

Program EVALPLOT  
(Version 2015-2)

by

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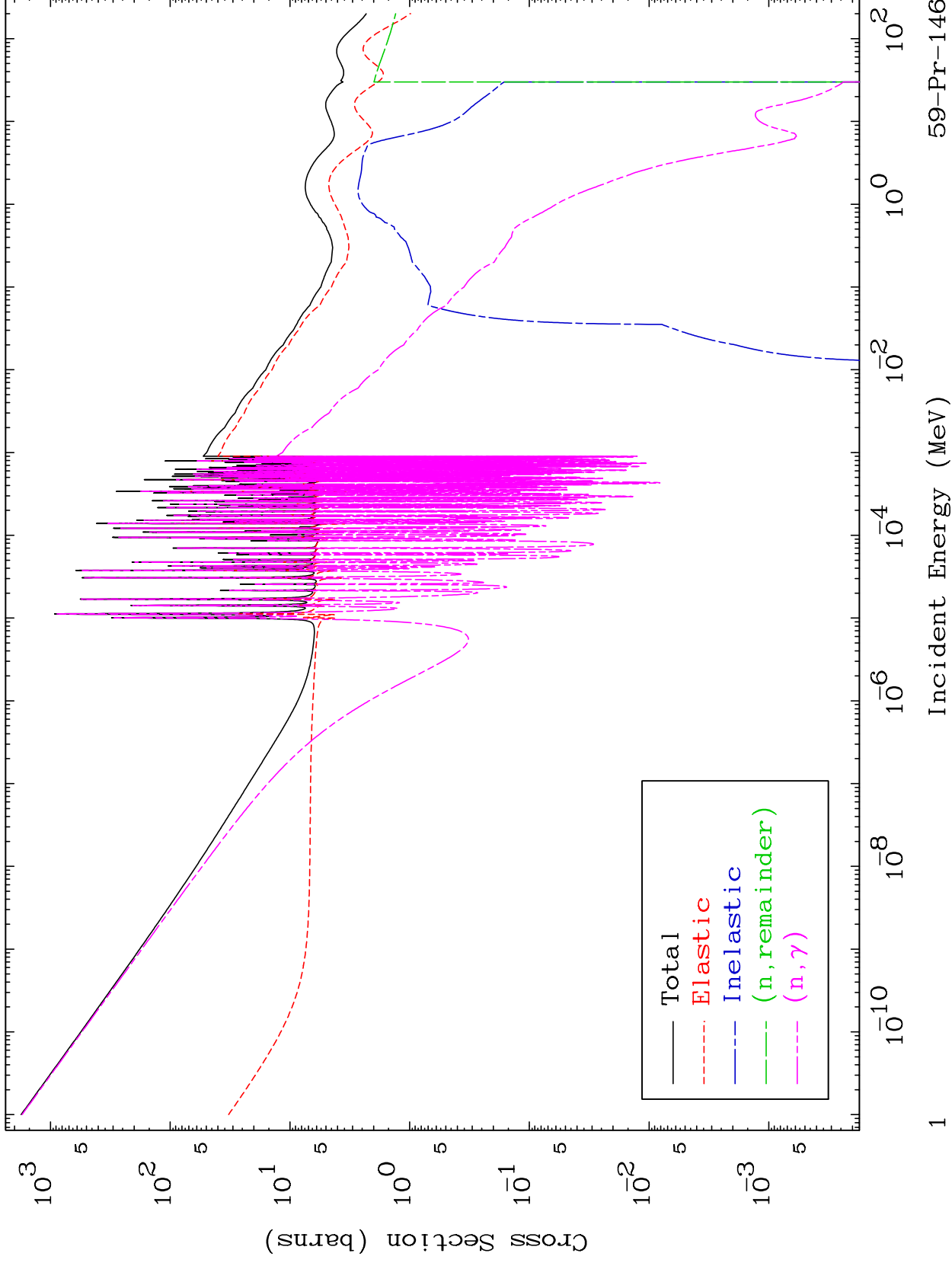
Press Mouse Button to Start

MAT 5940

Major

293 Kelvin Cross Sections

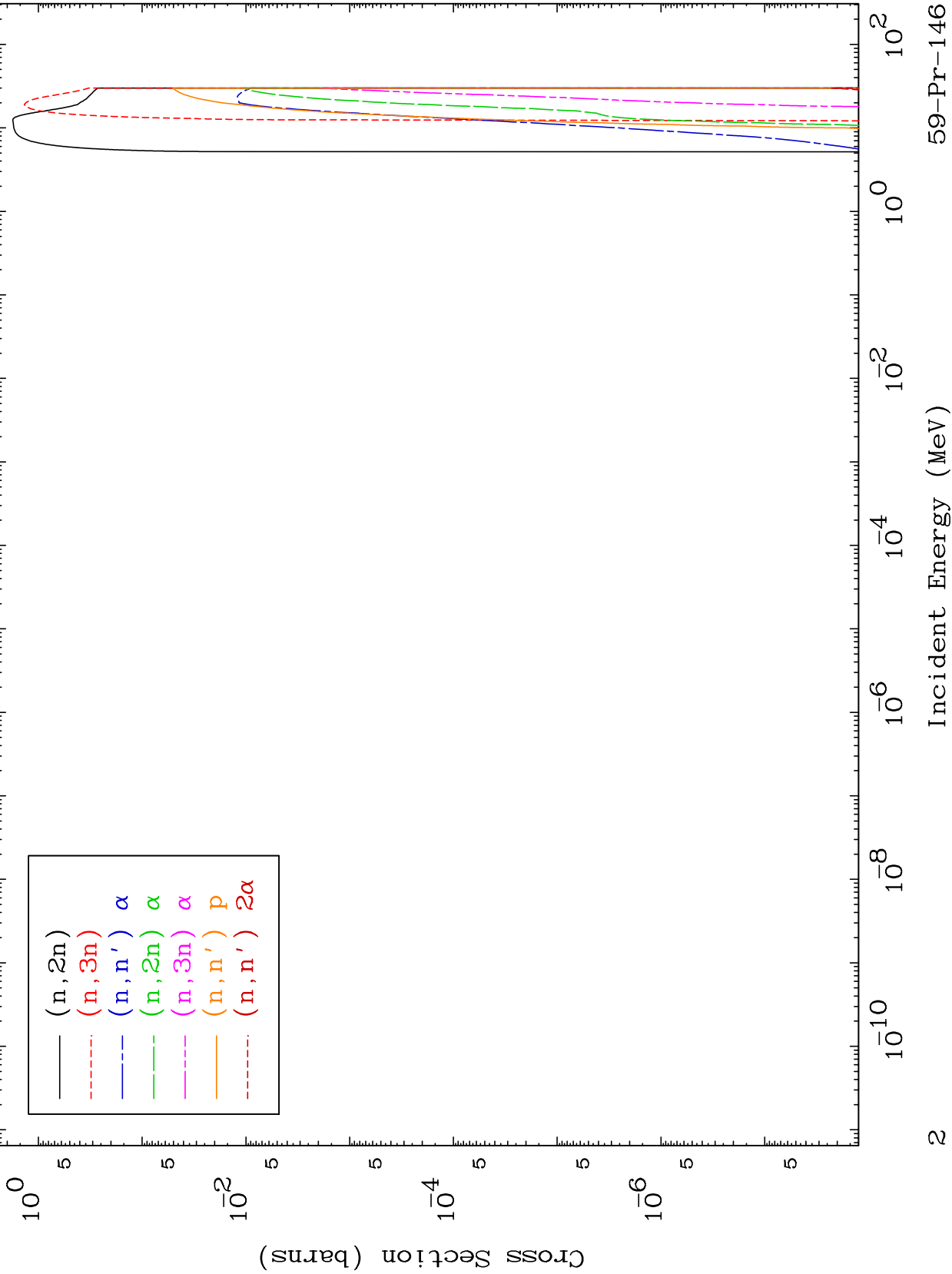
59-Pr-146

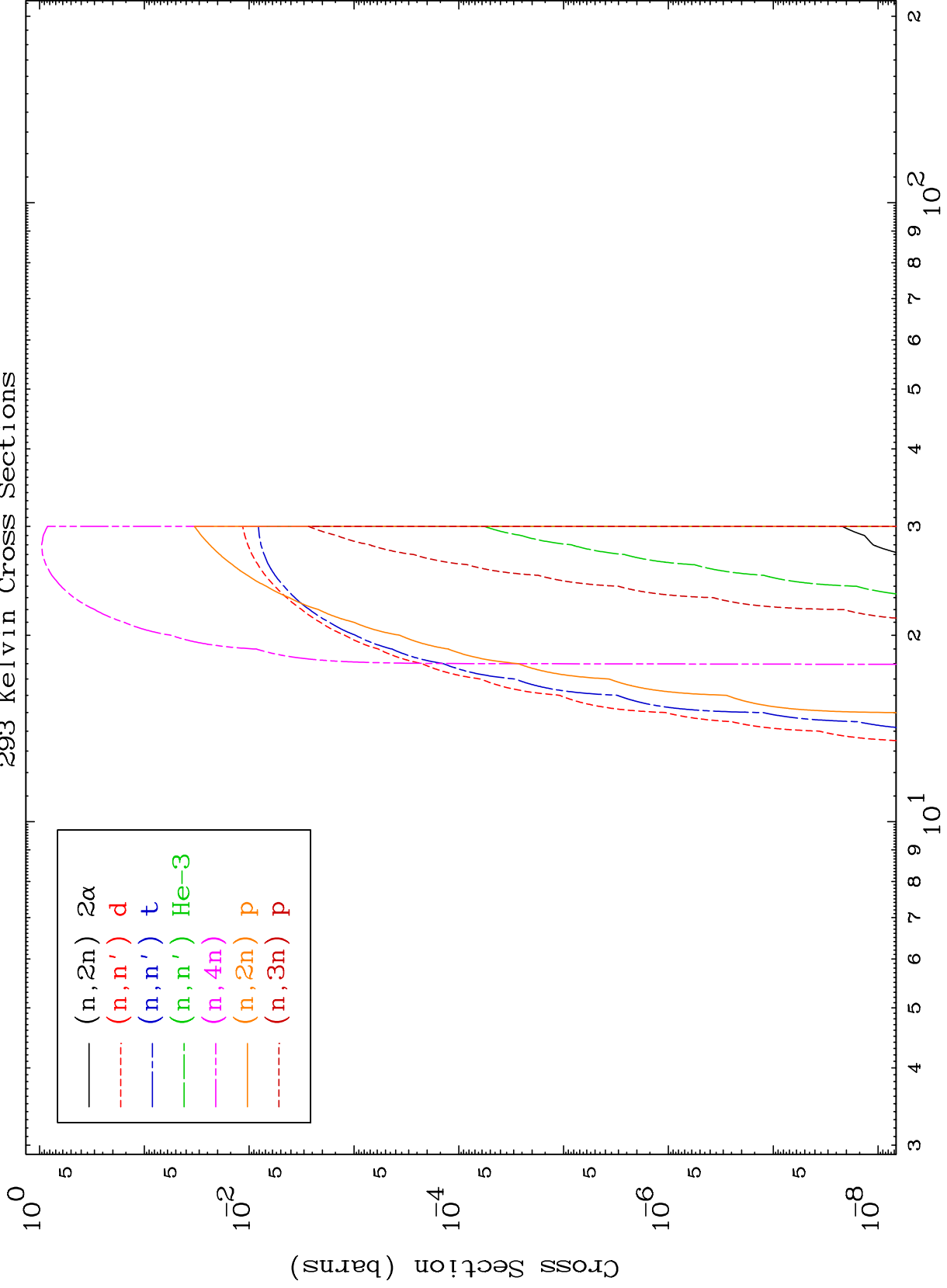


MAT 5940

Neutron Production  
293 Kelvin Cross Sections

59-Pr-146

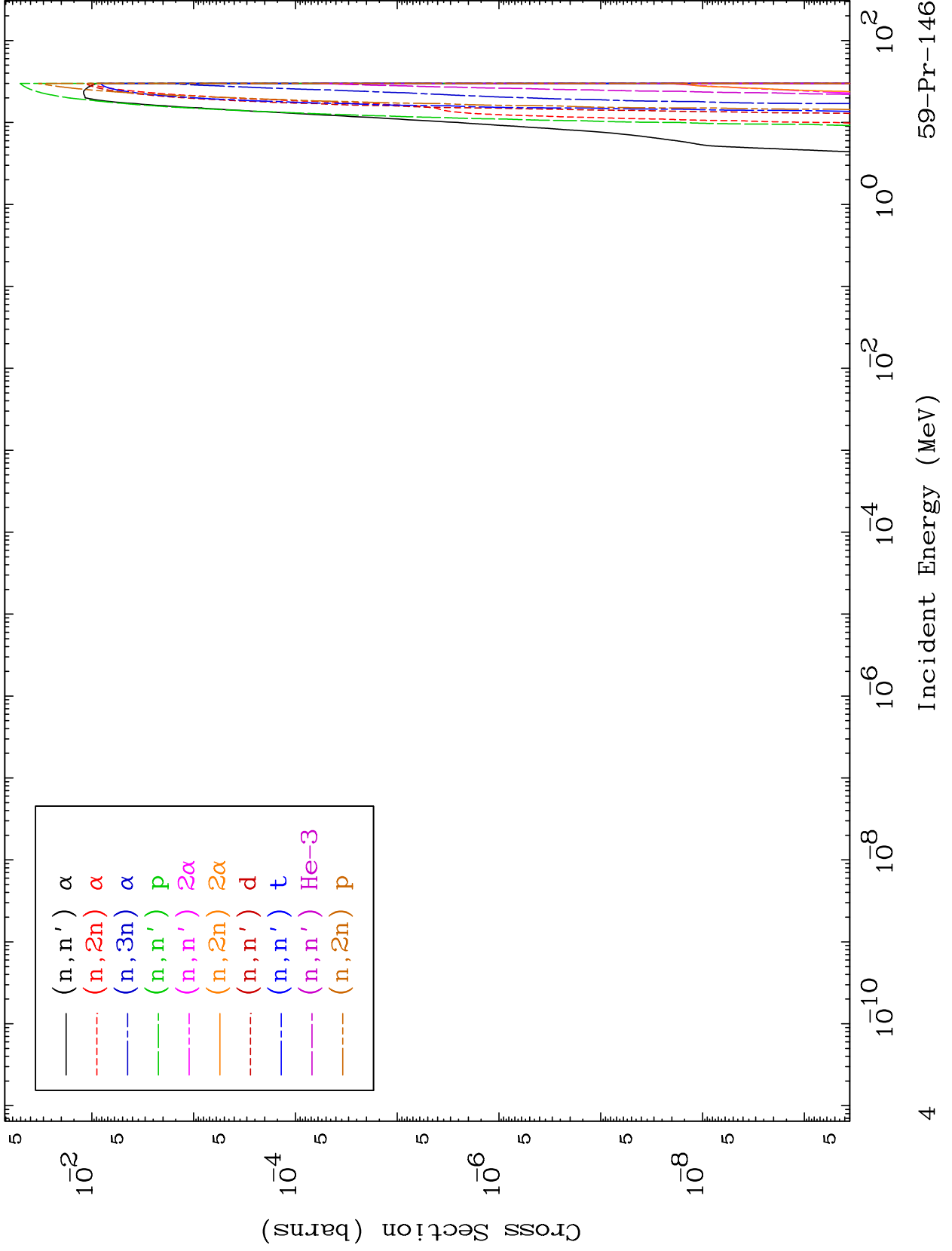




MAT 5940

Charged Particle  
293 Kelvin Cross Sections

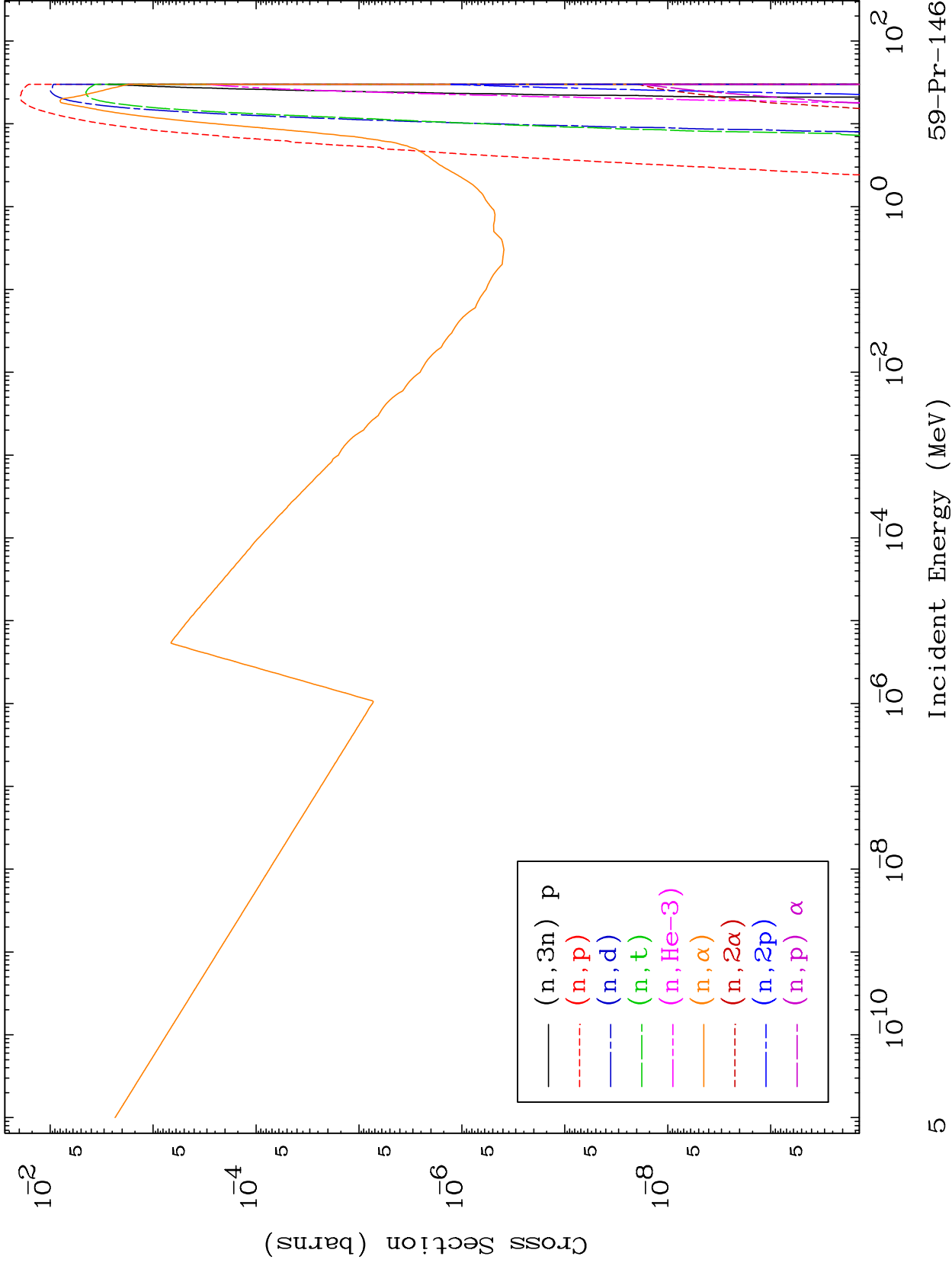
59-Pr-146

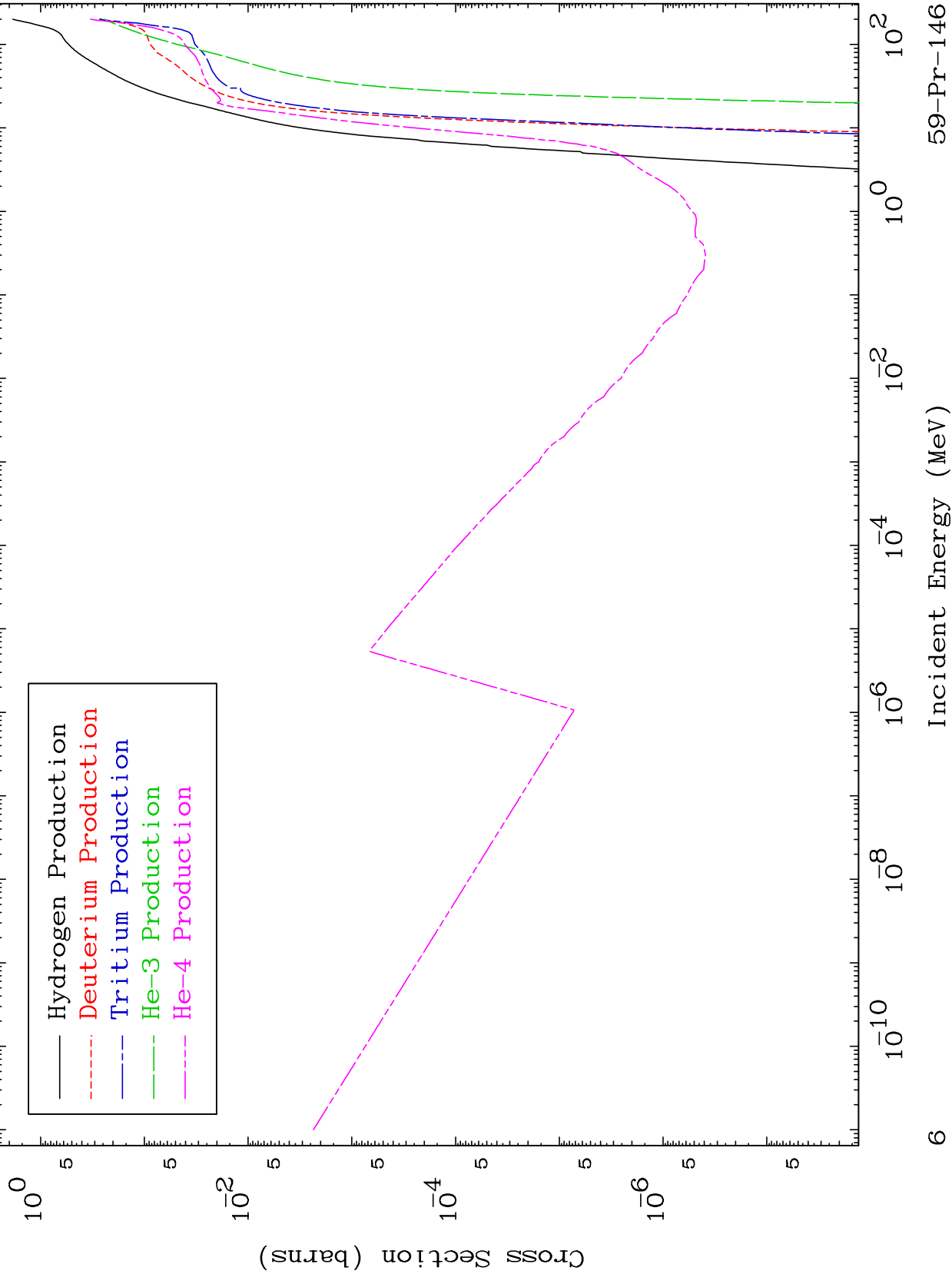


MAT 5940

Charged Particle  
293 Kelvin Cross Sections

59-Pr-146

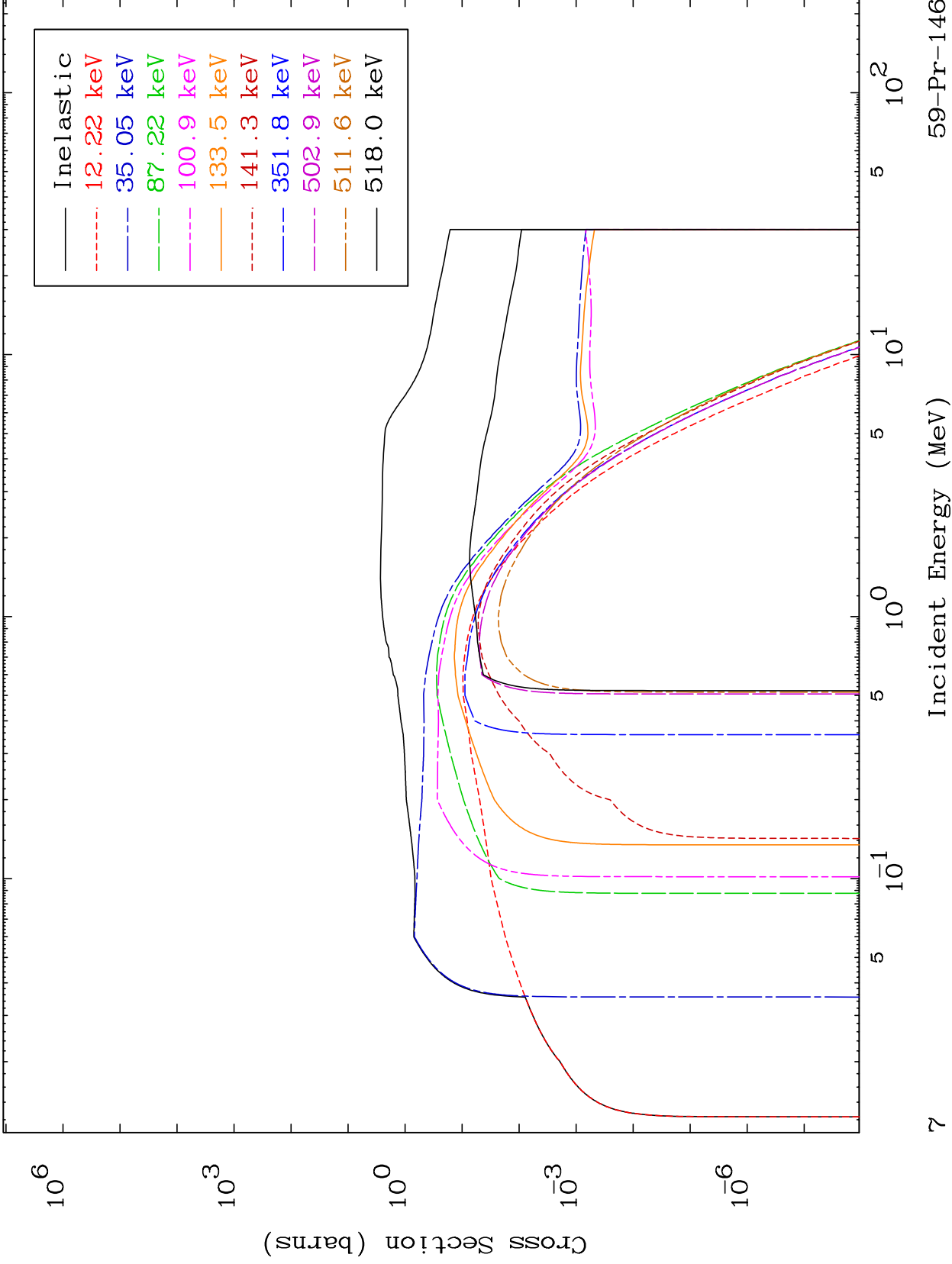




MAT 5940

(n,n') Level  
293 Kelvin Cross Sections

59-Pr-146





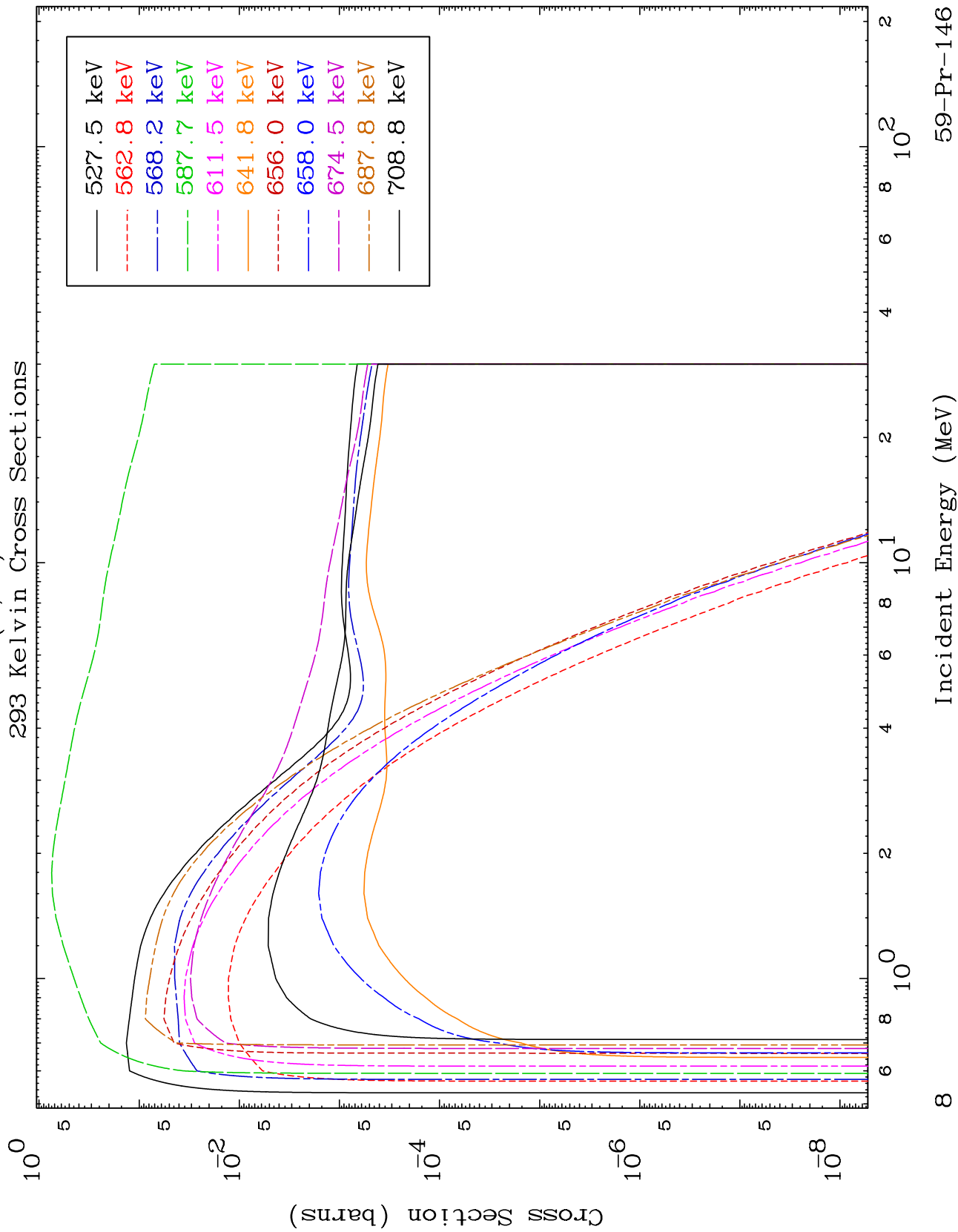
MAT 5940

(n,n') Level

59-Pr-146

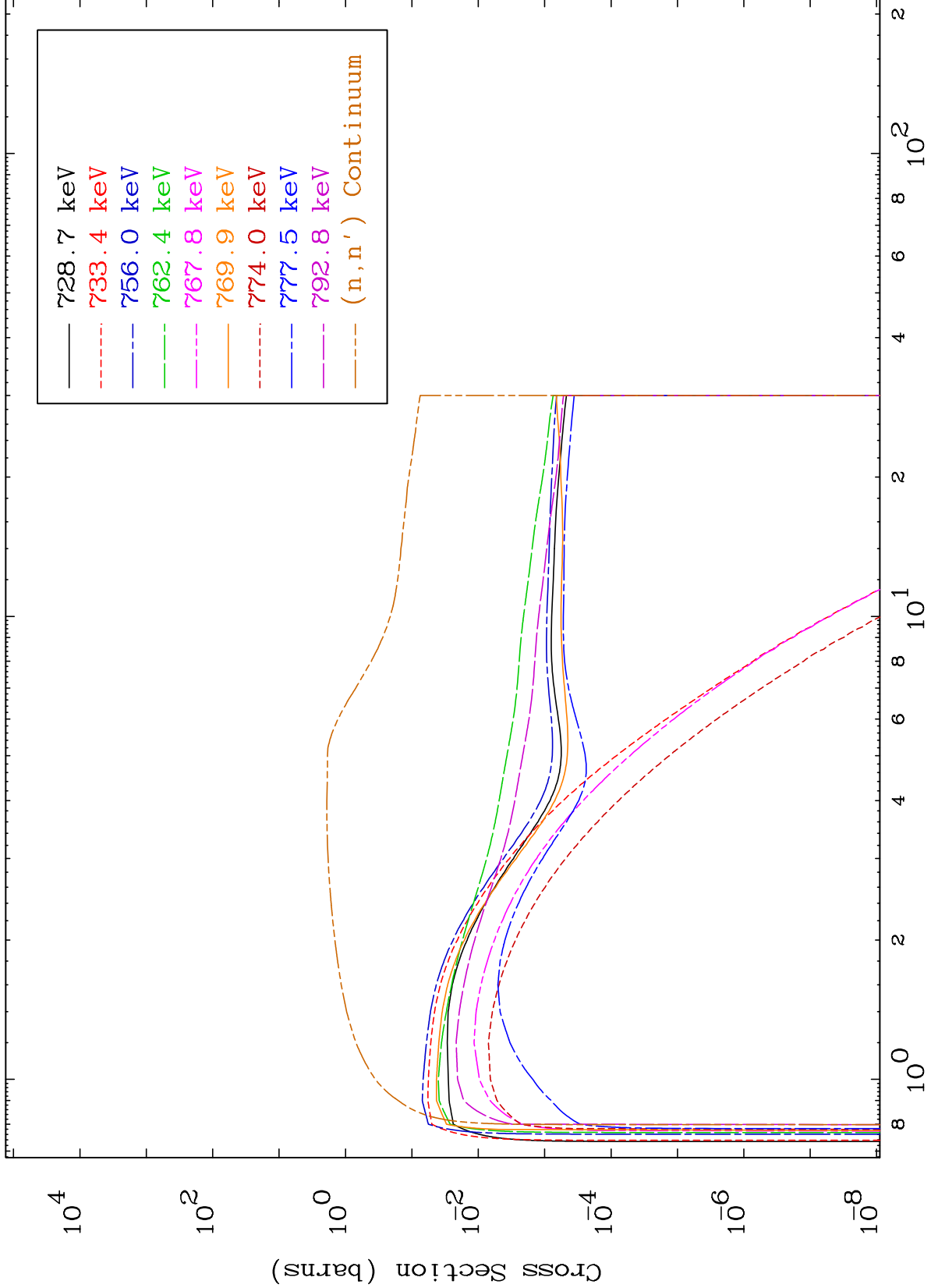
293 Kelvin Cross Sections

59-Pr-146



8

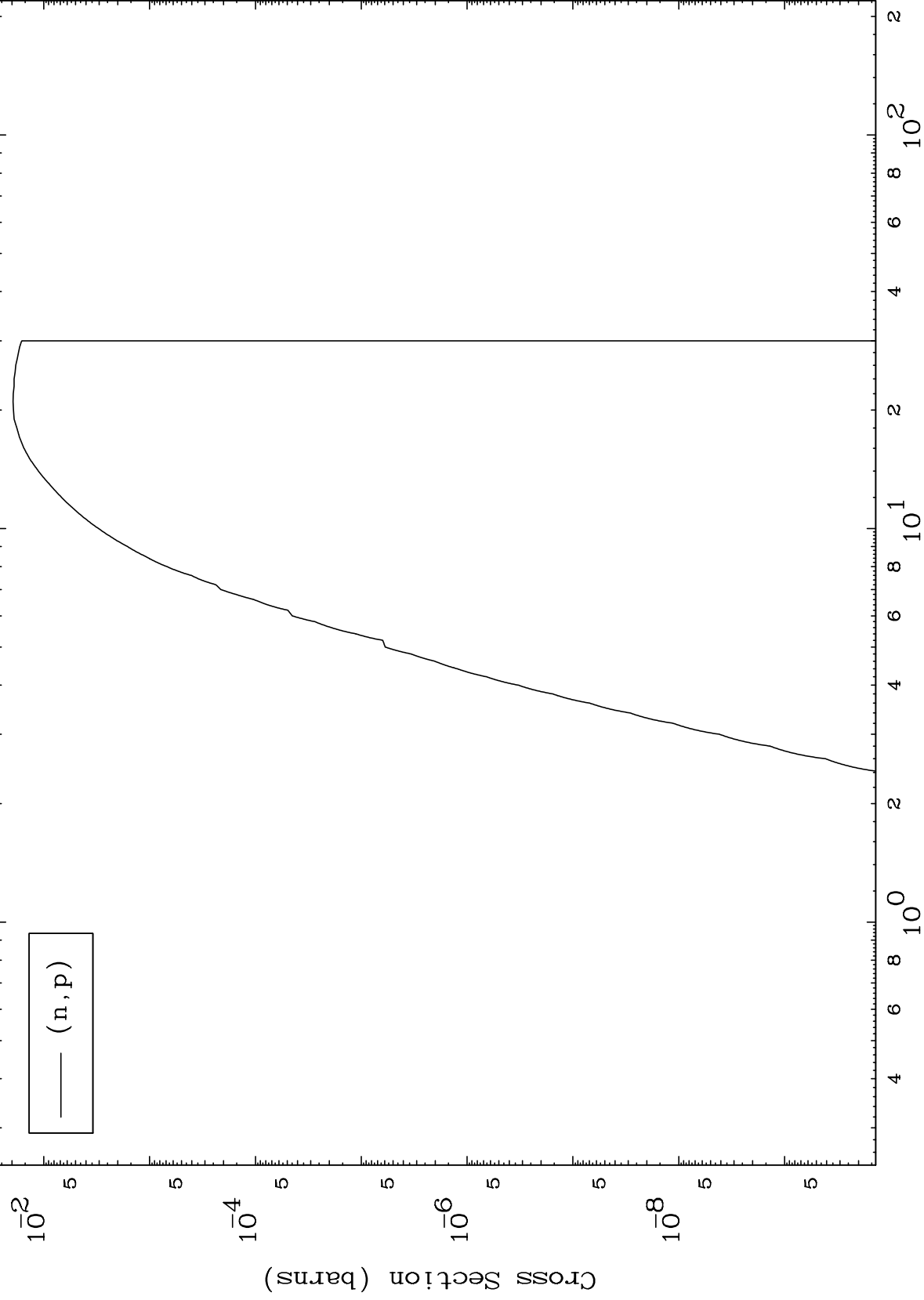
59-Pr-146



MAT 5940

(n,p) Levels  
293 Kelvin Cross Sections

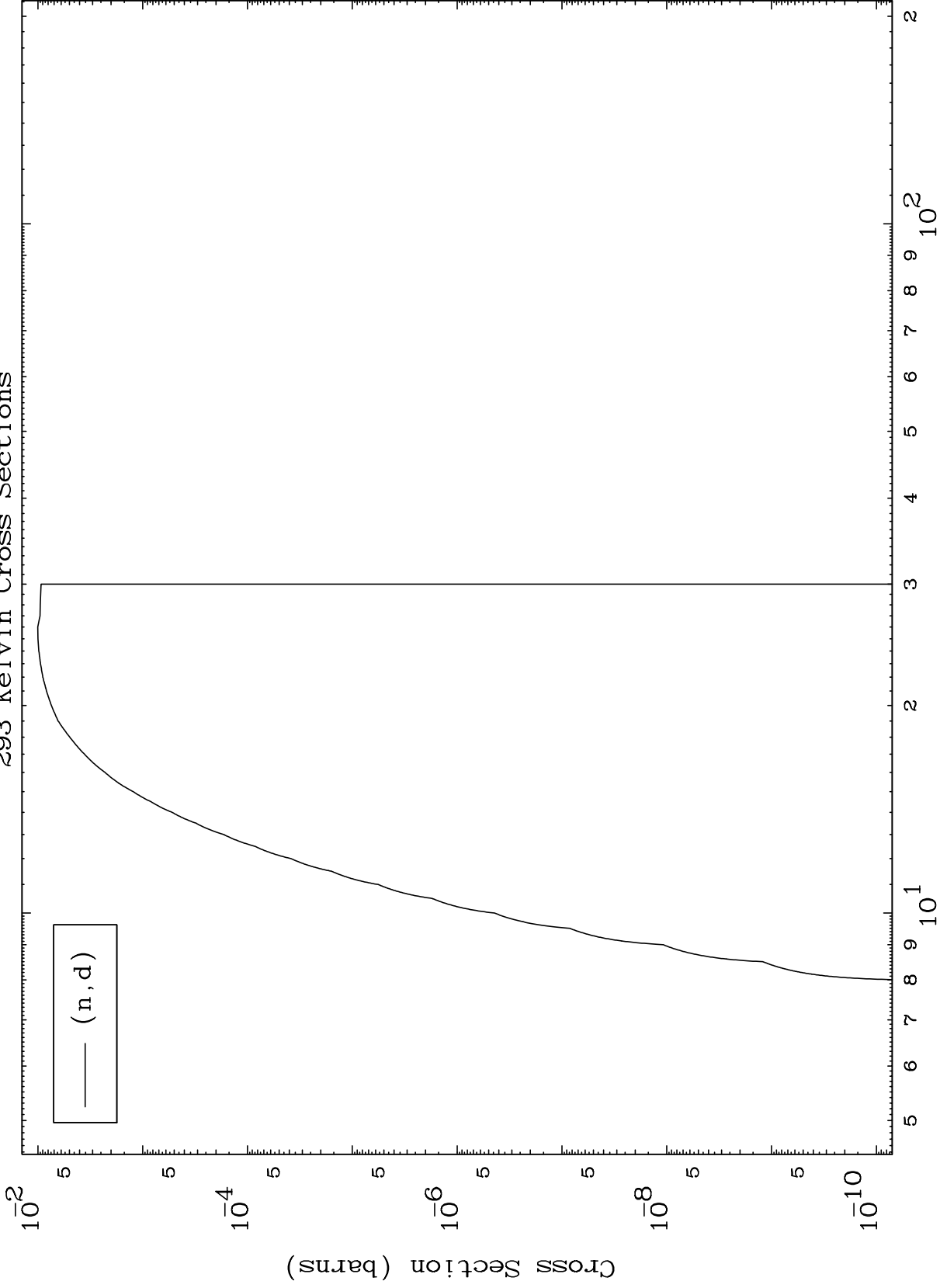
59-Pr-146

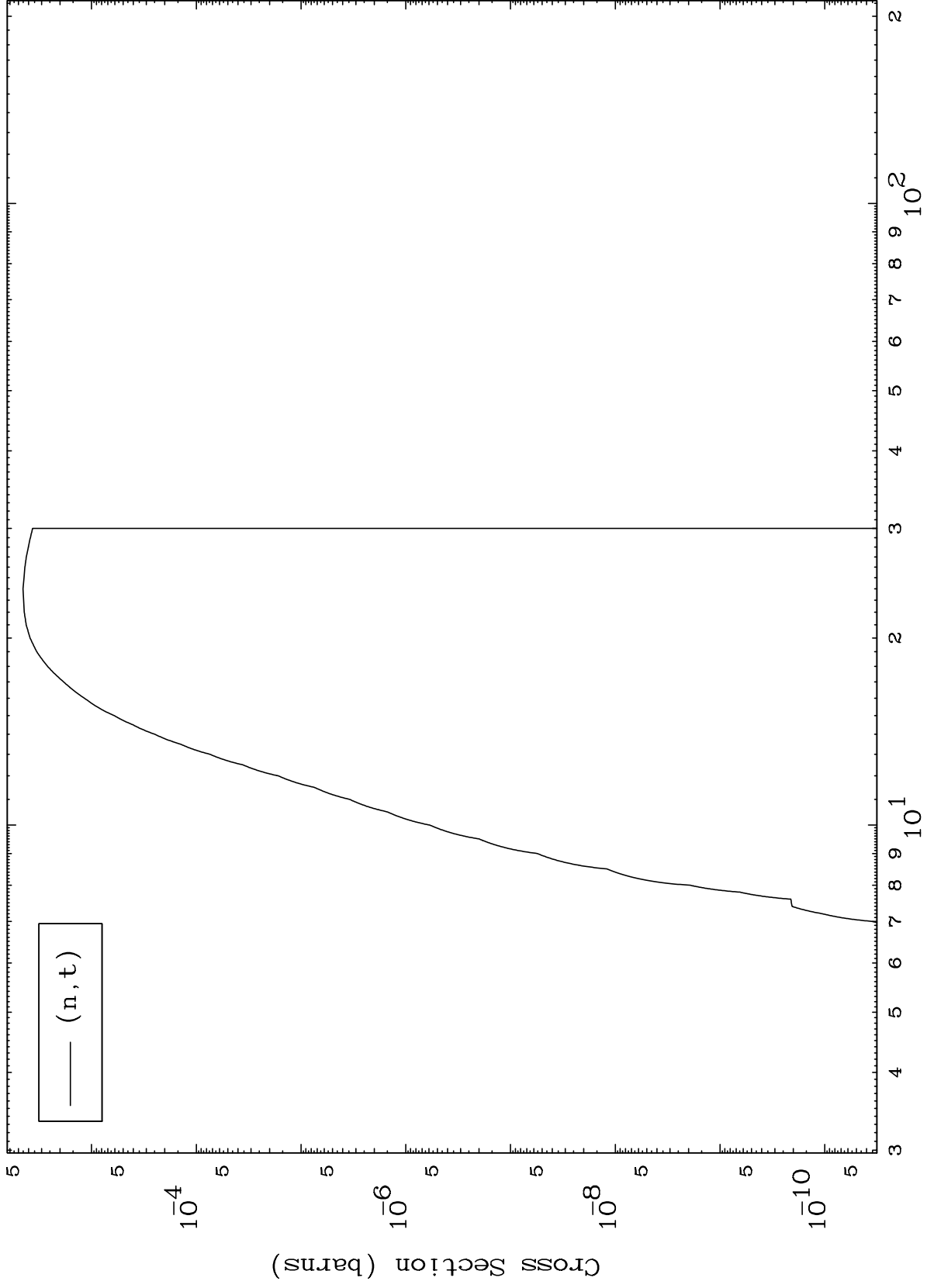


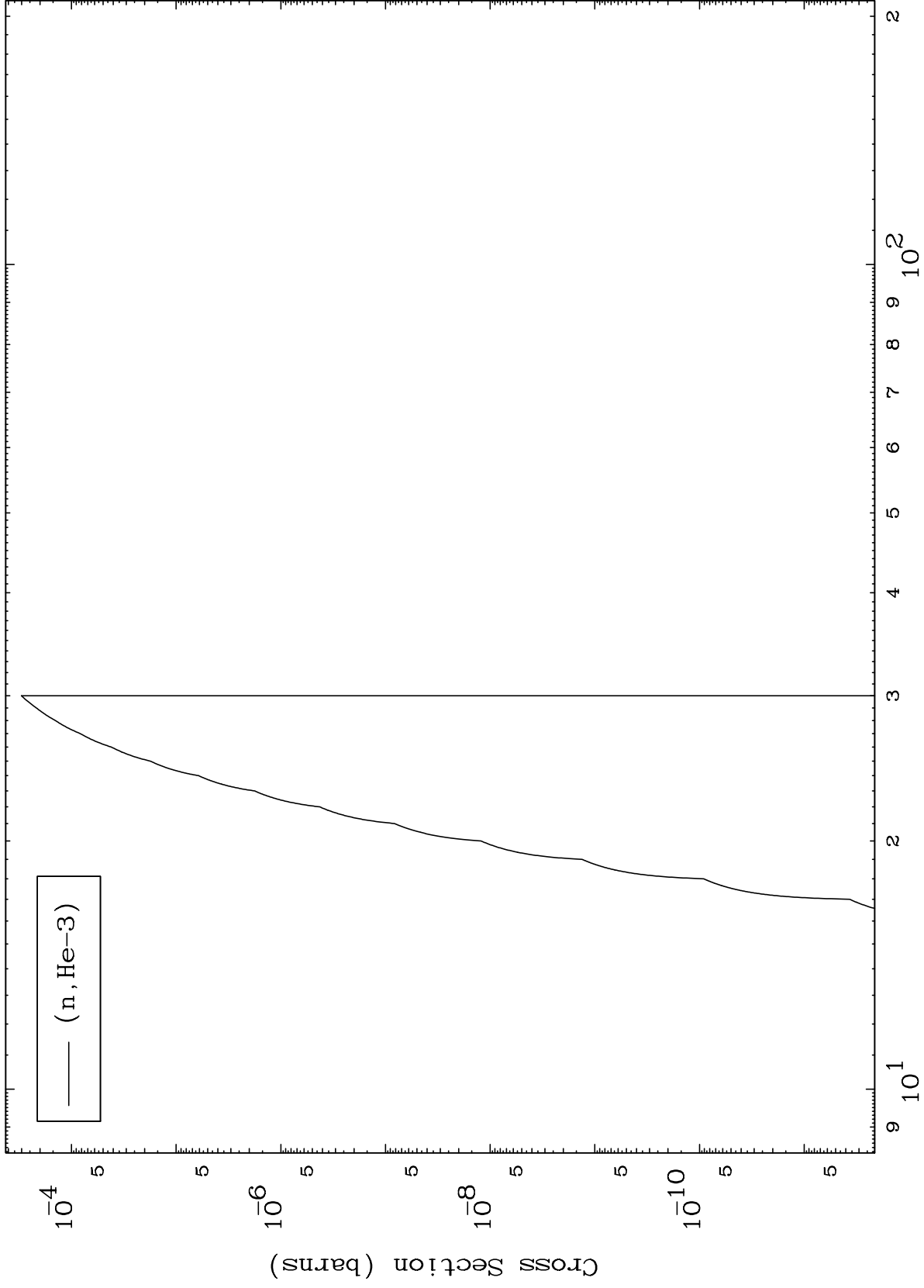
10

Incident Energy (MeV)

59-Pr-146



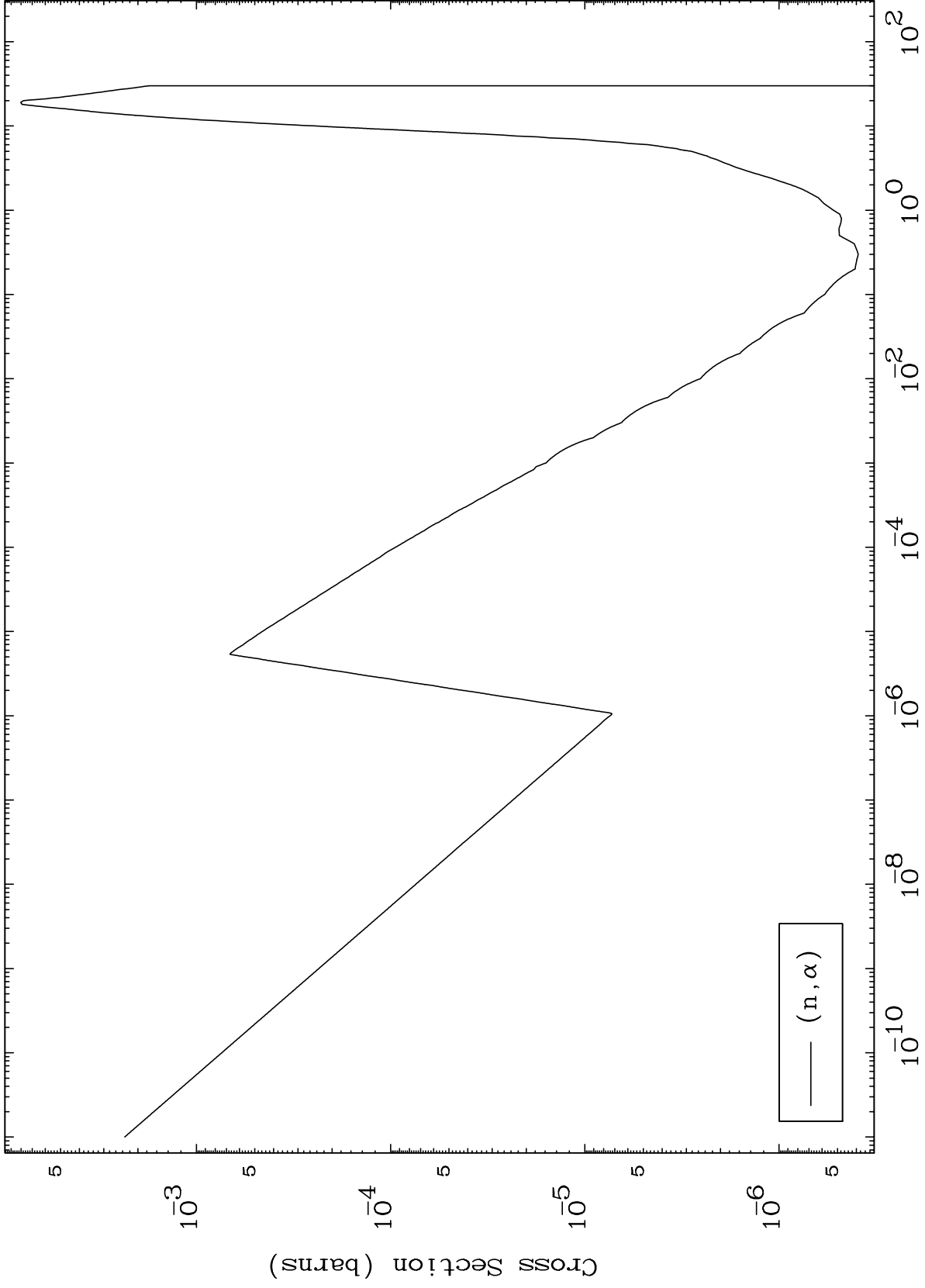


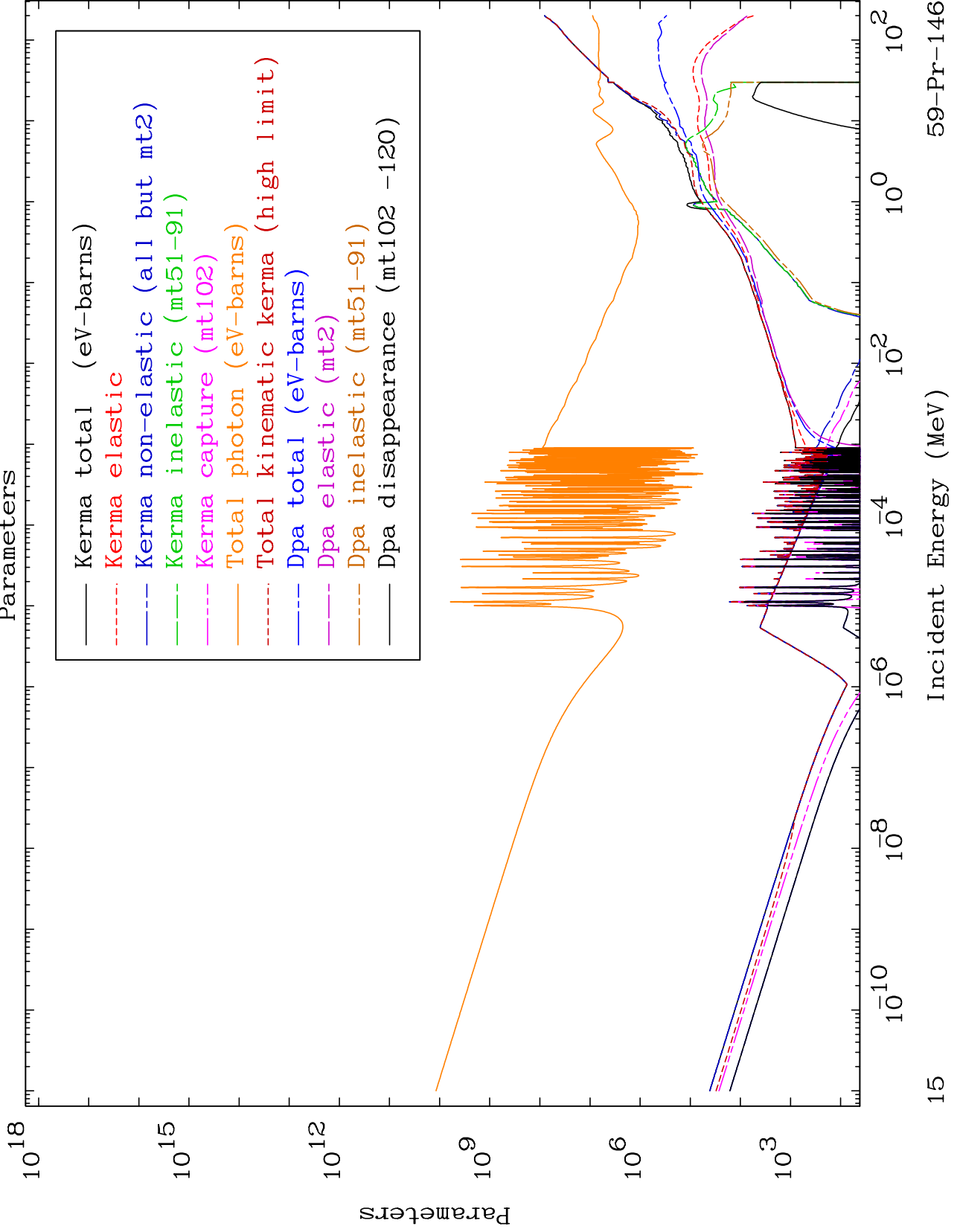


MAT 5940

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

59-Pr-146



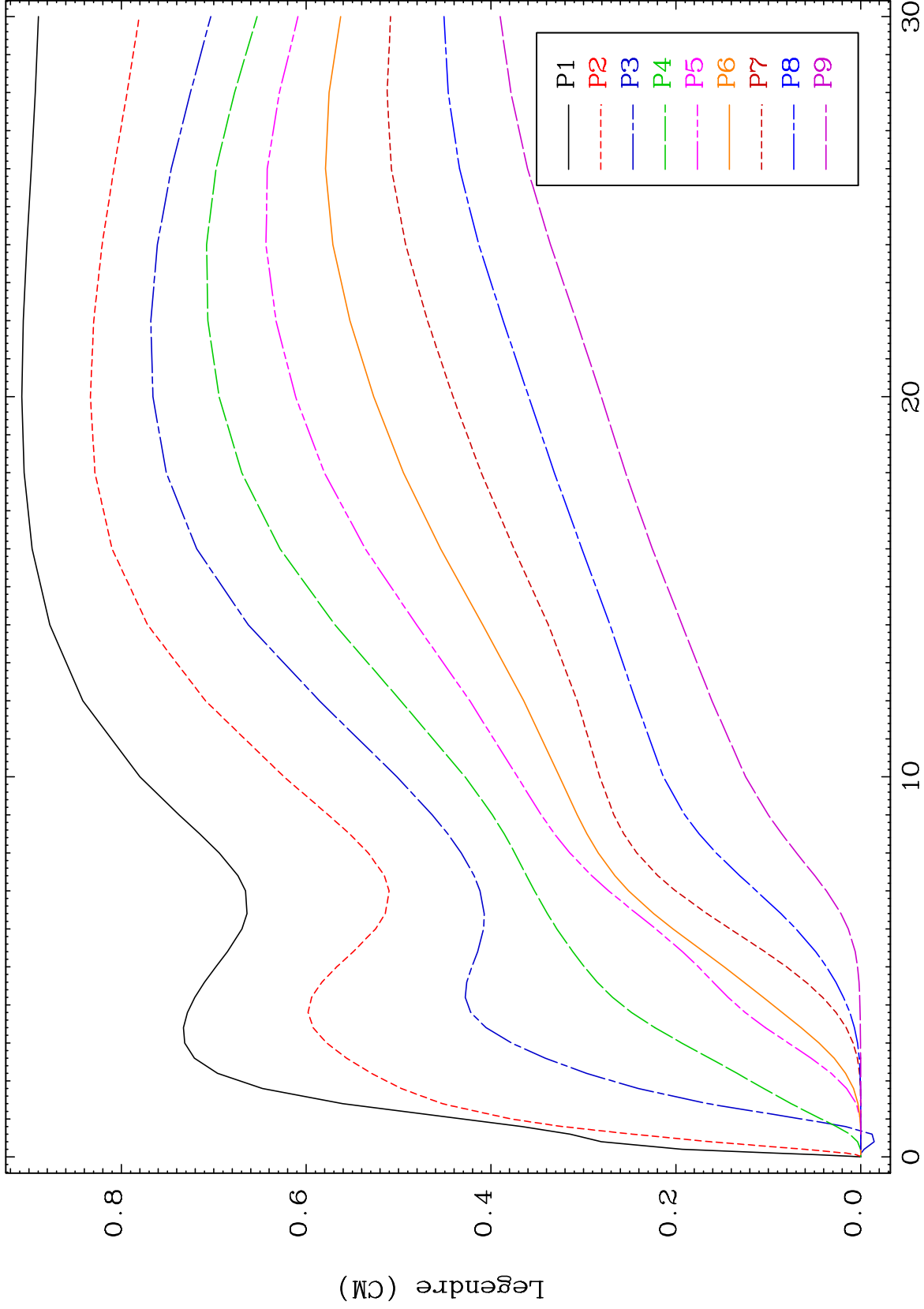




MAT 5940

Elastic Legendre Coefficients

59-Pr-146



16

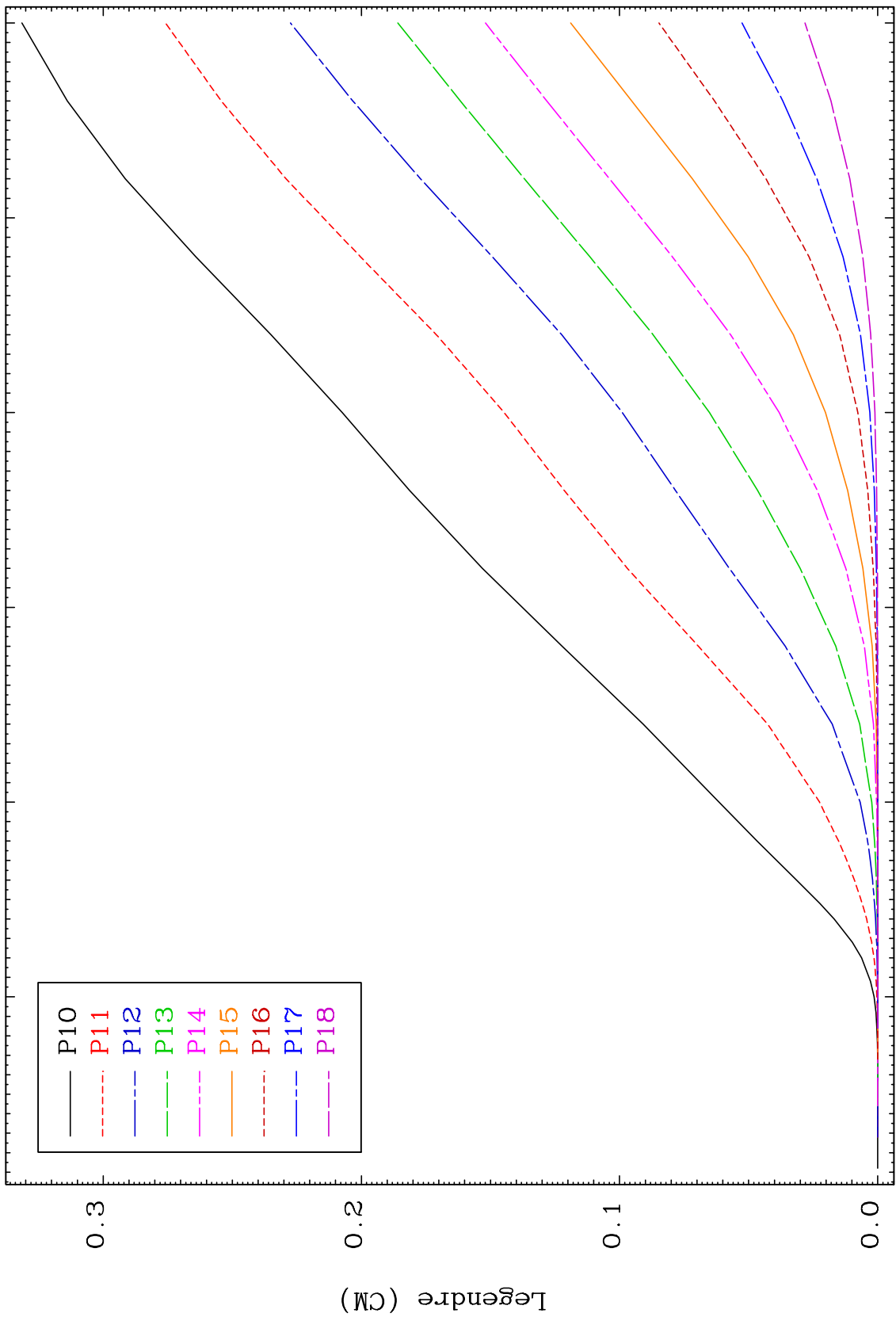
Incident Energy (MeV)

59-Pr-146

MAT 5940

Elastic Legendre Coefficients

59-Pr-146



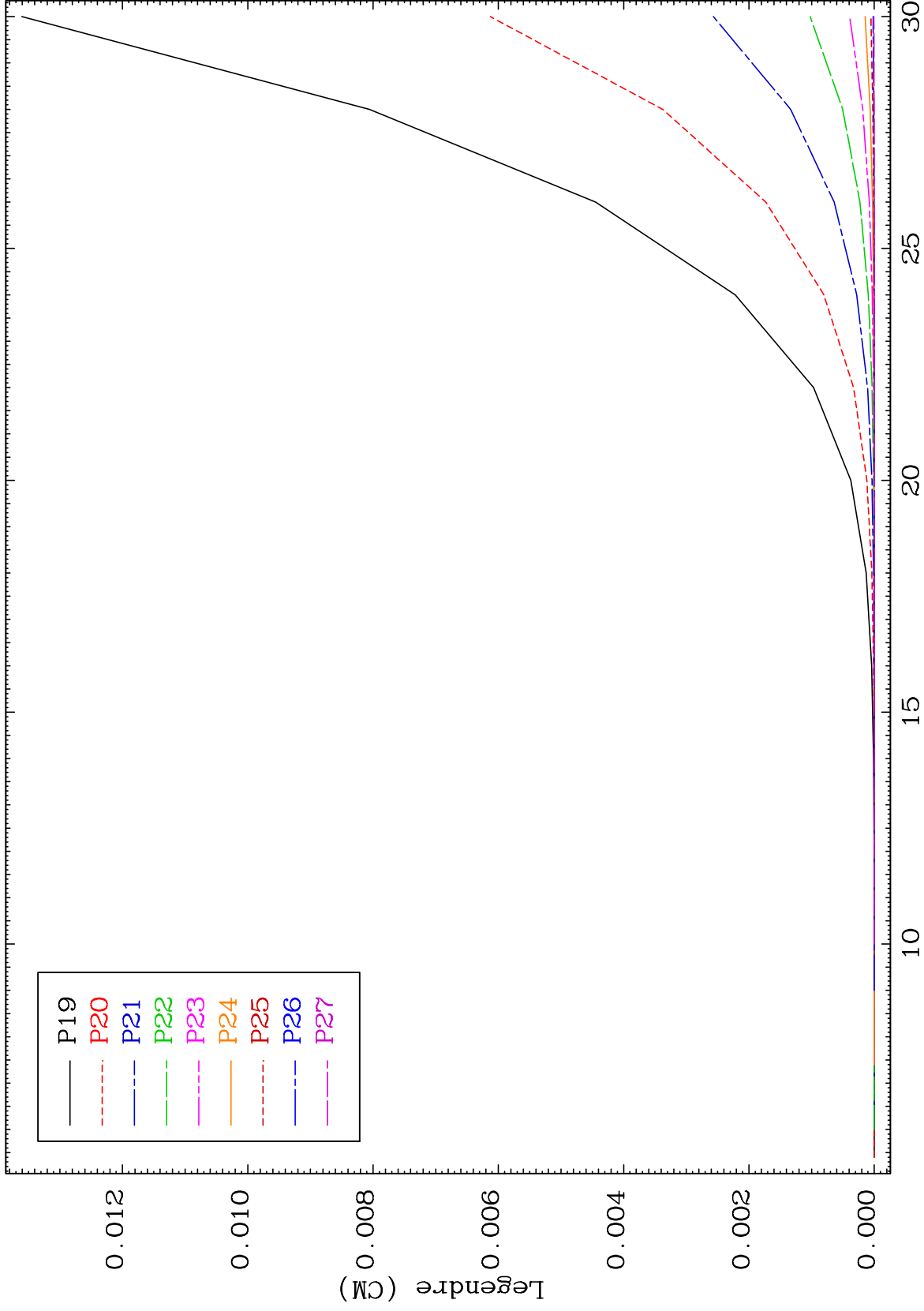
17

59-Pr-146

MAT 5940

### Elastic Legendre Coefficients

59-Pr-146



18

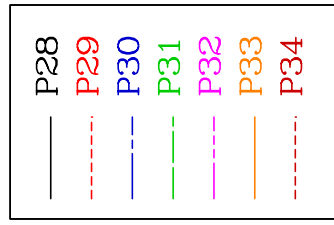
Incident Energy (MeV)

59-Pr-146

MAT 5940

Elastic  
Legendre Coefficients

59-Pr-146



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

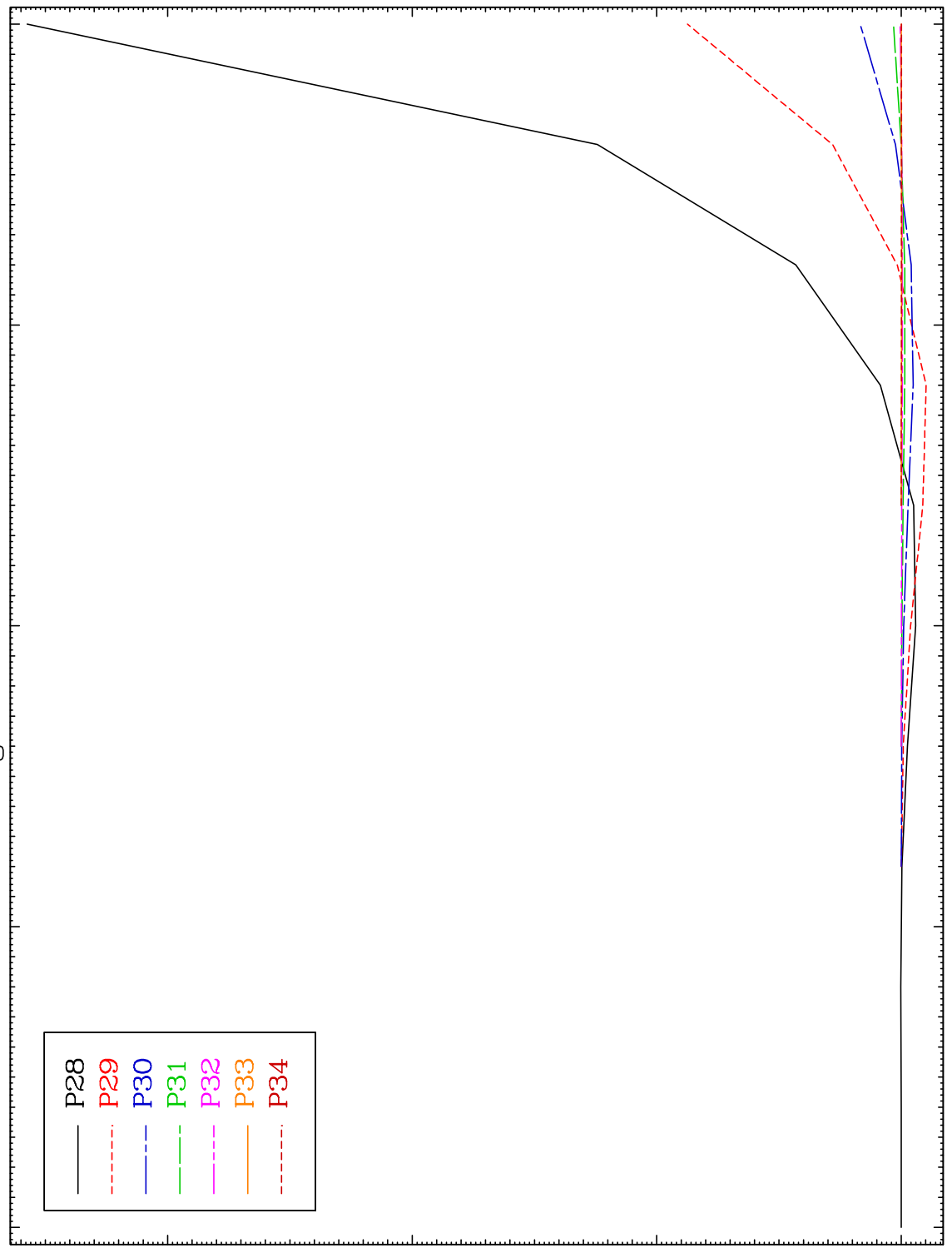
25

30

19

Incident Energy (MeV)

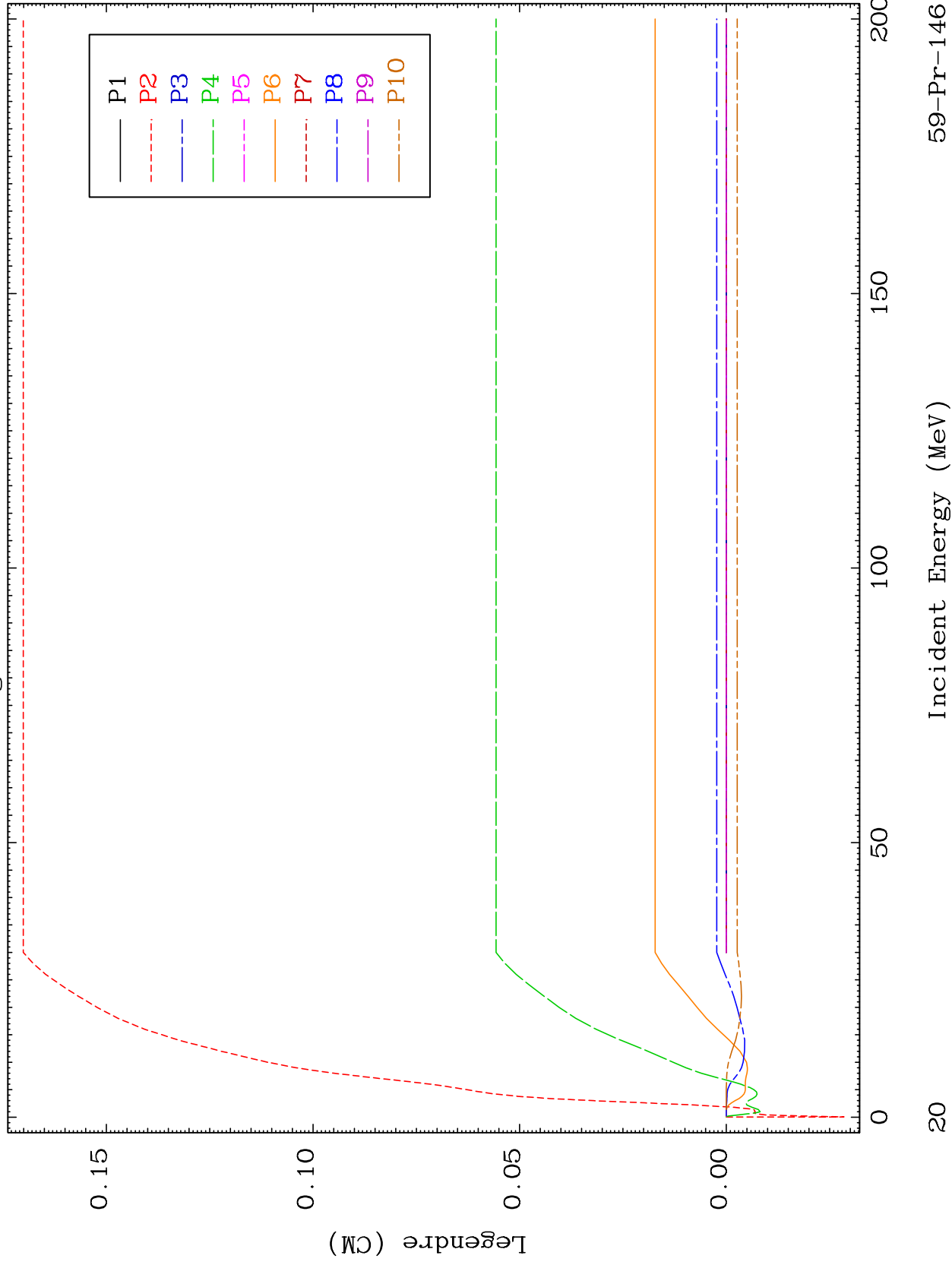
59-Pr-146



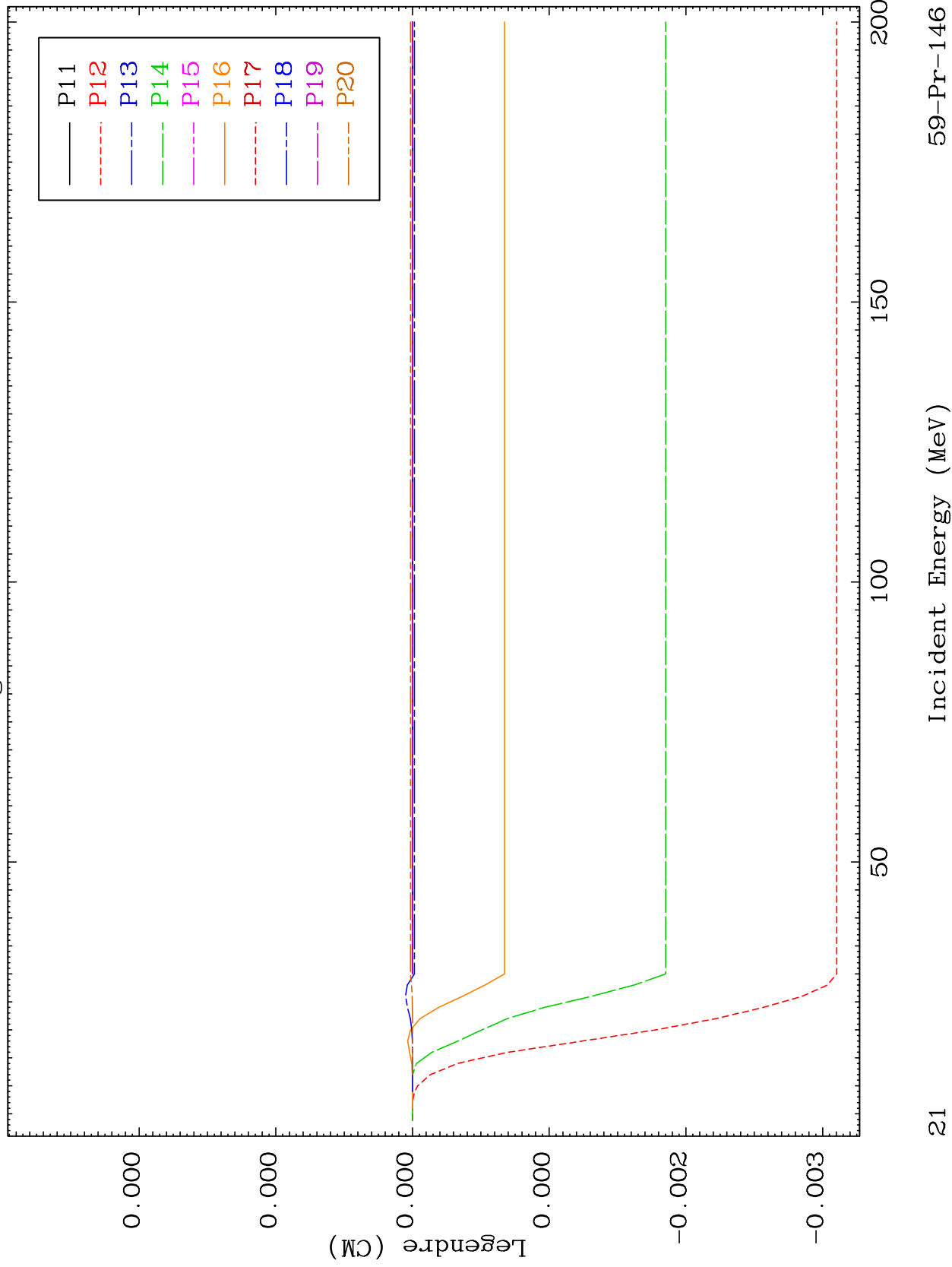
MAT 5940

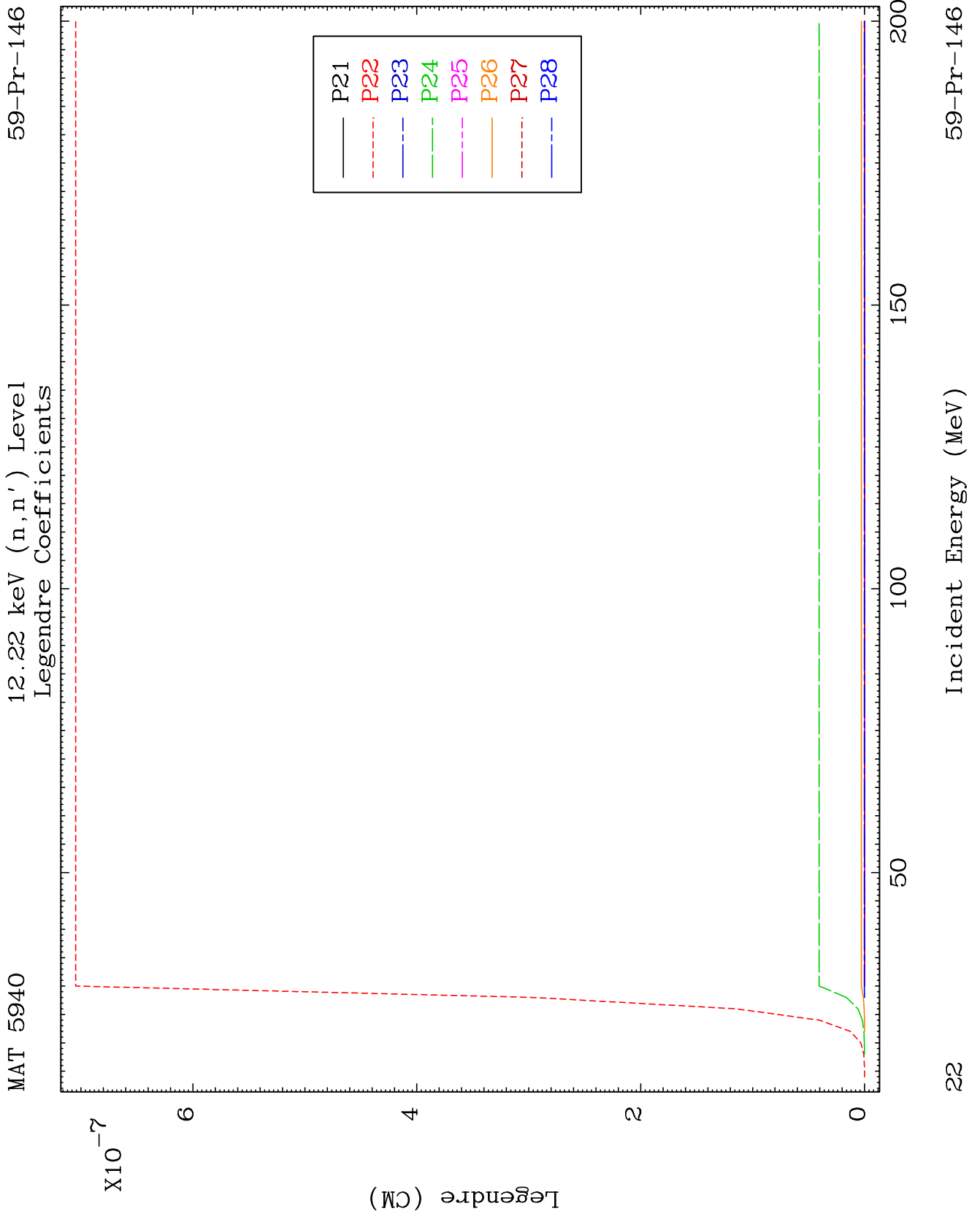
12.22 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



59-Pr-146

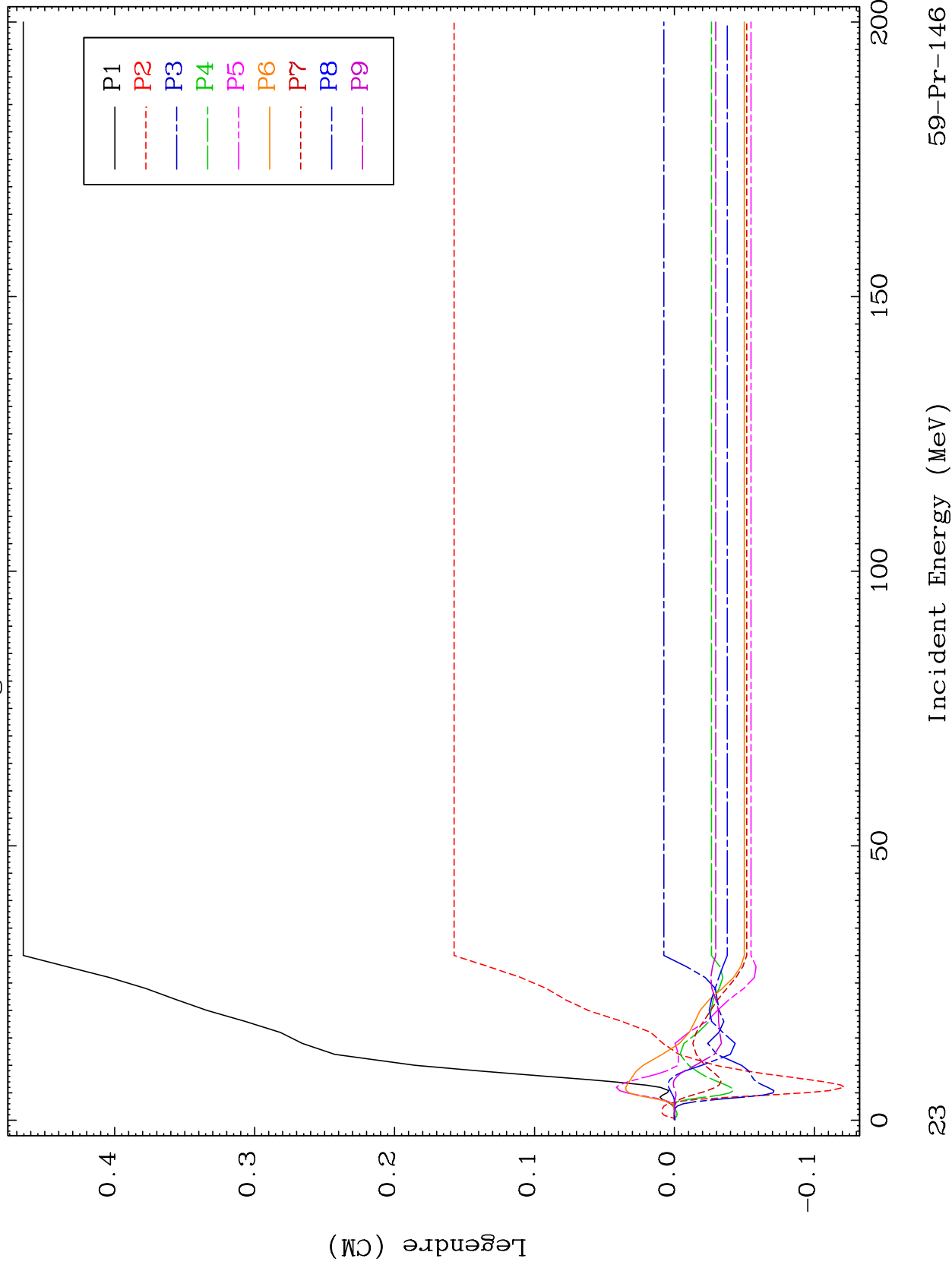




MAT 5940

35.05 keV (n,n') Level  
Legendre Coefficients

59-Pr-146

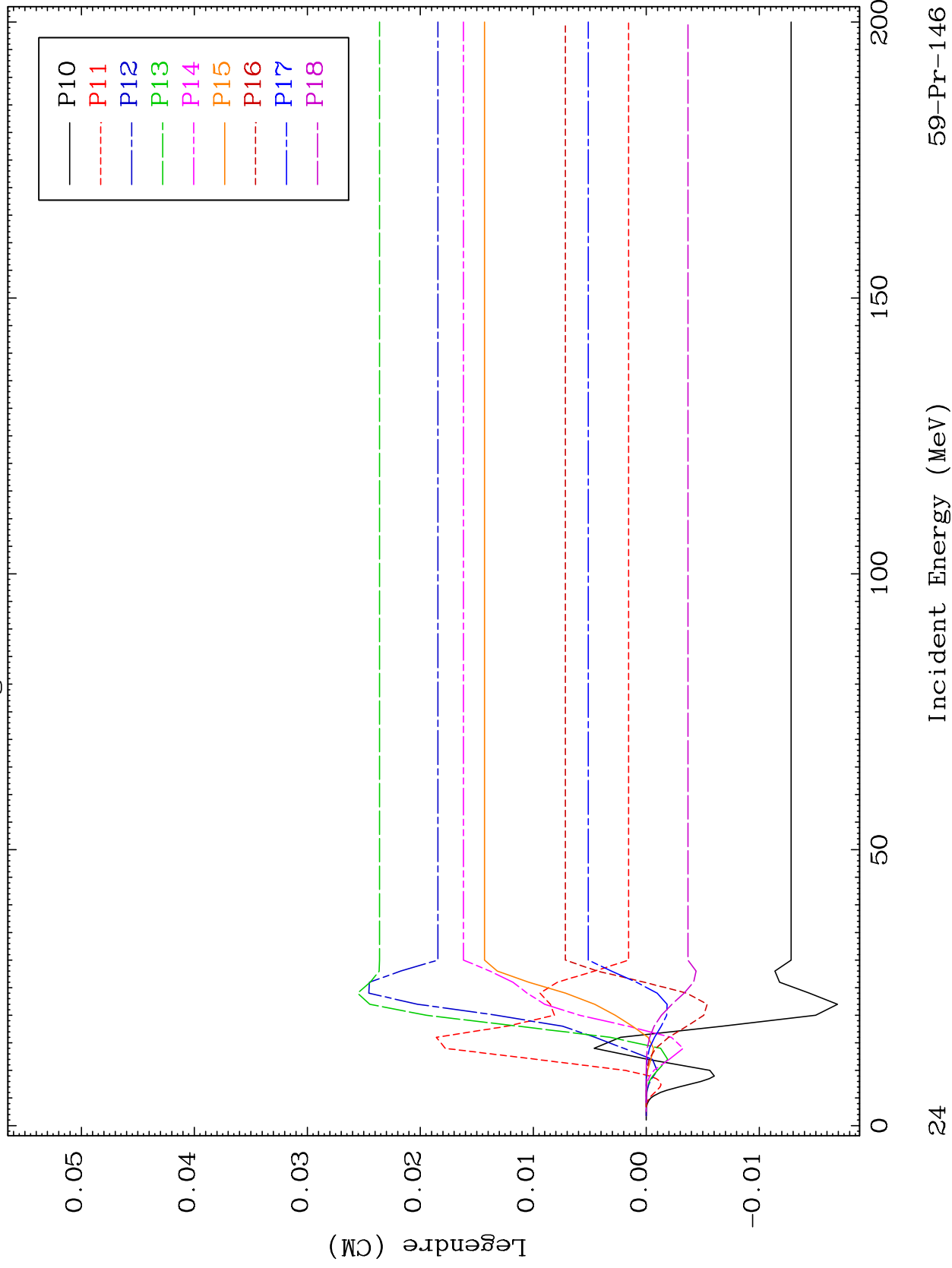




MAT 5940

35.05 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



59-Pr-146

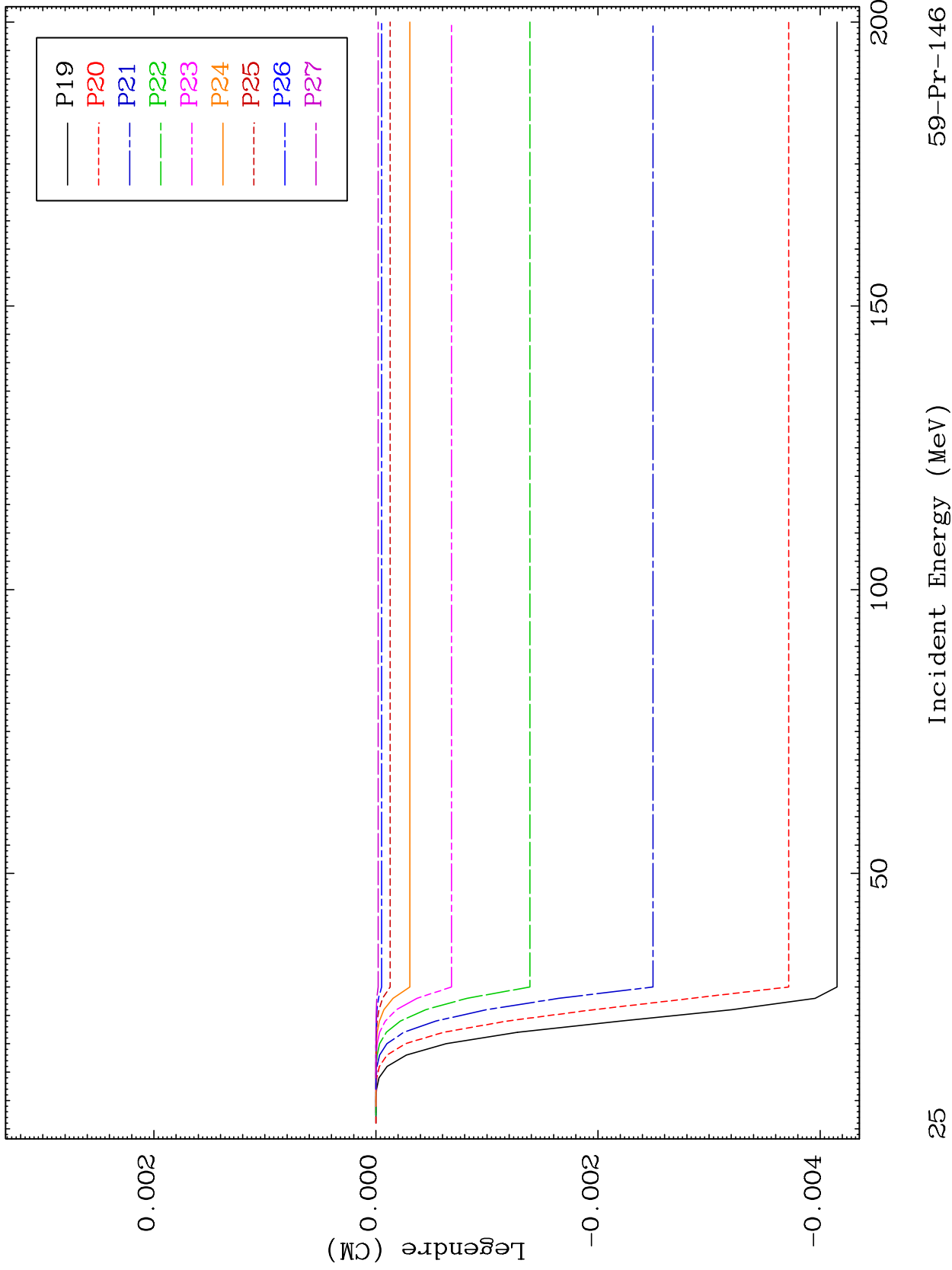
Incident Energy (MeV)

24

MAT 5940

35.05 keV (n,n') Level  
Legendre Coefficients

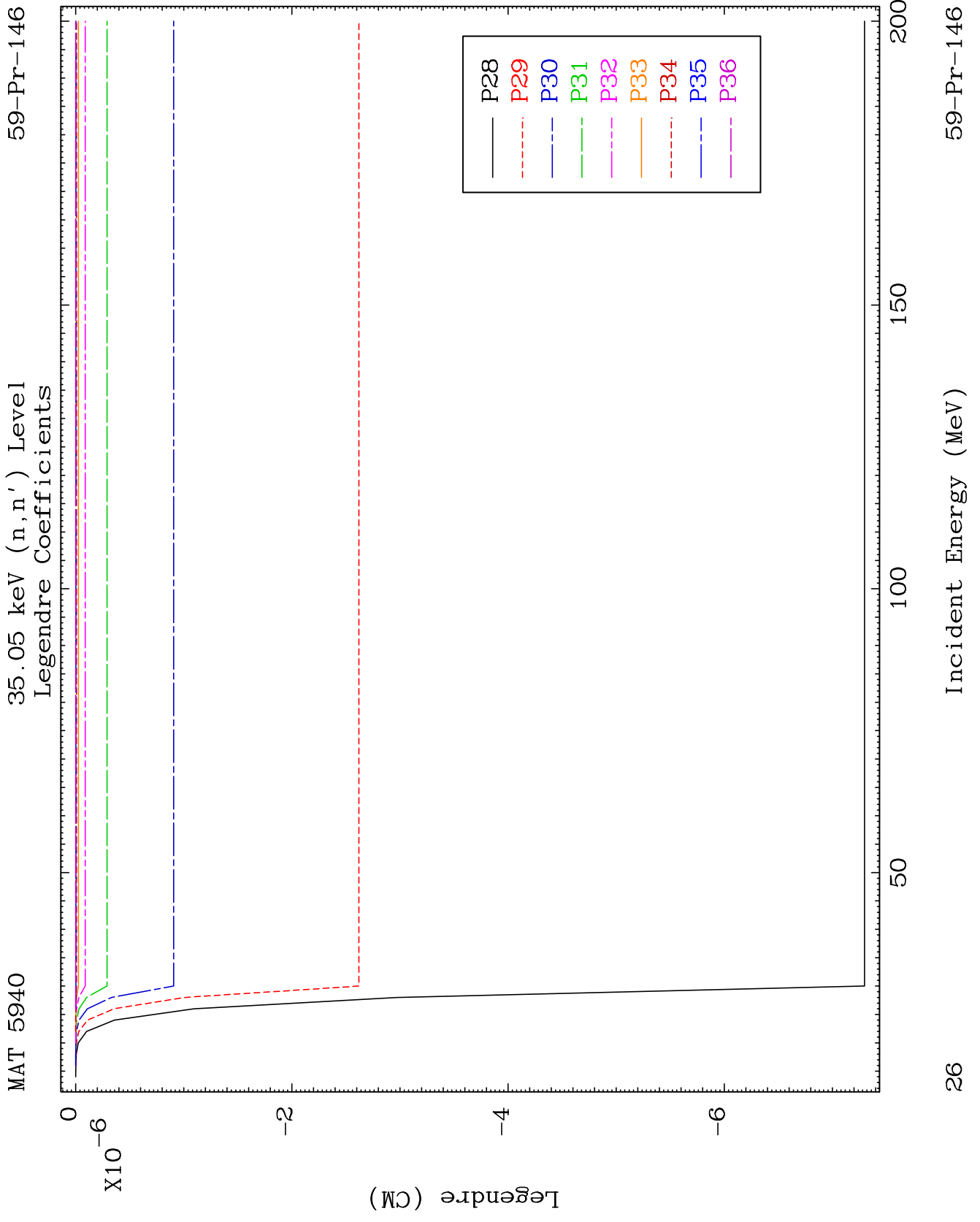
59-Pr-146

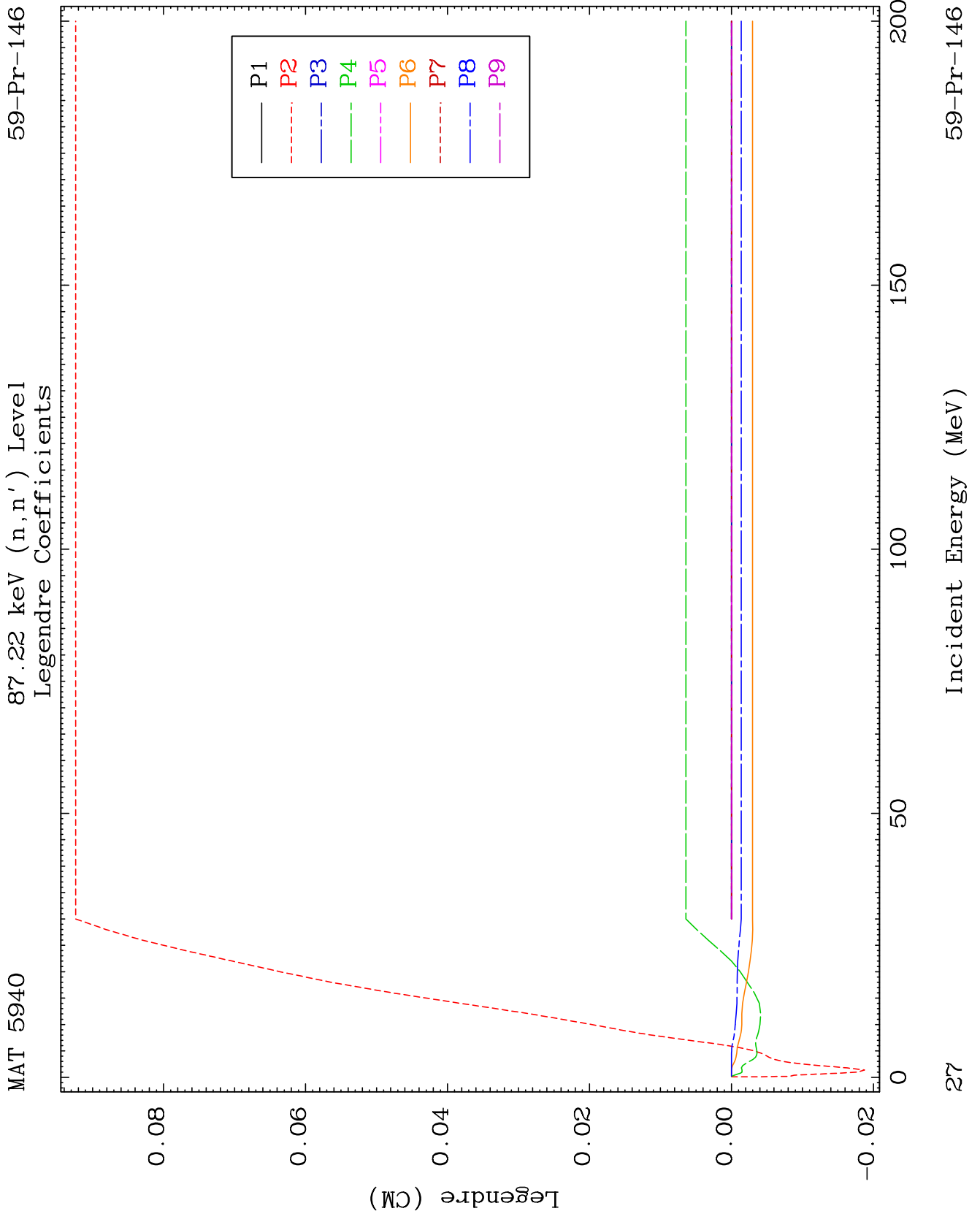


59-Pr-146

Incident Energy (MeV)

25

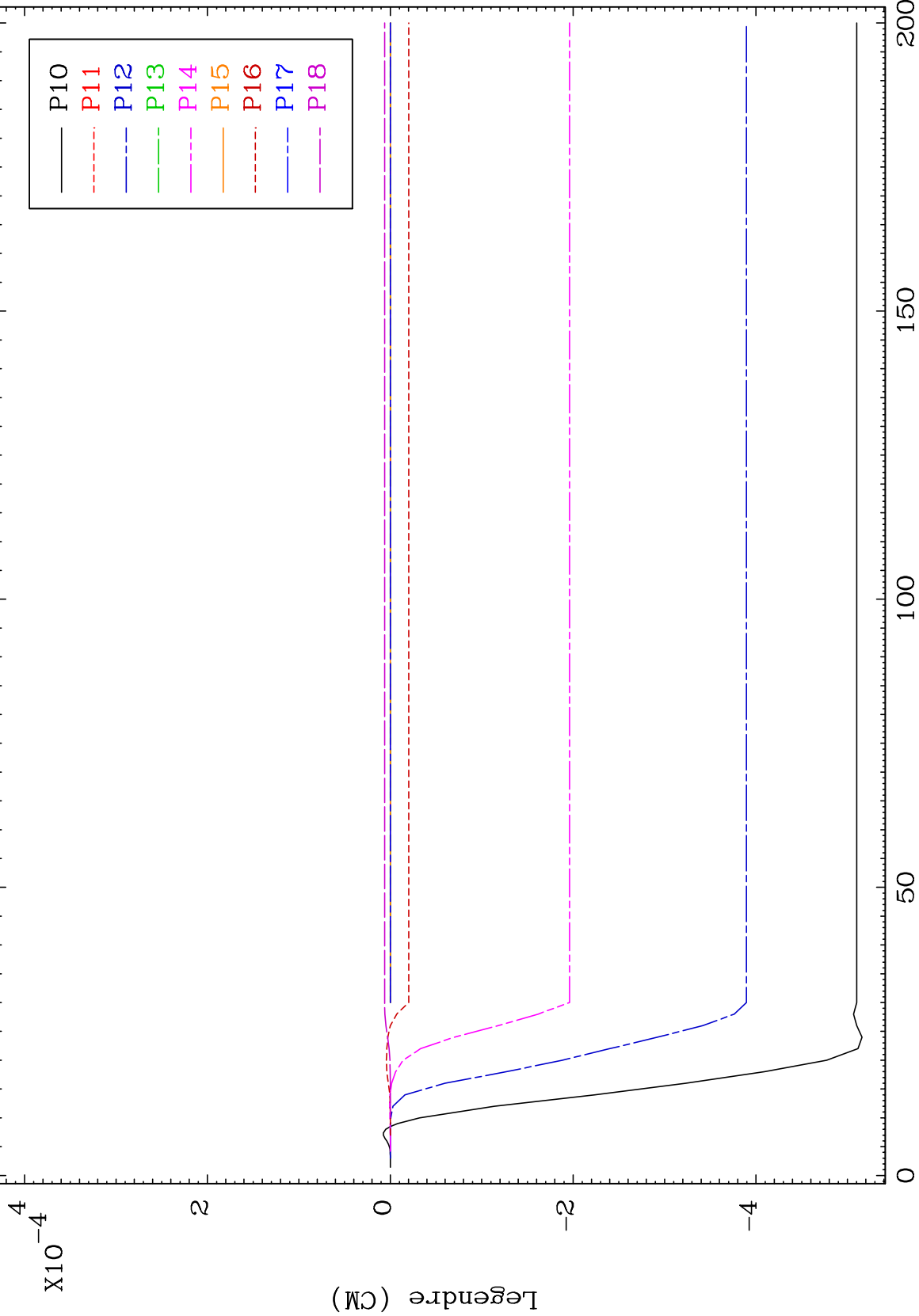




MAT 5940

87.22 keV (n,n') Level  
Legendre Coefficients

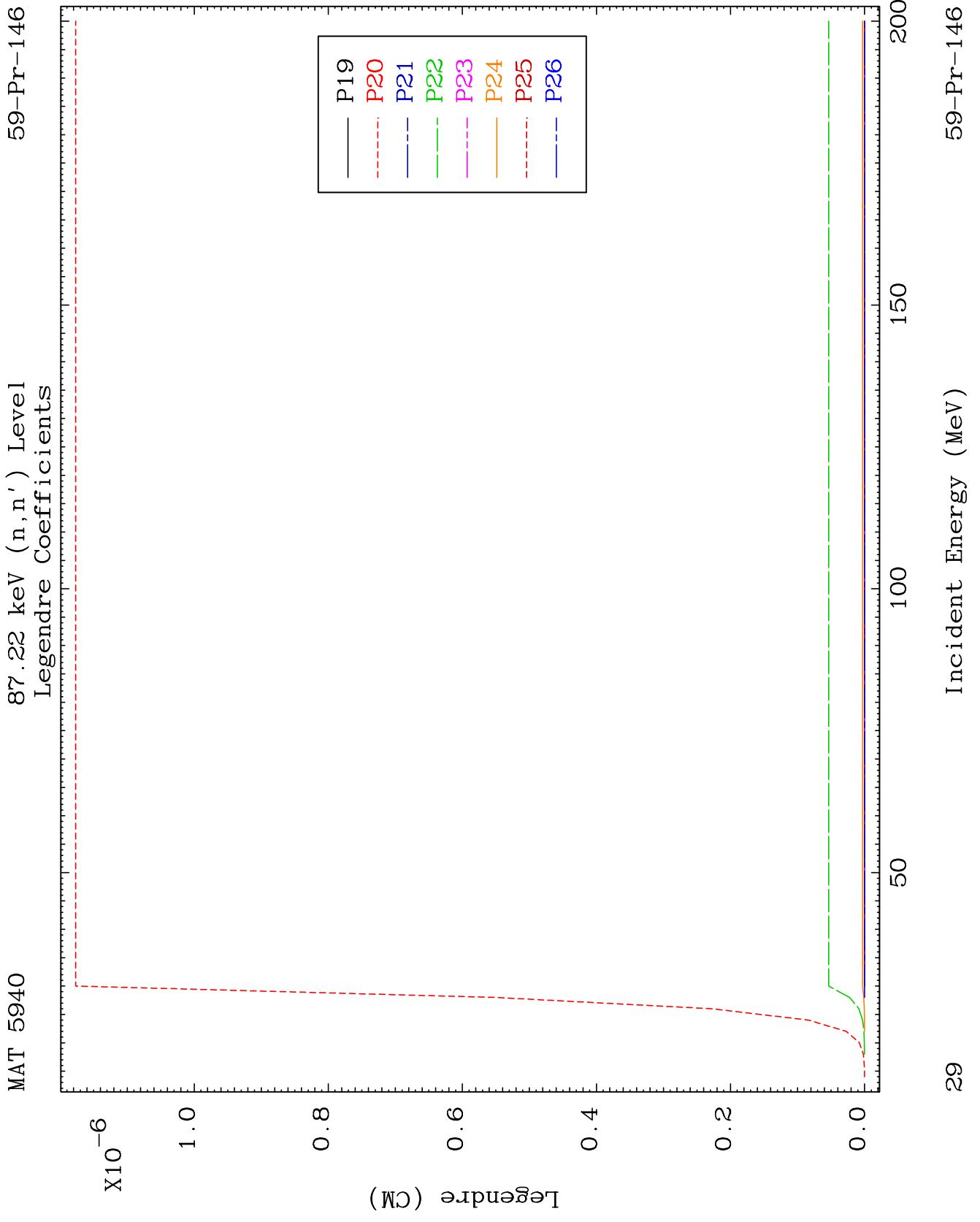
59-Pr-146

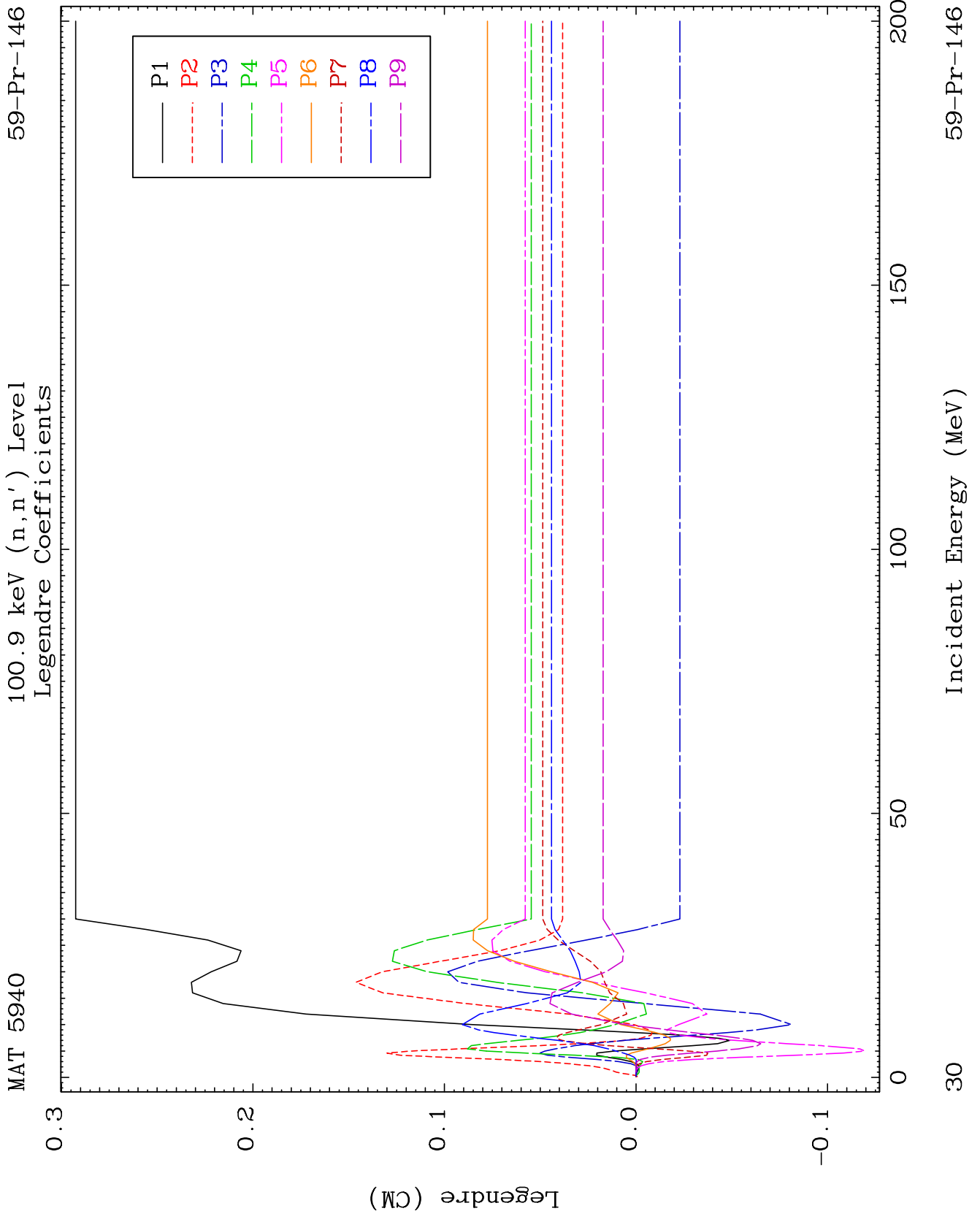


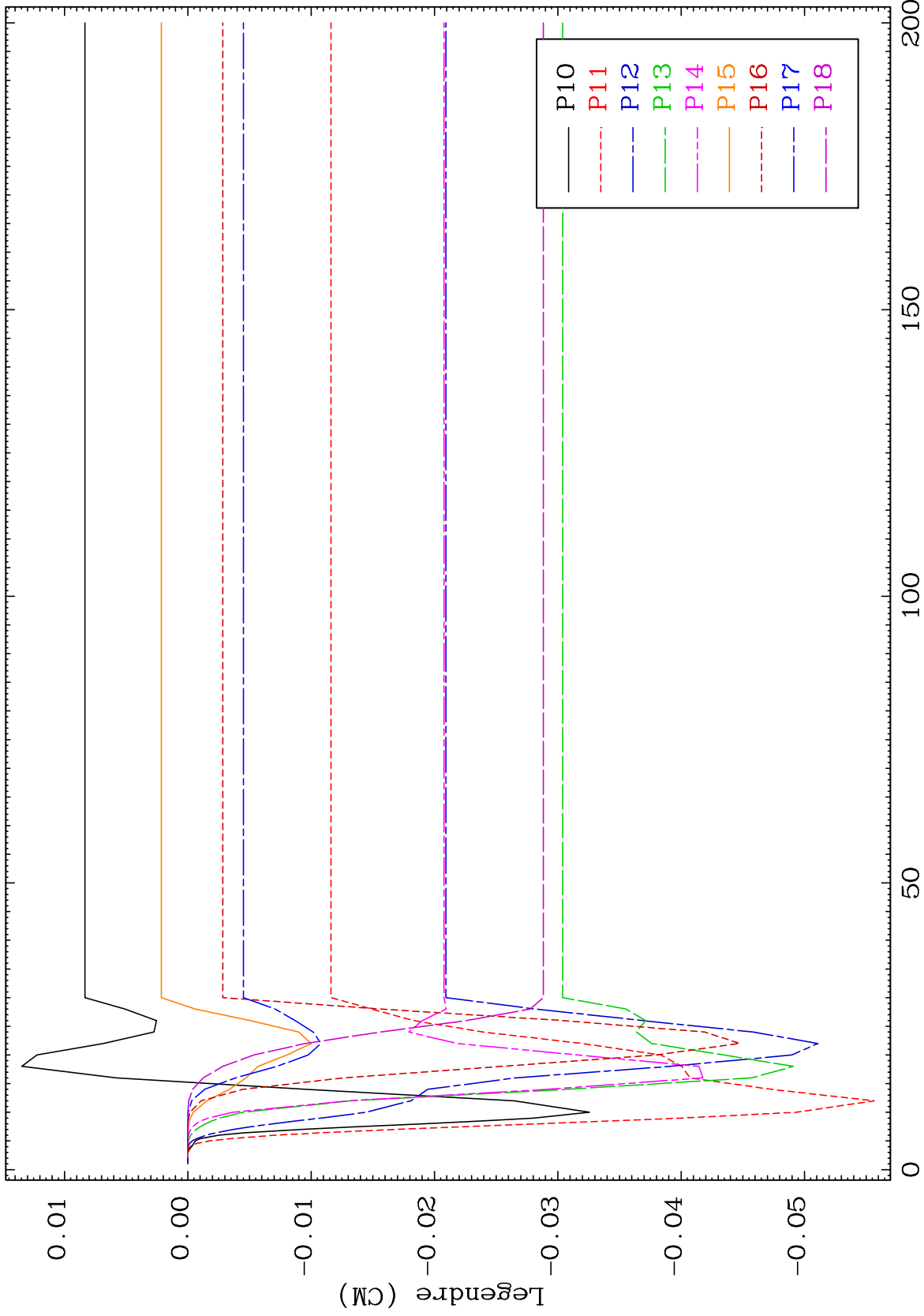
28

Incident Energy (MeV)

59-Pr-146





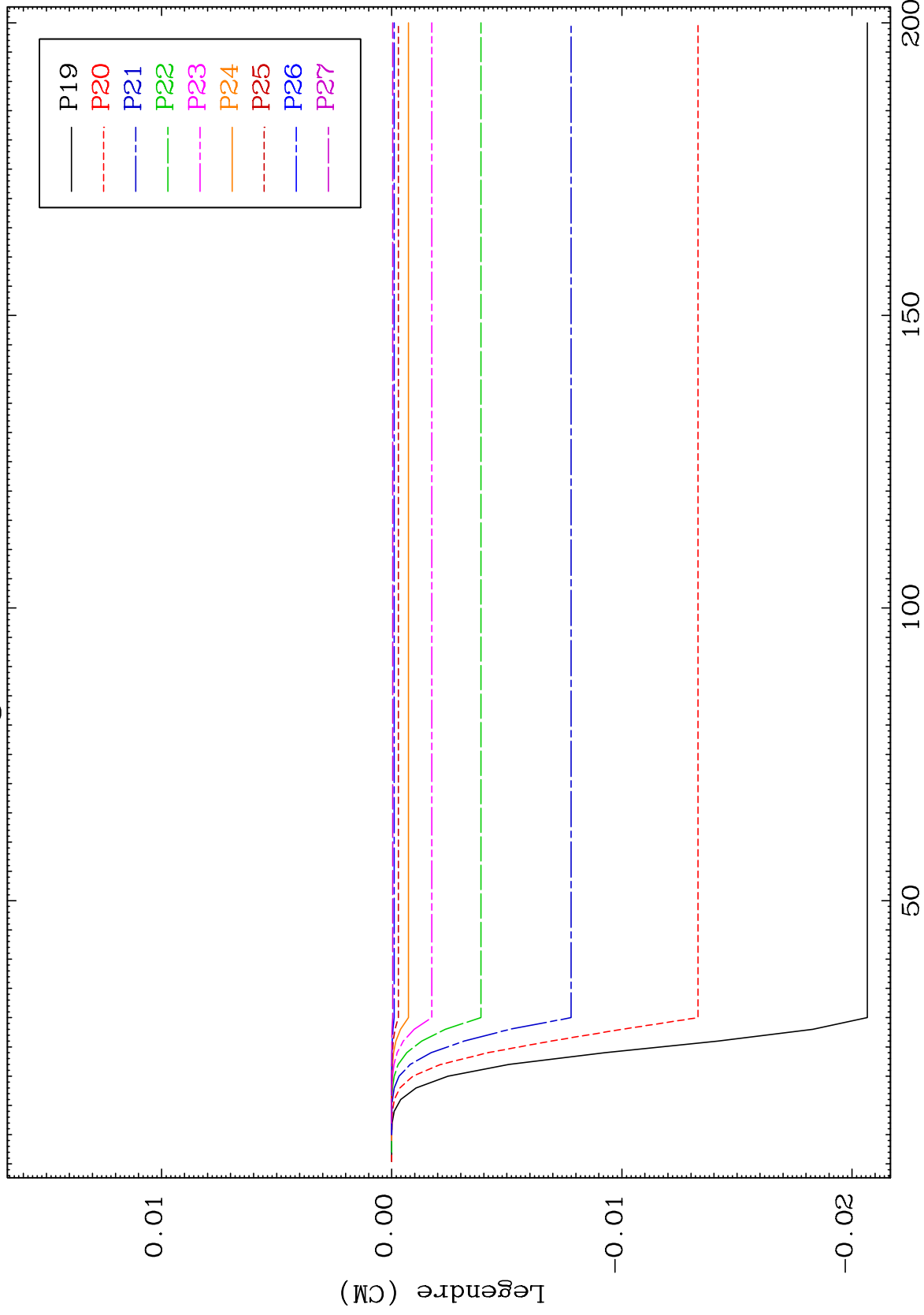




MAT 5940

100.9 keV (n,n') Level  
Legendre Coefficients

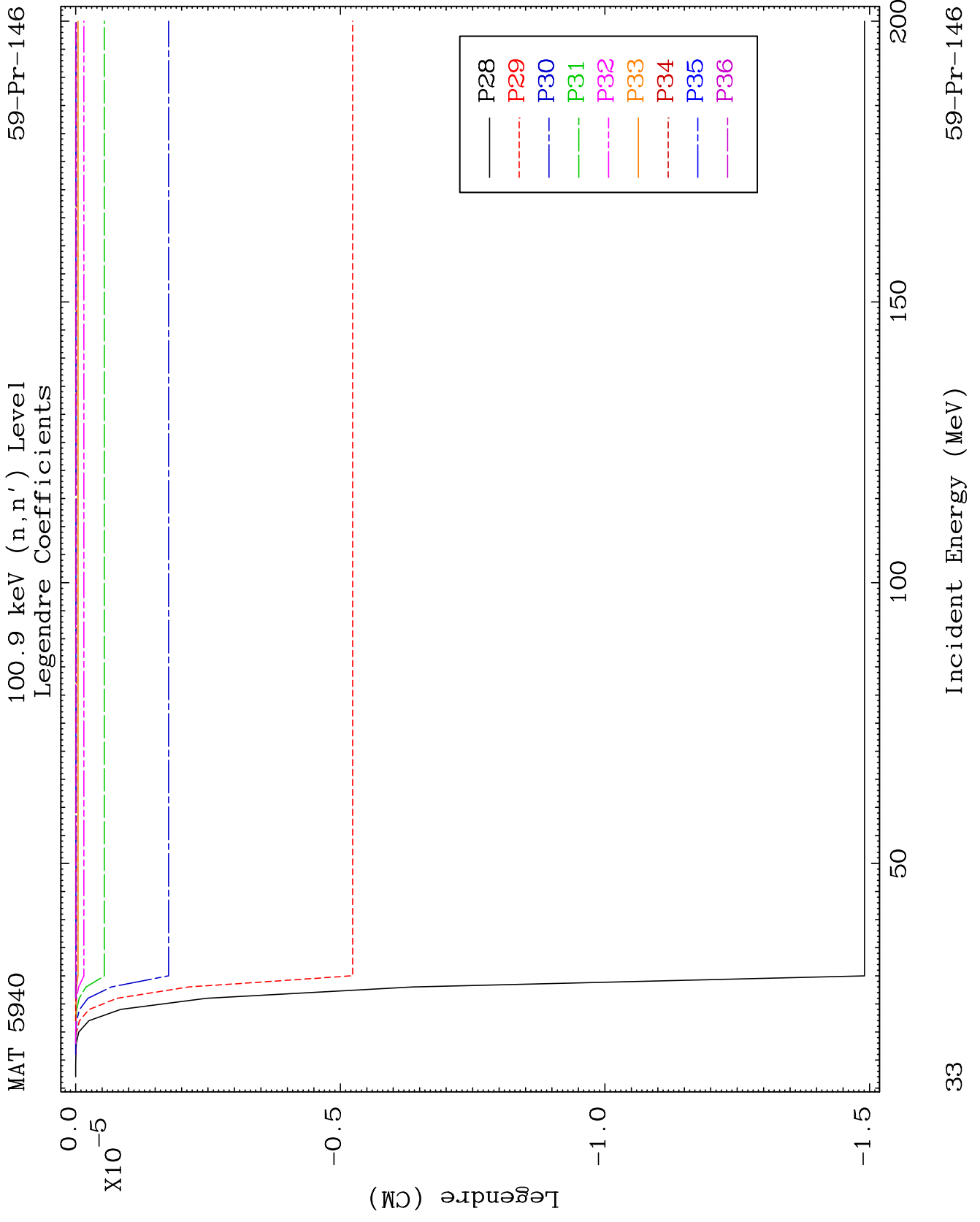
59-Pr-146



32

Incident Energy (MeV)

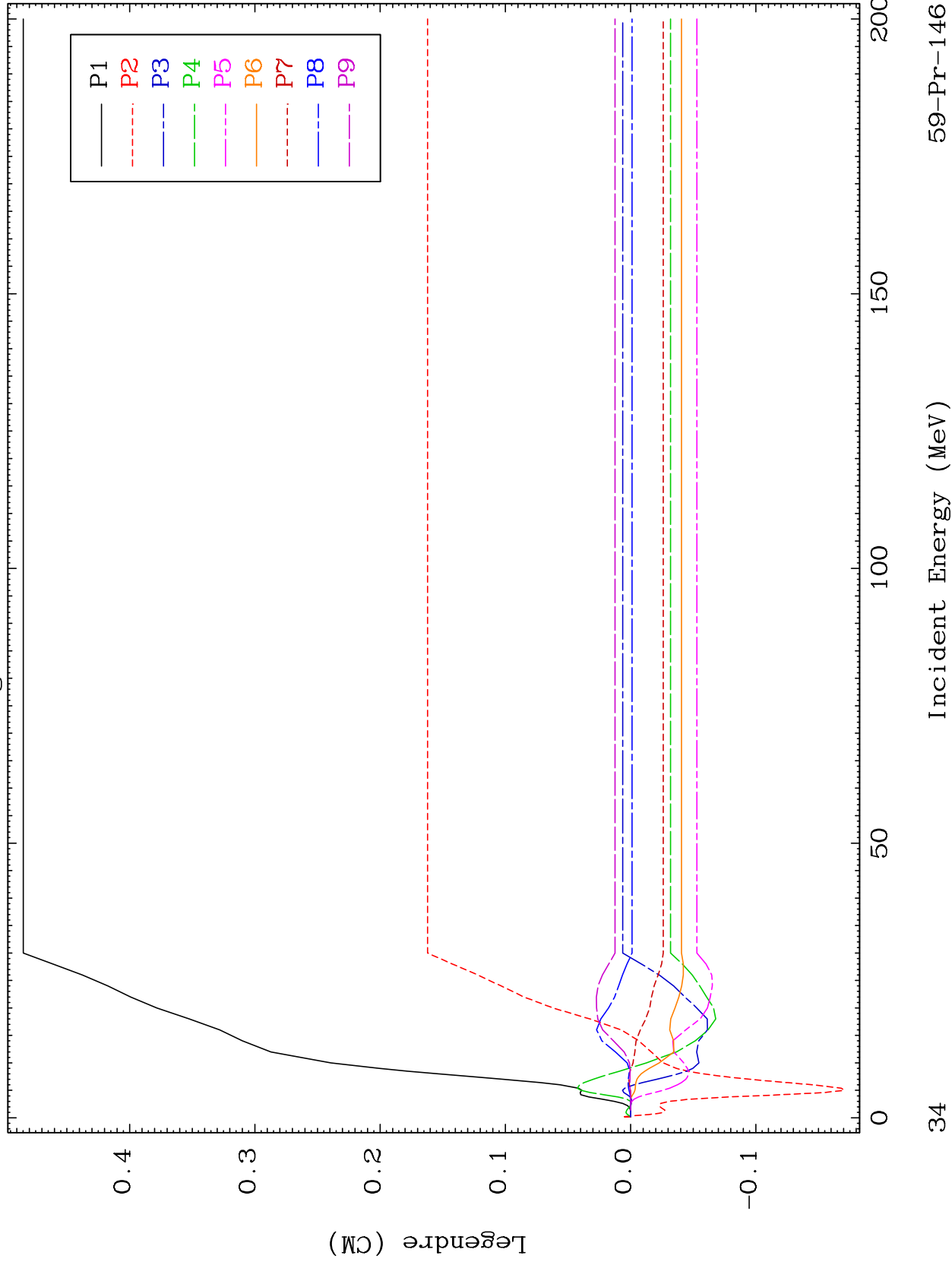
59-Pr-146



MAT 5940

133.5 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



59-Pr-146

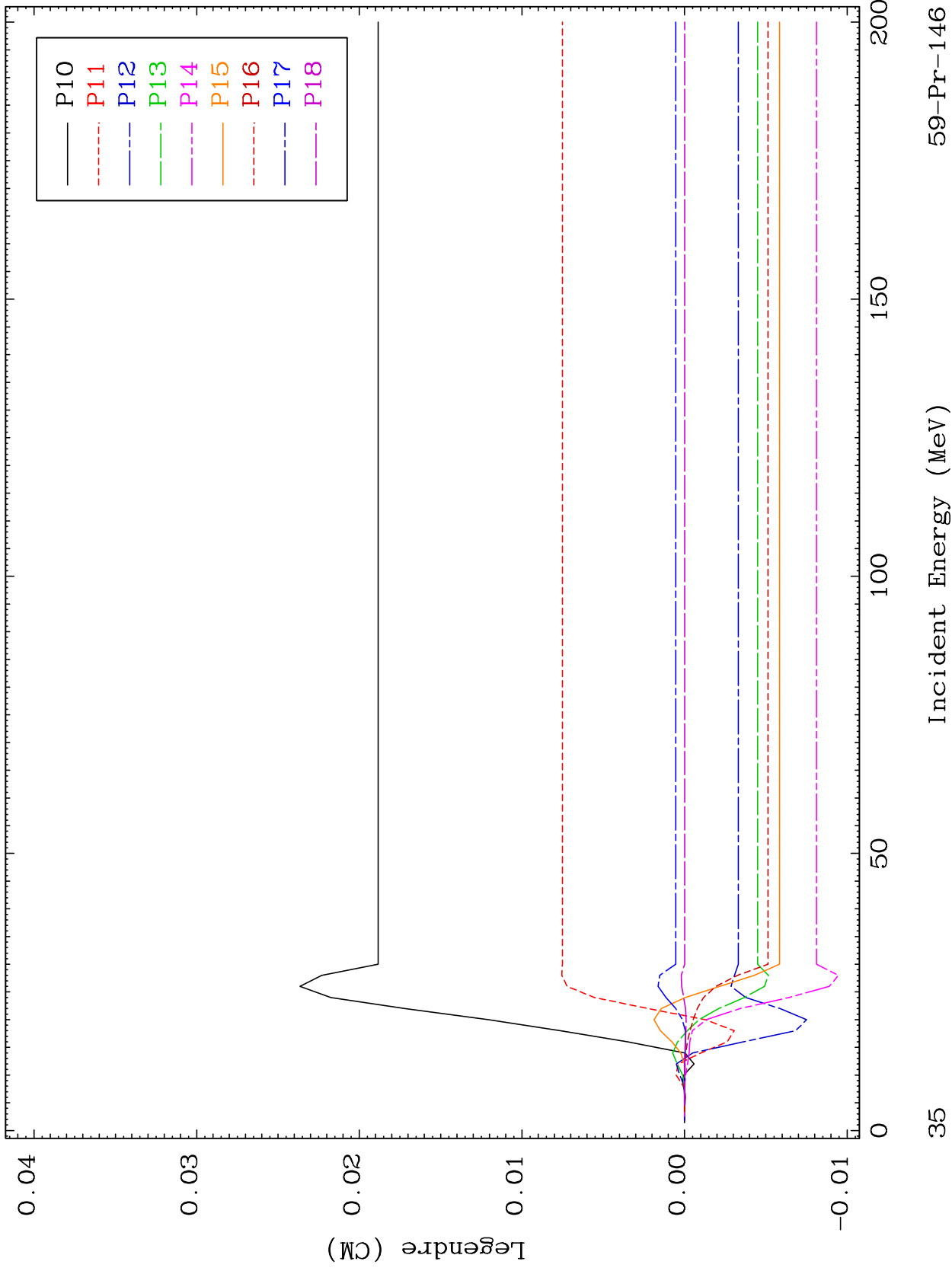
Incident Energy (MeV)

34

MAT 5940

133.5 keV (n,n') Level  
Legendre Coefficients

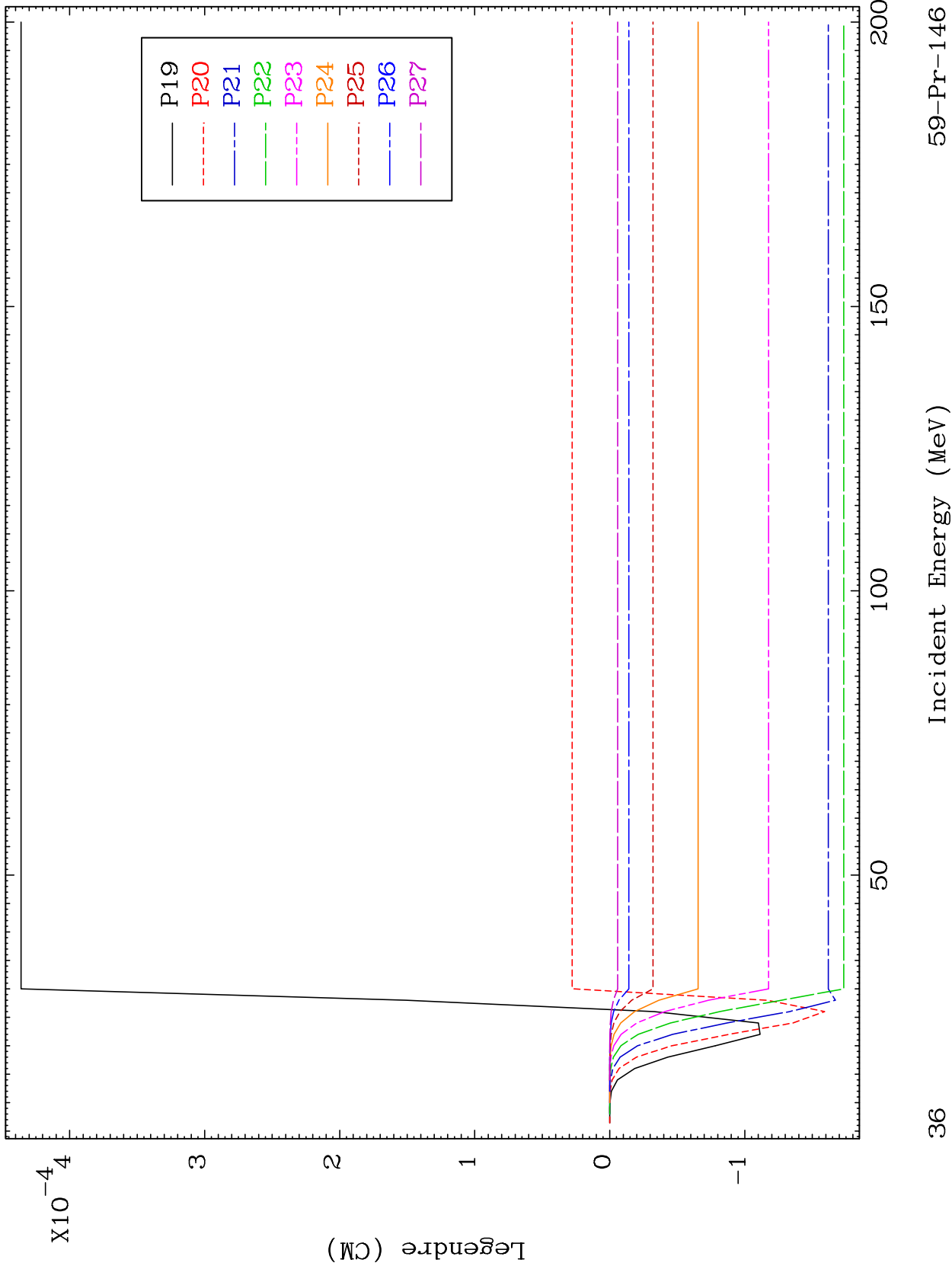
59-Pr-146

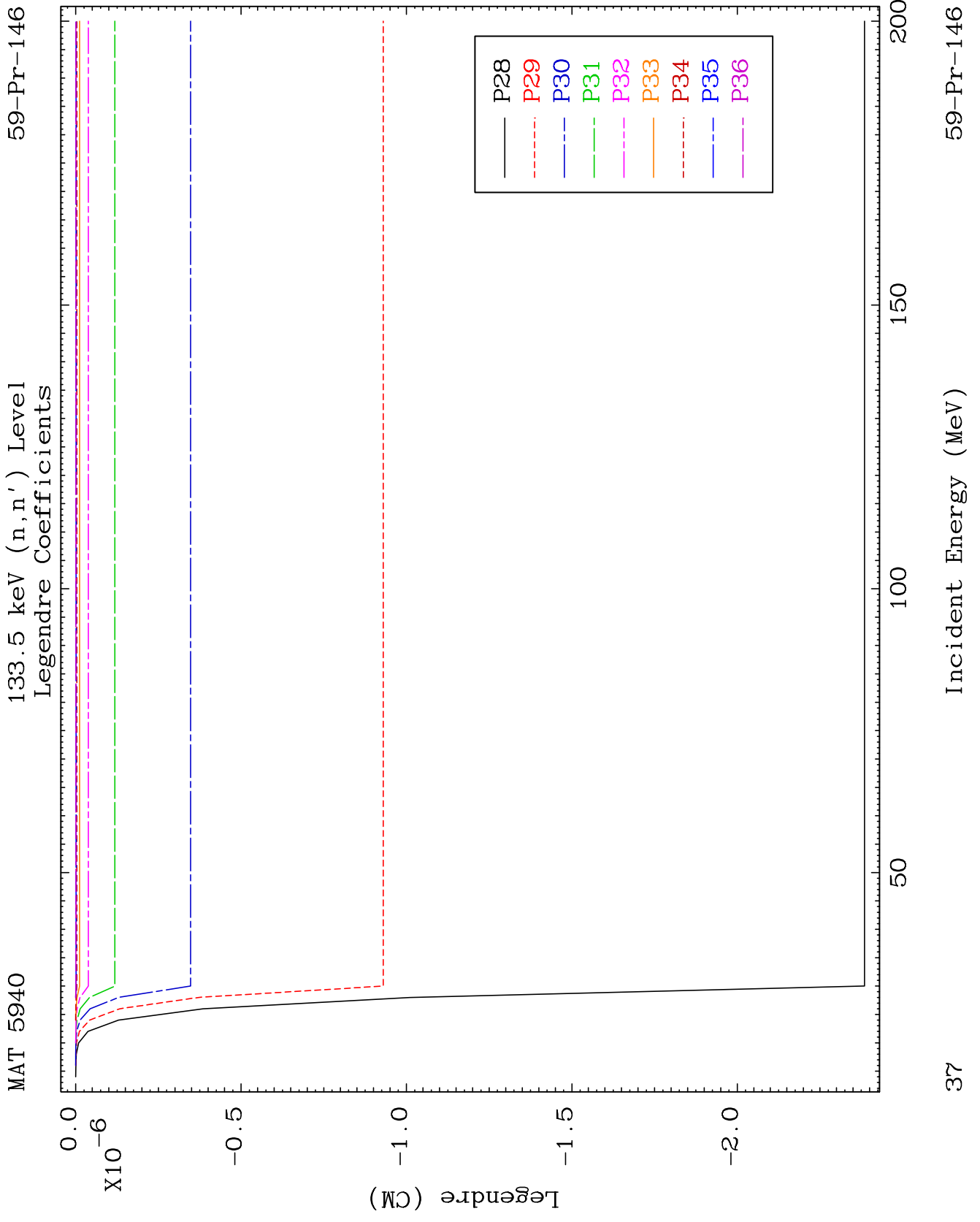


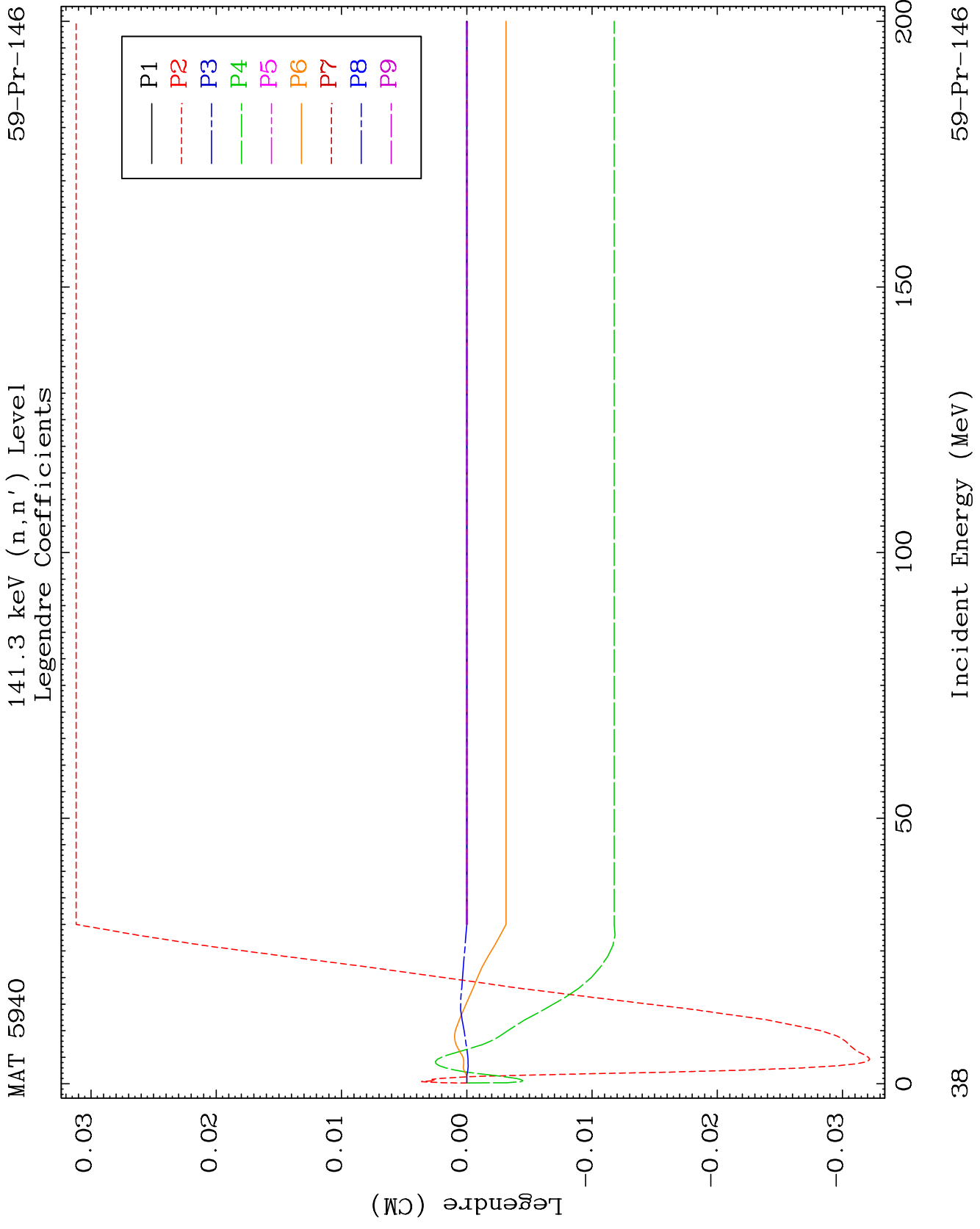
59-Pr-146

Incident Energy (MeV)

35



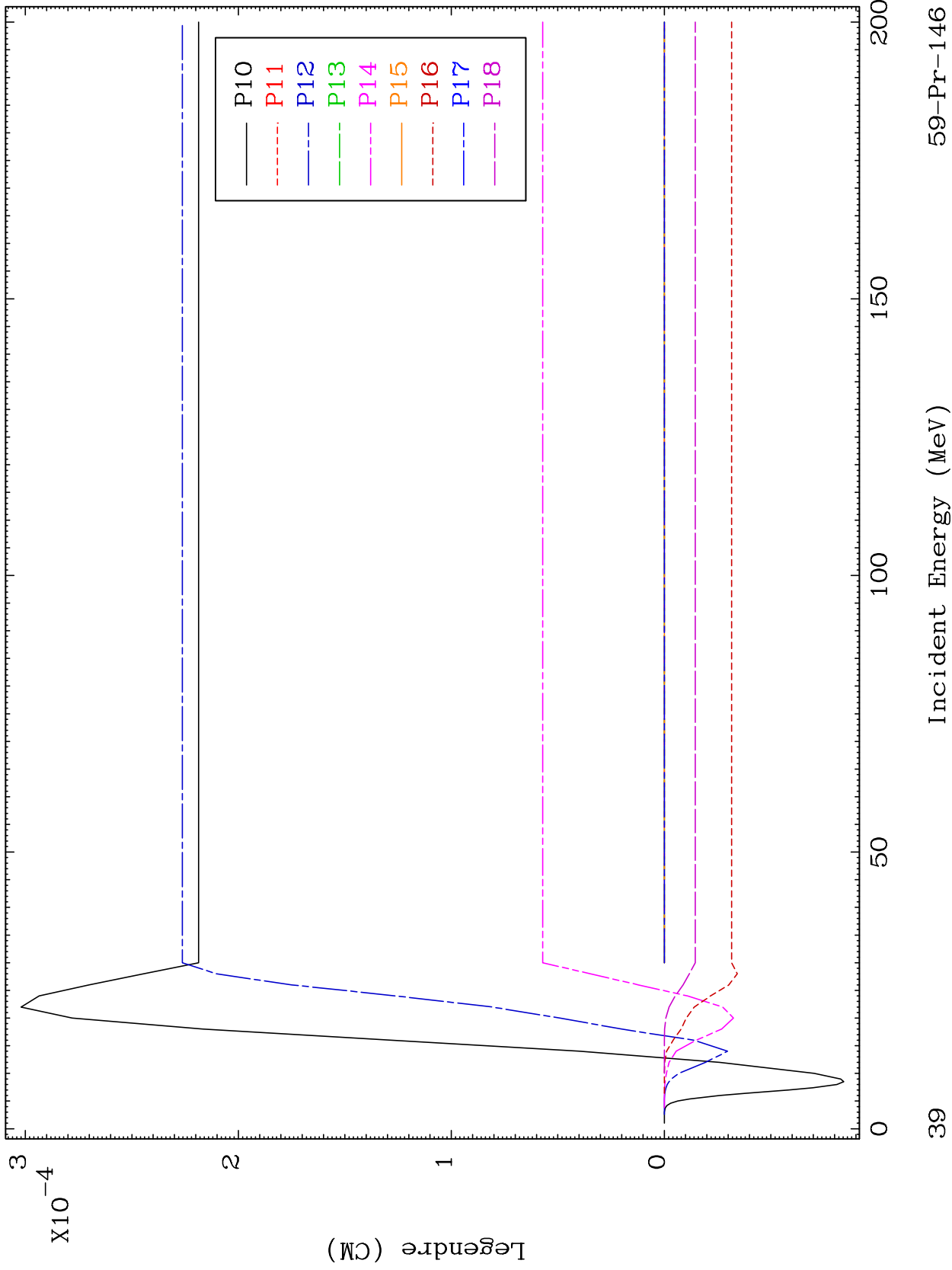




MAT 5940

141.3 keV (n,n') Level  
Legendre Coefficients

59-Pr-146

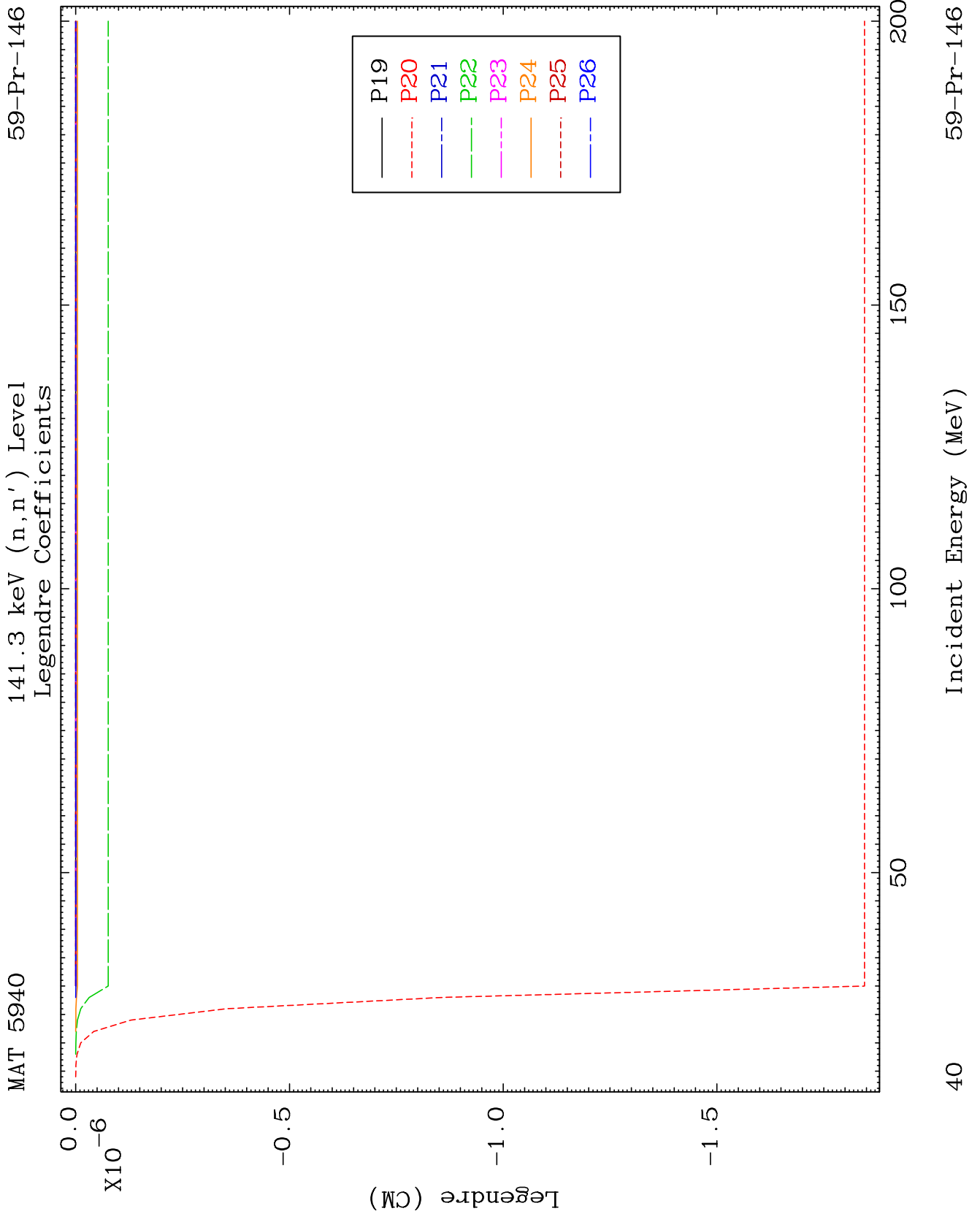


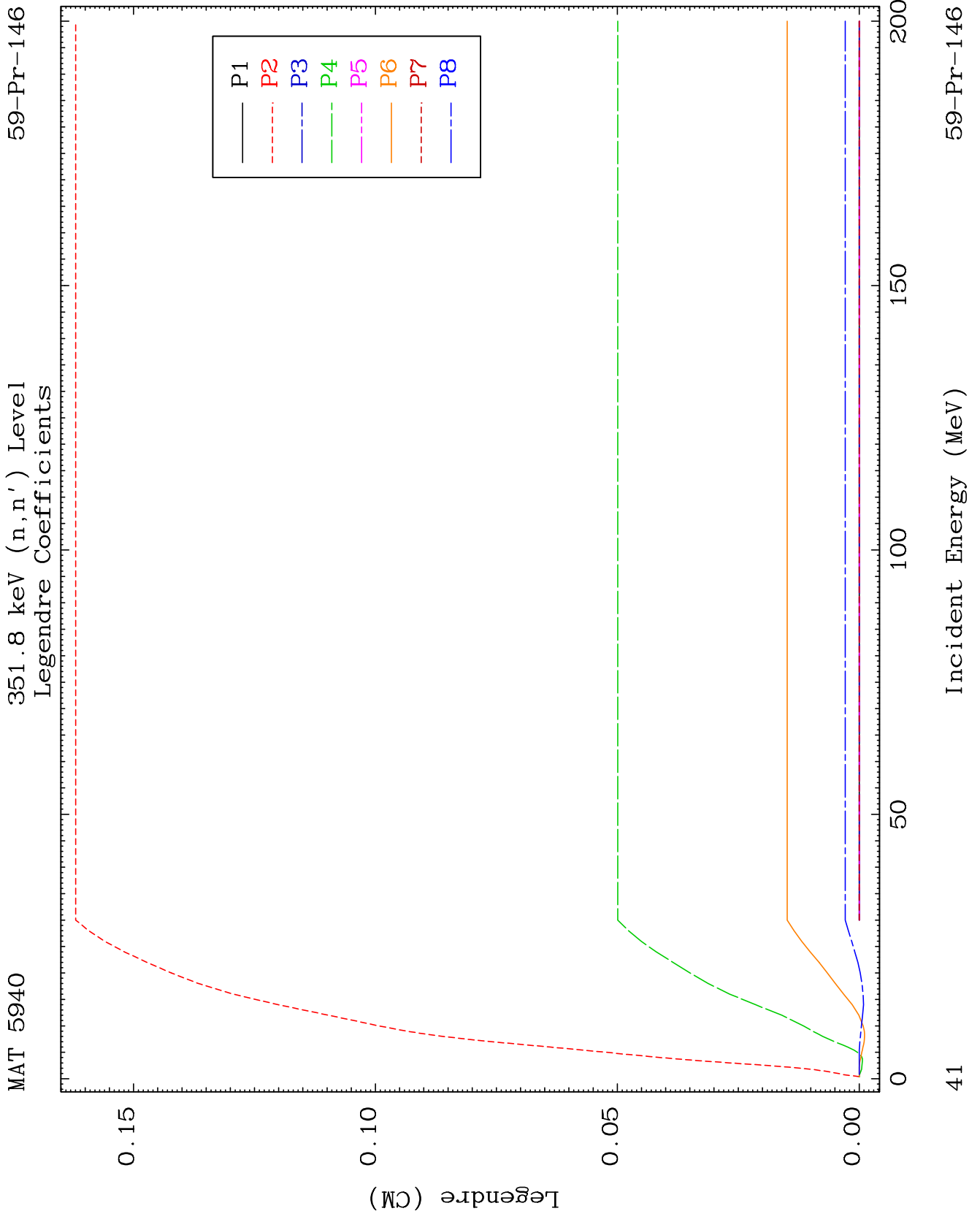
39

Incident Energy (MeV)

59-Pr-146



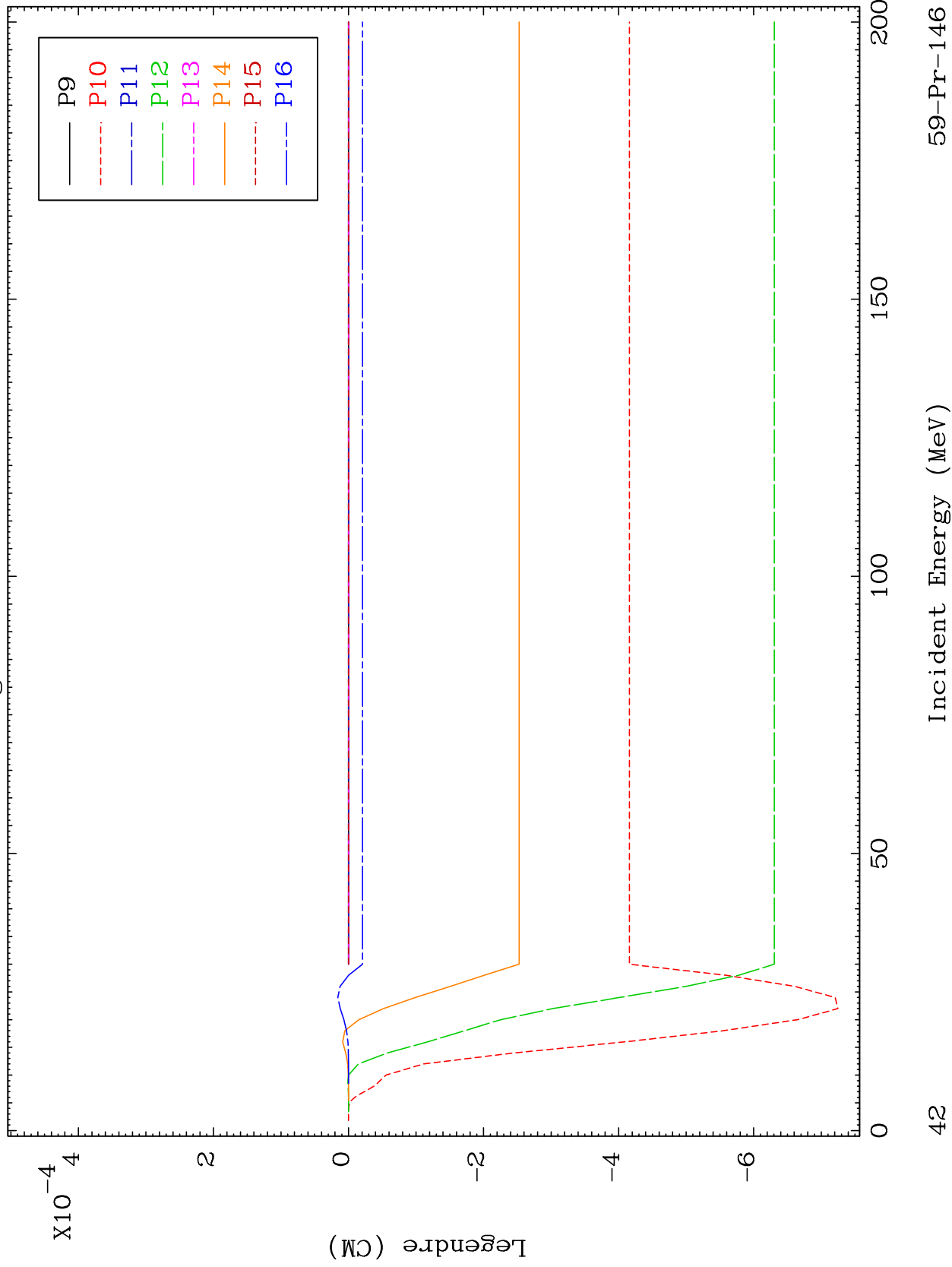




MAT 5940

351.8 keV (n,n') Level  
Legendre Coefficients

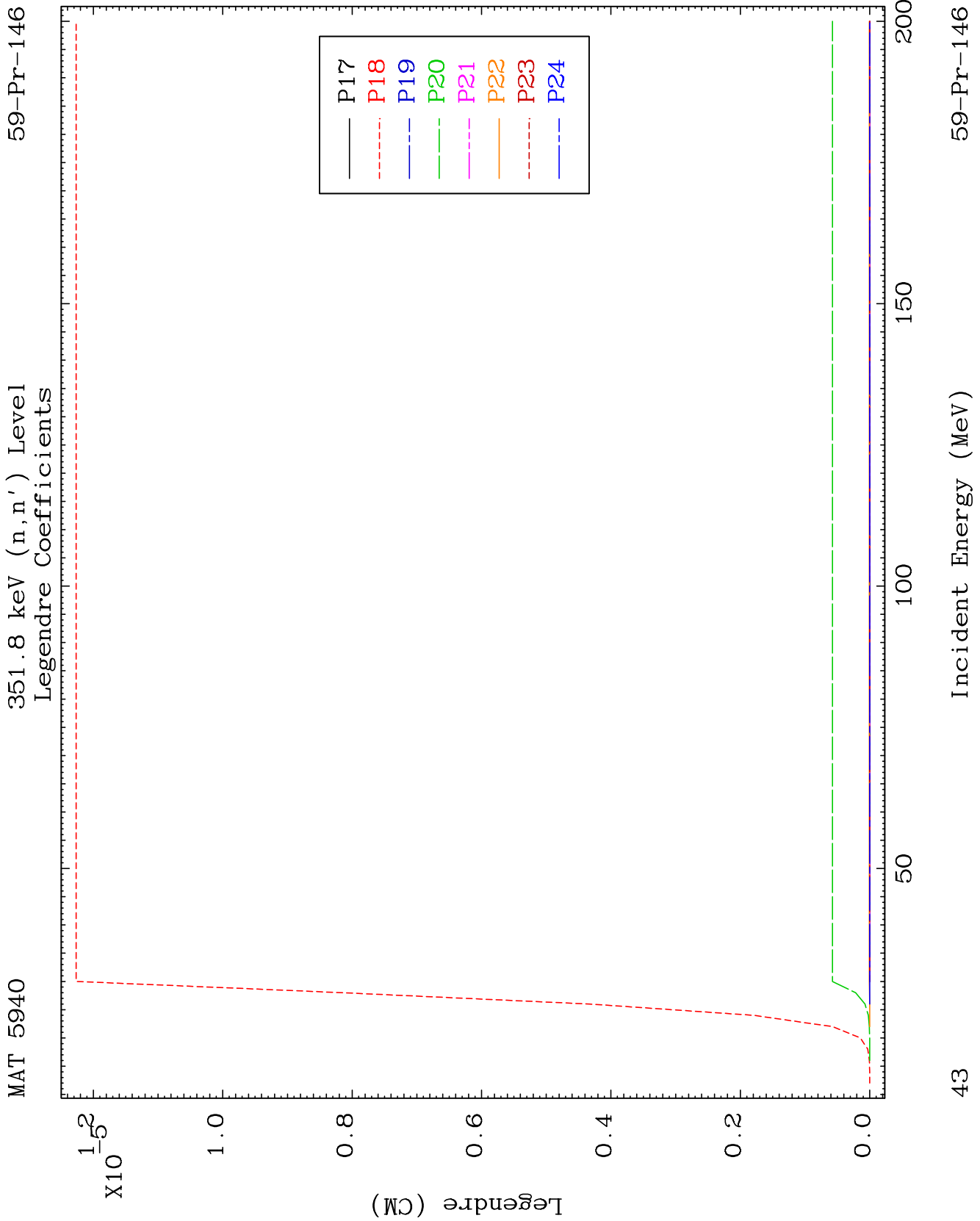
59-Pr-146

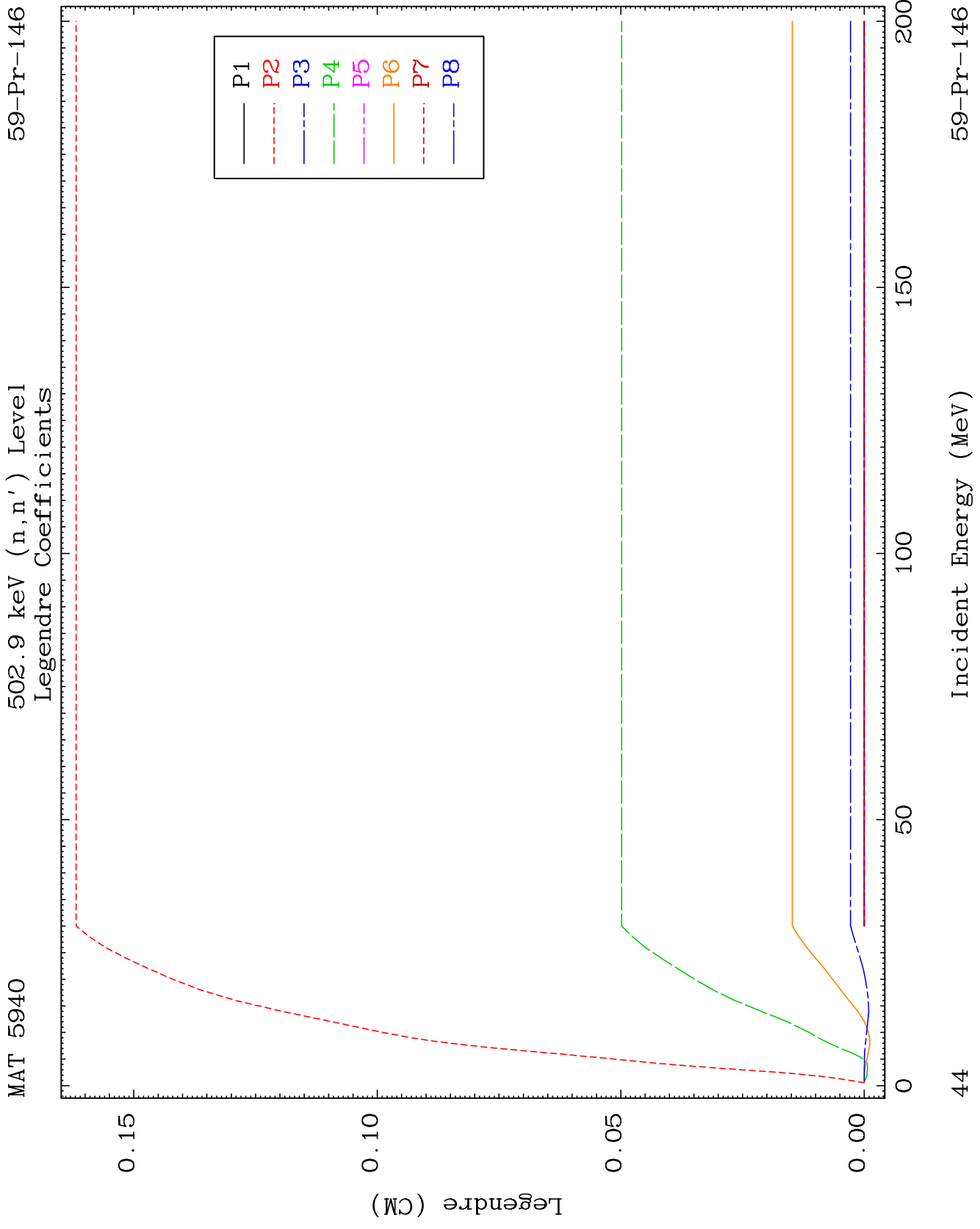


59-Pr-146

Incident Energy (MeV)

42

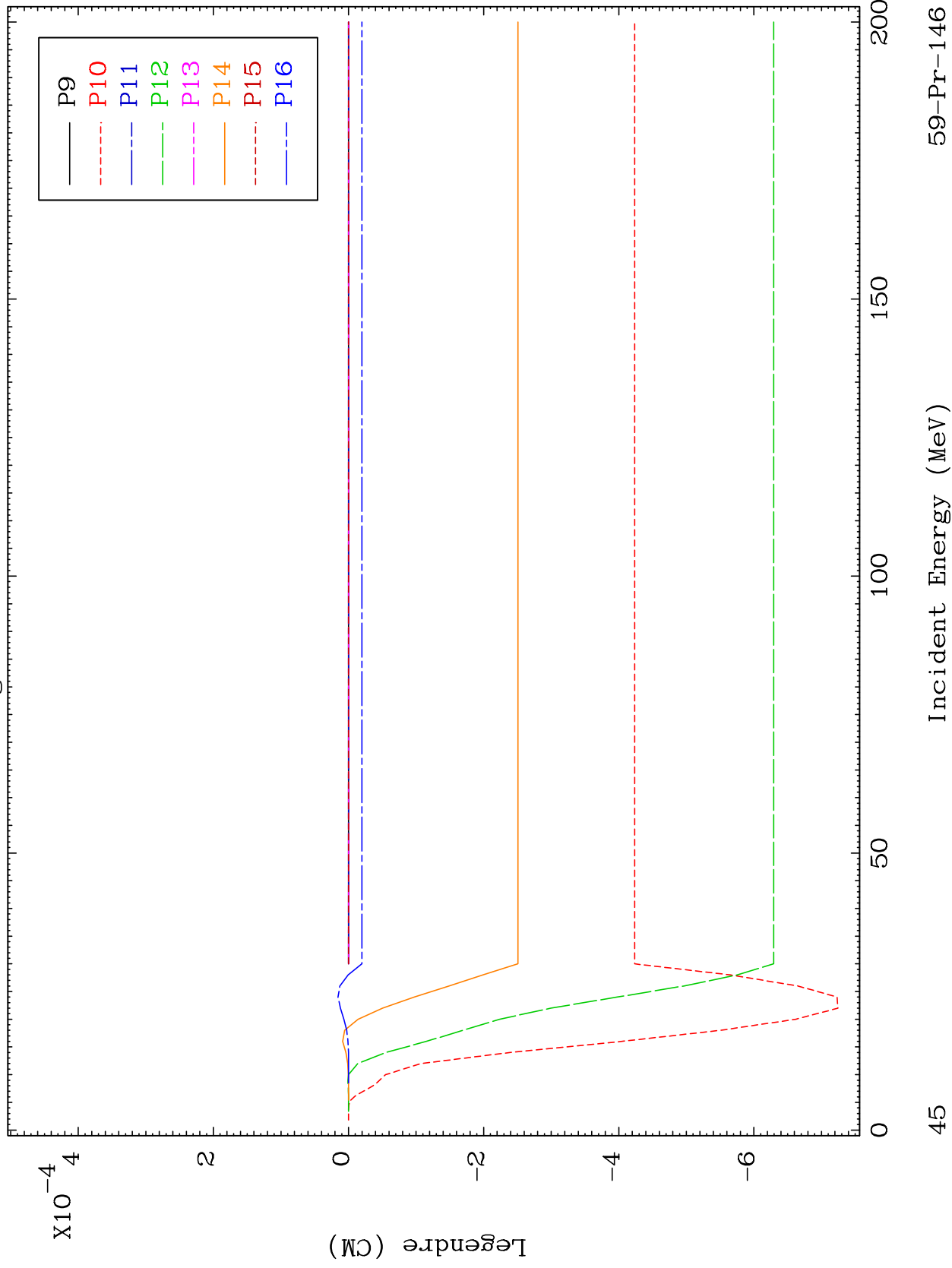




MAT 5940

502.9 keV (n,n') Level  
Legendre Coefficients

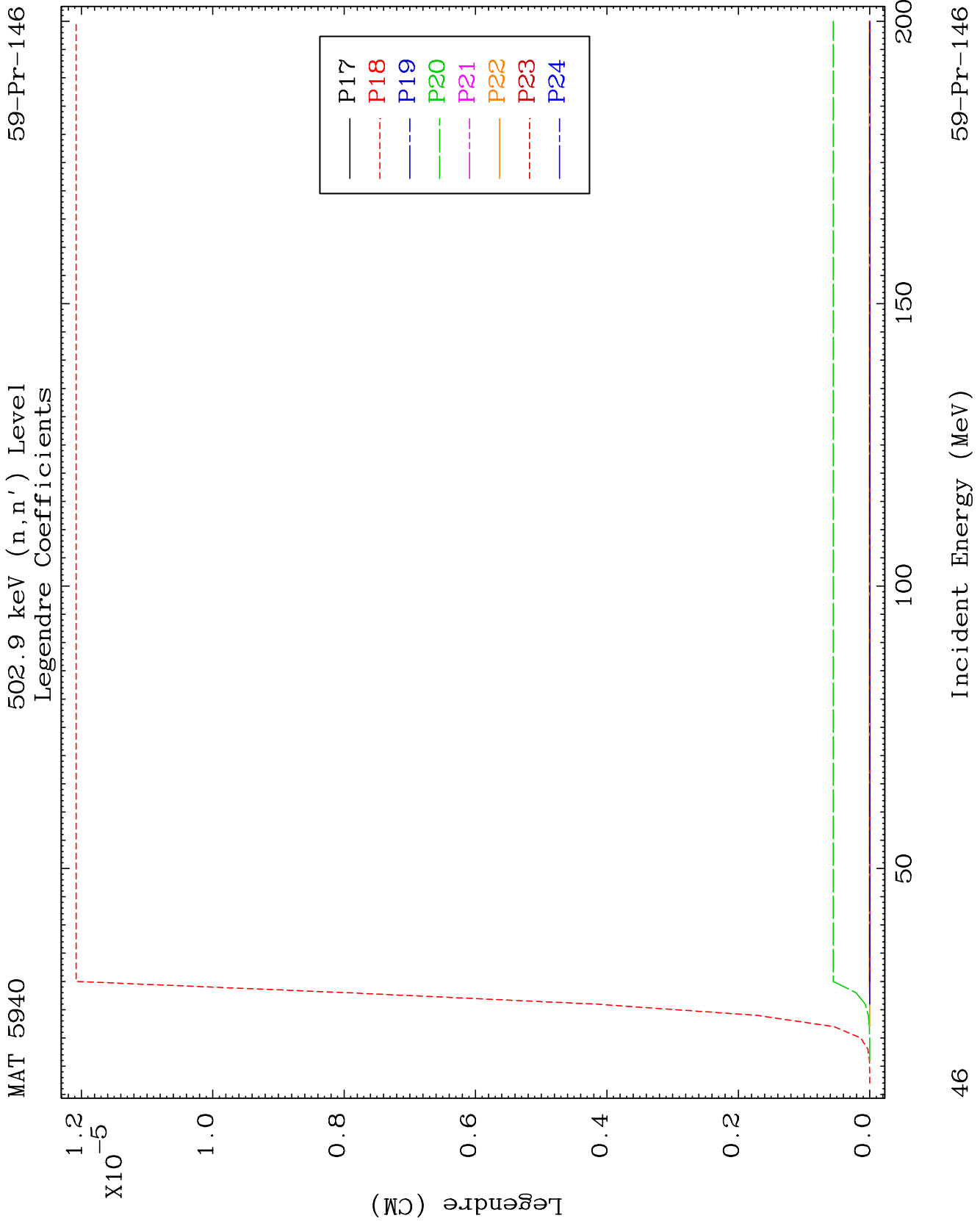
59-Pr-146

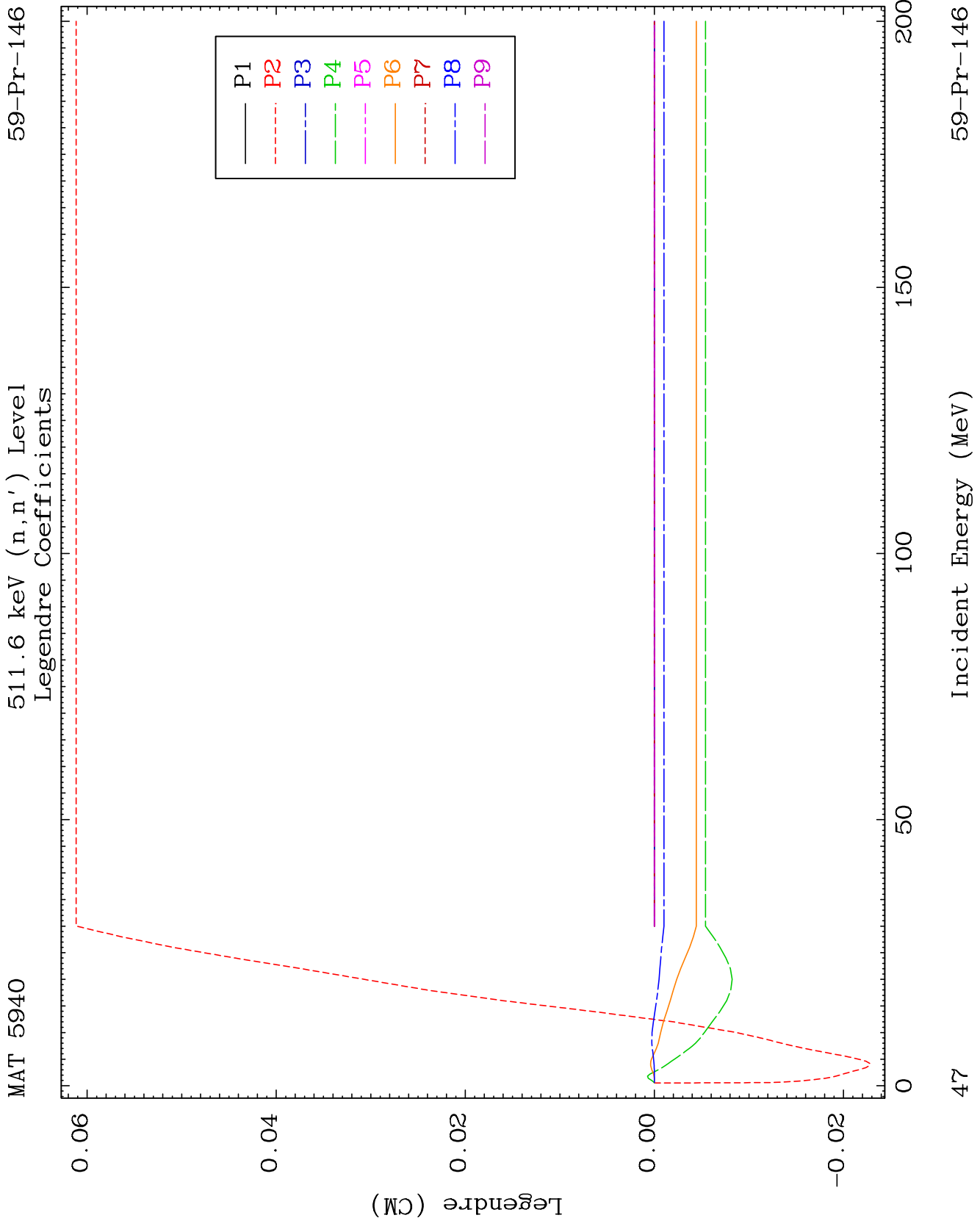


59-Pr-146

Incident Energy (MeV)

45



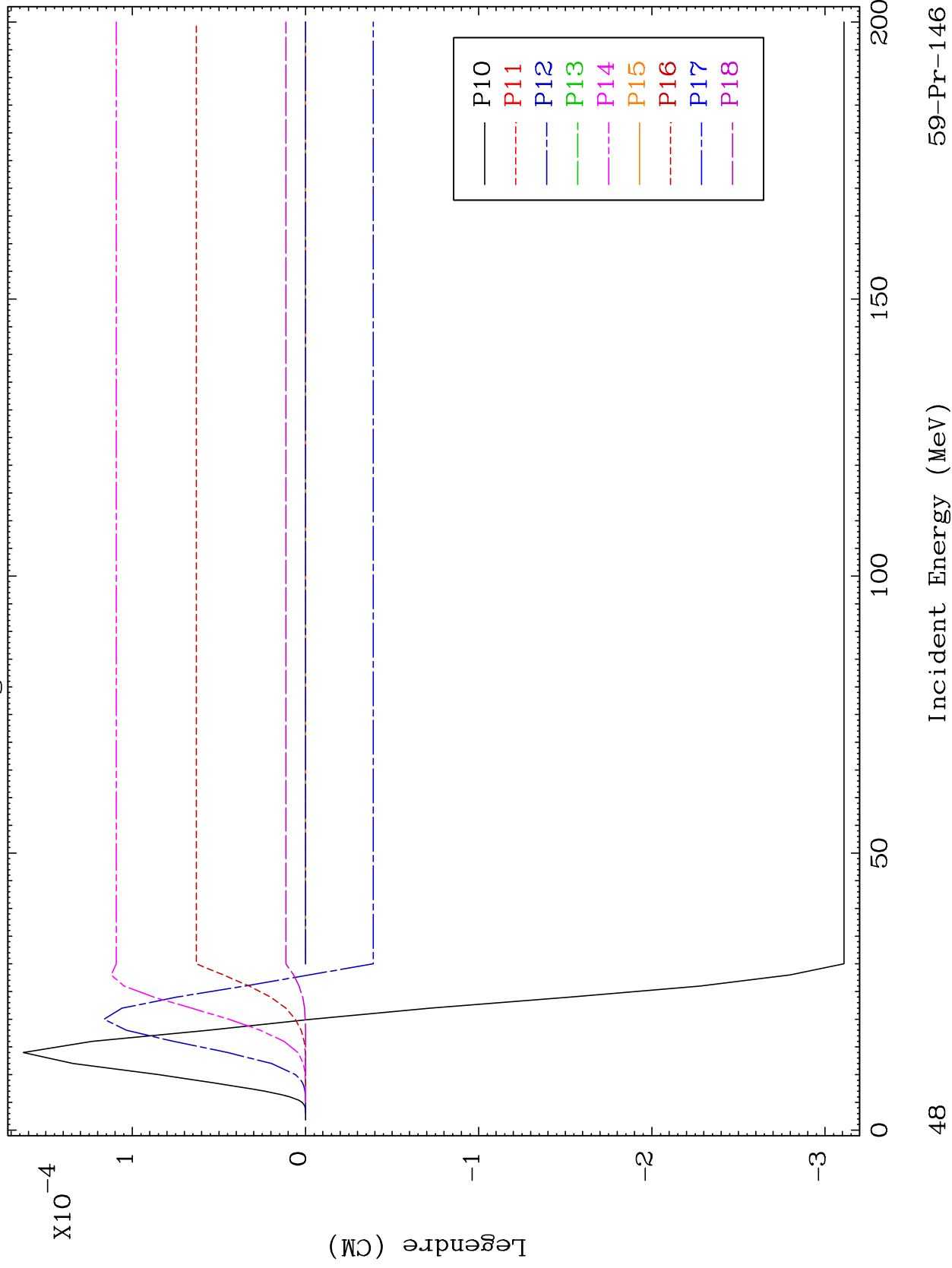




MAT 5940

511.6 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



59-Pr-146

Incident Energy (MeV)

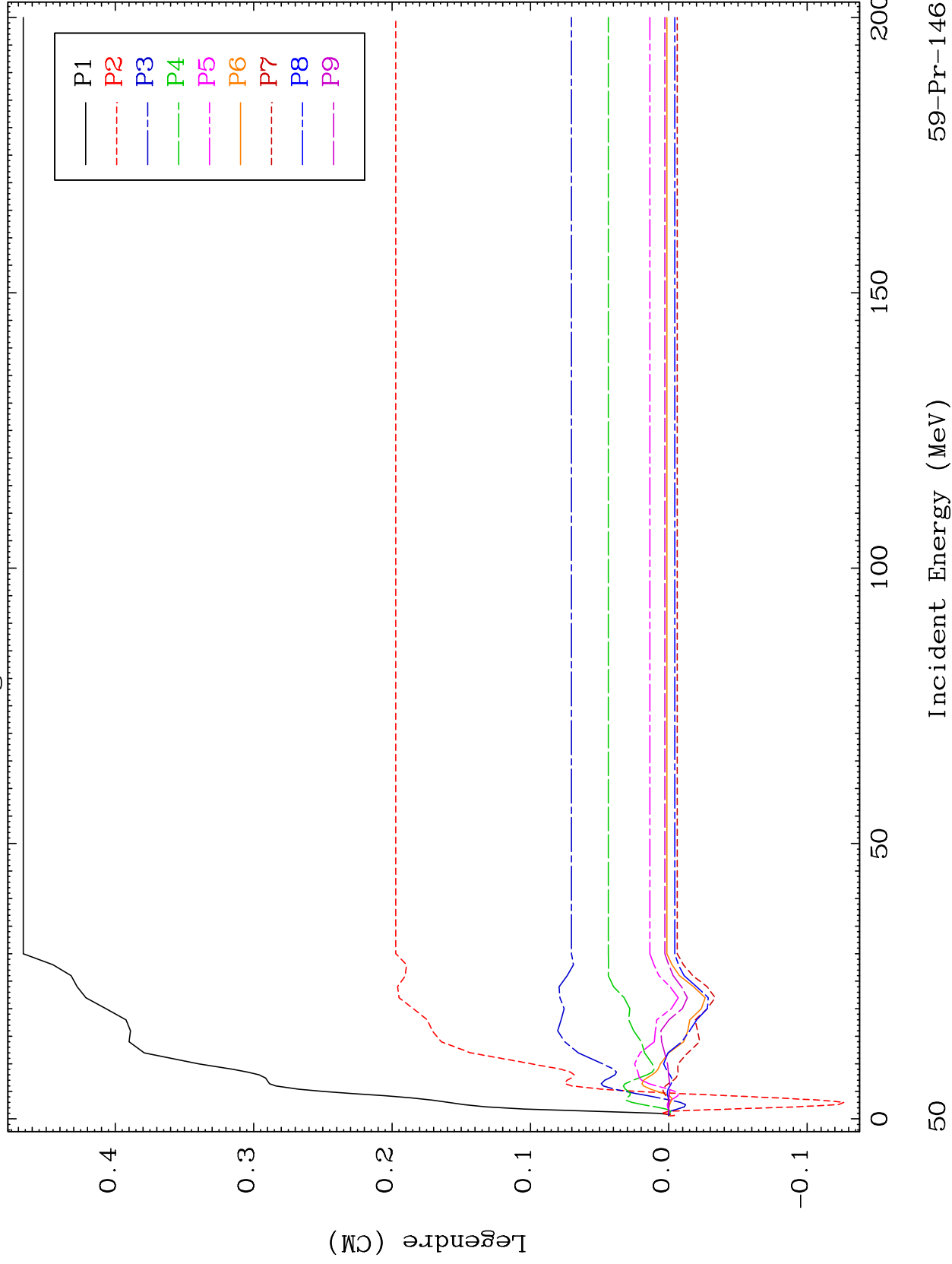
48



MAT 5940

518.0 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



59-Pr-146

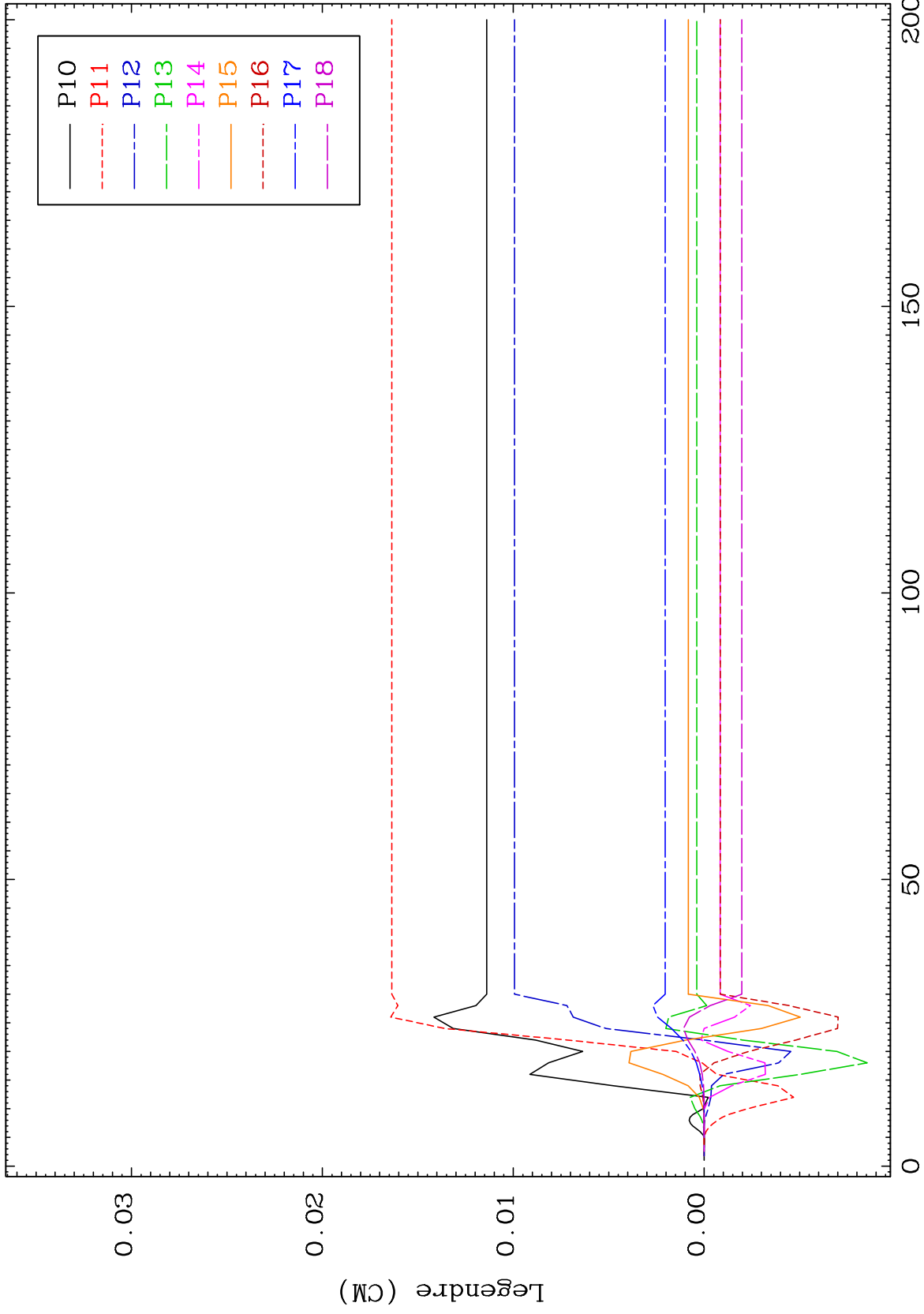
Incident Energy (MeV)

50

MAT 5940

518.0 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



51

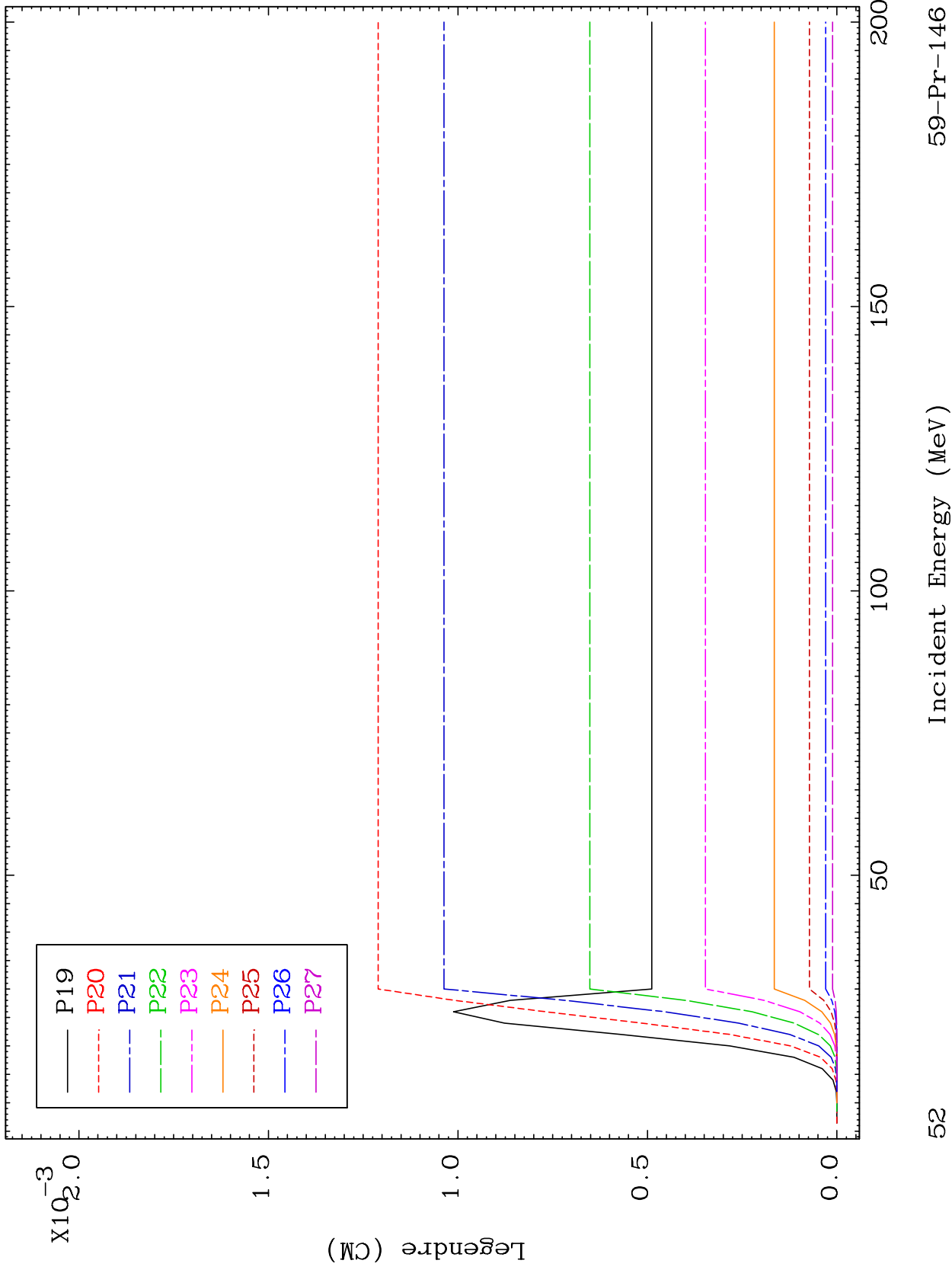
Incident Energy (MeV)

59-Pr-146

MAT 5940

518.0 keV (n,n') Level  
Legendre Coefficients

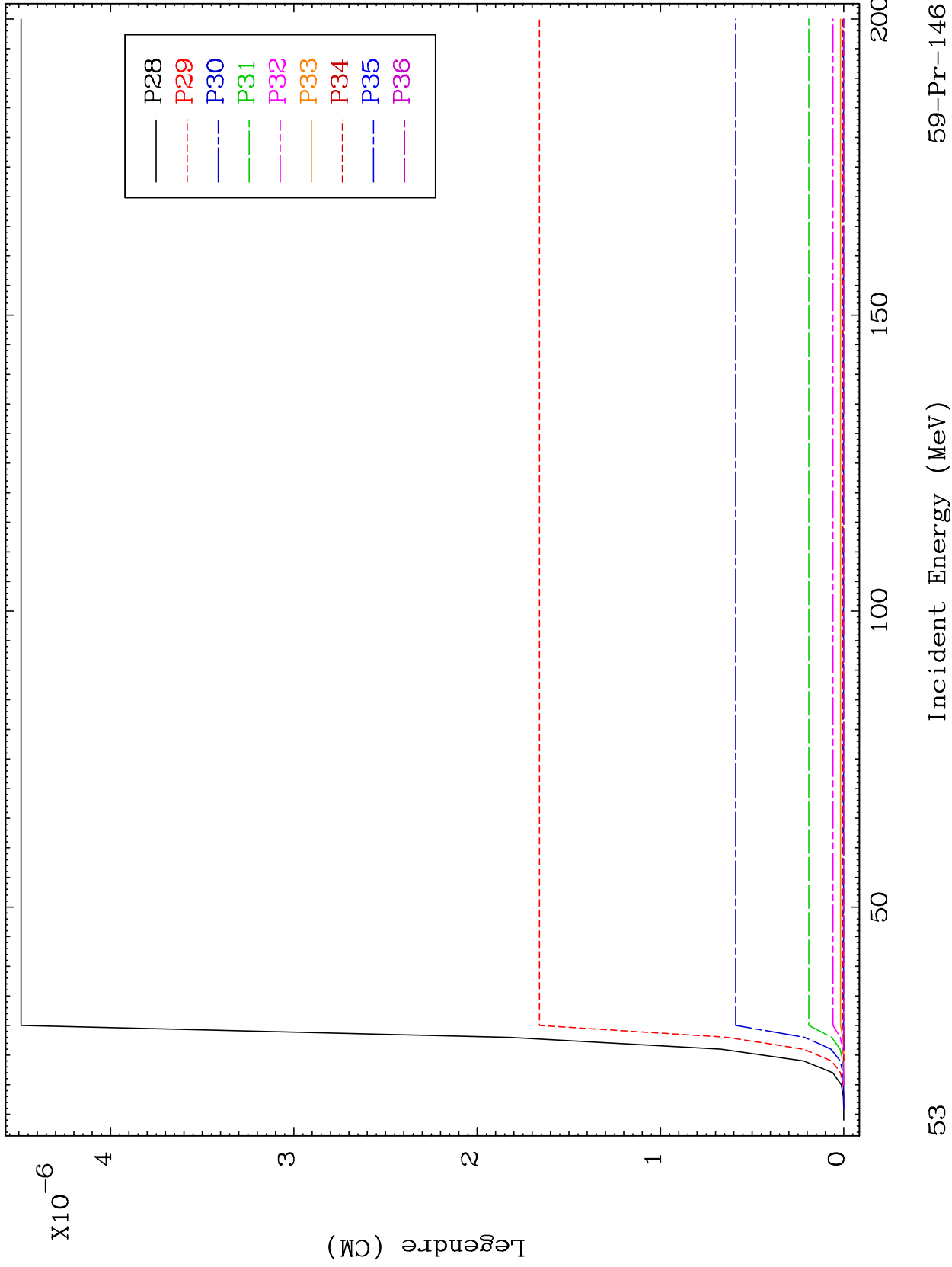
59-Pr-146



MAT 5940

518.0 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



59-Pr-146

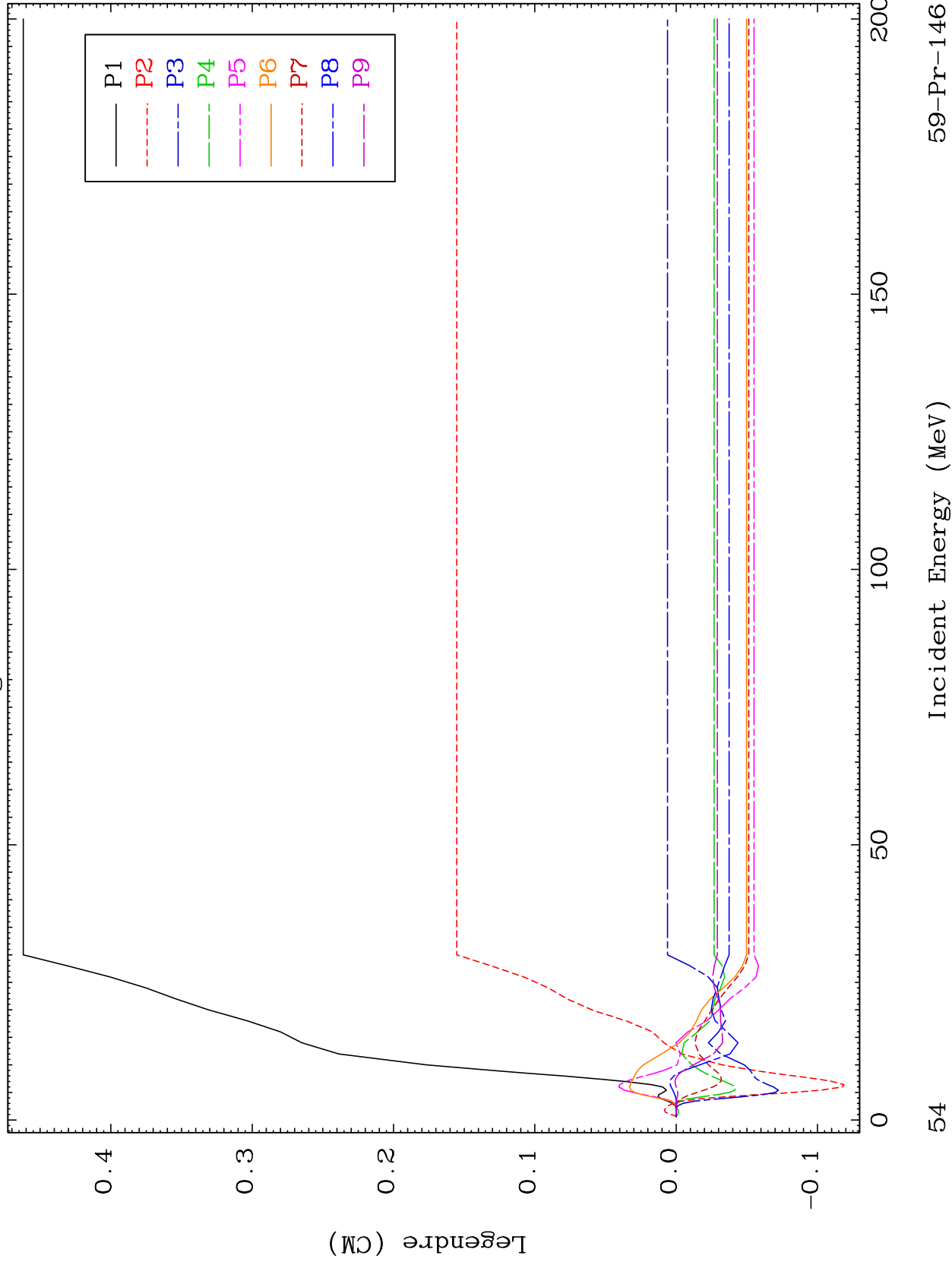
Incident Energy (MeV)

53

MAT 5940

527.5 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



59-Pr-146

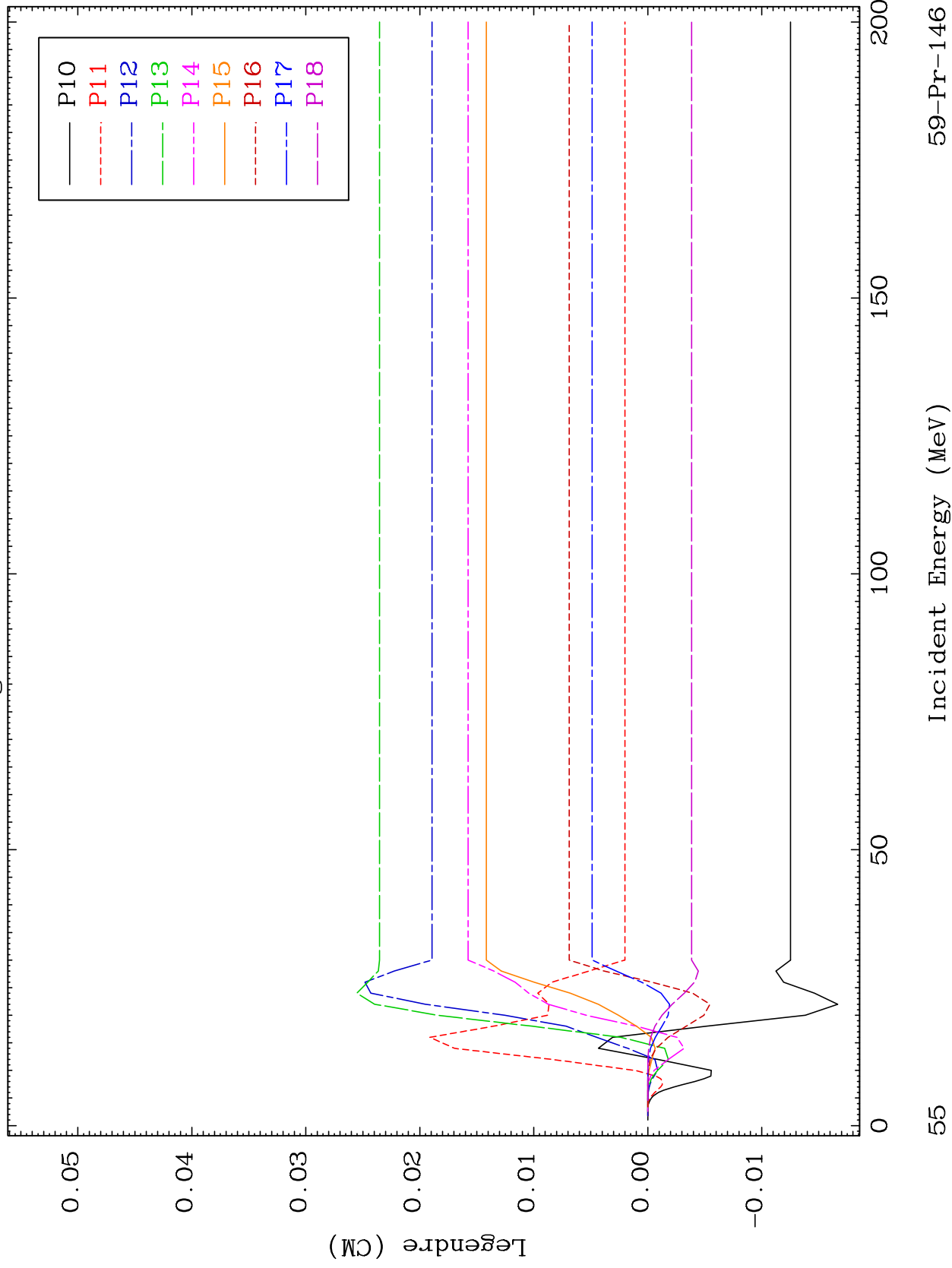
Incident Energy (MeV)

54

MAT 5940

527.5 keV (n,n') Level  
Legendre Coefficients

59-Pr-146

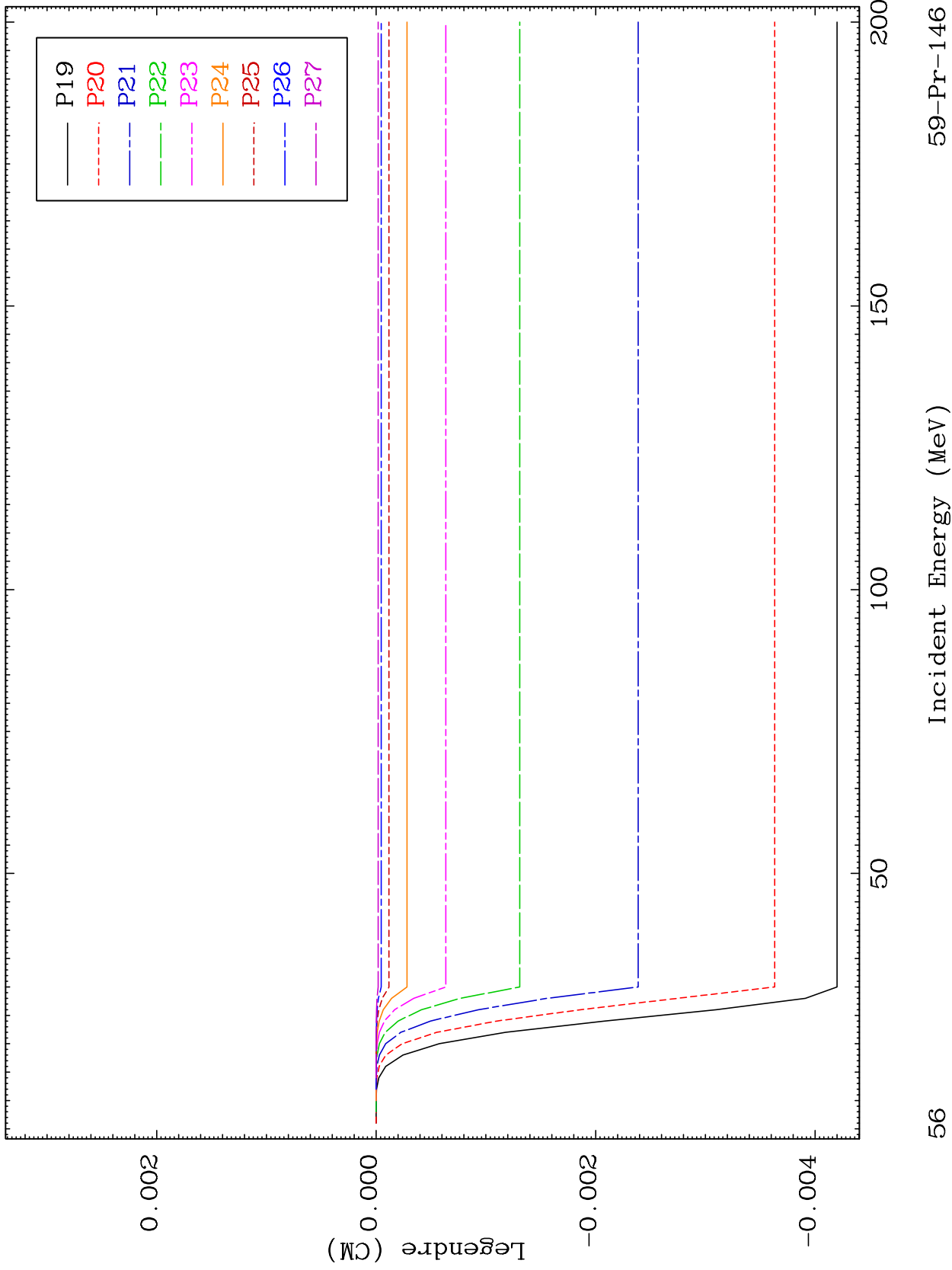


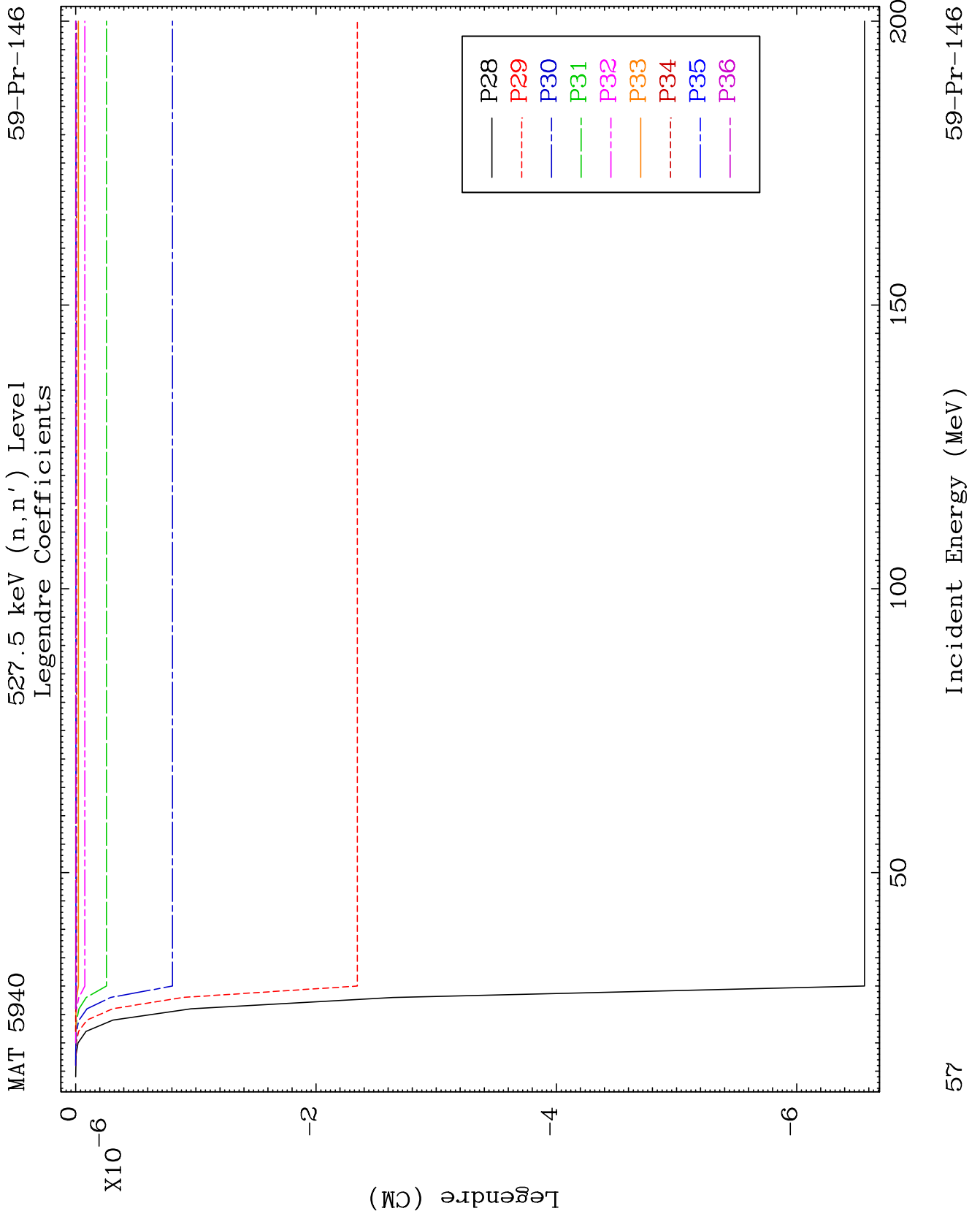
59-Pr-146

Incident Energy (MeV)

55





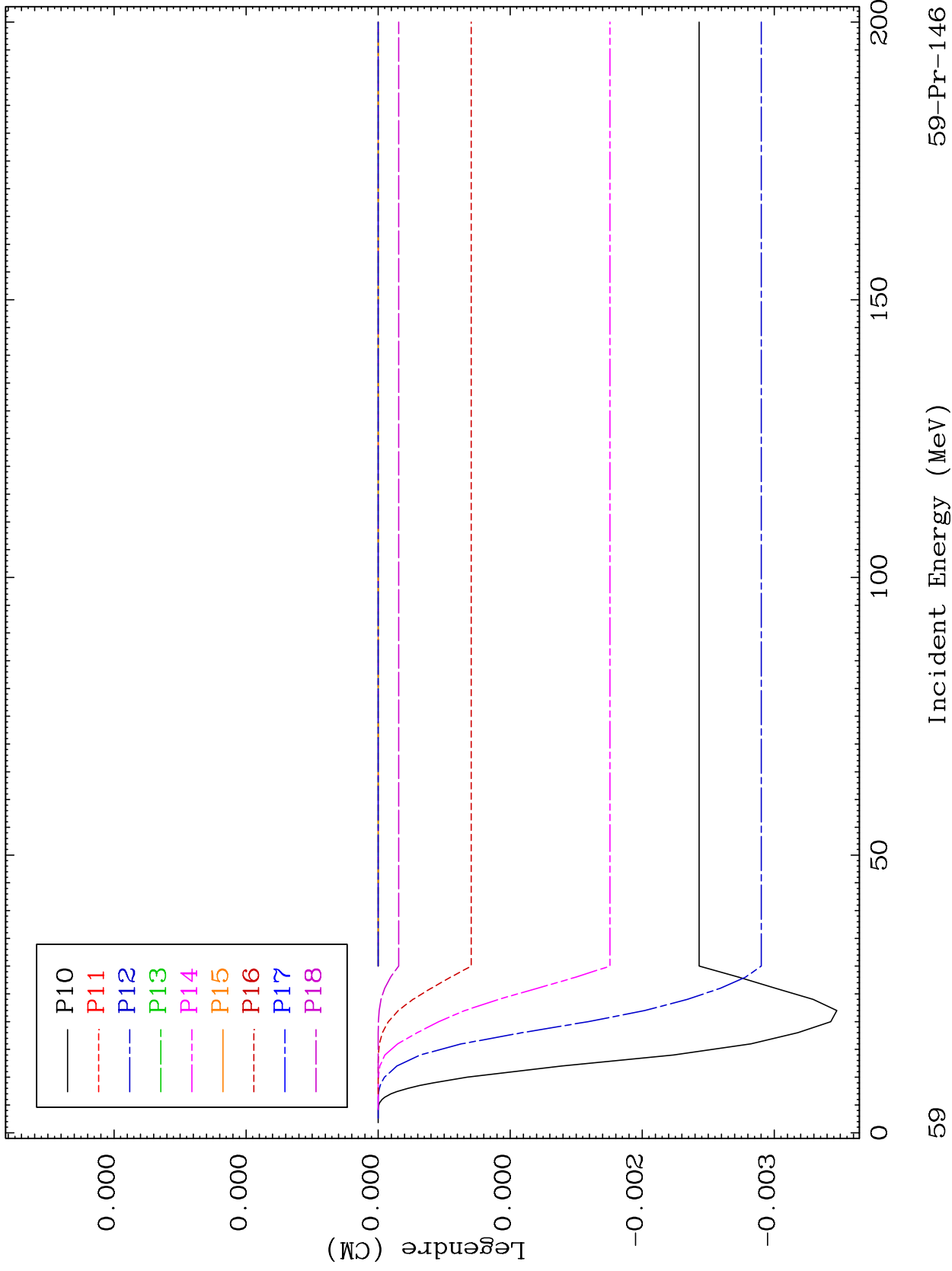




MAT 5940

562.8 keV (n,n') Level  
Legendre Coefficients

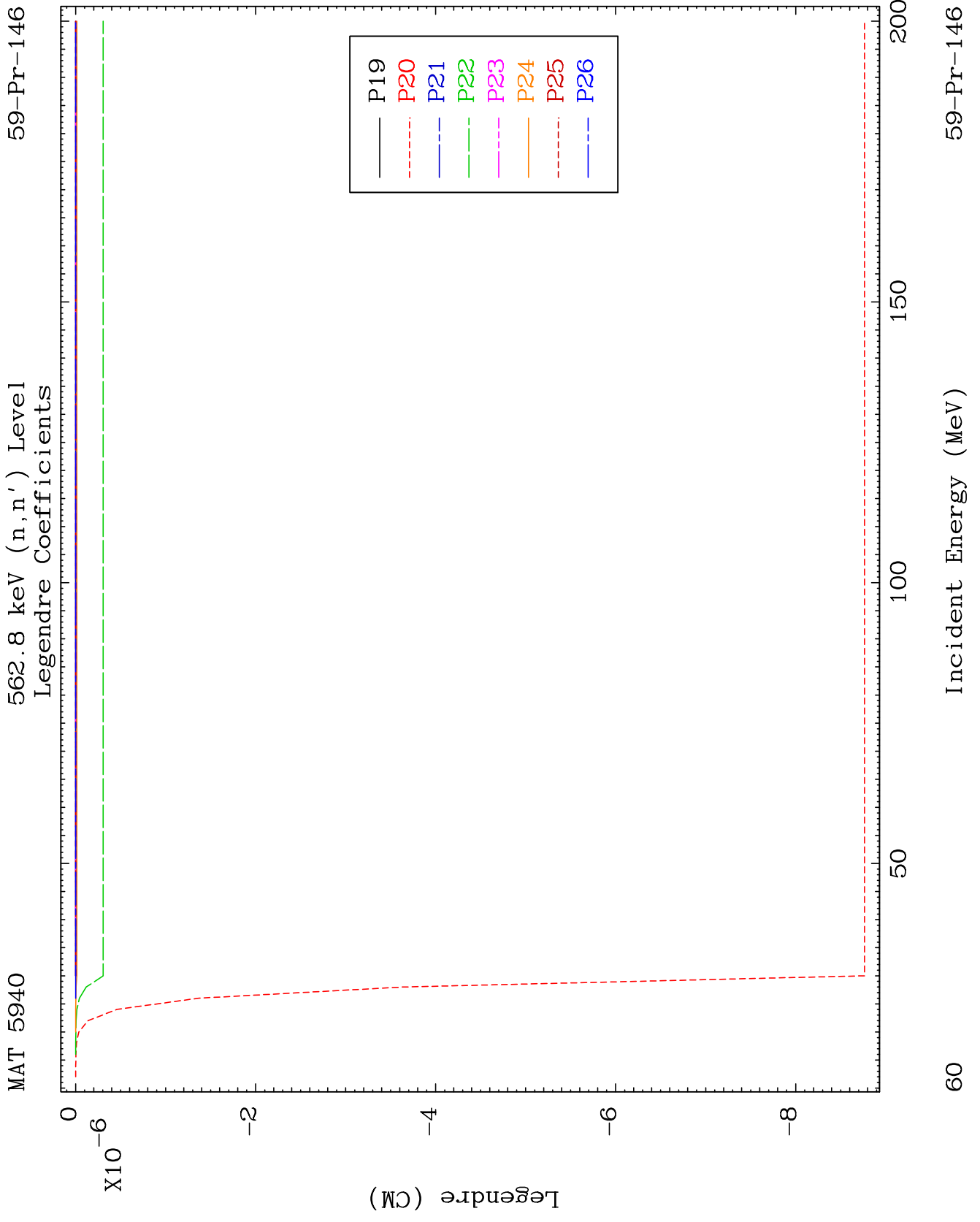
59-Pr-146



59-Pr-146

Incident Energy (MeV)

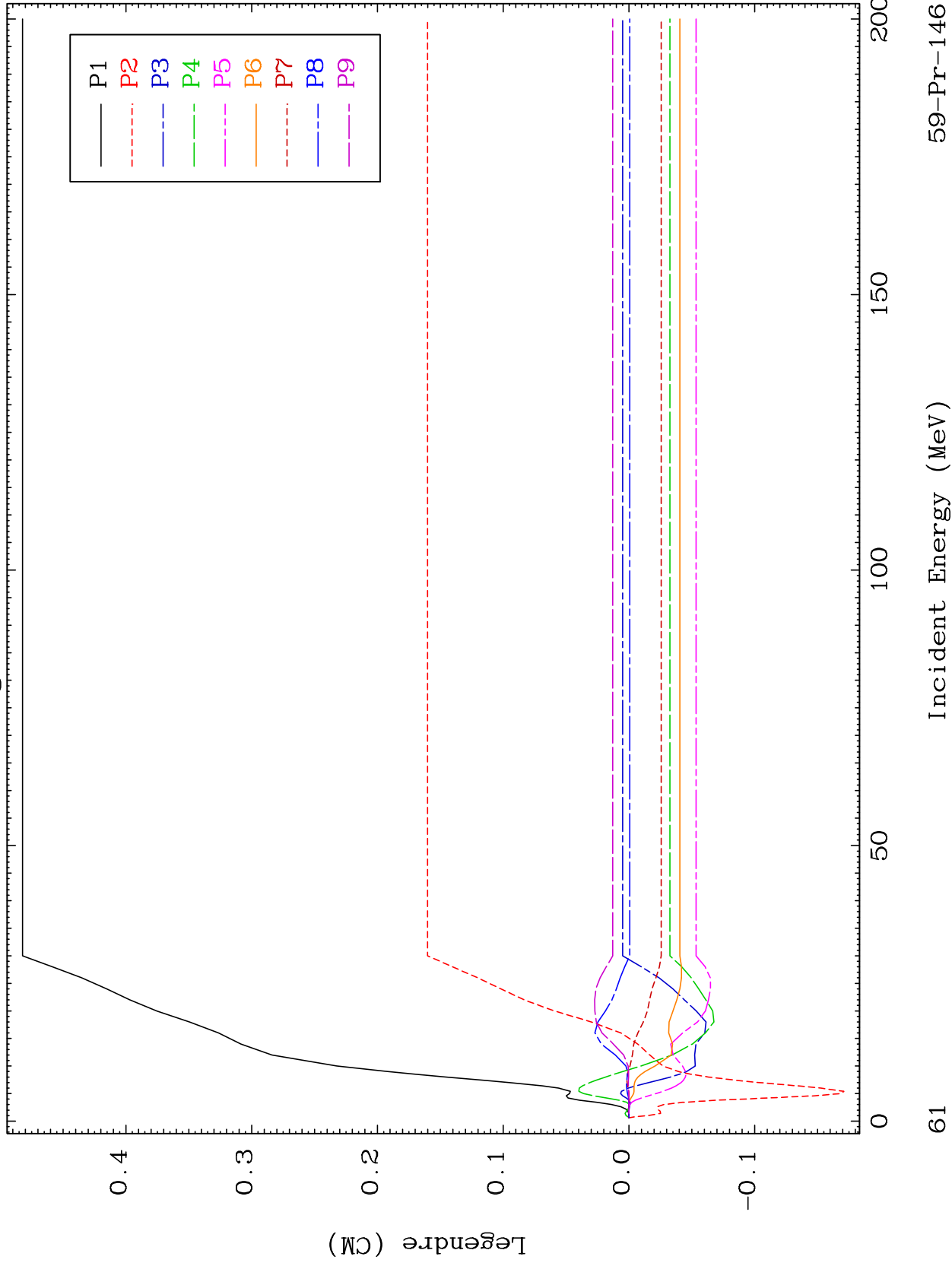
59



MAT 5940

568.2 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



59-Pr-146

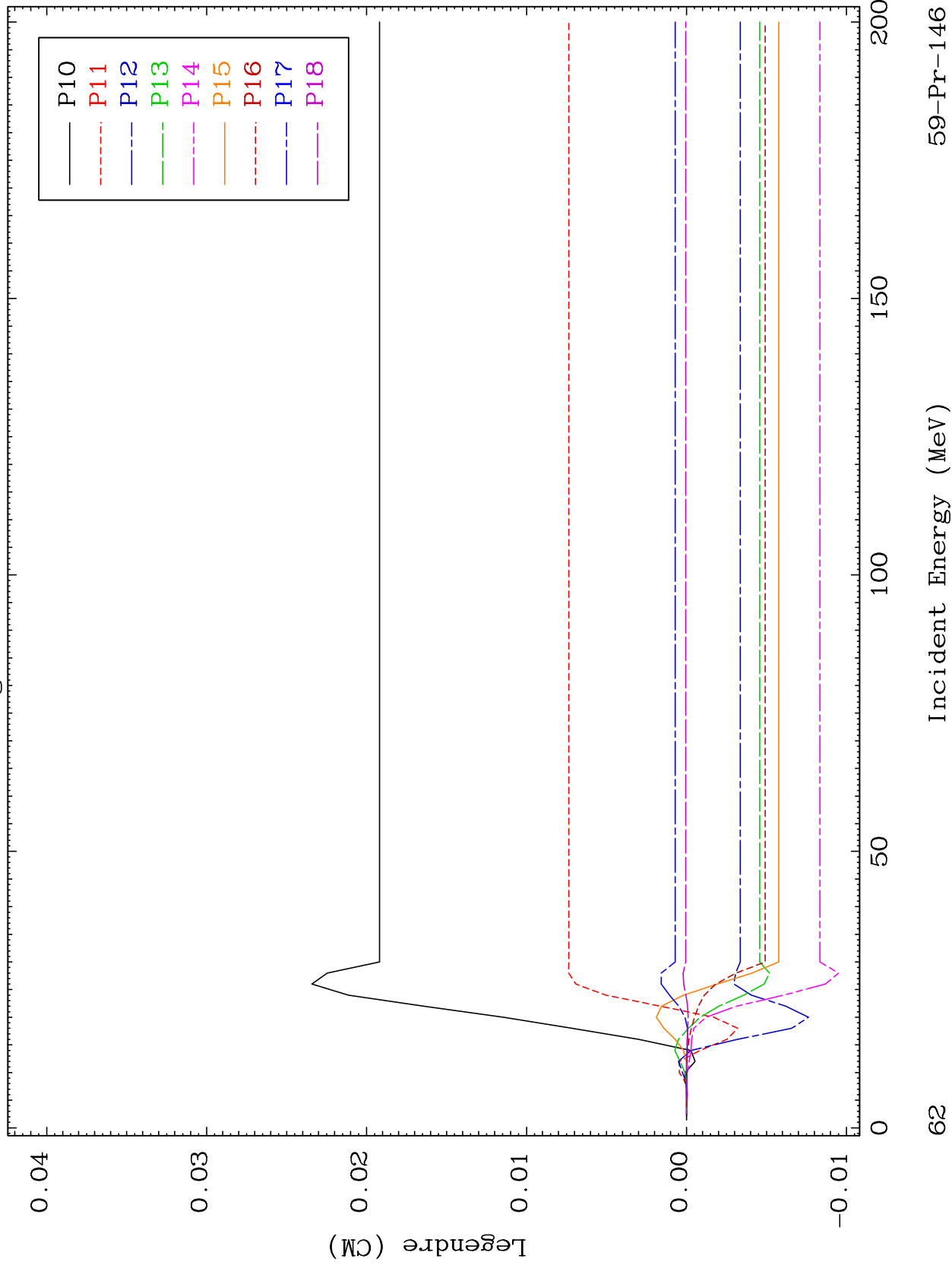
Incident Energy (MeV)

61

MAT 5940

568.2 keV (n,n') Level  
Legendre Coefficients

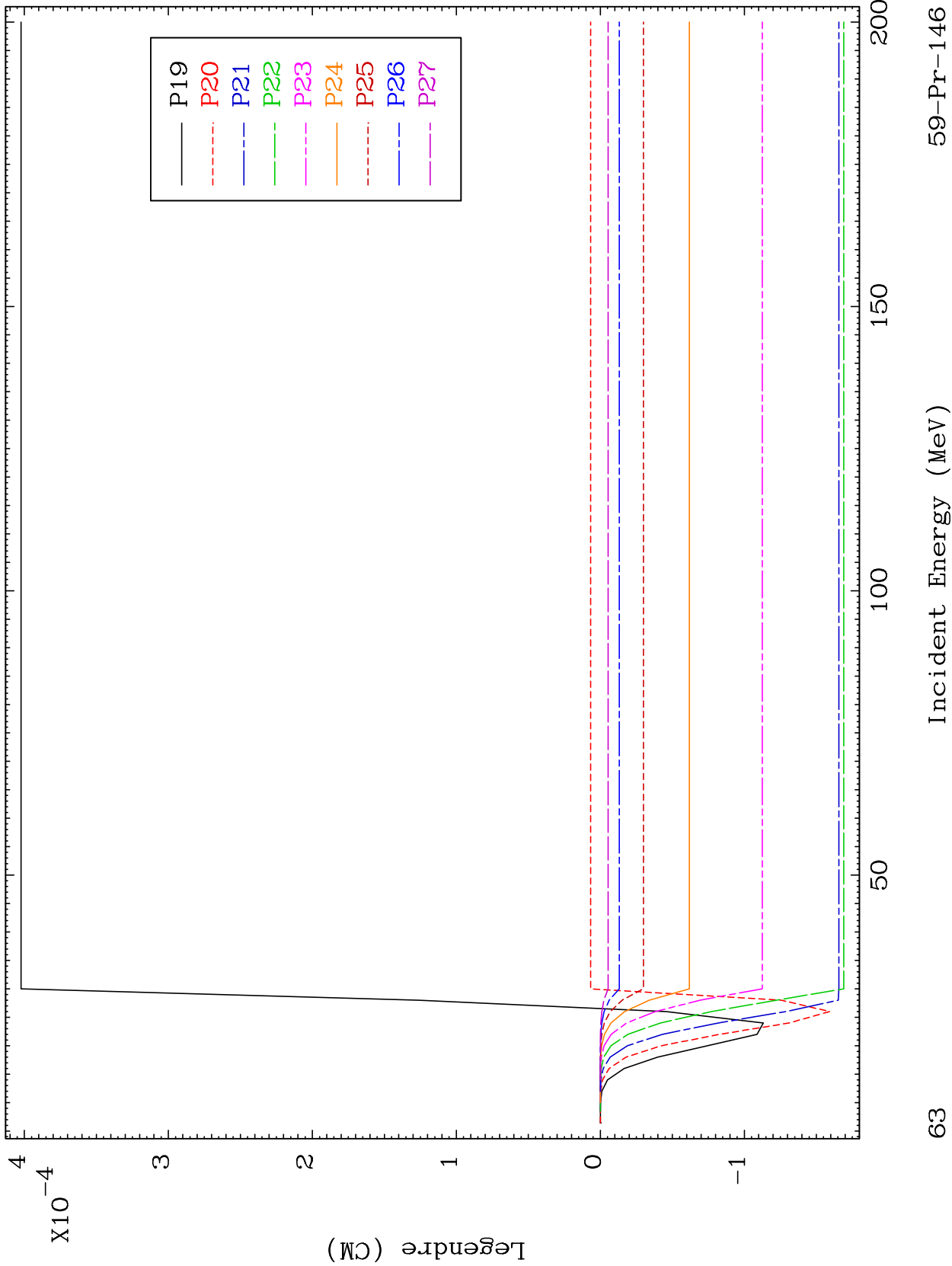
59-Pr-146



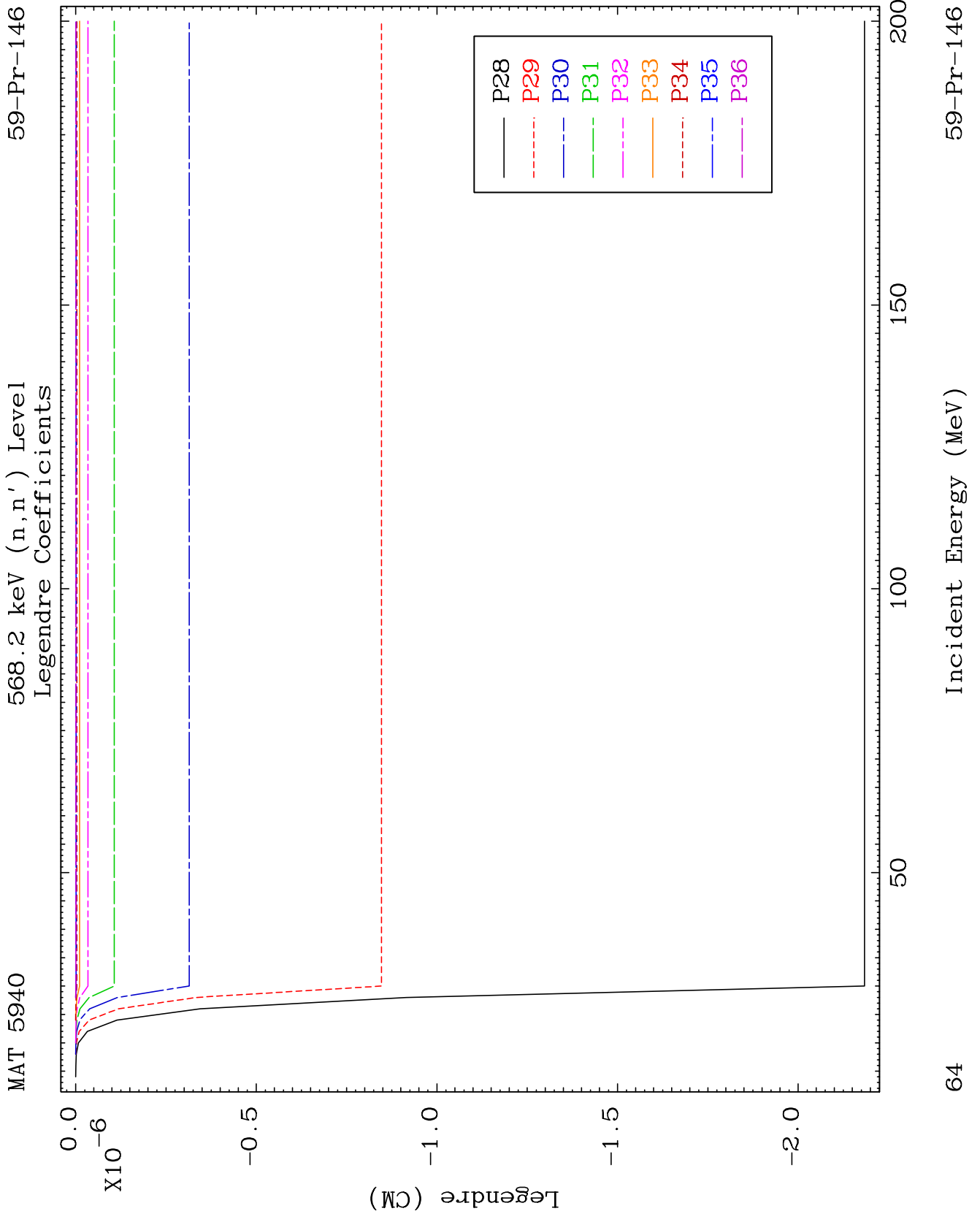
59-Pr-146

Incident Energy (MeV)

62



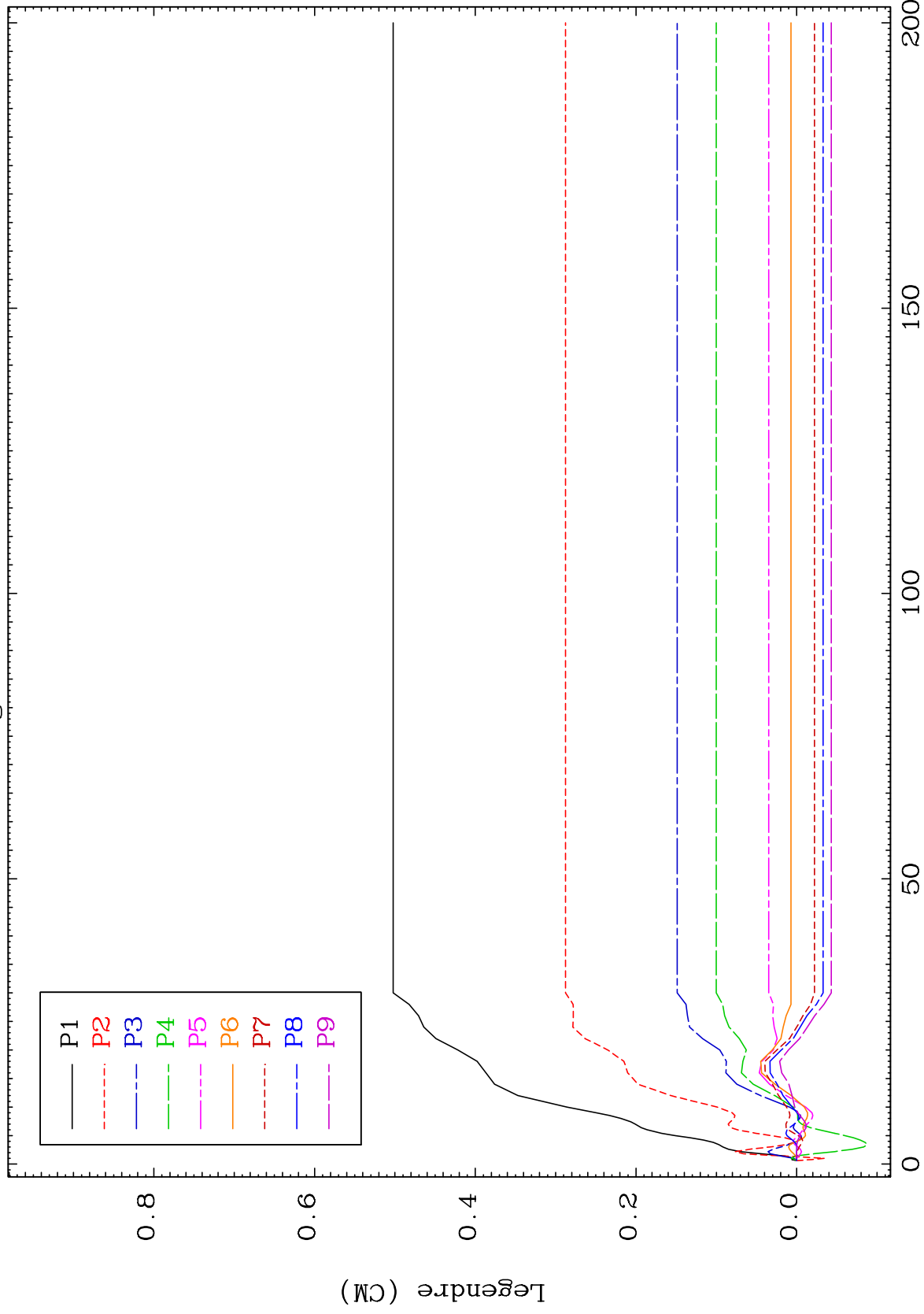




MAT 5940

587.7 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



59-Pr-146

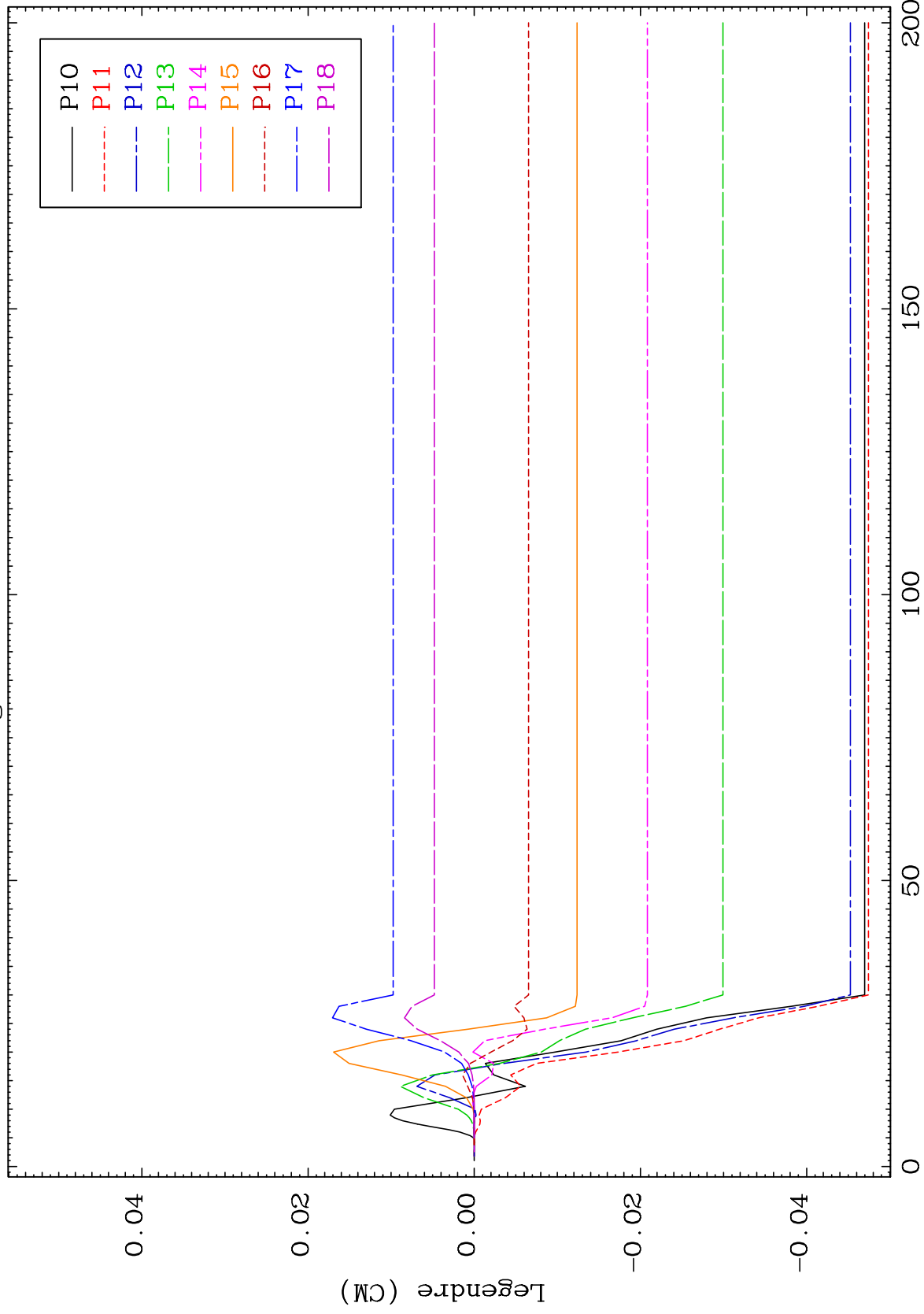
Incident Energy (MeV)

65

MAT 5940

587.7 keV (n,n') Level  
Legendre Coefficients

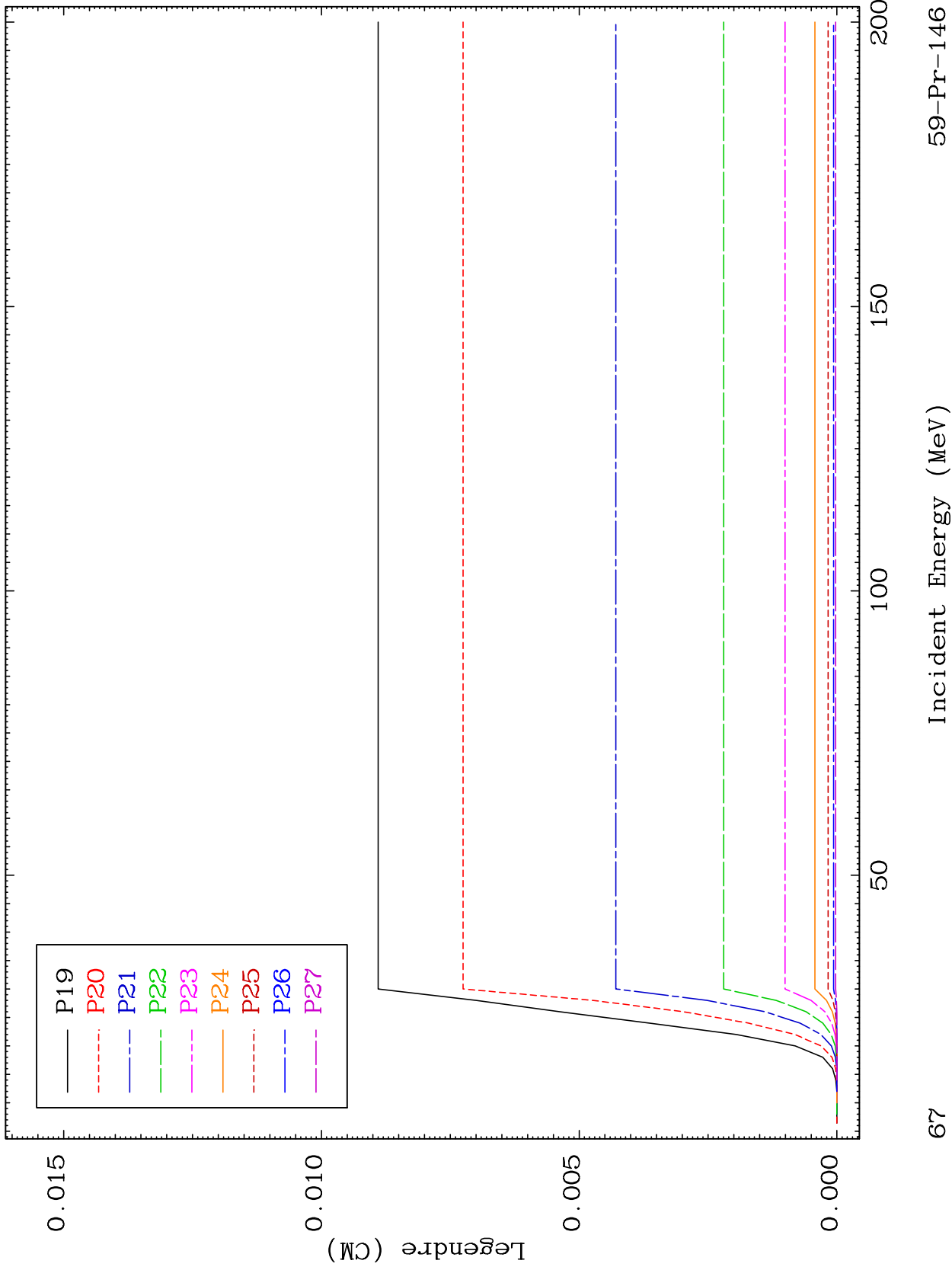
59-Pr-146



66

Incident Energy (MeV)

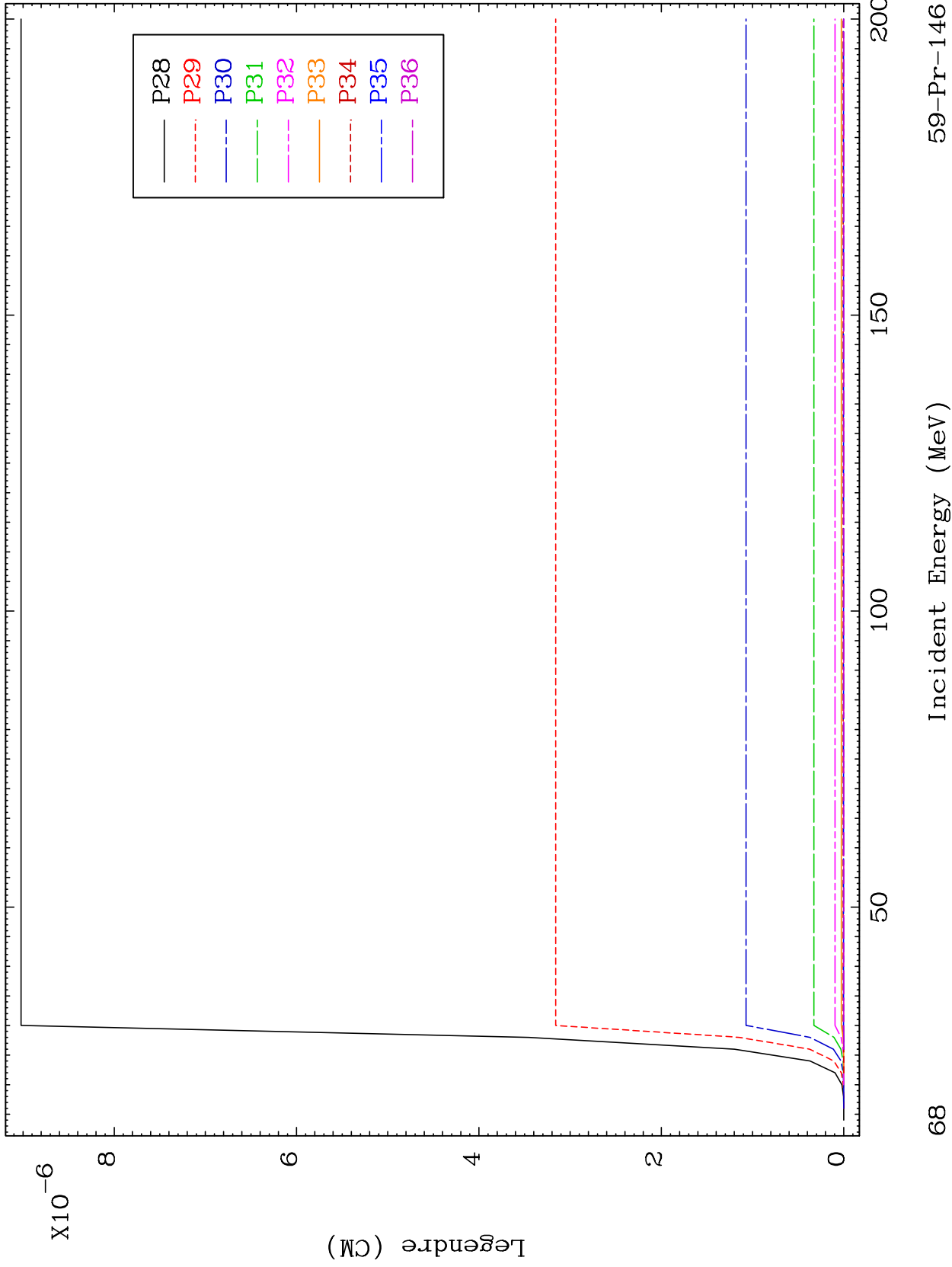
59-Pr-146



MAT 5940

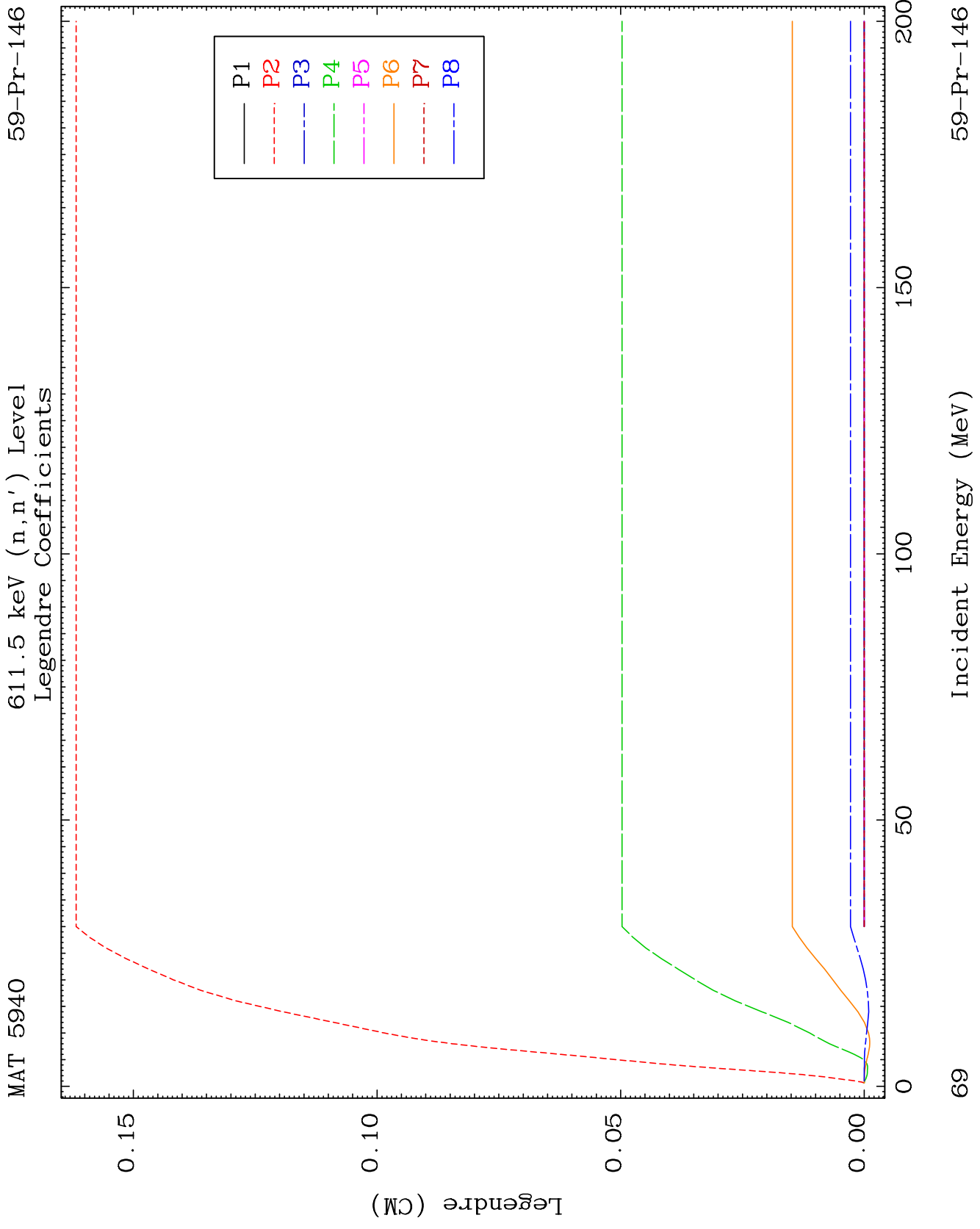
587.7 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



68

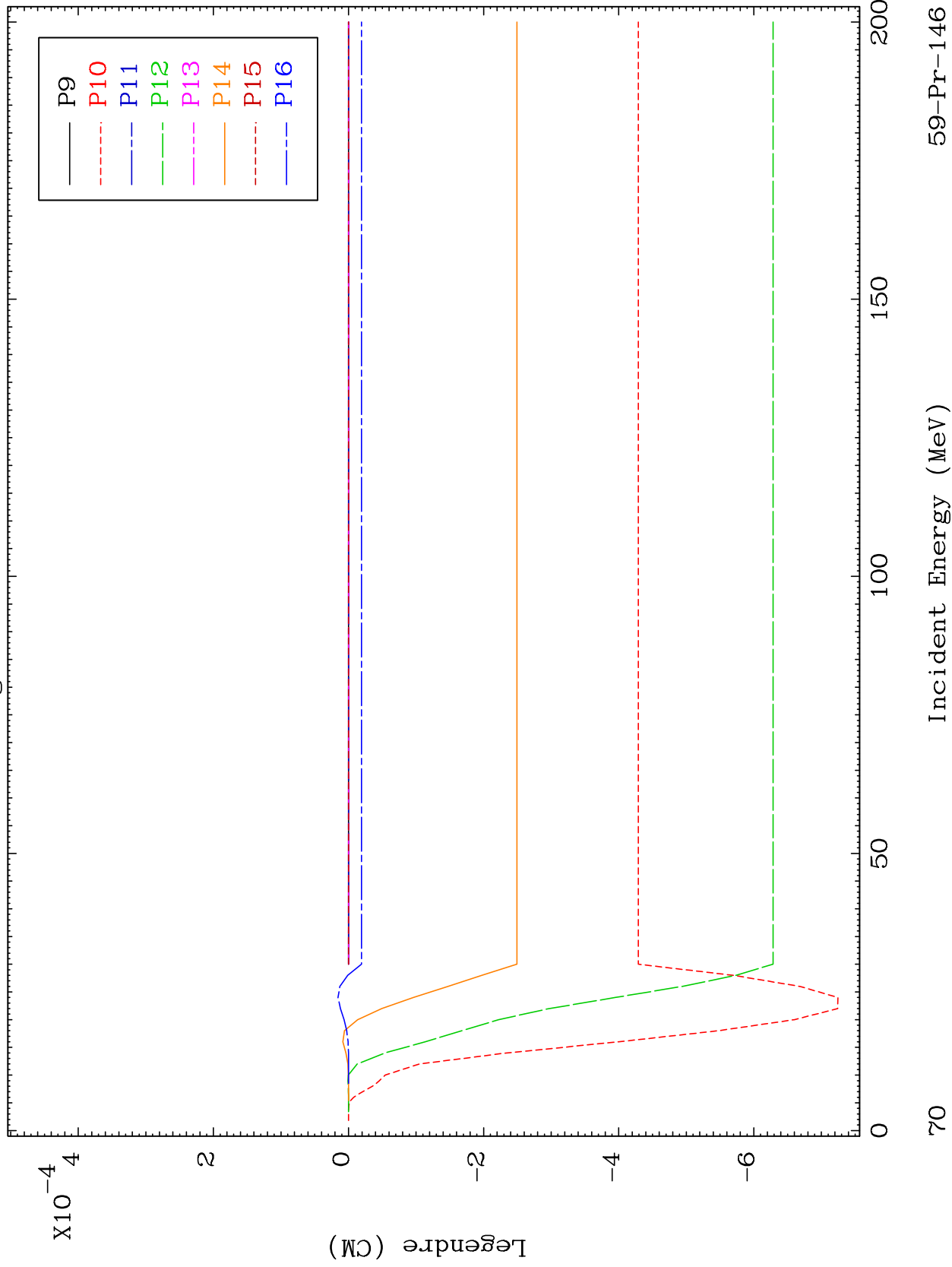
59-Pr-146



MAT 5940

611.5 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



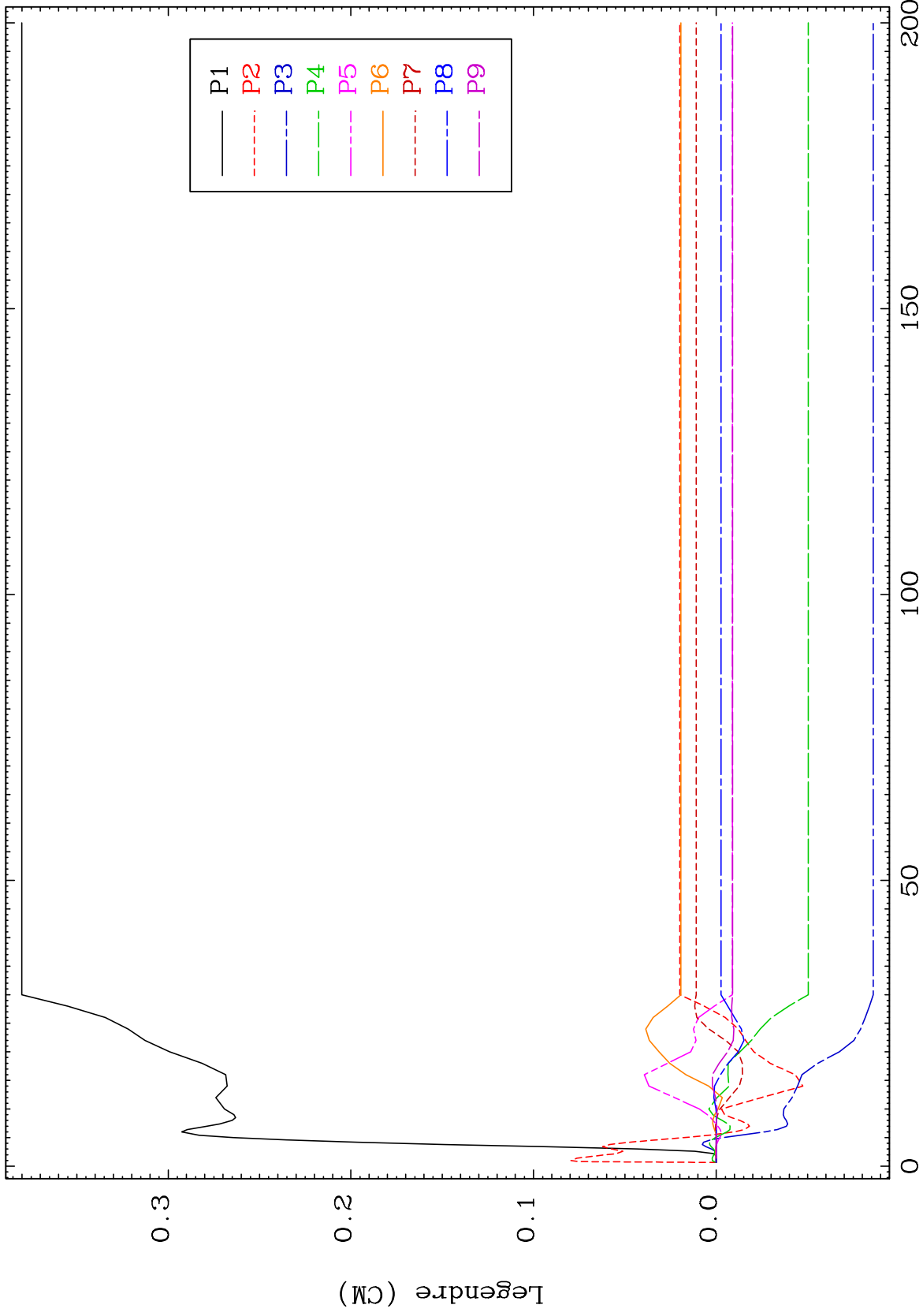
59-Pr-146

Incident Energy (MeV)

70



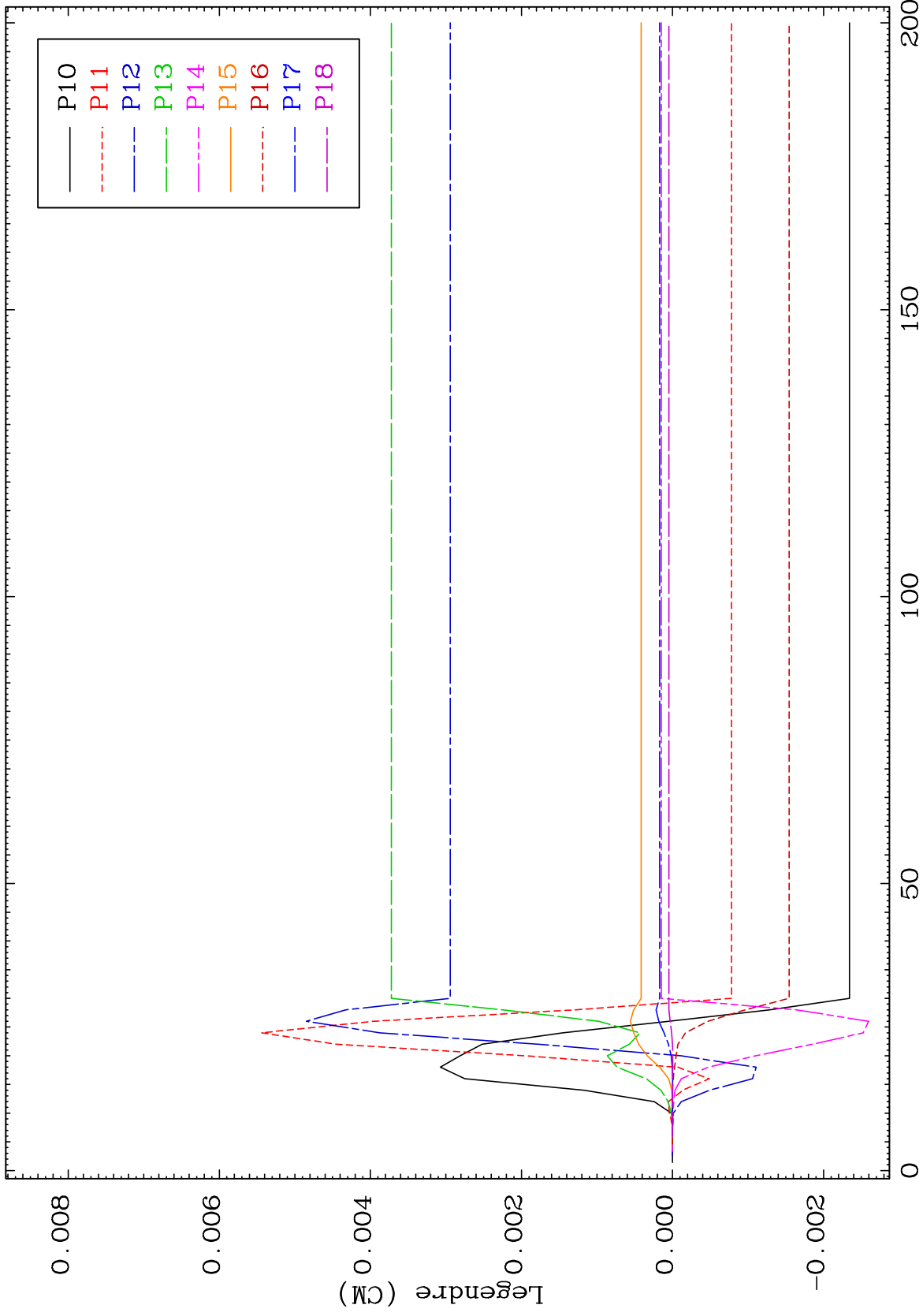




MAT 5940

641.8 keV (n,n') Level  
Legendre Coefficients

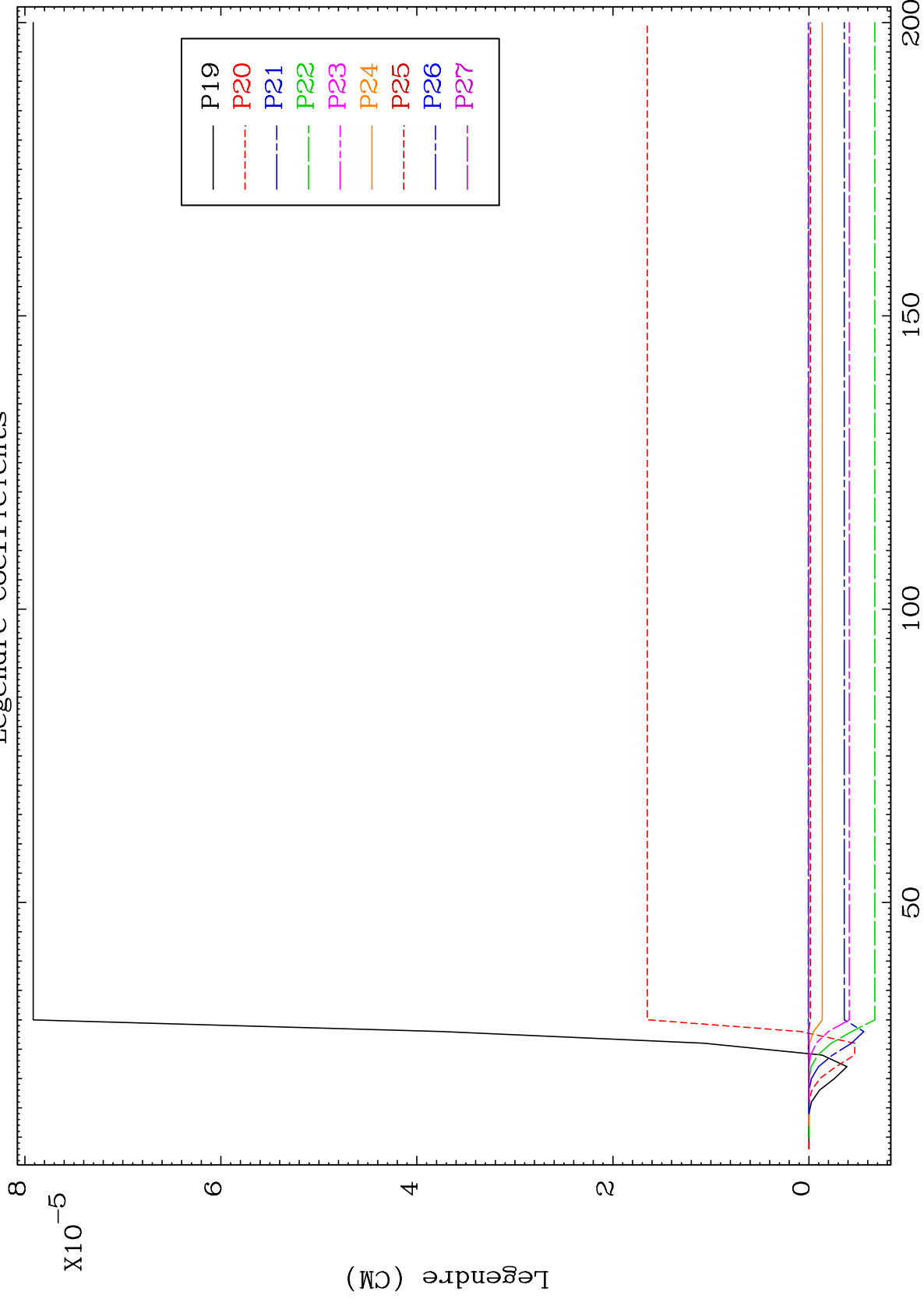
59-Pr-146



73

Incident Energy (MeV)

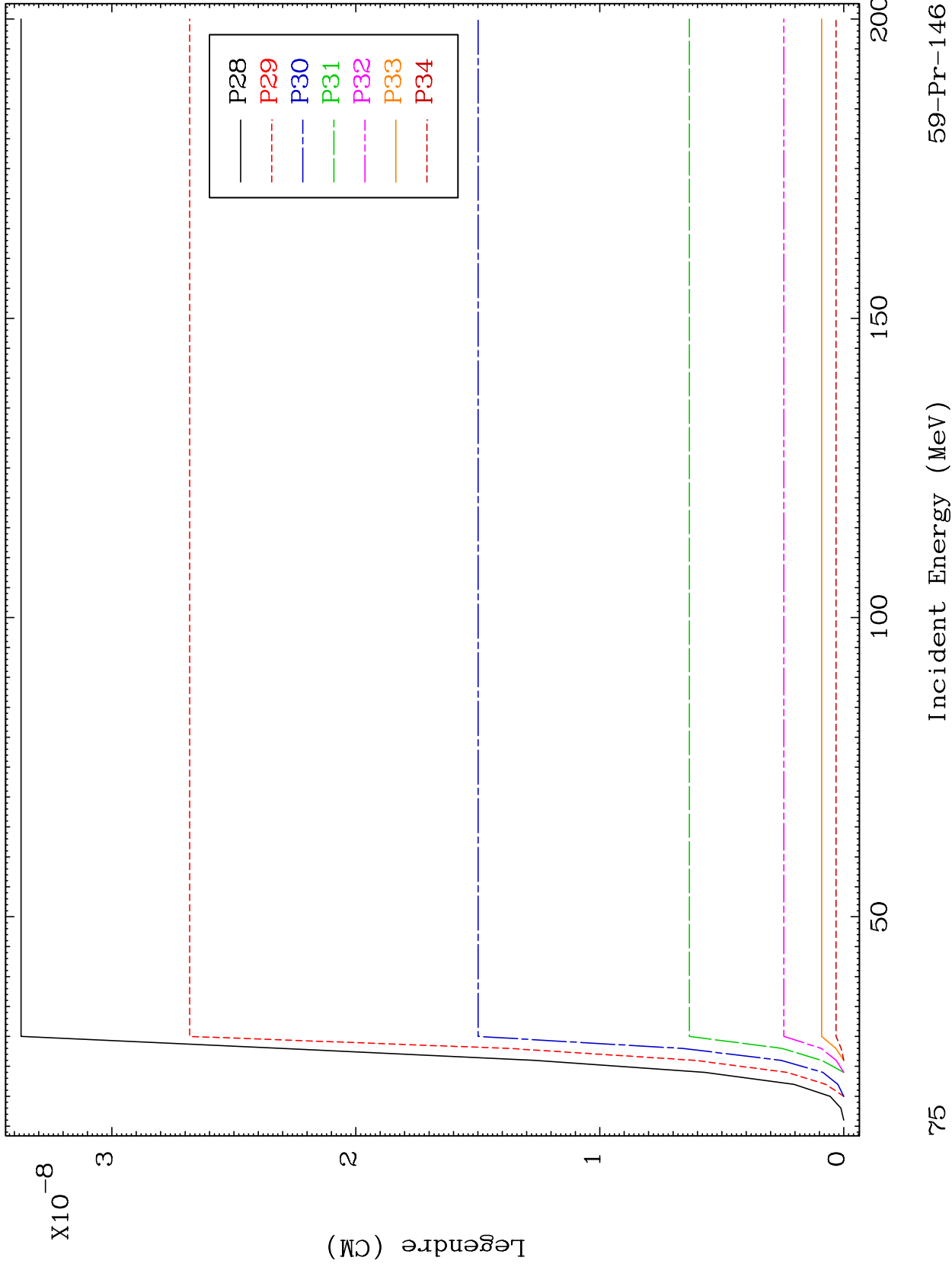
59-Pr-146



MAT 5940

641.8 keV (n,n') Level  
Legendre Coefficients

59-Pr-146

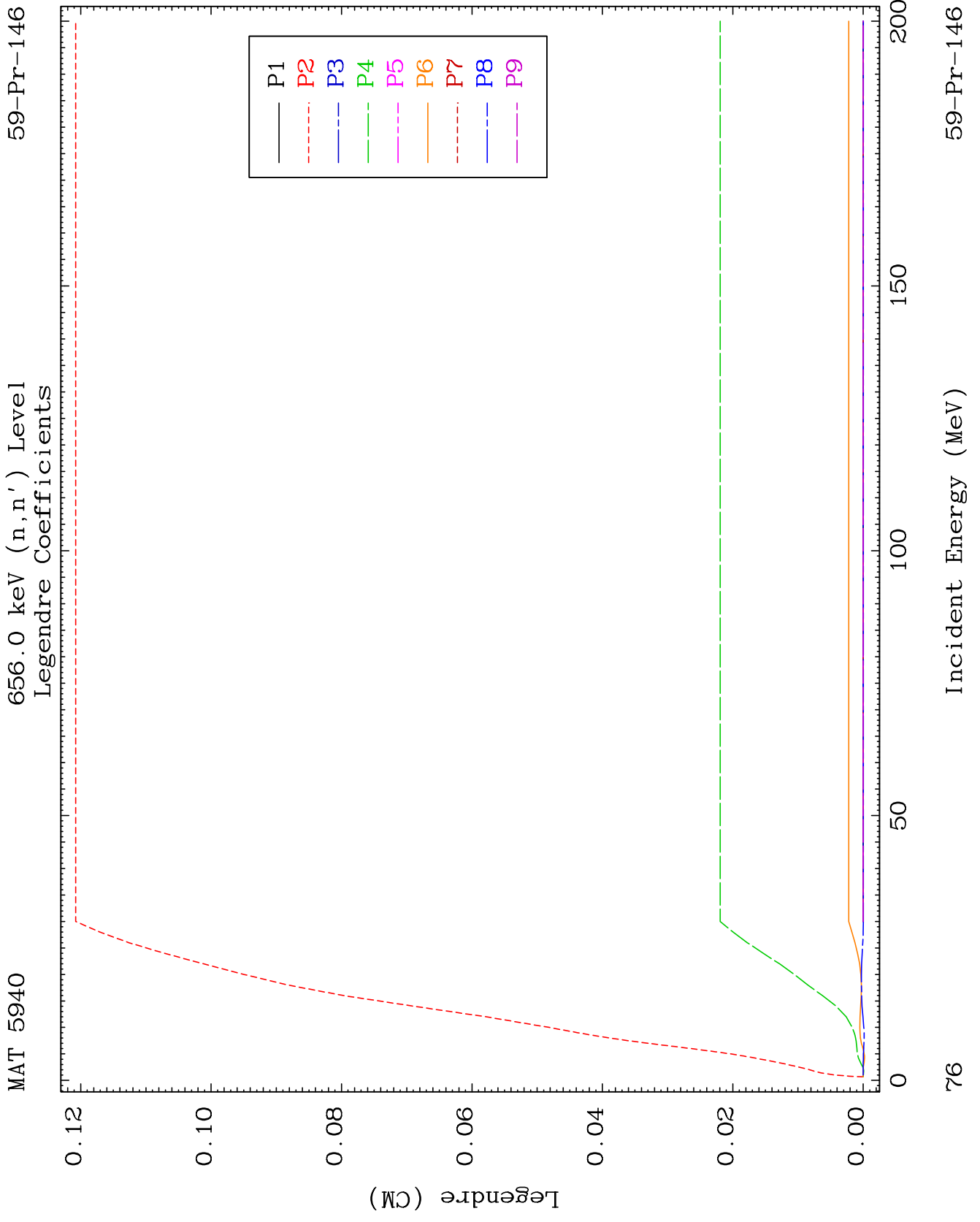


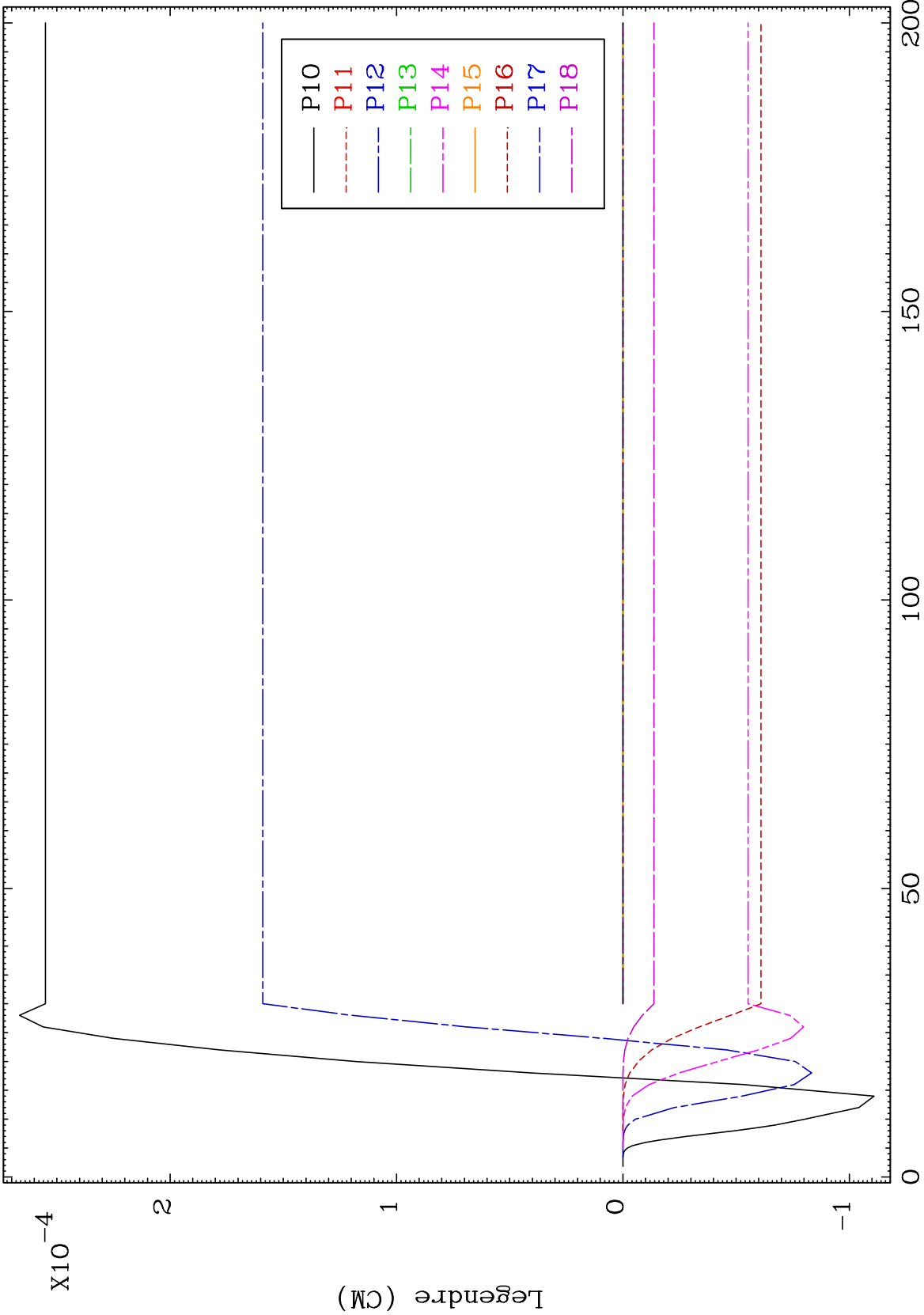
75

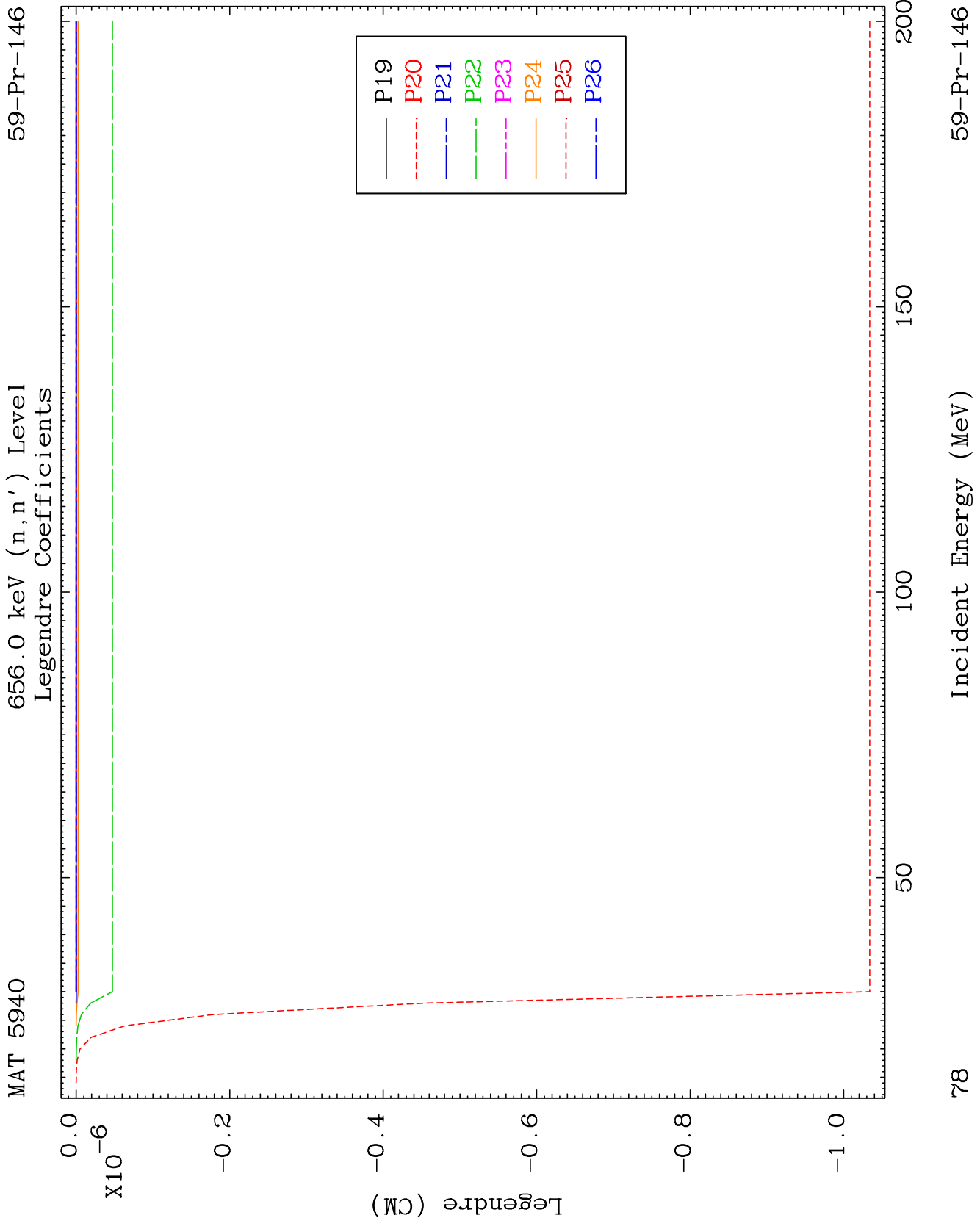
Incident Energy (MeV)

150

59-Pr-146







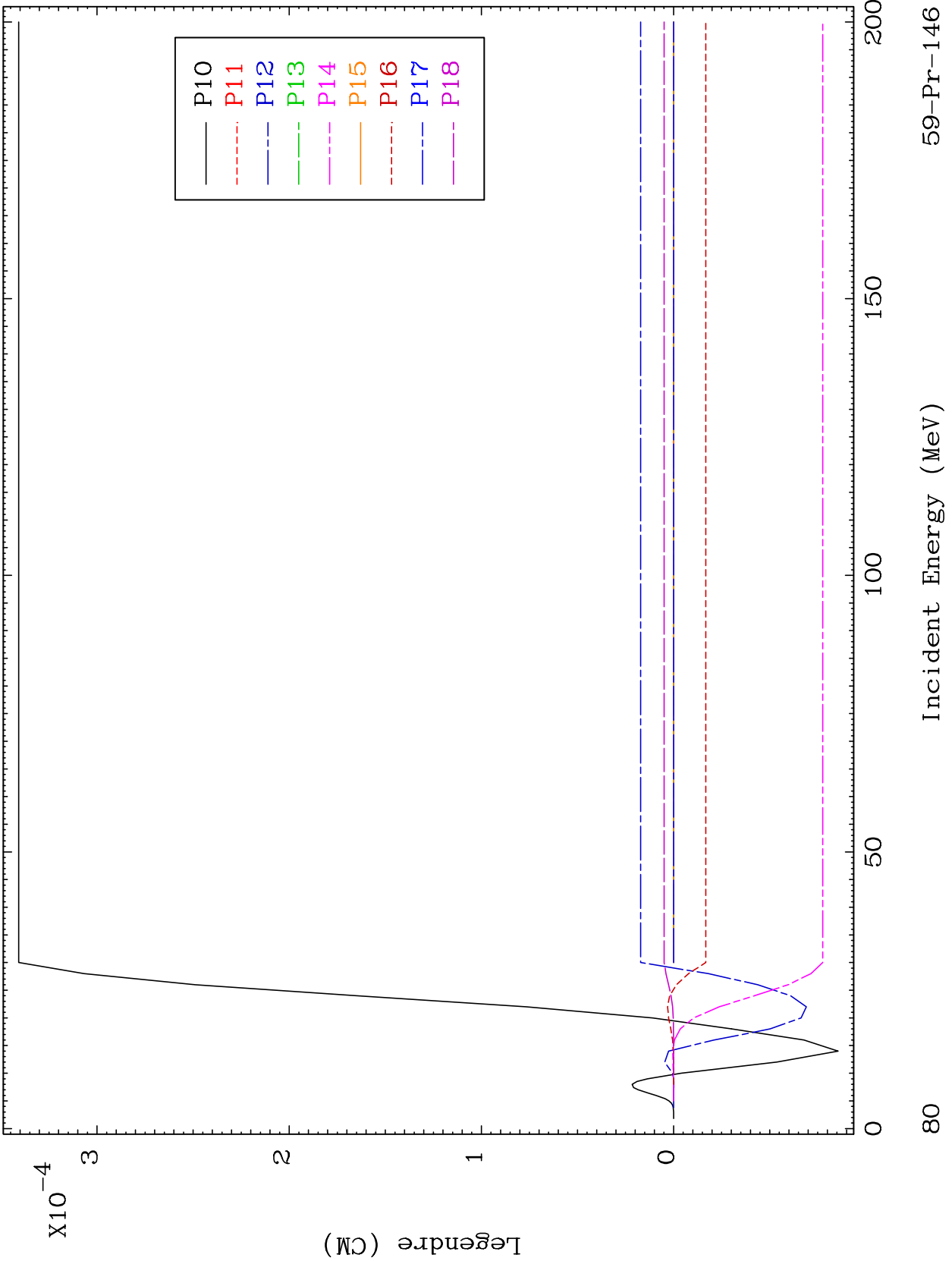




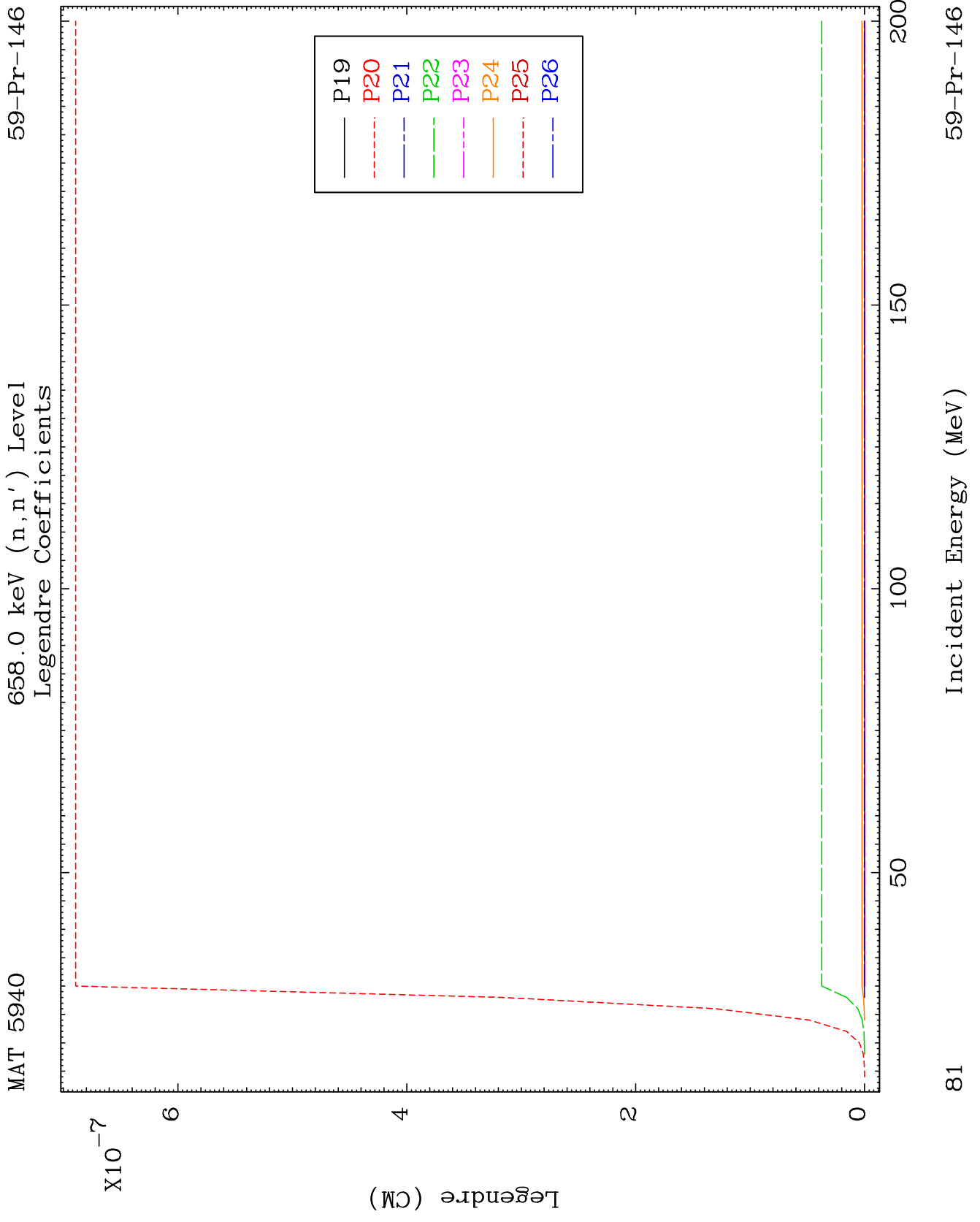
MAT 5940

658.0 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



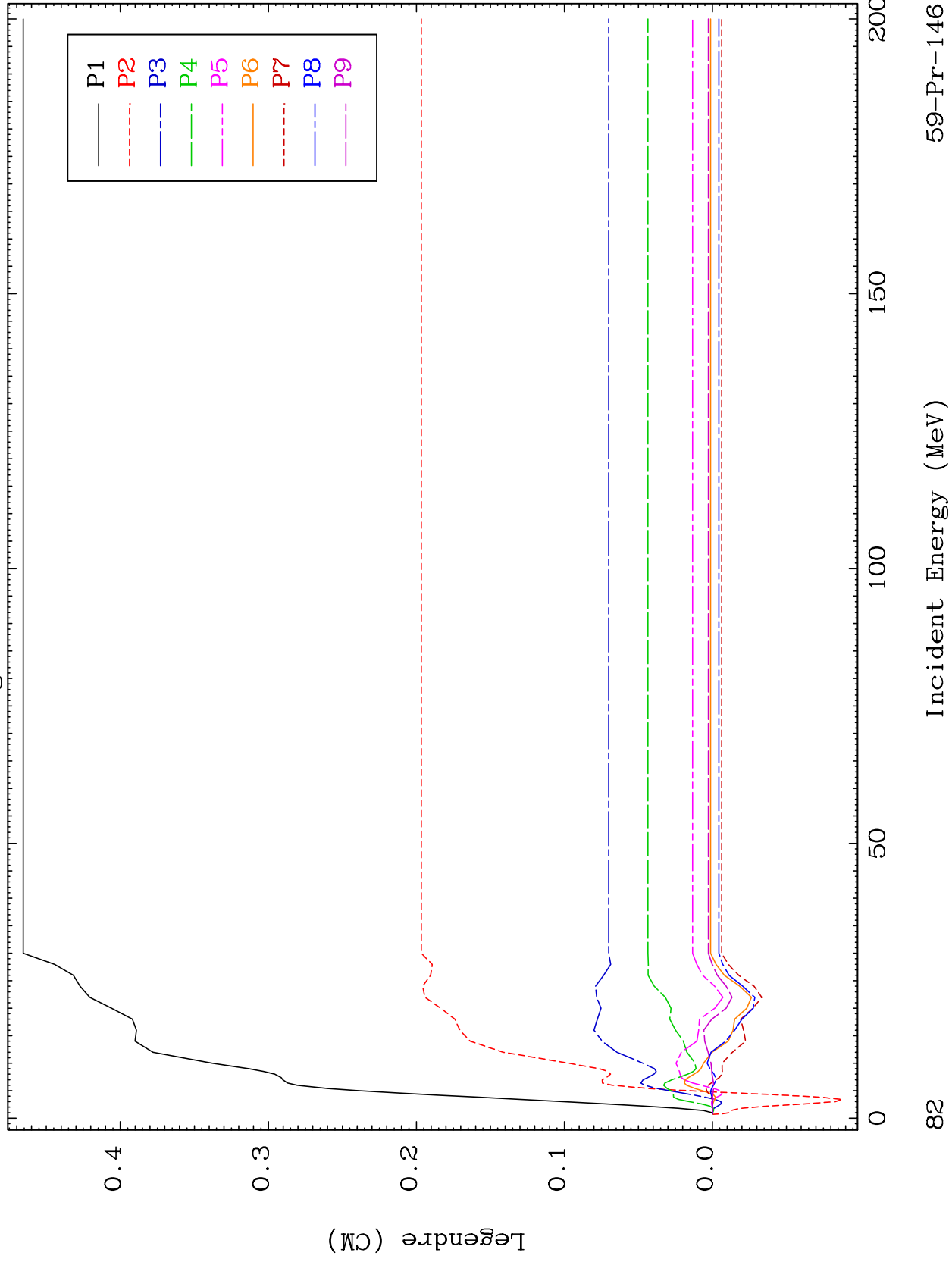
59-Pr-146



MAT 5940

674.5 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



59-Pr-146

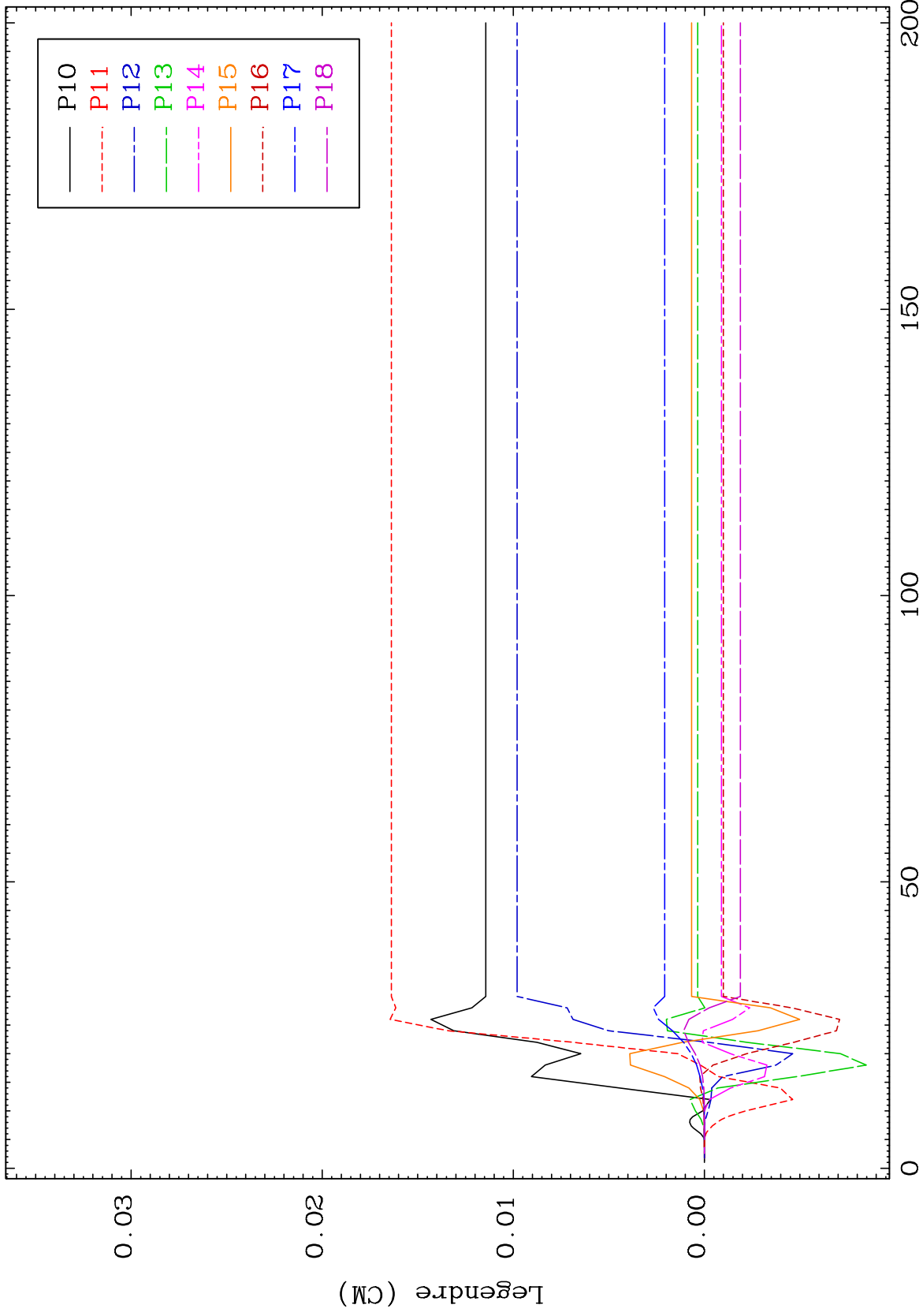
Incident Energy (MeV)

82

MAT 5940

674.5 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



83

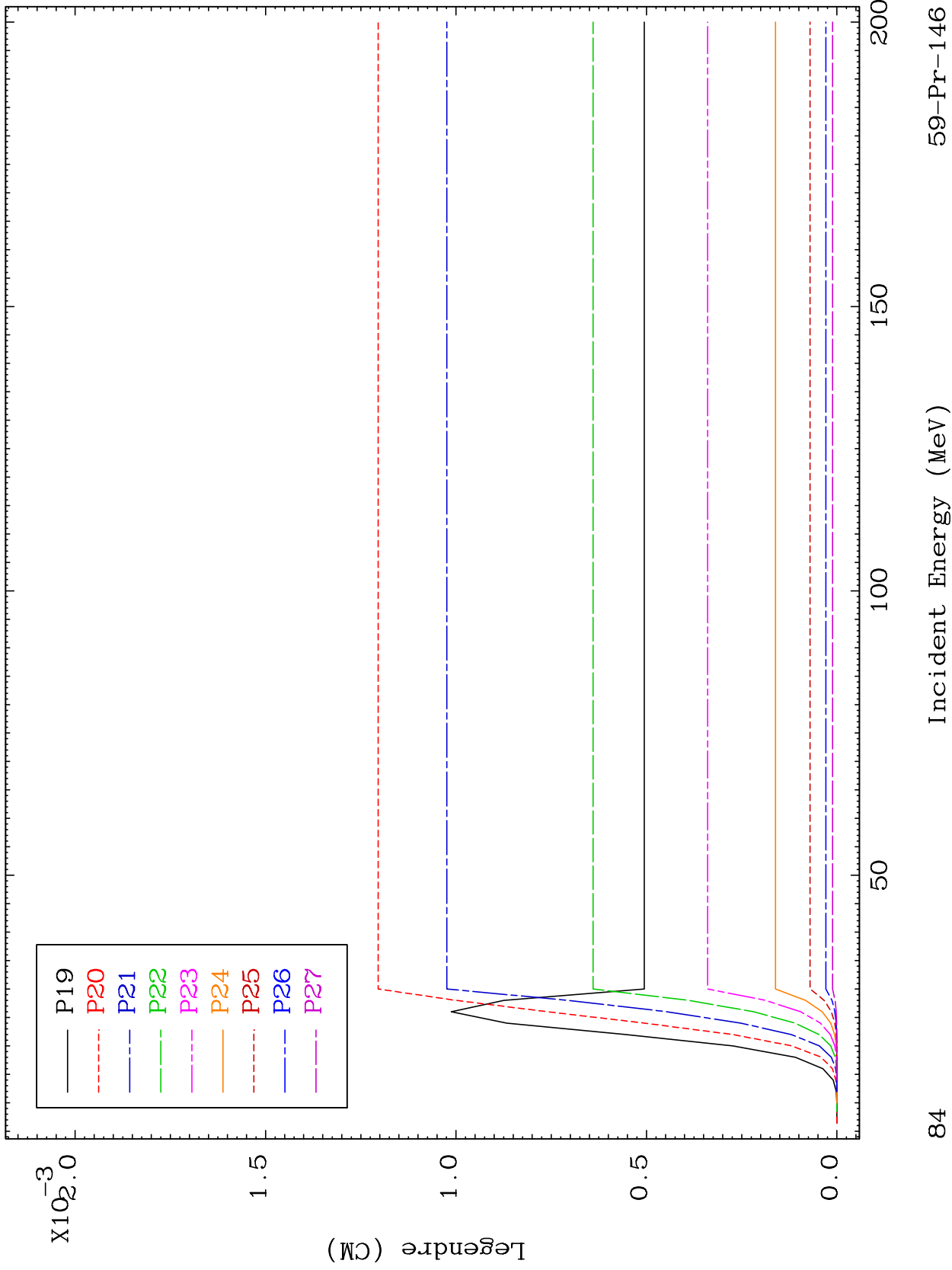
Incident Energy (MeV)

59-Pr-146

MAT 5940

674.5 keV (n, n') Level  
Legendre Coefficients

59-Pr-146



84

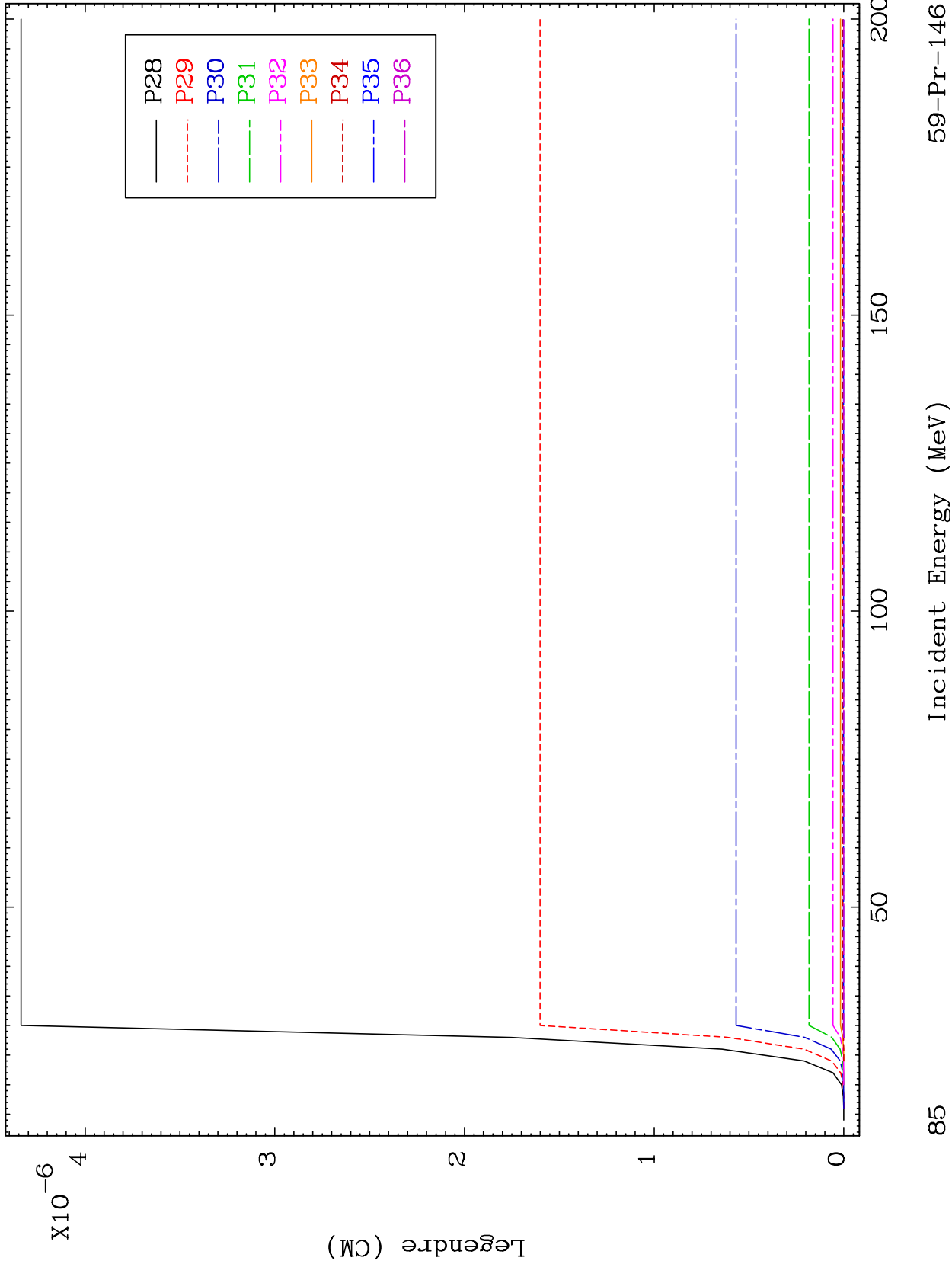
Incident Energy (MeV)

59-Pr-146

MAT 5940

674.5 keV (n,n') Level  
Legendre Coefficients

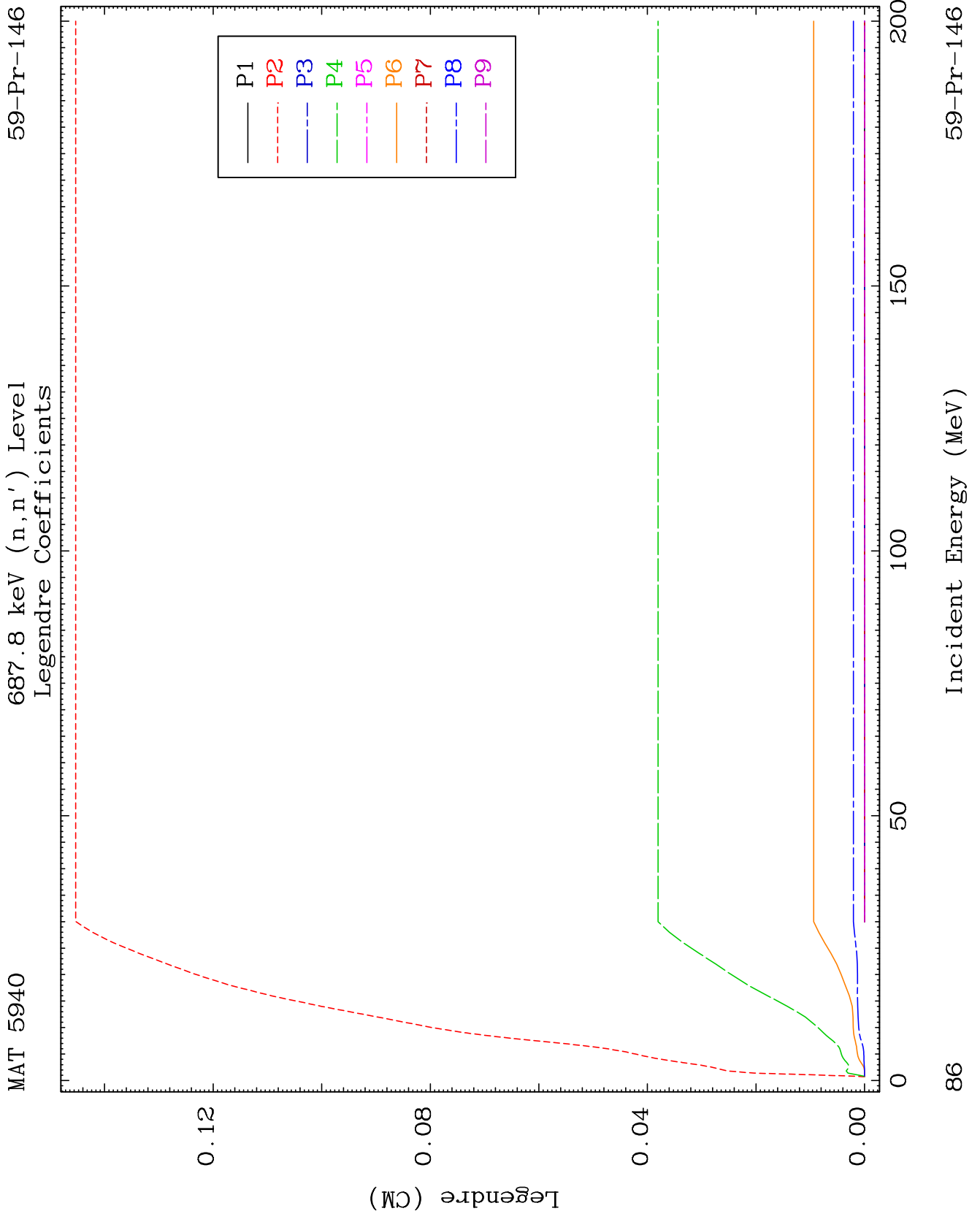
59-Pr-146



85

Incident Energy (MeV)

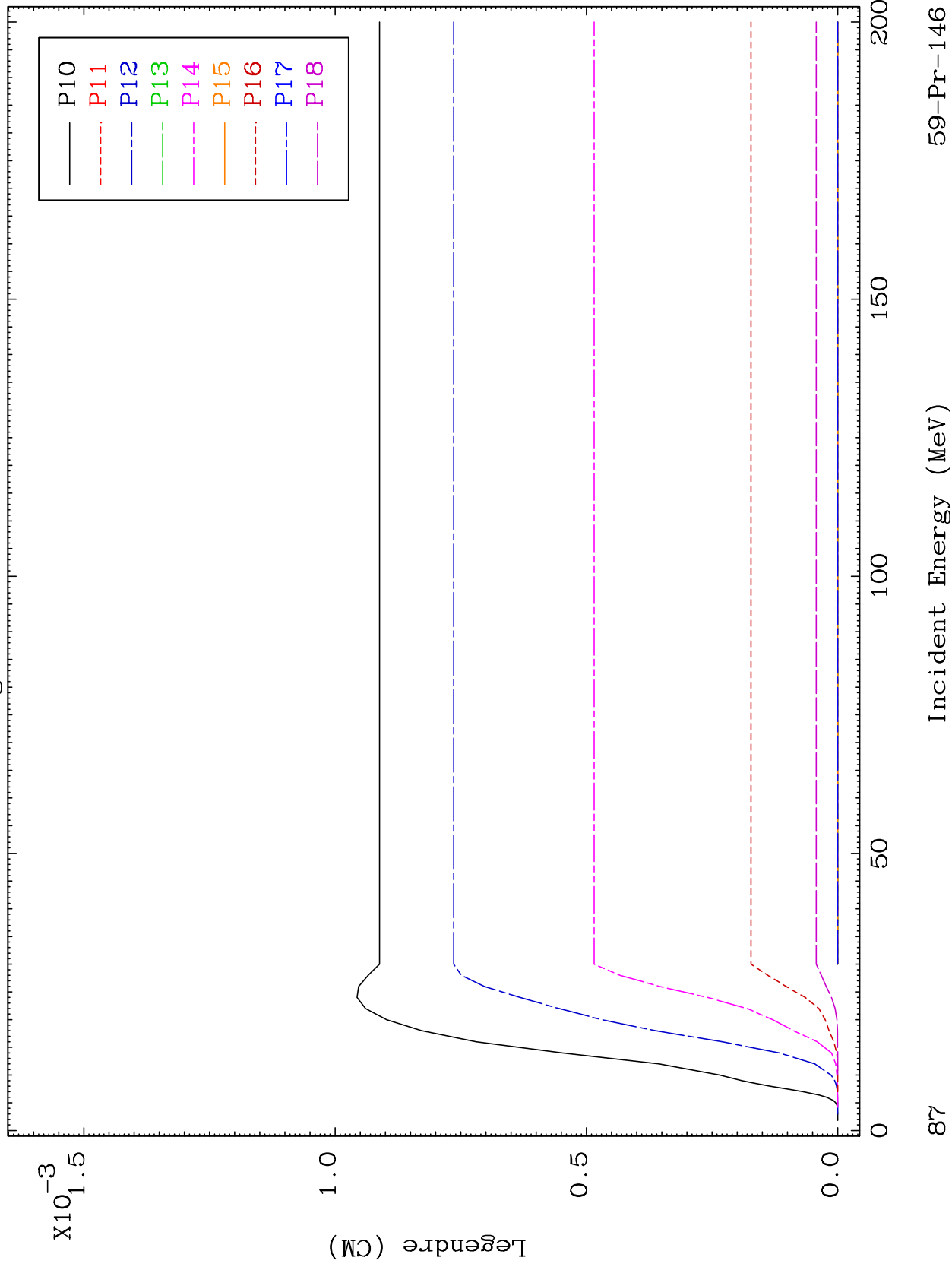
59-Pr-146



MAT 5940

687.8 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



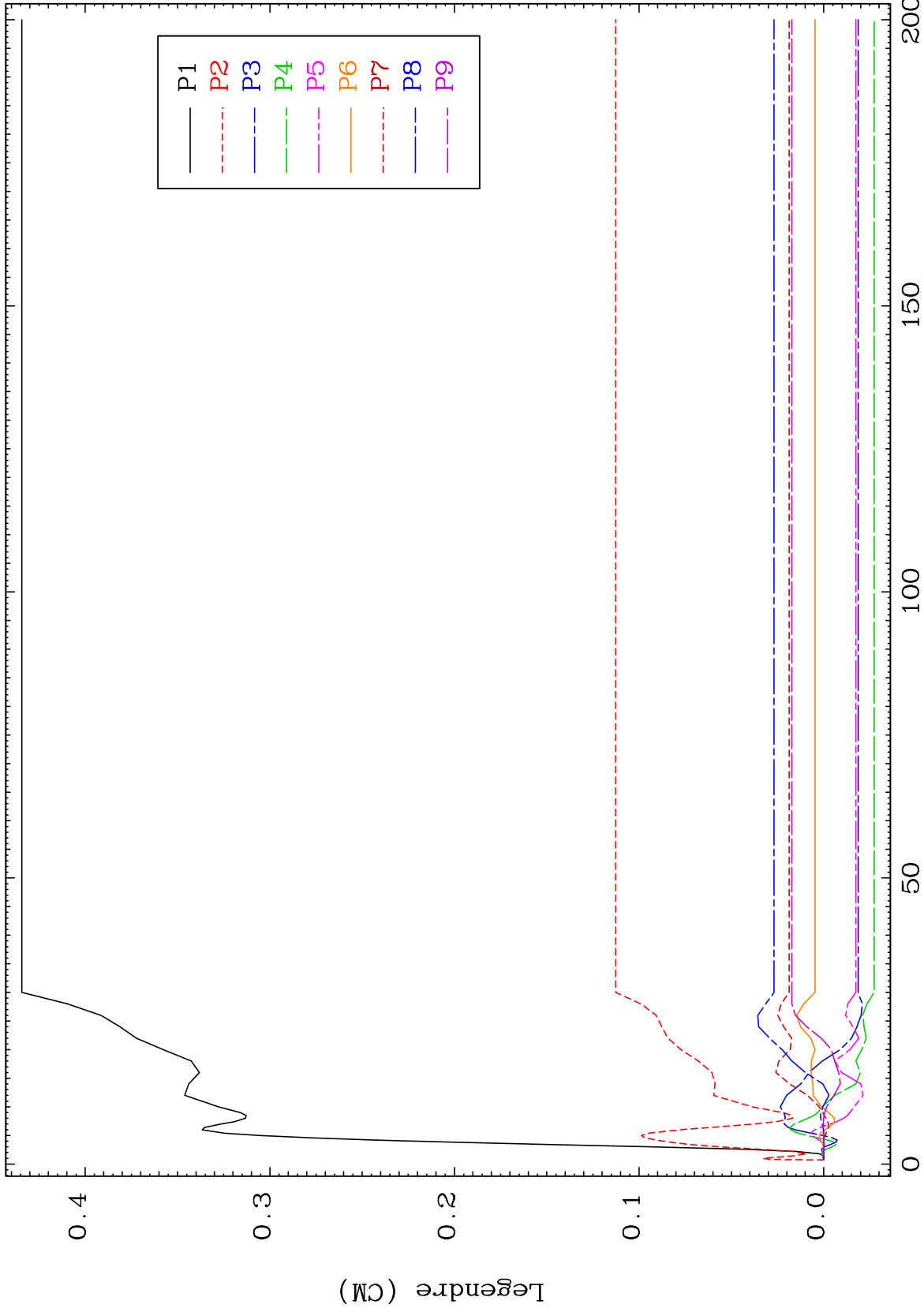
59-Pr-146

Incident Energy (MeV)

87



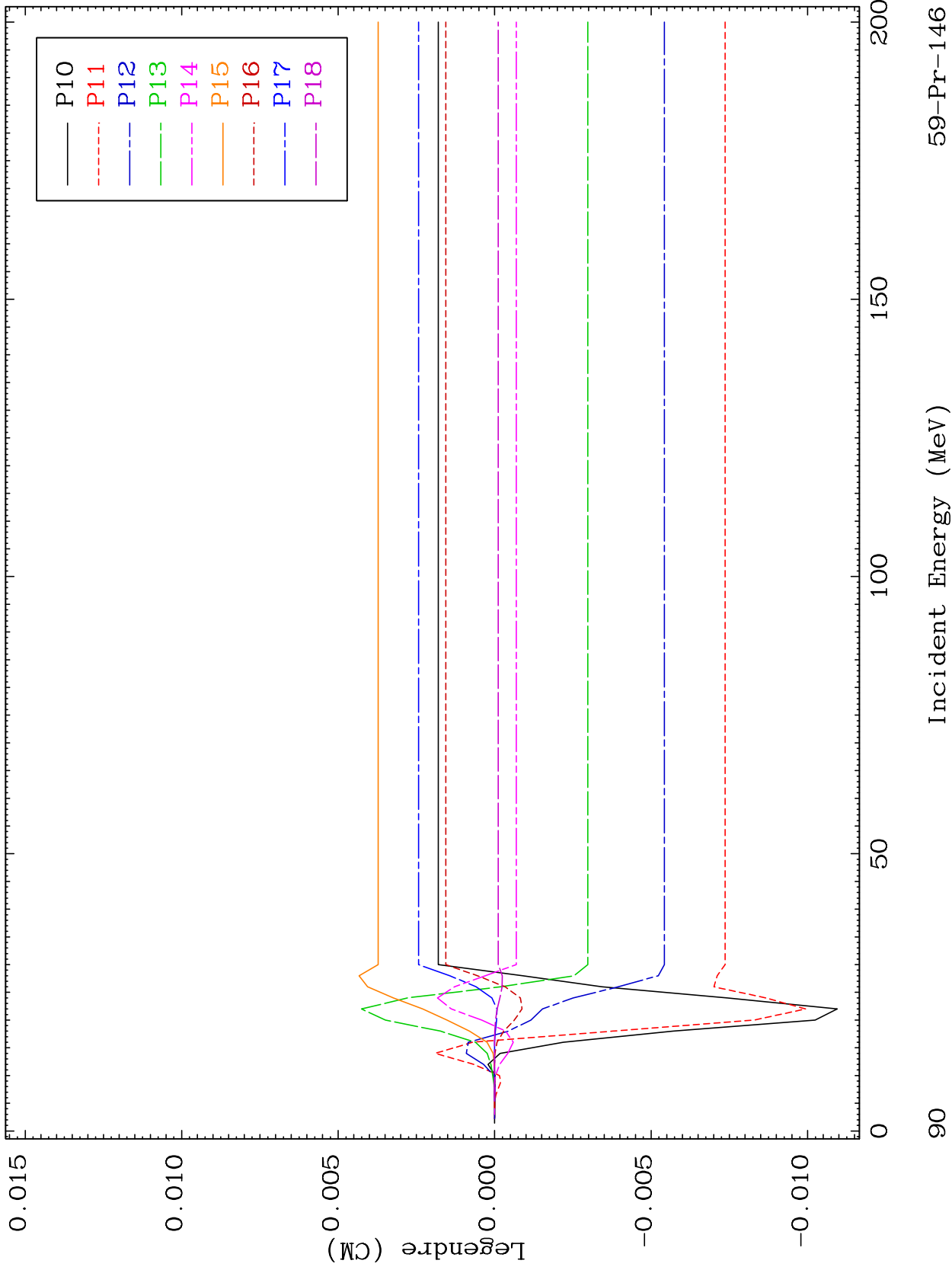




MAT 5940

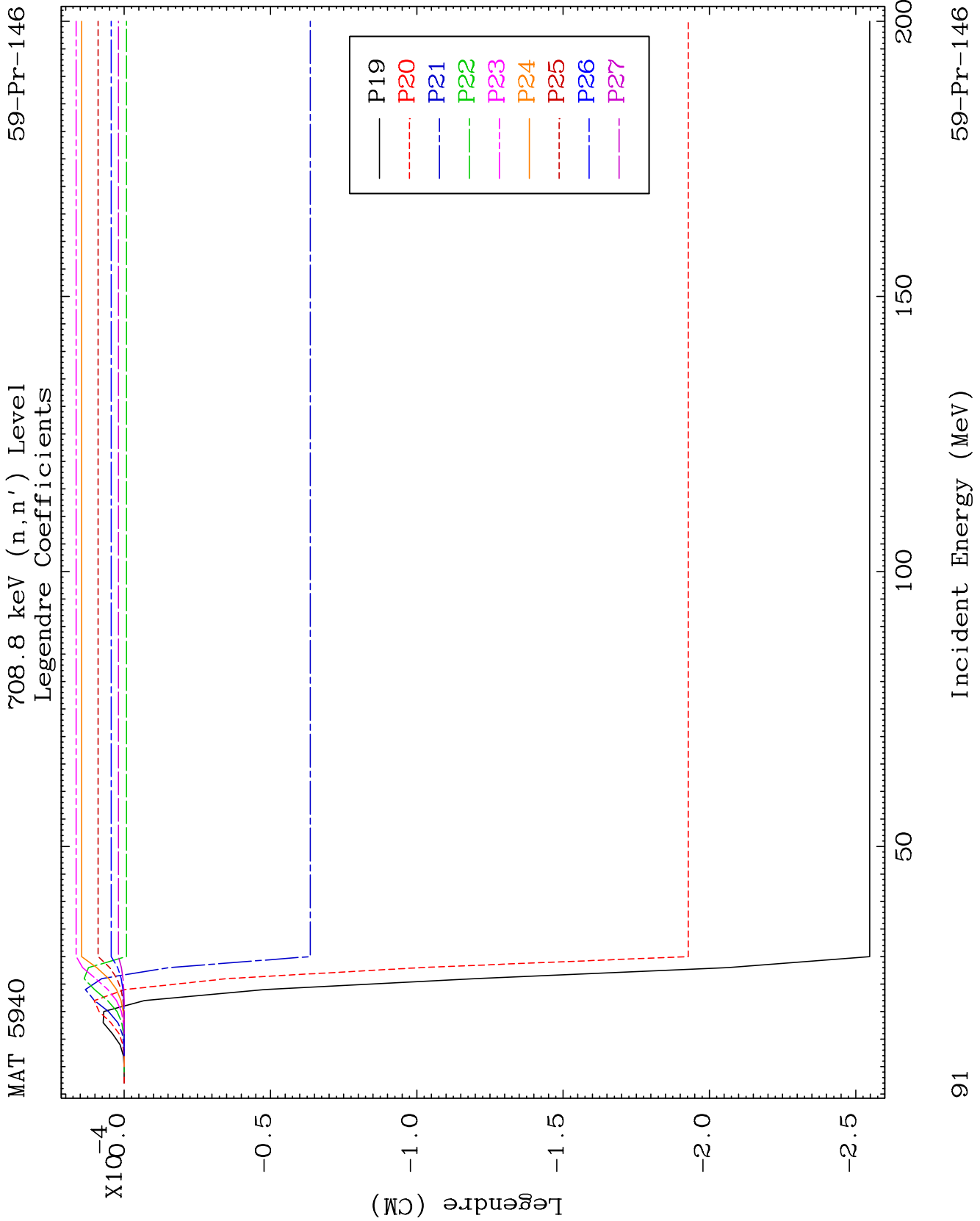
708.8 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



59-Pr-146

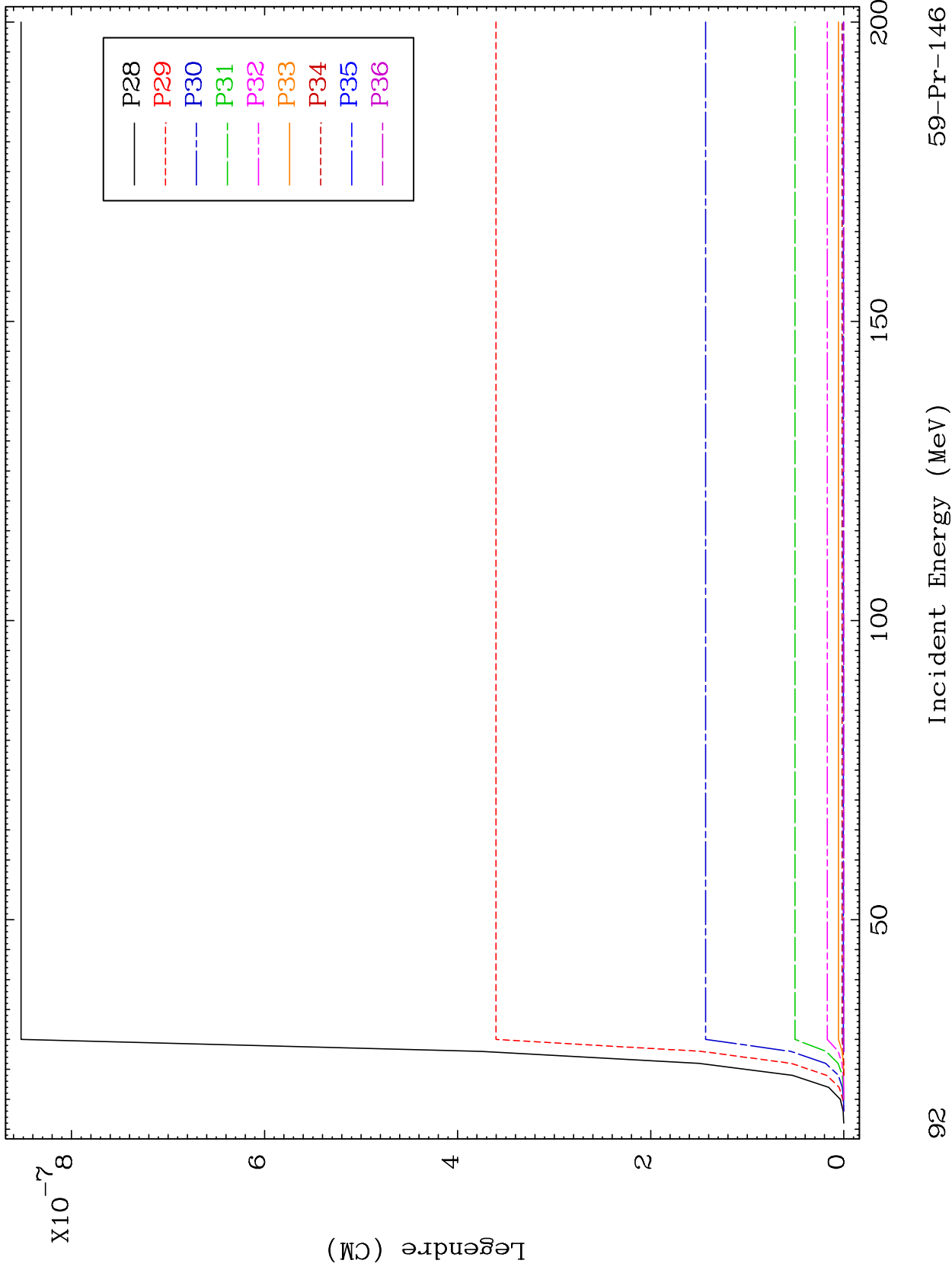
Incident Energy (MeV)



MAT 5940

708.8 keV (n,n') Level  
Legendre Coefficients

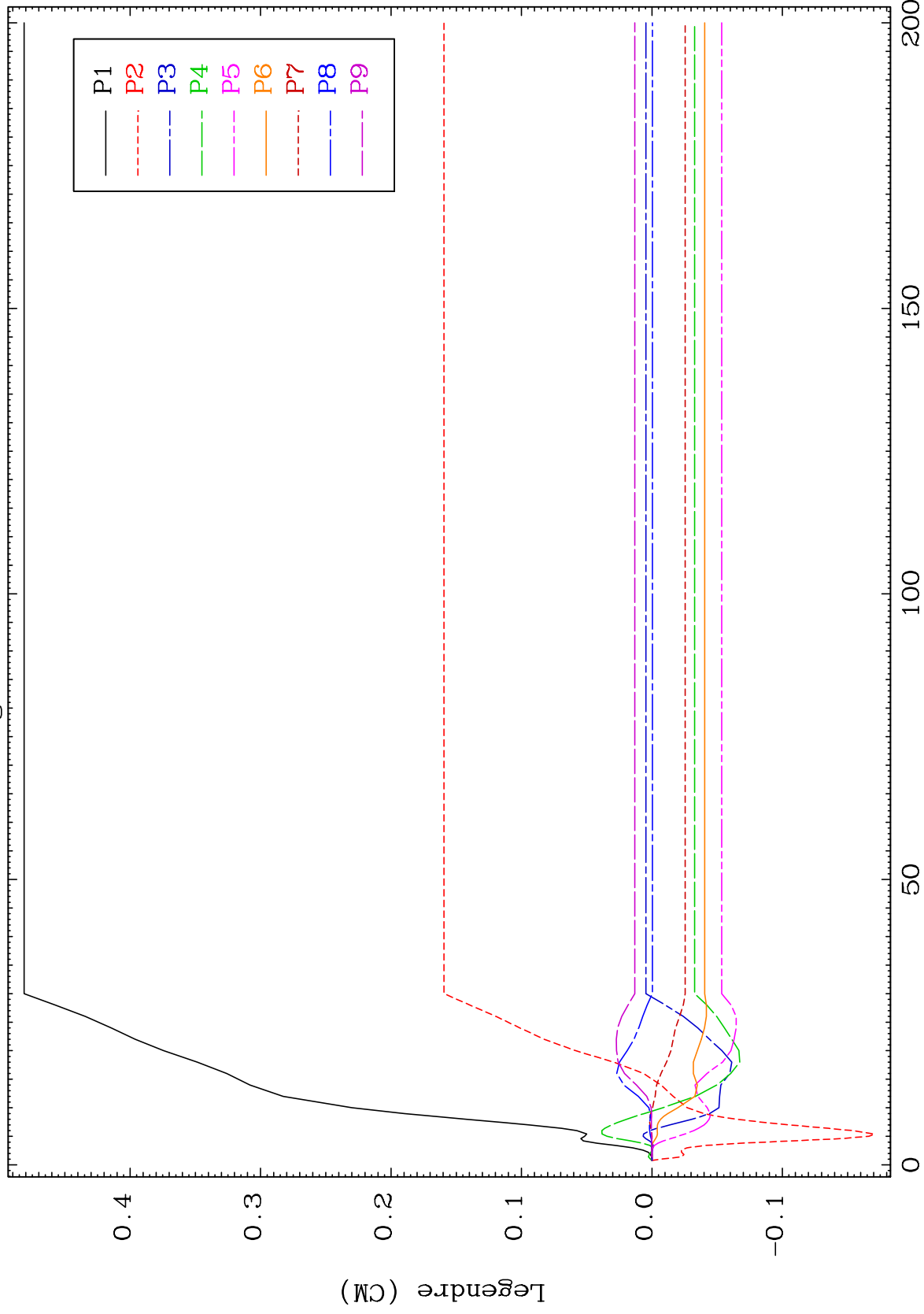
59-Pr-146



92

Incident Energy (MeV)

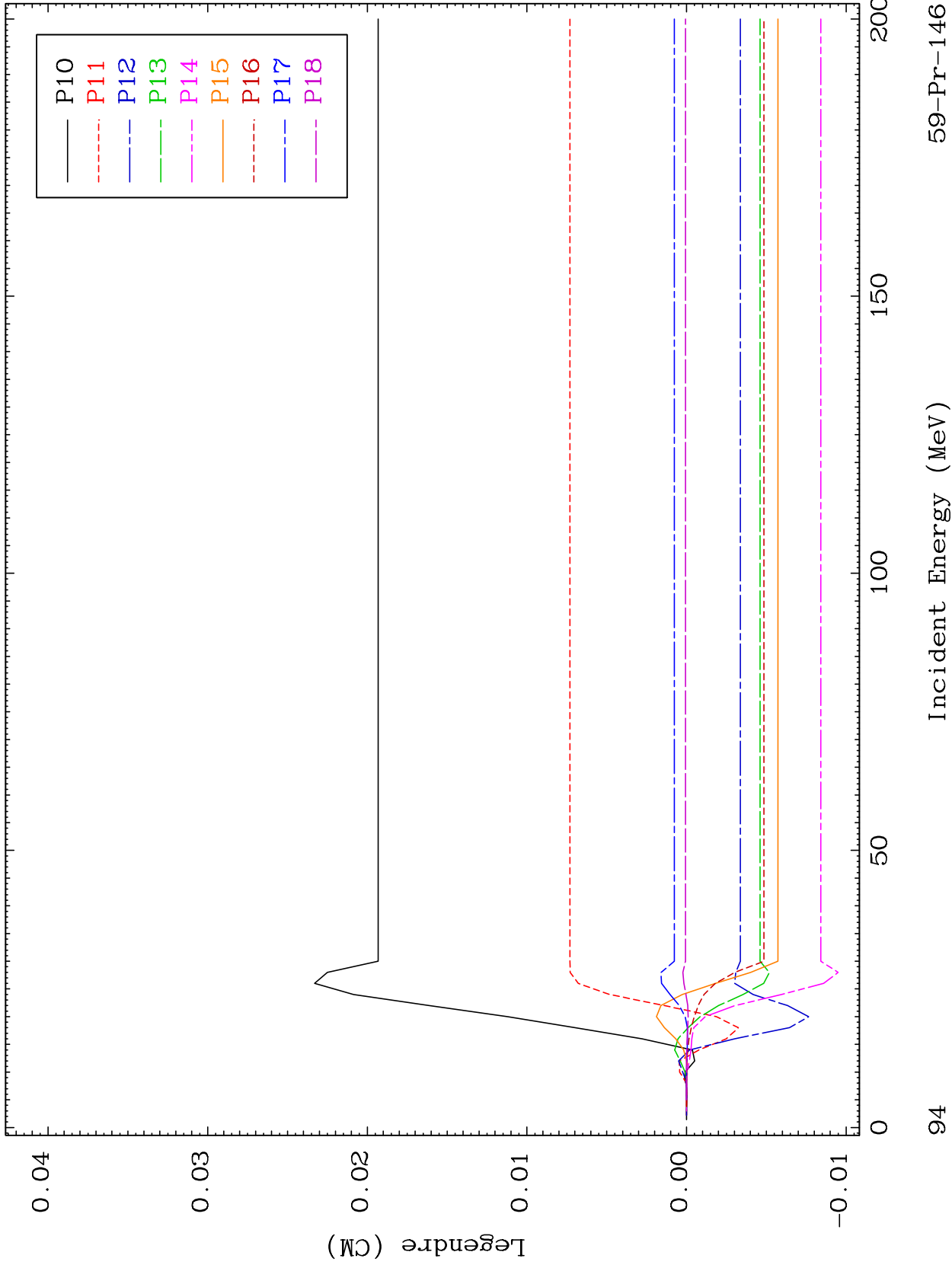
59-Pr-146

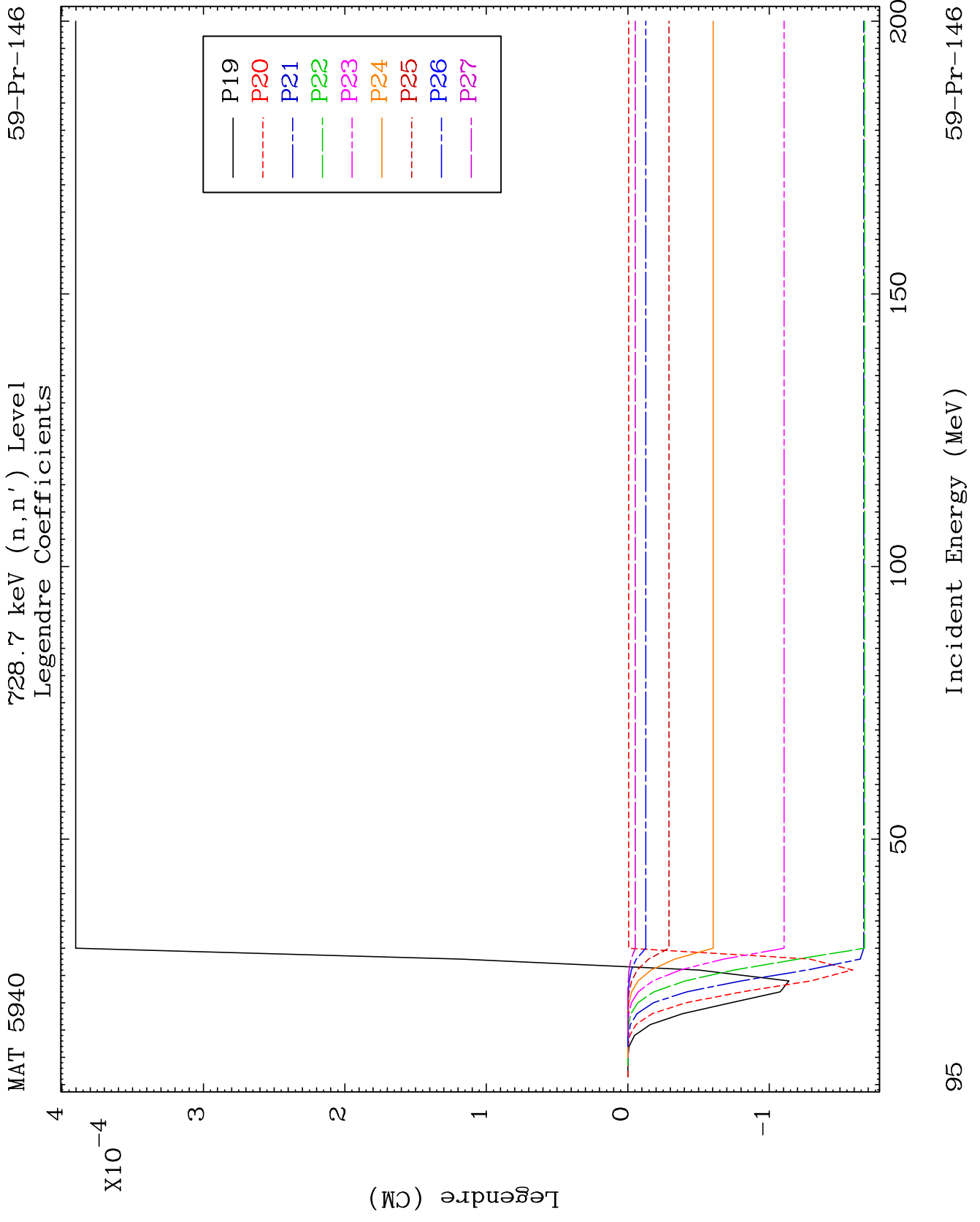


MAT 5940

728.7 keV (n,n') Level  
Legendre Coefficients

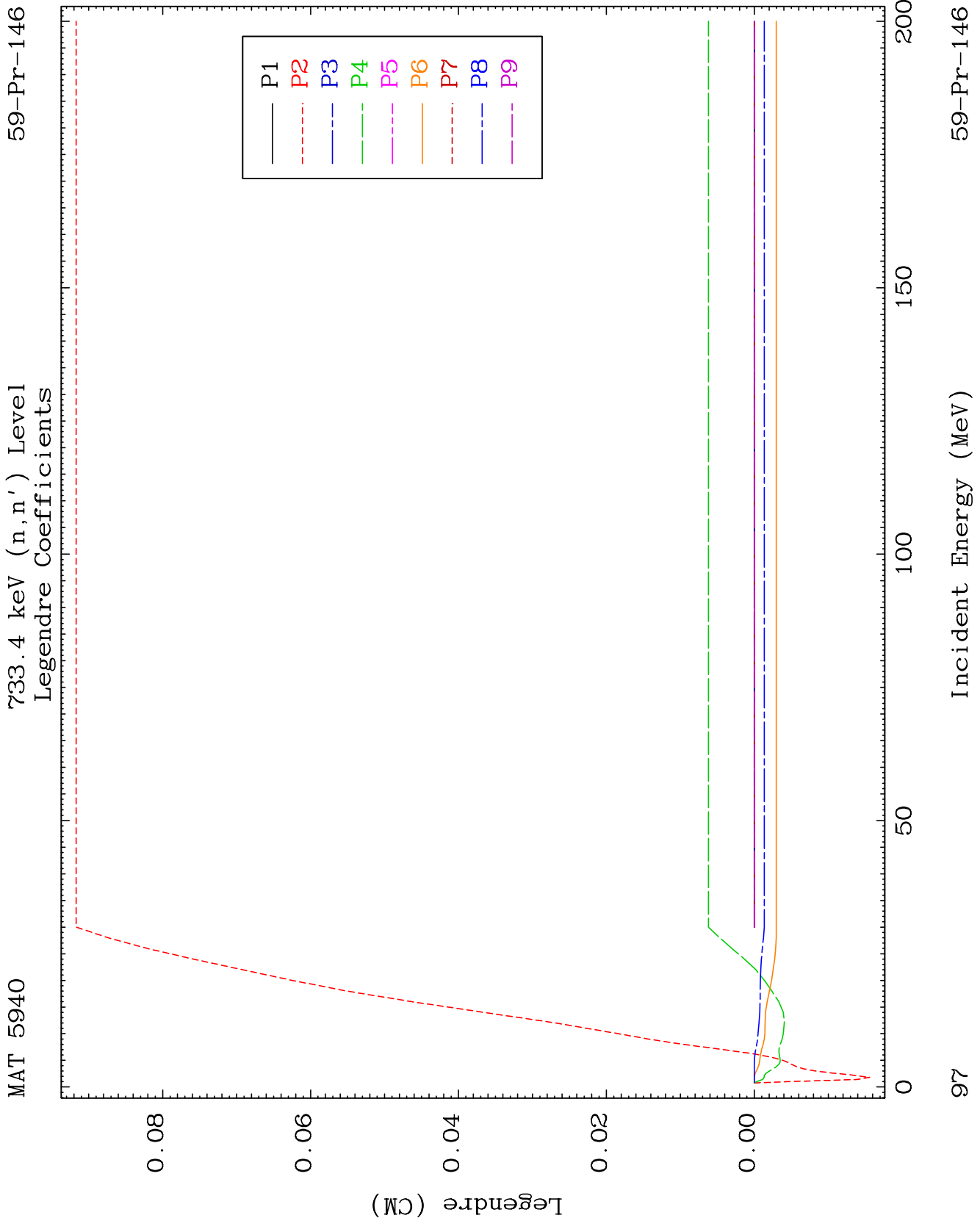
59-Pr-146

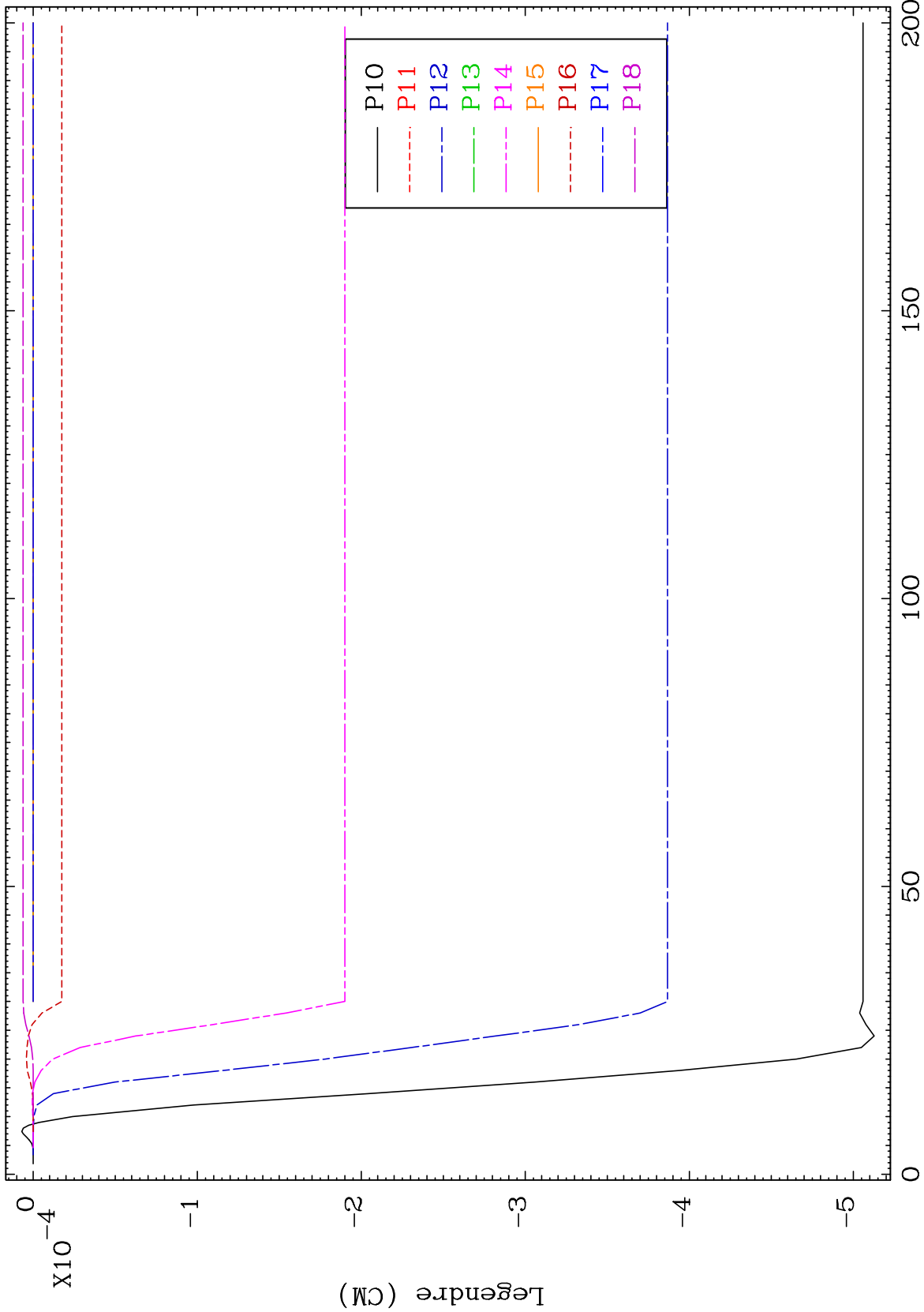










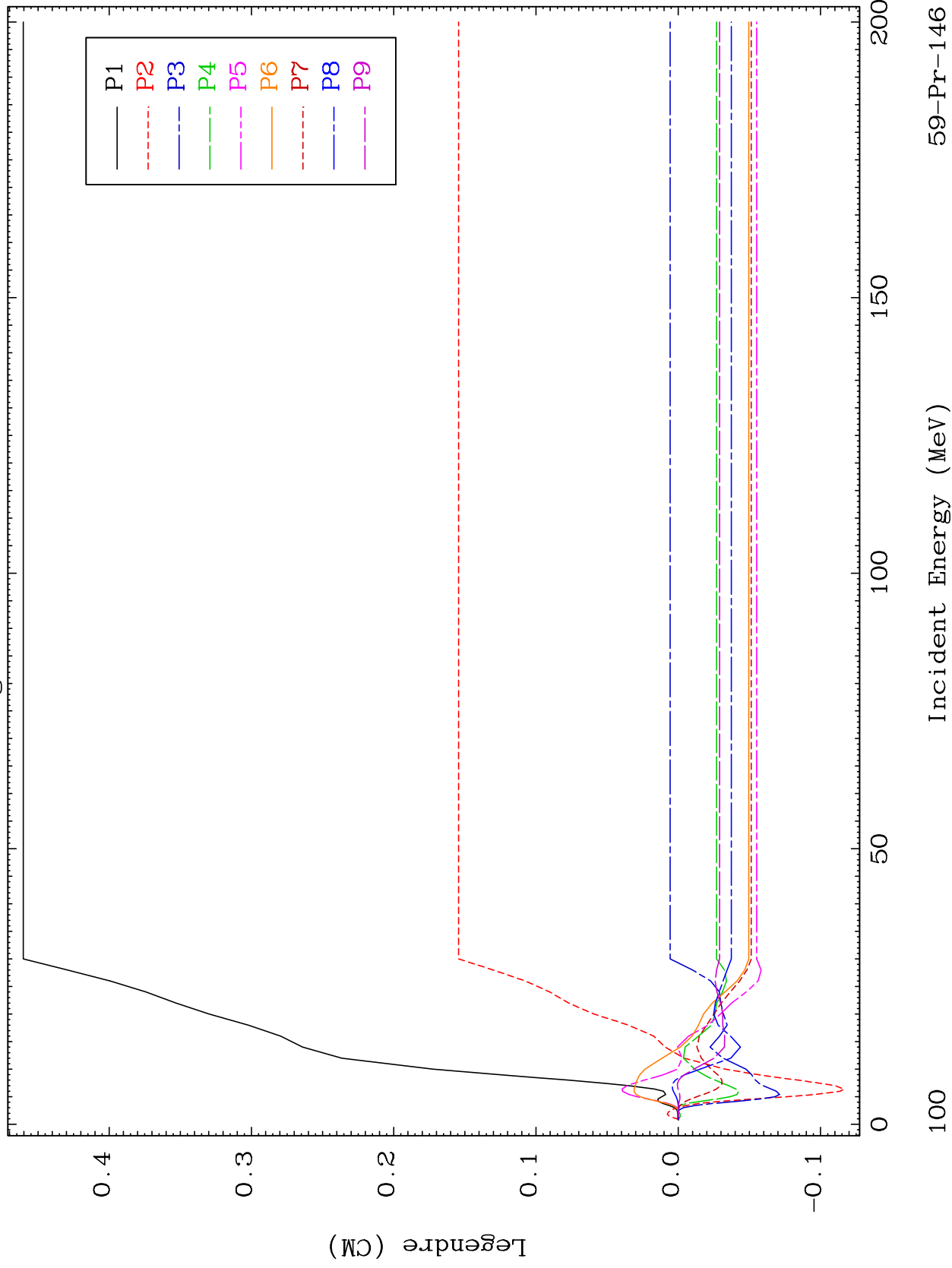




MAT 5940

756.0 keV (n,n') Level  
Legendre Coefficients

59-Pr-146

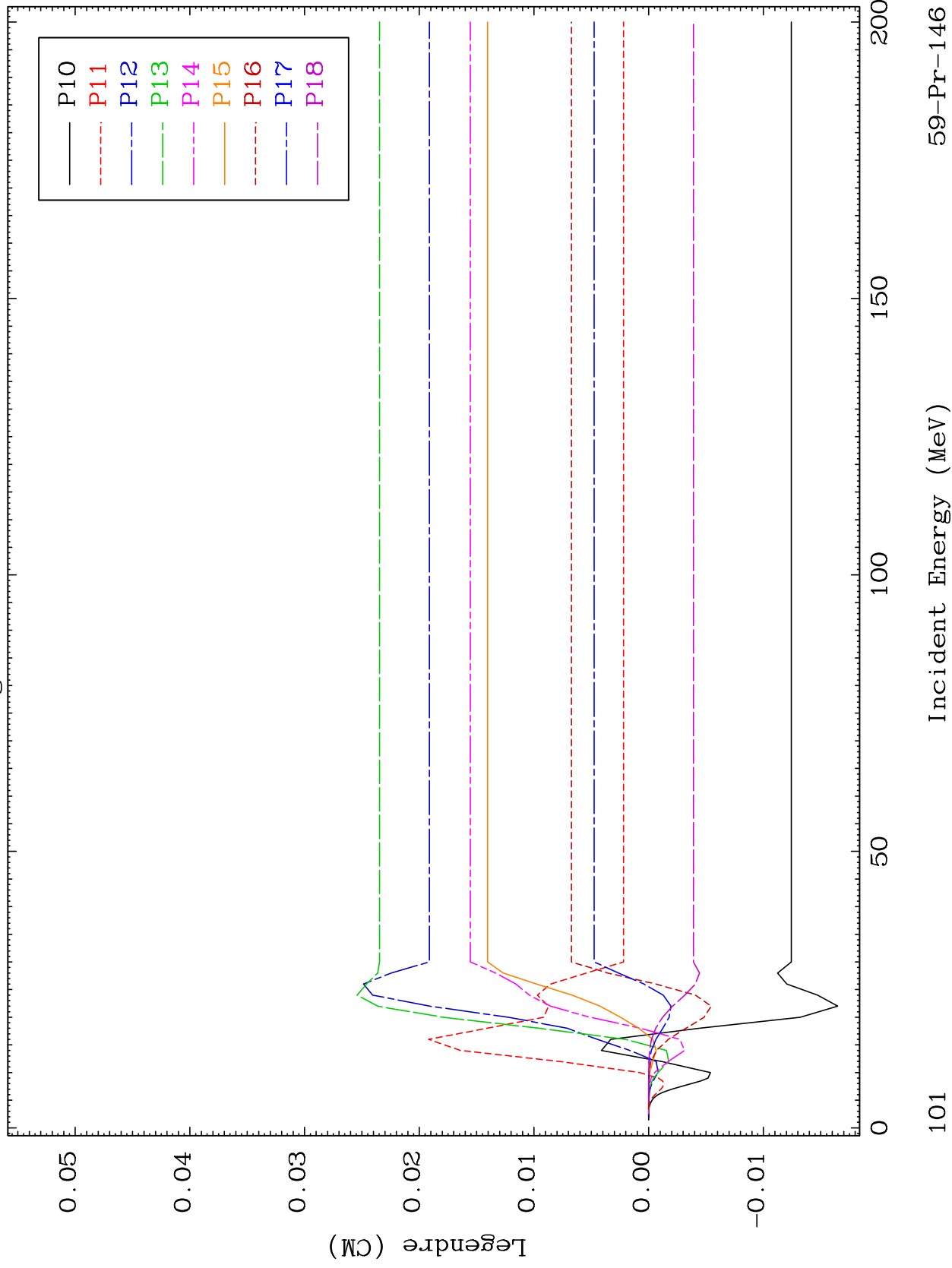


59-Pr-146

MAT 5940

756.0 keV (n,n') Level  
Legendre Coefficients

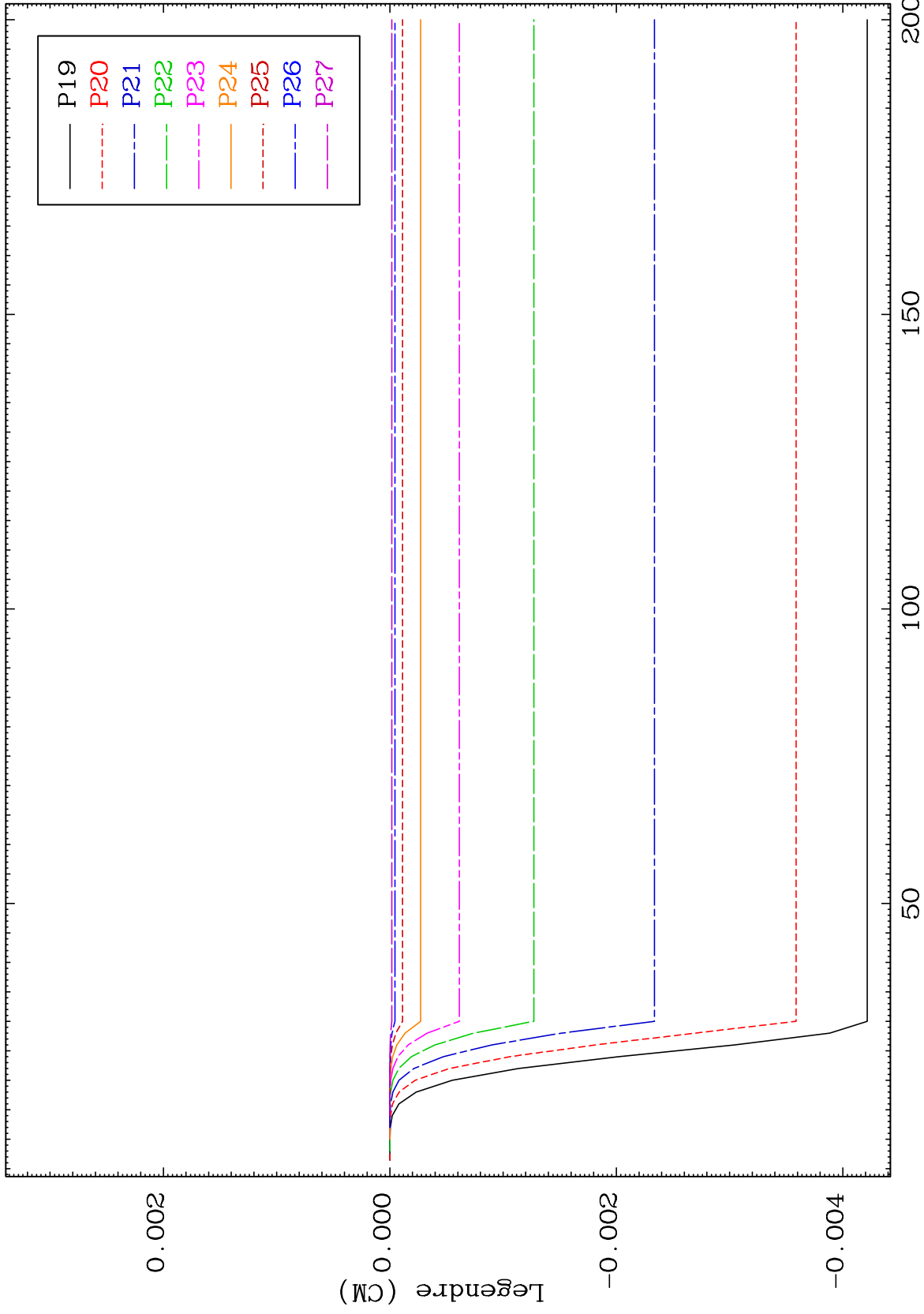
59-Pr-146



MAT 5940

756.0 keV (n,n') Level  
Legendre Coefficients

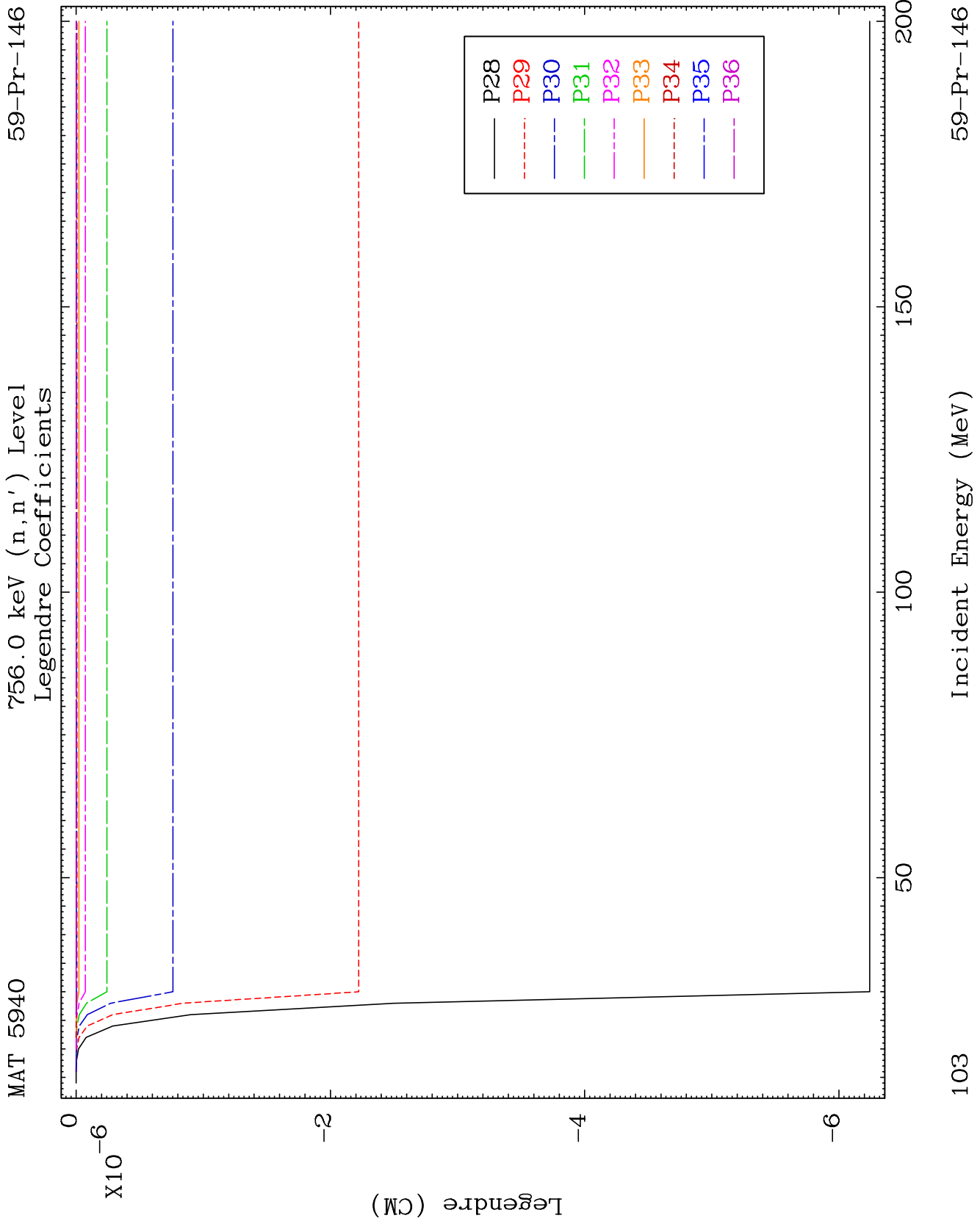
59-Pr-146



102

Incident Energy (MeV)

59-Pr-146

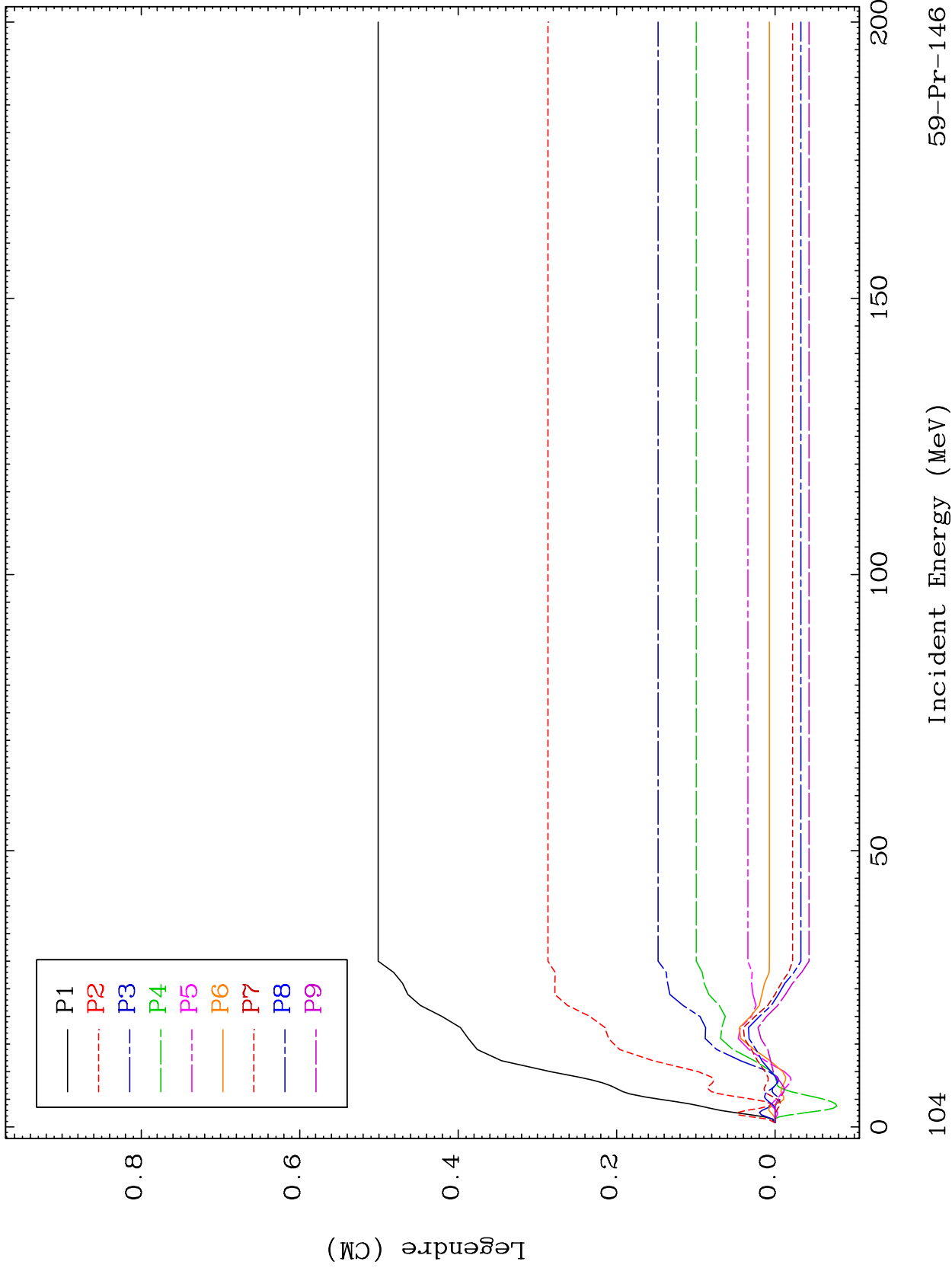




MAT 5940

762.4 keV (n,n') Level  
Legendre Coefficients

59-Pr-146

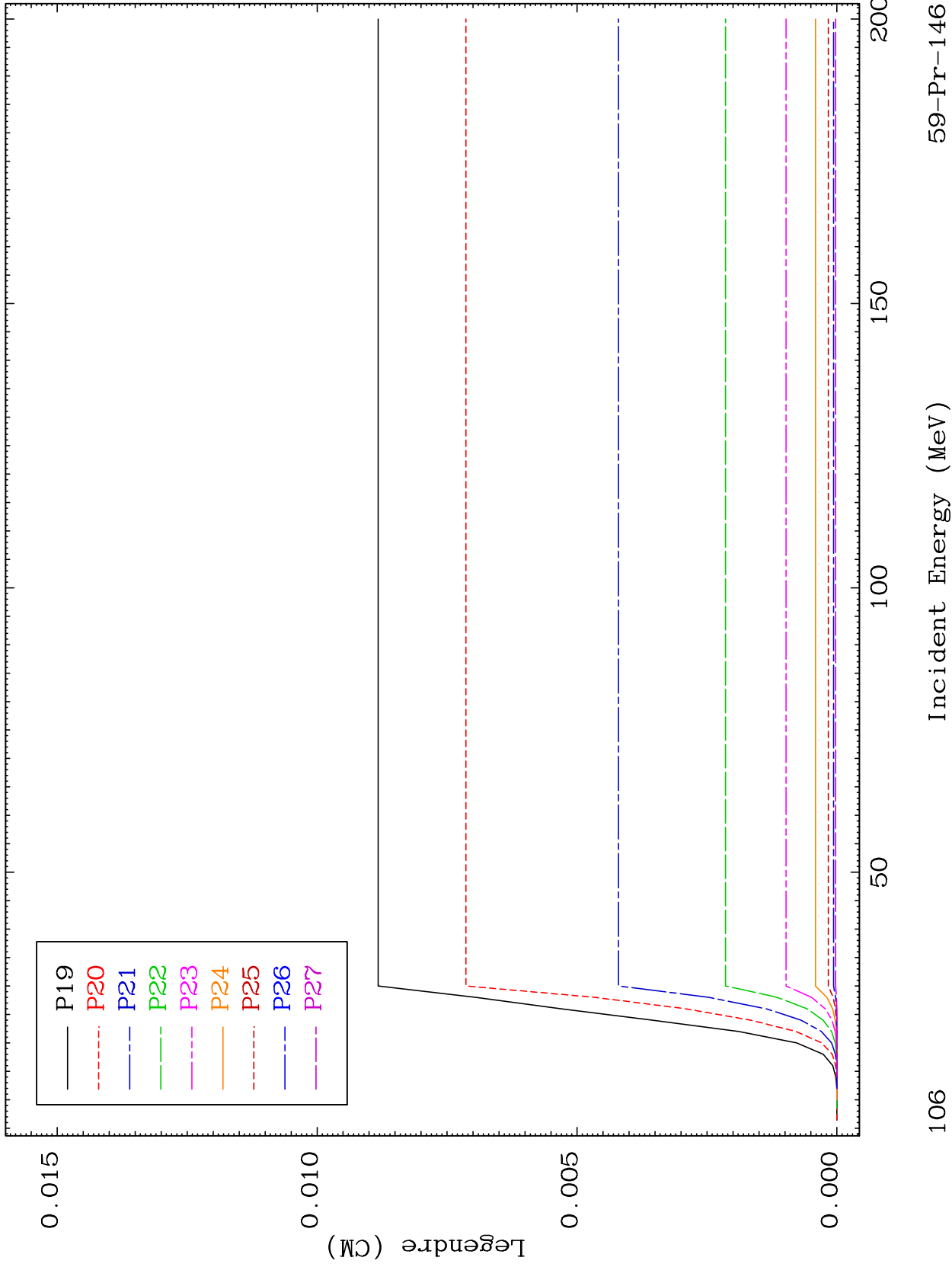


59-Pr-146

Incident Energy (MeV)

104

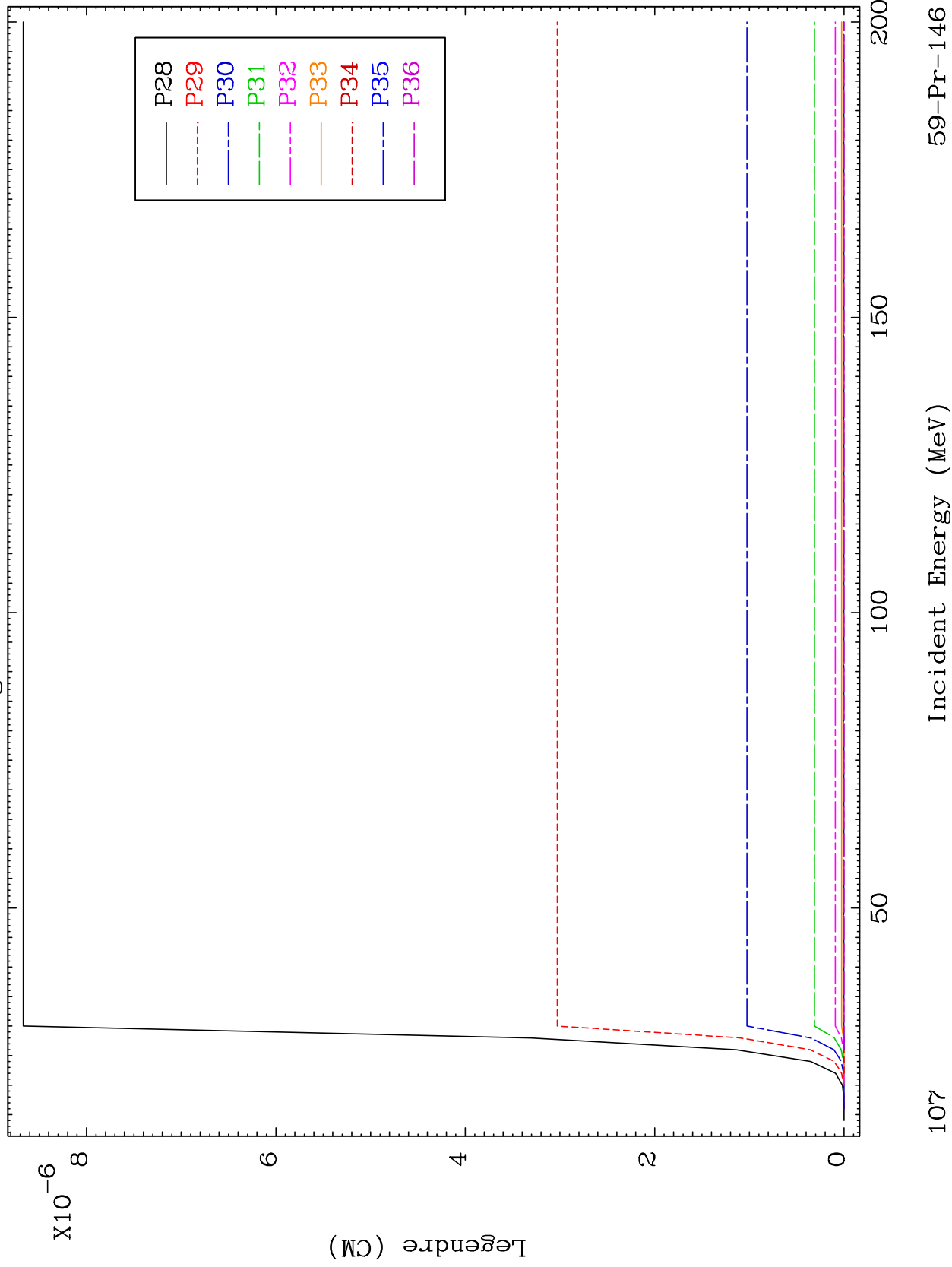




MAT 5940

762.4 keV (n, n') Level  
Legendre Coefficients

59-Pr-146



107

Incident Energy (MeV)

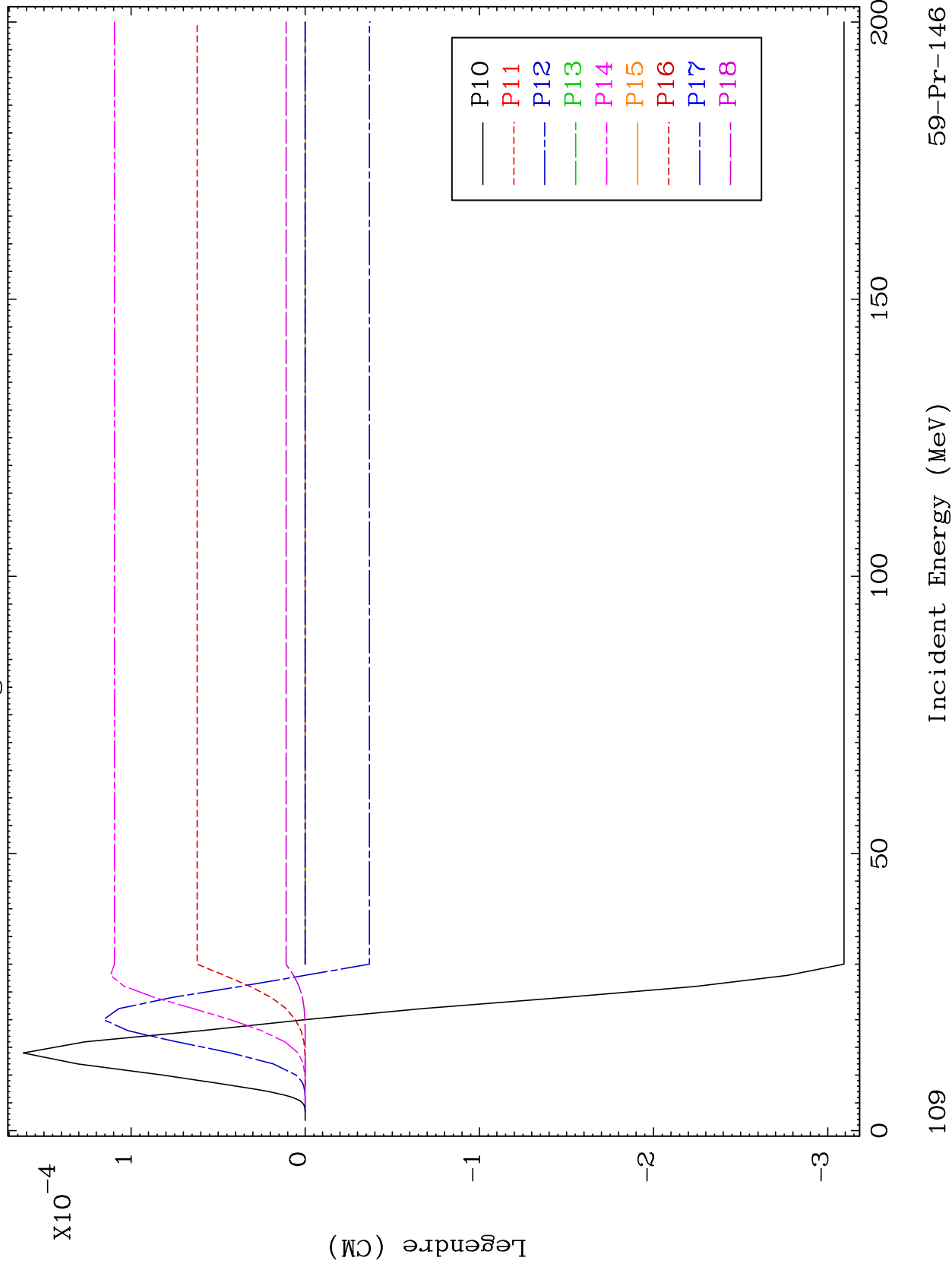
59-Pr-146



MAT 5940

767.8 keV (n,n') Level  
Legendre Coefficients

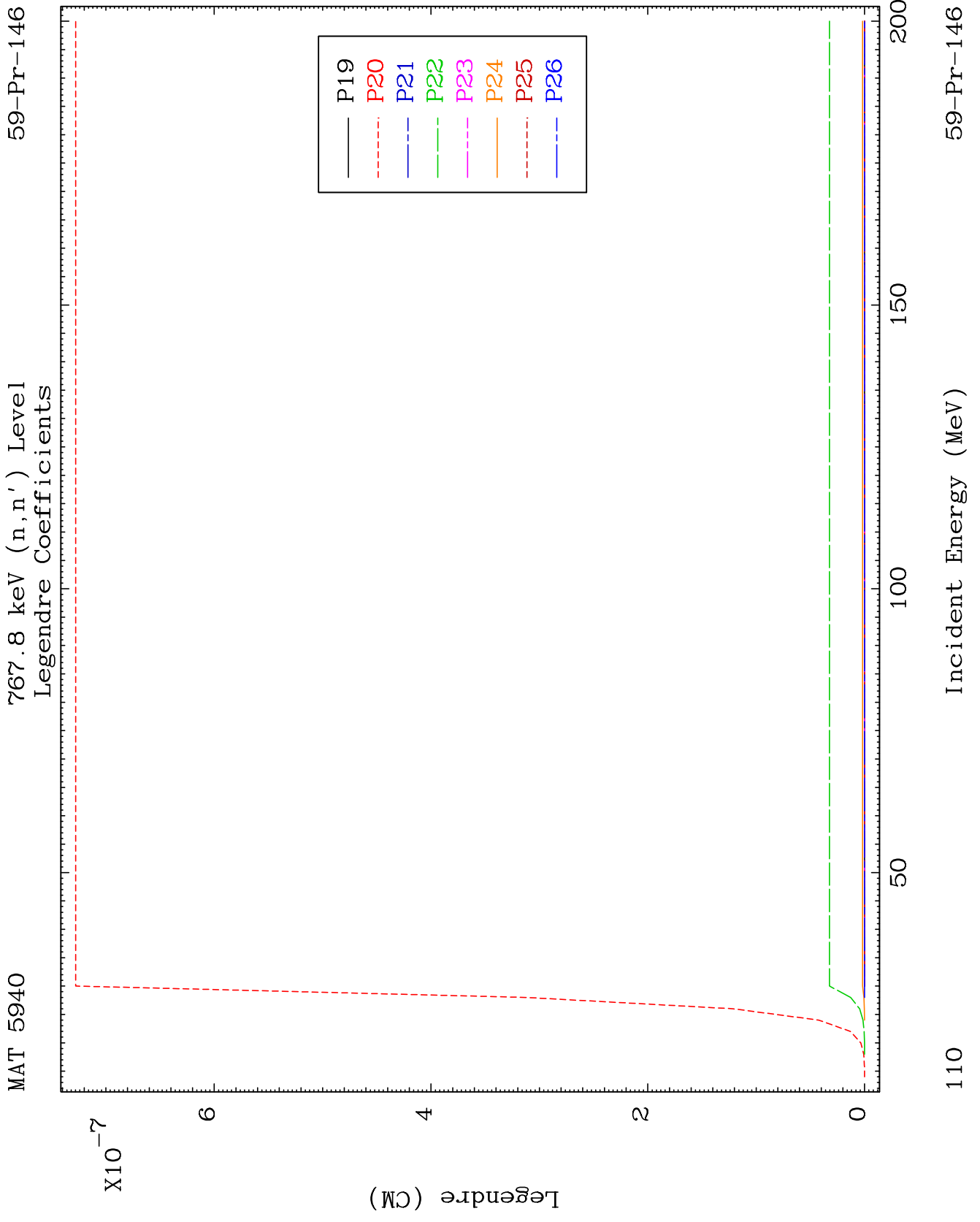
59-Pr-146



109

Incident Energy (MeV)

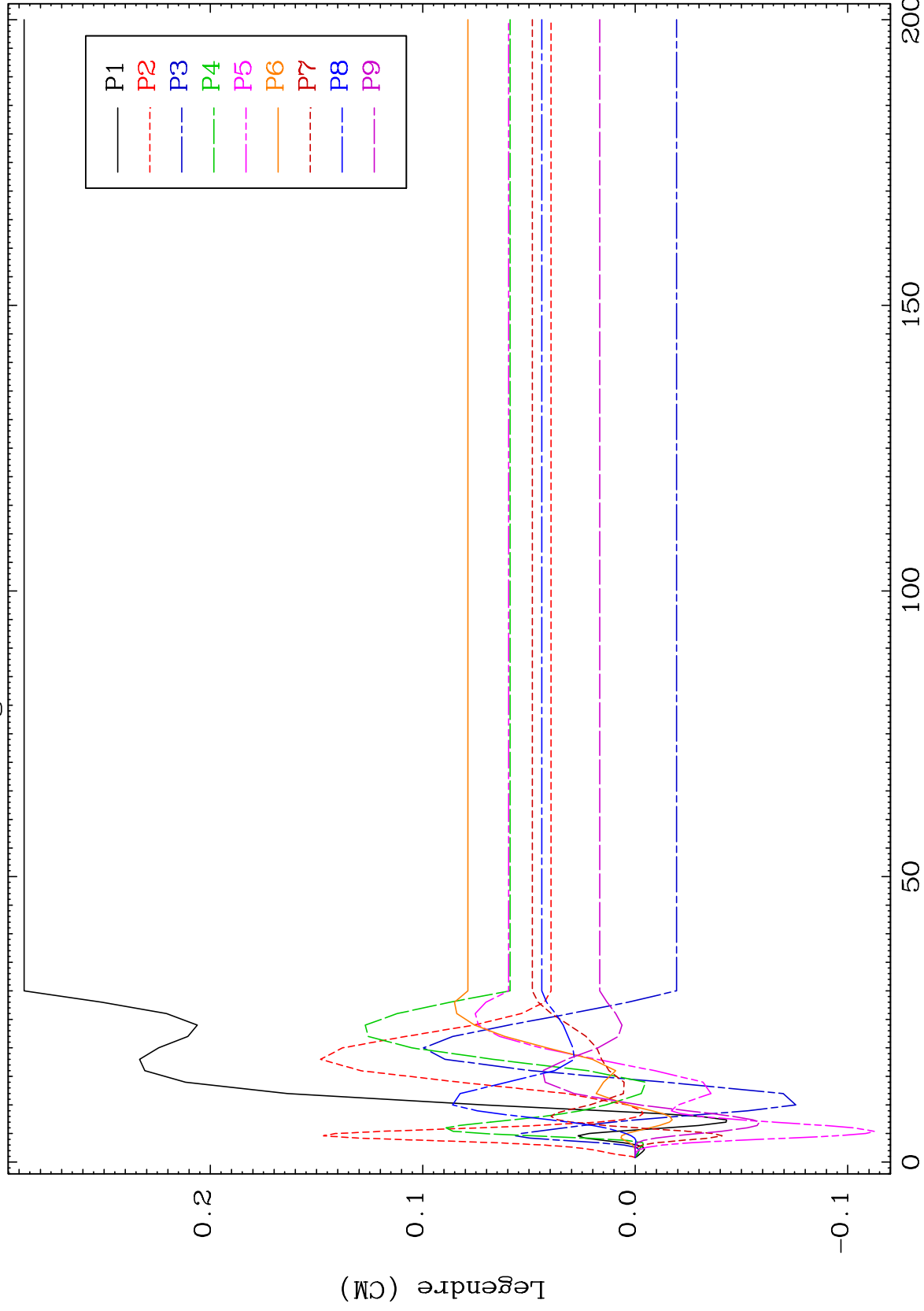
59-Pr-146



MAT 5940

769.9 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



59-Pr-146

Incident Energy (MeV)

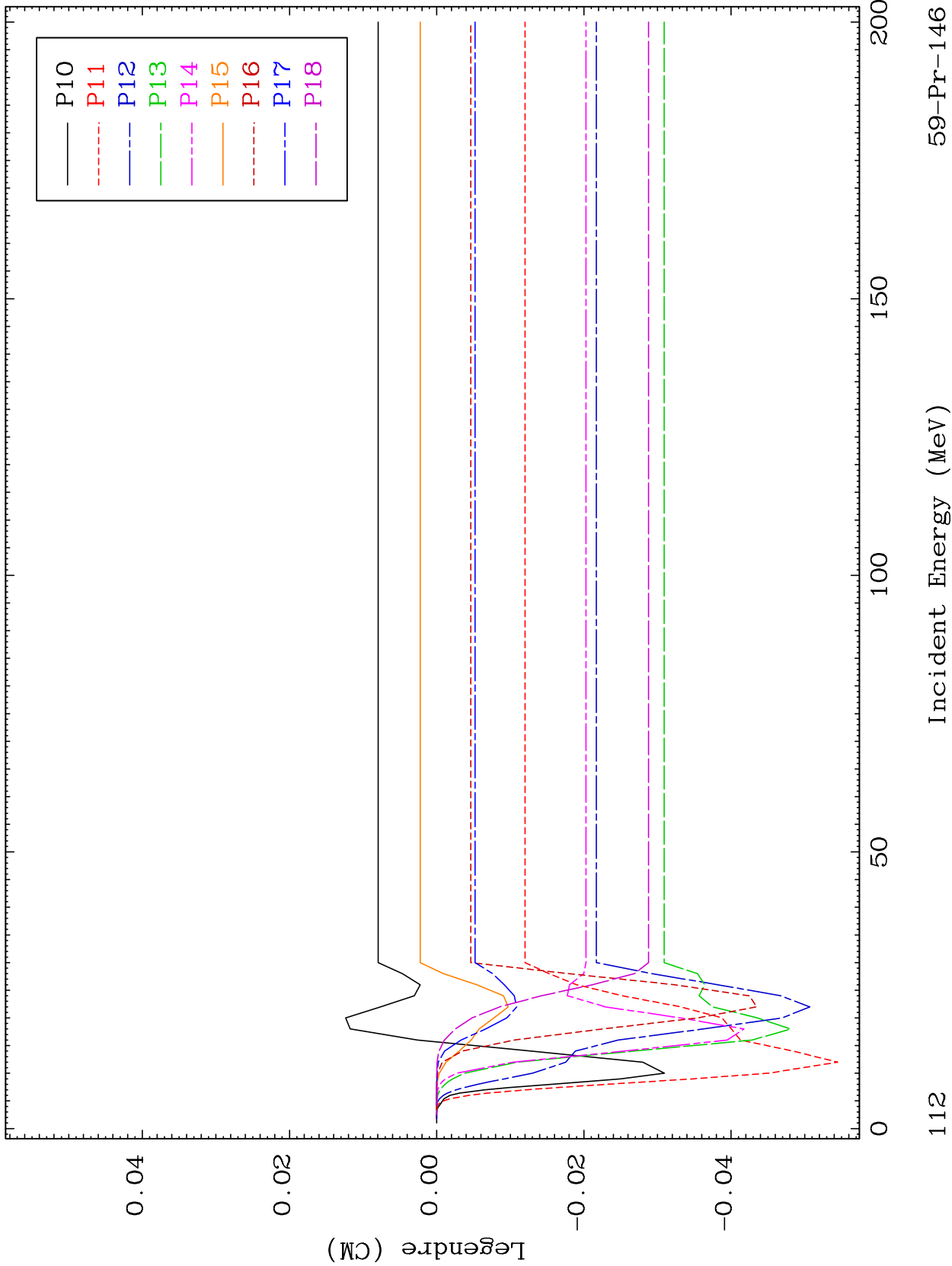
111



MAT 5940

769.9 keV (n,n') Level  
Legendre Coefficients

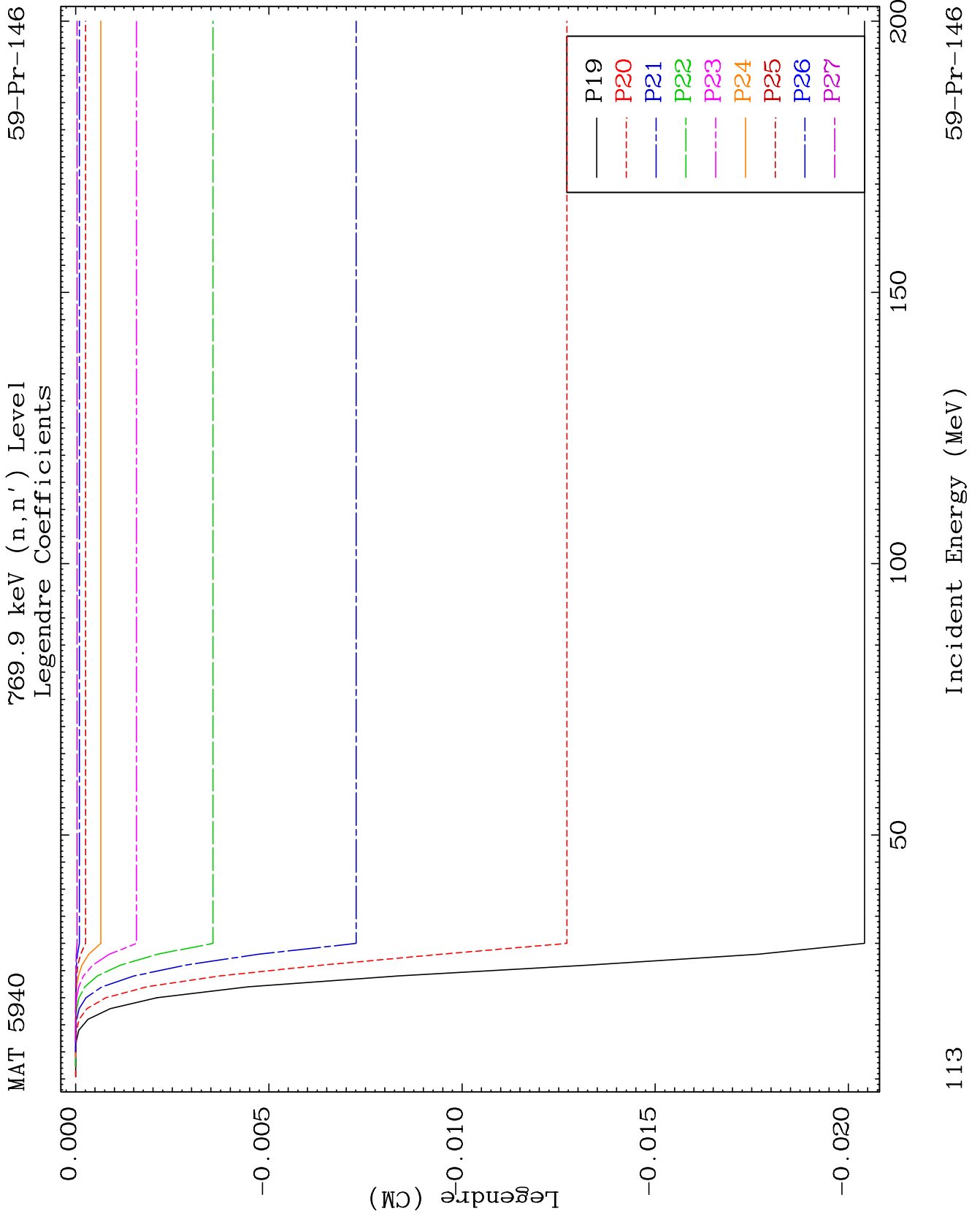
59-Pr-146

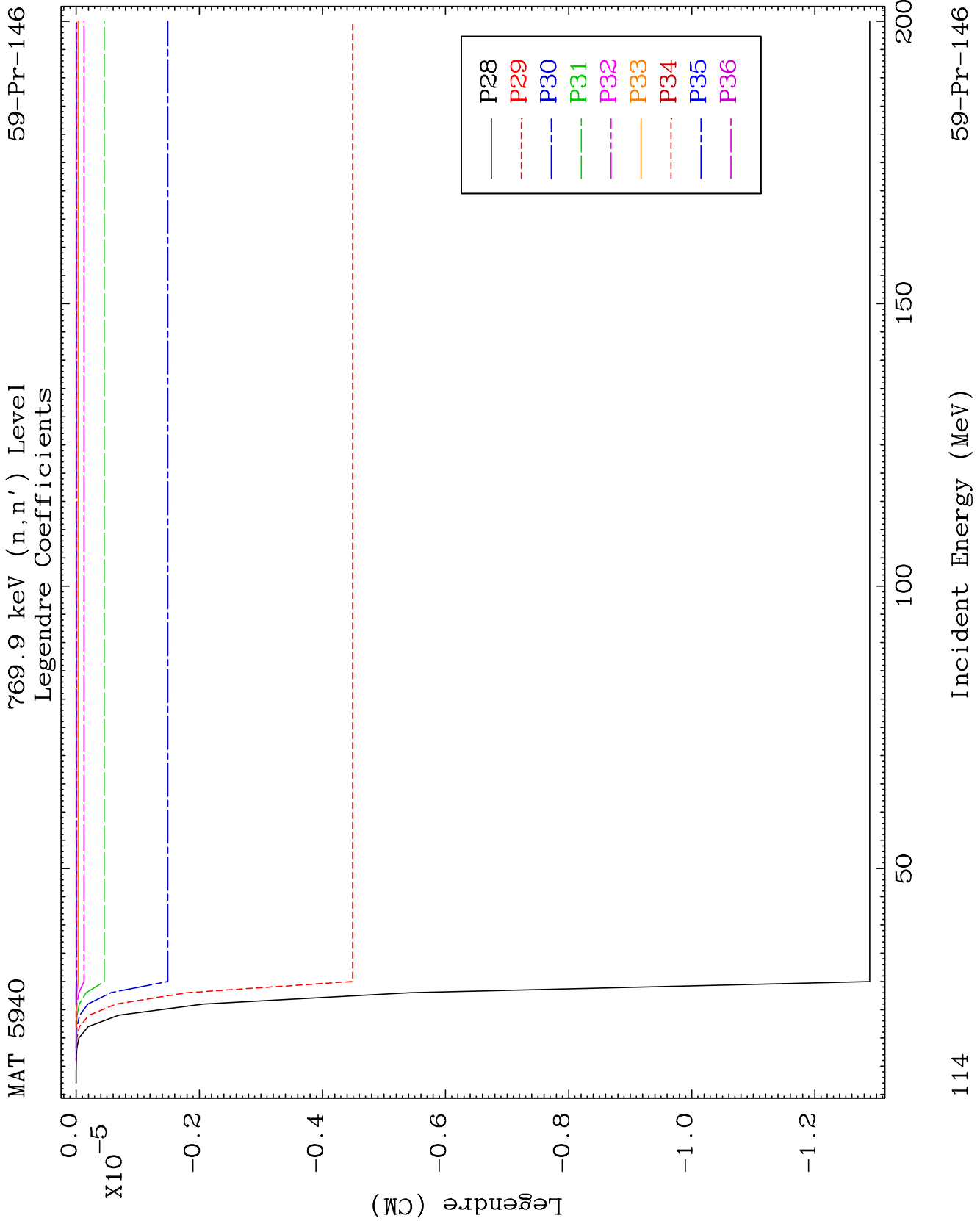


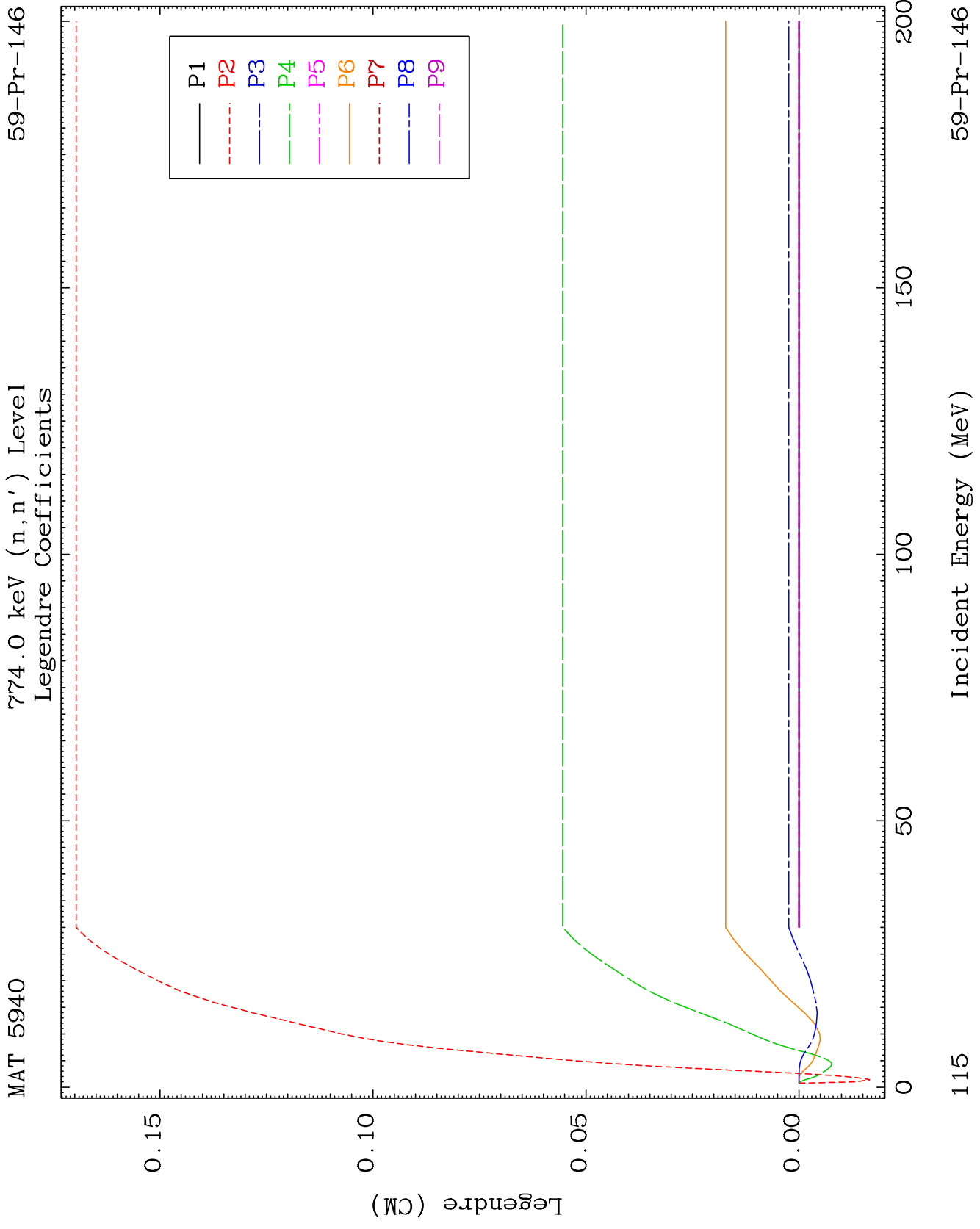
59-Pr-146

Incident Energy (MeV)

112



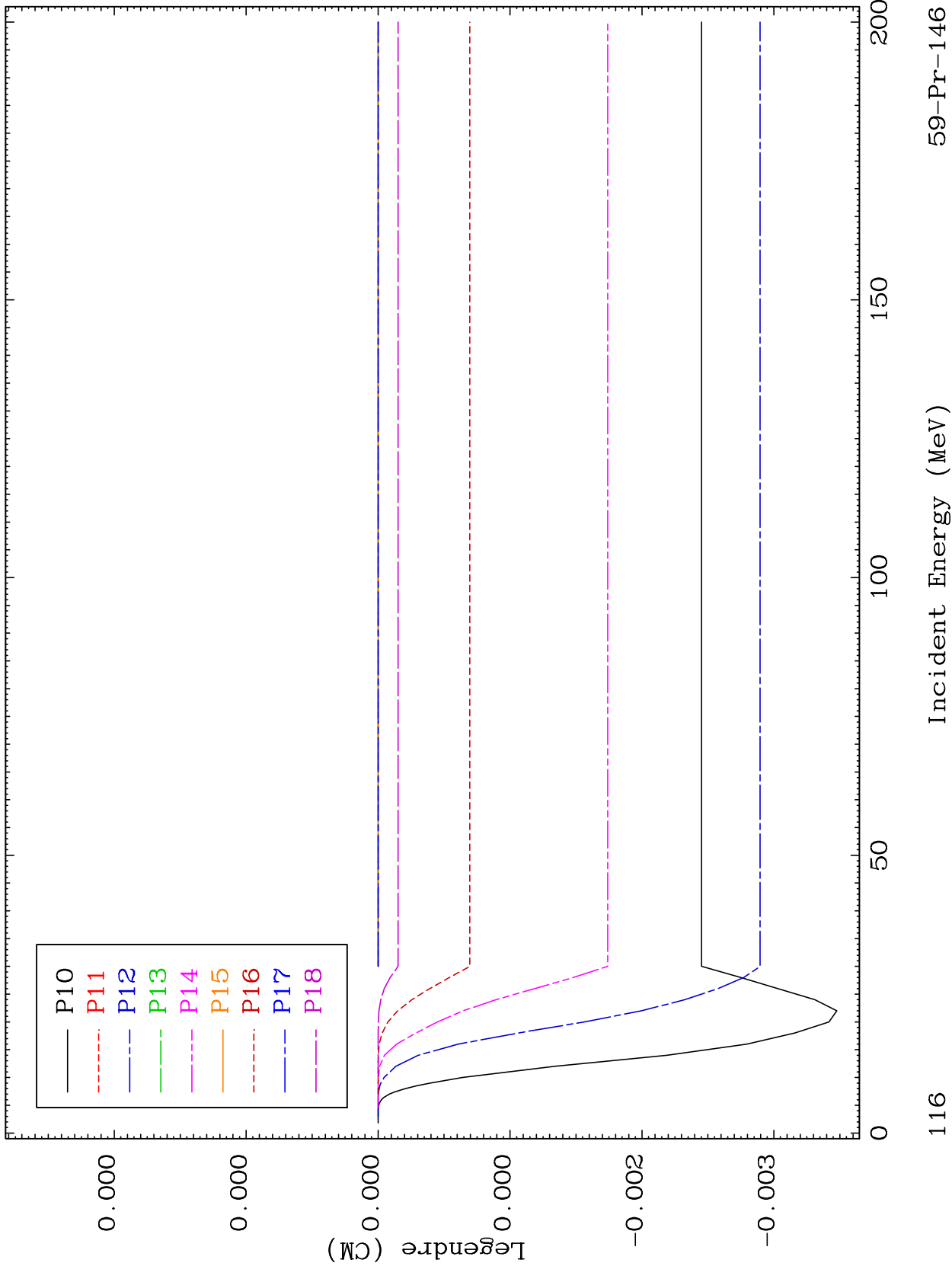




MAT 5940

774.0 keV (n,n') Level  
Legendre Coefficients

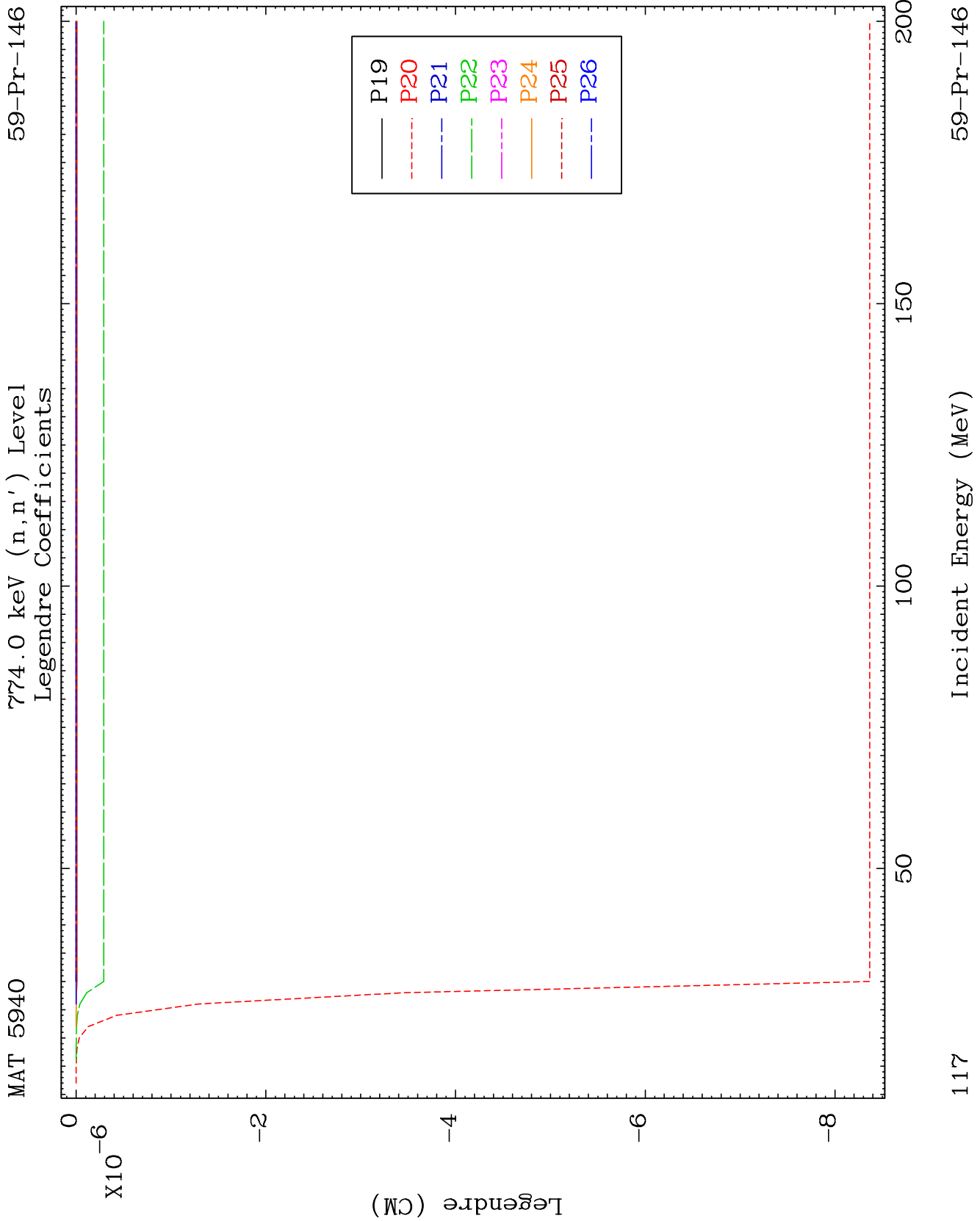
59-Pr-146



116

Incident Energy (MeV)

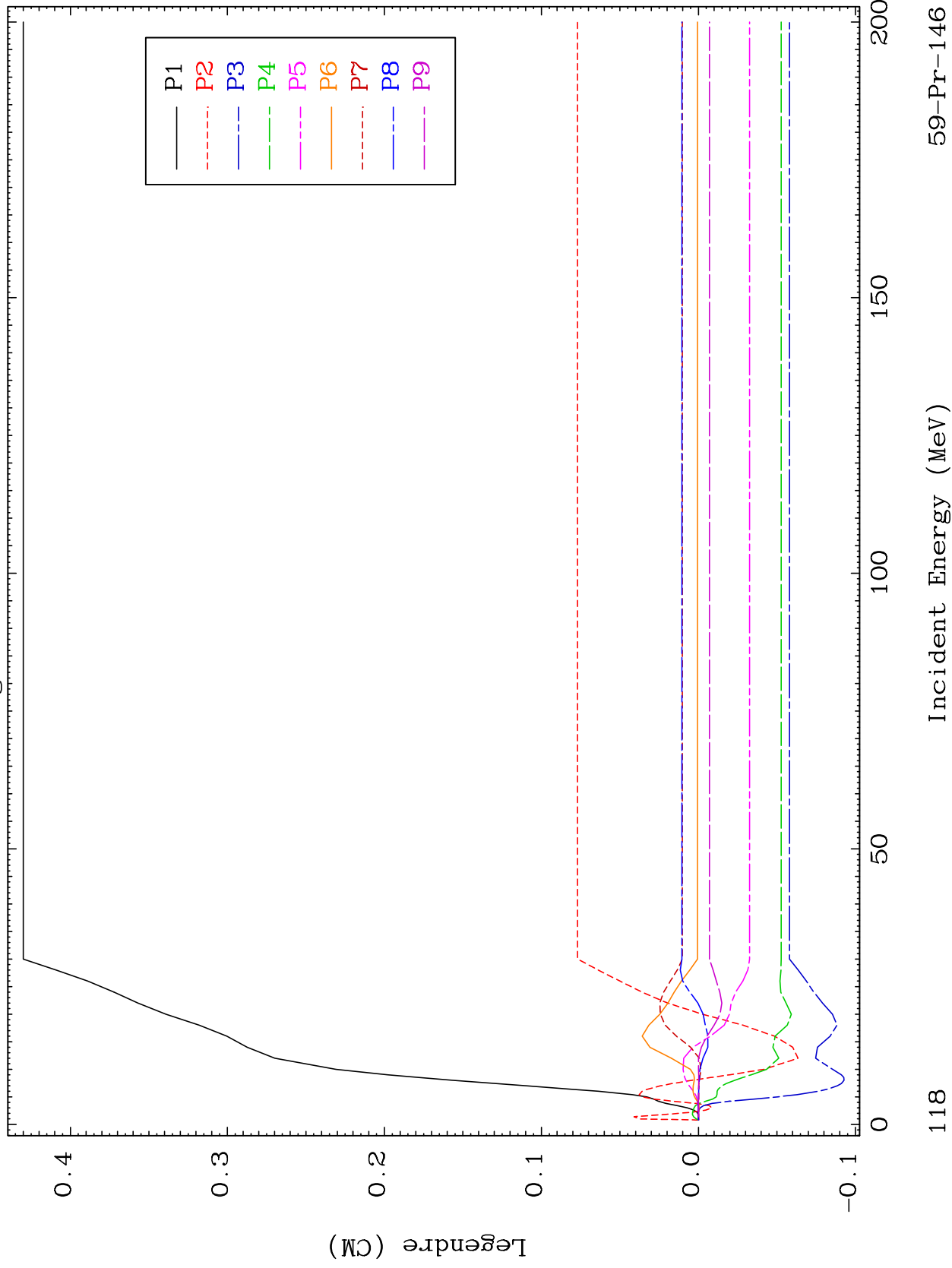
59-Pr-146



MAT 5940

777.5 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



59-Pr-146

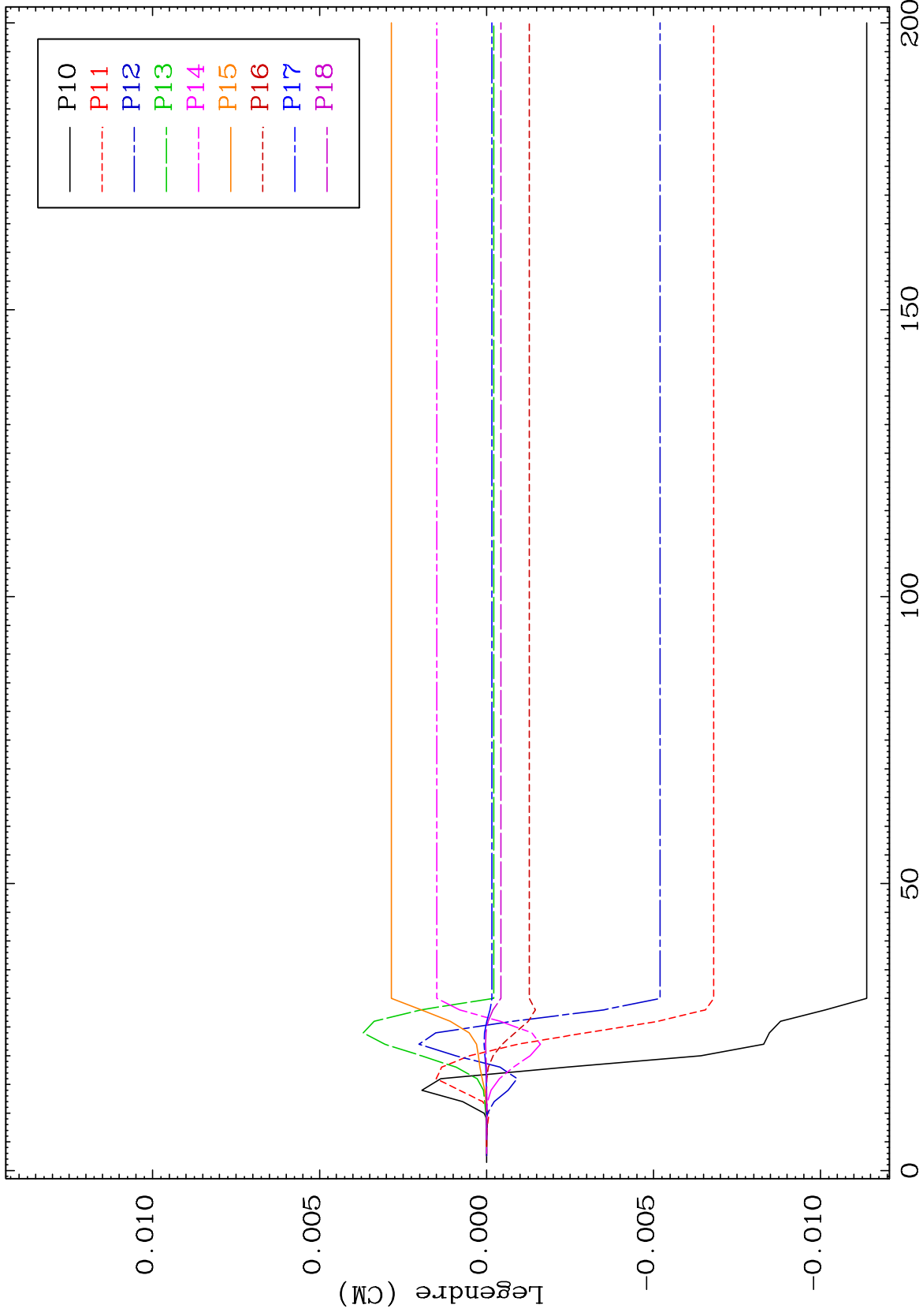
Incident Energy (MeV)

118

MAT 5940

777.5 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



119

Incident Energy (MeV)

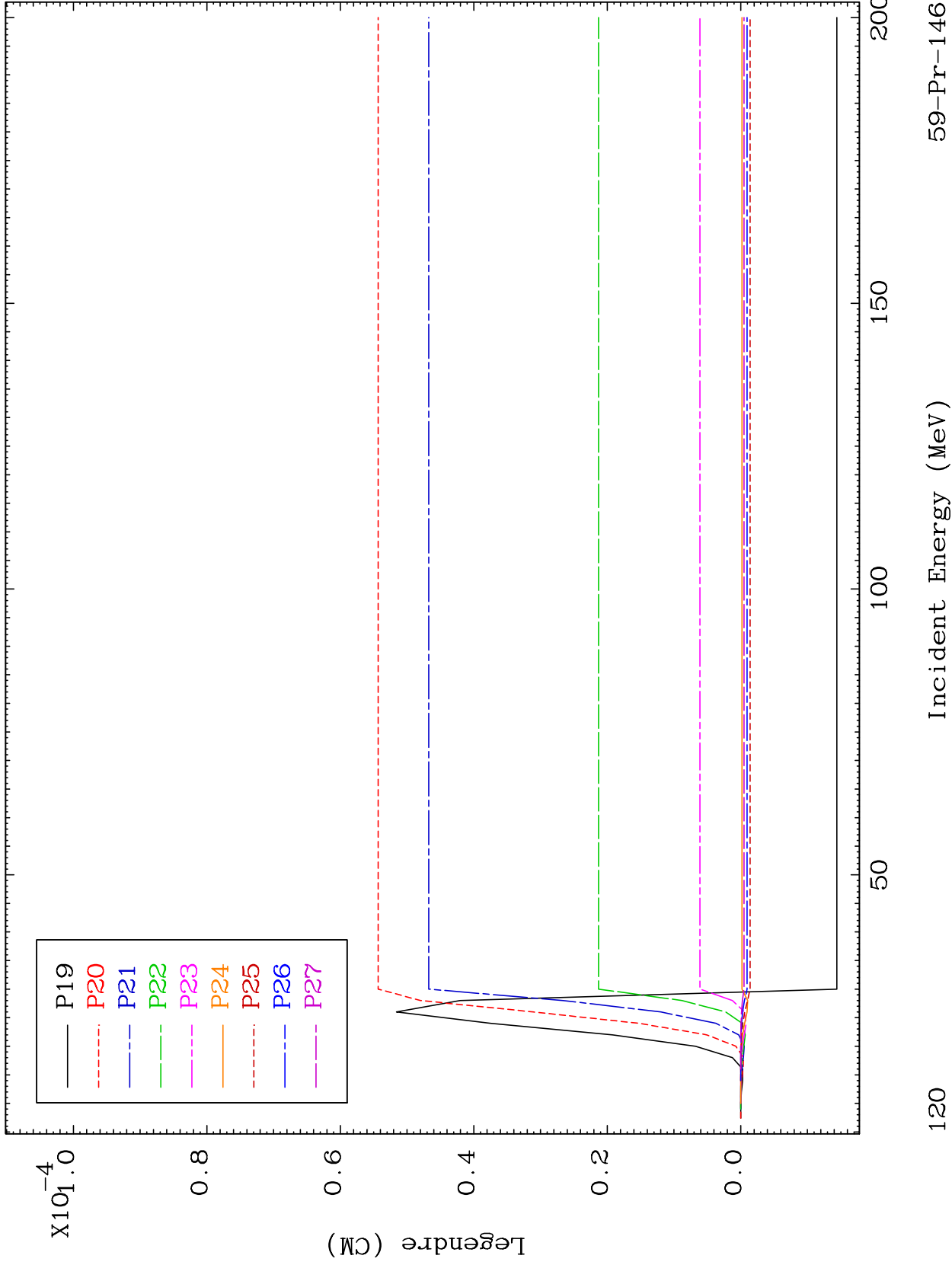
59-Pr-146



MAT 5940

777.5 keV (n,n') Level  
Legendre Coefficients

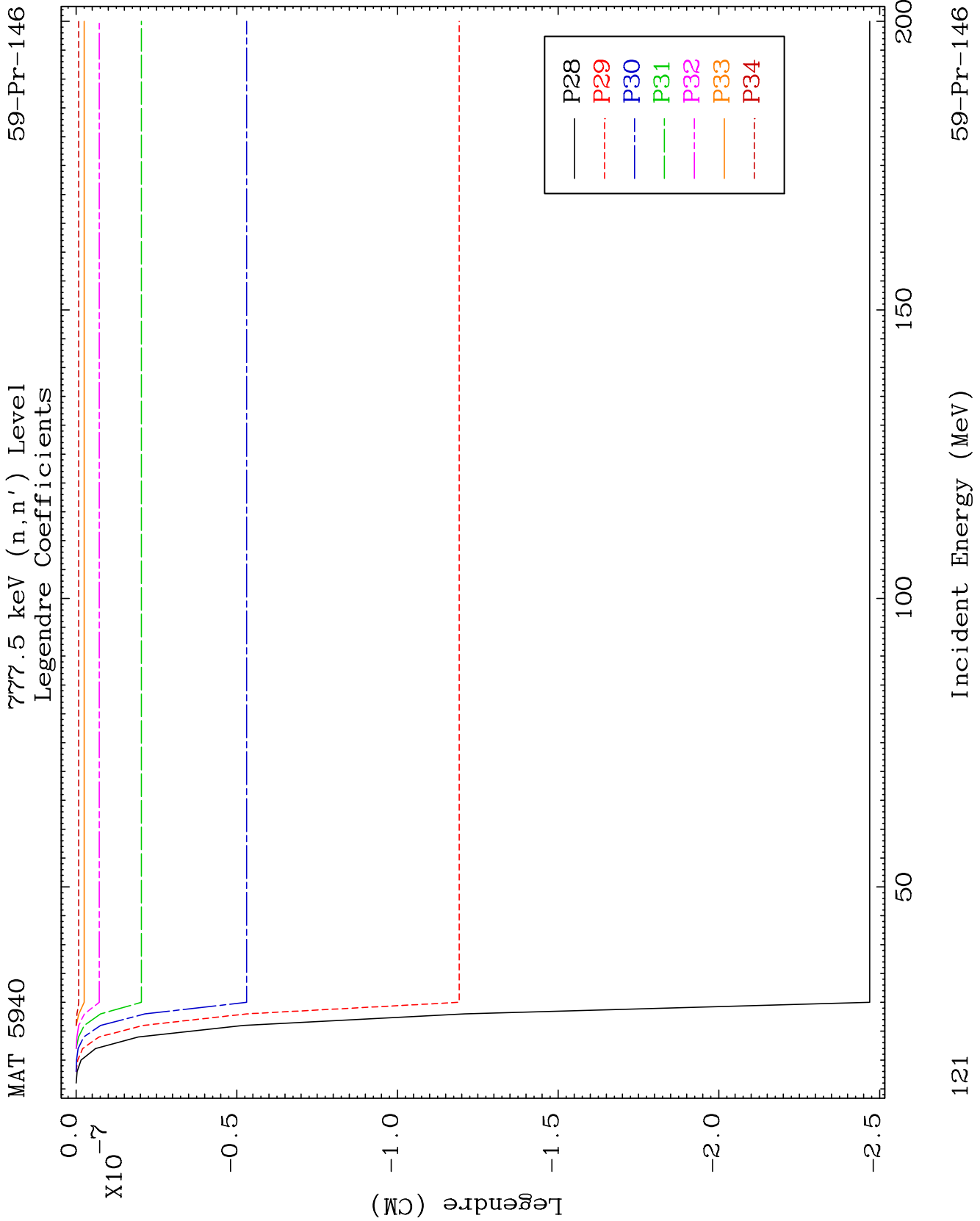
59-Pr-146



120

Incident Energy (MeV)

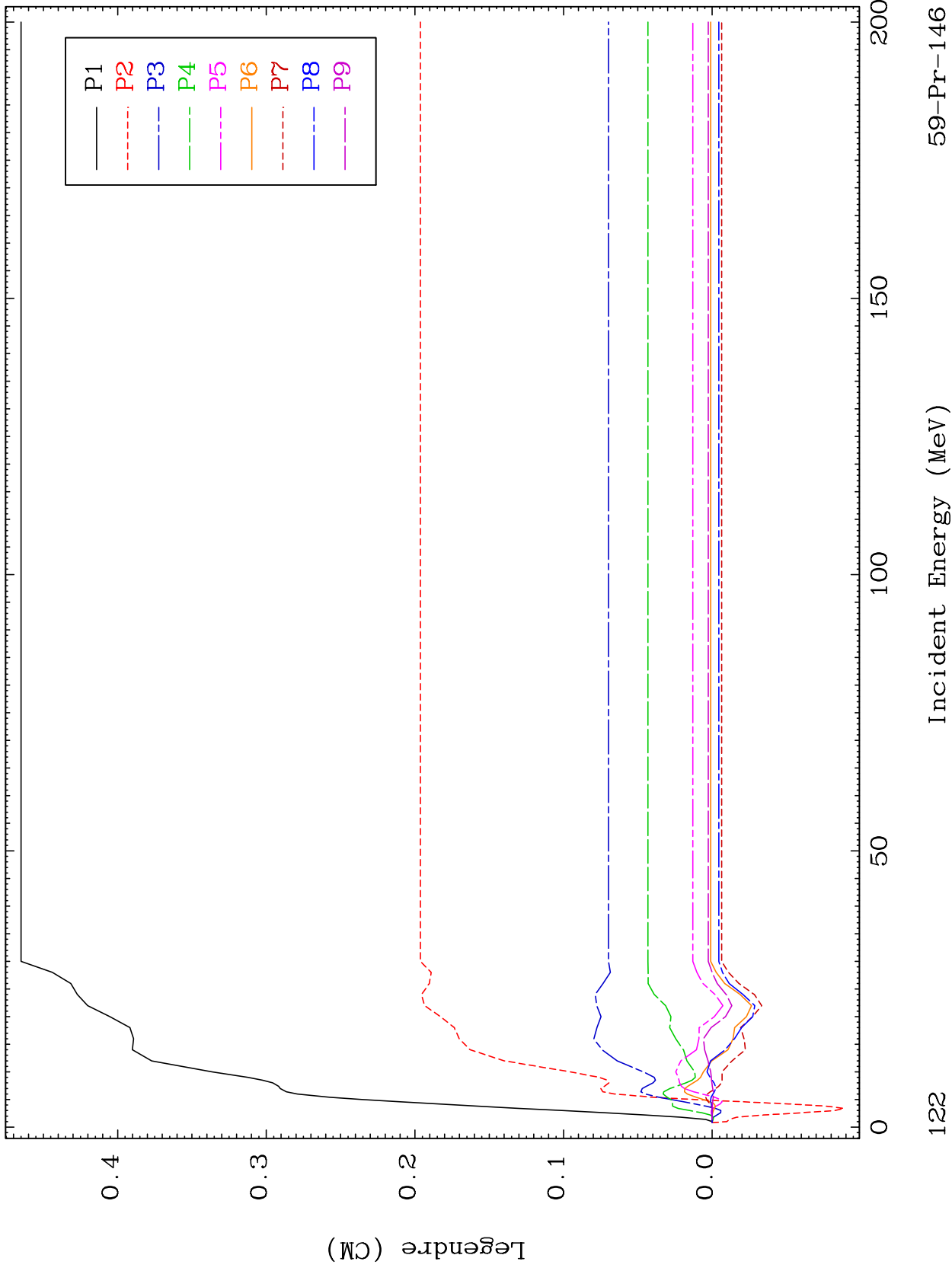
59-Pr-146



MAT 5940

792.8 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



59-Pr-146

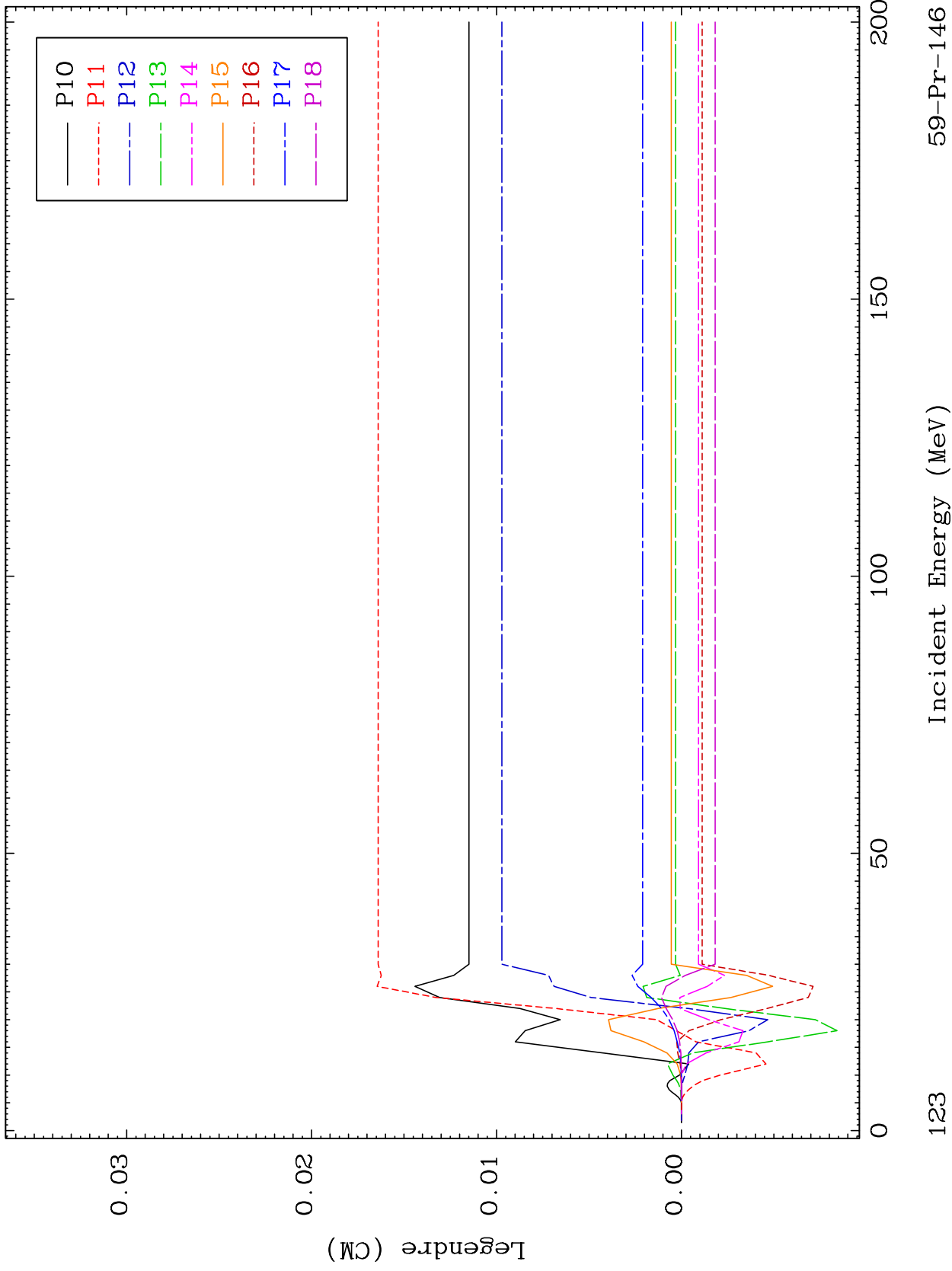
Incident Energy (MeV)

122

MAT 5940

792.8 keV (n,n') Level  
Legendre Coefficients

59-Pr-146



59-Pr-146

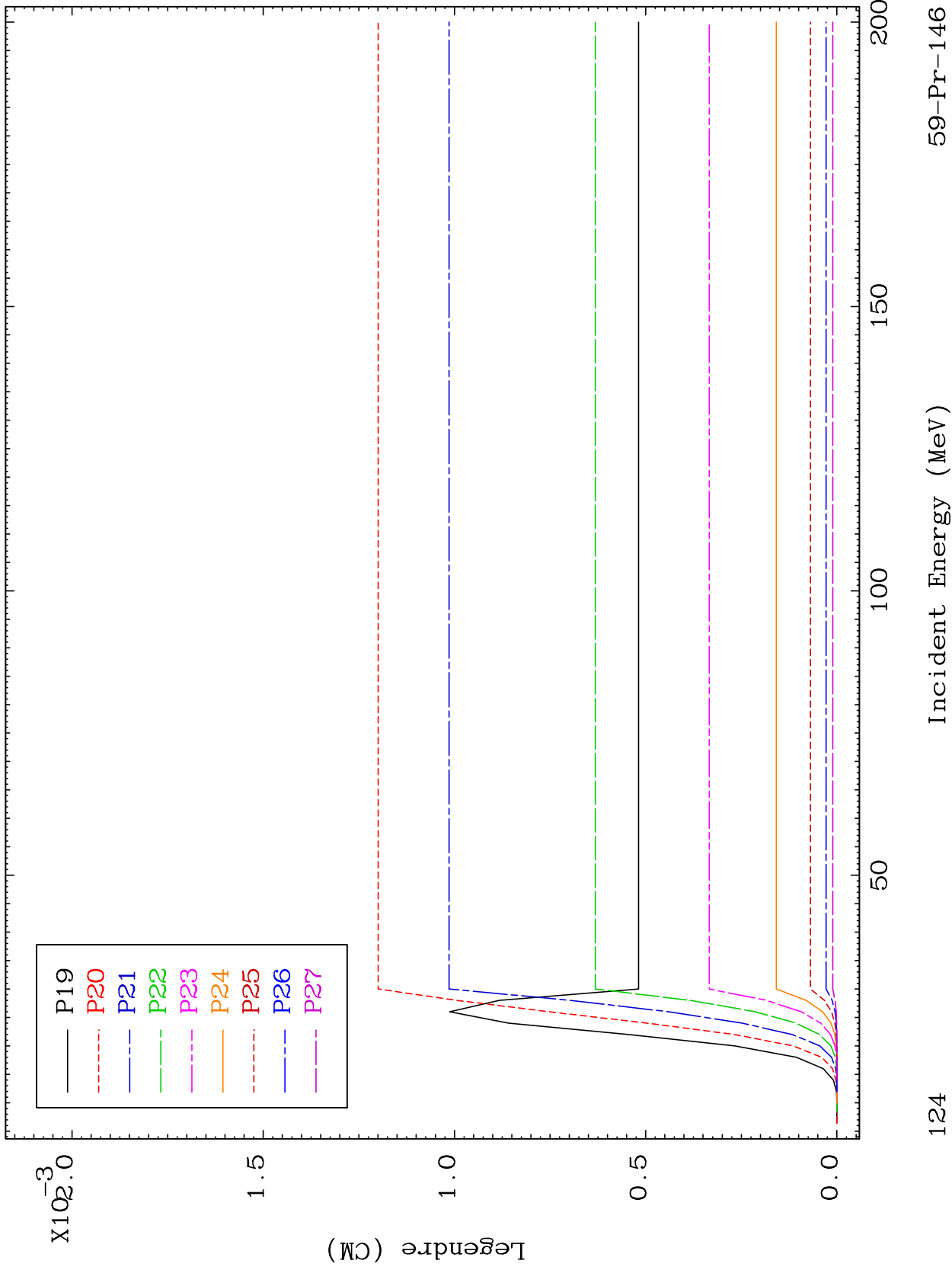
Incident Energy (MeV)

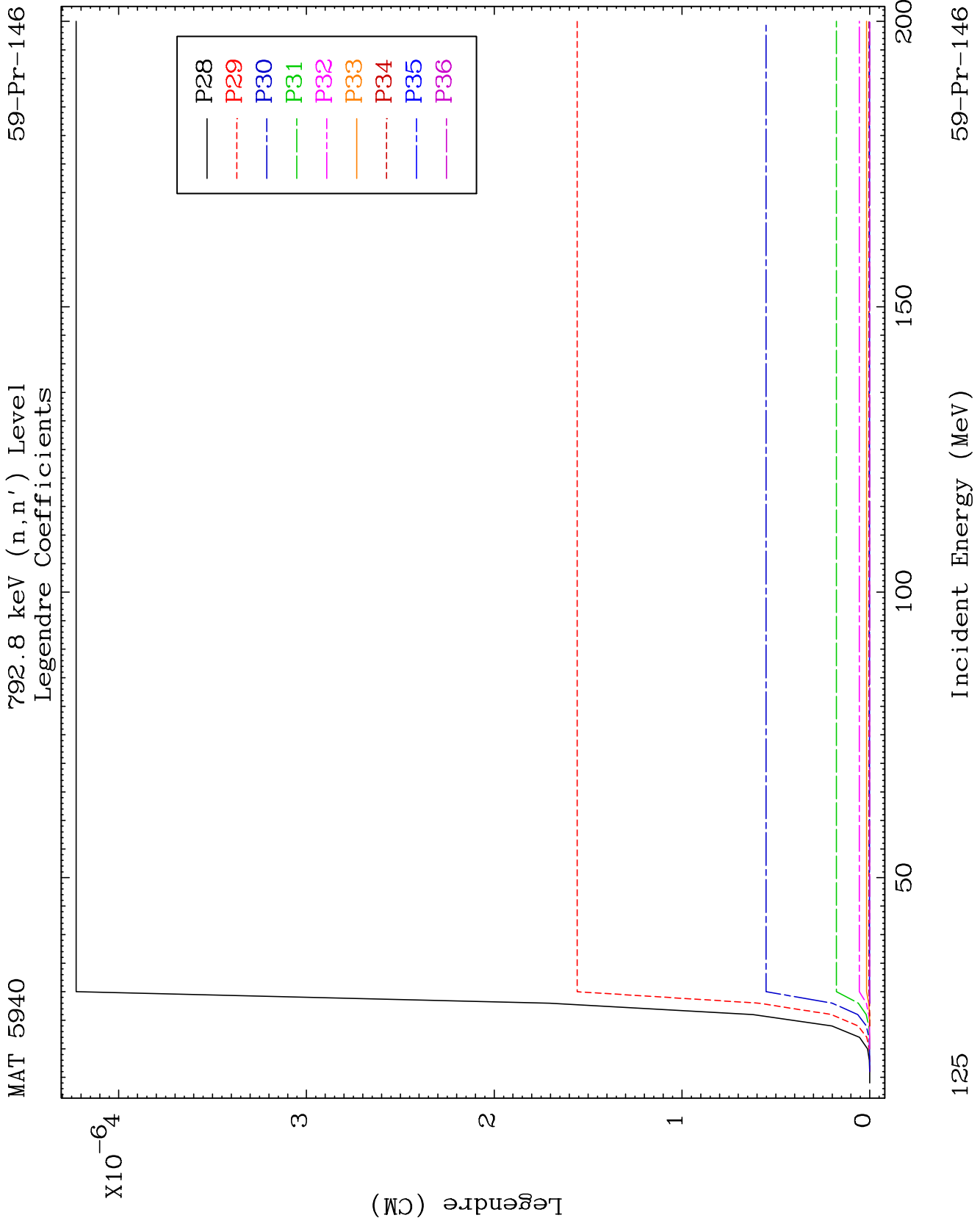
123

MAT 5940

792.8 keV (n, n') Level  
Legendre Coefficients

59-Pr-146

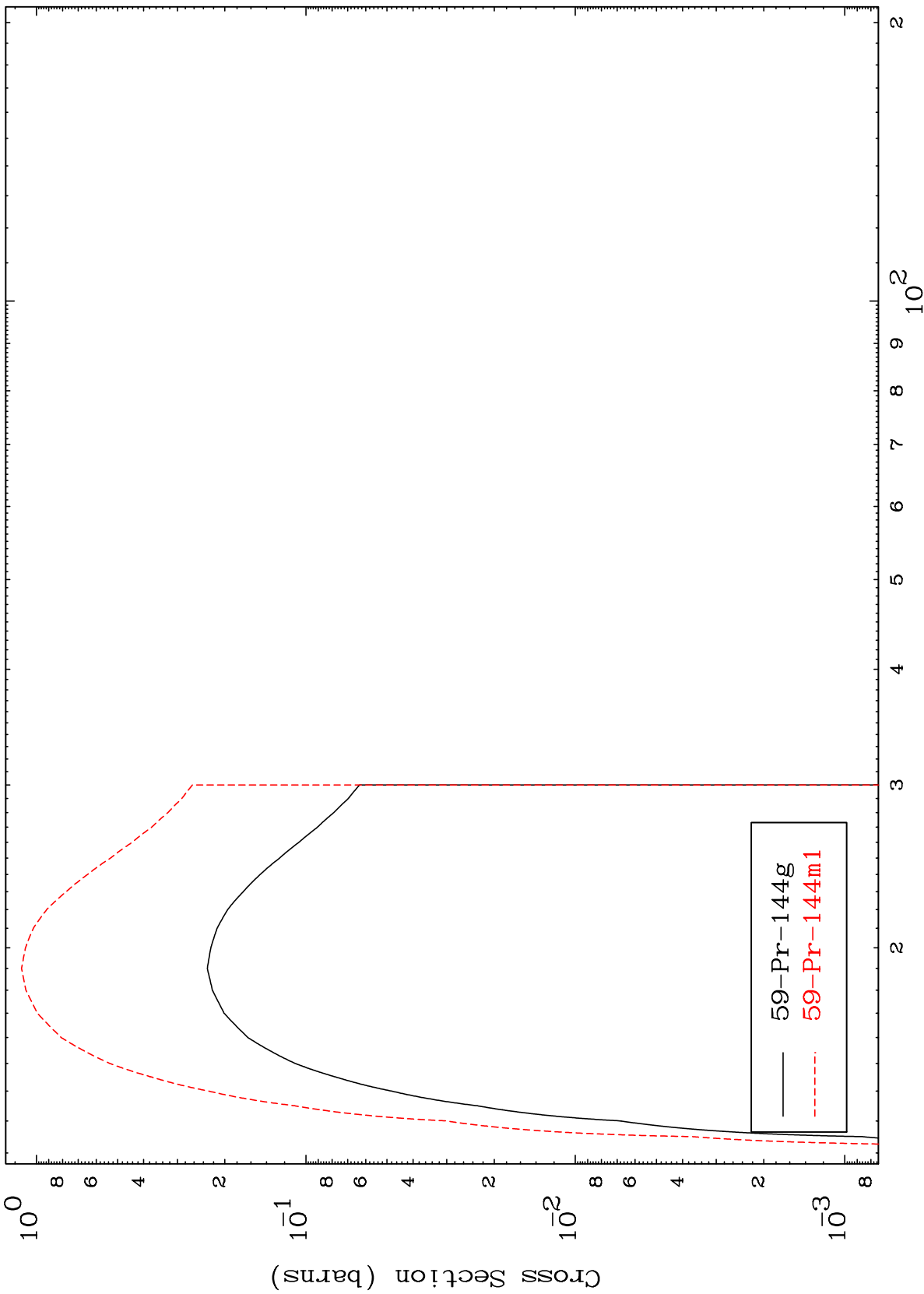




MAT 5940

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(n,3n)  
Radionuclide Production Cross Section



126

Incident Energy (MeV)

59-Pr-146

MAT 5940

(n,n') 2α

59-Pr-146

Radionuclide Production Cross Section

