

Program EVALPLOT
(Version 2021-1)

by

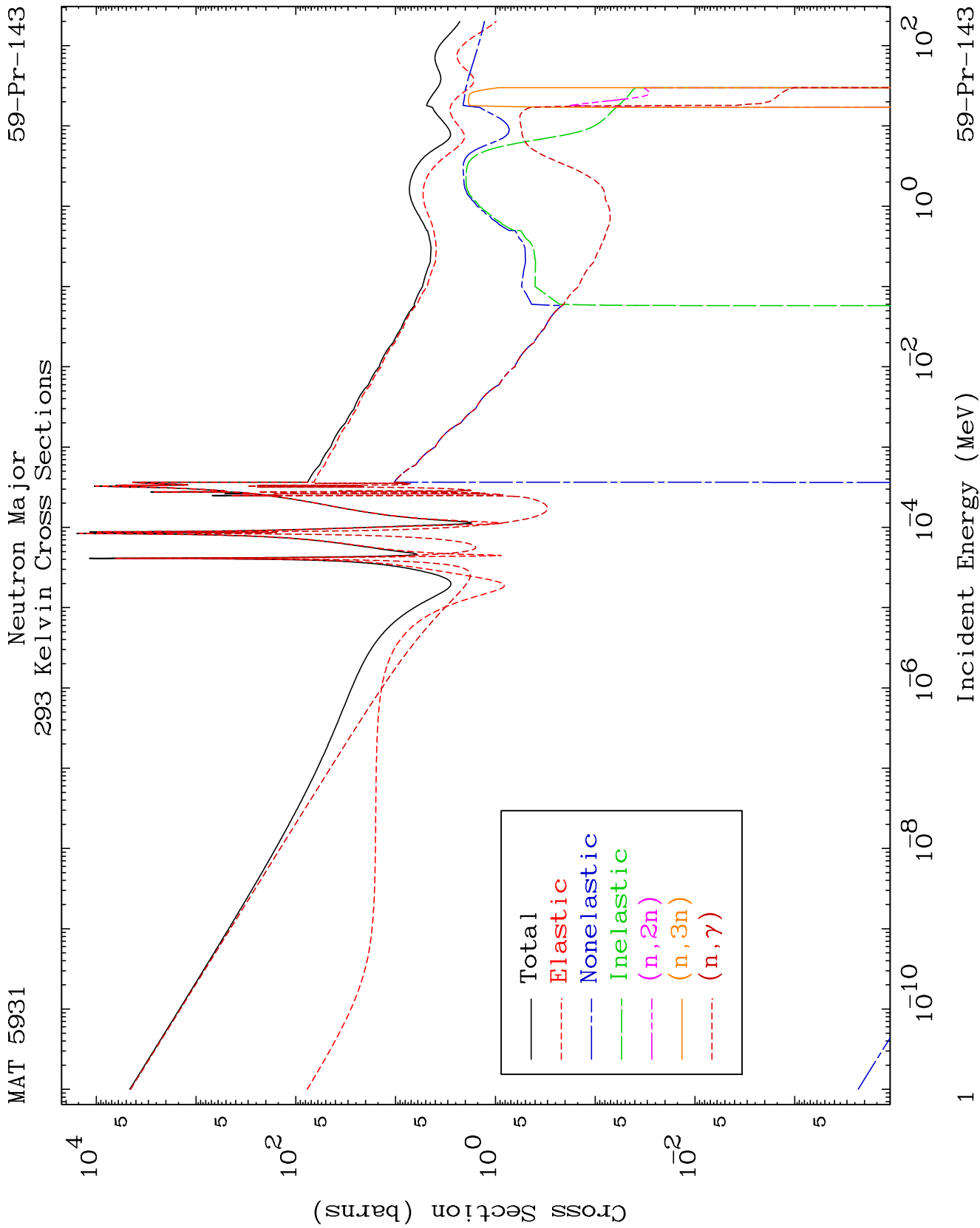
Dermott E. Cullen
(Present Contact Information)

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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

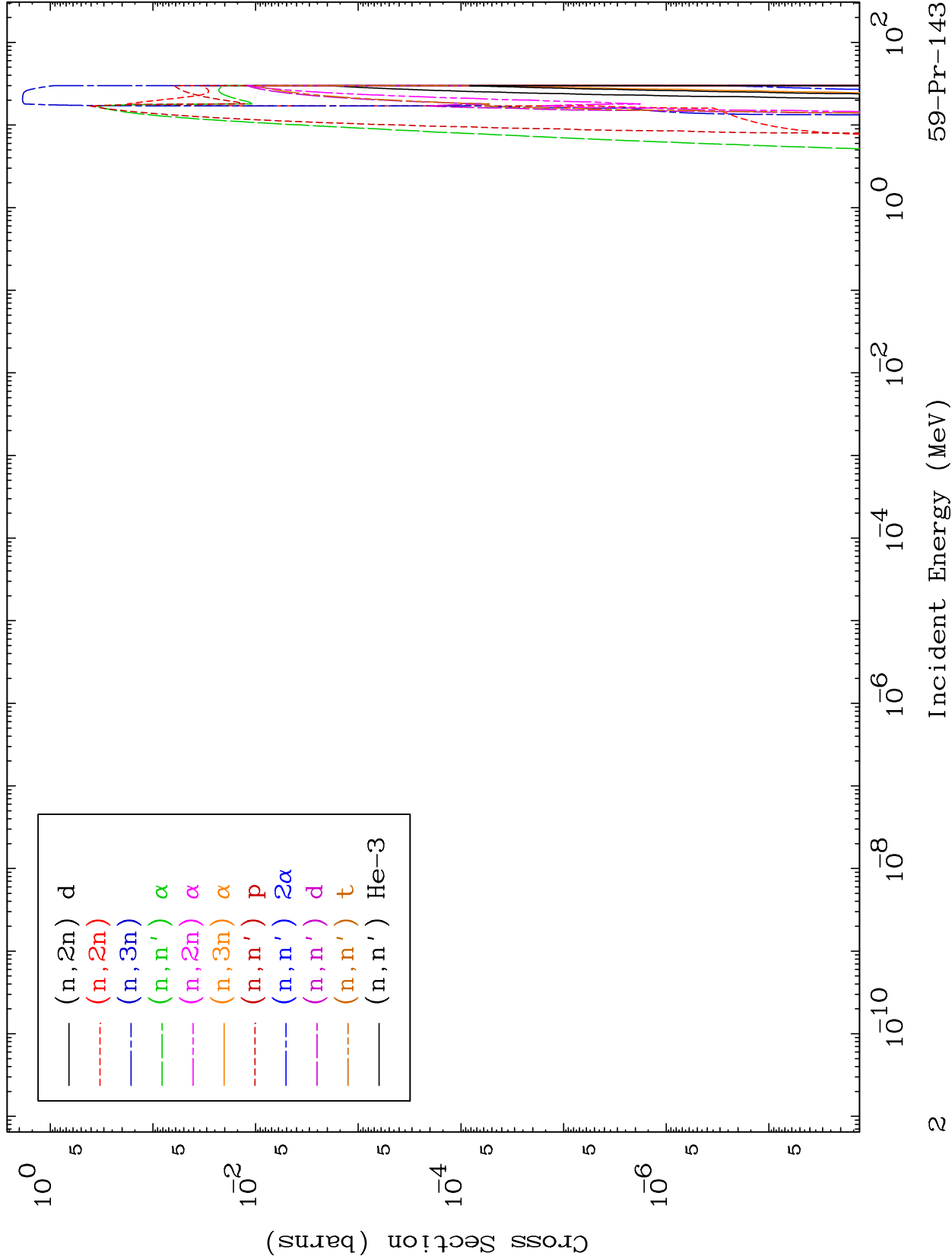
Press Mouse Button to Start

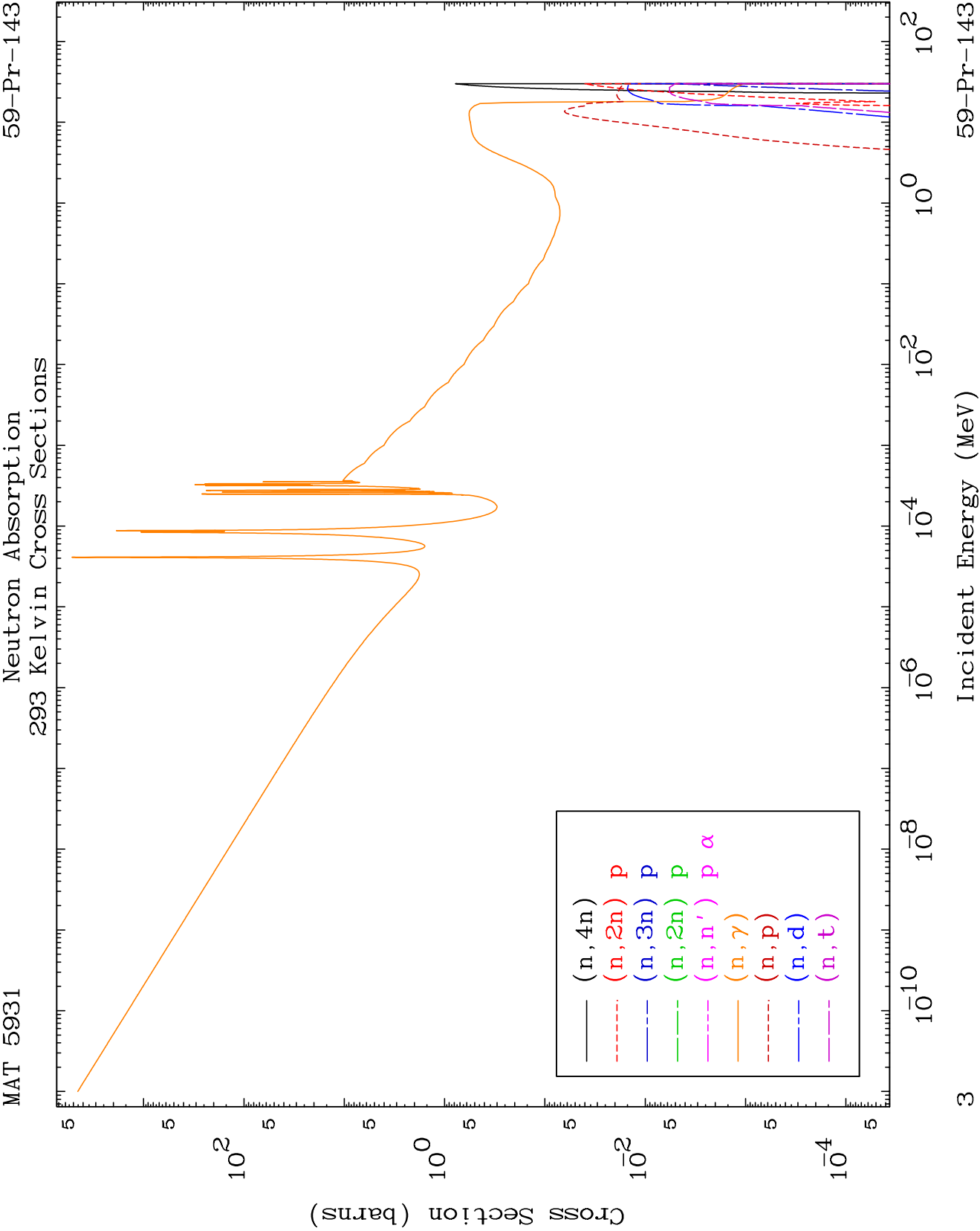


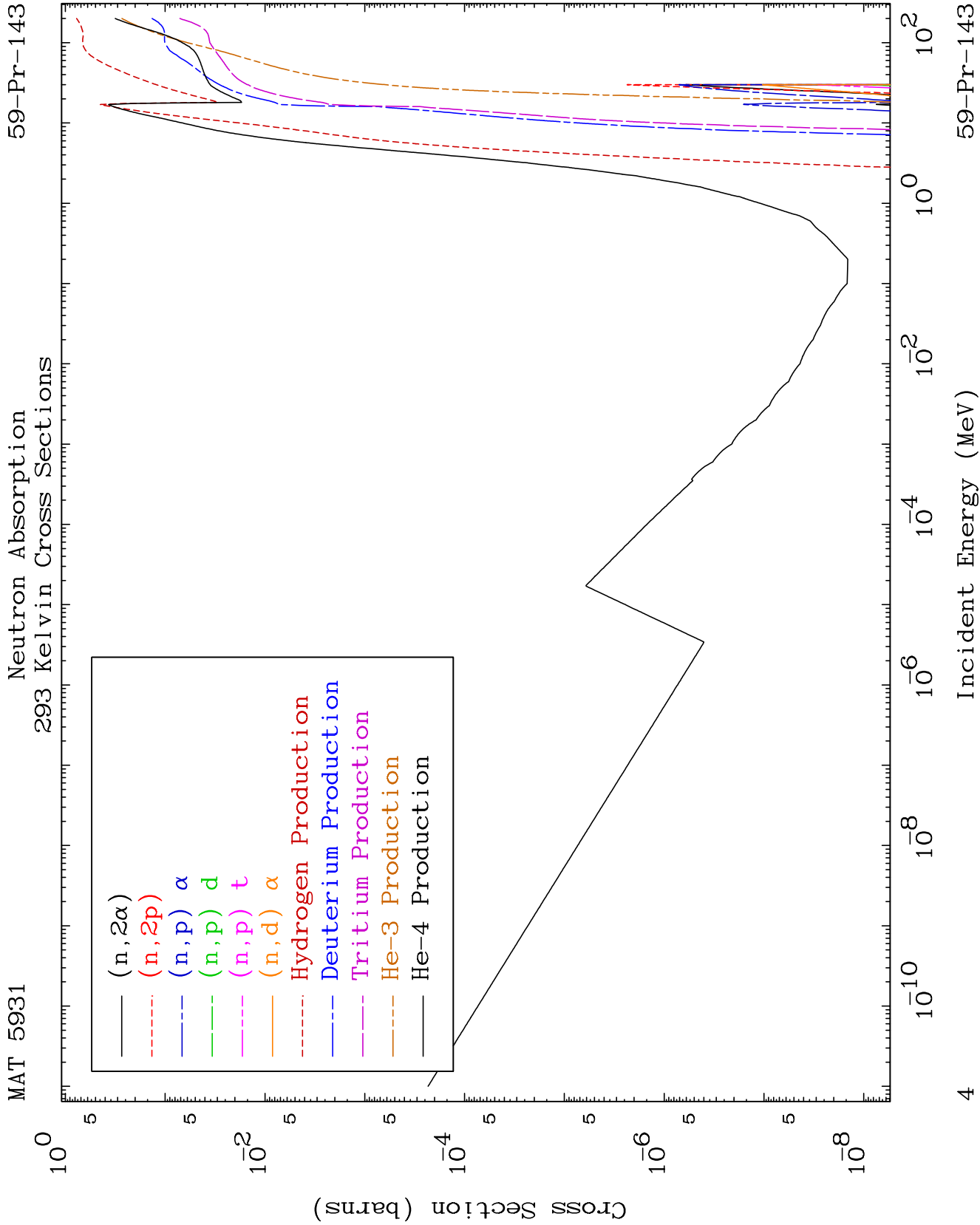
MAT 5931

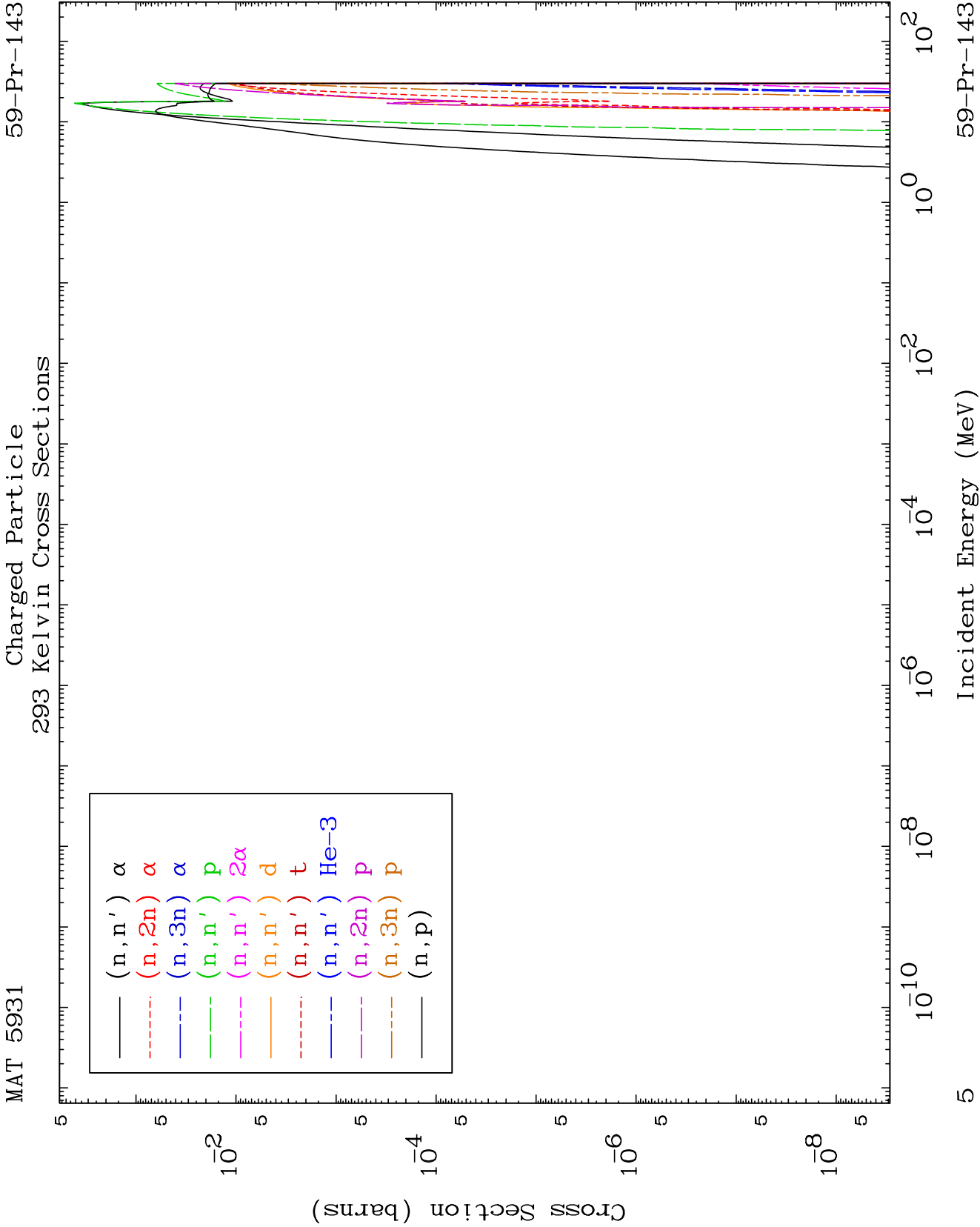
Neutron Absorption
293 Kelvin Cross Sections

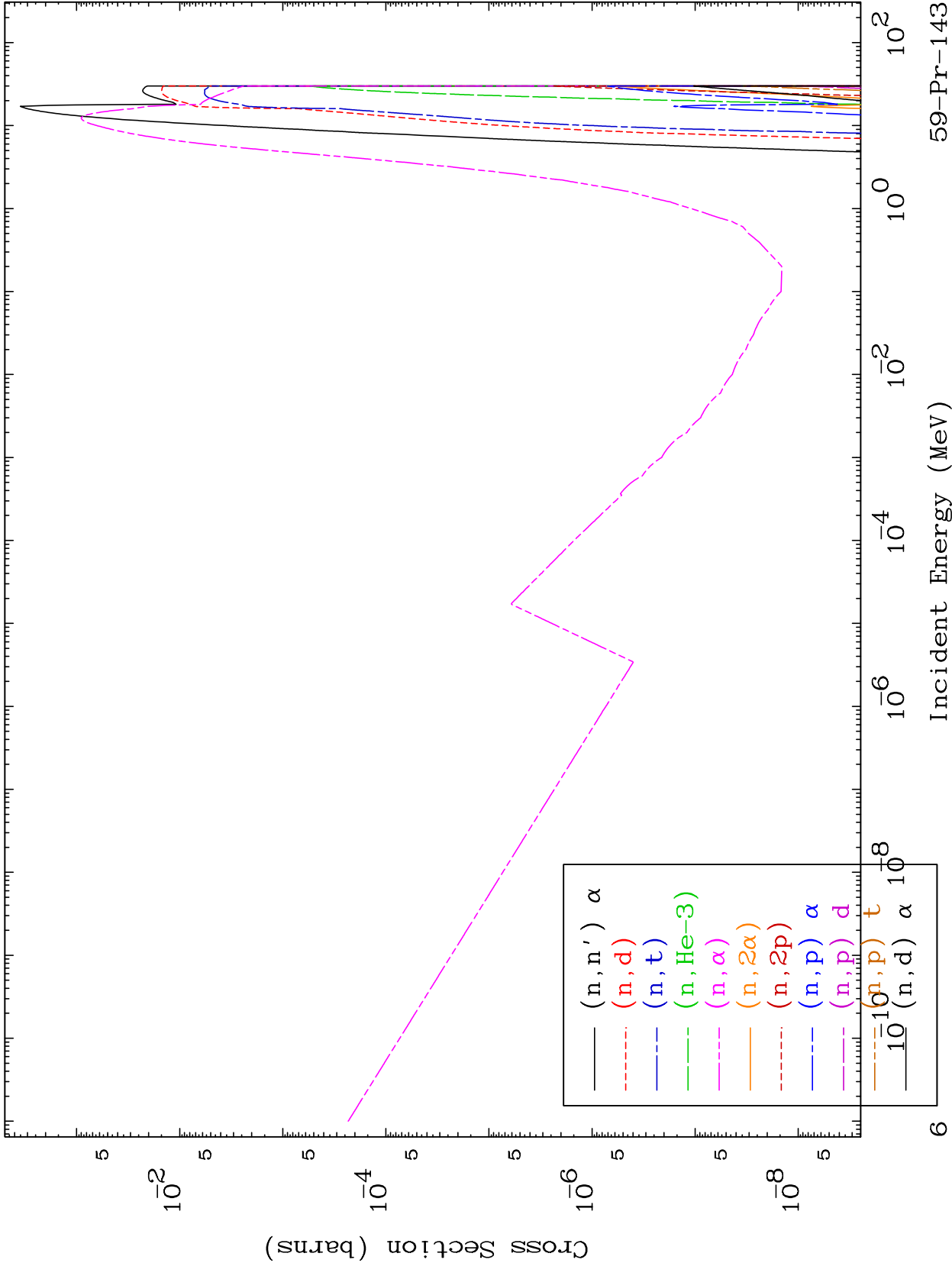
59-Pr-143

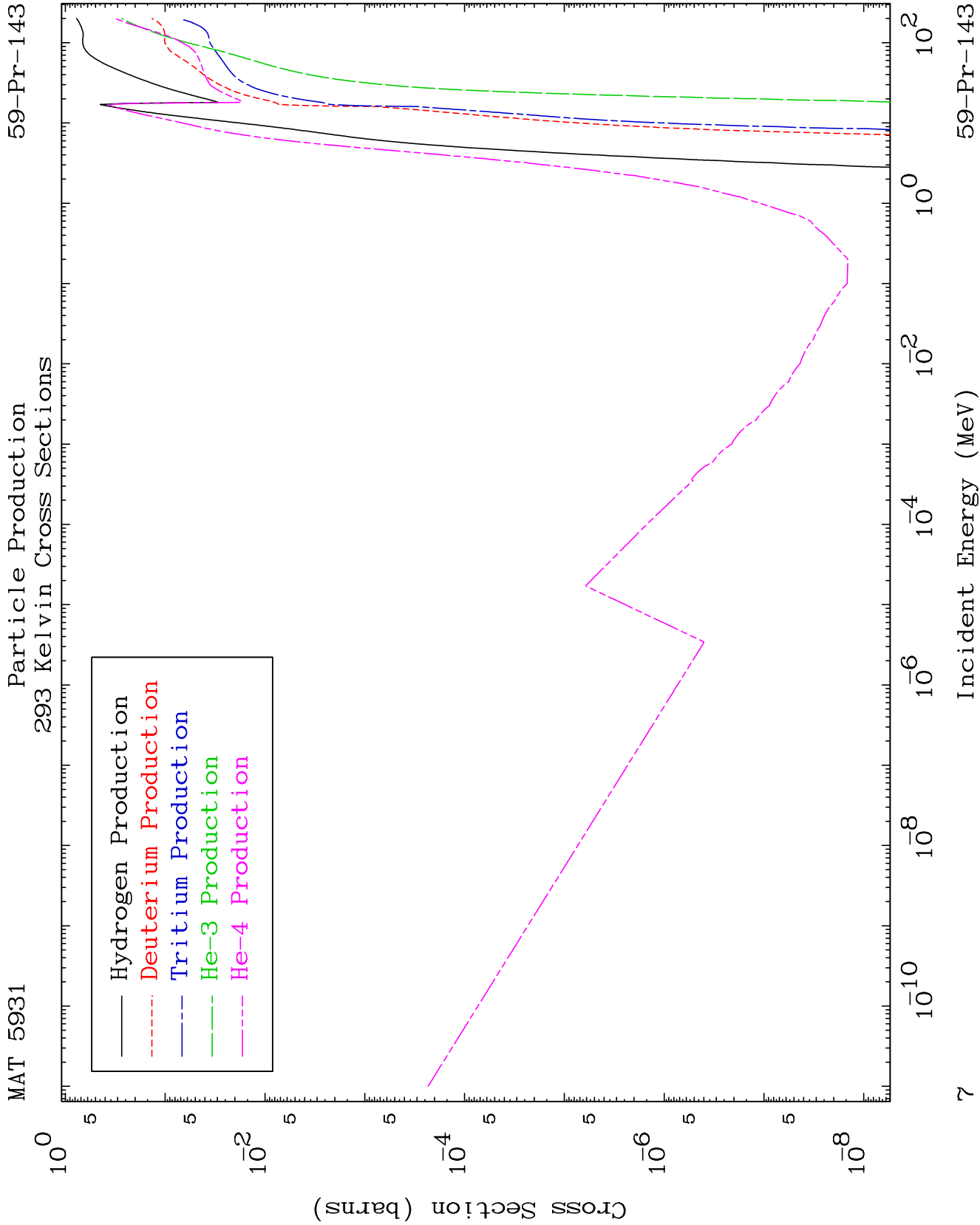


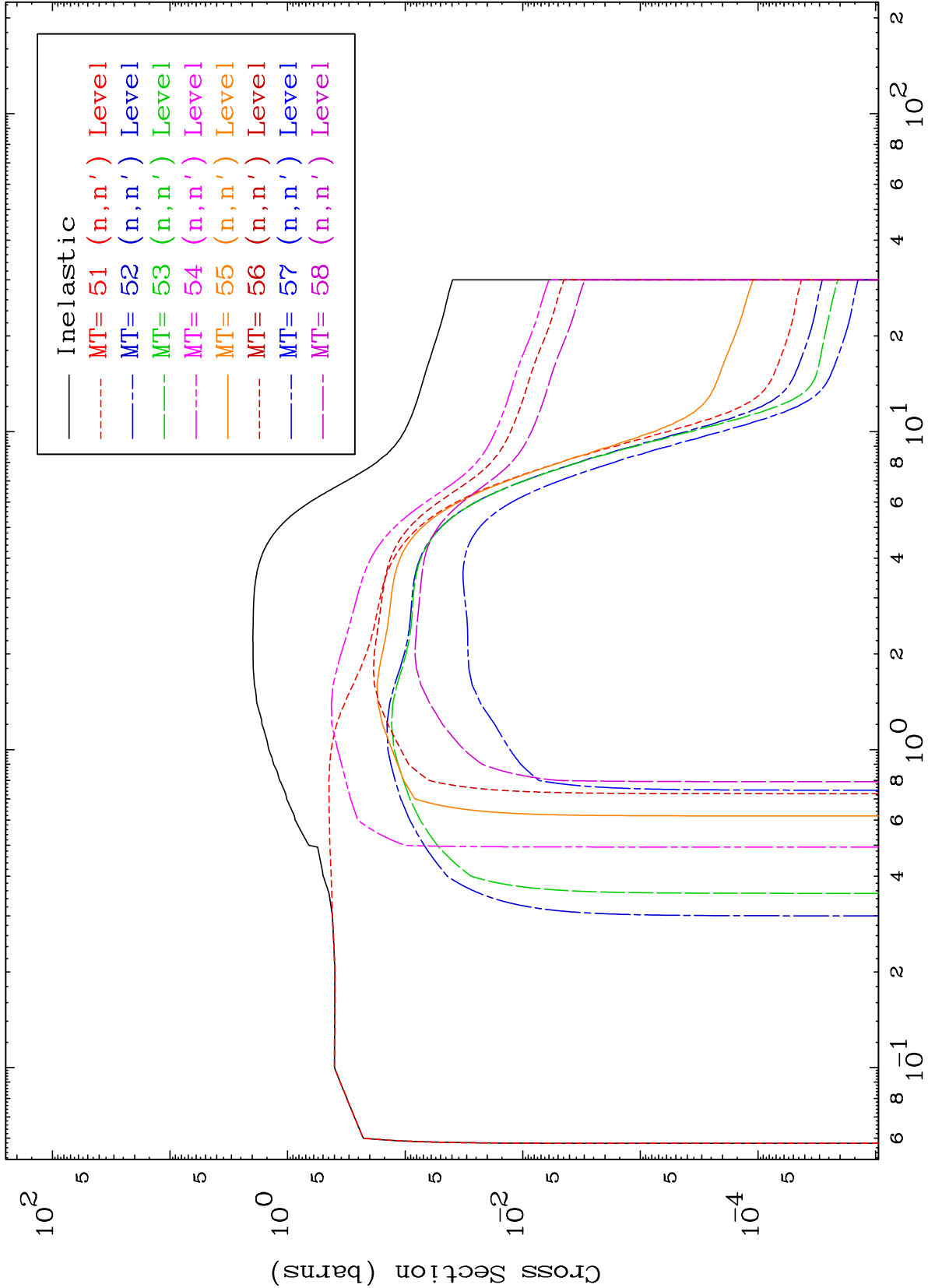


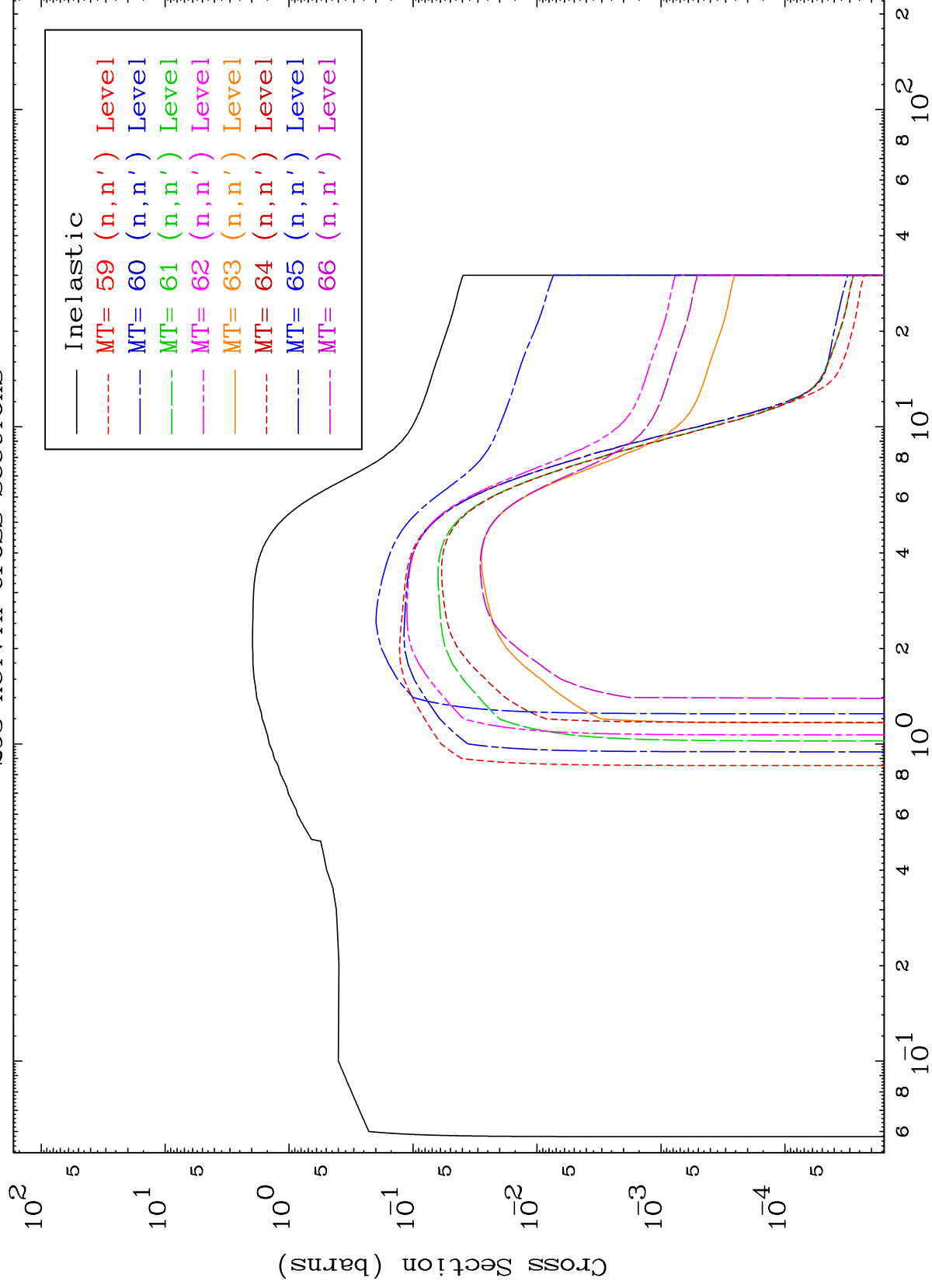








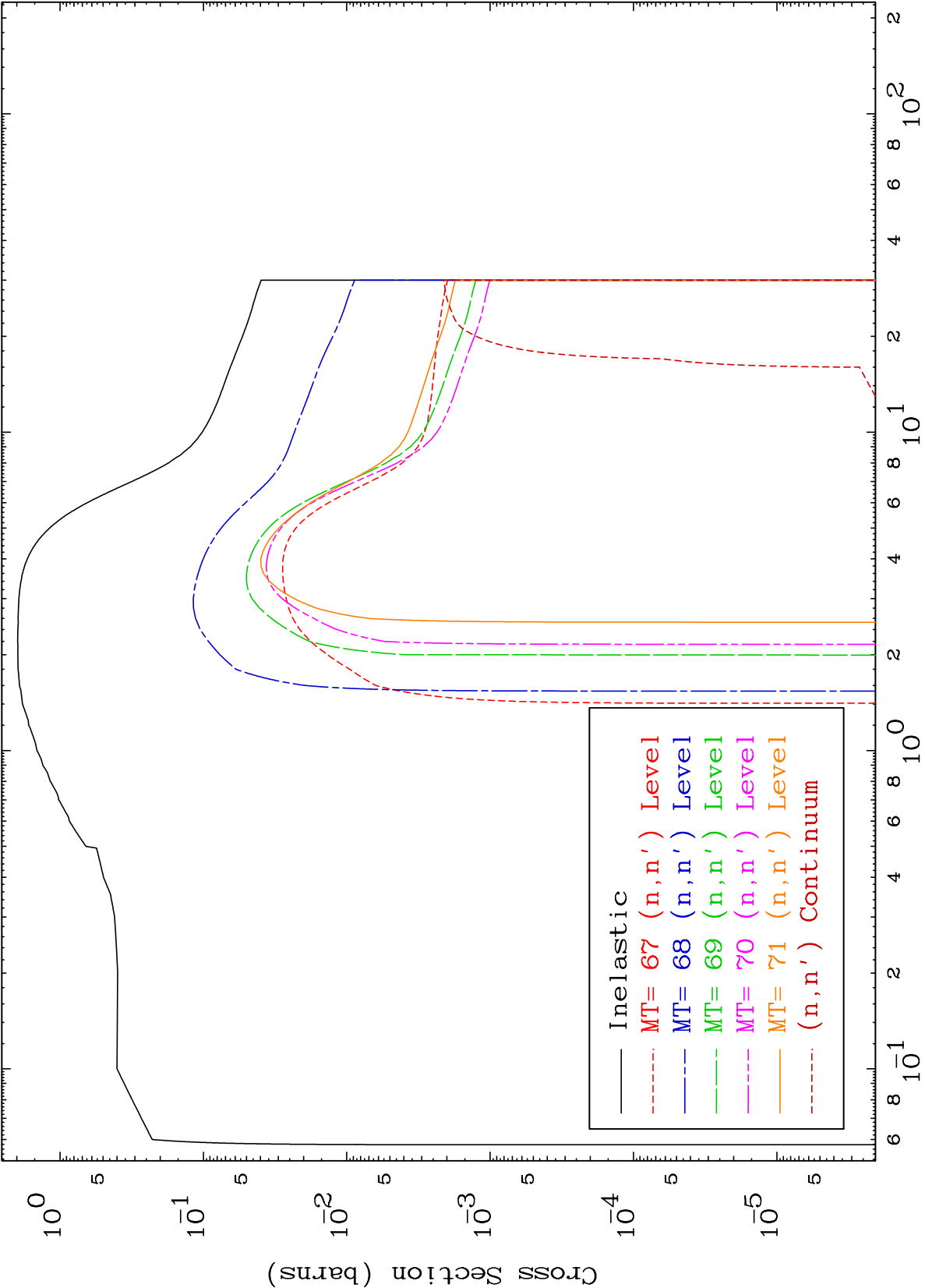




MAT 5931

59-Pr-143

(n,n') Levels
293 Kelvin Cross Sections



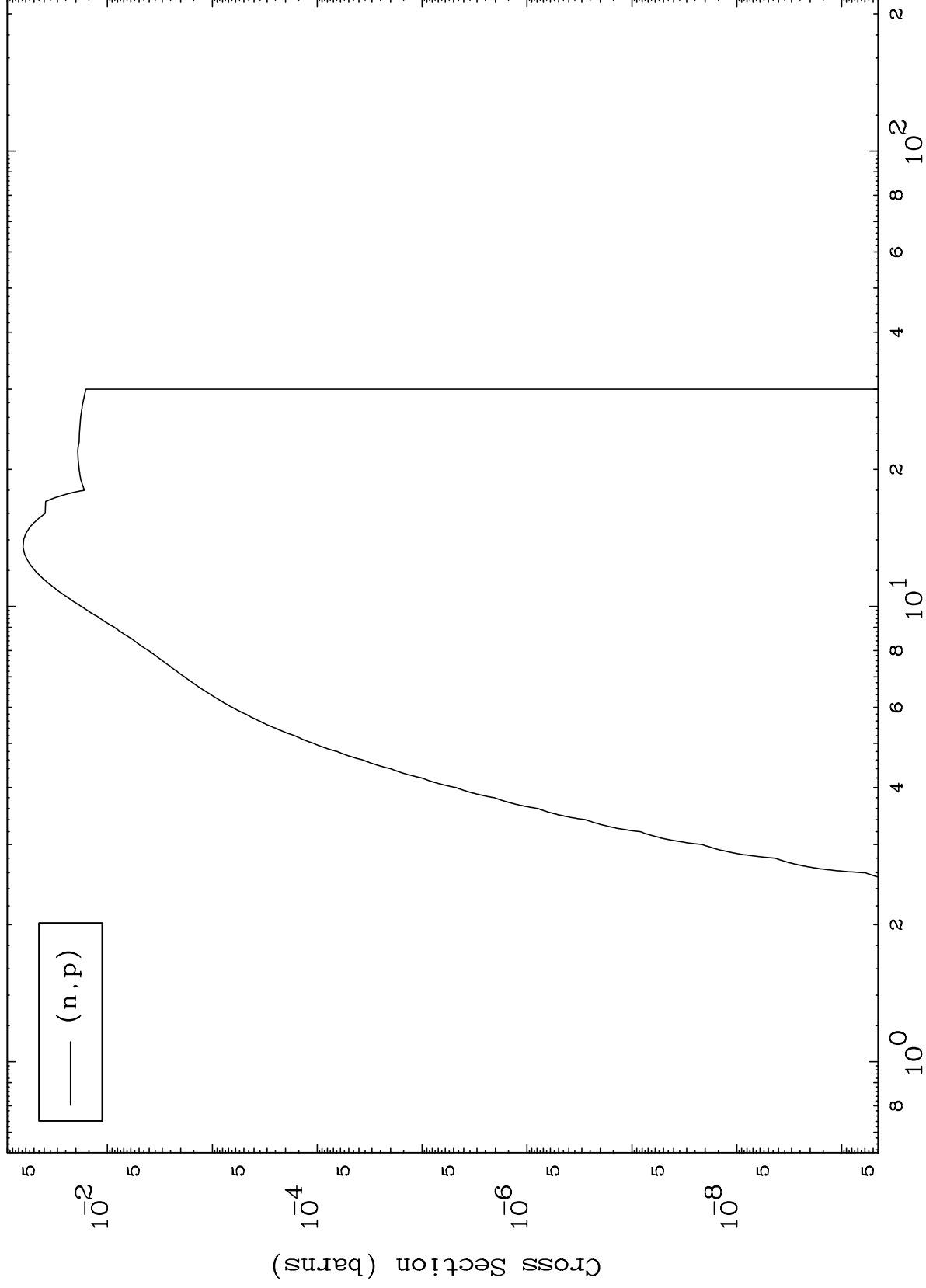
59-Pr-143

Incident Energy (MeV)

MAT 5931

59-Pr-143

(n,p) Levels
293 Kelvin Cross Sections



59-Pr-143

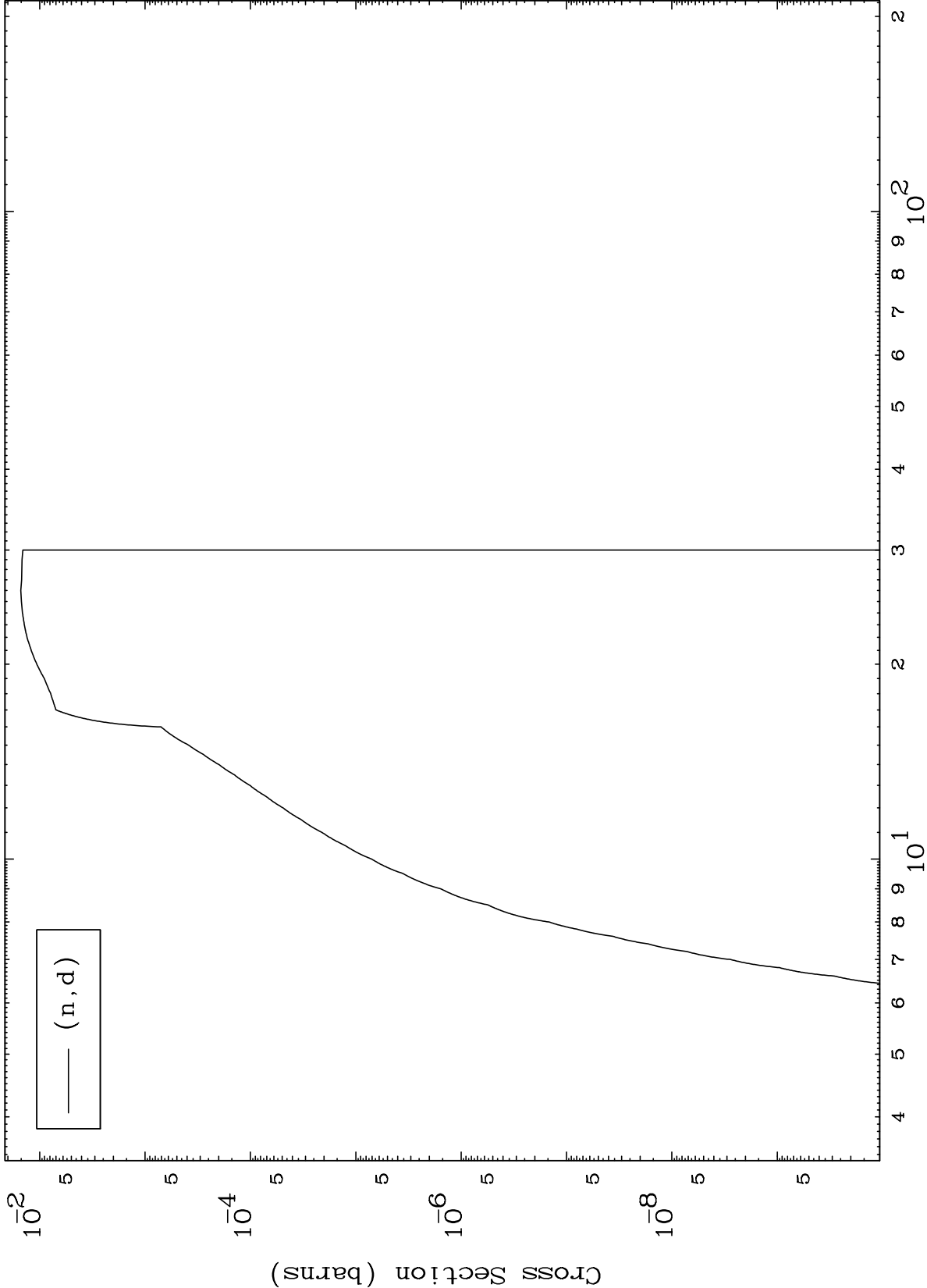
Incident Energy (MeV)

11

MAT 5931

(n,d) Levels
293 Kelvin Cross Sections

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12

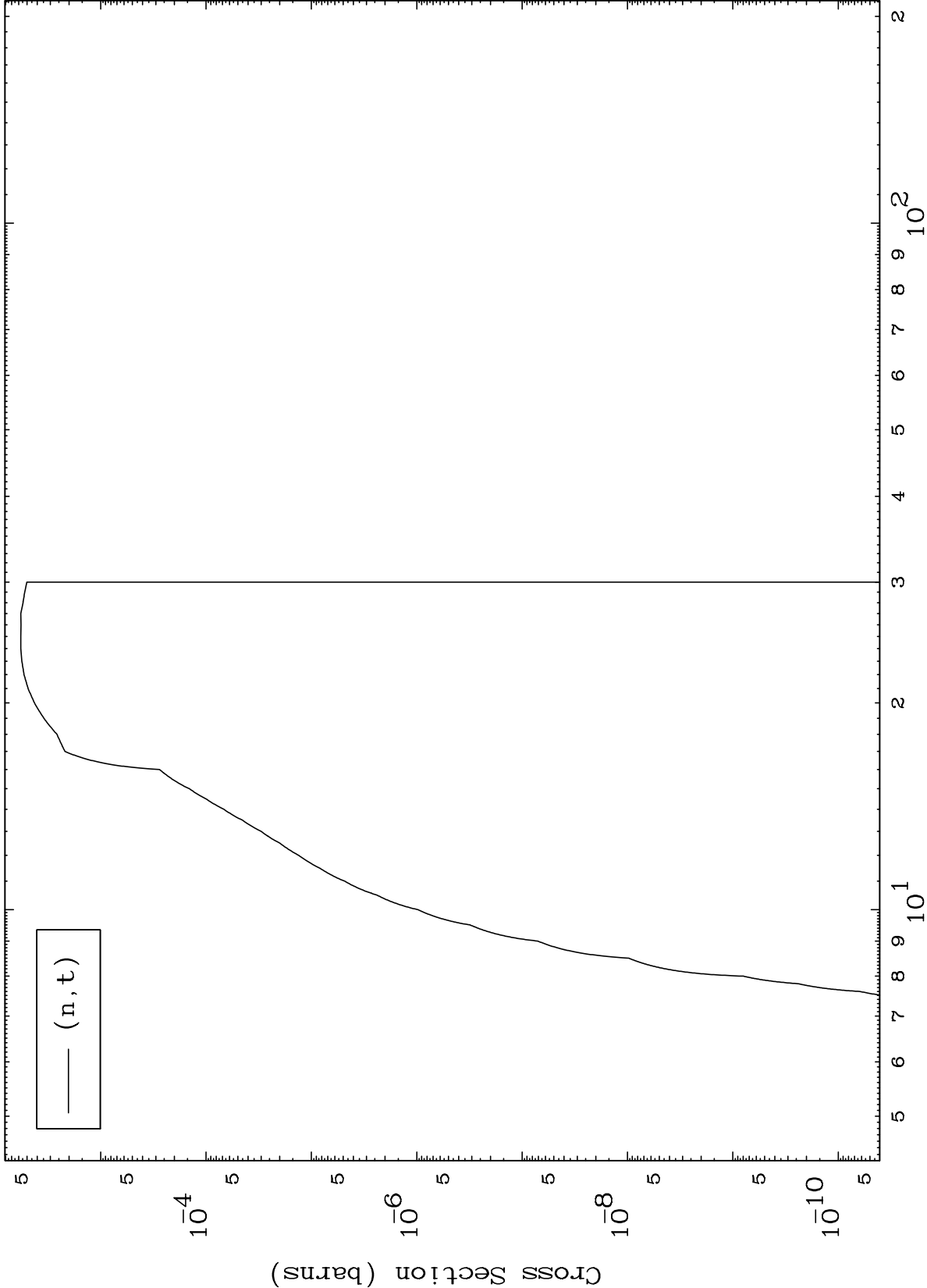
Incident Energy (MeV)

59-Pr-143

MAT 5931

(n,t) Levels
293 Kelvin Cross Sections

59-Pr-143



13

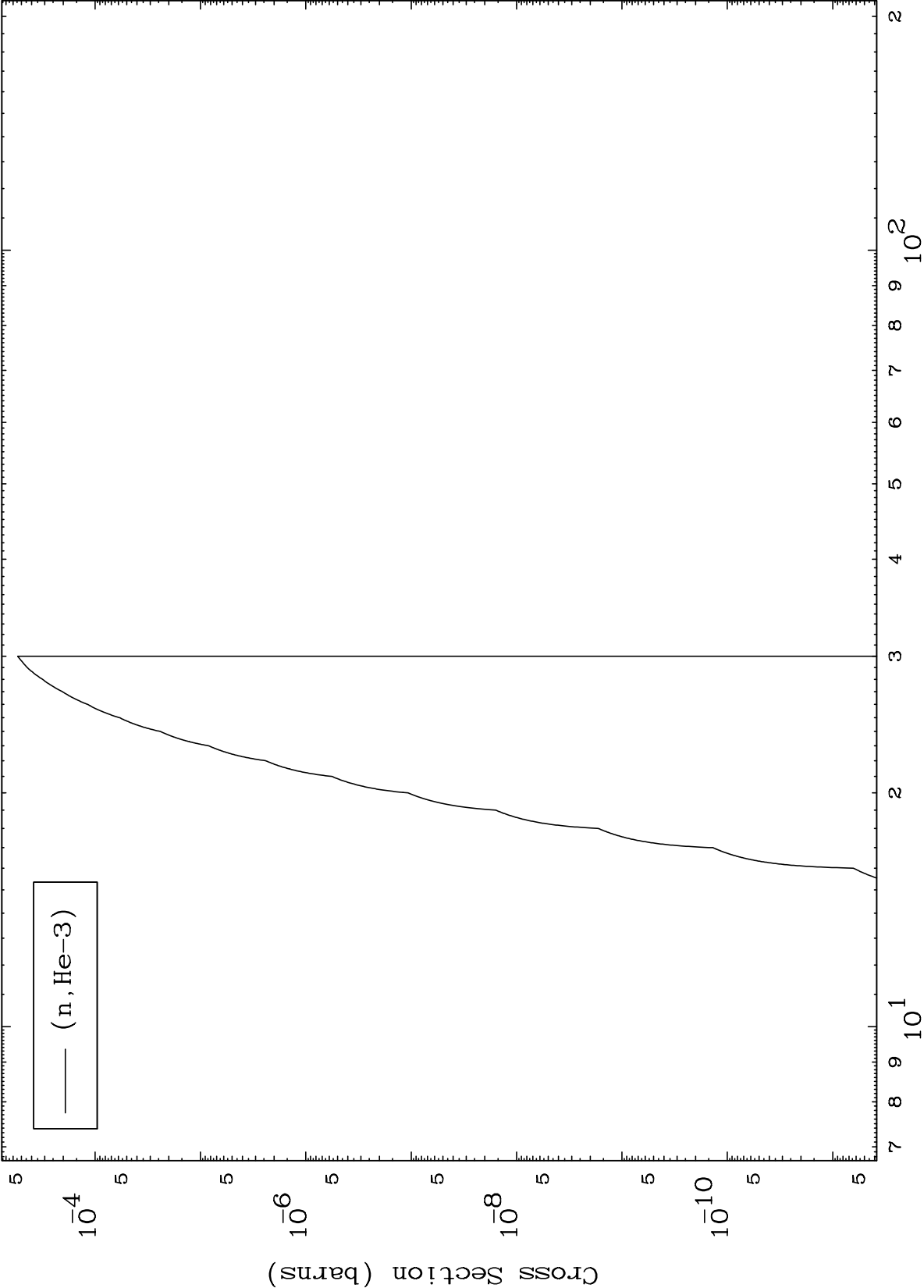
Incident Energy (MeV)

59-Pr-143

MAT 5931

59-Pr-143

(n,He3) Levels
293 Kelvin Cross Sections



59-Pr-143

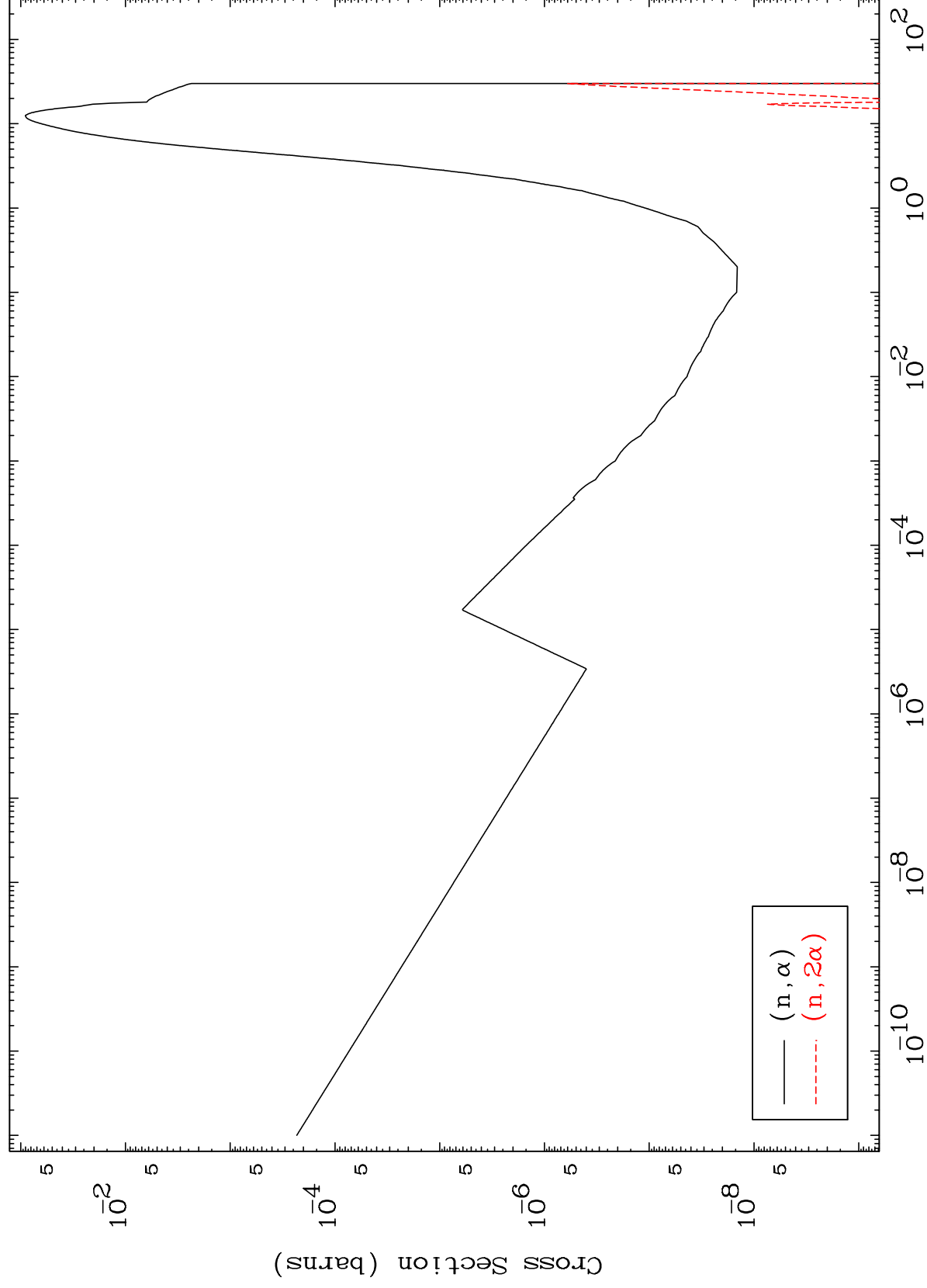
Incident Energy (MeV)

14

MAT 5931

(n, α) Levels
293 Kelvin Cross Sections

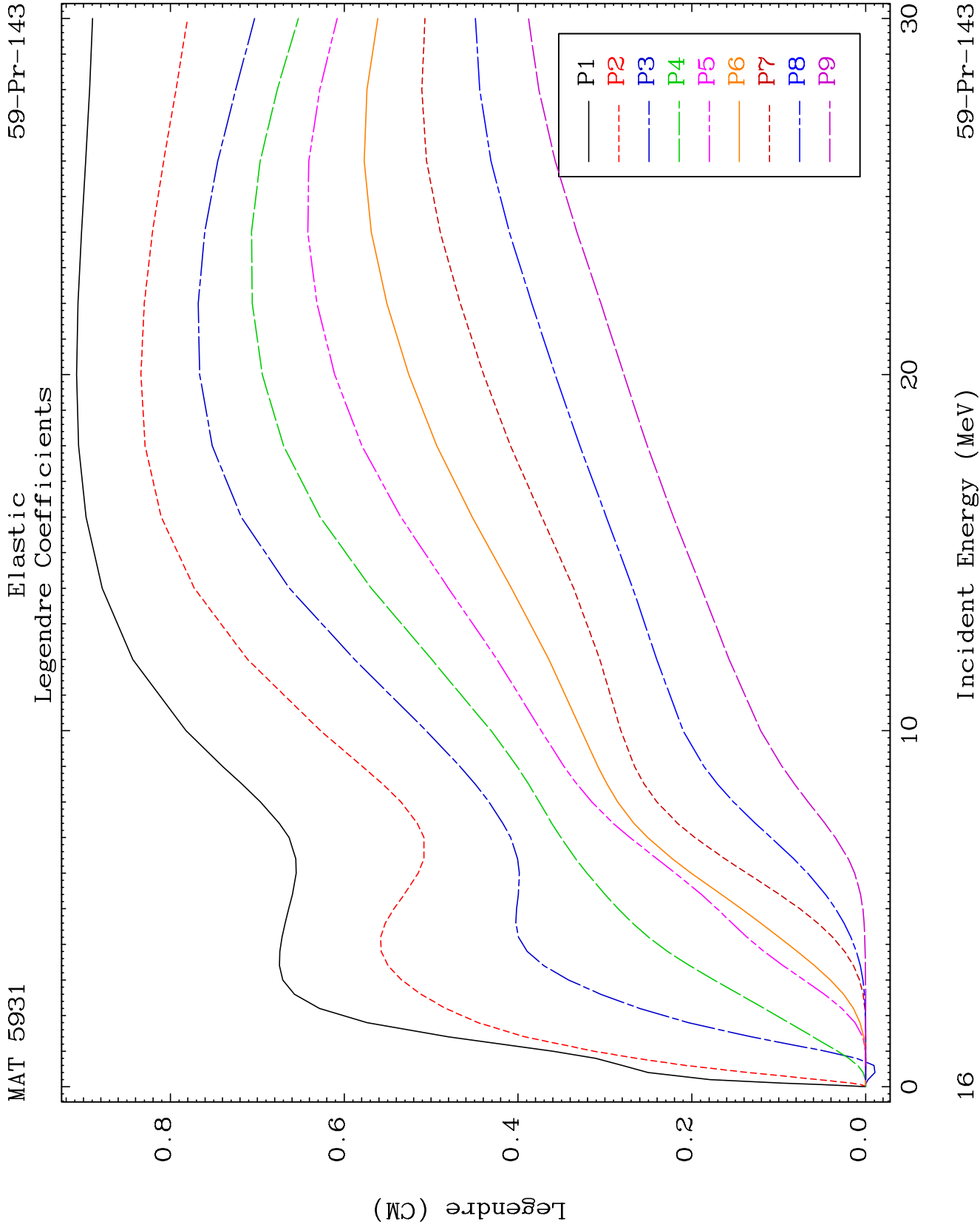
59-Pr-143

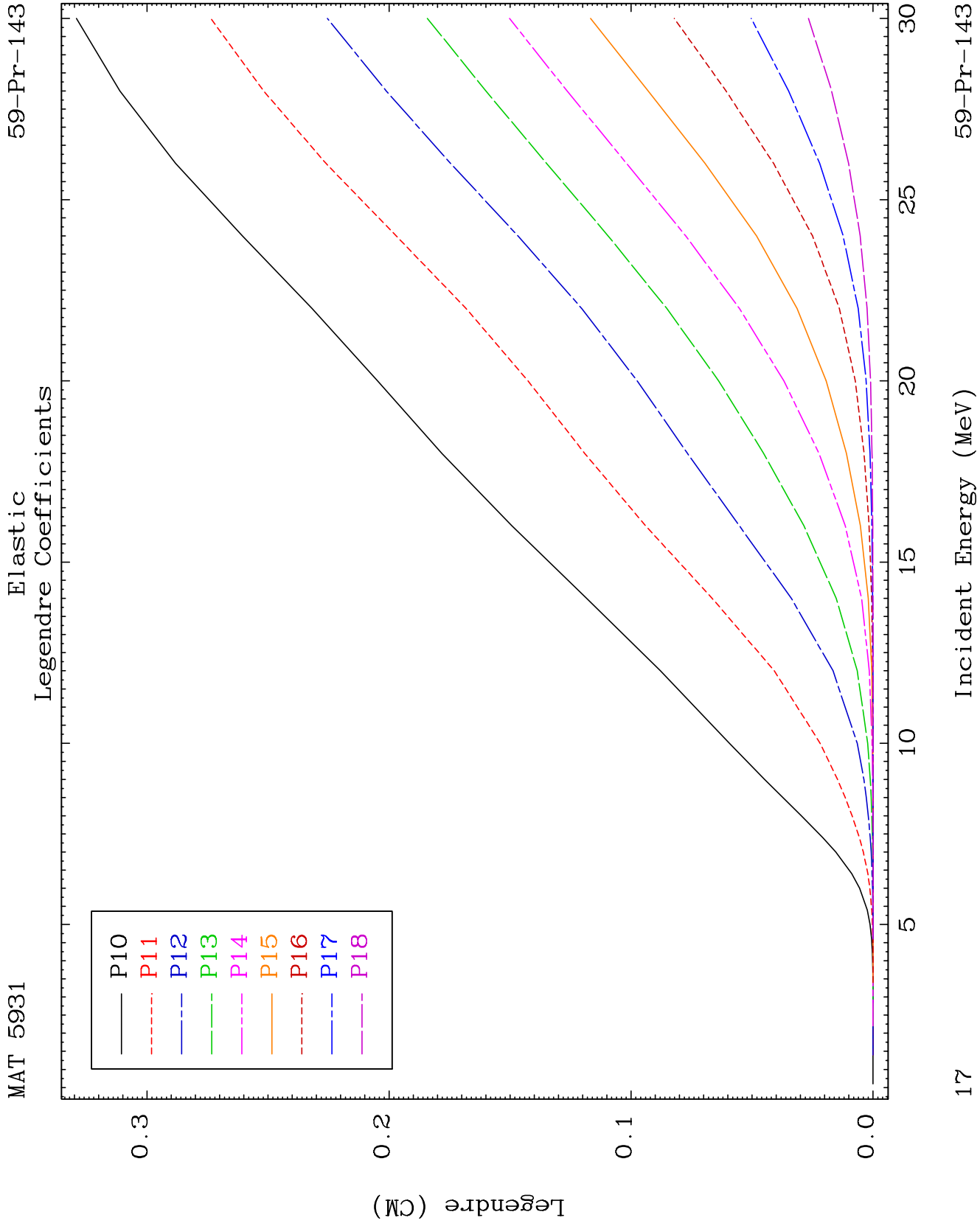


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Incident Energy (MeV)

59-Pr-143

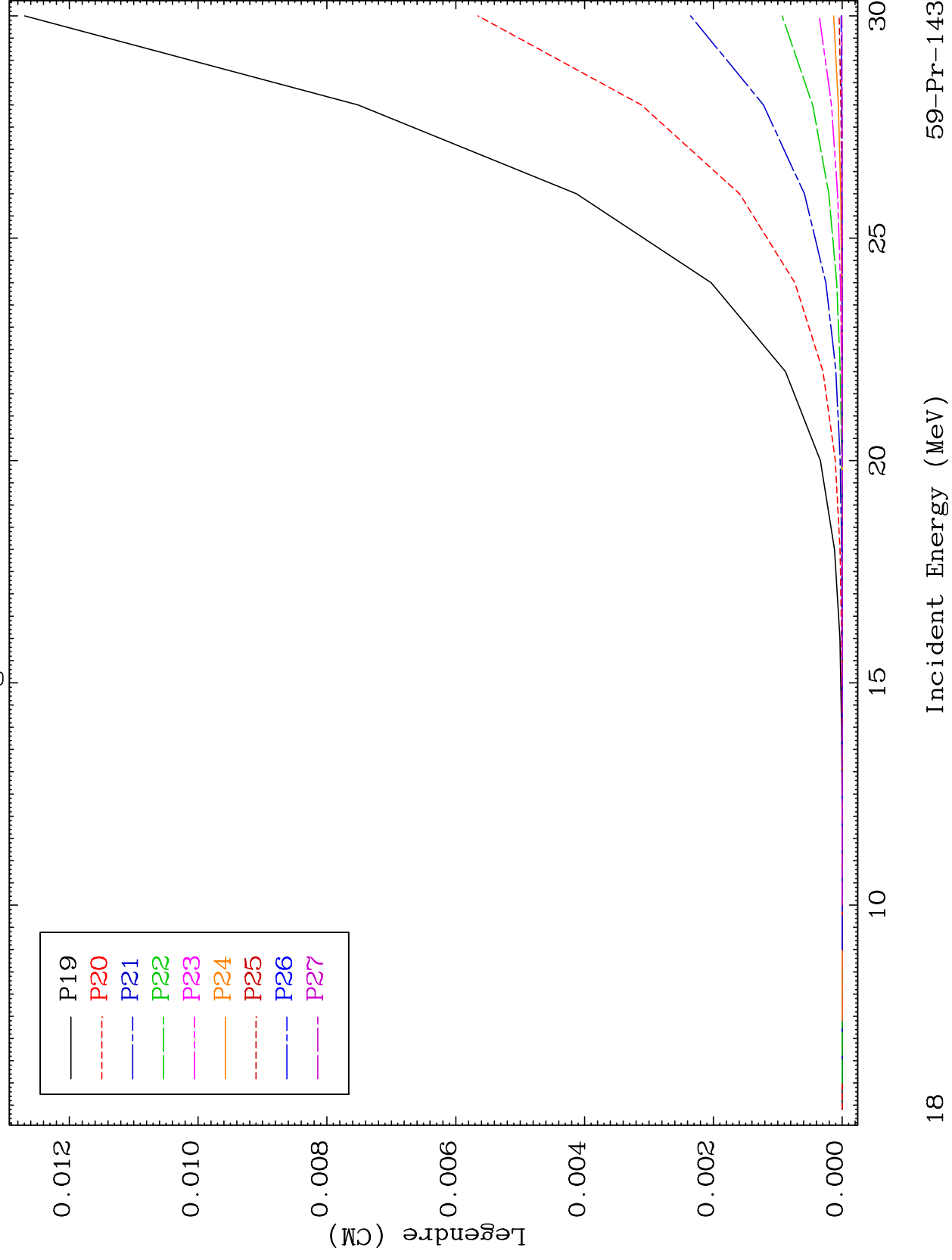




MAT 5931

Elastic Legendre Coefficients

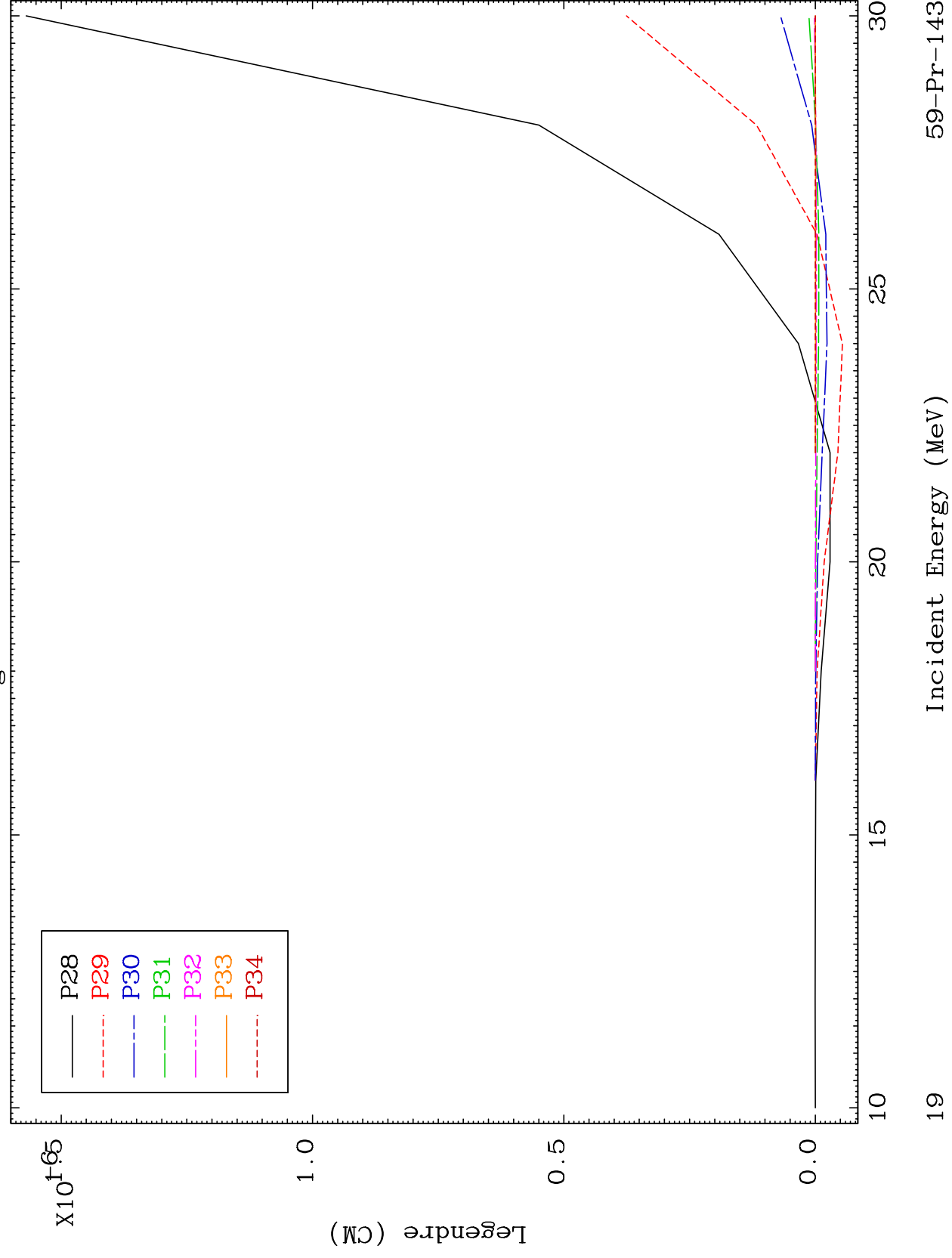
59-Pr-143



MAT 5931

Elastic Legendre Coefficients

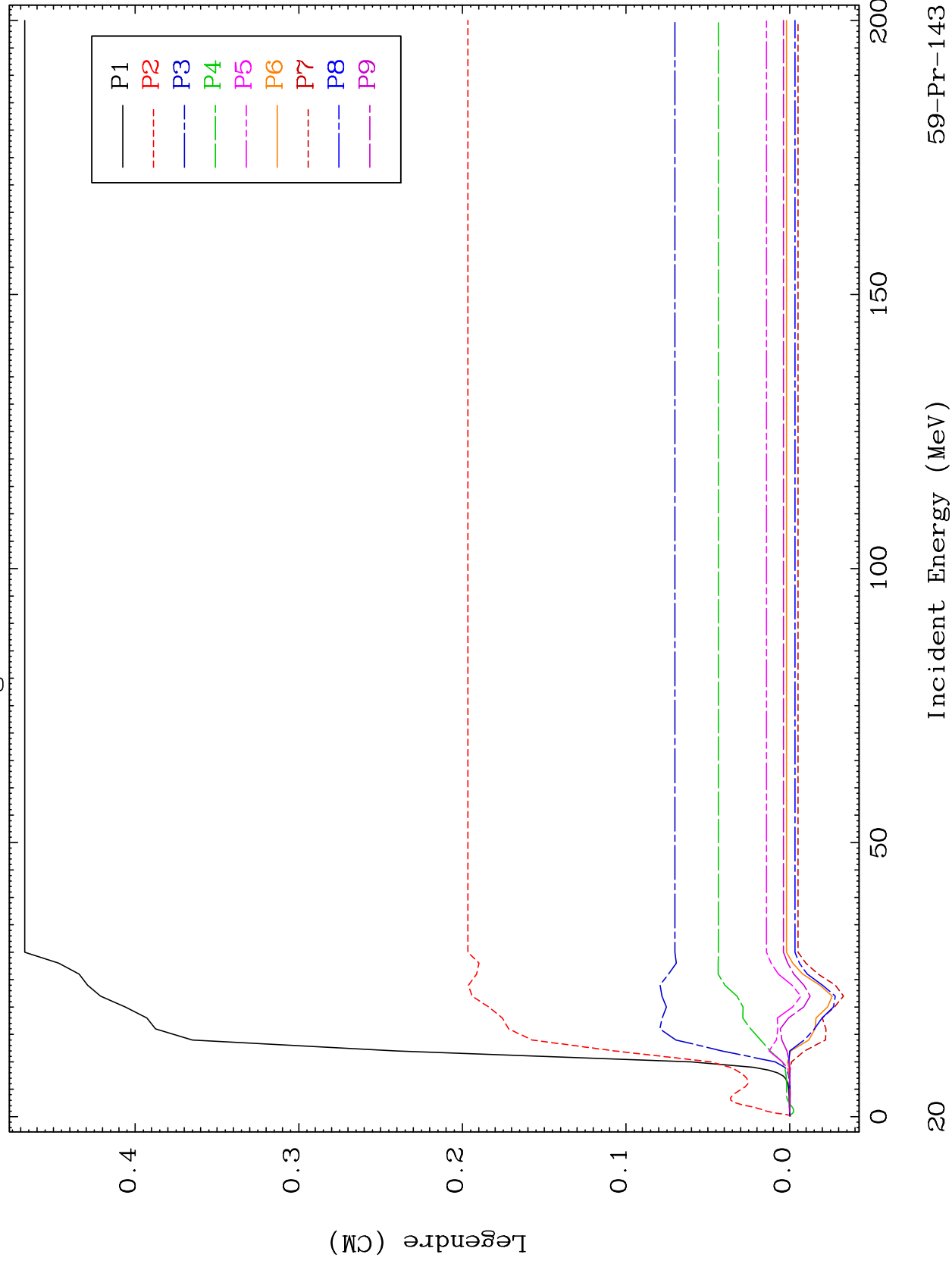
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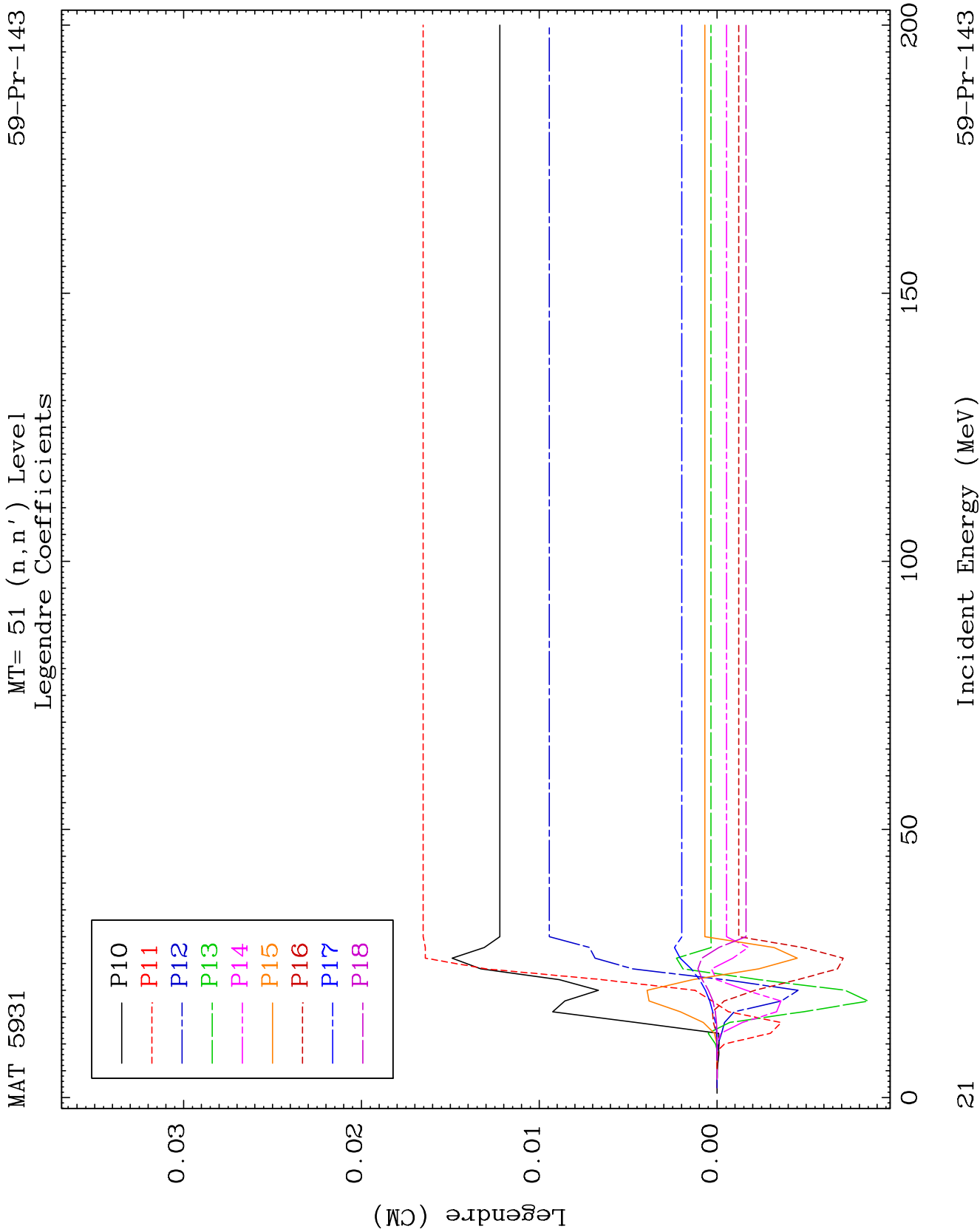


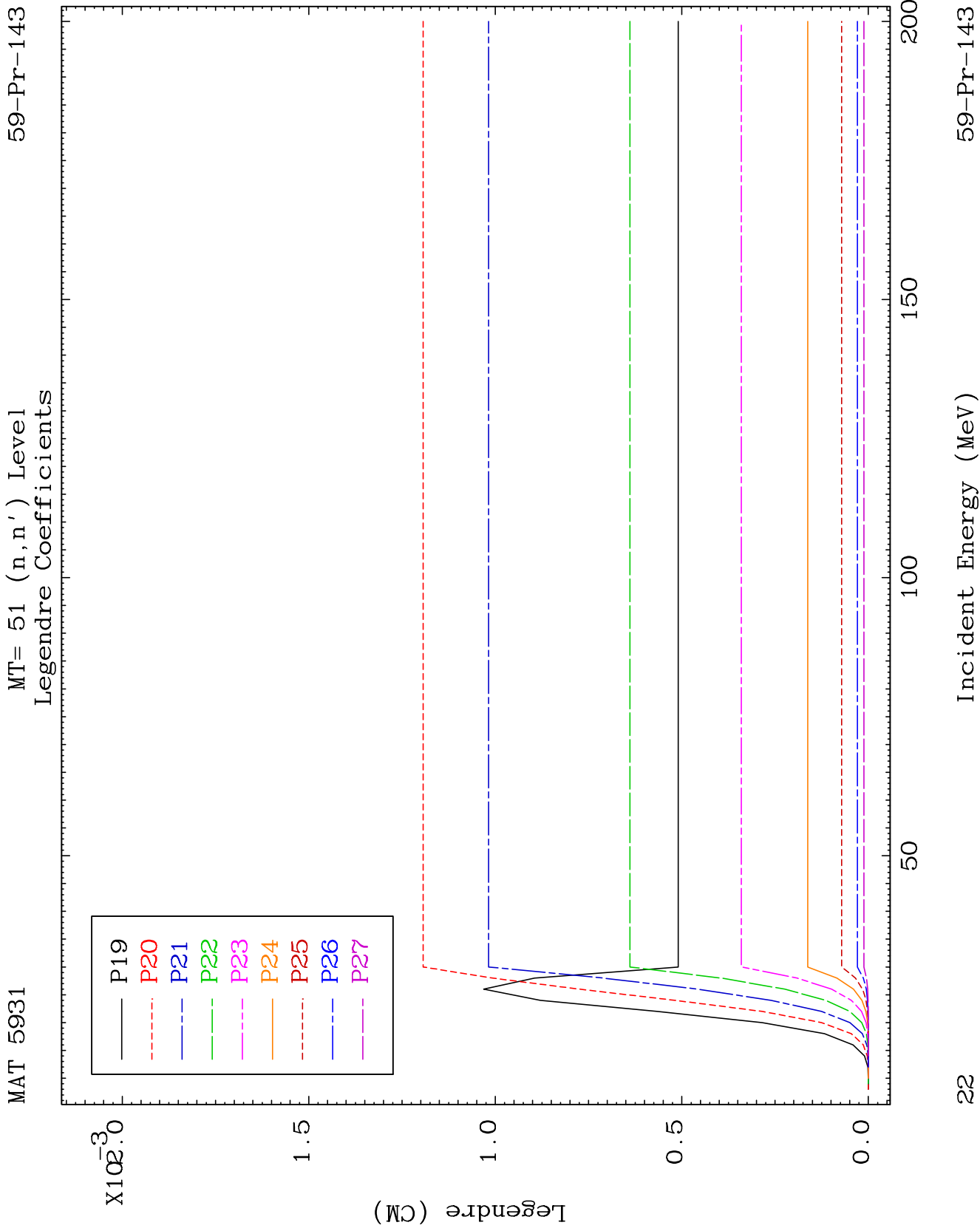
MAT 5931

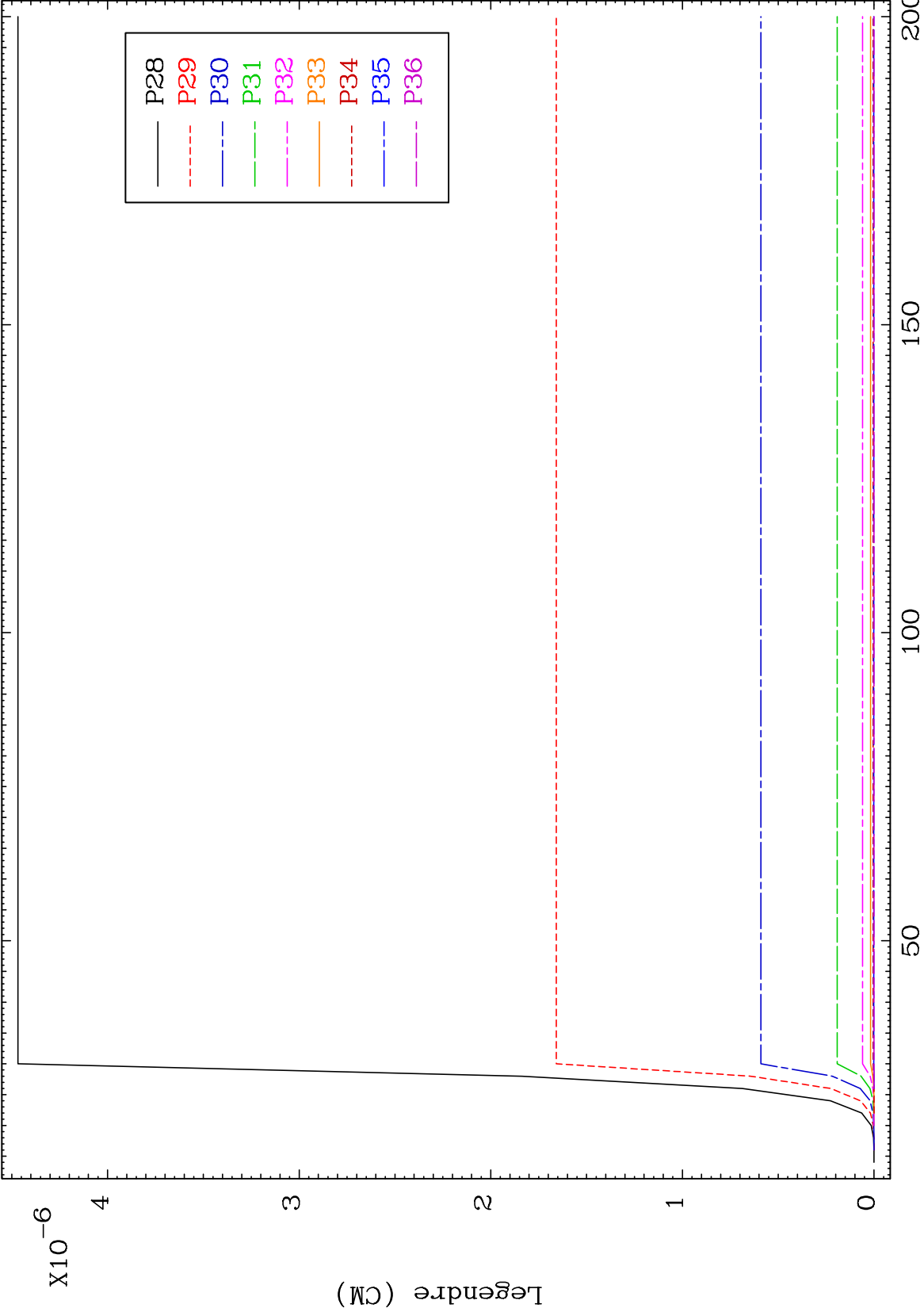
MT= 51 (n, n') Level
Legendre Coefficients

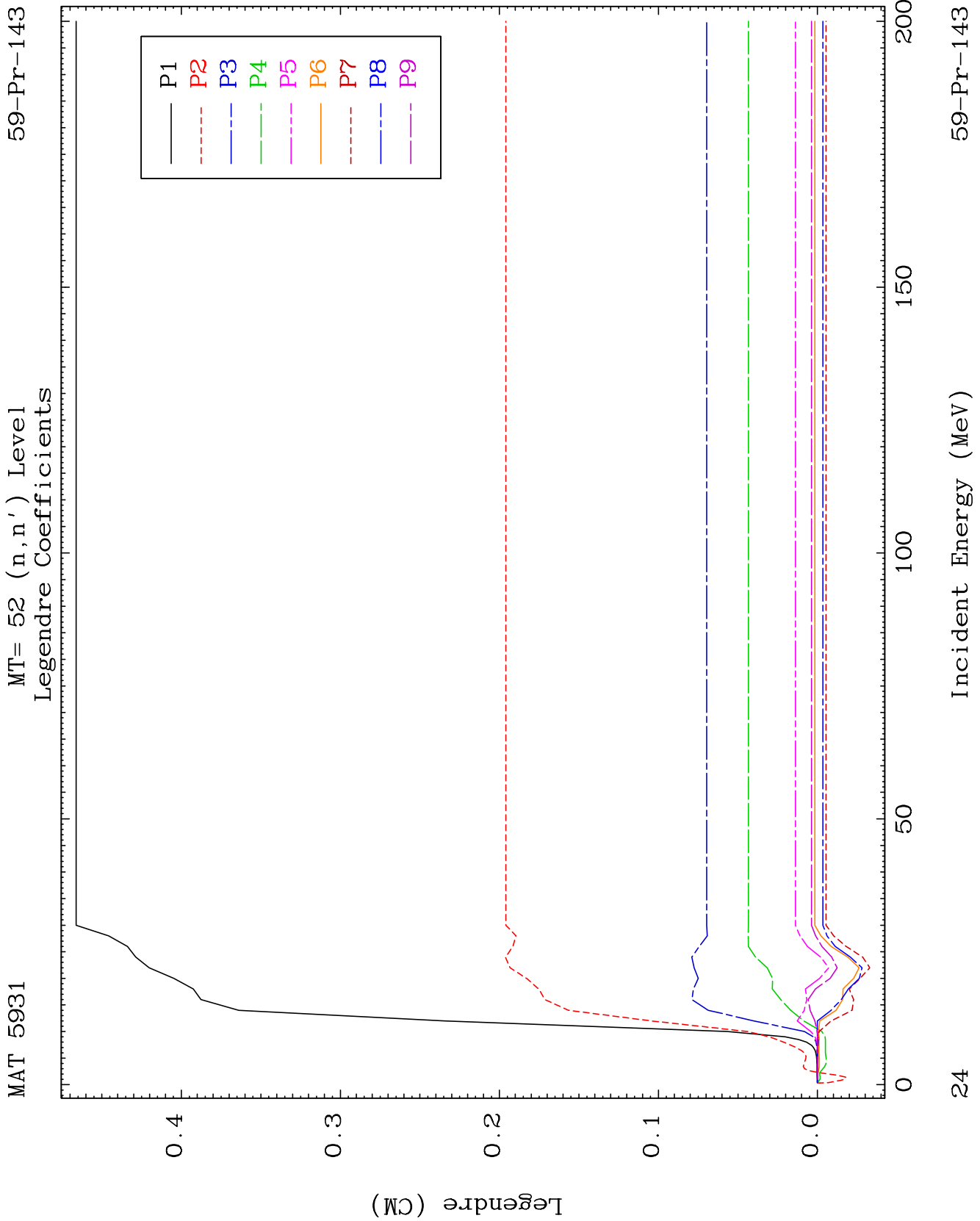
59-Pr-143

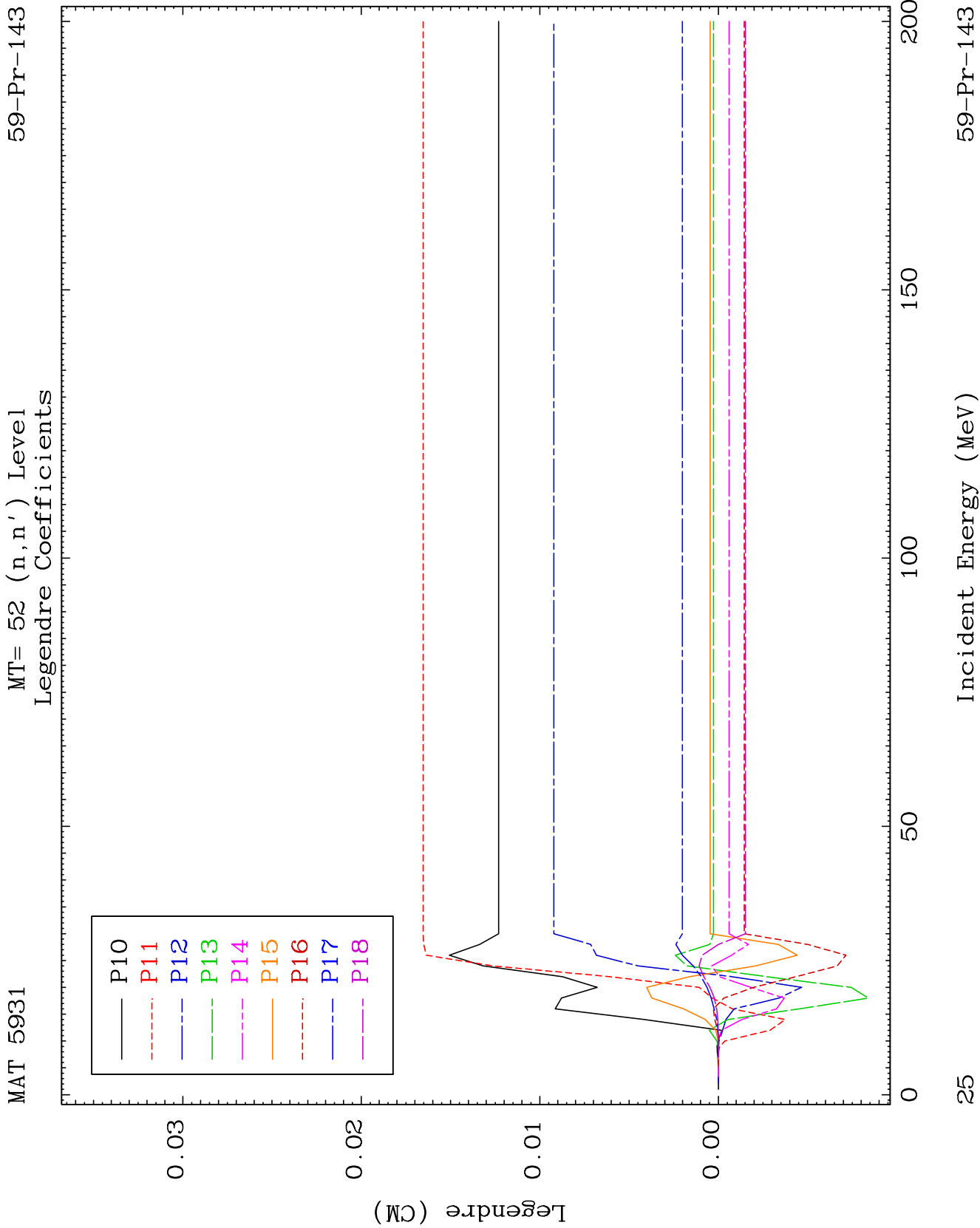








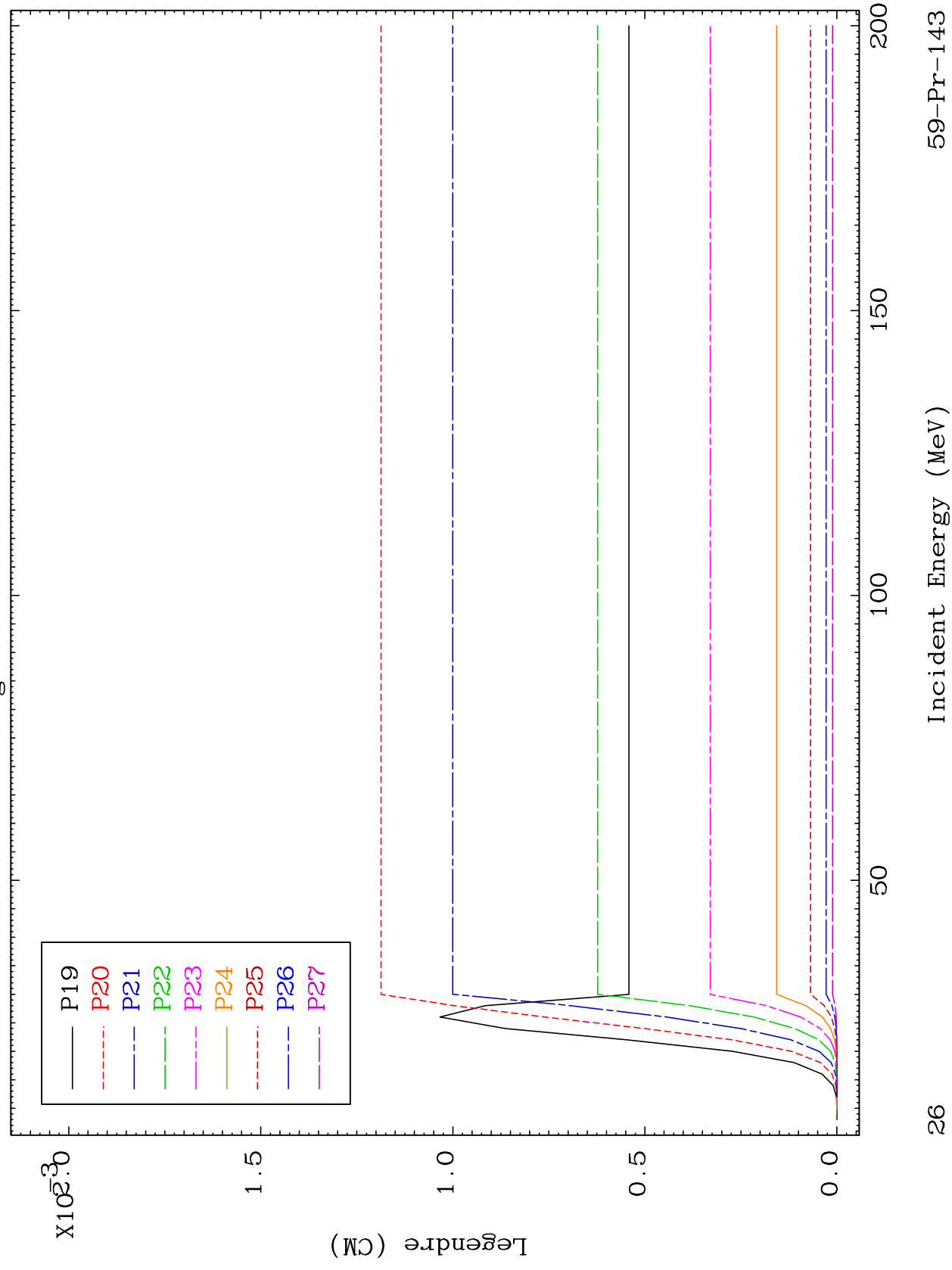




MAT 5931

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

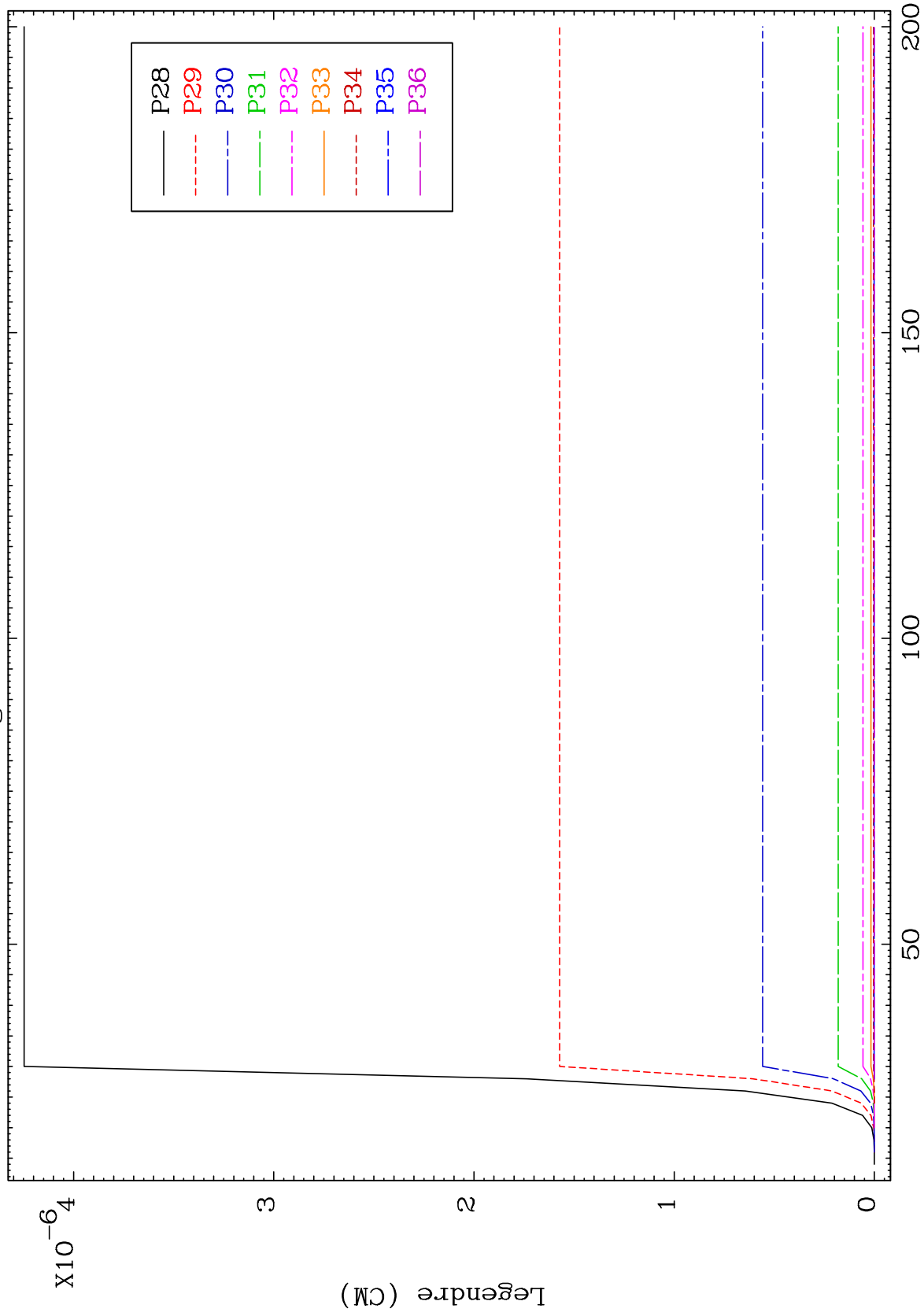
59-Pr-143



MAT 5931

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

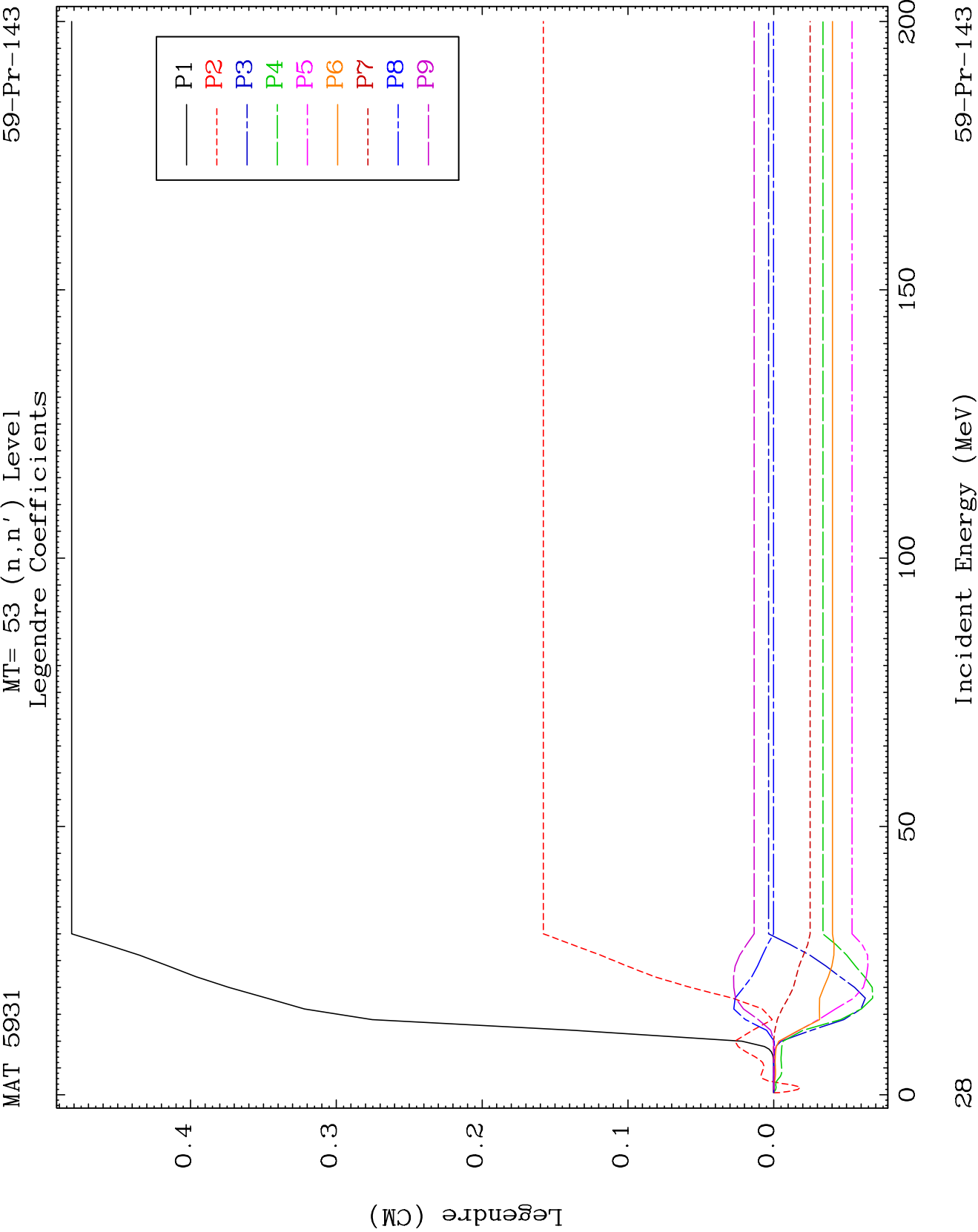
59-Pr-143



27

Incident Energy (MeV)

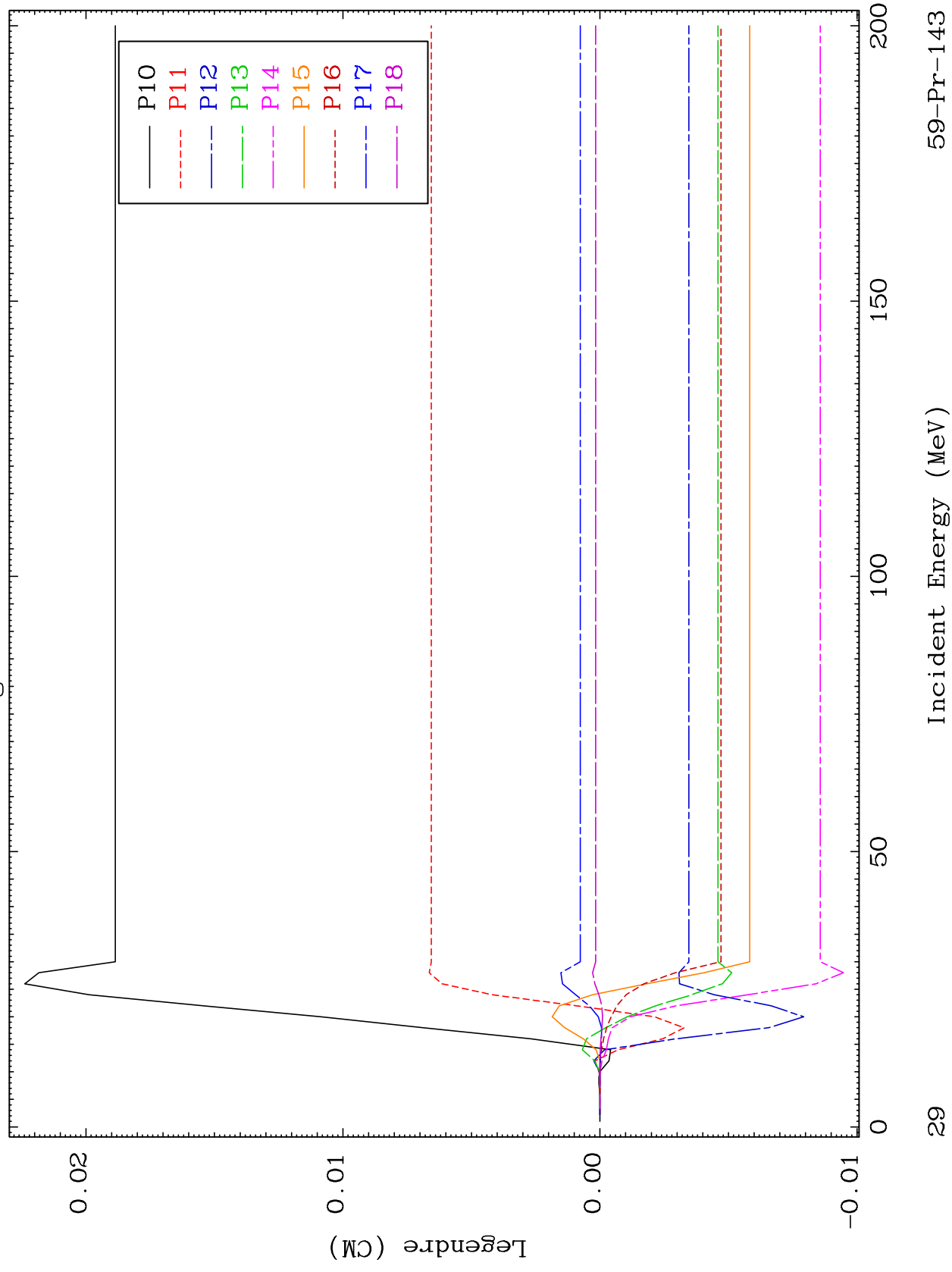
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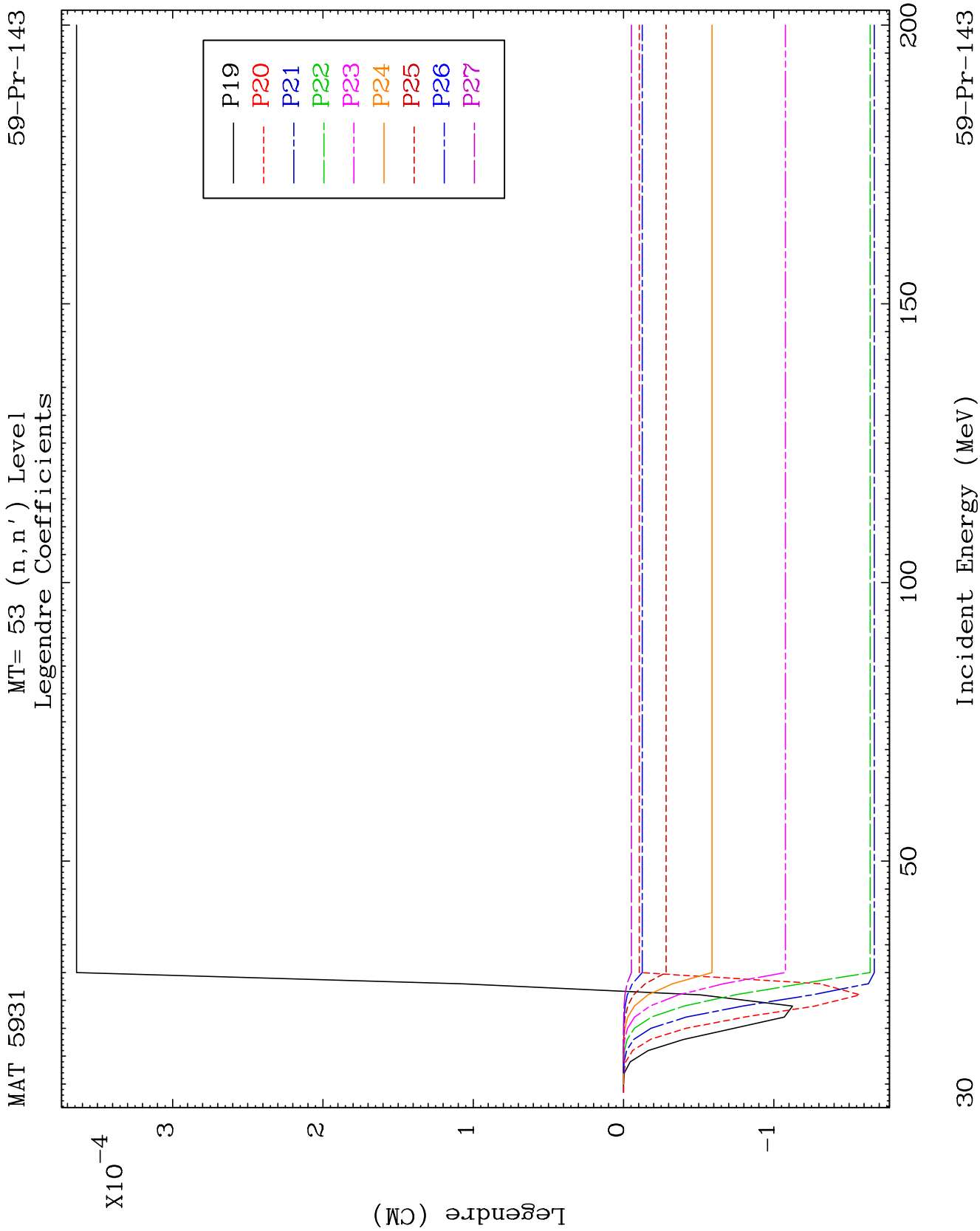


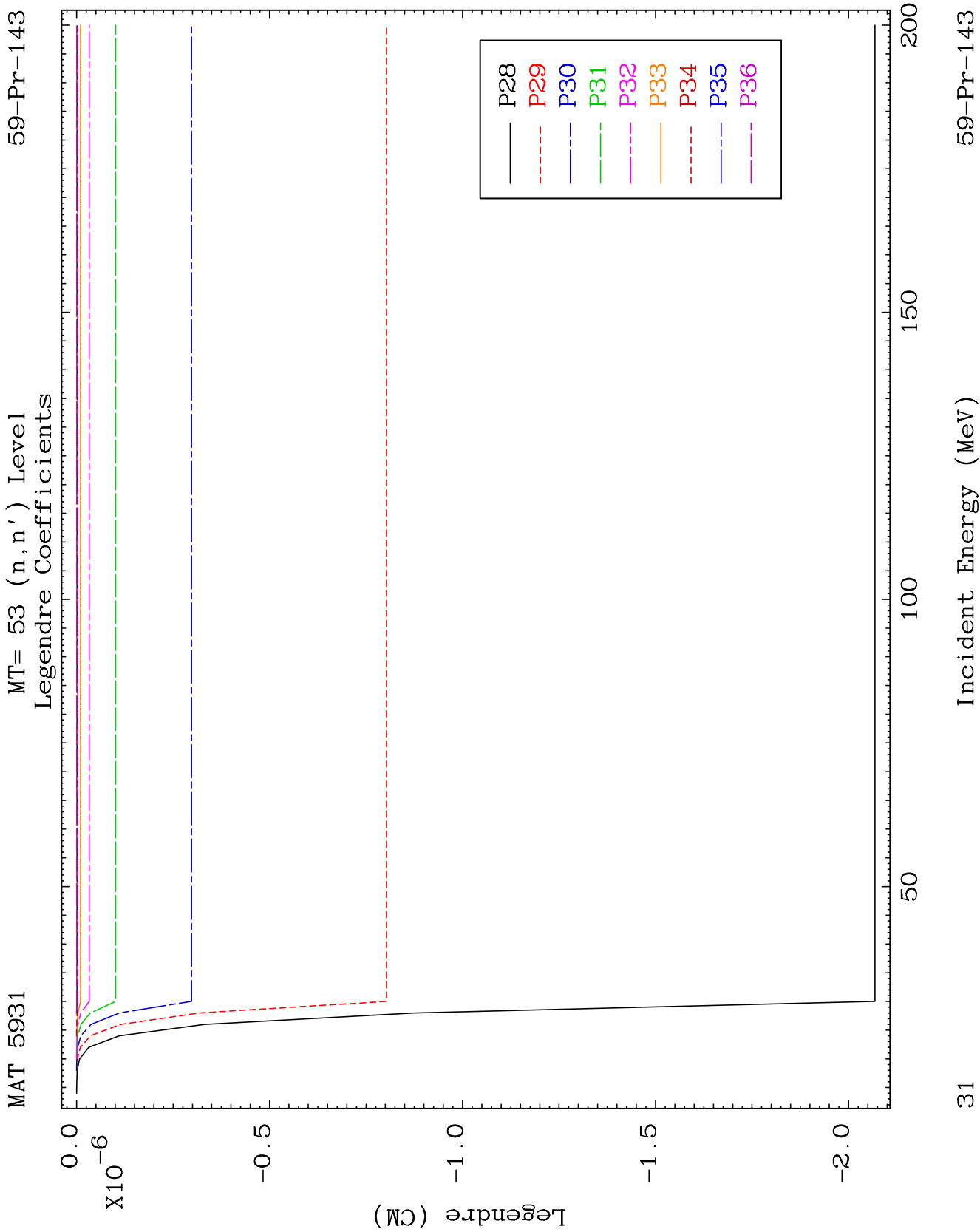
MAT 5931

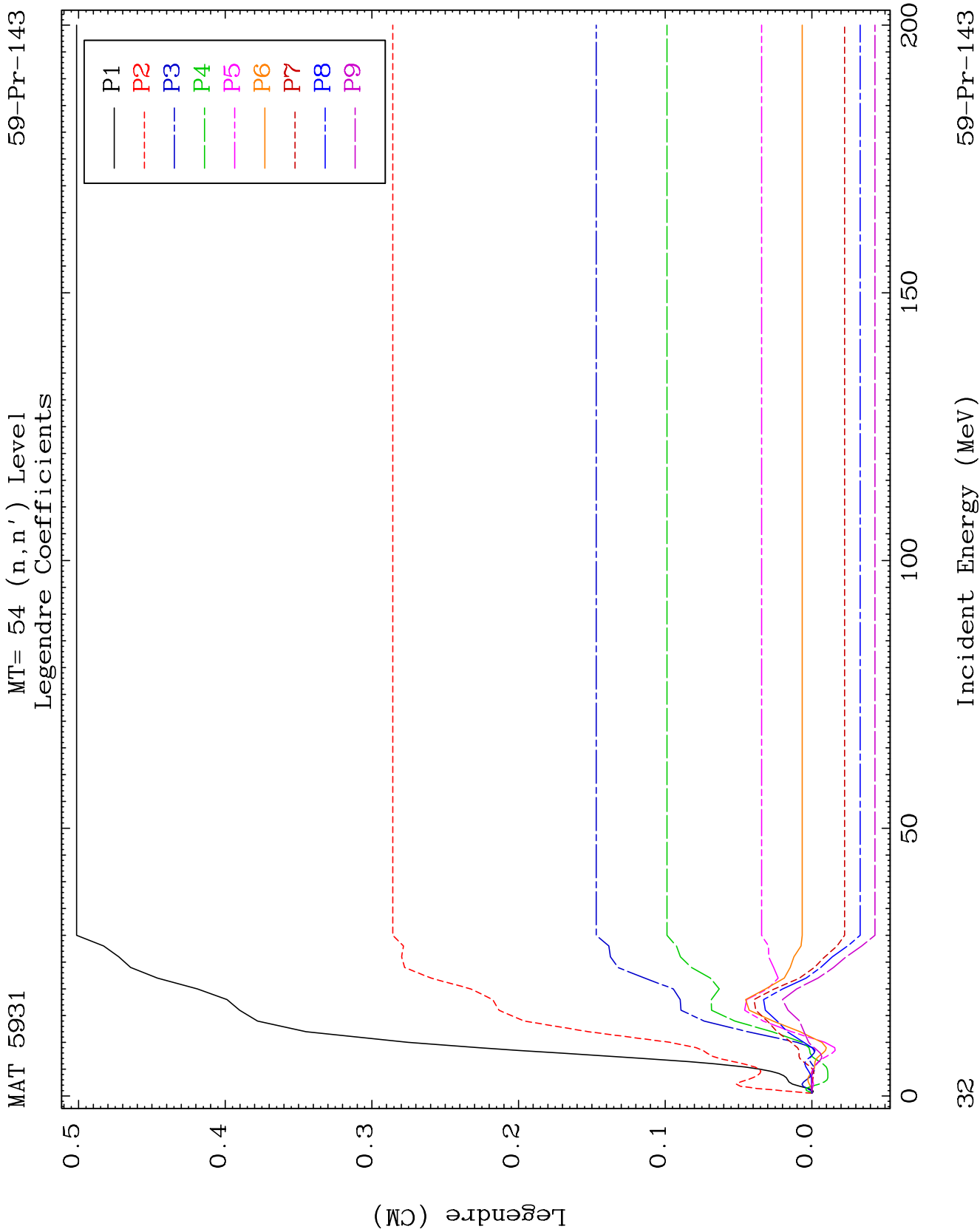
MT= 53 (n, n') Level
Legendre Coefficients

59-Pr-143





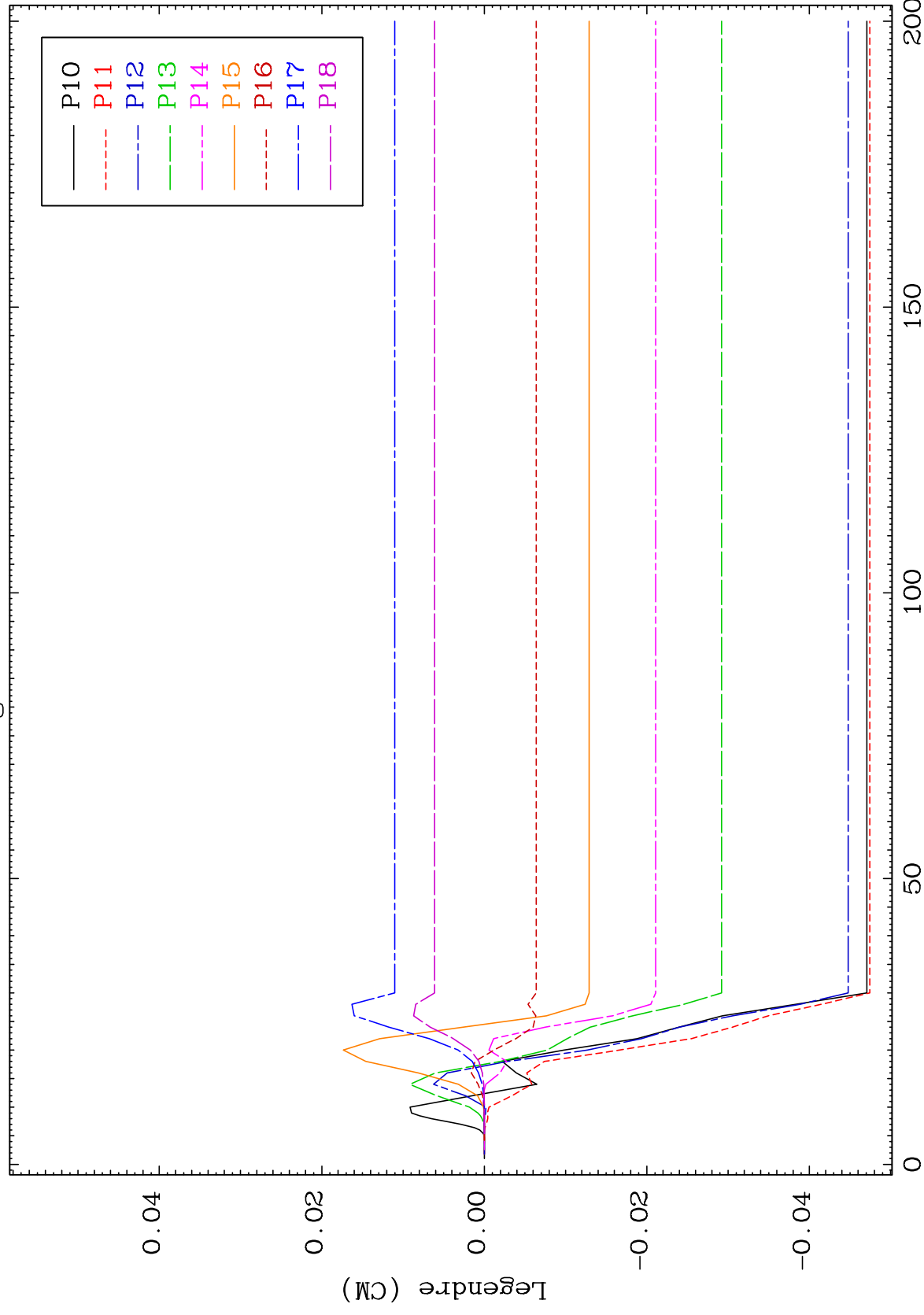




MAT 5931

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

59-Pr-143



33

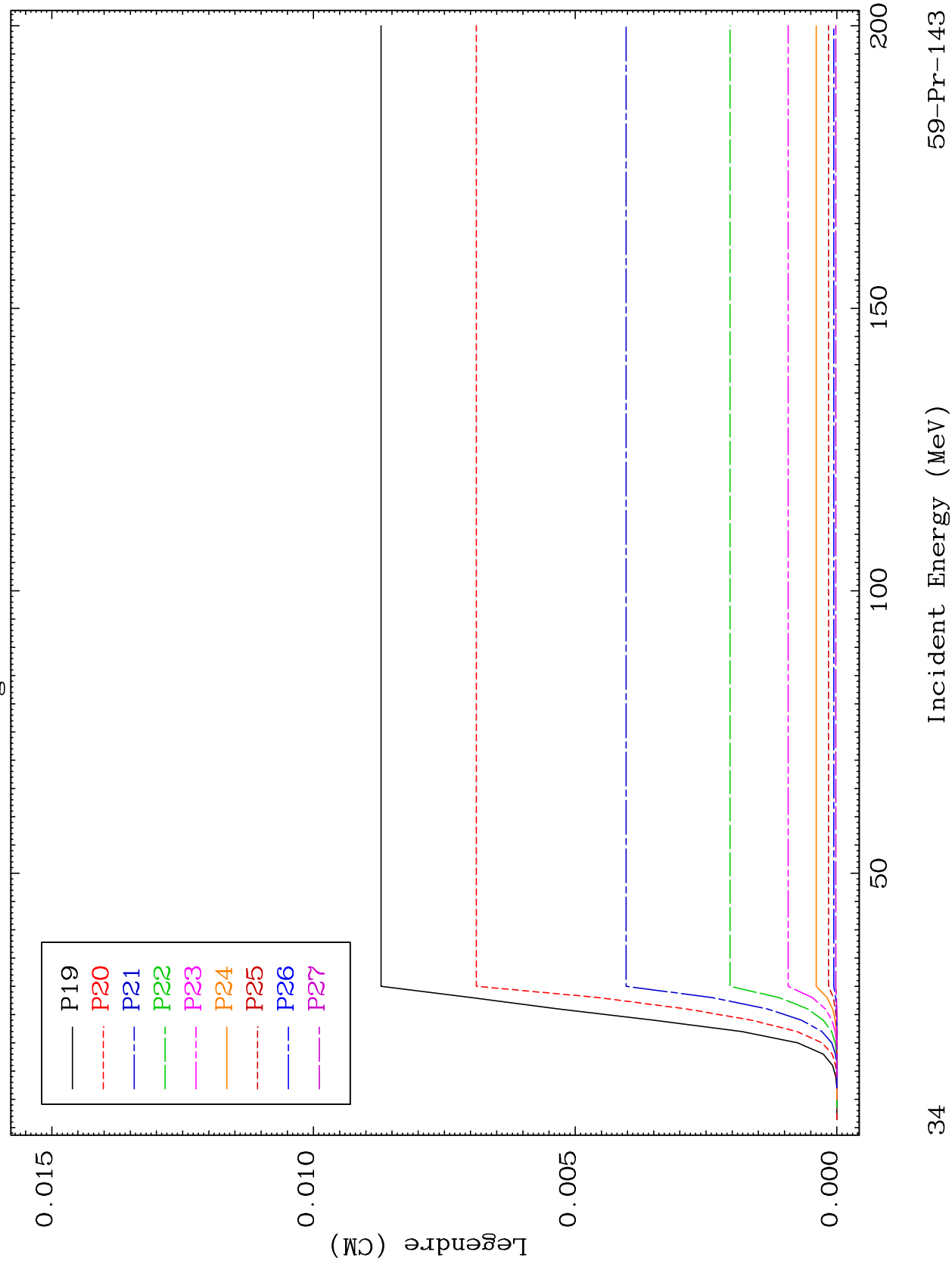
Incident Energy (MeV)

59-Pr-143

MAT 5931

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

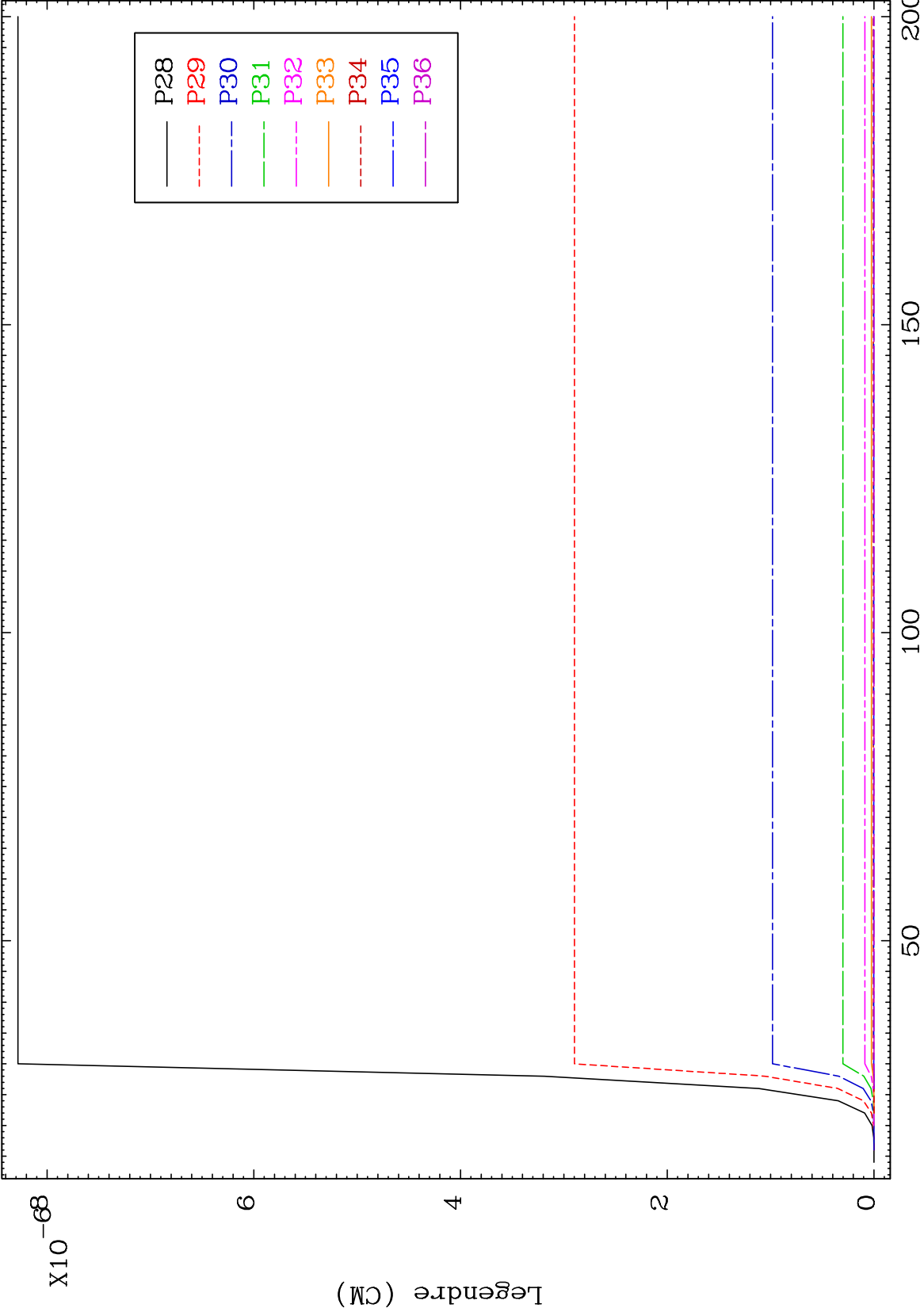
59-Pr-143



MAT 5931

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

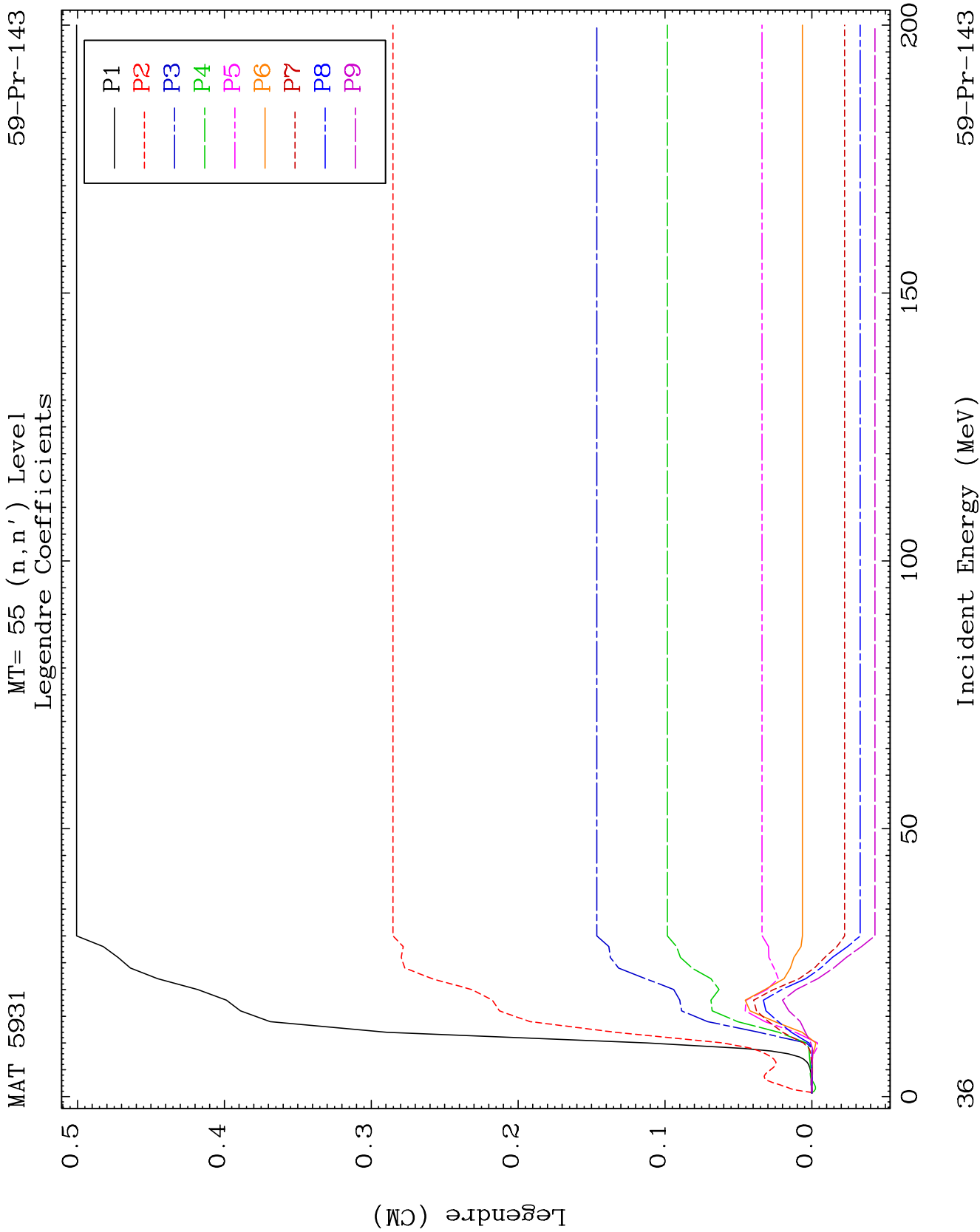
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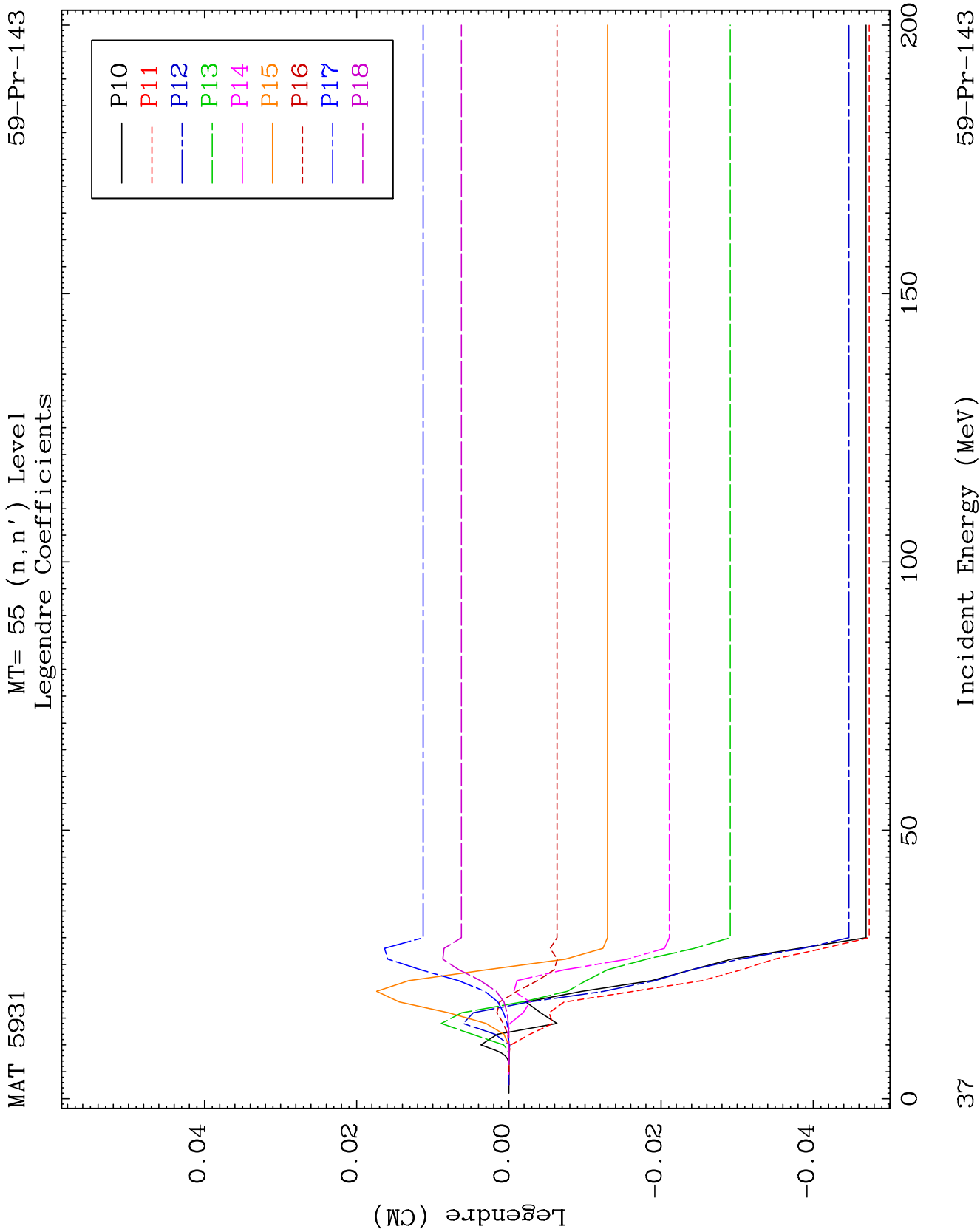


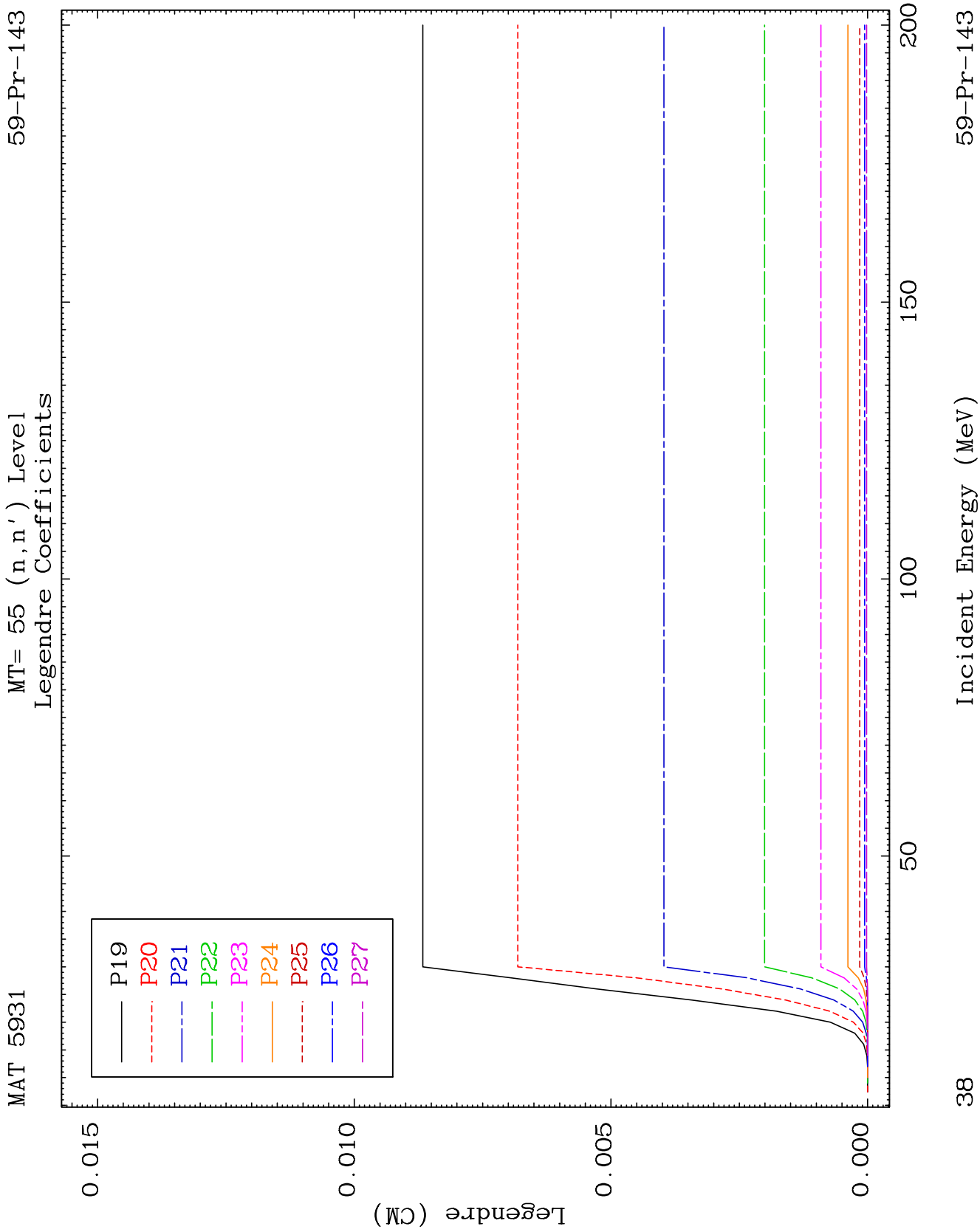
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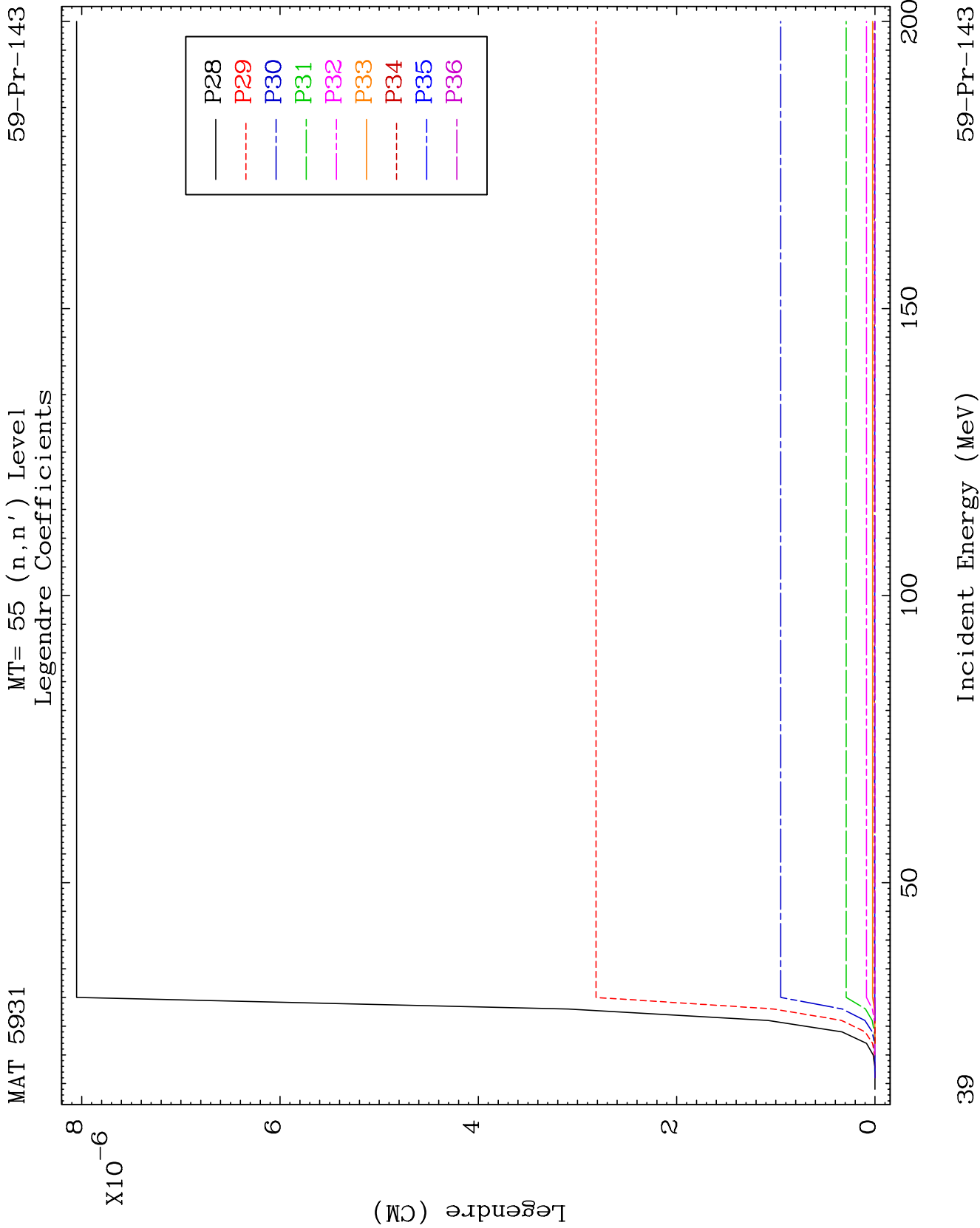
Incident Energy (MeV)

59-Pr-143





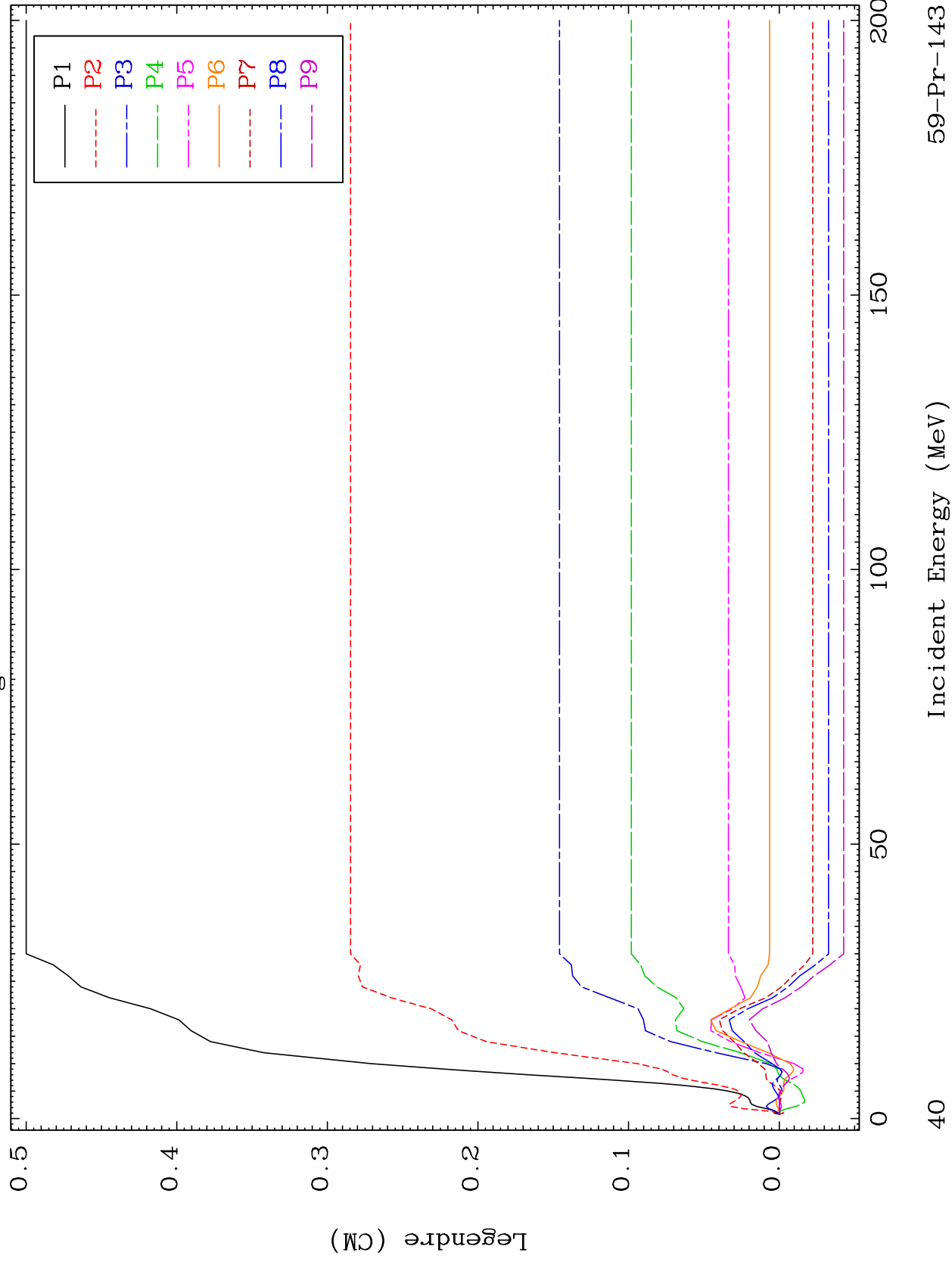


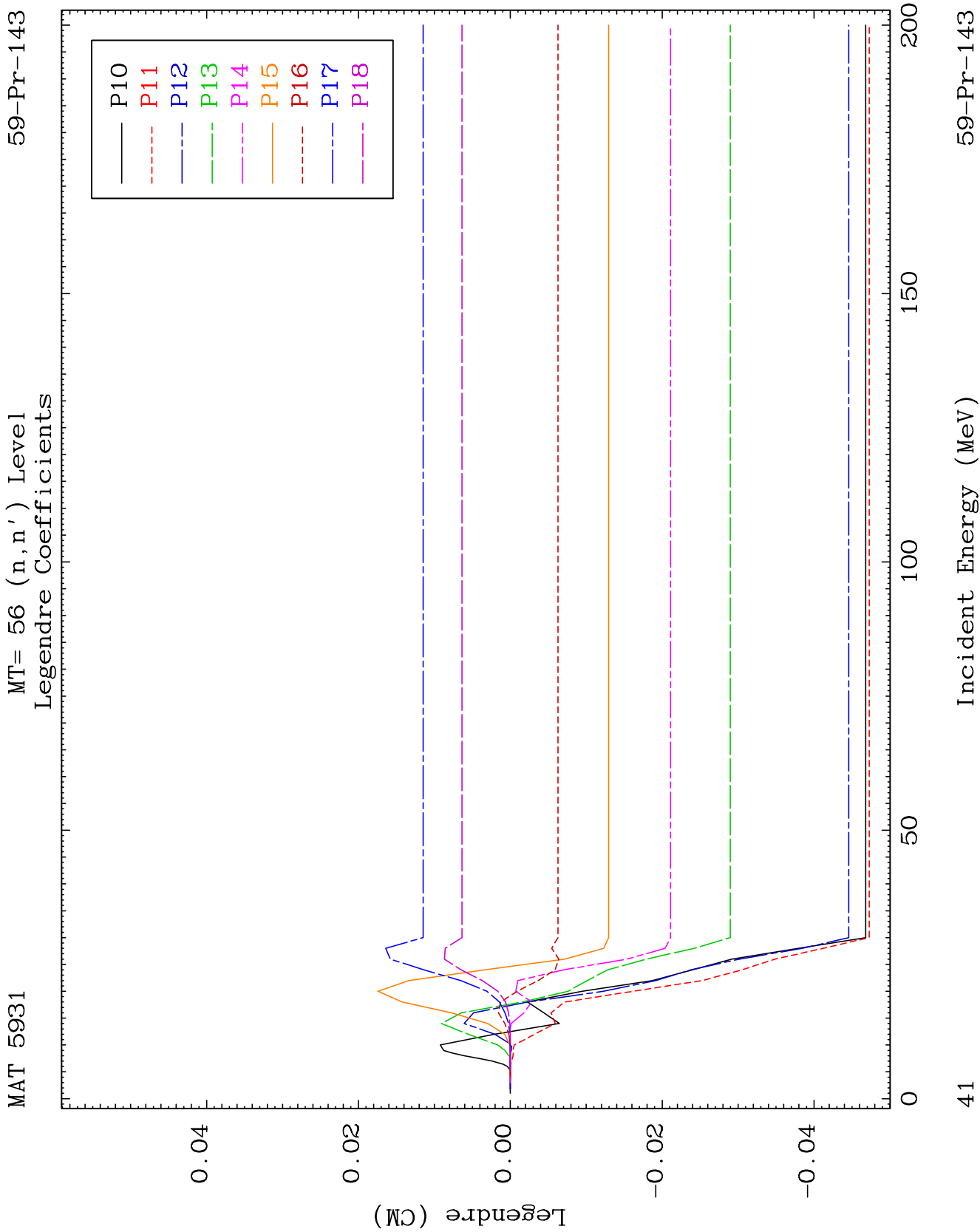


MAT 5931

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

59-Pr-143

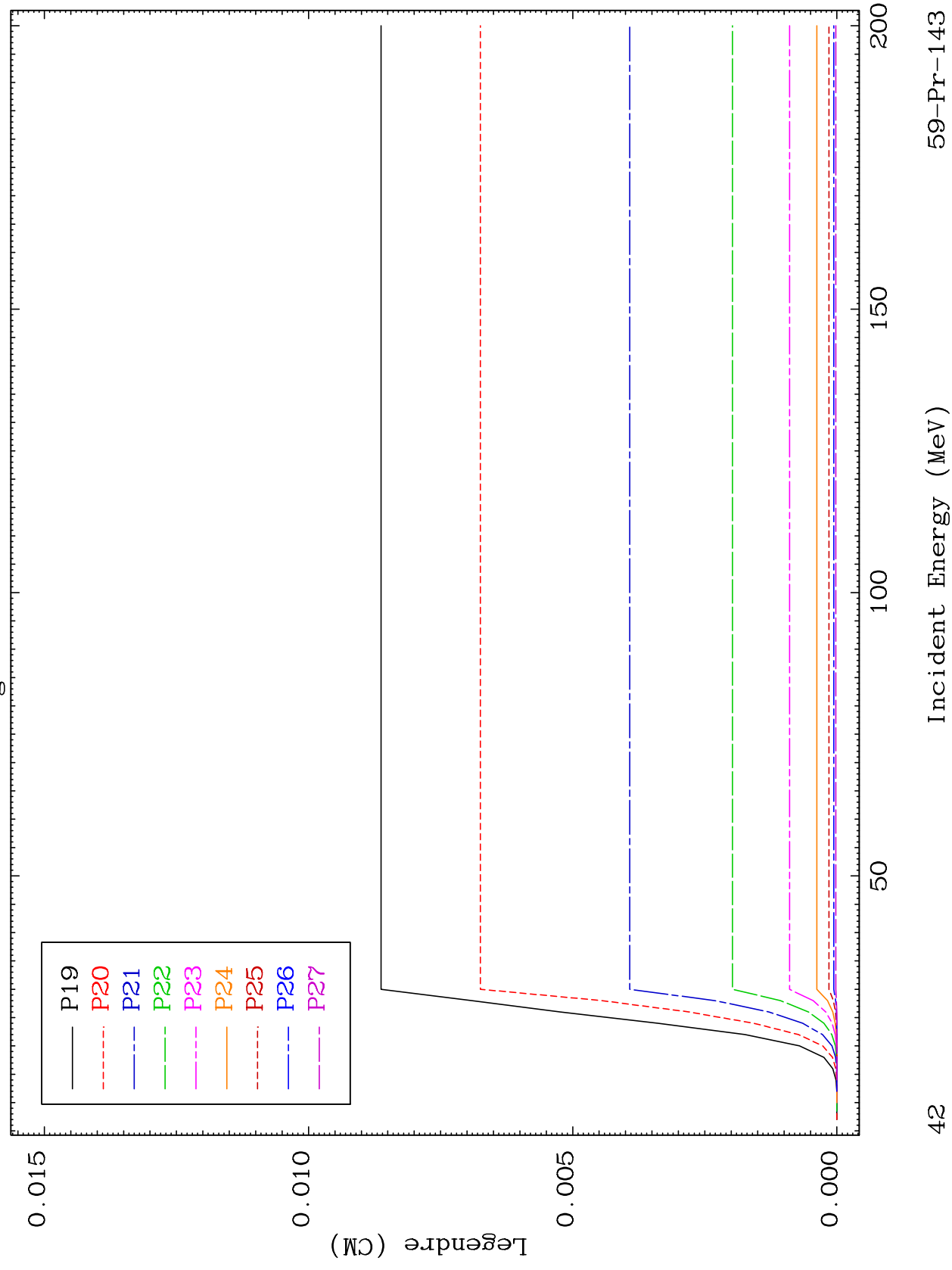


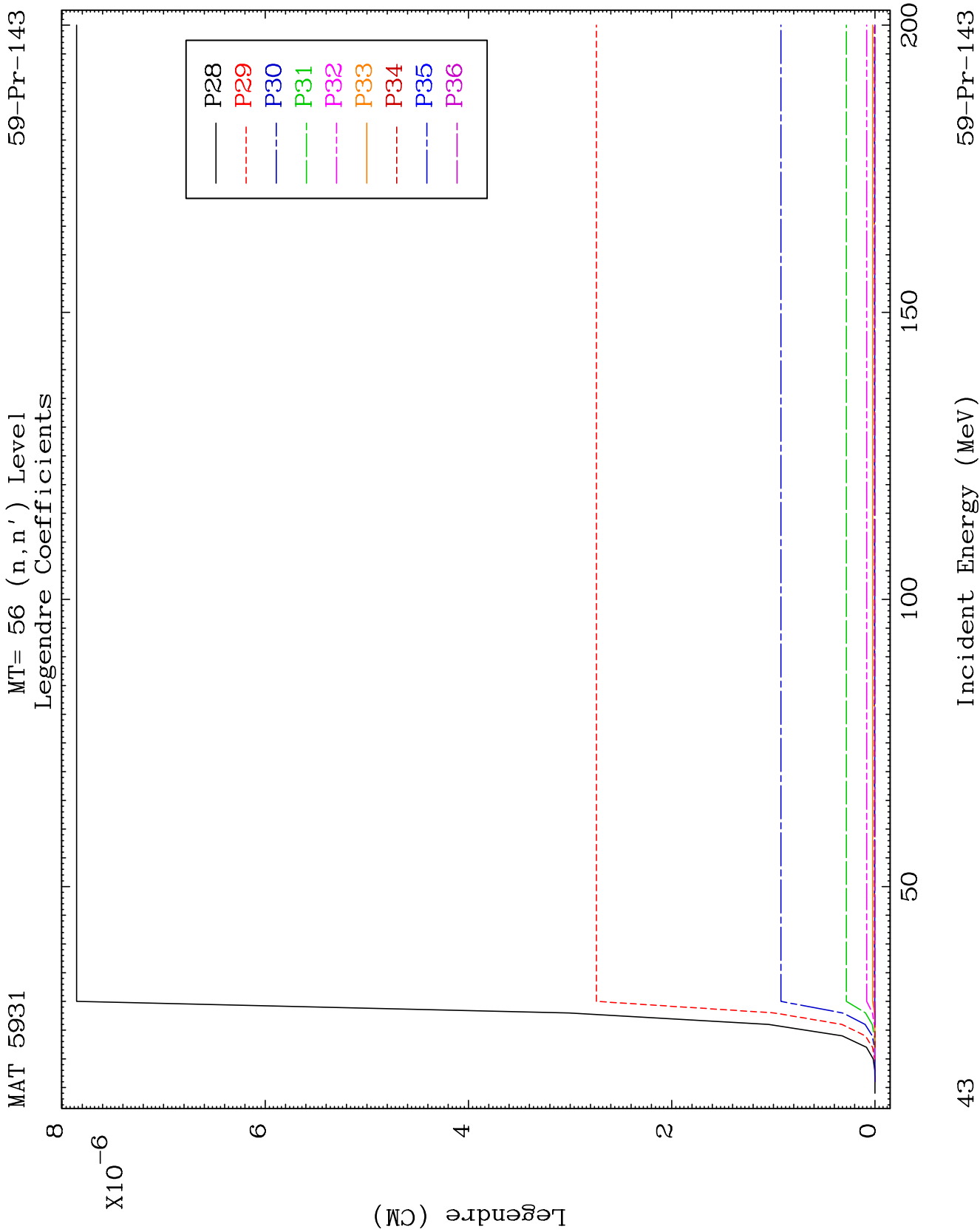


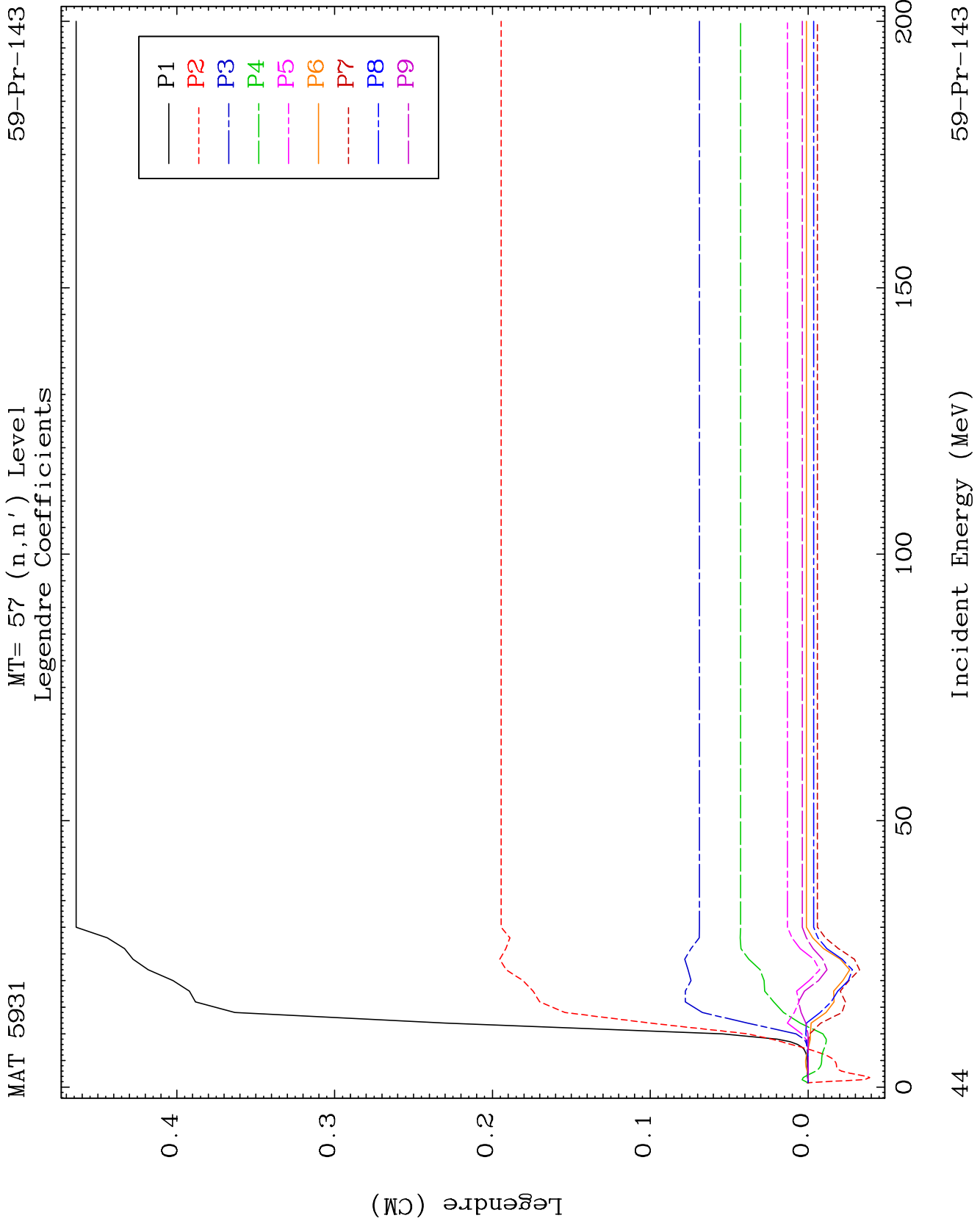
MAT 5931

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

59-Pr-143



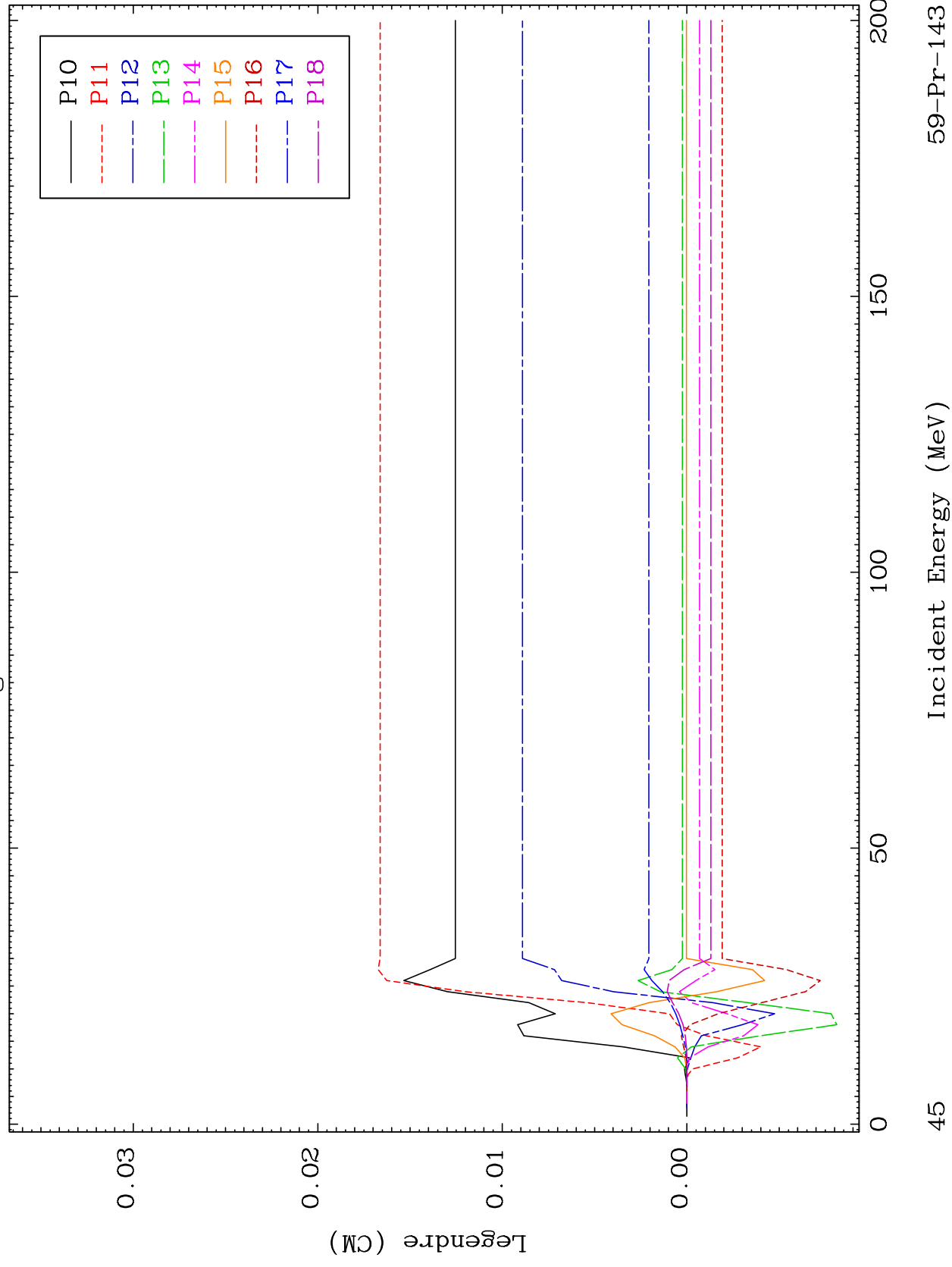




MAT 5931

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

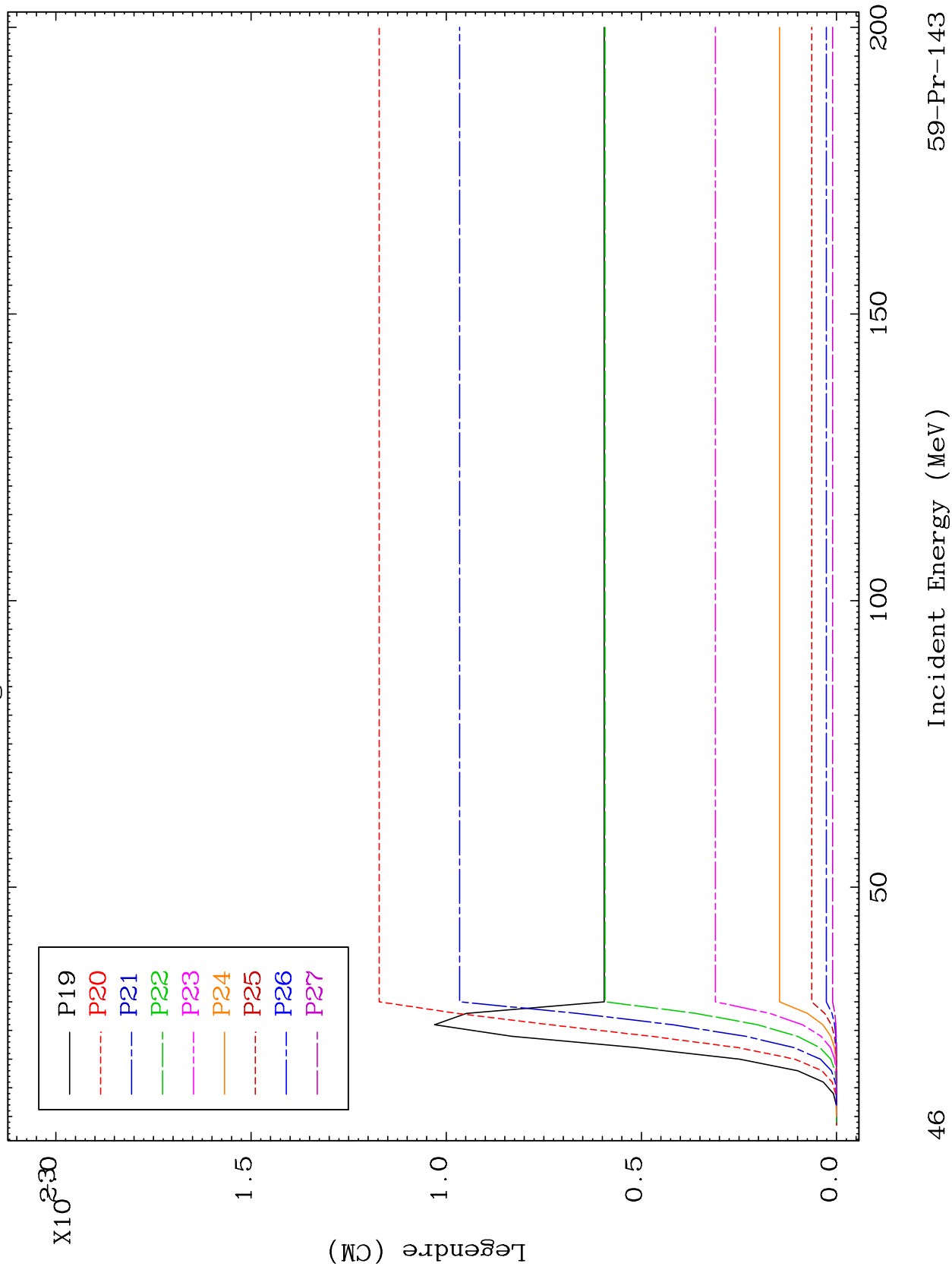
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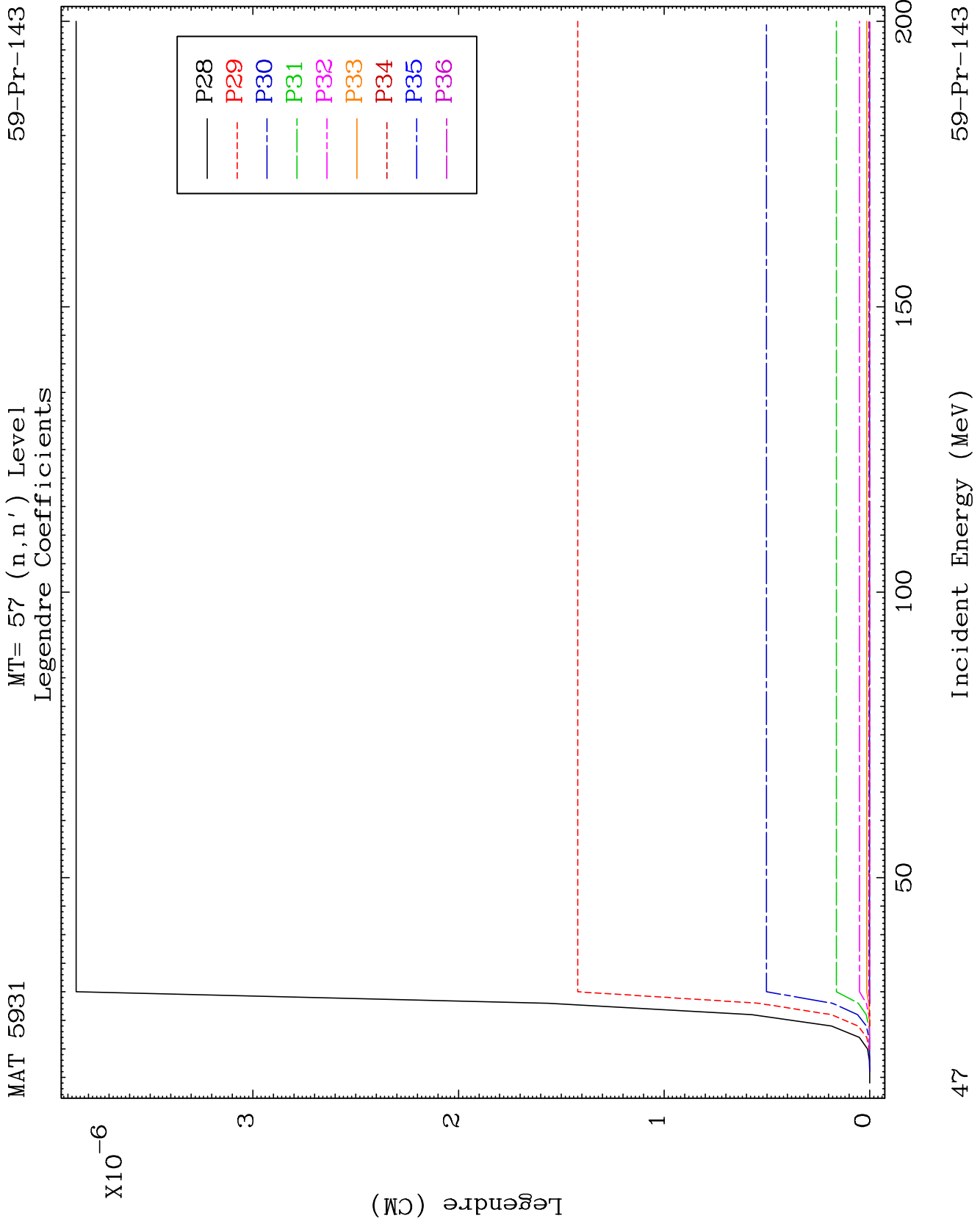


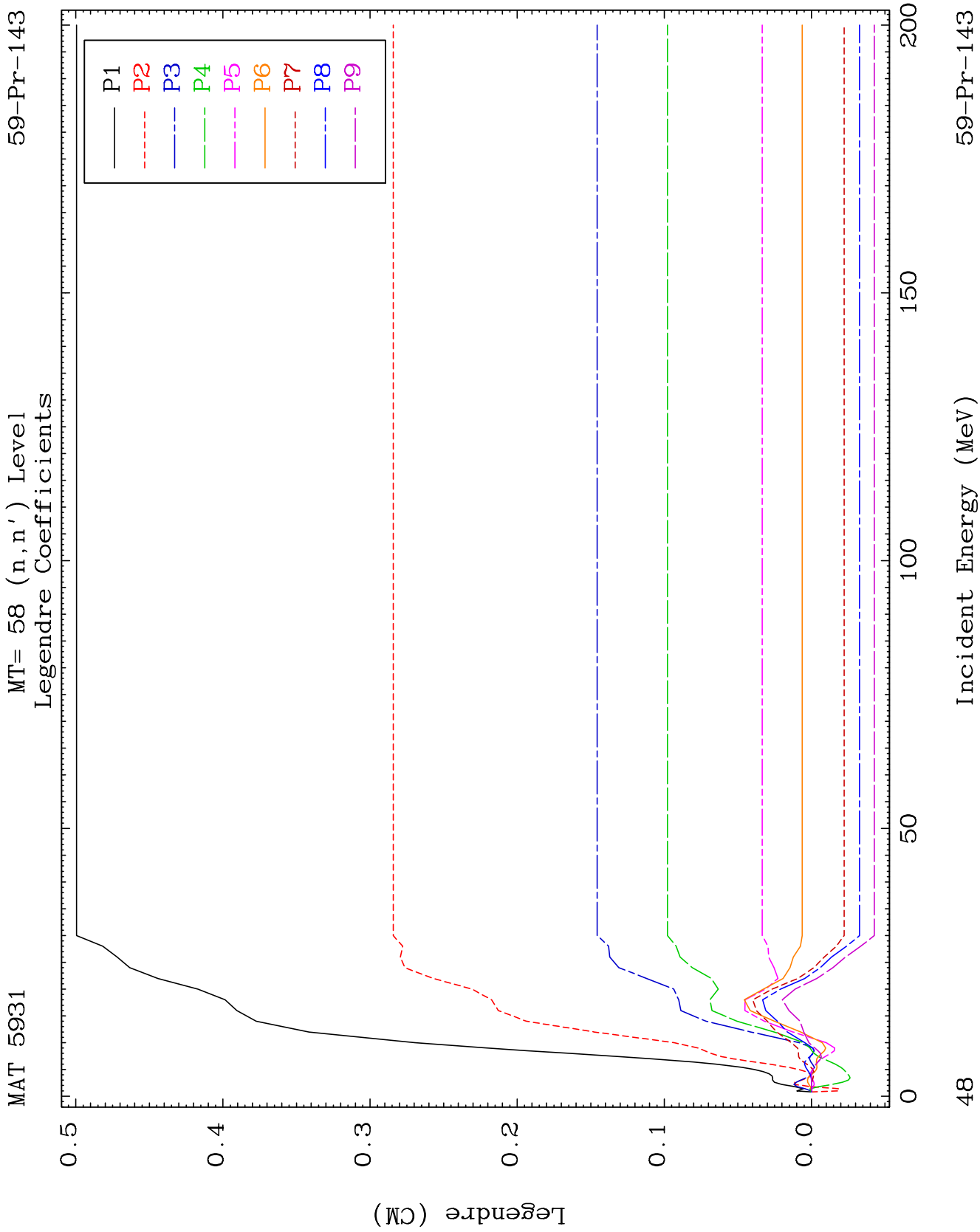
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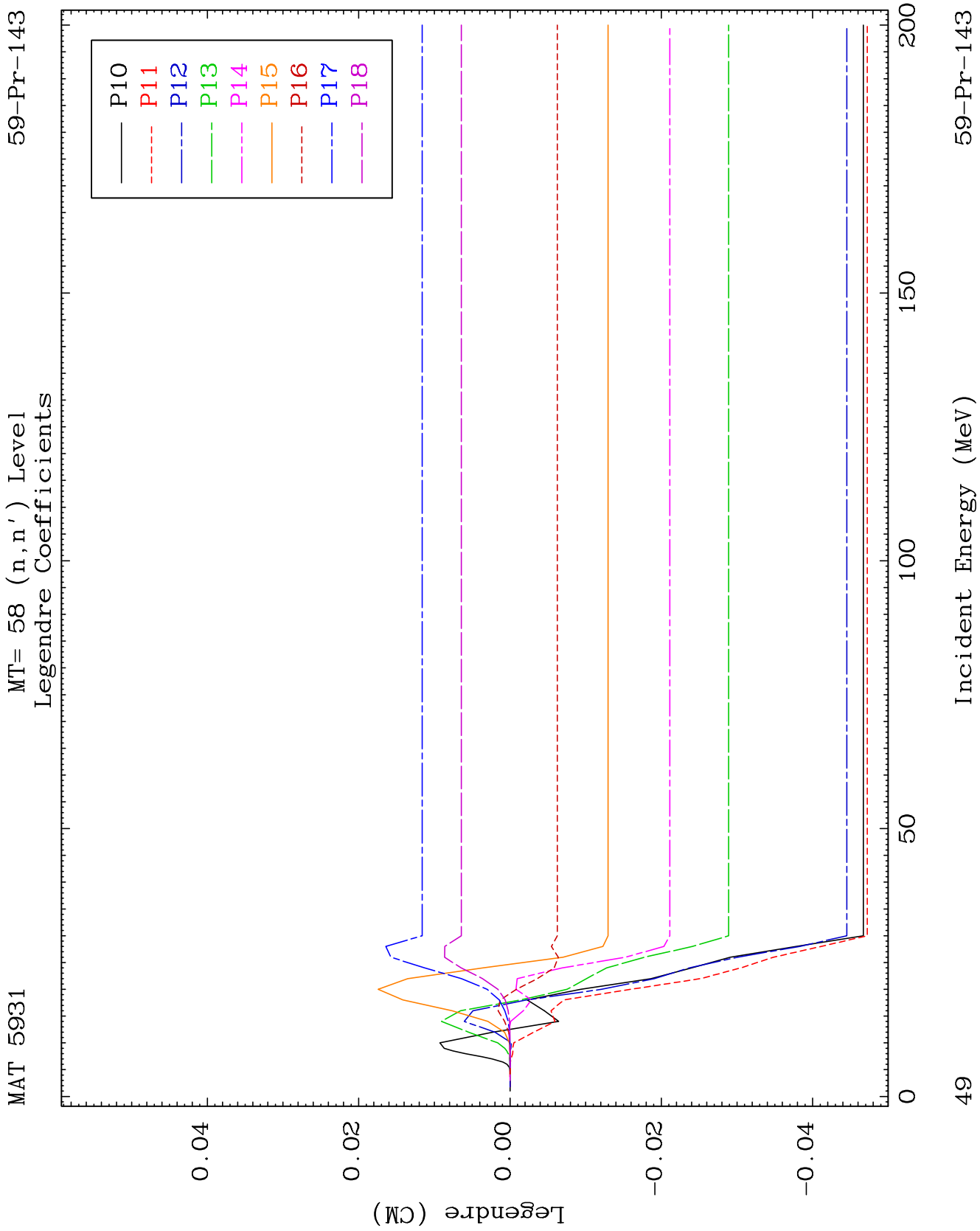
59-Pr-143

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





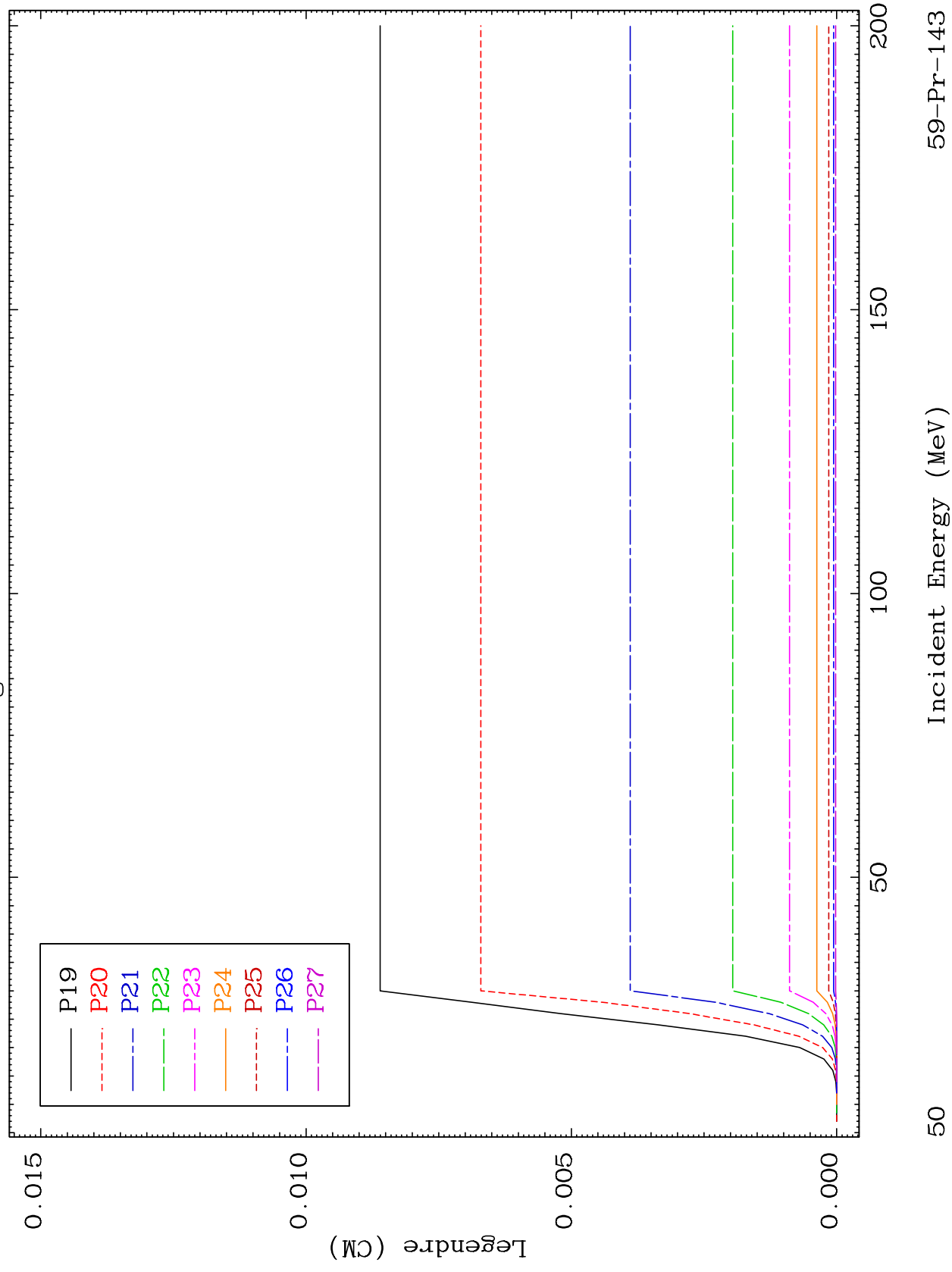


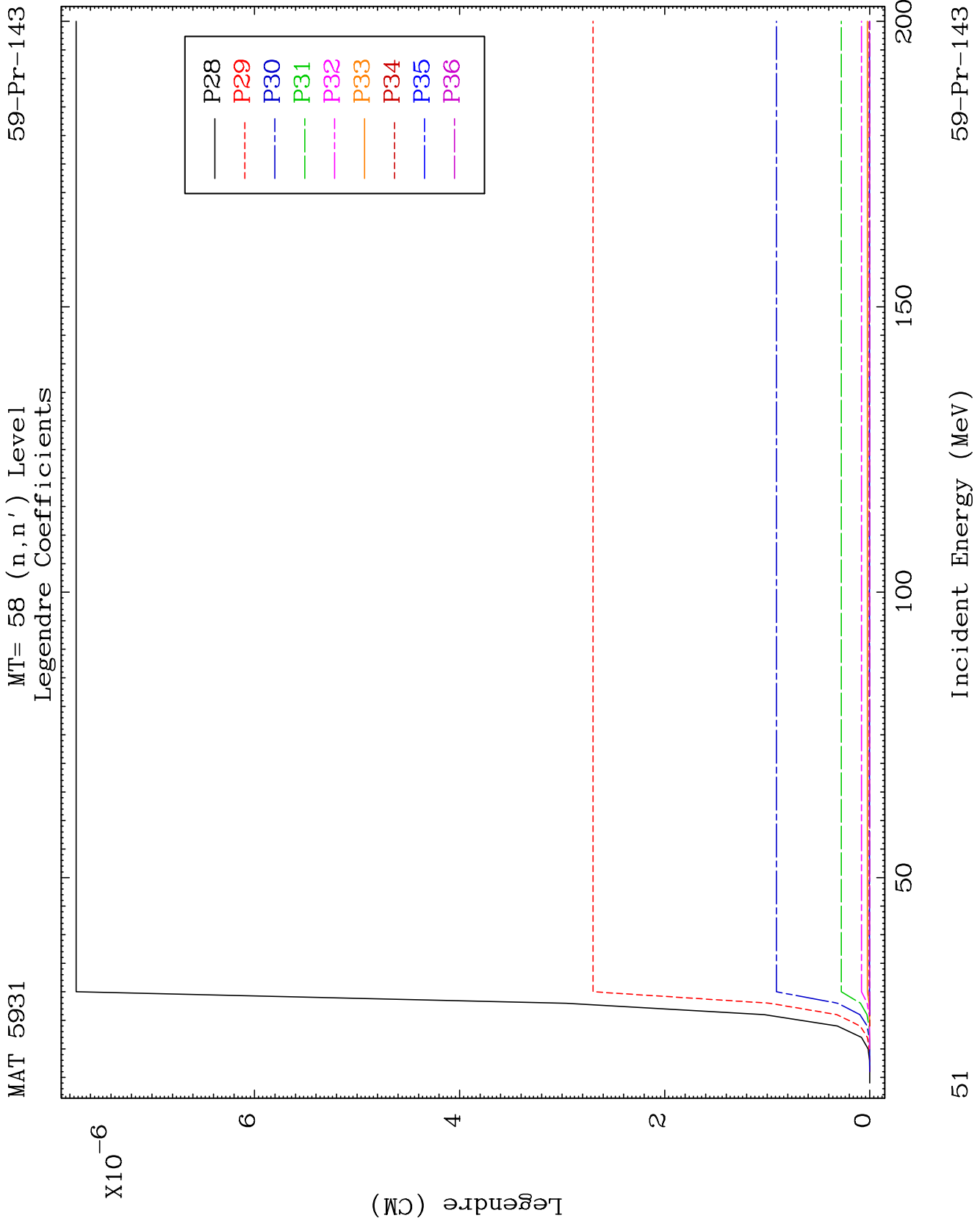


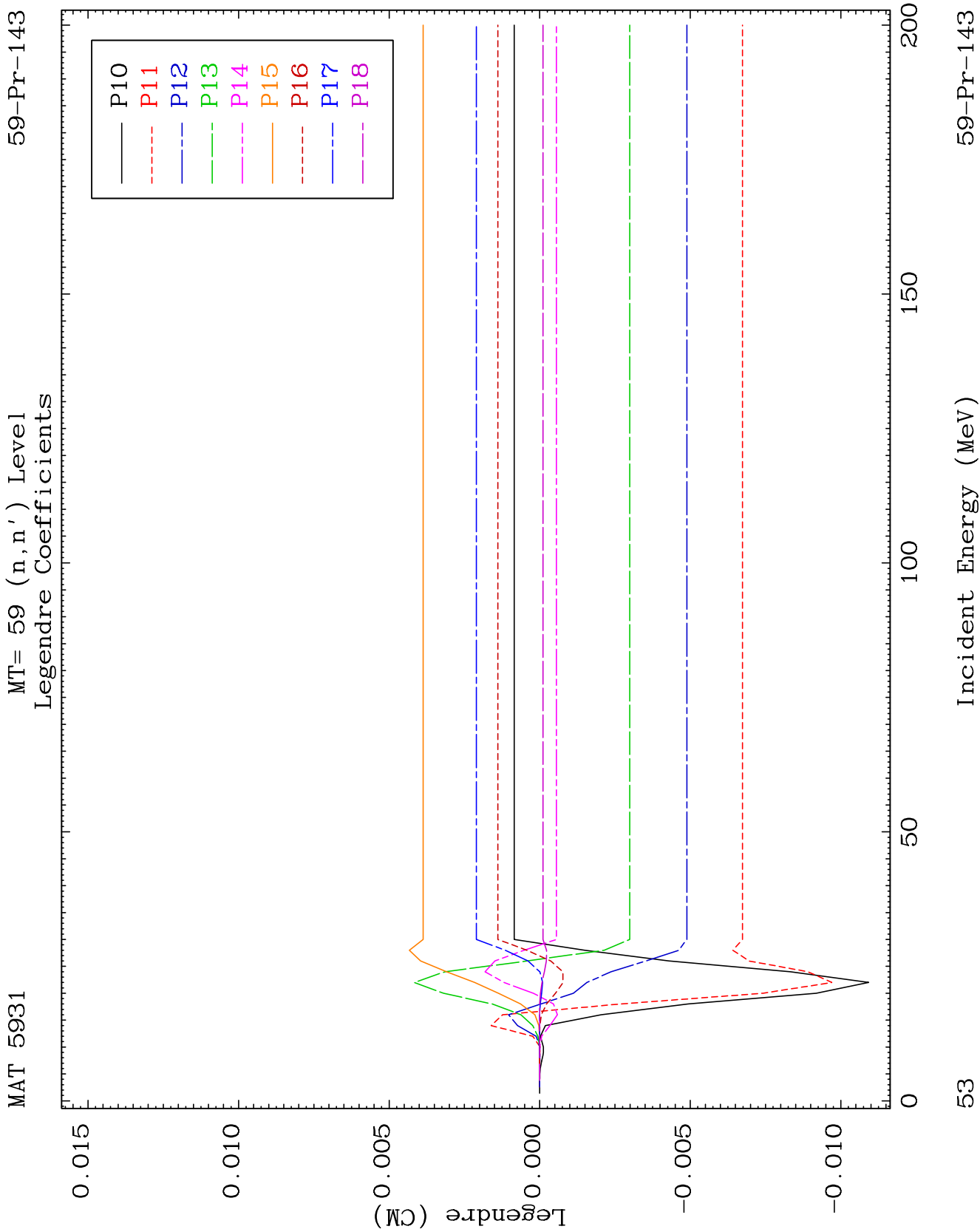
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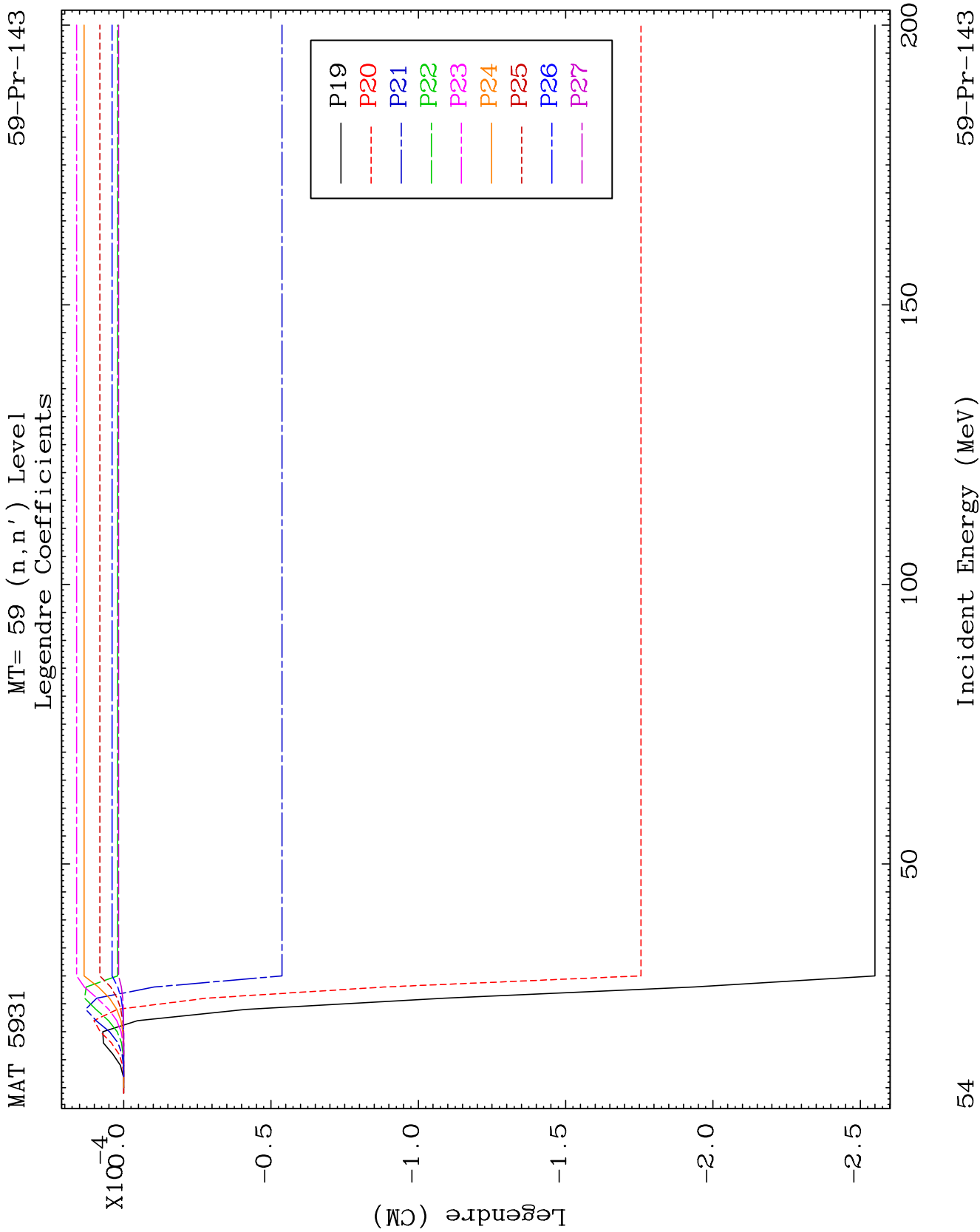
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Legendre Coefficients

59-Pr-143





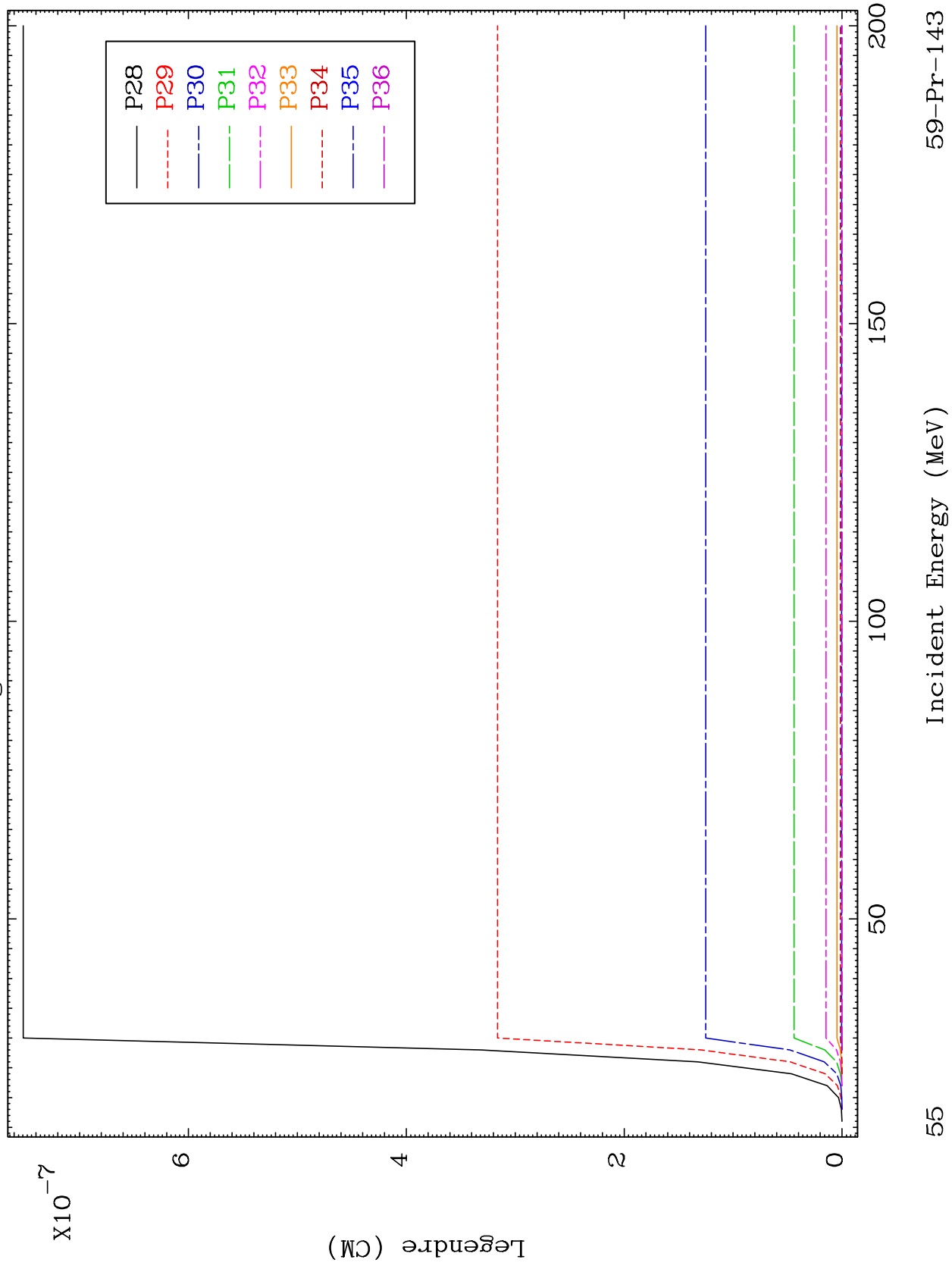


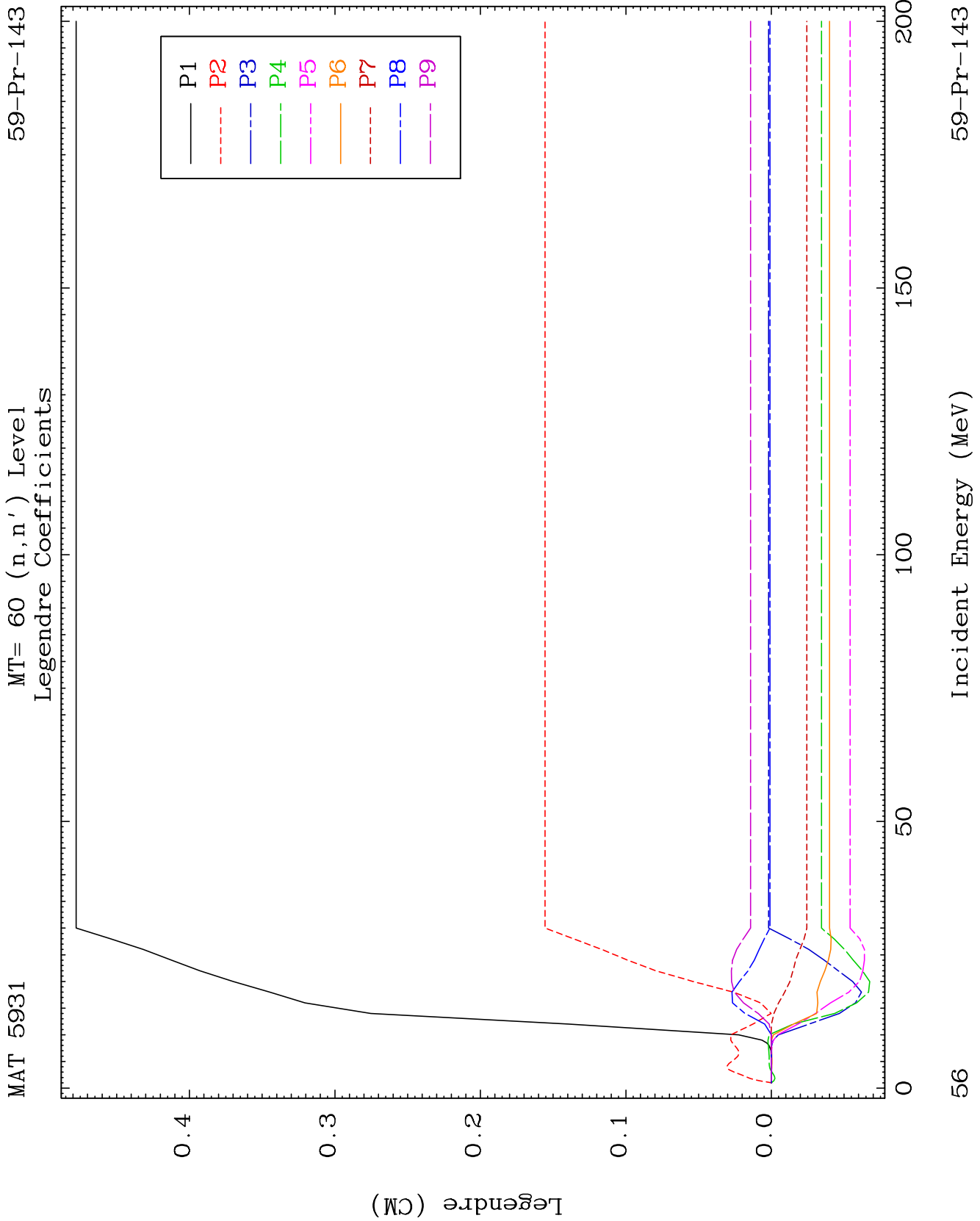


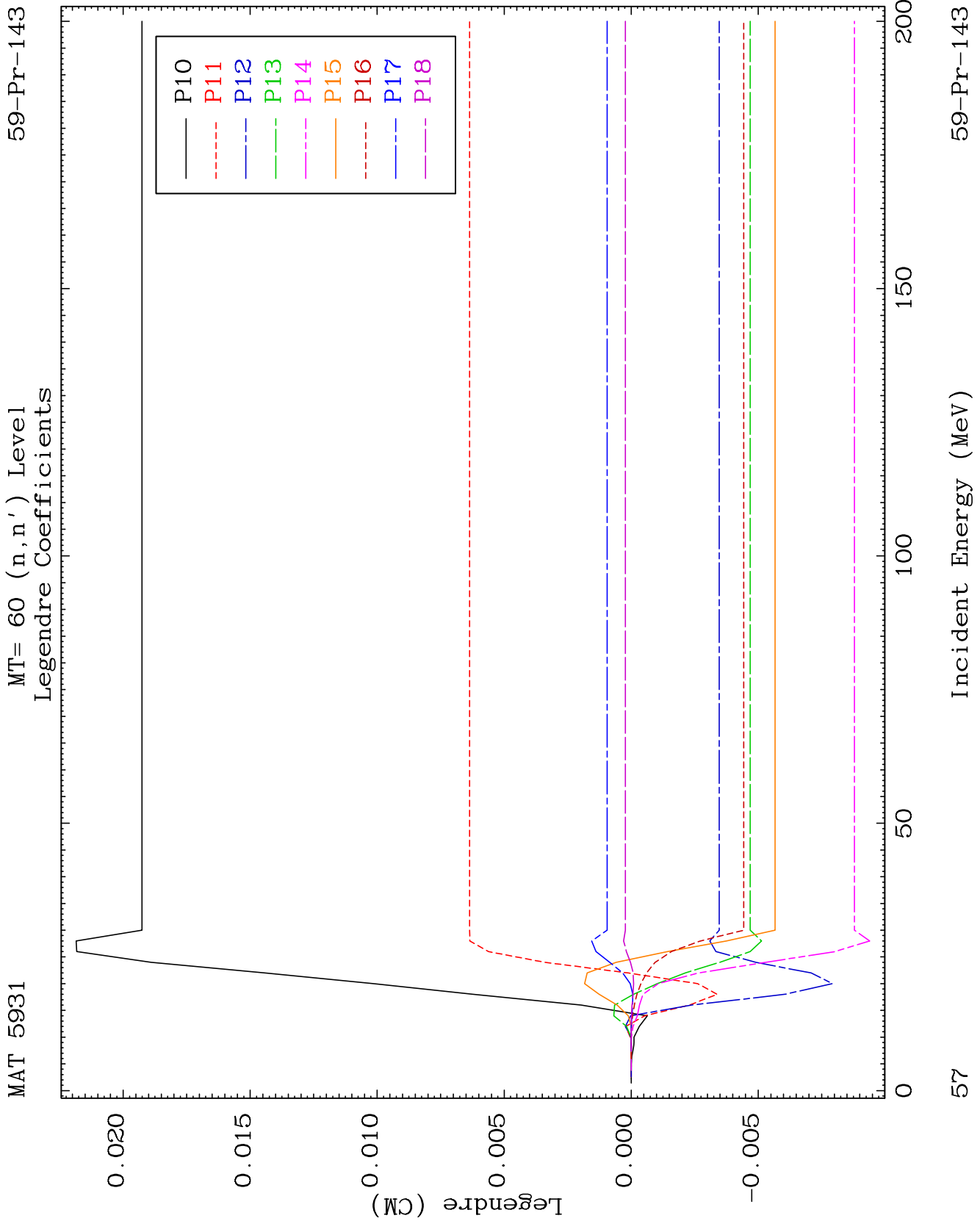
MAT 5931

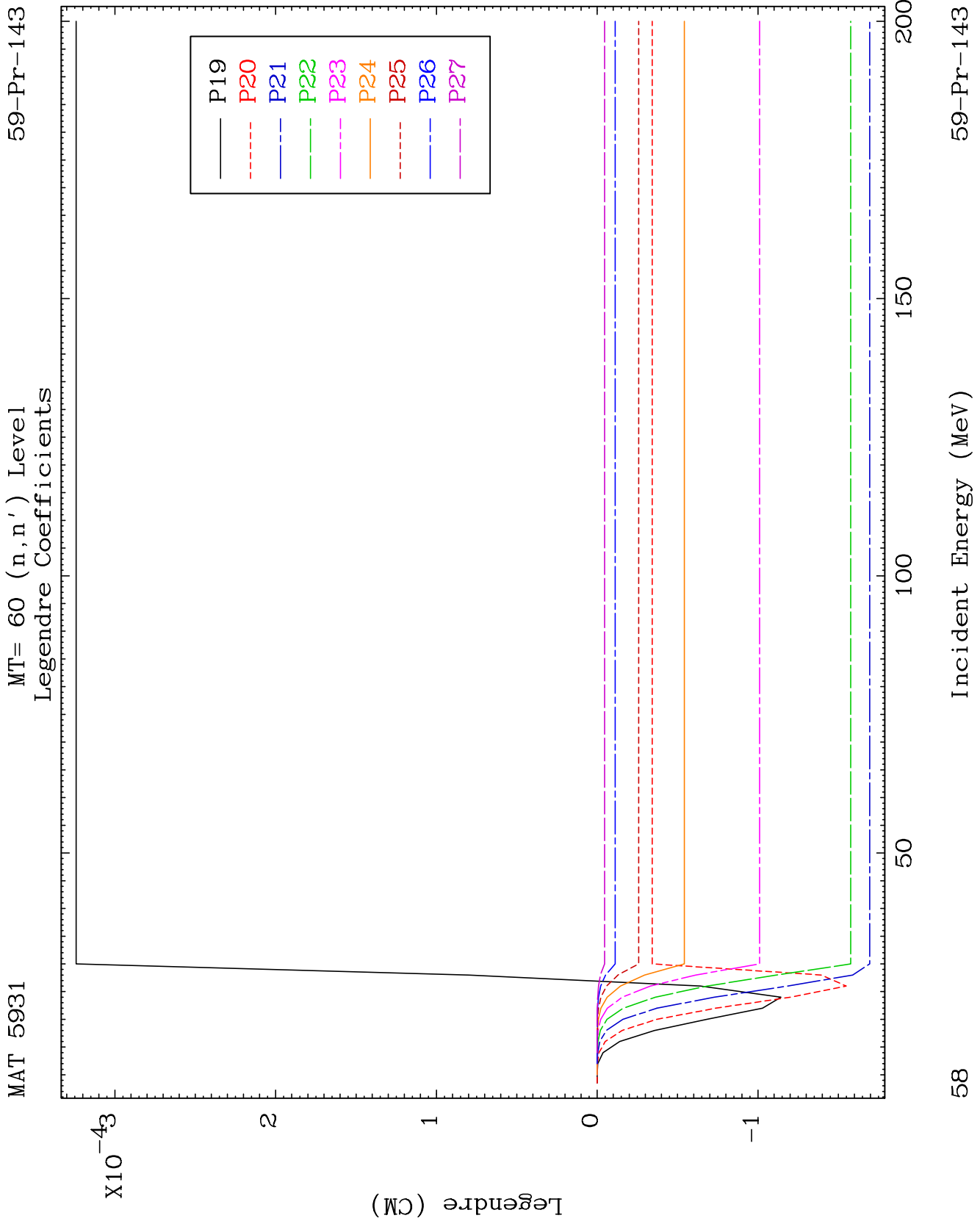
MT= 59 (n, n') Level
Legendre Coefficients

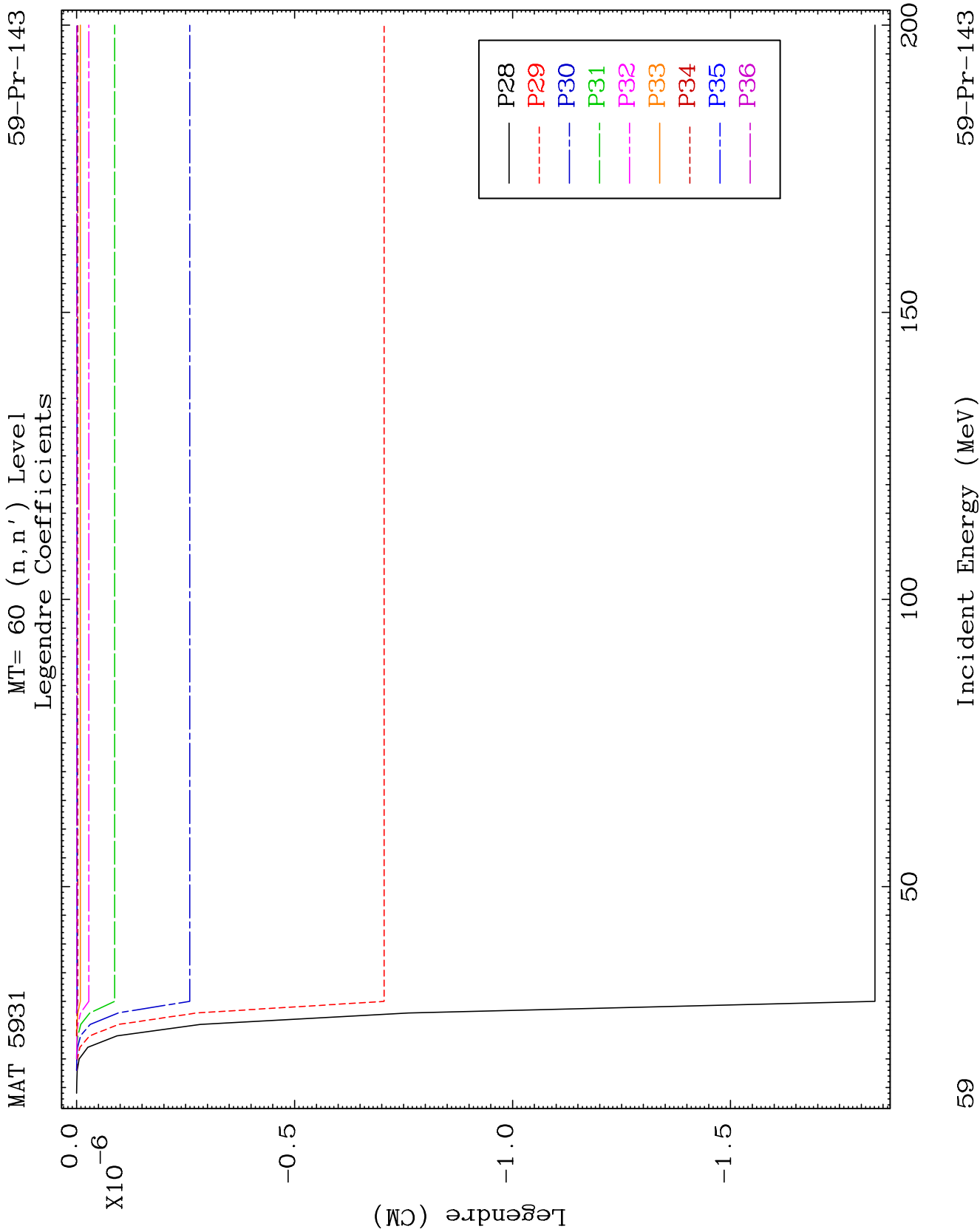
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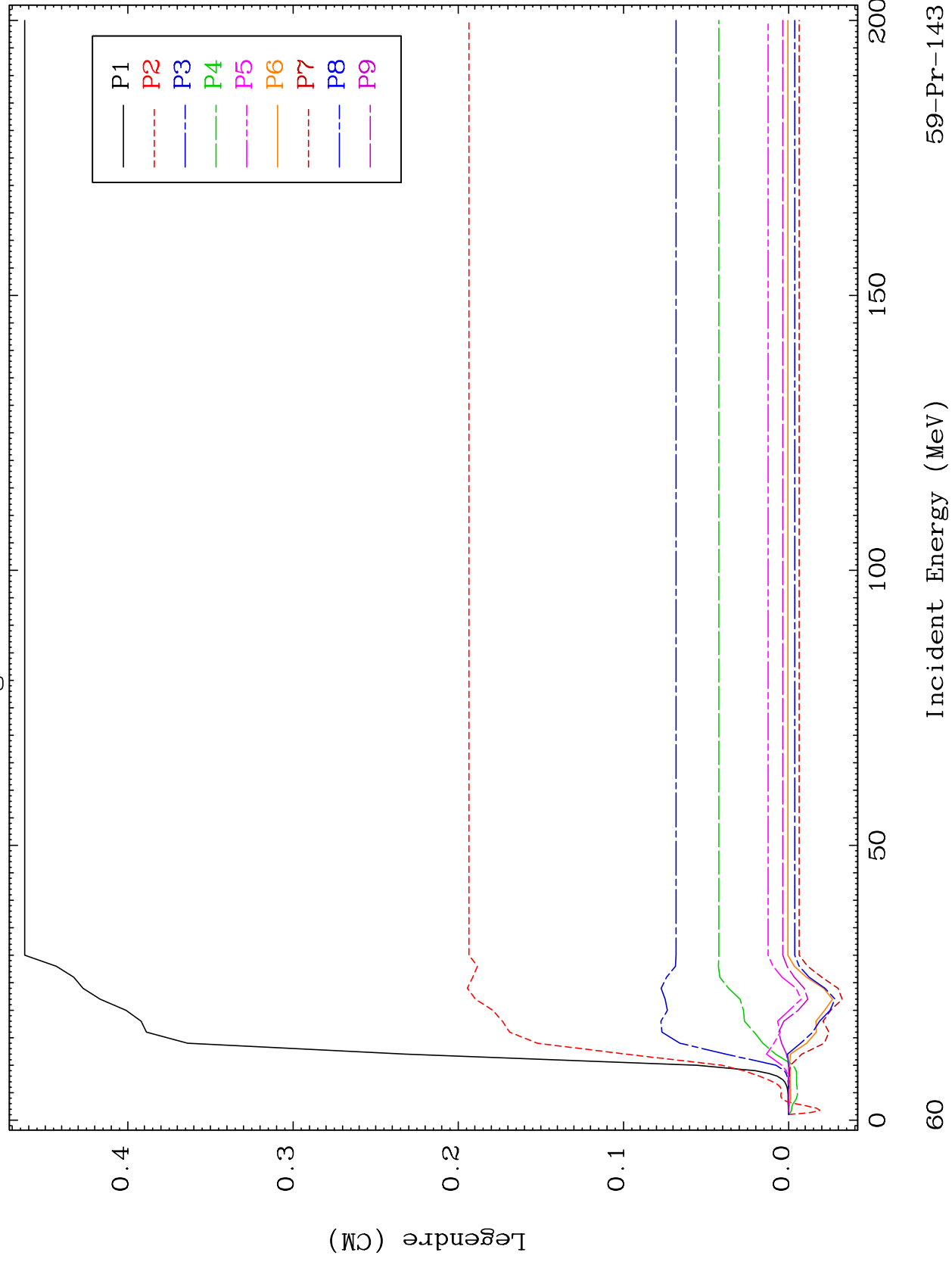


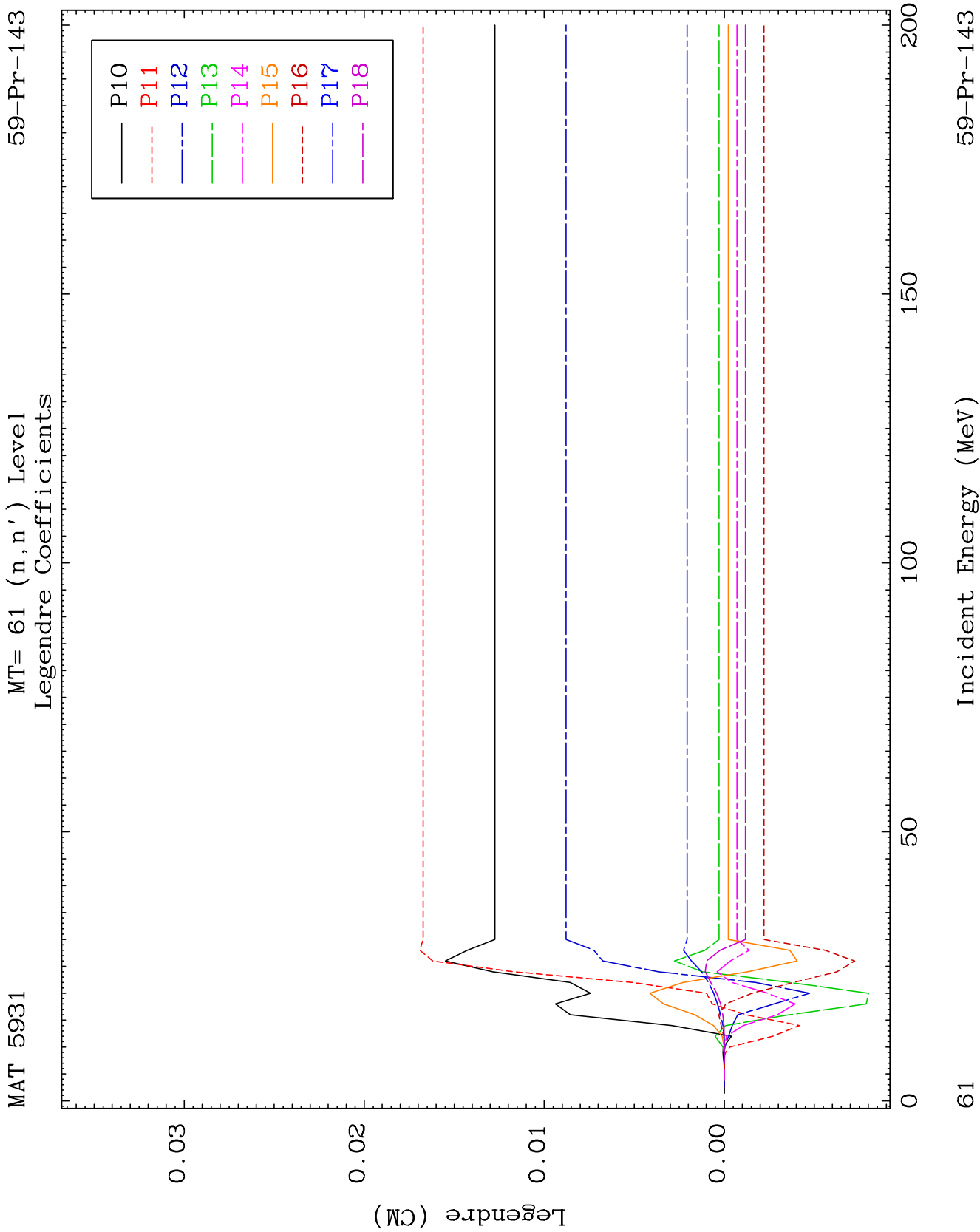


MAT 5931

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

59-Pr-143

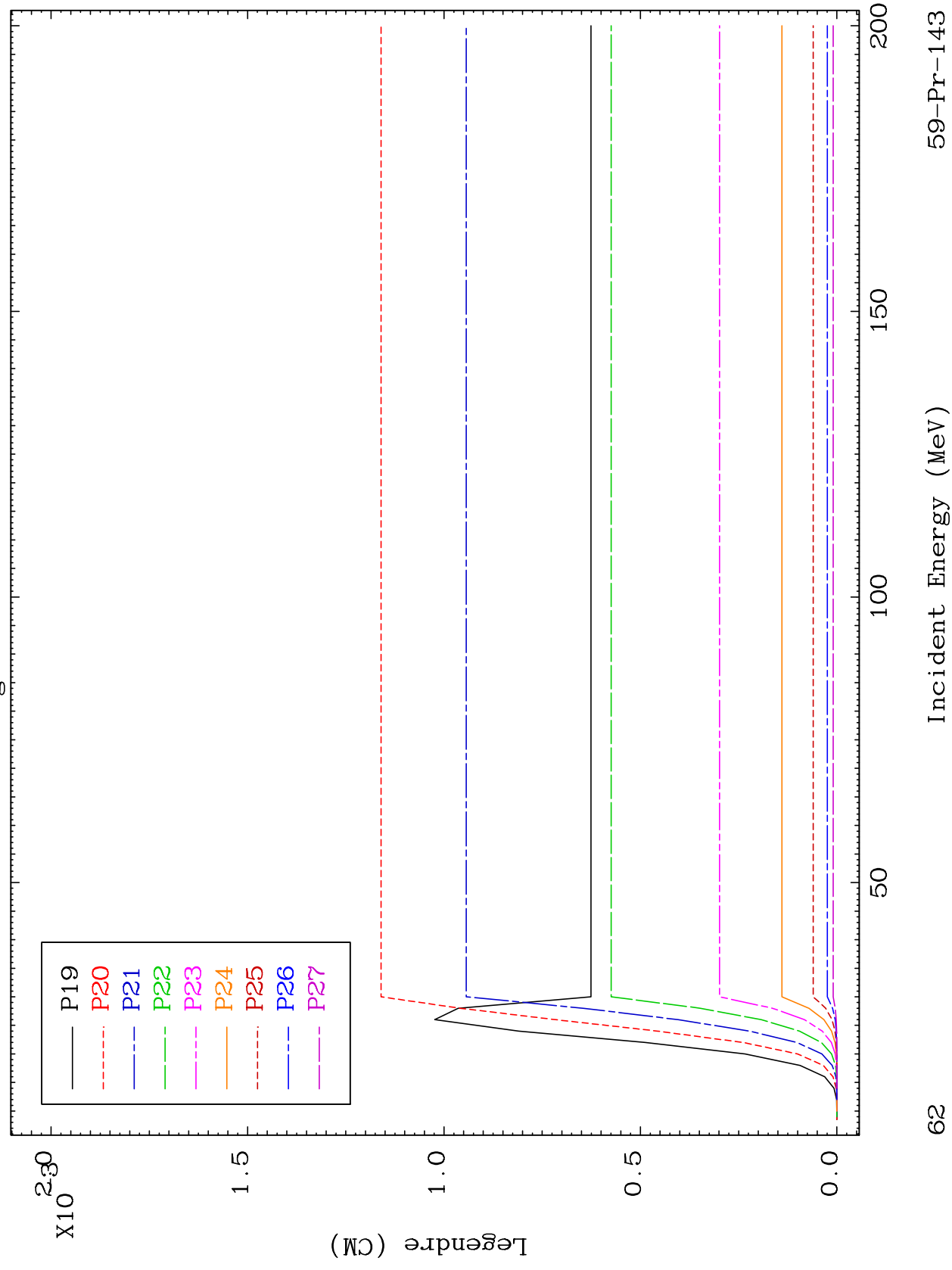


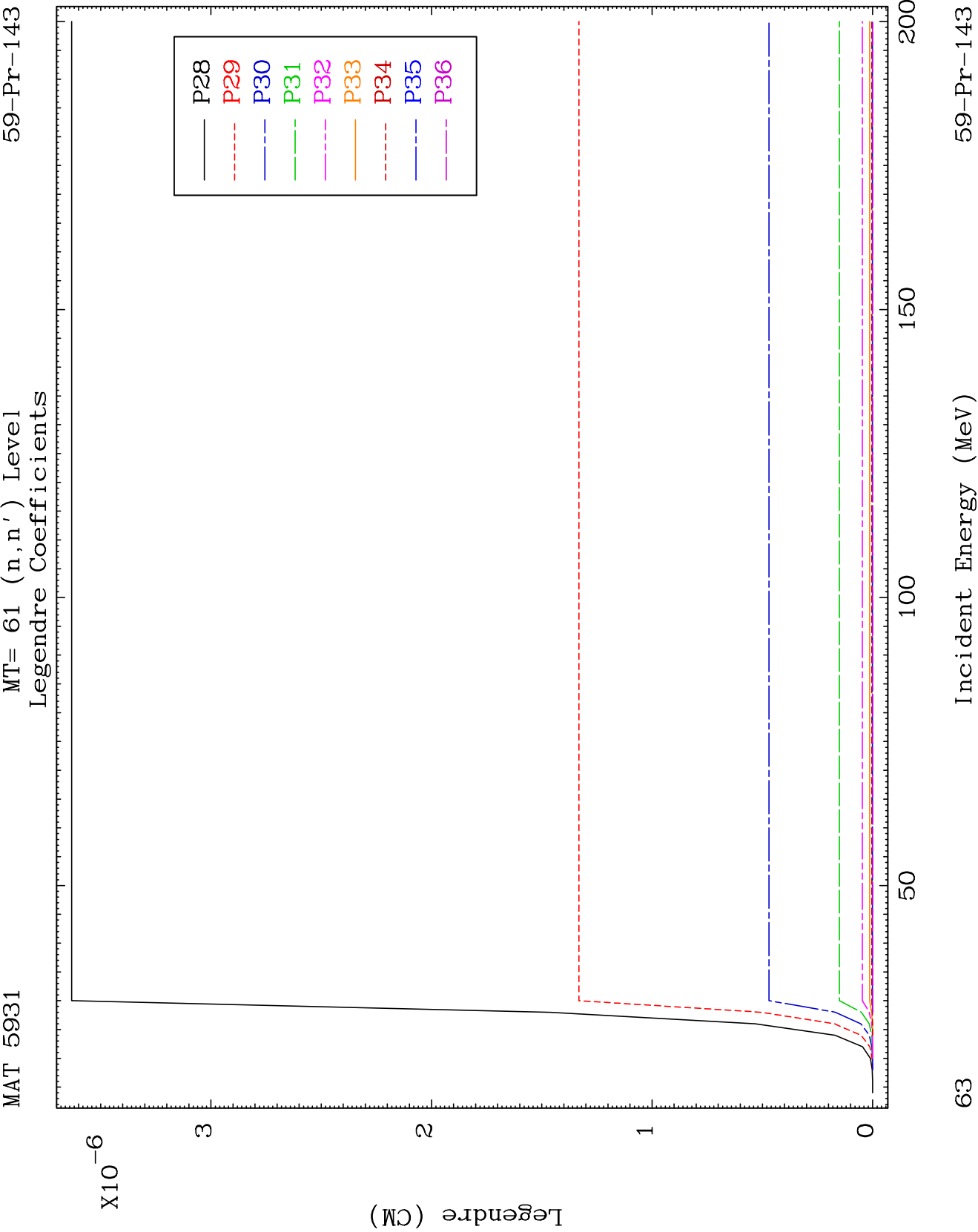


MAT 5931

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

59-Pr-143

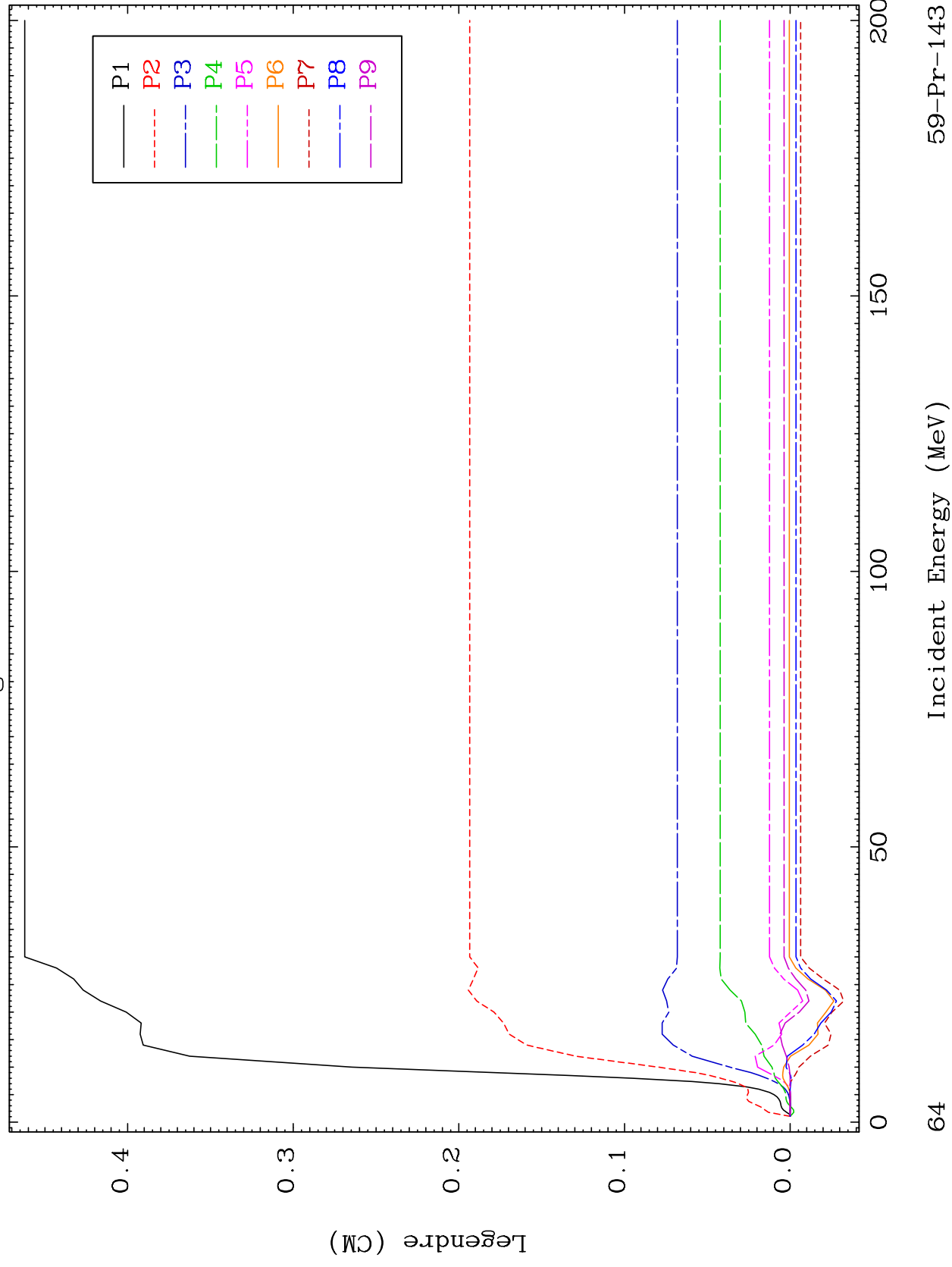




MAT 5931

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

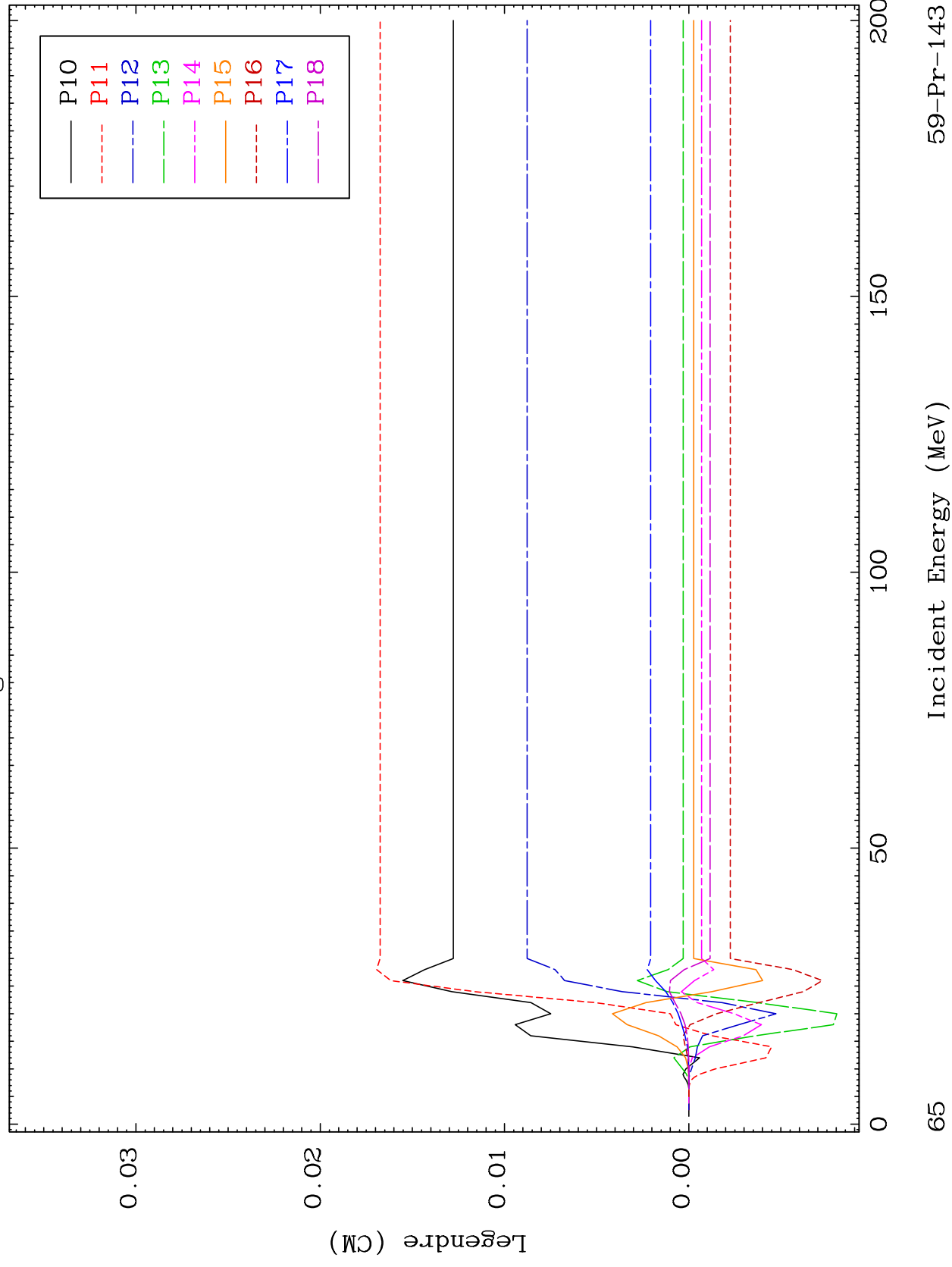
59-Pr-143



MAT 5931

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

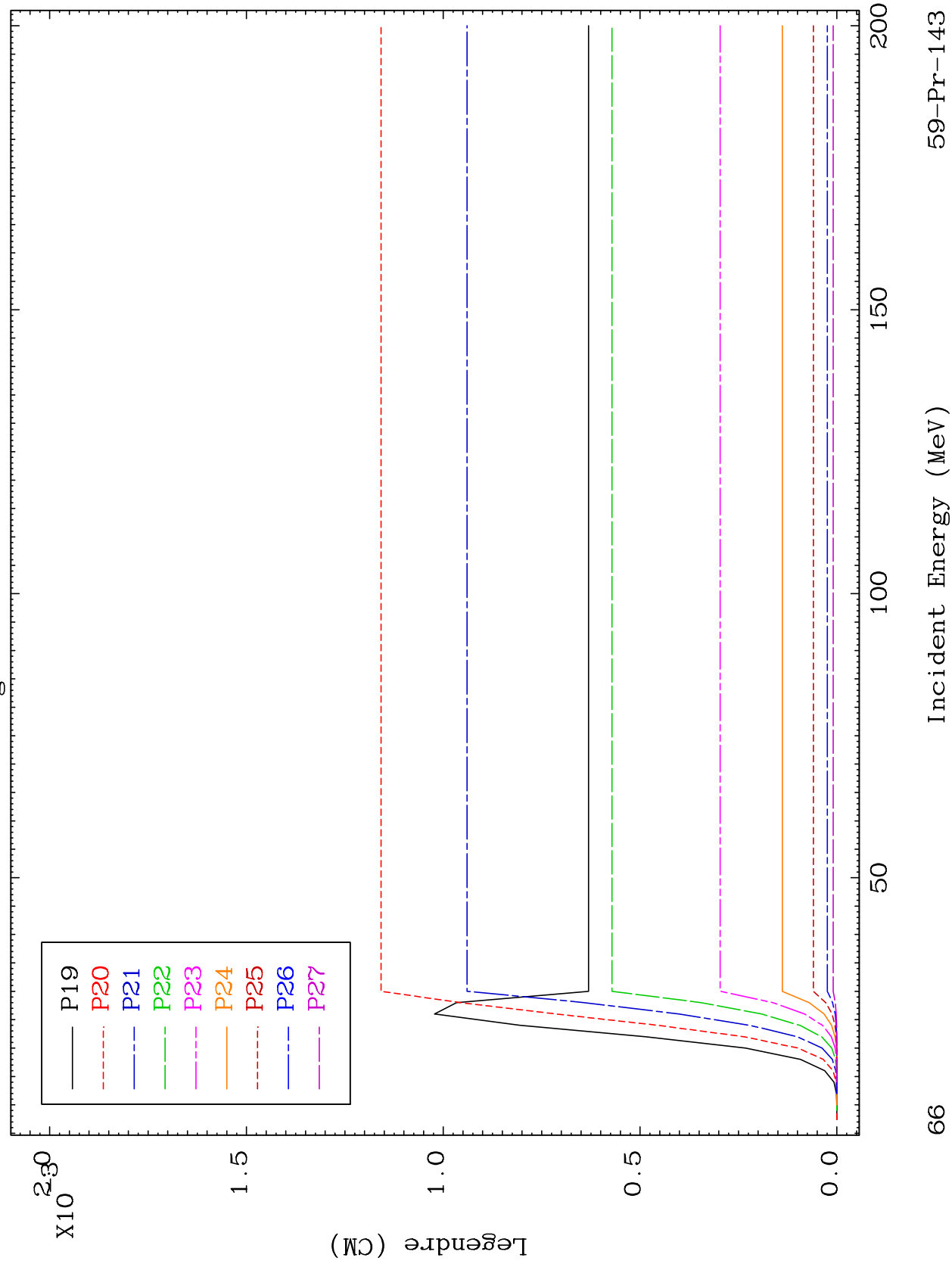
59-Pr-143



MAT 5931

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

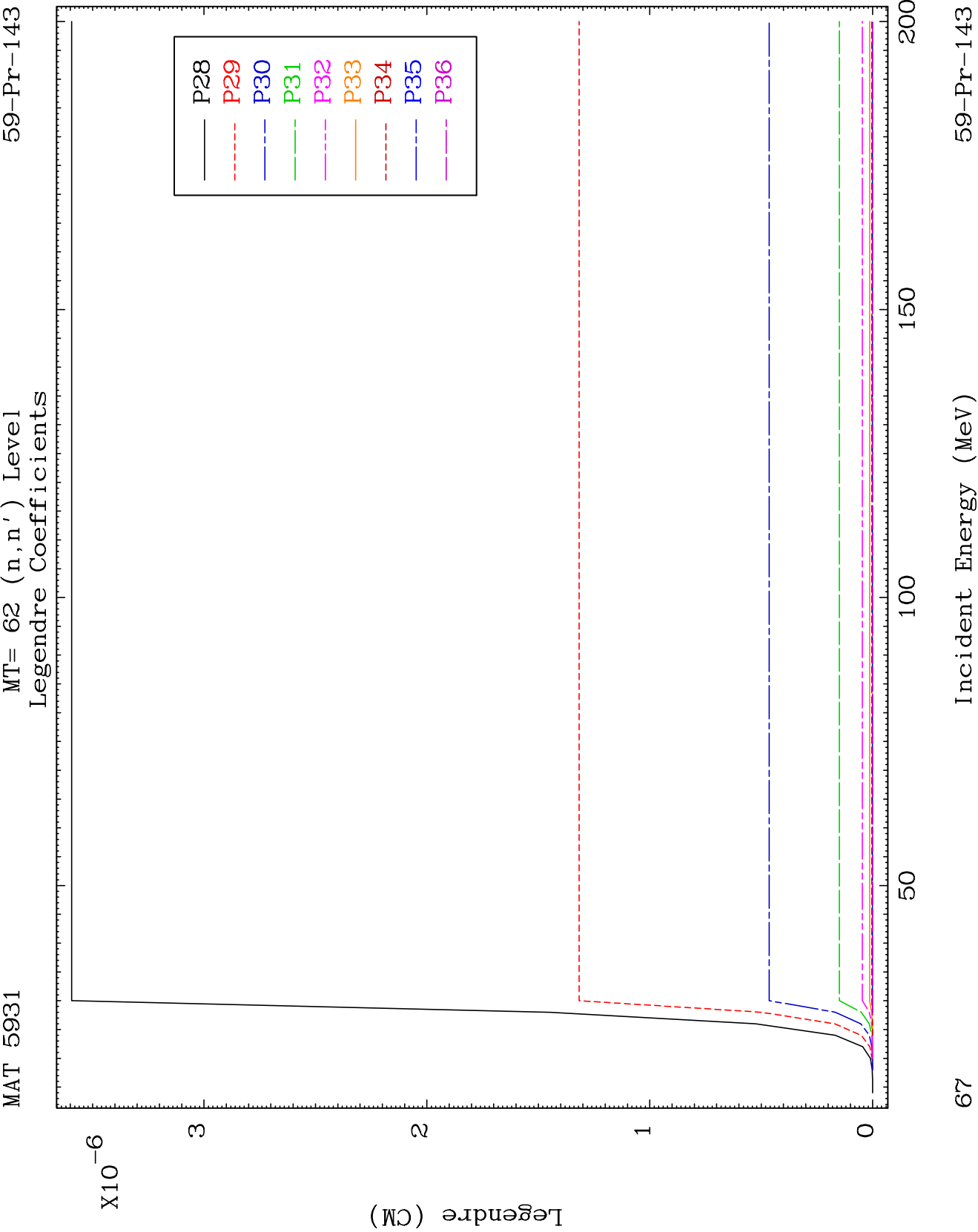
59-Pr-143



66

Incident Energy (MeV)

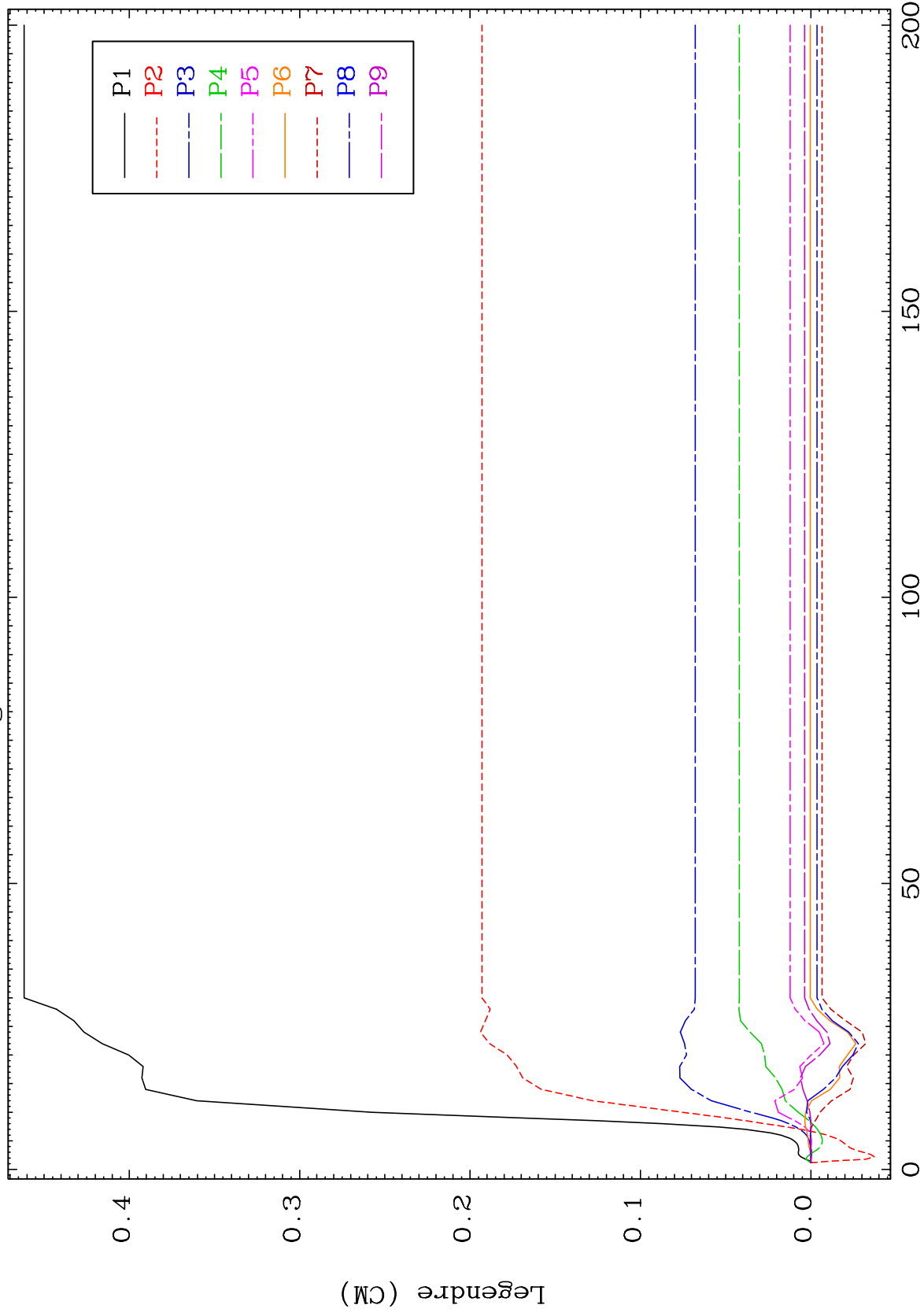
59-Pr-143



MAT 5931

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

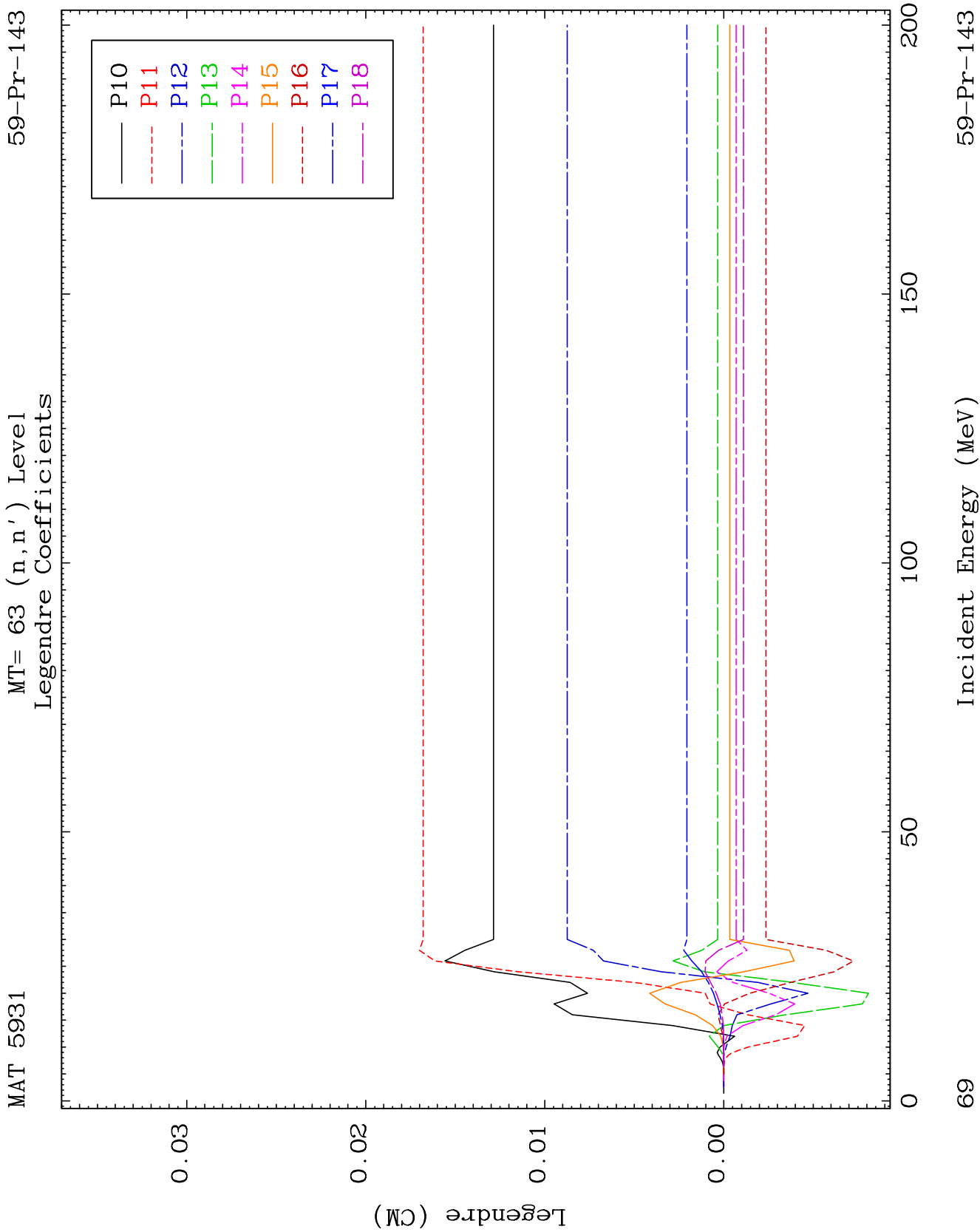
59-Pr-143

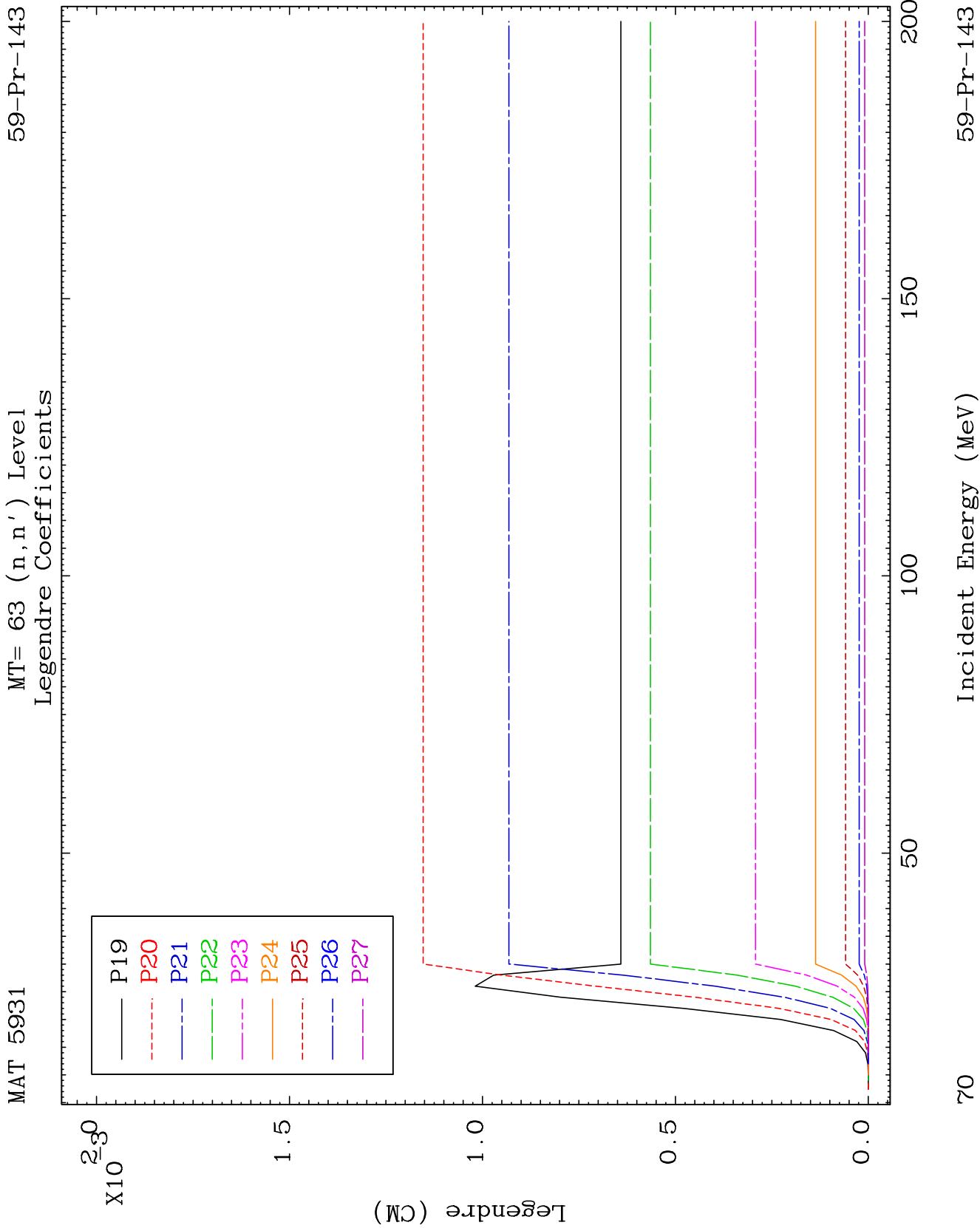


59-Pr-143

Incident Energy (MeV)

68

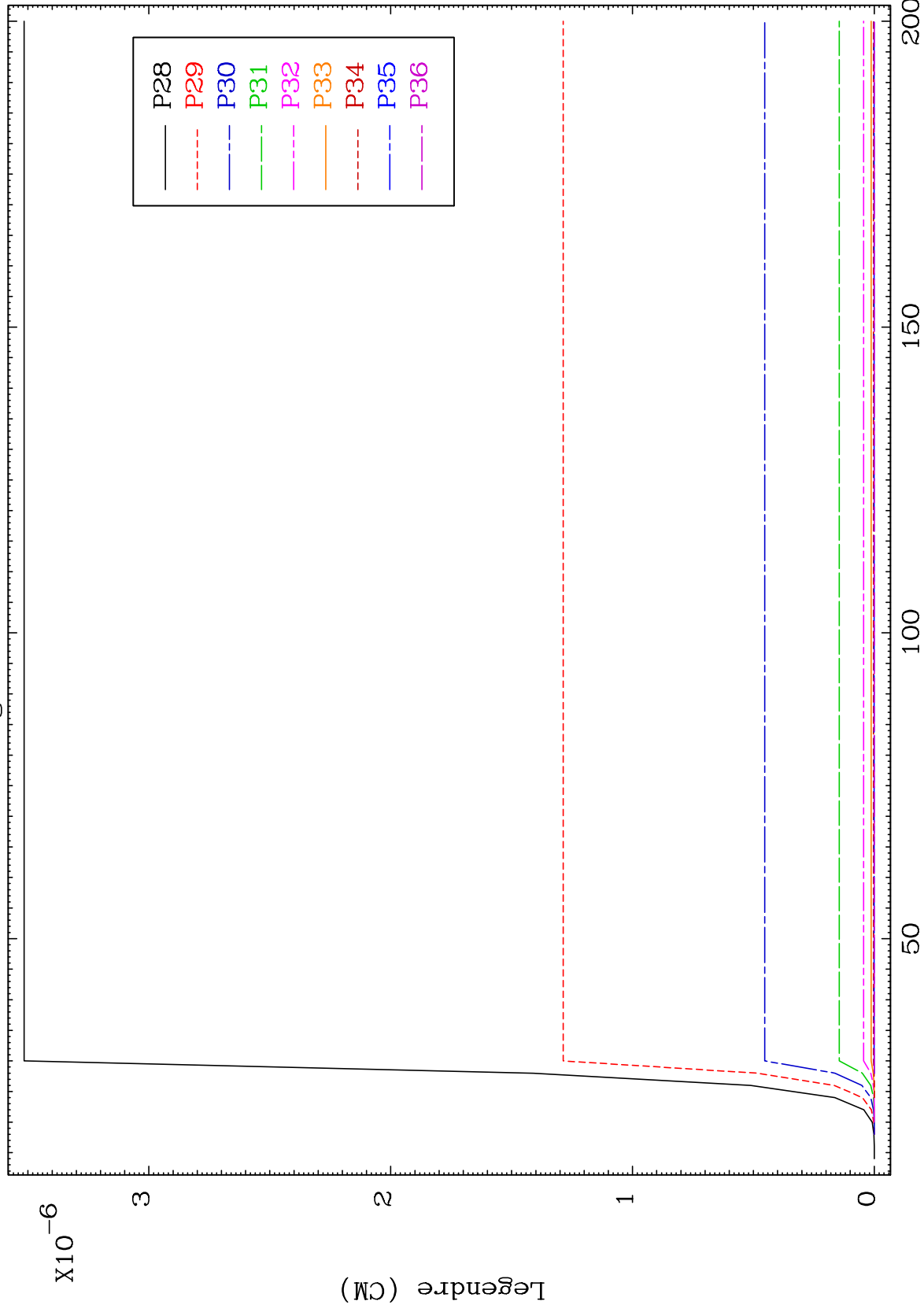




MAT 5931

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

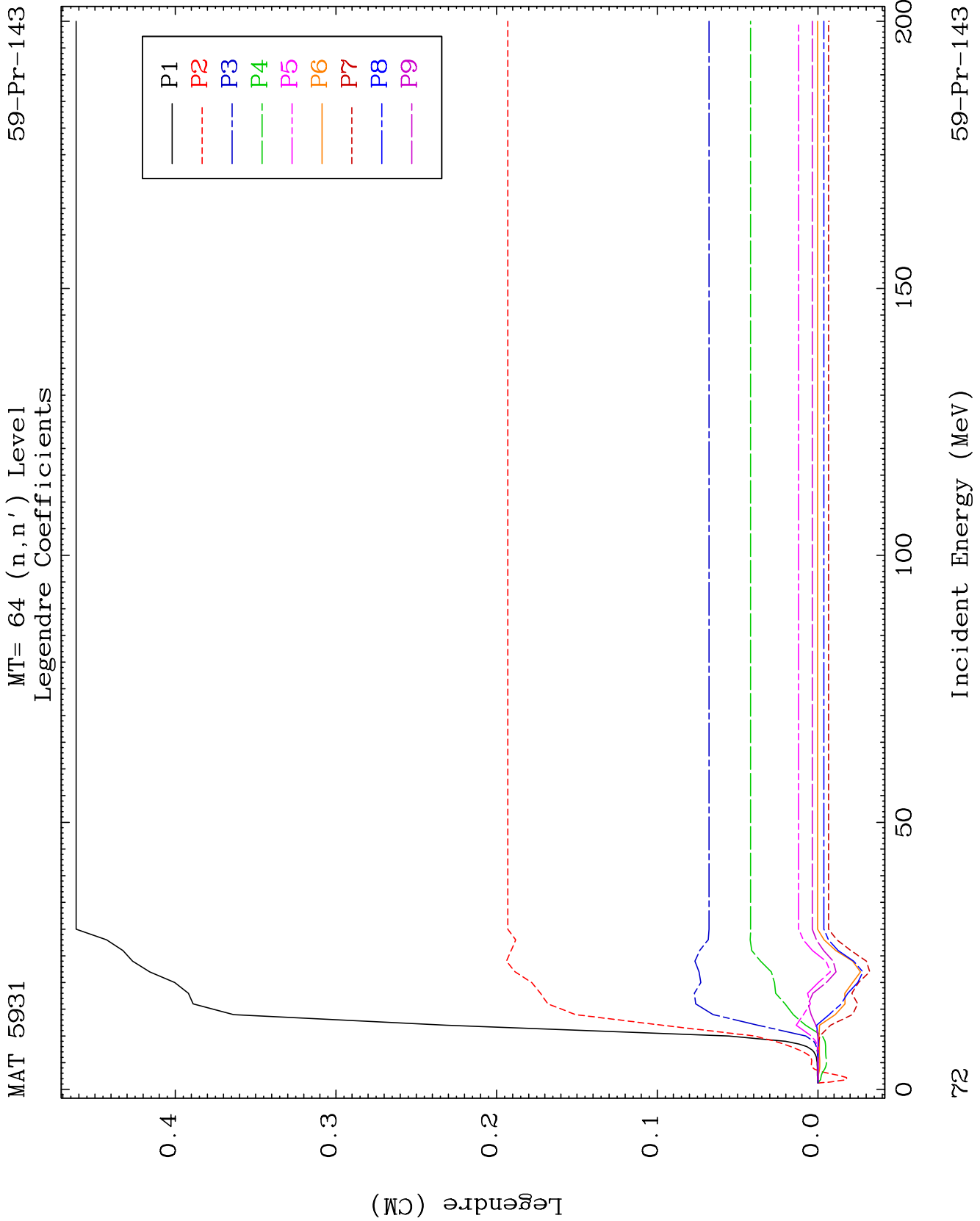
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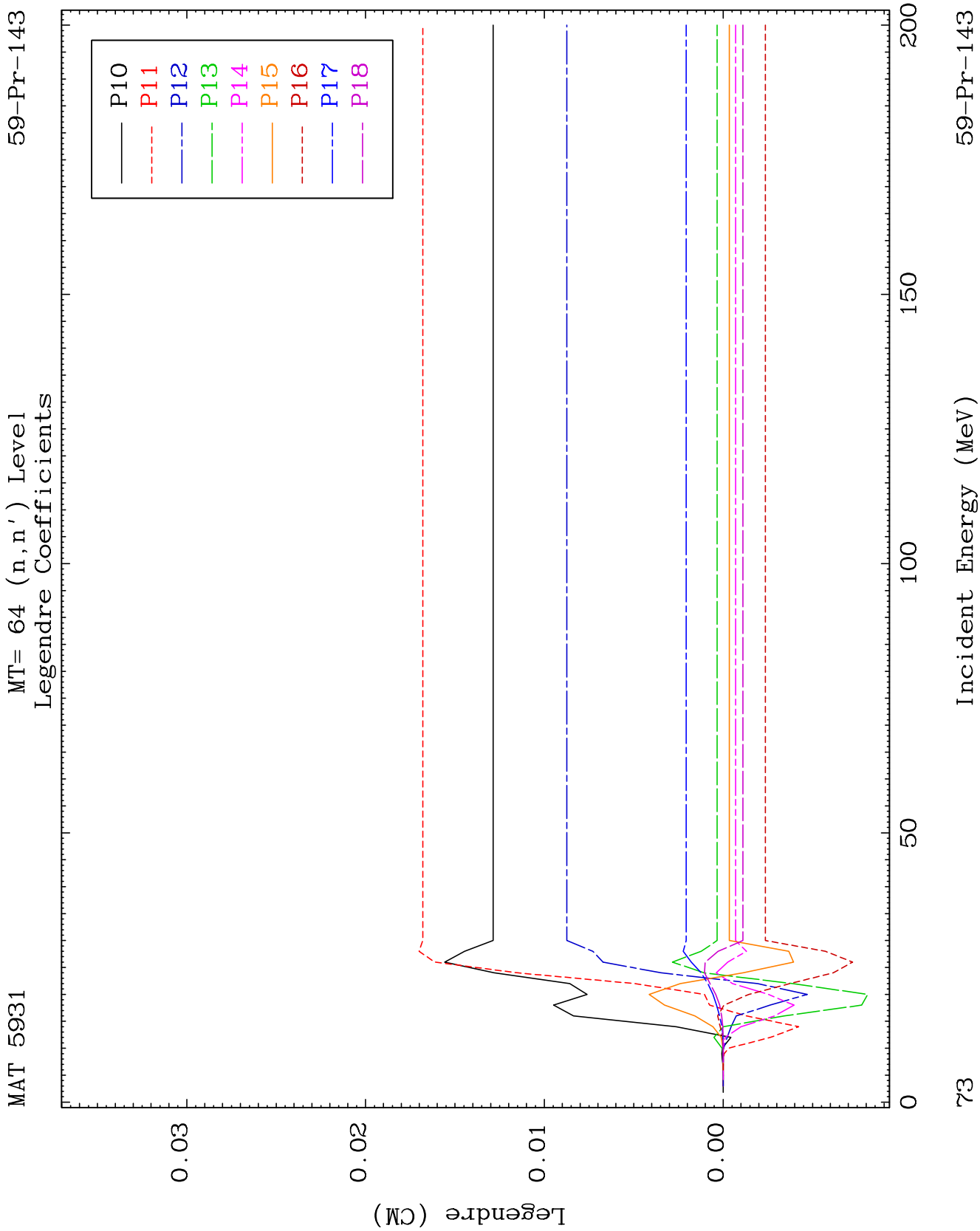


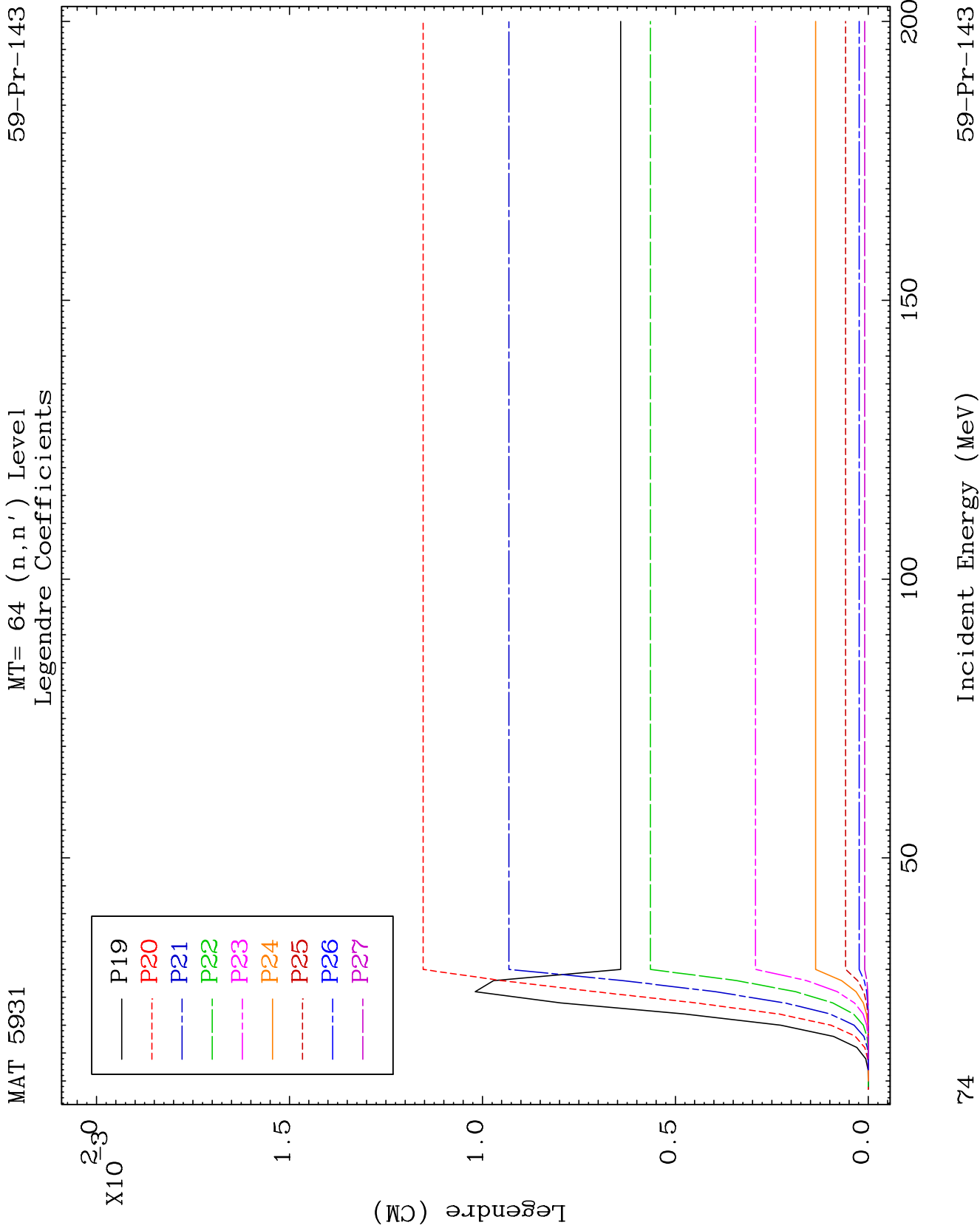
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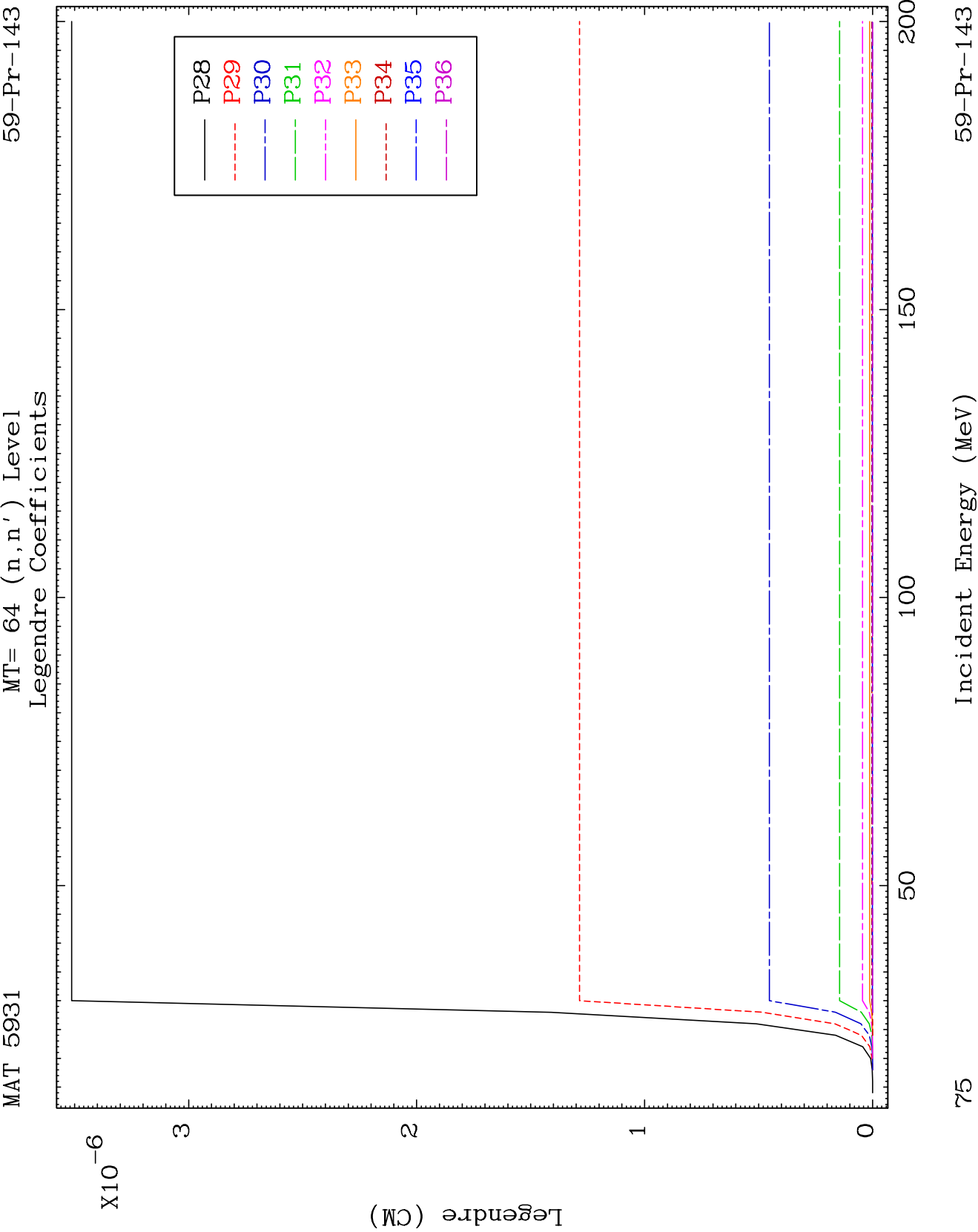
Incident Energy (MeV)

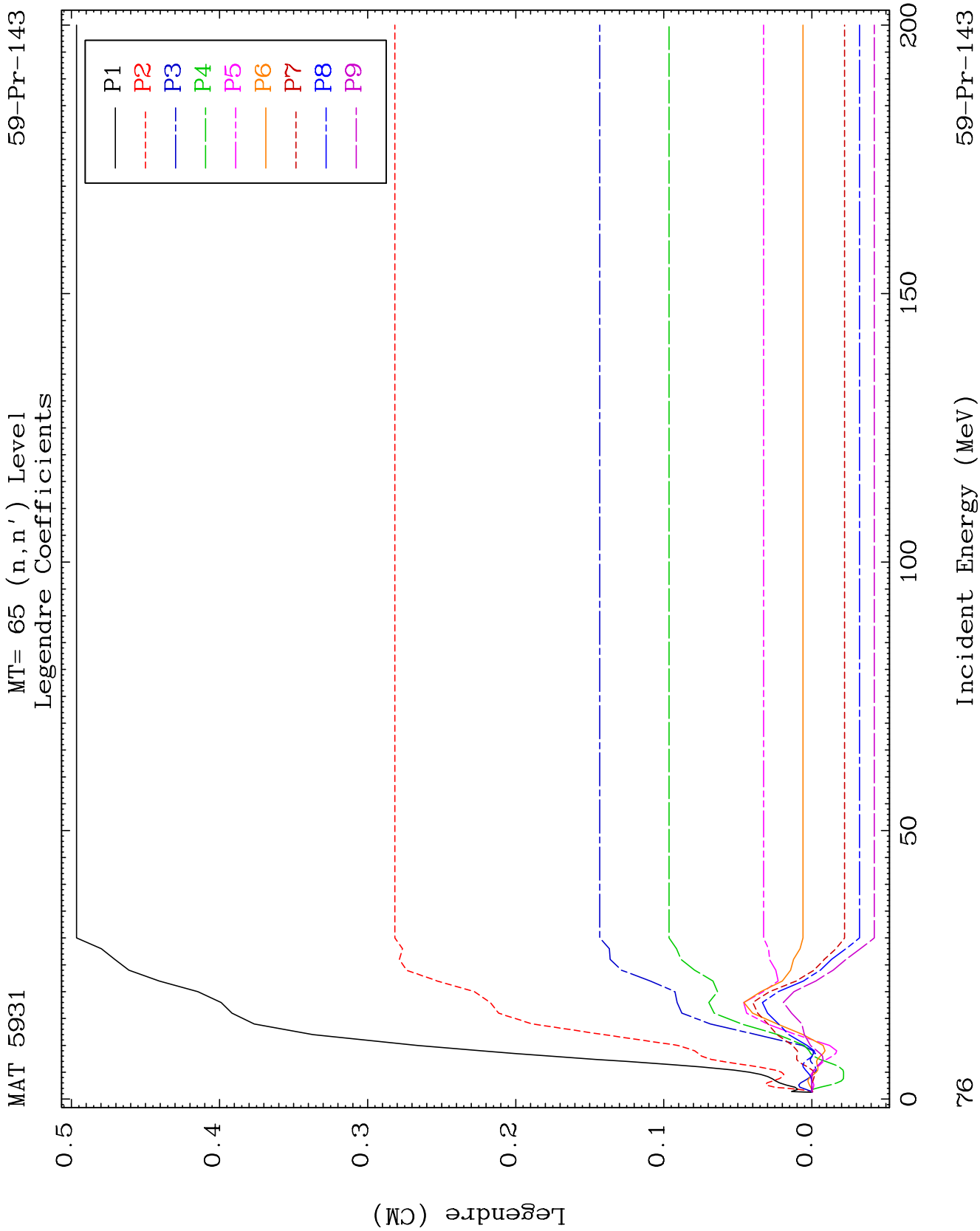
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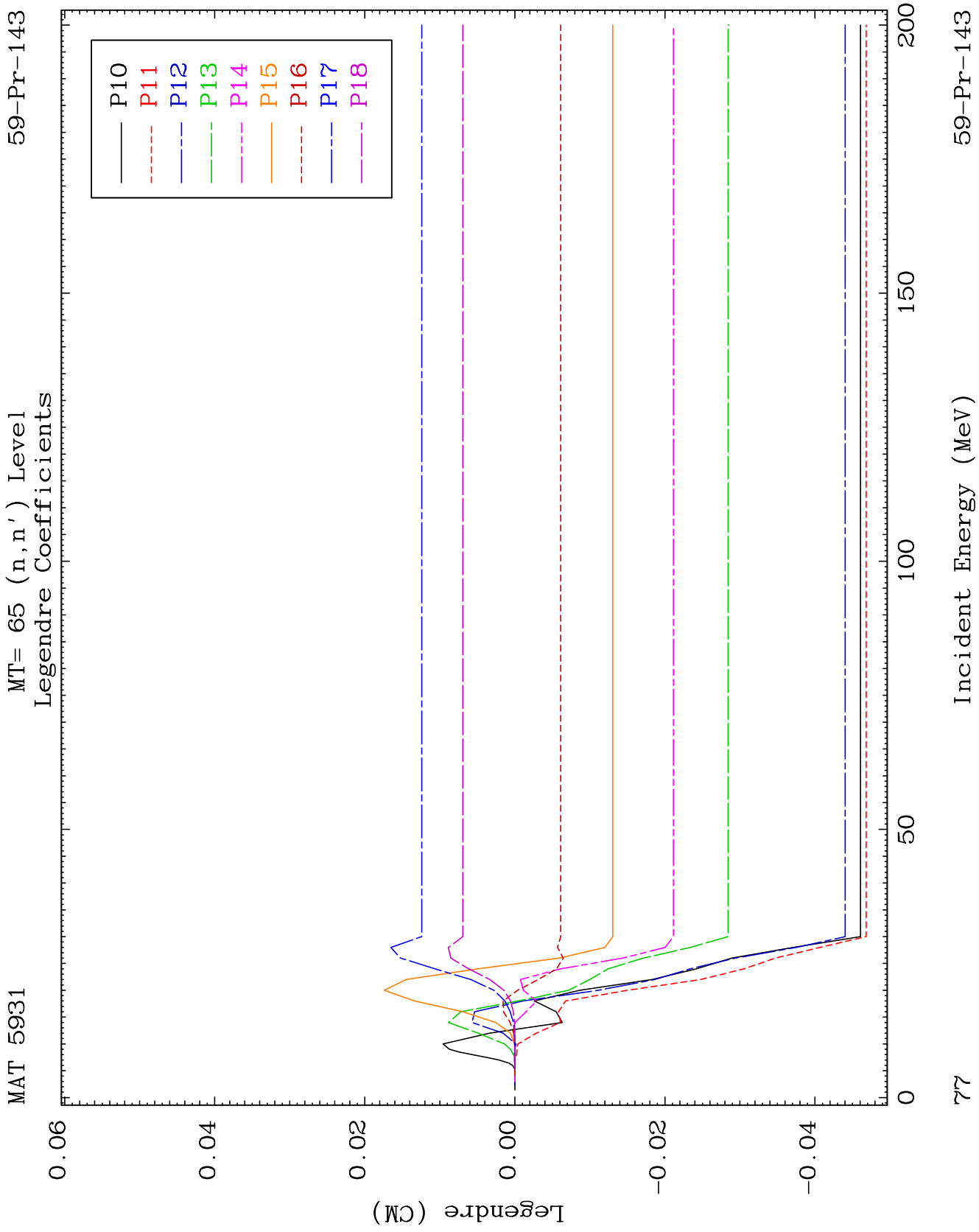


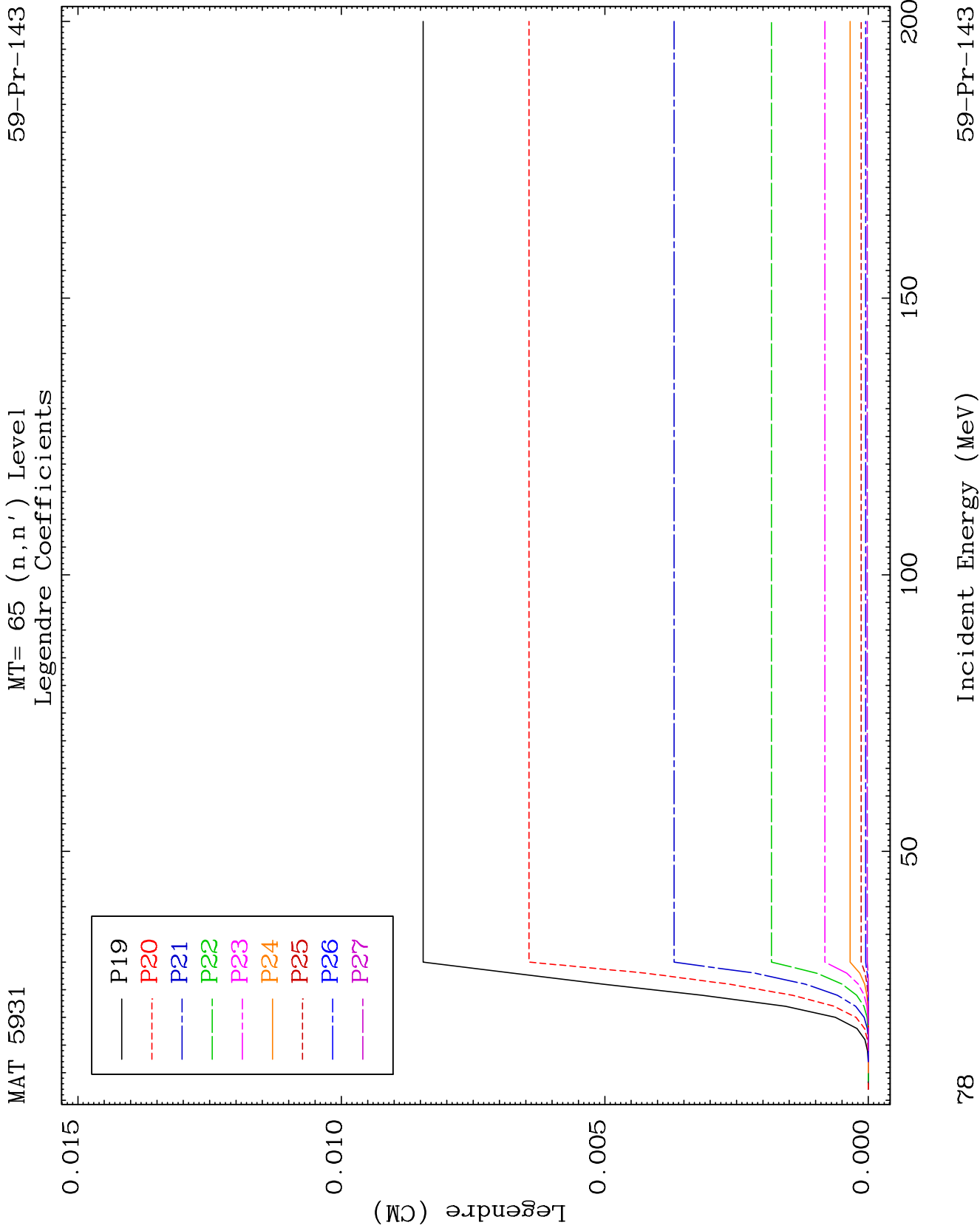


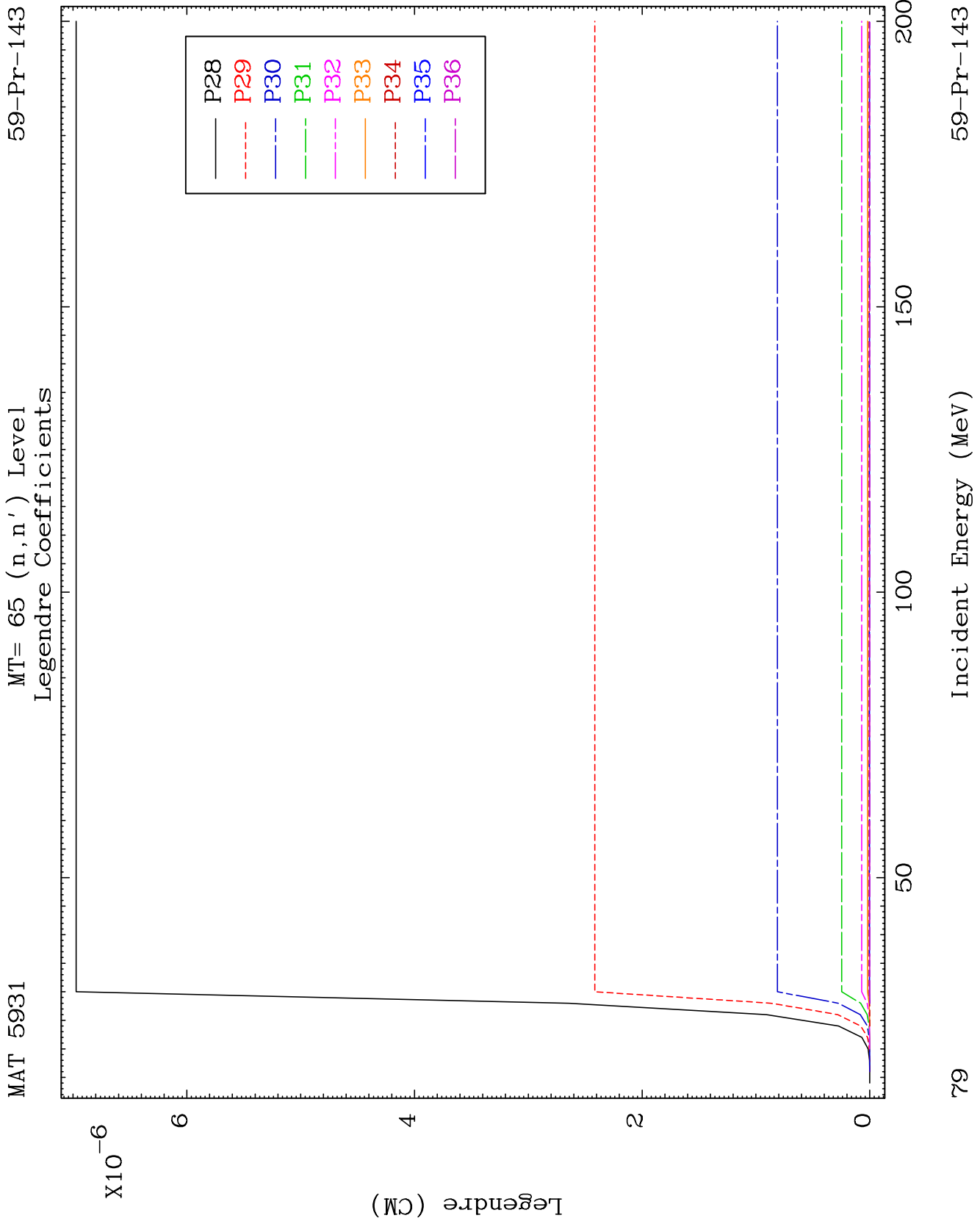








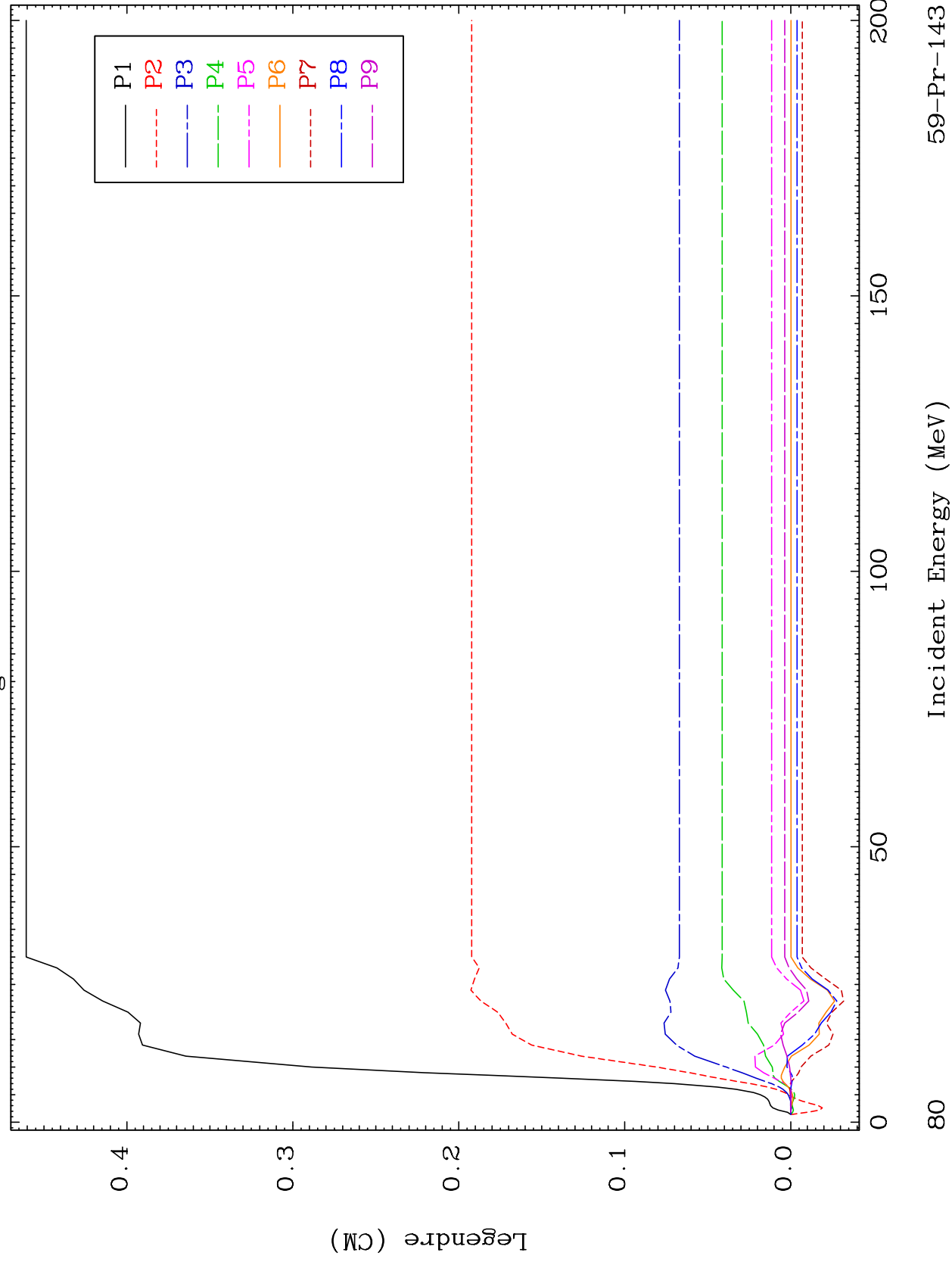


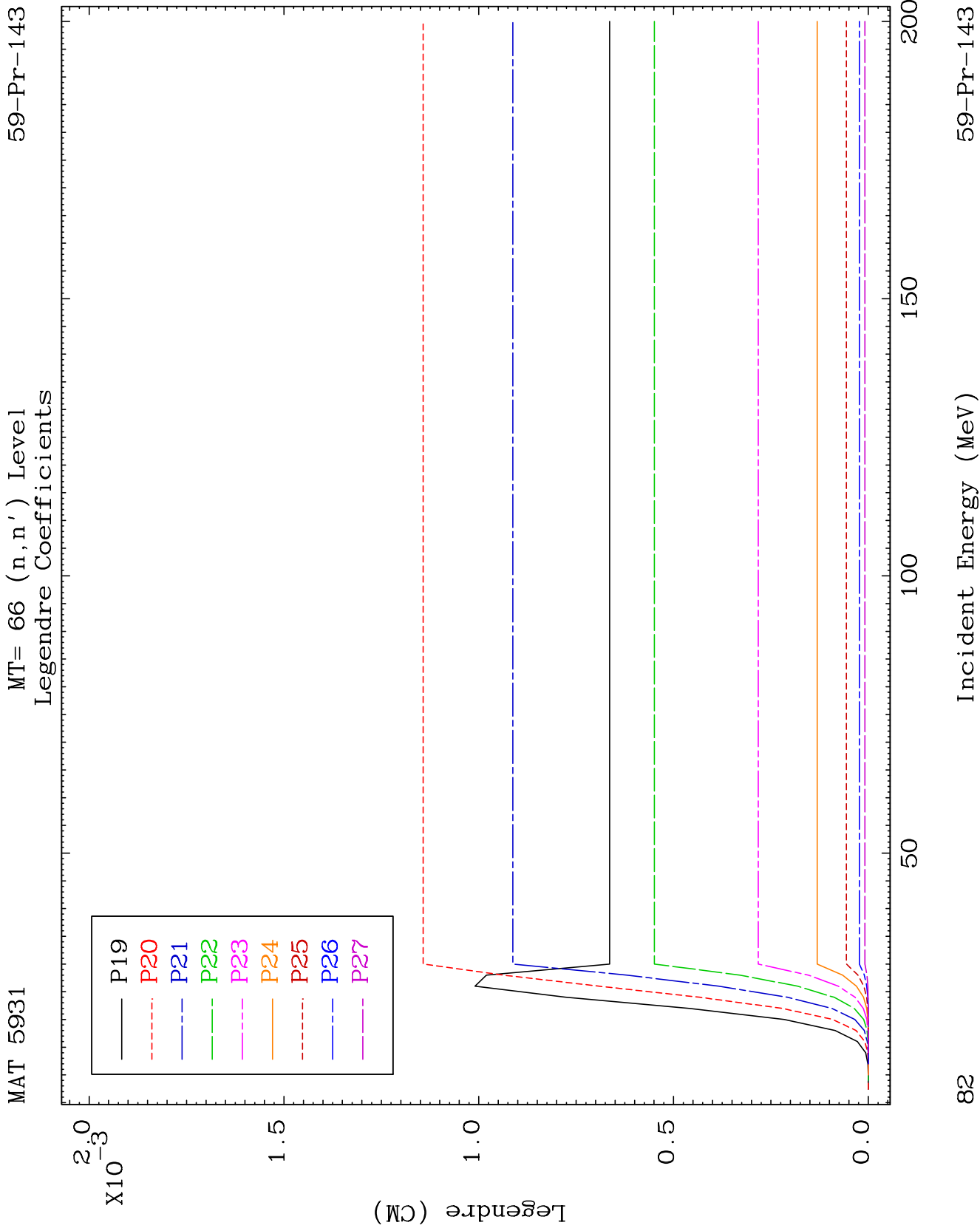


MAT 5931

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

59-Pr-143

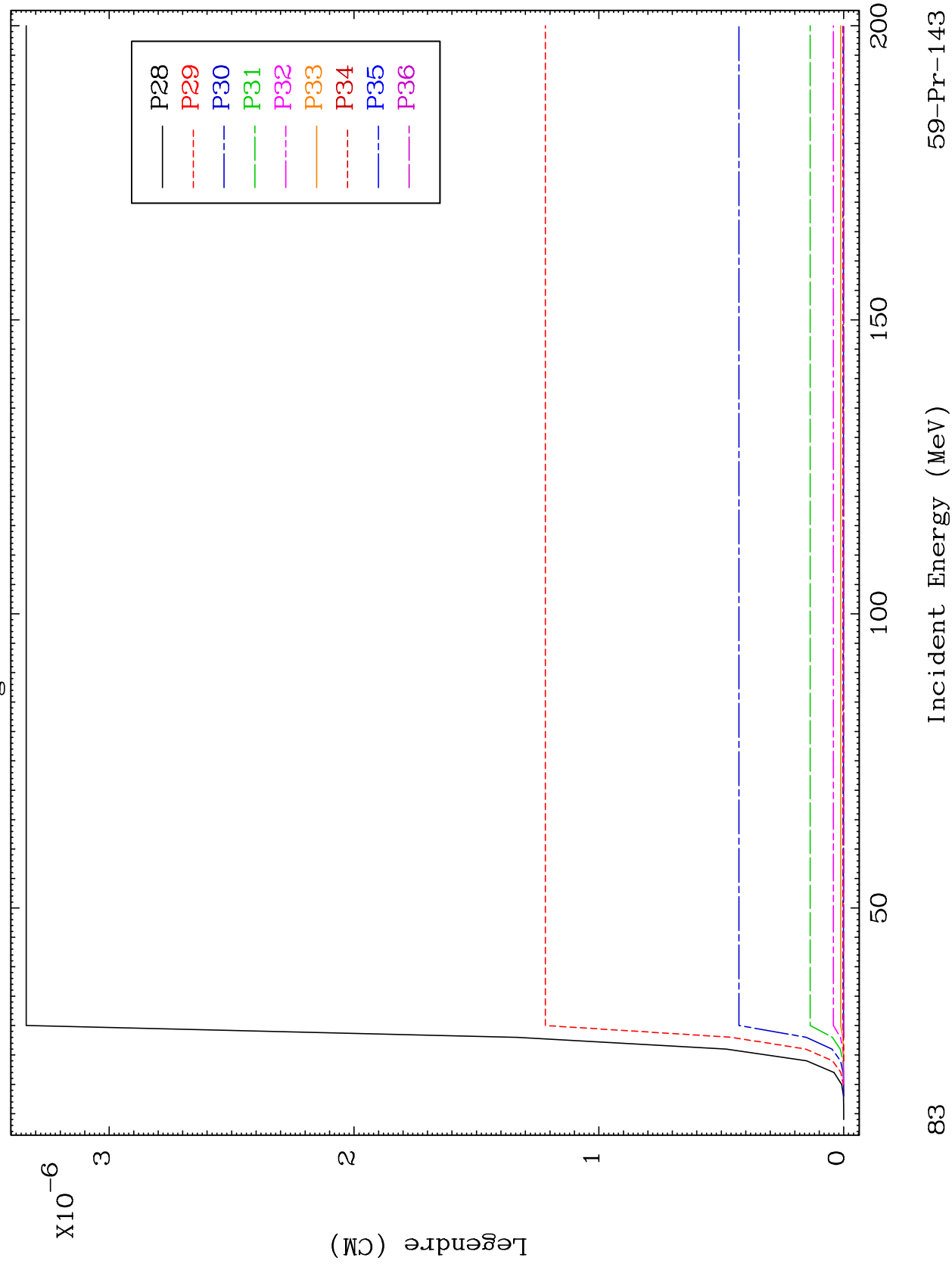




MAT 5931

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

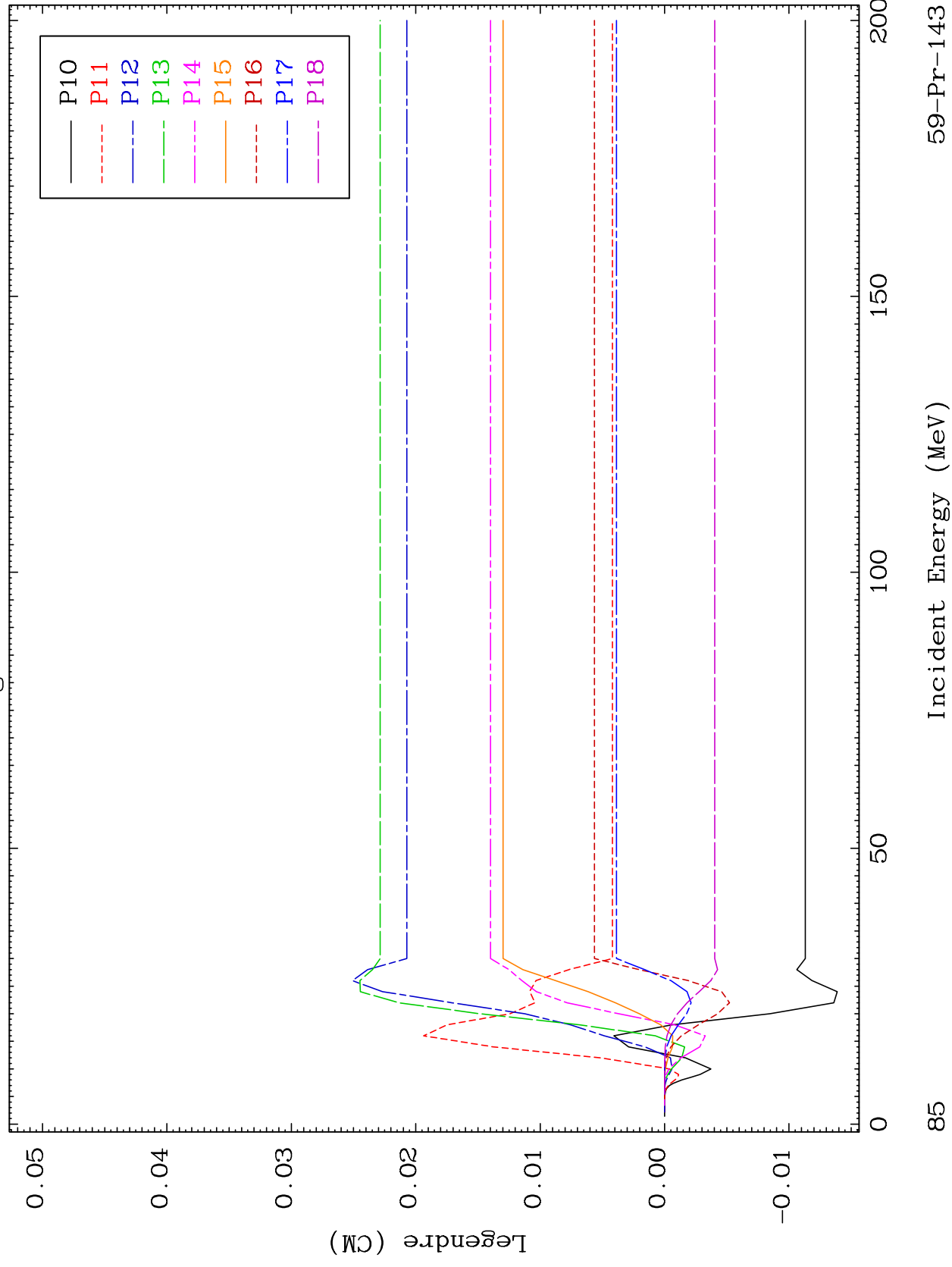
59-Pr-143

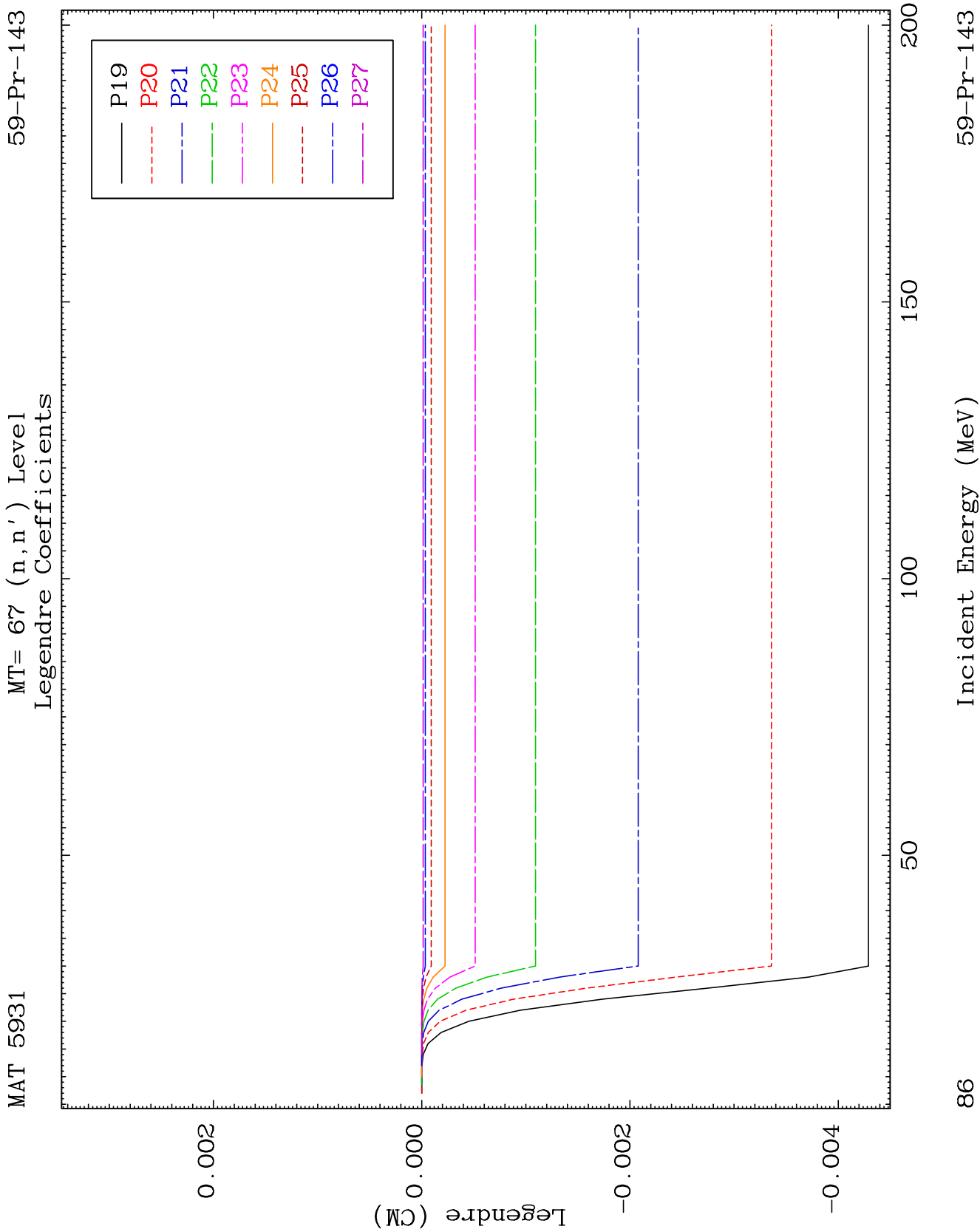


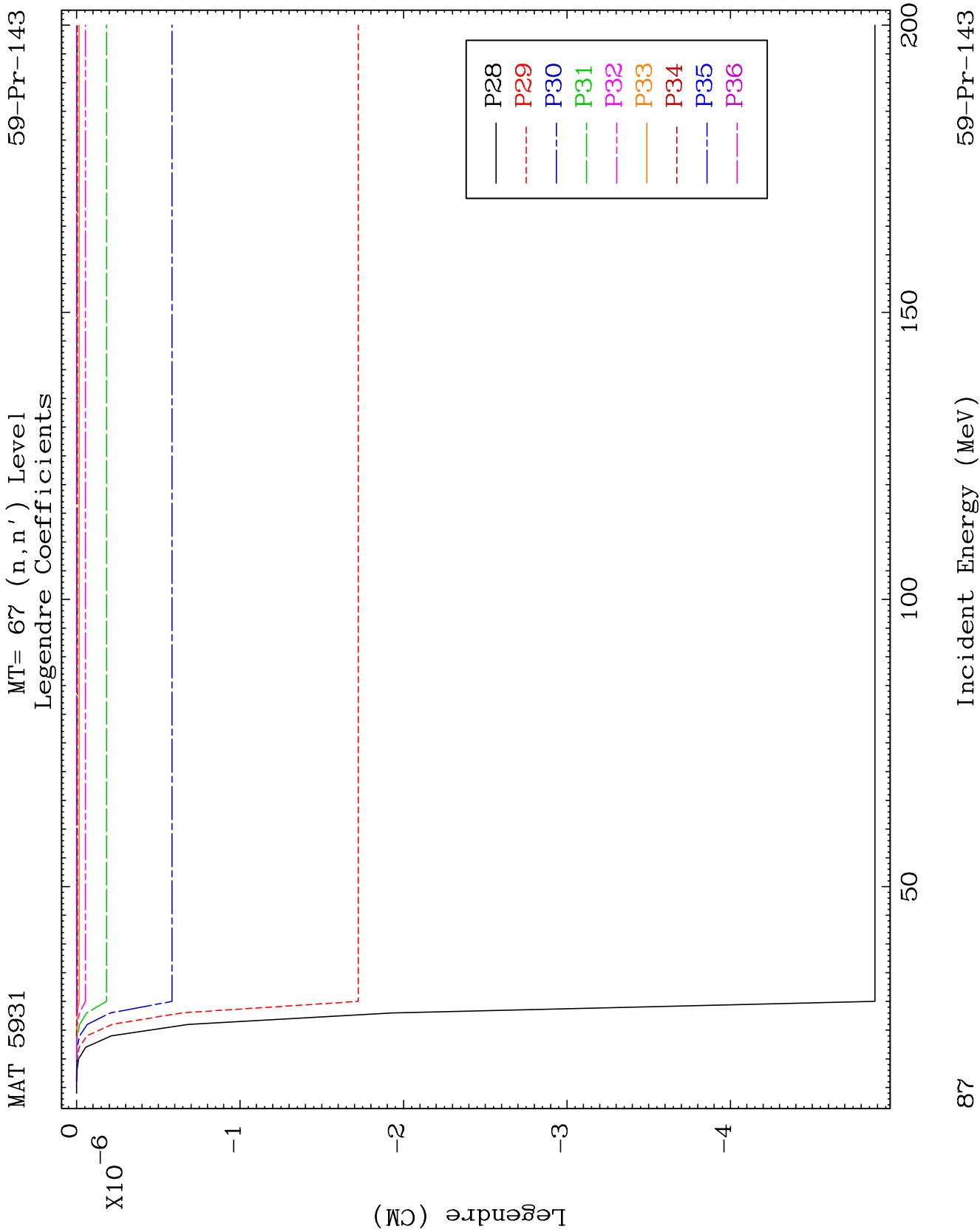
MAT 5931

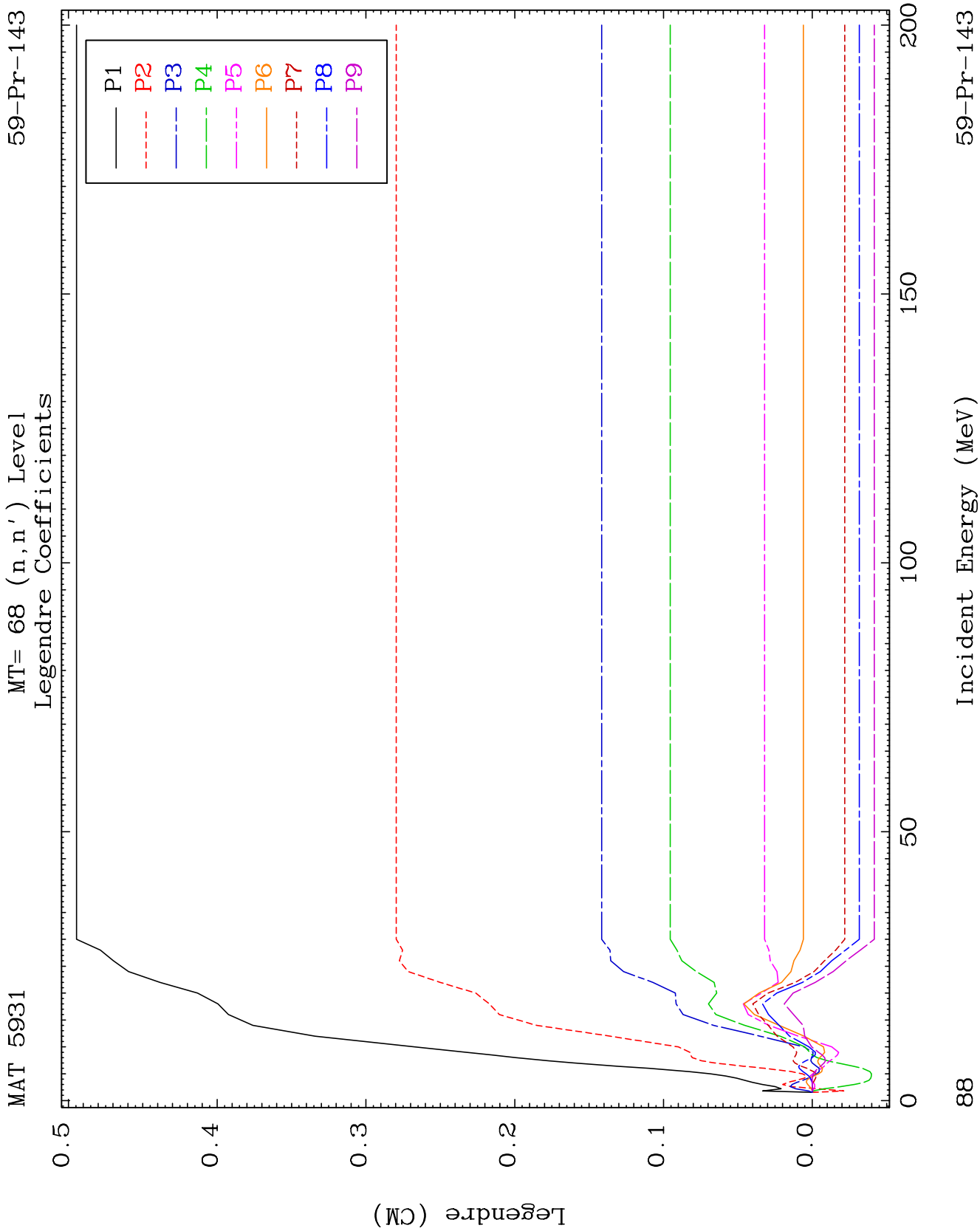
MT= 67 (n, n') Level
Legendre Coefficients

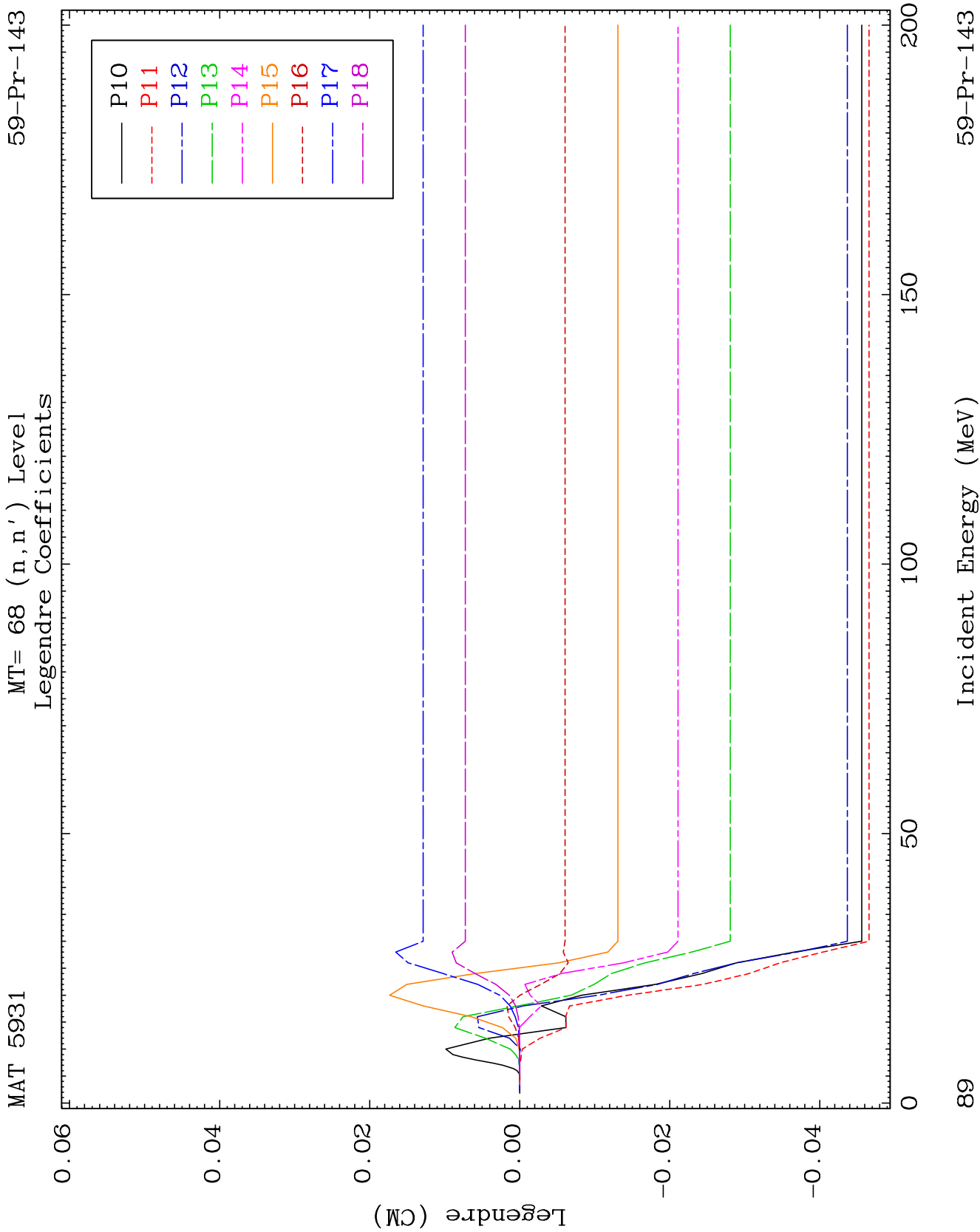
59-Pr-143

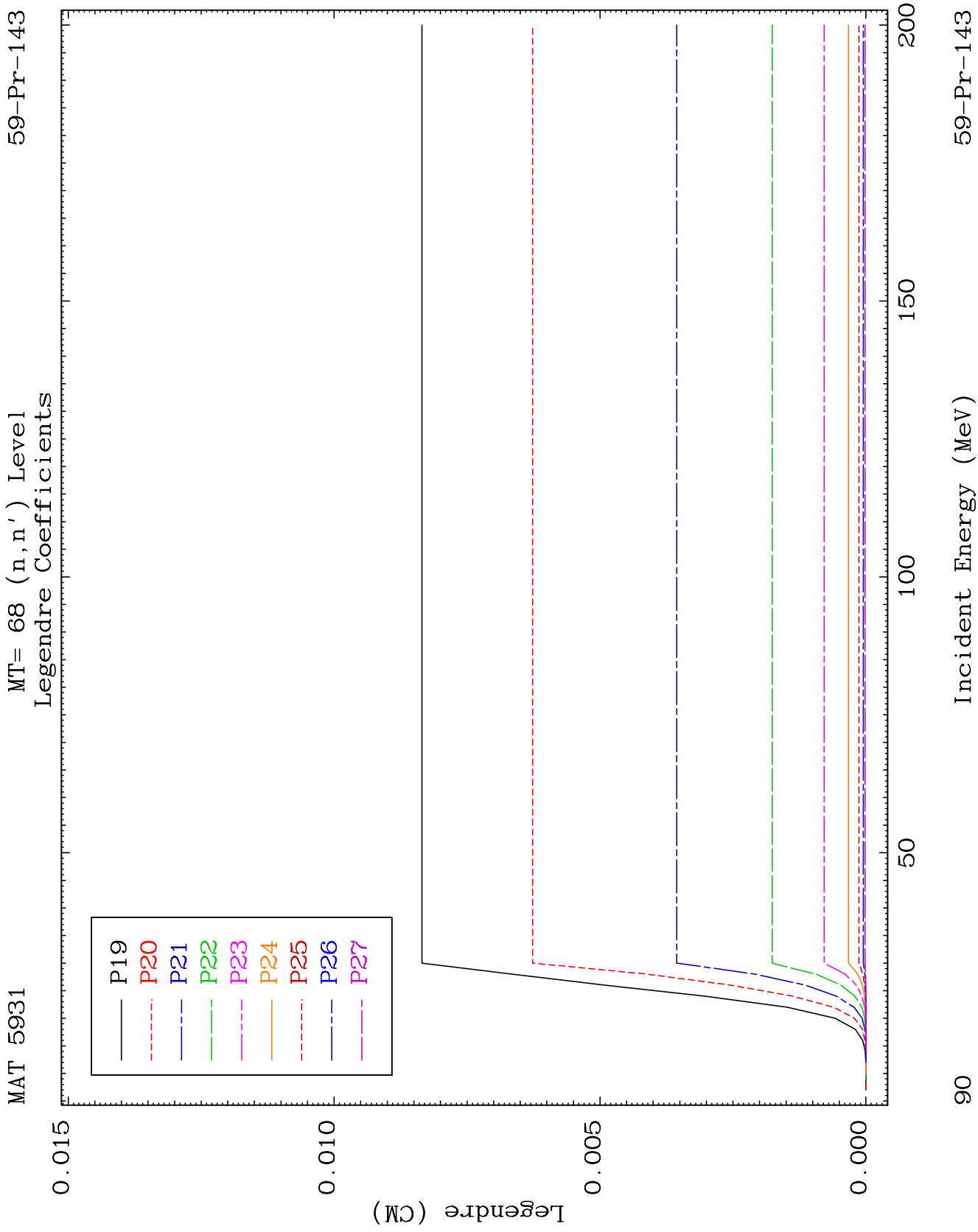


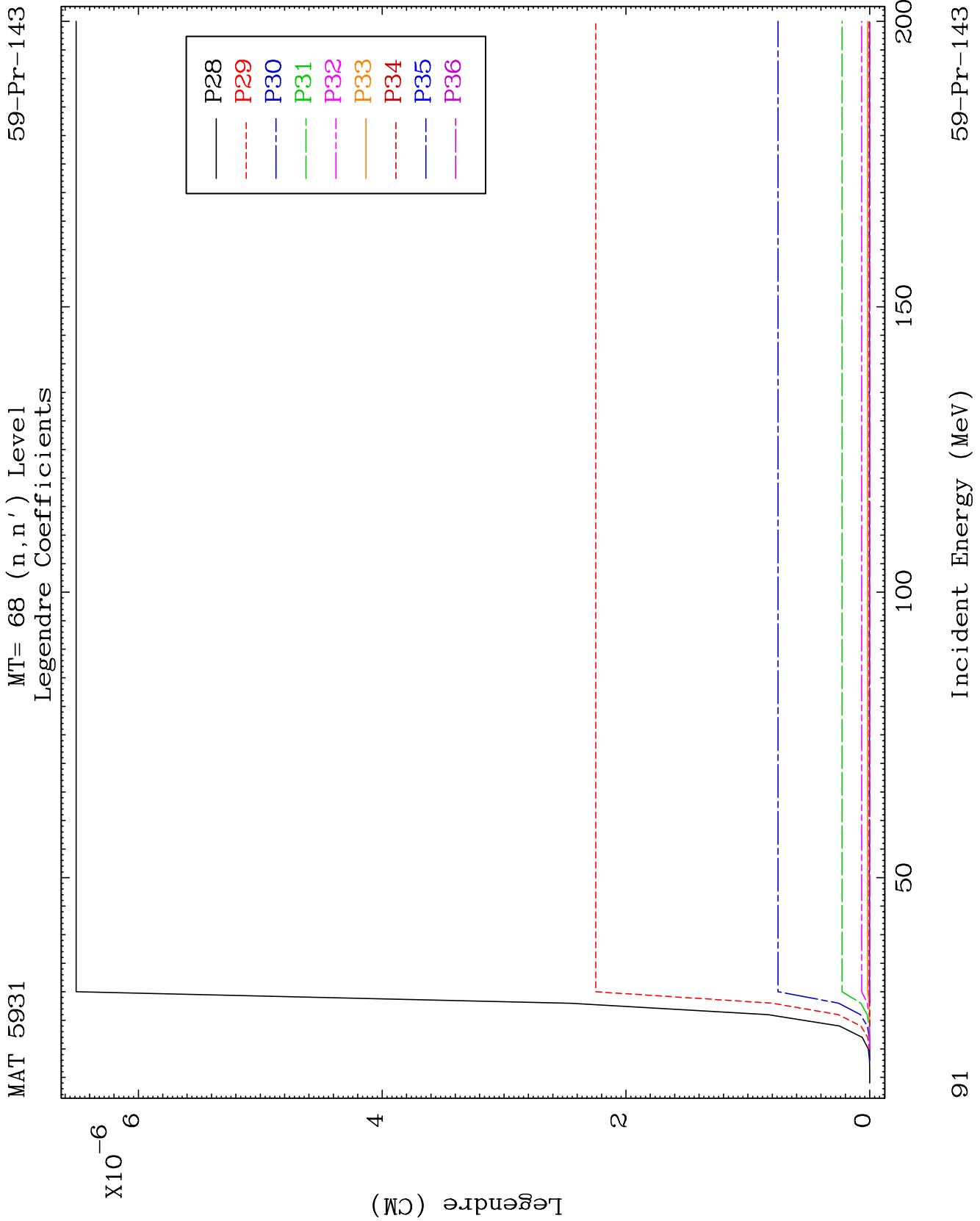


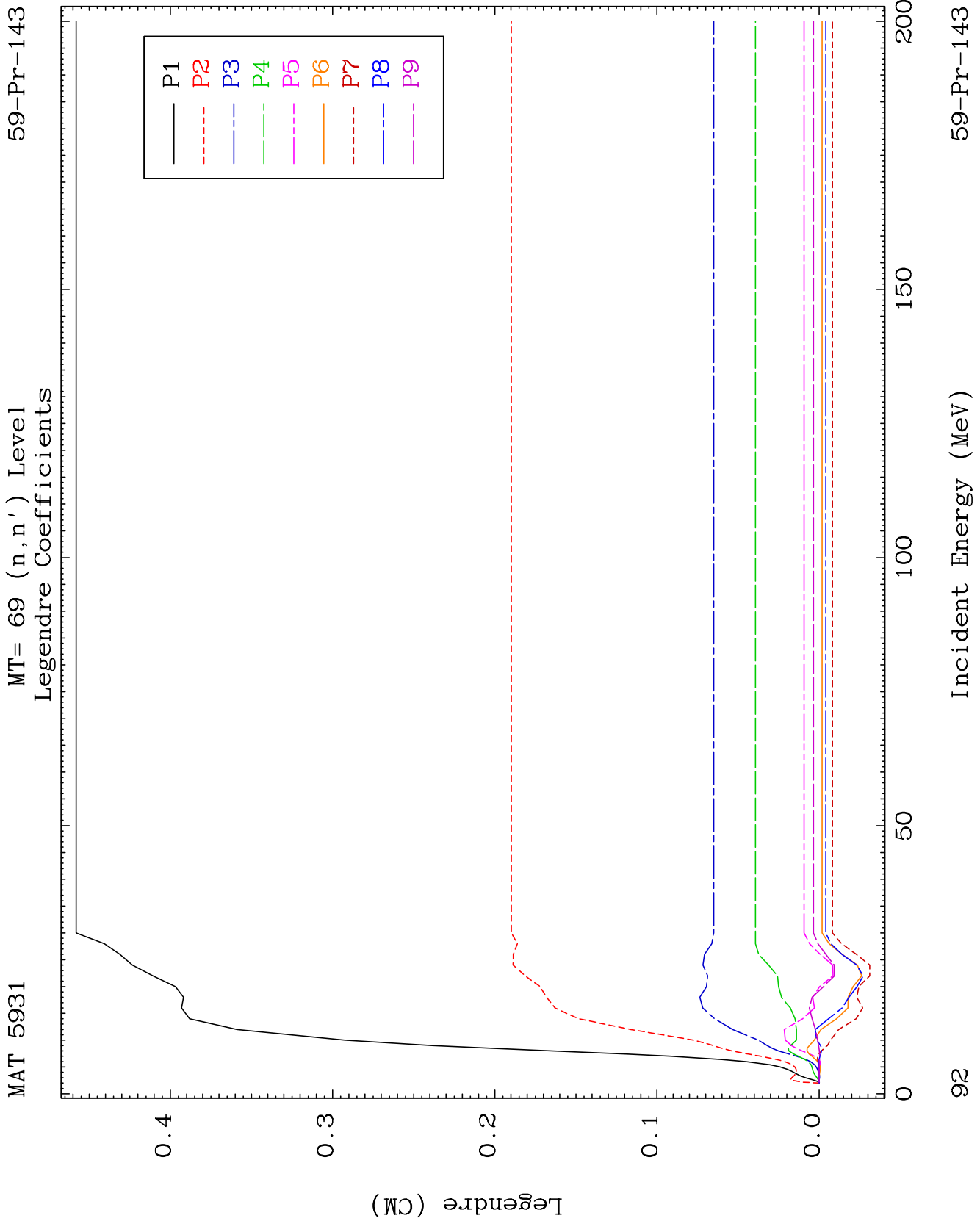


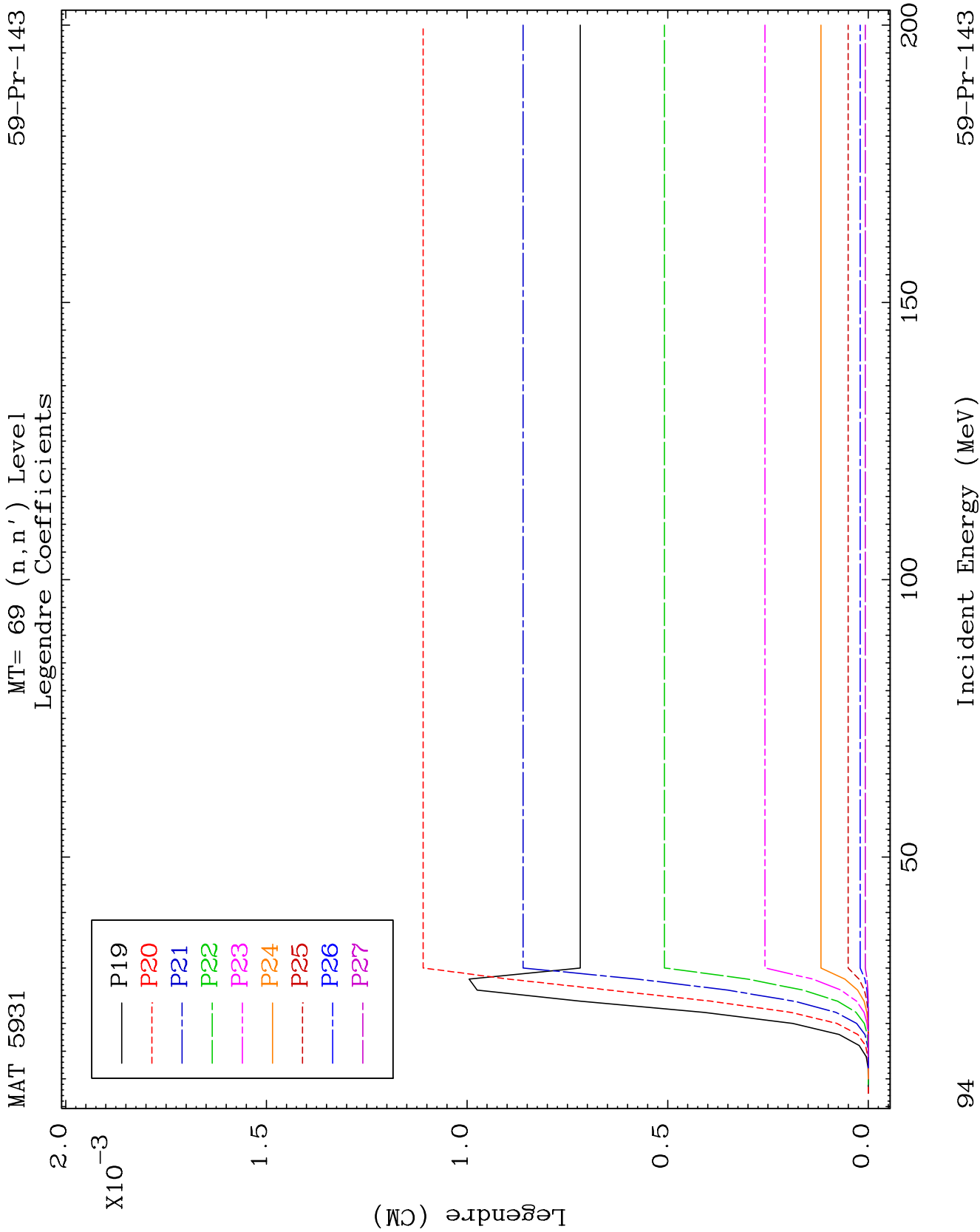








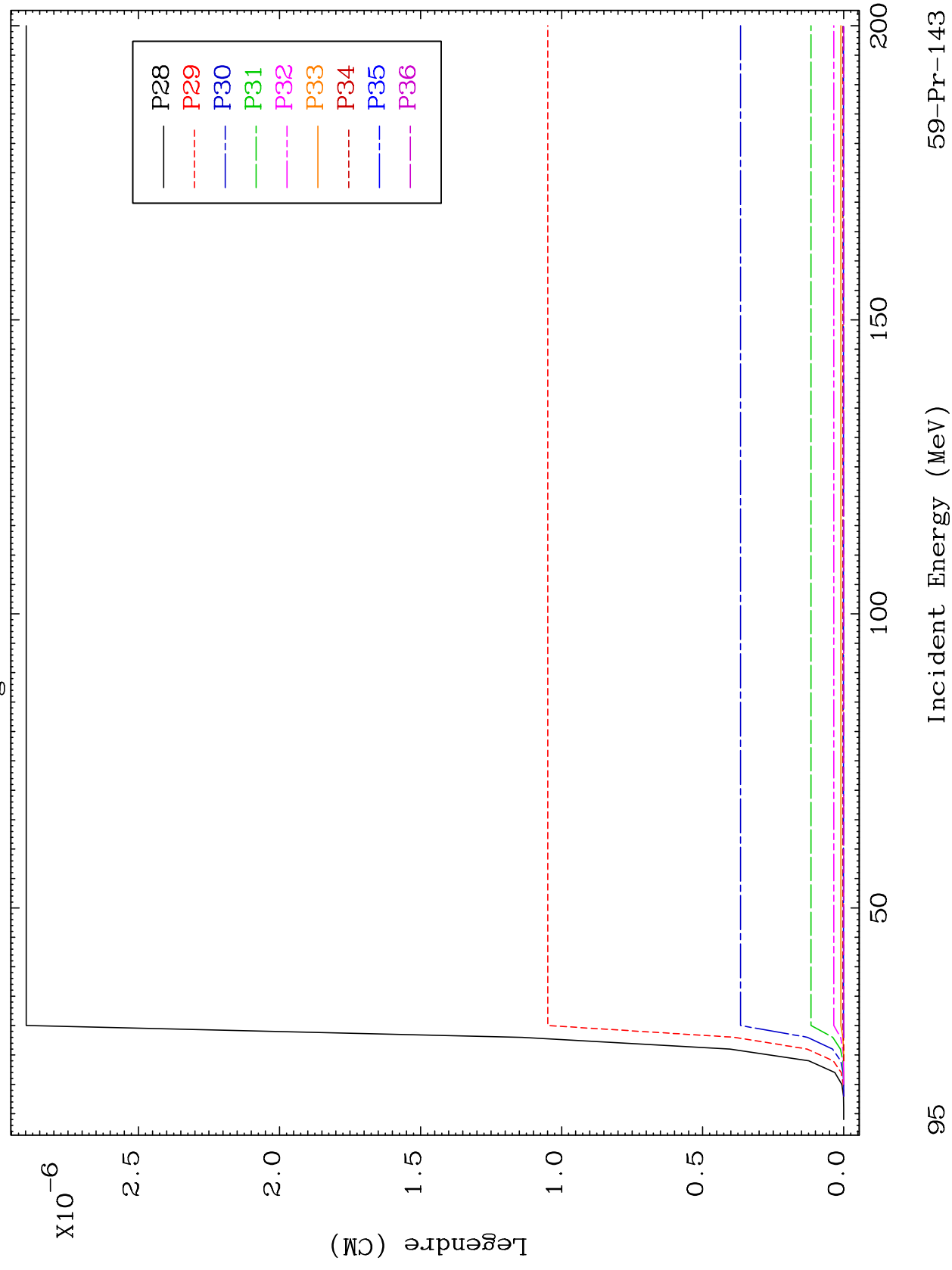


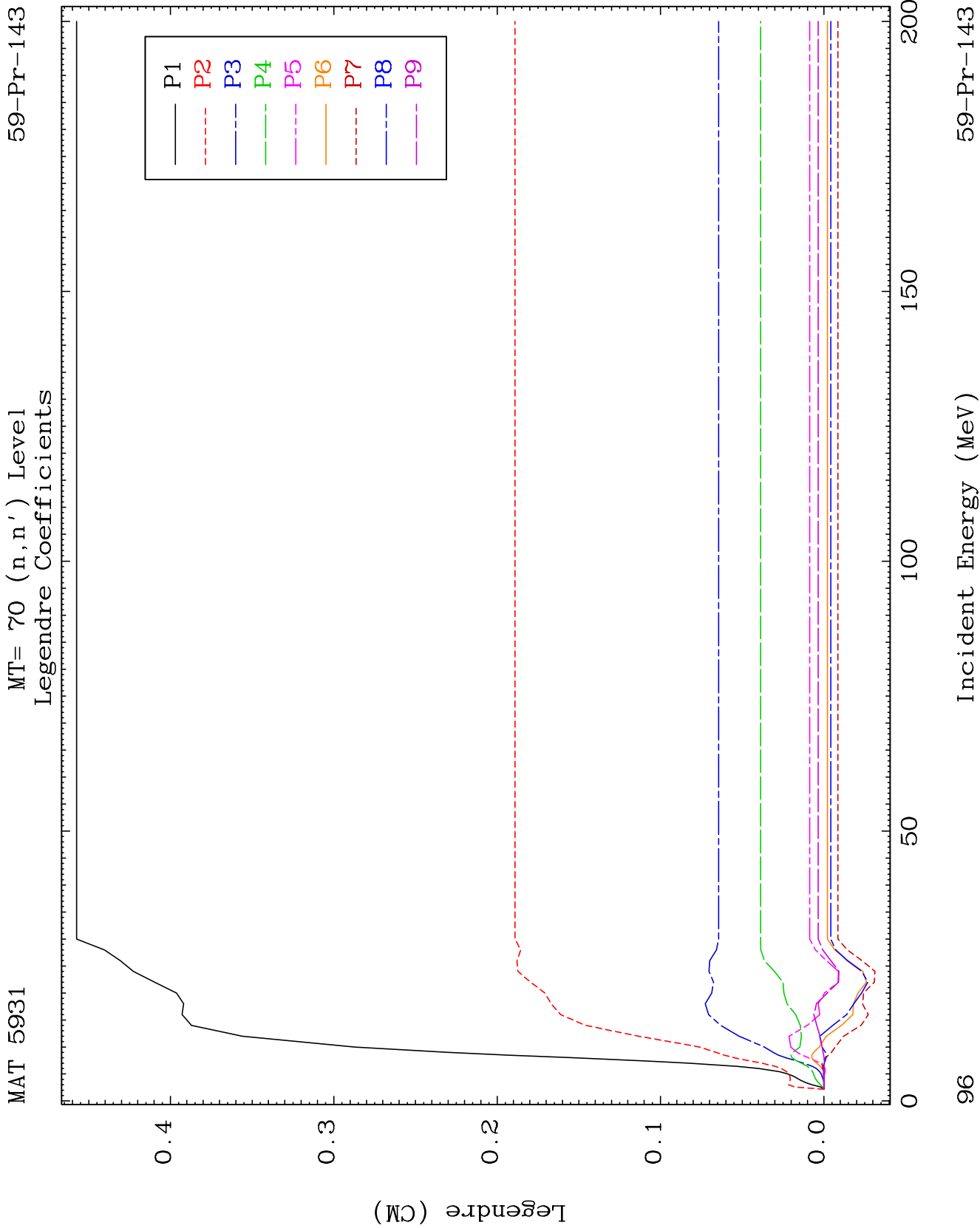


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MT= 69 (n, n') Level
Legendre Coefficients

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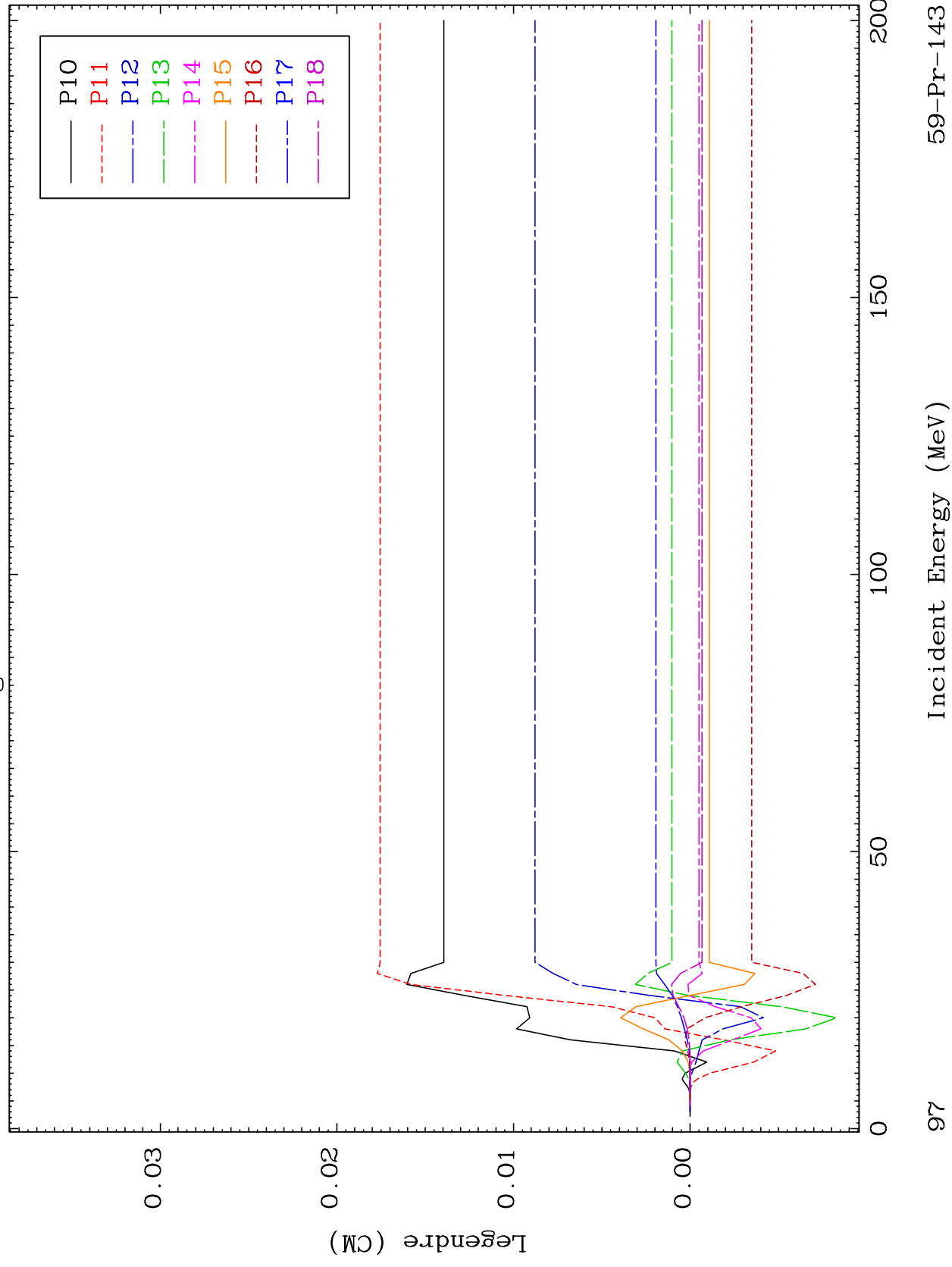


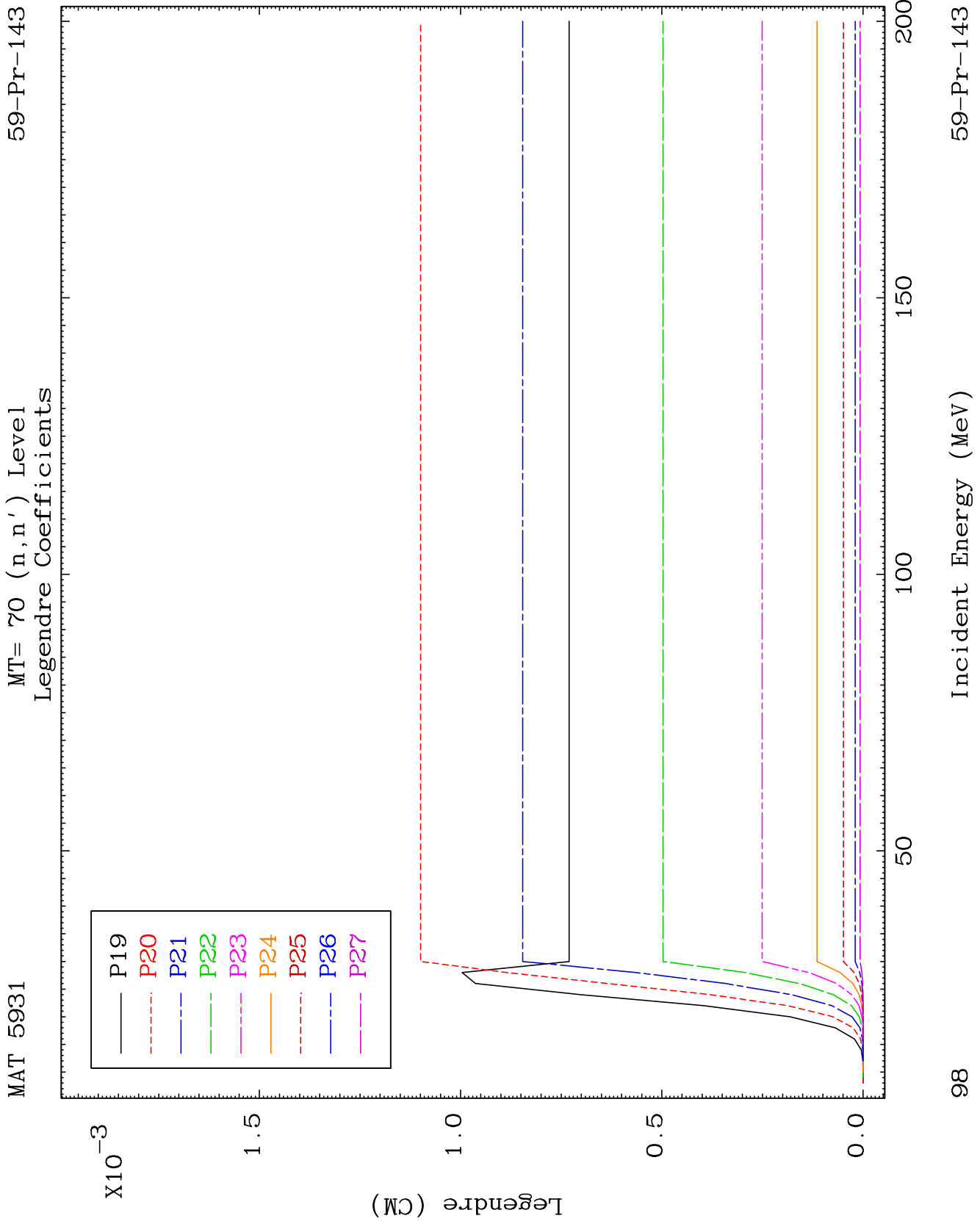


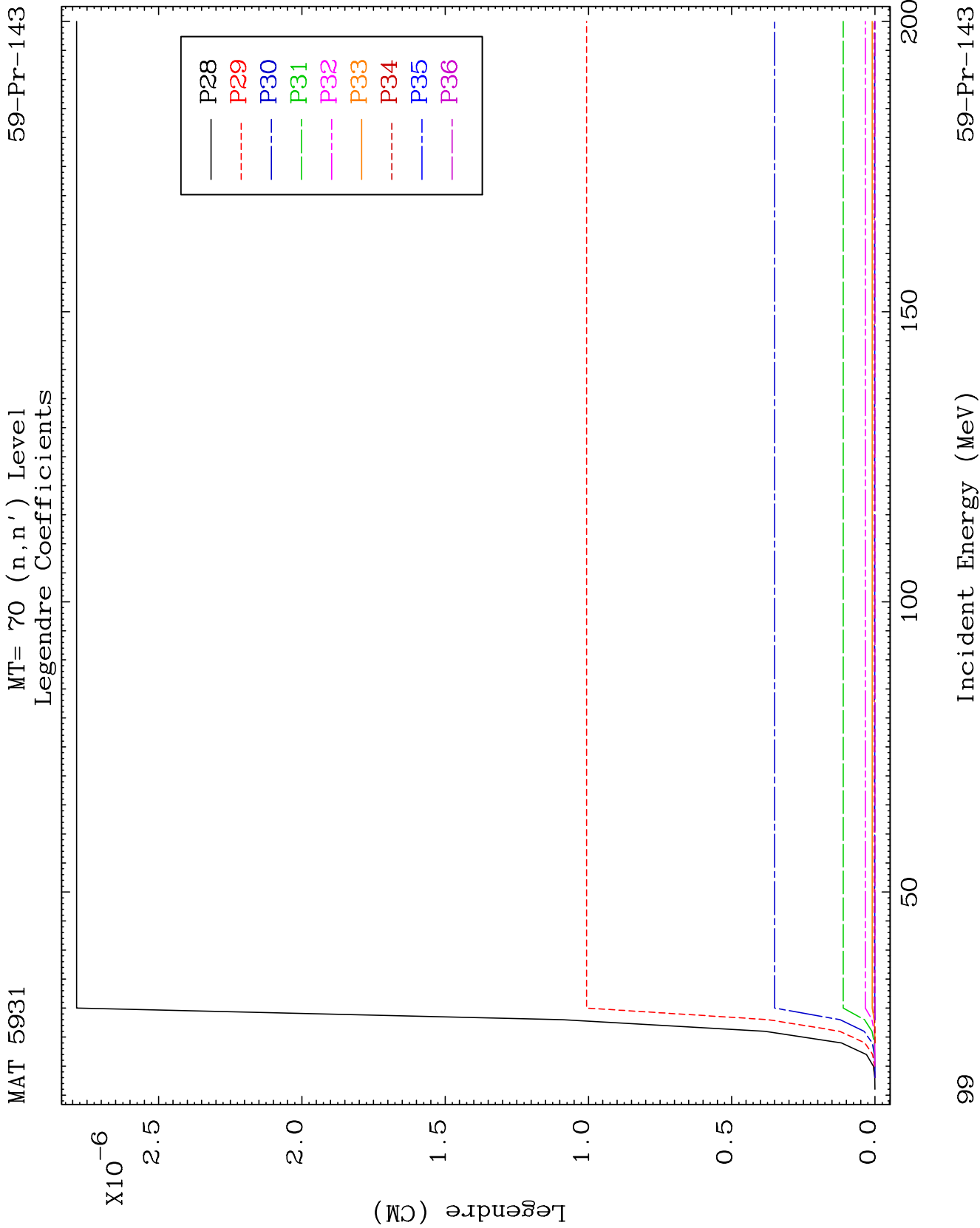
MAT 5931

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

59-Pr-143



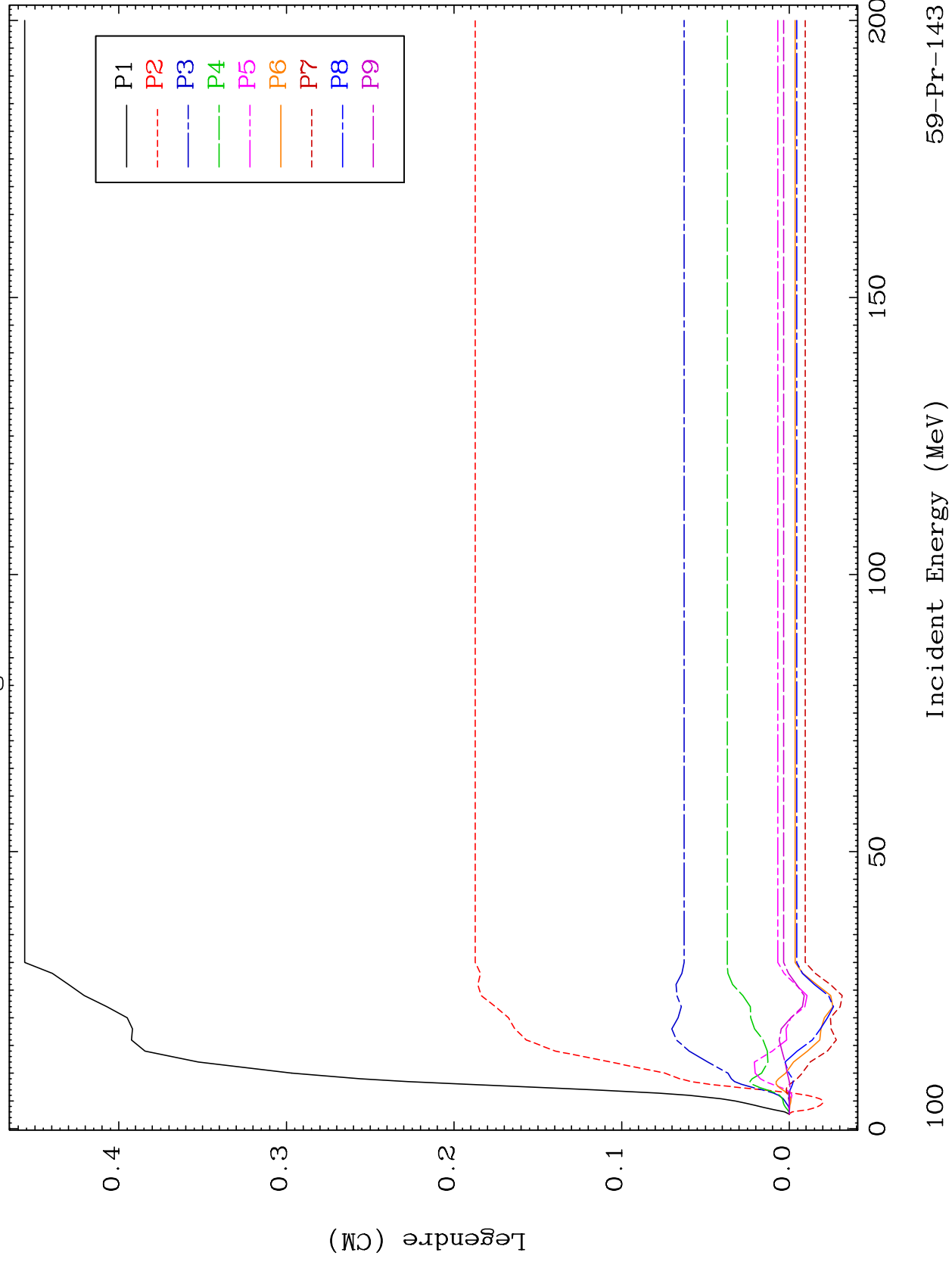




MAT 5931

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

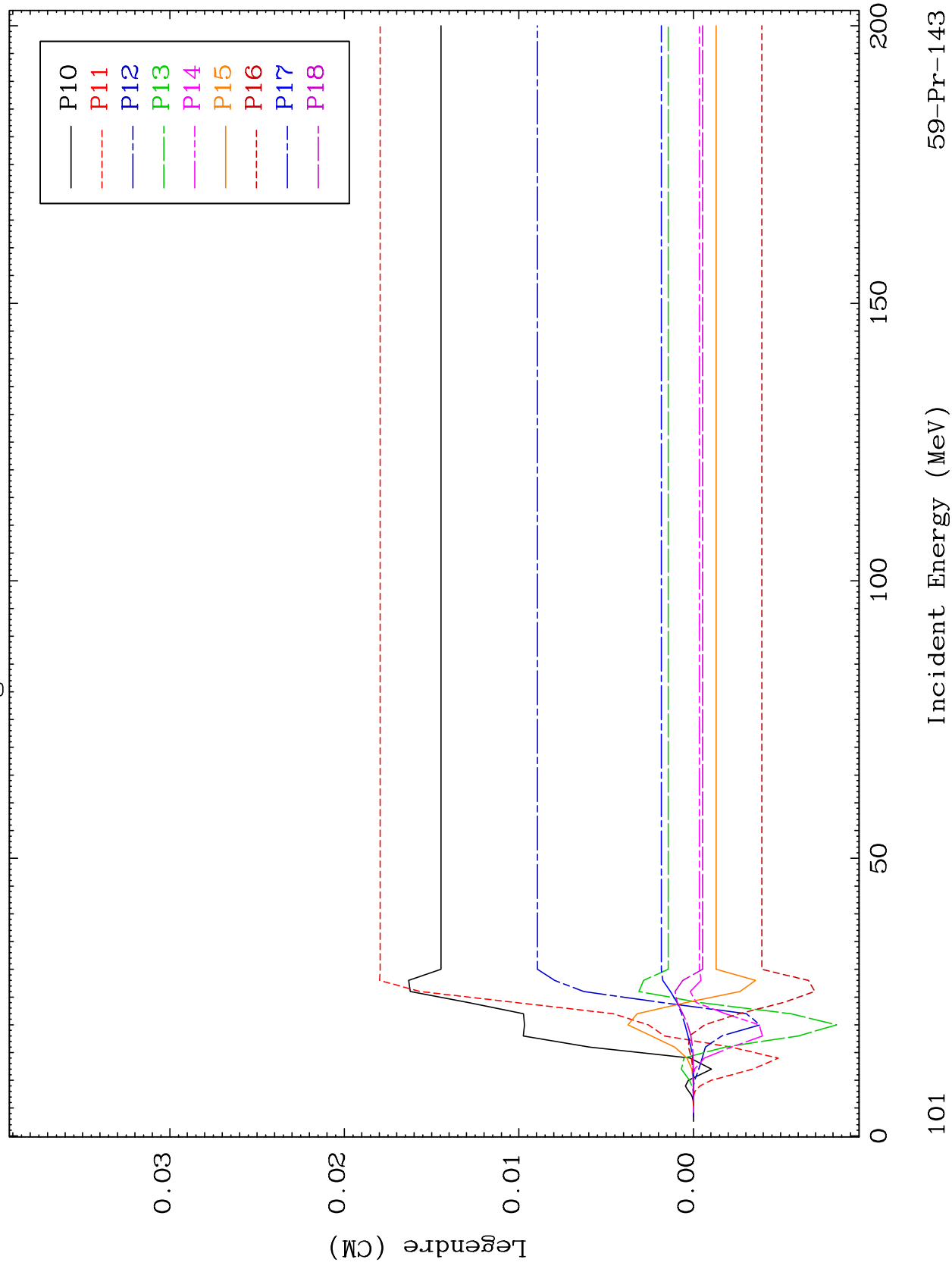
59-Pr-143

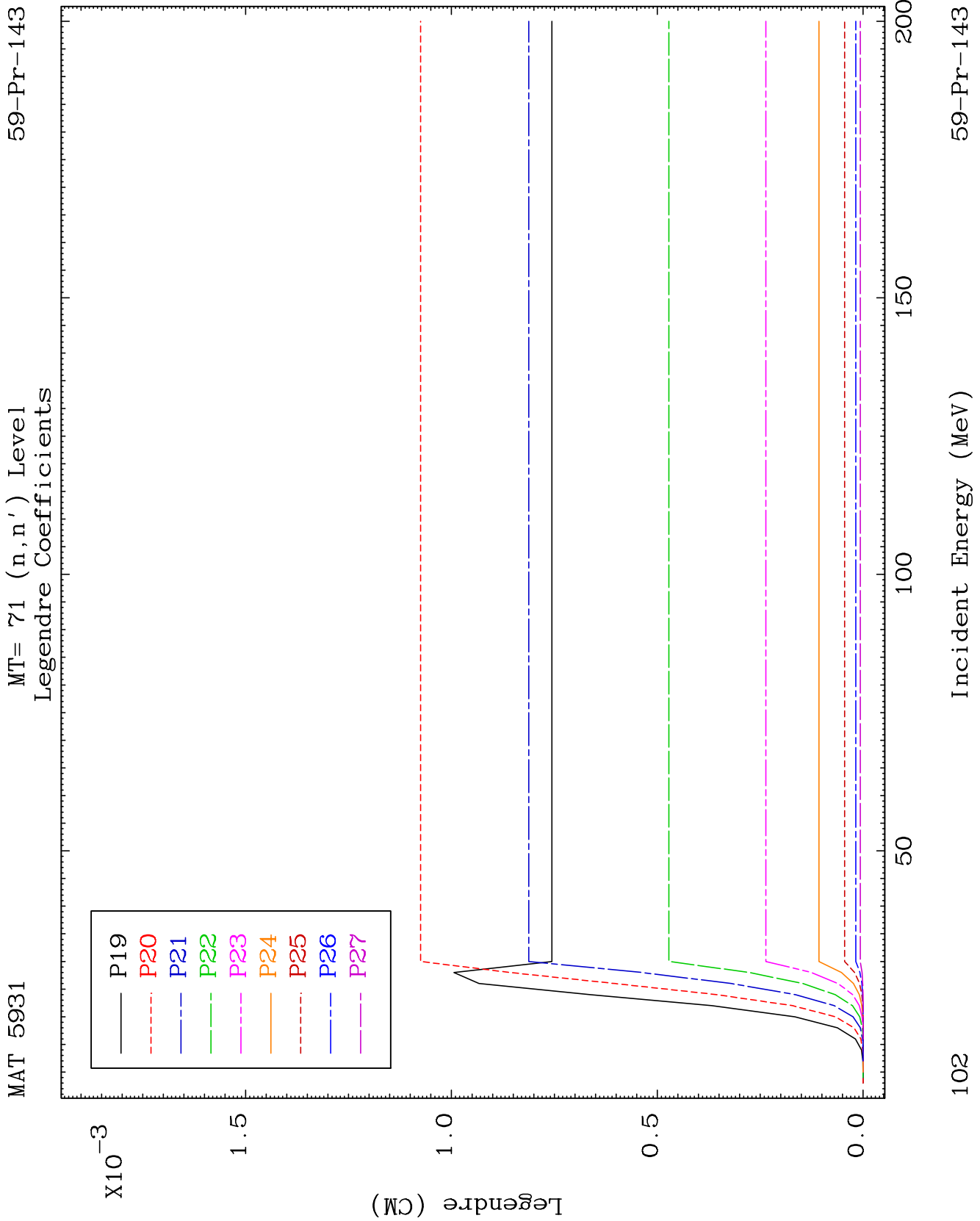


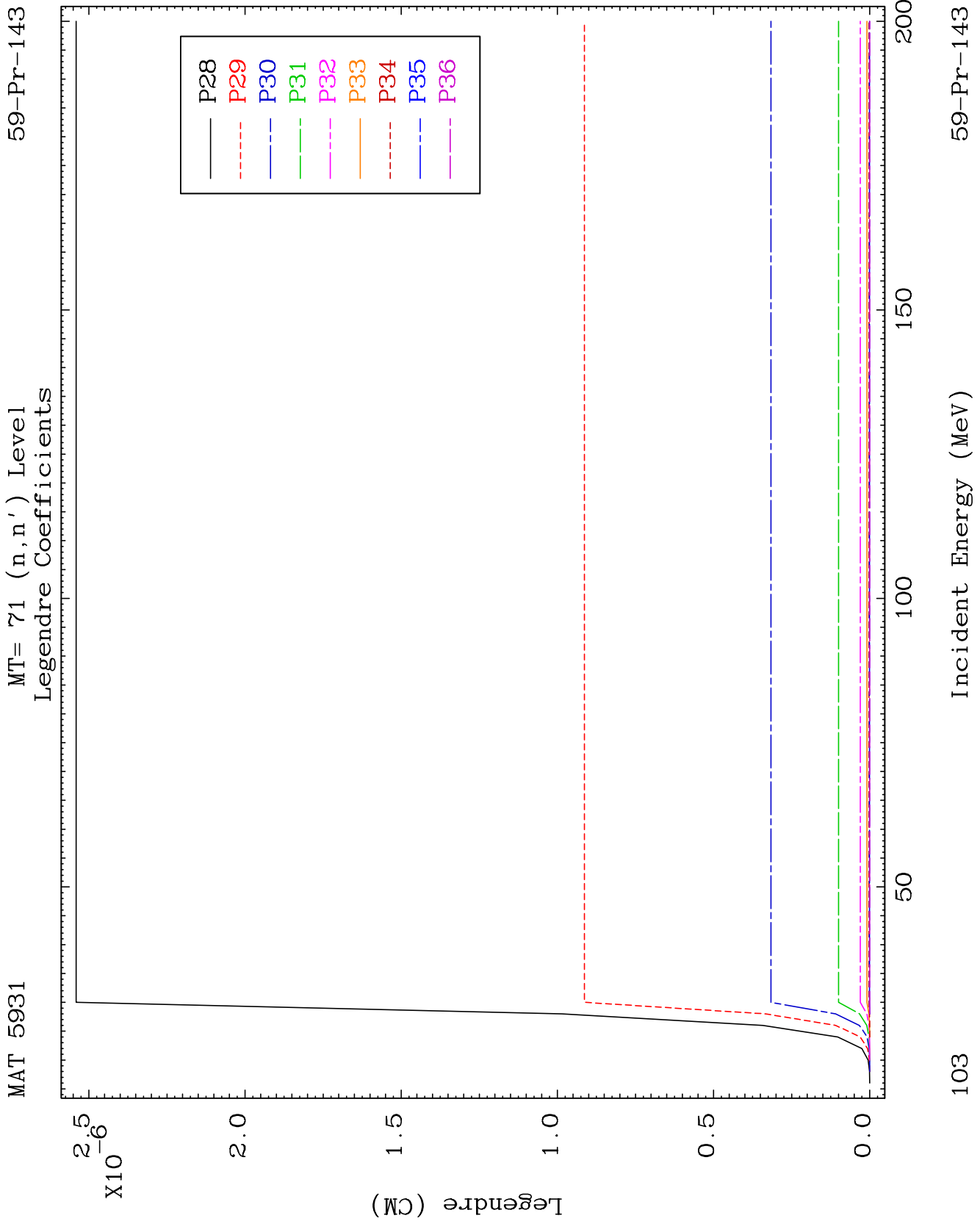
MAT 5931

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

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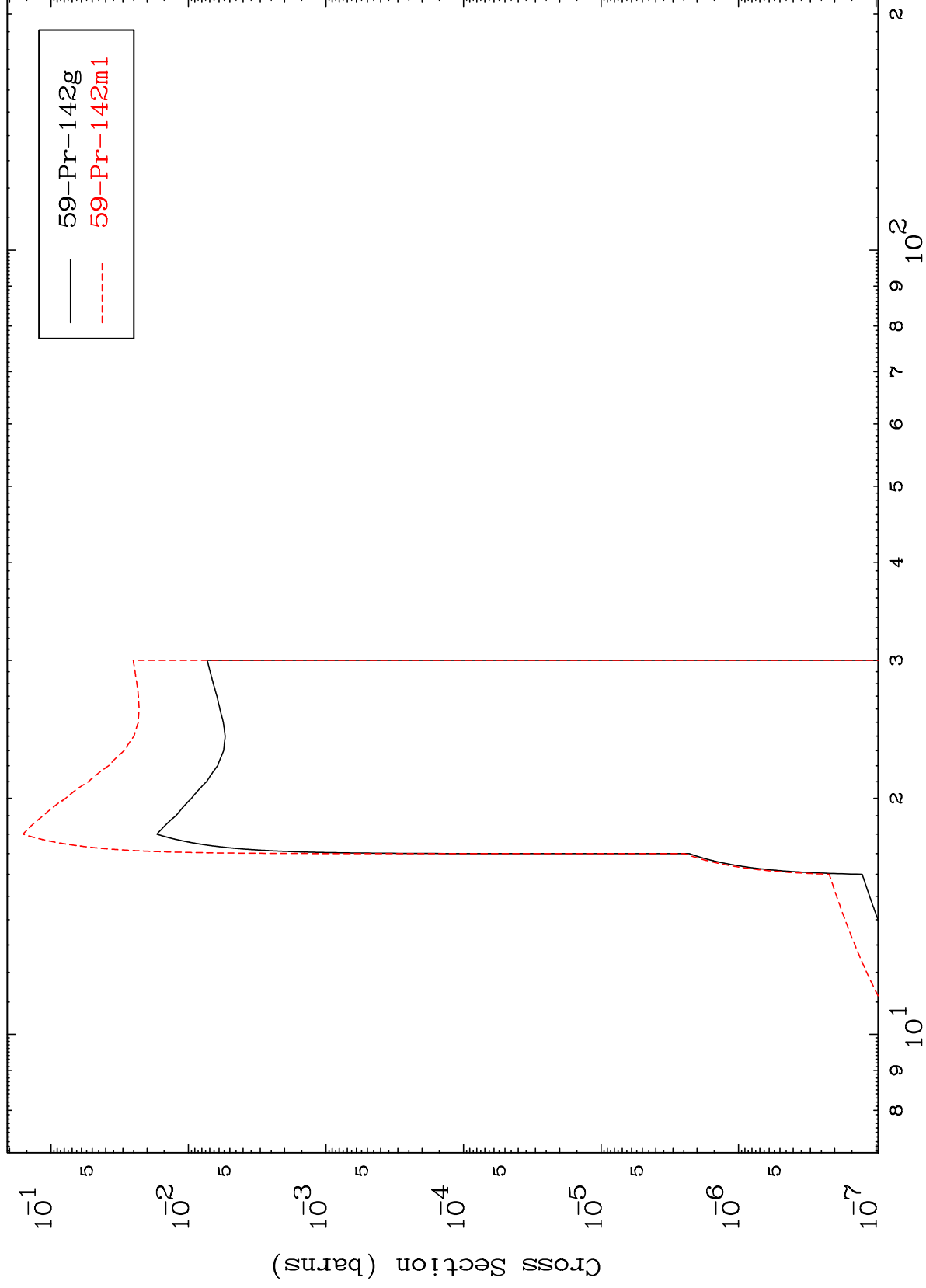




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(n,2n)
Radionuclide Production Cross Section



59-Pr-143

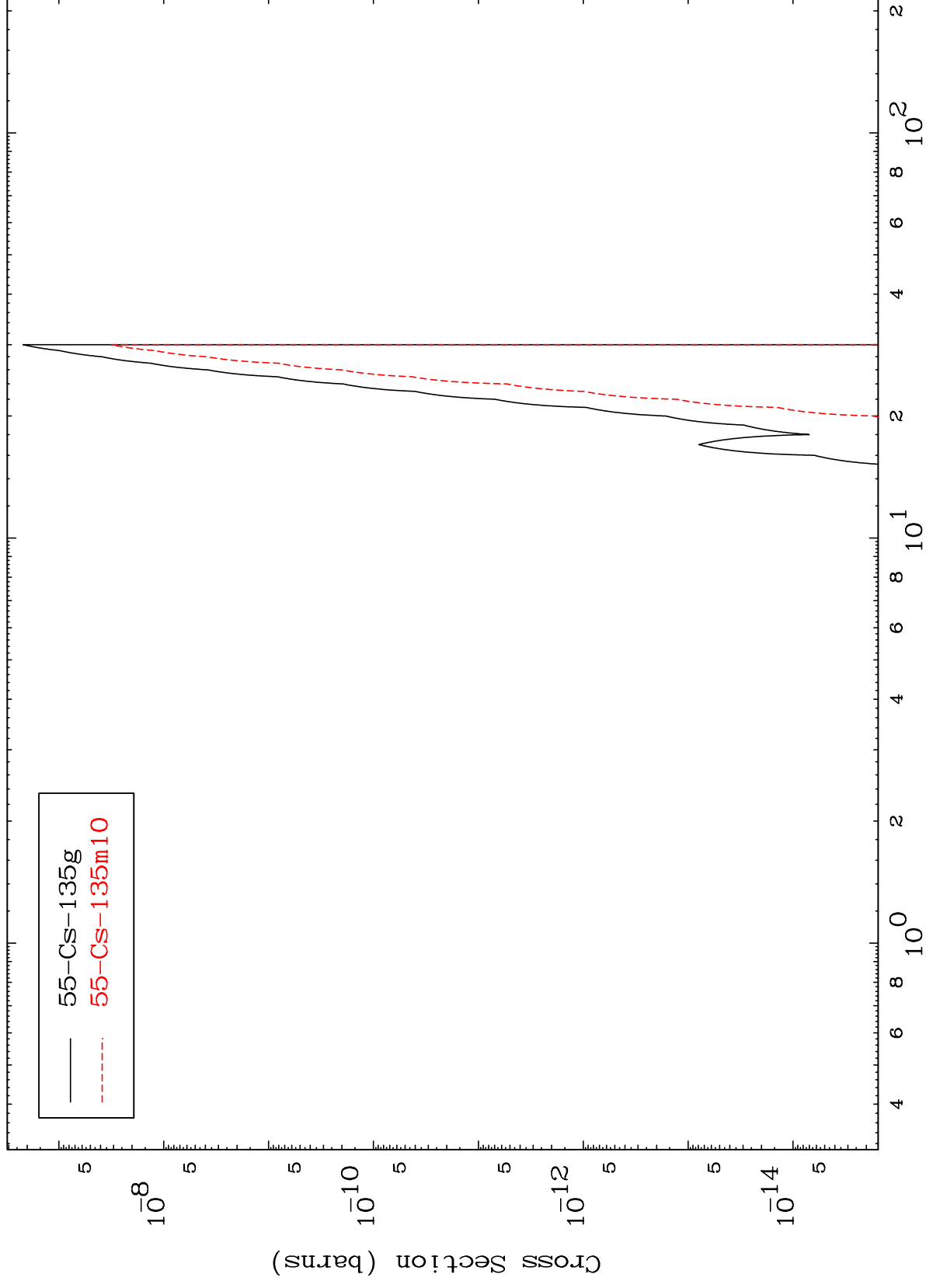
Incident Energy (MeV)

104

MAT 5931

59-Pr-143

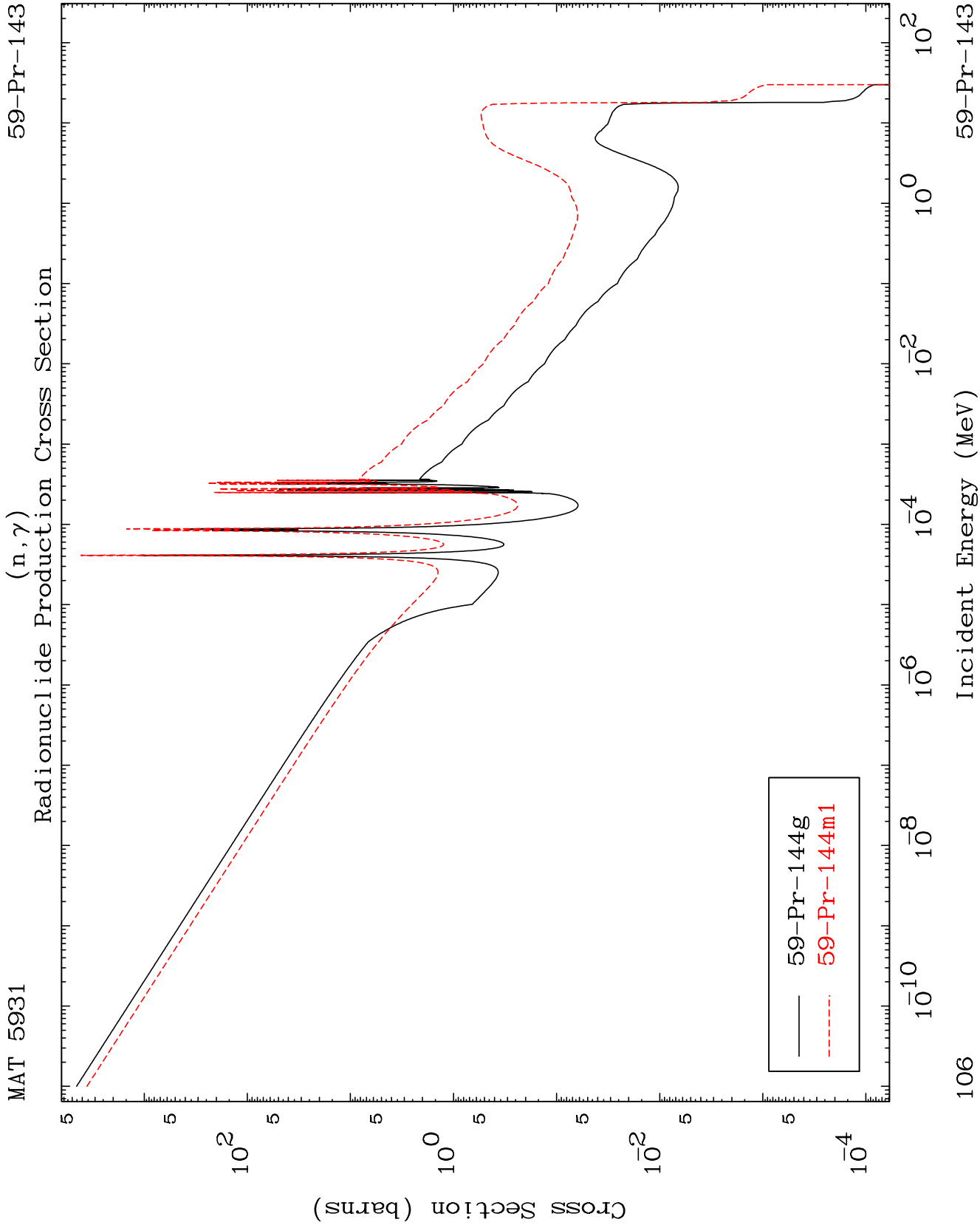
(n,n') 2 α
Radionuclide Production Cross Section



105

Incident Energy (MeV)

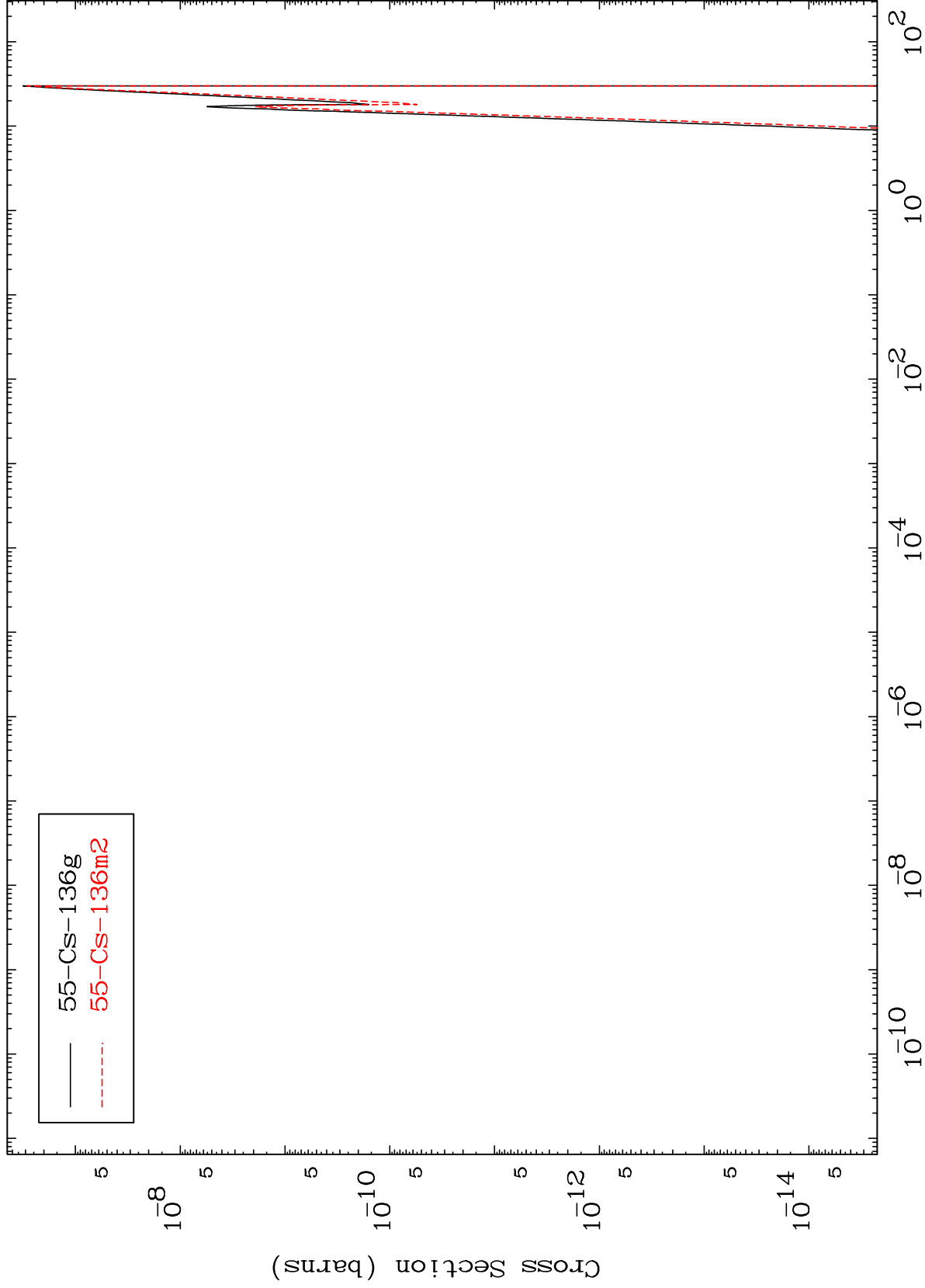
59-Pr-143



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59-Pr-143

(n,2α)
Radionuclide Production Cross Section



59-Pr-143

Incident Energy (MeV)

107