

Program EVALPLOT  
(Version 2015-2)

by

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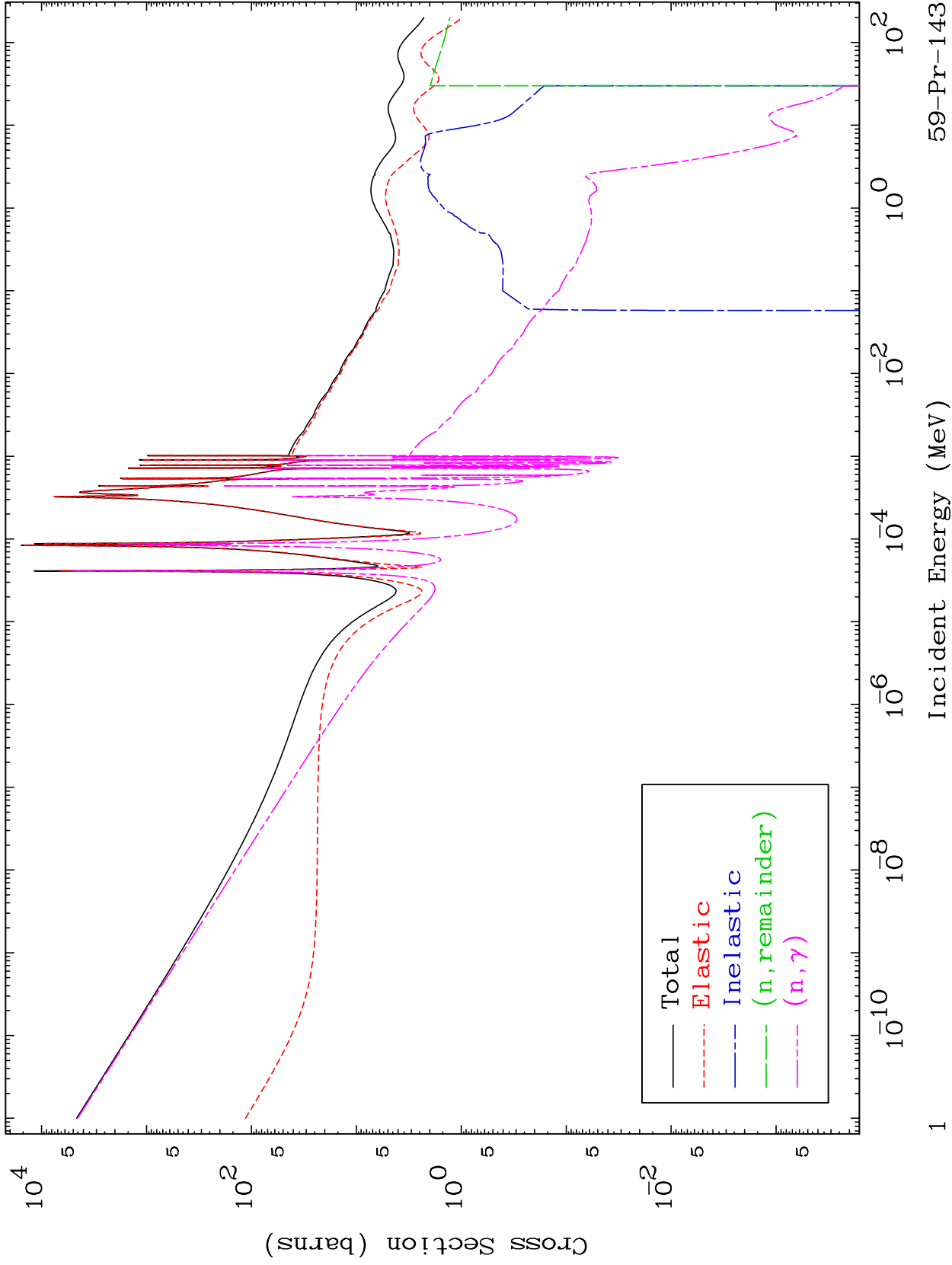
Press Mouse Button to Start

MAT 5931

Major

293 Kelvin Cross Sections

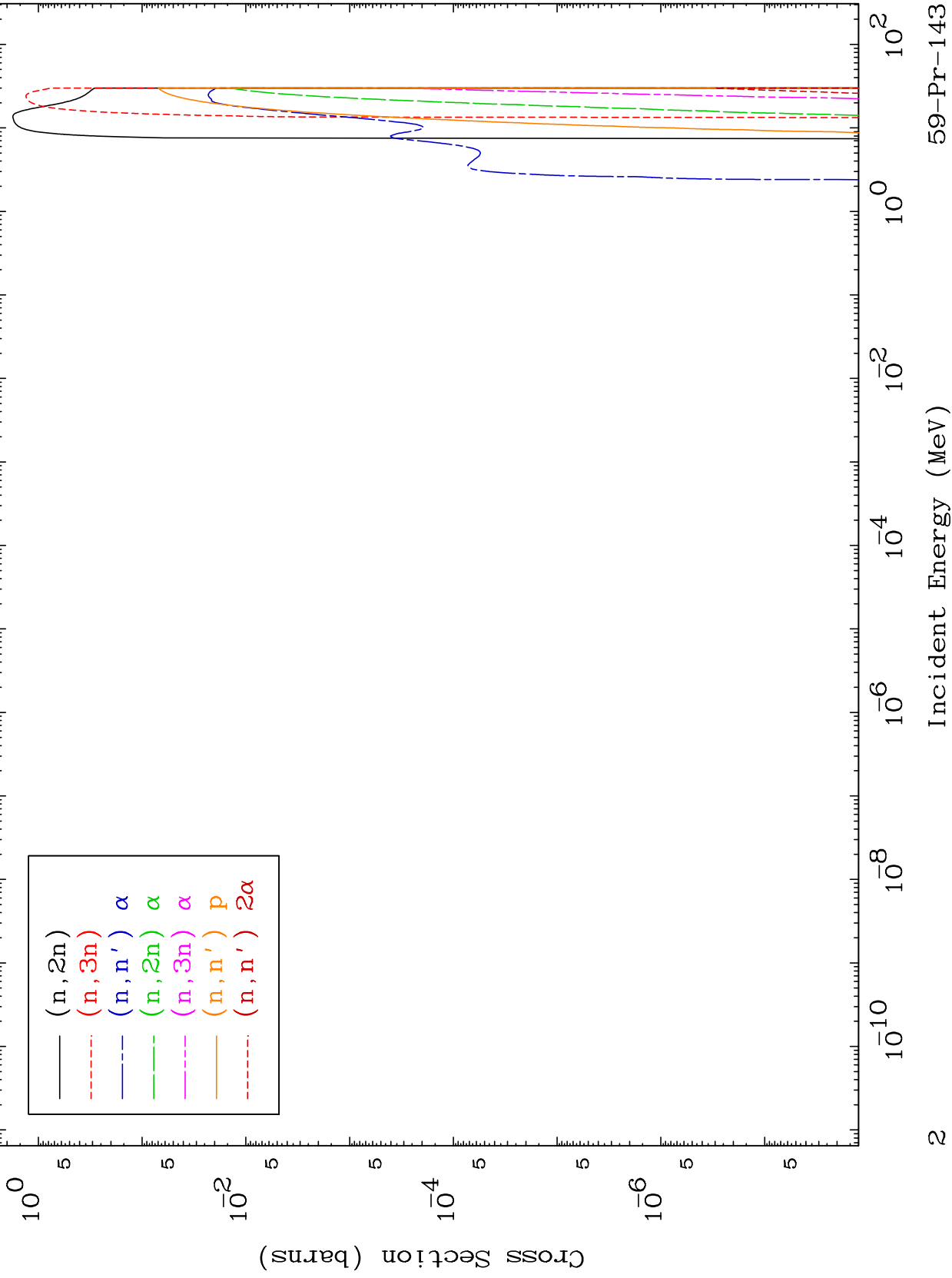
59-Pr-143

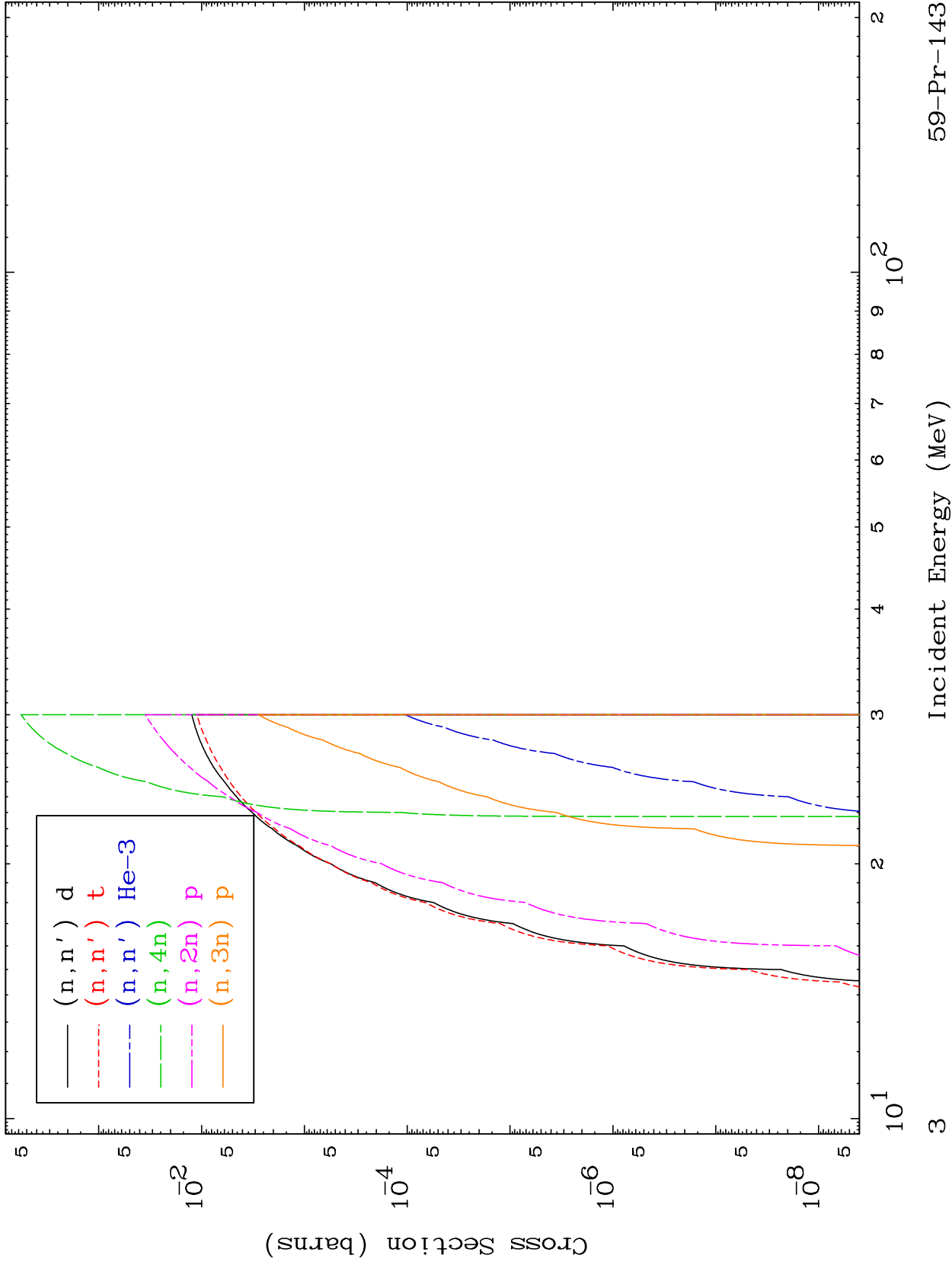


MAT 5931

Neutron Production  
293 Kelvin Cross Sections

59-Pr-143

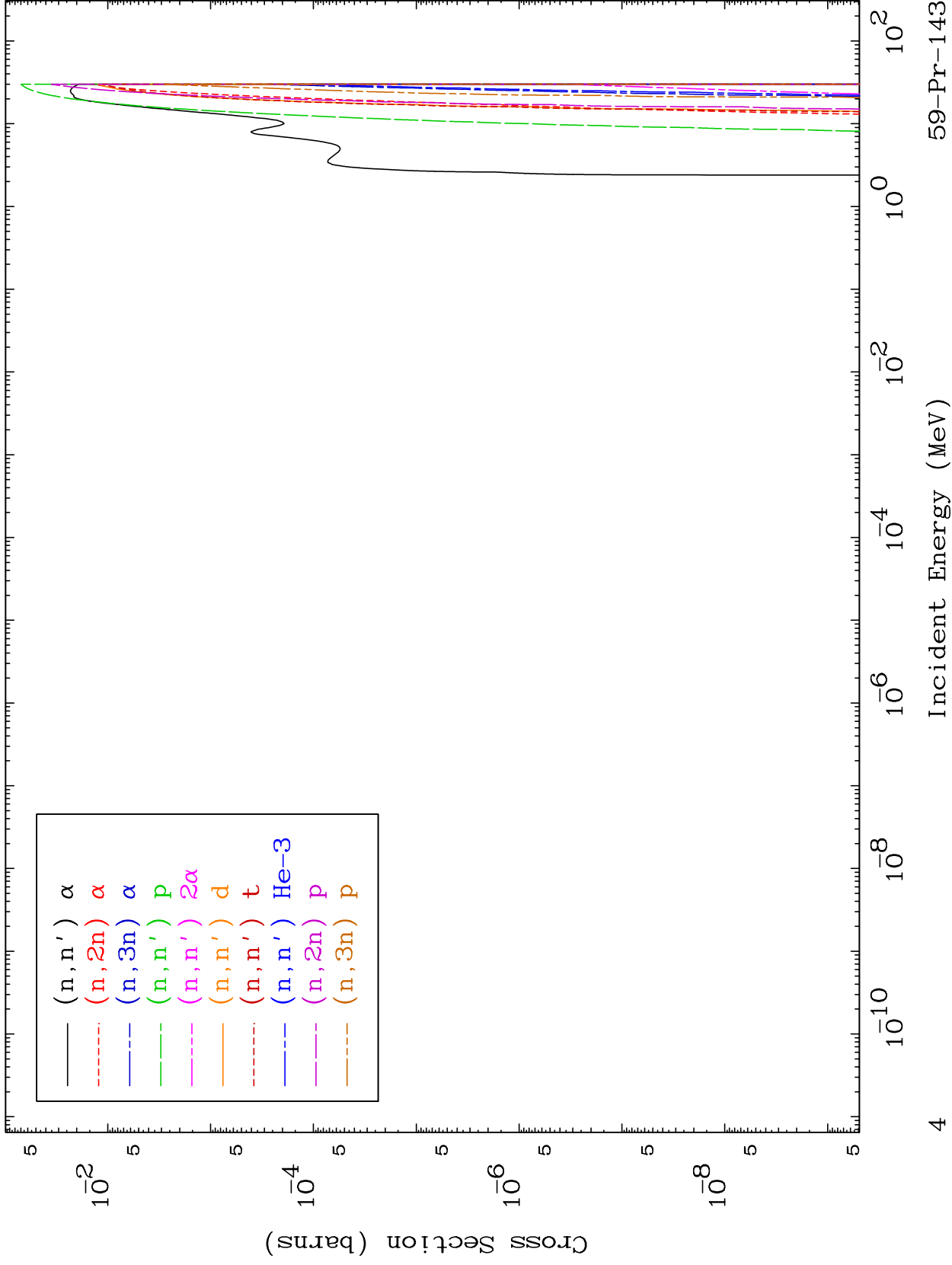




MAT 5931

Charged Particle  
293 Kelvin Cross Sections

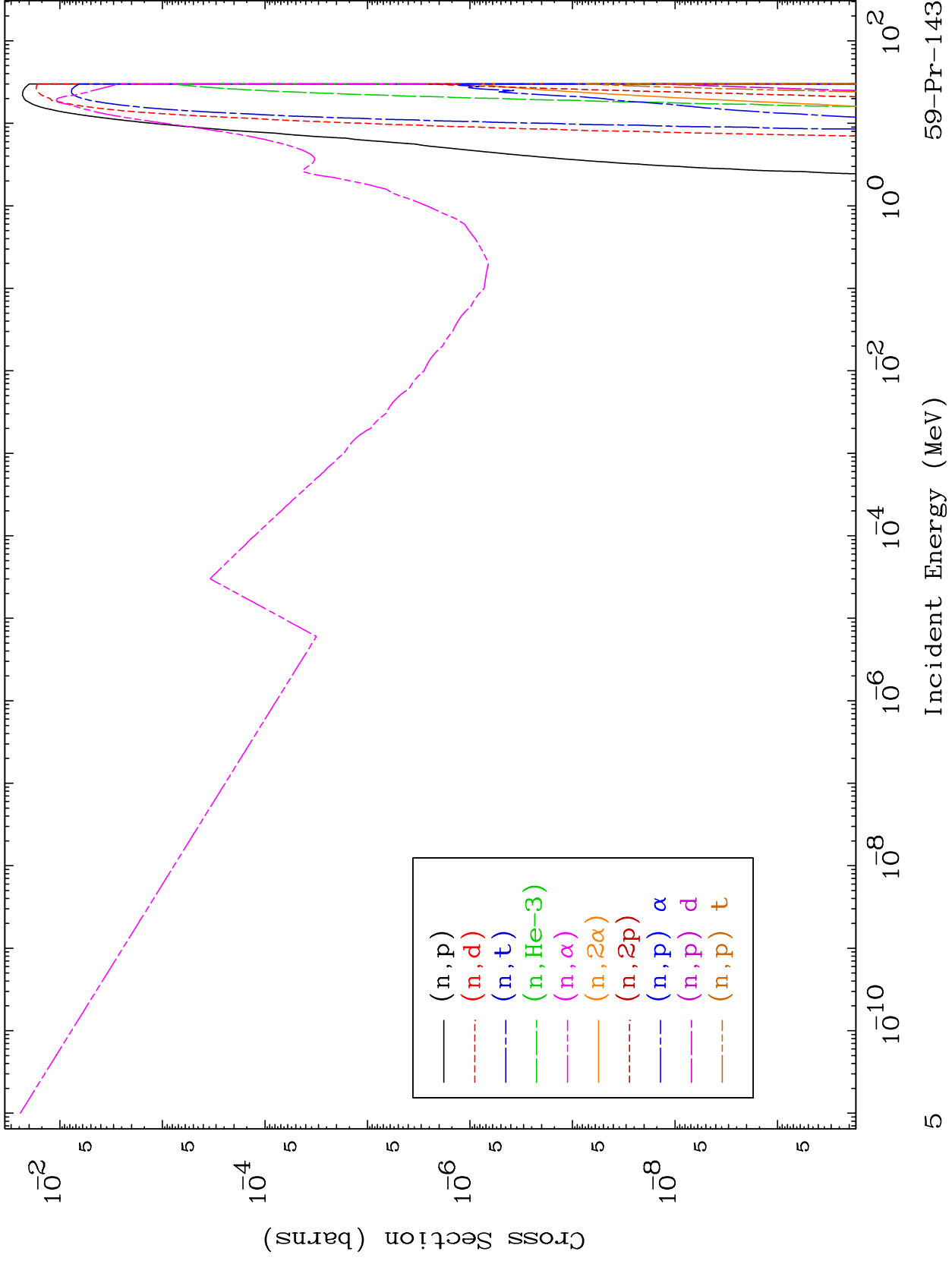
59-Pr-143

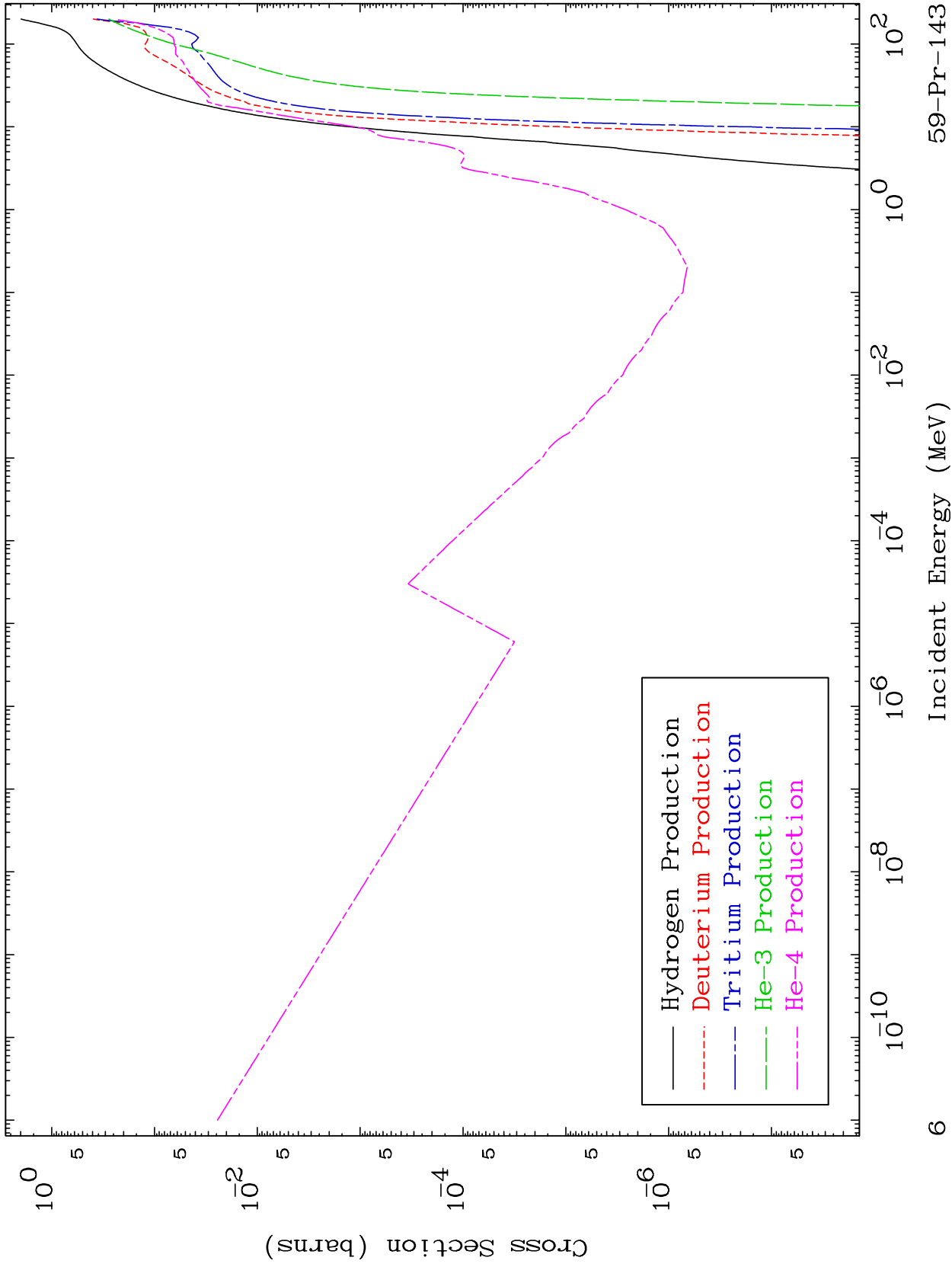


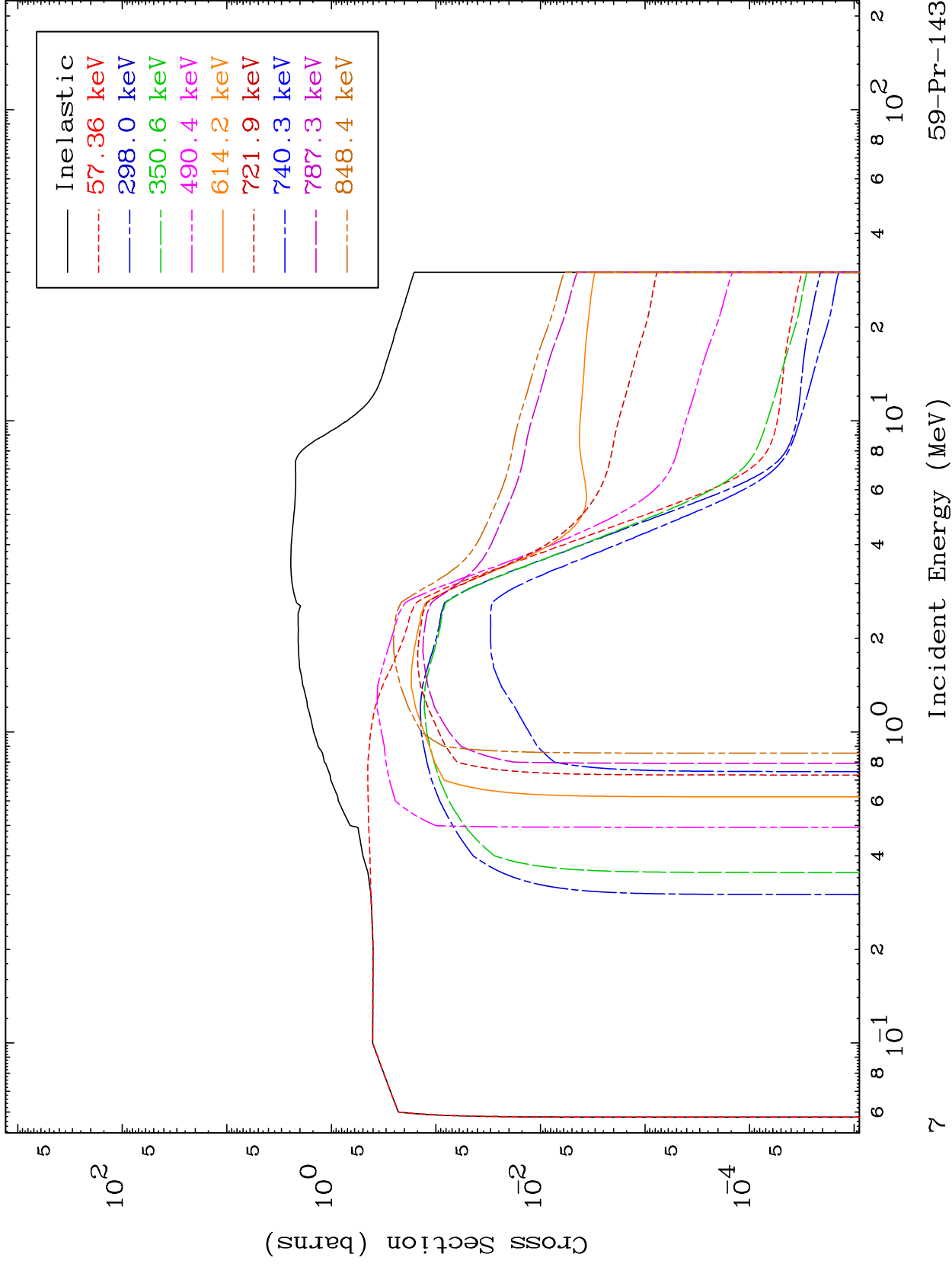
MAT 5931

Charged Particle  
293 Kelvin Cross Sections

59-Pr-143





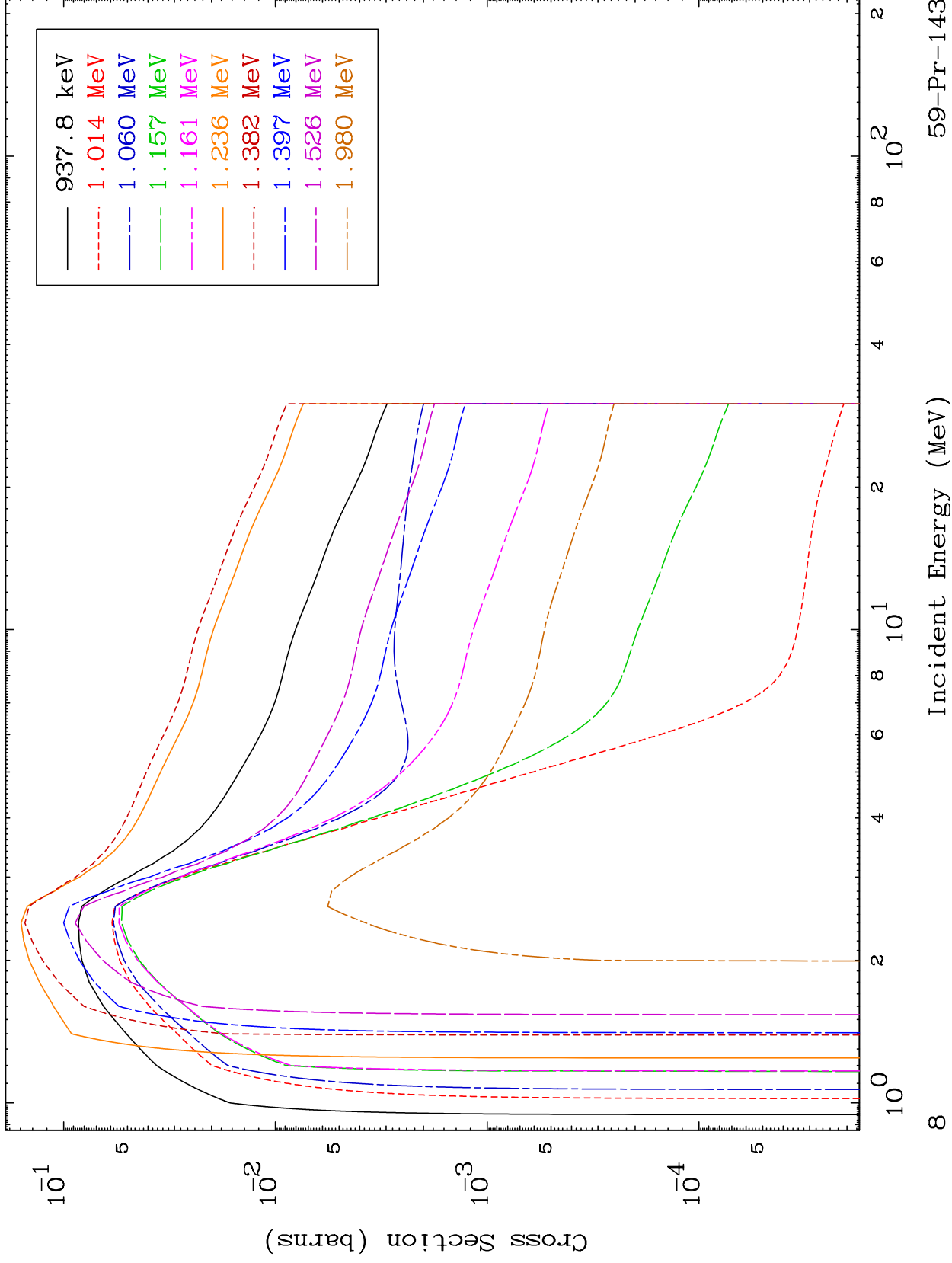




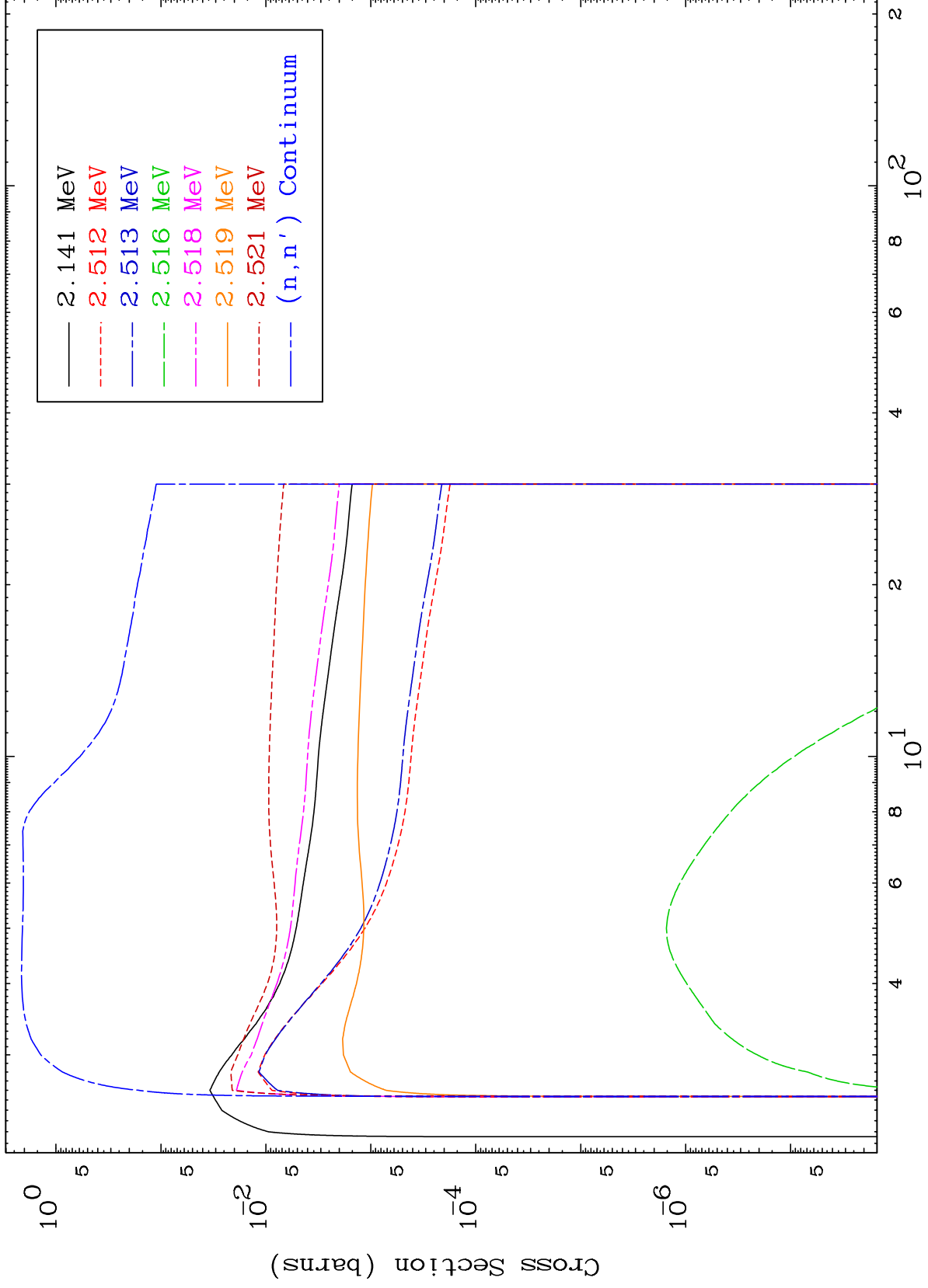
MAT 5931

(n,n') Level  
293 Kelvin Cross Sections

59-Pr-143



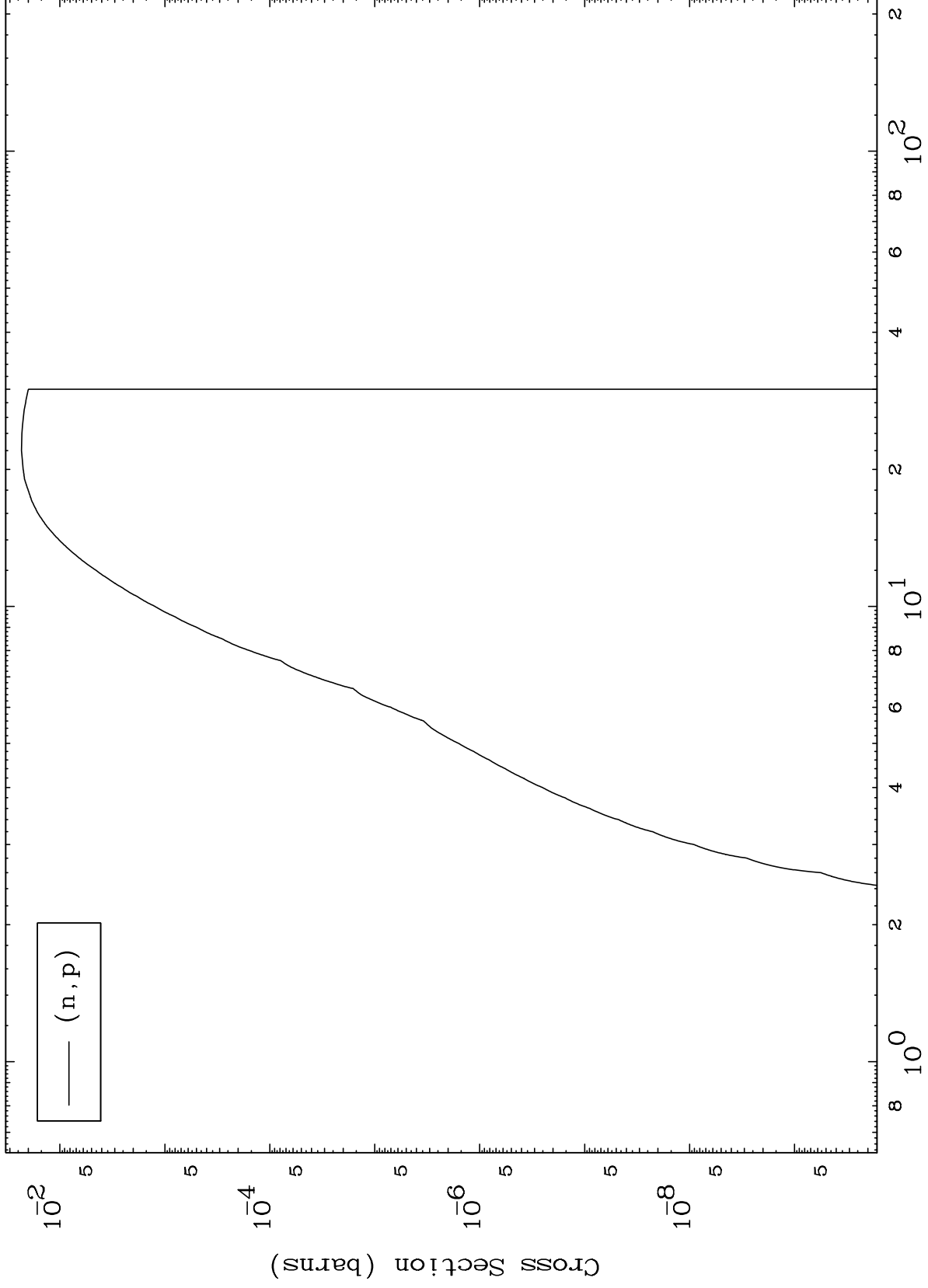
59-Pr-143



MAT 5931

(n,p) Levels  
293 Kelvin Cross Sections

59-Pr-143



(n,p)

10

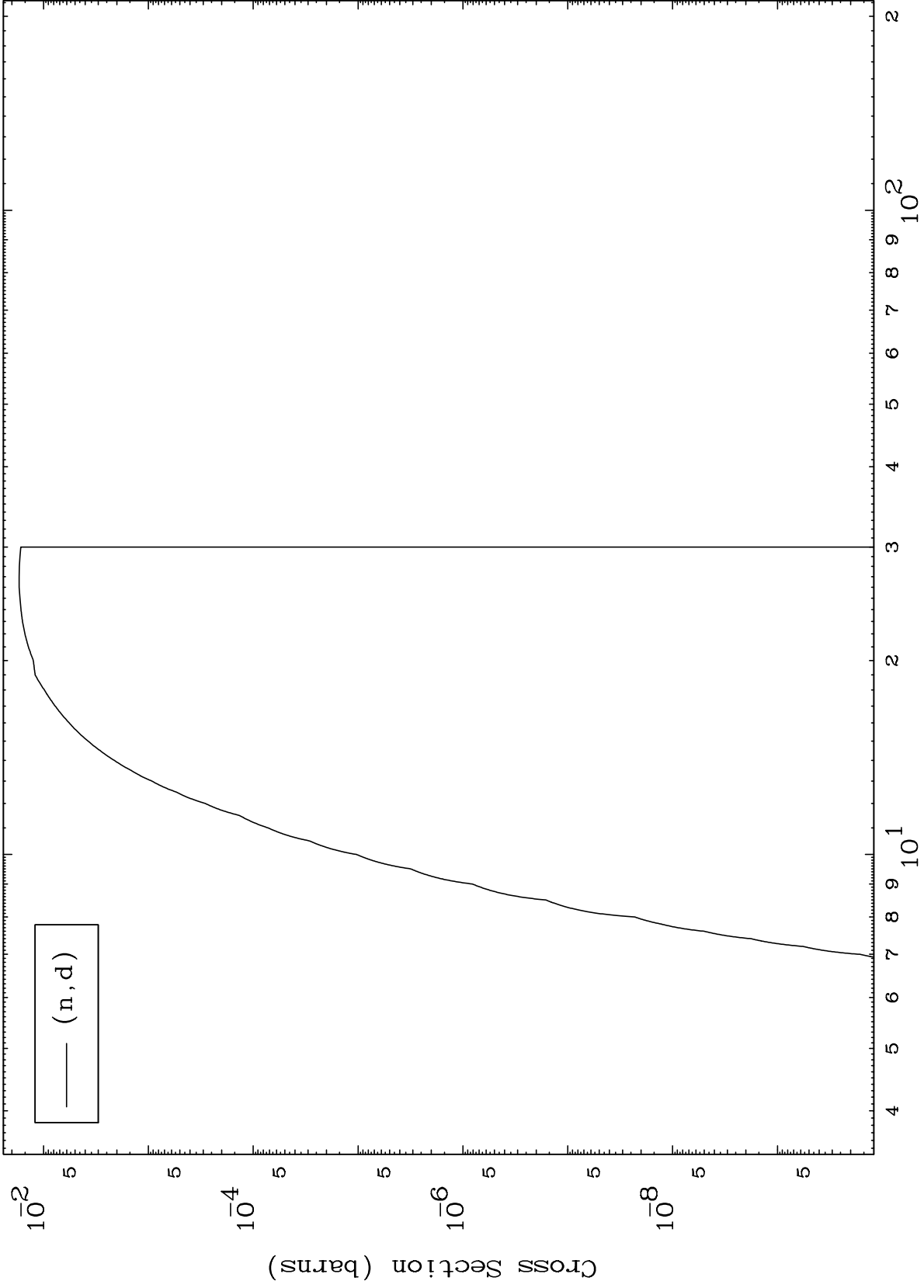
Incident Energy (MeV)

59-Pr-143

MAT 5931

(n,d) Levels  
293 Kelvin Cross Sections

59-Pr-143



11

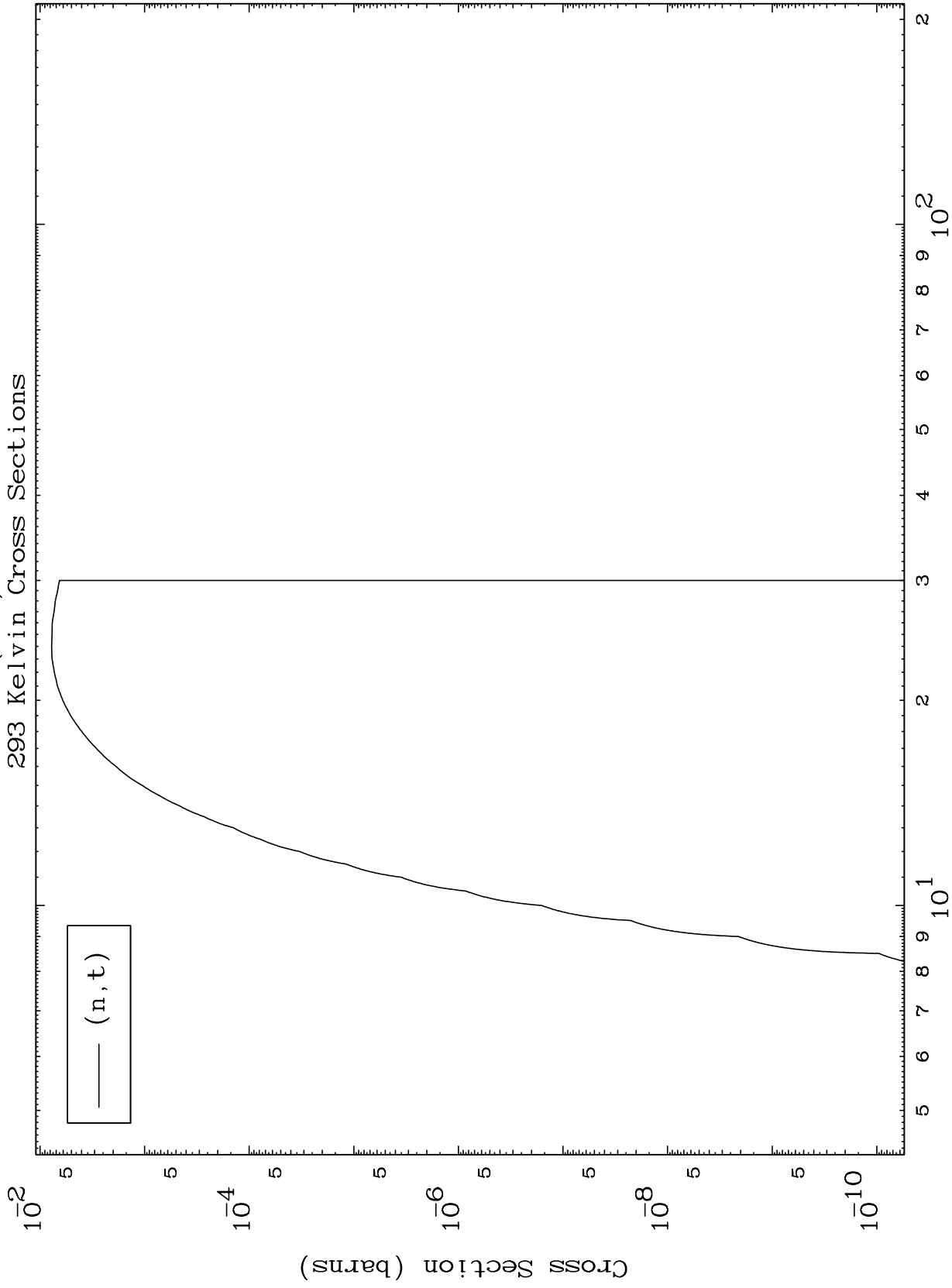
Incident Energy (MeV)

59-Pr-143

MAT 5931

(n,t) Levels  
293 Kelvin Cross Sections

59-Pr-143

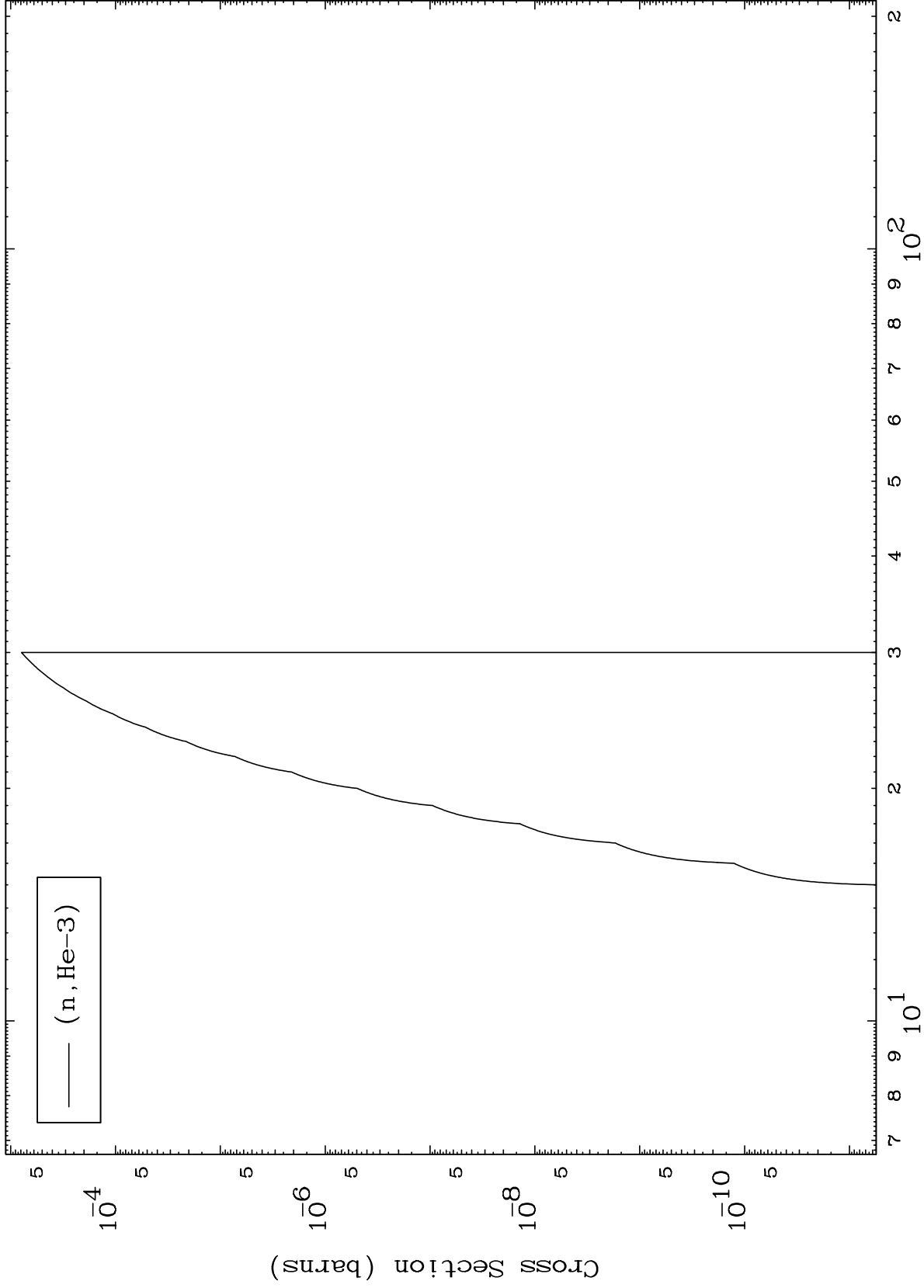


(n,t)

59-Pr-143

Incident Energy (MeV)

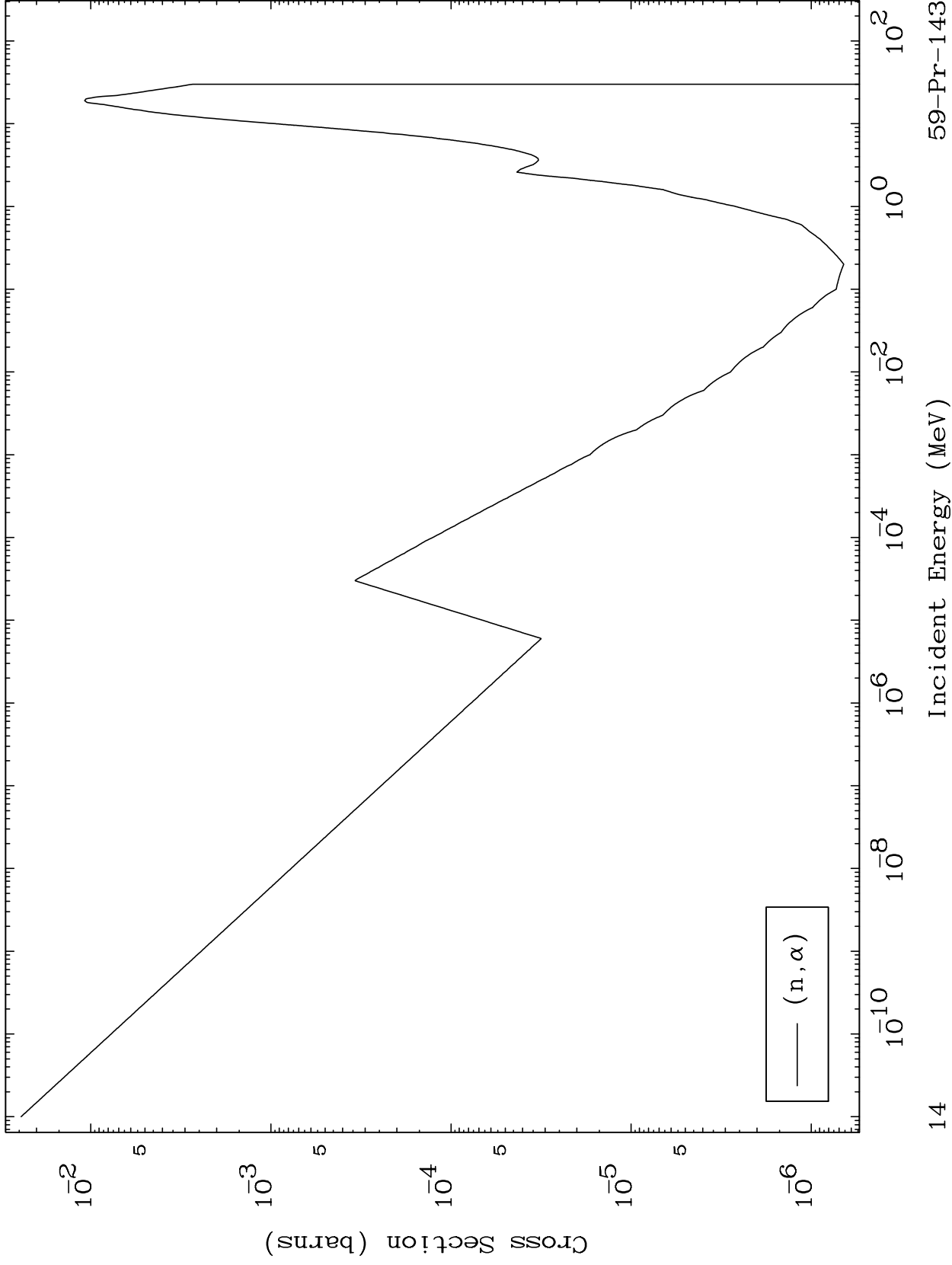
12

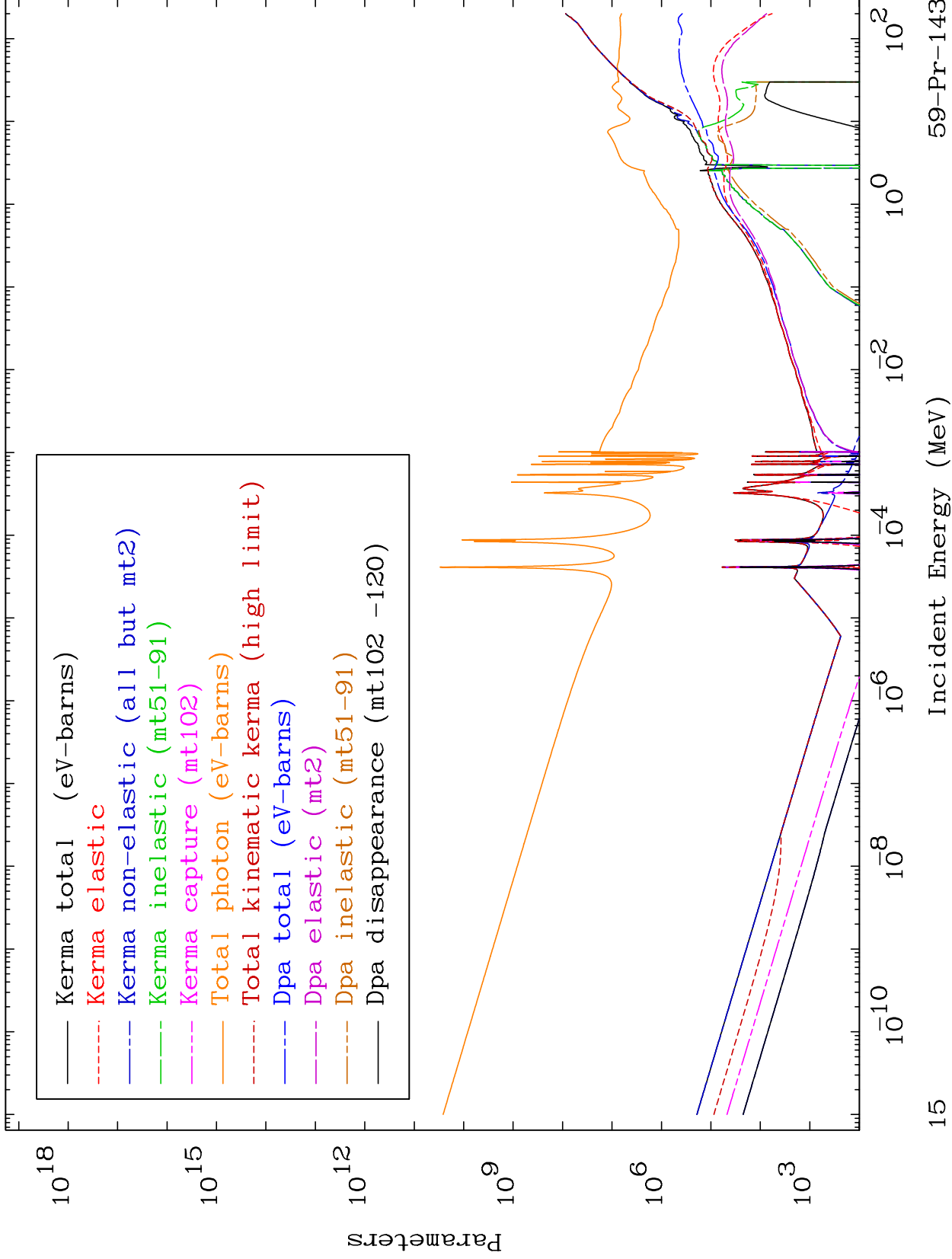


MAT 5931

(n,α) Levels  
293 Kelvin Cross Sections

59-Pr-143



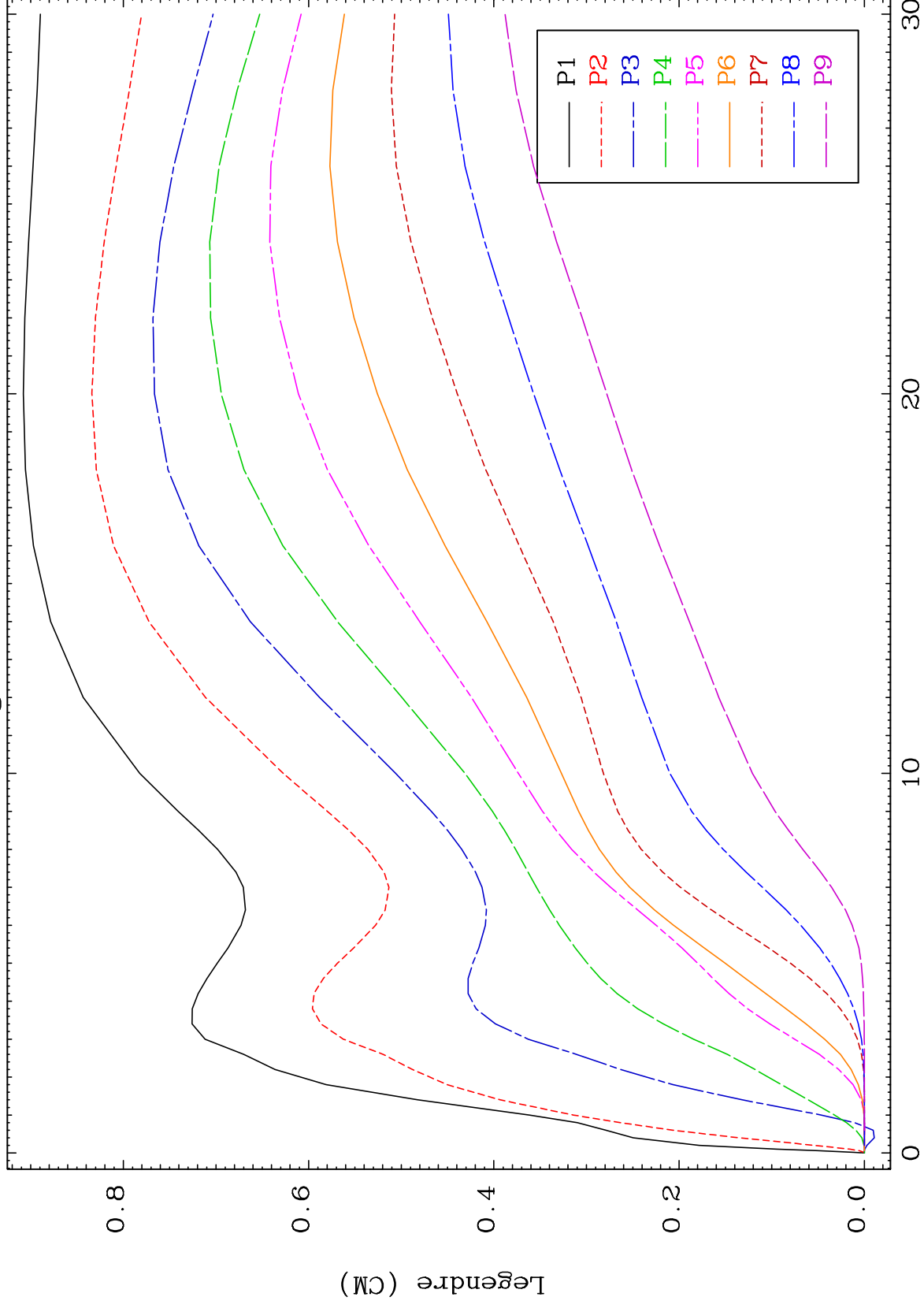




MAT 5931

Elastic Legendre Coefficients

59-Pr-143



16

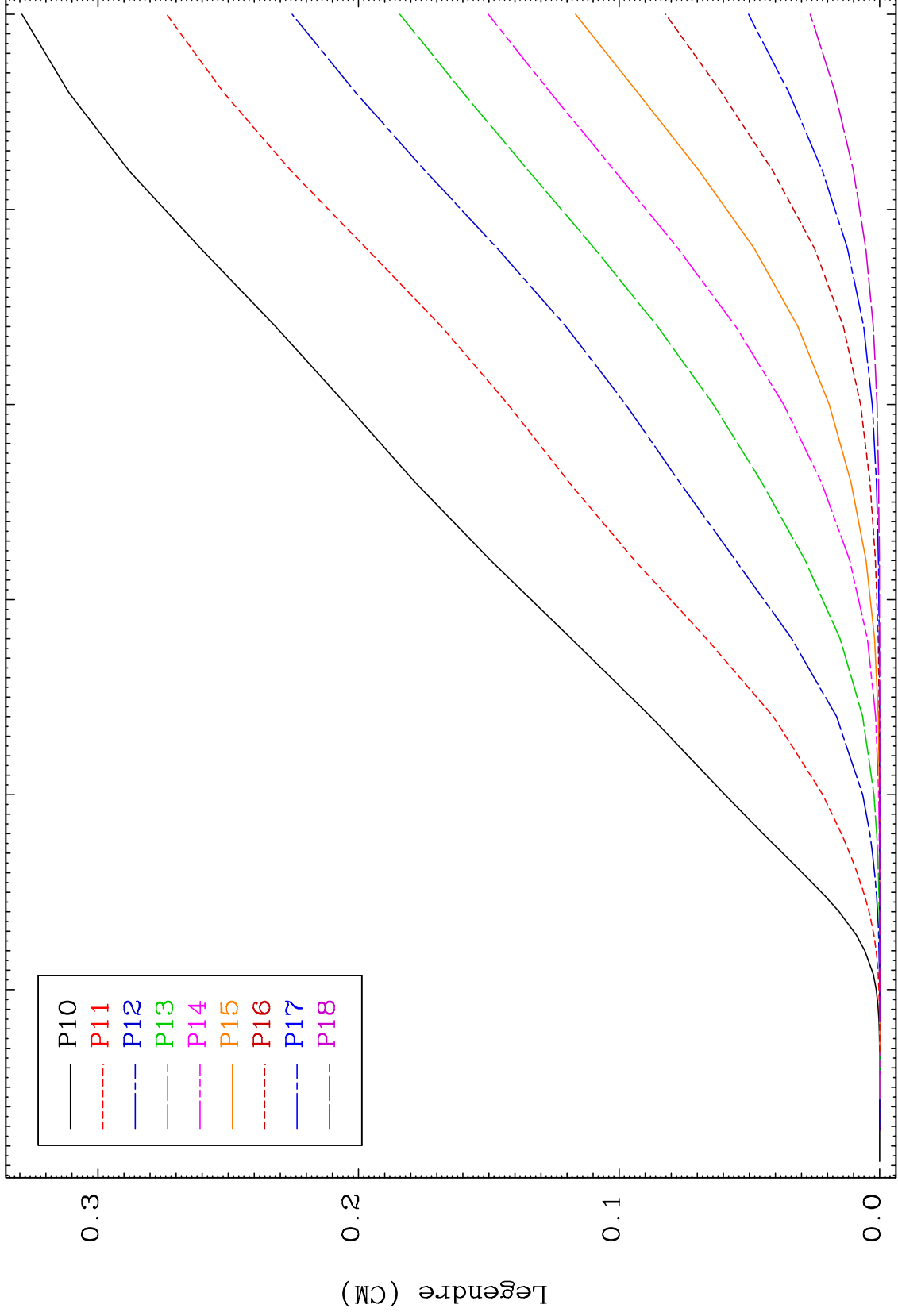
Incident Energy (MeV)

59-Pr-143

MAT 5931

Elastic Legendre Coefficients

59-Pr-143



17

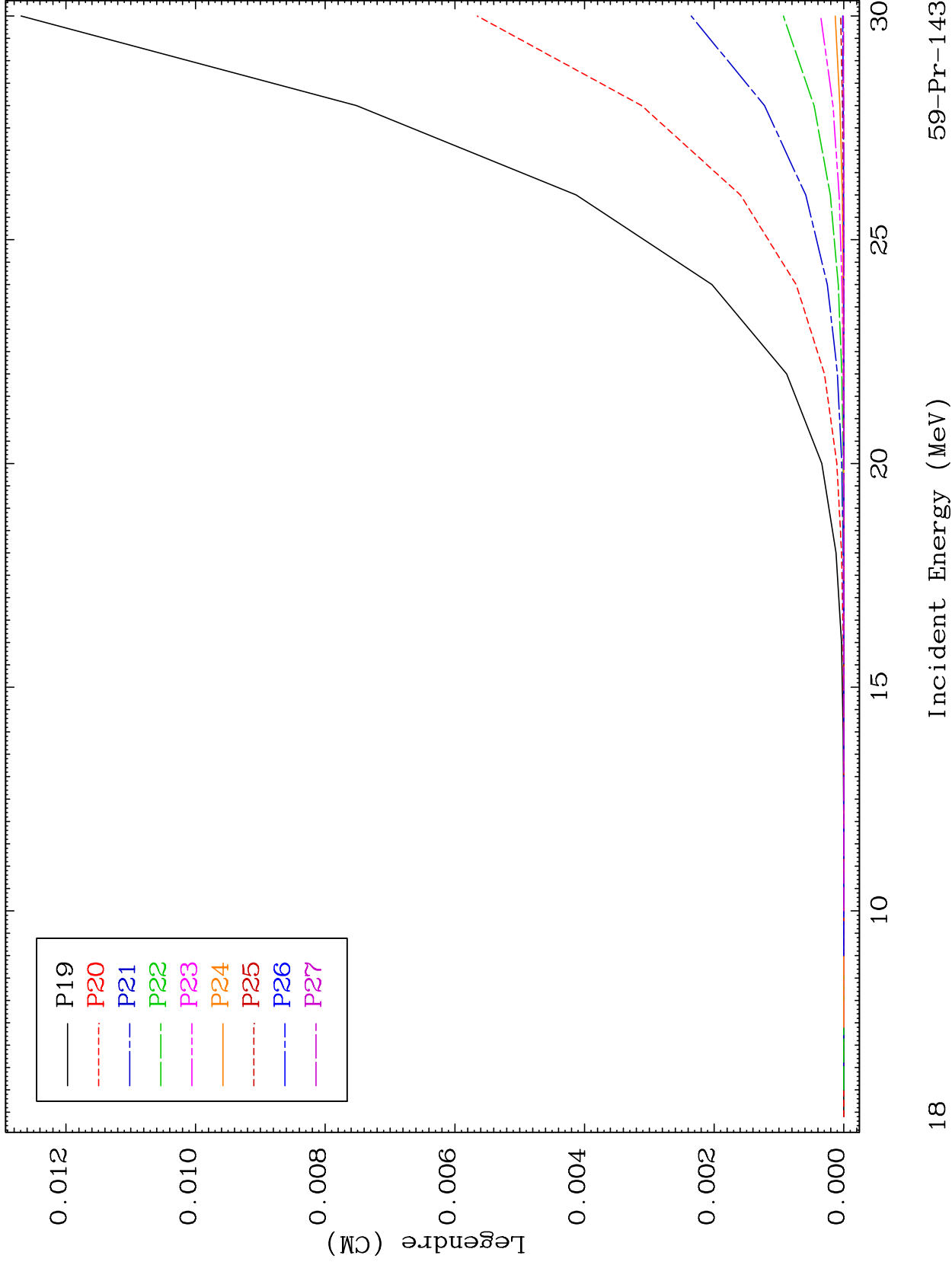
Incident Energy (MeV)

59-Pr-143

MAT 5931

### Elastic Legendre Coefficients

59-Pr-143



18

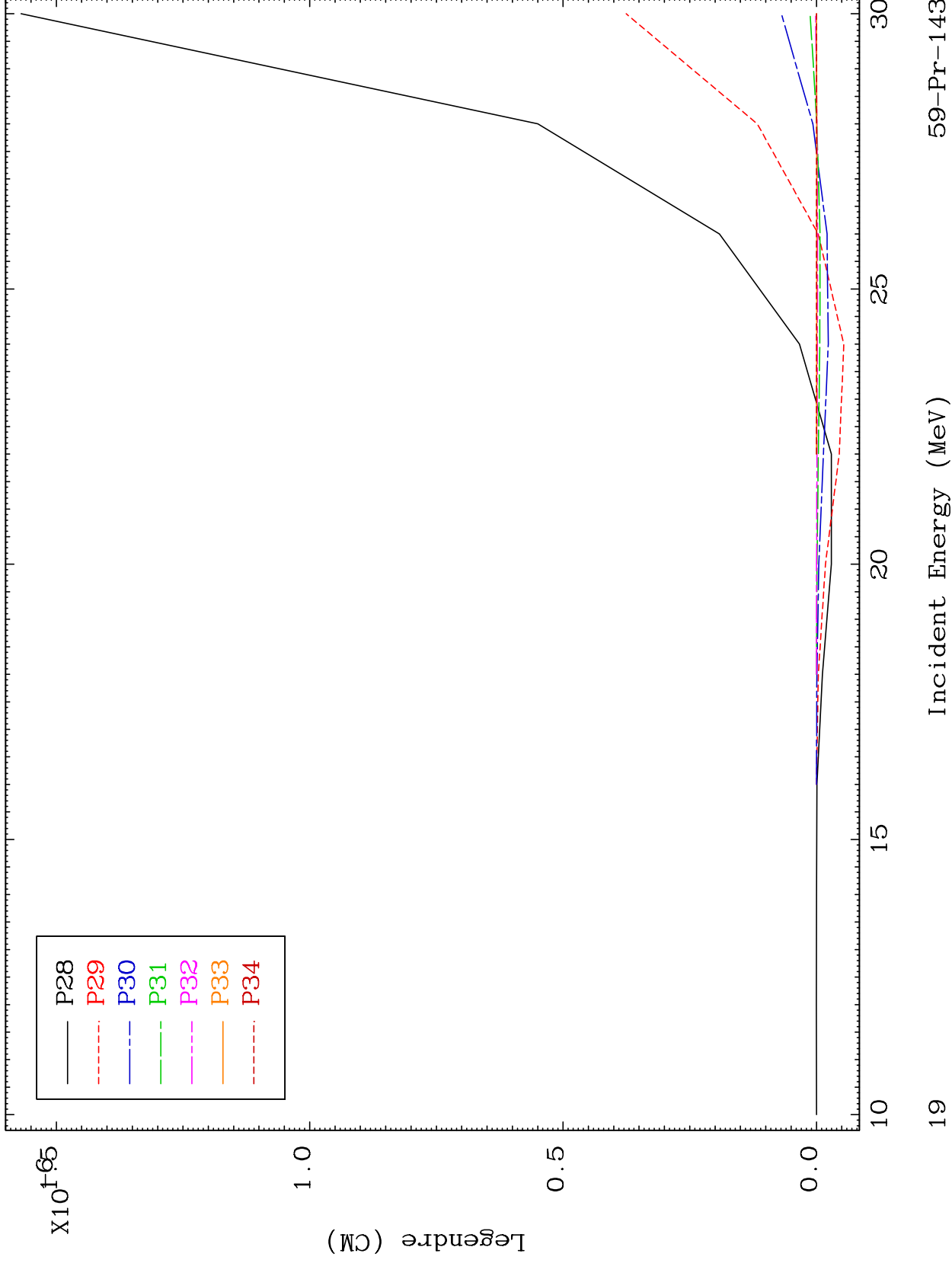
Incident Energy (MeV)

59-Pr-143

MAT 5931

Elastic  
Legendre Coefficients

59-Pr-143



19

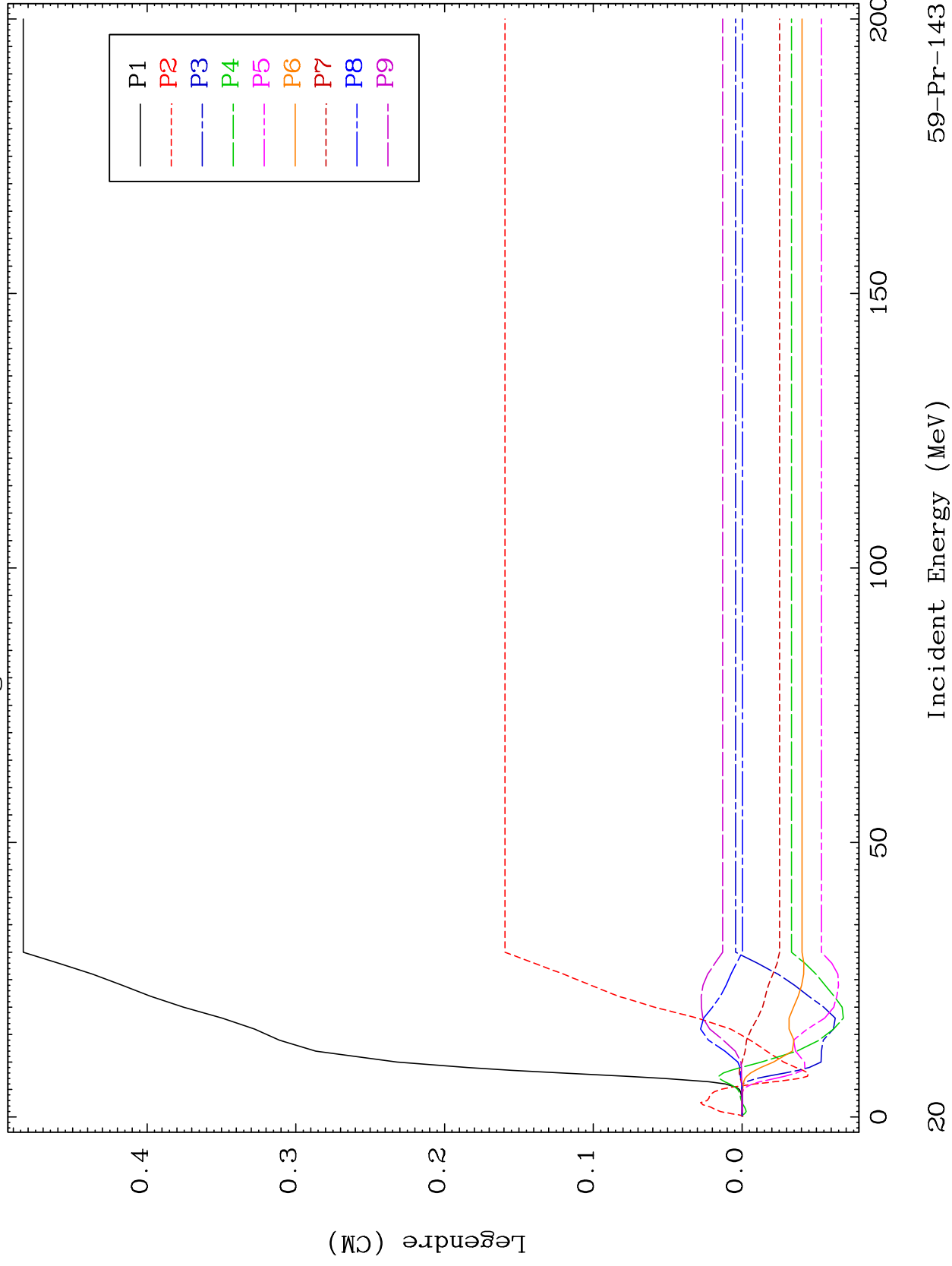
Incident Energy (MeV)

59-Pr-143

MAT 5931

57.36 keV (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

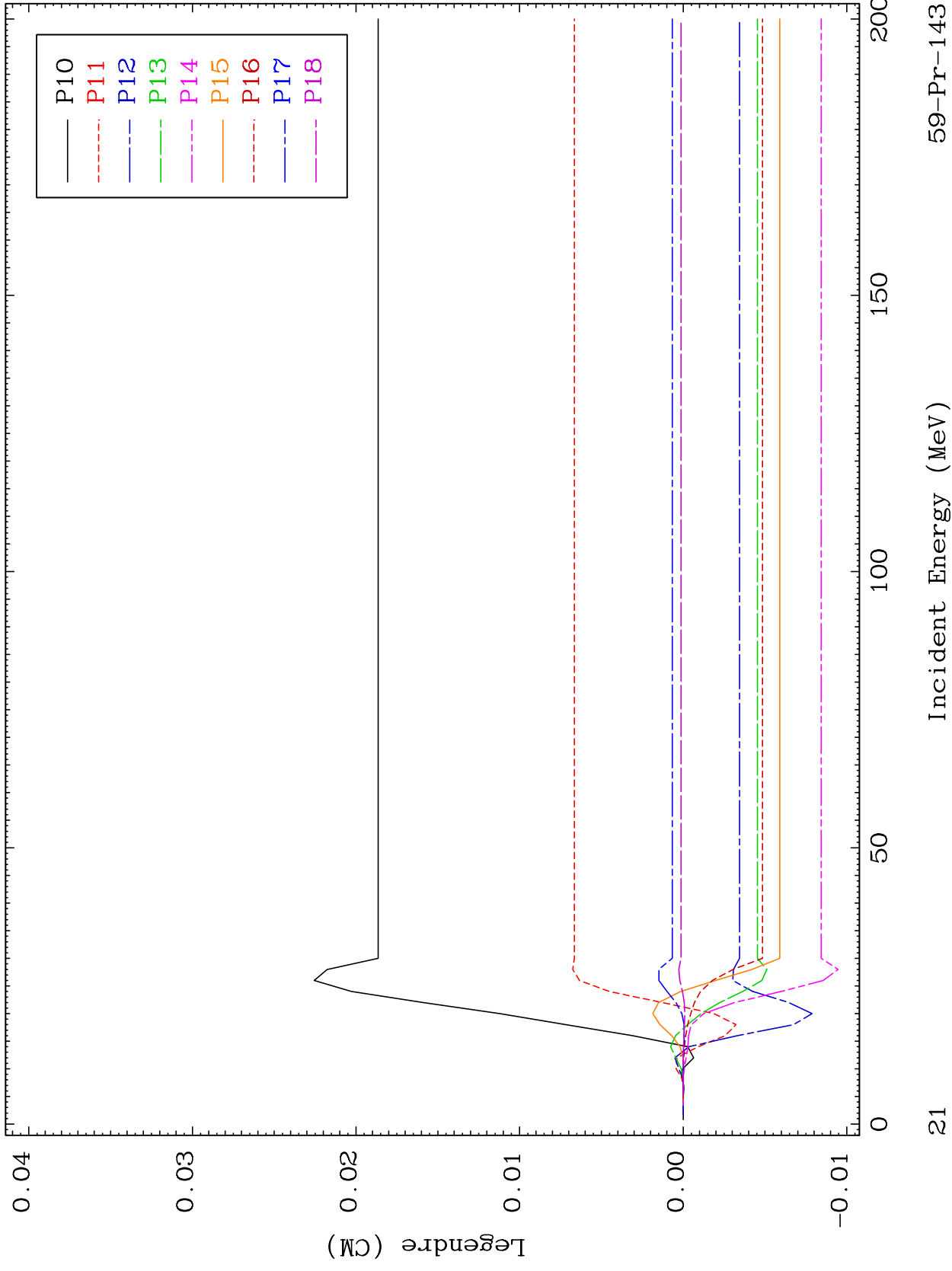
Incident Energy (MeV)

20

MAT 5931

57.36 keV (n,n') Level  
Legendre Coefficients

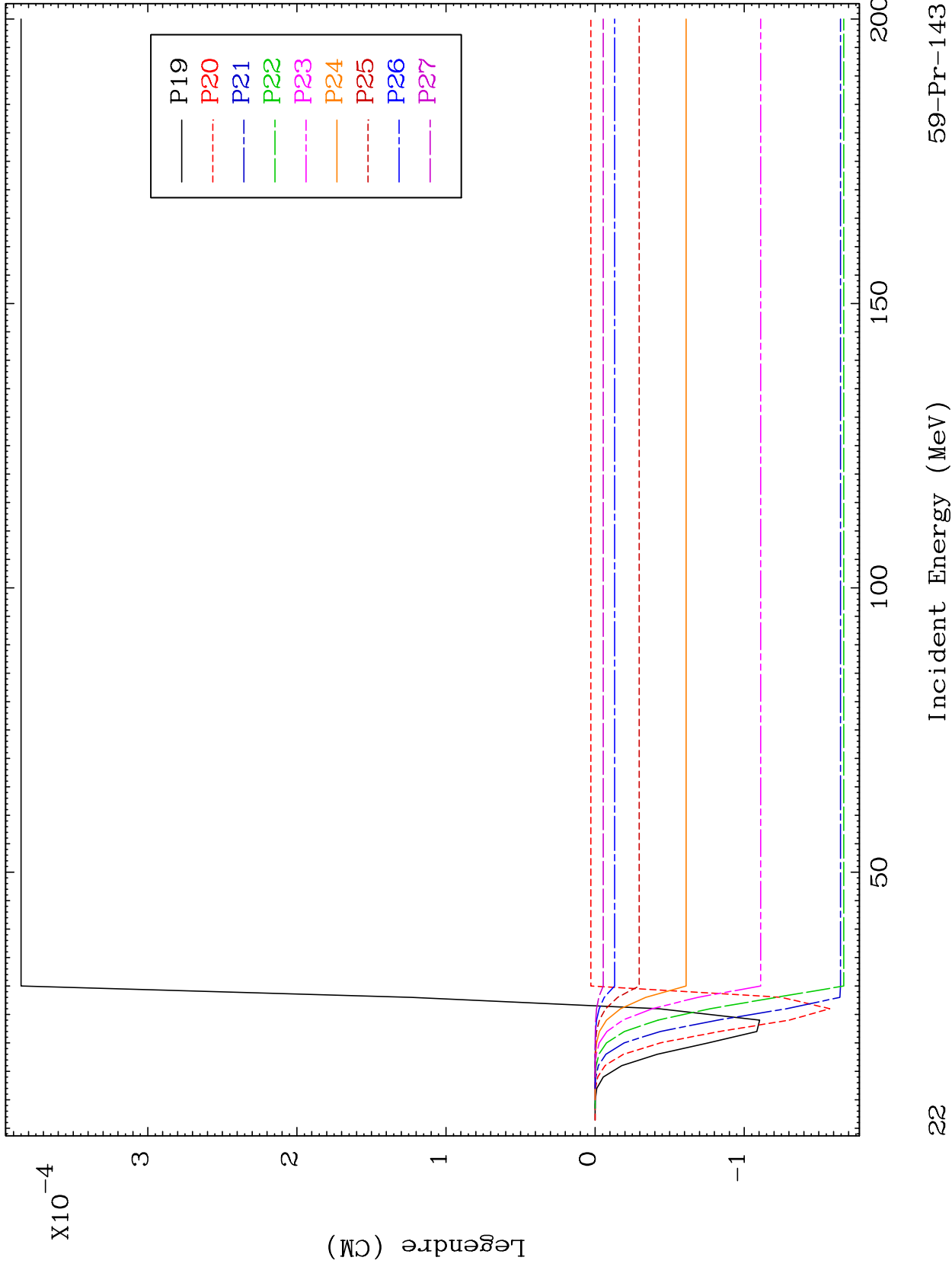
59-Pr-143

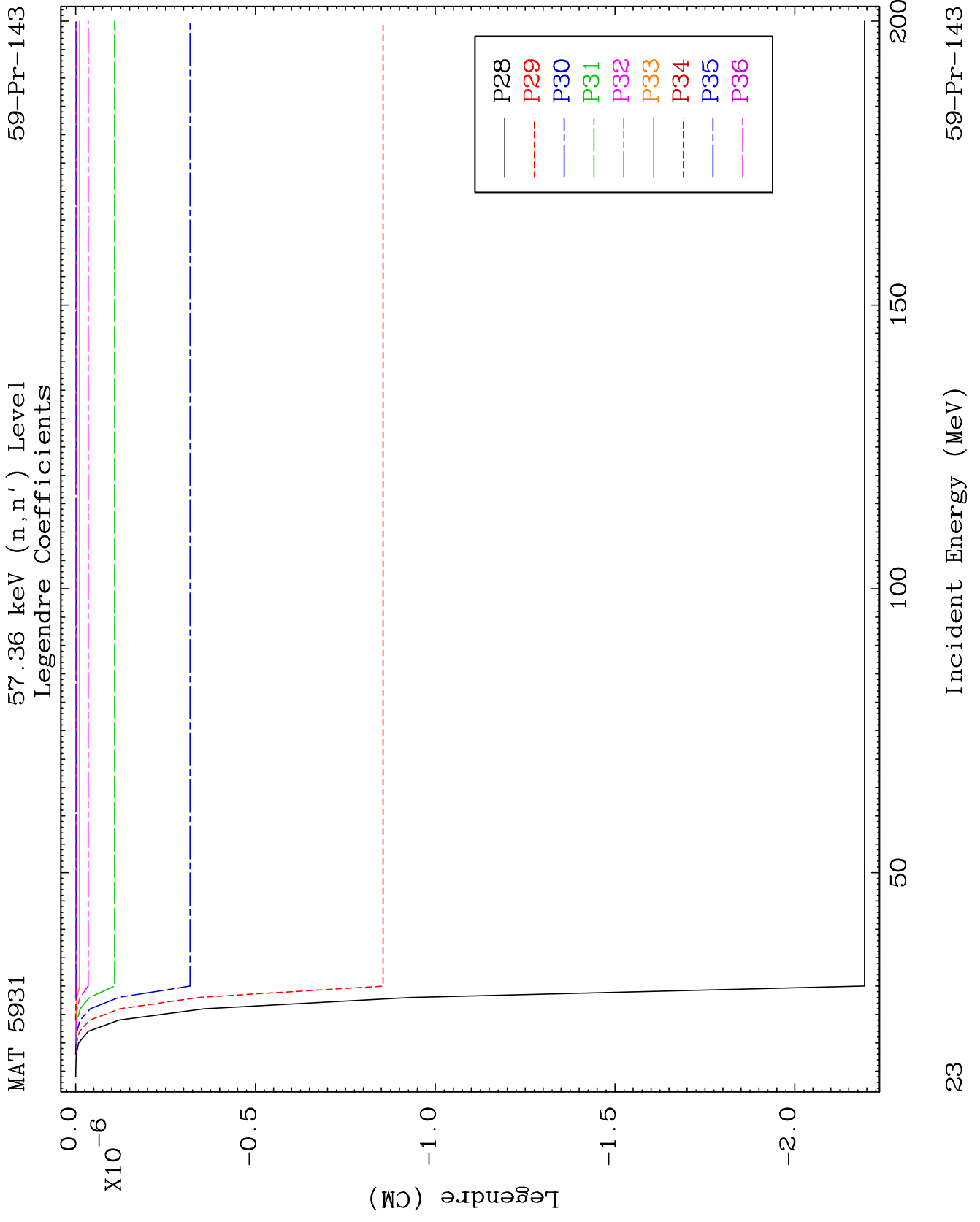


59-Pr-143

Incident Energy (MeV)

21



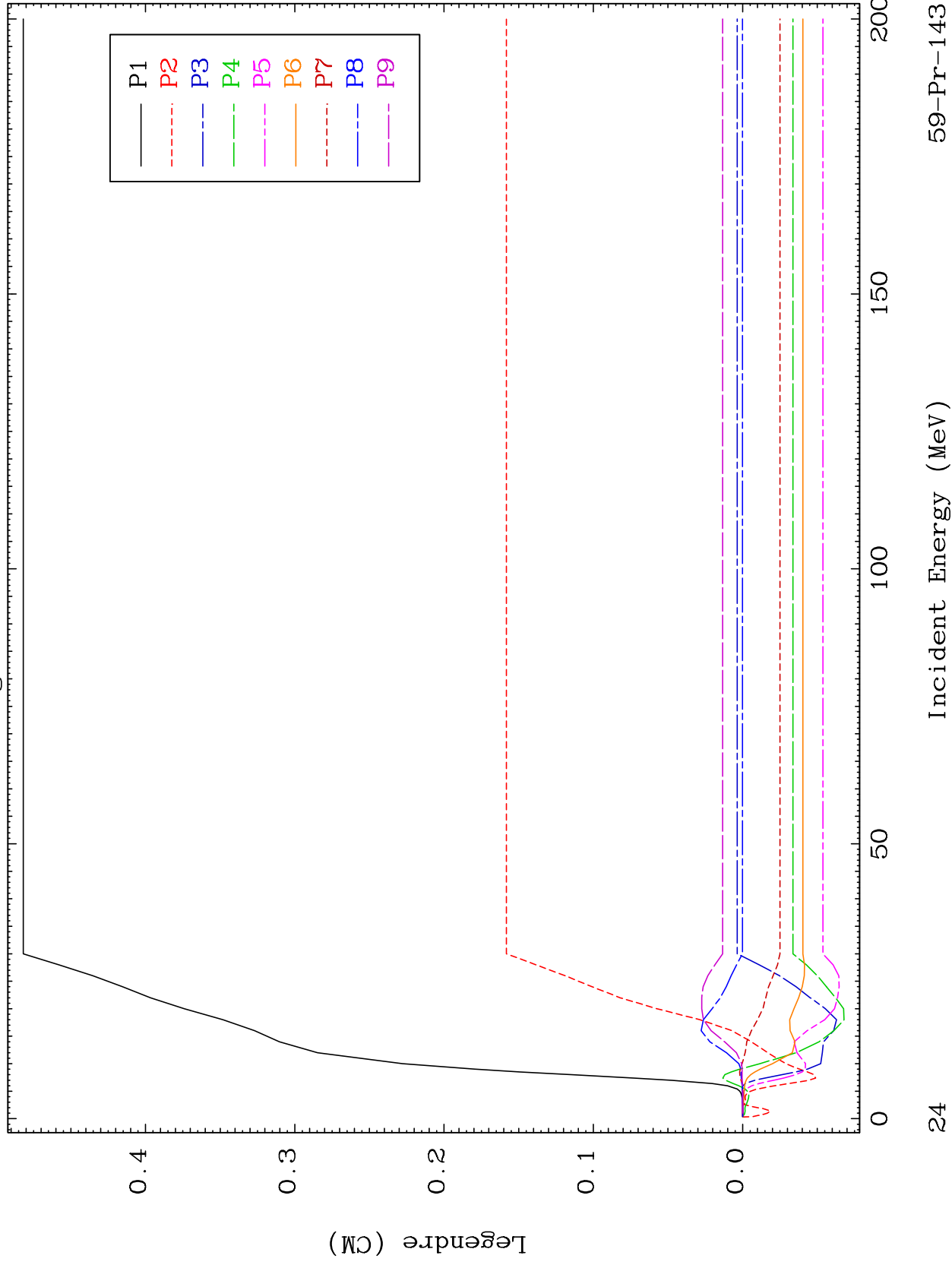




MAT 5931

298.0 keV (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

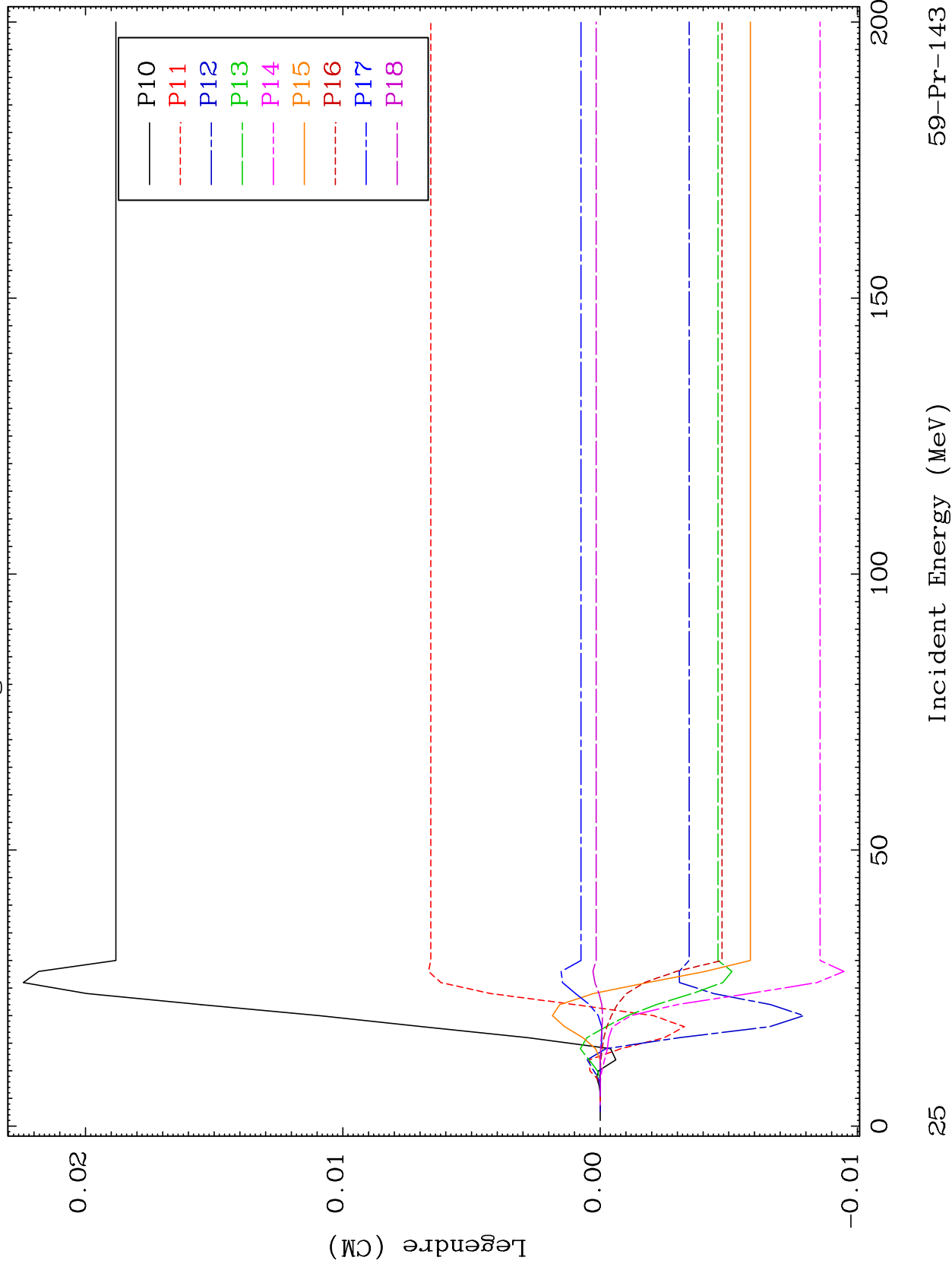
Incident Energy (MeV)

24

MAT 5931

298.0 keV (n,n') Level  
Legendre Coefficients

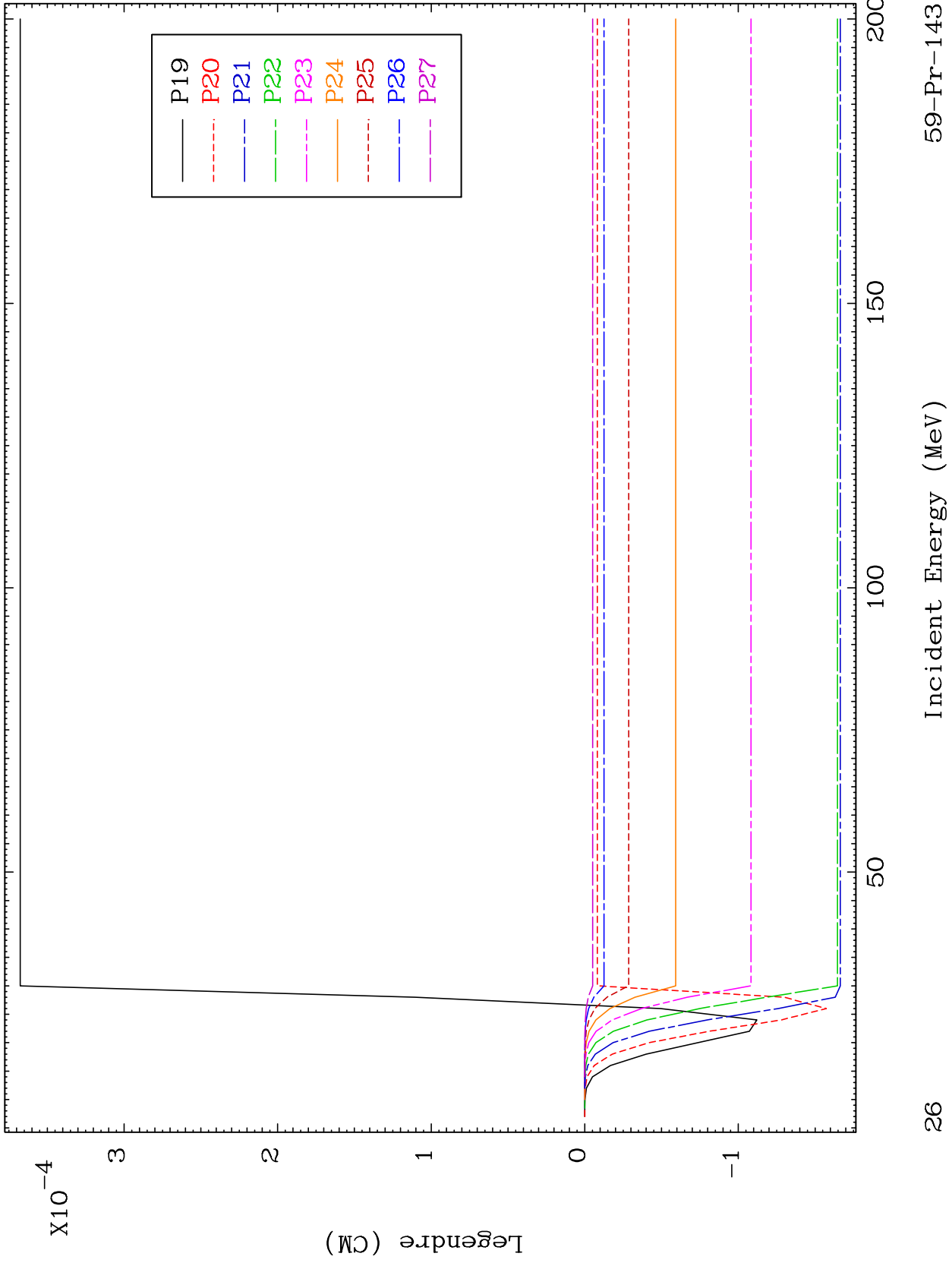
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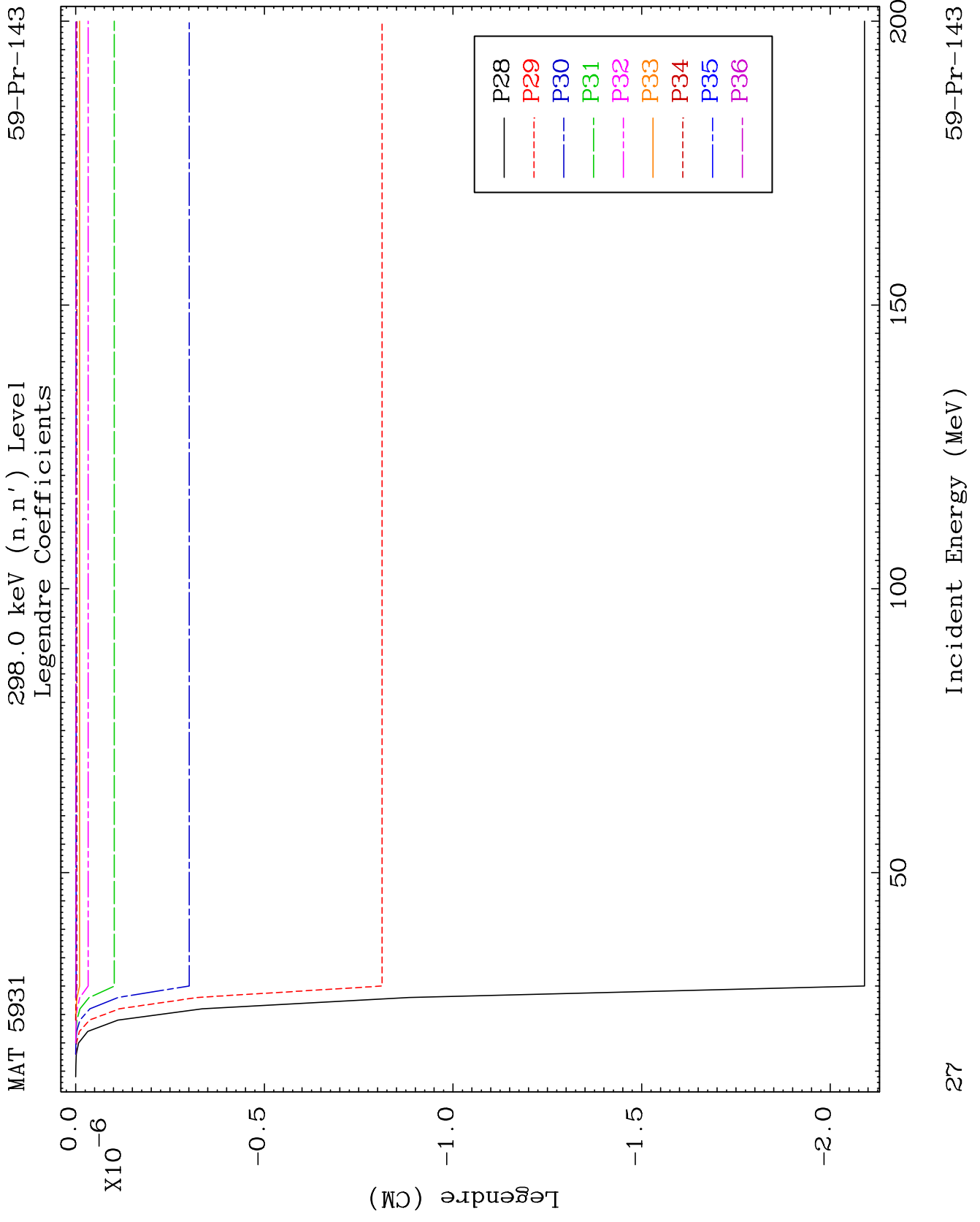


59-Pr-143

Incident Energy (MeV)

25

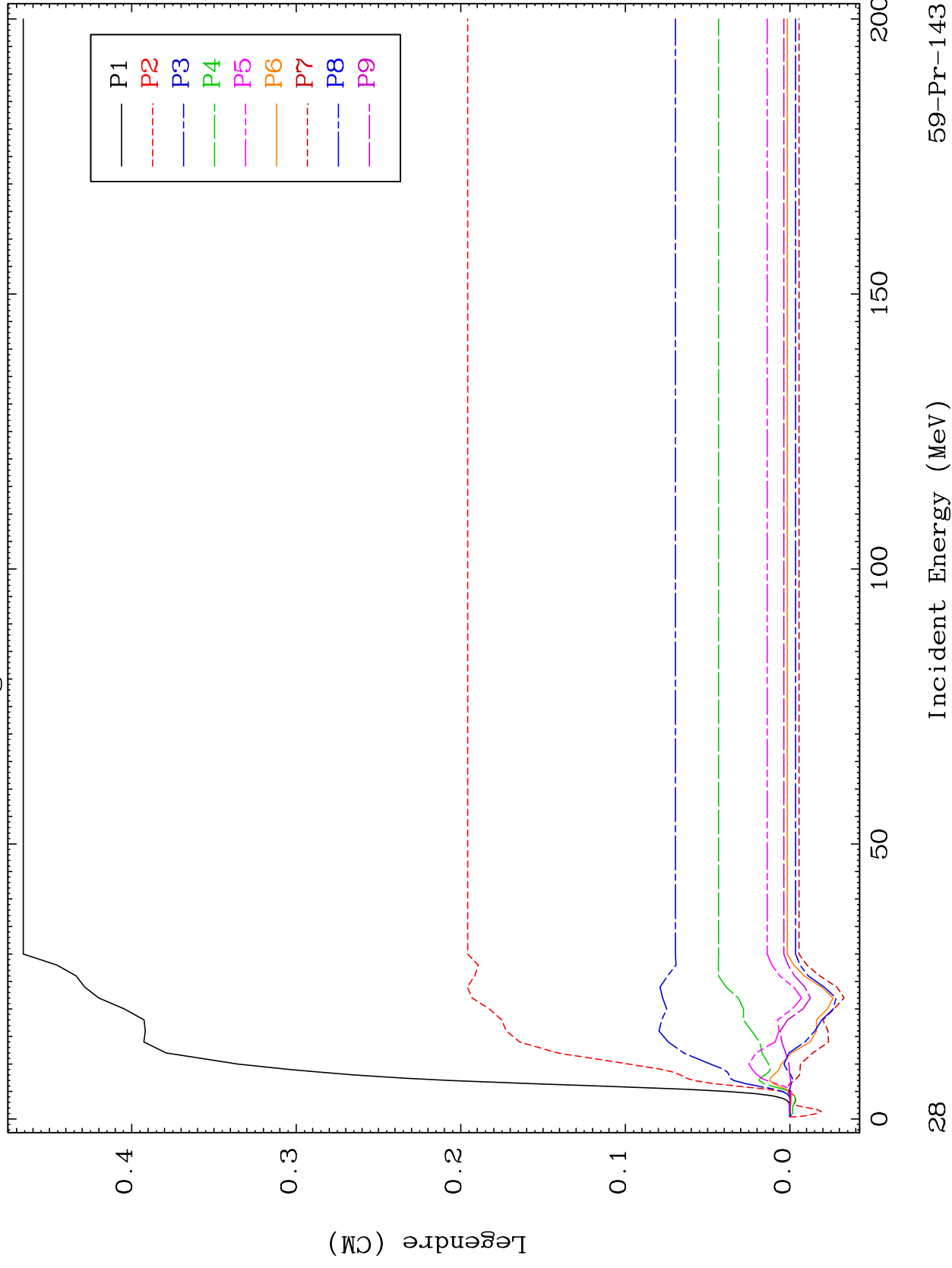




MAT 5931

350.6 keV (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

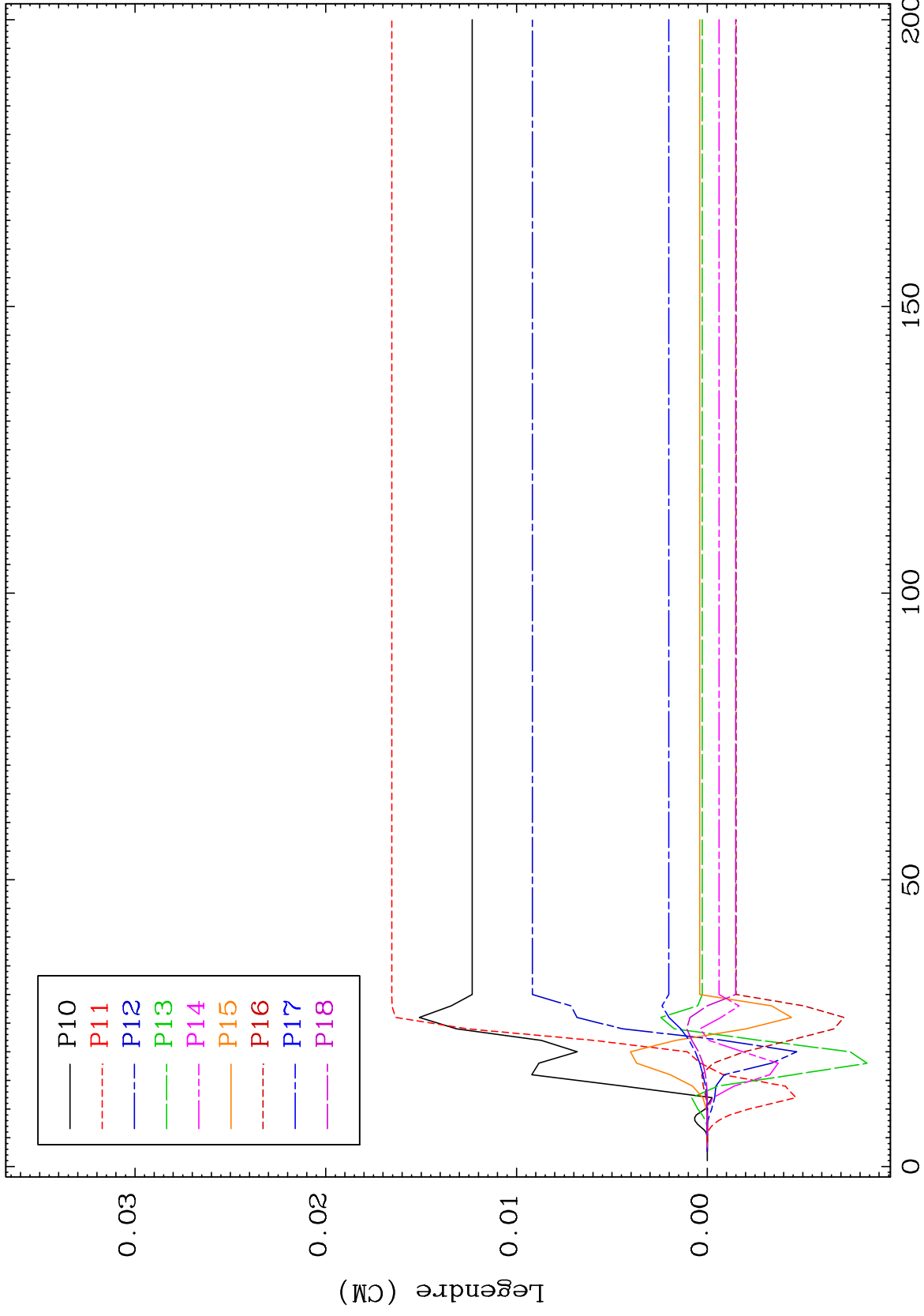
Incident Energy (MeV)

28

MAT 5931

350.6 keV (n,n') Level  
Legendre Coefficients

59-Pr-143



29

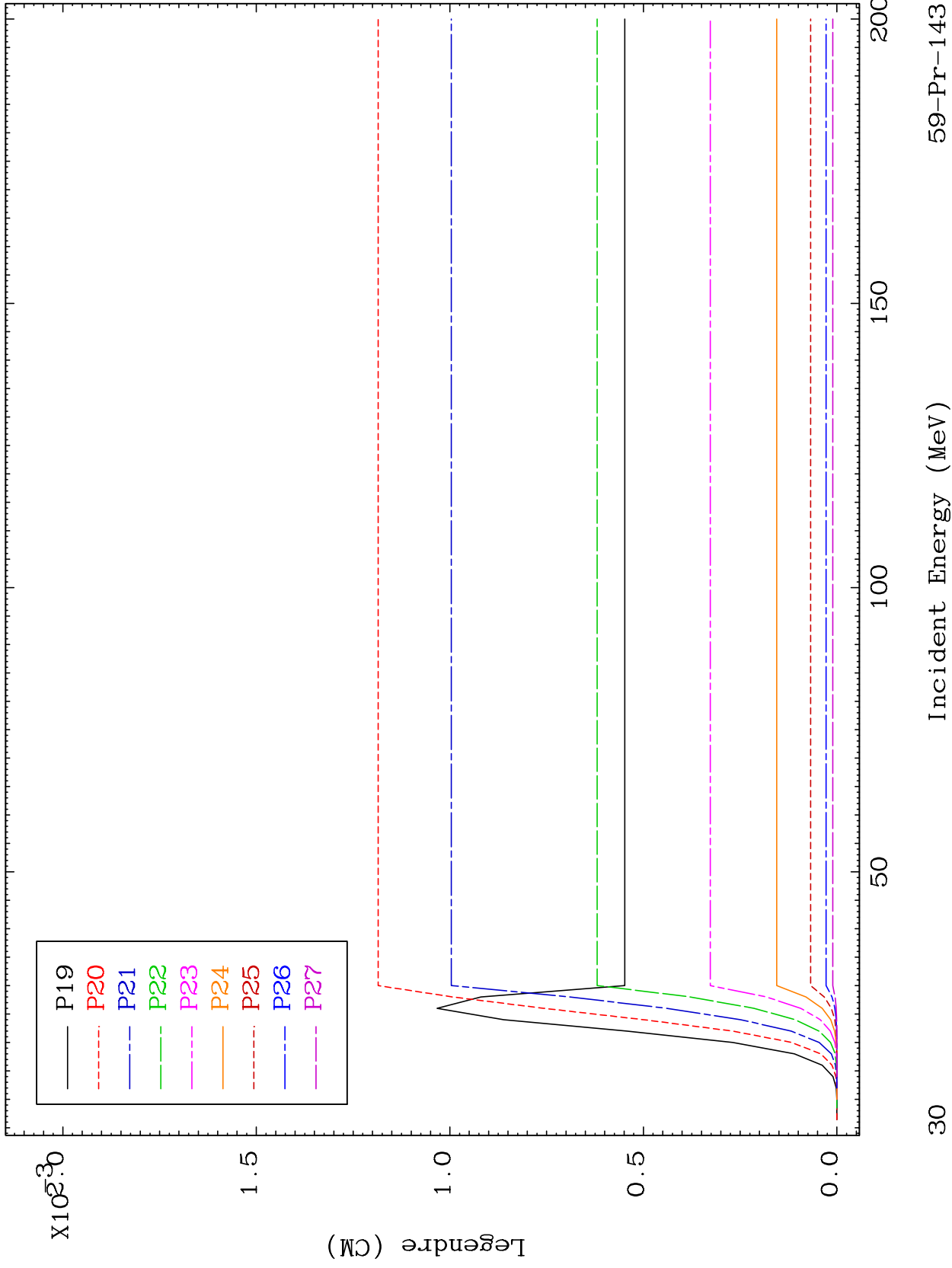
Incident Energy (MeV)

59-Pr-143

MAT 5931

350.6 keV (n,n') Level  
Legendre Coefficients

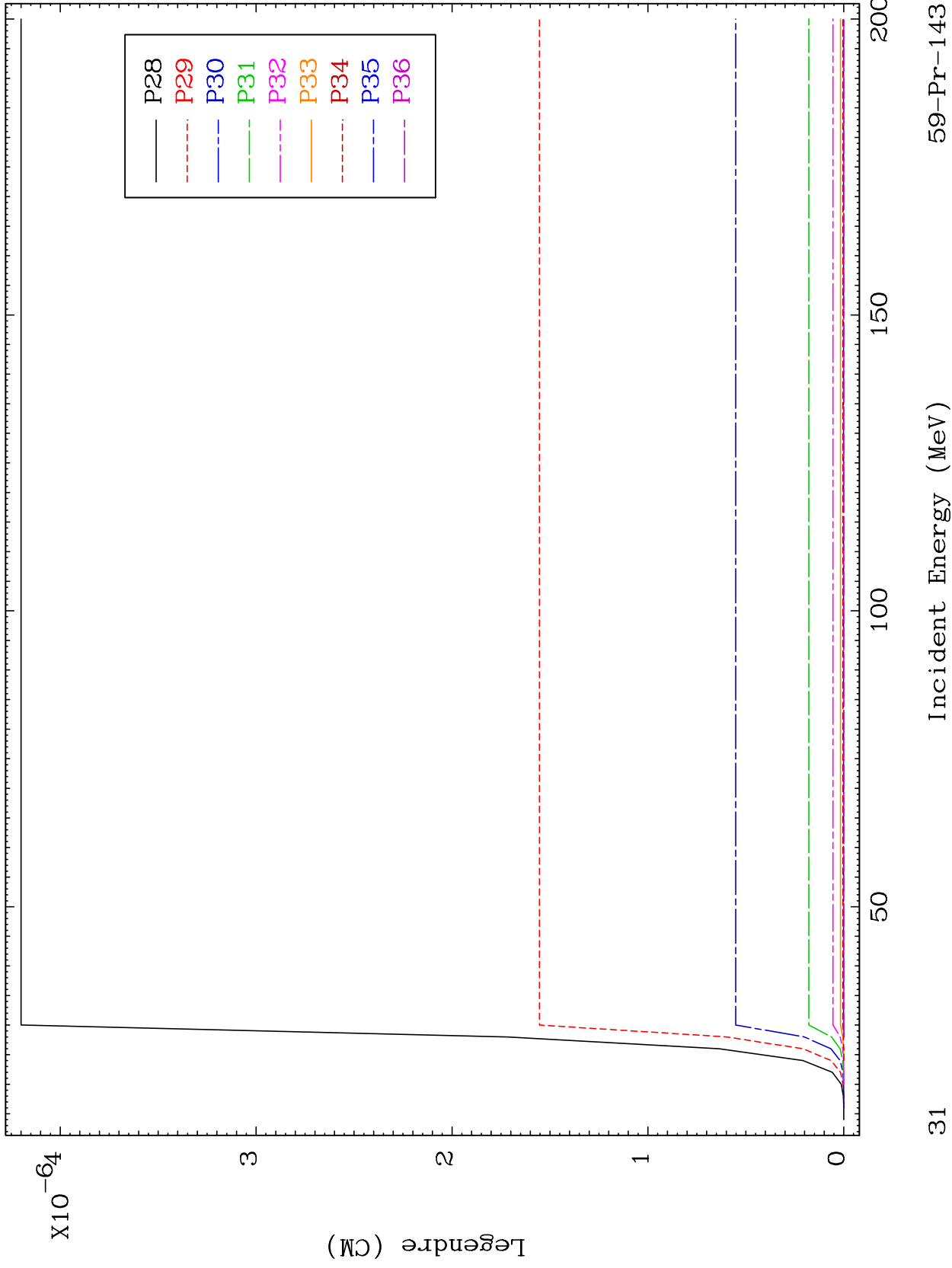
59-Pr-143



MAT 5931

350.6 keV (n,n') Level  
Legendre Coefficients

59-Pr-143

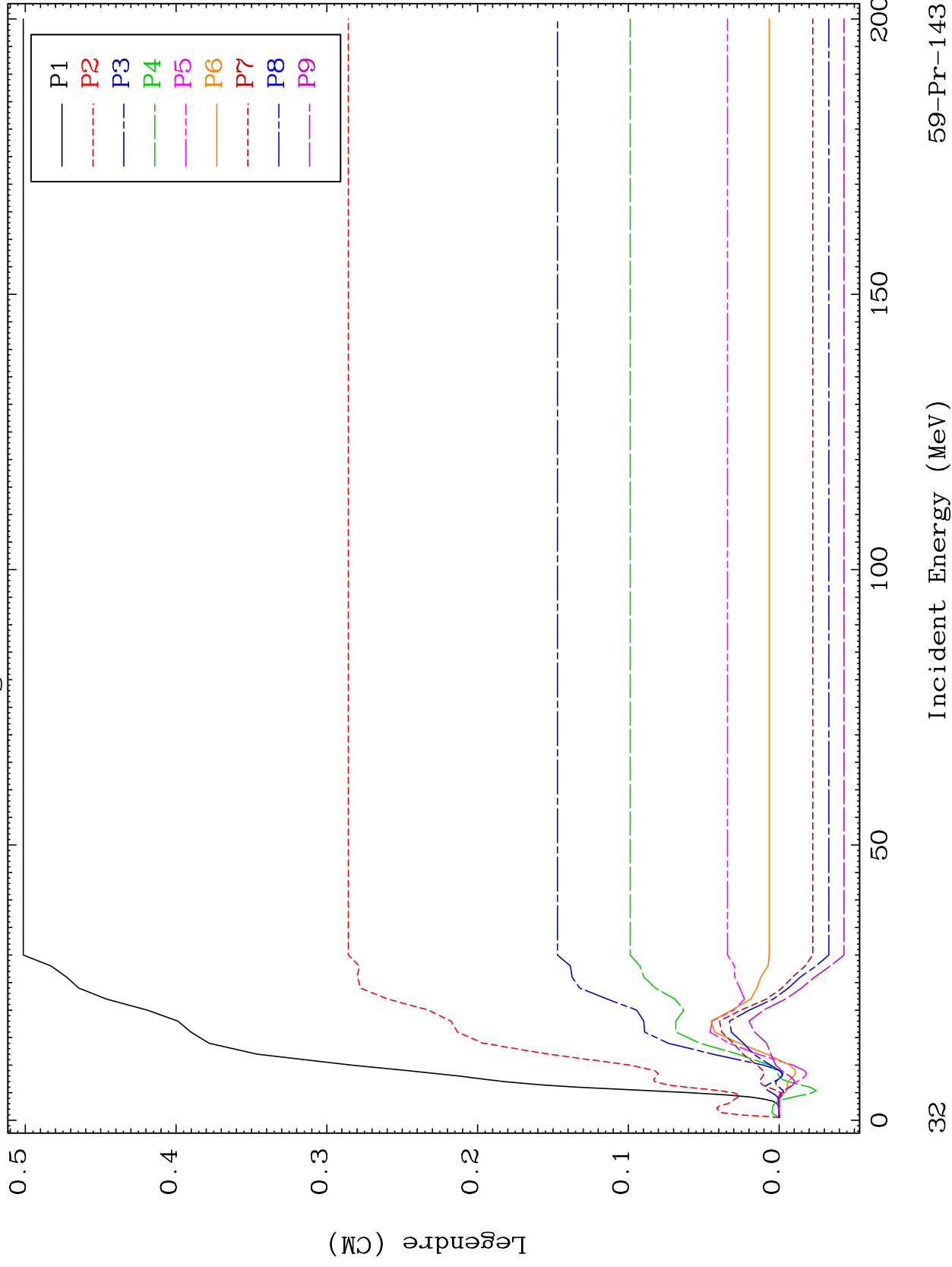


31

Incident Energy (MeV)

59-Pr-143

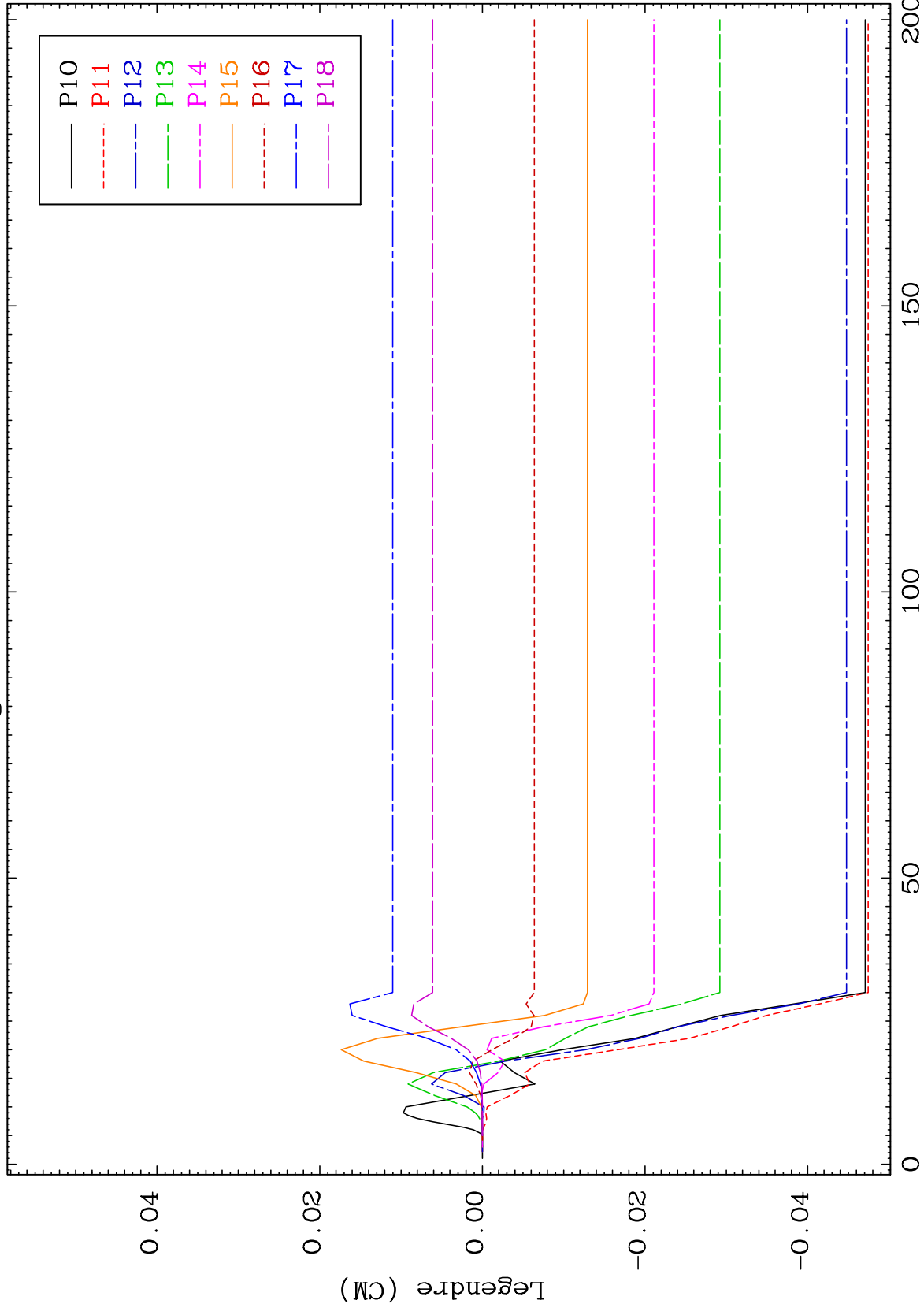




MAT 5931

490.4 keV (n,n') Level  
Legendre Coefficients

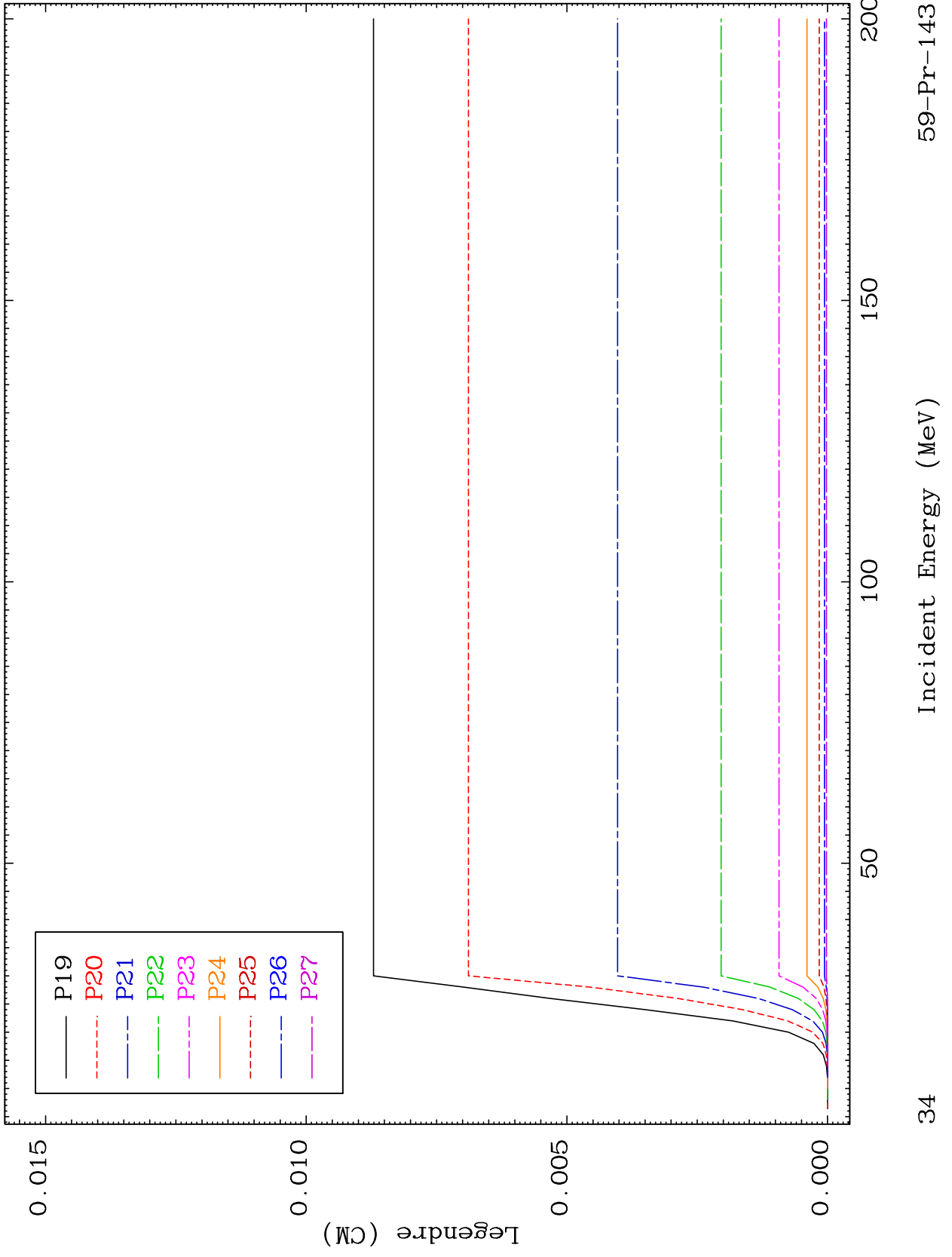
59-Pr-143



33

Incident Energy (MeV)

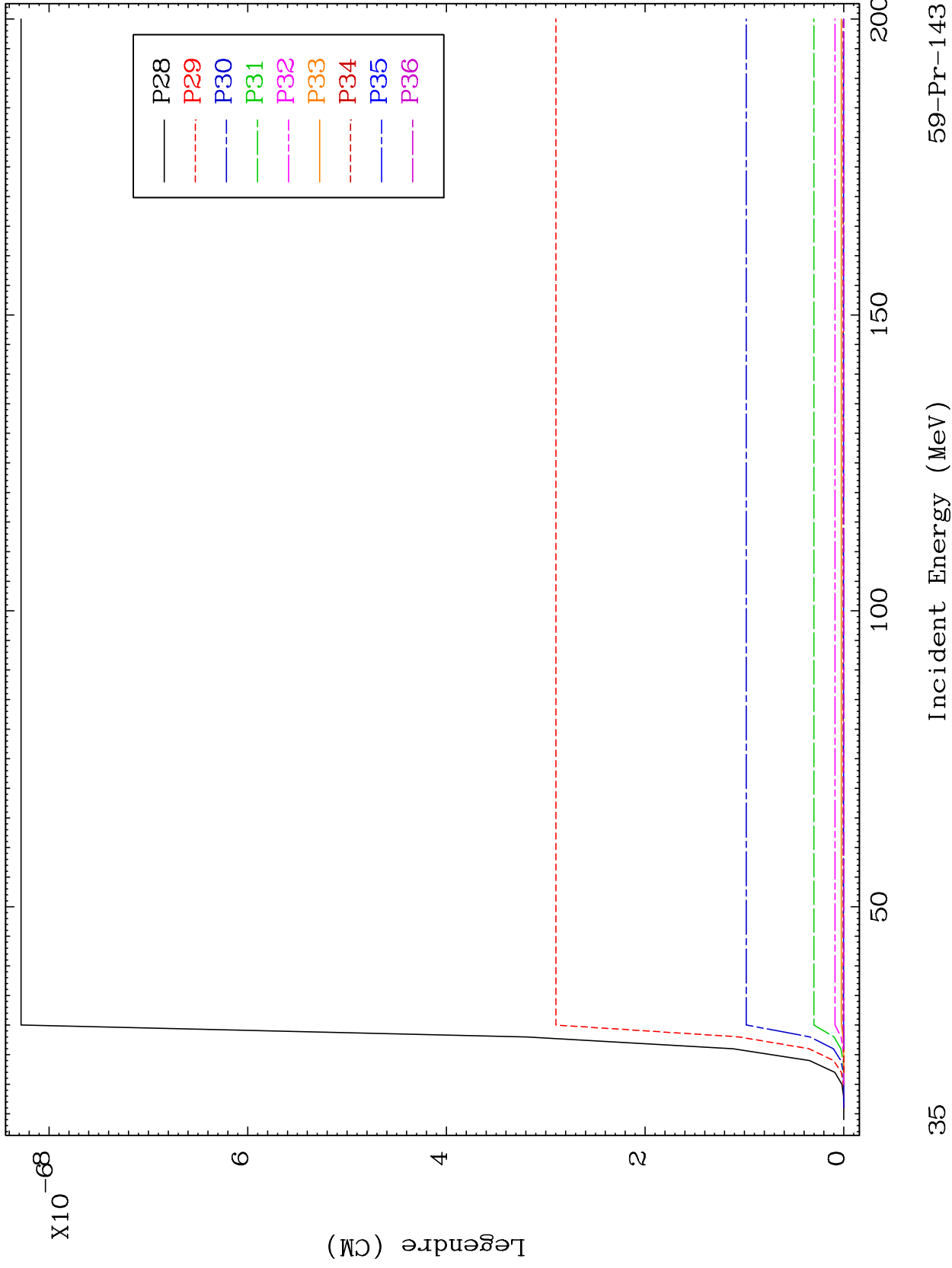
59-Pr-143



MAT 5931

490.4 keV (n,n') Level  
Legendre Coefficients

59-Pr-143



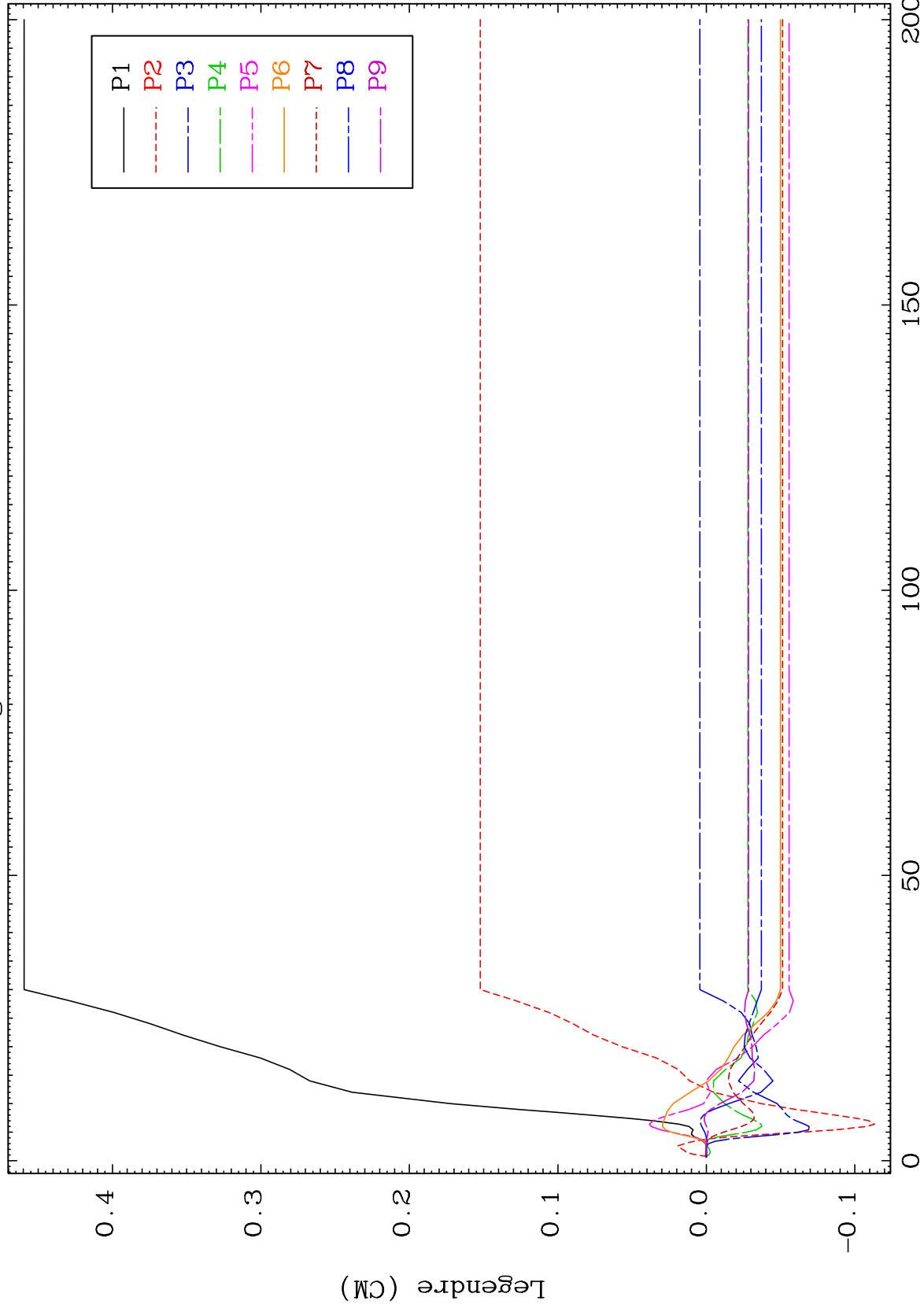
59-Pr-143

35

MAT 5931

614.2 keV (n,n') Level  
Legendre Coefficients

59-Pr-143



36

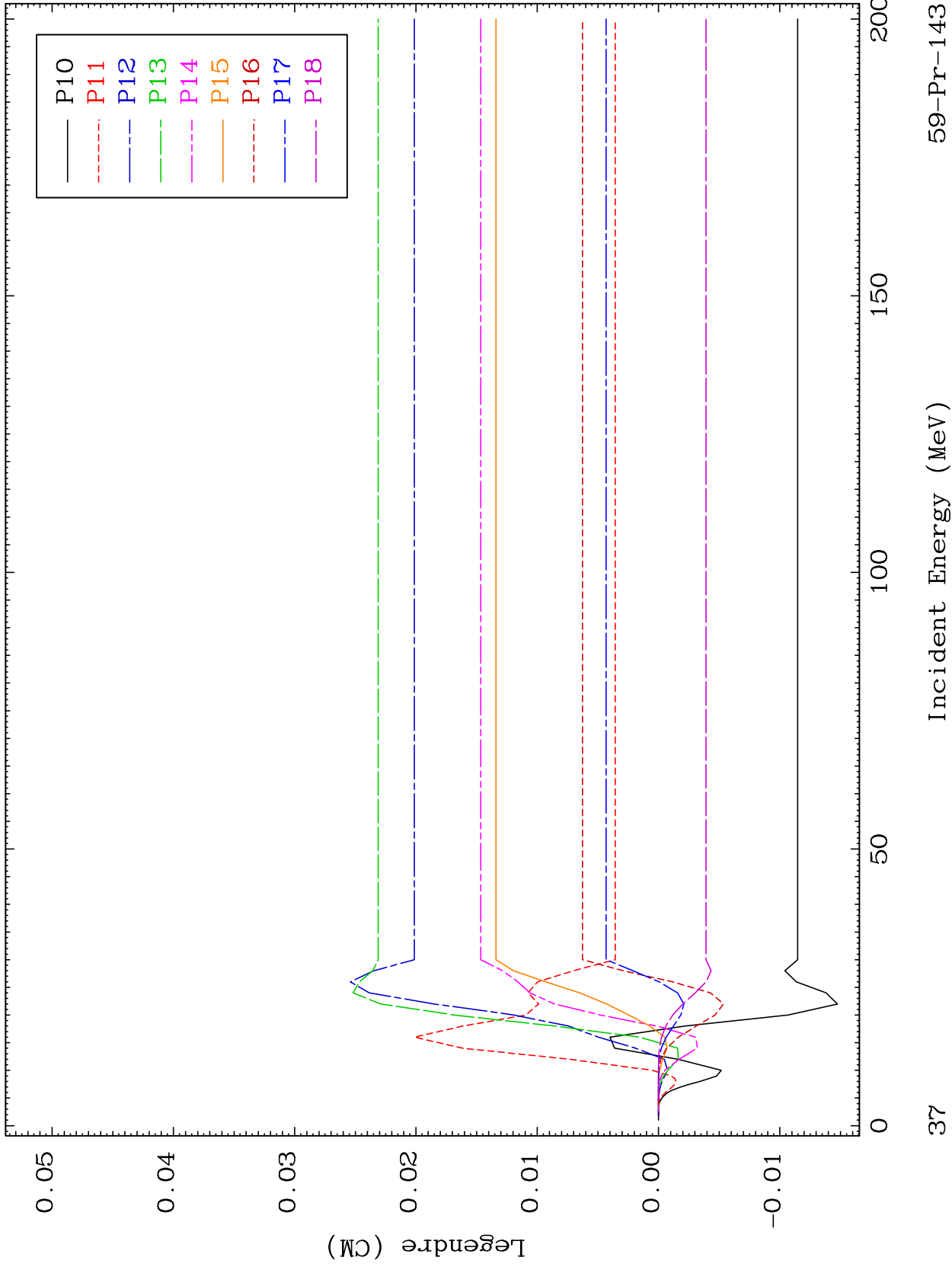
Incident Energy (MeV)

59-Pr-143

MAT 5931

614.2 keV (n,n') Level  
Legendre Coefficients

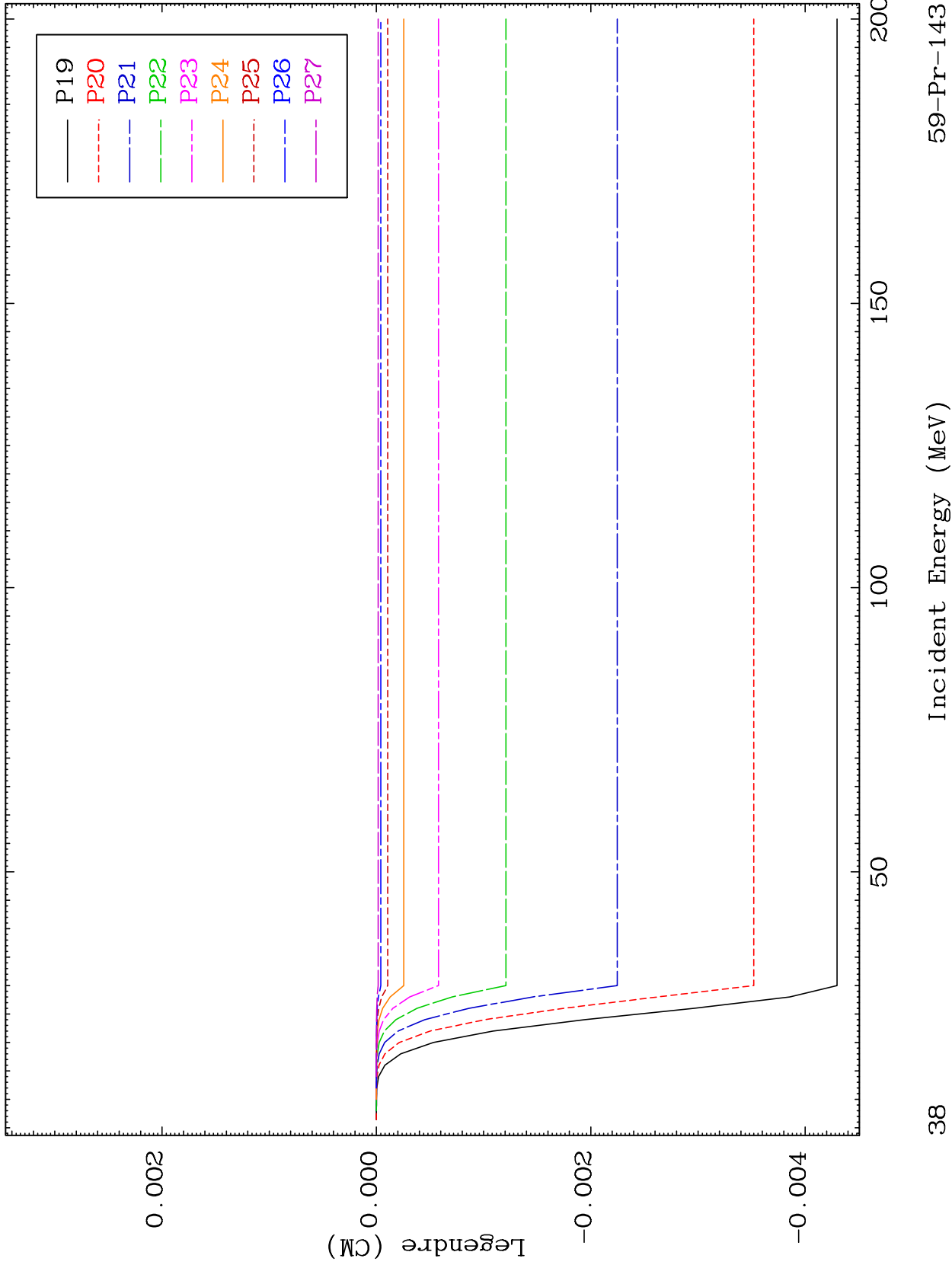
59-Pr-143

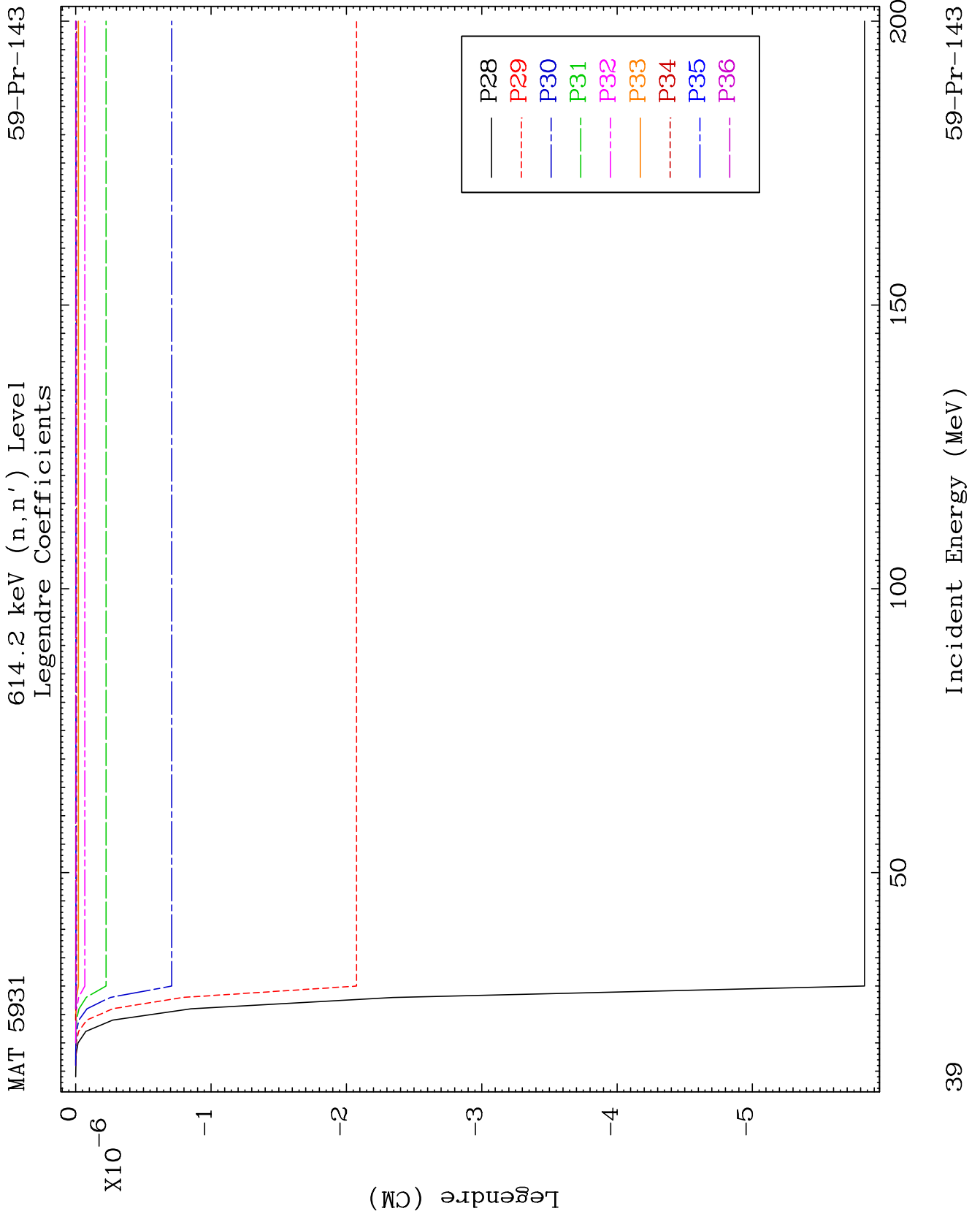


59-Pr-143

Incident Energy (MeV)

37





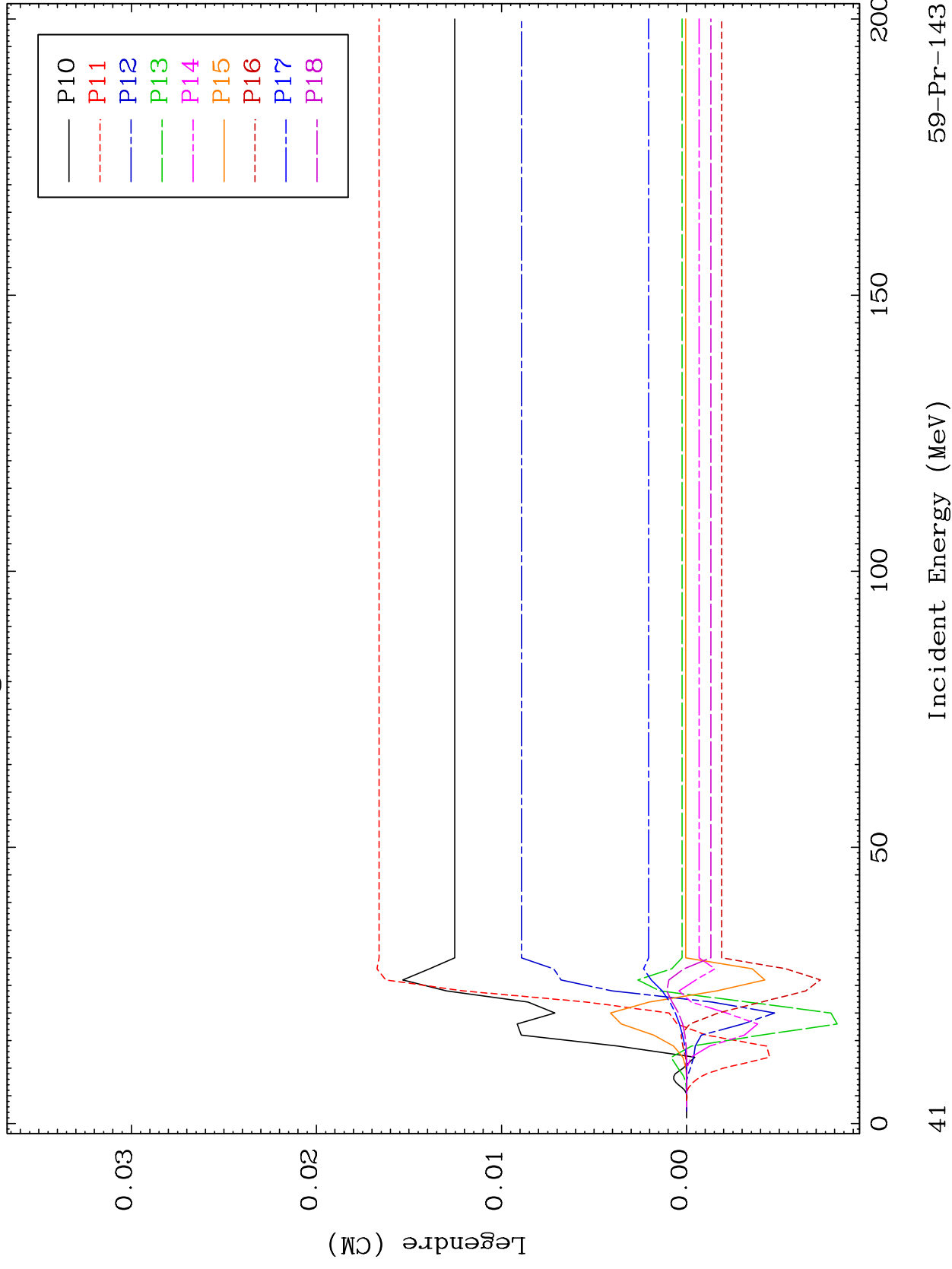




MAT 5931

721.9 keV (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

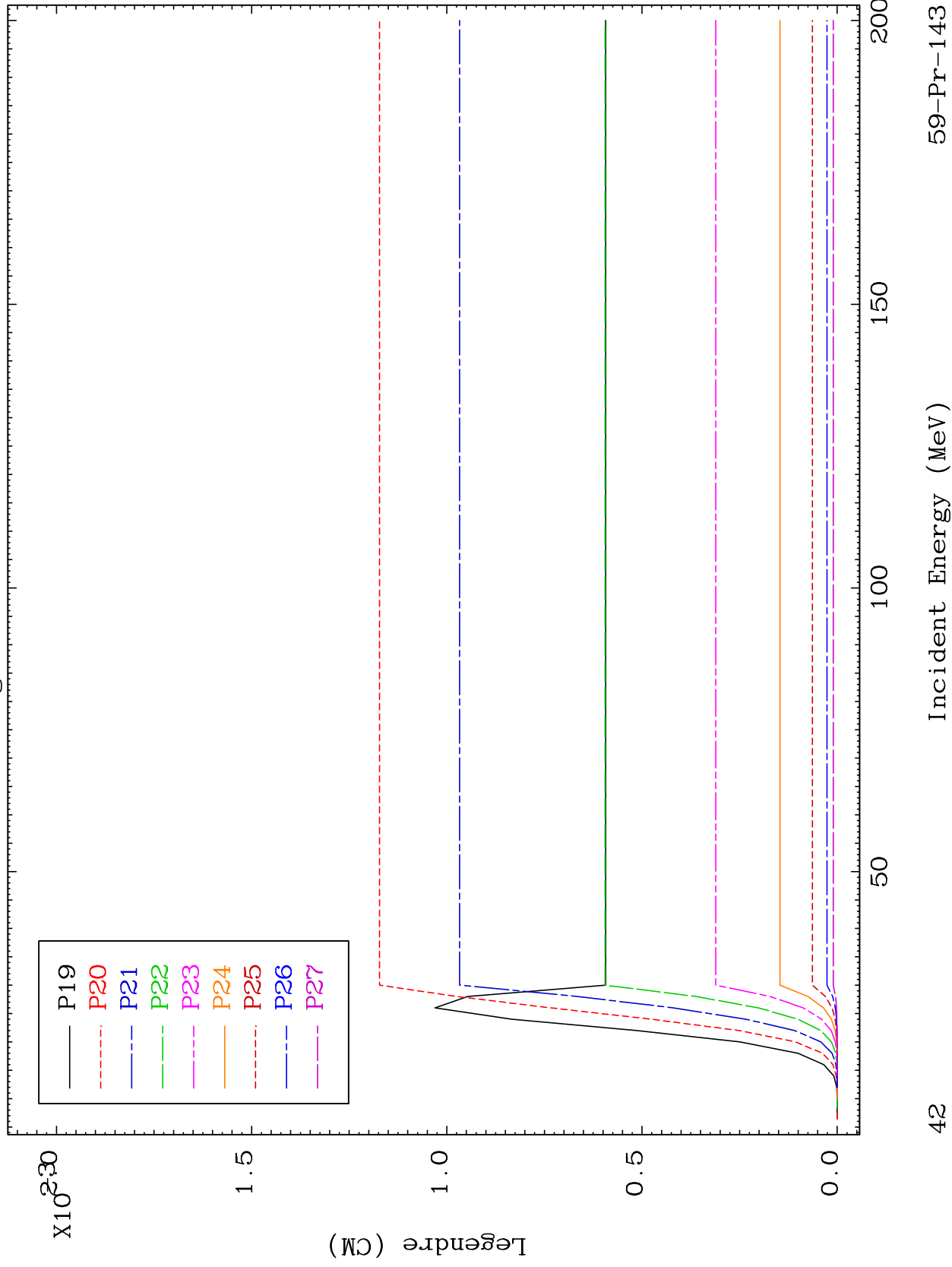
Incident Energy (MeV)

41

MAT 5931

721.9 keV (n,n') Level  
Legendre Coefficients

59-Pr-143



42

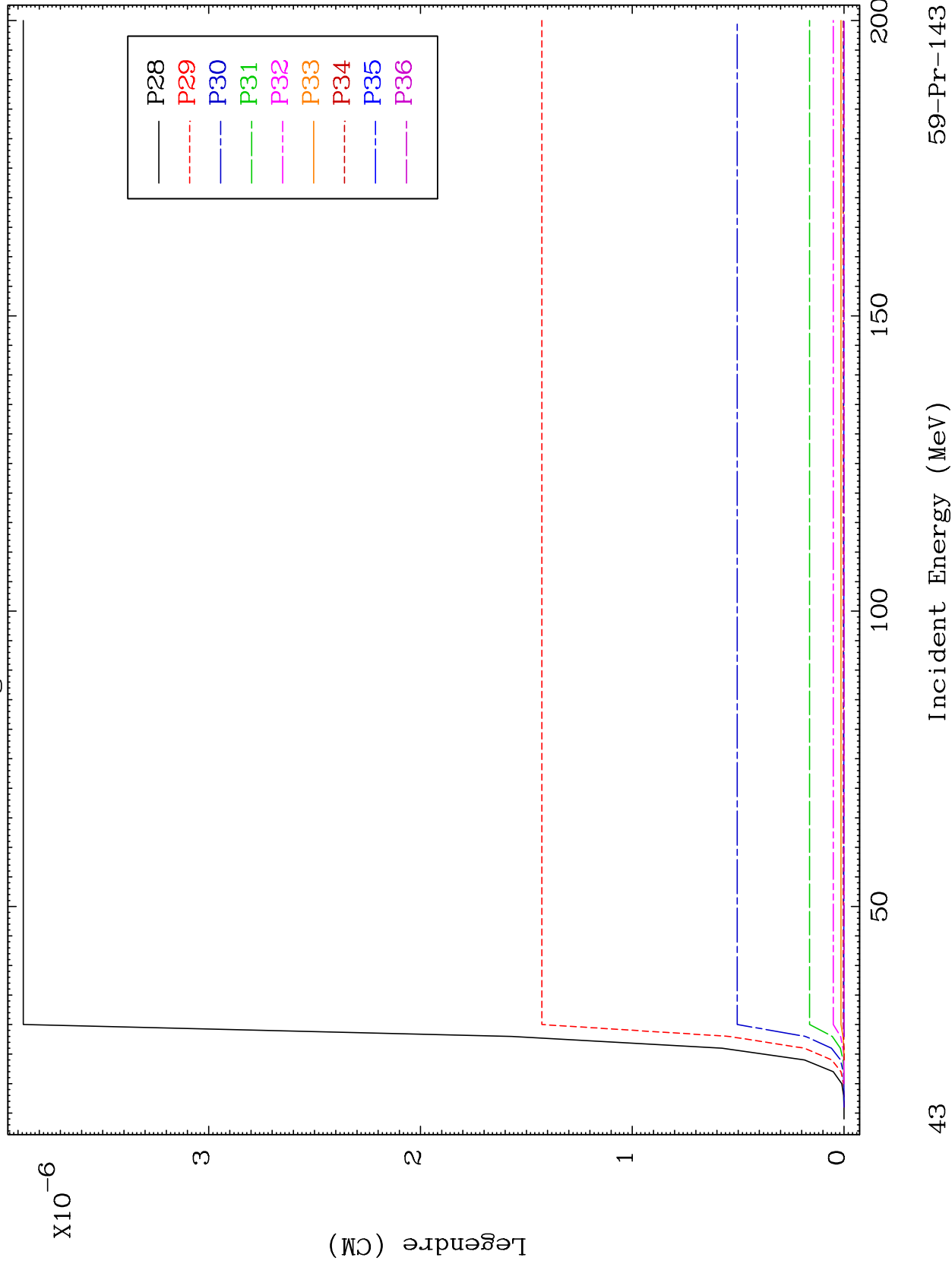
Incident Energy (MeV)

59-Pr-143

MAT 5931

721.9 keV (n,n') Level  
Legendre Coefficients

59-Pr-143



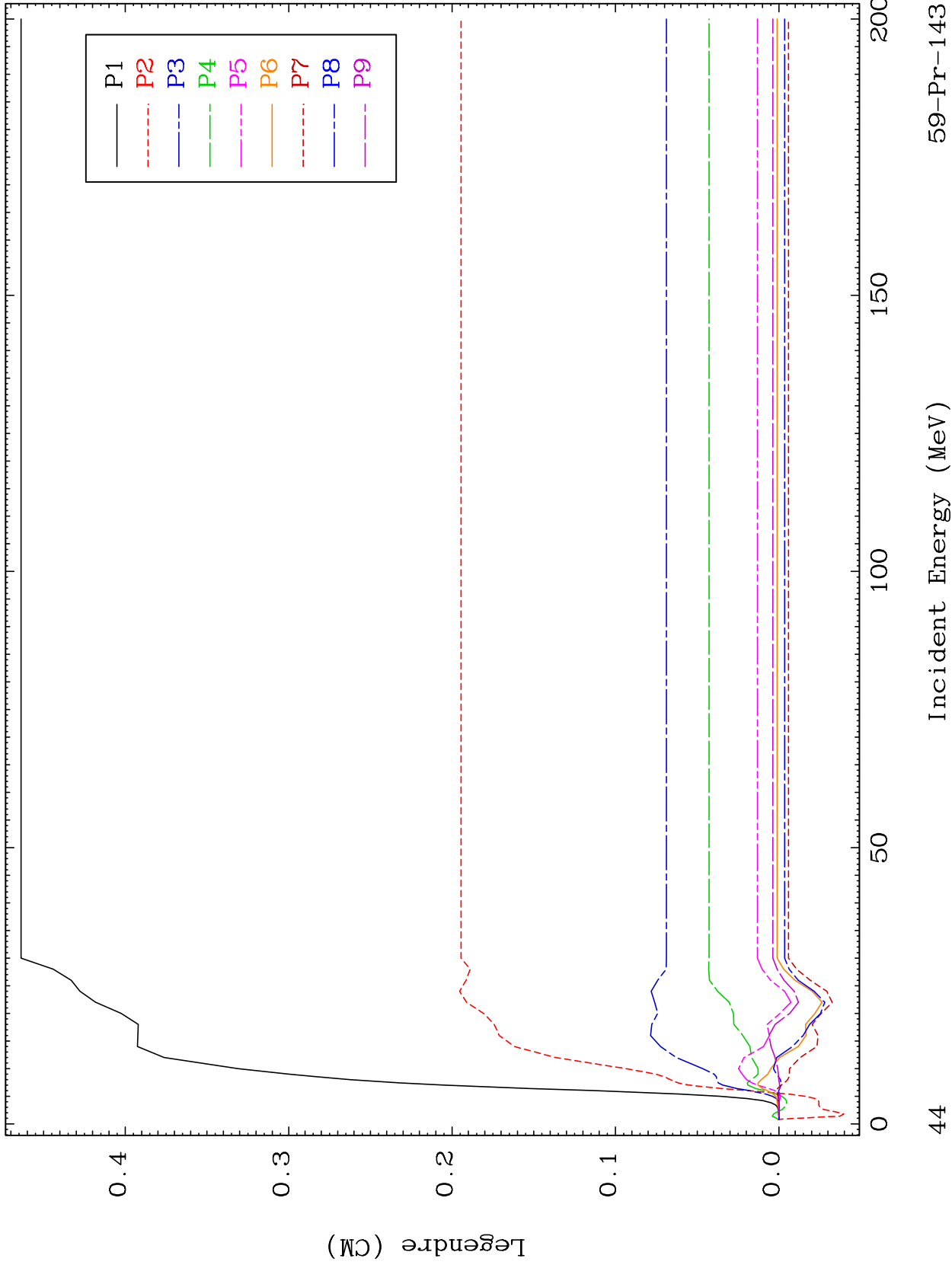
43

59-Pr-143

MAT 5931

740.3 keV (n,n') Level  
Legendre Coefficients

59-Pr-143



44

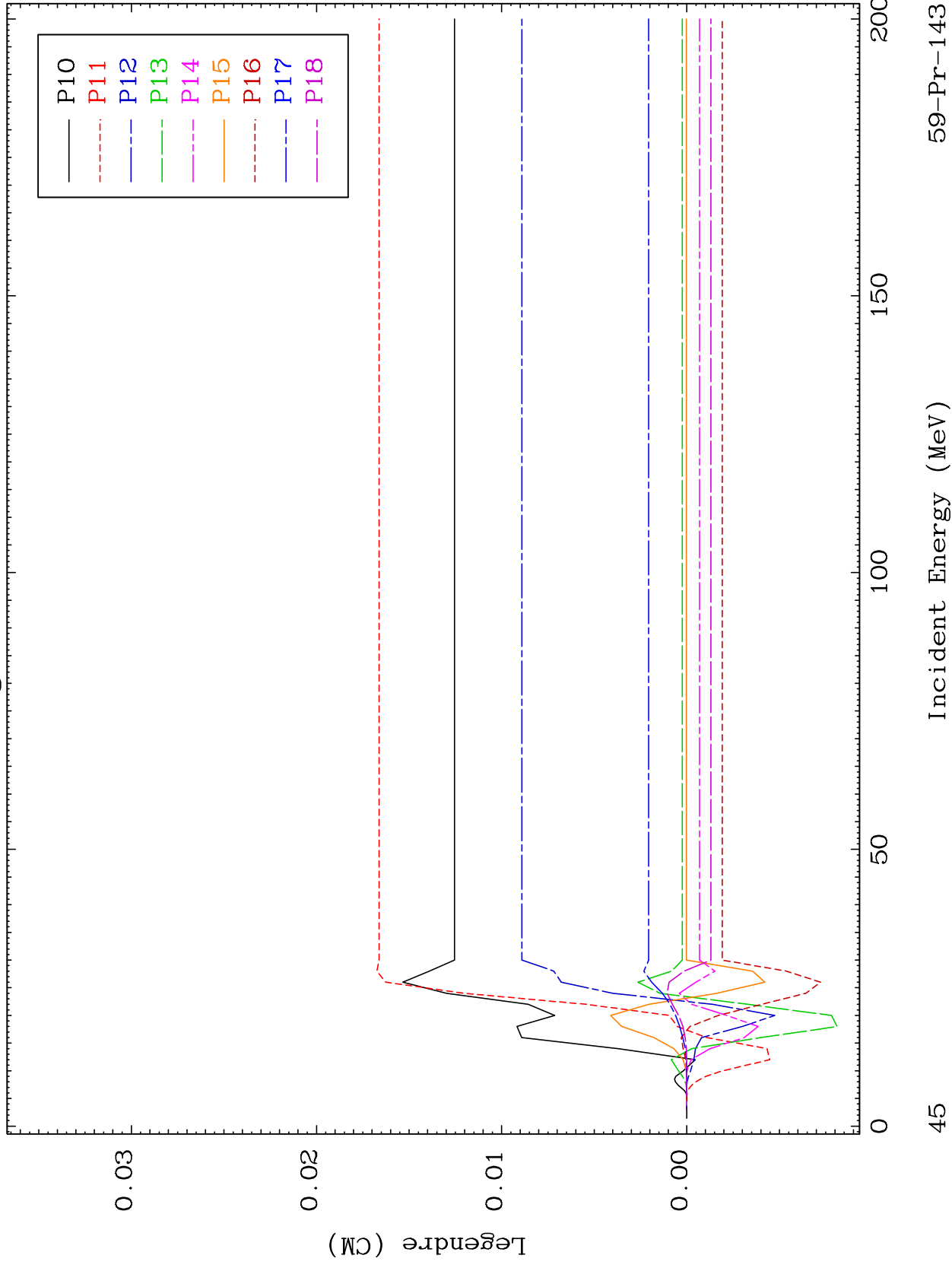
Incident Energy (MeV)

59-Pr-143

MAT 5931

740.3 keV (n,n') Level  
Legendre Coefficients

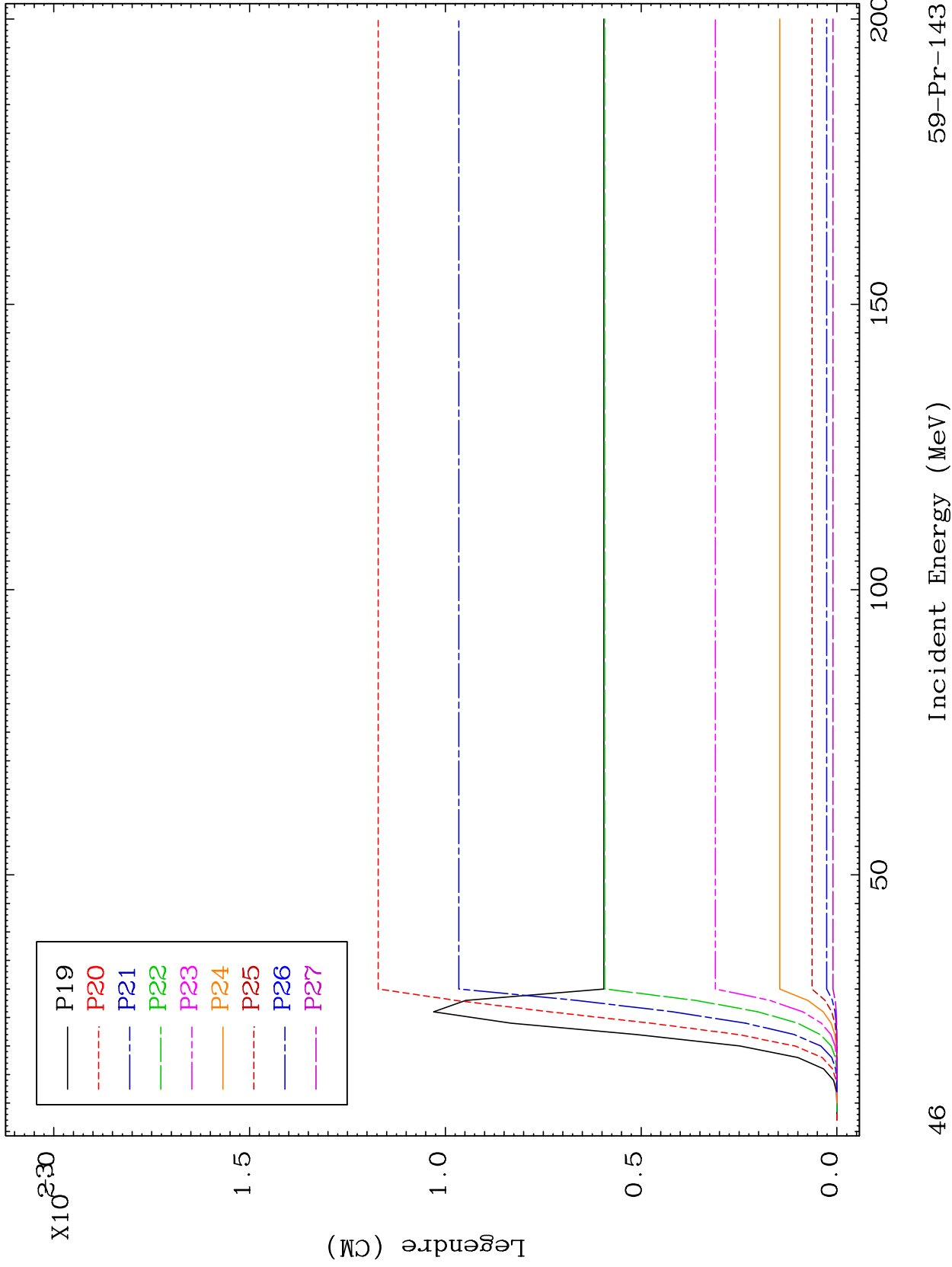
59-Pr-143



59-Pr-143

Incident Energy (MeV)

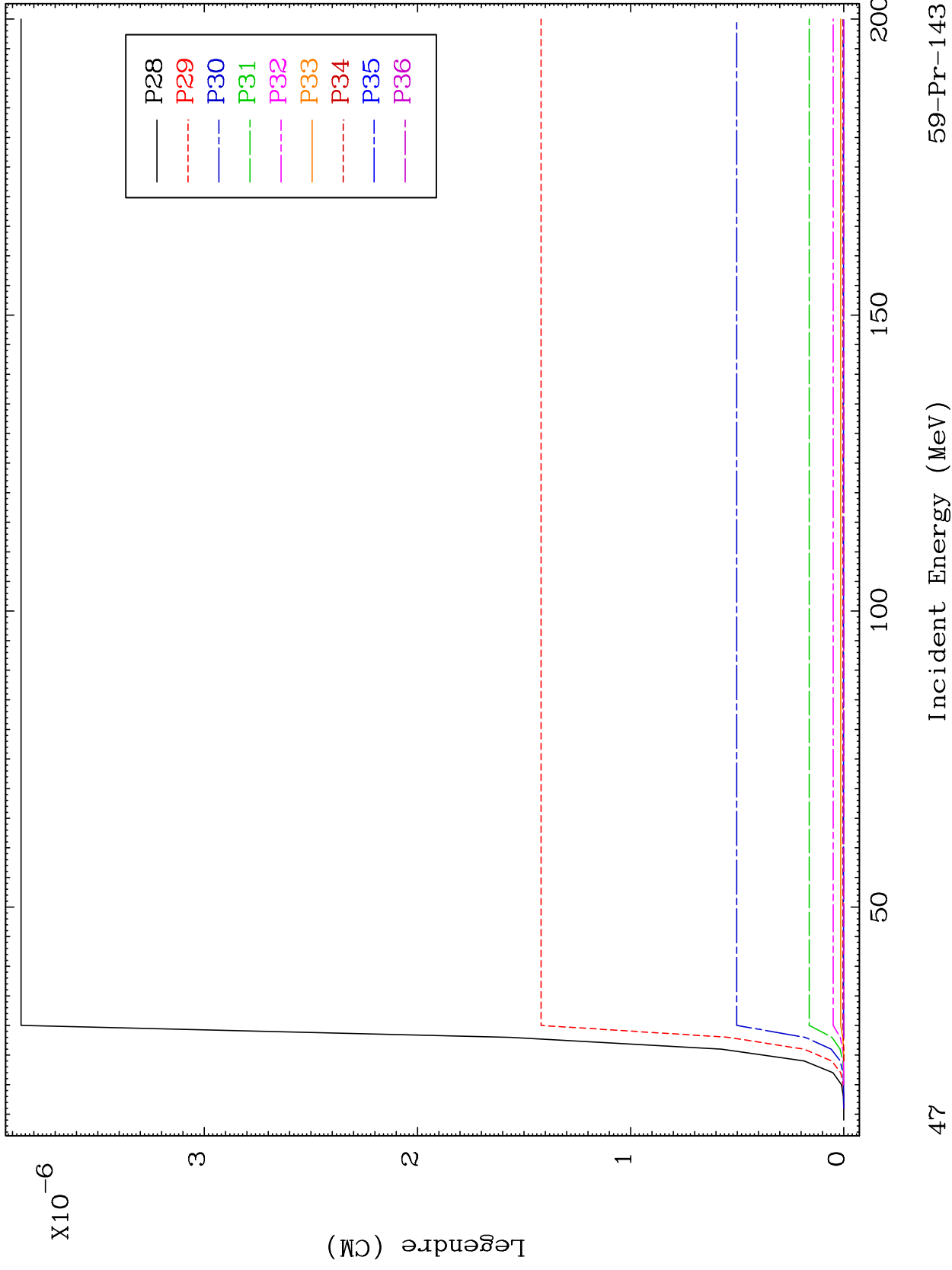
45



MAT 5931

740.3 keV (n,n') Level  
Legendre Coefficients

59-Pr-143

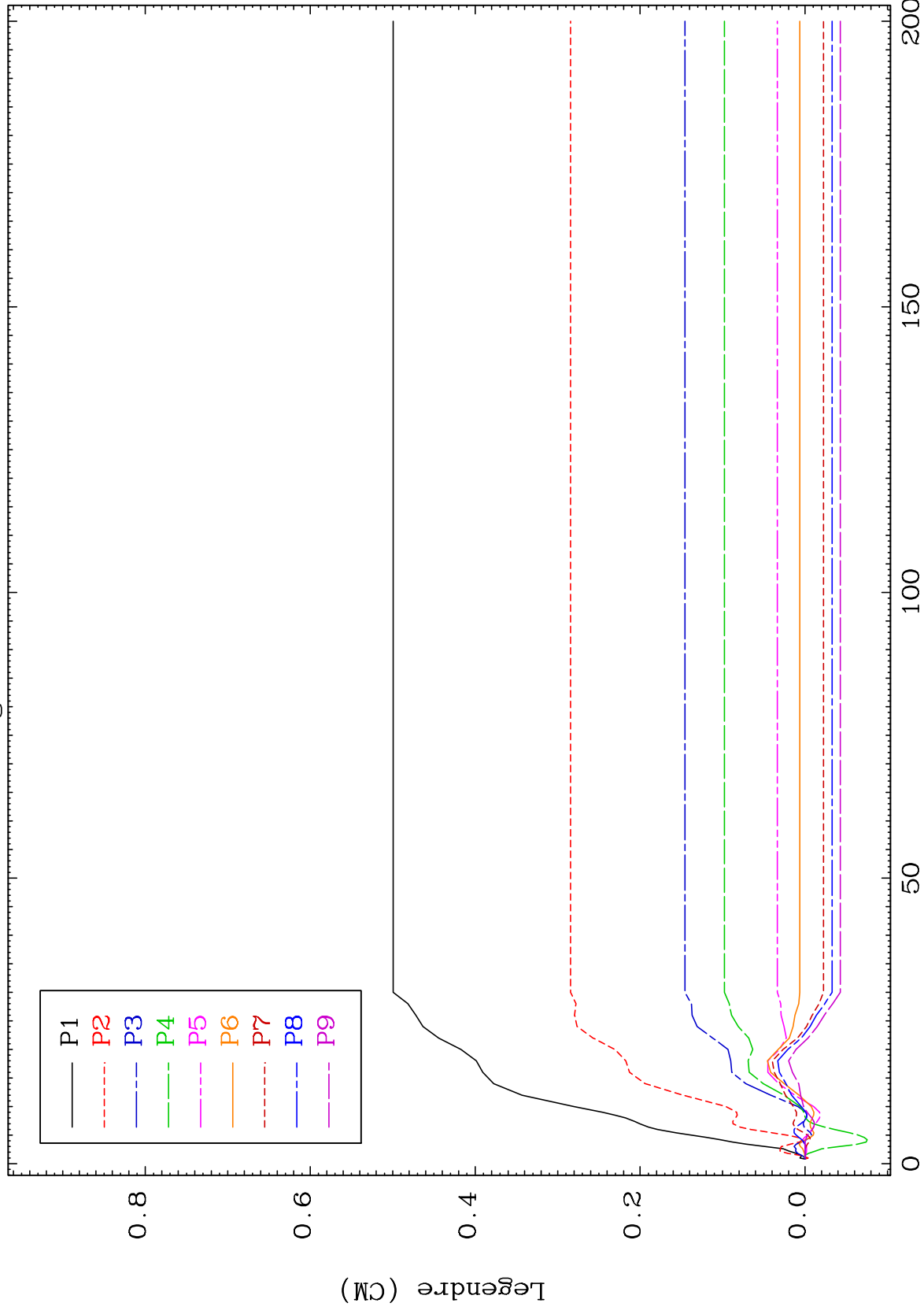




MAT 5931

787.3 keV (n,n') Level  
Legendre Coefficients

59-Pr-143



48

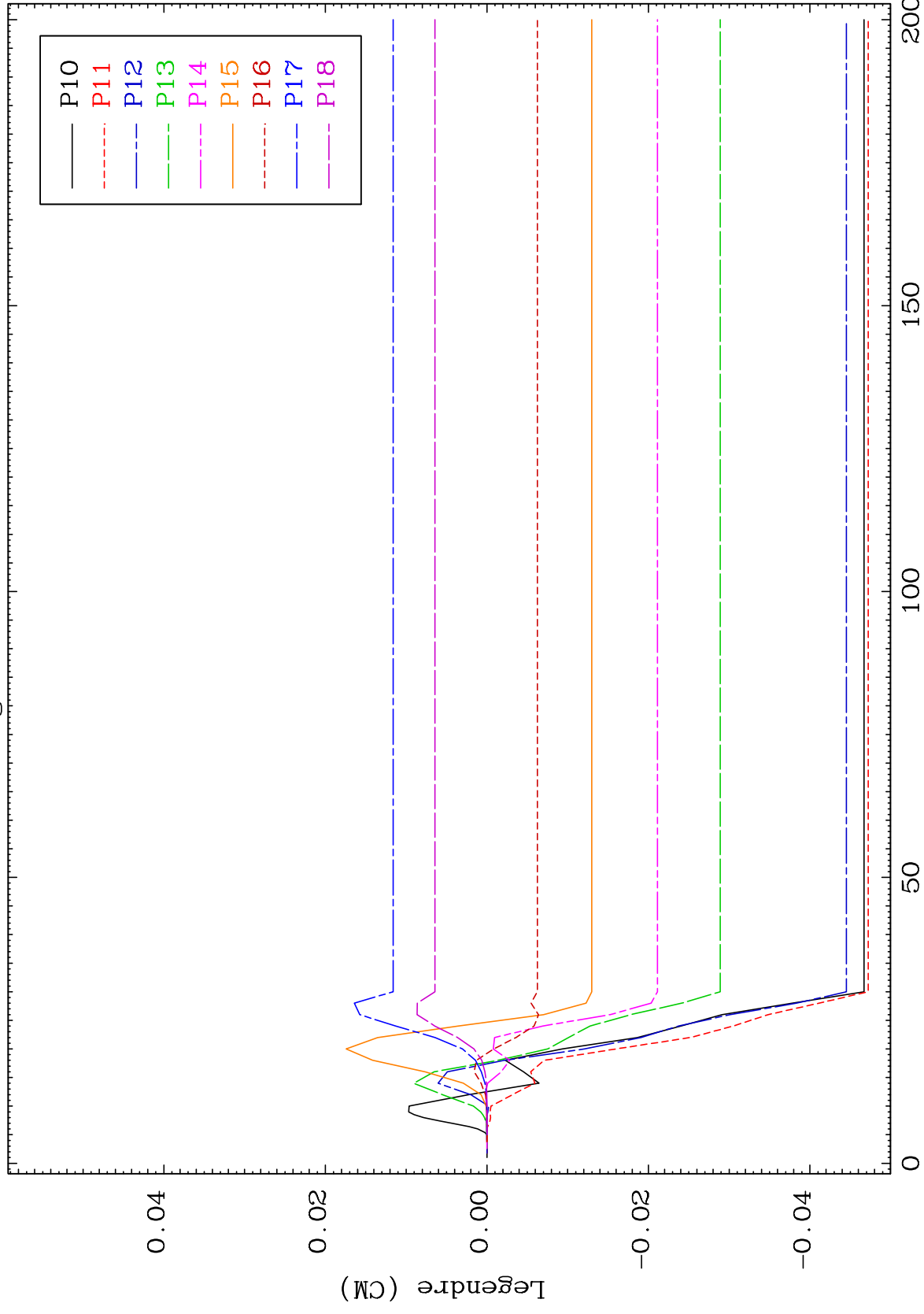
Incident Energy (MeV)

59-Pr-143

MAT 5931

787.3 keV (n,n') Level  
Legendre Coefficients

59-Pr-143



49

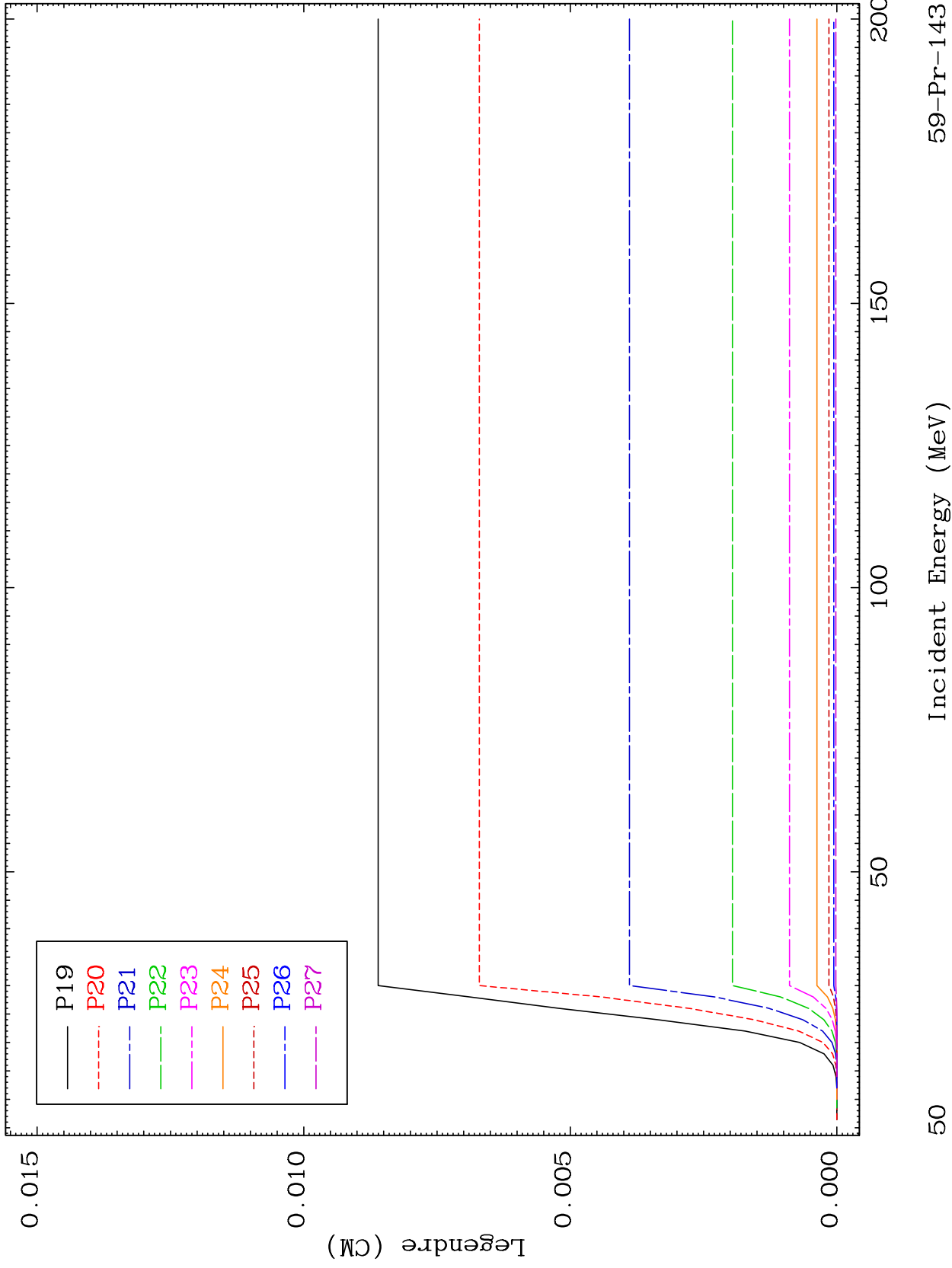
Incident Energy (MeV)

59-Pr-143

MAT 5931

787.3 keV (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

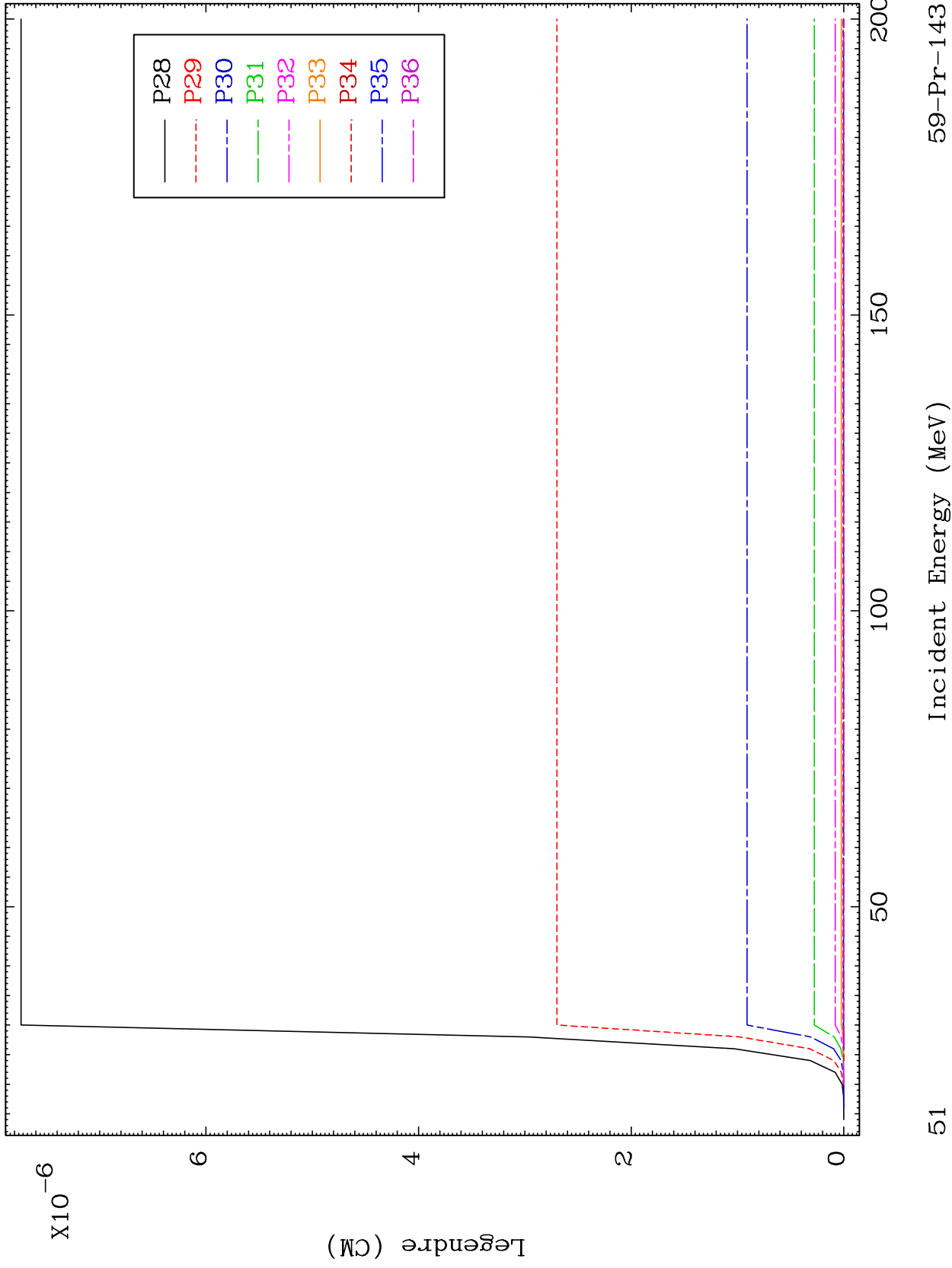
Incident Energy (MeV)

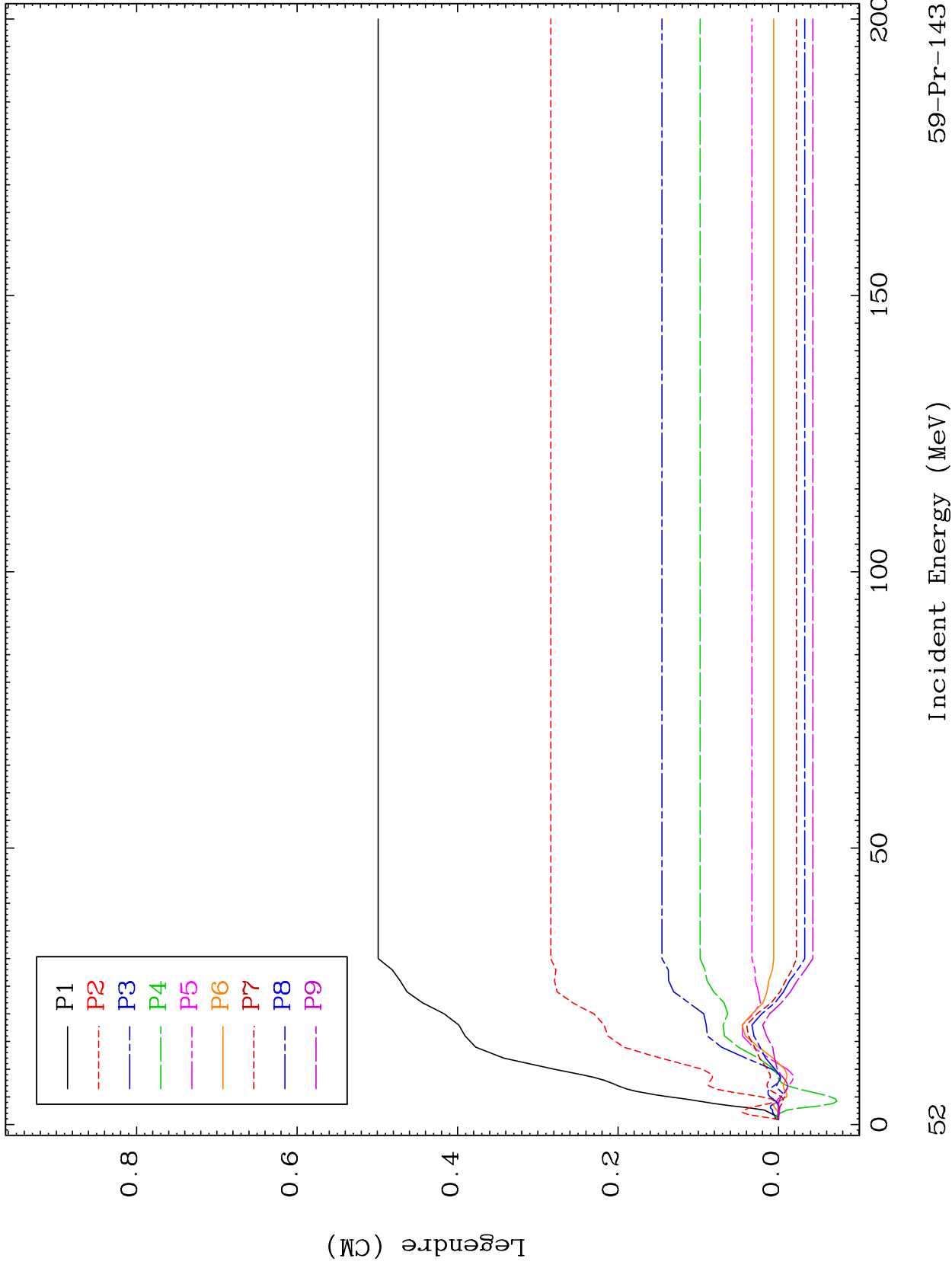
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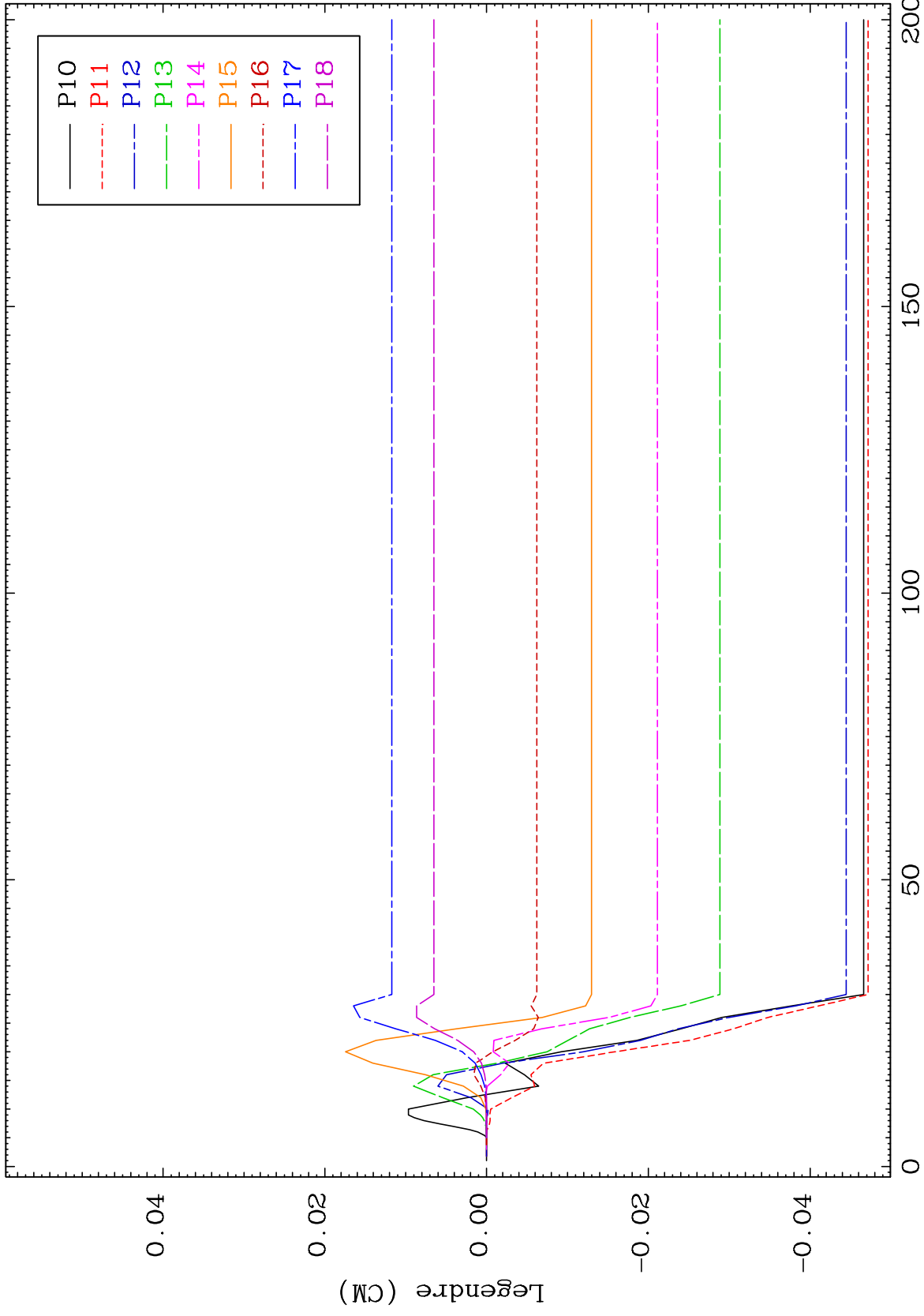
MAT 5931

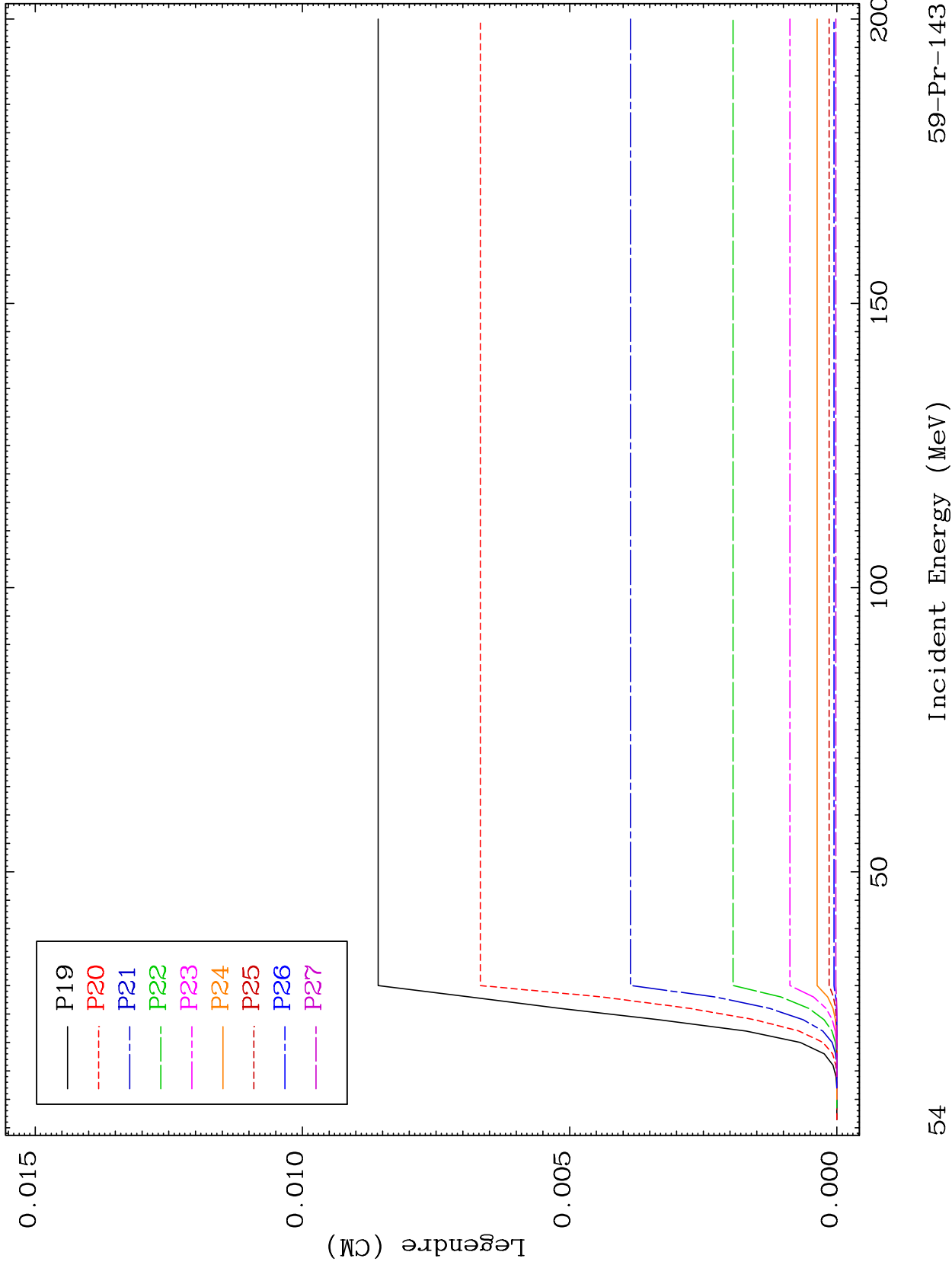
787.3 keV (n,n') Level  
Legendre Coefficients

59-Pr-143





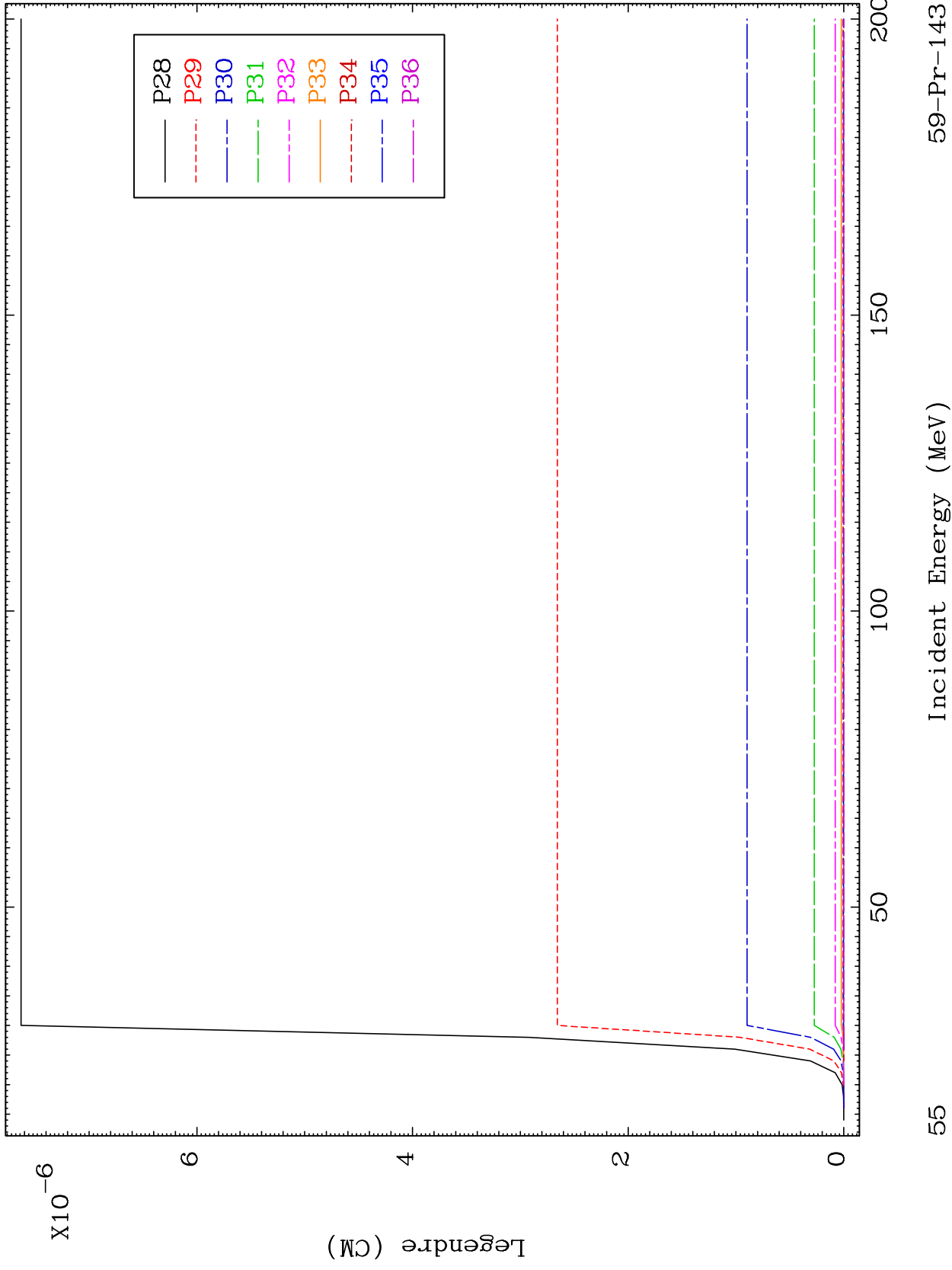




MAT 5931

848.4 keV (n,n') Level  
Legendre Coefficients

59-Pr-143

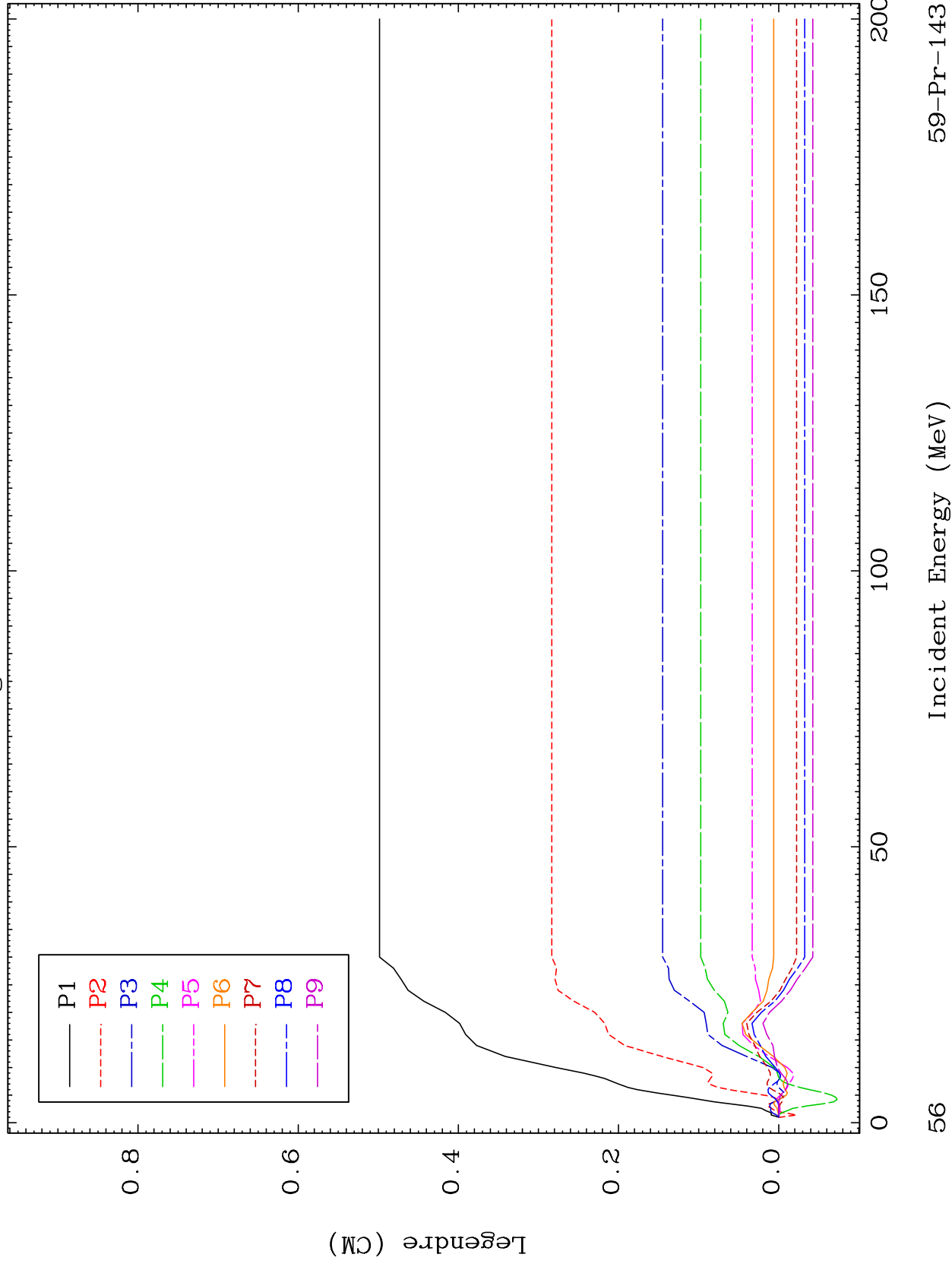




MAT 5931

937.8 keV (n,n') Level  
Legendre Coefficients

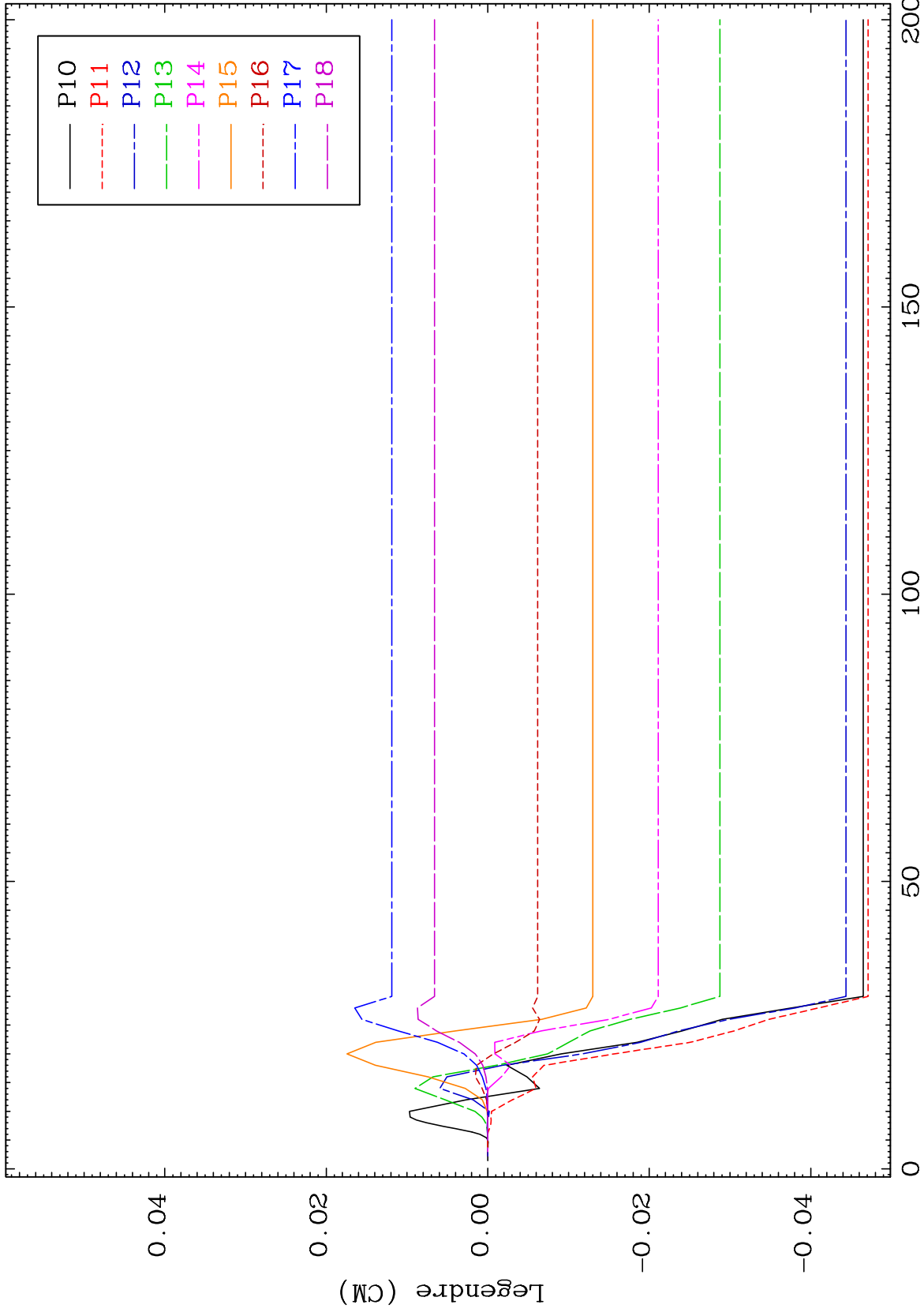
59-Pr-143

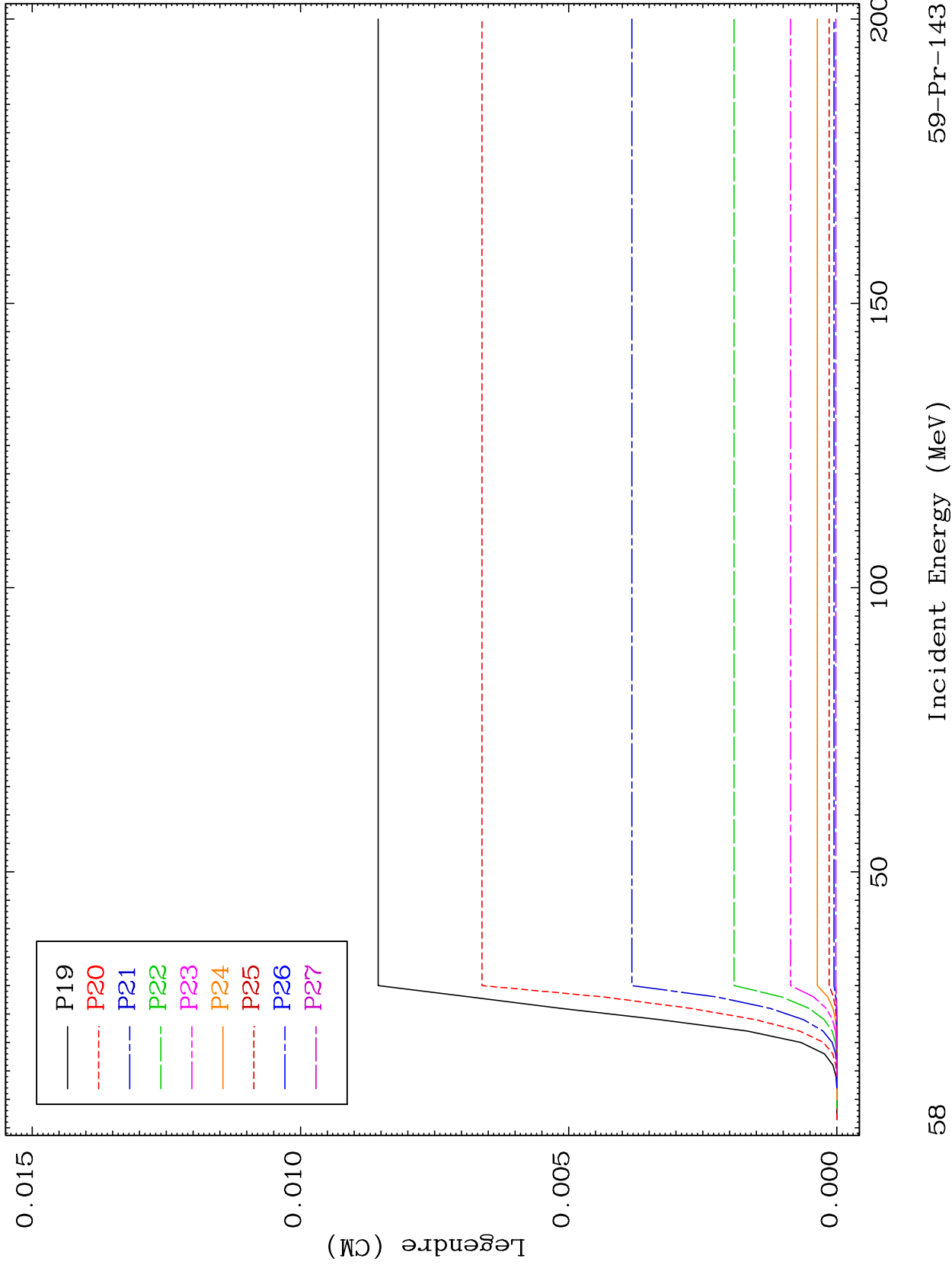


59-Pr-143

Incident Energy (MeV)

56

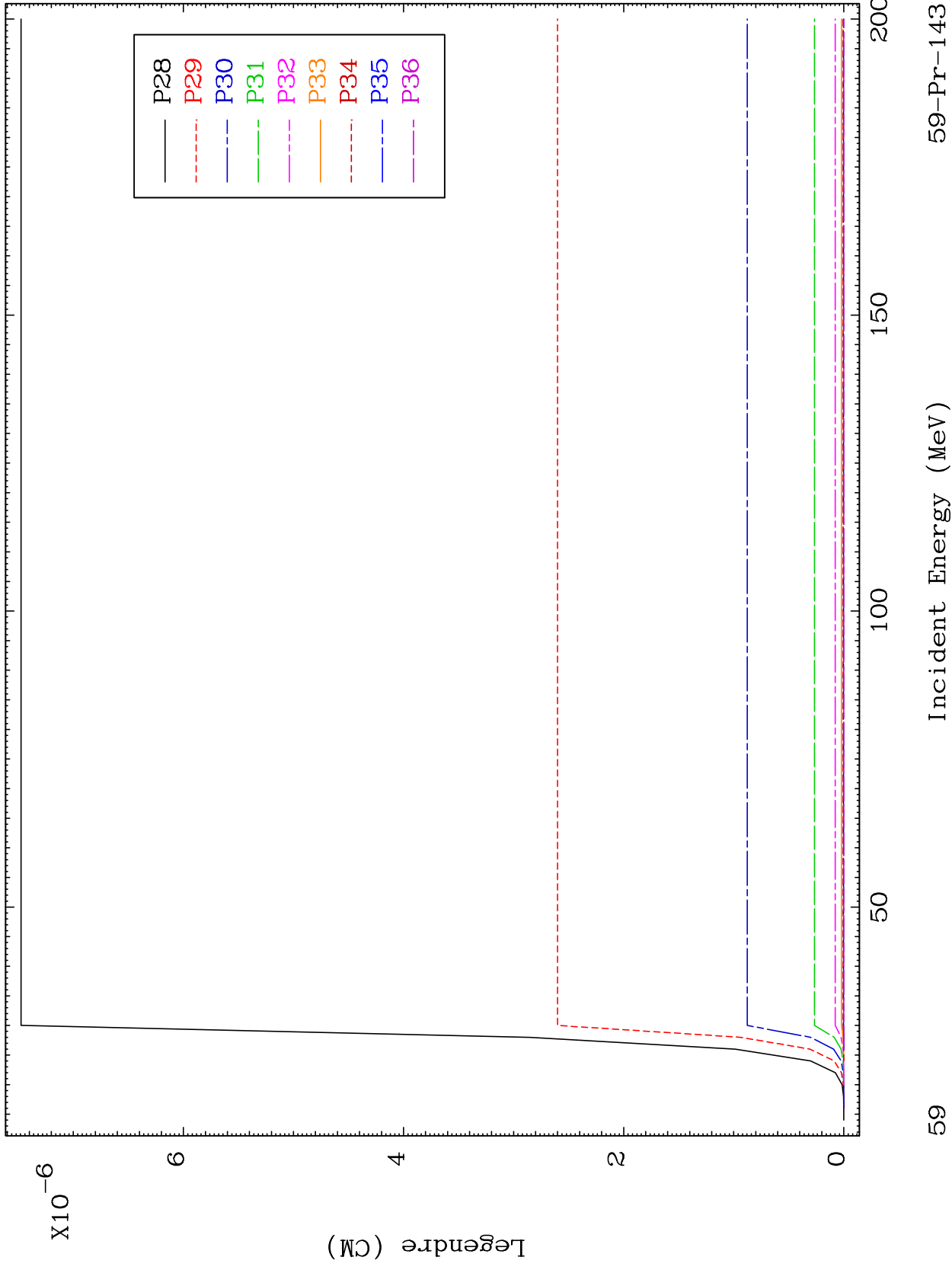




MAT 5931

937.8 keV (n, n') Level  
Legendre Coefficients

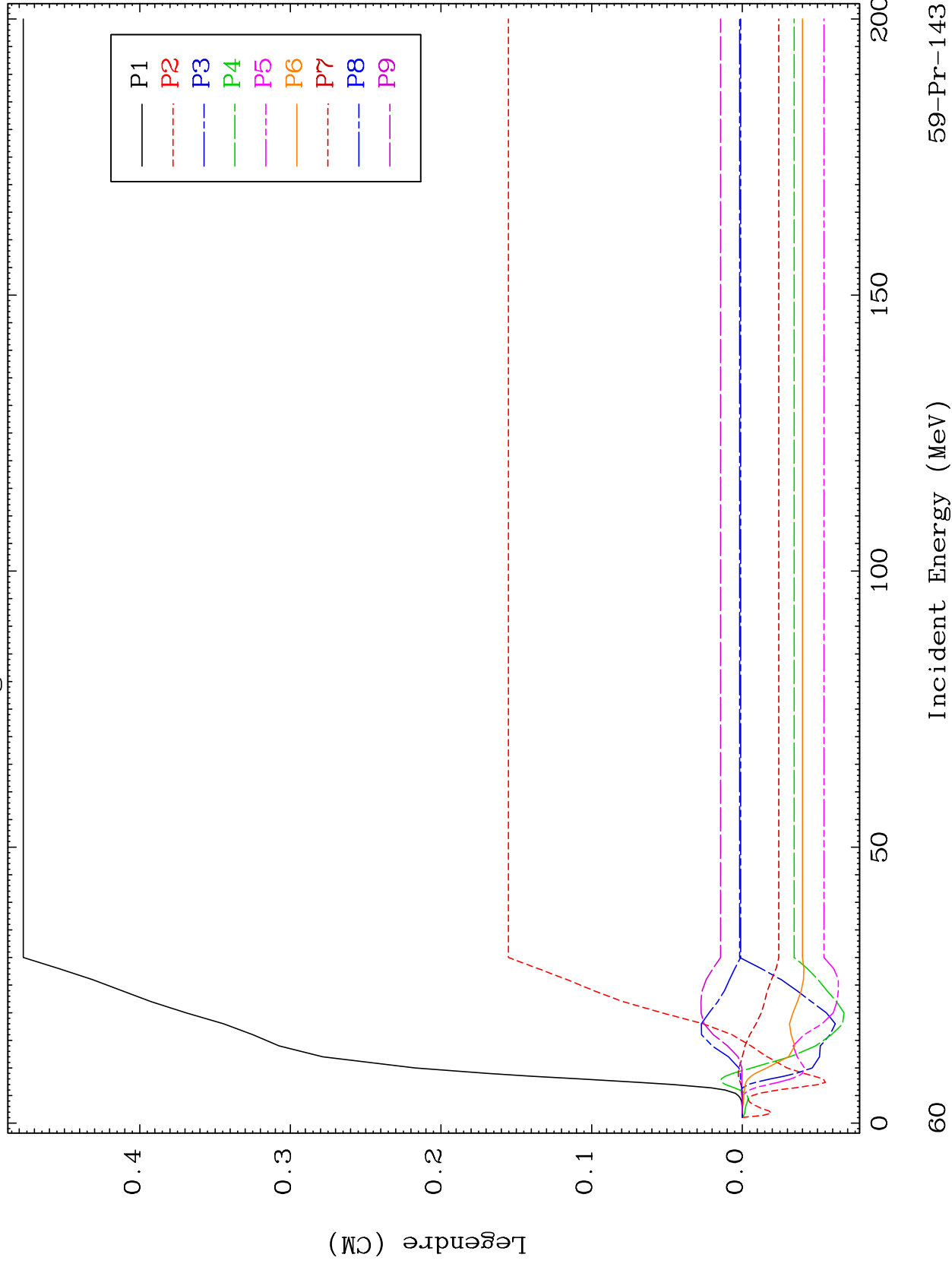
59-Pr-143



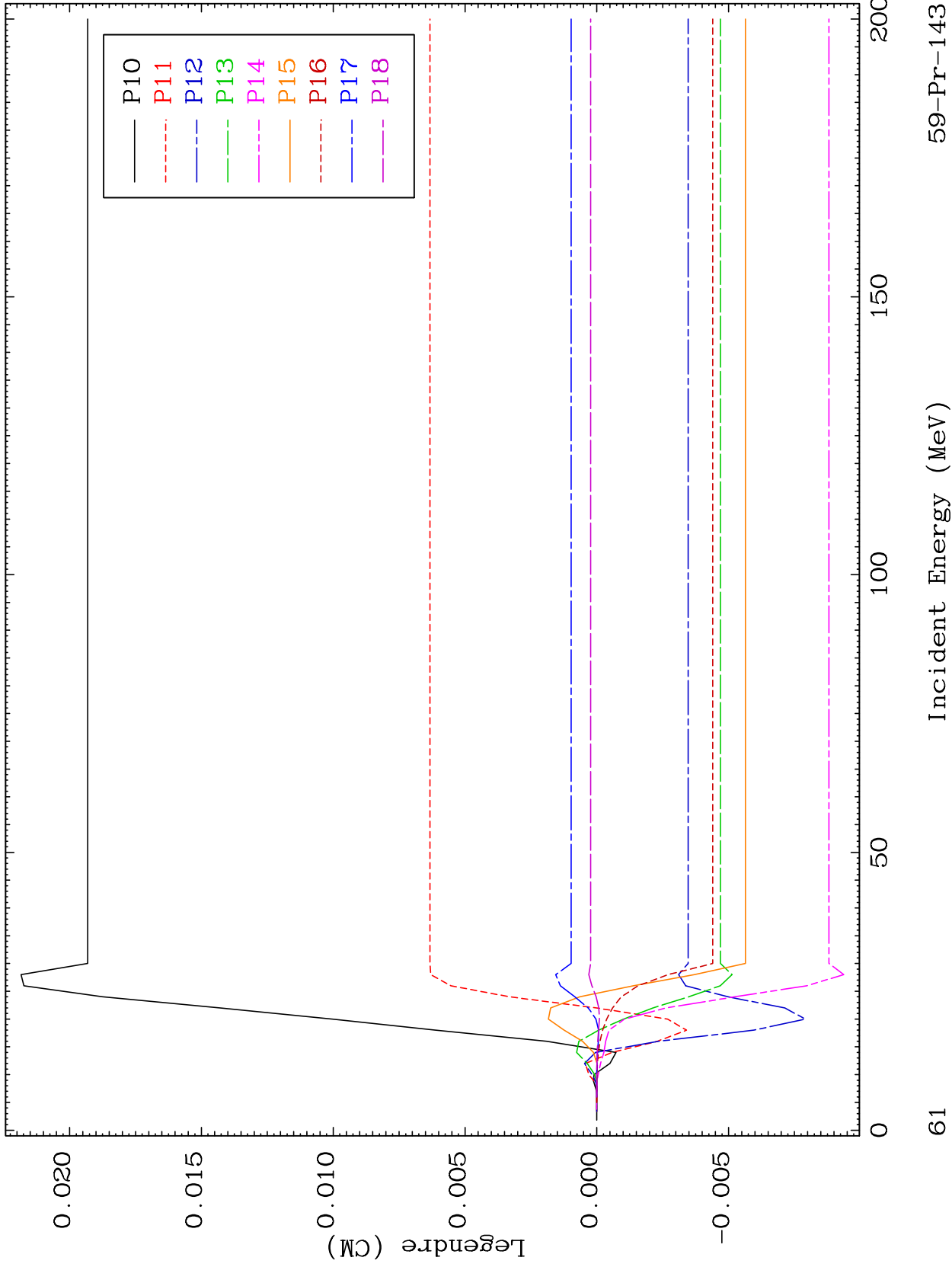
MAT 5931

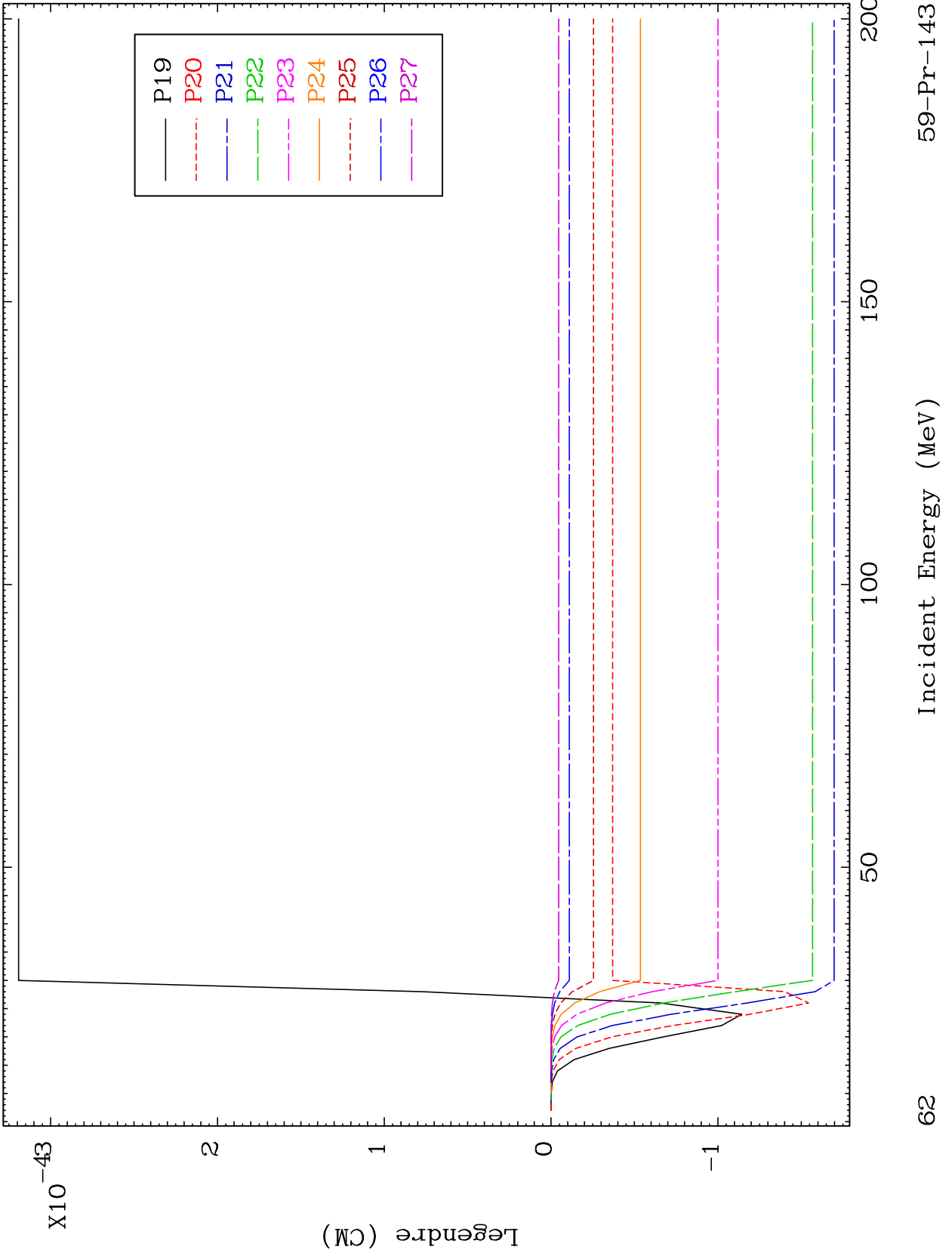
1.014 MeV (n,n') Level  
Legendre Coefficients

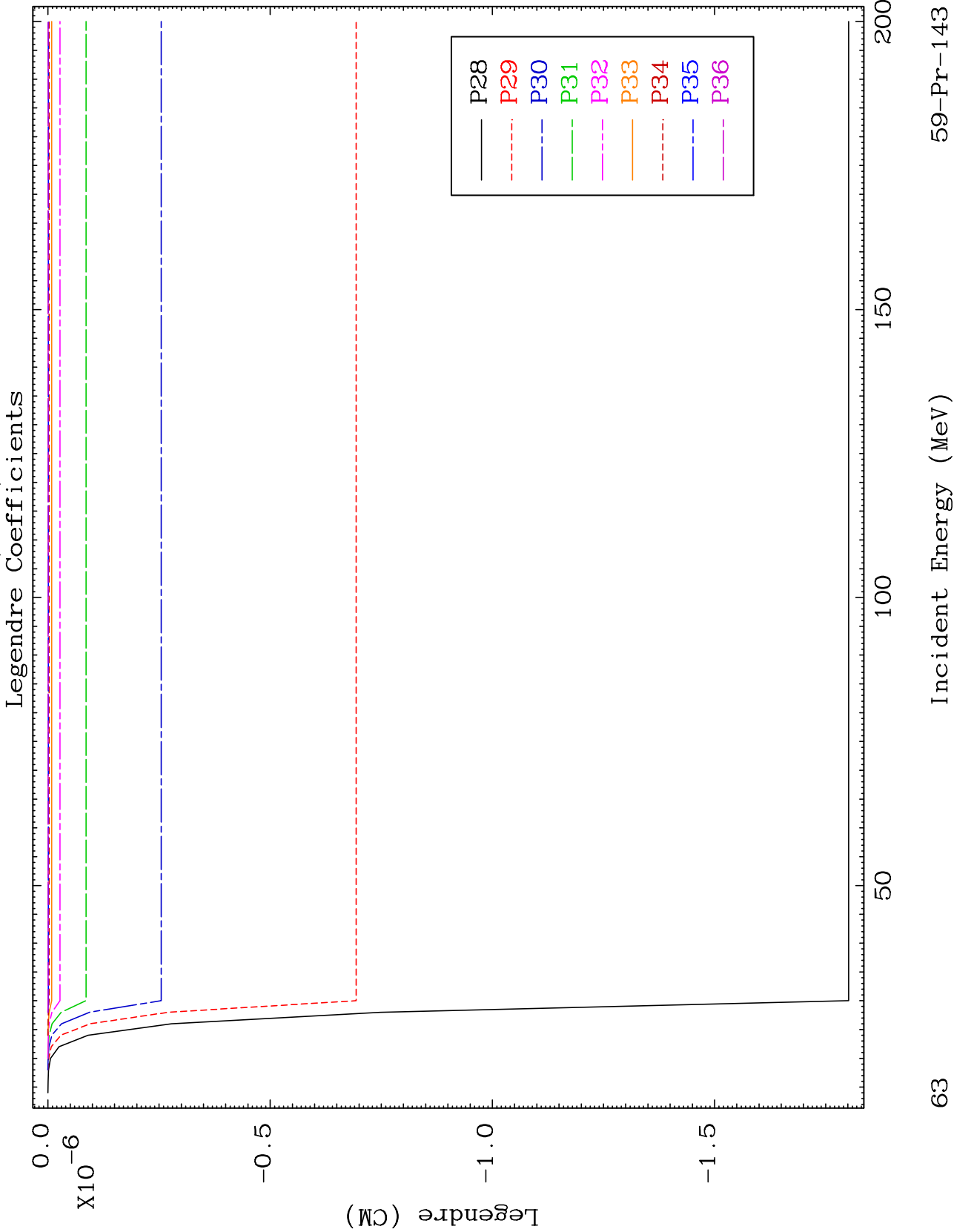
59-Pr-143



59-Pr-143





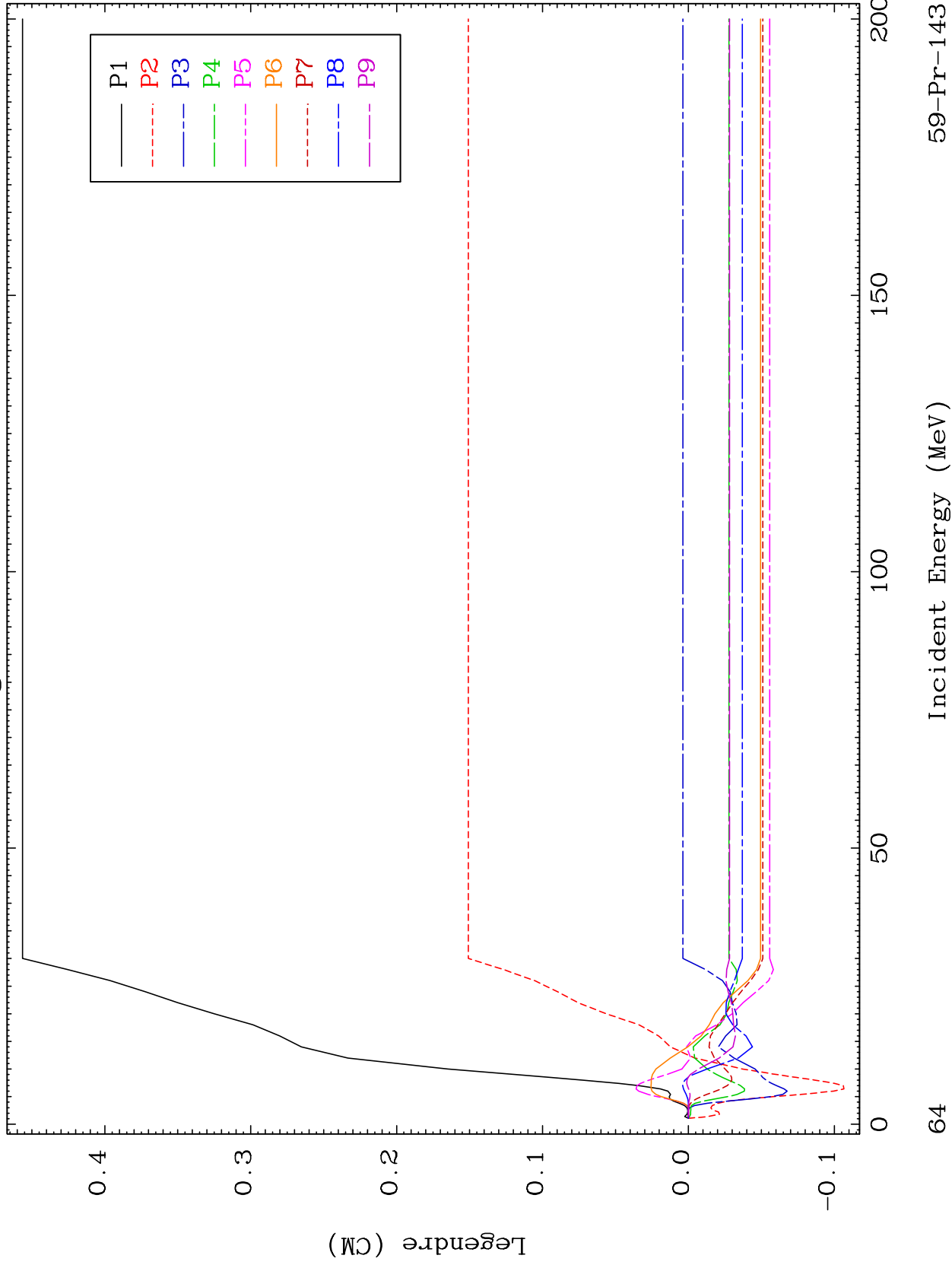




MAT 5931

1.060 MeV (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

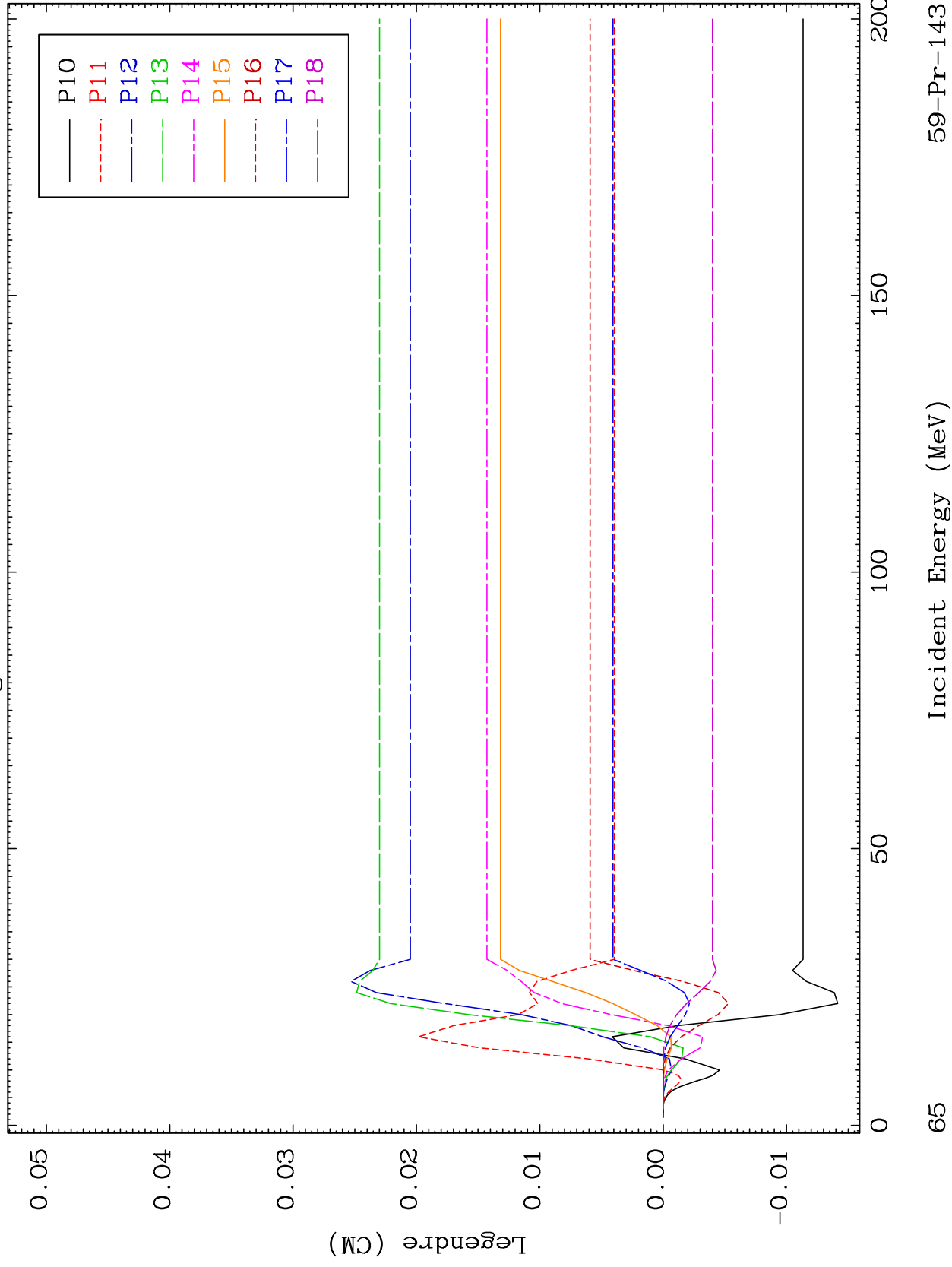
Incident Energy (MeV)

64

MAT 5931

1.060 MeV (n,n') Level  
Legendre Coefficients

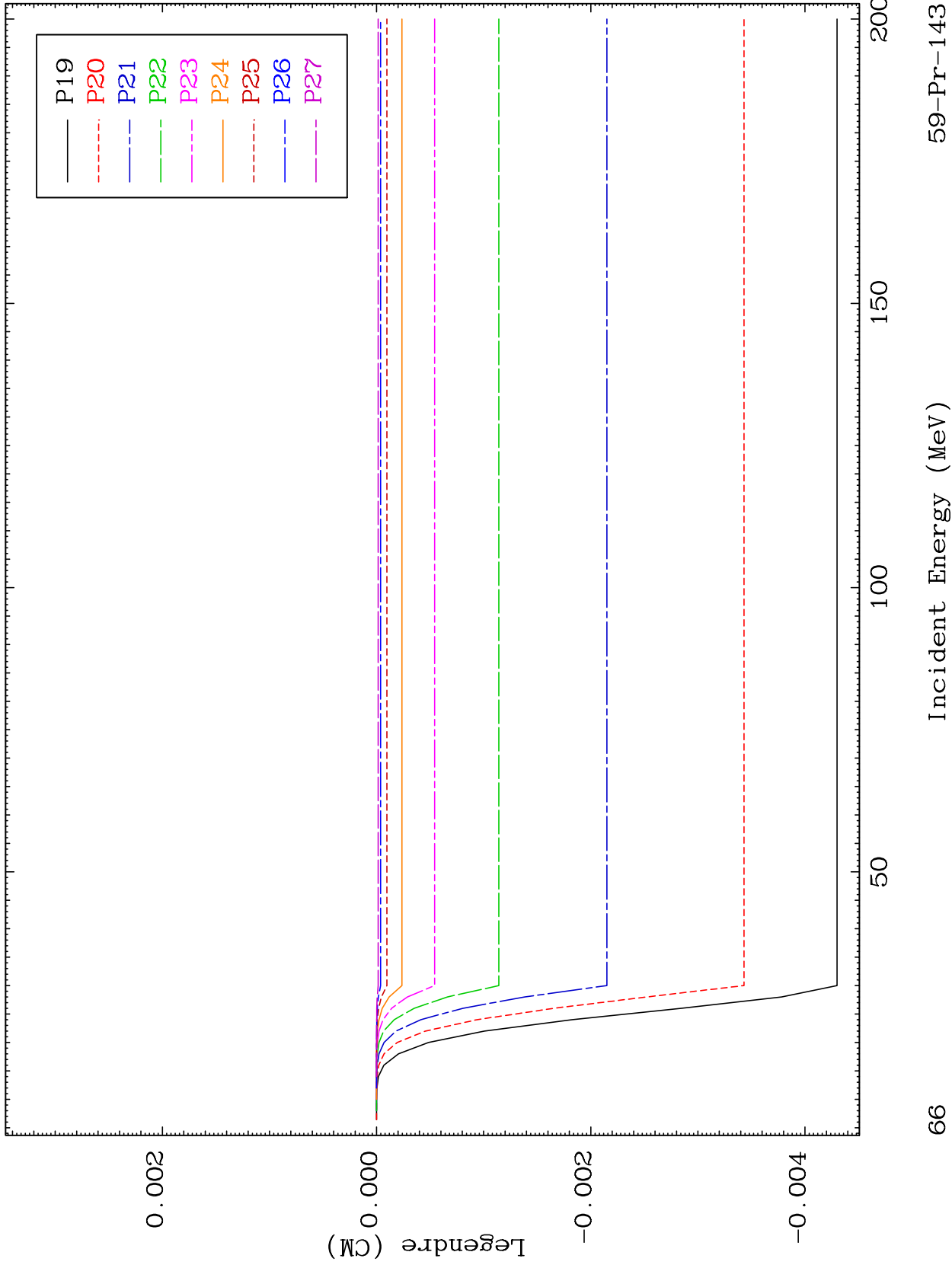
59-Pr-143



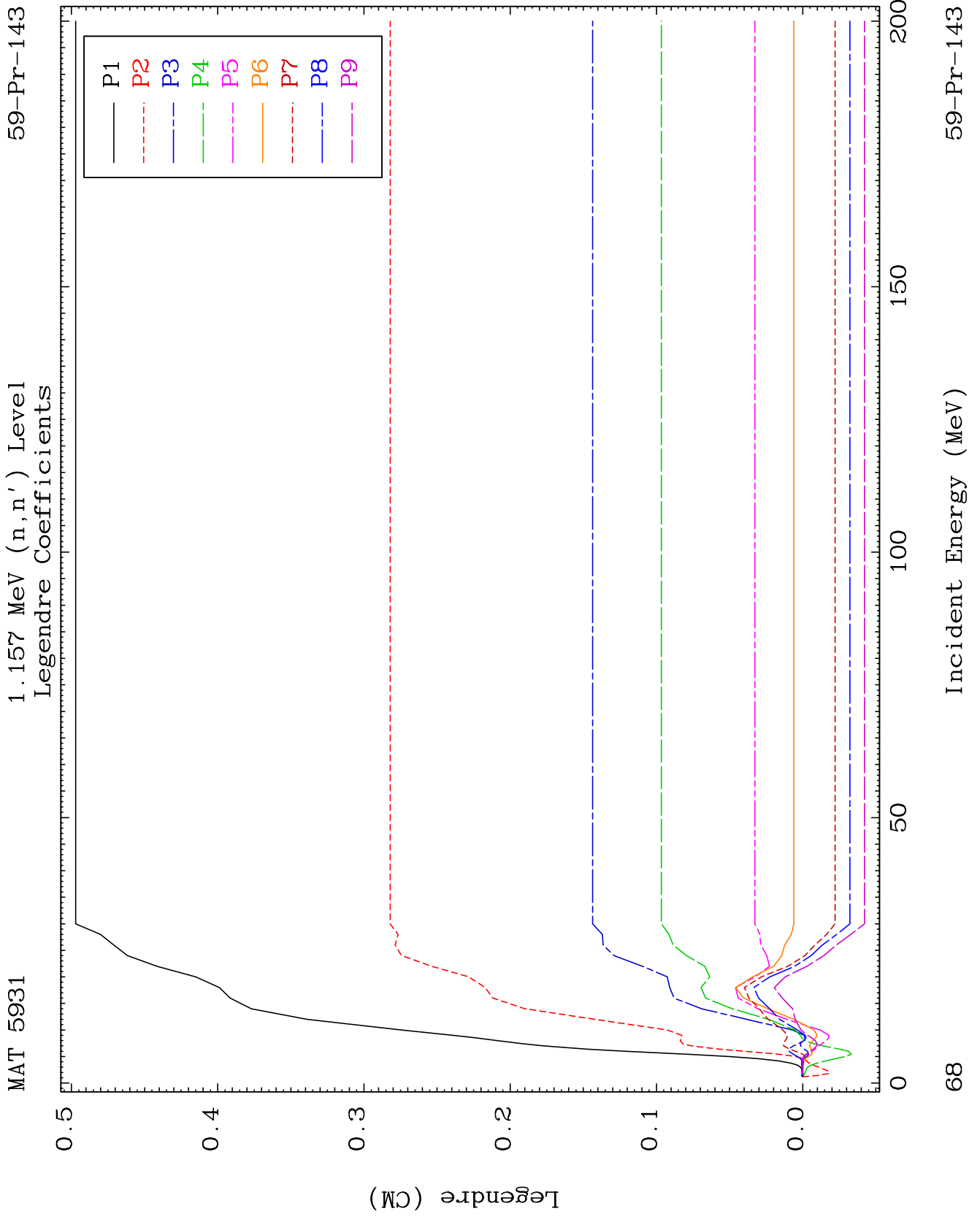
59-Pr-143

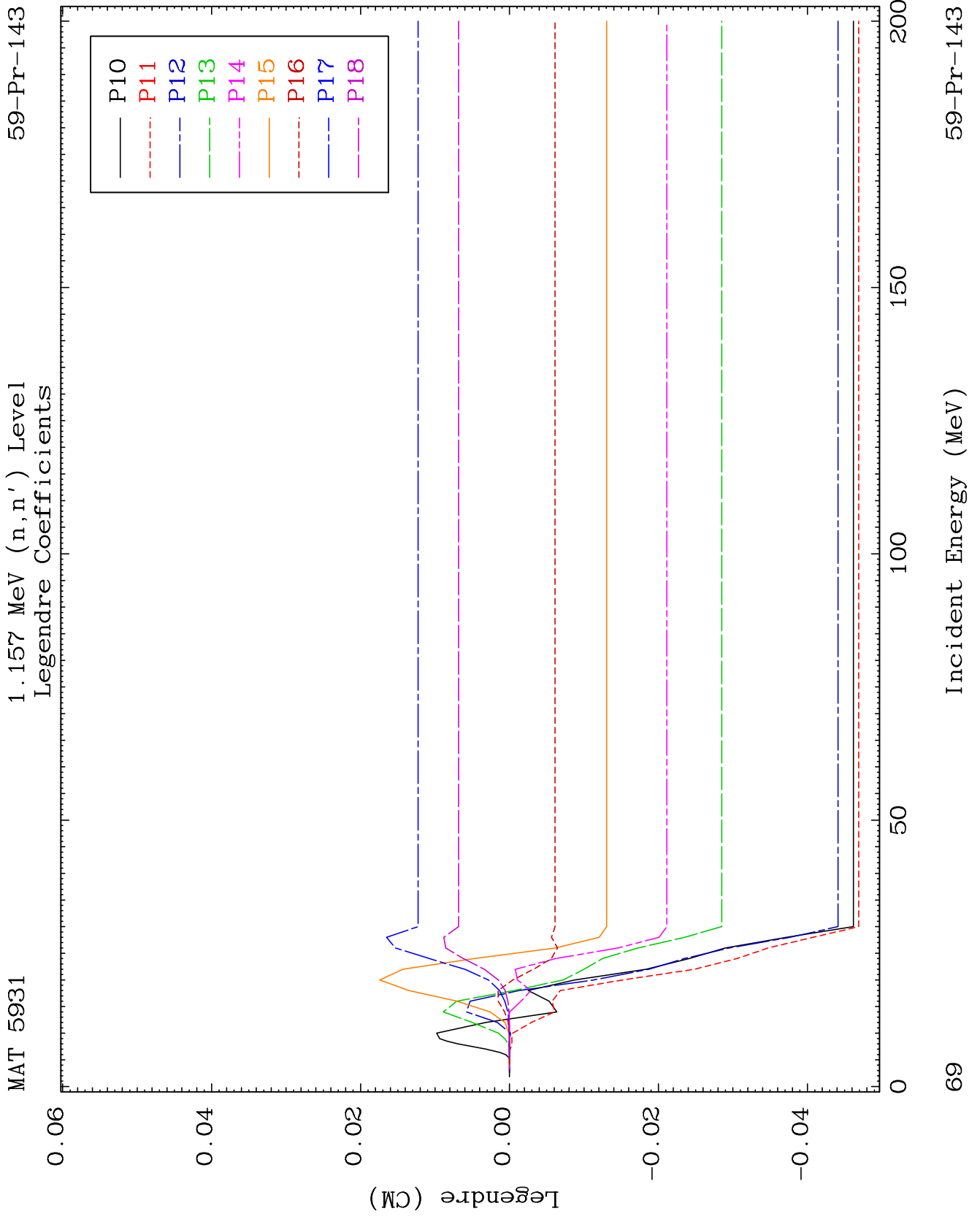
Incident Energy (MeV)

65





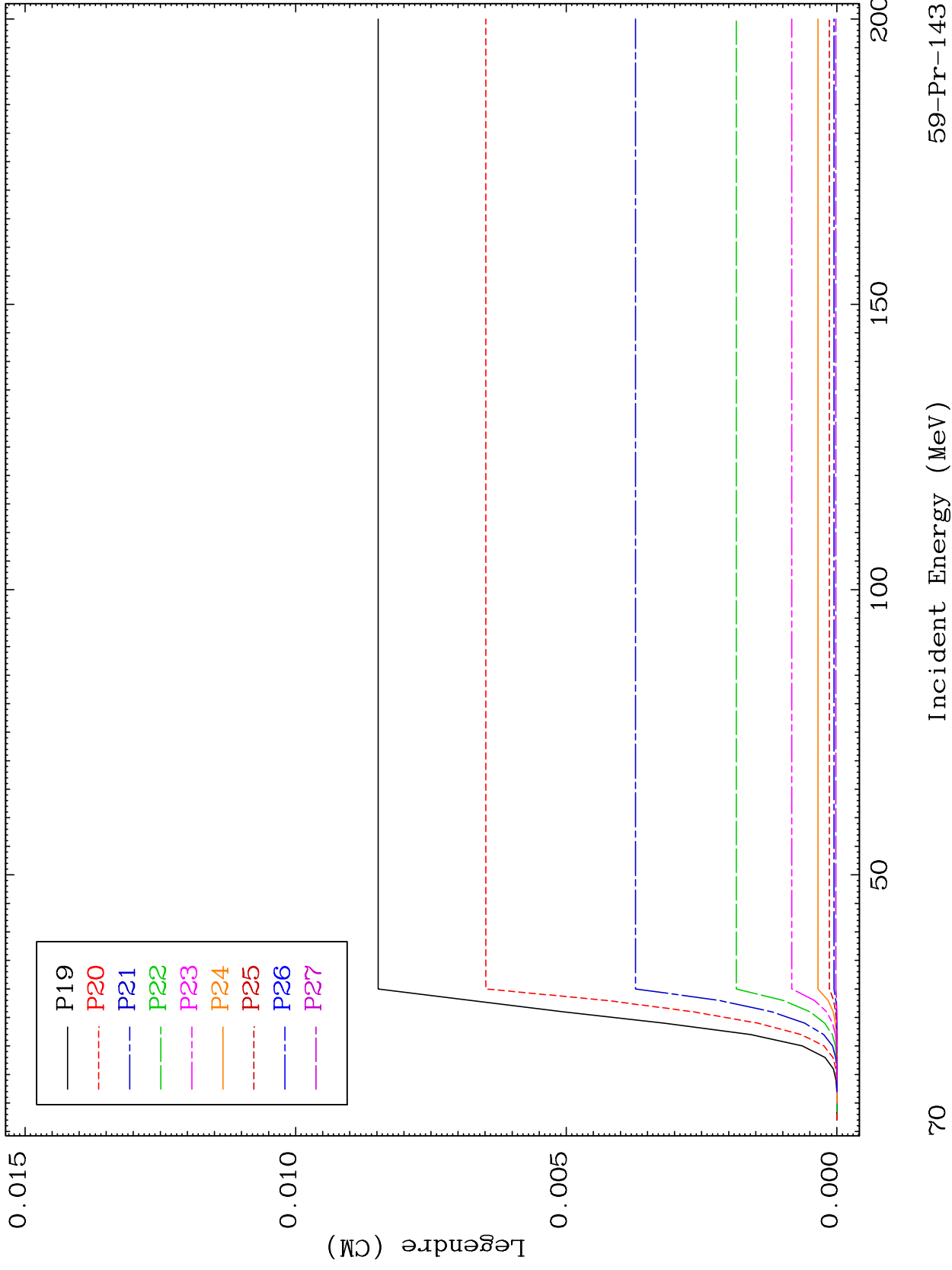




MAT 5931

1.157 MeV (n,n') Level  
Legendre Coefficients

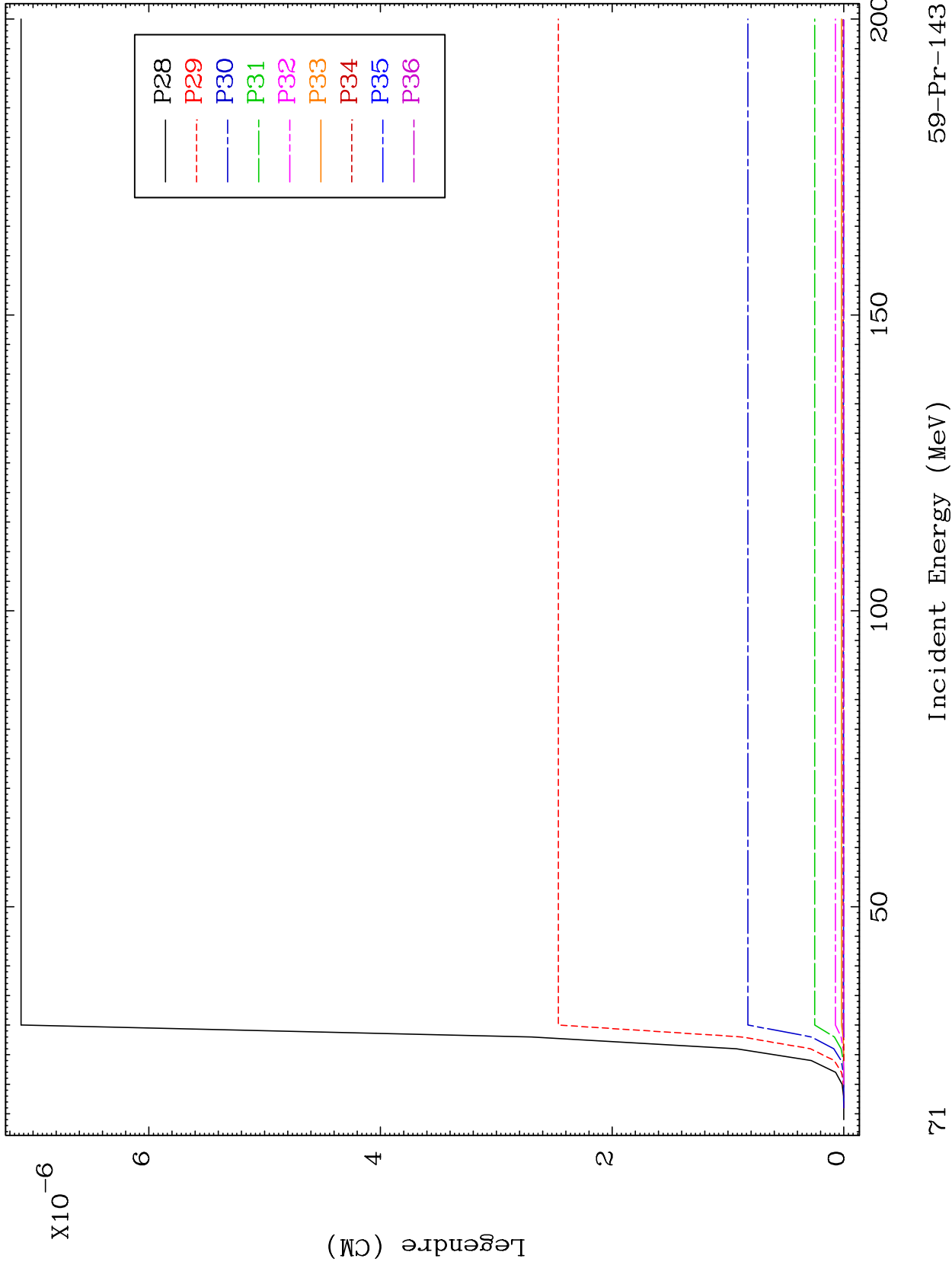
59-Pr-143



59-Pr-143

Incident Energy (MeV)

70

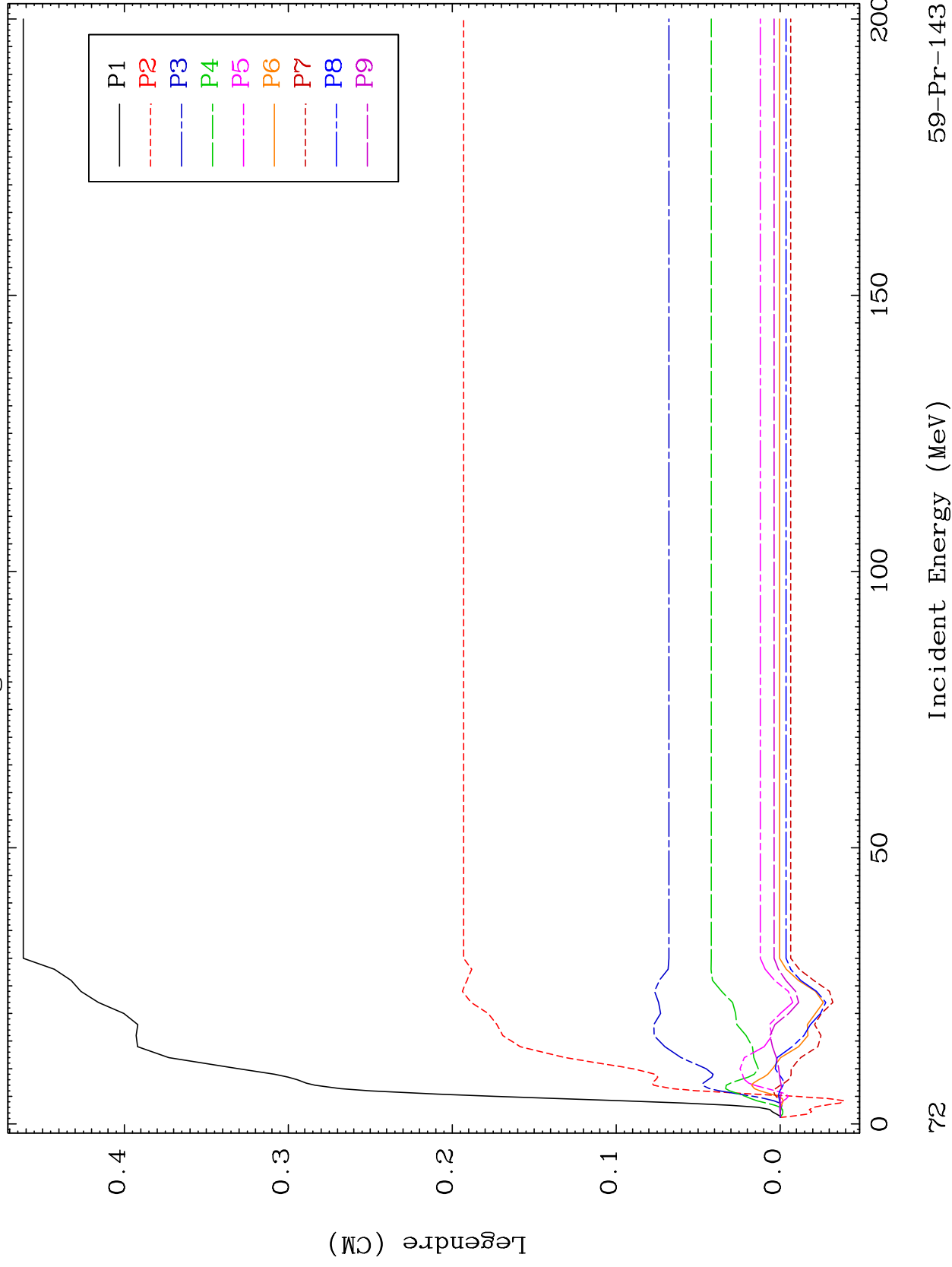




MAT 5931

1.161 MeV (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

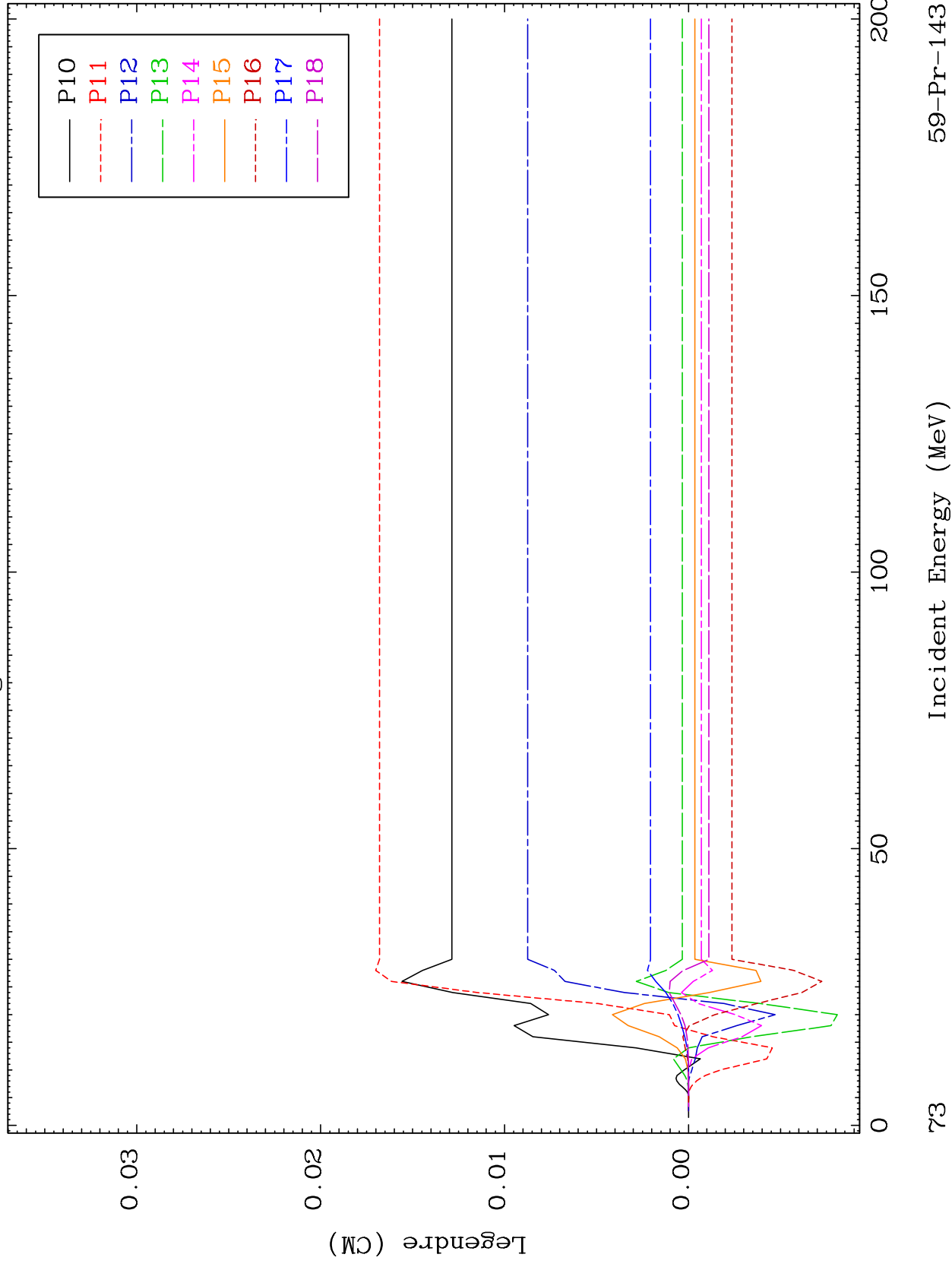
Incident Energy (MeV)

72

MAT 5931

1.161 MeV (n,n') Level  
Legendre Coefficients

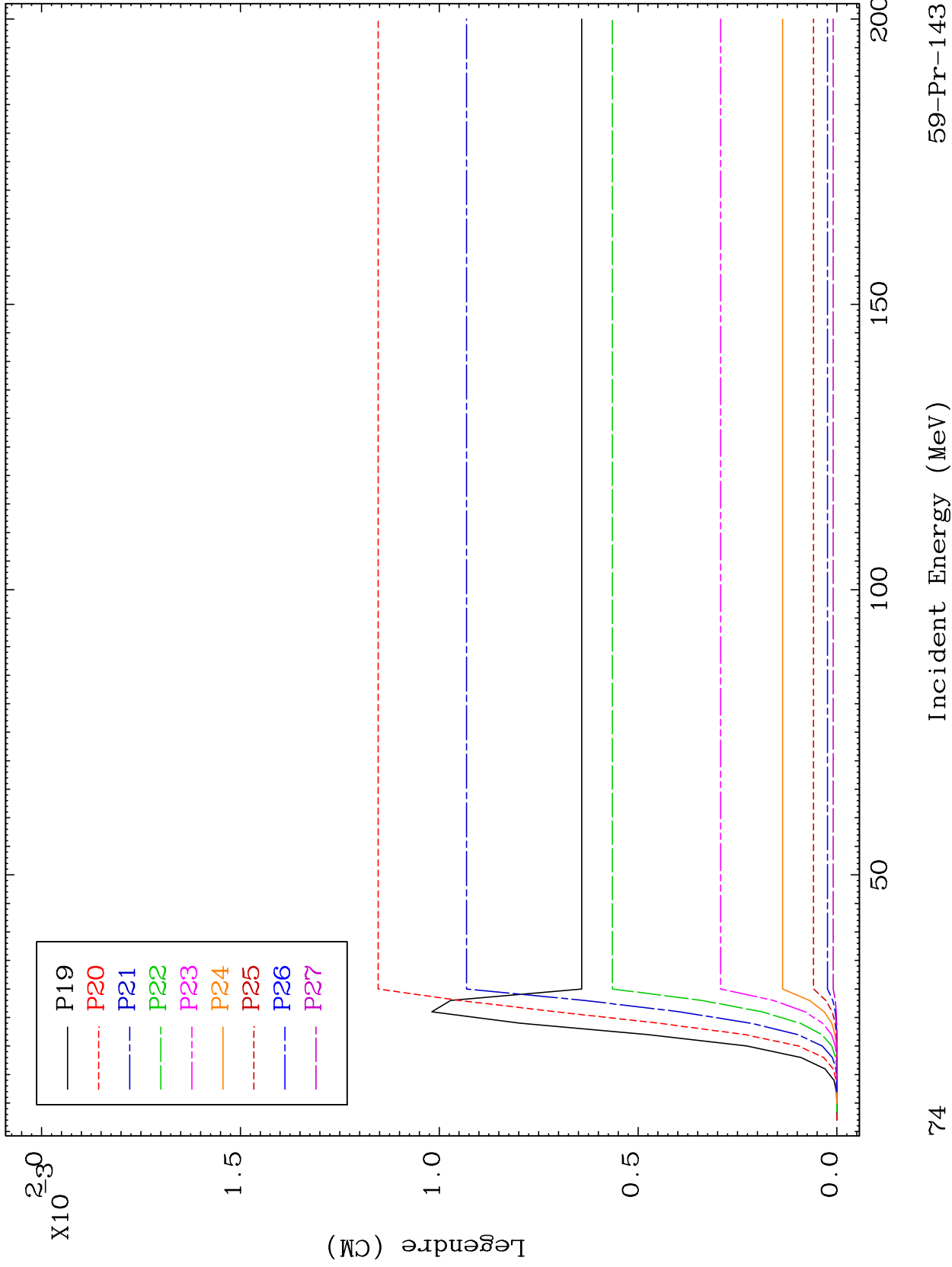
59-Pr-143



59-Pr-143

Incident Energy (MeV)

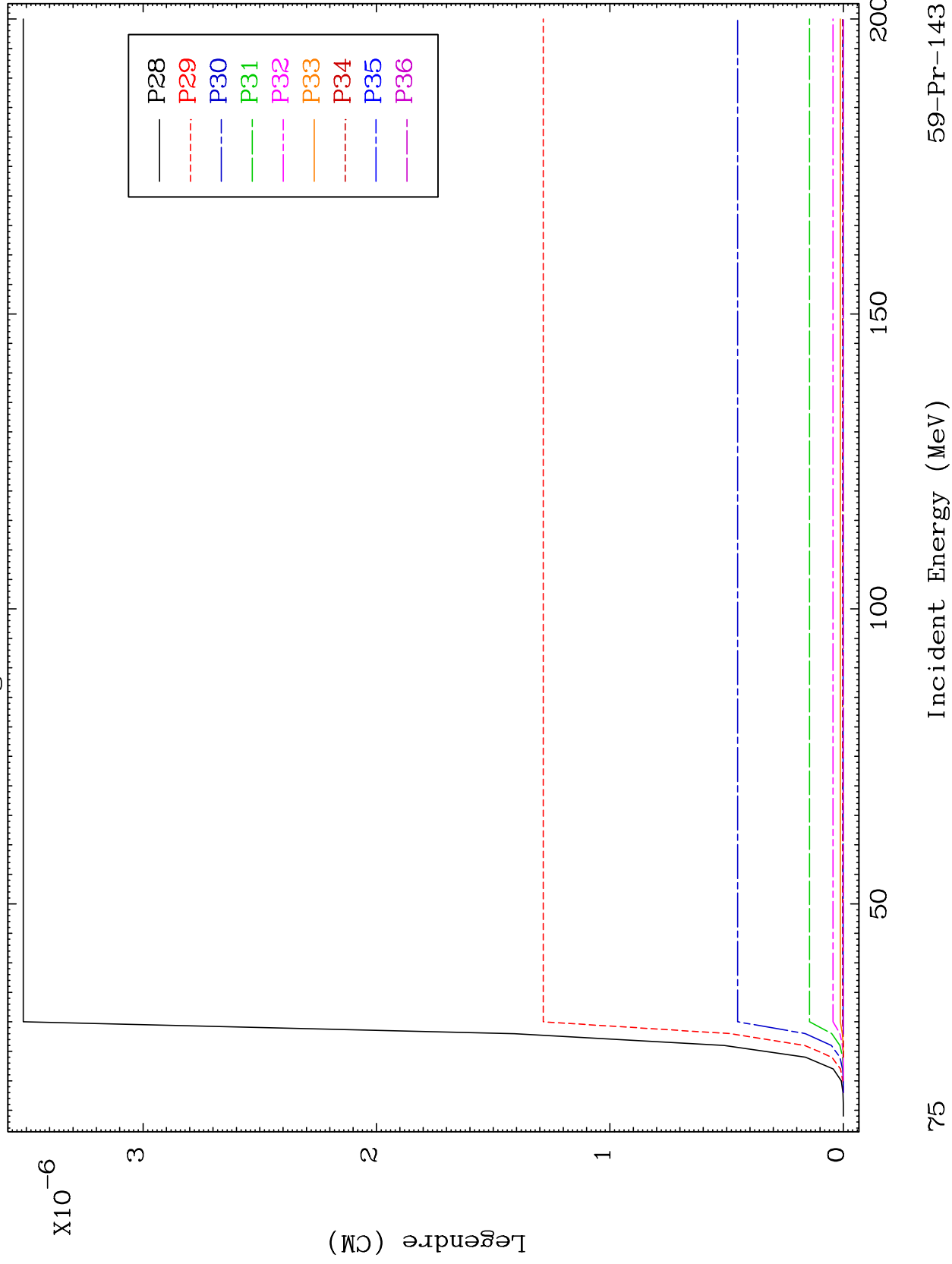
73

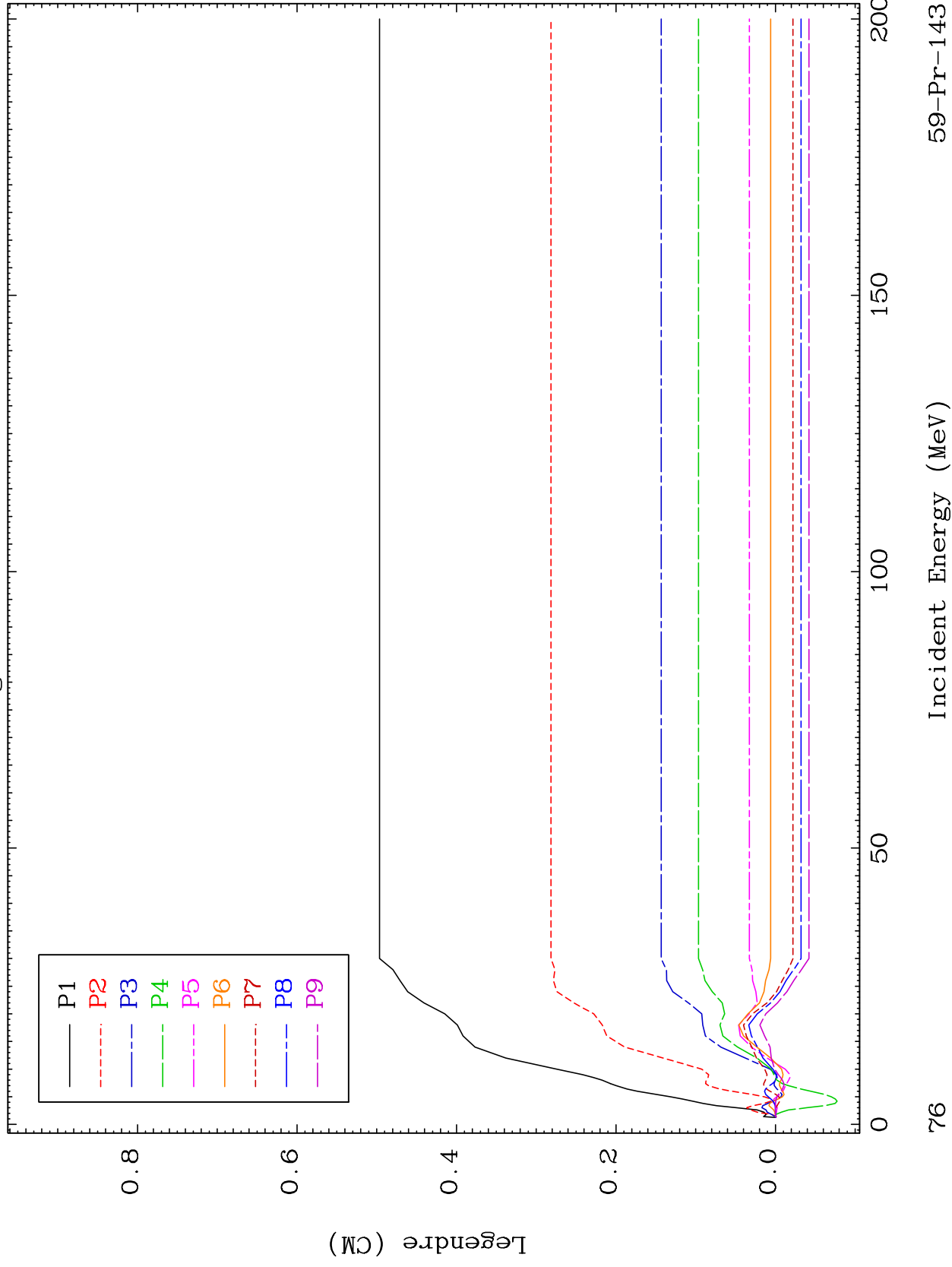


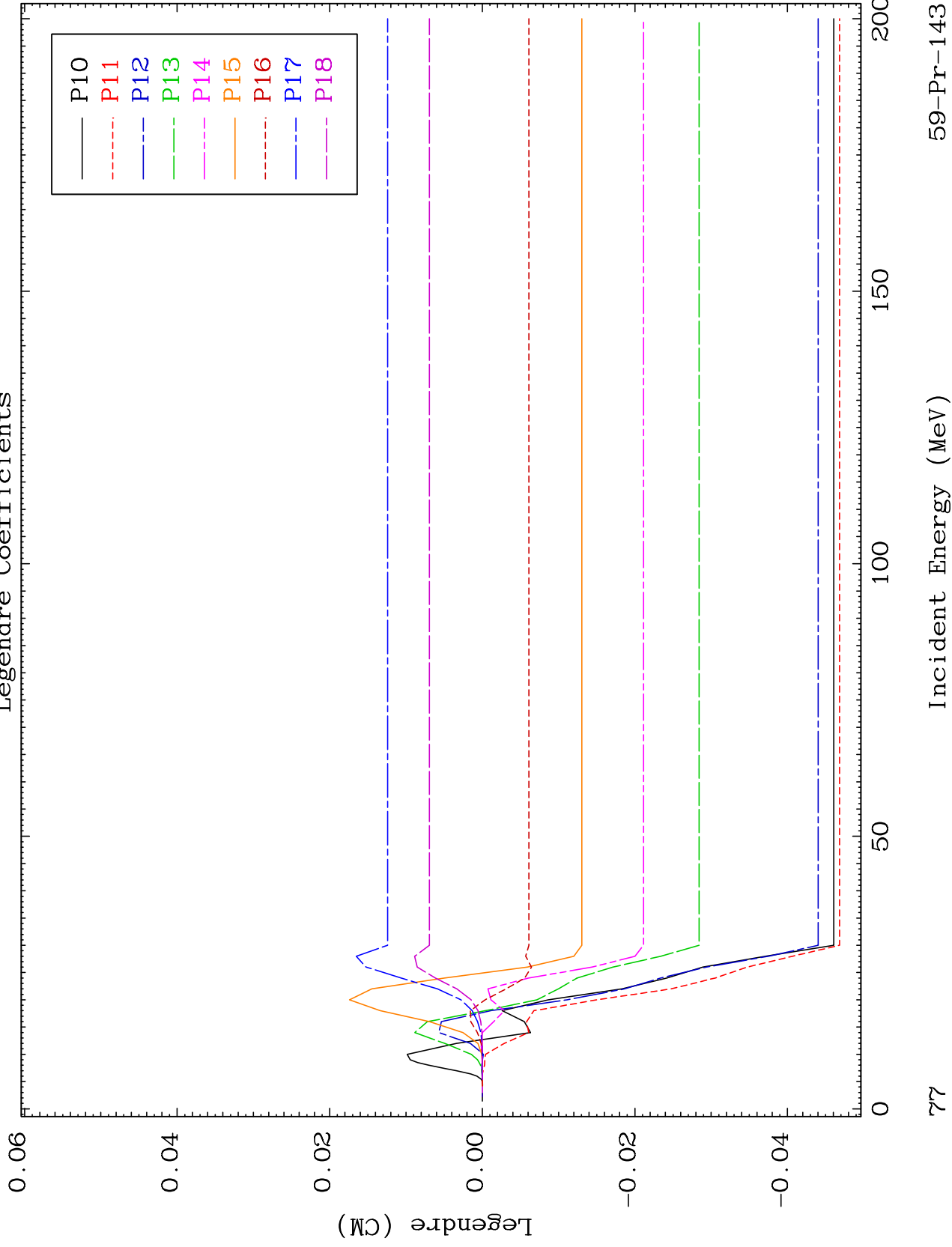
MAT 5931

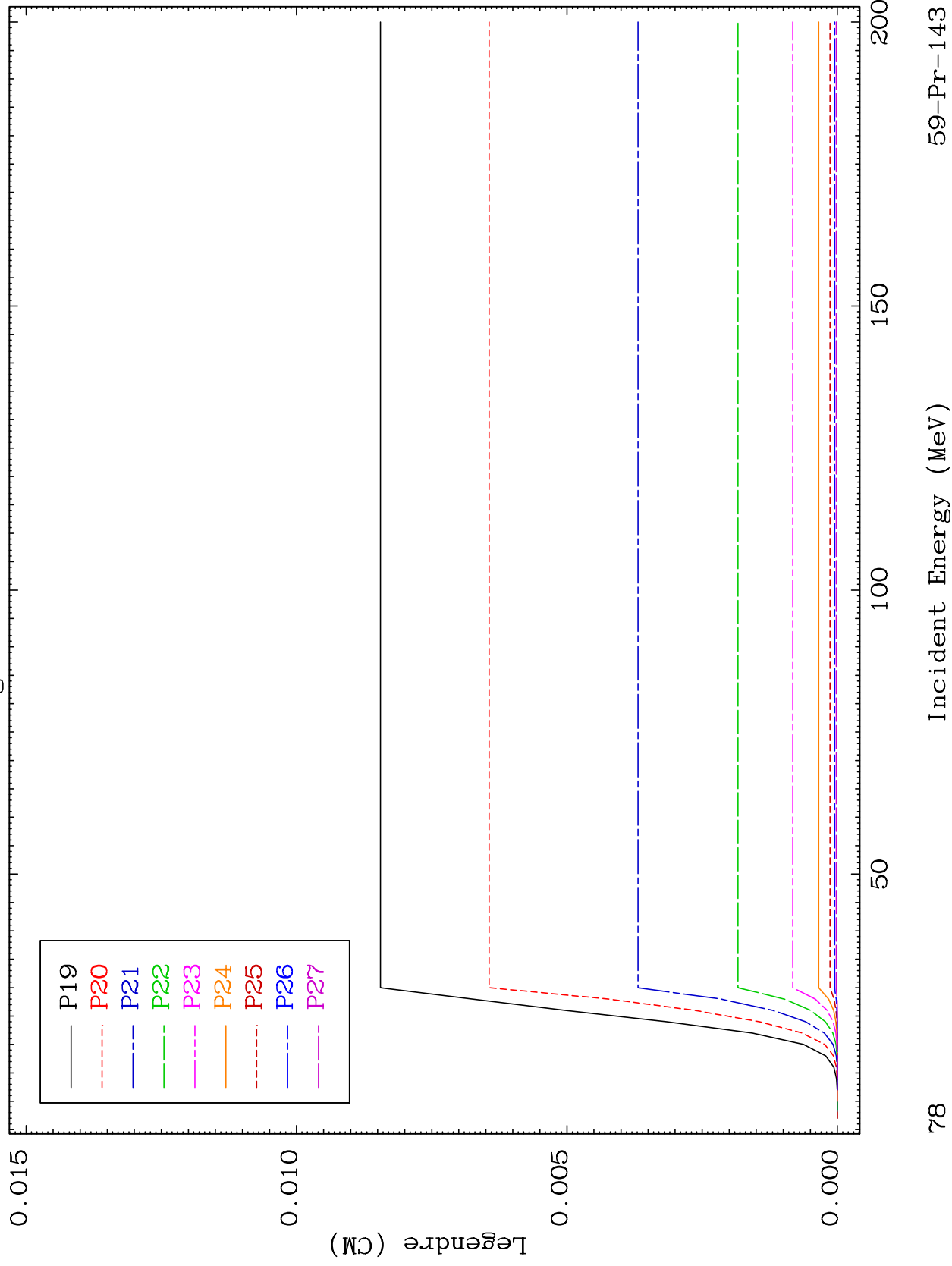
1.161 MeV (n,n') Level  
Legendre Coefficients

59-Pr-143





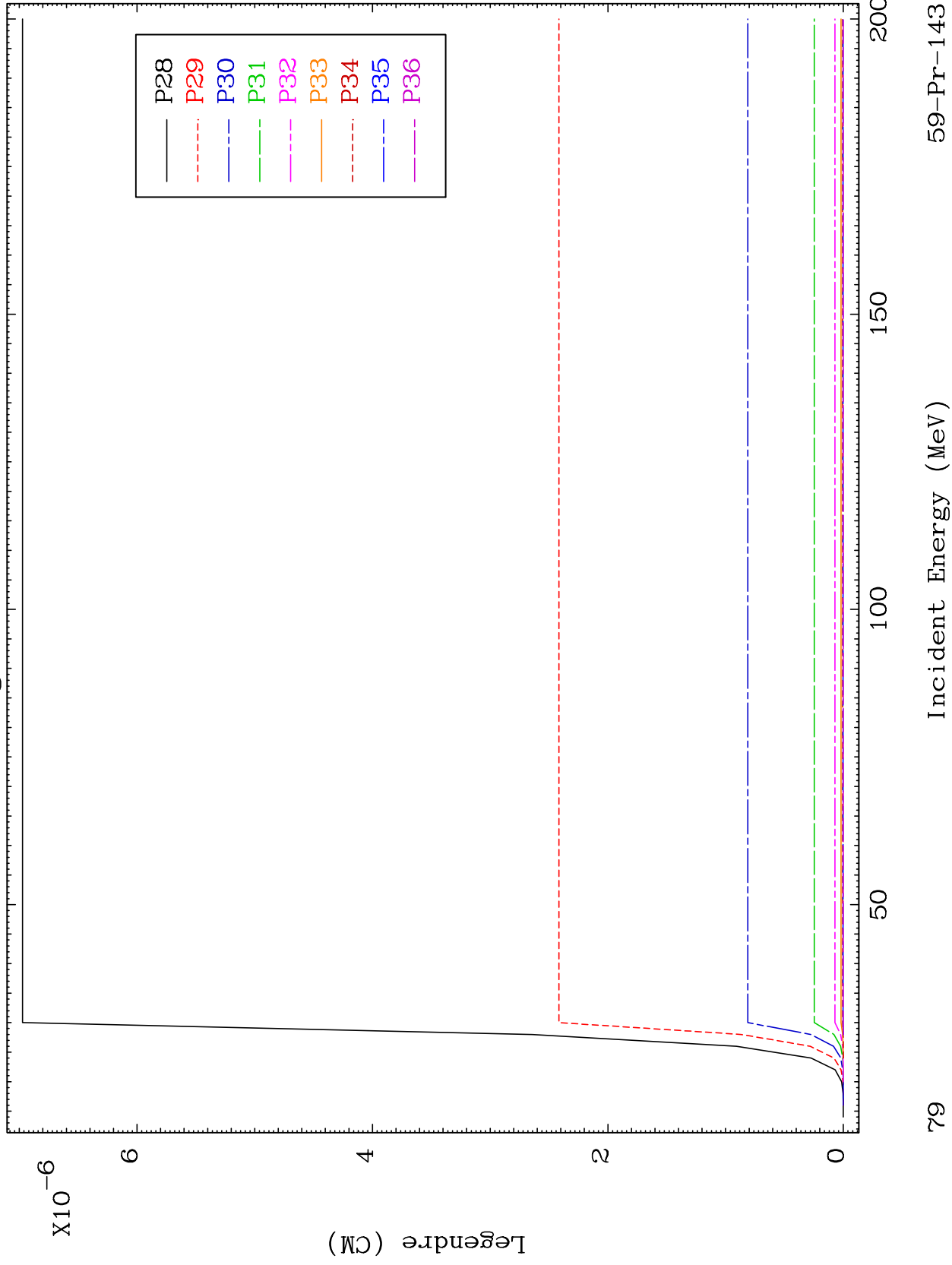




MAT 5931

1.236 MeV (n,n') Level  
Legendre Coefficients

59-Pr-143

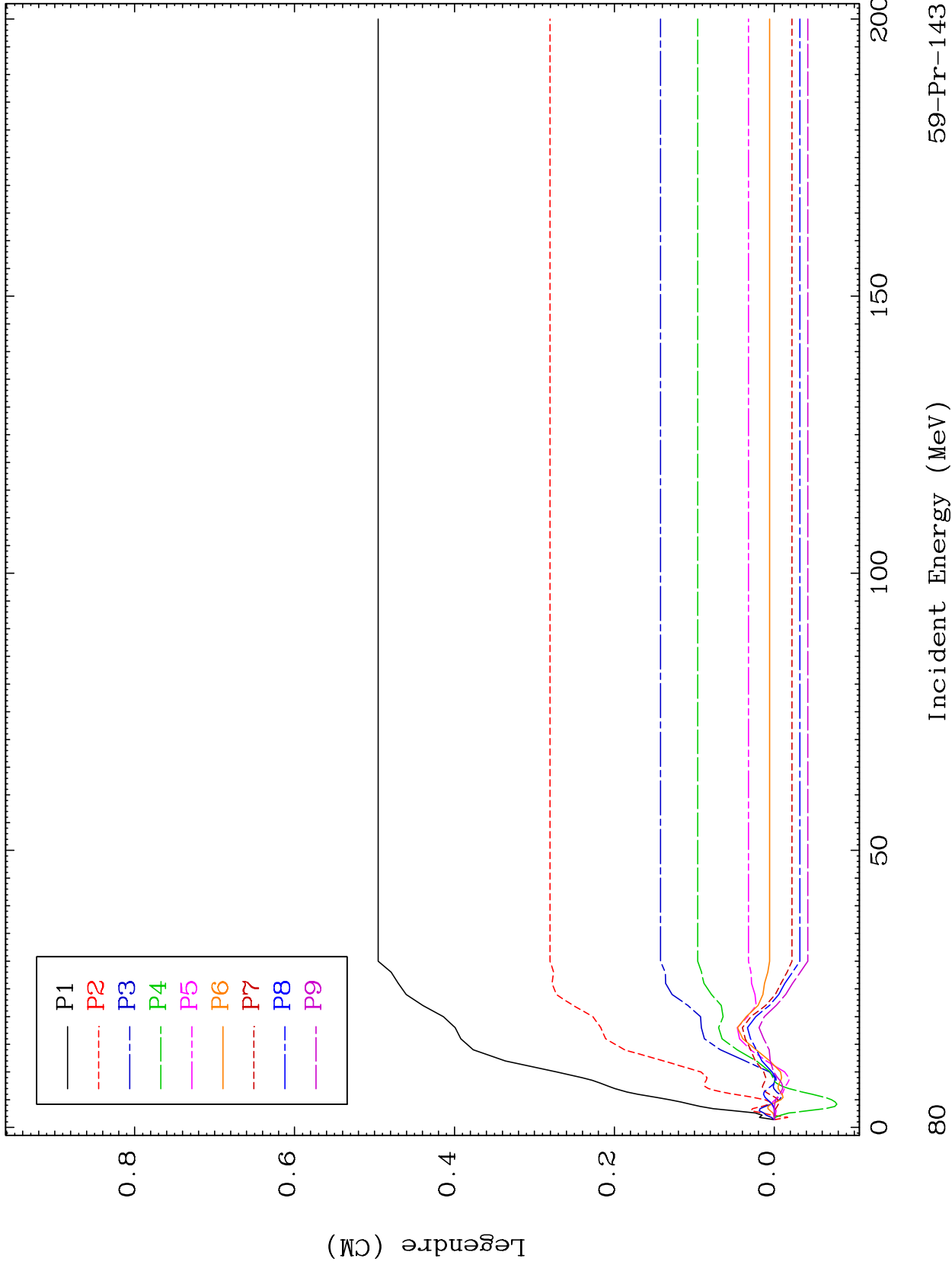




MAT 5931

1.382 MeV (n,n') Level Legendre Coefficients

59-Pr-143

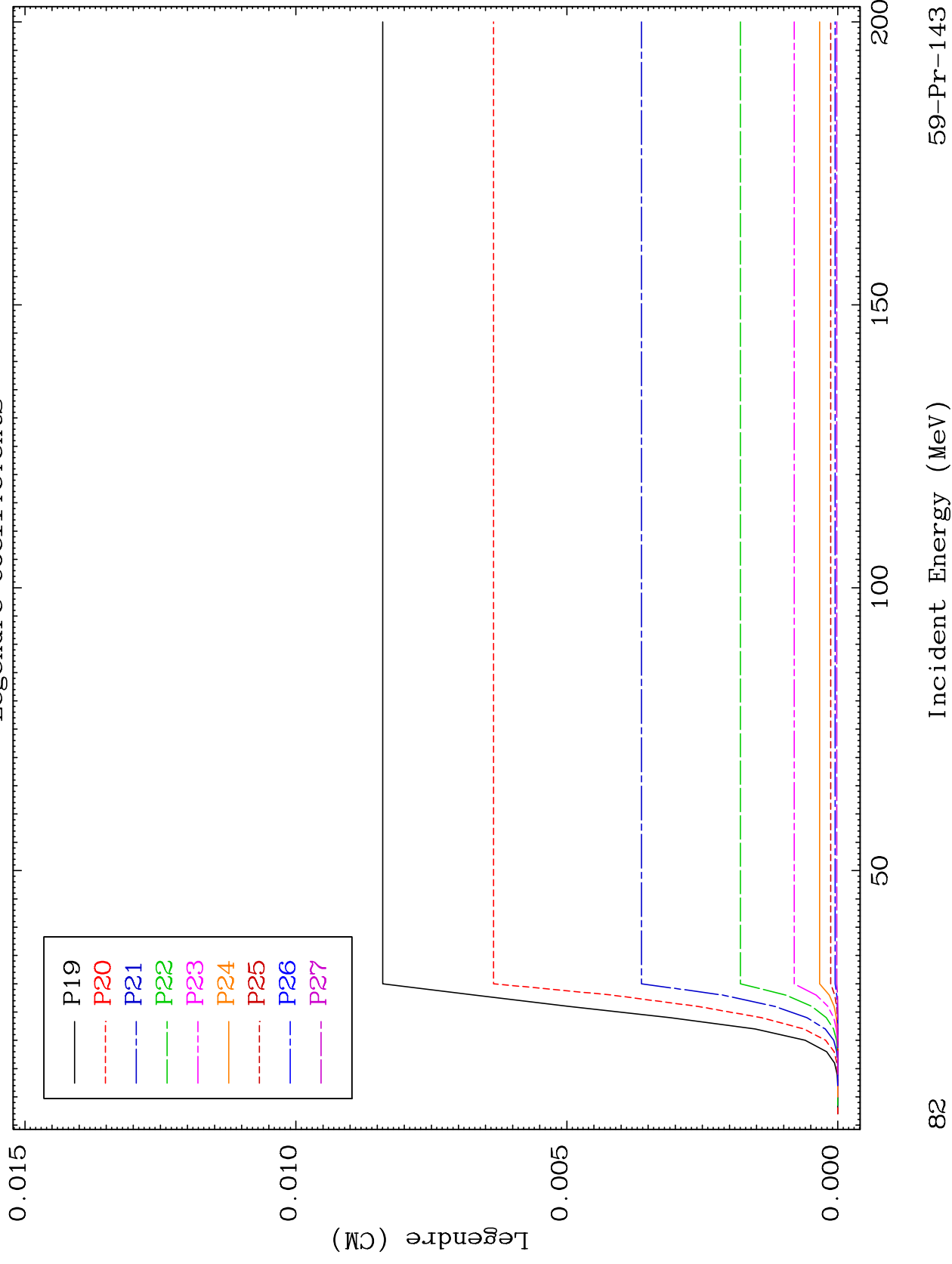


59-Pr-143

Incident Energy (MeV)

80

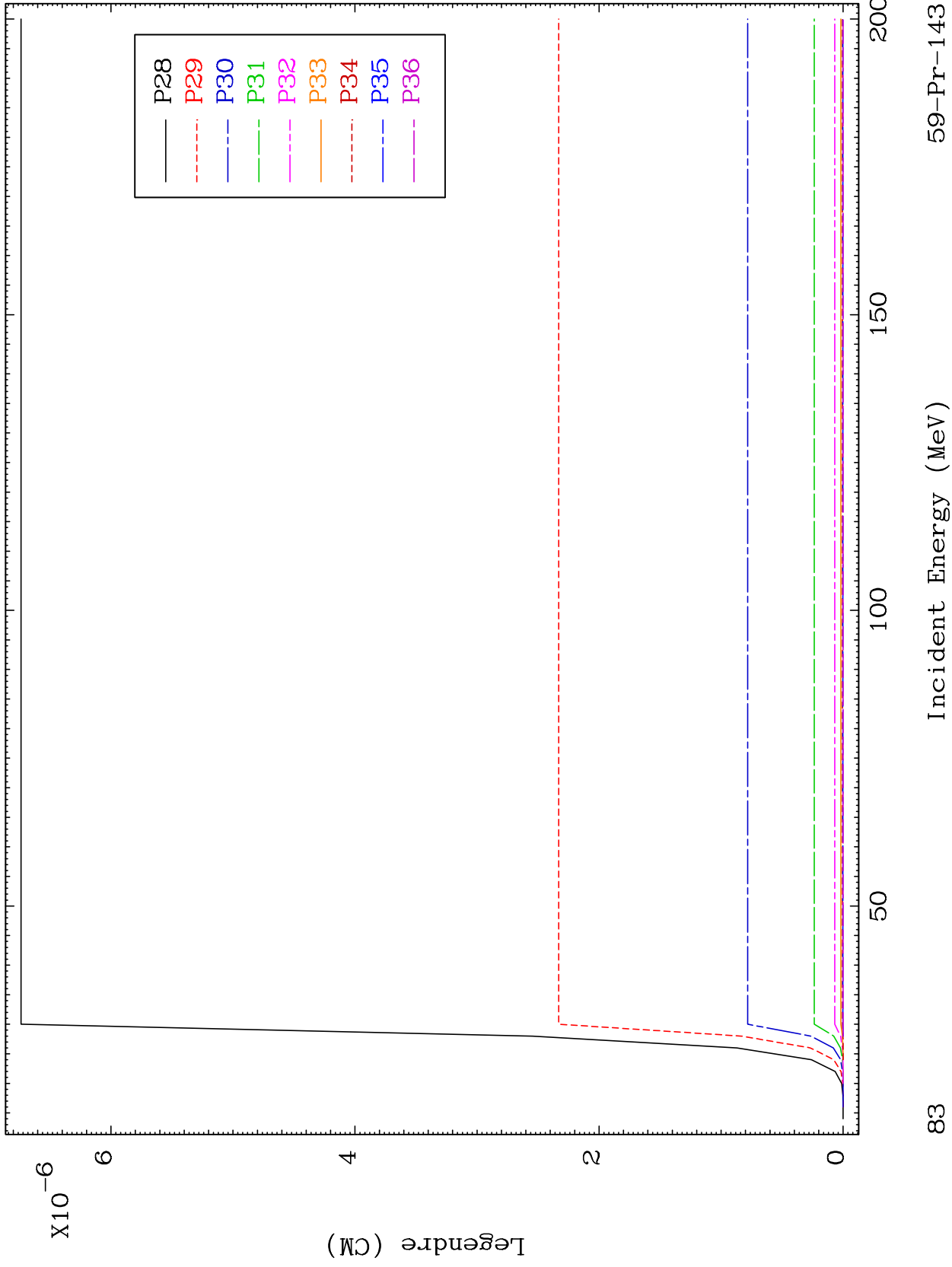




MAT 5931

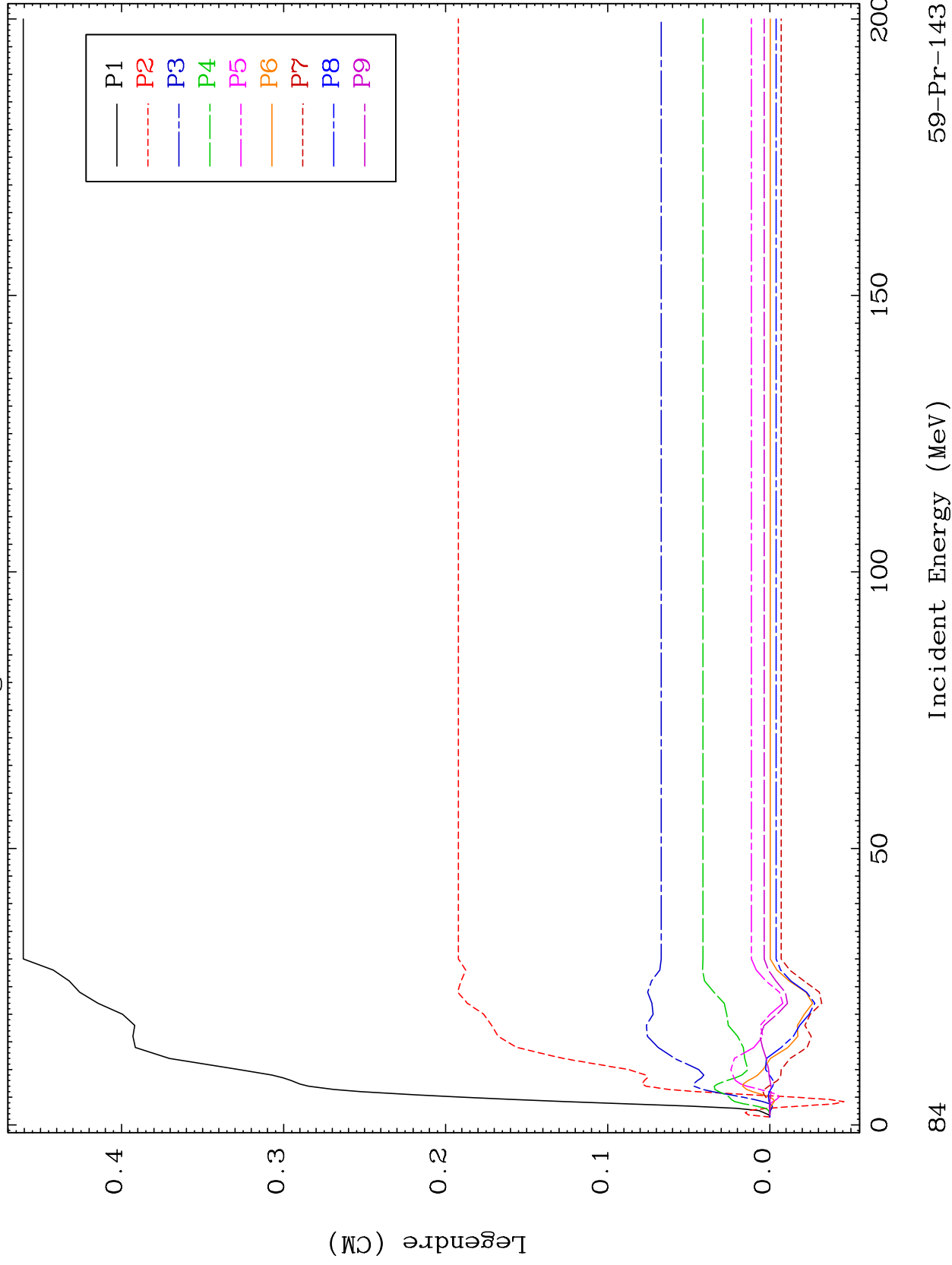
1.382 MeV (n,n') Level  
Legendre Coefficients

59-Pr-143



83

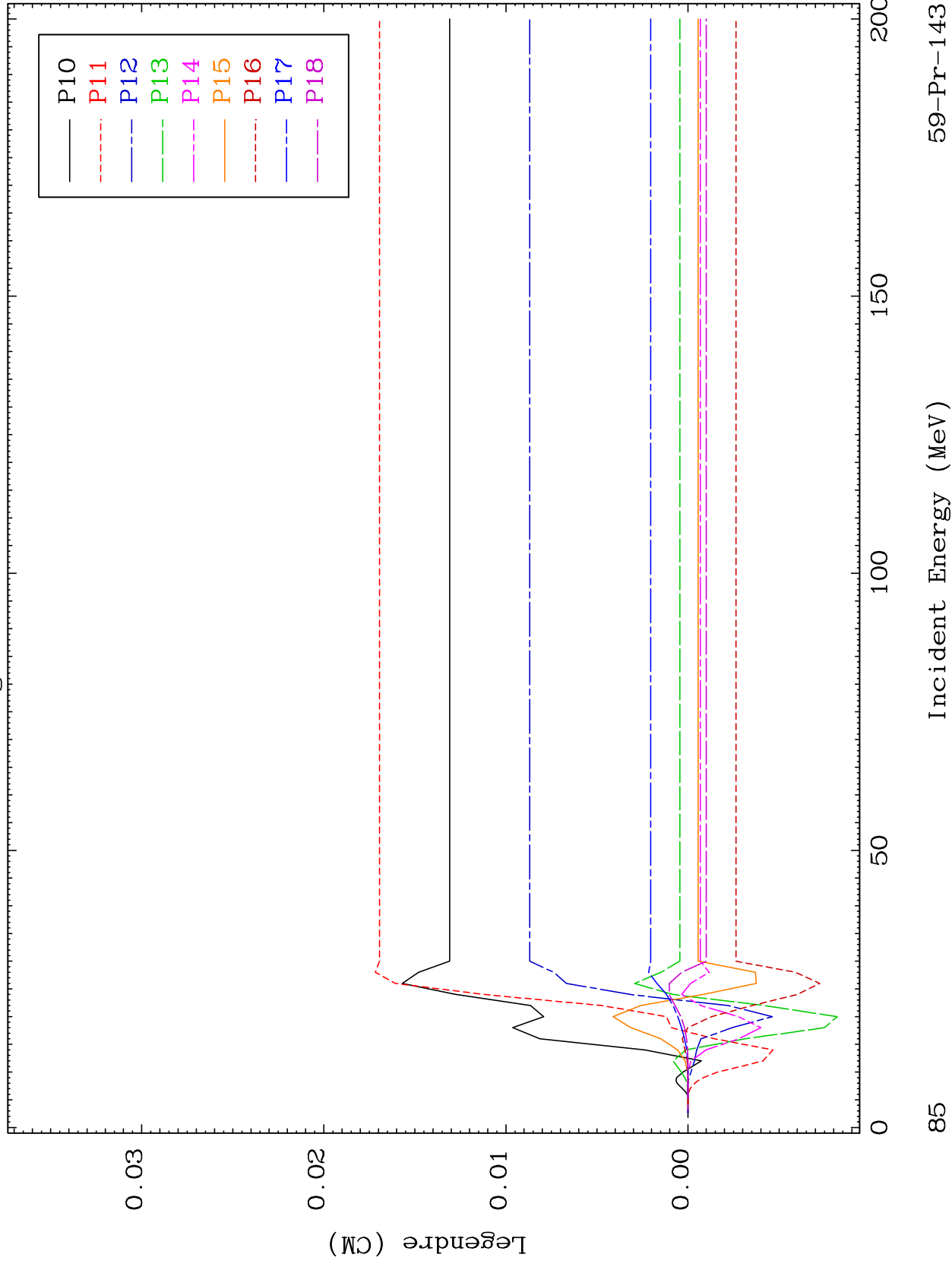
59-Pr-143



MAT 5931

1.397 MeV (n,n') Level  
Legendre Coefficients

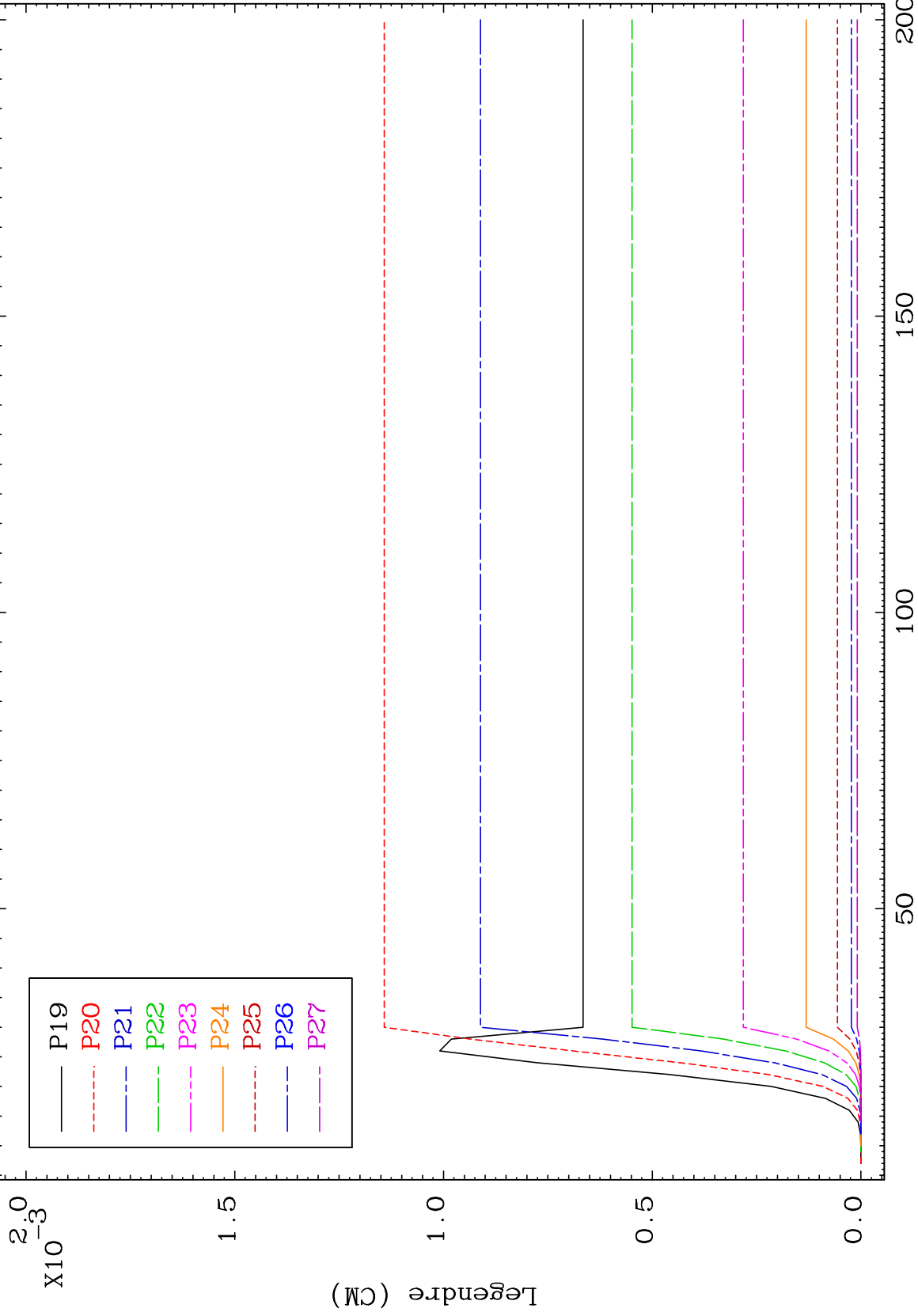
59-Pr-143

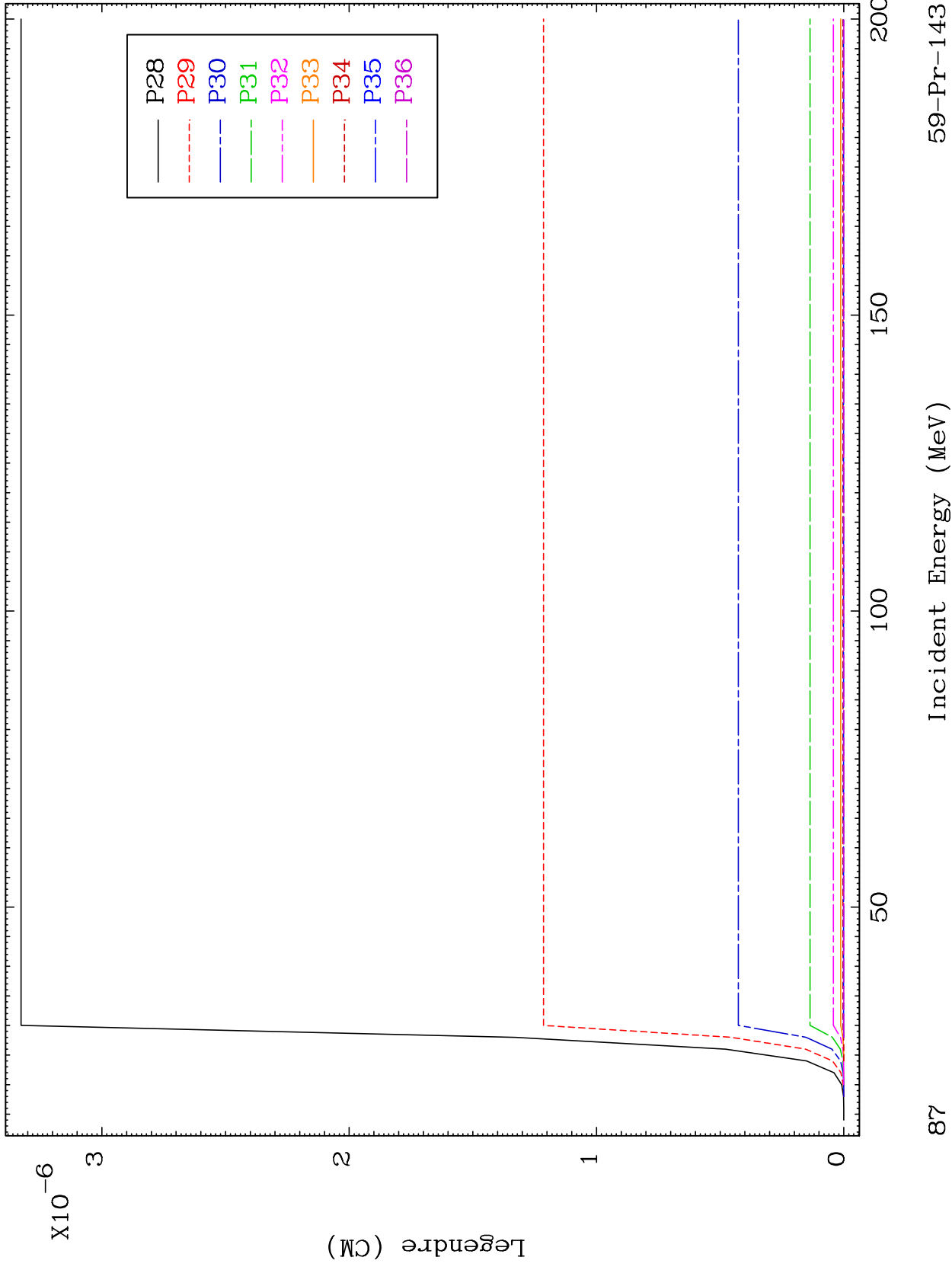


59-Pr-143

Incident Energy (MeV)

85



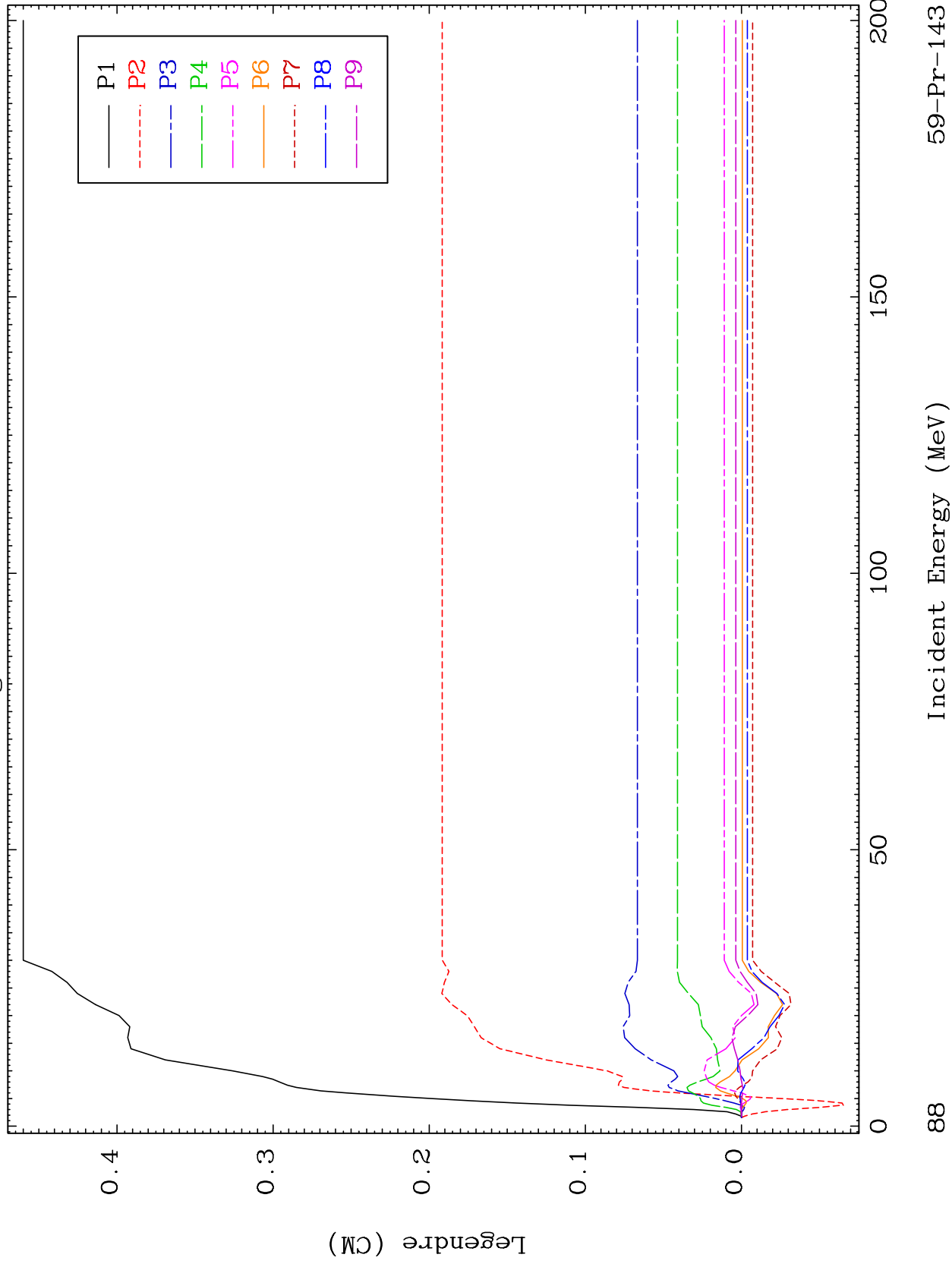




MAT 5931

1.526 MeV (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

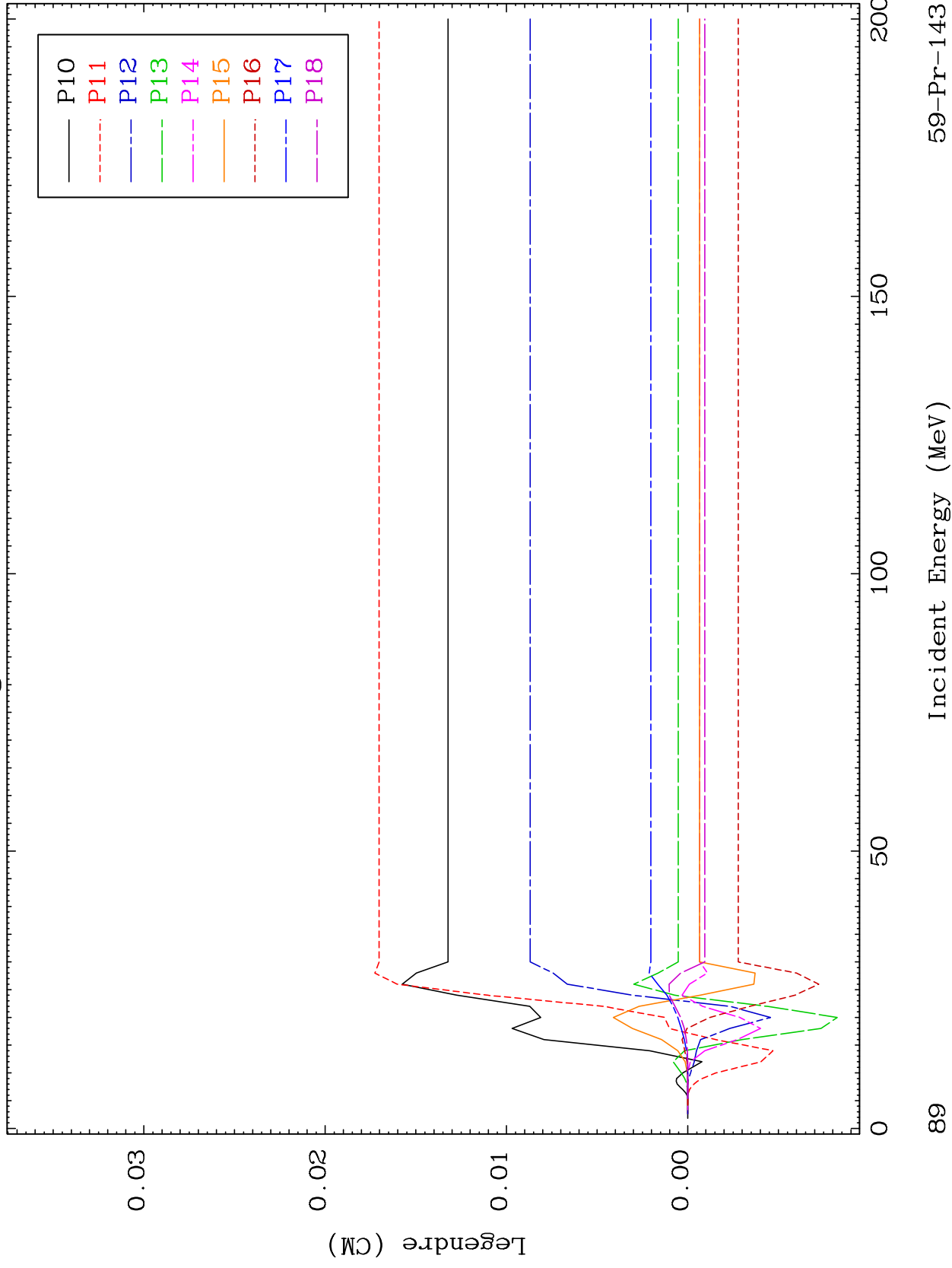
Incident Energy (MeV)

88

MAT 5931

1.526 MeV (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

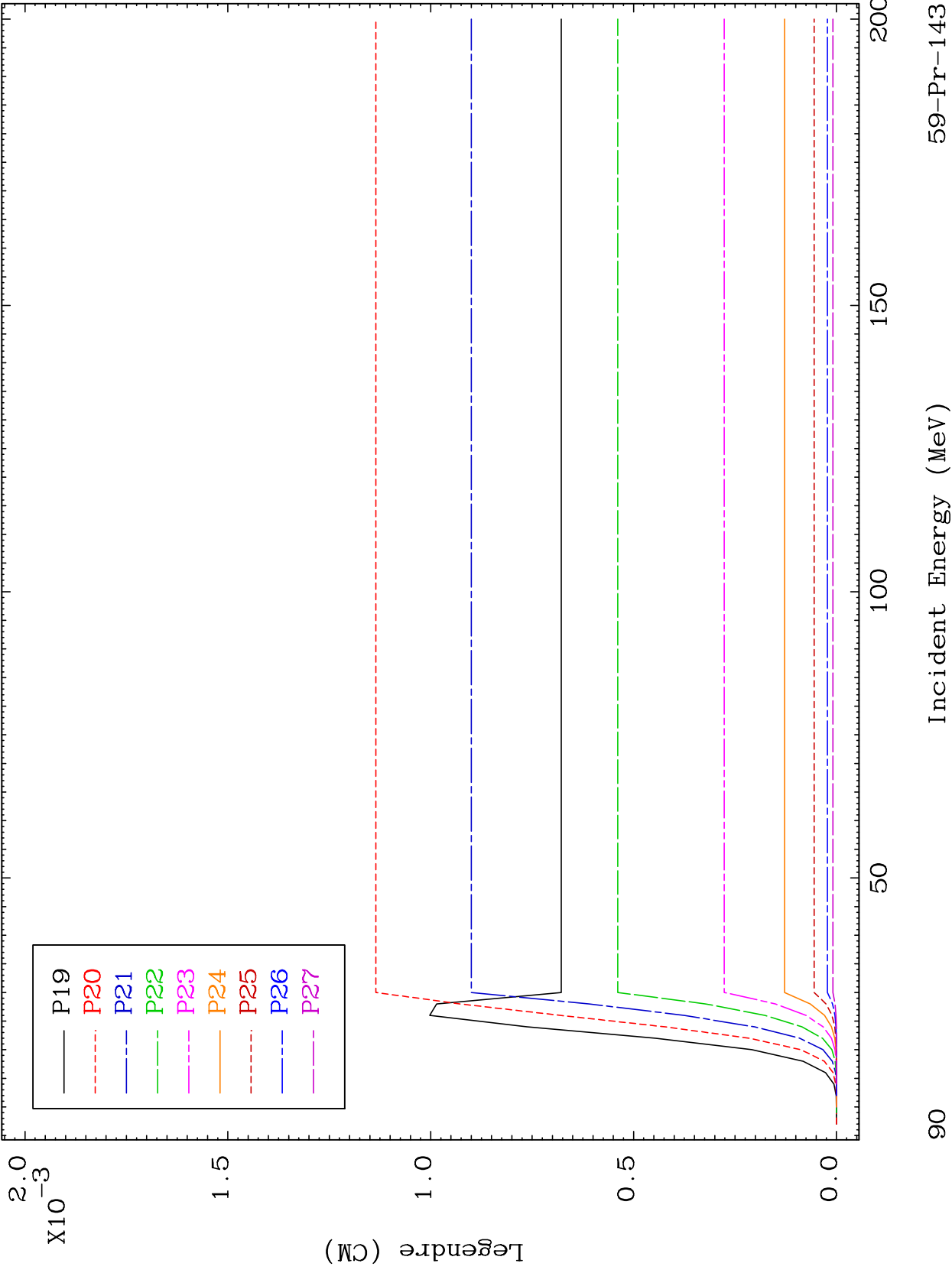
Incident Energy (MeV)

89

MAT 5931

1.526 MeV (n, n') Level  
Legendre Coefficients

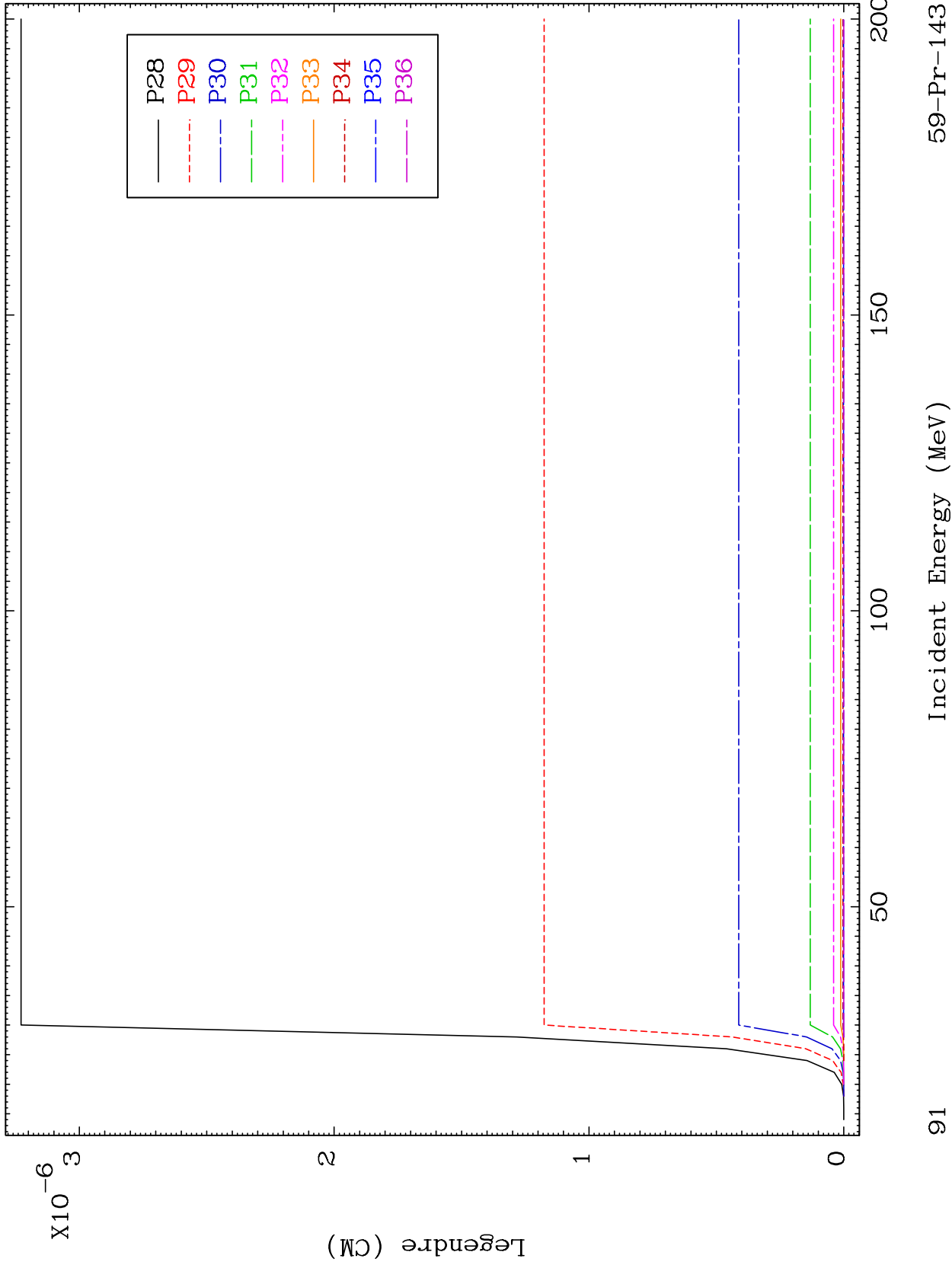
59-Pr-143



MAT 5931

1.526 MeV (n,n') Level  
Legendre Coefficients

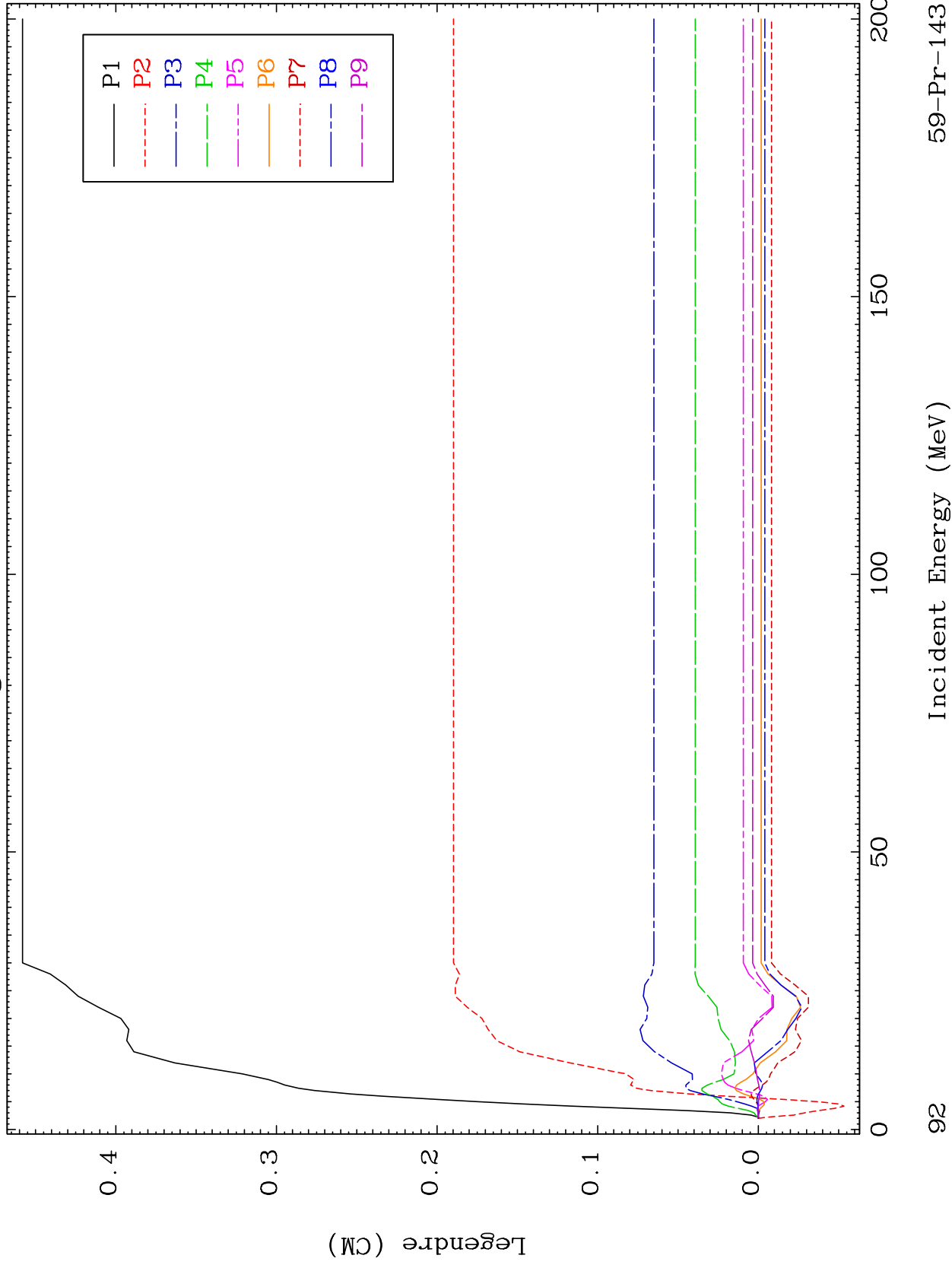
59-Pr-143



MAT 5931

1.980 MeV (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

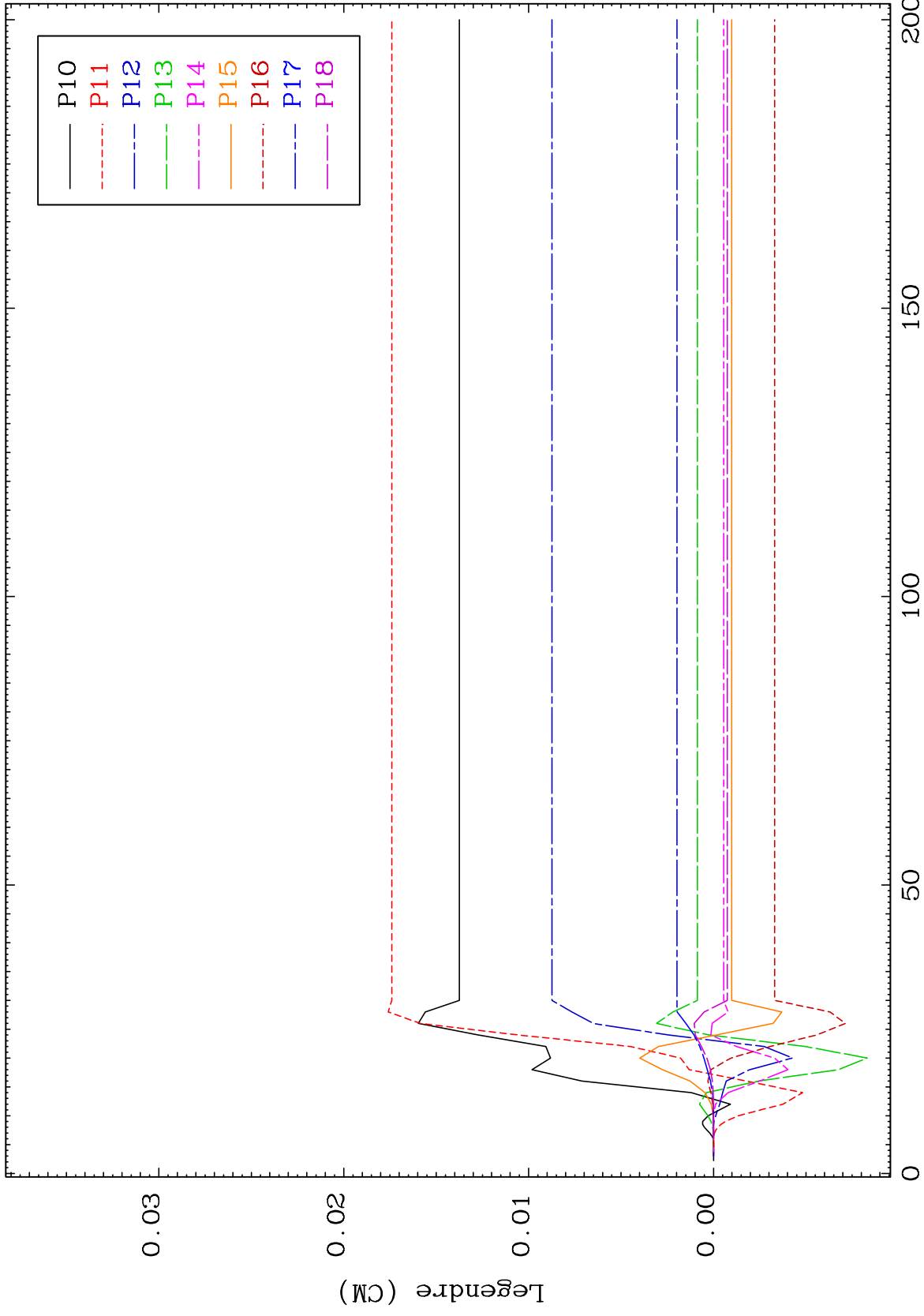
Incident Energy (MeV)

92

MAT 5931

1.980 MeV (n,n') Level  
Legendre Coefficients

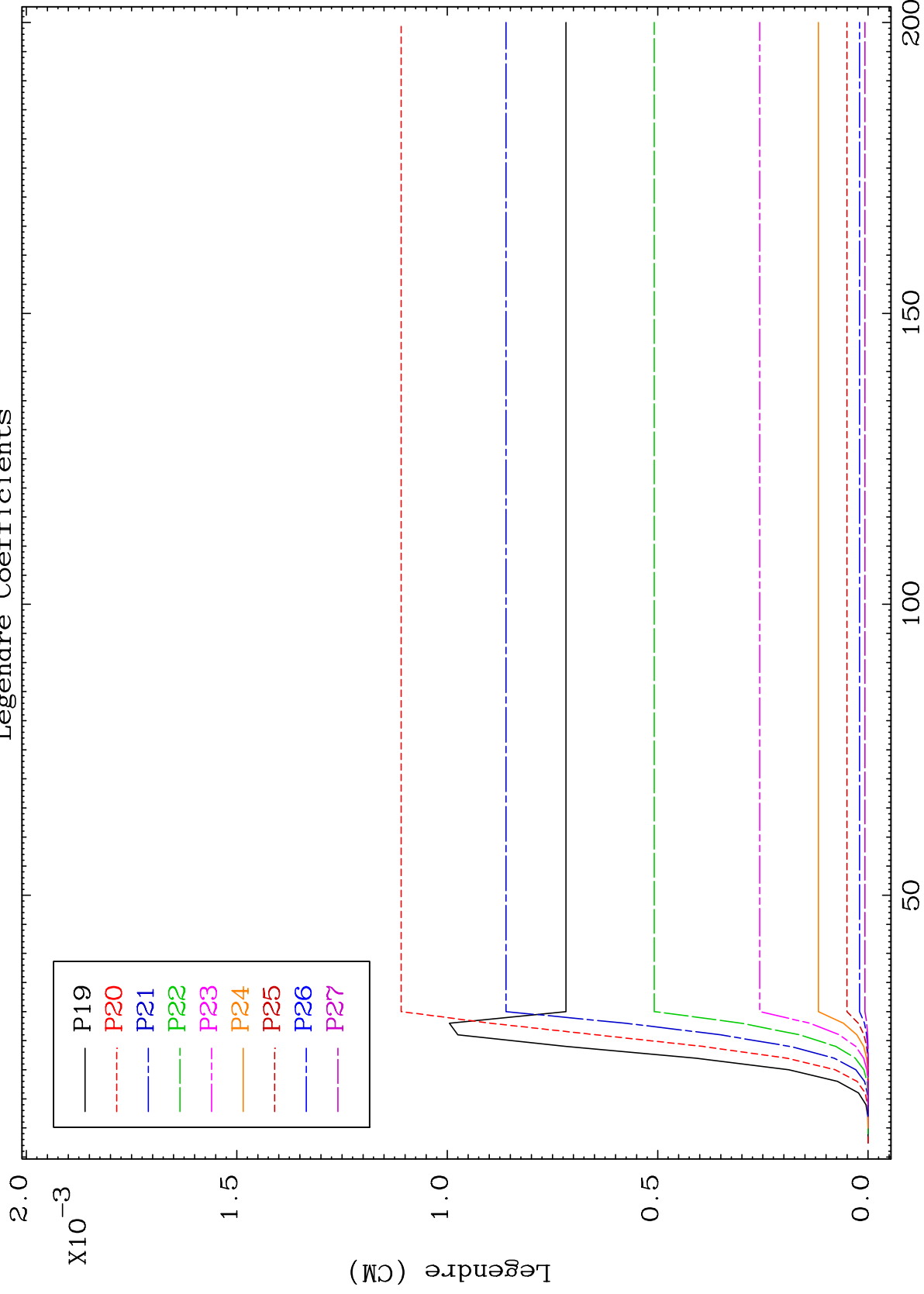
59-Pr-143



93

Incident Energy (MeV)

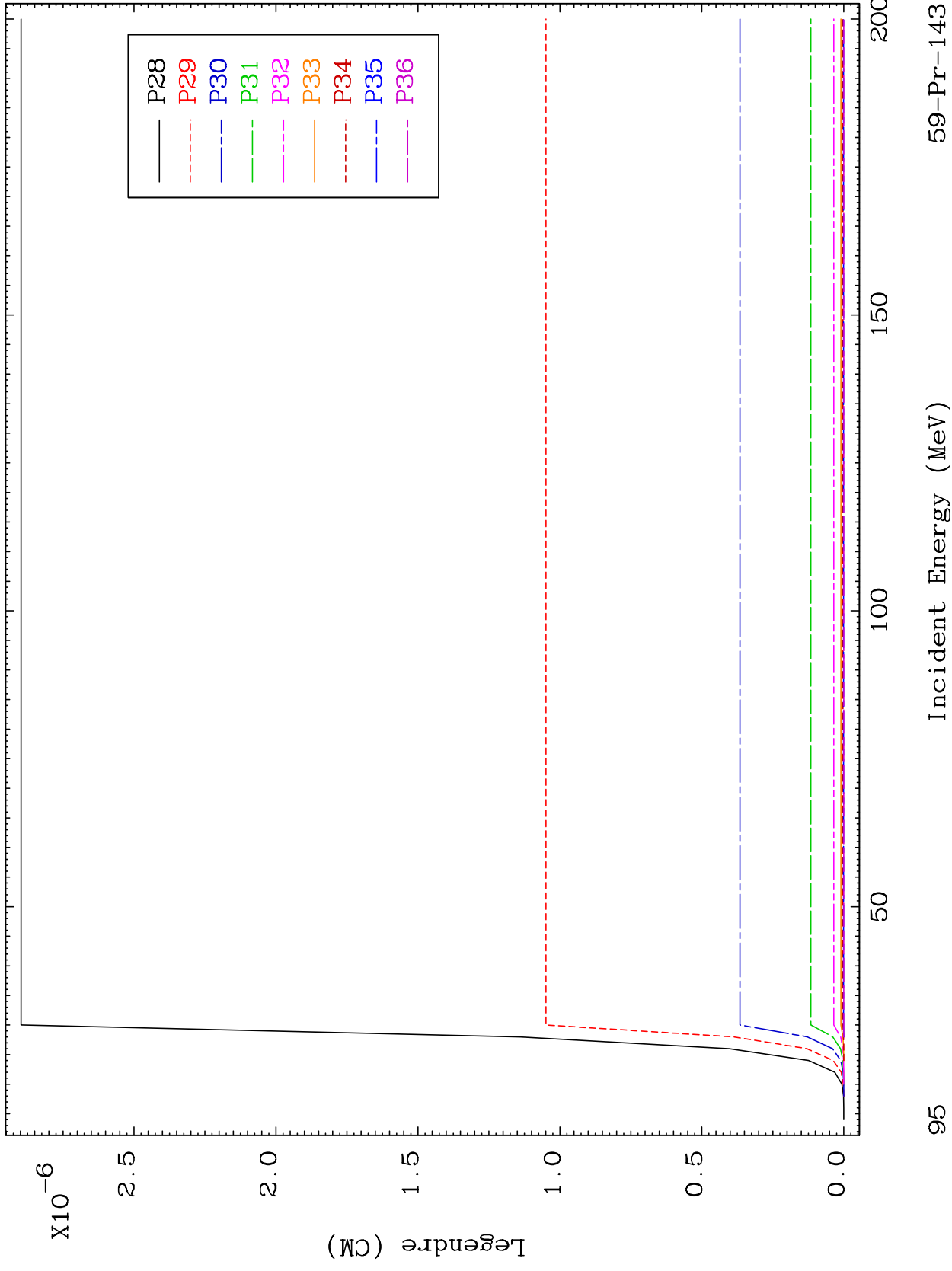
59-Pr-143



MAT 5931

1.980 MeV (n,n') Level  
Legendre Coefficients

59-Pr-143



95

Incident Energy (MeV)

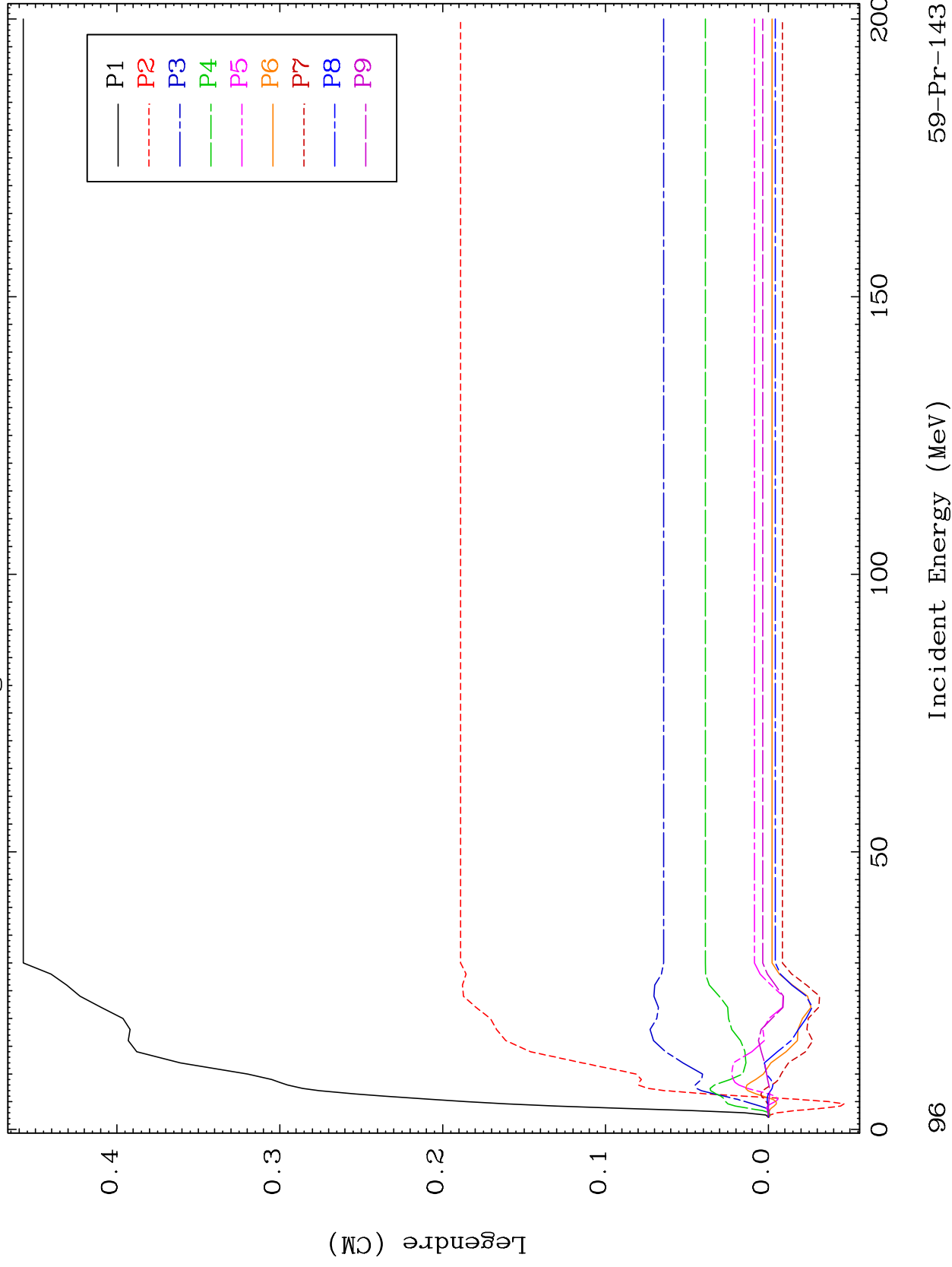
59-Pr-143



MAT 5931

2.141 MeV (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

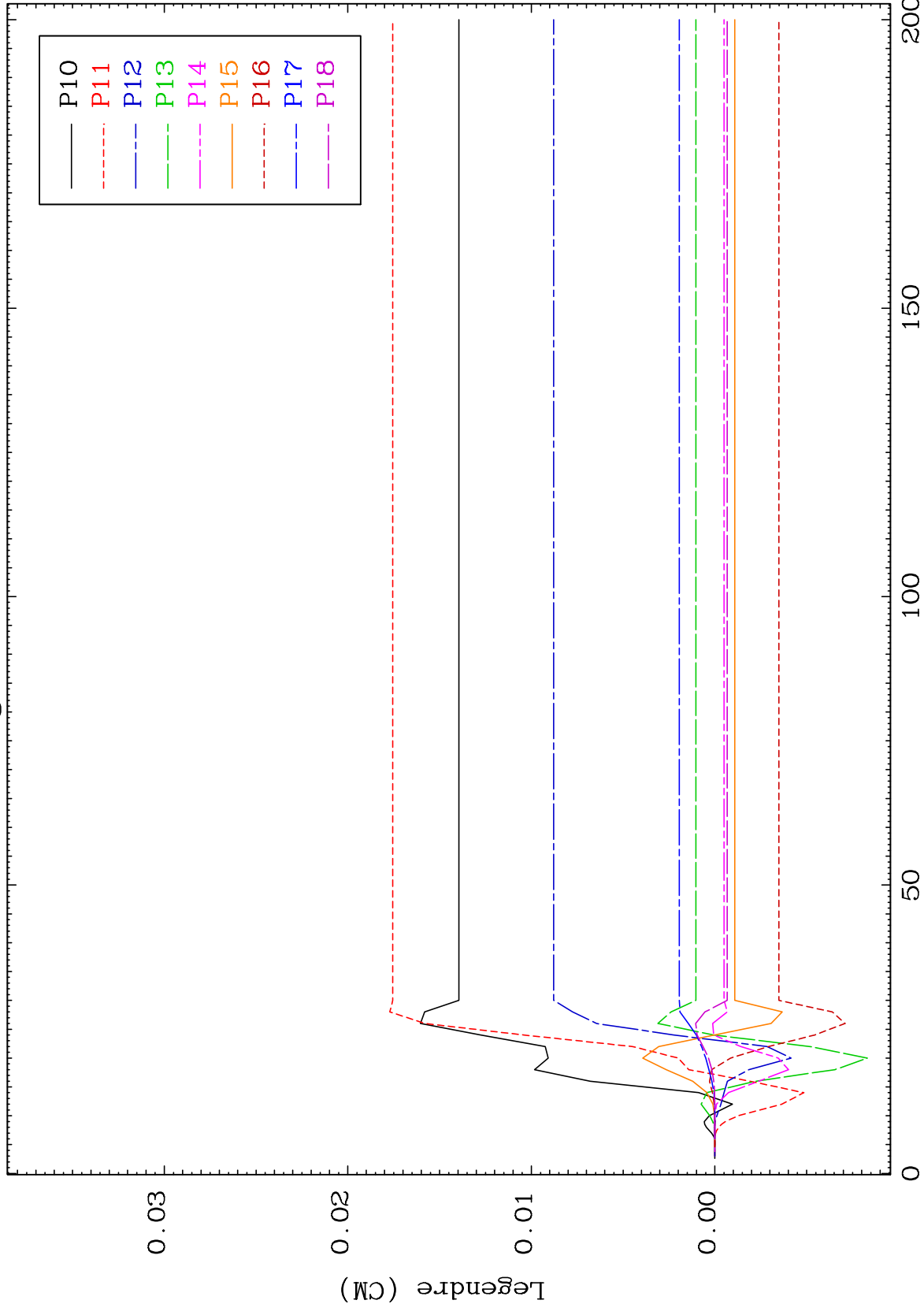
Incident Energy (MeV)

96

MAT 5931

2.141 MeV (n, n') Level  
Legendre Coefficients

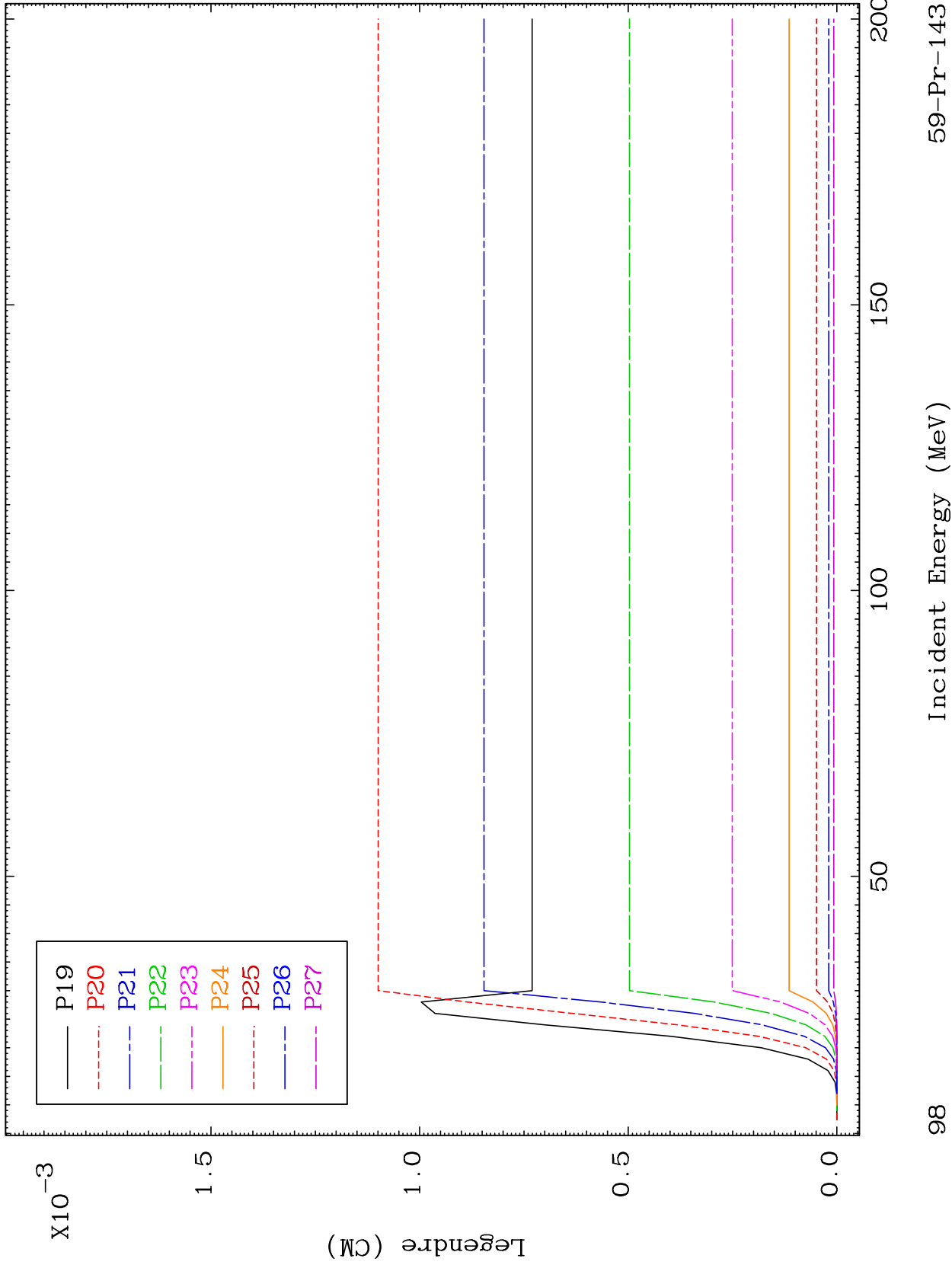
59-Pr-143



97

Incident Energy (MeV)

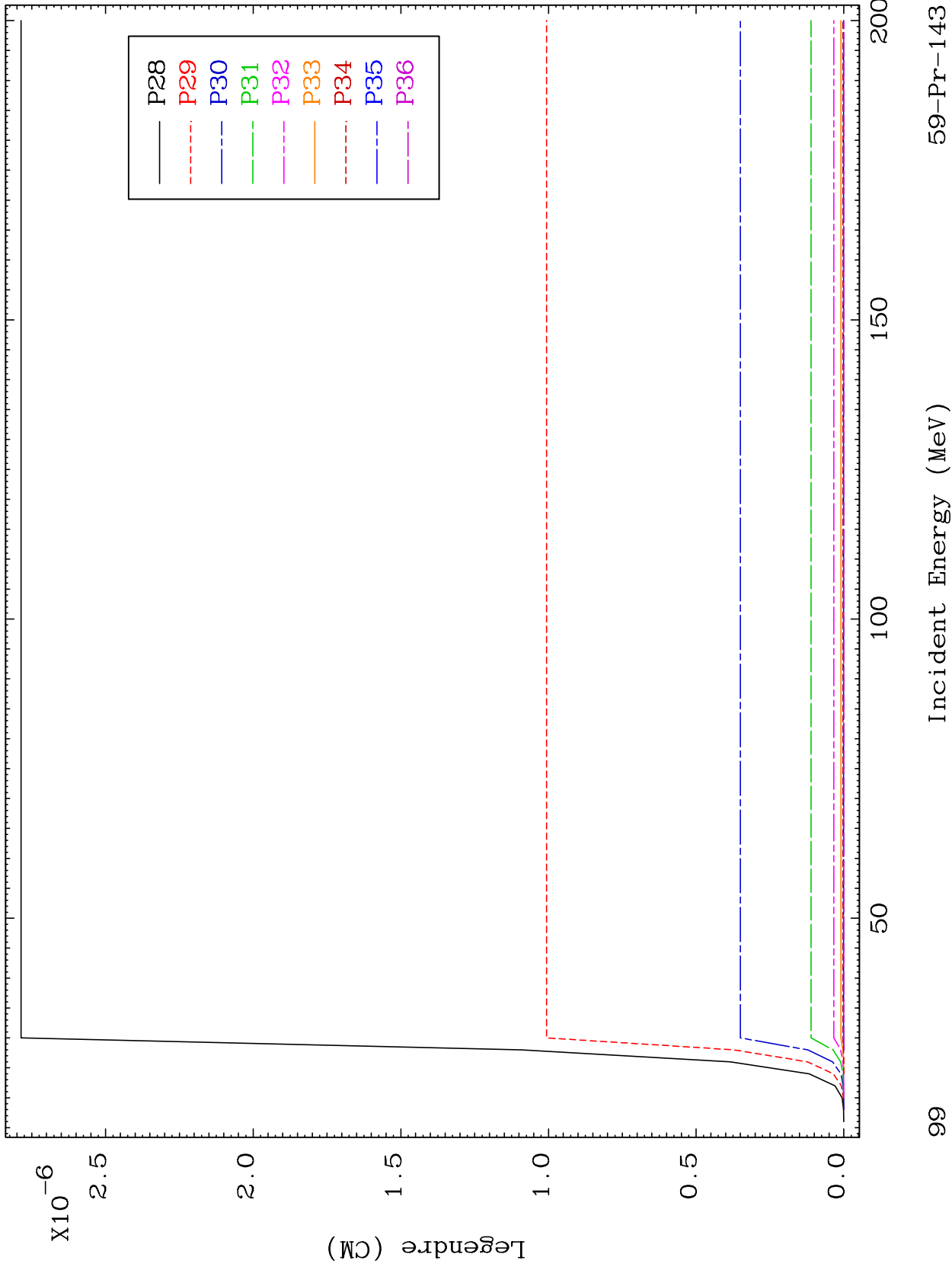
59-Pr-143



MAT 5931

2.141 MeV (n,n') Level  
Legendre Coefficients

59-Pr-143



99

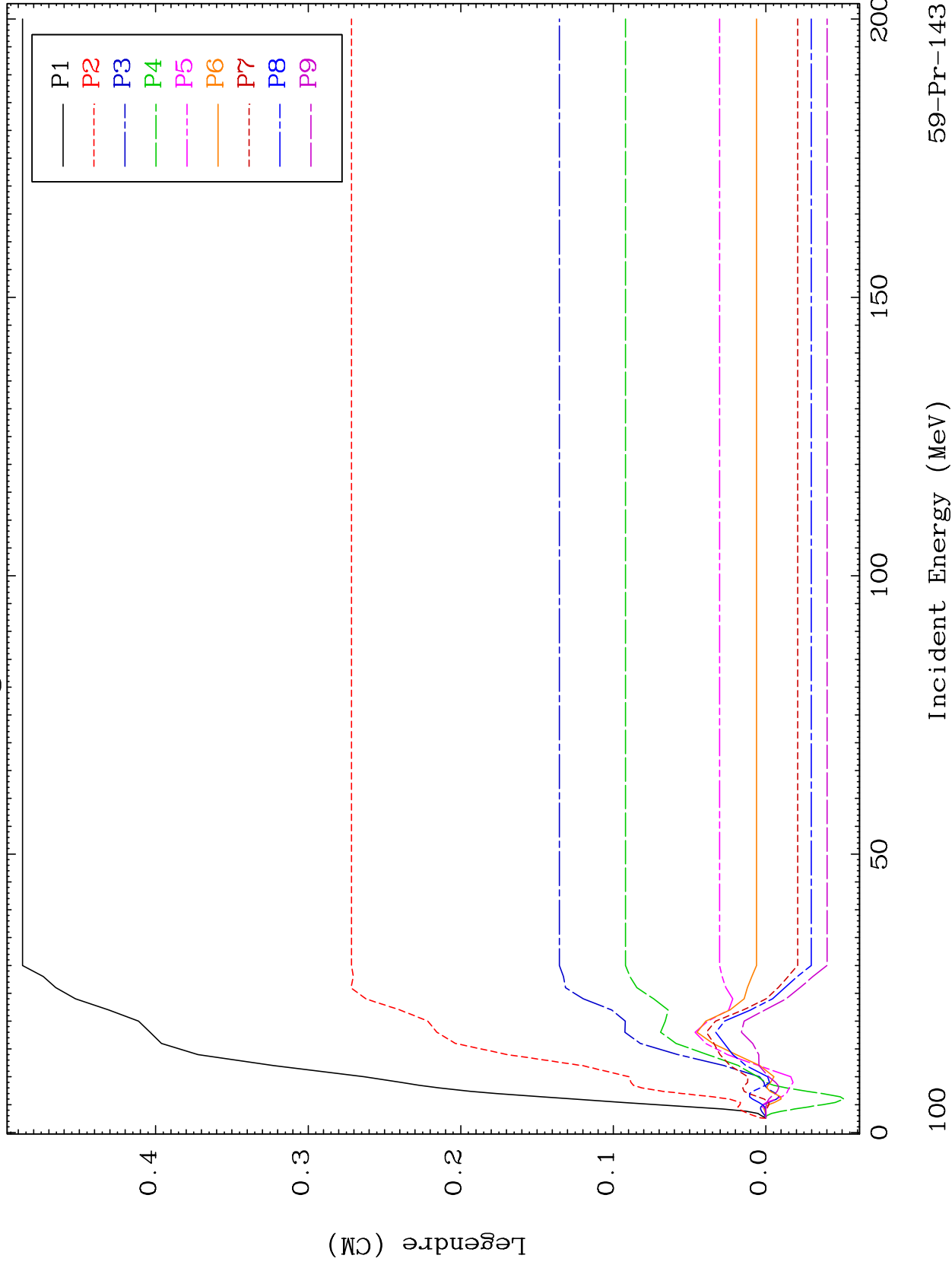
Incident Energy (MeV)

59-Pr-143

MAT 5931

2.512 MeV (n,n') Level  
Legendre Coefficients

59-Pr-143

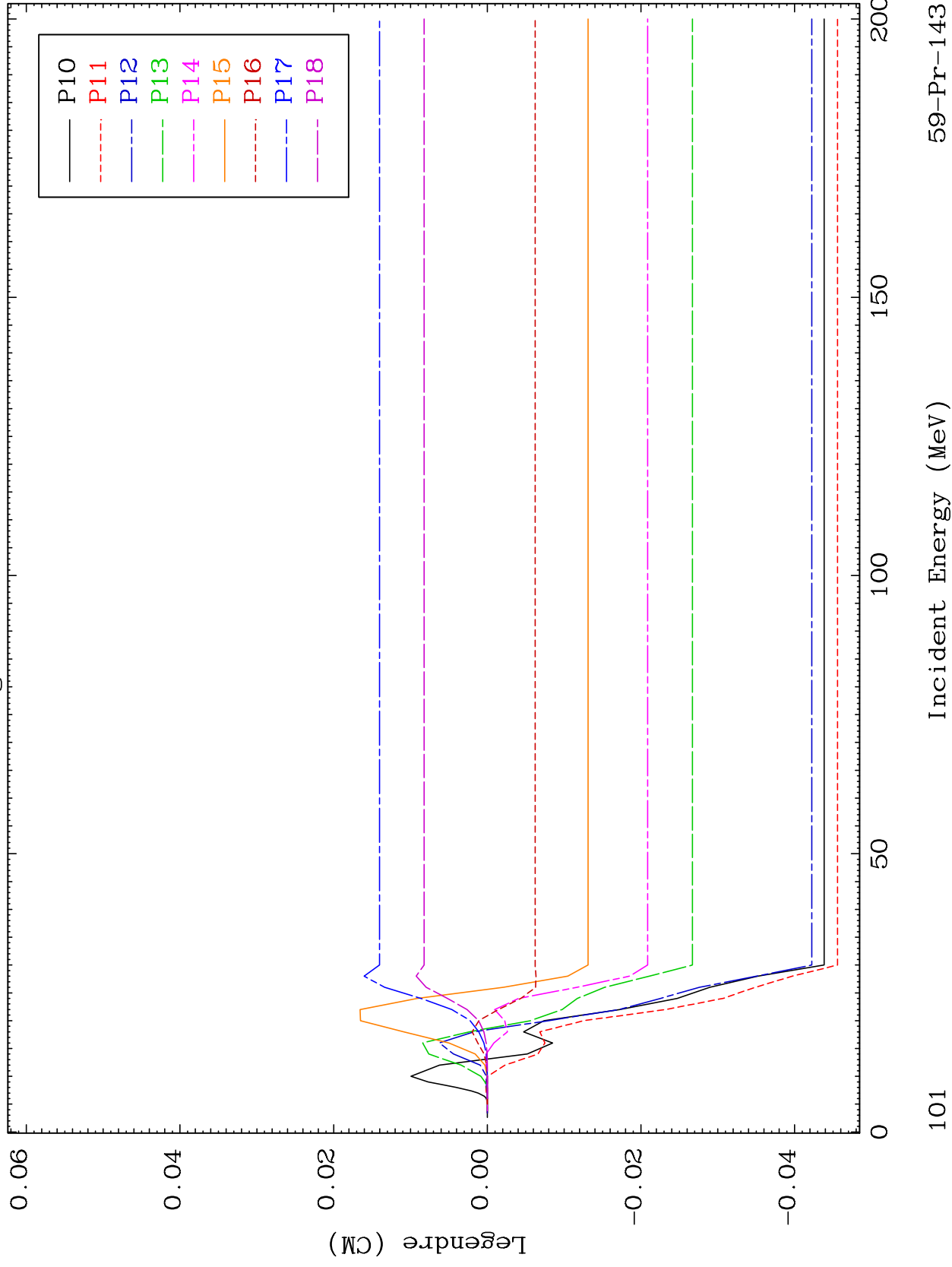


59-Pr-143

MAT 5931

2.512 MeV (n,n') Level  
Legendre Coefficients

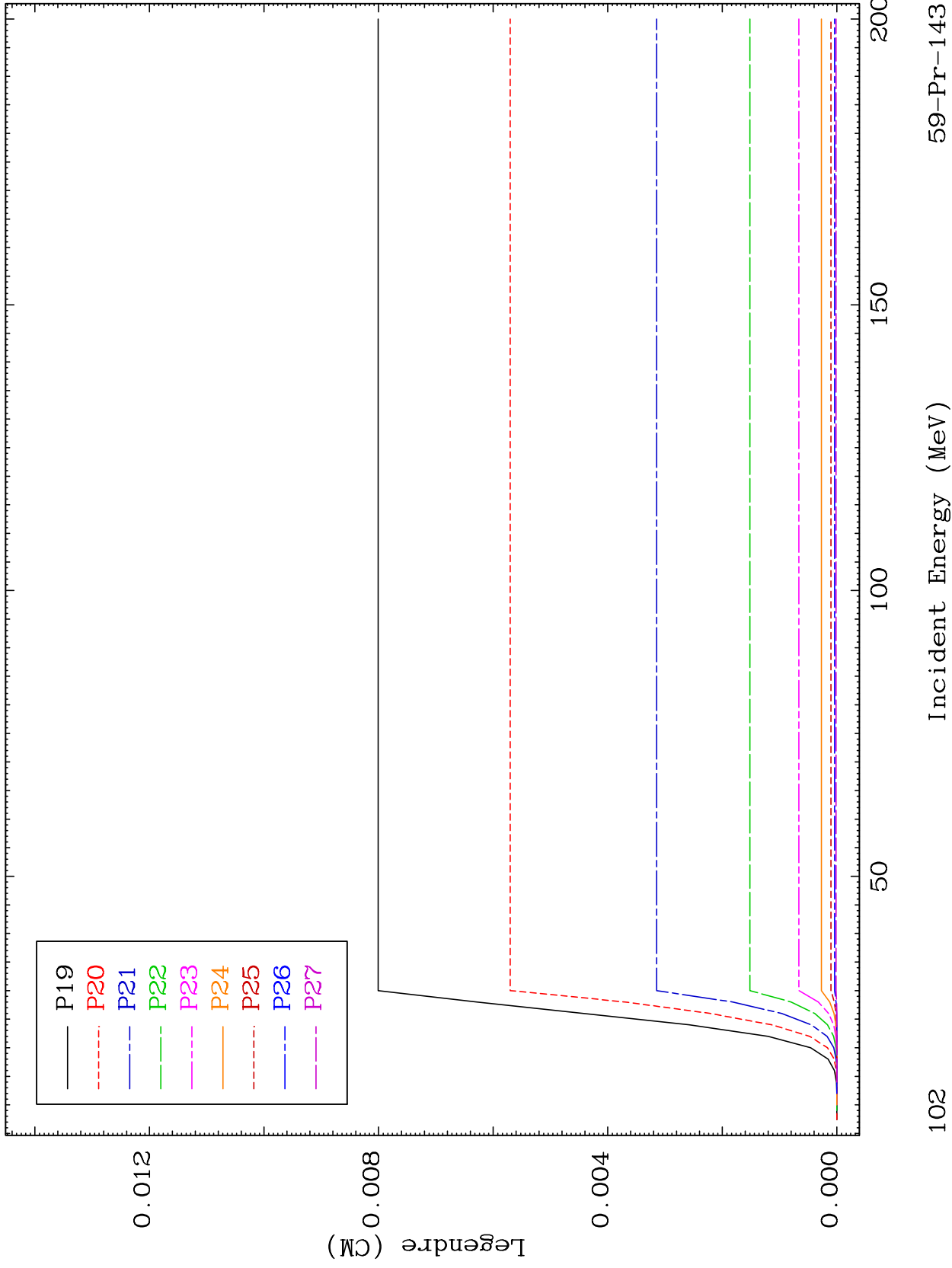
59-Pr-143



59-Pr-143

Incident Energy (MeV)

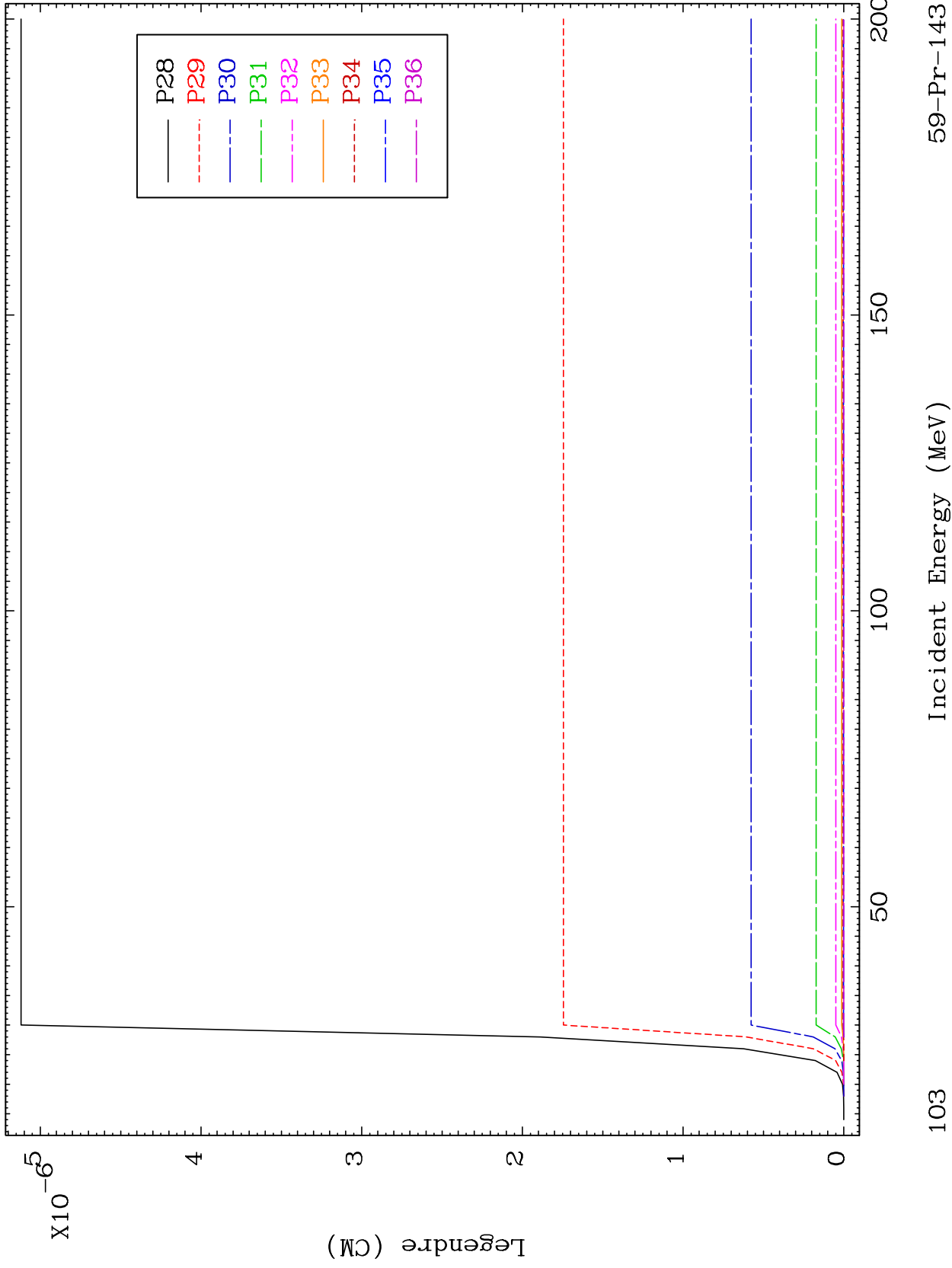
101



MAT 5931

2.512 MeV (n,n') Level  
Legendre Coefficients

59-Pr-143

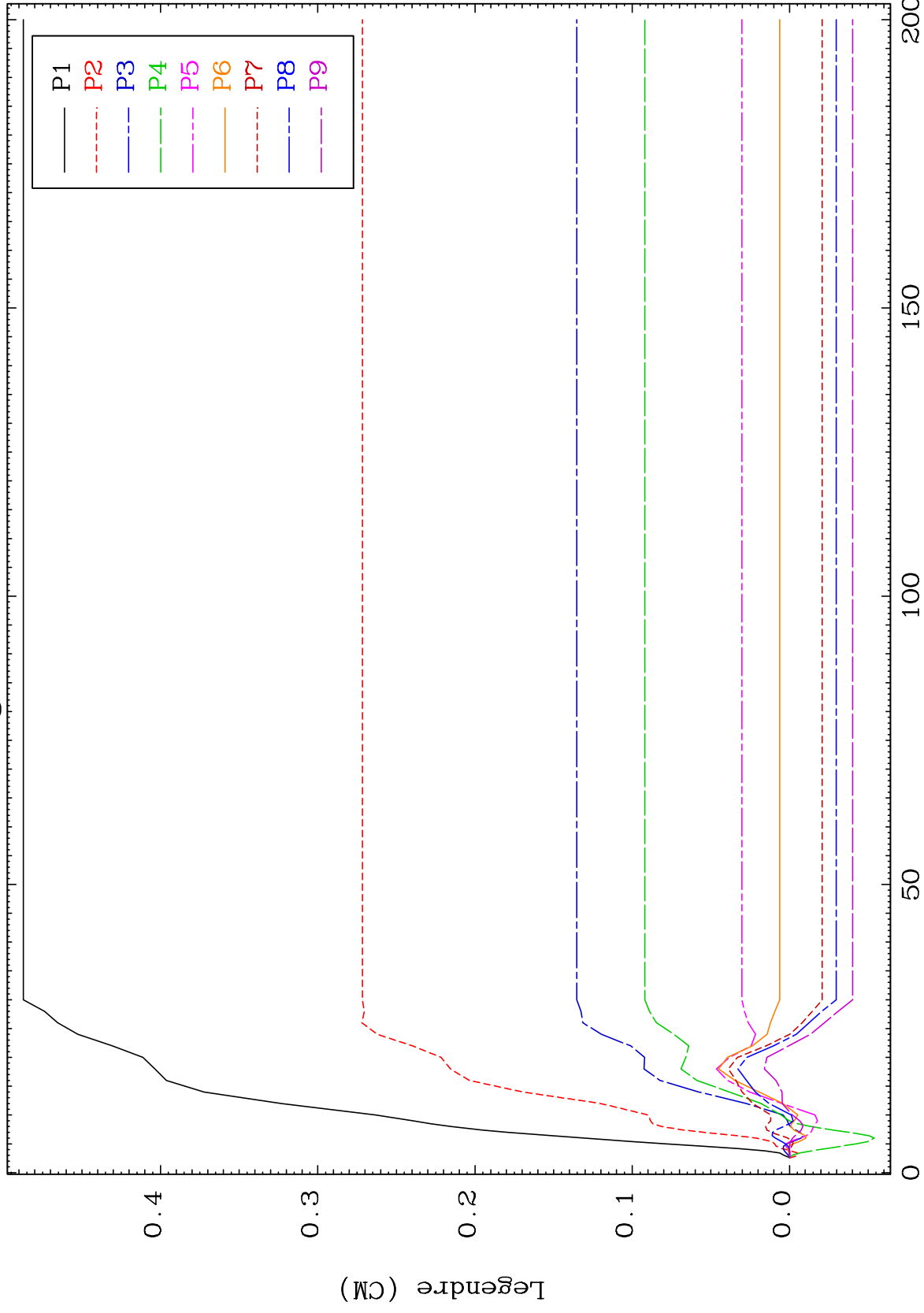




MAT 5931

2.513 MeV (n, n') Level  
Legendre Coefficients

59-Pr-143



104

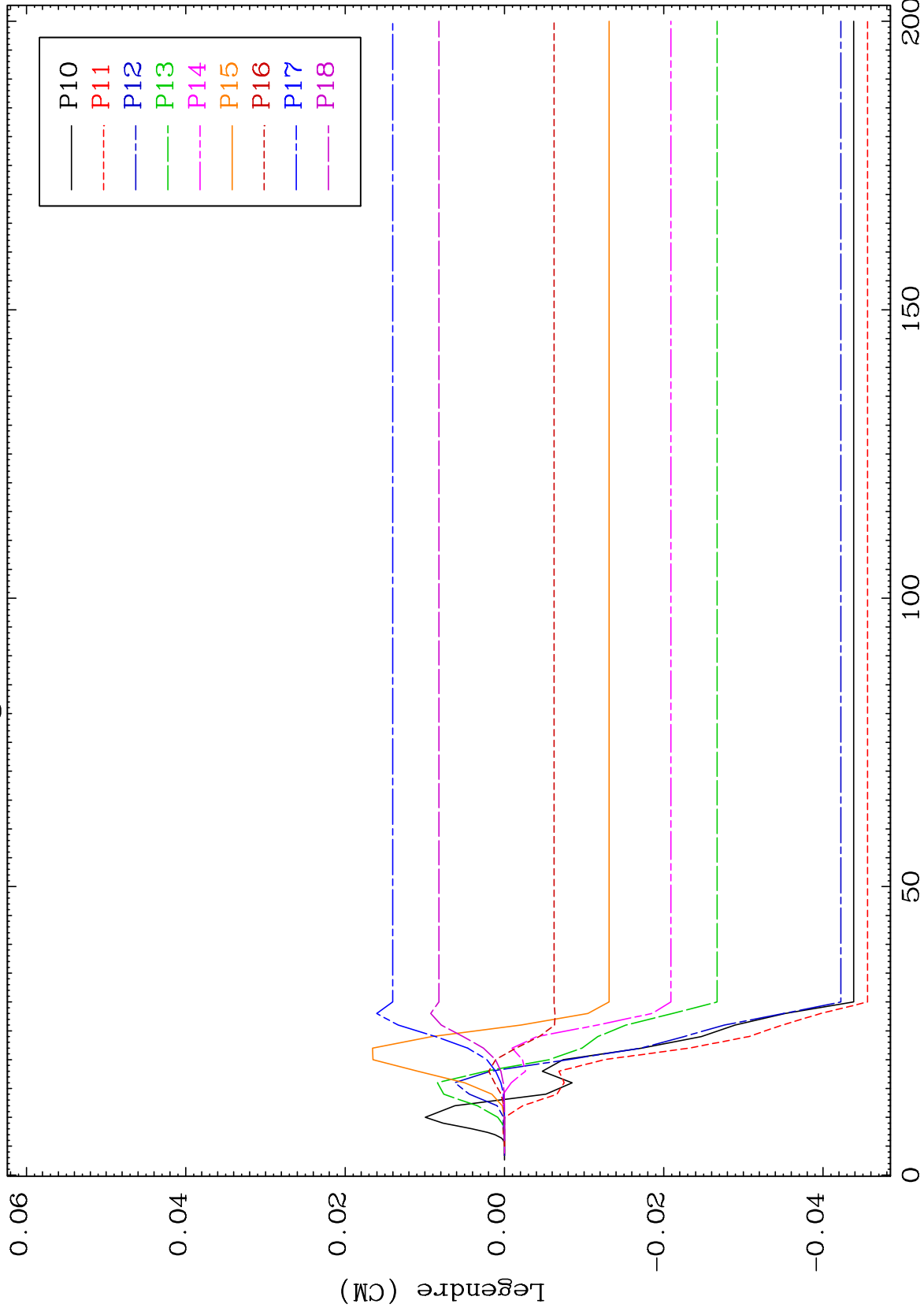
Incident Energy (MeV)

59-Pr-143

MAT 5931

2.513 MeV (n,n') Level  
Legendre Coefficients

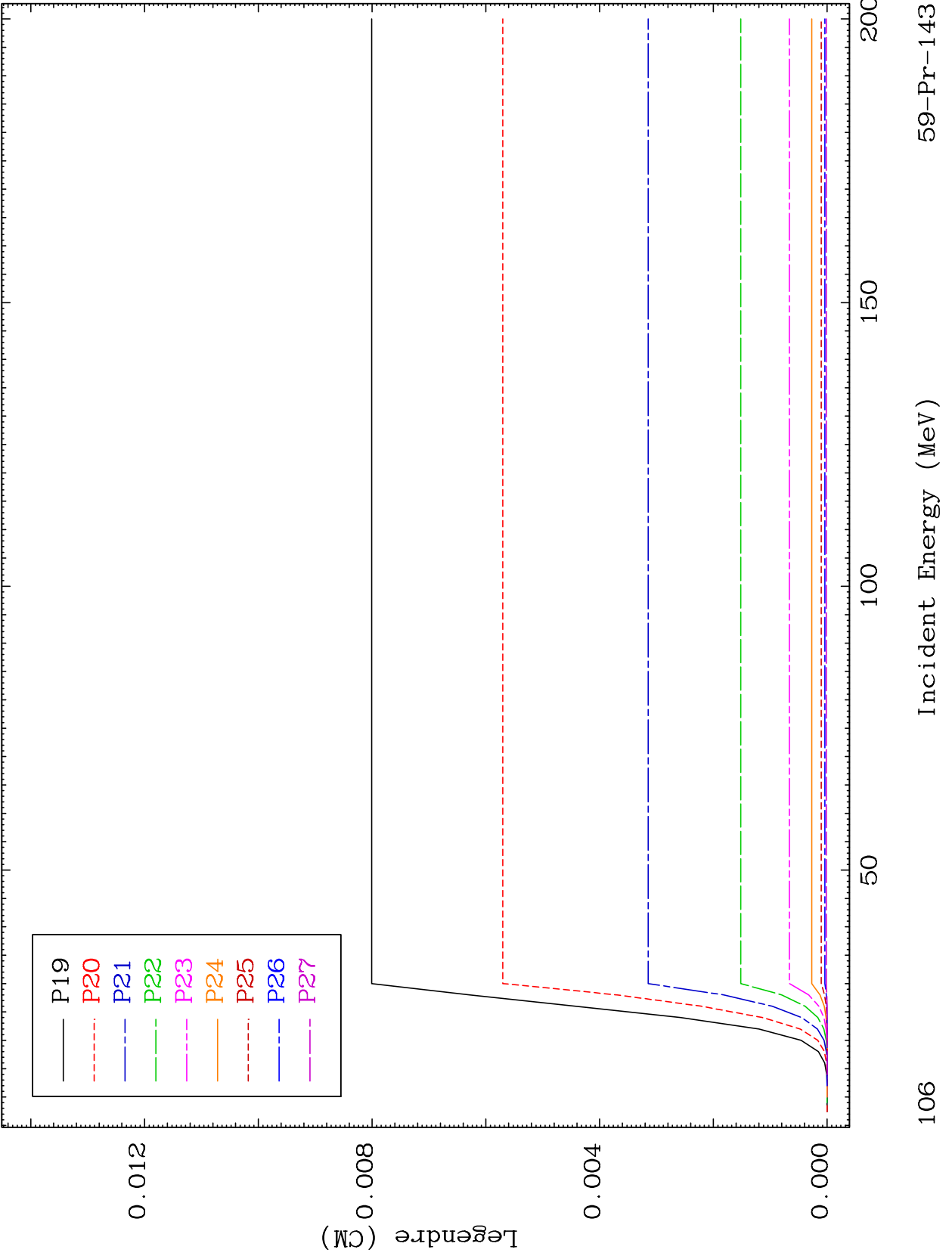
59-Pr-143



105

Incident Energy (MeV)

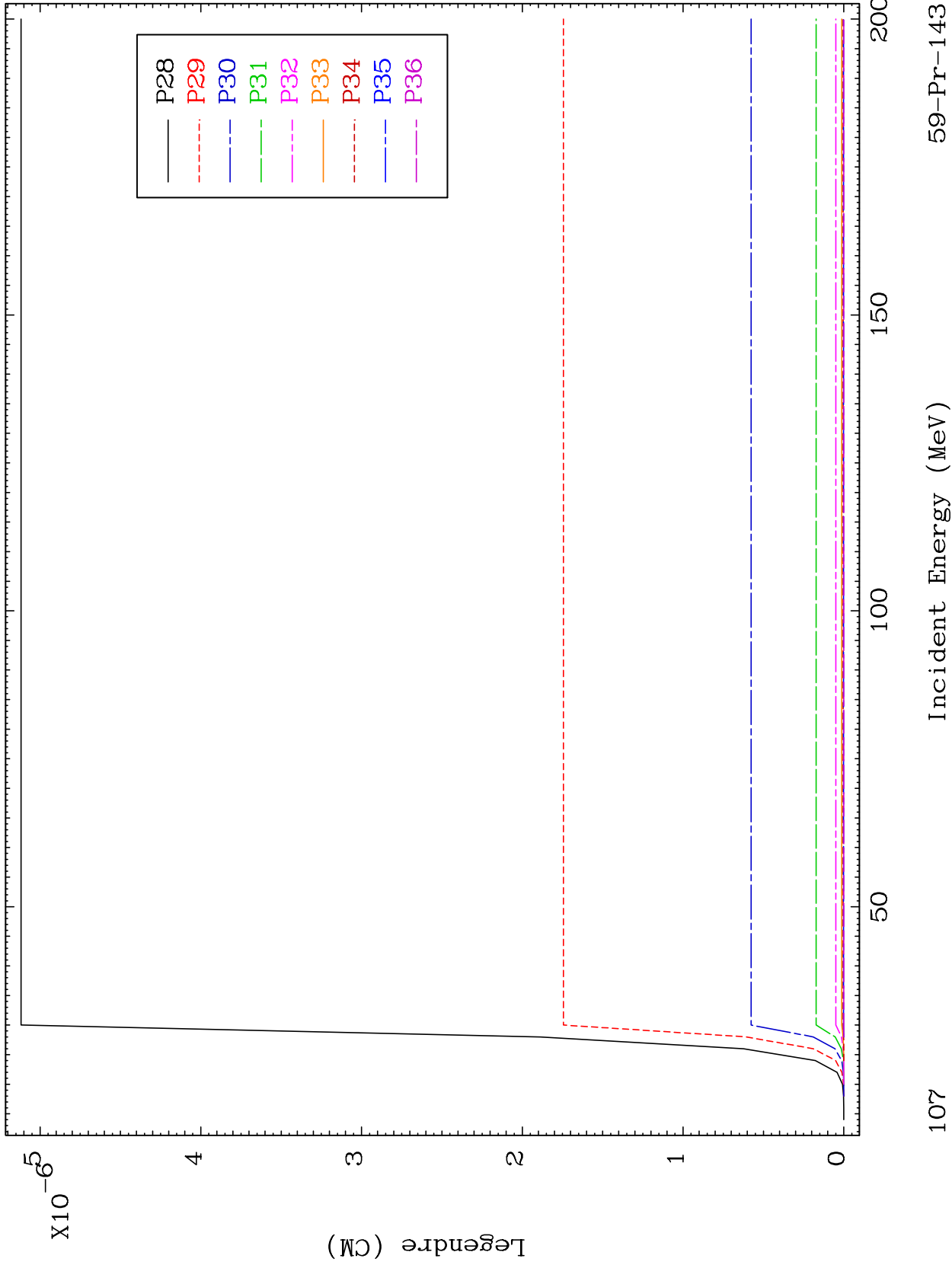
59-Pr-143



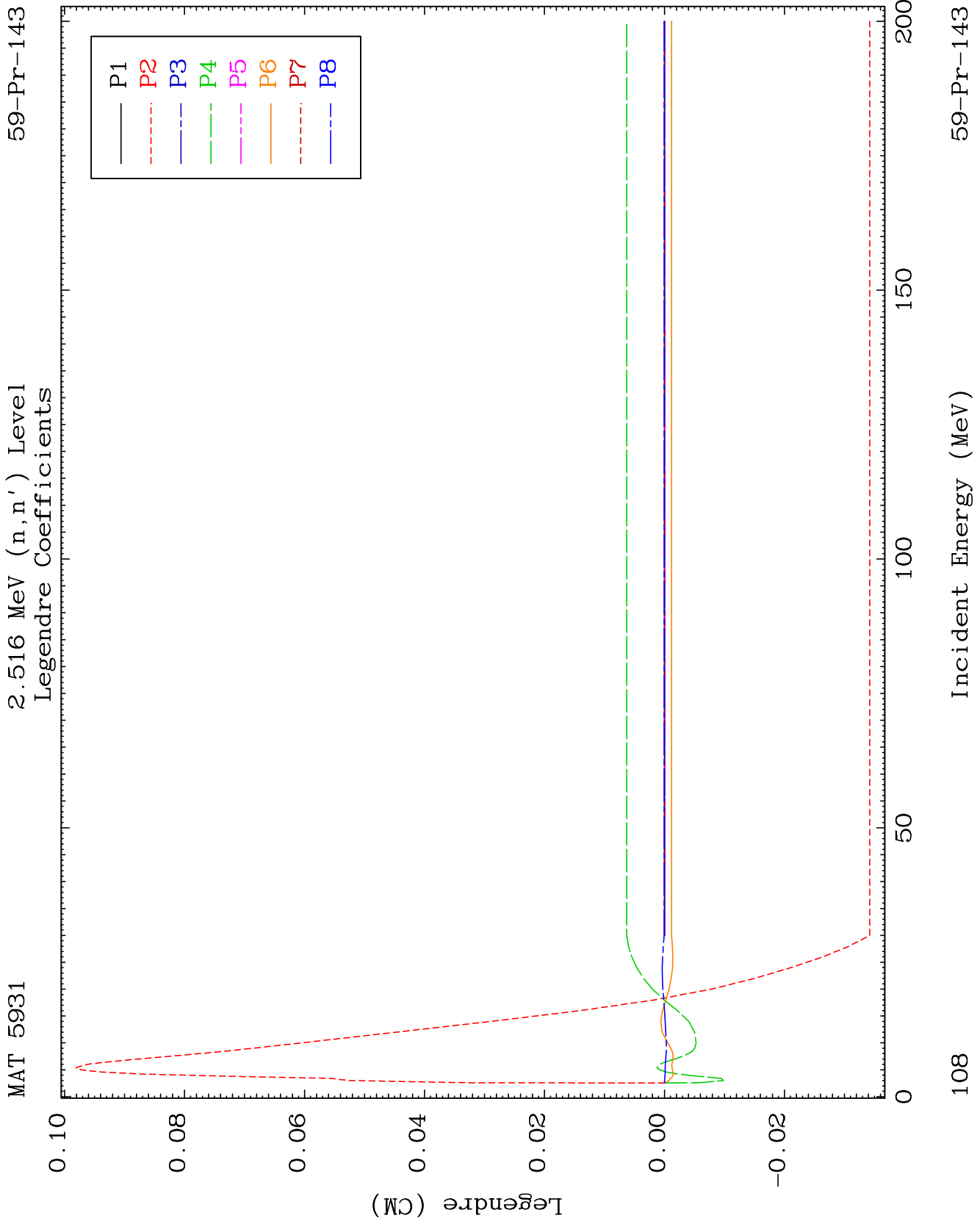
MAT 5931

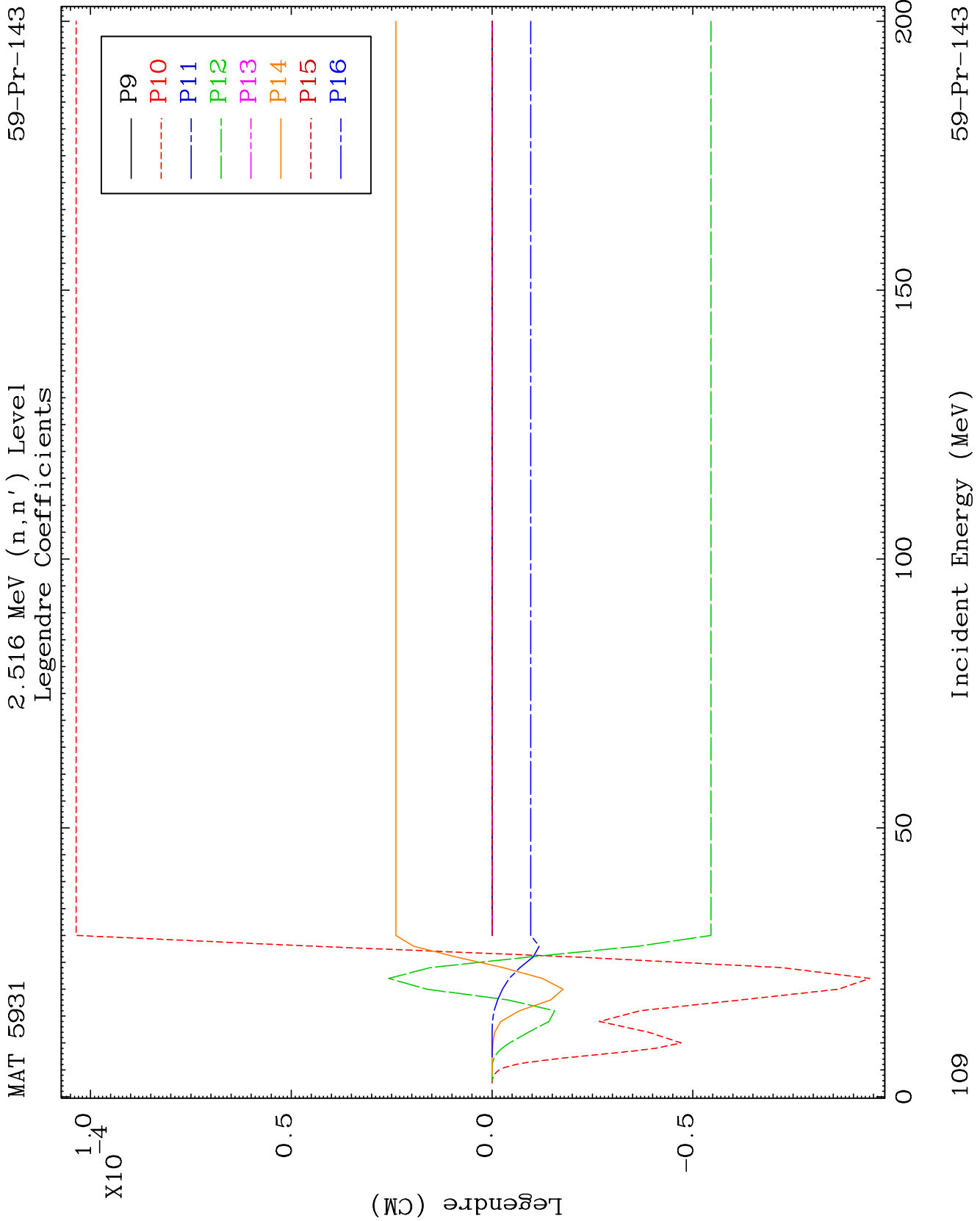
2.513 MeV (n,n') Level  
Legendre Coefficients

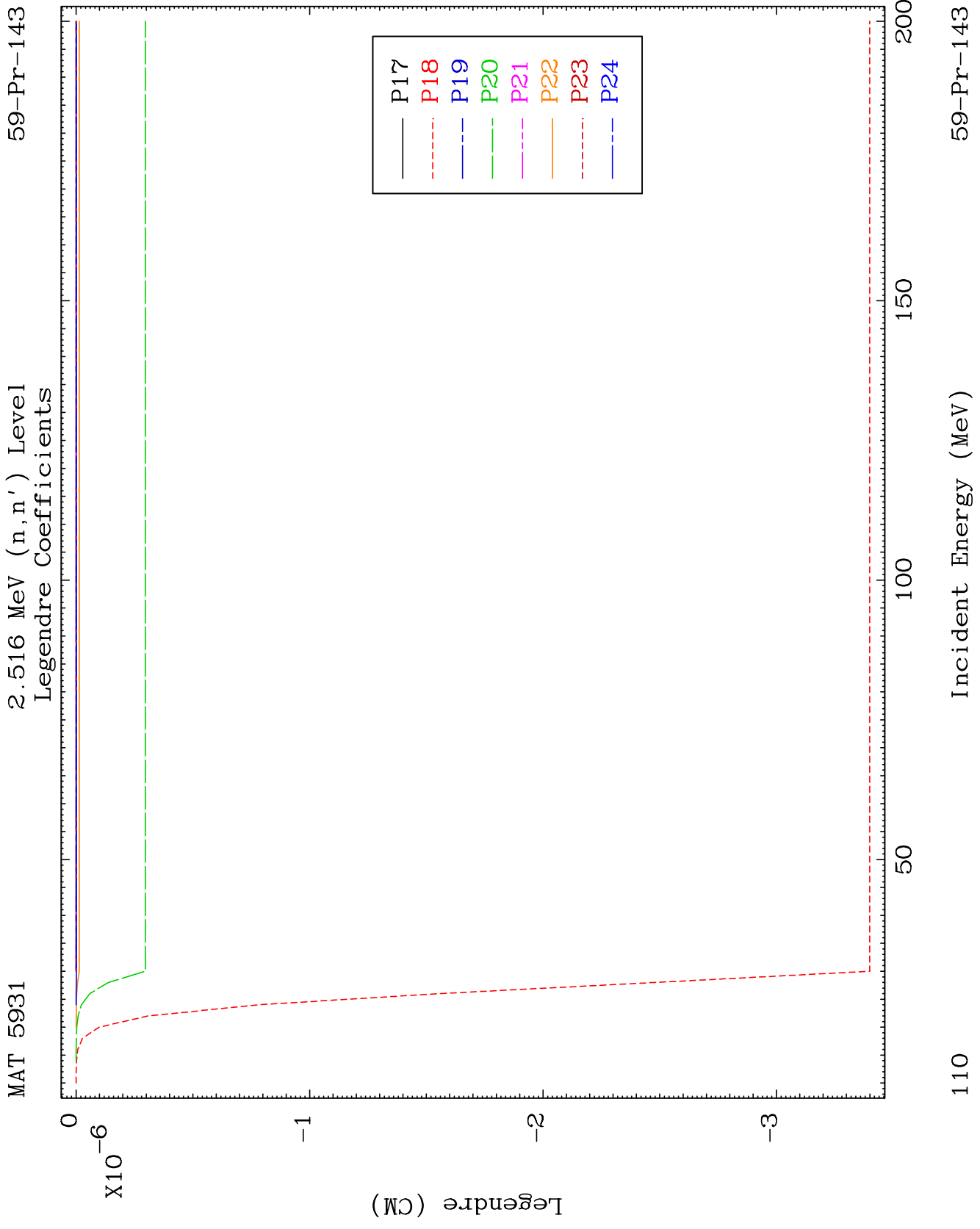
59-Pr-143



107



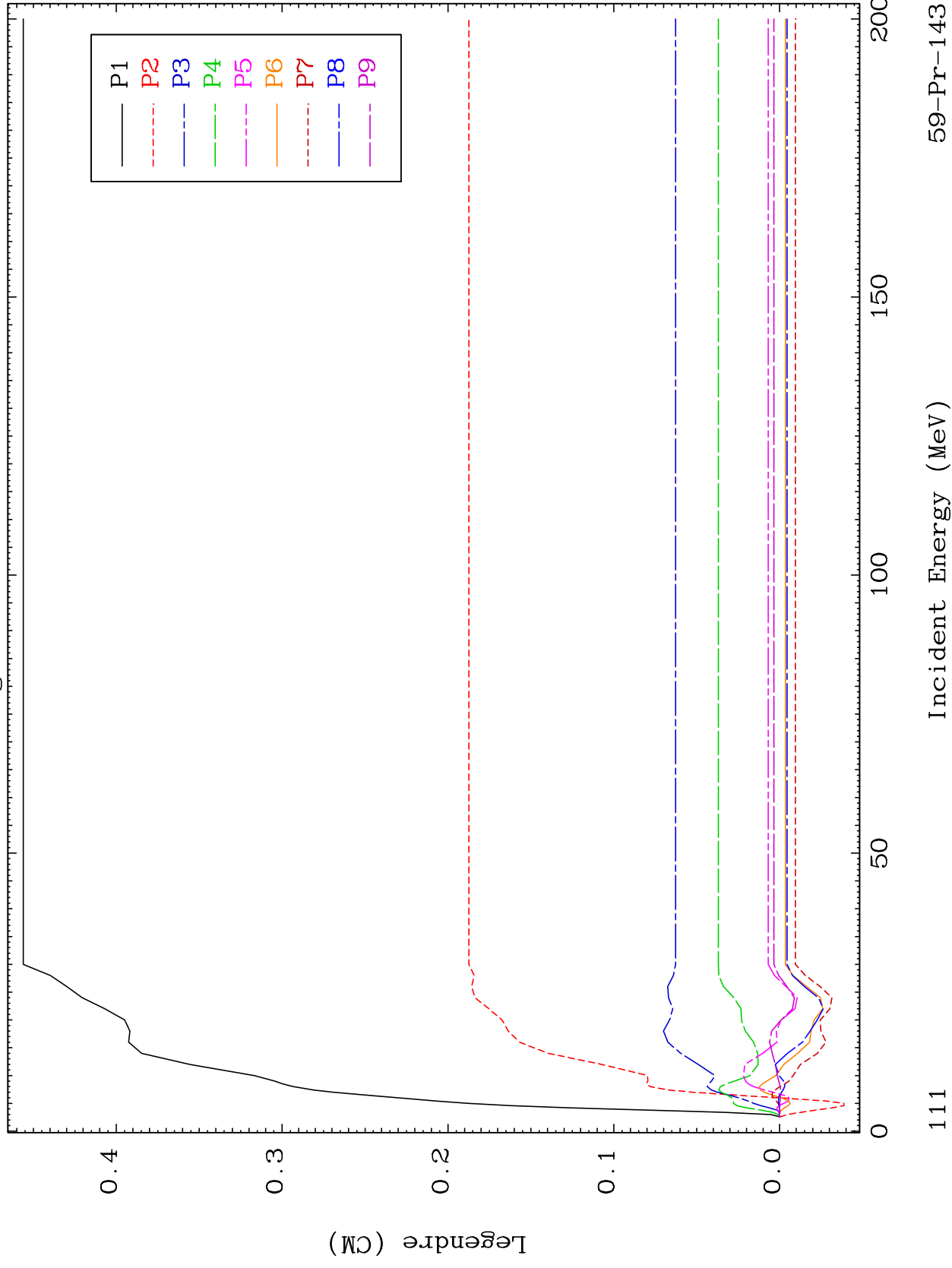




MAT 5931

2.518 MeV (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

Incident Energy (MeV)

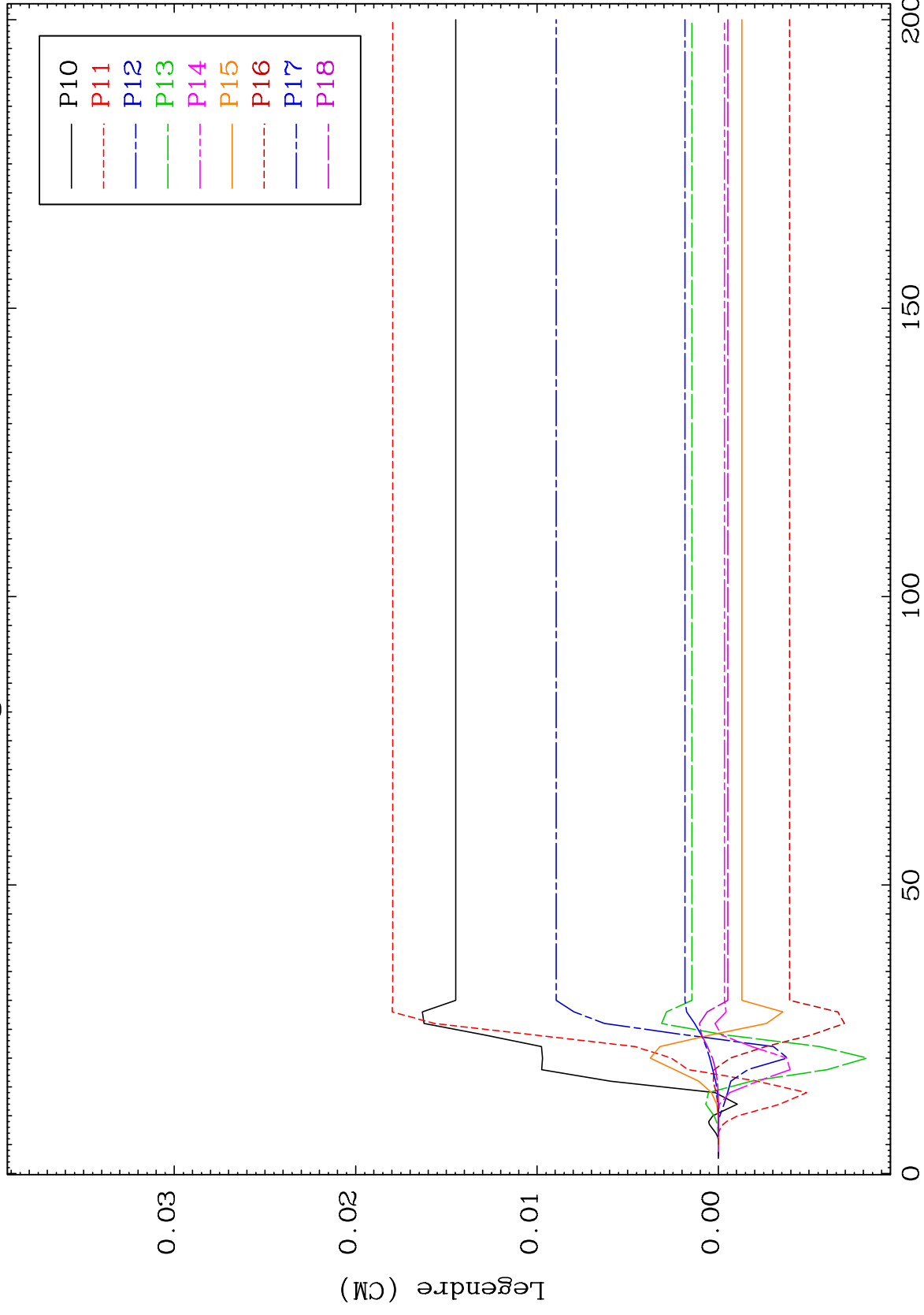
111



MAT 5931

2.518 MeV (n,n') Level  
Legendre Coefficients

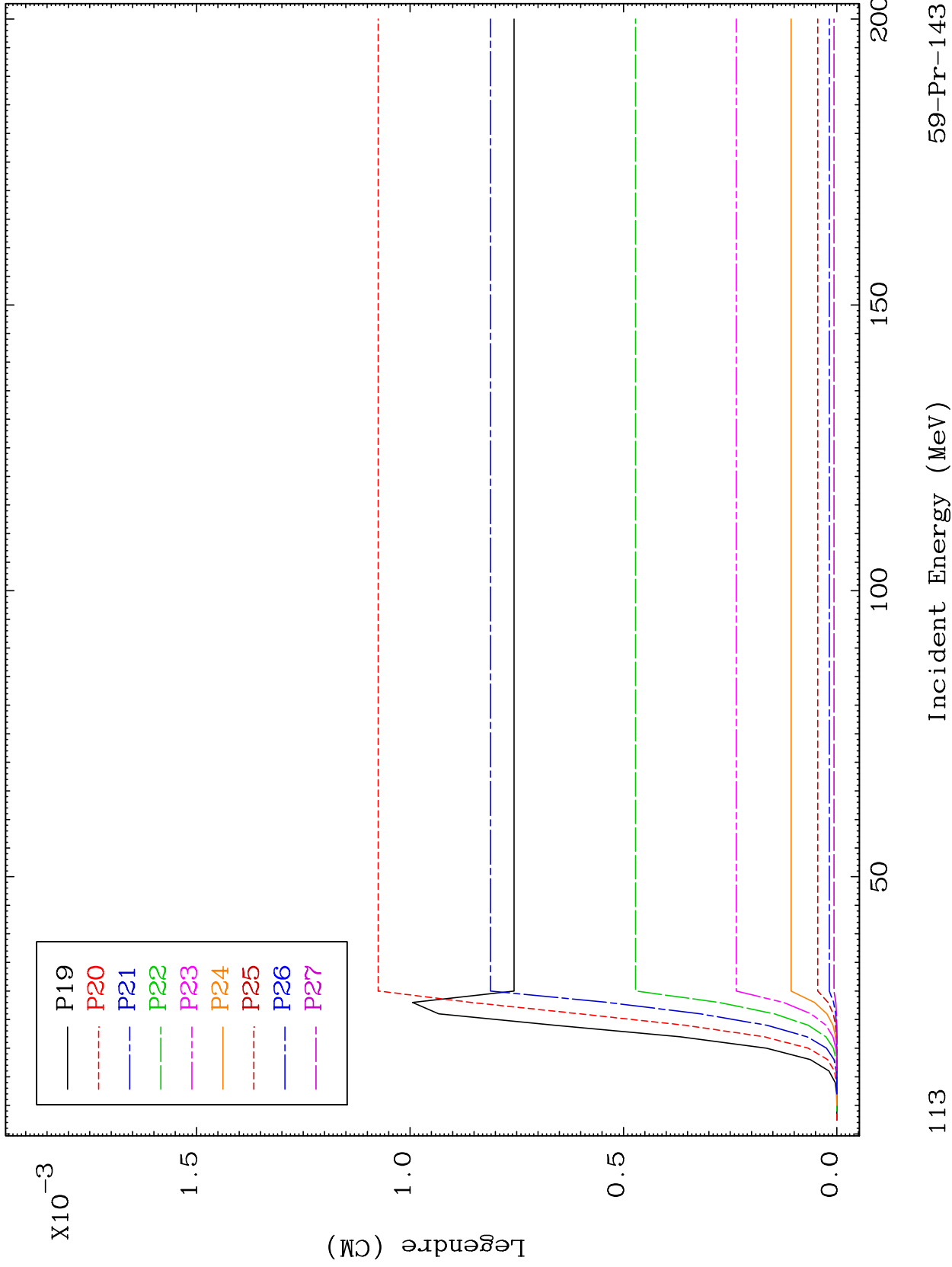
59-Pr-143



112

Incident Energy (MeV)

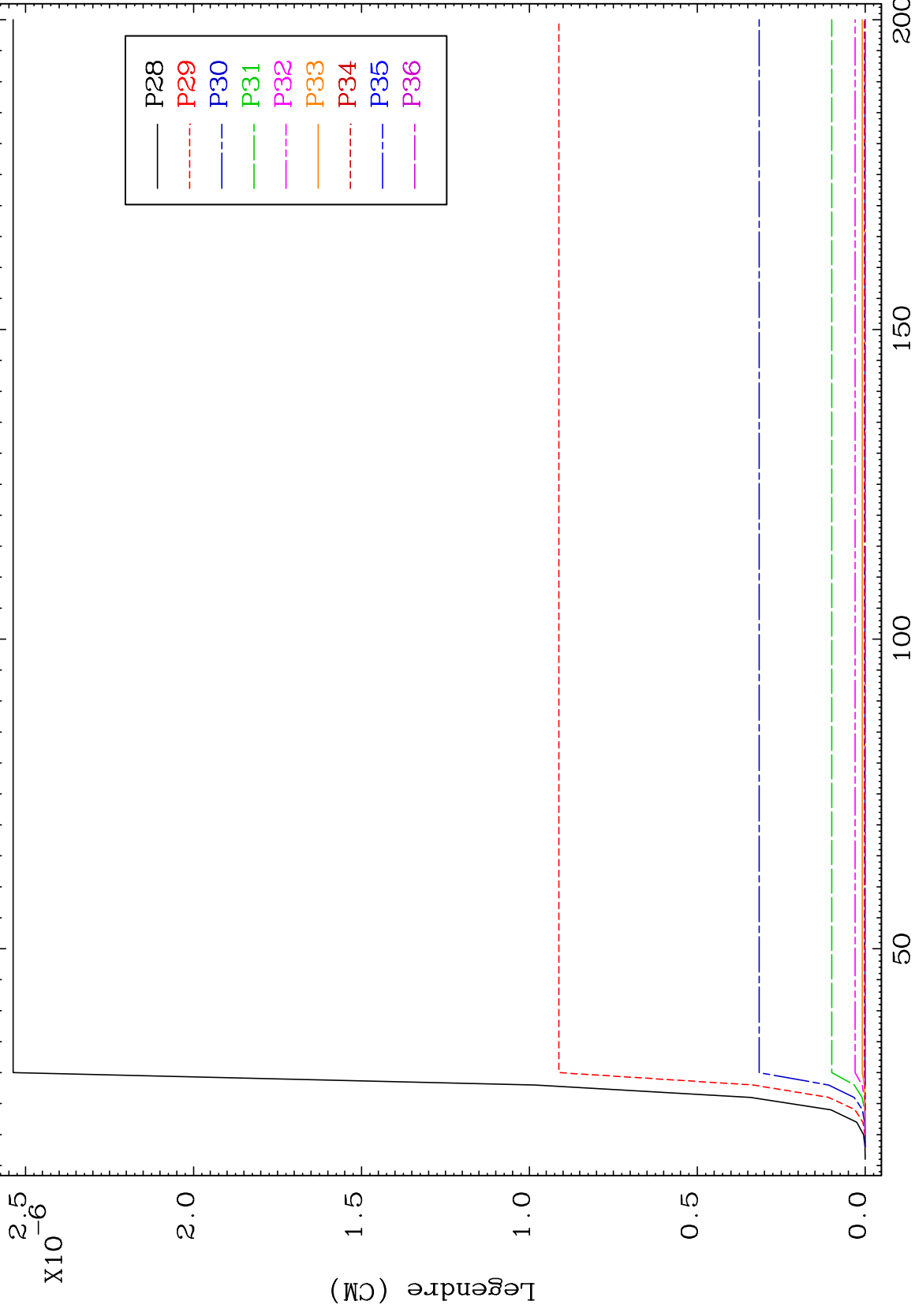
59-Pr-143



MAT 5931

2.518 MeV (n, n') Level  
Legendre Coefficients

59-Pr-143



114

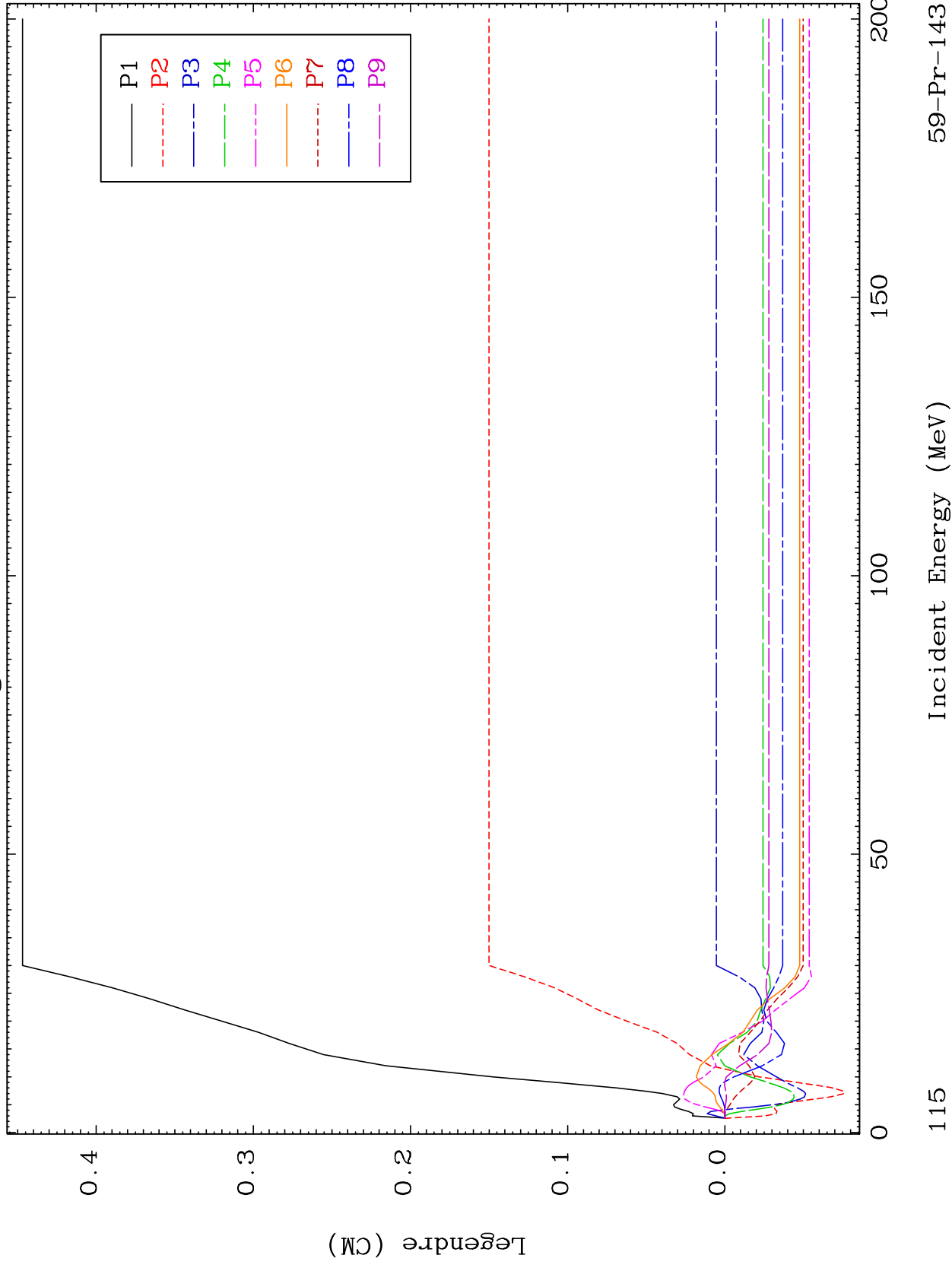
Incident Energy (MeV)

59-Pr-143

MAT 5931

2.519 MeV (n,n') Level  
Legendre Coefficients

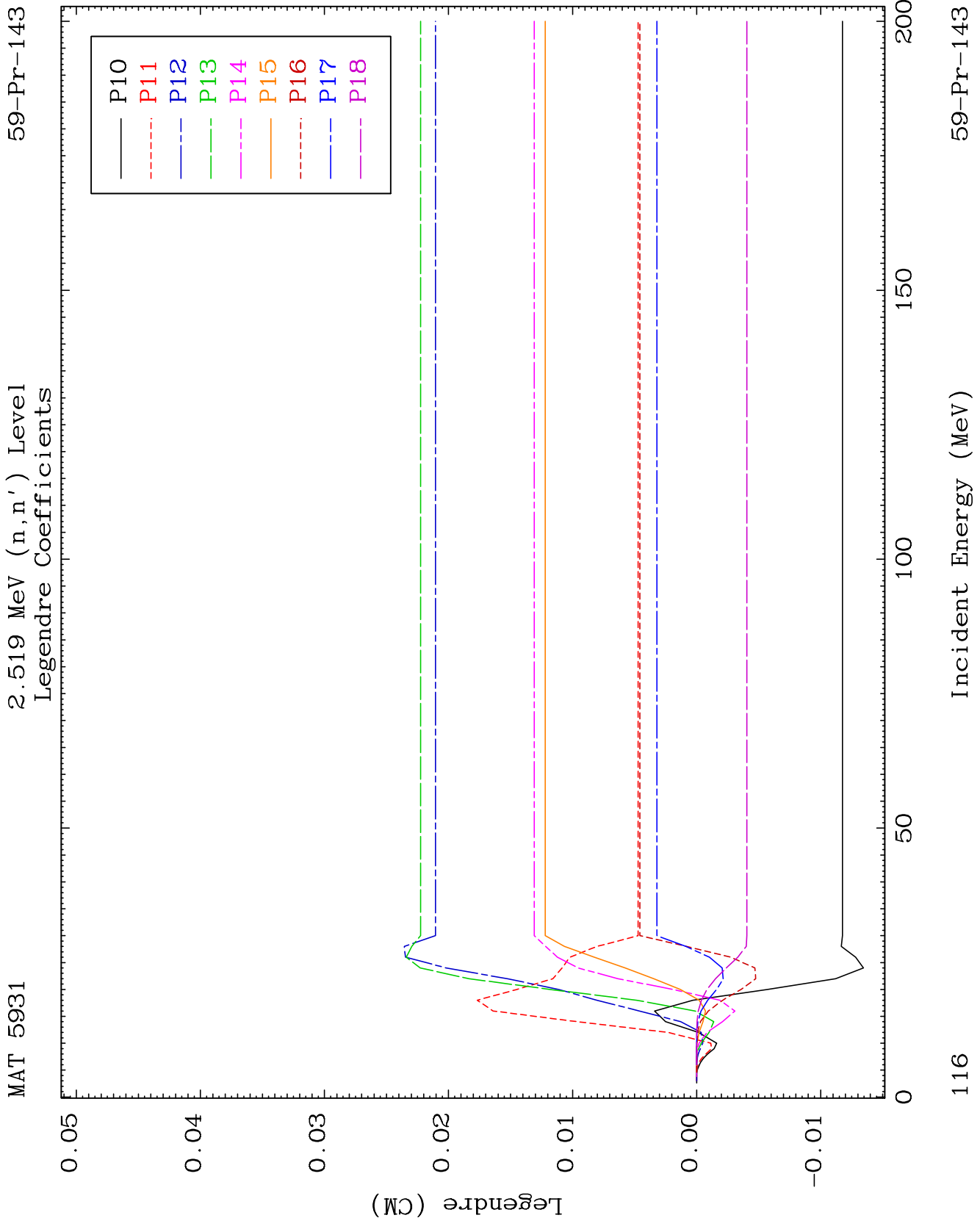
59-Pr-143



59-Pr-143

Incident Energy (MeV)

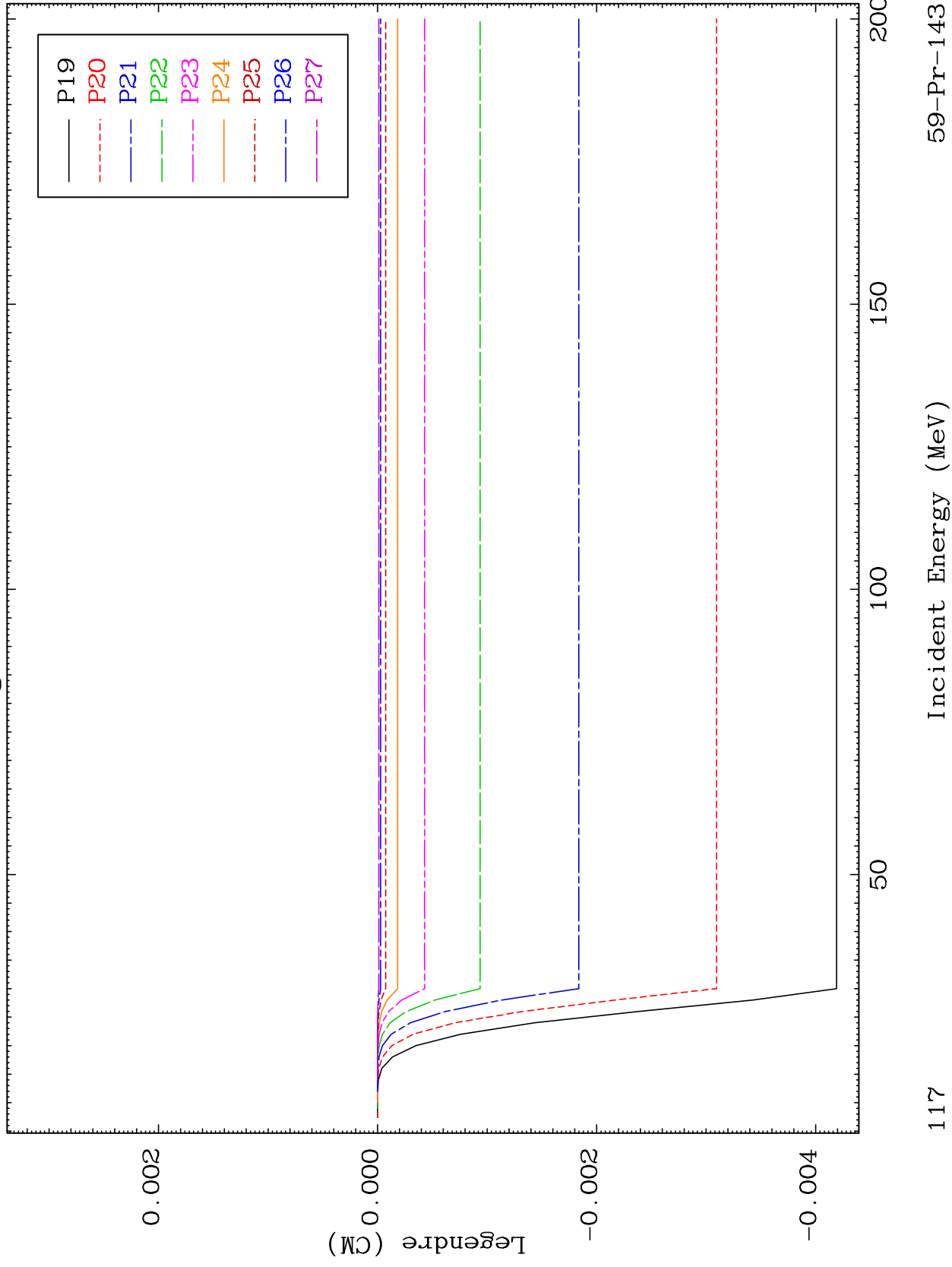
115



MAT 5931

2.519 MeV (n,n') Level  
Legendre Coefficients

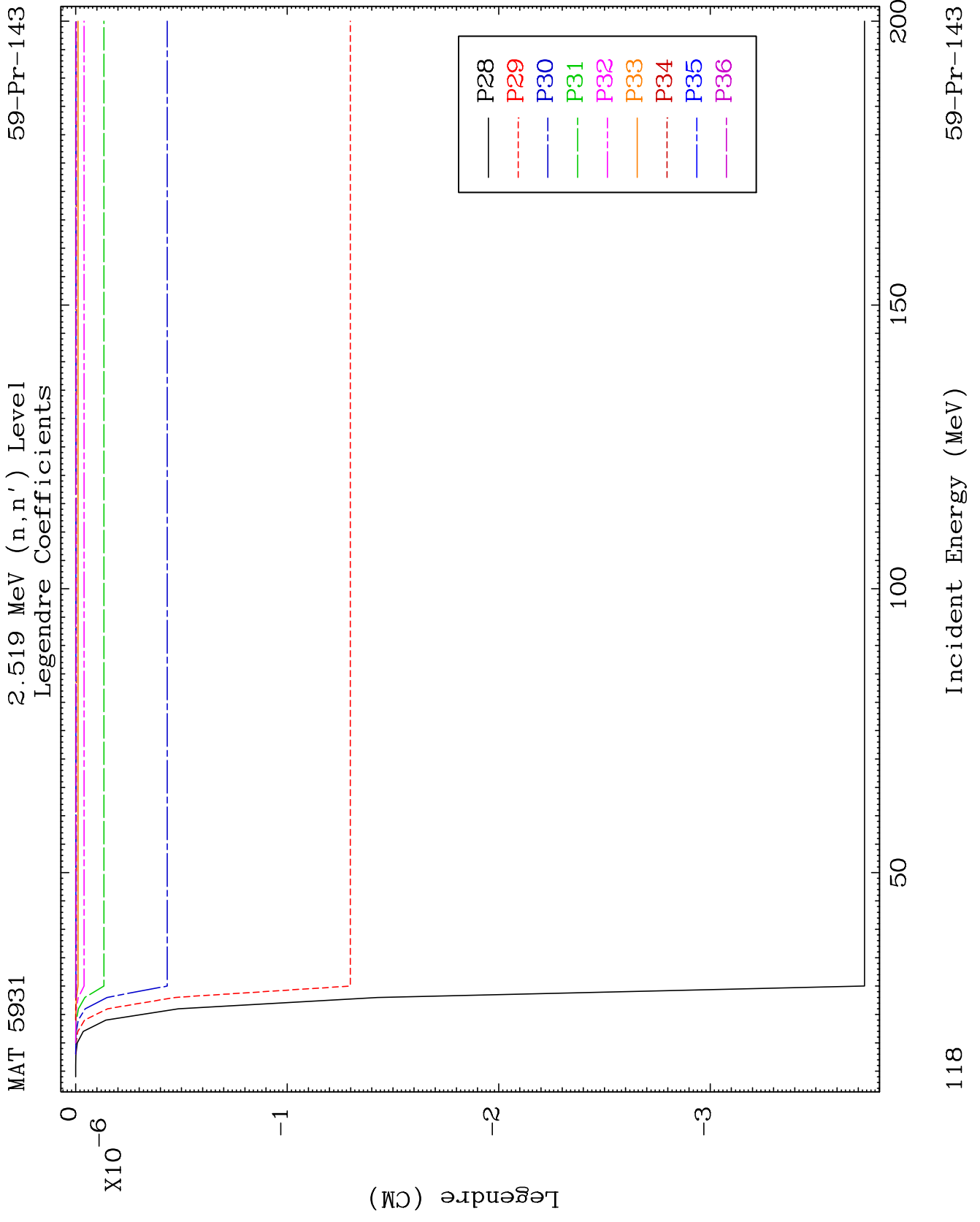
59-Pr-143



117

Incident Energy (MeV)

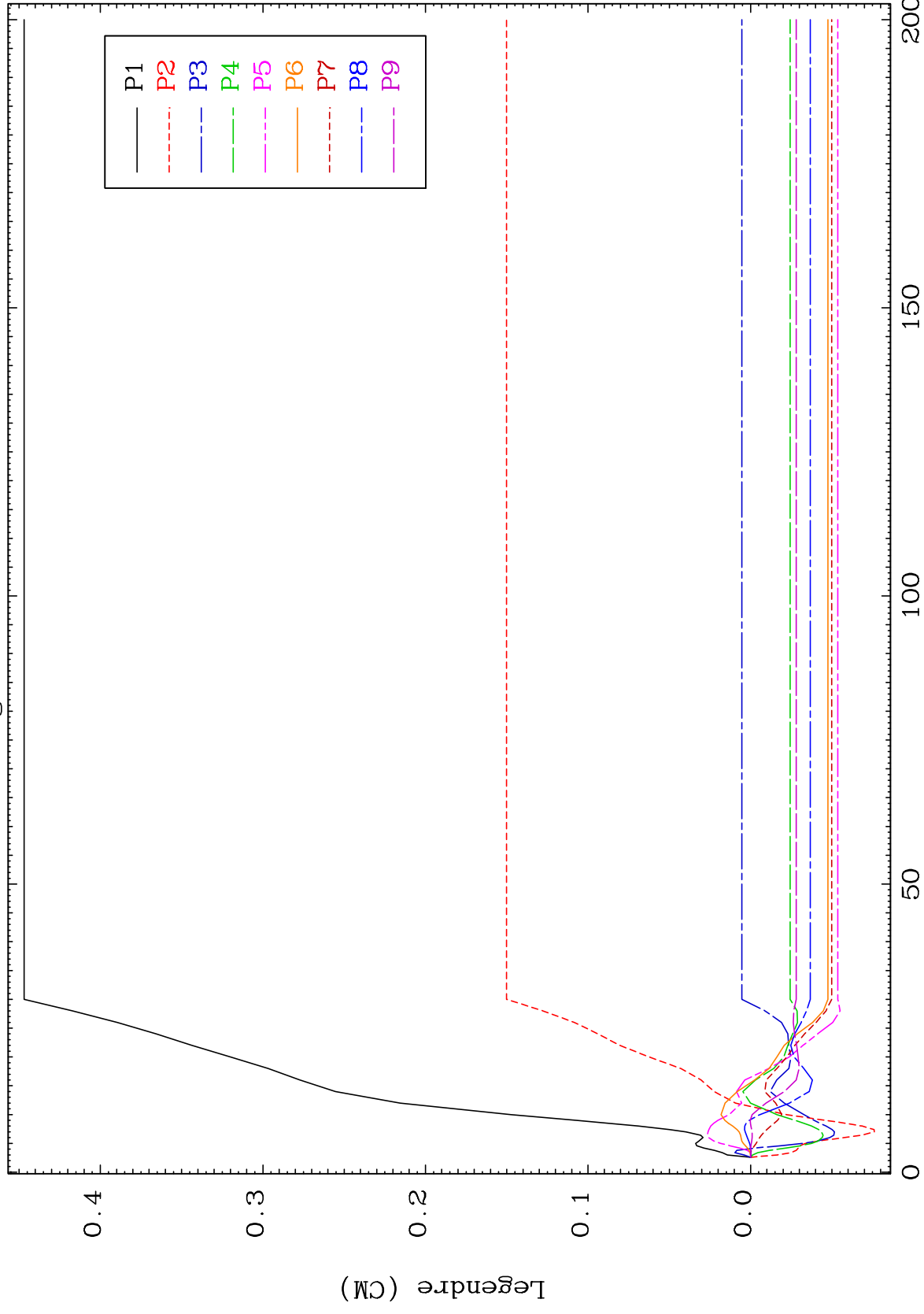
59-Pr-143



MAT 5931

2.521 MeV (n,n') Level  
Legendre Coefficients

59-Pr-143



119

Incident Energy (MeV)

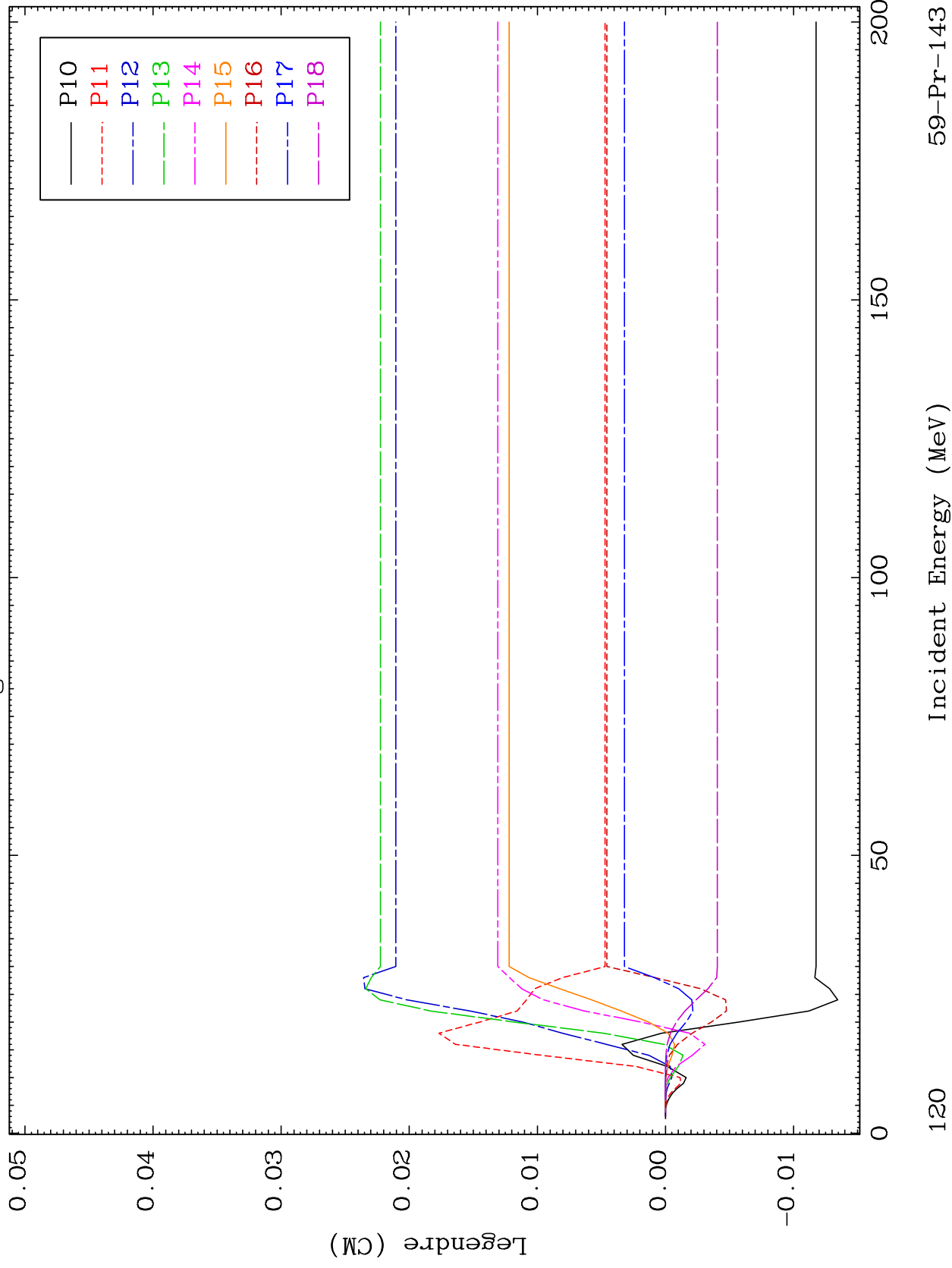
59-Pr-143



MAT 5931

2.521 MeV (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

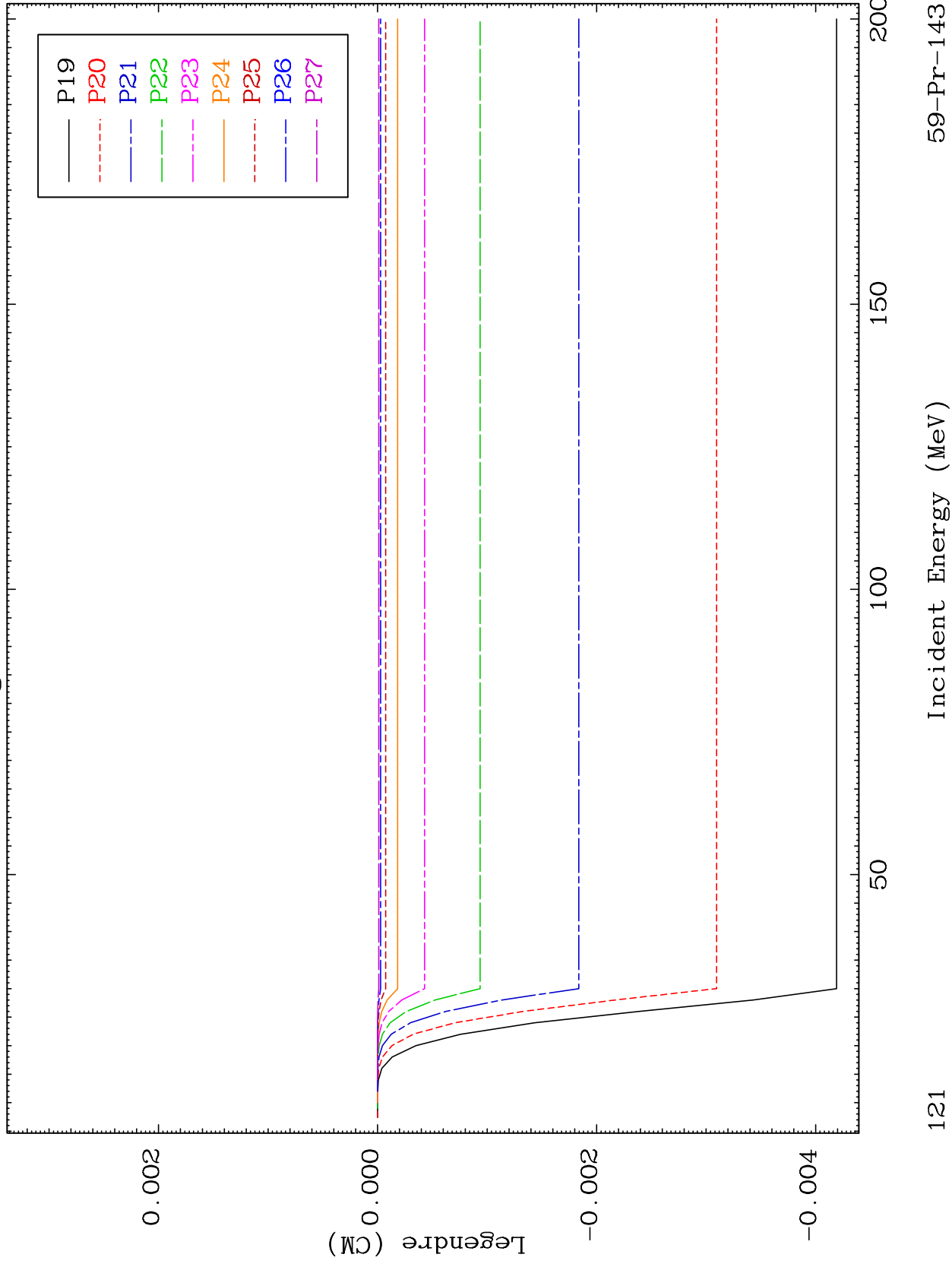
Incident Energy (MeV)

120

MAT 5931

2.521 MeV (n,n') Level  
Legendre Coefficients

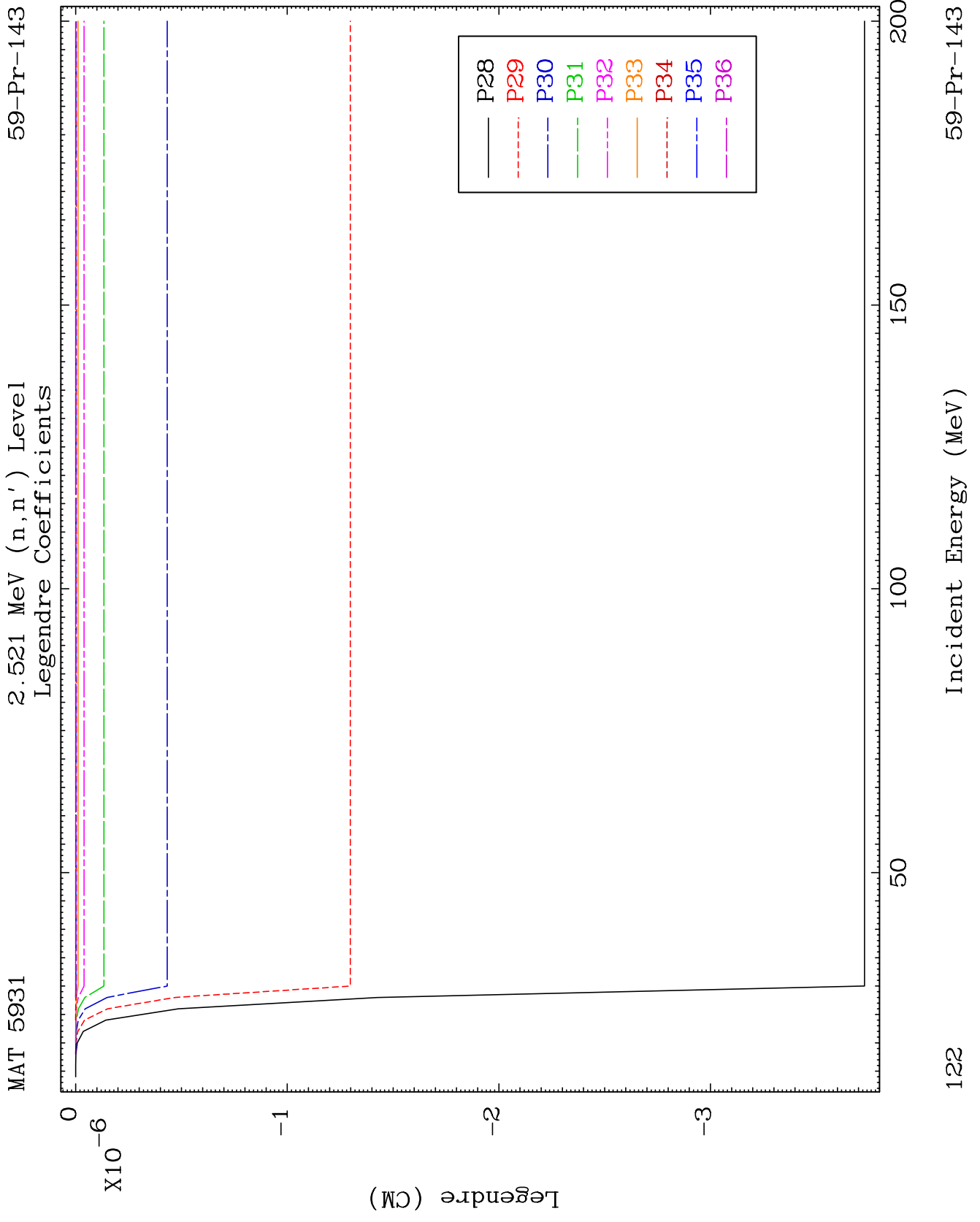
59-Pr-143



121

Incident Energy (MeV)

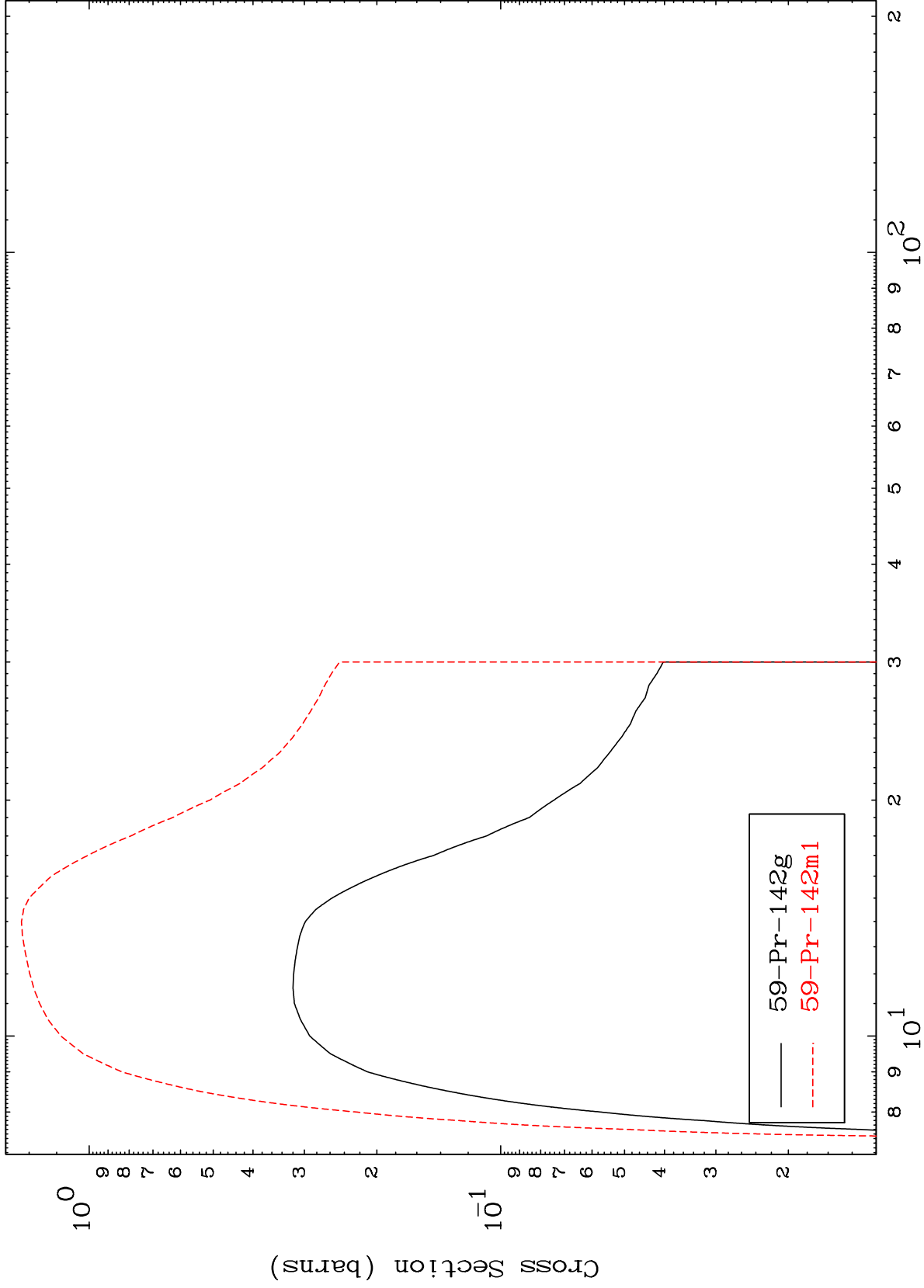
59-Pr-143



MAT 5931

59-Pr-143

(n,2n)  
Radionuclide Production Cross Section



59-Pr-143

Incident Energy (MeV)

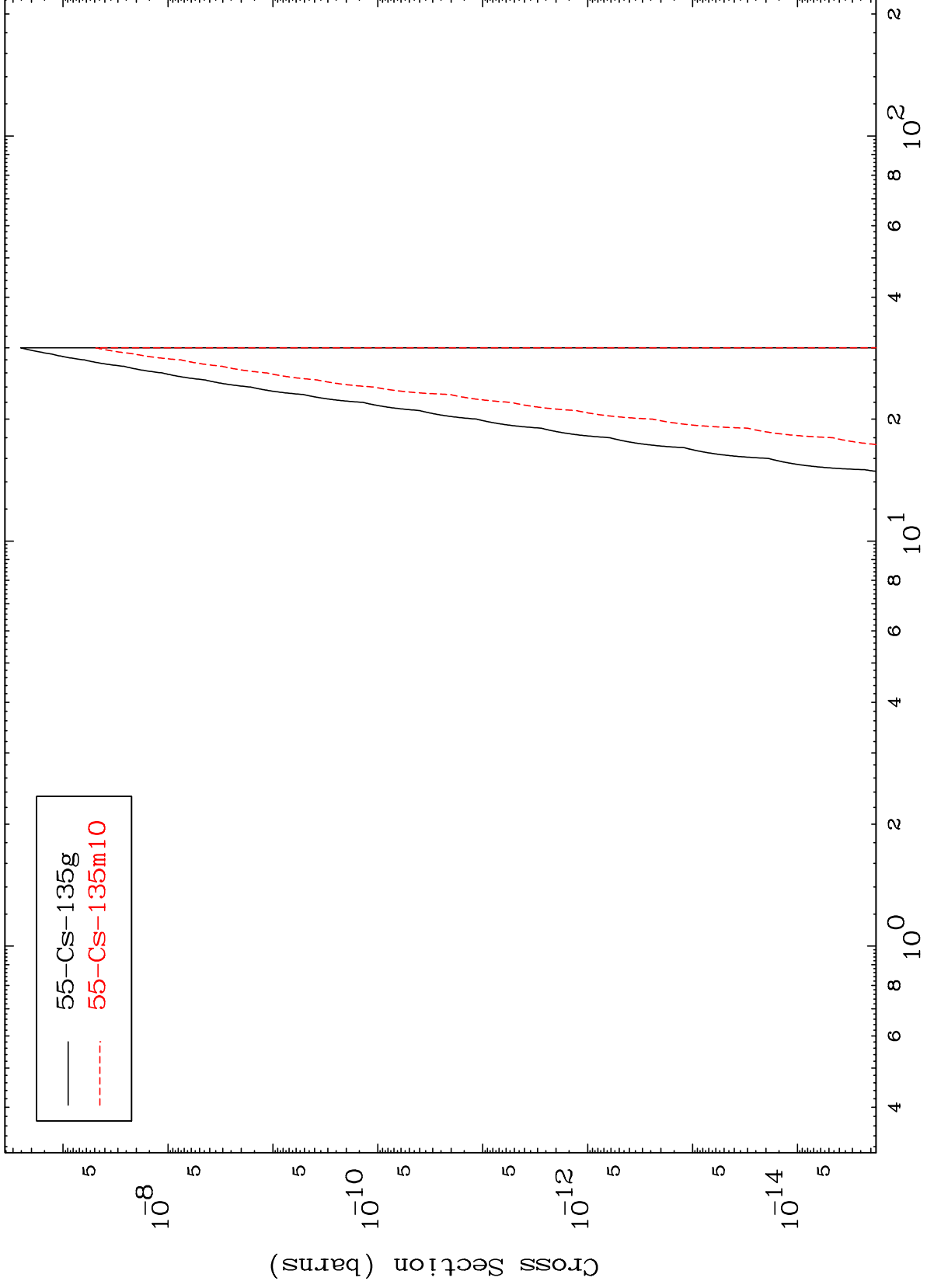
123

MAT 5931

(n,n') 2α

59-Pr-143

Radionuclide Production Cross Section



124

Incident Energy (MeV)

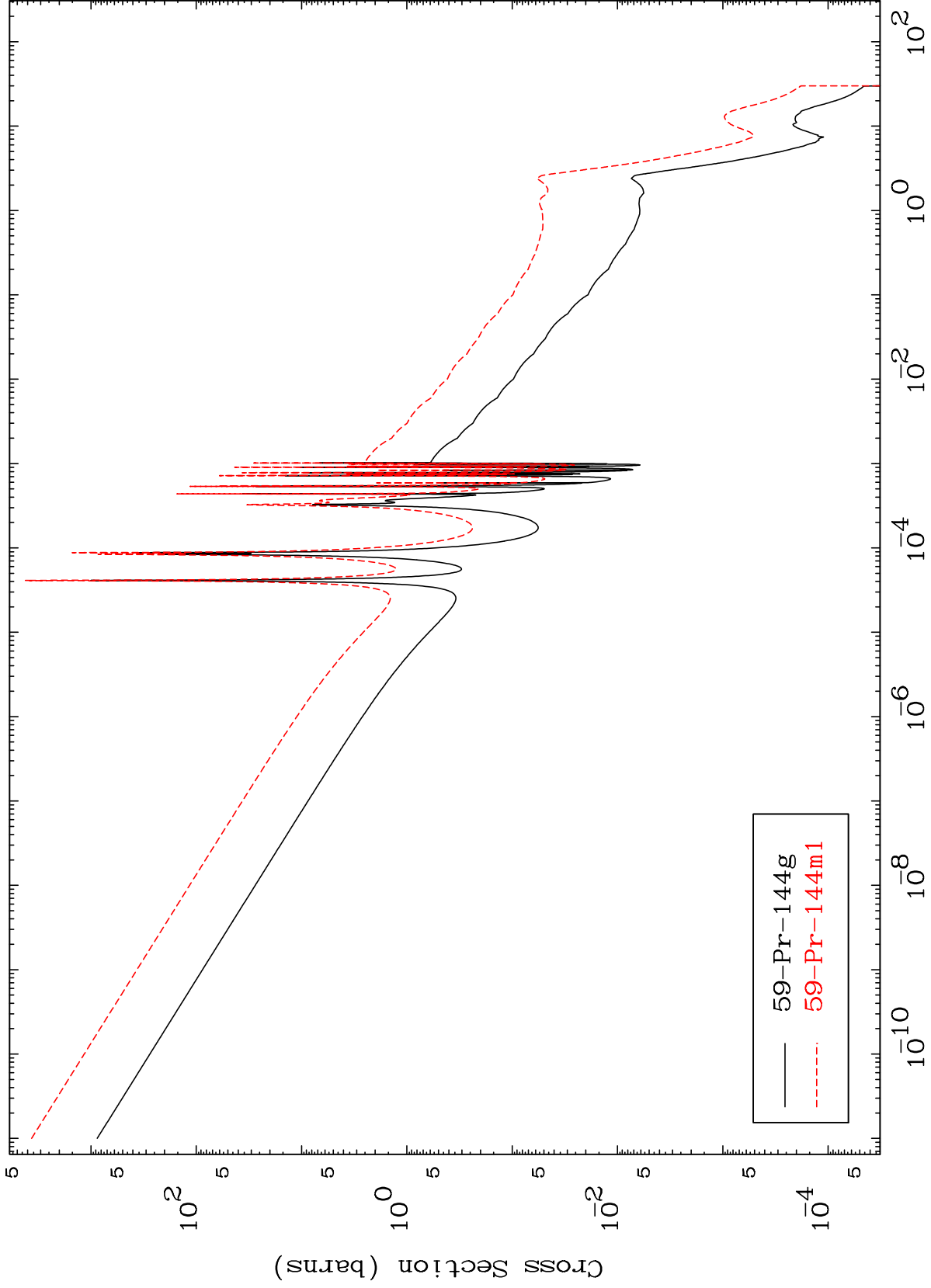
59-Pr-143

MAT 5931

59-Pr-143

Radionuclide Production Cross Section

(n,  $\gamma$ )

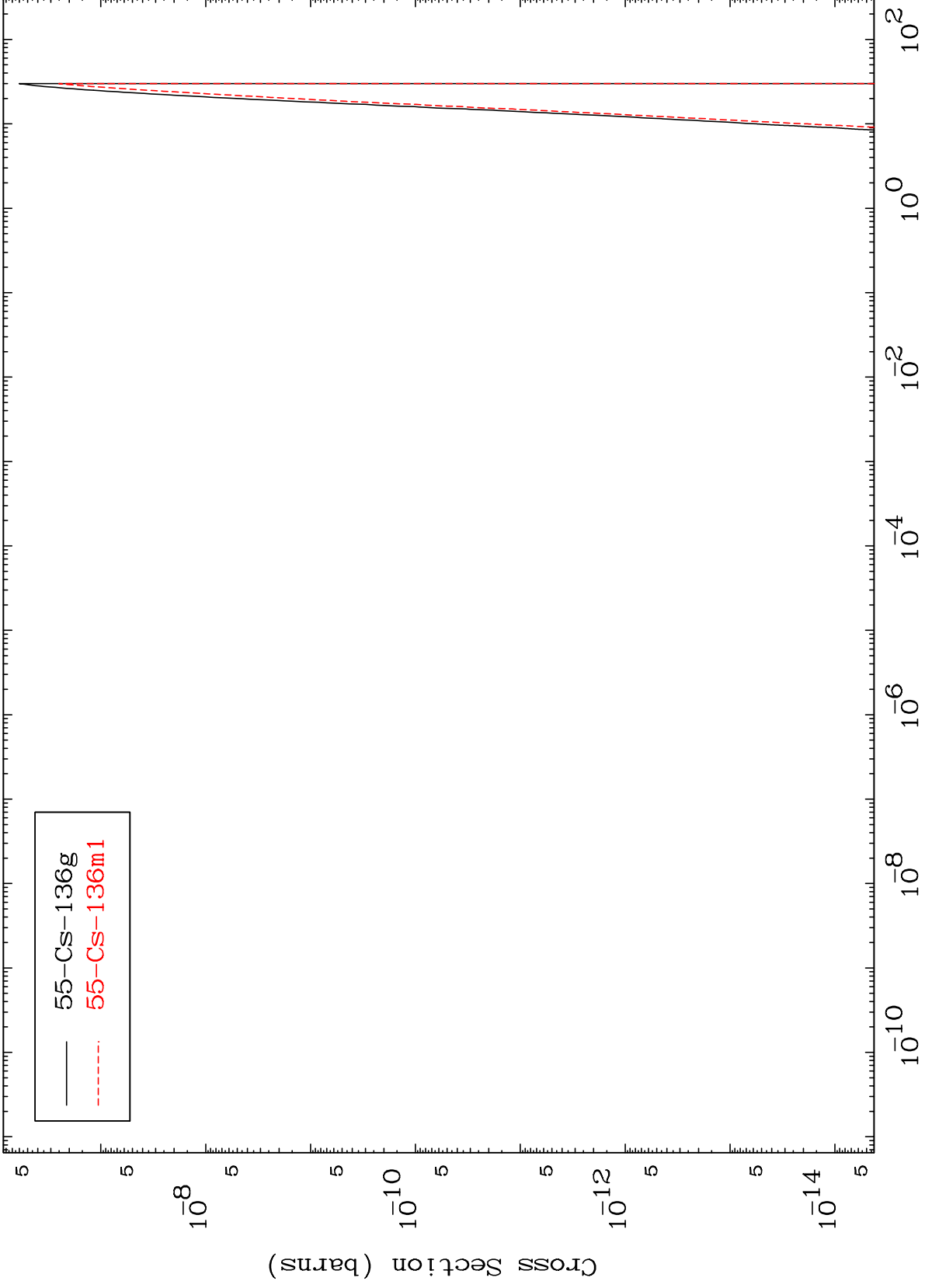


MAT 5931

(n,2α)

59-Pr-143

Radionuclide Production Cross Section



55-Cs-136g  
55-Cs-136m1