

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

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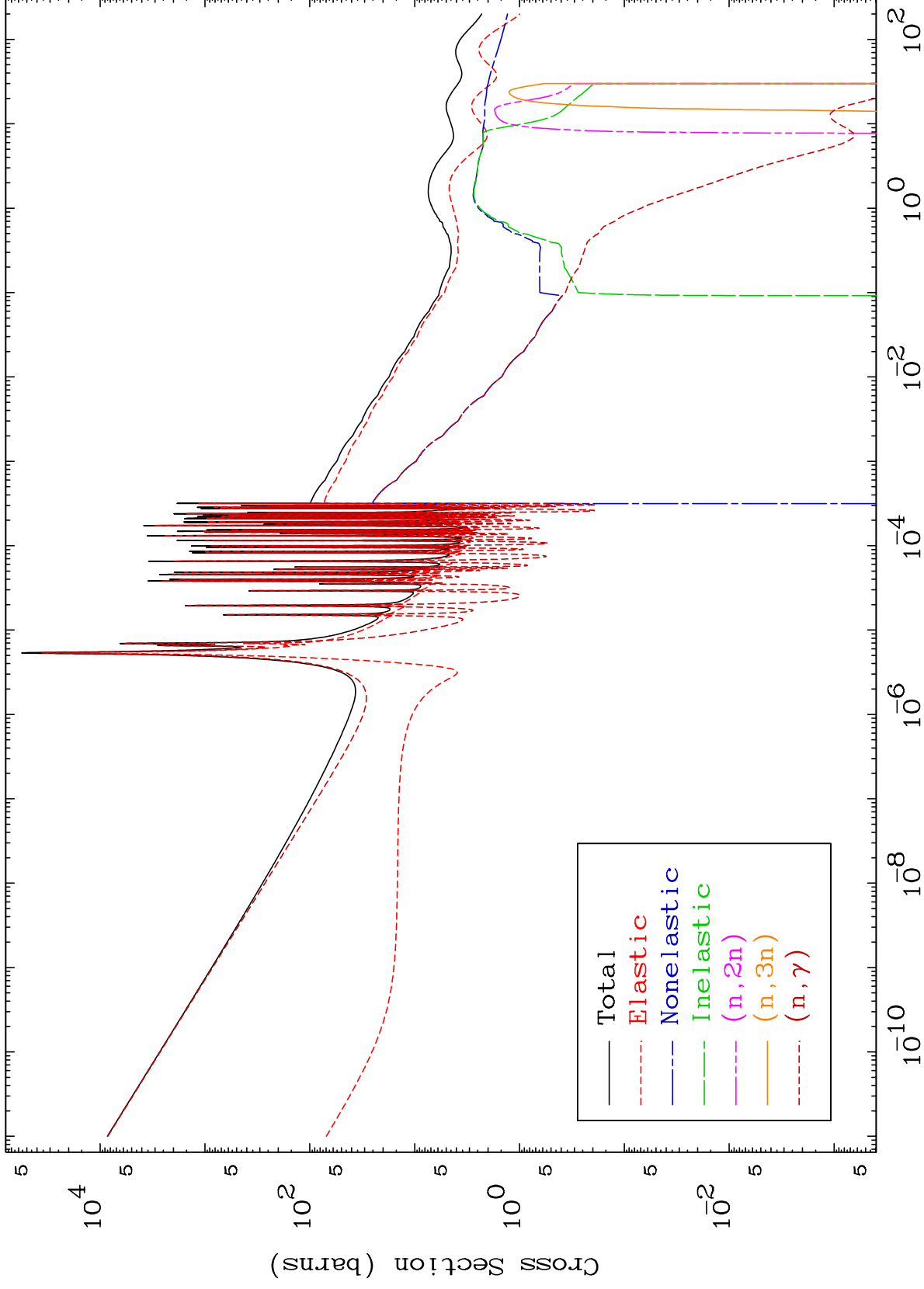
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6149

Neutron Major
293 Kelvin Cross Sections

61-Pm-147



1

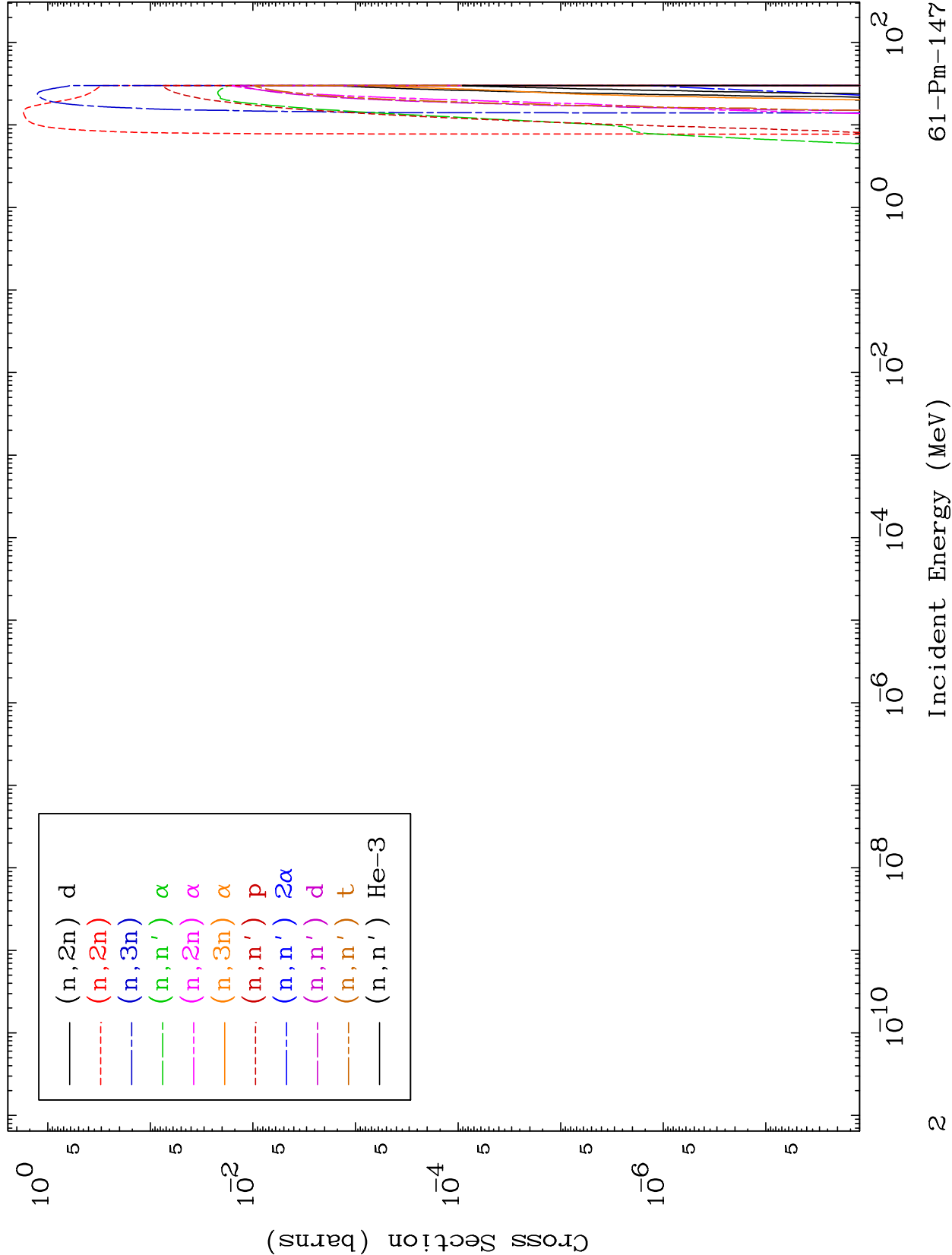
Incident Energy (MeV)

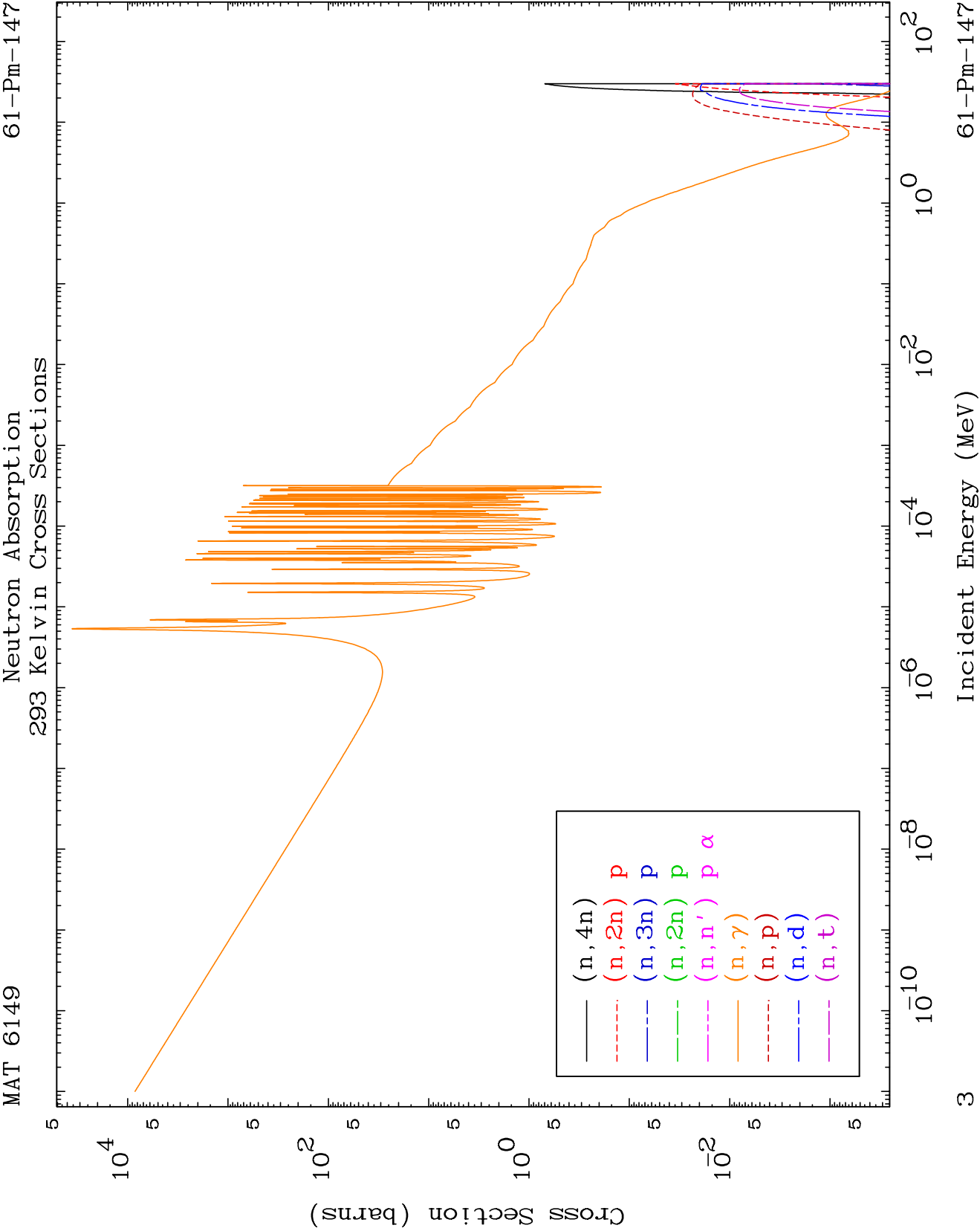
61-Pm-147

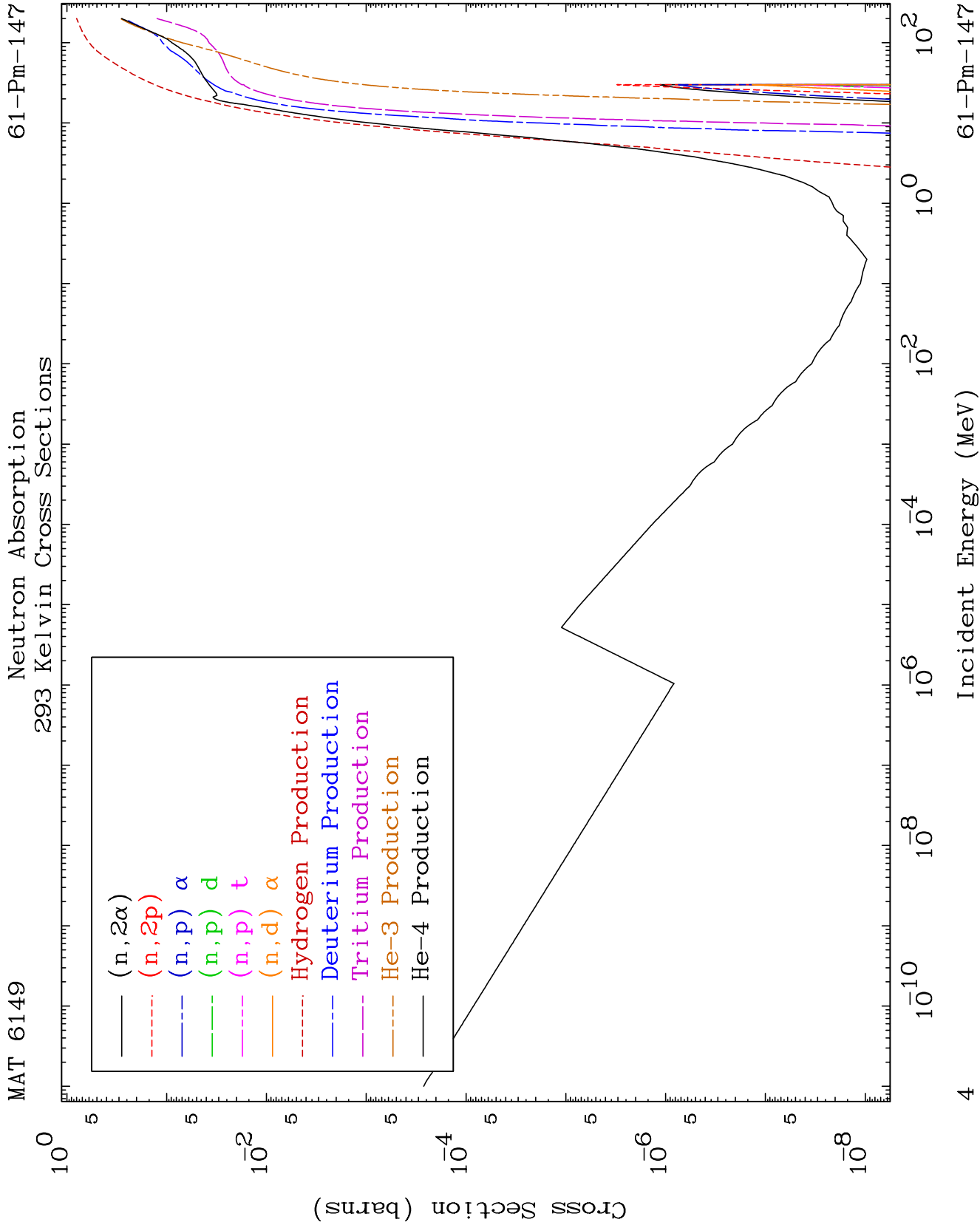
MAT 6149

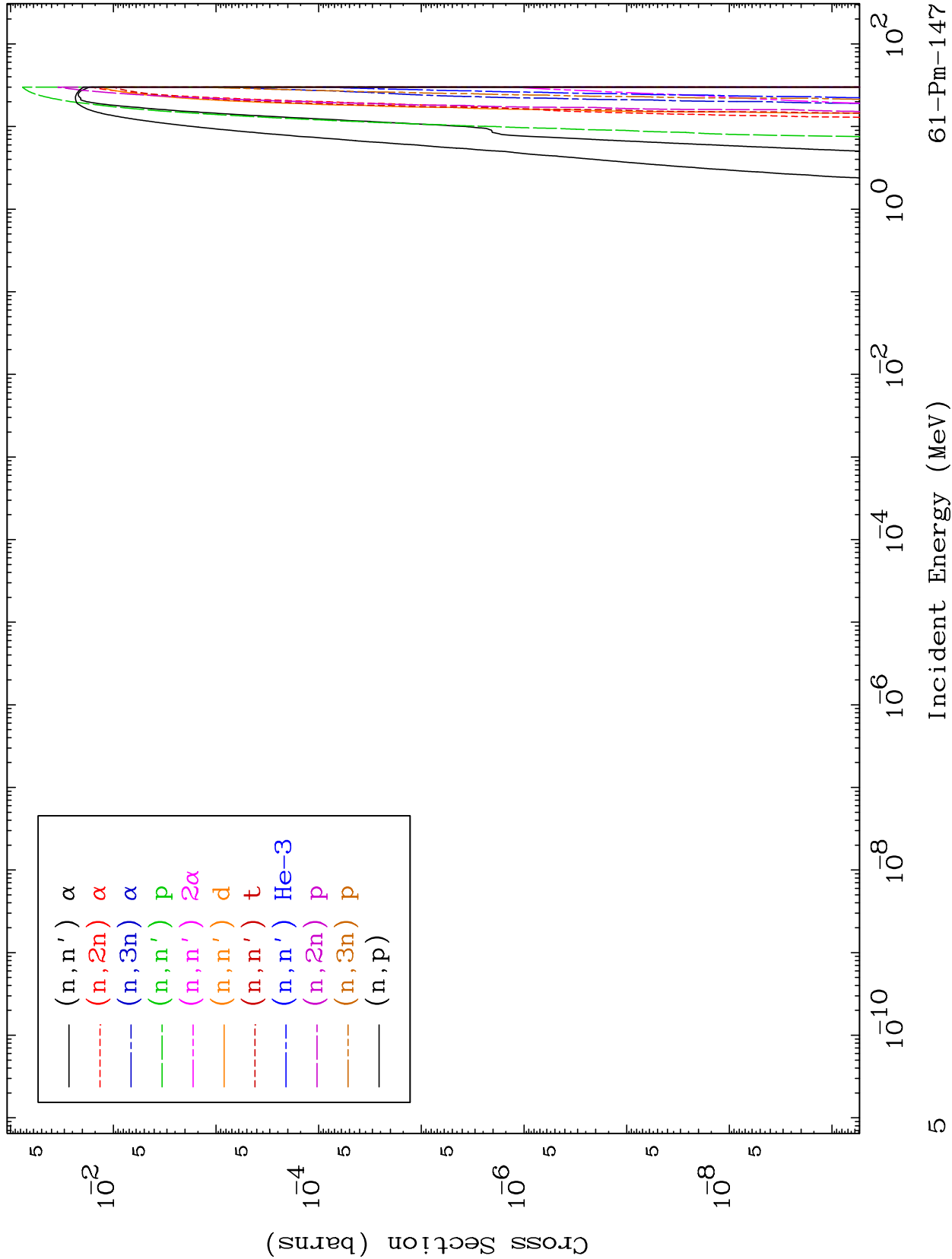
Neutron Absorption
293 Kelvin Cross Sections

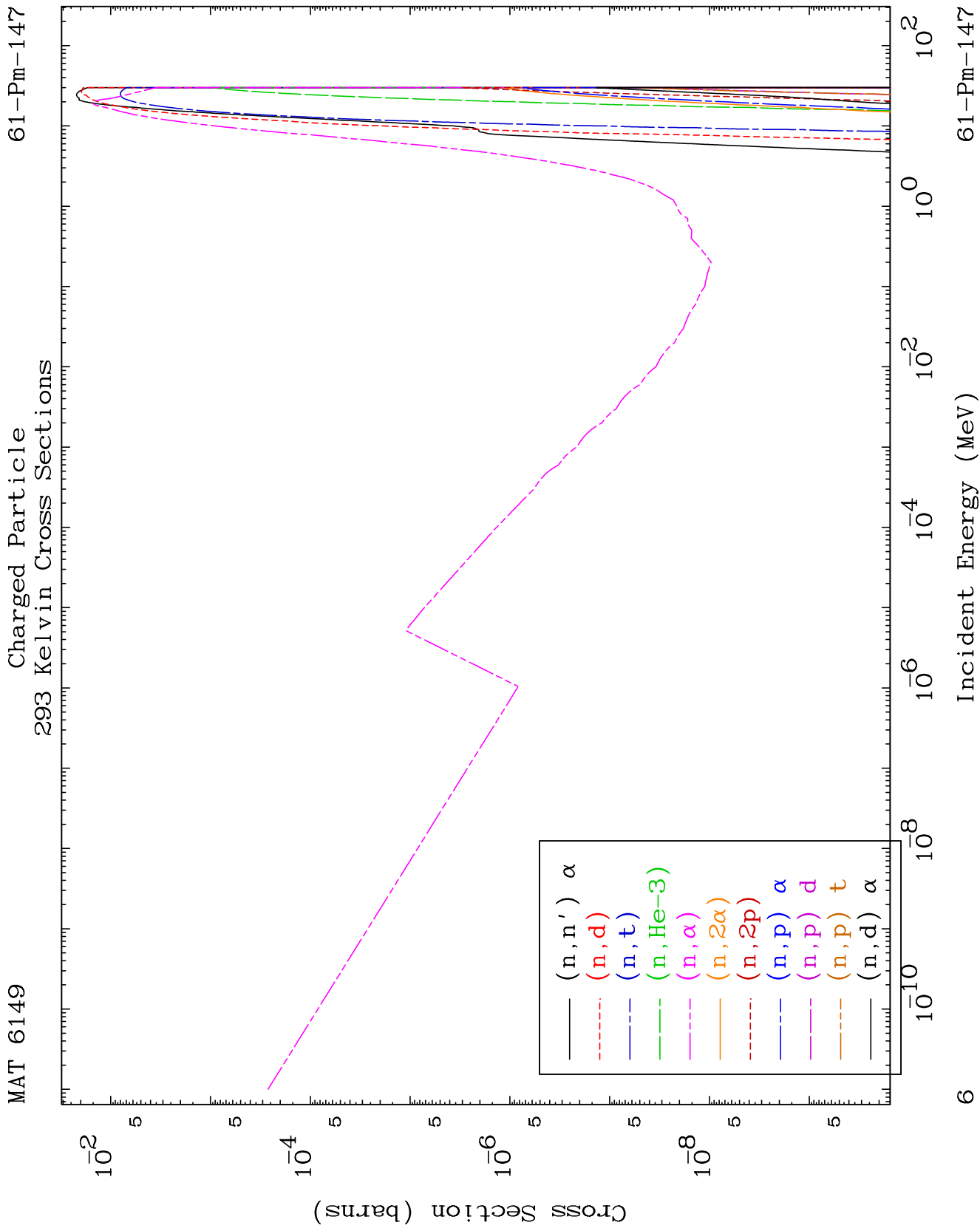
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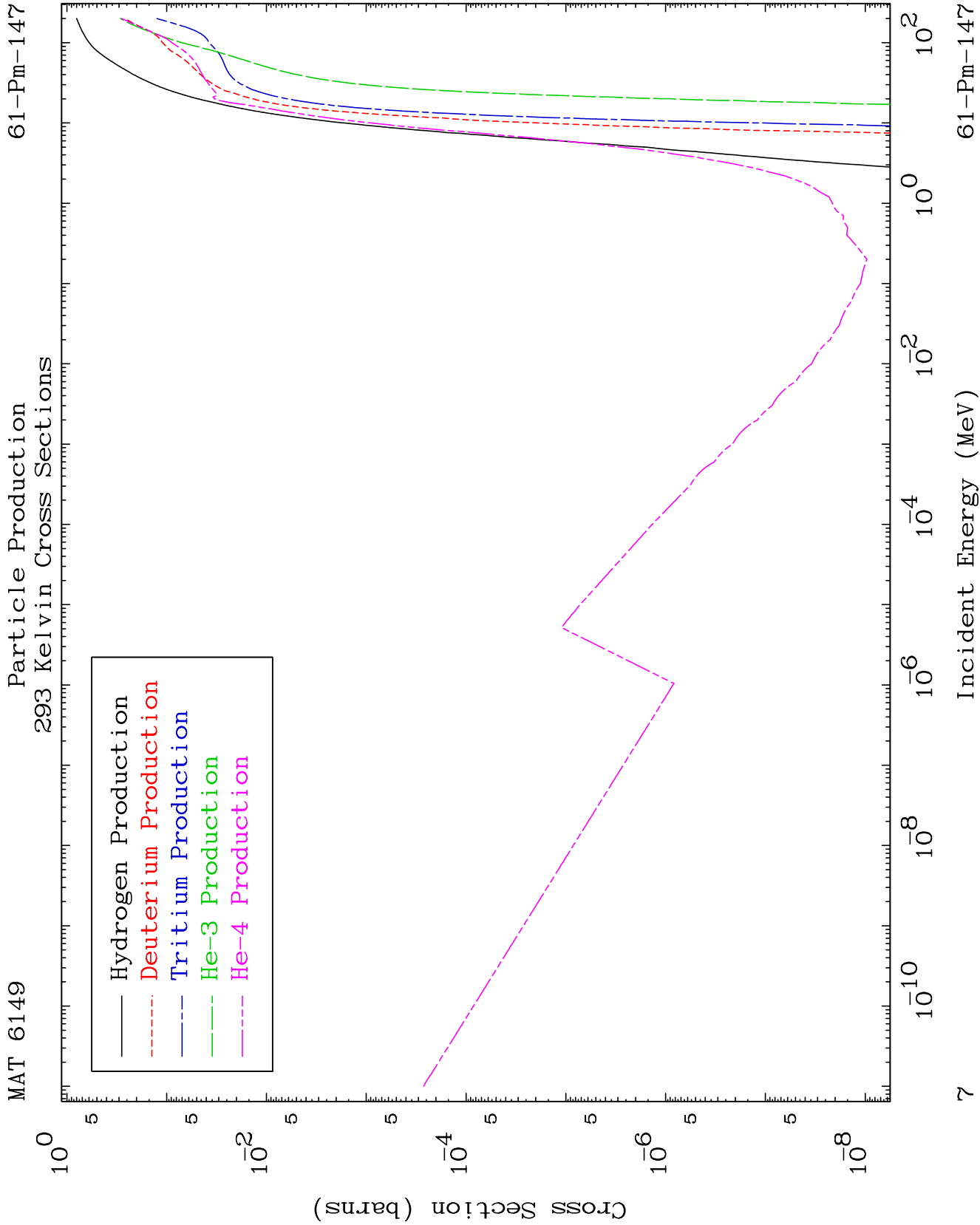


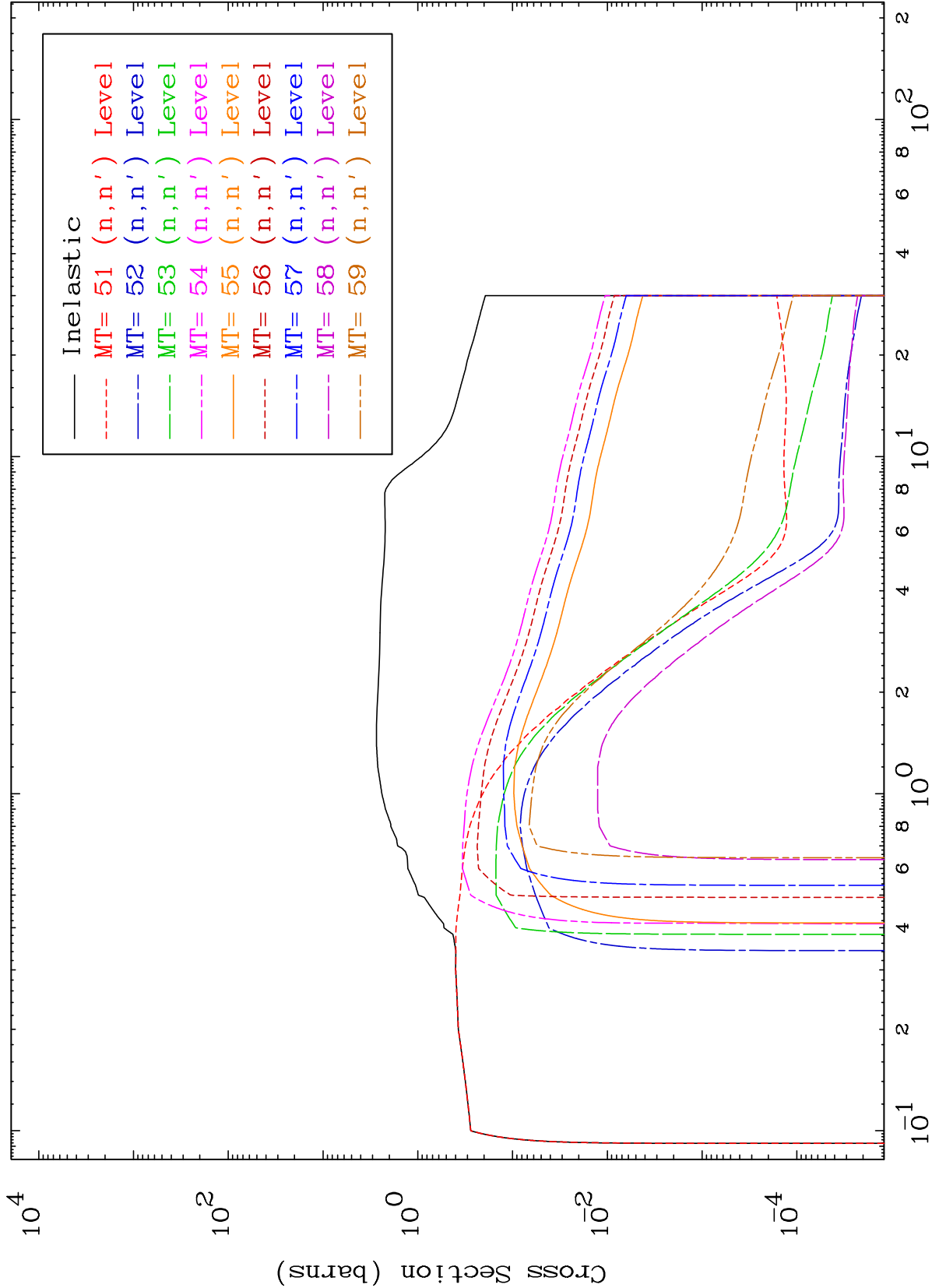


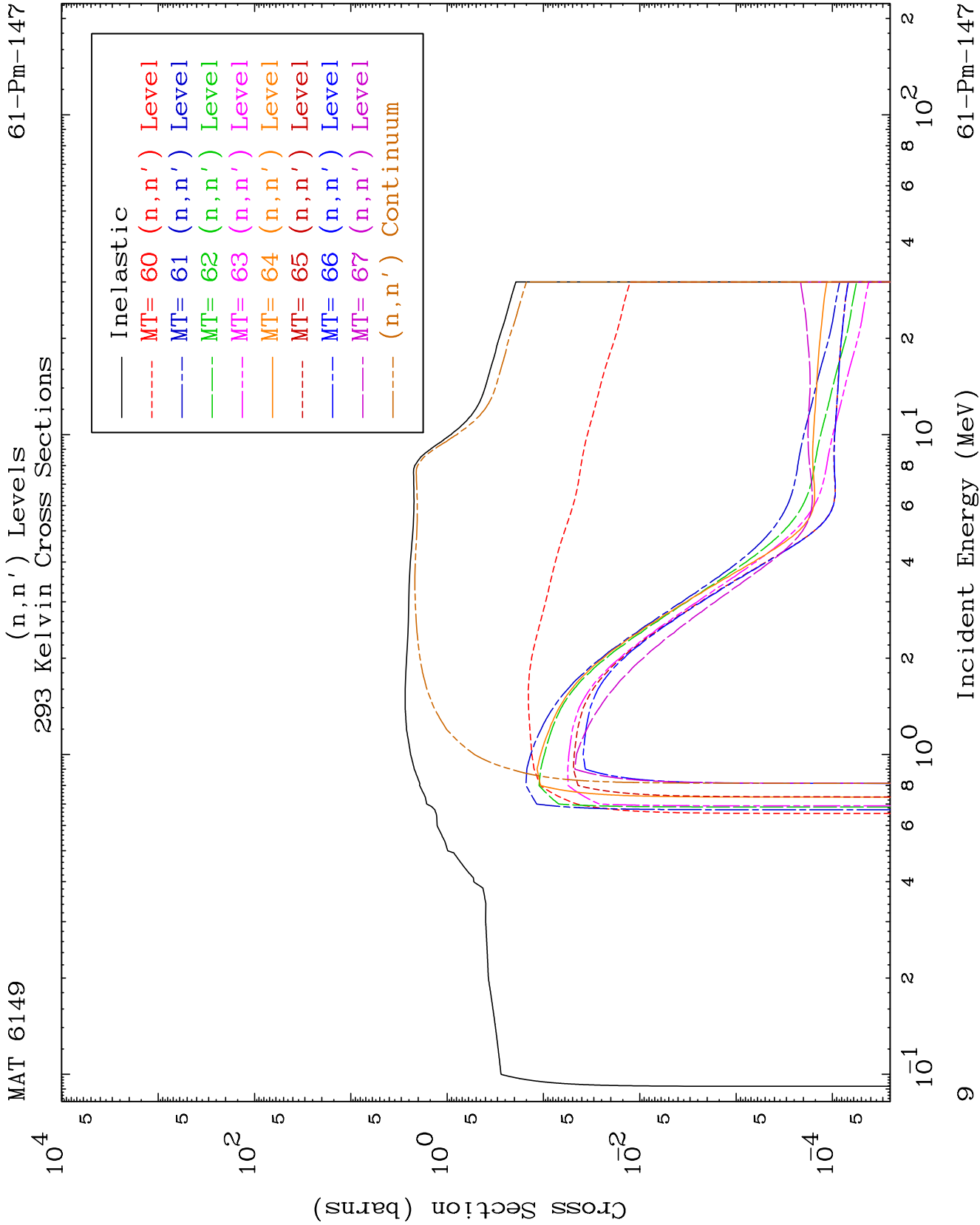








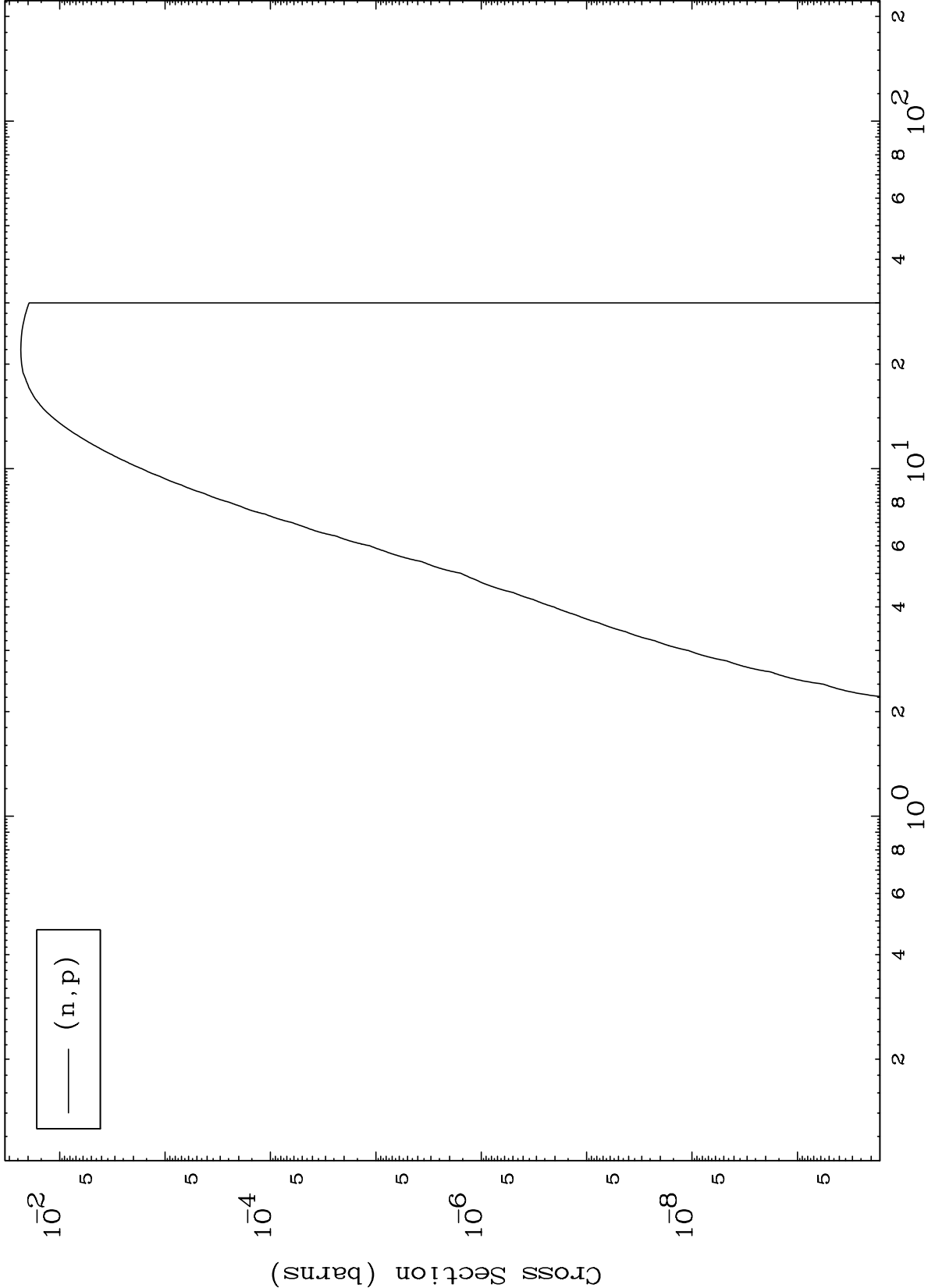




MAT 6149

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-147



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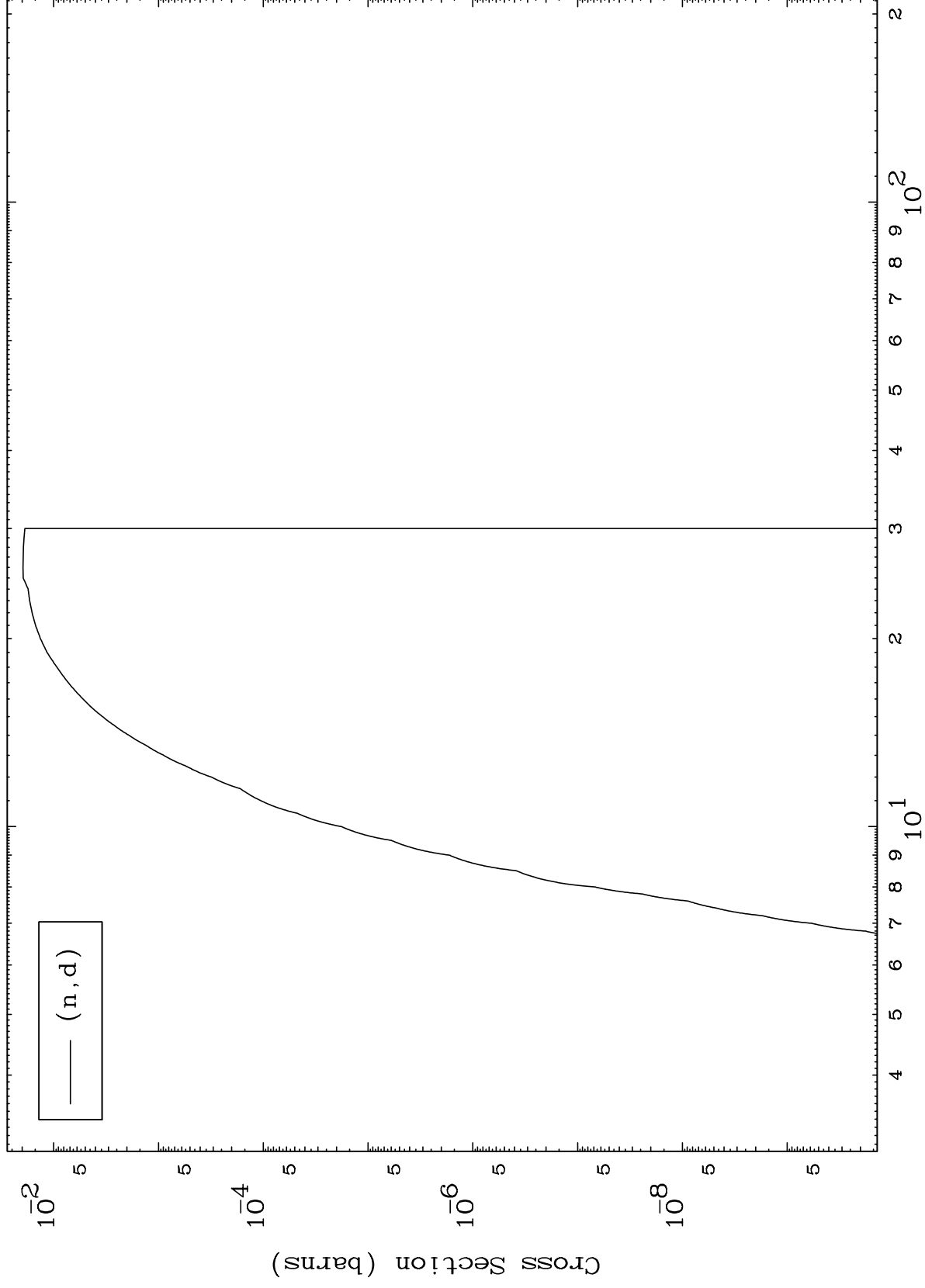
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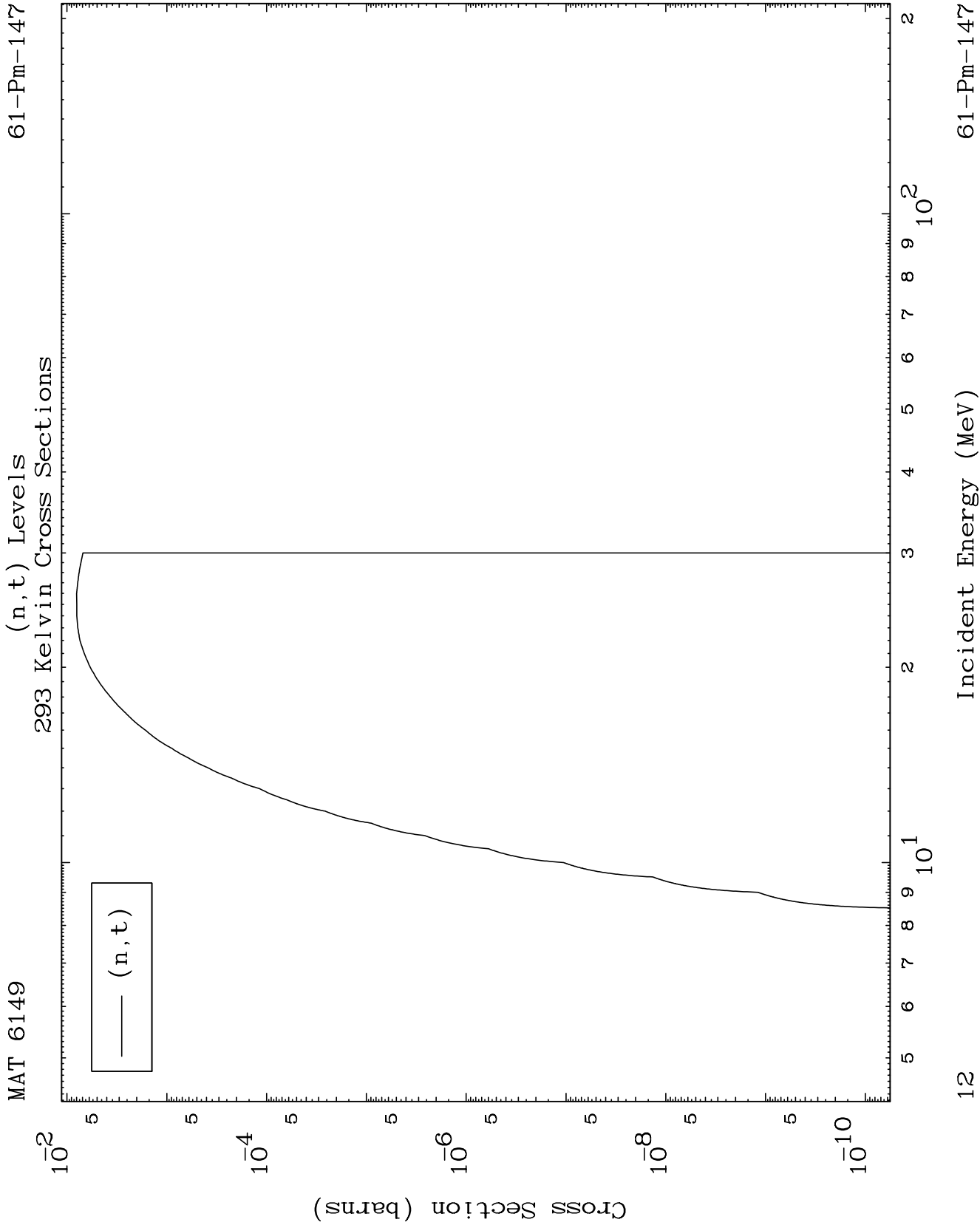
61-Pm-147

MAT 6149

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-147

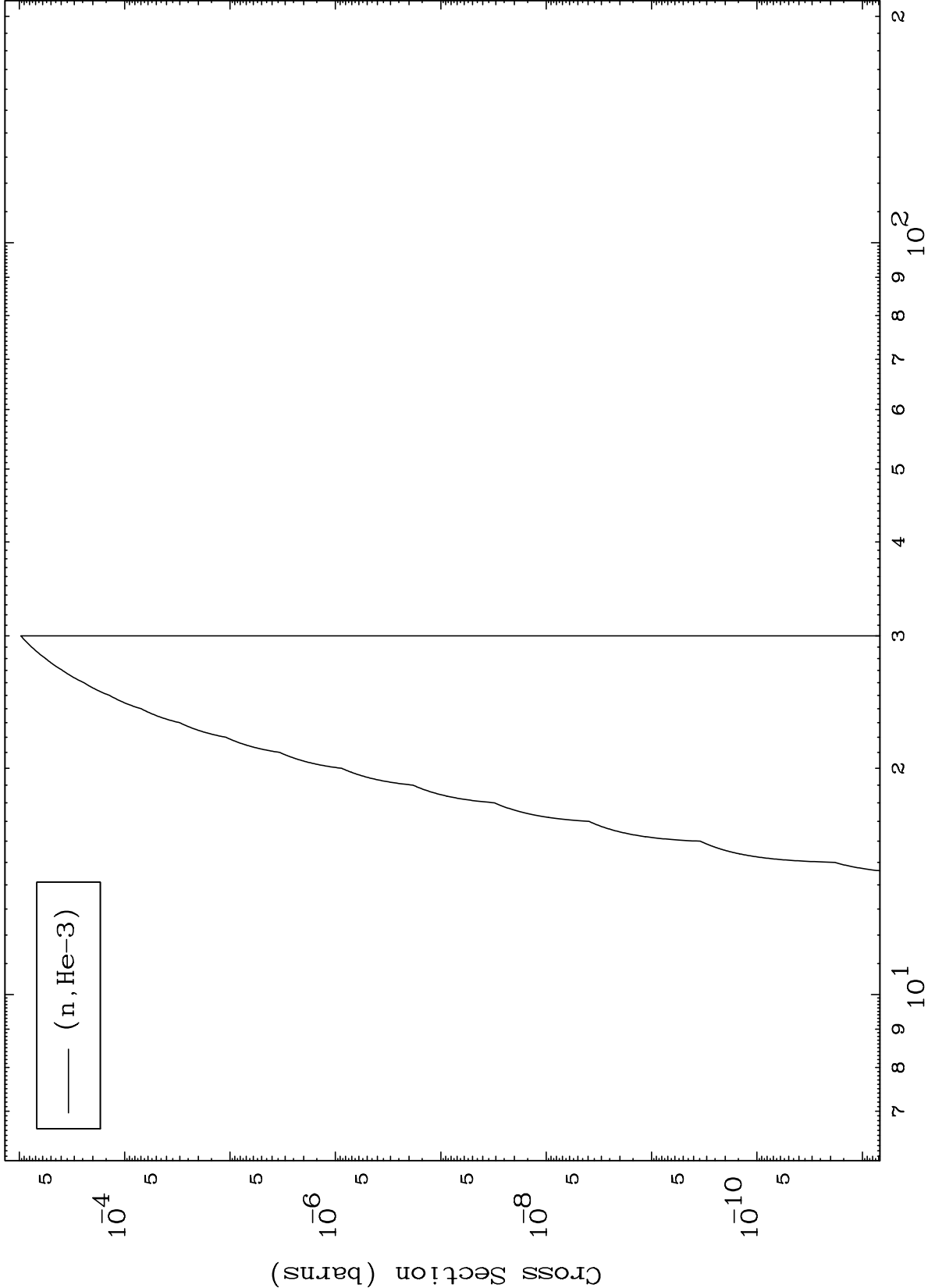




MAT 6149

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-147



13

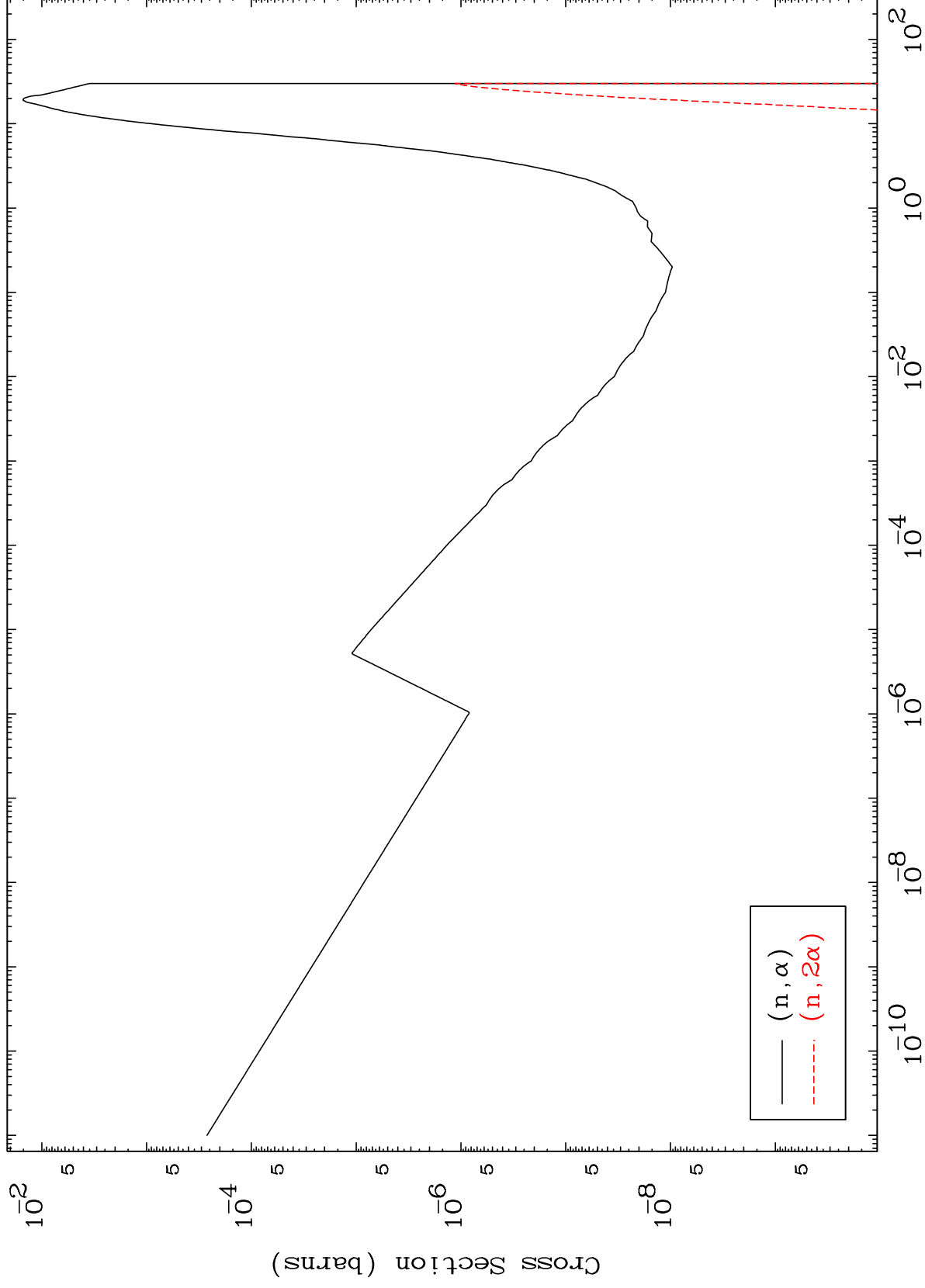
Incident Energy (MeV)

61-Pm-147

MAT 6149

(n, α) Levels
293 Kelvin Cross Sections

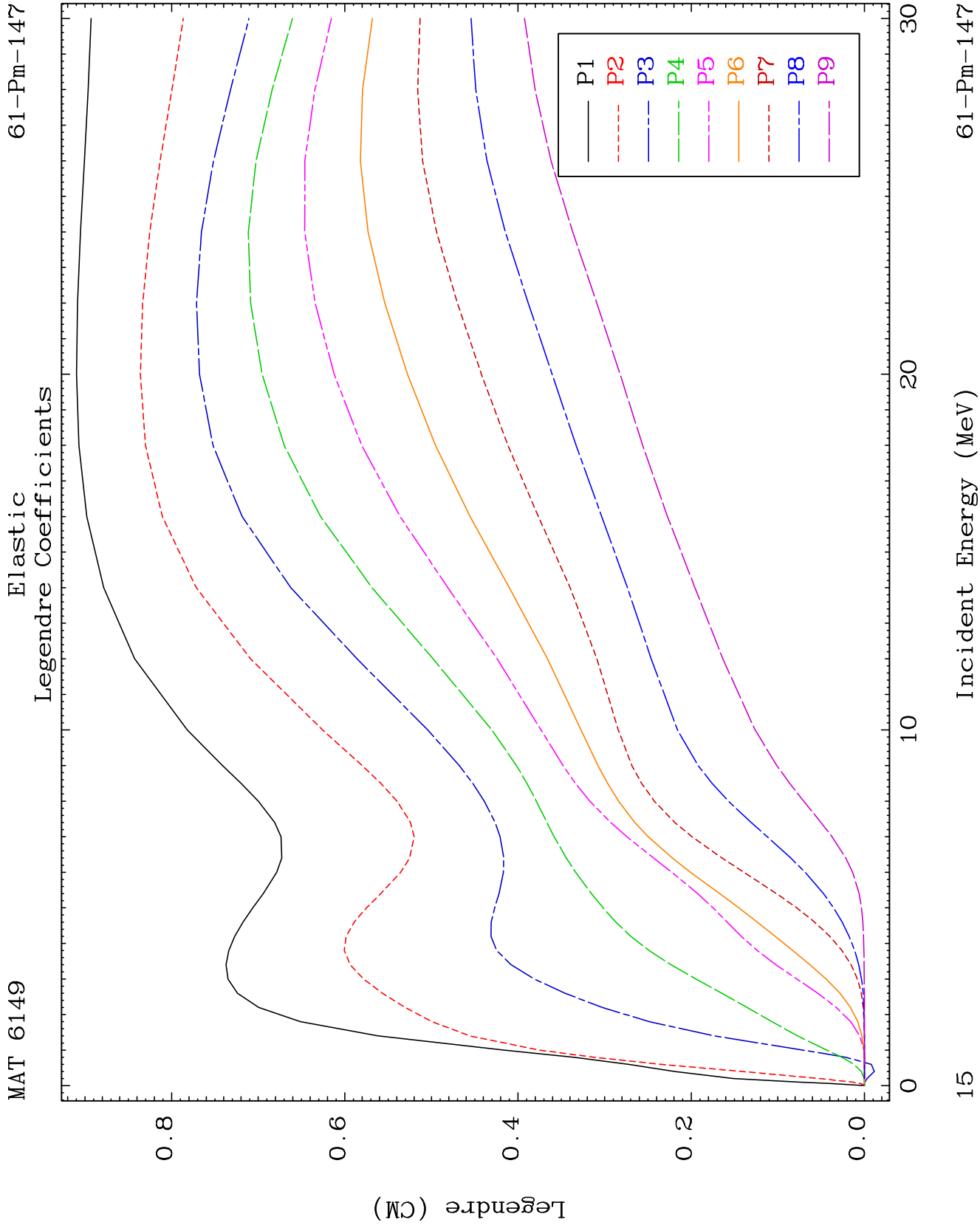
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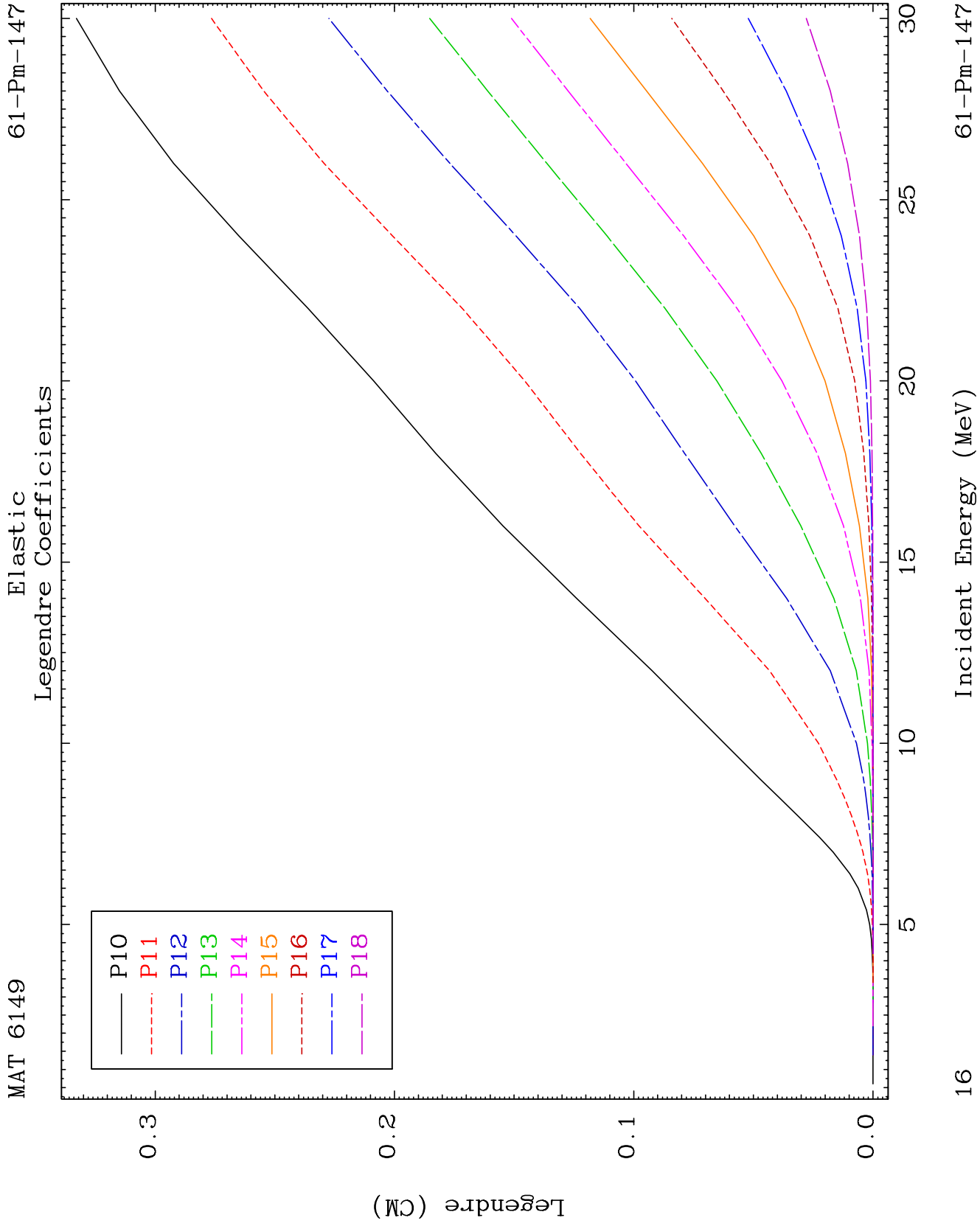


14

Incident Energy (MeV)

61-Pm-147

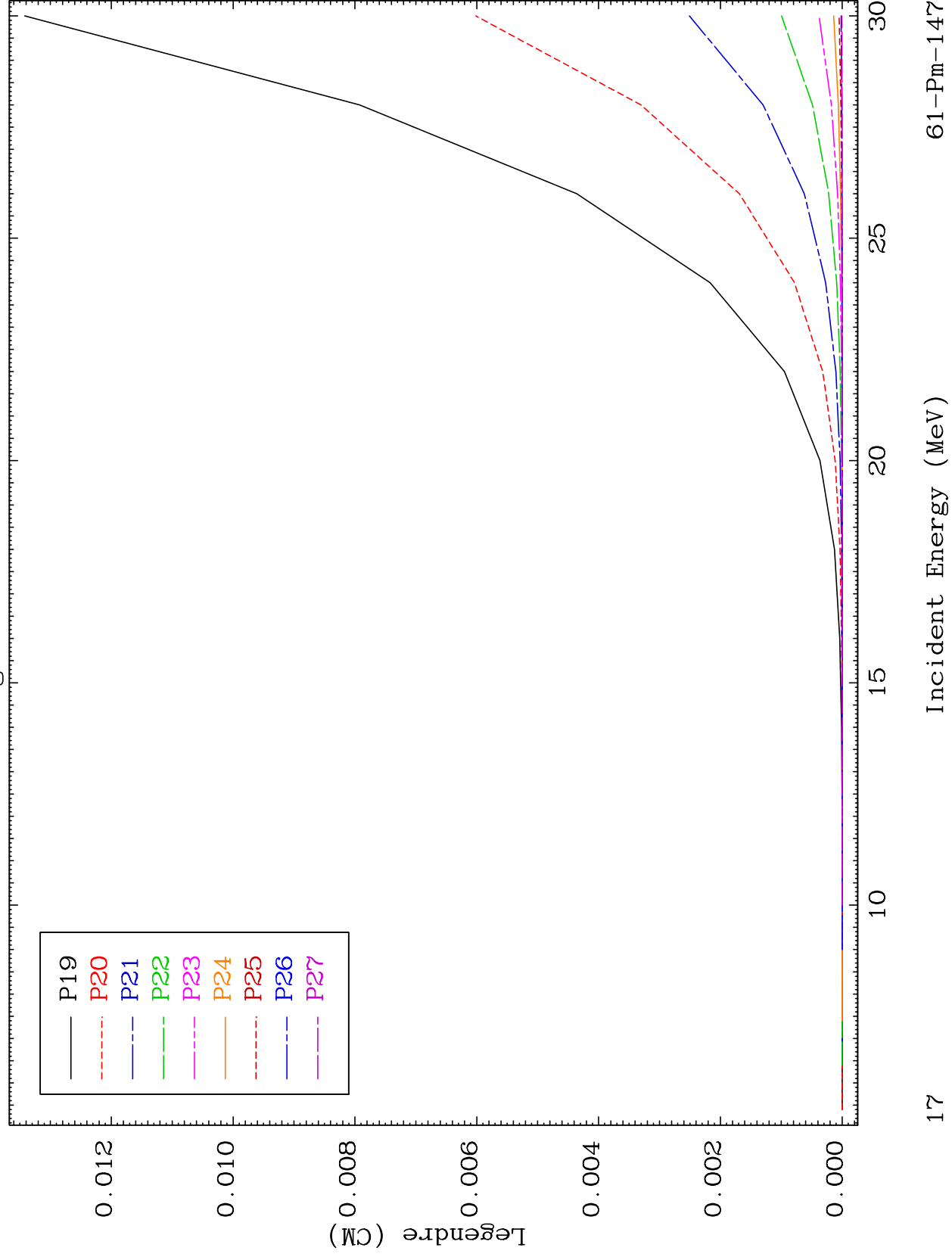


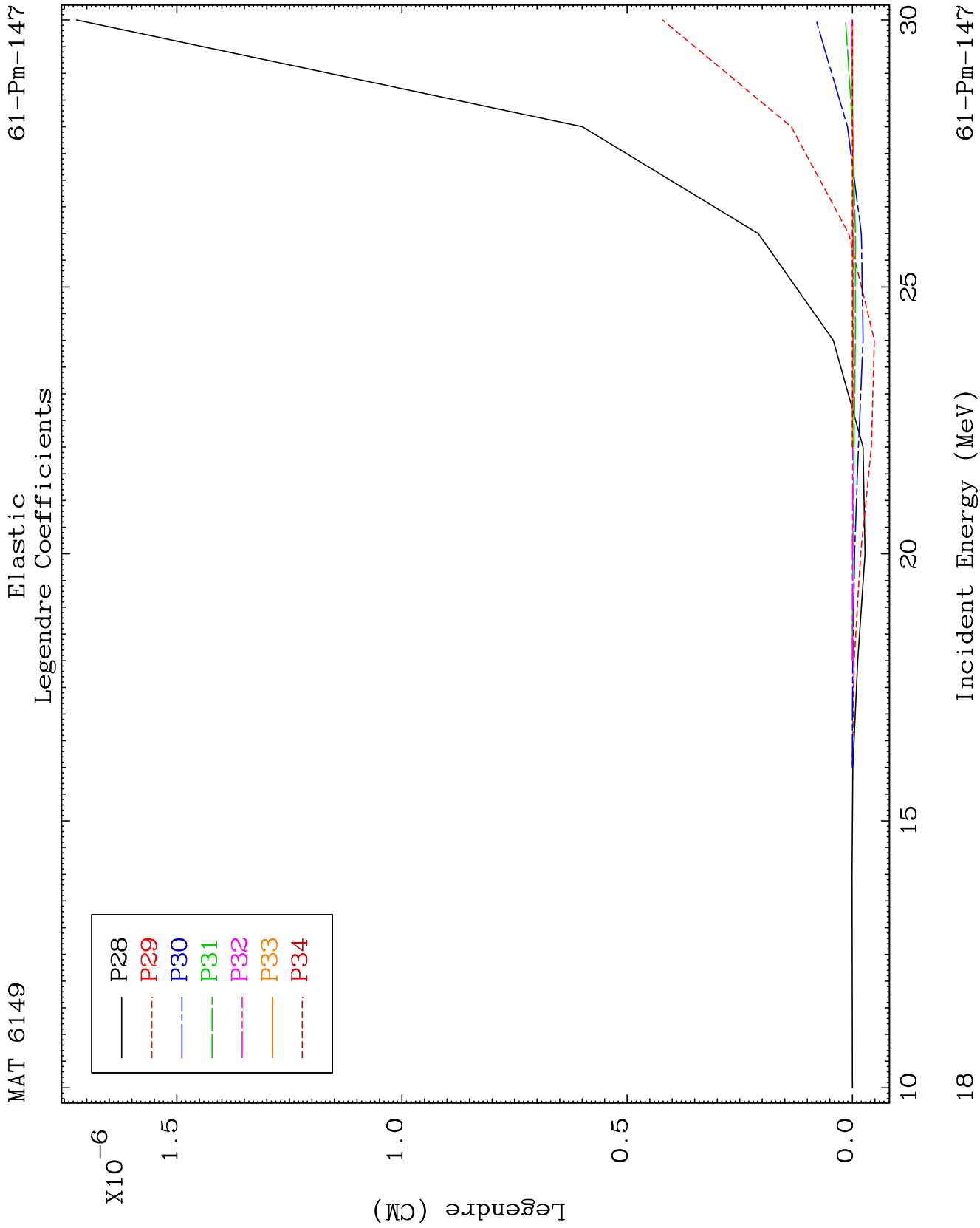


MAT 6149

Elastic Legendre Coefficients

61-Pm-147

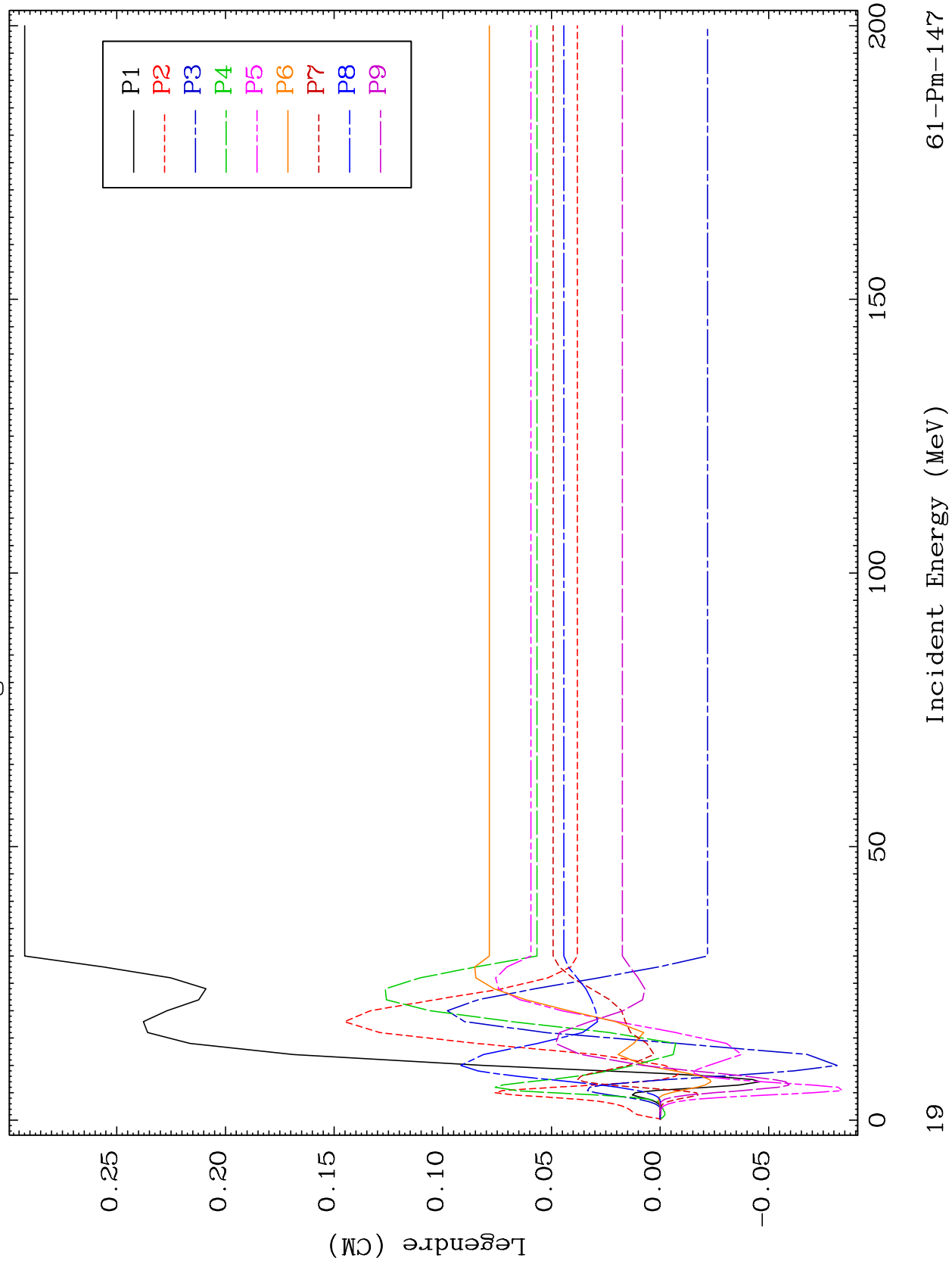




MAT 6149

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

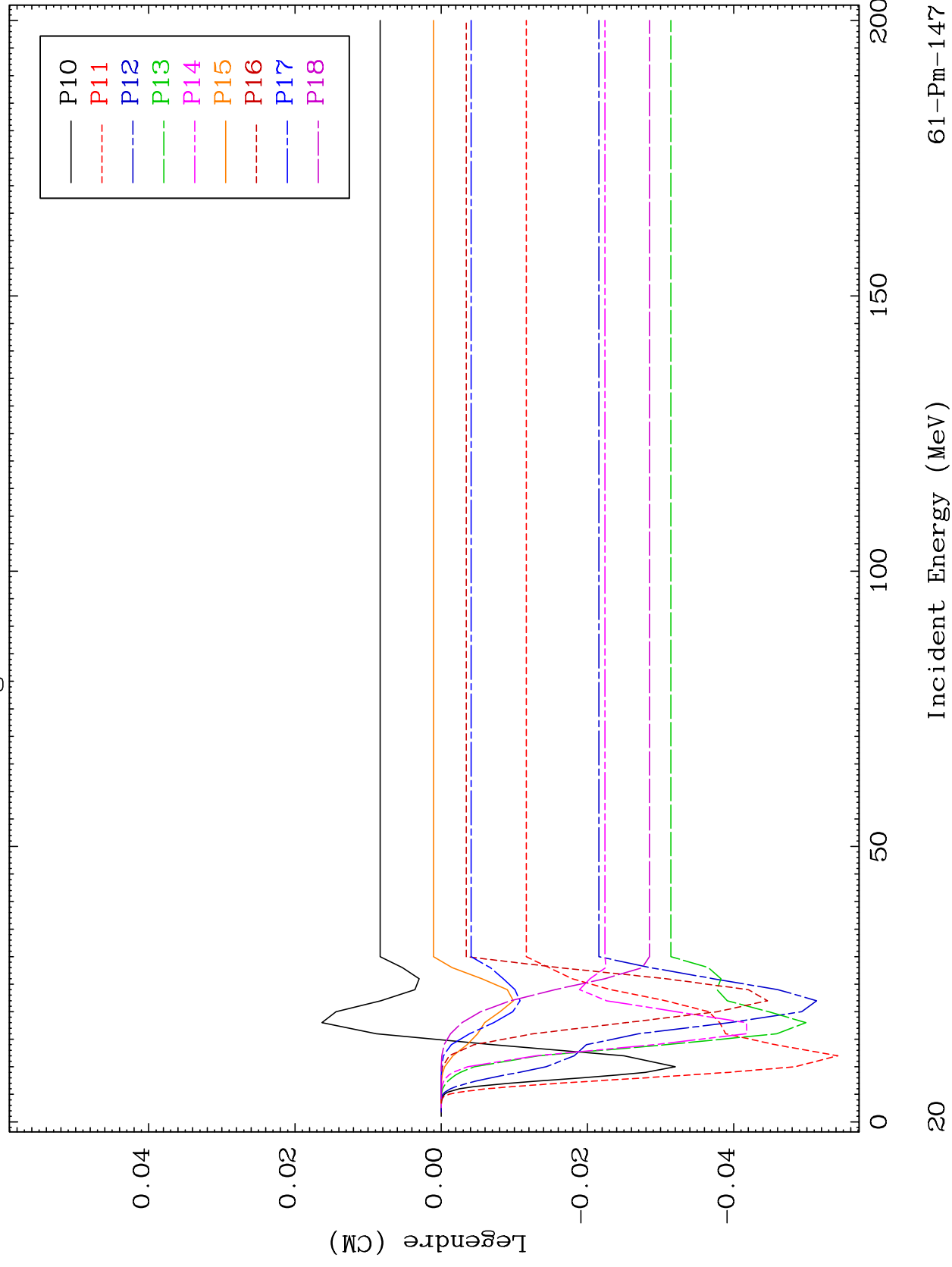
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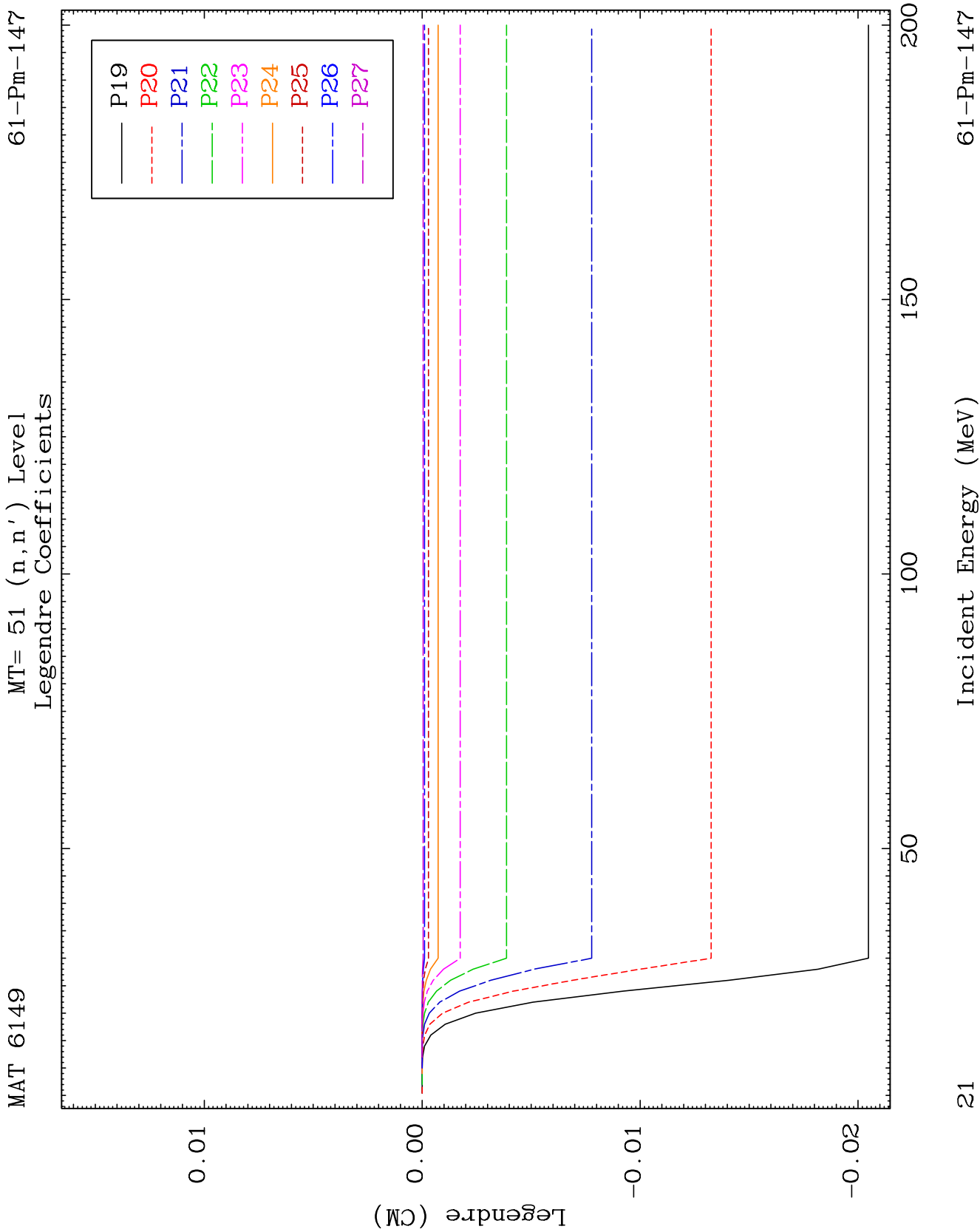


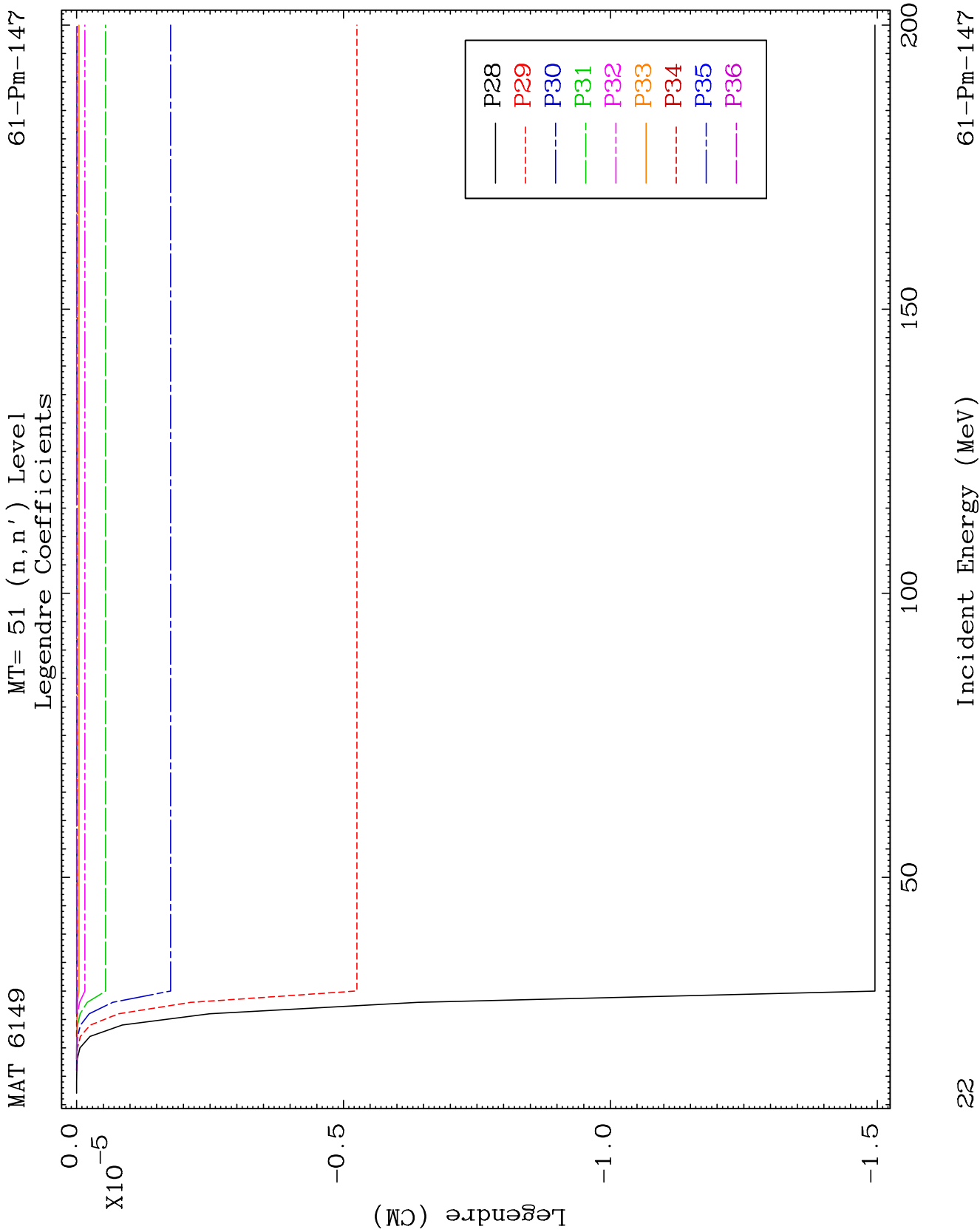
MAT 6149

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

61-Pm-147



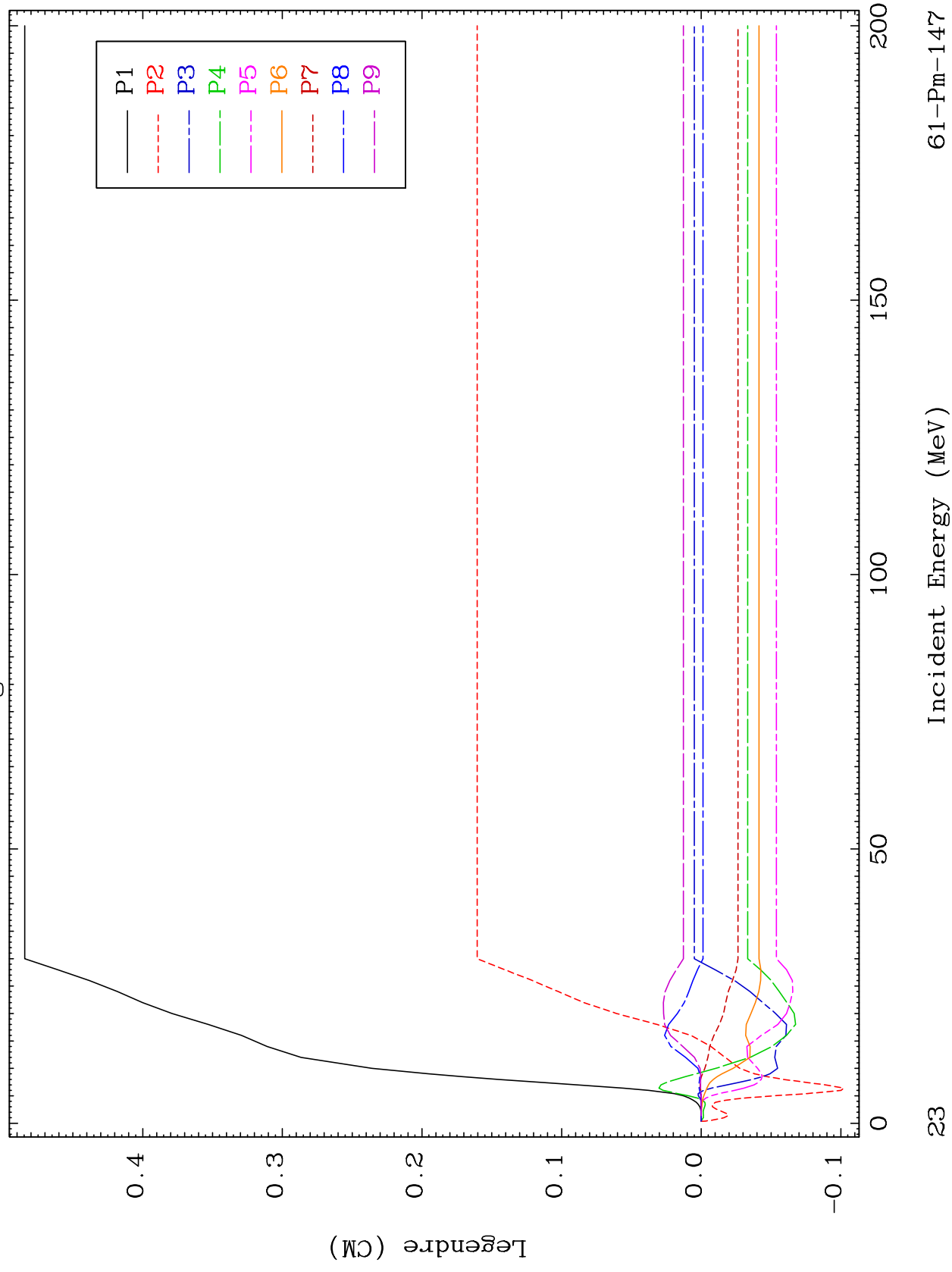




MAT 6149

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

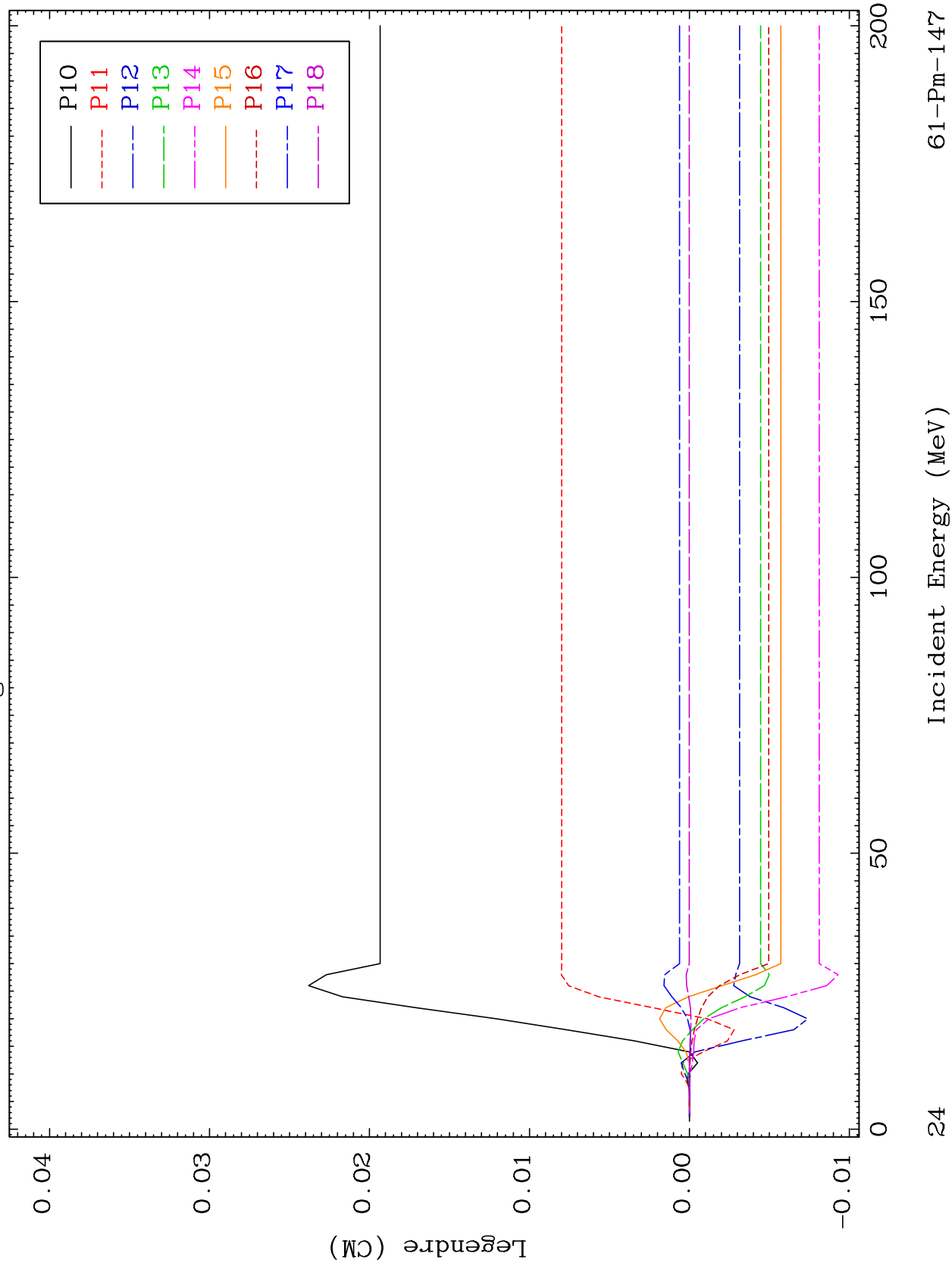
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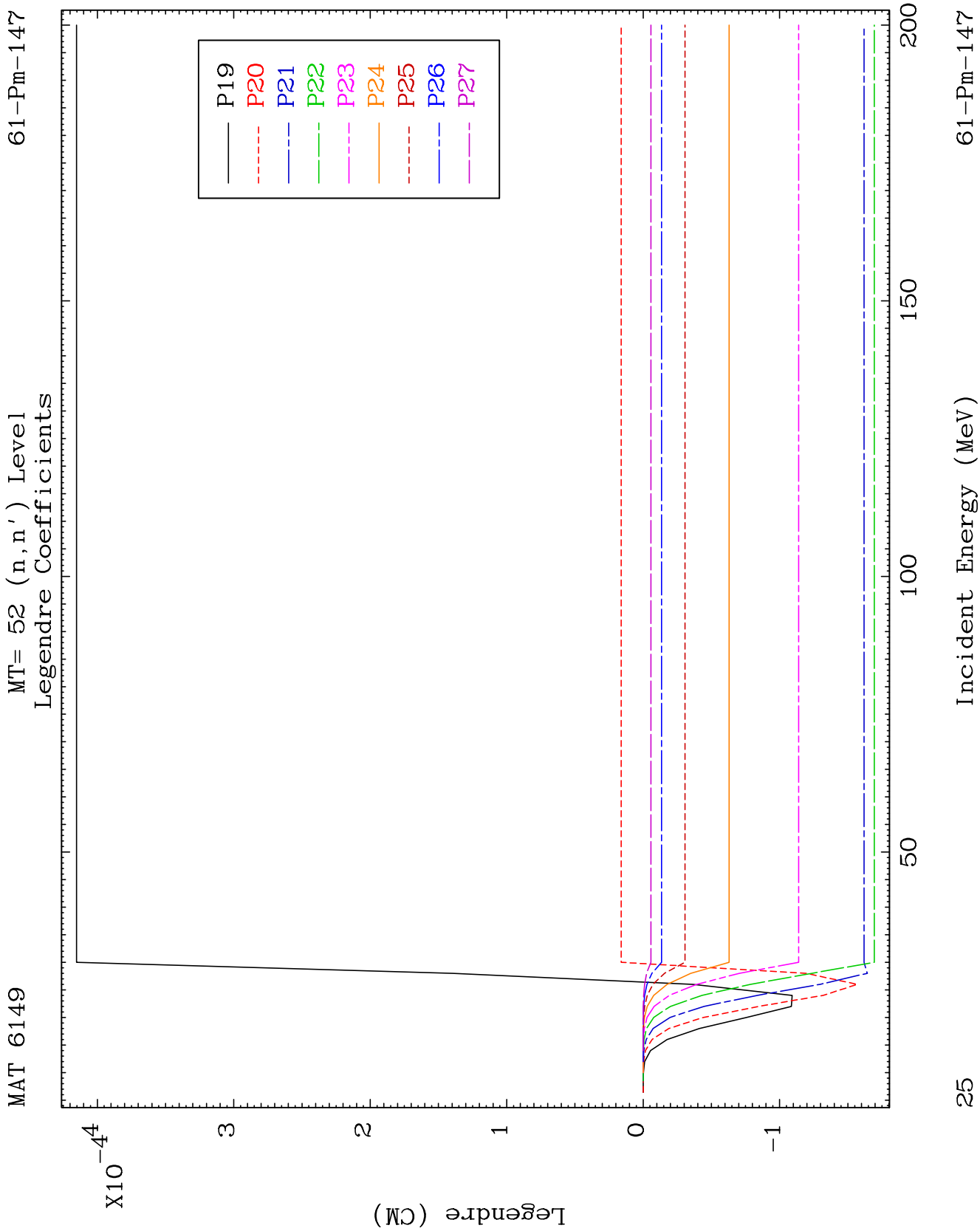


MAT 6149

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

61-Pm-147

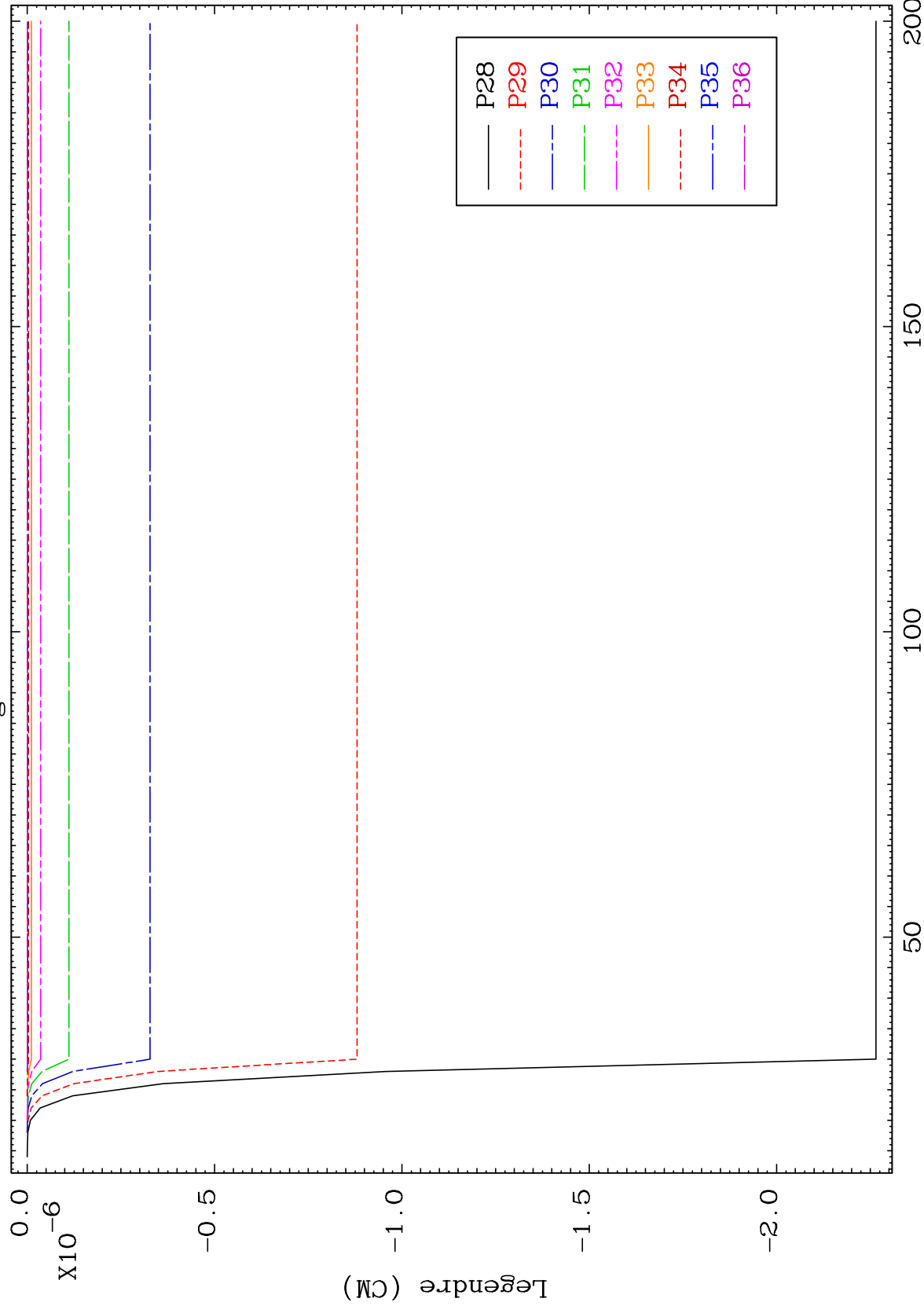




MAT 6149

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

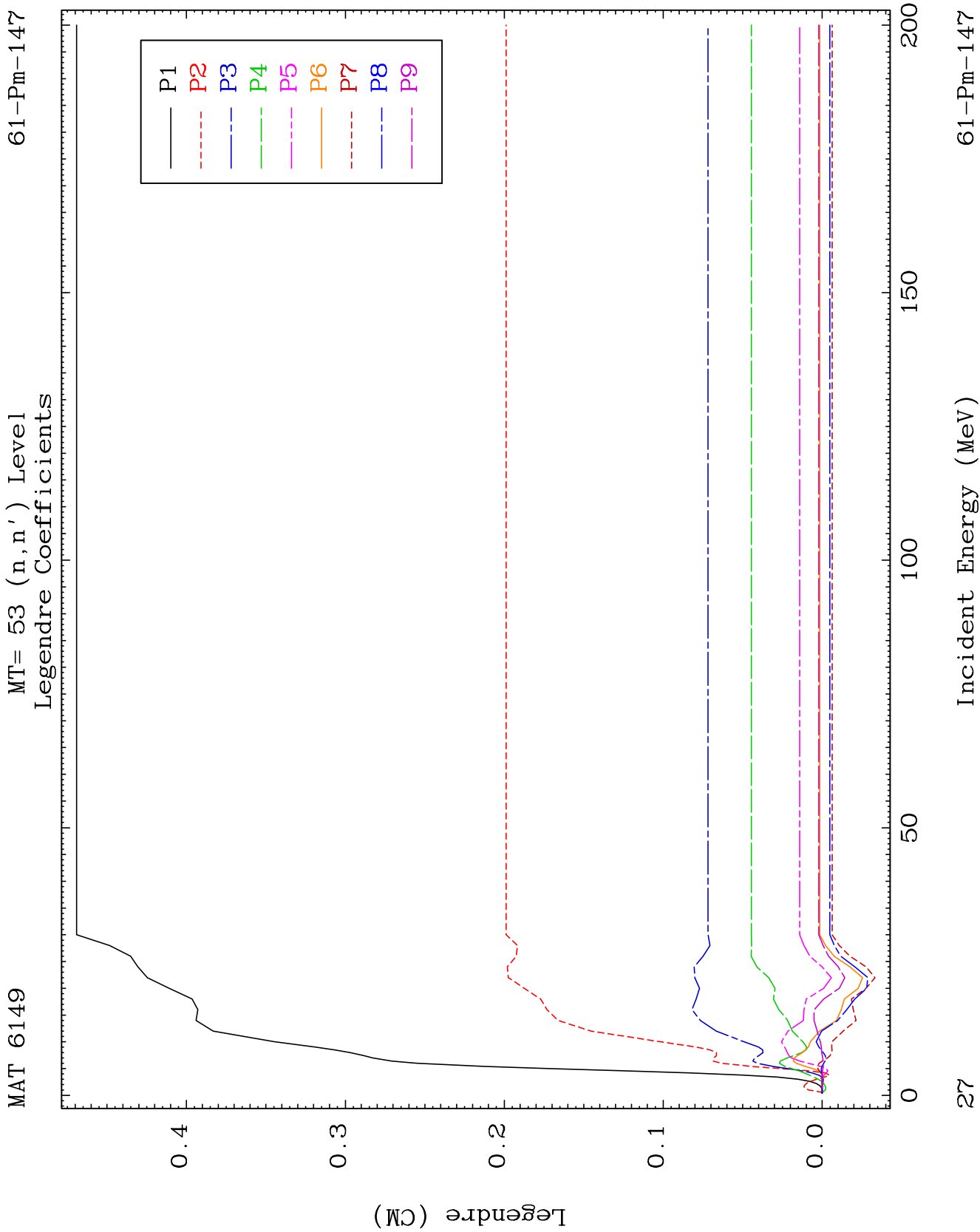
61-Pm-147



26

Incident Energy (MeV)

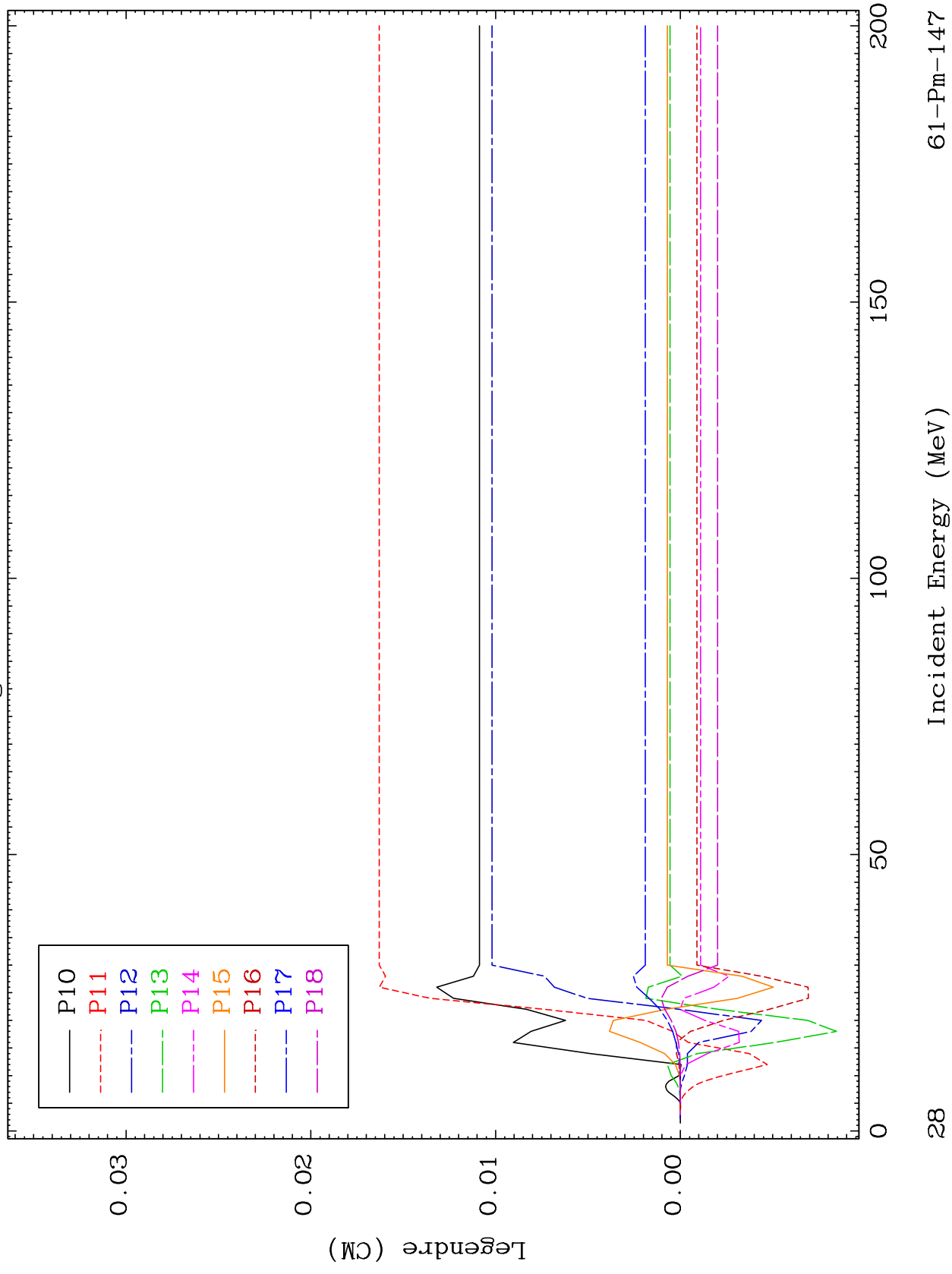
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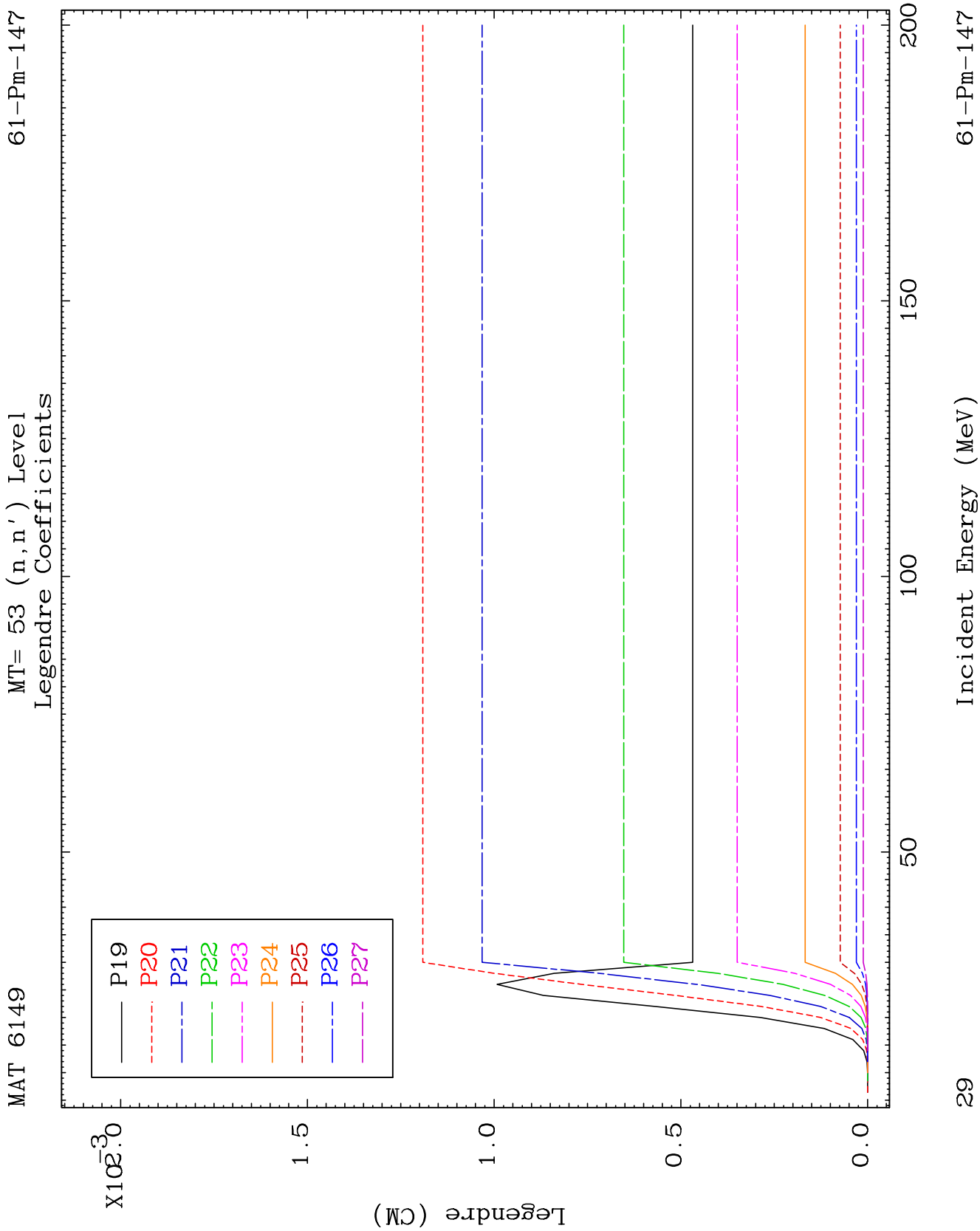


MAT 6149

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

61-Pm-147

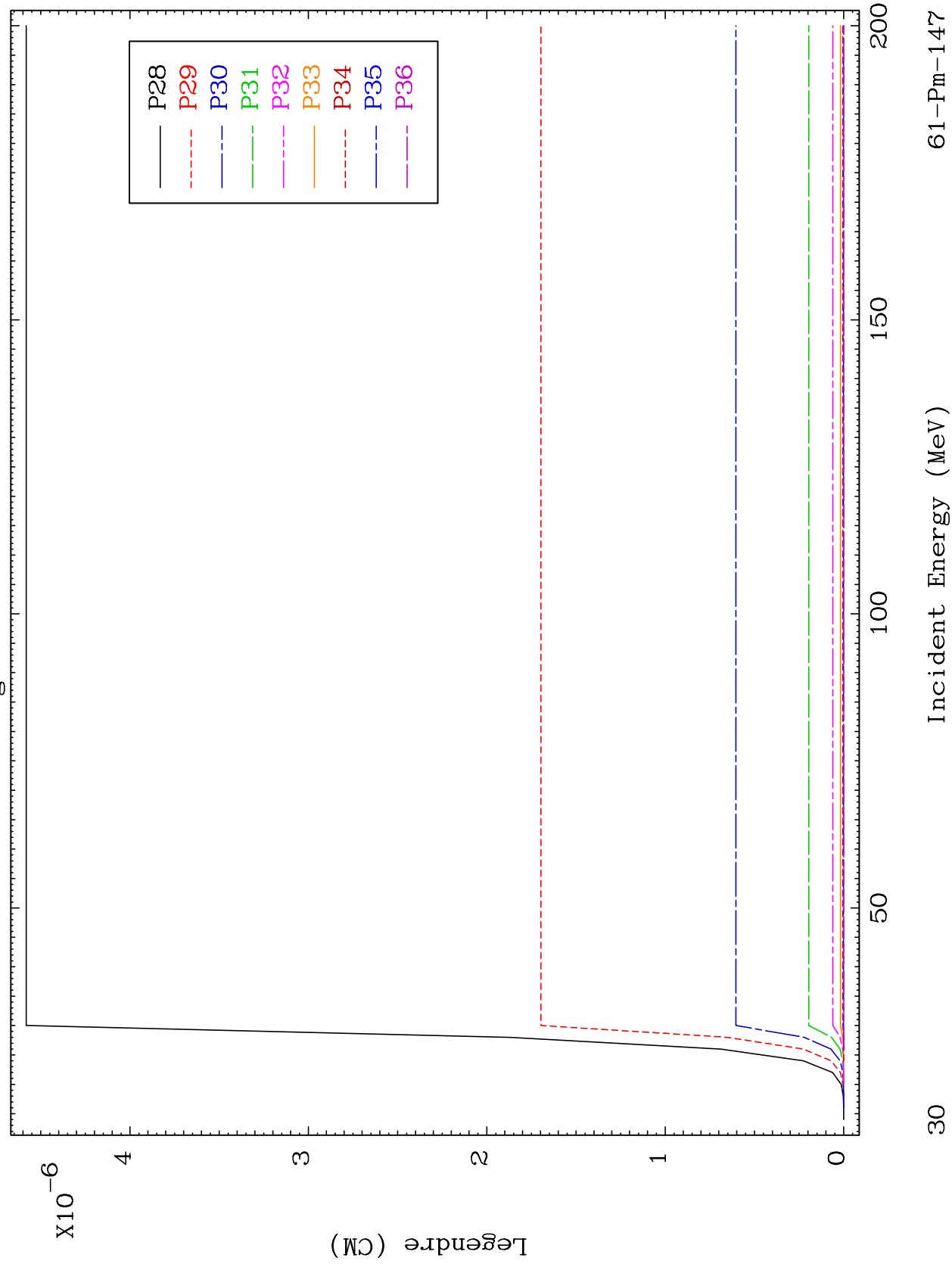


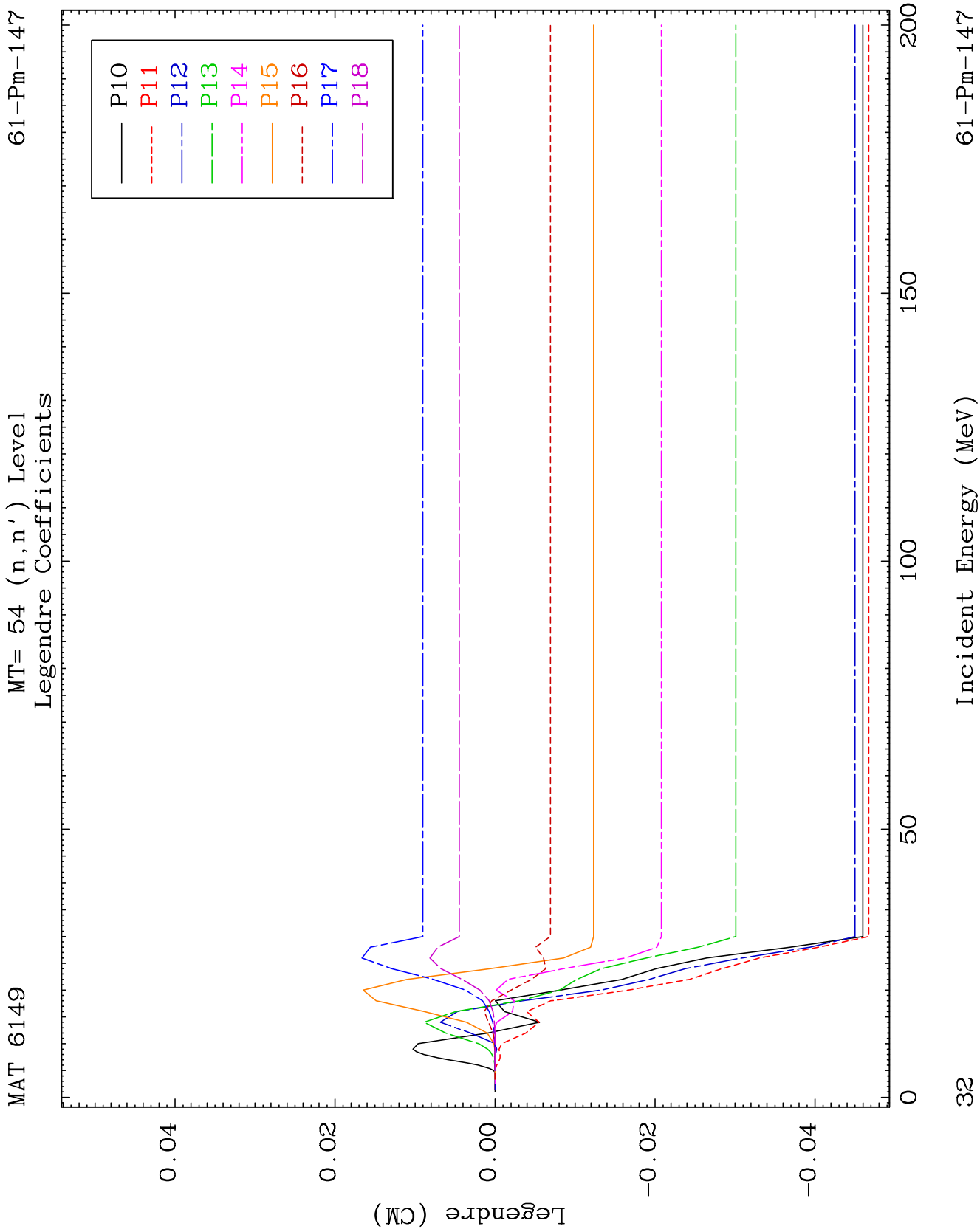


MAT 6149

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

61-Pm-147

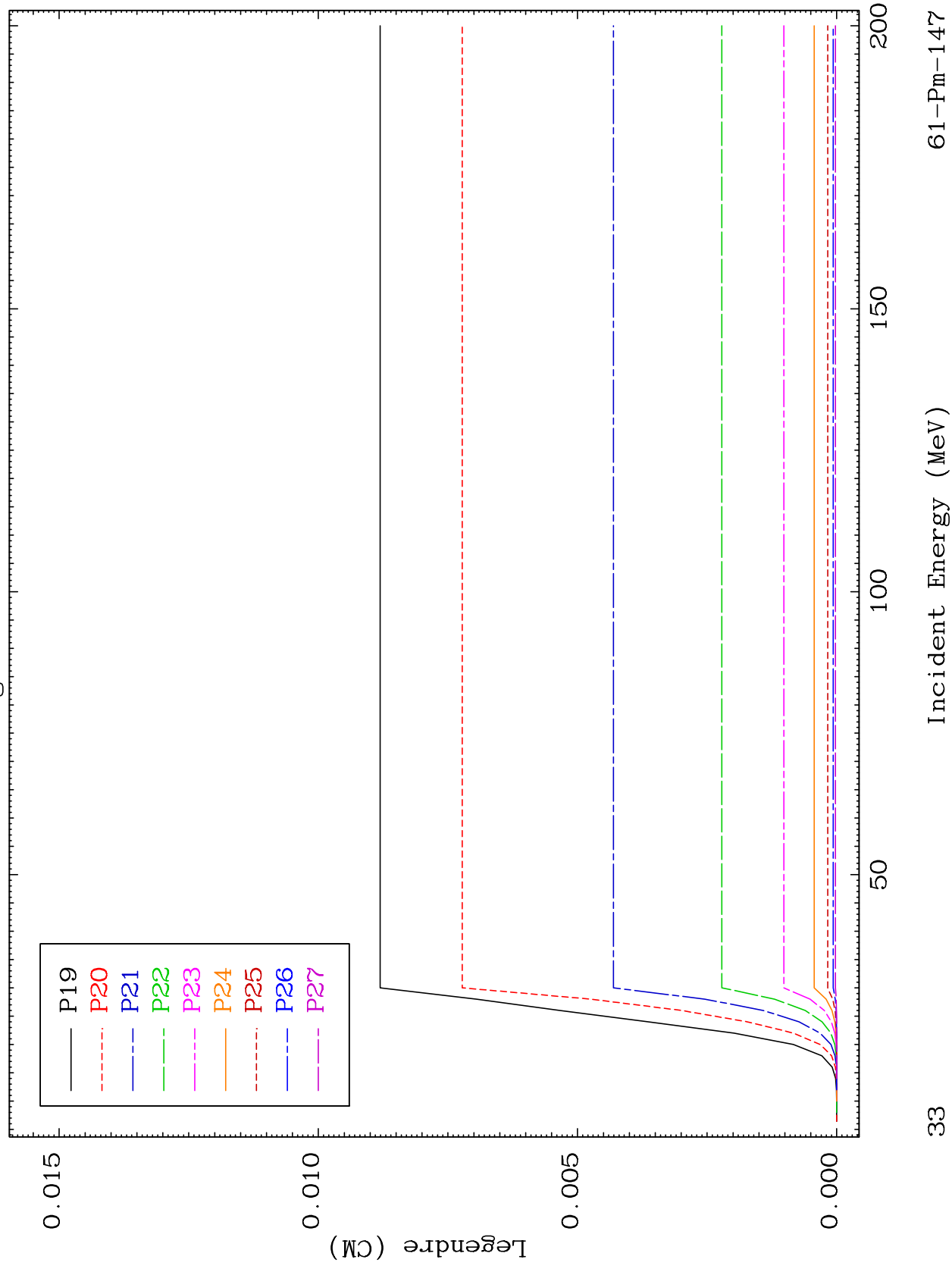


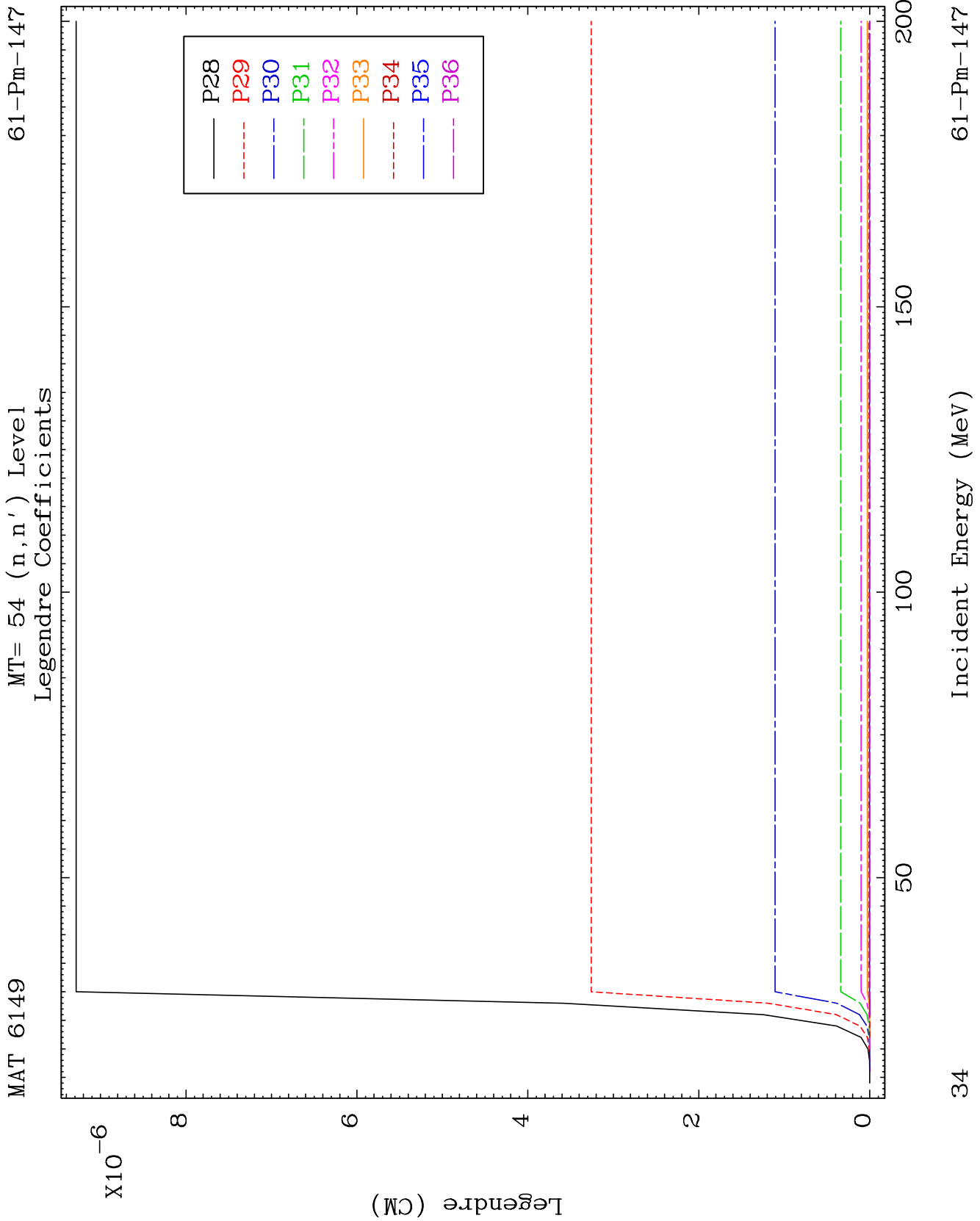


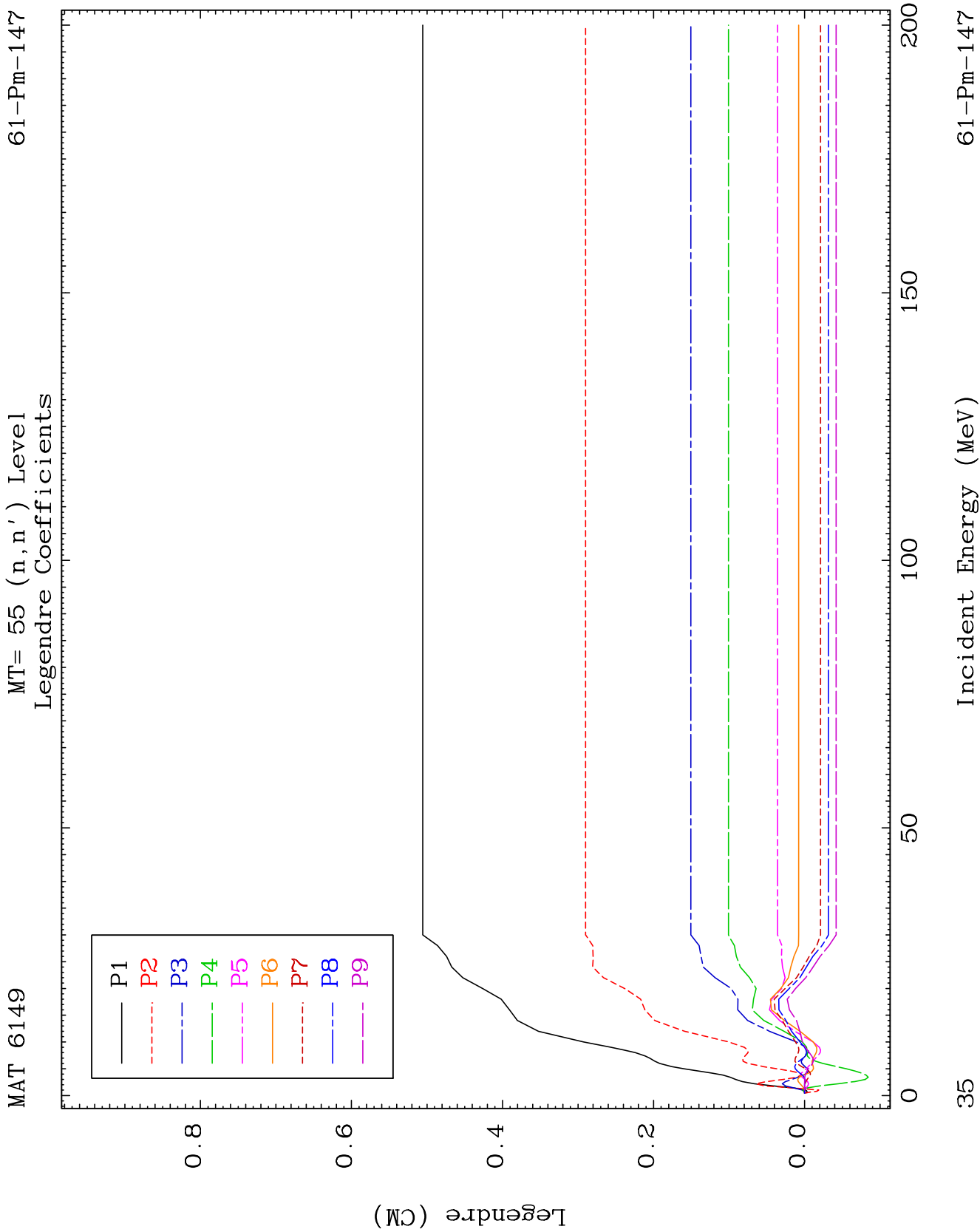
MAT 6149

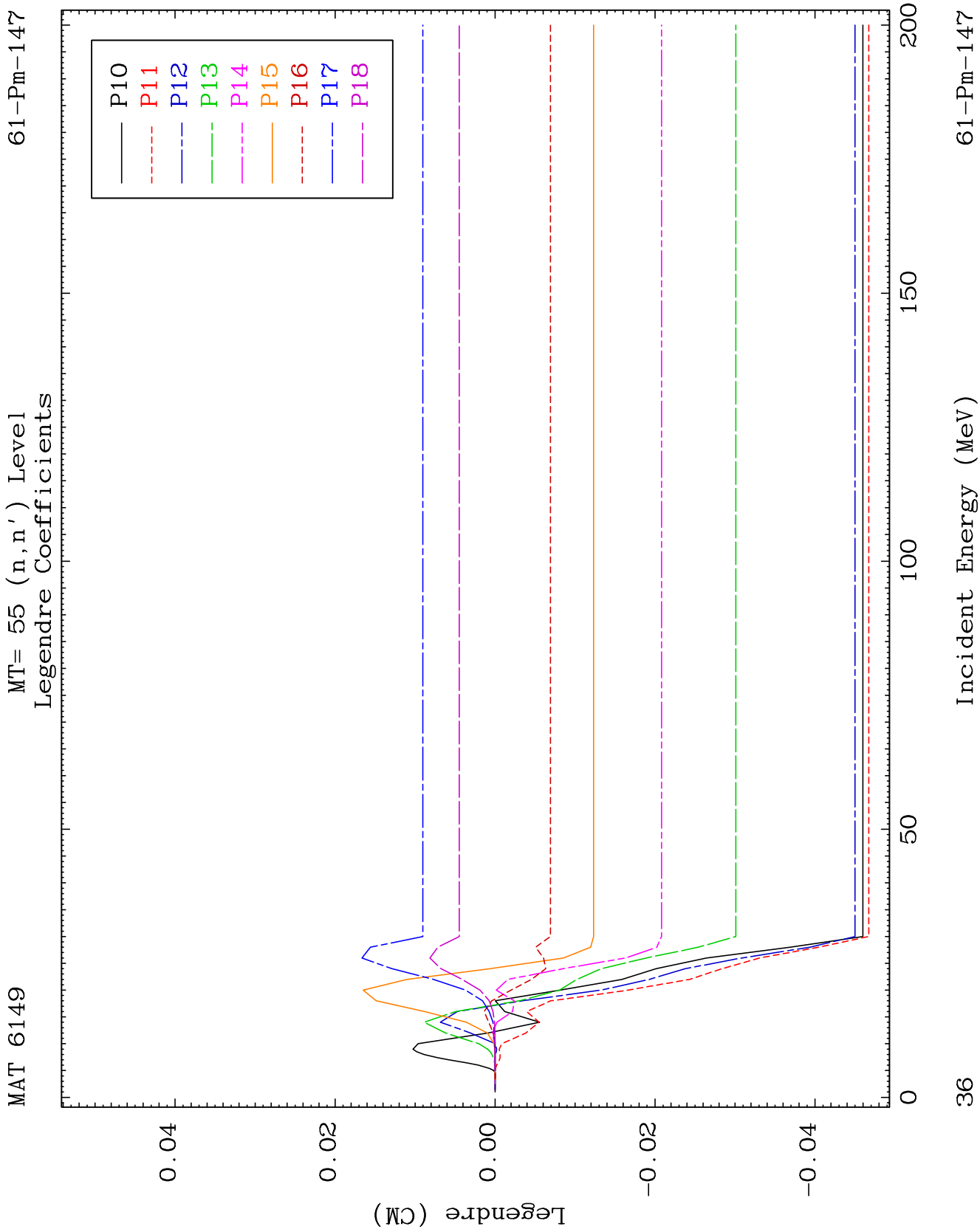
MT= 54 (n, n') Level
Legendre Coefficients

61-Pm-147





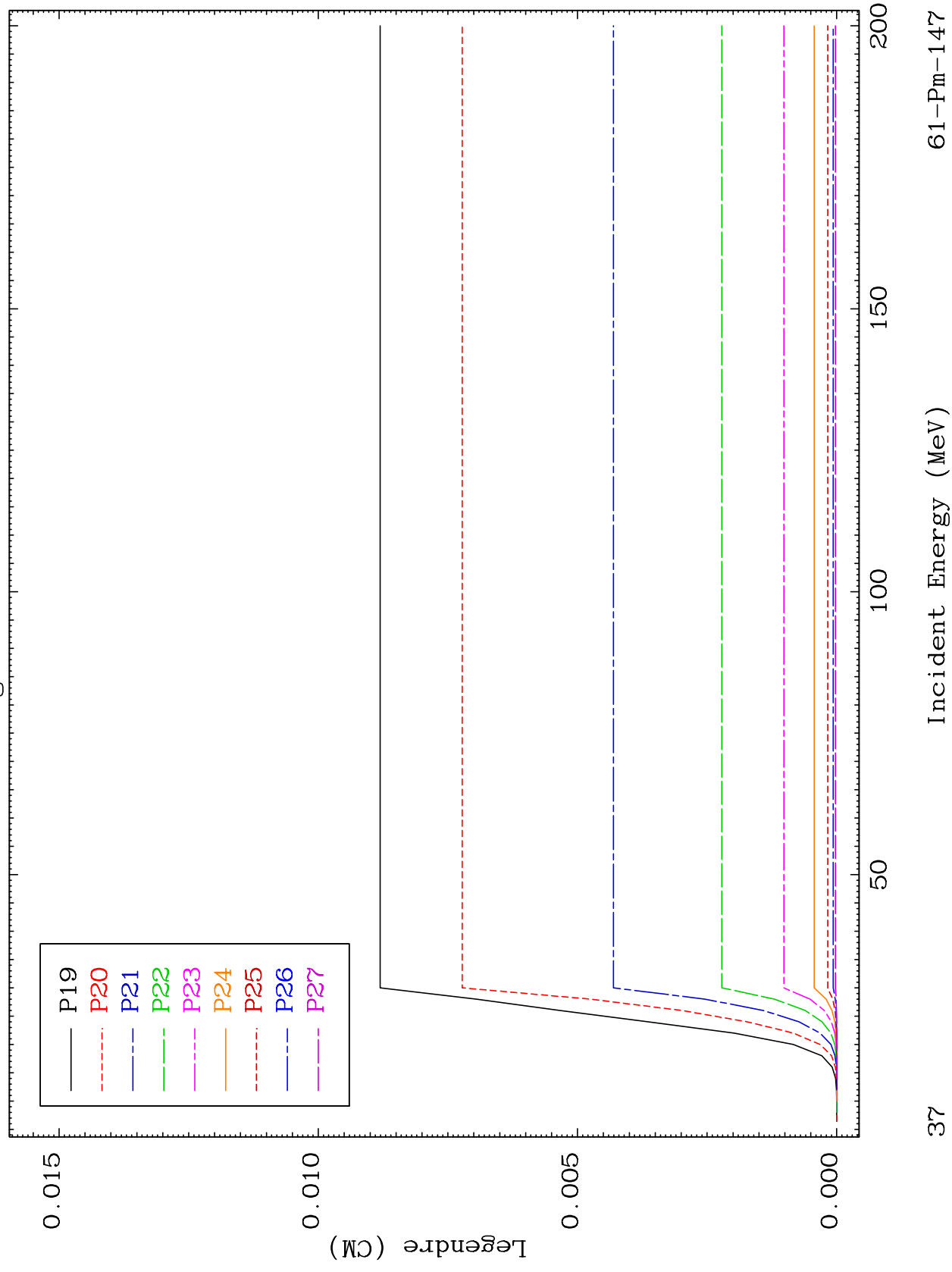


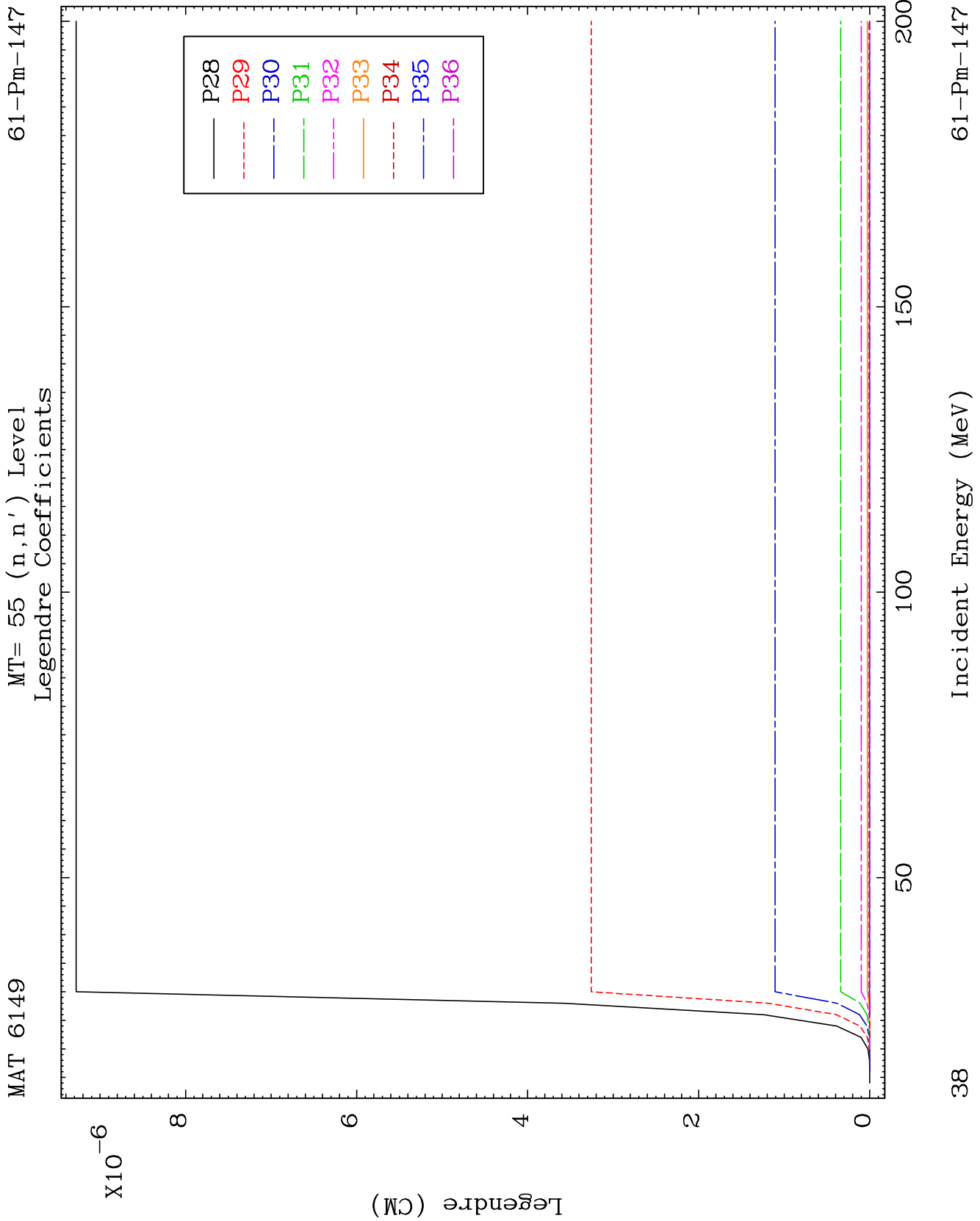


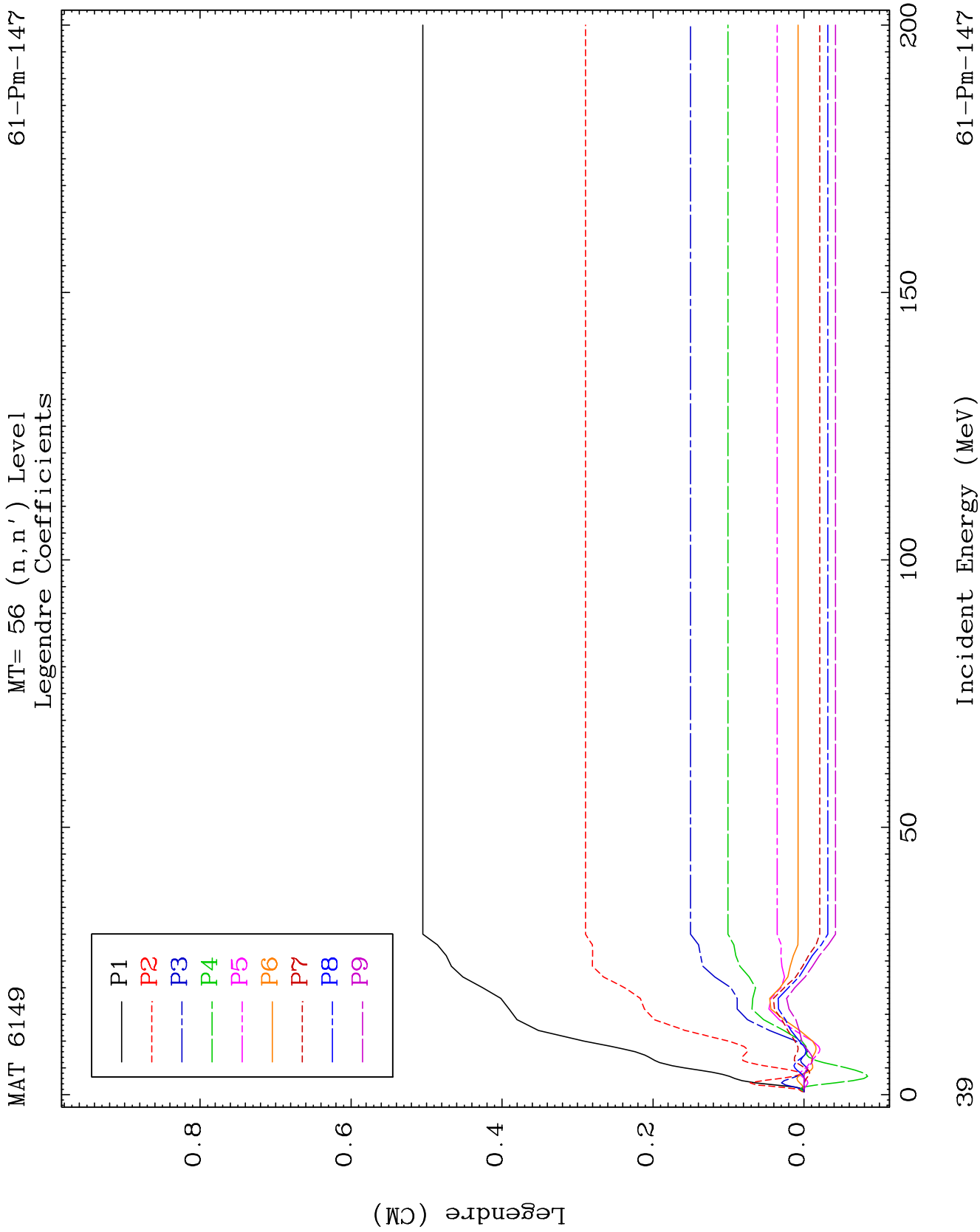
MAT 6149

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

61-Pm-147



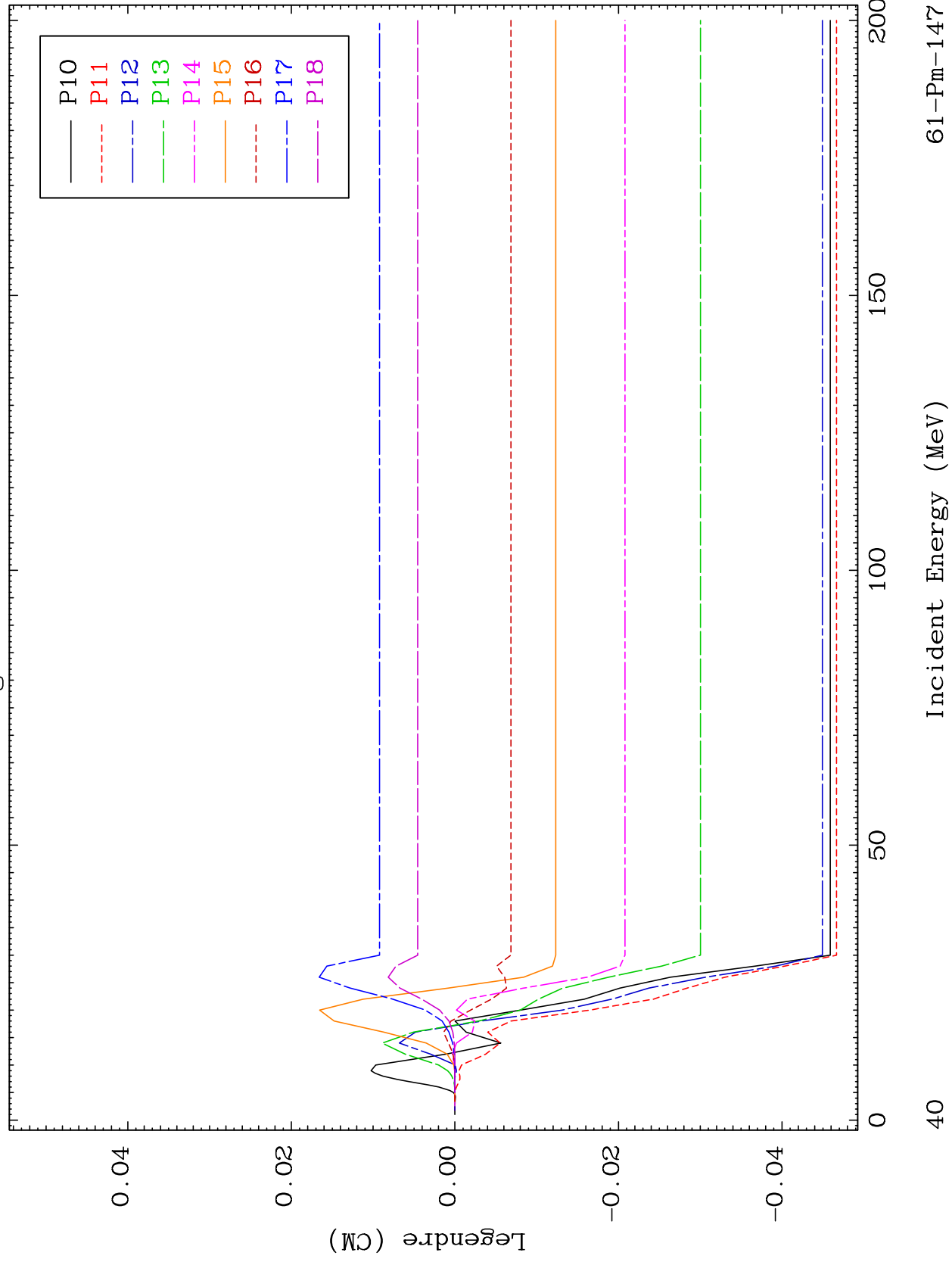




MAT 6149

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

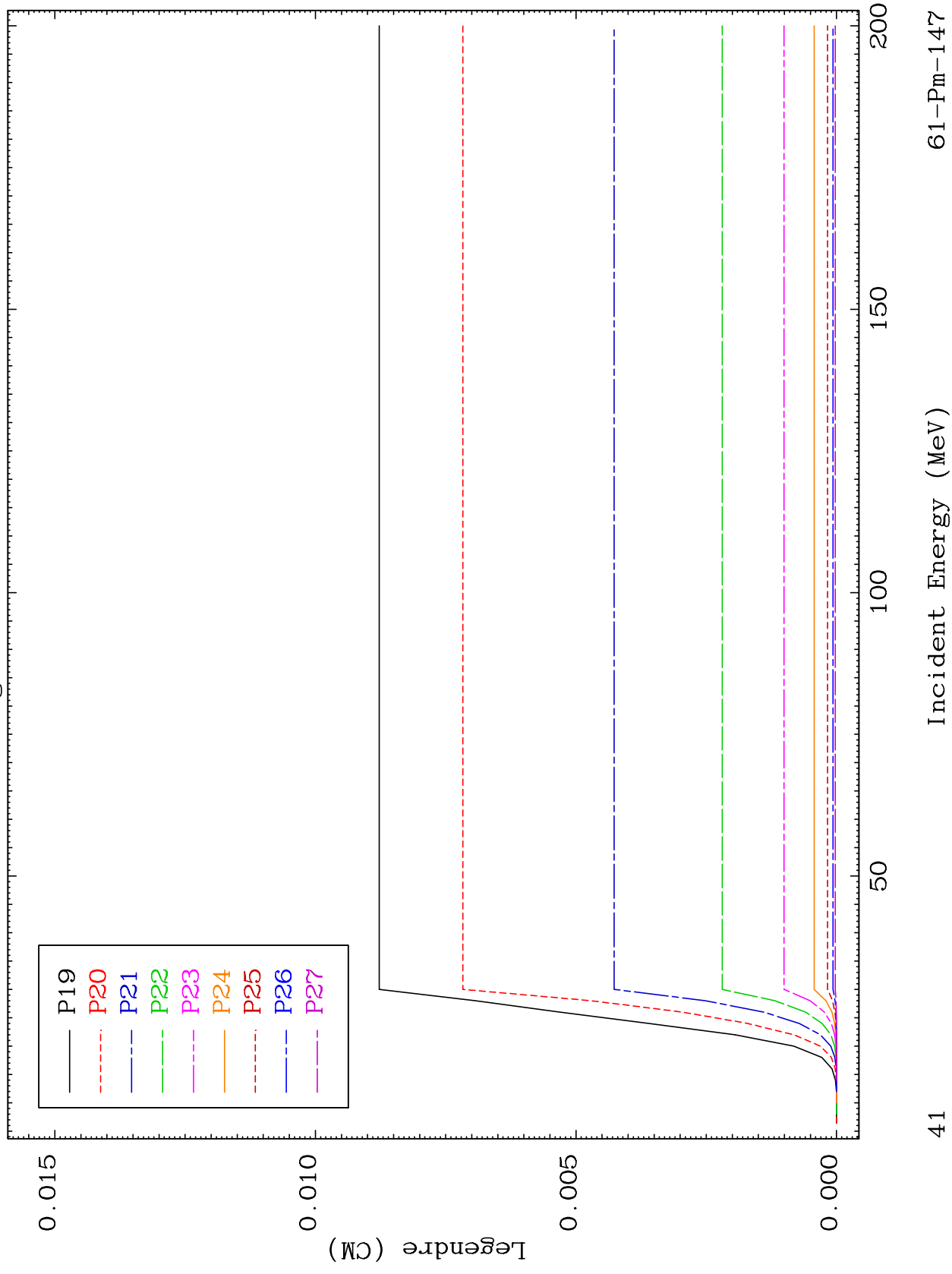
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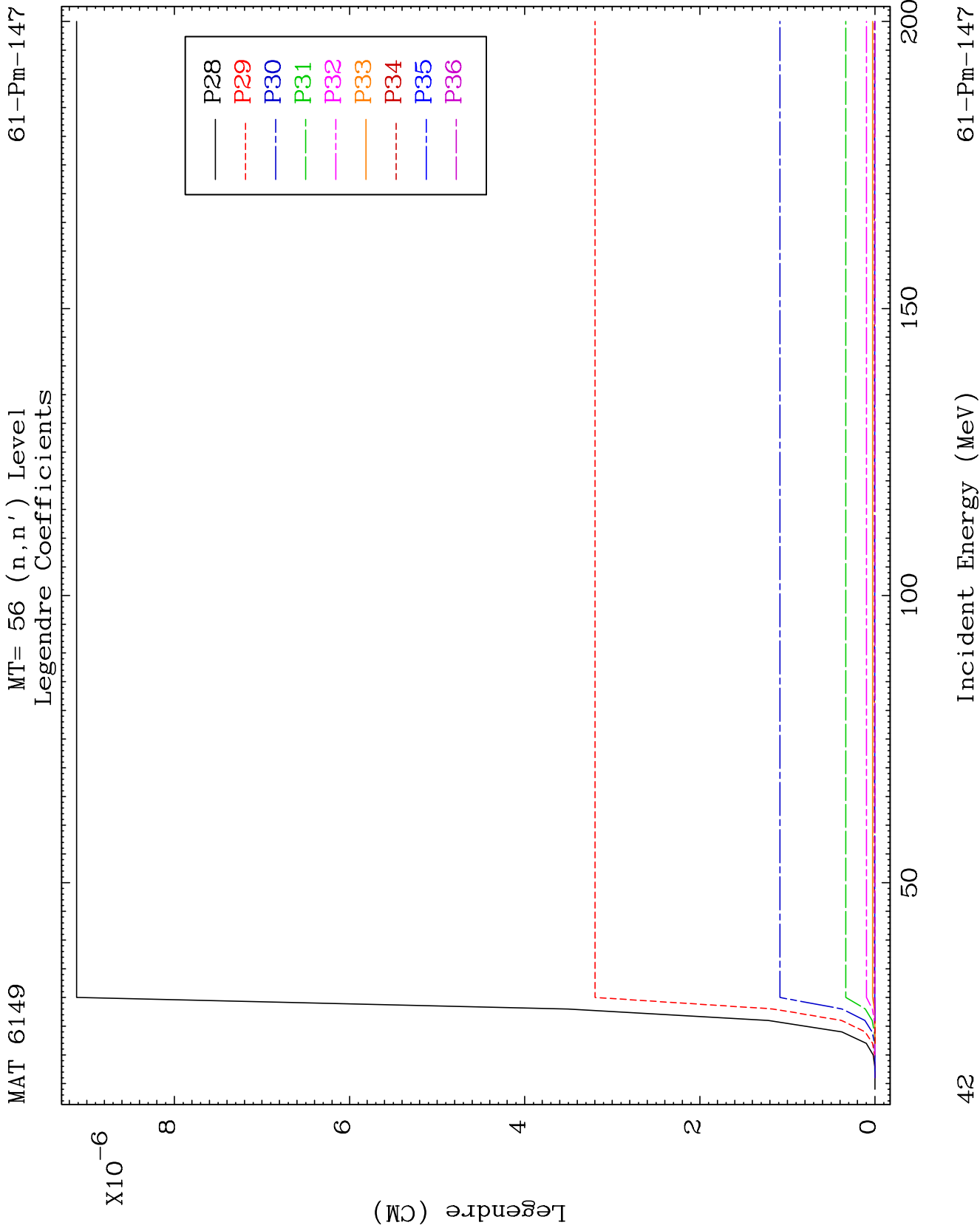


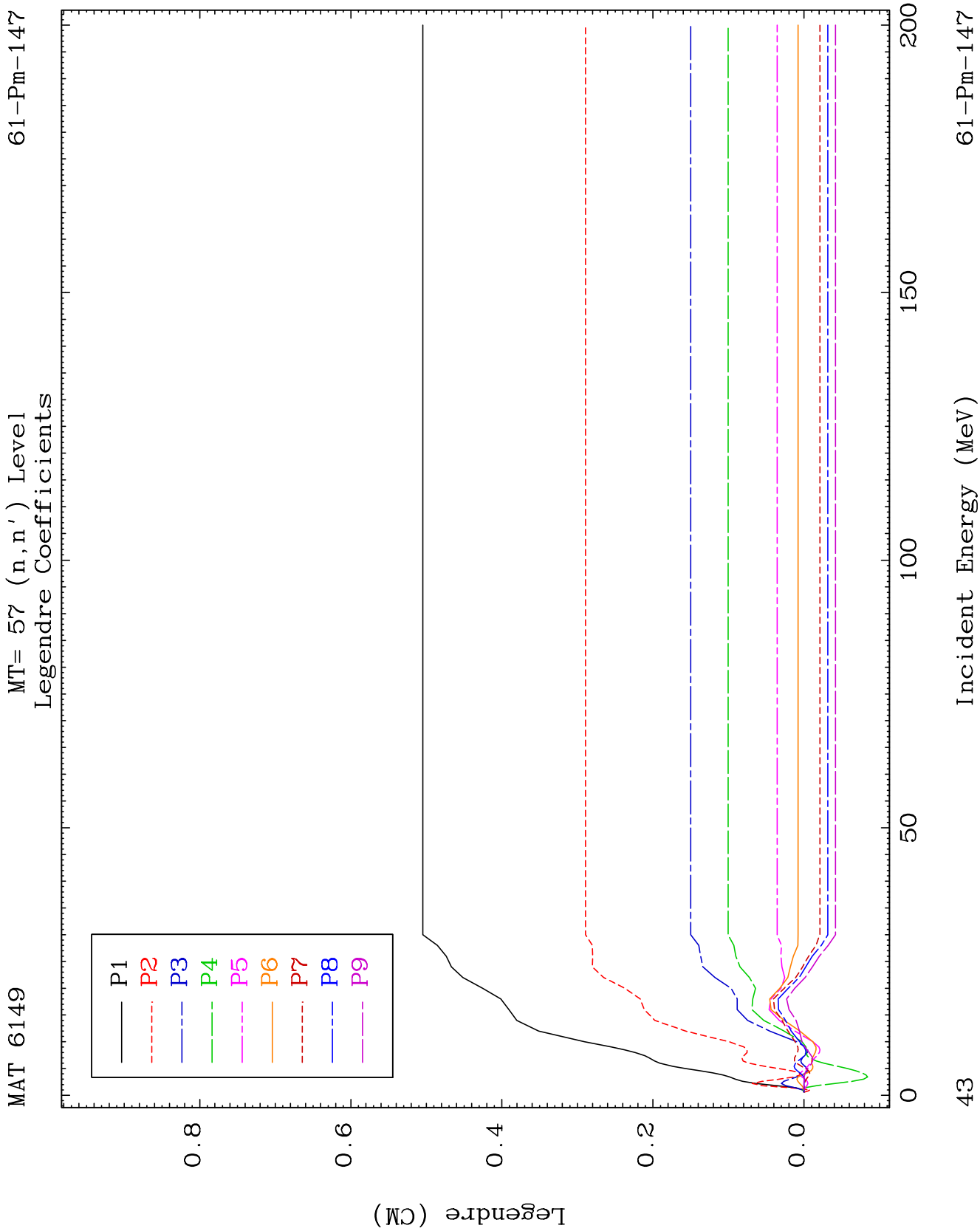
MAT 6149

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

61-Pm-147



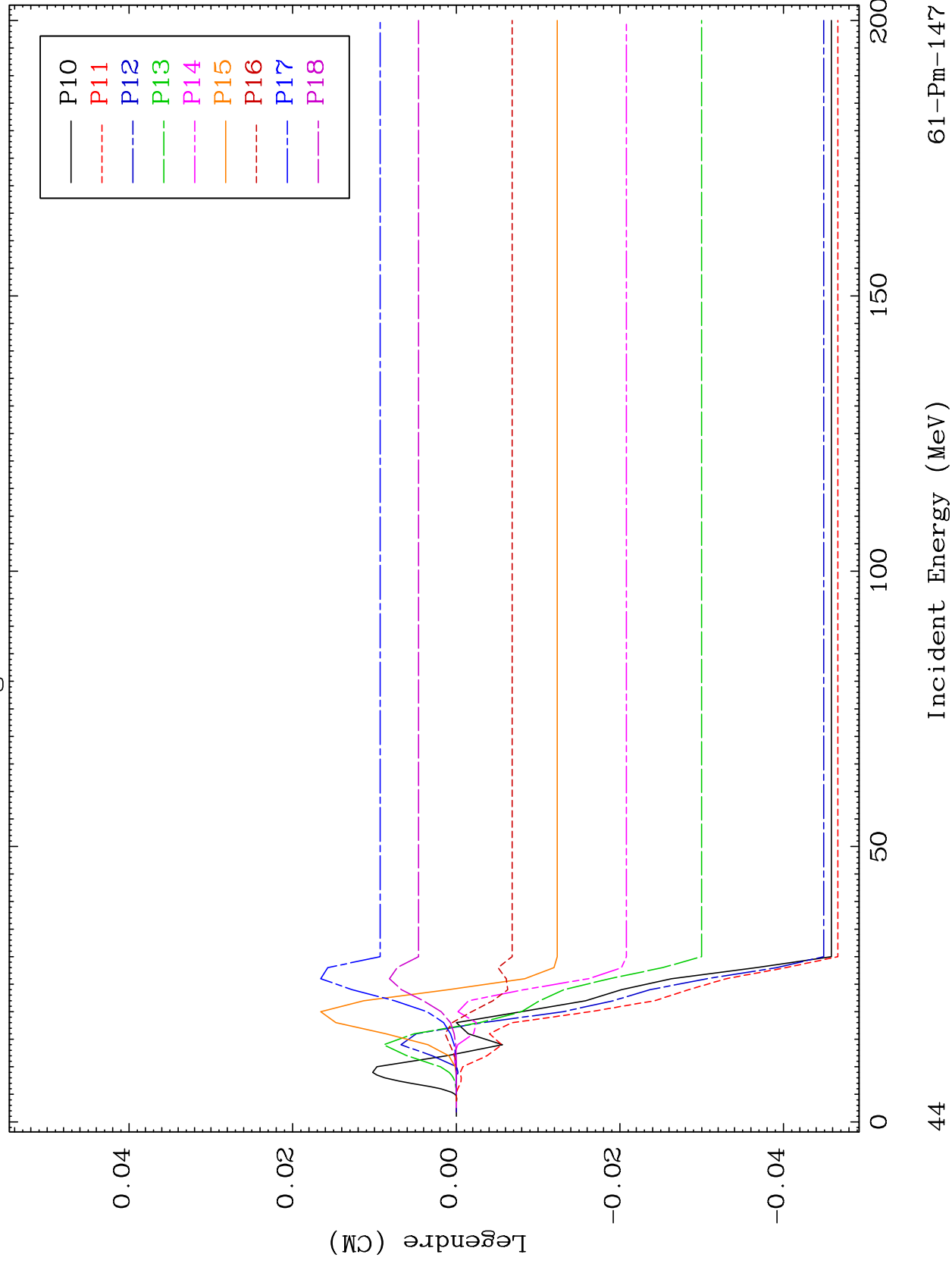


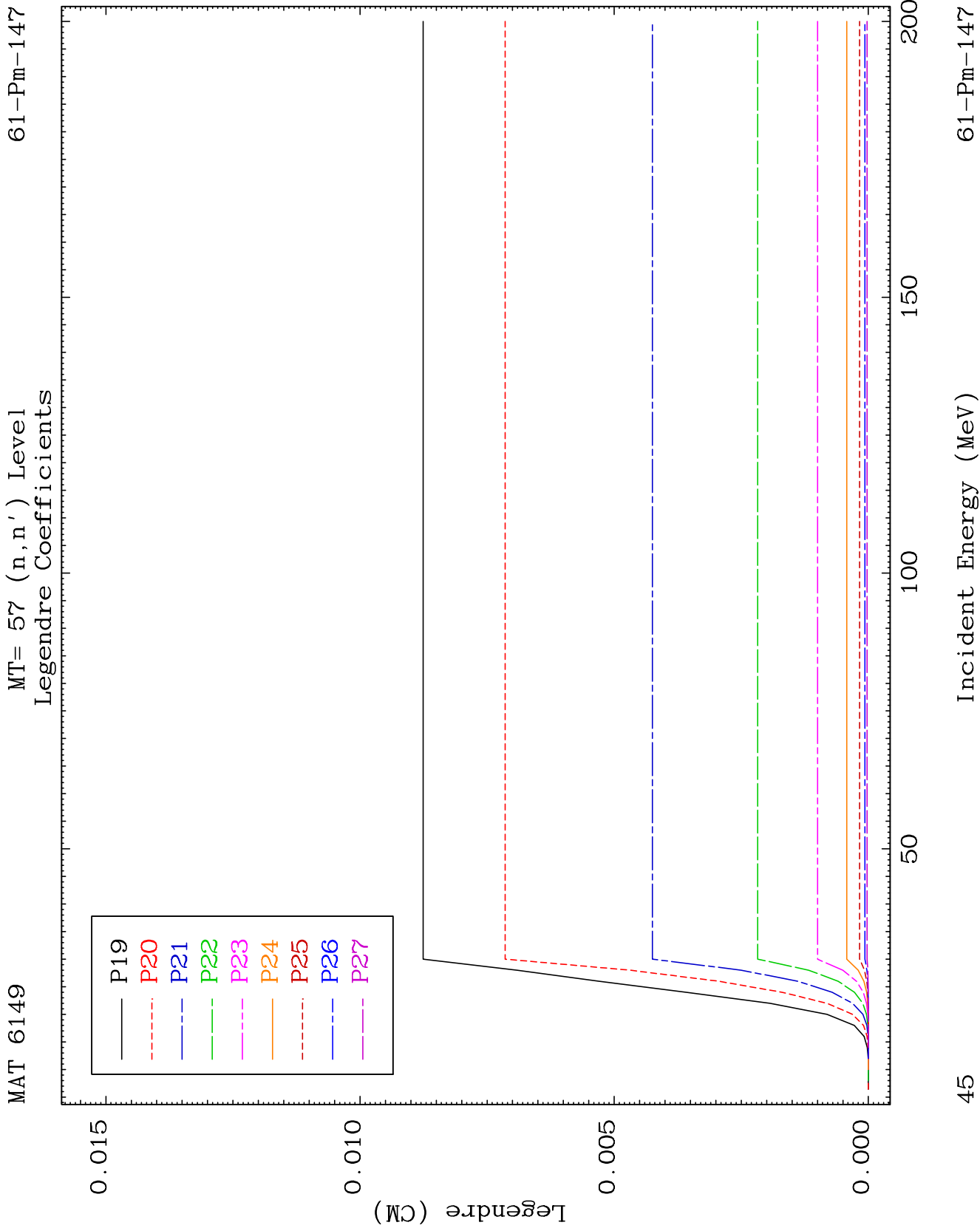


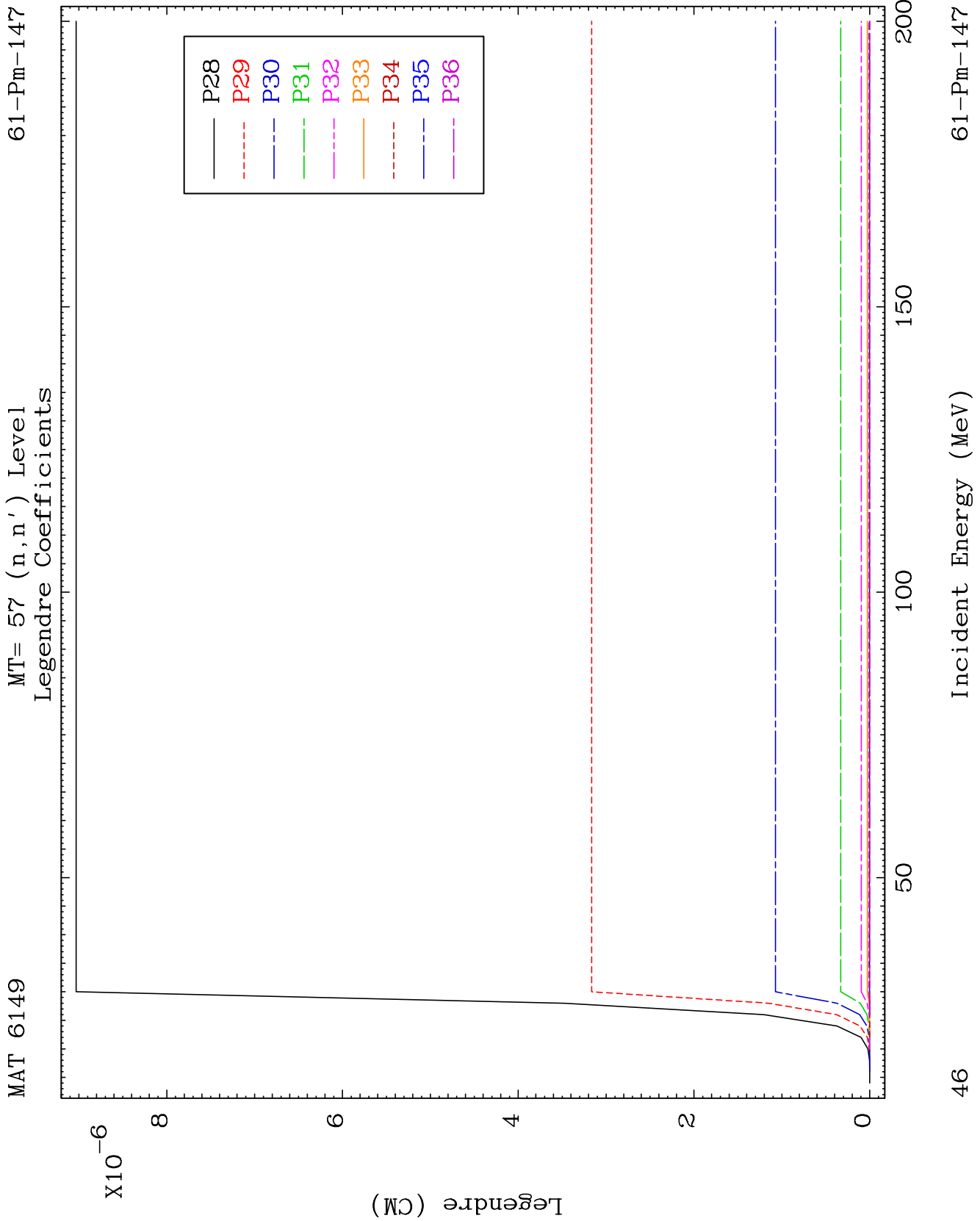
MAT 6149

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

61-Pm-147



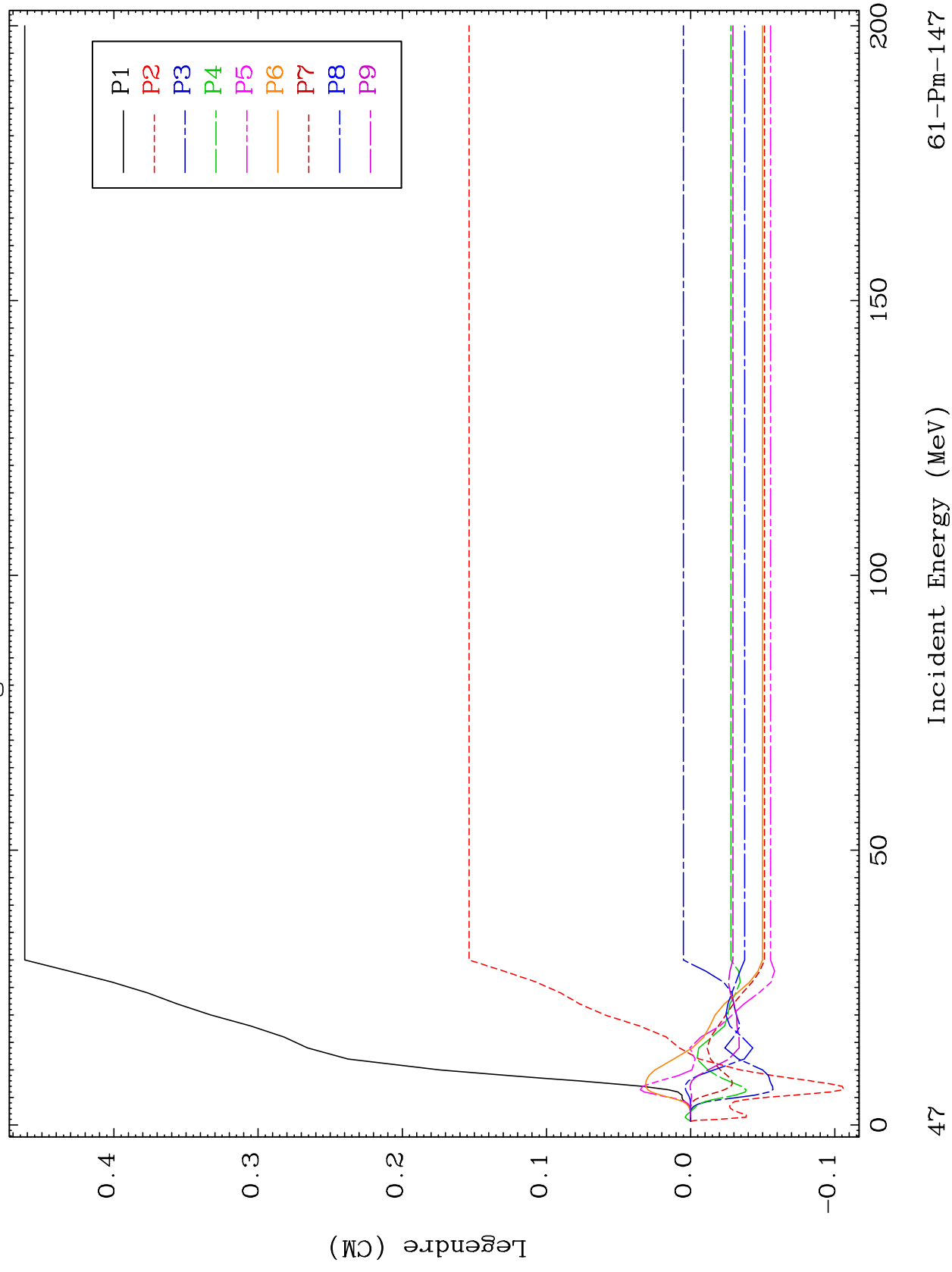




MAT 6149

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

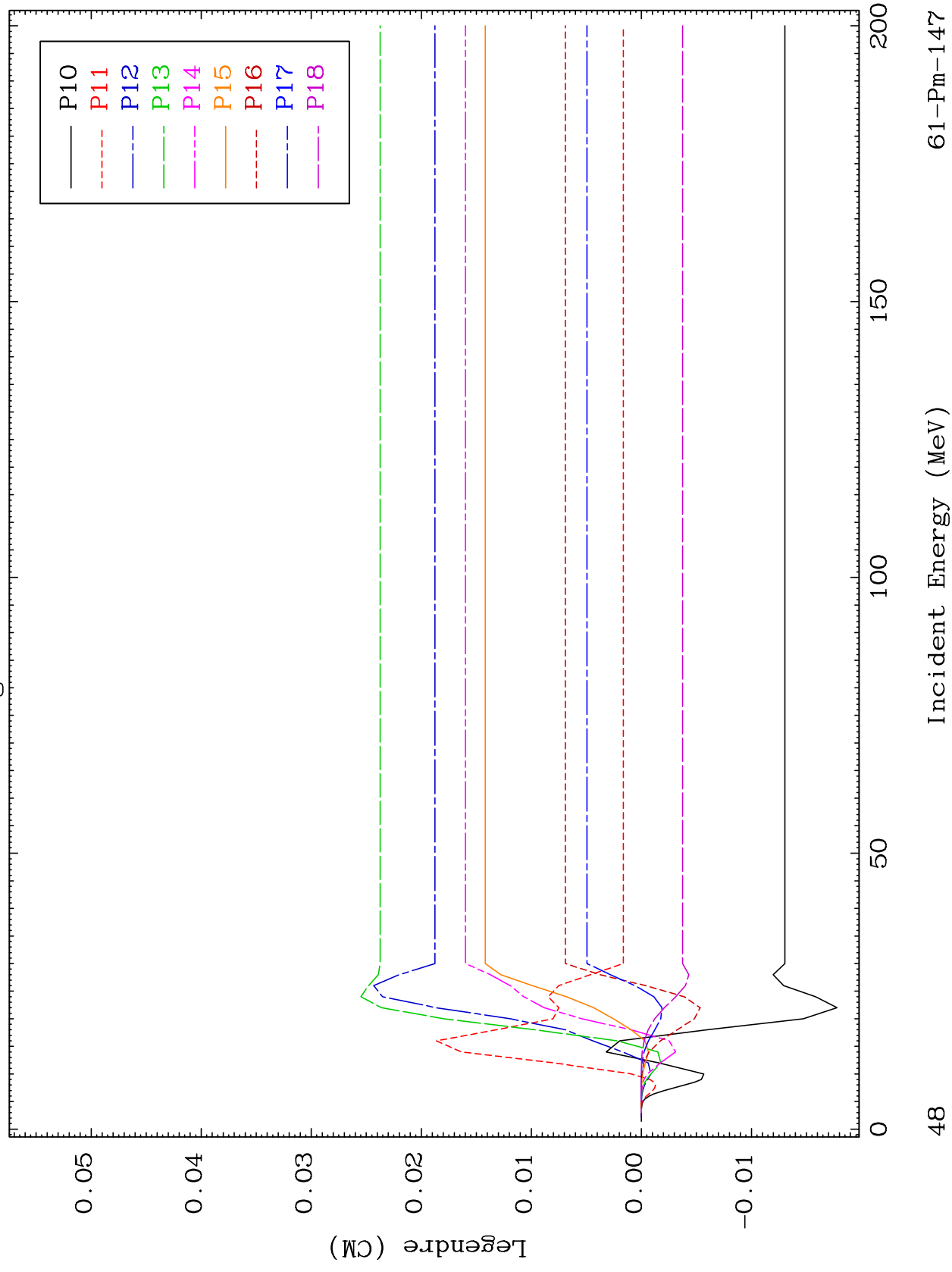
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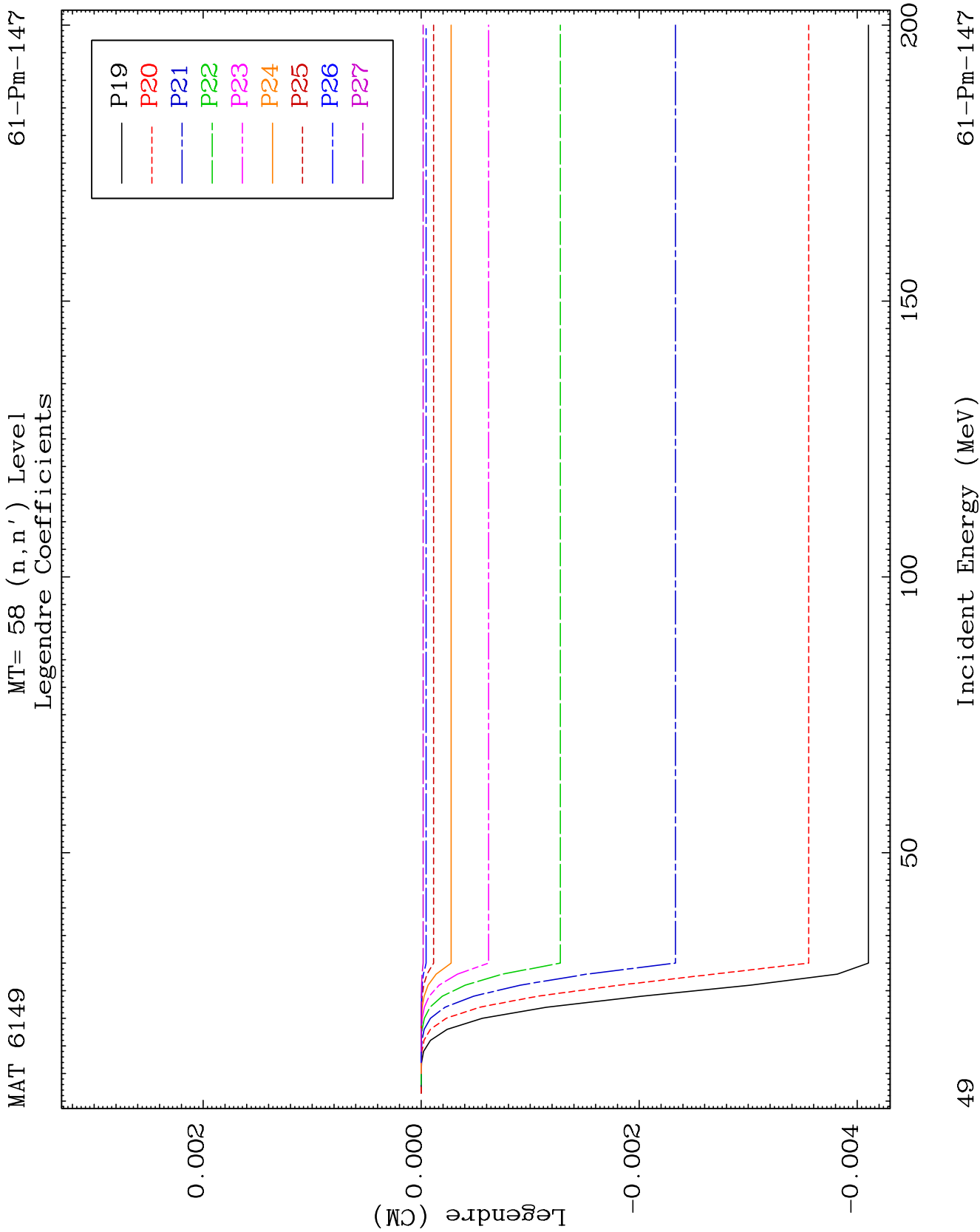


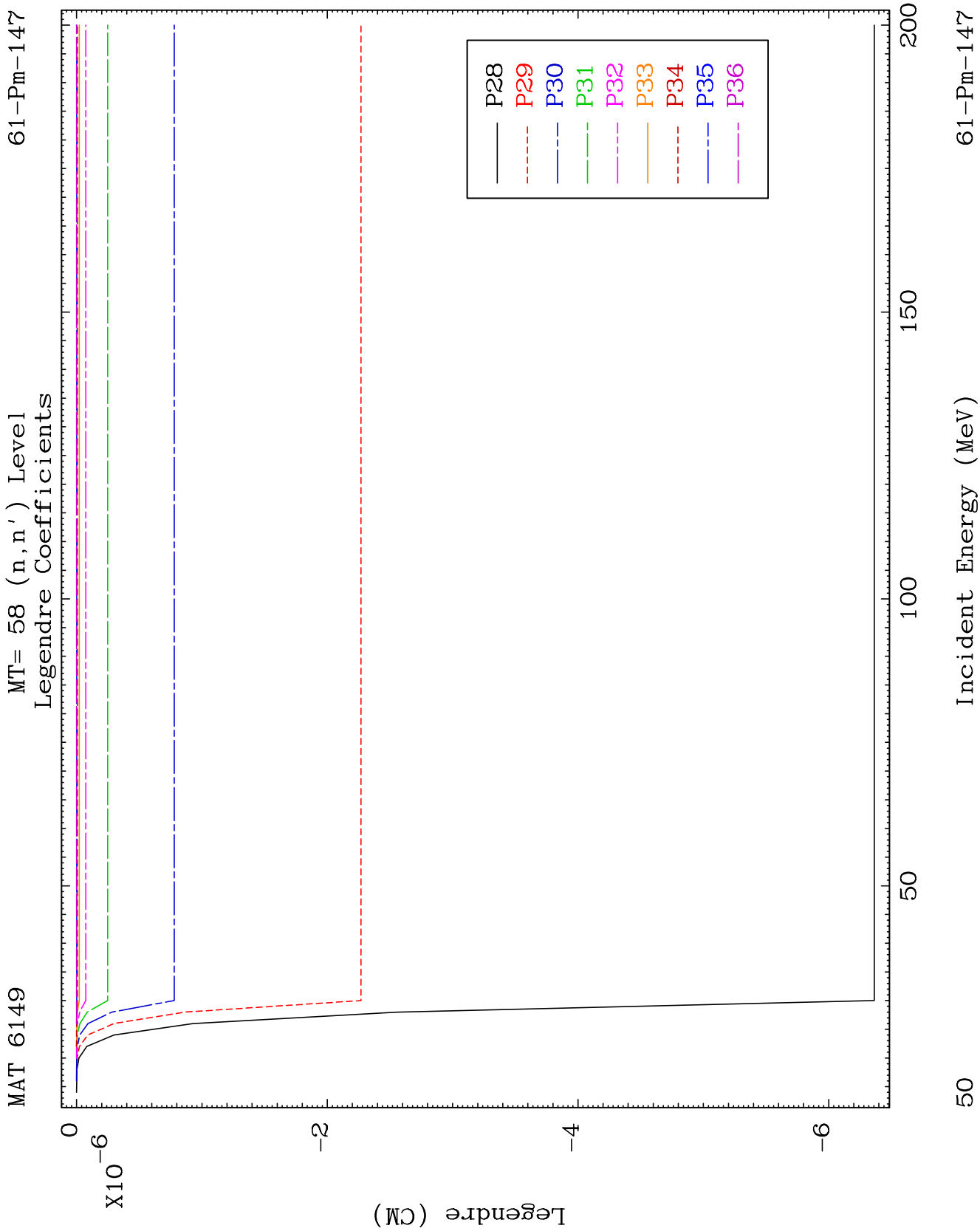
MAT 6149

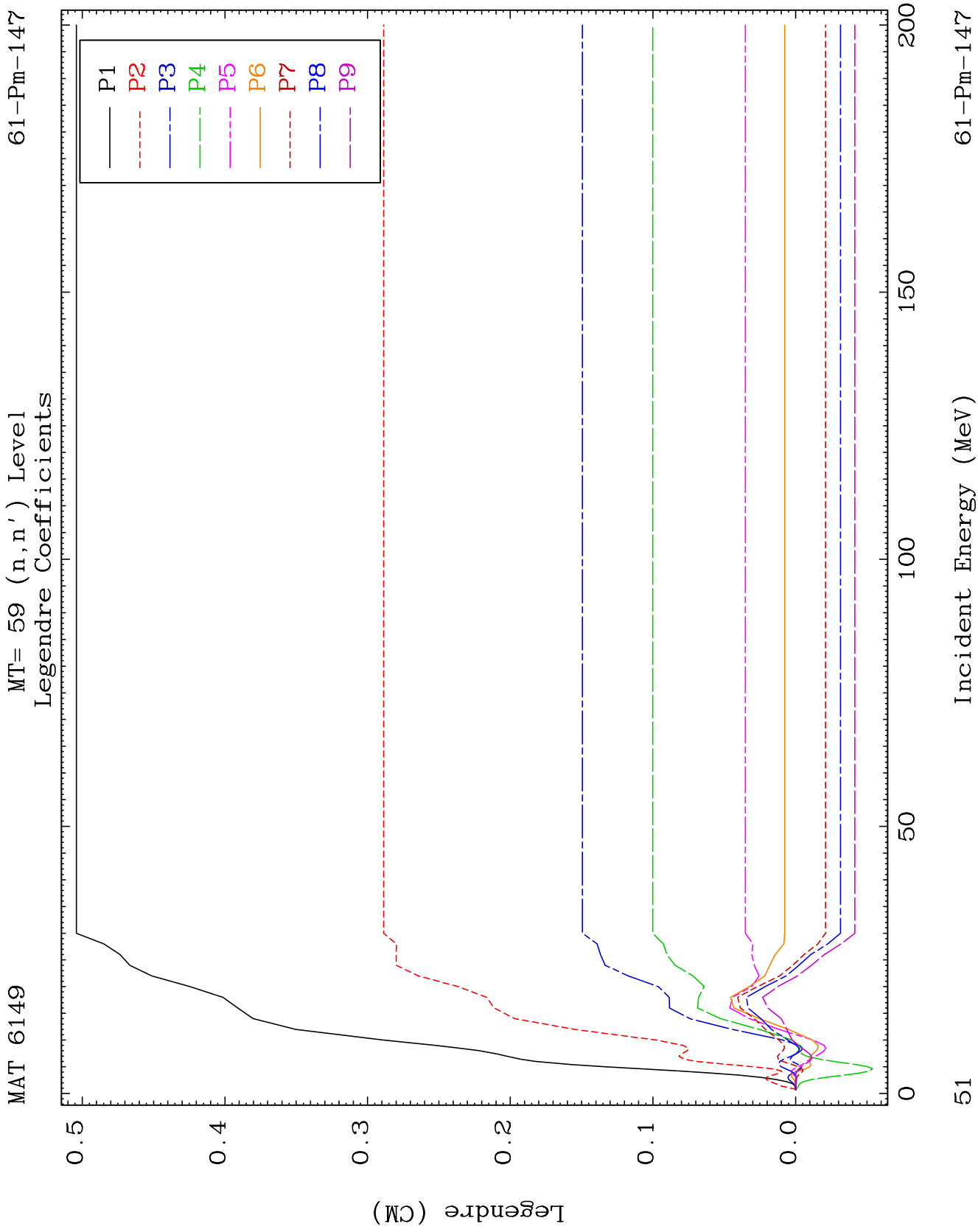
MT= 58 (n, n') Level
Legendre Coefficients

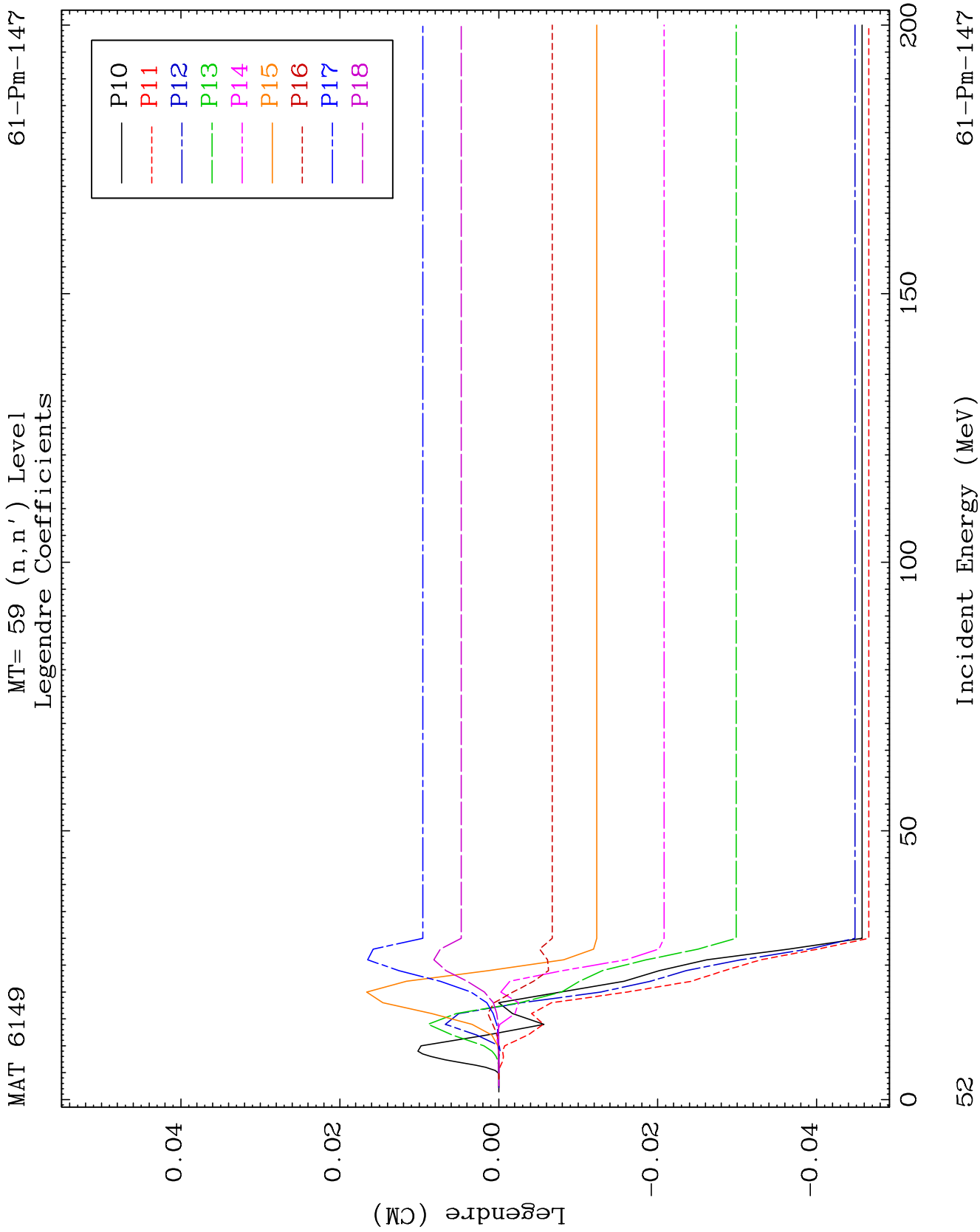
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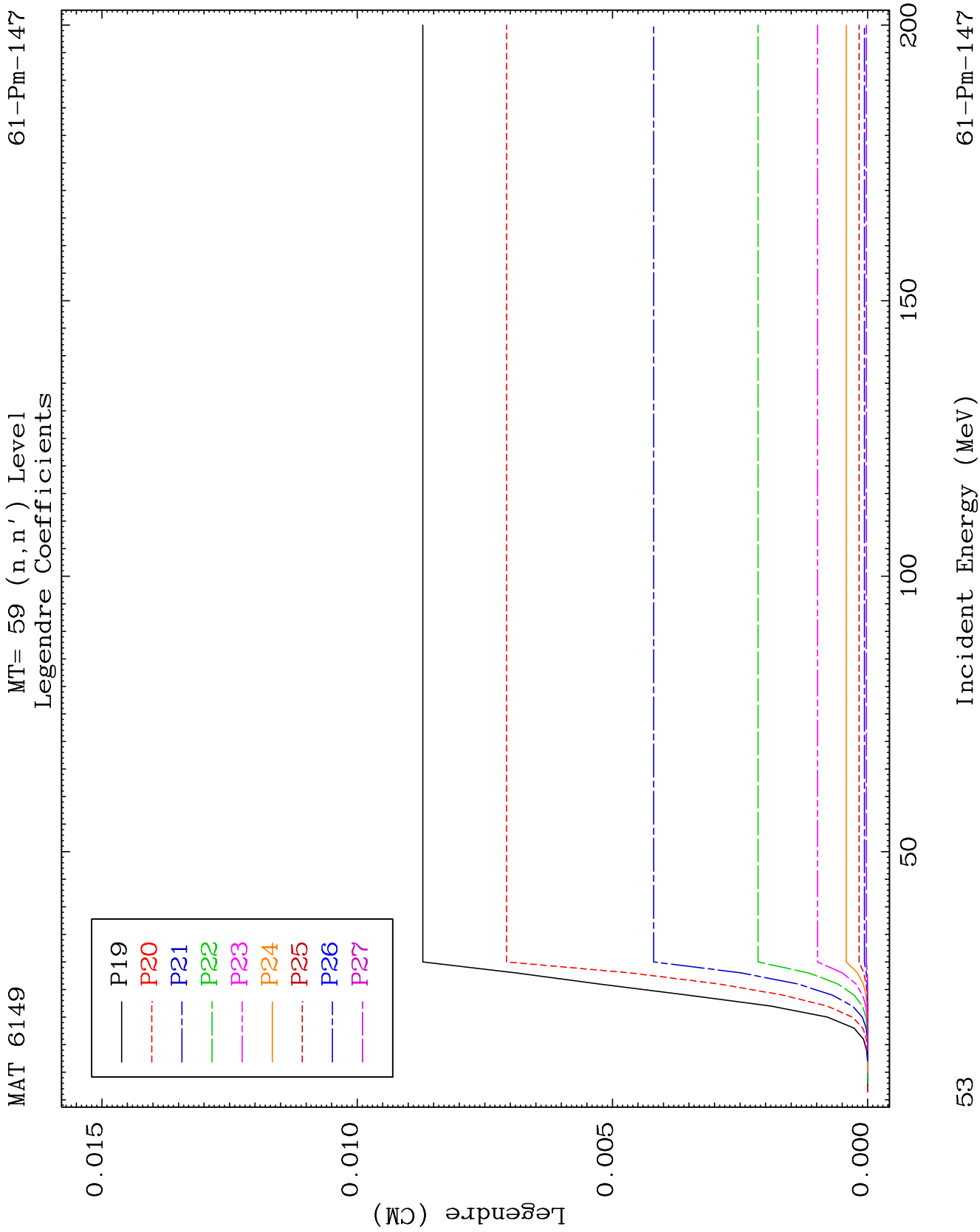


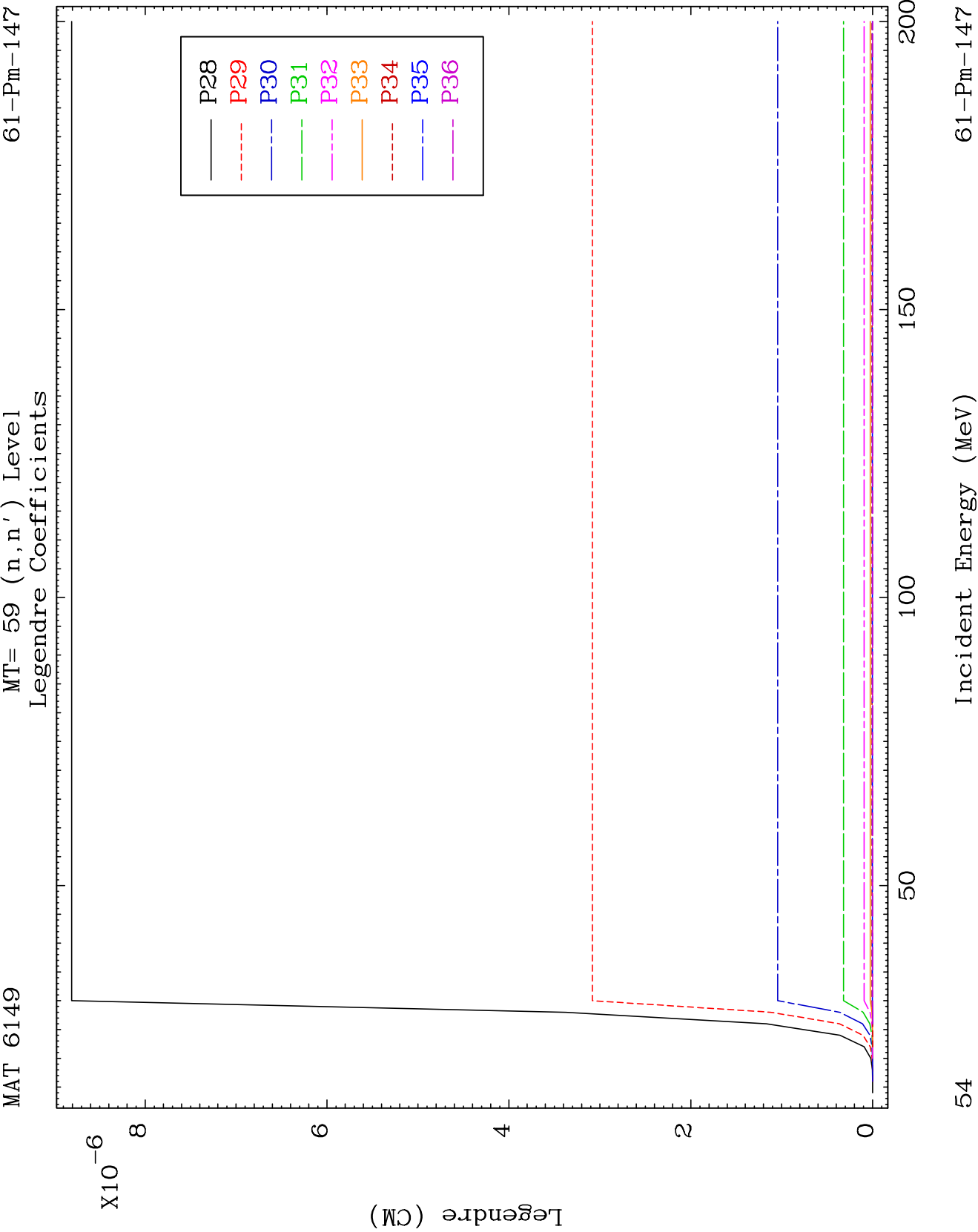


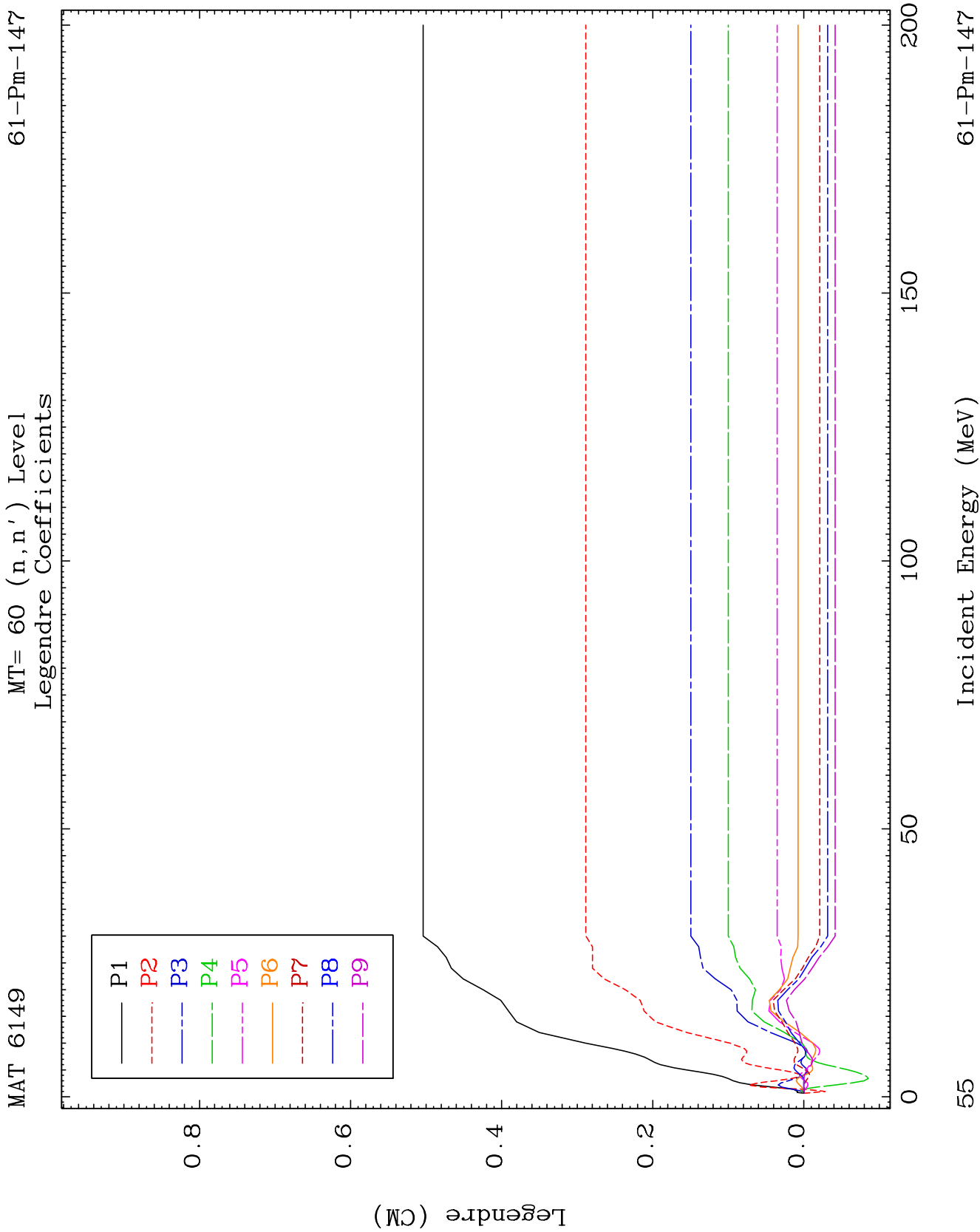


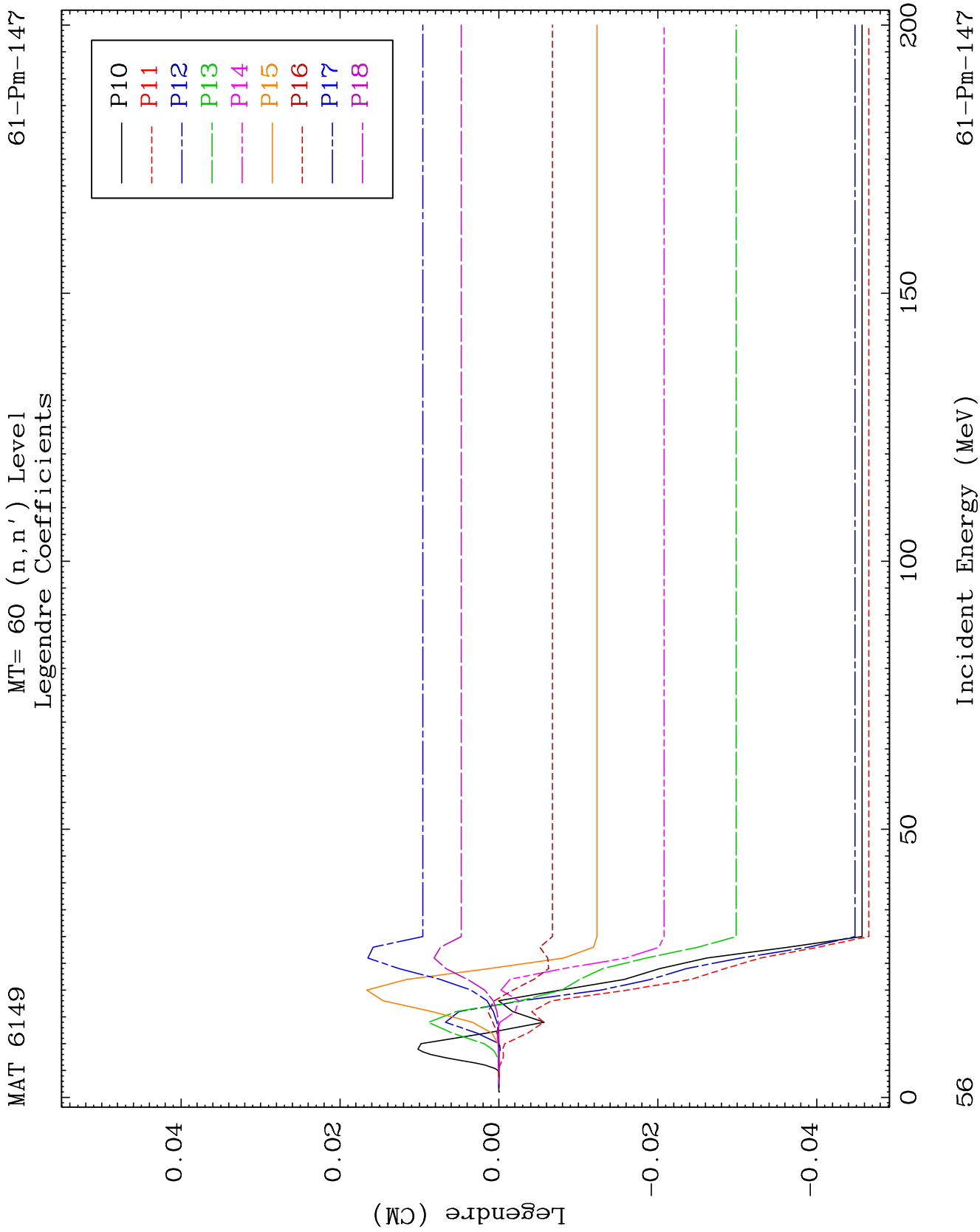


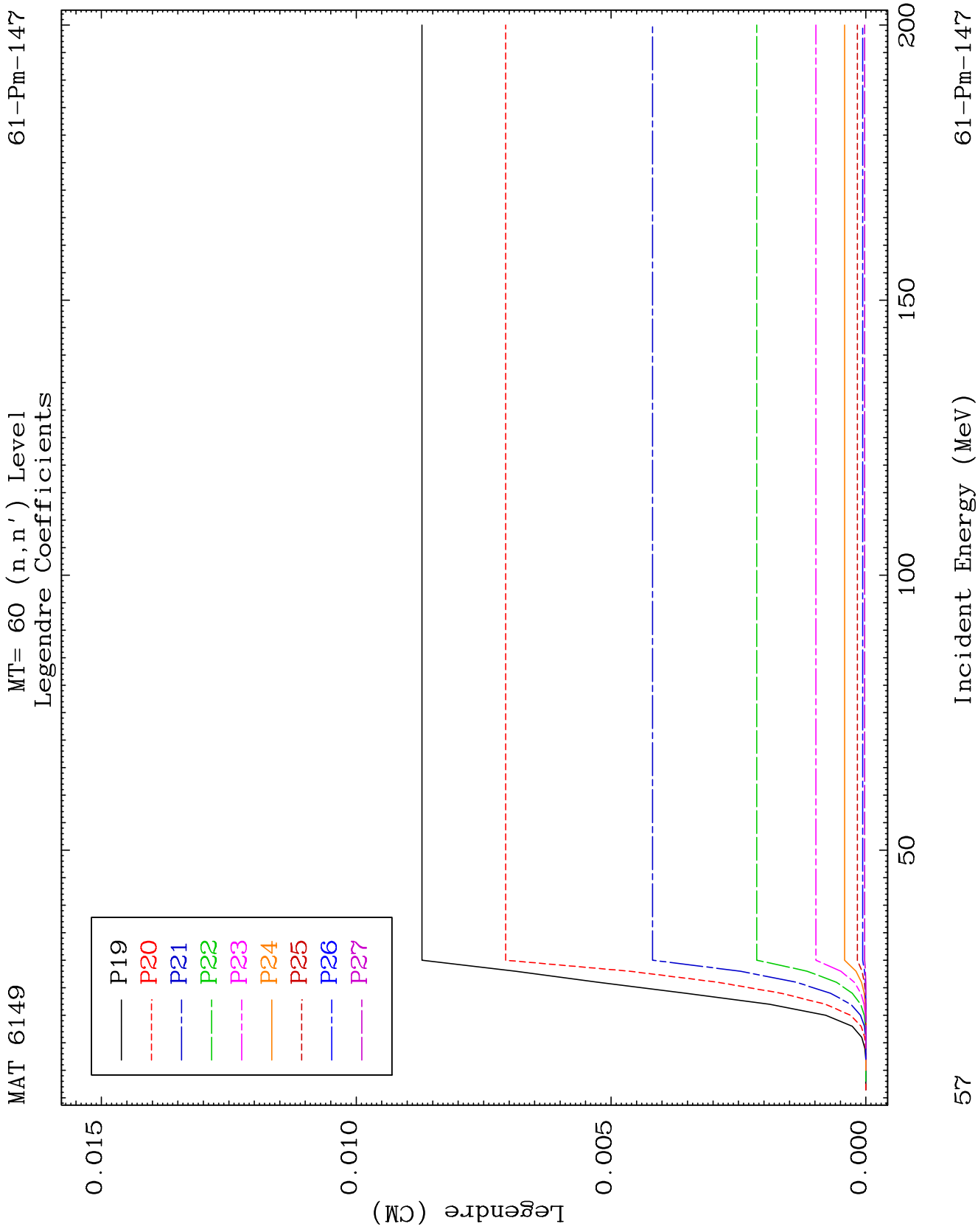


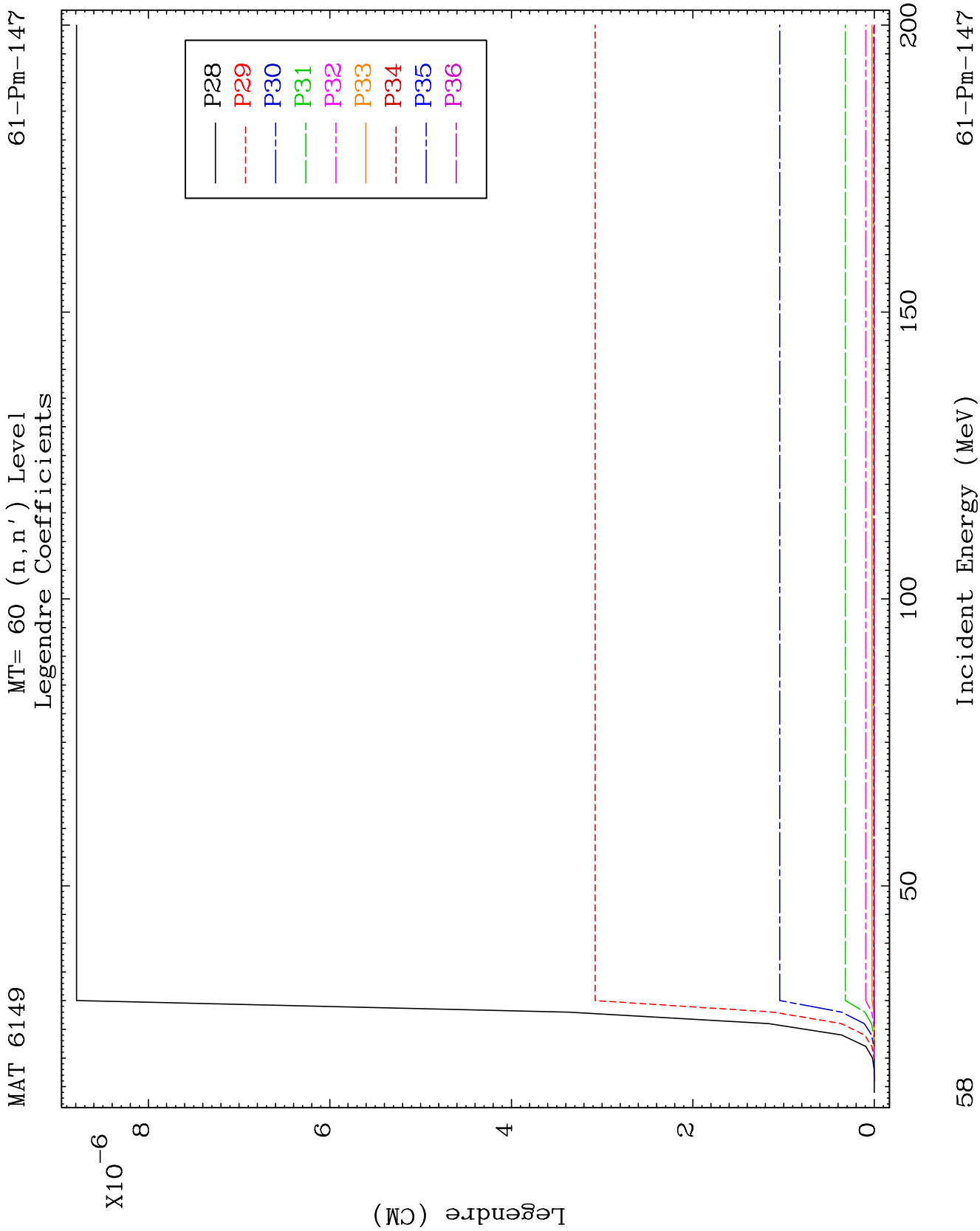








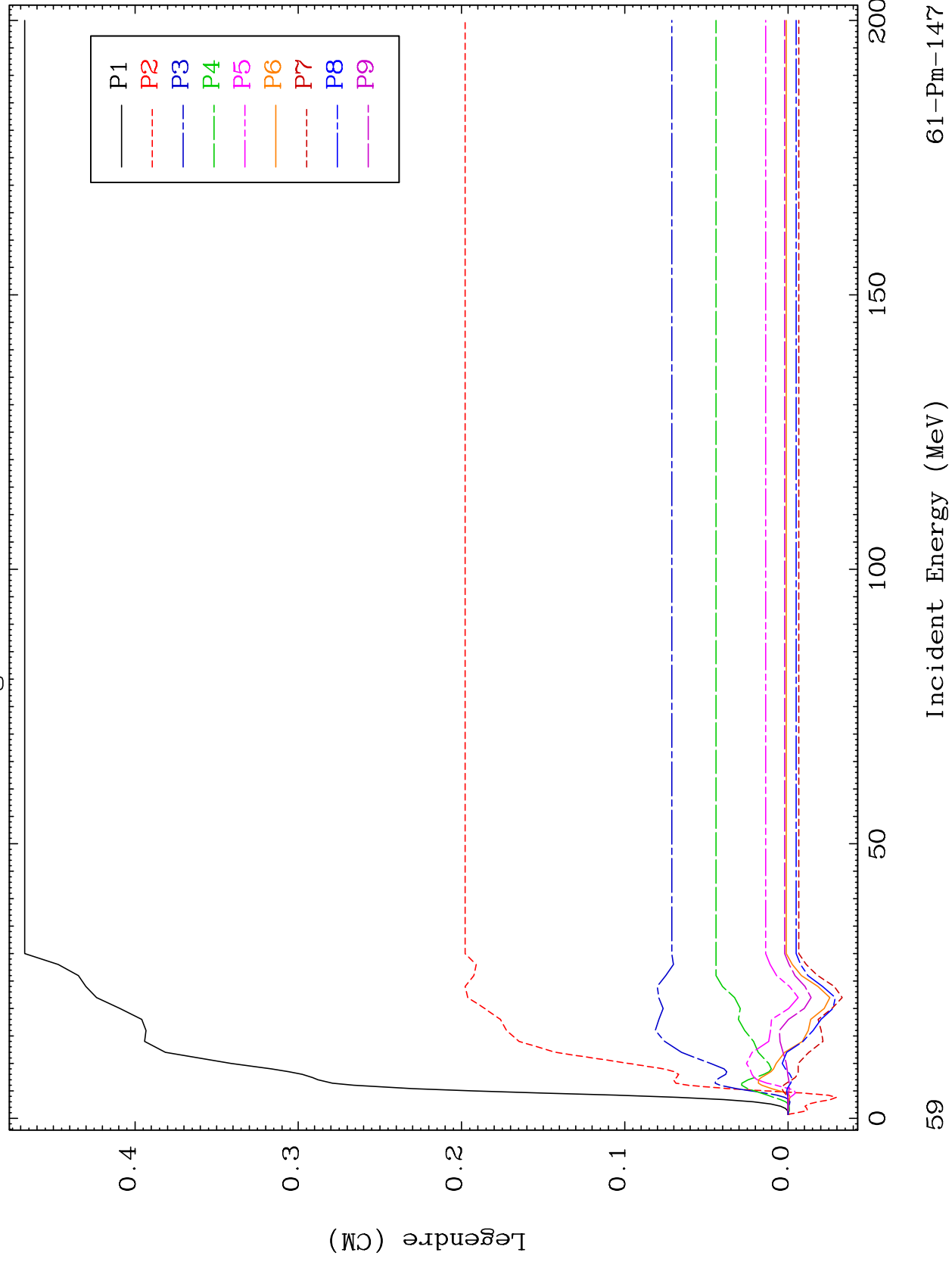




MAT 6149

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

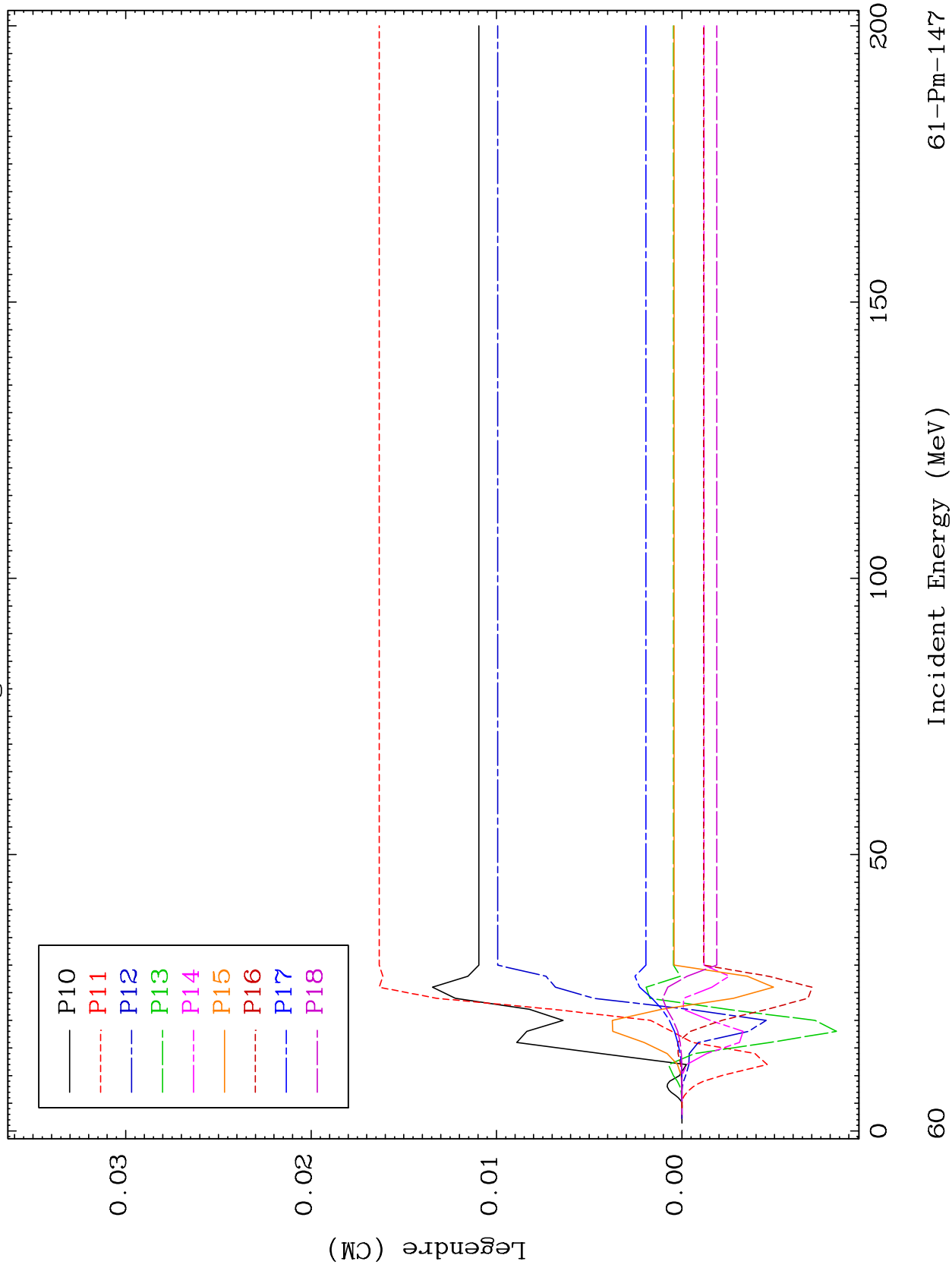
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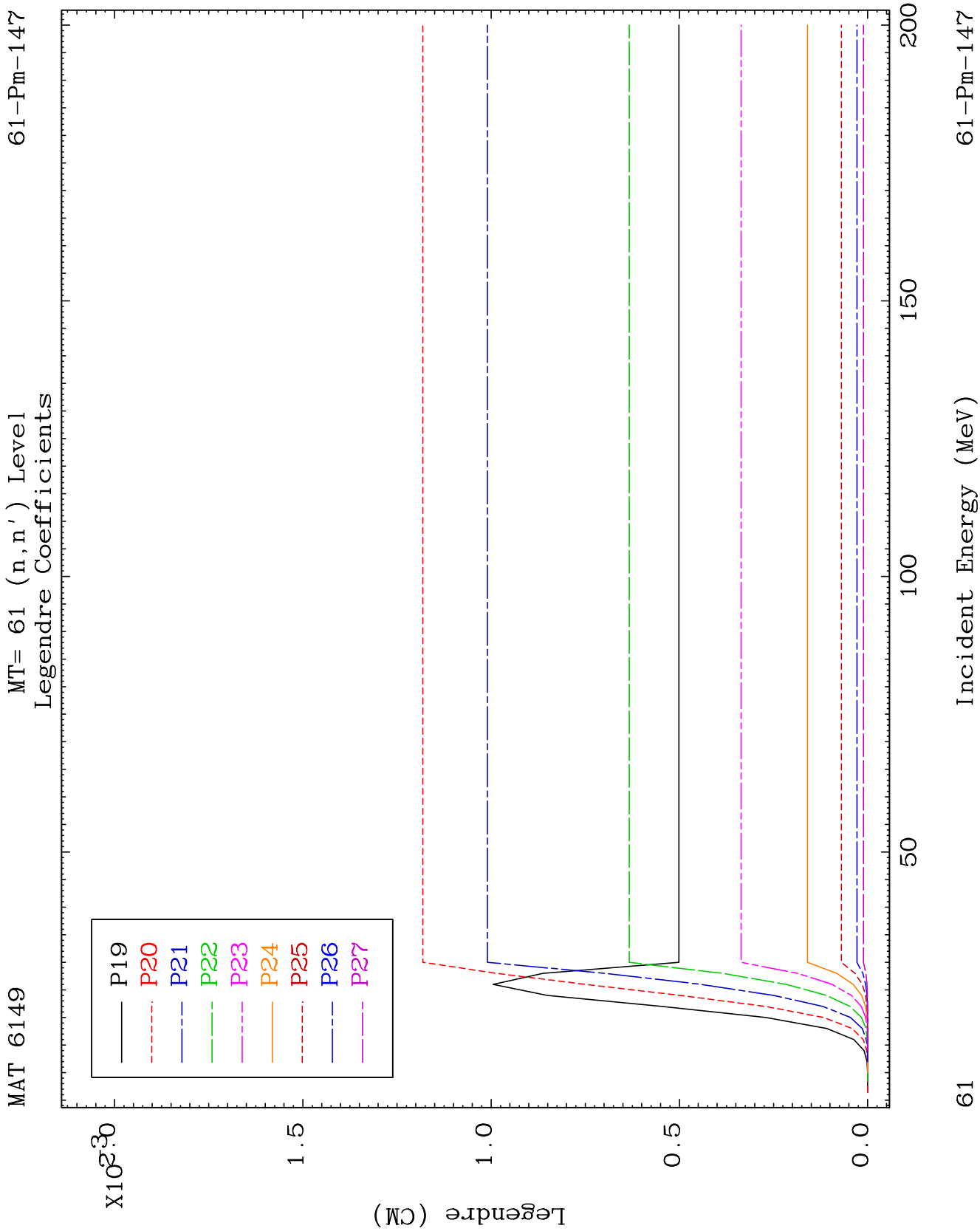


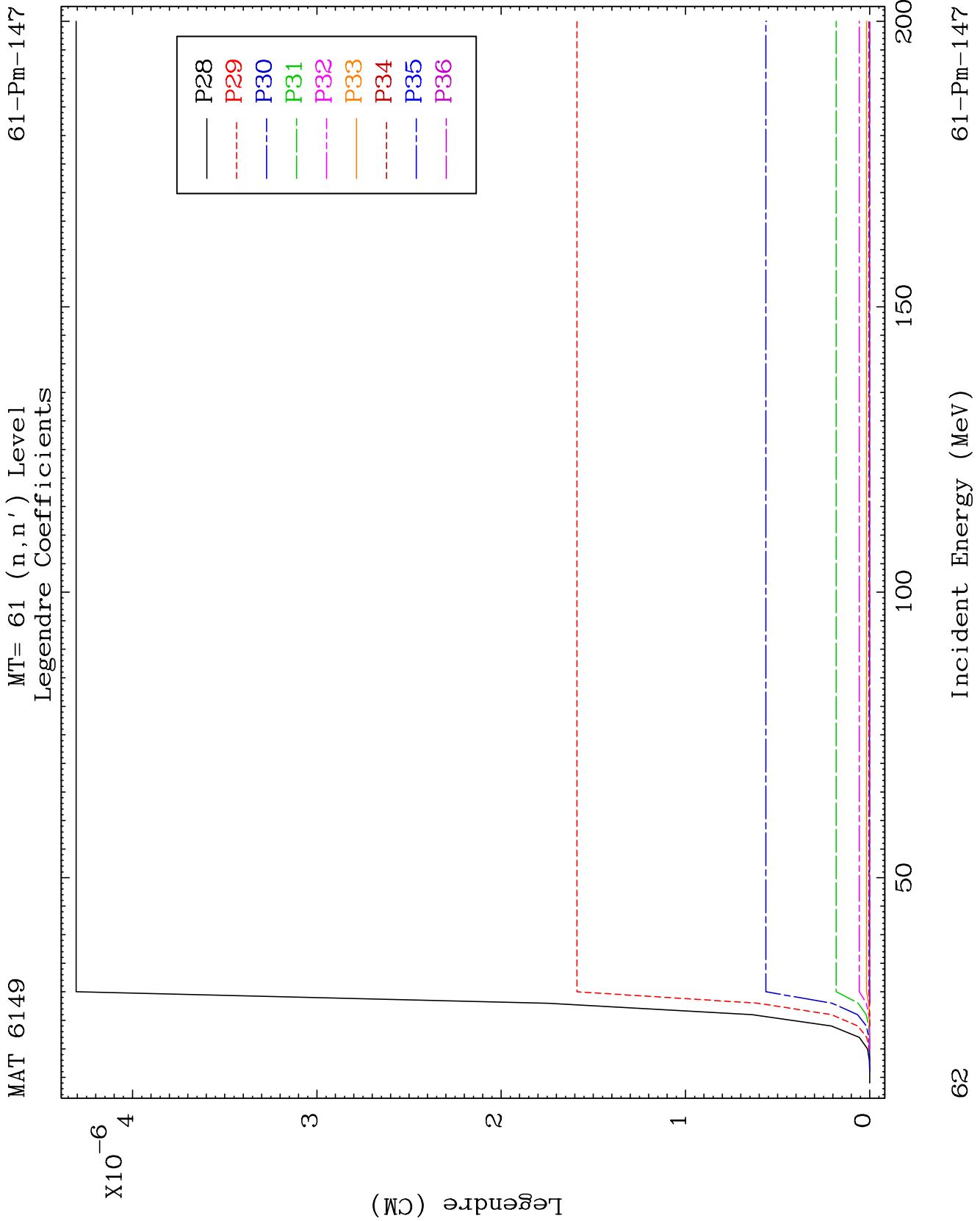
MAT 6149

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

61-Pm-147



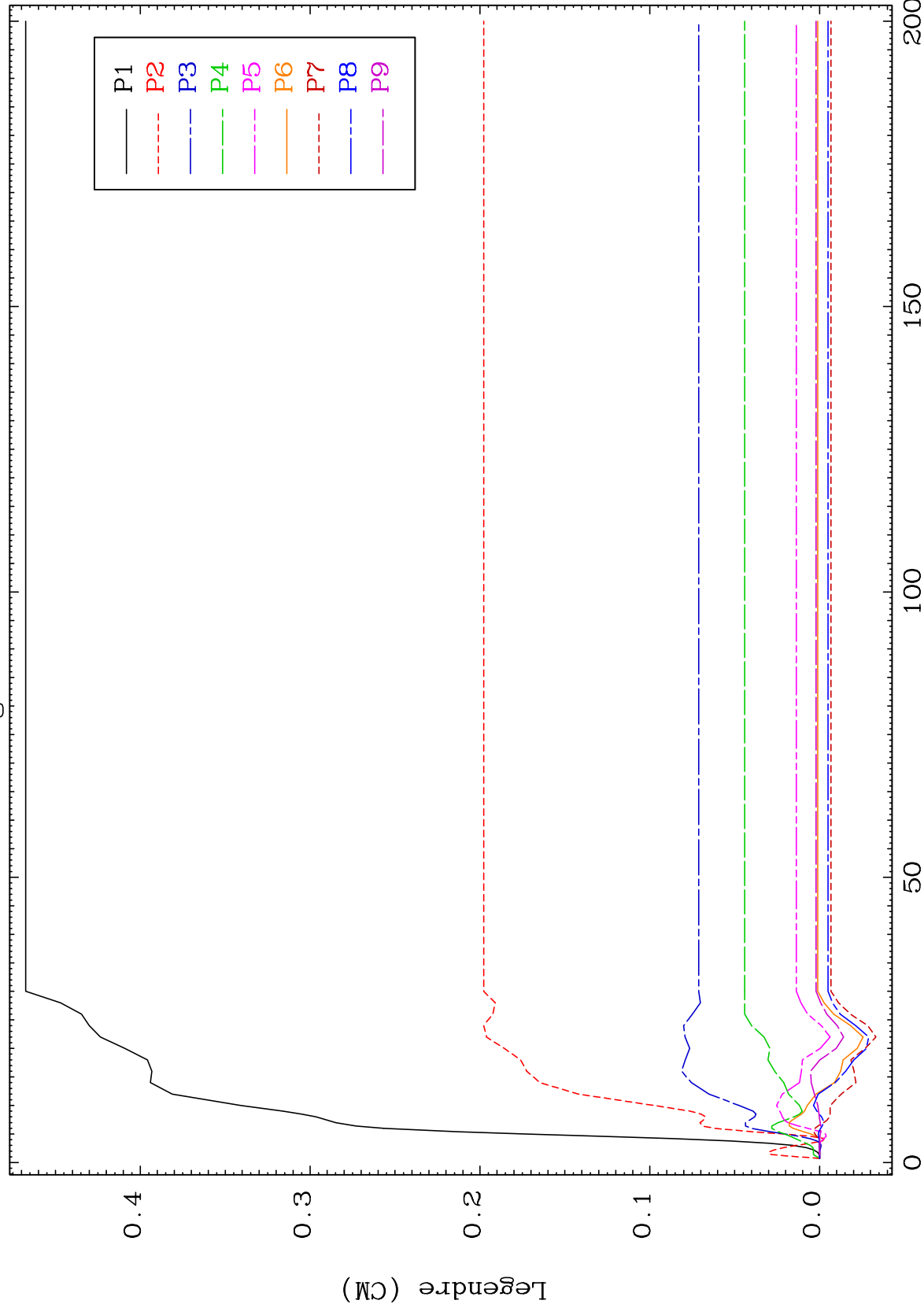




MAT 6149

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

61-Pm-147



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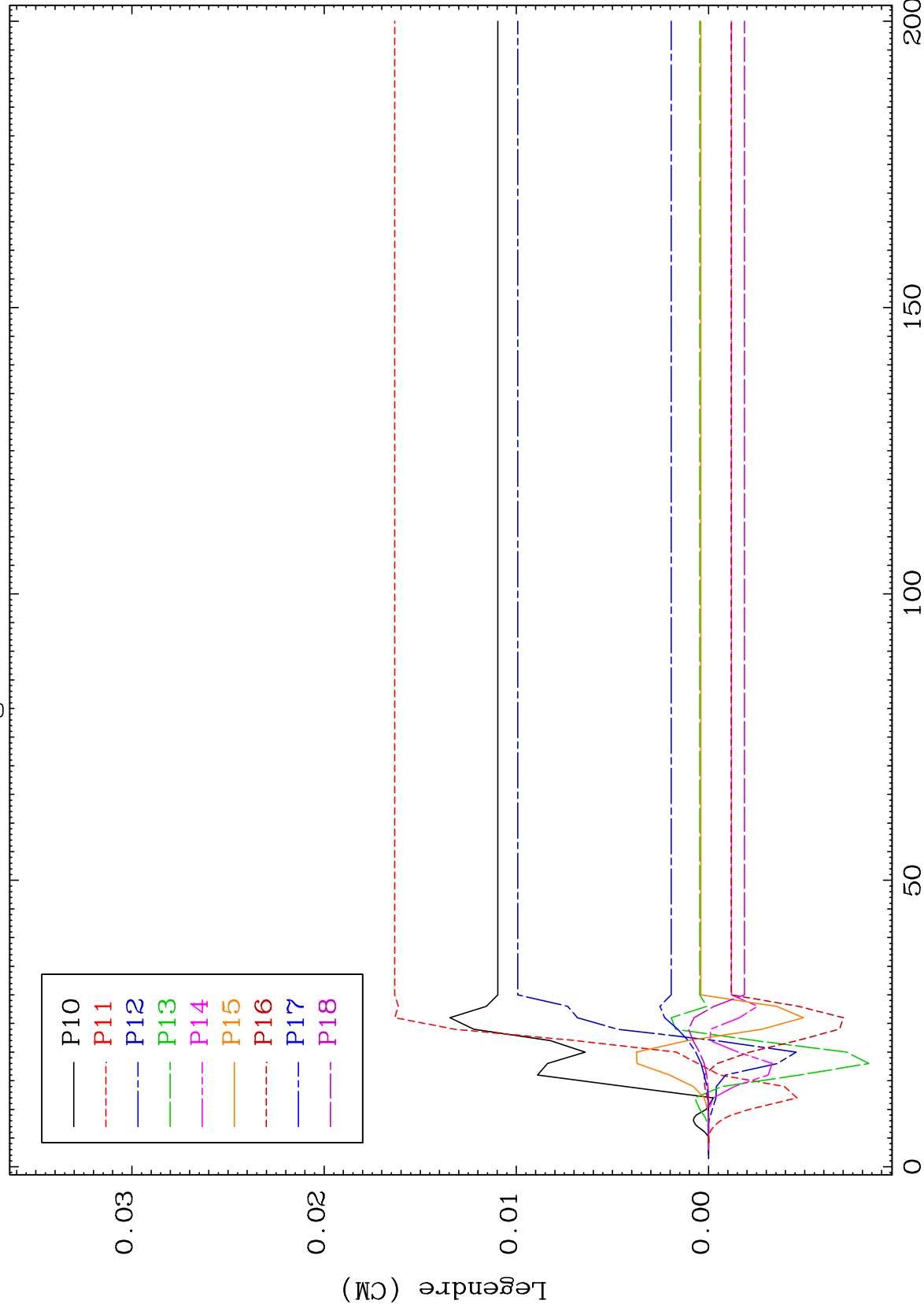
Incident Energy (MeV)

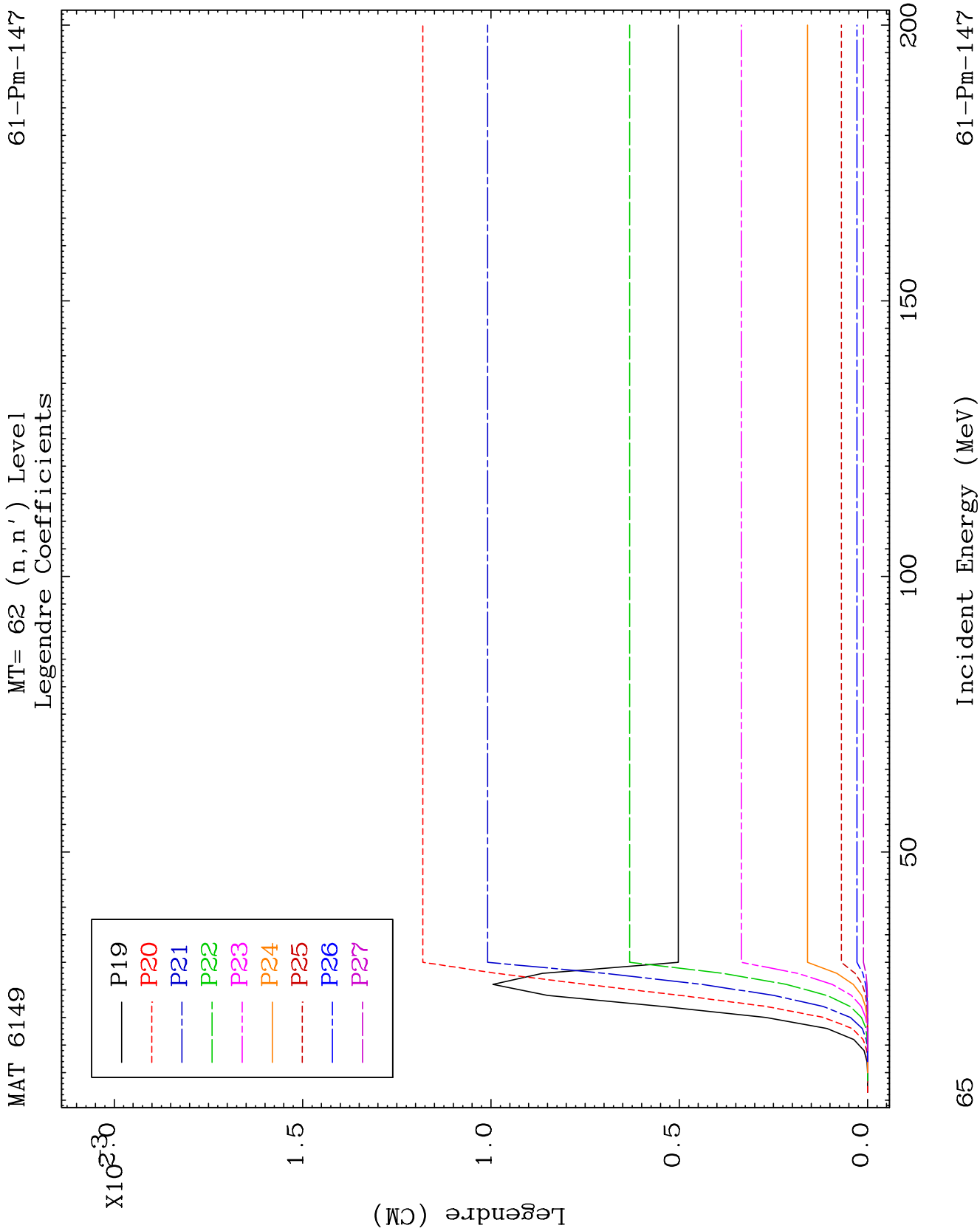
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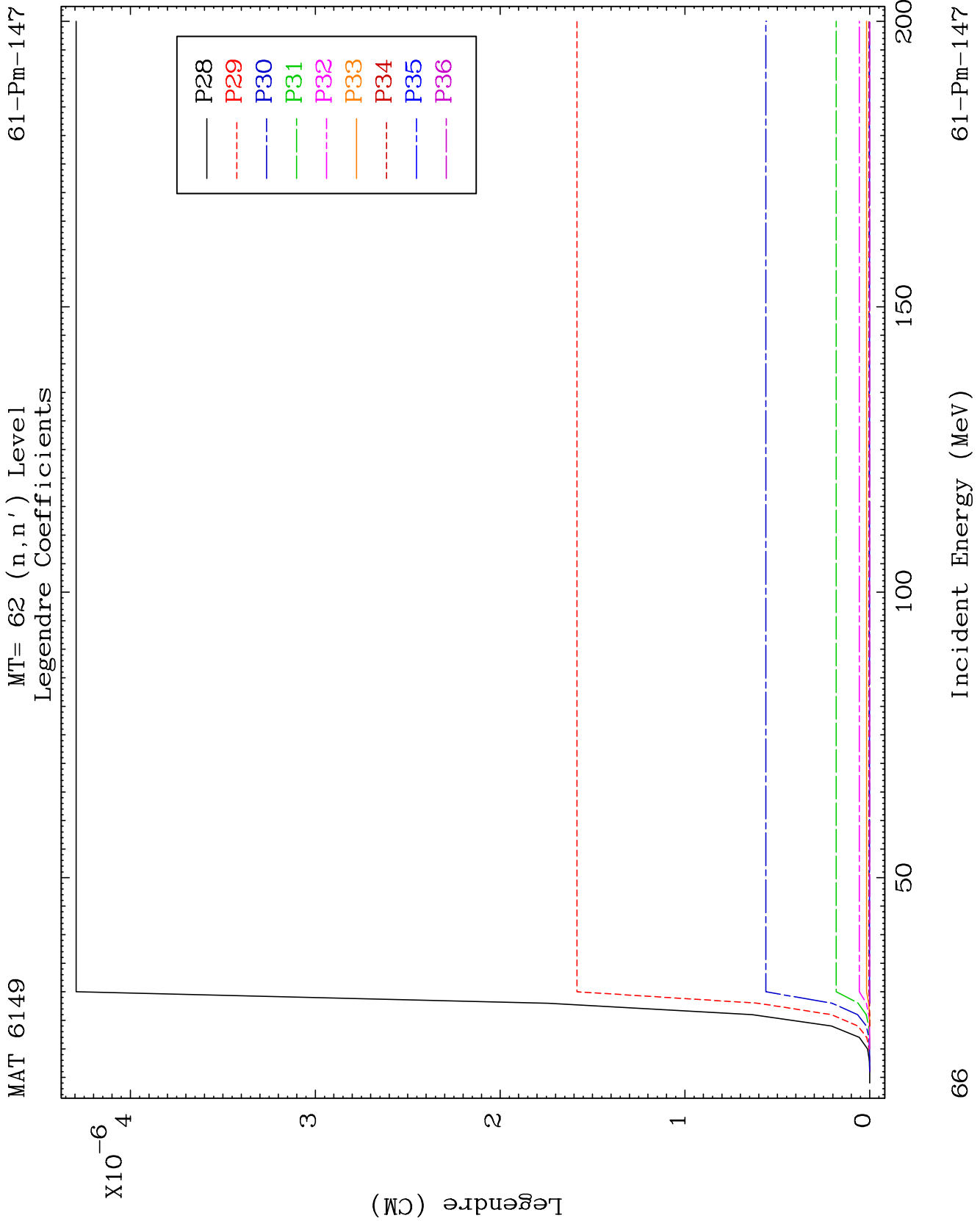
MAT 6149

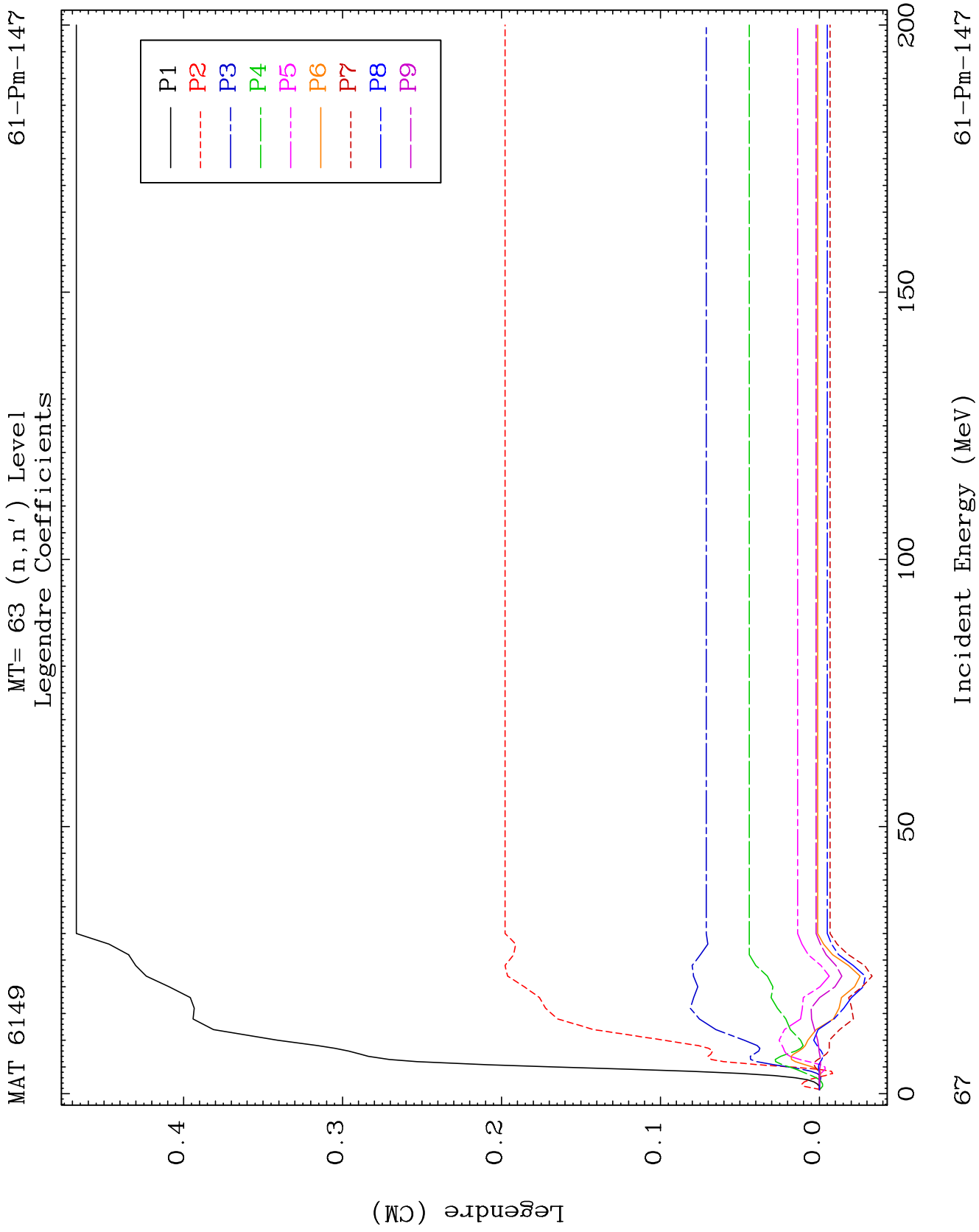
MT= 62 (n, n') Level
Legendre Coefficients

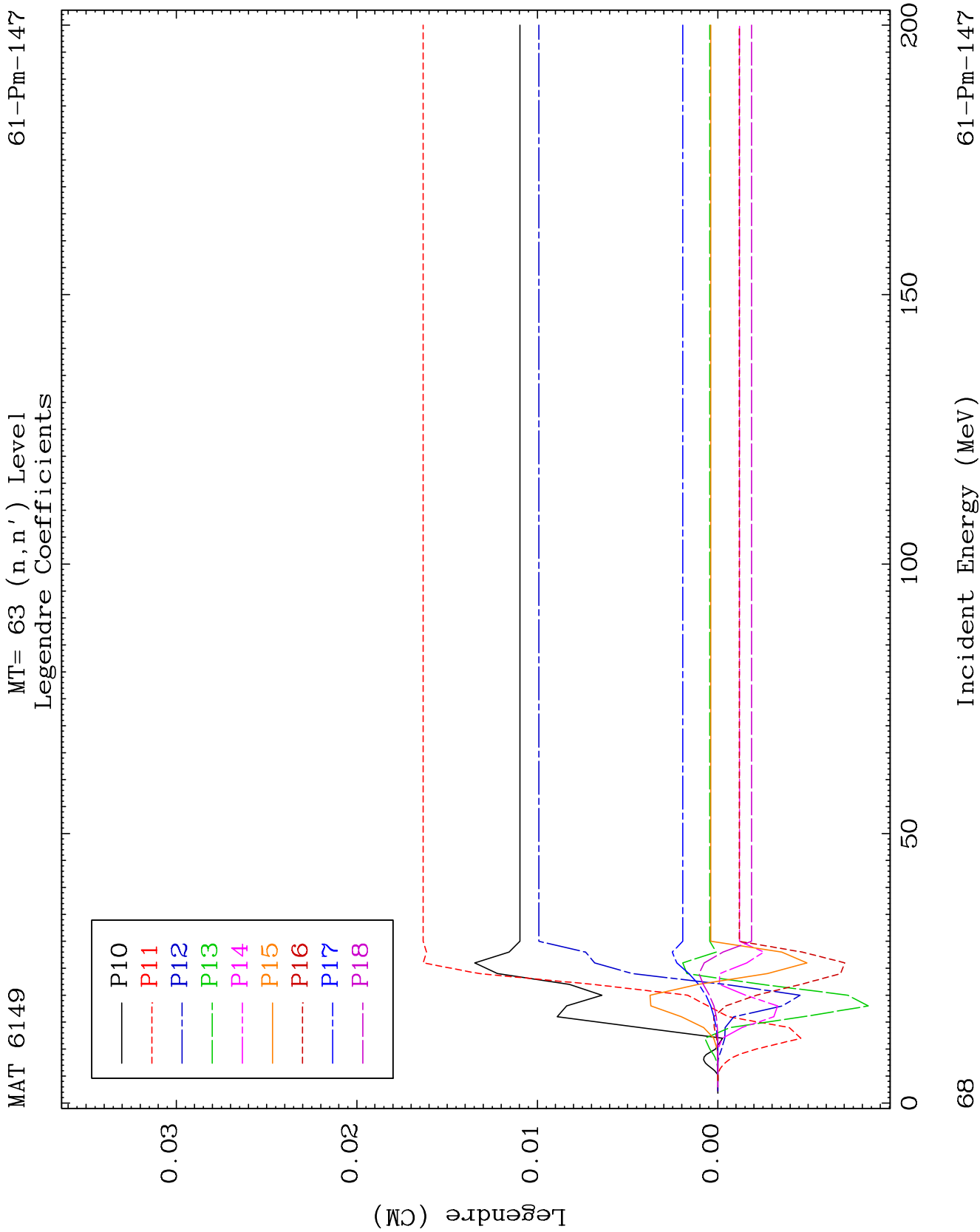
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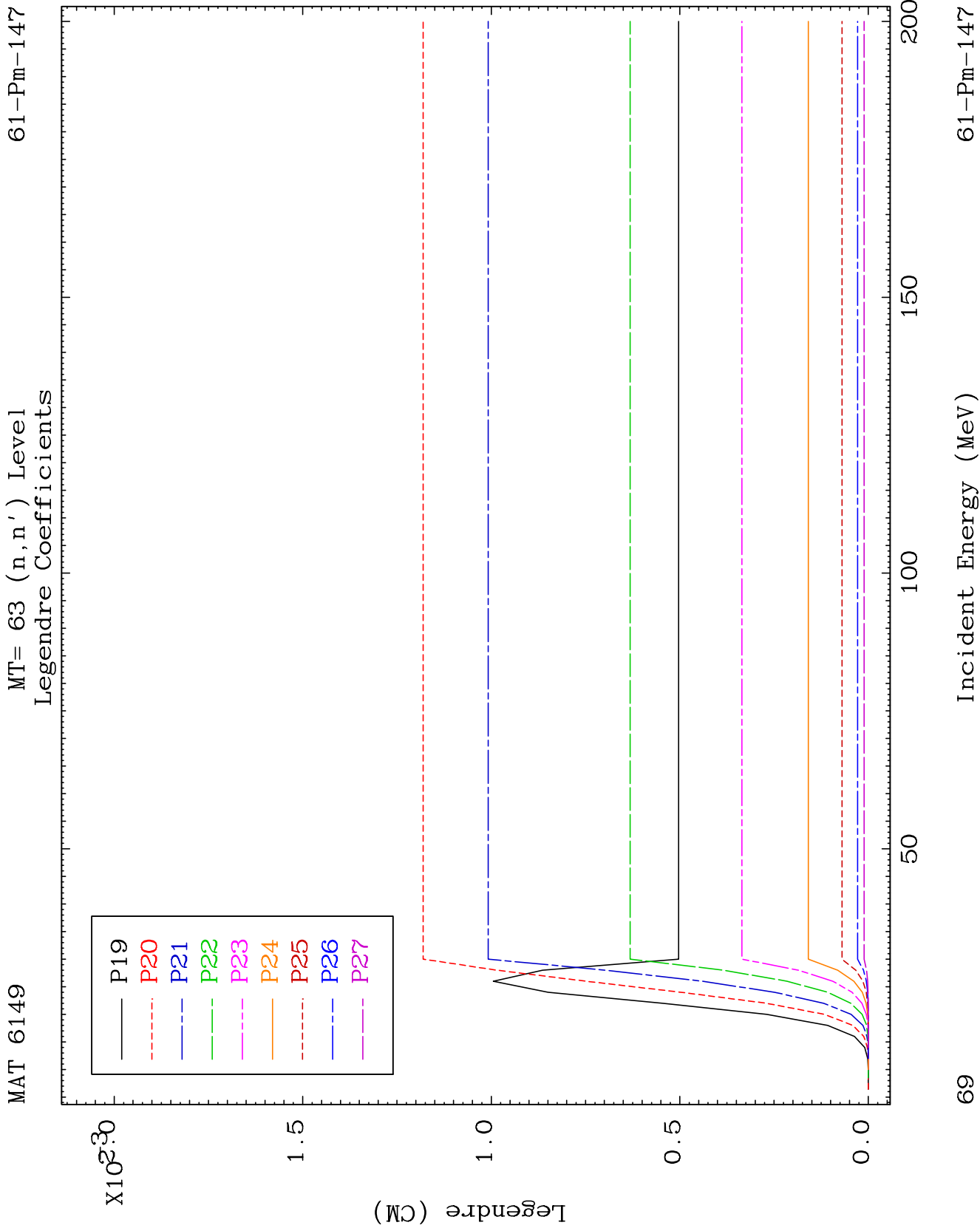


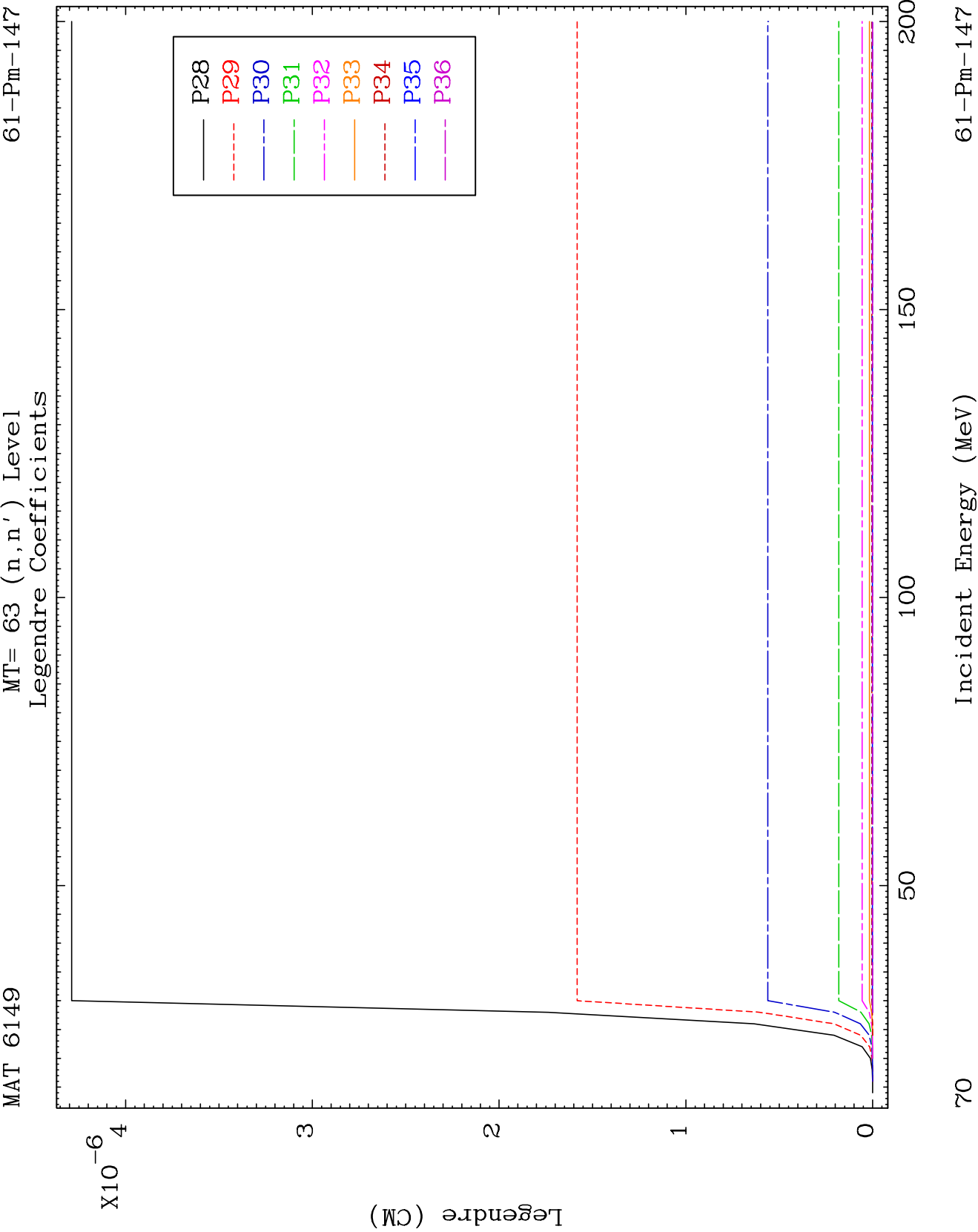








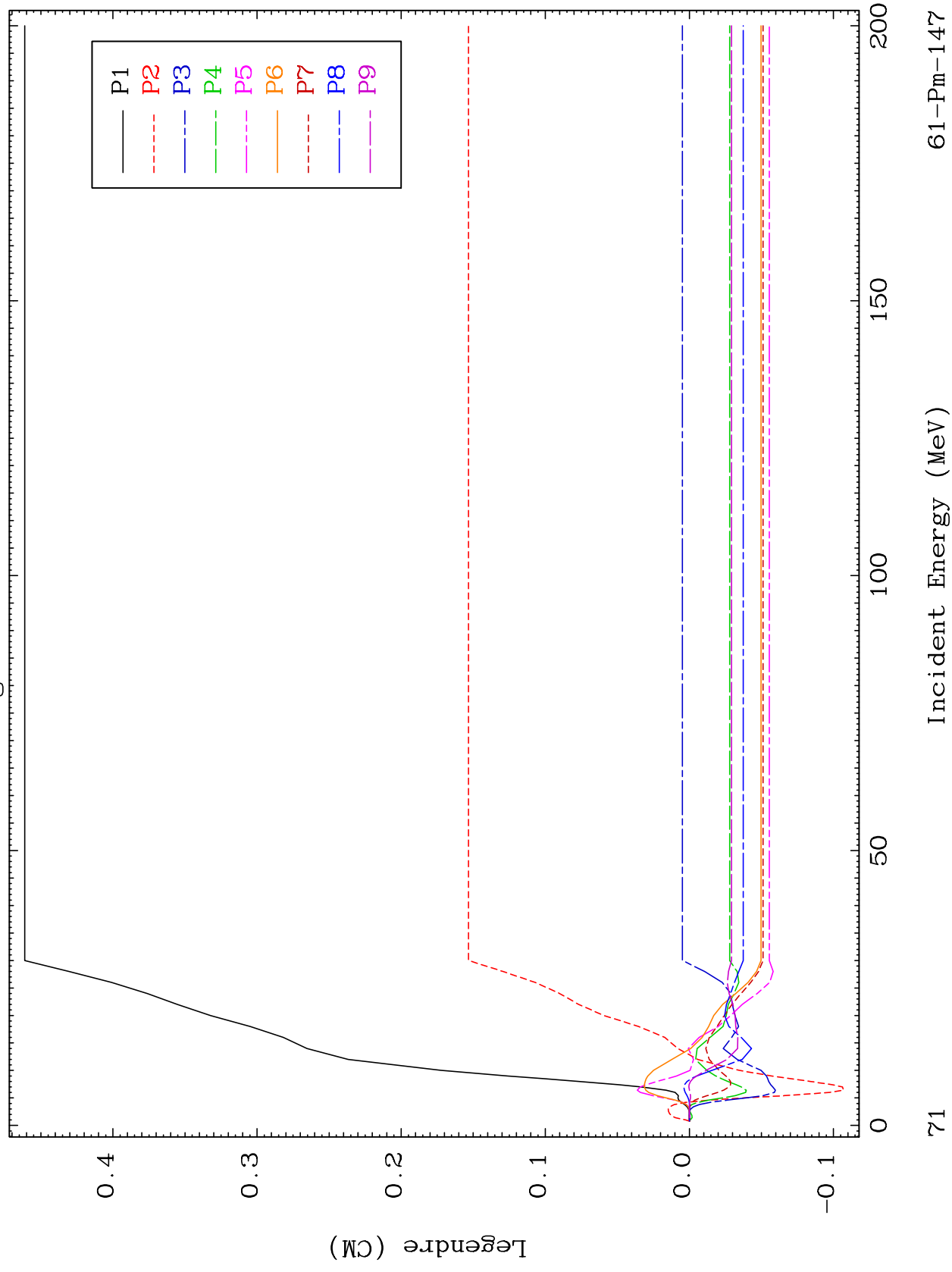


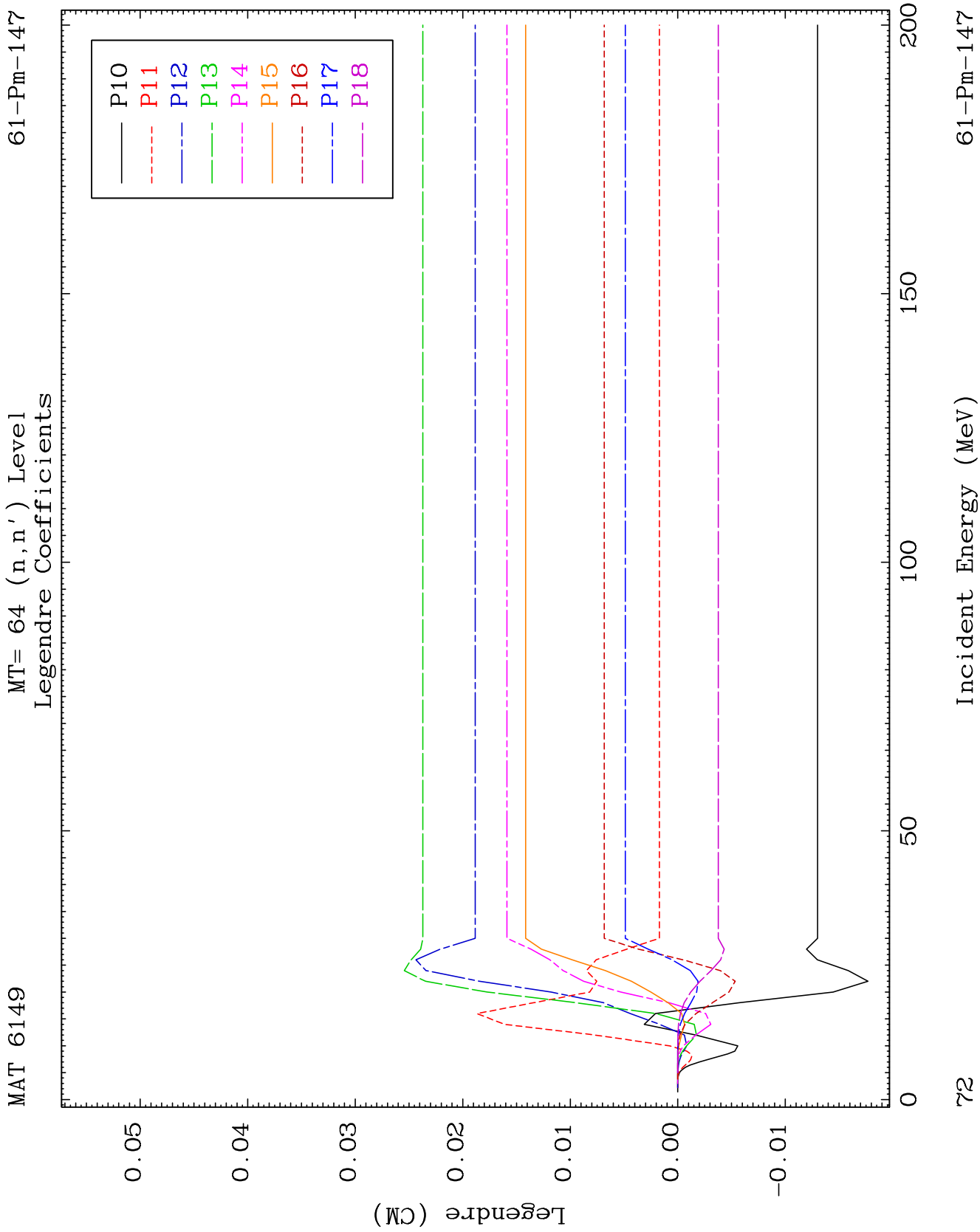


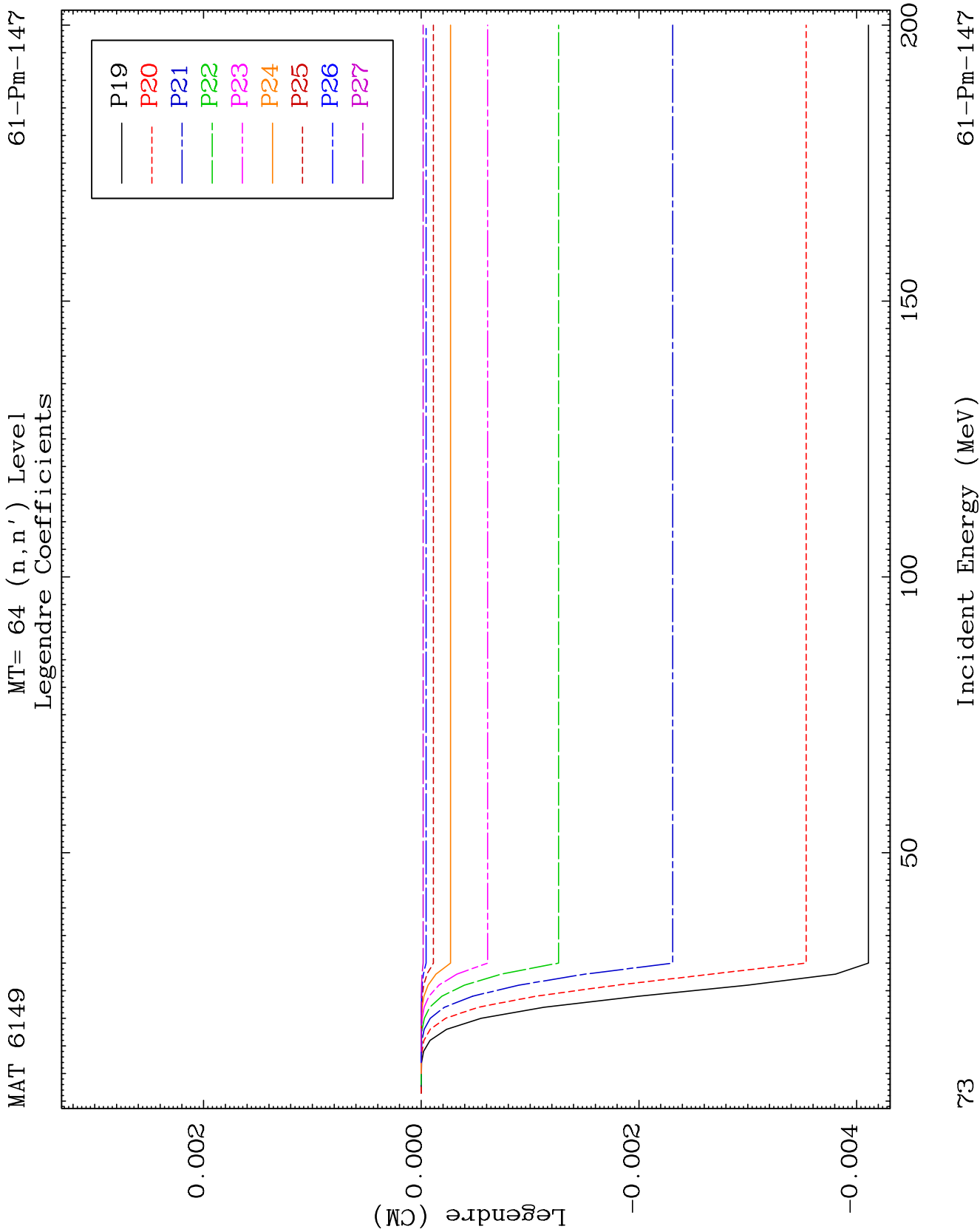
MAT 6149

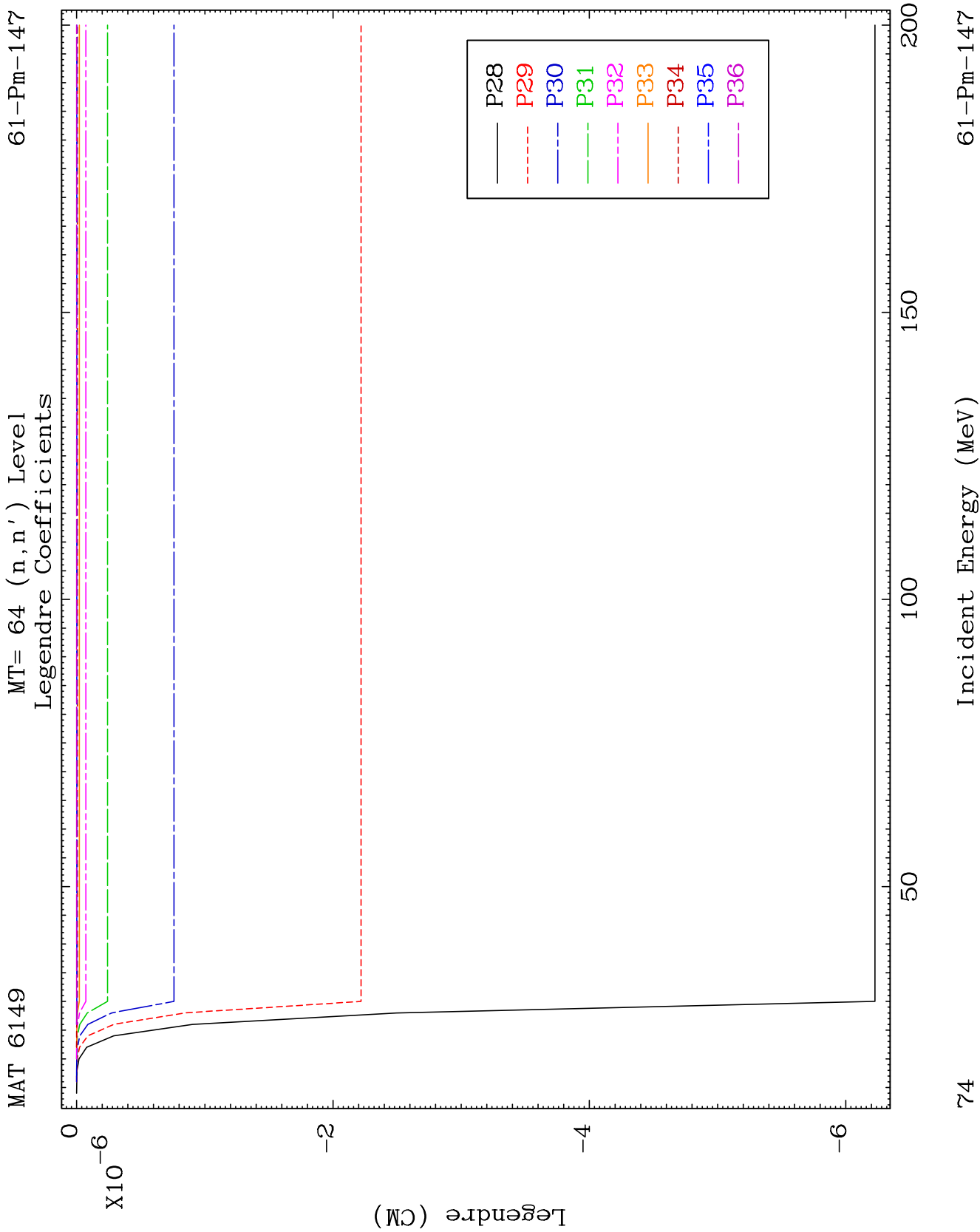
MT= 64 (n, n') Level
Legendre Coefficients

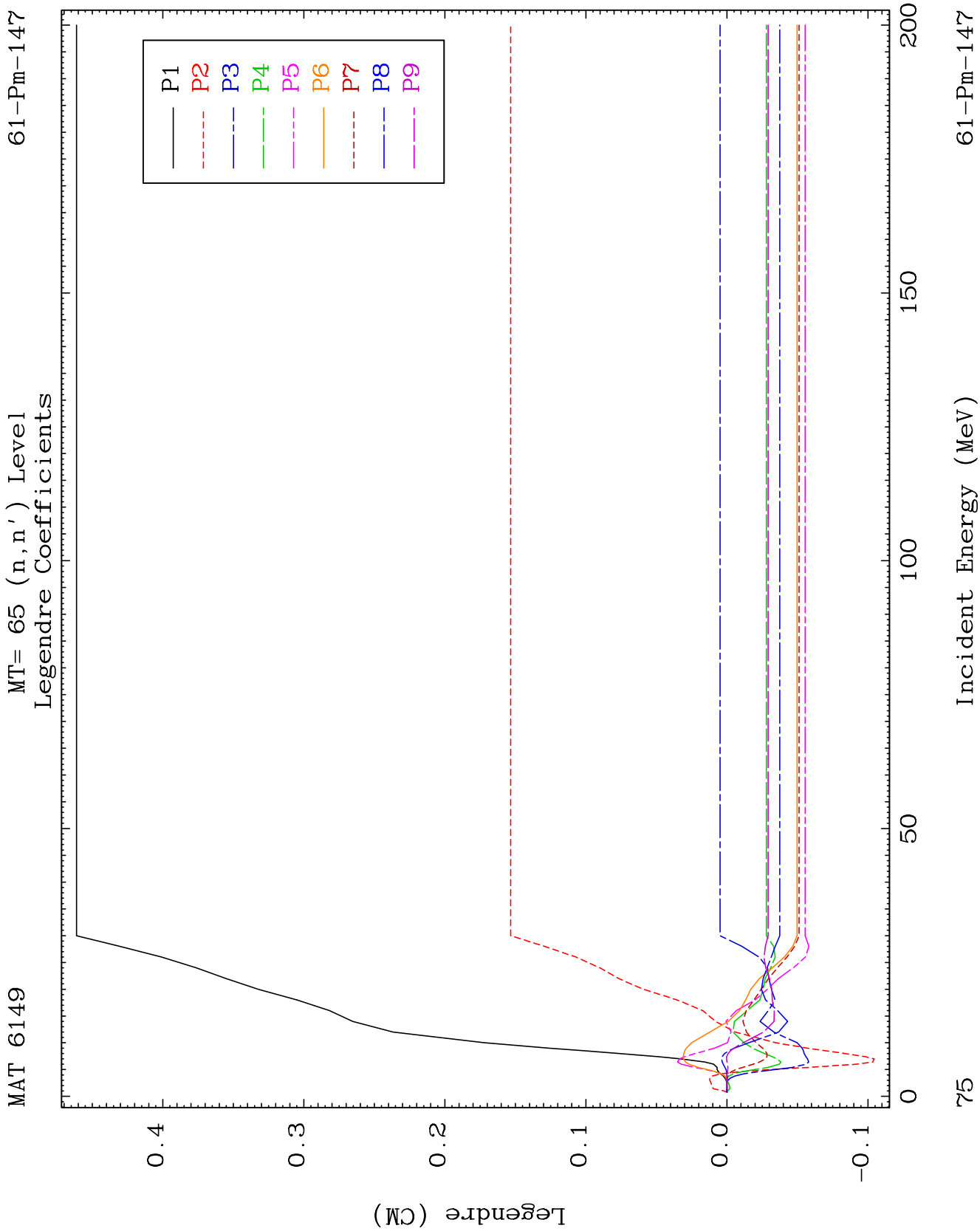
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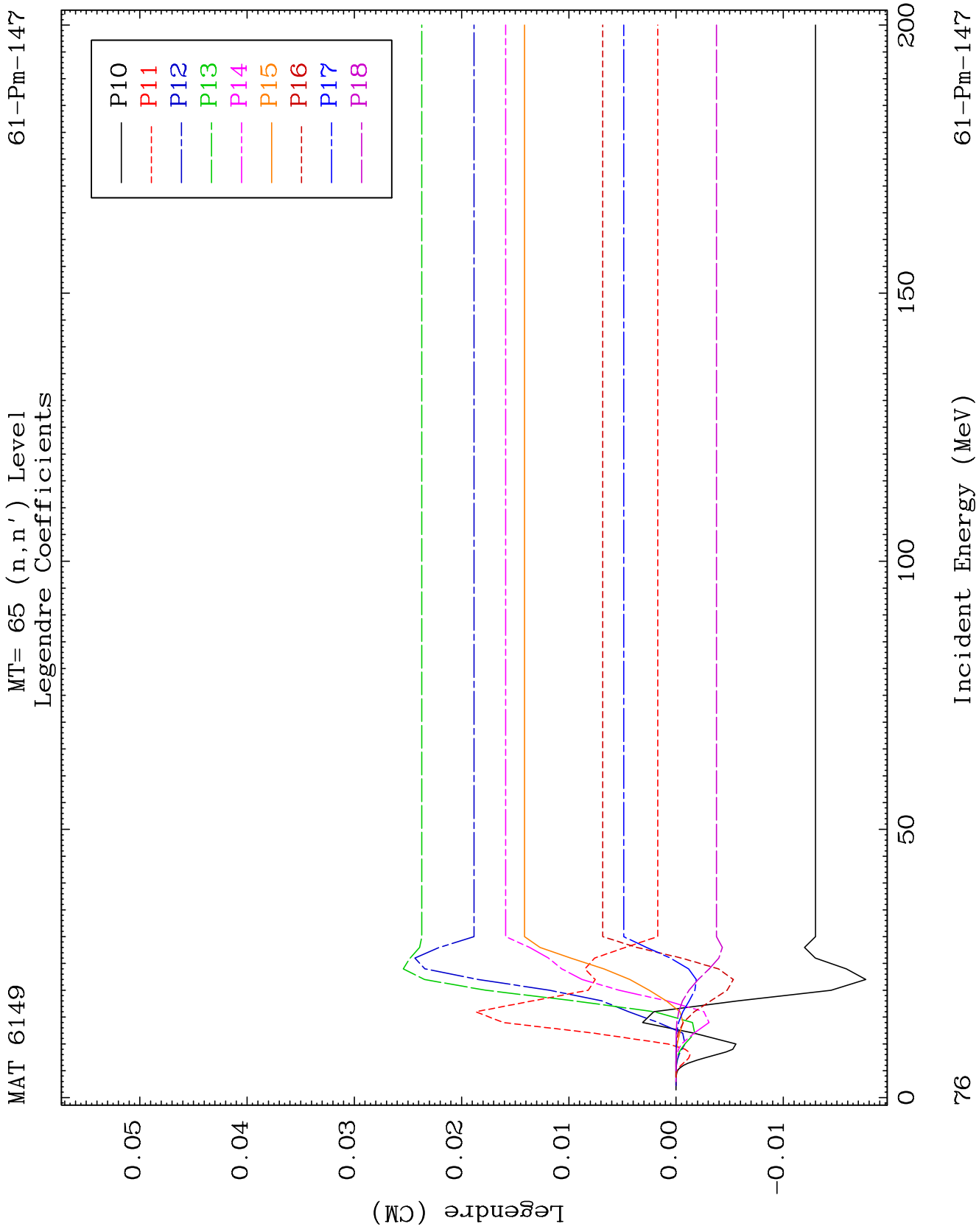








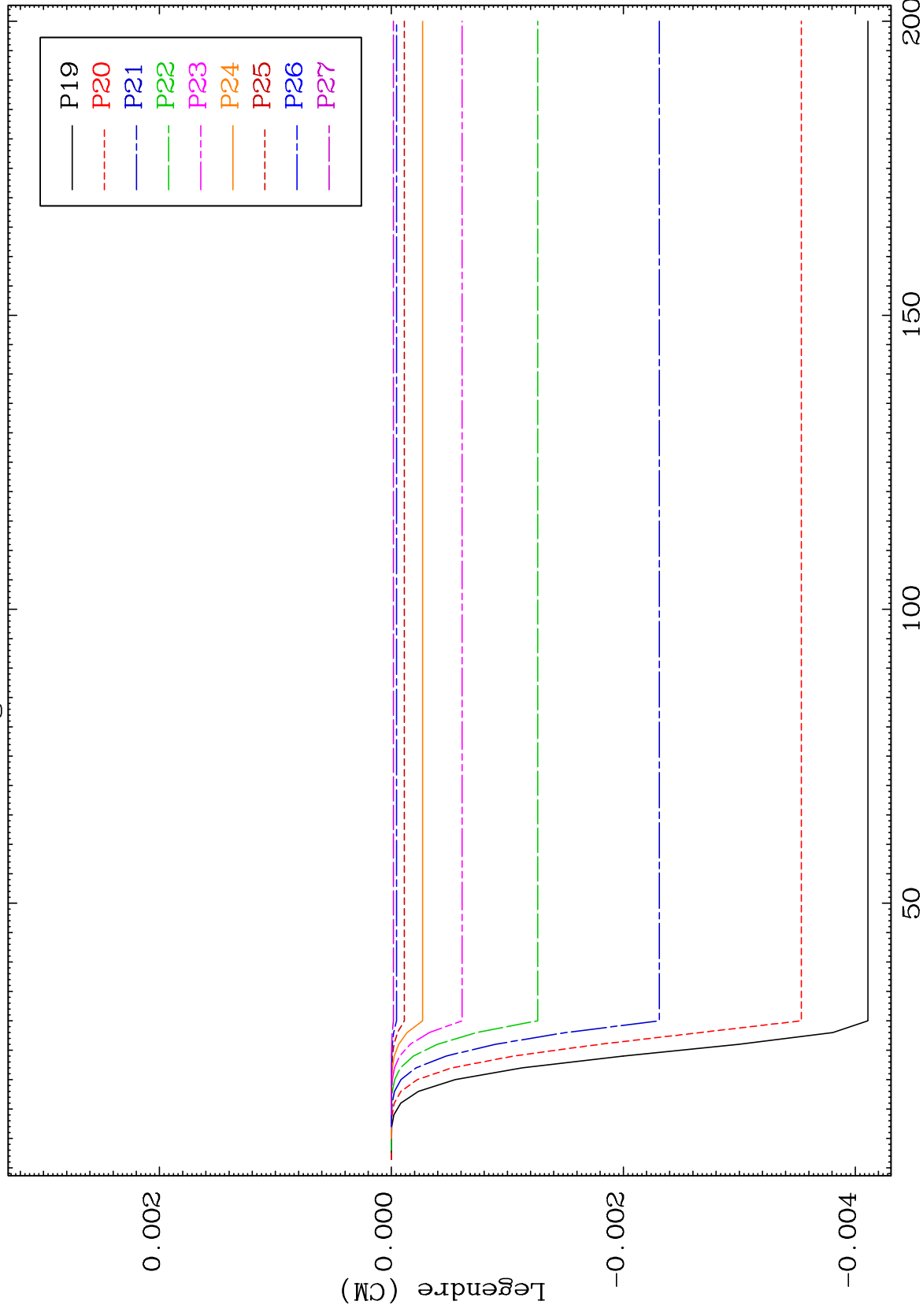




MAT 6149

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

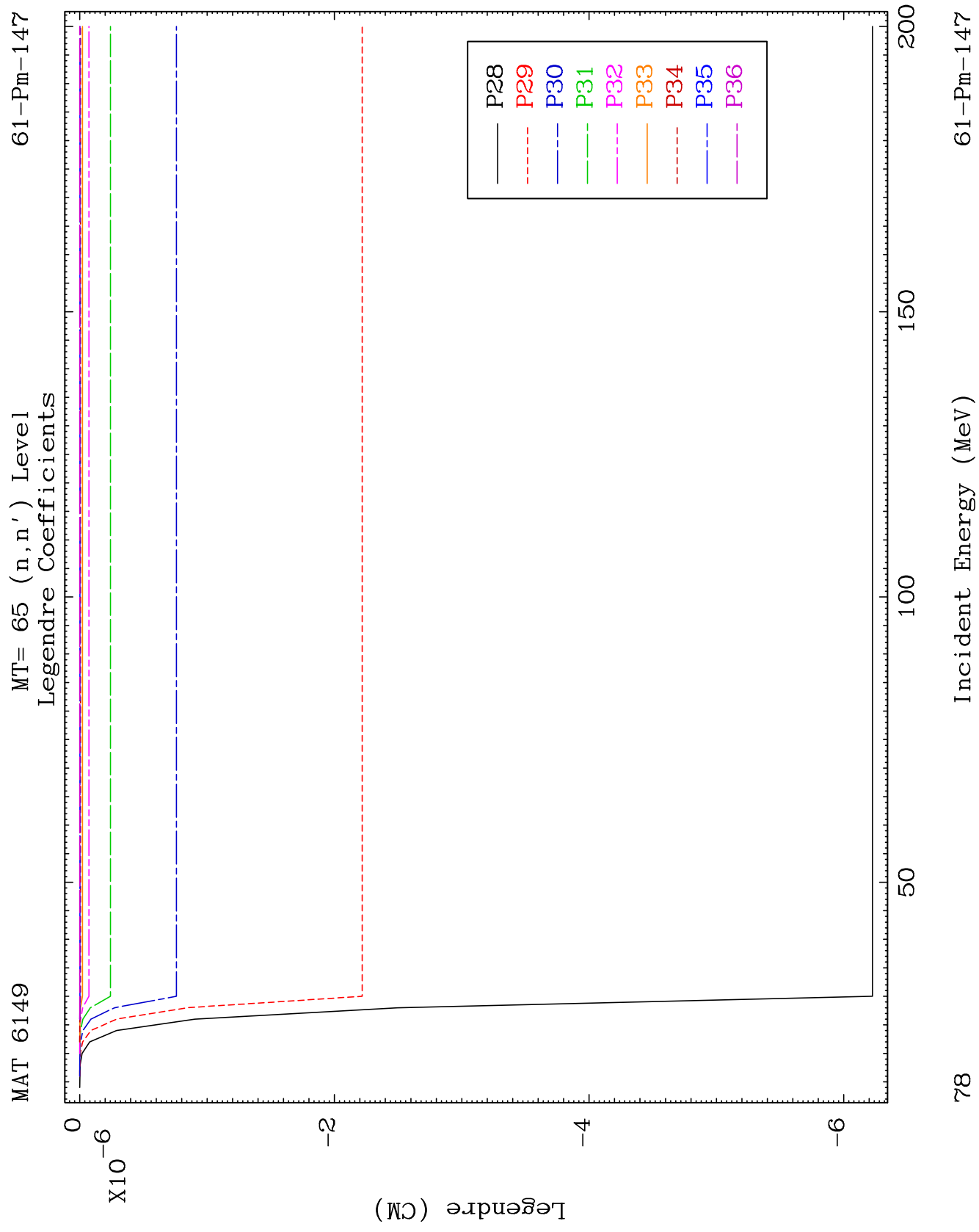
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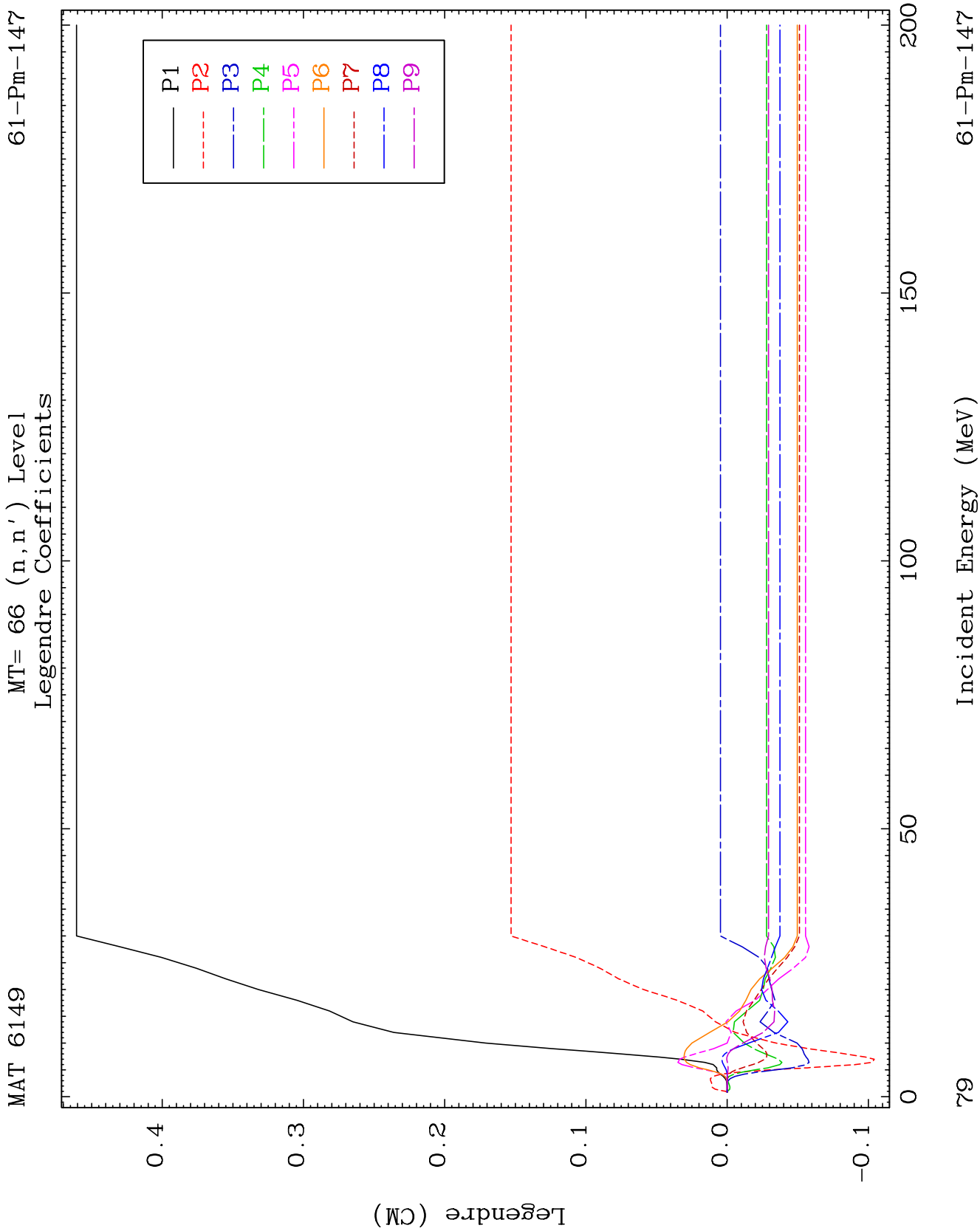


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Incident Energy (MeV)

61-Pm-147

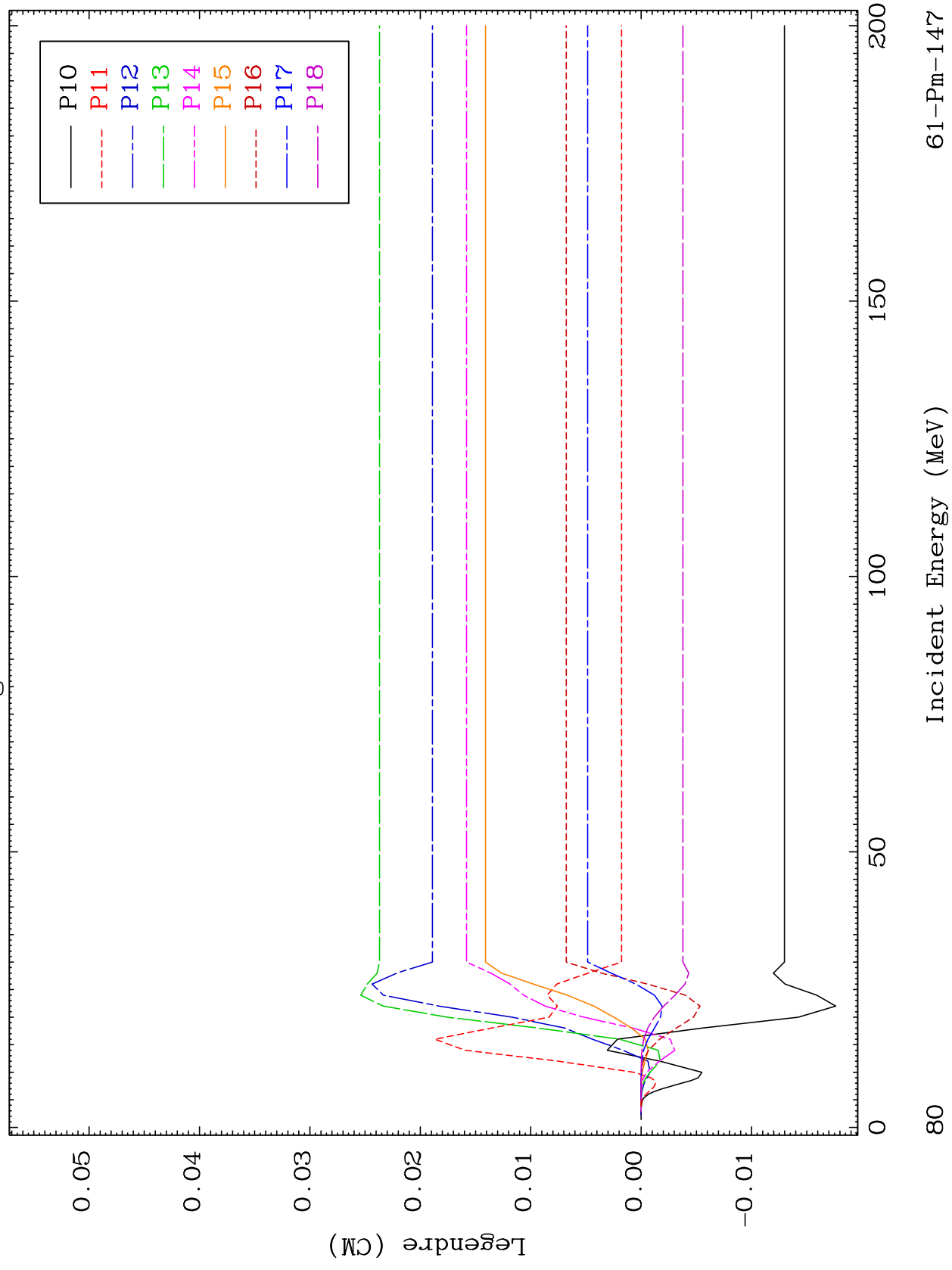


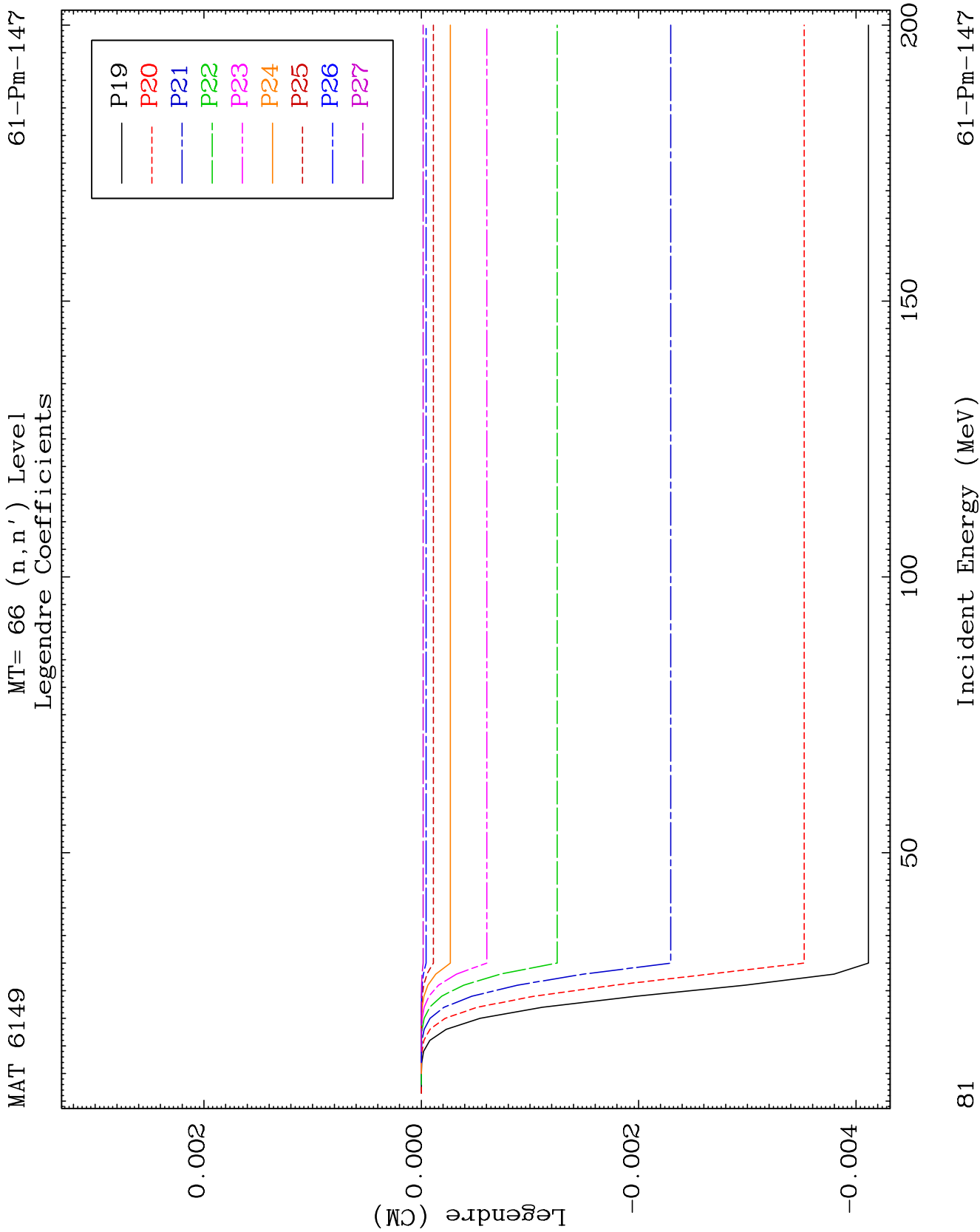


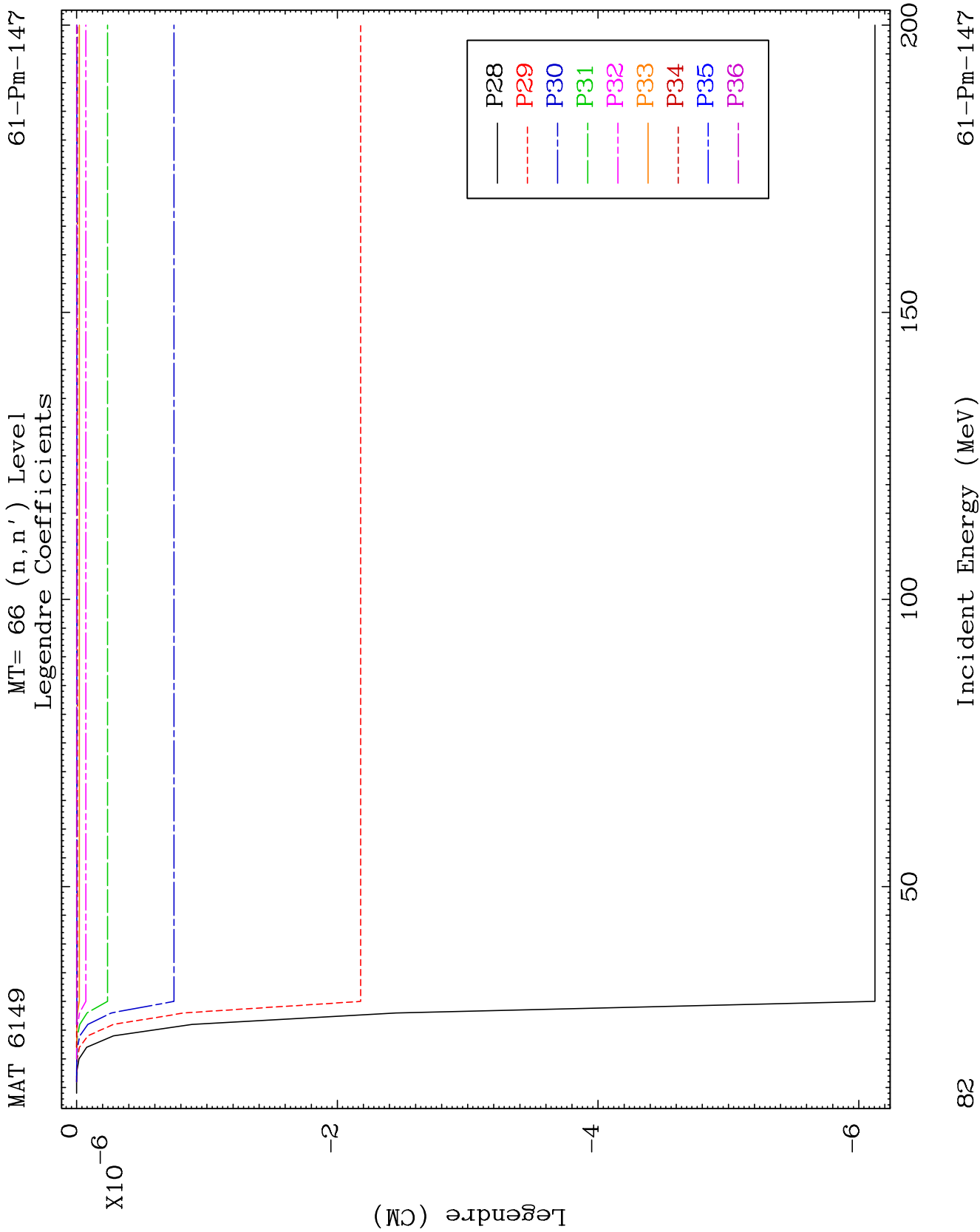
MAT 6149

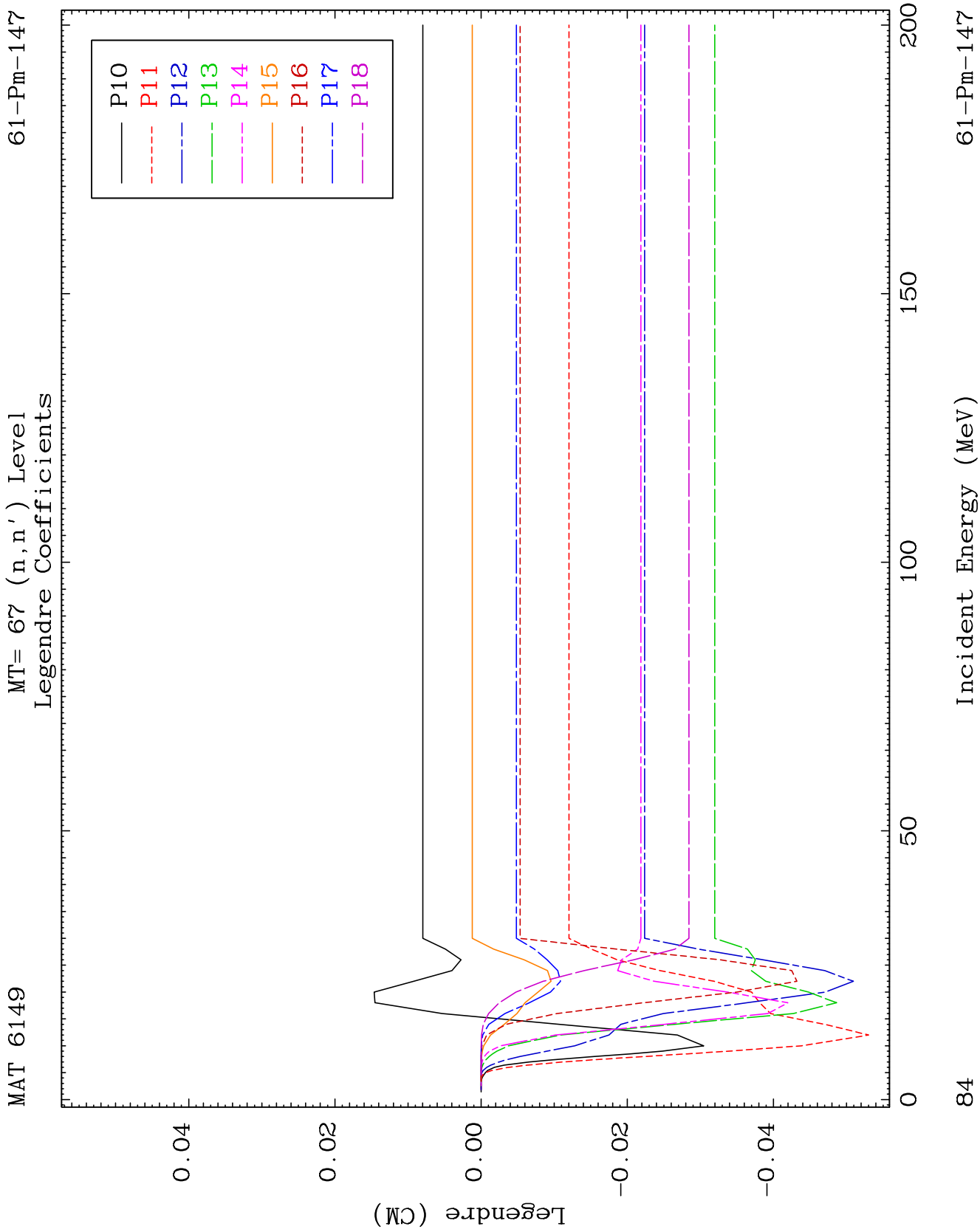
MT= 66 (n, n') Level
Legendre Coefficients

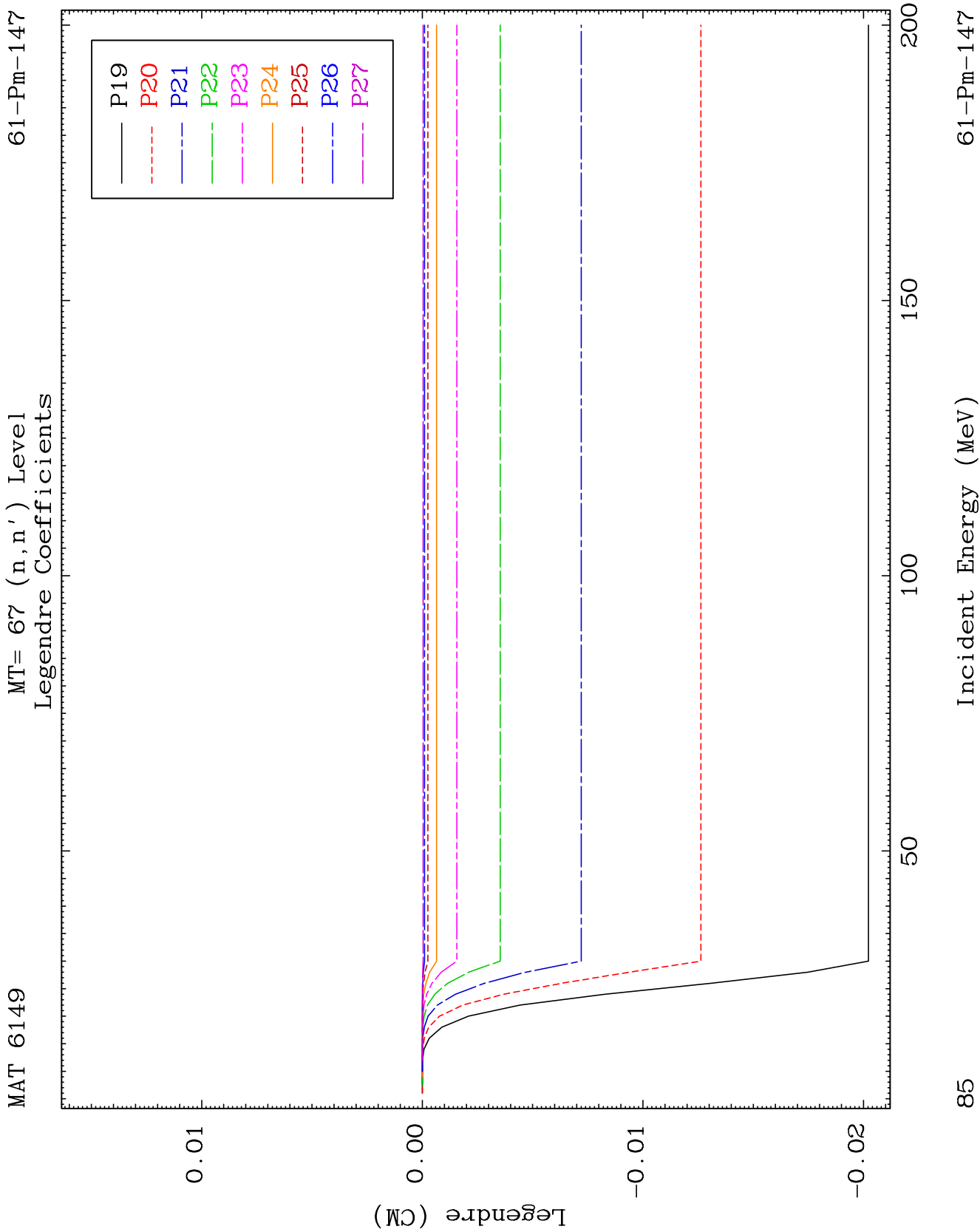
61-Pm-147

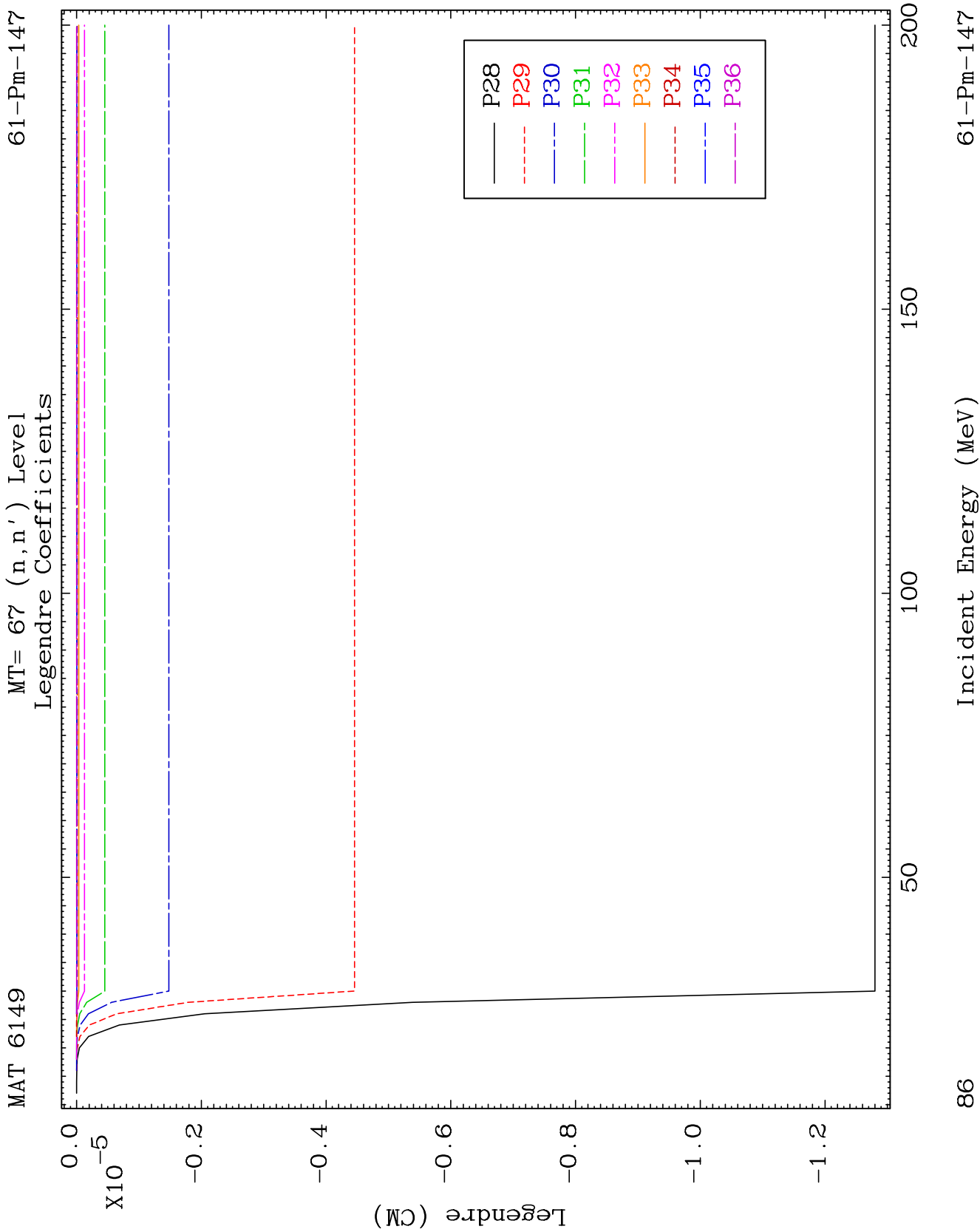


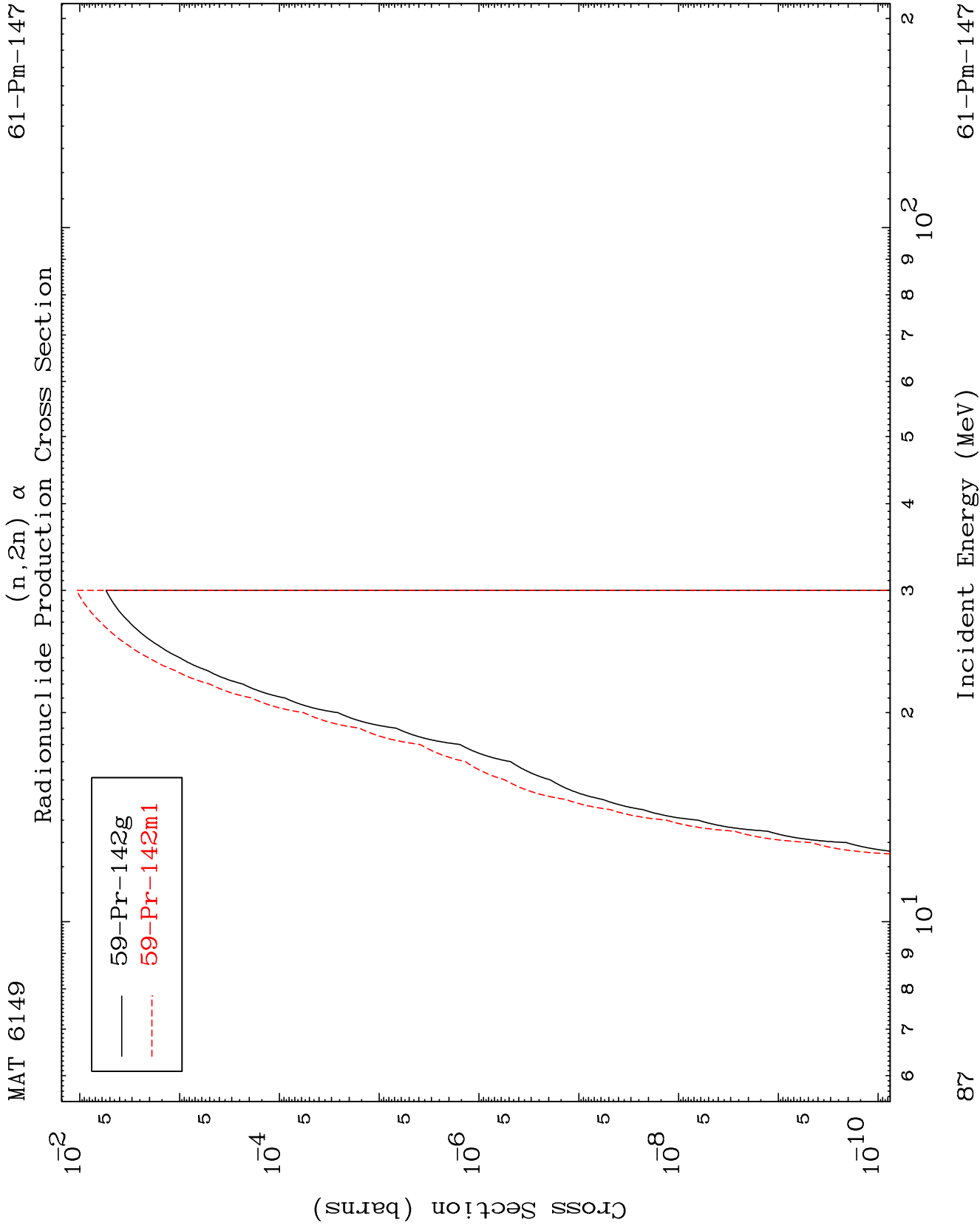




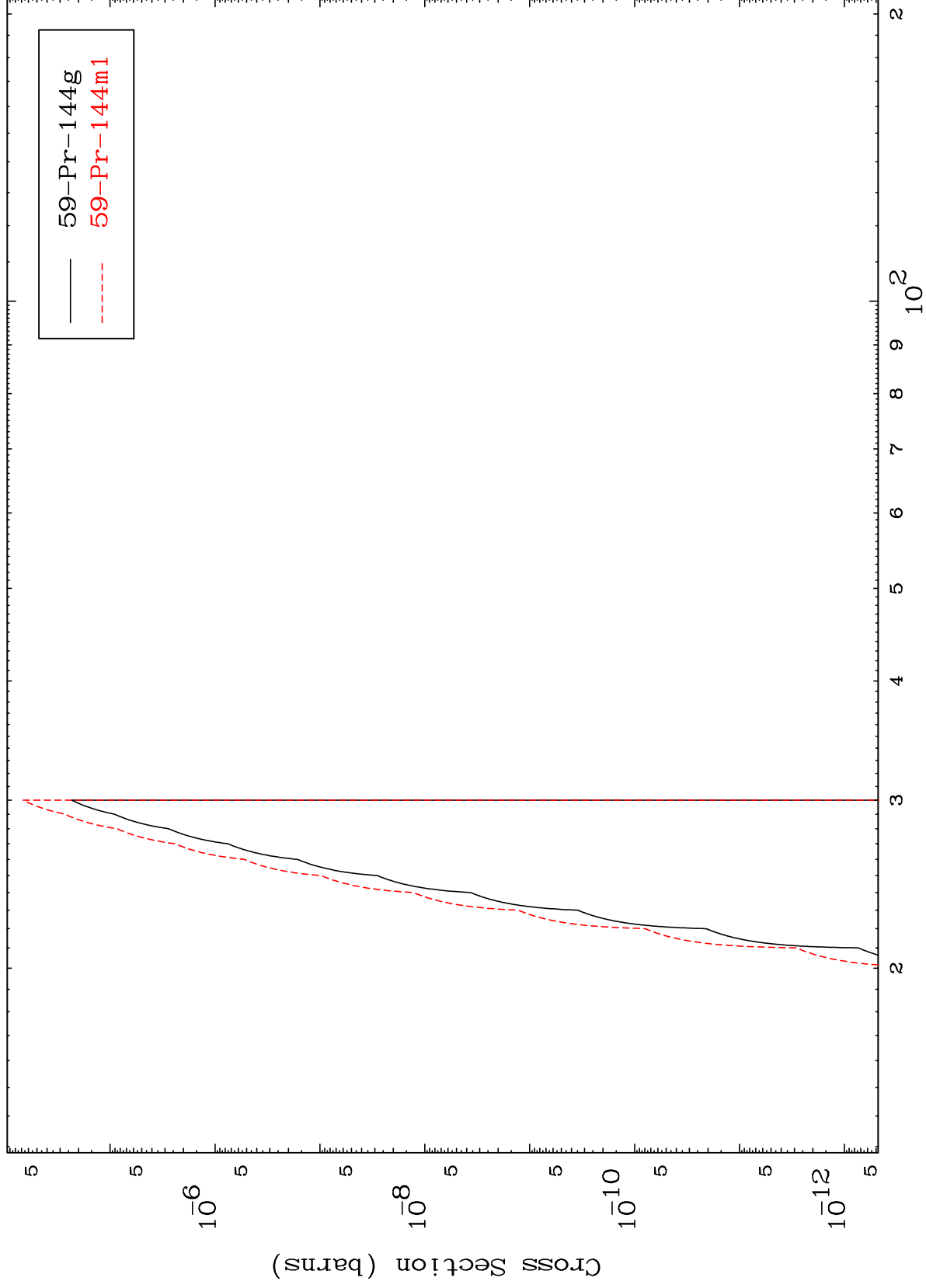








Radionuclide Production Cross Section



Radionuclide Production Cross Section
(n, γ)

