

Program EVALPLOT
(Version 2015-2)

by

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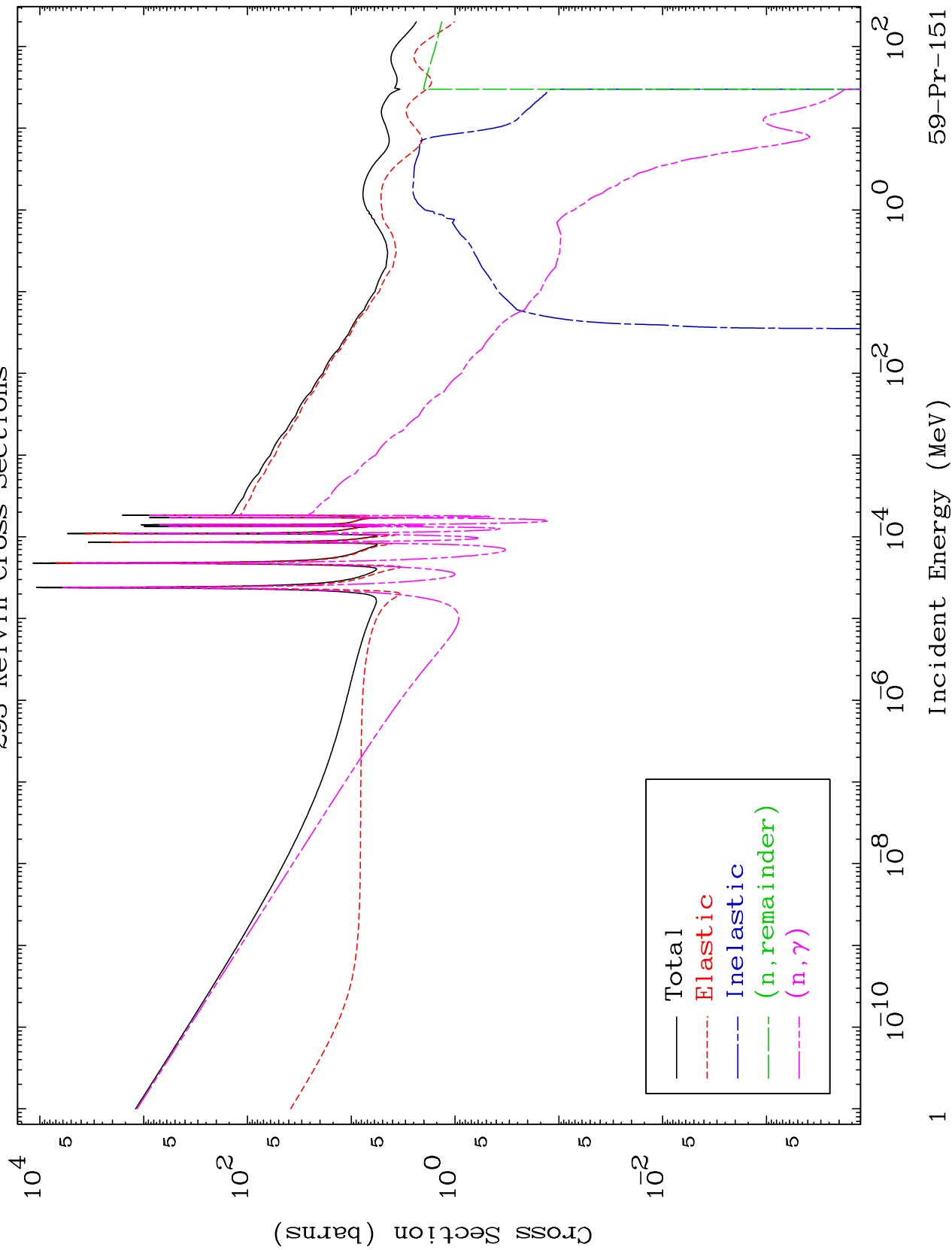
Press Mouse Button to Start

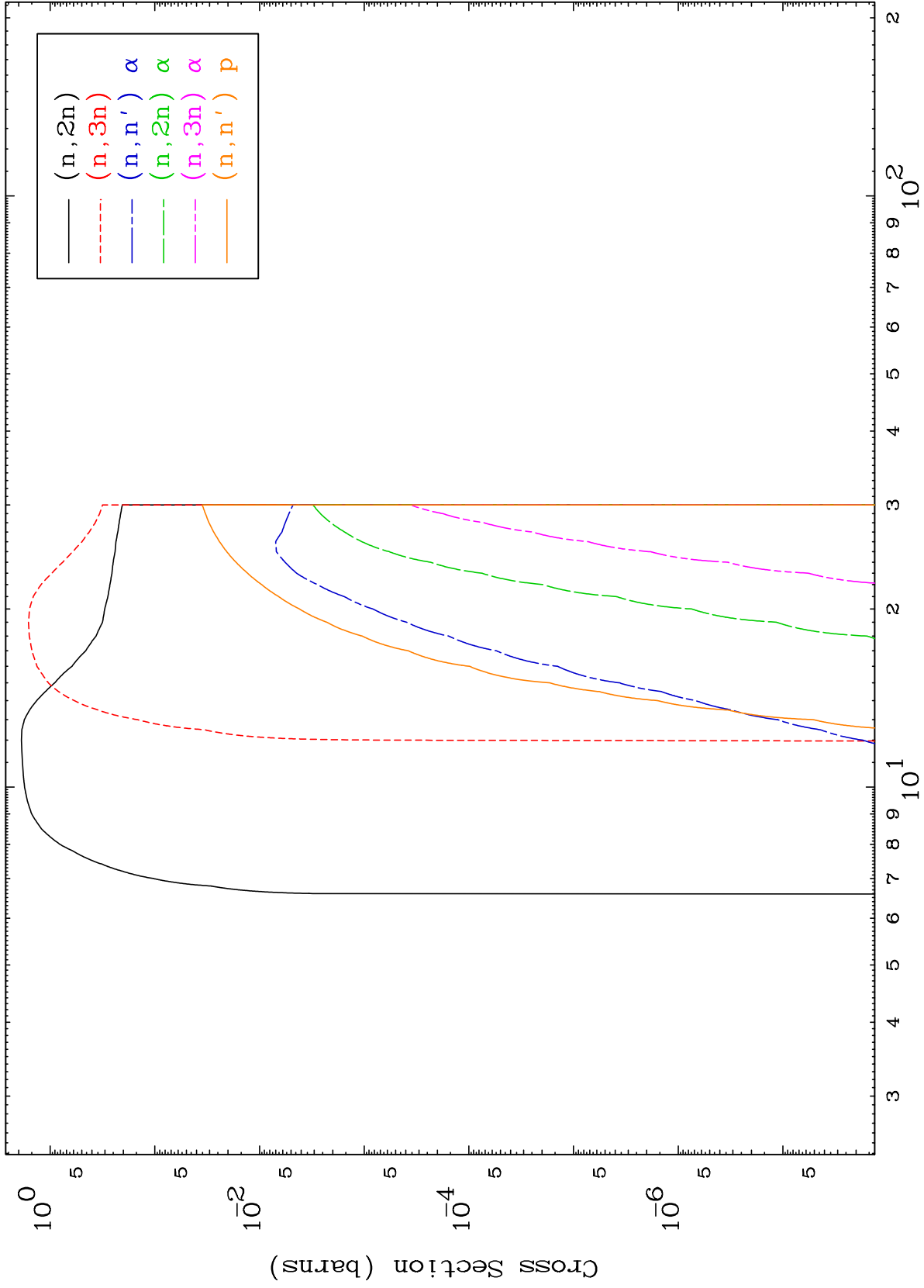
MAT 5955

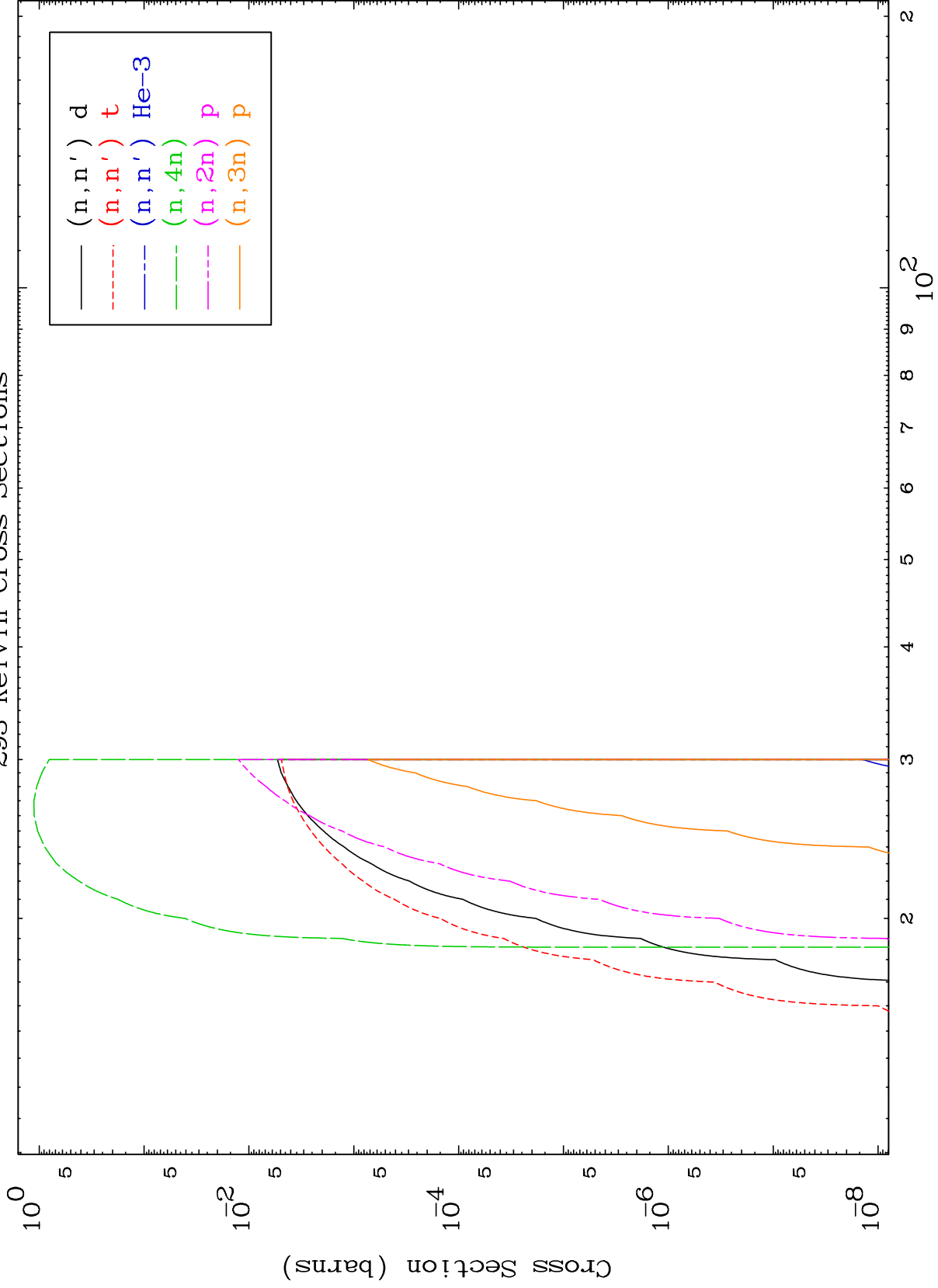
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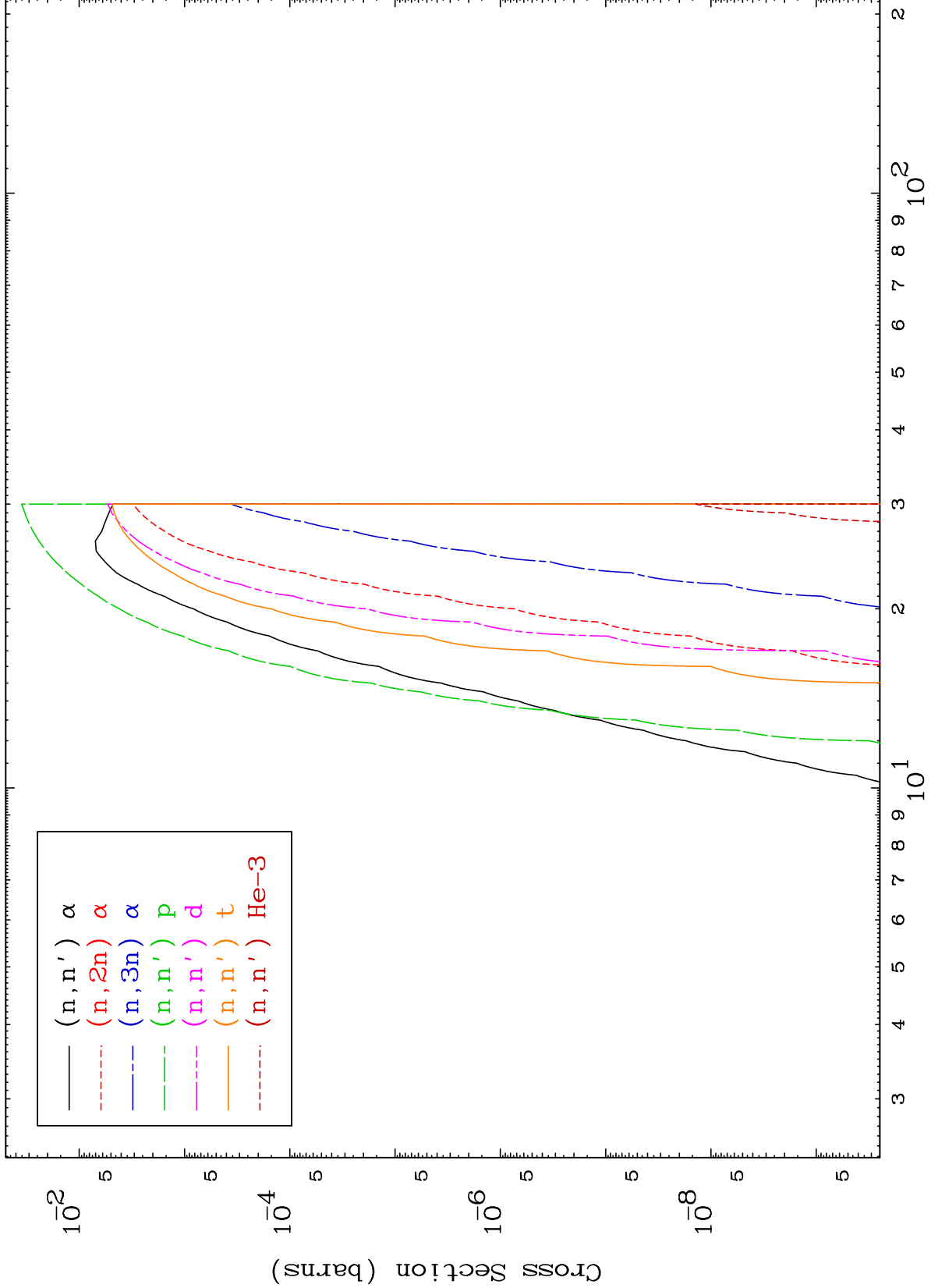
293 Kelvin Cross Sections

59-Pr-151





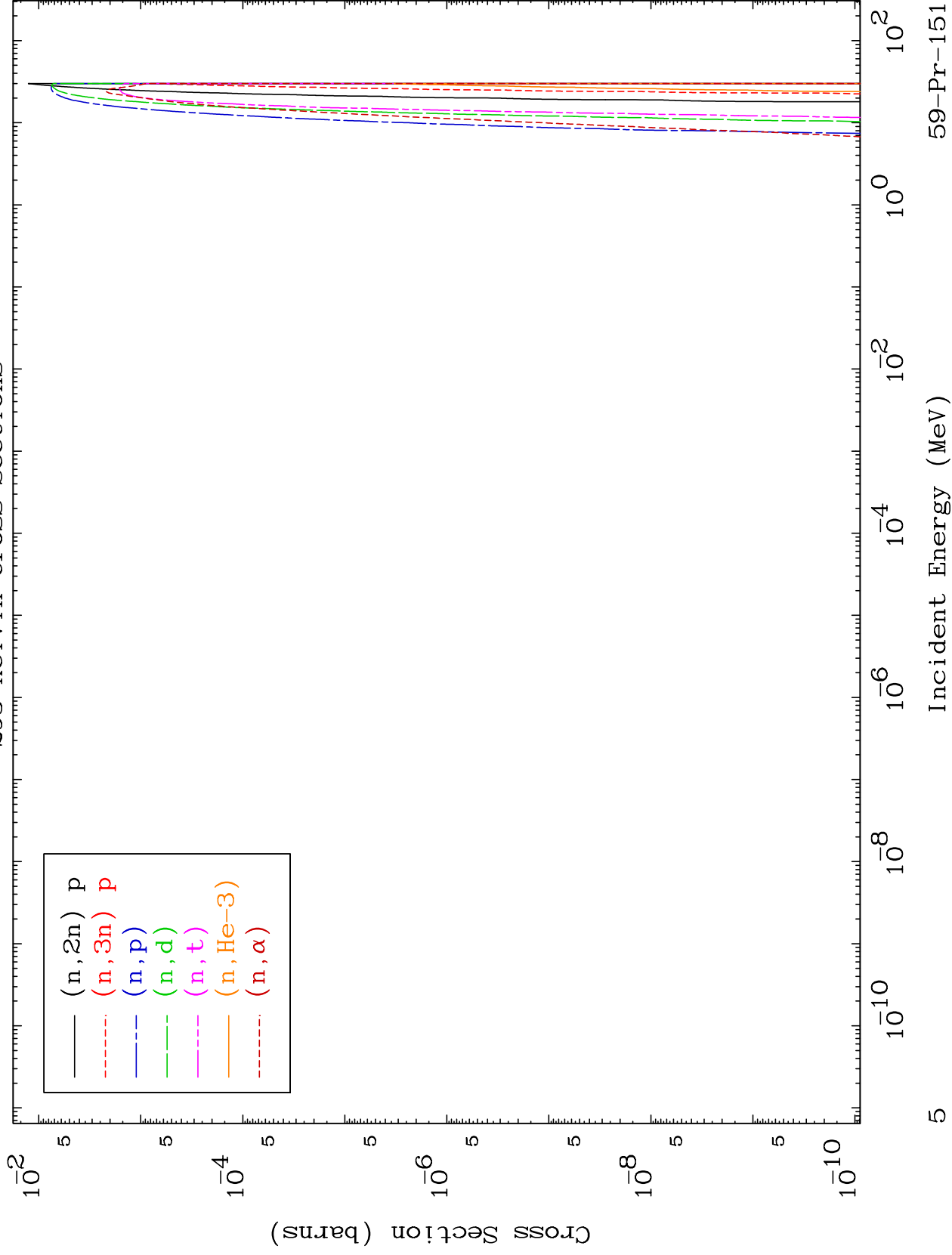




MAT 5955

Charged Particle
293 Kelvin Cross Sections

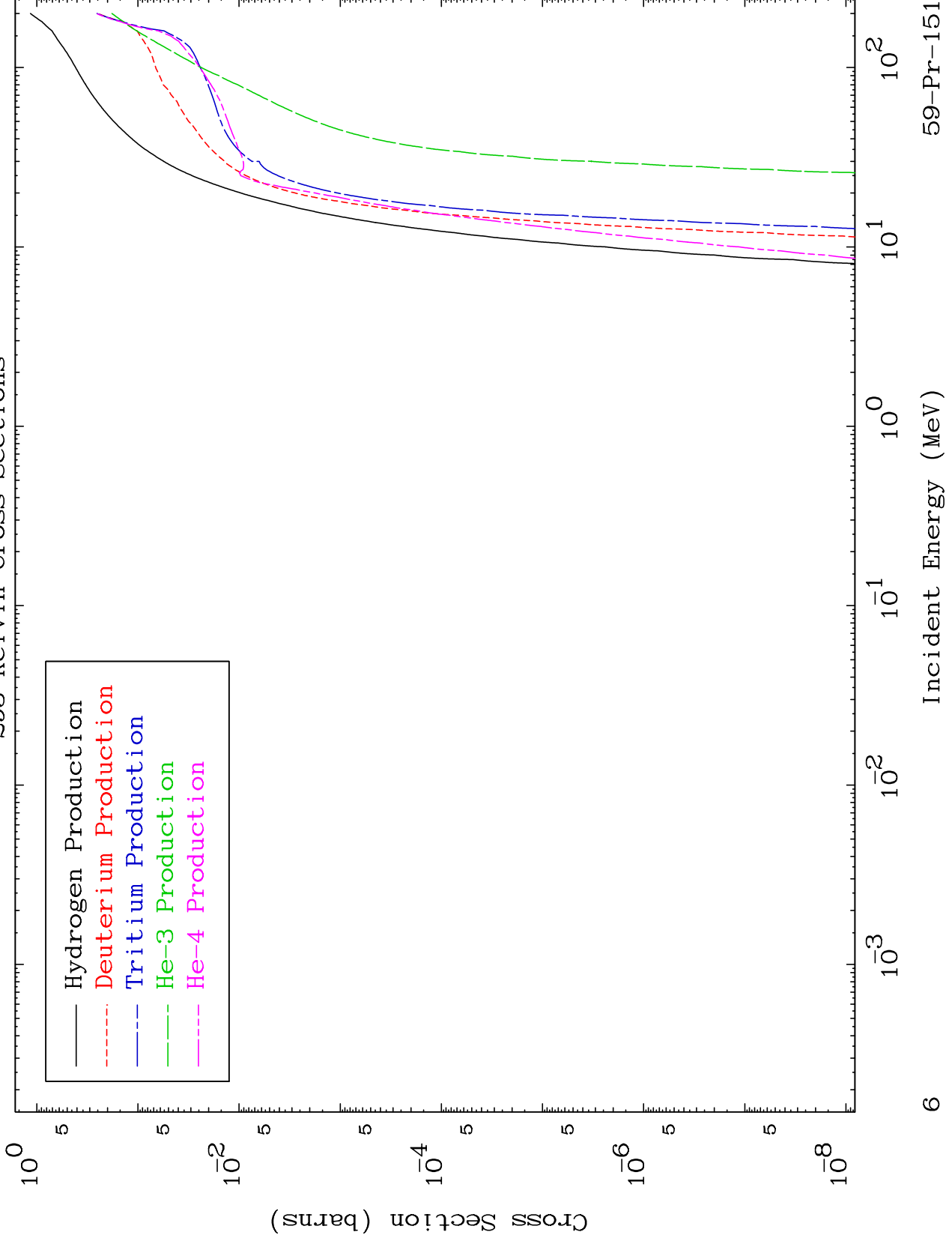
59-Pr-151



MAT 5955

Particle Production
293 Kelvin Cross Sections

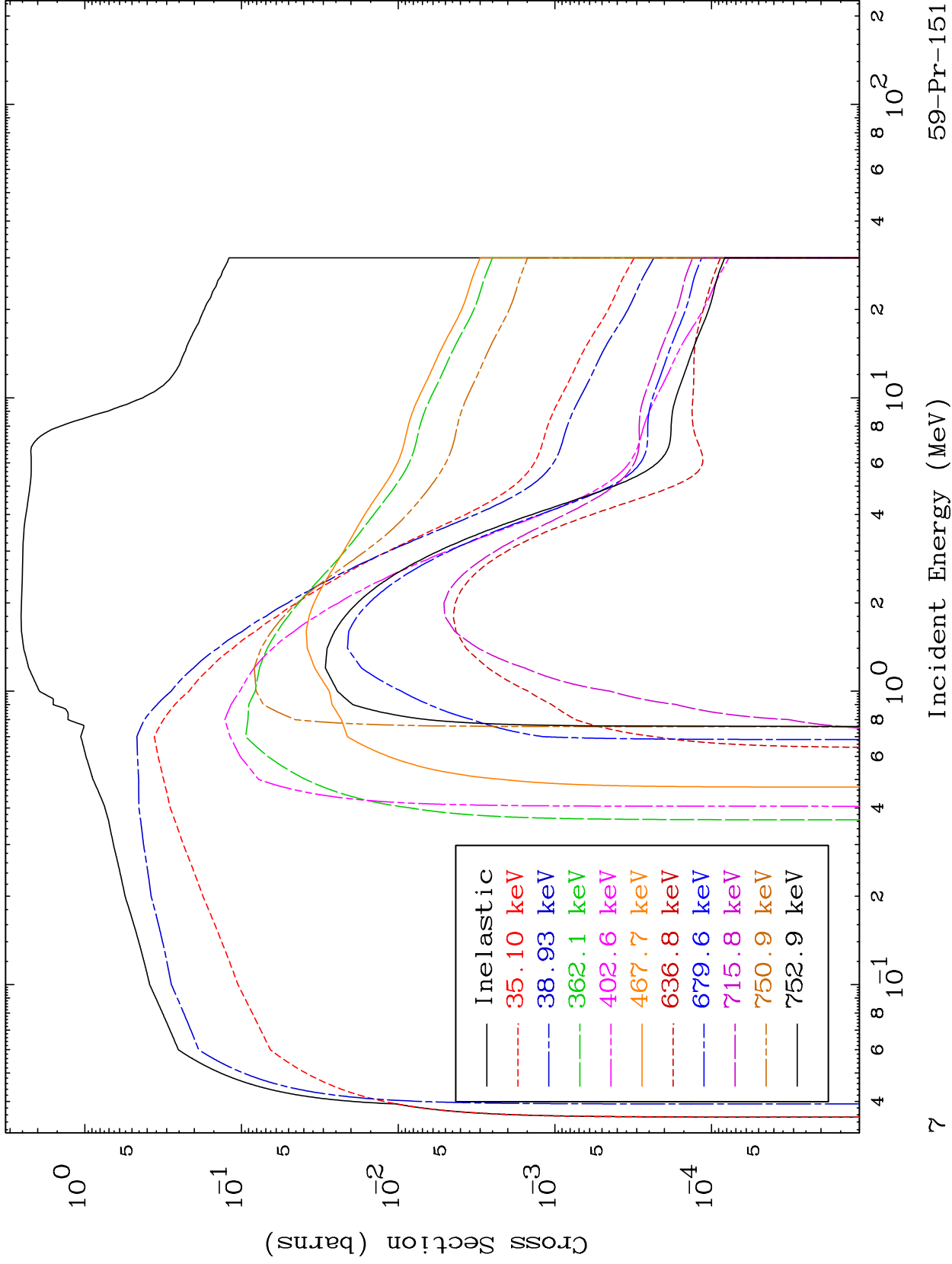
59-Pr-151



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59-Pr-151

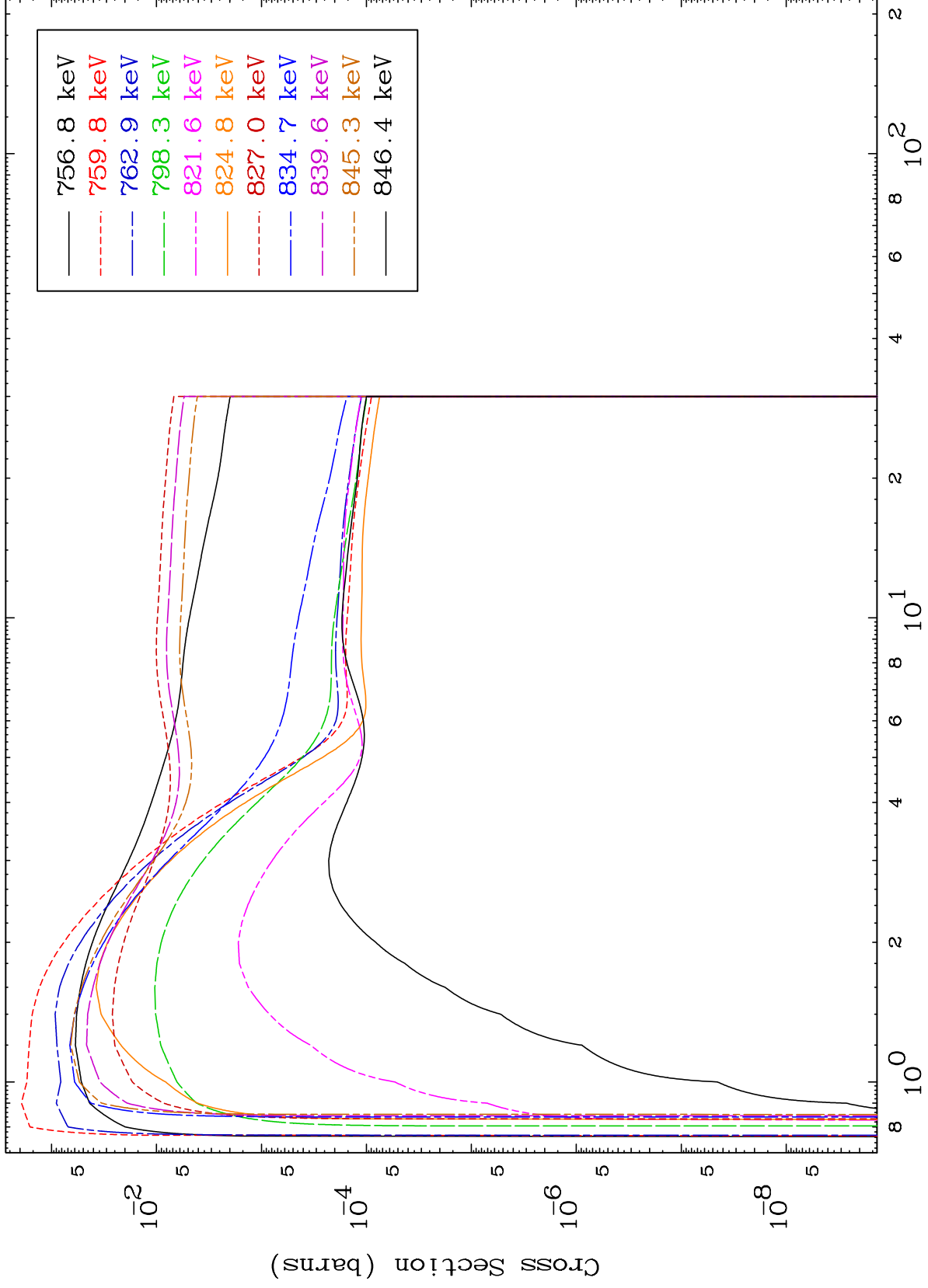
(n,n') Level
293 Kelvin Cross Sections



MAT 5955

(n,n') Level
293 Kelvin Cross Sections

59-Pr-151



59-Pr-151

Incident Energy (MeV)

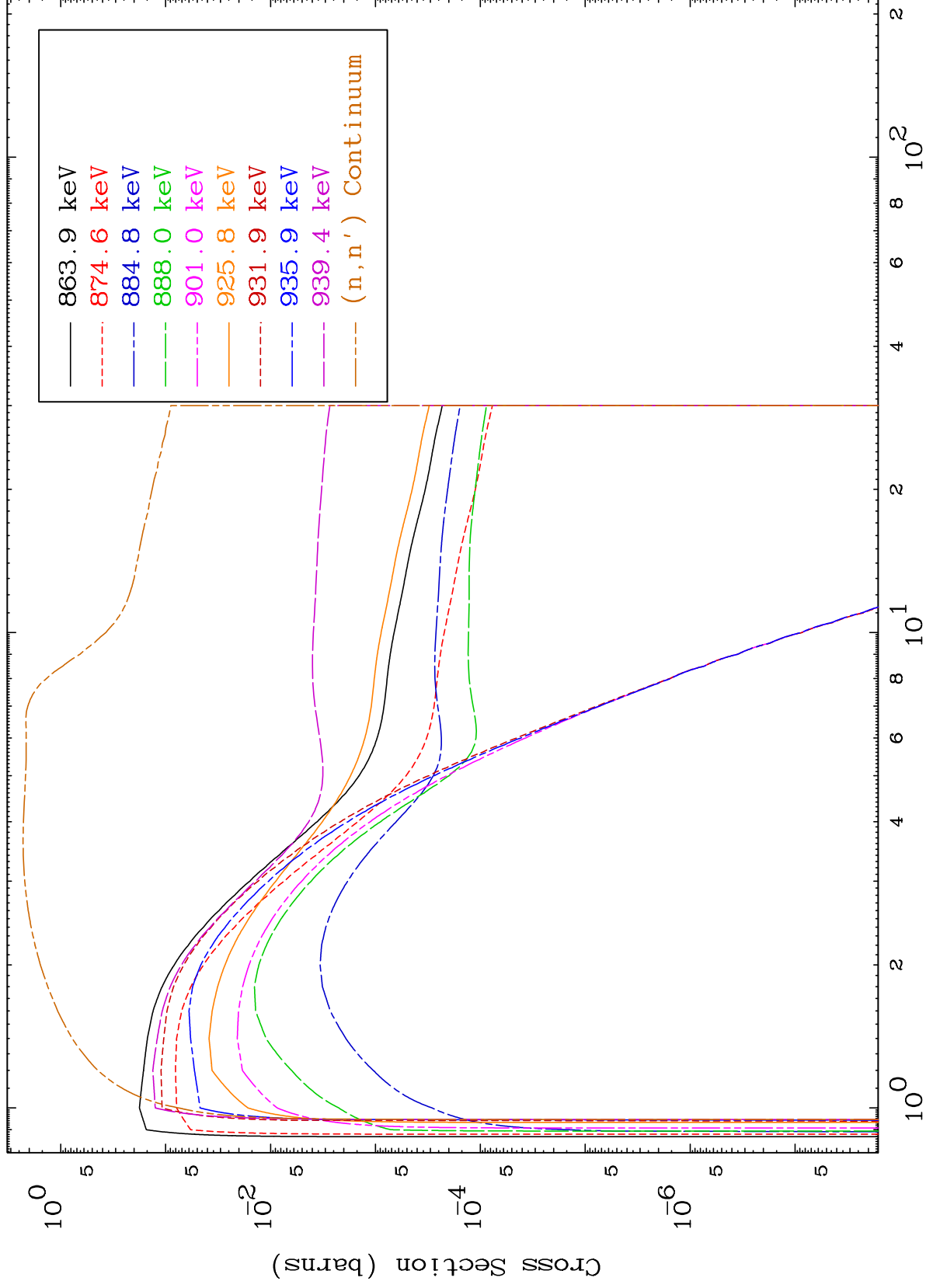
8

MAT 5955

(n,n') Level

59-Pr-151

293 Kelvin Cross Sections



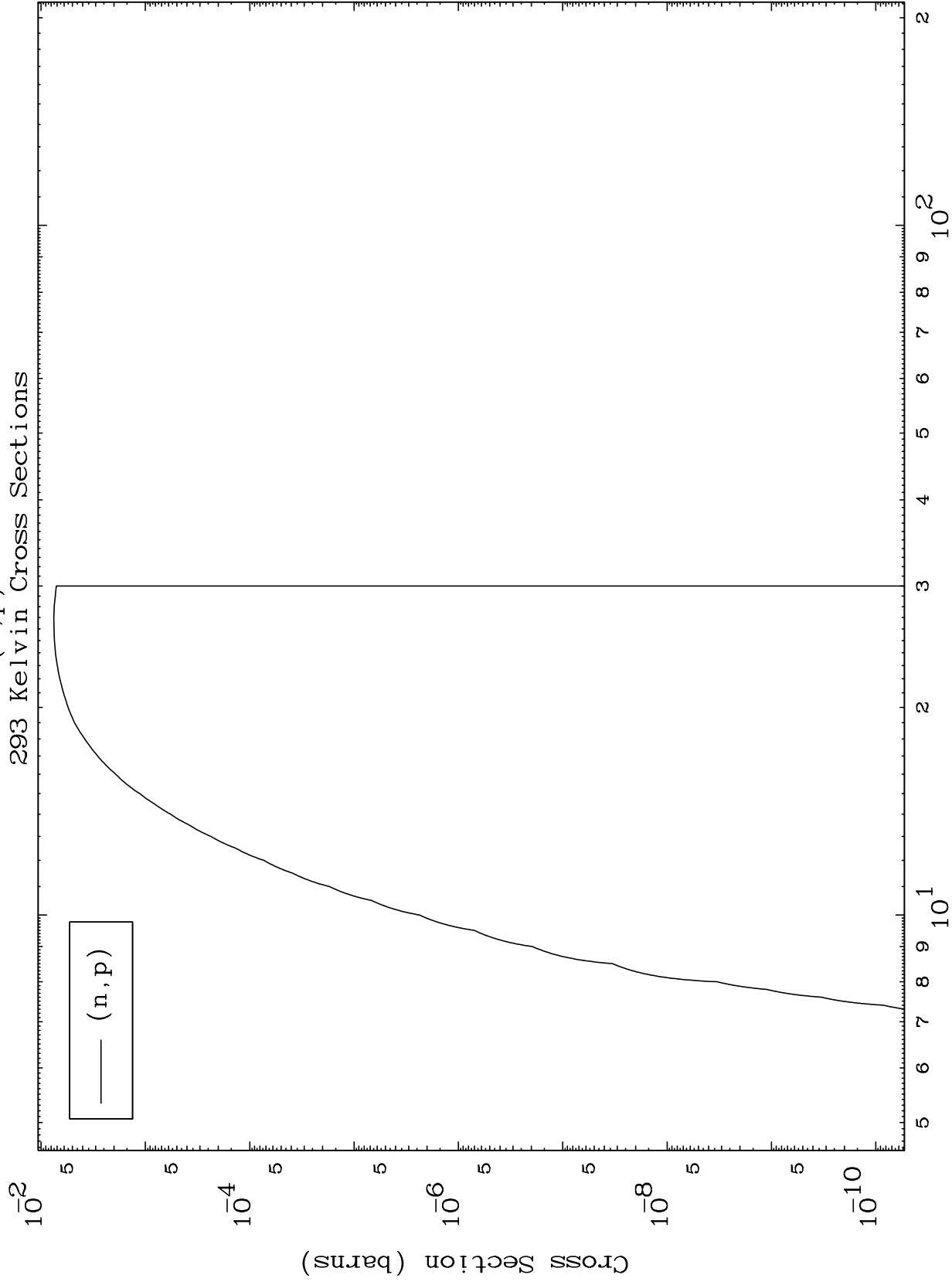
Incident Energy (MeV)

59-Pr-151

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(n,p) Levels
293 Kelvin Cross Sections

59-Pr-151



10

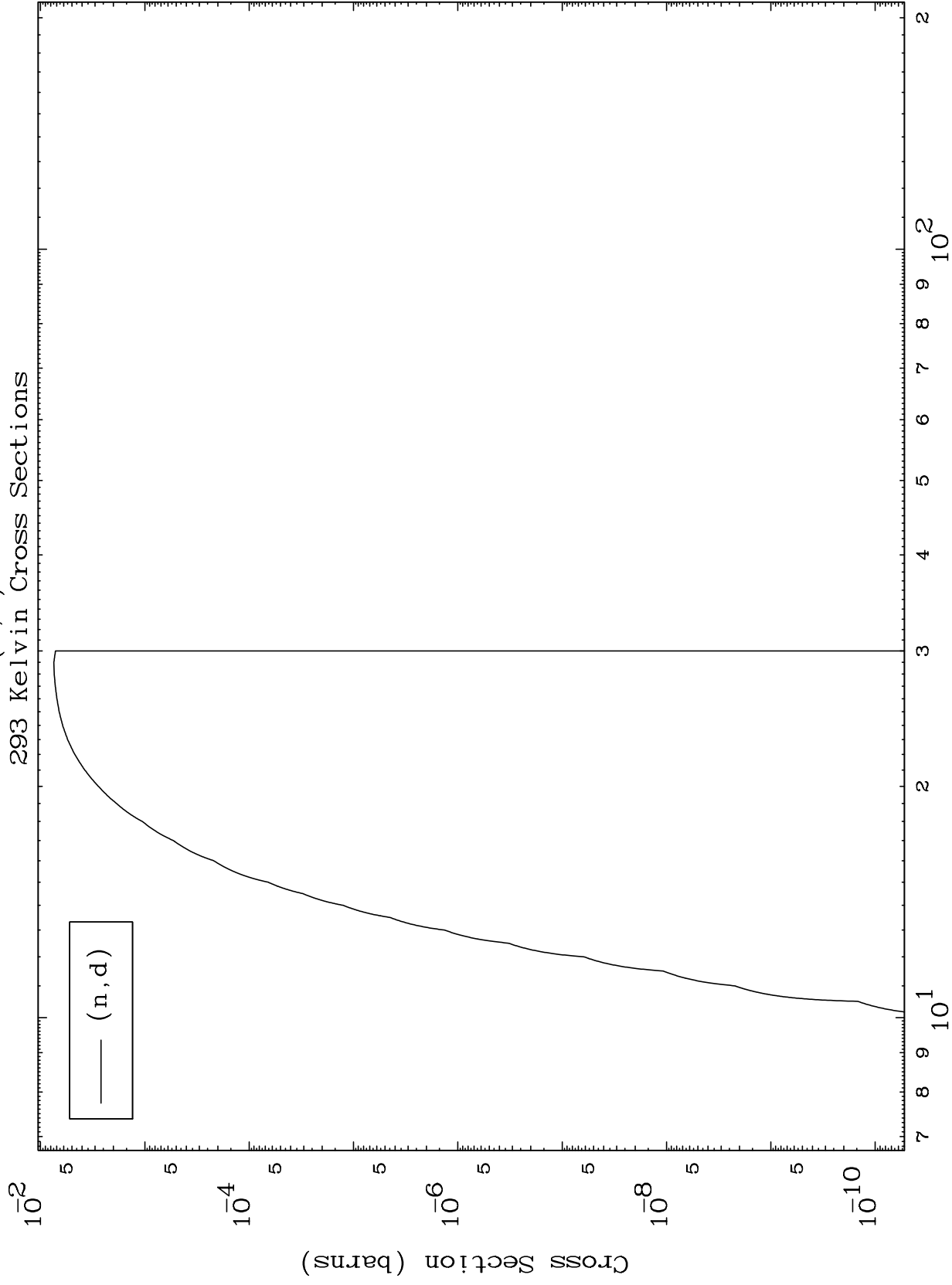
Incident Energy (MeV)

59-Pr-151

MAT 5955

(n,d) Levels
293 Kelvin Cross Sections

59-Pr-151



11

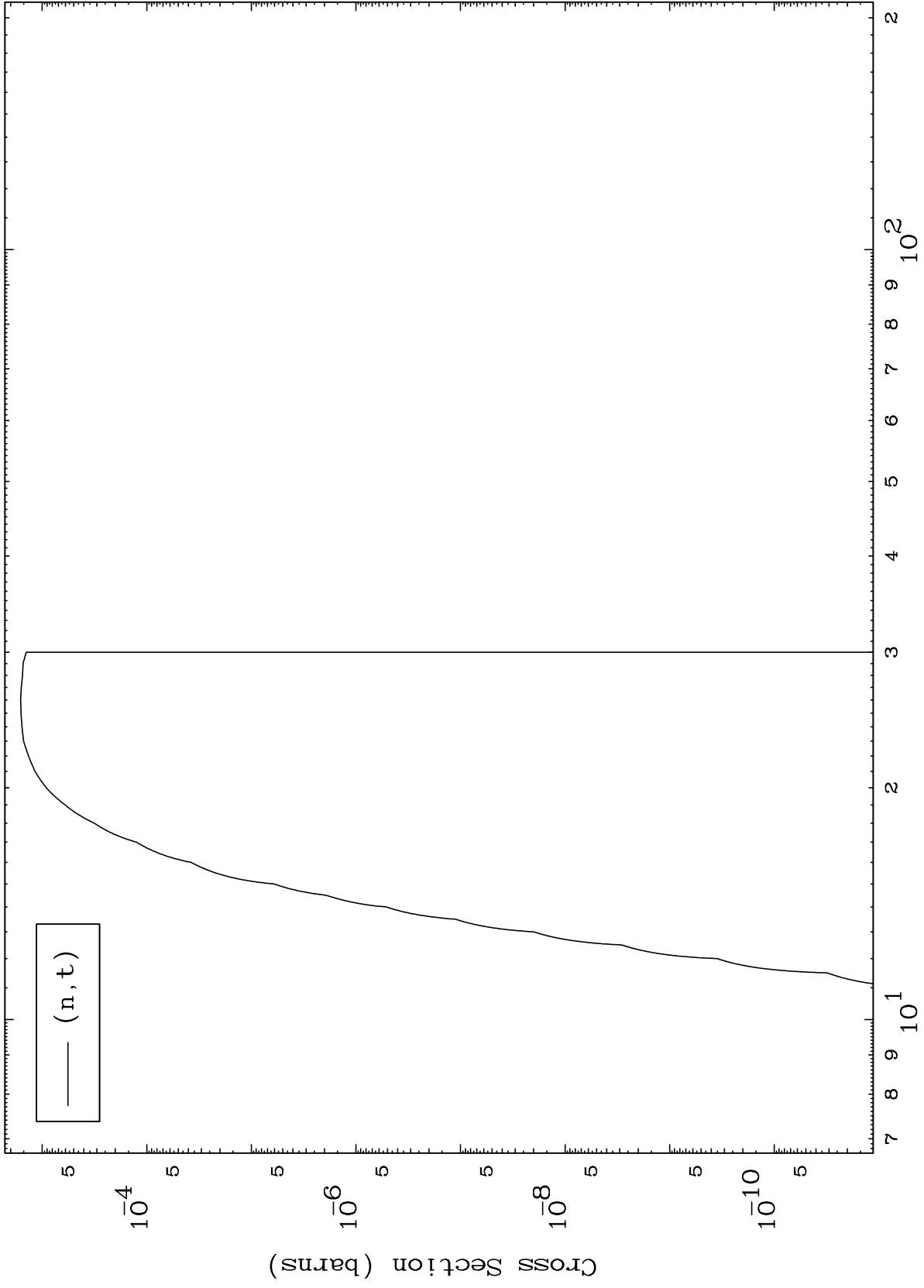
Incident Energy (MeV)

59-Pr-151

MAT 5955

(n,t) Levels
293 Kelvin Cross Sections

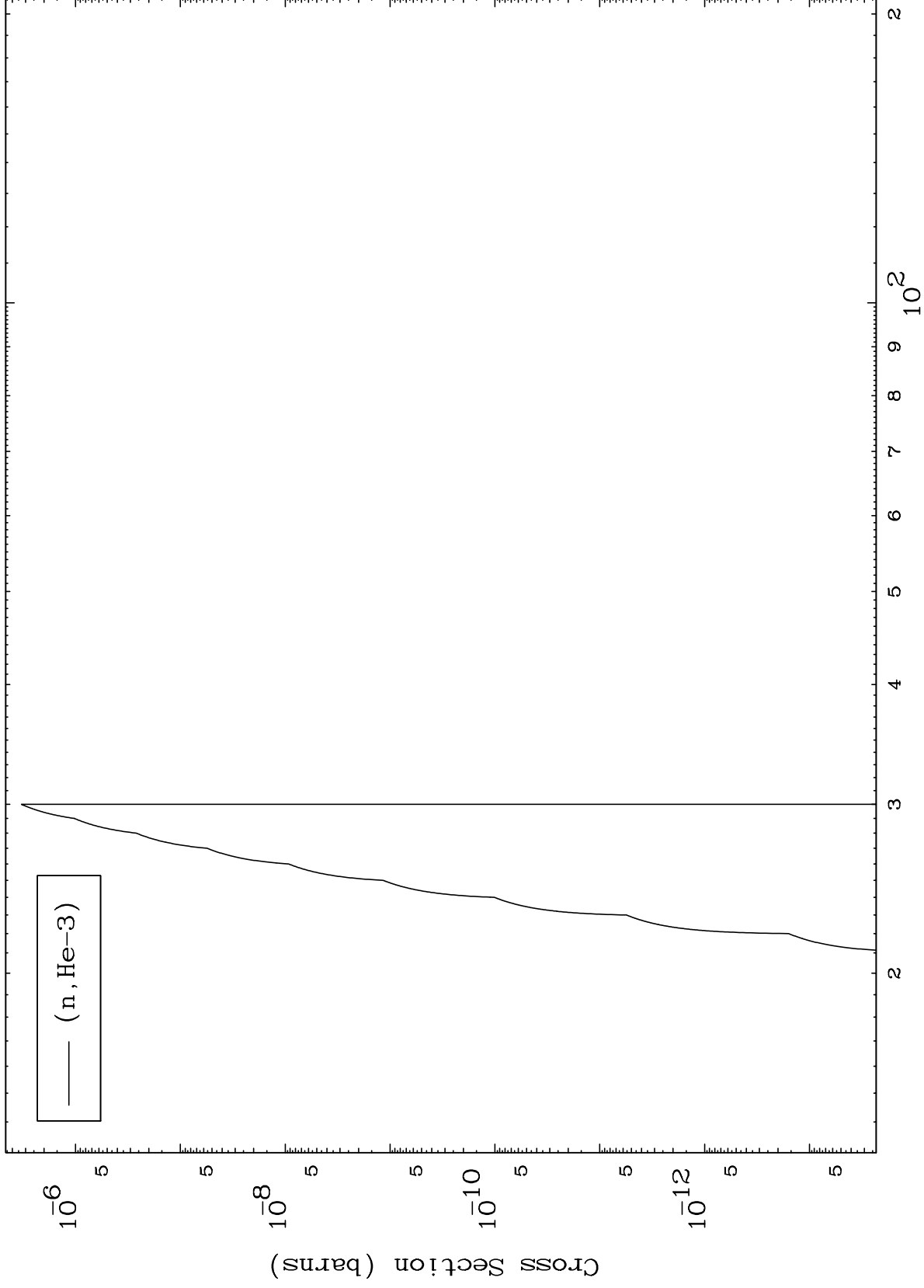
59-Pr-151



12

Incident Energy (MeV)

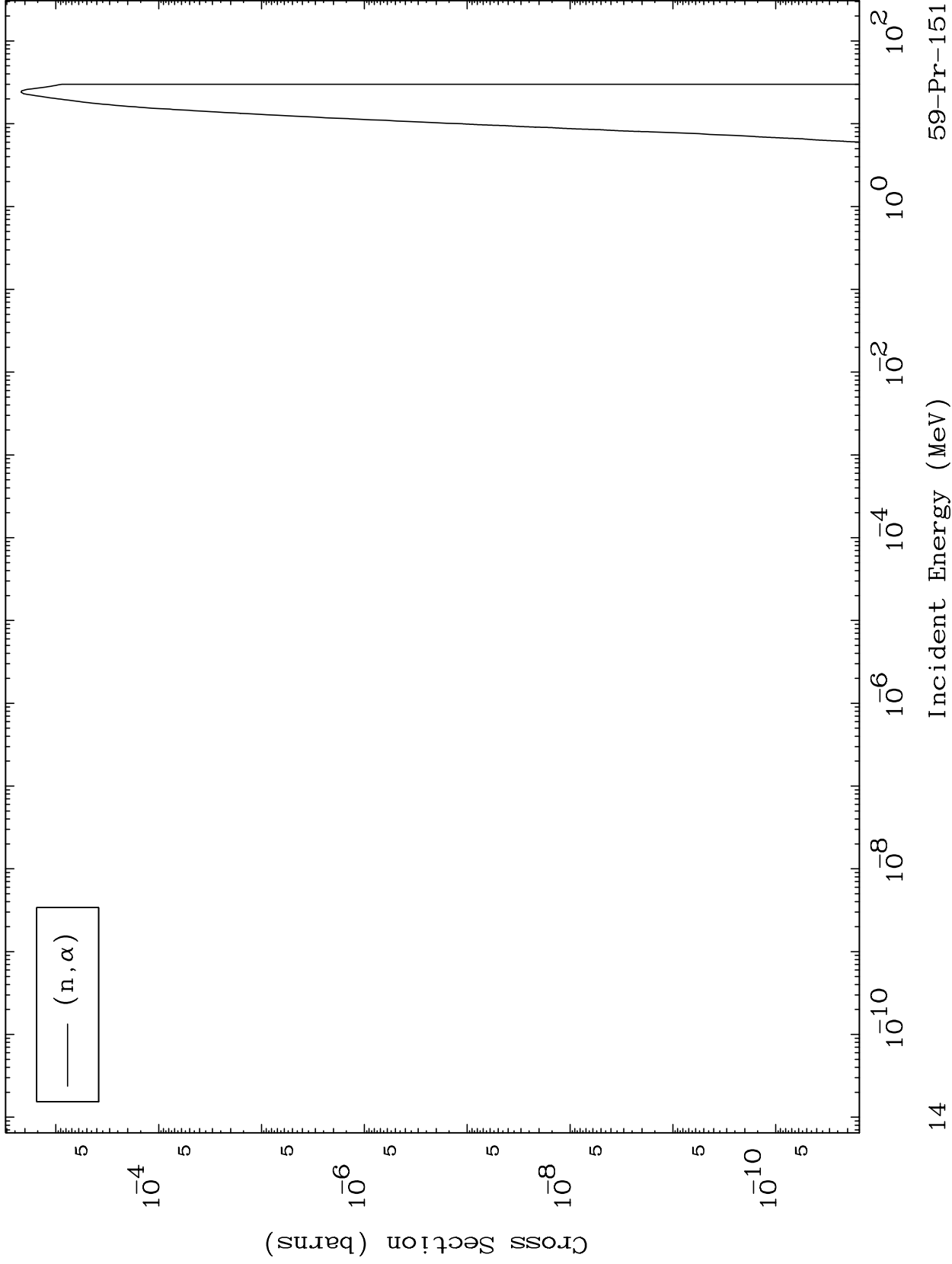
59-Pr-151



MAT 5955

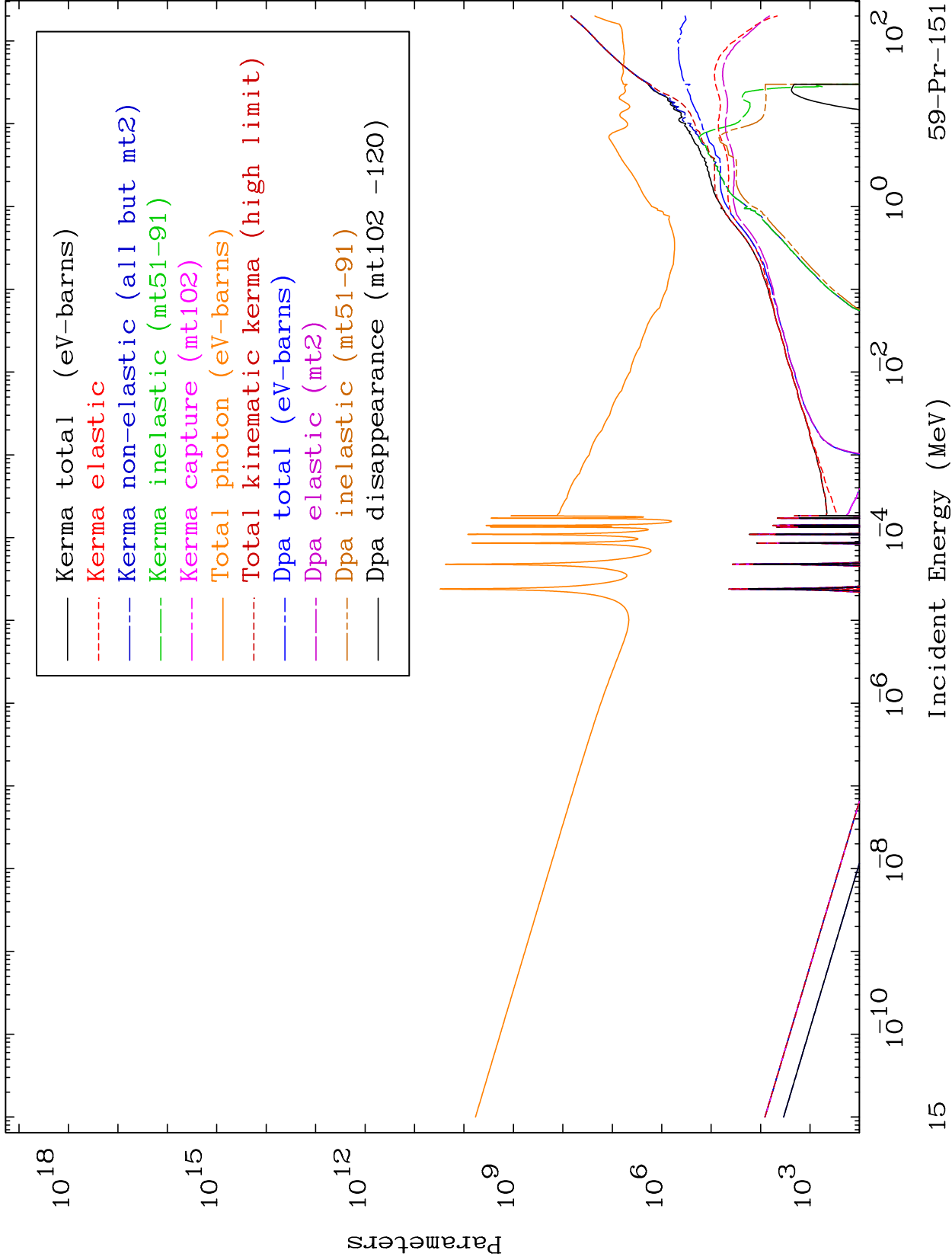
(n, α) Levels
293 Kelvin Cross Sections

59-Pr-151



14

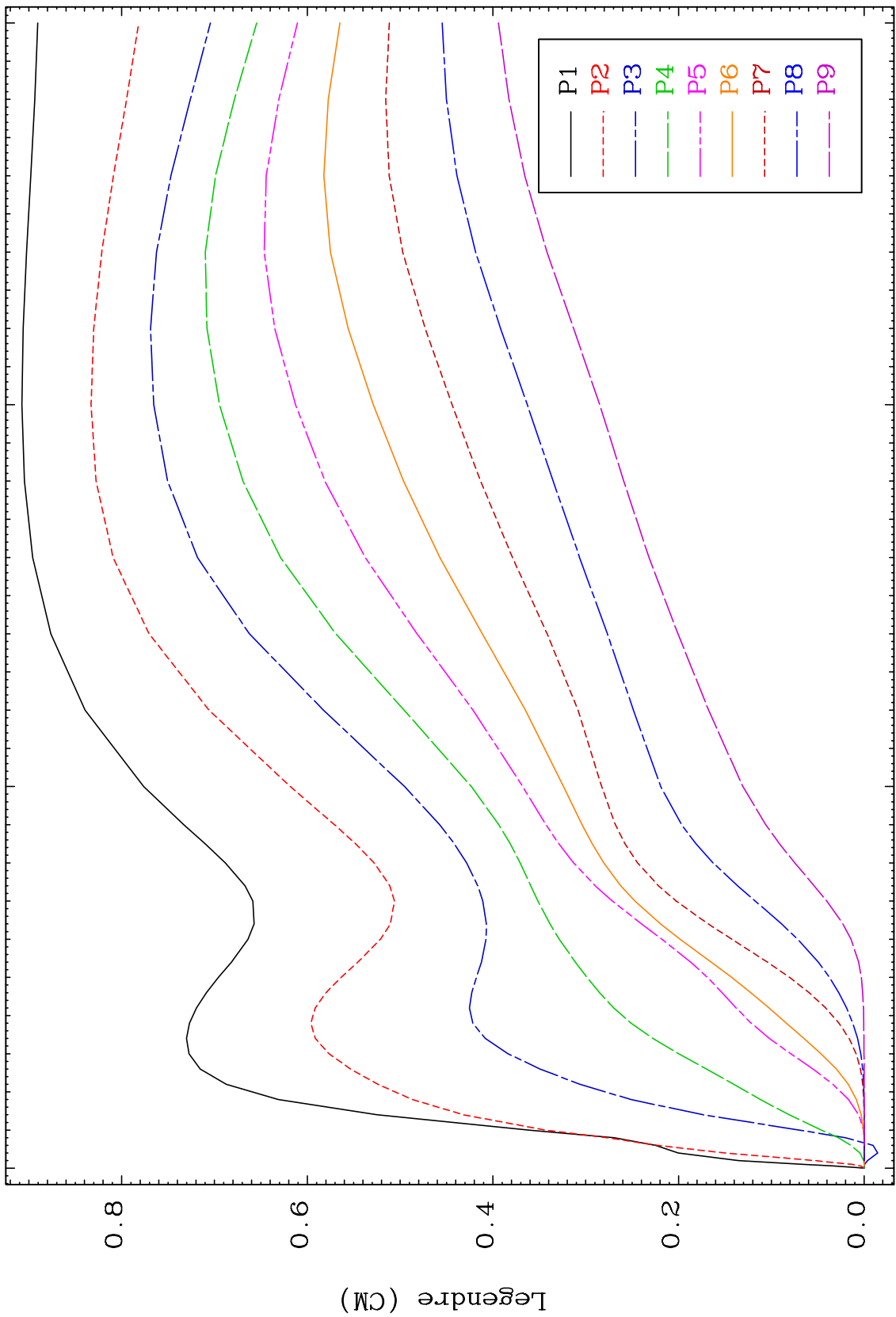
59-Pr-151



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59-Pr-151

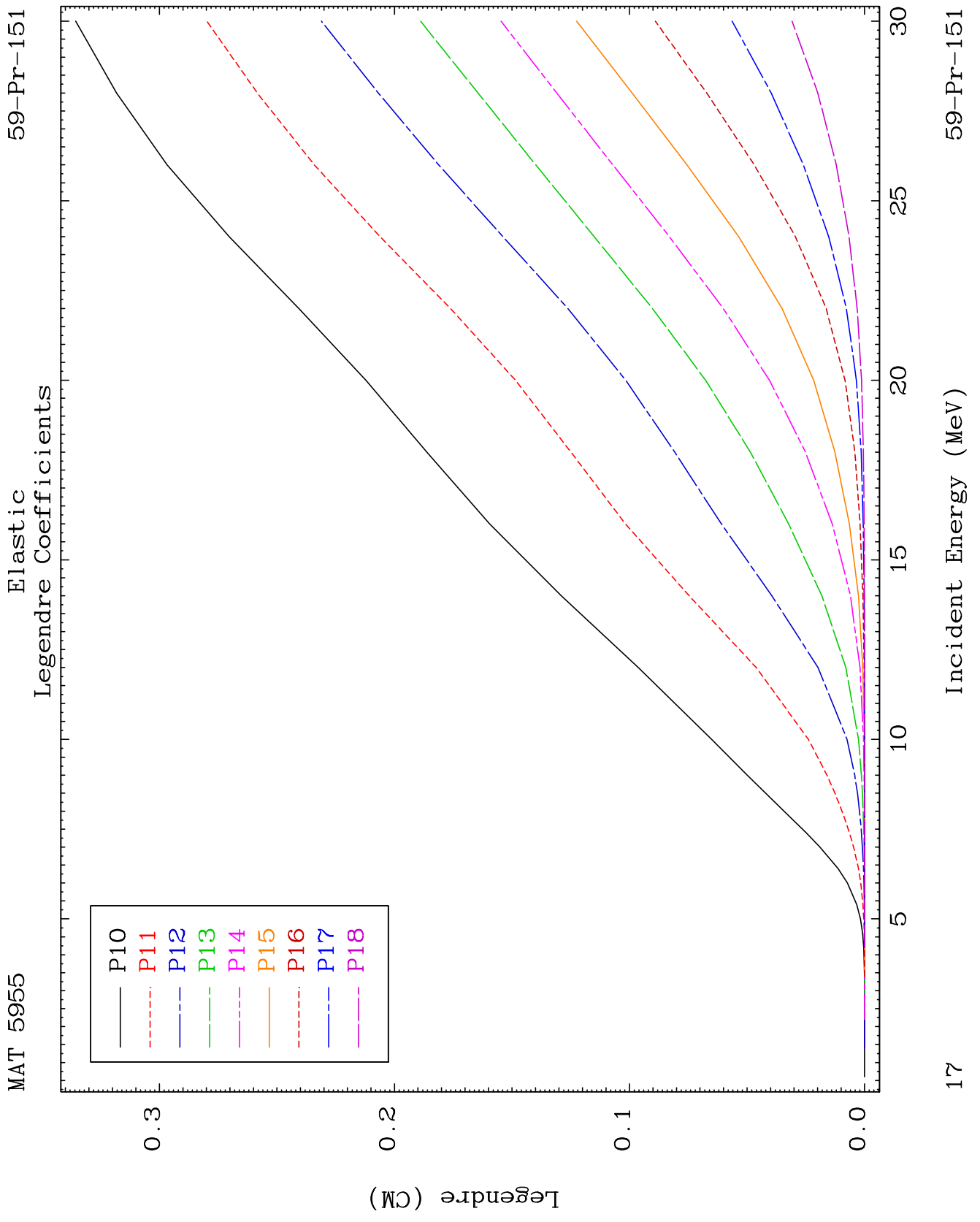
Elastic Legendre Coefficients



16

Incident Energy (MeV)

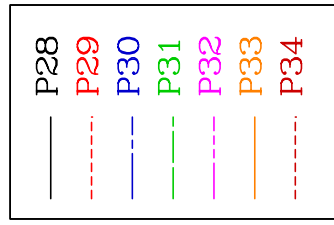
59-Pr-151



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Elastic Legendre Coefficients

59-Pr-151



$\times 10^{-6}$
2.0
1.5

Legendre (CM)

1.0

0.5

0.0

15

20

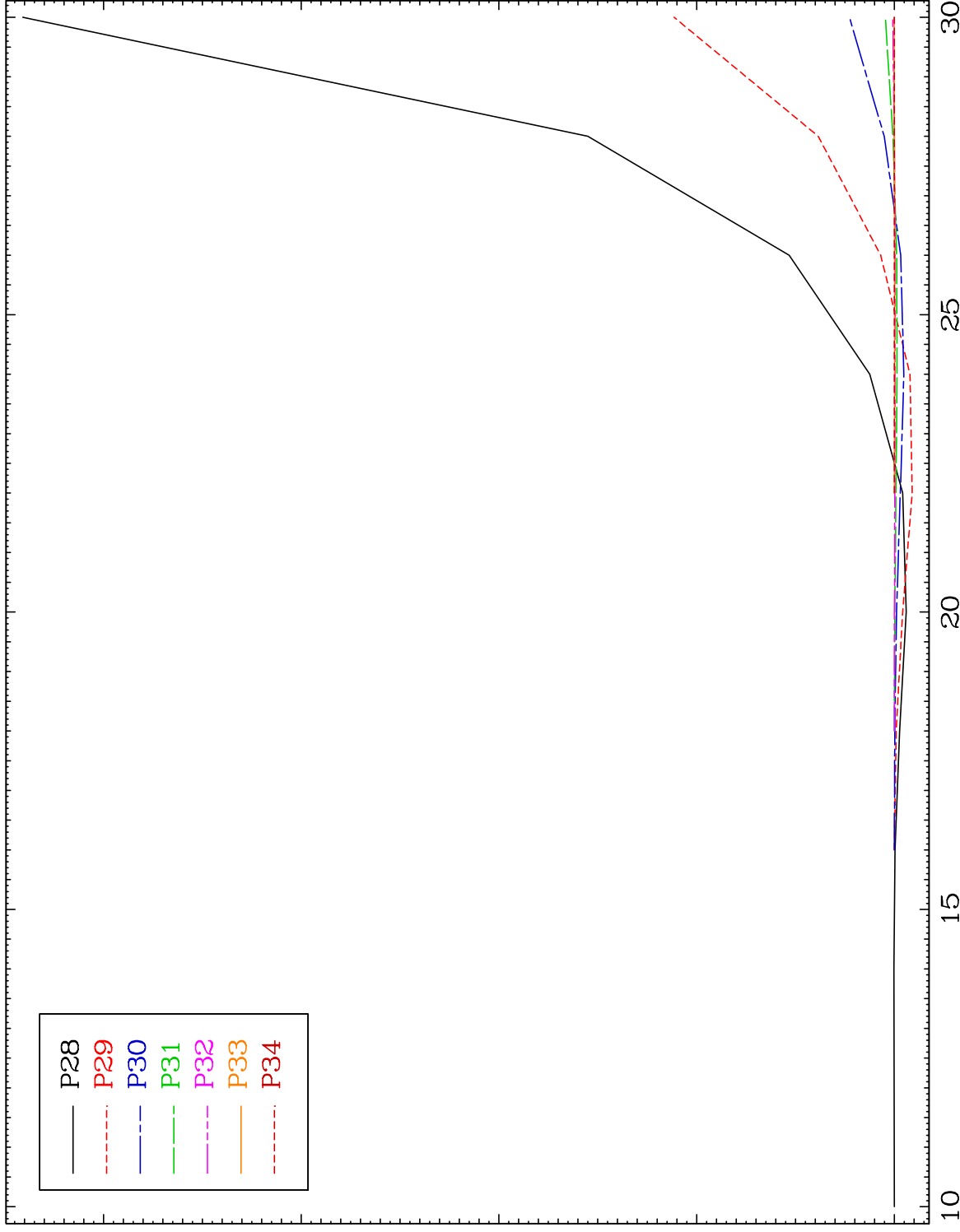
25

30

19

Incident Energy (MeV)

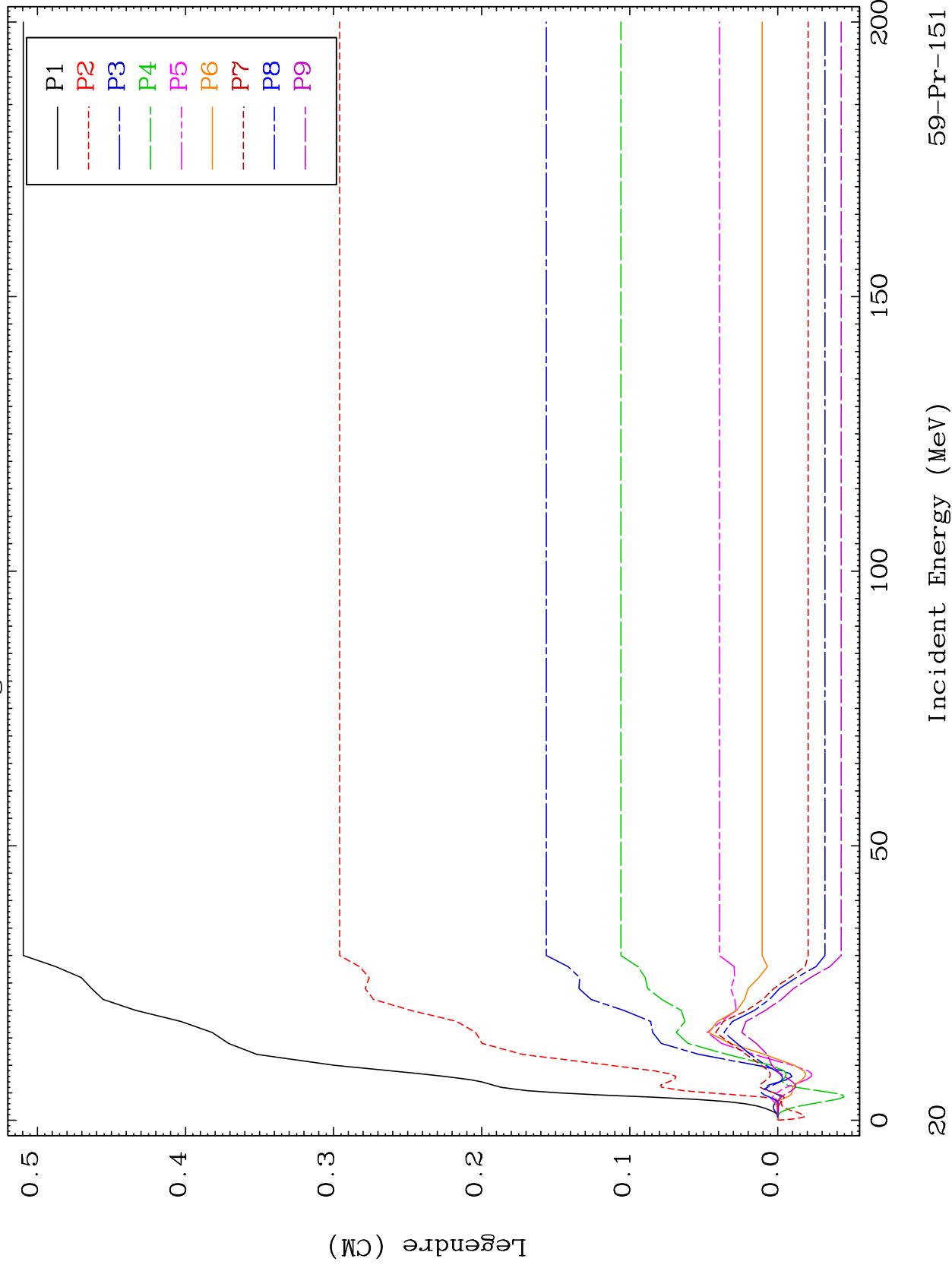
59-Pr-151



MAT 5955

35.10 keV (n,n') Level
Legendre Coefficients

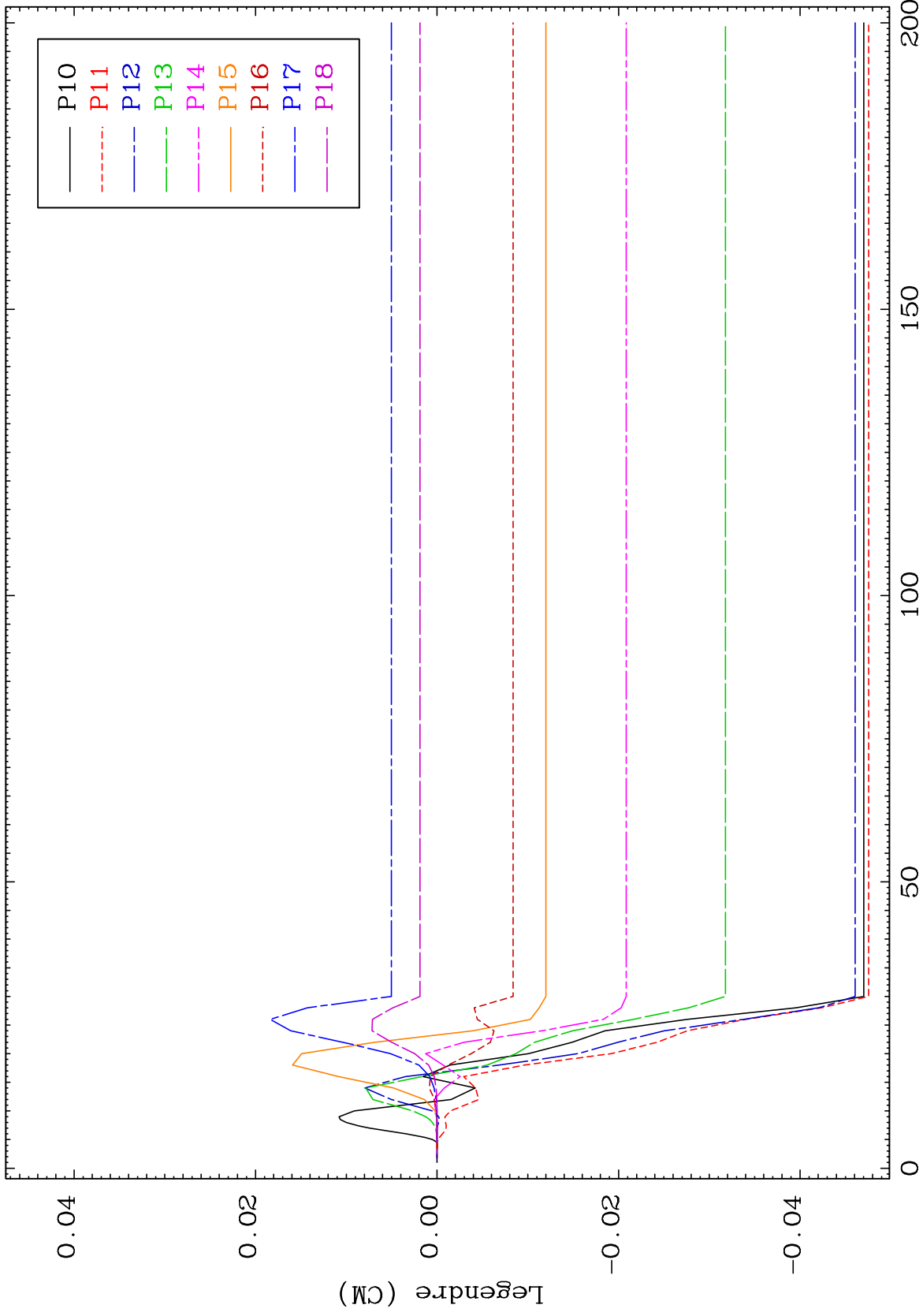
59-Pr-151



MAT 5955

35.10 keV (n,n') Level
Legendre Coefficients

59-Pr-151



21

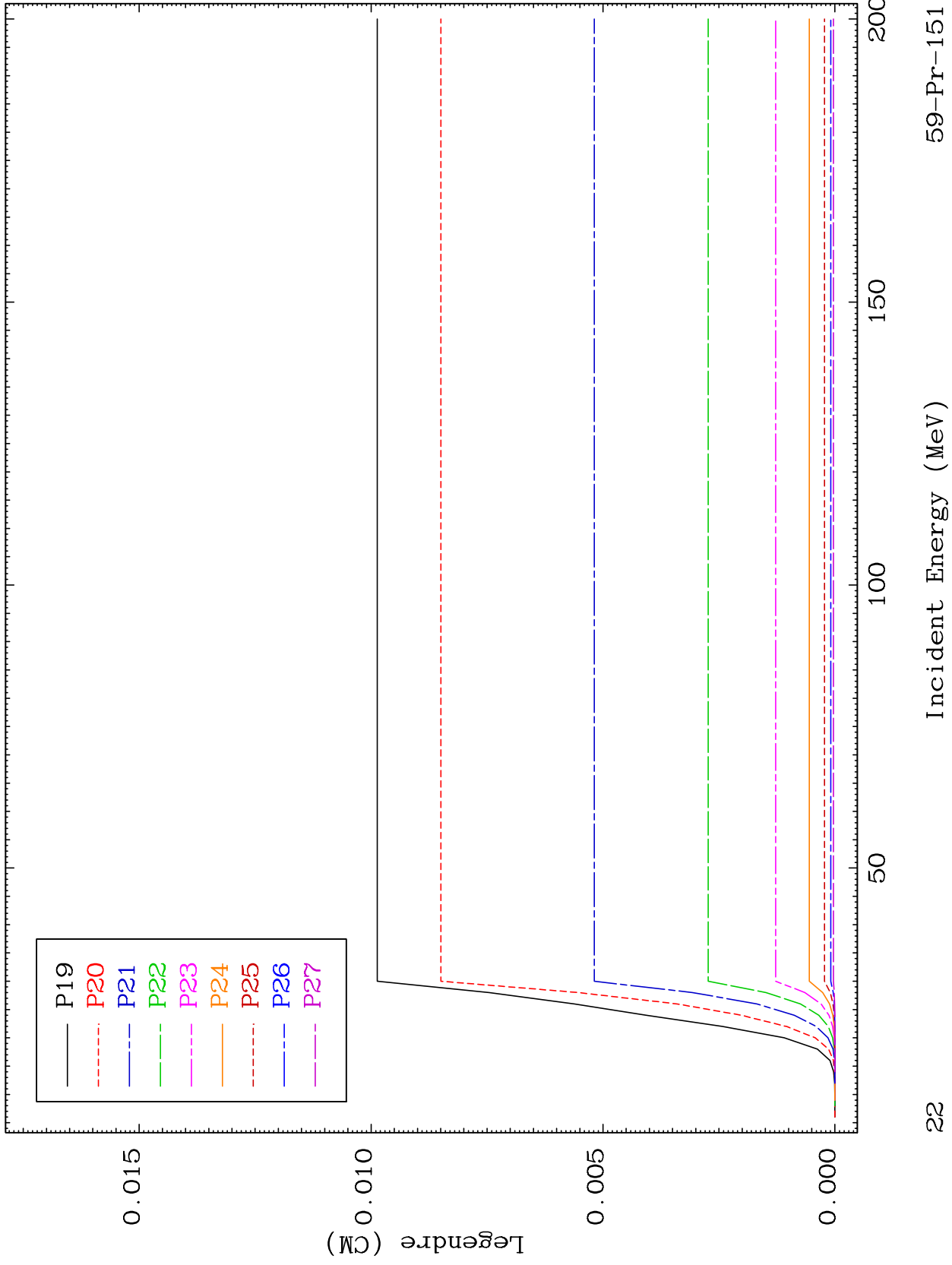
Incident Energy (MeV)

59-Pr-151

MAT 5955

35.10 keV (n,n') Level
Legendre Coefficients

59-Pr-151



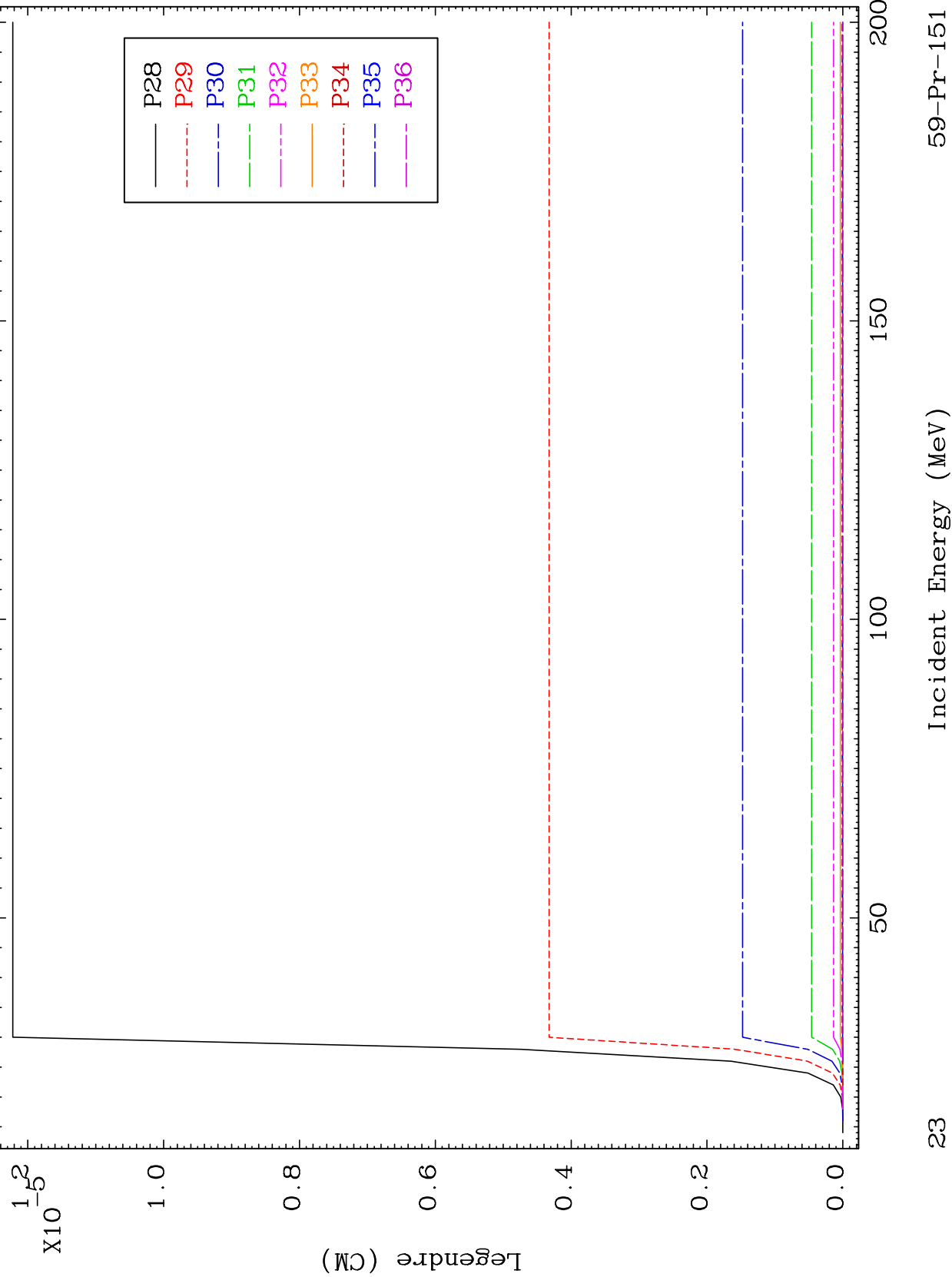
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59-Pr-151

MAT 5955

35.10 keV (n,n') Level
Legendre Coefficients

59-Pr-151



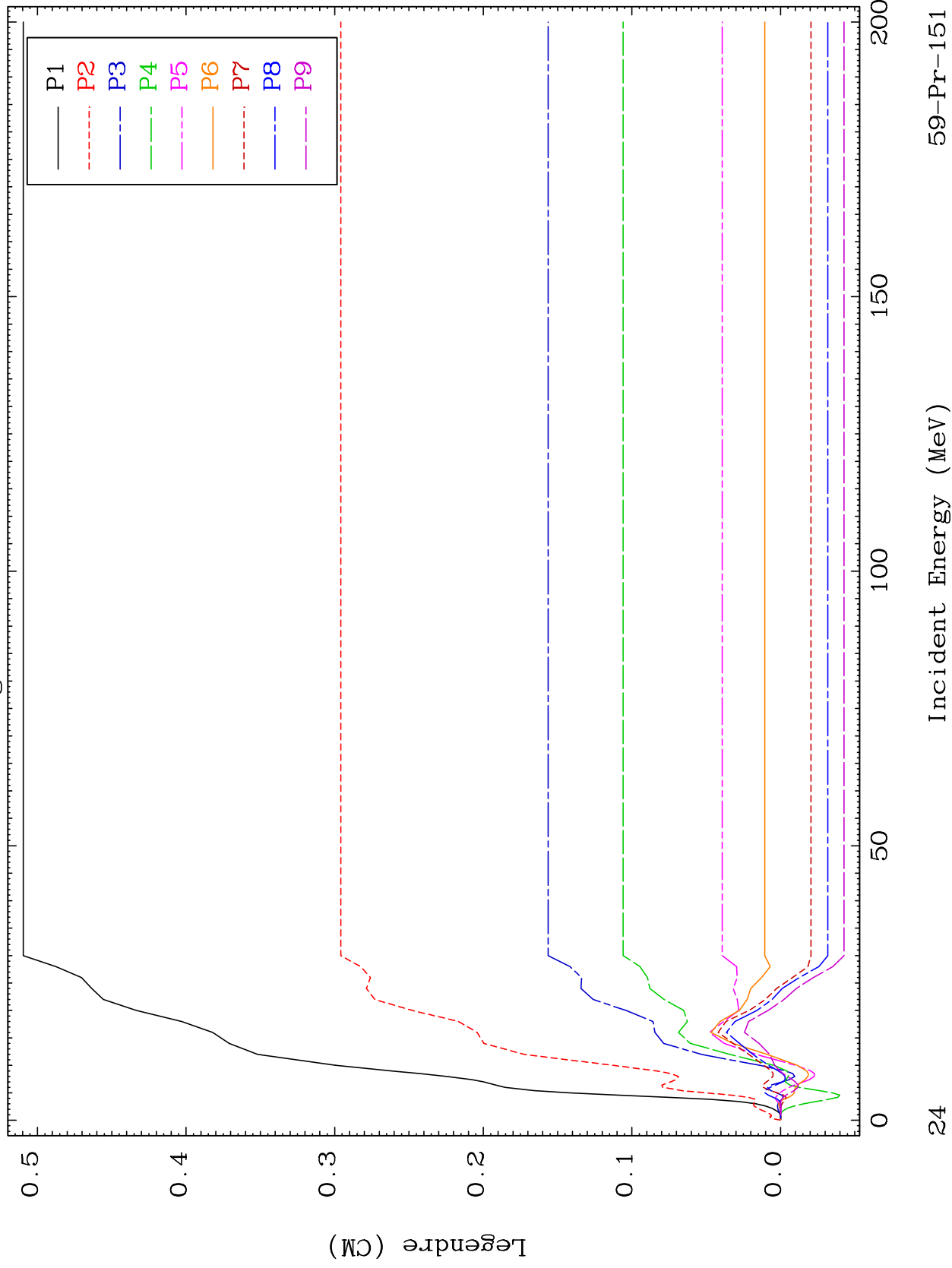
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59-Pr-151

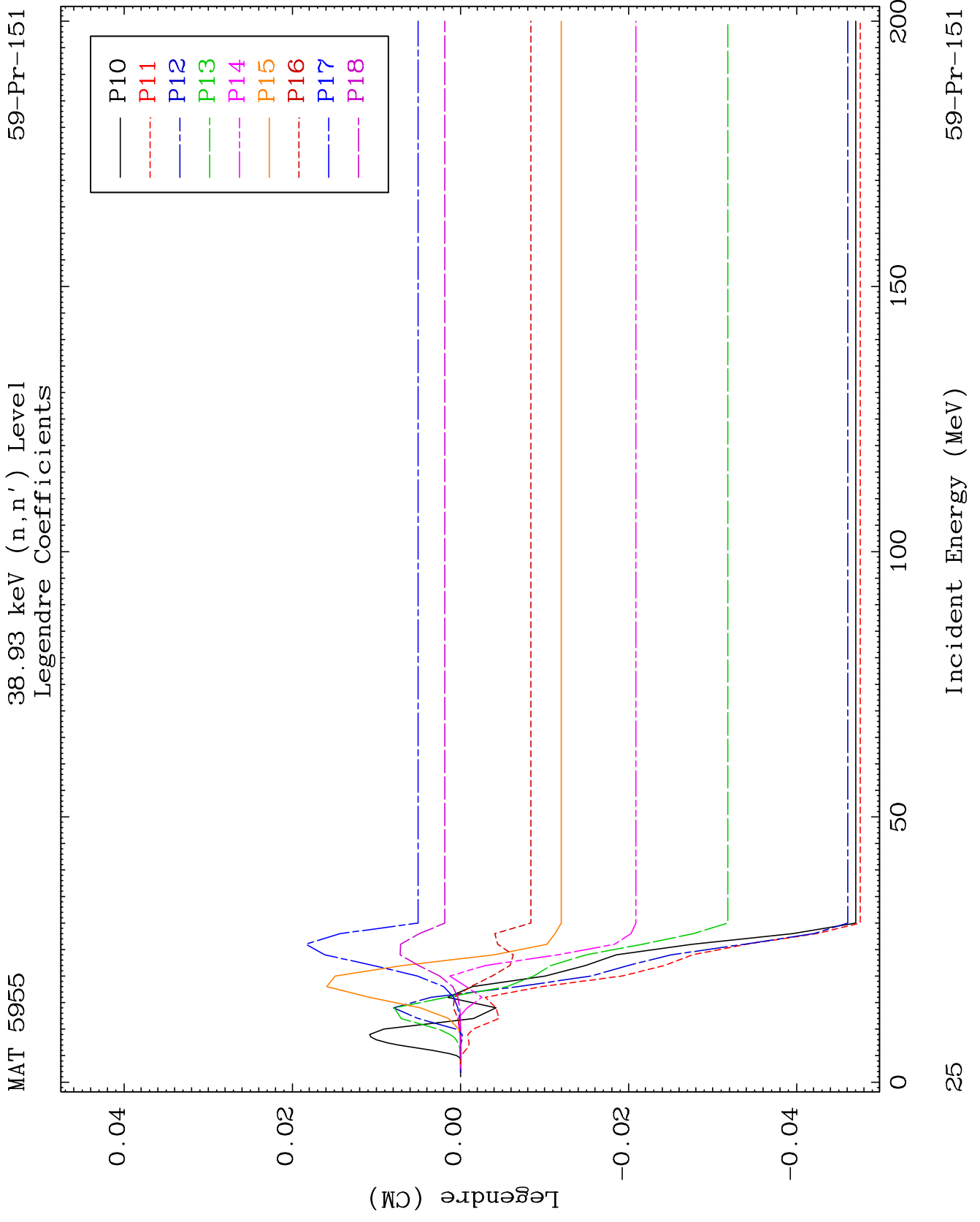
MAT 5955

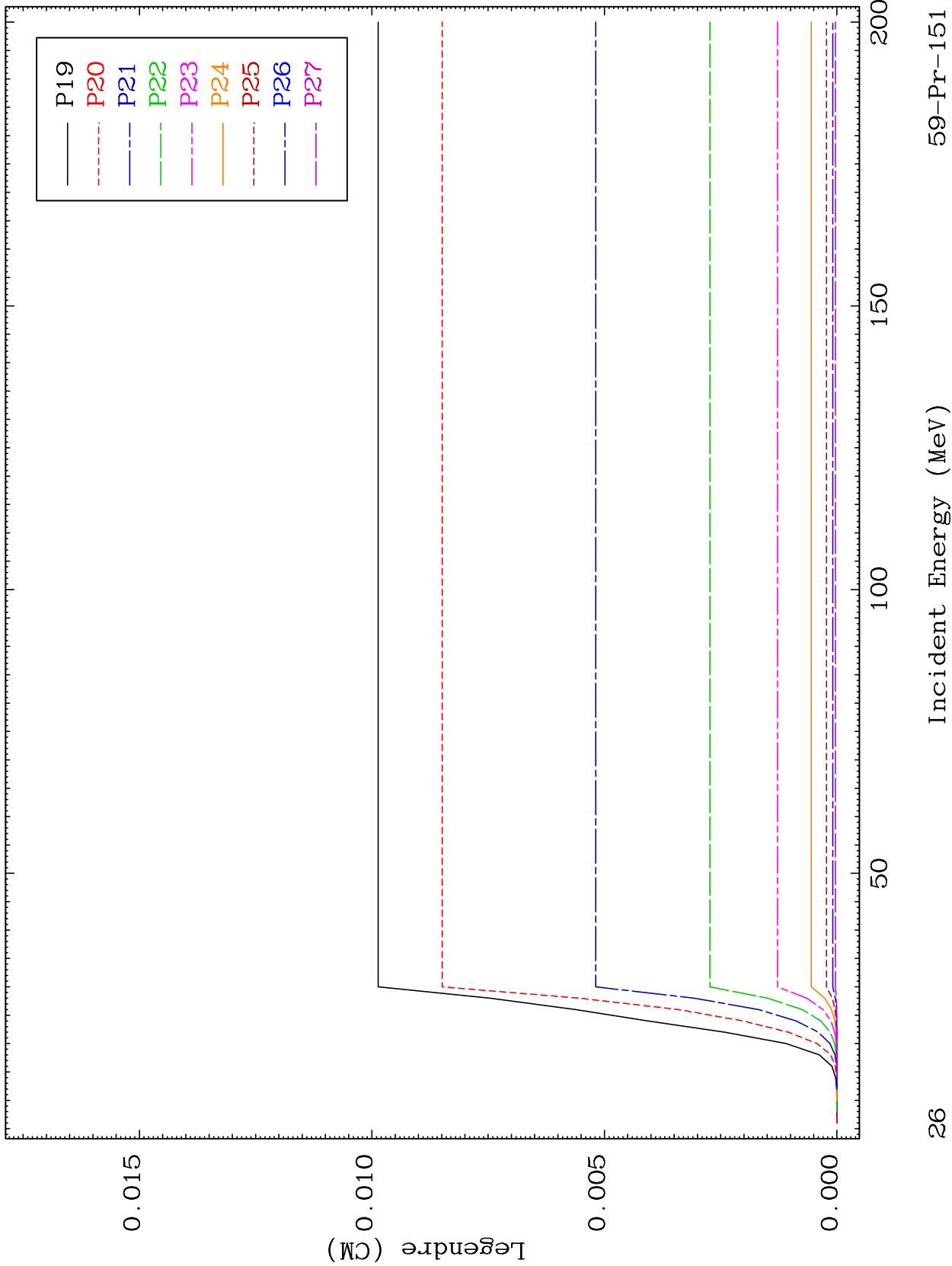
38.93 keV (n,n') Level
Legendre Coefficients

59-Pr-151



24

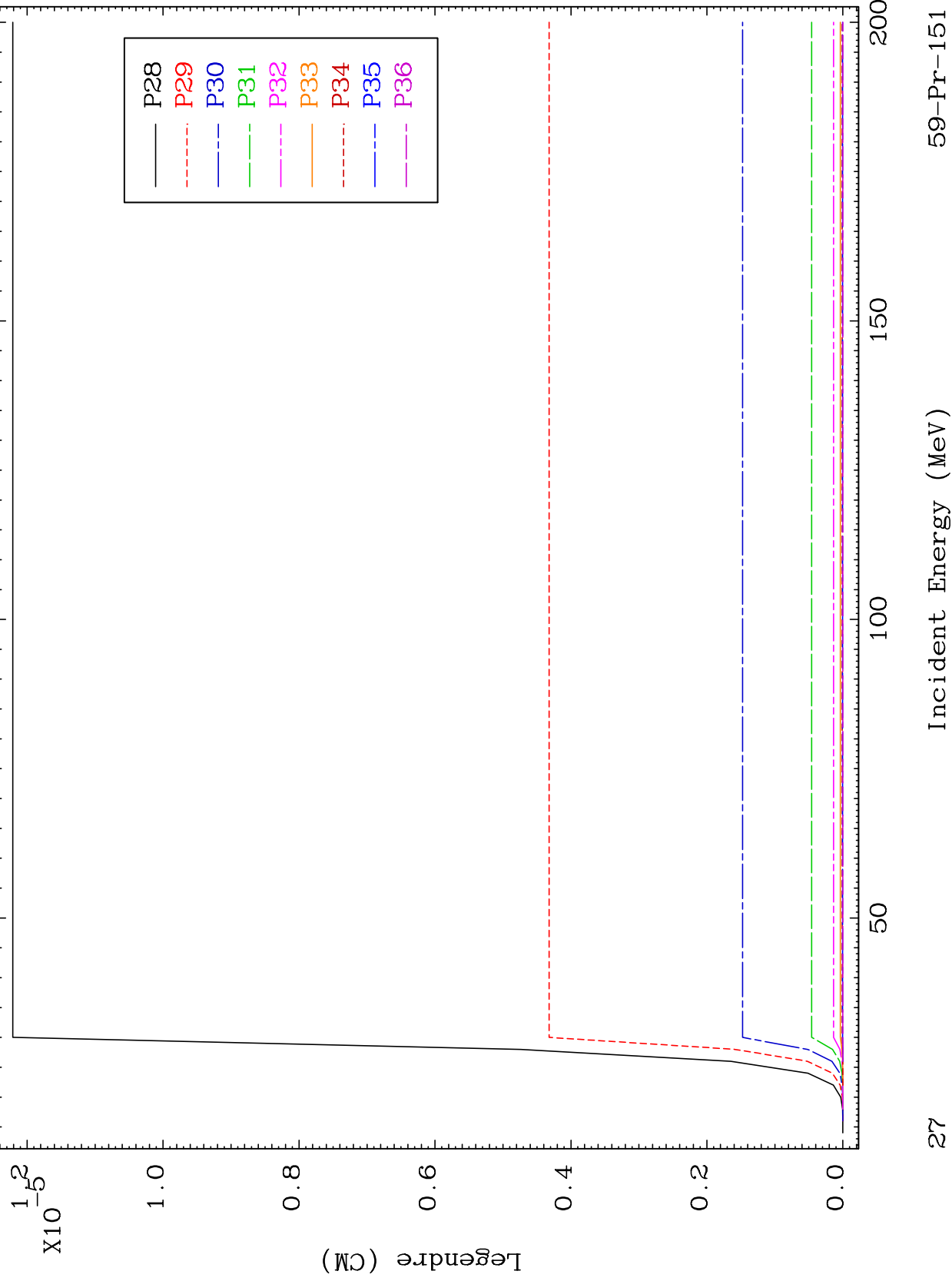




MAT 5955

38.93 keV (n,n') Level
Legendre Coefficients

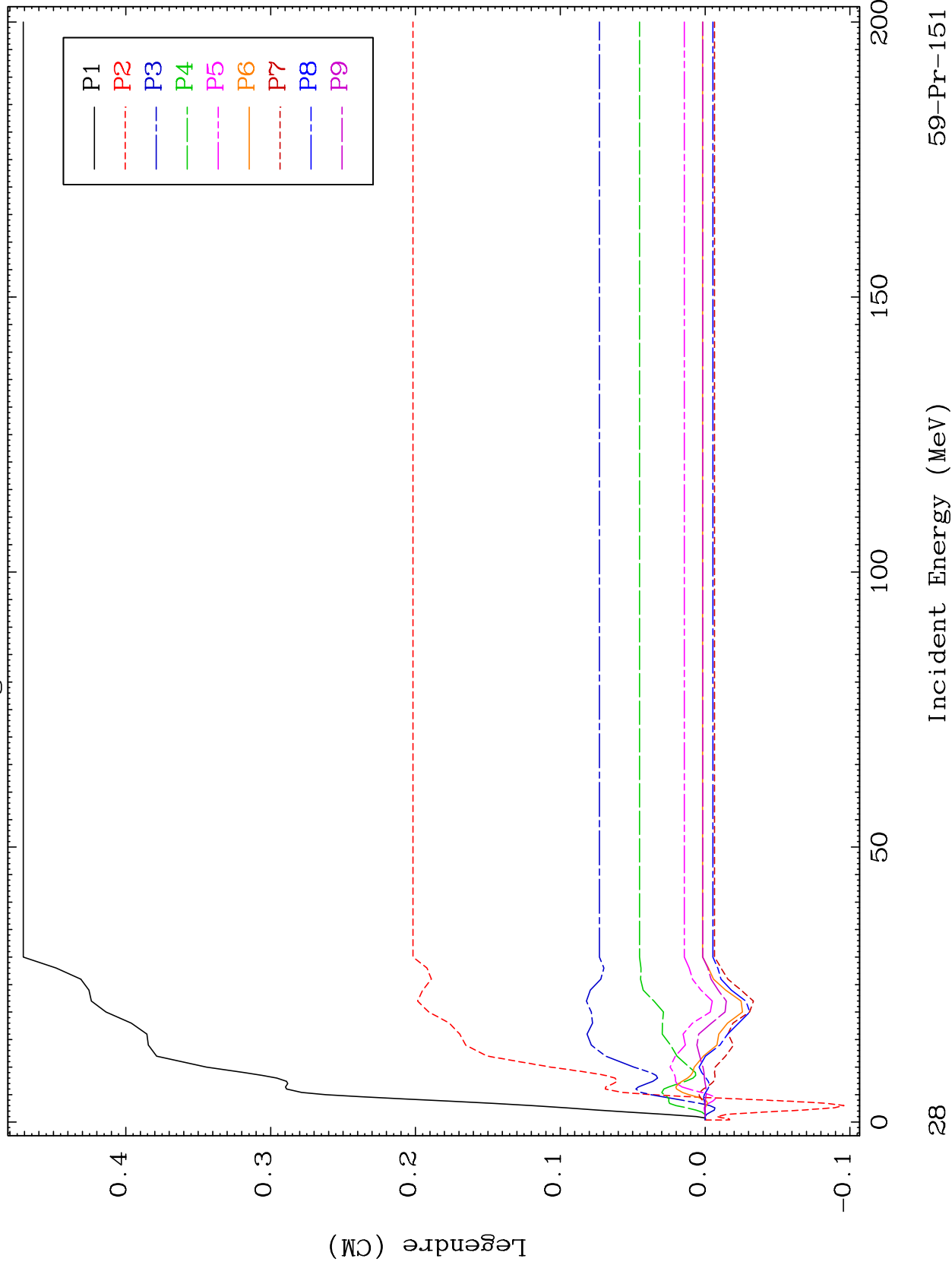
59-Pr-151



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362.1 keV (n,n') Level
Legendre Coefficients

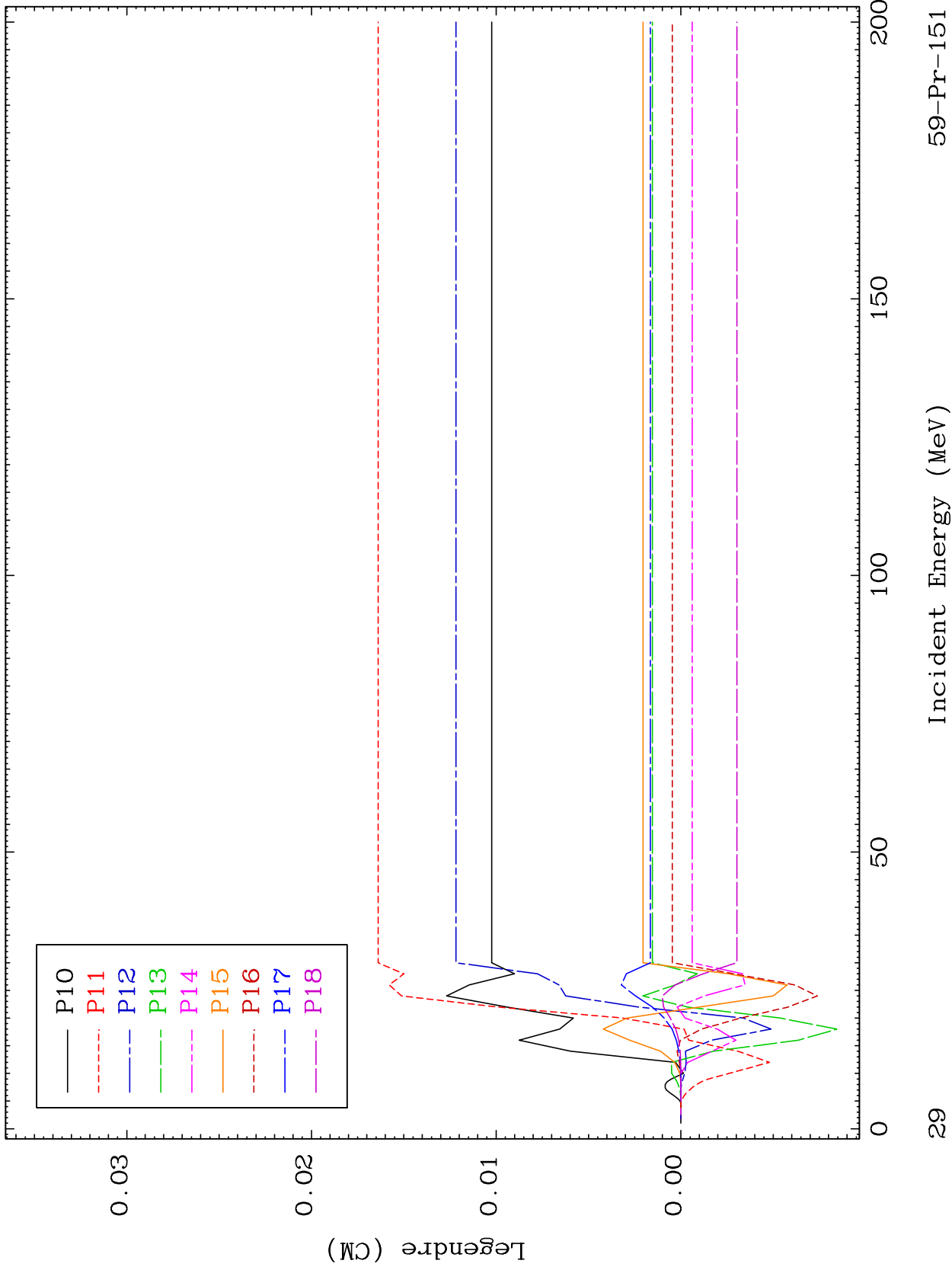
59-Pr-151



59-Pr-151

Incident Energy (MeV)

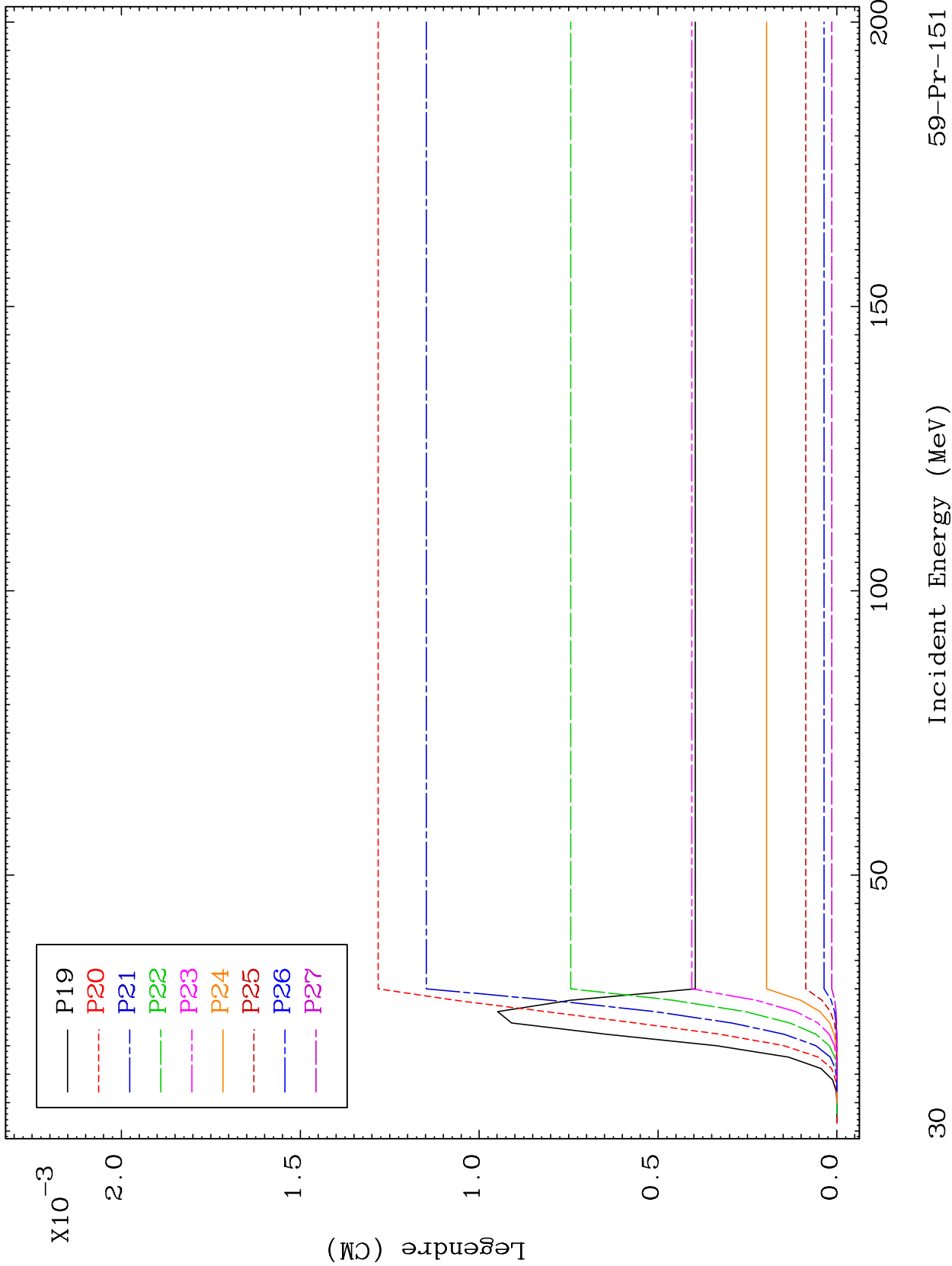
28



MAT 5955

362.1 keV (n,n') Level
Legendre Coefficients

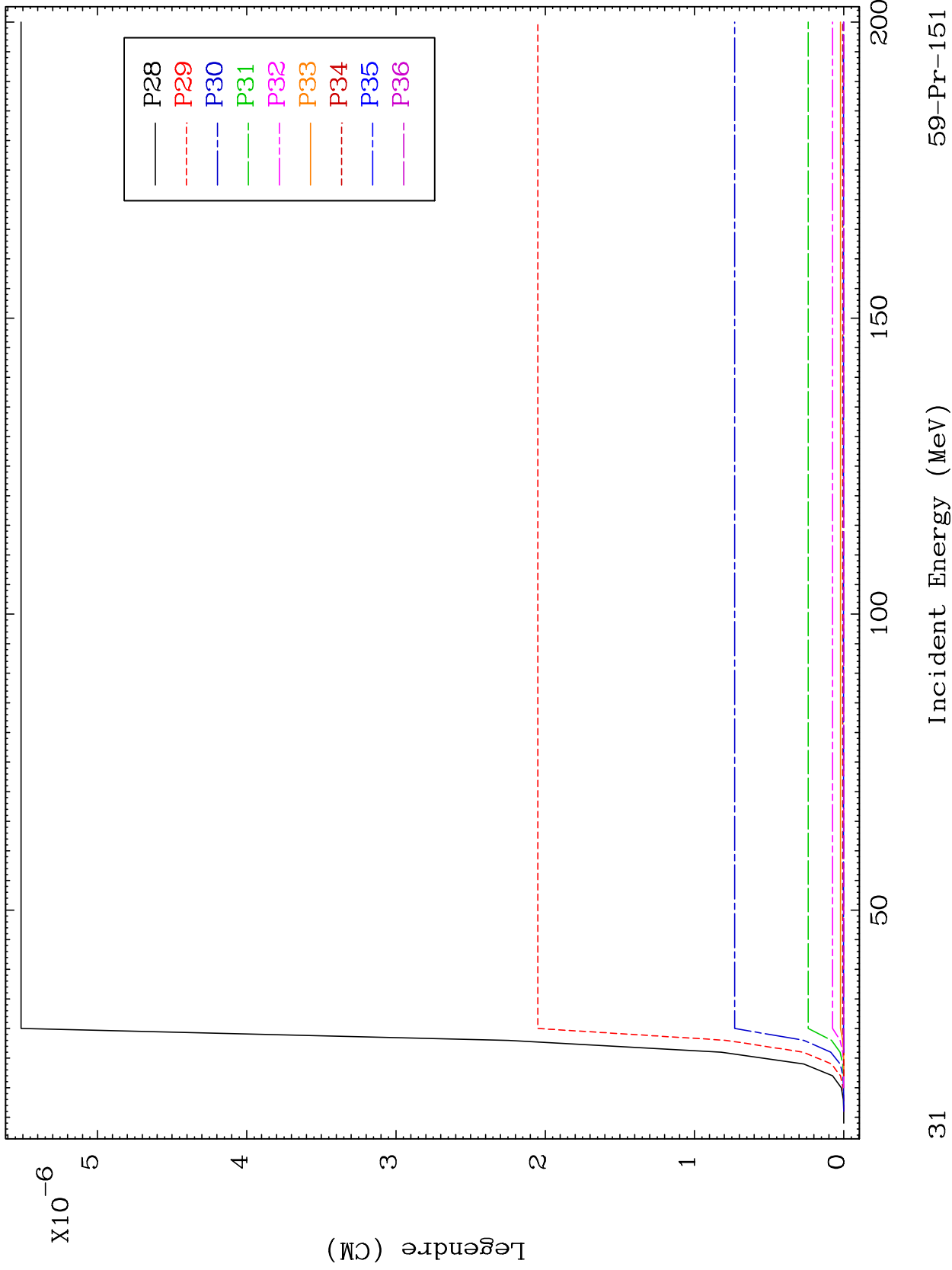
59-Pr-151



MAT 5955

362.1 keV (n,n') Level
Legendre Coefficients

59-Pr-151

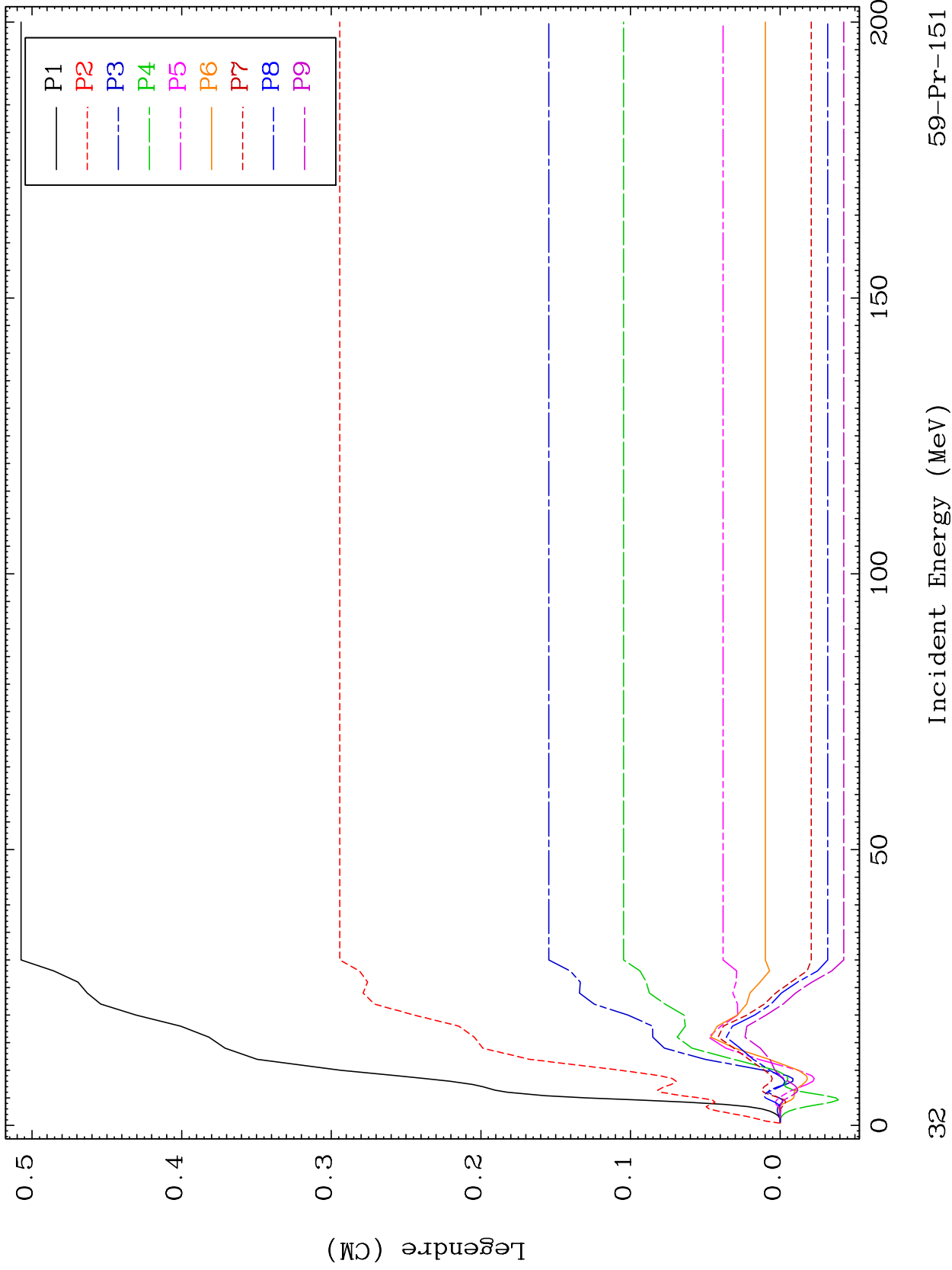


31

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402.6 keV (n, n') Level
Legendre Coefficients

59-Pr-151



32

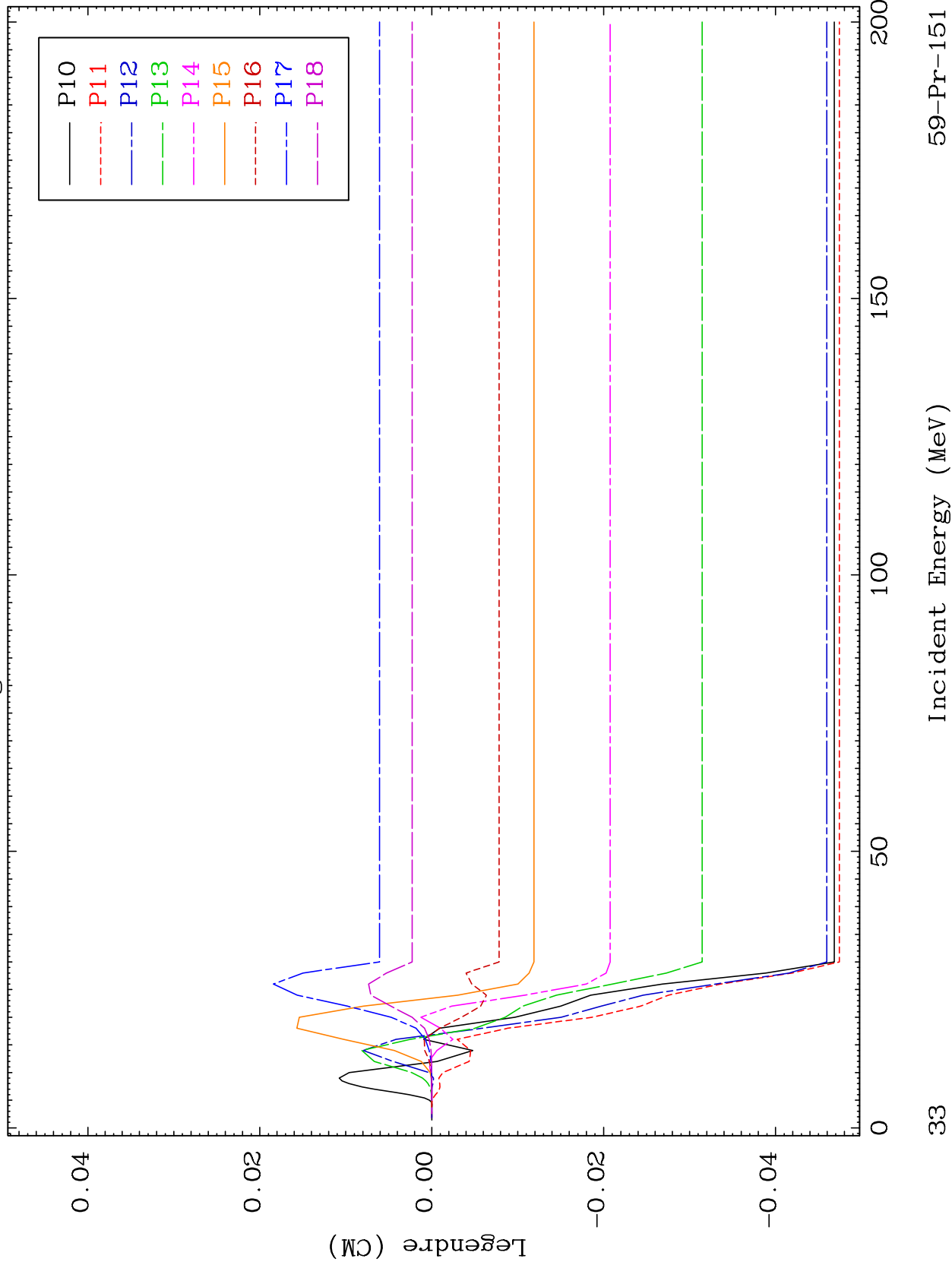
Incident Energy (MeV)

59-Pr-151

MAT 5955

402.6 keV (n,n') Level
Legendre Coefficients

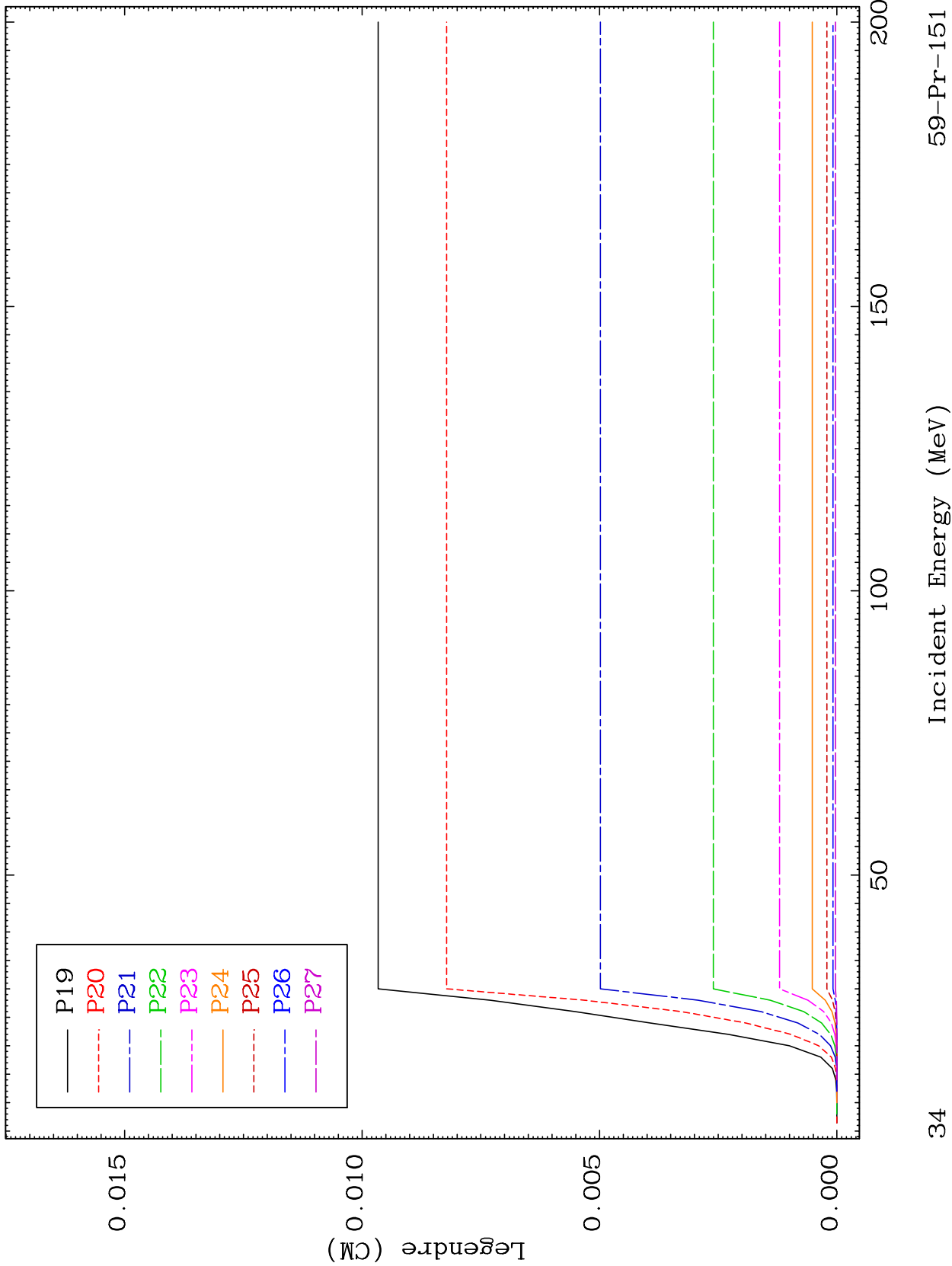
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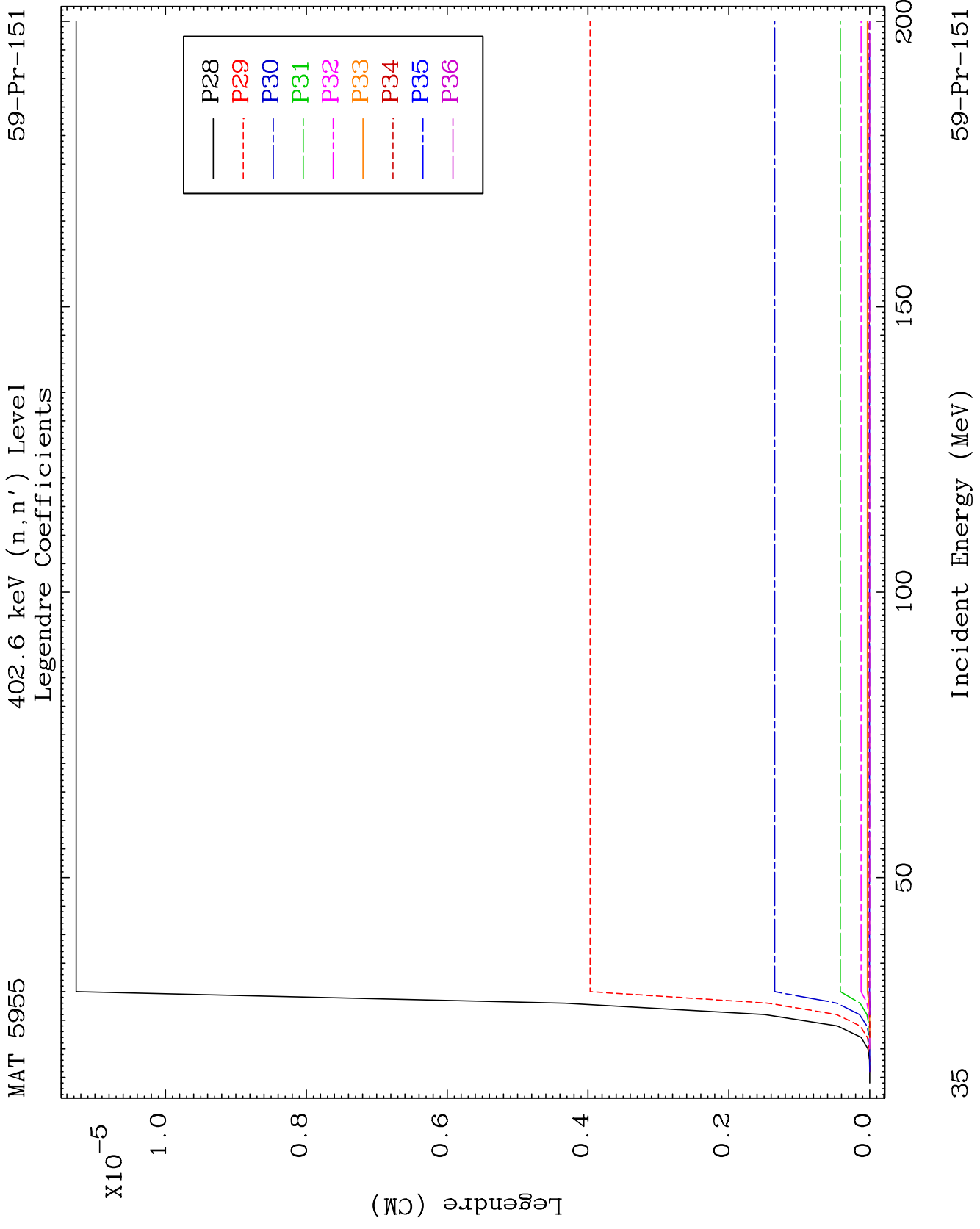


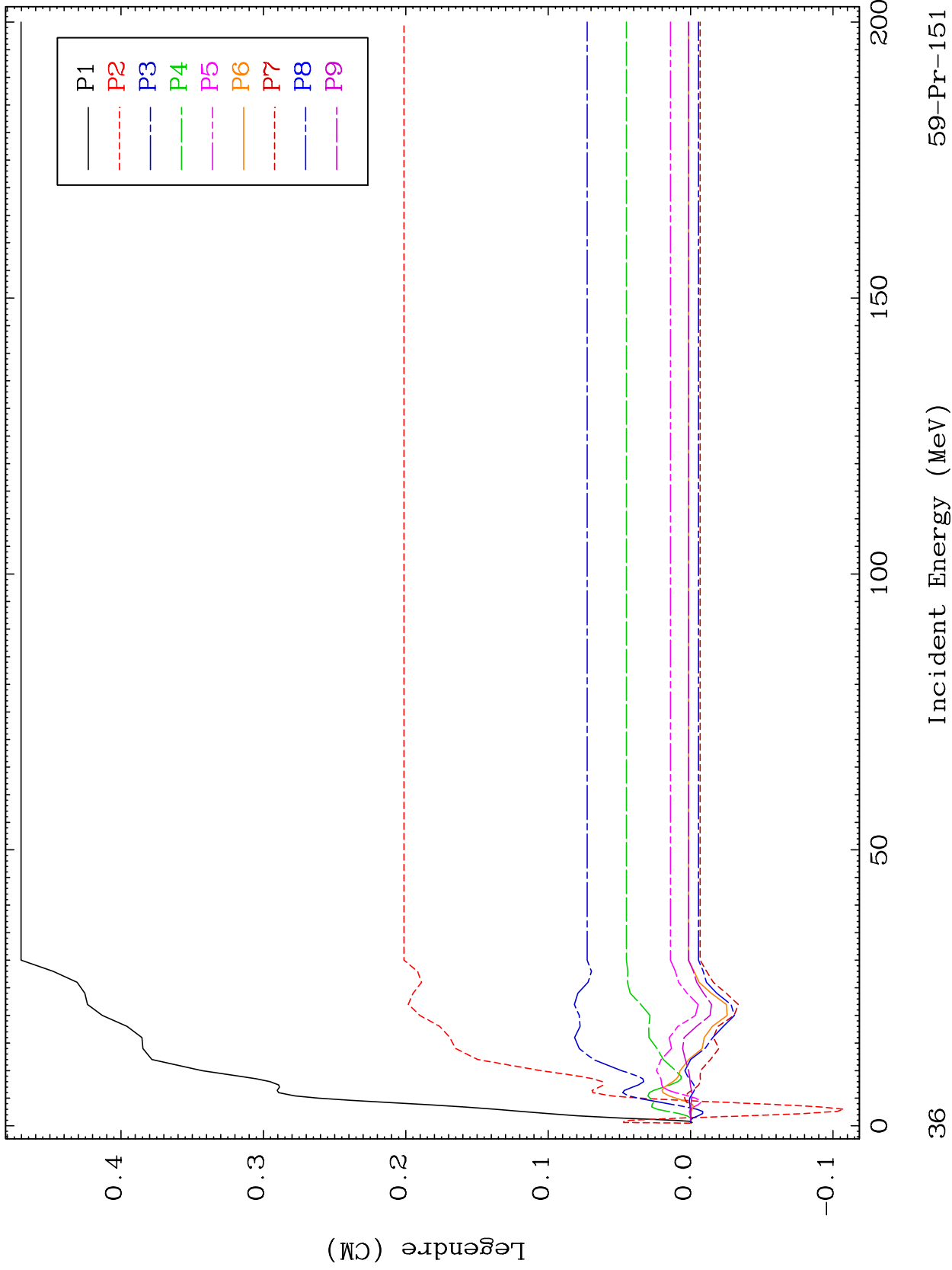
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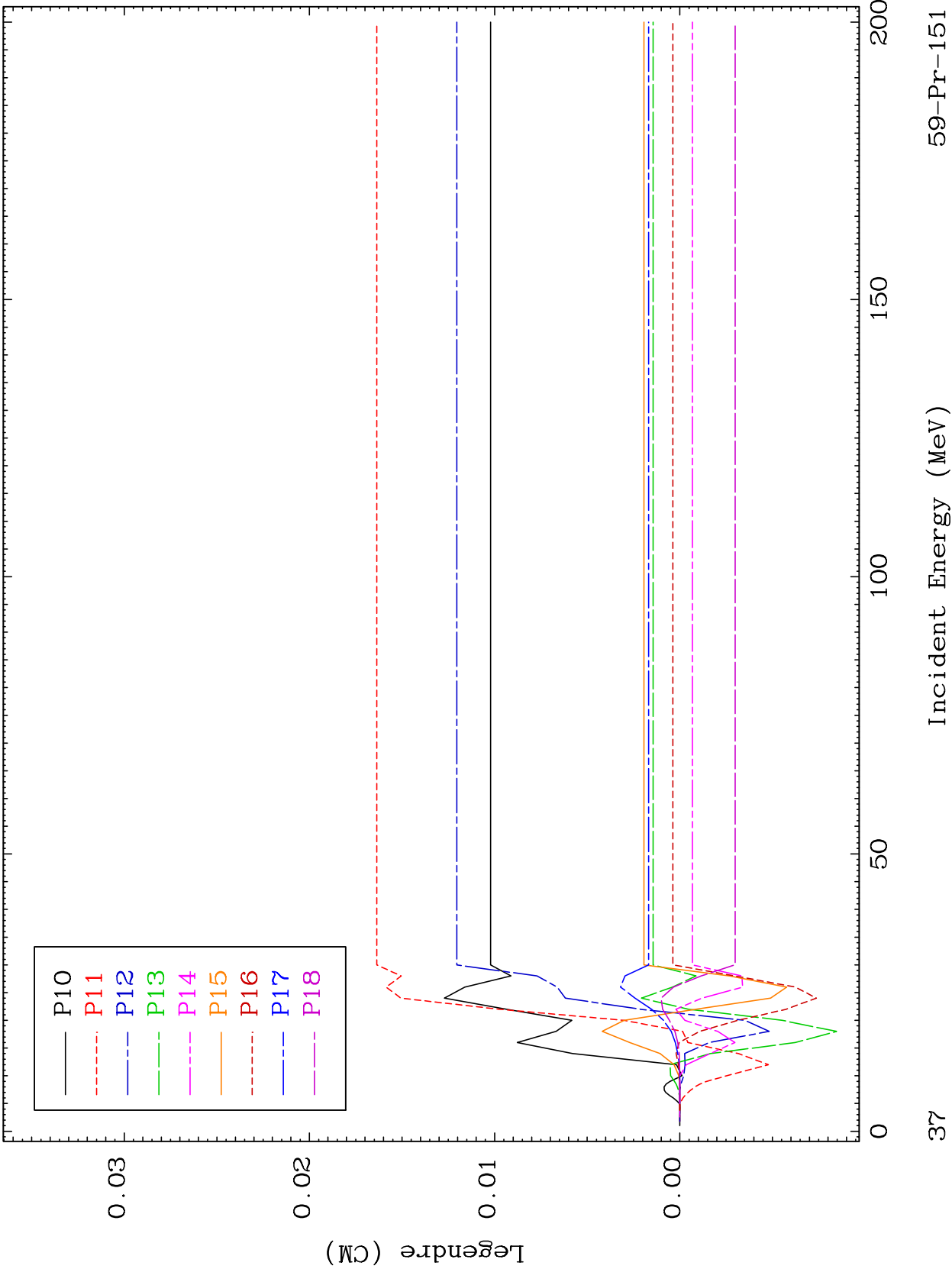
Incident Energy (MeV)

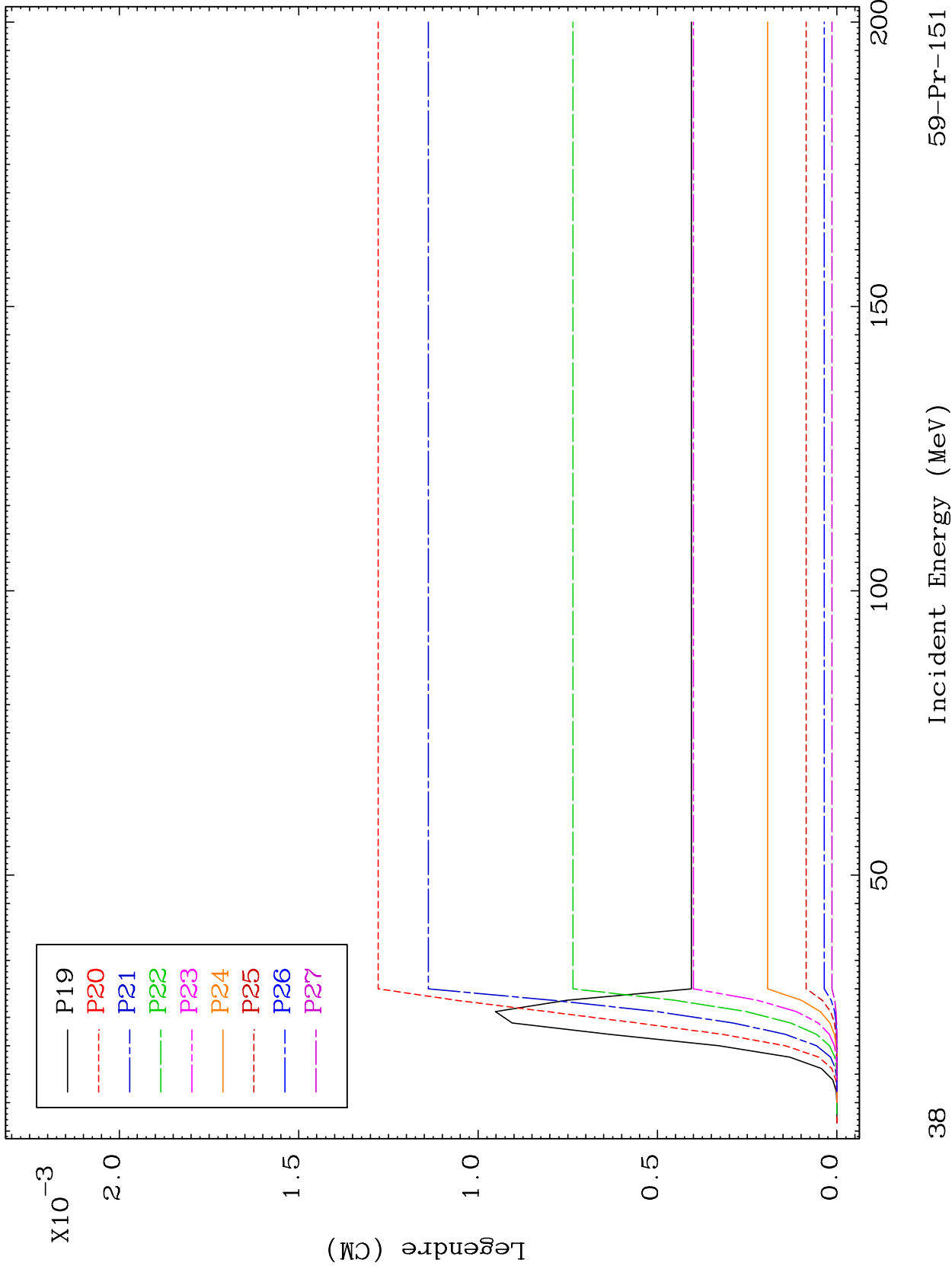
59-Pr-151







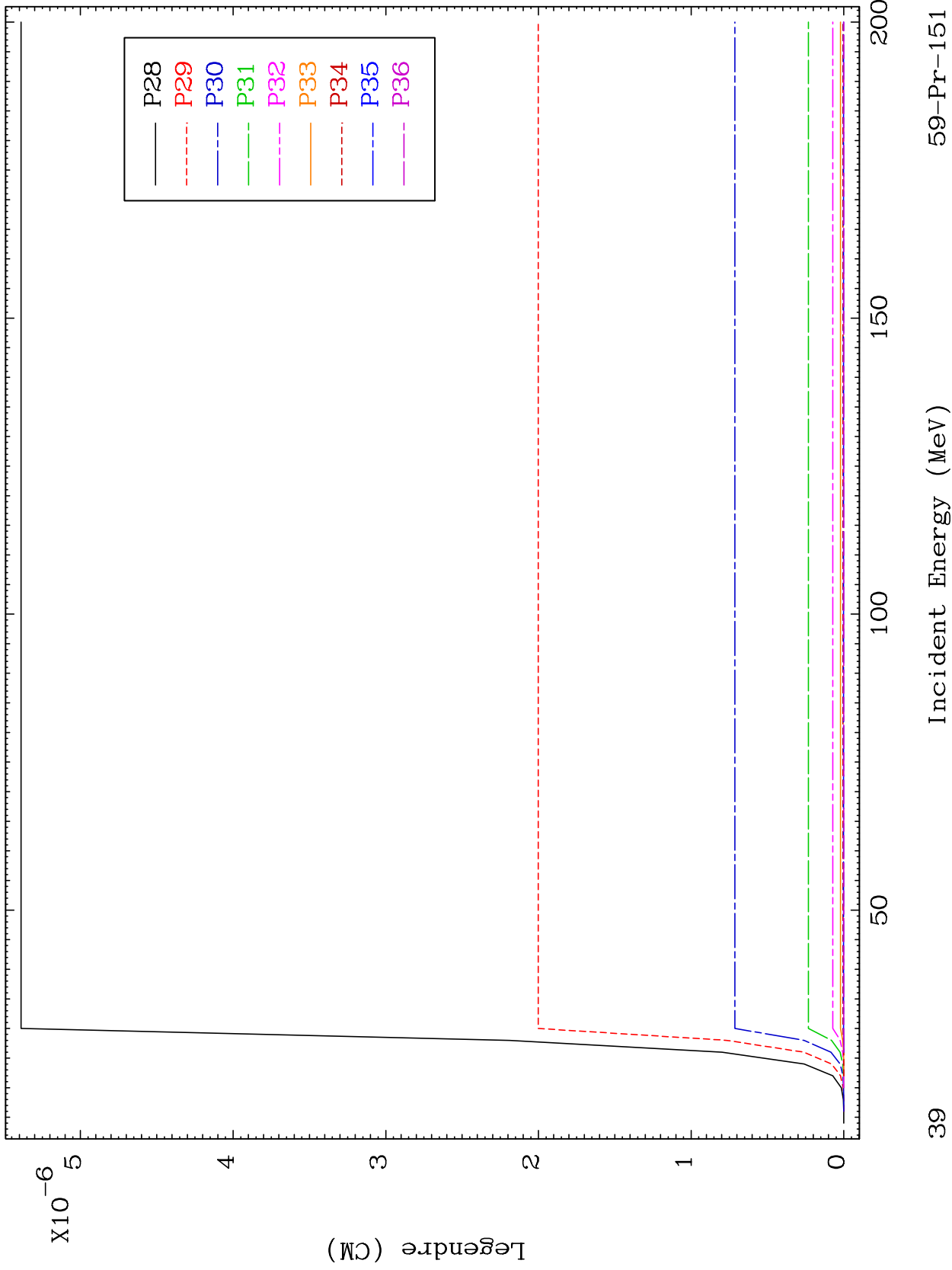




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467.7 keV (n,n') Level
Legendre Coefficients

59-Pr-151



39

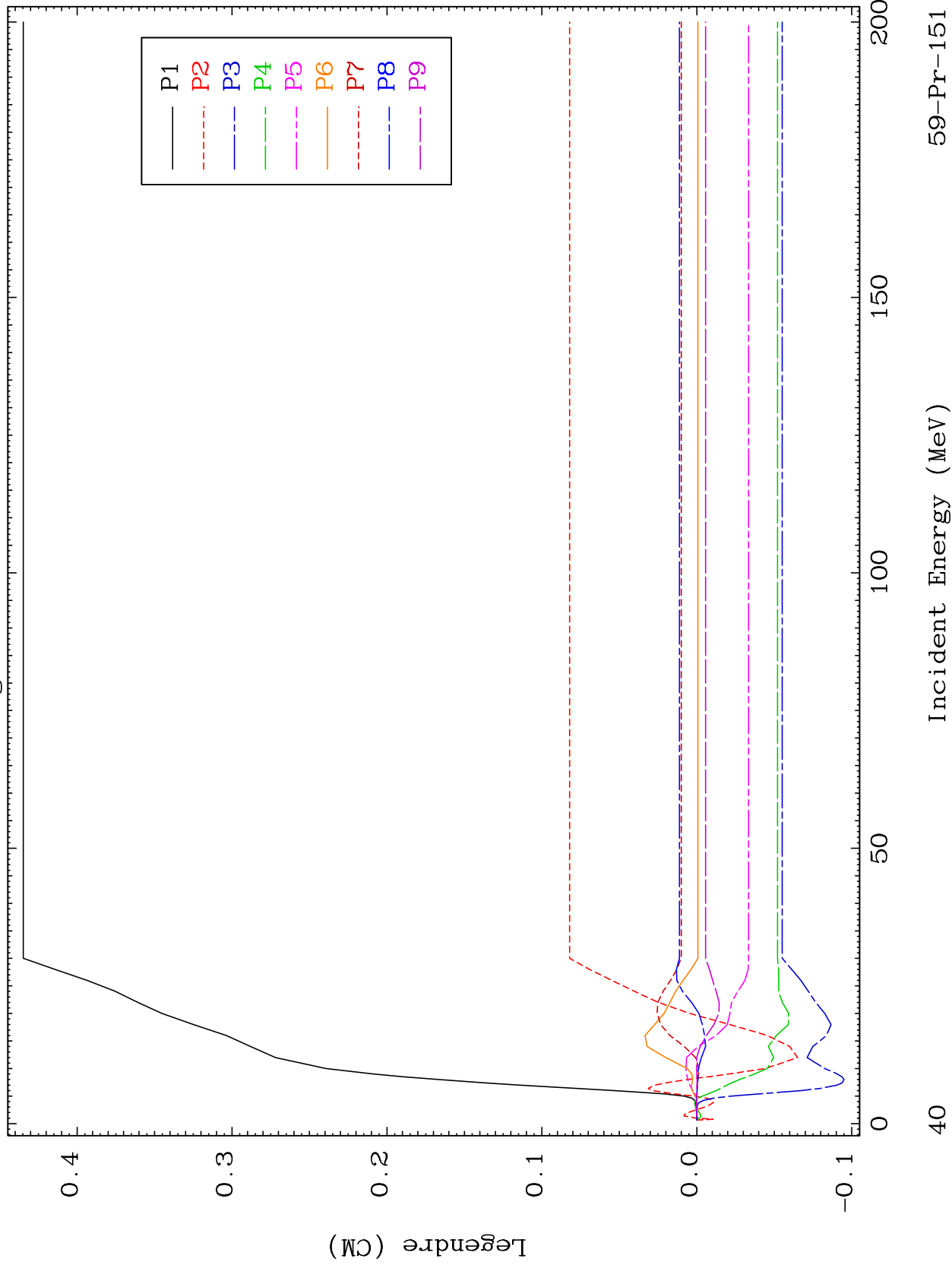
Incident Energy (MeV)

59-Pr-151

MAT 5955

636.8 keV (n, n') Level
Legendre Coefficients

59-Pr-151

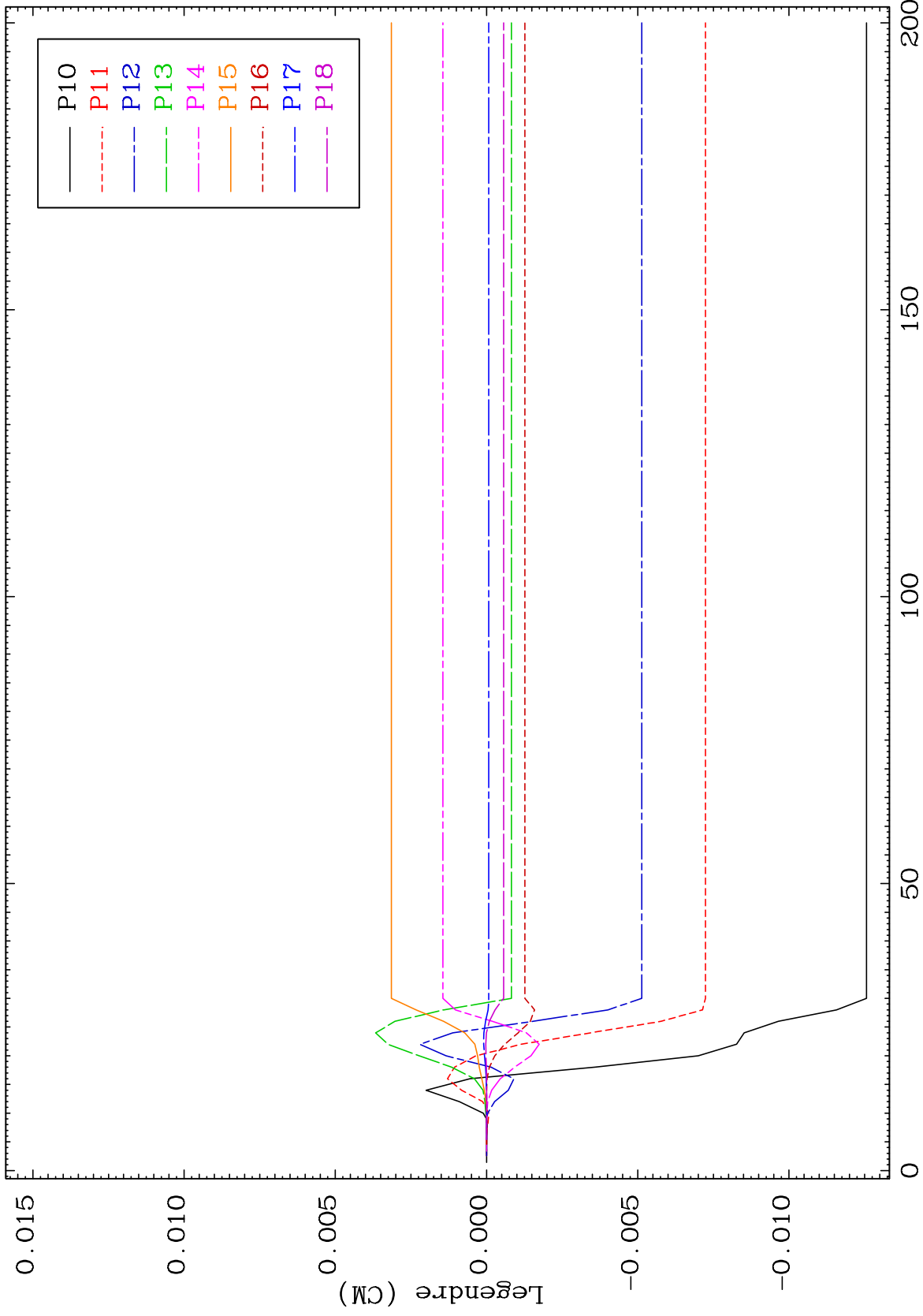


59-Pr-151

MAT 5955

636.8 keV (n,n') Level
Legendre Coefficients

59-Pr-151



41

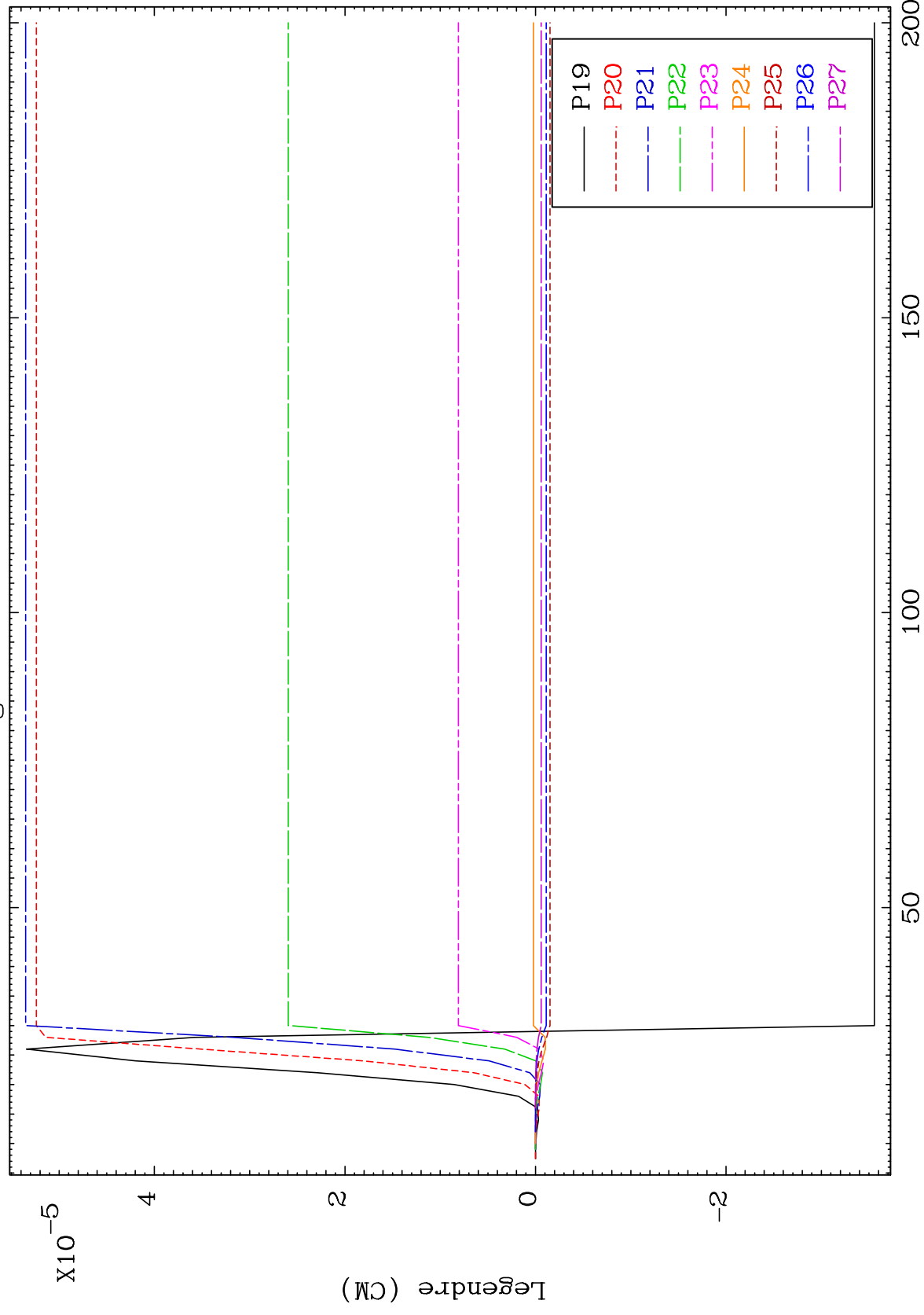
Incident Energy (MeV)

59-Pr-151

MAT 5955

636.8 keV (n,n') Level
Legendre Coefficients

59-Pr-151



42

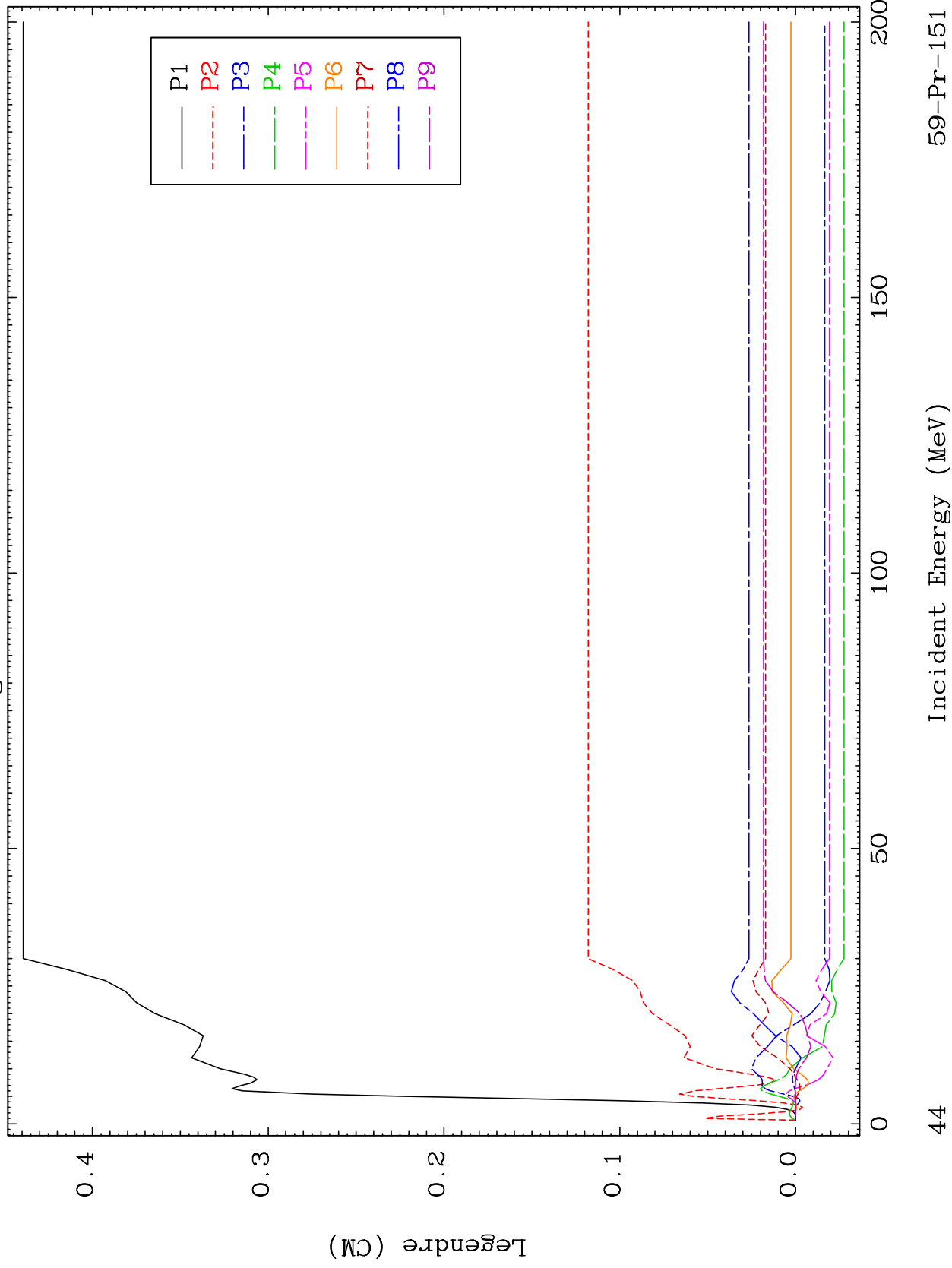
Incident Energy (MeV)

59-Pr-151

MAT 5955

679.6 keV (n,n') Level
Legendre Coefficients

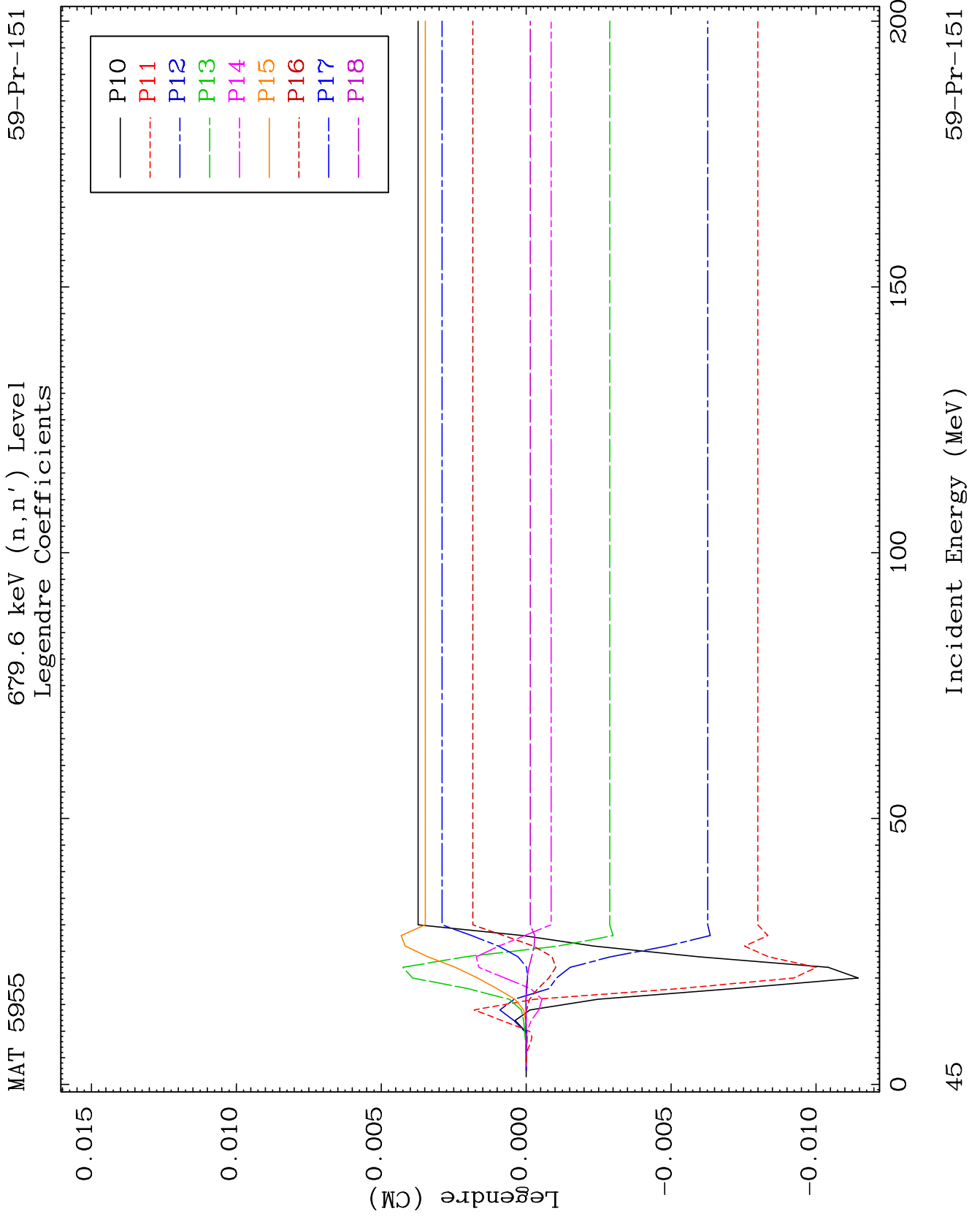
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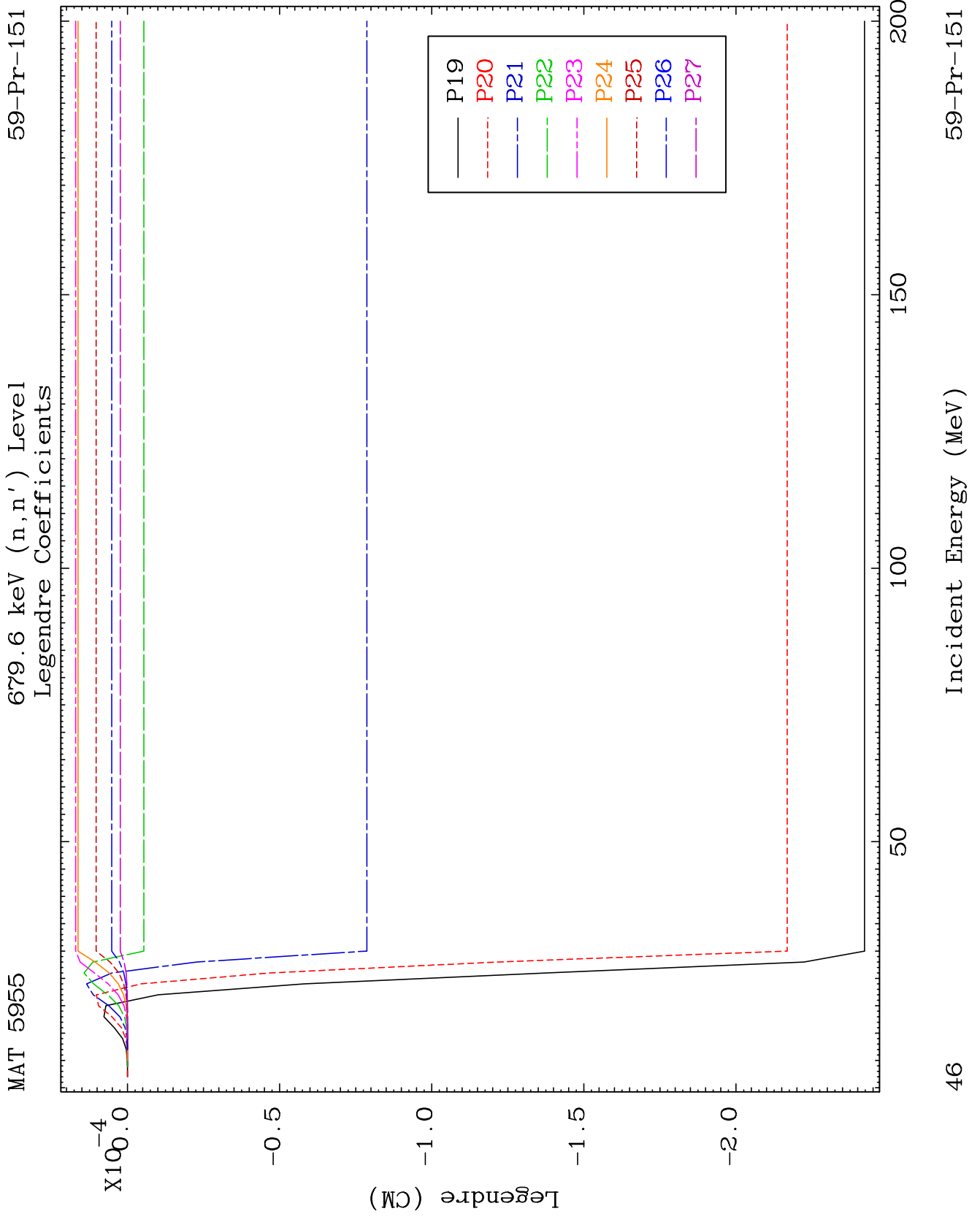


59-Pr-151

Incident Energy (MeV)

44

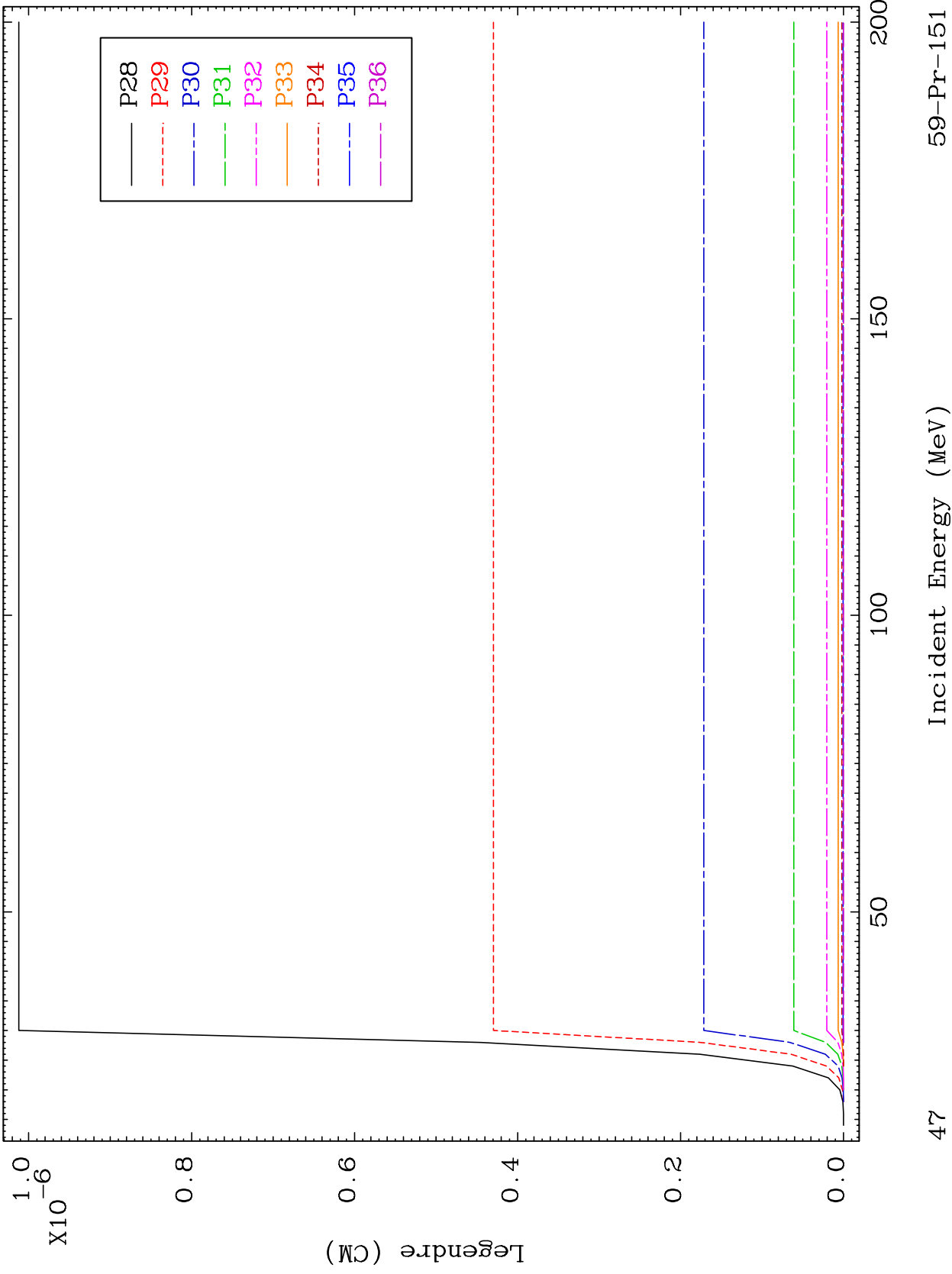




MAT 5955

679.6 keV (n,n') Level
Legendre Coefficients

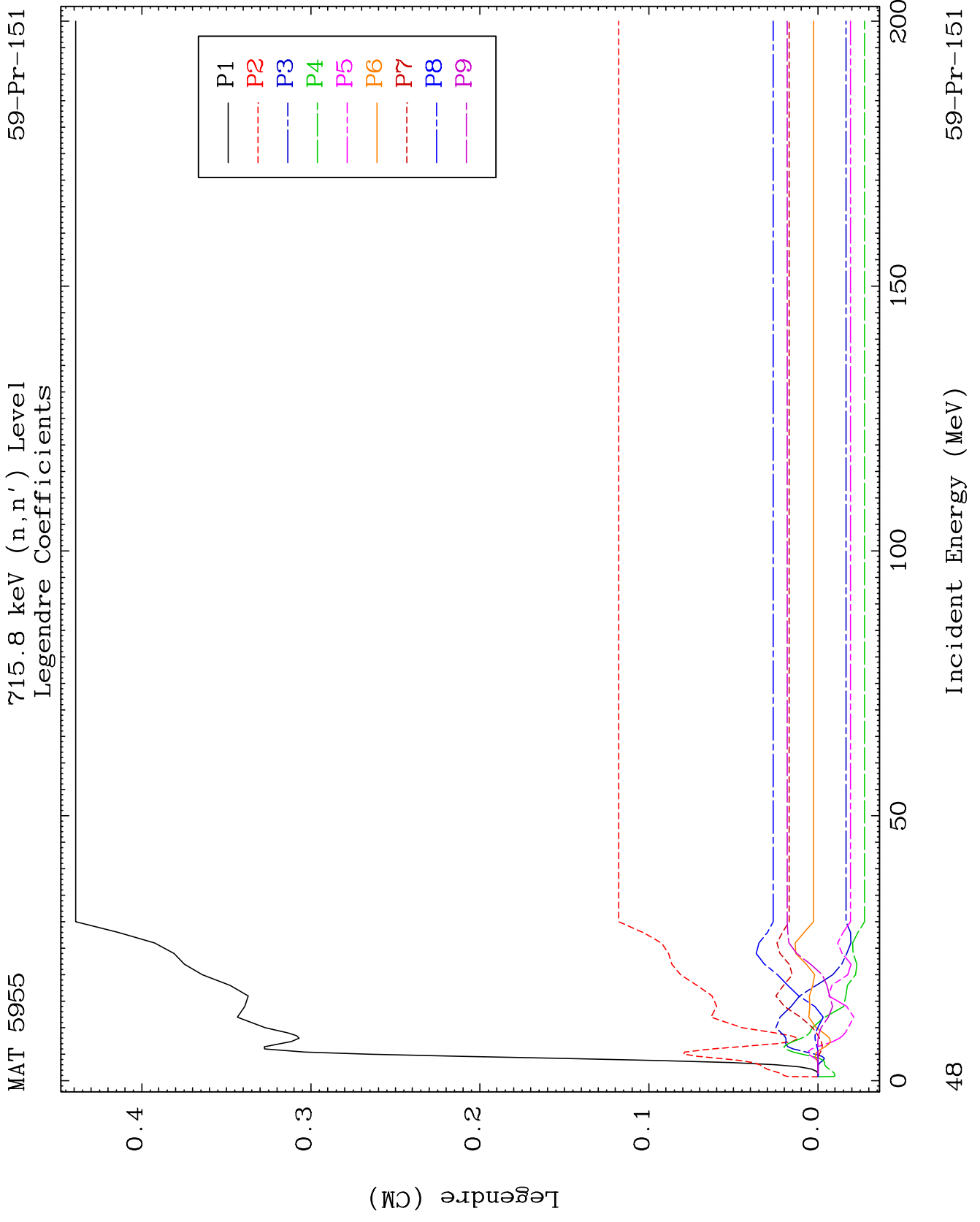
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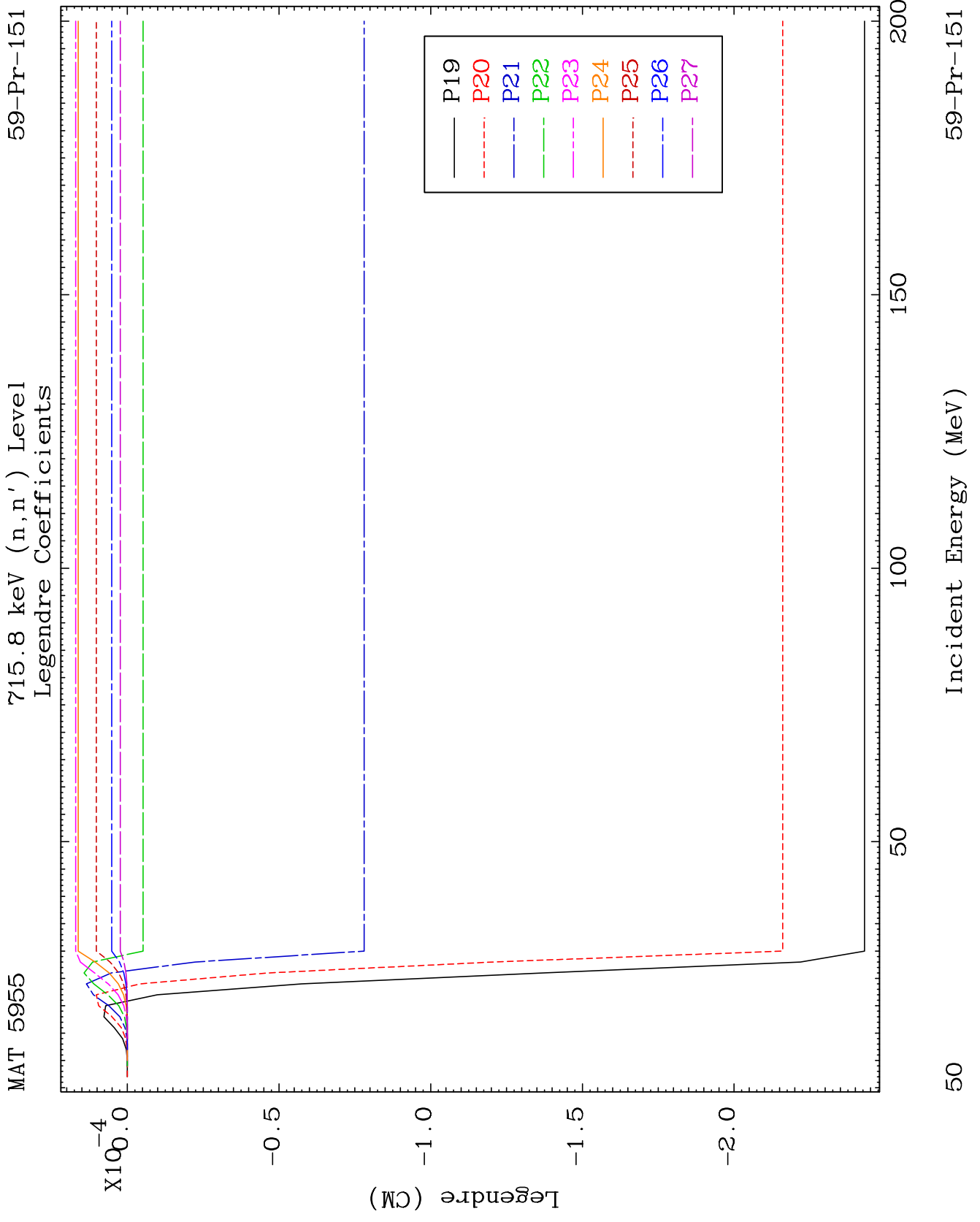


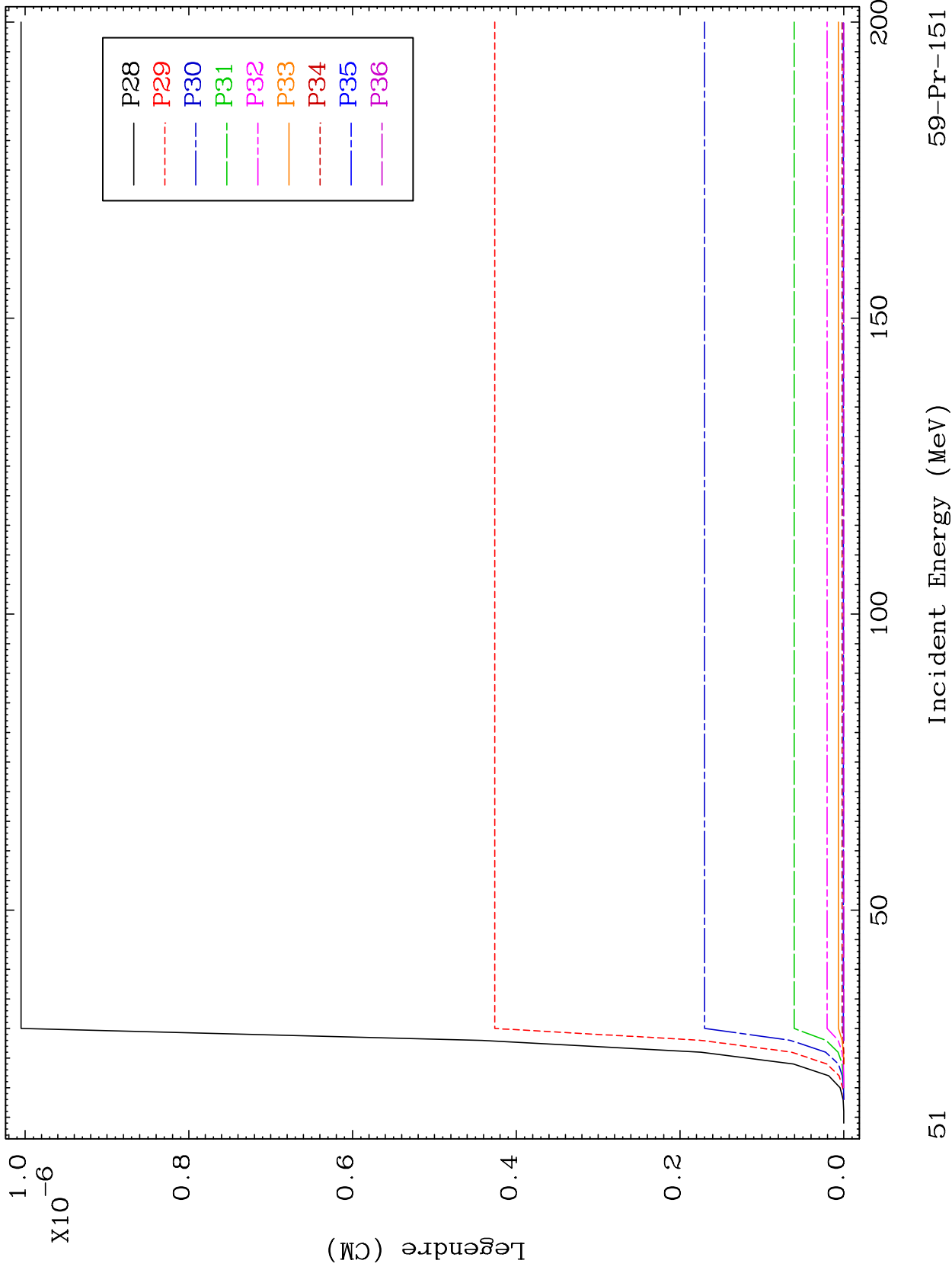
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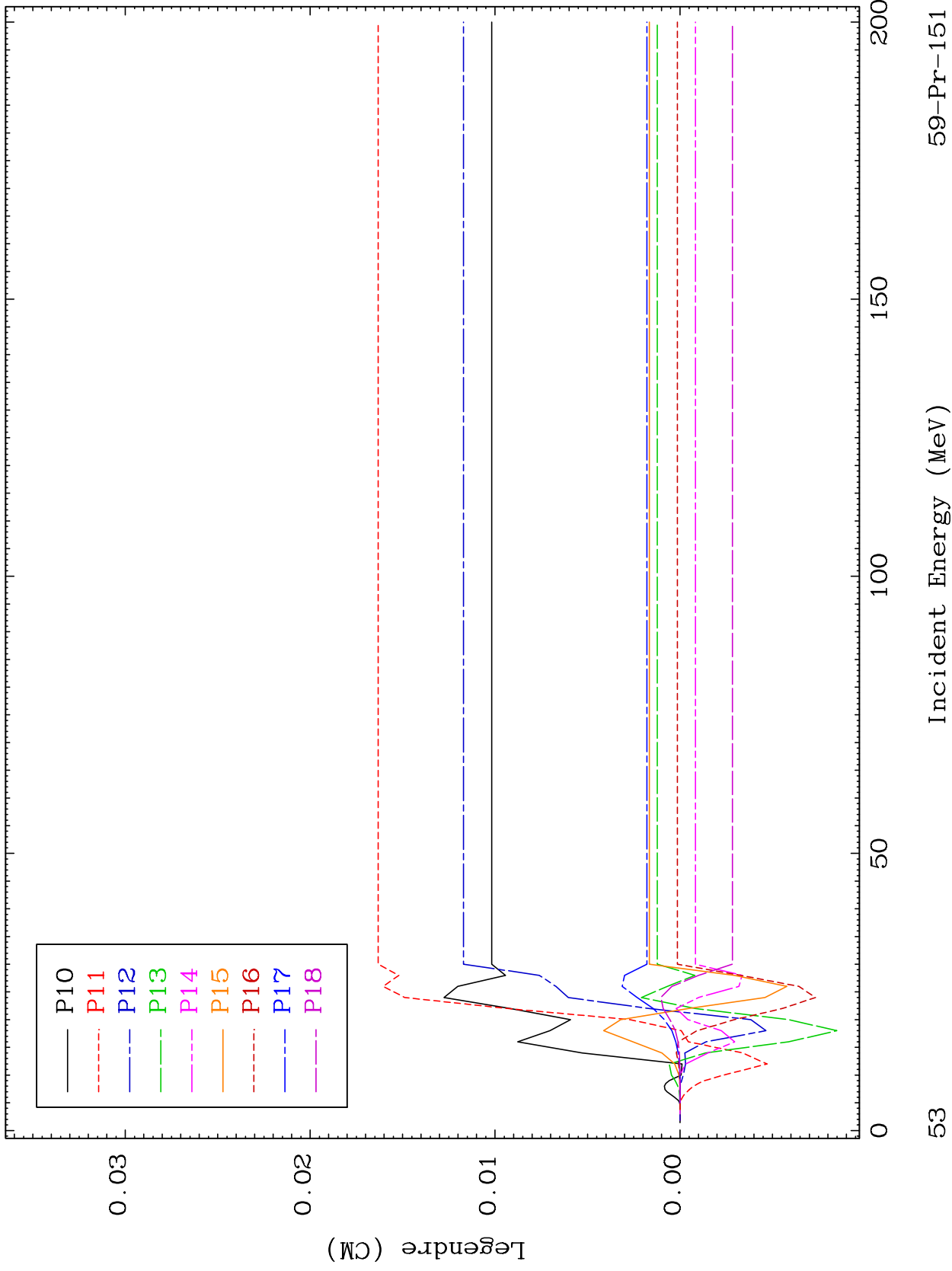
Incident Energy (MeV)

59-Pr-151





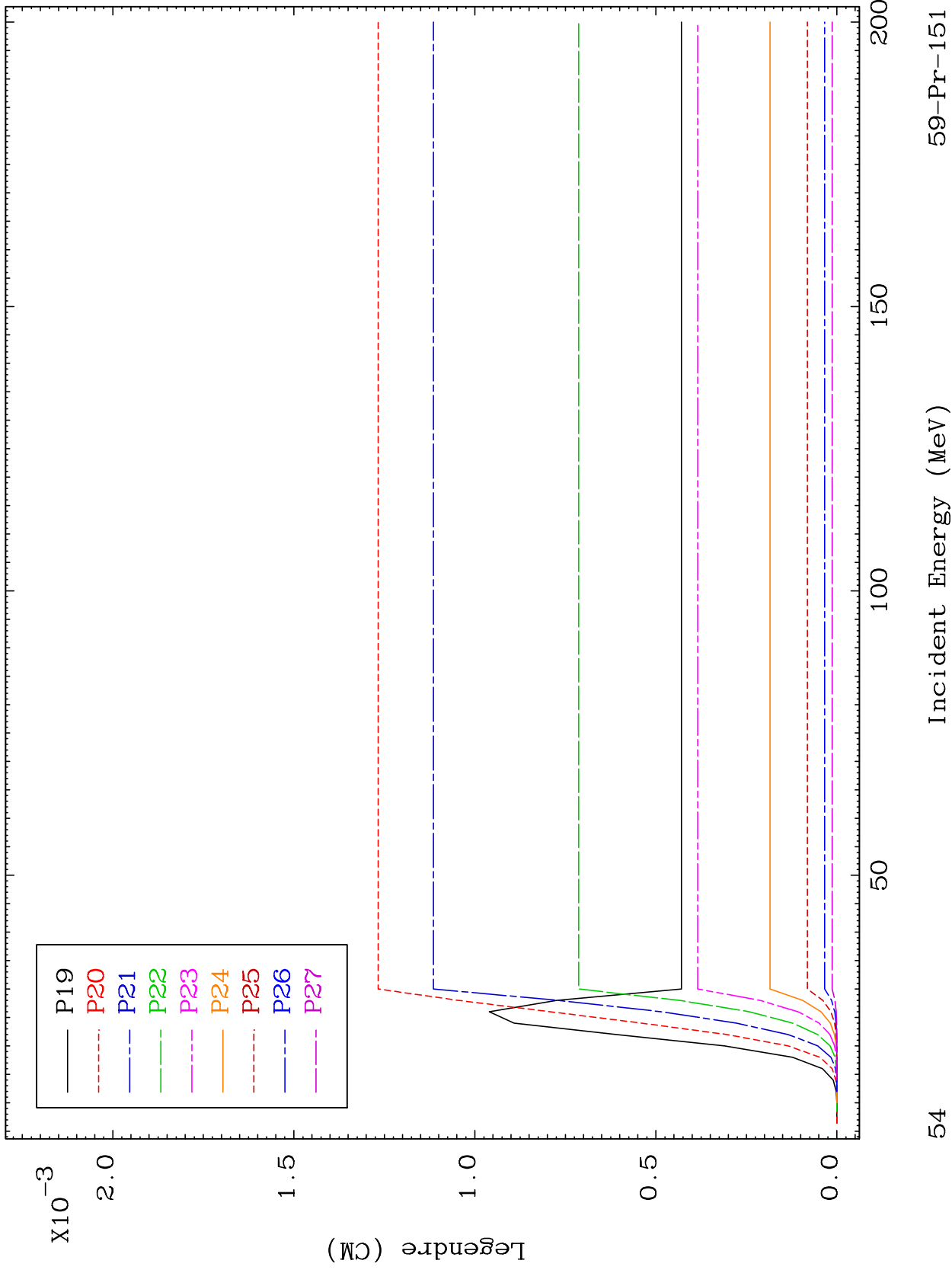




MAT 5955

750.9 keV (n,n') Level
Legendre Coefficients

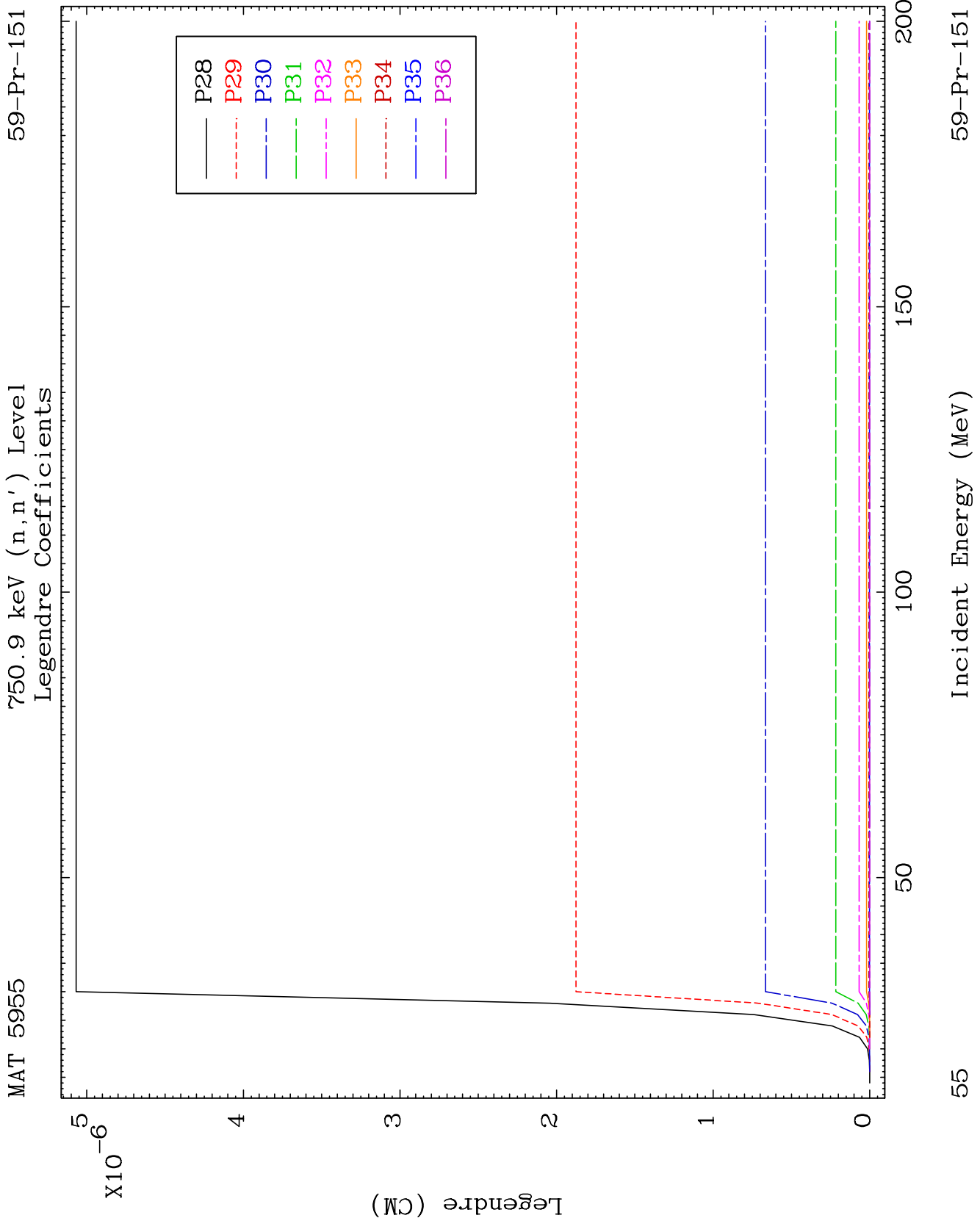
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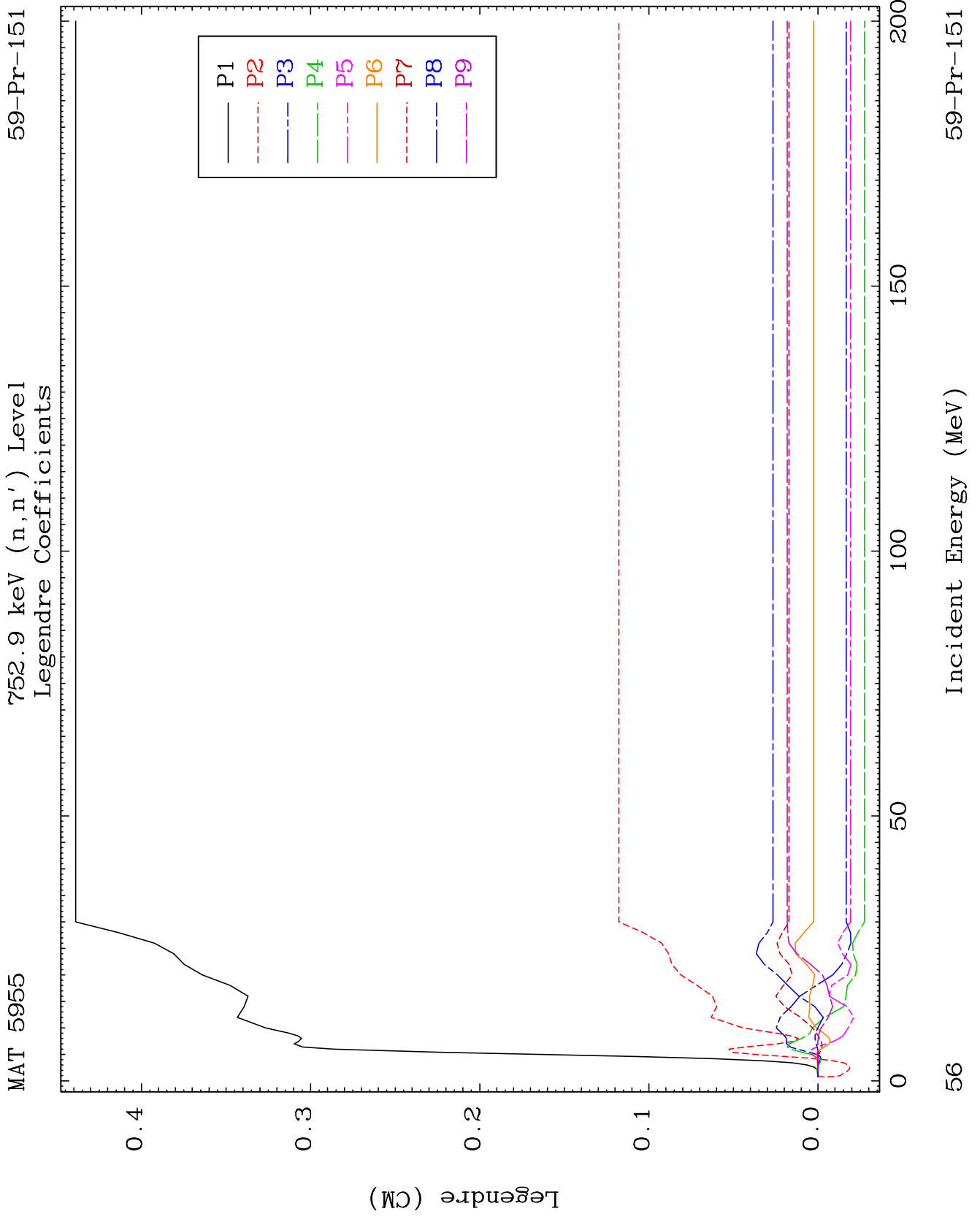


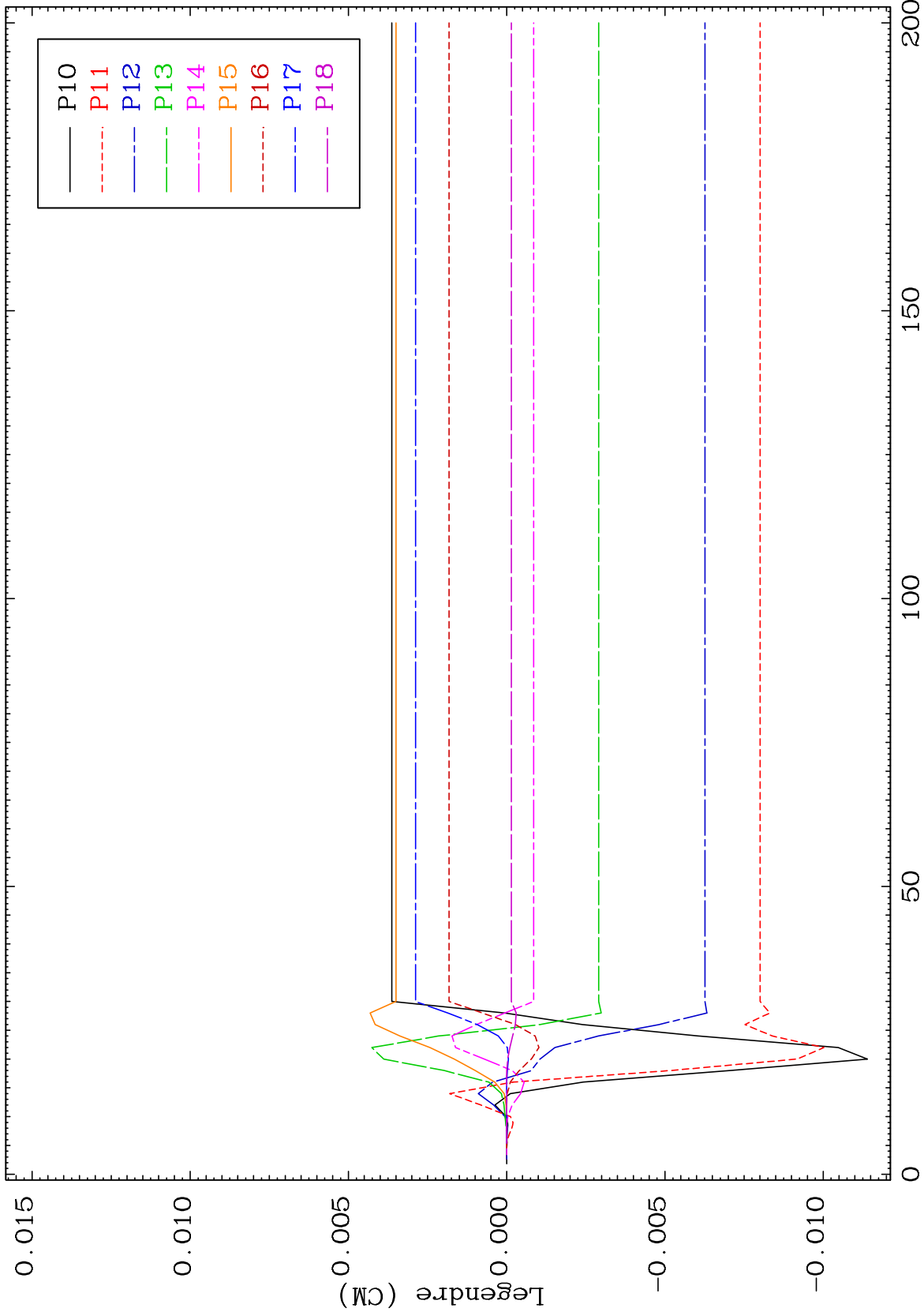
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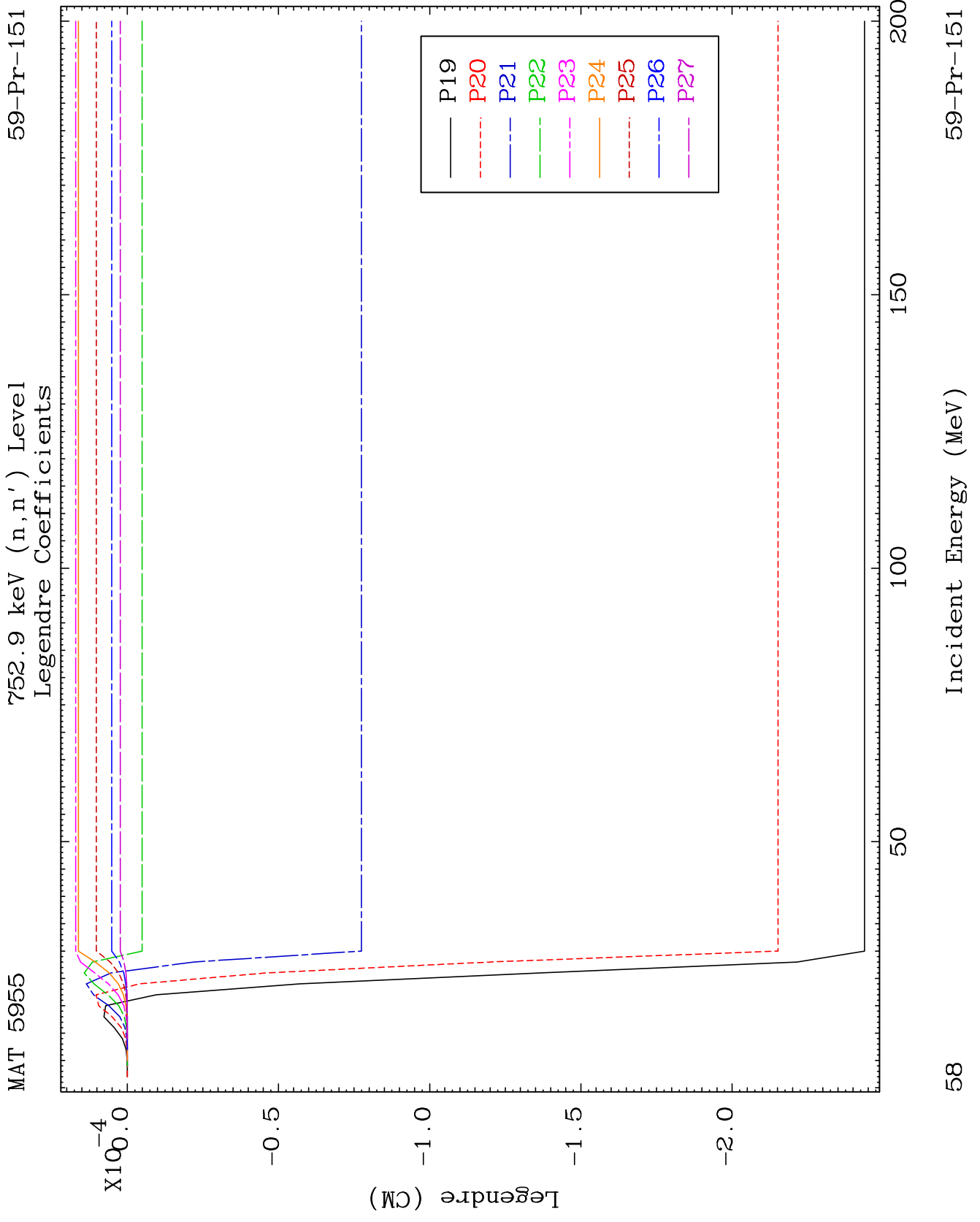
Incident Energy (MeV)

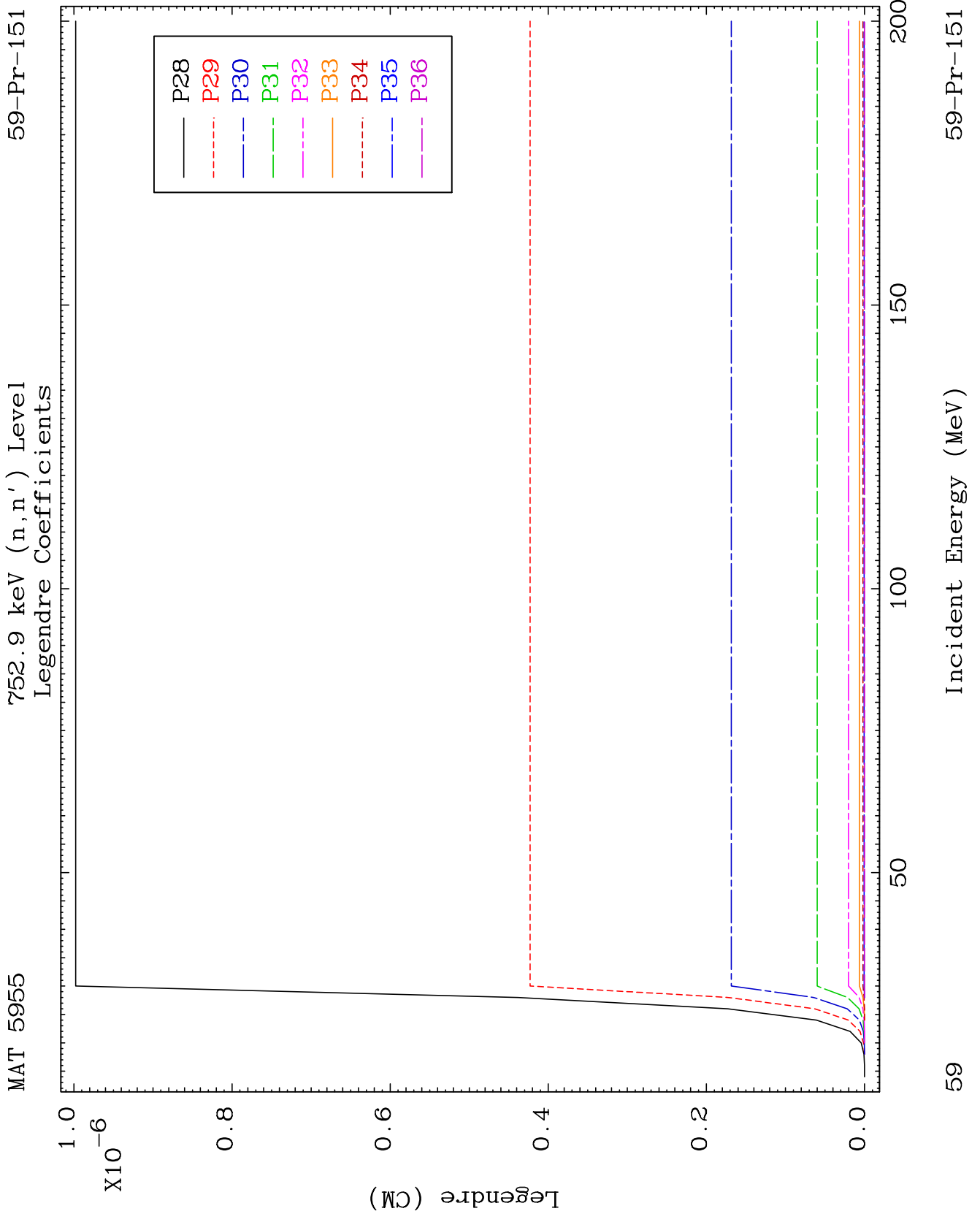
59-Pr-151







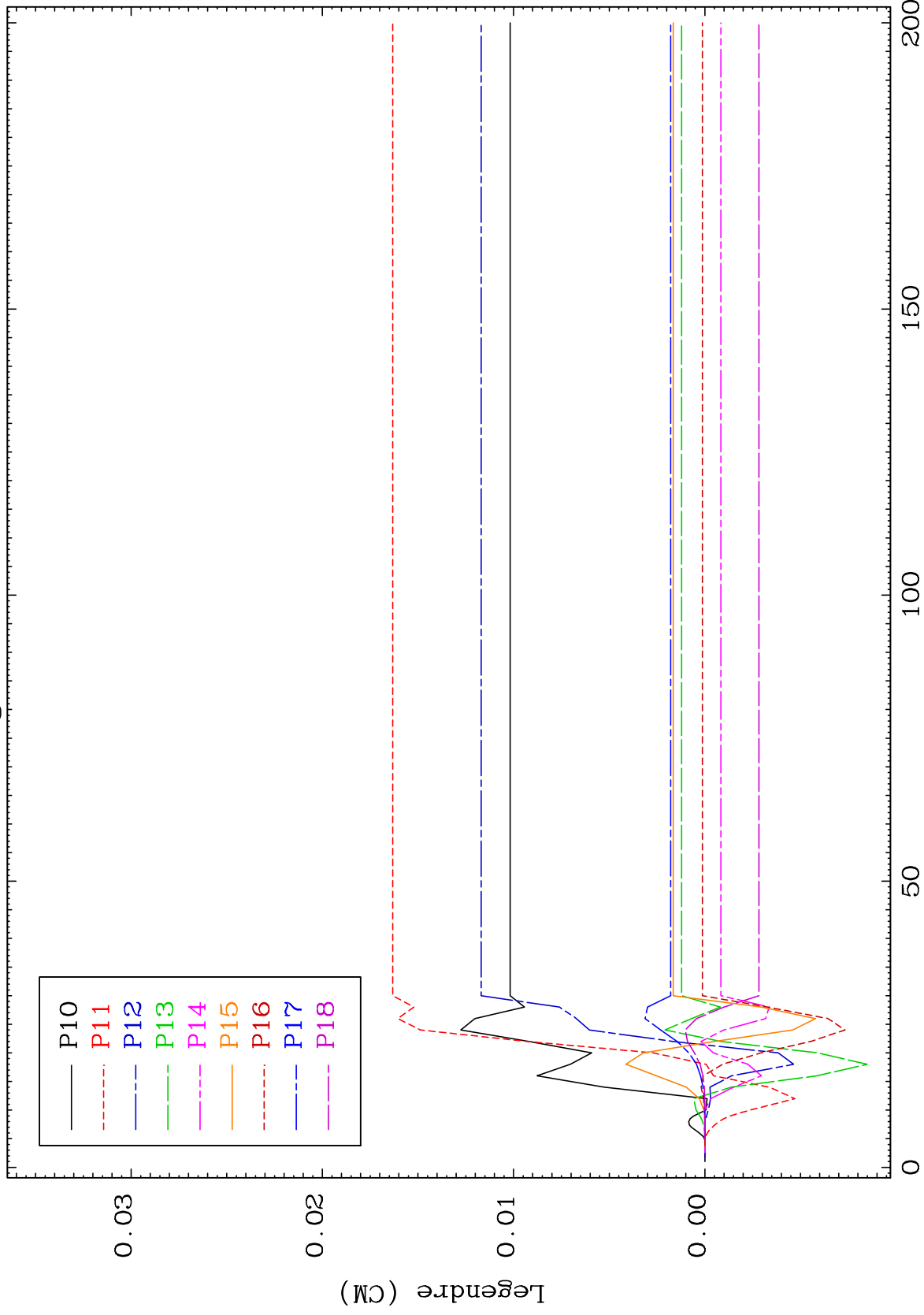




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756.8 keV (n,n') Level
Legendre Coefficients

59-Pr-151



61

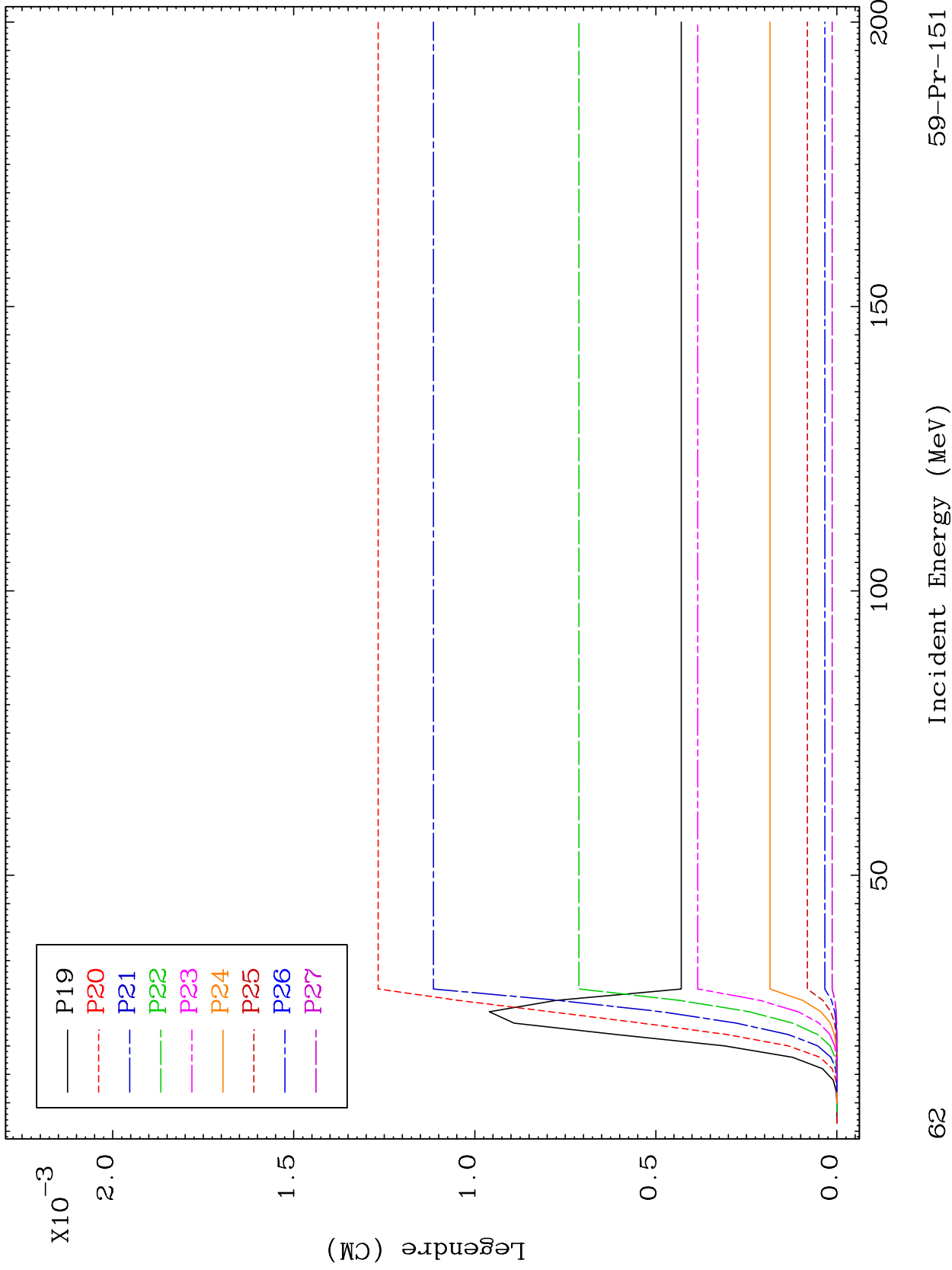
Incident Energy (MeV)

59-Pr-151

MAT 5955

756.8 keV (n,n') Level
Legendre Coefficients

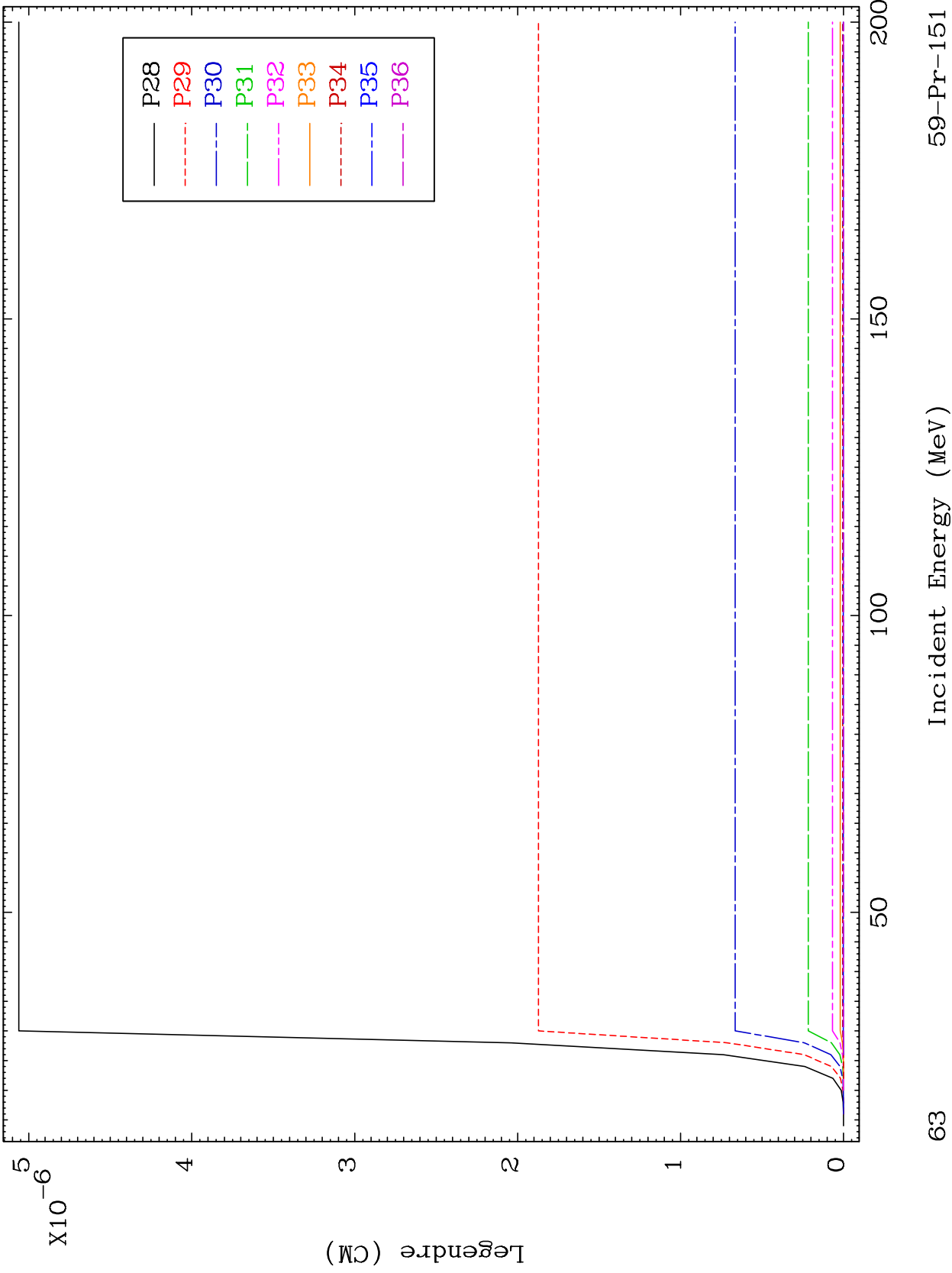
59-Pr-151



MAT 5955

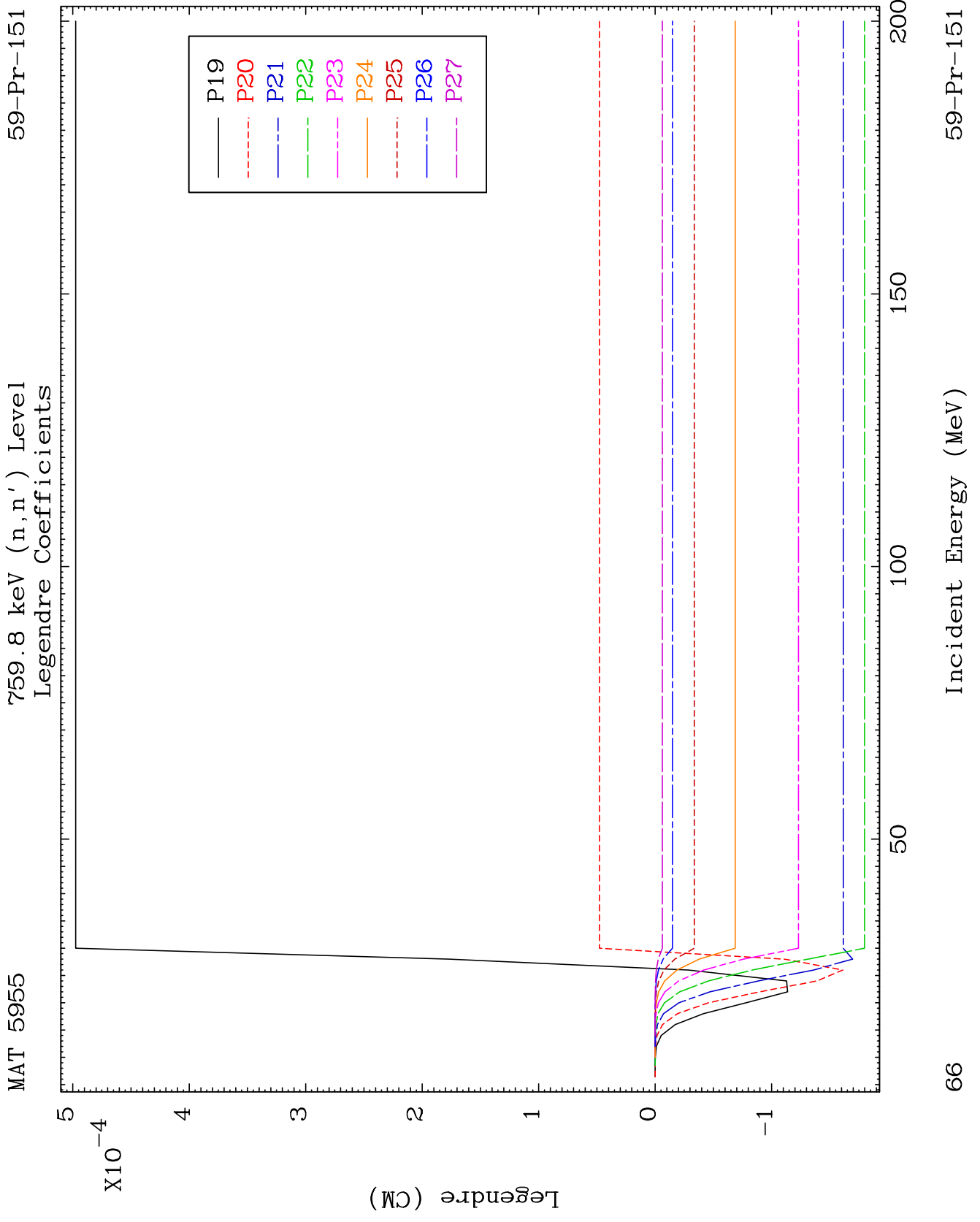
756.8 keV (n,n') Level
Legendre Coefficients

59-Pr-151



63

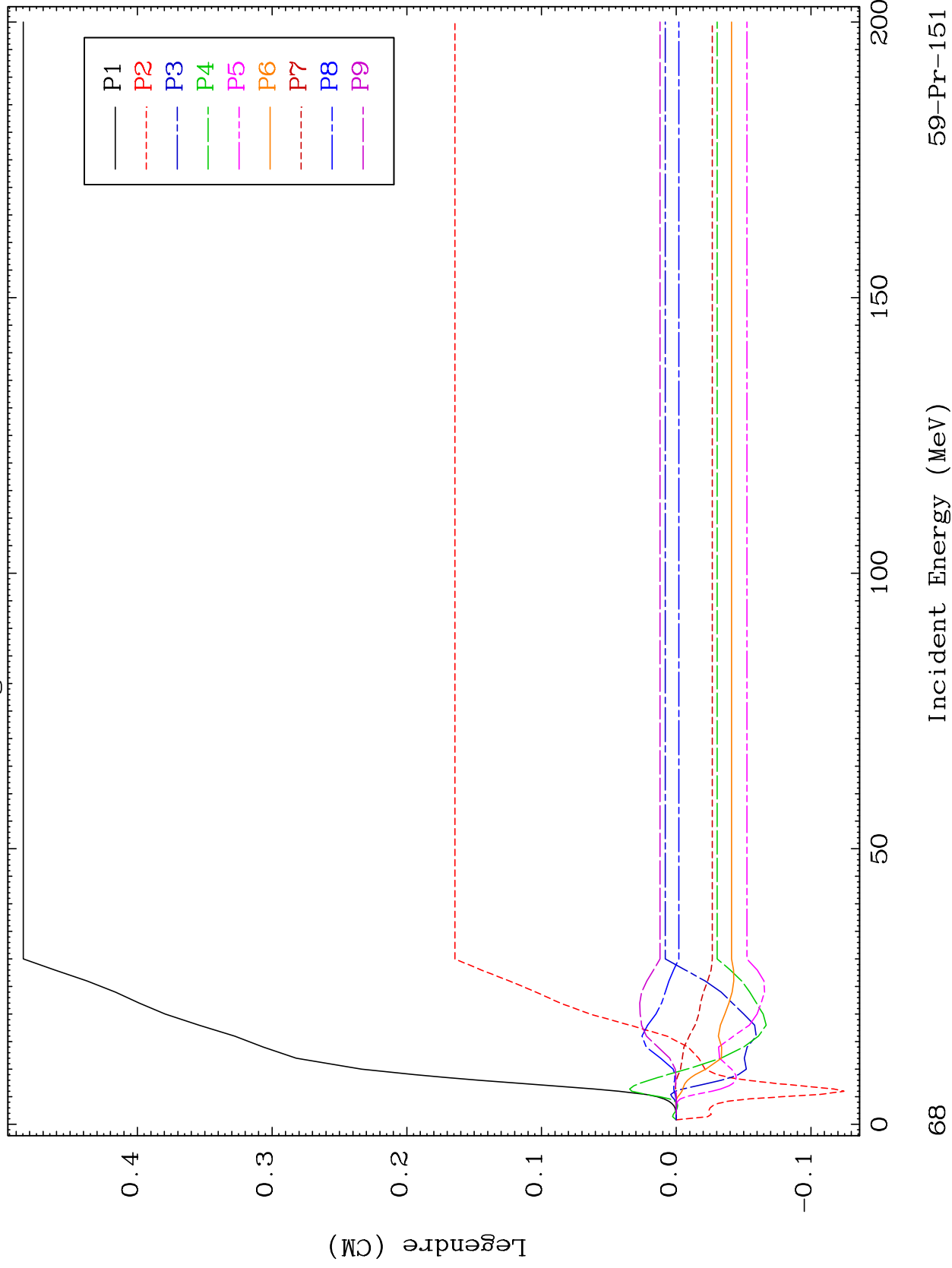
59-Pr-151

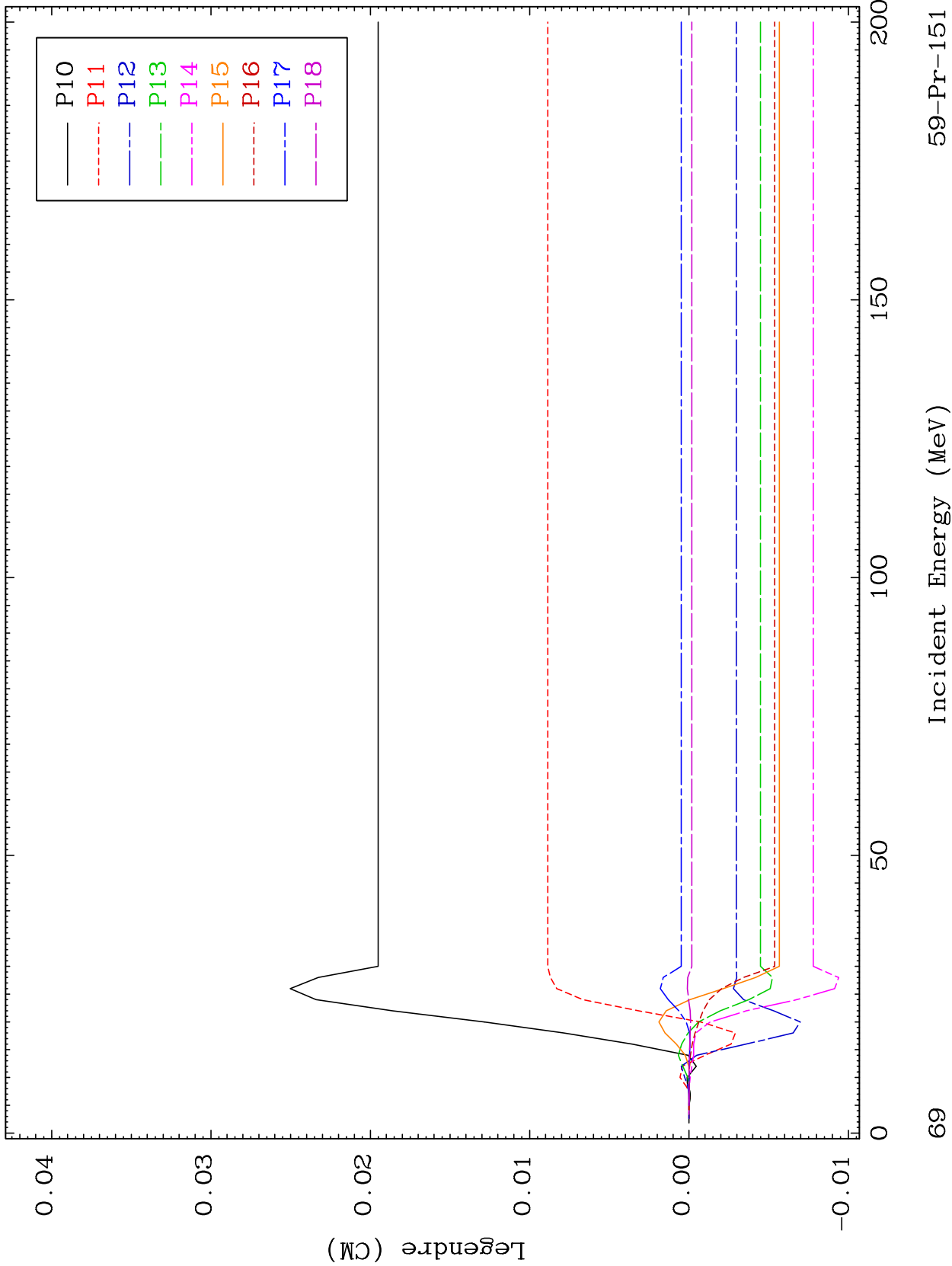


MAT 5955

762.9 keV (n,n') Level
Legendre Coefficients

59-Pr-151

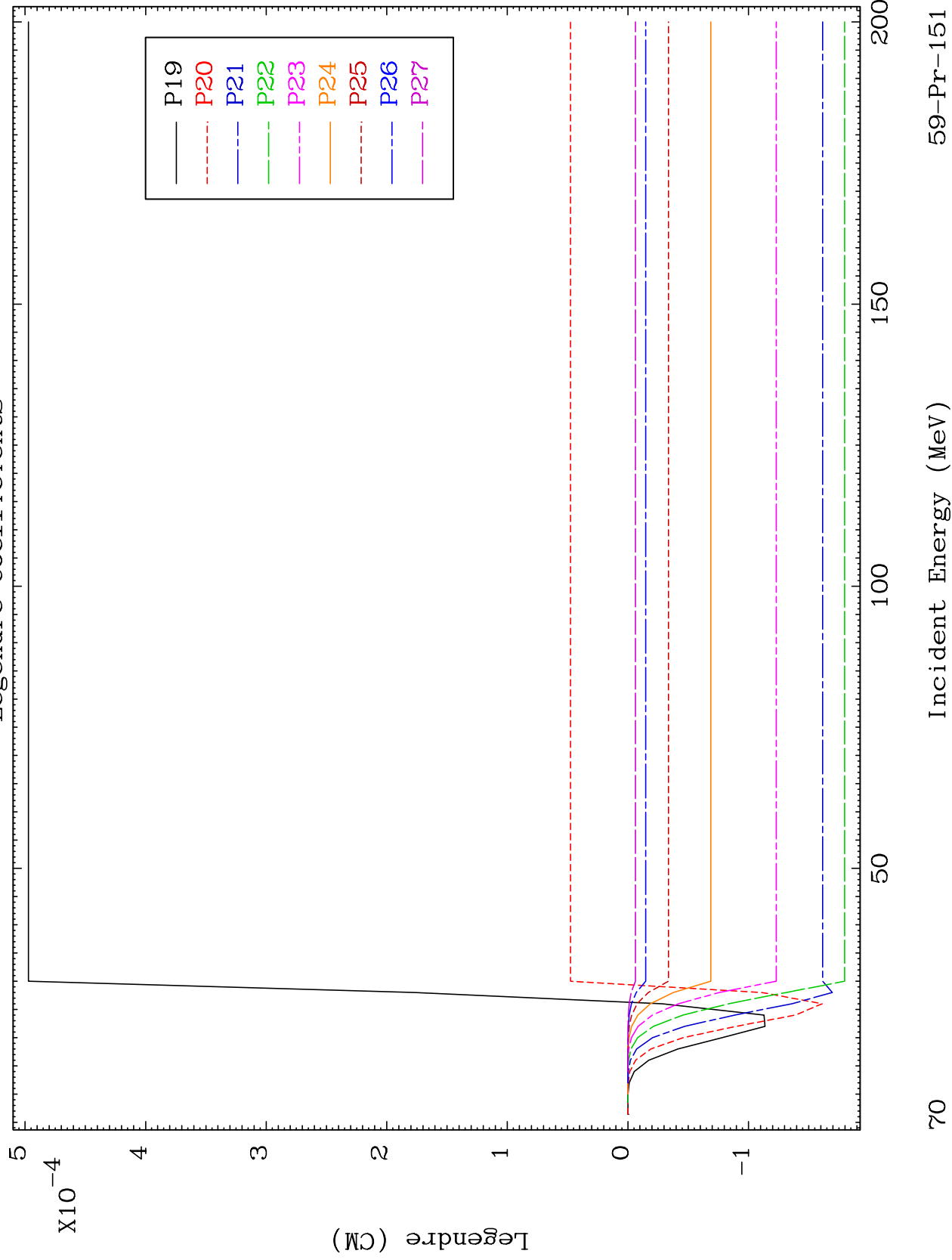




MAT 5955

762.9 keV (n,n') Level
Legendre Coefficients

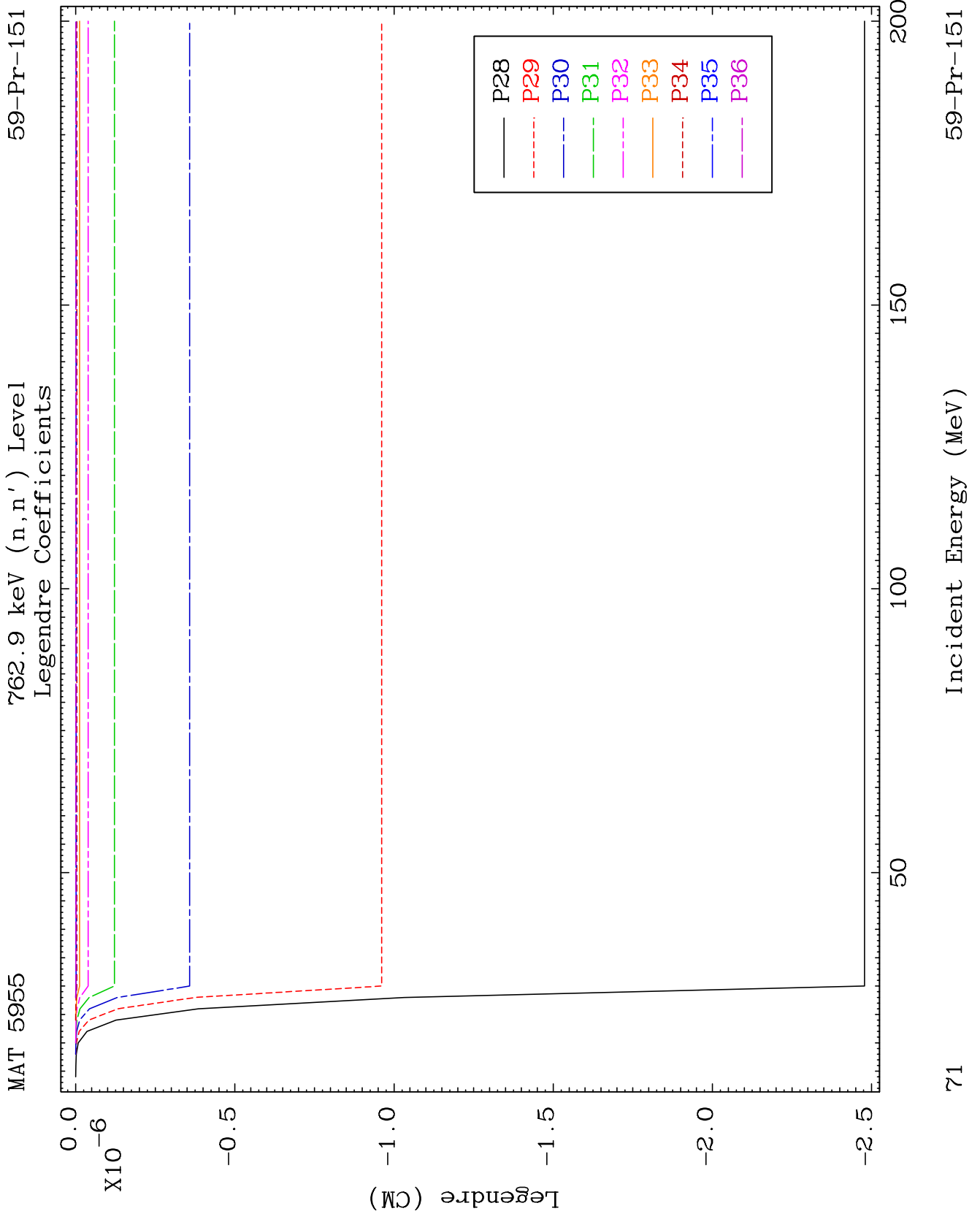
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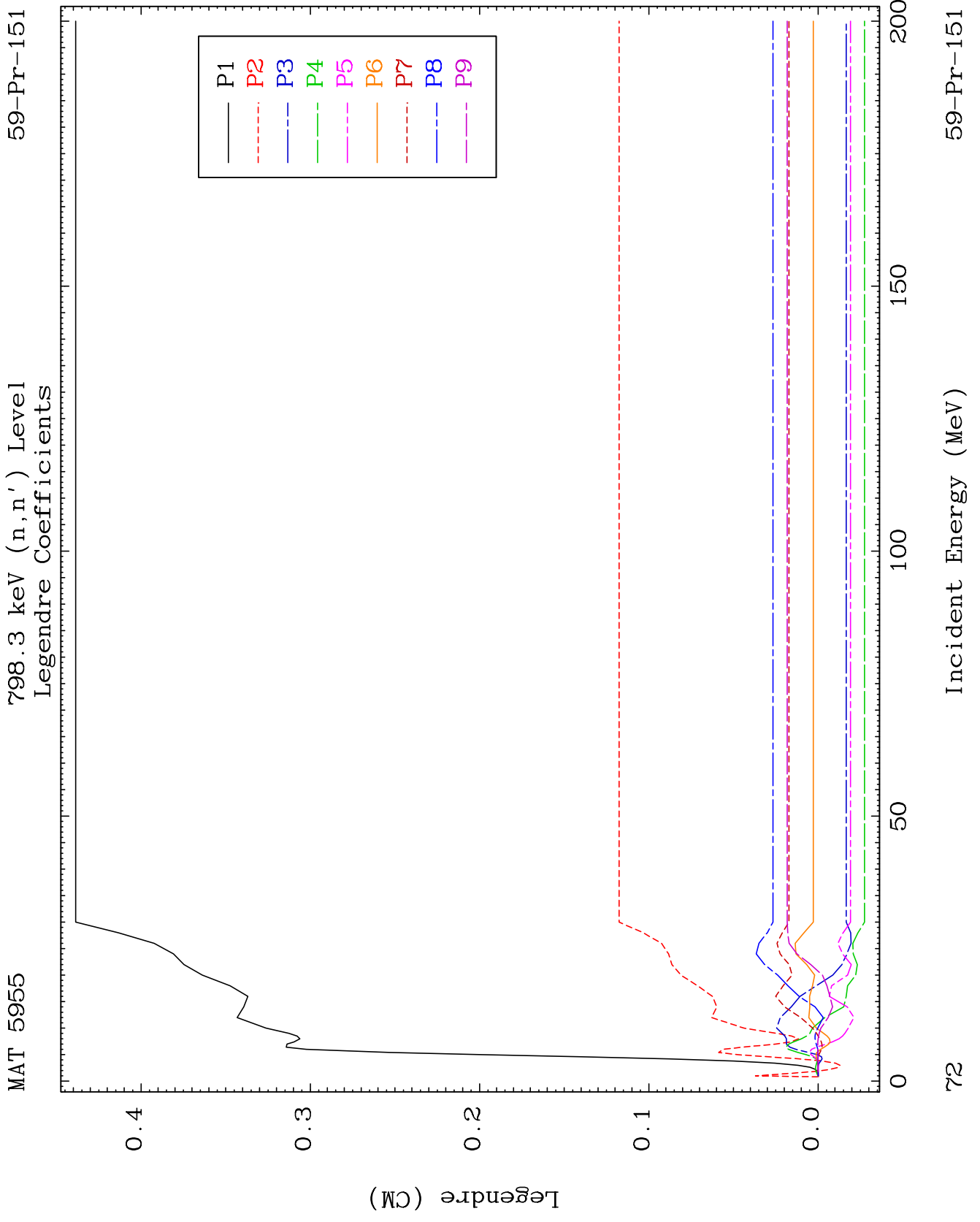


70

Incident Energy (MeV)

59-Pr-151

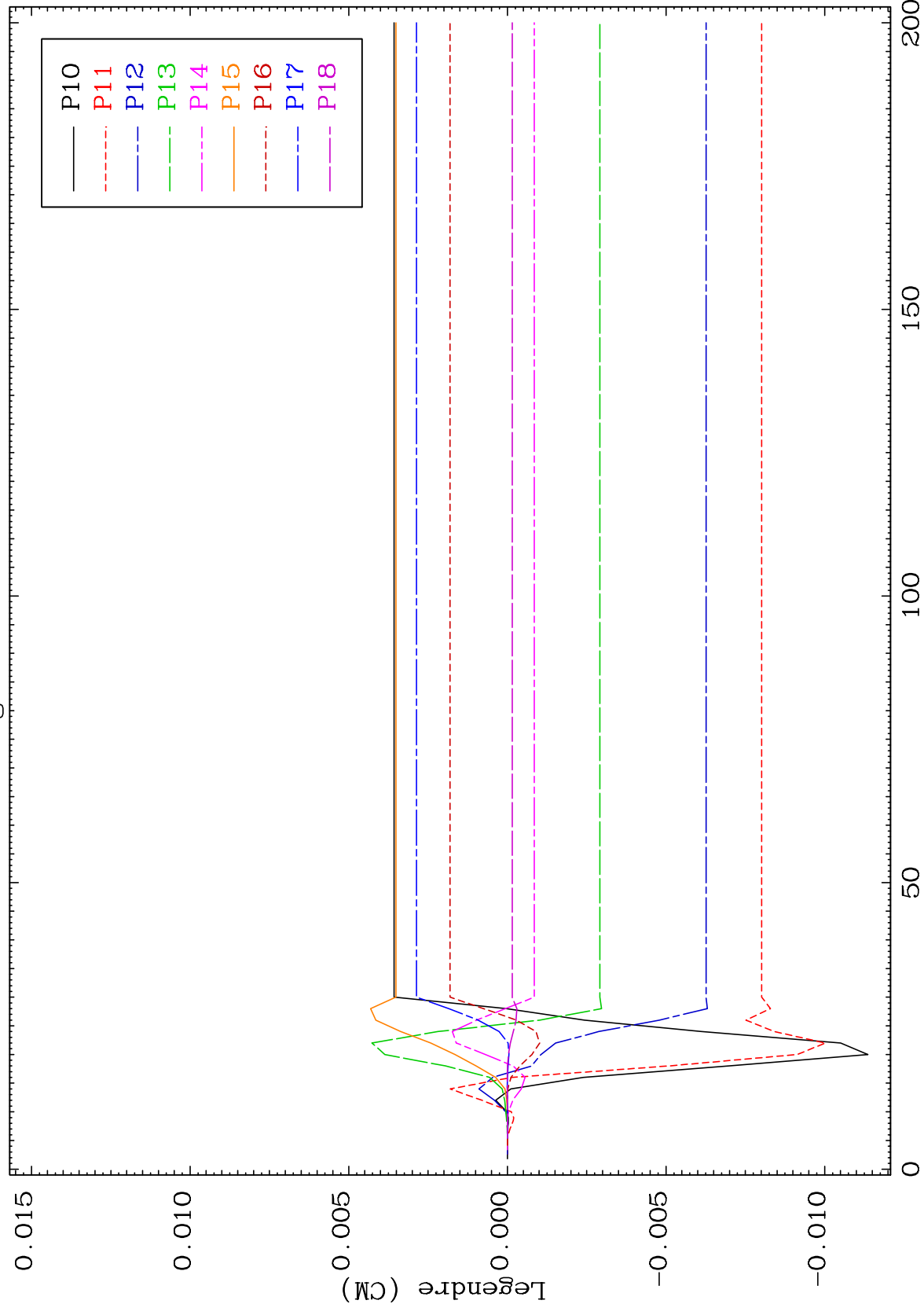




MAT 5955

798.3 keV (n,n') Level
Legendre Coefficients

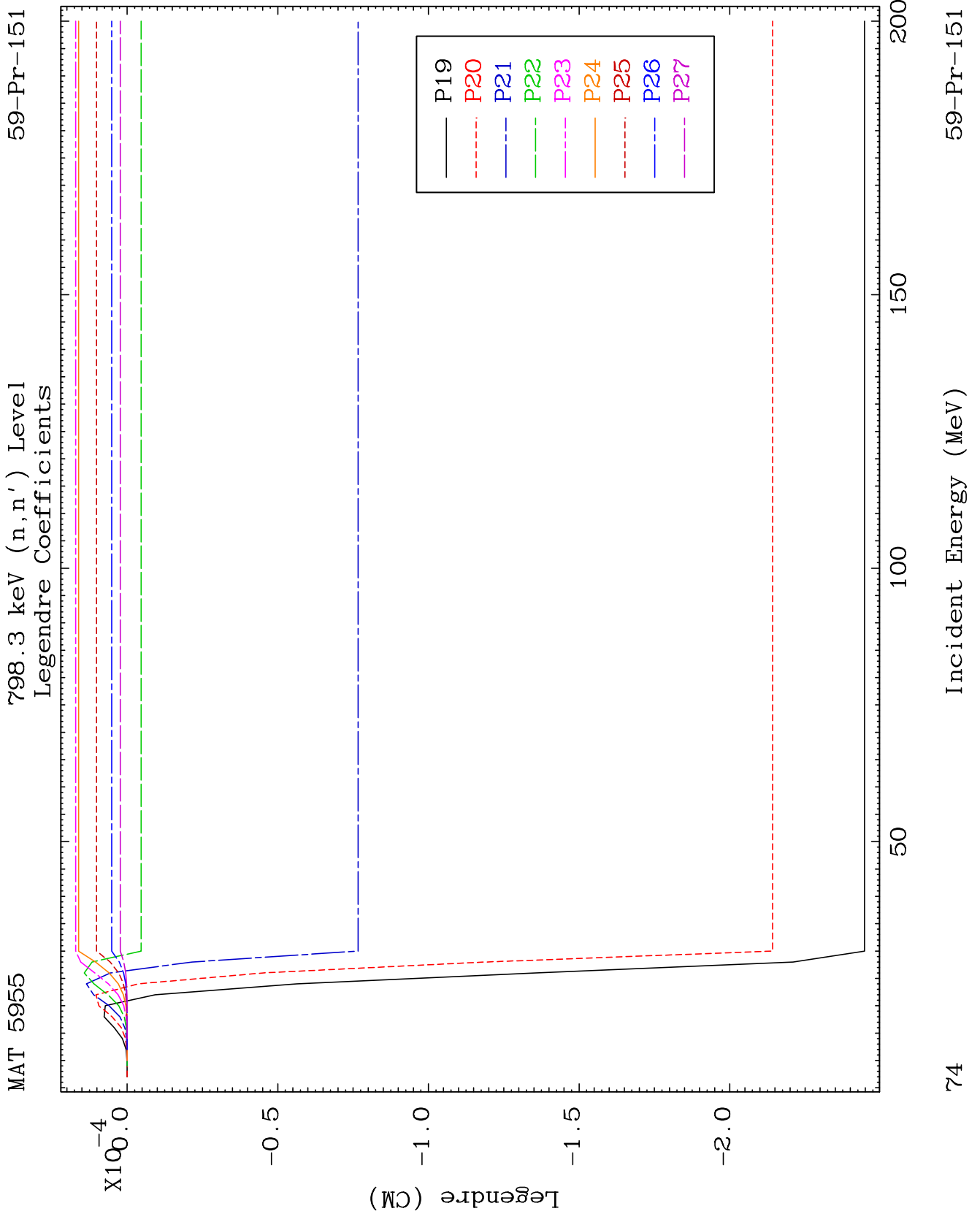
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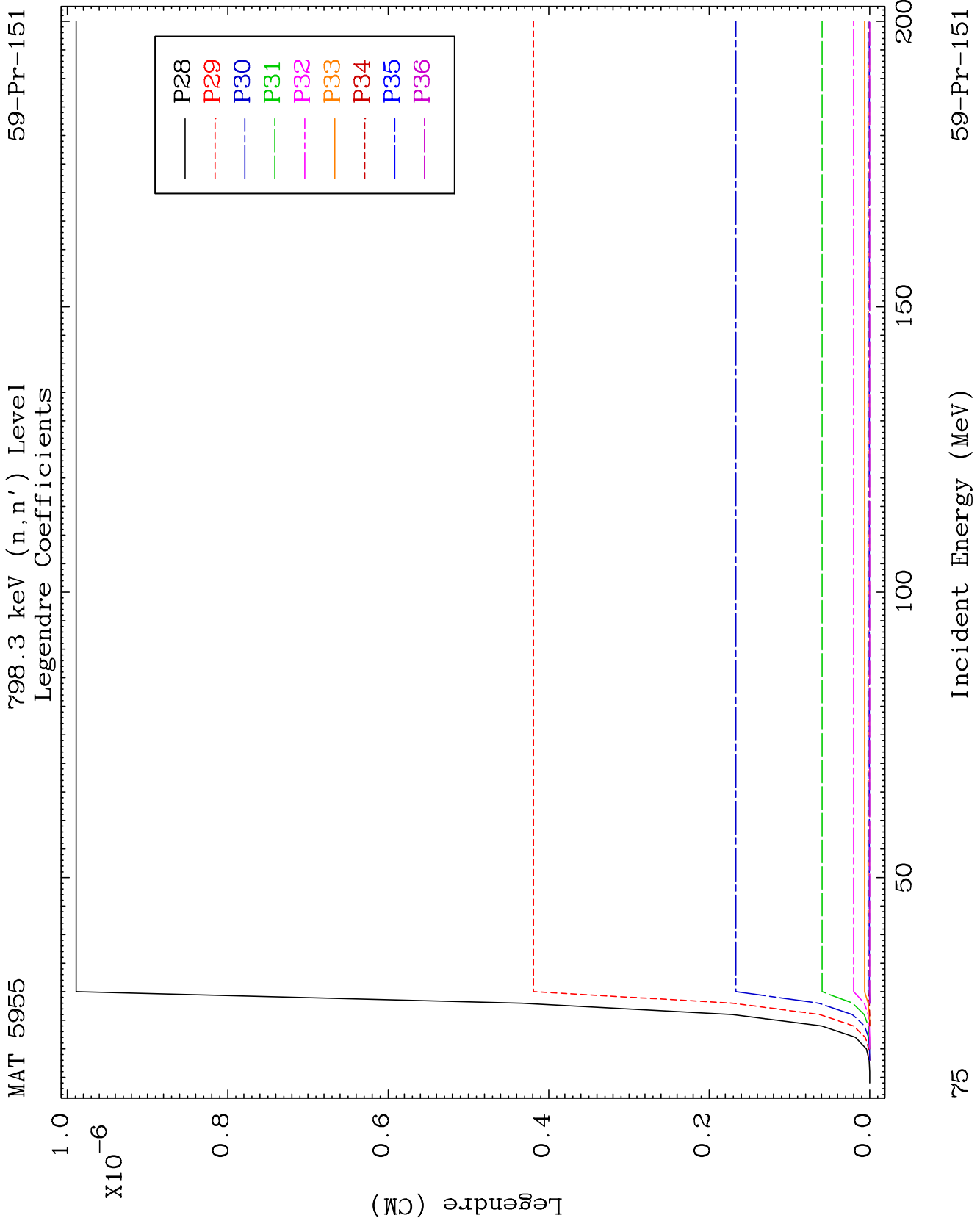


73

Incident Energy (MeV)

59-Pr-151

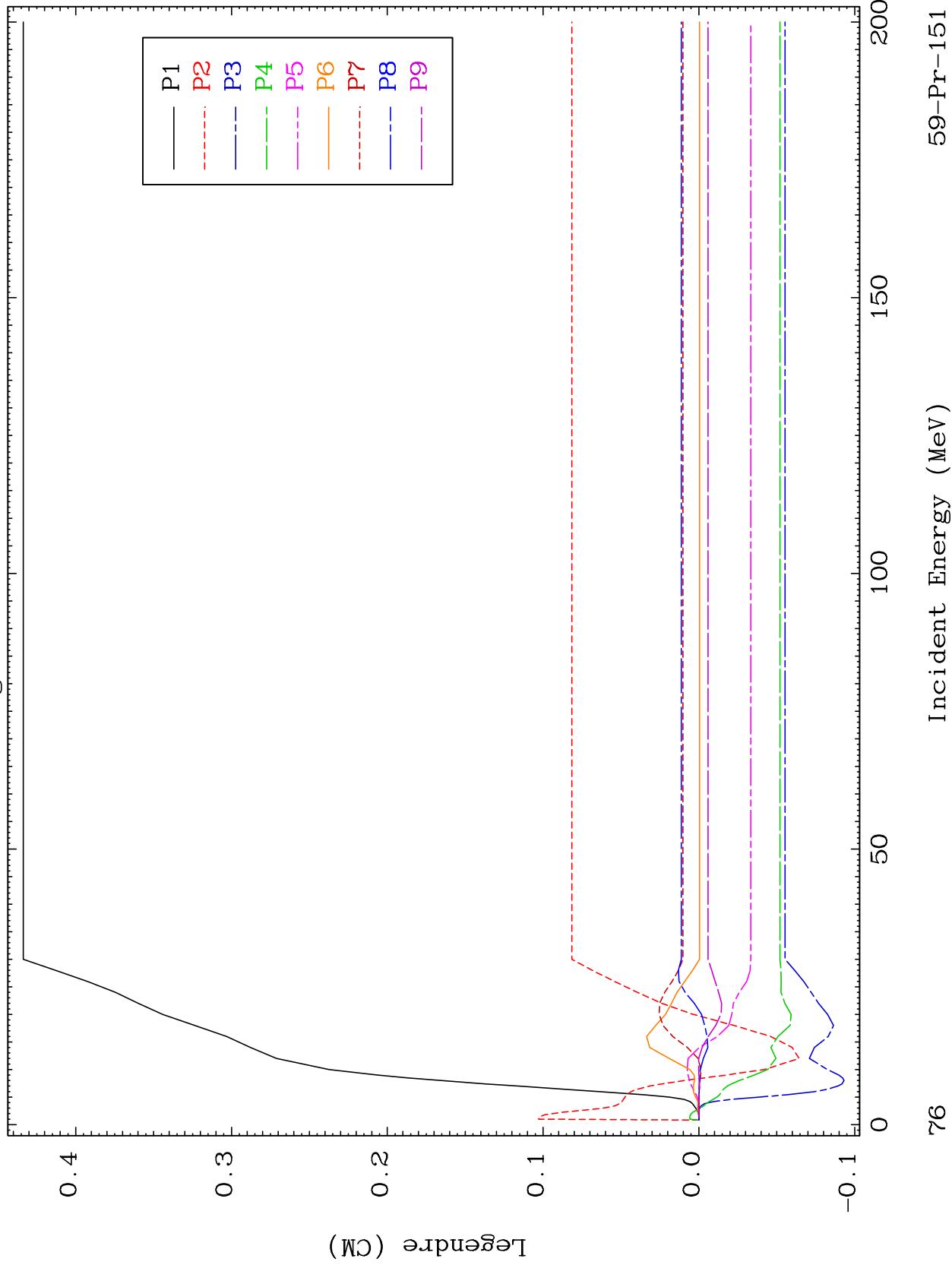




MAT 5955

821.6 keV (n,n') Level
Legendre Coefficients

59-Pr-151



59-Pr-151

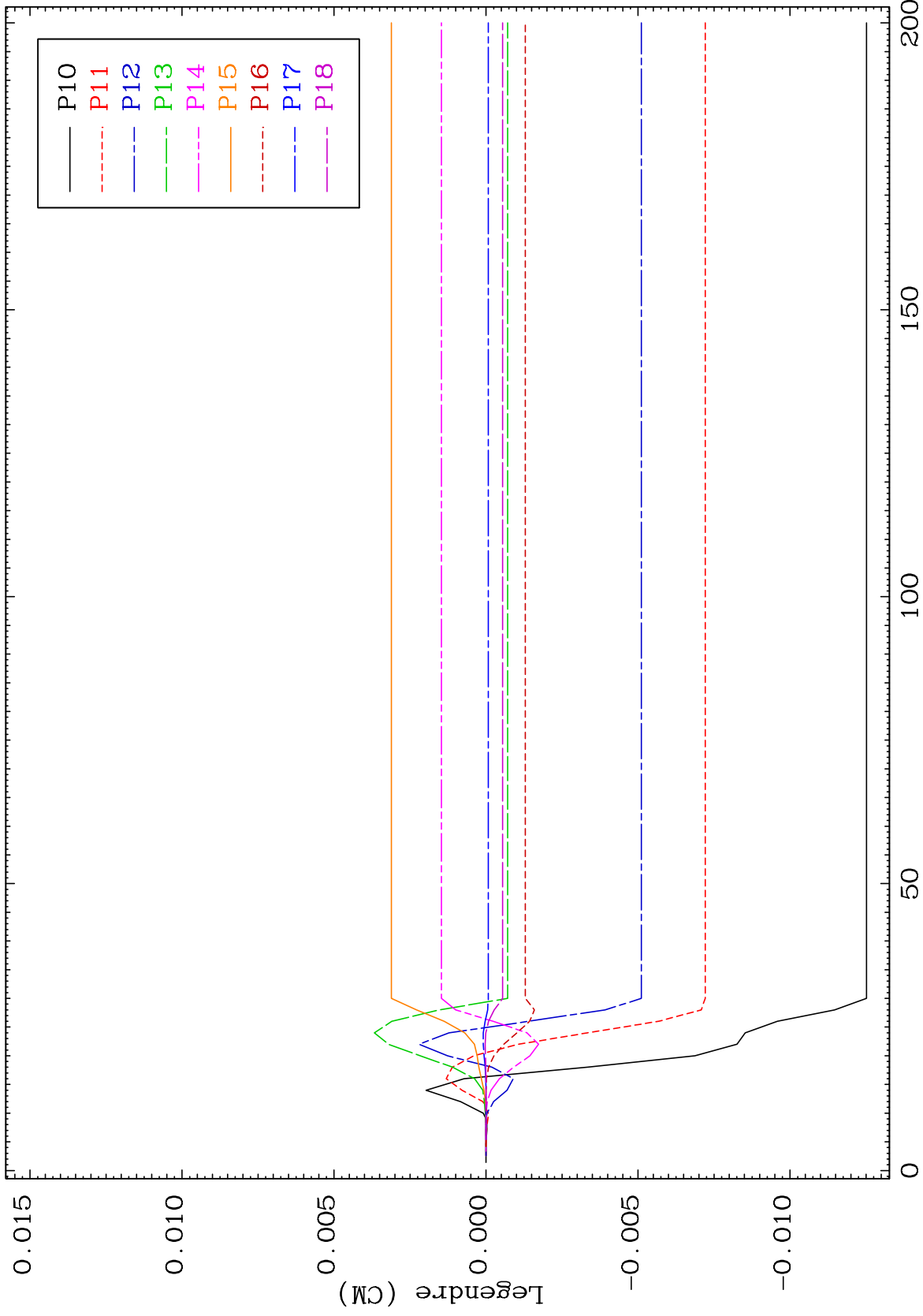
Incident Energy (MeV)

76

MAT 5955

821.6 keV (n,n') Level
Legendre Coefficients

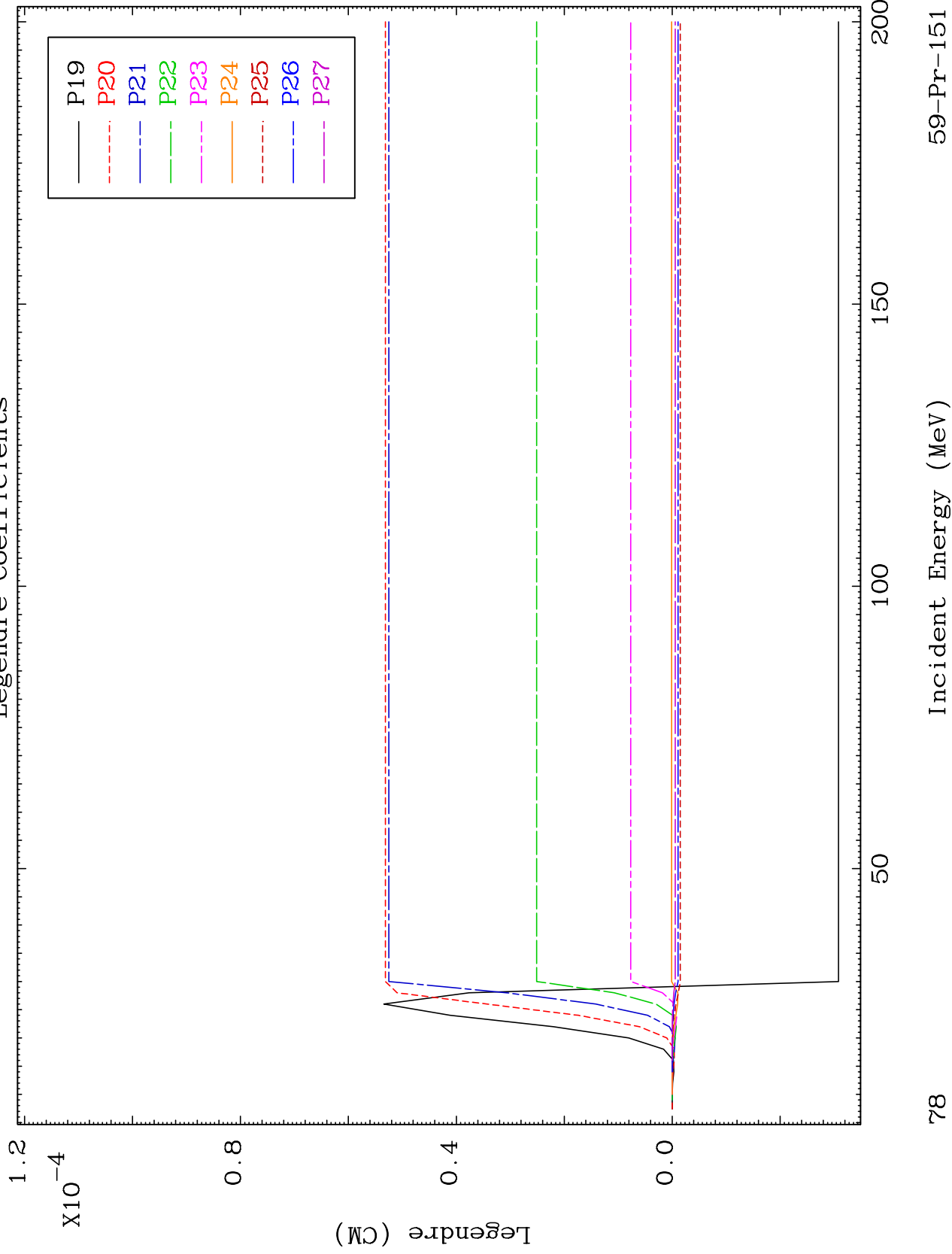
59-Pr-151

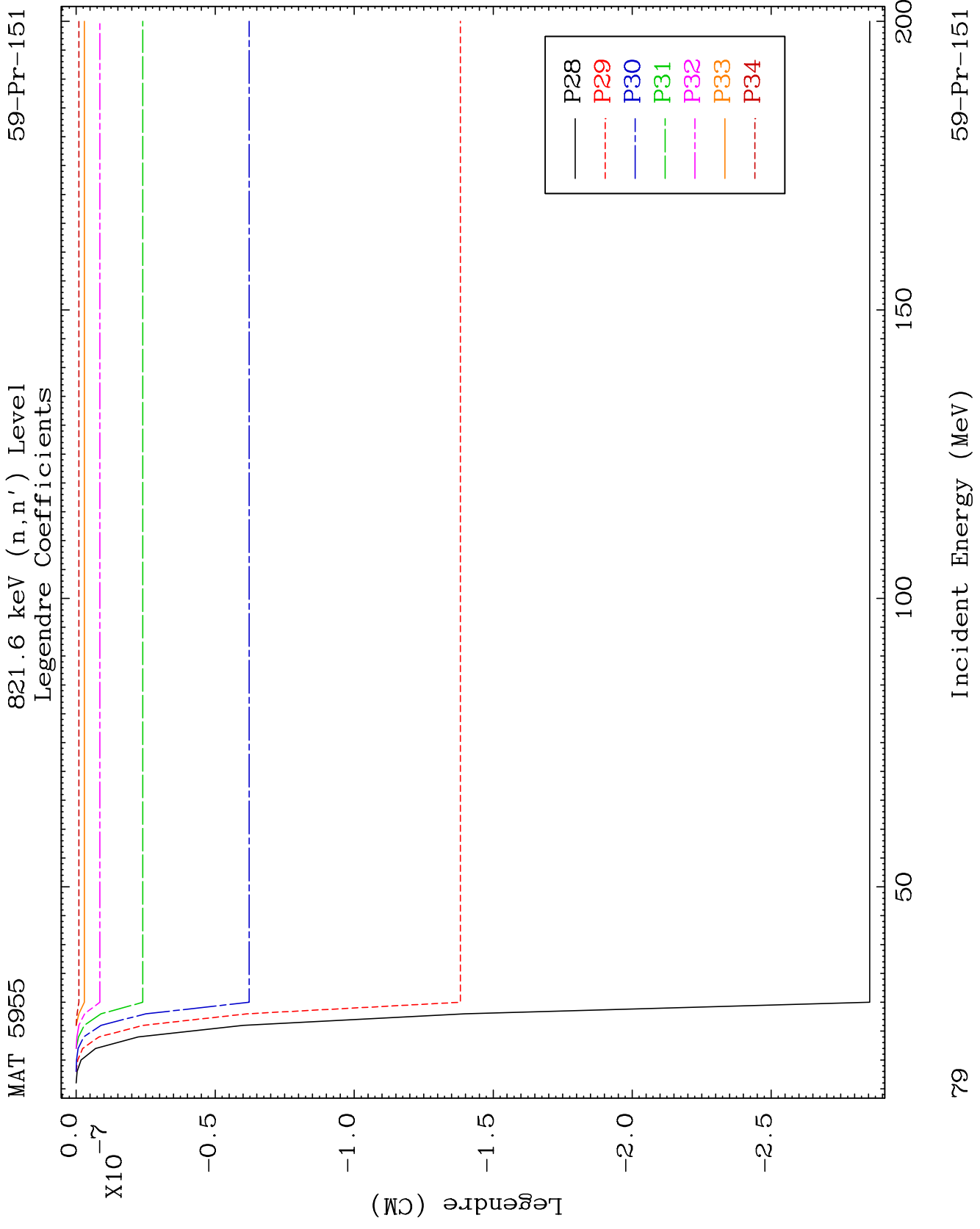


77

Incident Energy (MeV)

59-Pr-151

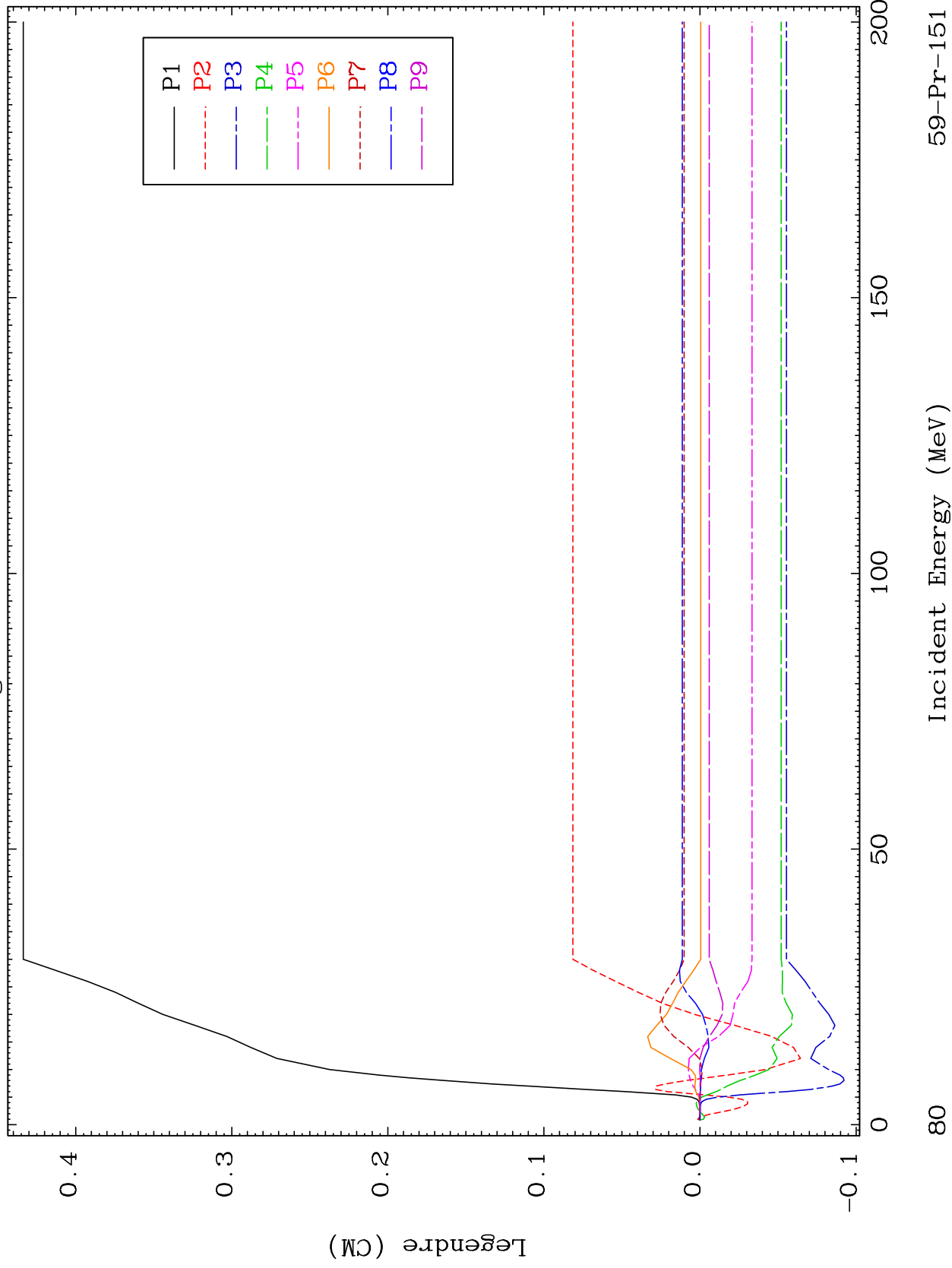




MAT 5955

824.8 keV (n,n') Level
Legendre Coefficients

59-Pr-151

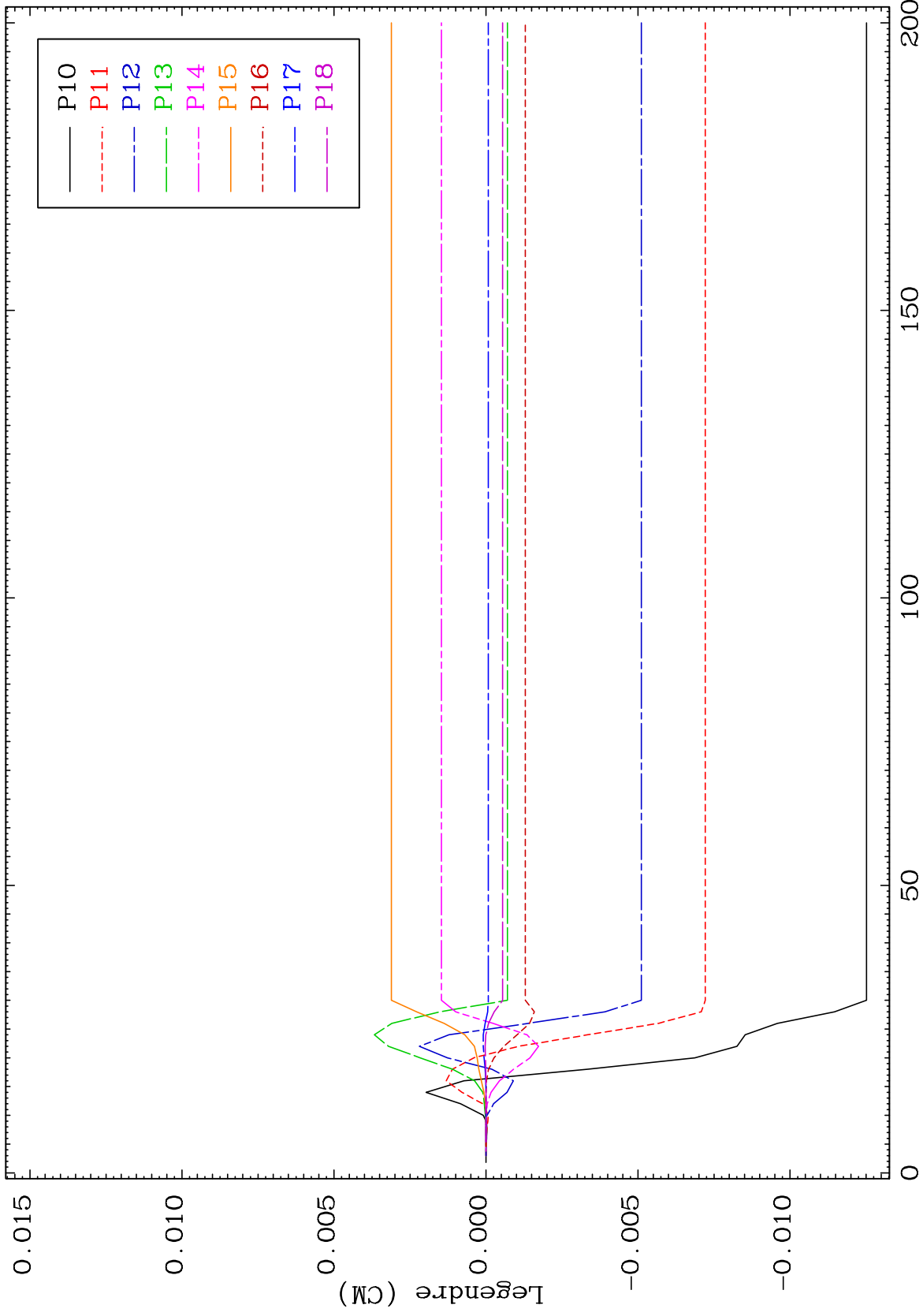


59-Pr-151

MAT 5955

824.8 keV (n,n') Level
Legendre Coefficients

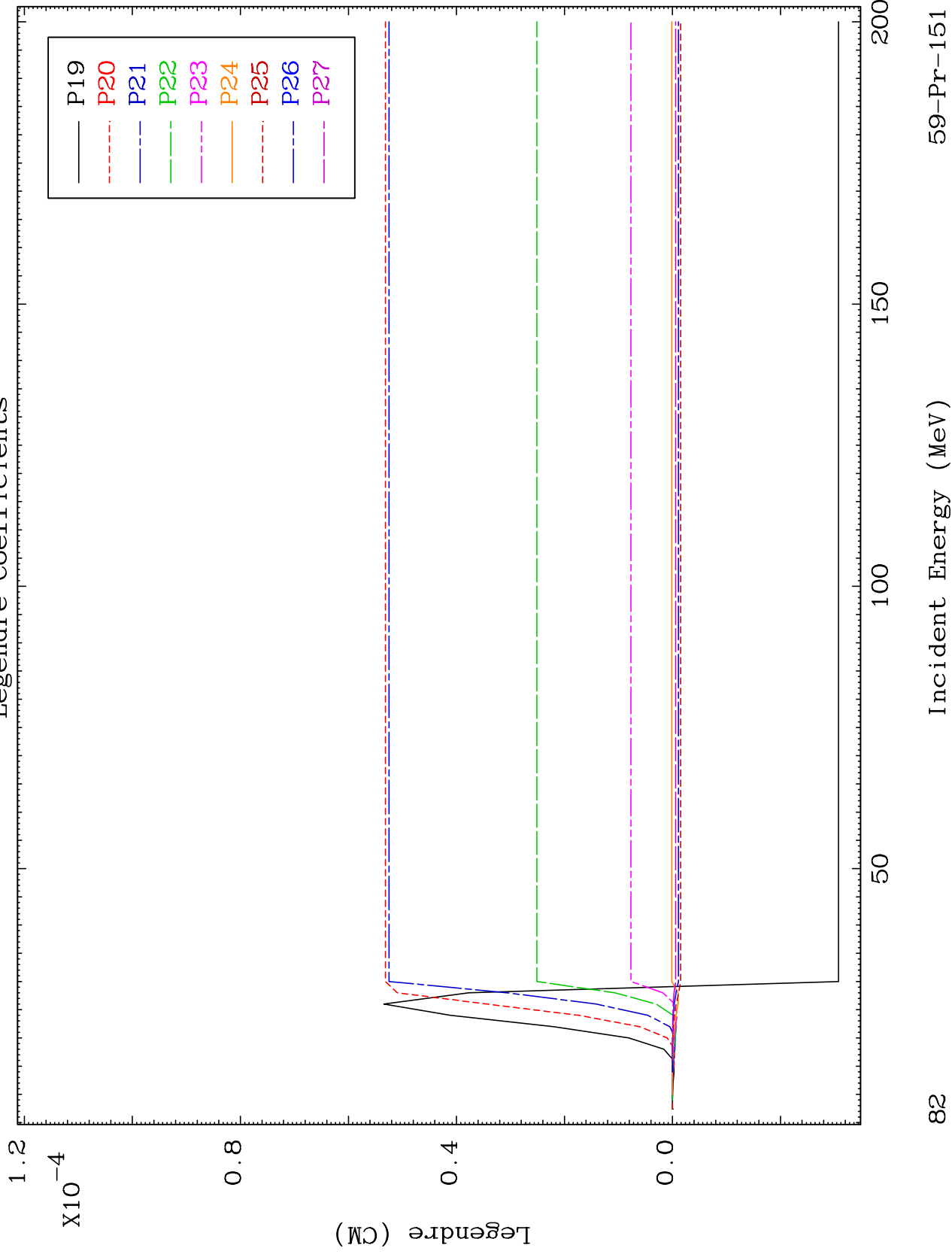
59-Pr-151

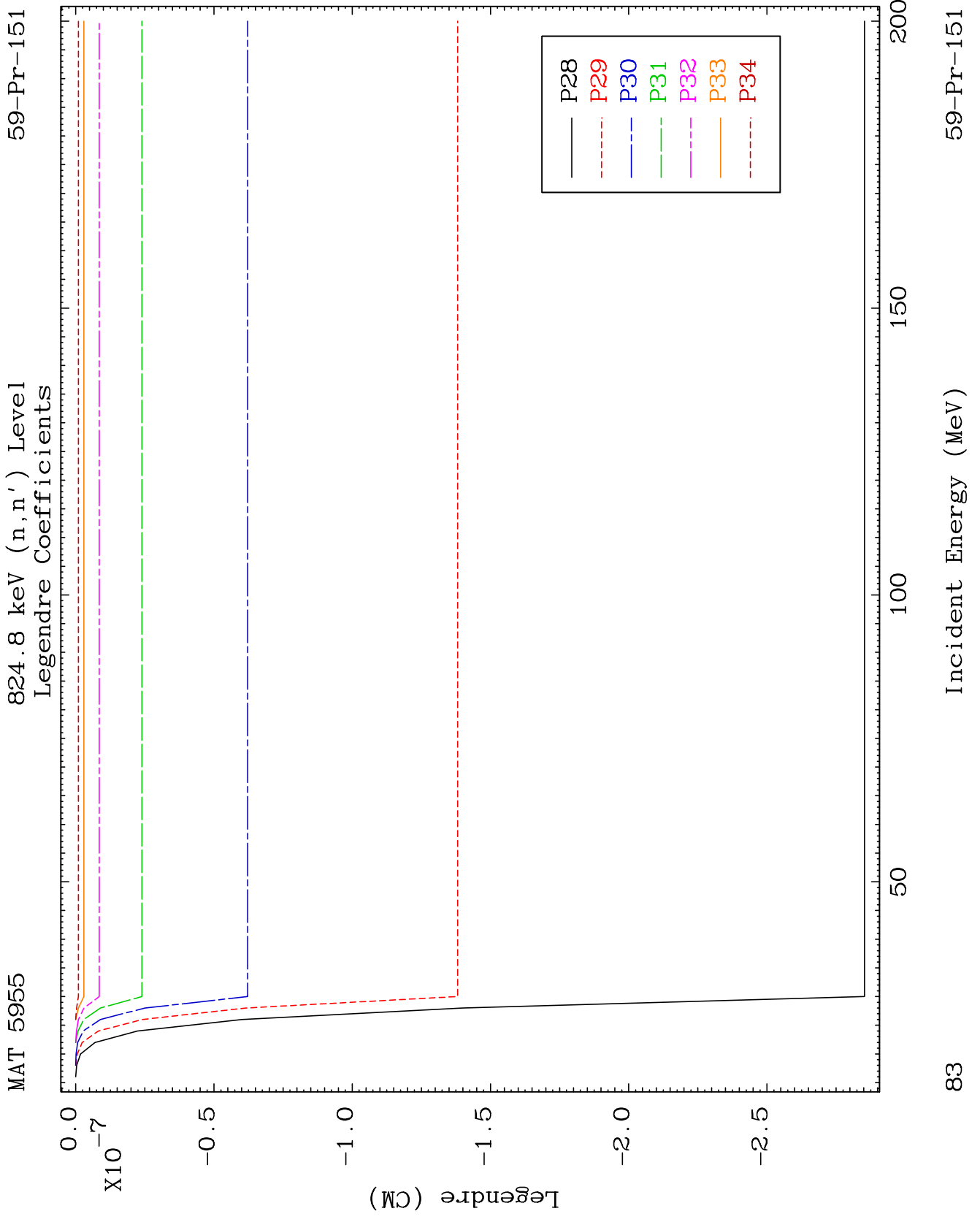


81

Incident Energy (MeV)

59-Pr-151

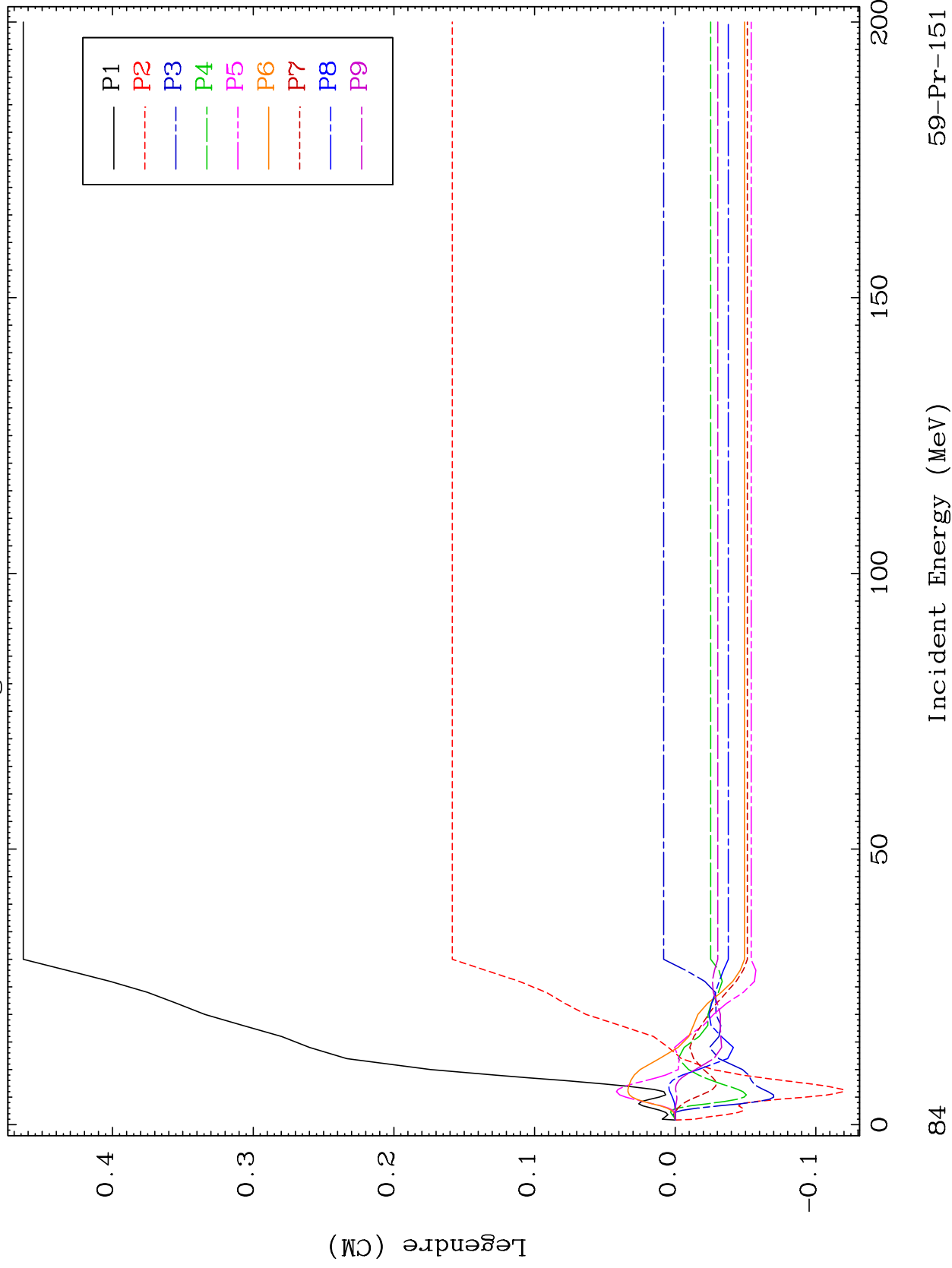




MAT 5955

827.0 keV (n,n') Level
Legendre Coefficients

59-Pr-151



59-Pr-151

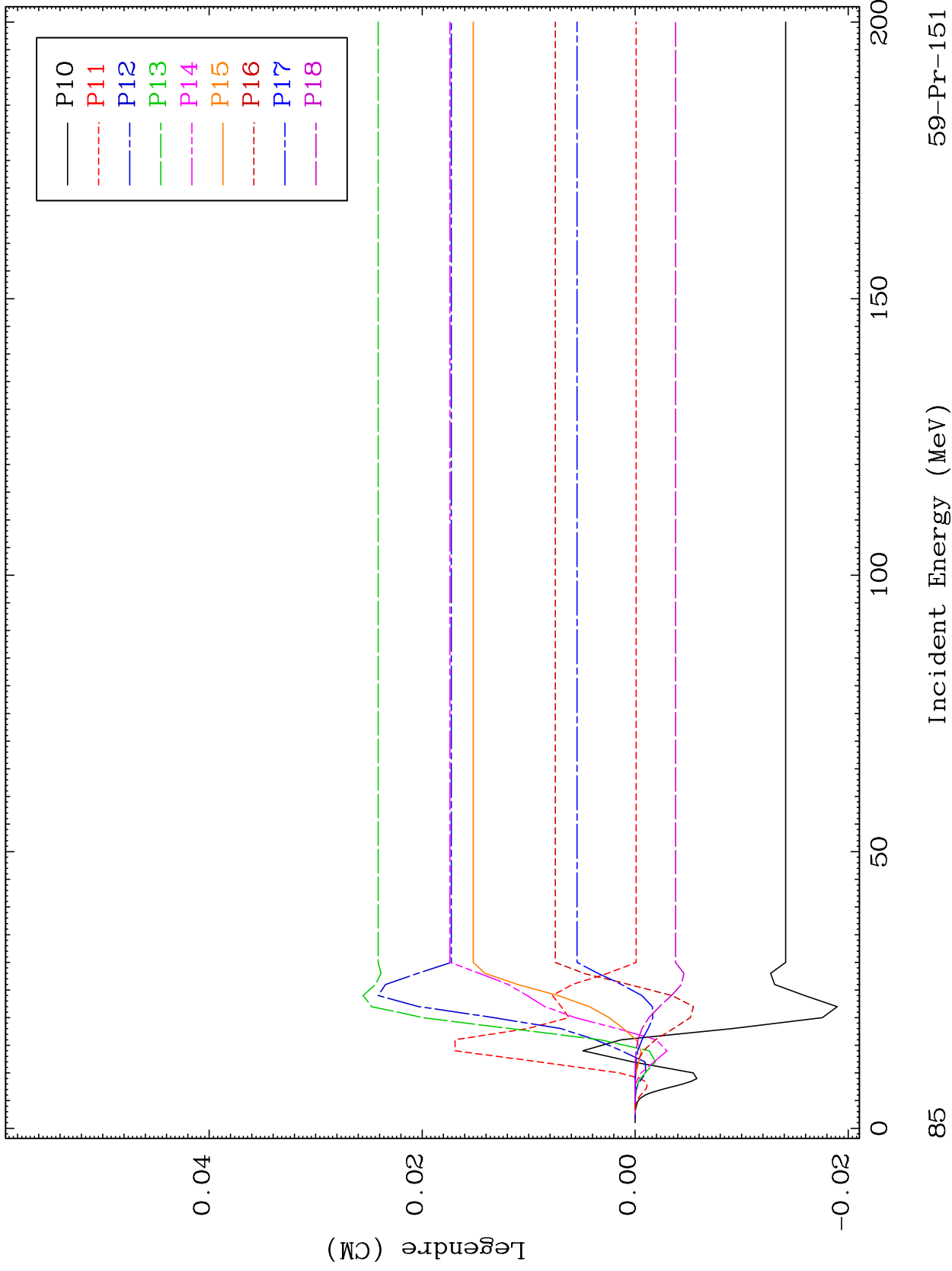
Incident Energy (MeV)

84

MAT 5955

827.0 keV (n,n') Level
Legendre Coefficients

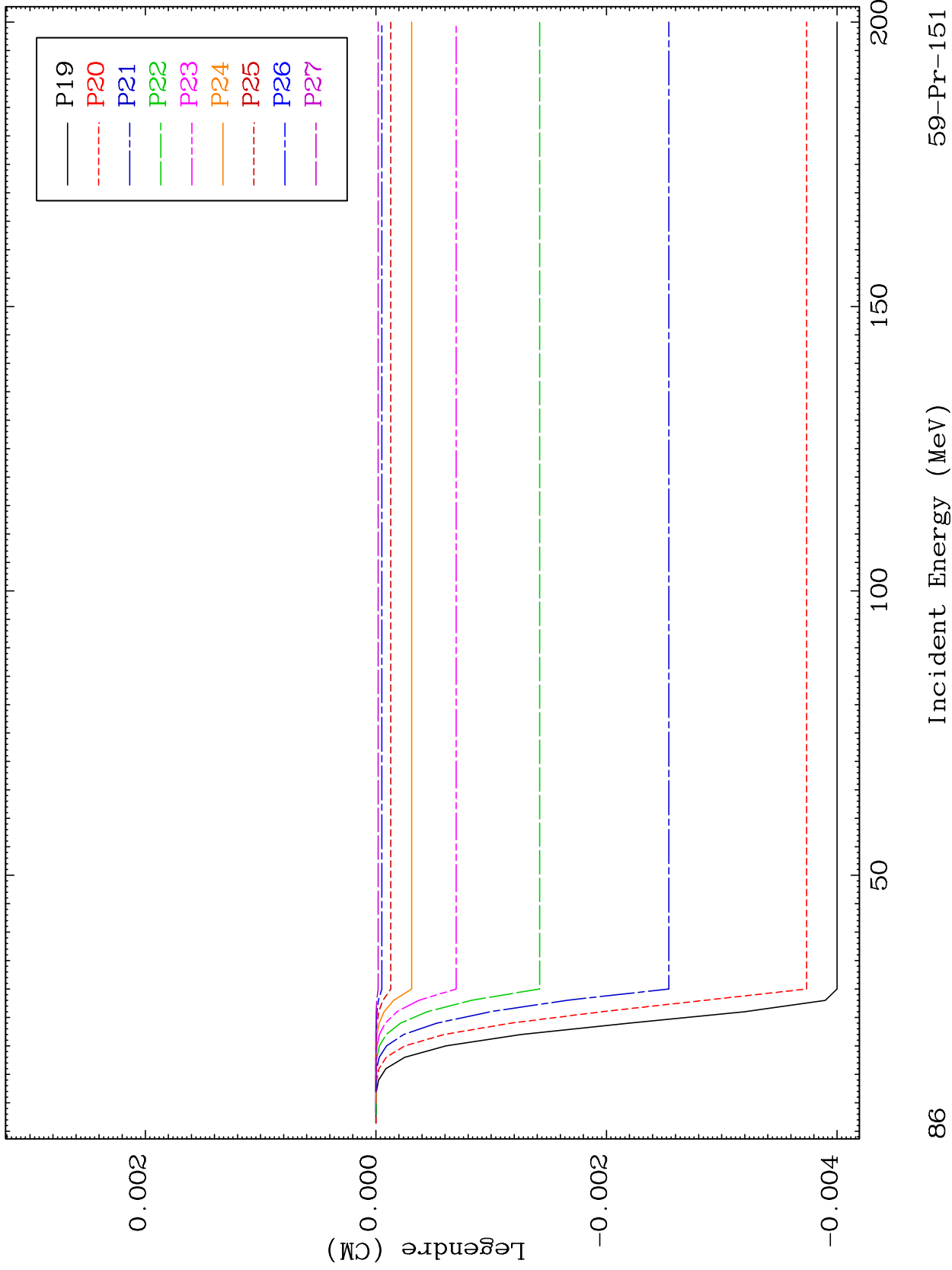
59-Pr-151

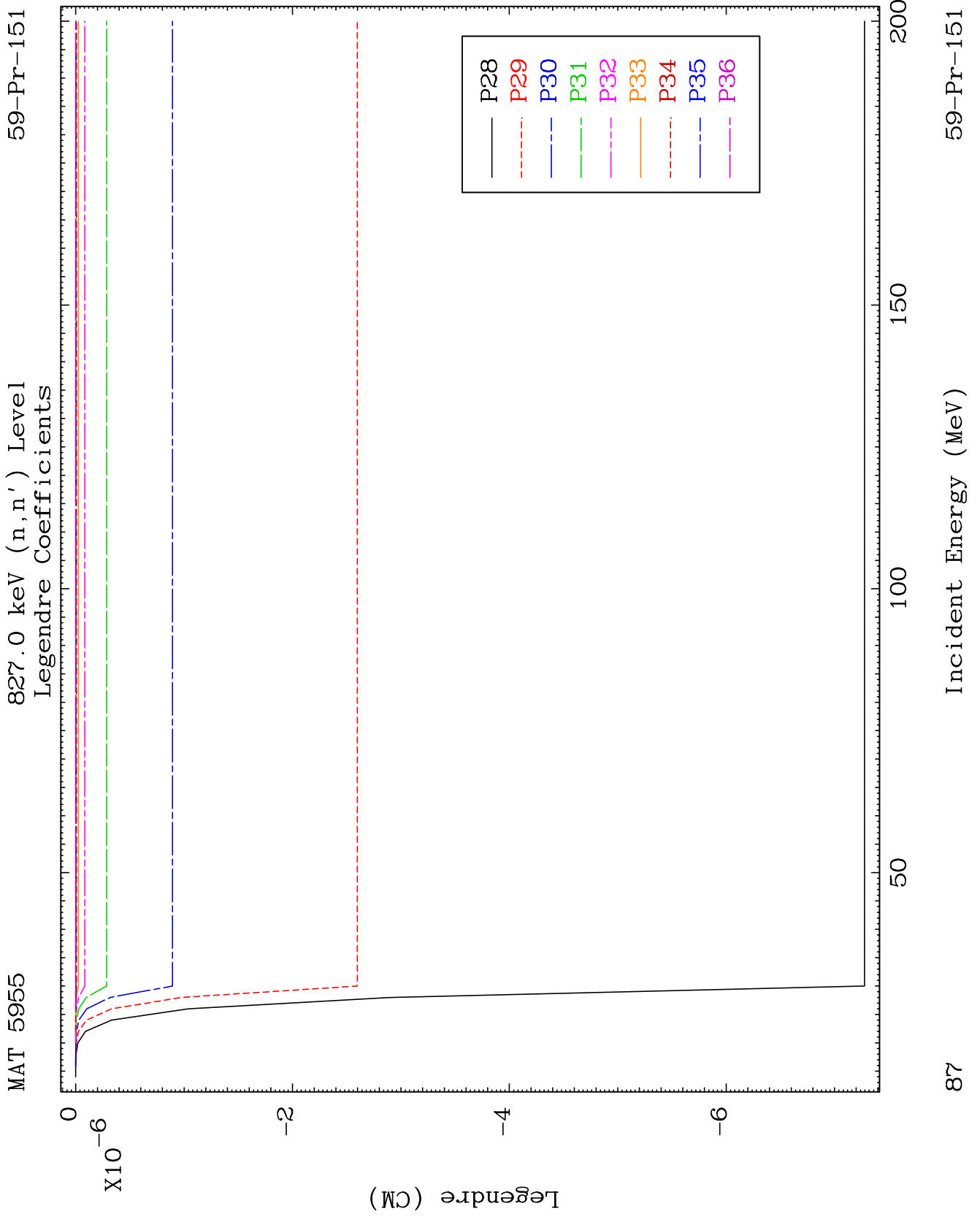


59-Pr-151

Incident Energy (MeV)

85

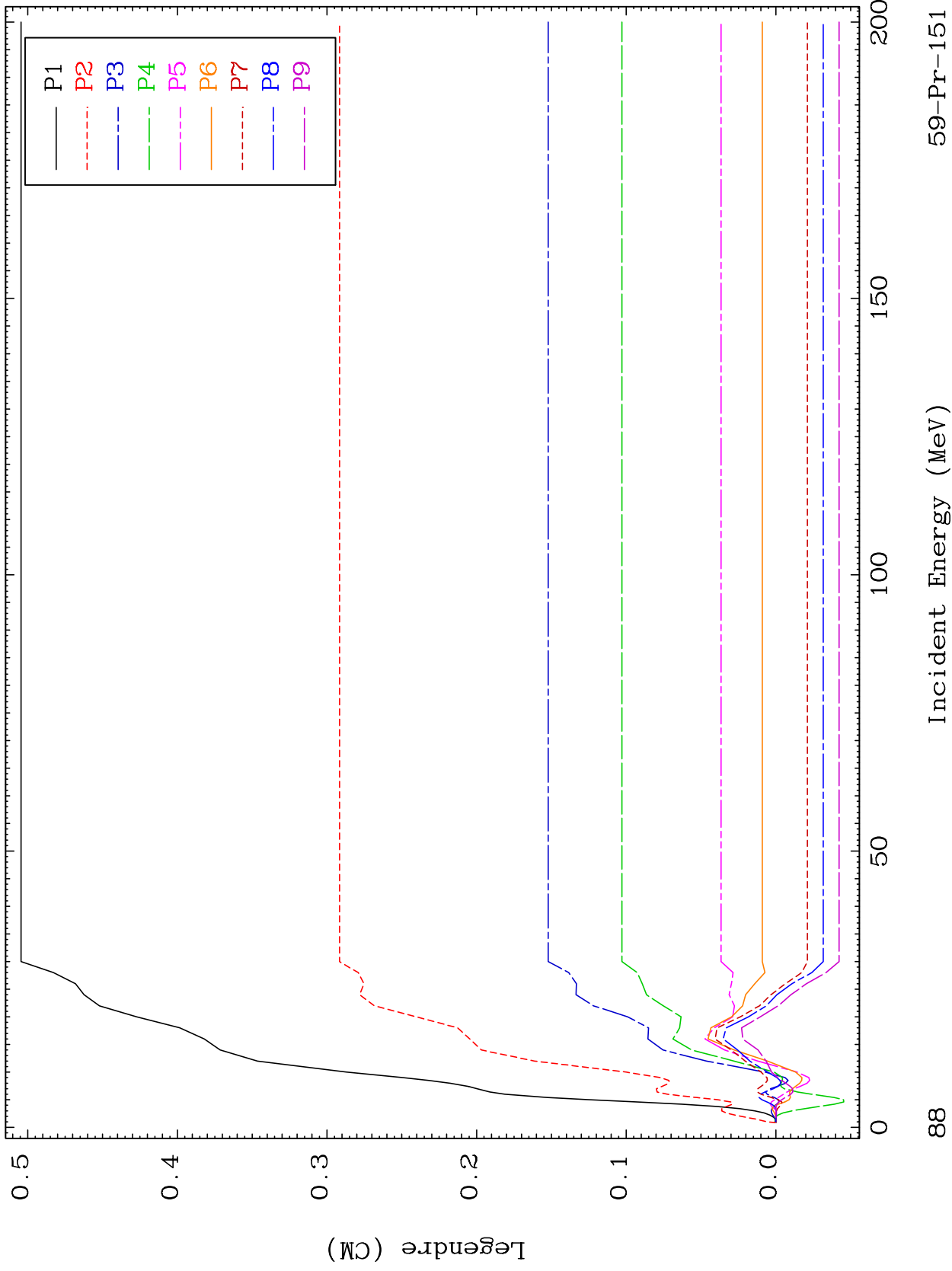




MAT 5955

834.7 keV (n, n') Level
Legendre Coefficients

59-Pr-151



59-Pr-151

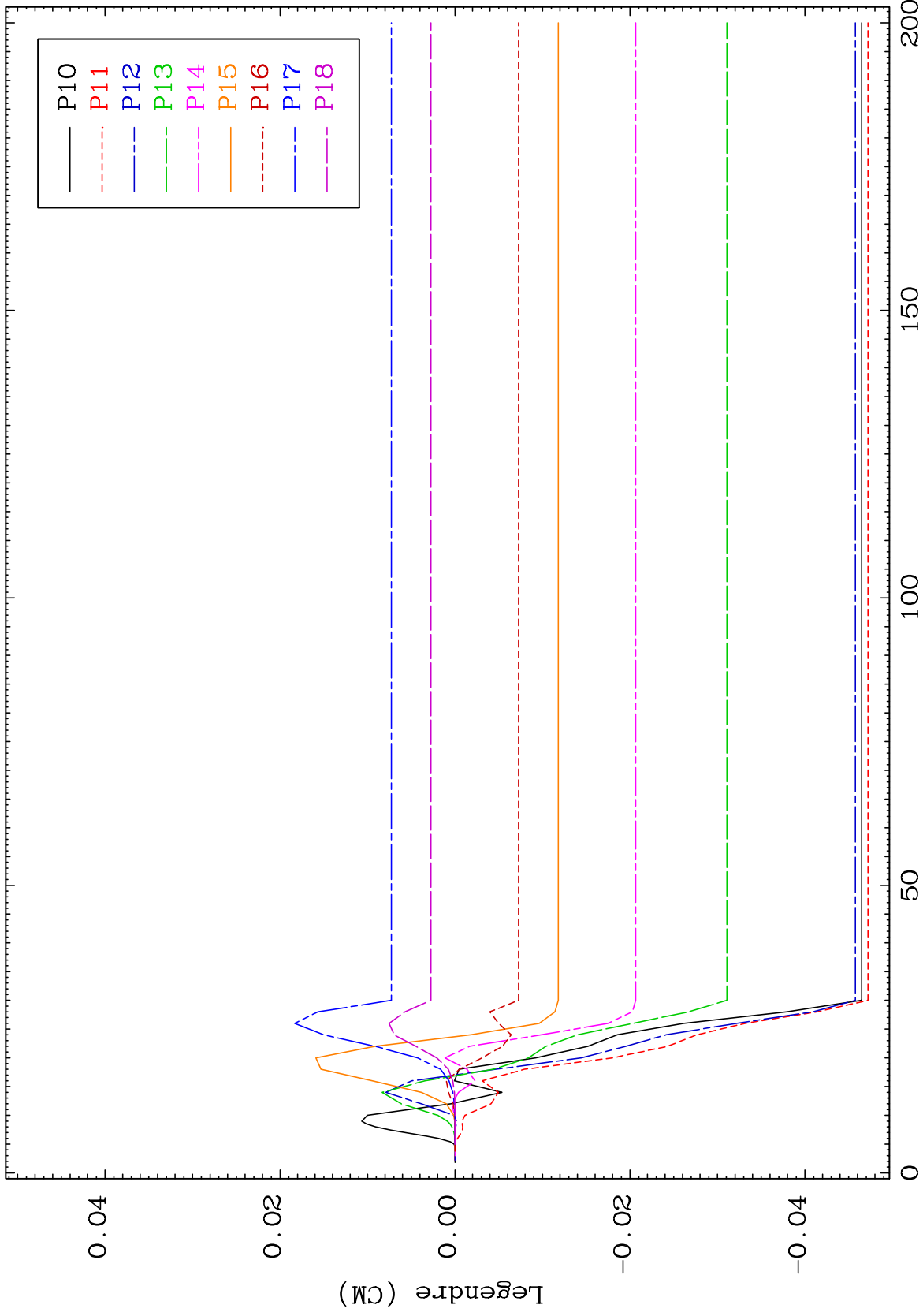
Incident Energy (MeV)

88

MAT 5955

834.7 keV (n,n') Level
Legendre Coefficients

59-Pr-151



89

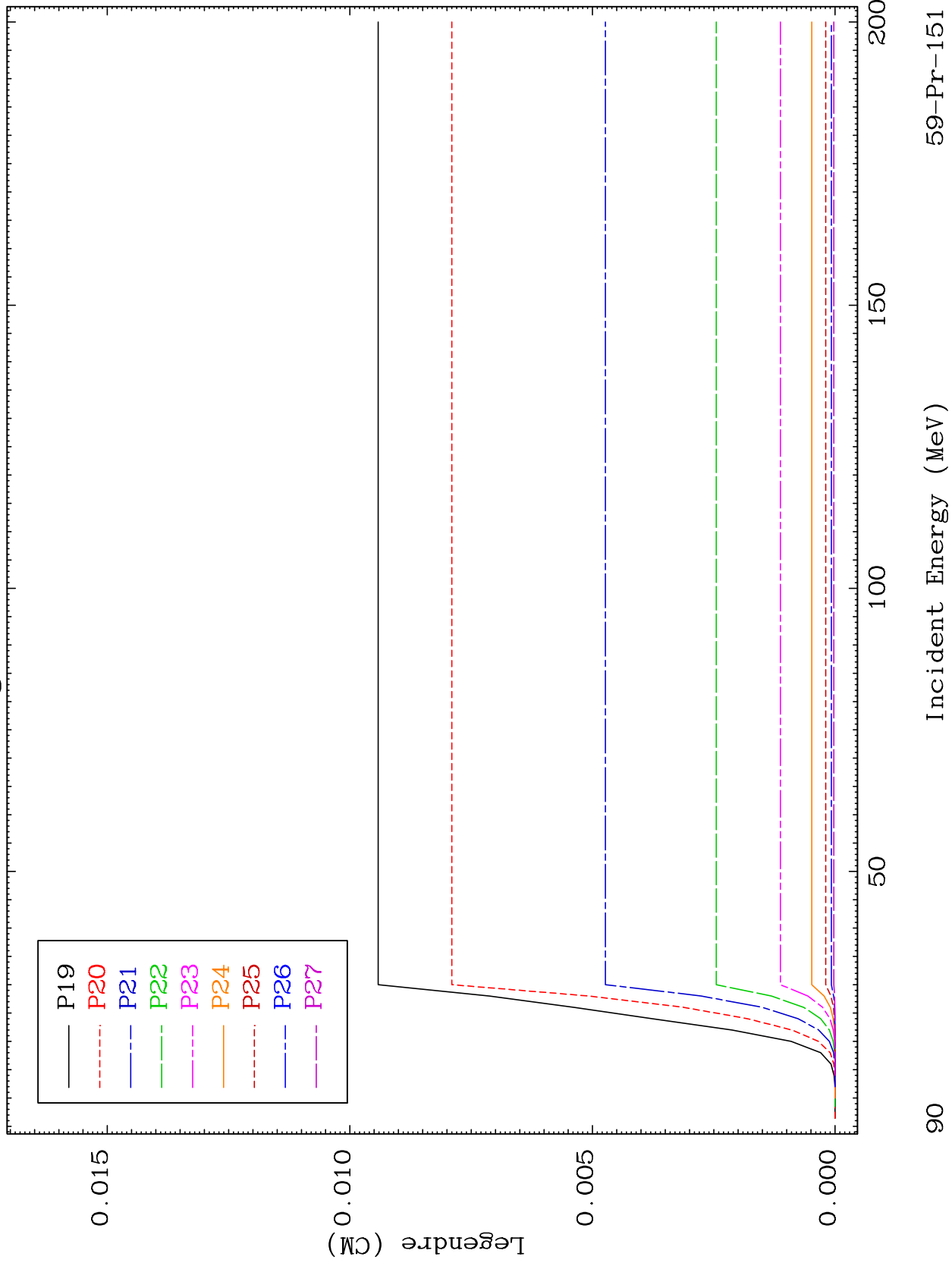
Incident Energy (MeV)

59-Pr-151

MAT 5955

834.7 keV (n,n') Level
Legendre Coefficients

59-Pr-151



90

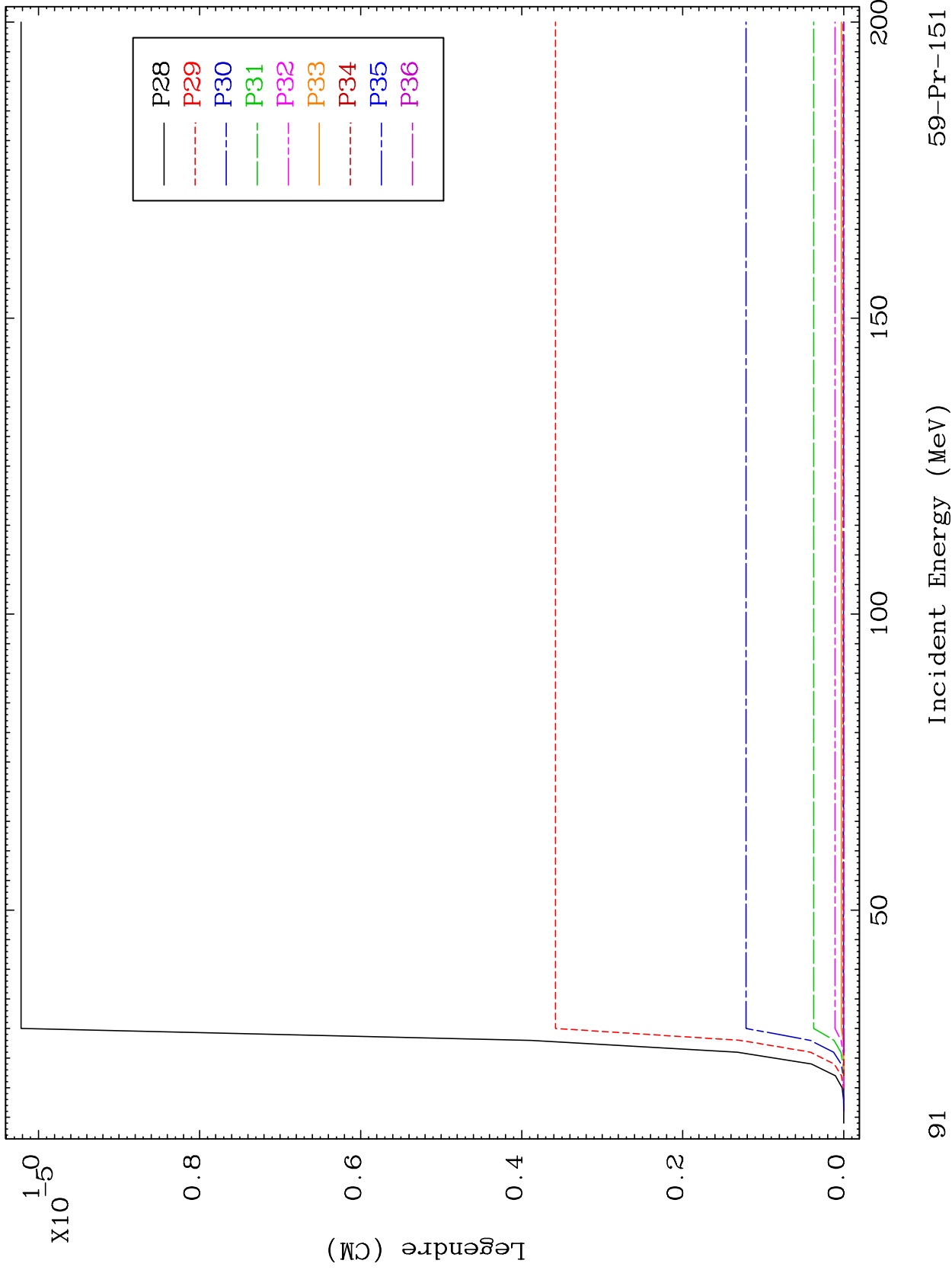
Incident Energy (MeV)

59-Pr-151

MAT 5955

834.7 keV (n, n') Level
Legendre Coefficients

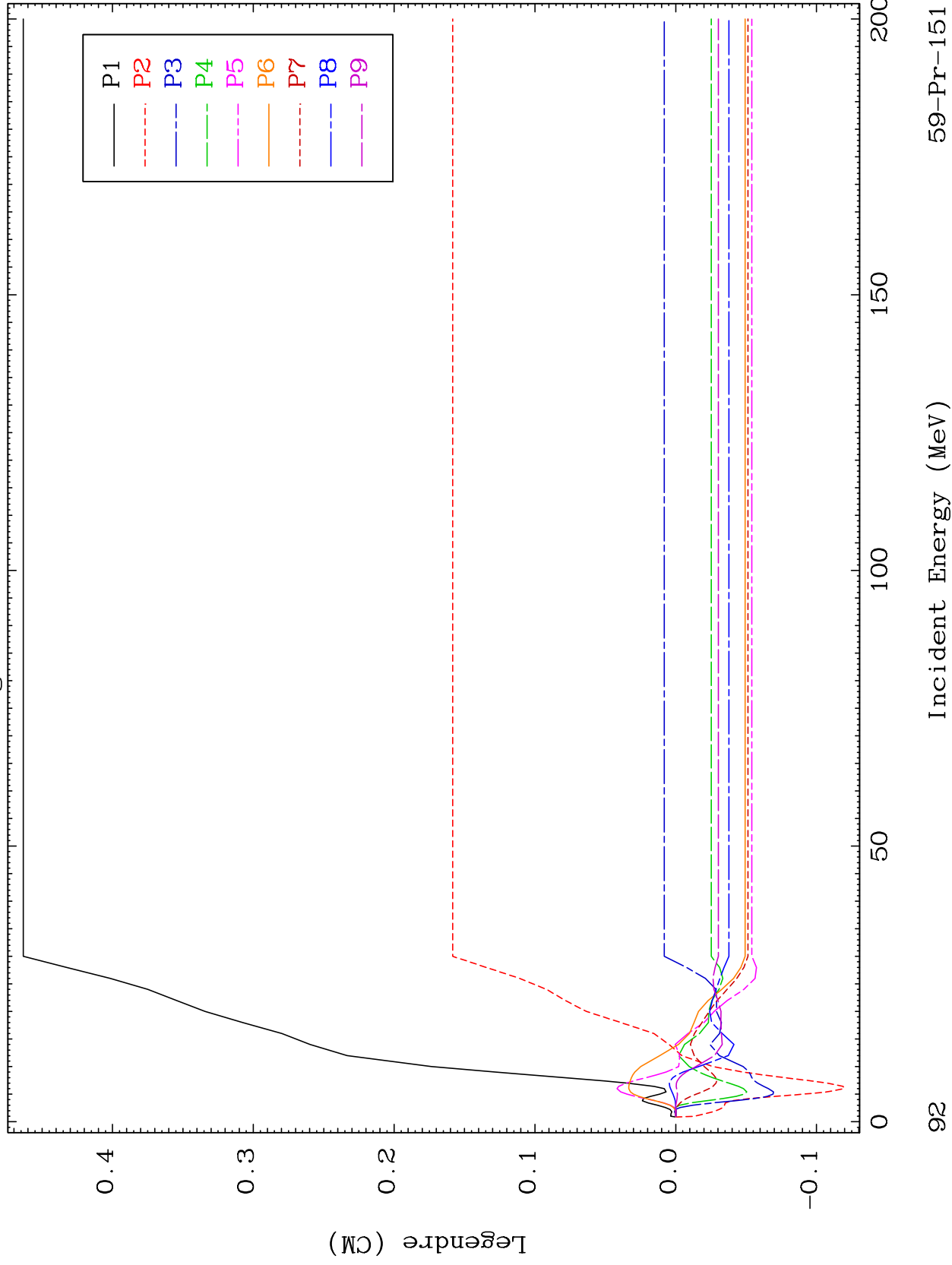
59-Pr-151



MAT 5955

839.6 keV (n,n') Level
Legendre Coefficients

59-Pr-151



59-Pr-151

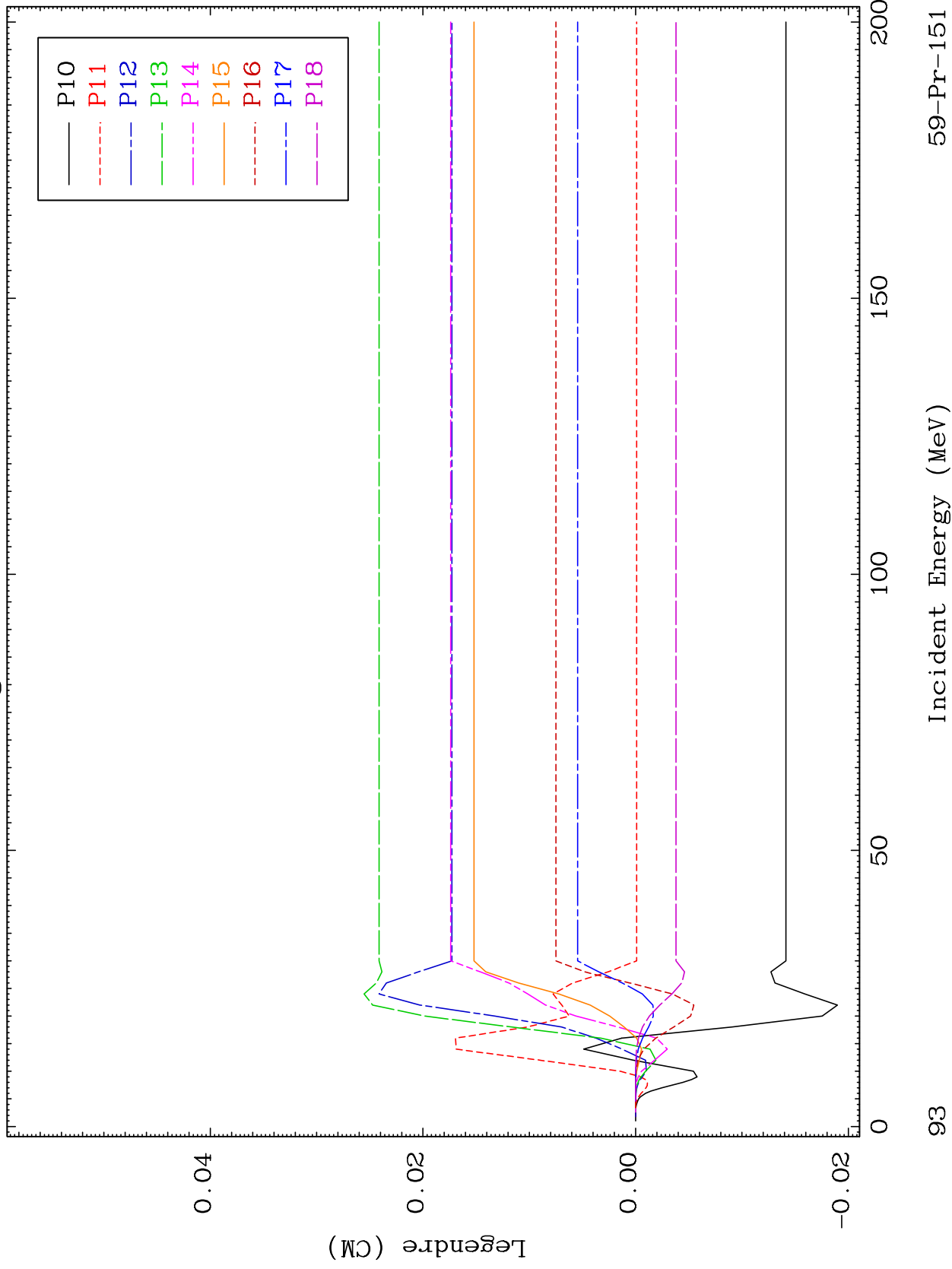
Incident Energy (MeV)

92

MAT 5955

839.6 keV (n,n') Level
Legendre Coefficients

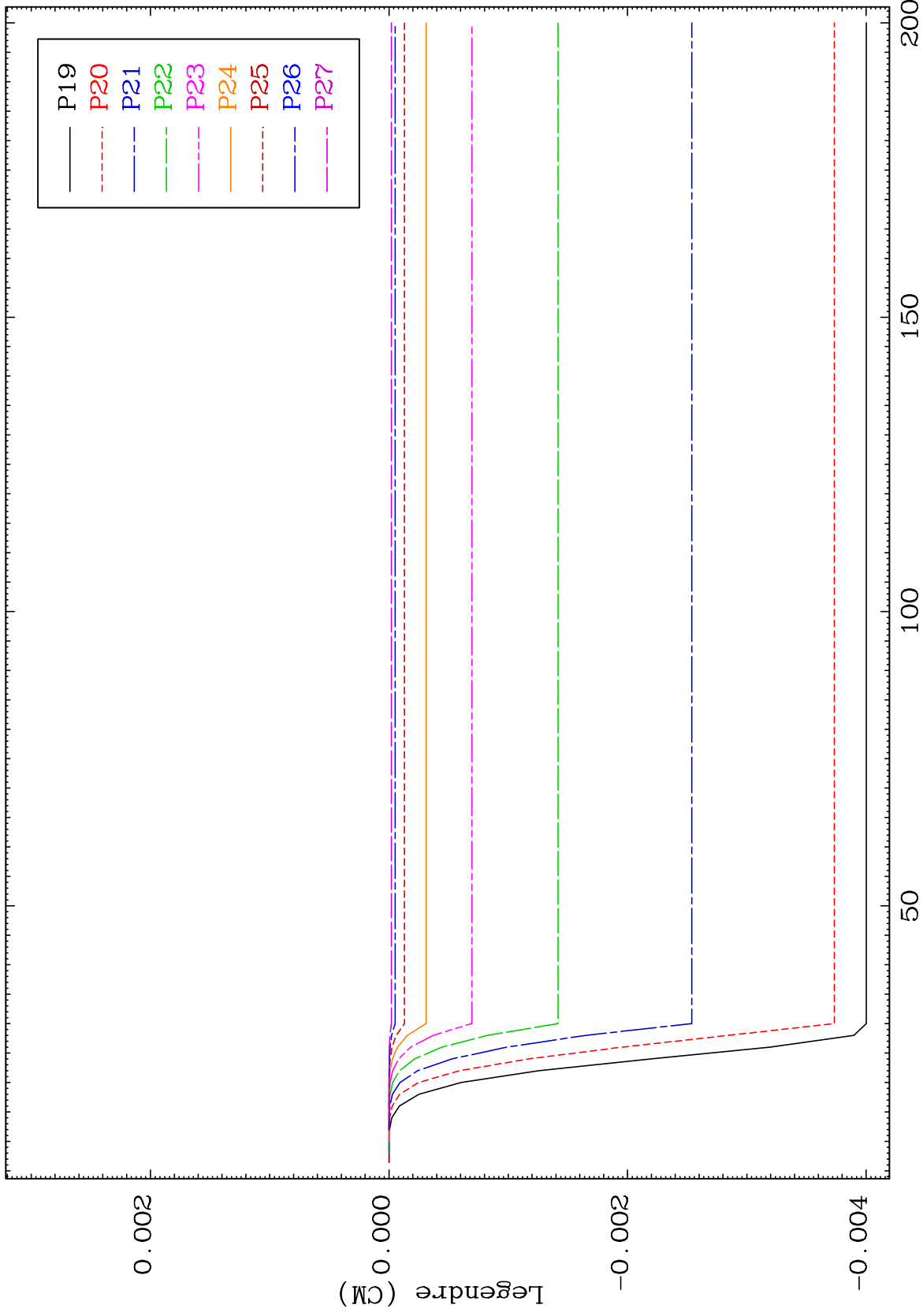
59-Pr-151

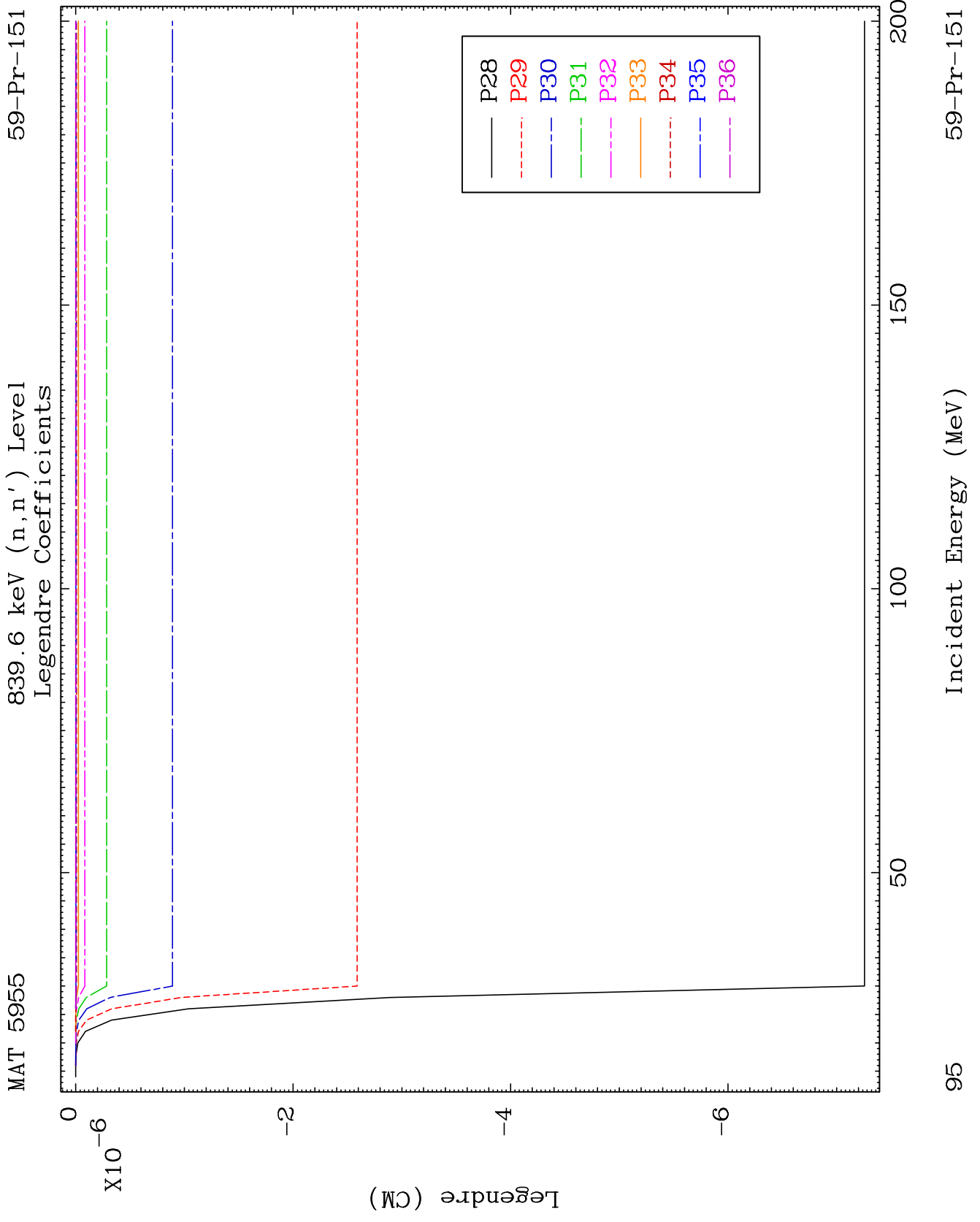


59-Pr-151

Incident Energy (MeV)

93

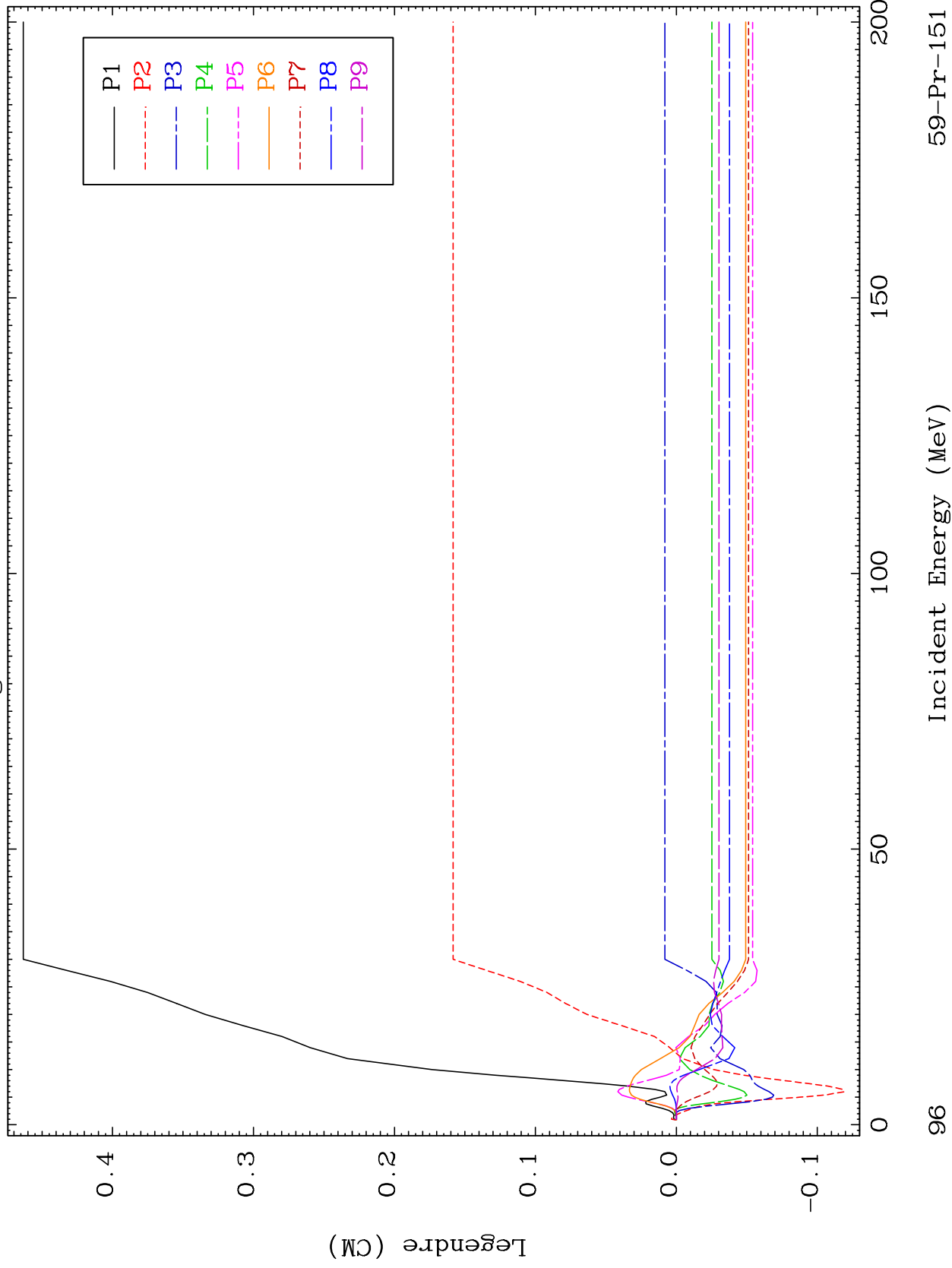




MAT 5955

845.3 keV (n,n') Level
Legendre Coefficients

59-Pr-151

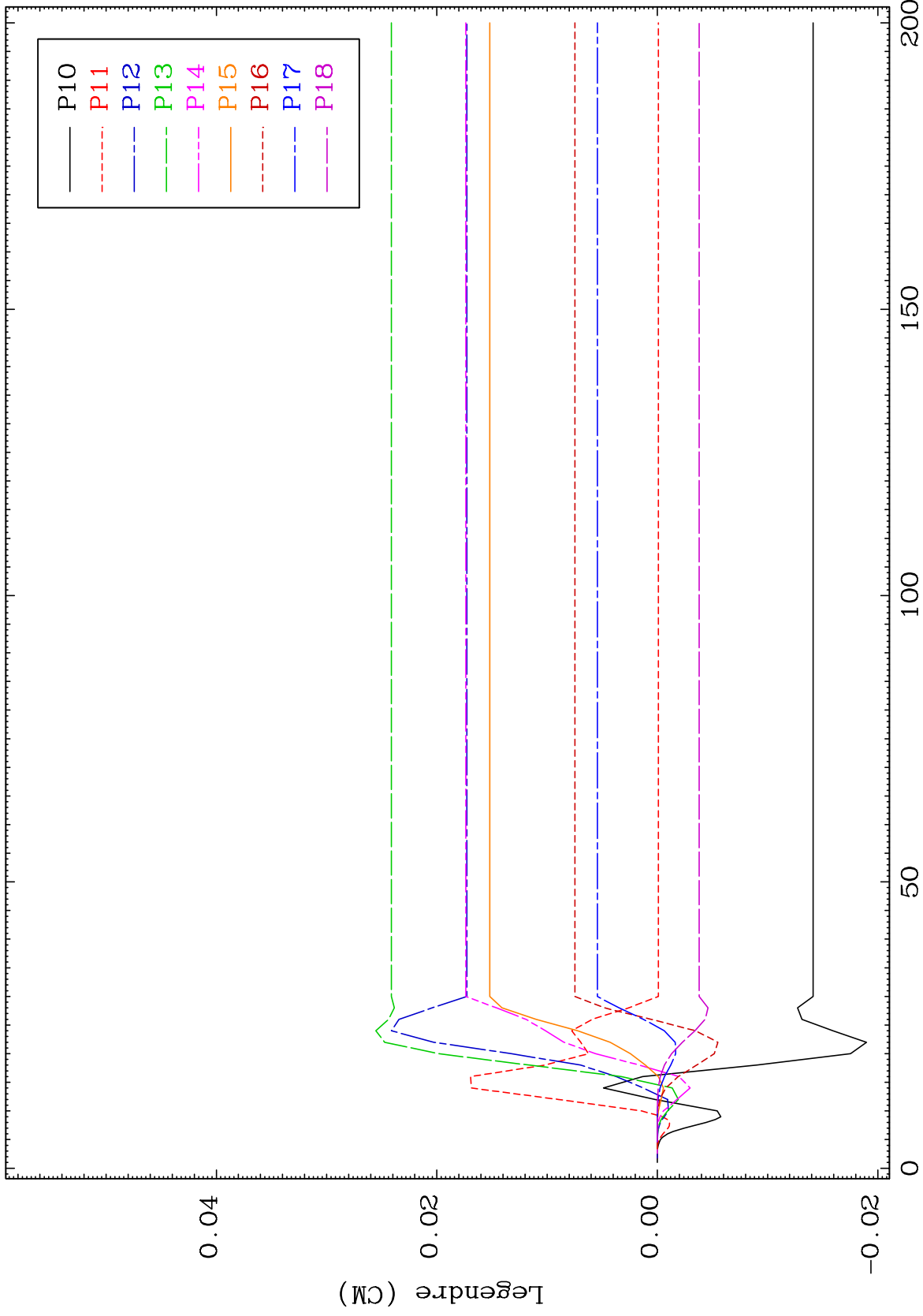


59-Pr-151

MAT 5955

845.3 keV (n,n') Level
Legendre Coefficients

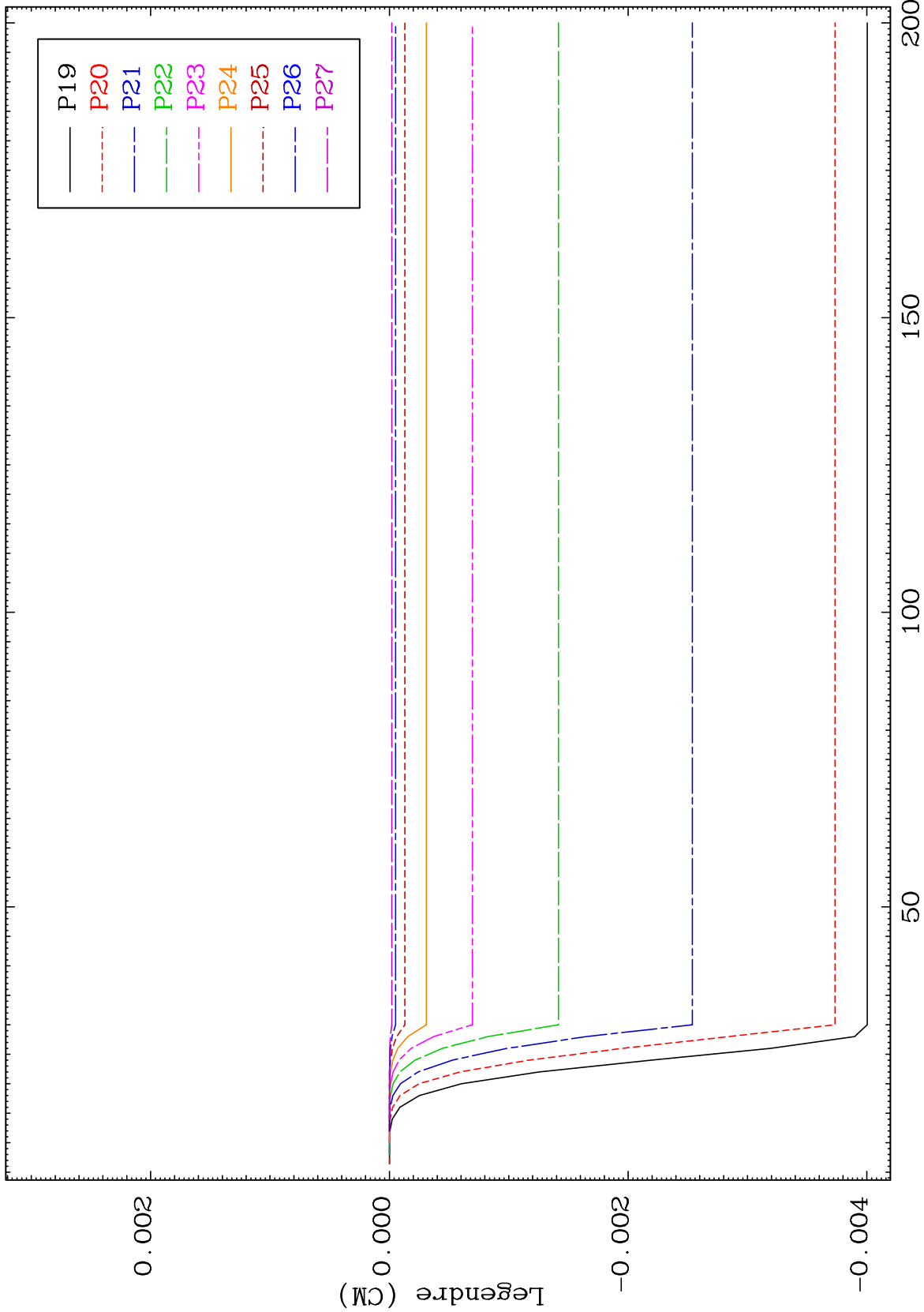
59-Pr-151

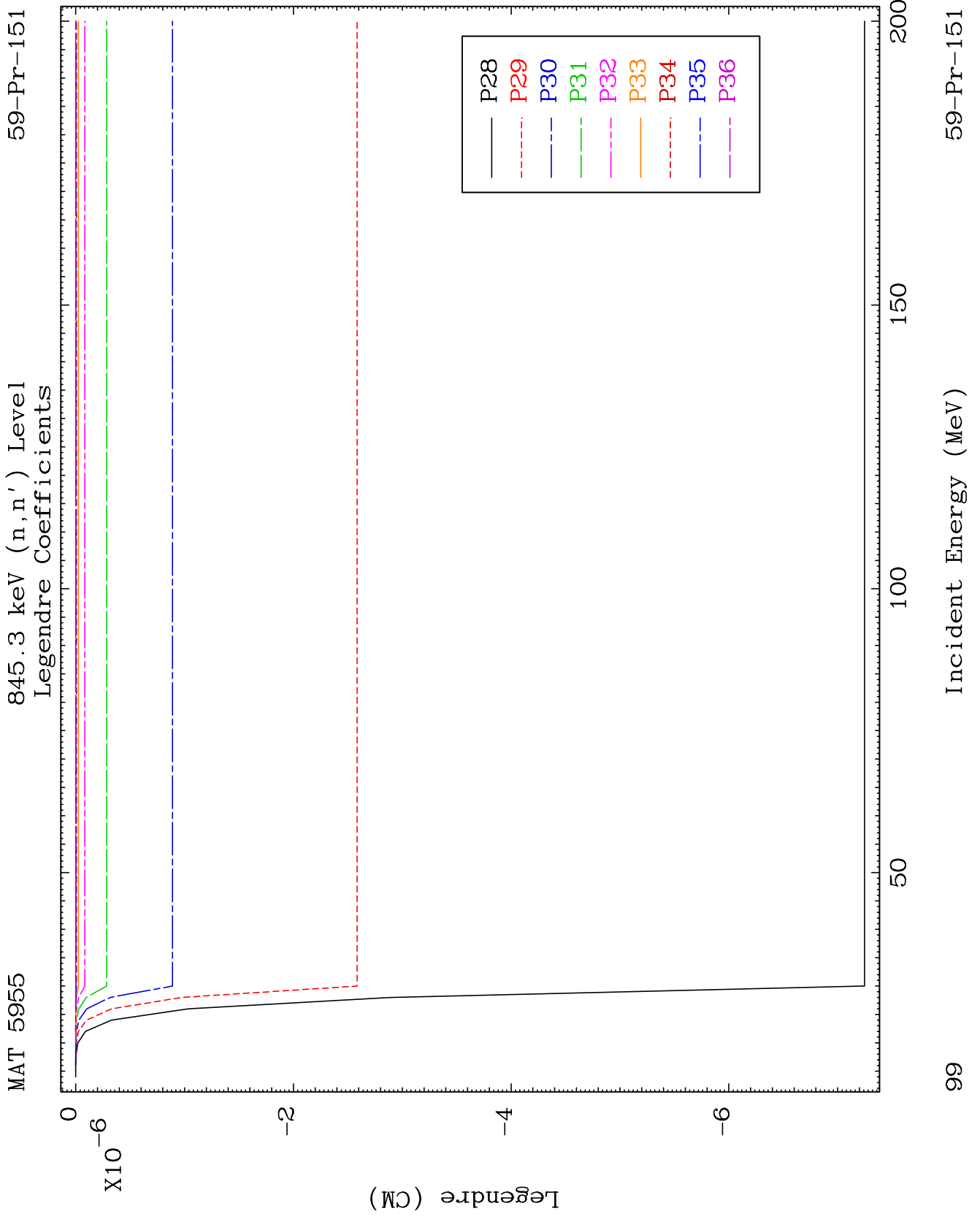


97

Incident Energy (MeV)

59-Pr-151

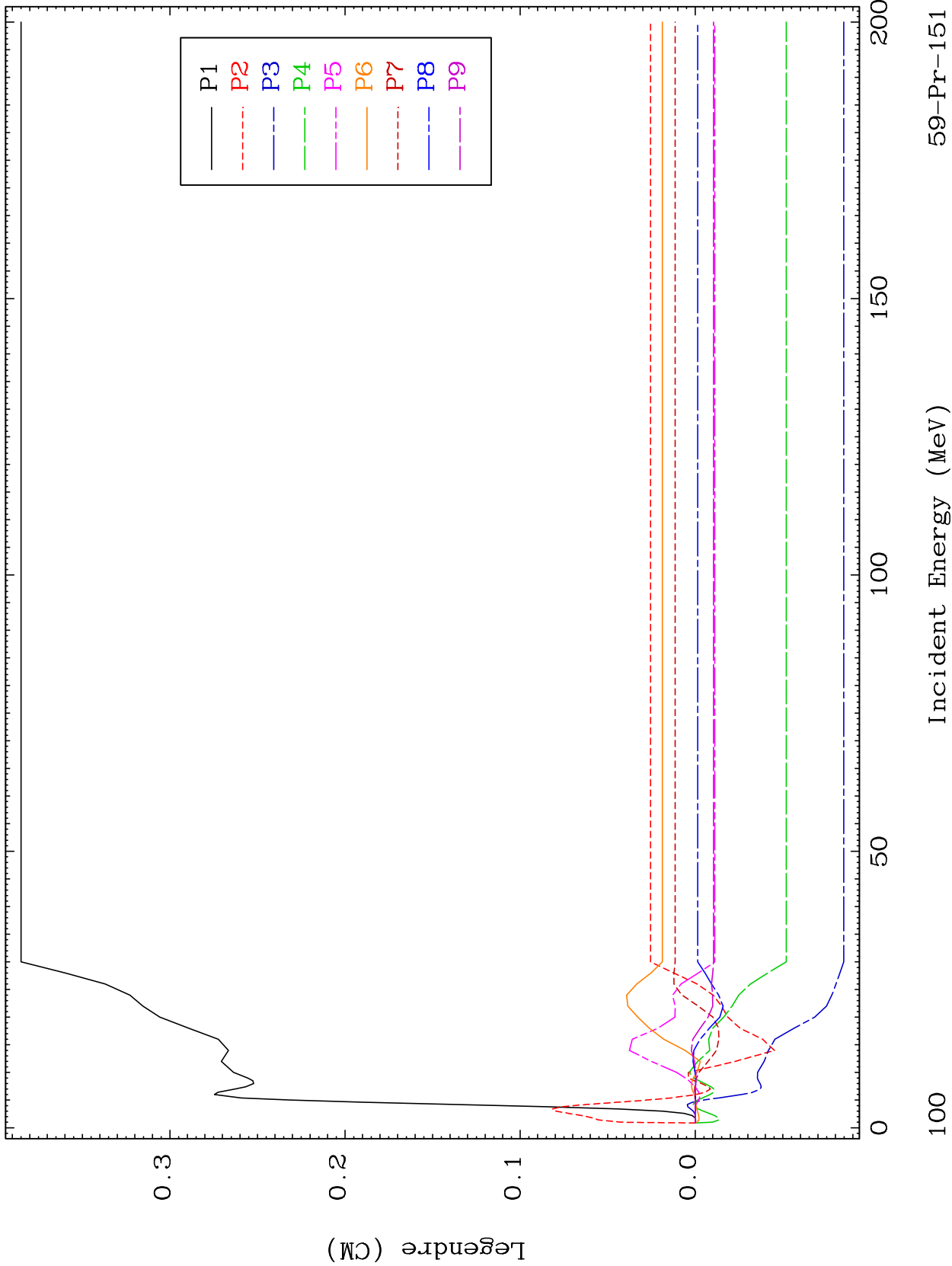




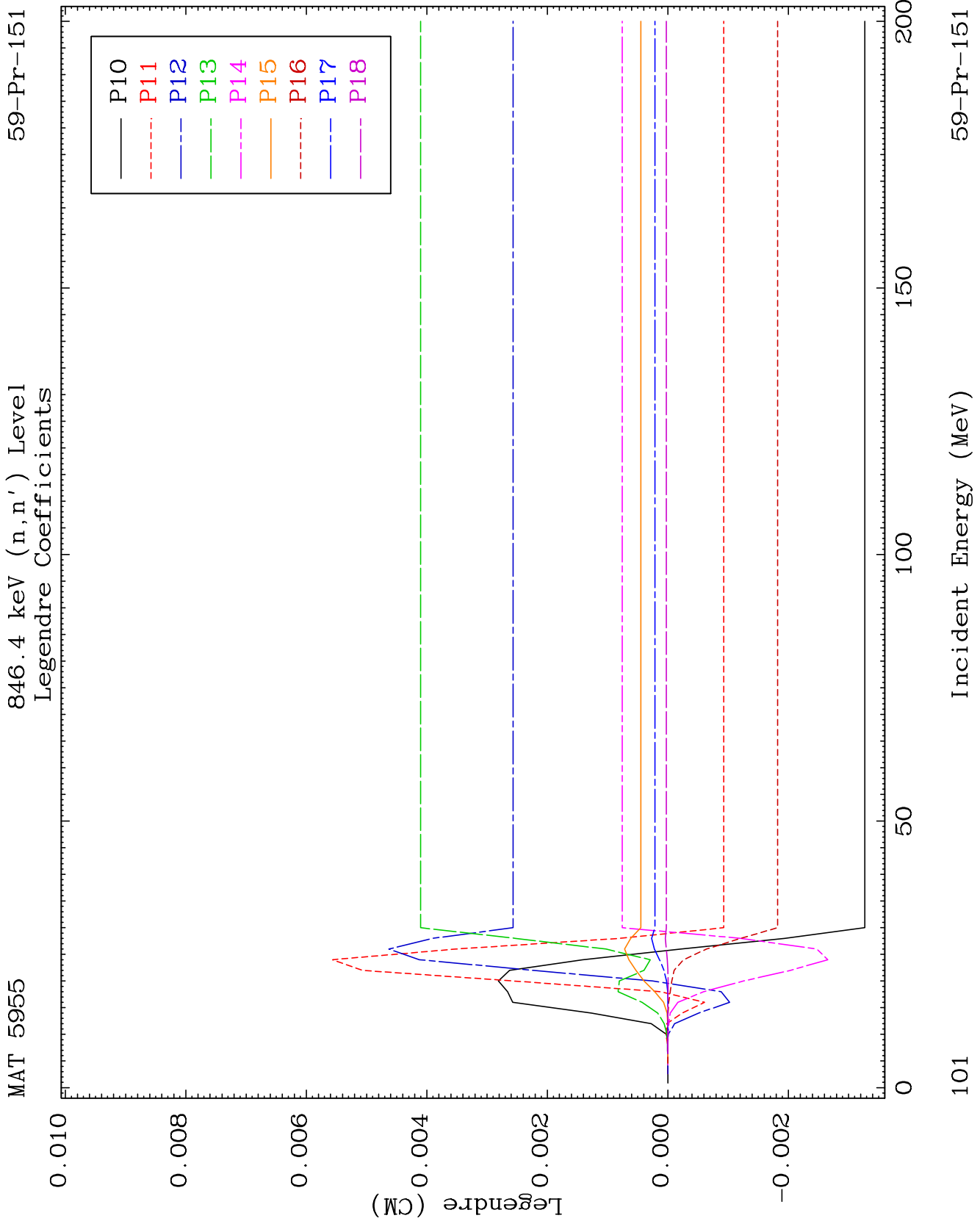
MAT 5955

846.4 keV (n,n') Level
Legendre Coefficients

59-Pr-151



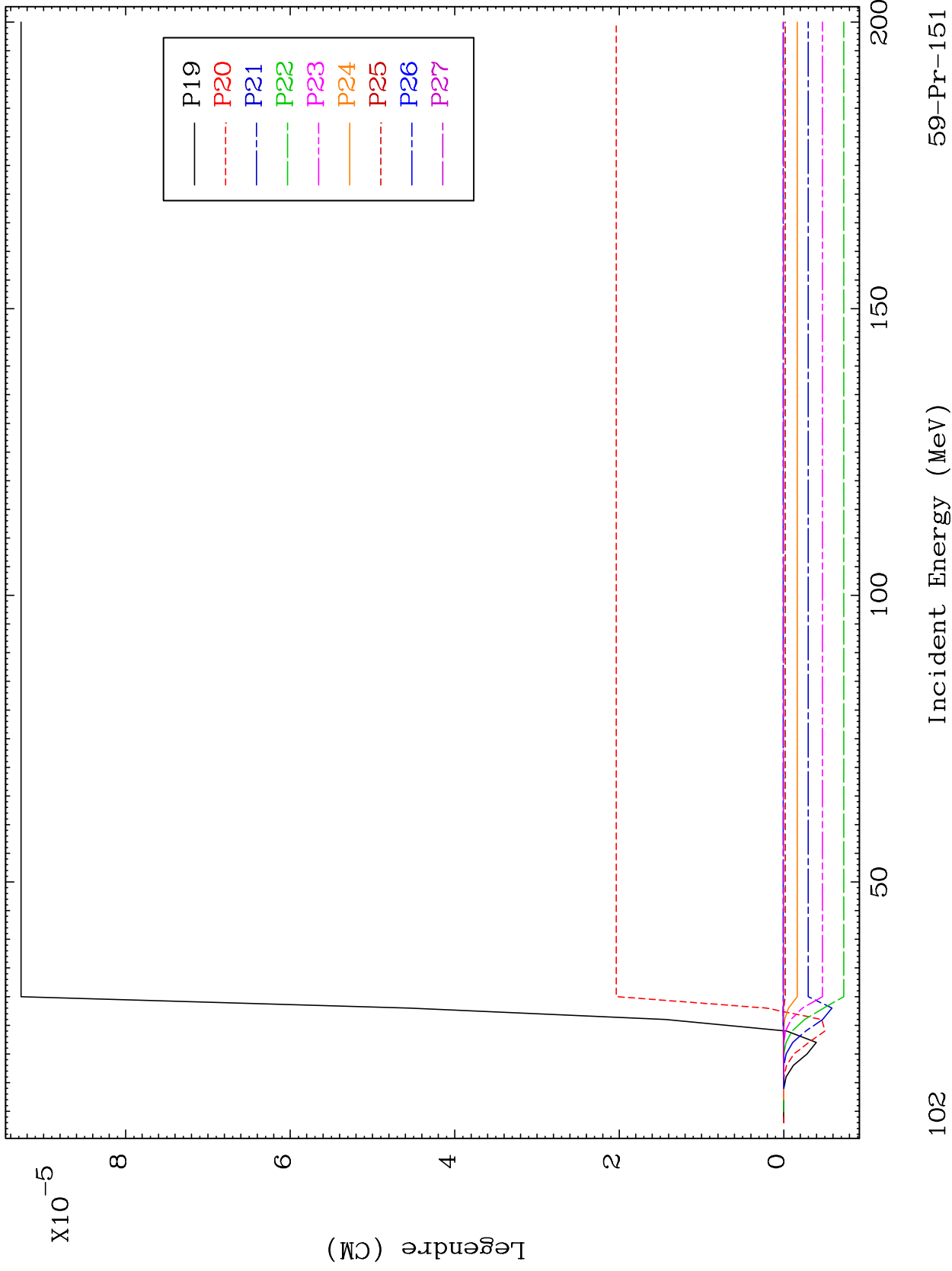
59-Pr-151



MAT 5955

846.4 keV (n,n') Level
Legendre Coefficients

59-Pr-151

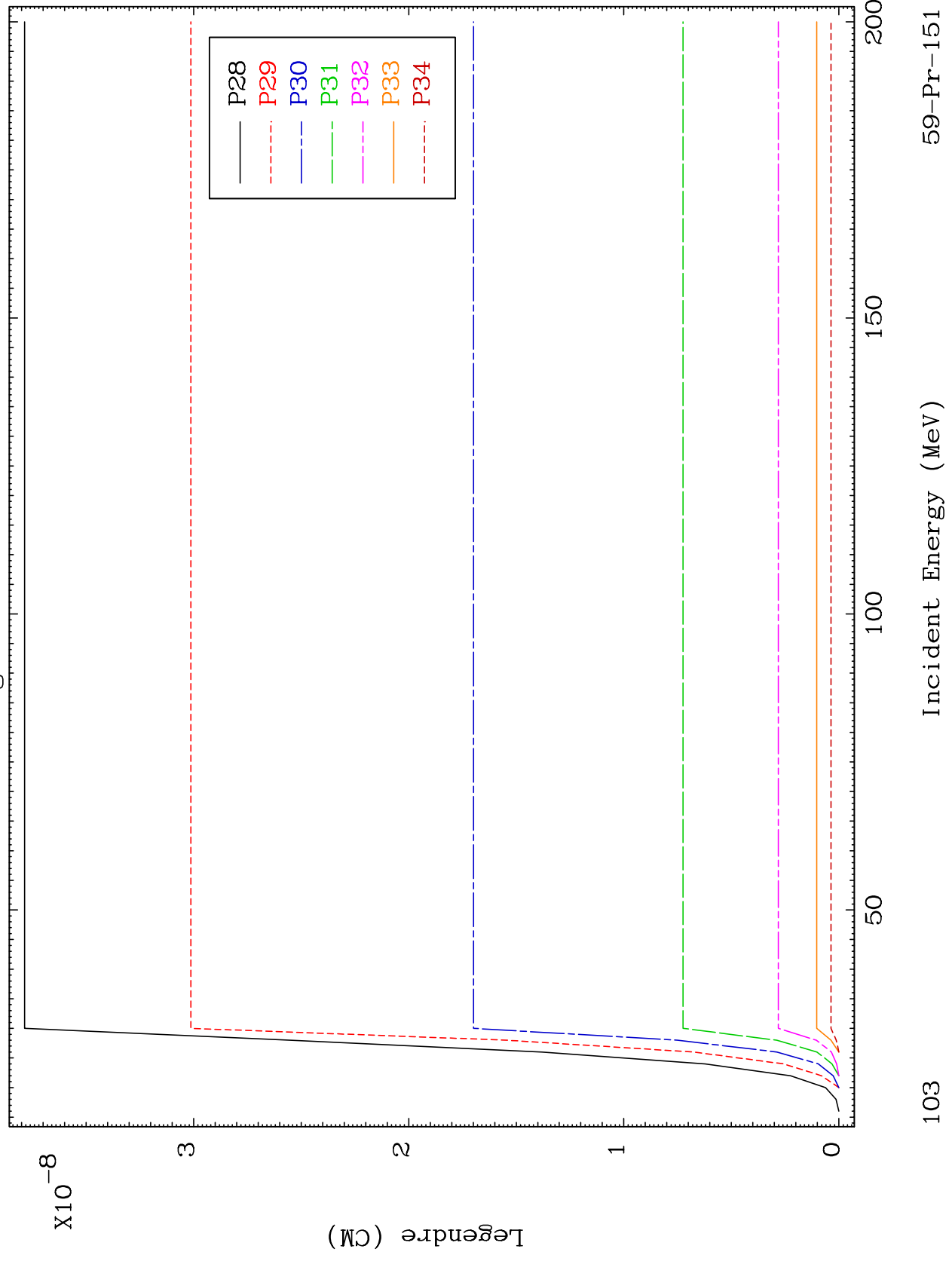


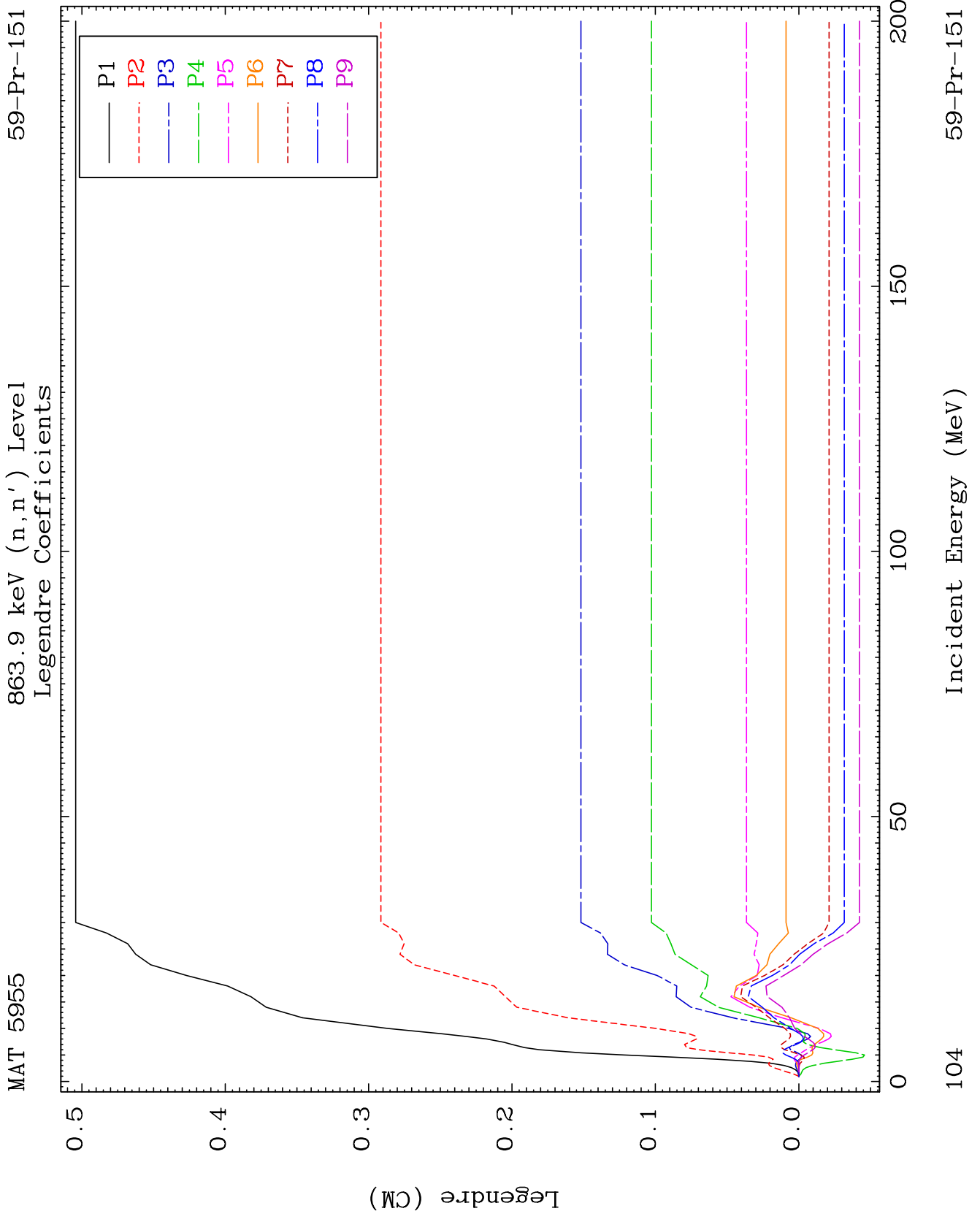
102

MAT 5955

846.4 keV (n,n') Level
Legendre Coefficients

59-Pr-151

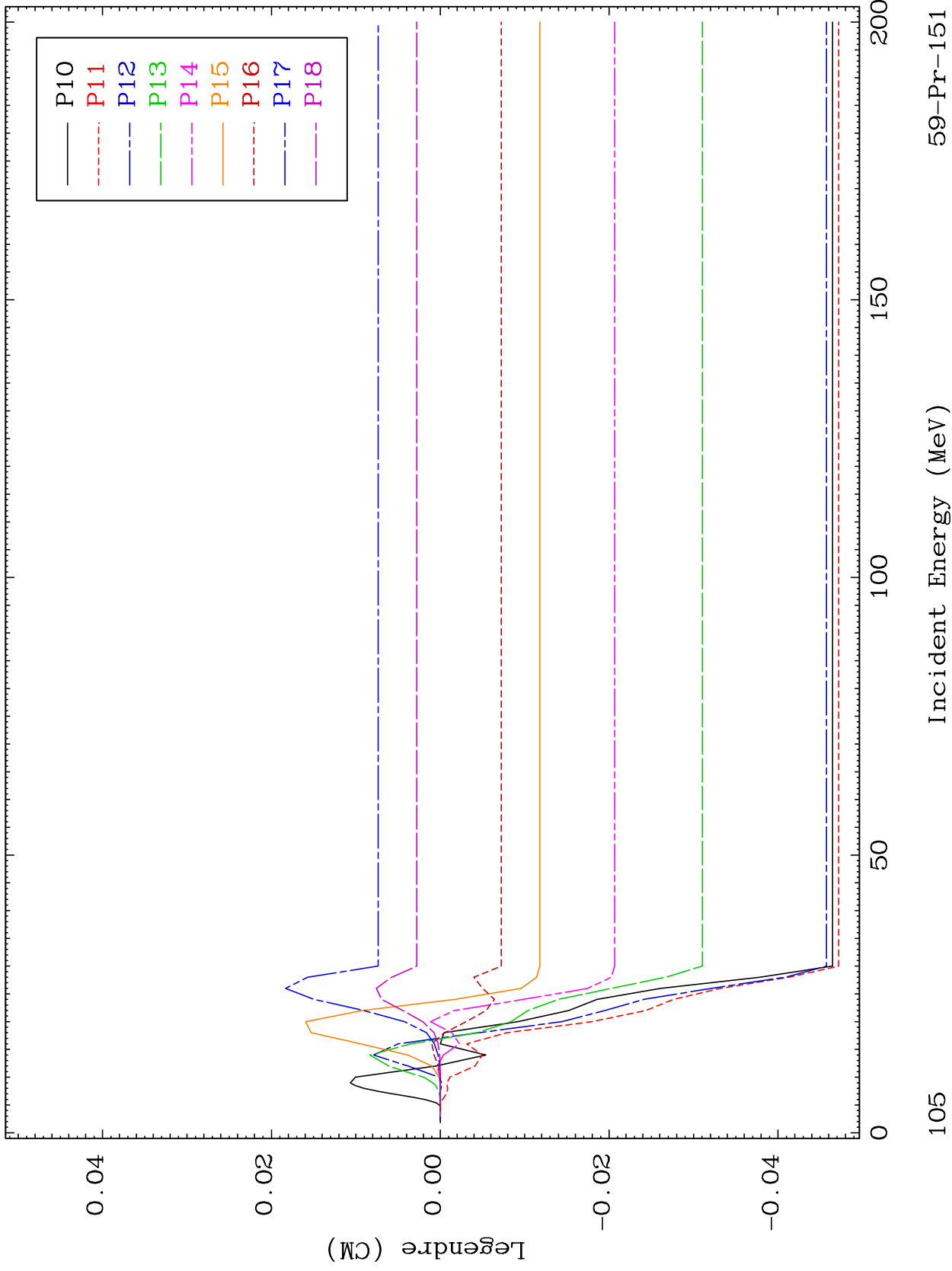




MAT 5955

863.9 keV (n,n') Level
Legendre Coefficients

59-Pr-151



59-Pr-151

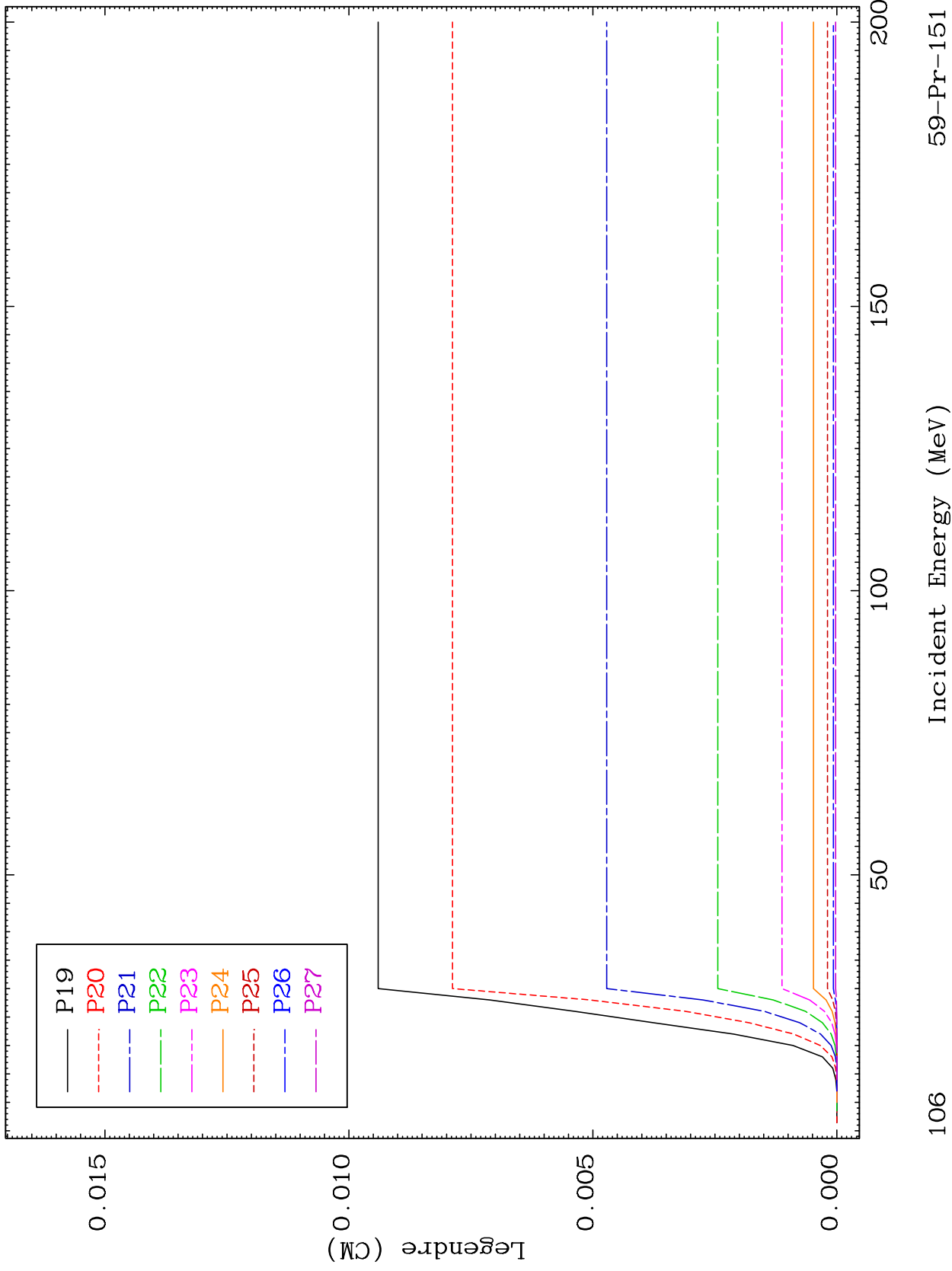
Incident Energy (MeV)

105

MAT 5955

863.9 keV (n,n') Level
Legendre Coefficients

59-Pr-151



106

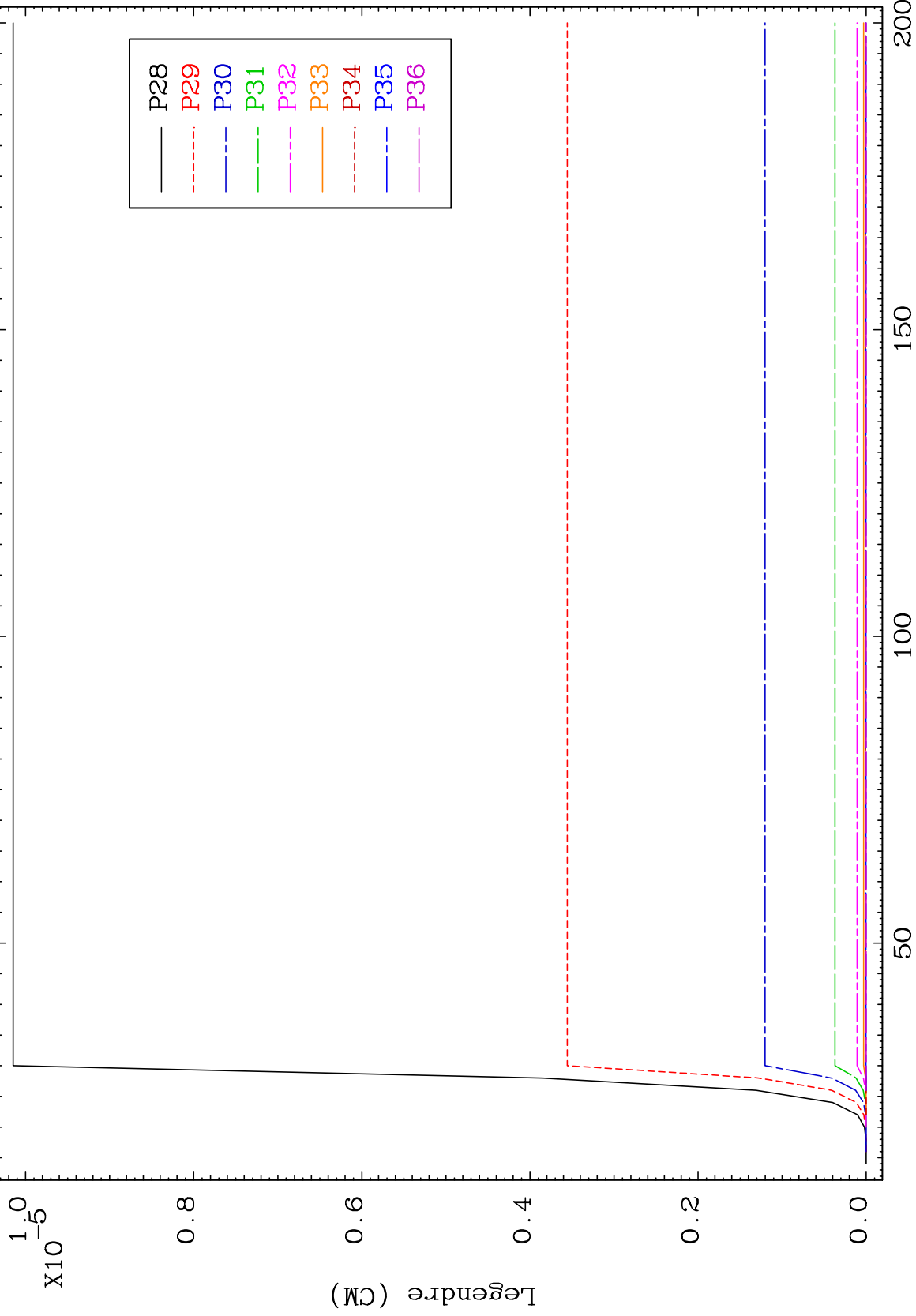
Incident Energy (MeV)

59-Pr-151

MAT 5955

863.9 keV (n,n') Level
Legendre Coefficients

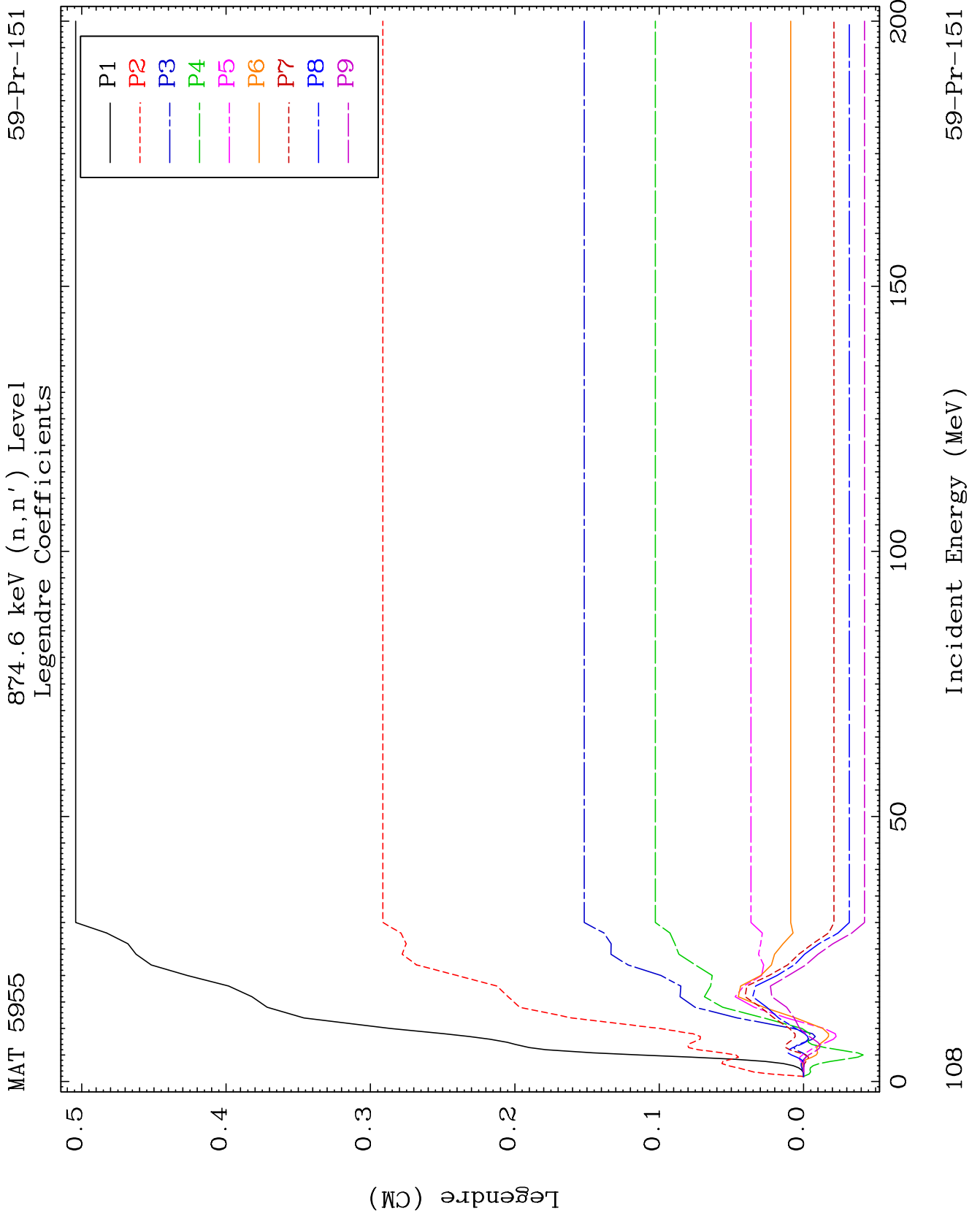
59-Pr-151



107

Incident Energy (MeV)

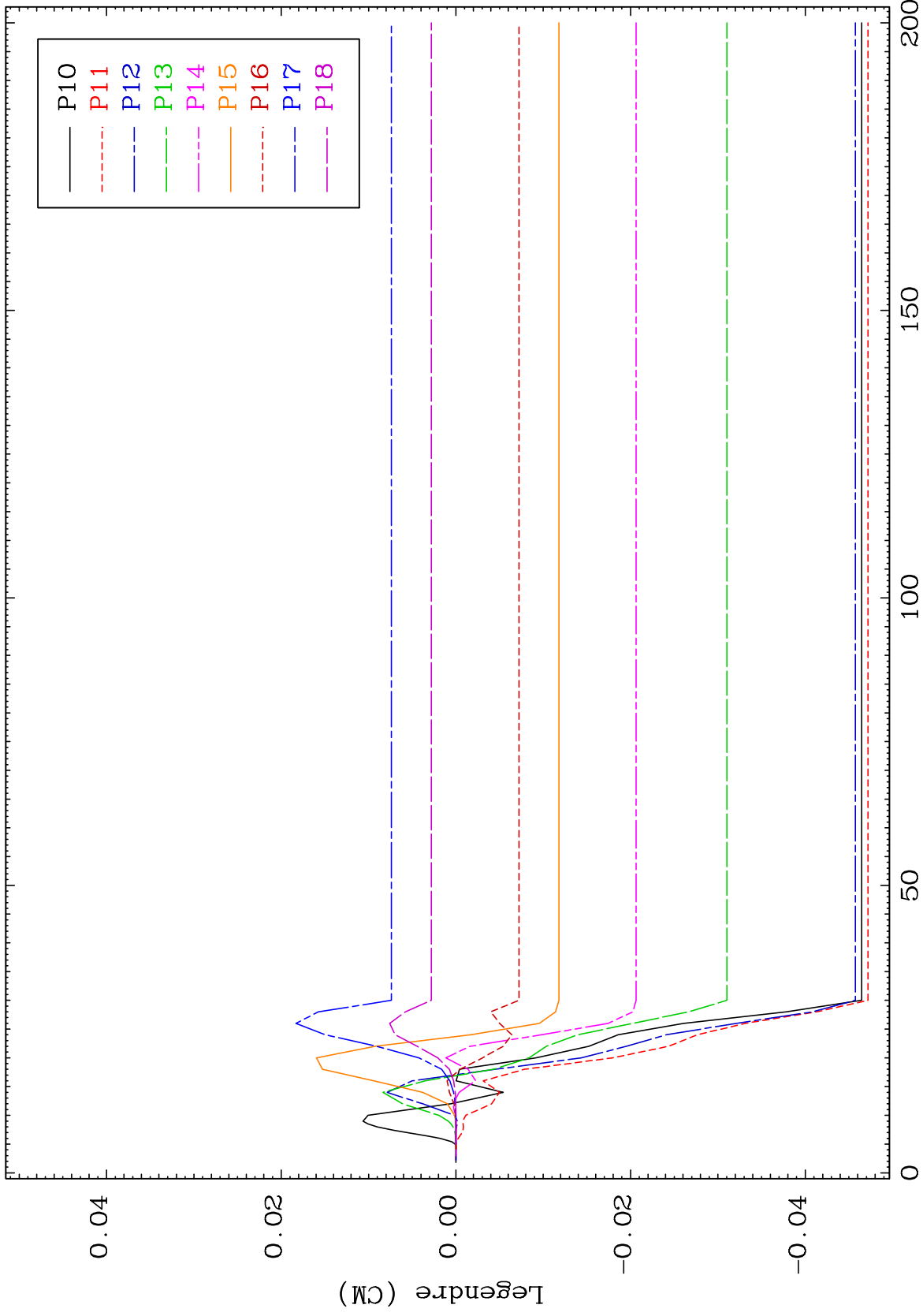
59-Pr-151



MAT 5955

874.6 keV (n,n') Level
Legendre Coefficients

59-Pr-151



109

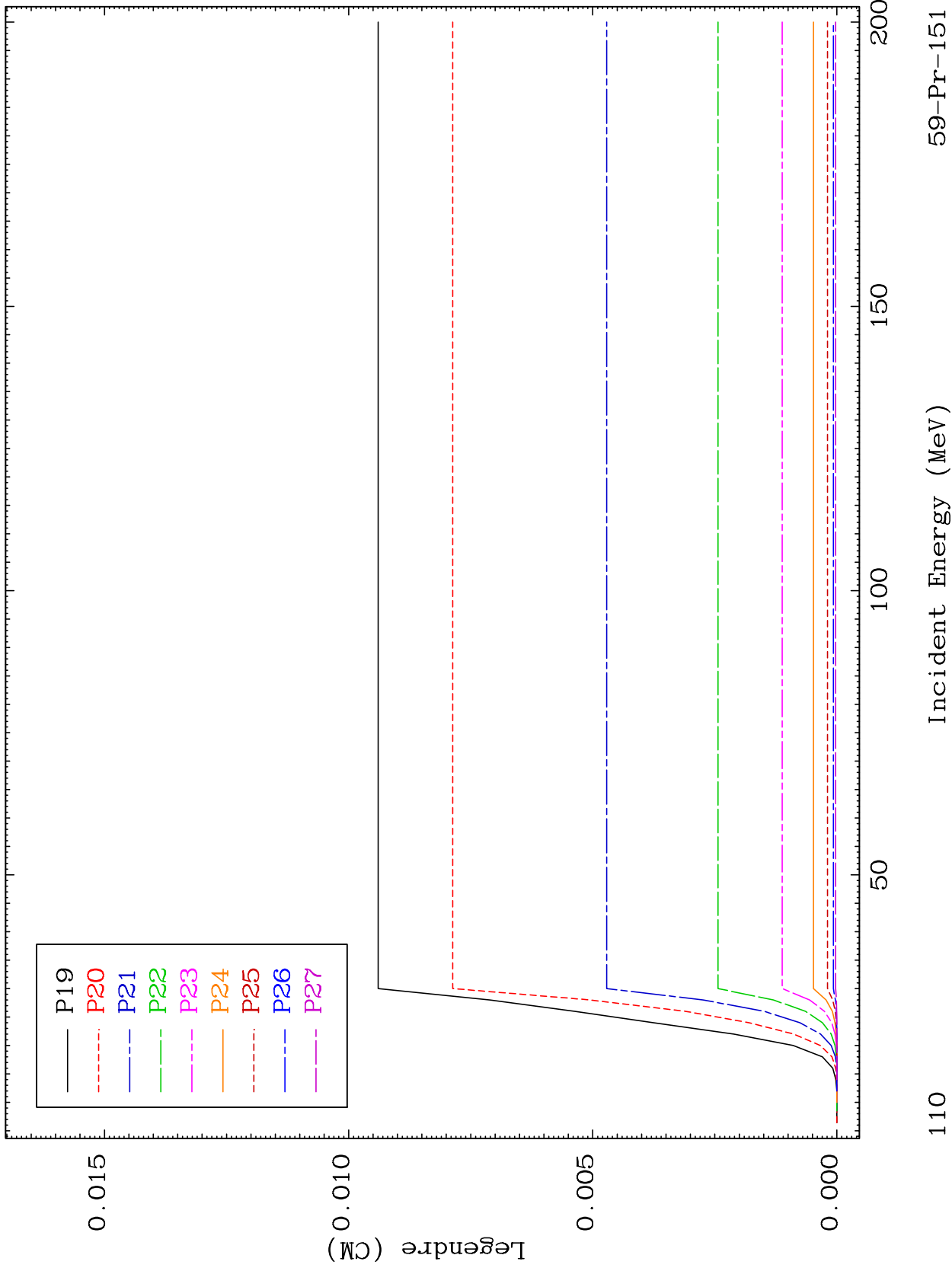
Incident Energy (MeV)

59-Pr-151

MAT 5955

874.6 keV (n,n') Level
Legendre Coefficients

59-Pr-151



110

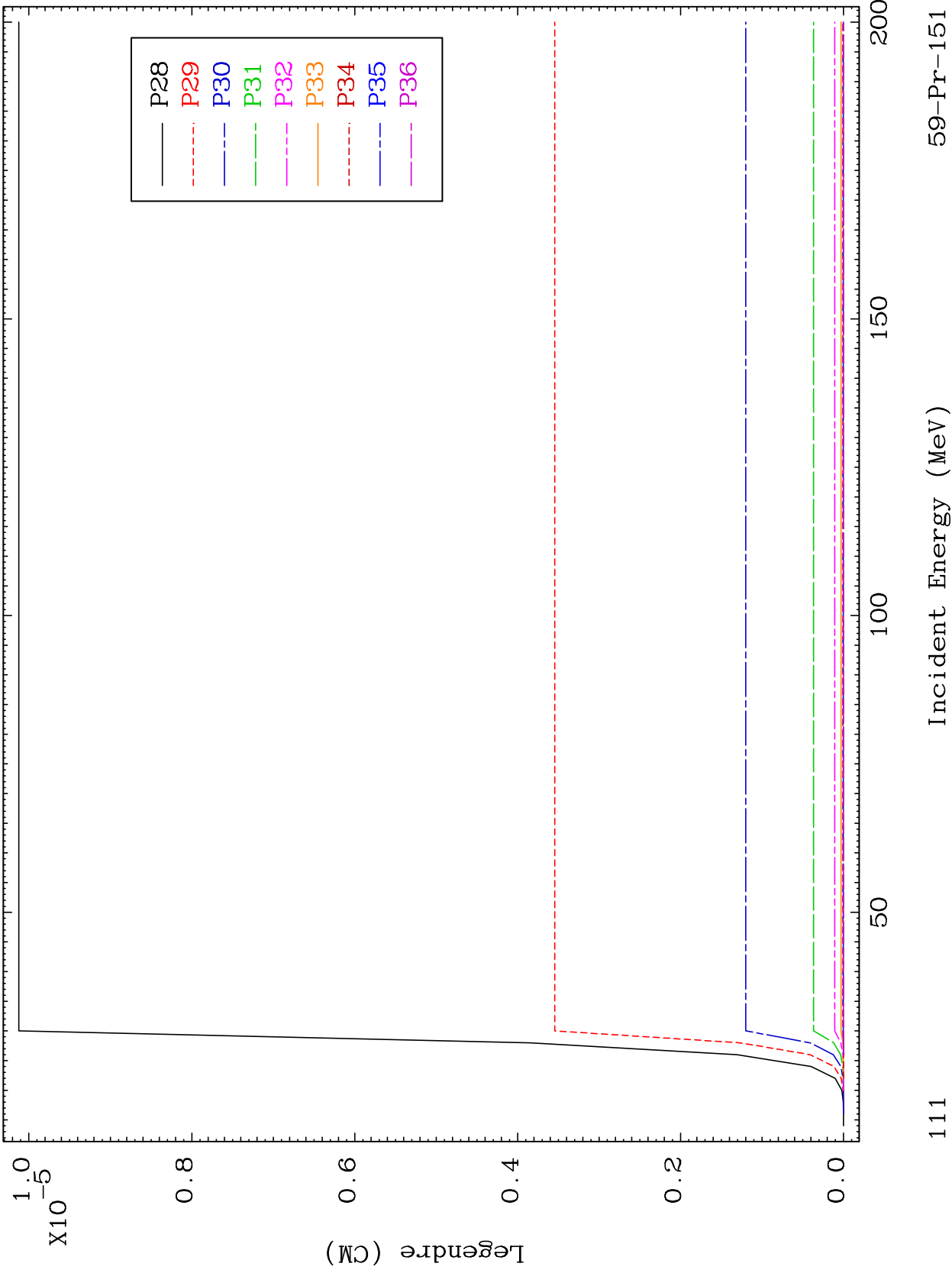
Incident Energy (MeV)

59-Pr-151

MAT 5955

874.6 keV (n,n') Level
Legendre Coefficients

59-Pr-151



111

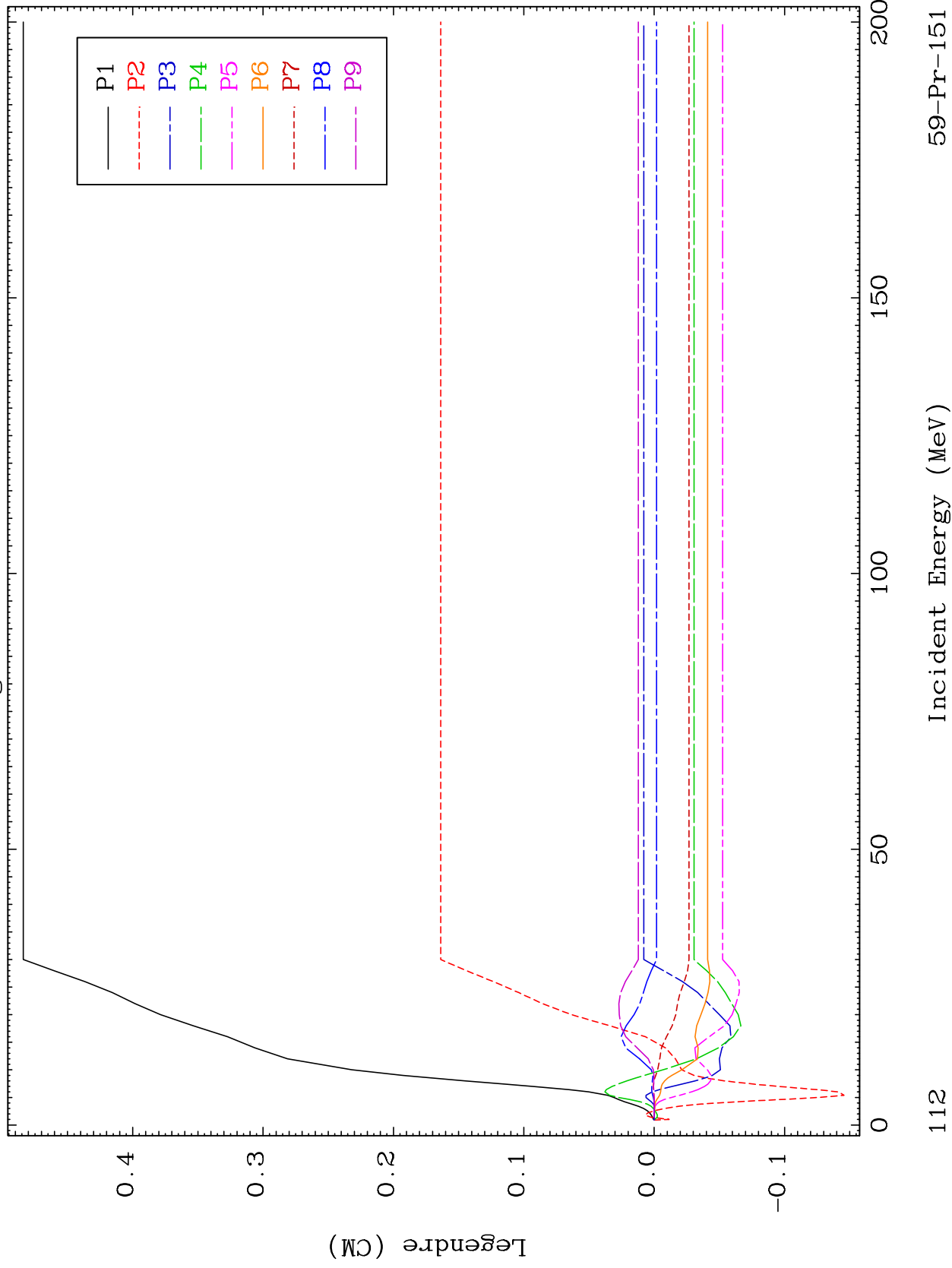
Incident Energy (MeV)

59-Pr-151

MAT 5955

884.8 keV (n,n') Level
Legendre Coefficients

59-Pr-151



59-Pr-151

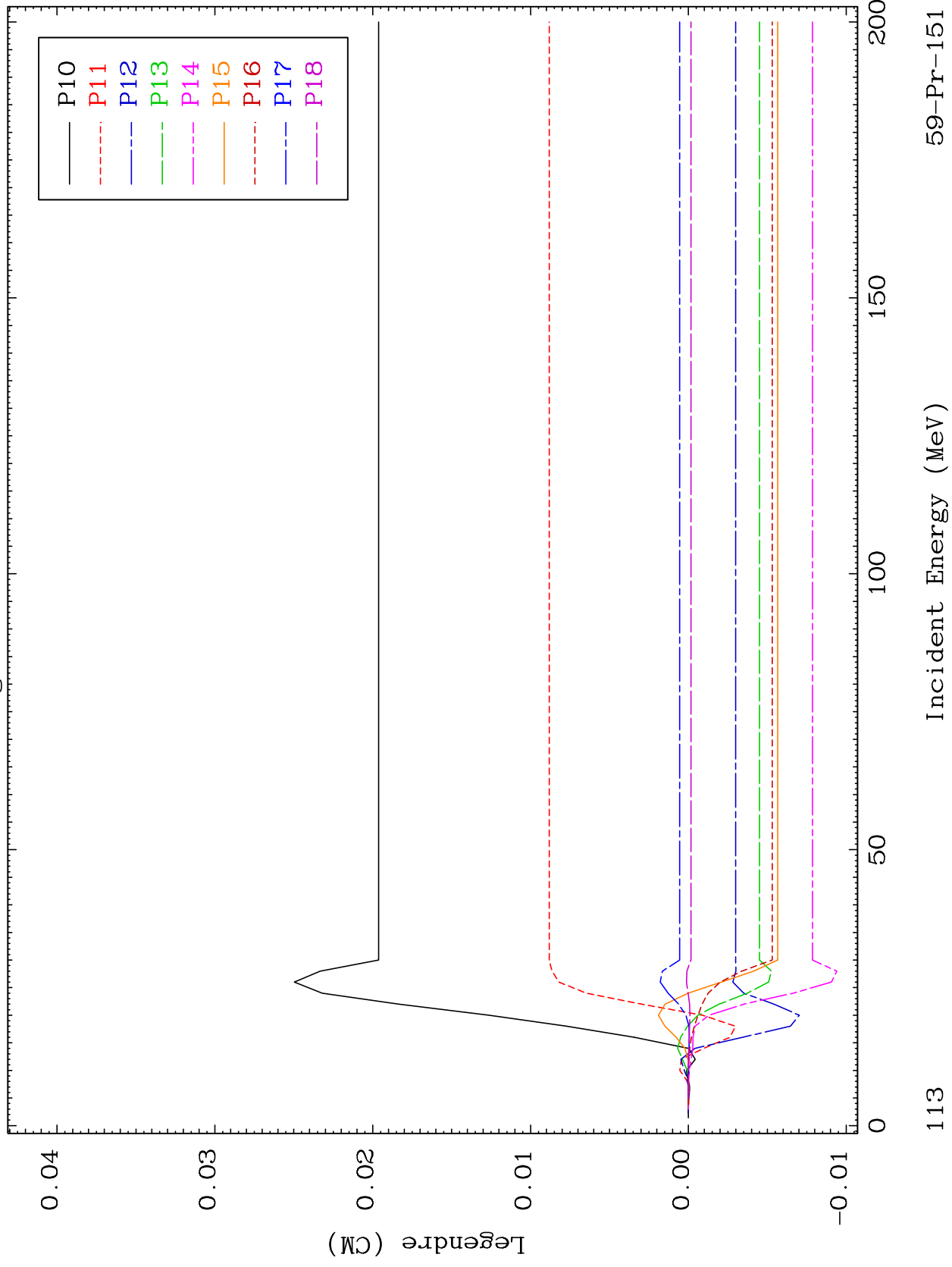
Incident Energy (MeV)

112

MAT 5955

884.8 keV (n,n') Level
Legendre Coefficients

59-Pr-151



59-Pr-151

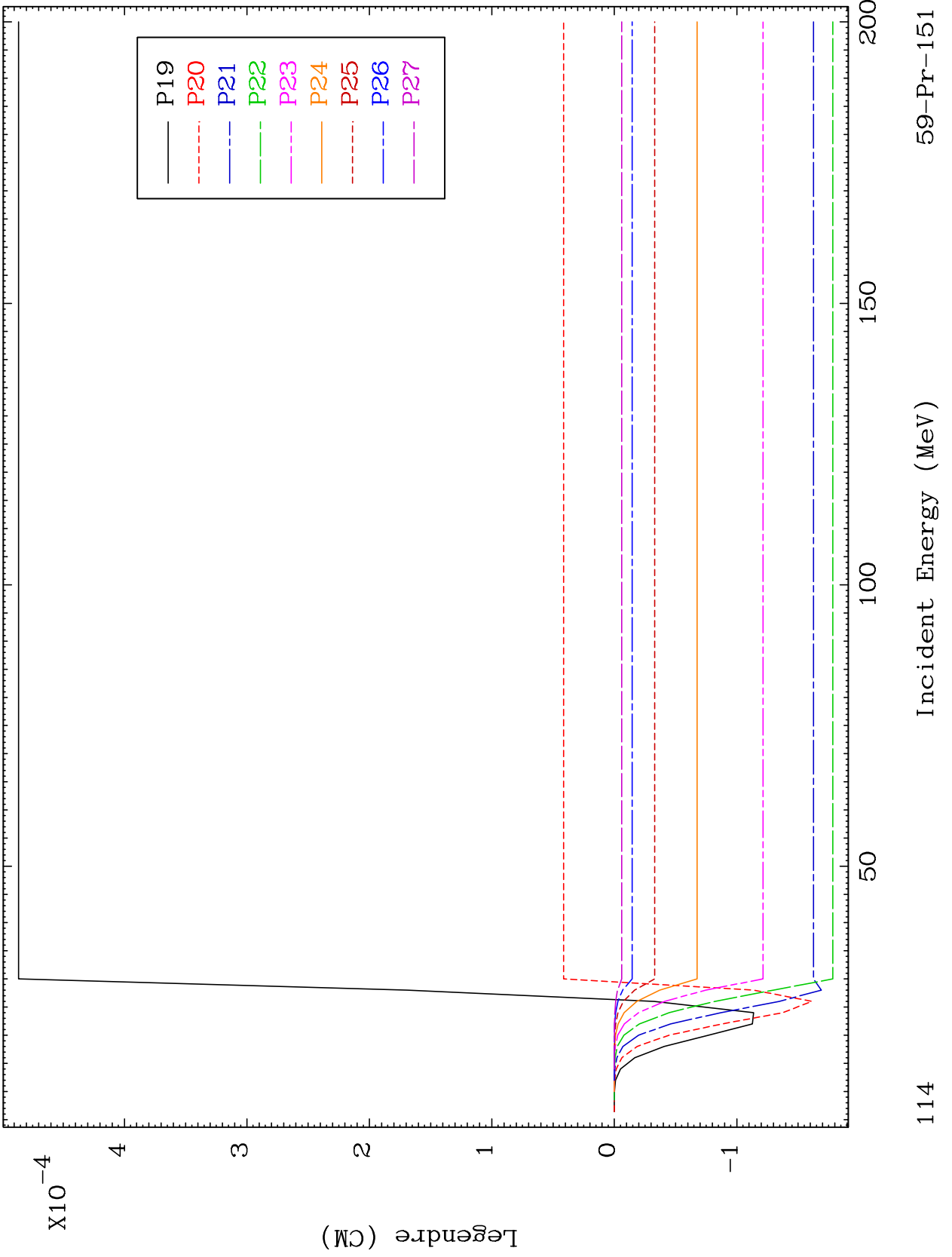
Incident Energy (MeV)

113

MAT 5955

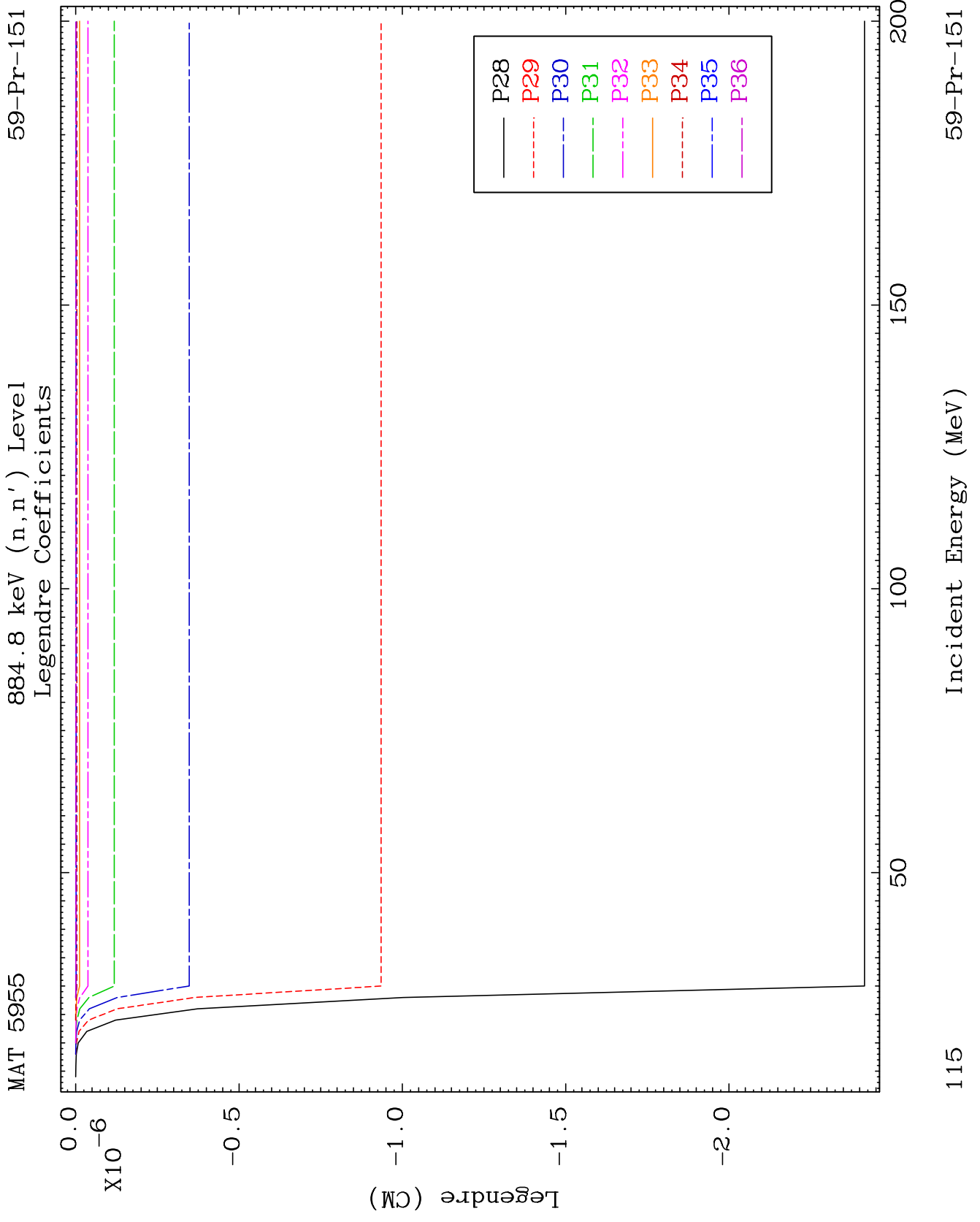
884.8 keV (n, n') Level
Legendre Coefficients

59-Pr-151



114

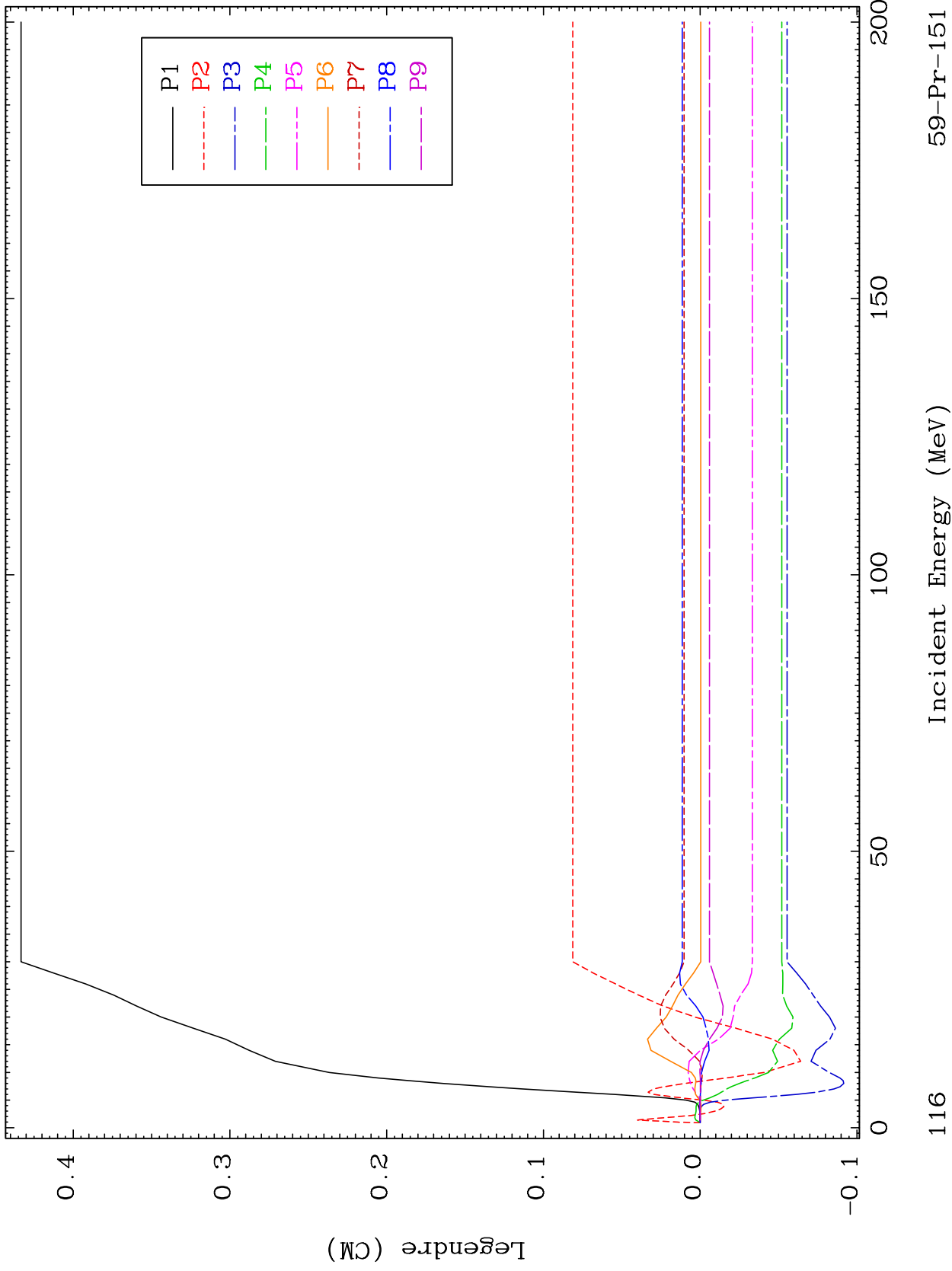
59-Pr-151



MAT 5955

888.0 keV (n,n') Level
Legendre Coefficients

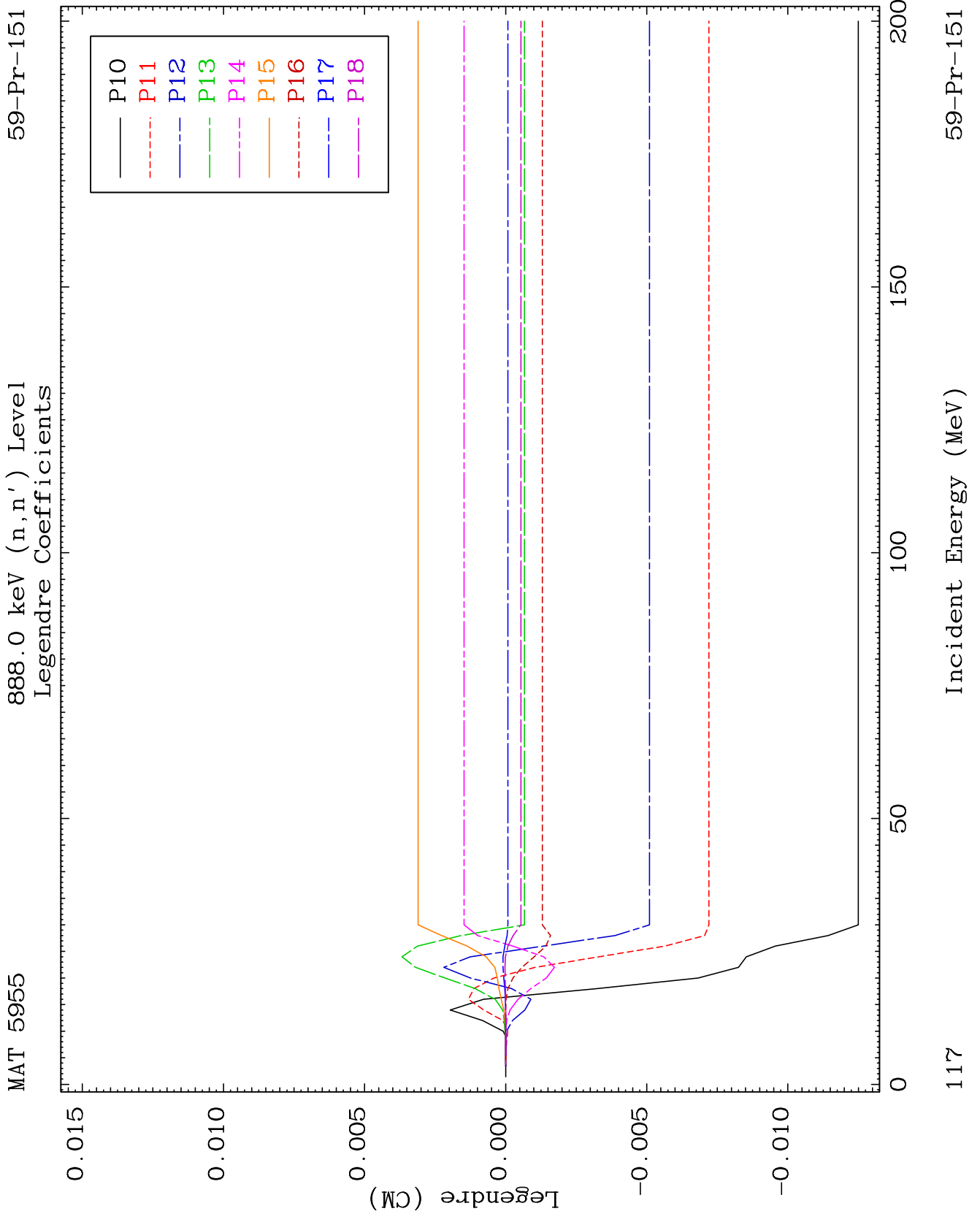
59-Pr-151

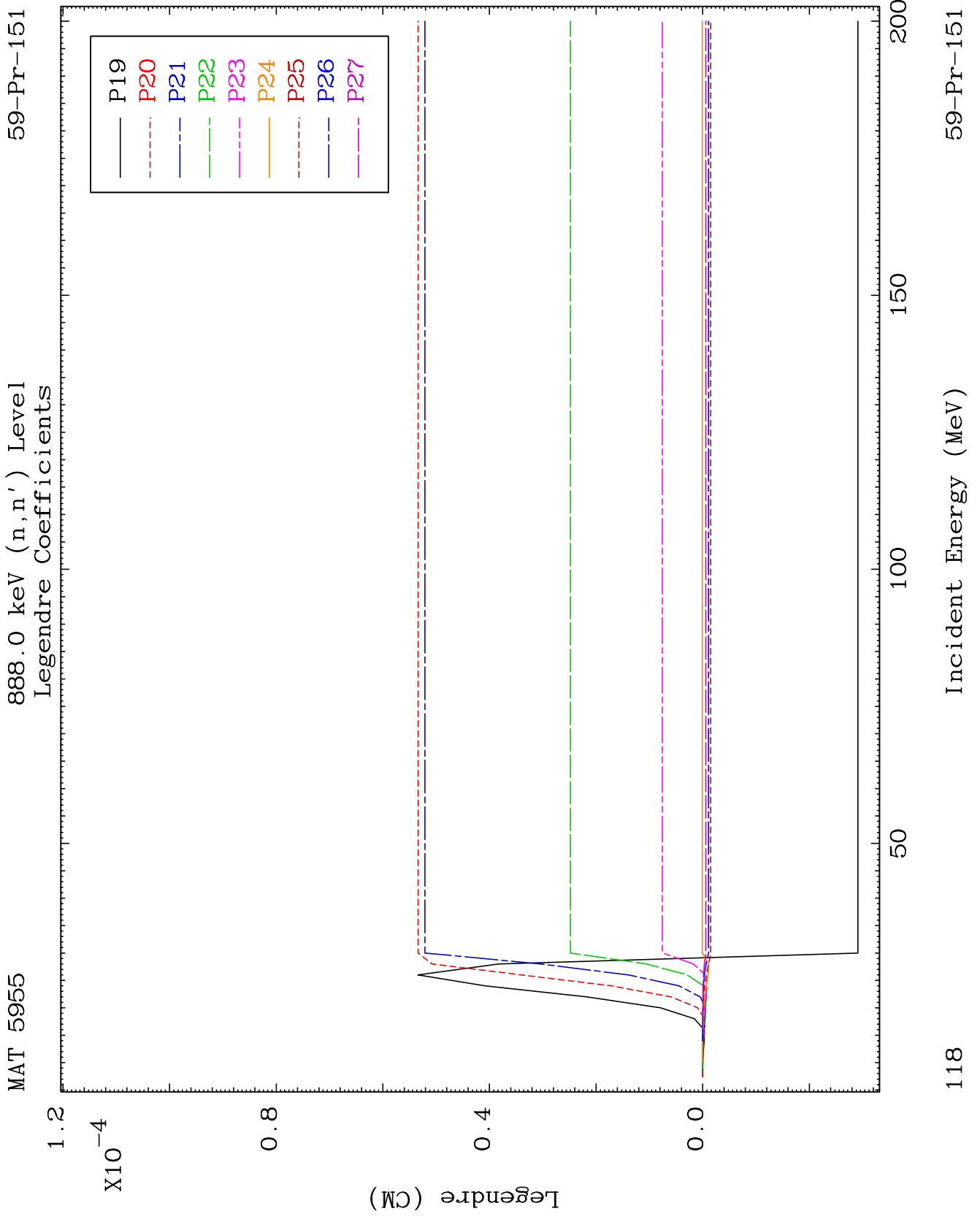


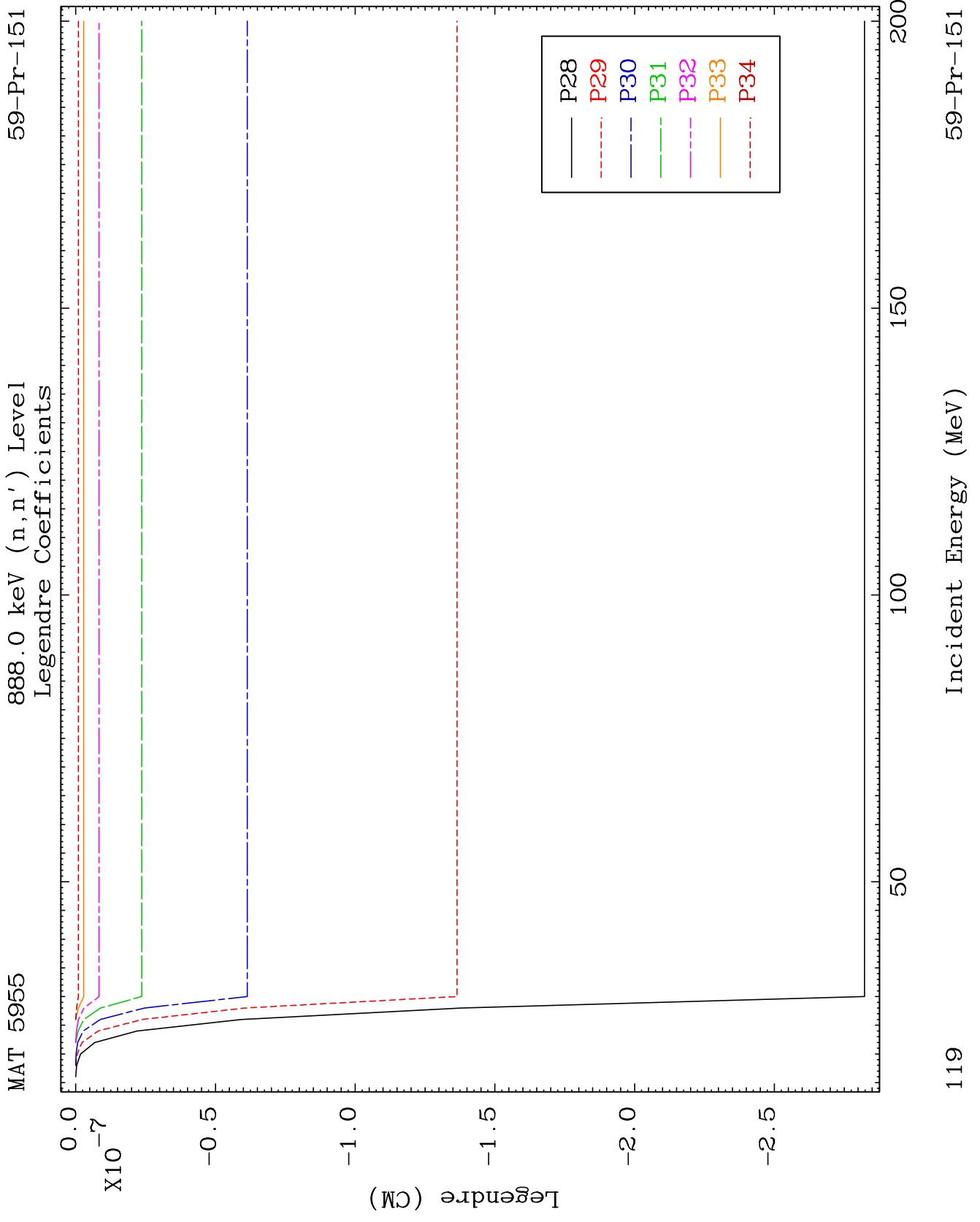
59-Pr-151

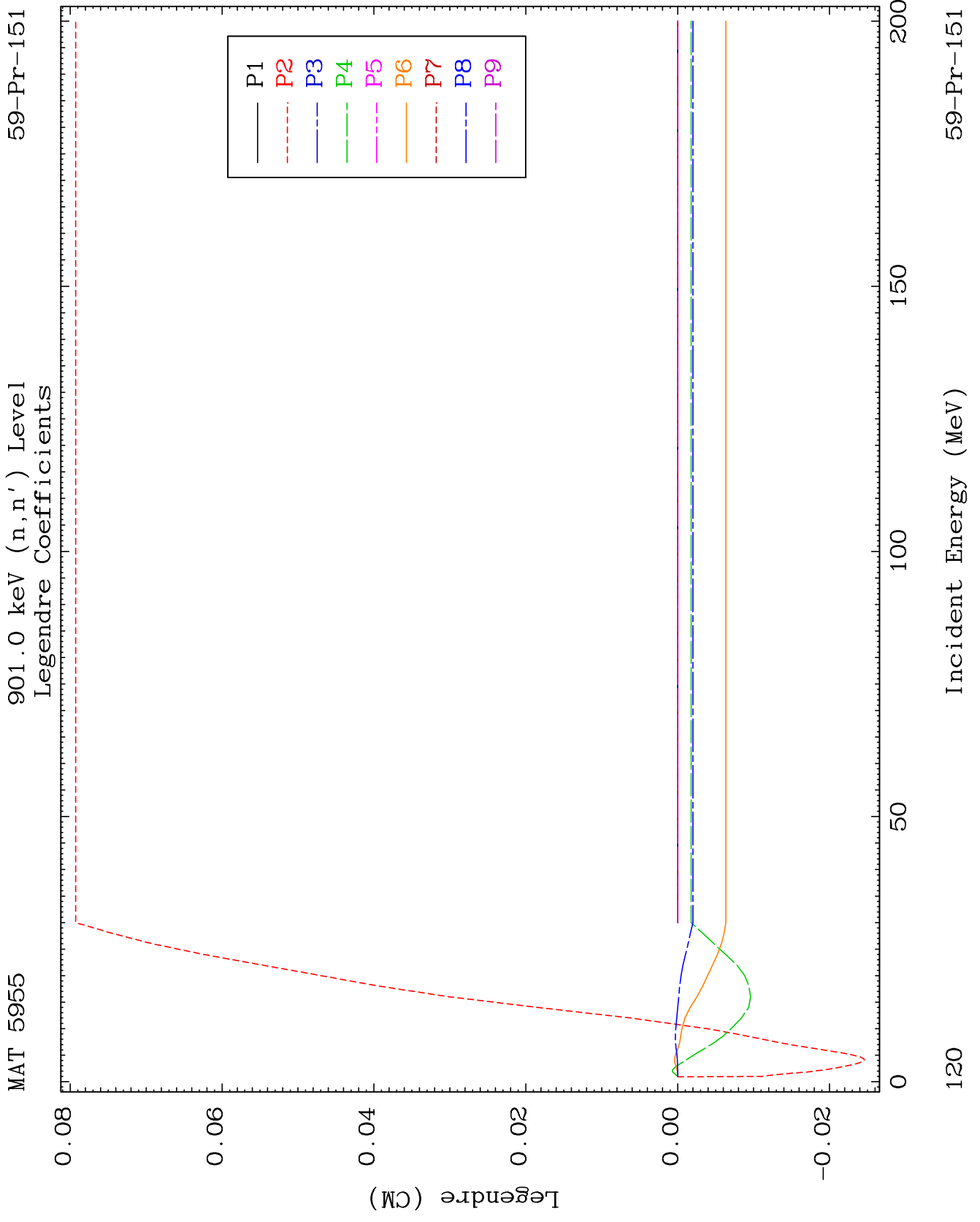
Incident Energy (MeV)

116





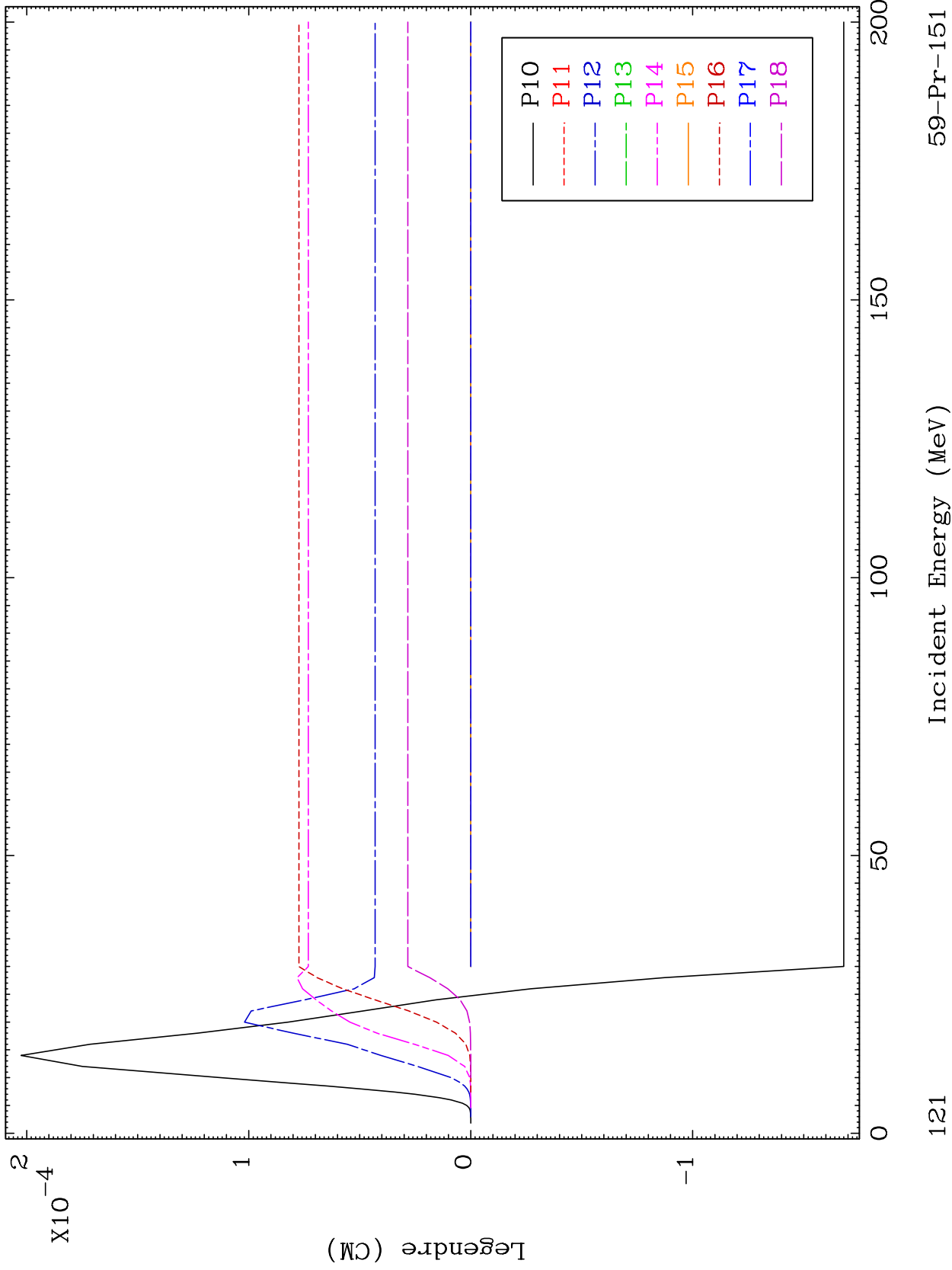




MAT 5955

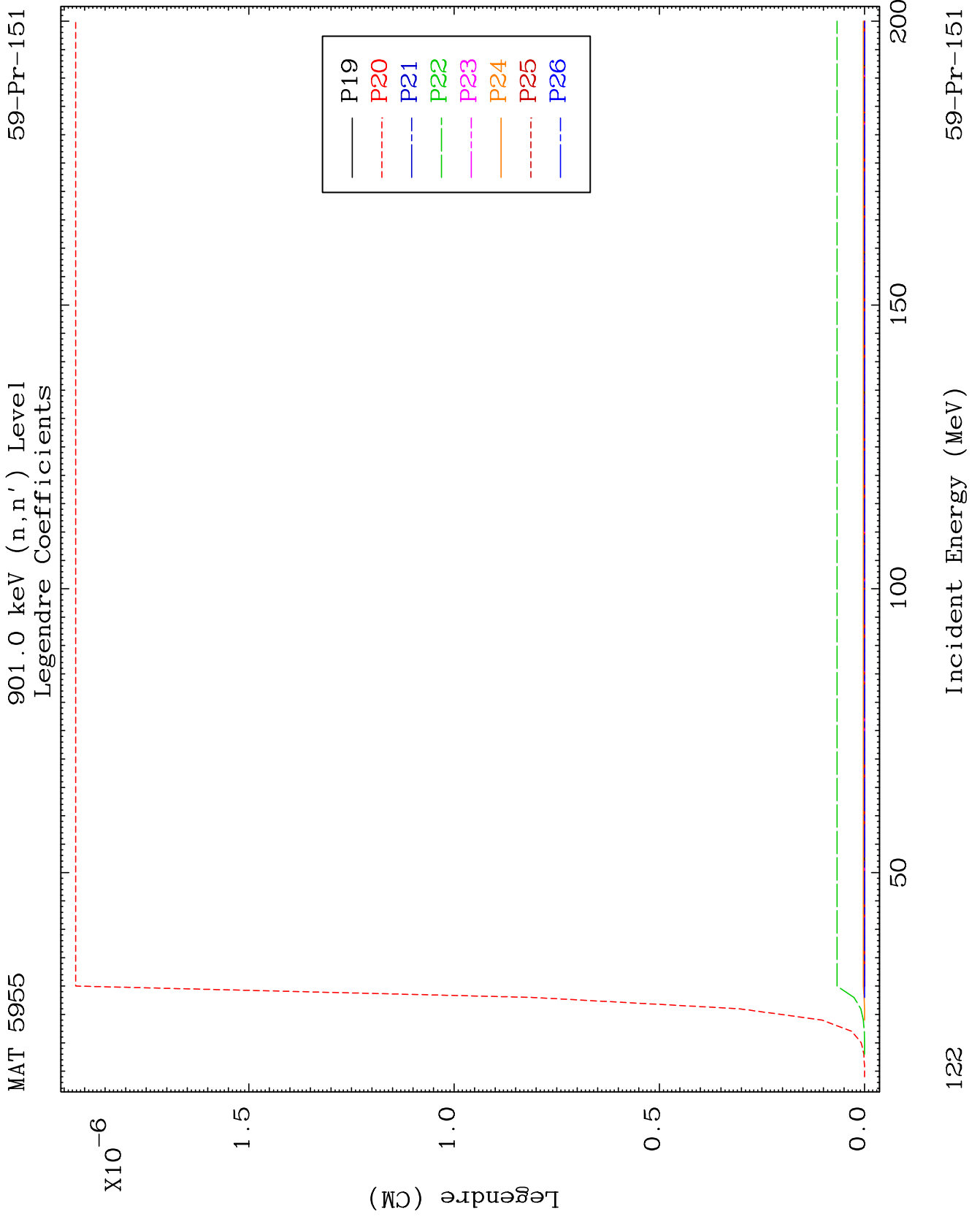
901.0 keV (n,n') Level
Legendre Coefficients

59-Pr-151



121

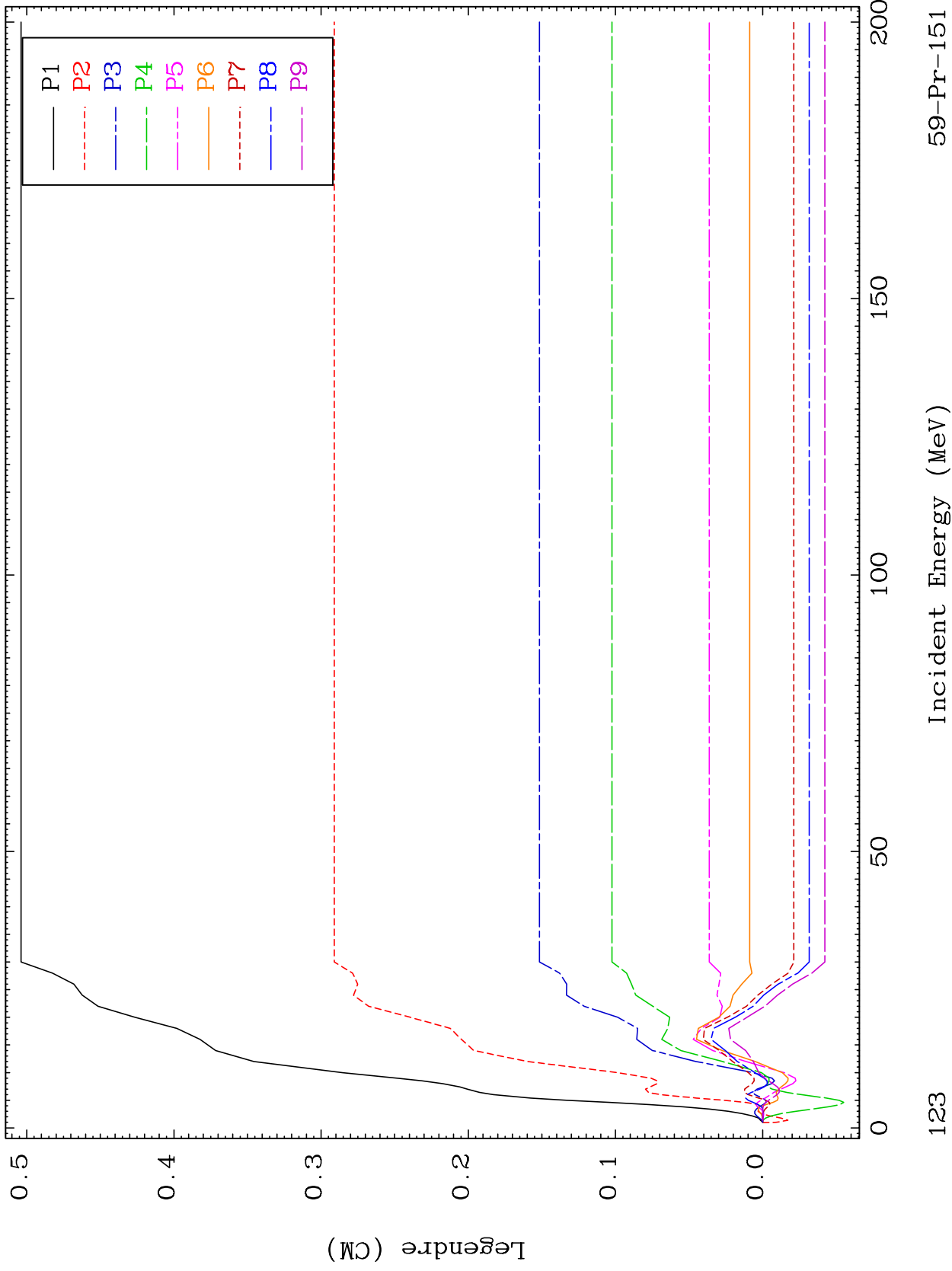
59-Pr-151



MAT 5955

925.8 keV (n,n') Level
Legendre Coefficients

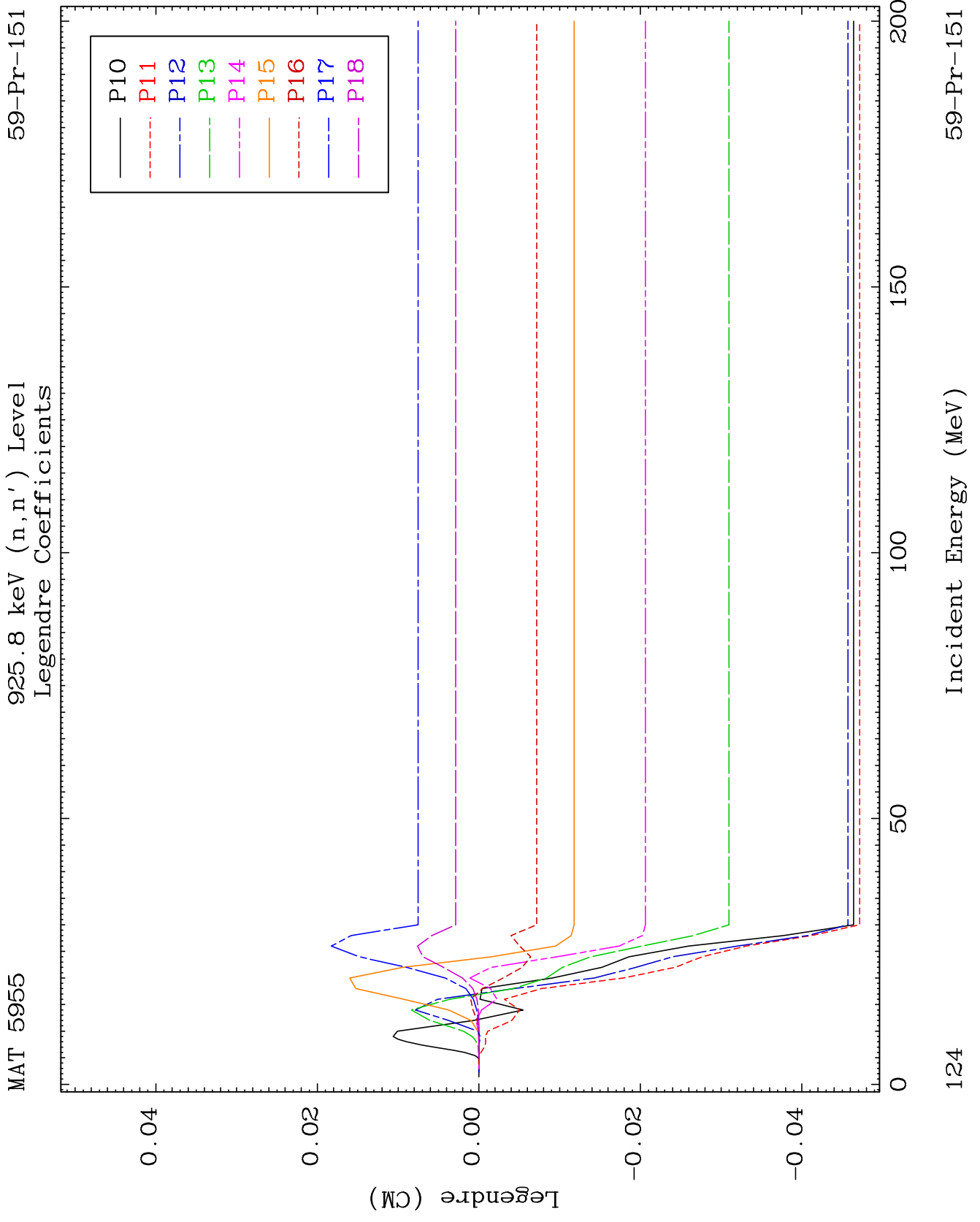
59-Pr-151



59-Pr-151

Incident Energy (MeV)

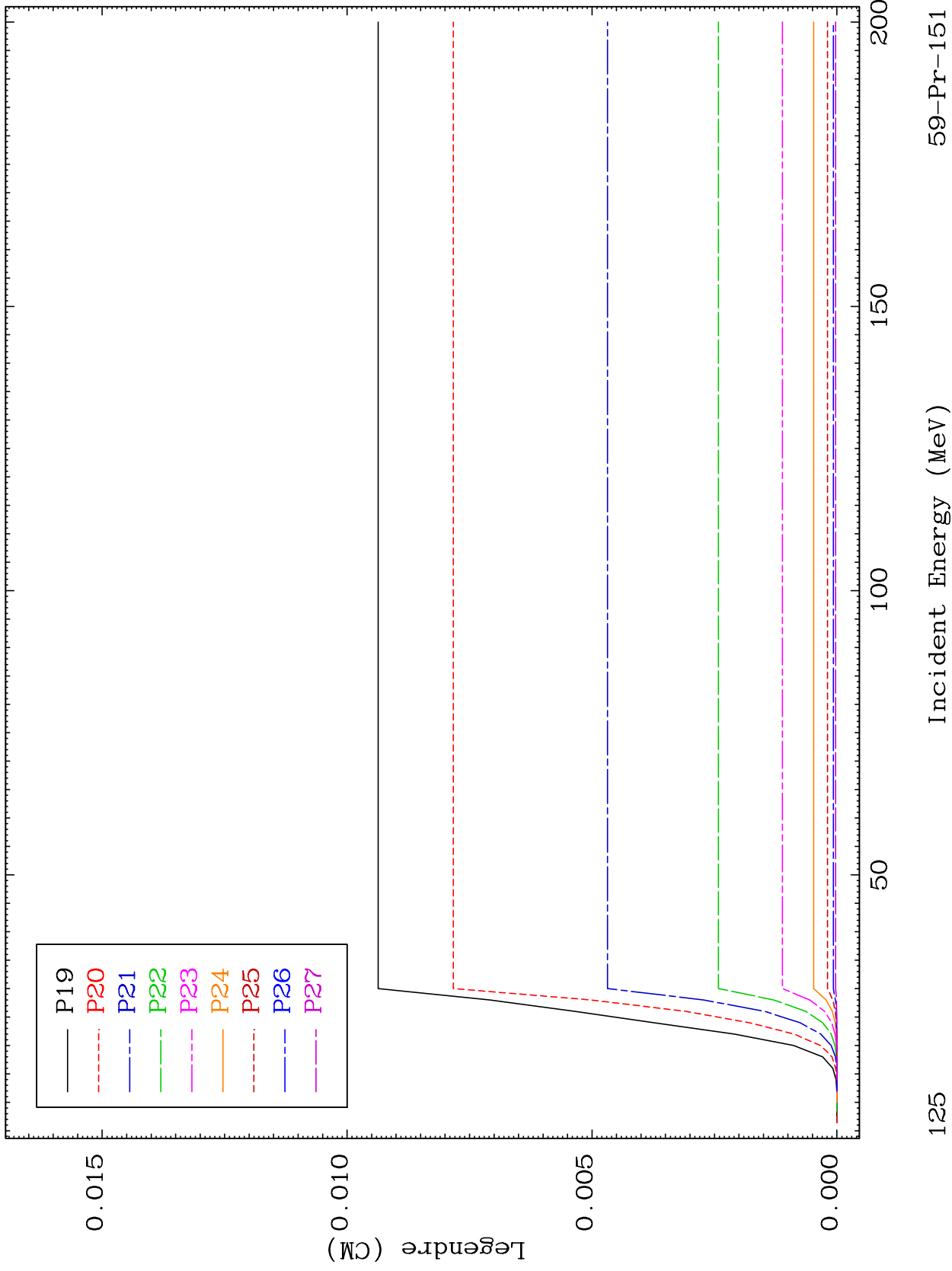
123



MAT 5955

925.8 keV (n,n') Level
Legendre Coefficients

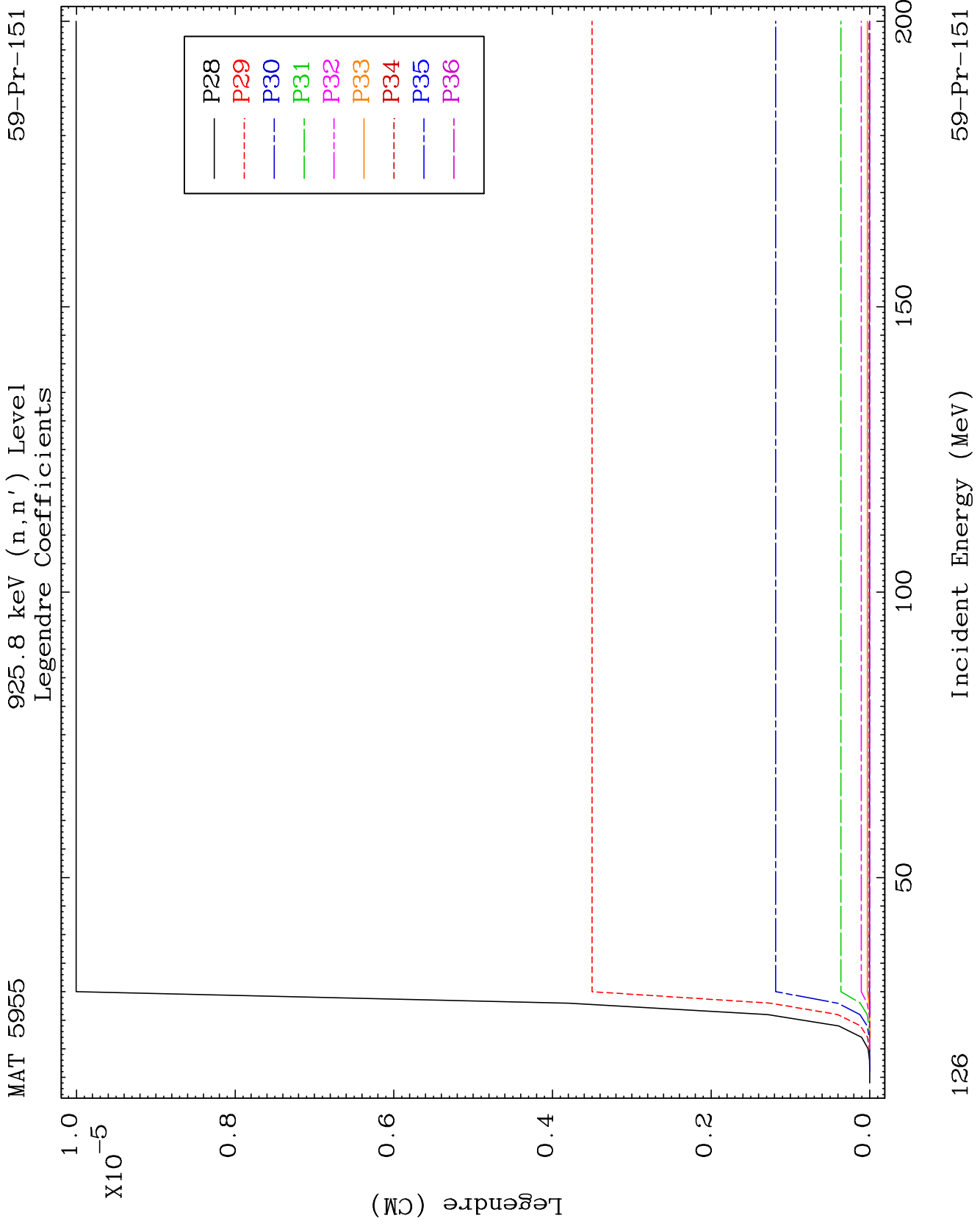
59-Pr-151

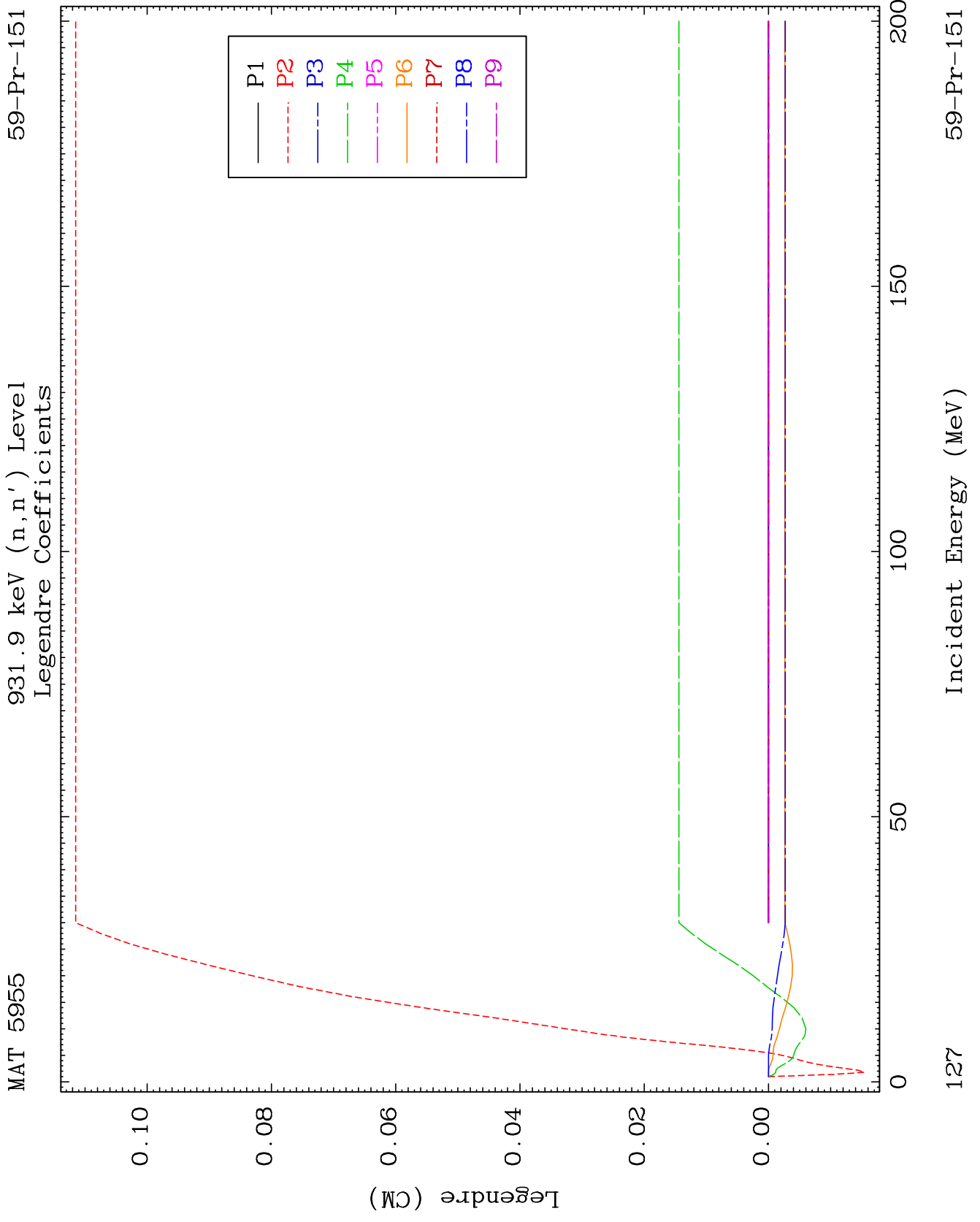


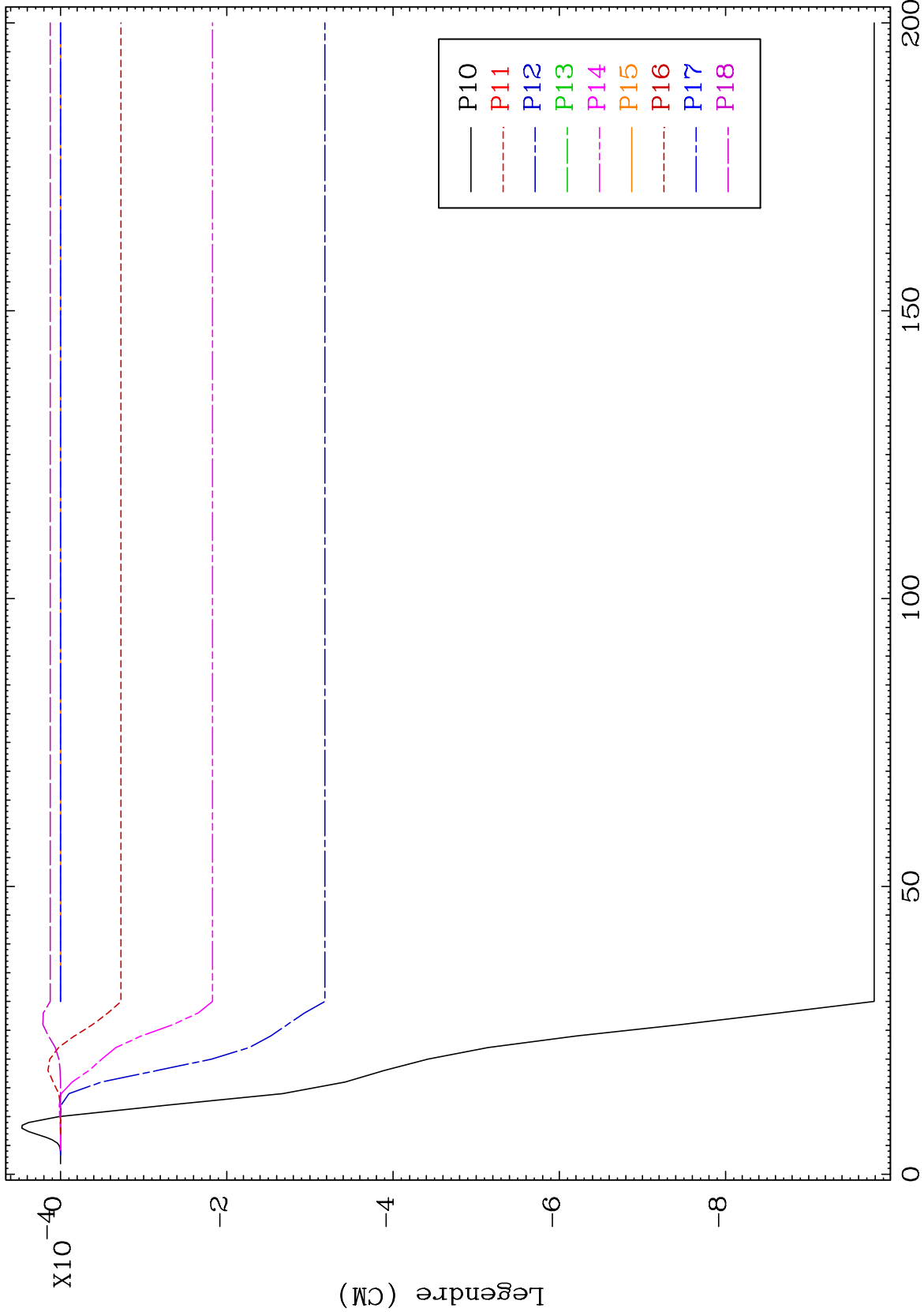
125

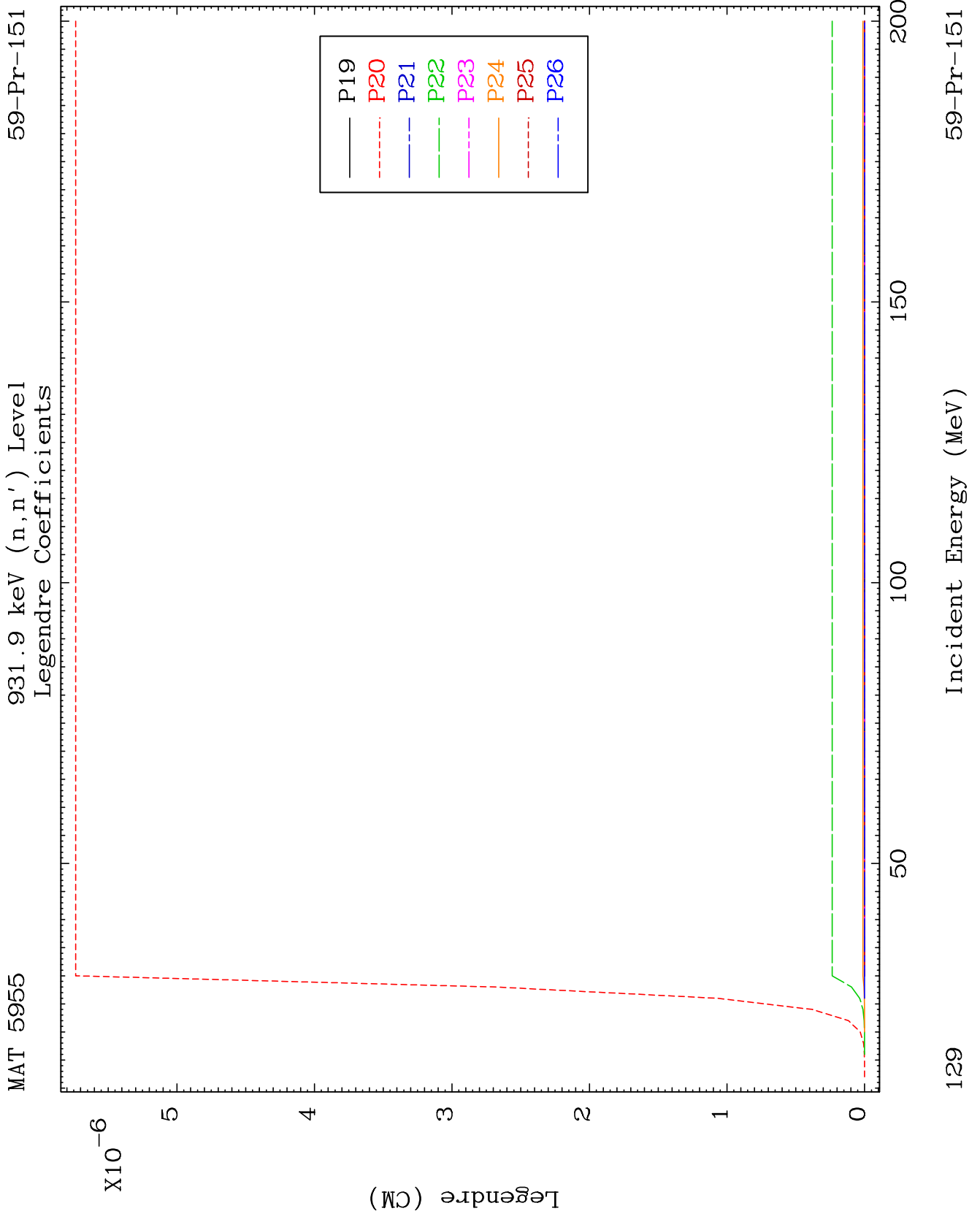
Incident Energy (MeV)

59-Pr-151





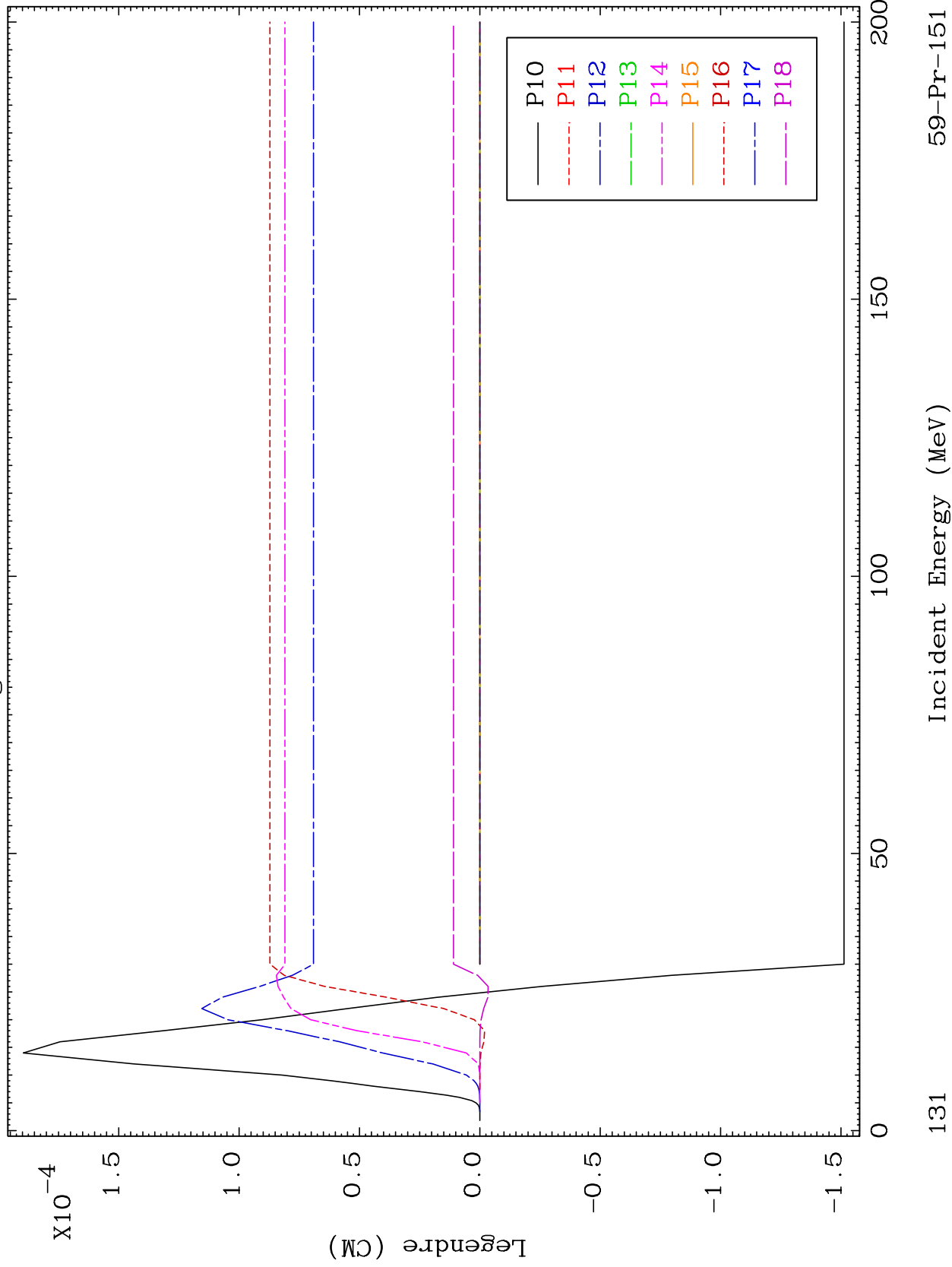




MAT 5955

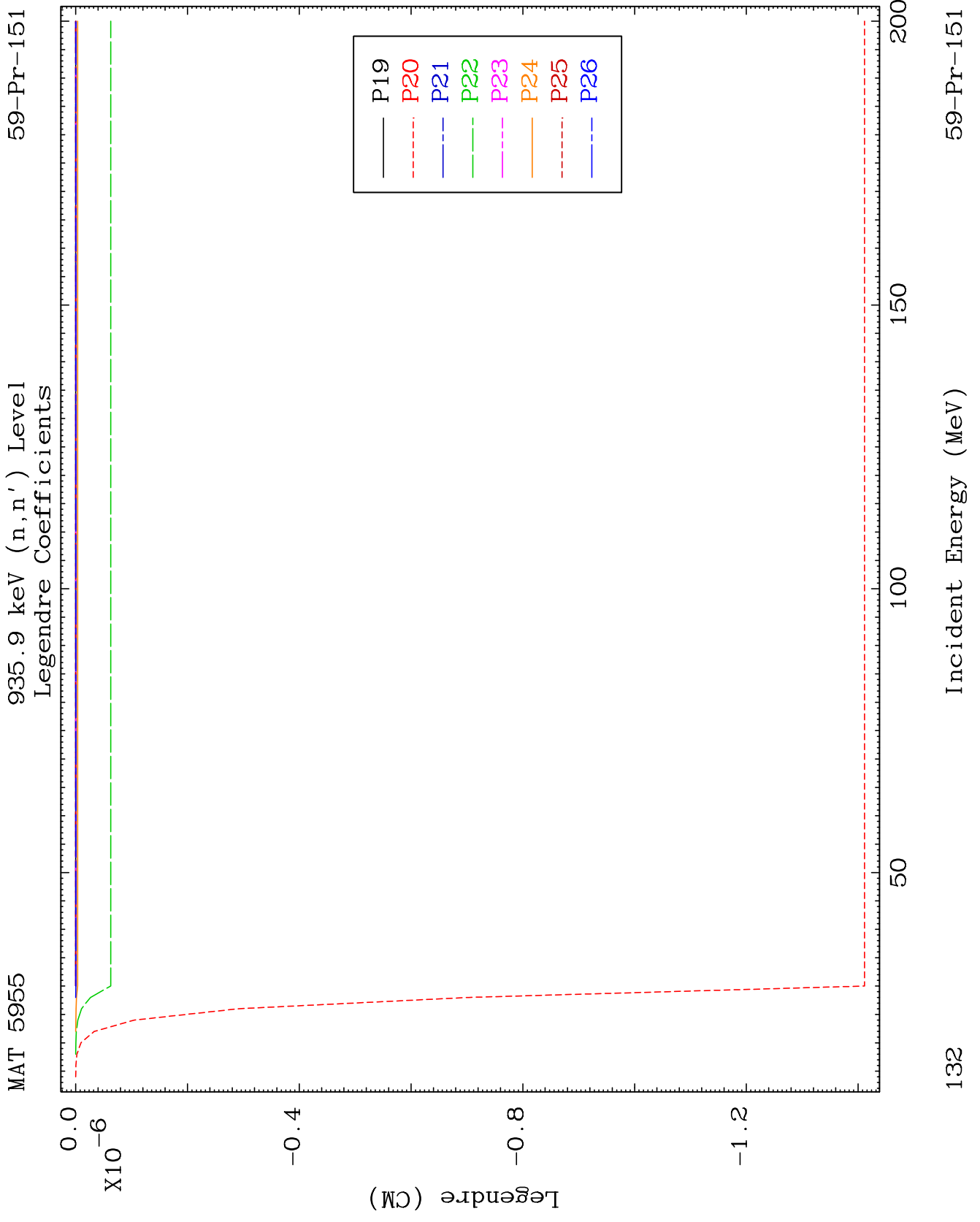
935.9 keV (n,n') Level
Legendre Coefficients

59-Pr-151



131

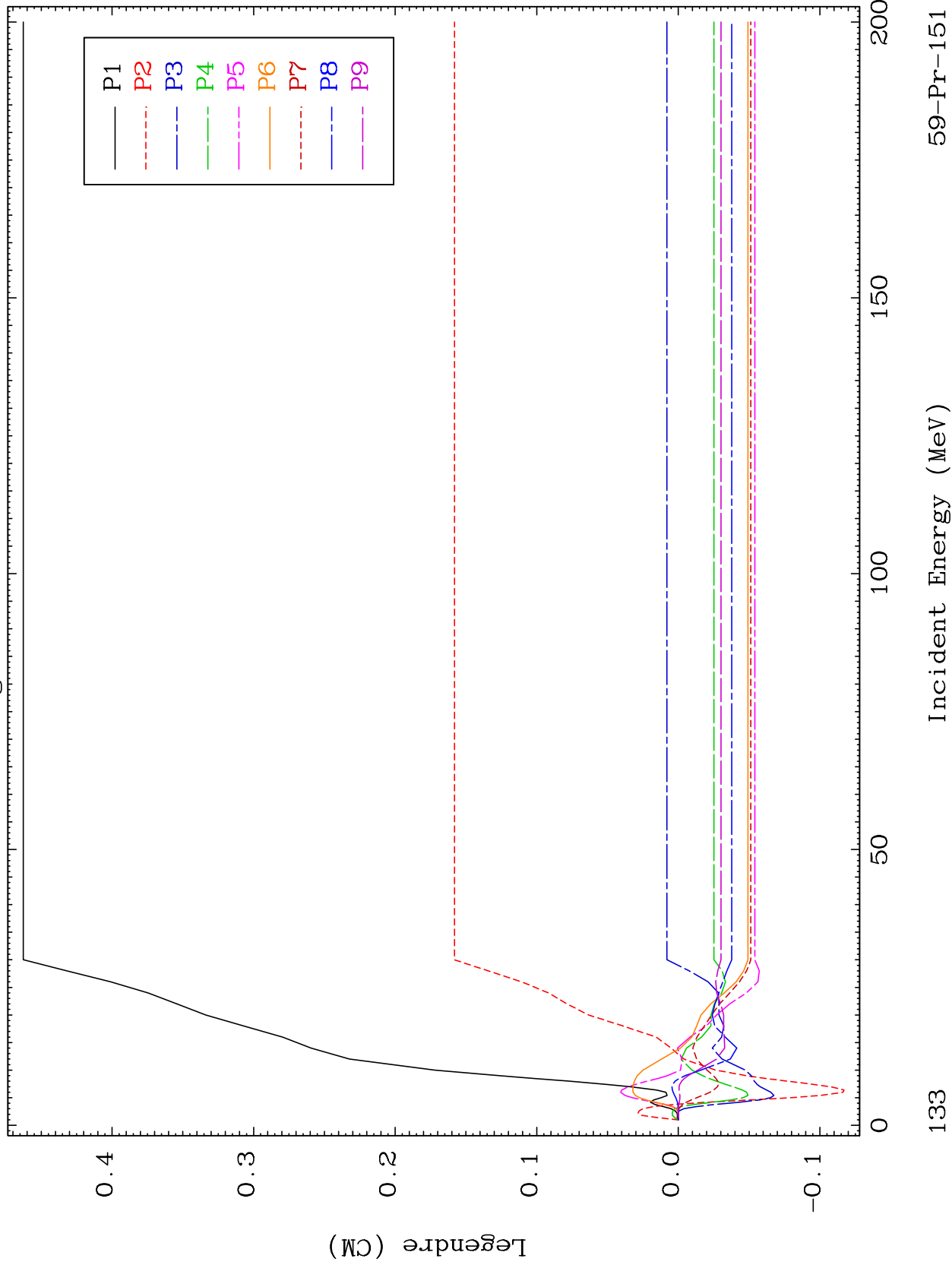
59-Pr-151



MAT 5955

939.4 keV (n,n') Level
Legendre Coefficients

59-Pr-151



59-Pr-151

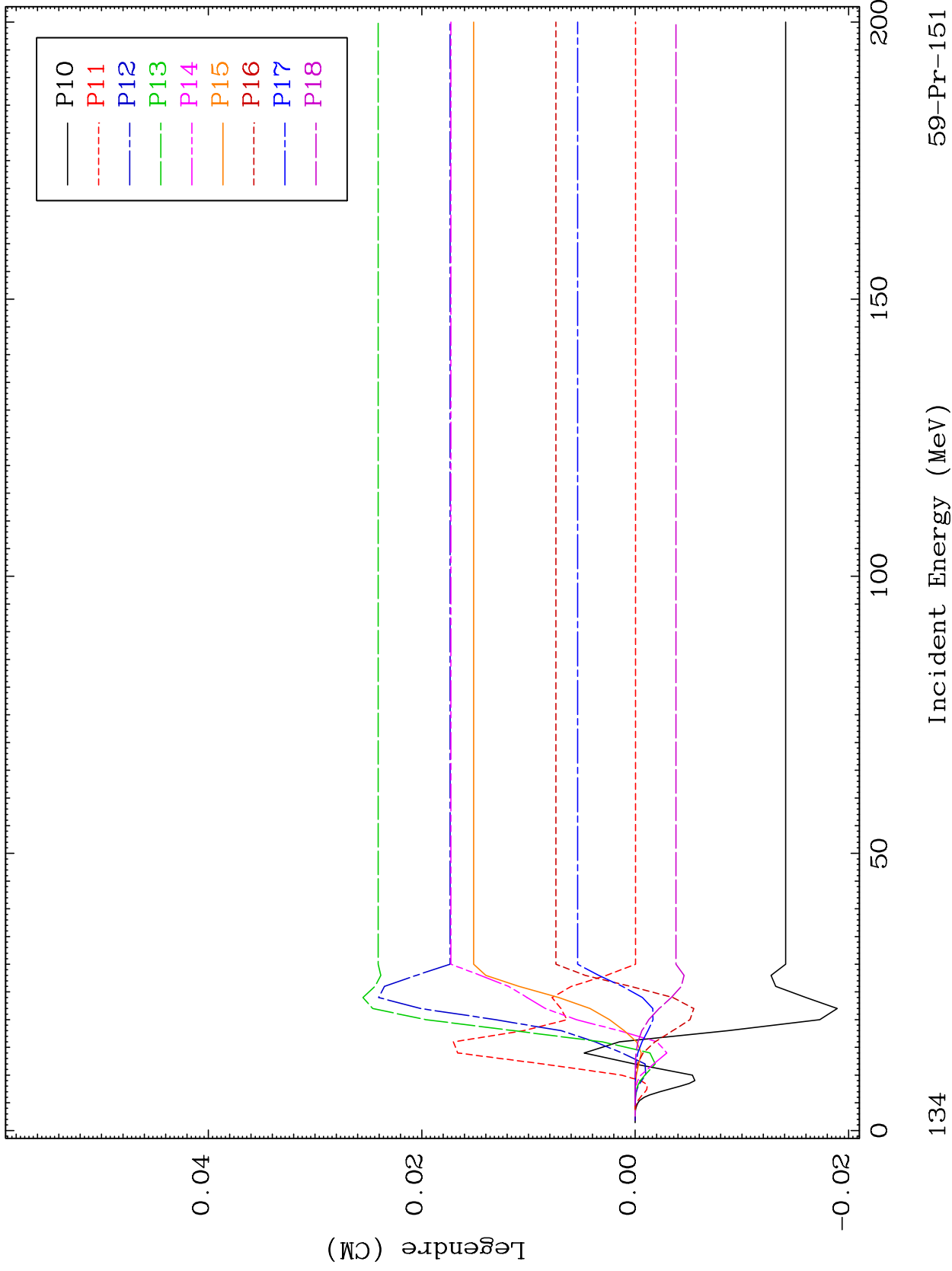
Incident Energy (MeV)

133

MAT 5955

939.4 keV (n,n') Level
Legendre Coefficients

59-Pr-151



134

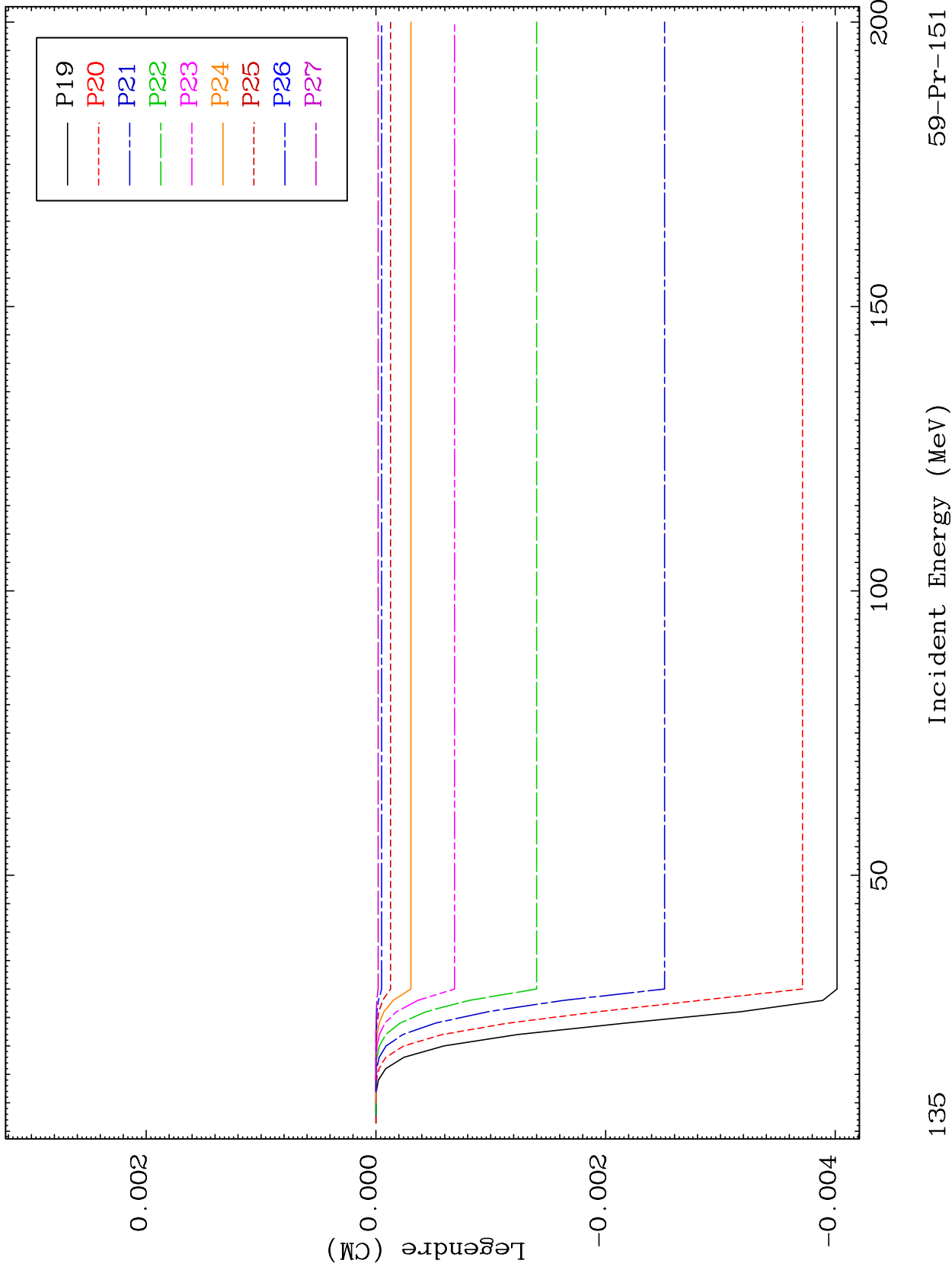
Incident Energy (MeV)

59-Pr-151

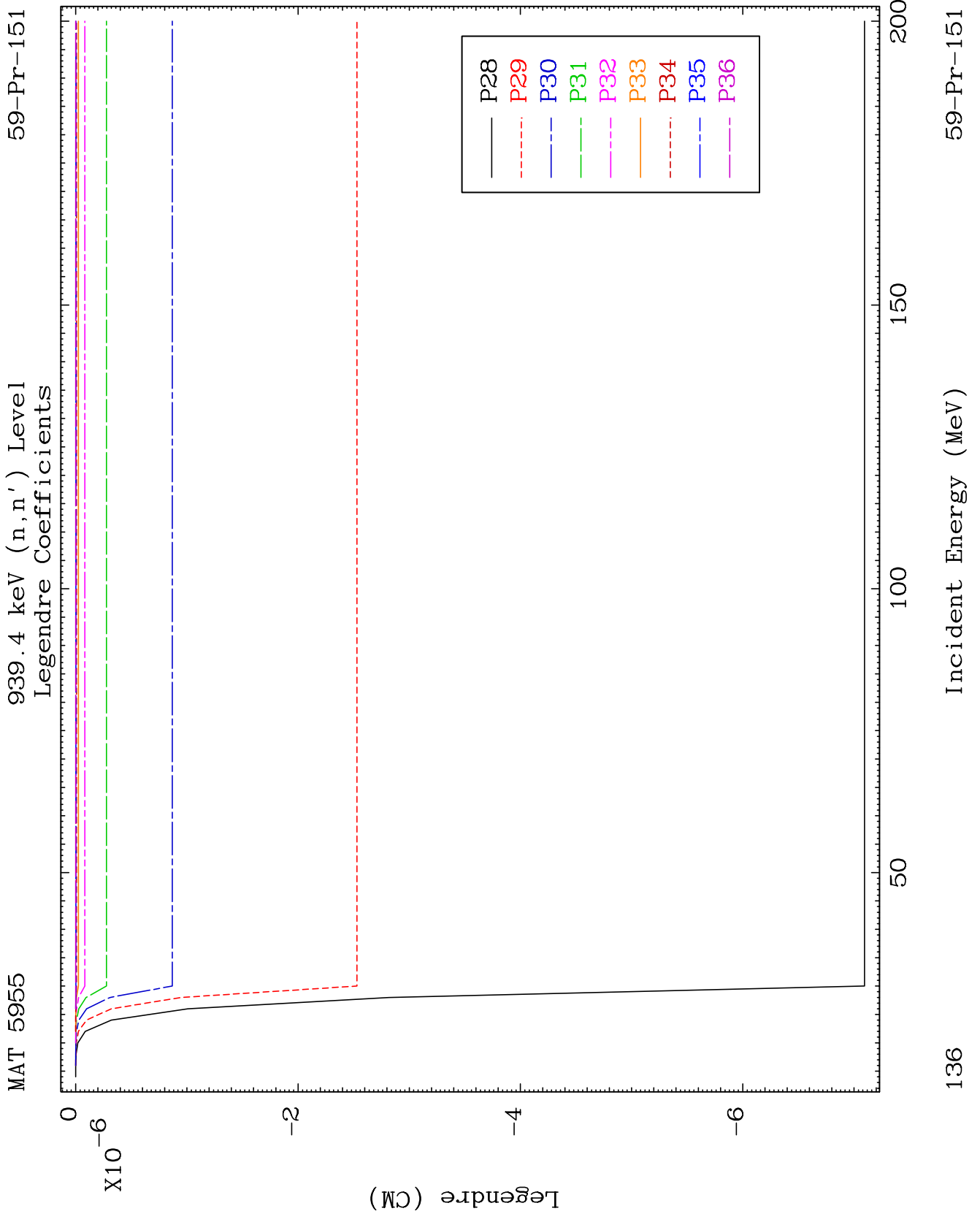
MAT 5955

939.4 keV (n,n') Level
Legendre Coefficients

59-Pr-151



135

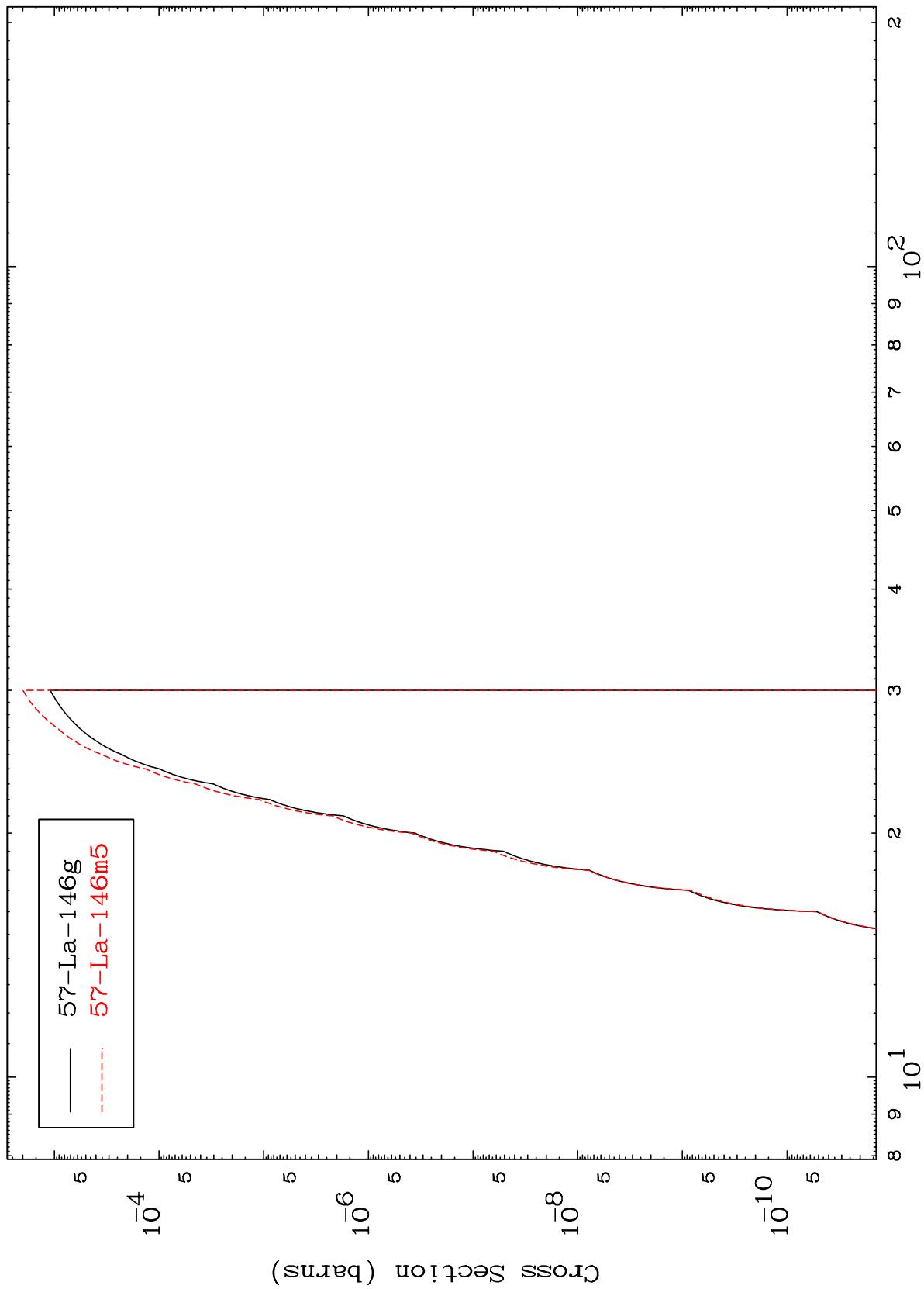


MAT 5955

(n,2n) α

59-Pr-151

Radionuclide Production Cross Section



137

Incident Energy (MeV)

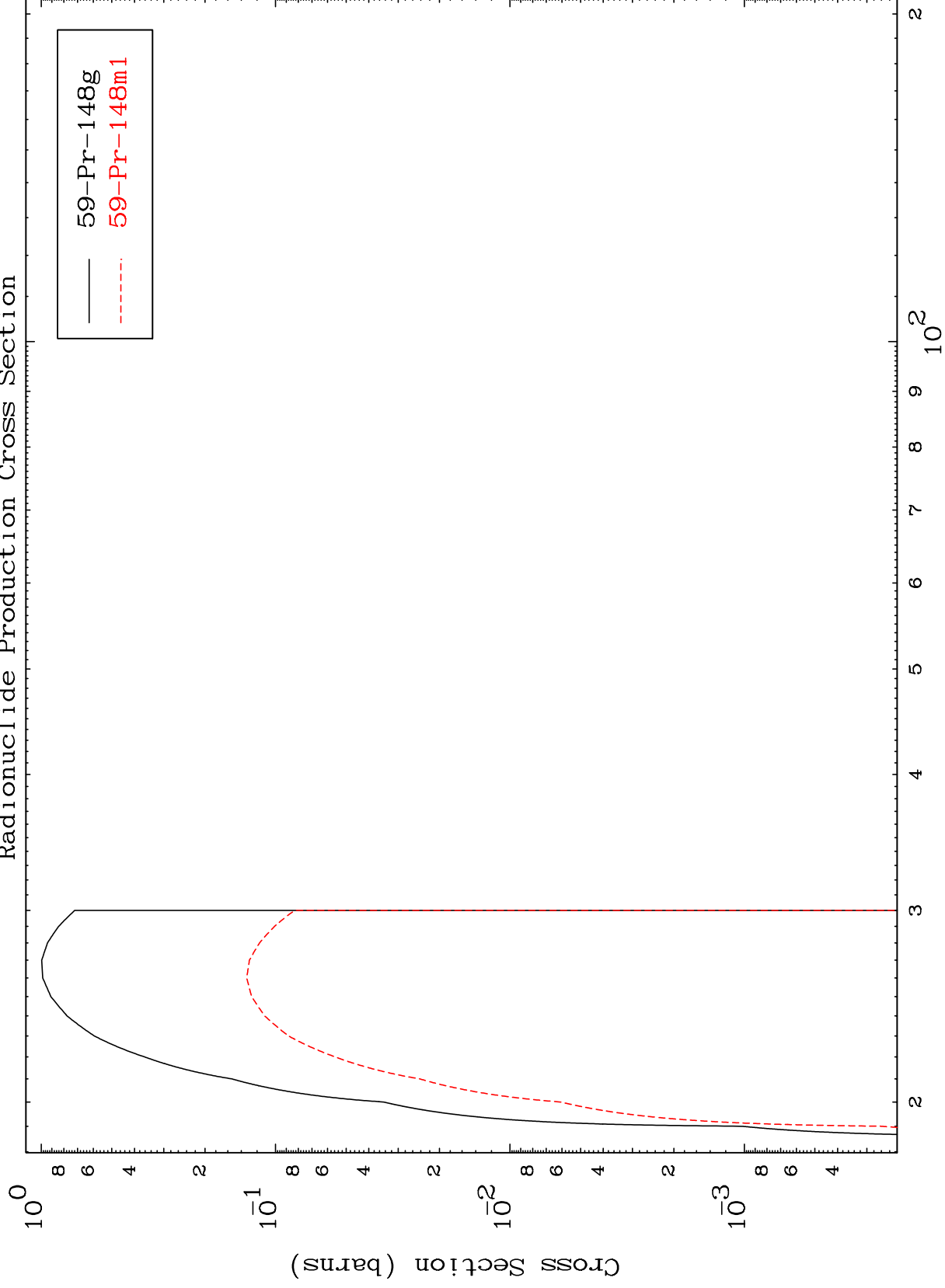
59-Pr-151

MAT 5955

(n,4n)

59-Pr-151

Radionuclide Production Cross Section



138

Incident Energy (MeV)

59-Pr-151