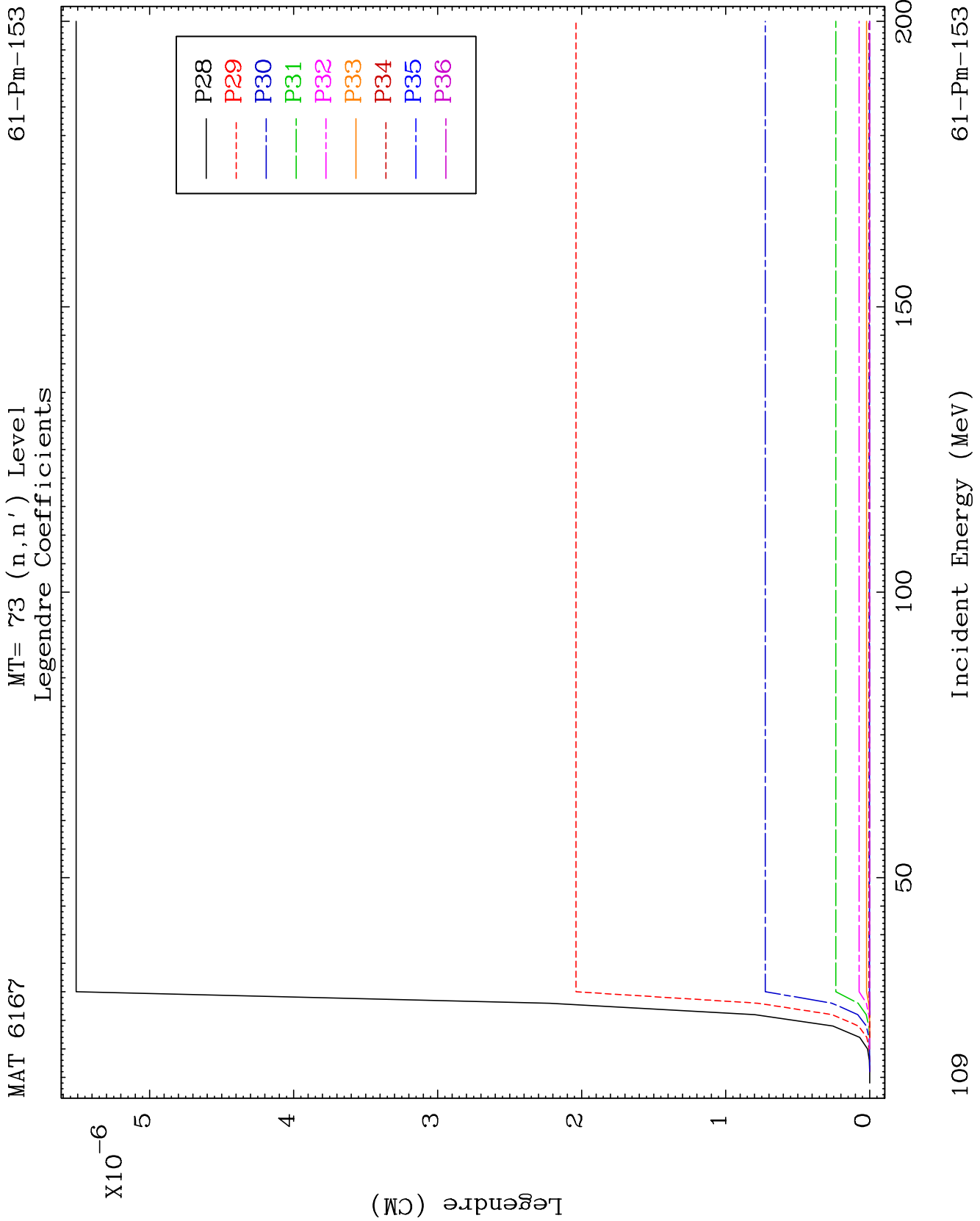
MAT 6167

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

61-Pm-153



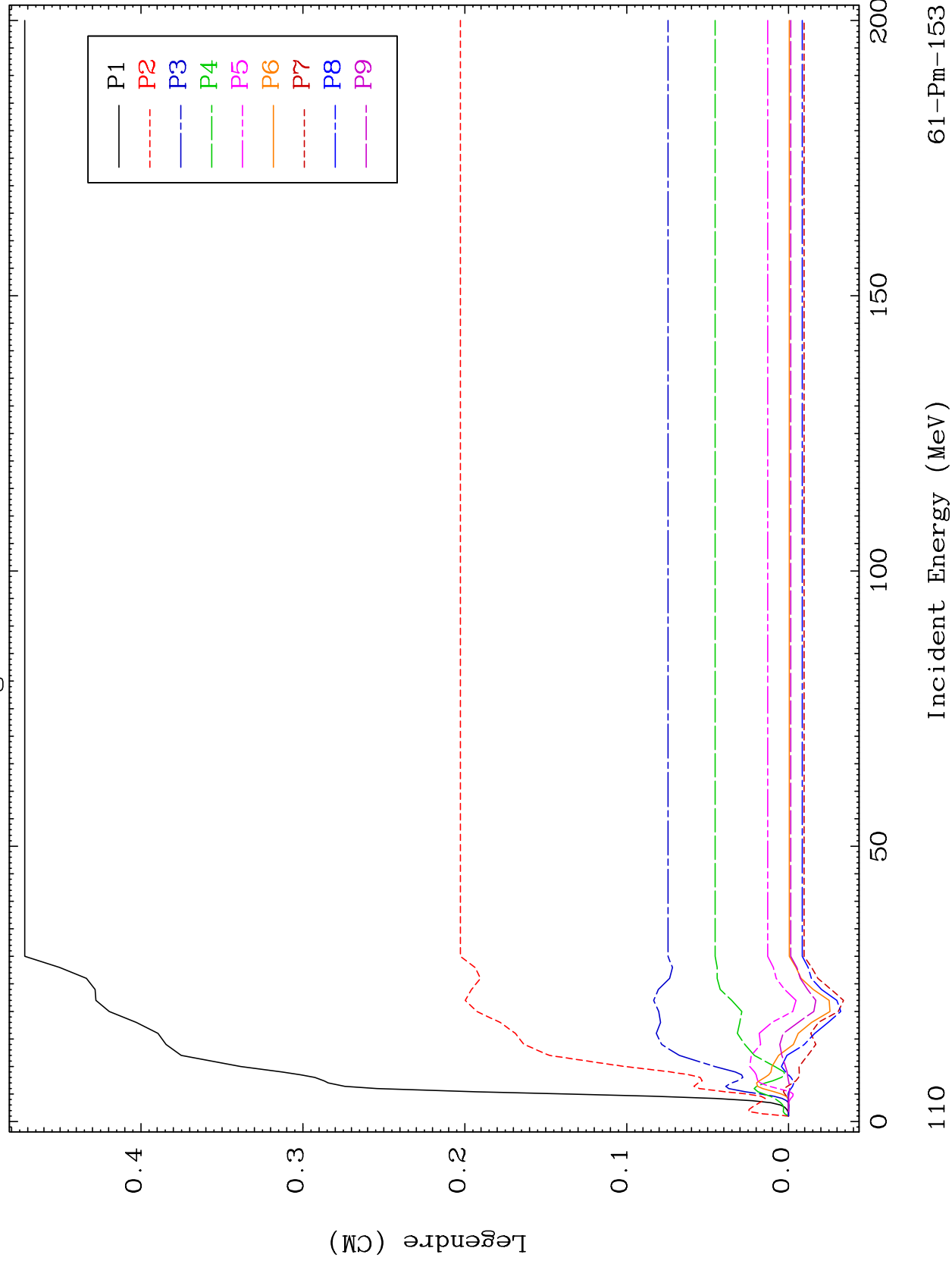




MAT 6167

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

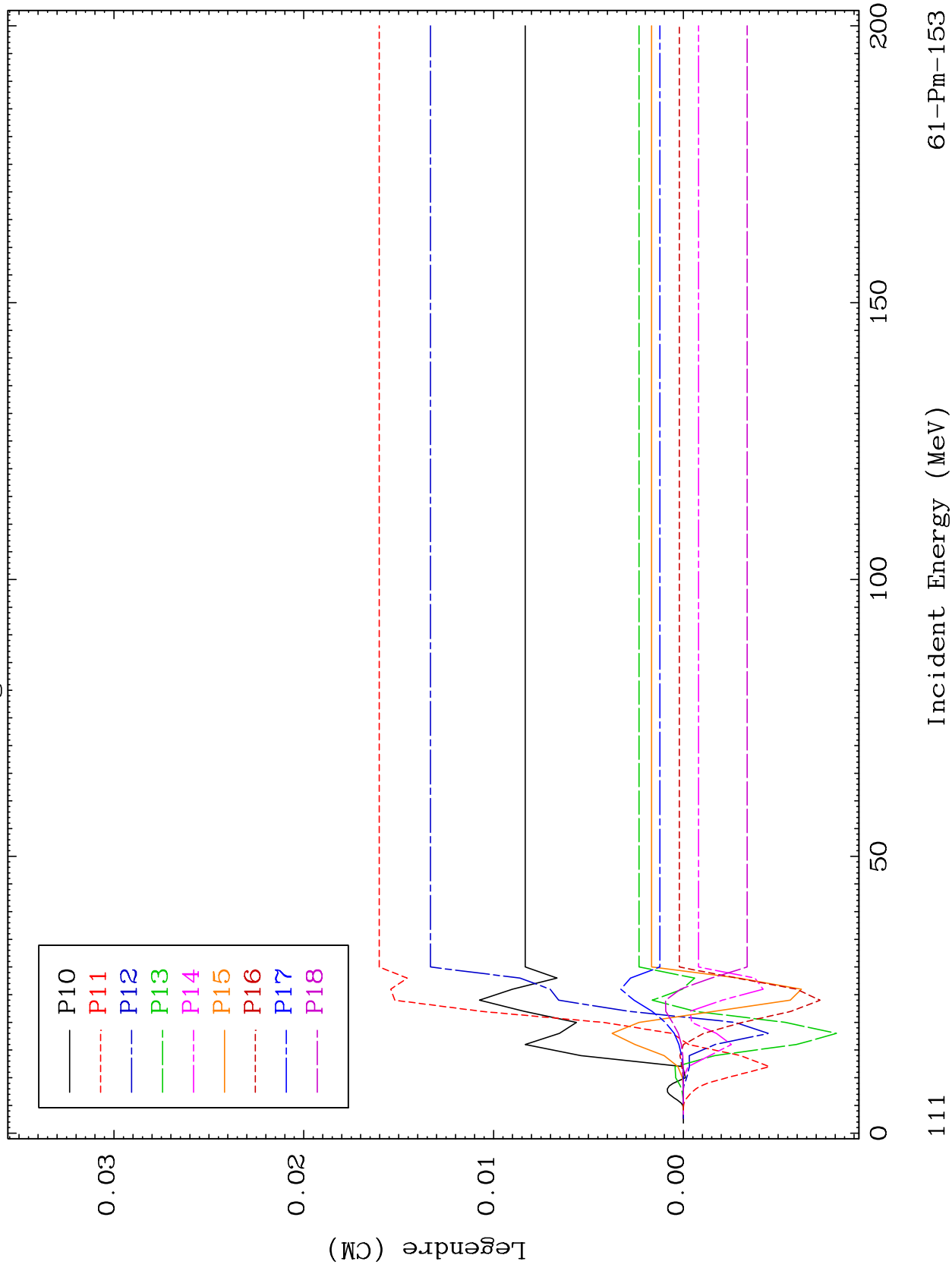
61-Pm-153

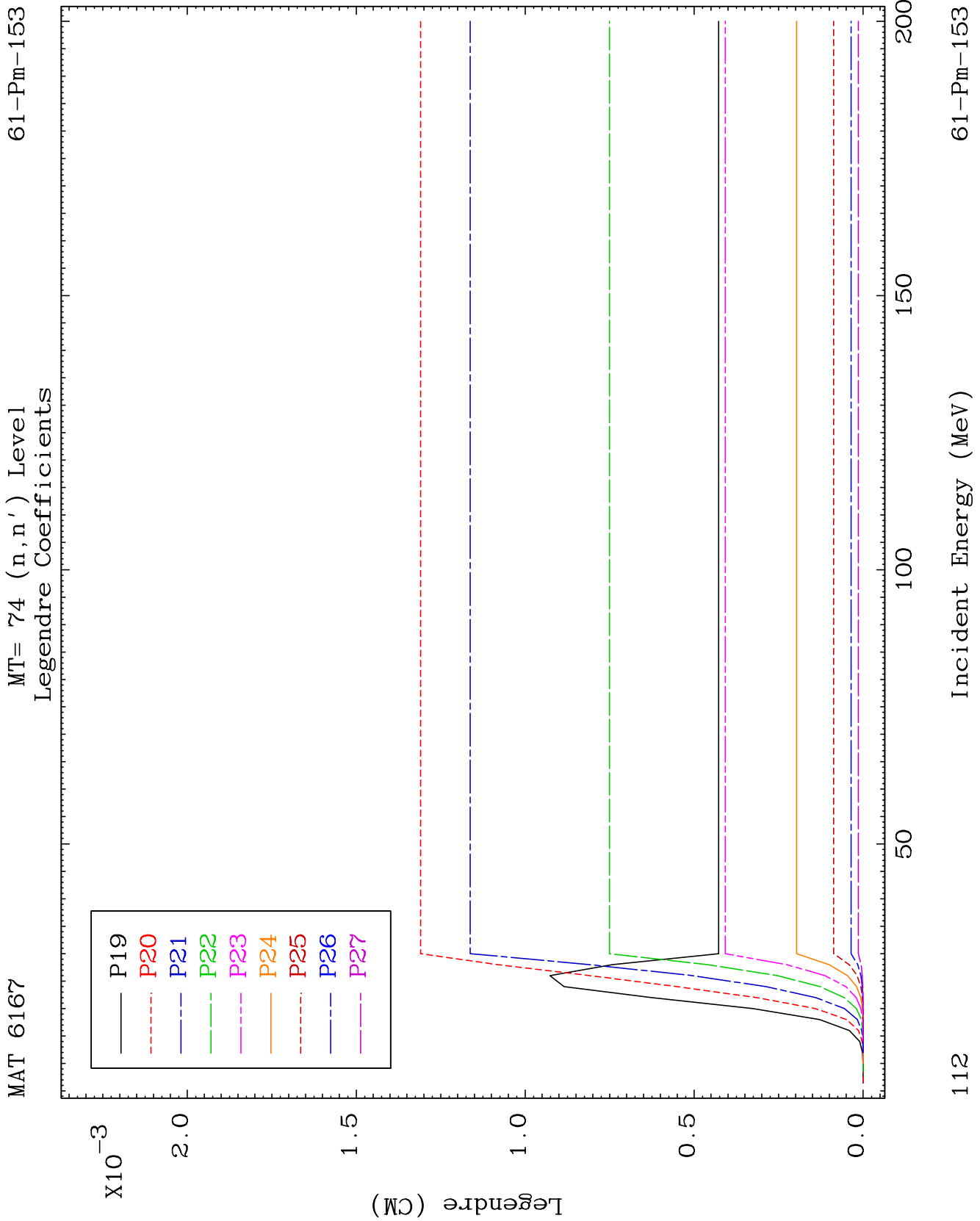


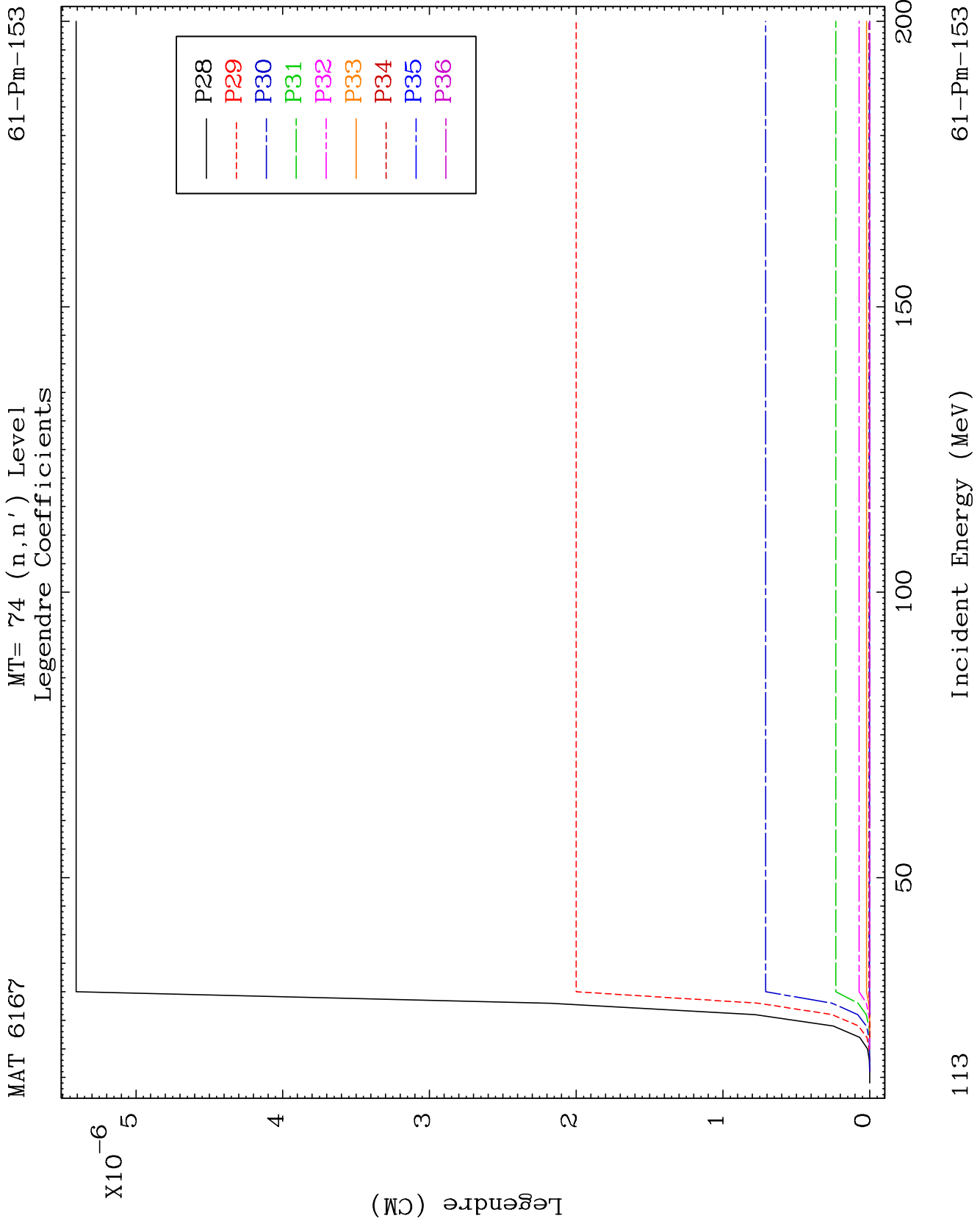
MAT 6167

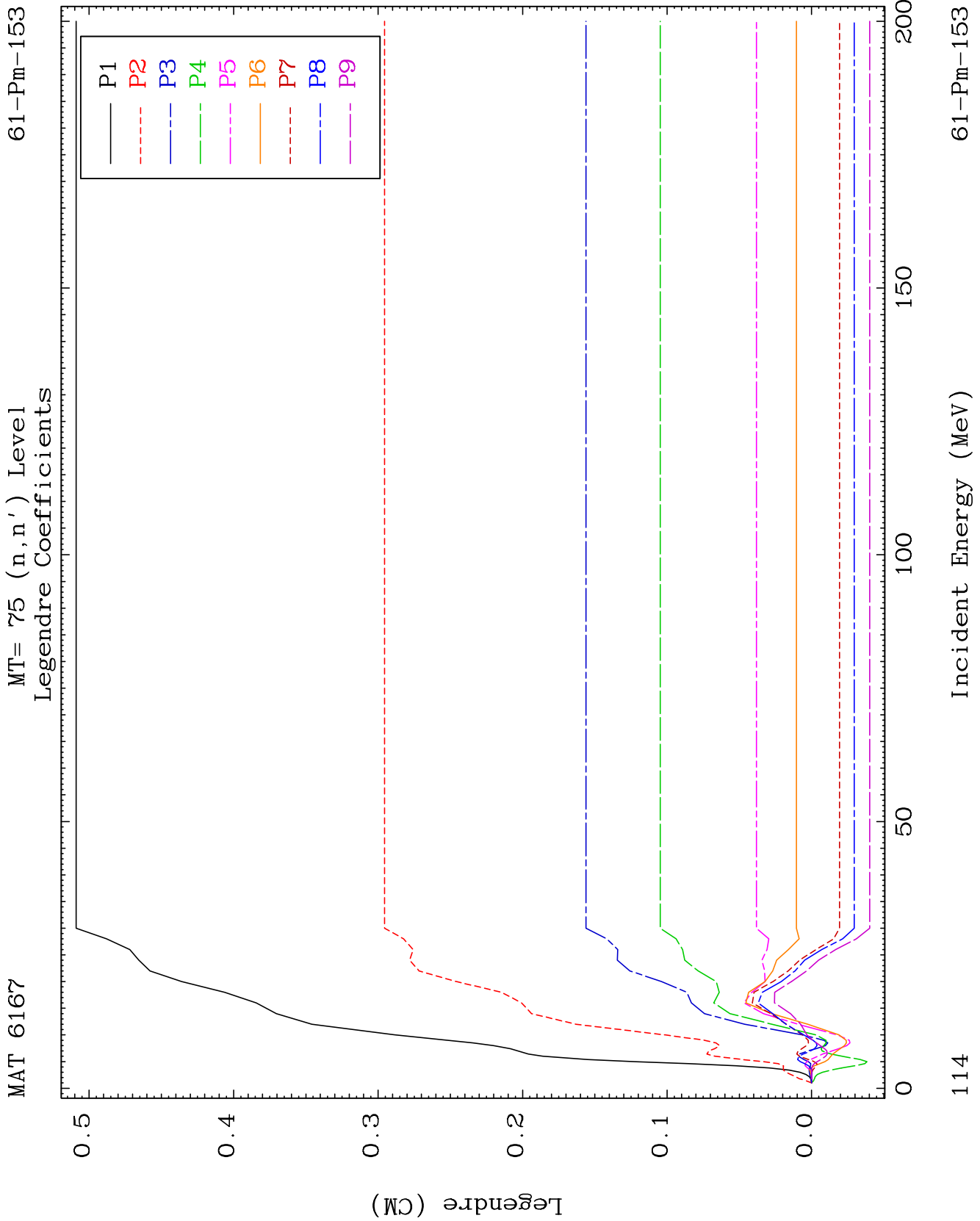
MT= 74 (n, n') Level
Legendre Coefficients

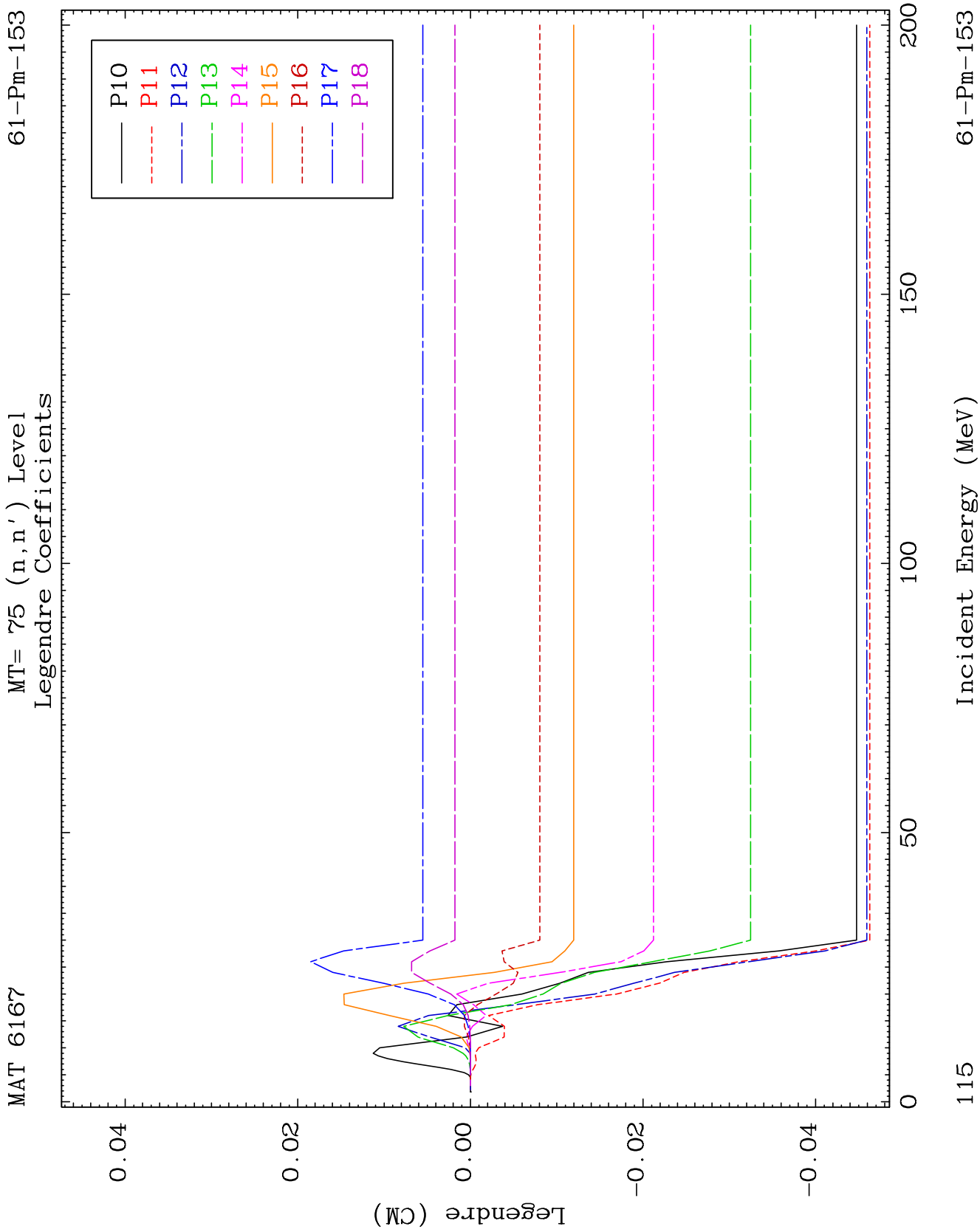
61-Pm-153

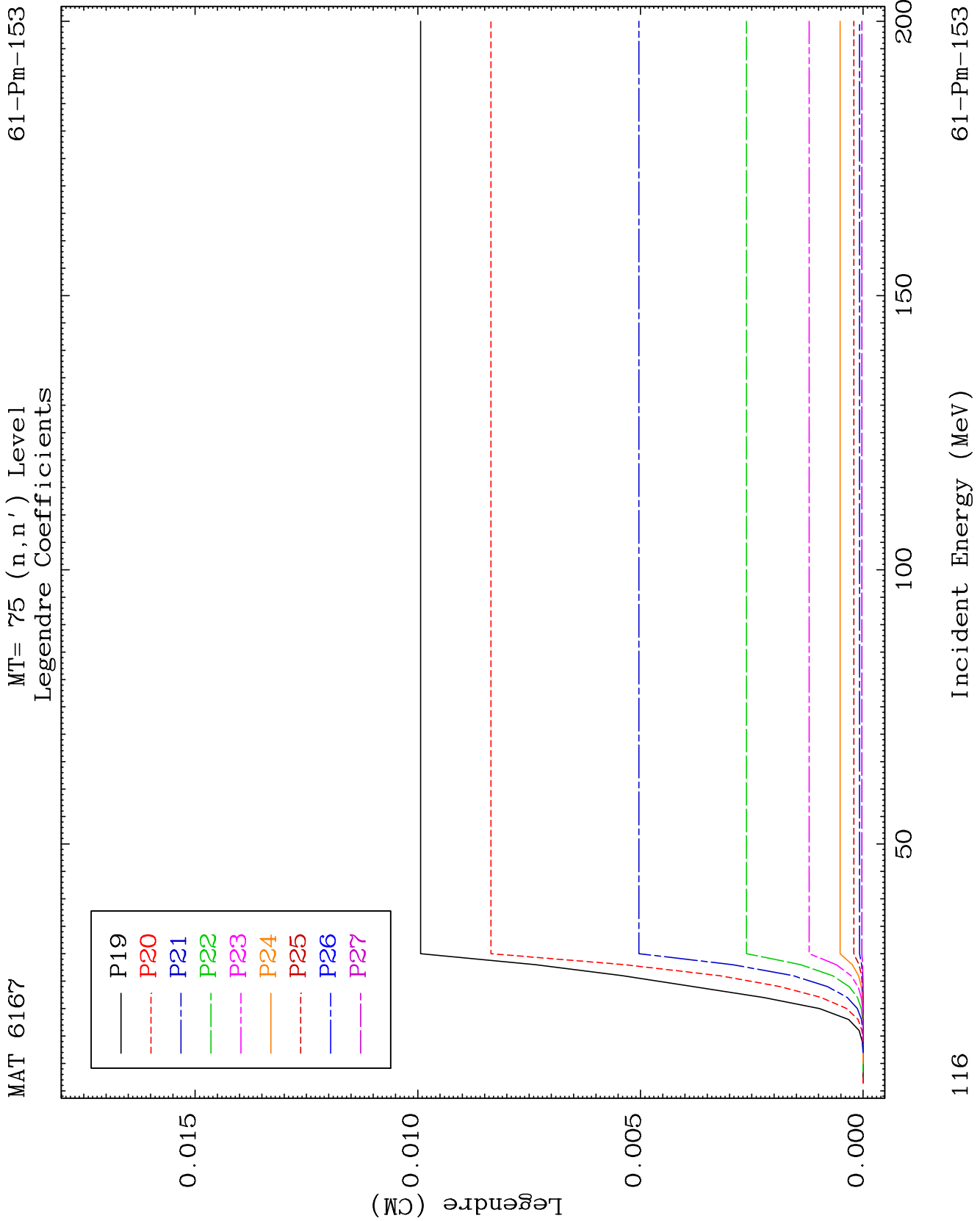


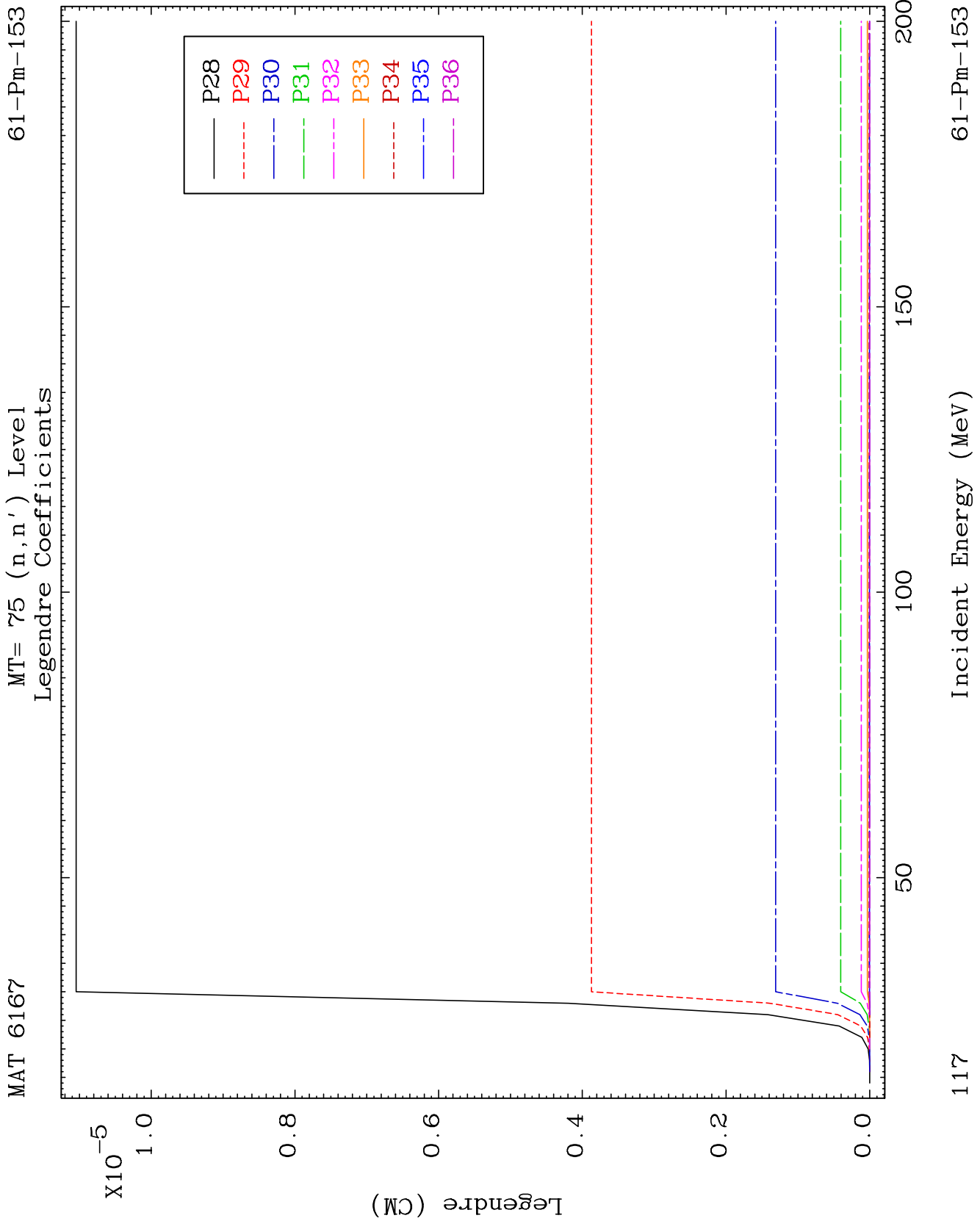








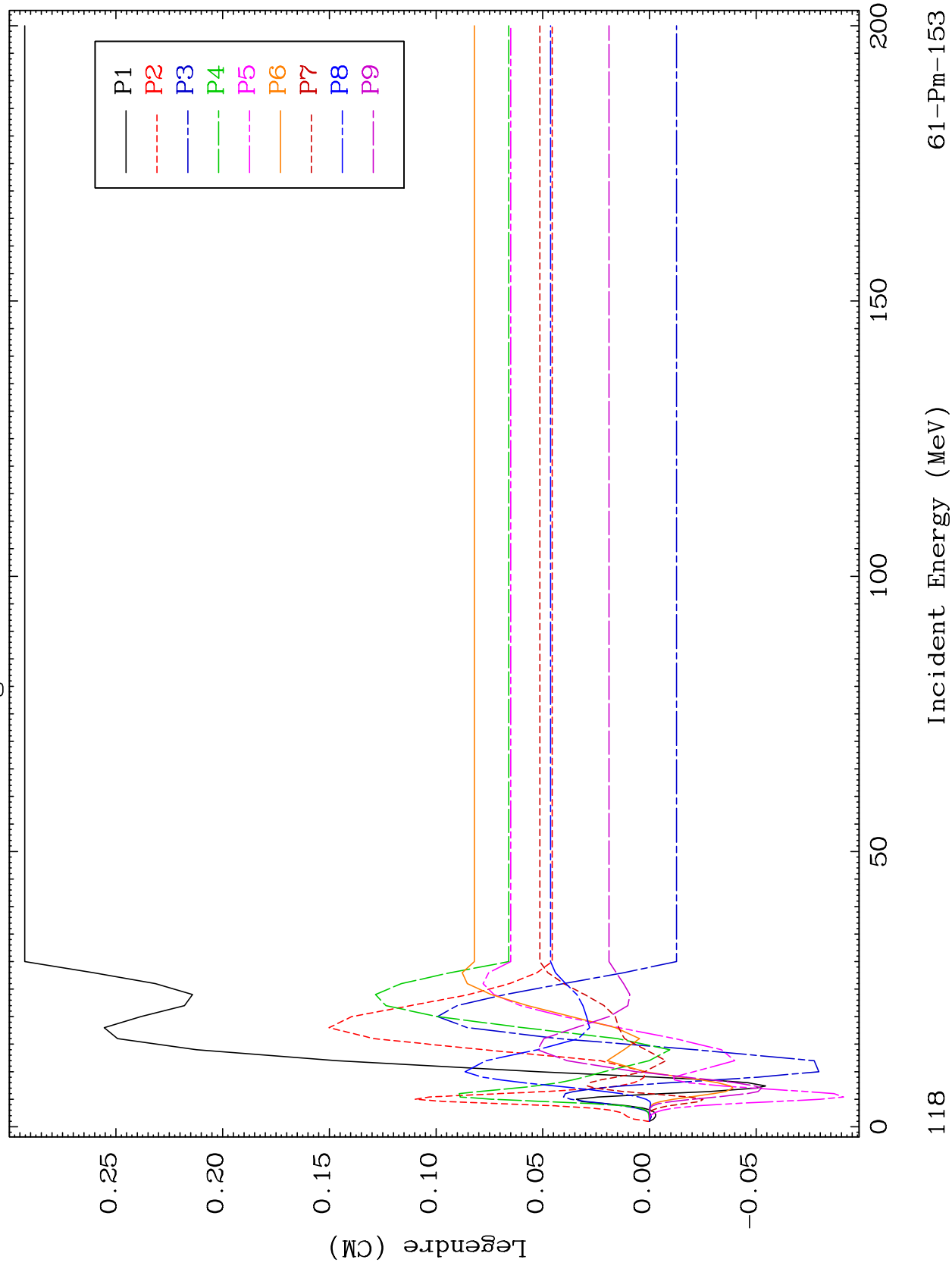


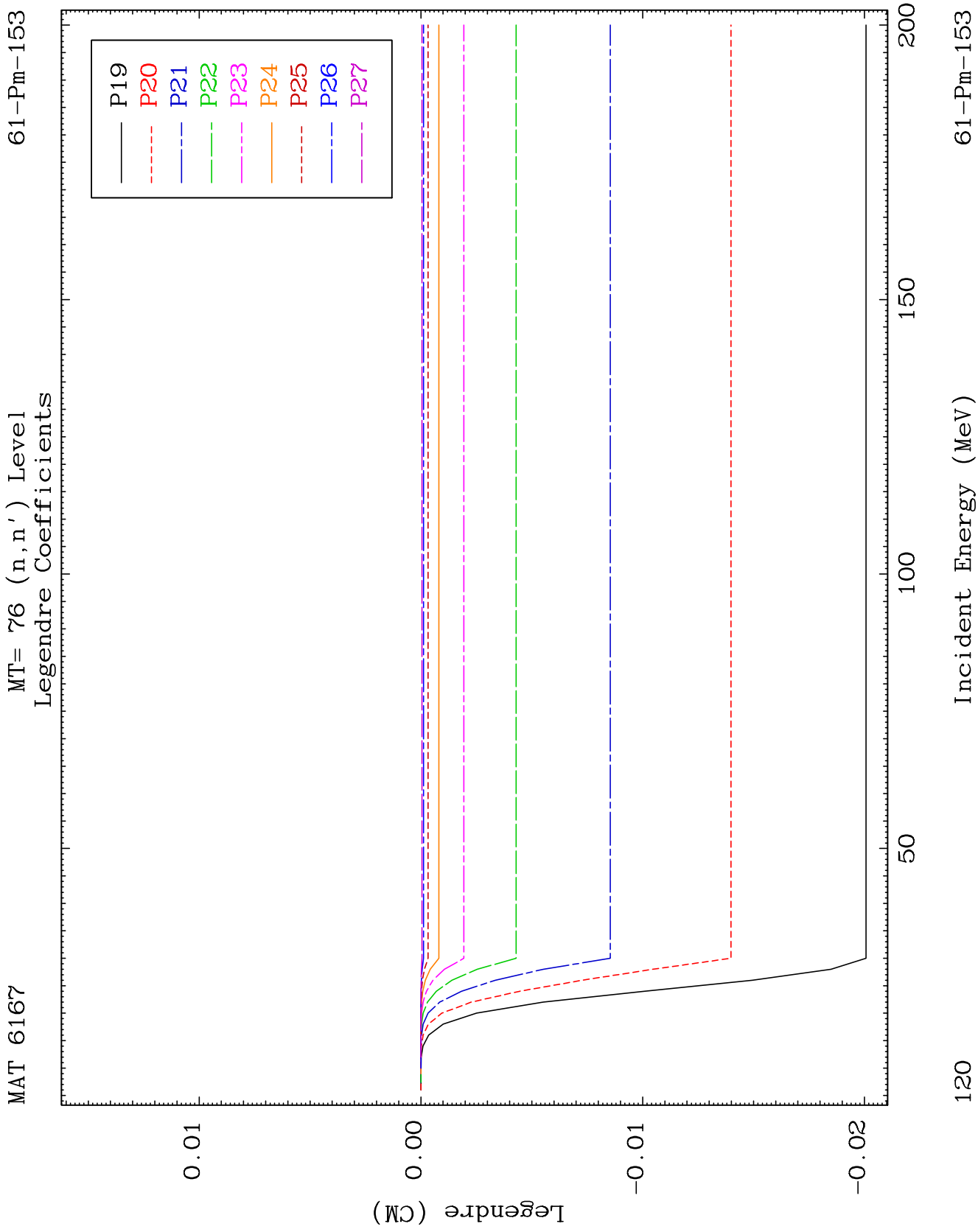


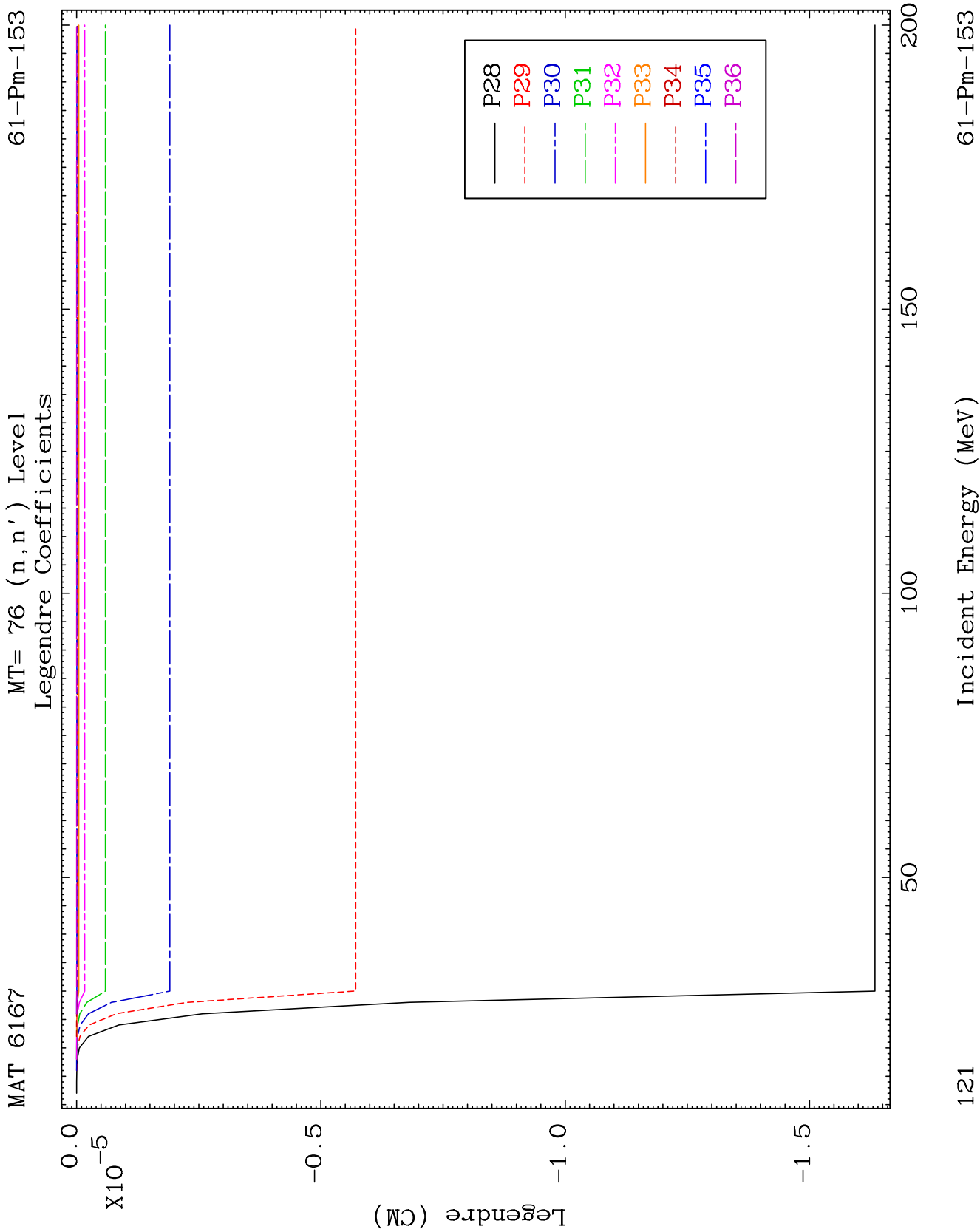
MAT 6167

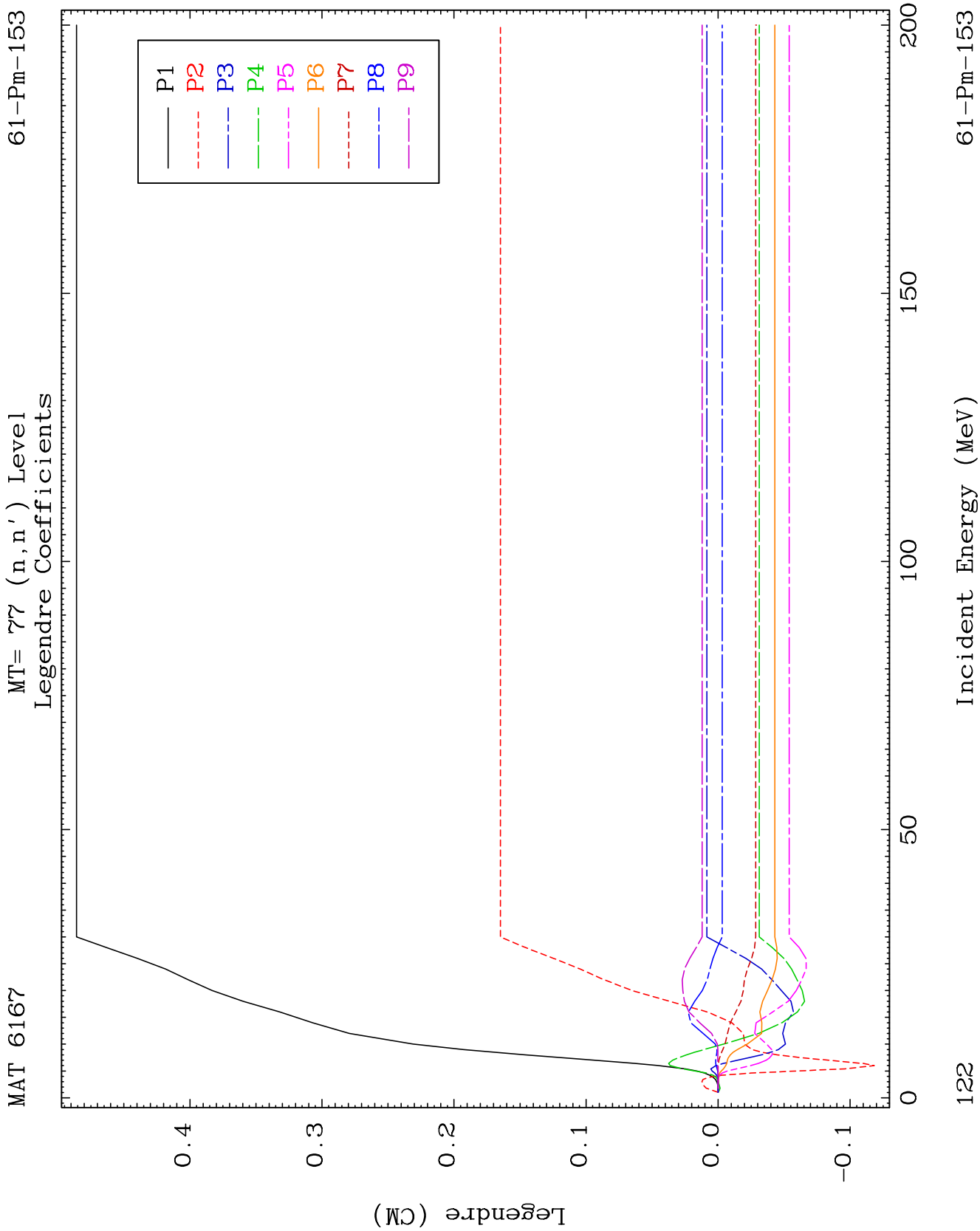
MT= 76 (n, n') Level
Legendre Coefficients

61-Pm-153





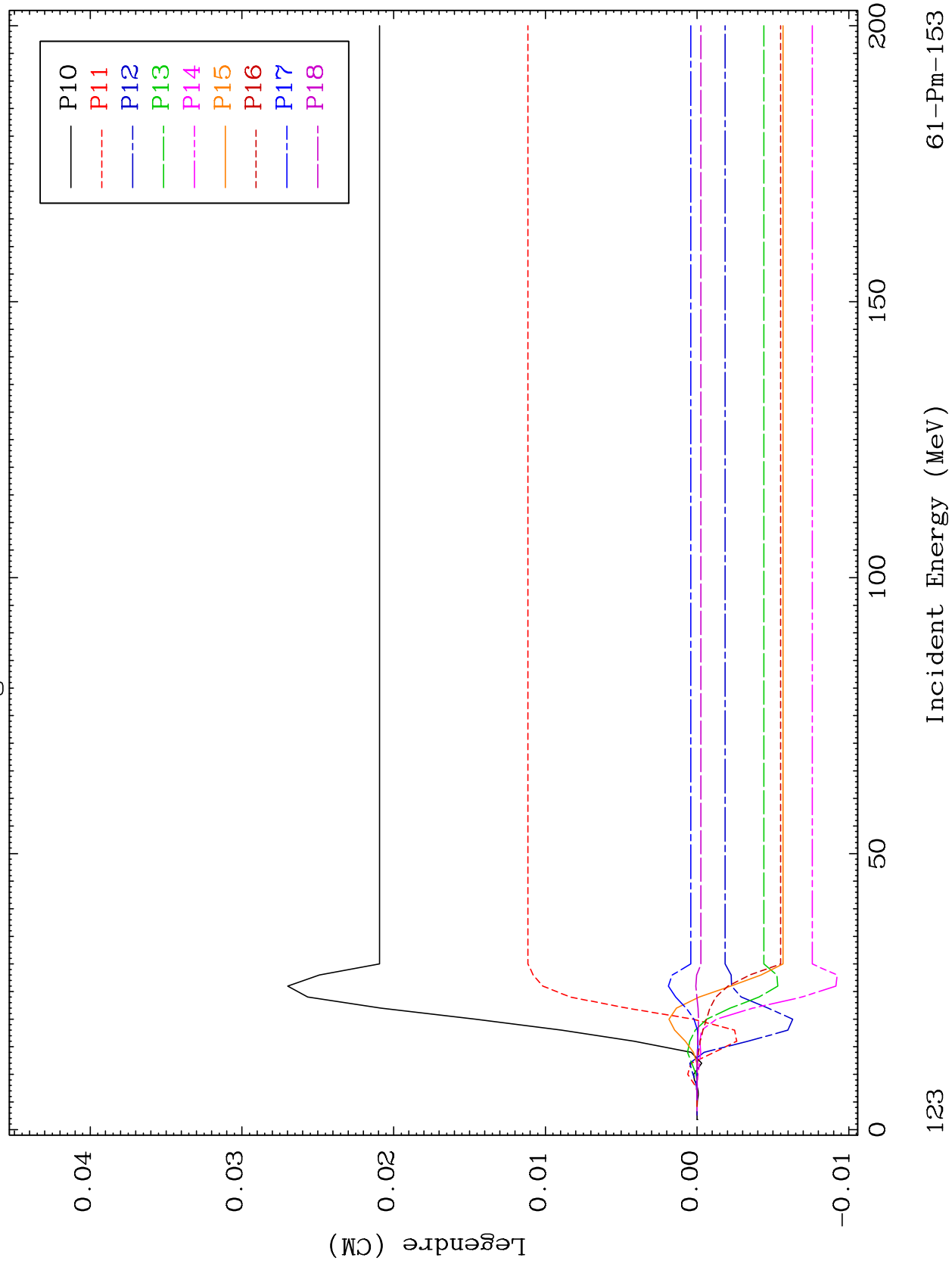


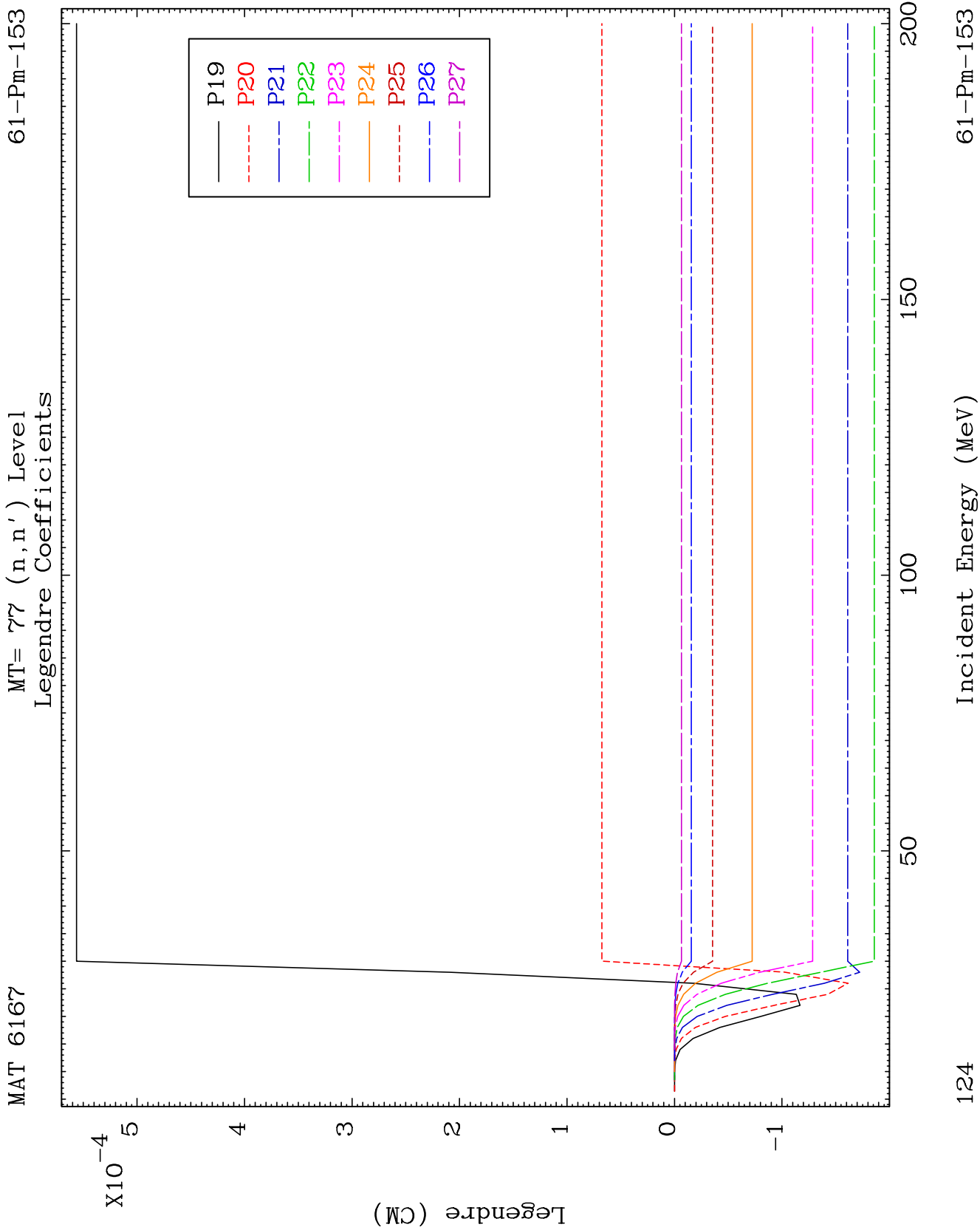


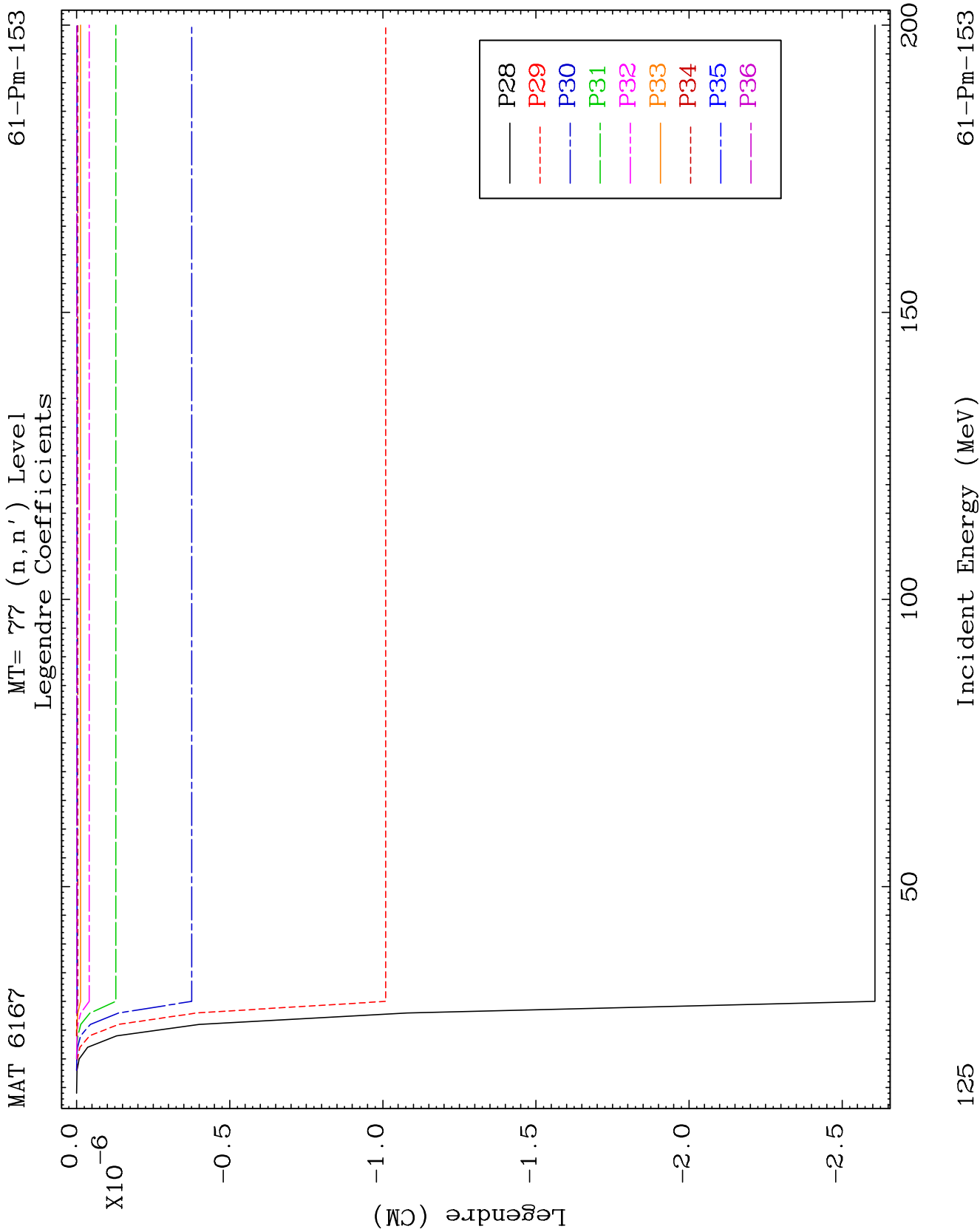
MAT 6167

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

61-Pm-153



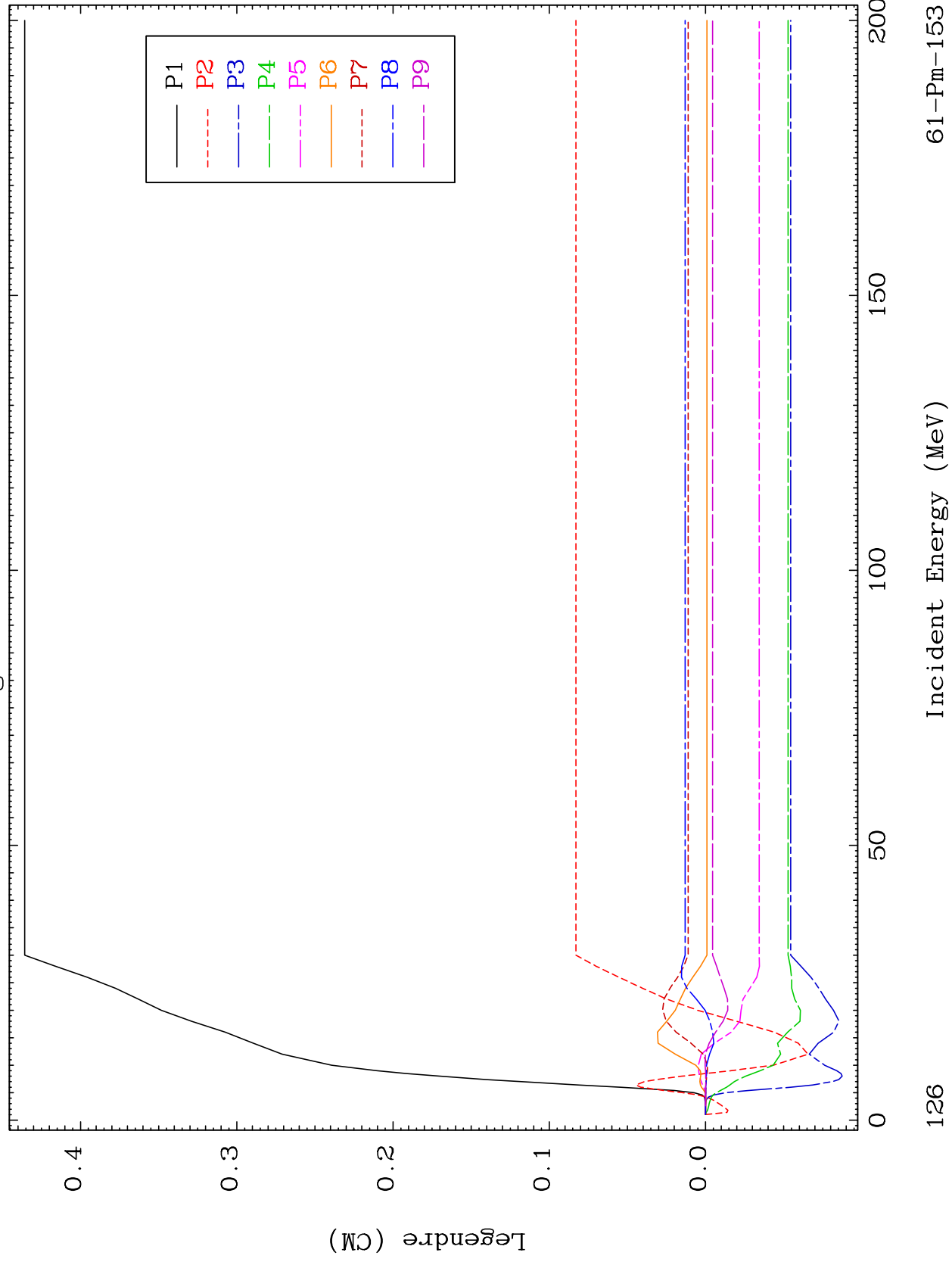


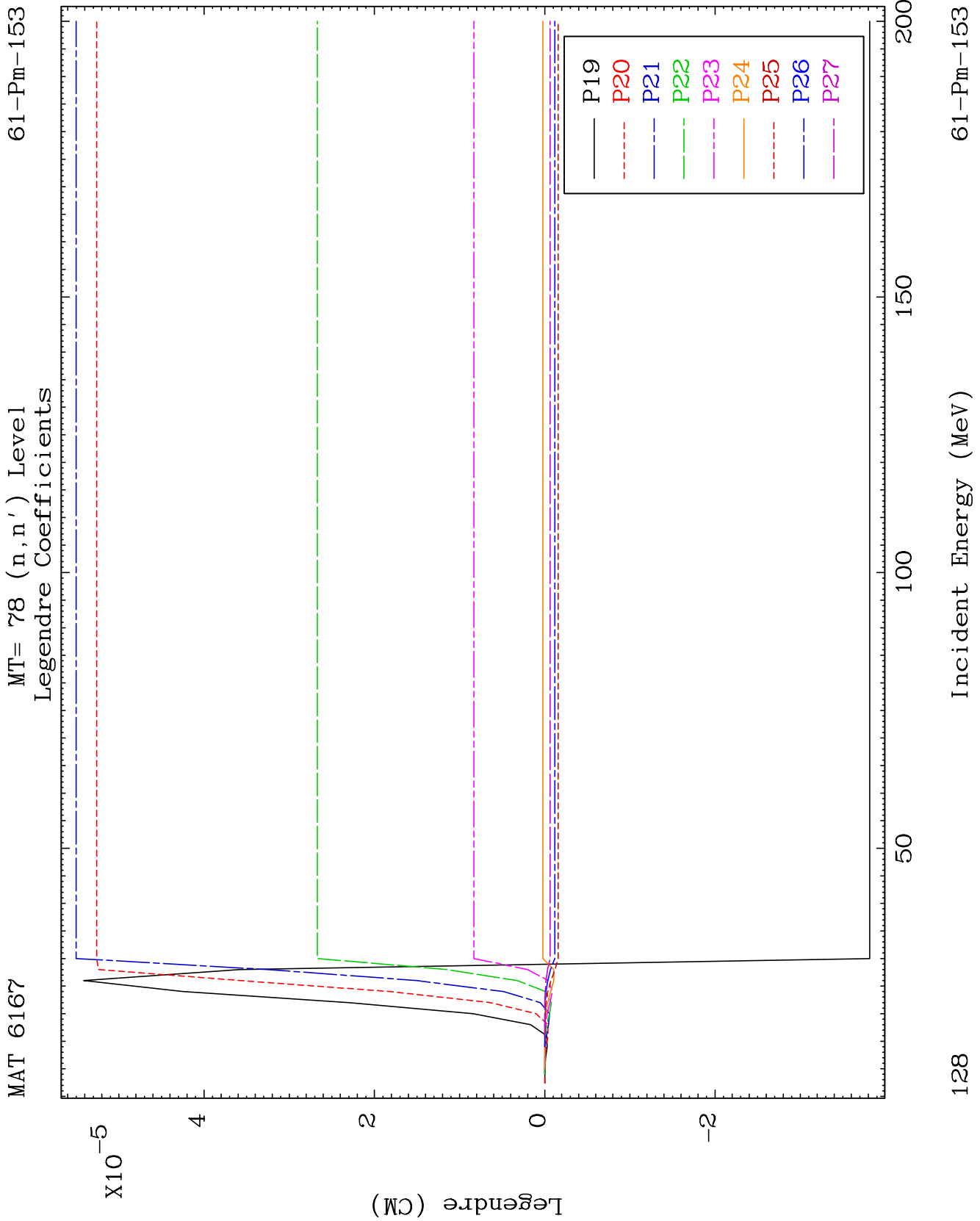


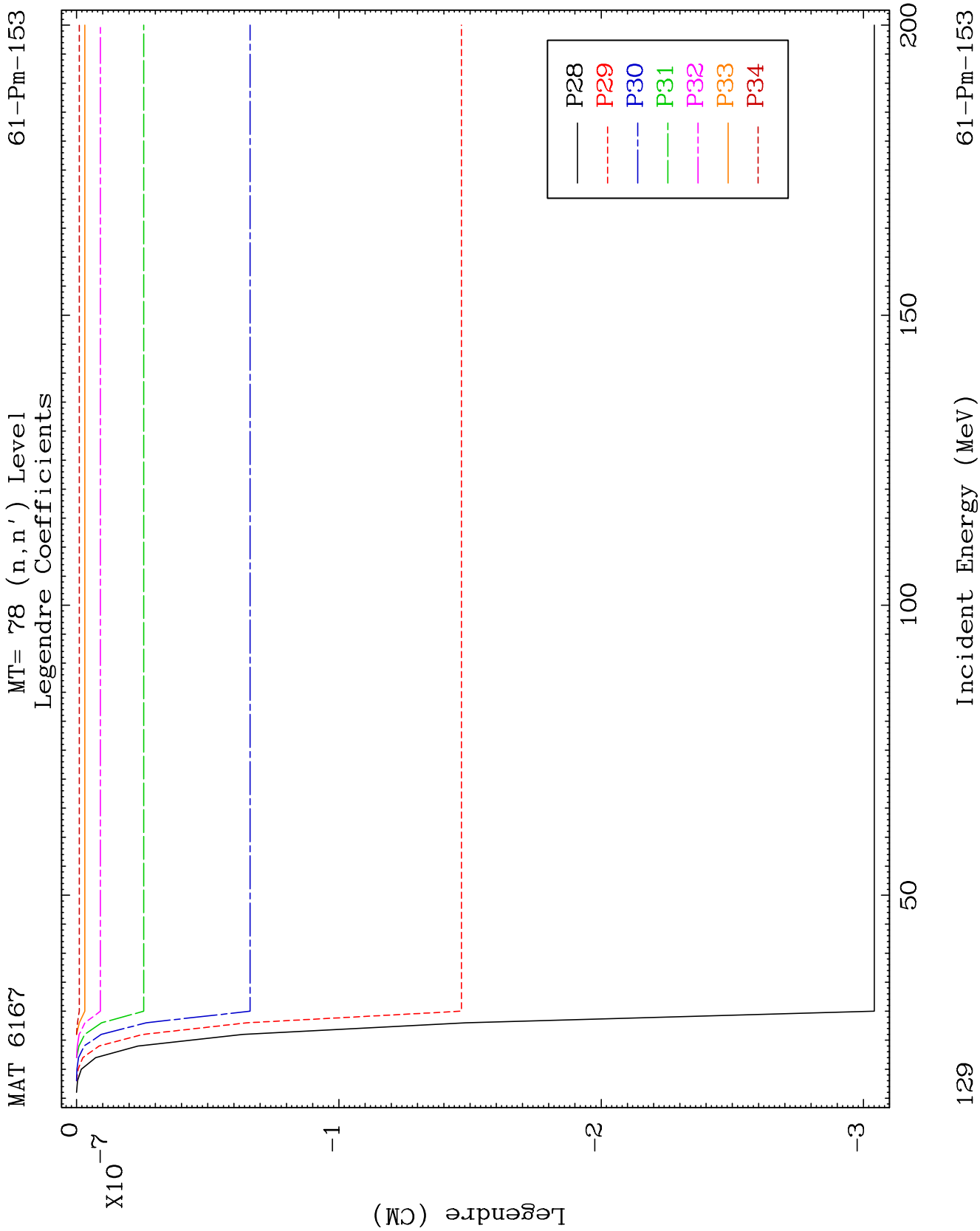
MAT 6167

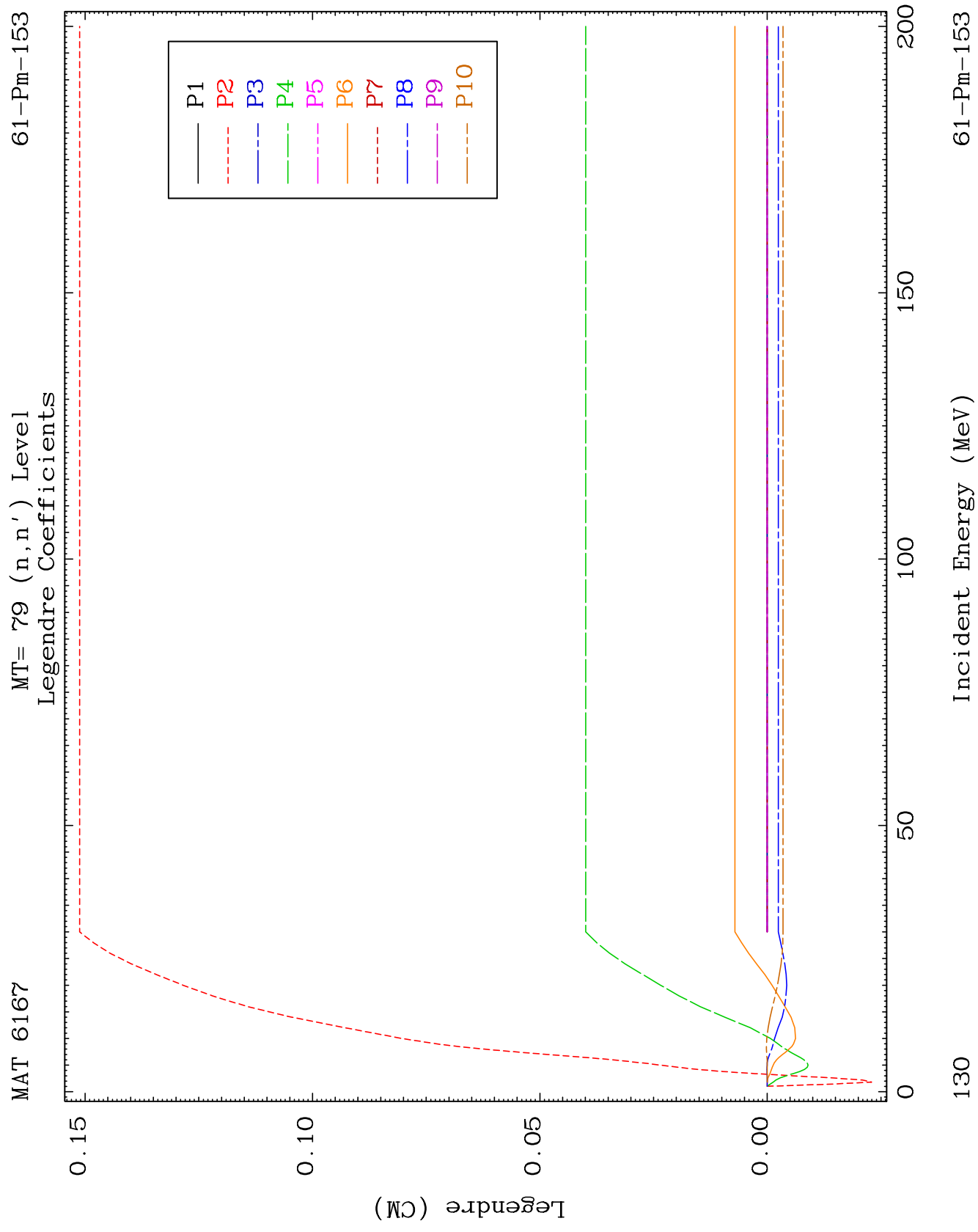
MT= 78 (n, n') Level
Legendre Coefficients

61-Pm-153





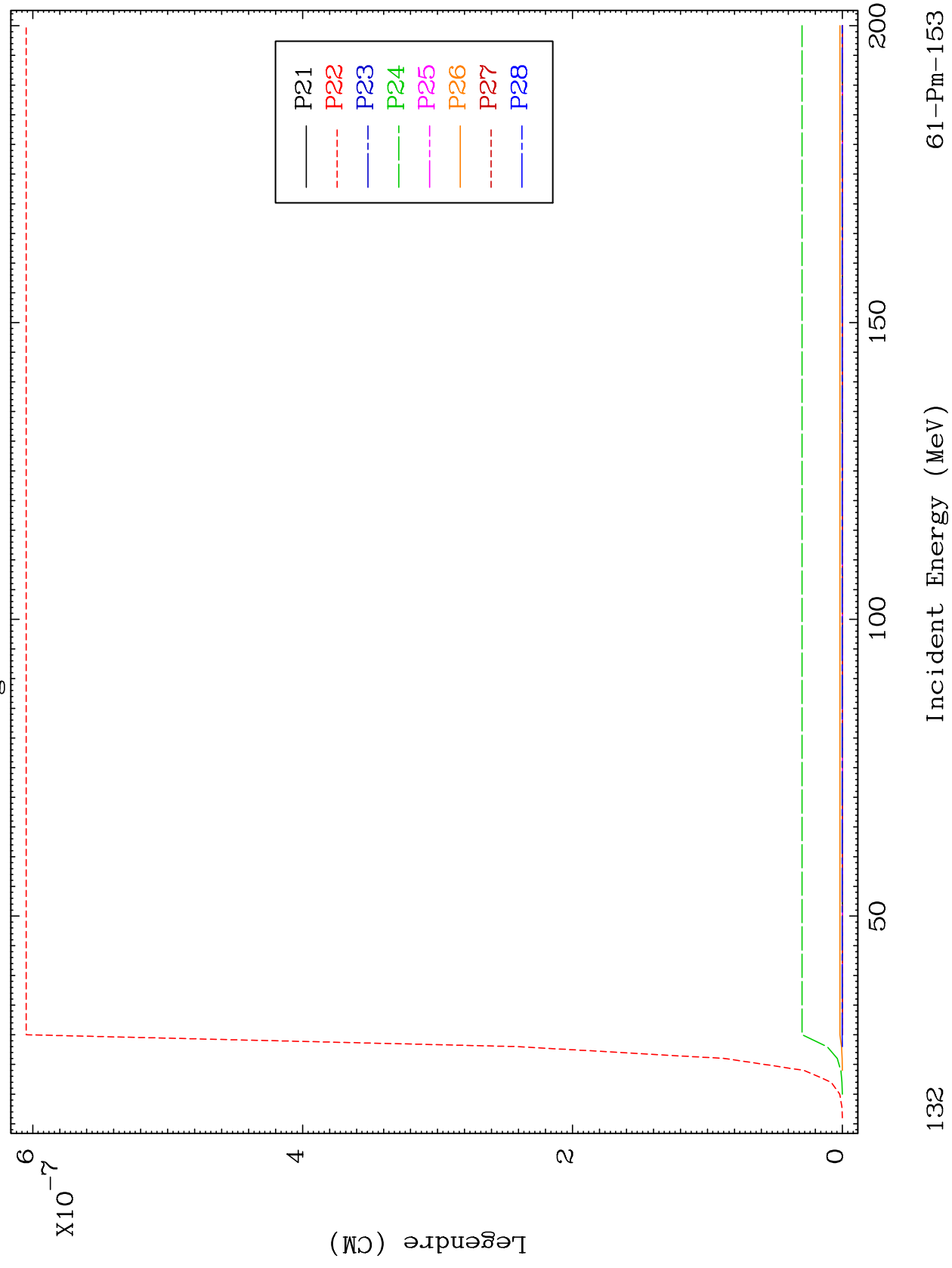


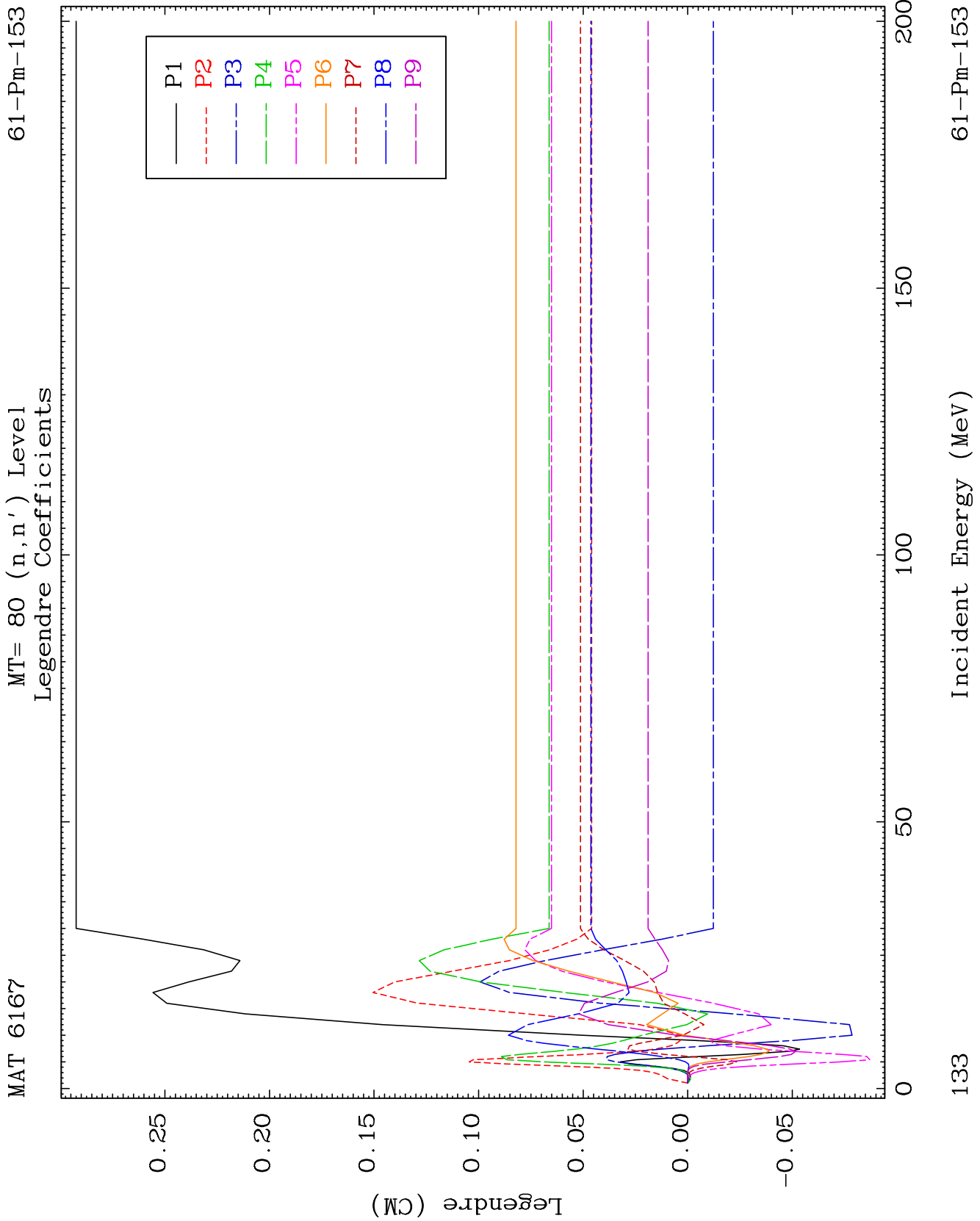


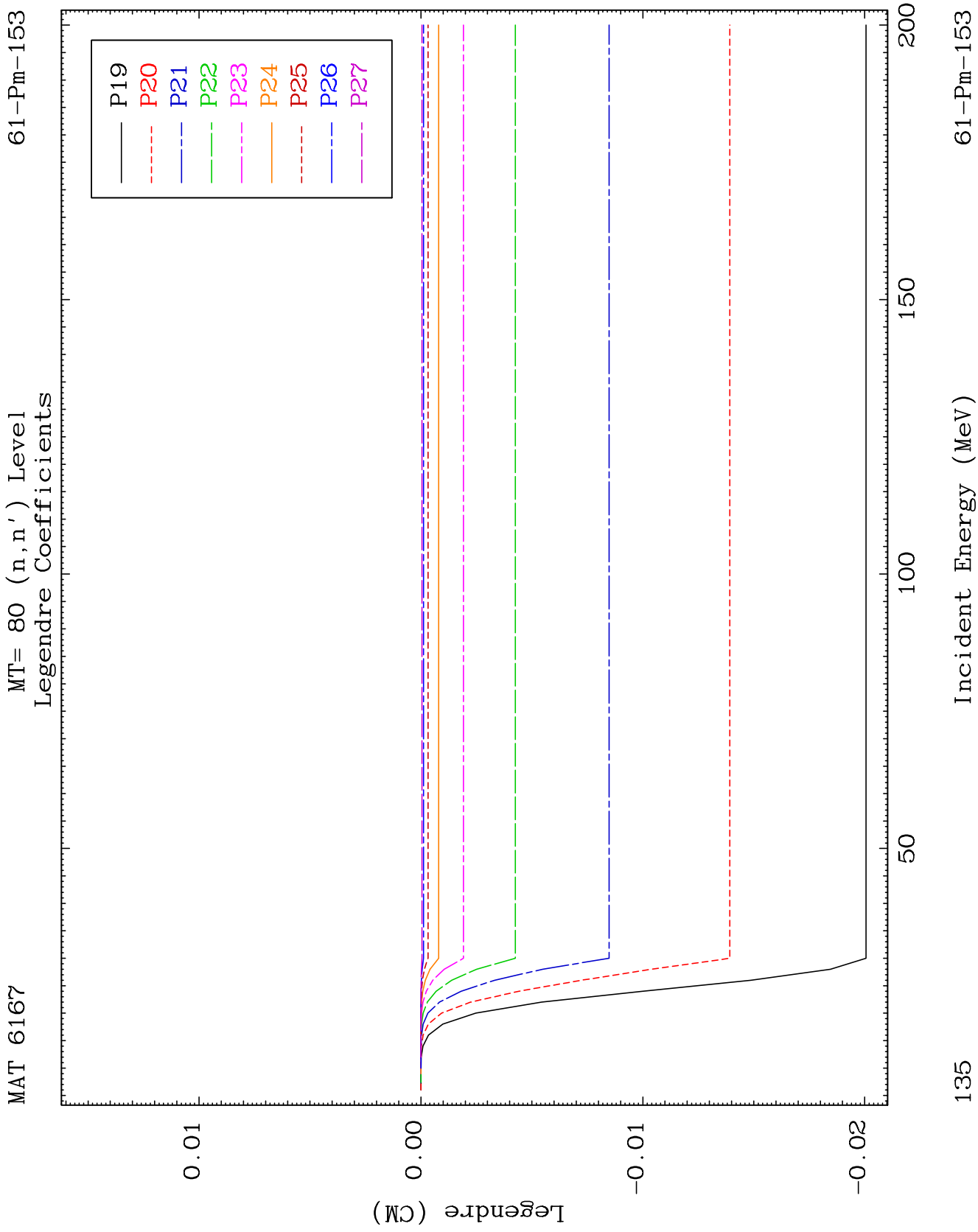
MAT 6167

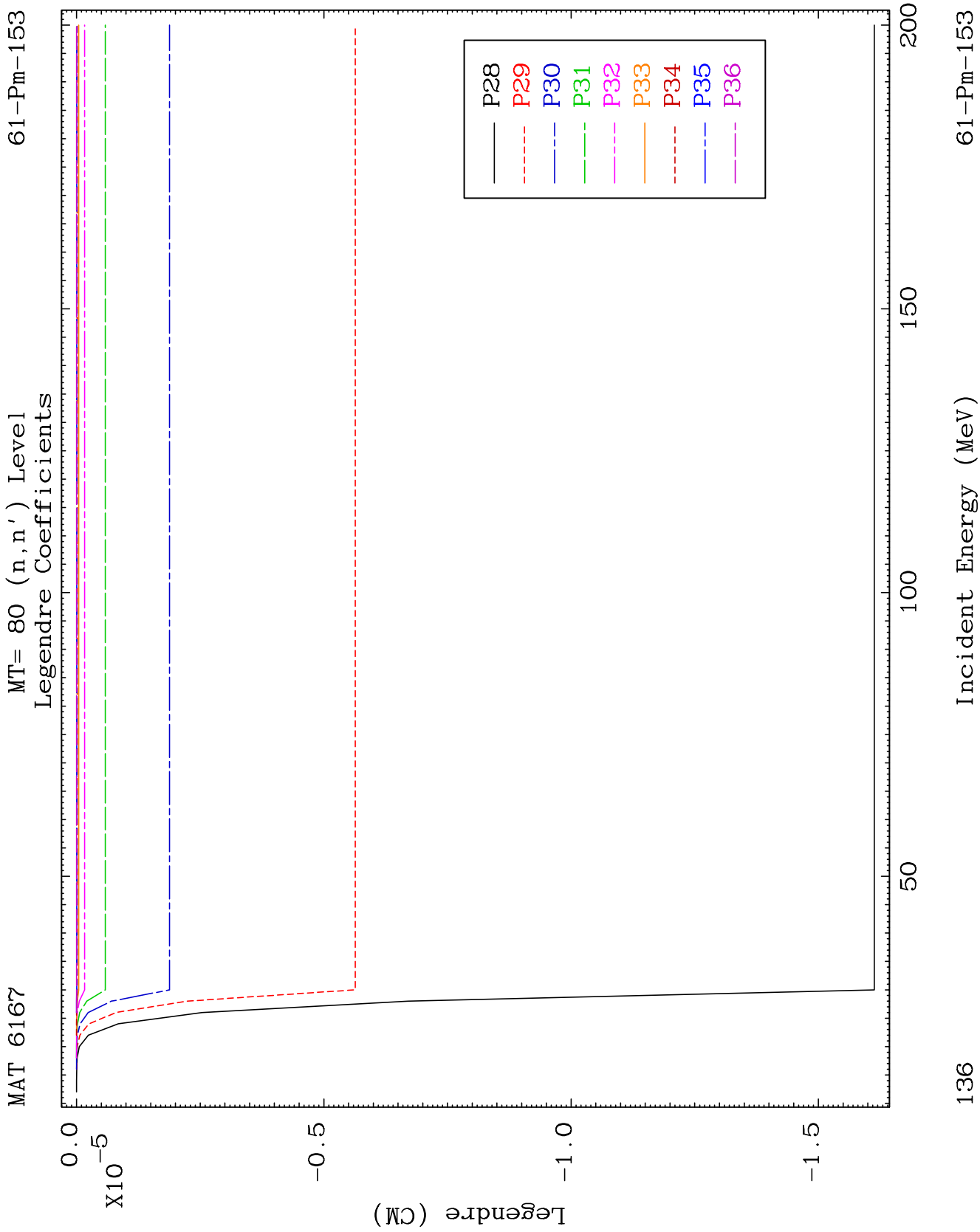
MT= 79 (n, n') Level
Legendre Coefficients

61-Pm-153





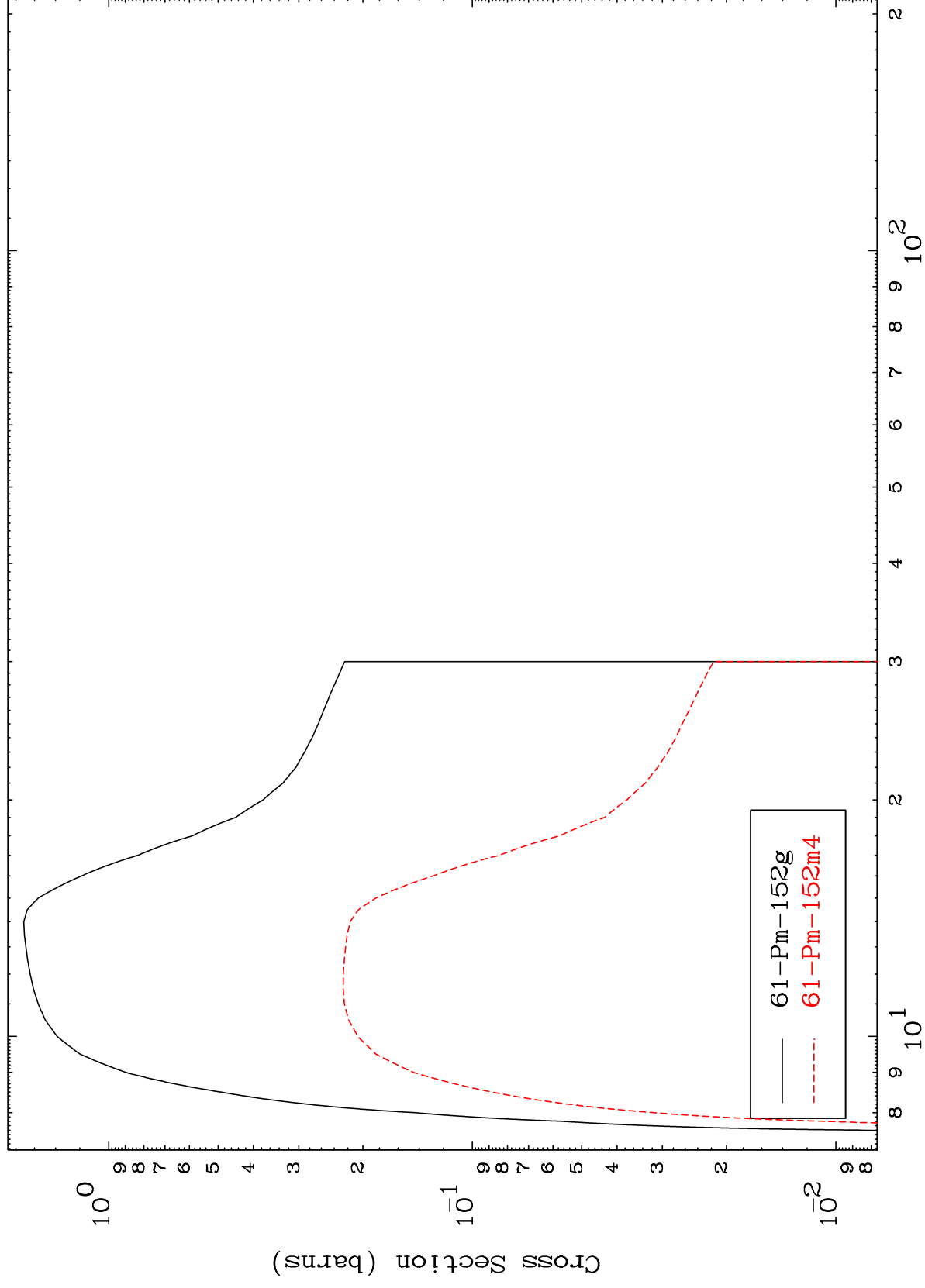




MAT 6167

61-Pm-153

(n,2n)
Radionuclide Production Cross Section



61-Pm-153

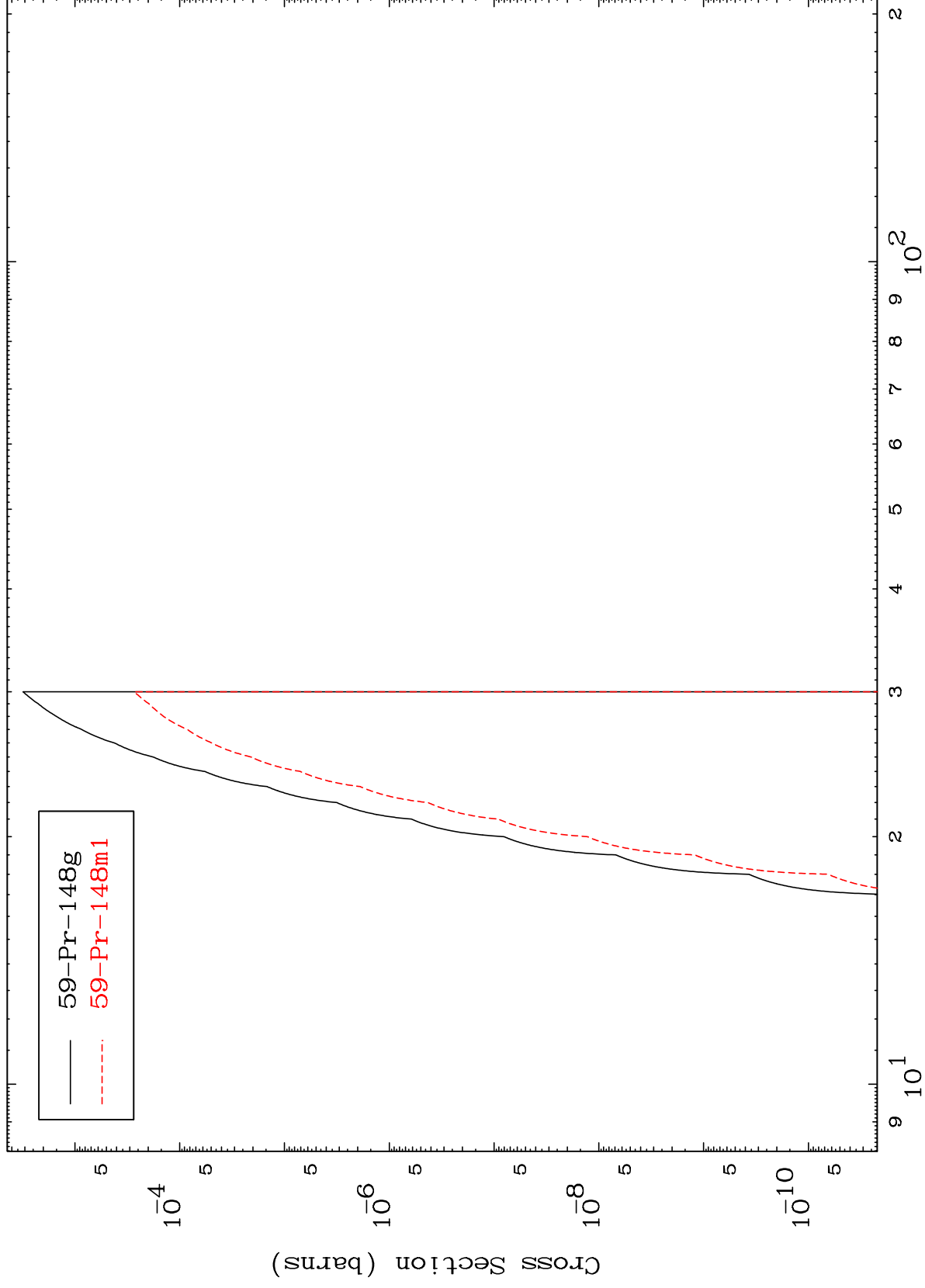
Incident Energy (MeV)

137

MAT 6167

61-Pm-153

(n,2n) α
Radionuclide Production Cross Section



61-Pm-153

Incident Energy (MeV)

138