

Program EVALPLOT  
(Version 2015-2)

by

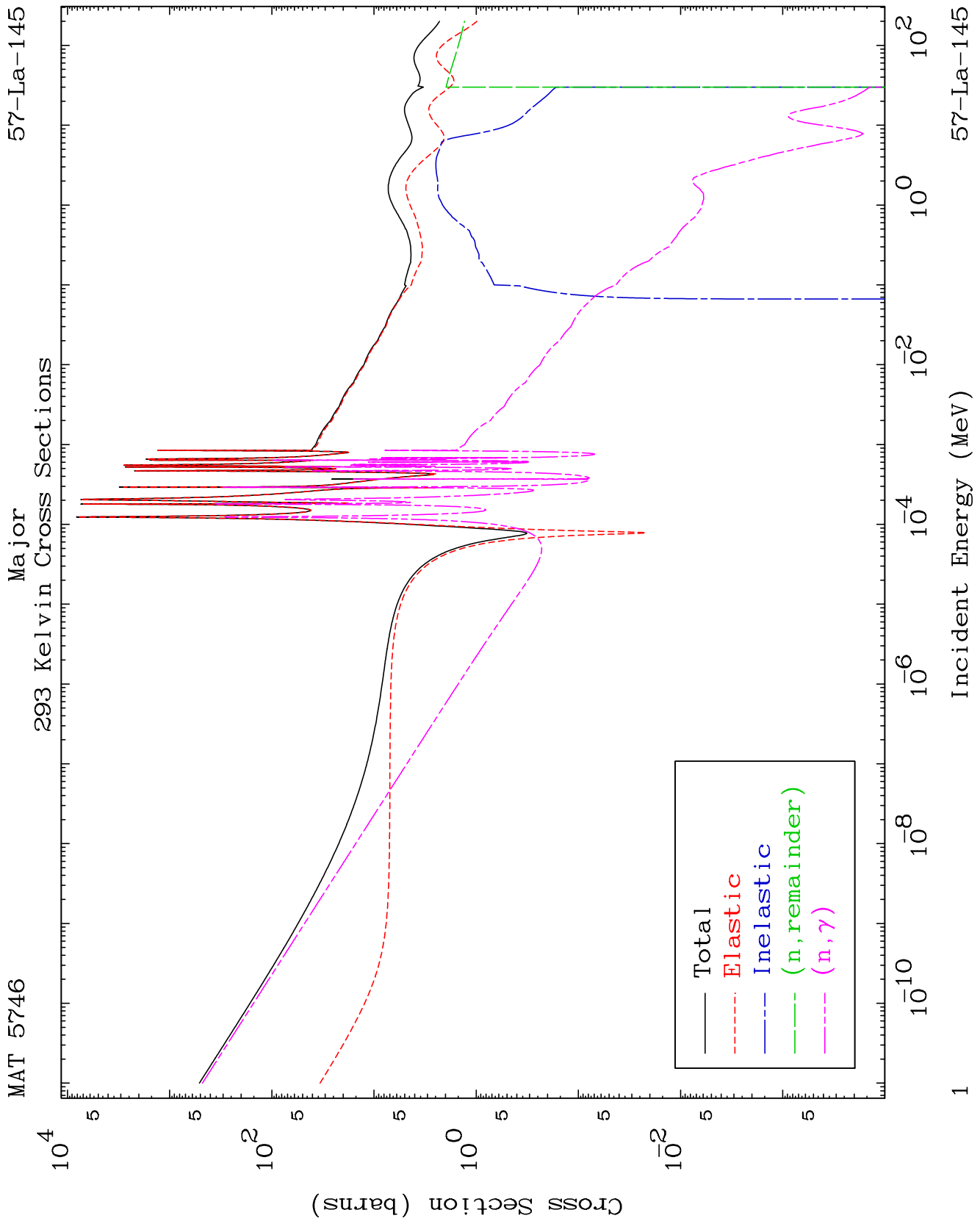
Dermott E. Cullen  
(Present Contact Information)

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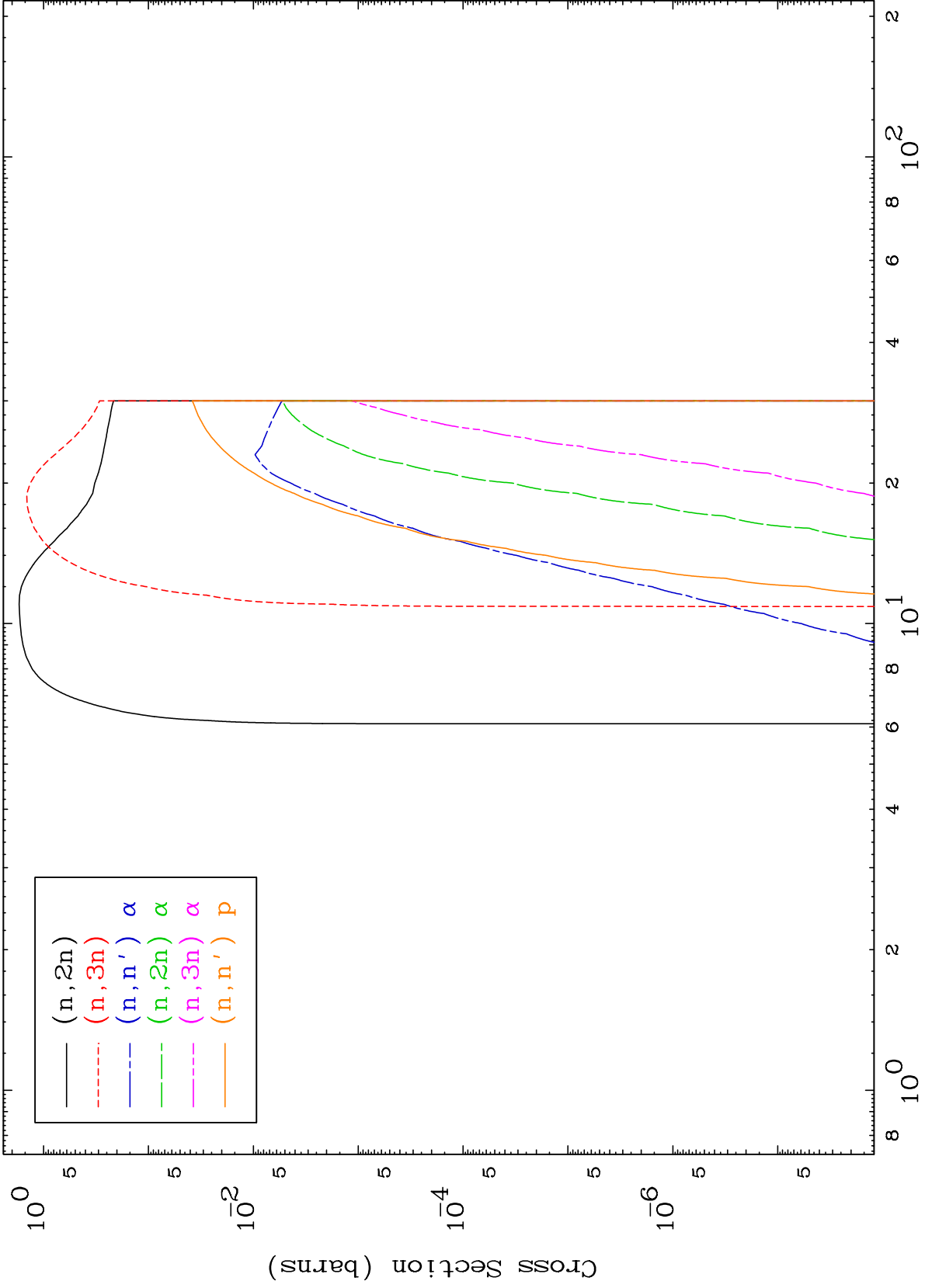
Press Mouse Button to Start



MAT 5746

Neutron Production  
293 Kelvin Cross Sections

57-La-145



57-La-145

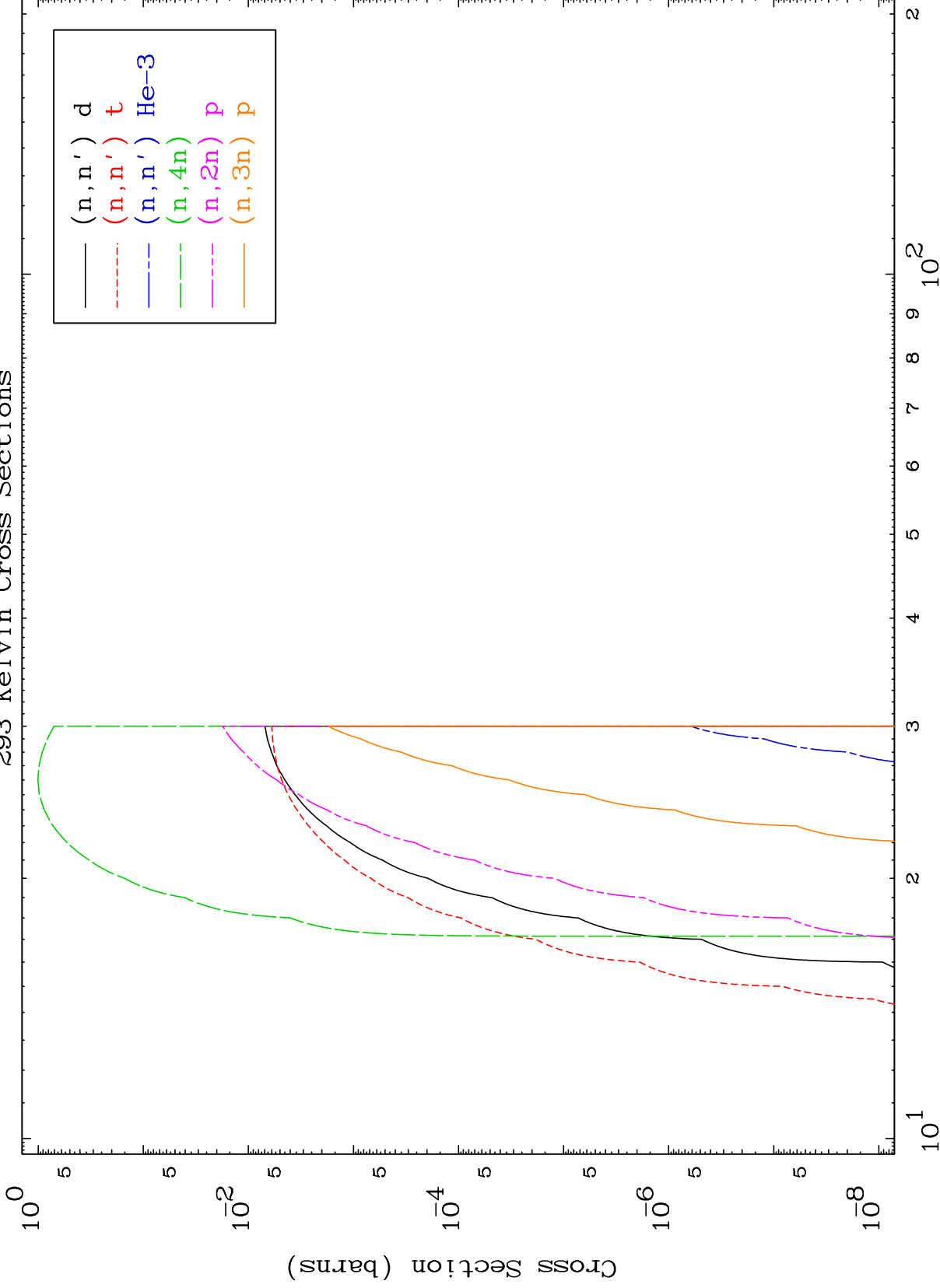
Incident Energy (MeV)

2

MAT 5746

Neutron Production  
293 Kelvin Cross Sections

57-La-145



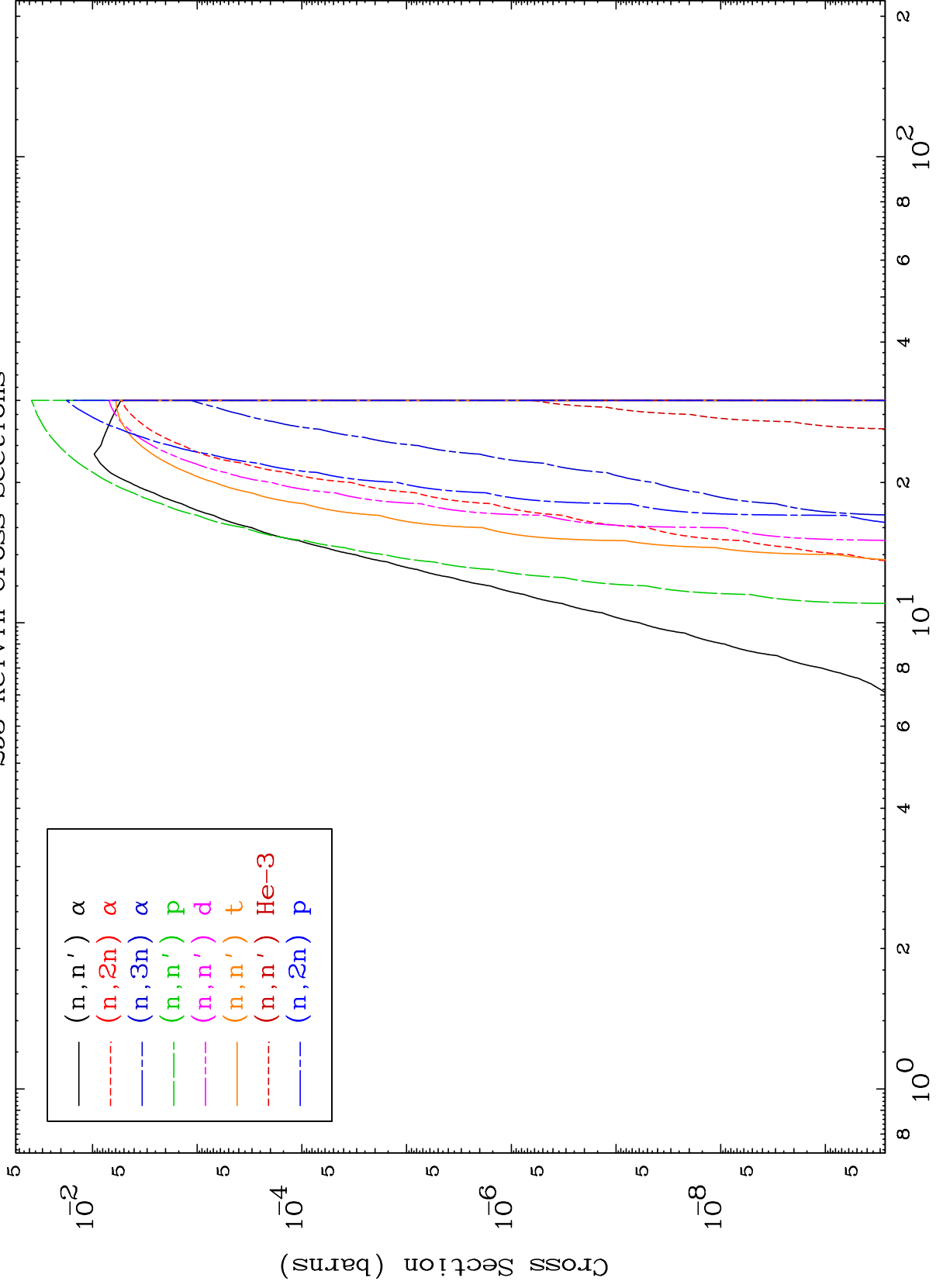
Incident Energy (MeV)

57-La-145

MAT 5746

Charged Particle  
293 Kelvin Cross Sections

57-La-145



57-La-145

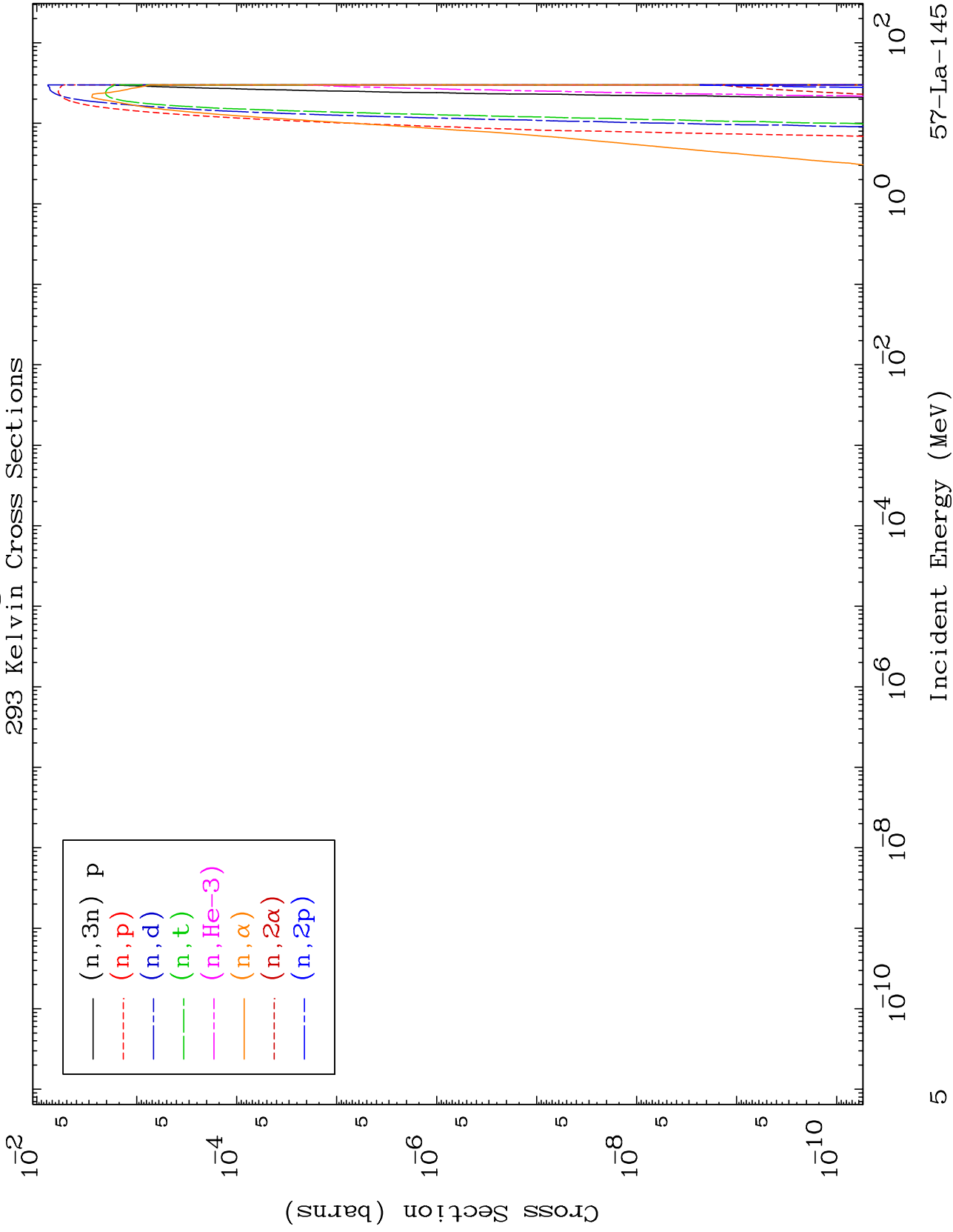
Incident Energy (MeV)

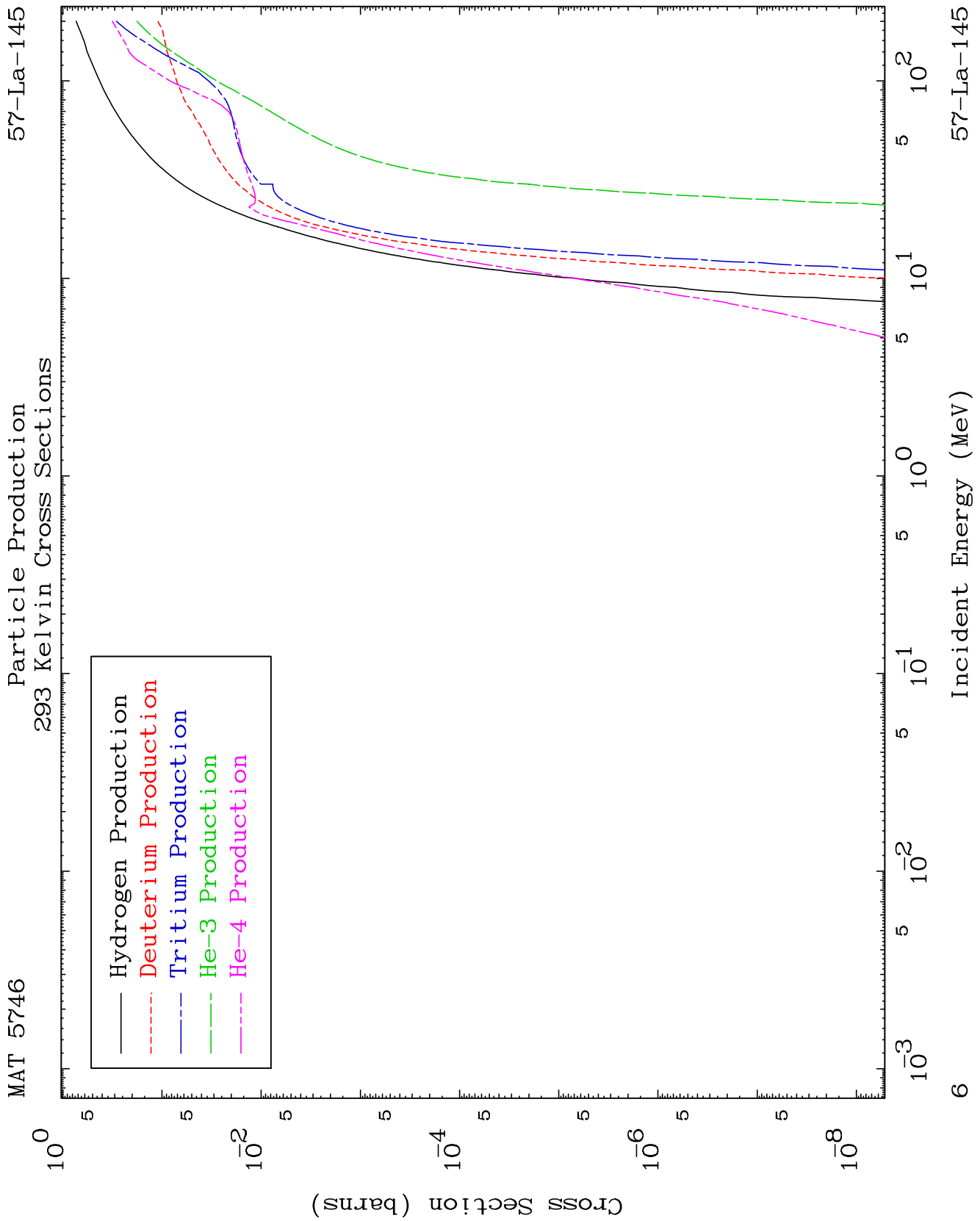
4

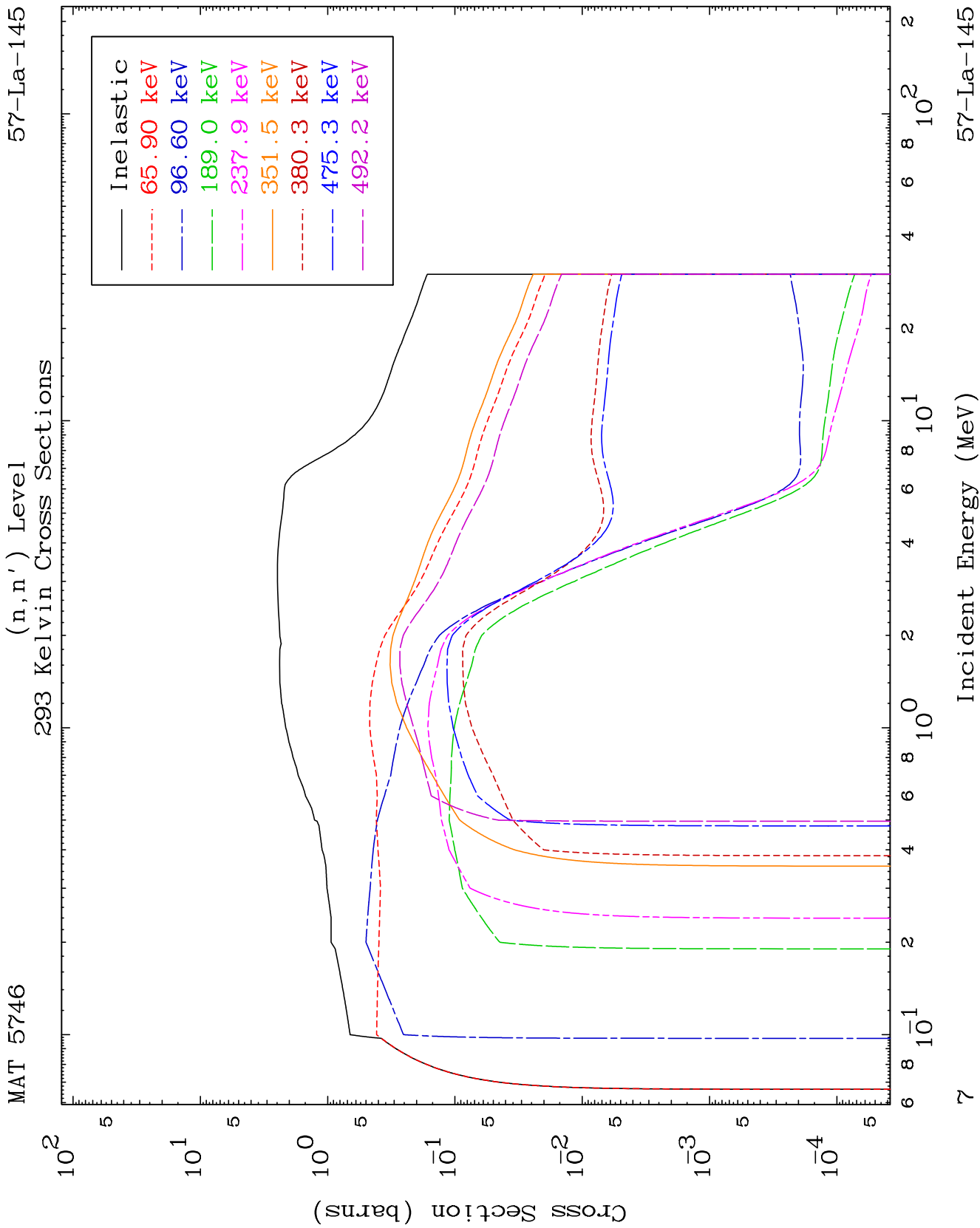
MAT 5746

Charged Particle  
293 Kelvin Cross Sections

57-La-145





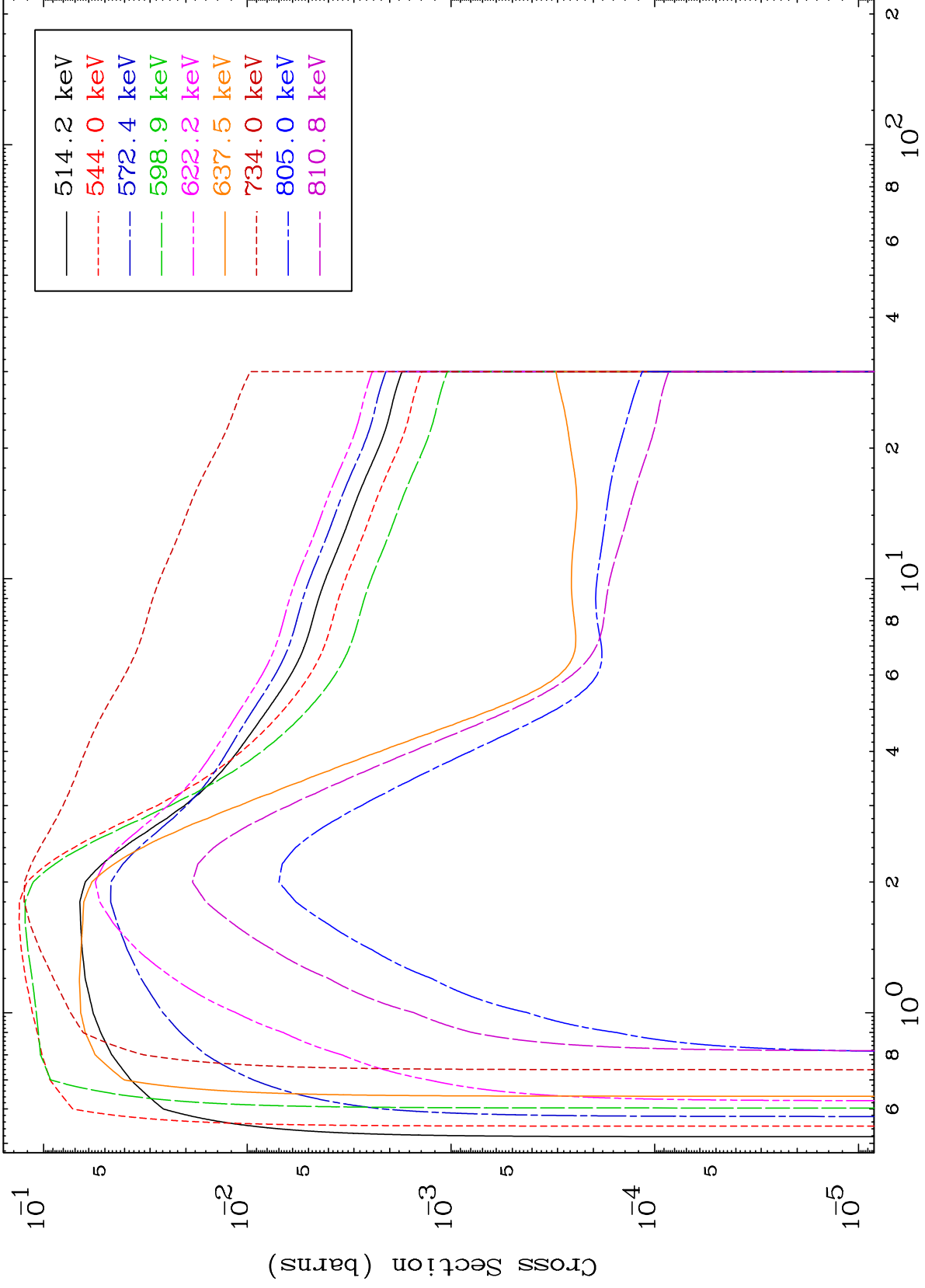




MAT 5746

(n,n') Level  
293 Kelvin Cross Sections

57-La-145



8

Incident Energy (MeV)

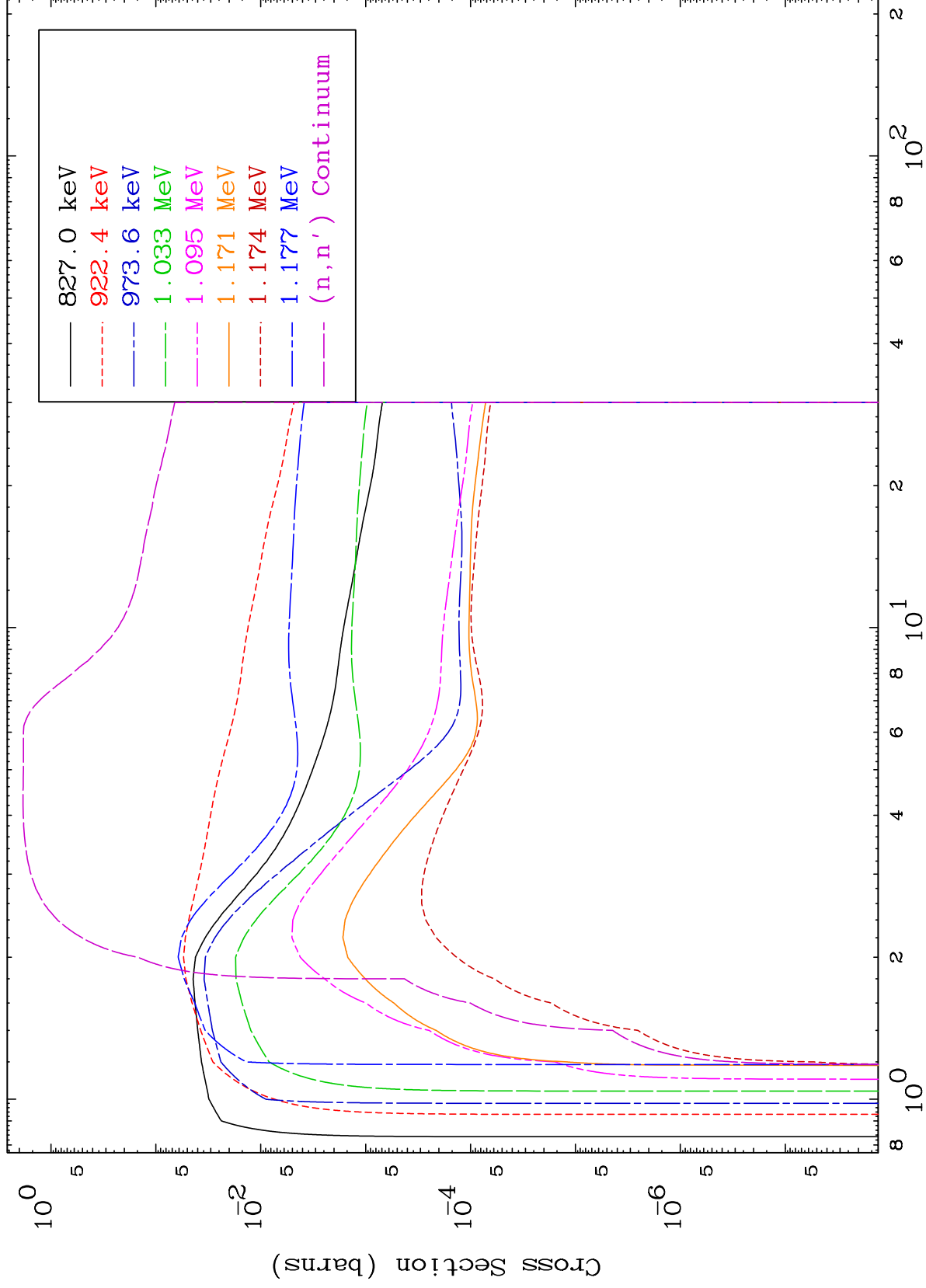
57-La-145

MAT 5746

(n,n') Level

57-La-145

293 Kelvin Cross Sections



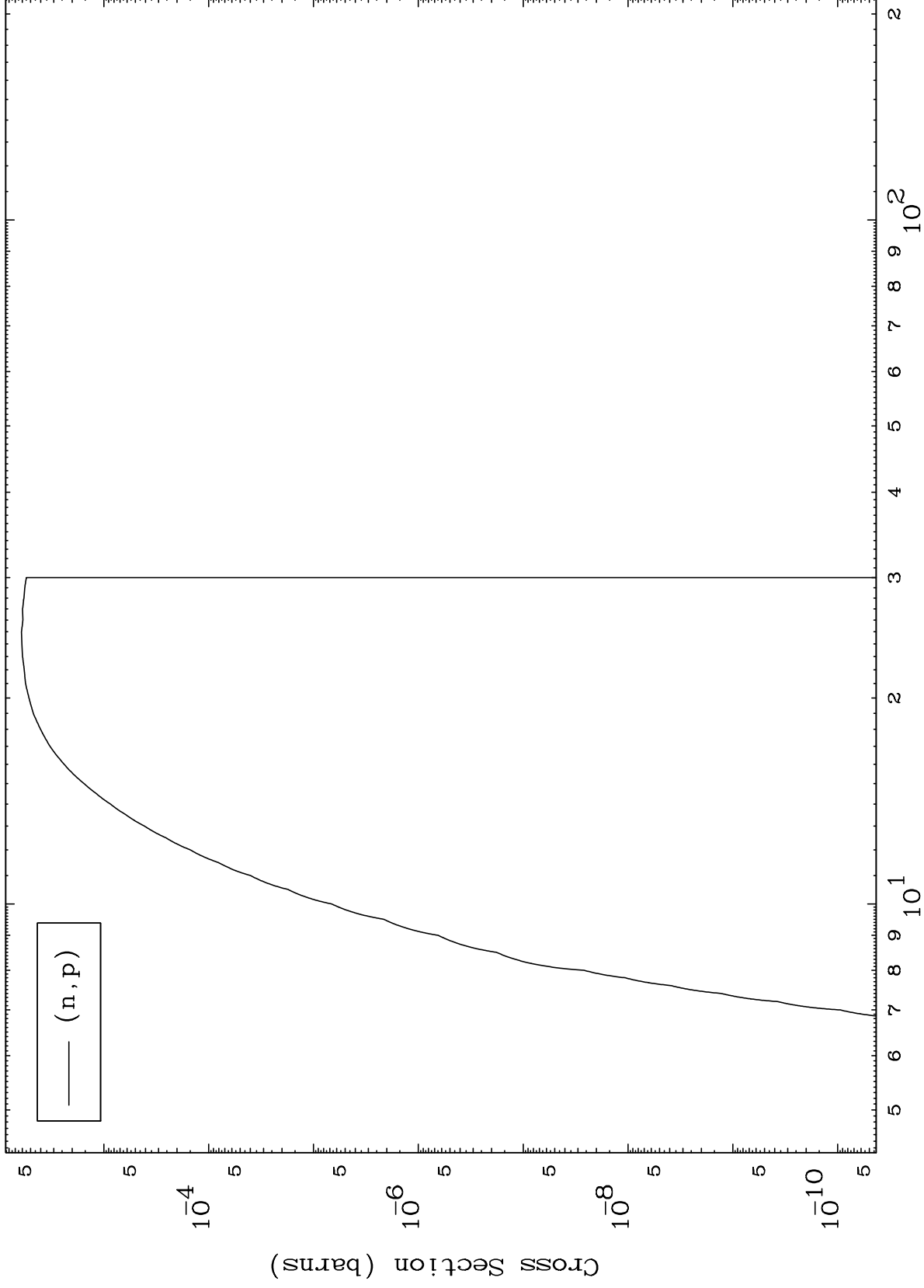
Incident Energy (MeV)

57-La-145

MAT 5746

(n,p) Levels  
293 Kelvin Cross Sections

57-La-145



10

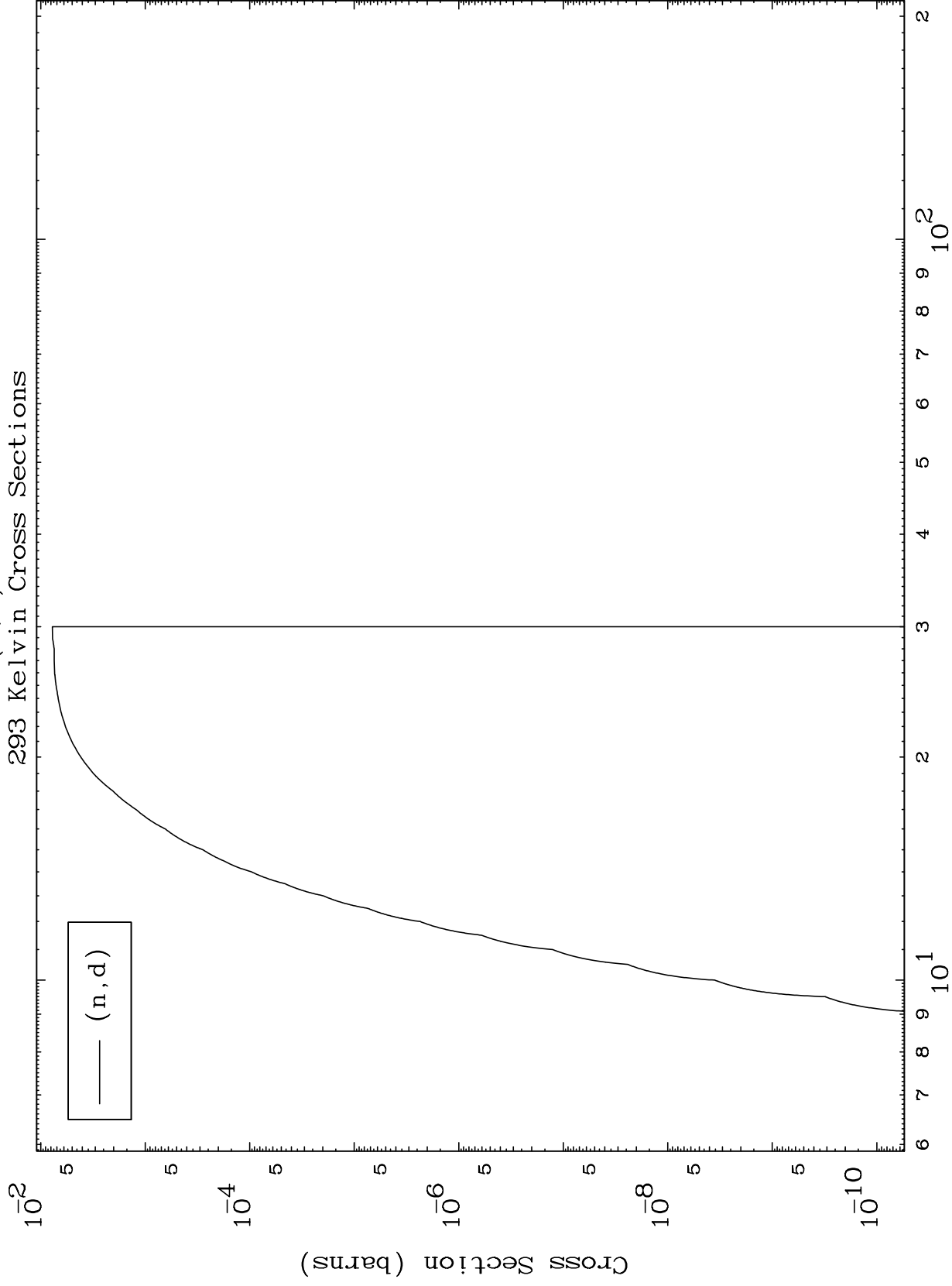
Incident Energy (MeV)

57-La-145

MAT 5746

(n,d) Levels  
293 Kelvin Cross Sections

57-La-145



11

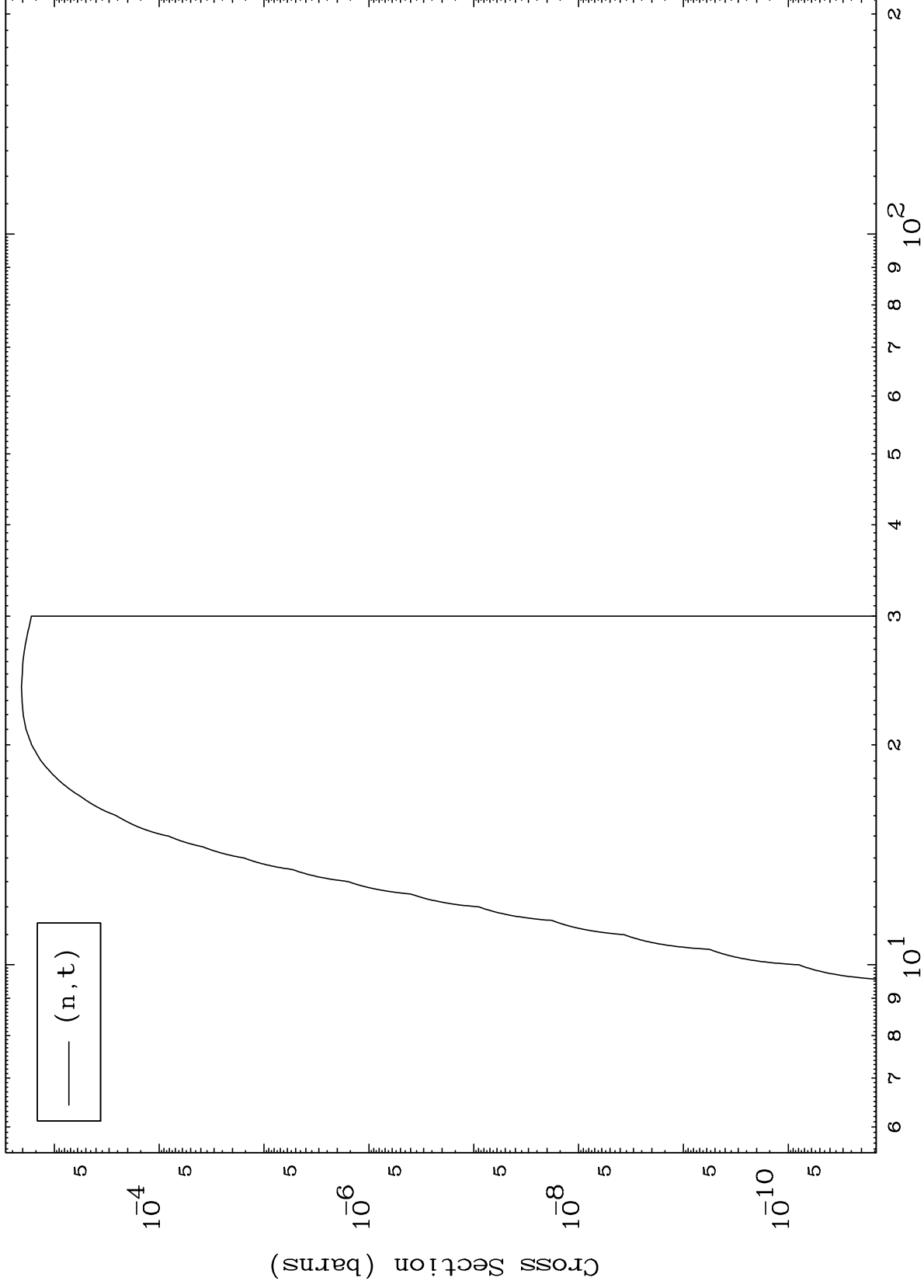
Incident Energy (MeV)

57-La-145

MAT 5746

(n,t) Levels  
293 Kelvin Cross Sections

57-La-145



12

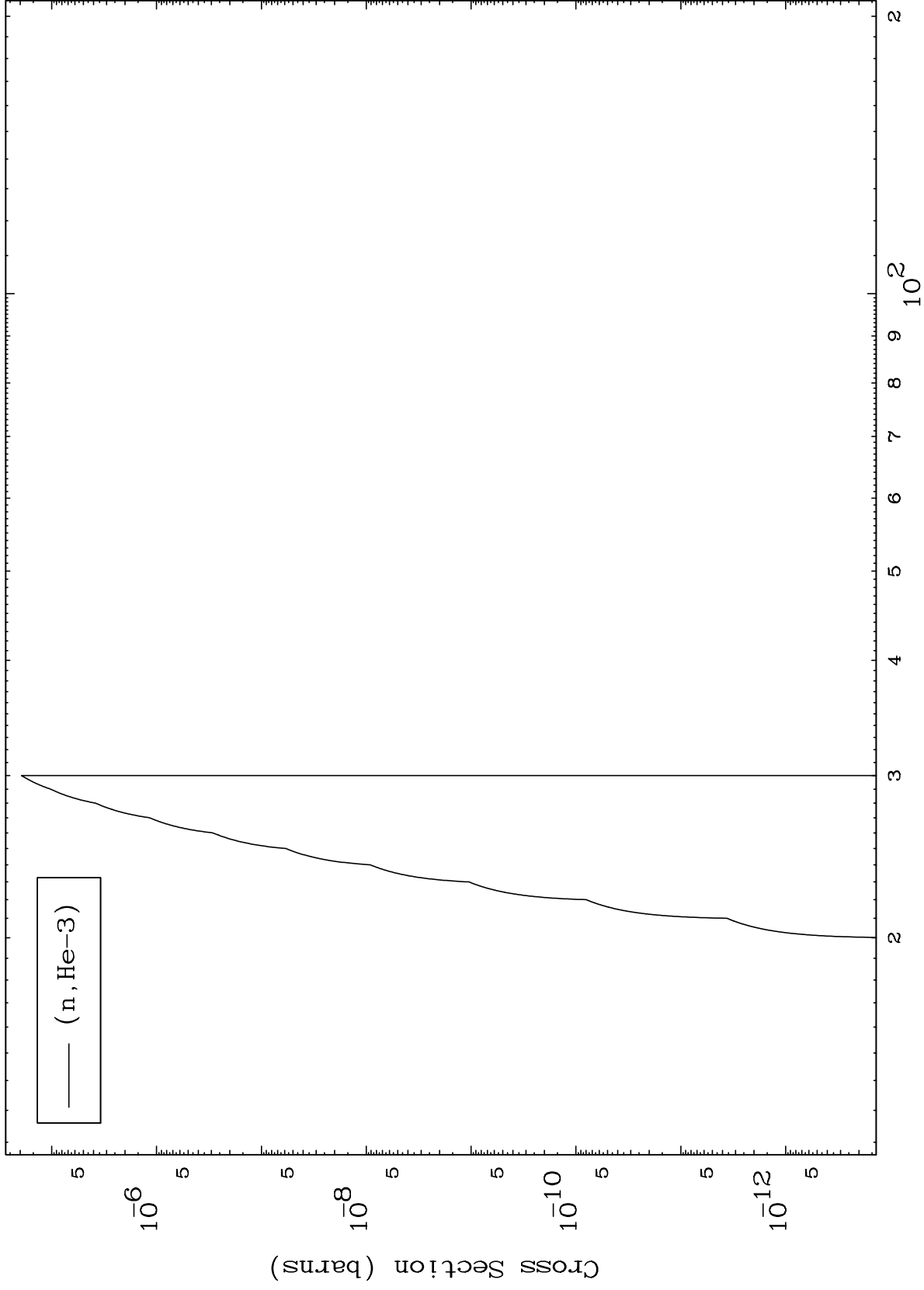
Incident Energy (MeV)

57-La-145

MAT 5746

(n,He3) Levels  
293 Kelvin Cross Sections

57-La-145



13

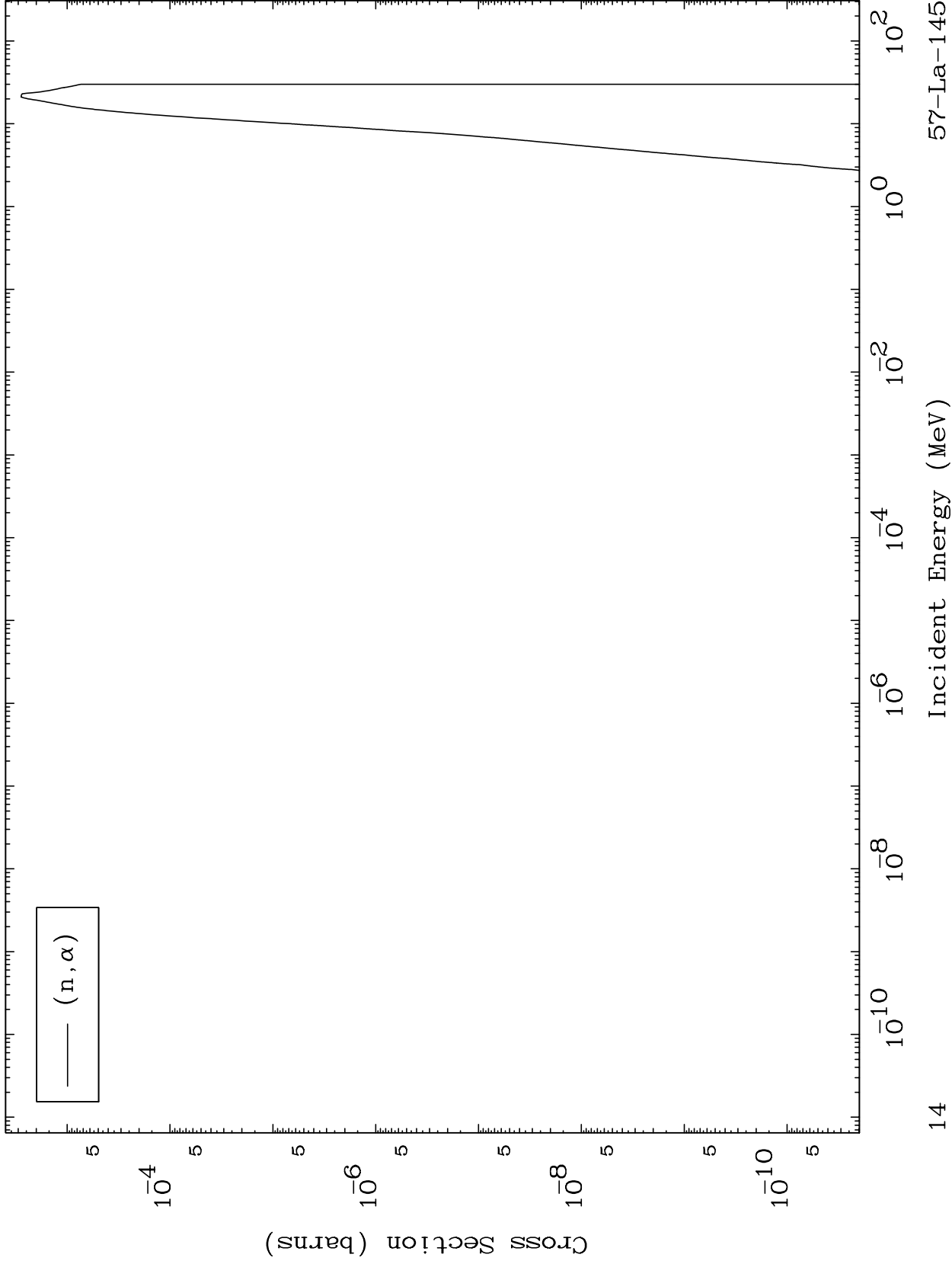
Incident Energy (MeV)

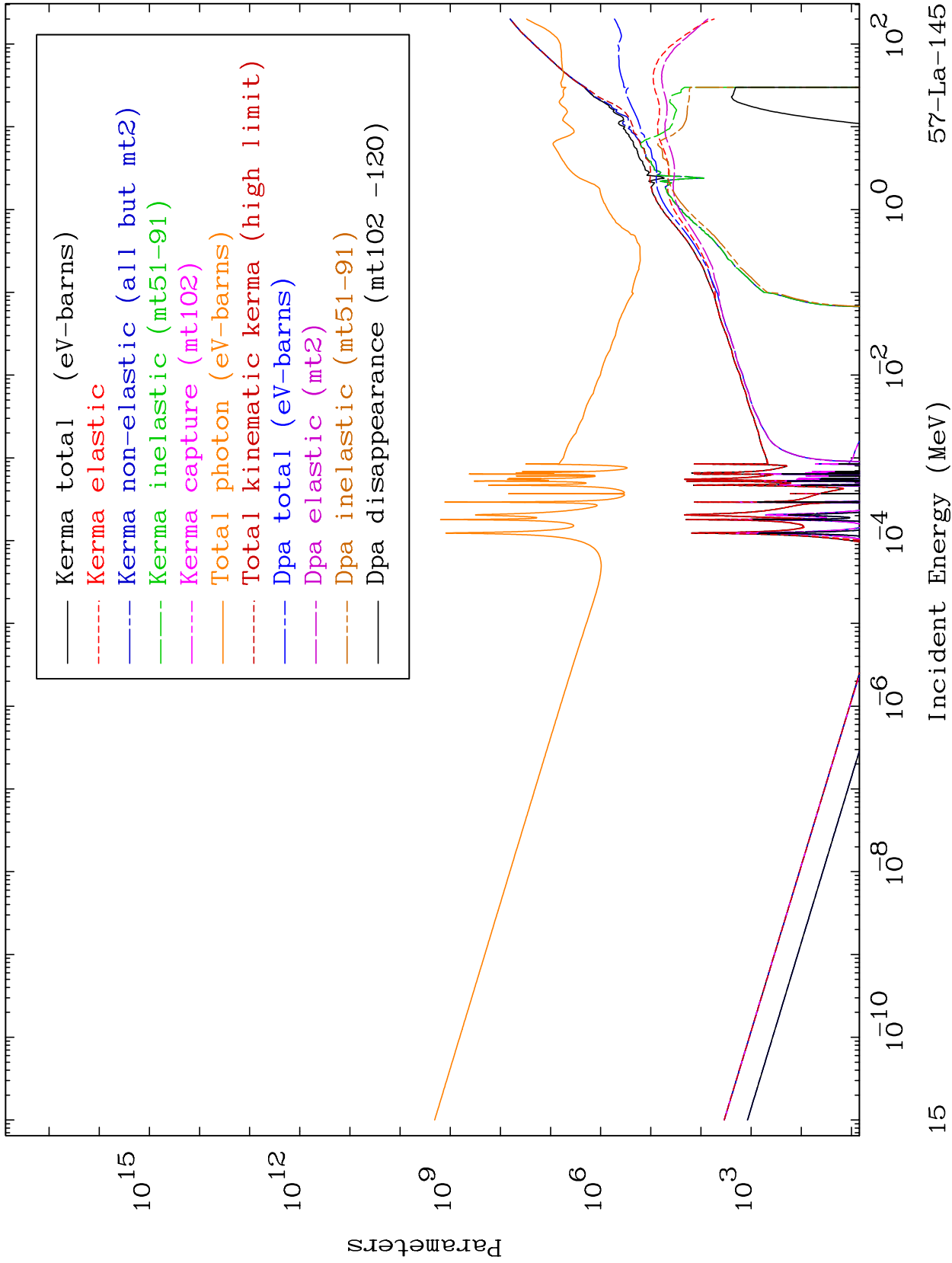
57-La-145

MAT 5746

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

57-La-145



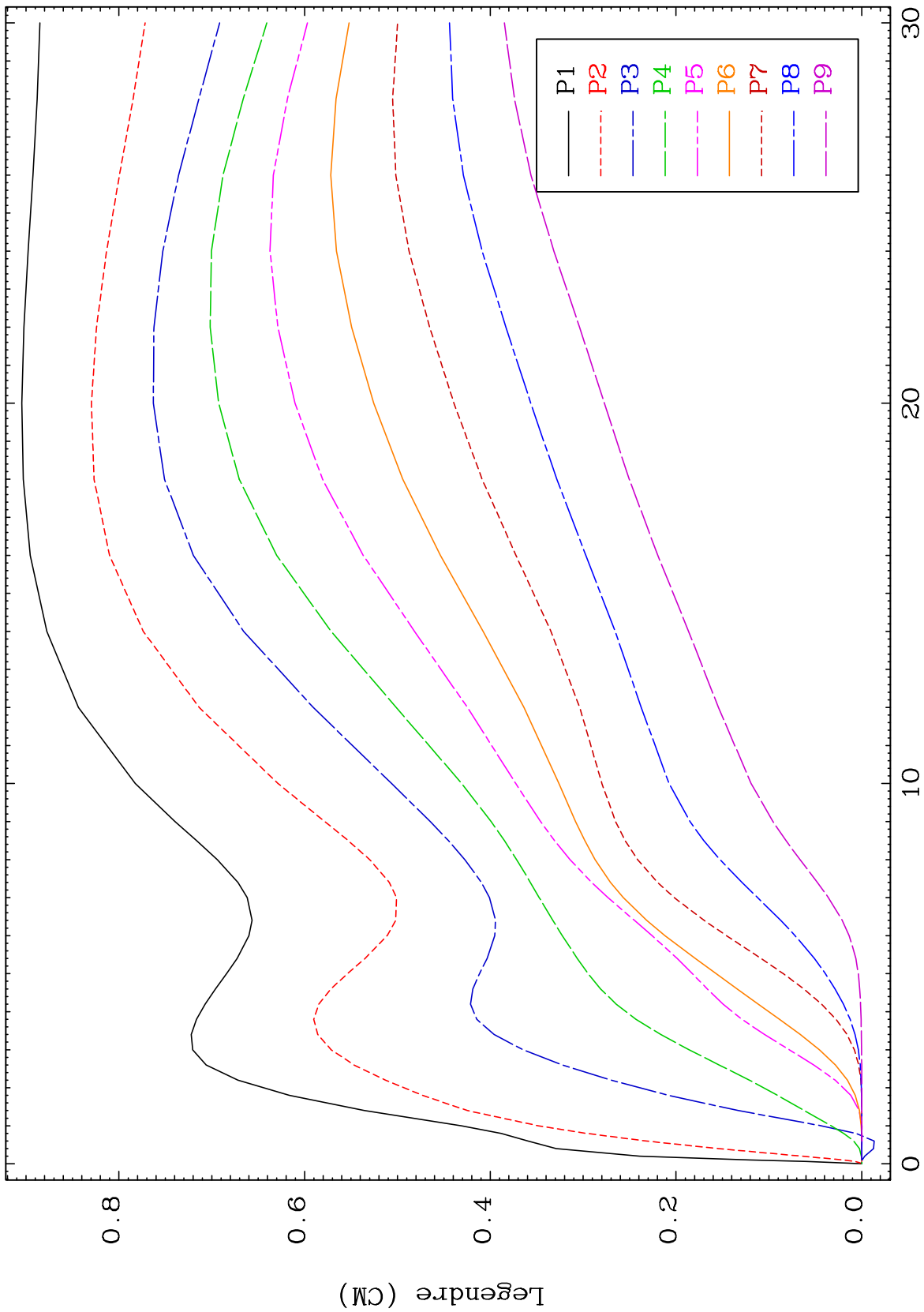




MAT 5746

57-La-145

Elastic Legendre Coefficients



57-La-145

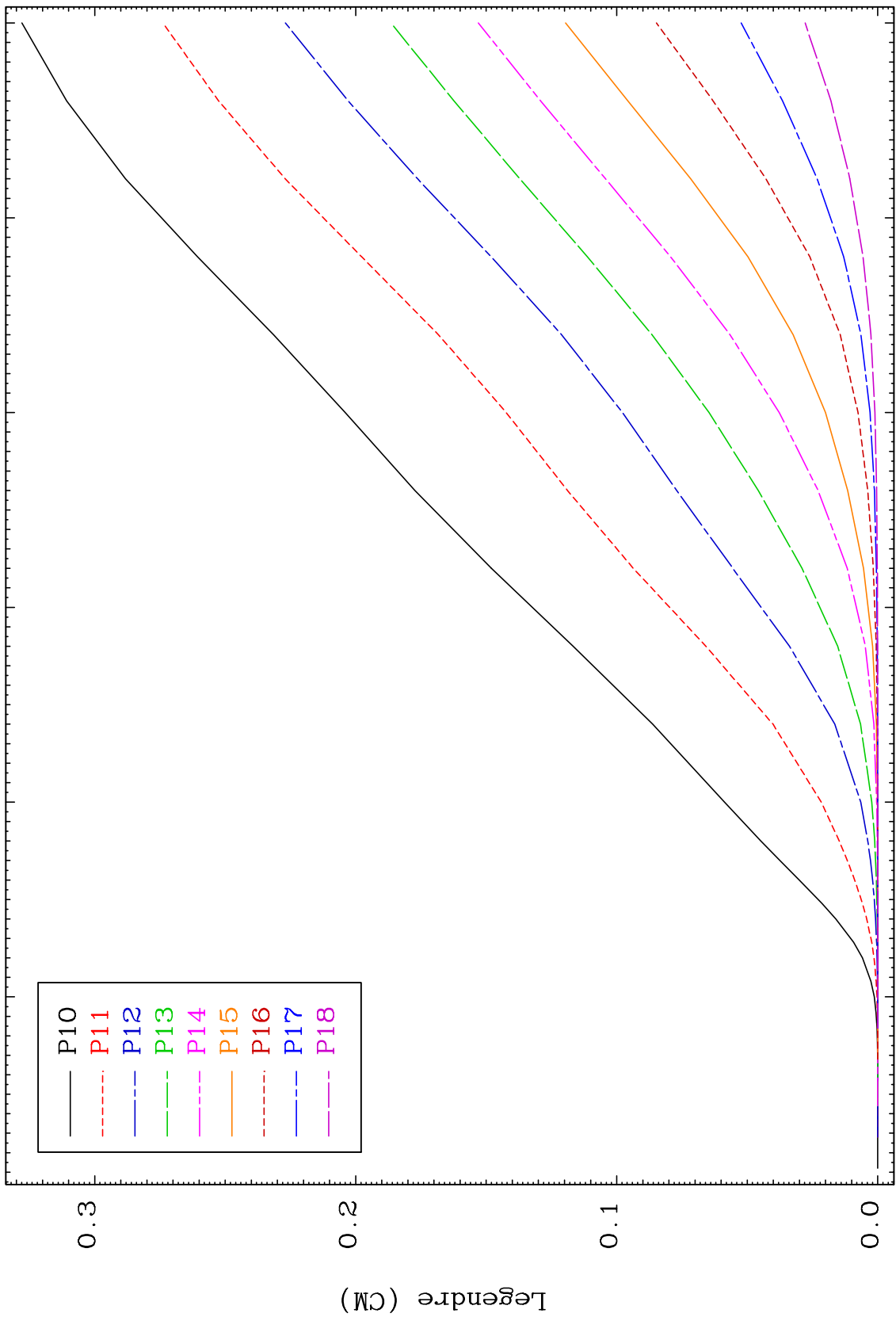
Incident Energy (MeV)

16

MAT 5746

Elastic Legendre Coefficients

57-La-145



17

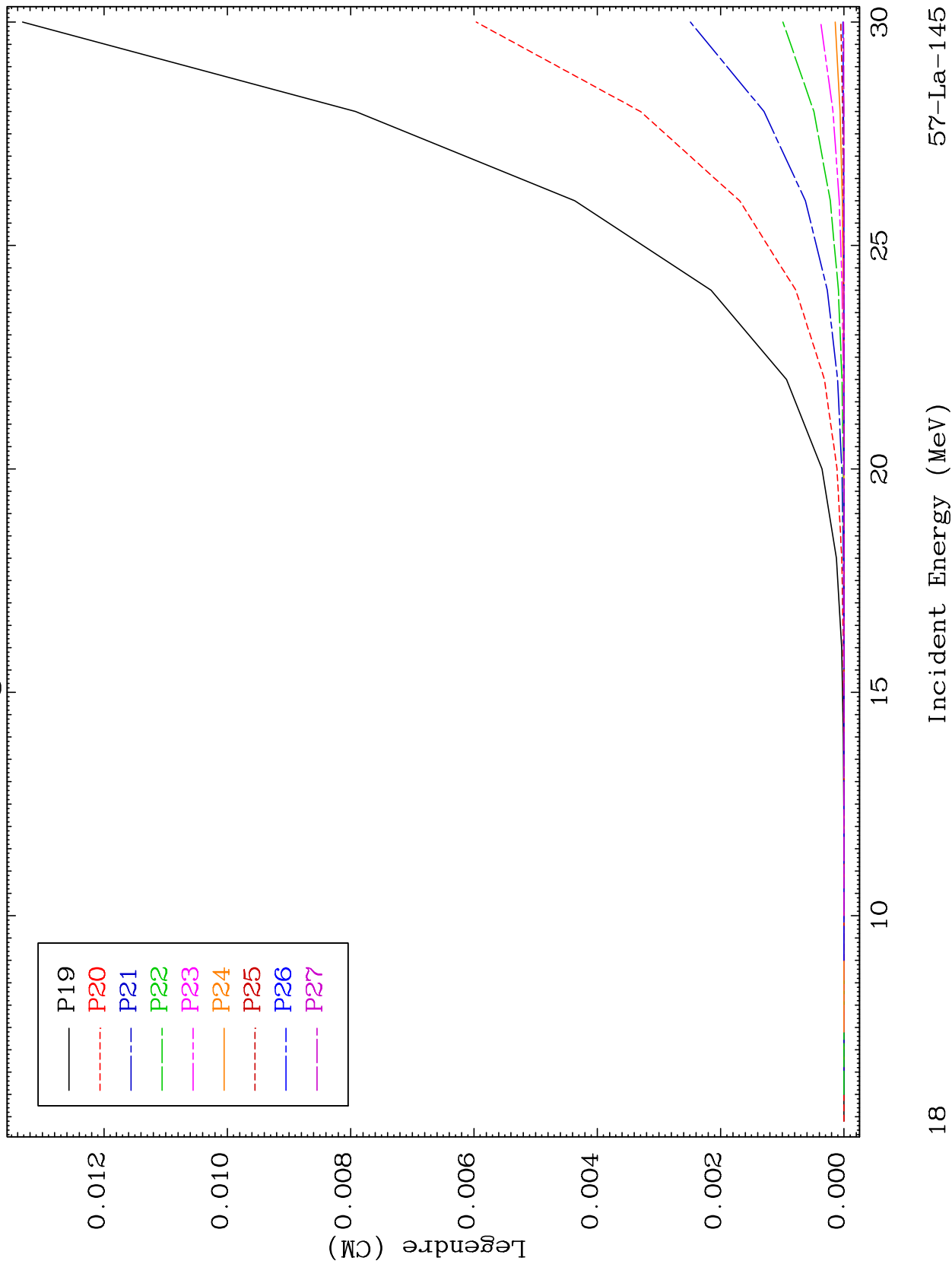
Incident Energy (MeV)

57-La-145

MAT 5746

Elastic Legendre Coefficients

57-La-145



18

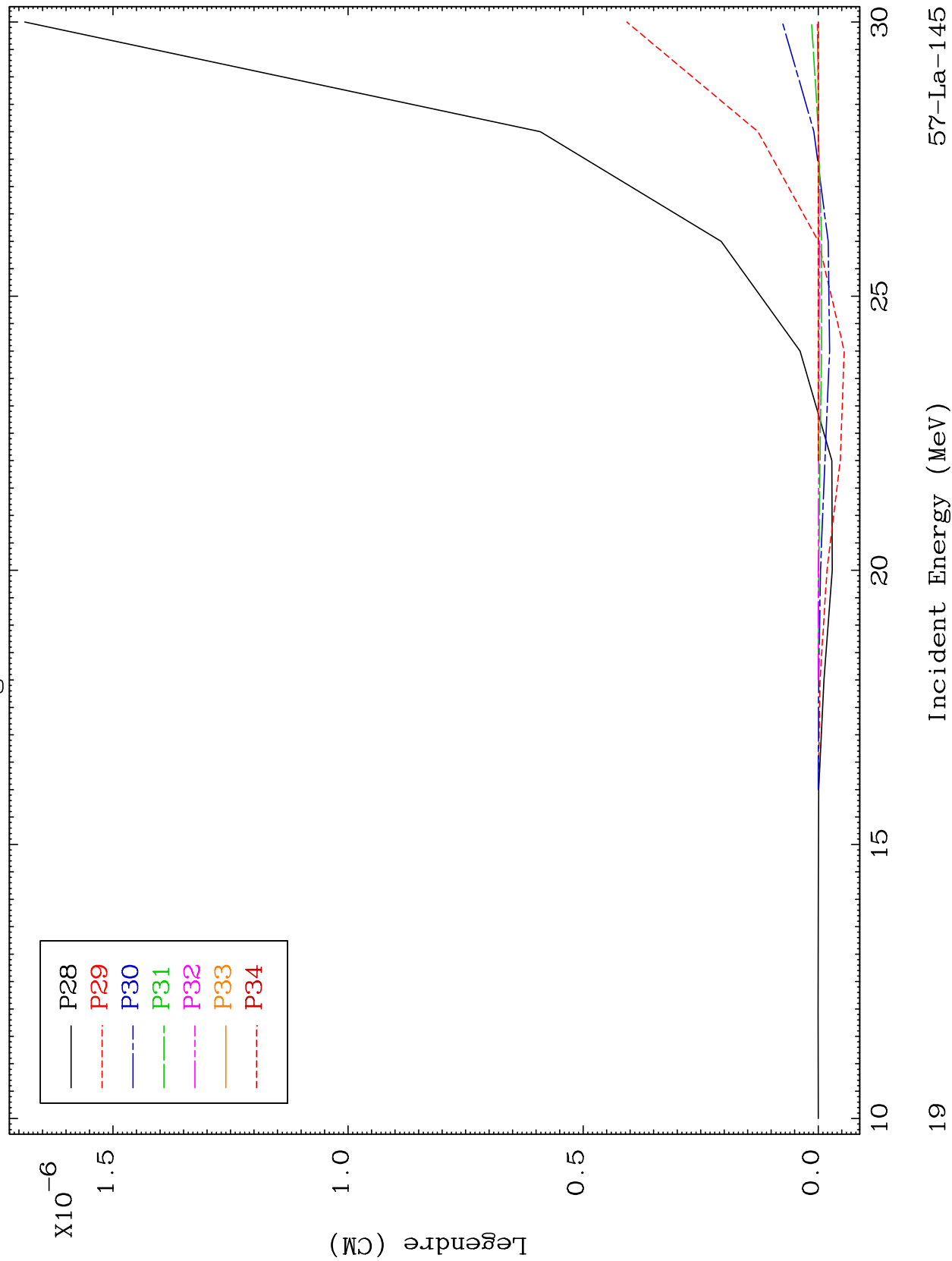
Incident Energy (MeV)

57-La-145

MAT 5746

Elastic  
Legendre Coefficients

57-La-145



19

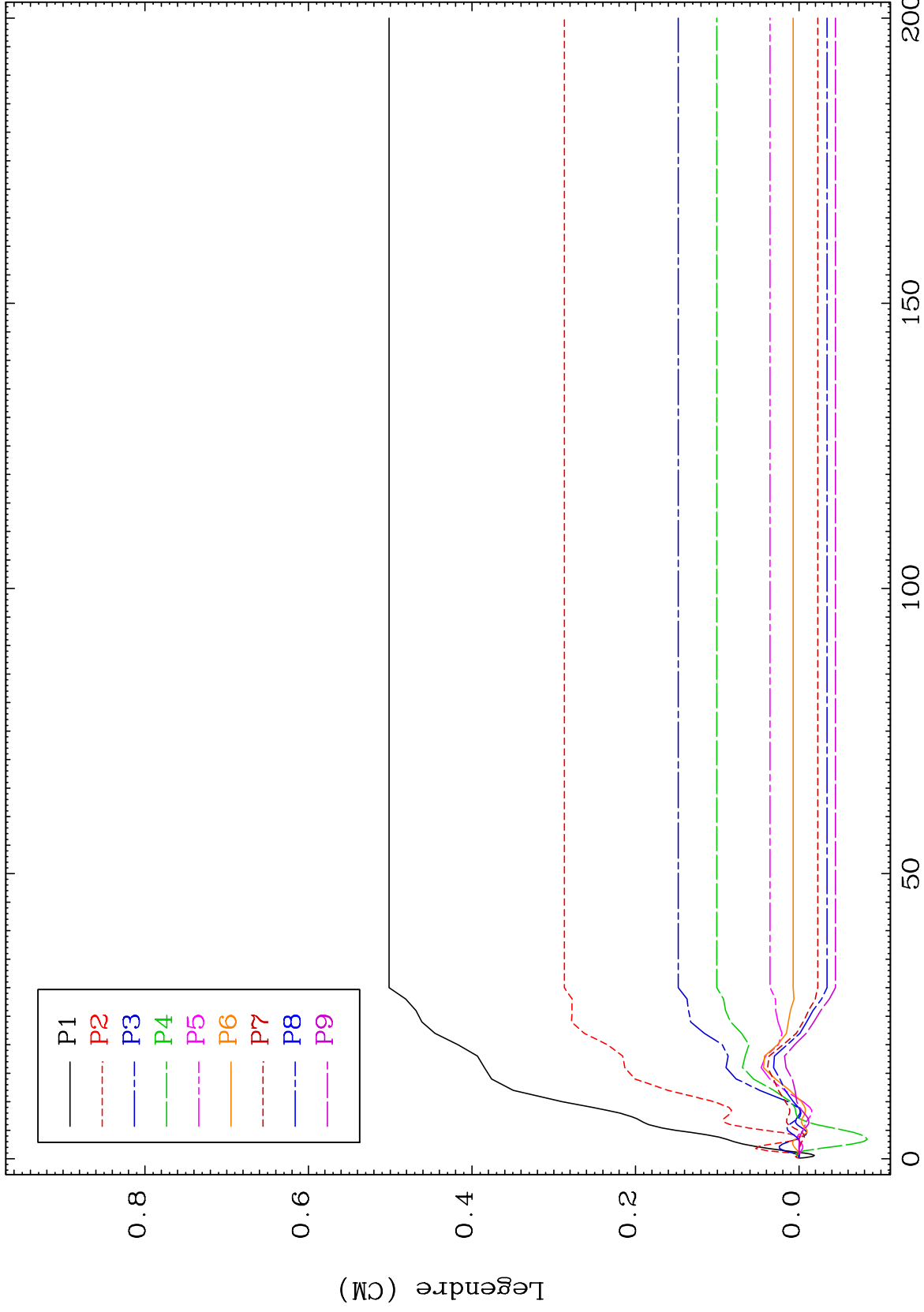
Incident Energy (MeV)

57-La-145

MAT 5746

65.90 keV (n,n') Level  
Legendre Coefficients

57-La-145



57-La-145

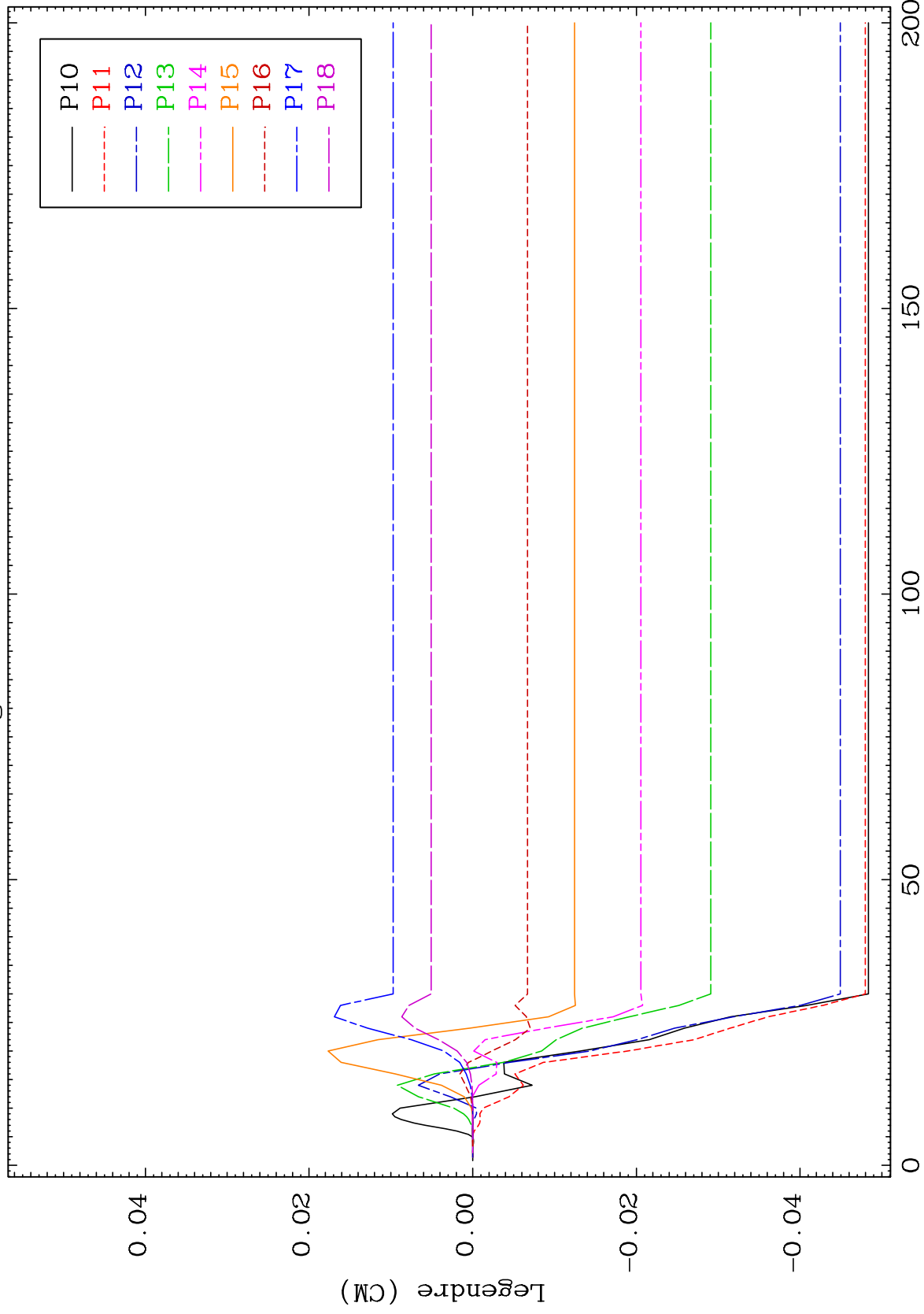
Incident Energy (MeV)

0

MAT 5746

65.90 keV (n,n') Level  
Legendre Coefficients

57-La-145



21

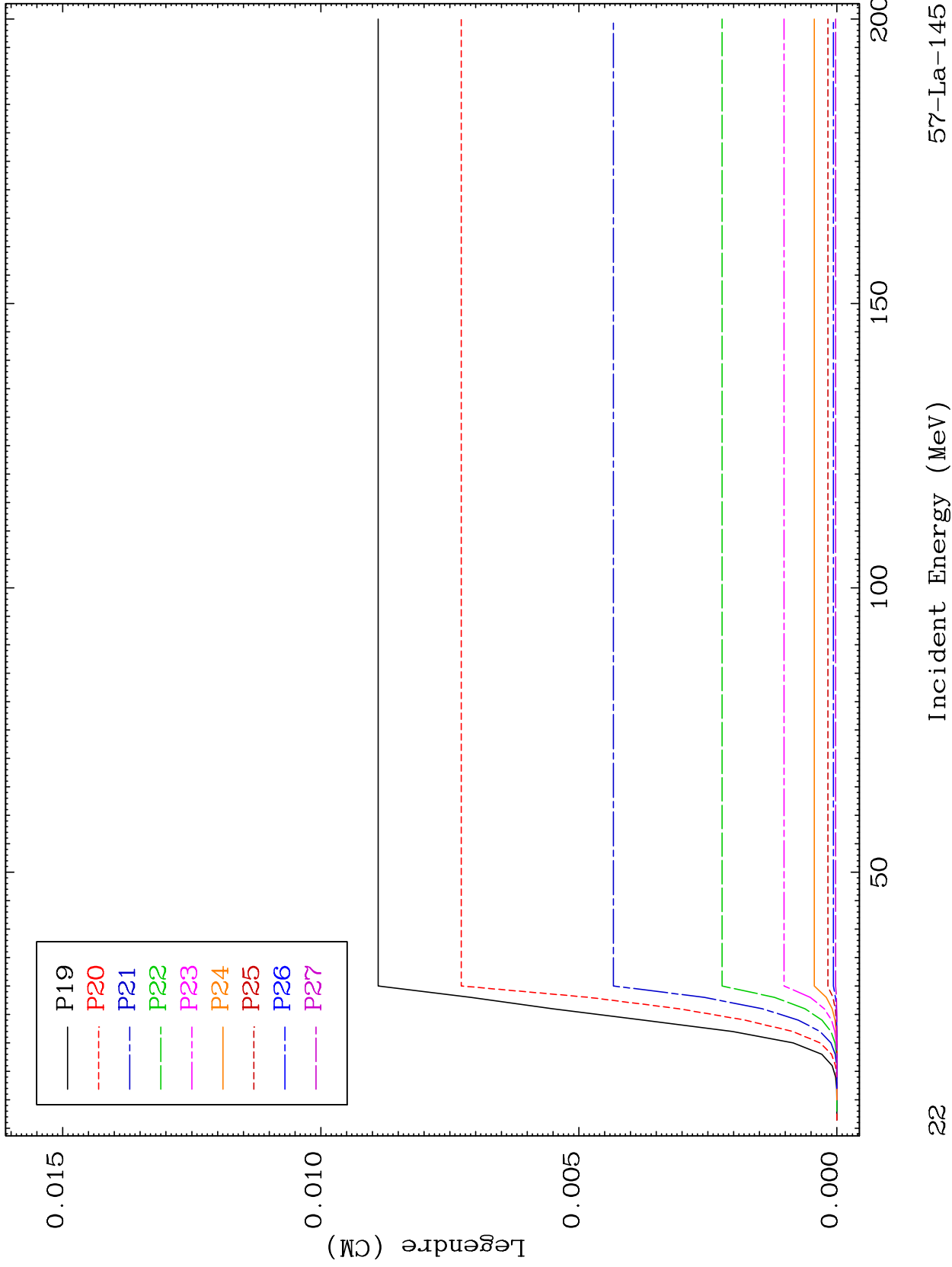
Incident Energy (MeV)

57-La-145

MAT 5746

65.90 keV (n,n') Level  
Legendre Coefficients

57-La-145



22

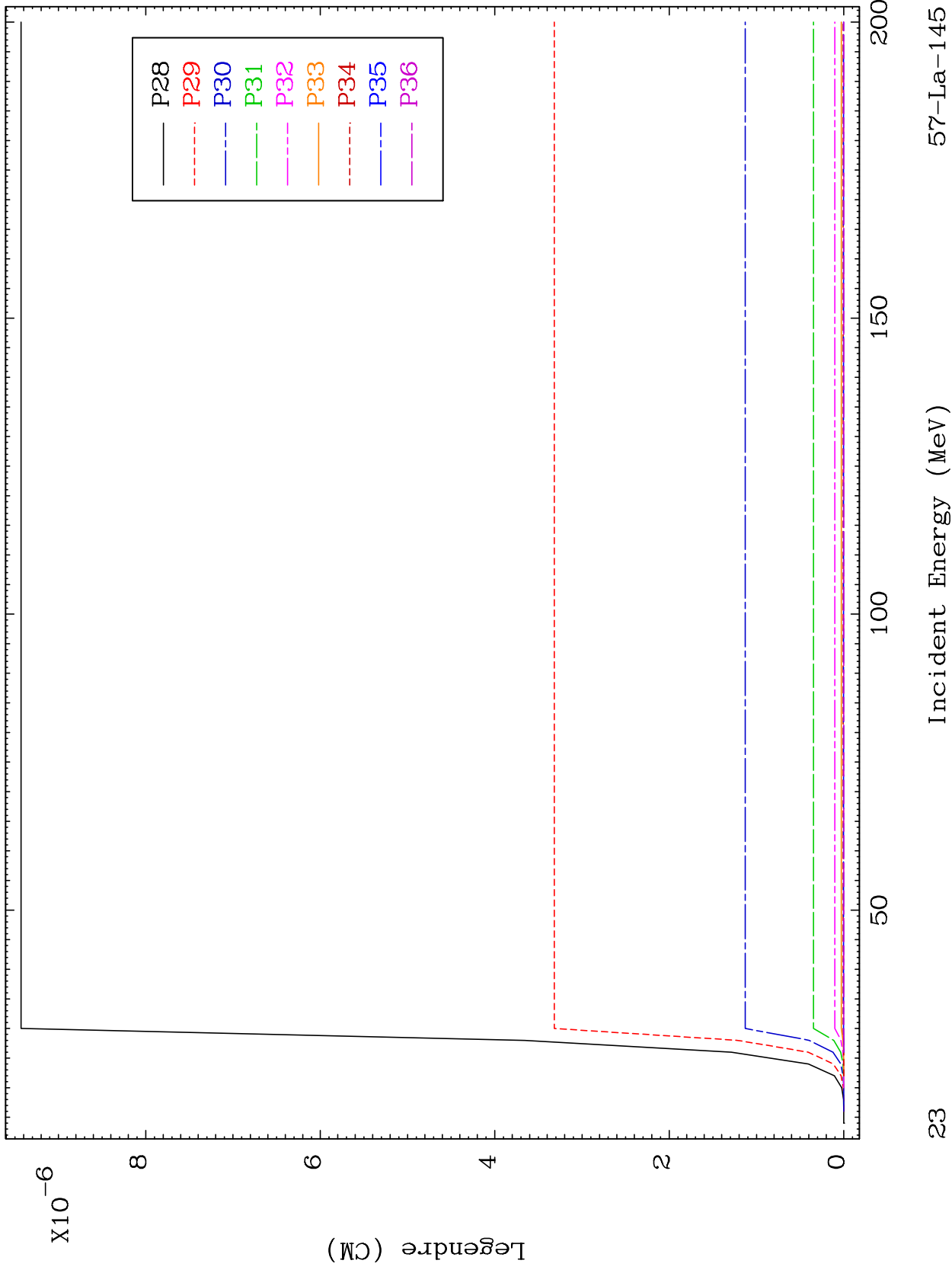
Incident Energy (MeV)

57-La-145

MAT 5746

65.90 keV (n,n') Level  
Legendre Coefficients

57-La-145



23

Incident Energy (MeV)

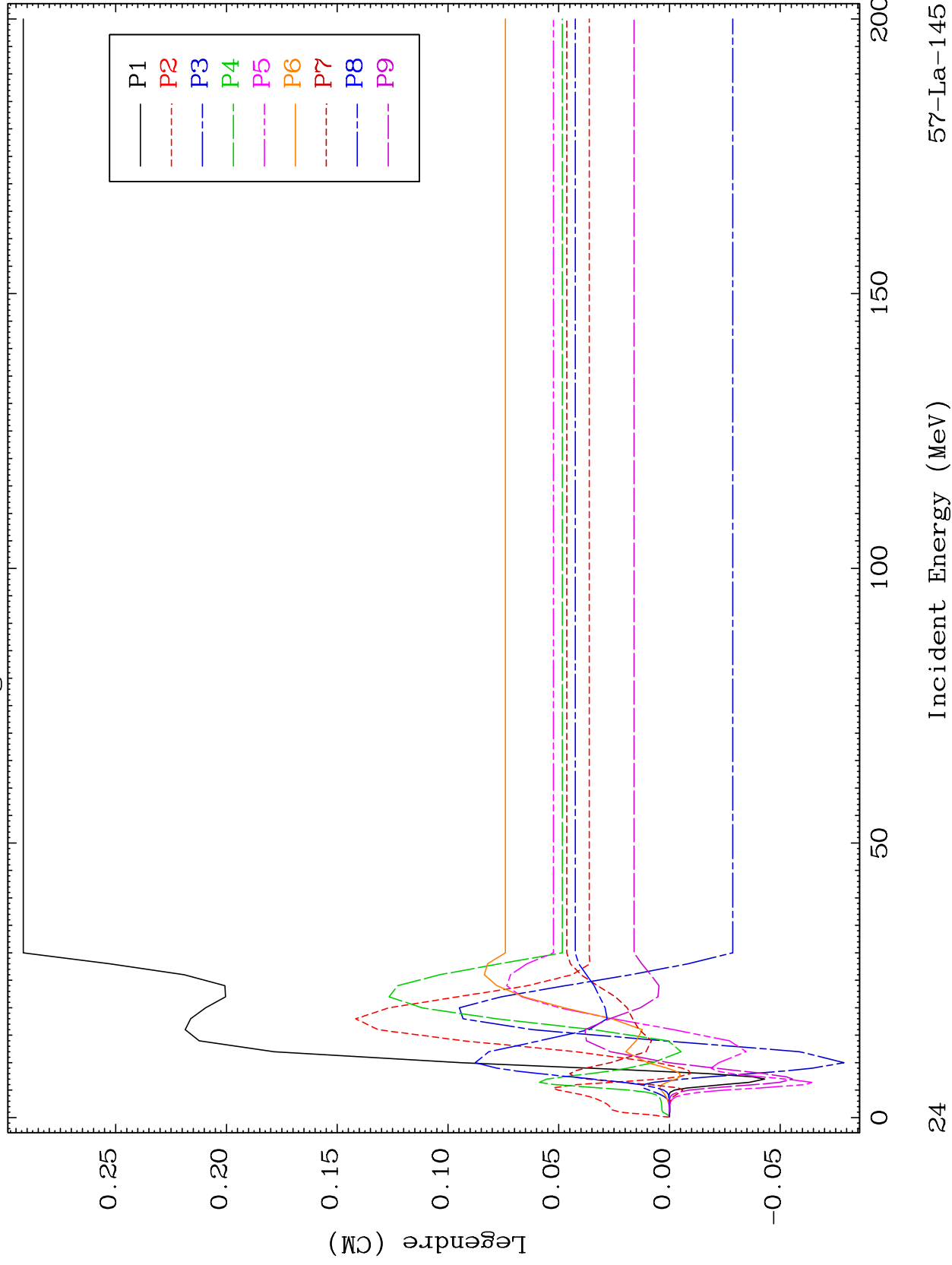
57-La-145



MAT 5746

96.60 keV (n,n') Level  
Legendre Coefficients

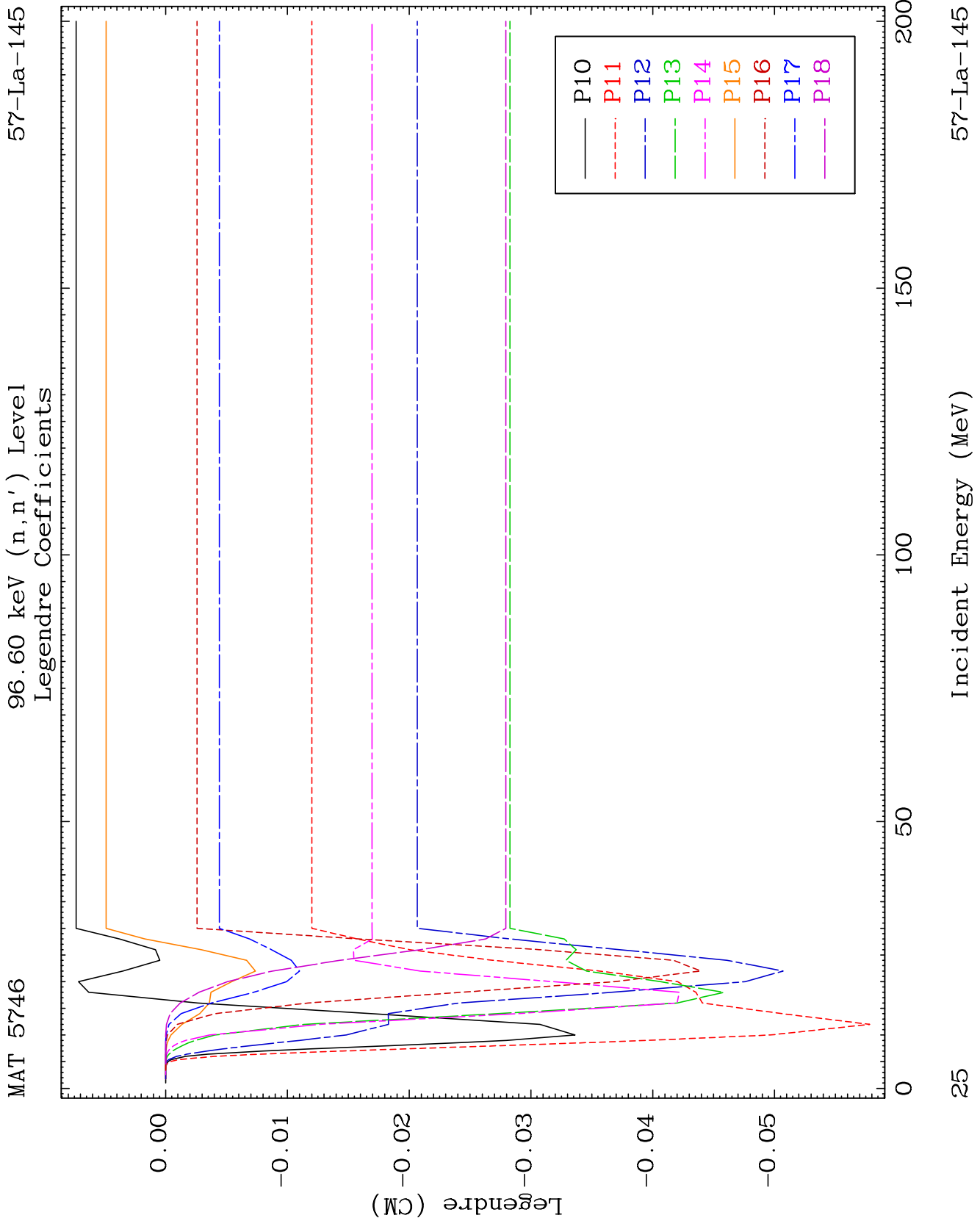
57-La-145



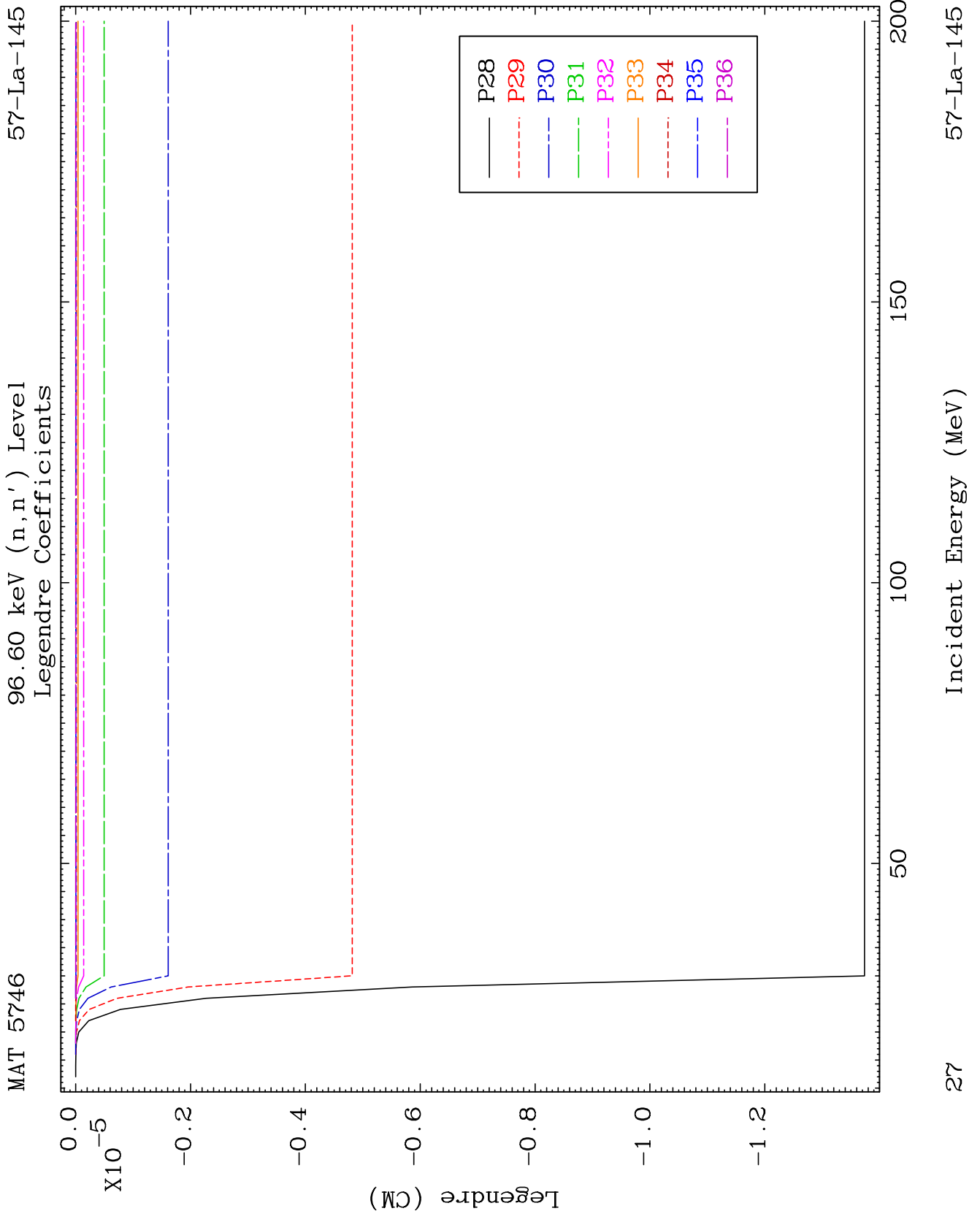
57-La-145

Incident Energy (MeV)

24



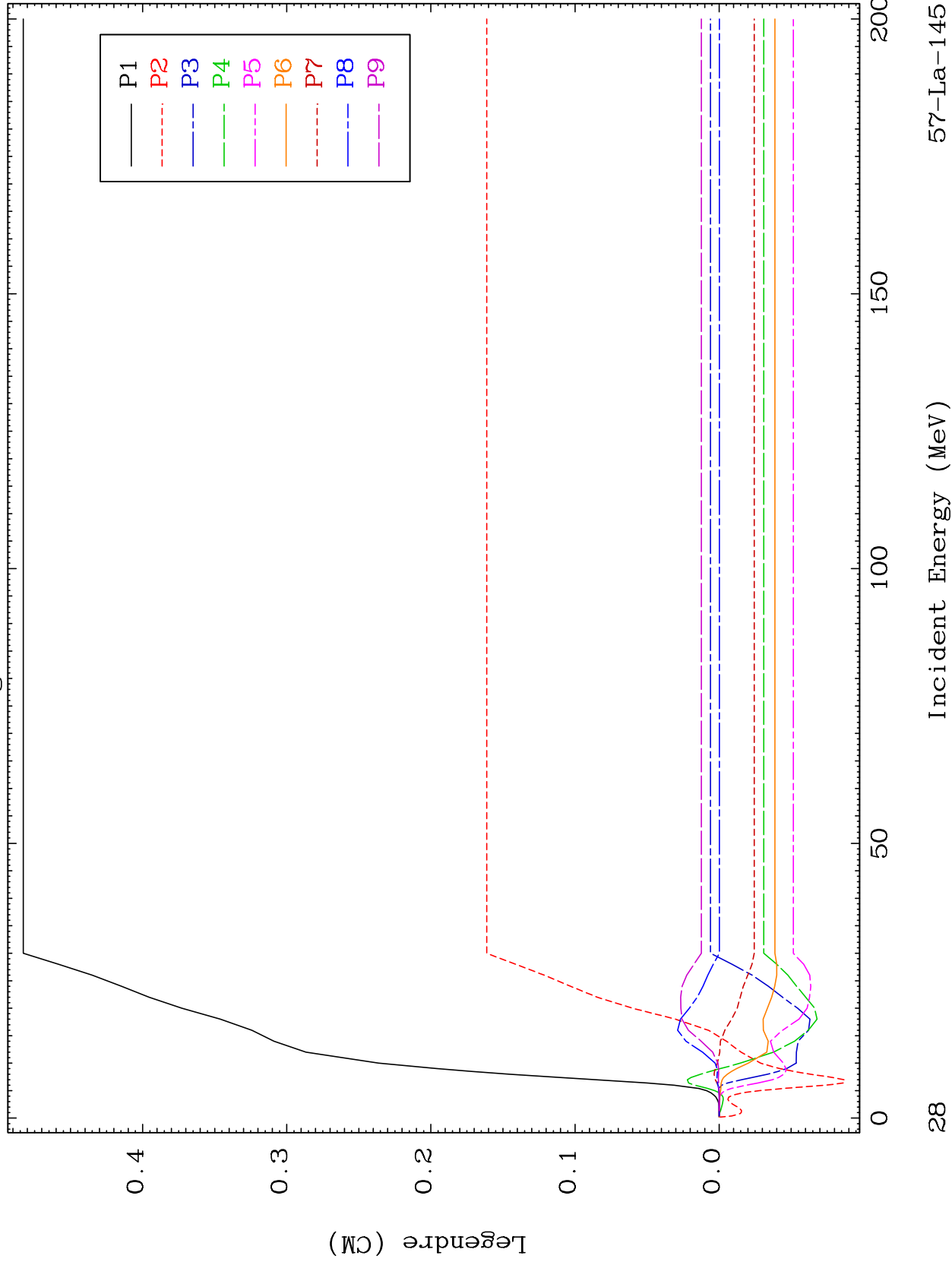




MAT 5746

189.0 keV (n,n') Level  
Legendre Coefficients

57-La-145

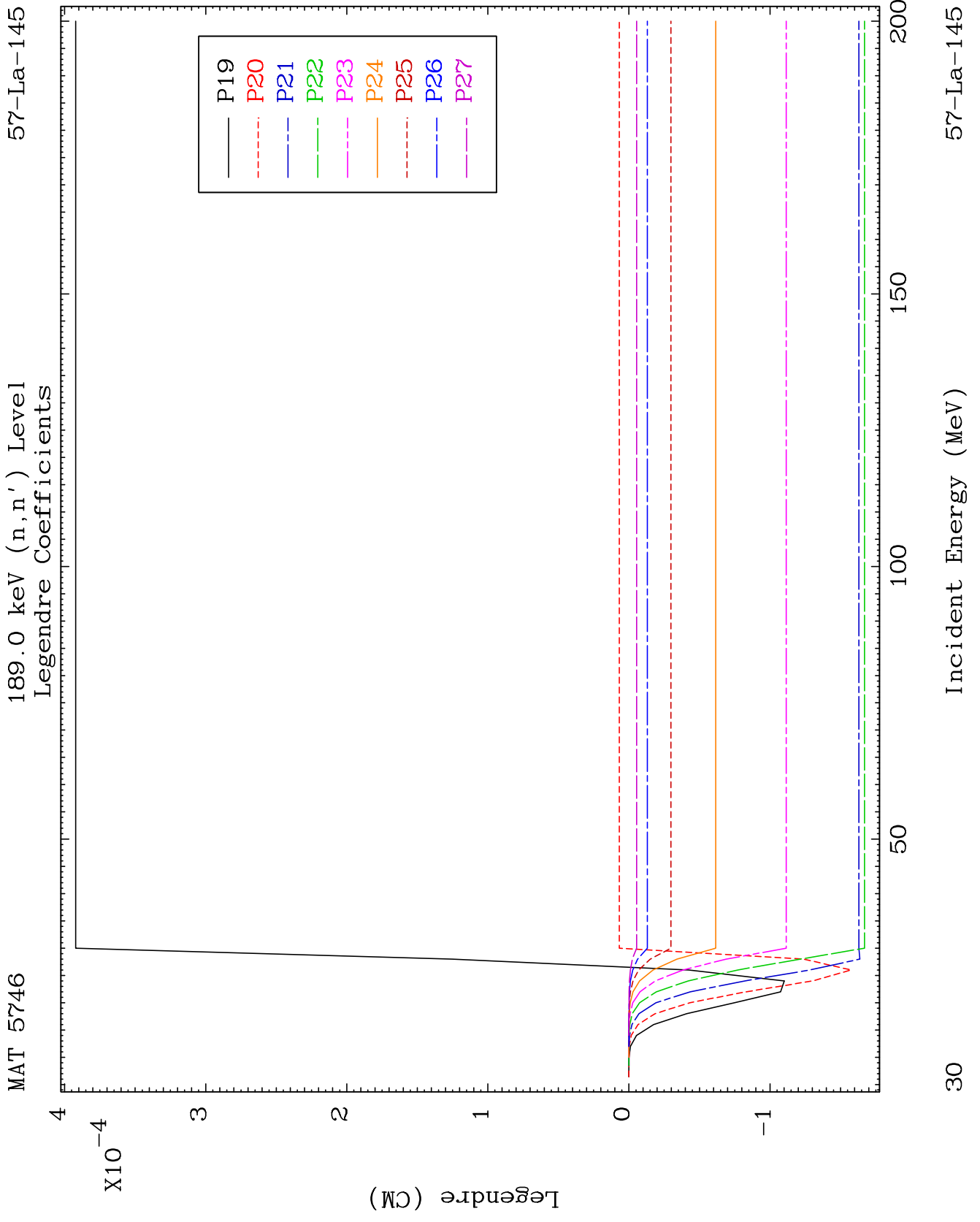


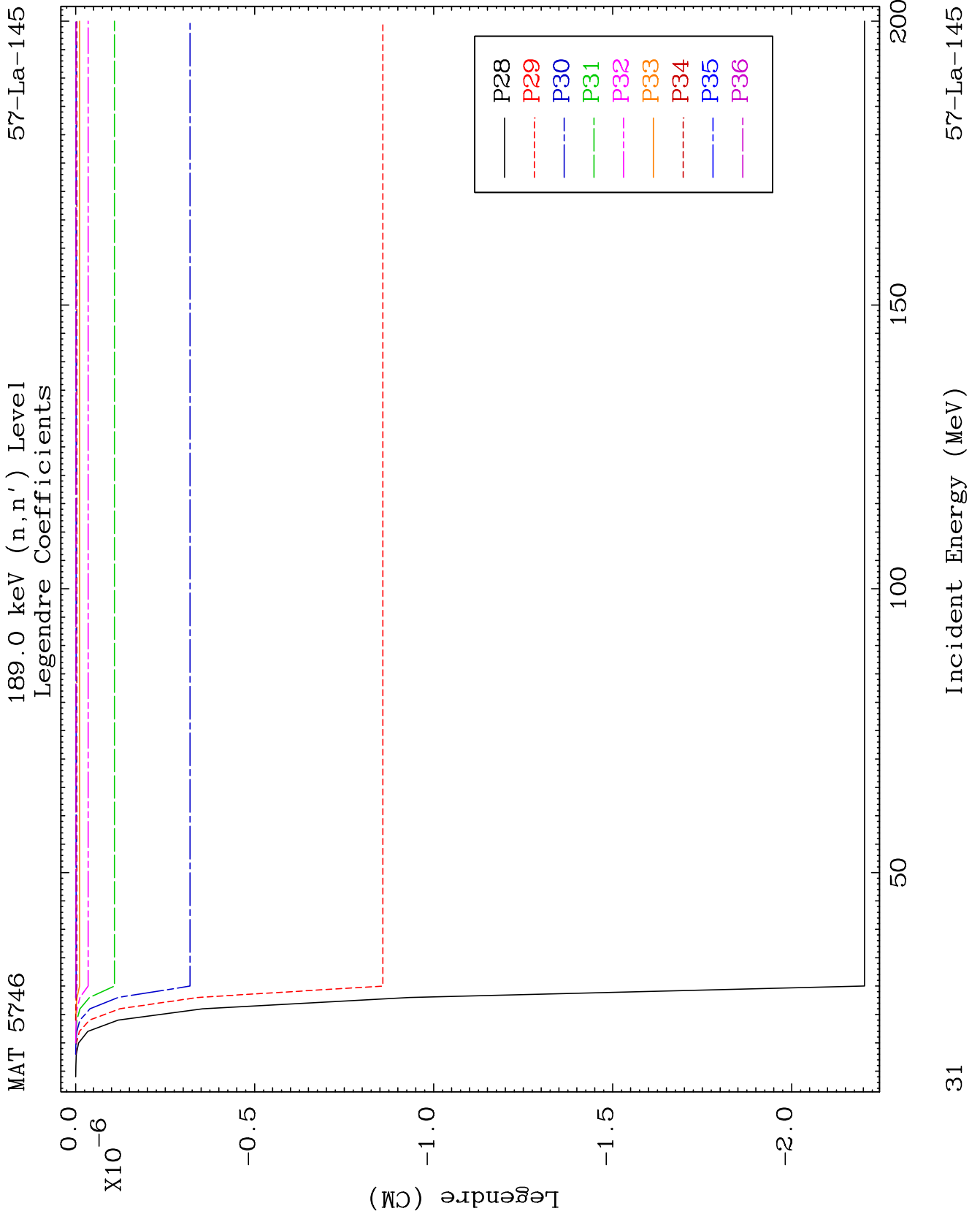
57-La-145

Incident Energy (MeV)

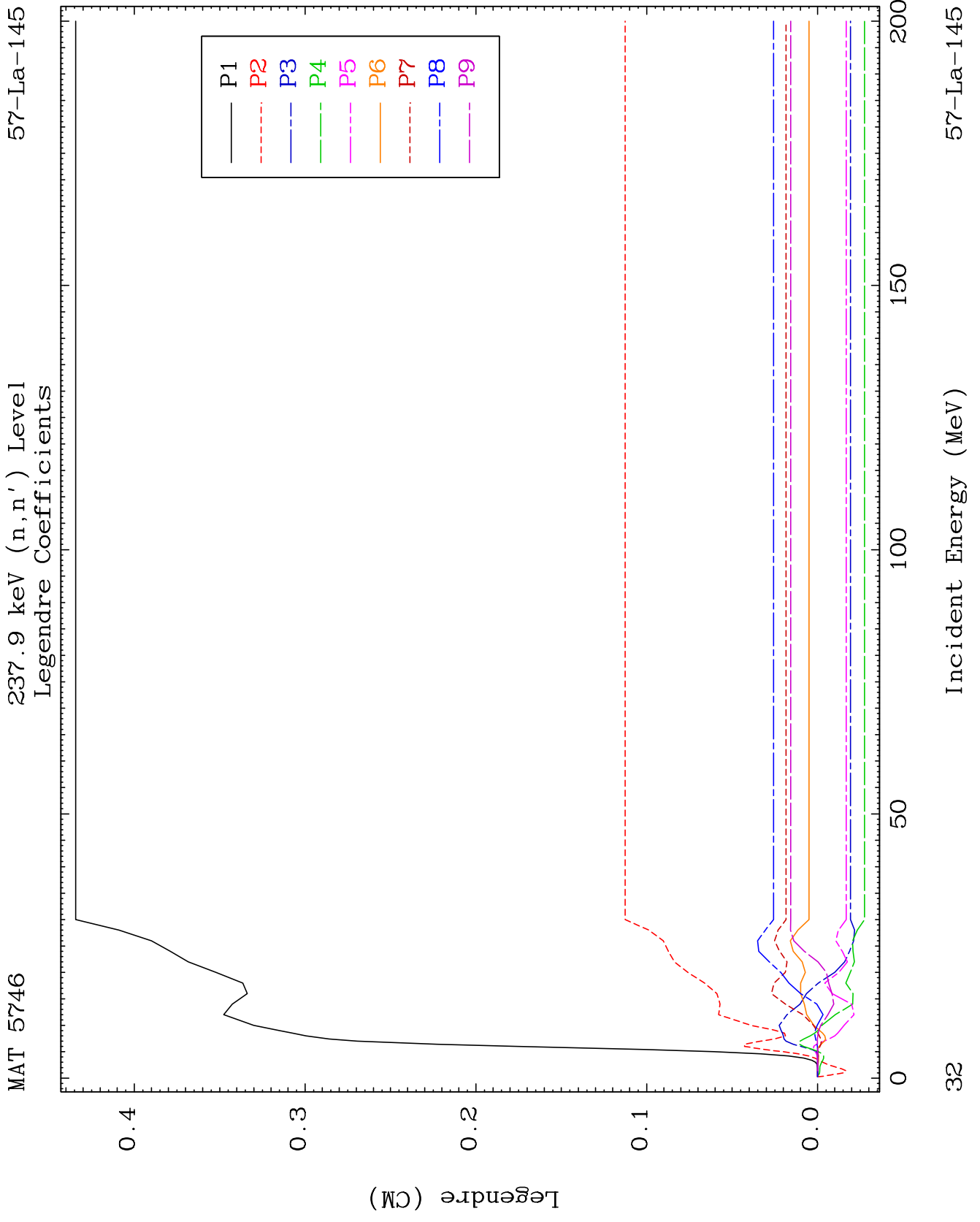
28







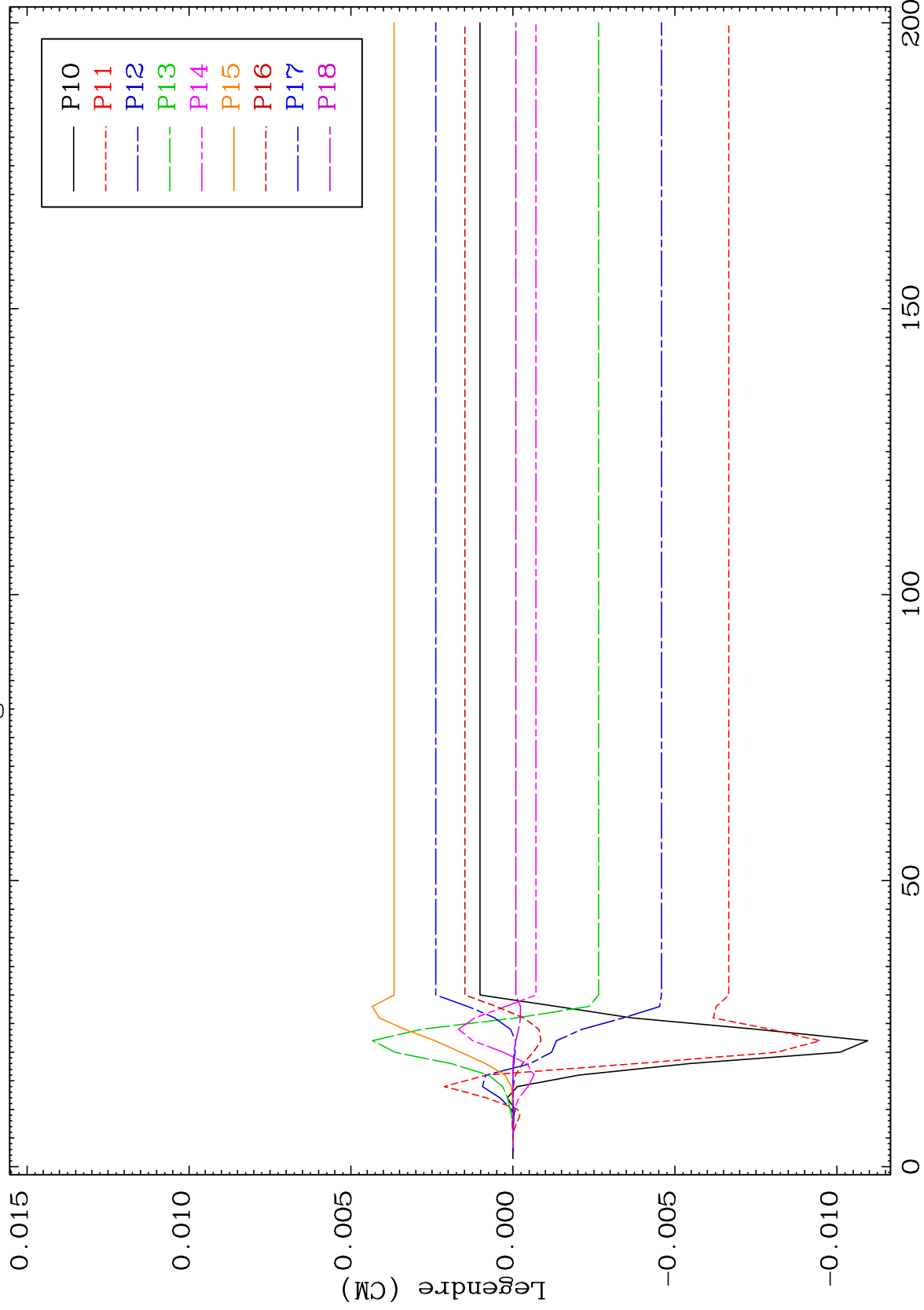




MAT 5746

237.9 keV (n,n') Level  
Legendre Coefficients

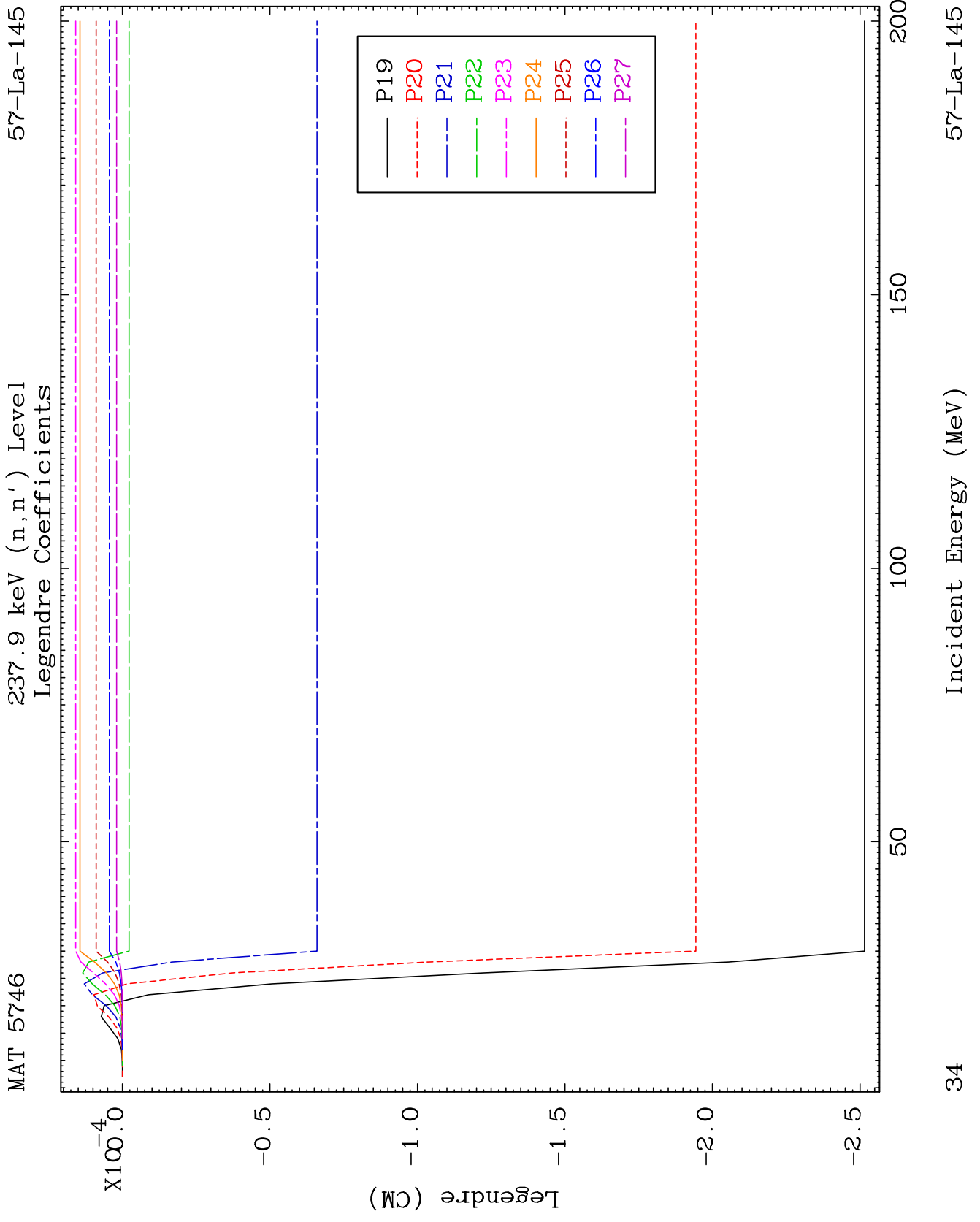
57-La-145

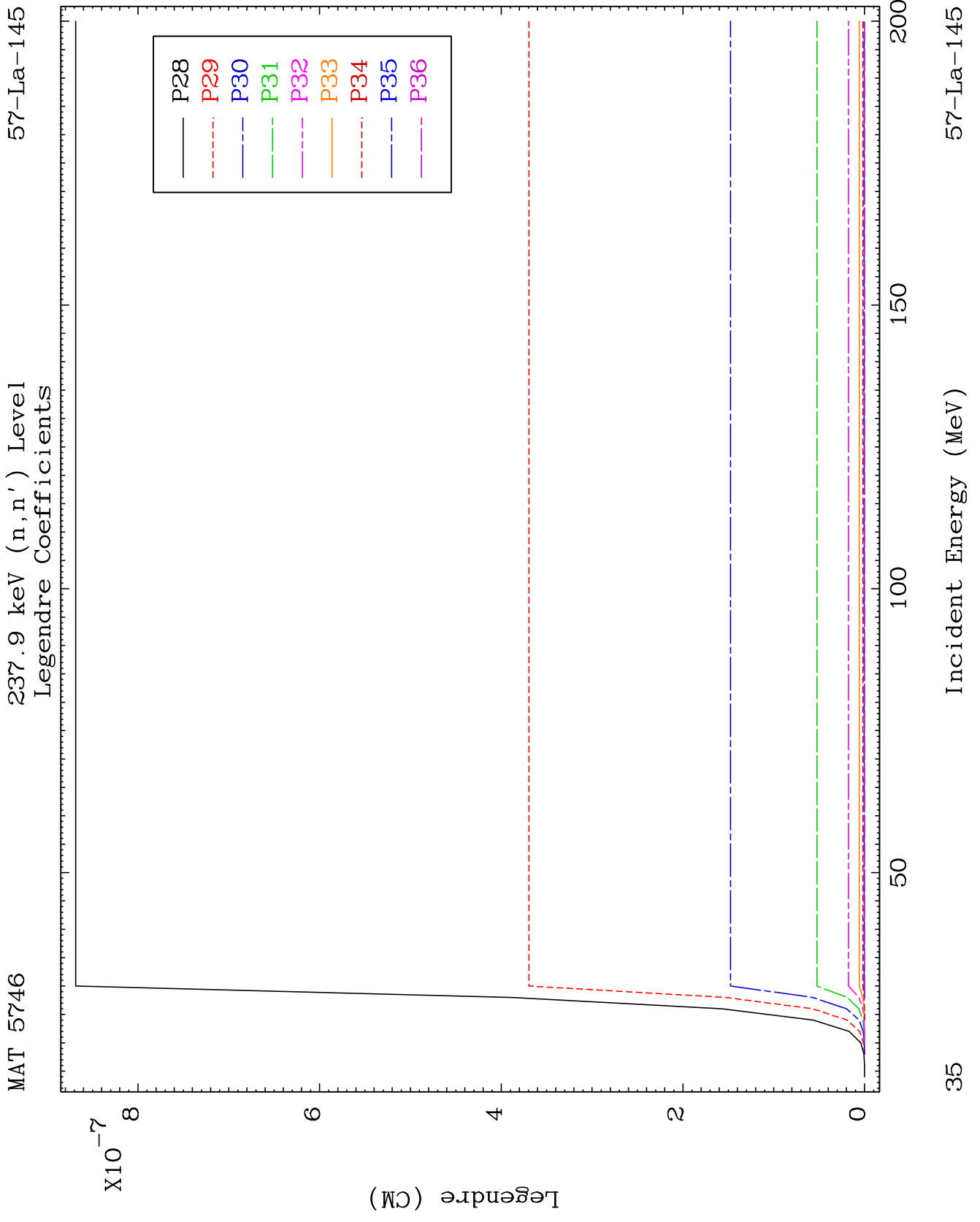


33

Incident Energy (MeV)

57-La-145

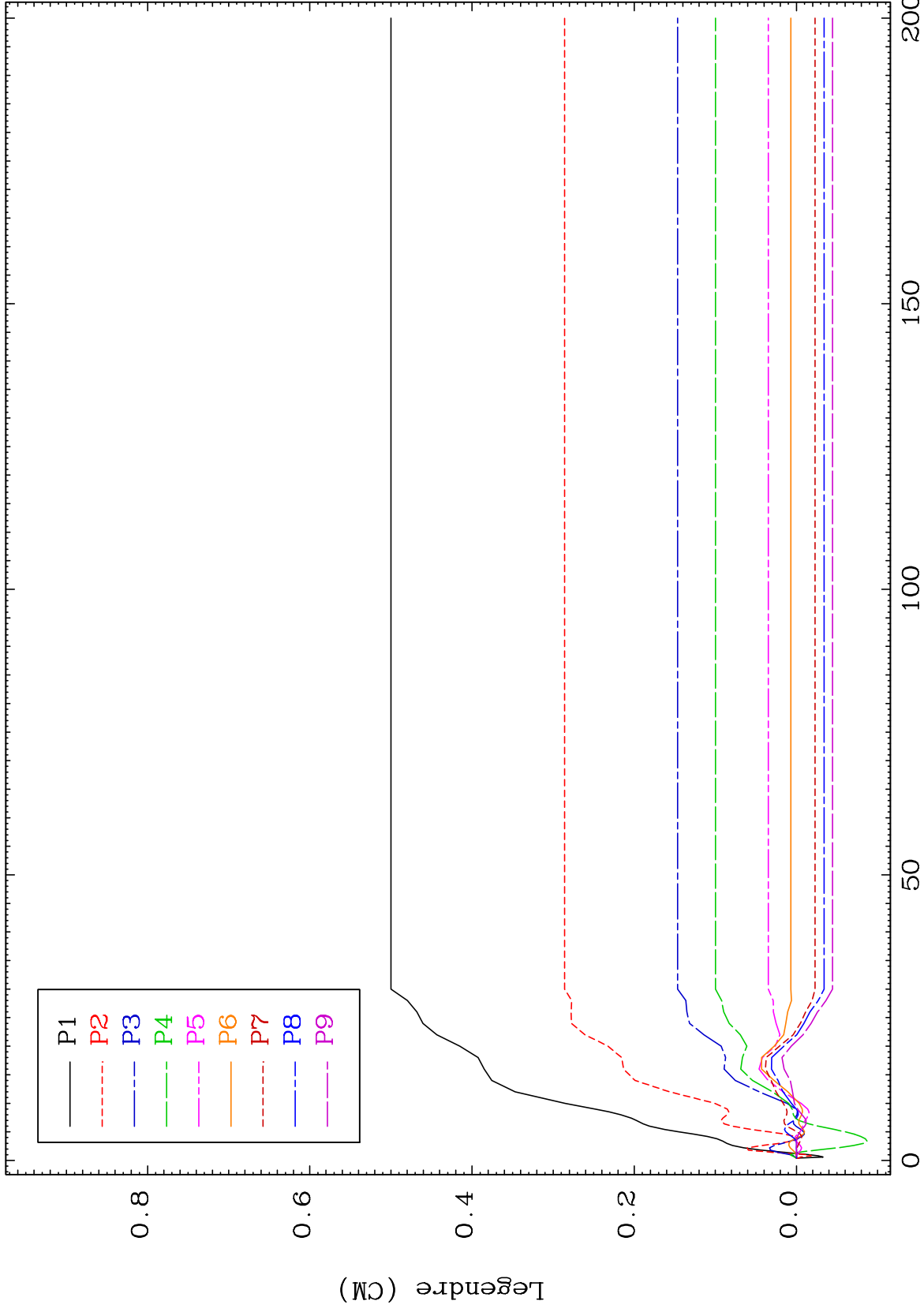




MAT 5746

351.5 keV (n,n') Level  
Legendre Coefficients

57-La-145



36

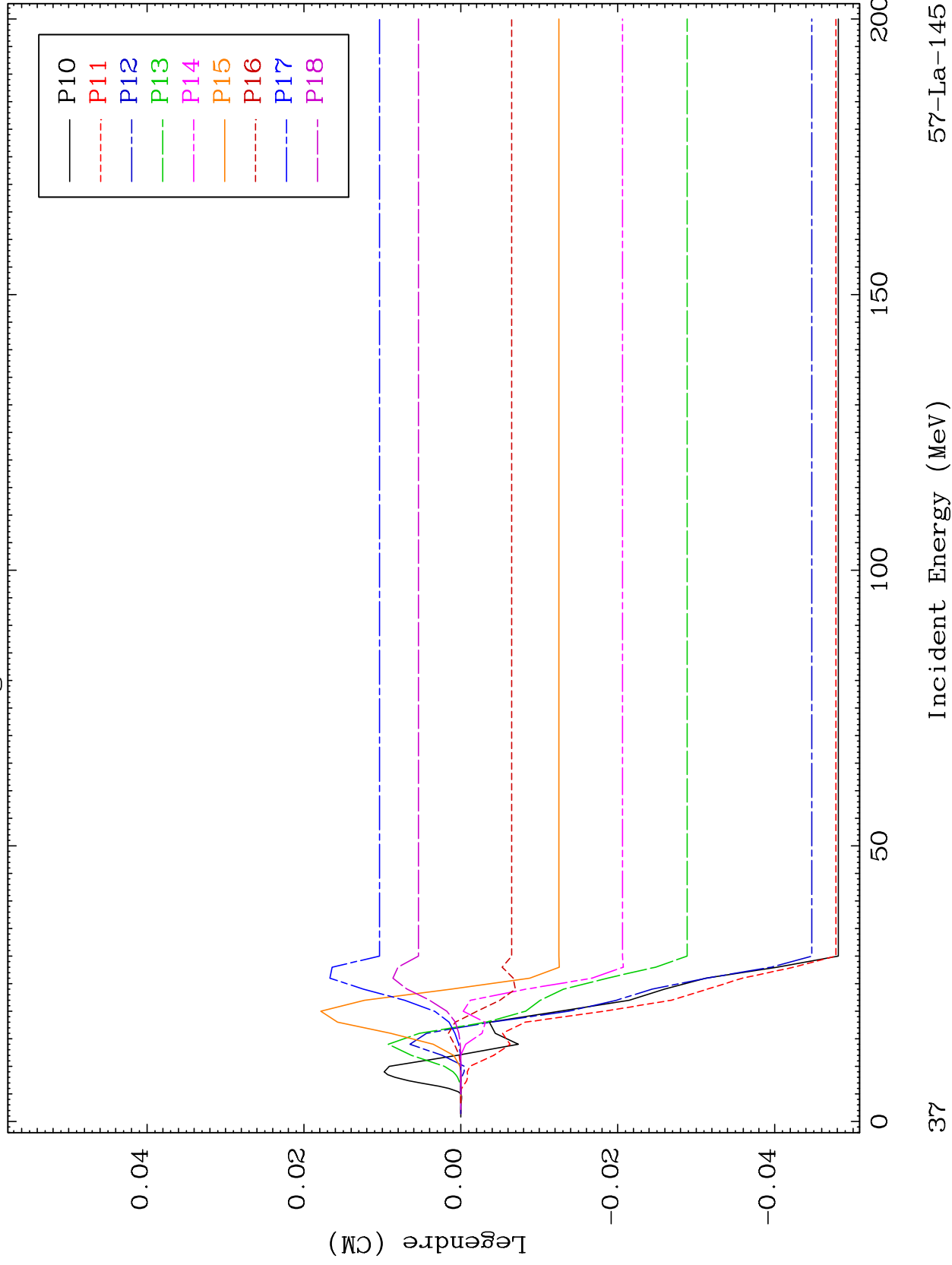
Incident Energy (MeV)

57-La-145

MAT 5746

351.5 keV (n,n') Level  
Legendre Coefficients

57-La-145



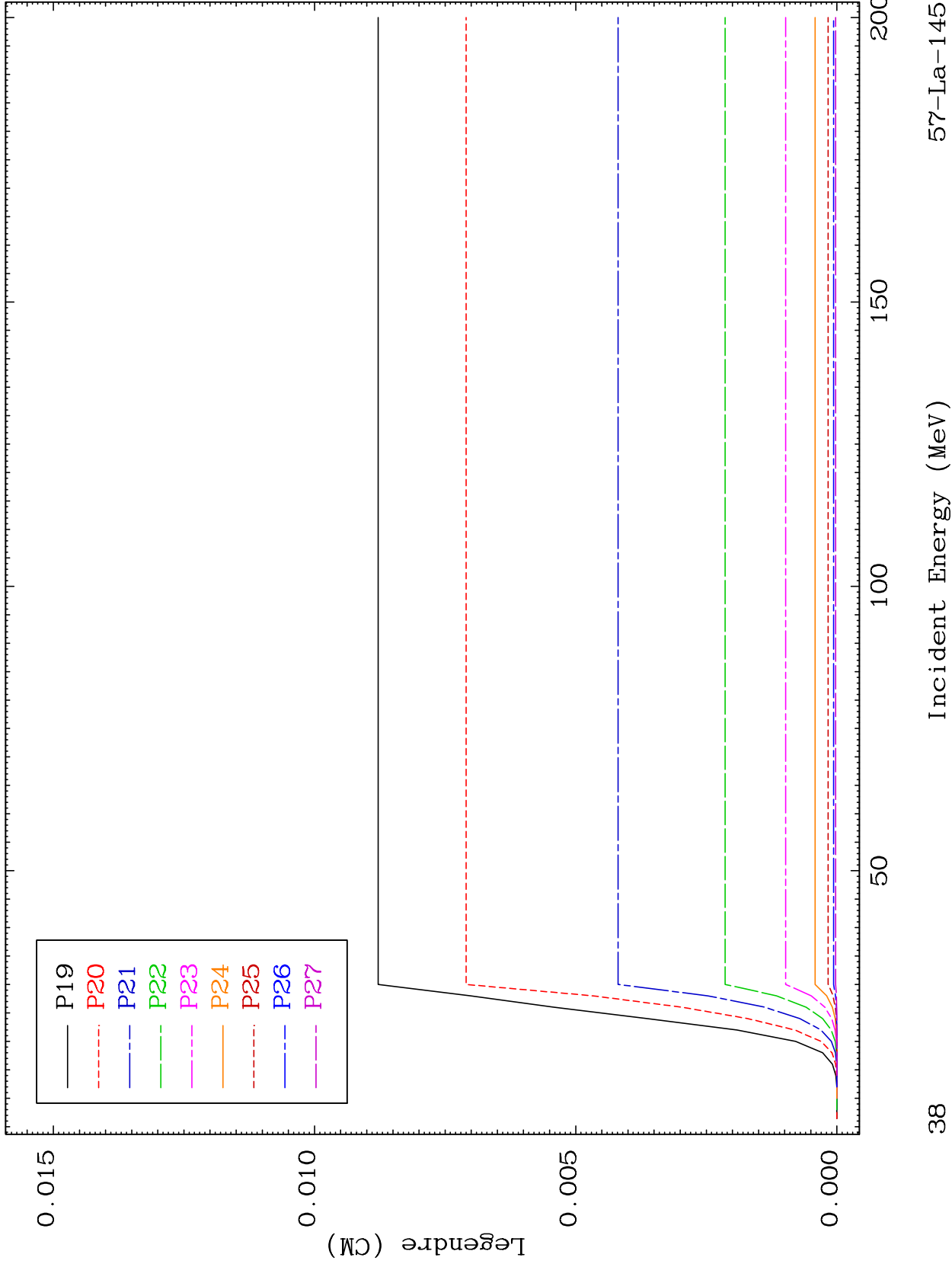
37

57-La-145

MAT 5746

351.5 keV (n,n') Level  
Legendre Coefficients

57-La-145



38

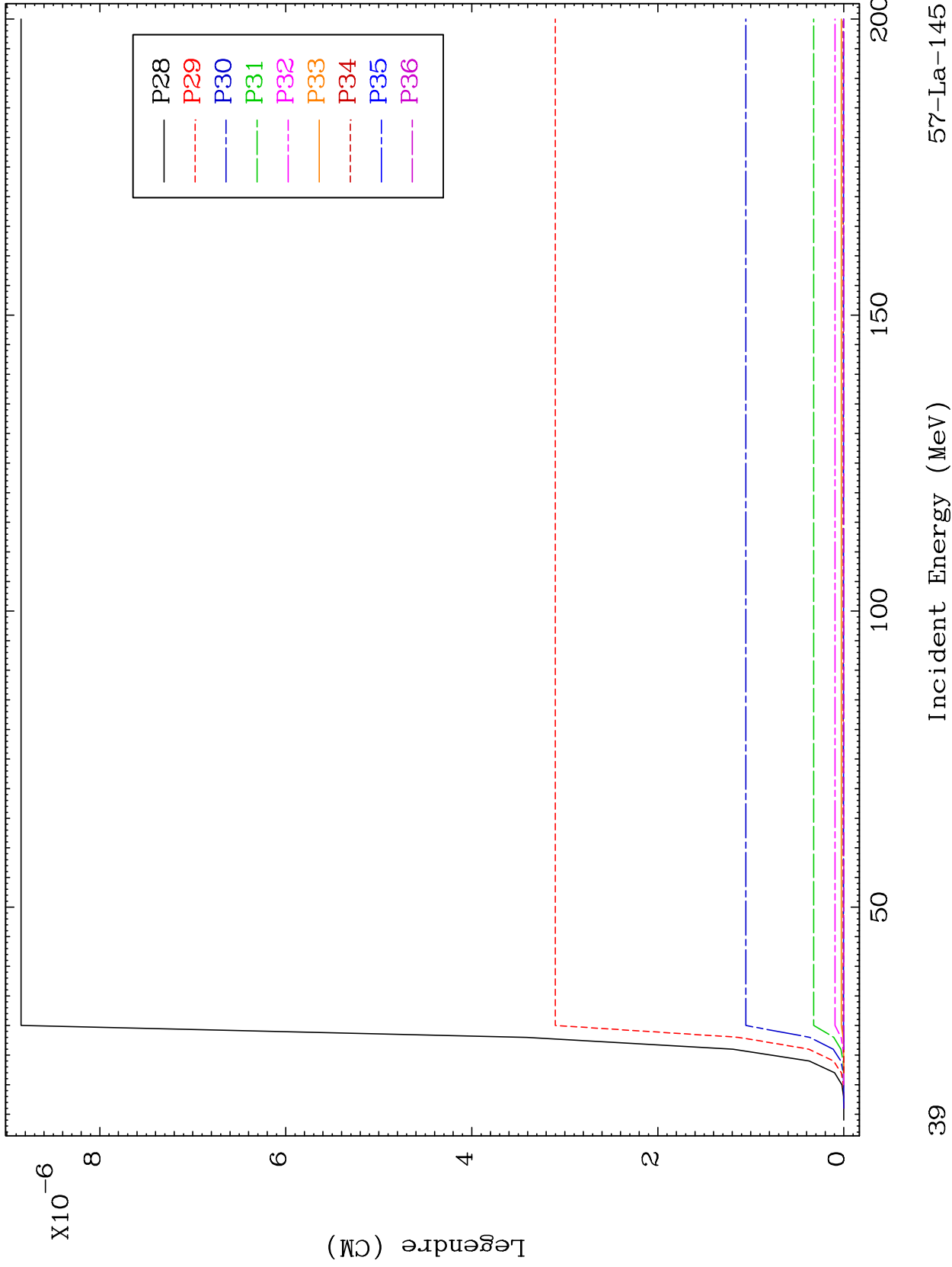
Incident Energy (MeV)

57-La-145

MAT 5746

351.5 keV (n,n') Level  
Legendre Coefficients

57-La-145

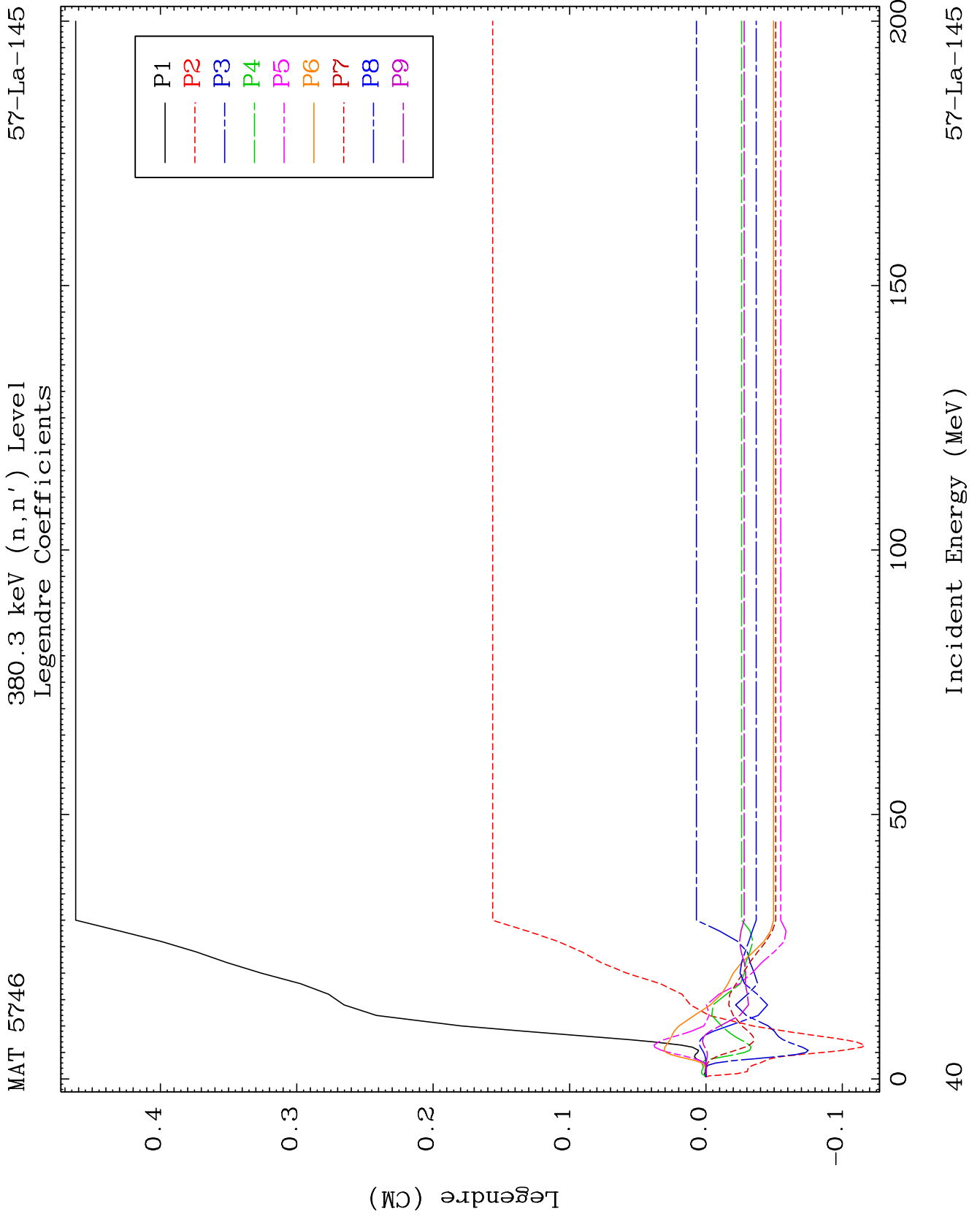


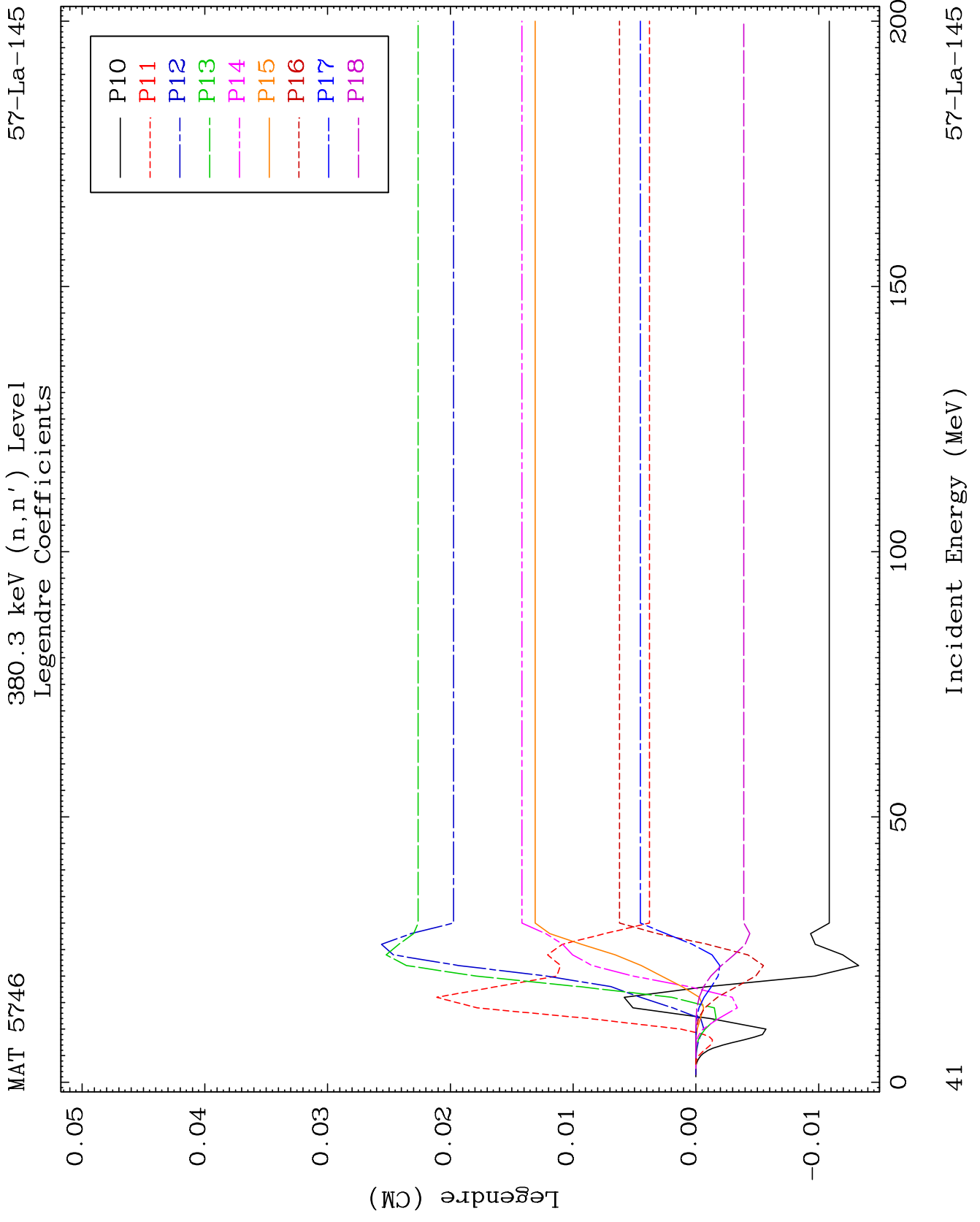
39

Incident Energy (MeV)

57-La-145



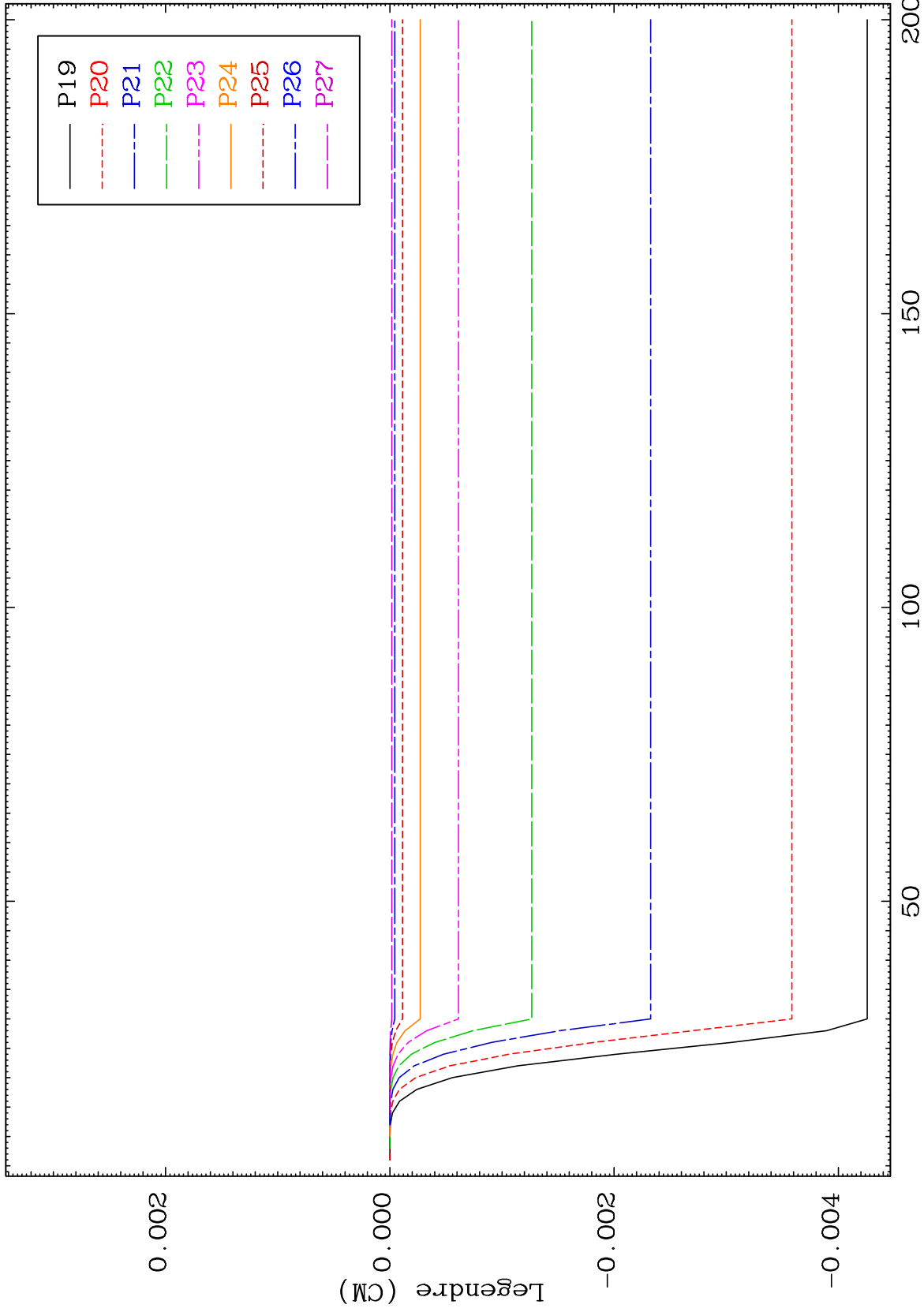




MAT 5746

380.3 keV (n,n') Level  
Legendre Coefficients

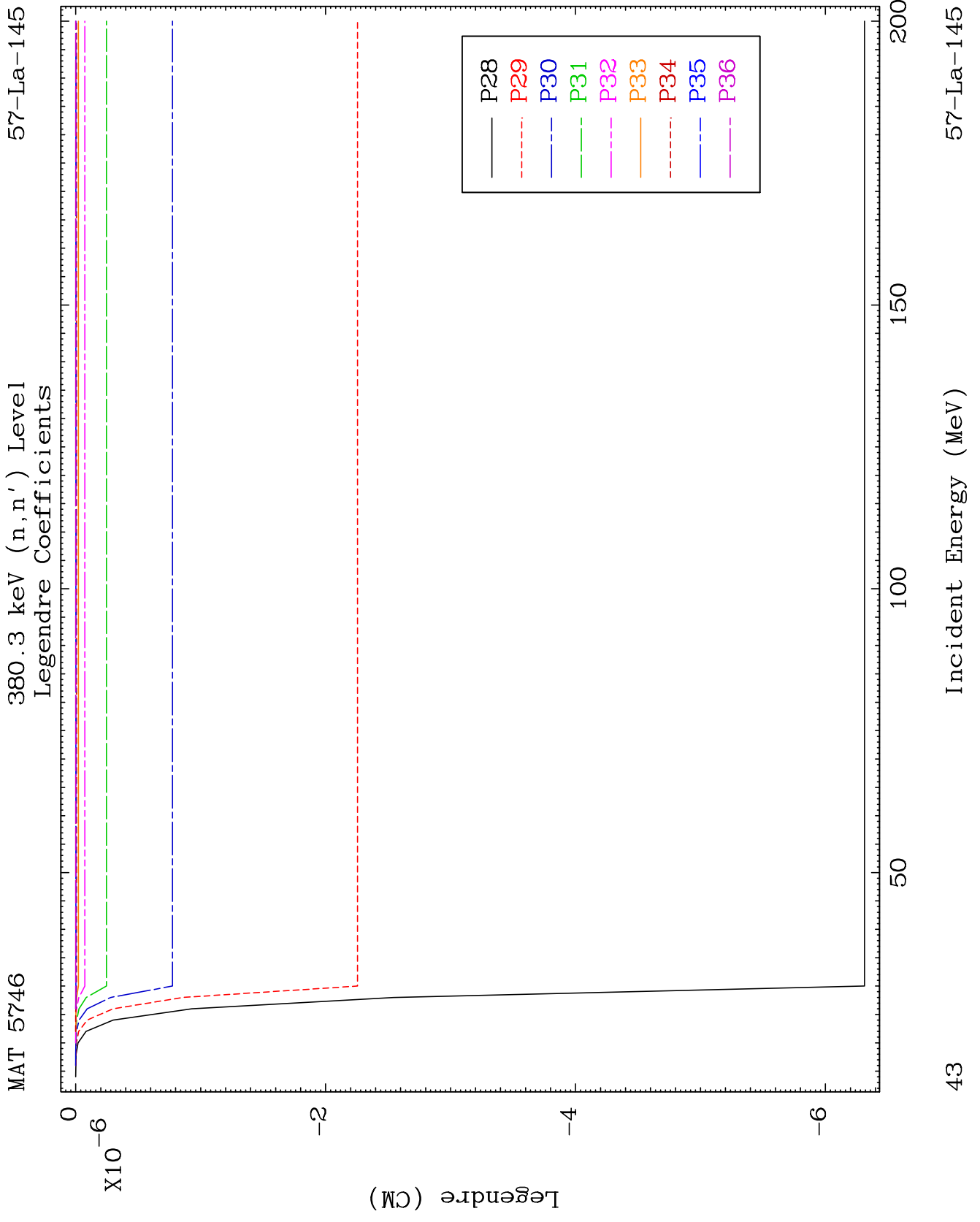
57-La-145

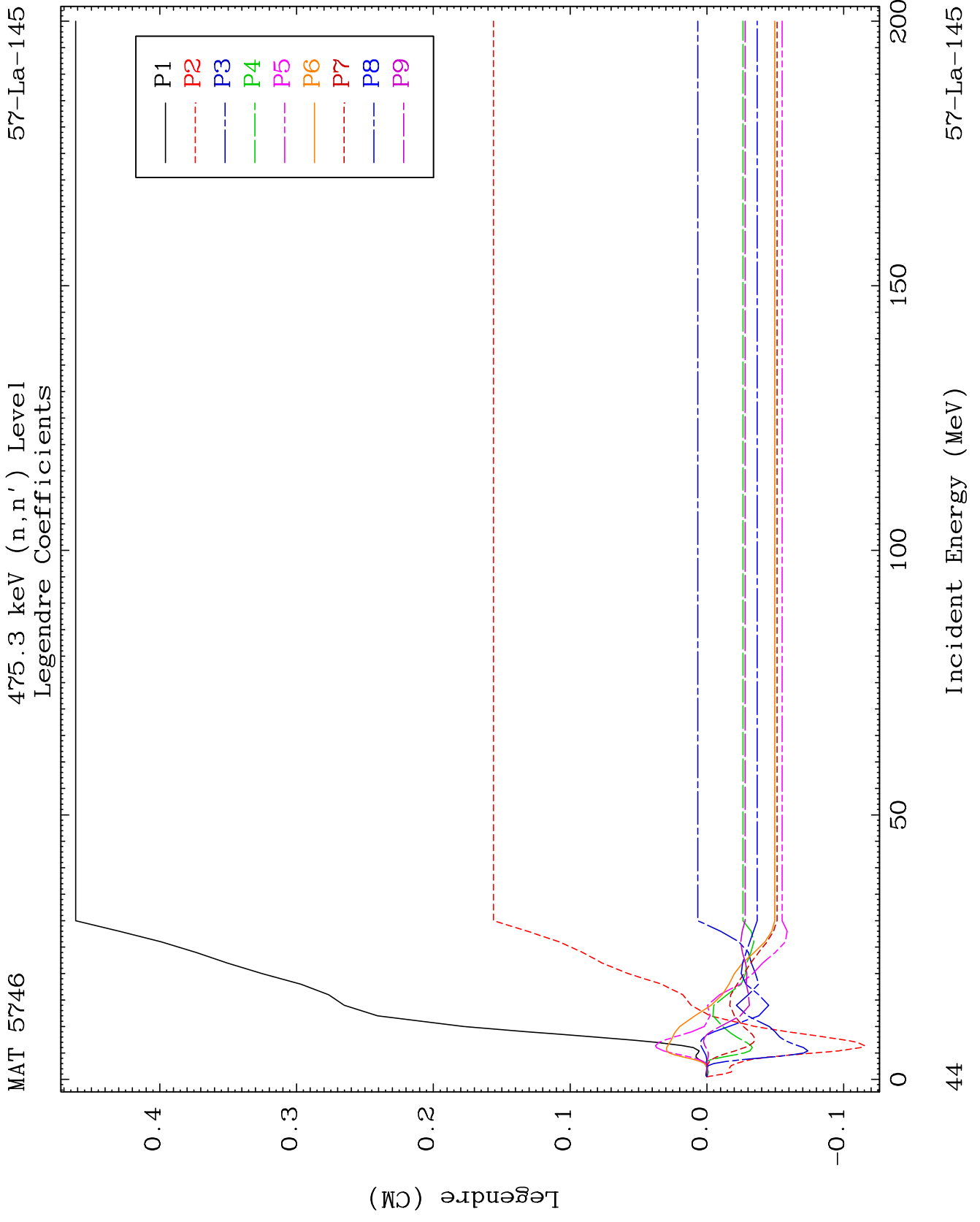


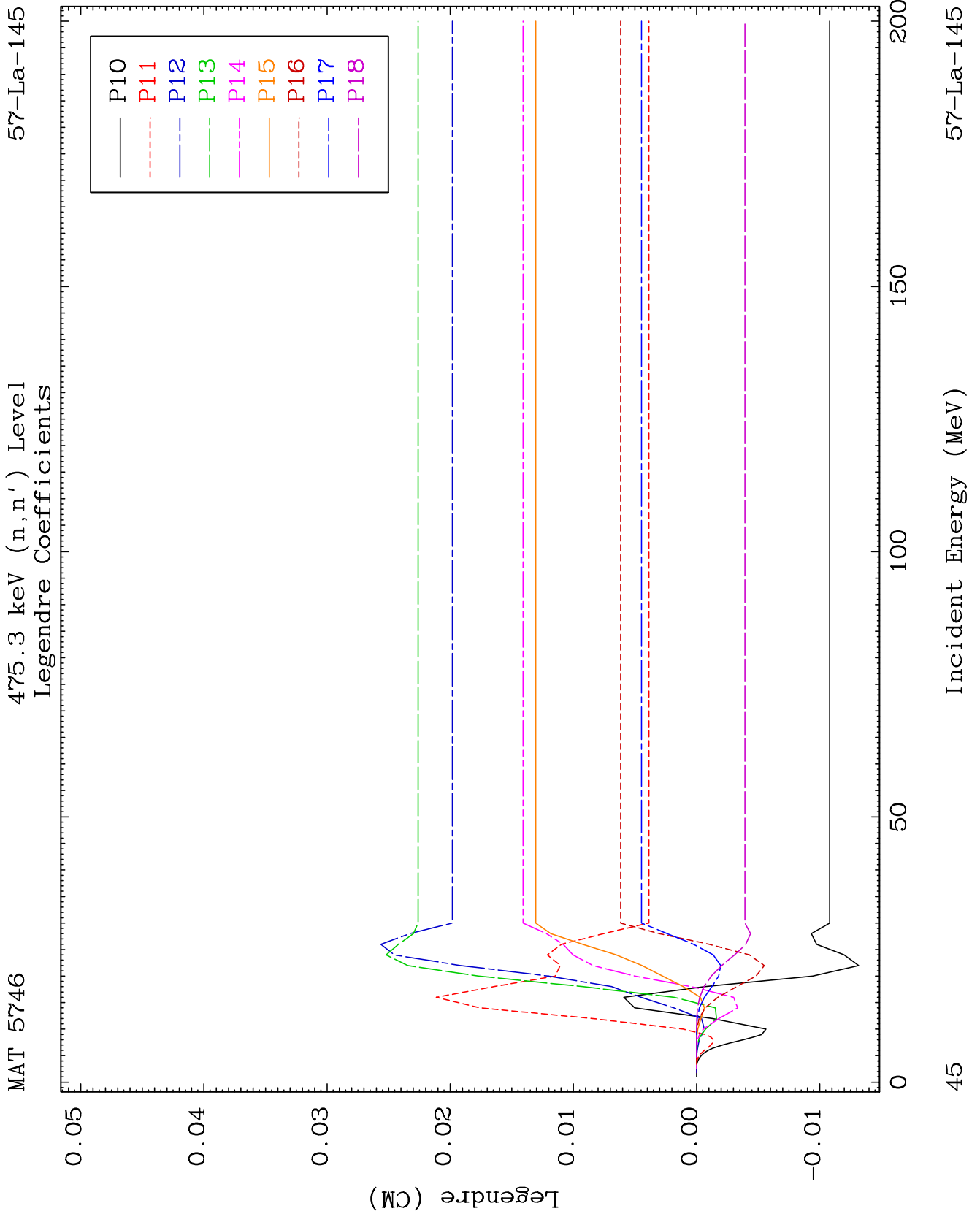
42

Incident Energy (MeV)

57-La-145



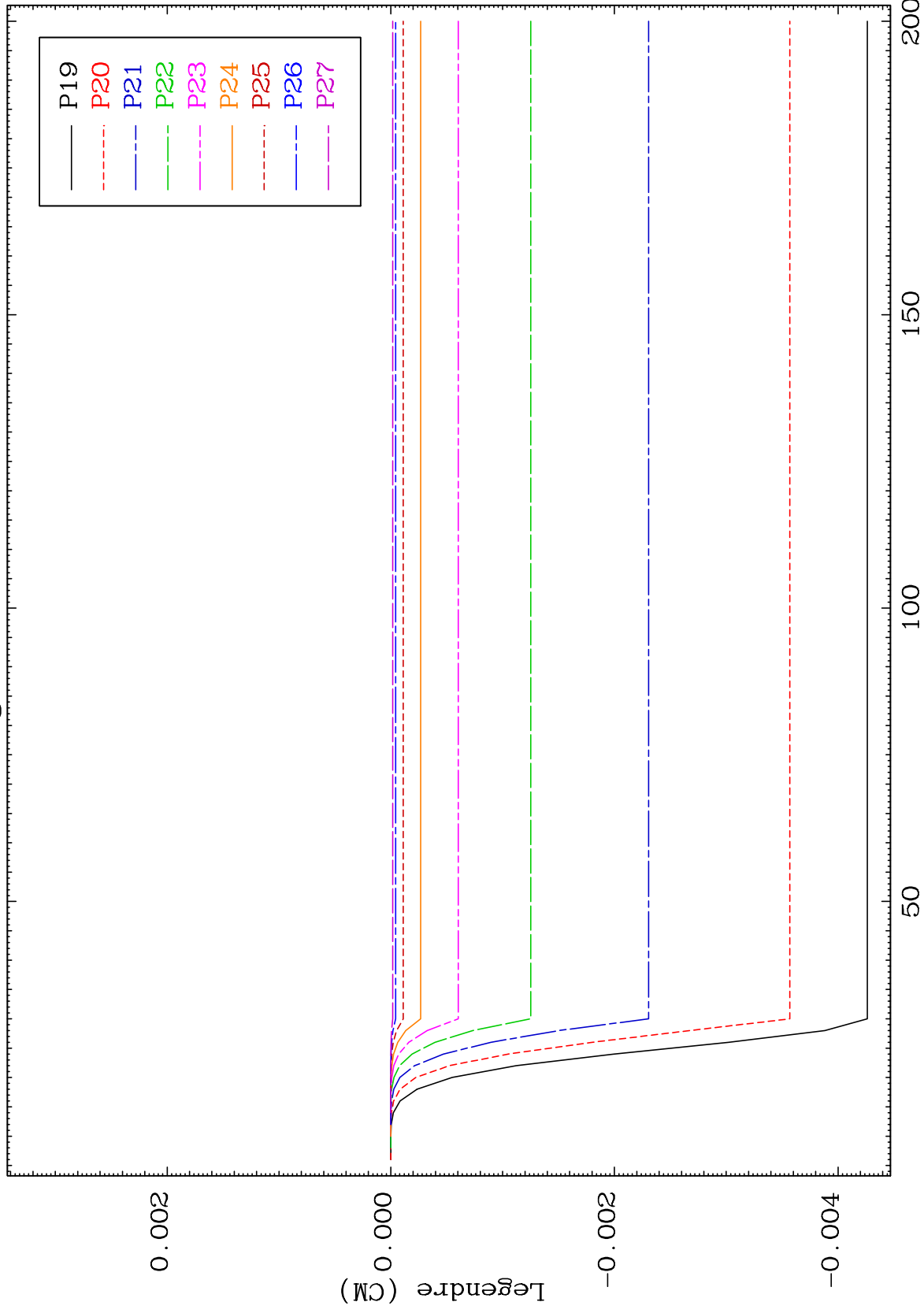




MAT 5746

475.3 keV (n,n') Level  
Legendre Coefficients

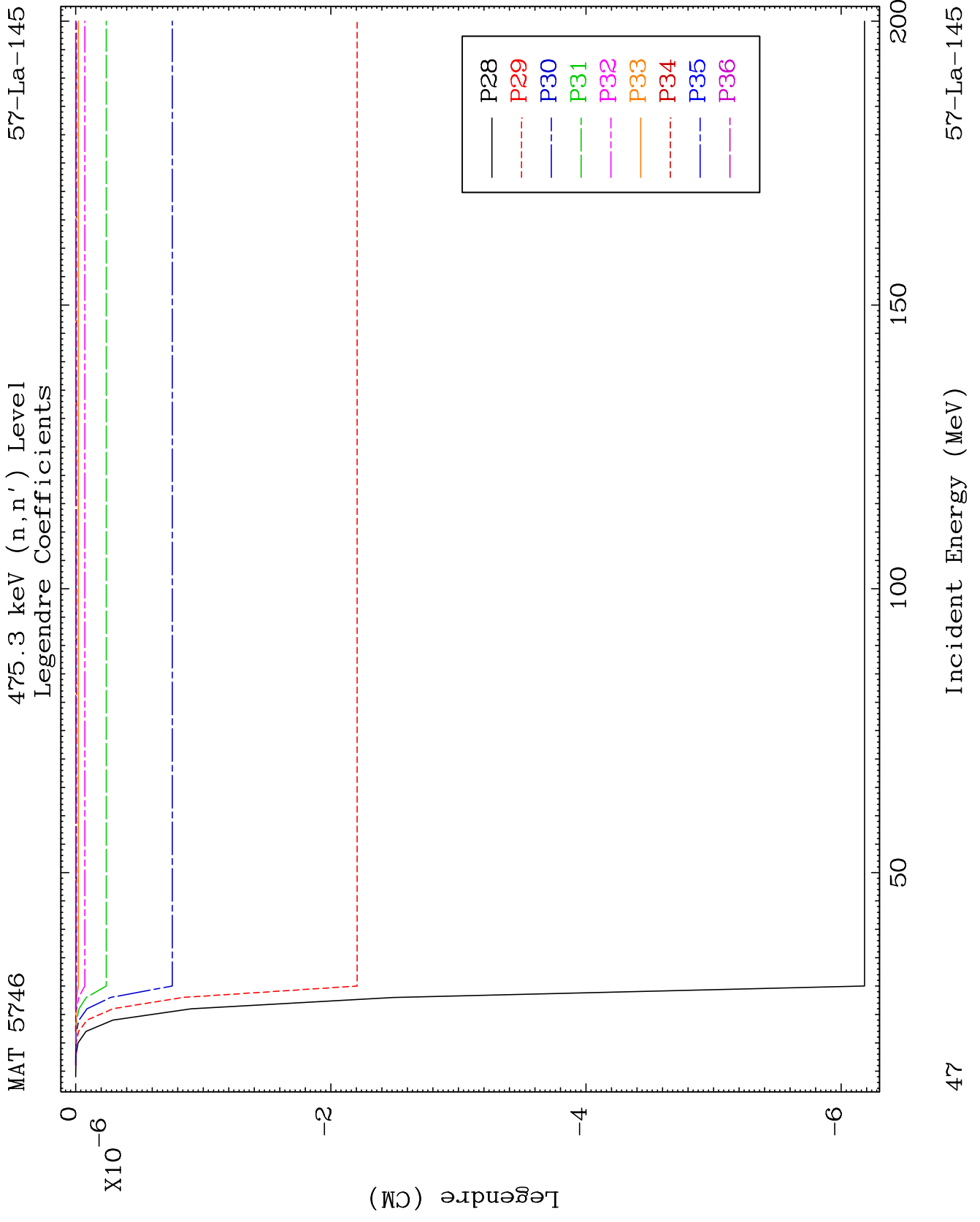
57-La-145



46

Incident Energy (MeV)

57-La-145

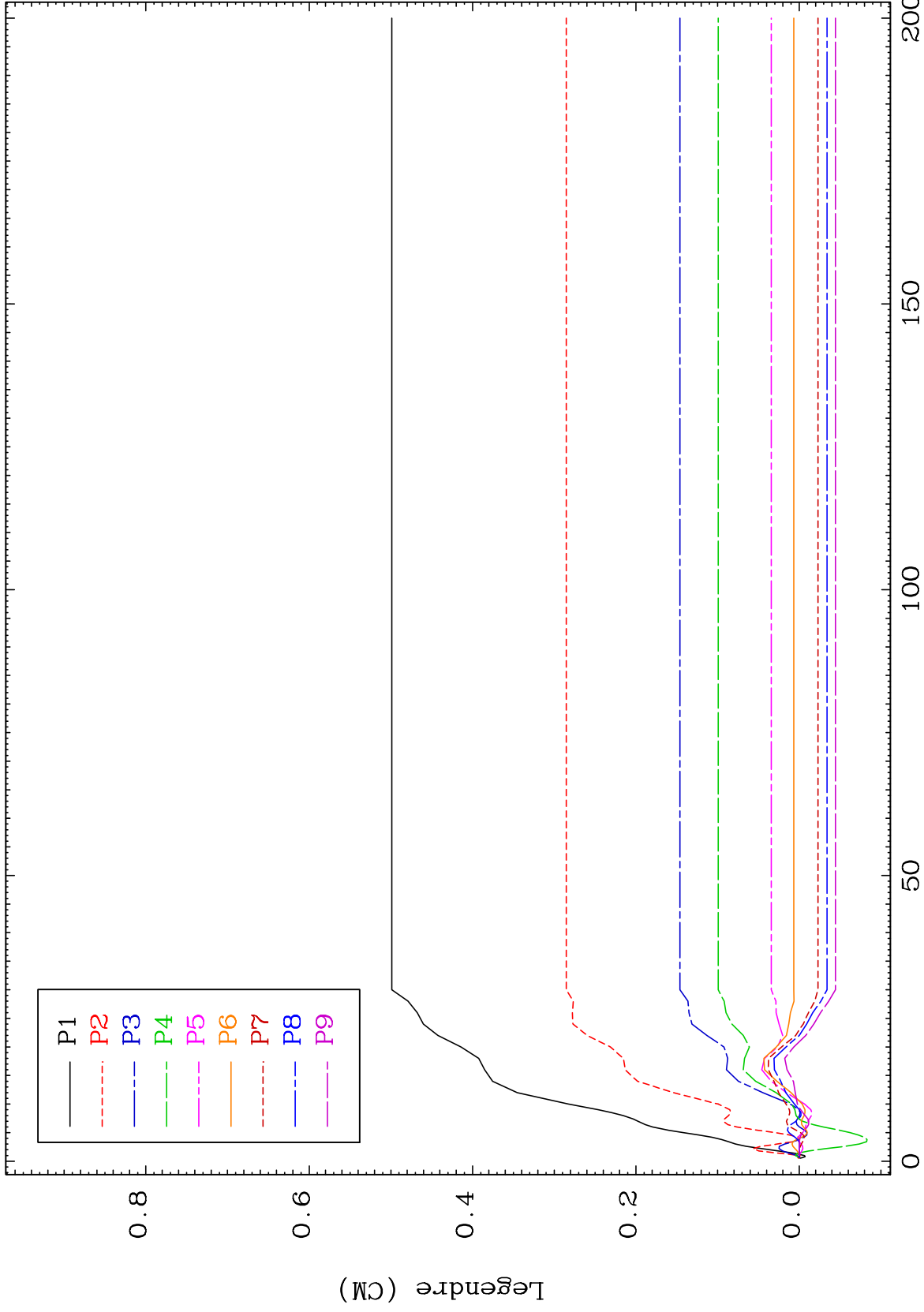




MAT 5746

492.2 keV (n,n') Level  
Legendre Coefficients

57-La-145



48

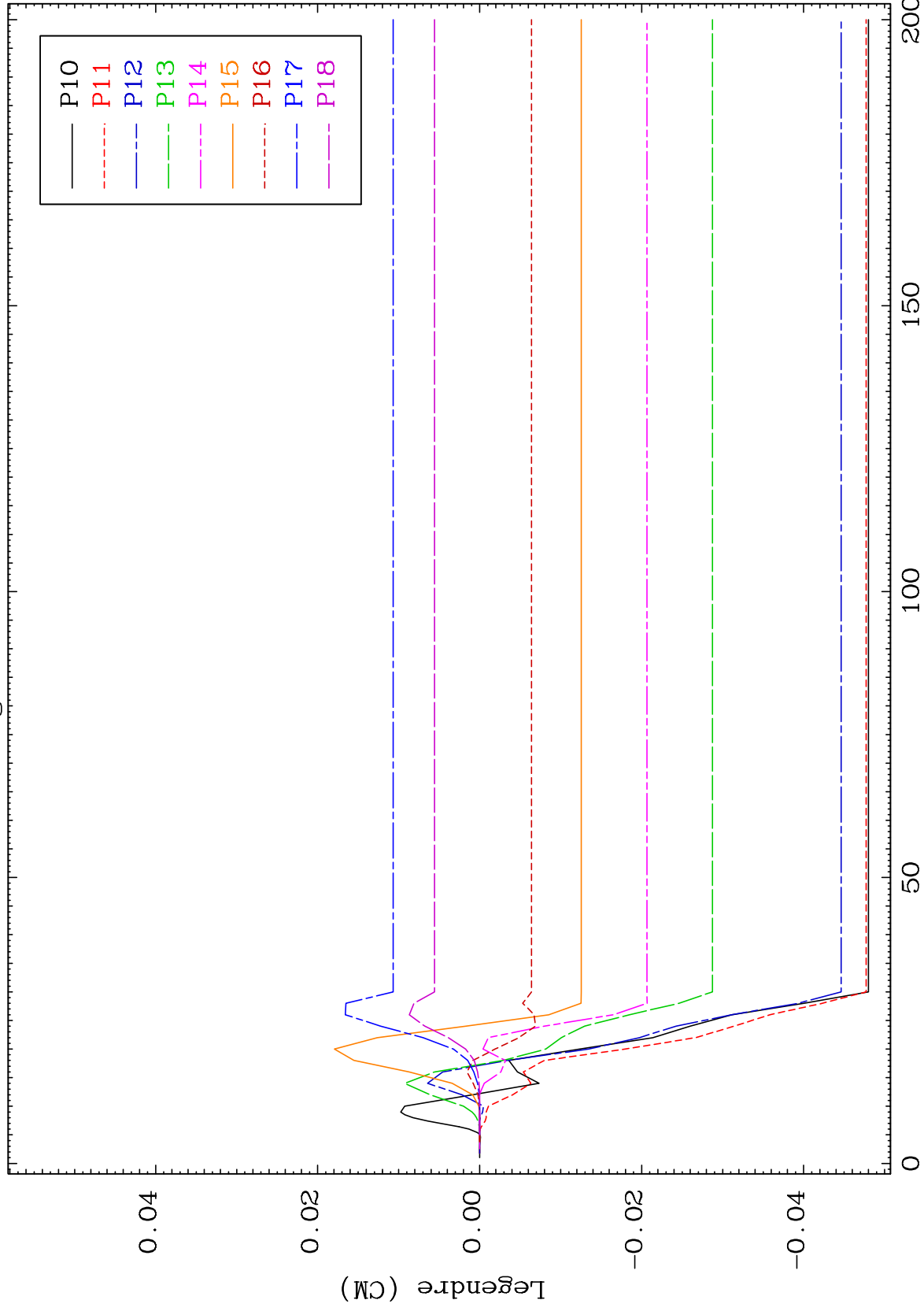
Incident Energy (MeV)

57-La-145

MAT 5746

492.2 keV (n,n') Level  
Legendre Coefficients

57-La-145



49

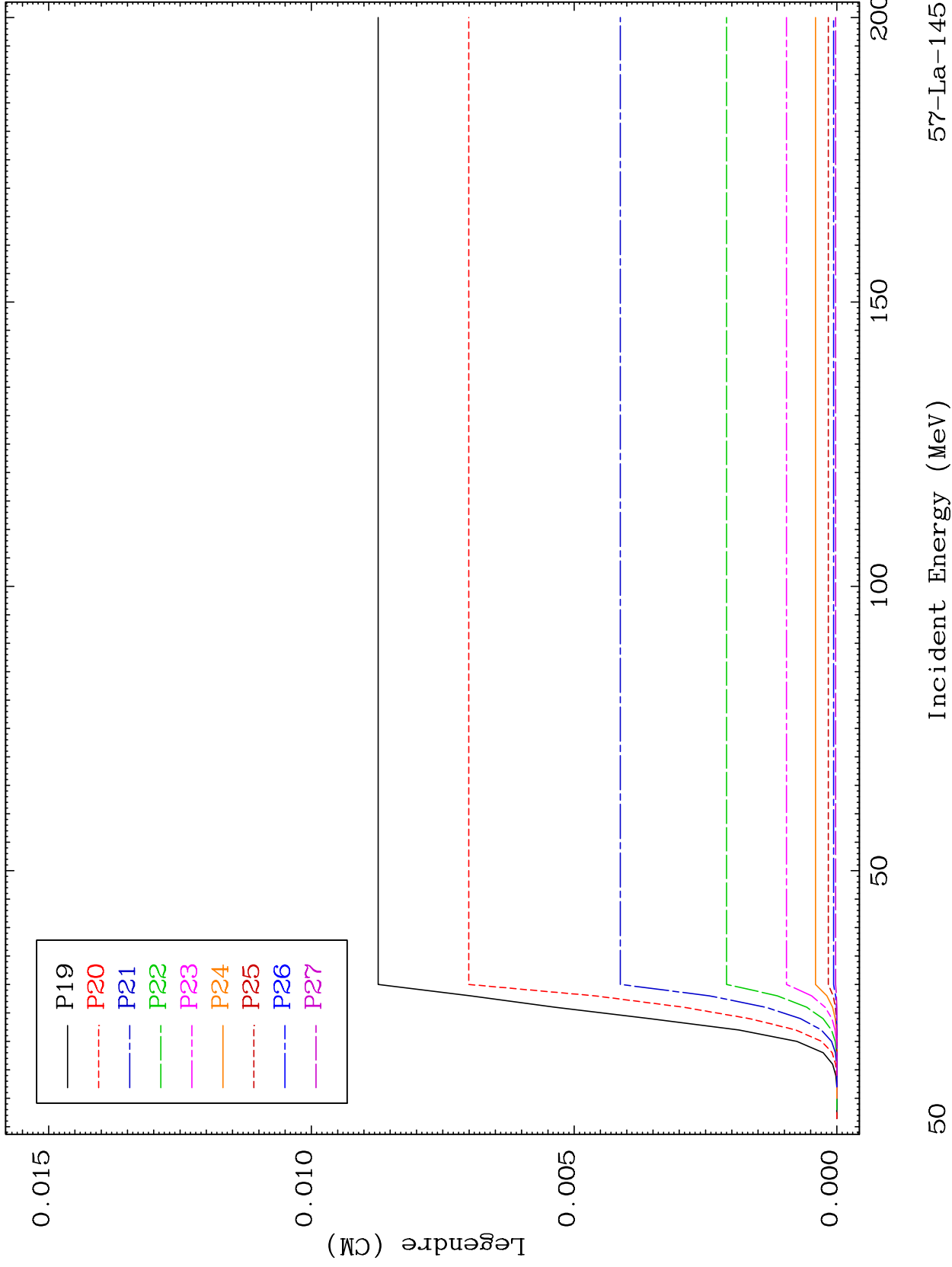
Incident Energy (MeV)

57-La-145

MAT 5746

492.2 keV (n,n') Level  
Legendre Coefficients

57-La-145



57-La-145

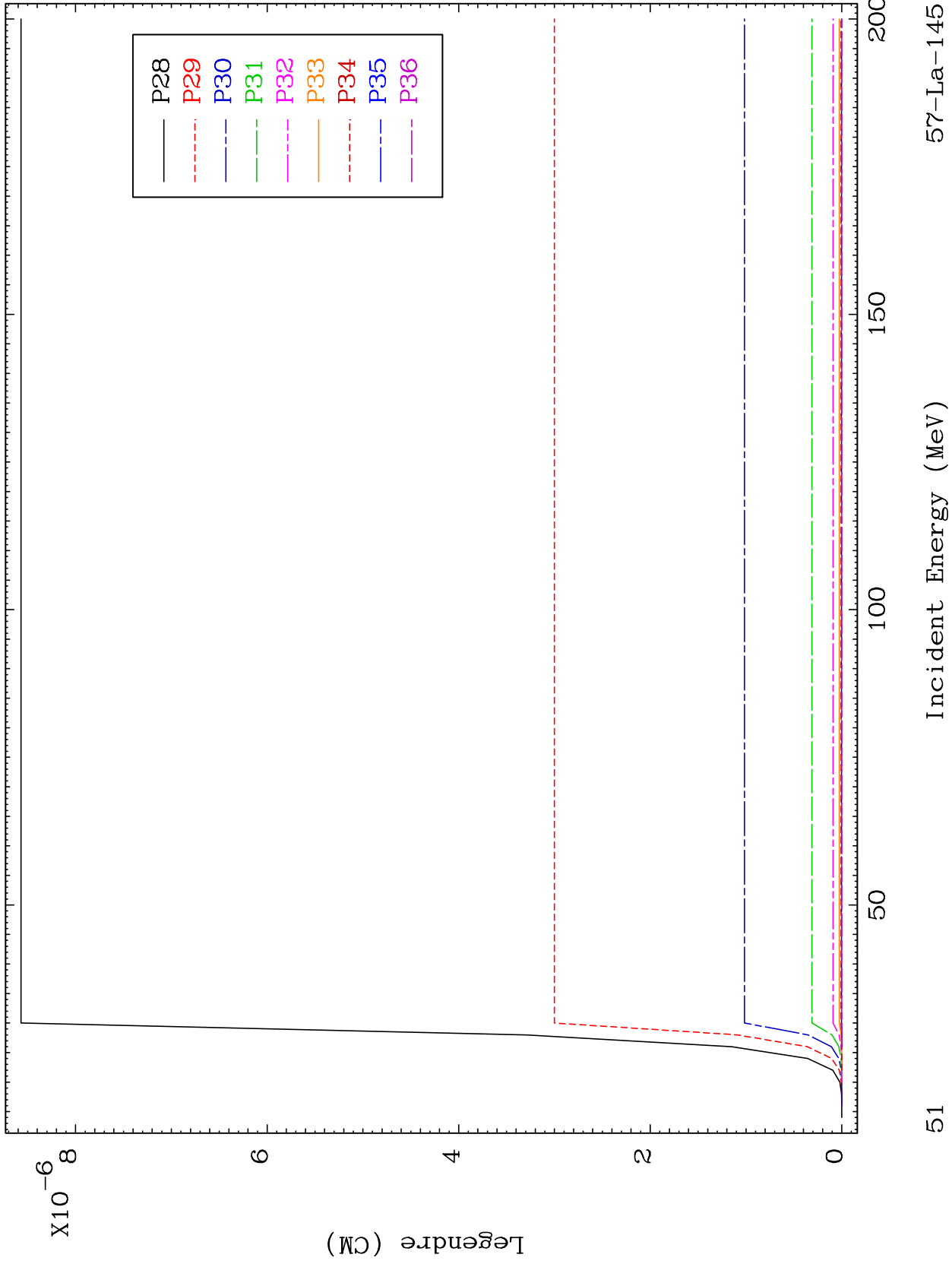
Incident Energy (MeV)

50

MAT 5746

492.2 keV (n,n') Level  
Legendre Coefficients

57-La-145



51

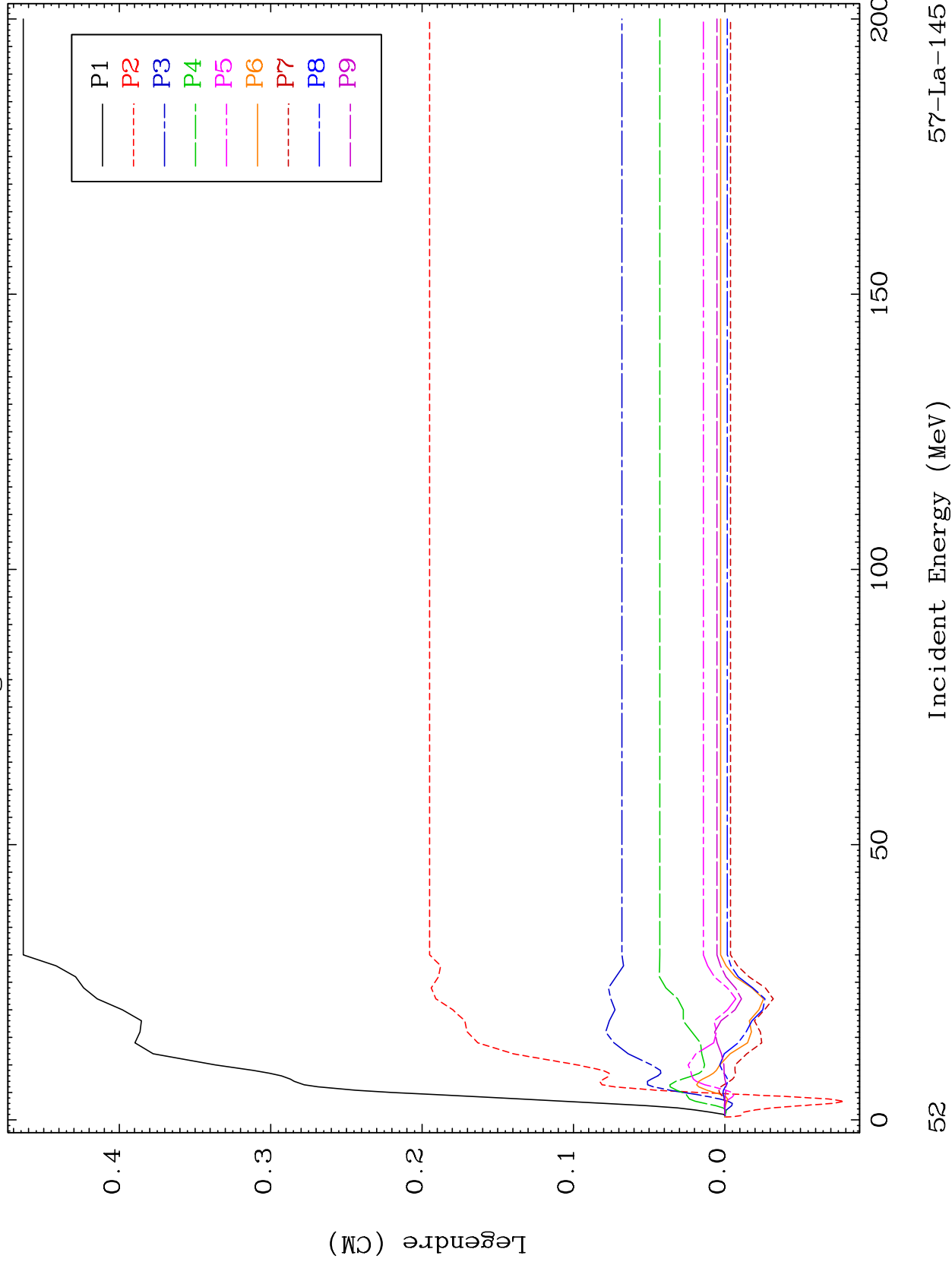
Incident Energy (MeV)

57-La-145

MAT 5746

514.2 keV (n, n') Level  
Legendre Coefficients

57-La-145



57-La-145

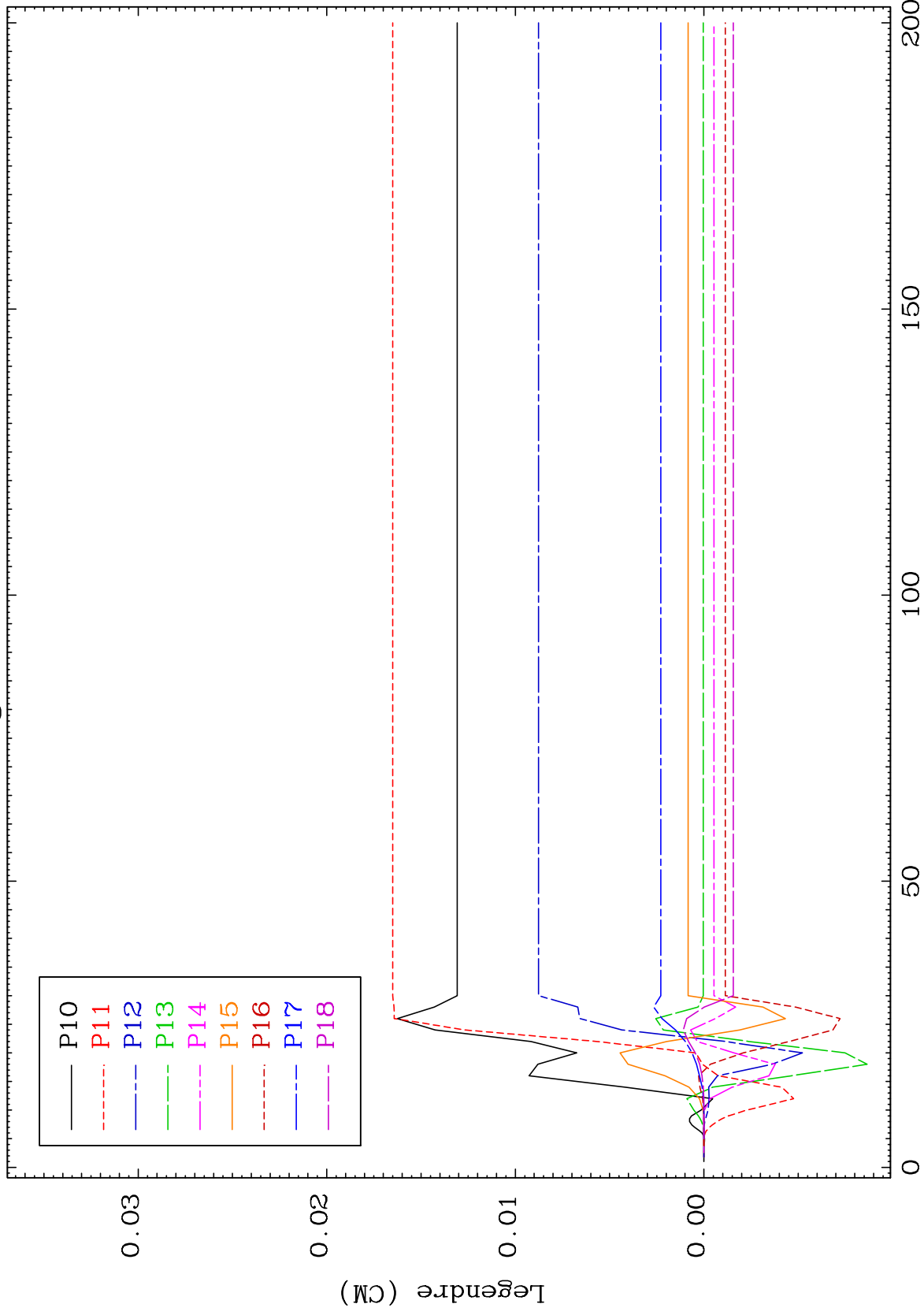
Incident Energy (MeV)

52

MAT 5746

514.2 keV (n, n') Level  
Legendre Coefficients

57-La-145



53

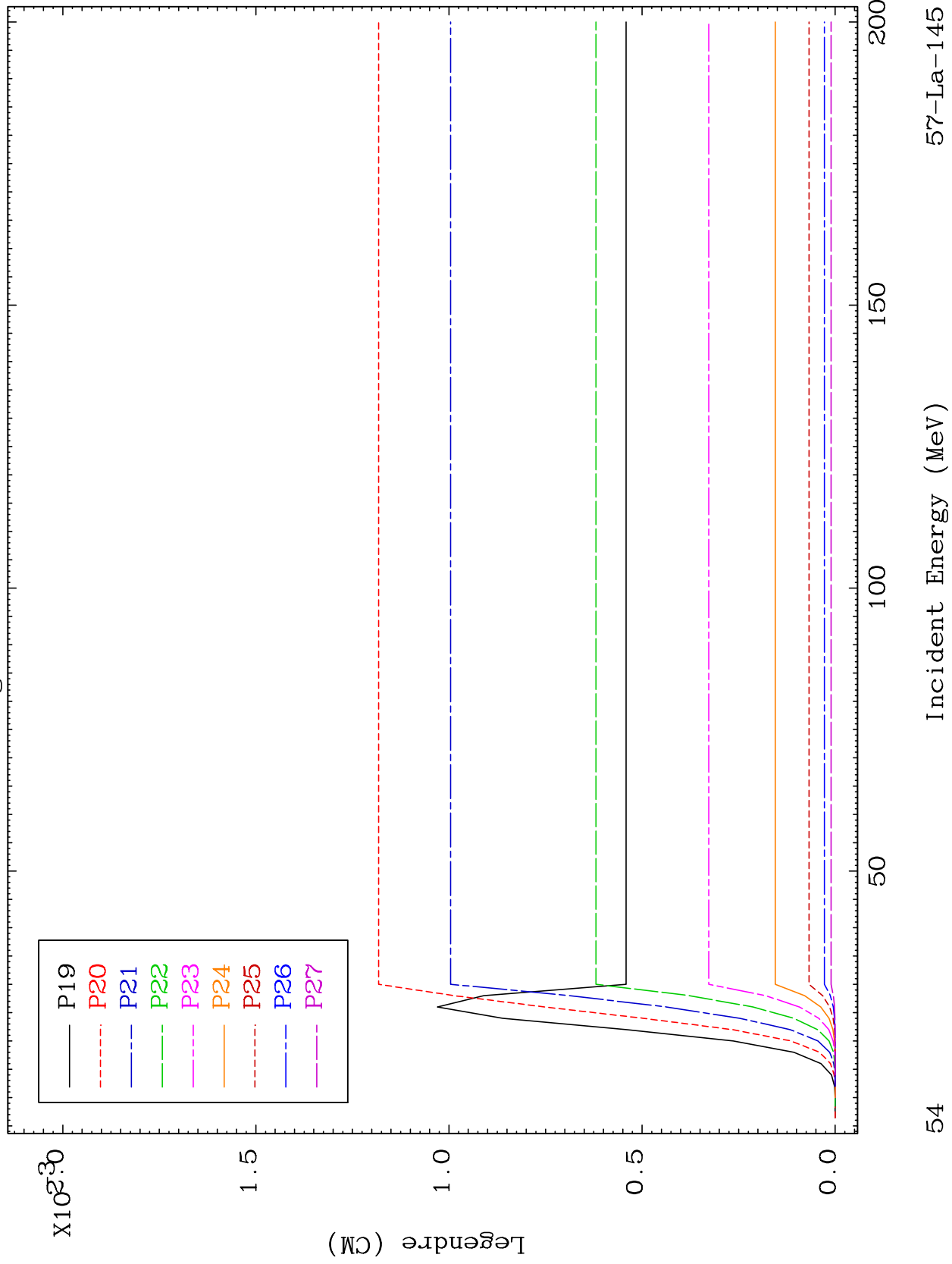
Incident Energy (MeV)

57-La-145

MAT 5746

514.2 keV (n, n') Level  
Legendre Coefficients

57-La-145



54

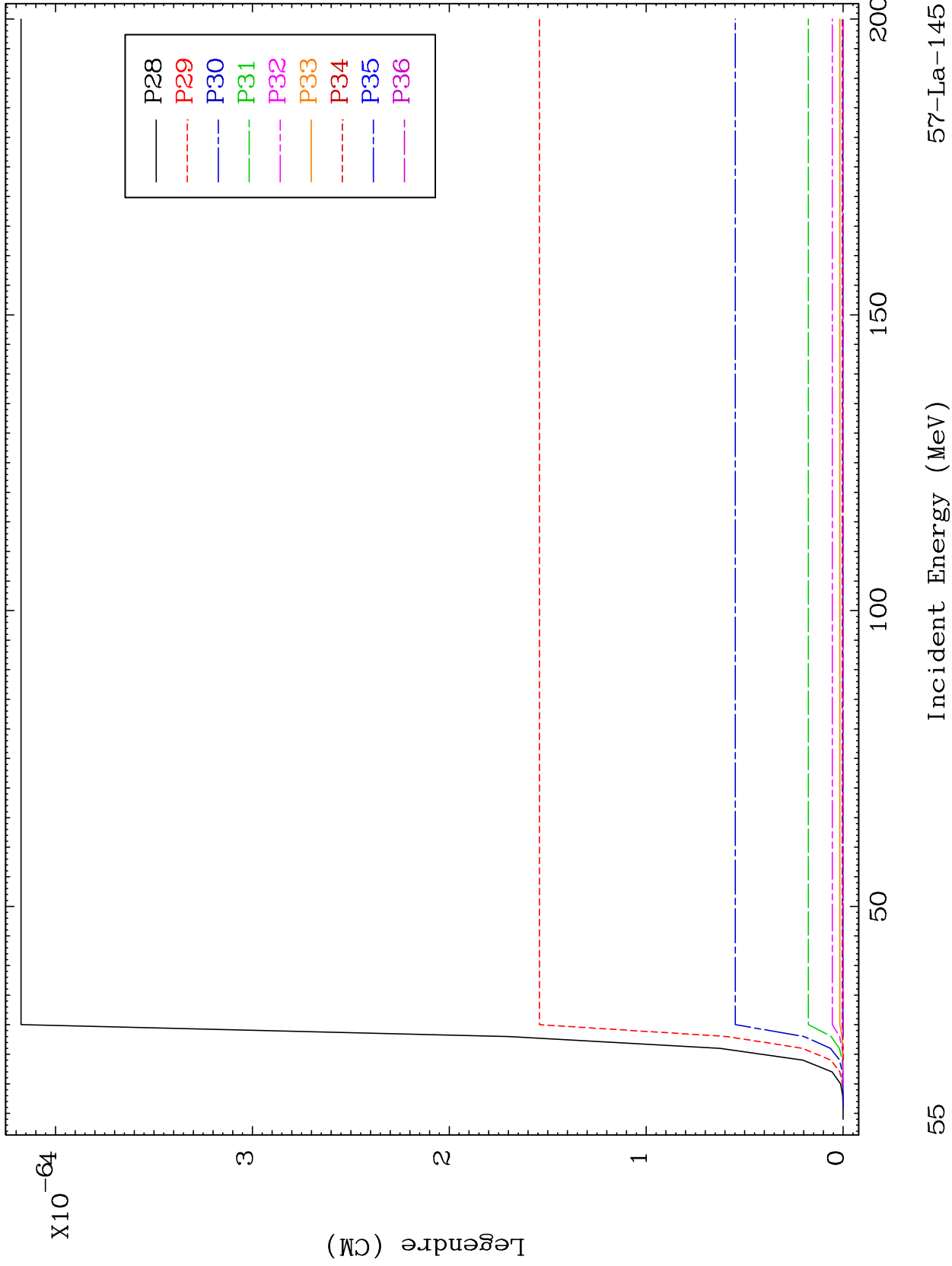
Incident Energy (MeV)

57-La-145

MAT 5746

514.2 keV (n,n') Level  
Legendre Coefficients

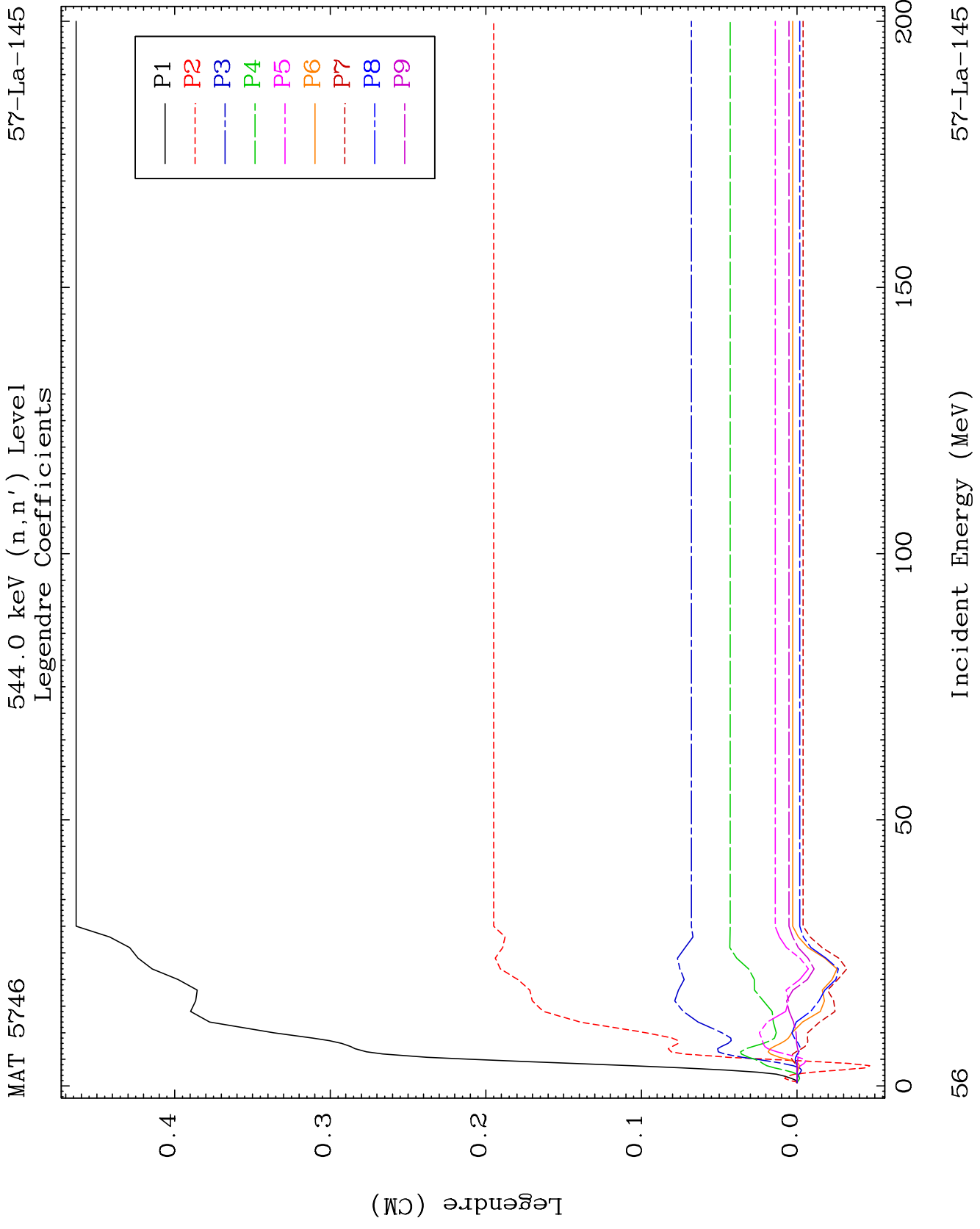
57-La-145



57-La-145

55

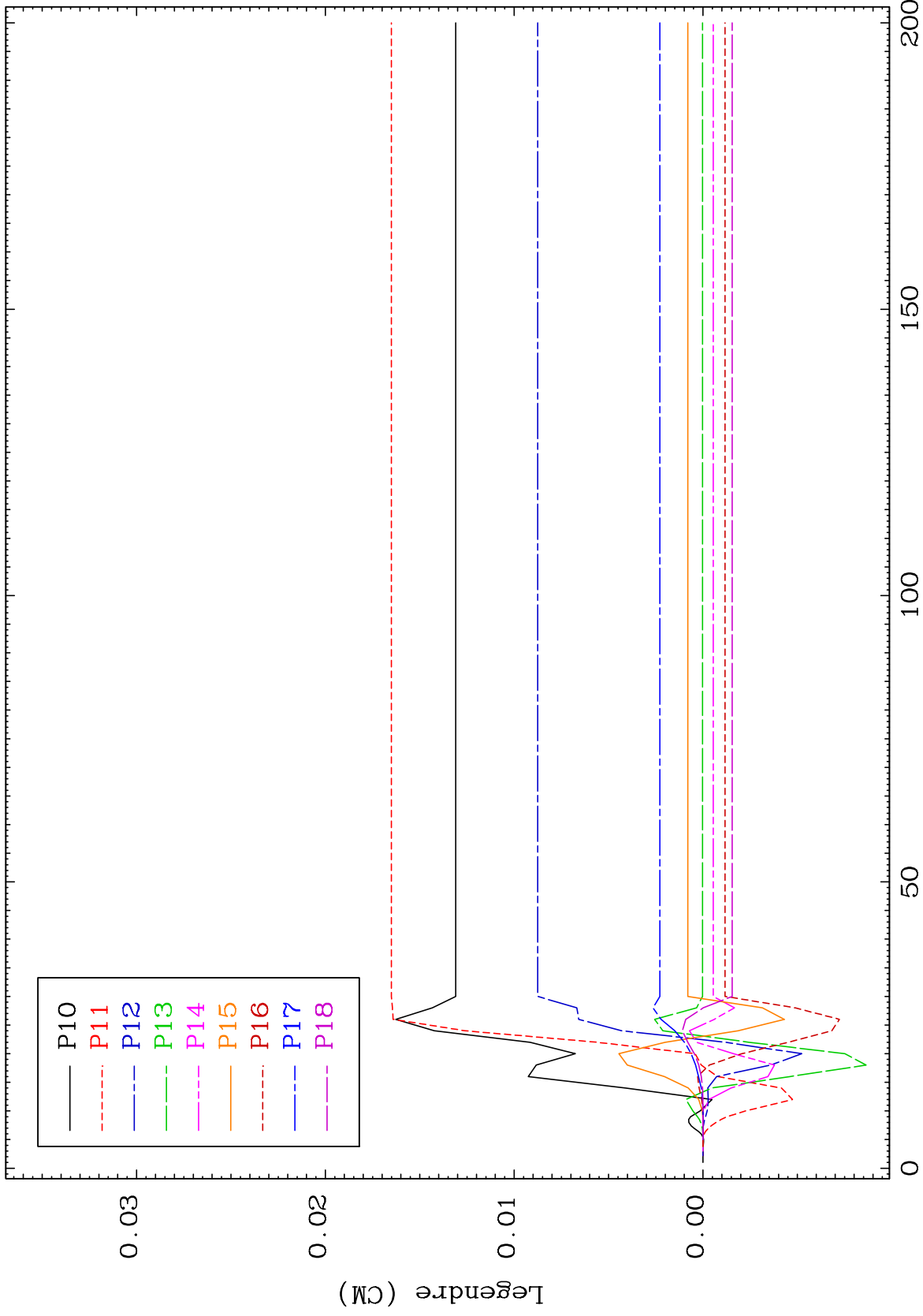




MAT 5746

544.0 keV (n,n') Level  
Legendre Coefficients

57-La-145



57

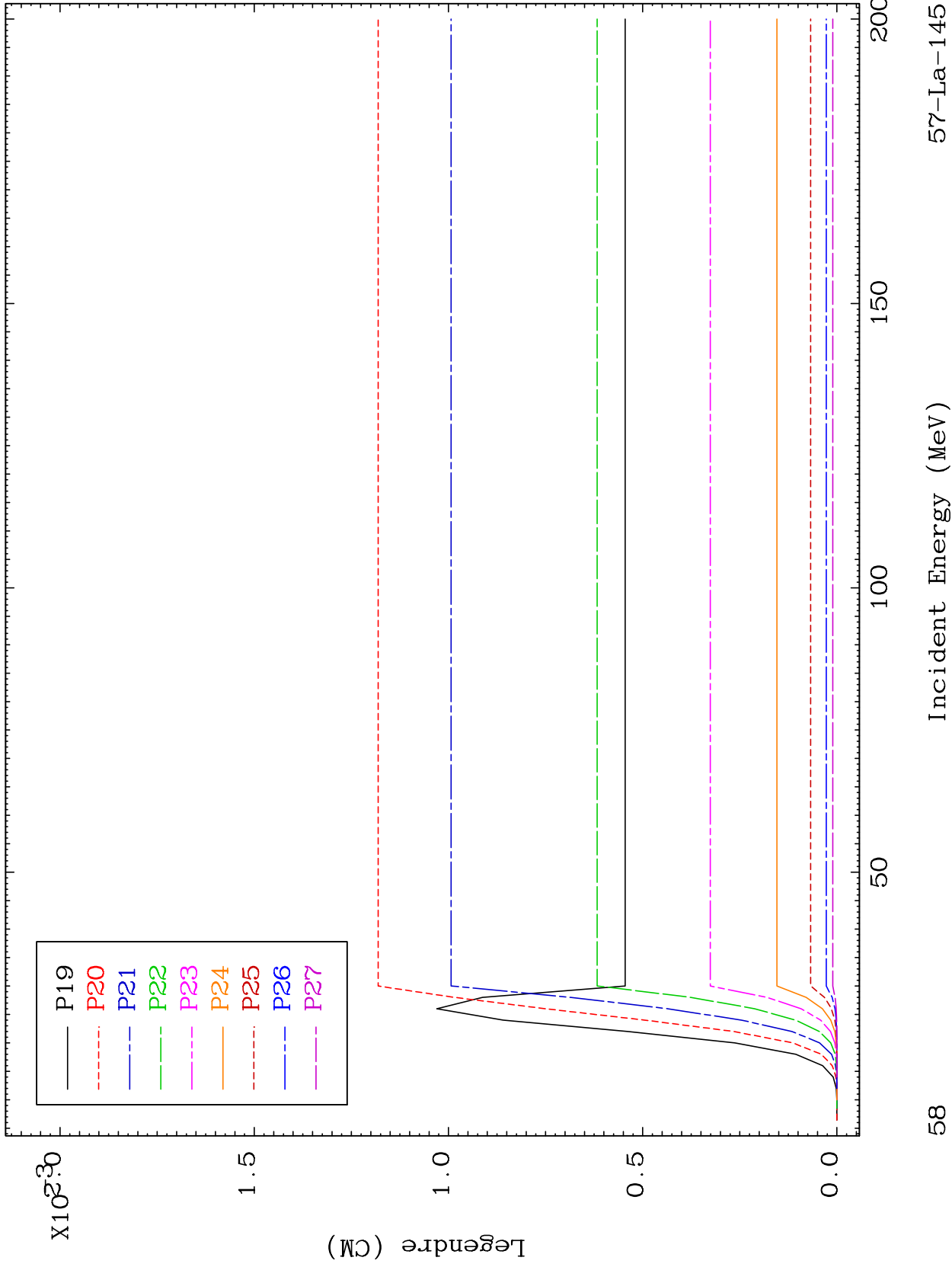
Incident Energy (MeV)

57-La-145

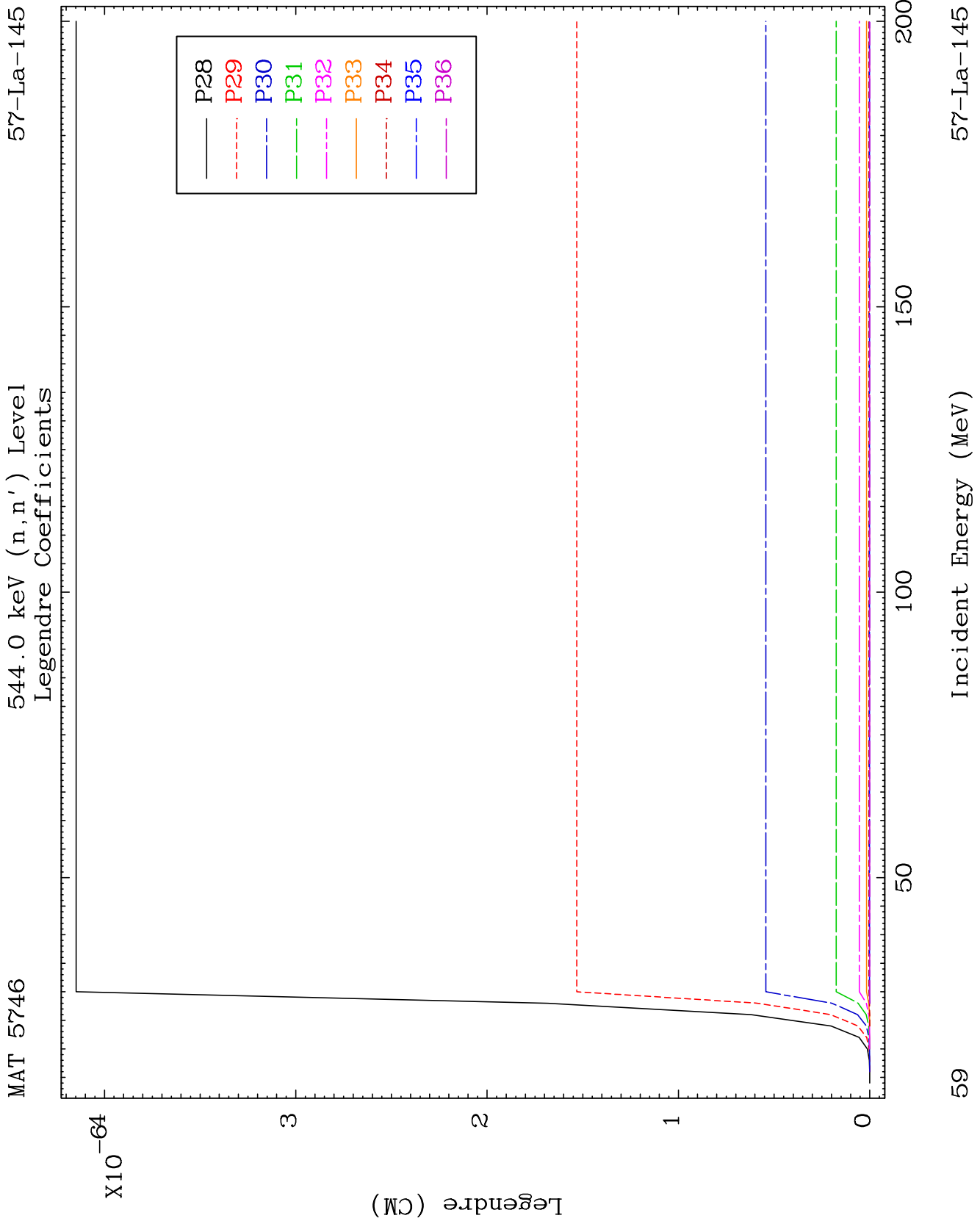
MAT 5746

544.0 keV (n,n') Level  
Legendre Coefficients

57-La-145



58

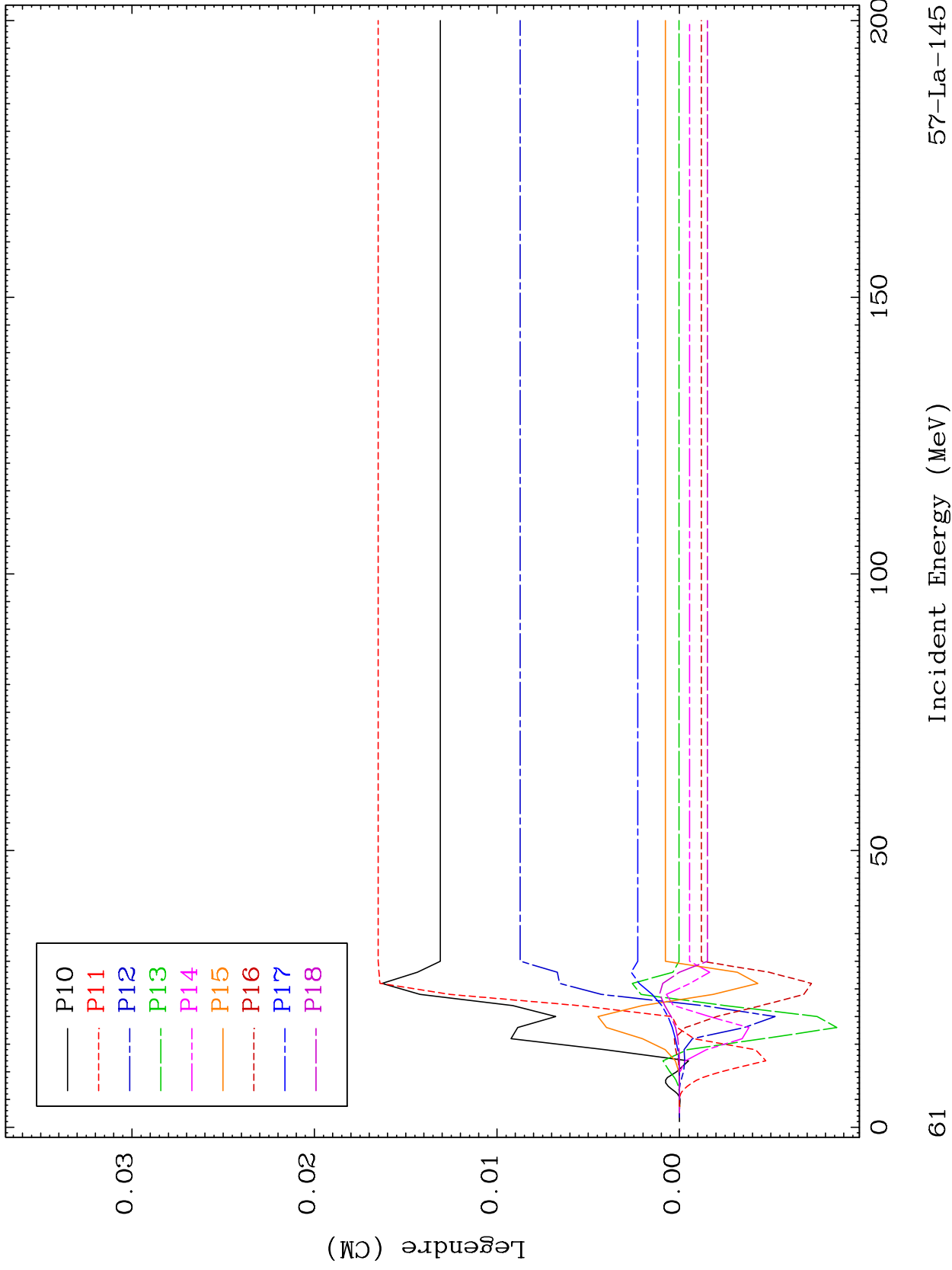




MAT 5746

572.4 keV (n,n') Level  
Legendre Coefficients

57-La-145



57-La-145

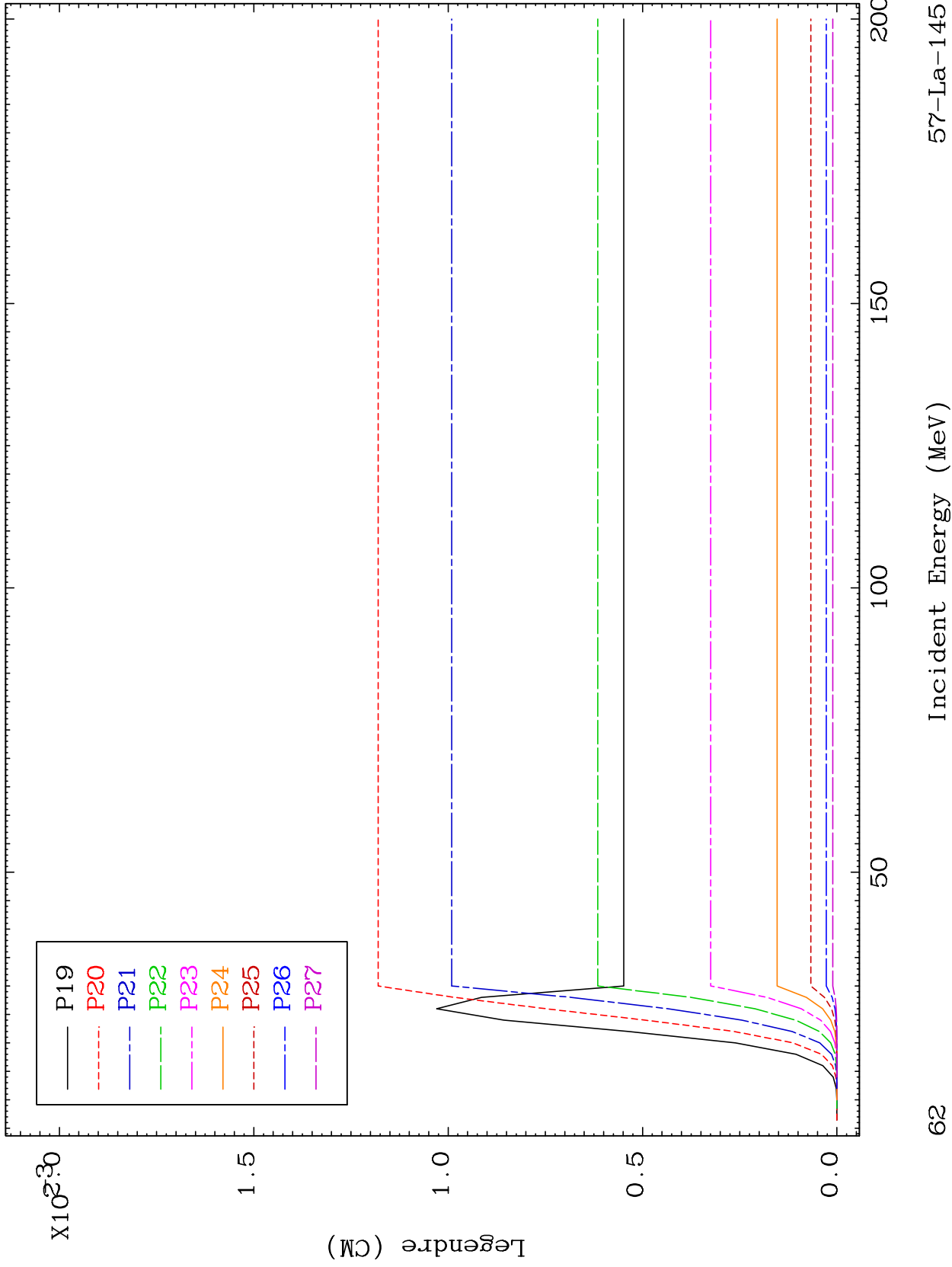
Incident Energy (MeV)

61

MAT 5746

572.4 keV (n,n') Level  
Legendre Coefficients

57-La-145



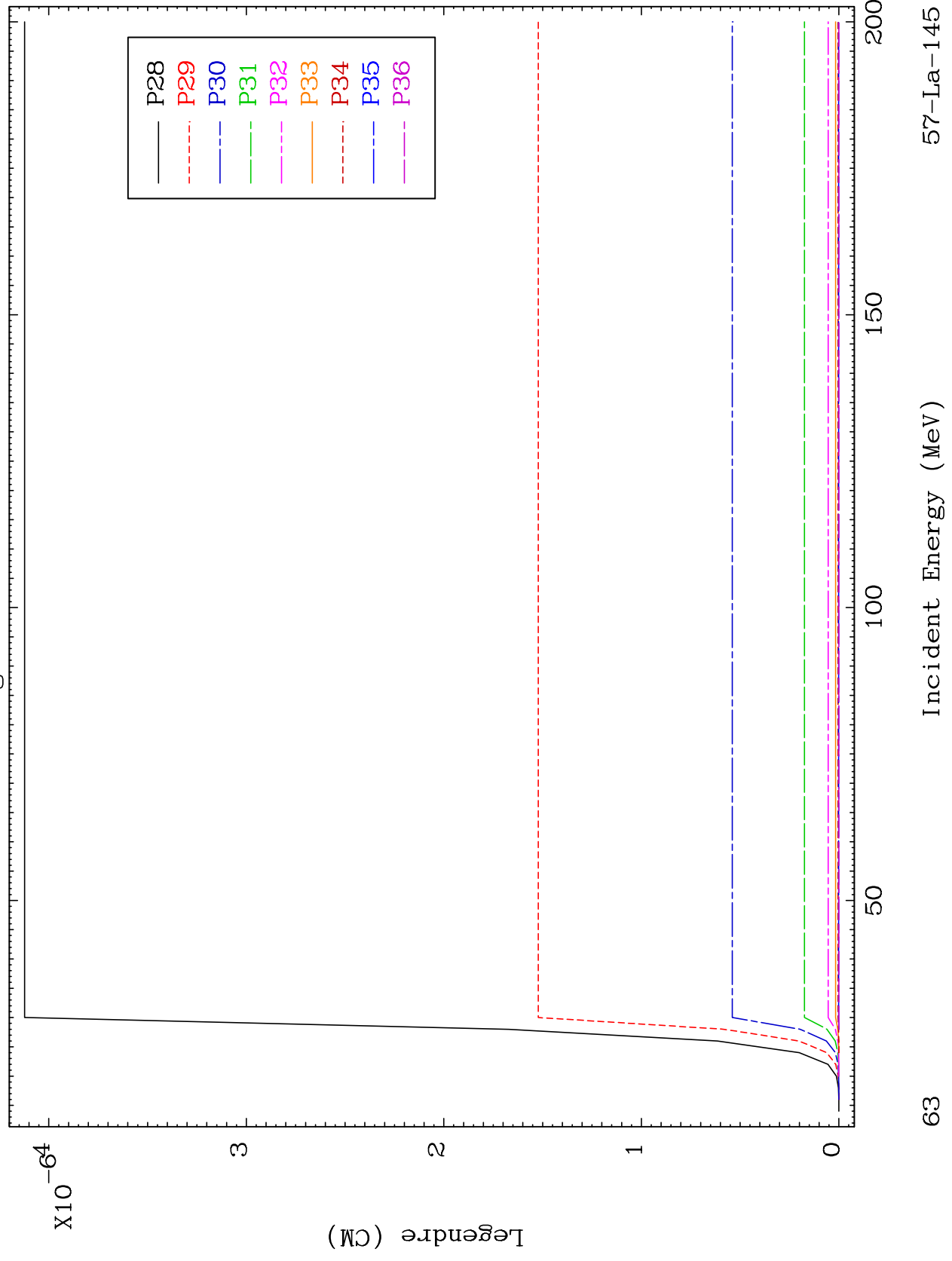
62

57-La-145

MAT 5746

572.4 keV (n,n') Level  
Legendre Coefficients

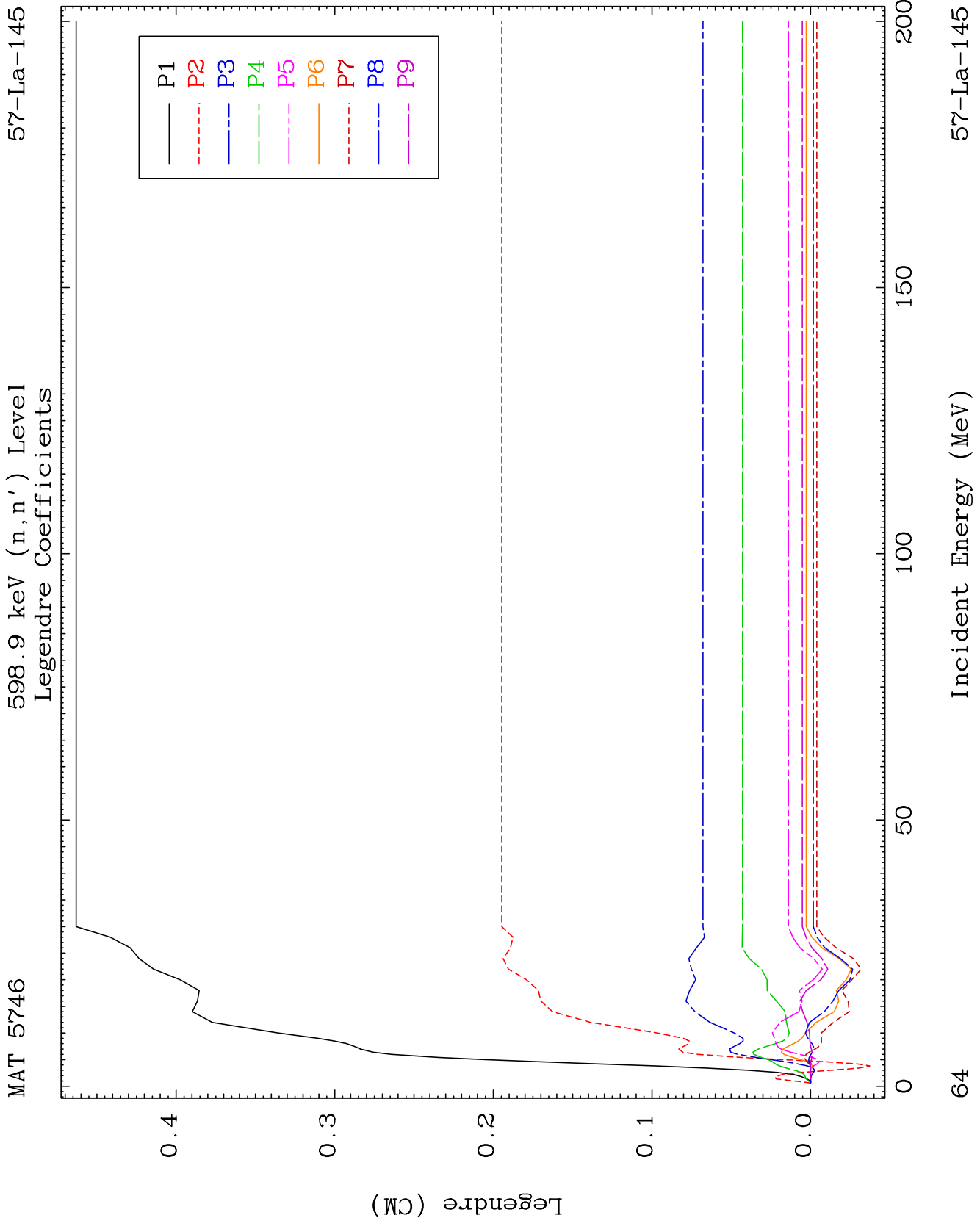
57-La-145



63

57-La-145

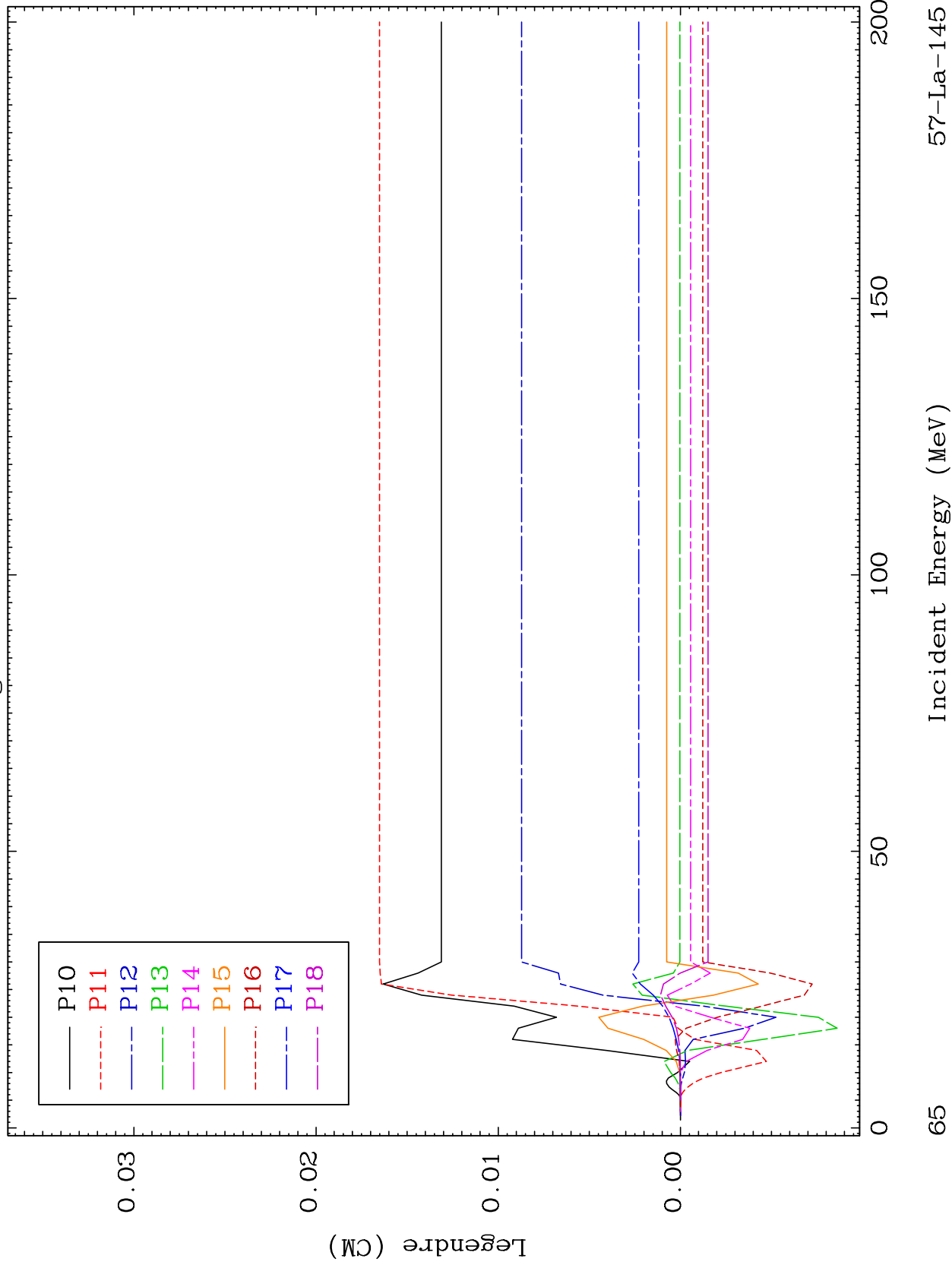




MAT 5746

598.9 keV (n,n') Level  
Legendre Coefficients

57-La-145



57-La-145

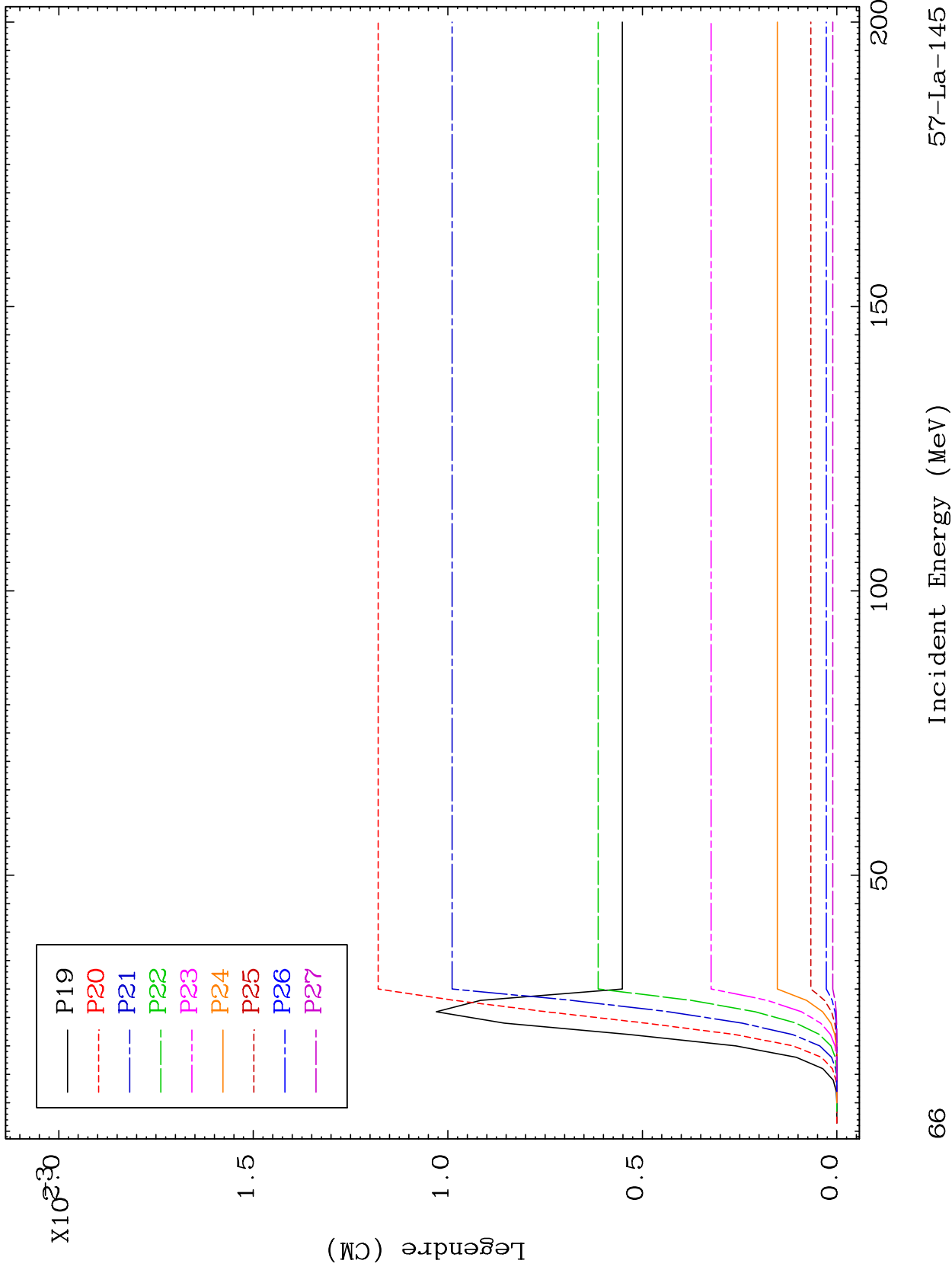
Incident Energy (MeV)

65

MAT 5746

598.9 keV (n, n') Level  
Legendre Coefficients

57-La-145



66

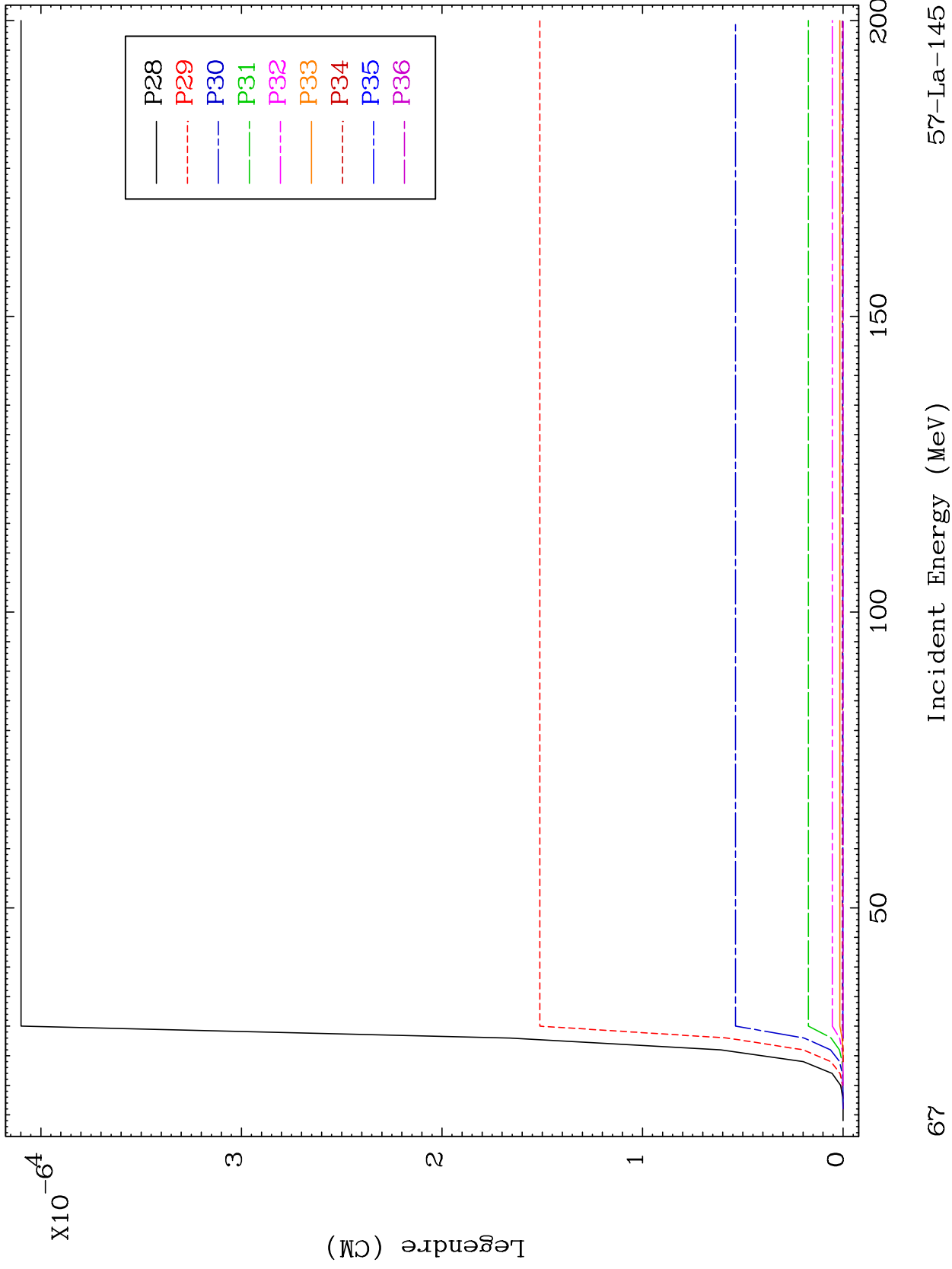
Incident Energy (MeV)

57-La-145

MAT 5746

598.9 keV (n,n') Level  
Legendre Coefficients

57-La-145



67

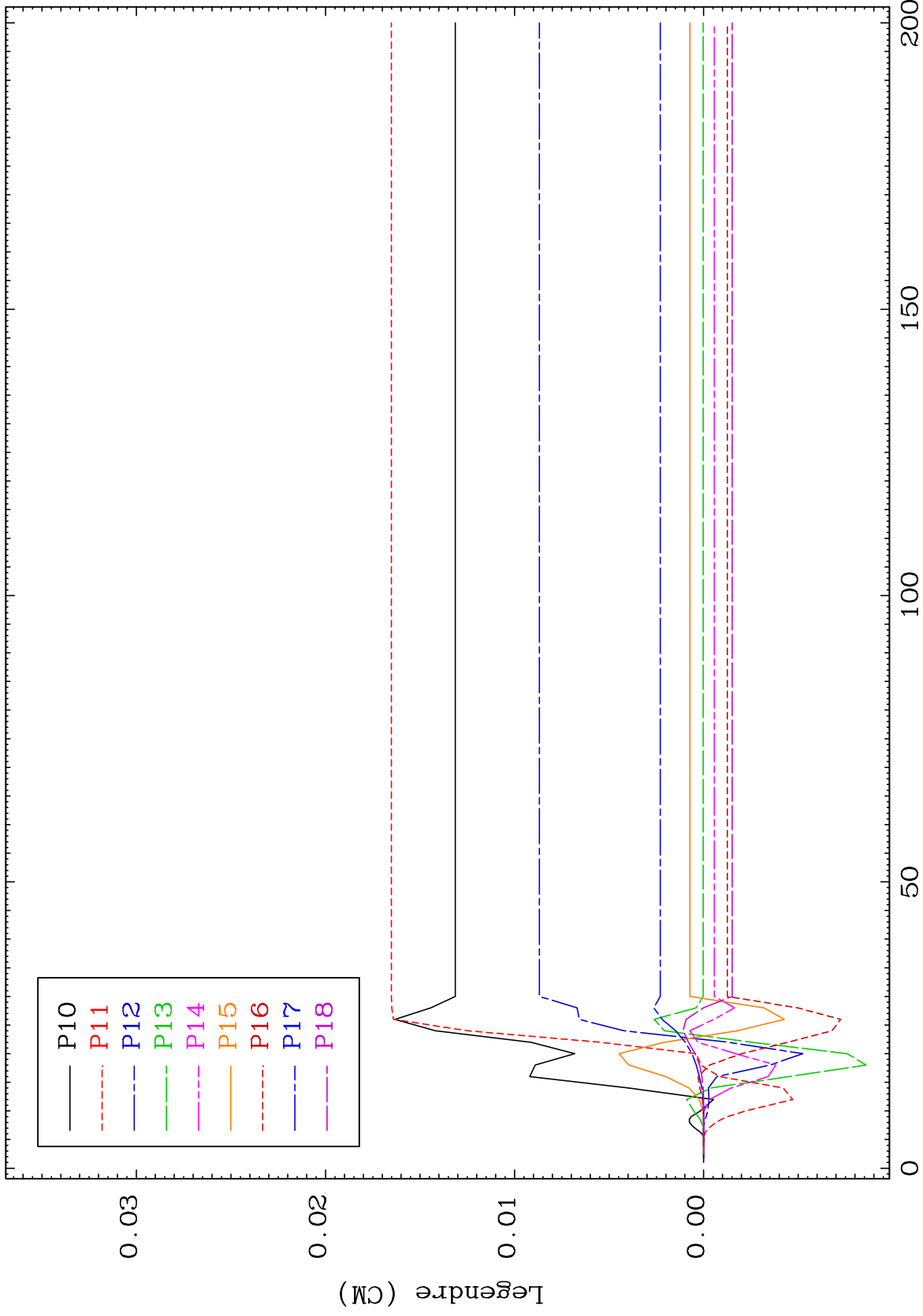
57-La-145



MAT 5746

622.2 keV (n,n') Level  
Legendre Coefficients

57-La-145



69

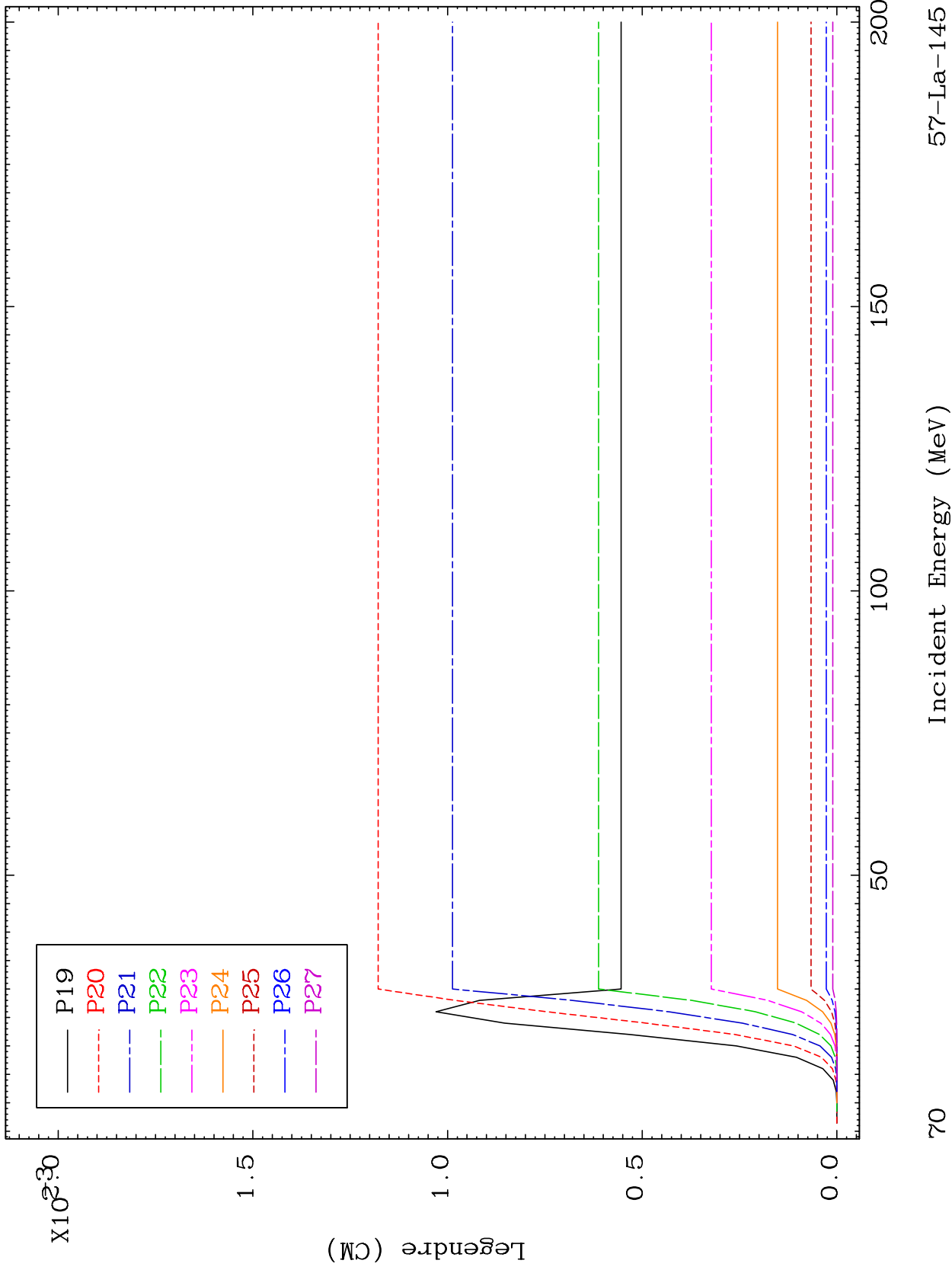
Incident Energy (MeV)

57-La-145

MAT 5746

622.2 keV (n,n') Level  
Legendre Coefficients

57-La-145



70

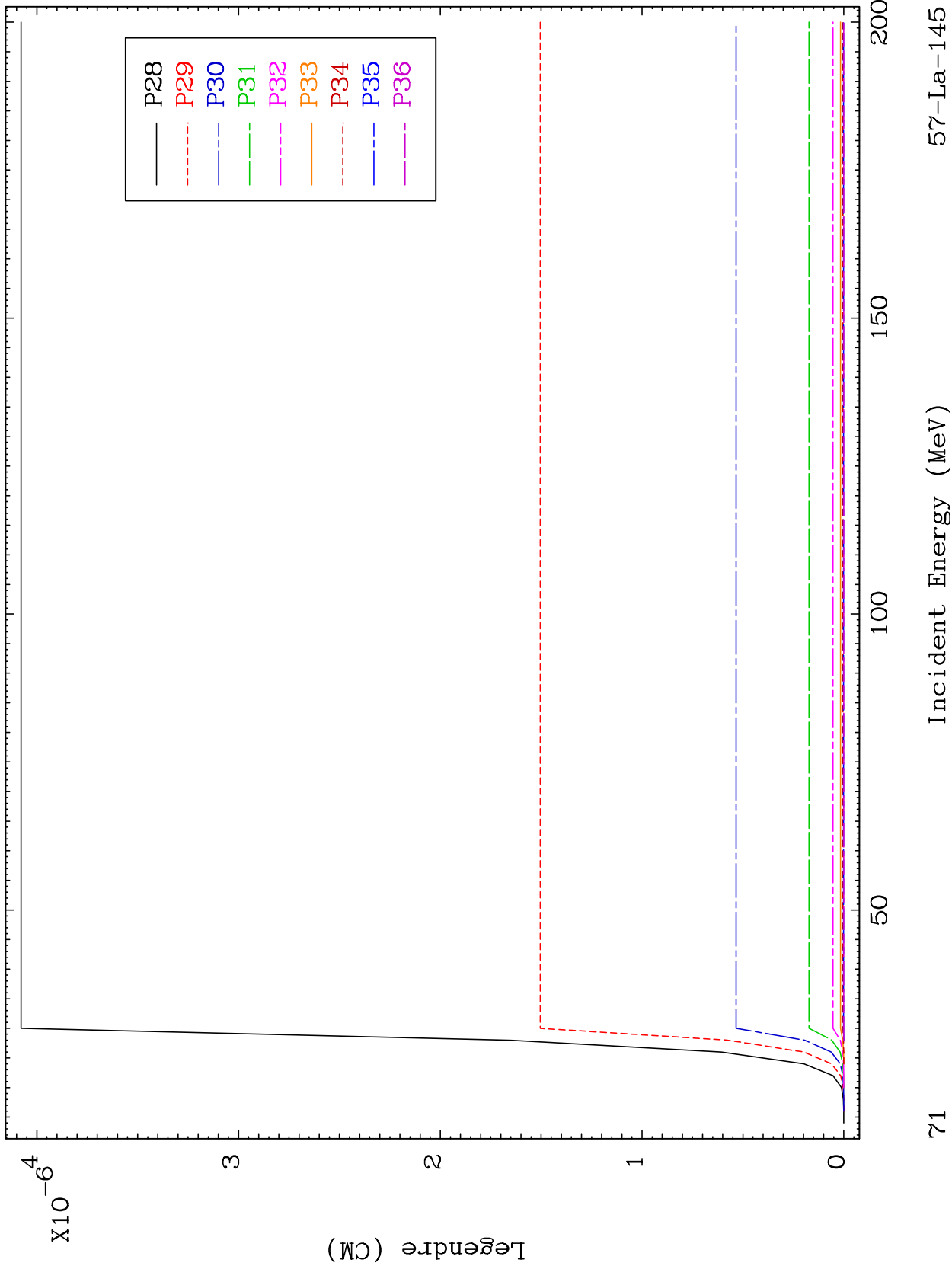
Incident Energy (MeV)

57-La-145

MAT 5746

622.2 keV (n,n') Level  
Legendre Coefficients

57-La-145



71

Incident Energy (MeV)

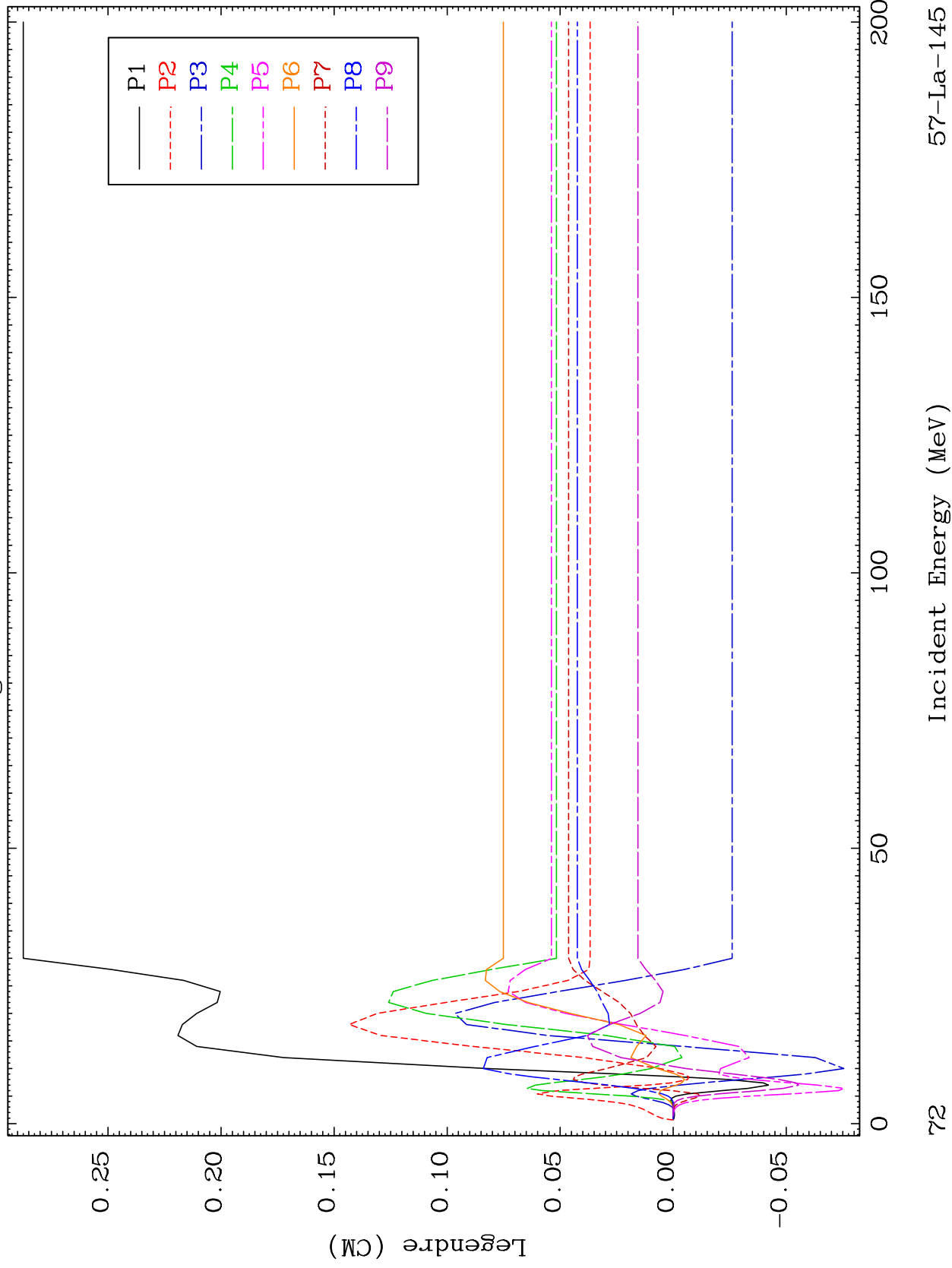
57-La-145



MAT 5746

637.5 keV (n,n') Level  
Legendre Coefficients

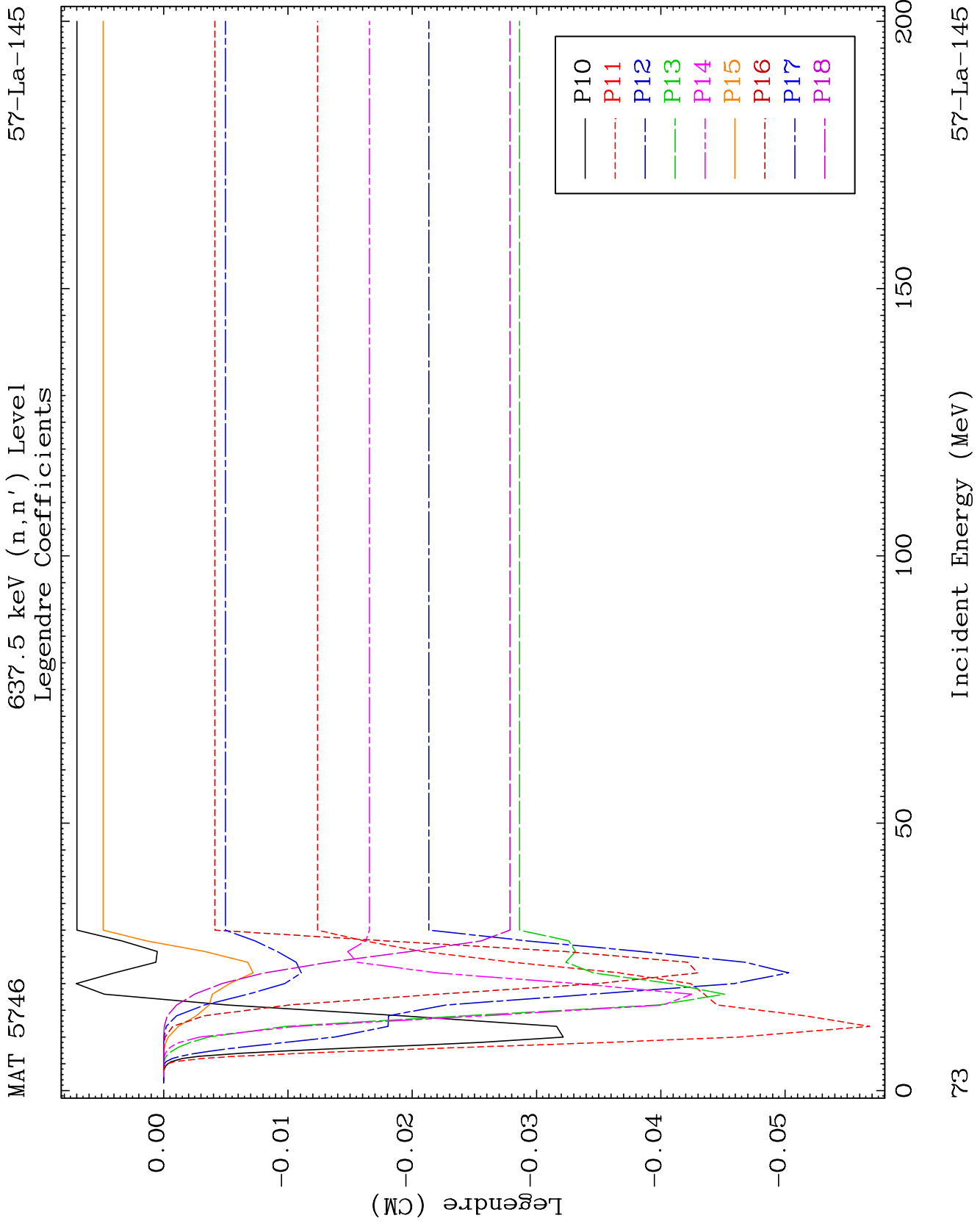
57-La-145

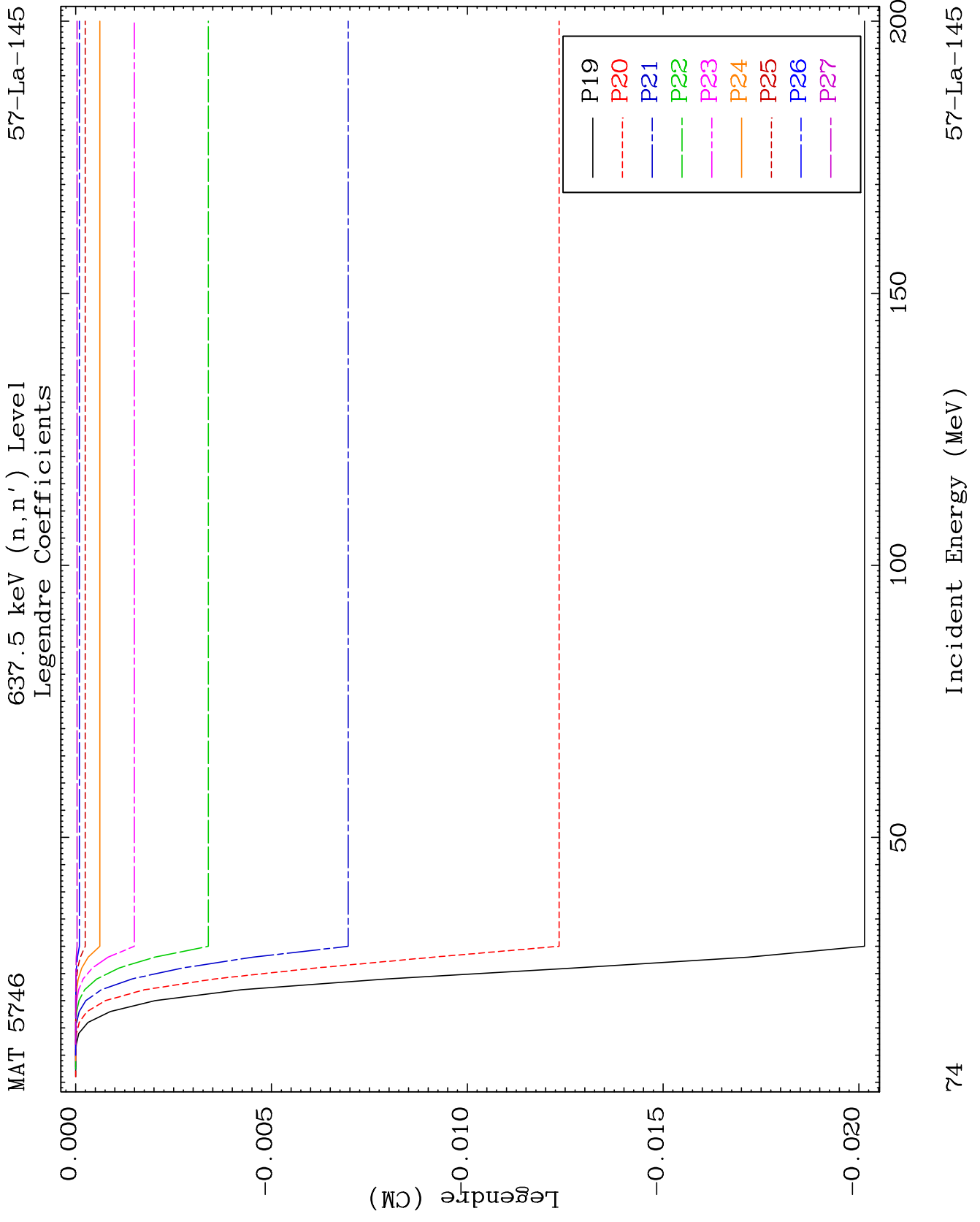


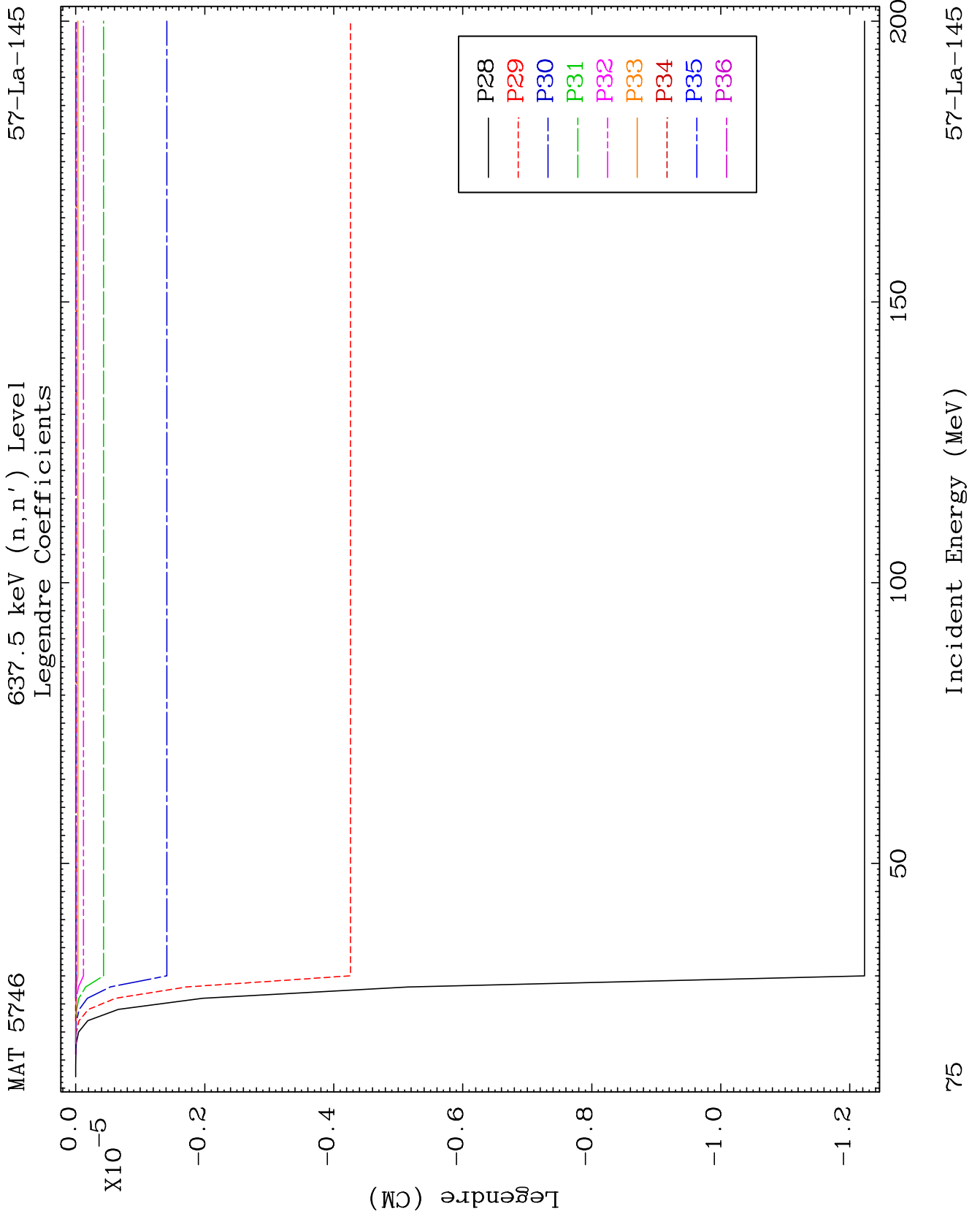
57-La-145

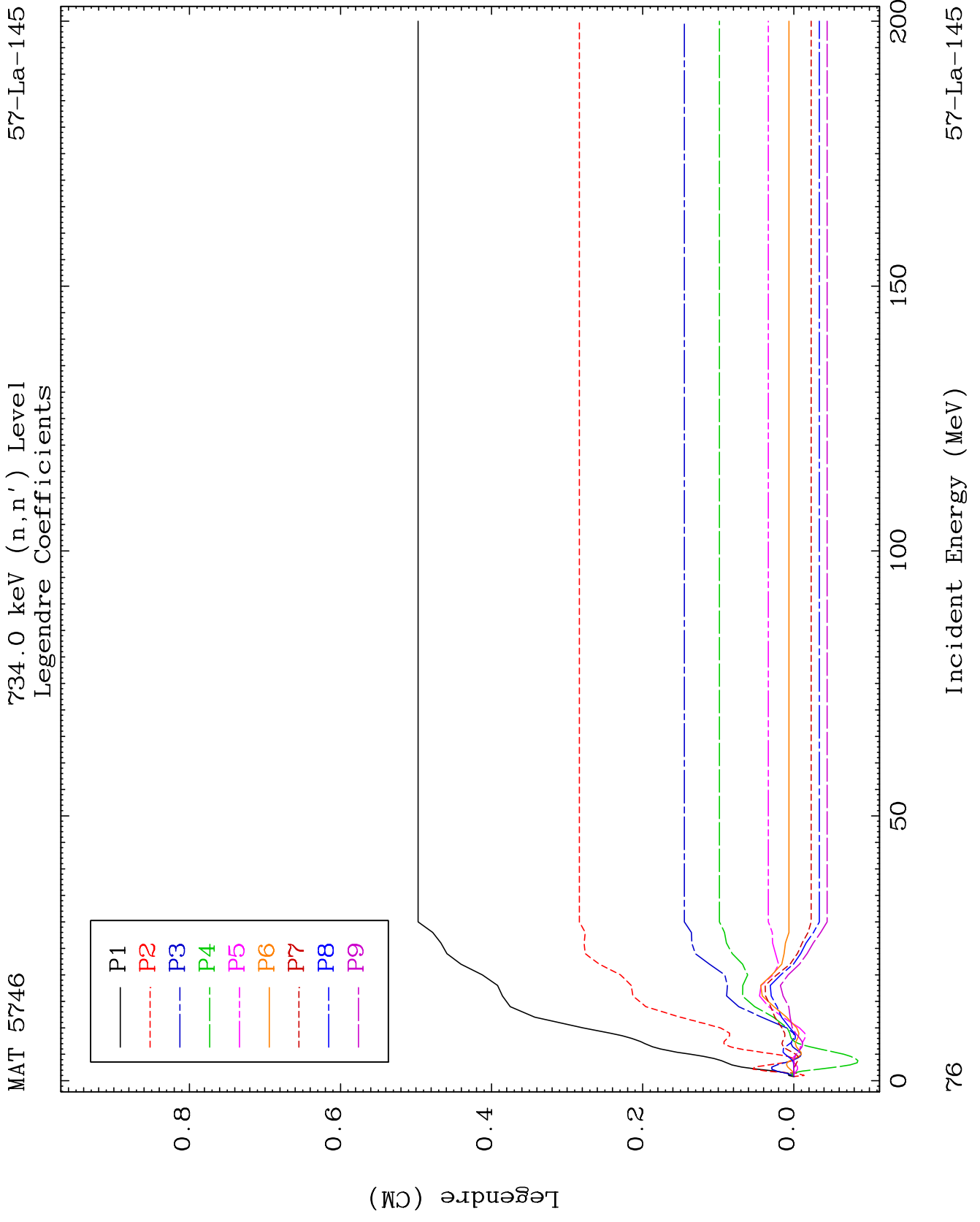
Incident Energy (MeV)

72





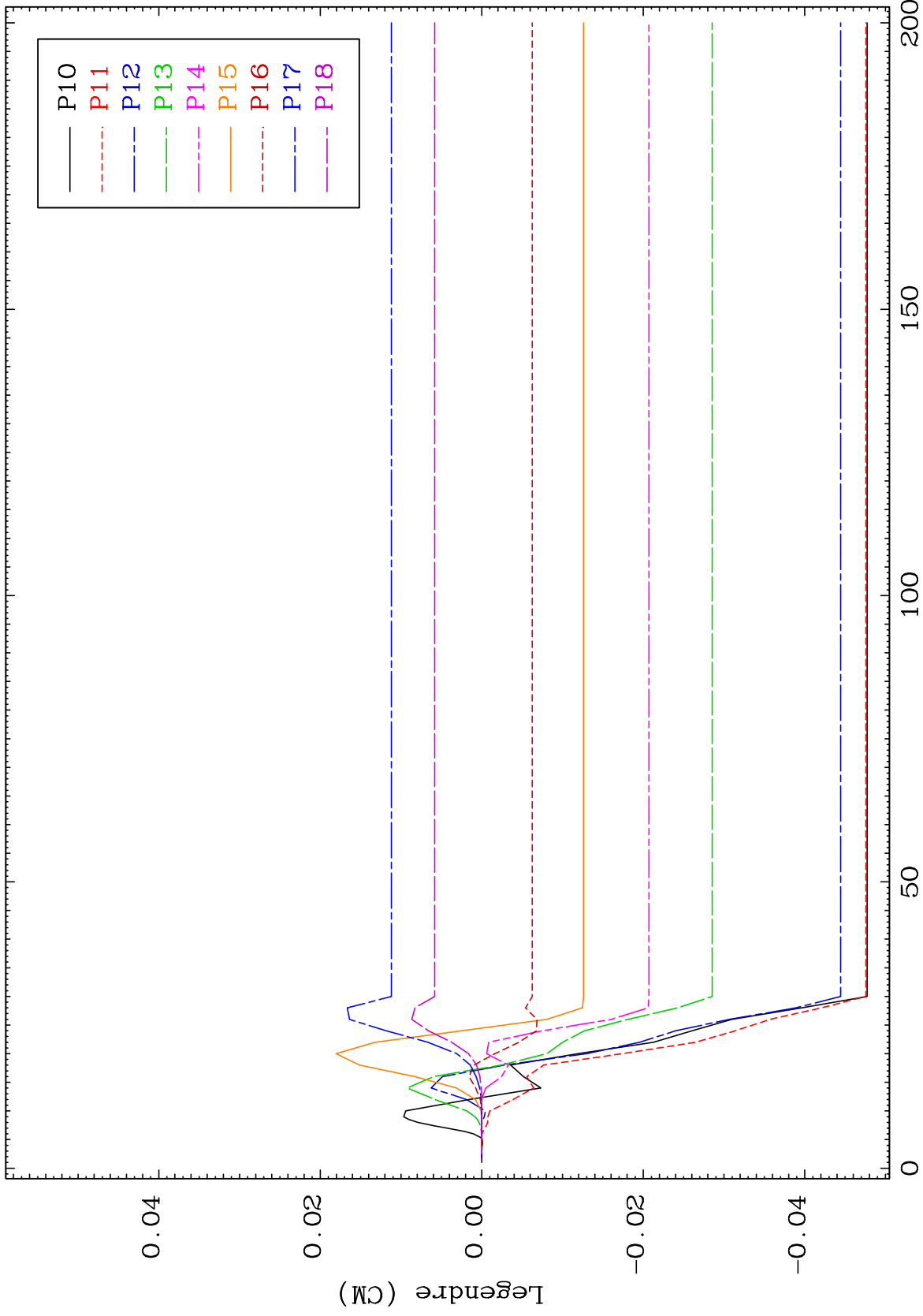




MAT 5746

734.0 keV (n,n') Level  
Legendre Coefficients

57-La-145



77

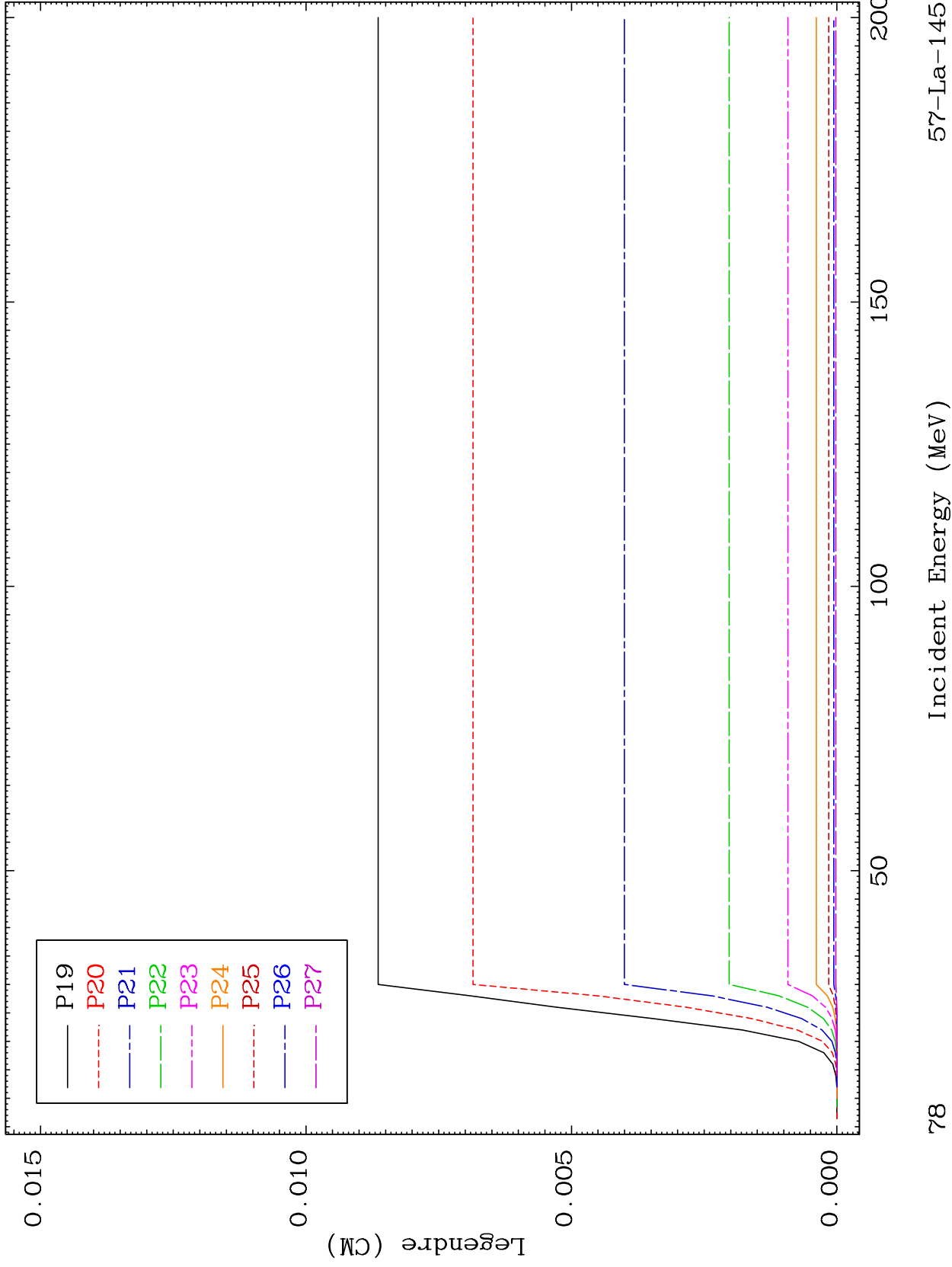
Incident Energy (MeV)

57-La-145

MAT 5746

734.0 keV (n,n') Level  
Legendre Coefficients

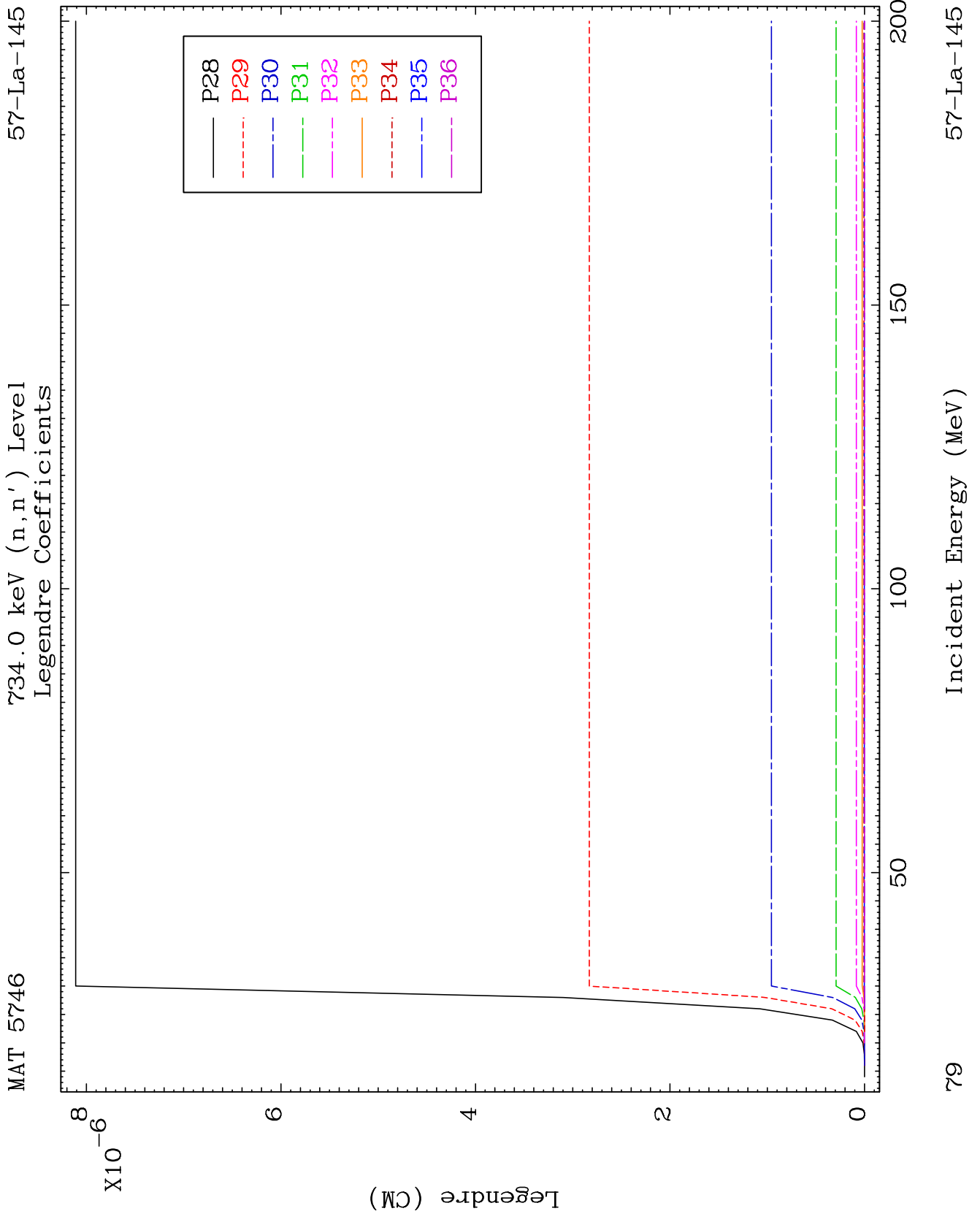
57-La-145



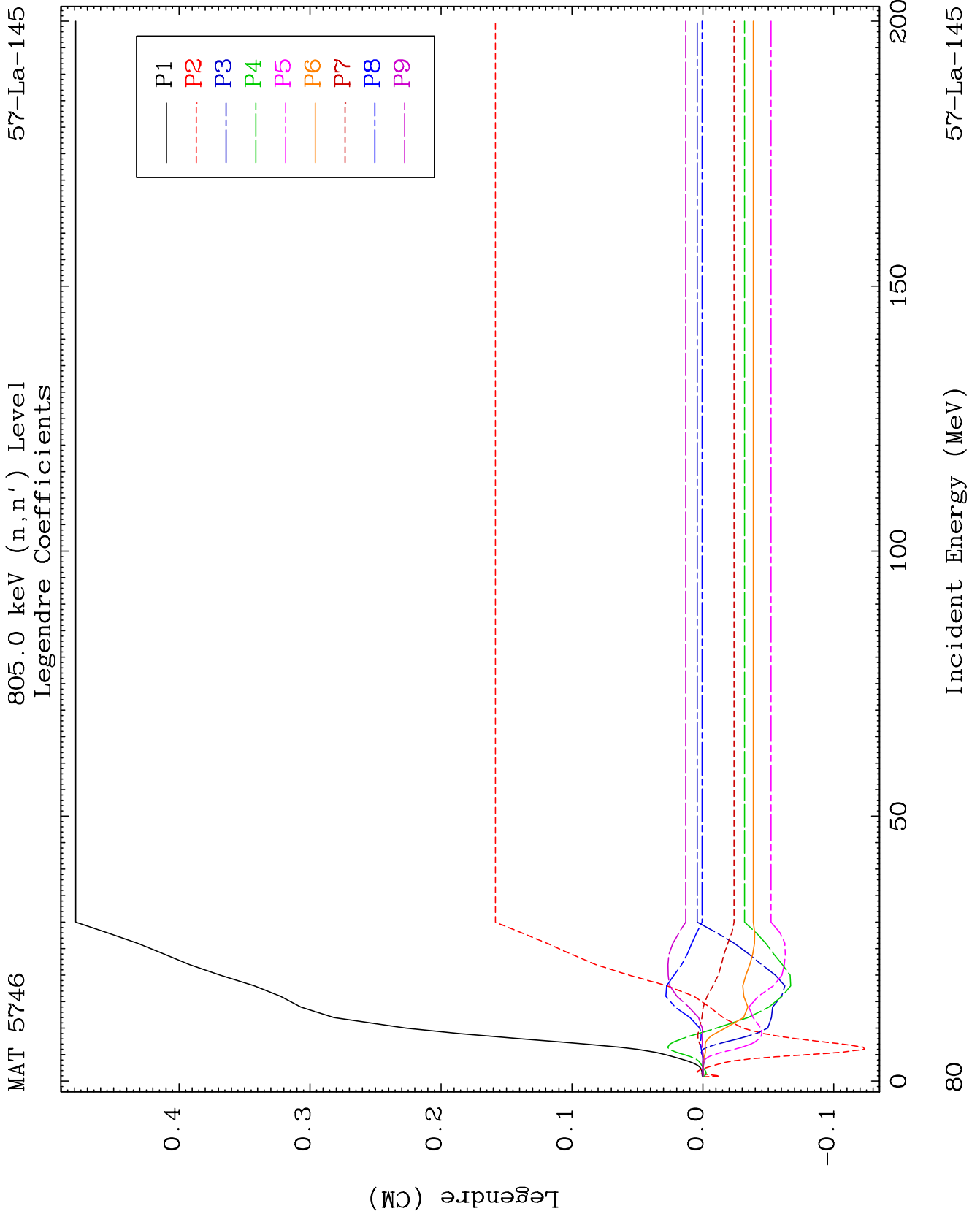
78

Incident Energy (MeV)

57-La-145





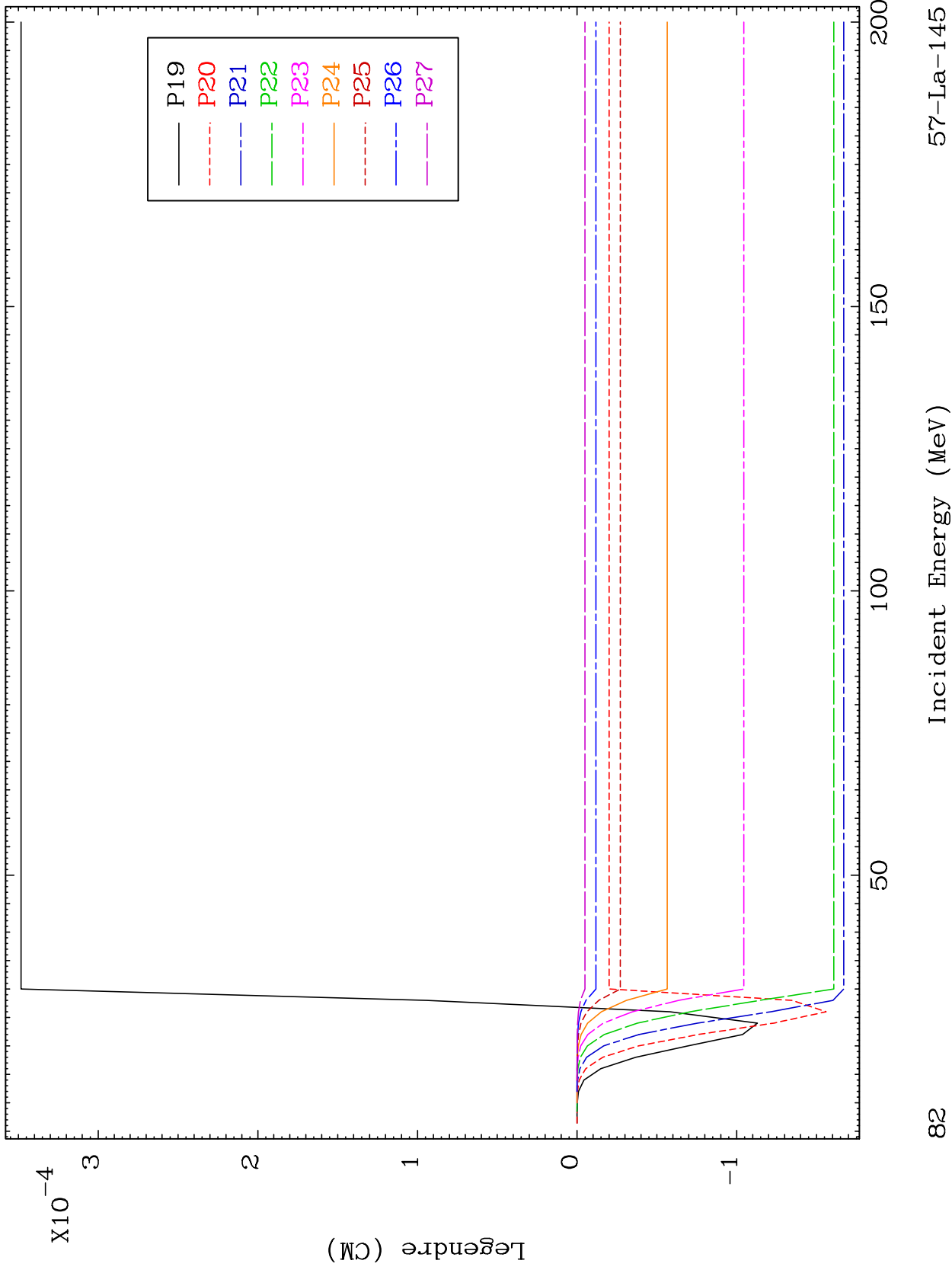




MAT 5746

805.0 keV (n,n') Level  
Legendre Coefficients

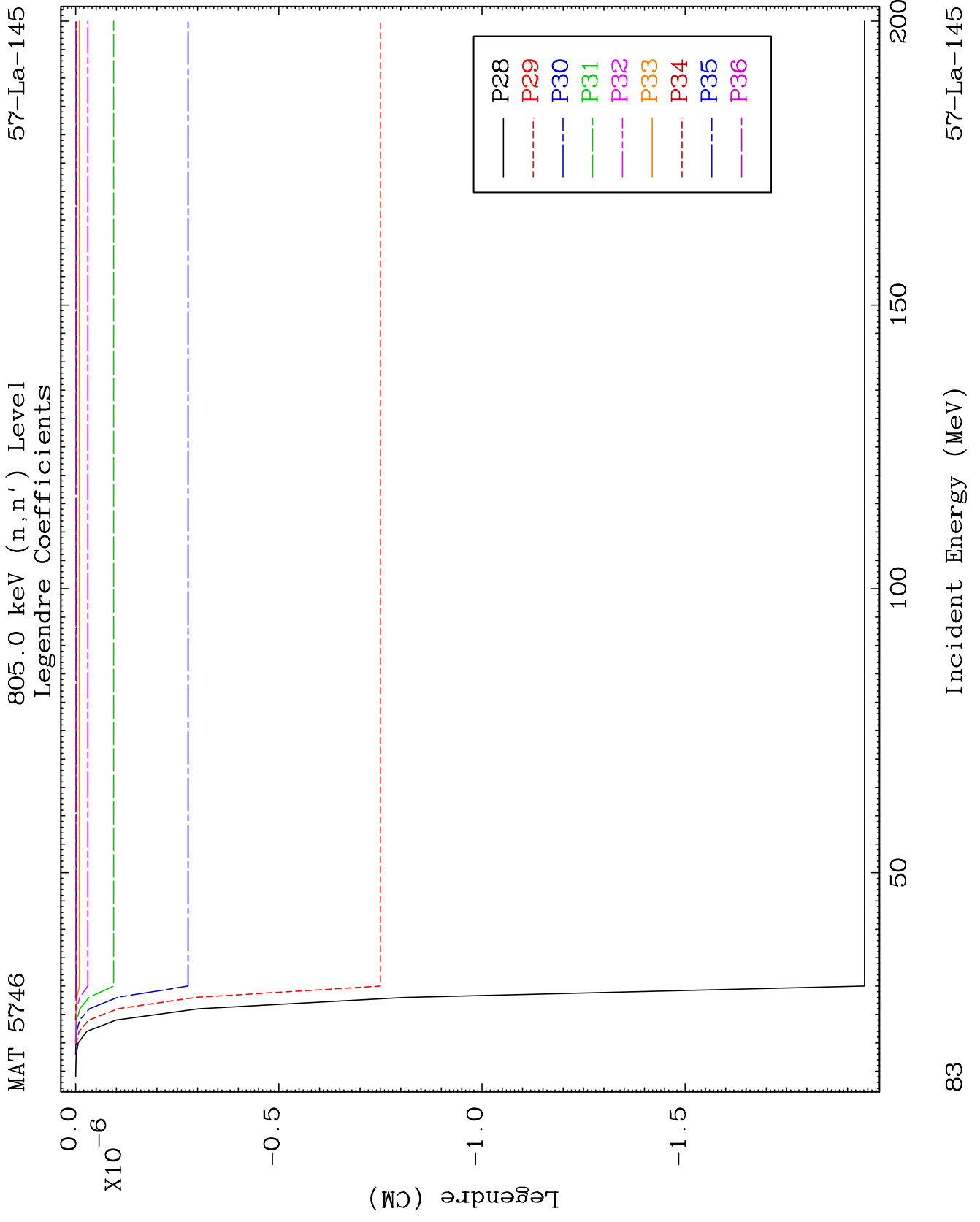
57-La-145

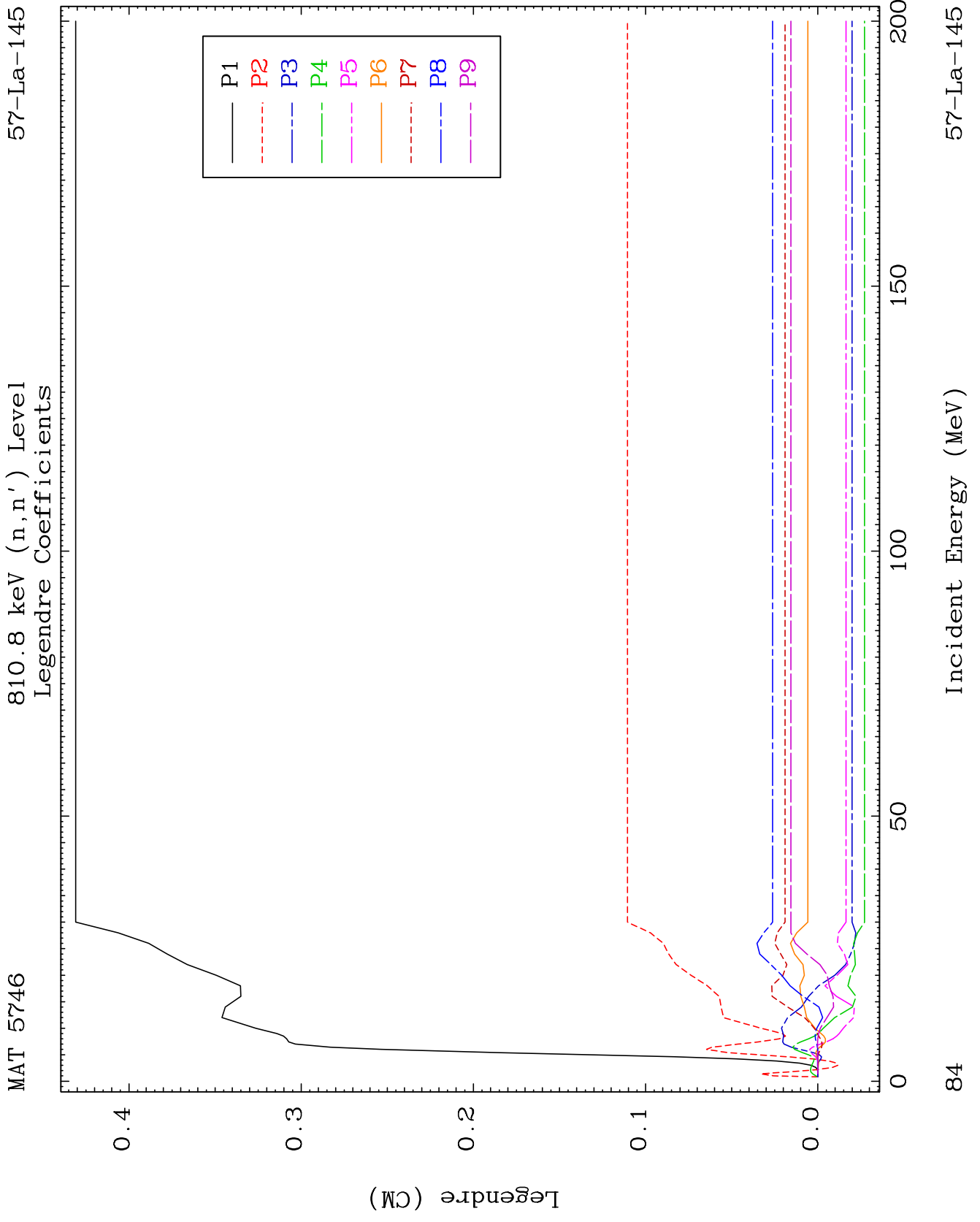


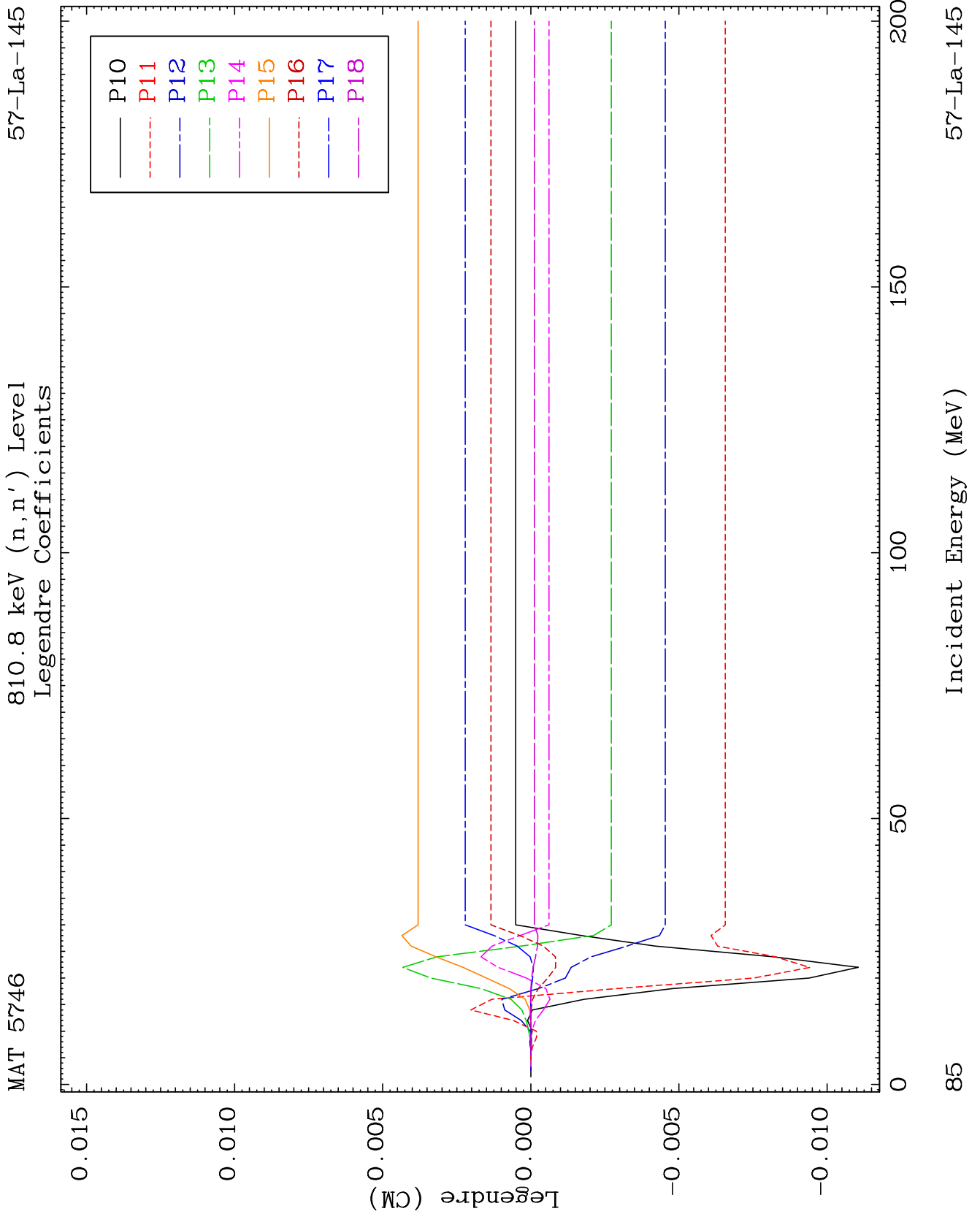
82

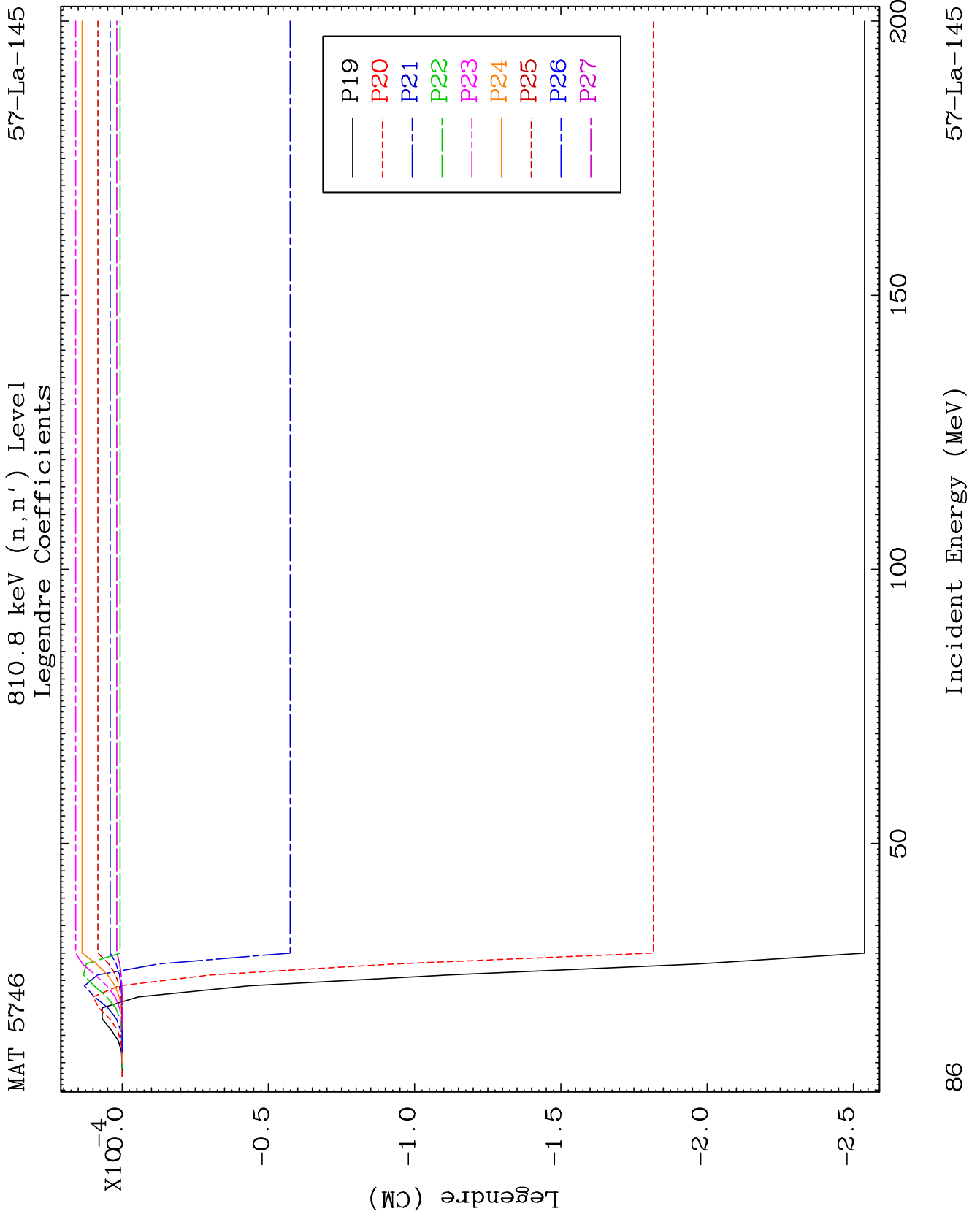
Incident Energy (MeV)

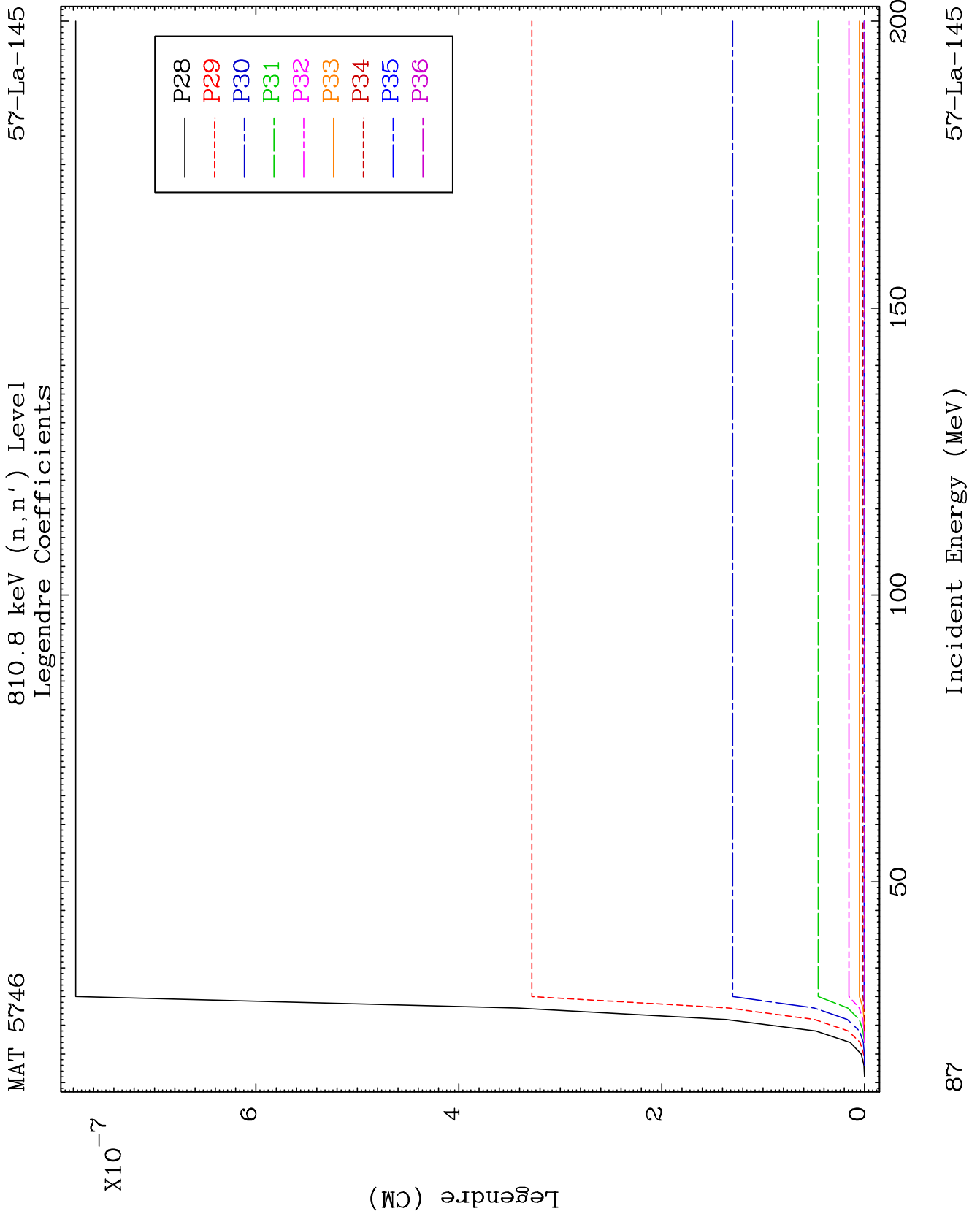
57-La-145



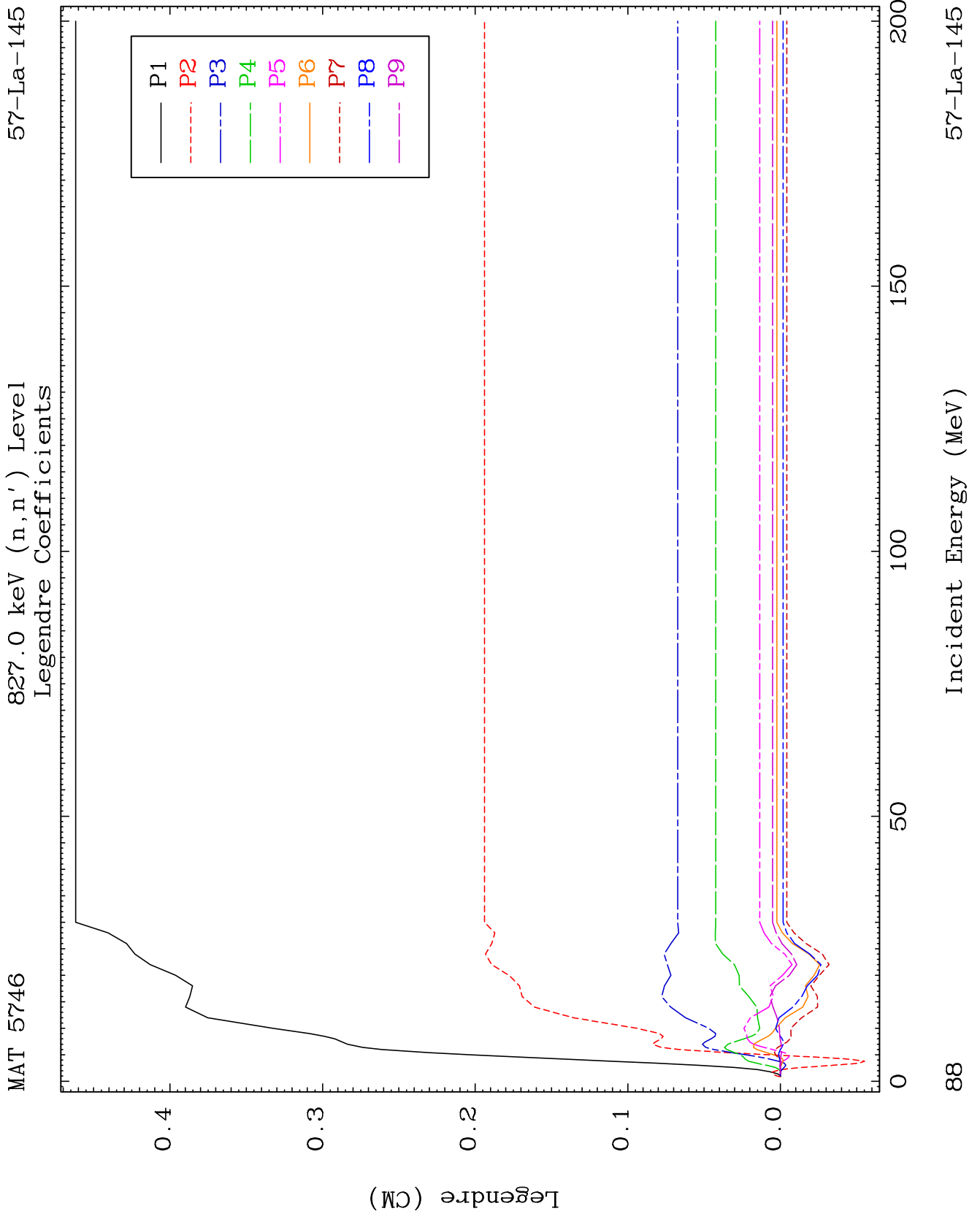










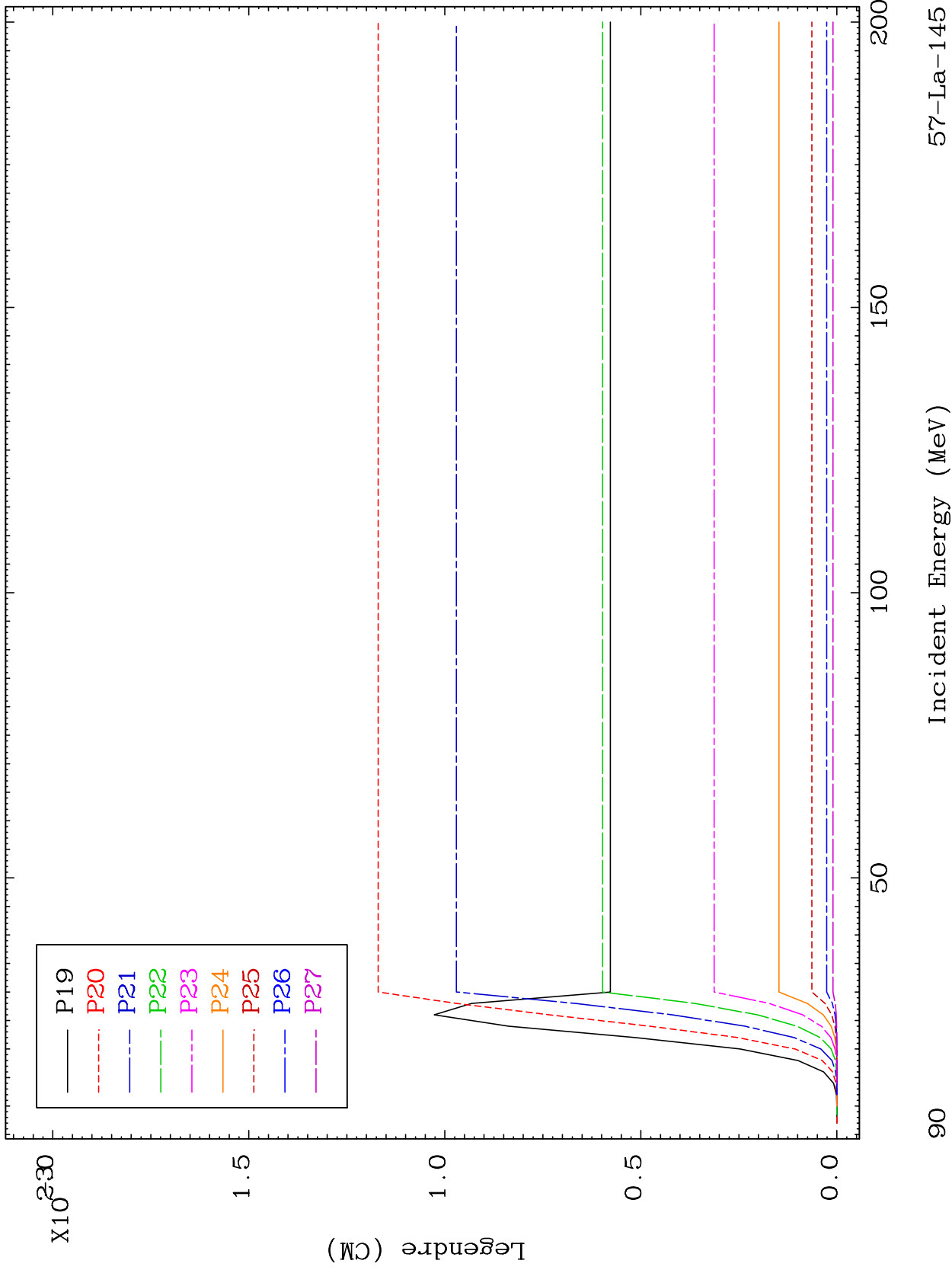




MAT 5746

827.0 keV (n,n') Level  
Legendre Coefficients

57-La-145



90

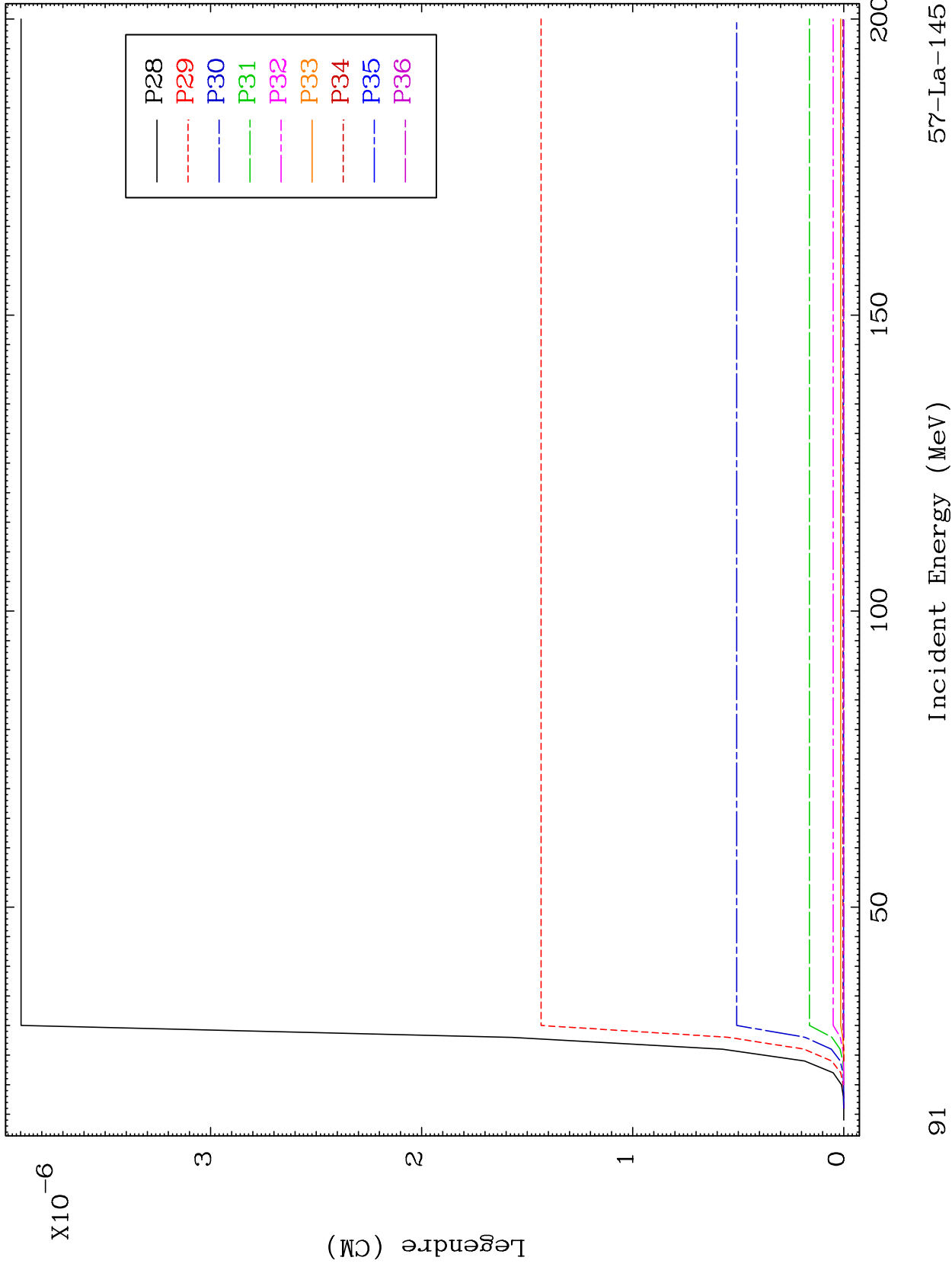
Incident Energy (MeV)

57-La-145

MAT 5746

827.0 keV (n,n') Level  
Legendre Coefficients

57-La-145

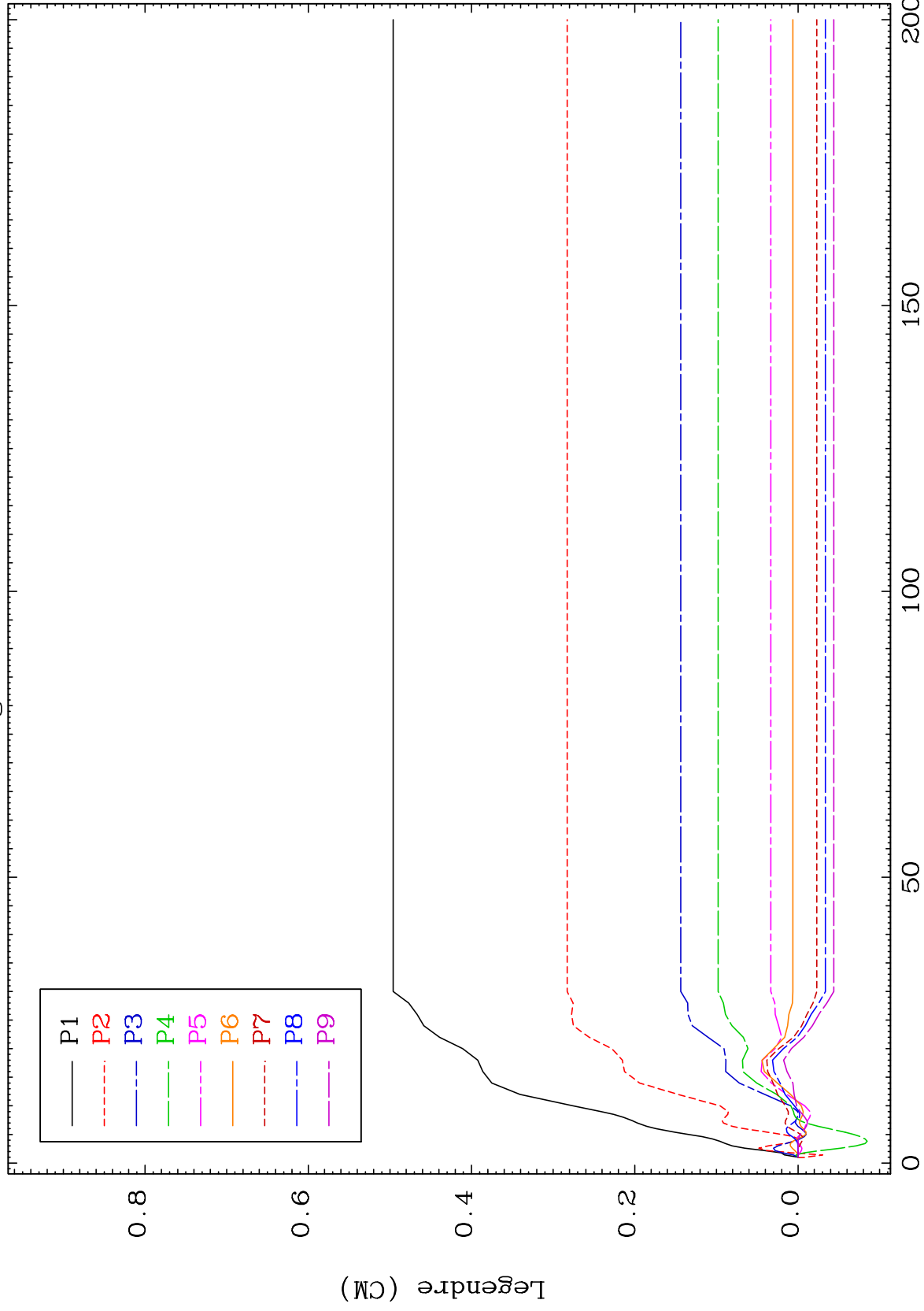


91

MAT 5746

922.4 keV (n,n') Level  
Legendre Coefficients

57-La-145



57-La-145

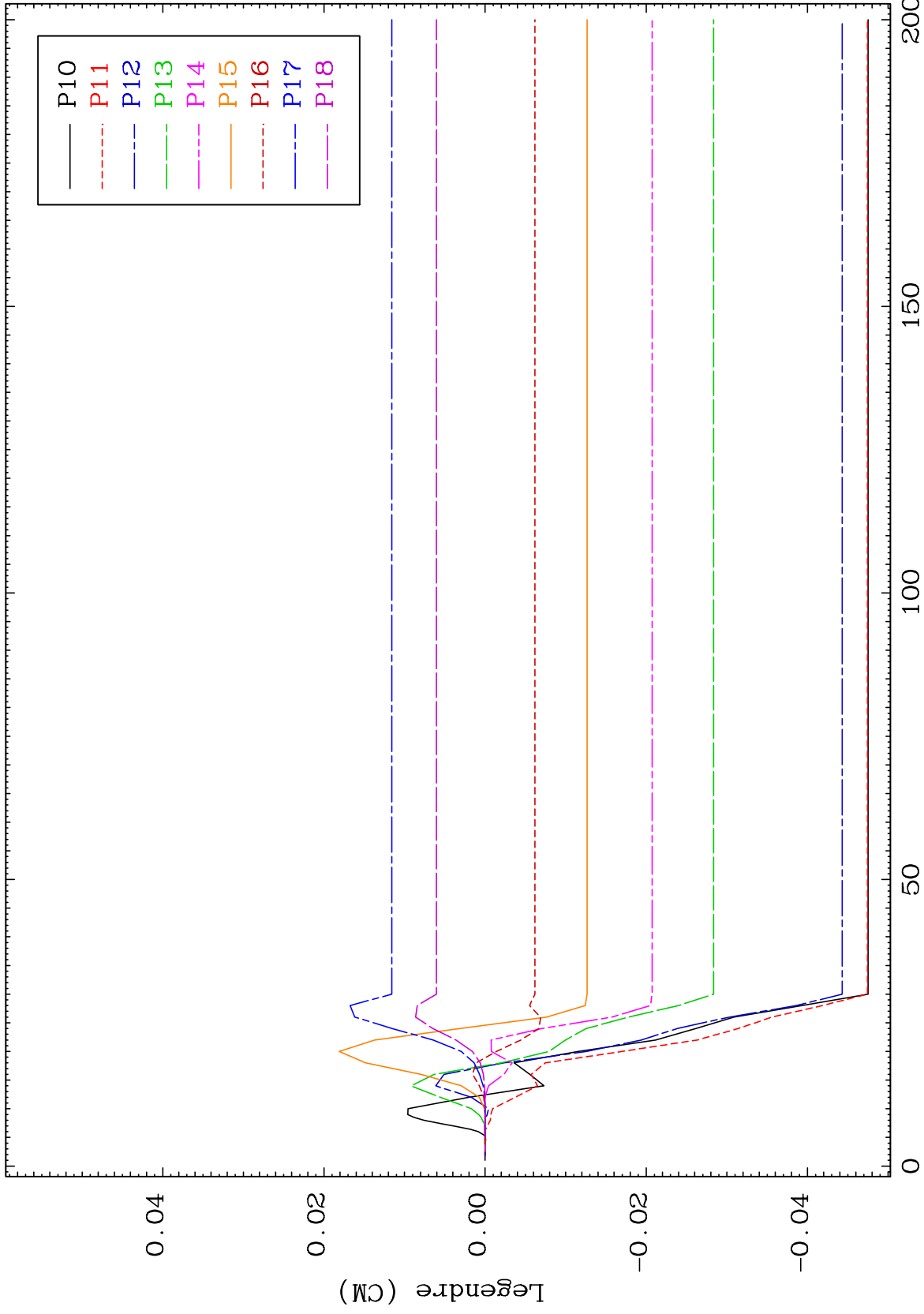
Incident Energy (MeV)

92

MAT 5746

922.4 keV (n,n') Level  
Legendre Coefficients

57-La-145



93

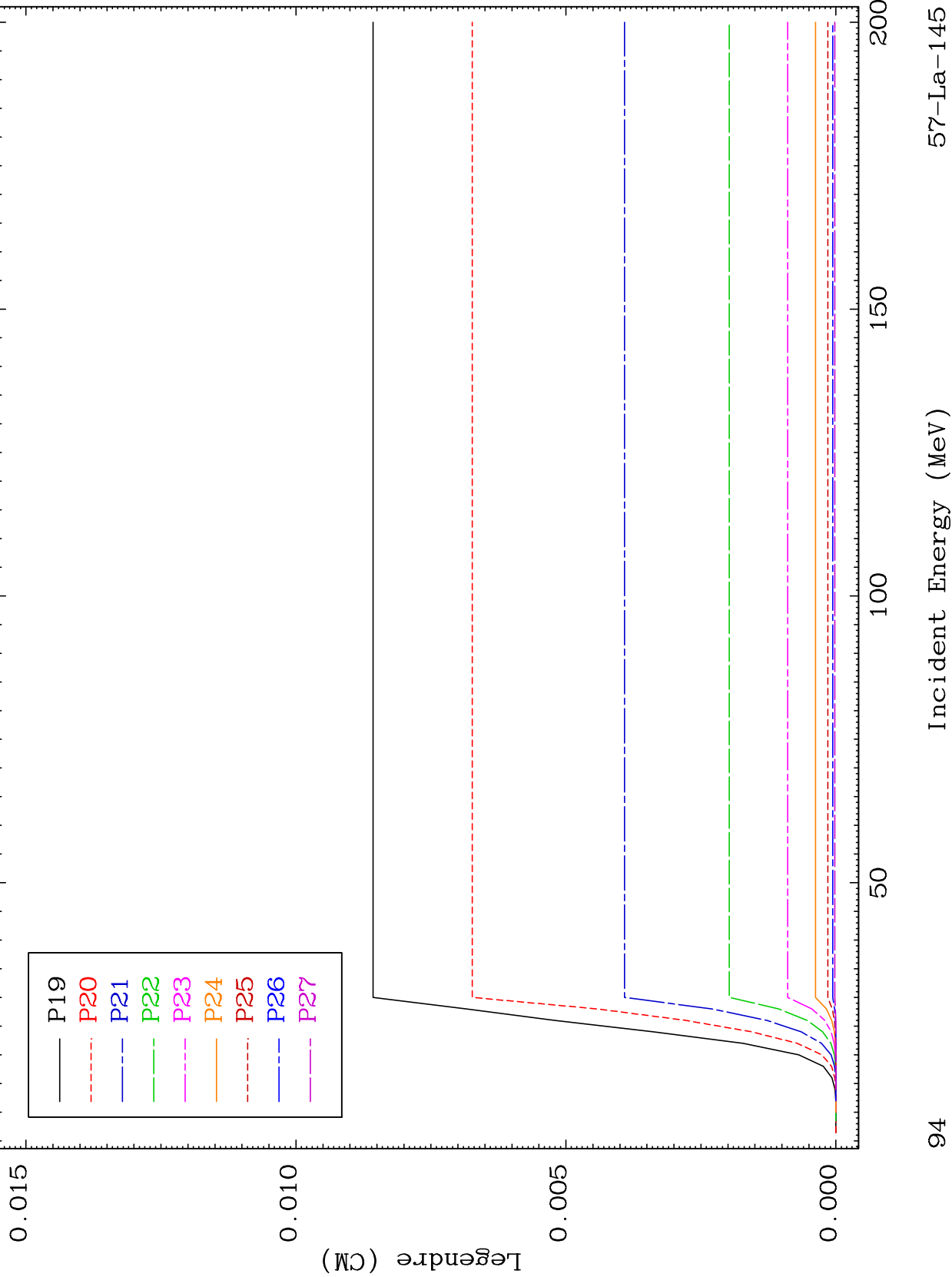
Incident Energy (MeV)

57-La-145

MAT 5746

922.4 keV (n,n') Level  
Legendre Coefficients

57-La-145



94

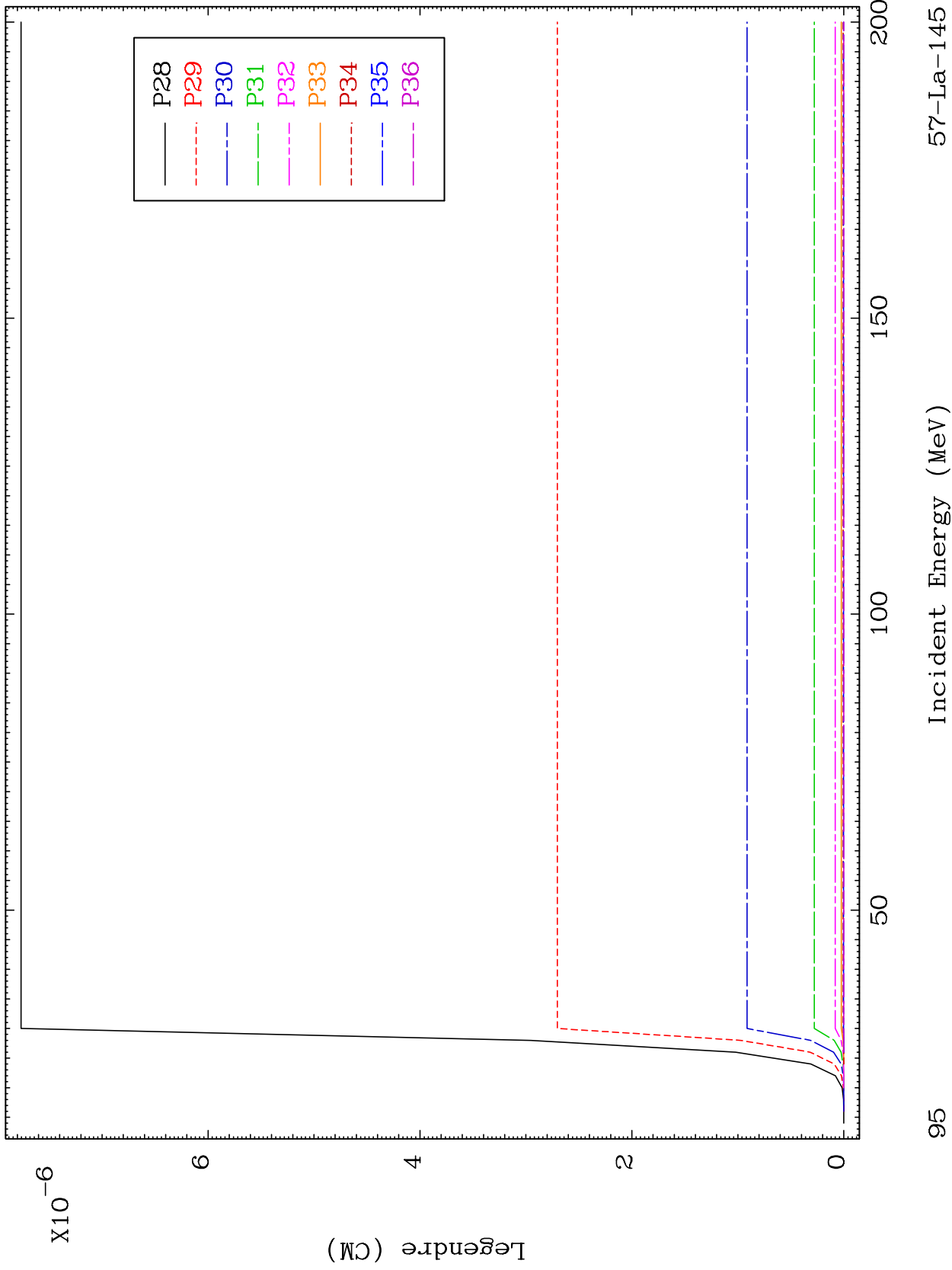
Incident Energy (MeV)

57-La-145

MAT 5746

922.4 keV (n,n') Level  
Legendre Coefficients

57-La-145



95

Incident Energy (MeV)

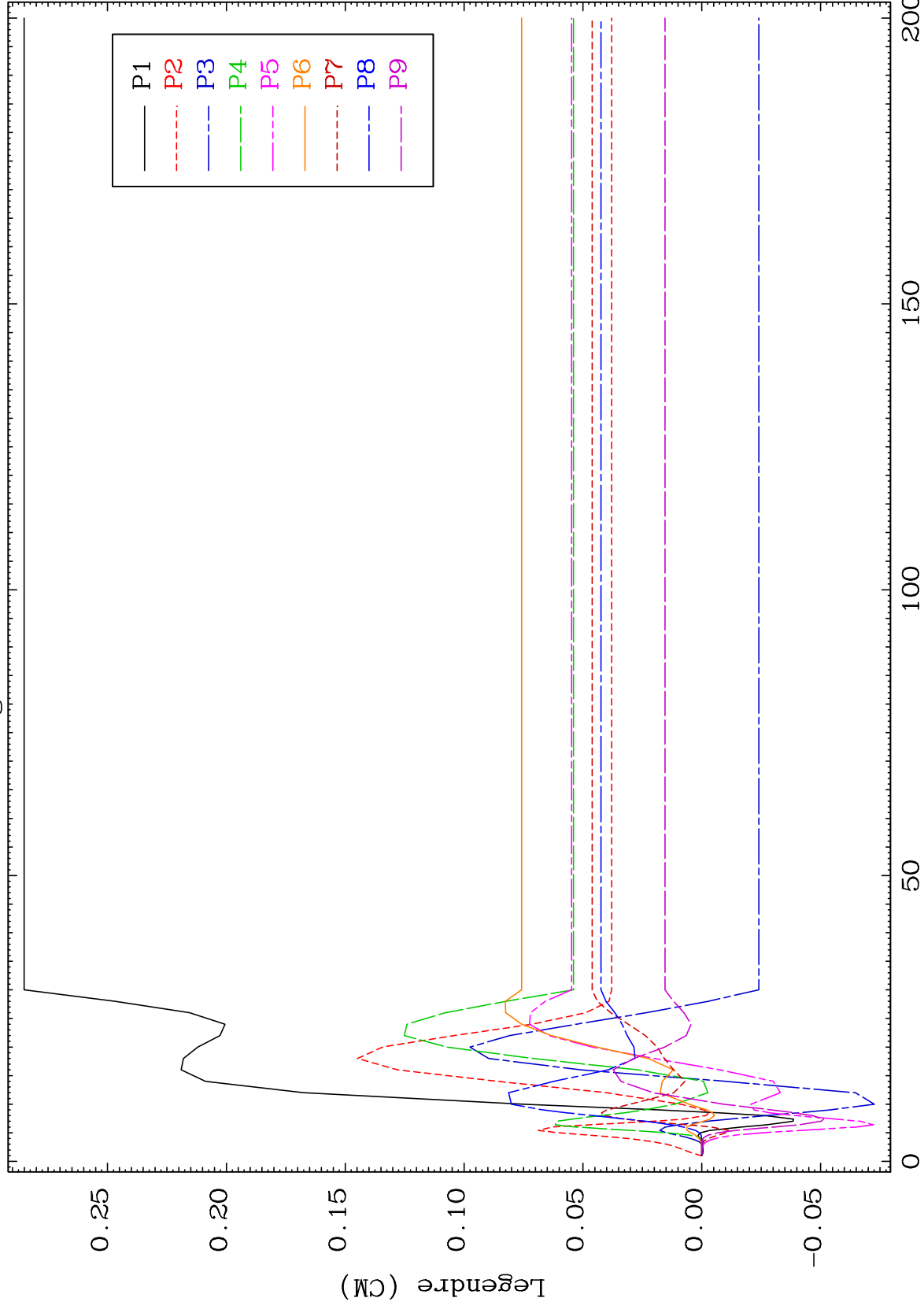
57-La-145



MAT 5746

973.6 keV (n,n') Level  
Legendre Coefficients

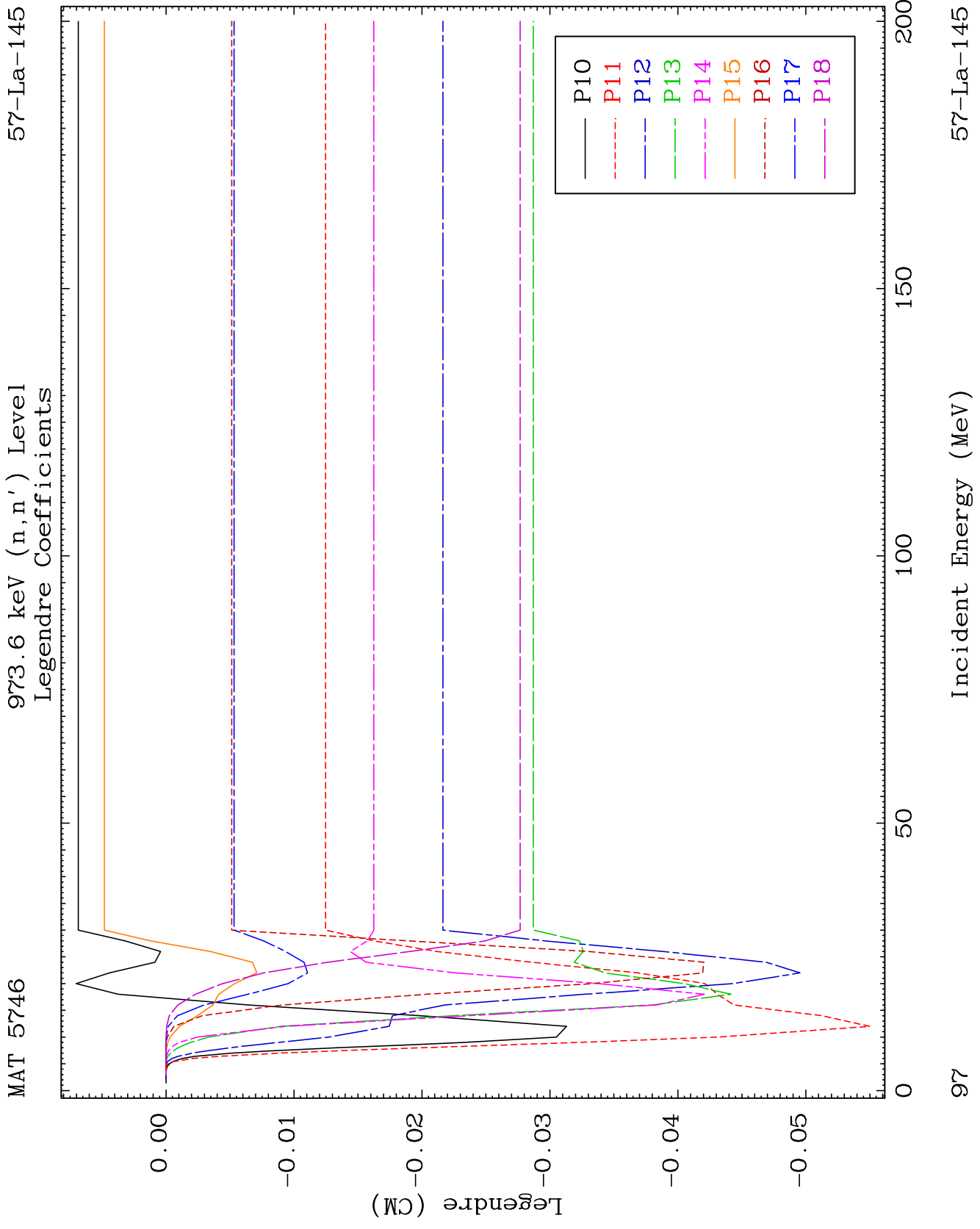
57-La-145

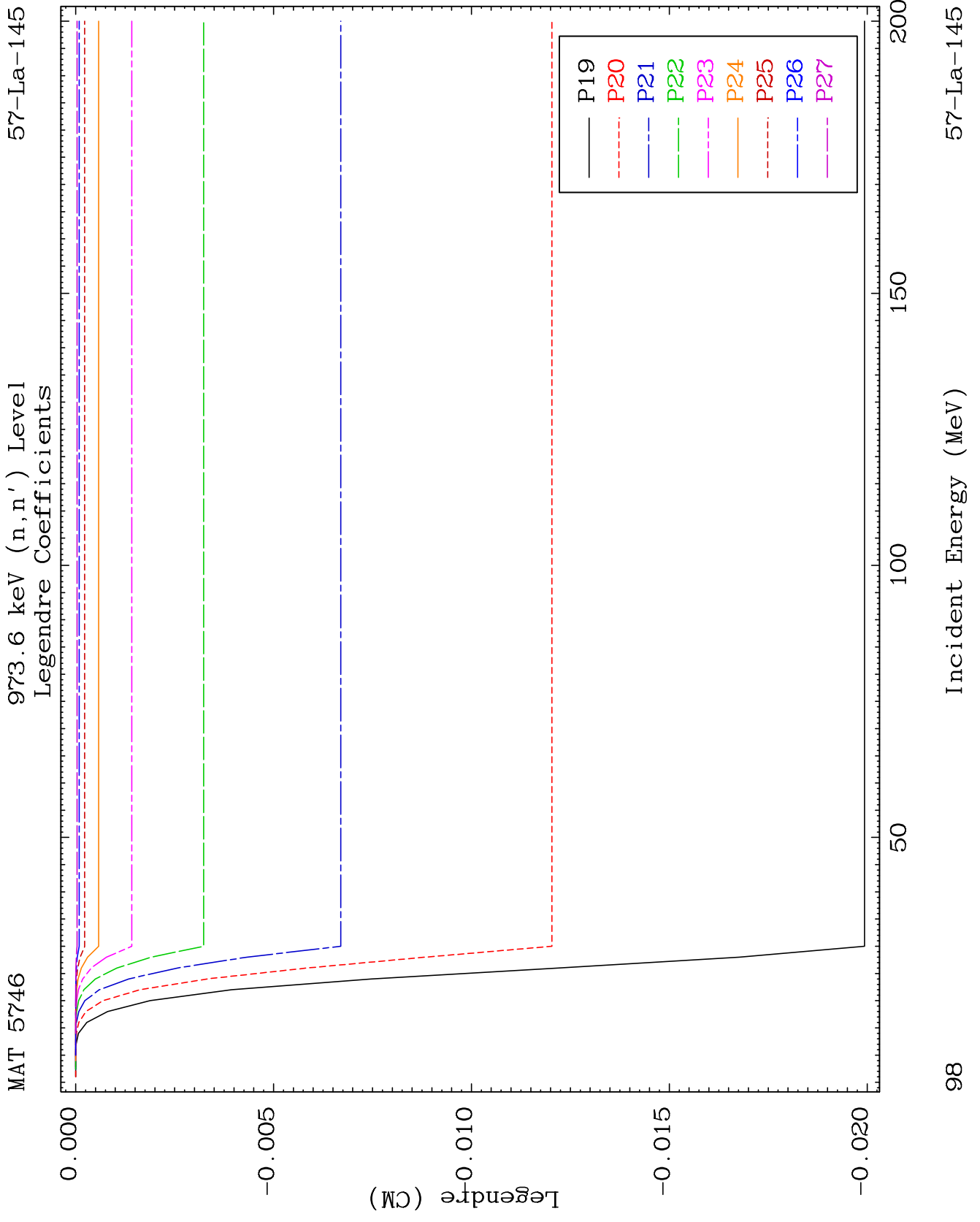


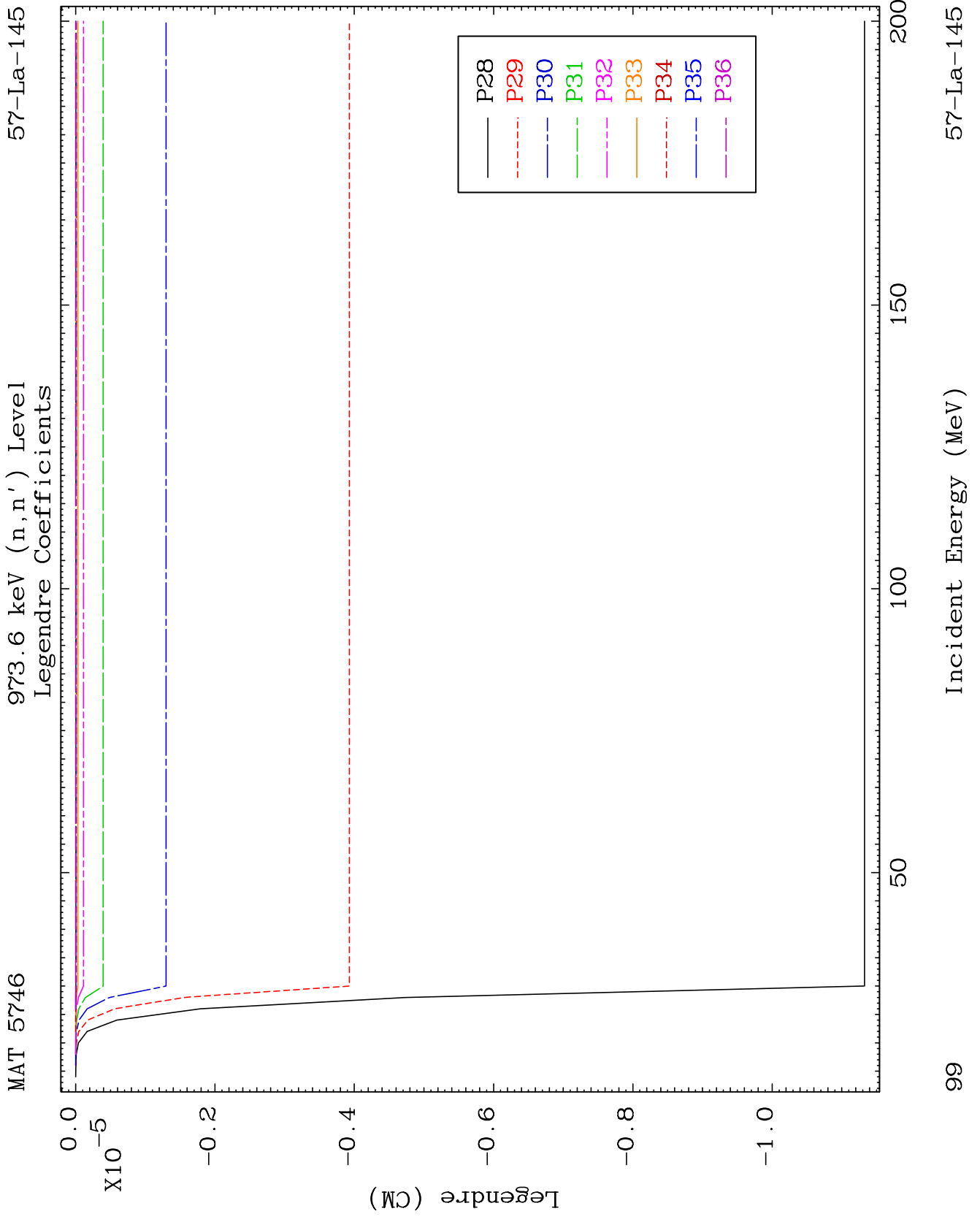
96

Incident Energy (MeV)

57-La-145



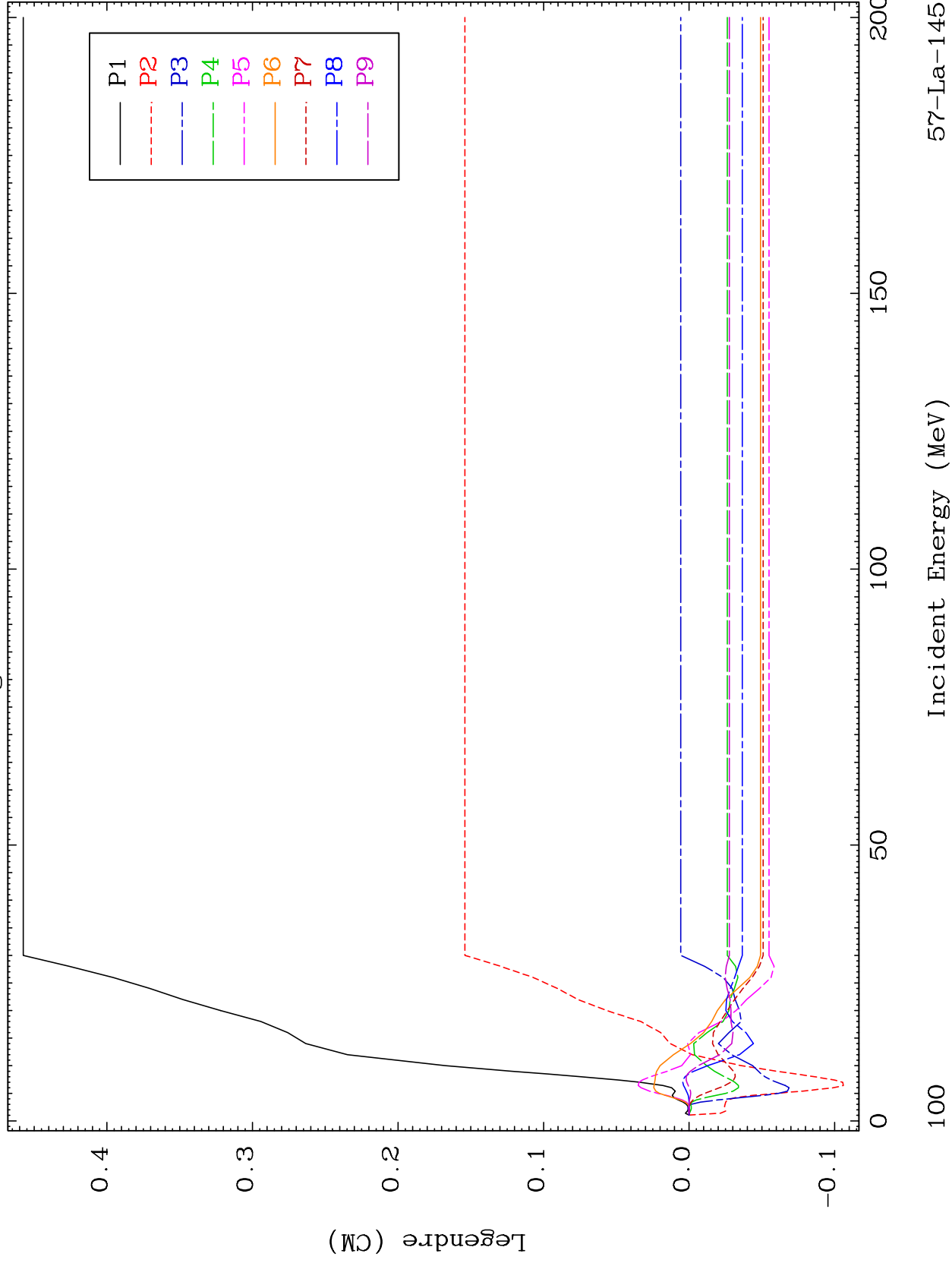




MAT 5746

1.033 MeV (n,n') Level  
Legendre Coefficients

57-La-145



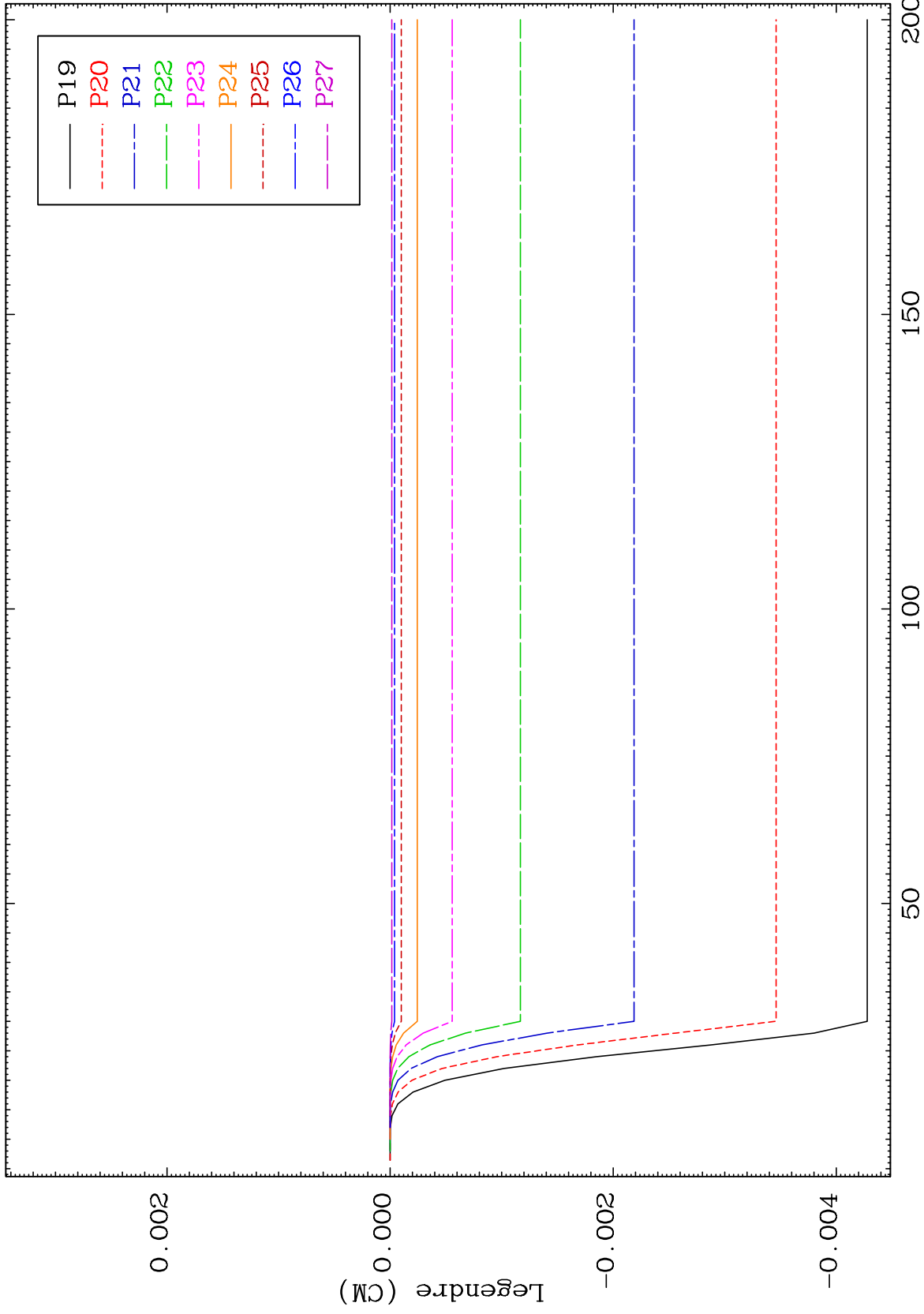
57-La-145



MAT 5746

1.033 MeV (n,n') Level  
Legendre Coefficients

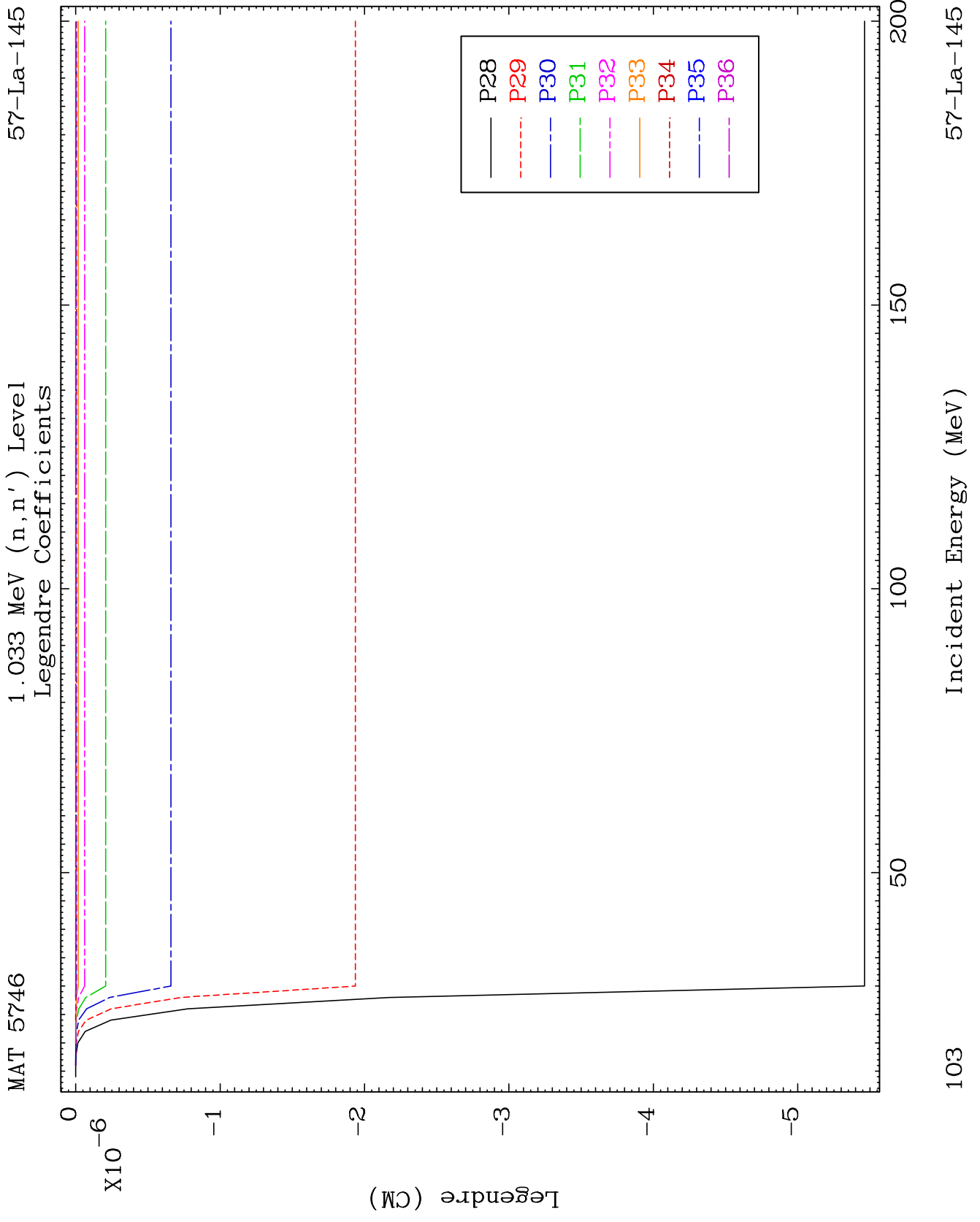
57-La-145



102

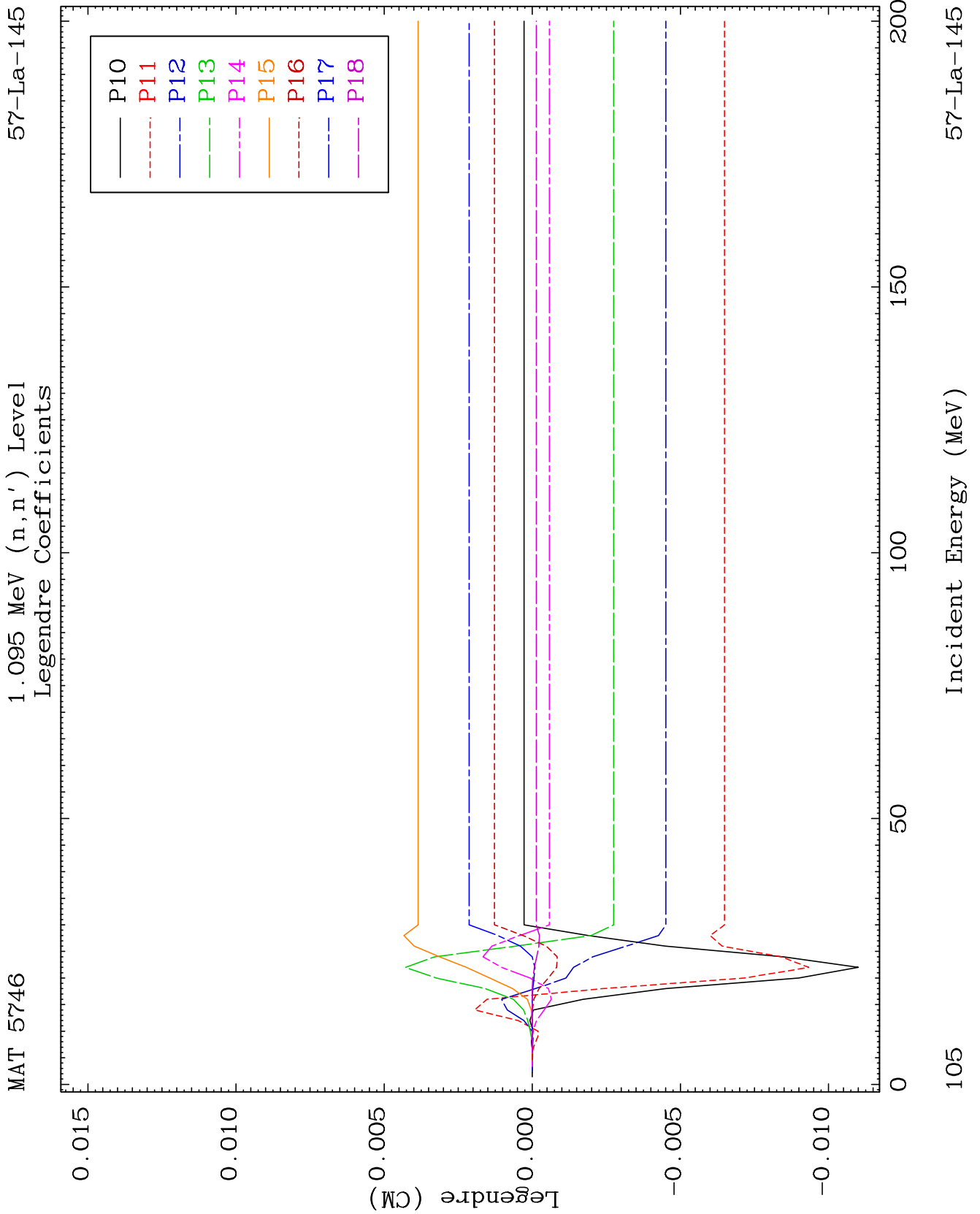
Incident Energy (MeV)

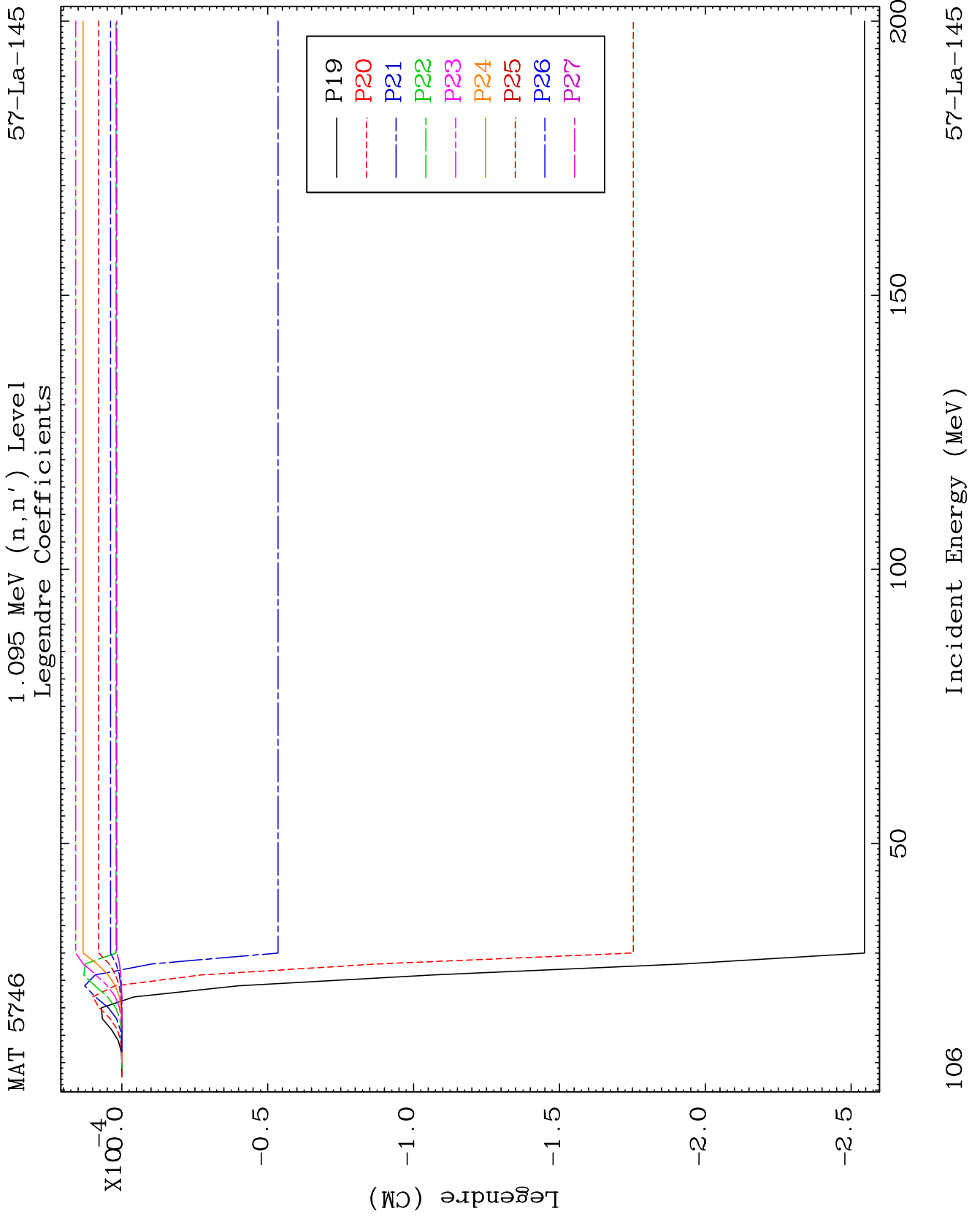
57-La-145

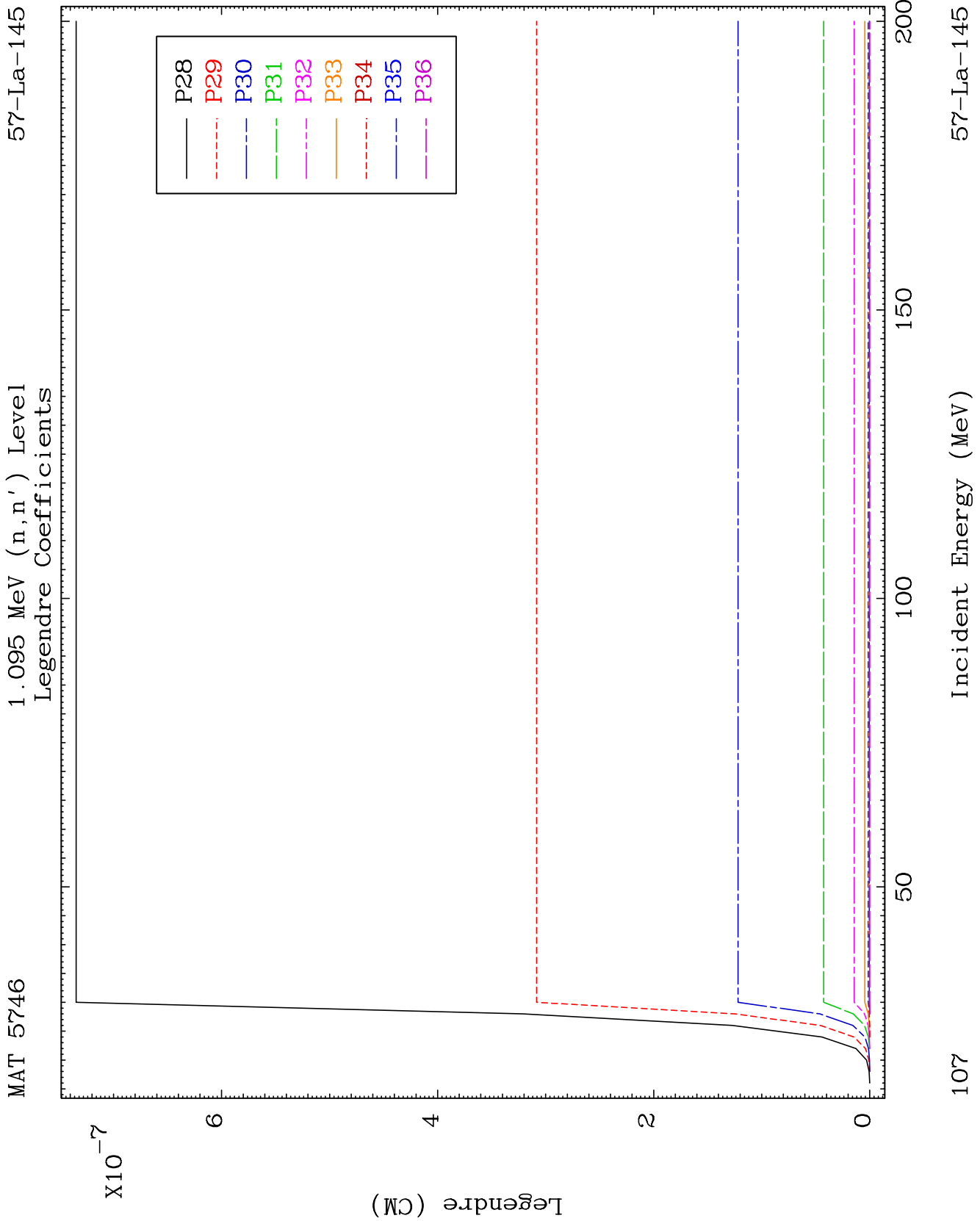


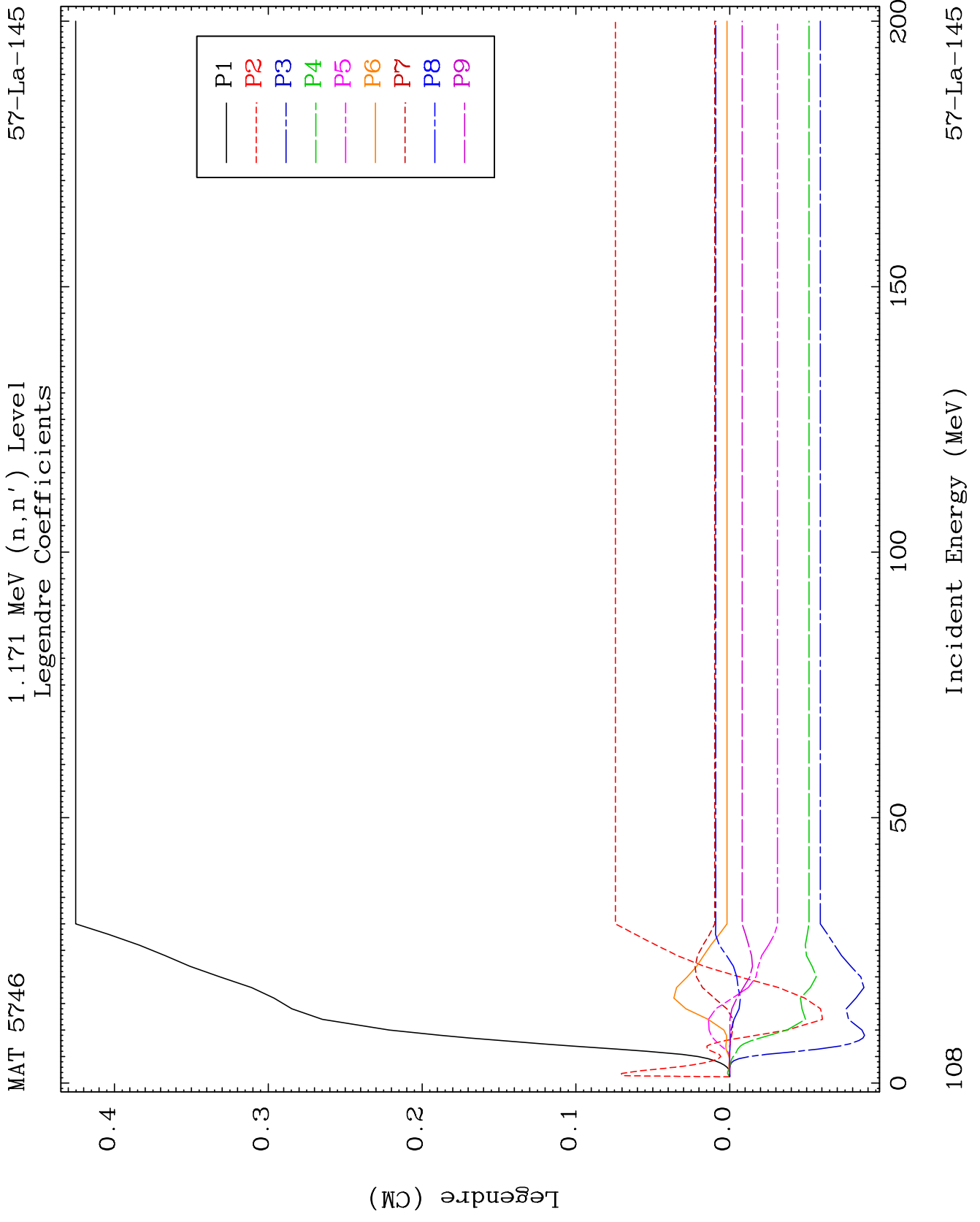








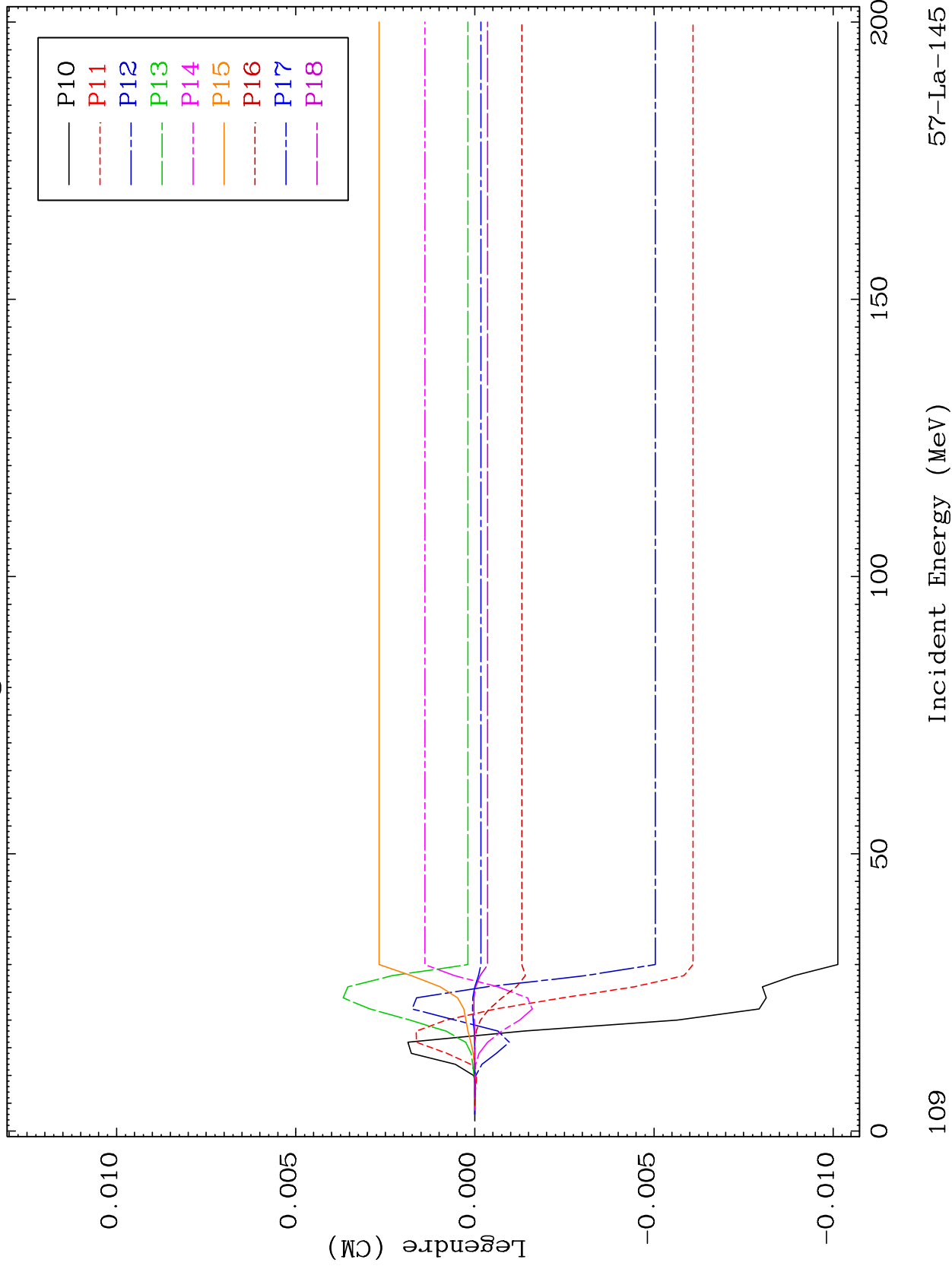




MAT 5746

1.171 MeV (n,n') Level  
Legendre Coefficients

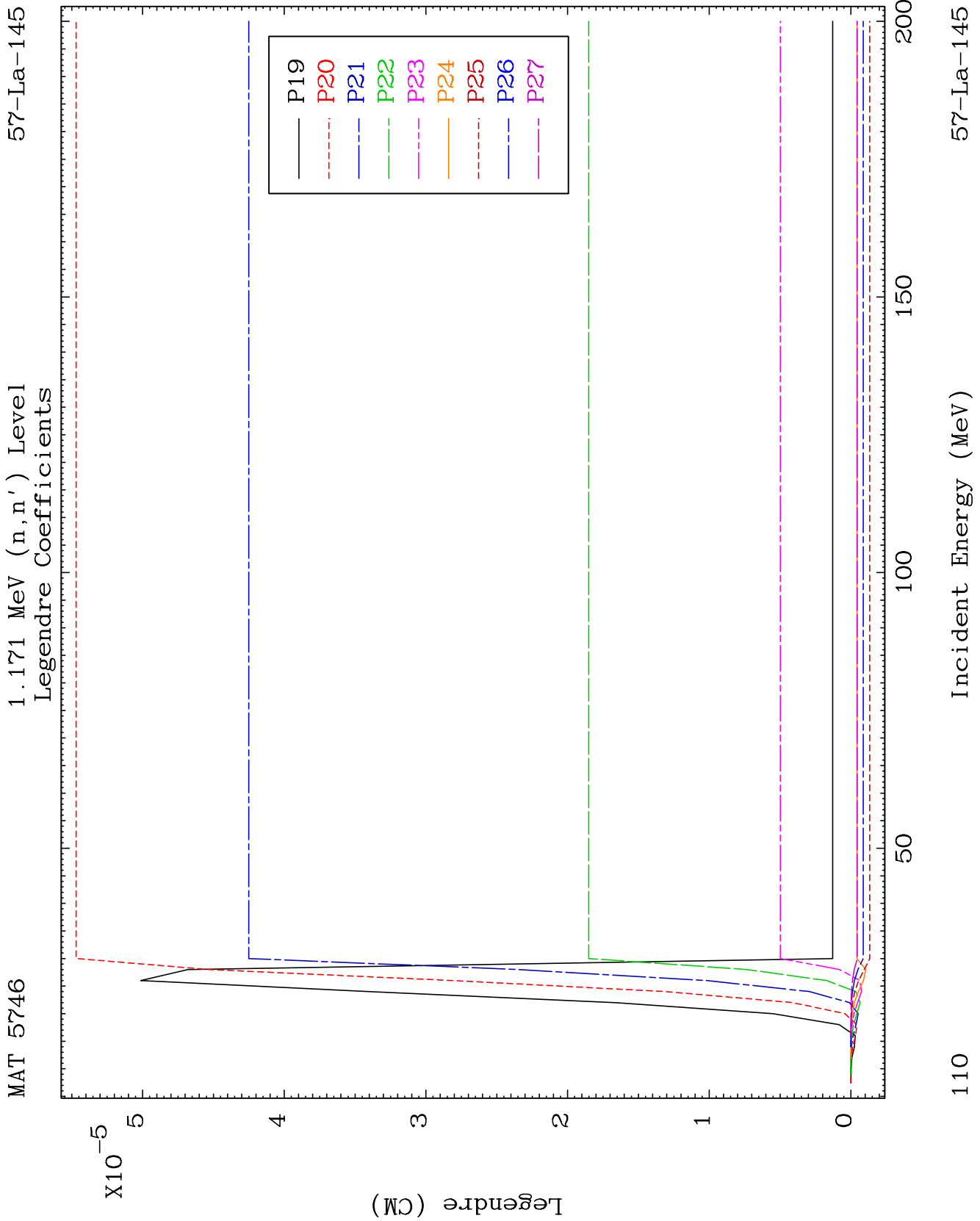
57-La-145

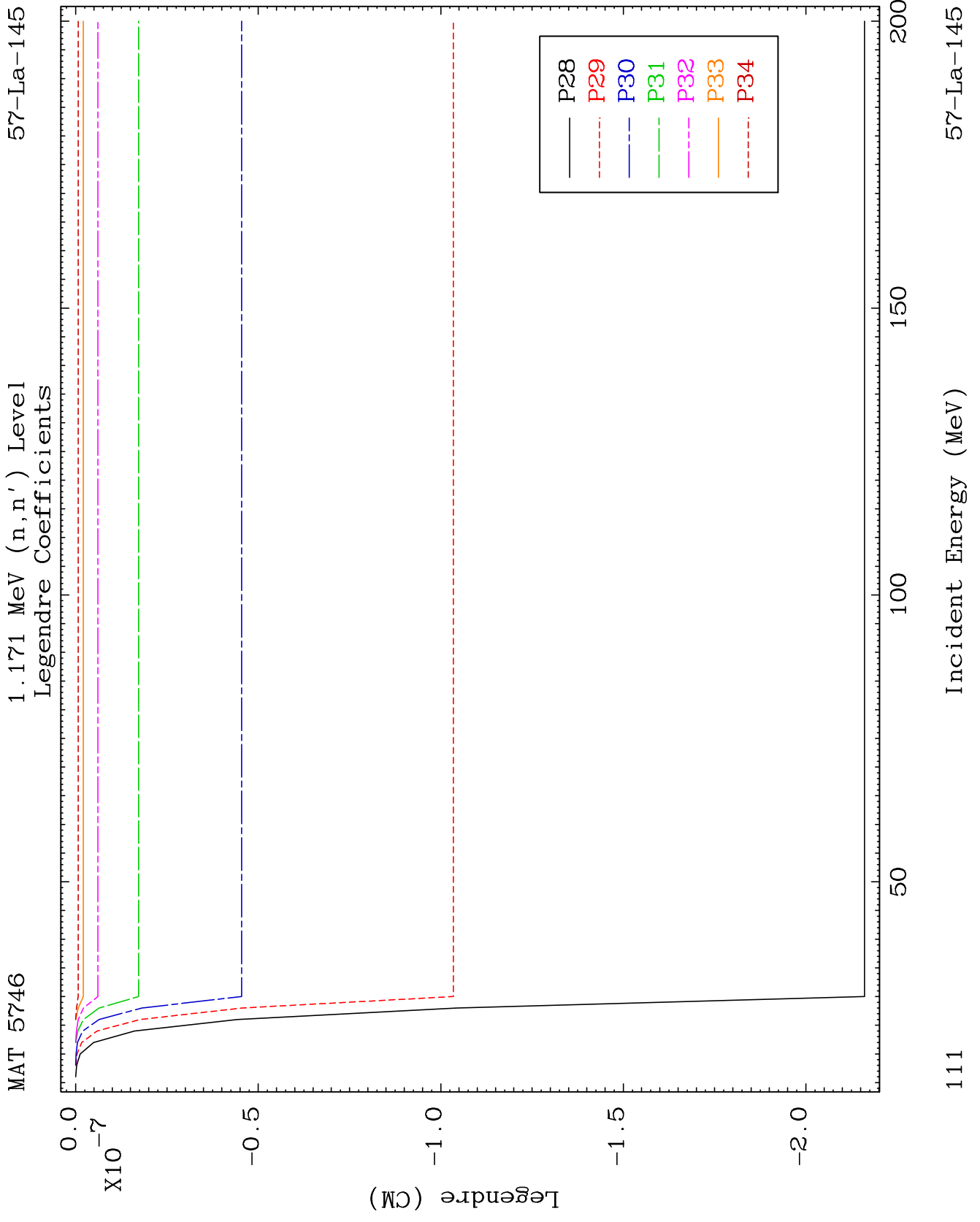


57-La-145

Incident Energy (MeV)

109



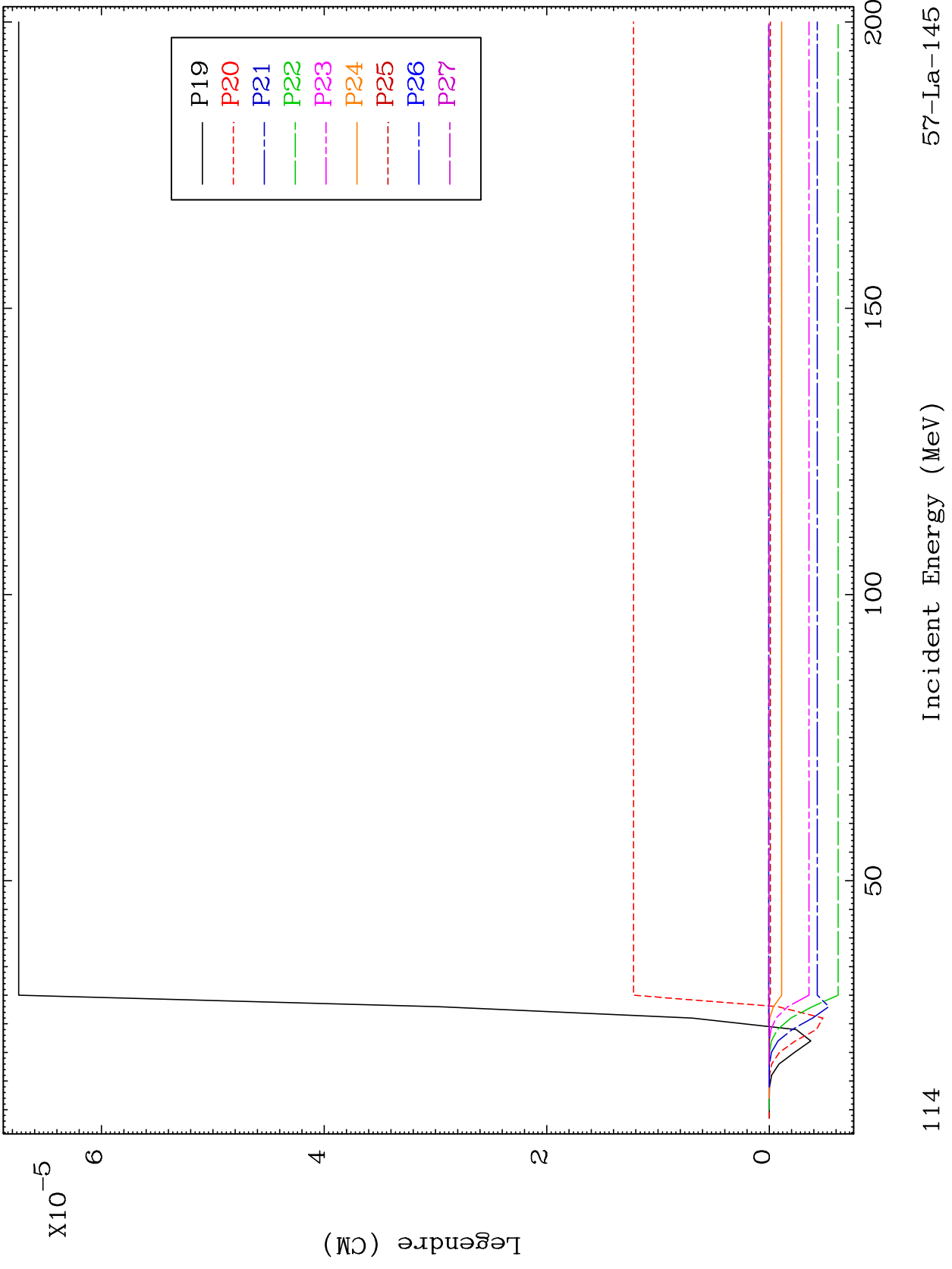




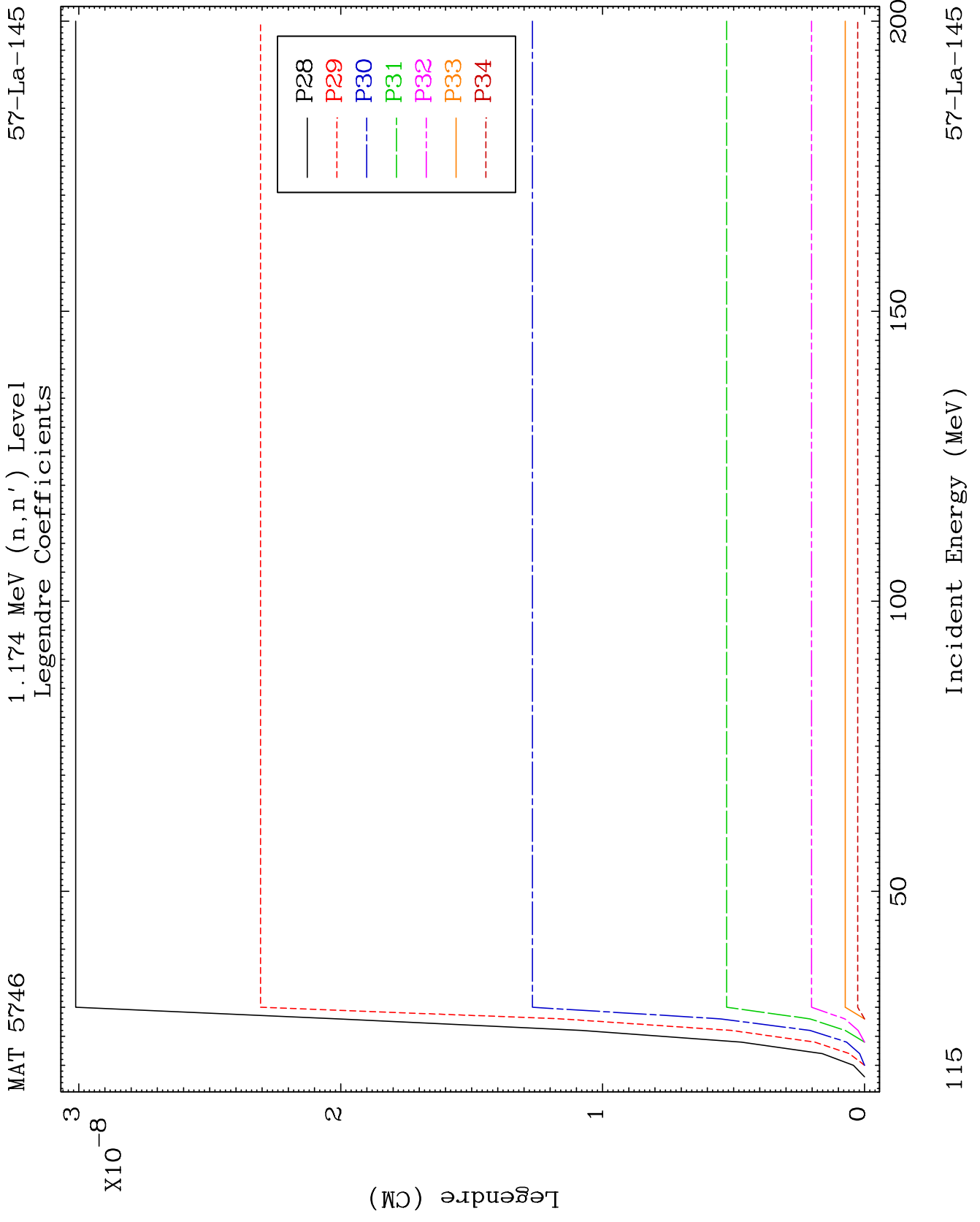




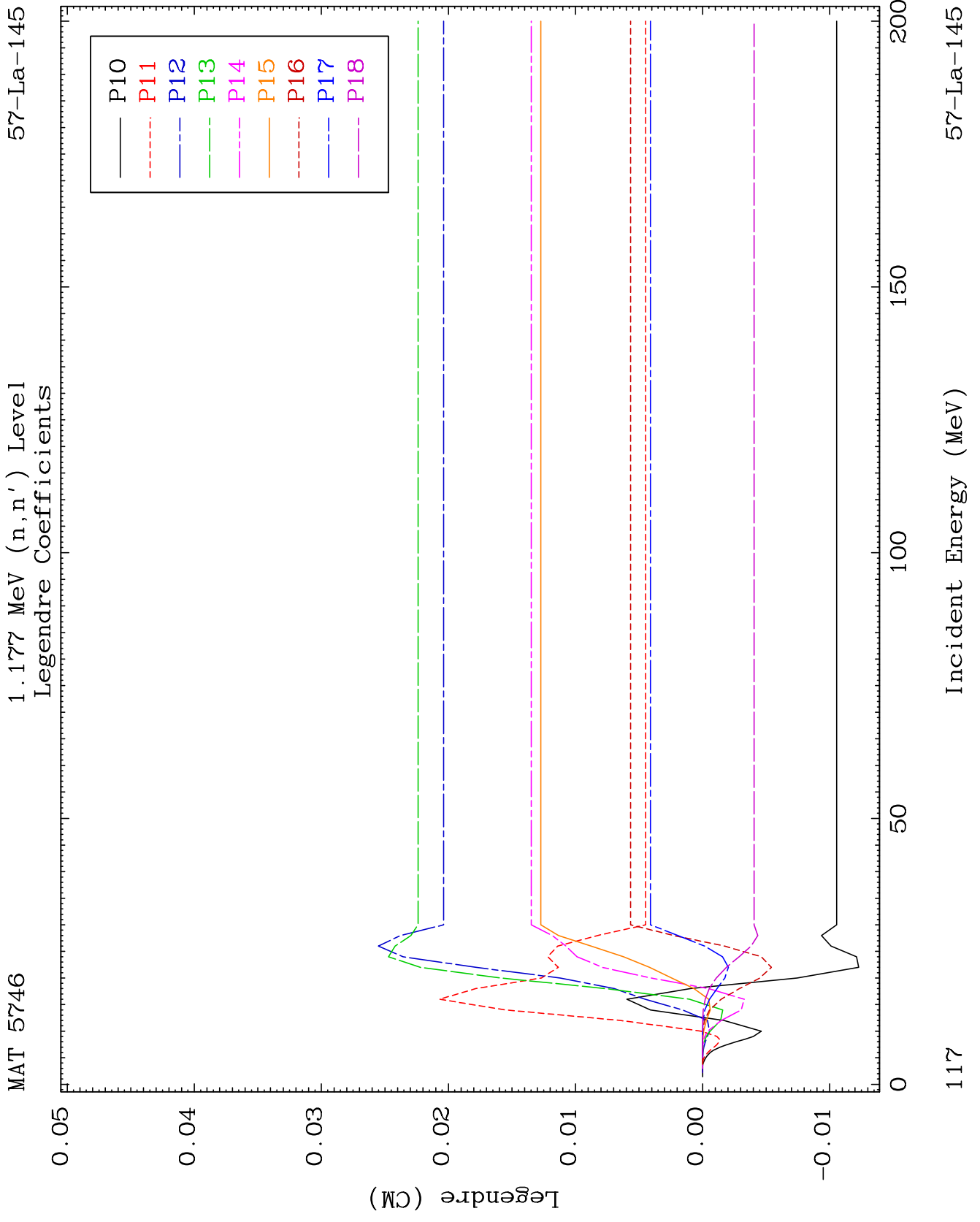
MAT 5746 1.174 MeV (n,n') Level Legendre Coefficients 57-La-145



114 57-La-145



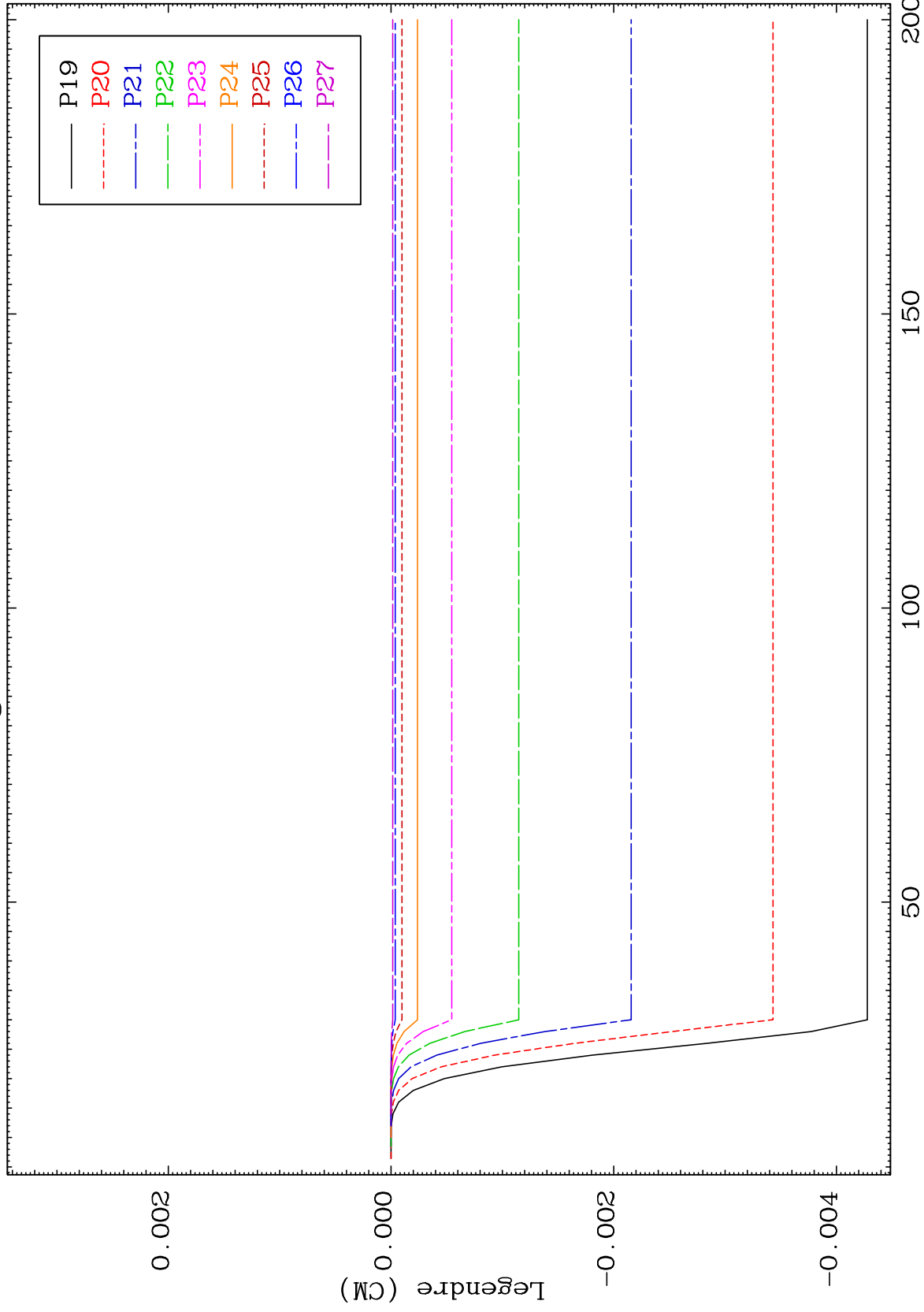




MAT 5746

1.177 MeV (n,n') Level  
Legendre Coefficients

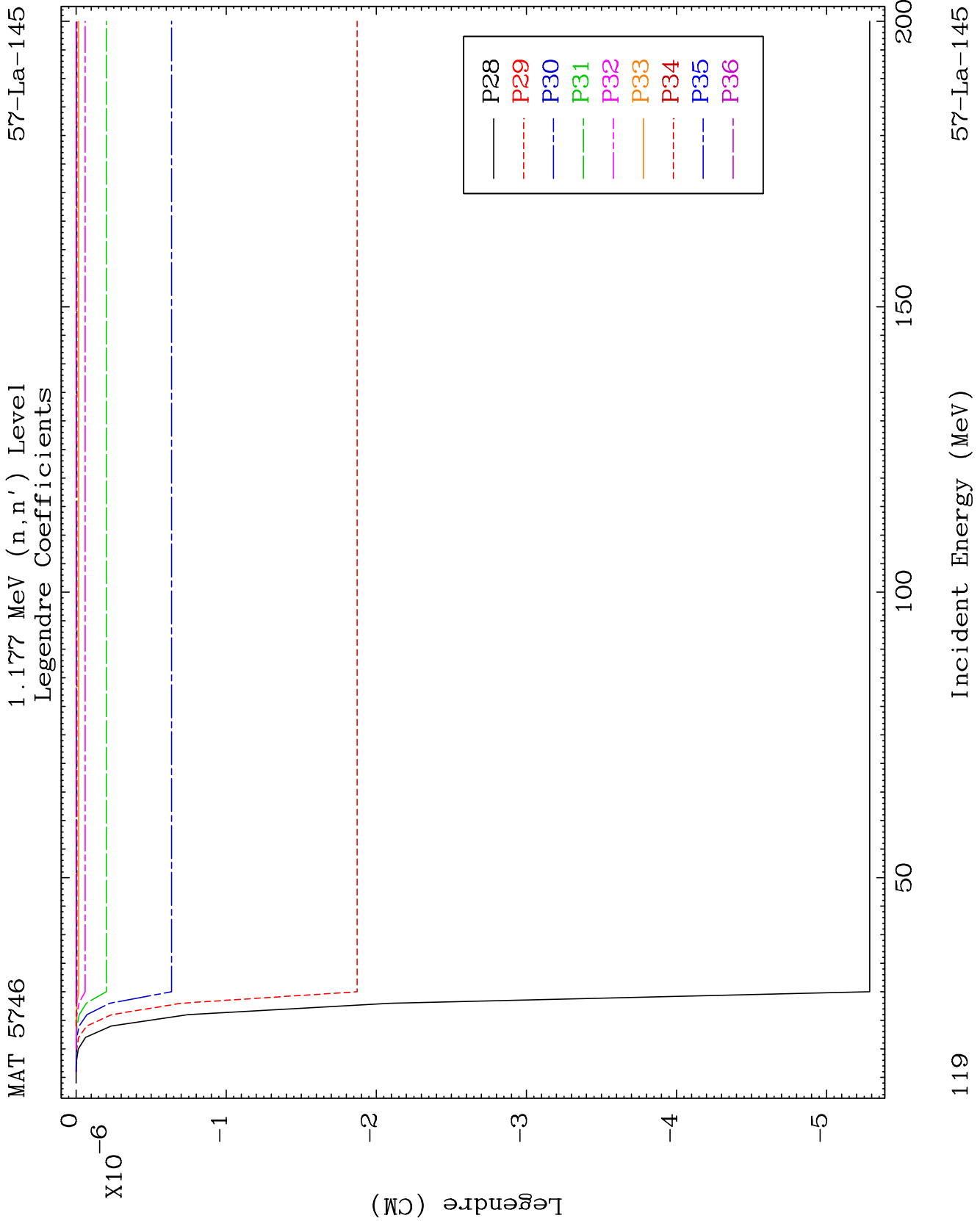
57-La-145



118

Incident Energy (MeV)

57-La-145



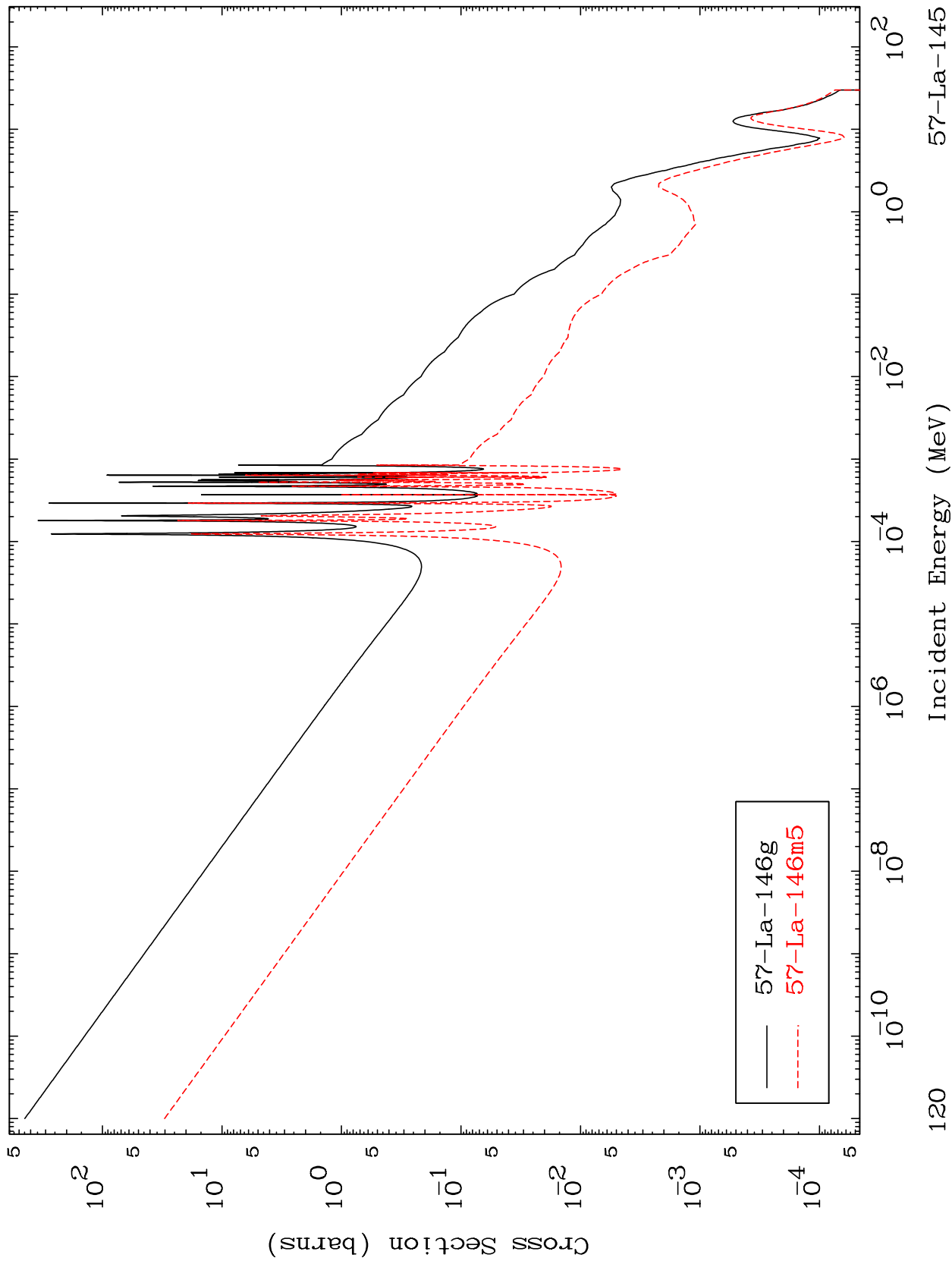


MAT 5746

57-La-145

Radionuclide Production Cross Section

(n,  $\gamma$ )



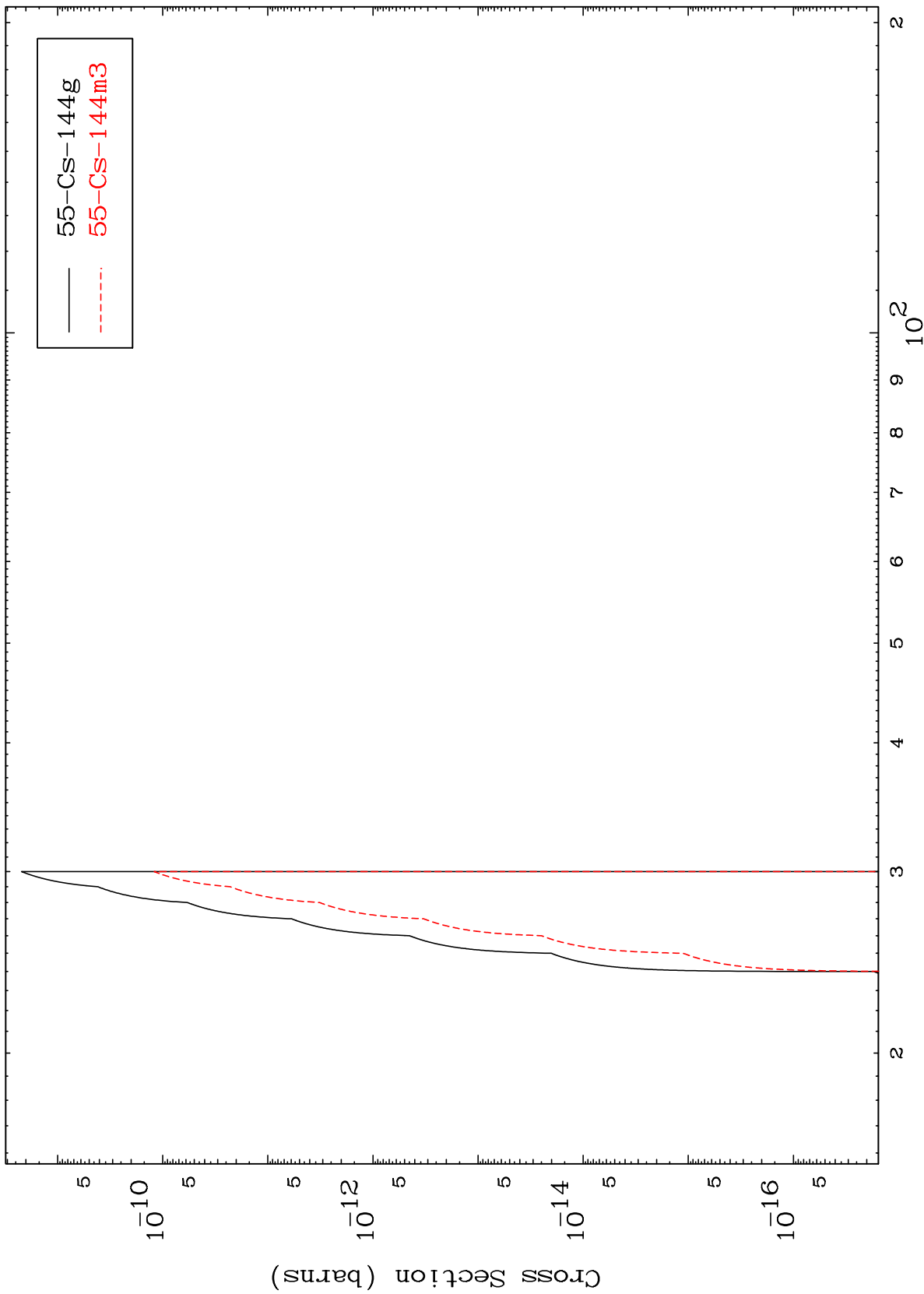
120

57-La-145

MAT 5746

57-La-145

(n,2p)  
Radionuclide Production Cross Section



121

57-La-145