

Program EVALPLOT
(Version 2015-2)

by

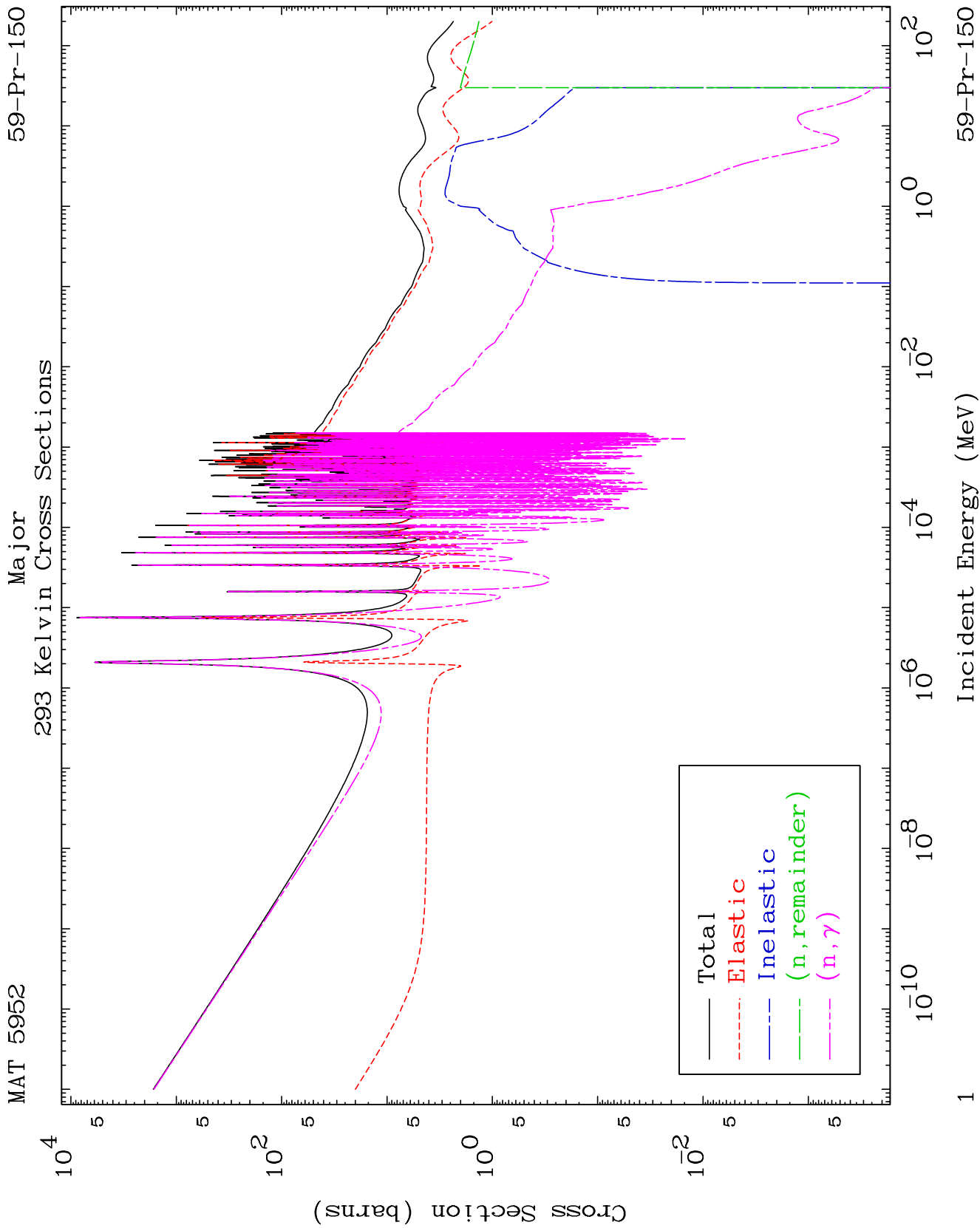
Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

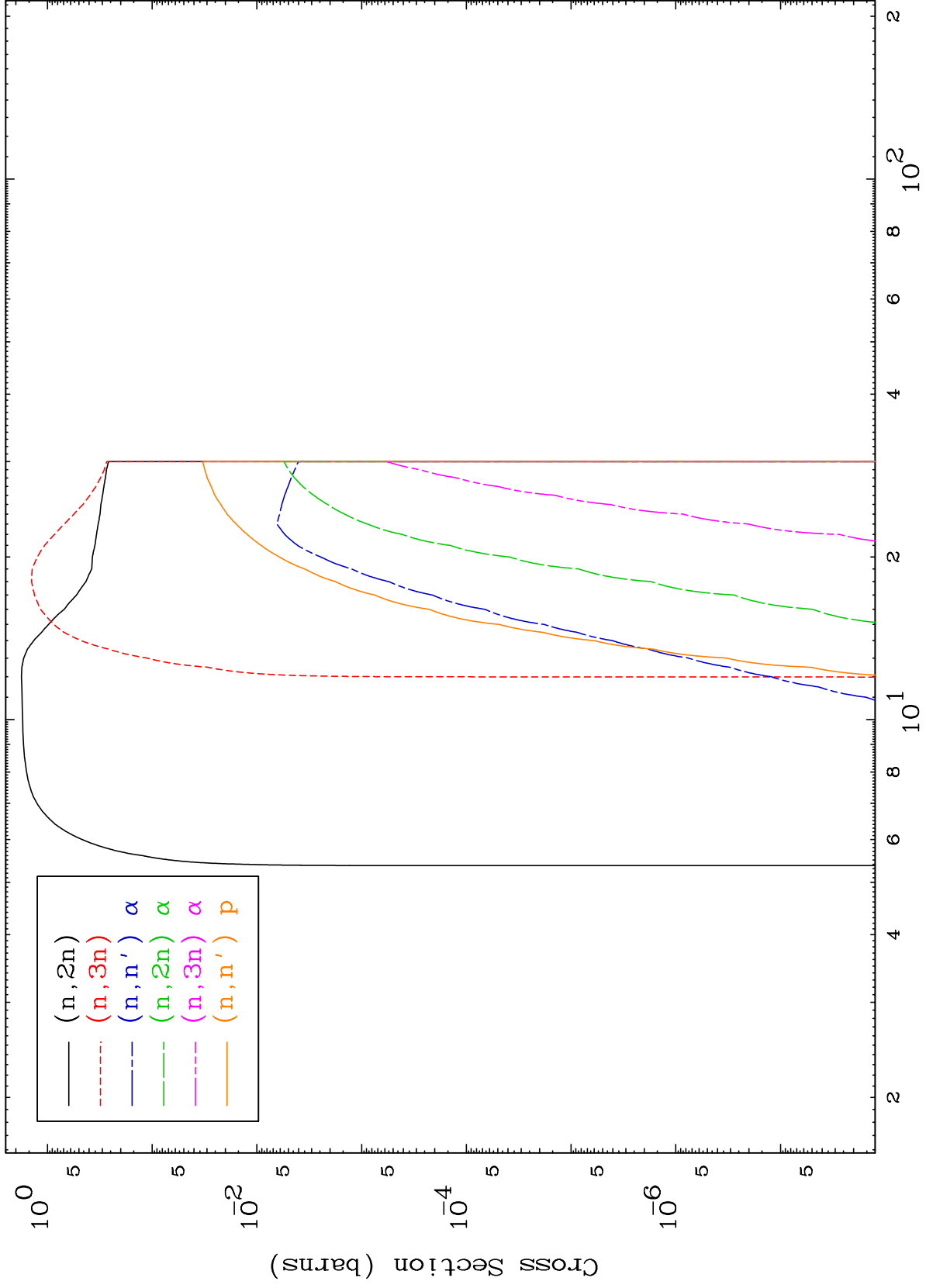
Tele: 925-443-1911

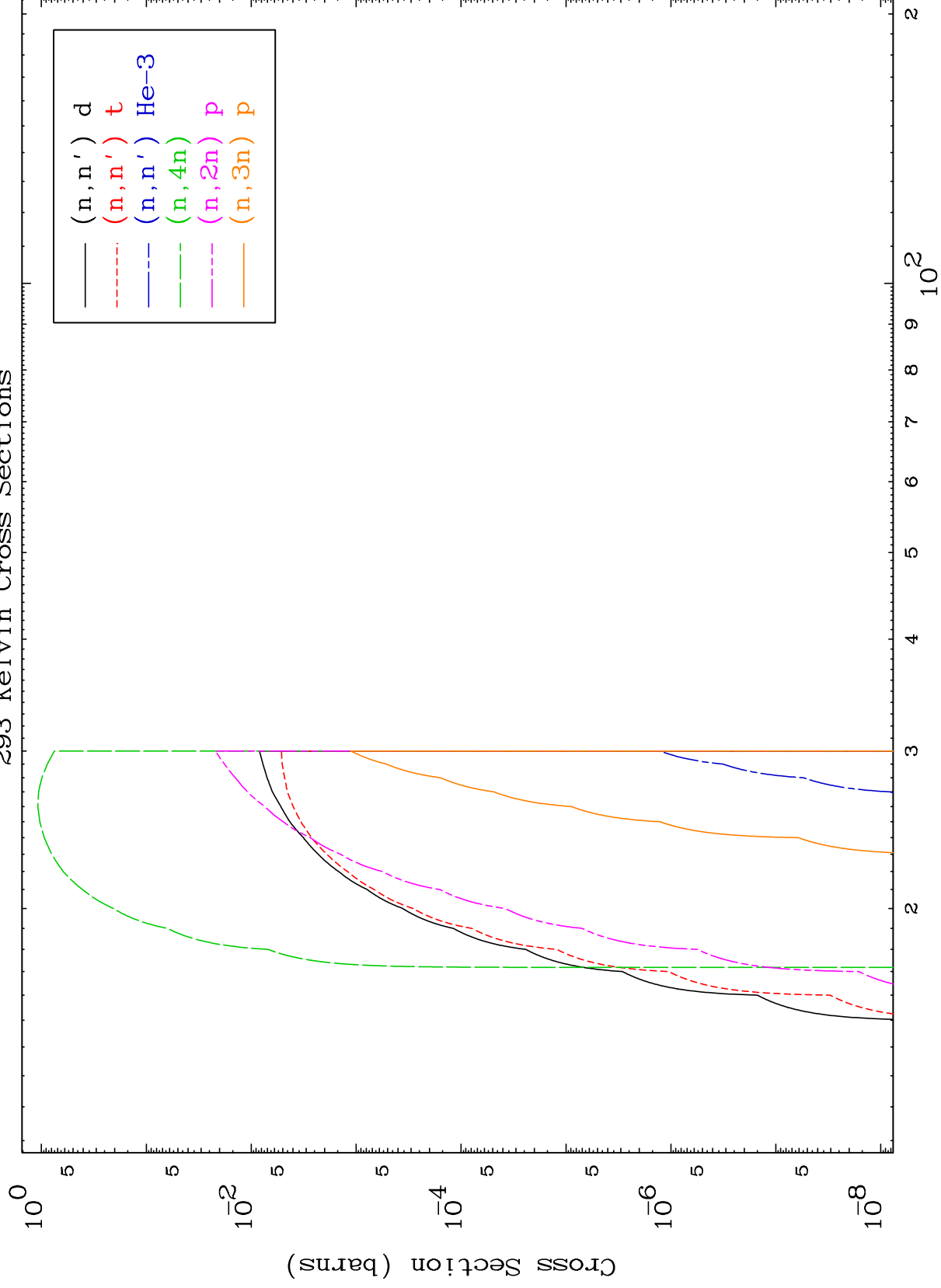
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

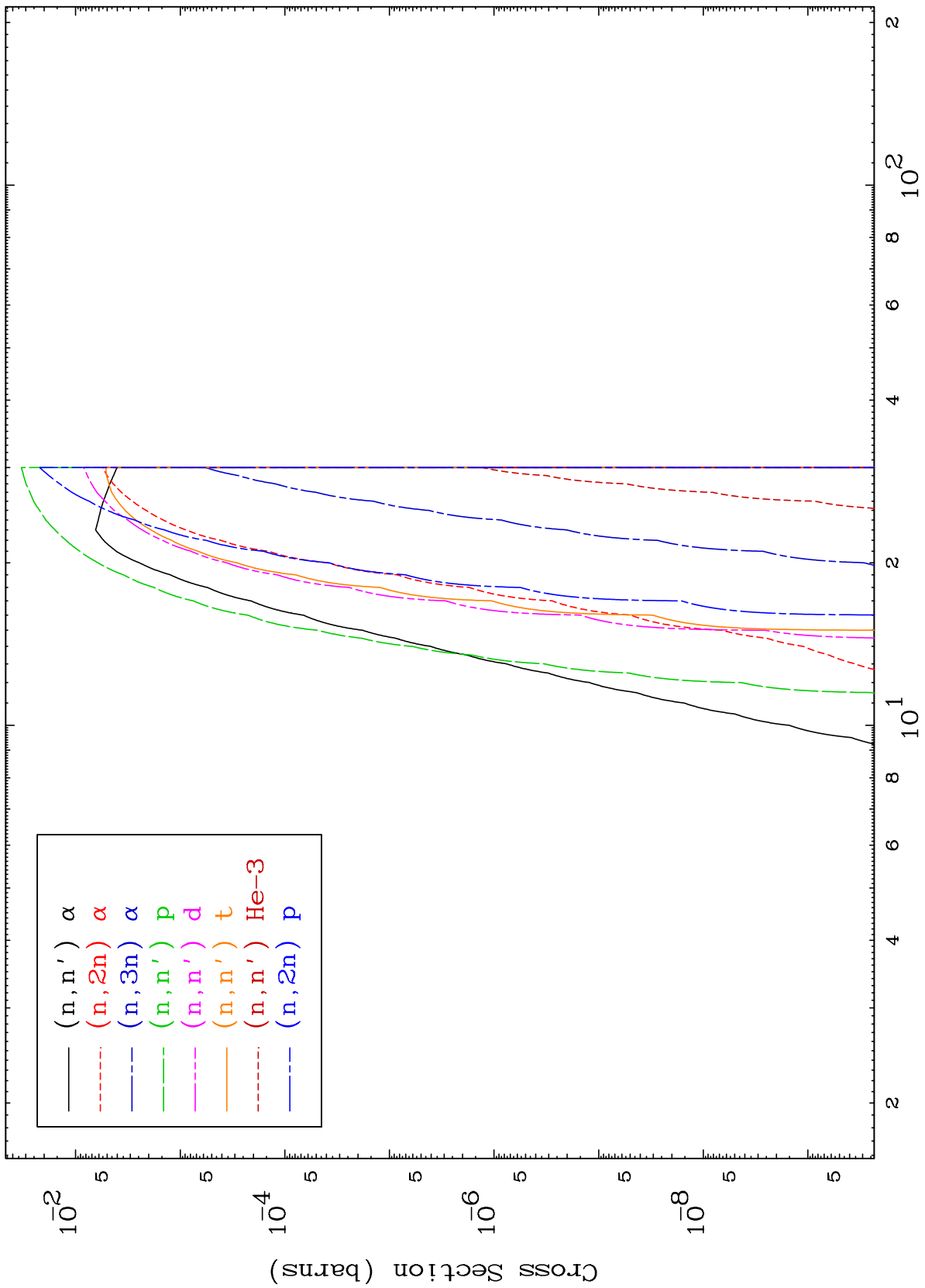
Press Mouse Button to Start



Neutron Production
293 Kelvin Cross Sections



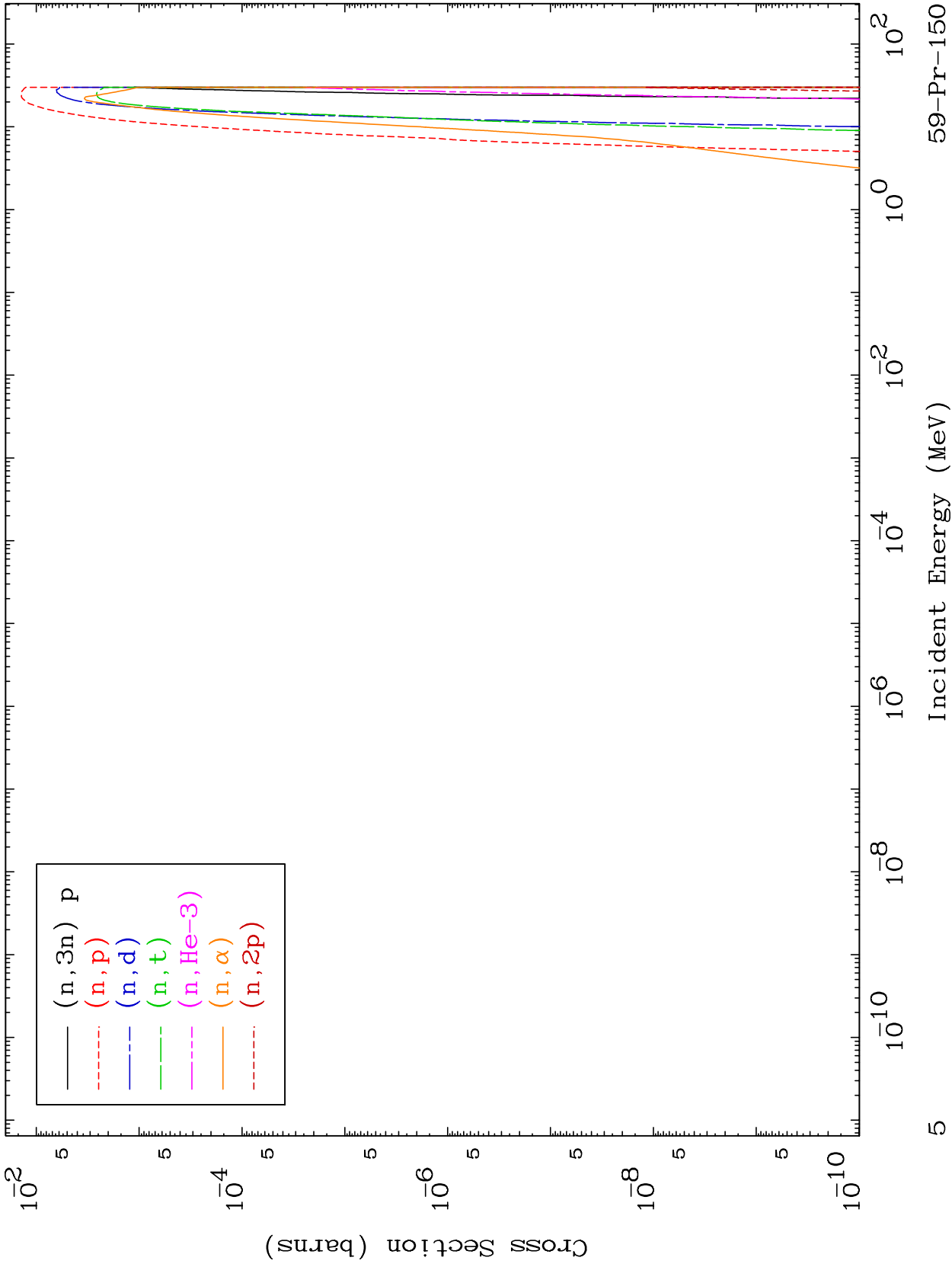




MAT 5952

Charged Particle
293 Kelvin Cross Sections

59-Pr-150

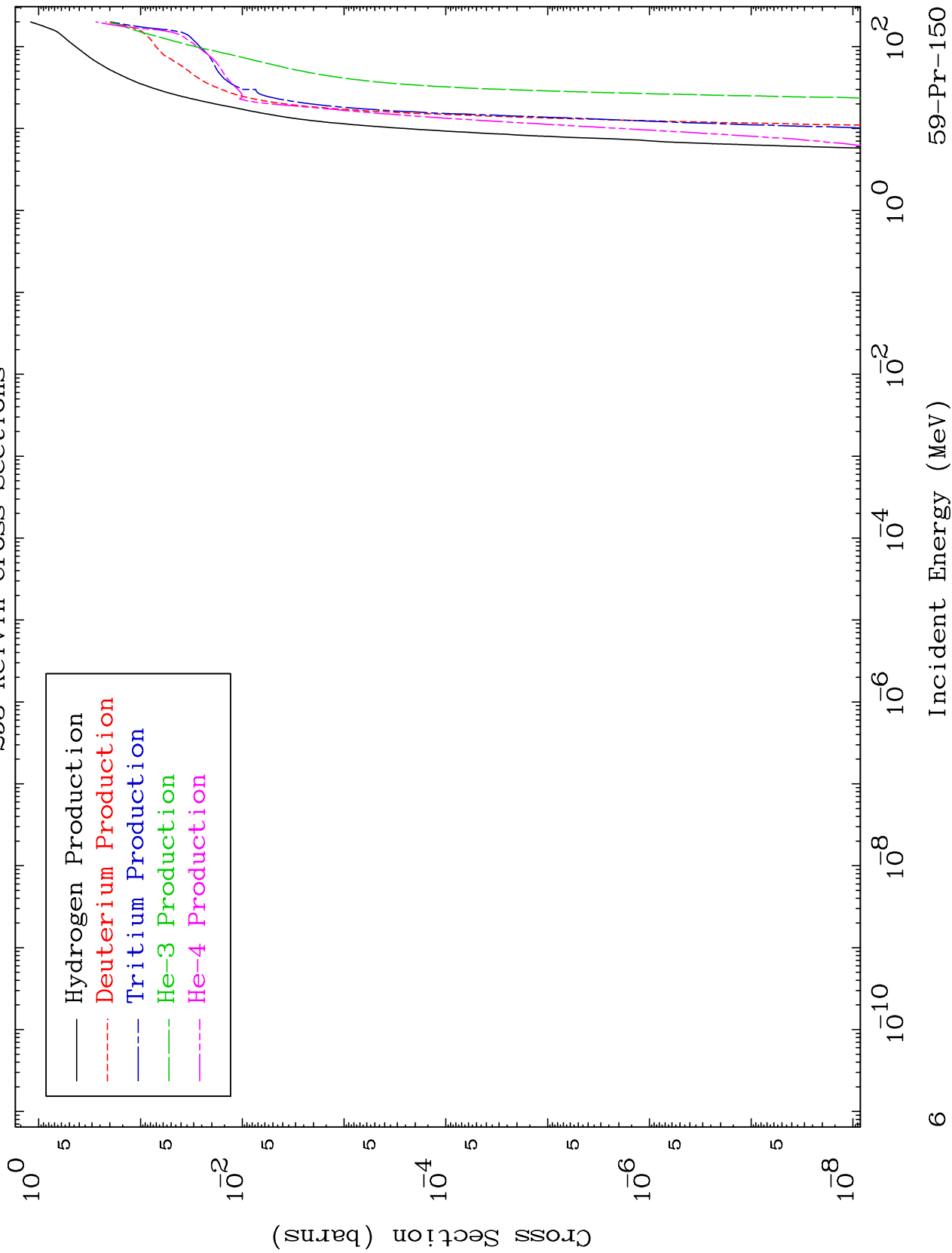


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MAT 5952

Particle Production
293 Kelvin Cross Sections

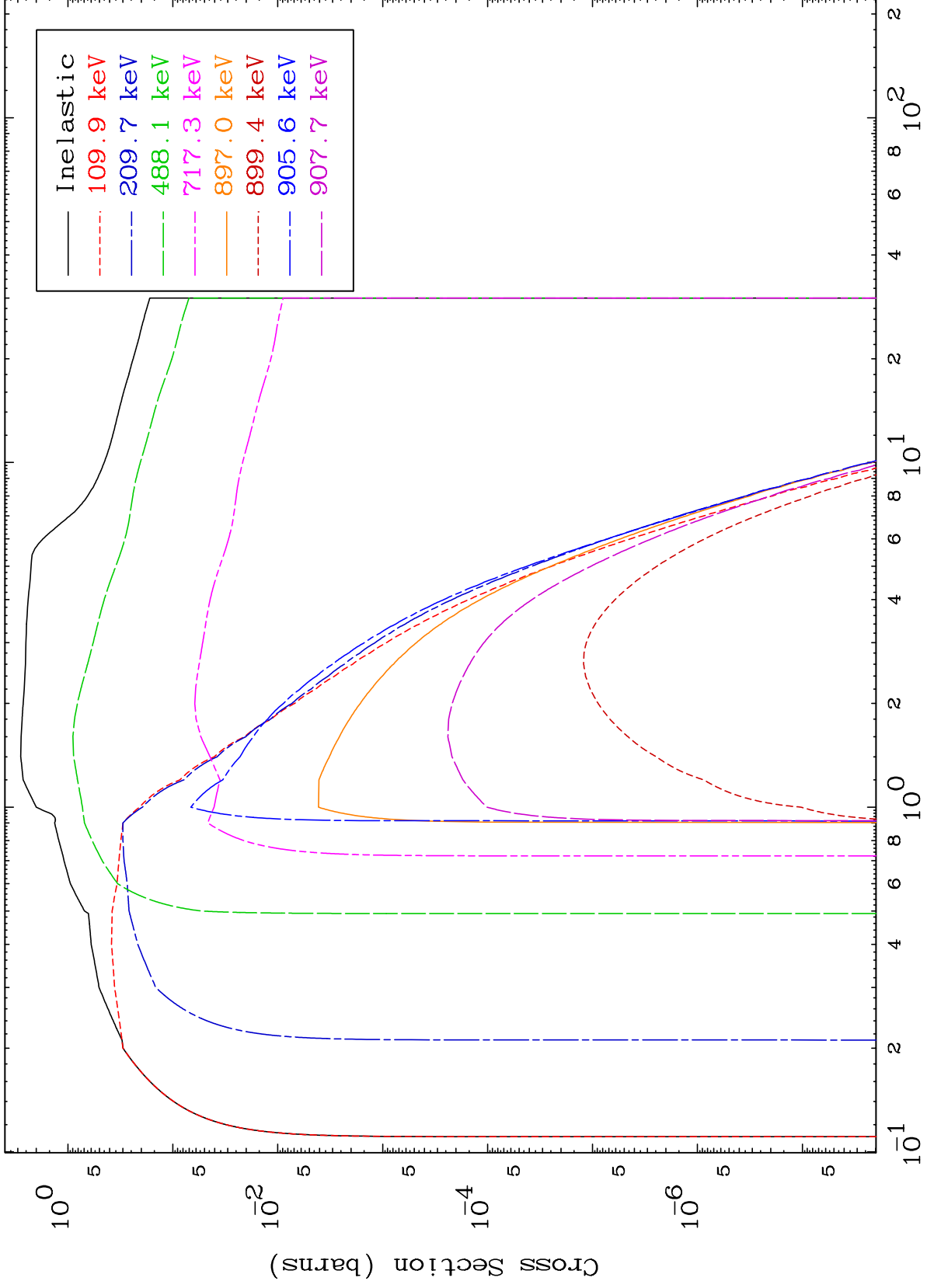
59-Pr-150



MAT 5952

(n,n') Level
293 Kelvin Cross Sections

59-Pr-150



Incident Energy (MeV)

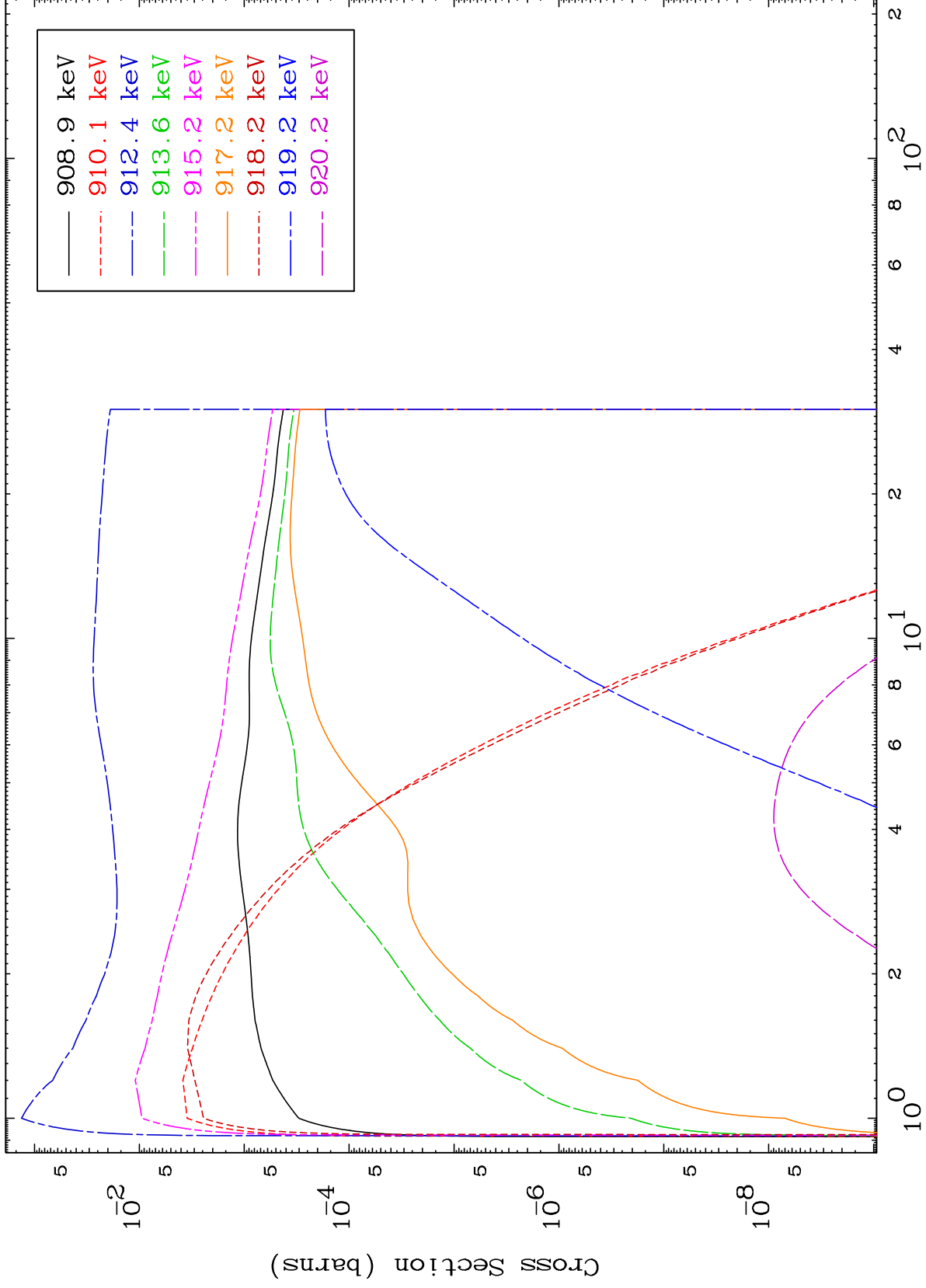
59-Pr-150

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MAT 5952

(n,n') Level
293 Kelvin Cross Sections

59-Pr-150



Incident Energy (MeV)

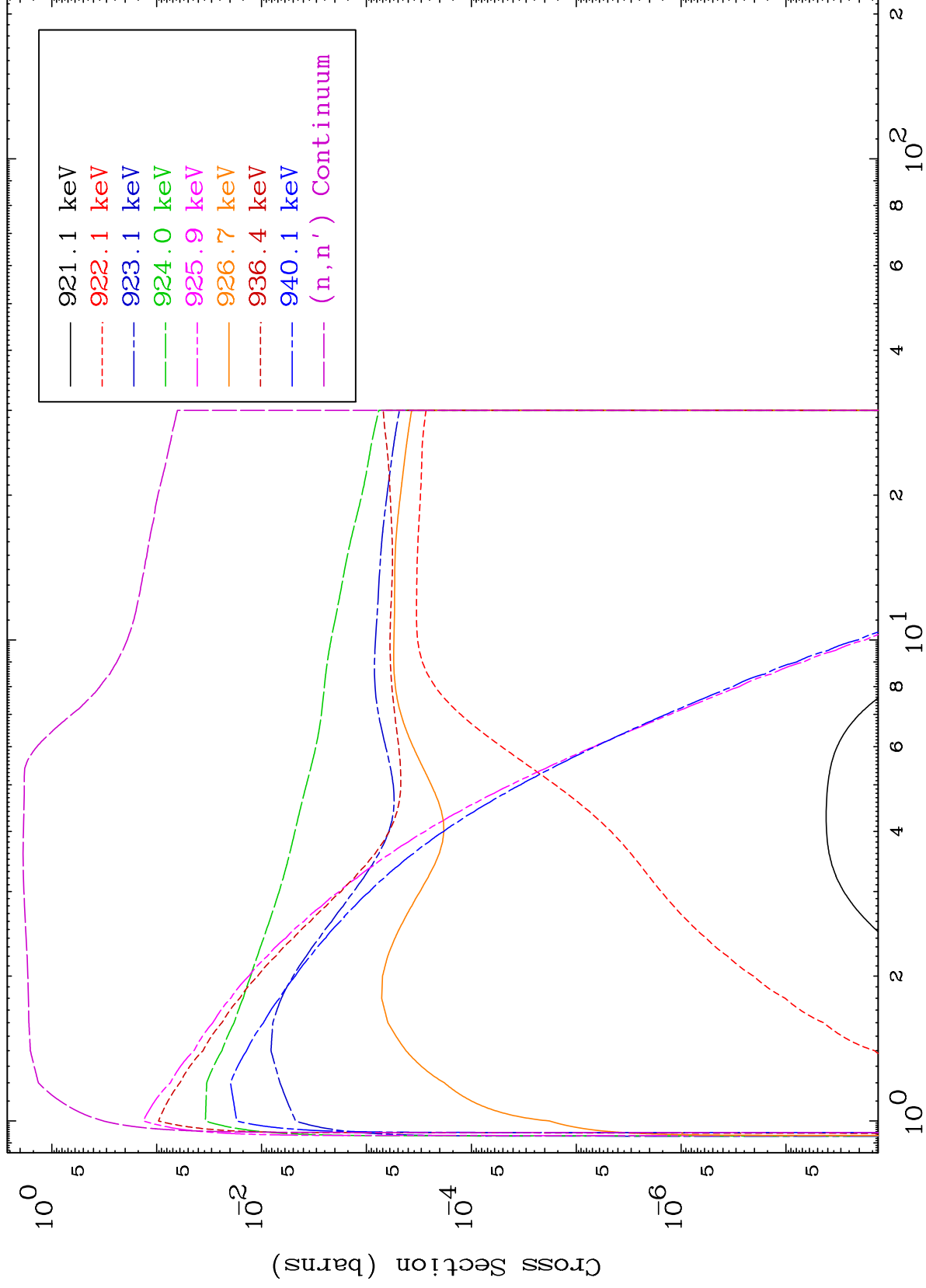
59-Pr-150

MAT 5952

(n,n') Level

59-Pr-150

293 Kelvin Cross Sections



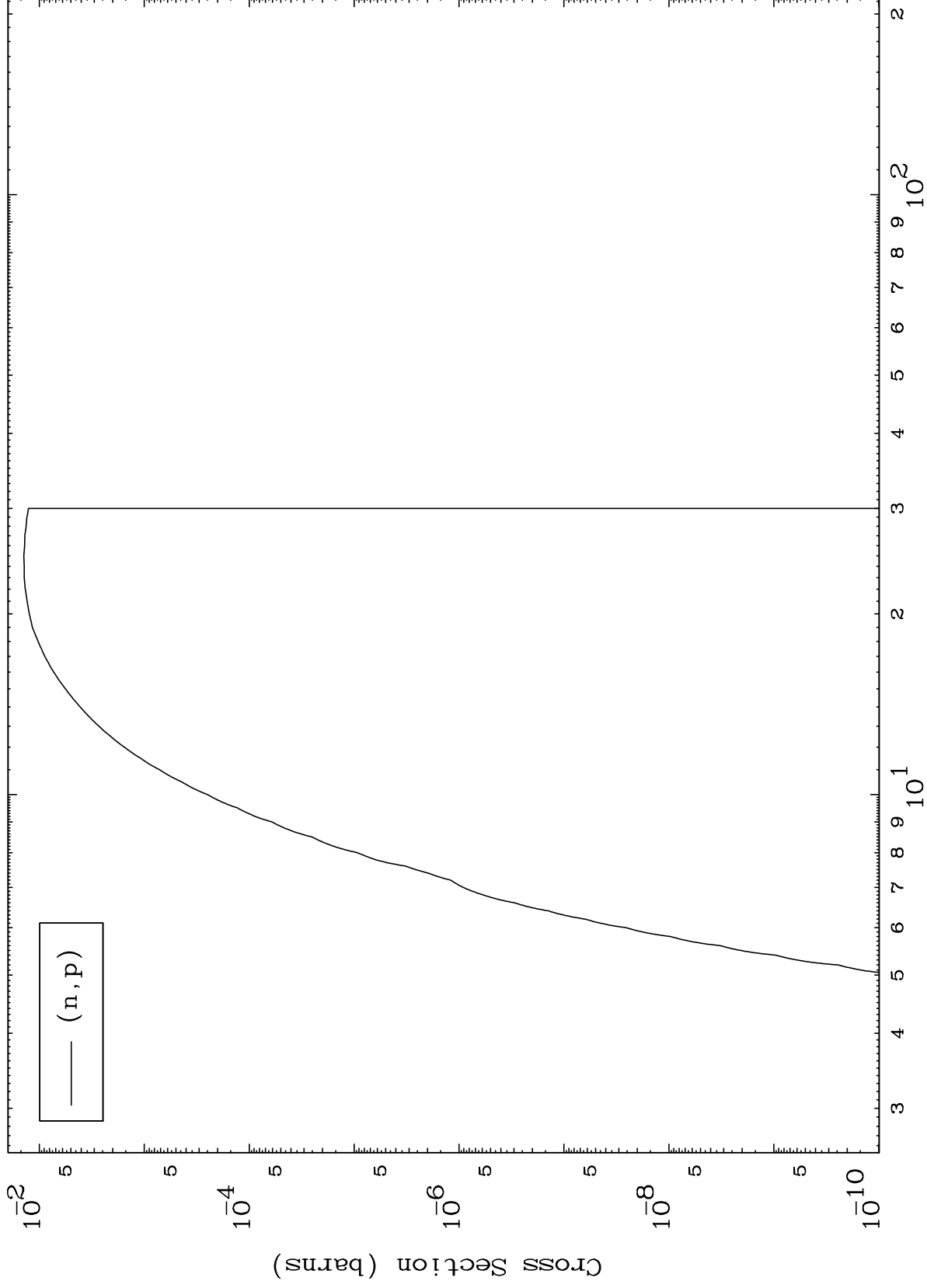
Incident Energy (MeV)

59-Pr-150

MAT 5952

(n,p) Levels
293 Kelvin Cross Sections

59-Pr-150



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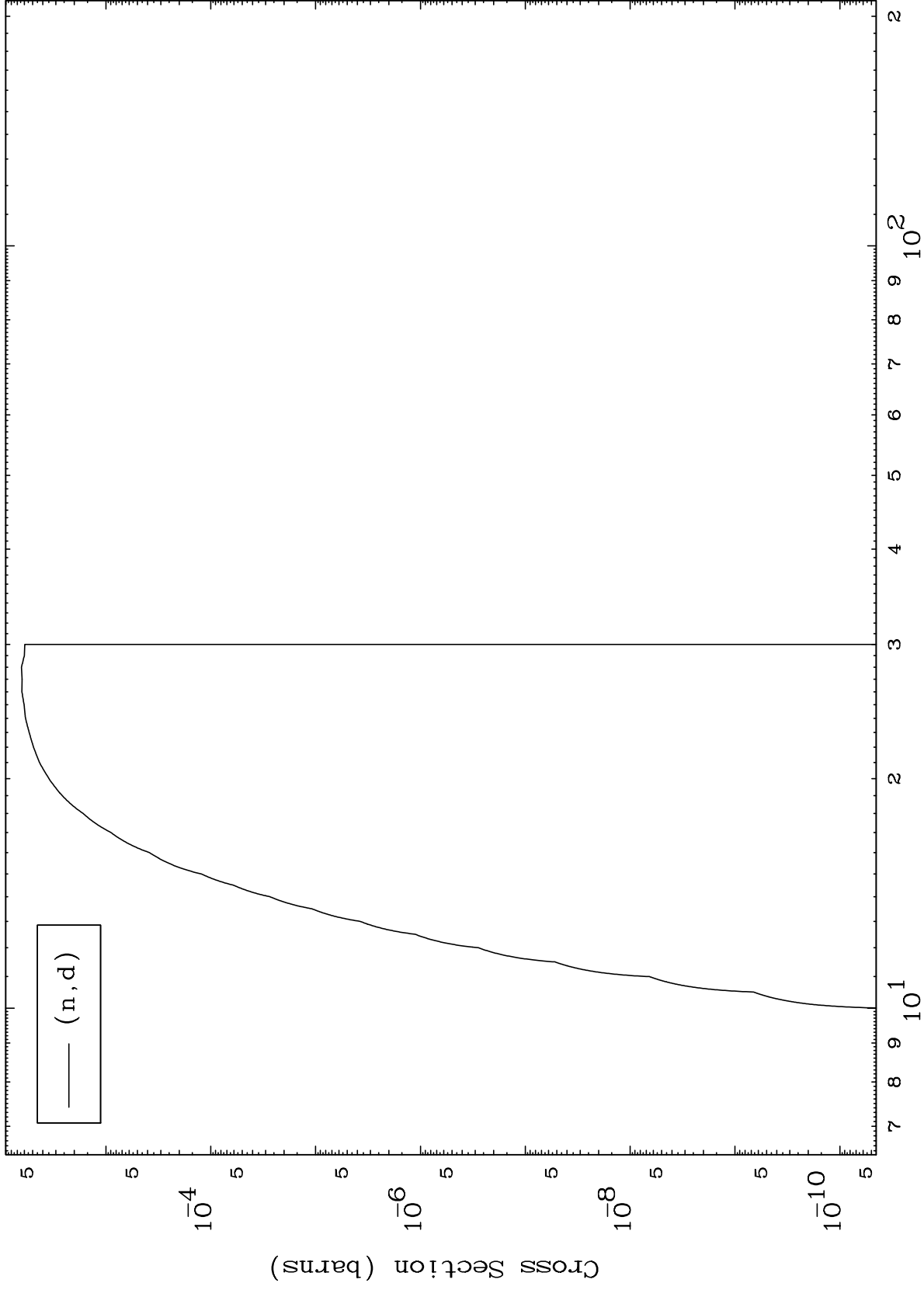
Incident Energy (MeV)

59-Pr-150

MAT 5952

(n,d) Levels
293 Kelvin Cross Sections

59-Pr-150



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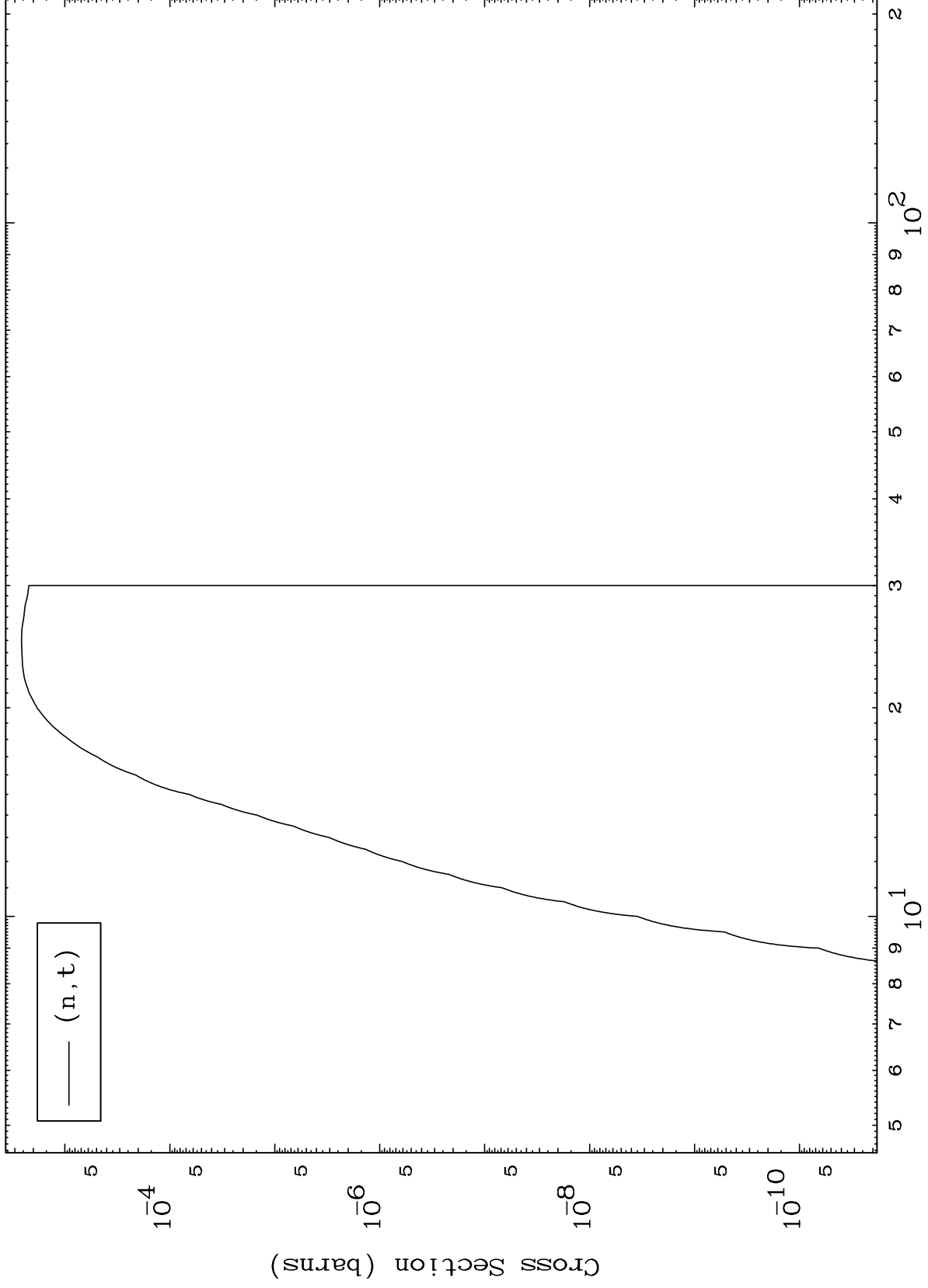
Incident Energy (MeV)

59-Pr-150

MAT 5952

(n,t) Levels
293 Kelvin Cross Sections

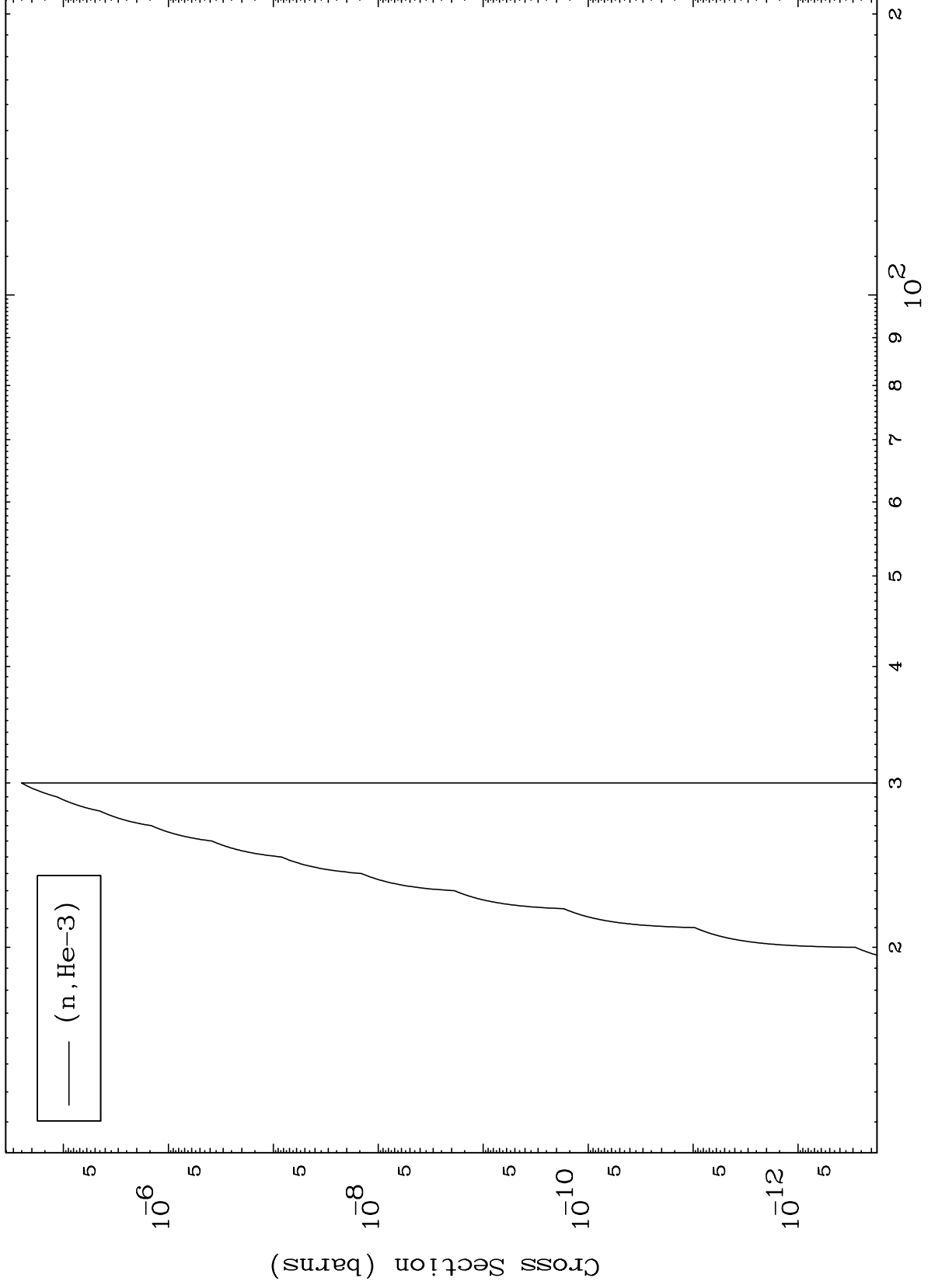
59-Pr-150



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Incident Energy (MeV)

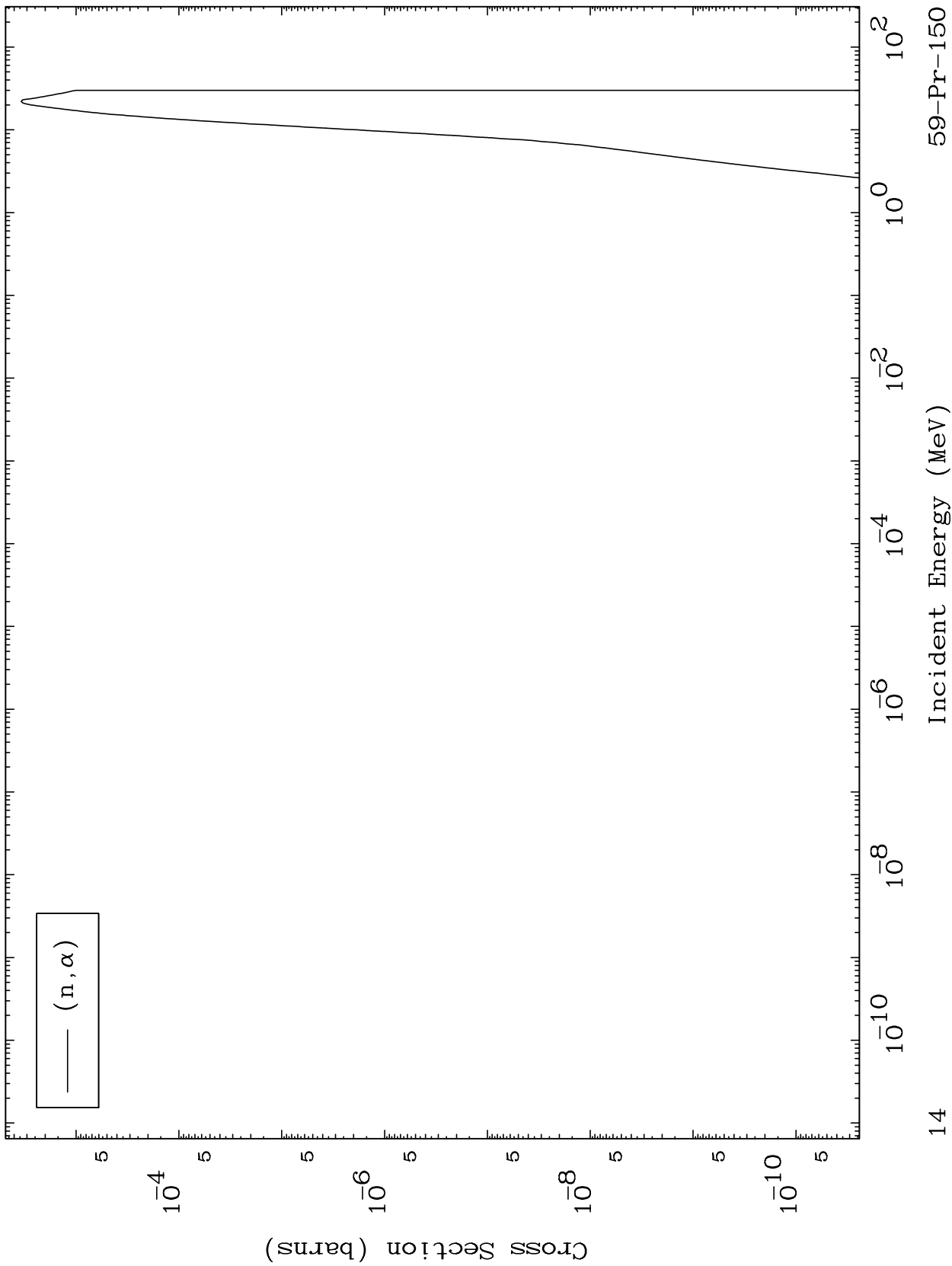
59-Pr-150

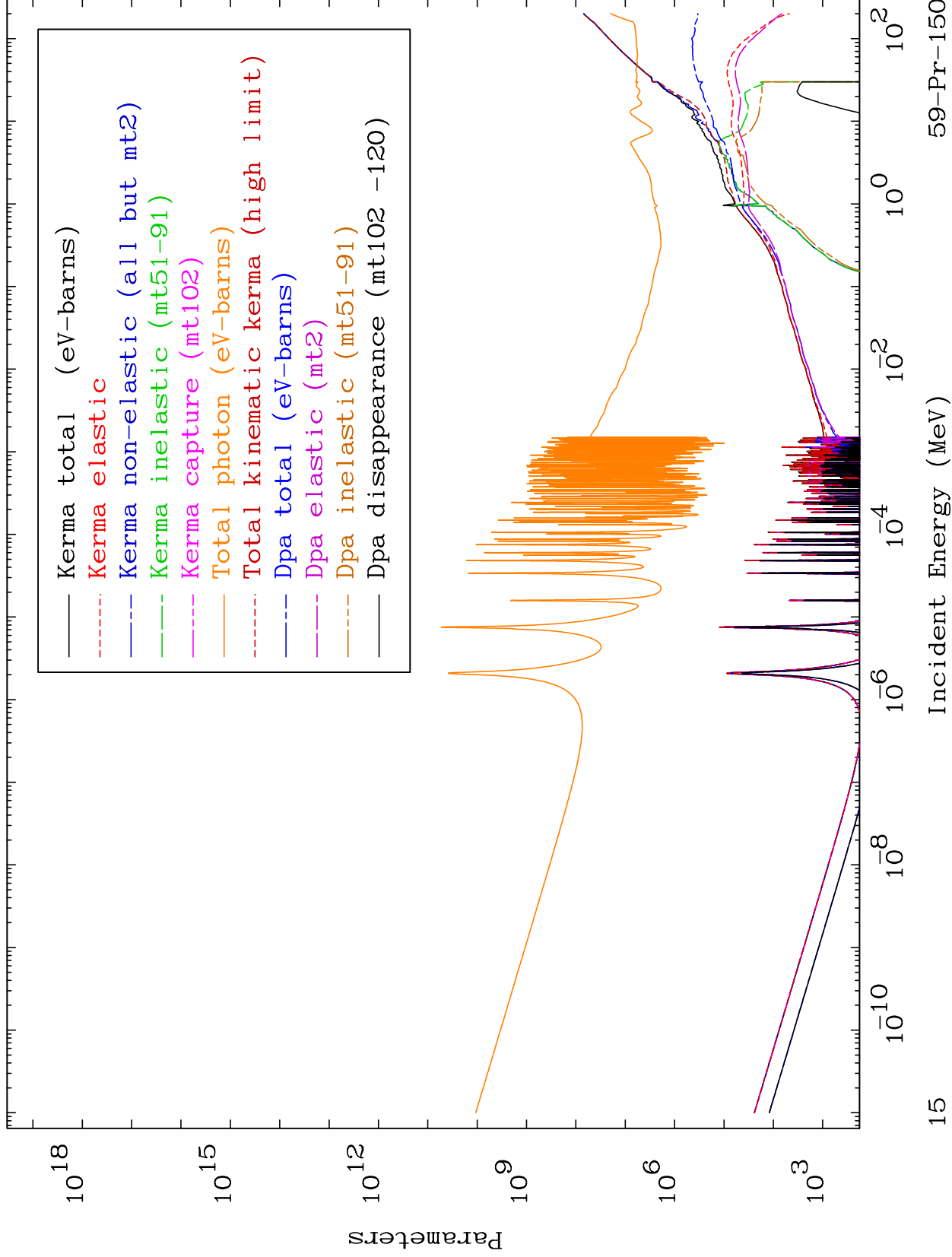


MAT 5952

(n, α) Levels
293 Kelvin Cross Sections

59-Pr-150

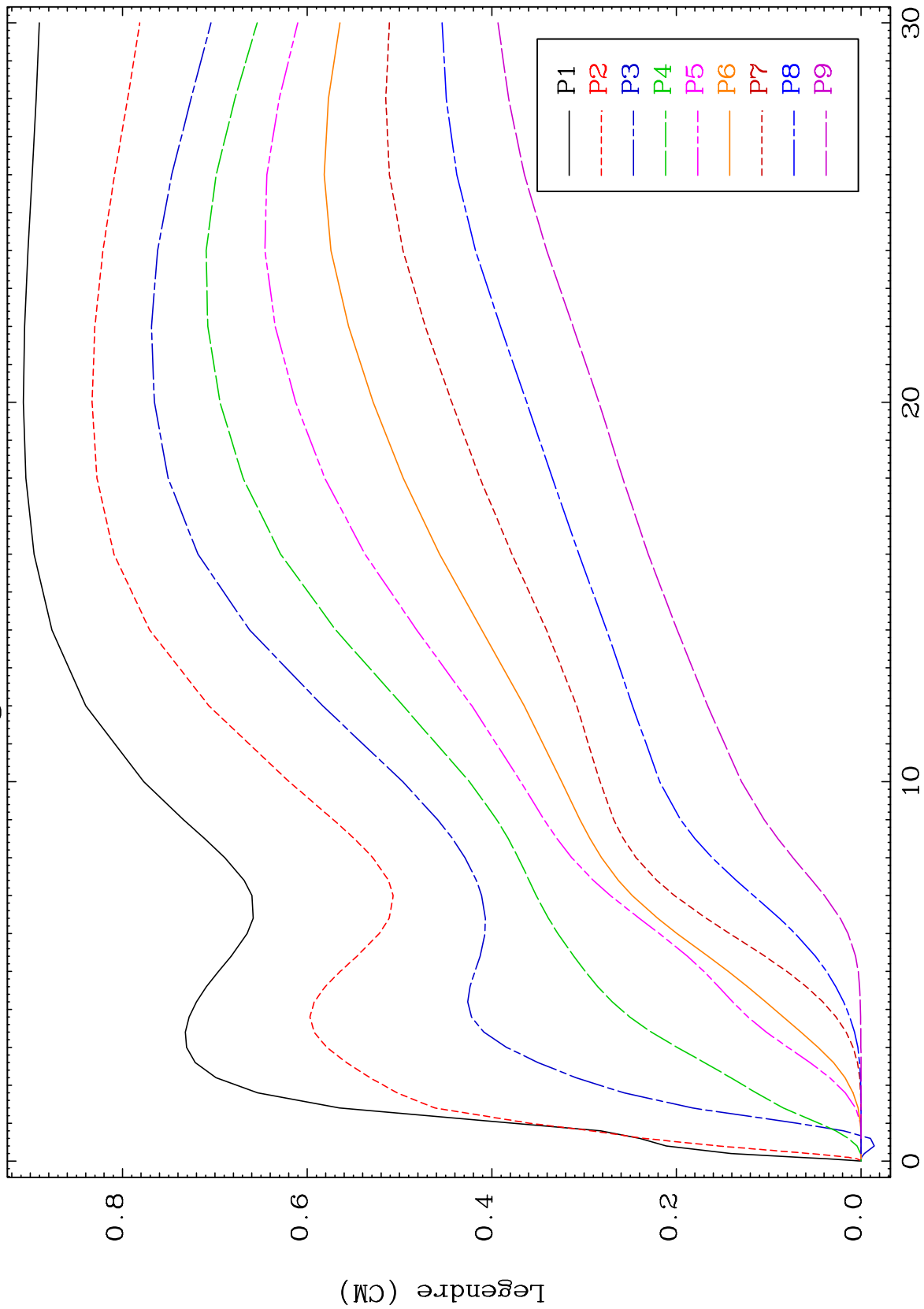




MAT 5952

Elastic Legendre Coefficients

59-Pr-150



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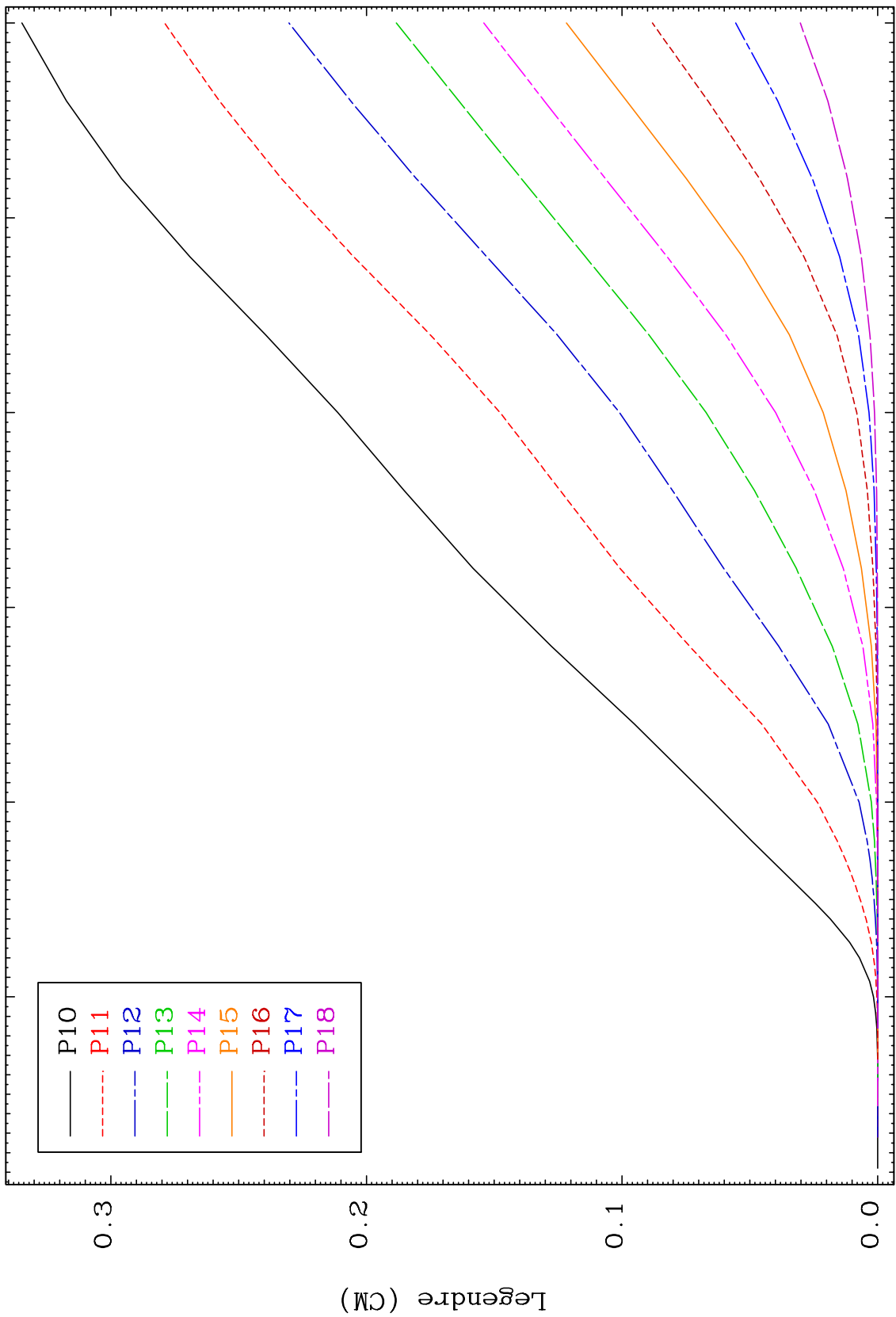
Incident Energy (MeV)

59-Pr-150

MAT 5952

Elastic Legendre Coefficients

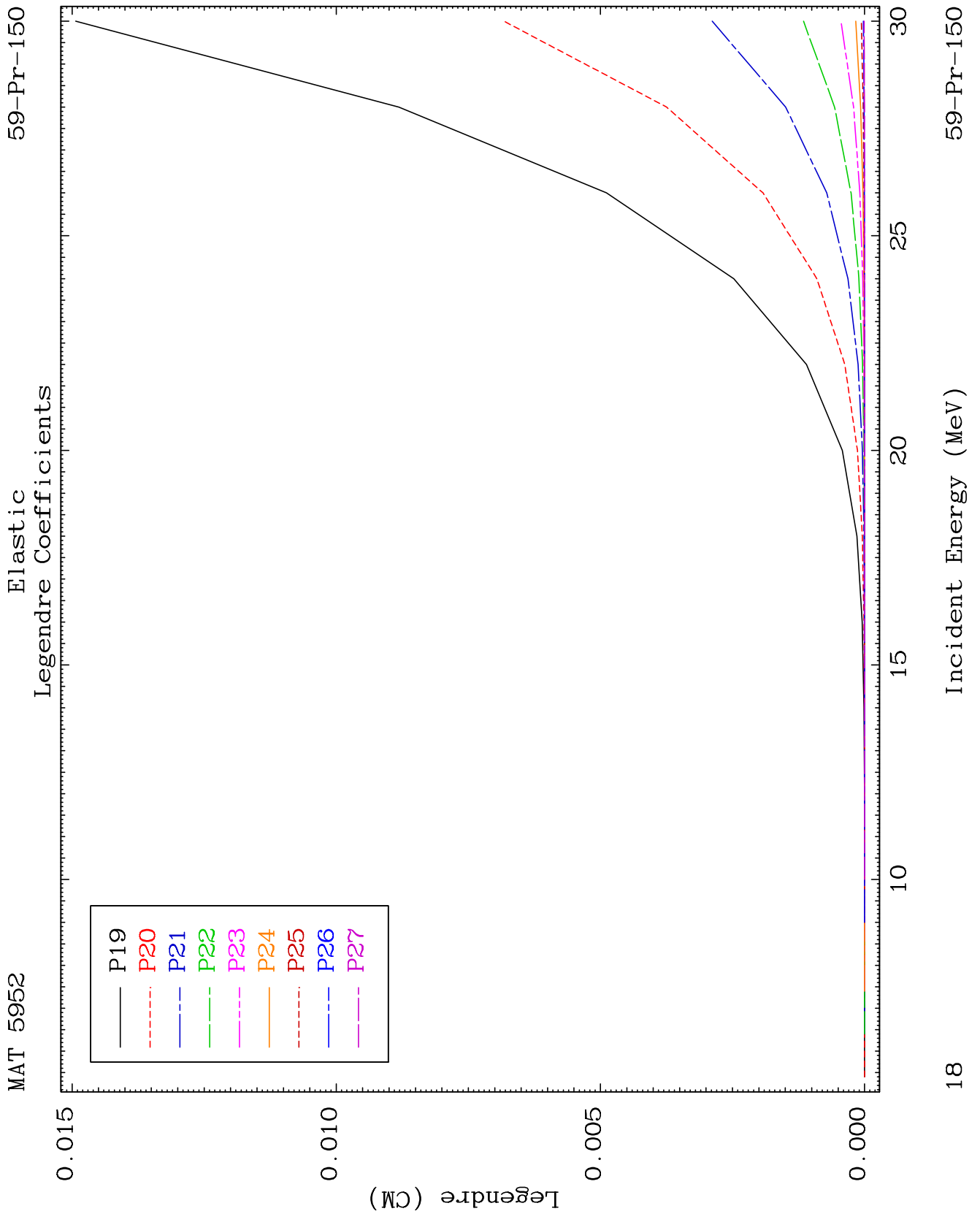
59-Pr-150



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Incident Energy (MeV)

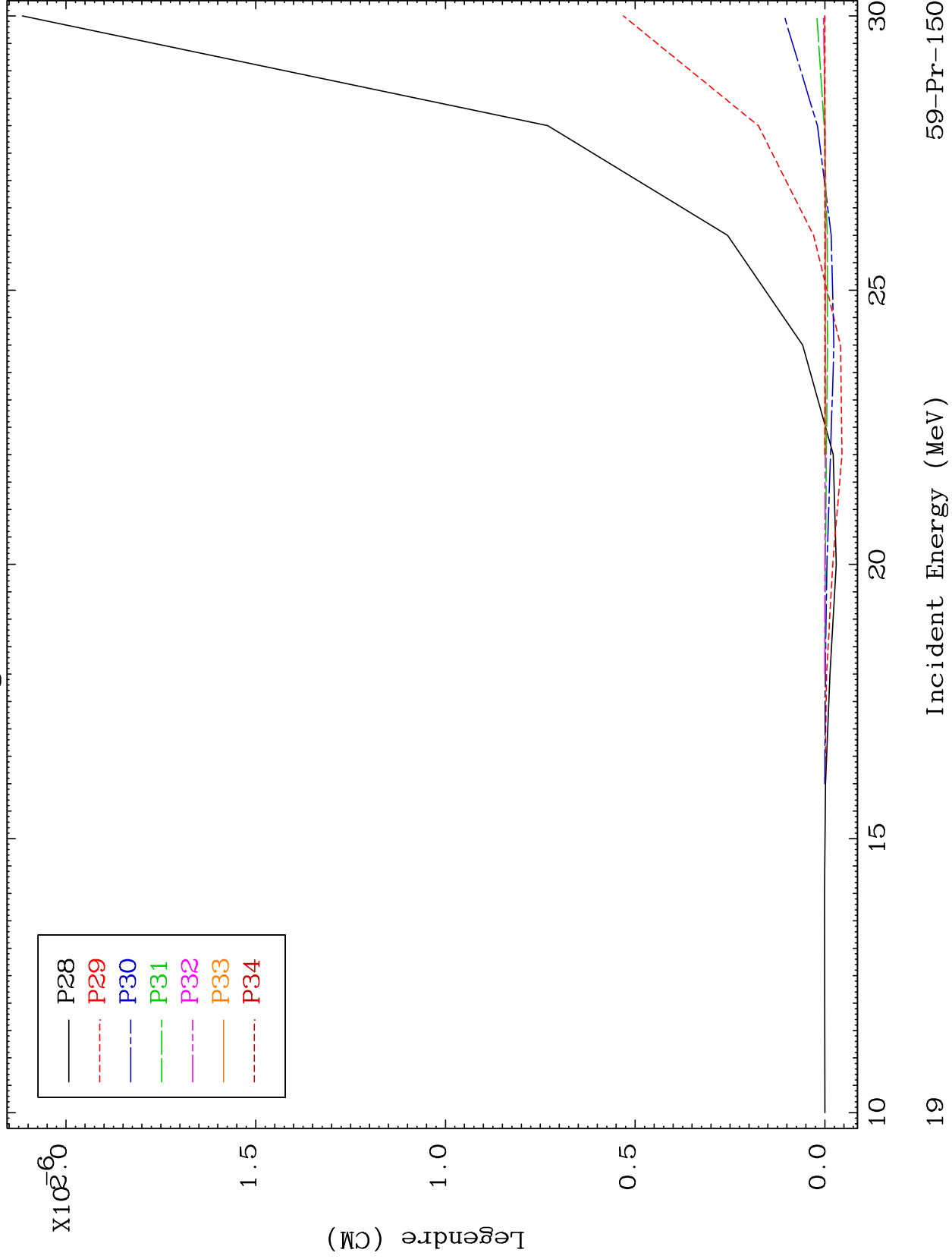
59-Pr-150

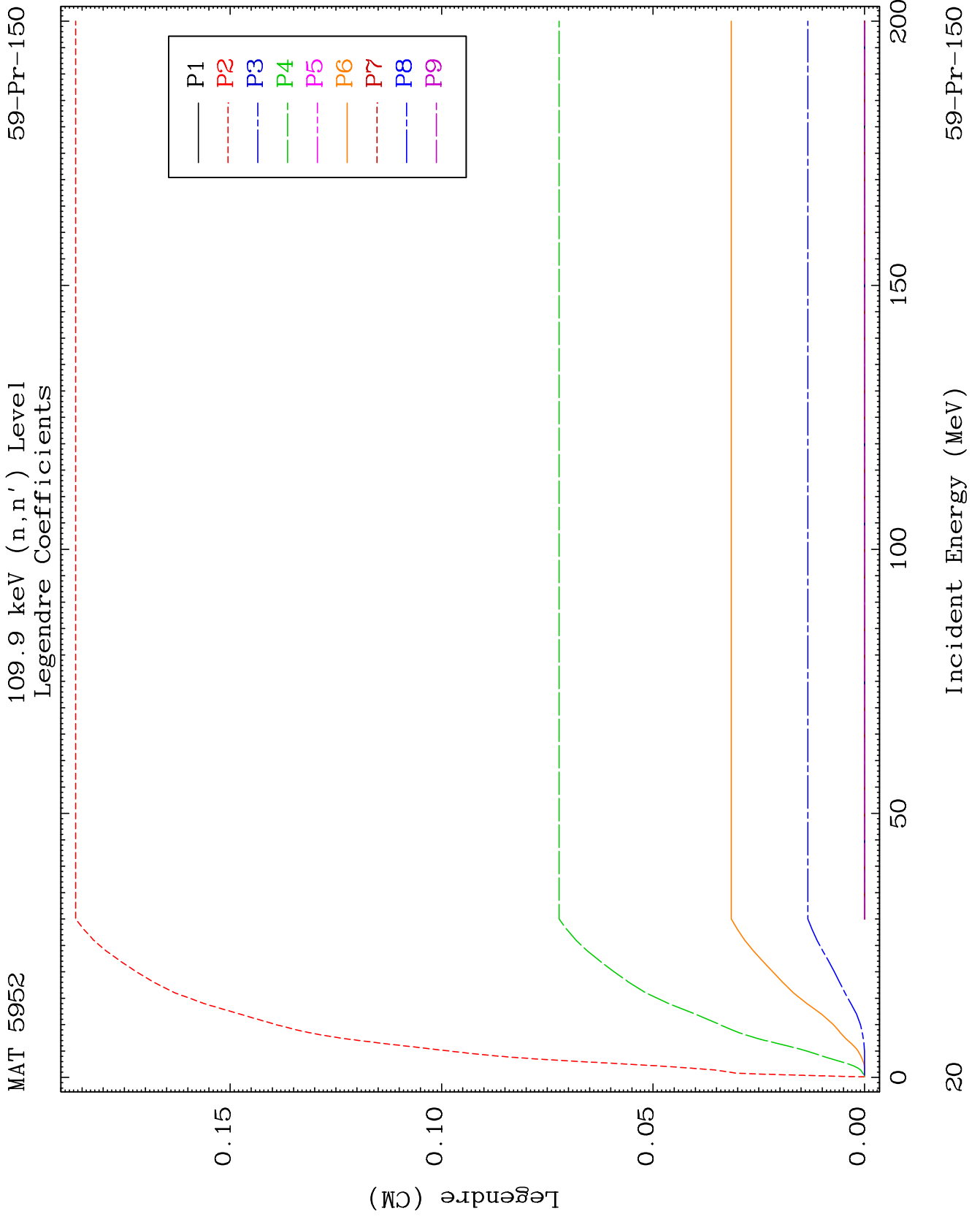


MAT 5952

Elastic
Legendre Coefficients

59-Pr-150

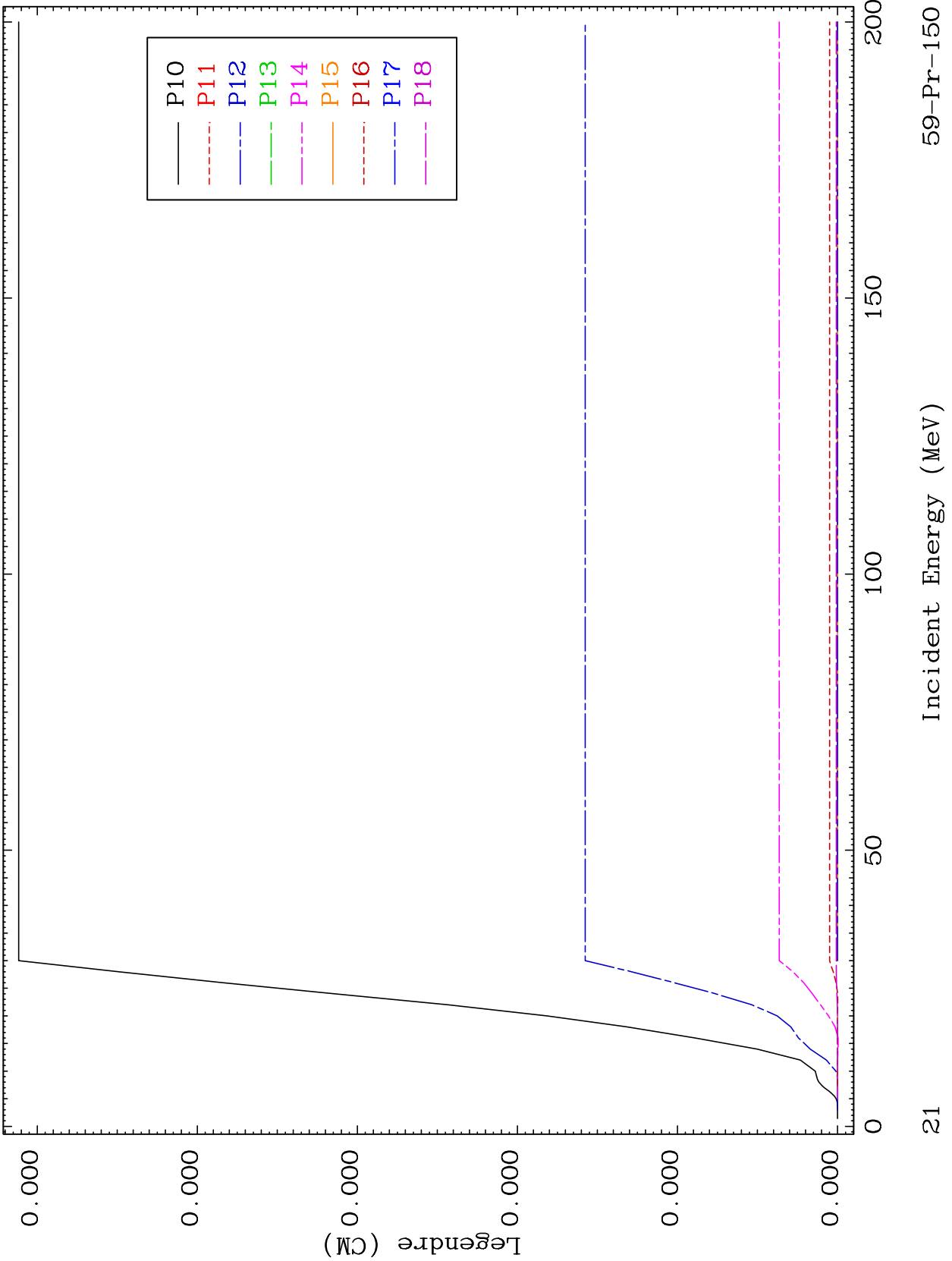


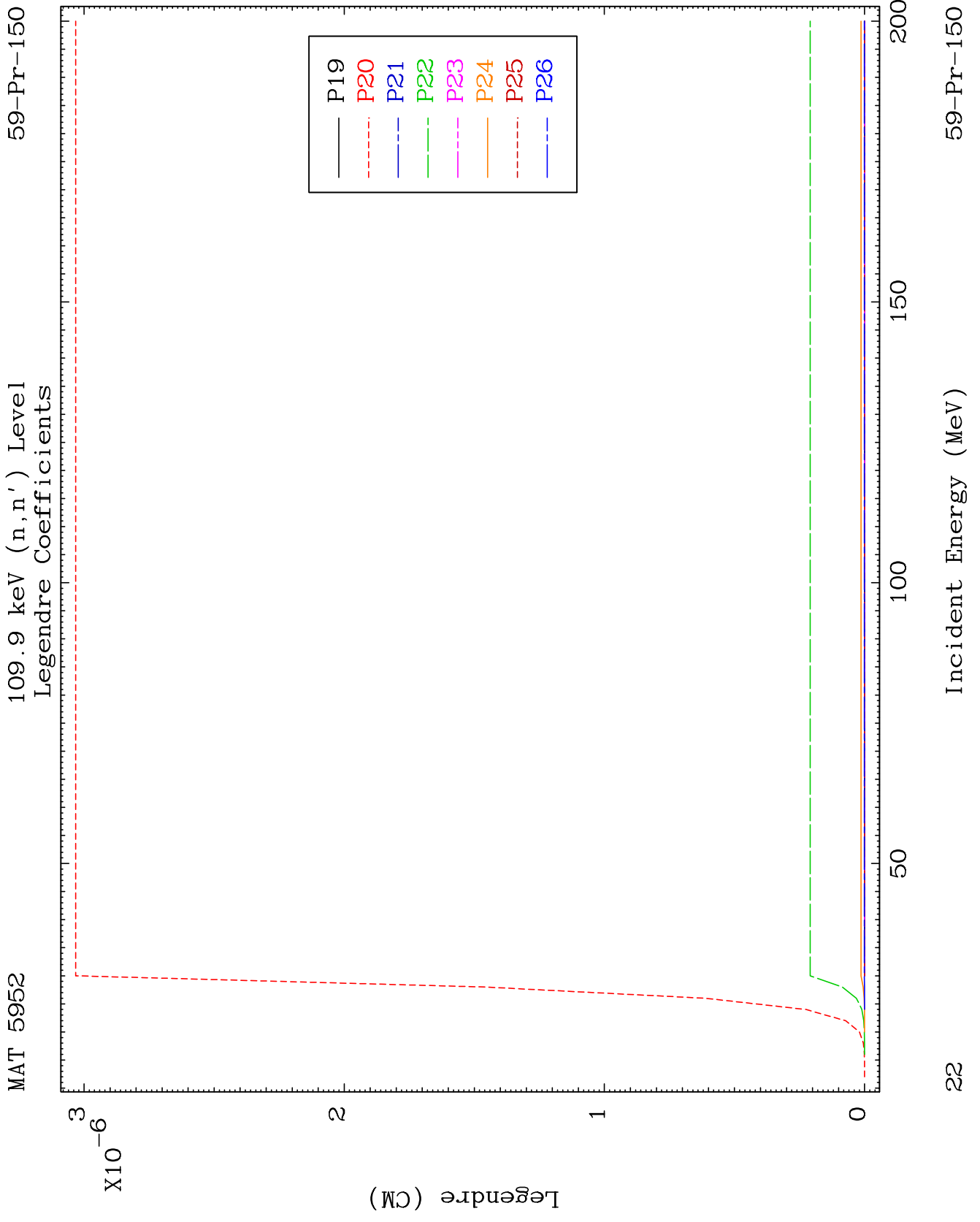


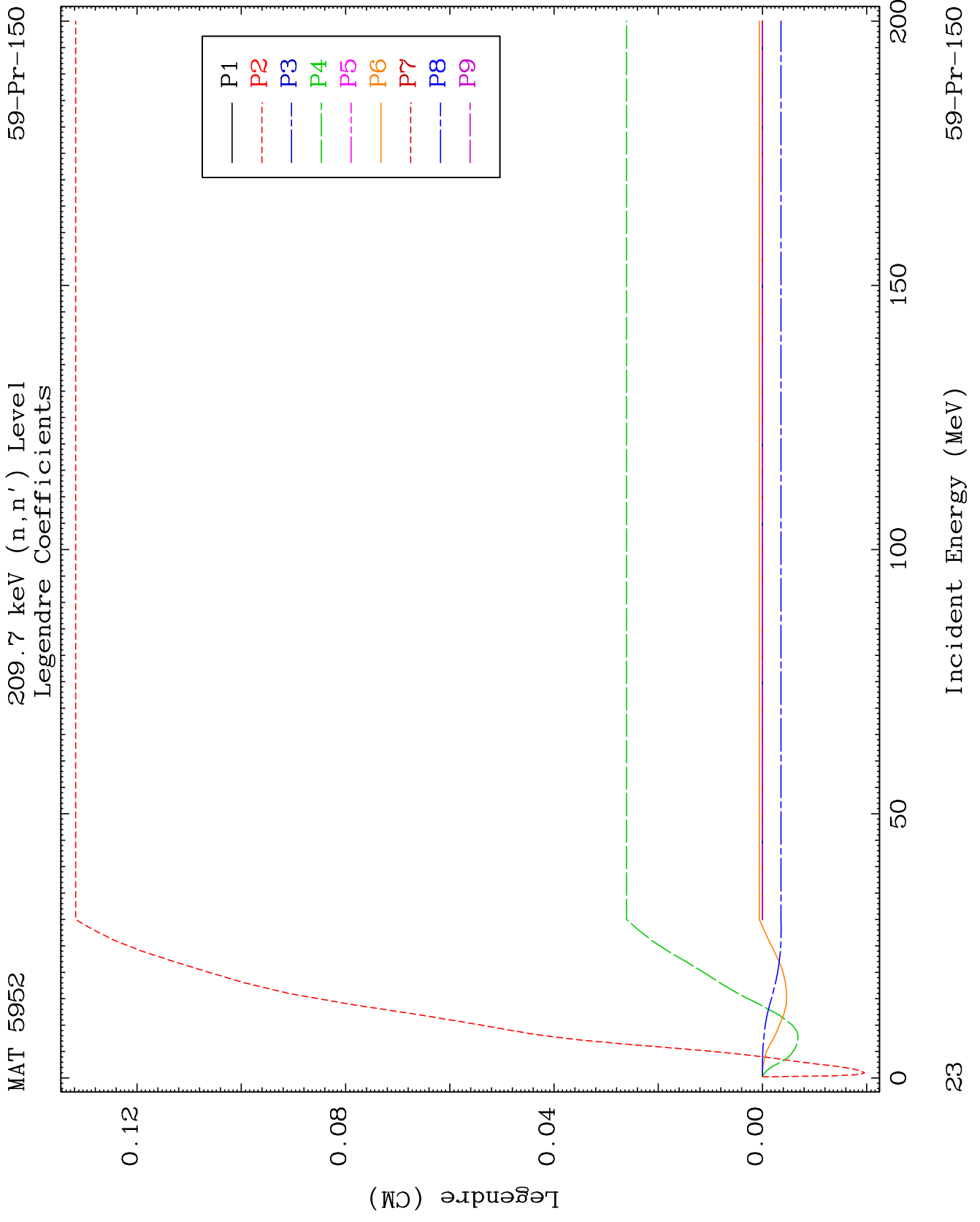
MAT 5952

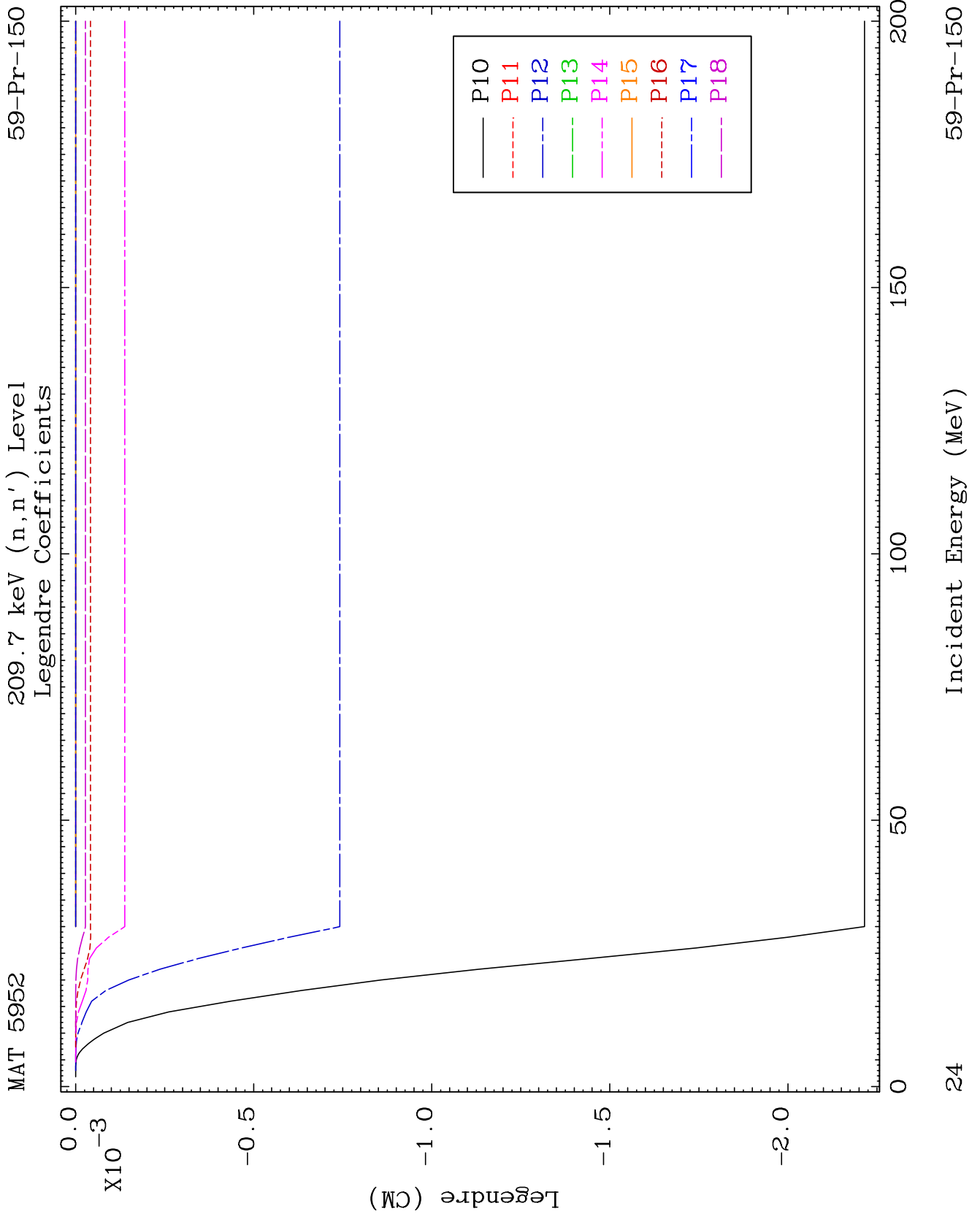
109.9 keV (n,n') Level
Legendre Coefficients

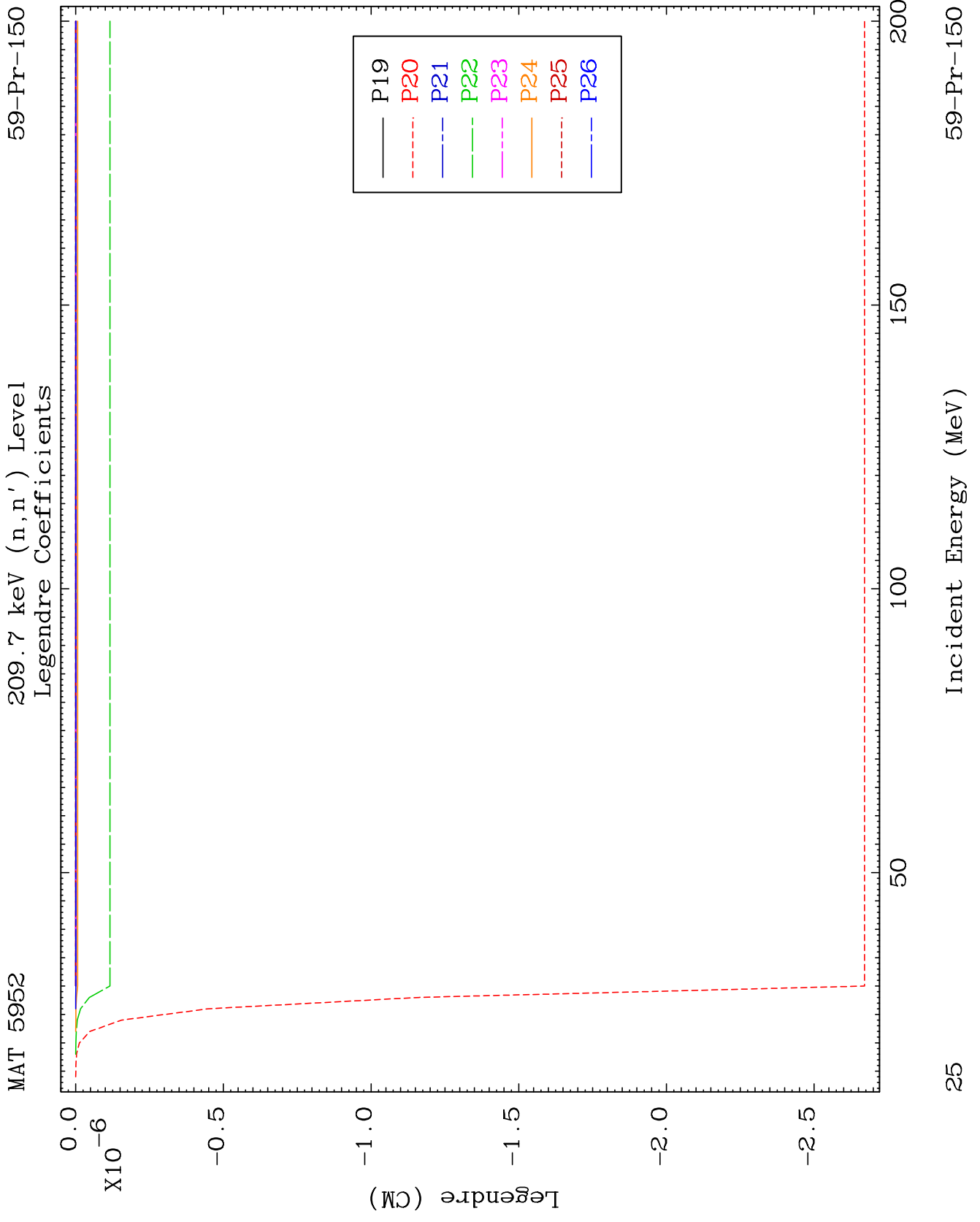
59-Pr-150







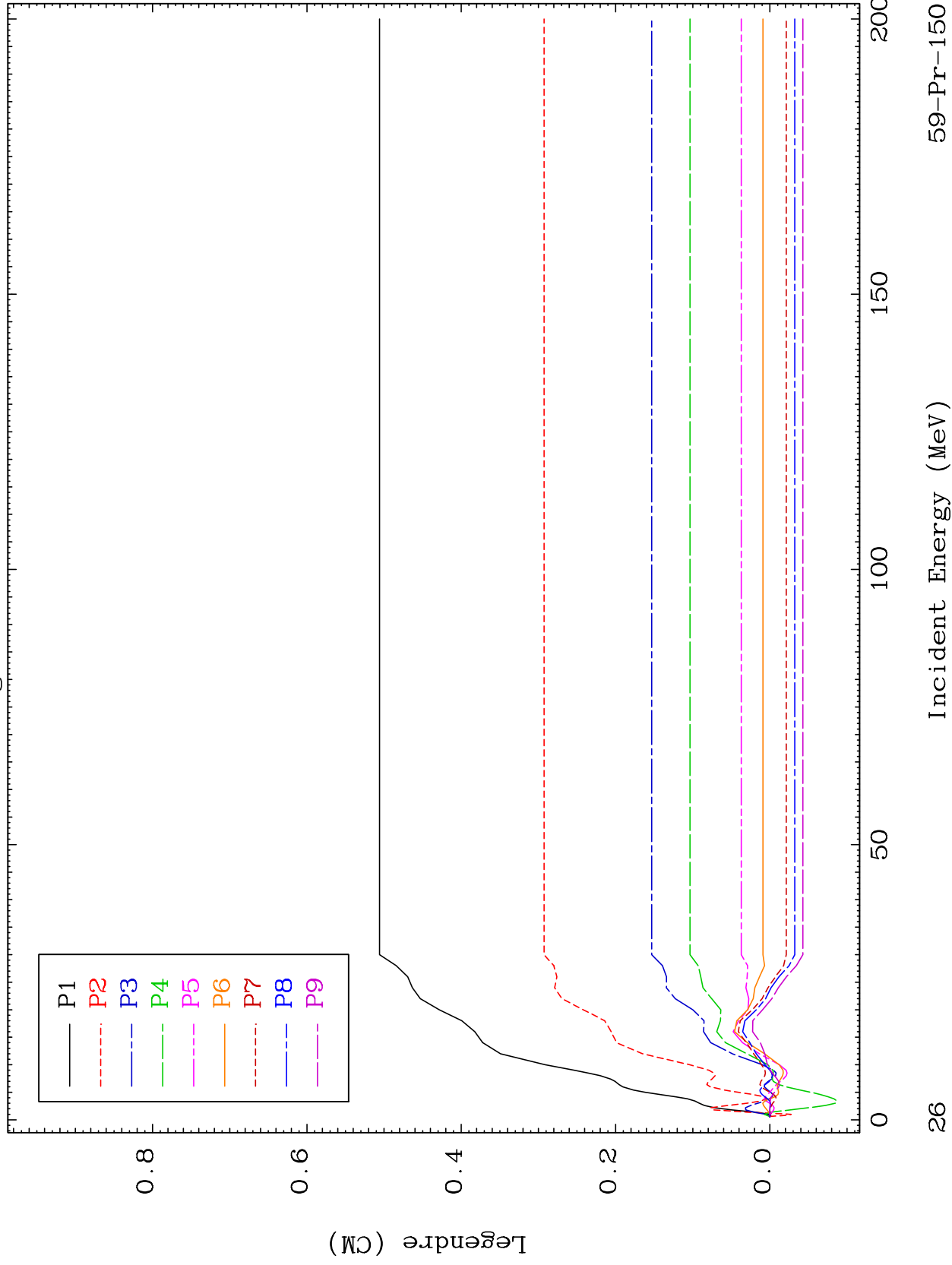




MAT 5952

488.1 keV (n,n') Level
Legendre Coefficients

59-Pr-150



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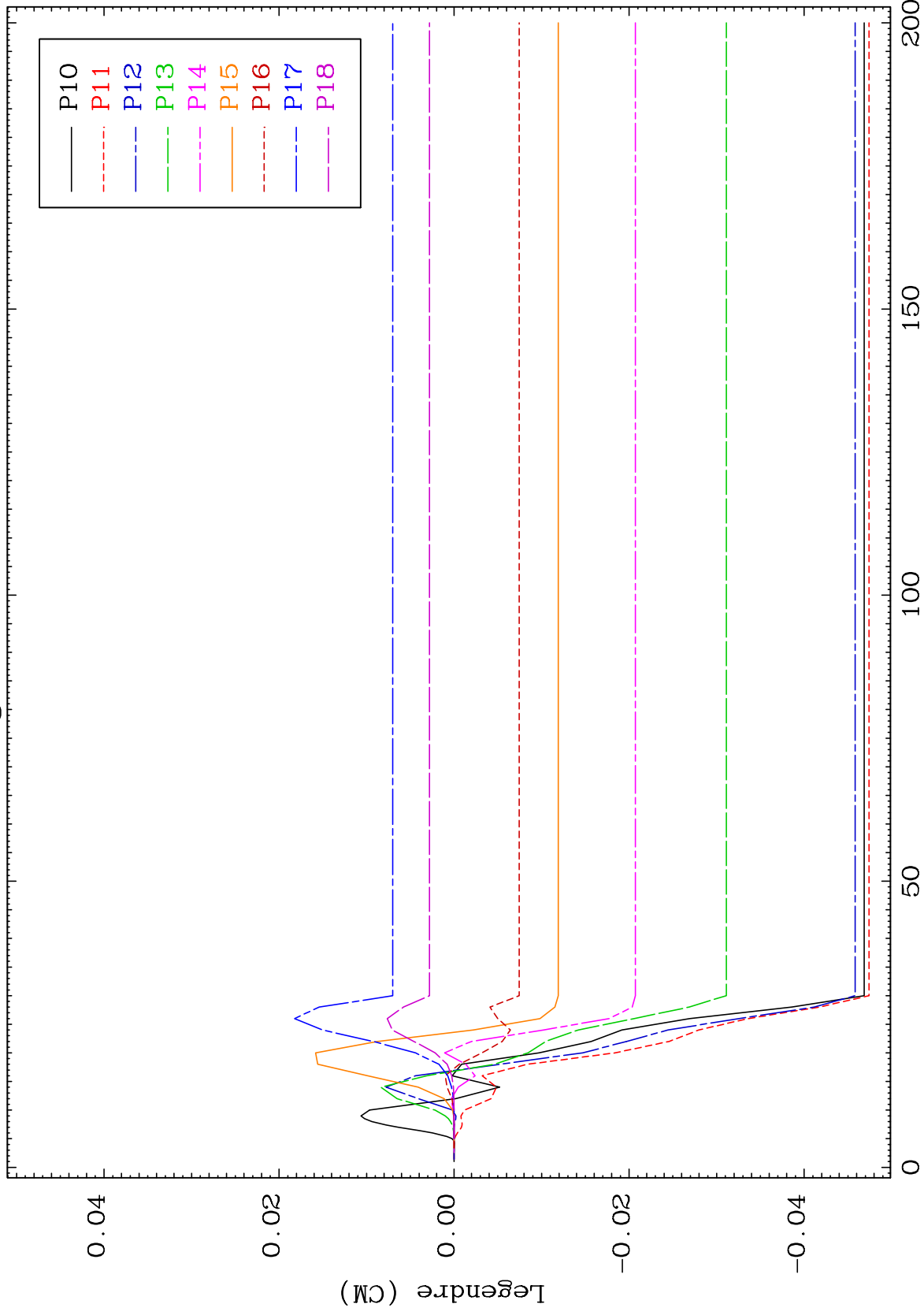
Incident Energy (MeV)

59-Pr-150

MAT 5952

488.1 keV (n,n') Level
Legendre Coefficients

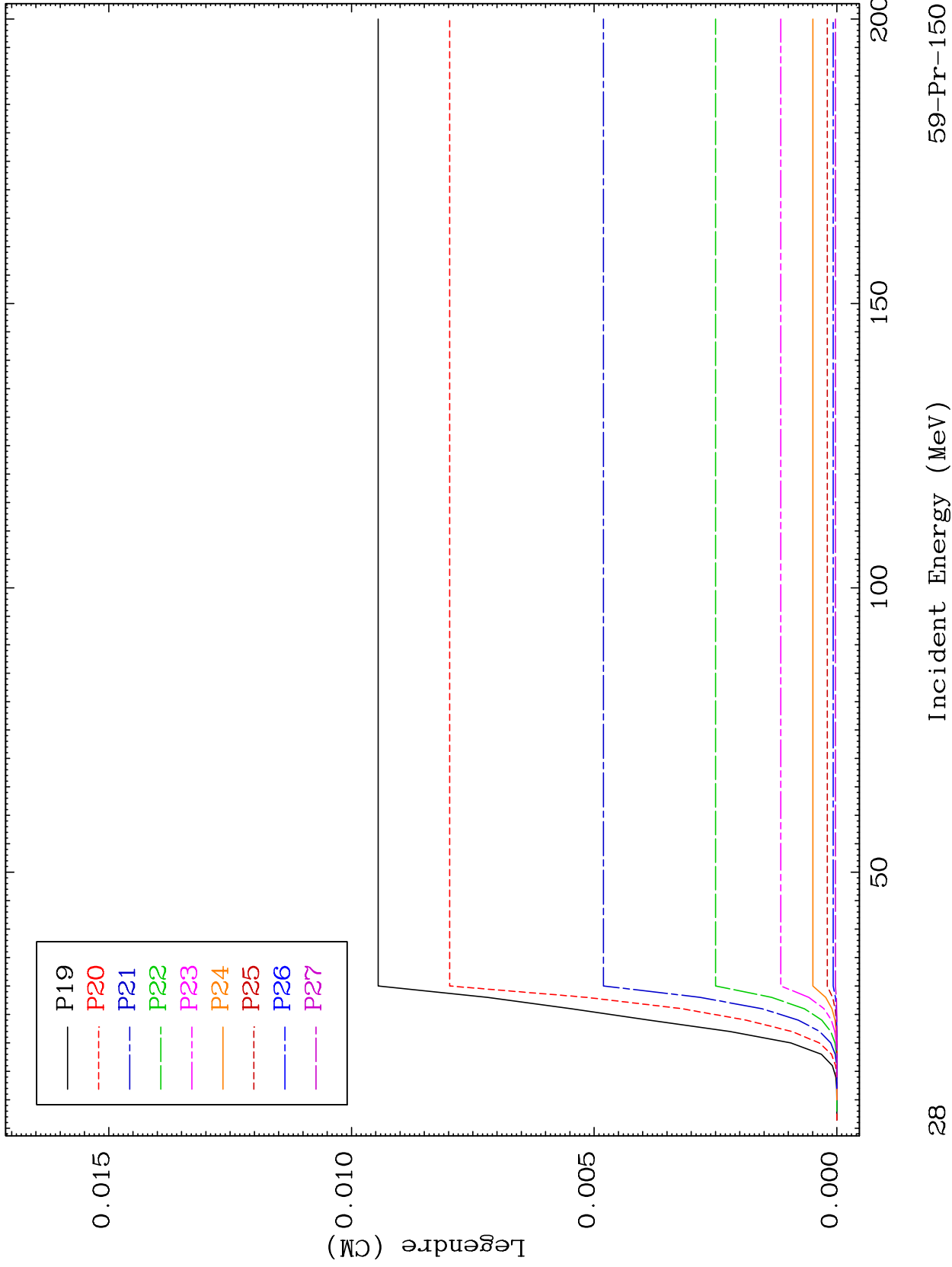
59-Pr-150



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Incident Energy (MeV)

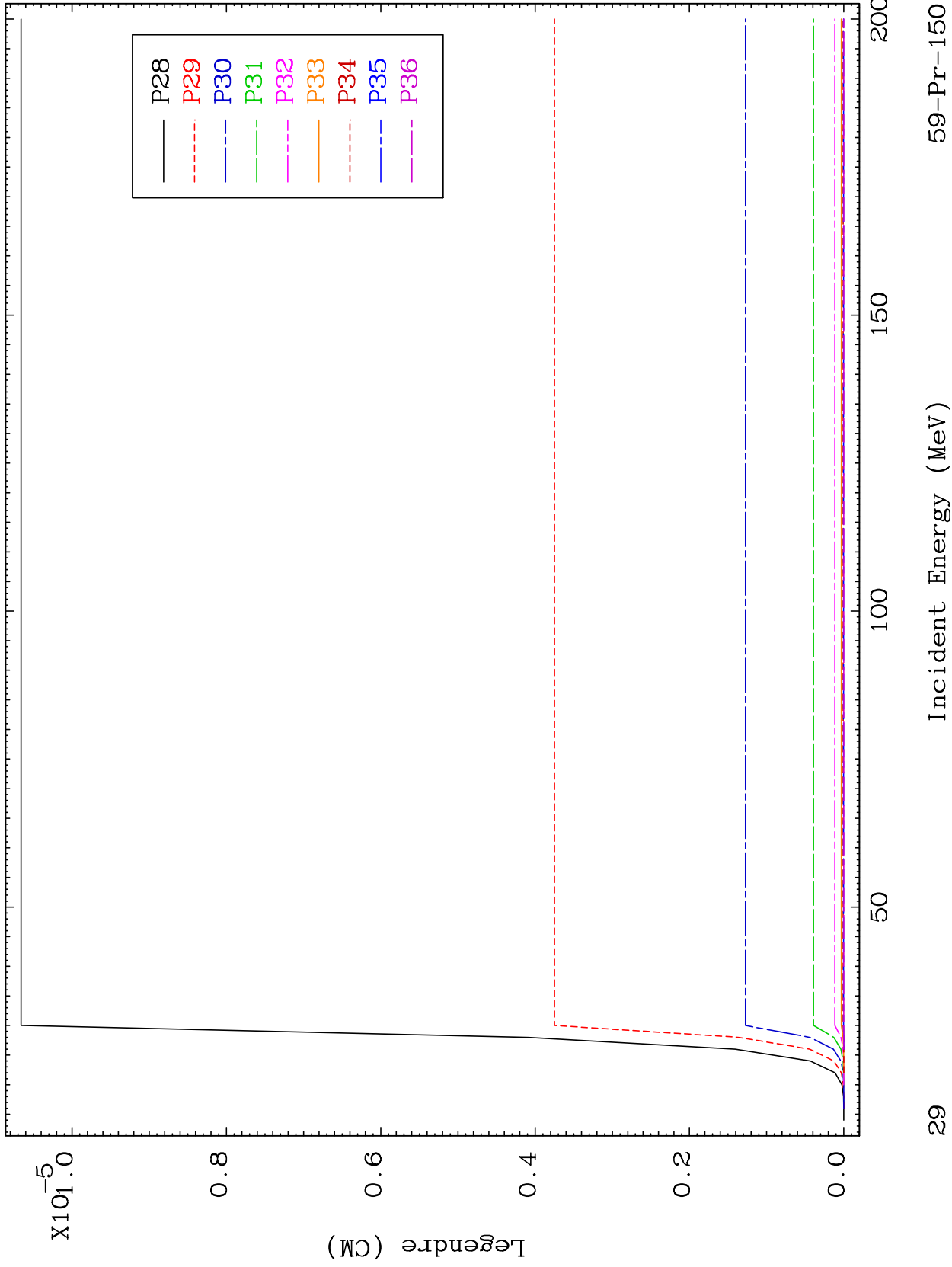
59-Pr-150



MAT 5952

488.1 keV (n,n') Level
Legendre Coefficients

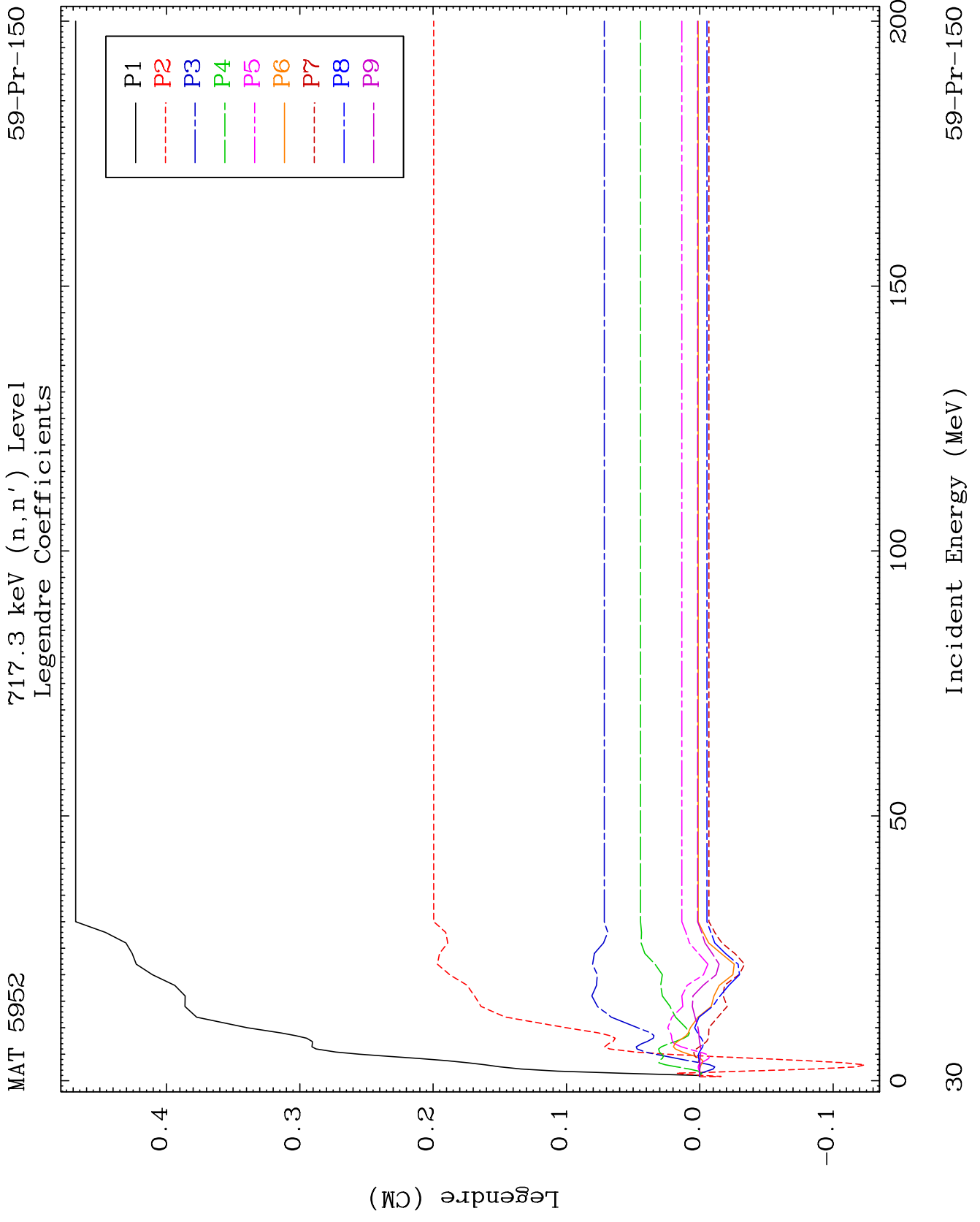
59-Pr-150

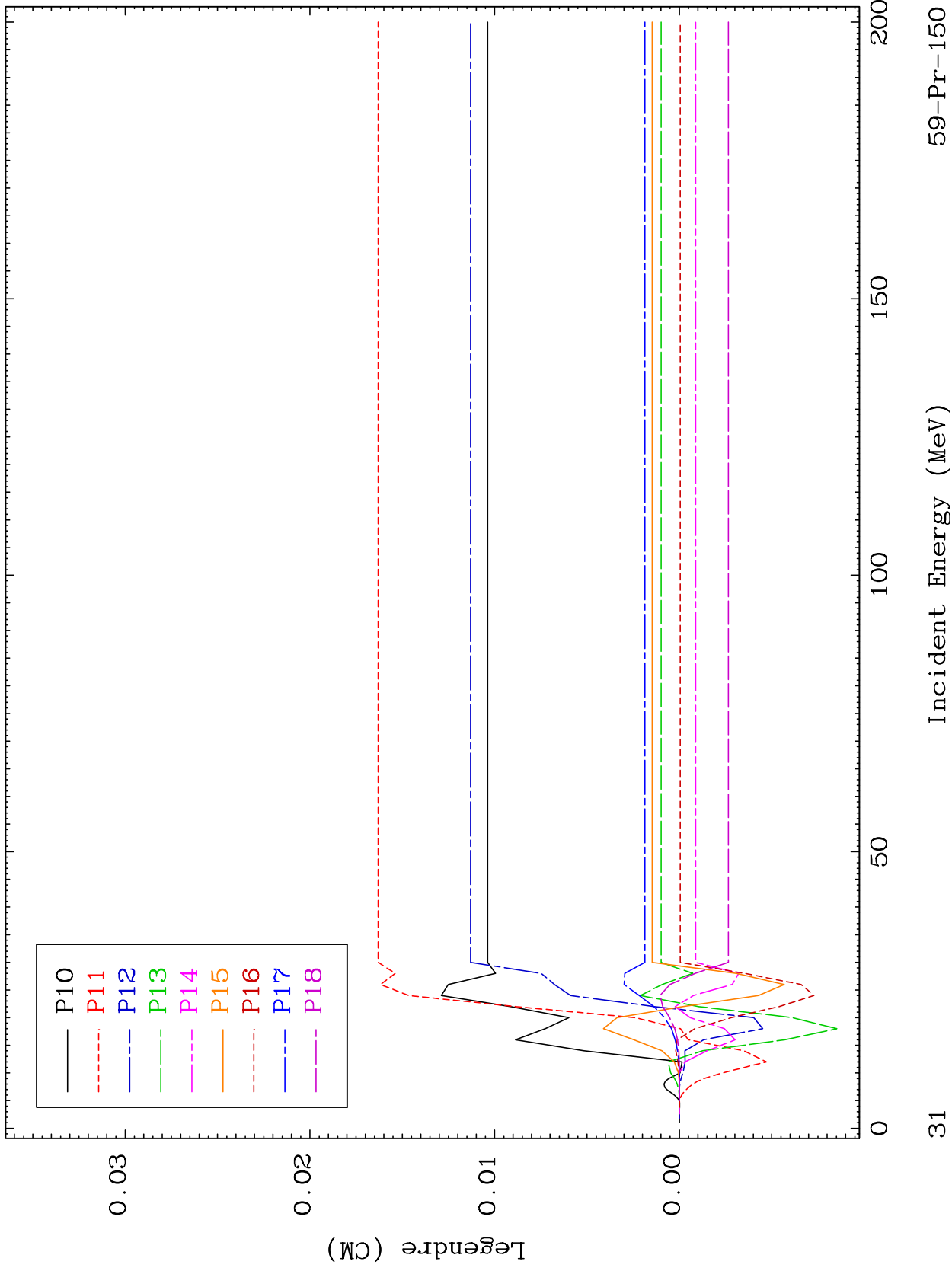


29

Incident Energy (MeV)

59-Pr-150

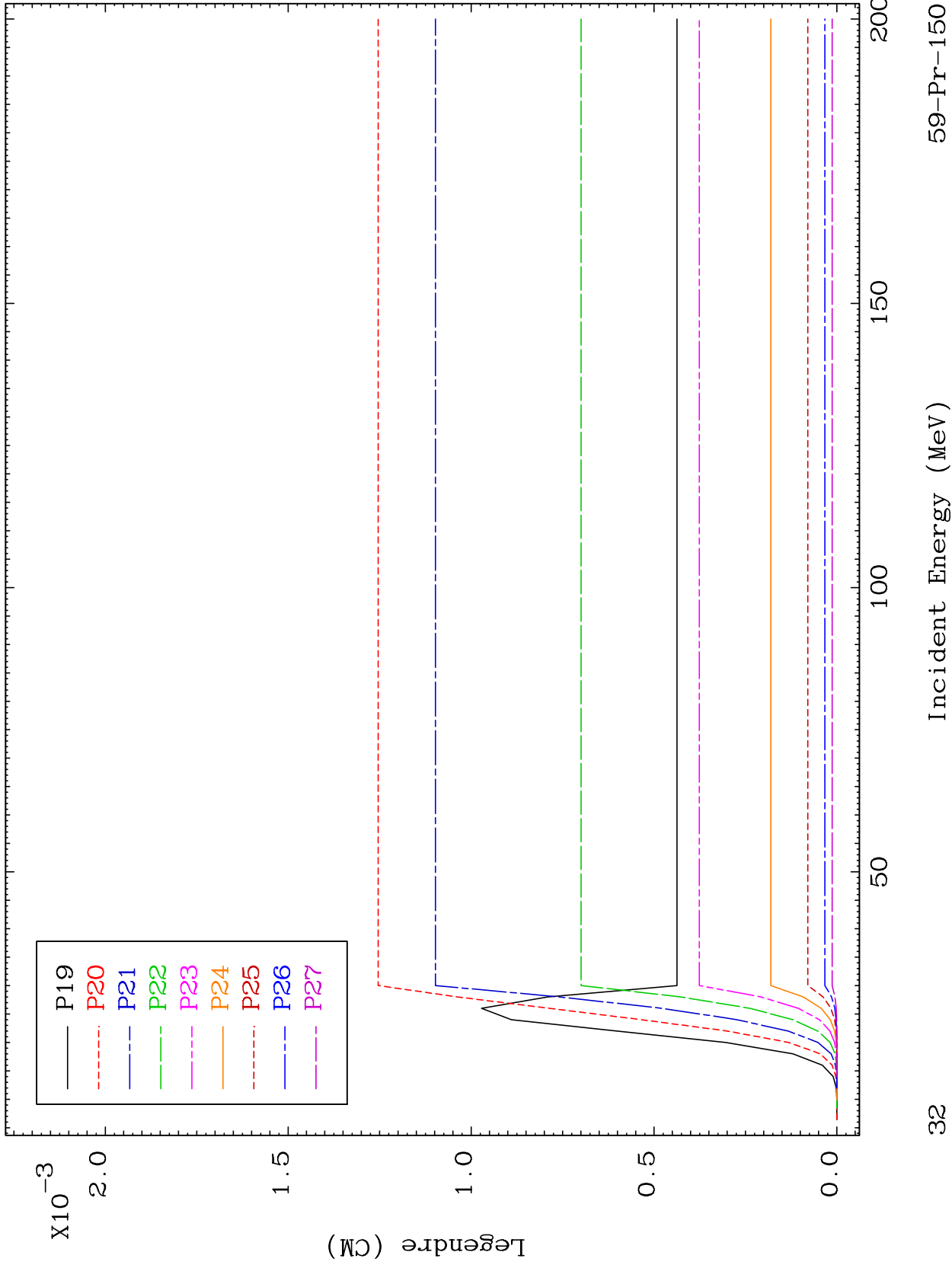


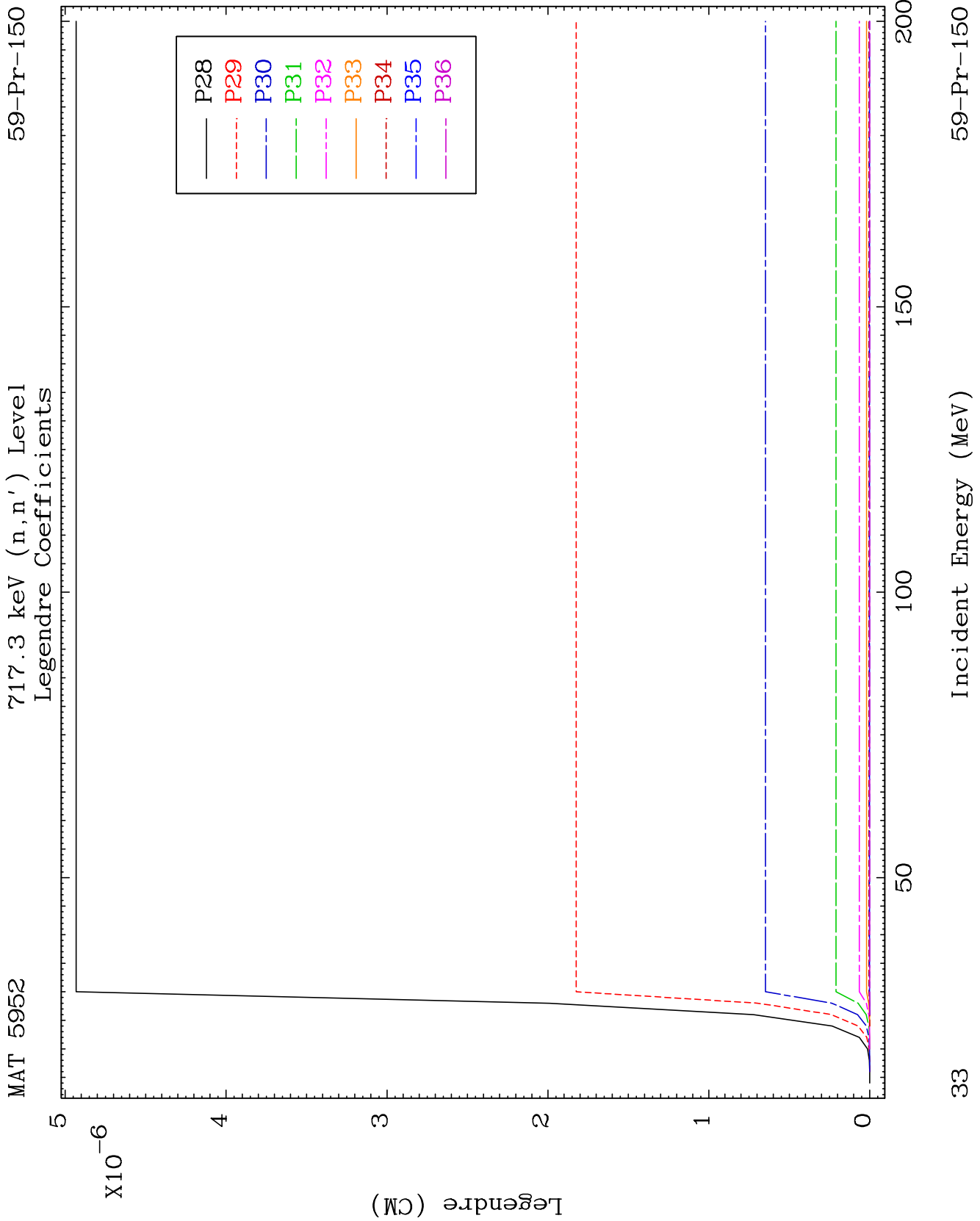


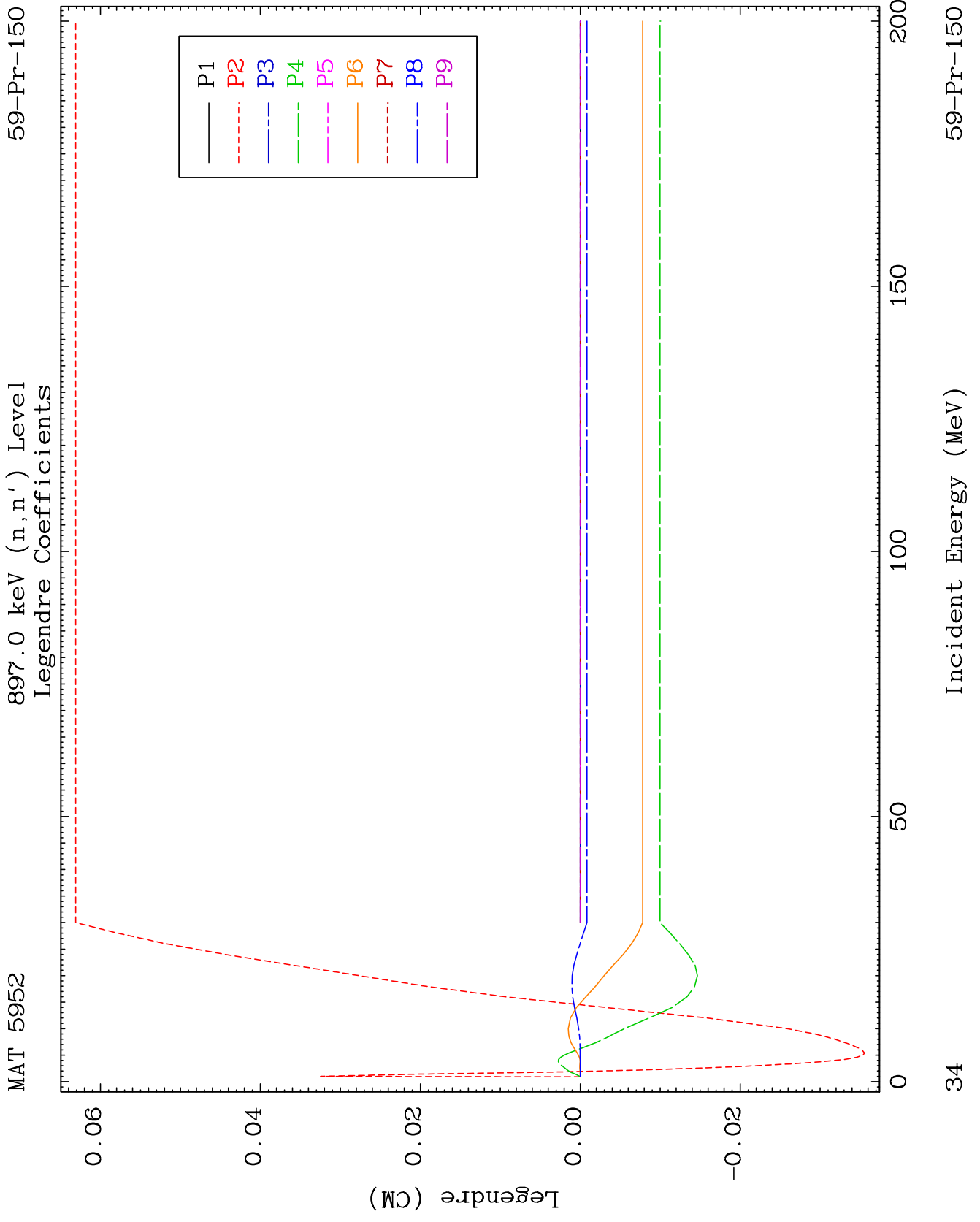
MAT 5952

717.3 keV (n,n') Level
Legendre Coefficients

59-Pr-150



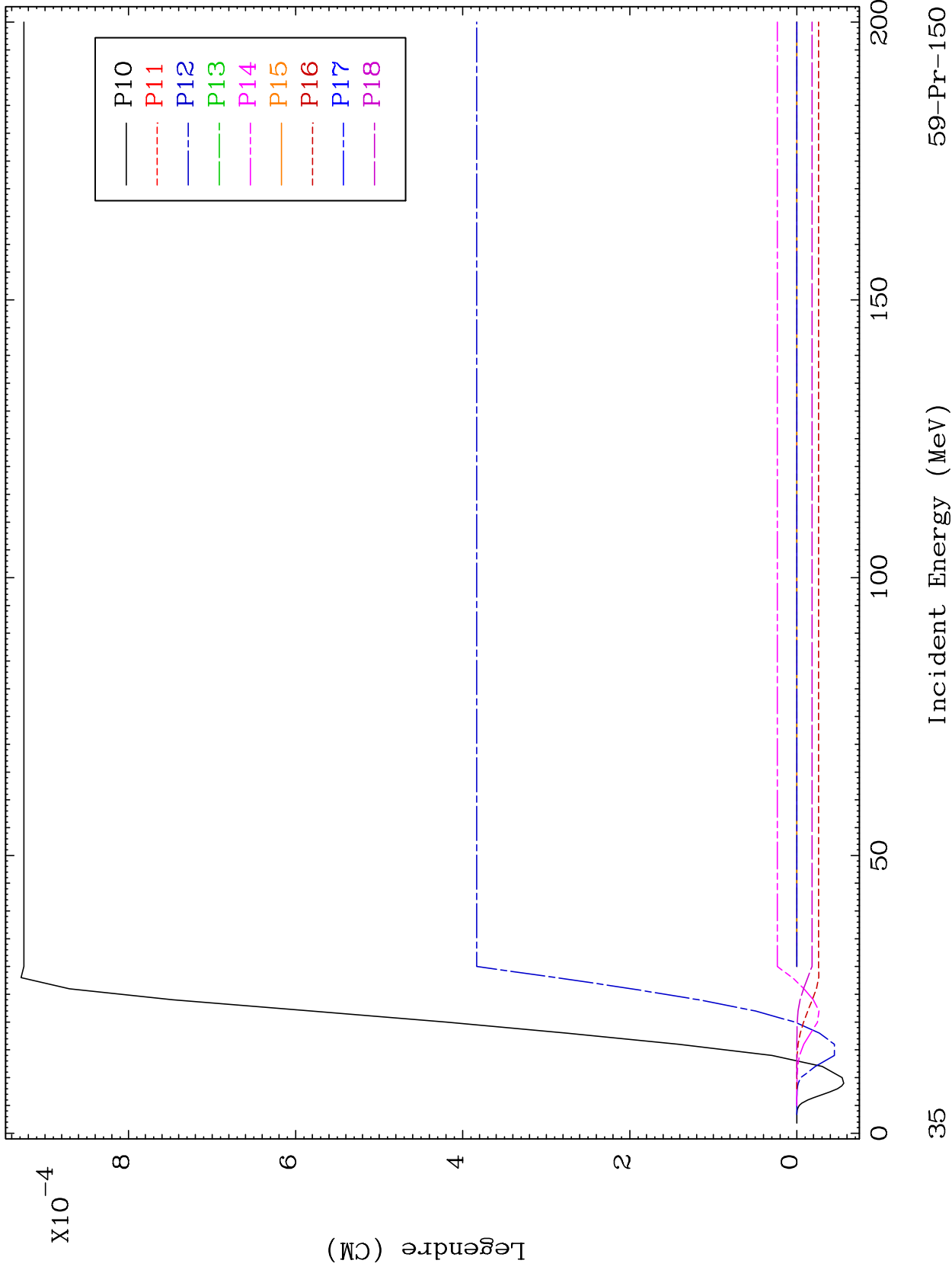




MAT 5952

897.0 keV (n,n') Level
Legendre Coefficients

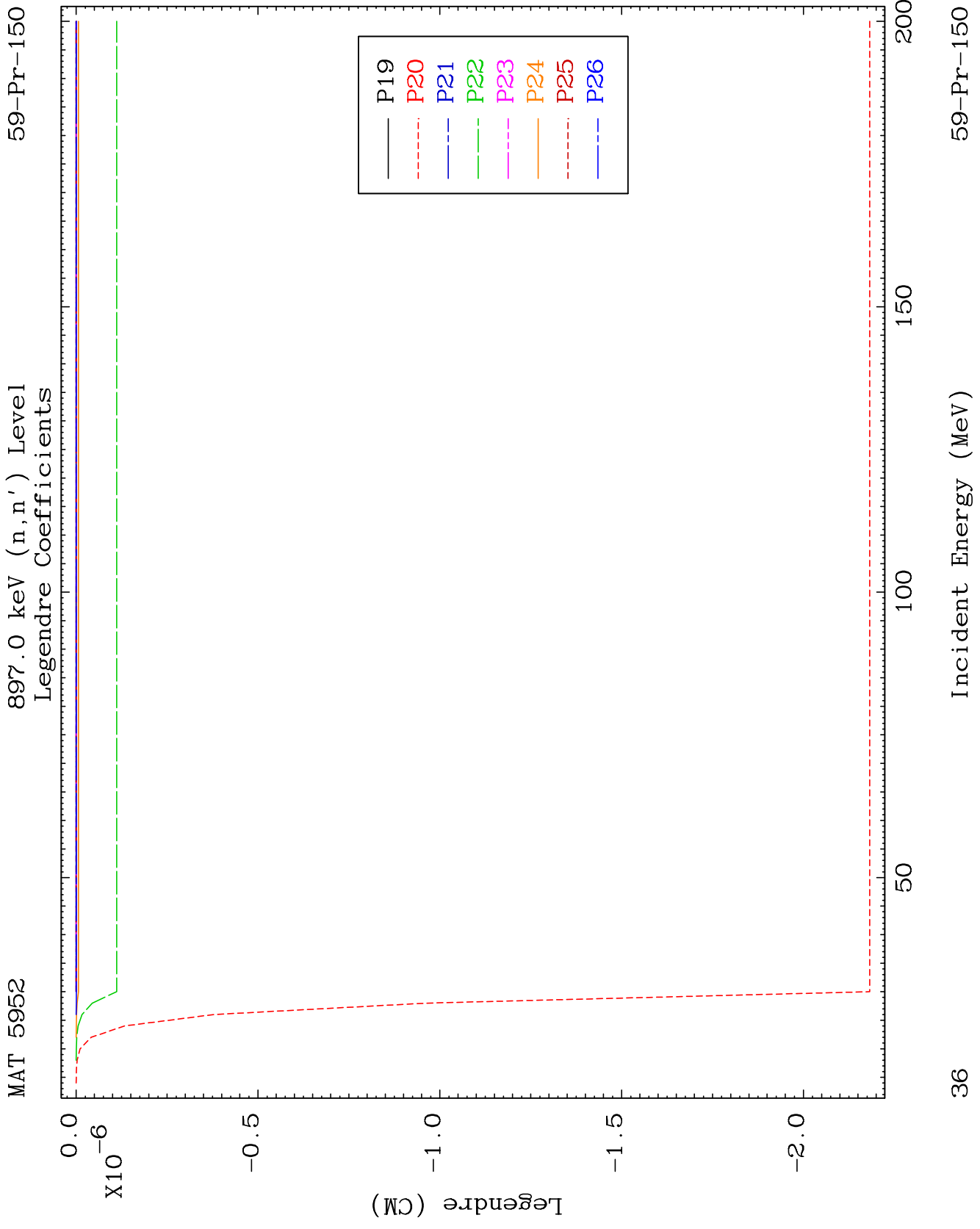
59-Pr-150



59-Pr-150

Incident Energy (MeV)

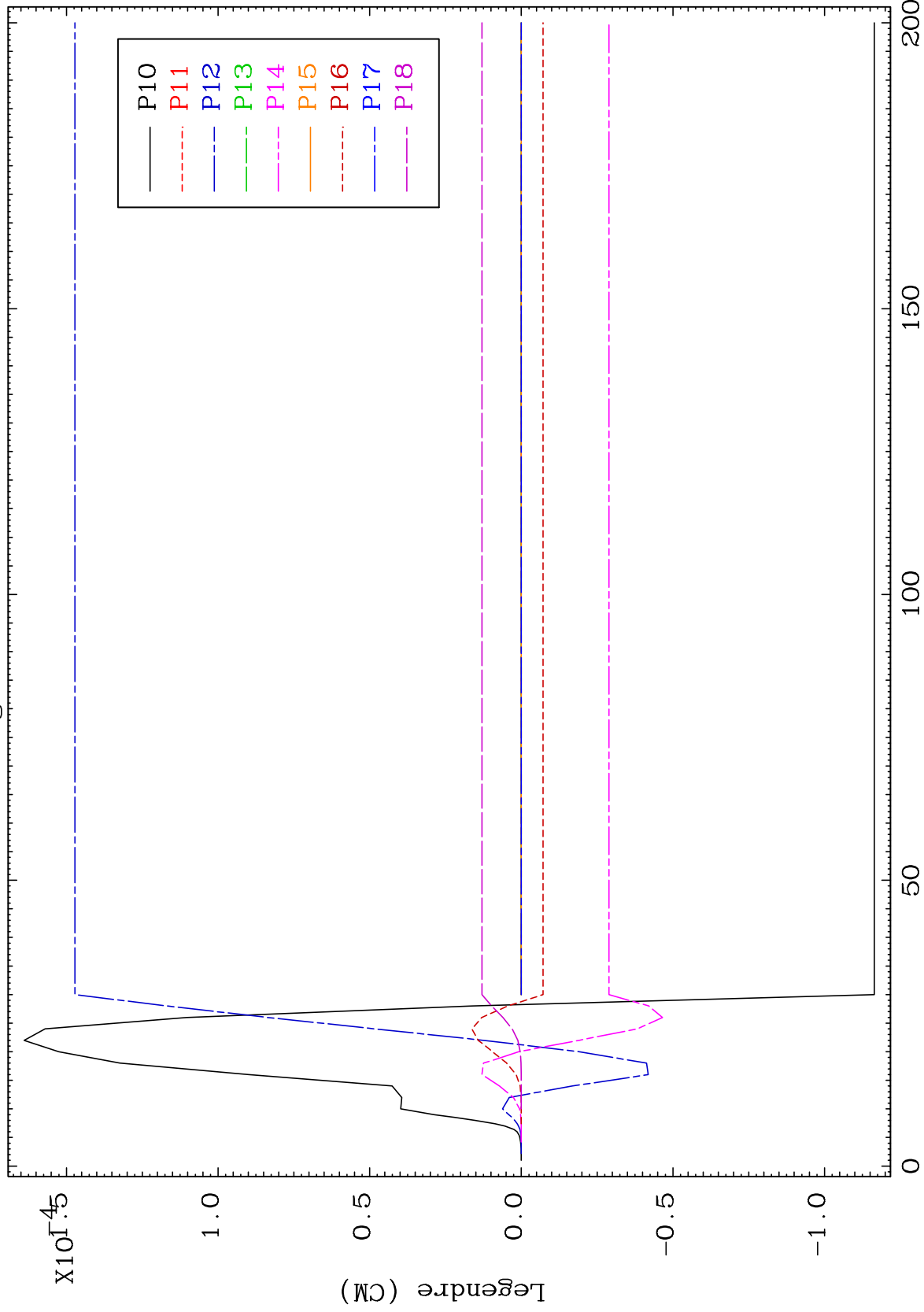
35



MAT 5952

899.4 keV (n,n') Level
Legendre Coefficients

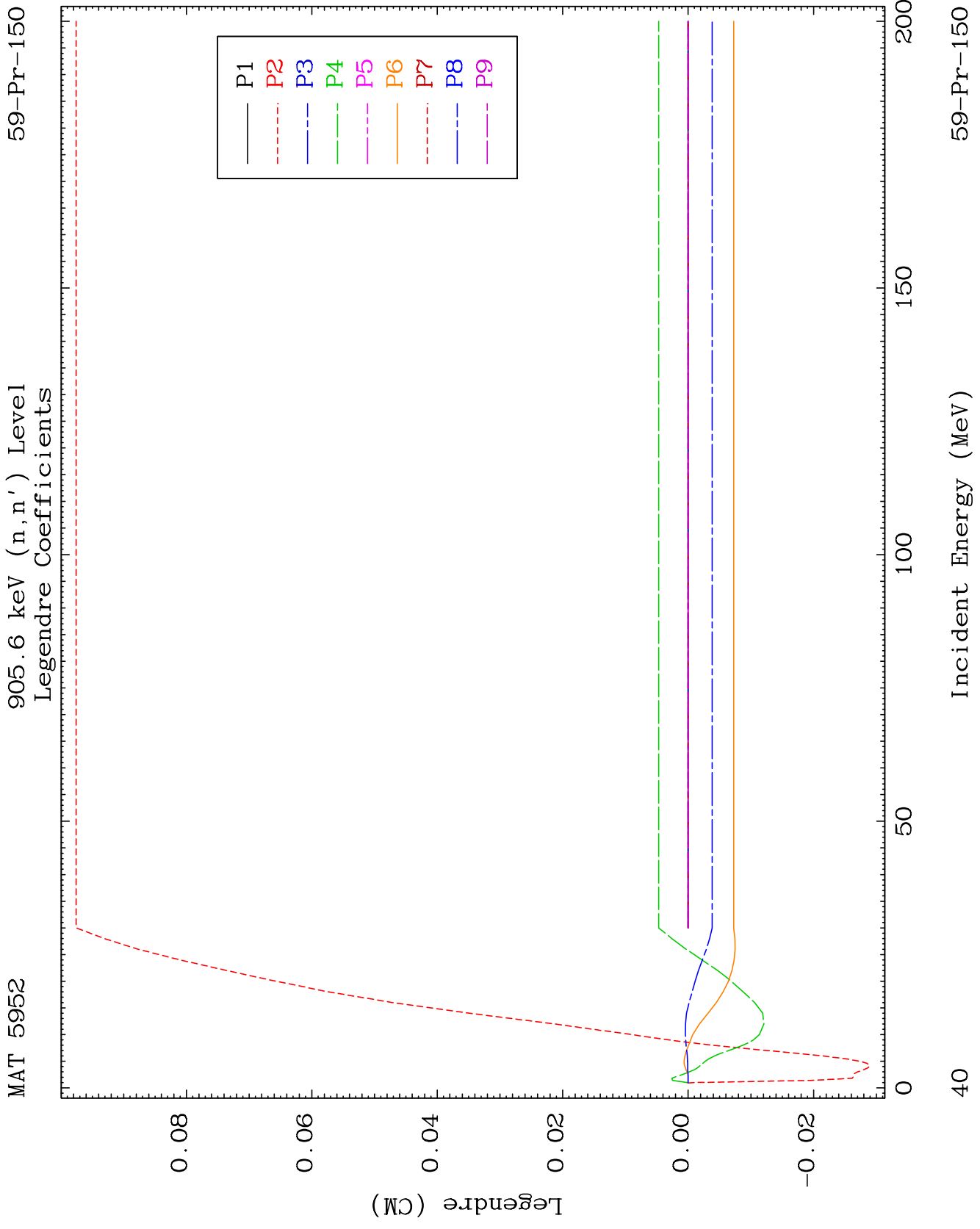
59-Pr-150



38

Incident Energy (MeV)

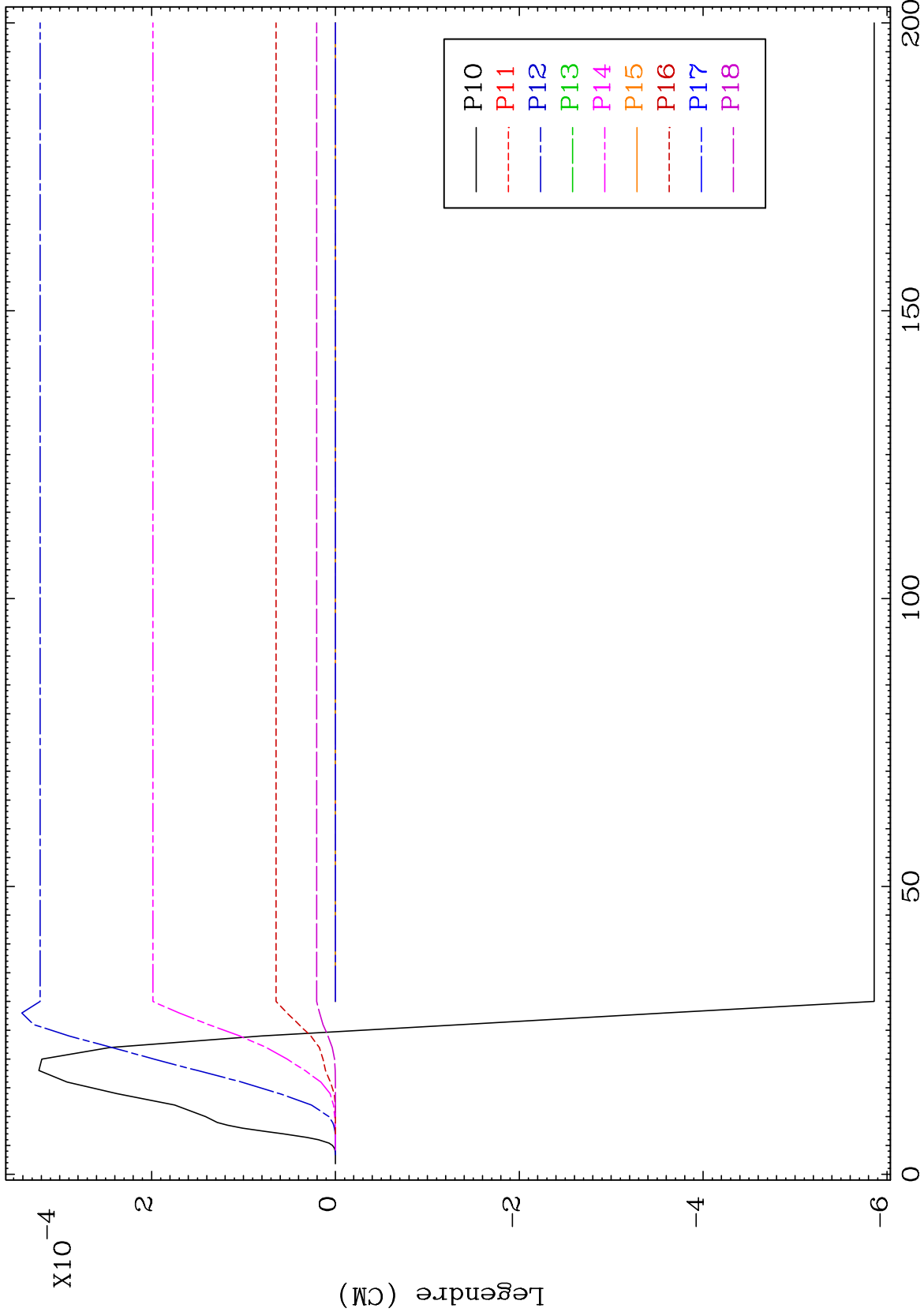
59-Pr-150



MAT 5952

905.6 keV (n,n') Level
Legendre Coefficients

59-Pr-150



41

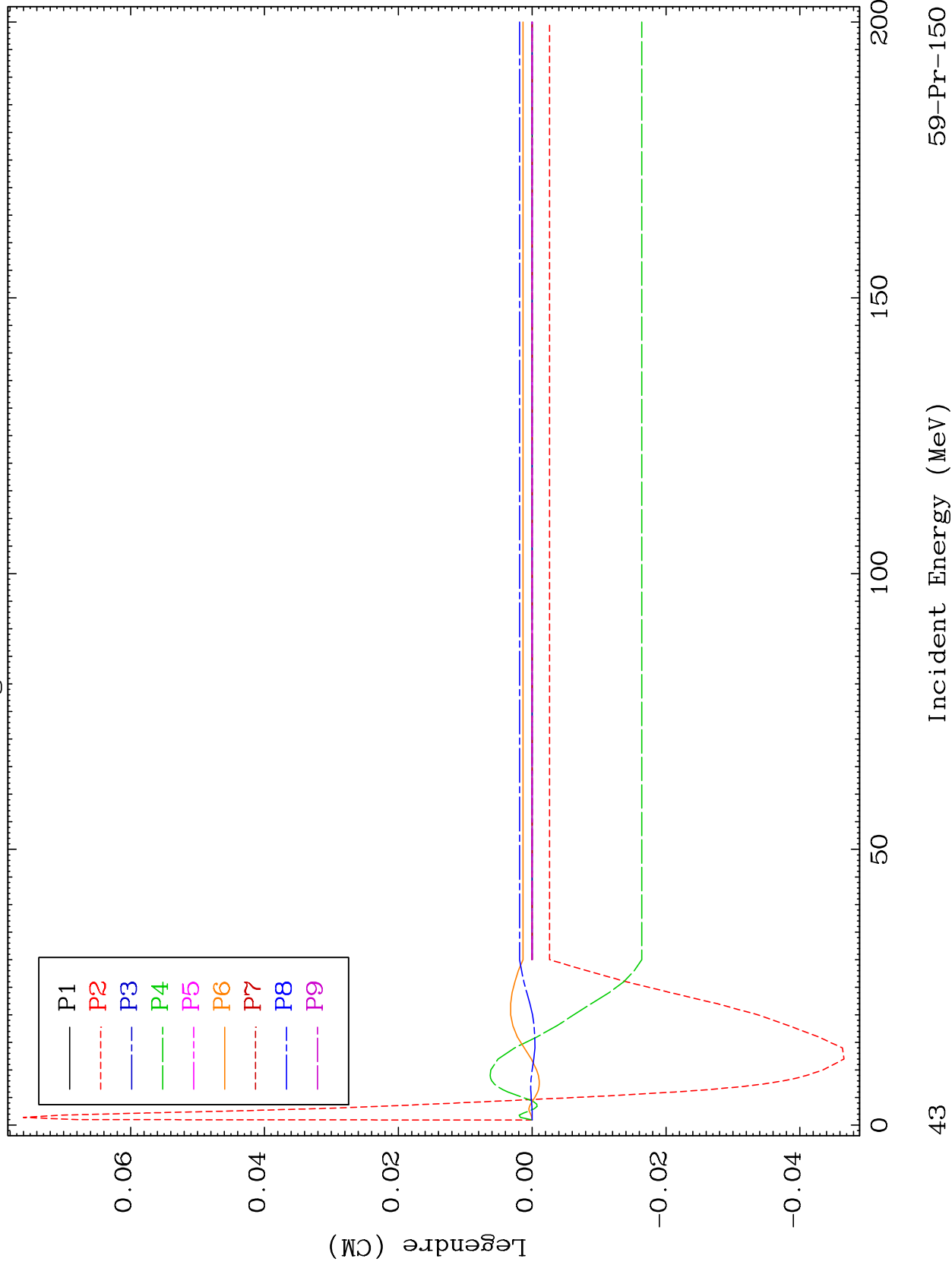
Incident Energy (MeV)

59-Pr-150

MAT 5952

907.7 keV (n,n') Level
Legendre Coefficients

59-Pr-150



43

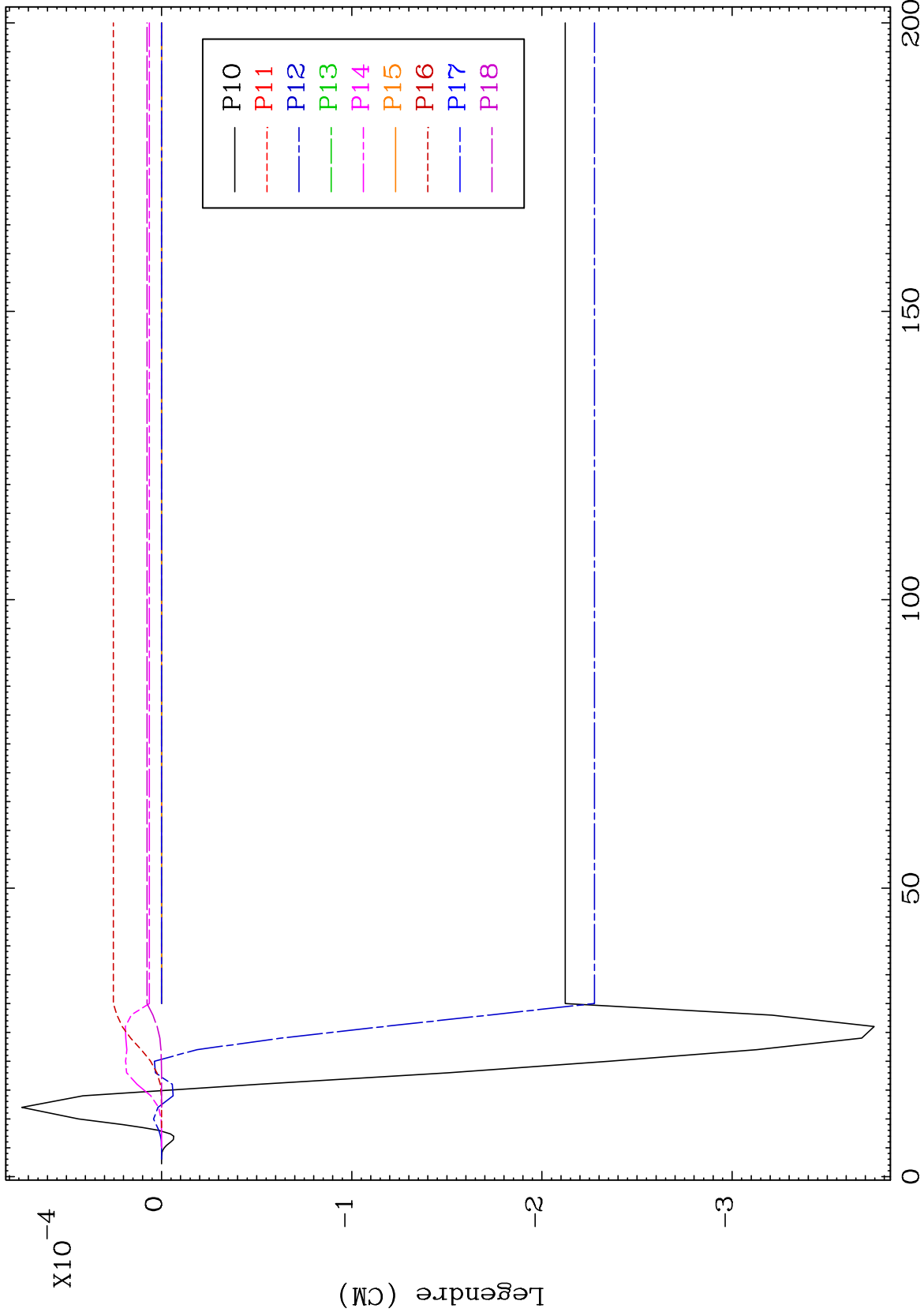
Incident Energy (MeV)

59-Pr-150

MAT 5952

907.7 keV (n,n') Level
Legendre Coefficients

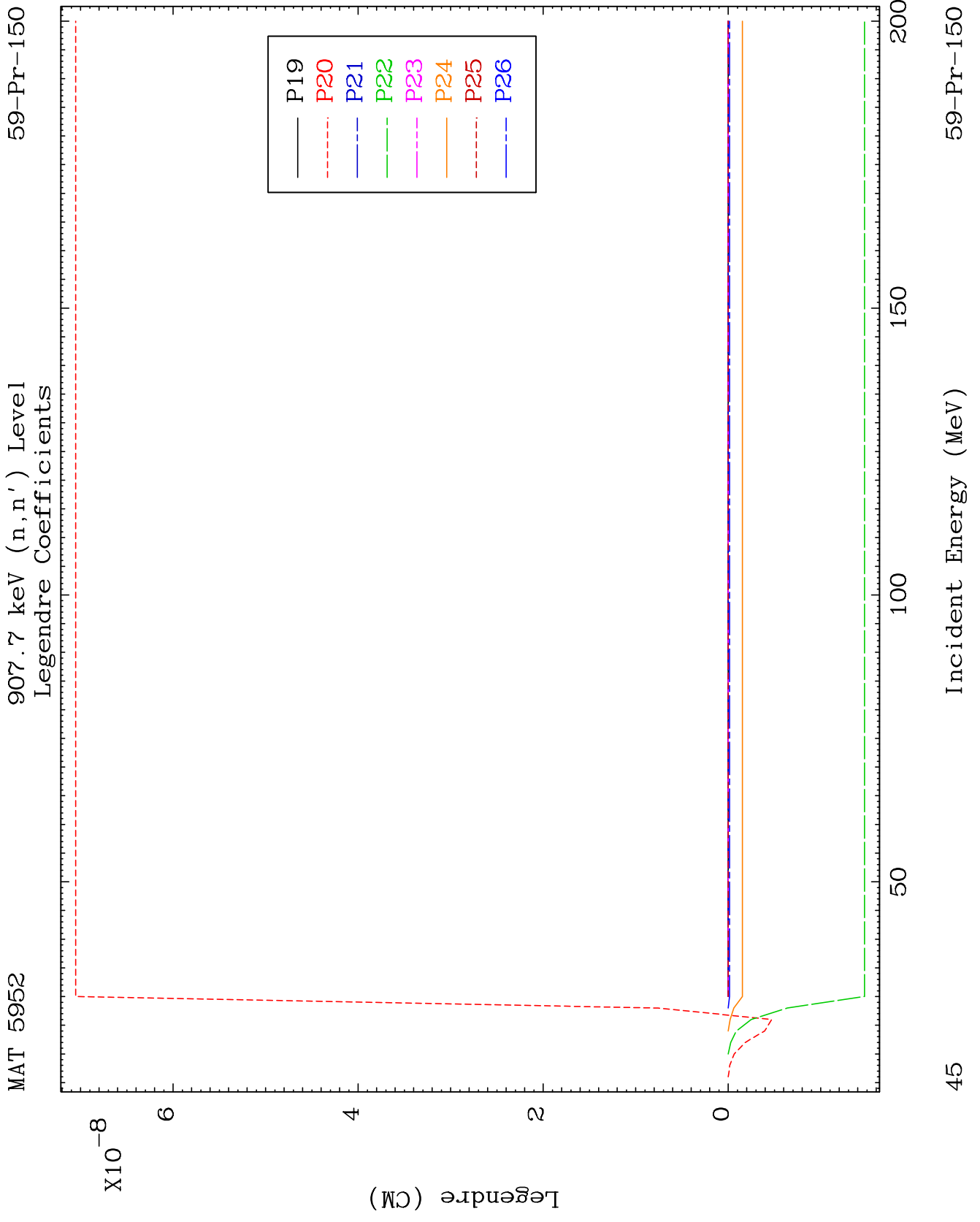
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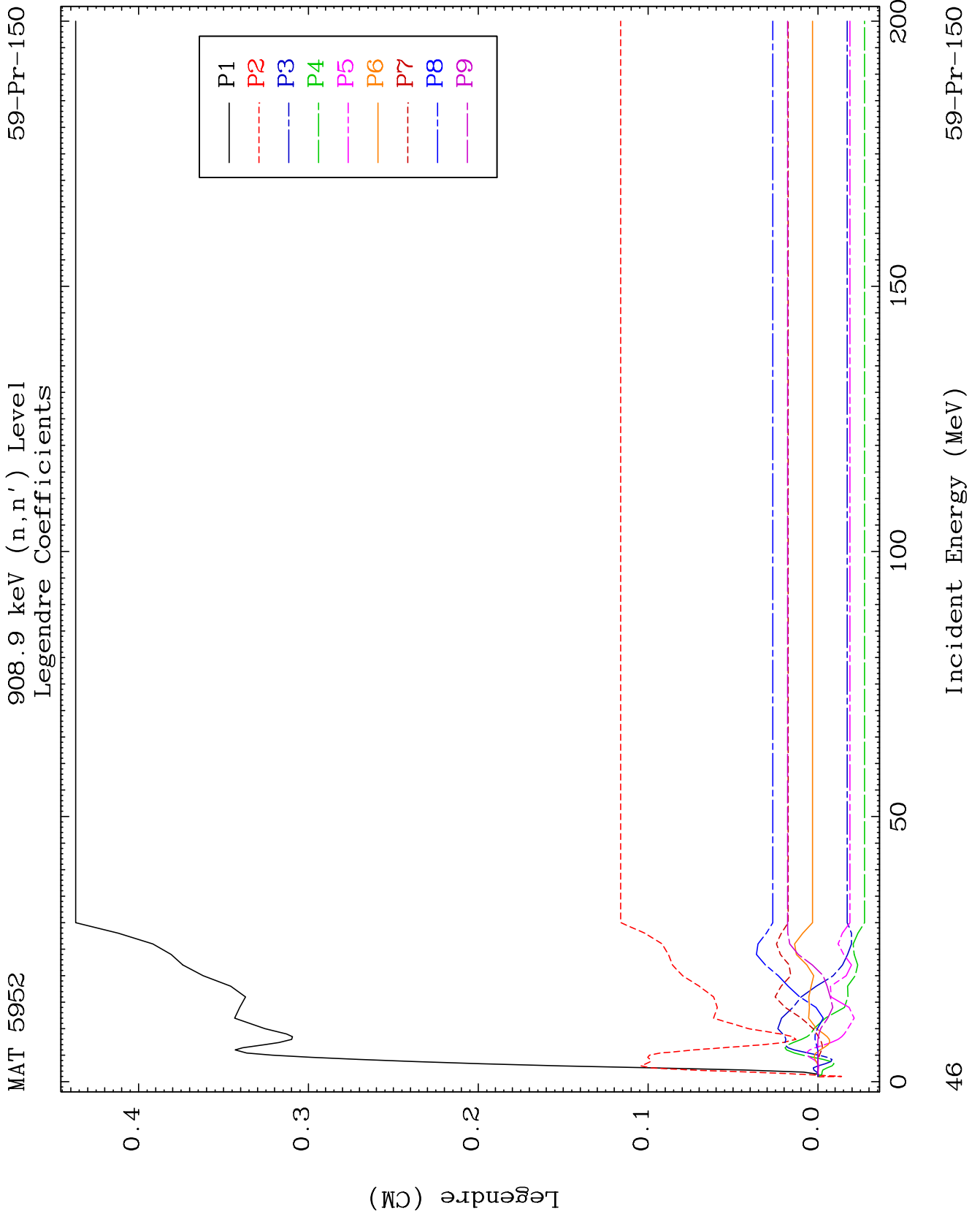


44

Incident Energy (MeV)

59-Pr-150

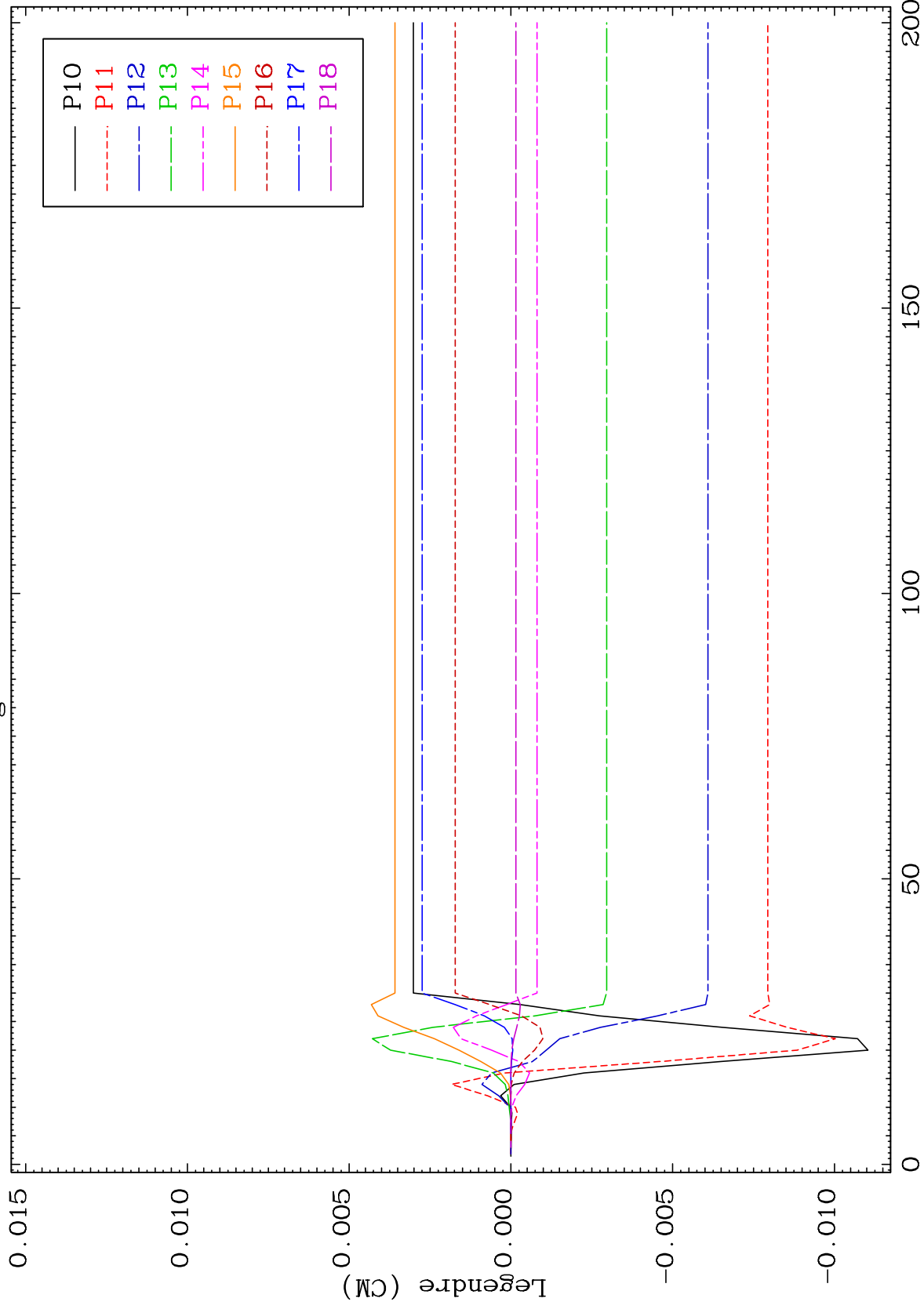




MAT 5952

908.9 keV (n,n') Level
Legendre Coefficients

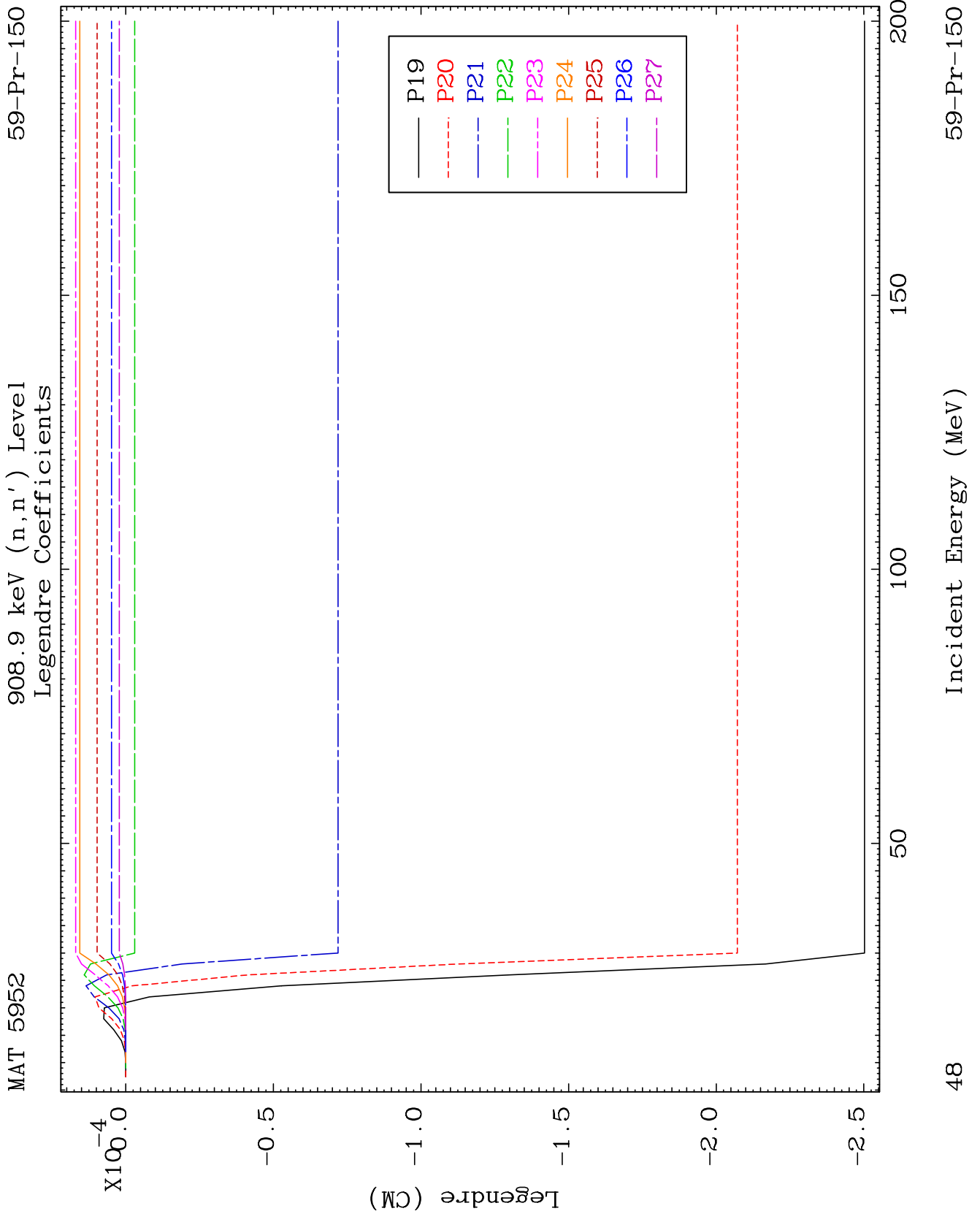
59-Pr-150



47

Incident Energy (MeV)

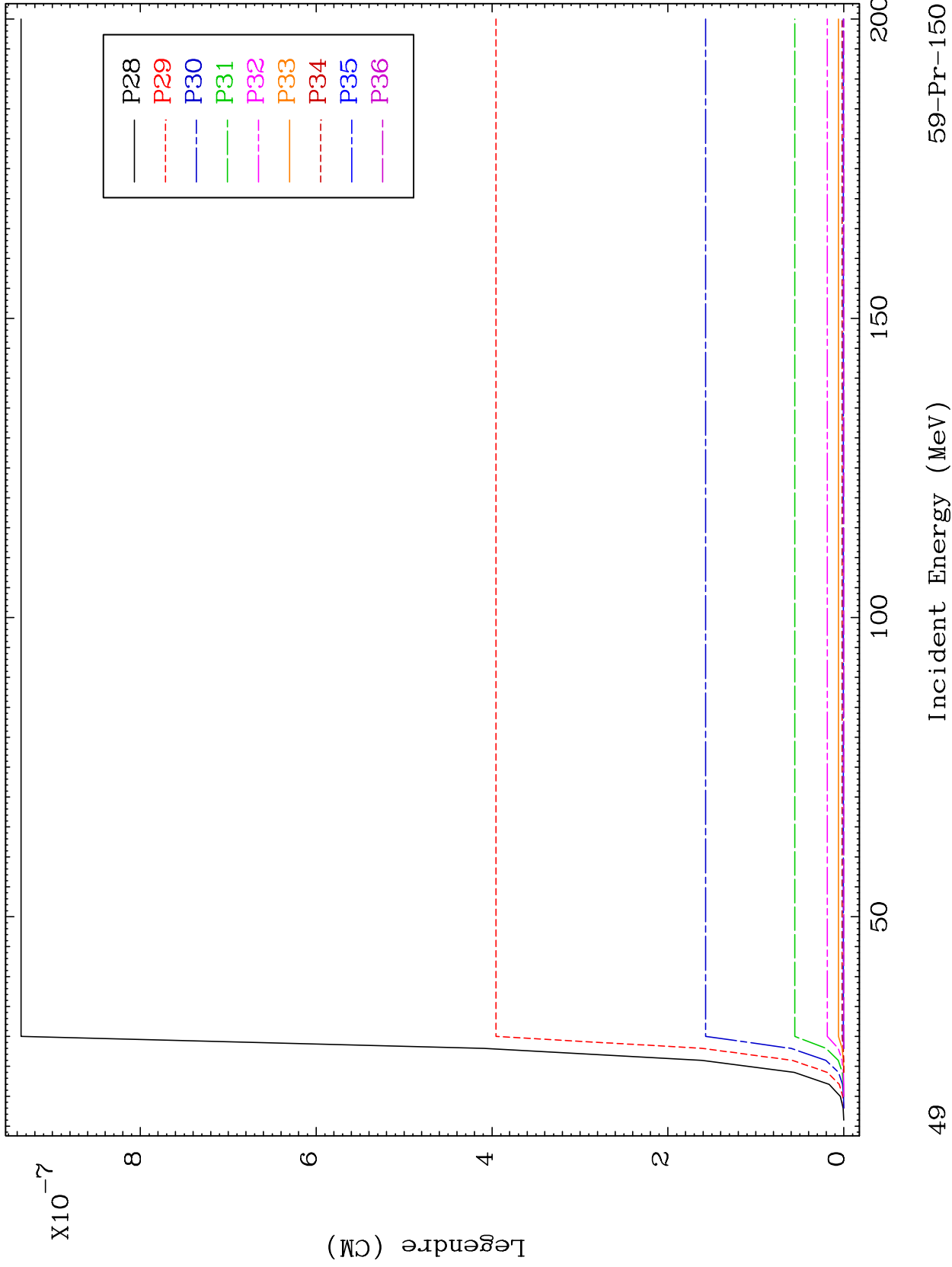
59-Pr-150



MAT 5952

908.9 keV (n,n') Level
Legendre Coefficients

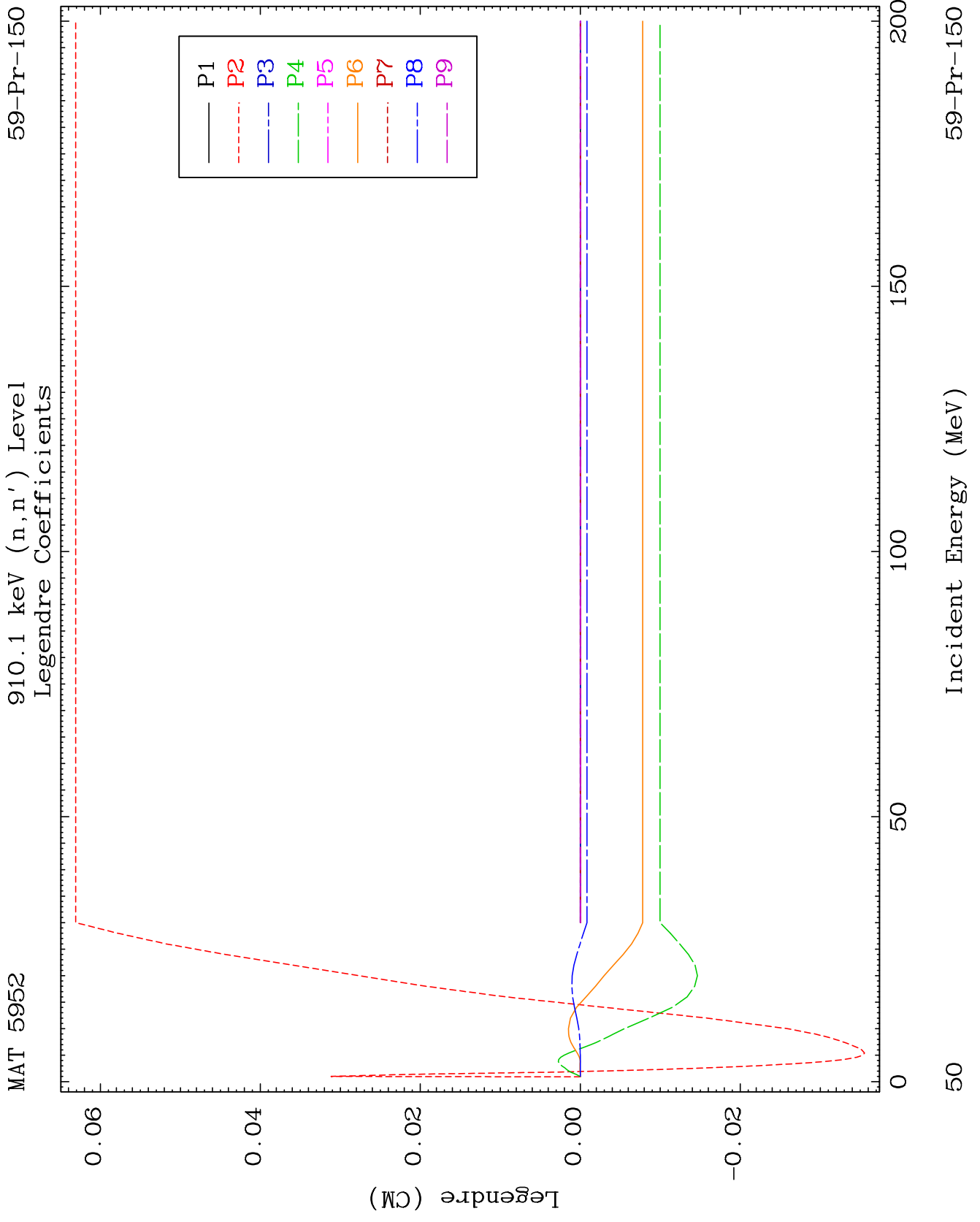
59-Pr-150



49

Incident Energy (MeV)

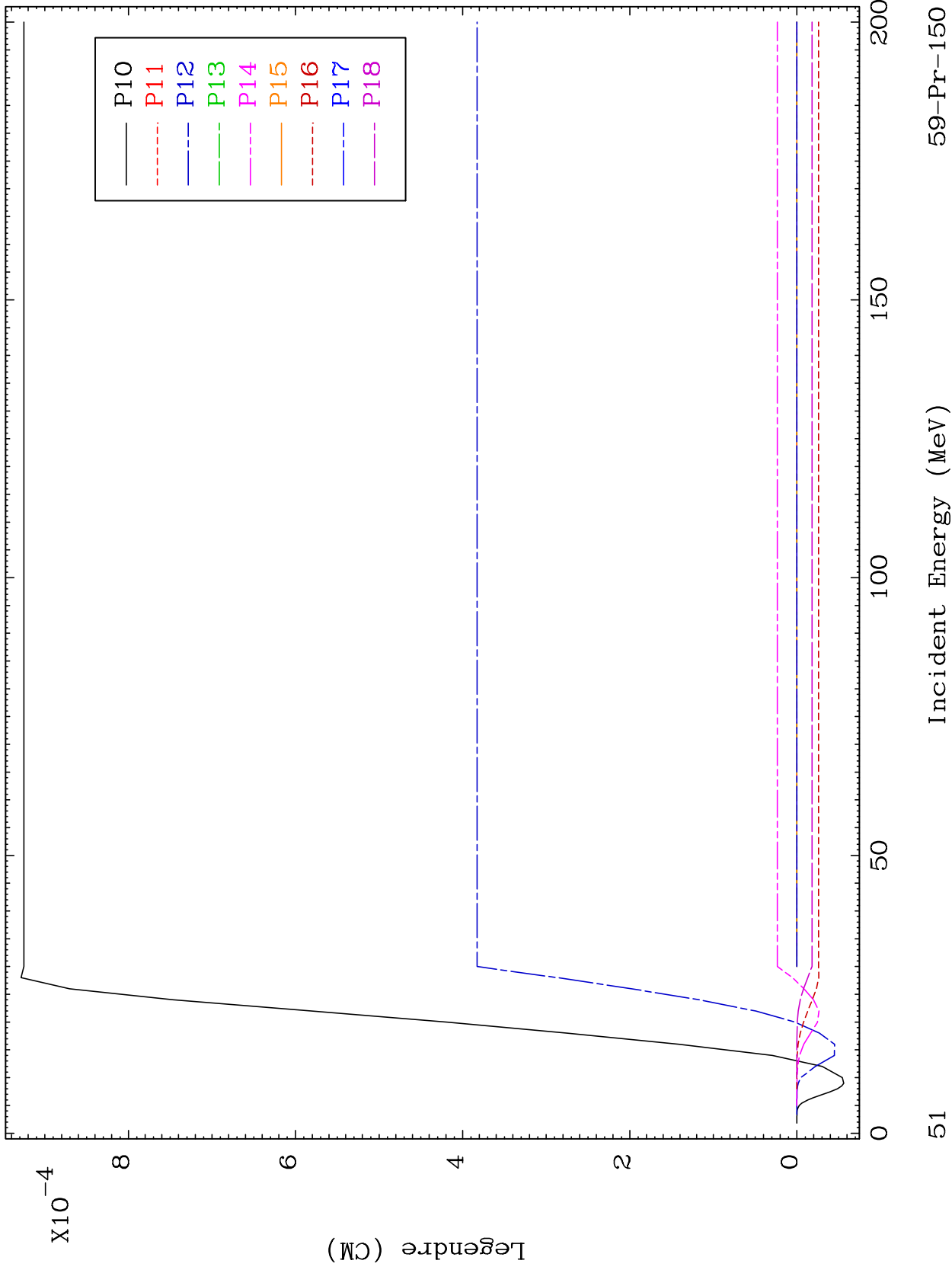
59-Pr-150



MAT 5952

910.1 keV (n,n') Level
Legendre Coefficients

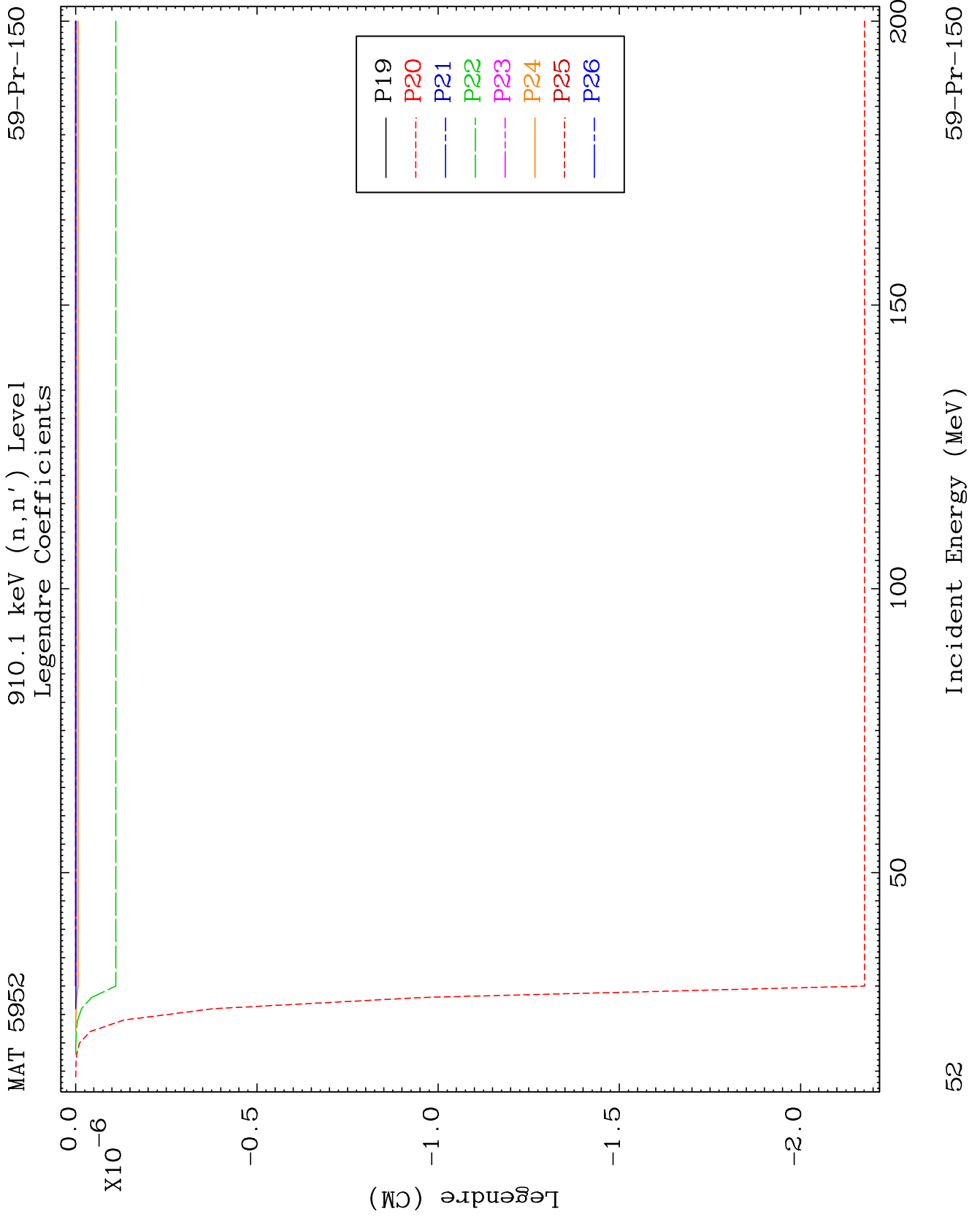
59-Pr-150



51

Incident Energy (MeV)

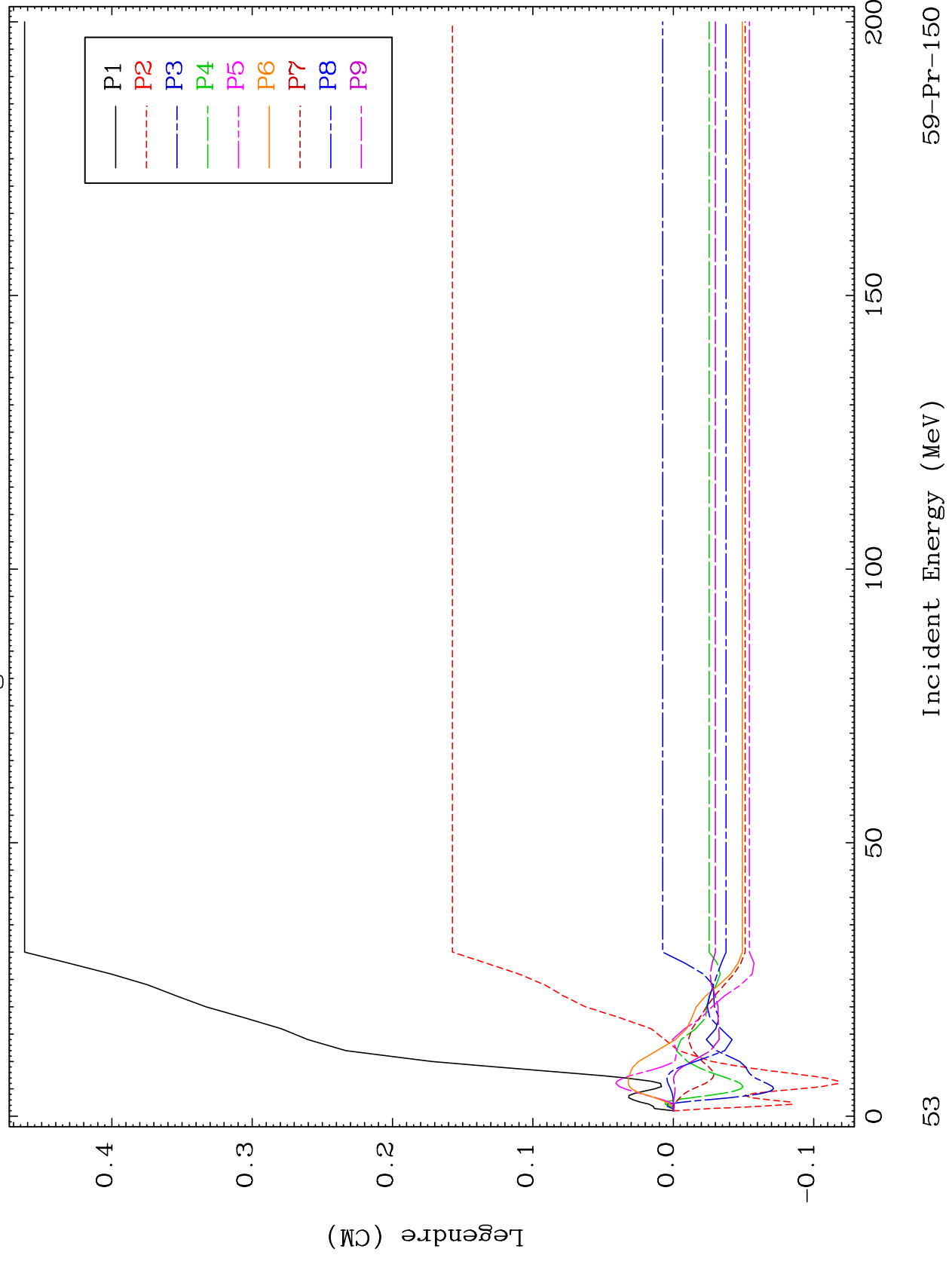
59-Pr-150



MAT 5952

912.4 keV (n,n') Level
Legendre Coefficients

59-Pr-150



59-Pr-150

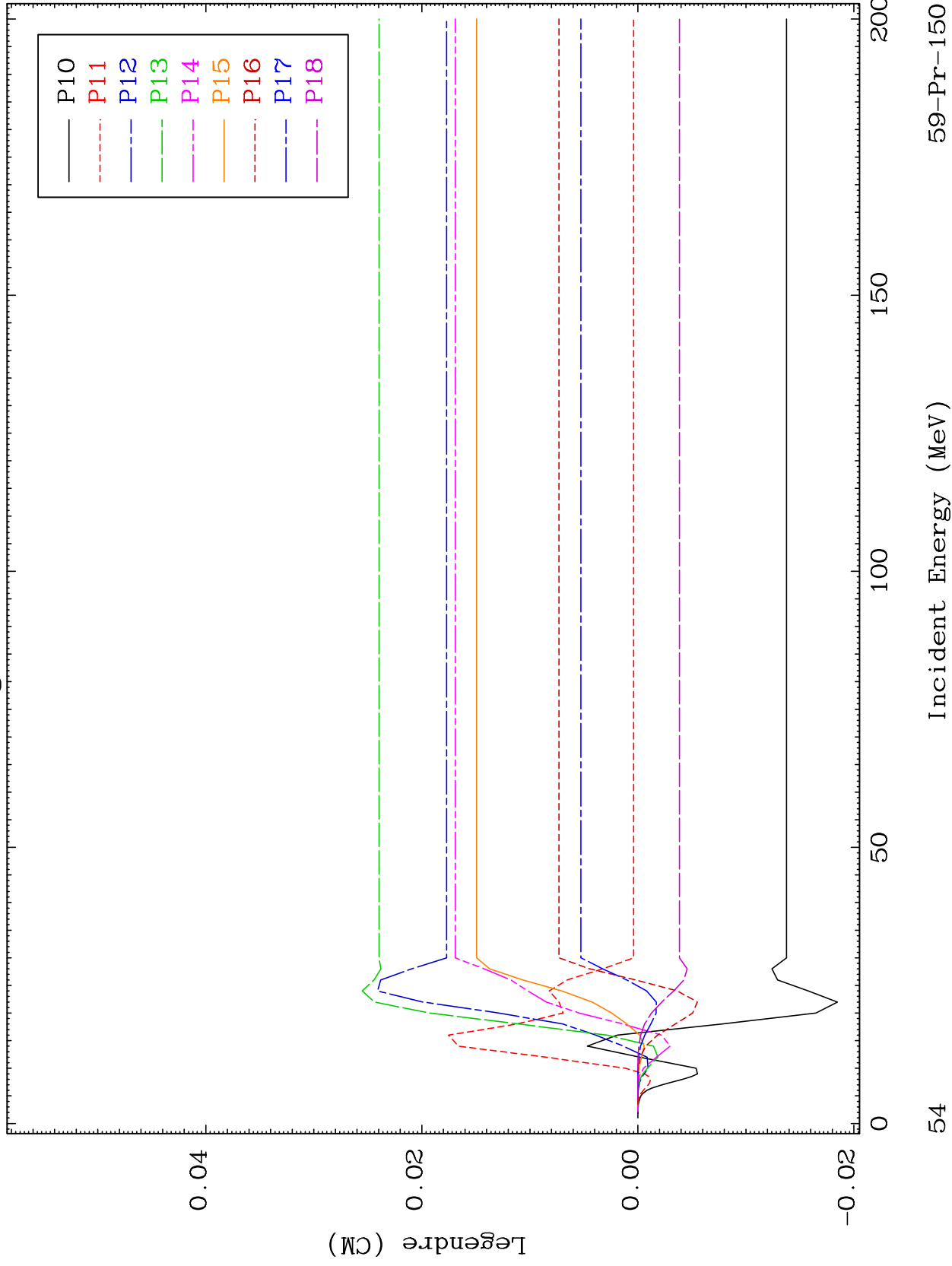
Incident Energy (MeV)

53

MAT 5952

912.4 keV (n,n') Level
Legendre Coefficients

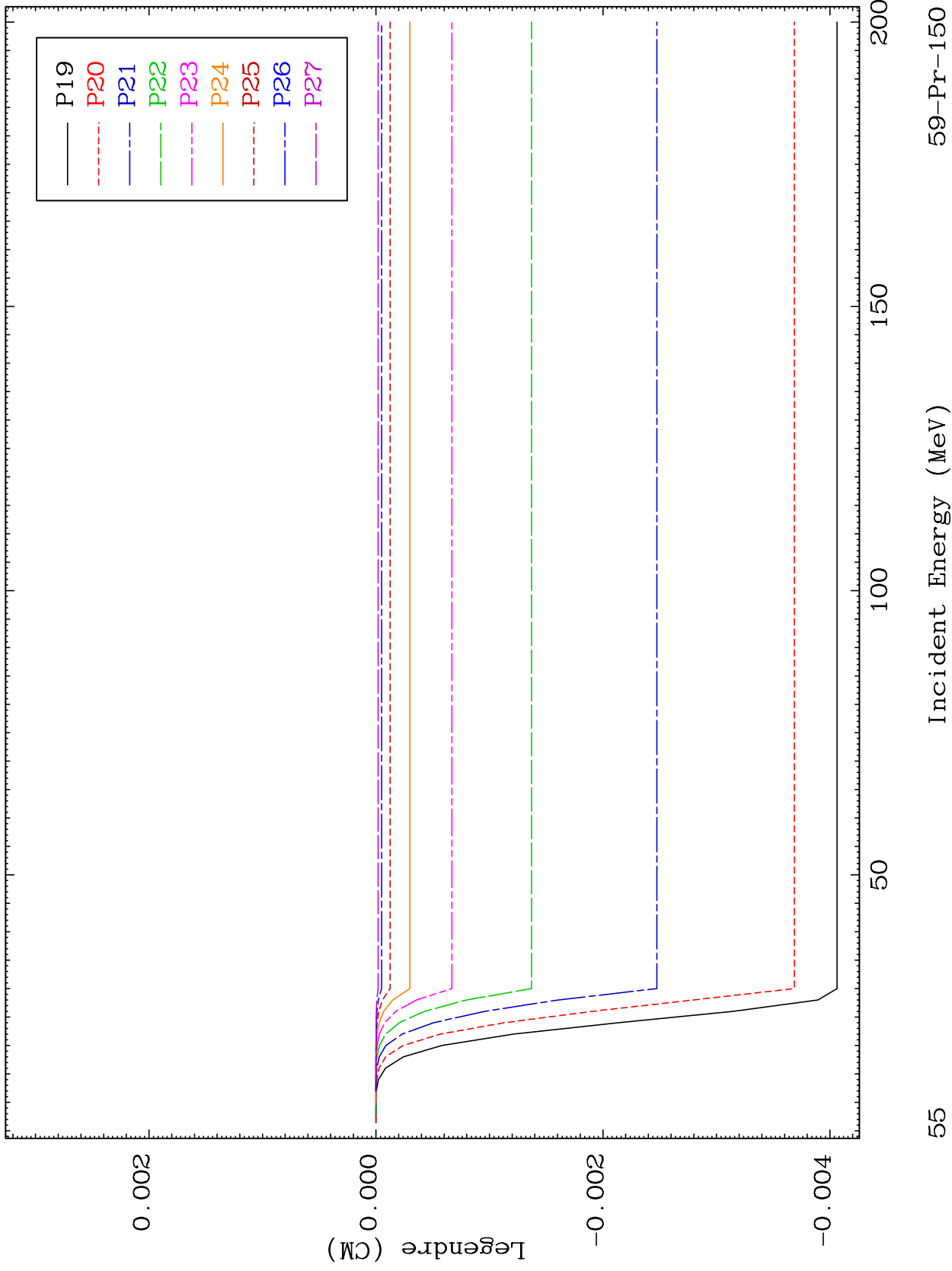
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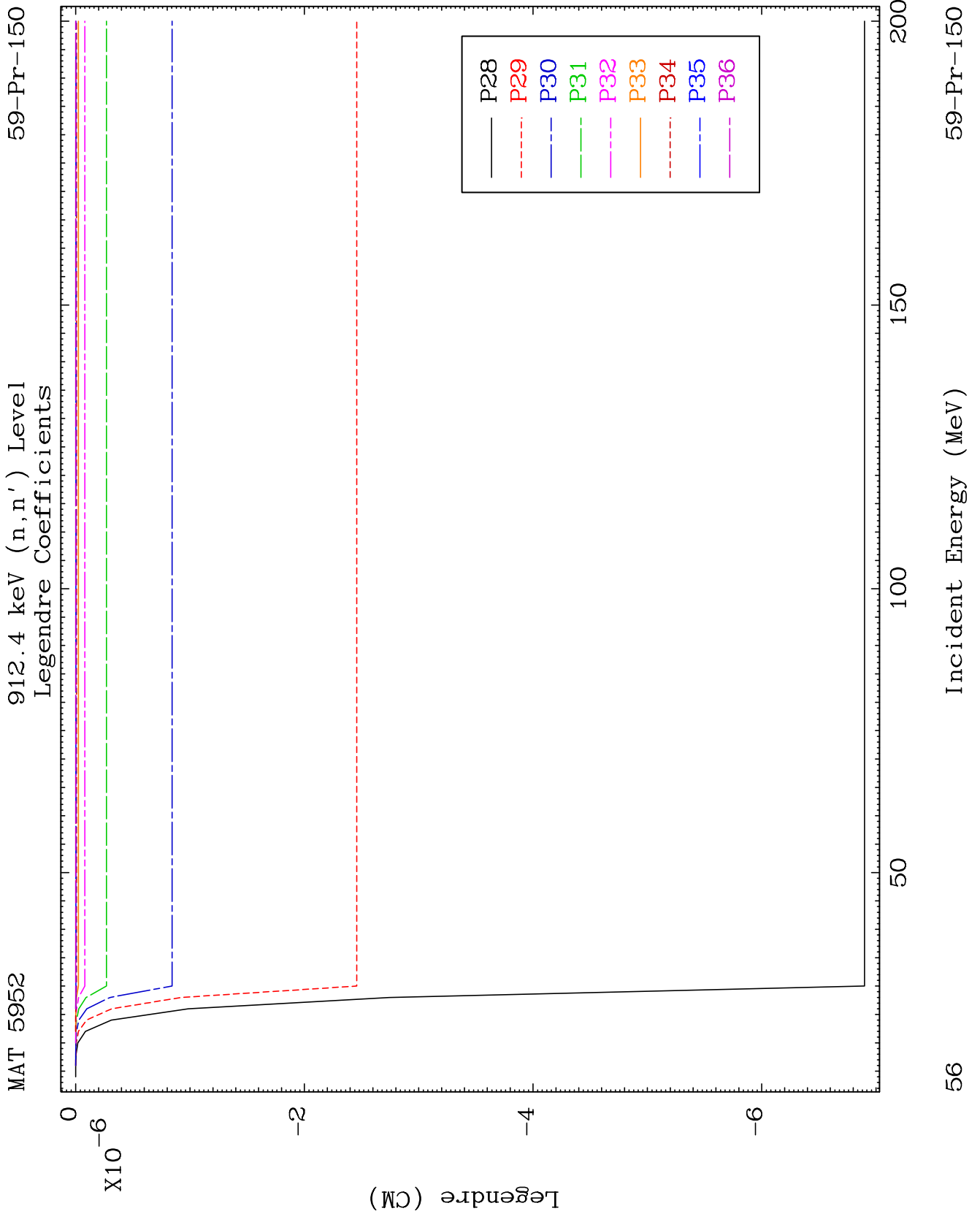


59-Pr-150

Incident Energy (MeV)

54

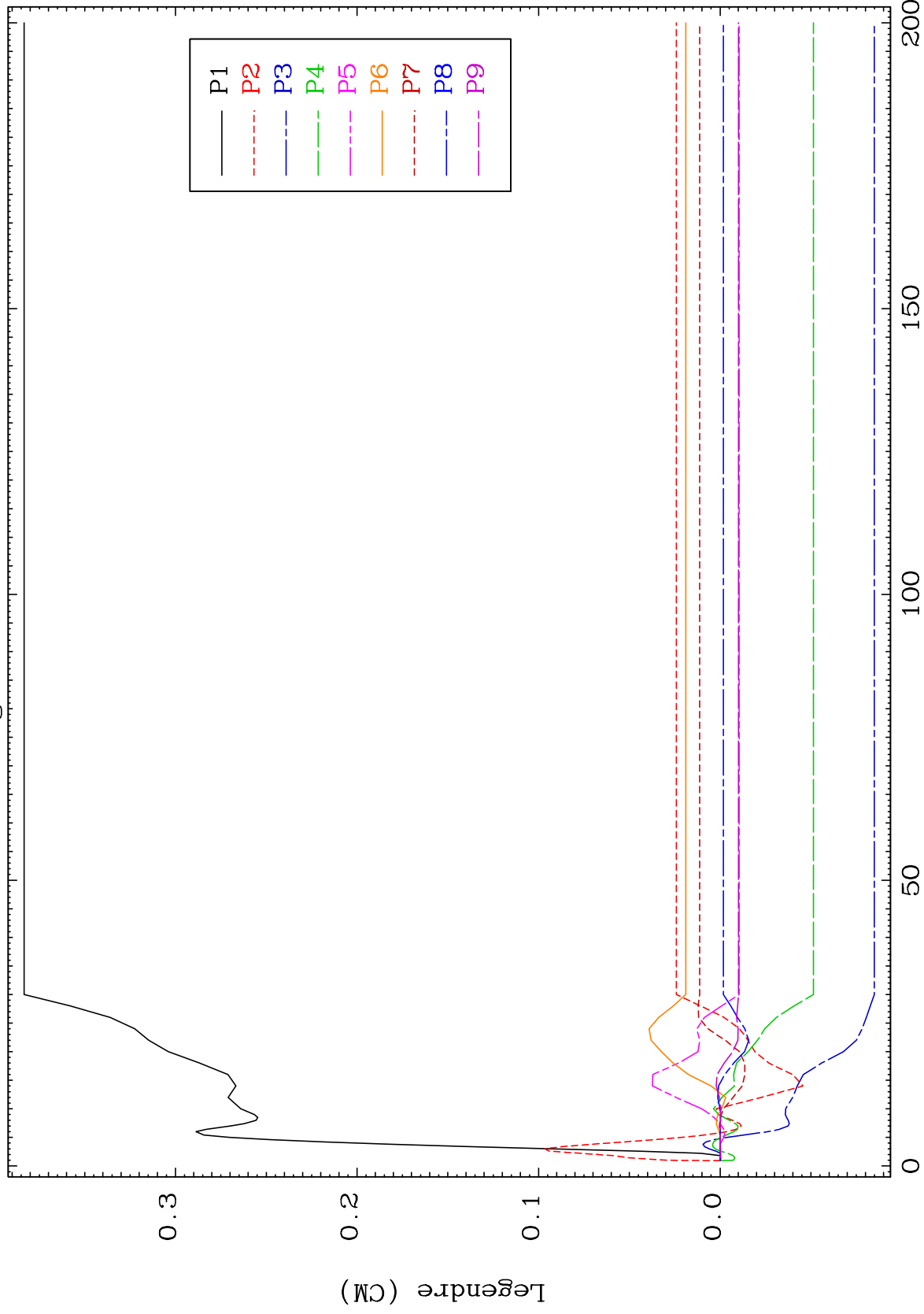




MAT 5952

913.6 keV (n,n') Level
Legendre Coefficients

59-Pr-150



57

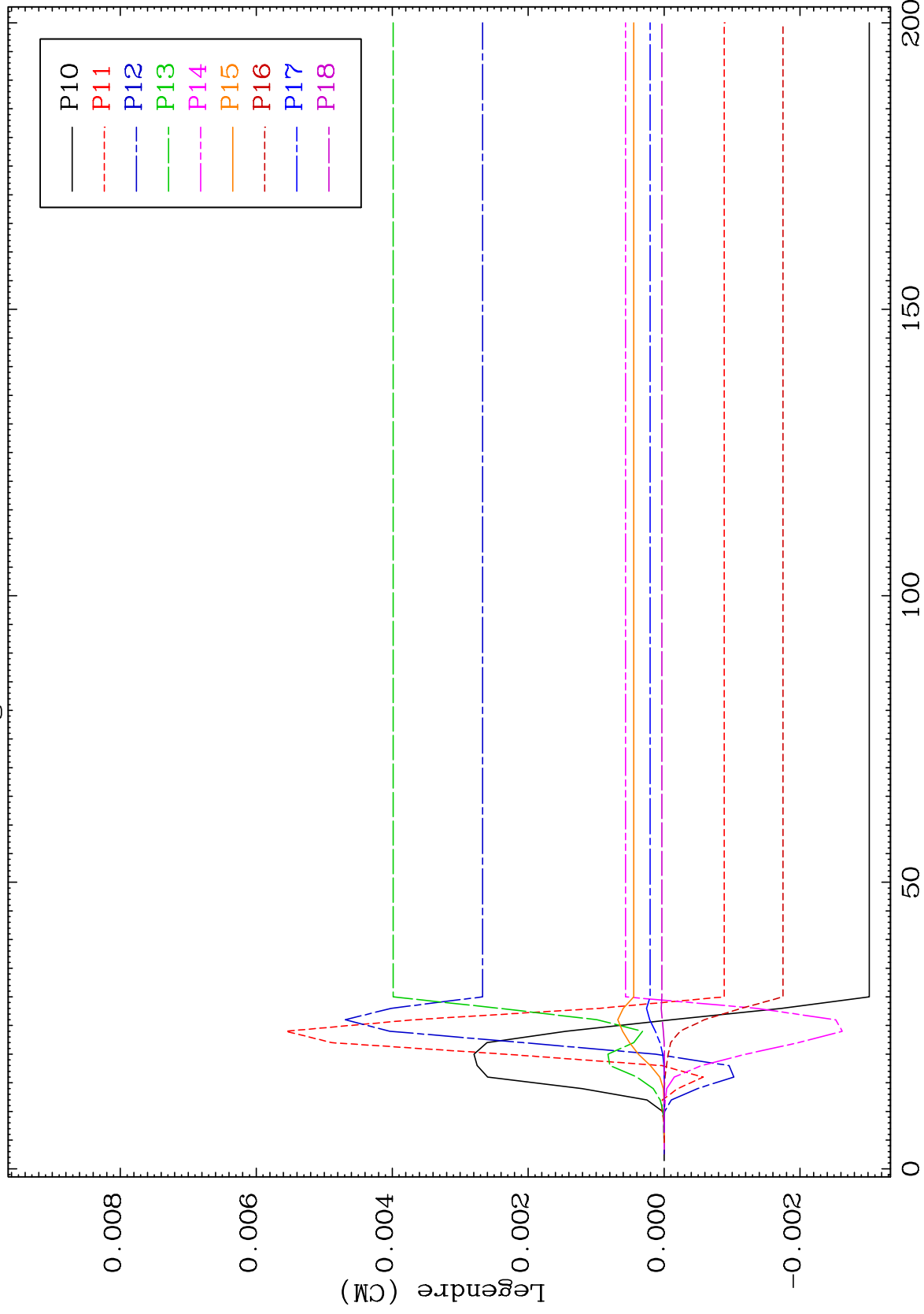
Incident Energy (MeV)

59-Pr-150

MAT 5952

913.6 keV (n,n') Level
Legendre Coefficients

59-Pr-150



58

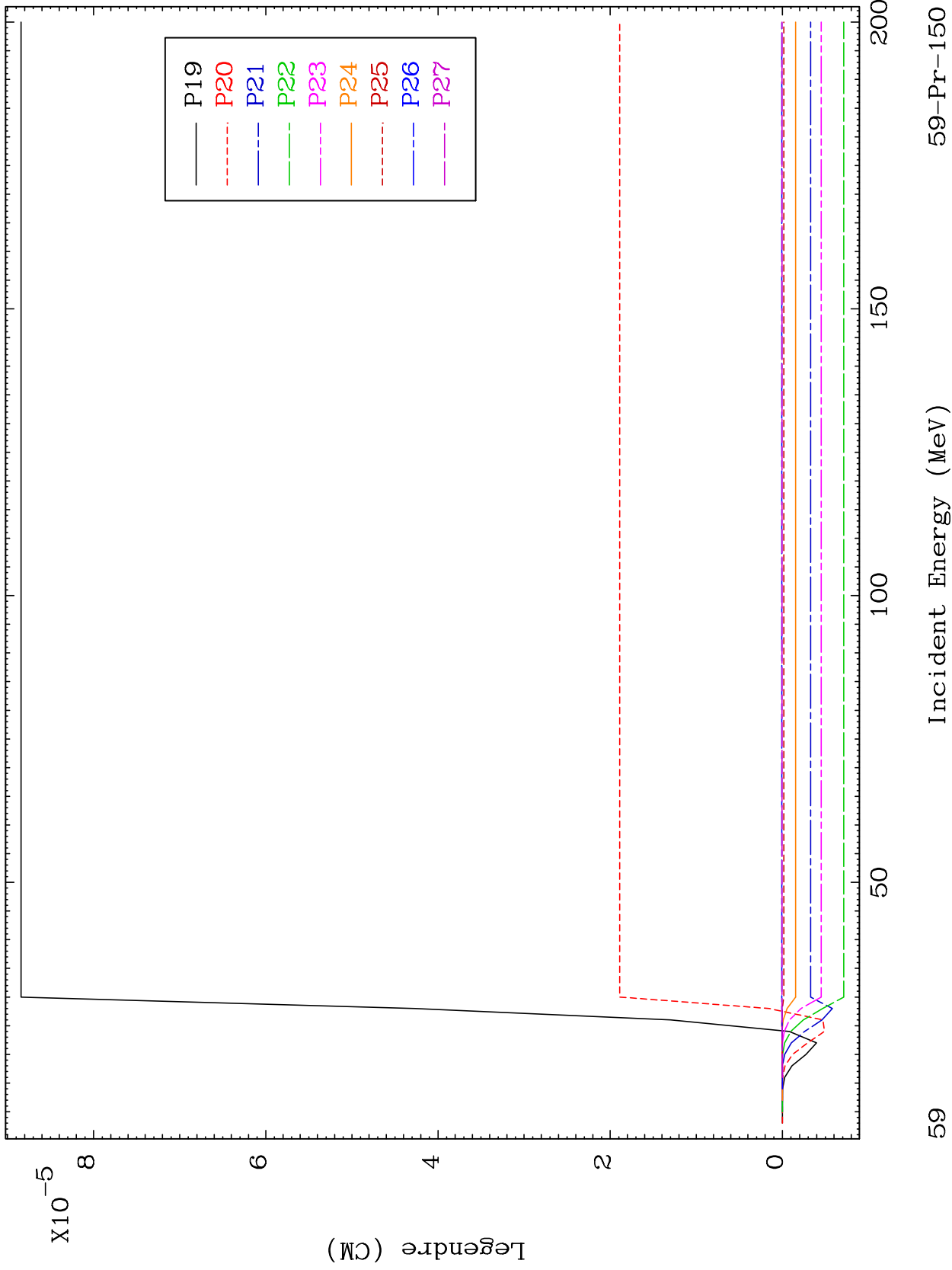
Incident Energy (MeV)

59-Pr-150

MAT 5952

913.6 keV (n,n') Level
Legendre Coefficients

59-Pr-150



59

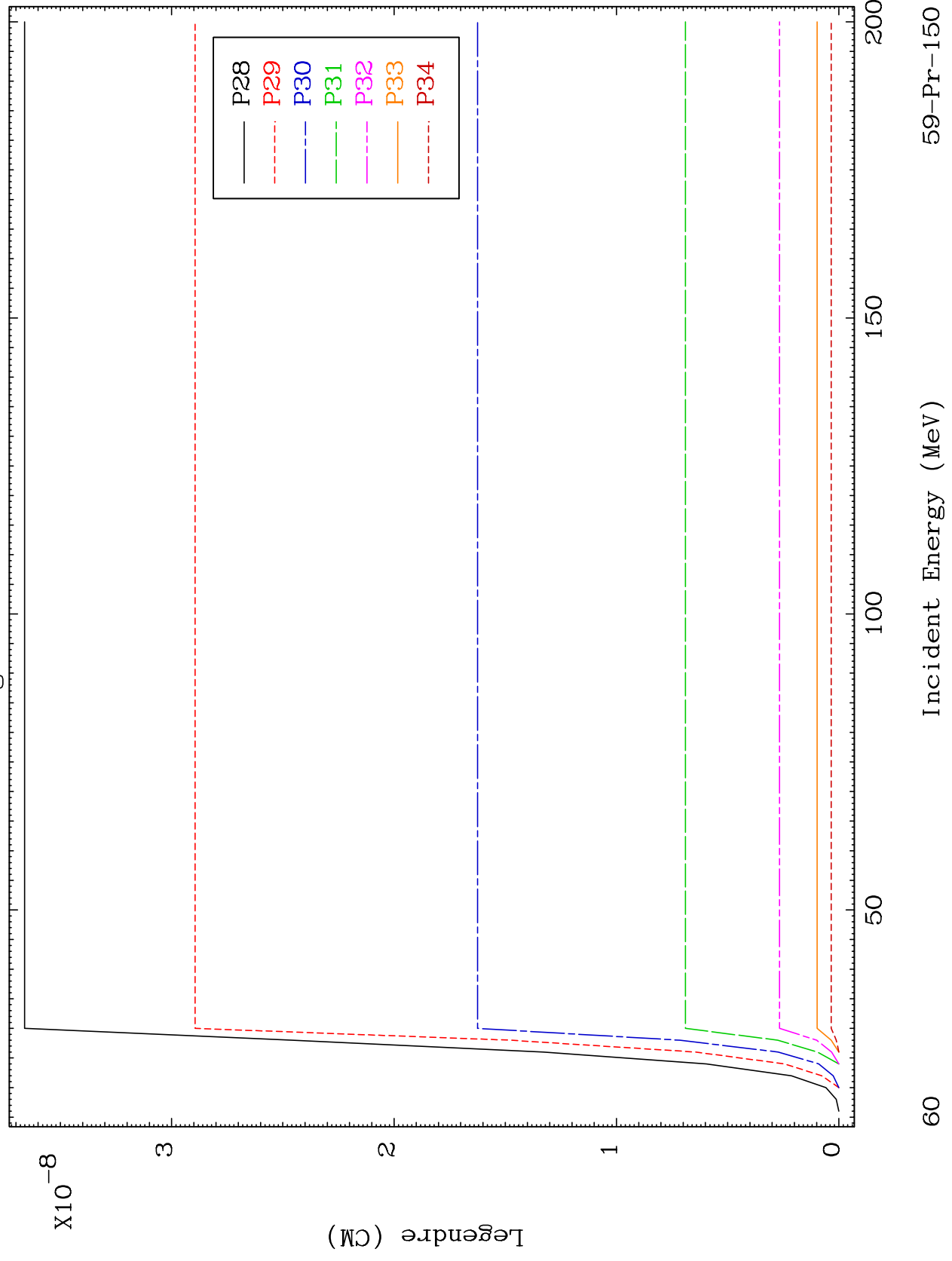
Incident Energy (MeV)

59-Pr-150

MAT 5952

913.6 keV (n,n') Level
Legendre Coefficients

59-Pr-150

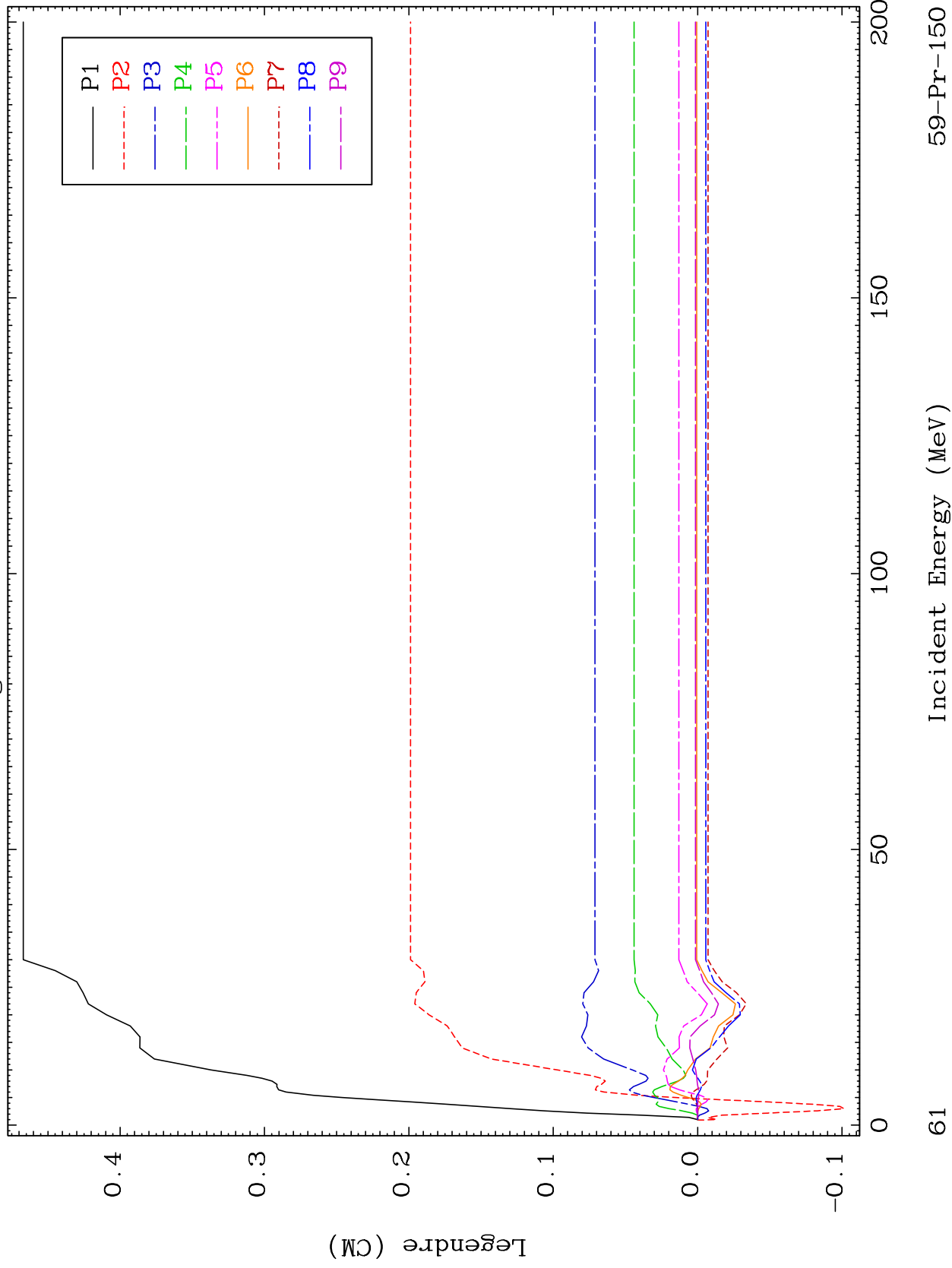


59-Pr-150

MAT 5952

915.2 keV (n,n') Level
Legendre Coefficients

59-Pr-150



59-Pr-150

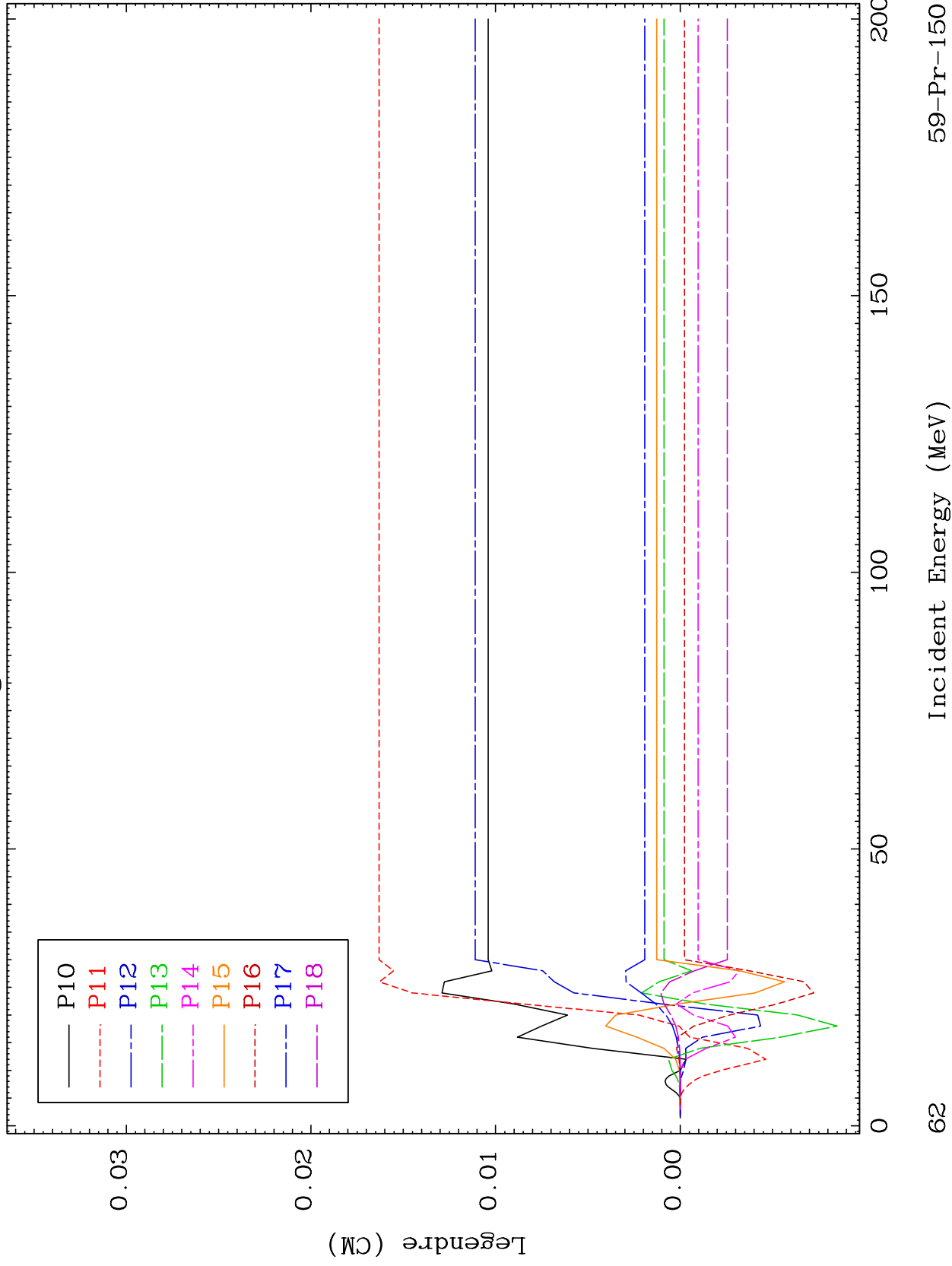
Incident Energy (MeV)

61

MAT 5952

915.2 keV (n,n') Level
Legendre Coefficients

59-Pr-150



59-Pr-150

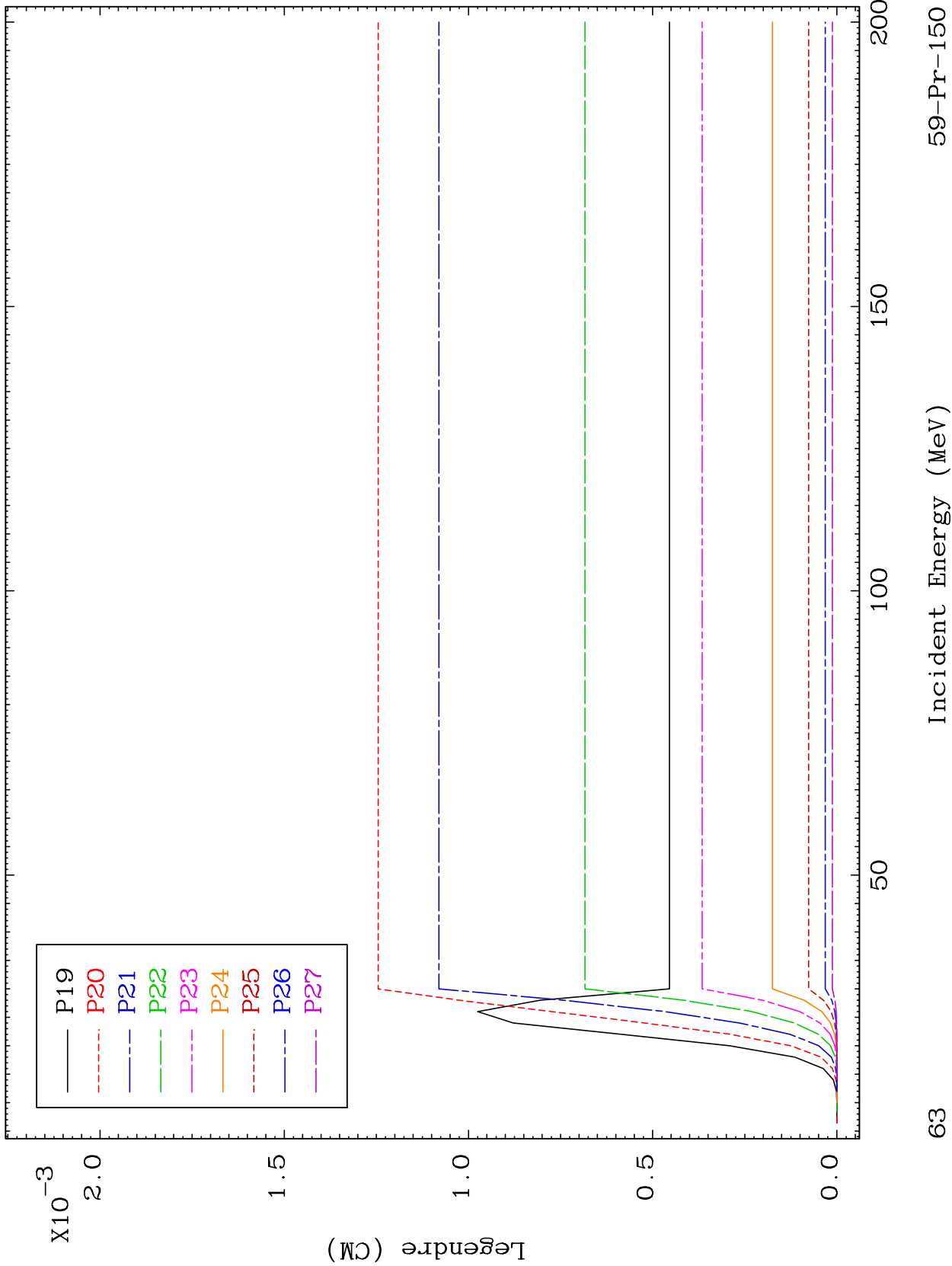
Incident Energy (MeV)

62

MAT 5952

915.2 keV (n, n') Level
Legendre Coefficients

59-Pr-150

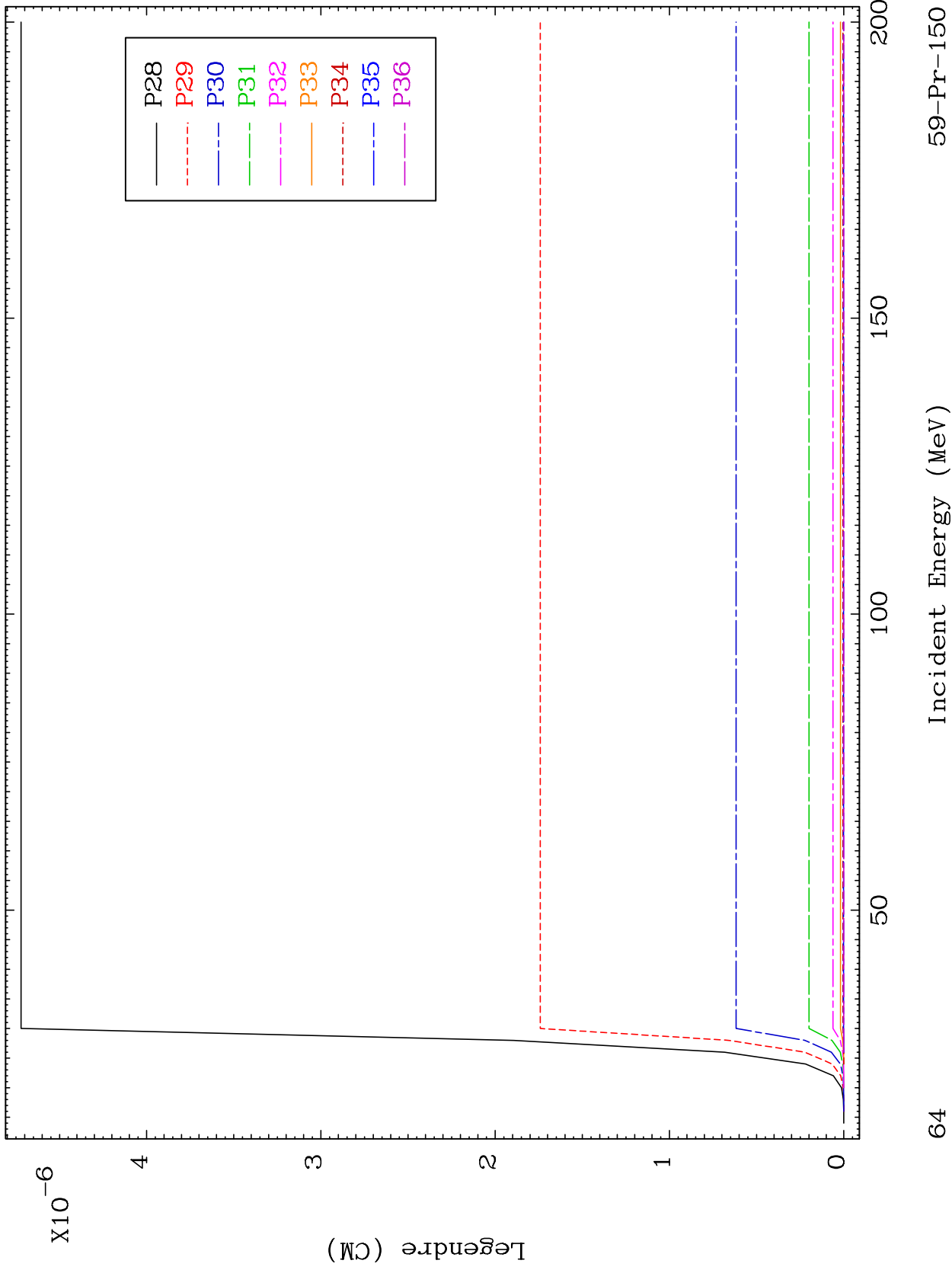


63

MAT 5952

915.2 keV (n,n') Level
Legendre Coefficients

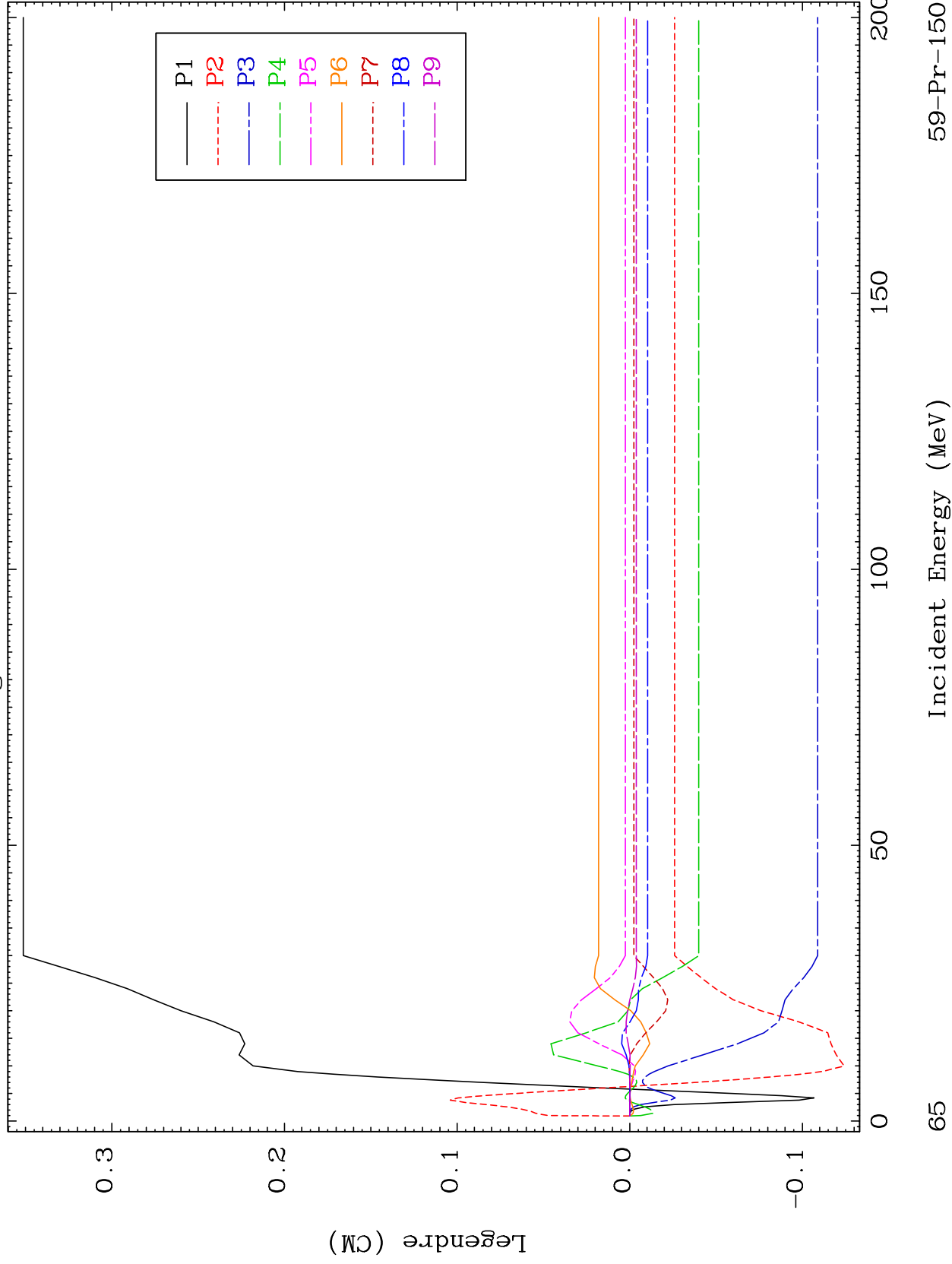
59-Pr-150



MAT 5952

917.2 keV (n,n') Level
Legendre Coefficients

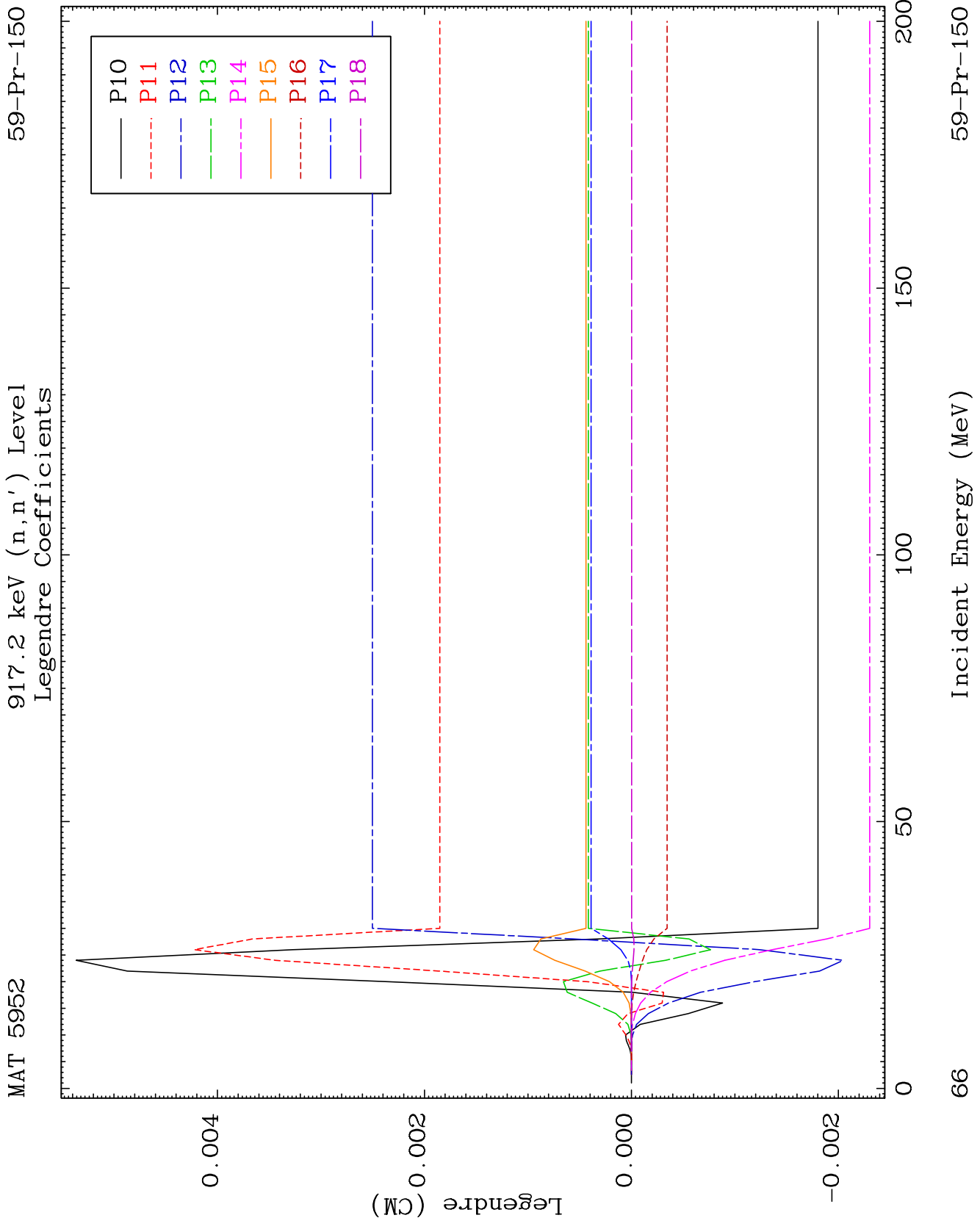
59-Pr-150

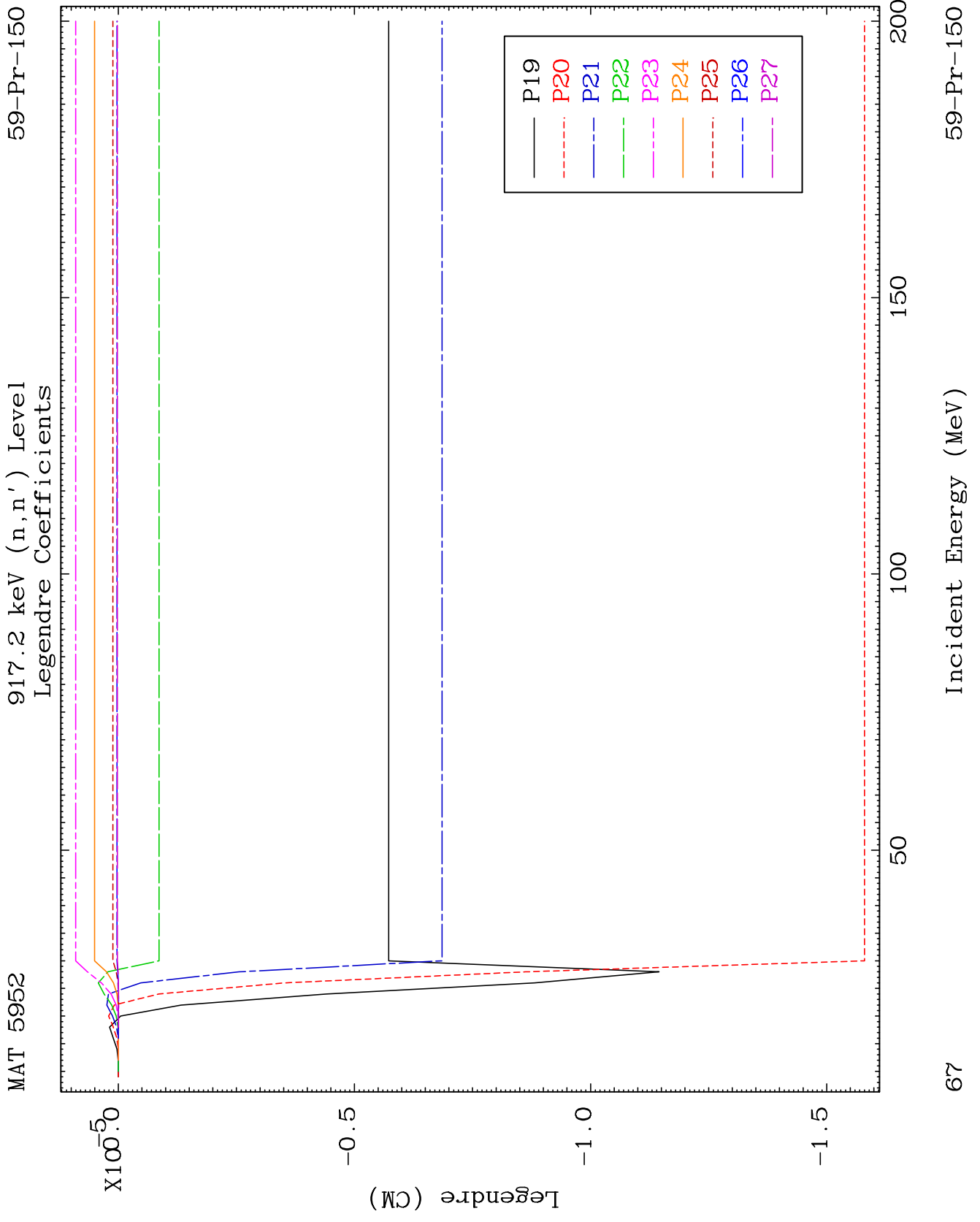


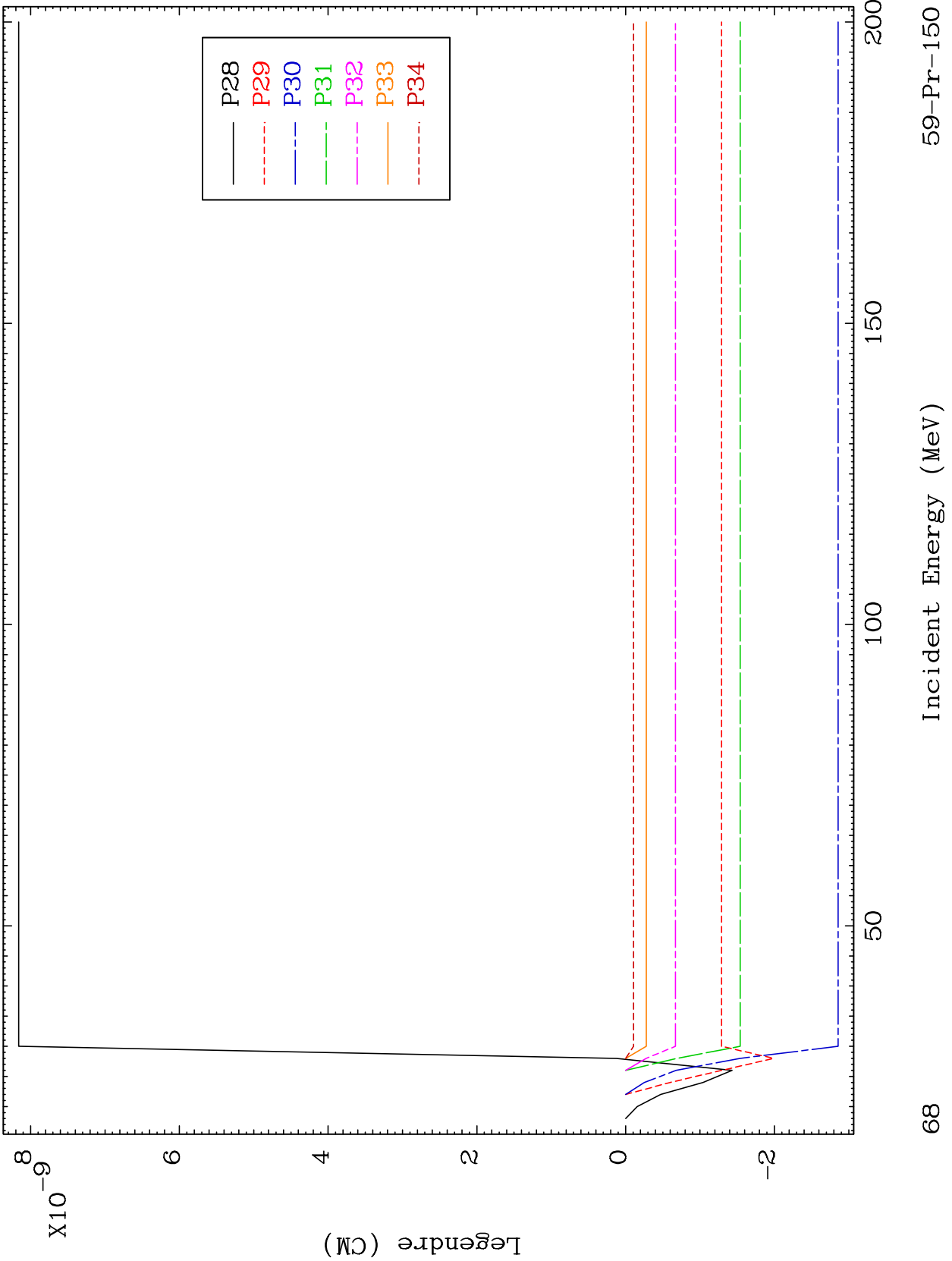
59-Pr-150

Incident Energy (MeV)

65



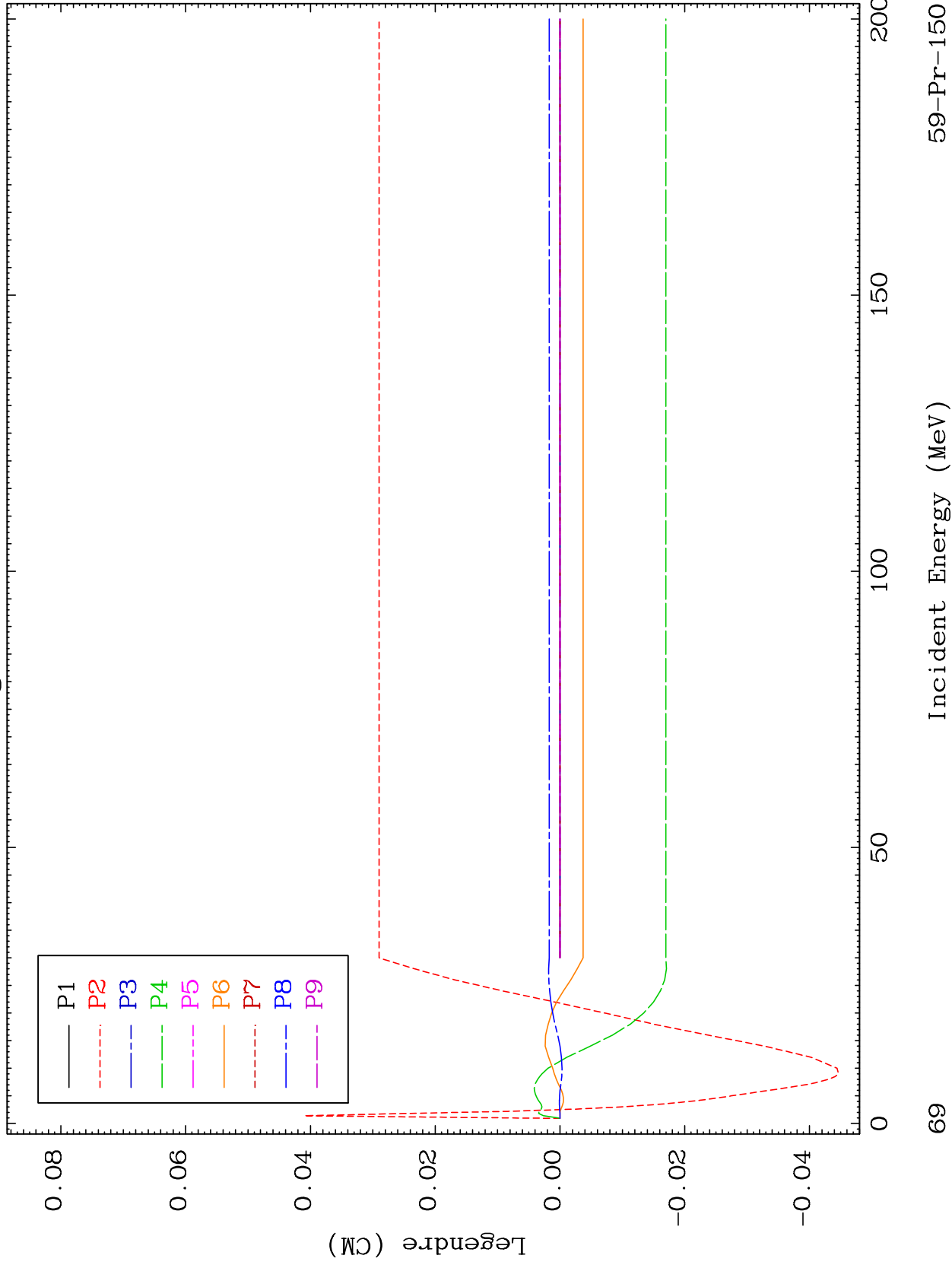




MAT 5952

918.2 keV (n,n') Level
Legendre Coefficients

59-Pr-150



59-Pr-150

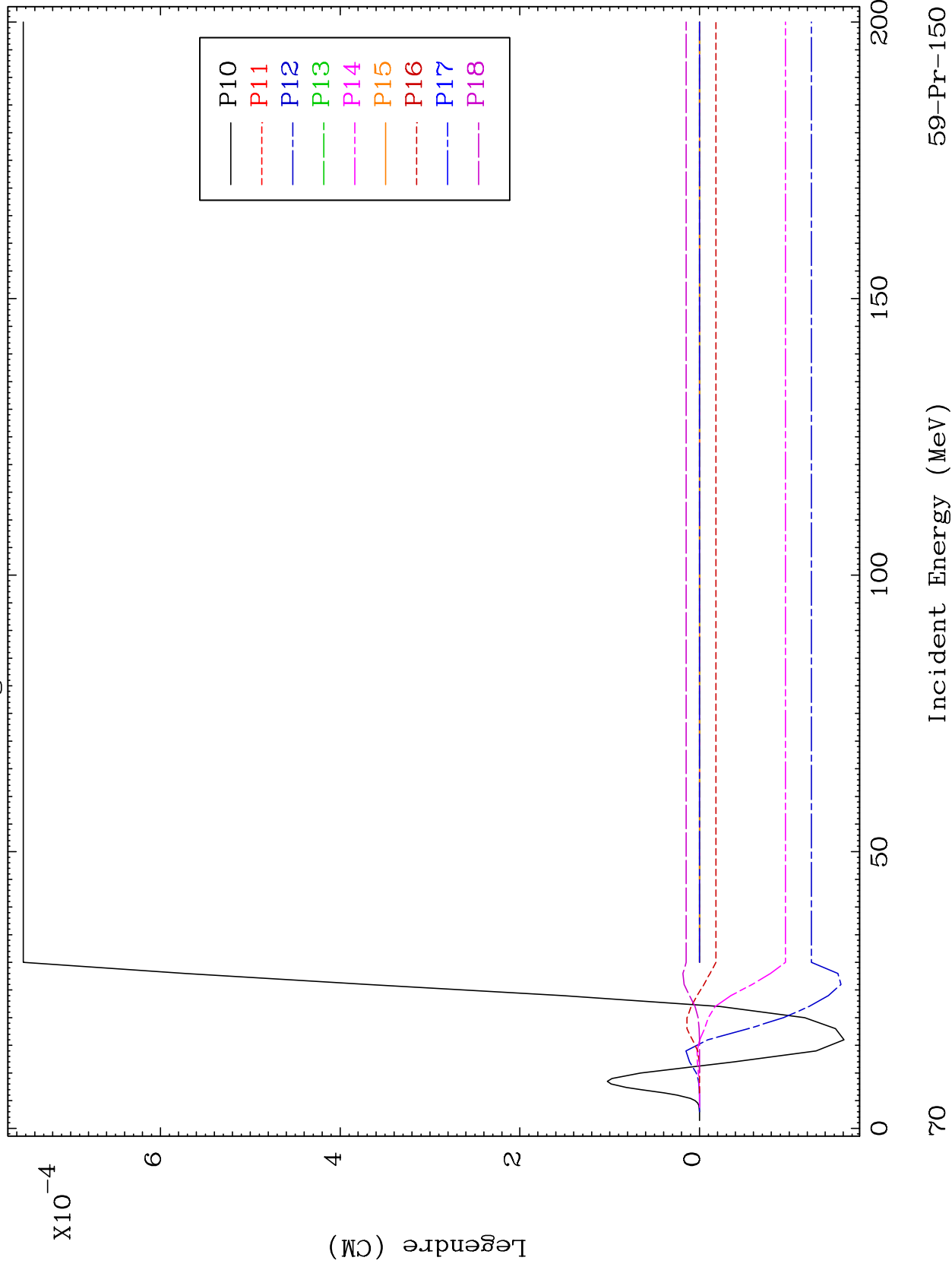
Incident Energy (MeV)

69

MAT 5952

918.2 keV (n,n') Level
Legendre Coefficients

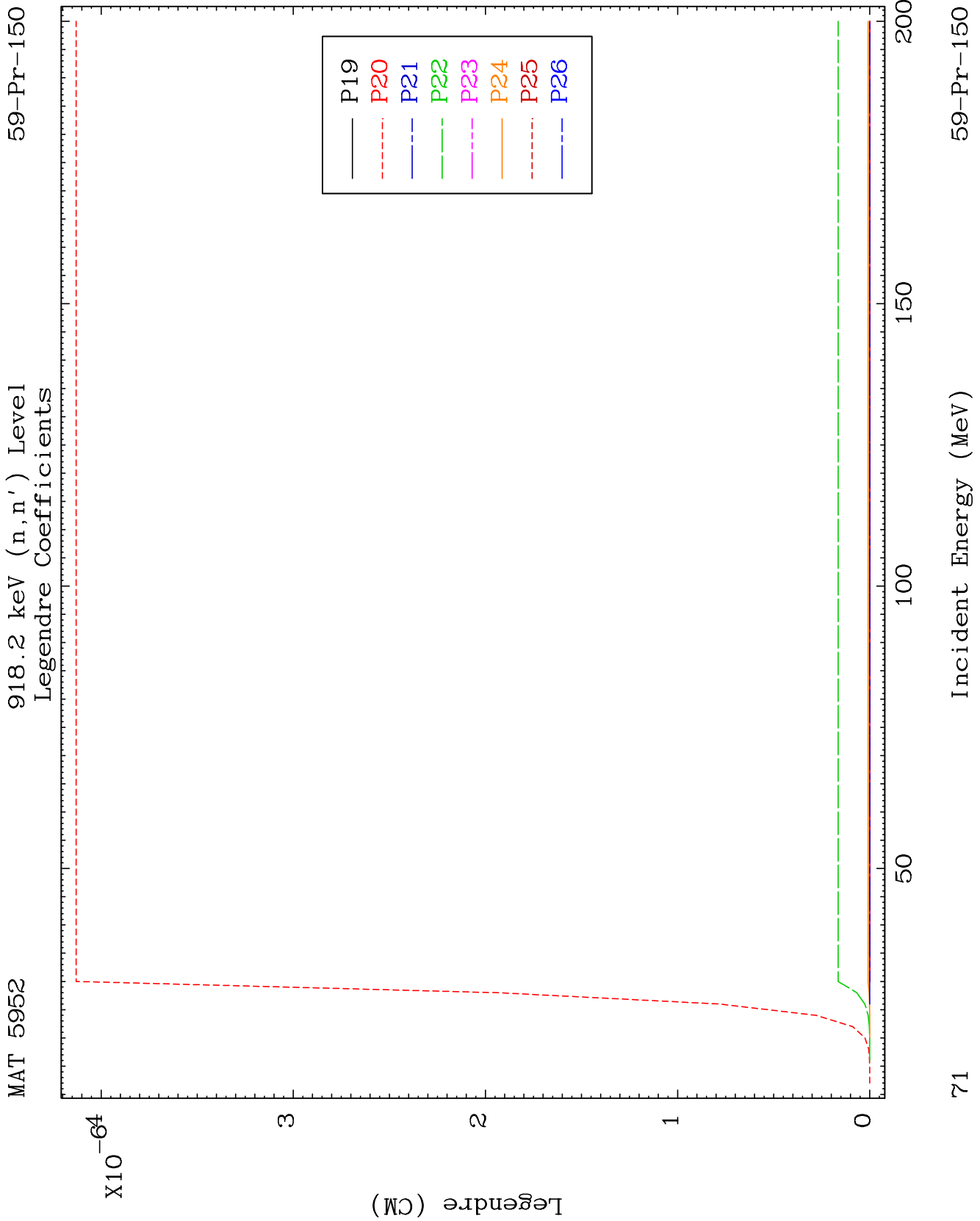
59-Pr-150



59-Pr-150

Incident Energy (MeV)

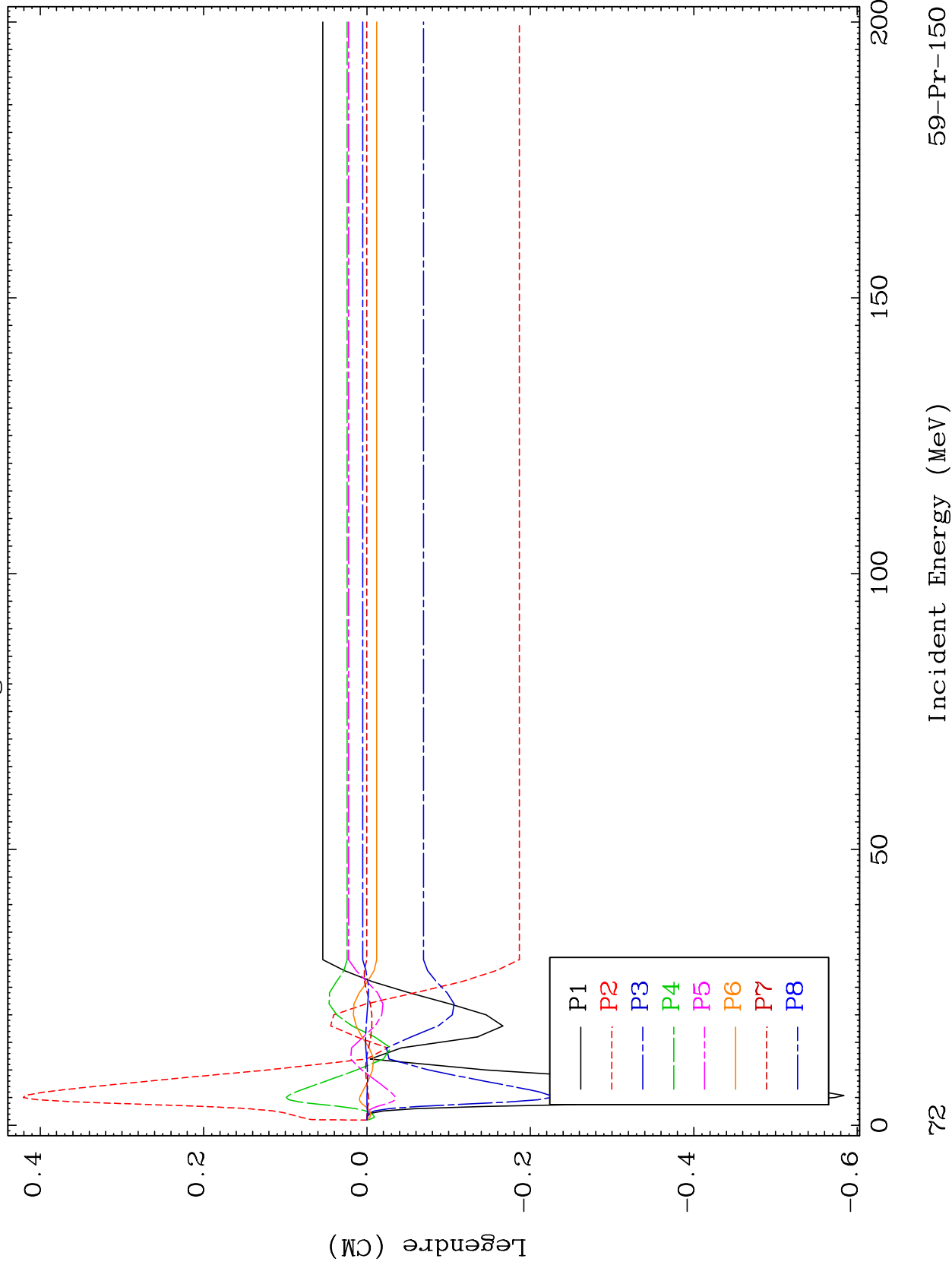
70



MAT 5952

919.2 keV (n,n') Level
Legendre Coefficients

59-Pr-150



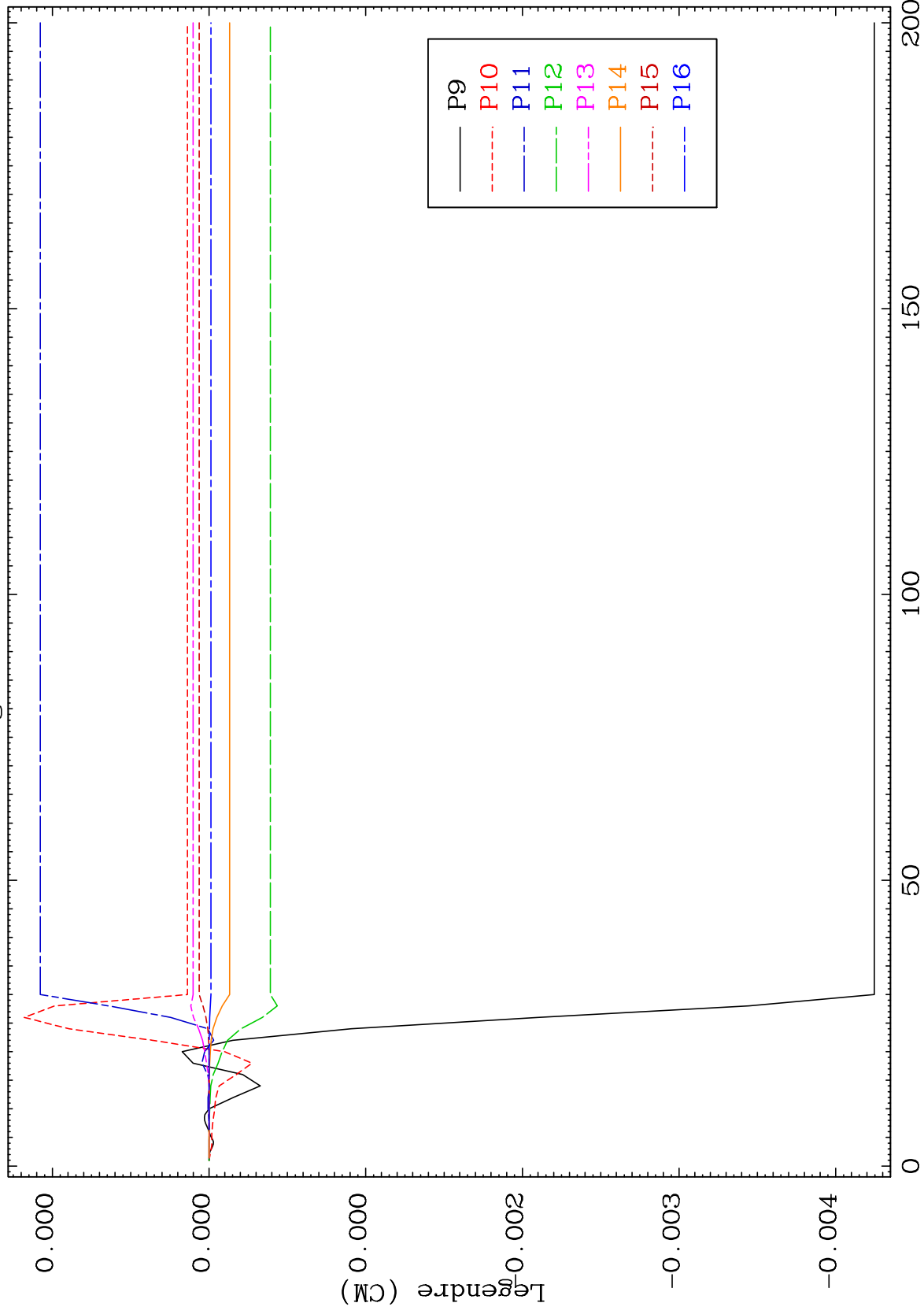
72

59-Pr-150

MAT 5952

919.2 keV (n,n') Level
Legendre Coefficients

59-Pr-150



73

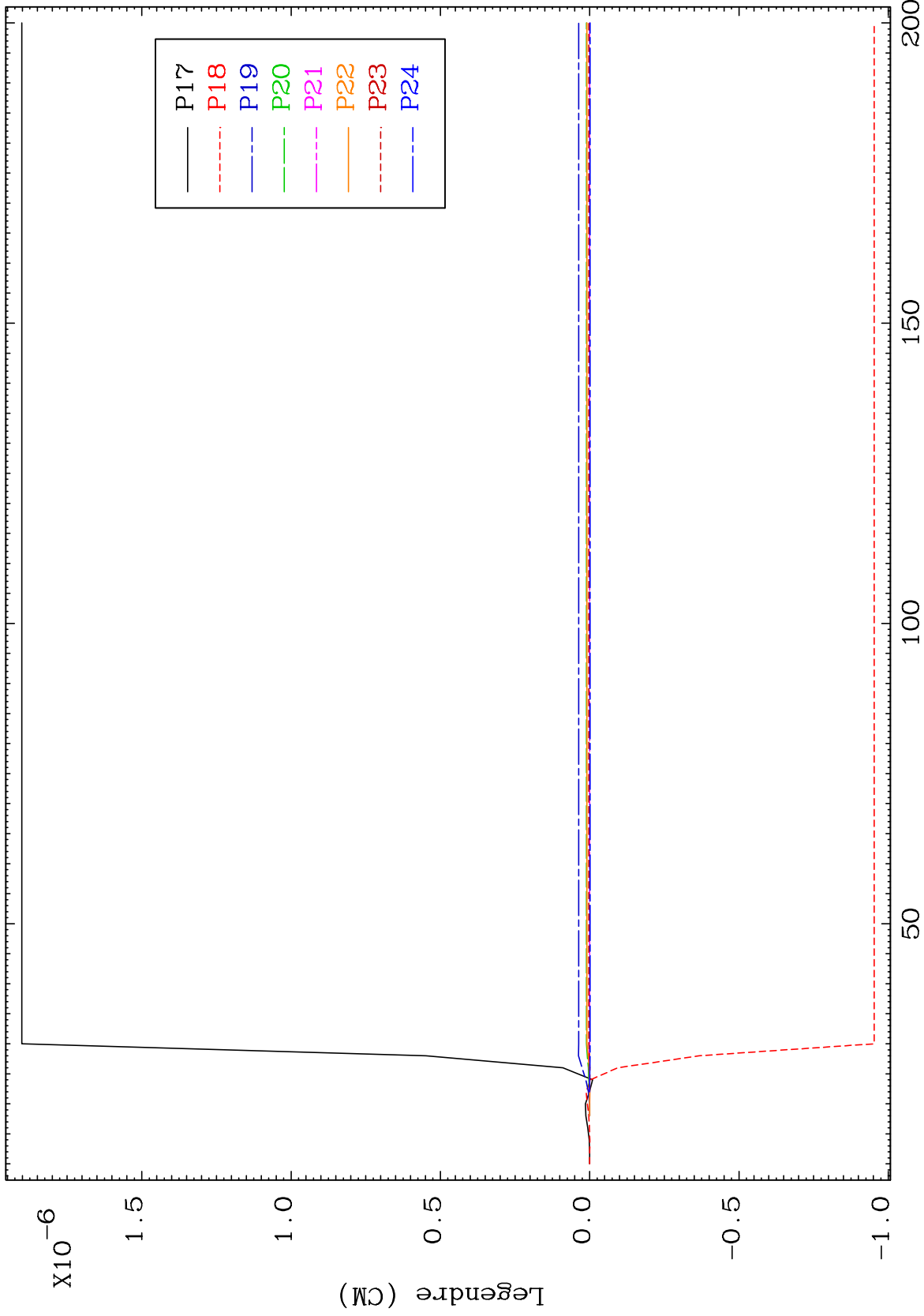
Incident Energy (MeV)

59-Pr-150

MAT 5952

919.2 keV (n,n') Level
Legendre Coefficients

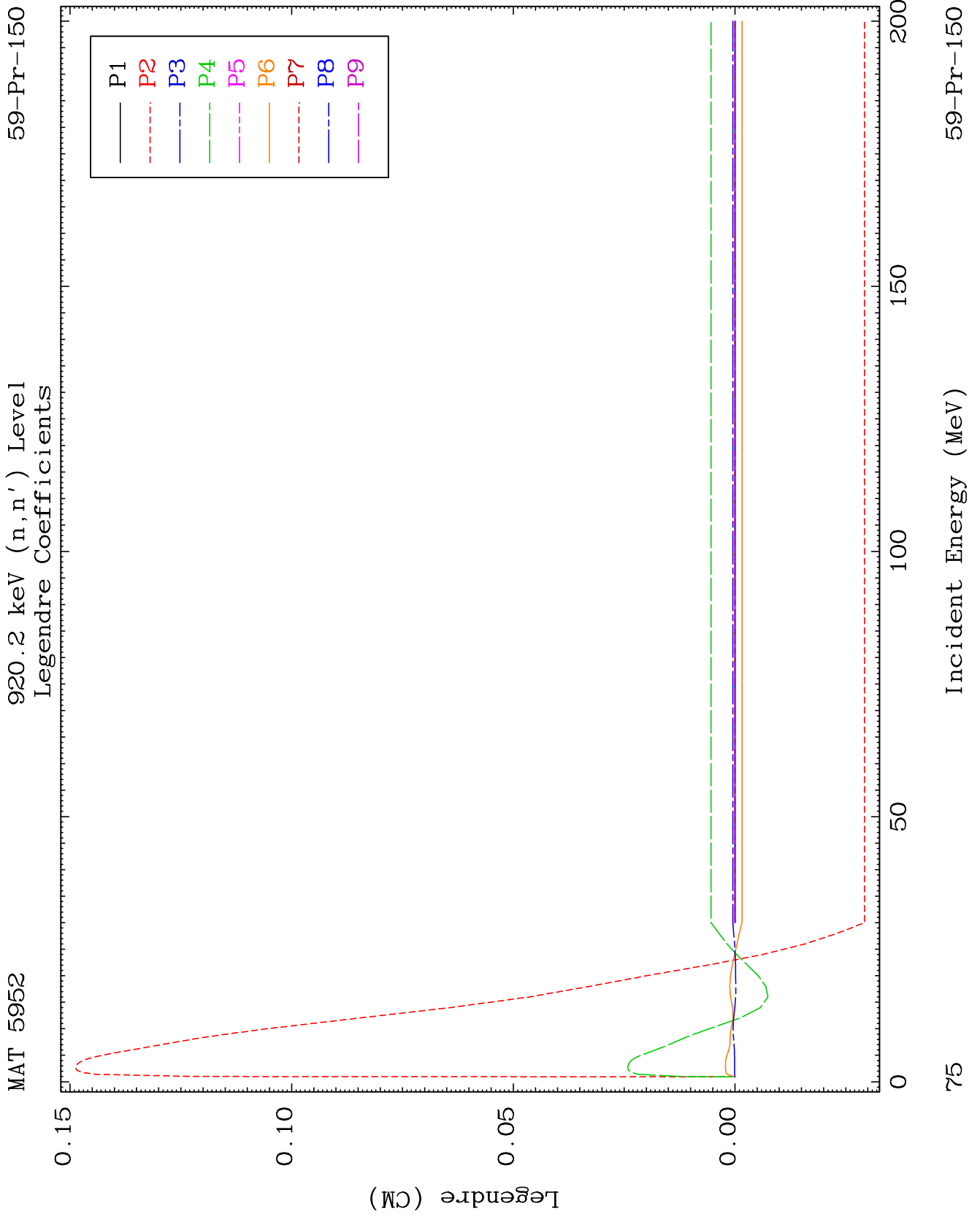
59-Pr-150



74

Incident Energy (MeV)

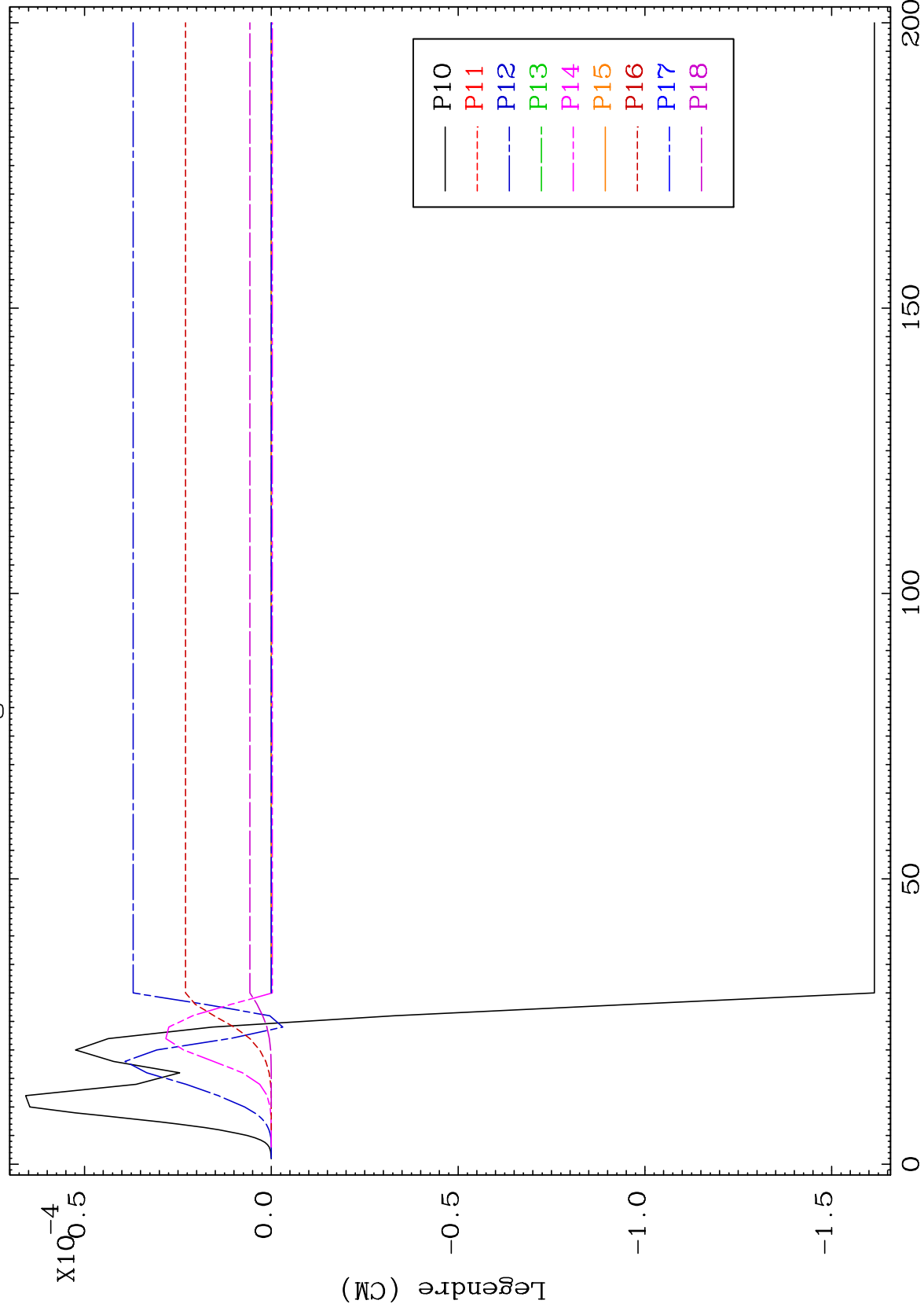
59-Pr-150



MAT 5952

920.2 keV (n,n') Level
Legendre Coefficients

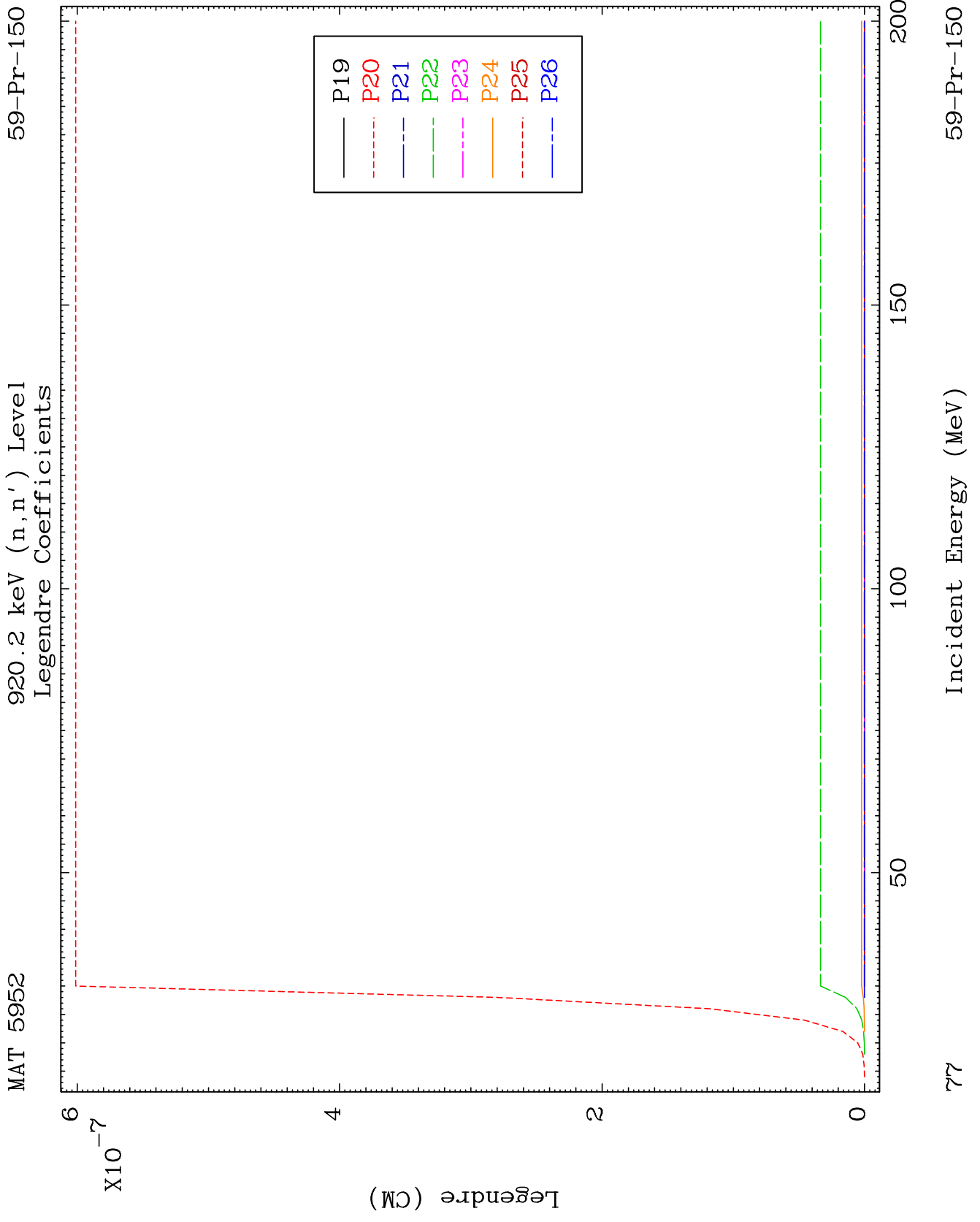
59-Pr-150

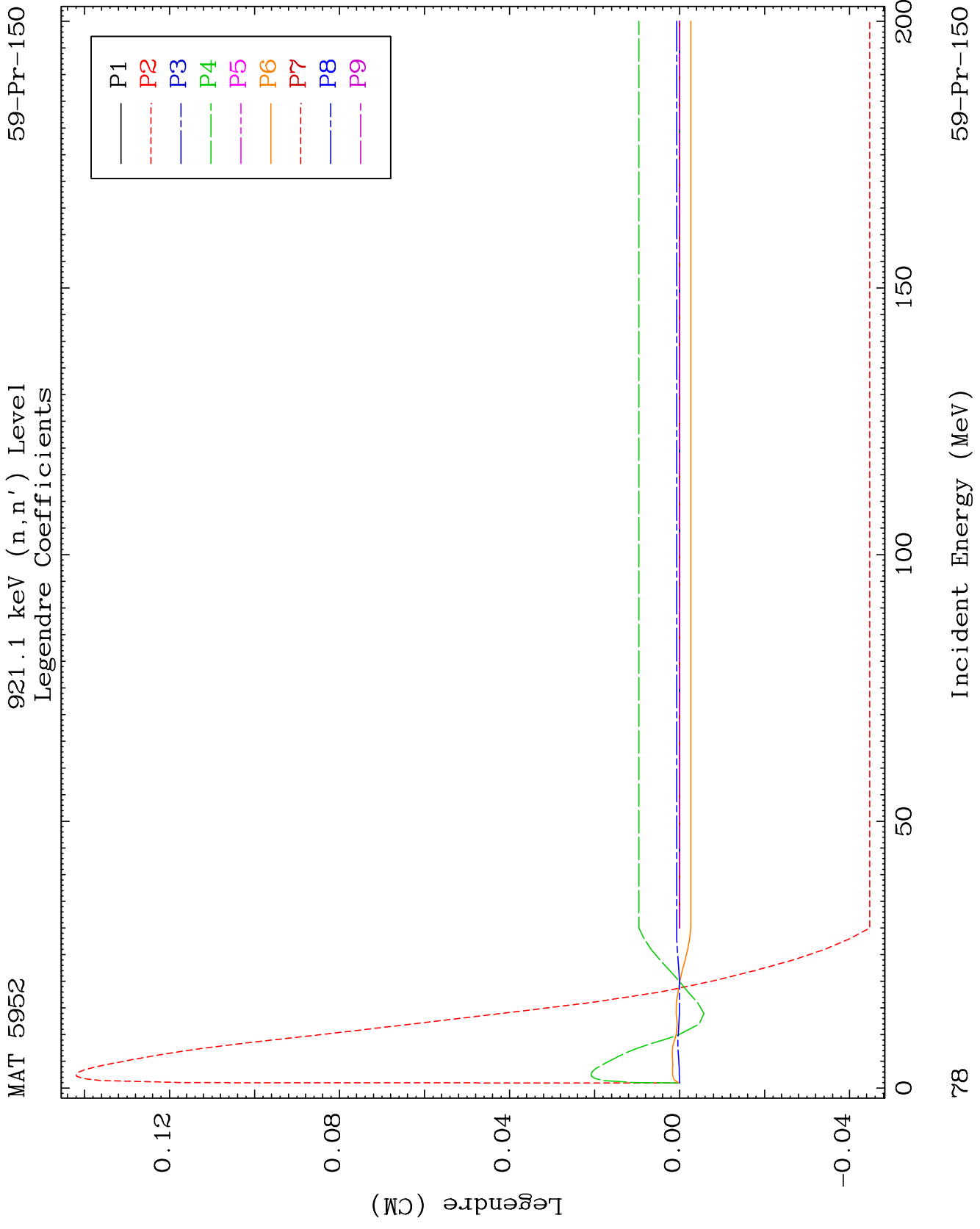


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Incident Energy (MeV)

59-Pr-150

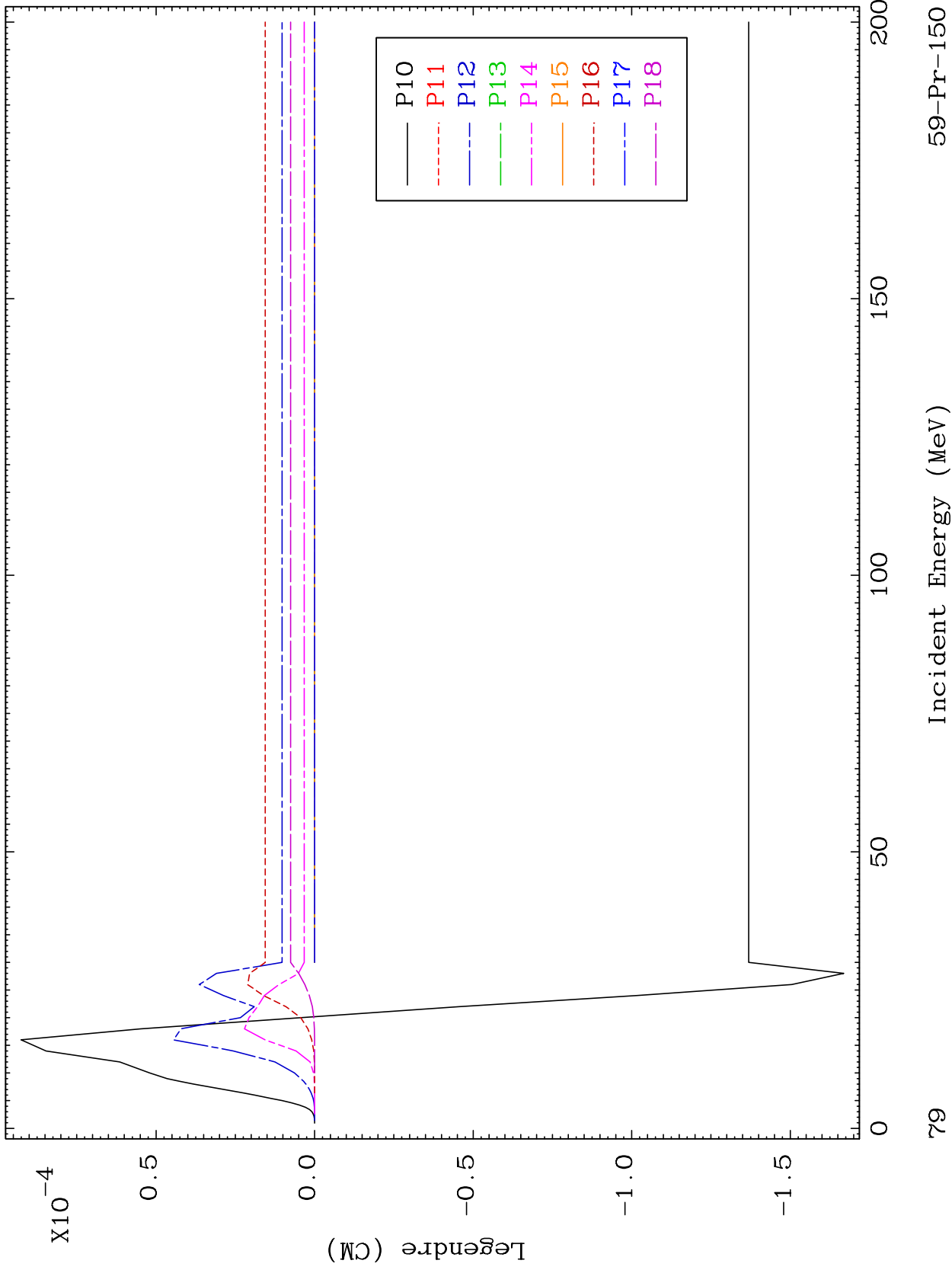




MAT 5952

921.1 keV (n,n') Level
Legendre Coefficients

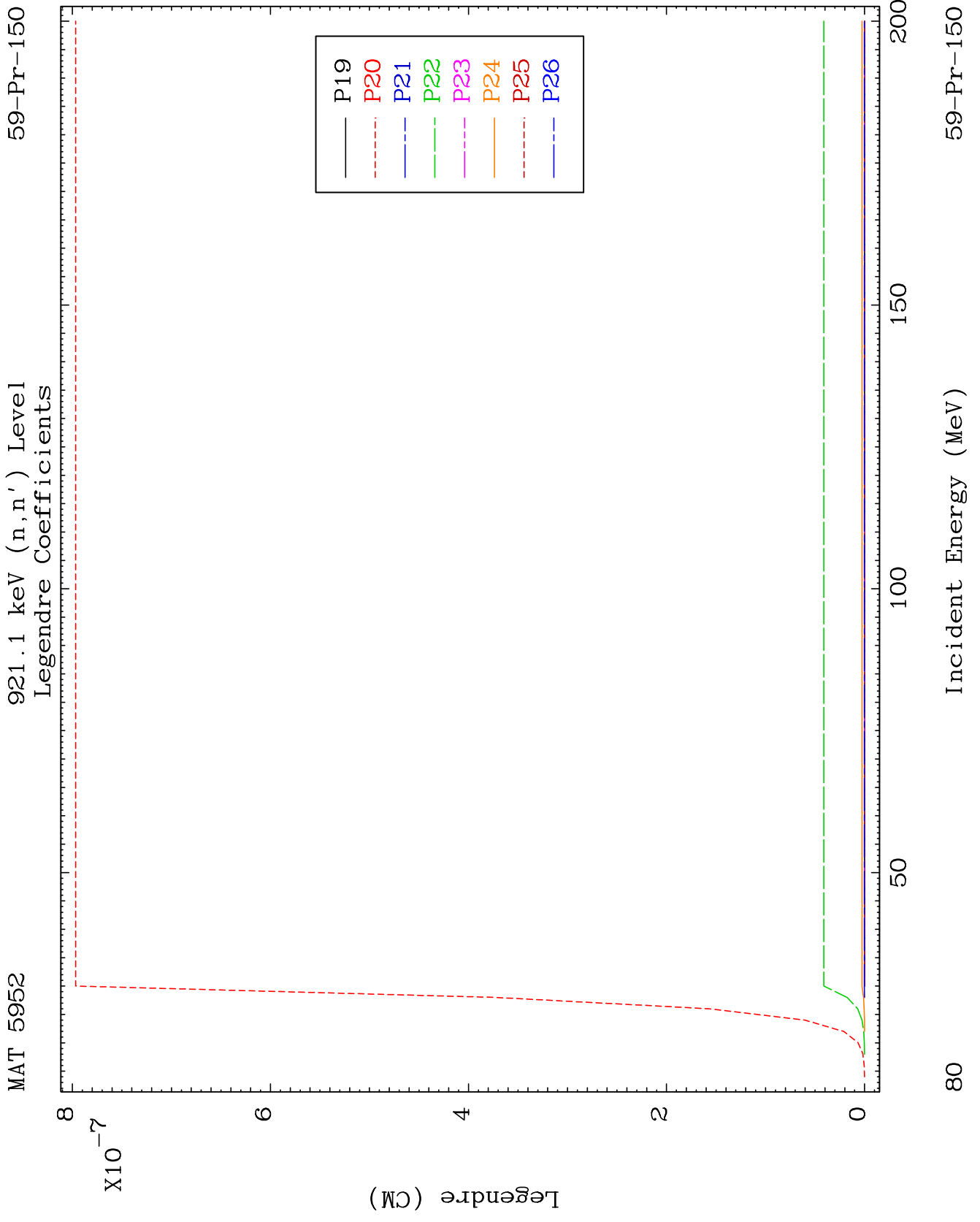
59-Pr-150

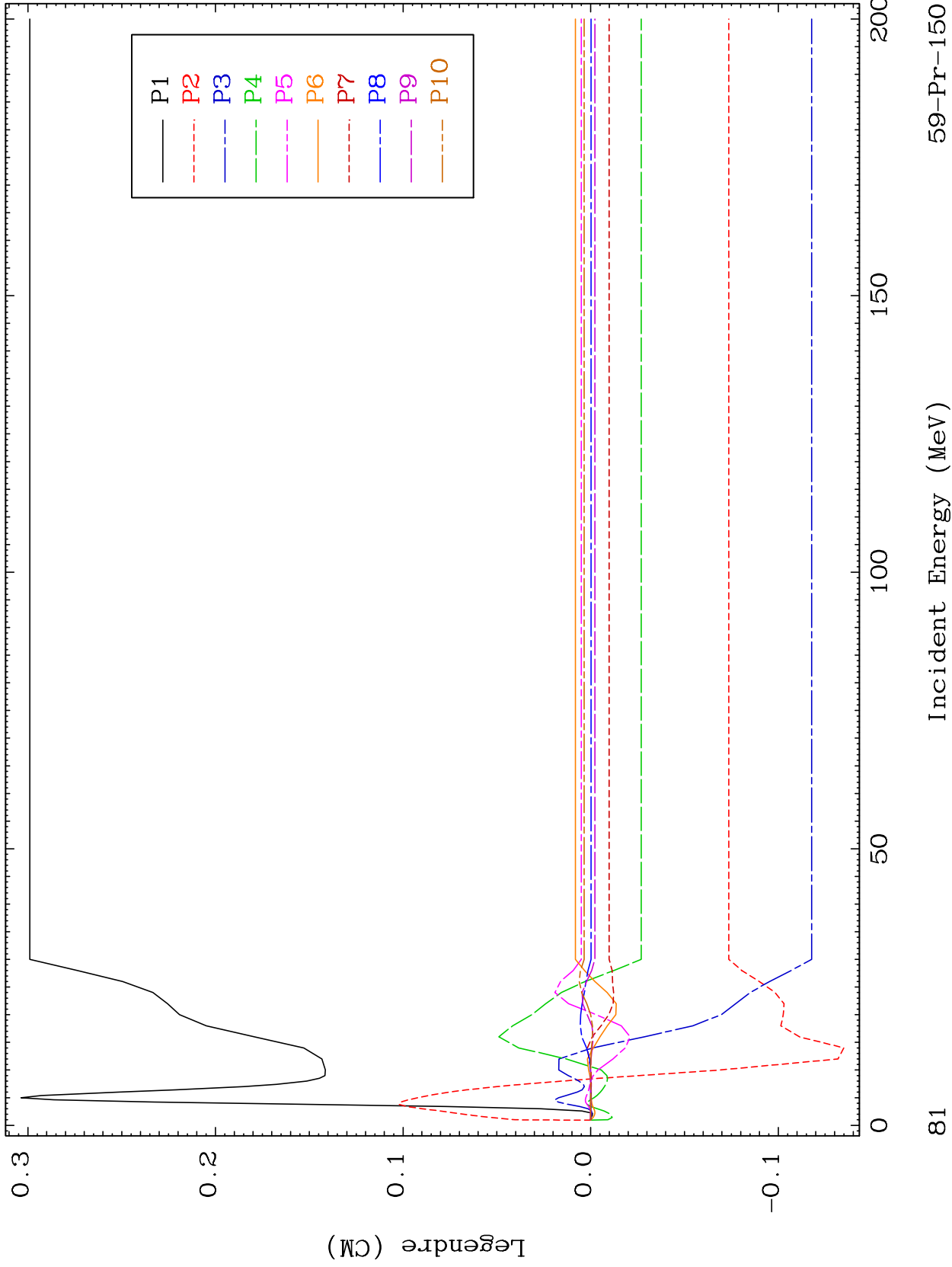


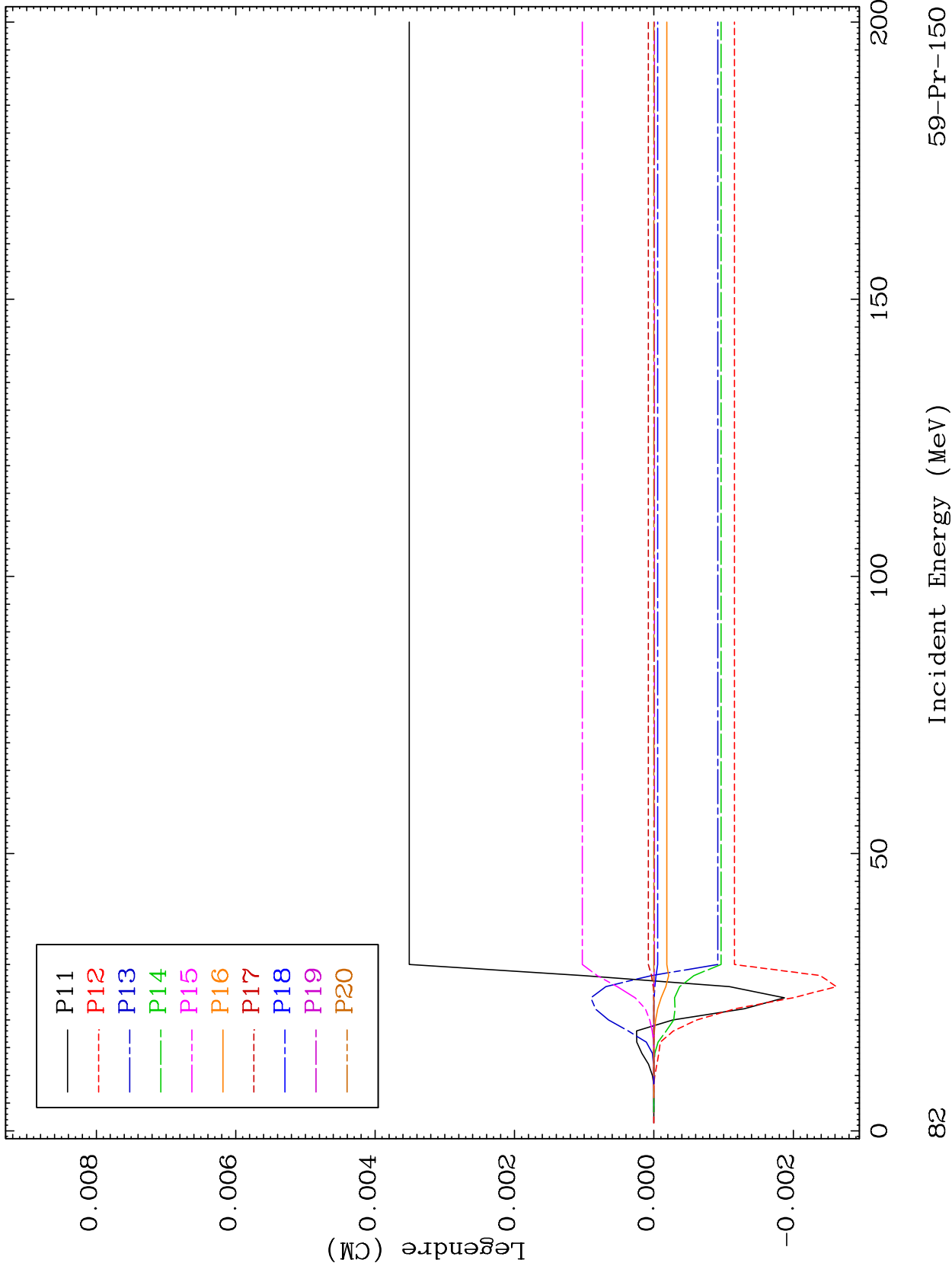
79

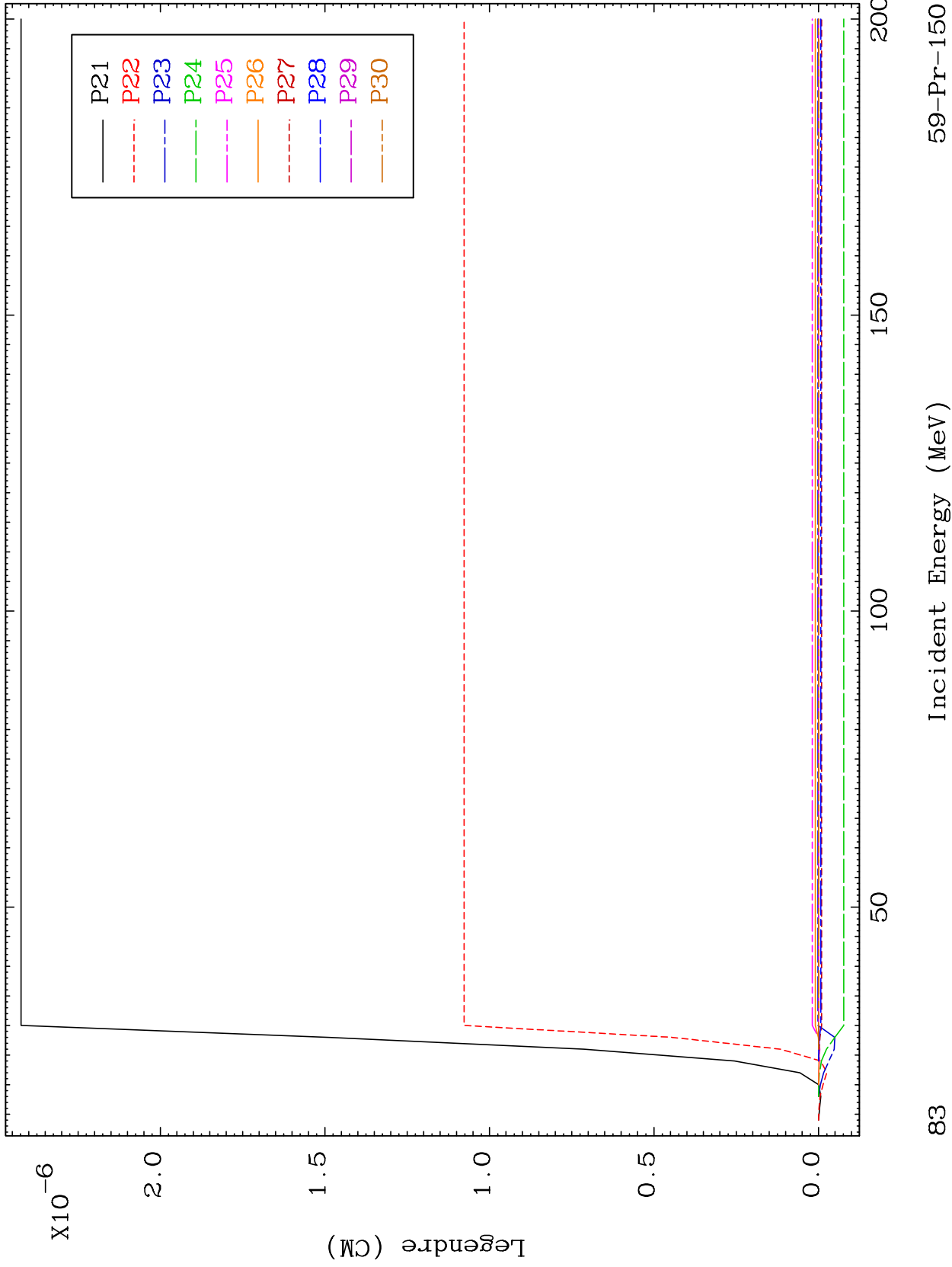
Incident Energy (MeV)

59-Pr-150





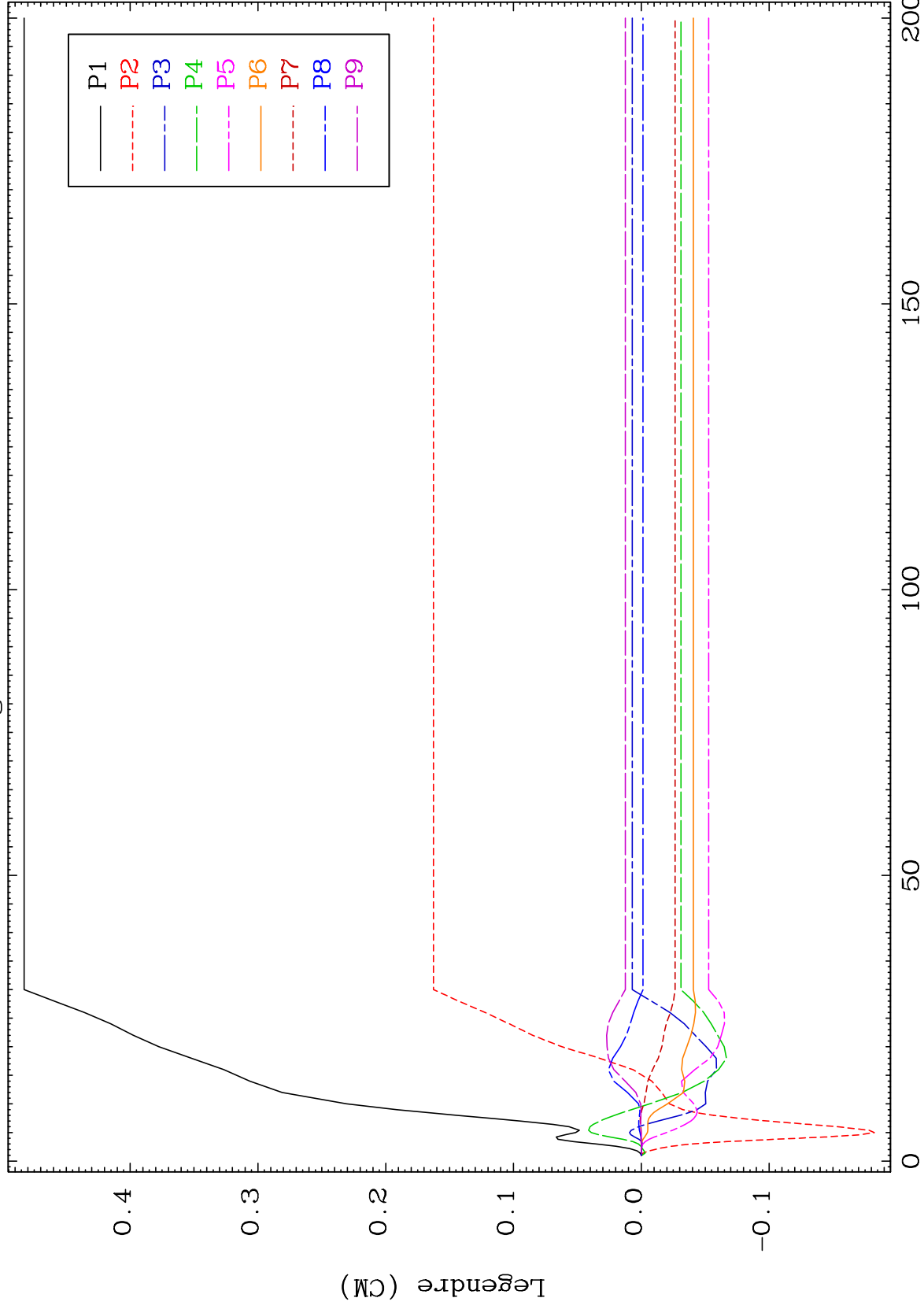




MAT 5952

923.1 keV (n,n') Level
Legendre Coefficients

59-Pr-150



84

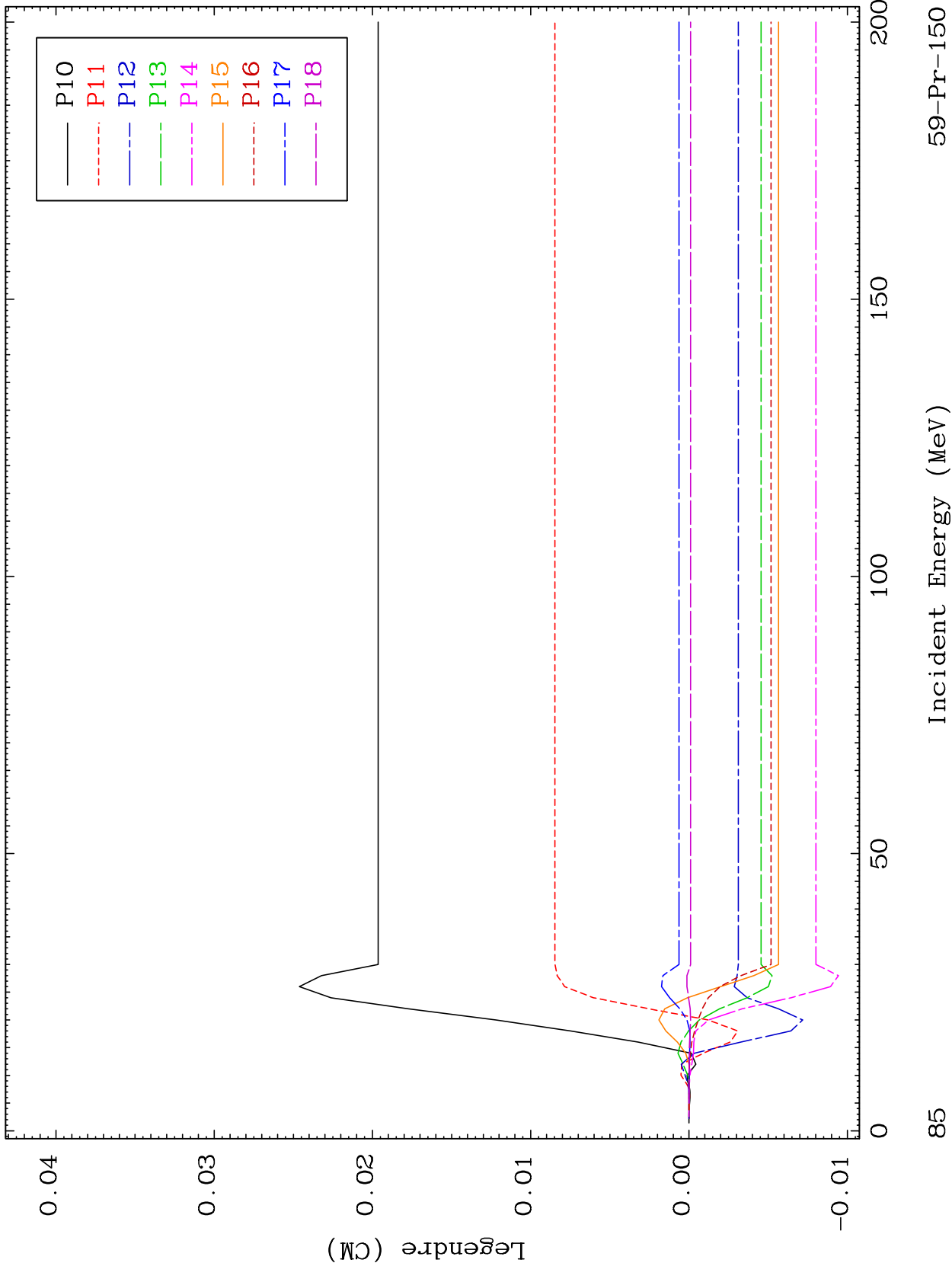
Incident Energy (MeV)

59-Pr-150

MAT 5952

923.1 keV (n,n') Level
Legendre Coefficients

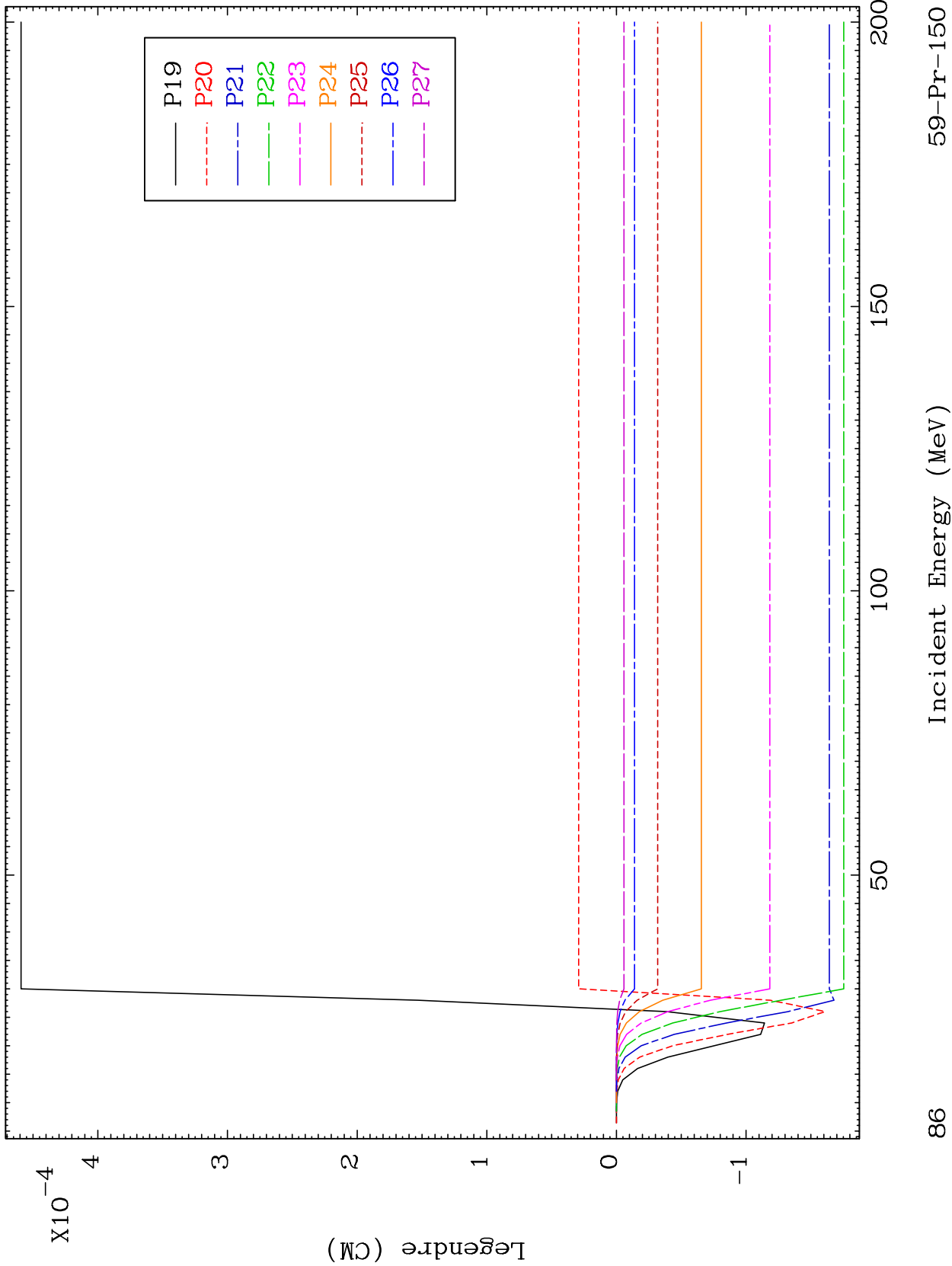
59-Pr-150

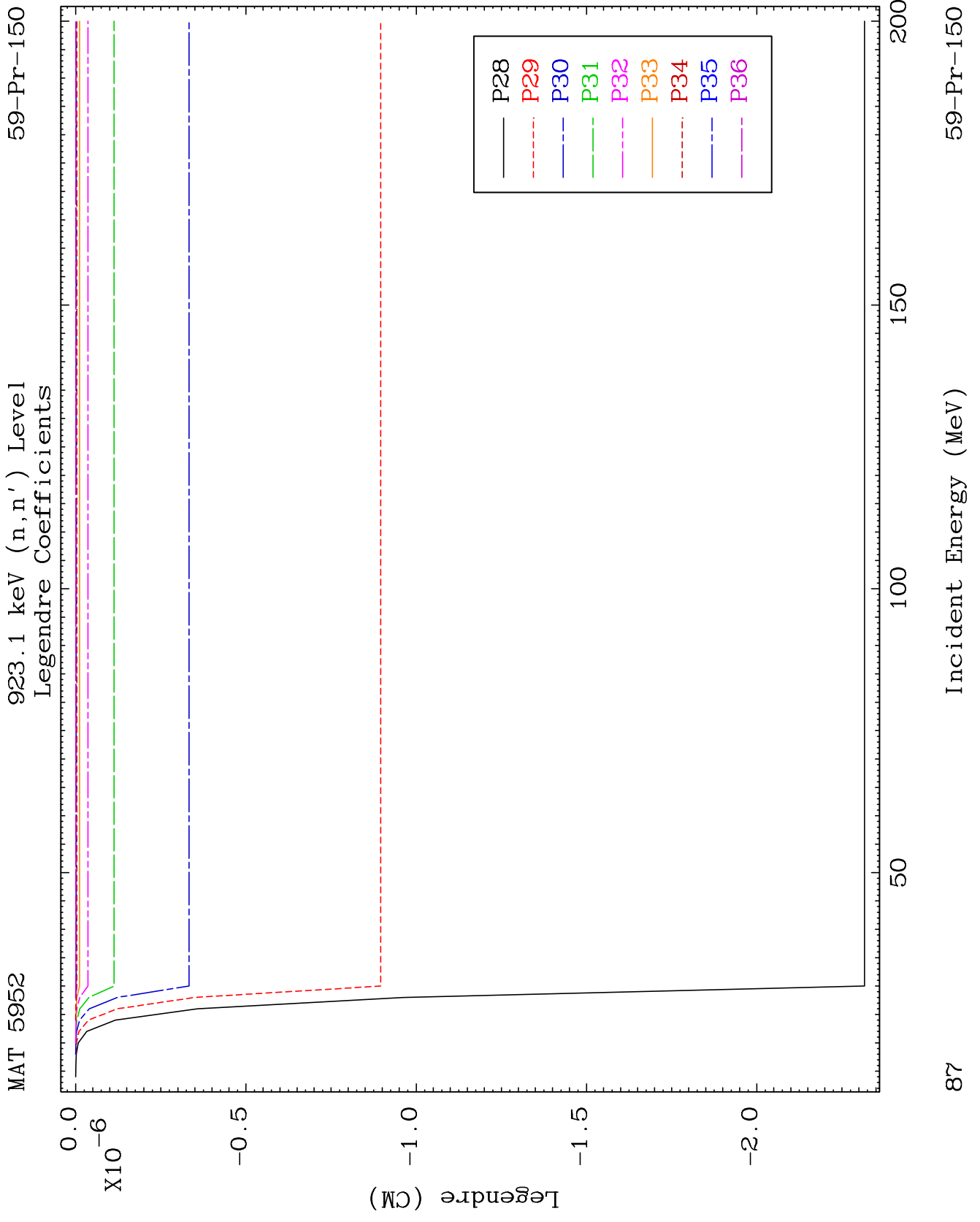


59-Pr-150

Incident Energy (MeV)

85

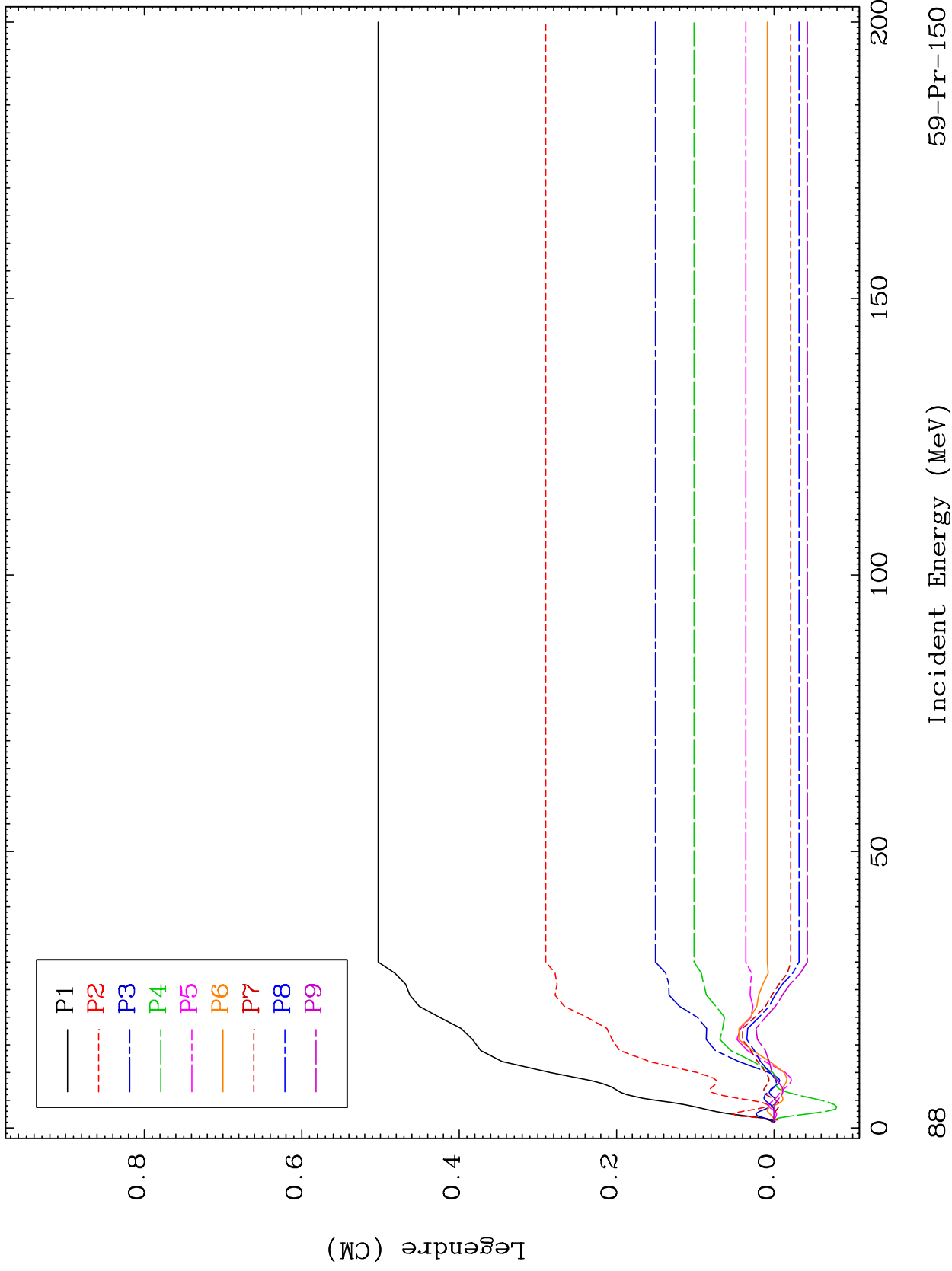




MAT 5952

924.0 keV (n,n') Level
Legendre Coefficients

59-Pr-150



59-Pr-150

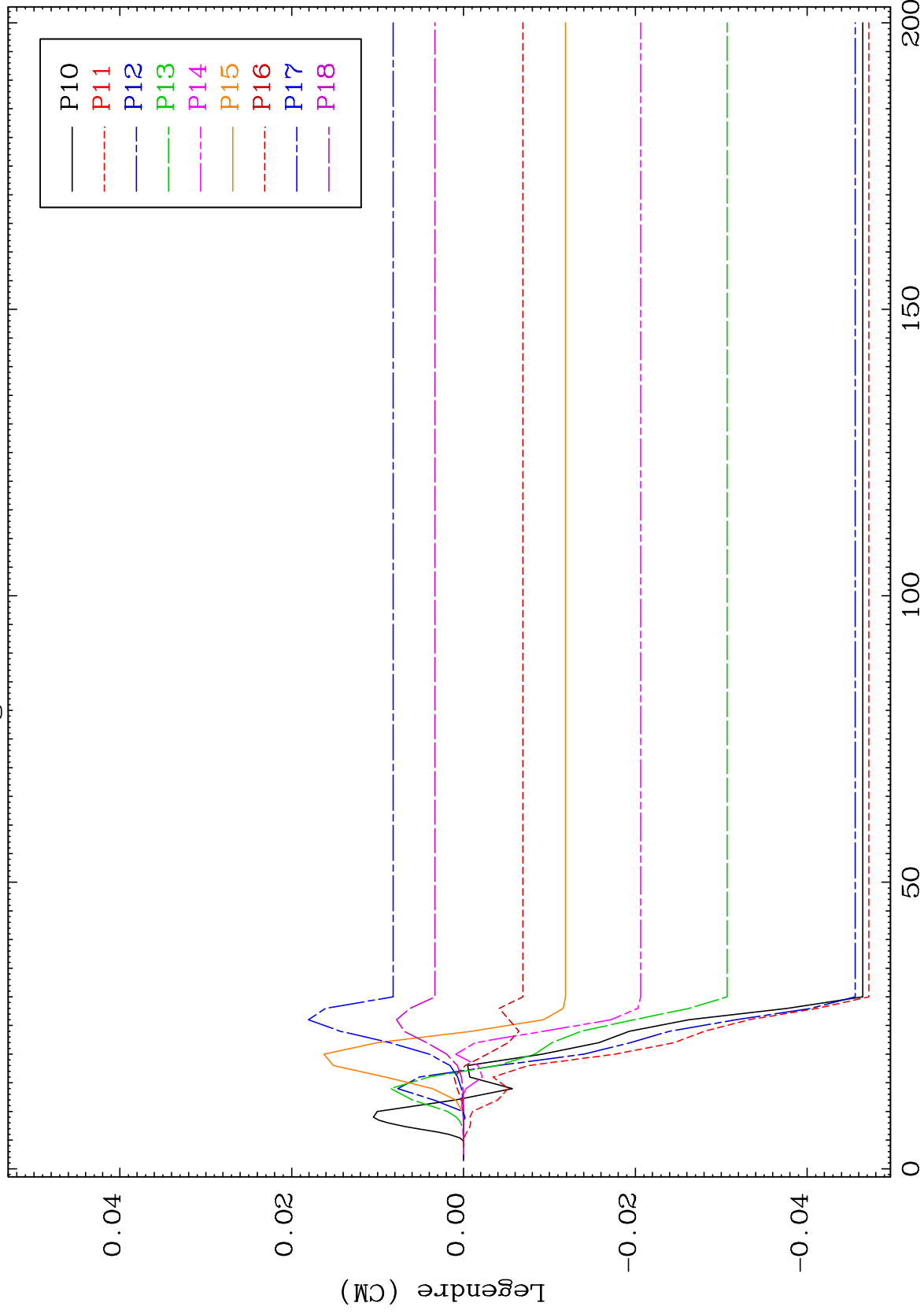
Incident Energy (MeV)

88

MAT 5952

924.0 keV (n,n') Level
Legendre Coefficients

59-Pr-150



89

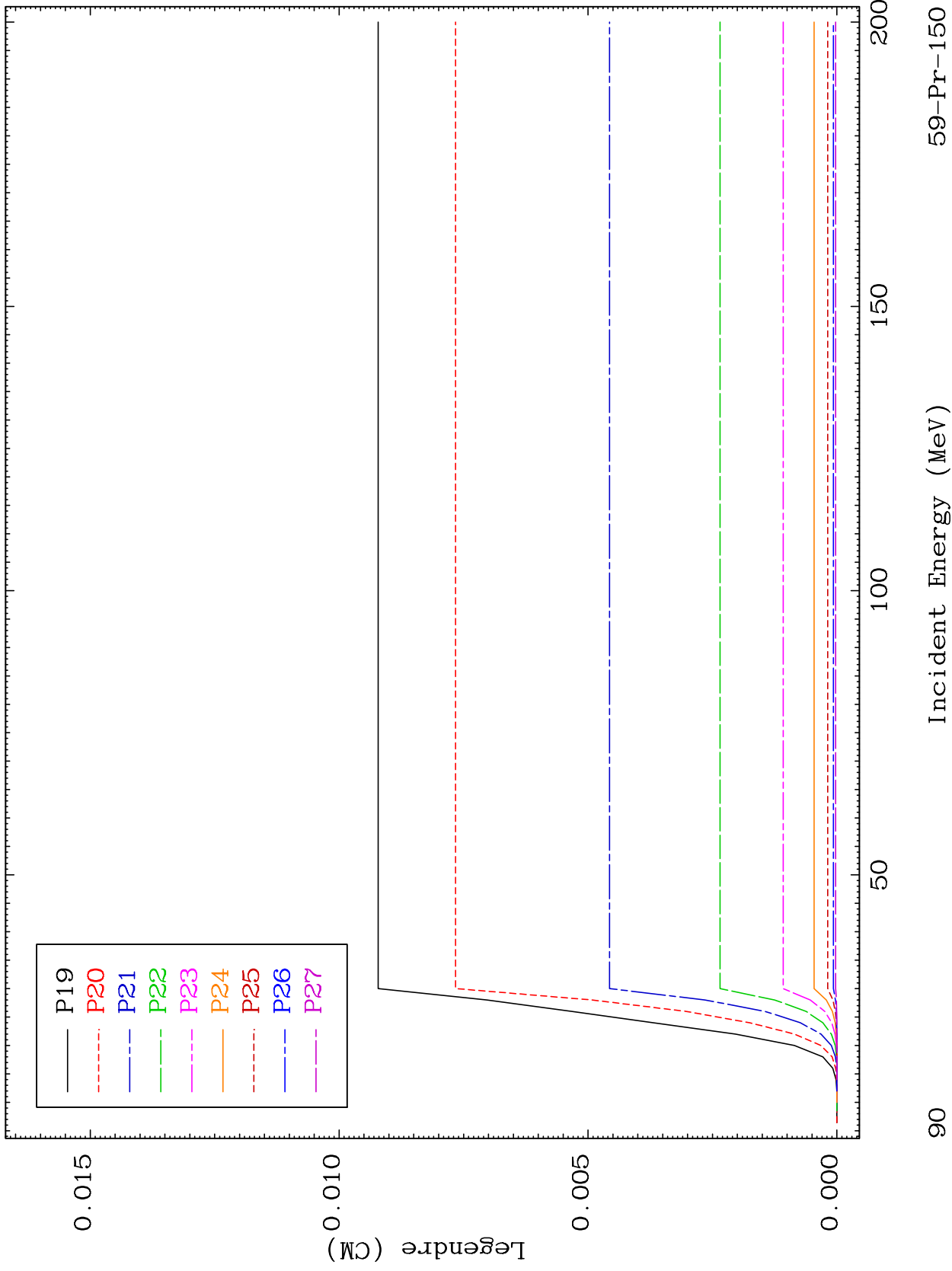
Incident Energy (MeV)

59-Pr-150

MAT 5952

924.0 keV (n,n') Level
Legendre Coefficients

59-Pr-150



90

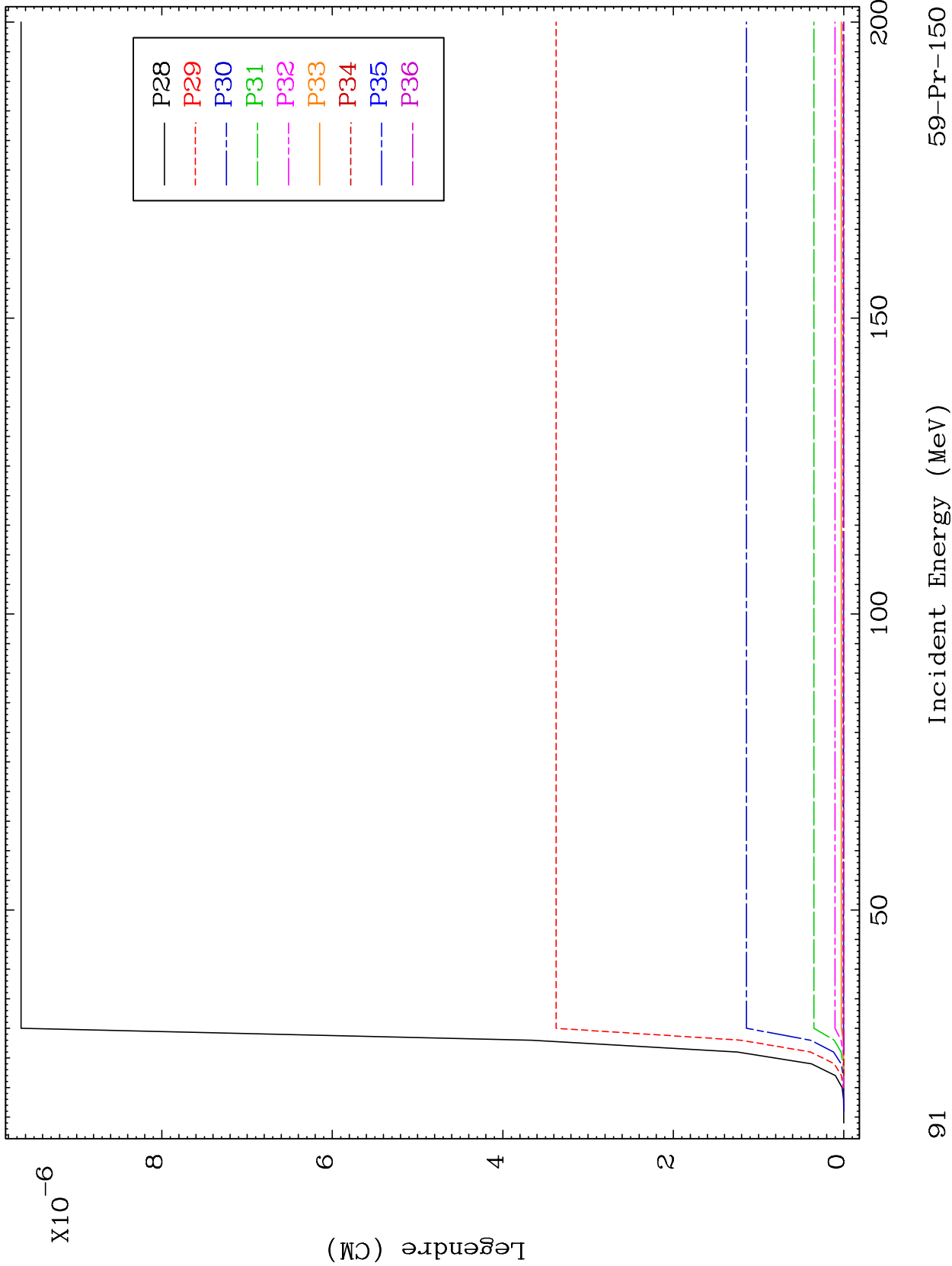
Incident Energy (MeV)

59-Pr-150

MAT 5952

924.0 keV (n,n') Level
Legendre Coefficients

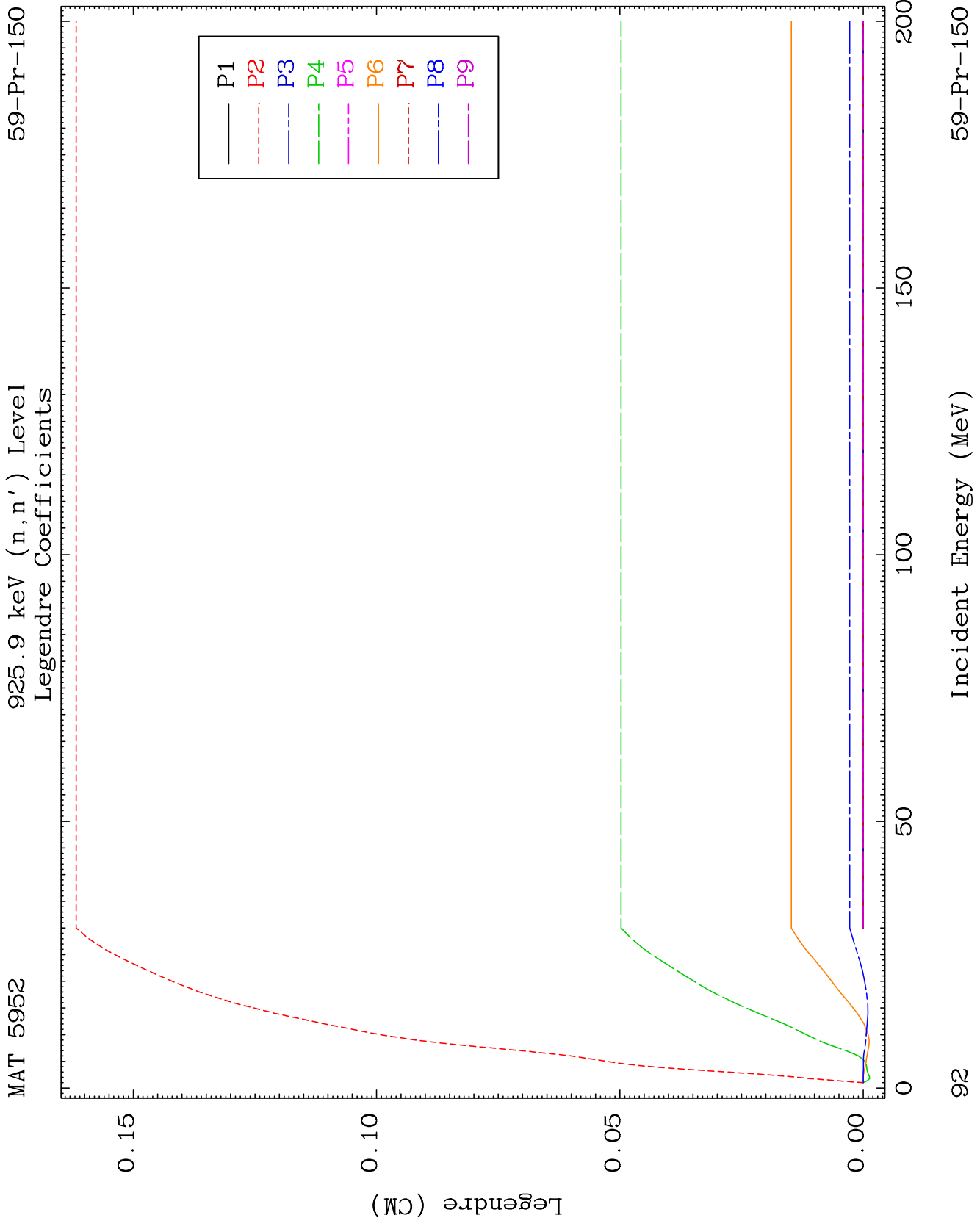
59-Pr-150



91

Incident Energy (MeV)

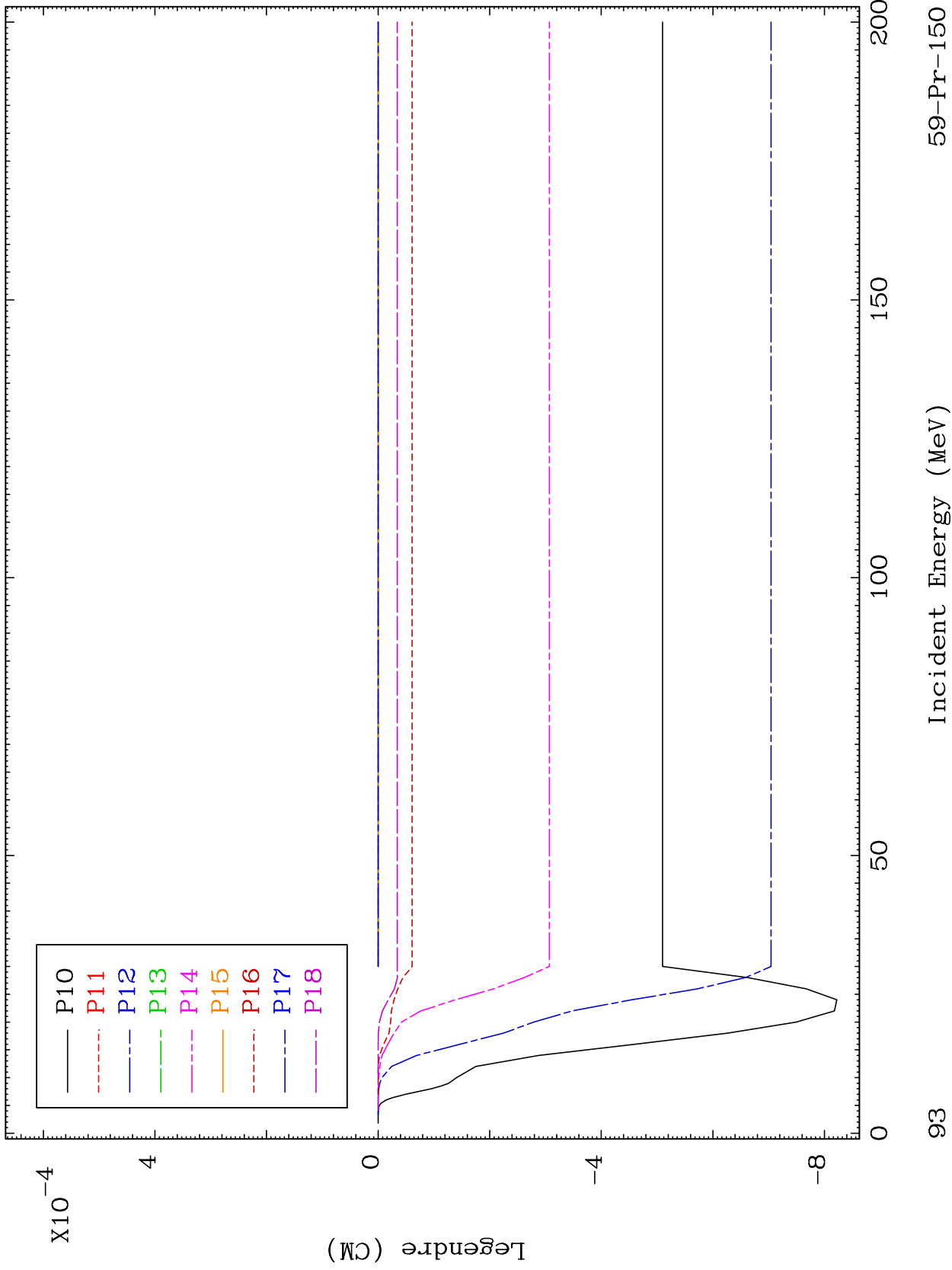
59-Pr-150

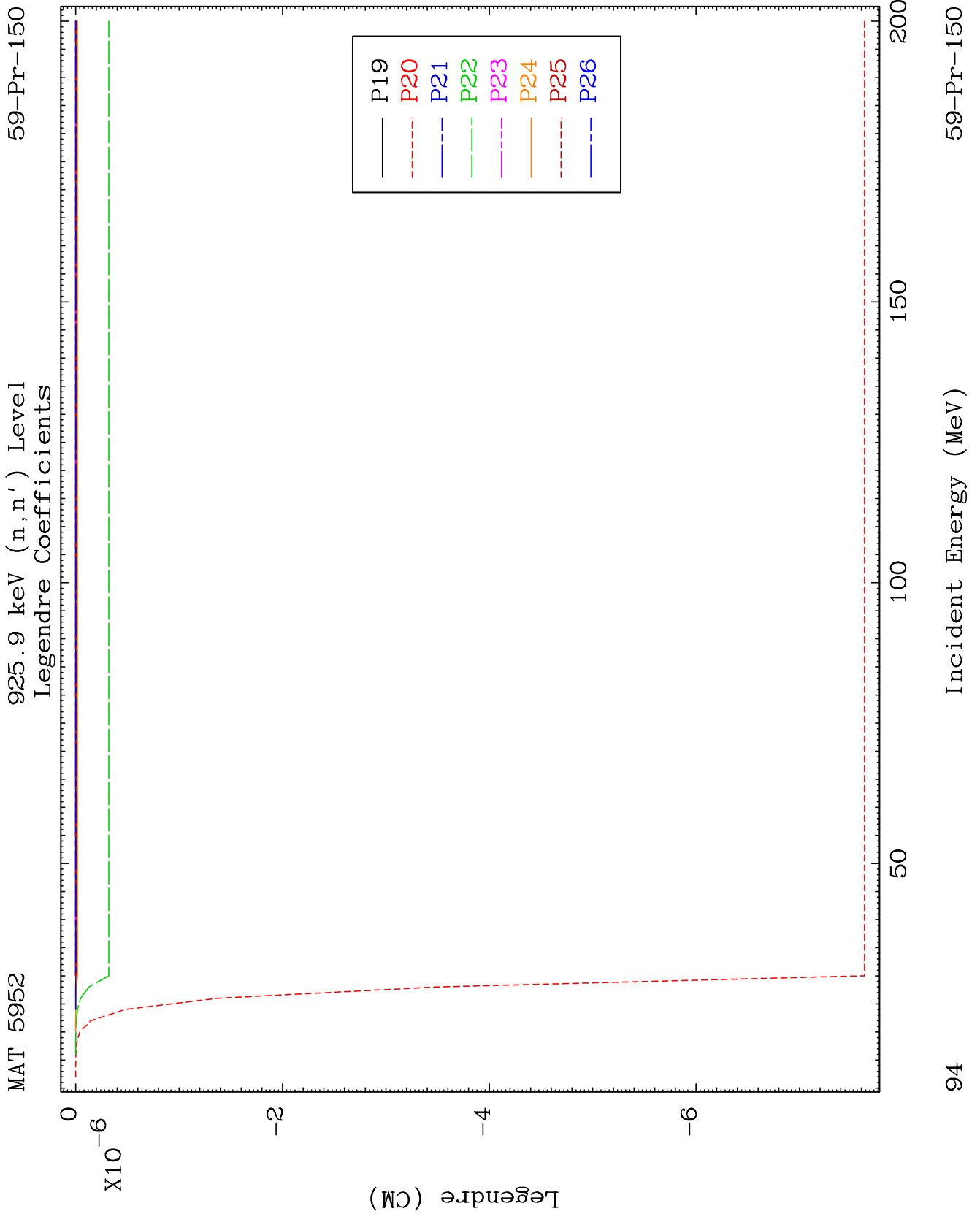


MAT 5952

925.9 keV (n,n') Level
Legendre Coefficients

59-Pr-150

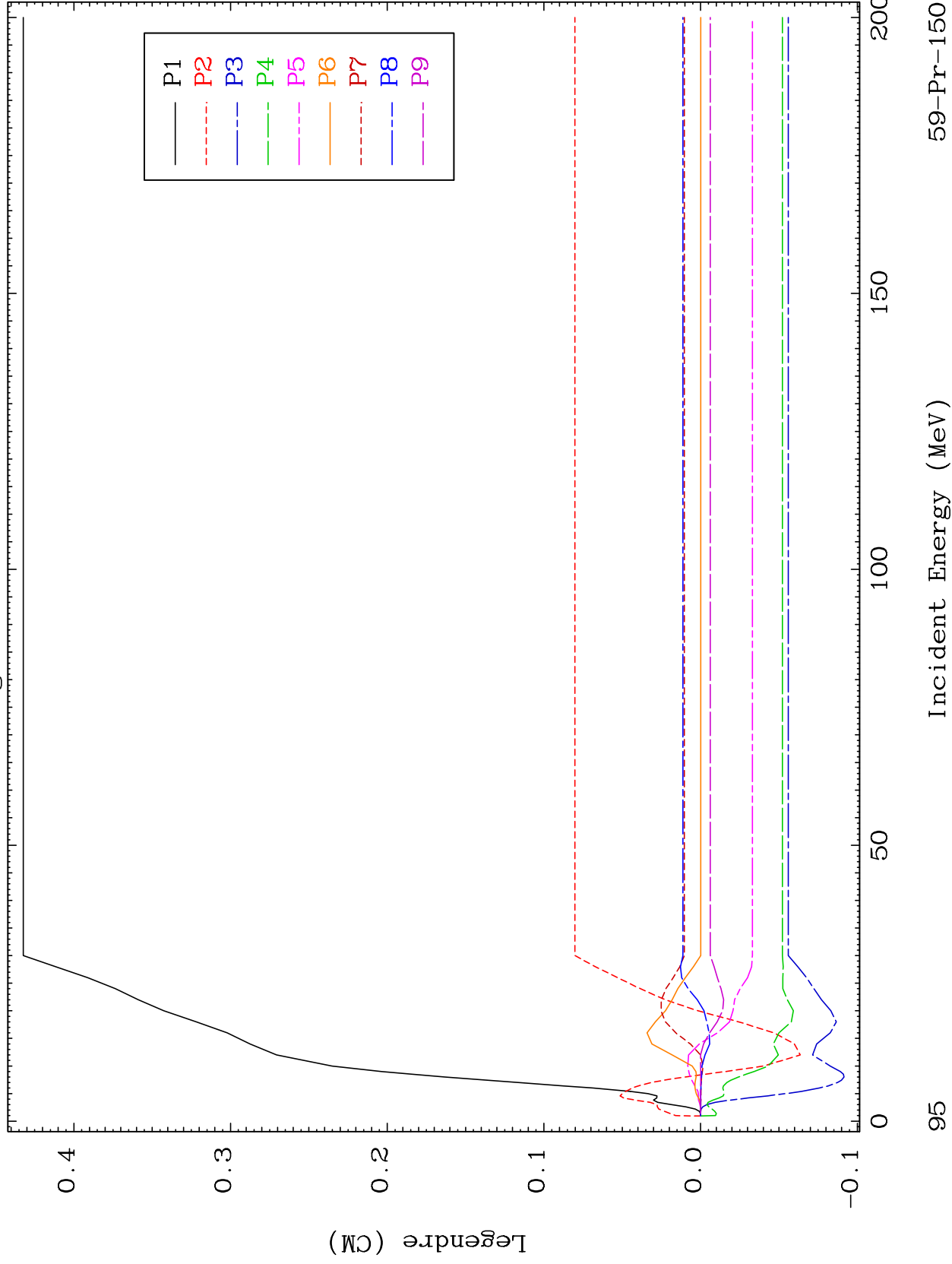




MAT 5952

926.7 keV (n,n') Level
Legendre Coefficients

59-Pr-150



59-Pr-150

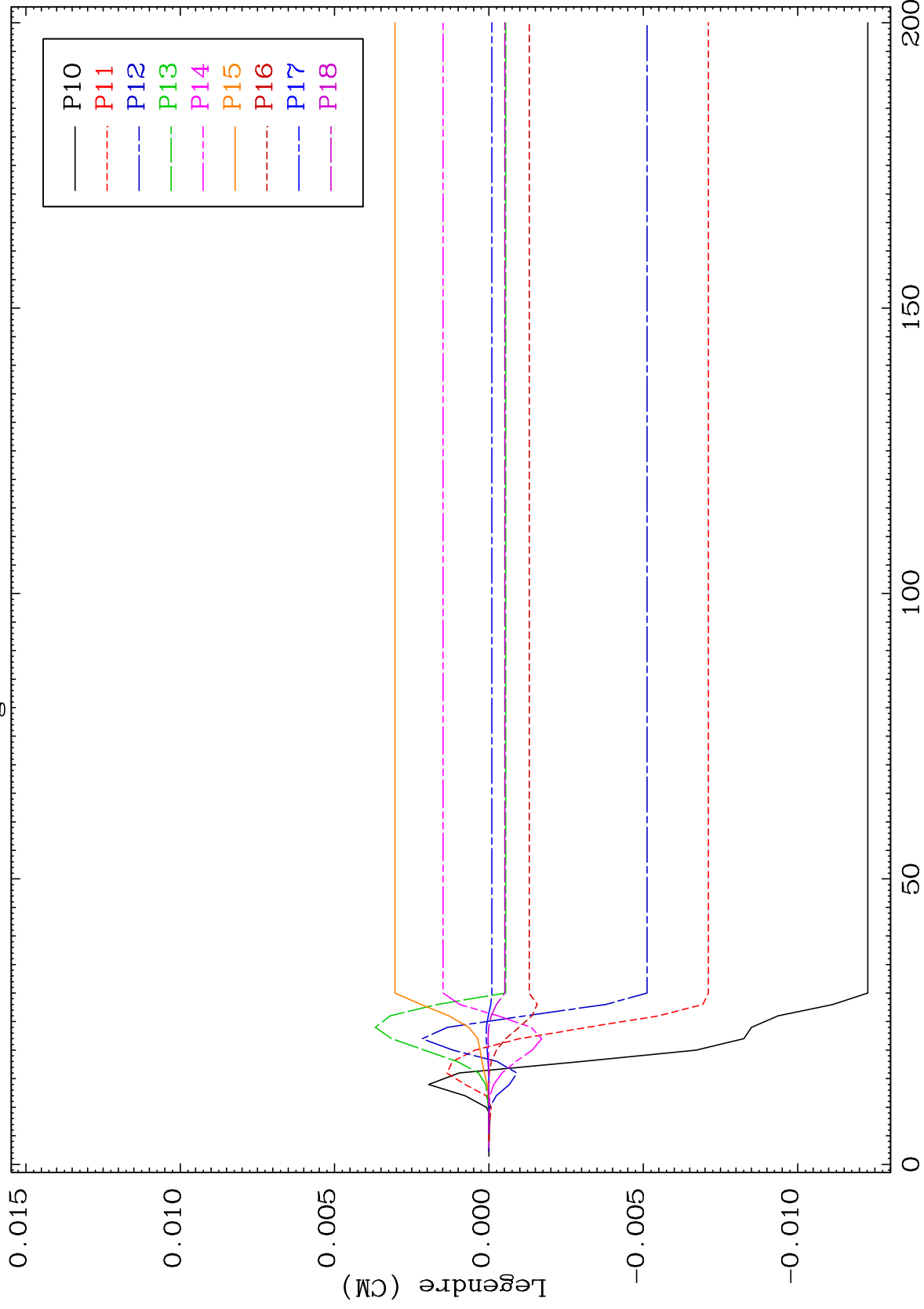
Incident Energy (MeV)

95

MAT 5952

926.7 keV (n,n') Level
Legendre Coefficients

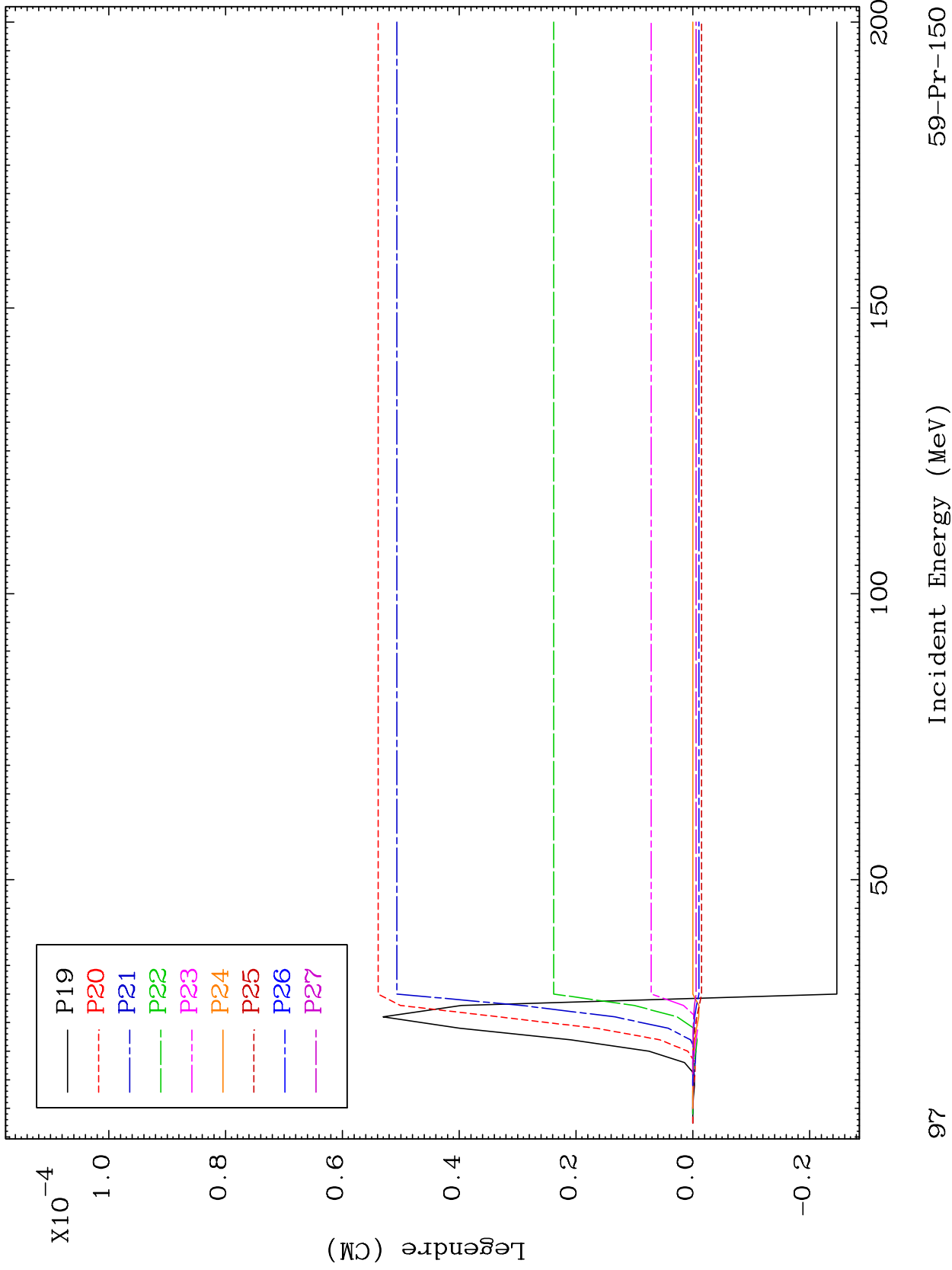
59-Pr-150

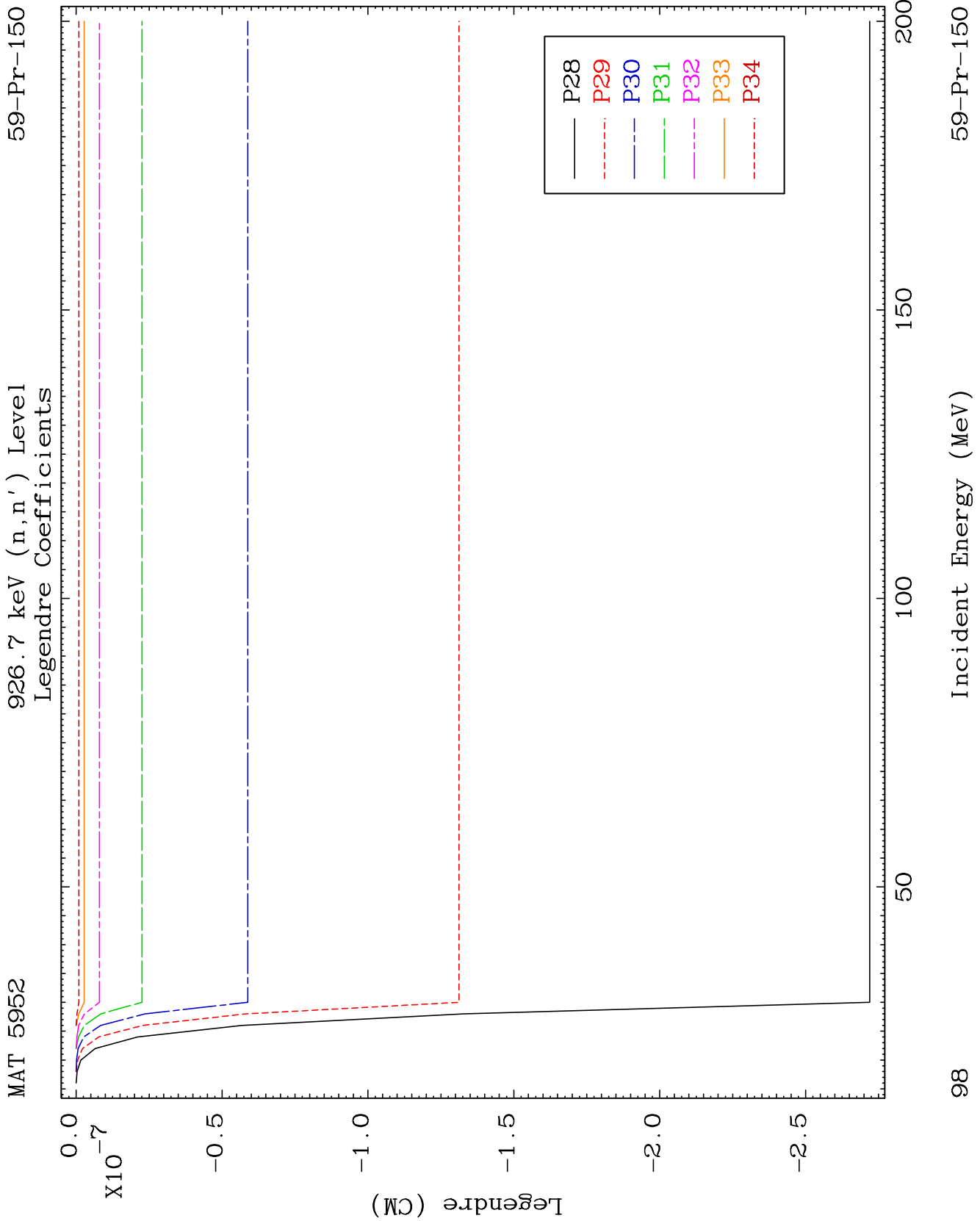


96

Incident Energy (MeV)

59-Pr-150

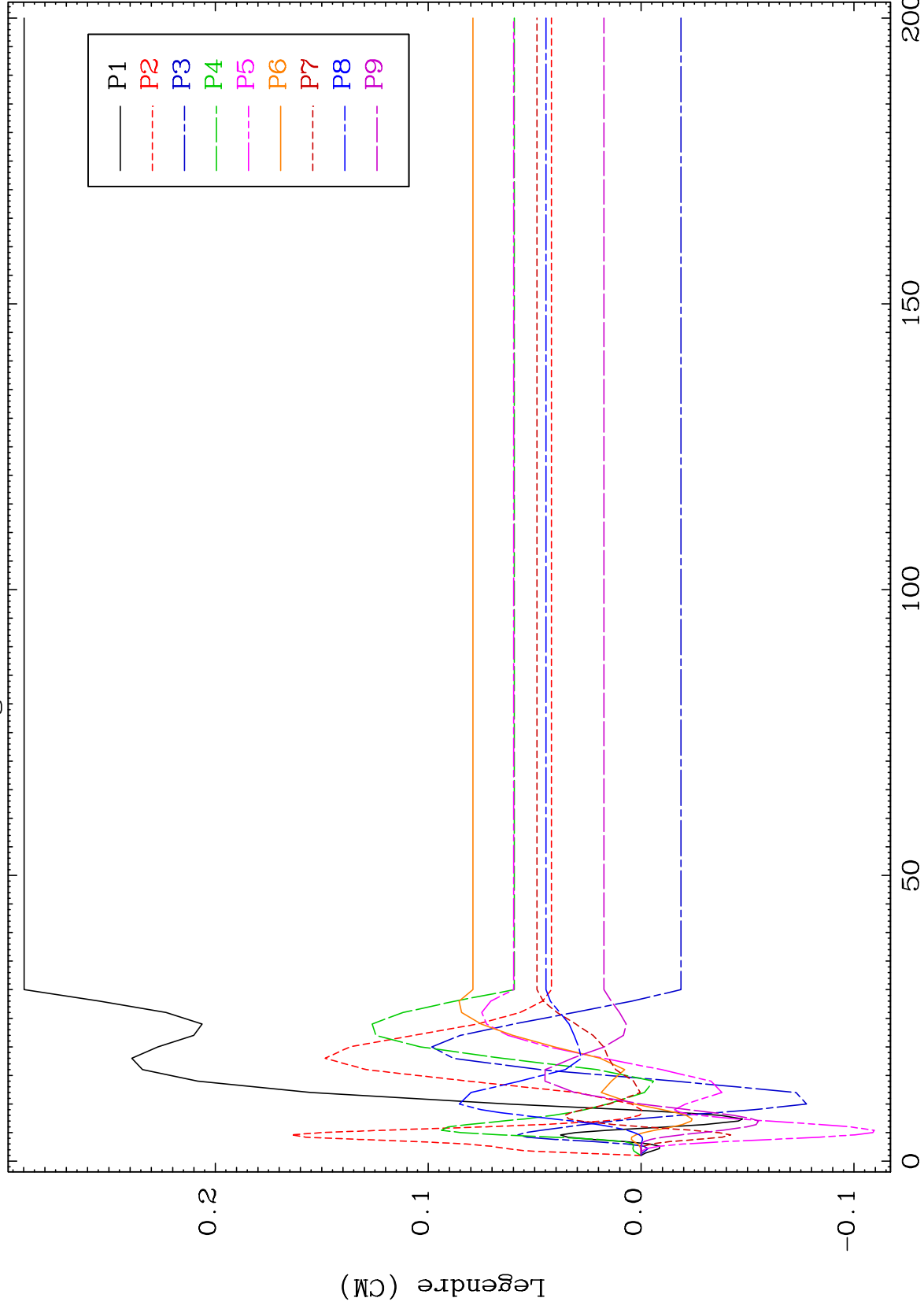




MAT 5952

936.4 keV (n,n') Level
Legendre Coefficients

59-Pr-150



99

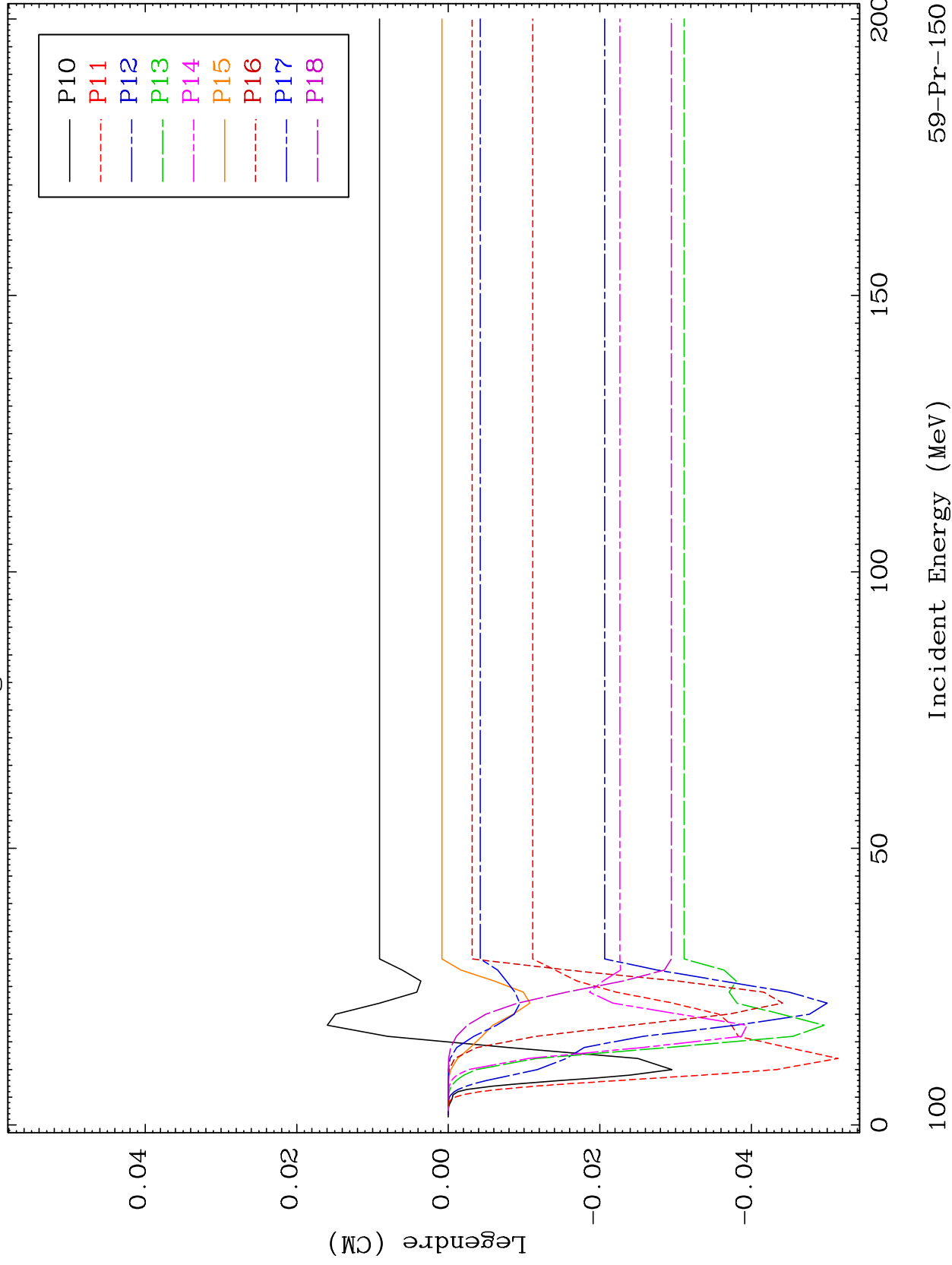
Incident Energy (MeV)

59-Pr-150

MAT 5952

936.4 keV (n,n') Level
Legendre Coefficients

59-Pr-150

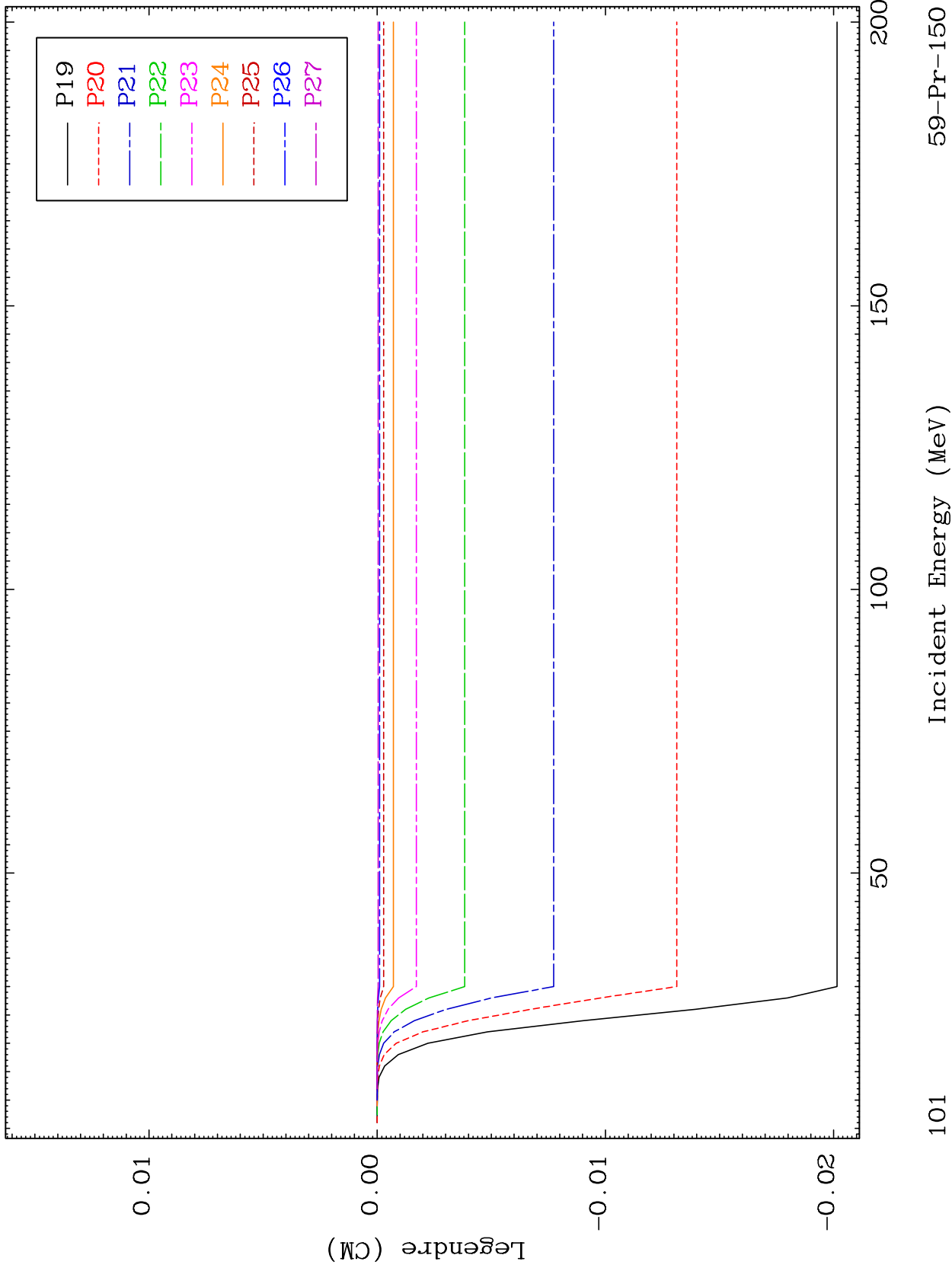


59-Pr-150

MAT 5952

936.4 keV (n,n') Level
Legendre Coefficients

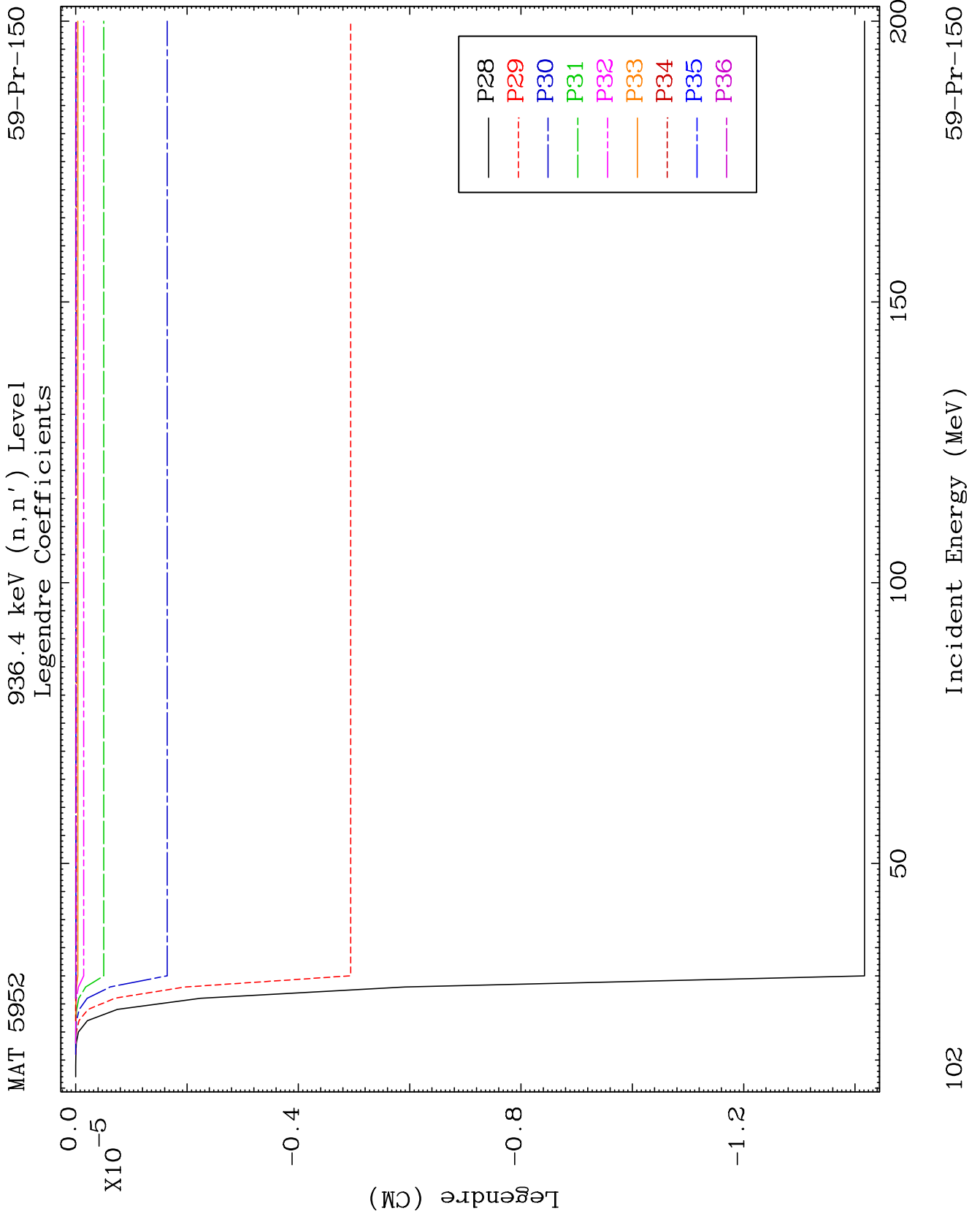
59-Pr-150

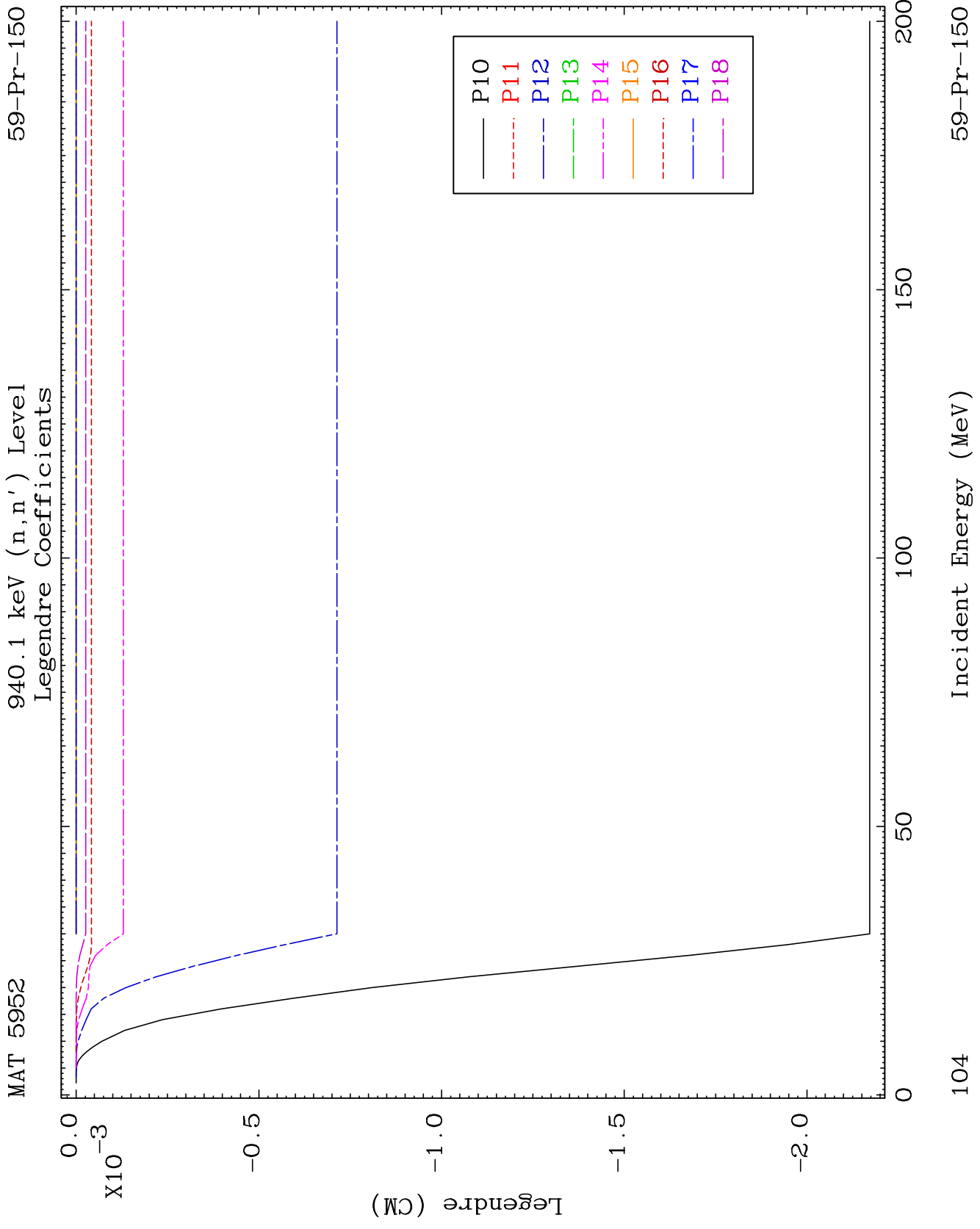


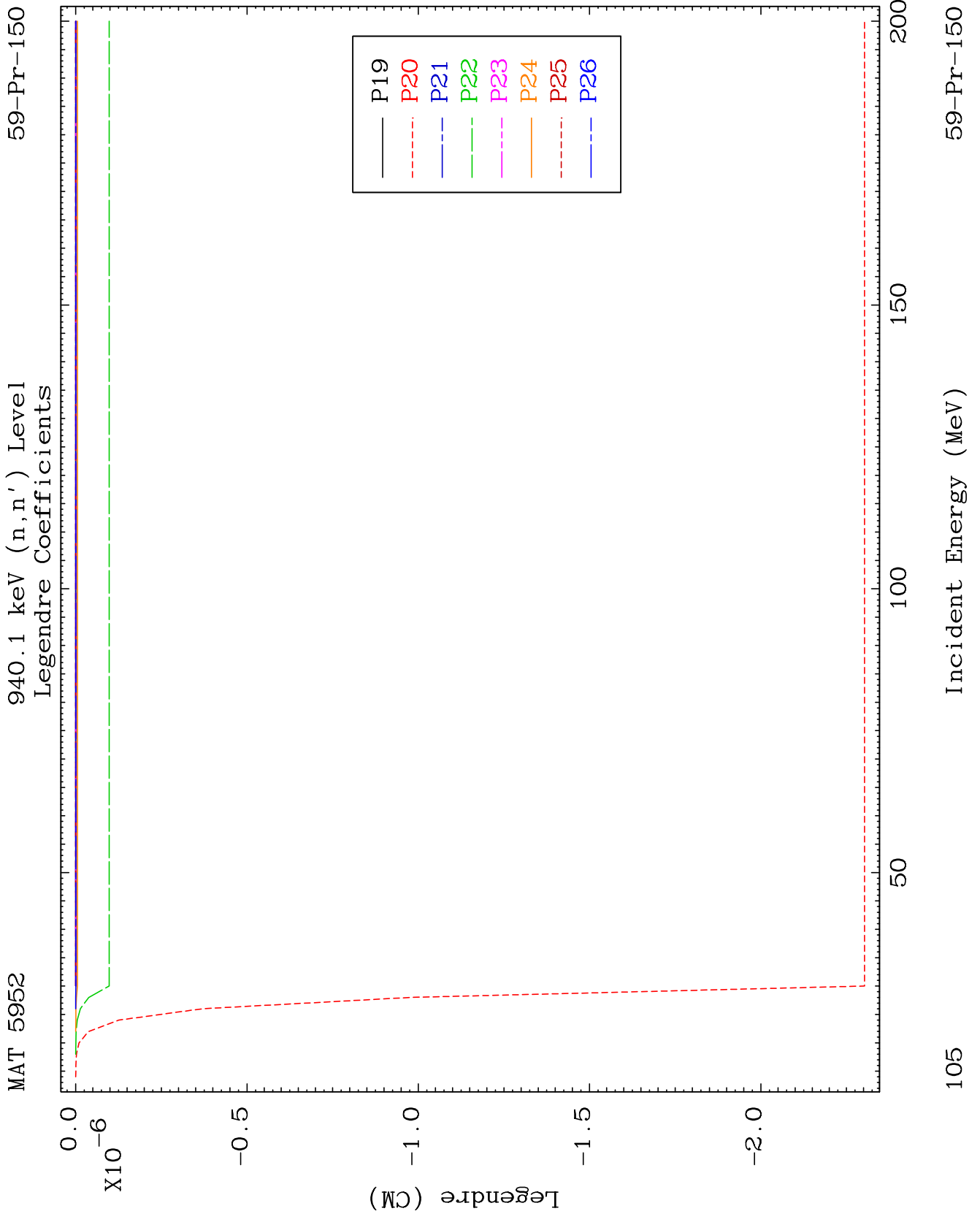
101

Incident Energy (MeV)

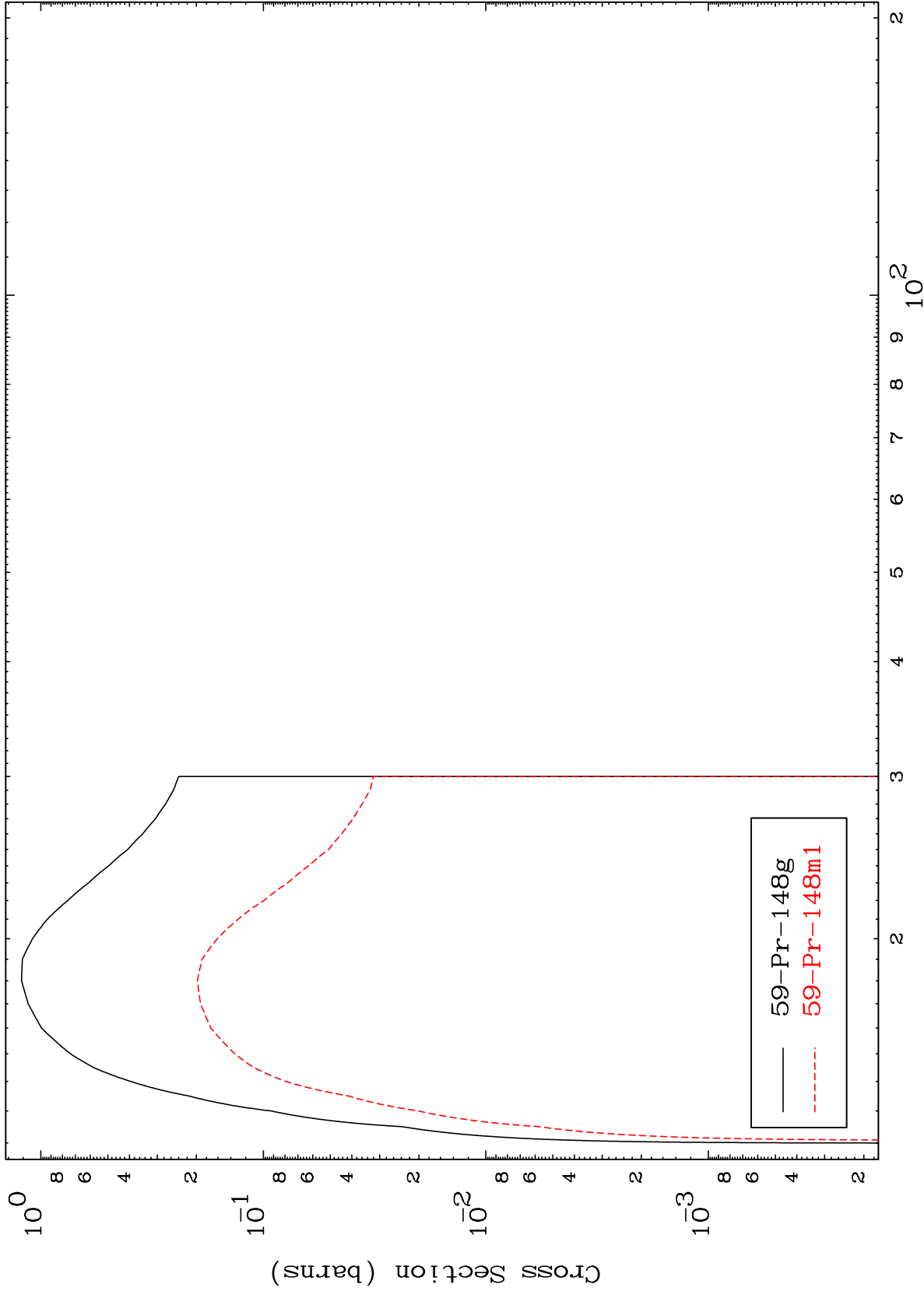
59-Pr-150







(n,3n)
Radionuclide Production Cross Section

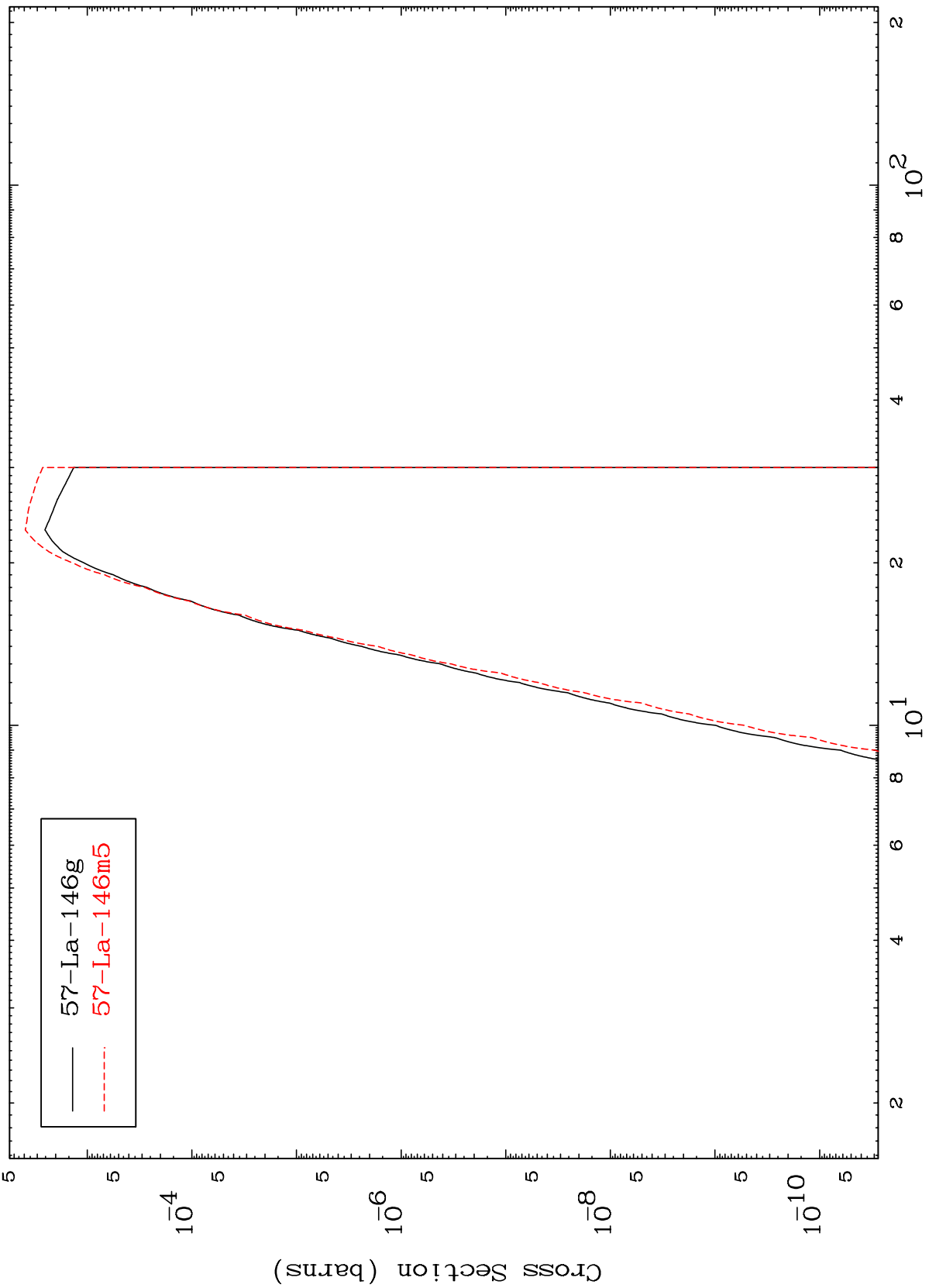


MAT 5952

59-Pr-150

(n,n') α

Radionuclide Production Cross Section



— 57-La-146g
- - - 57-La-146m5

107

59-Pr-150

Incident Energy (MeV)