

Program EVALPLOT  
(Version 2015-2)

by

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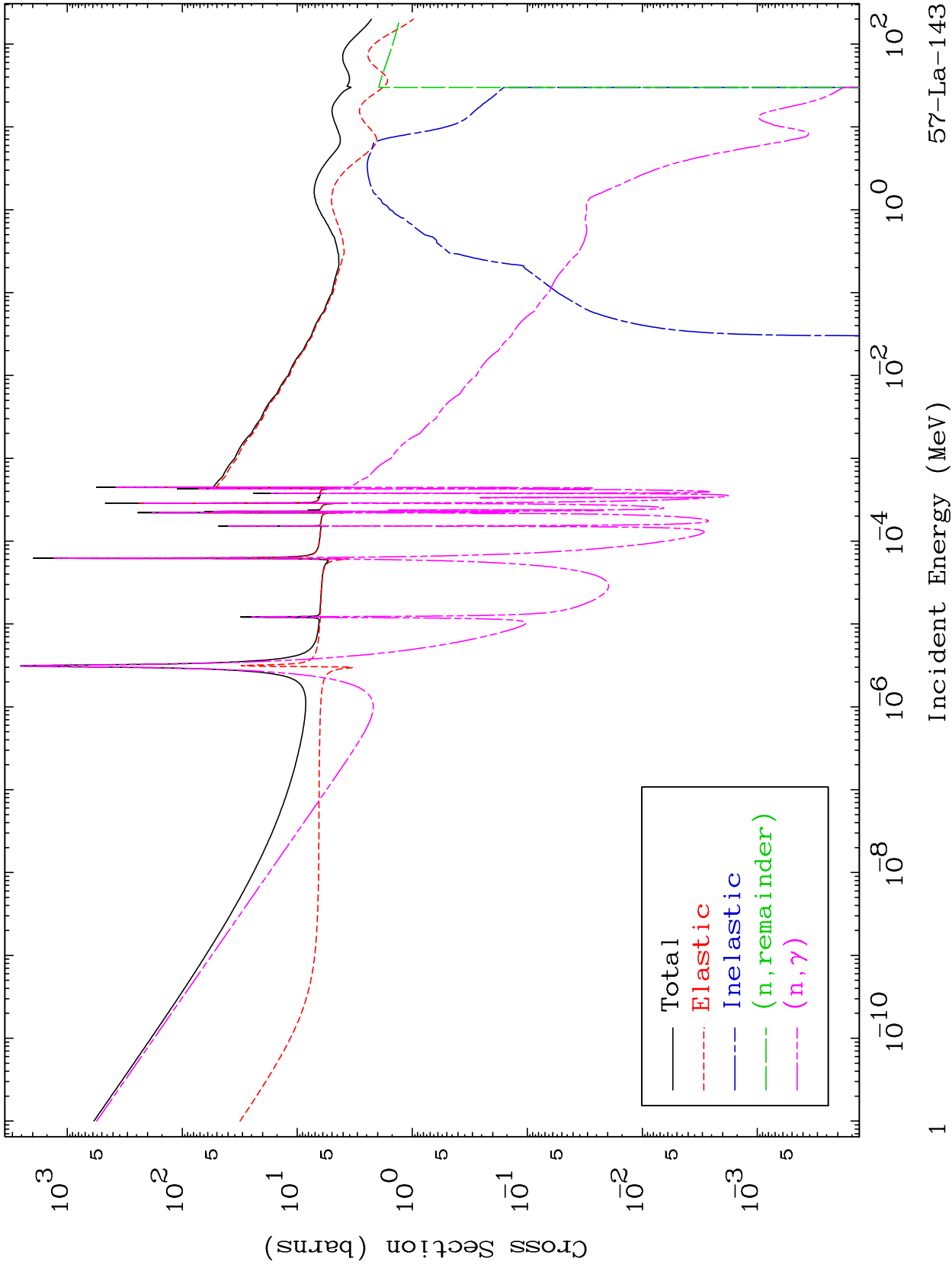
Press Mouse Button to Start

MAT 5740

Major

293 Kelvin Cross Sections

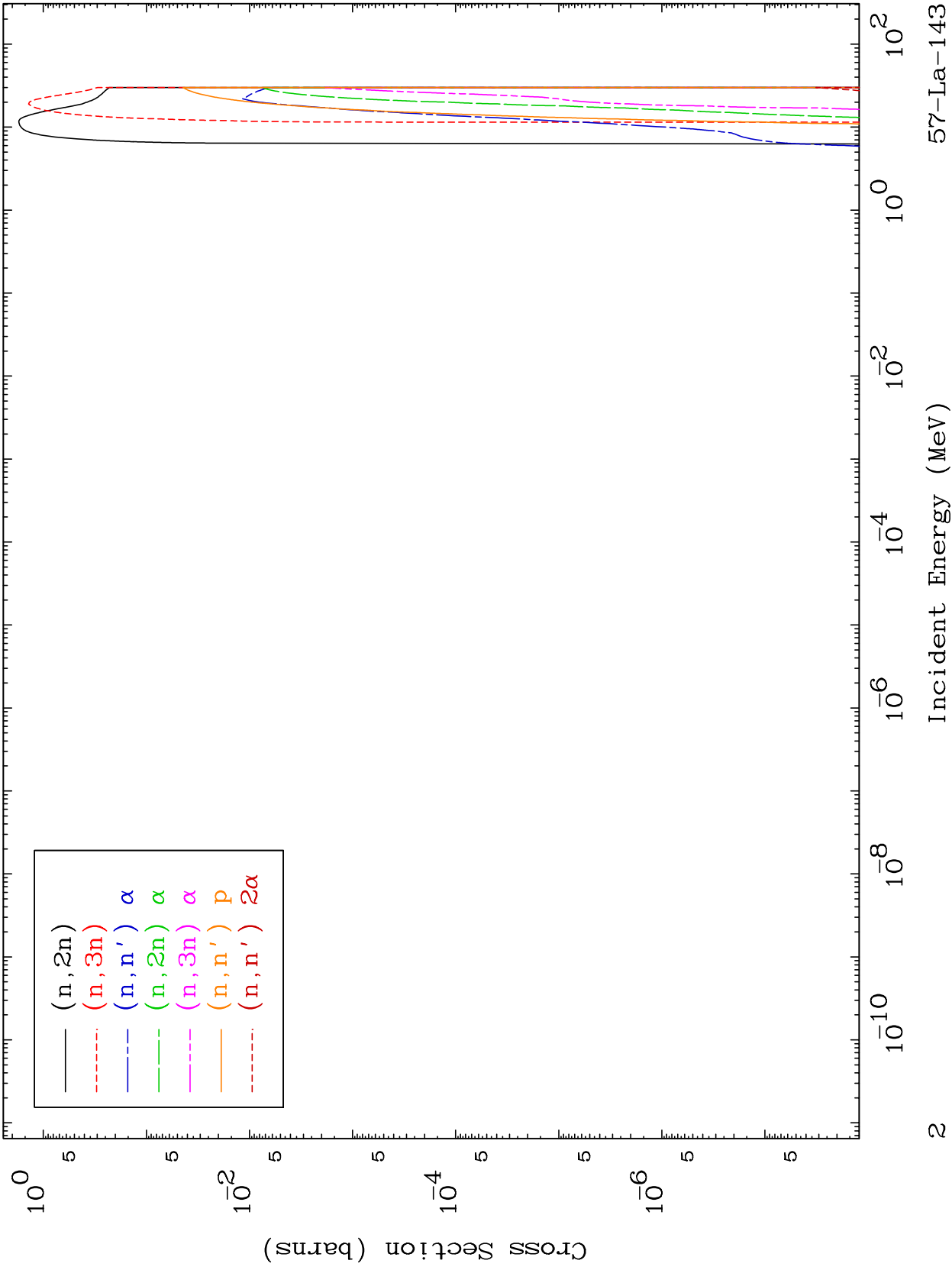
57-La-143



MAT 5740

Neutron Production  
293 Kelvin Cross Sections

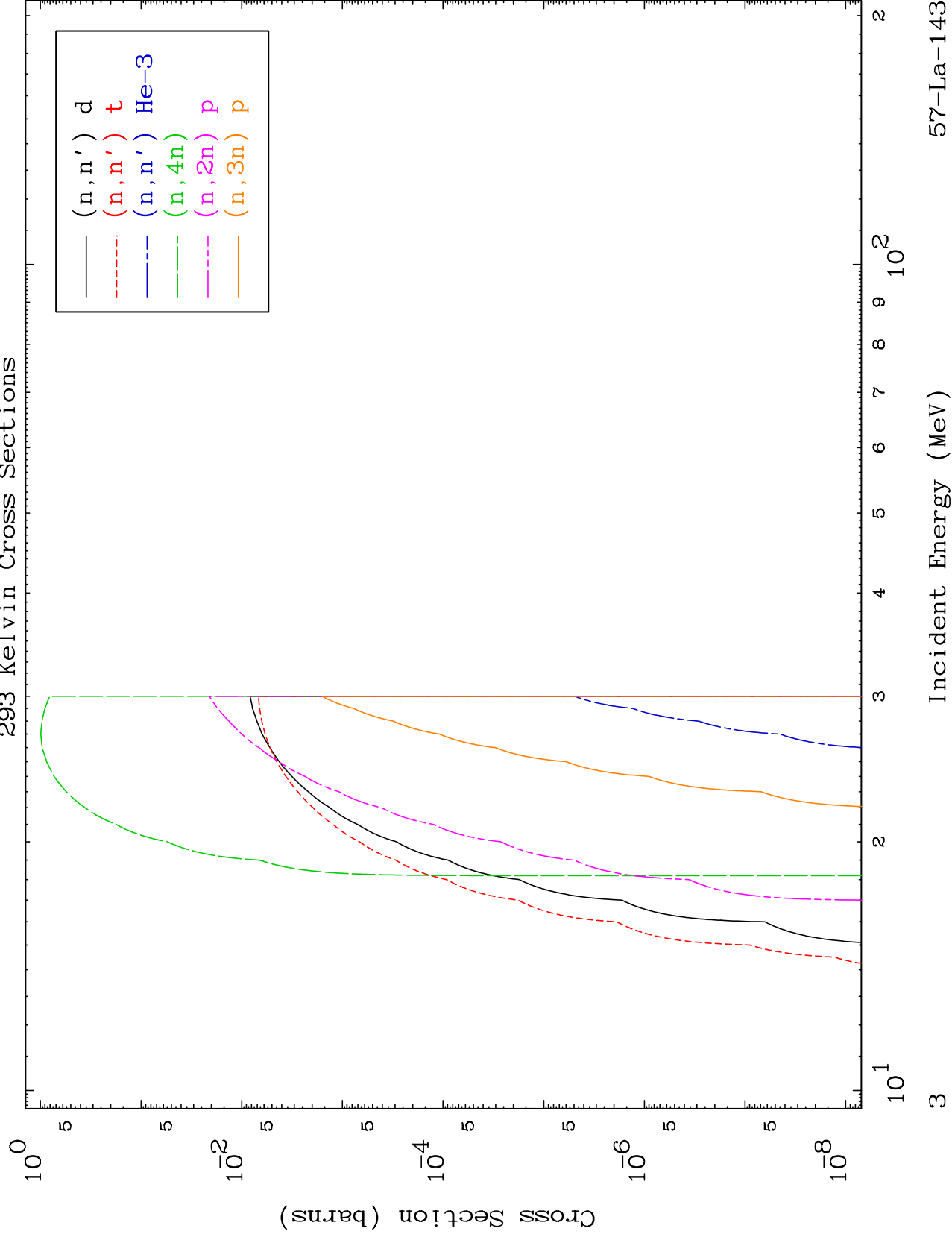
57-La-143



MAT 5740

Neutron Production  
293 Kelvin Cross Sections

57-La-143



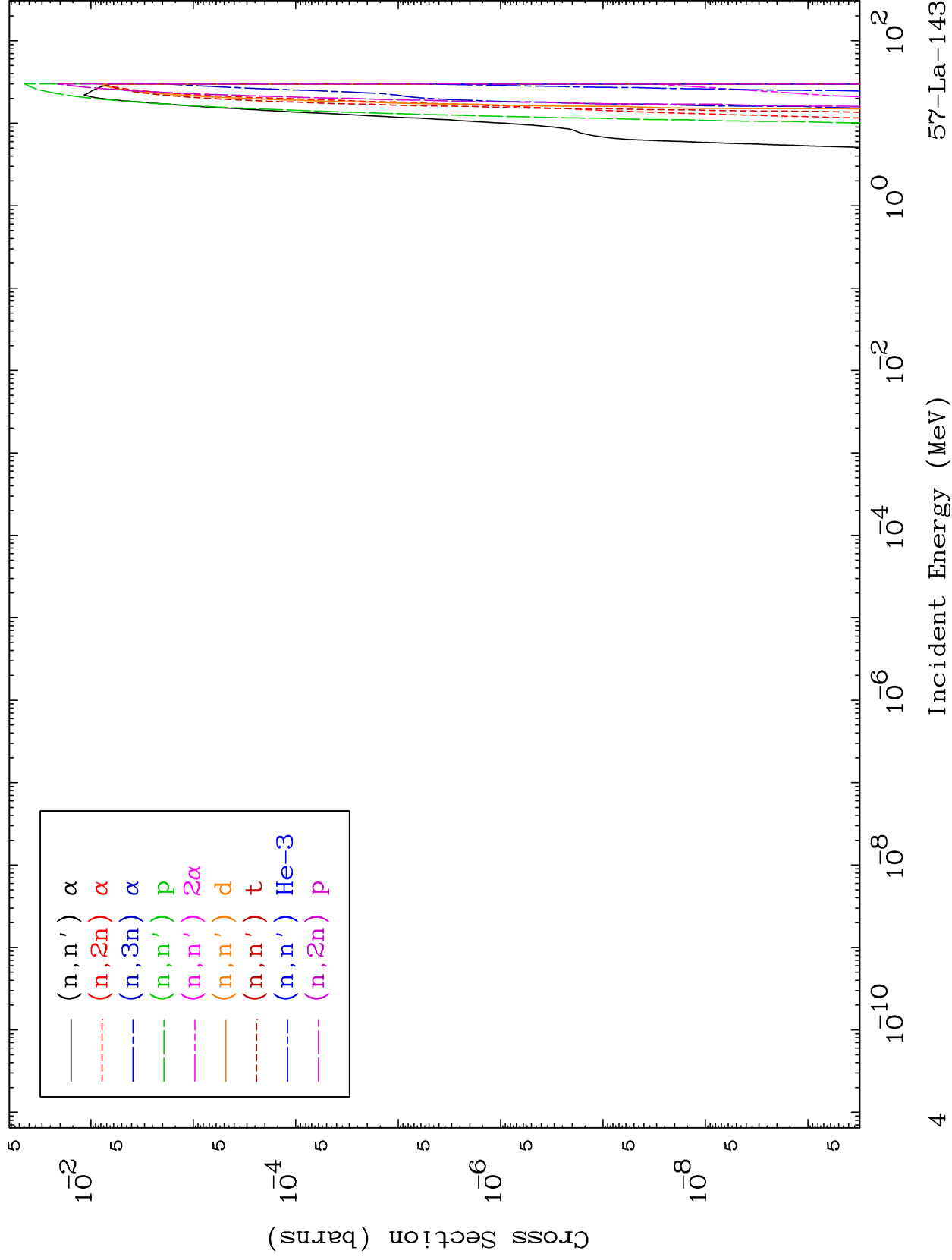
57-La-143

Incident Energy (MeV)

MAT 5740

Charged Particle  
293 Kelvin Cross Sections

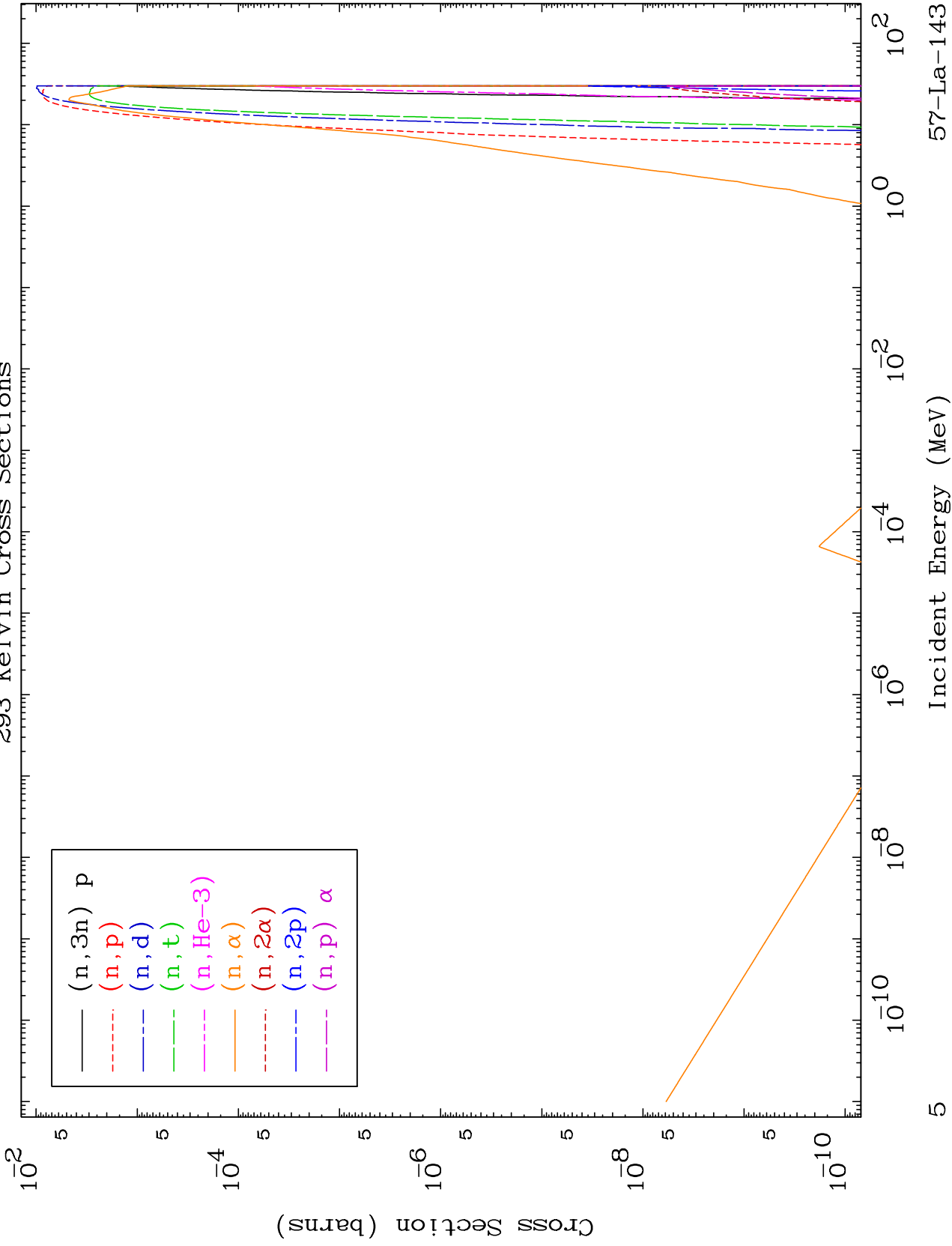
57-La-143



MAT 5740

Charged Particle  
293 Kelvin Cross Sections

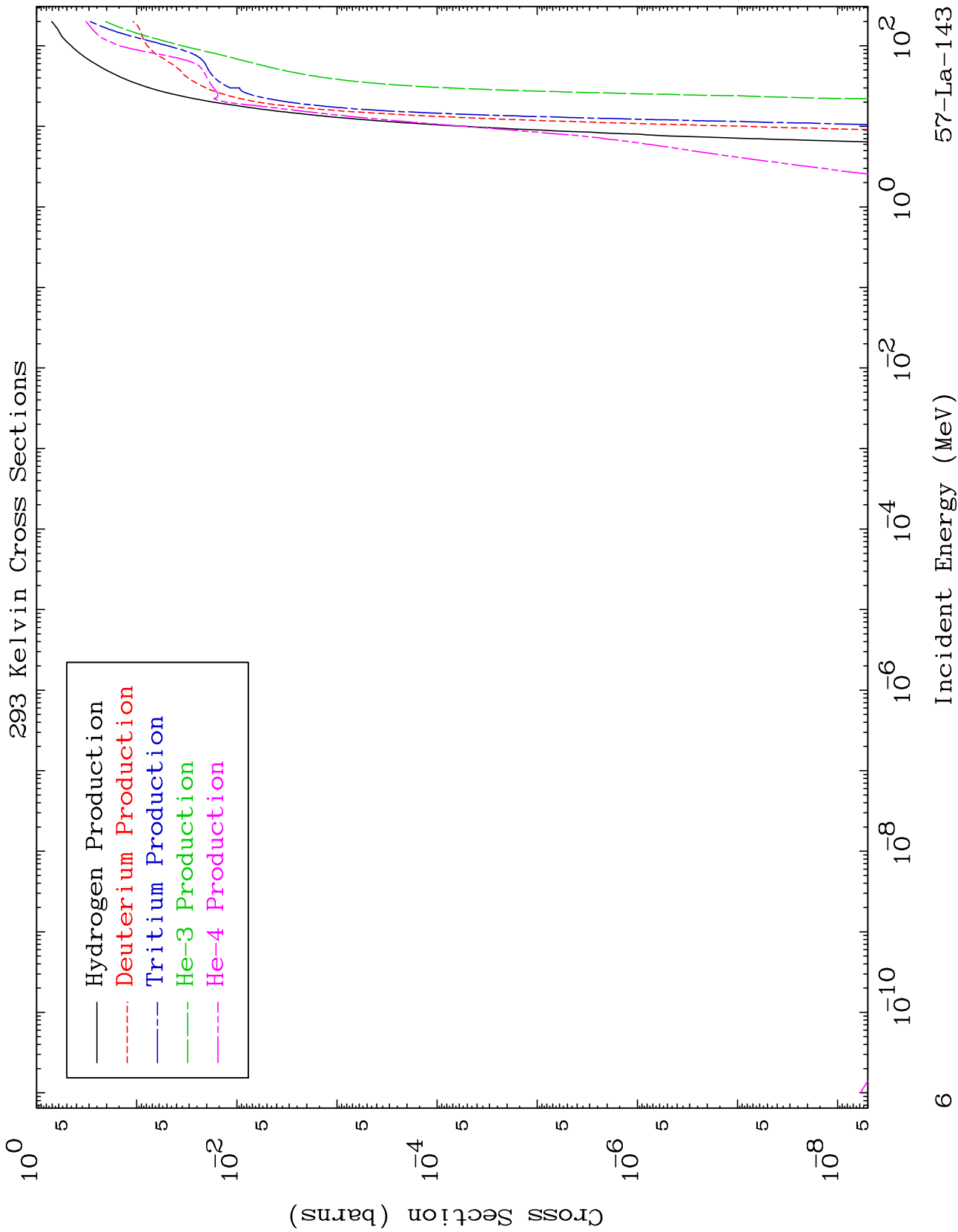
57-La-143



MAT 5740

Particle Production  
293 Kelvin Cross Sections

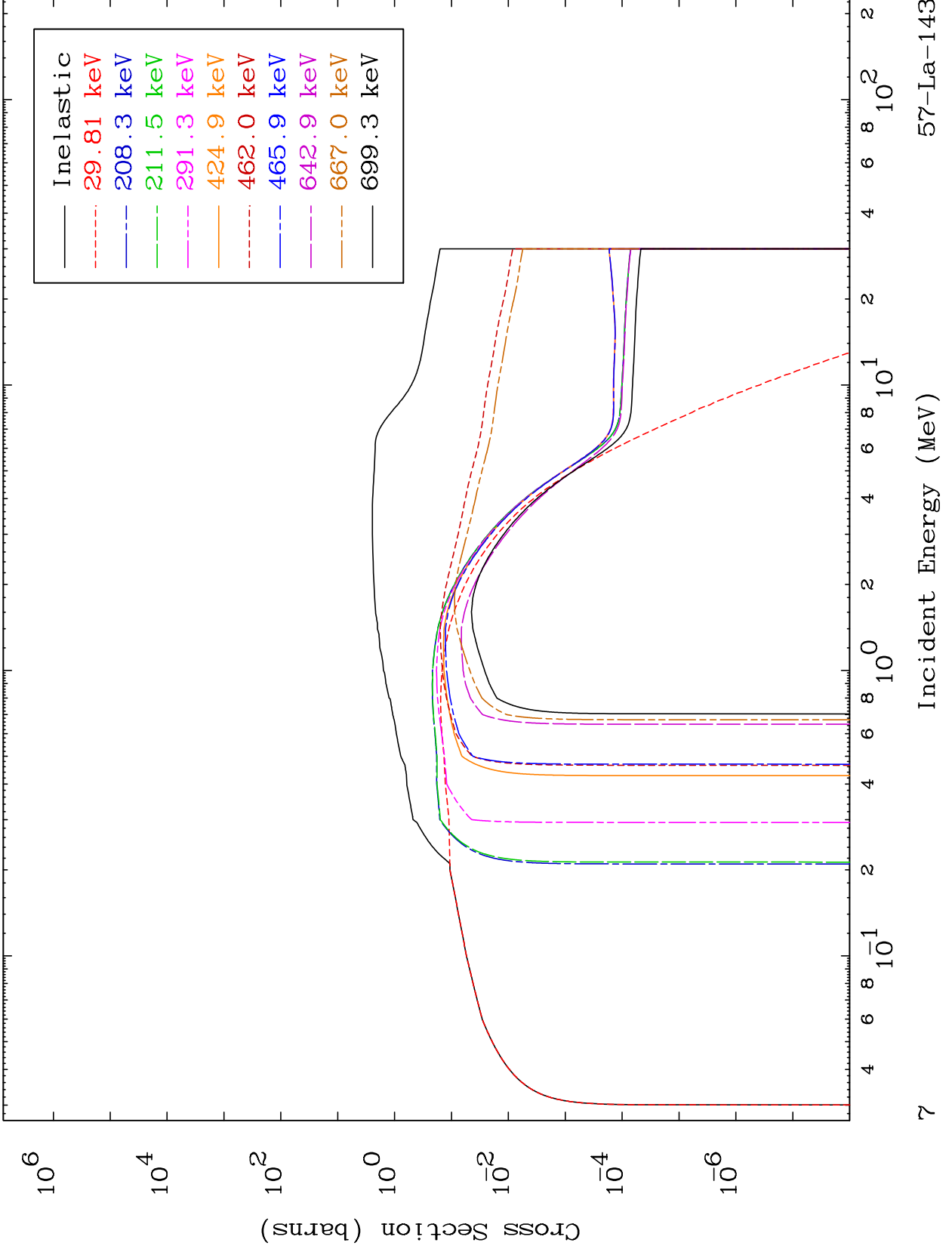
57-La-143



MAT 5740

(n,n') Level  
293 Kelvin Cross Sections

57-La-143

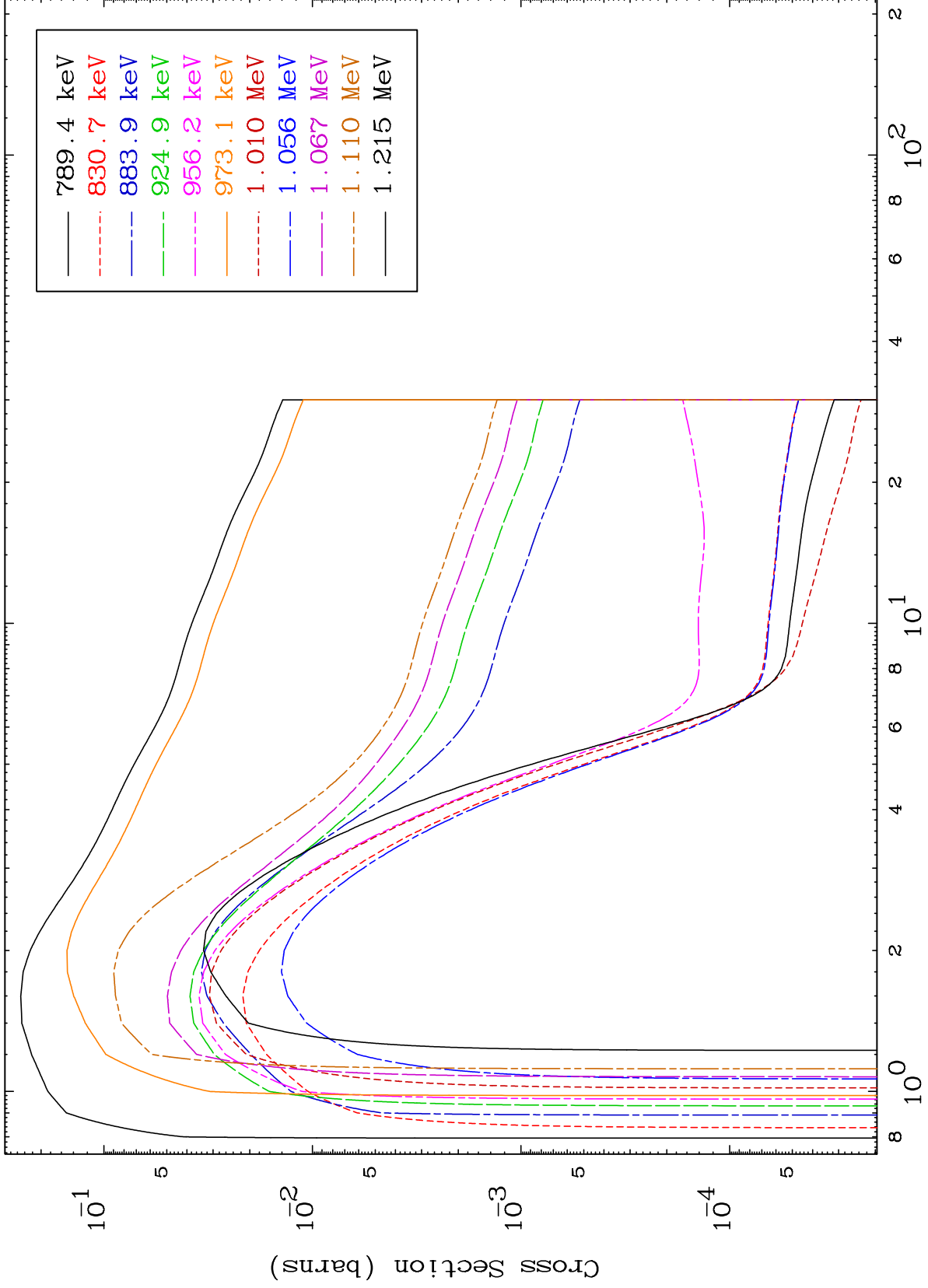




MAT 5740

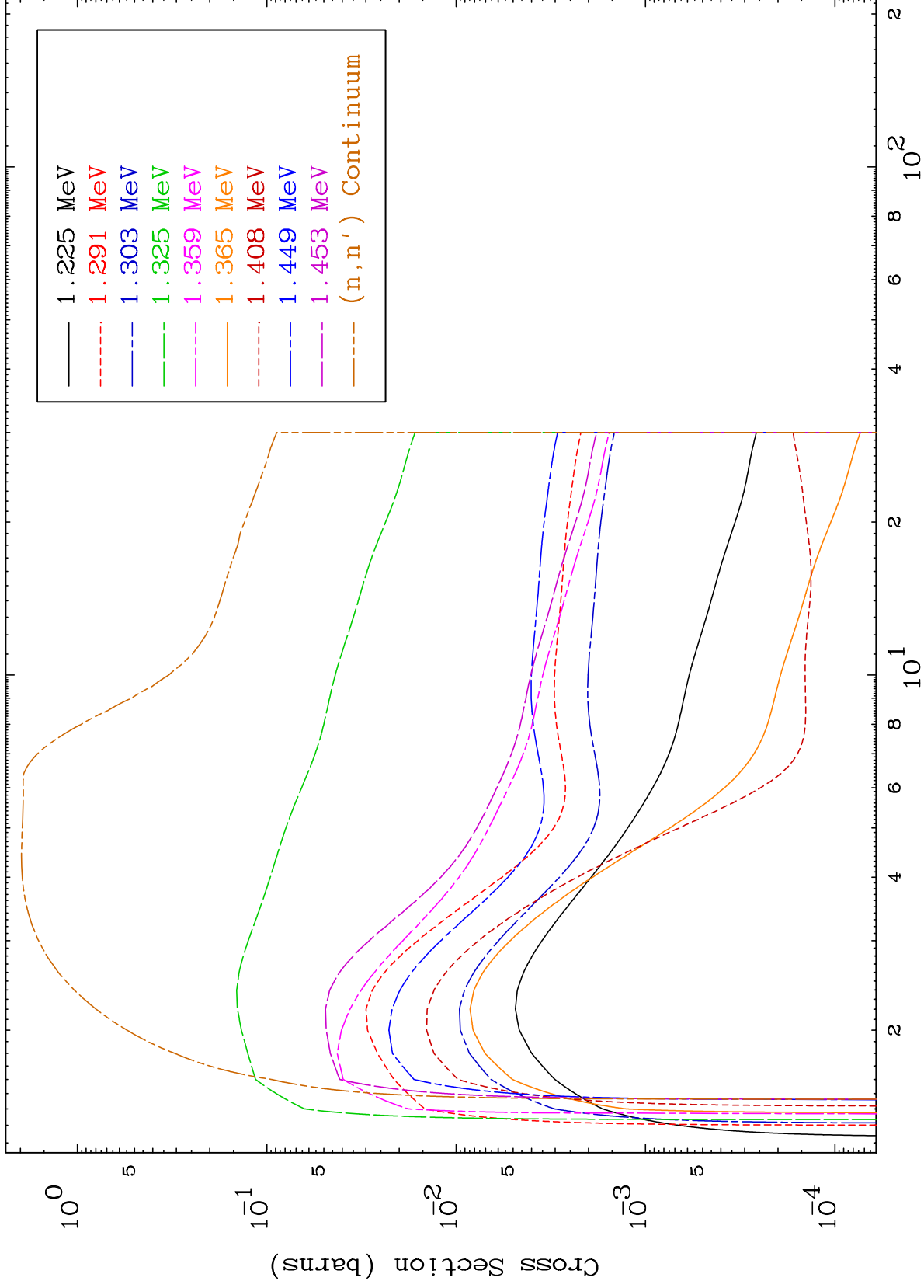
(n,n') Level  
293 Kelvin Cross Sections

57-La-143



Incident Energy (MeV)

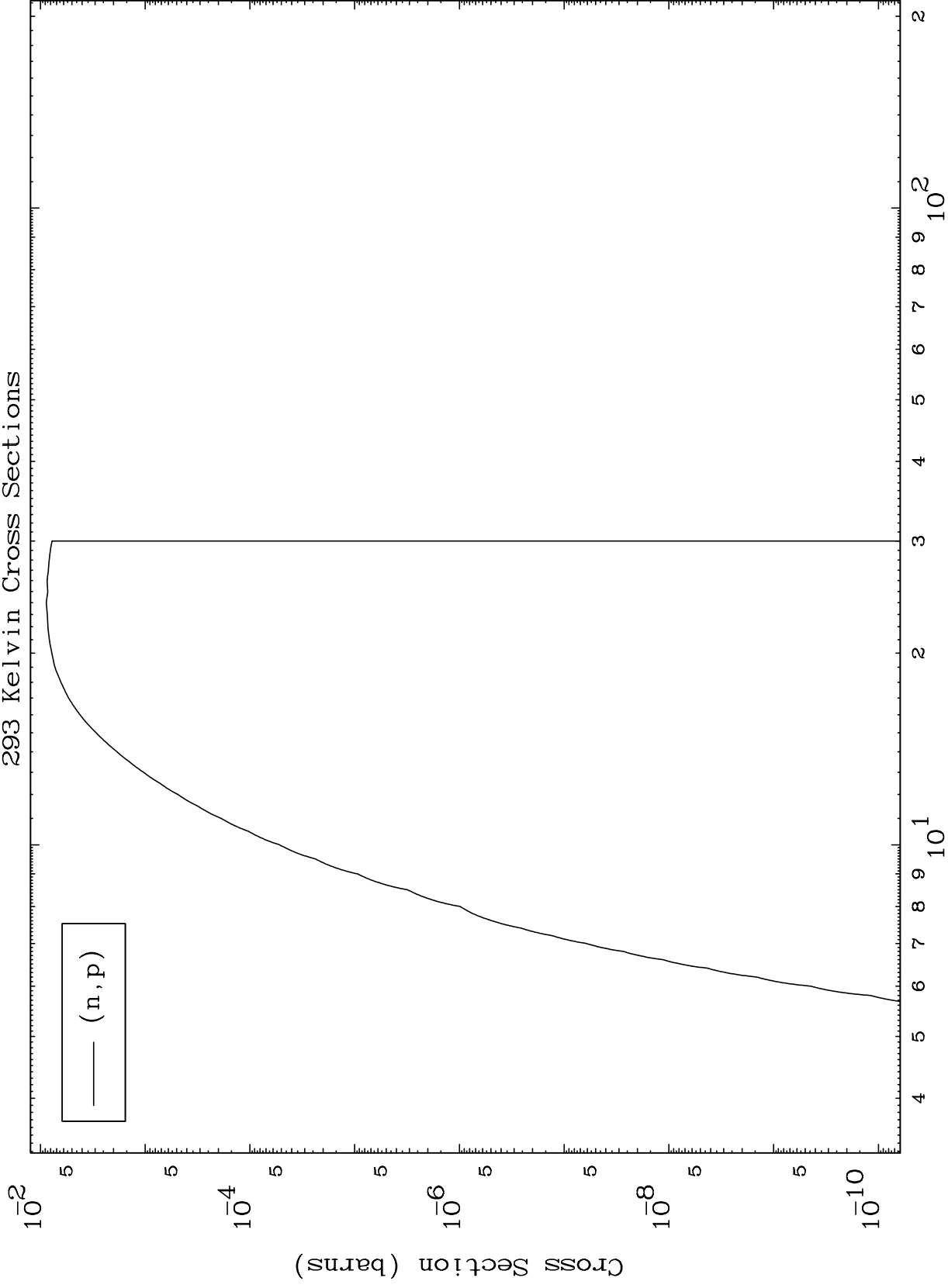
57-La-143



MAT 5740

(n,p) Levels  
293 Kelvin Cross Sections

57-La-143



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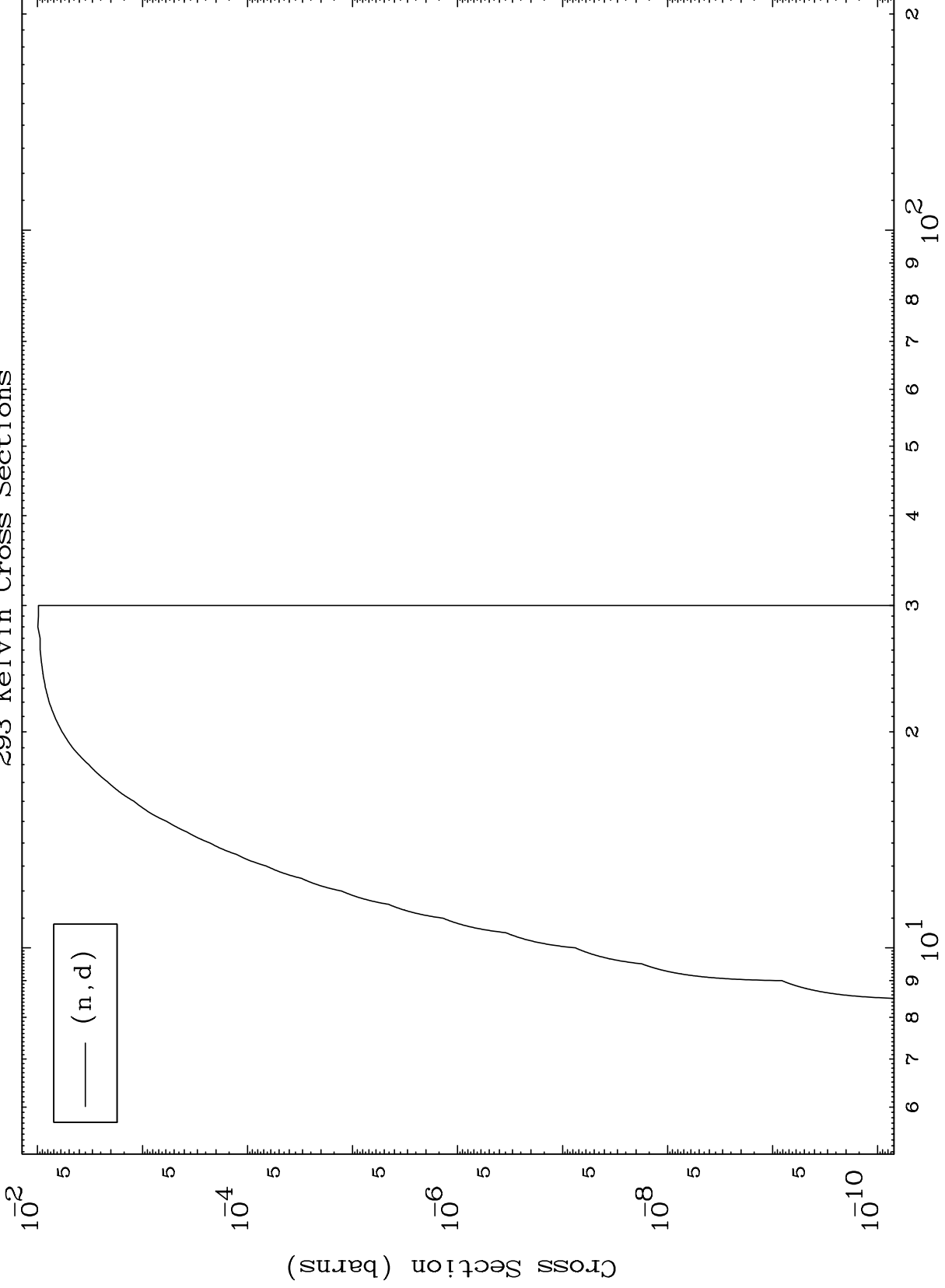
Incident Energy (MeV)

57-La-143

MAT 5740

(n,d) Levels  
293 Kelvin Cross Sections

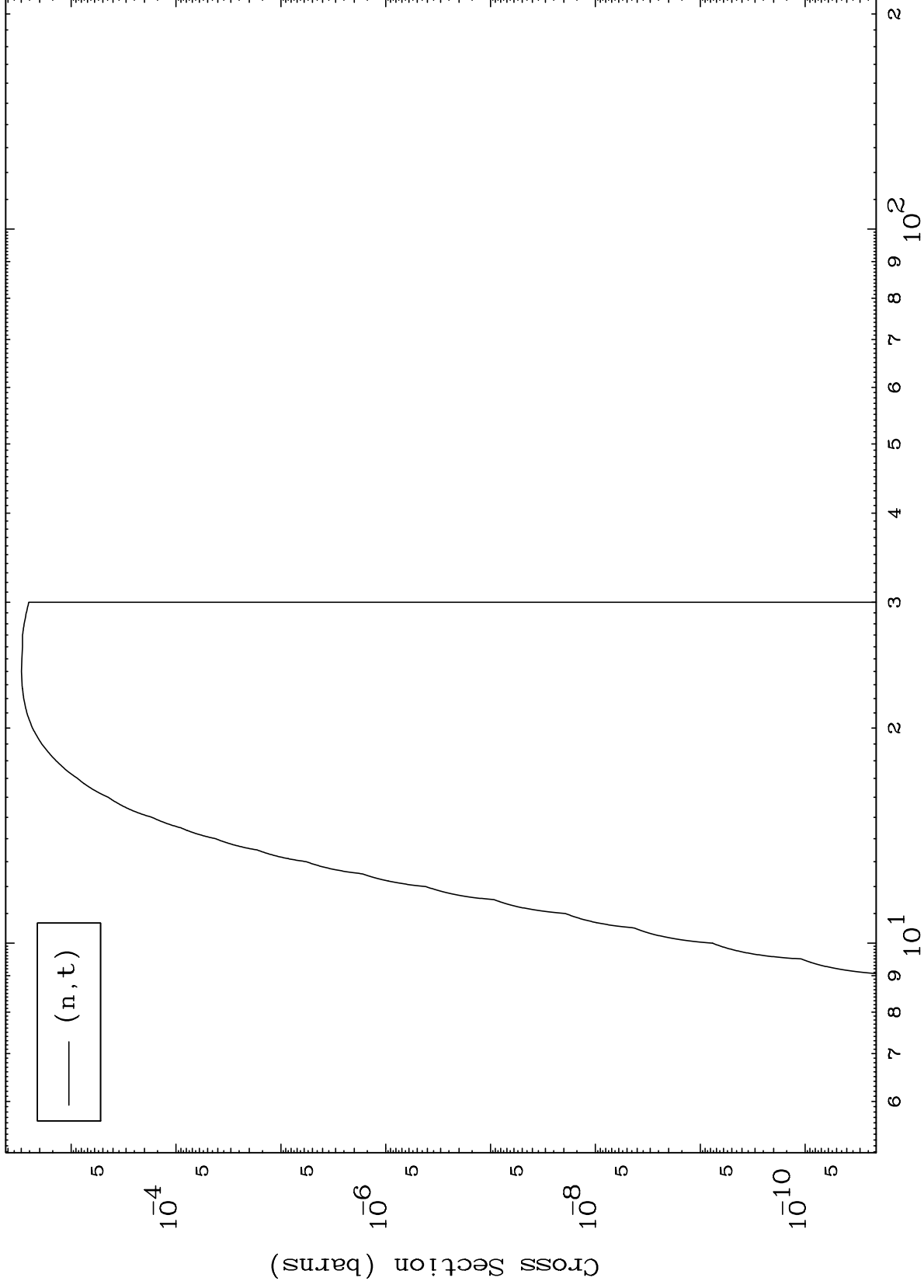
57-La-143



MAT 5740

(n,t) Levels  
293 Kelvin Cross Sections

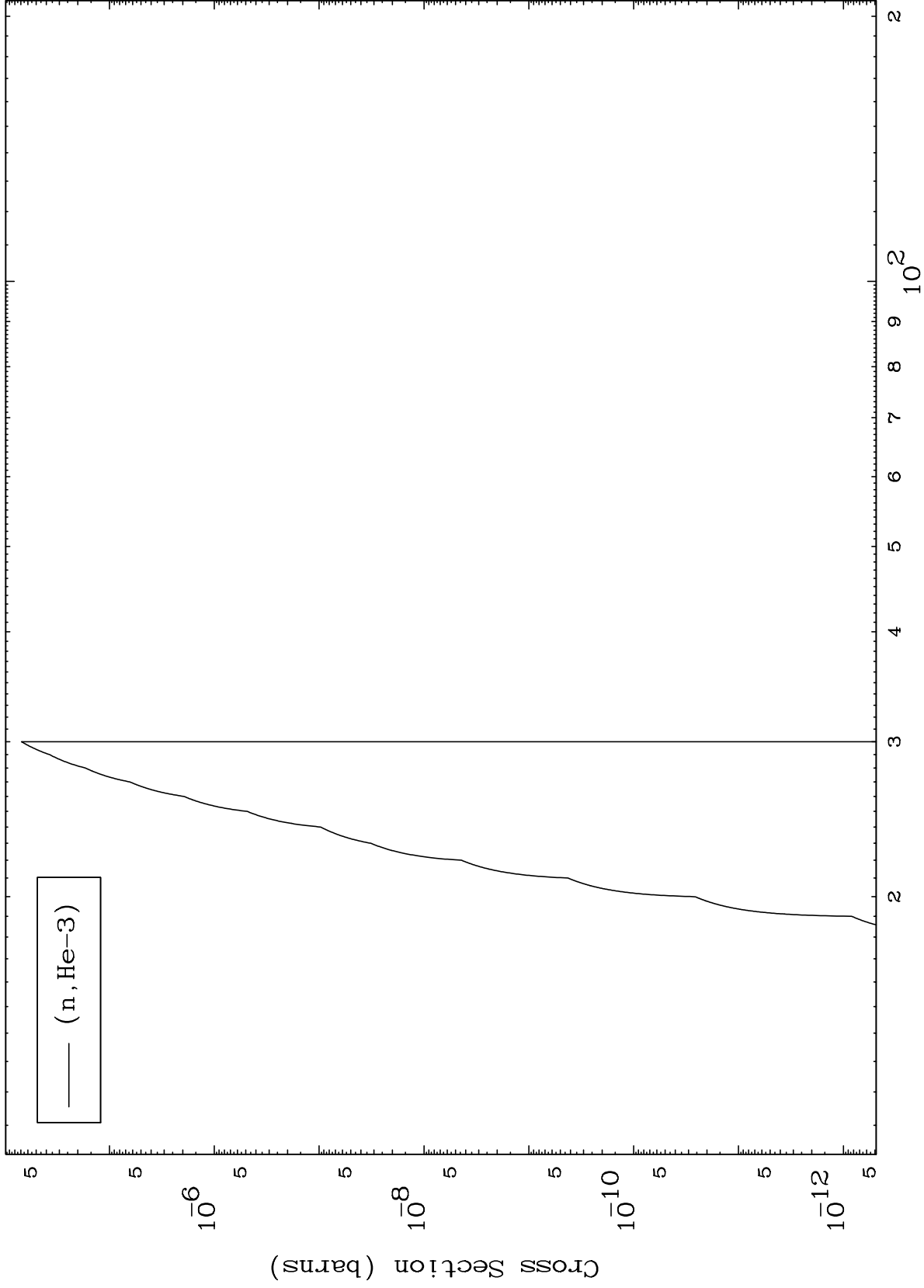
57-La-143



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Incident Energy (MeV)

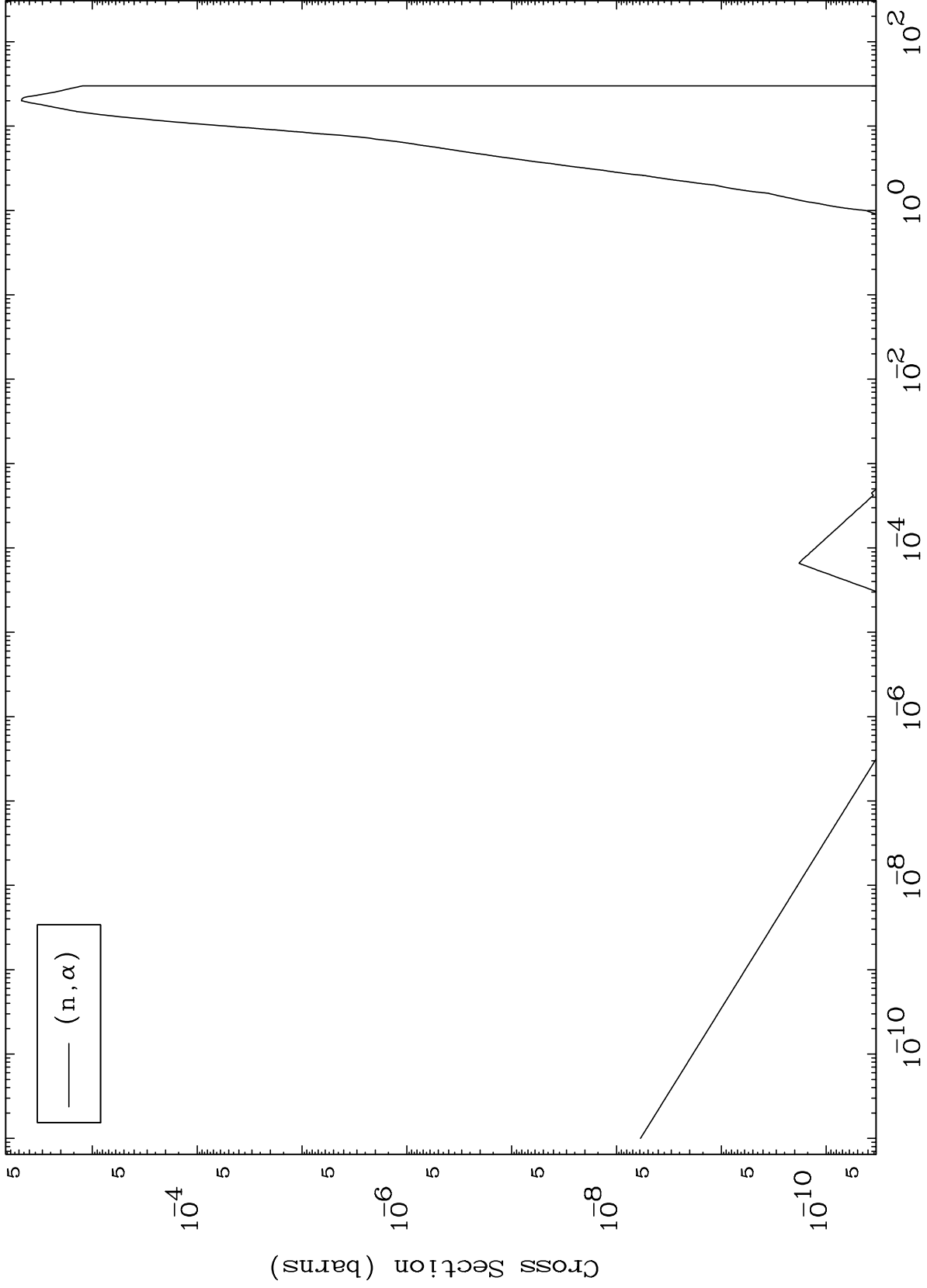
57-La-143



MAT 5740

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

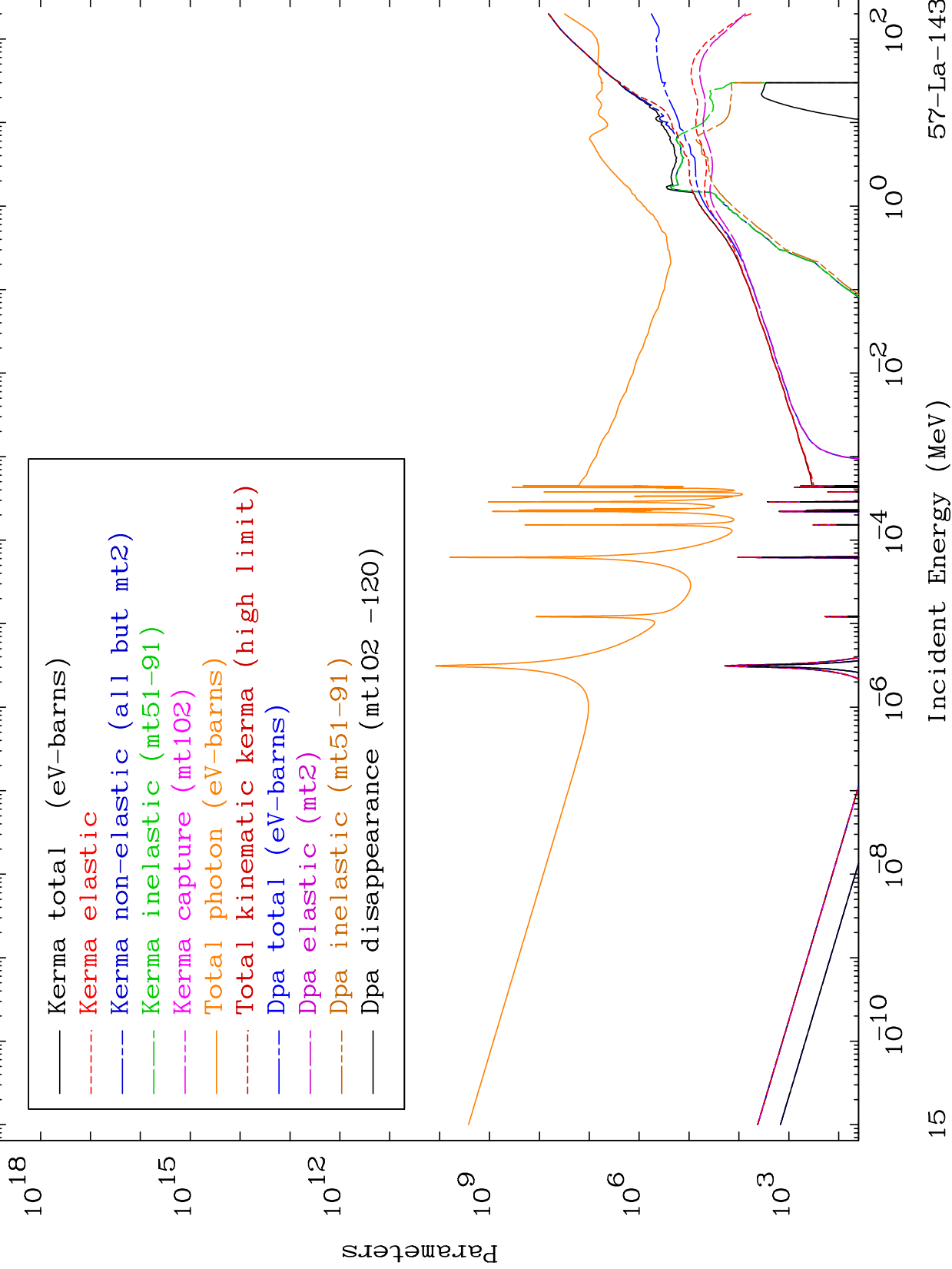
57-La-143



57-La-143

Incident Energy (MeV)

14

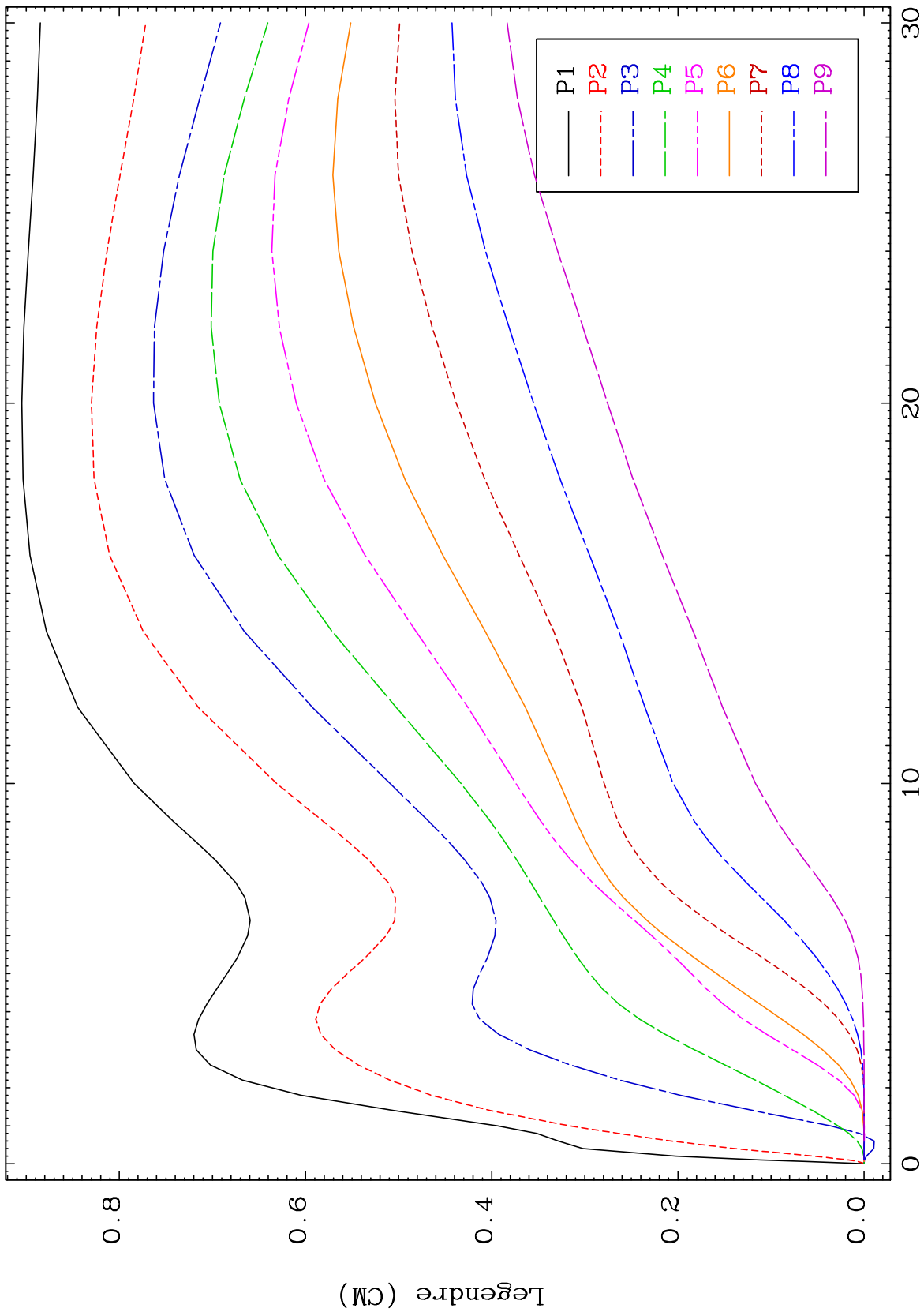




MAT 5740

Elastic Legendre Coefficients

57-La-143



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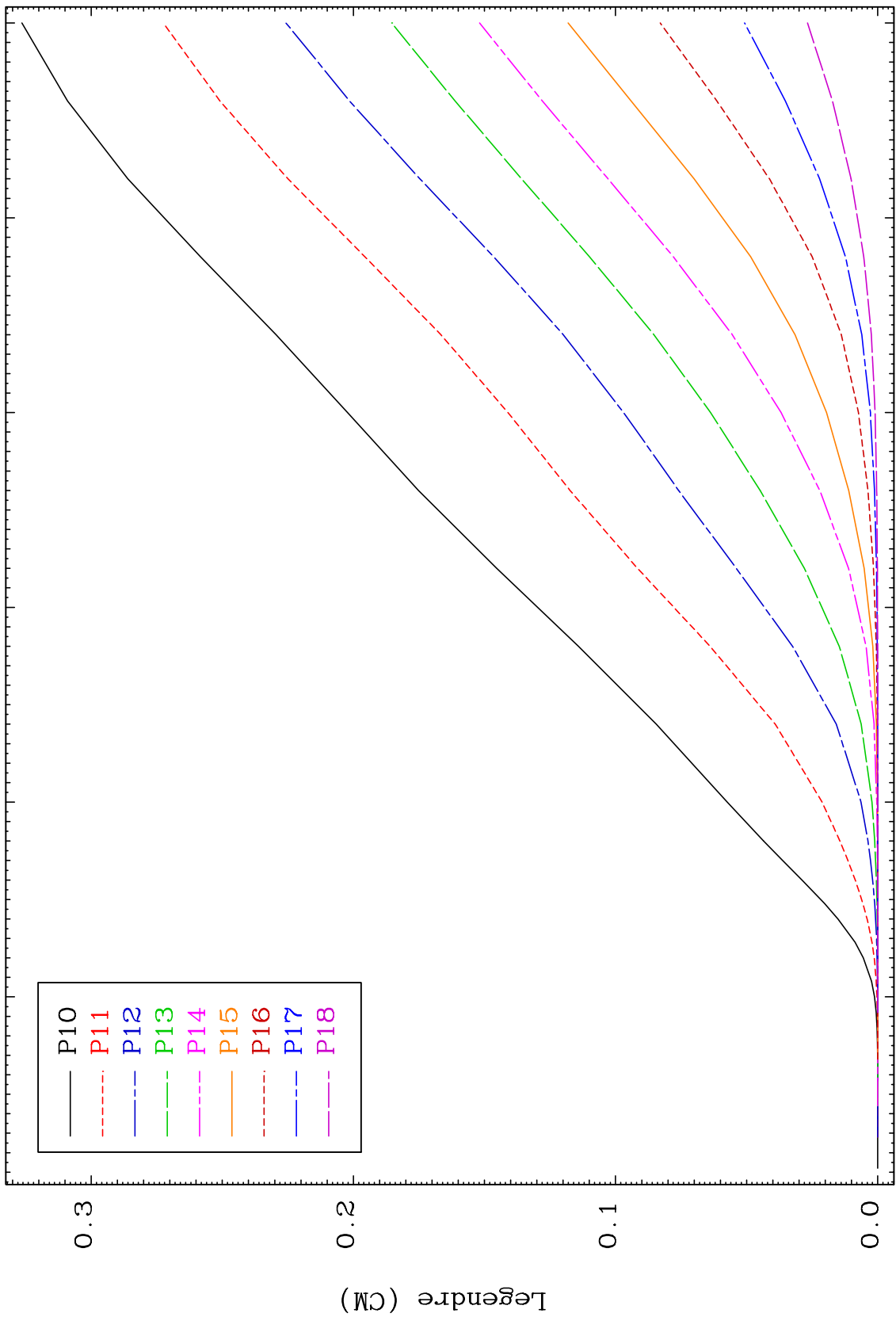
Incident Energy (MeV)

57-La-143

MAT 5740

Elastic Legendre Coefficients

57-La-143



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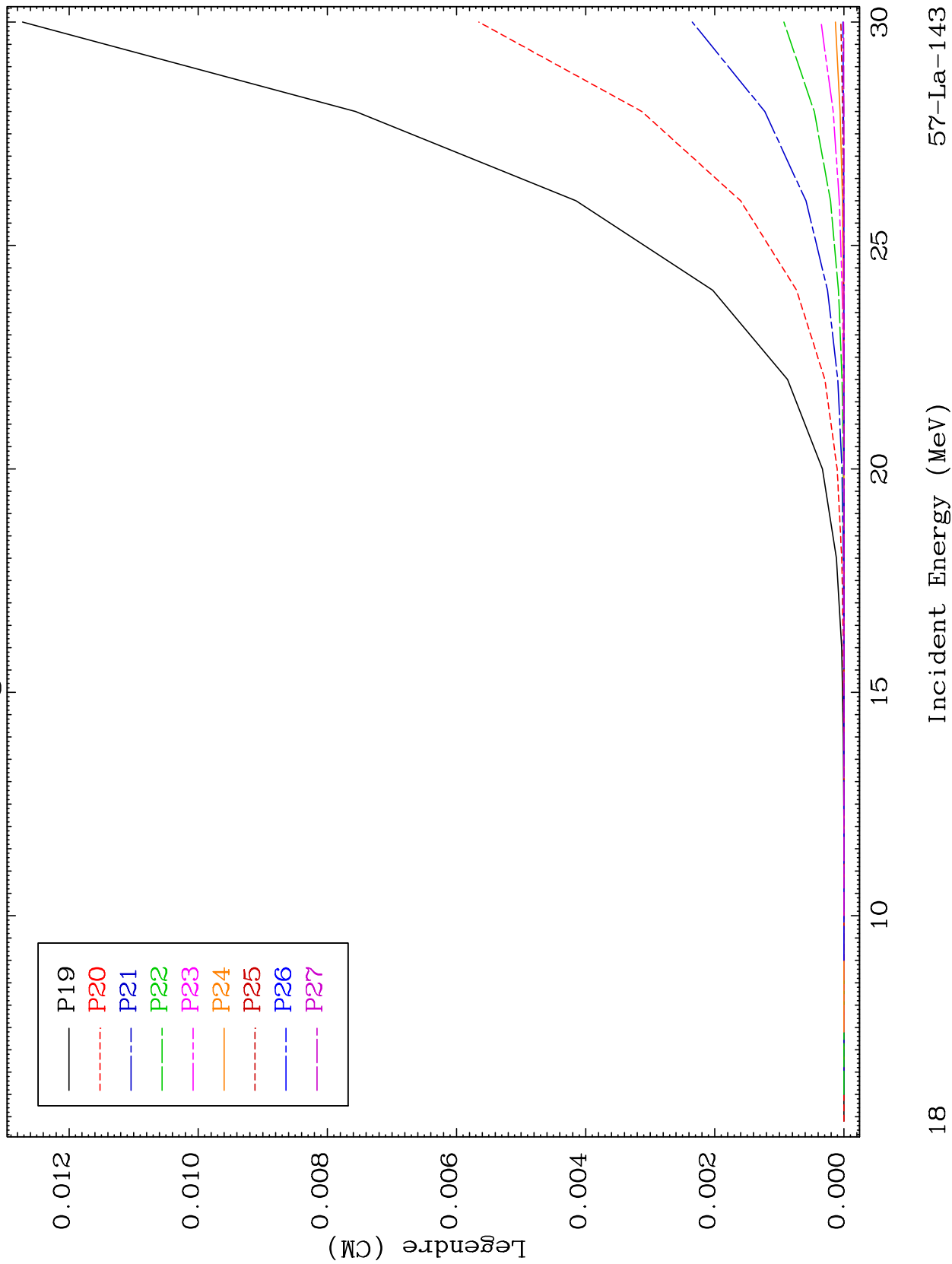
Incident Energy (MeV)

57-La-143

MAT 5740

### Elastic Legendre Coefficients

57-La-143



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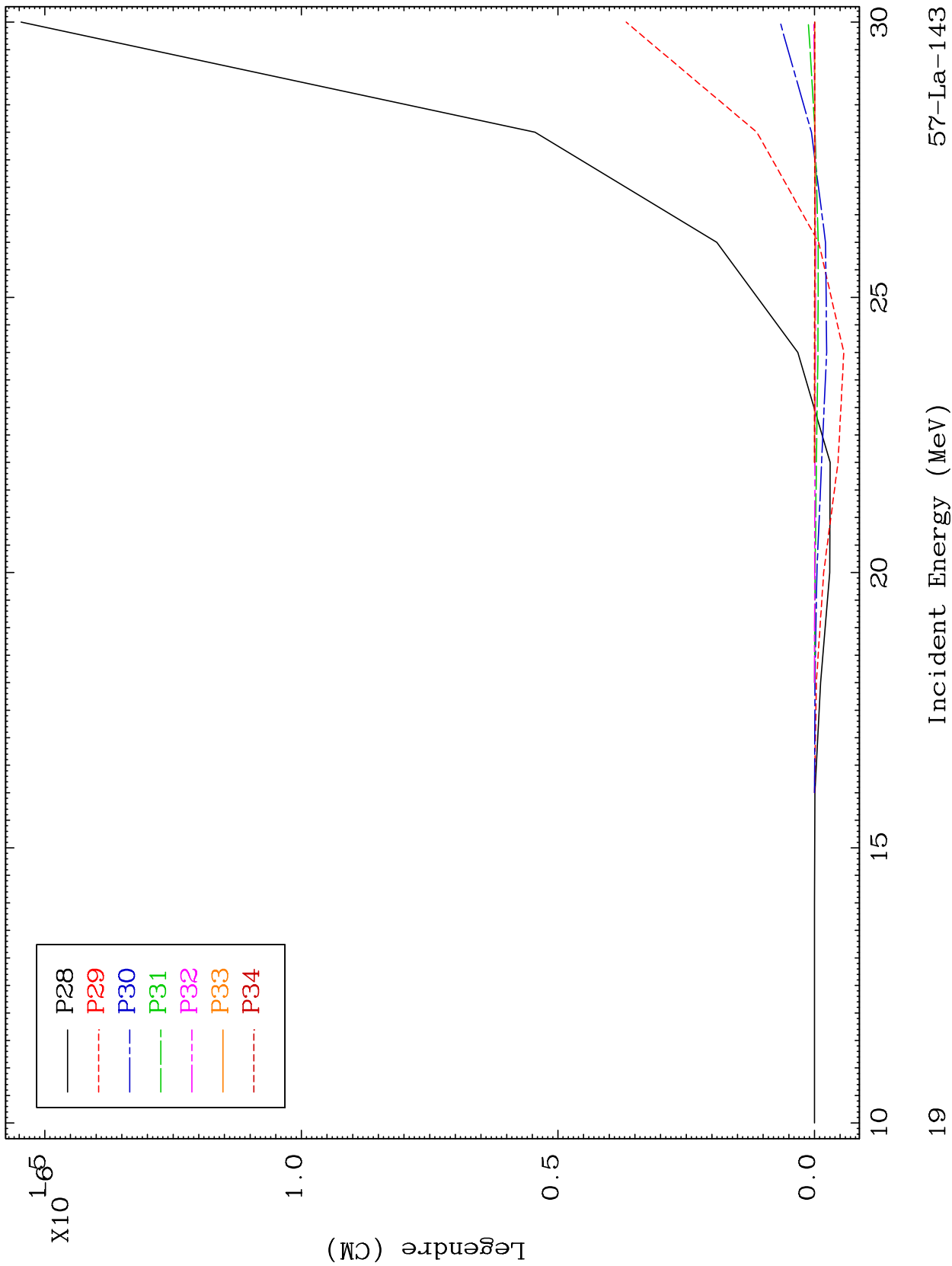
Incident Energy (MeV)

57-La-143

MAT 5740

Elastic  
Legendre Coefficients

57-La-143

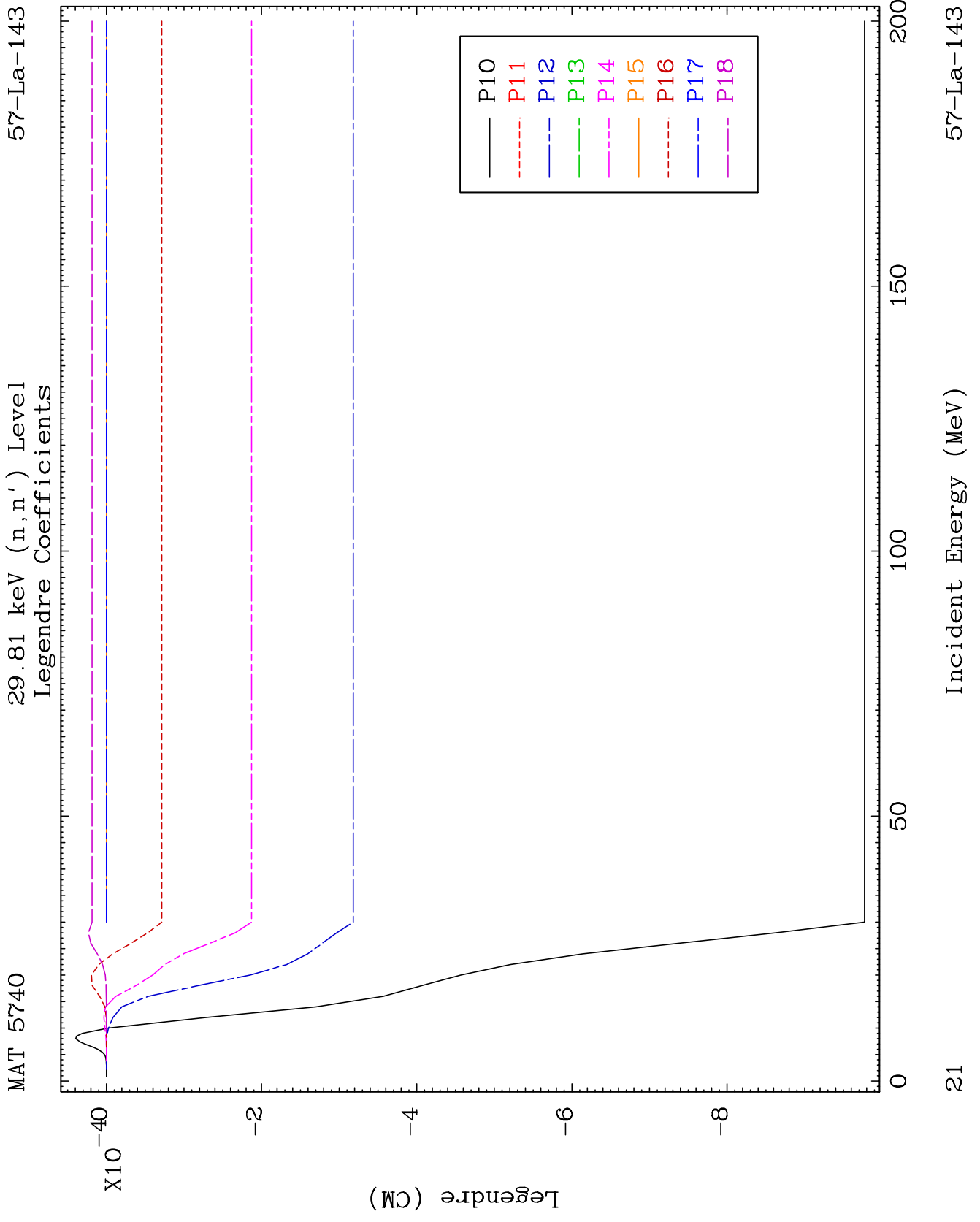


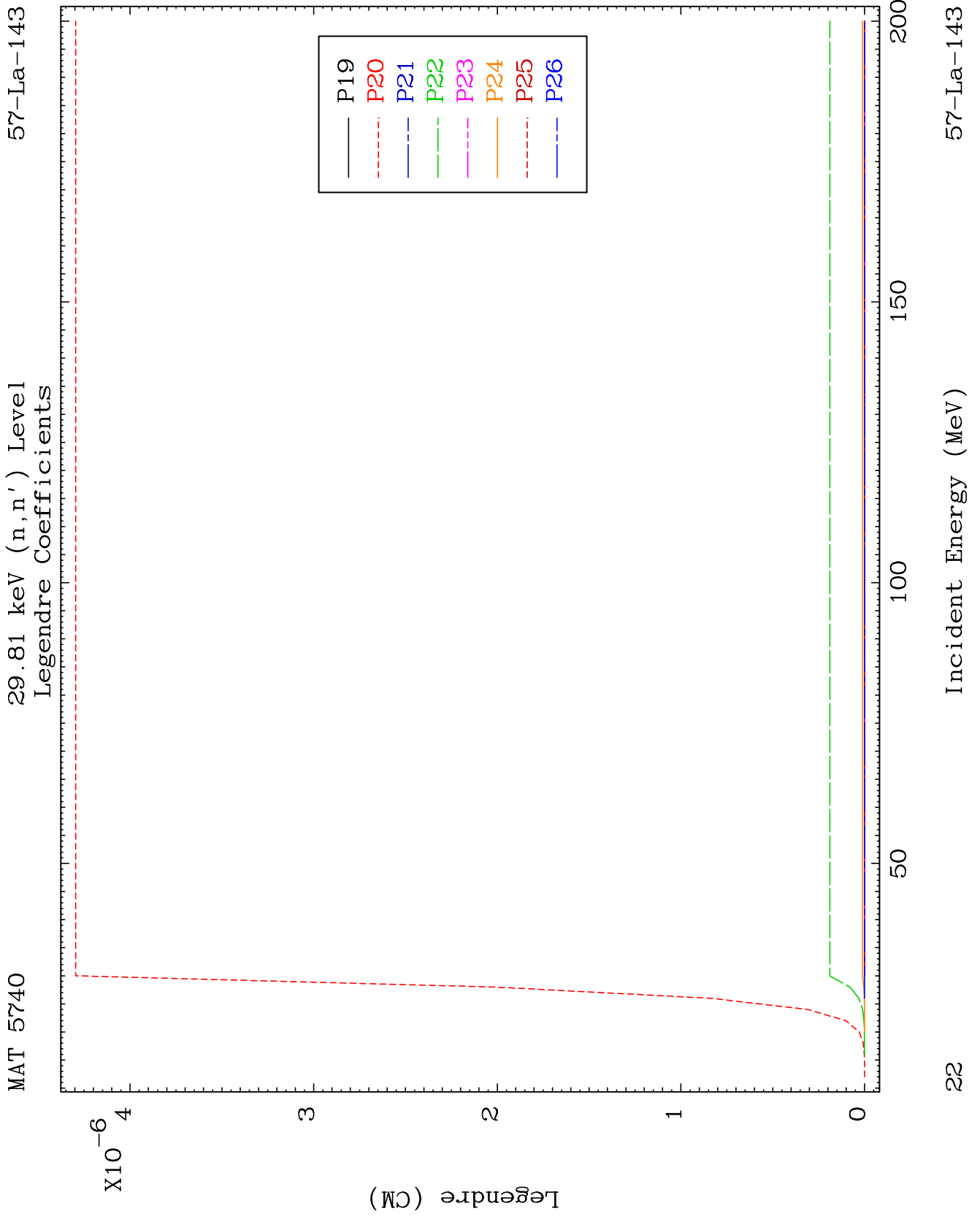
19

Incident Energy (MeV)

57-La-143



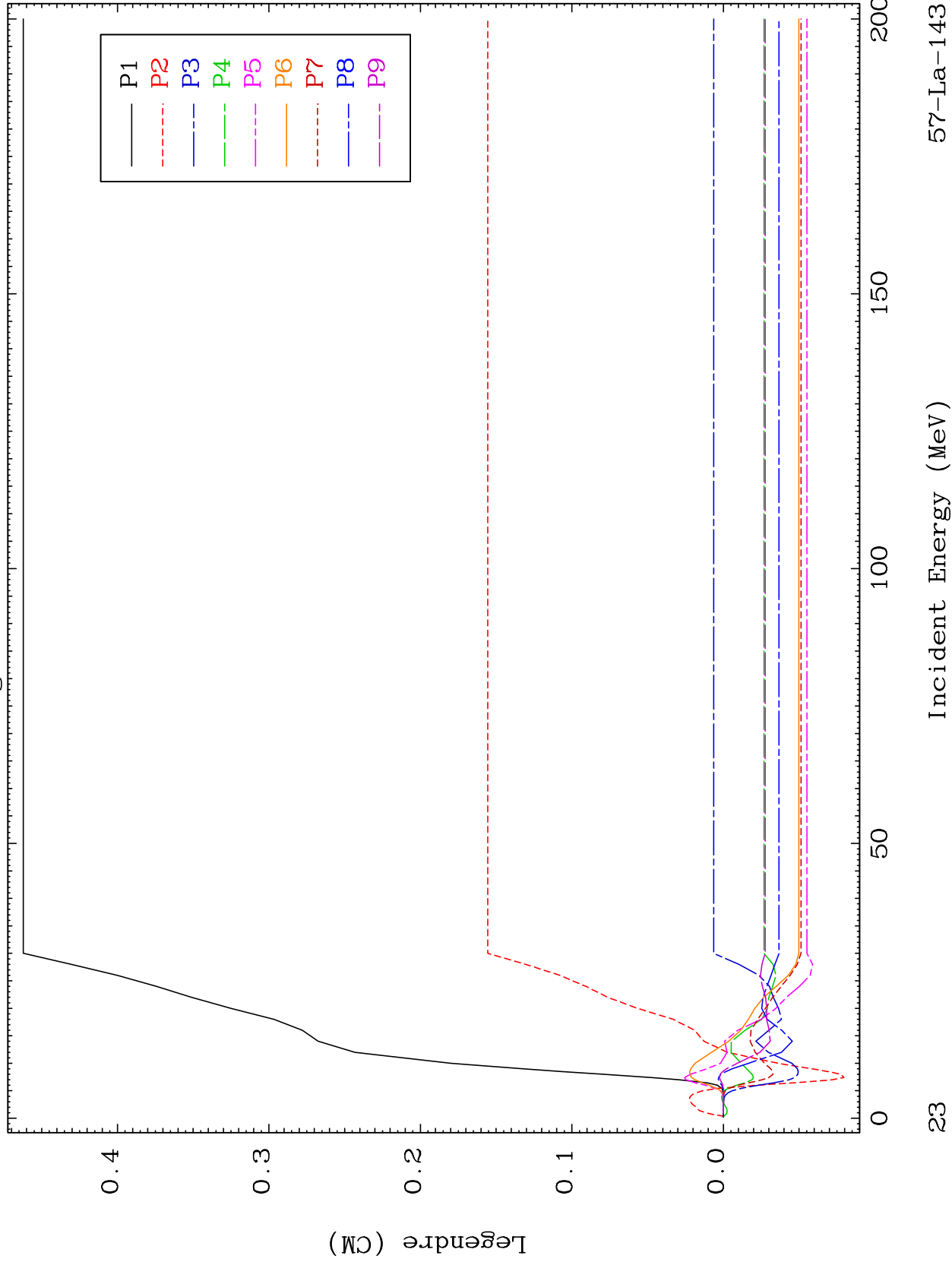




MAT 5740

208.3 keV (n,n') Level  
Legendre Coefficients

57-La-143



57-La-143

Incident Energy (MeV)

23

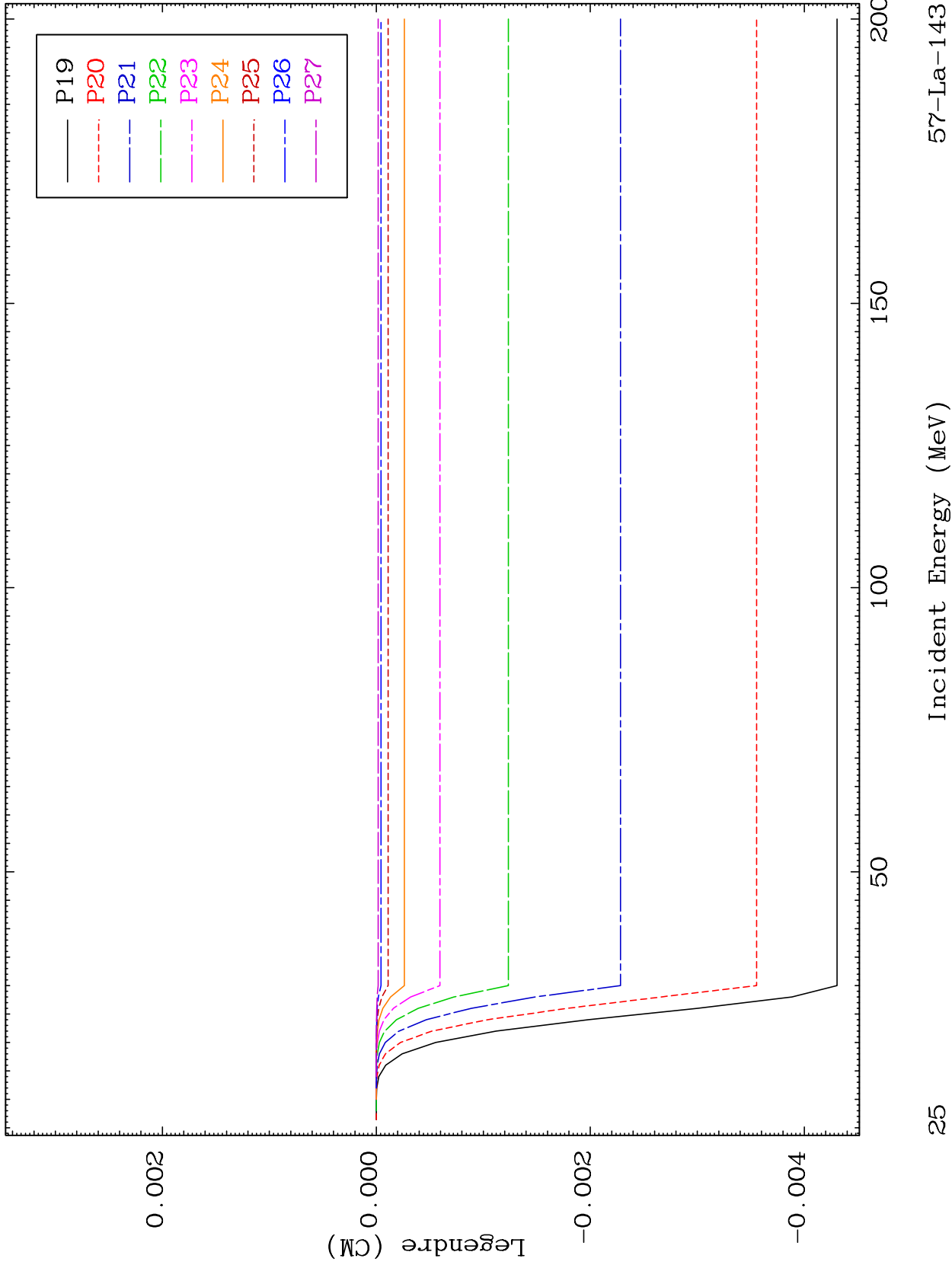




MAT 5740

208.3 keV (n,n') Level  
Legendre Coefficients

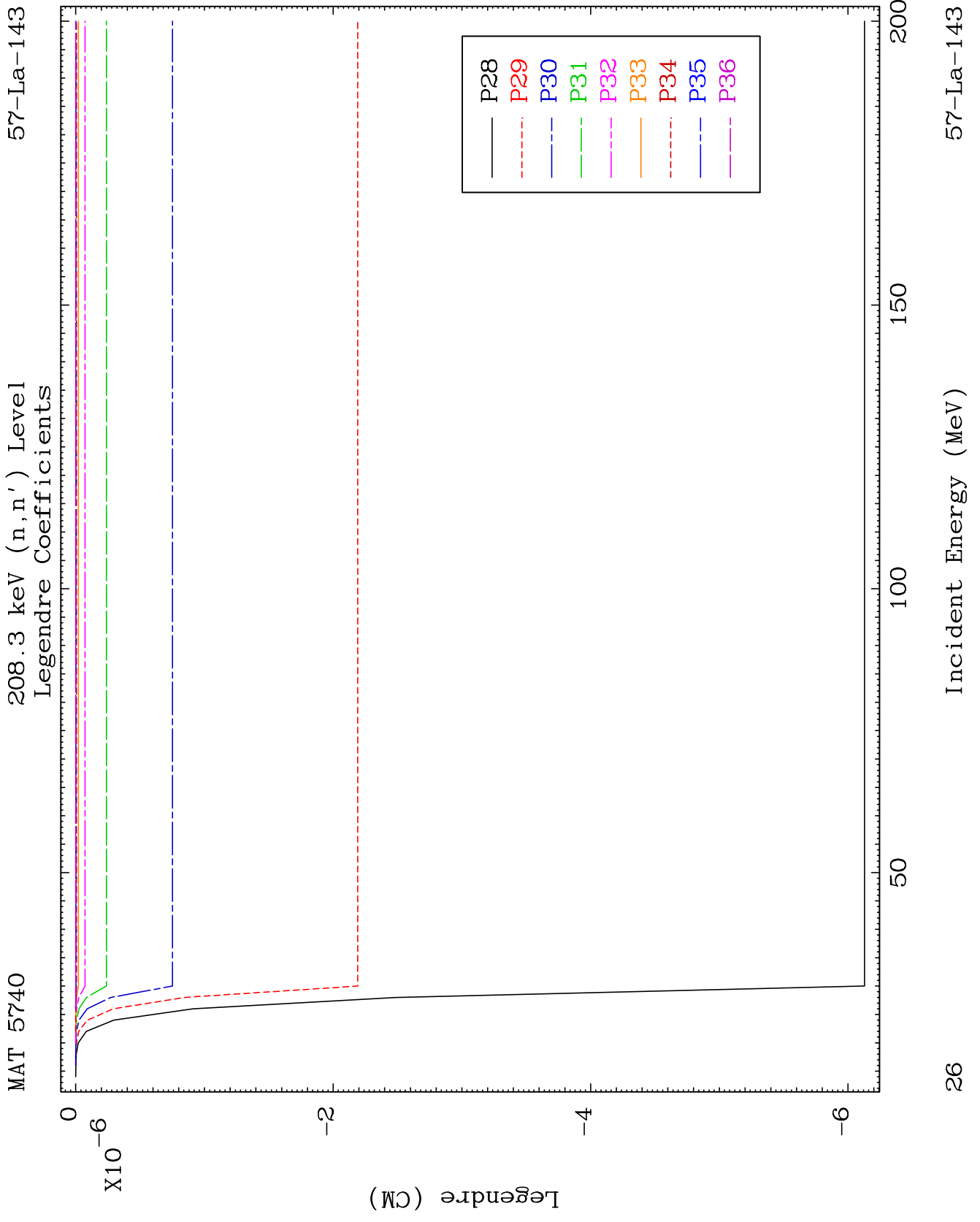
57-La-143

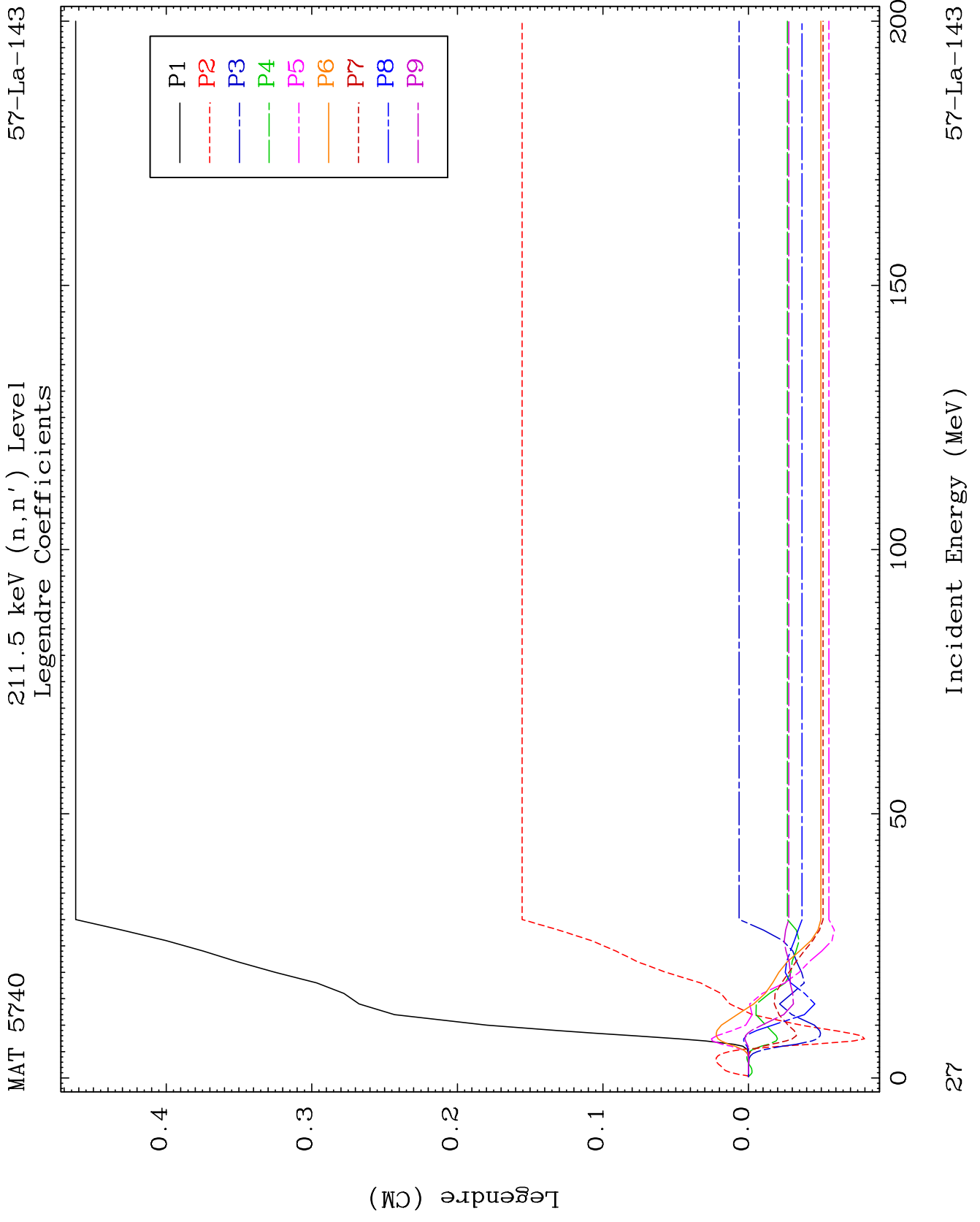


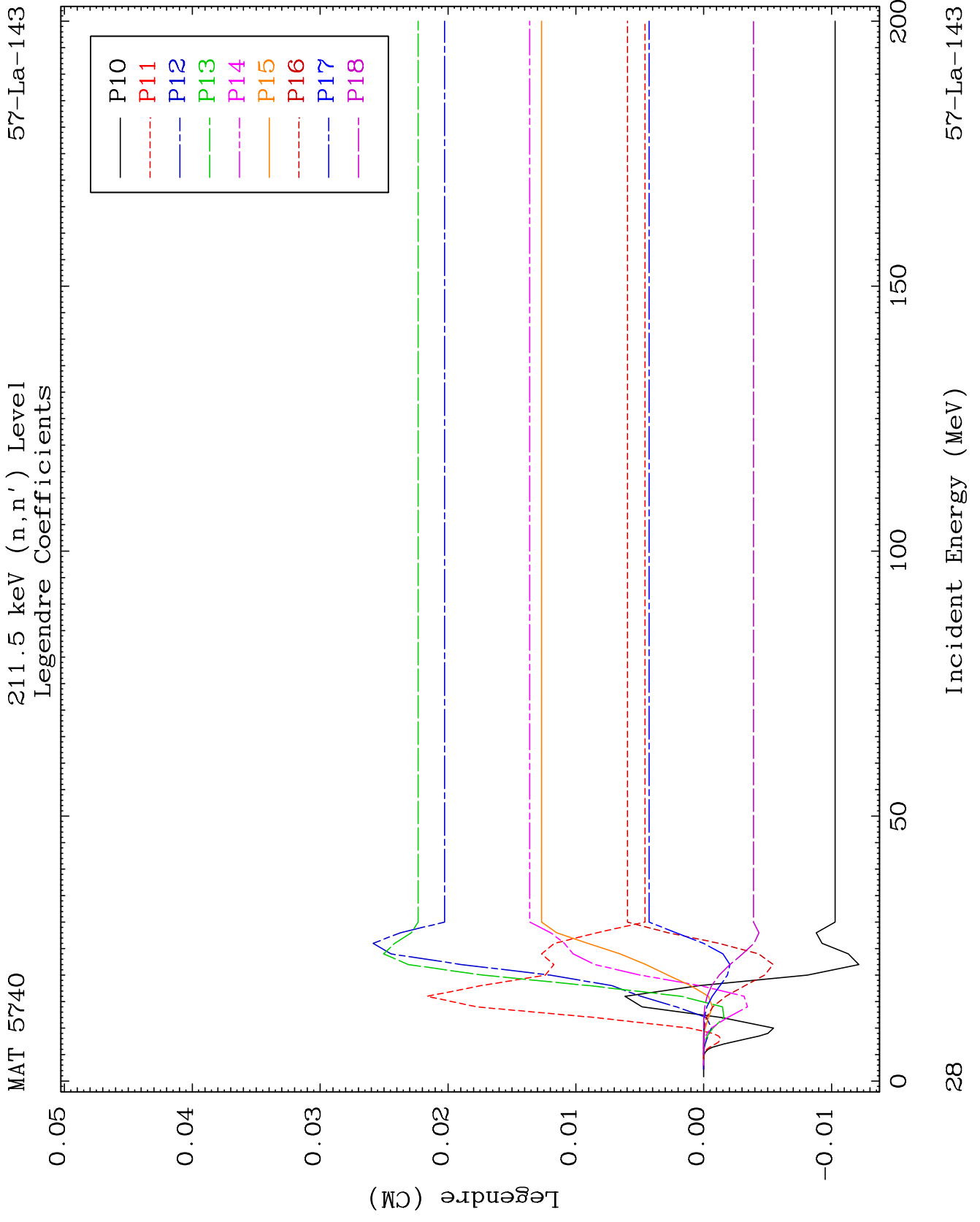
25

Incident Energy (MeV)

57-La-143



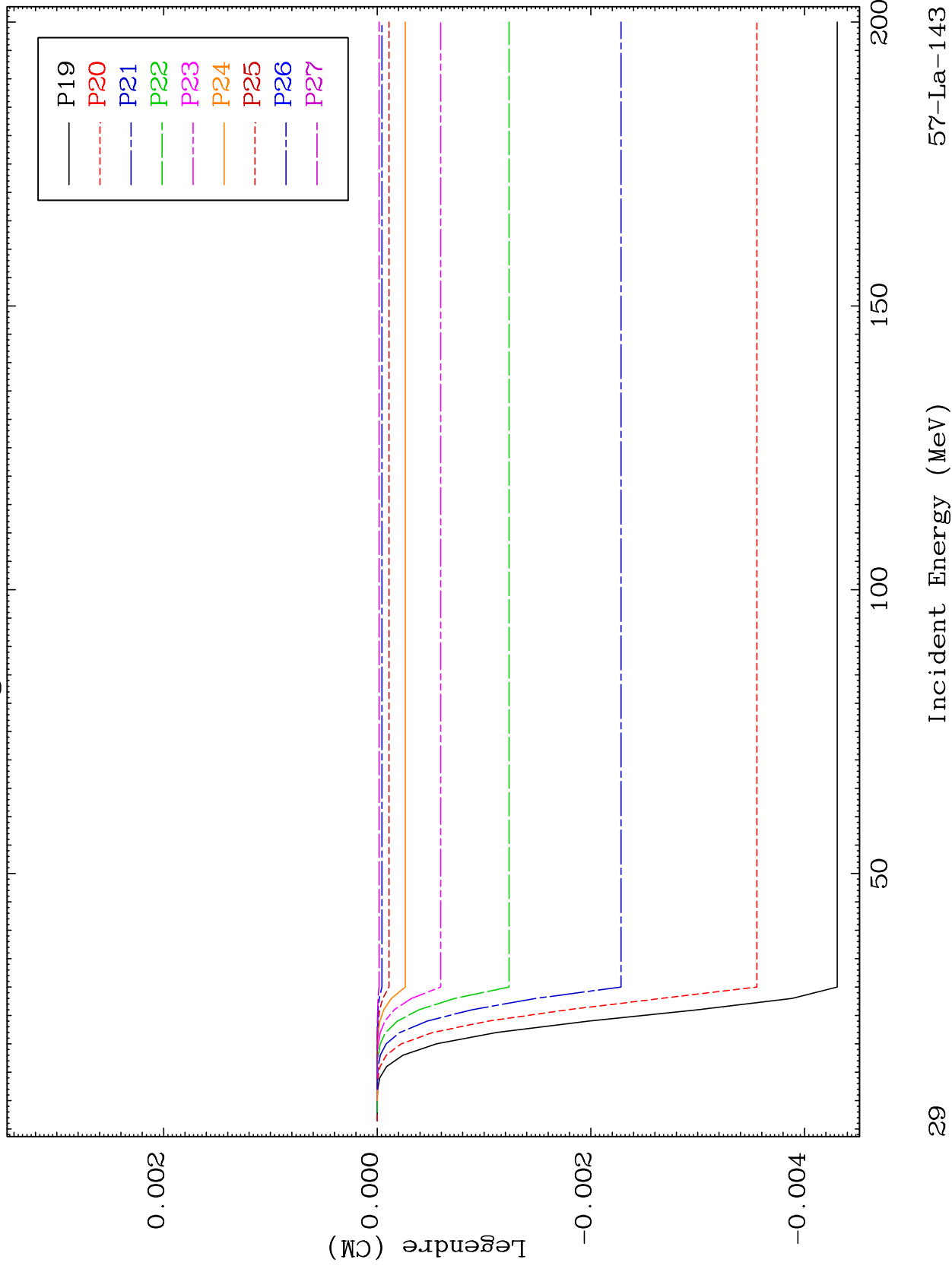




MAT 5740

211.5 keV (n,n') Level  
Legendre Coefficients

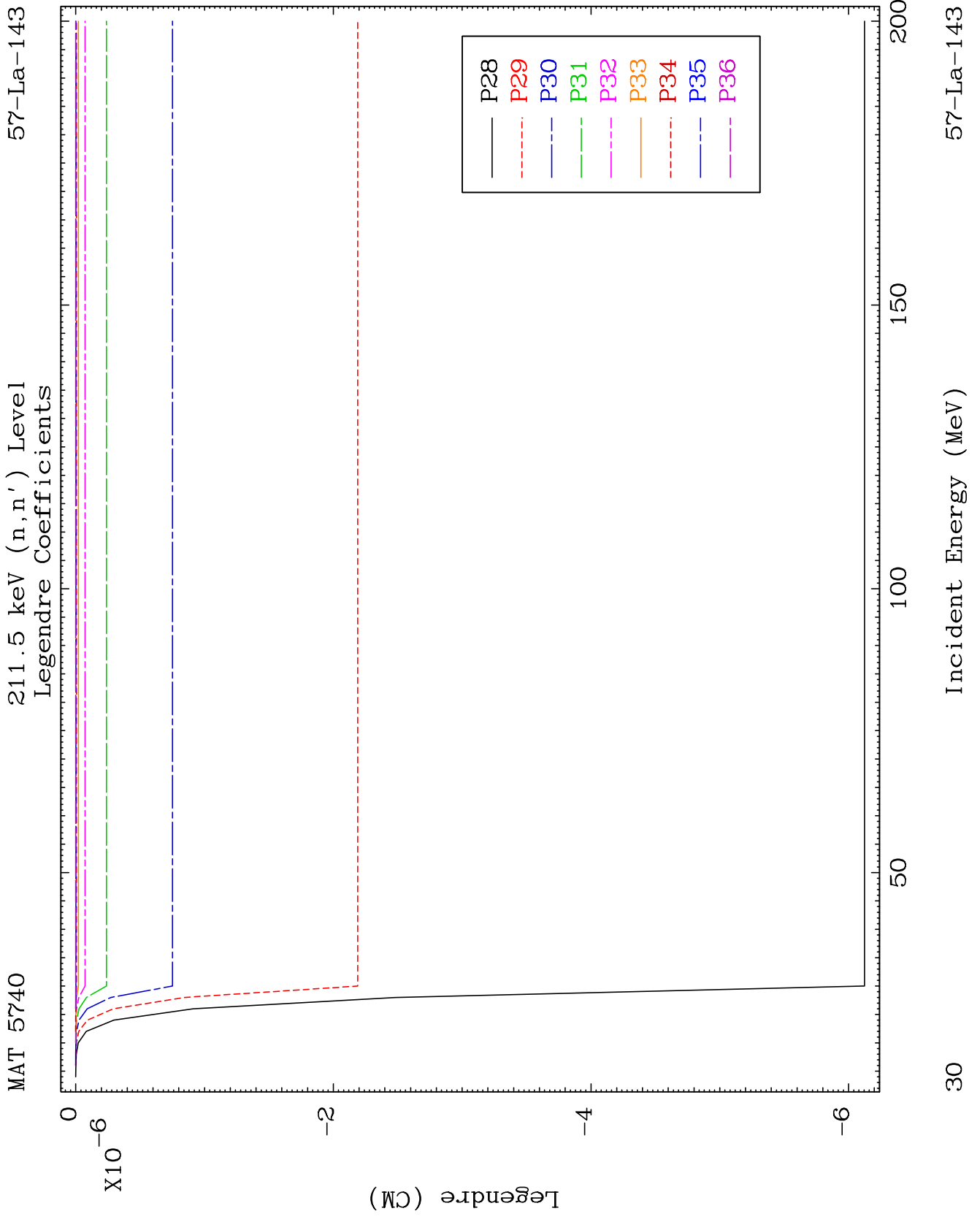
57-La-143



29

Incident Energy (MeV)

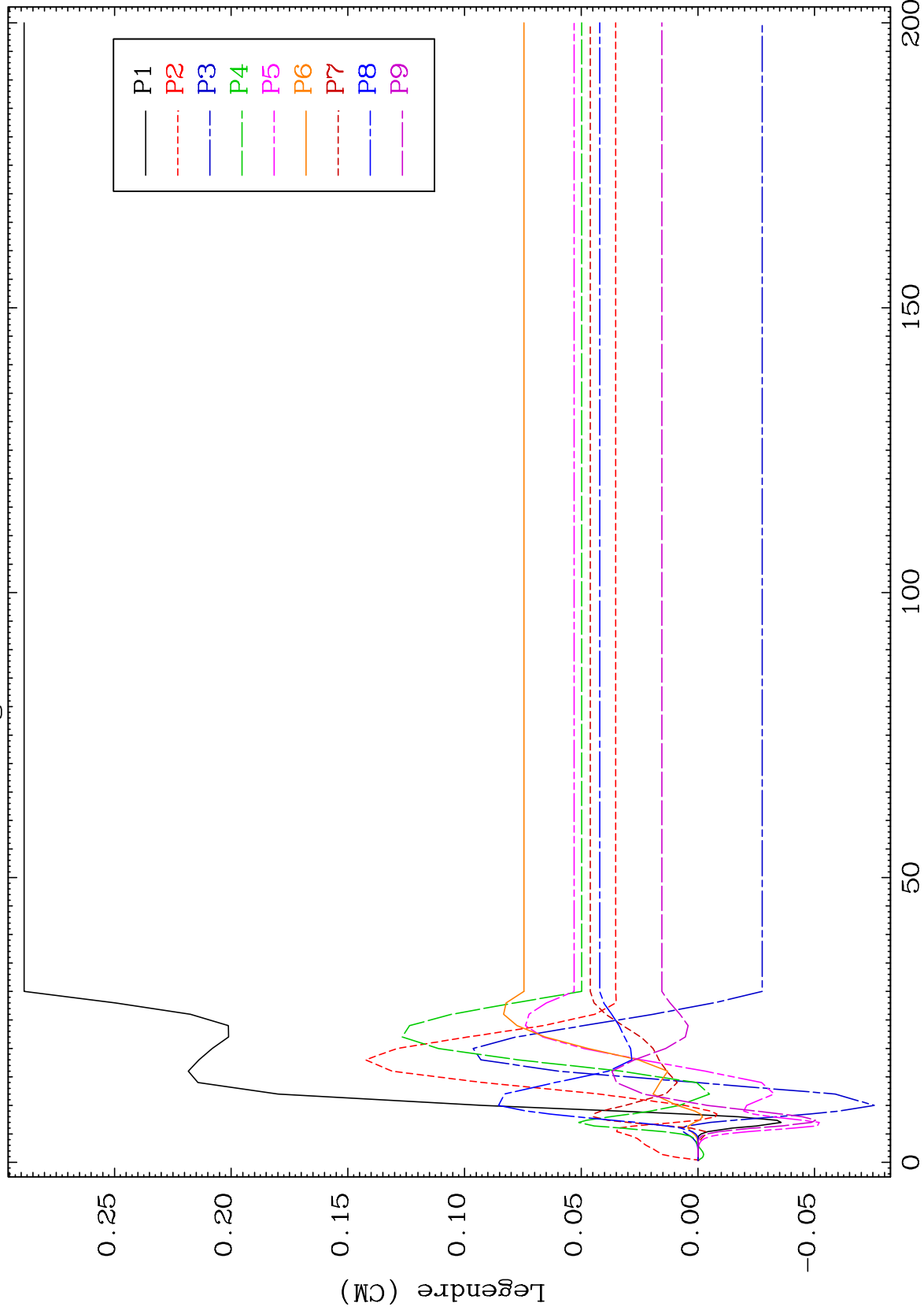
57-La-143



MAT 5740

291.3 keV (n,n') Level  
Legendre Coefficients

57-La-143

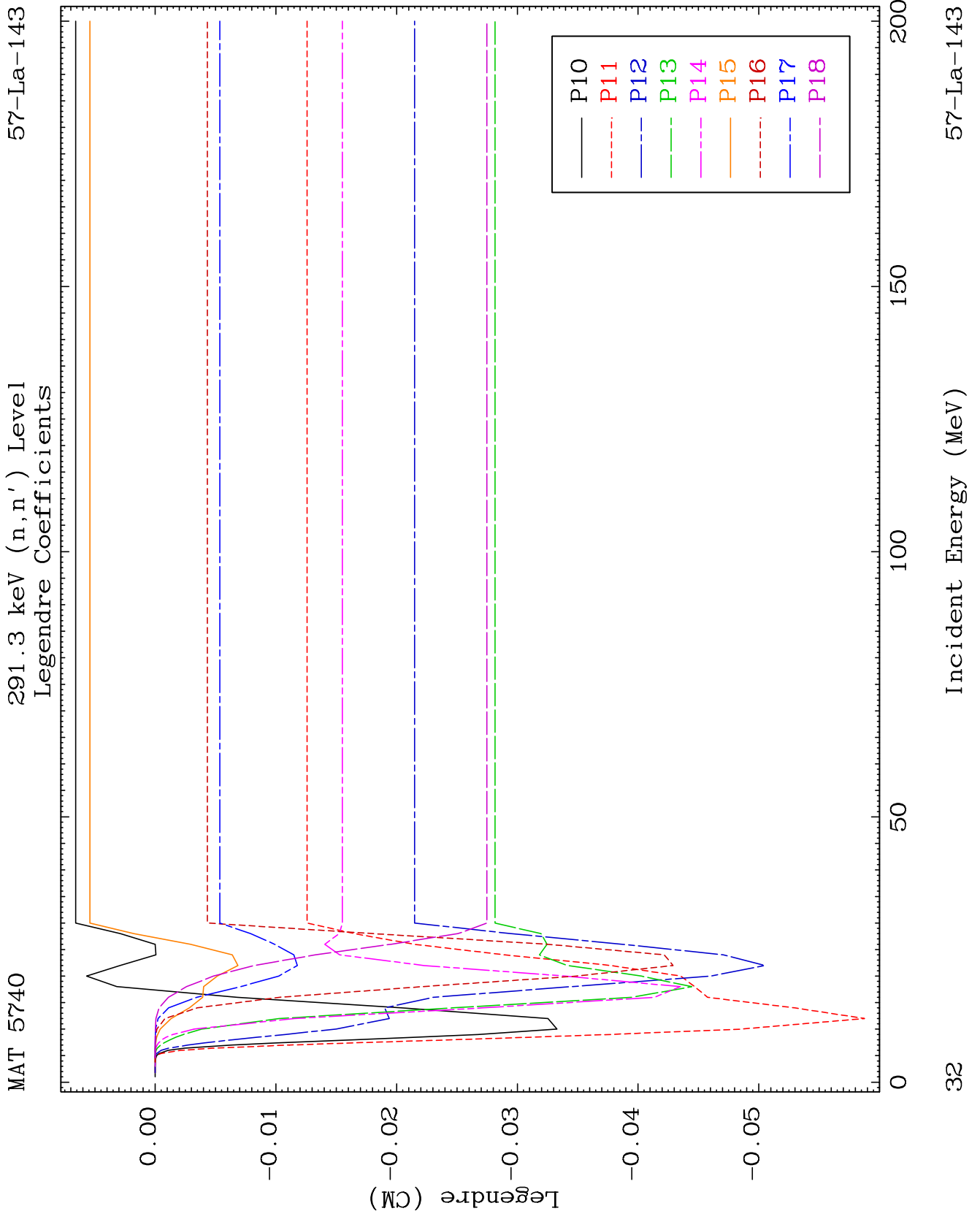


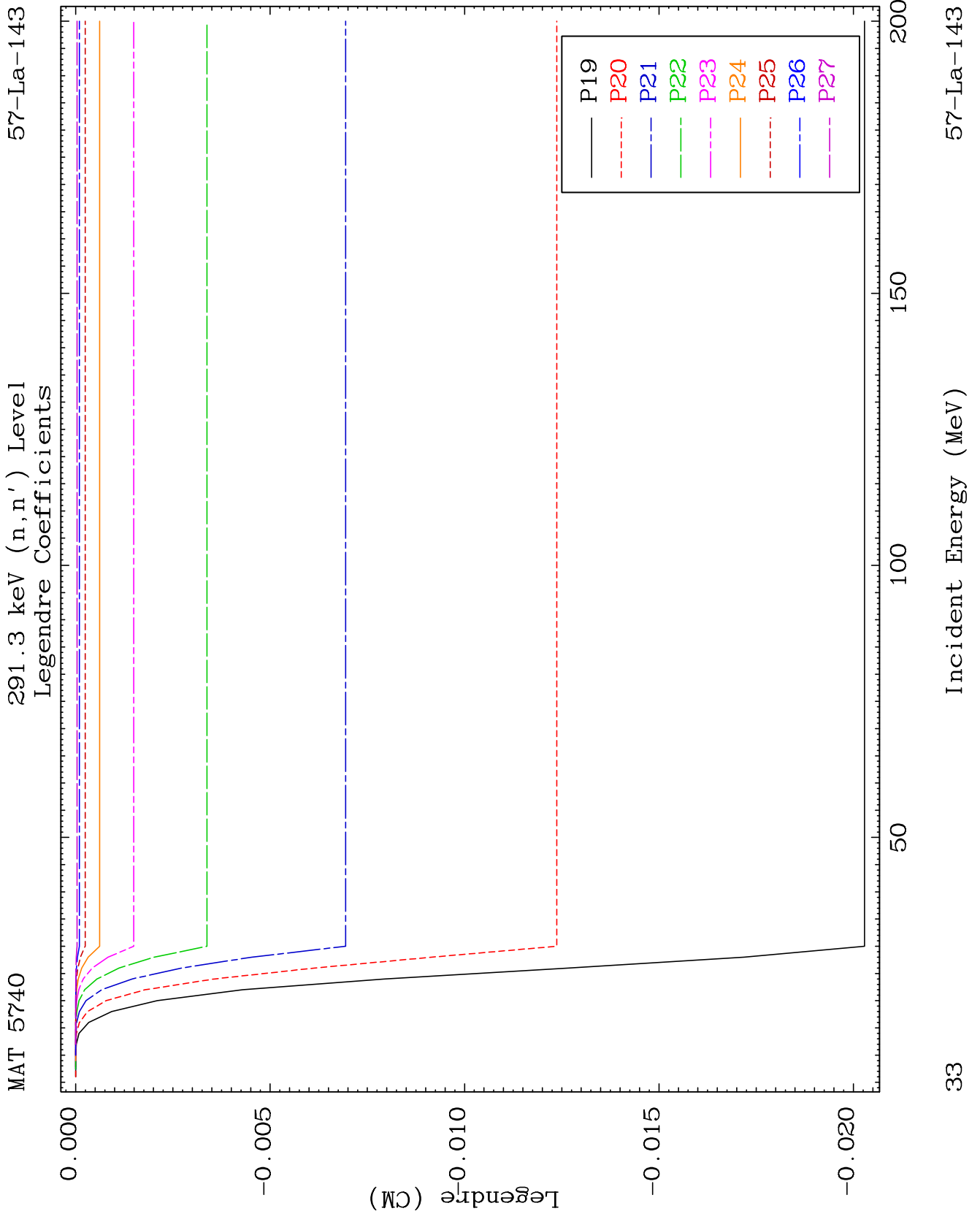
31

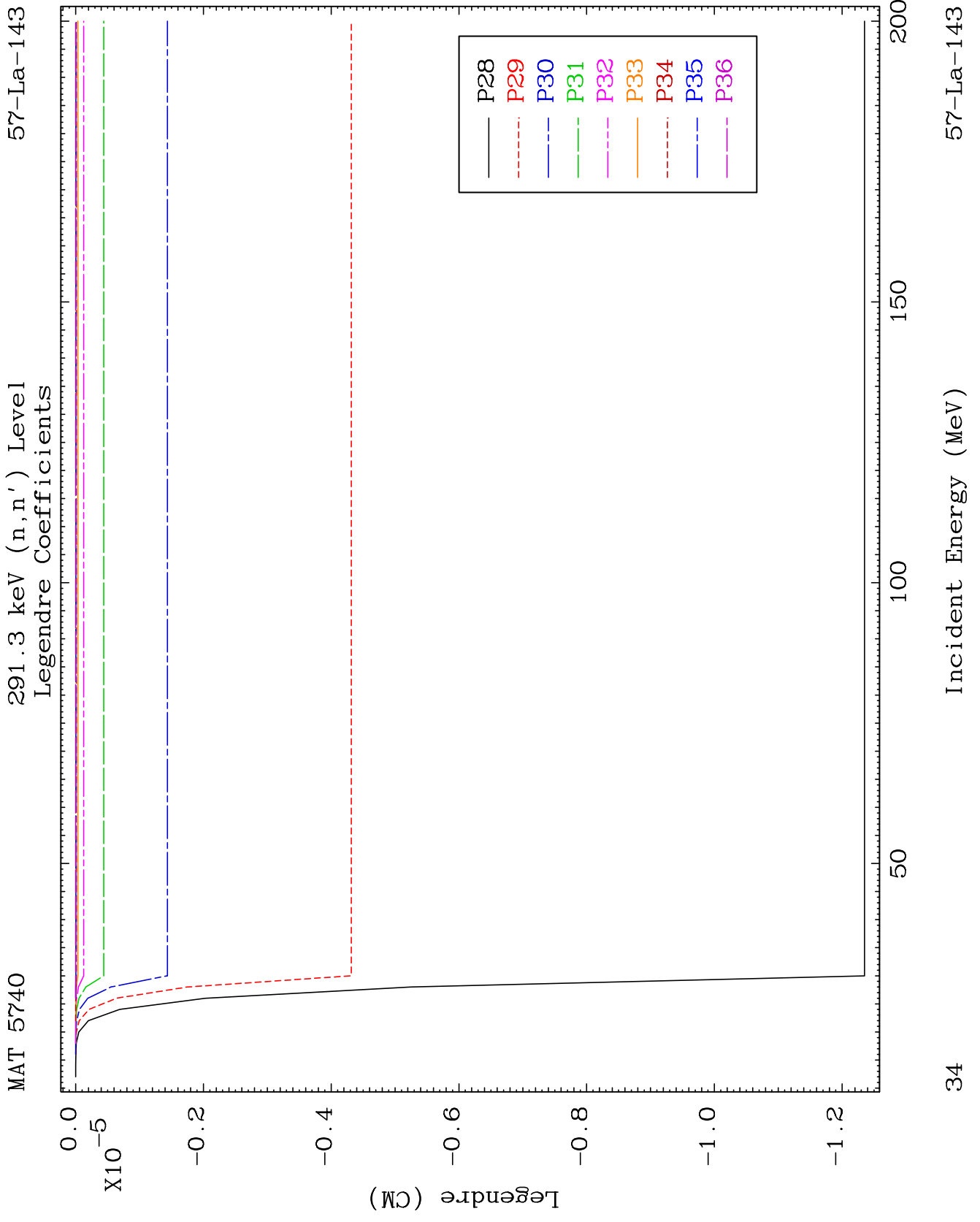
Incident Energy (MeV)

57-La-143





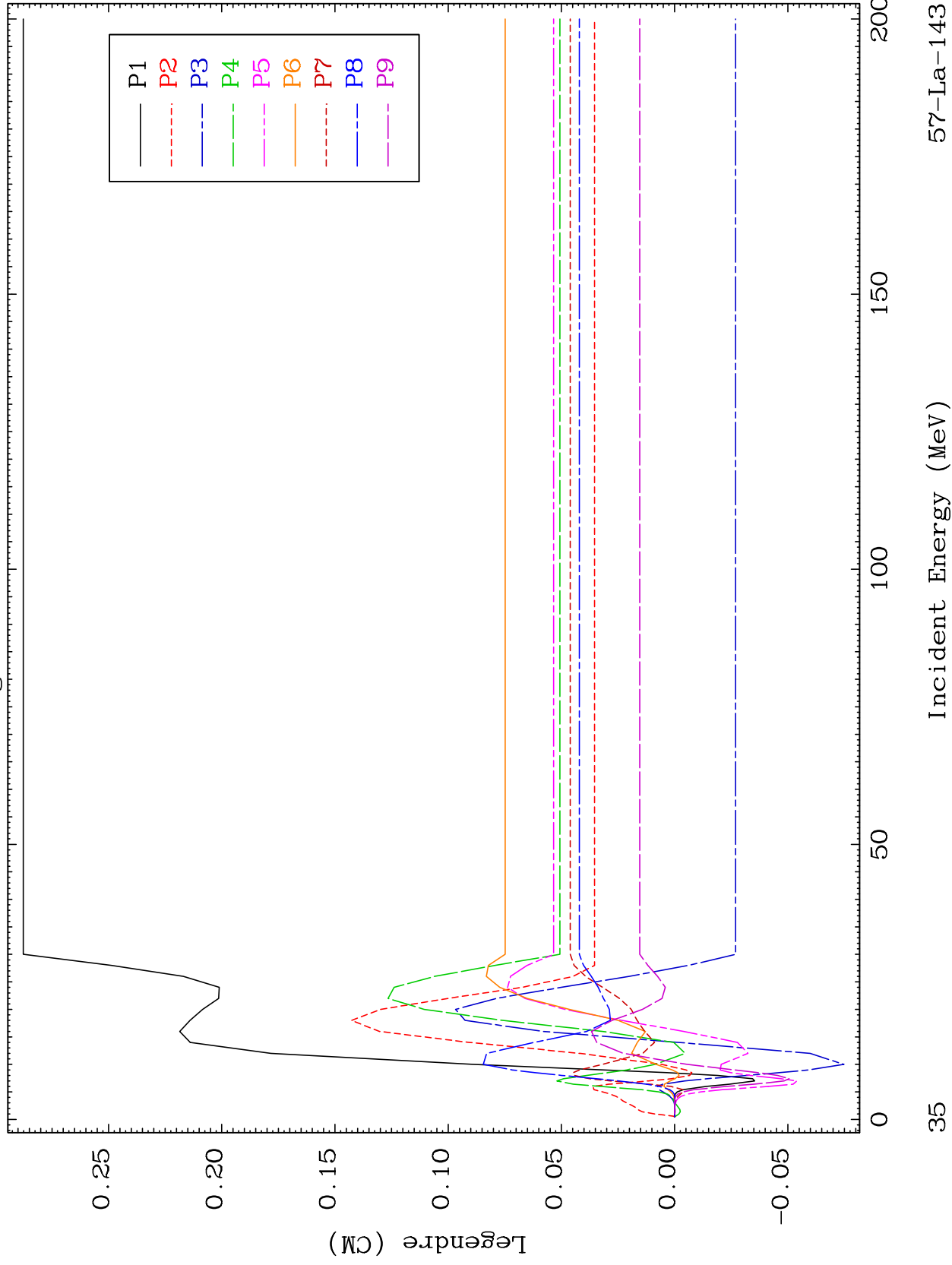




MAT 5740

424.9 keV (n,n') Level  
Legendre Coefficients

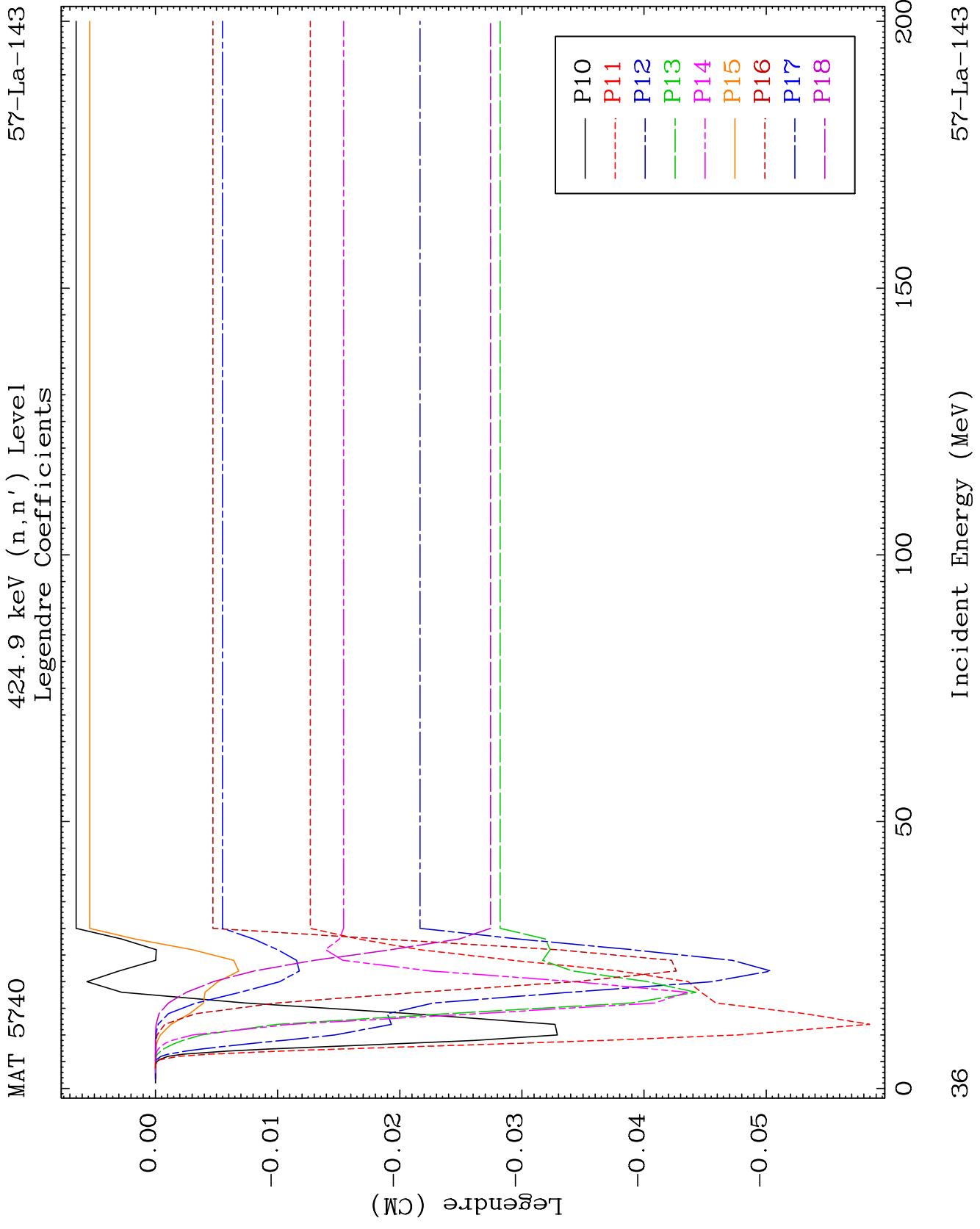
57-La-143

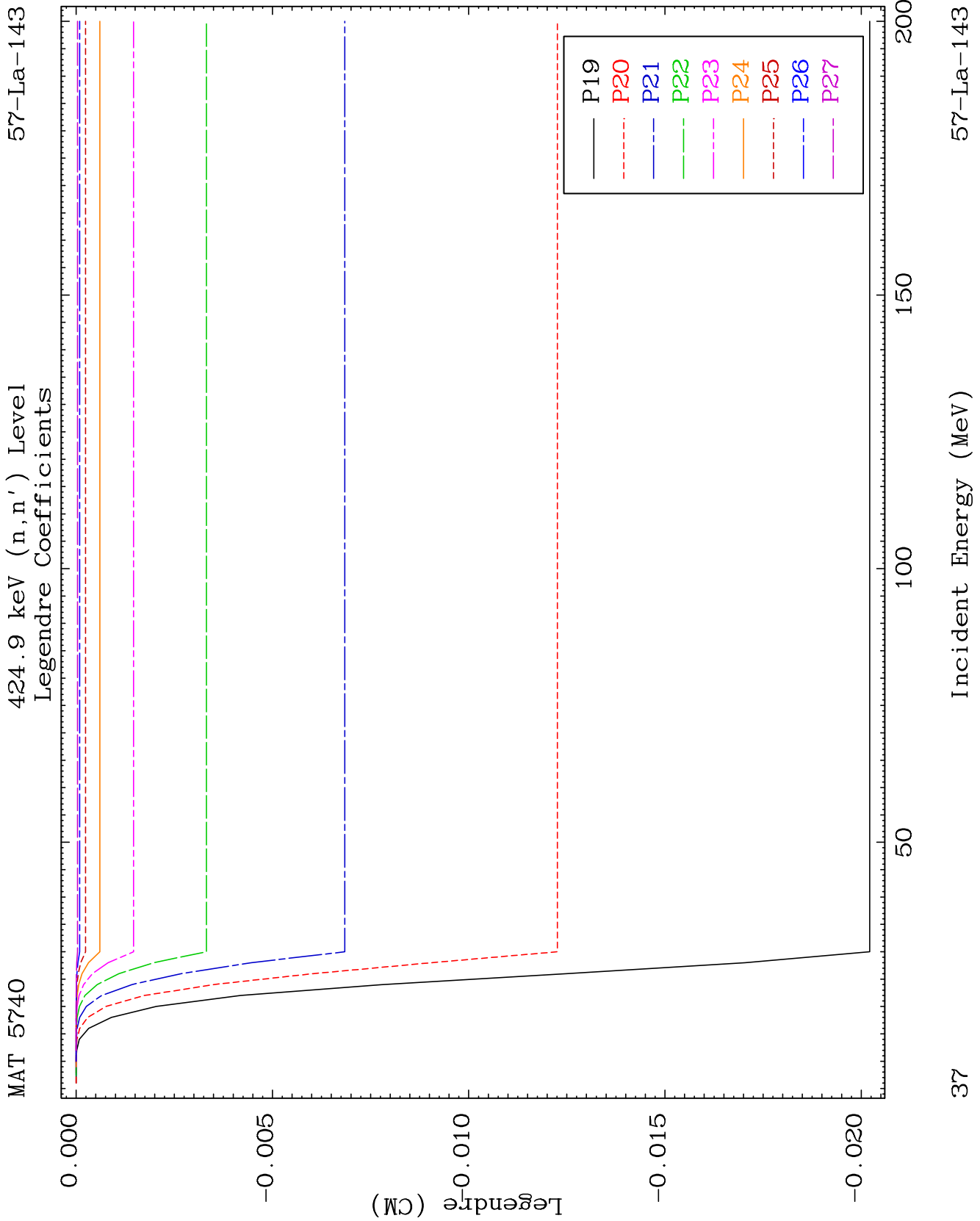


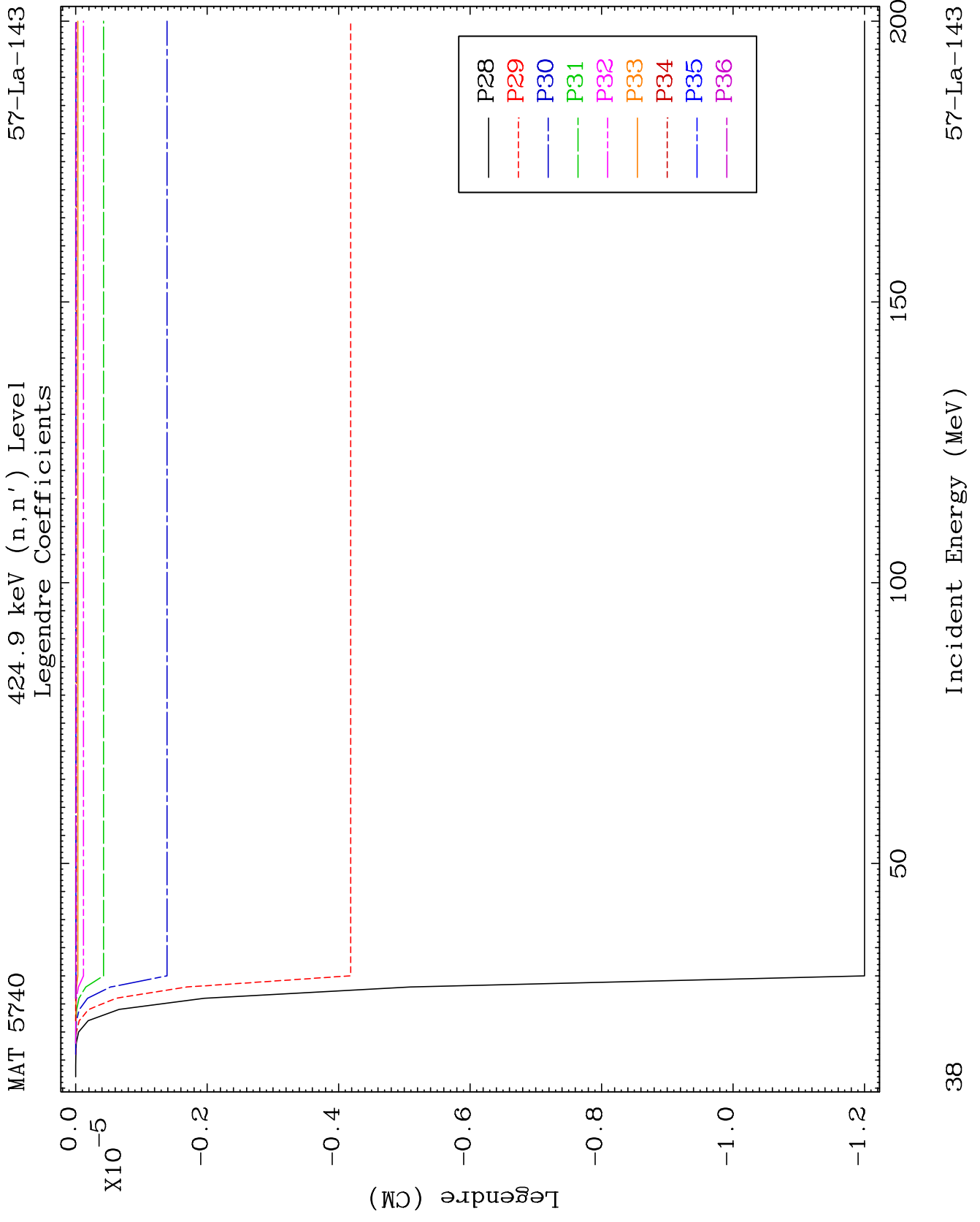
57-La-143

Incident Energy (MeV)

35



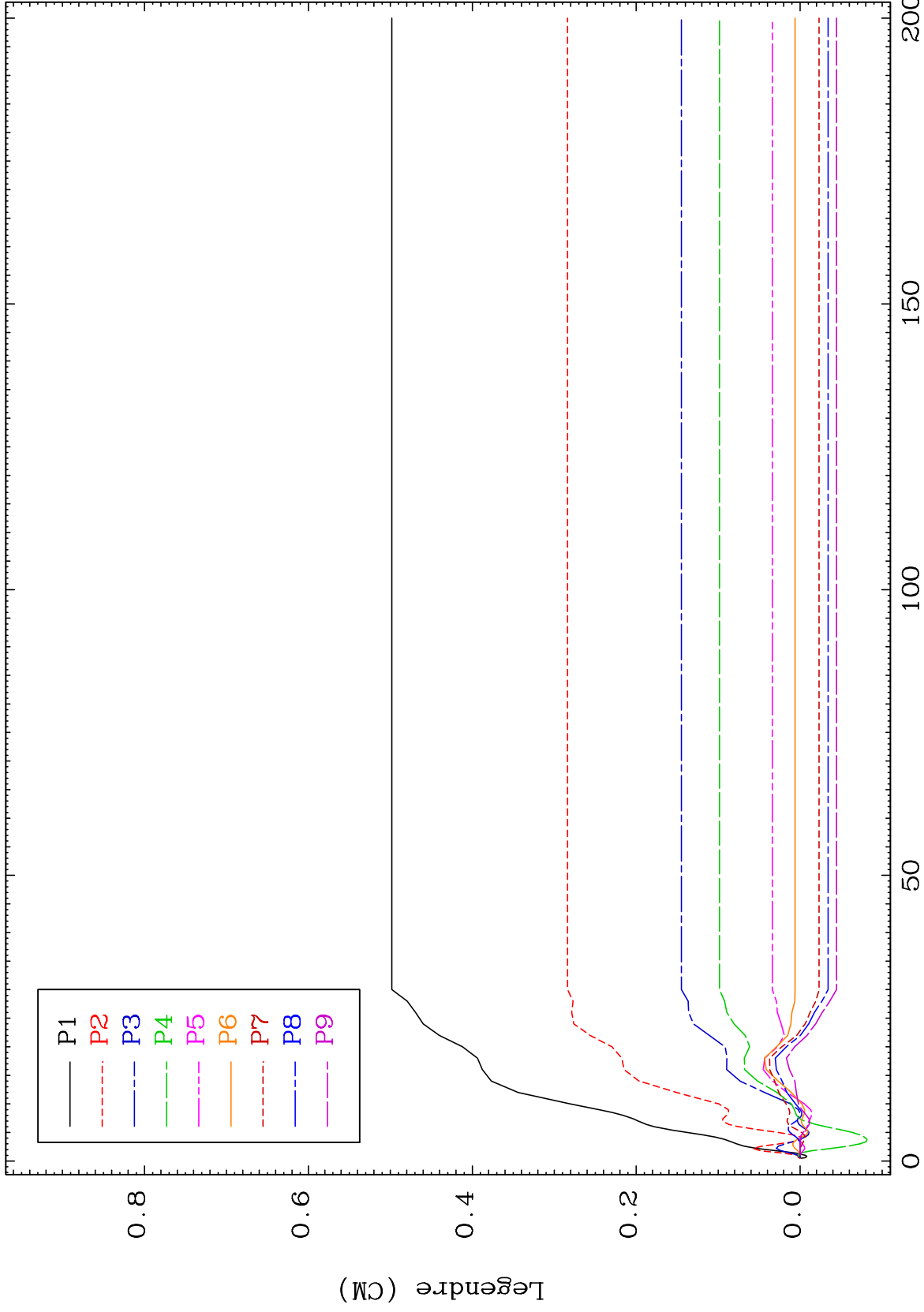




MAT 5740

462.0 keV (n,n') Level  
Legendre Coefficients

57-La-143



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Incident Energy (MeV)

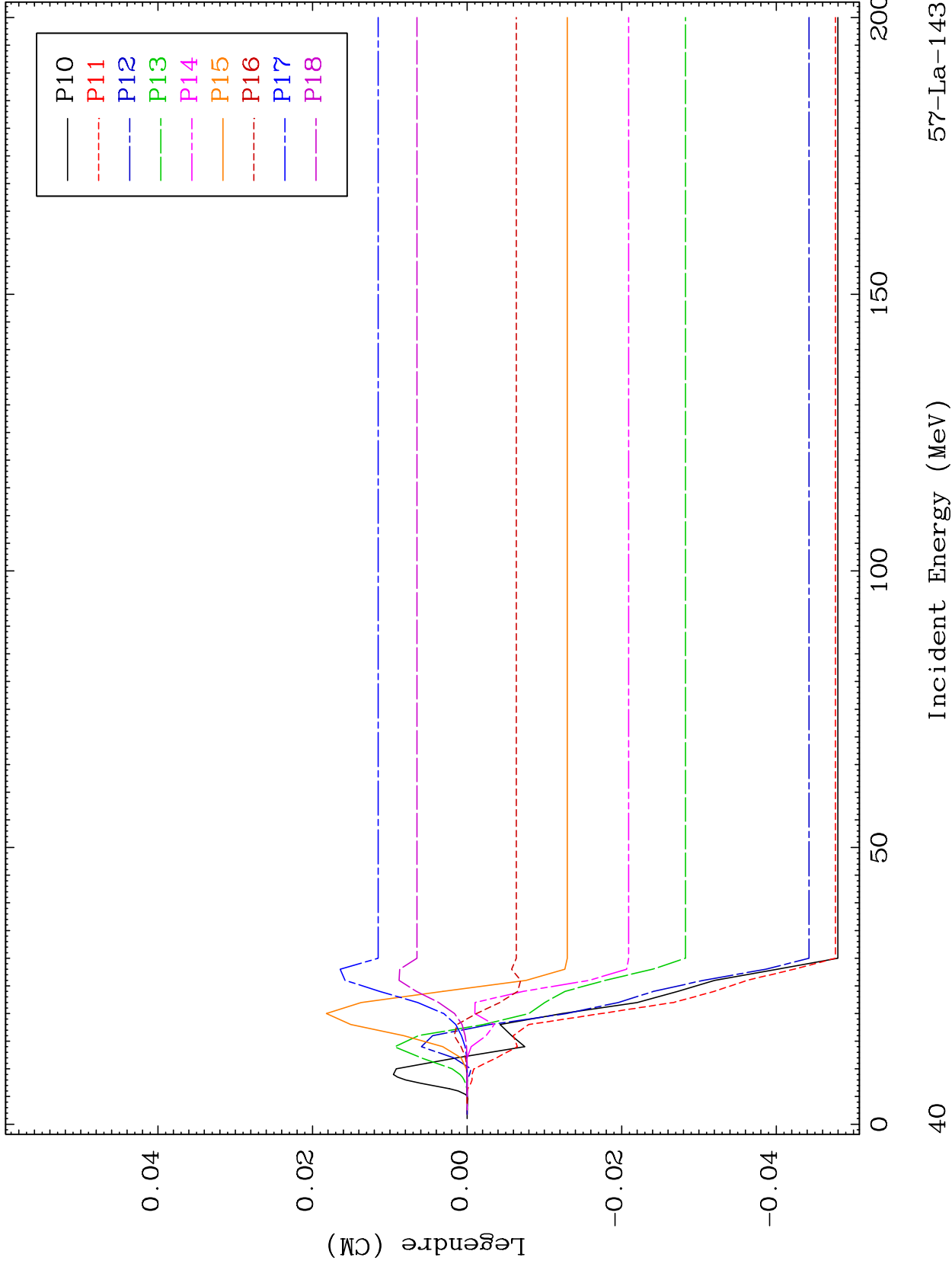
57-La-143



MAT 5740

462.0 keV (n,n') Level  
Legendre Coefficients

57-La-143

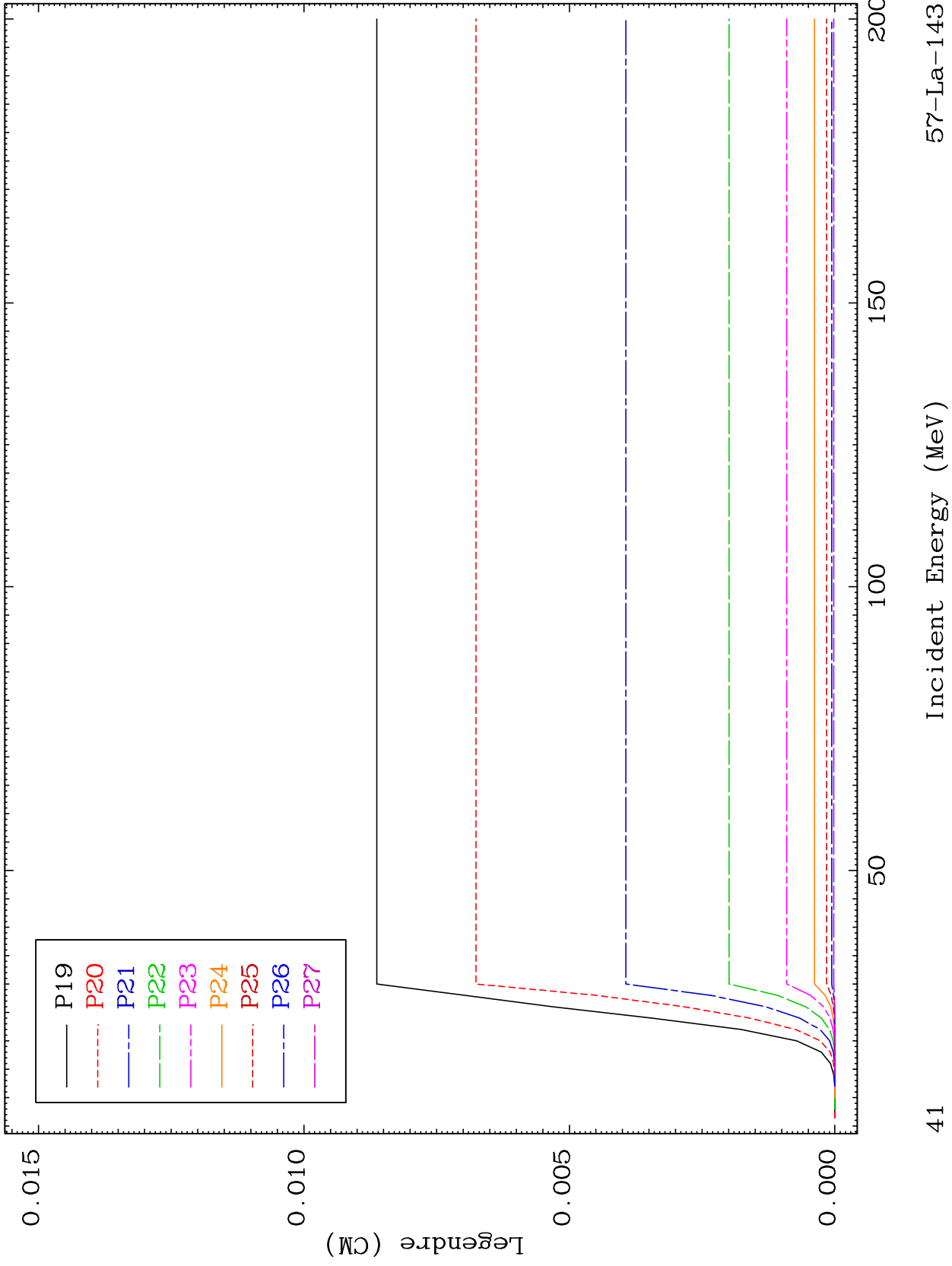


57-La-143

MAT 5740

462.0 keV (n,n') Level  
Legendre Coefficients

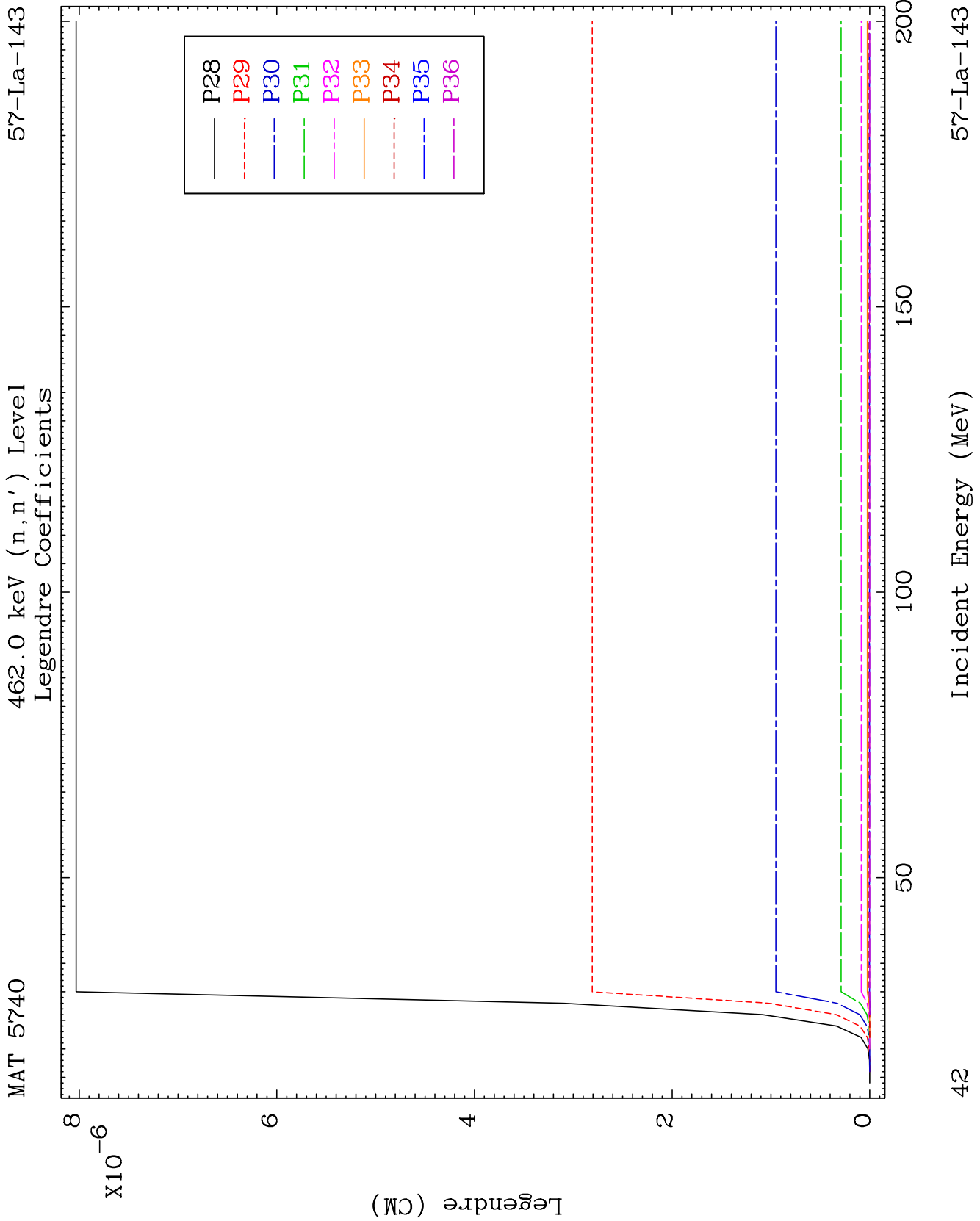
57-La-143



41

Incident Energy (MeV)

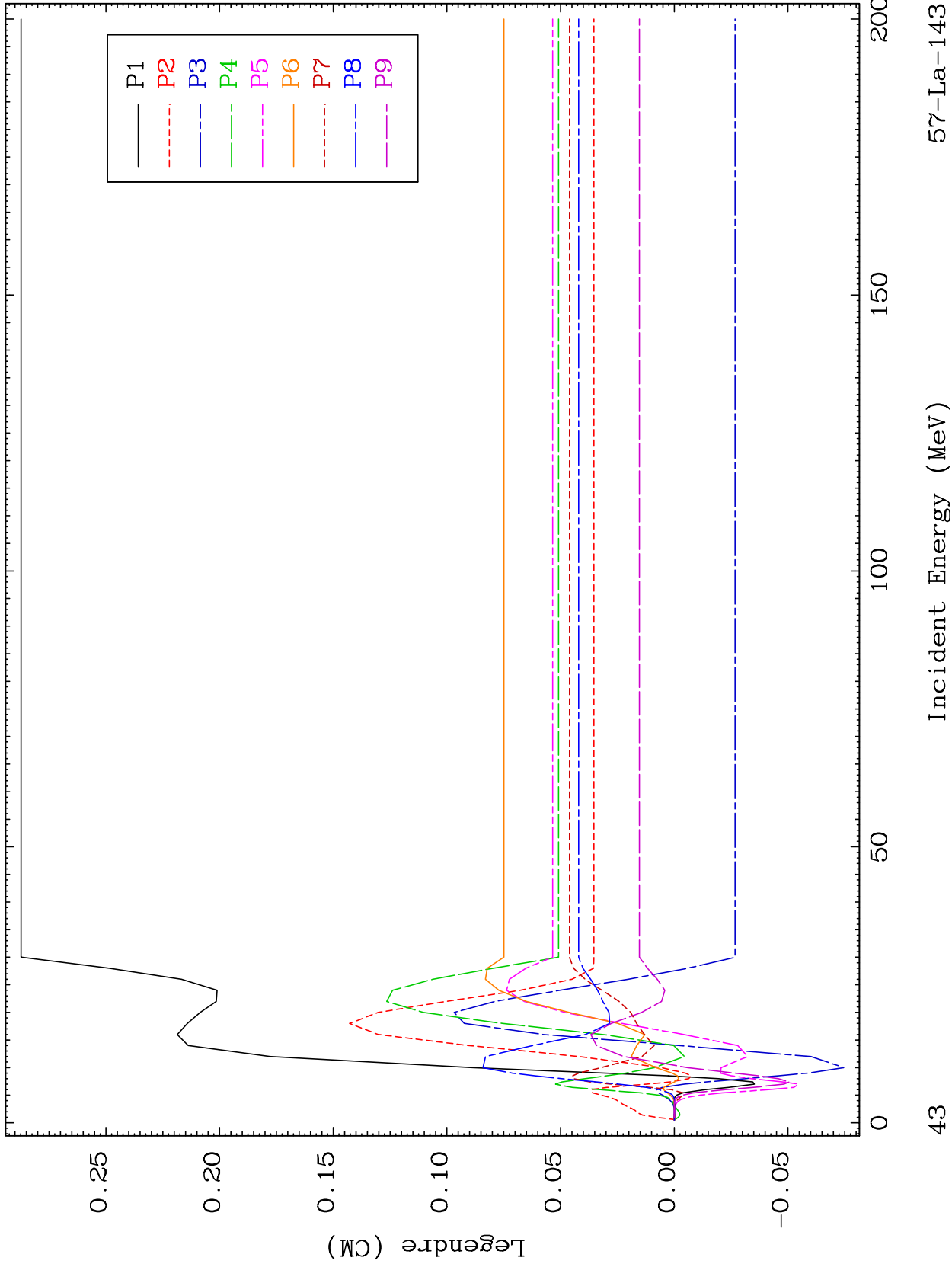
57-La-143



MAT 5740

465.9 keV (n,n') Level  
Legendre Coefficients

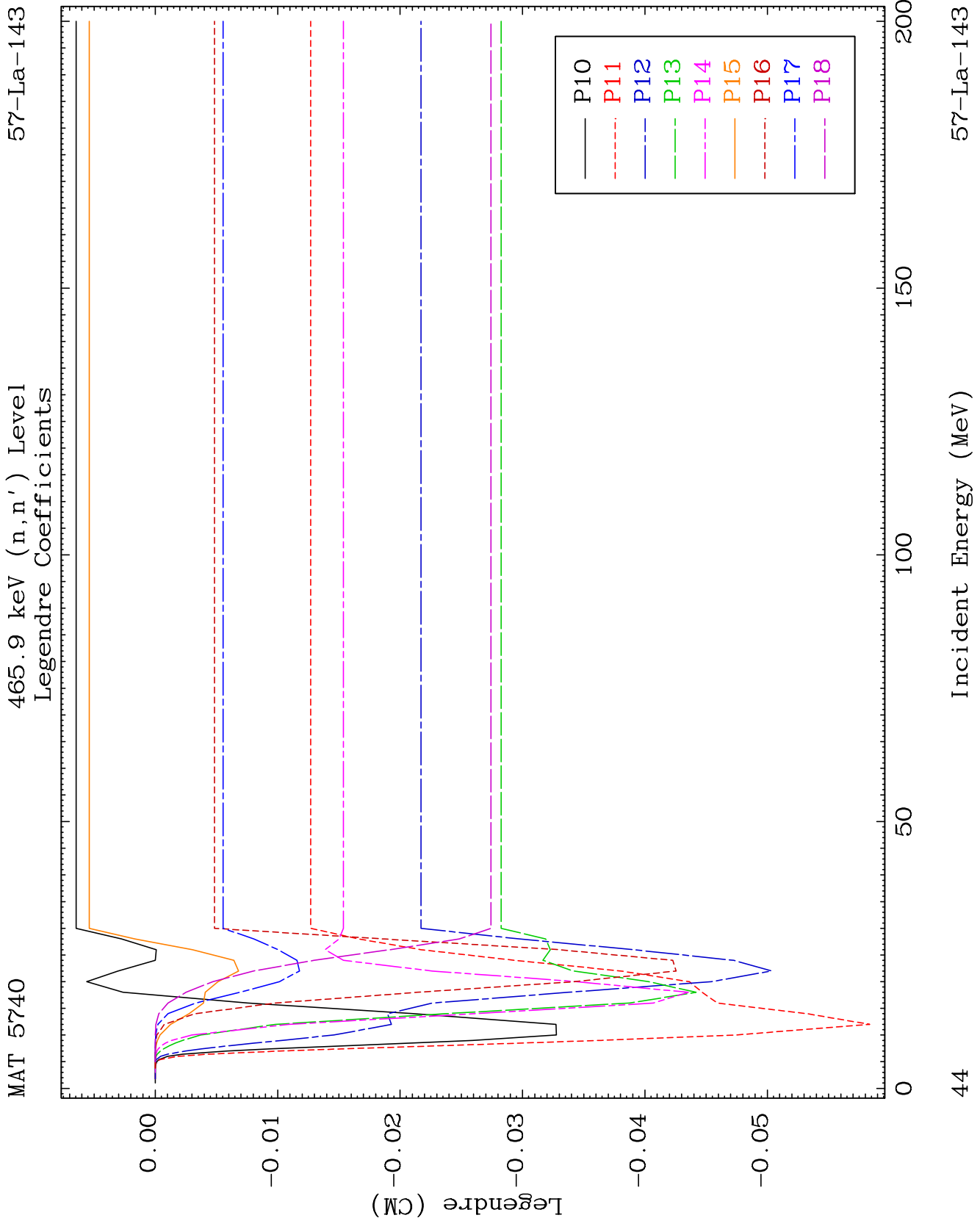
57-La-143

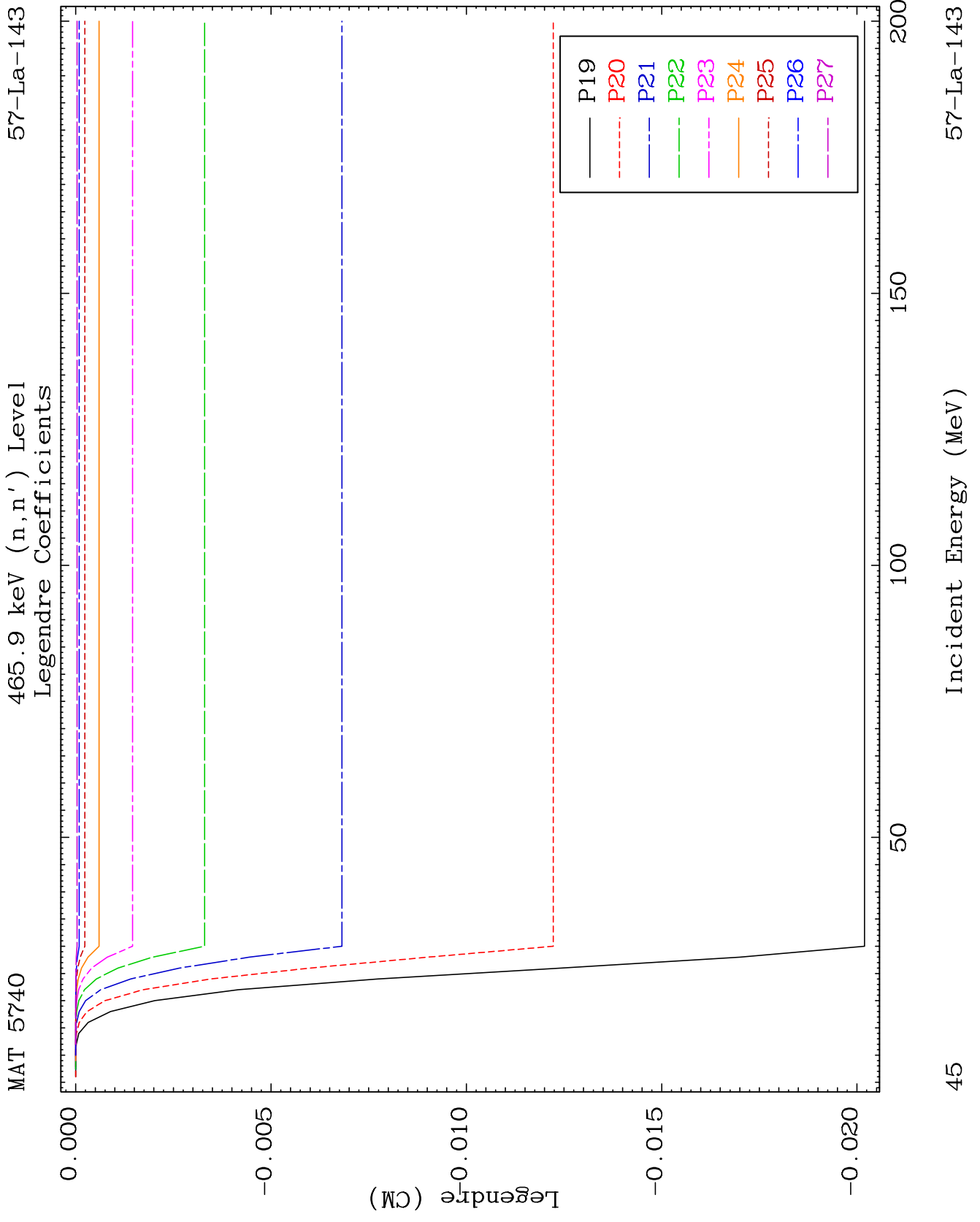


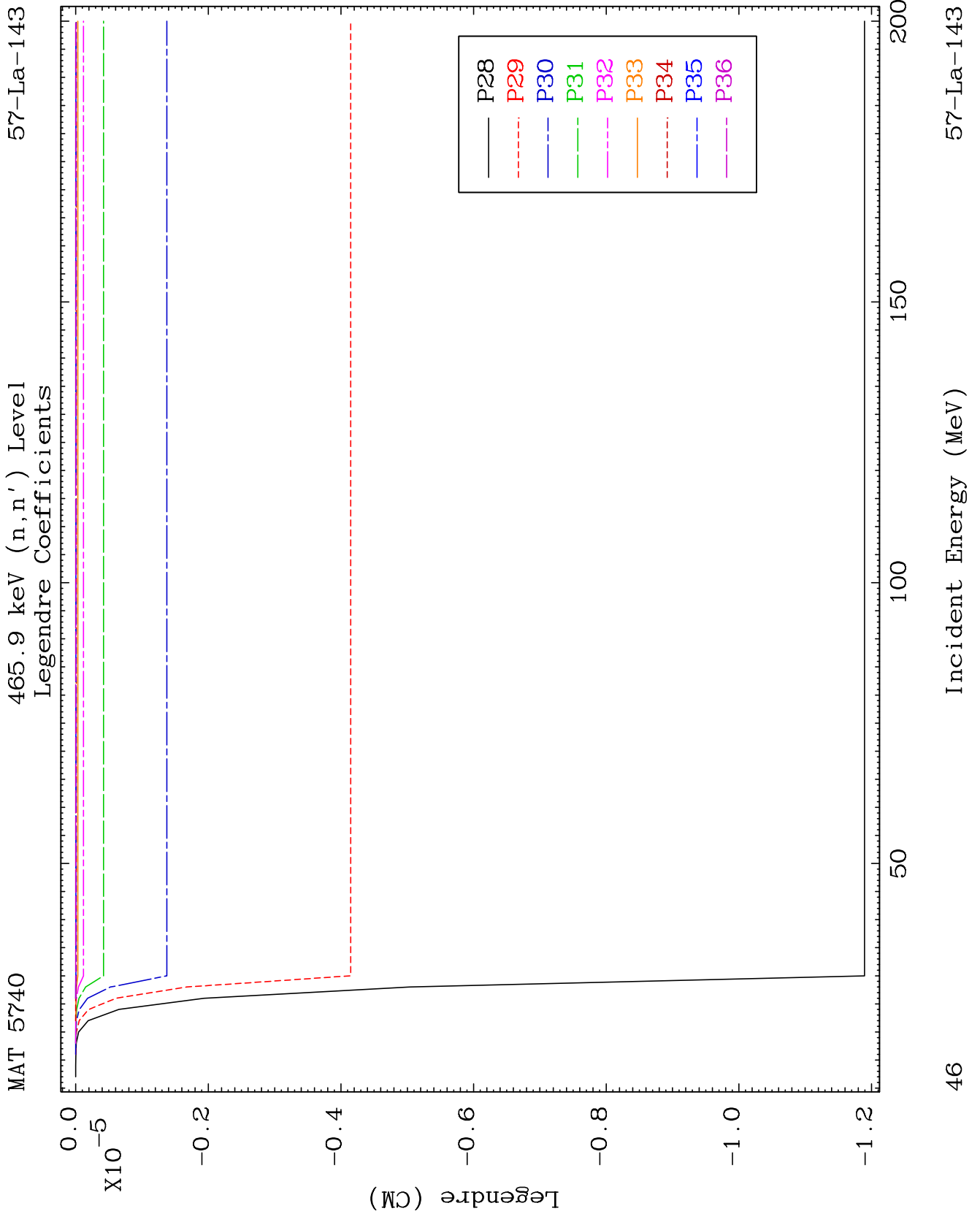
57-La-143

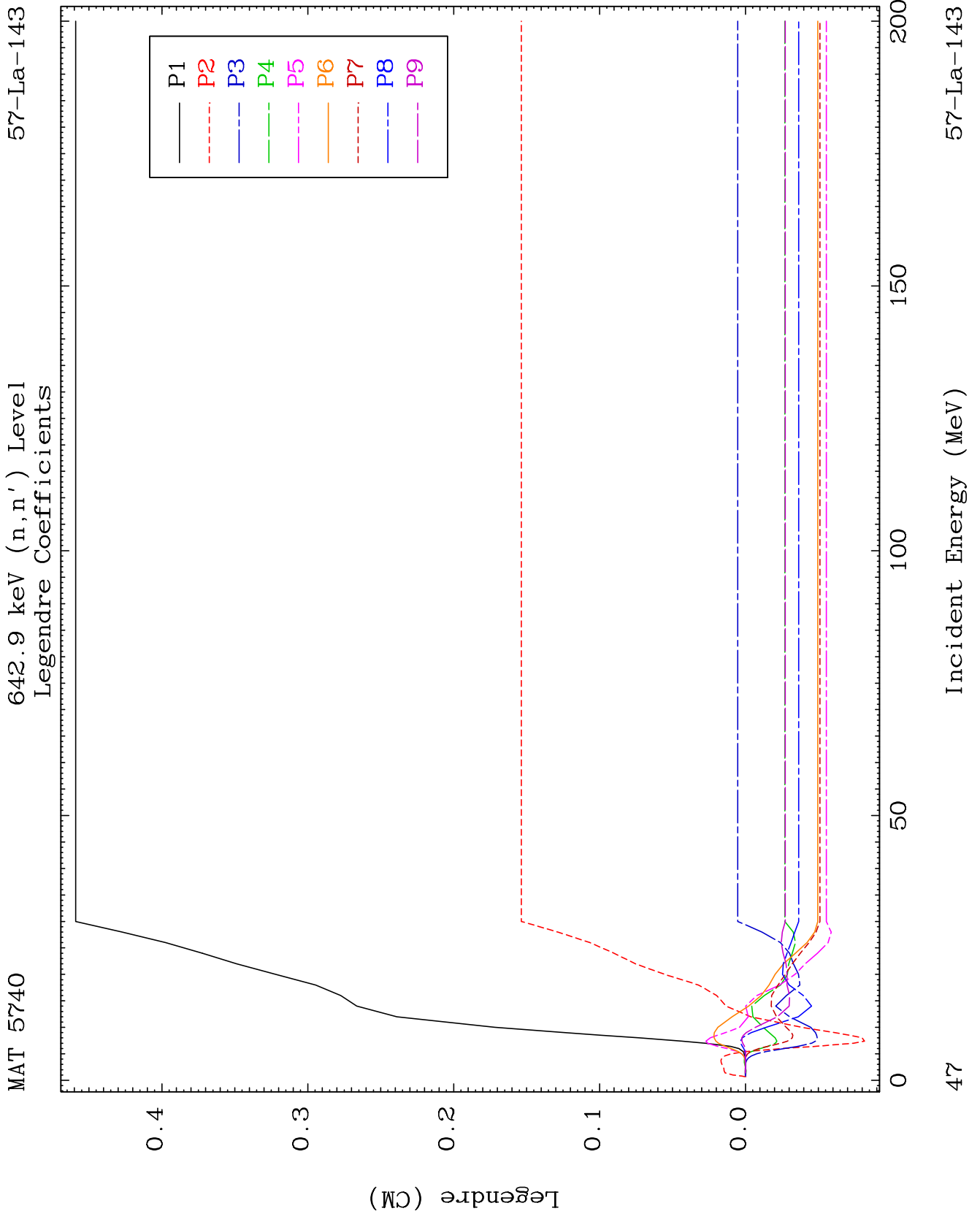
Incident Energy (MeV)

43







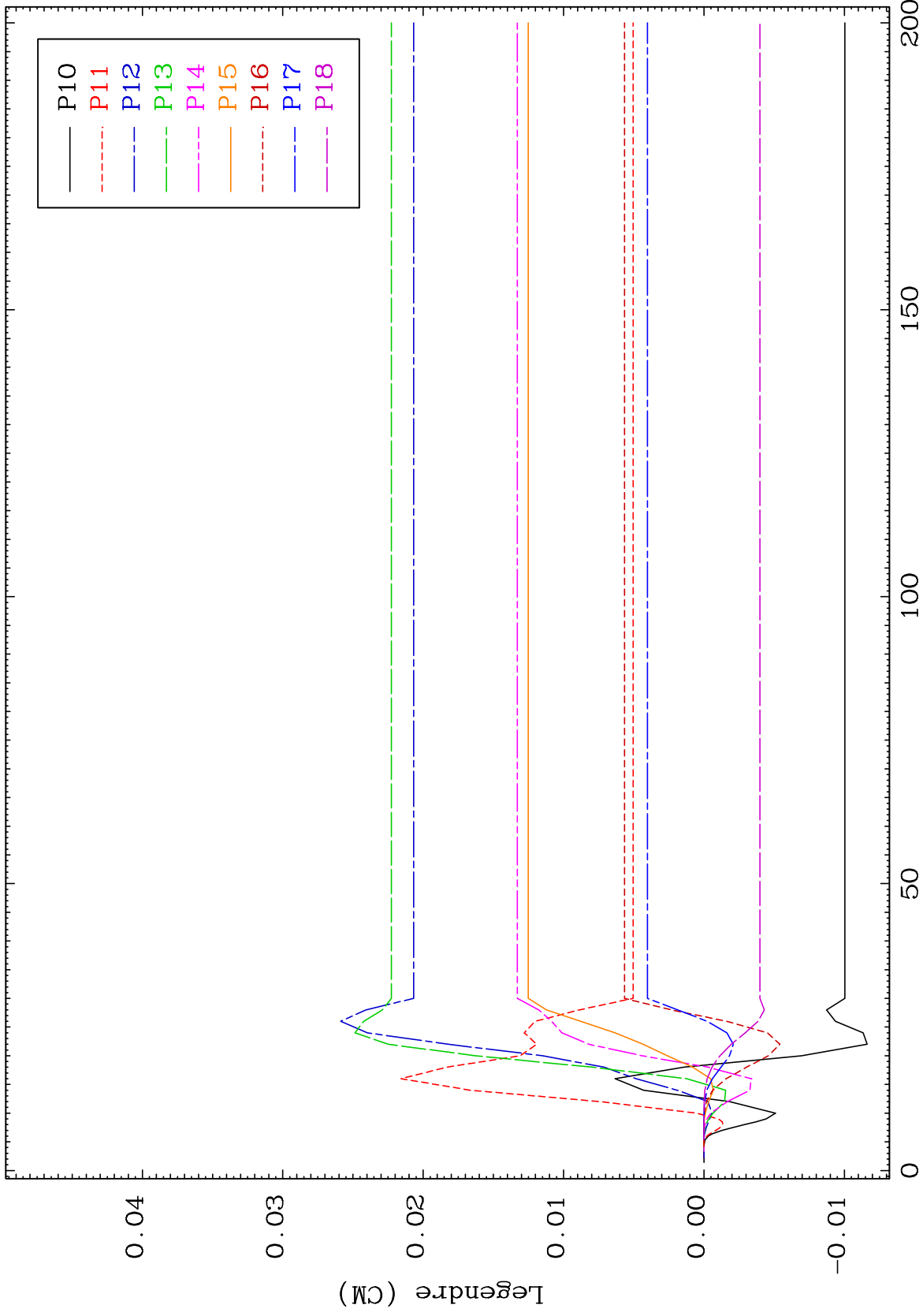




MAT 5740

642.9 keV (n,n') Level  
Legendre Coefficients

57-La-143



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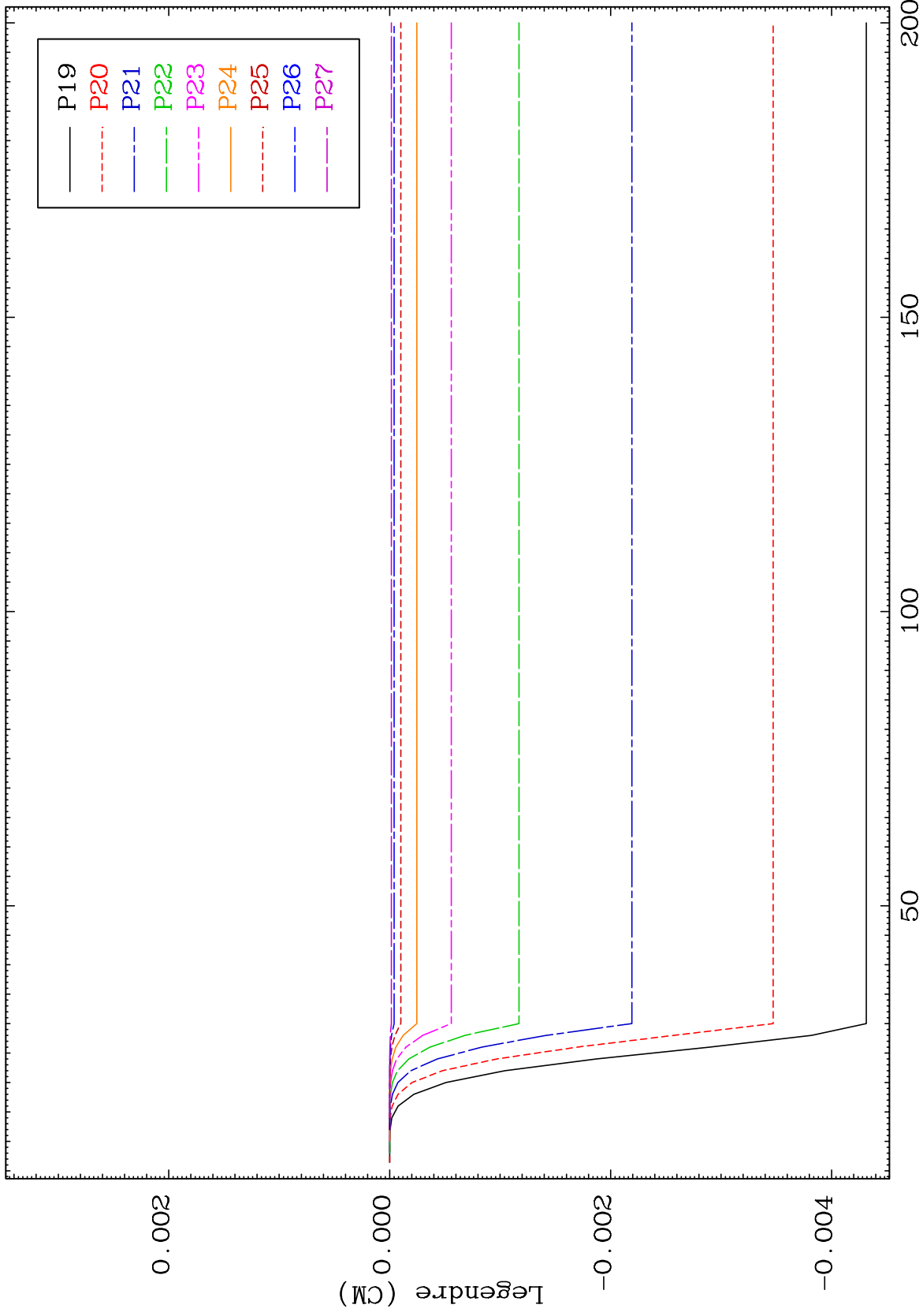
Incident Energy (MeV)

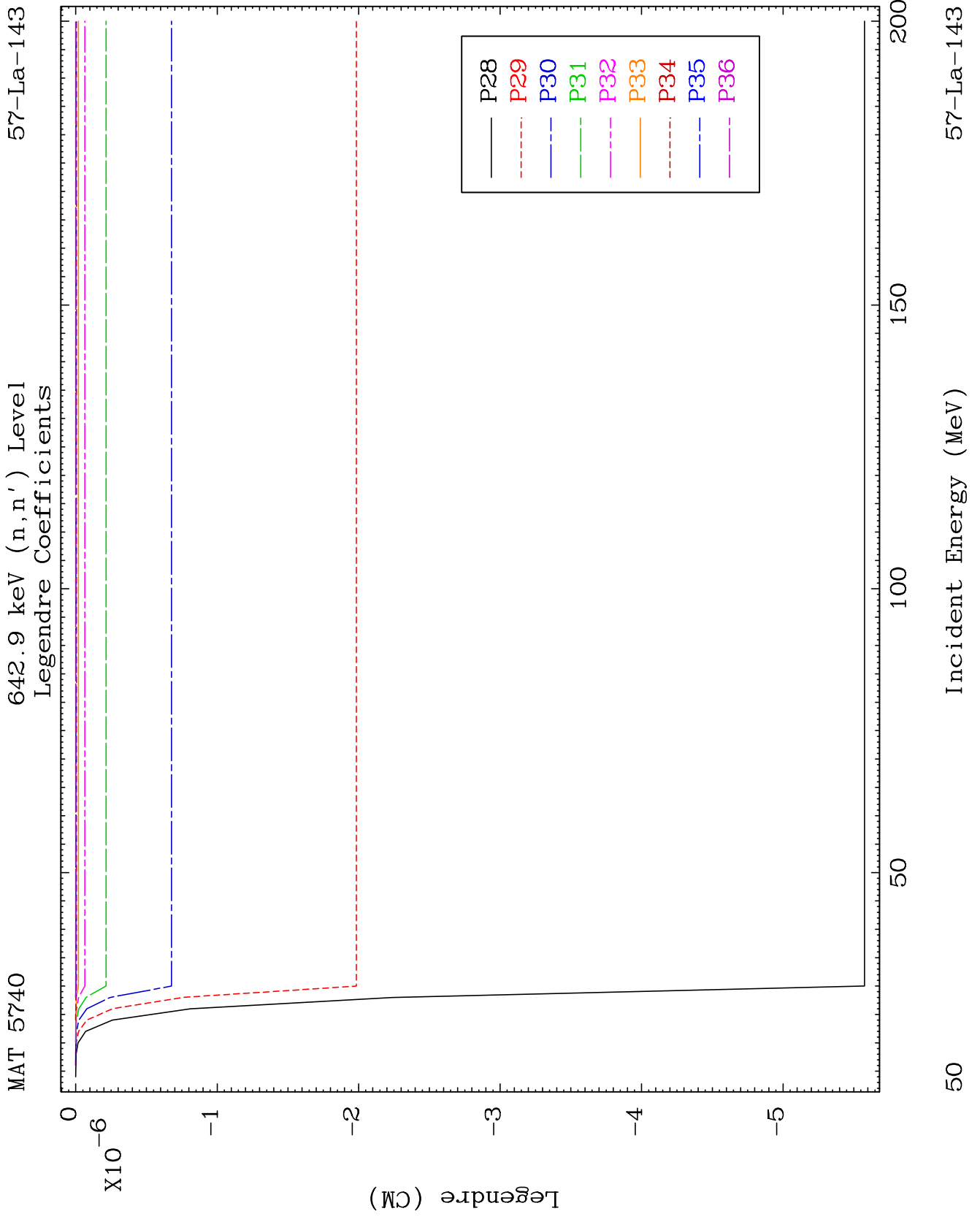
57-La-143

MAT 5740

642.9 keV (n,n') Level  
Legendre Coefficients

57-La-143

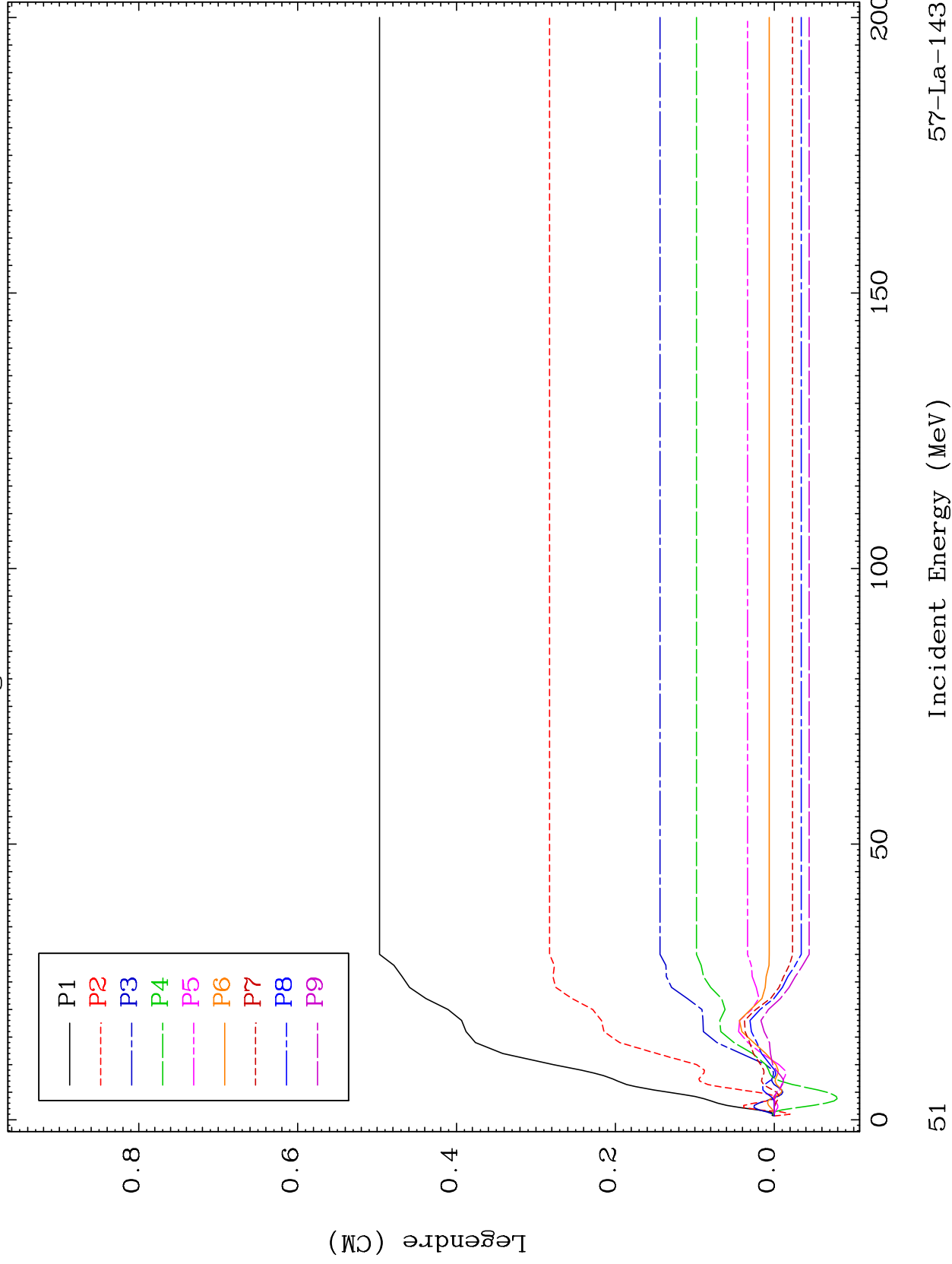




MAT 5740

667.0 keV (n,n') Level  
Legendre Coefficients

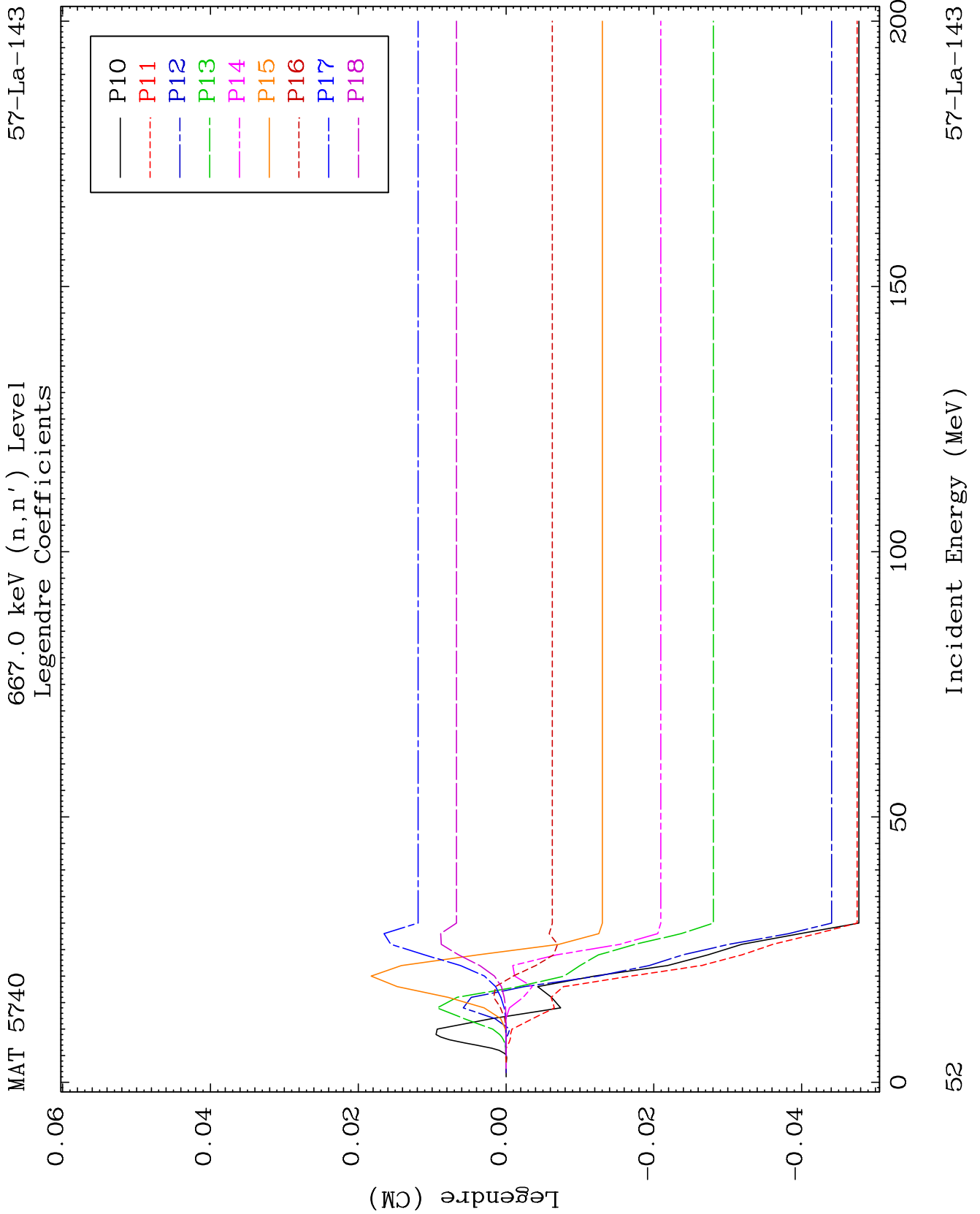
57-La-143



57-La-143

Incident Energy (MeV)

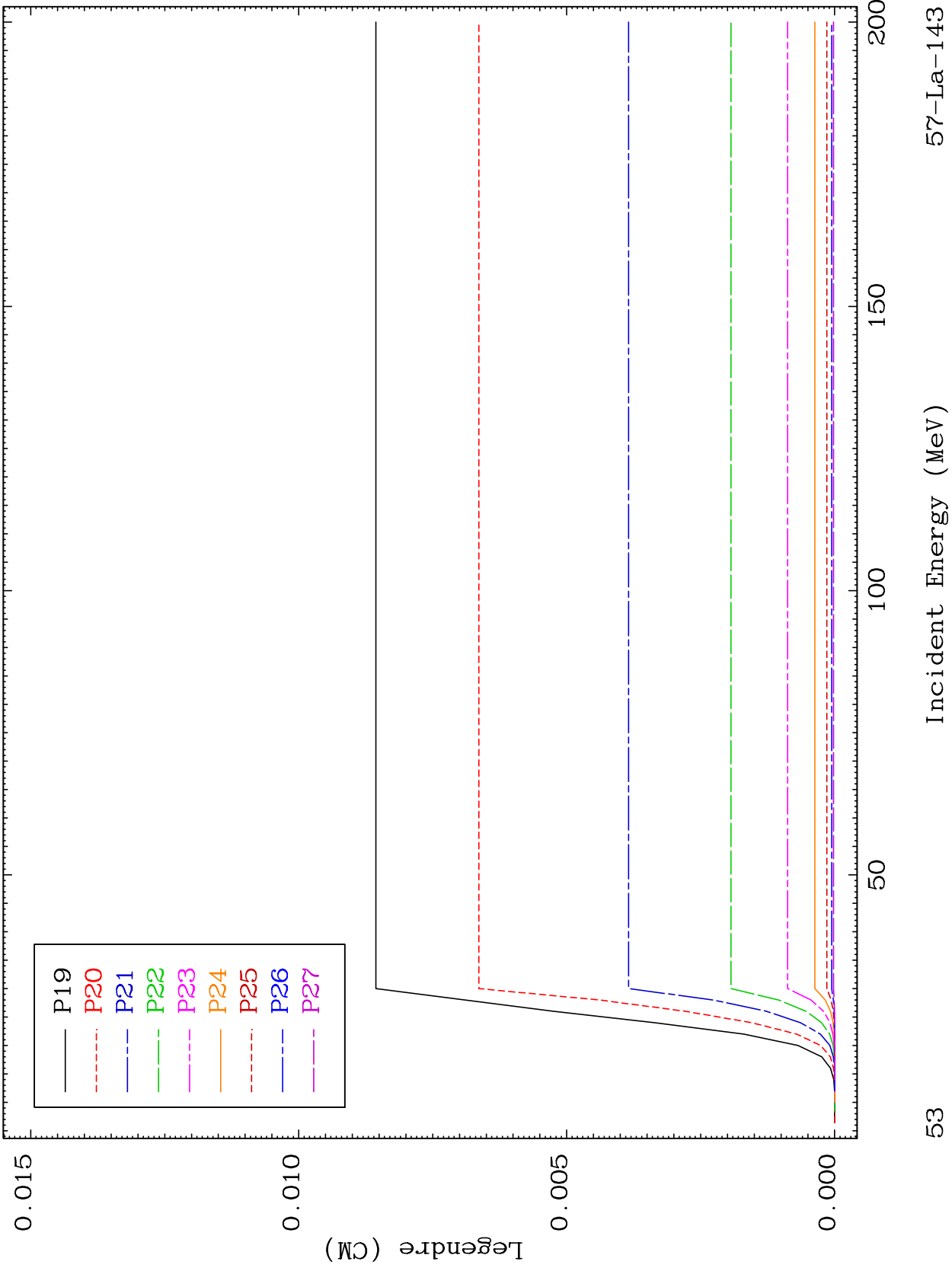
51



MAT 5740

667.0 keV (n,n') Level  
Legendre Coefficients

57-La-143



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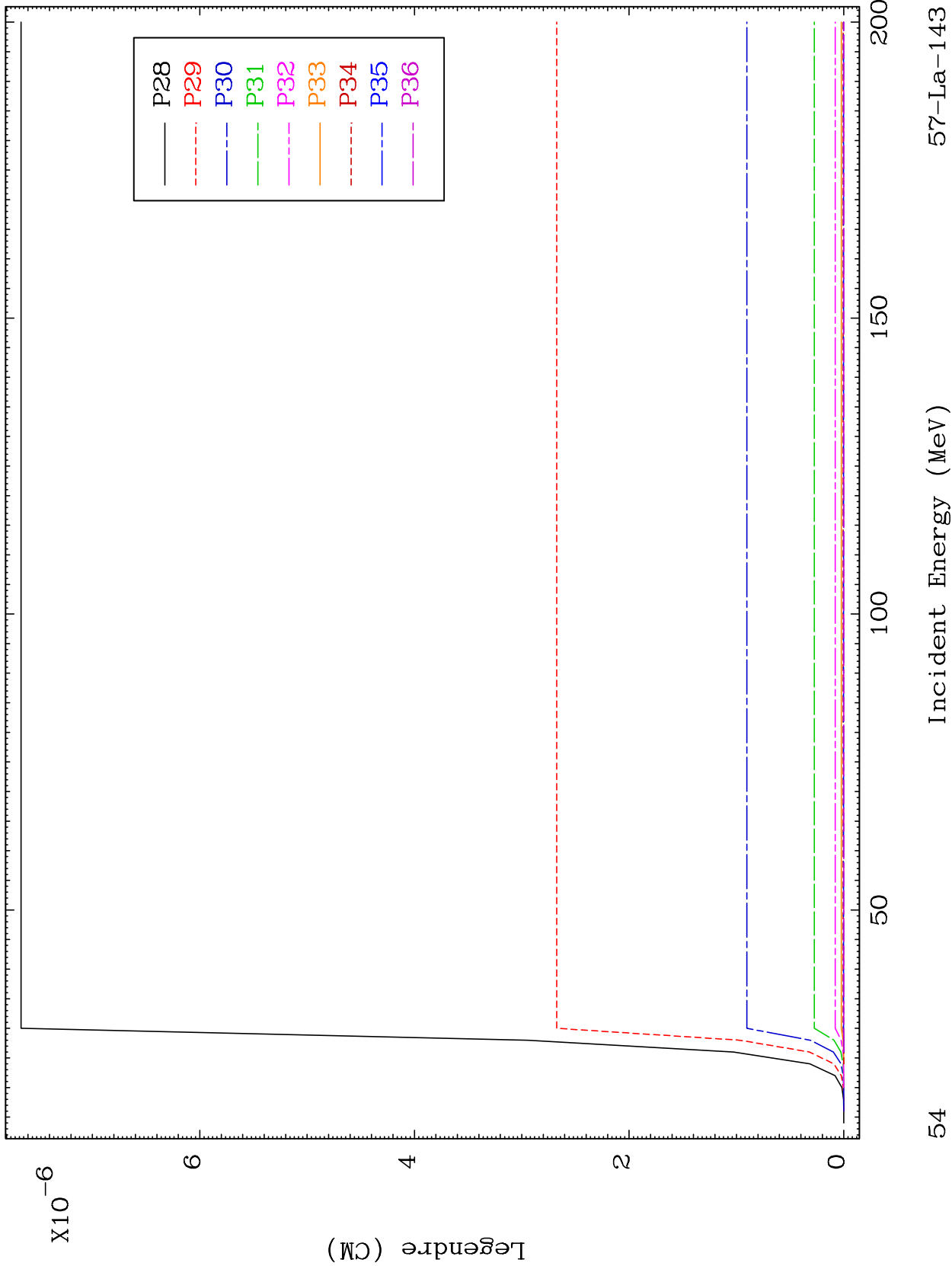
Incident Energy (MeV)

57-La-143

MAT 5740

667.0 keV (n,n') Level  
Legendre Coefficients

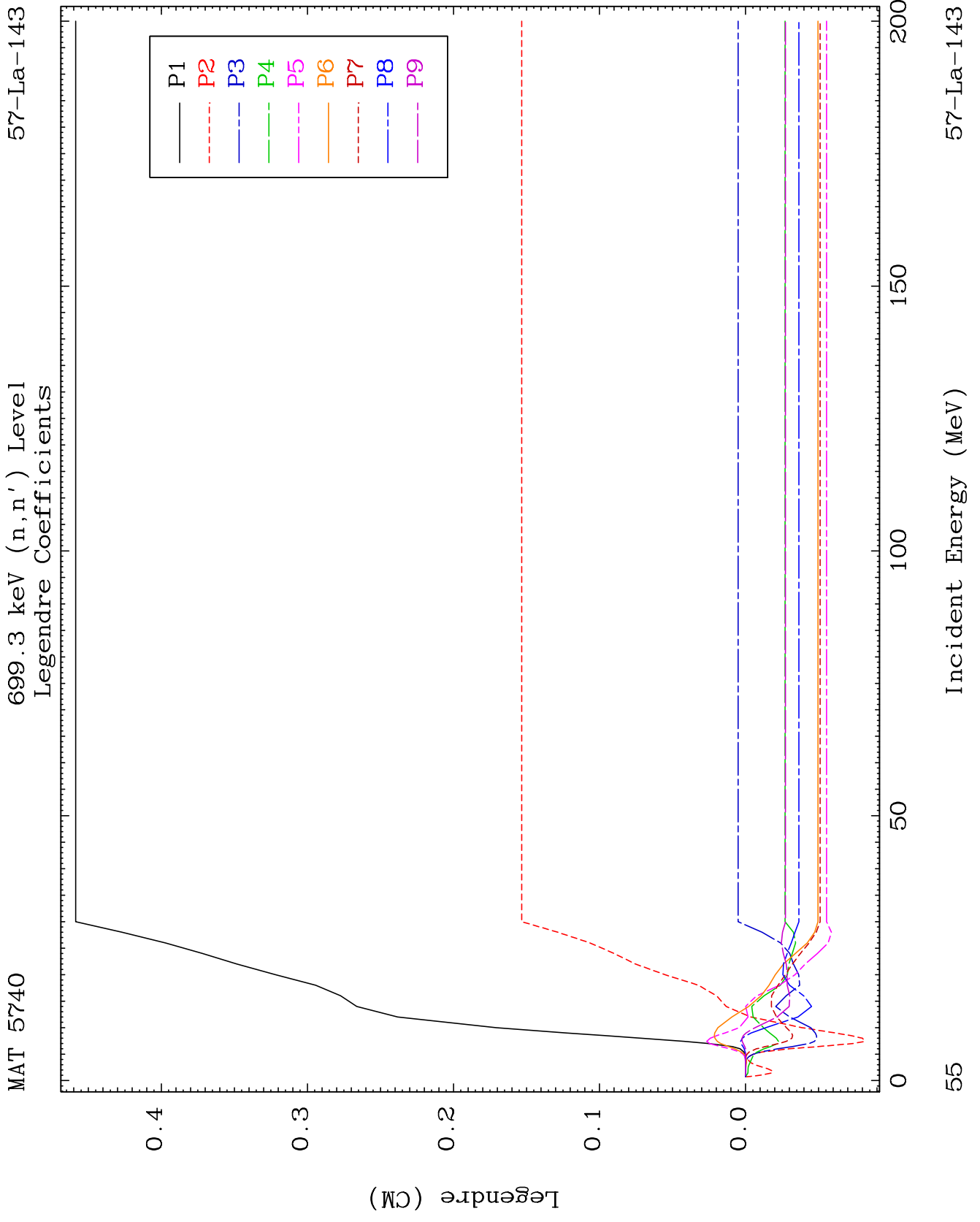
57-La-143



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Incident Energy (MeV)

57-La-143

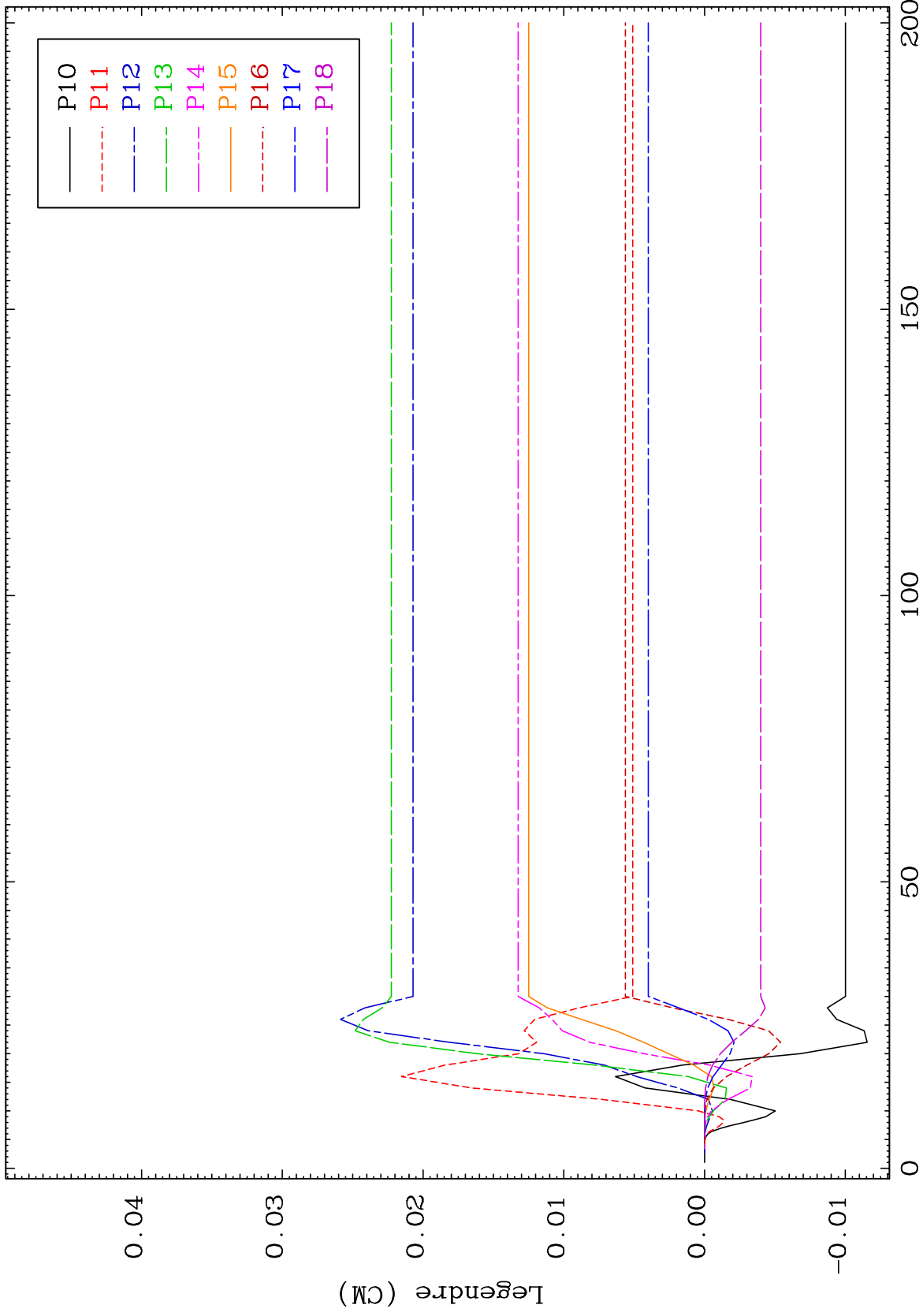




MAT 5740

699.3 keV (n,n') Level  
Legendre Coefficients

57-La-143



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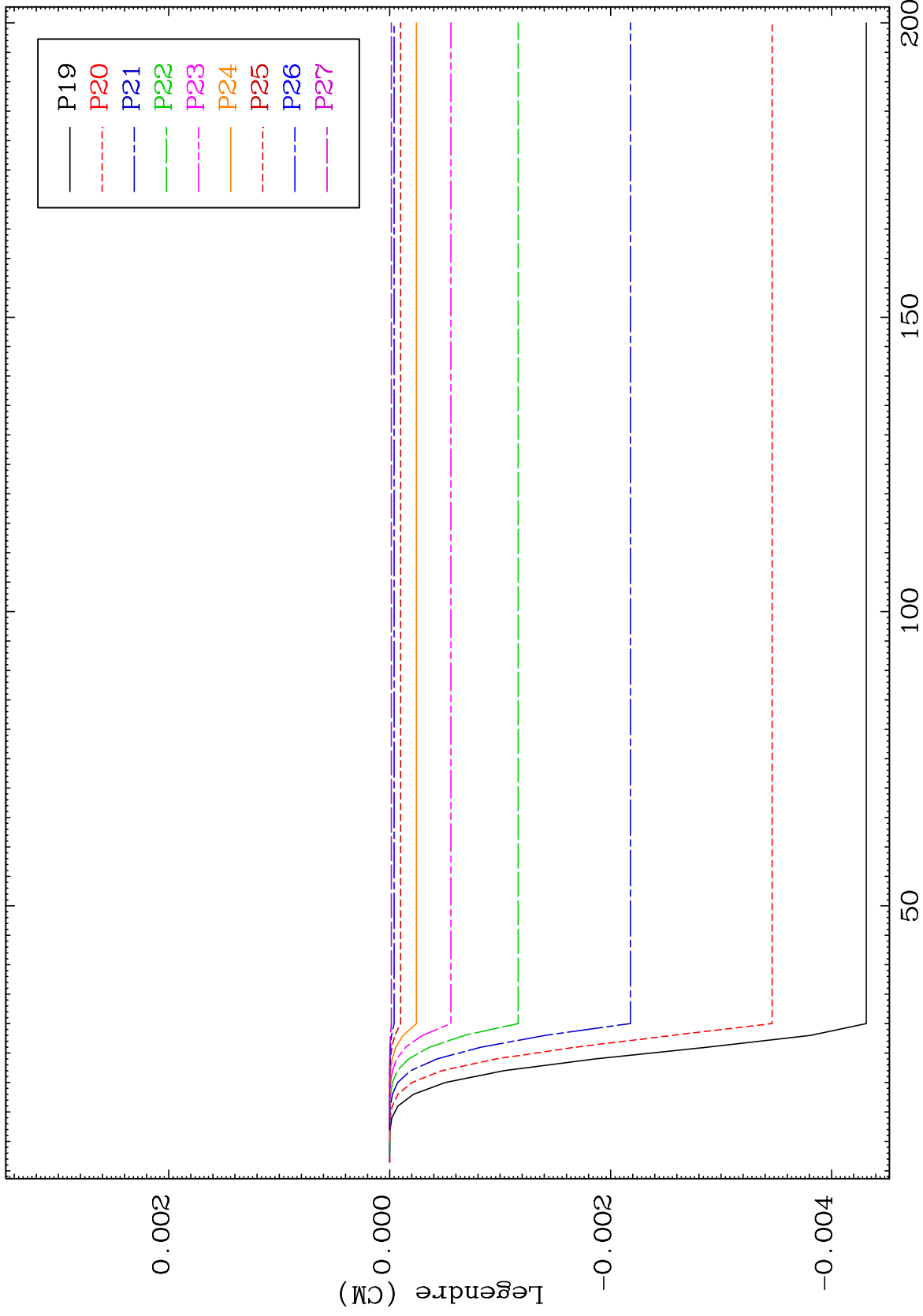
Incident Energy (MeV)

57-La-143

MAT 5740

699.3 keV (n,n') Level  
Legendre Coefficients

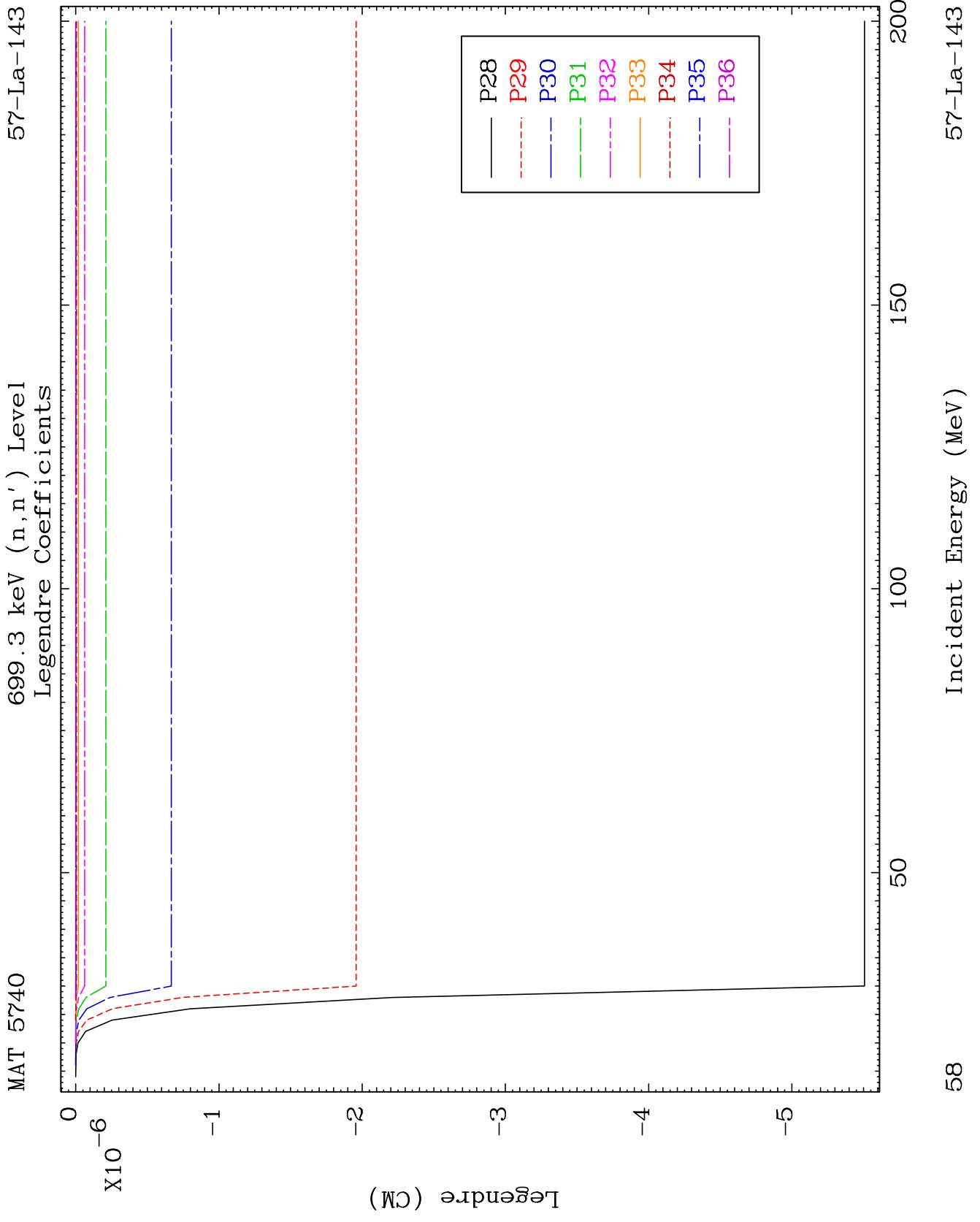
57-La-143



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Incident Energy (MeV)

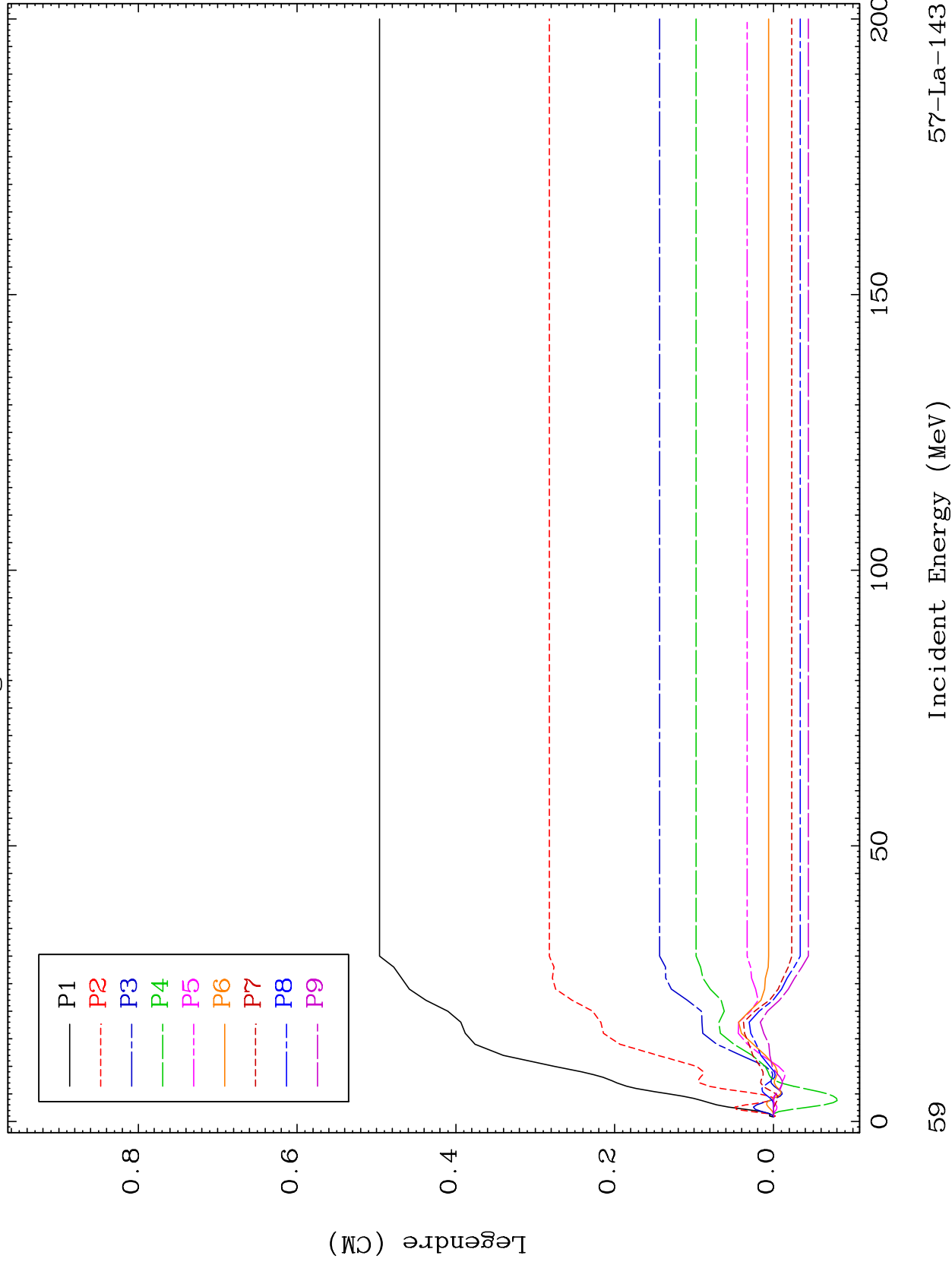
57-La-143



MAT 5740

789.4 keV (n,n') Level  
Legendre Coefficients

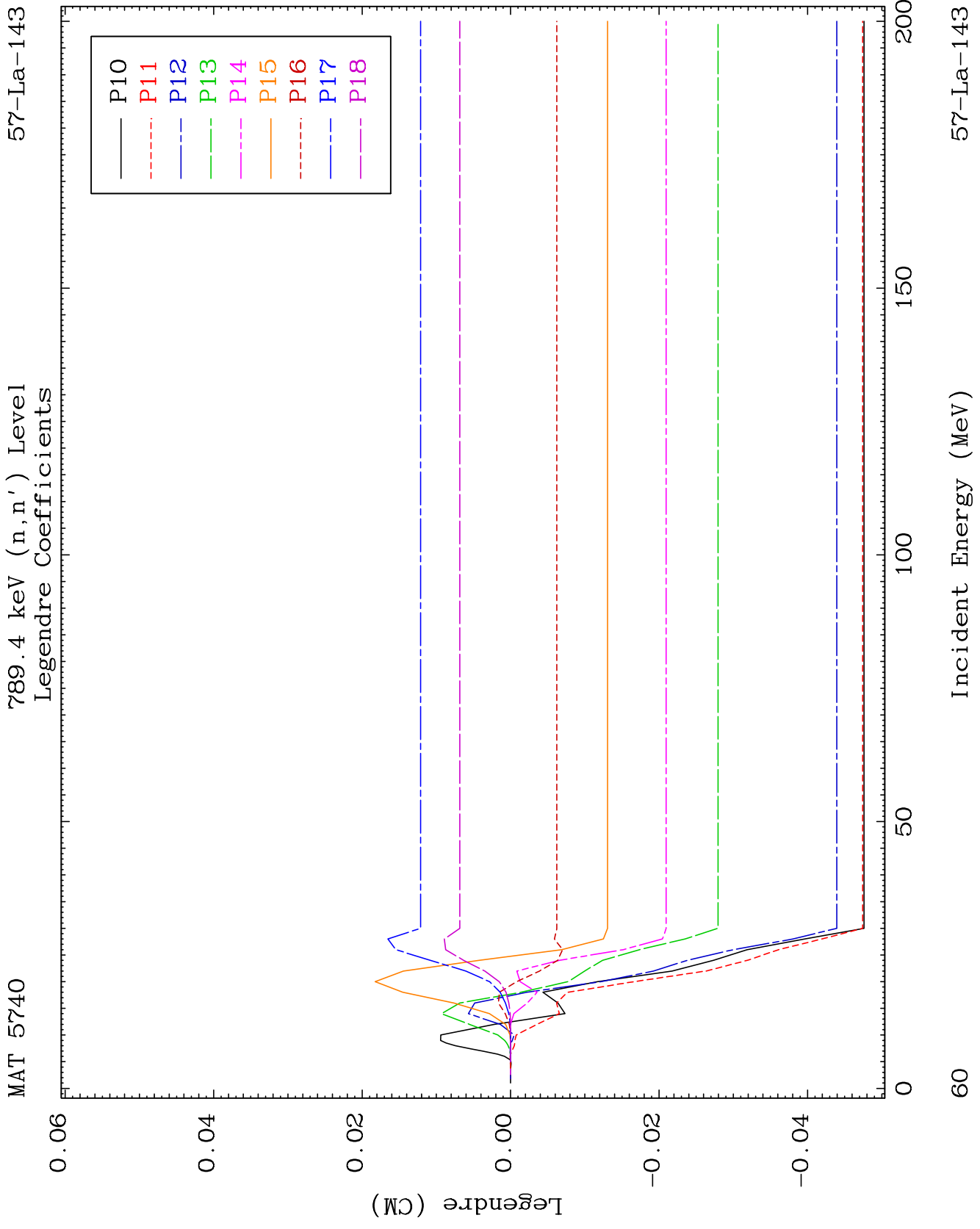
57-La-143



57-La-143

Incident Energy (MeV)

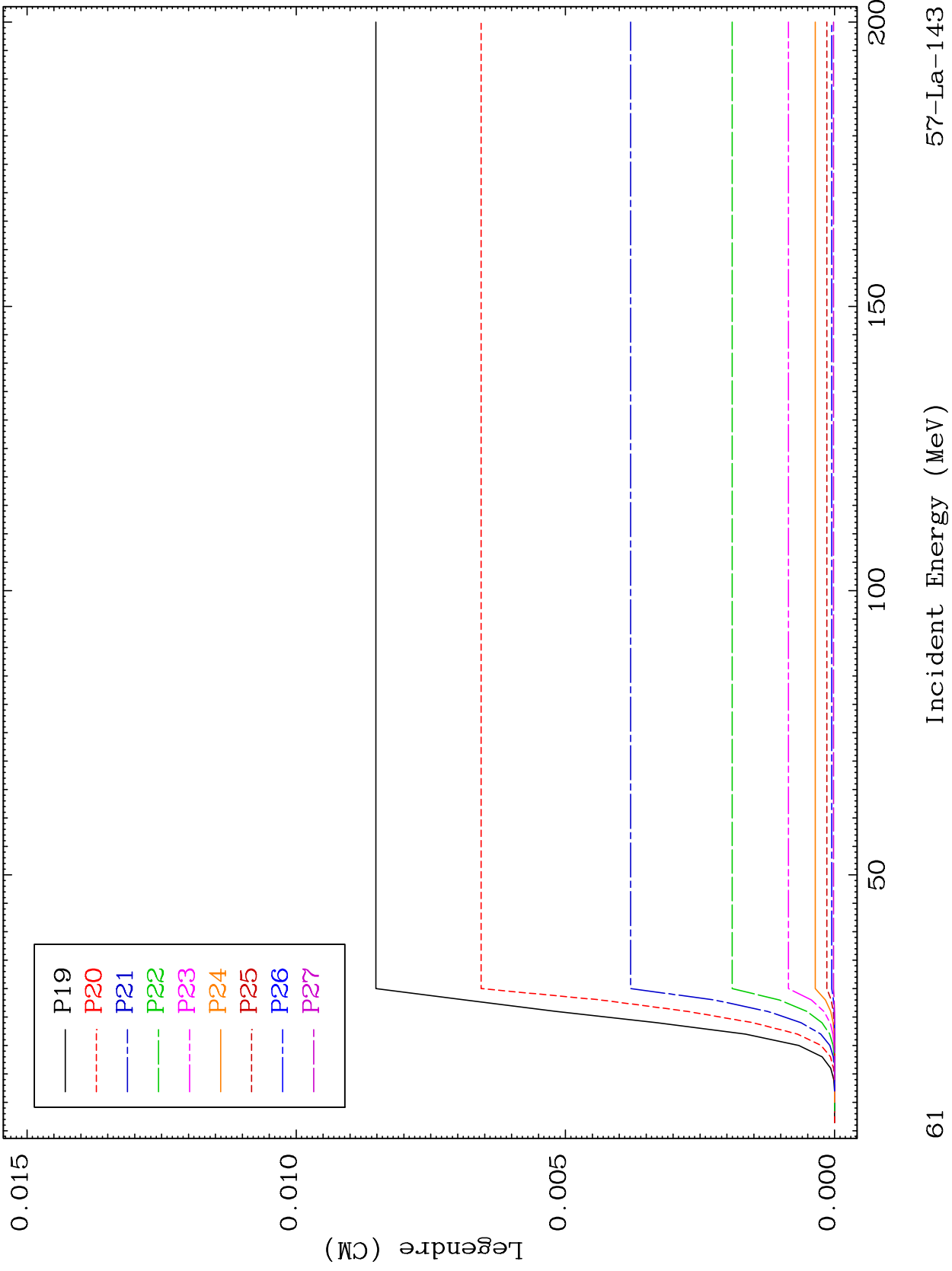
59



MAT 5740

789.4 keV (n,n') Level  
Legendre Coefficients

57-La-143



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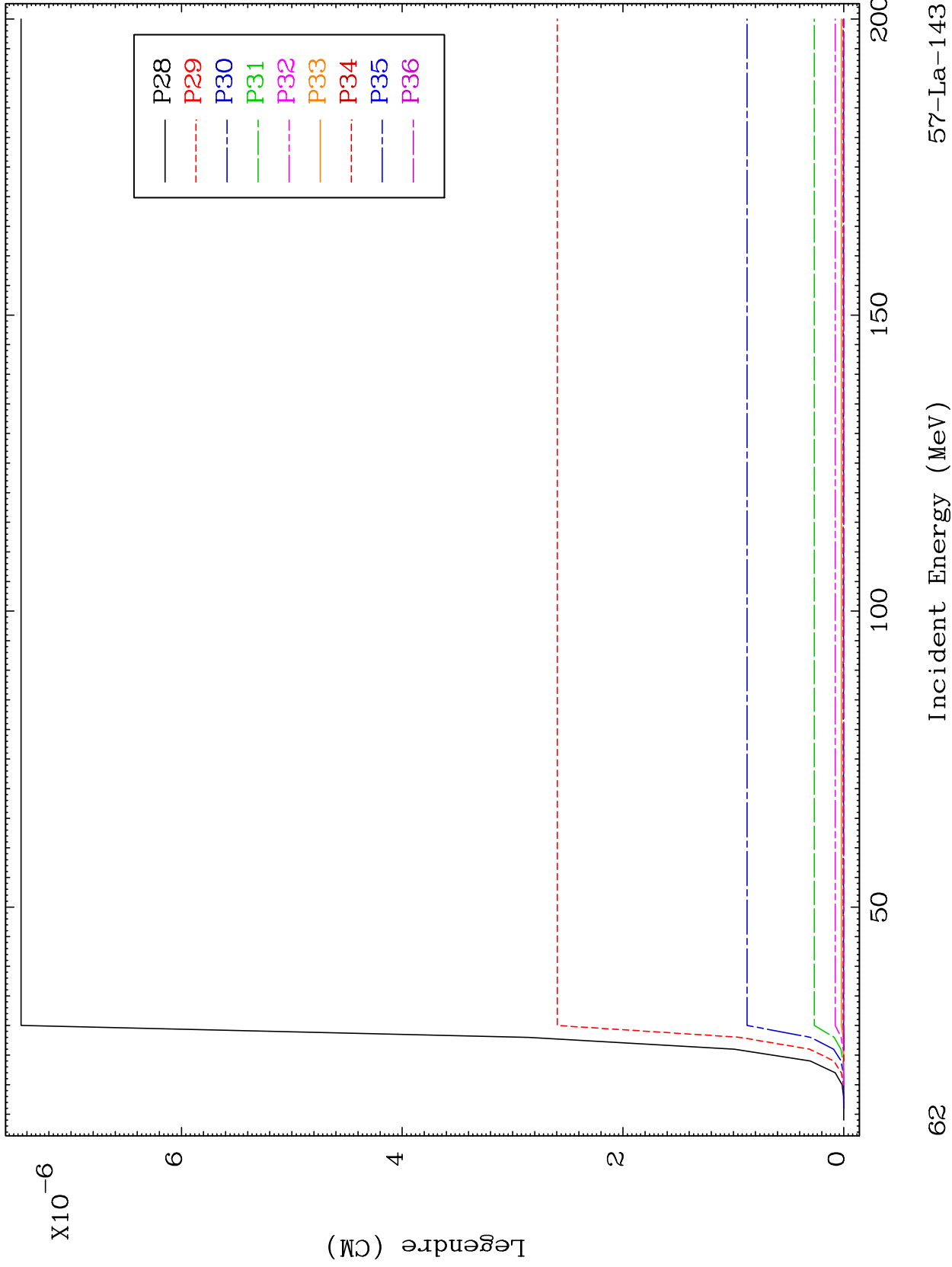
Incident Energy (MeV)

57-La-143

MAT 5740

789.4 keV (n,n') Level  
Legendre Coefficients

57-La-143



57-La-143

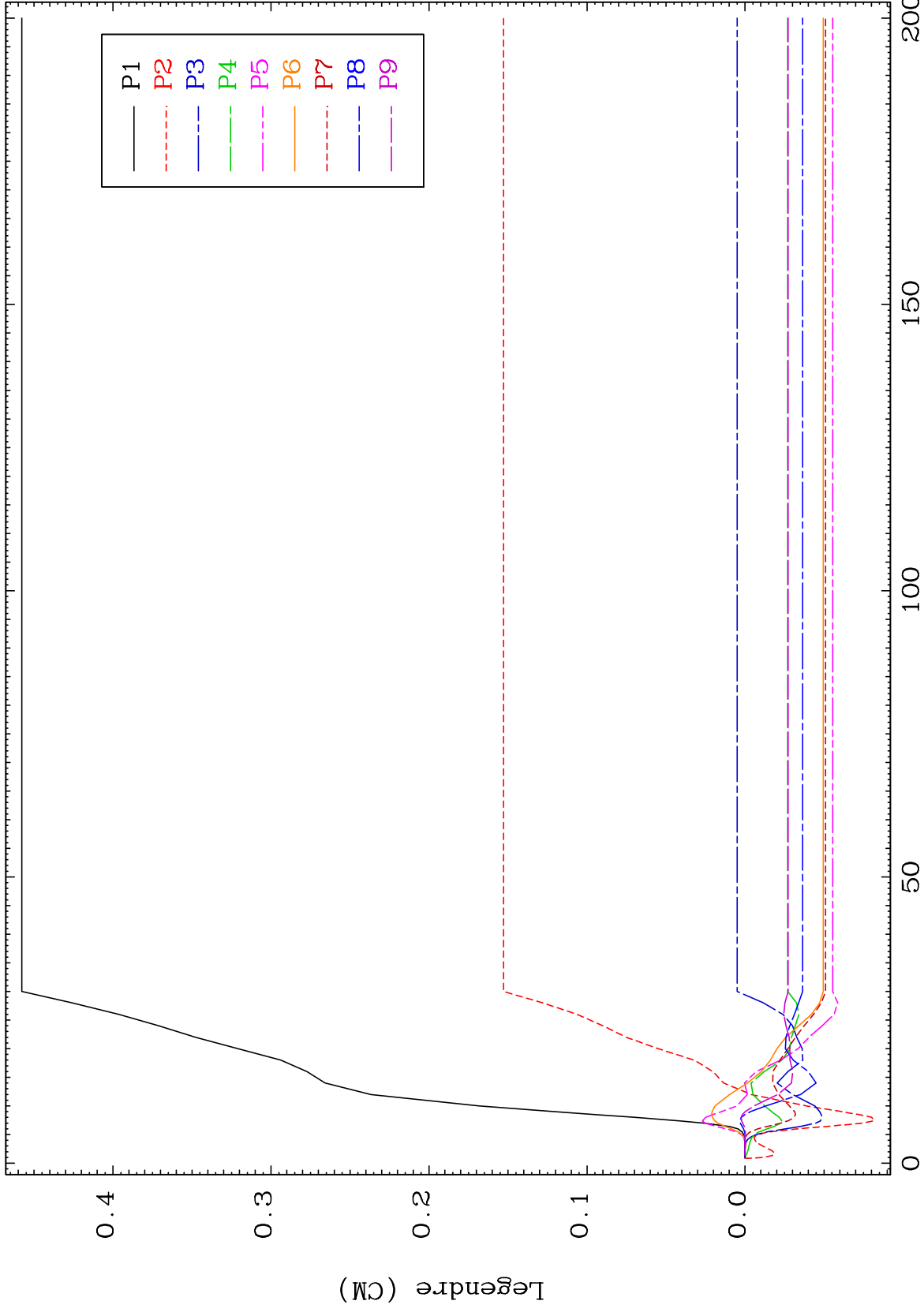
Incident Energy (MeV)

62

MAT 5740

830.7 keV (n,n') Level  
Legendre Coefficients

57-La-143



63

Incident Energy (MeV)

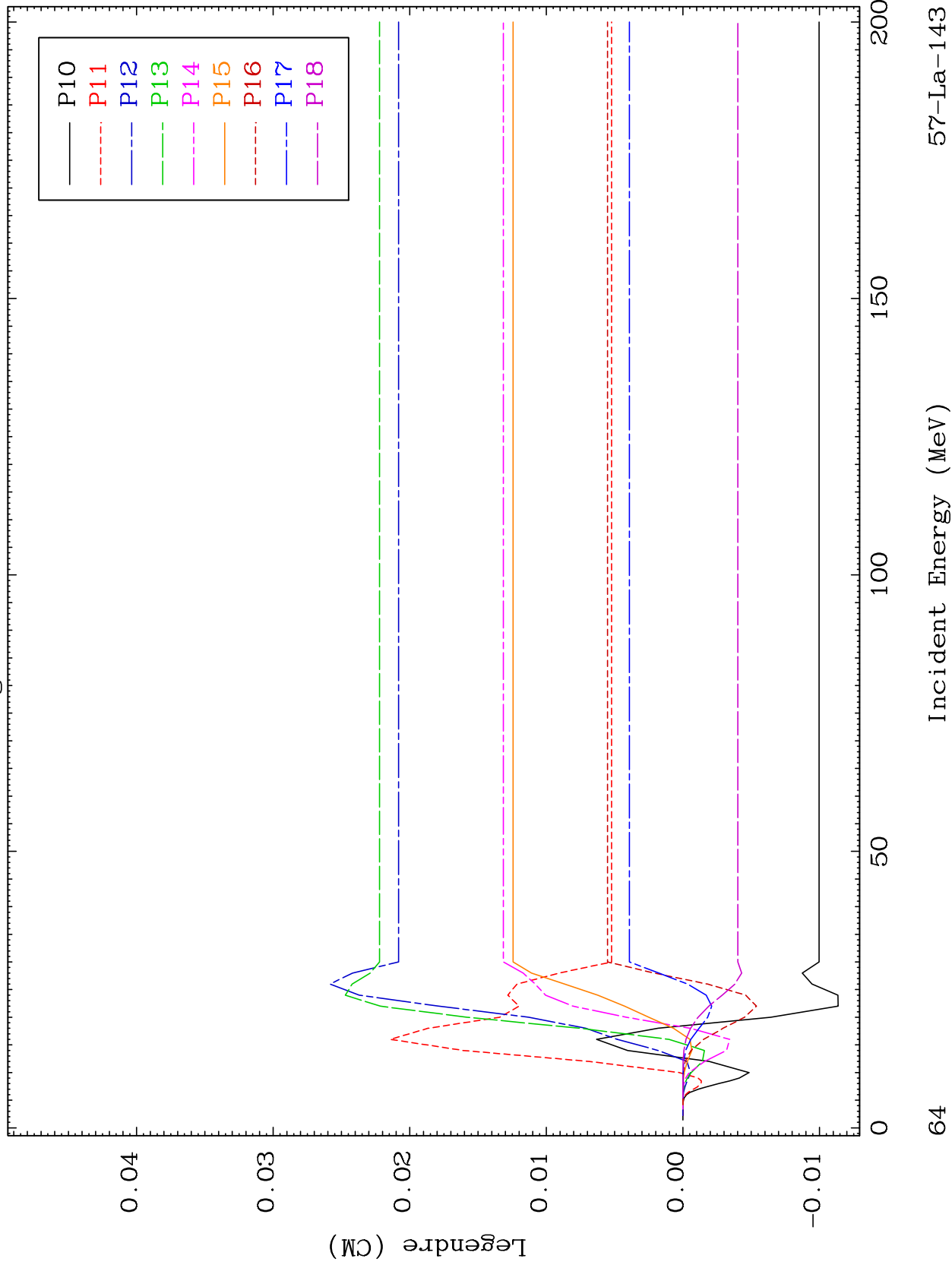
57-La-143



MAT 5740

830.7 keV (n,n') Level  
Legendre Coefficients

57-La-143



57-La-143

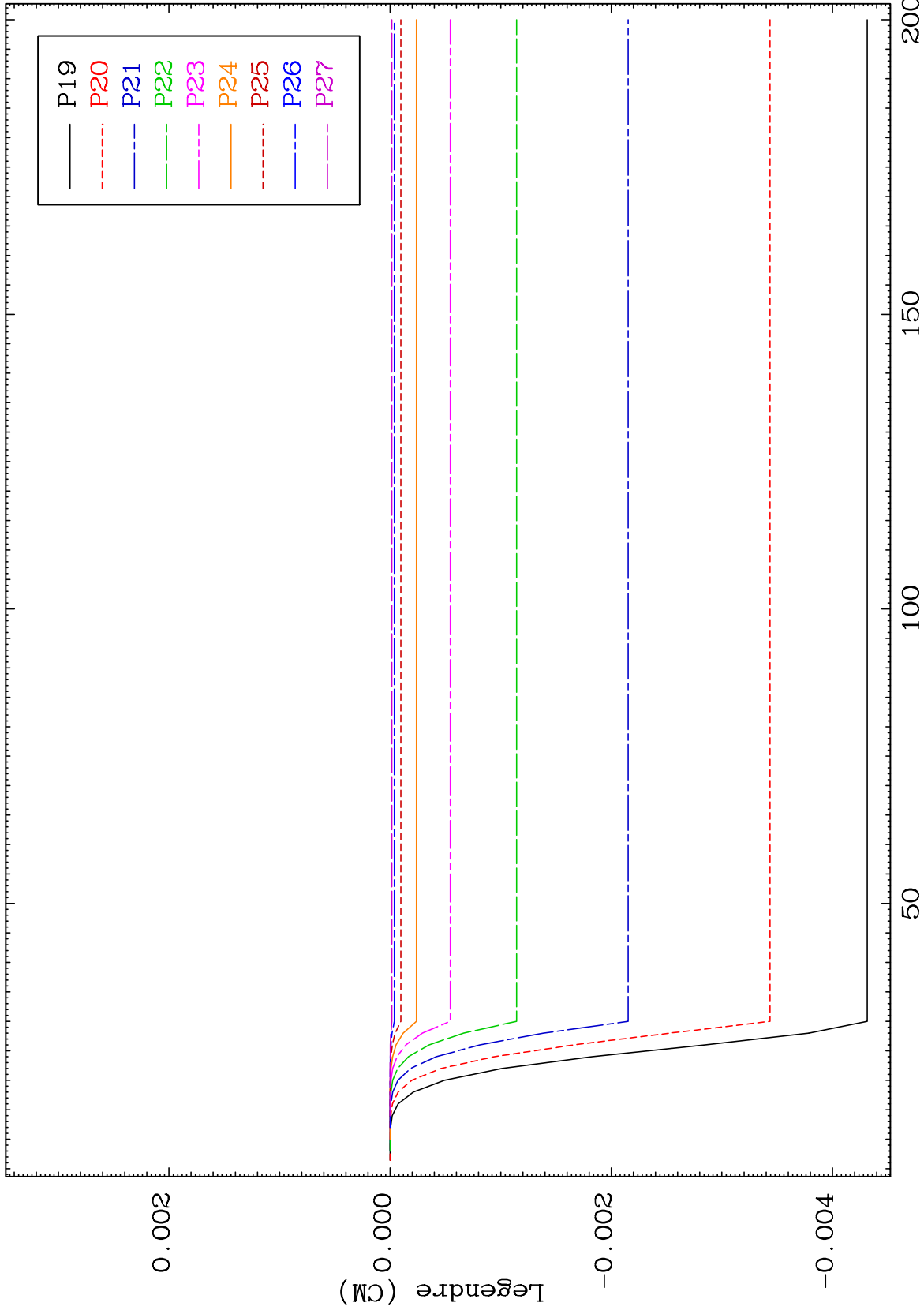
Incident Energy (MeV)

64

MAT 5740

830.7 keV (n,n') Level  
Legendre Coefficients

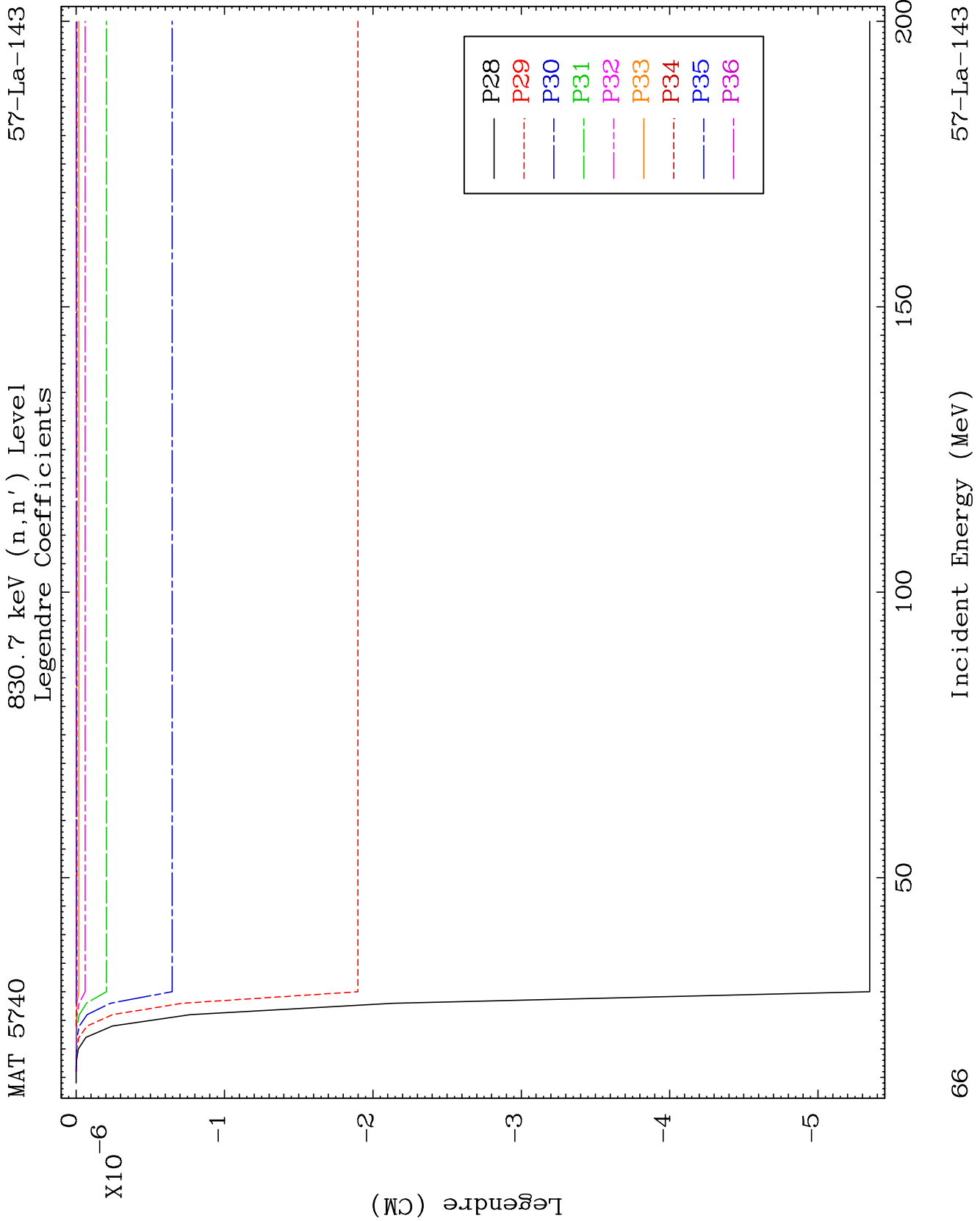
57-La-143

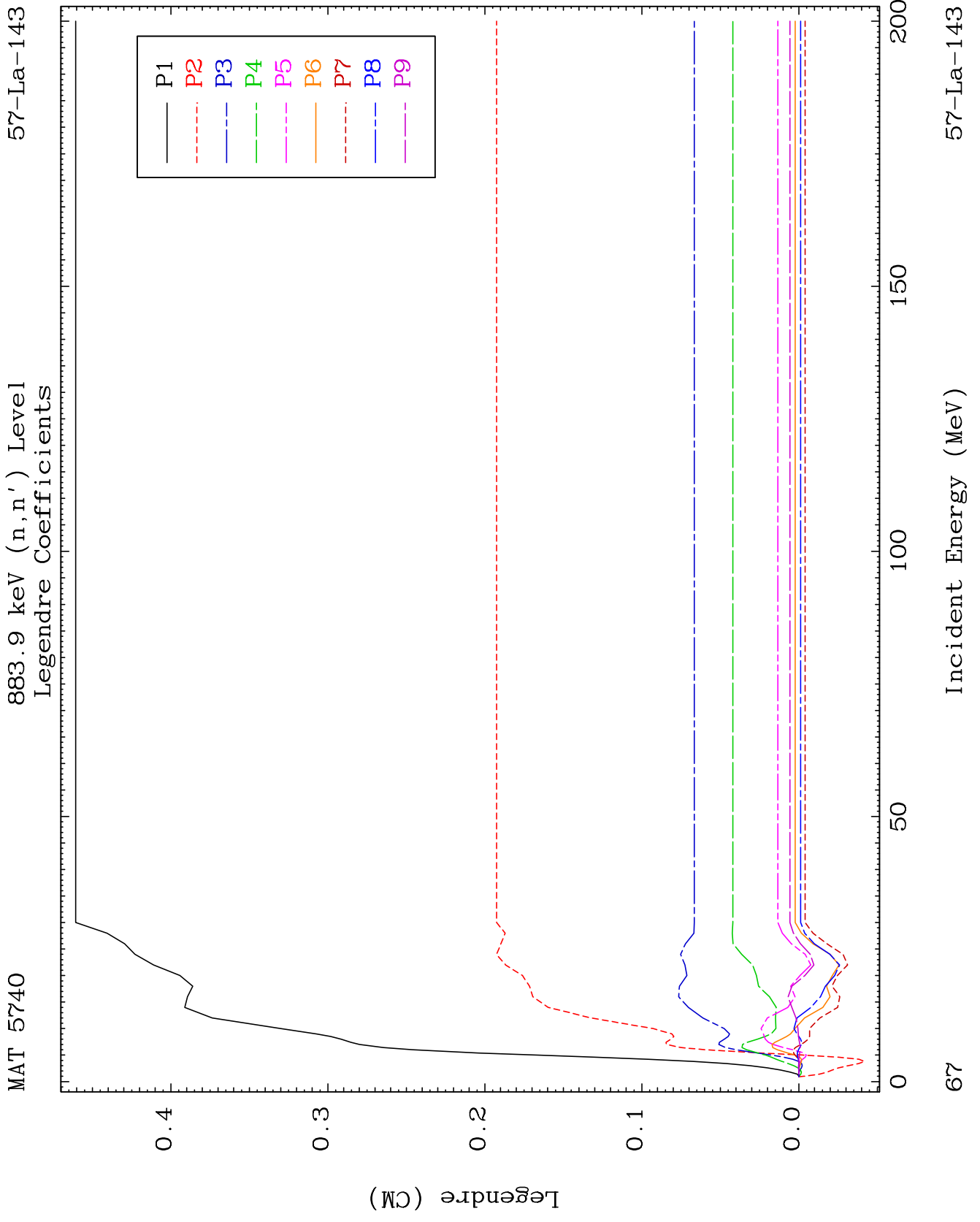


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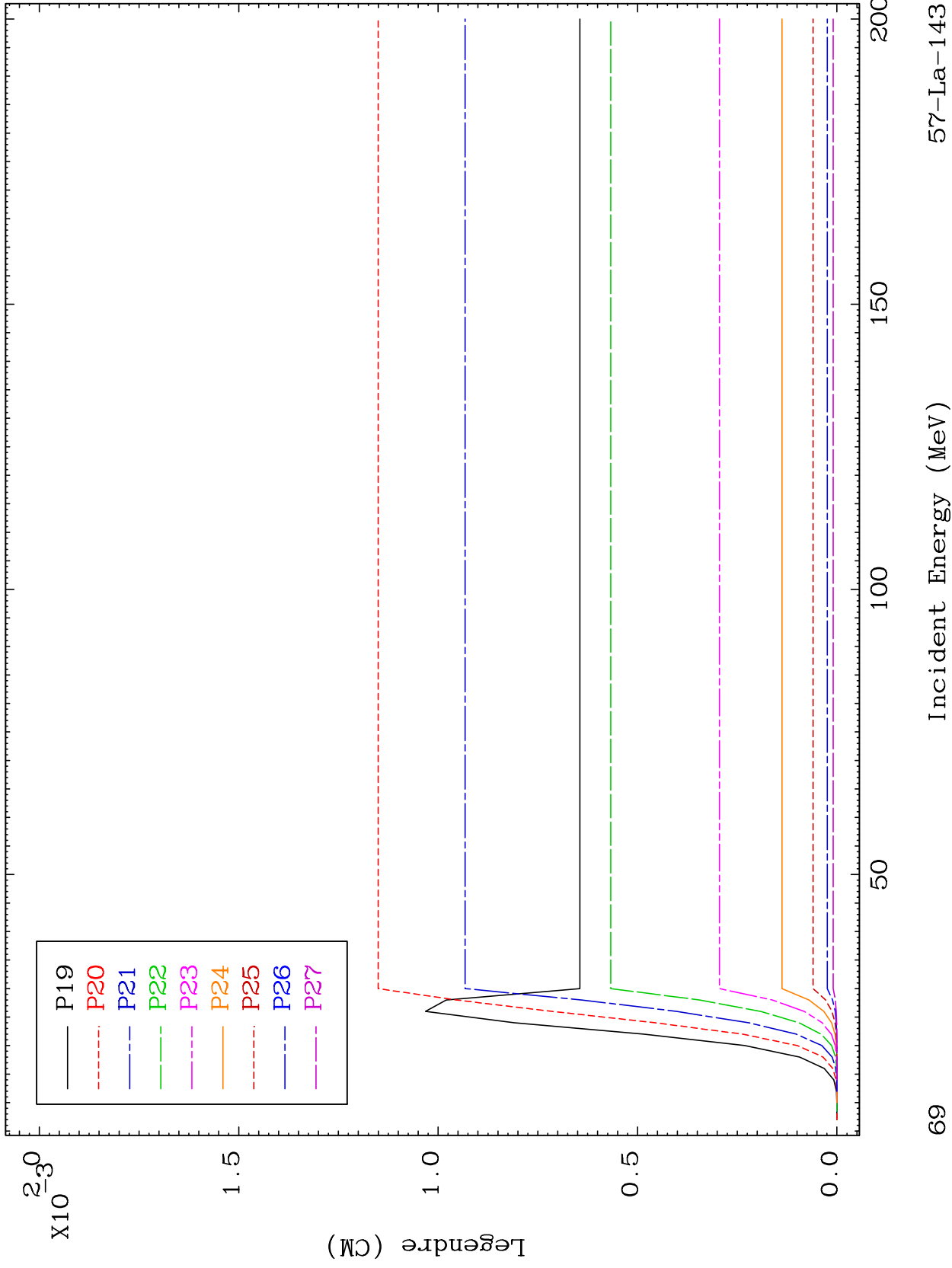
Incident Energy (MeV)

57-La-143





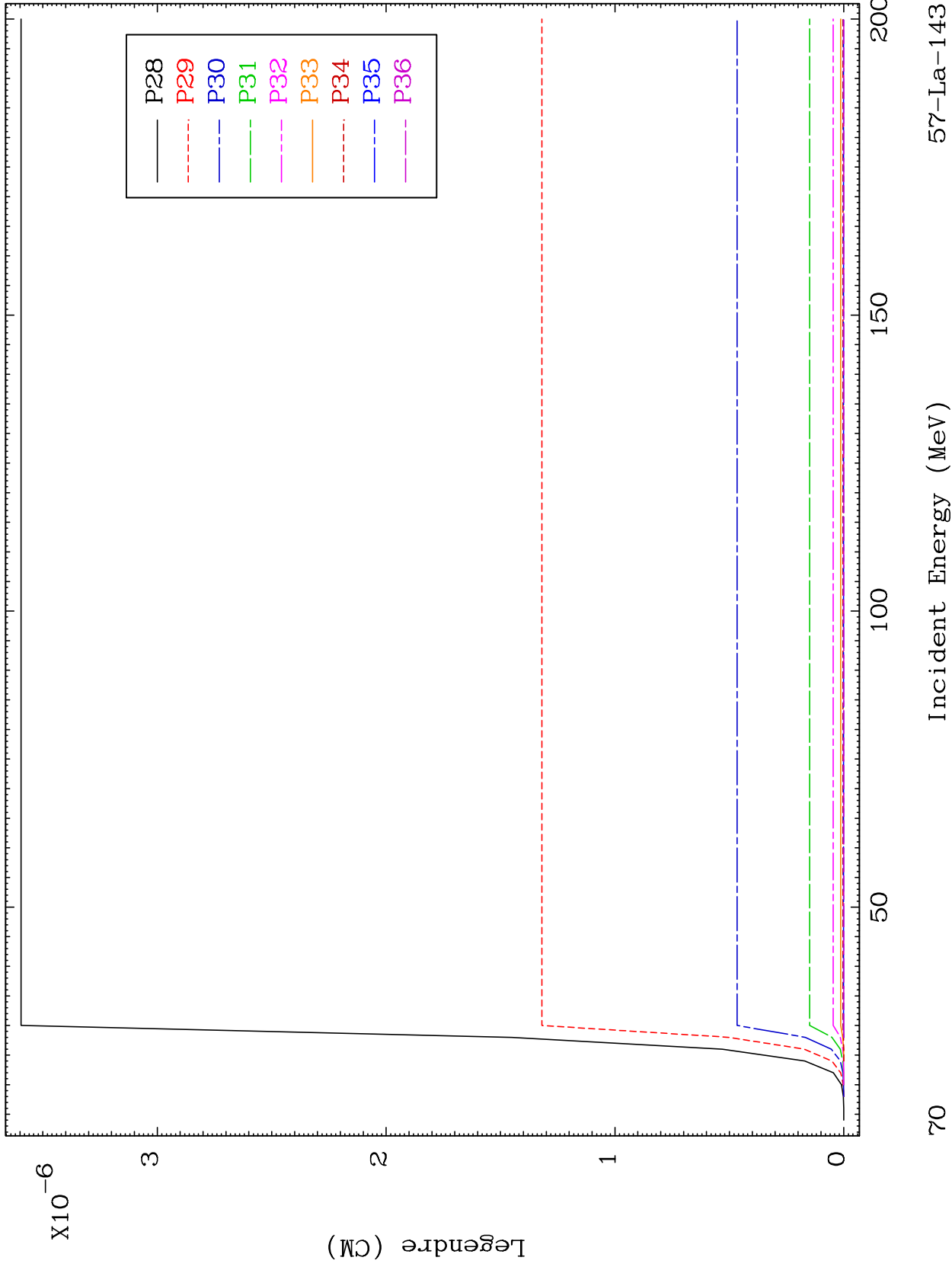




MAT 5740

883.9 keV (n,n') Level  
Legendre Coefficients

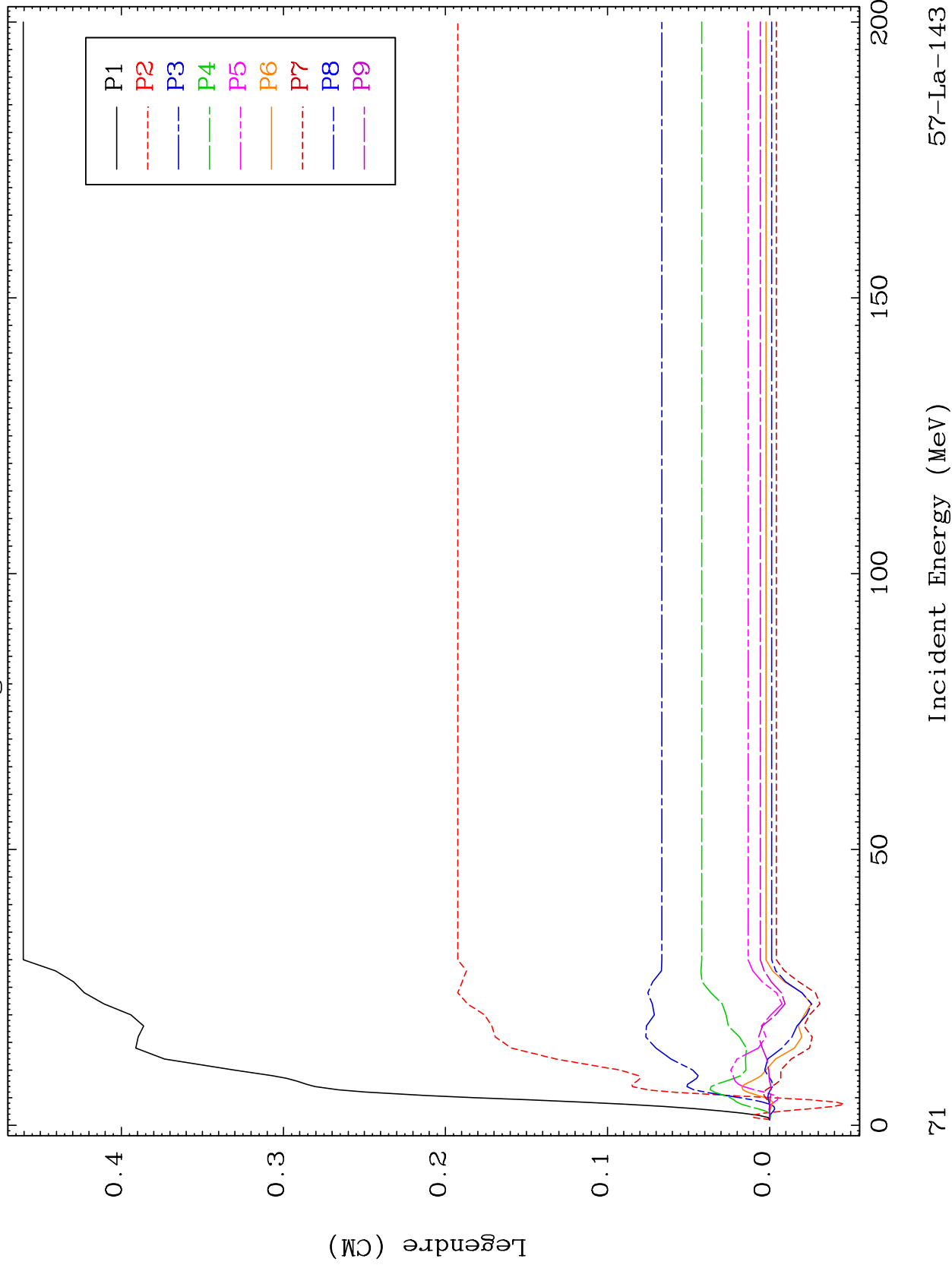
57-La-143



MAT 5740

924.9 keV (n,n') Level  
Legendre Coefficients

57-La-143



57-La-143

Incident Energy (MeV)

71

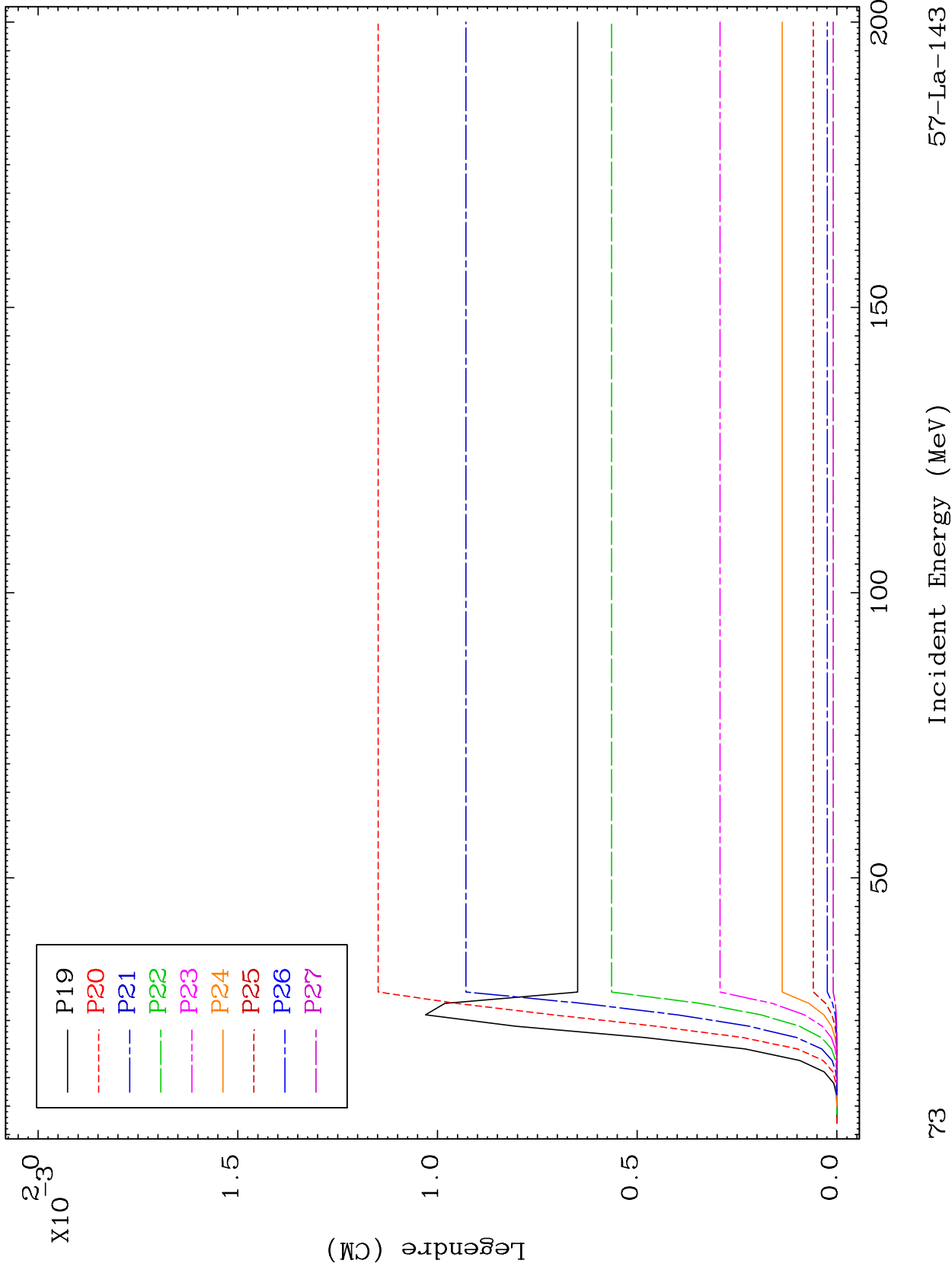




MAT 5740

924.9 keV (n, n') Level  
Legendre Coefficients

57-La-143



73

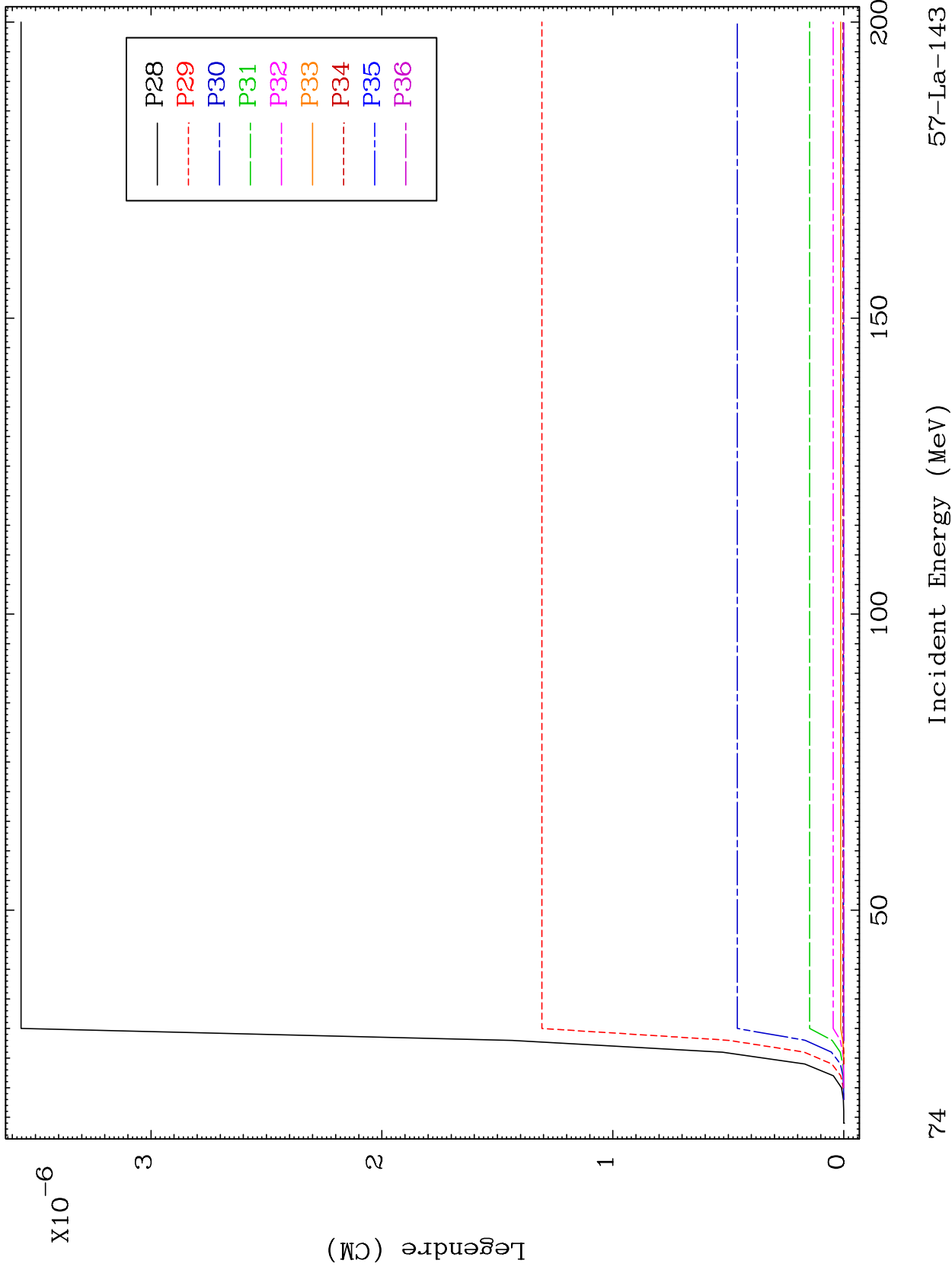
Incident Energy (MeV)

57-La-143

MAT 5740

924.9 keV (n,n') Level  
Legendre Coefficients

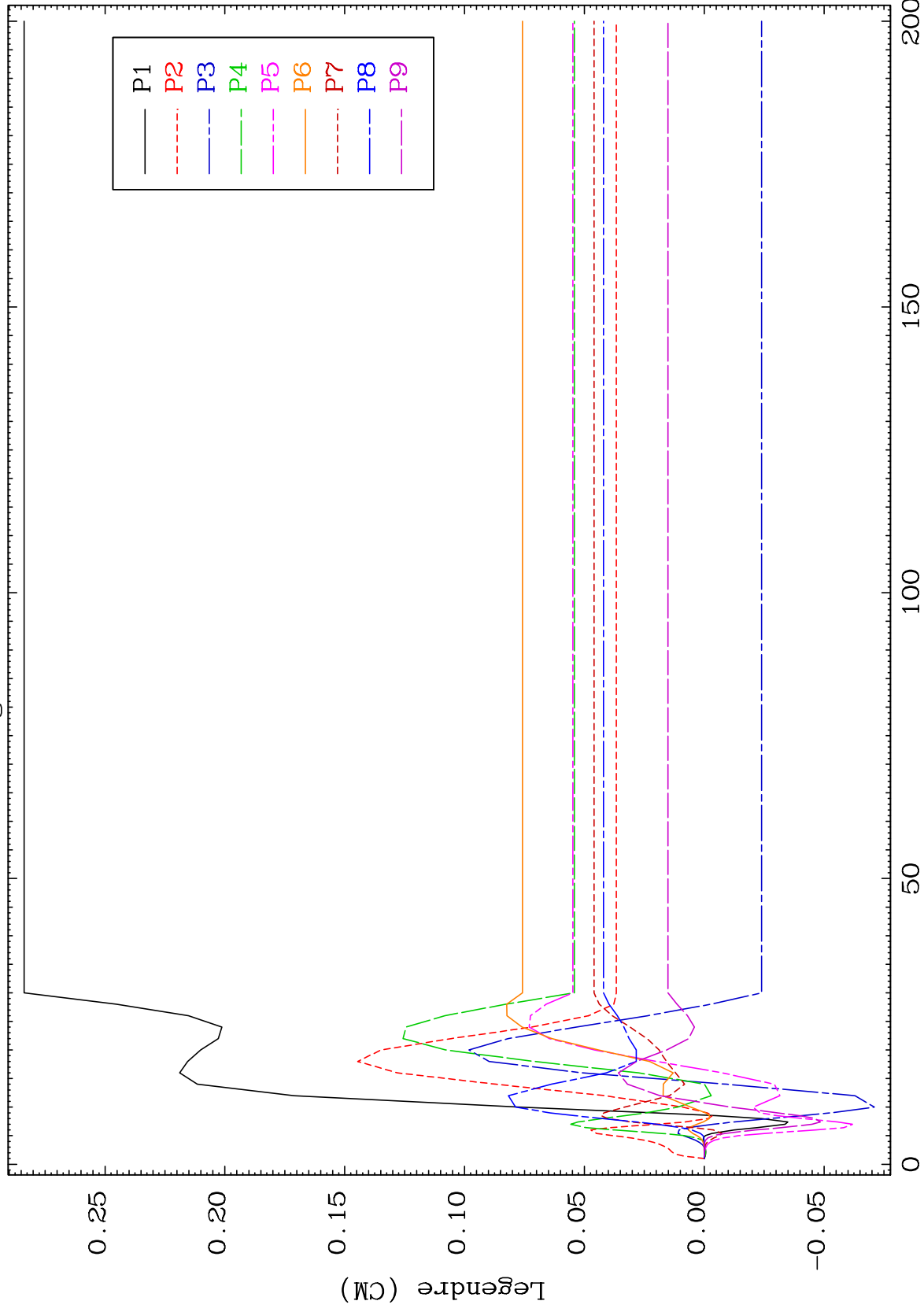
57-La-143



MAT 5740

956.2 keV (n,n') Level  
Legendre Coefficients

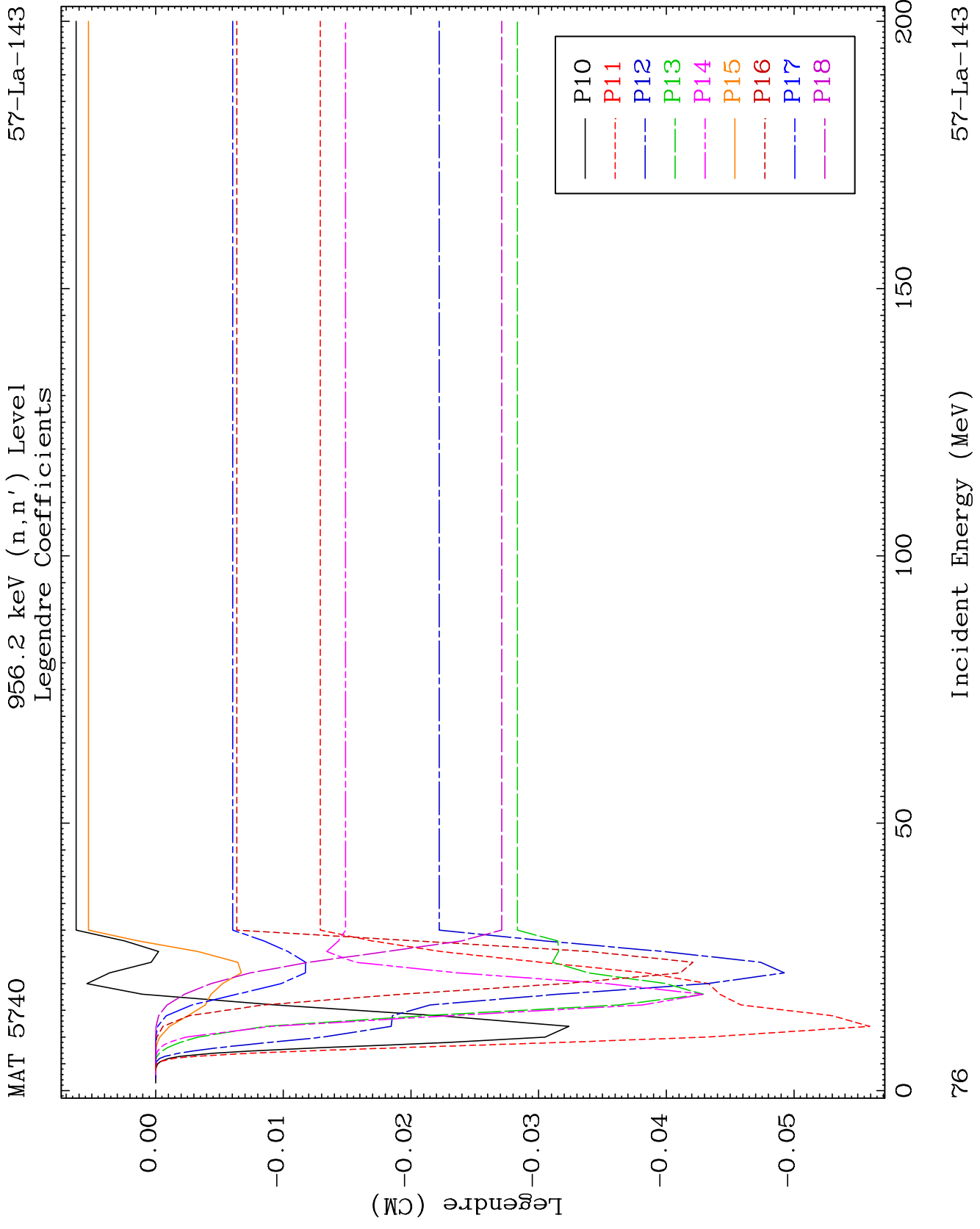
57-La-143

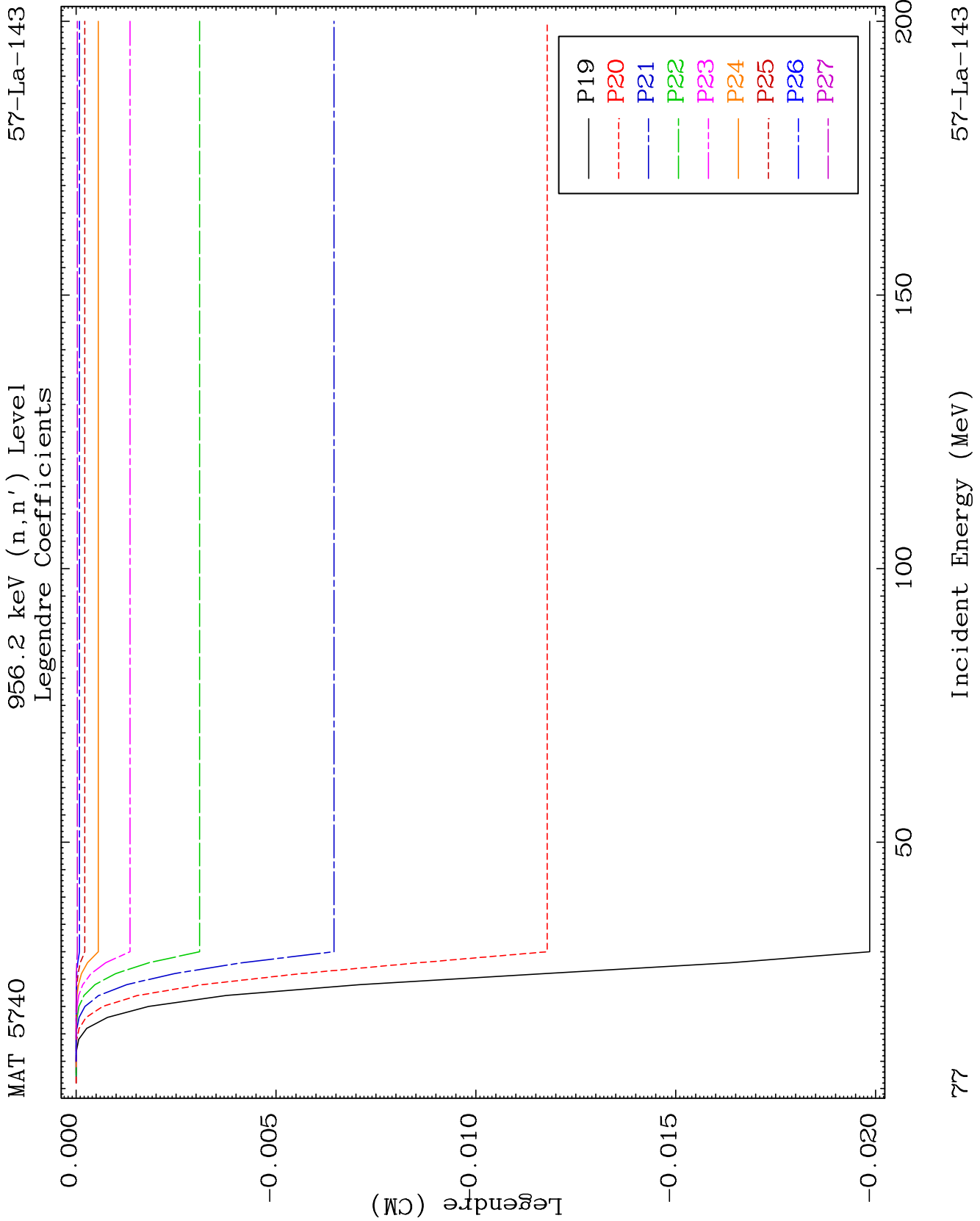


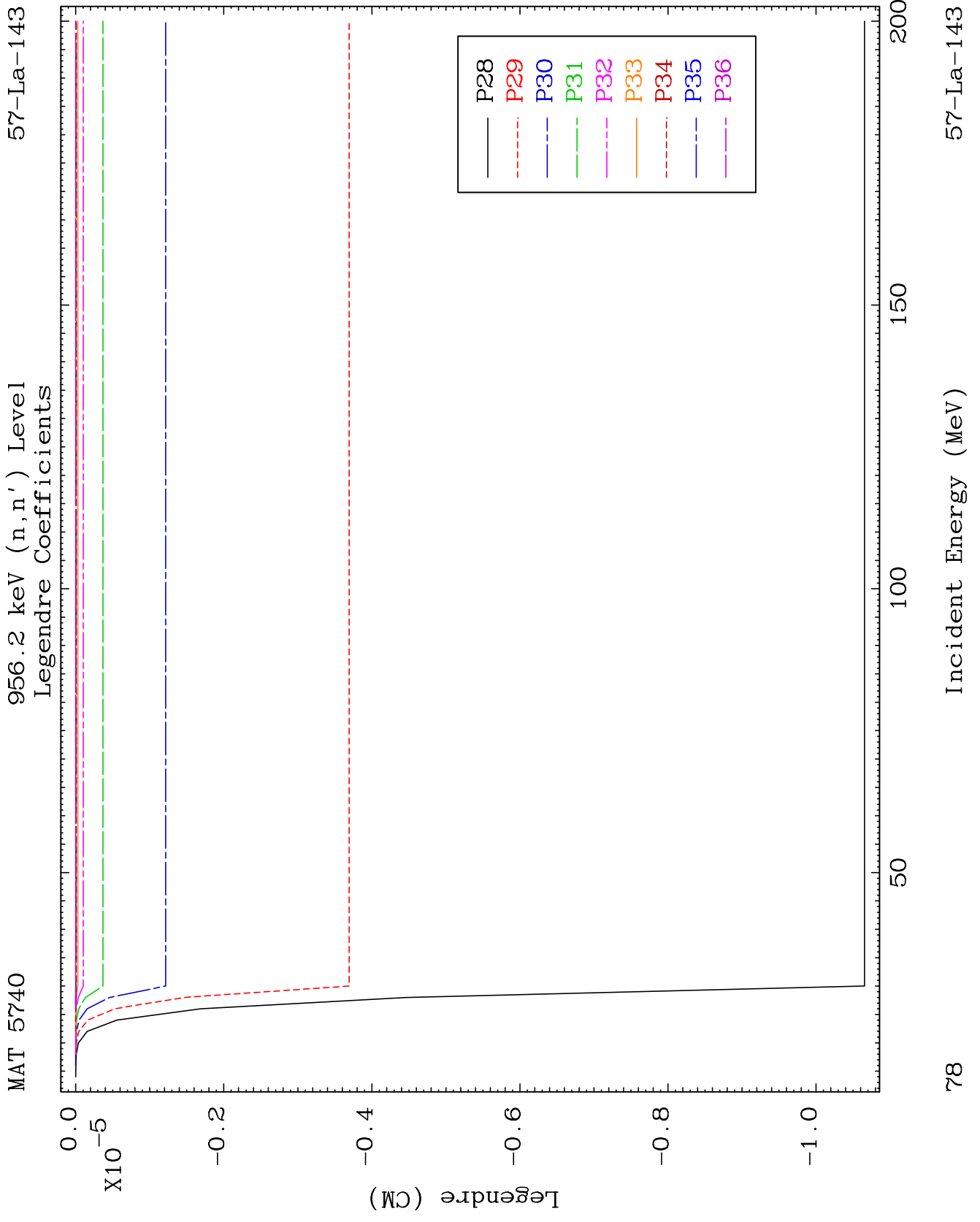
75

Incident Energy (MeV)

57-La-143



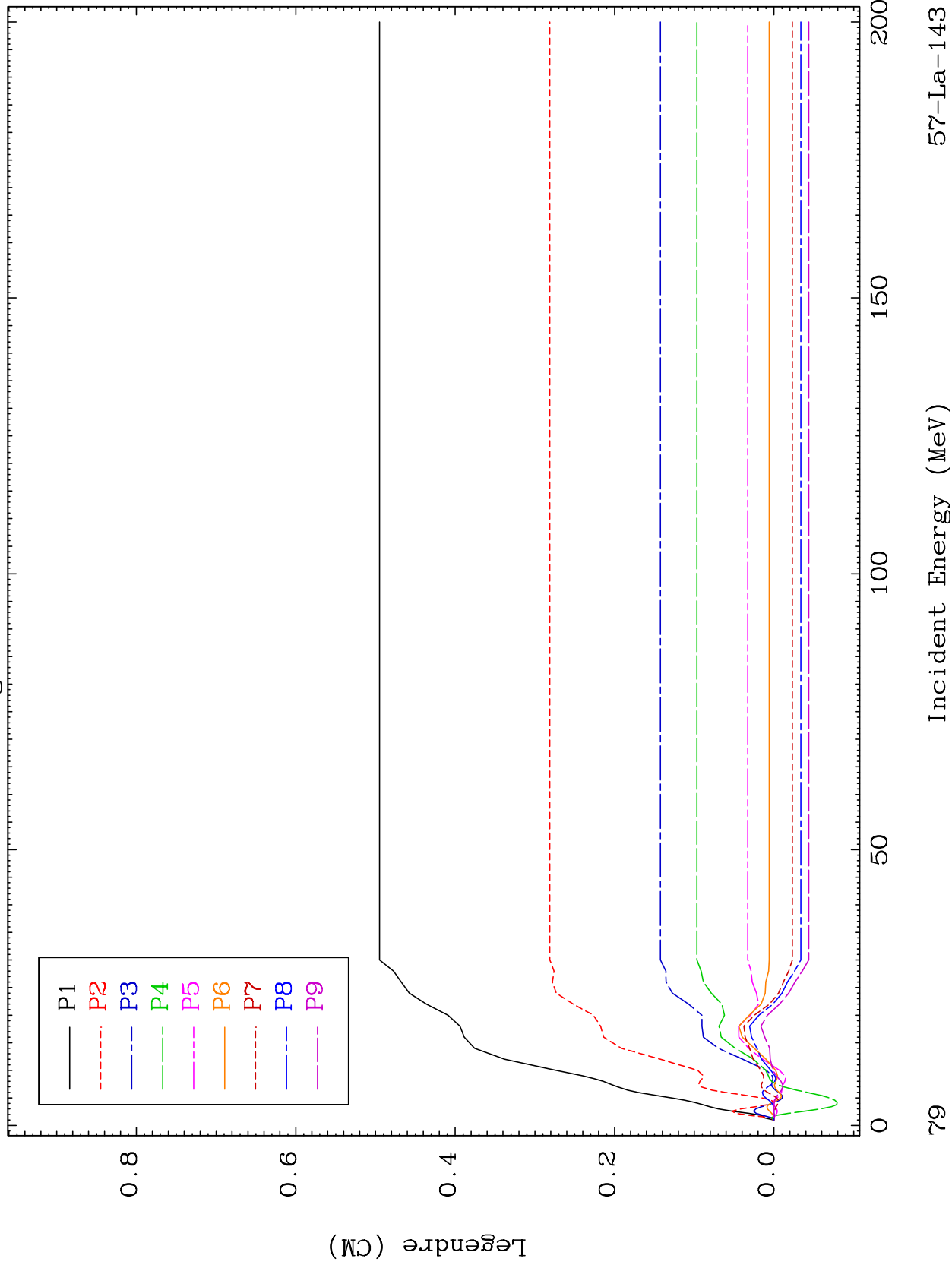




MAT 5740

973.1 keV (n,n') Level  
Legendre Coefficients

57-La-143

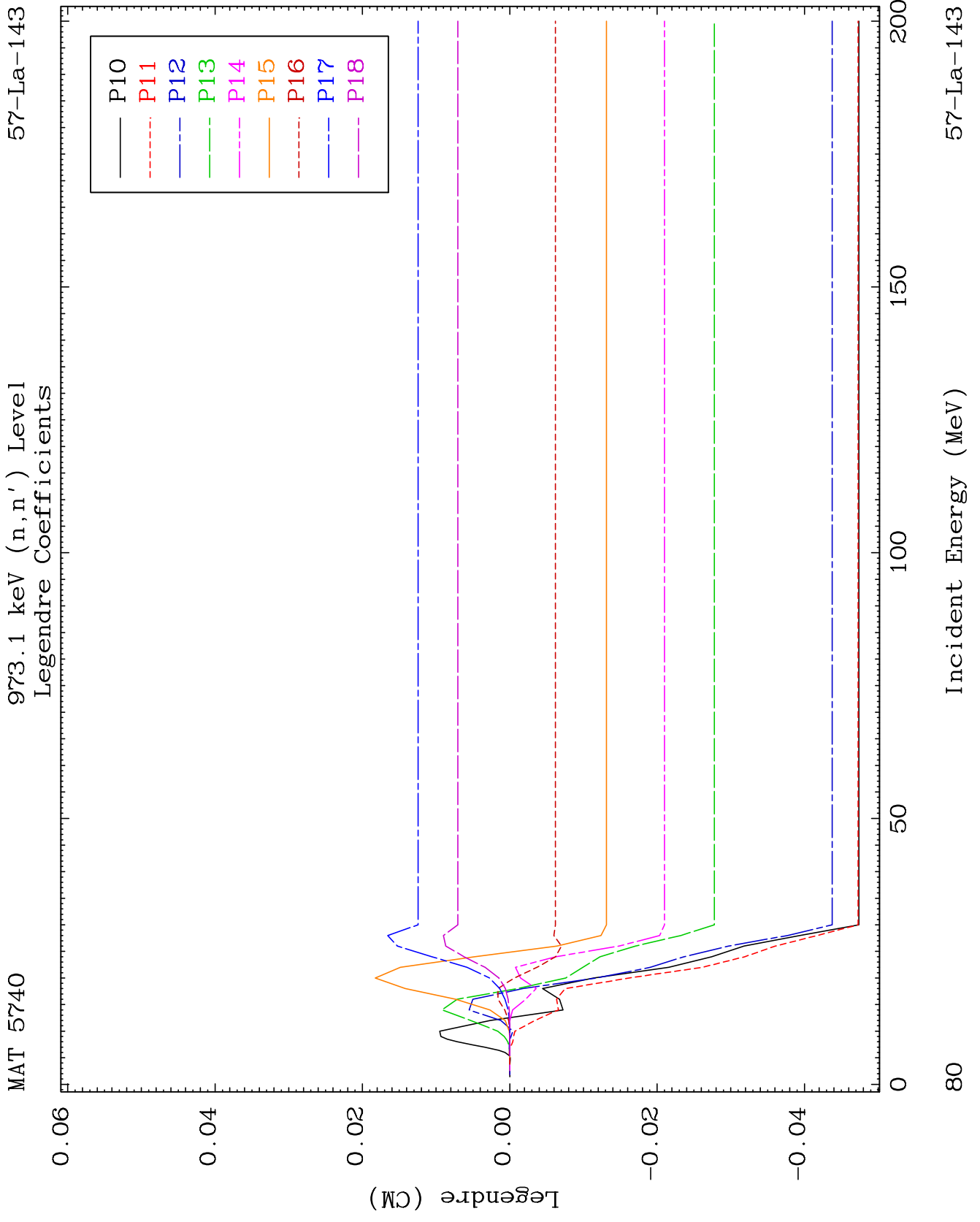


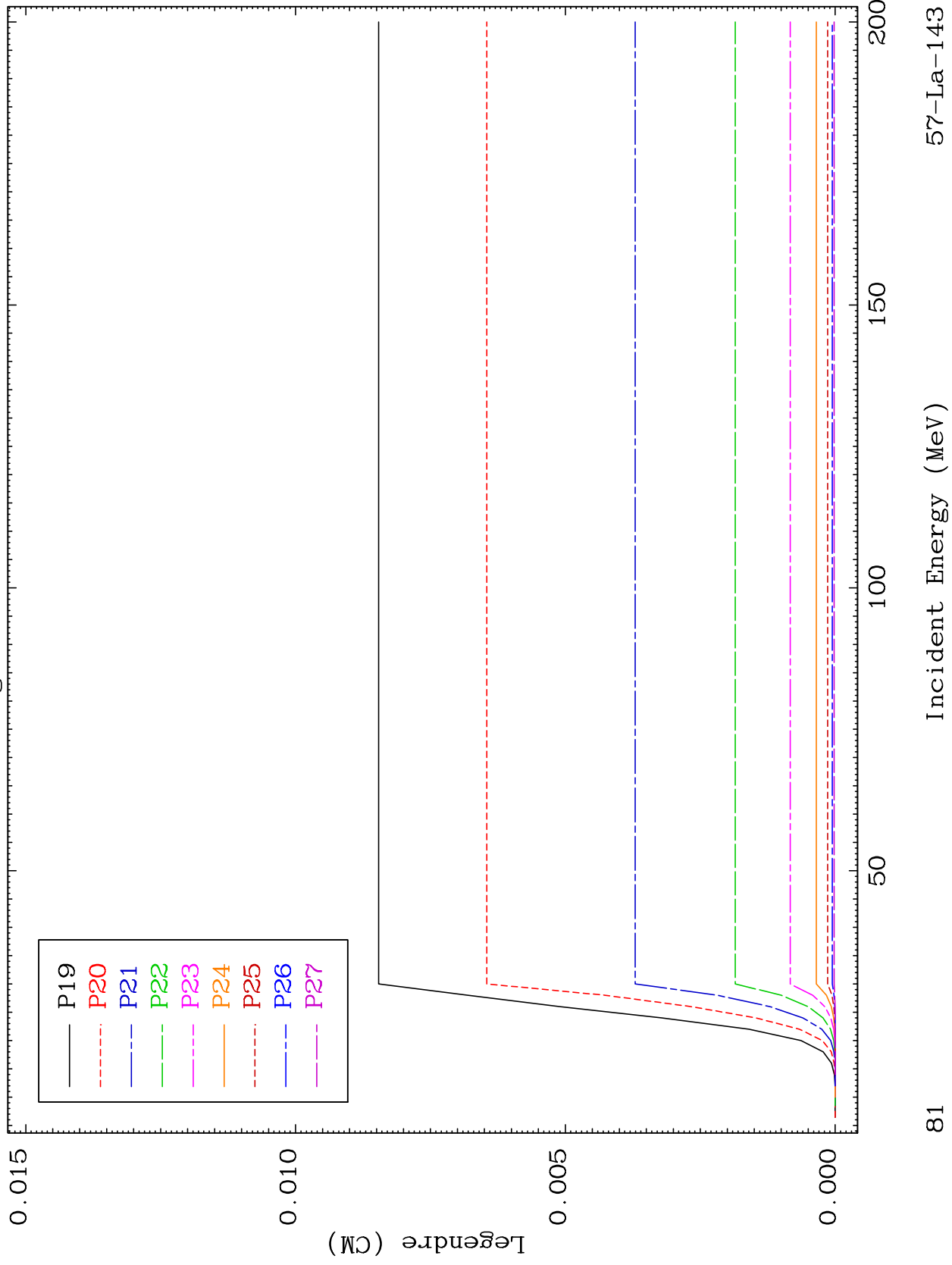
57-La-143

Incident Energy (MeV)

79



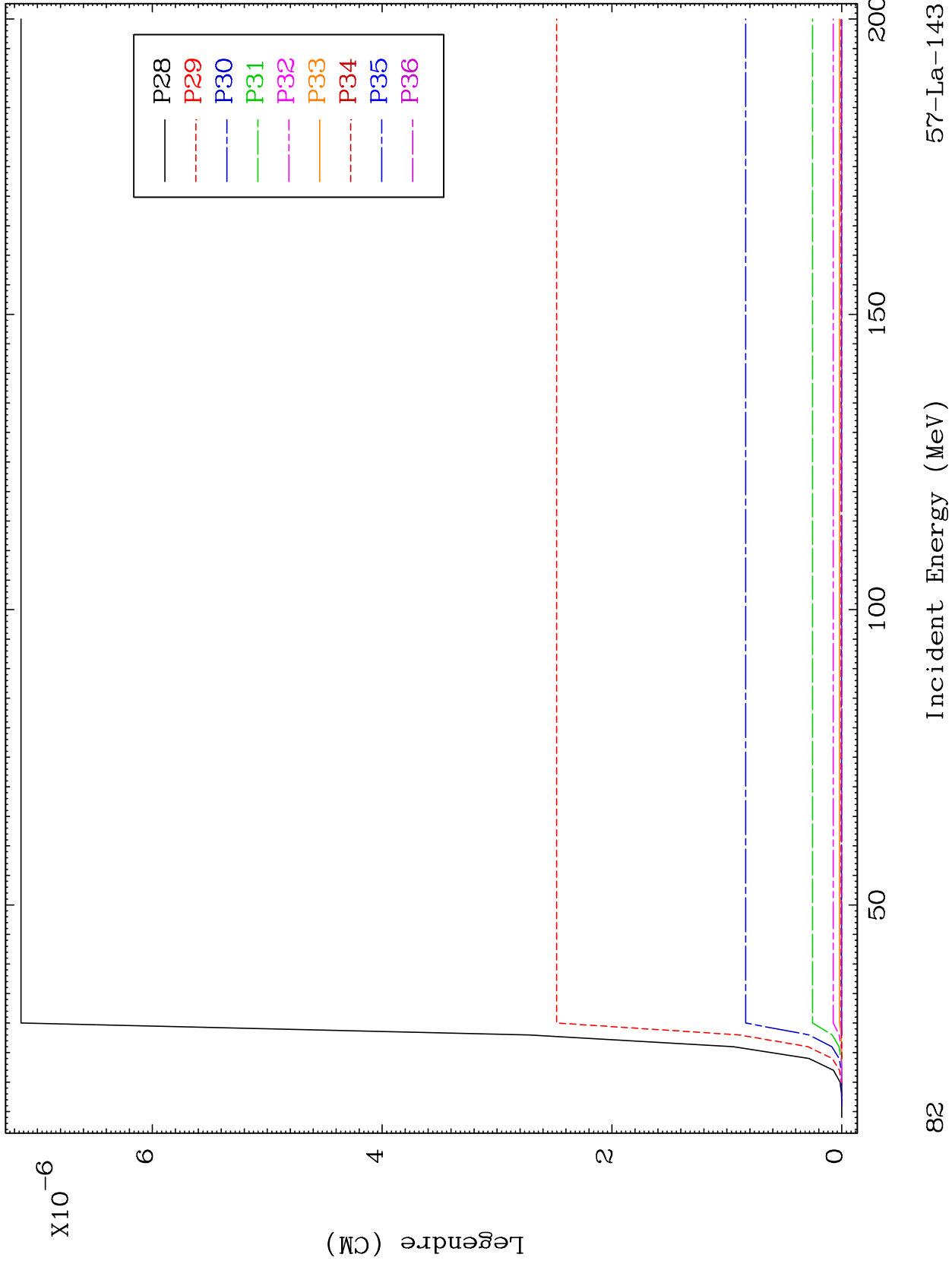




MAT 5740

973.1 keV (n,n') Level  
Legendre Coefficients

57-La-143

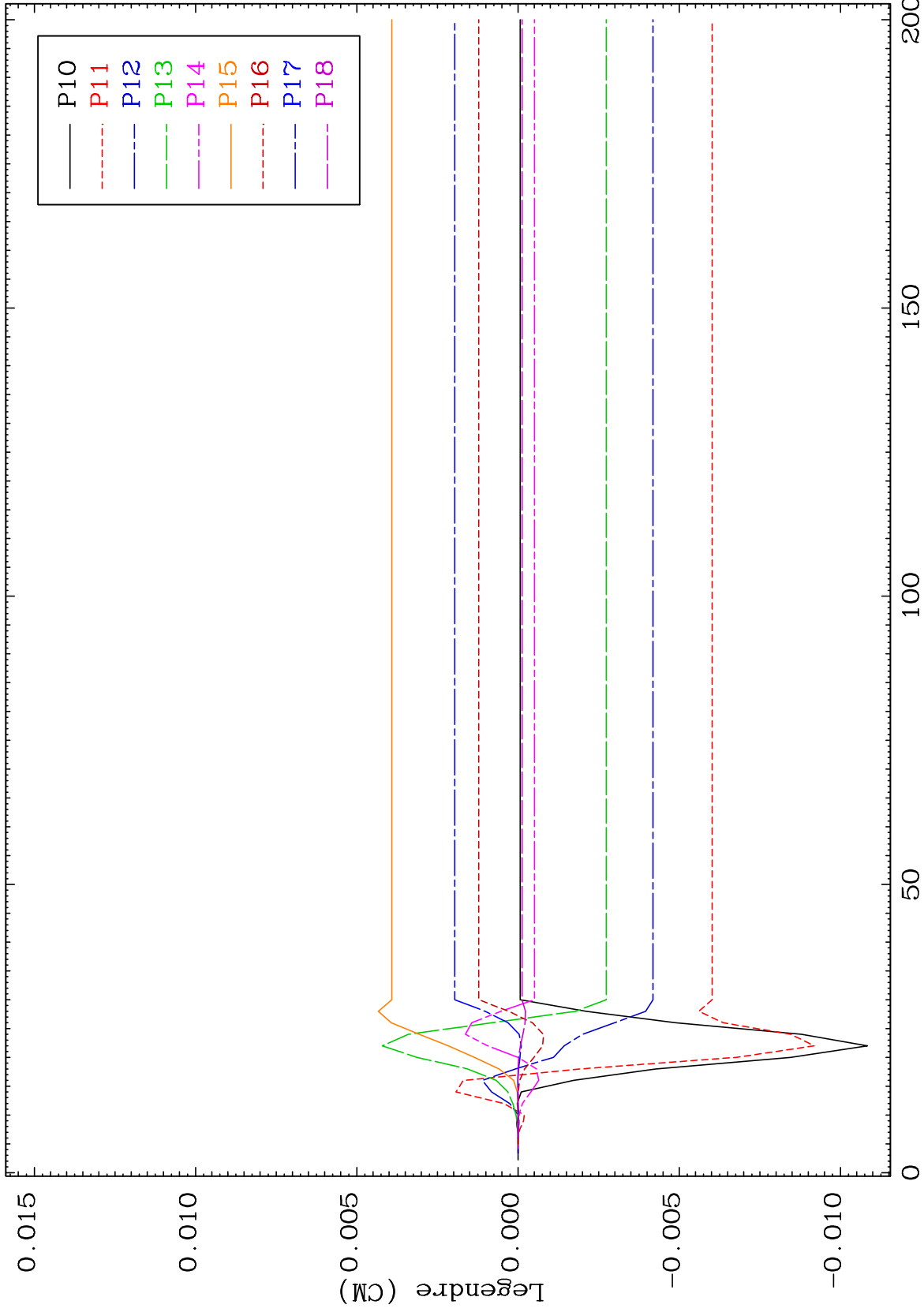




MAT 5740

1.010 MeV (n,n') Level  
Legendre Coefficients

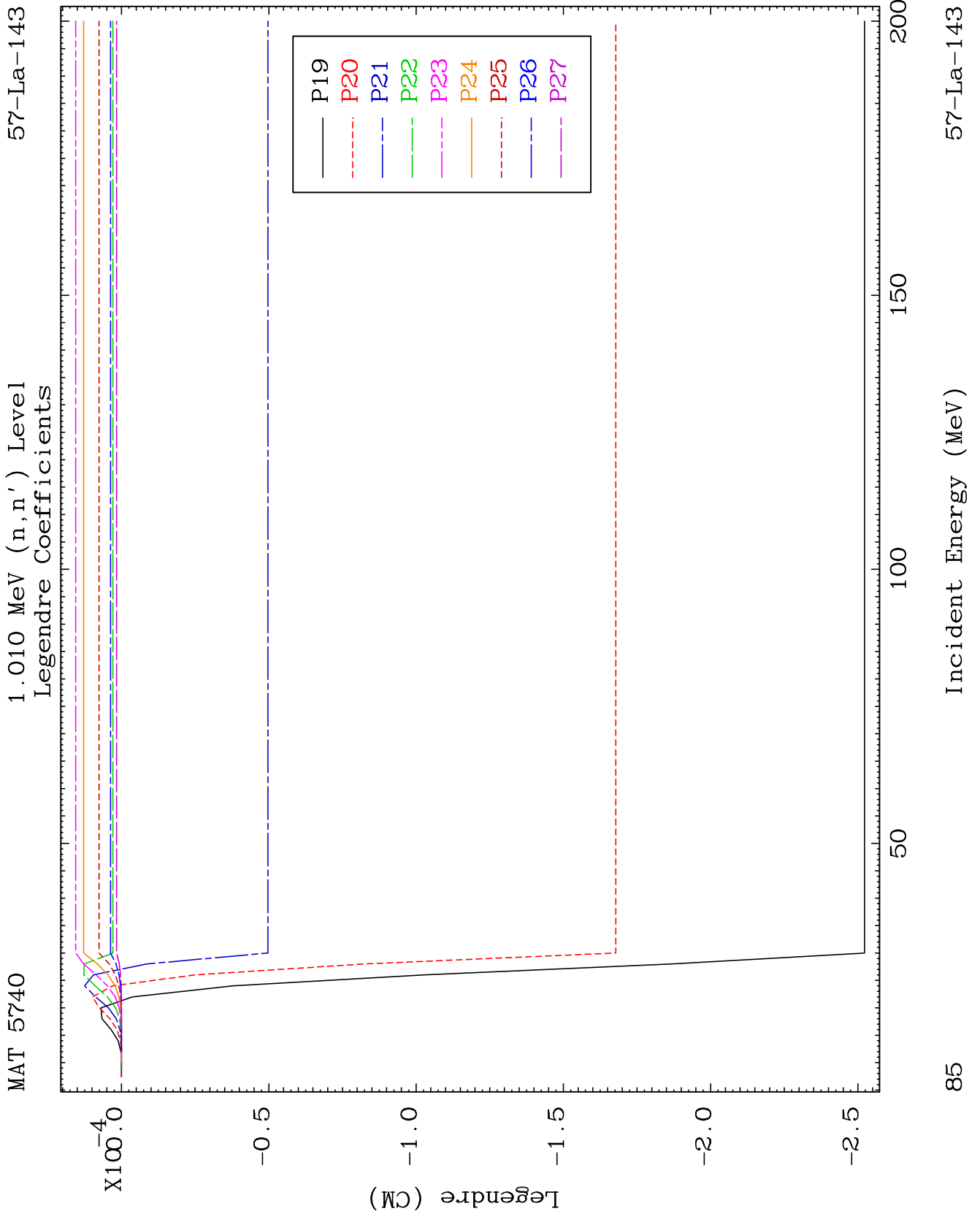
57-La-143

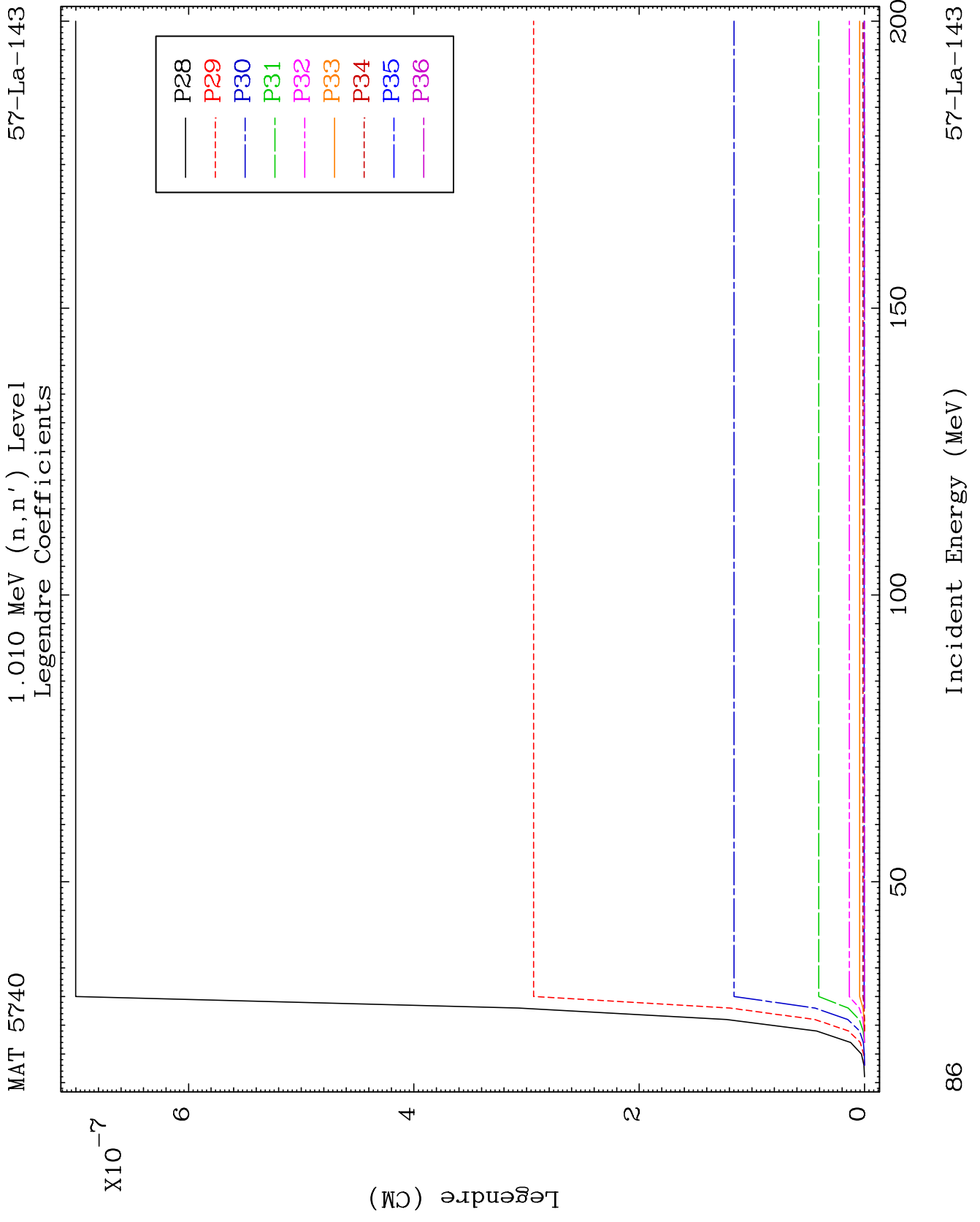


84

Incident Energy (MeV)

57-La-143

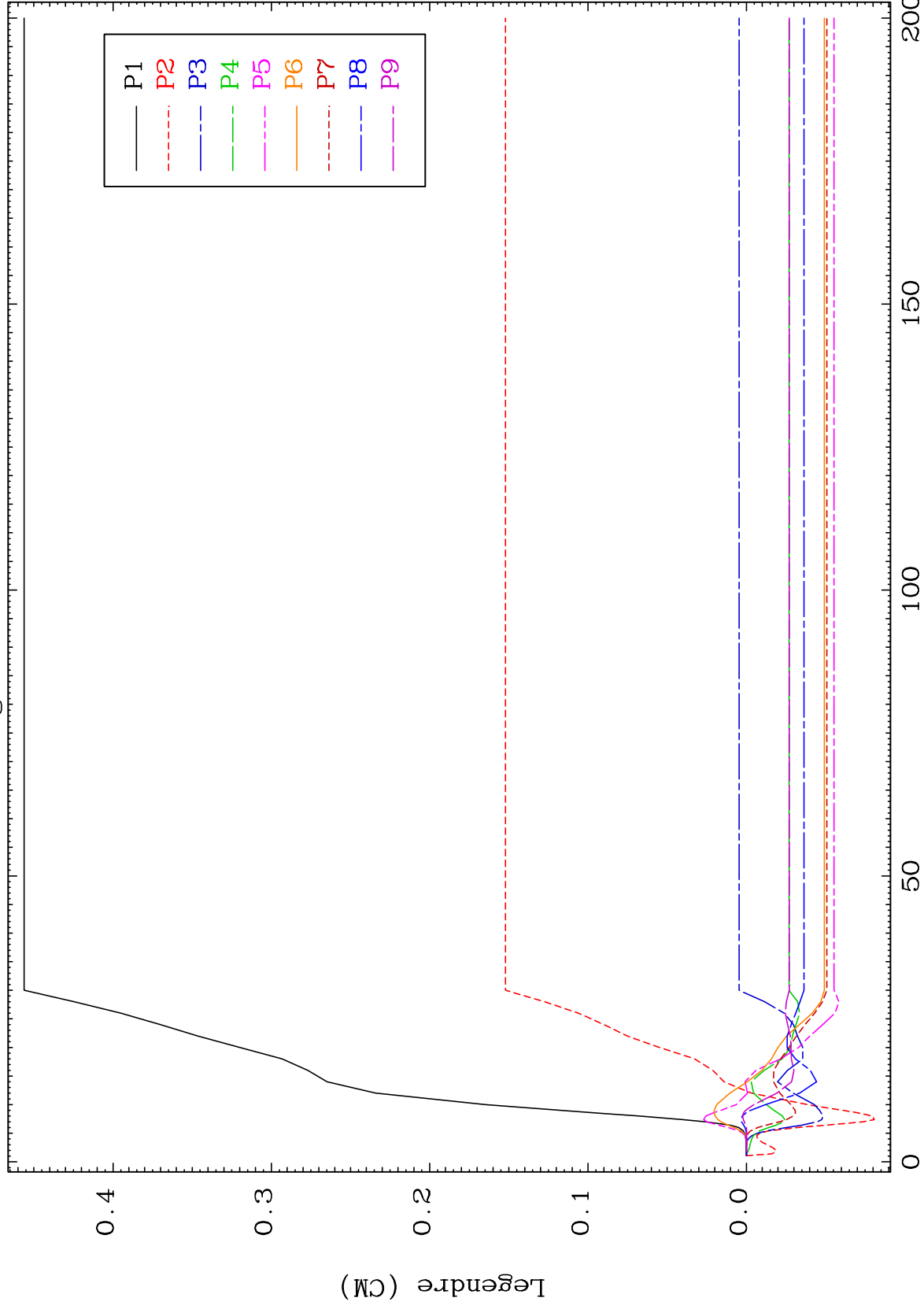




MAT 5740

1.056 MeV (n,n') Level  
Legendre Coefficients

57-La-143



57-La-143

Incident Energy (MeV)

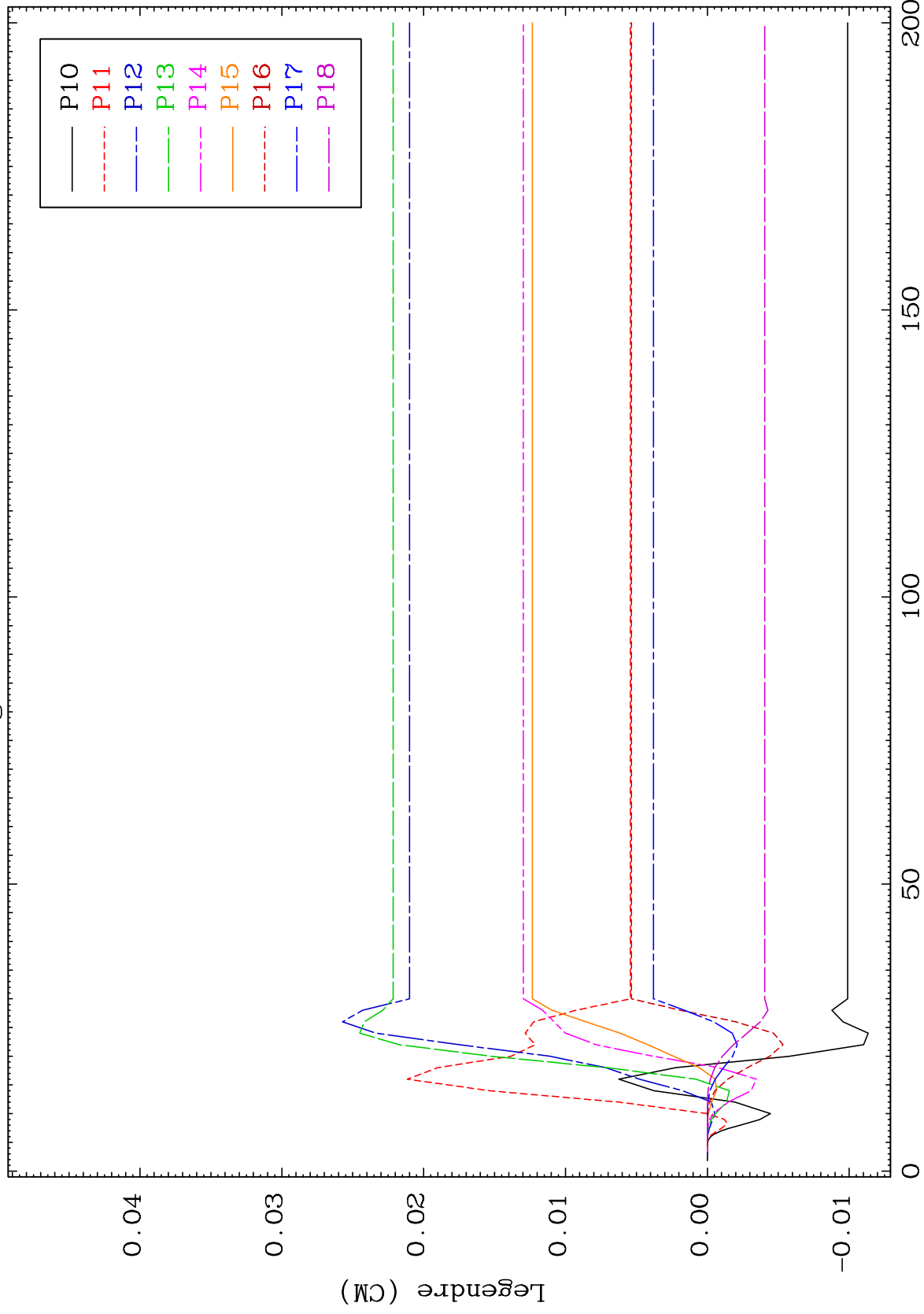
87



MAT 5740

1.056 MeV (n,n') Level  
Legendre Coefficients

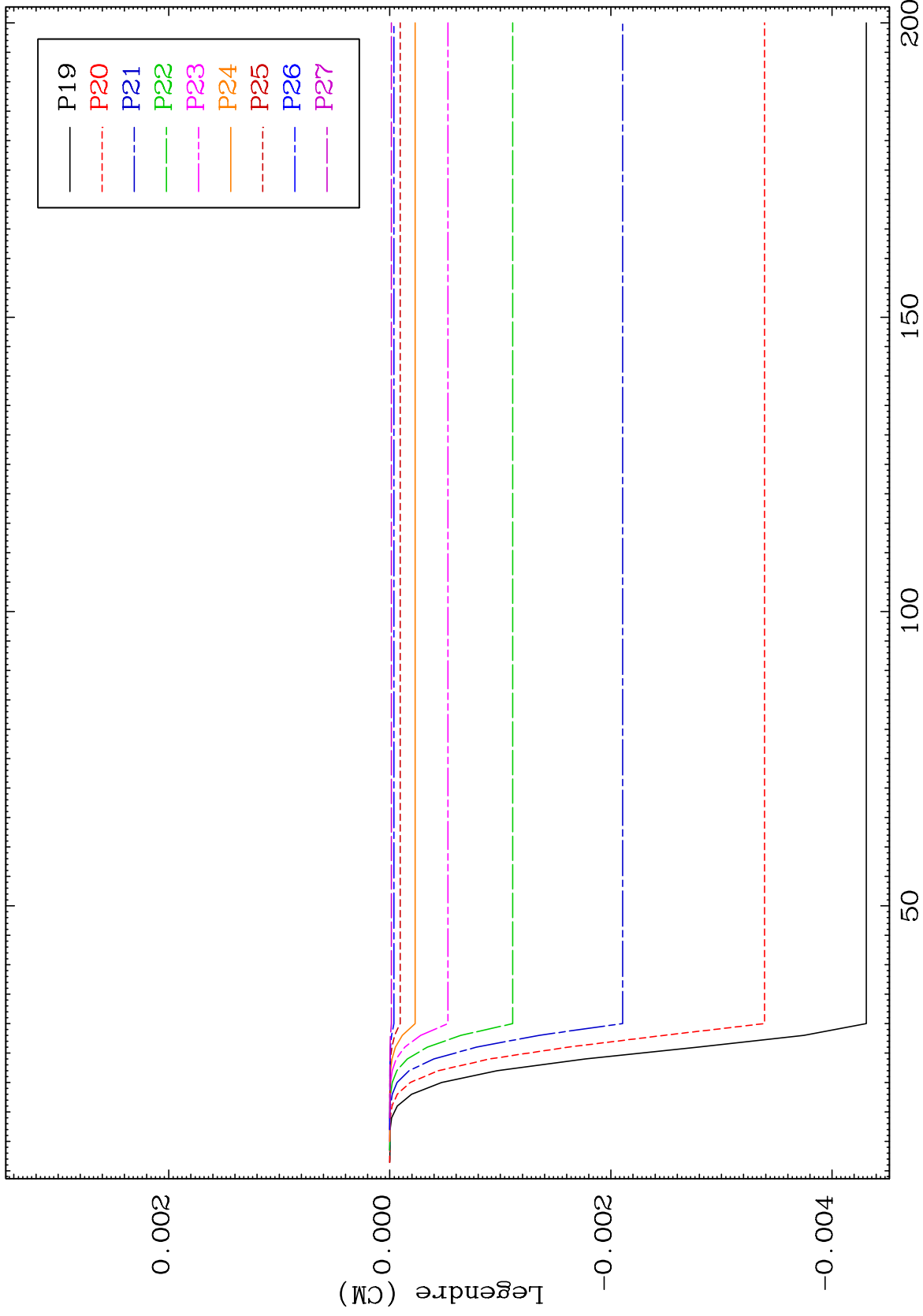
57-La-143

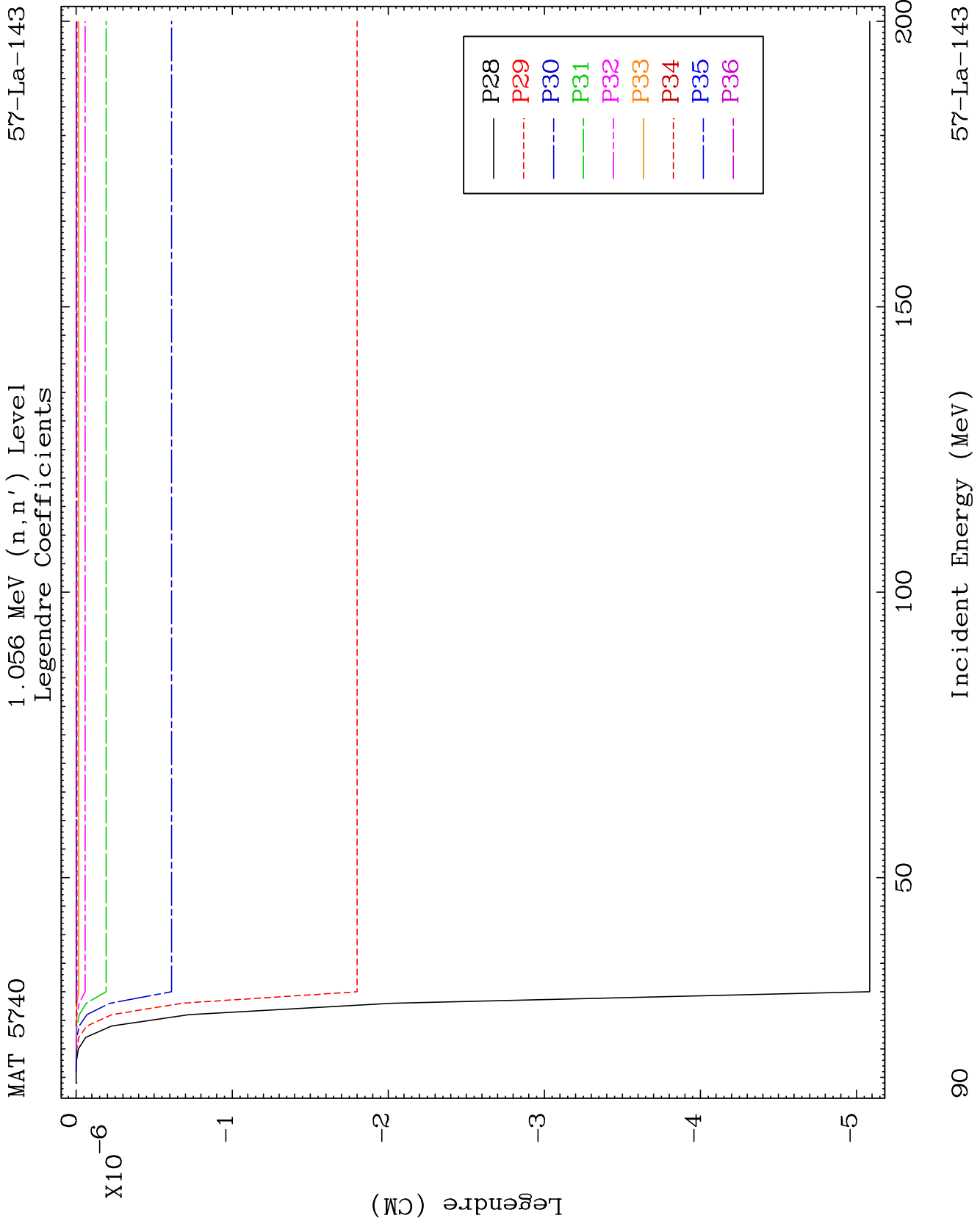


88

Incident Energy (MeV)

57-La-143

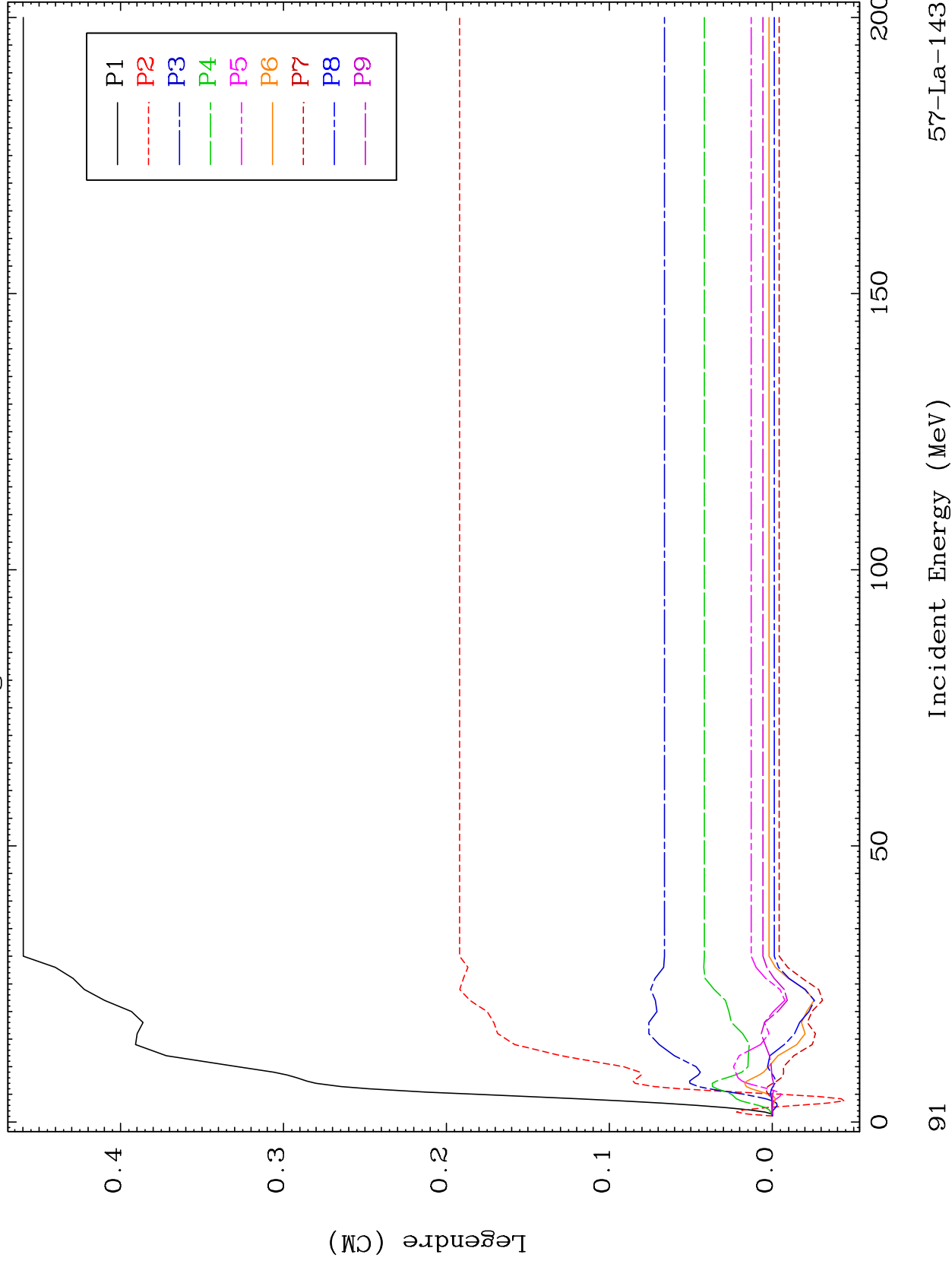




MAT 5740

1.067 MeV (n,n') Level  
Legendre Coefficients

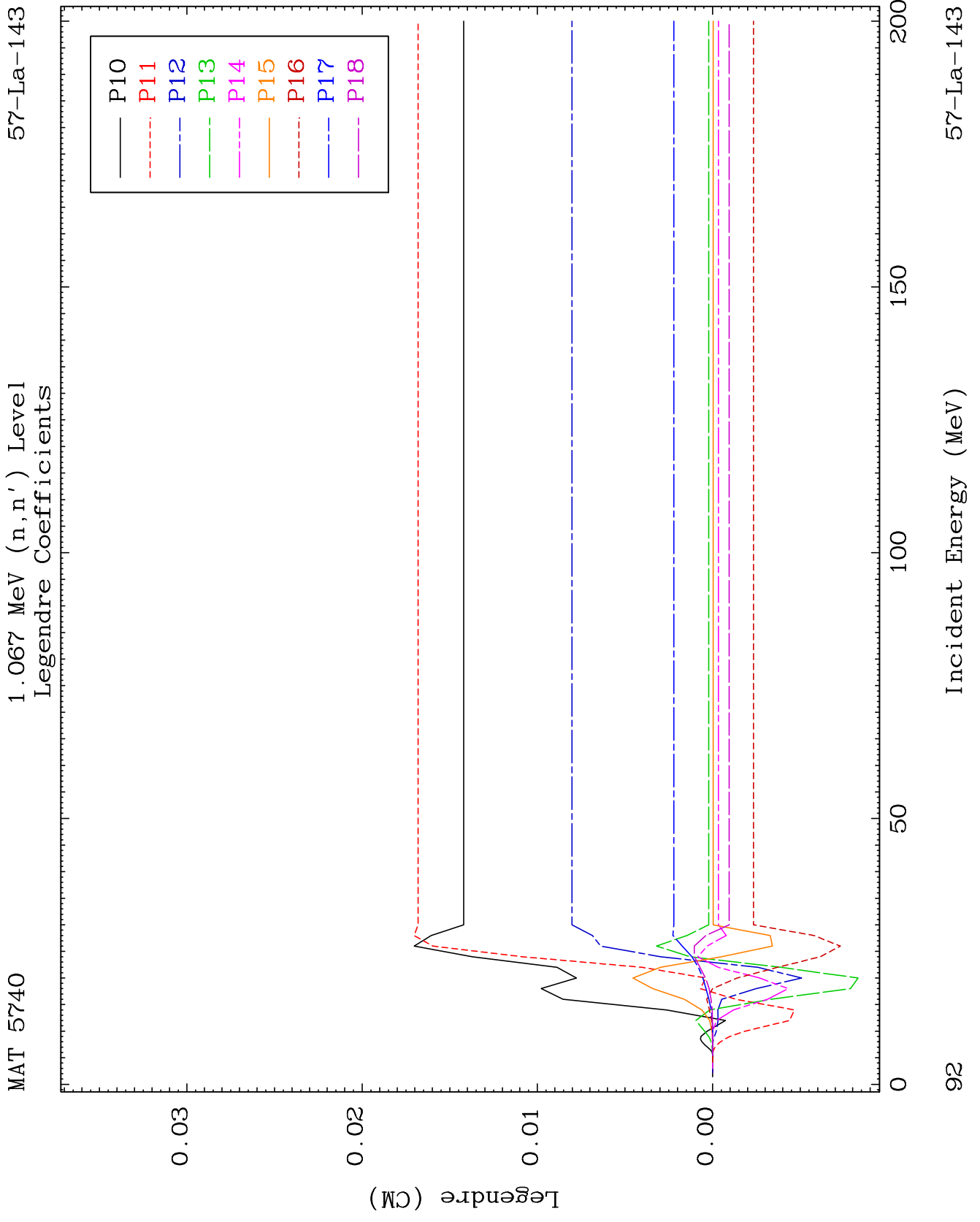
57-La-143



57-La-143

Incident Energy (MeV)

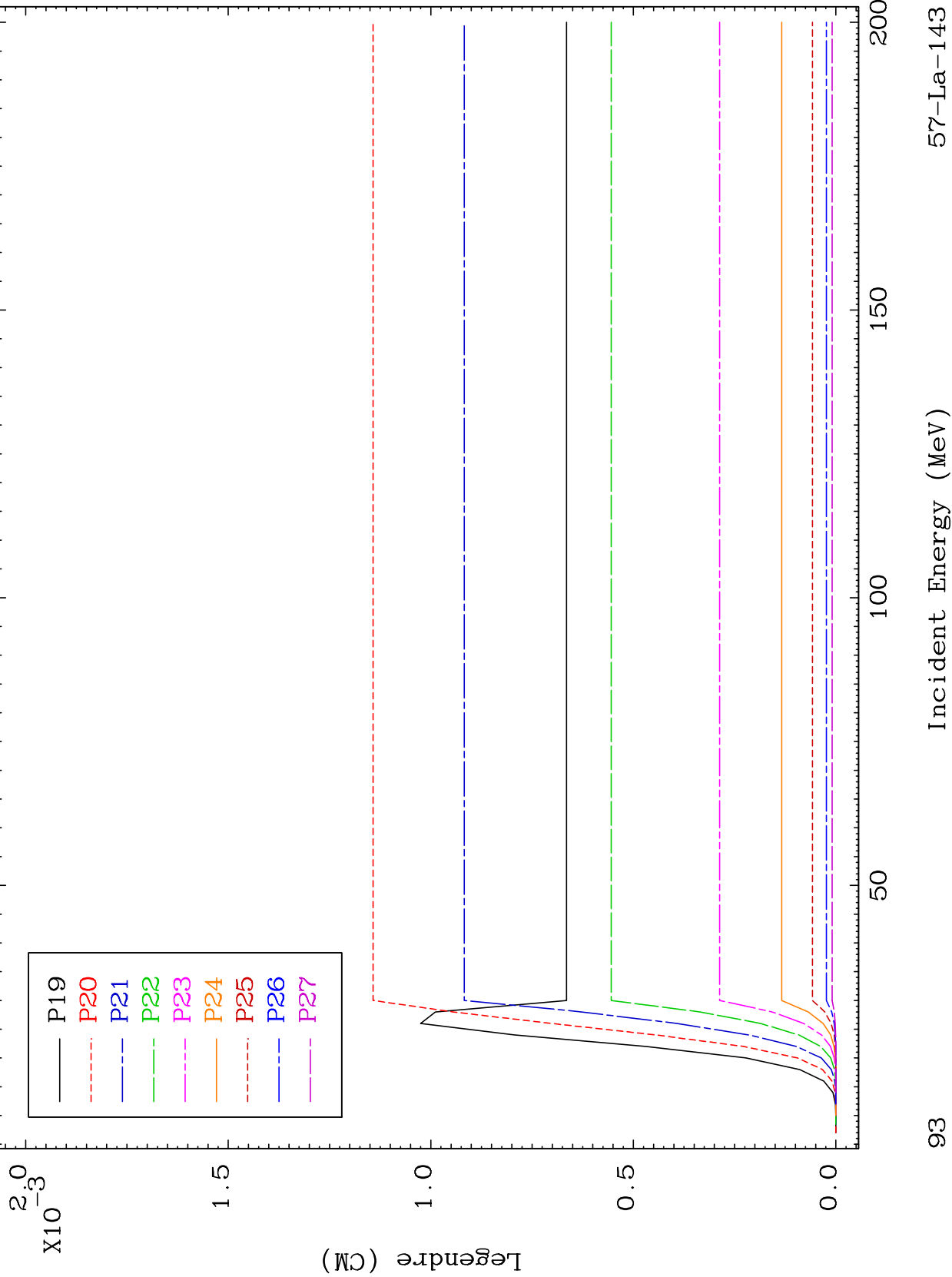
91



MAT 5740

1.0667 MeV (n, n') Level  
Legendre Coefficients

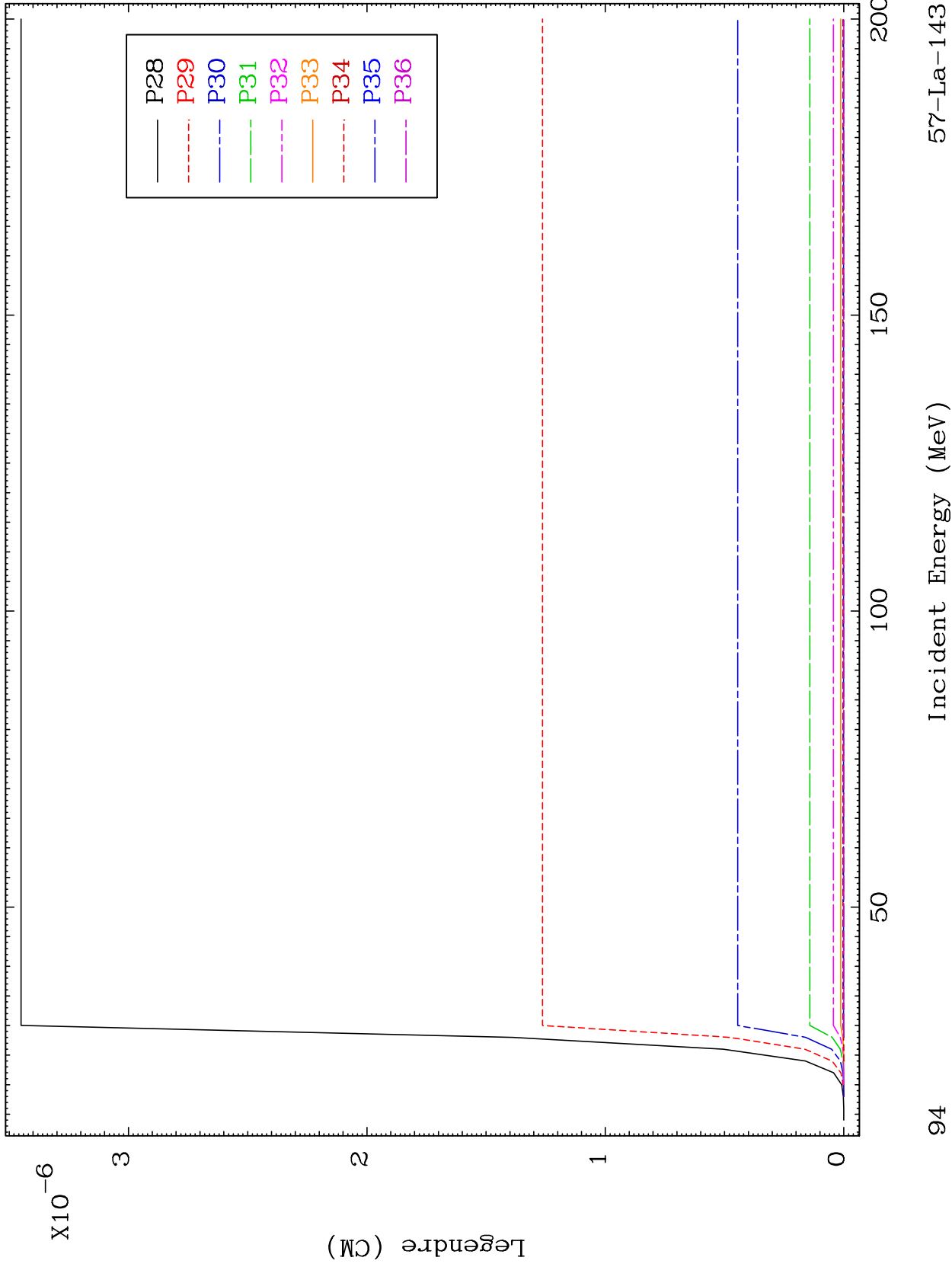
57-La-143



MAT 5740

1.067 MeV (n,n') Level  
Legendre Coefficients

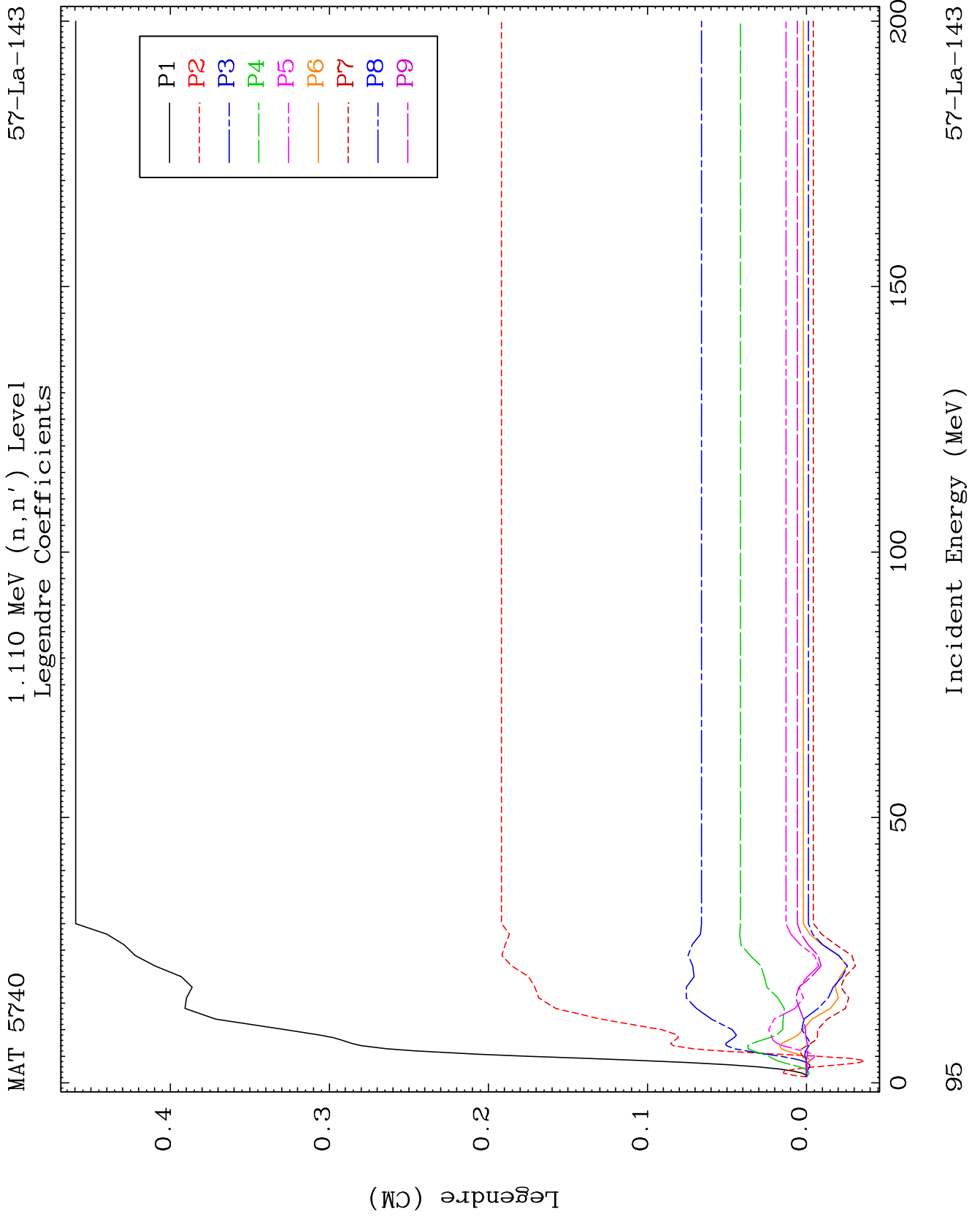
57-La-143



94

Incident Energy (MeV)

57-La-143



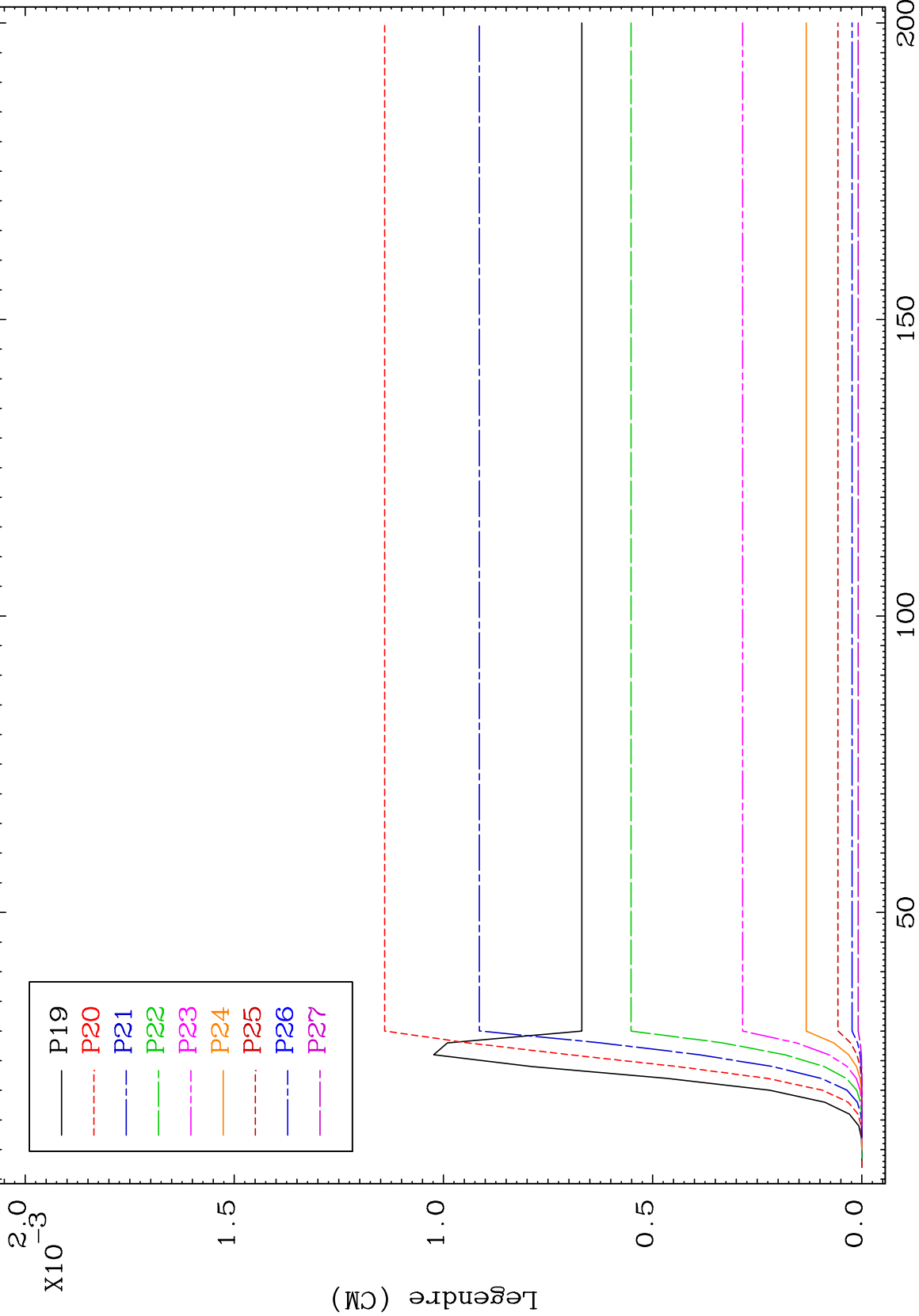




MAT 5740

1.110 MeV (n, n') Level  
Legendre Coefficients

57-La-143



97

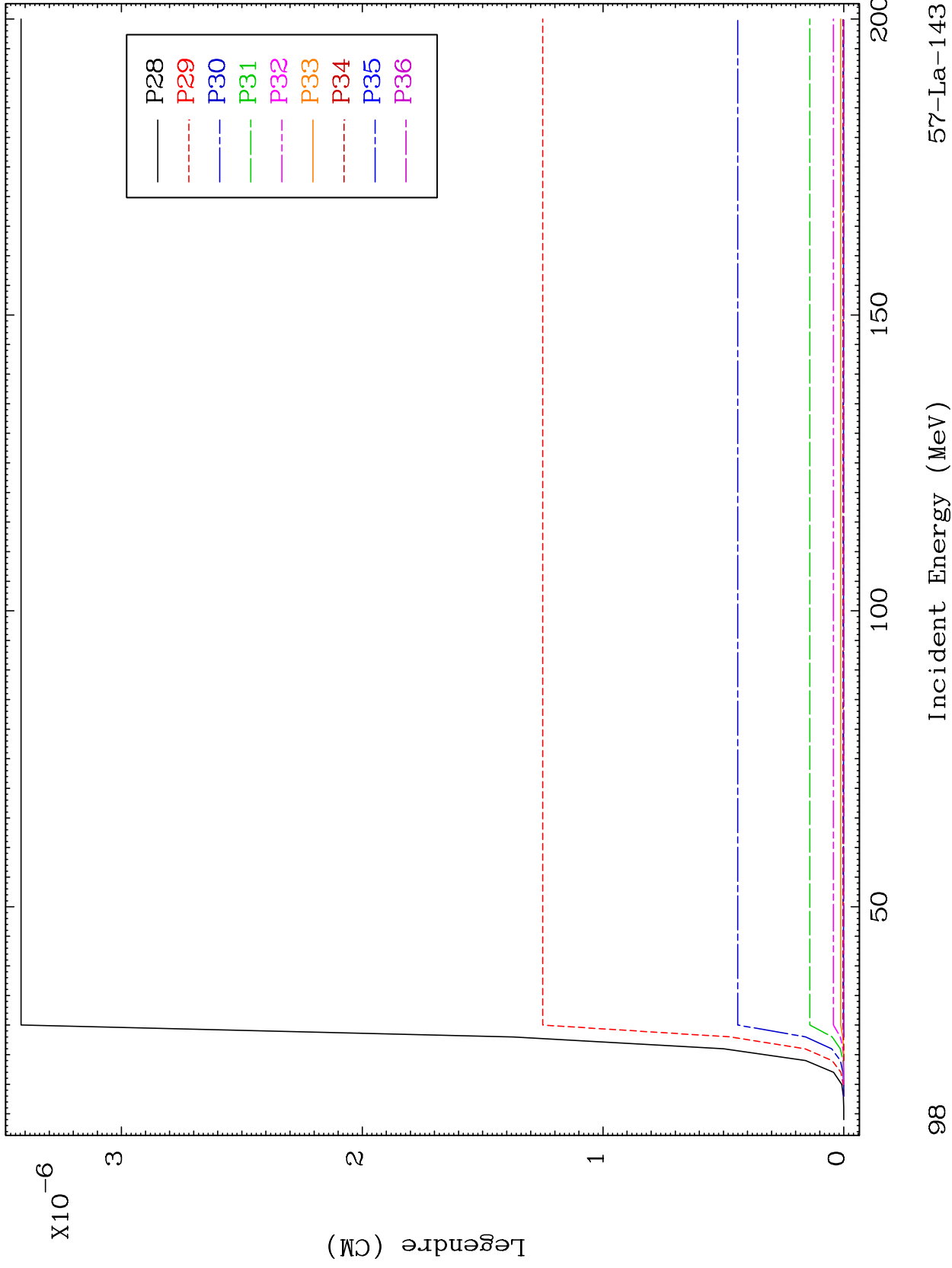
Incident Energy (MeV)

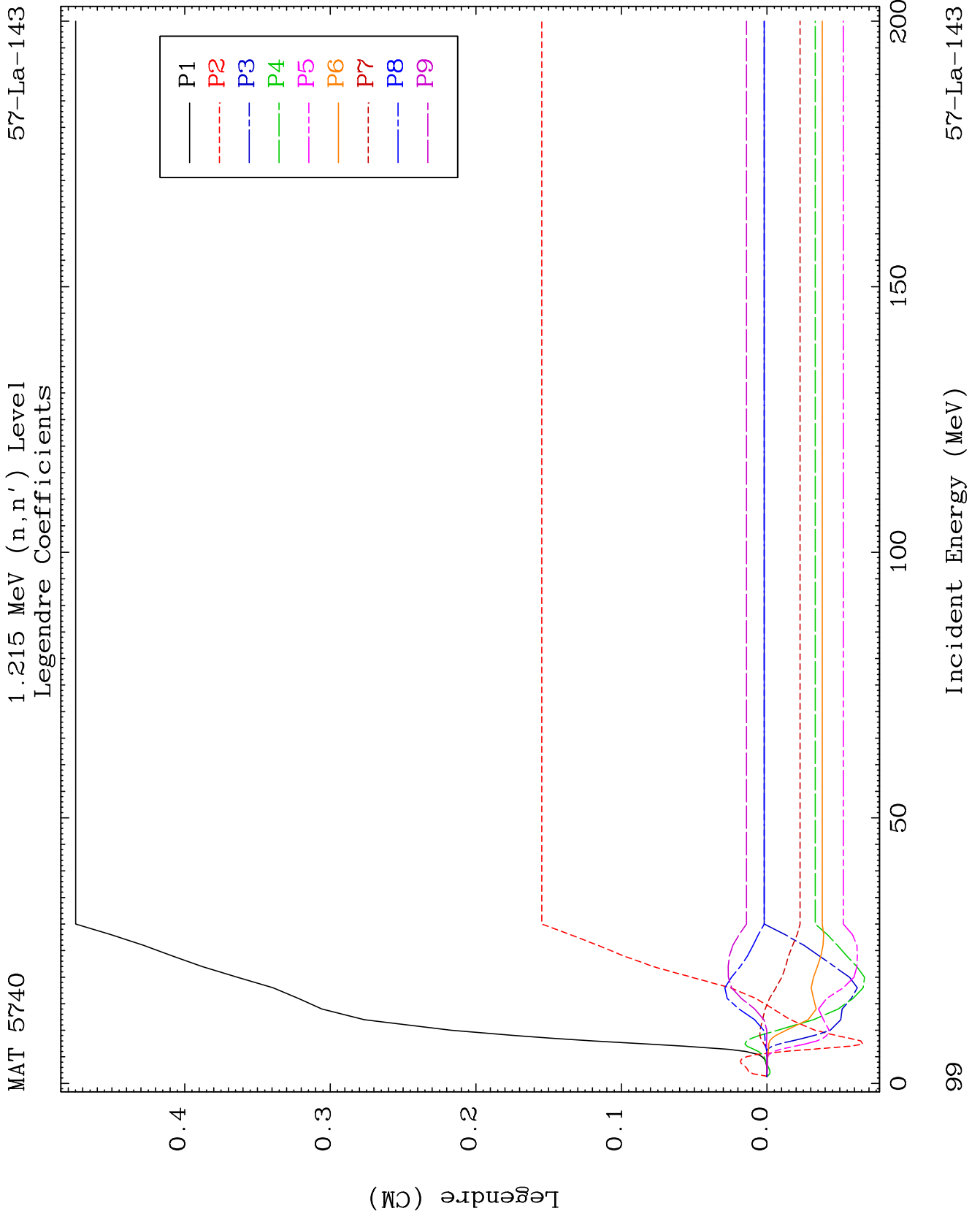
57-La-143

MAT 5740

1.110 MeV (n,n') Level  
Legendre Coefficients

57-La-143



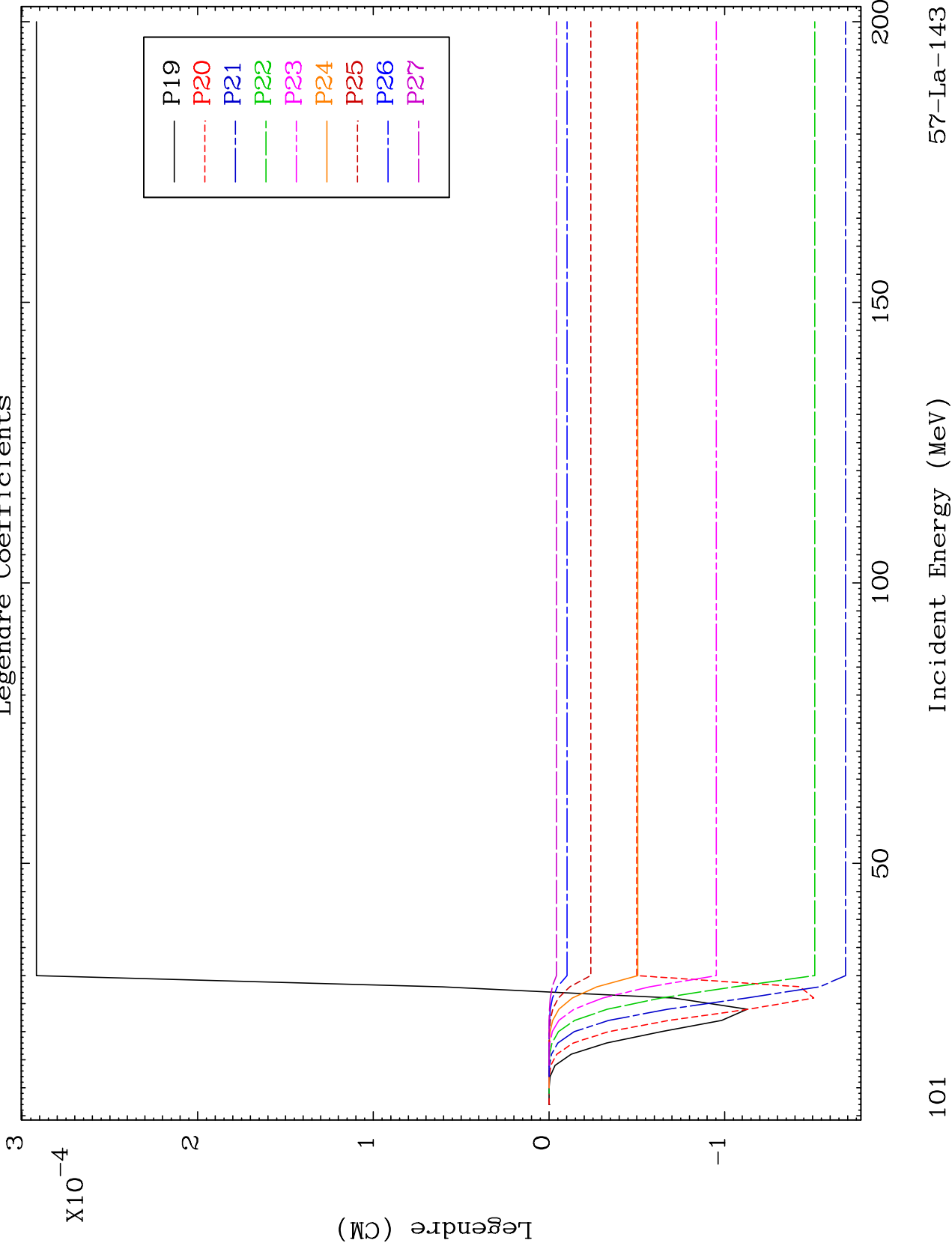




MAT 5740

1.215 MeV (n,n') Level  
Legendre Coefficients

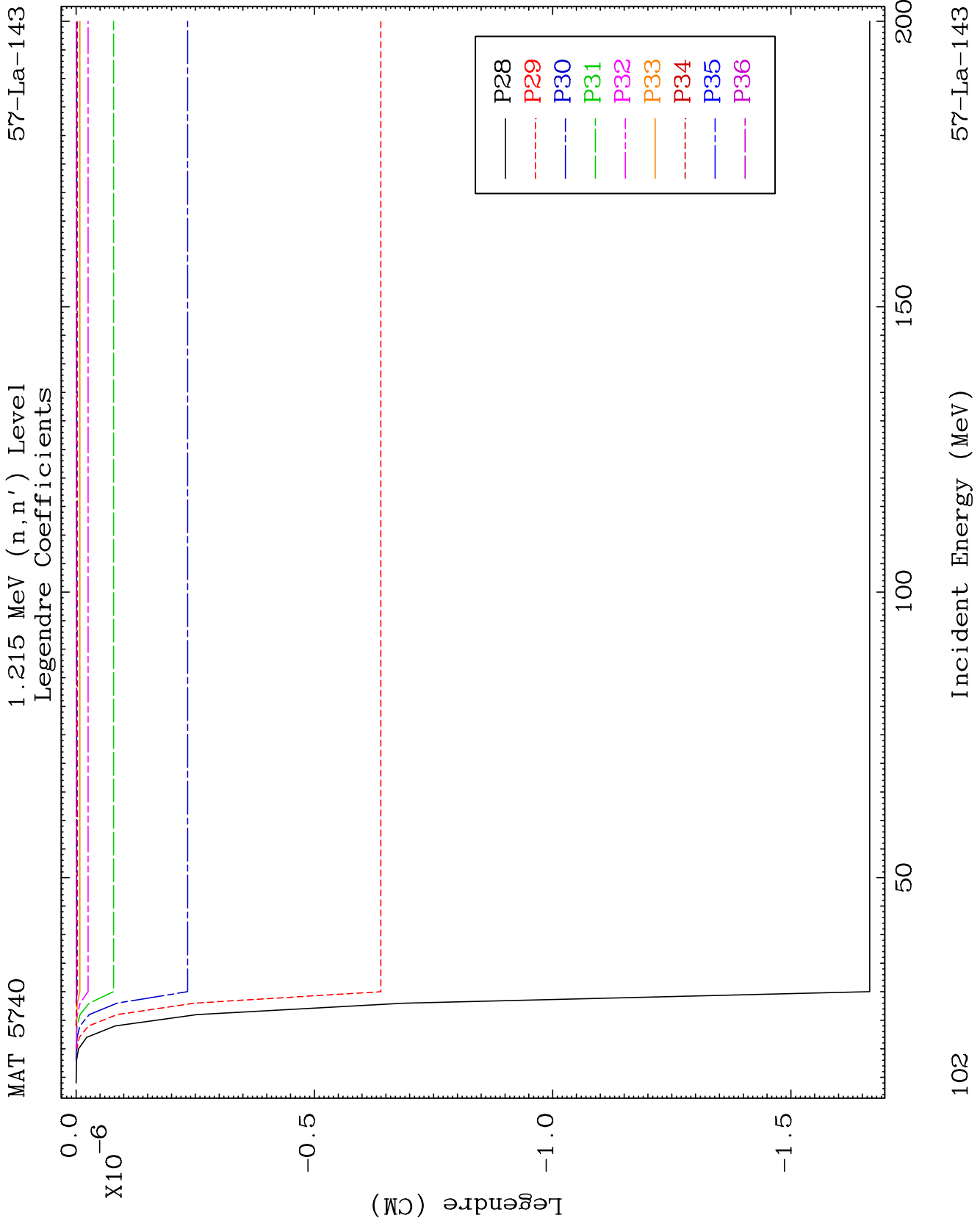
57-La-143



101

Incident Energy (MeV)

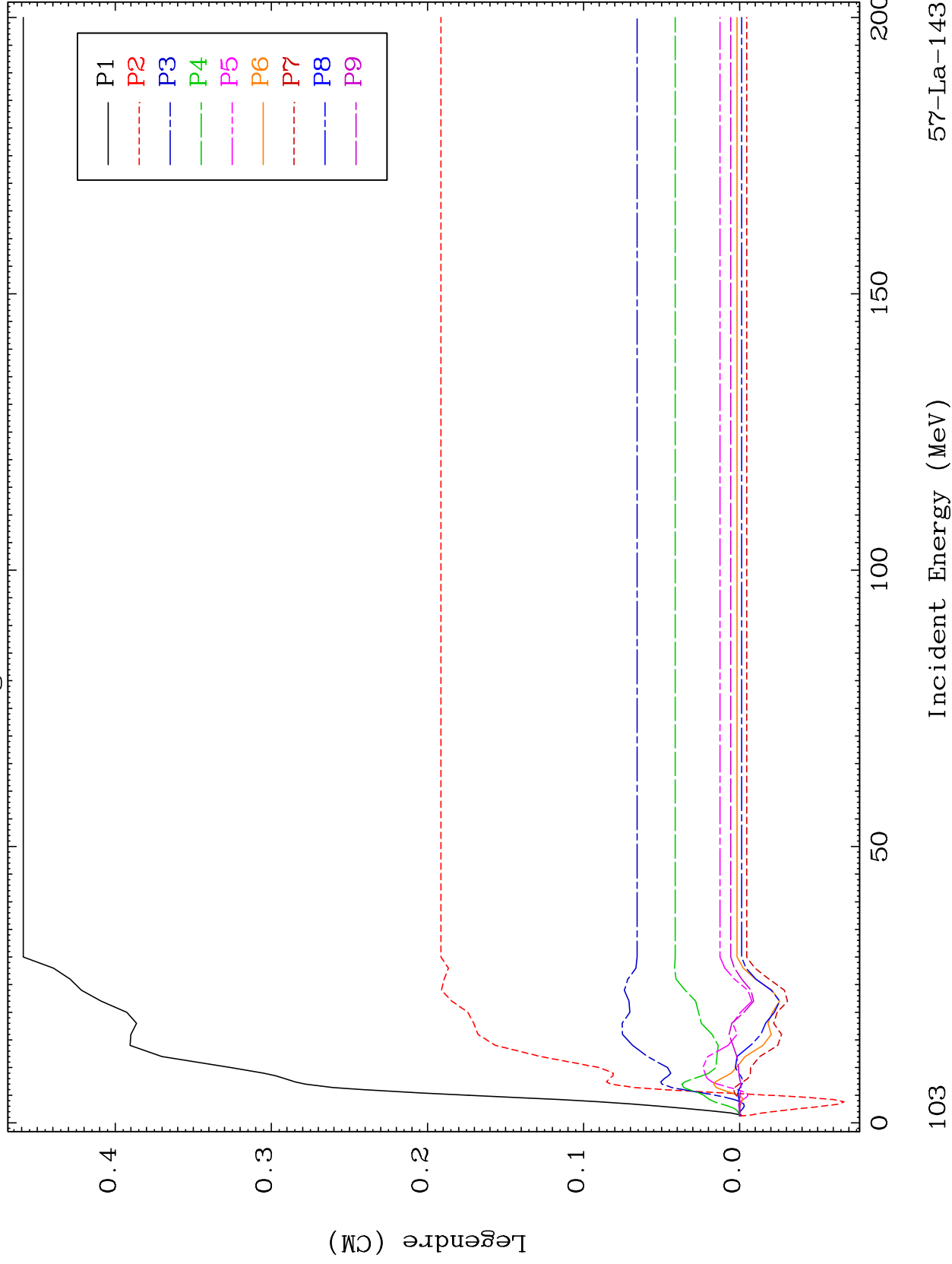
57-La-143



MAT 5740

1.225 MeV (n,n') Level  
Legendre Coefficients

57-La-143

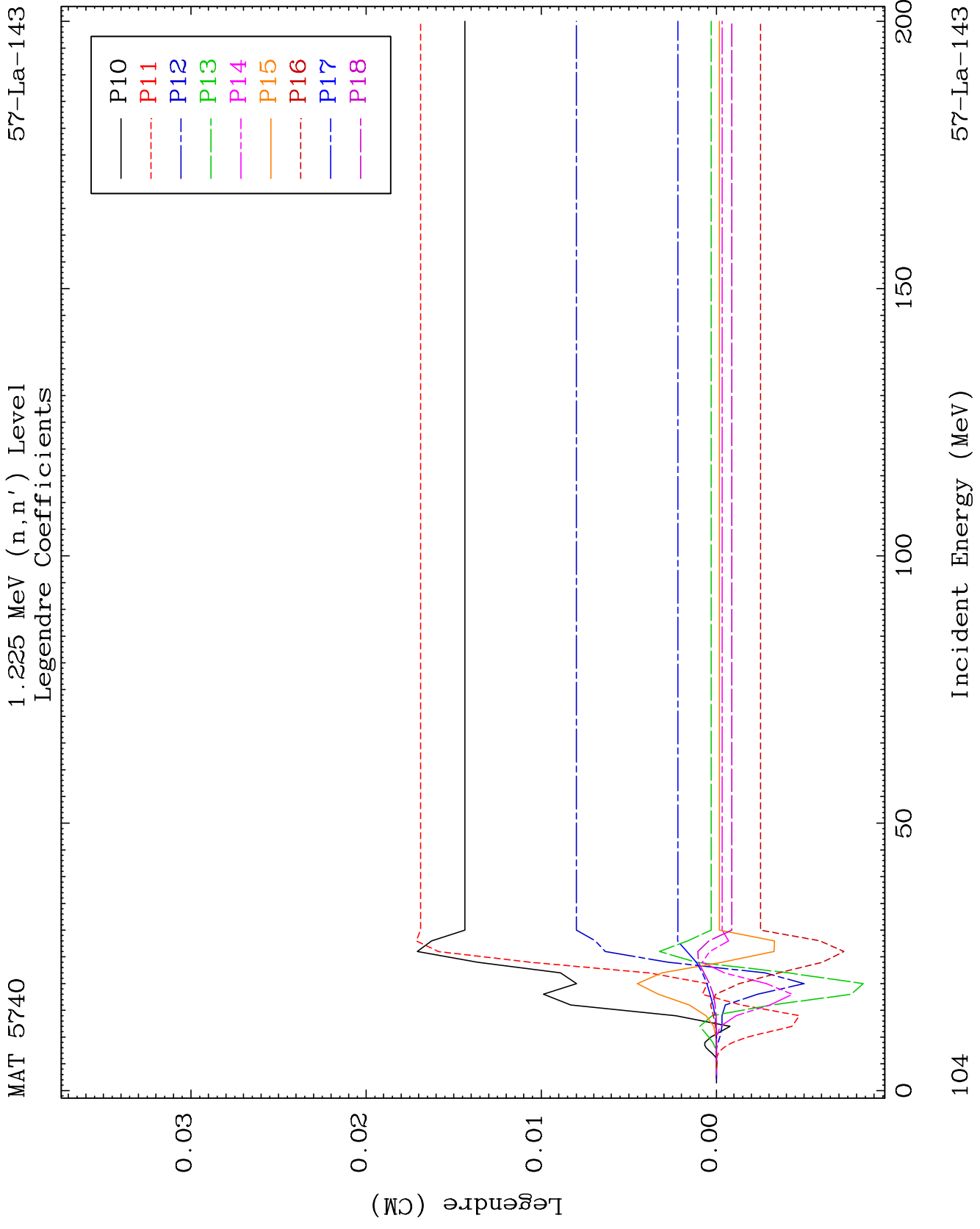


57-La-143

Incident Energy (MeV)

103





57-La-143

1.225 MeV (n,n') Level

Legendre Coefficients

Legendre (CM)

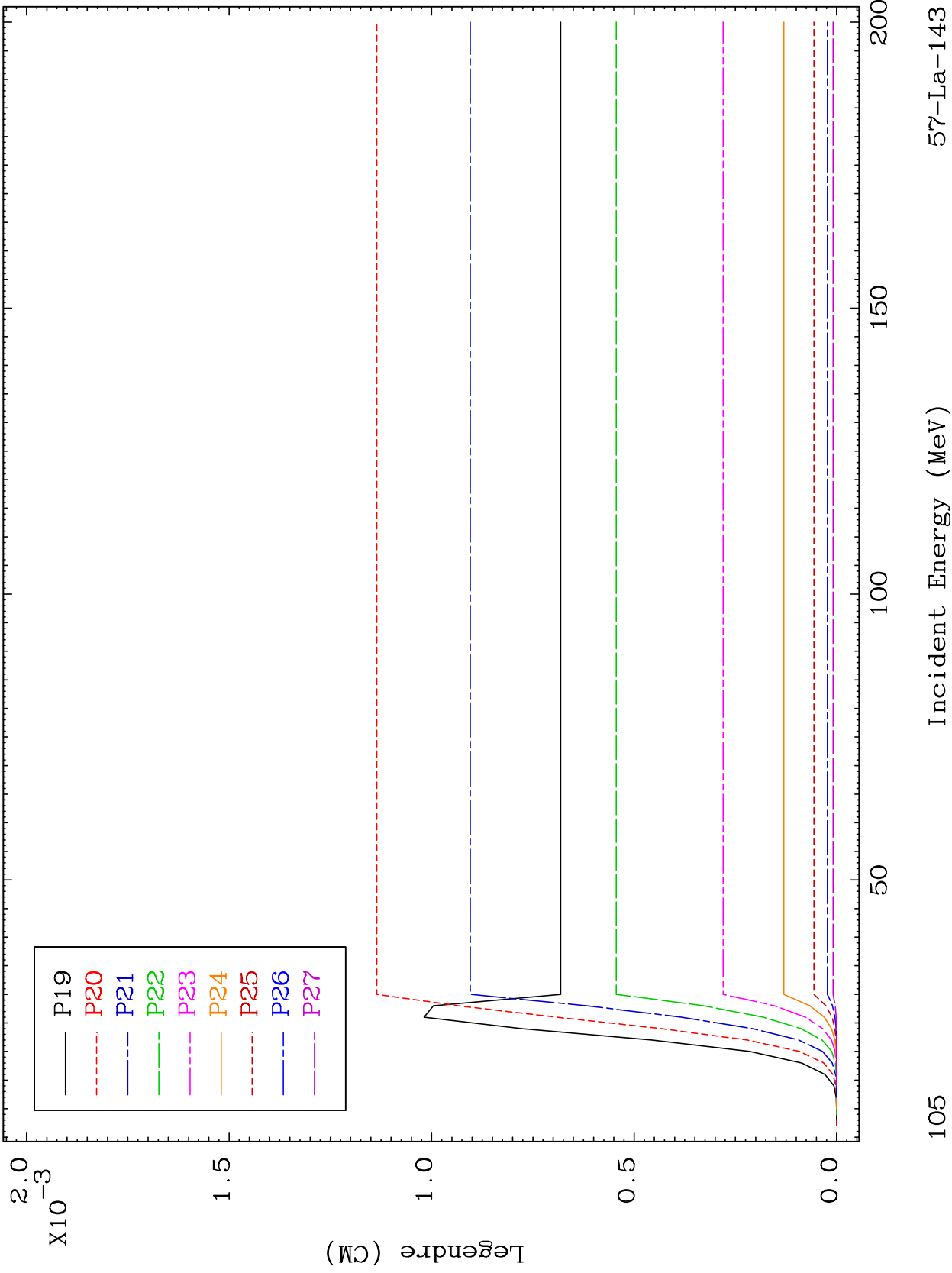
Incident Energy (MeV)

57-La-143

MAT 5740

1.225 MeV (n, n') Level  
Legendre Coefficients

57-La-143



105

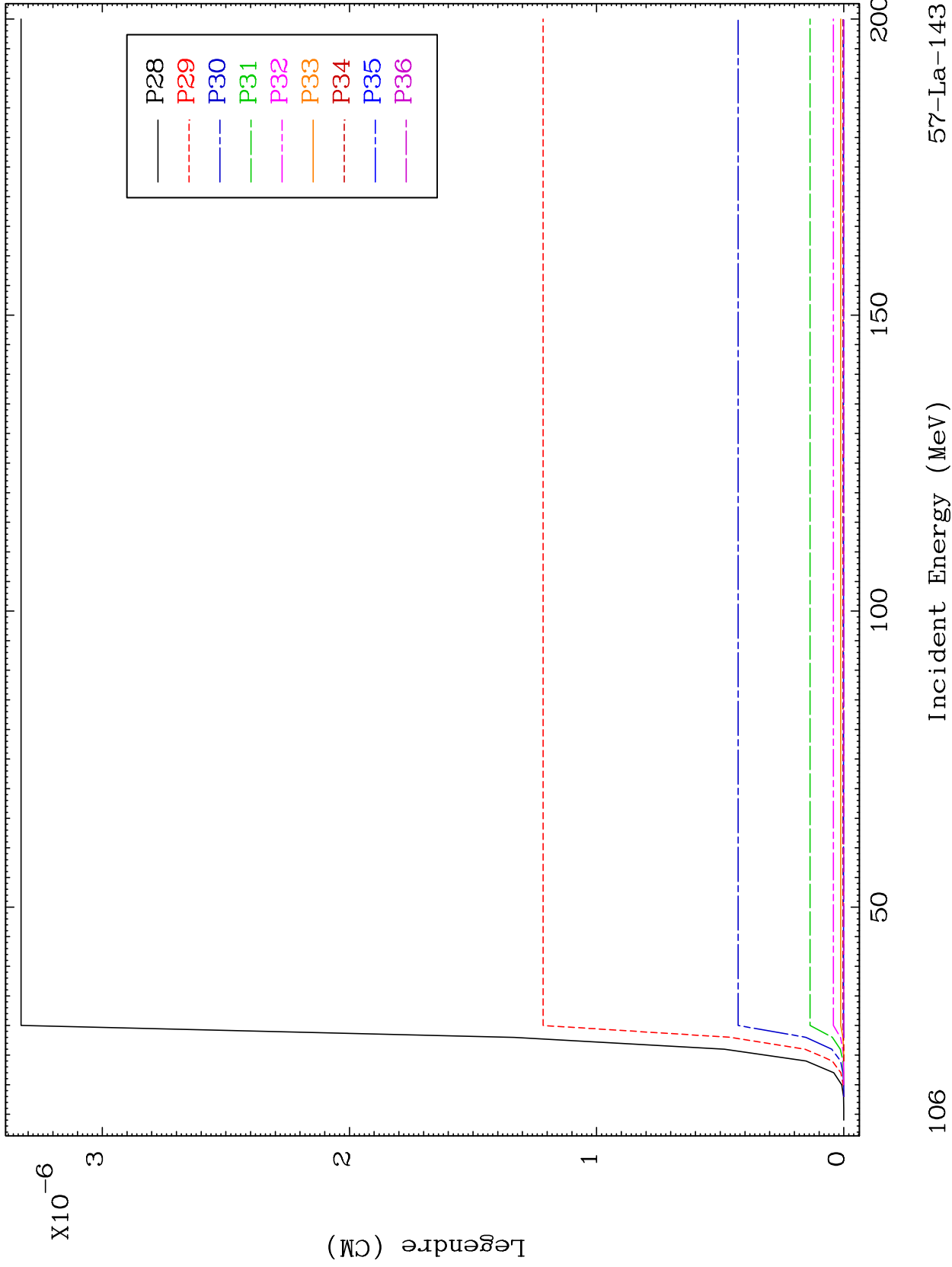
Incident Energy (MeV)

57-La-143

MAT 5740

1.225 MeV (n,n') Level  
Legendre Coefficients

57-La-143



57-La-143

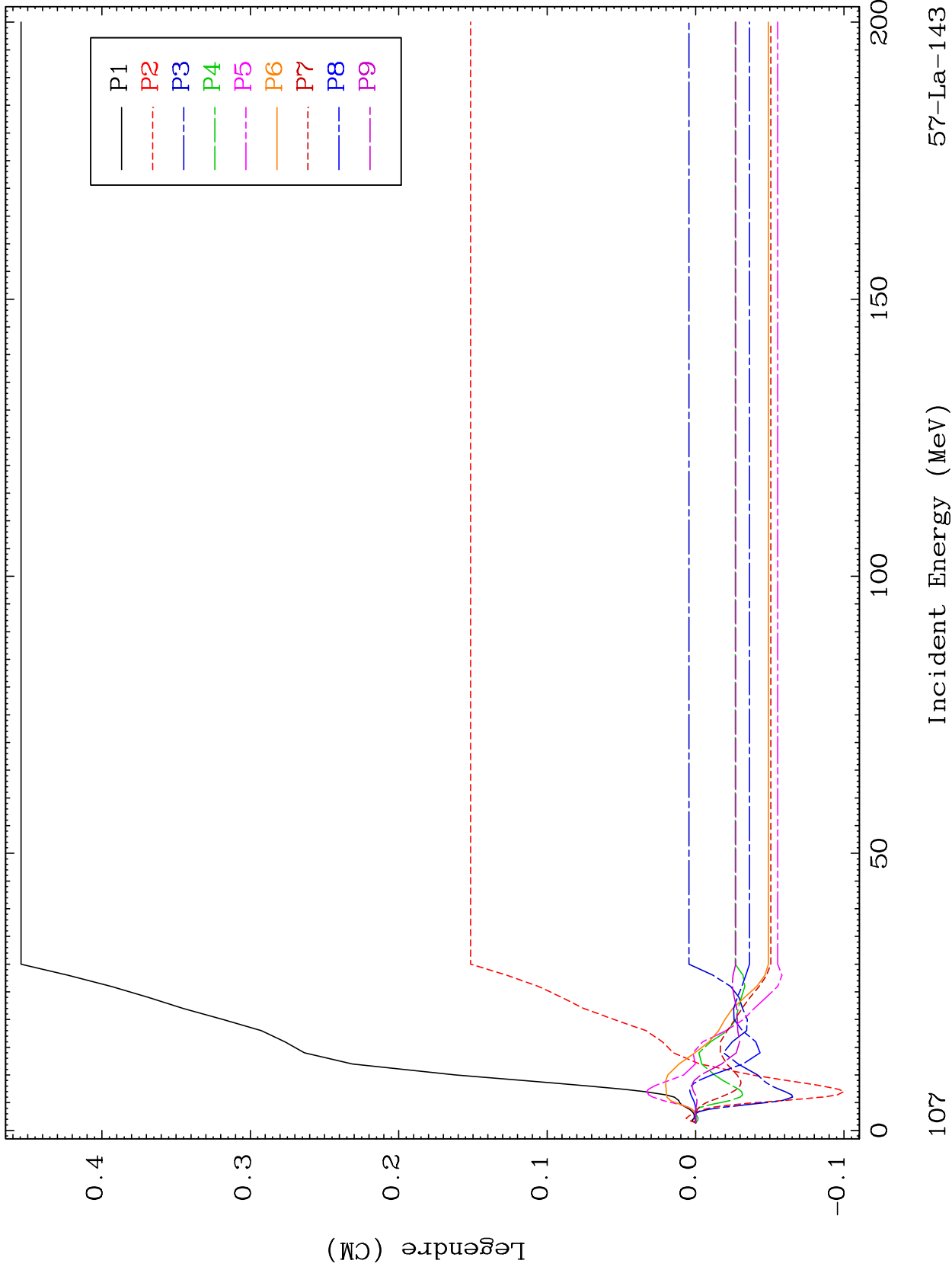
Incident Energy (MeV)

106

MAT 5740

1.291 MeV (n,n') Level  
Legendre Coefficients

57-La-143



57-La-143

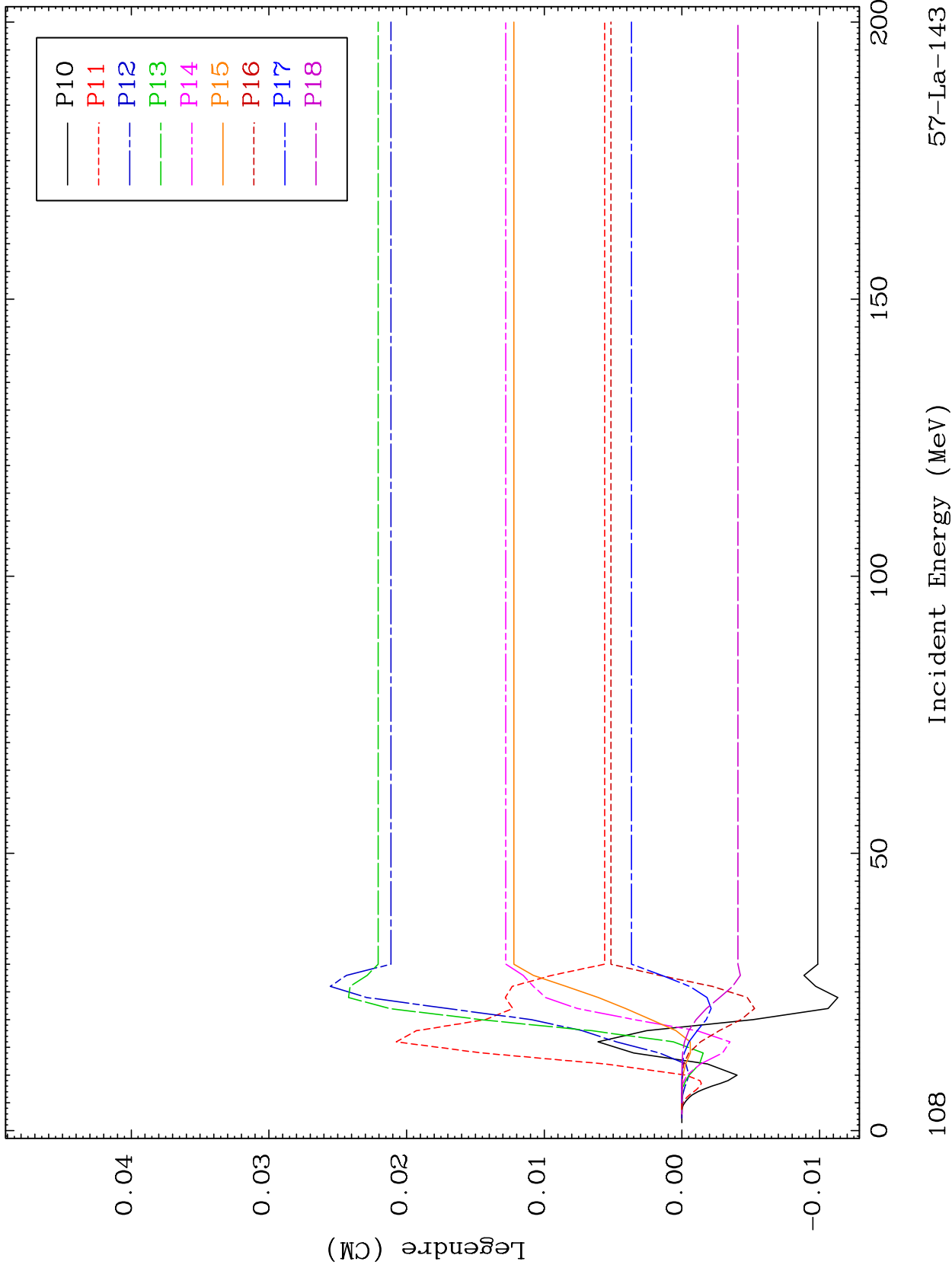
Incident Energy (MeV)

107

MAT 5740

1.291 MeV (n,n') Level  
Legendre Coefficients

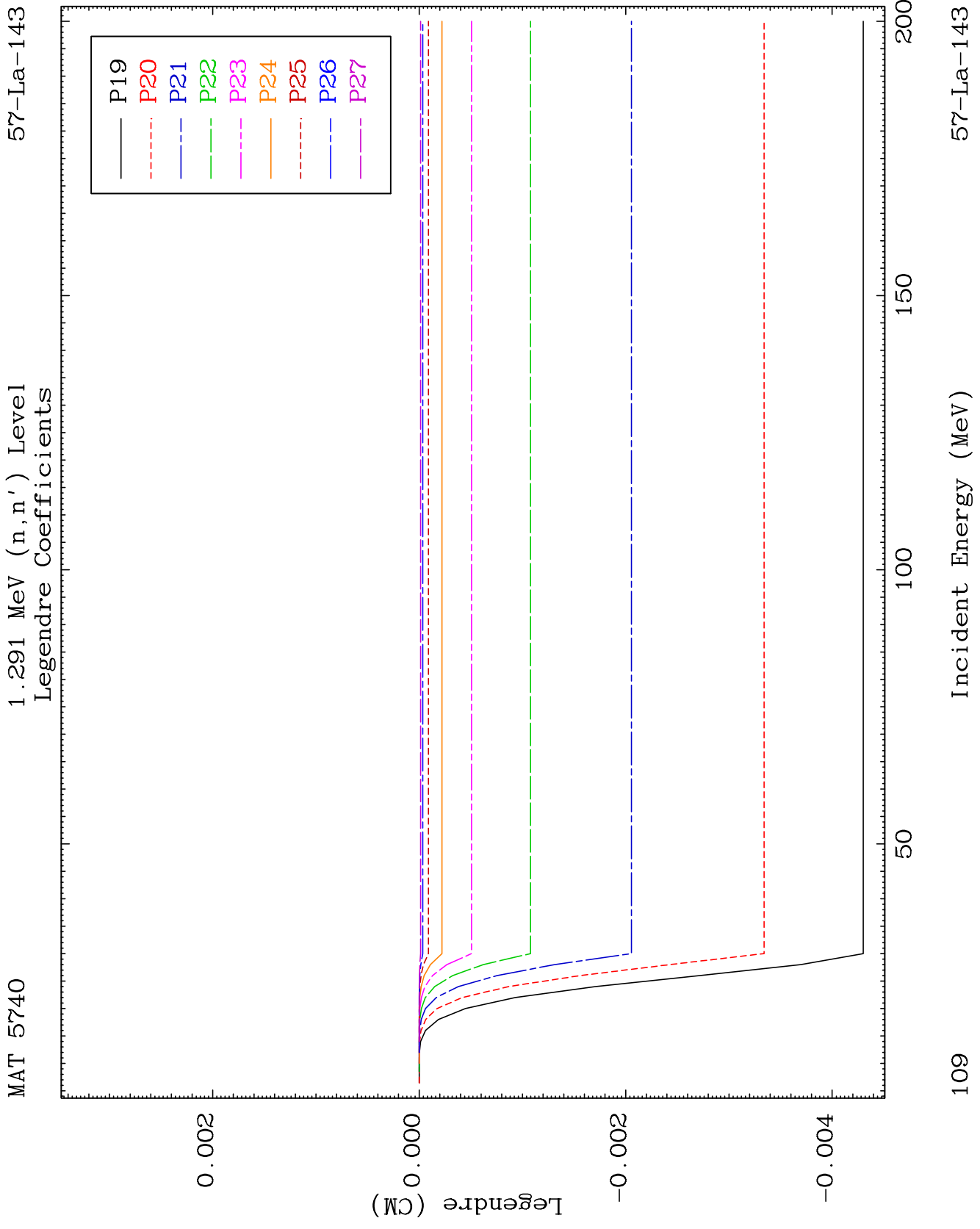
57-La-143

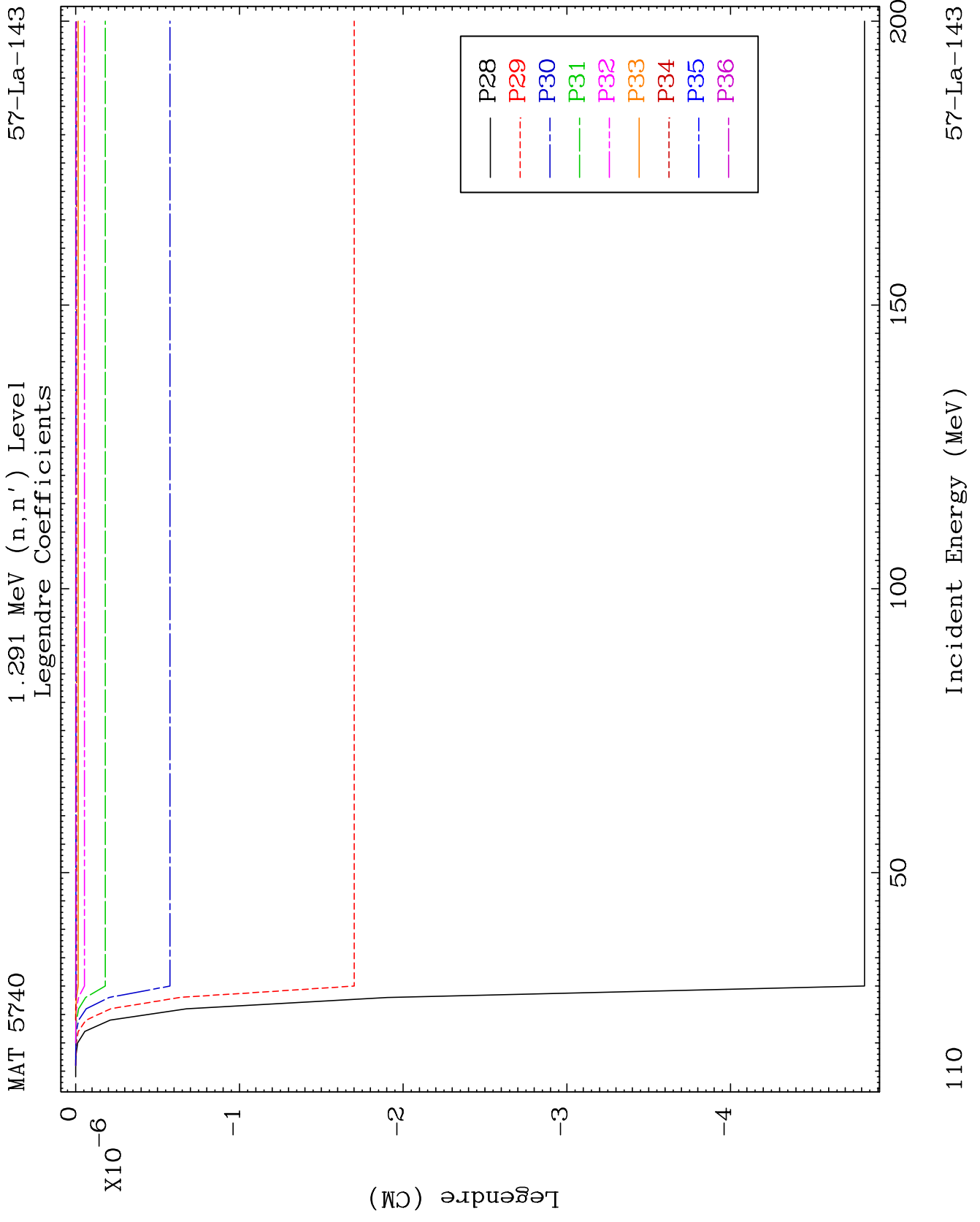


57-La-143

Incident Energy (MeV)

108

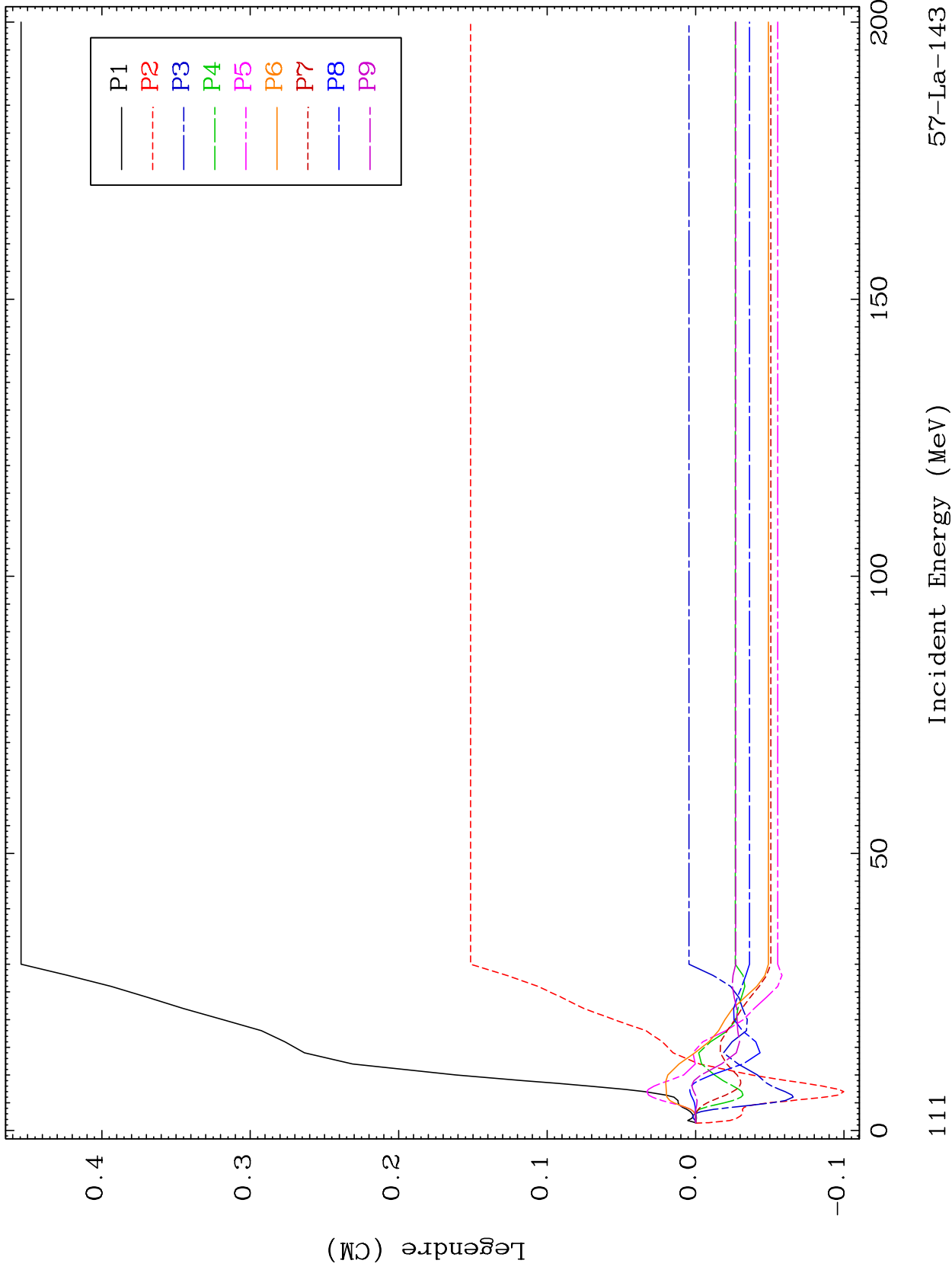




MAT 5740

1.303 MeV (n,n') Level  
Legendre Coefficients

57-La-143



111

Incident Energy (MeV)

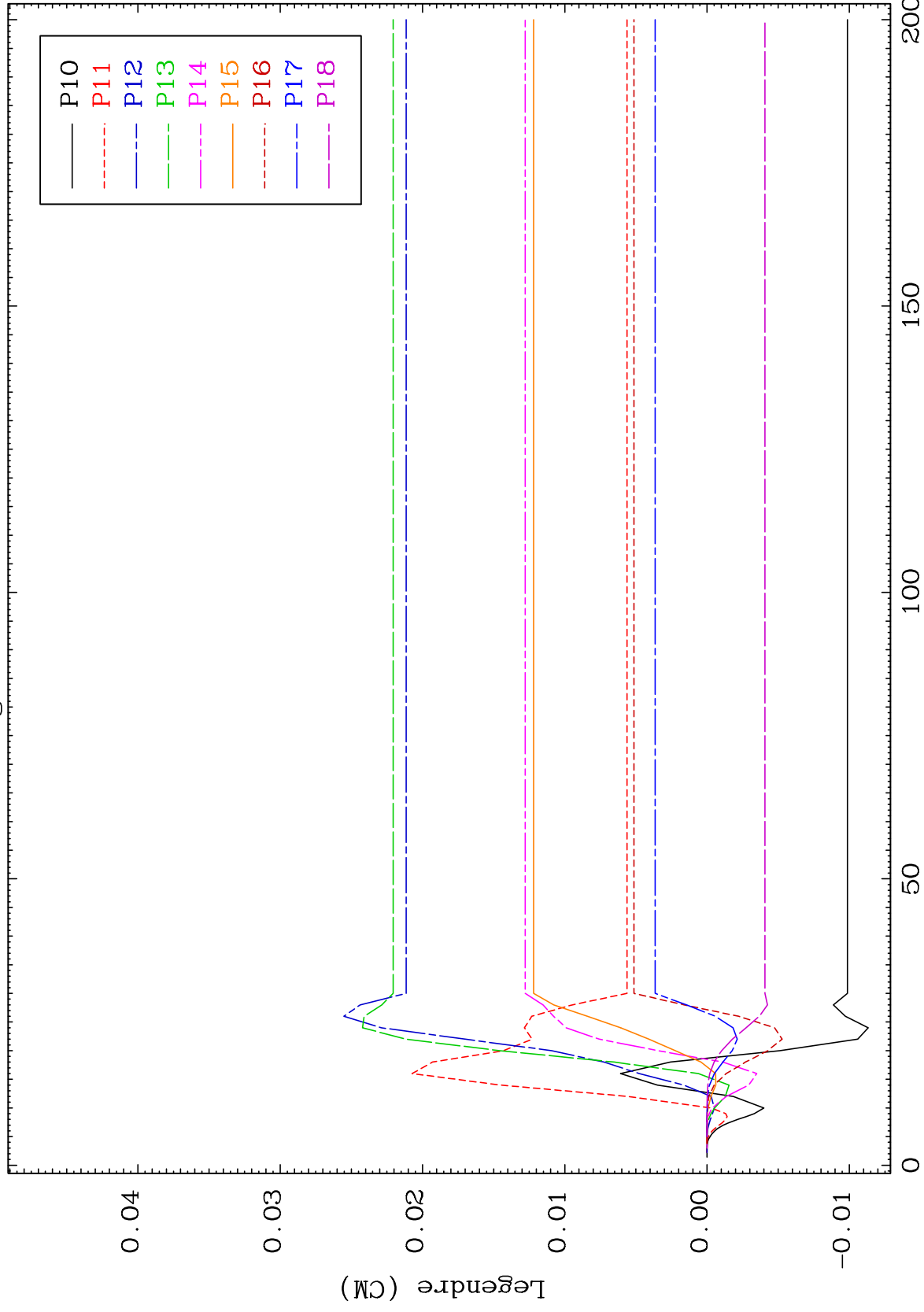
57-La-143



MAT 5740

1.303 MeV (n,n') Level  
Legendre Coefficients

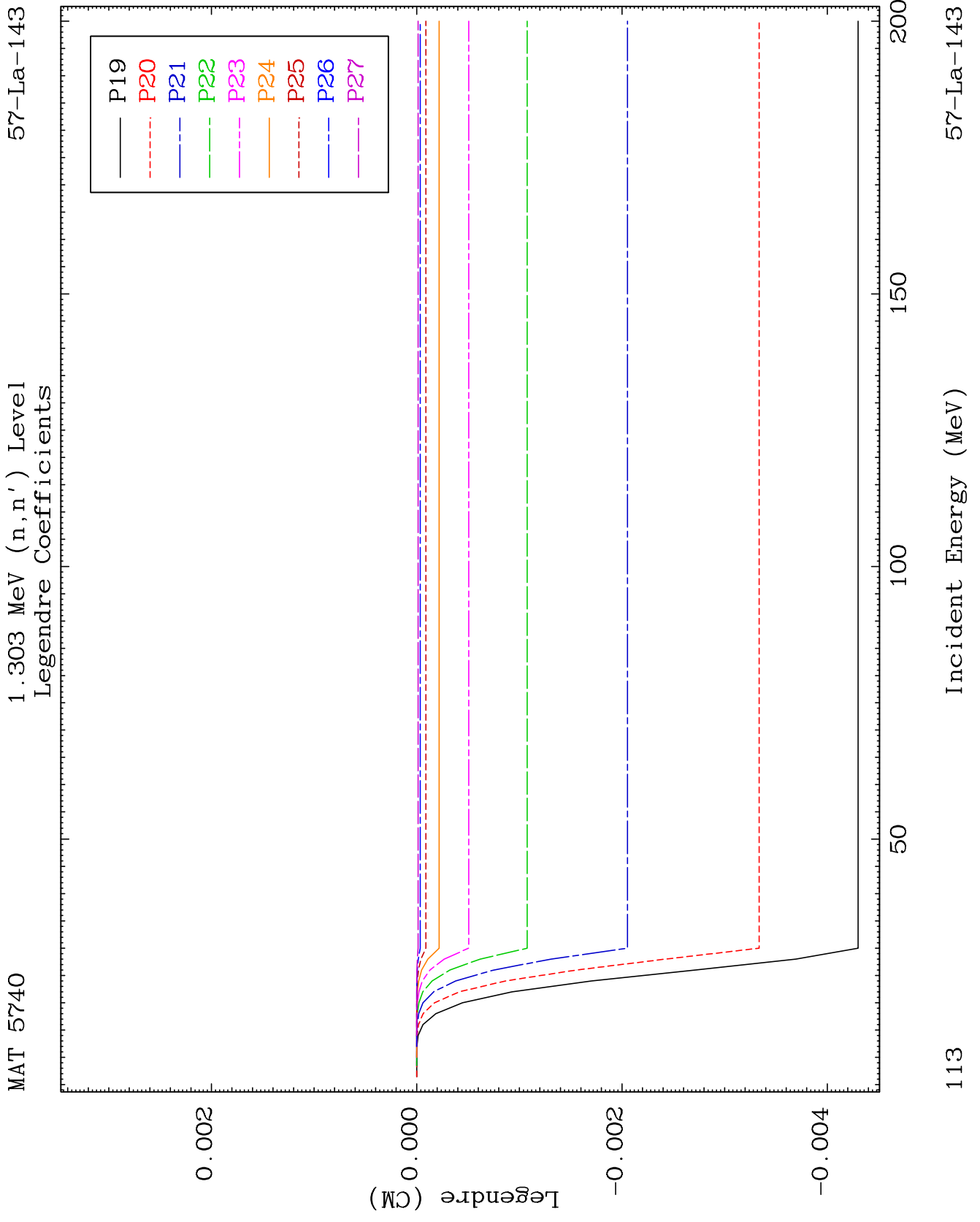
57-La-143

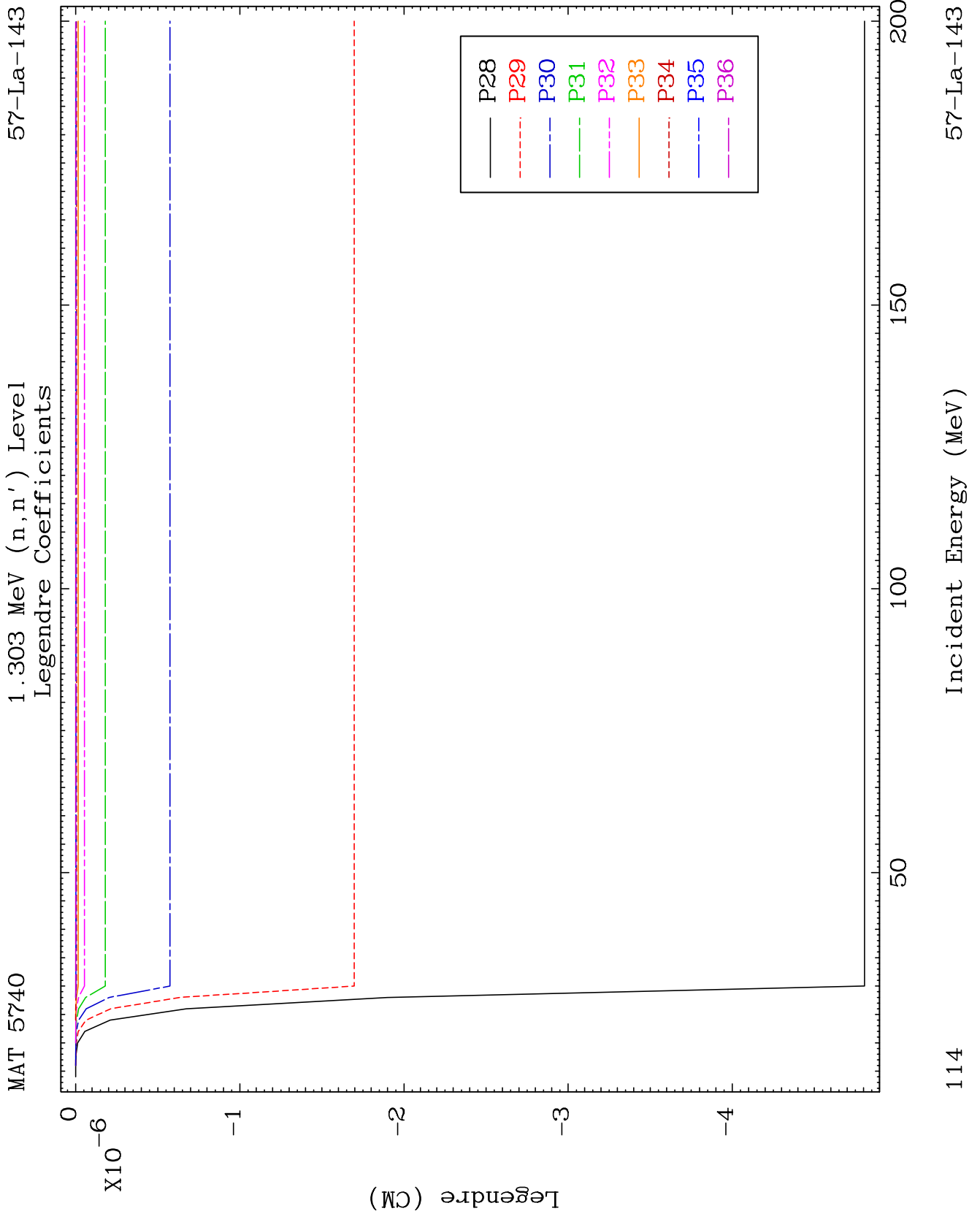


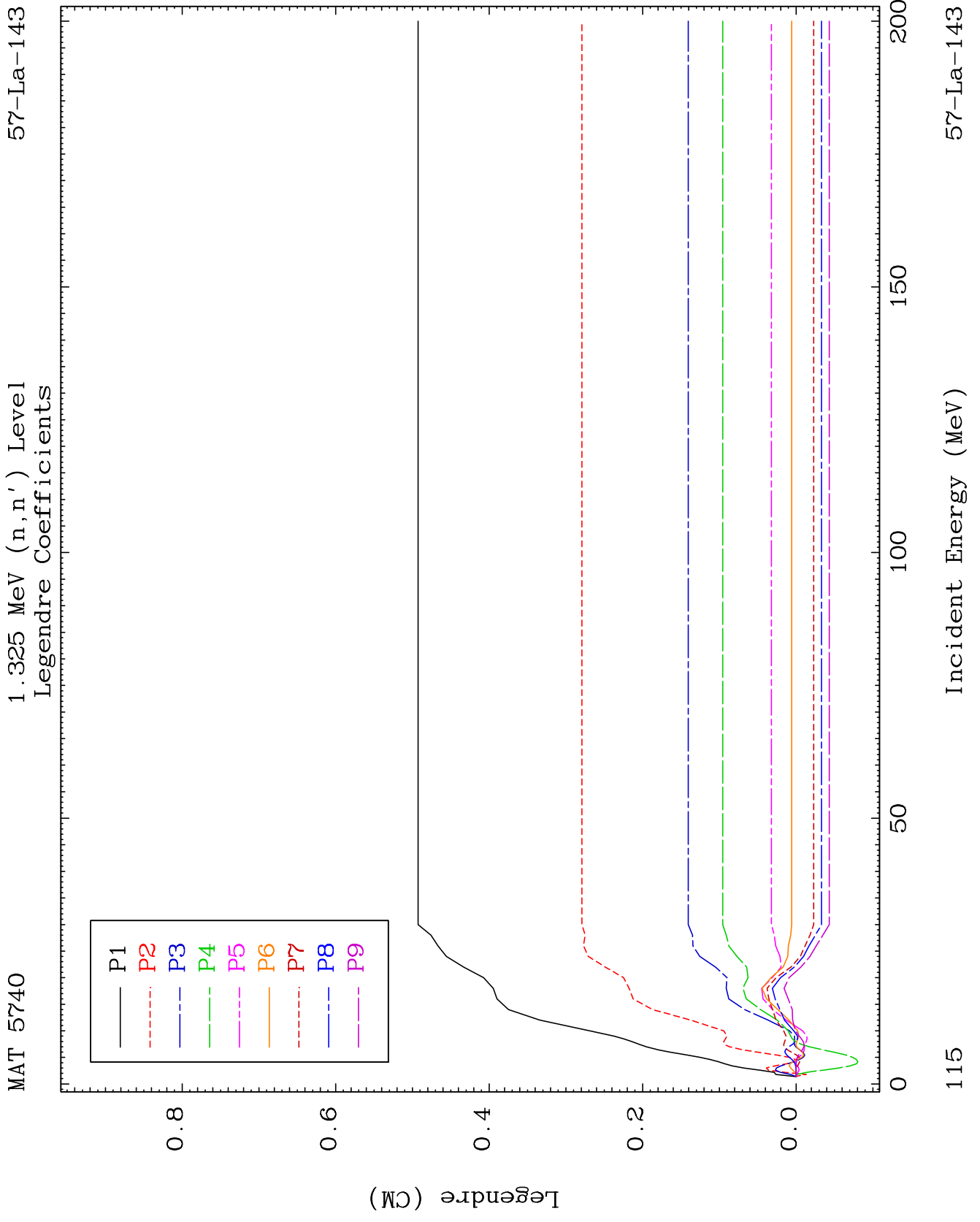
112

Incident Energy (MeV)

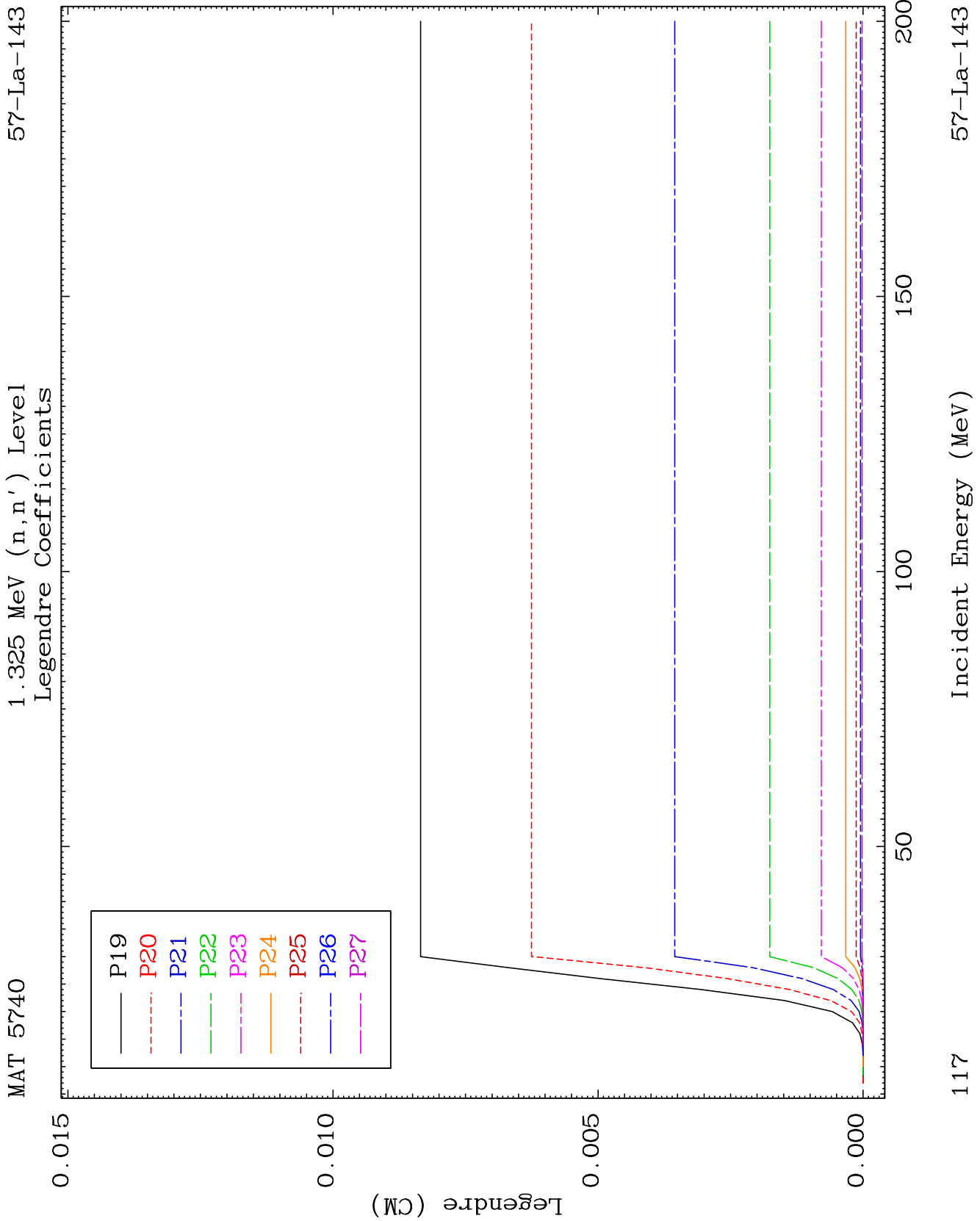
57-La-143

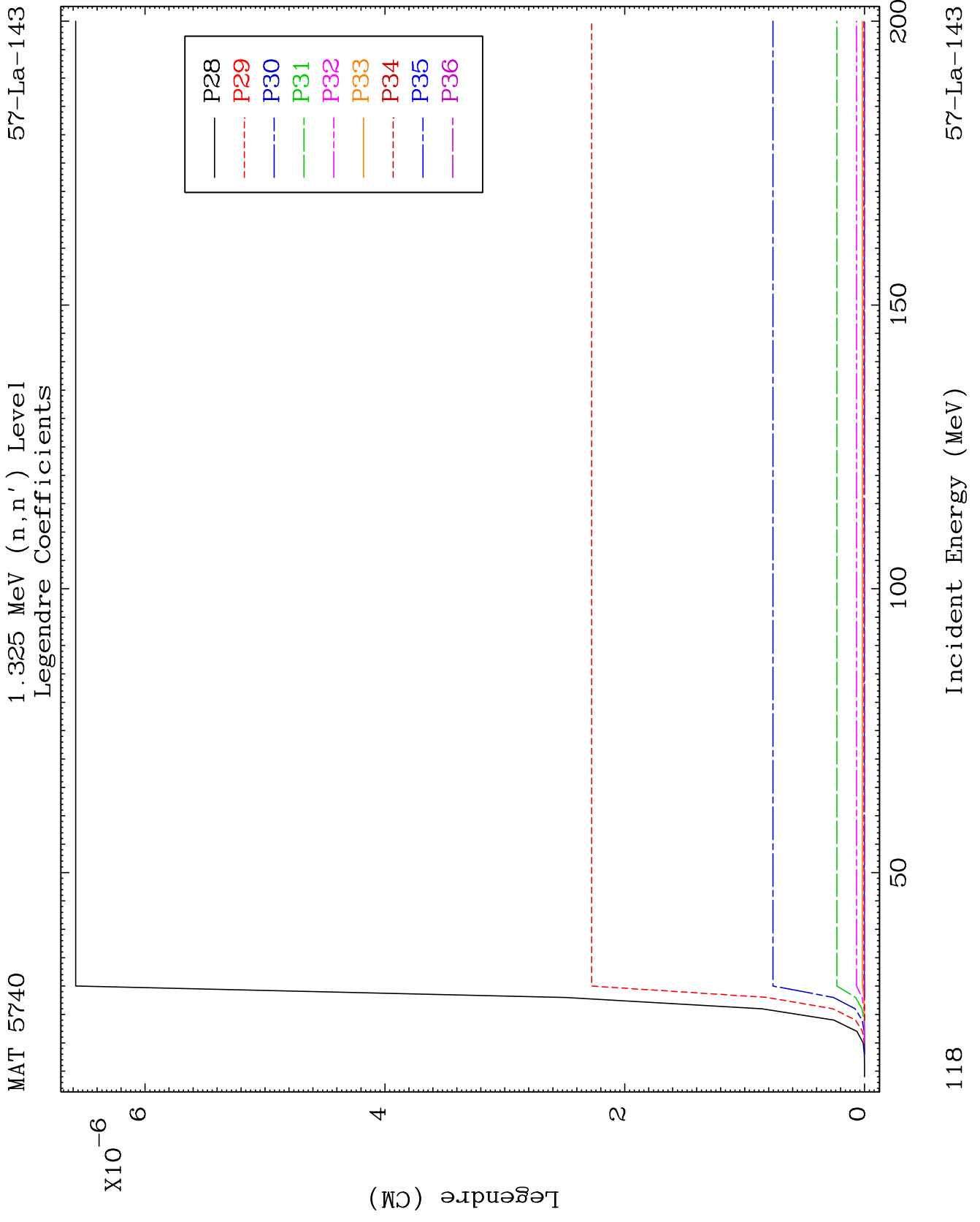


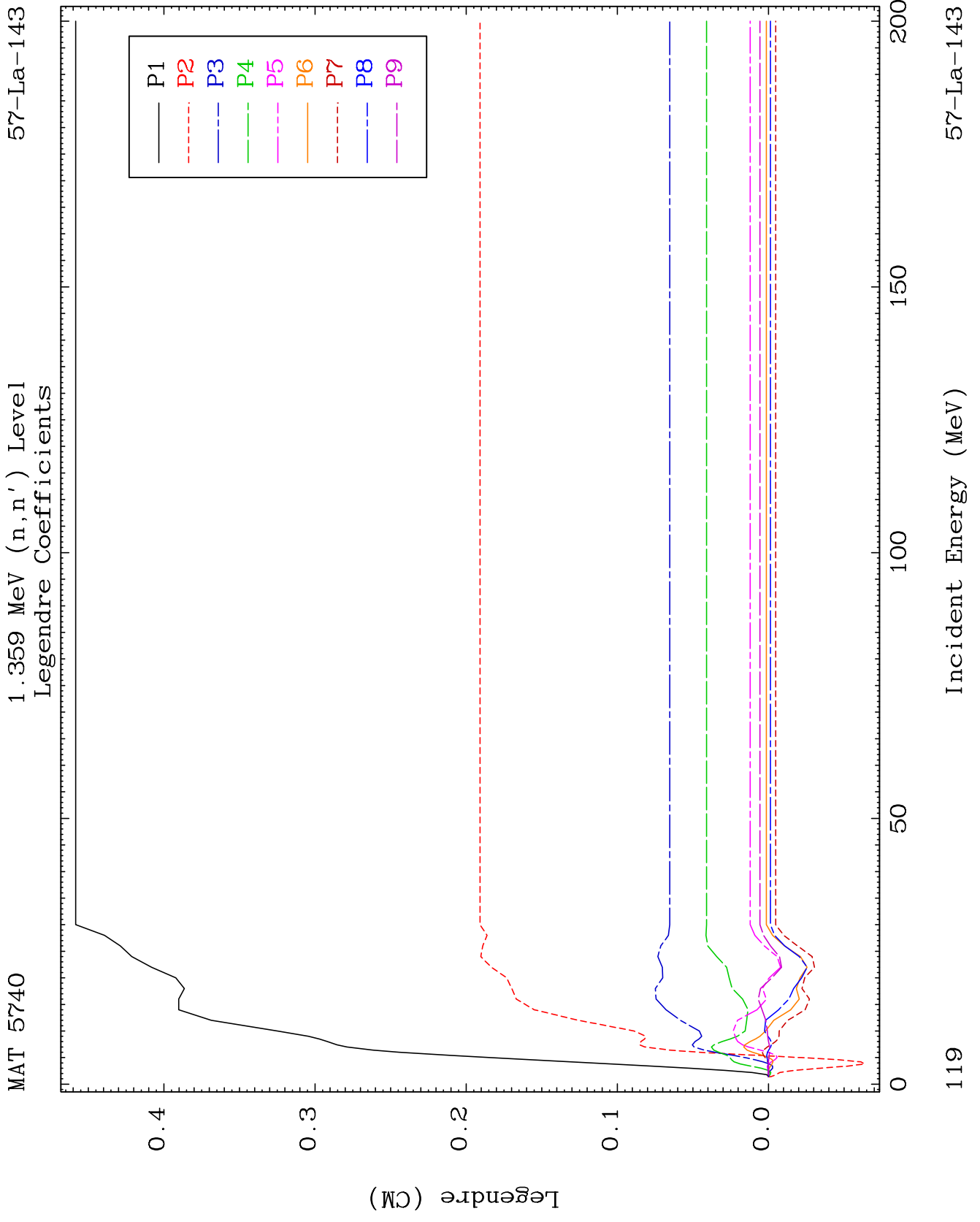




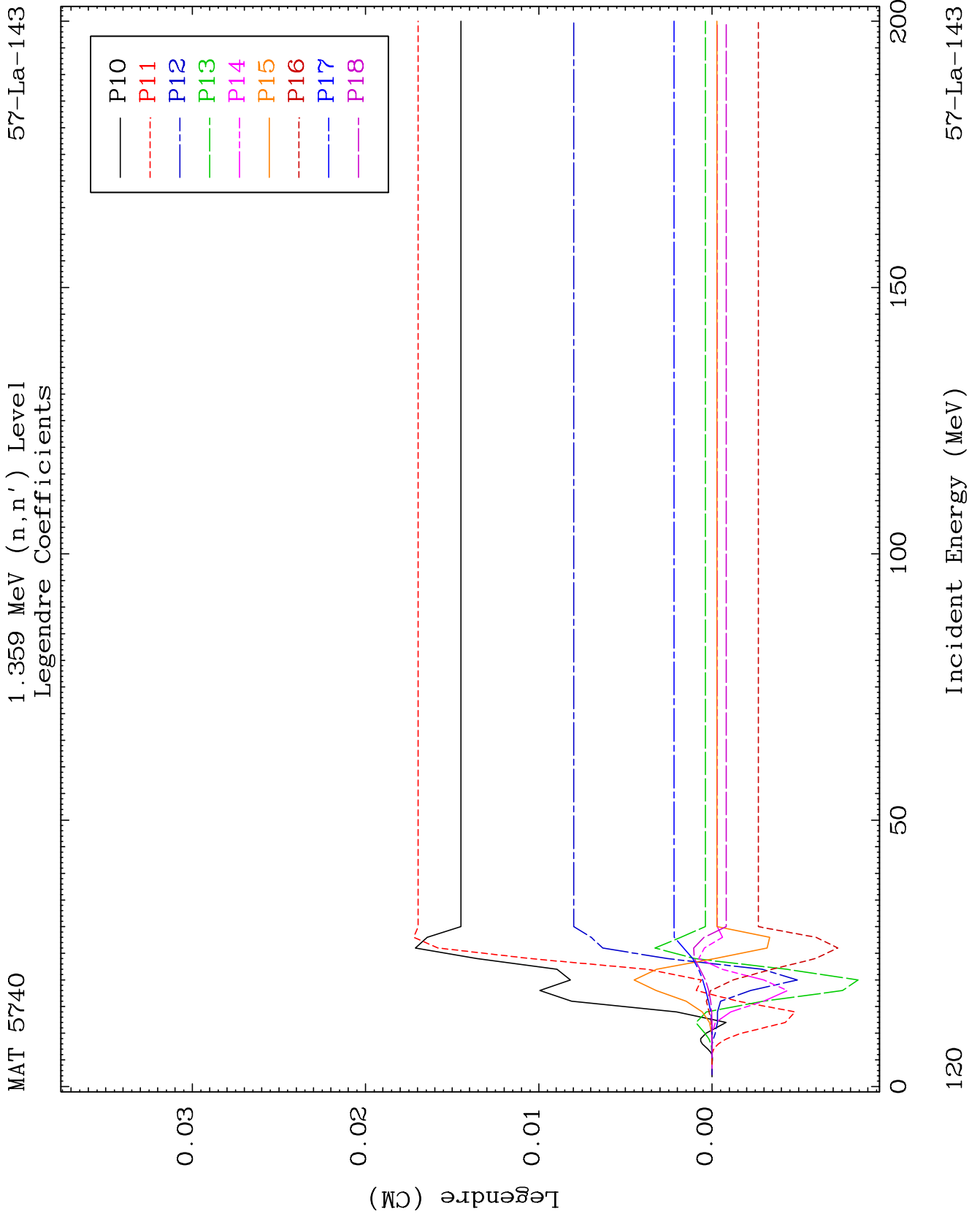








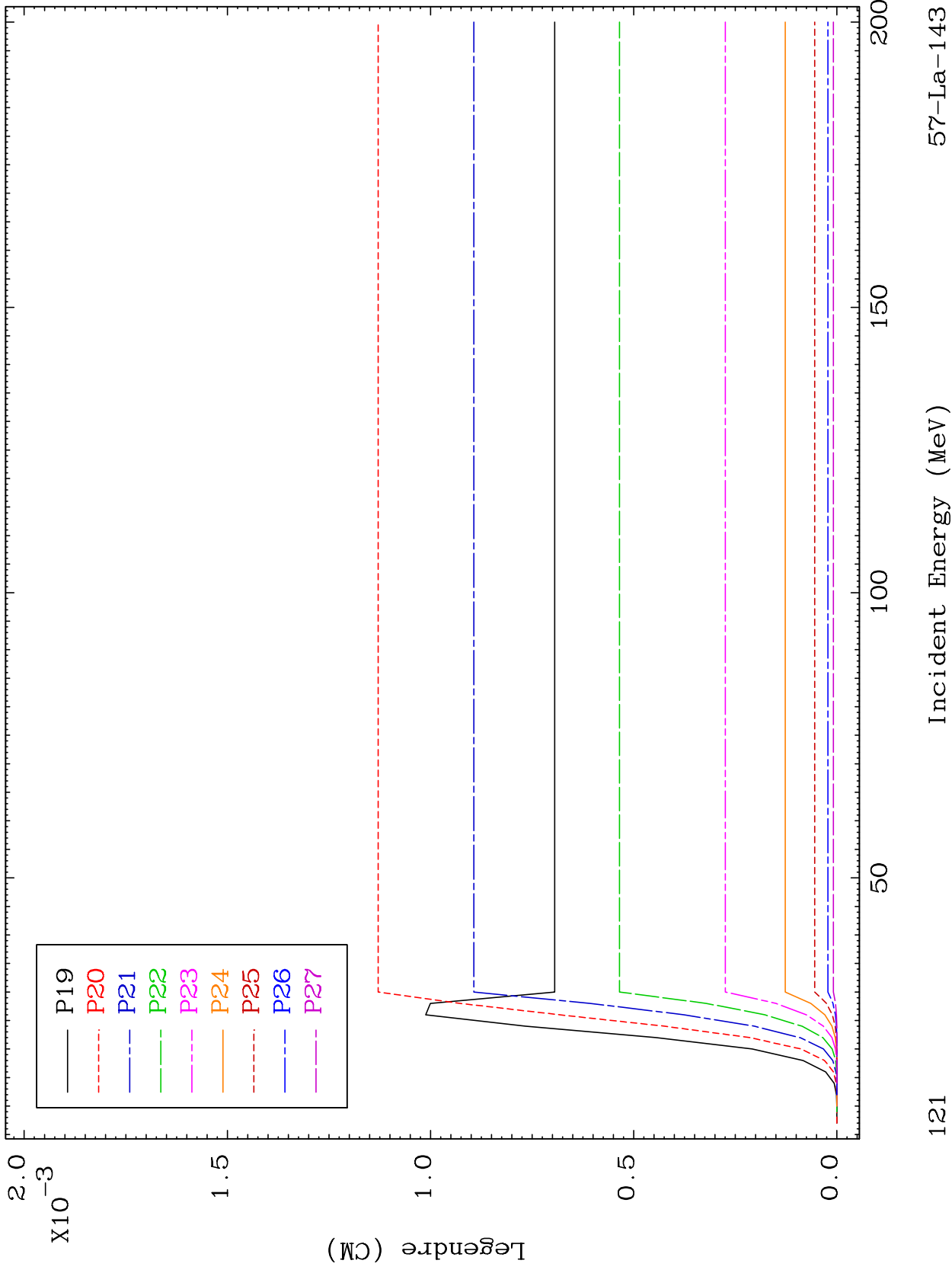




MAT 5740

1.359 MeV (n, n') Level  
Legendre Coefficients

57-La-143



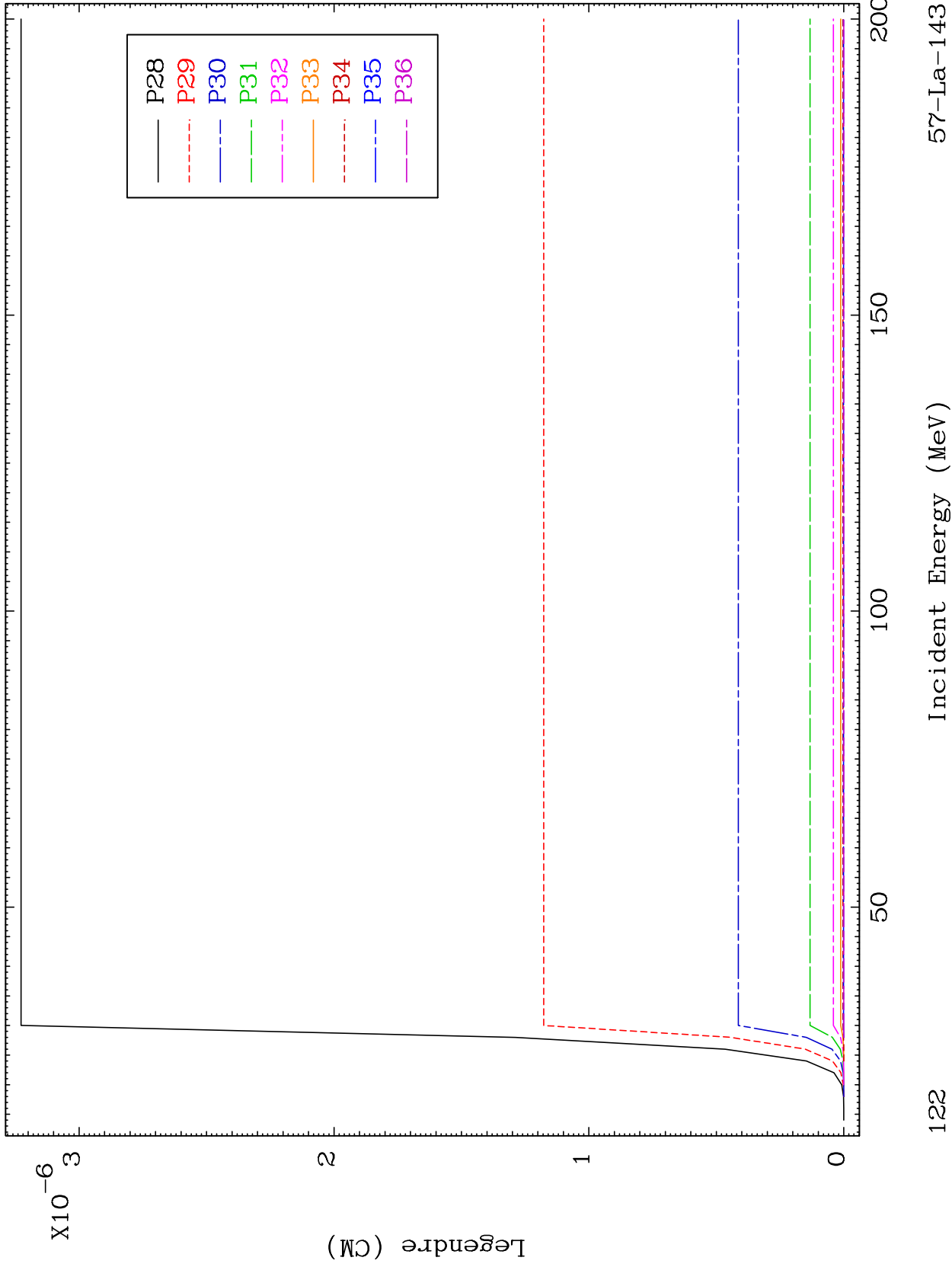
121

57-La-143

MAT 5740

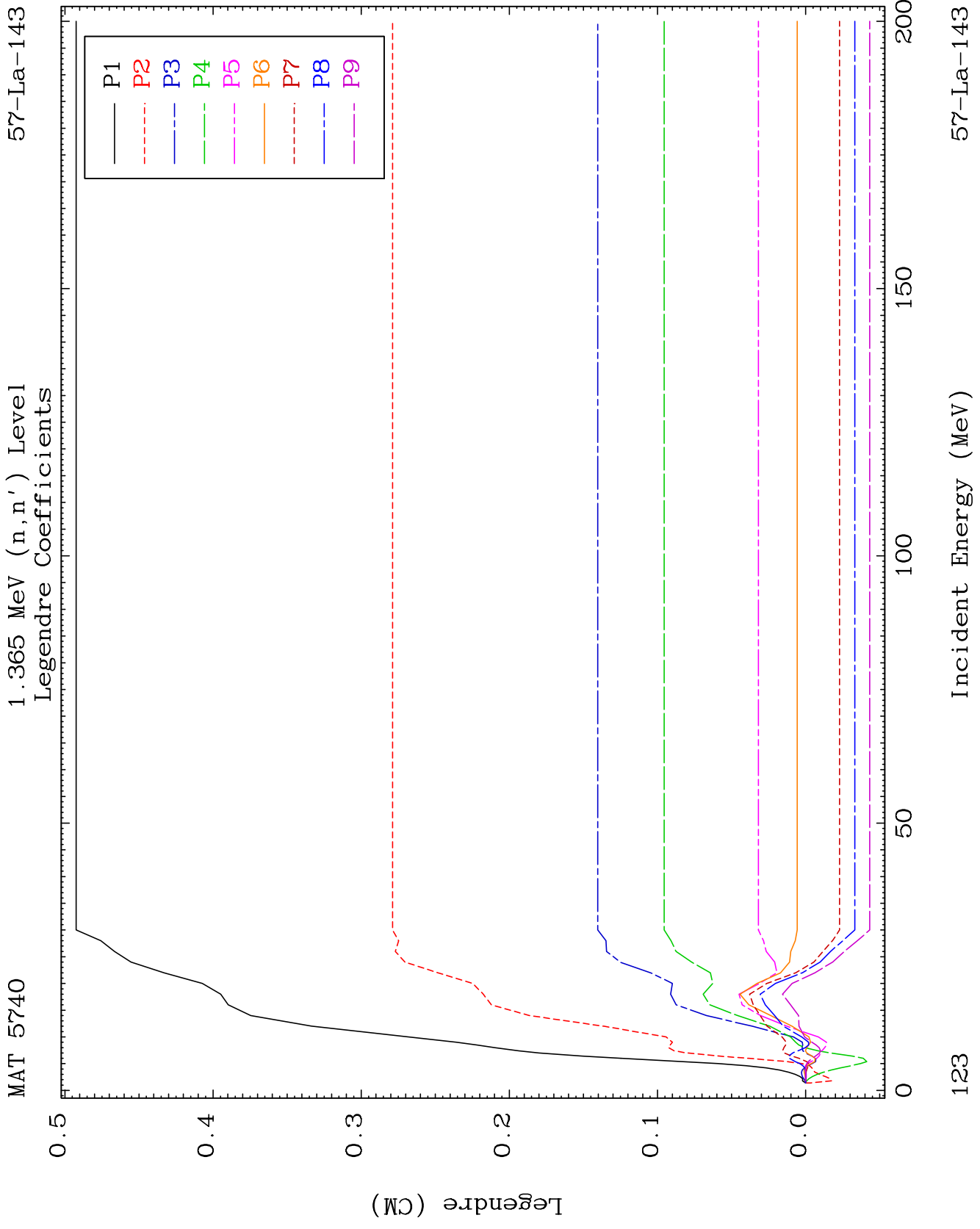
1.359 MeV (n,n') Level  
Legendre Coefficients

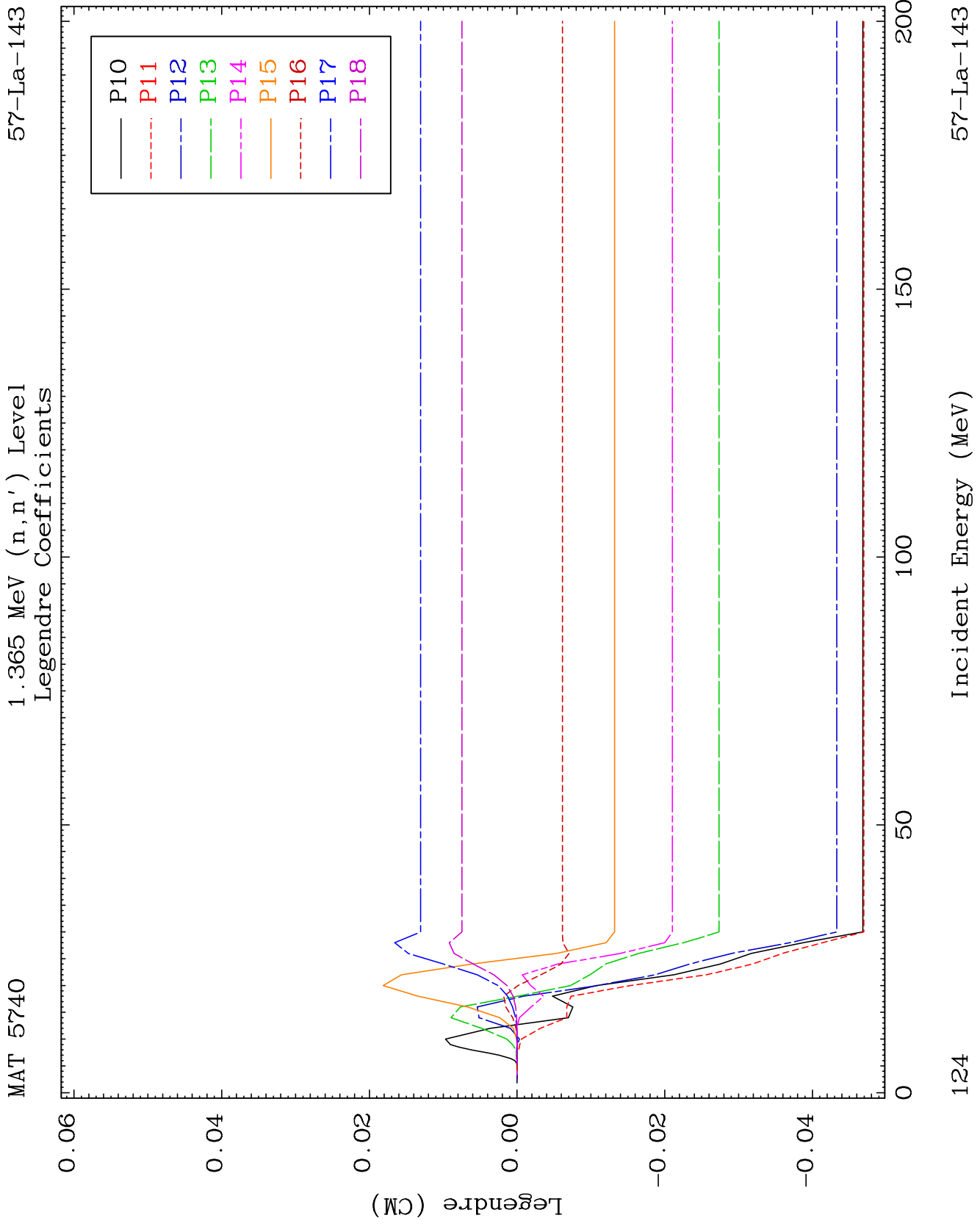
57-La-143



122

57-La-143

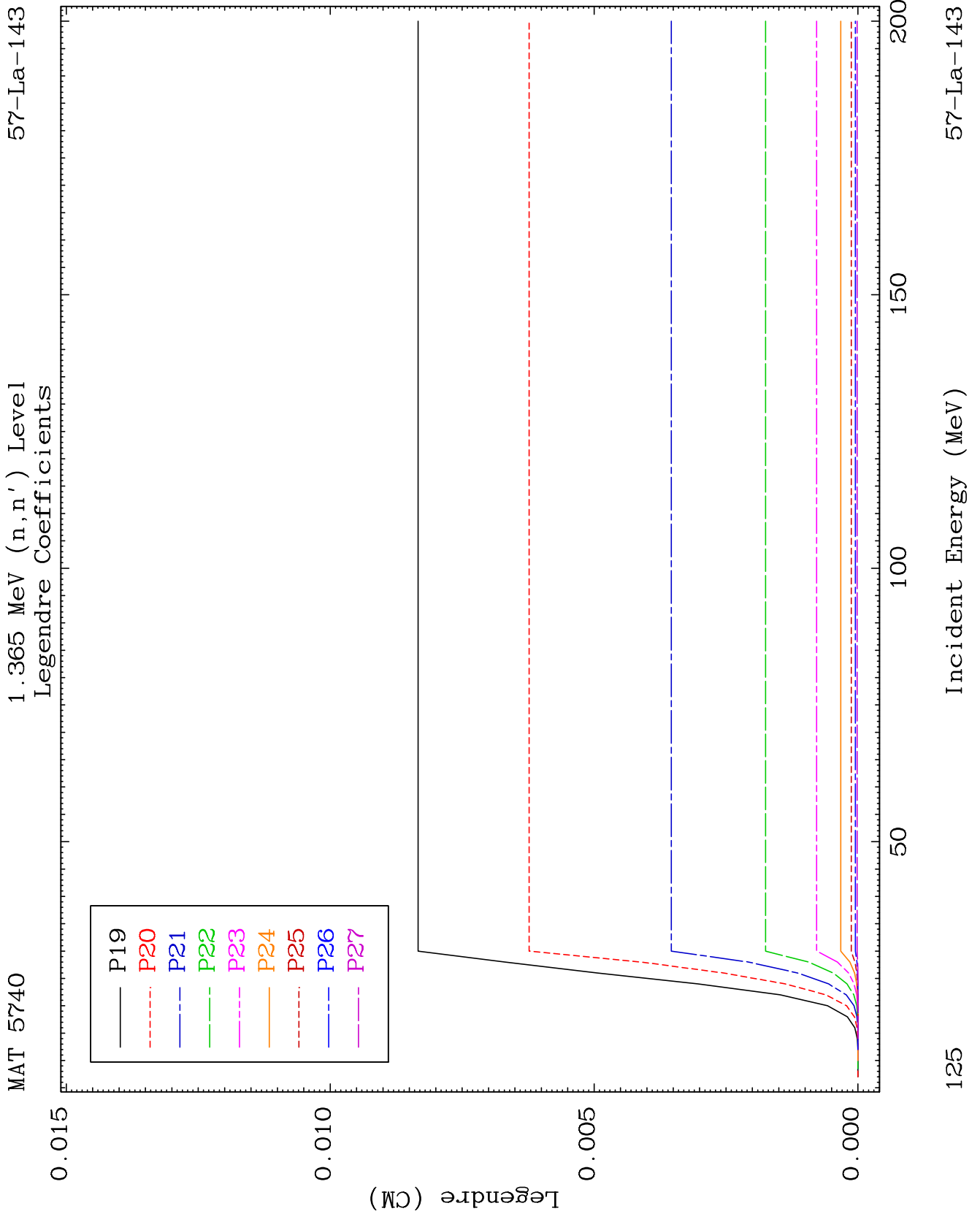




57-La-143

Incident Energy (MeV)

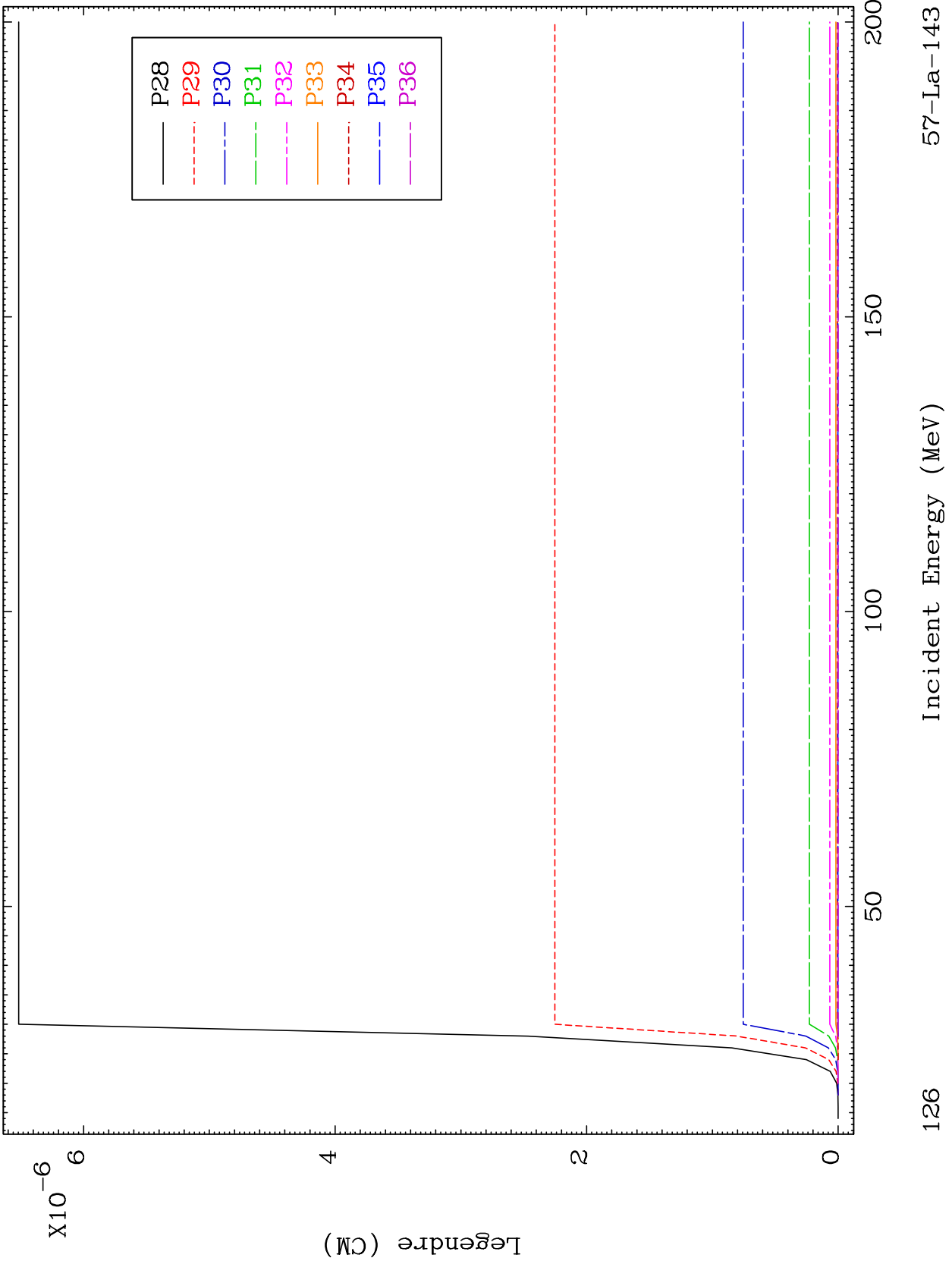
124



MAT 5740

1.365 MeV (n,n') Level  
Legendre Coefficients

57-La-143



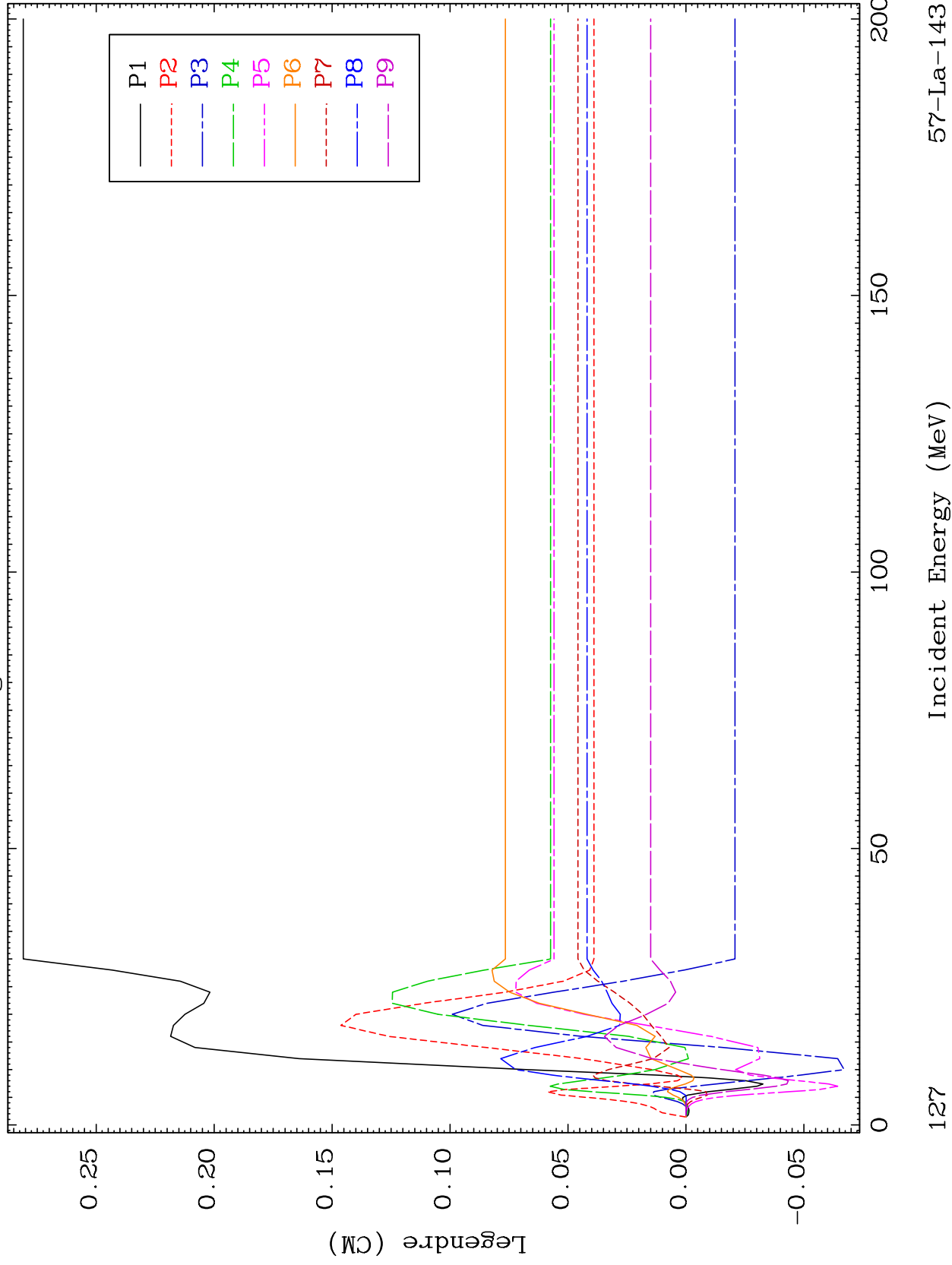
126

57-La-143

MAT 5740

1.408 MeV (n,n') Level  
Legendre Coefficients

57-La-143

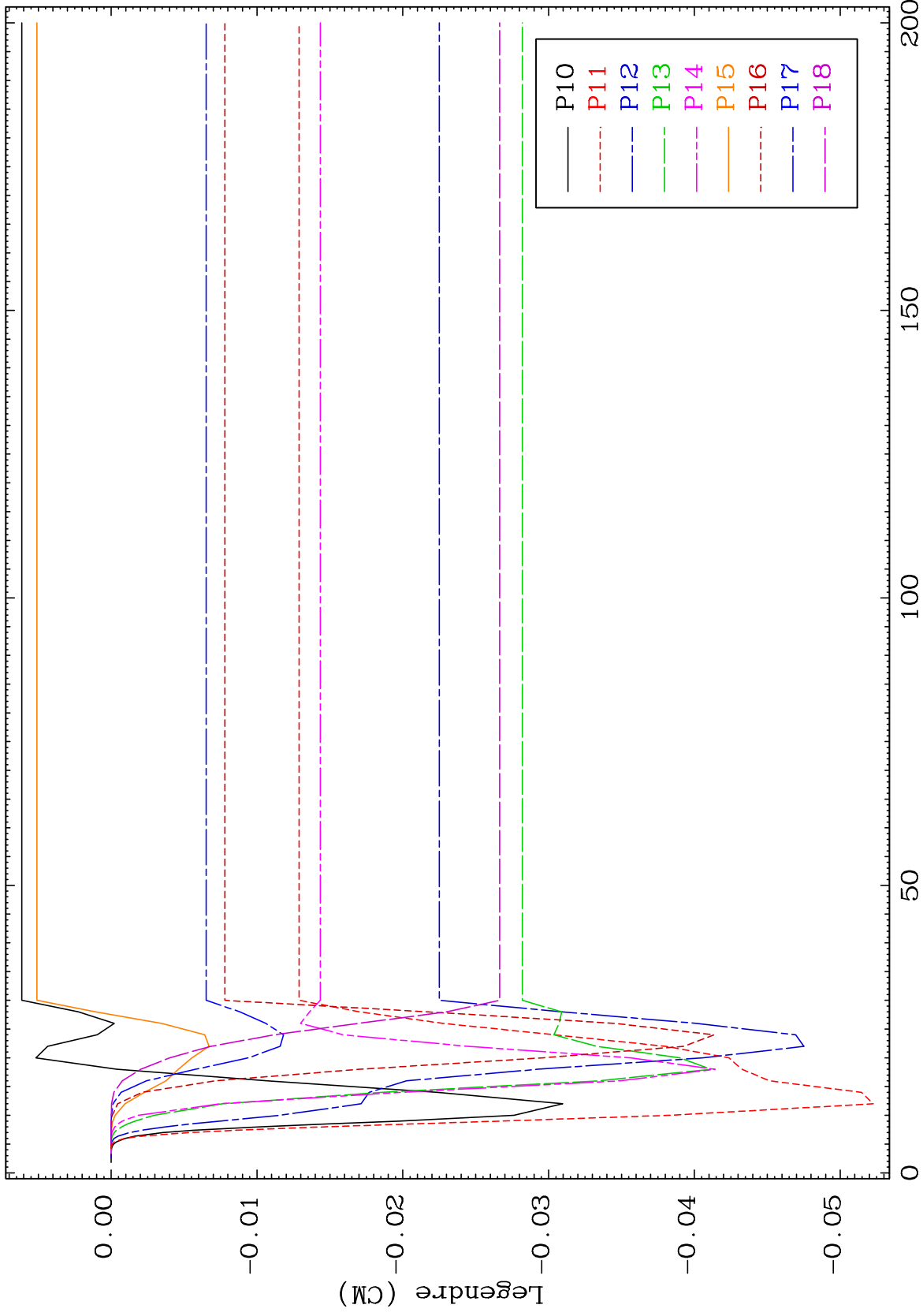


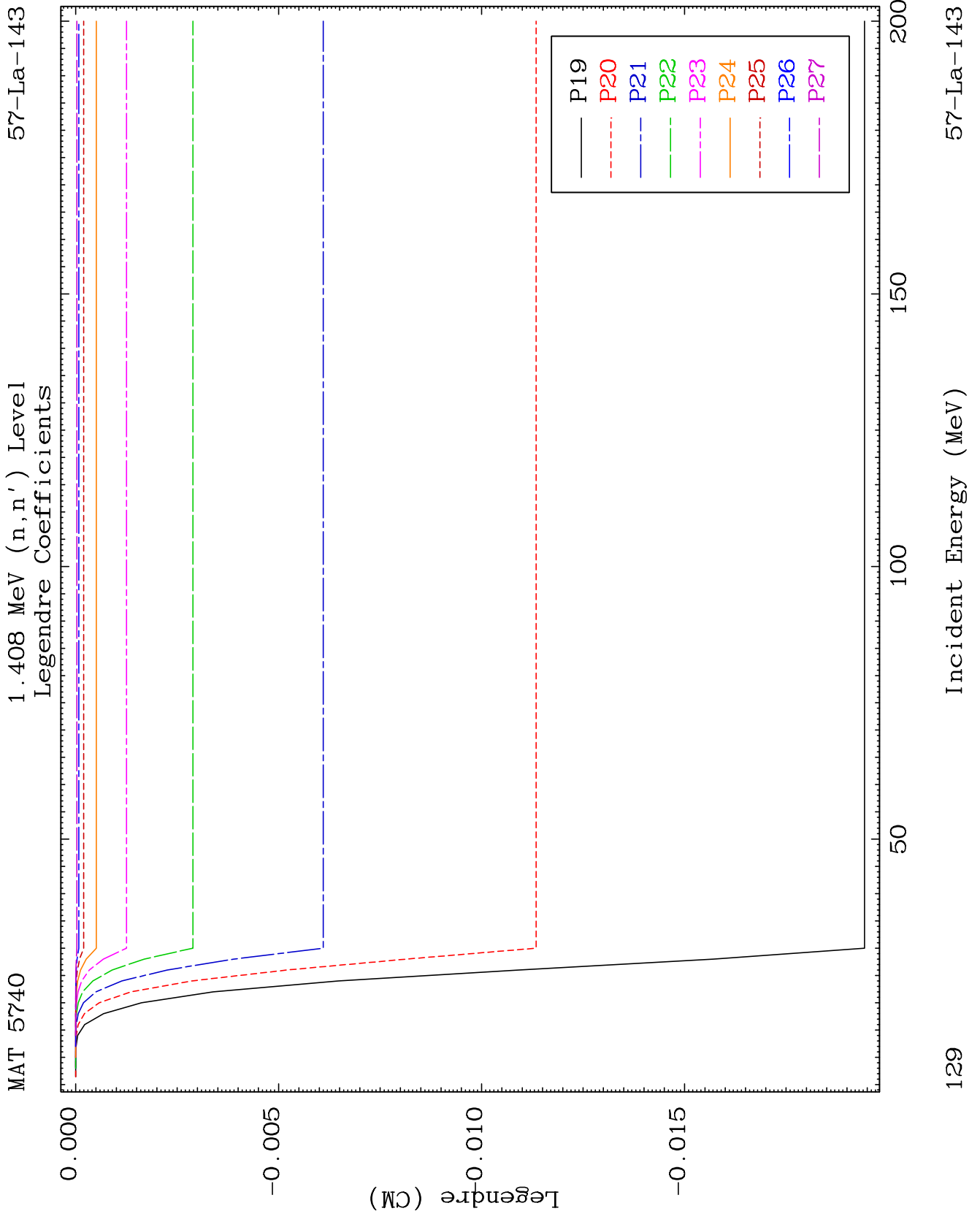
57-La-143

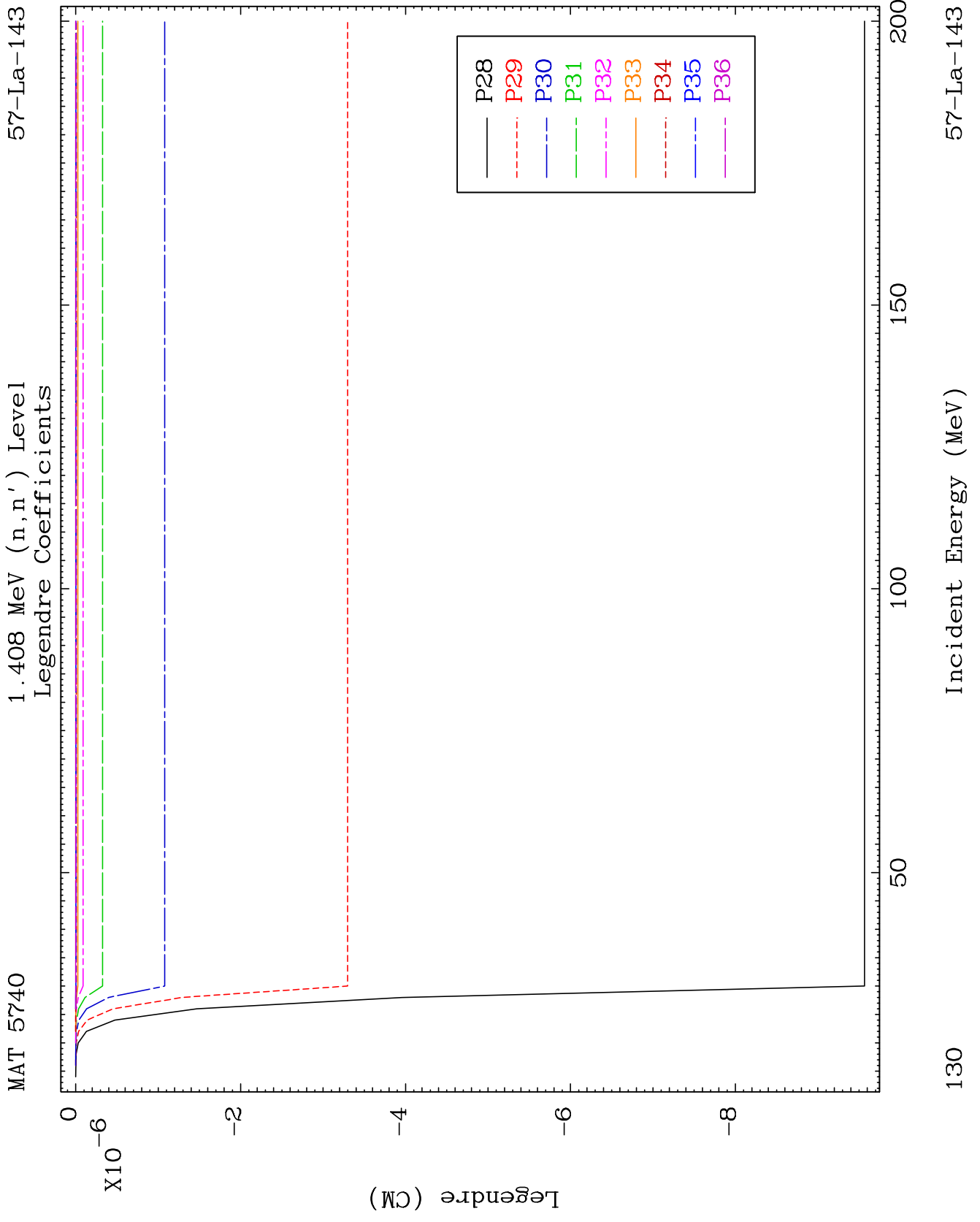
Incident Energy (MeV)

127





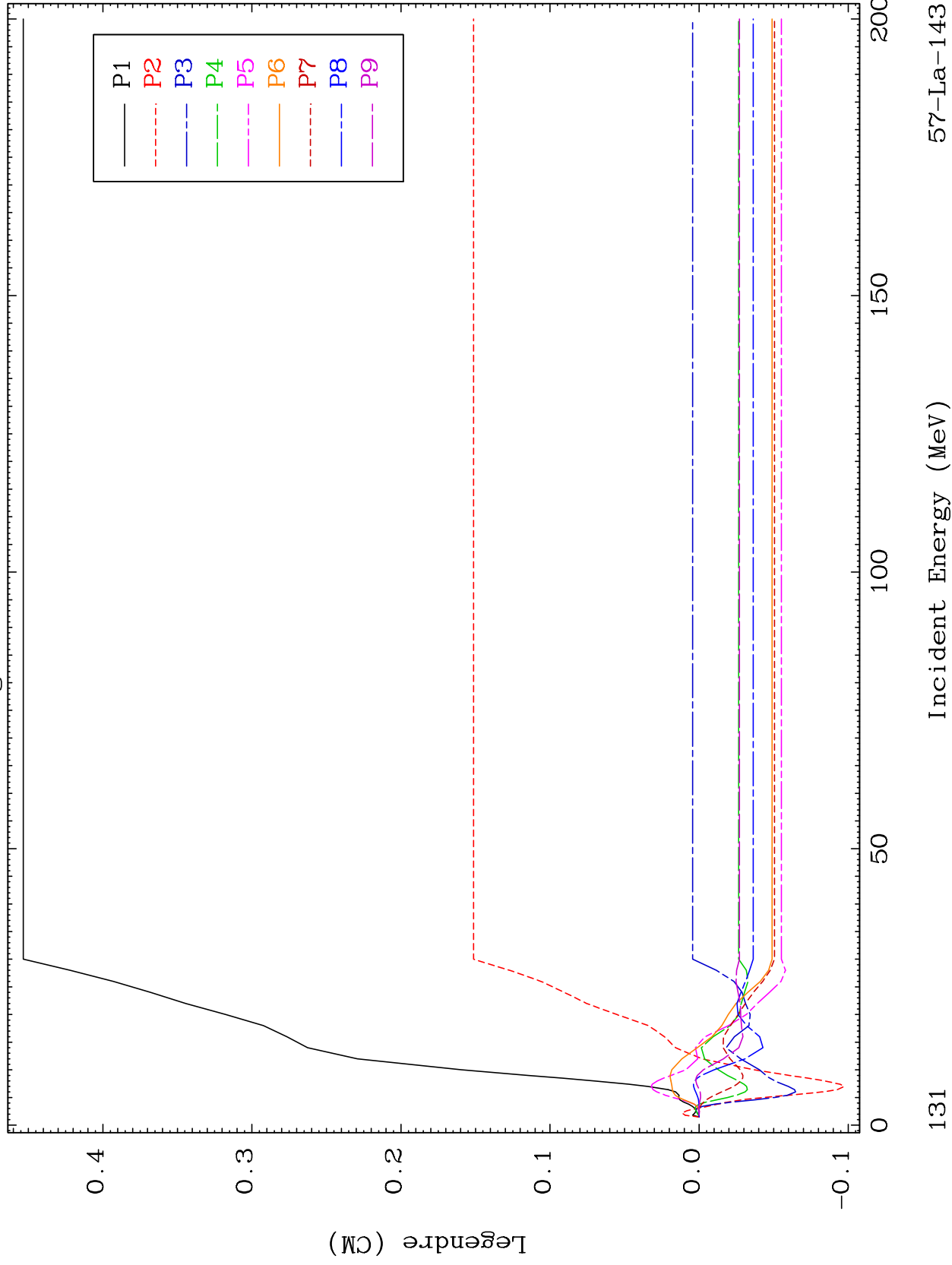




MAT 5740

1.449 MeV (n,n') Level  
Legendre Coefficients

57-La-143



57-La-143

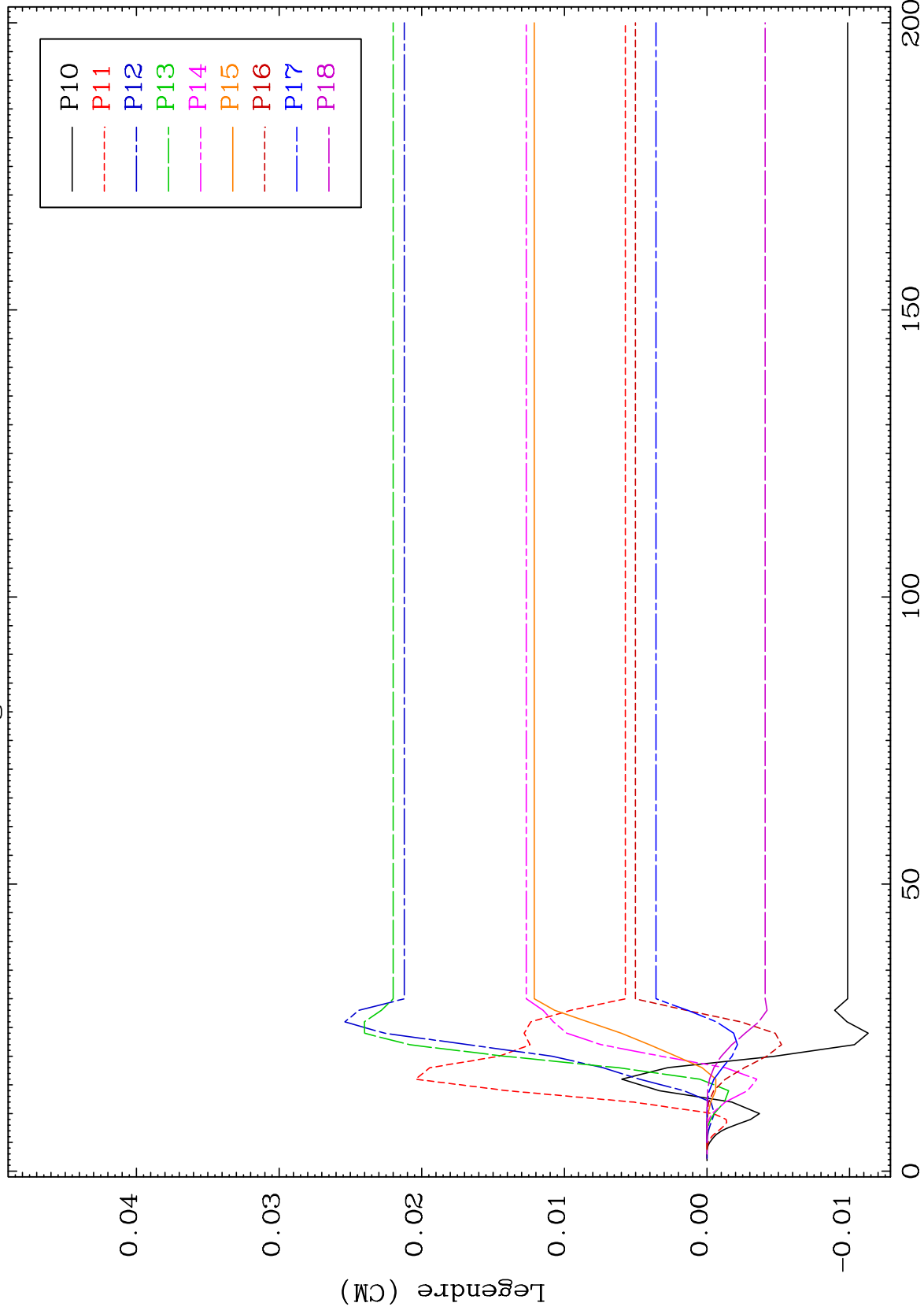
Incident Energy (MeV)

131

MAT 5740

1.449 MeV (n,n') Level  
Legendre Coefficients

57-La-143



132

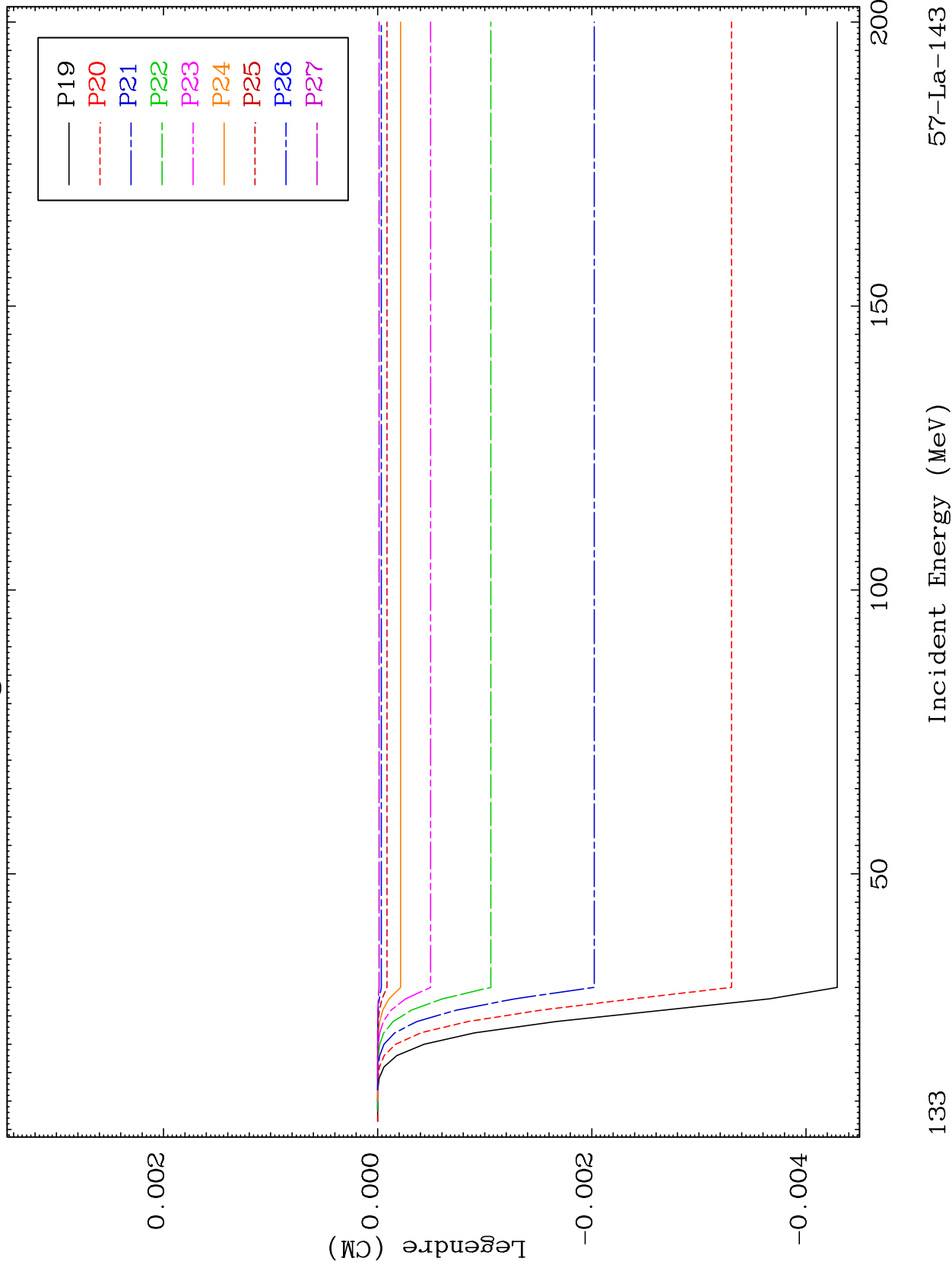
Incident Energy (MeV)

57-La-143

MAT 5740

1.449 MeV (n,n') Level  
Legendre Coefficients

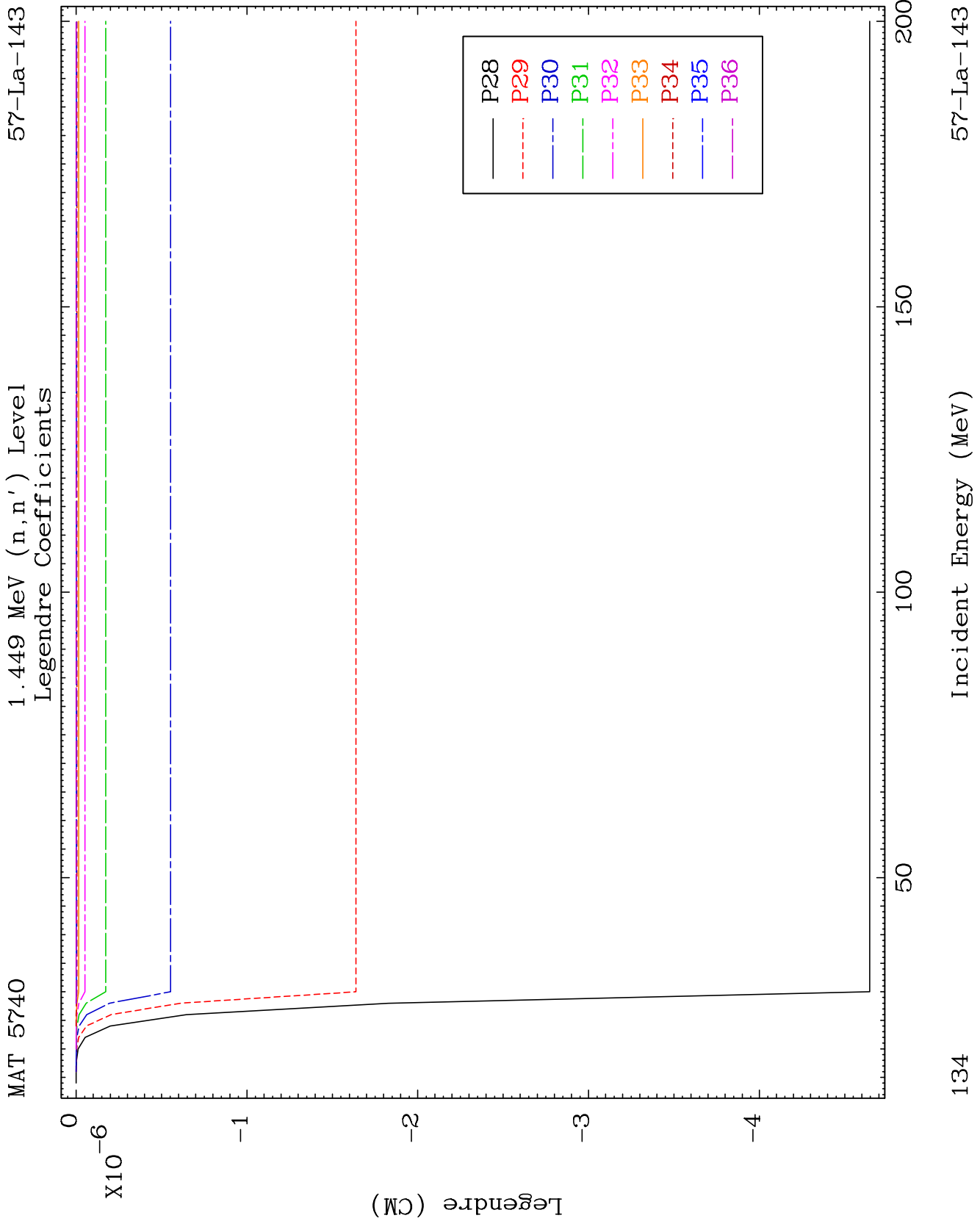
57-La-143

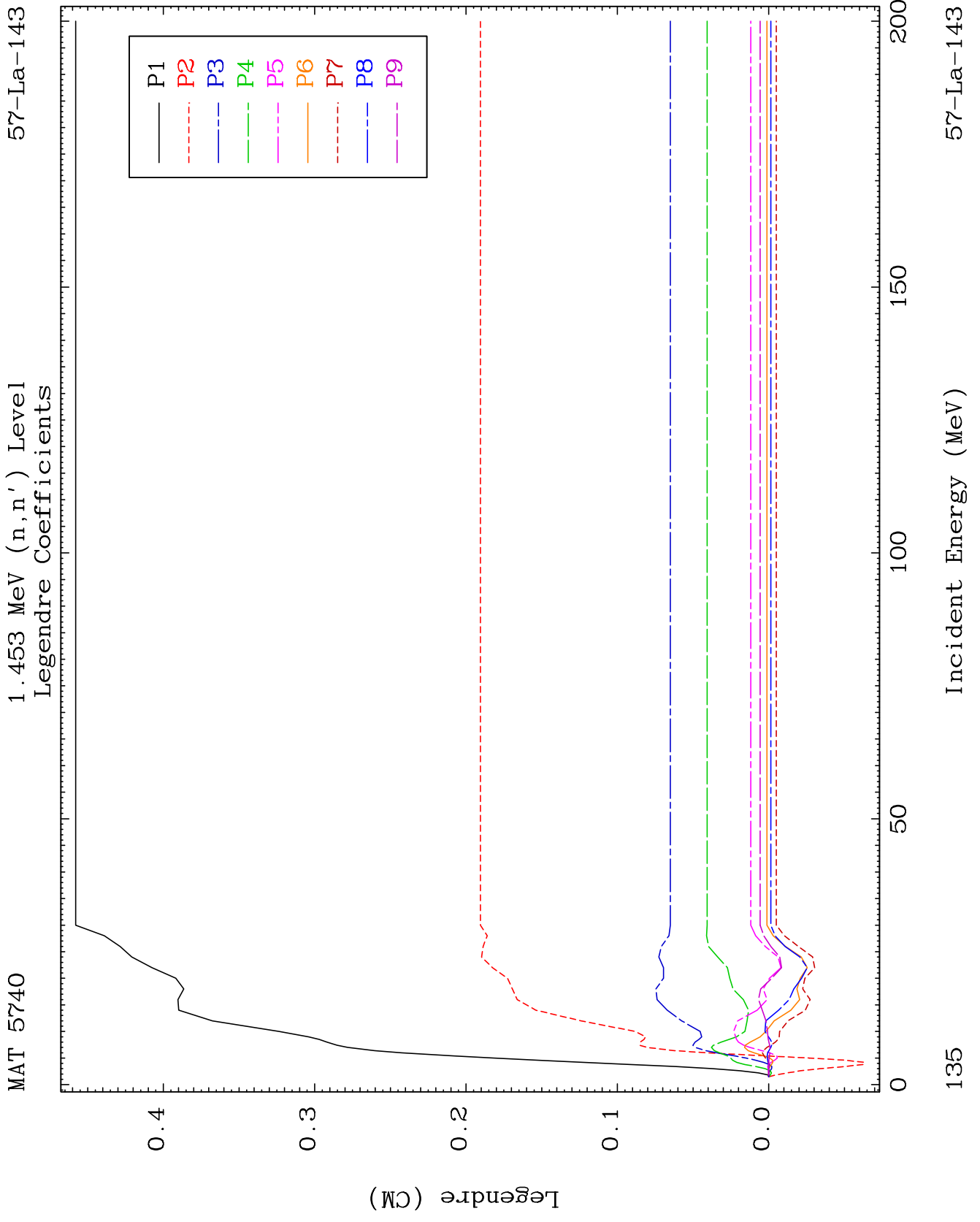


133

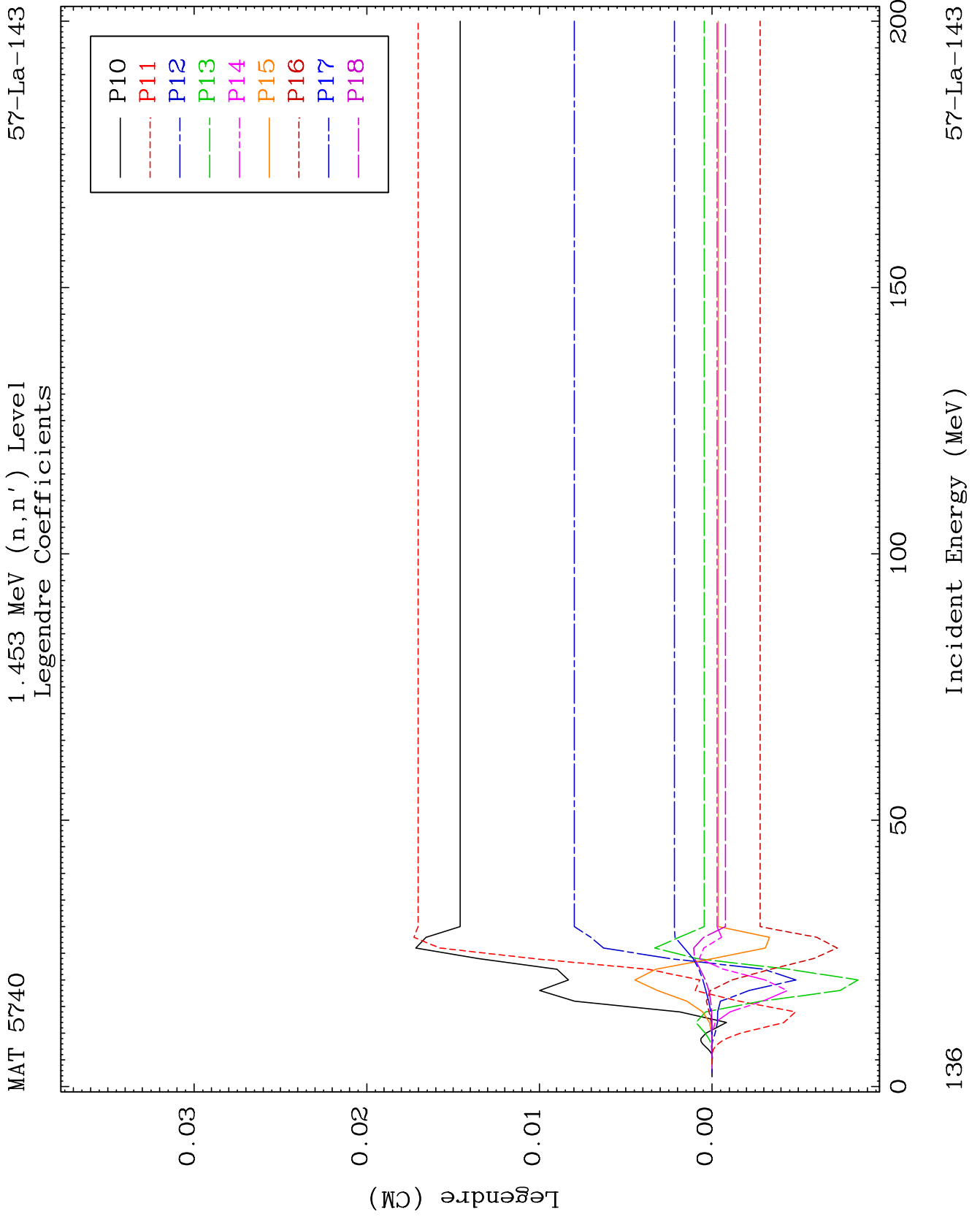
Incident Energy (MeV)

57-La-143





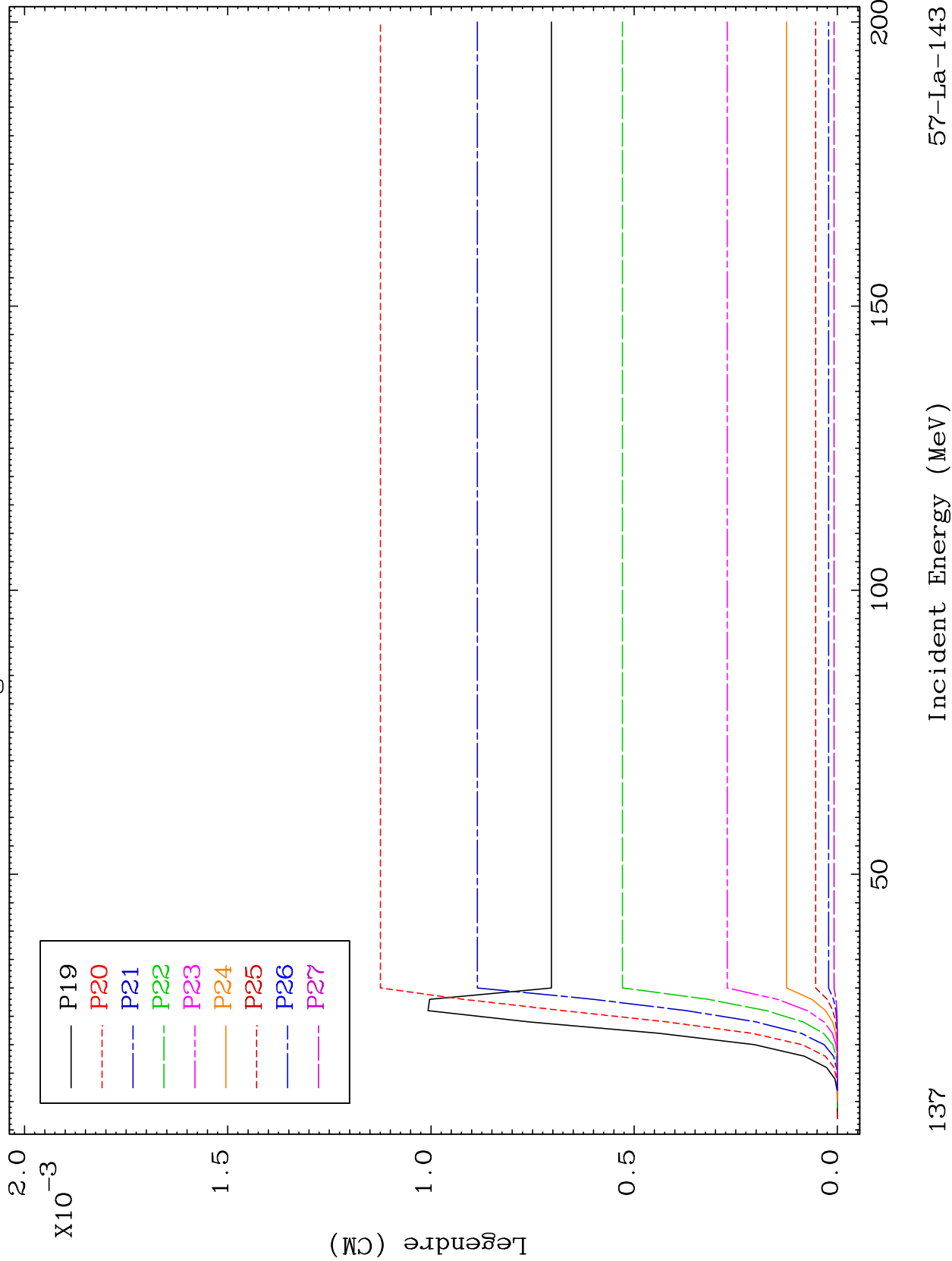




MAT 5740

1.453 MeV (n,n') Level  
Legendre Coefficients

57-La-143



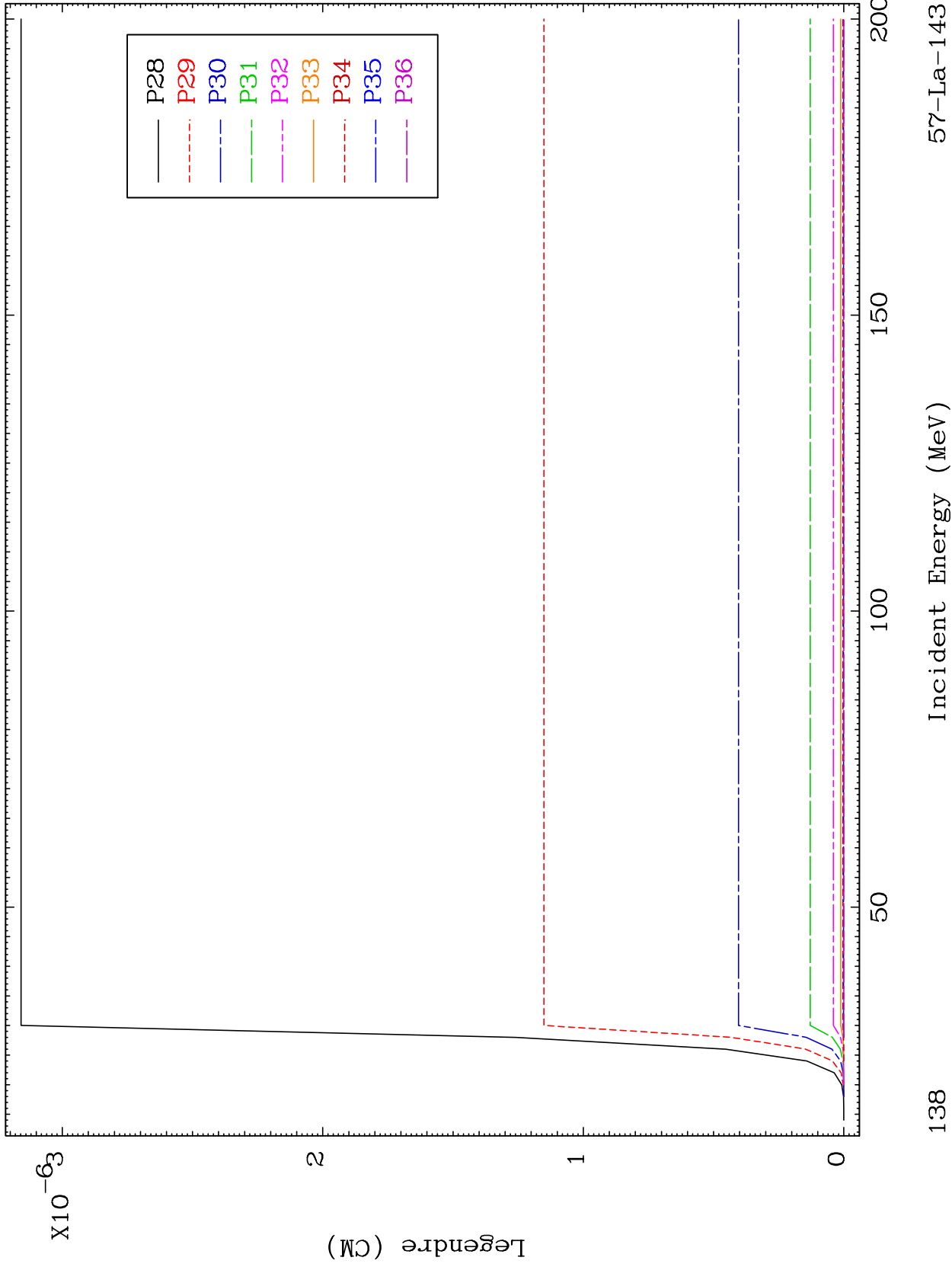
137

57-La-143

MAT 5740

1.453 MeV (n,n') Level  
Legendre Coefficients

57-La-143



138

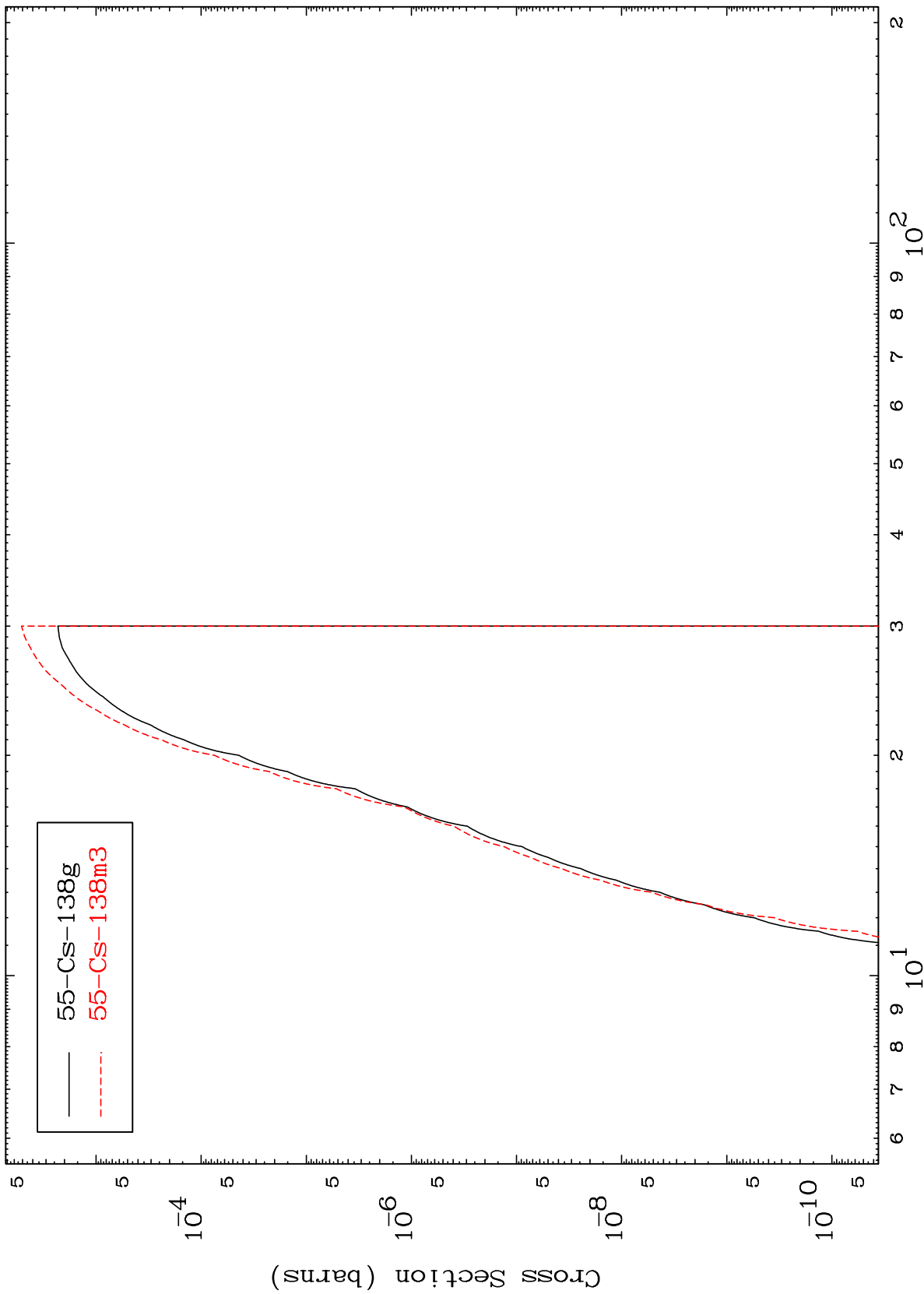
57-La-143

MAT 5740

$(n, 2n) \alpha$

57-La-143

Radionuclide Production Cross Section



55-Cs-138g  
55-Cs-138m3

139

Incident Energy (MeV)

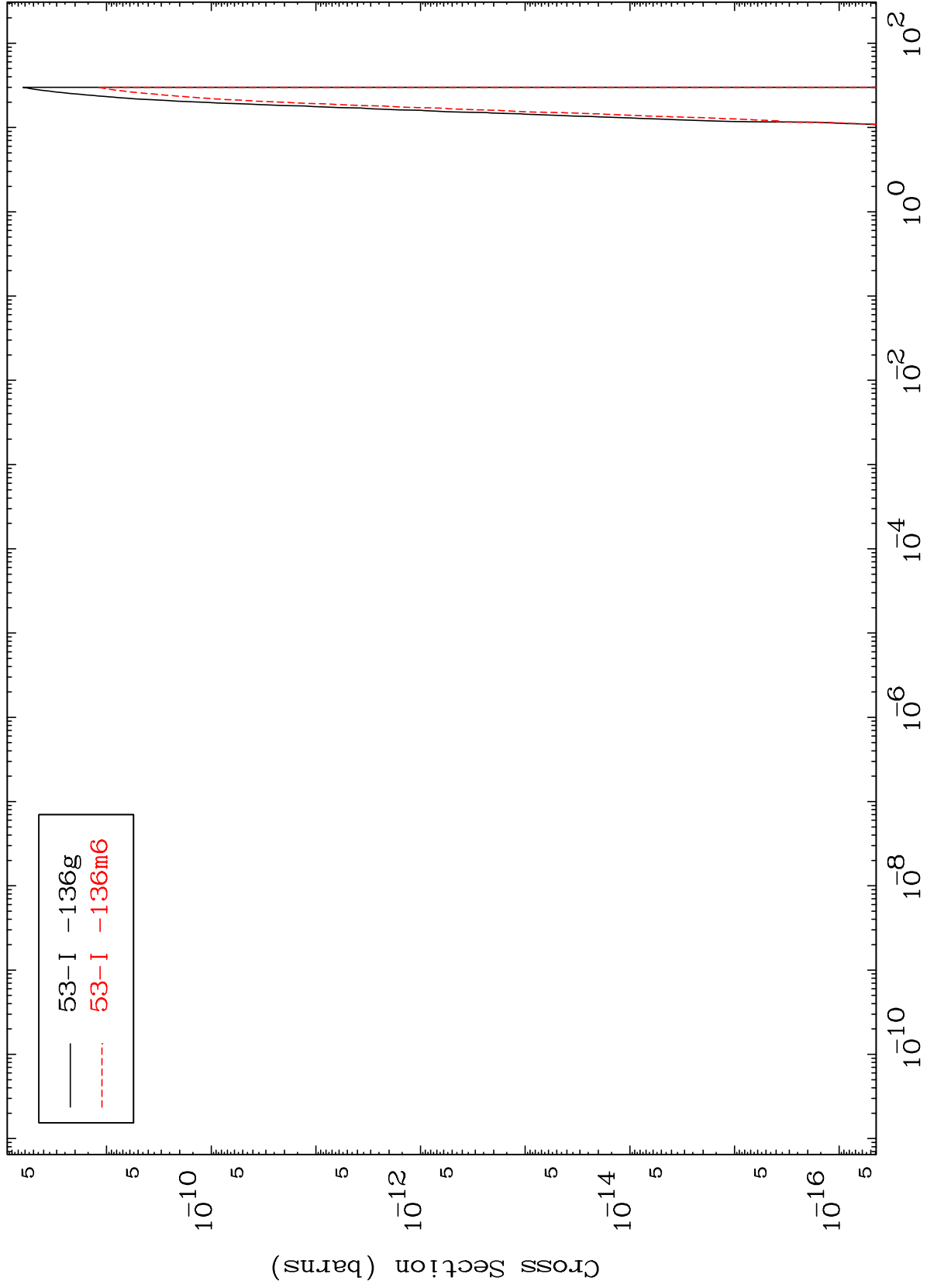
57-La-143

MAT 5740

(n,2α)

57-La-143

Radionuclide Production Cross Section



140

Incident Energy (MeV)

57-La-143