

Program EVALPLOT  
(Version 2015-2)

by

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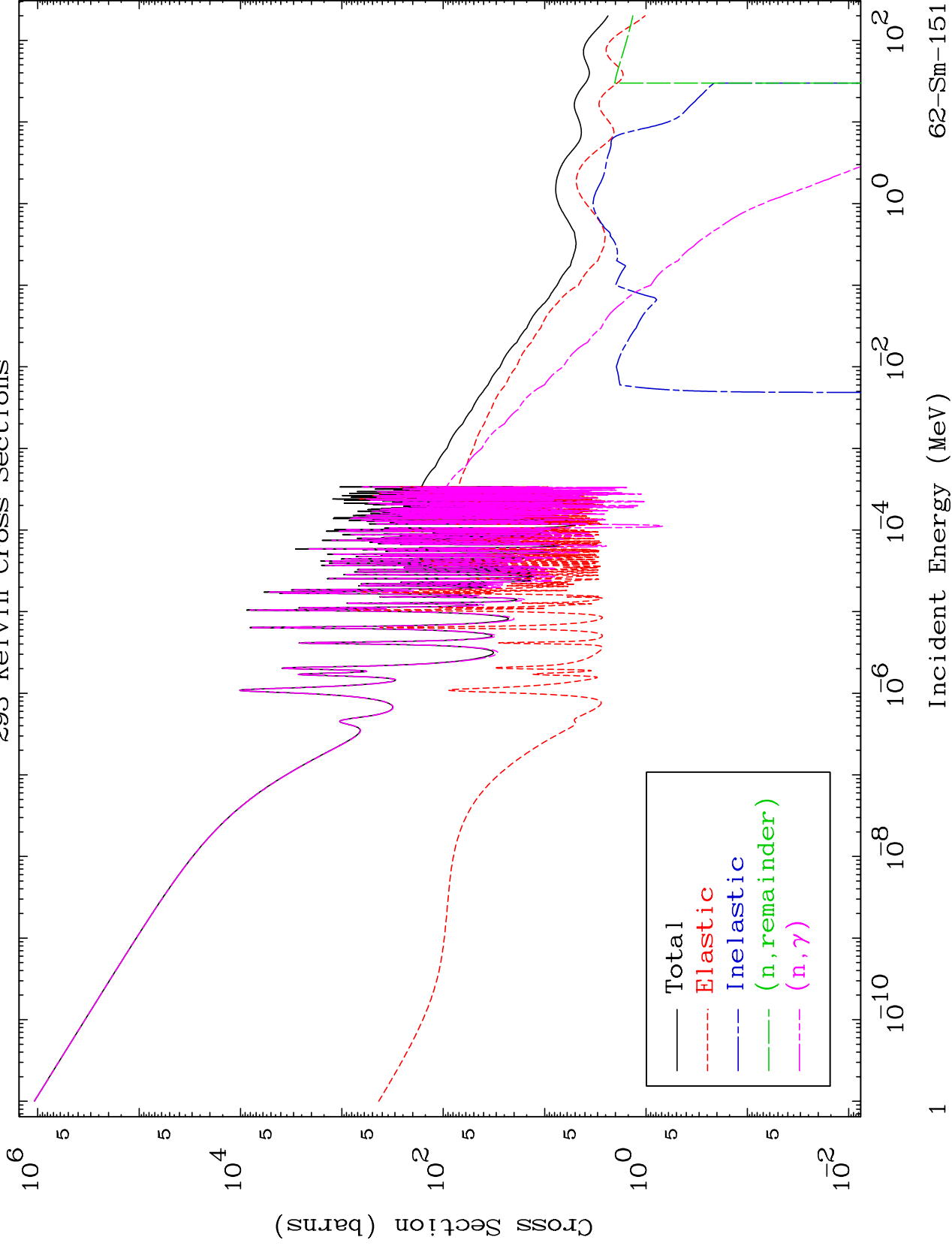
Press Mouse Button to Start

MAT 6246

Major

293 Kelvin Cross Sections

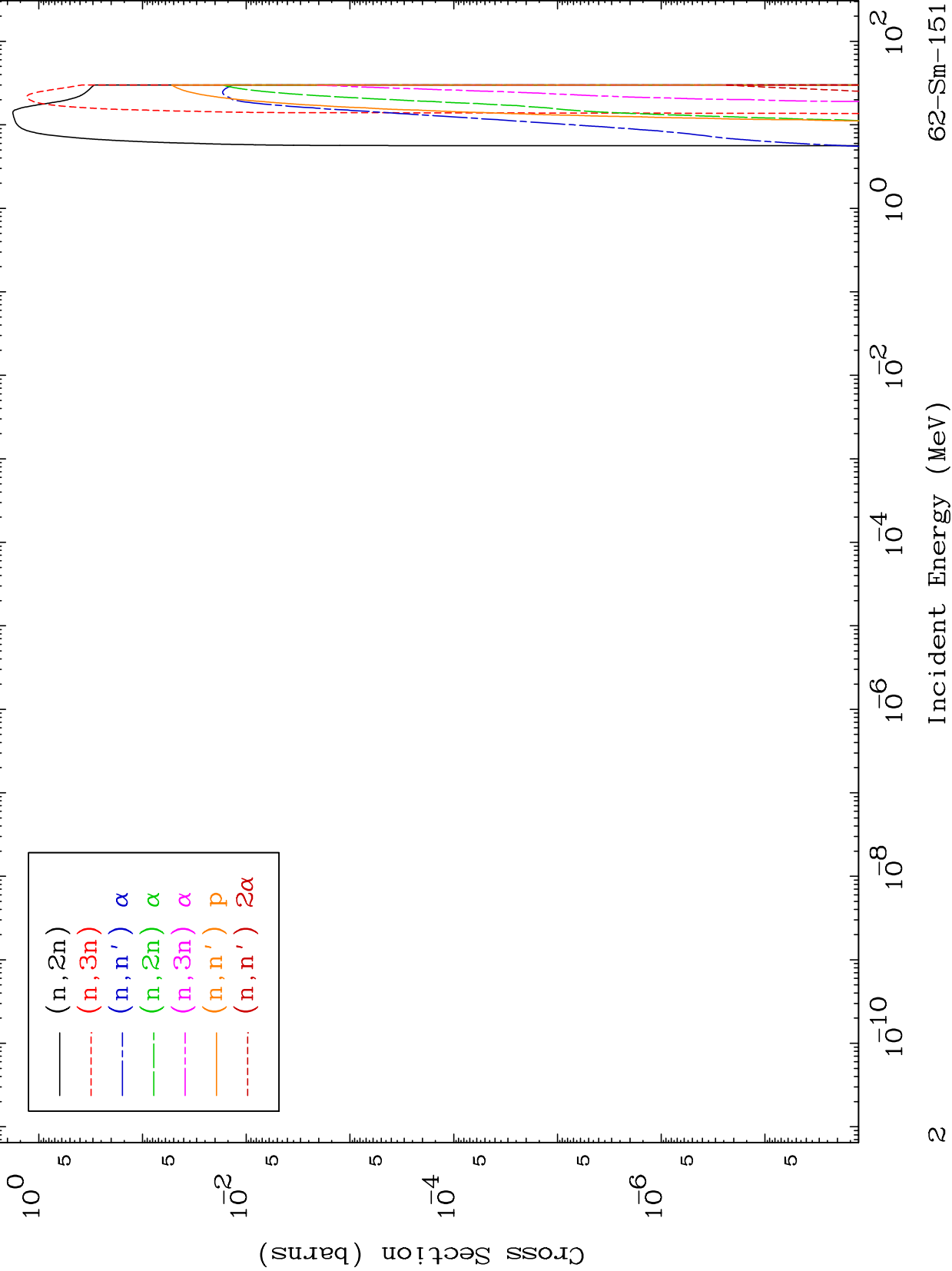
62-Sm-151



MAT 6246

Neutron Production  
293 Kelvin Cross Sections

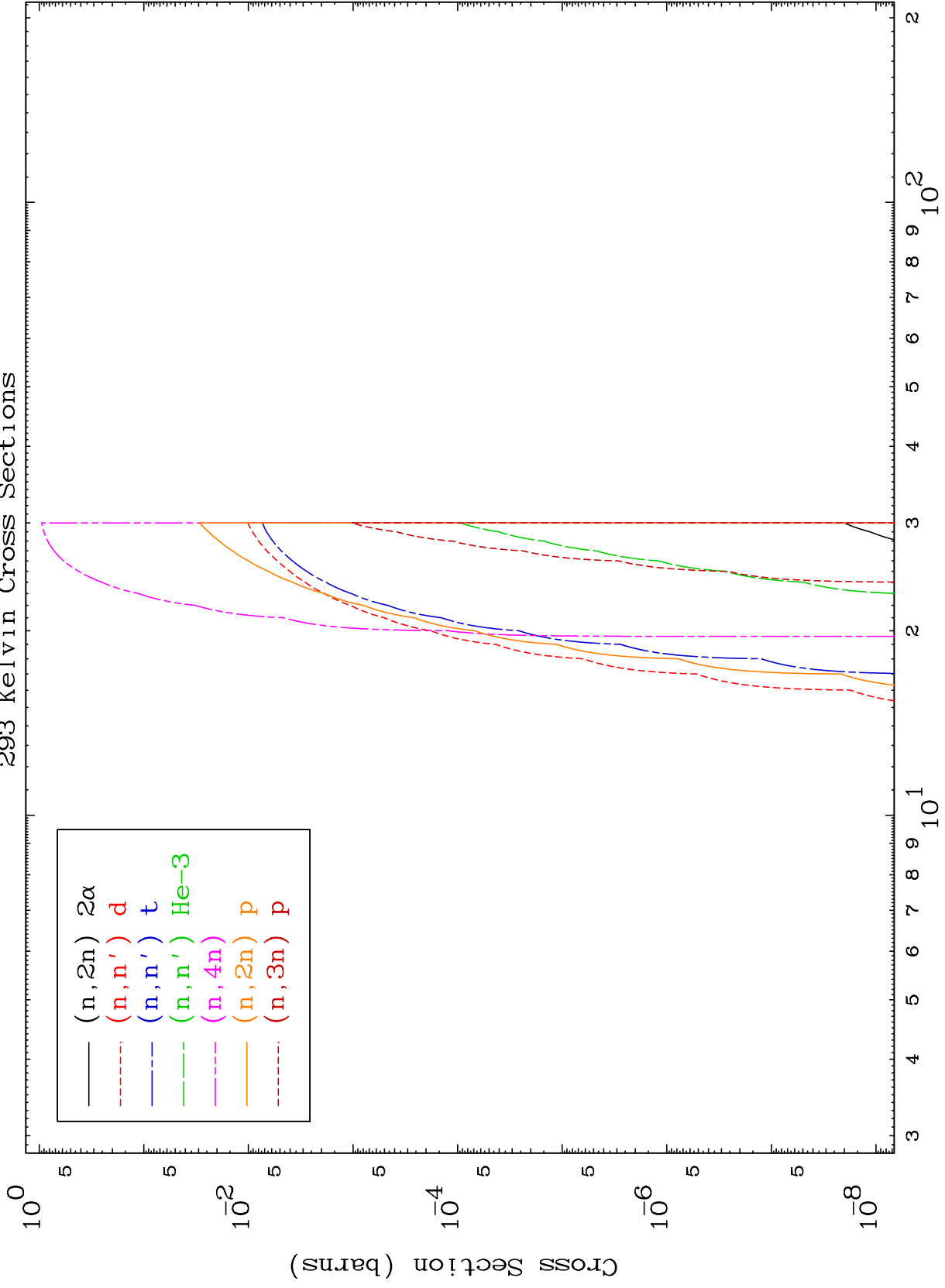
62-Sm-151



MAT 6246

Neutron Production  
293 Kelvin Cross Sections

62-Sm-151



Incident Energy (MeV)

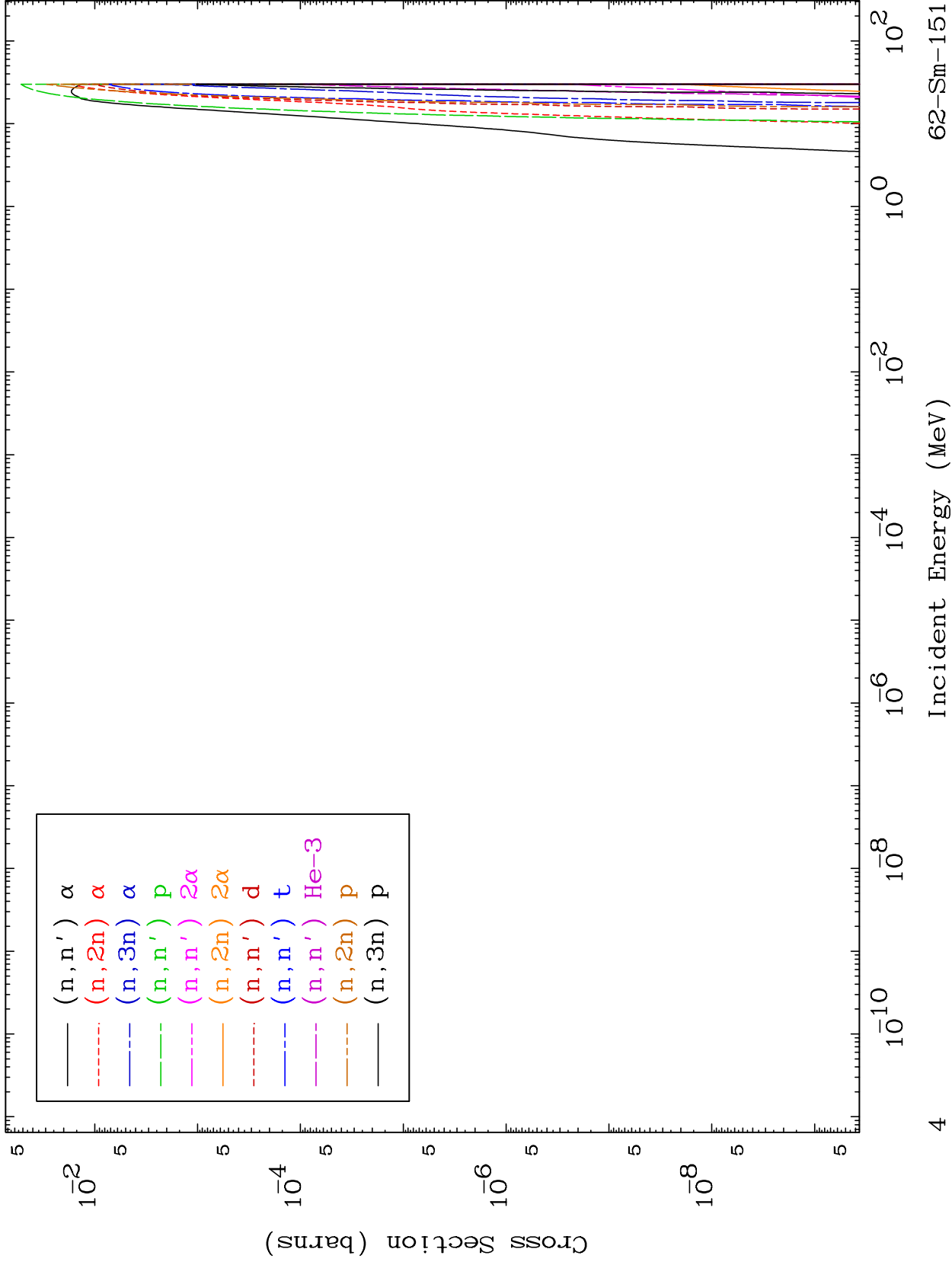
62-Sm-151

3

MAT 6246

Charged Particle  
293 Kelvin Cross Sections

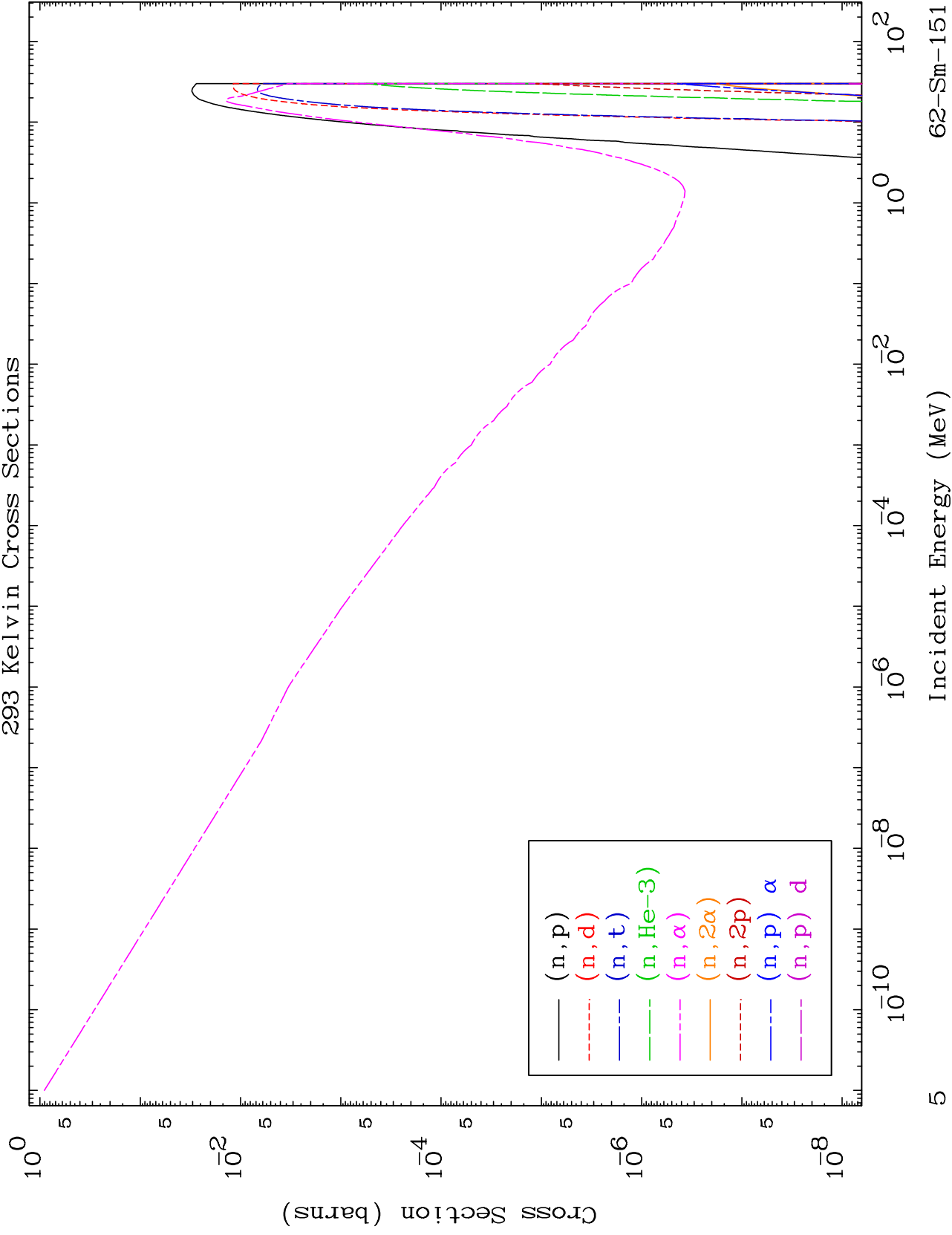
62-Sm-151



MAT 6246

Charged Particle  
293 Kelvin Cross Sections

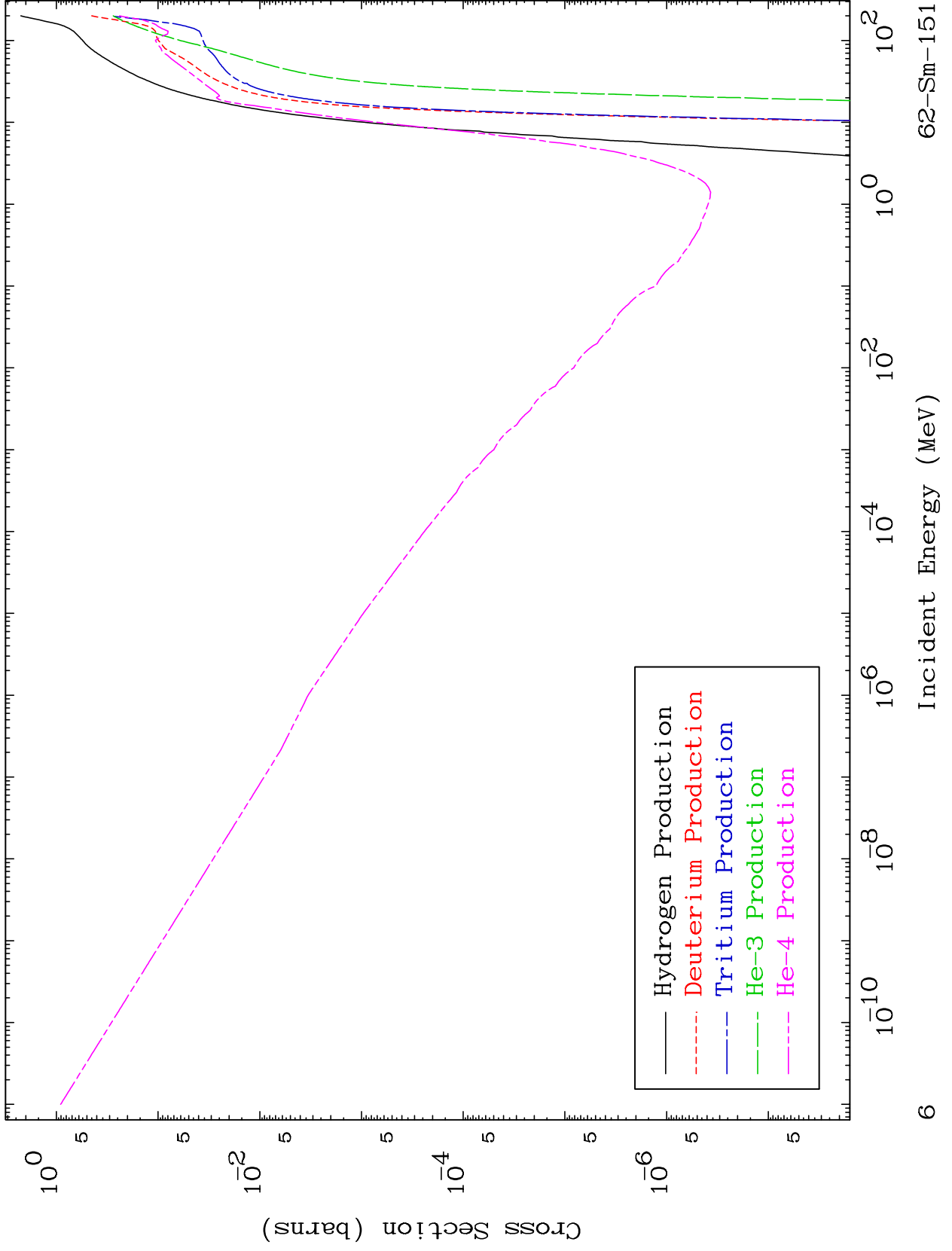
62-Sm-151



MAT 6246

Particle Production  
293 Kelvin Cross Sections

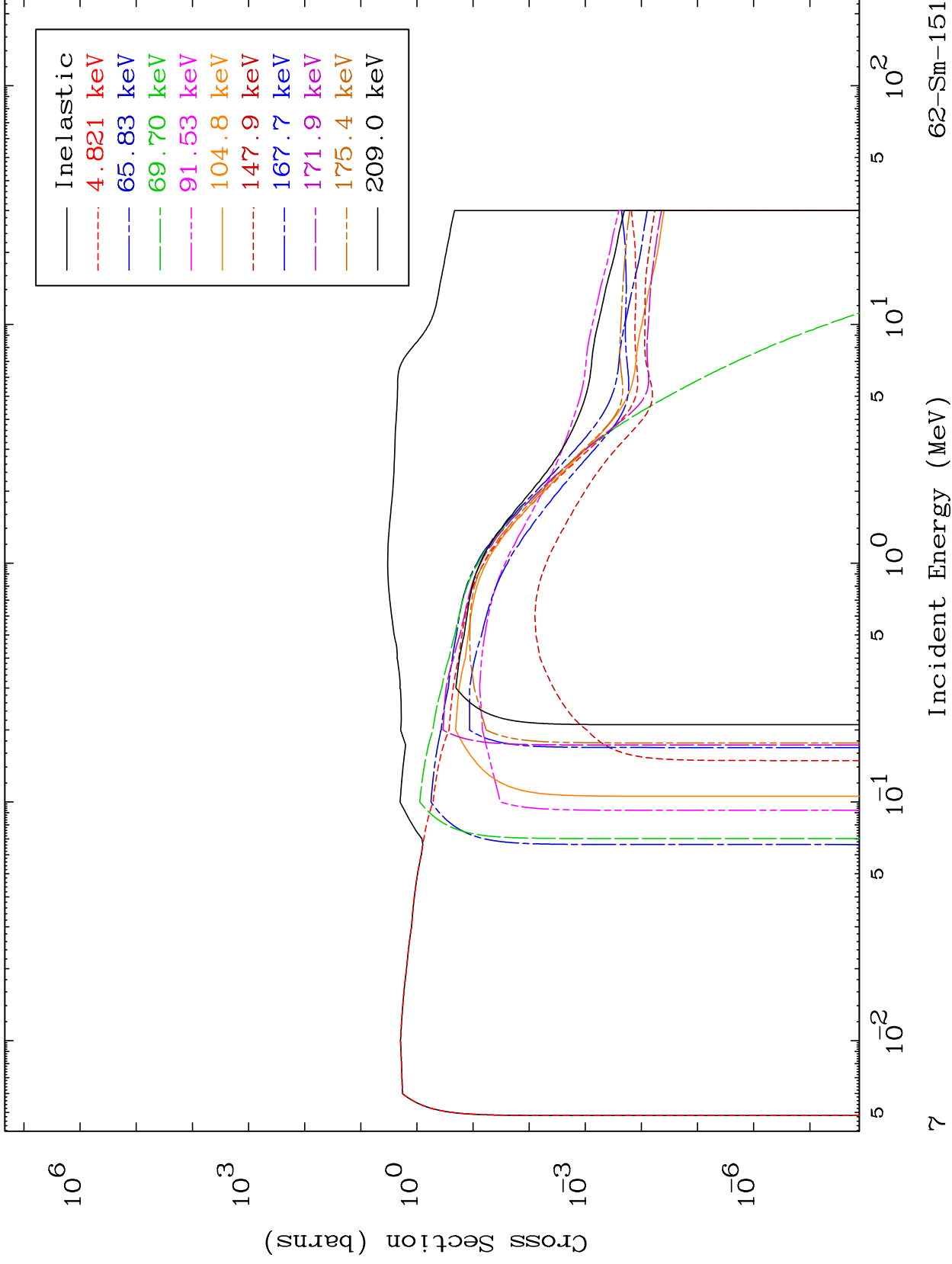
62-Sm-151



MAT 6246

(n,n') Level  
293 Kelvin Cross Sections

62-Sm-151

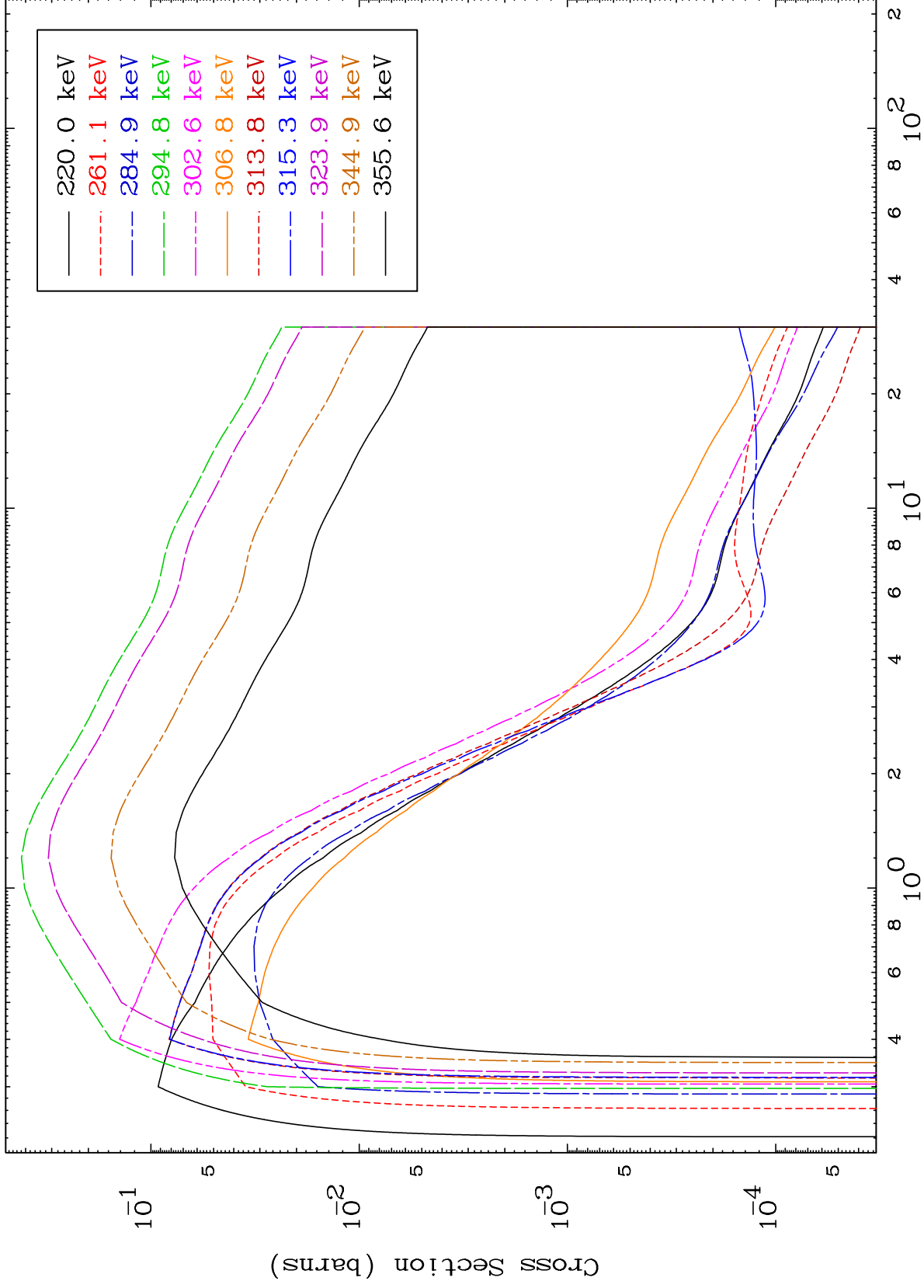




MAT 6246

(n,n') Level  
293 Kelvin Cross Sections

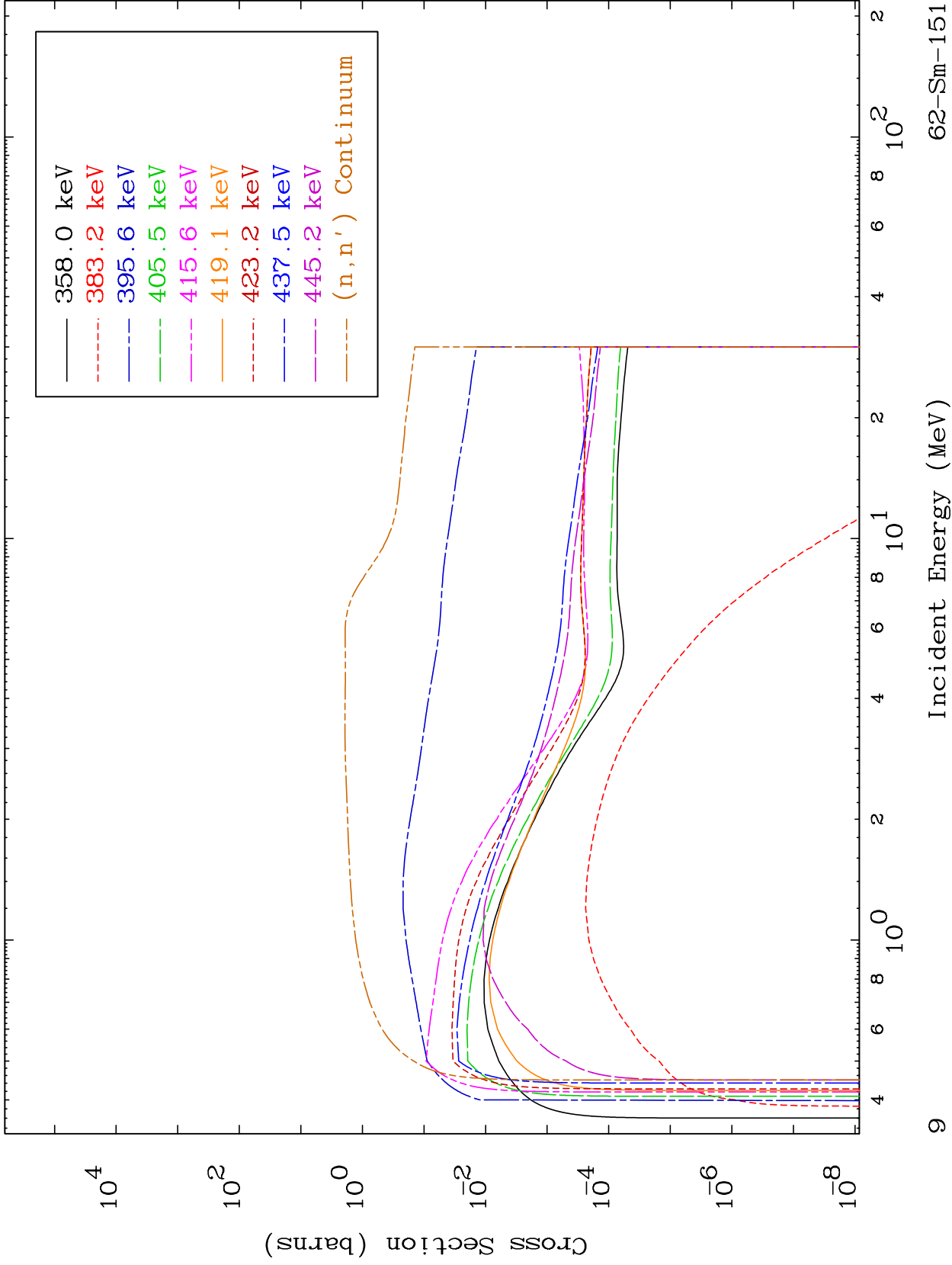
62-Sm-151



8

Incident Energy (MeV)

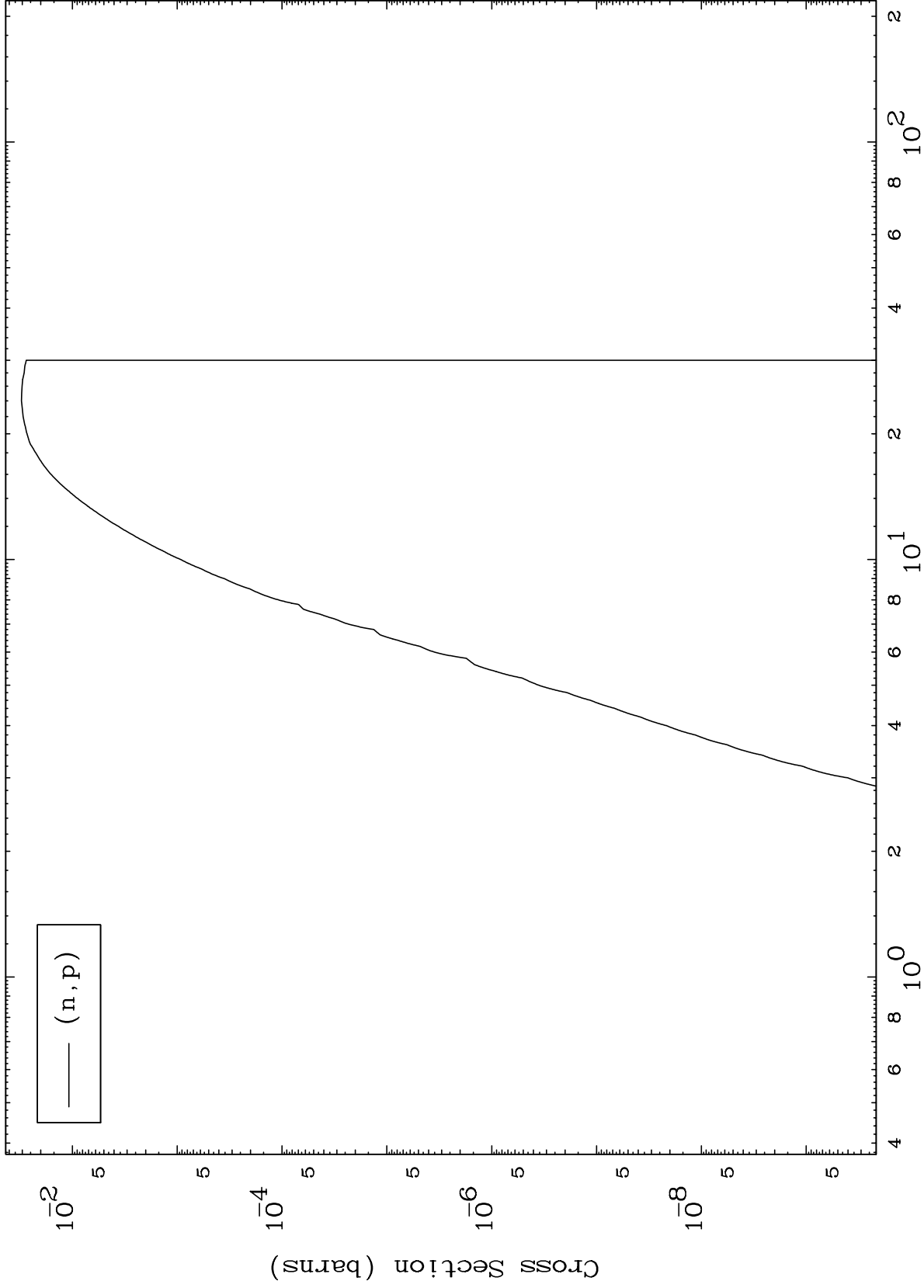
62-Sm-151



MAT 6246

(n,p) Levels  
293 Kelvin Cross Sections

62-Sm-151



10

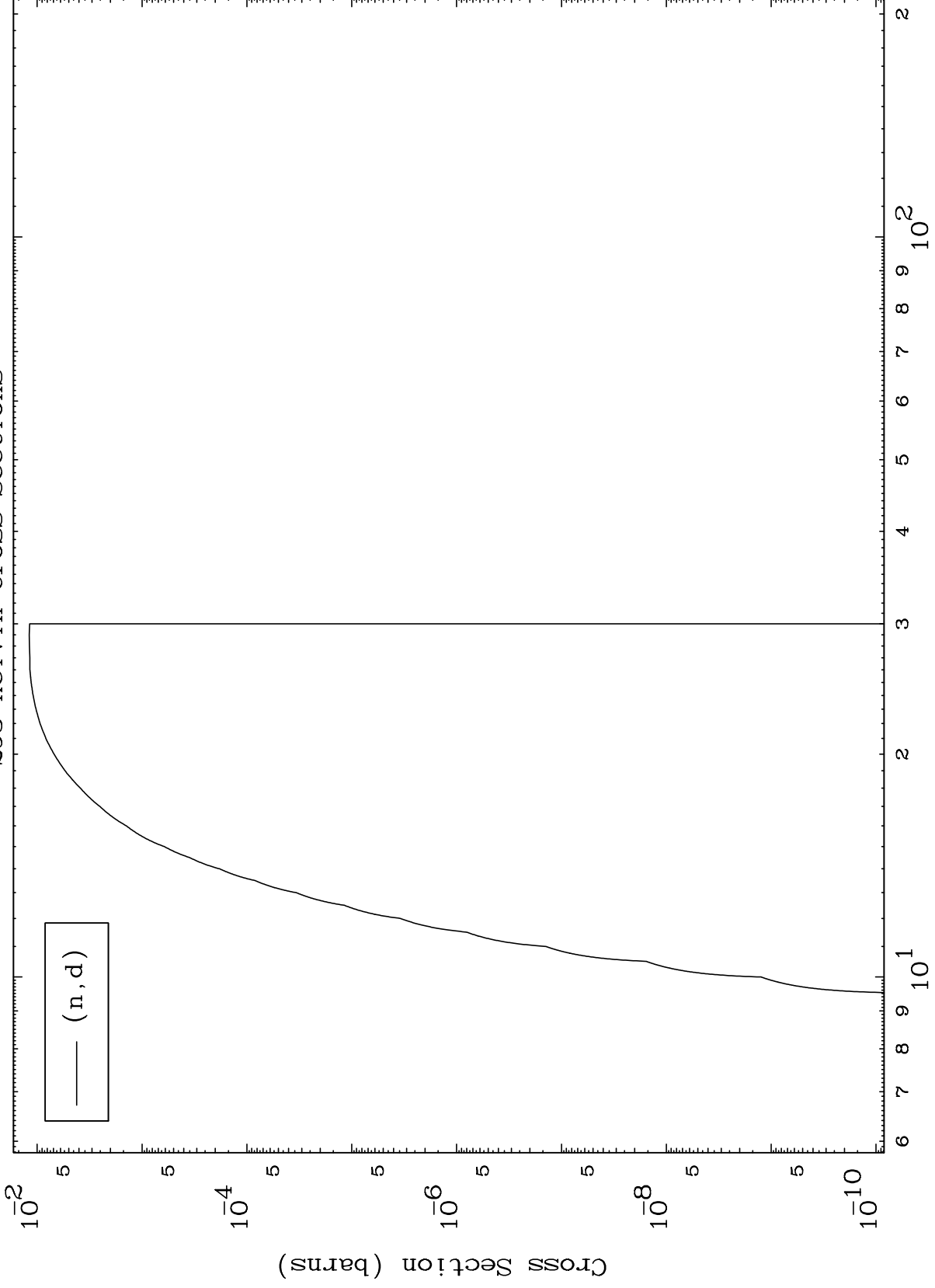
Incident Energy (MeV)

62-Sm-151

MAT 6246

(n,d) Levels  
293 Kelvin Cross Sections

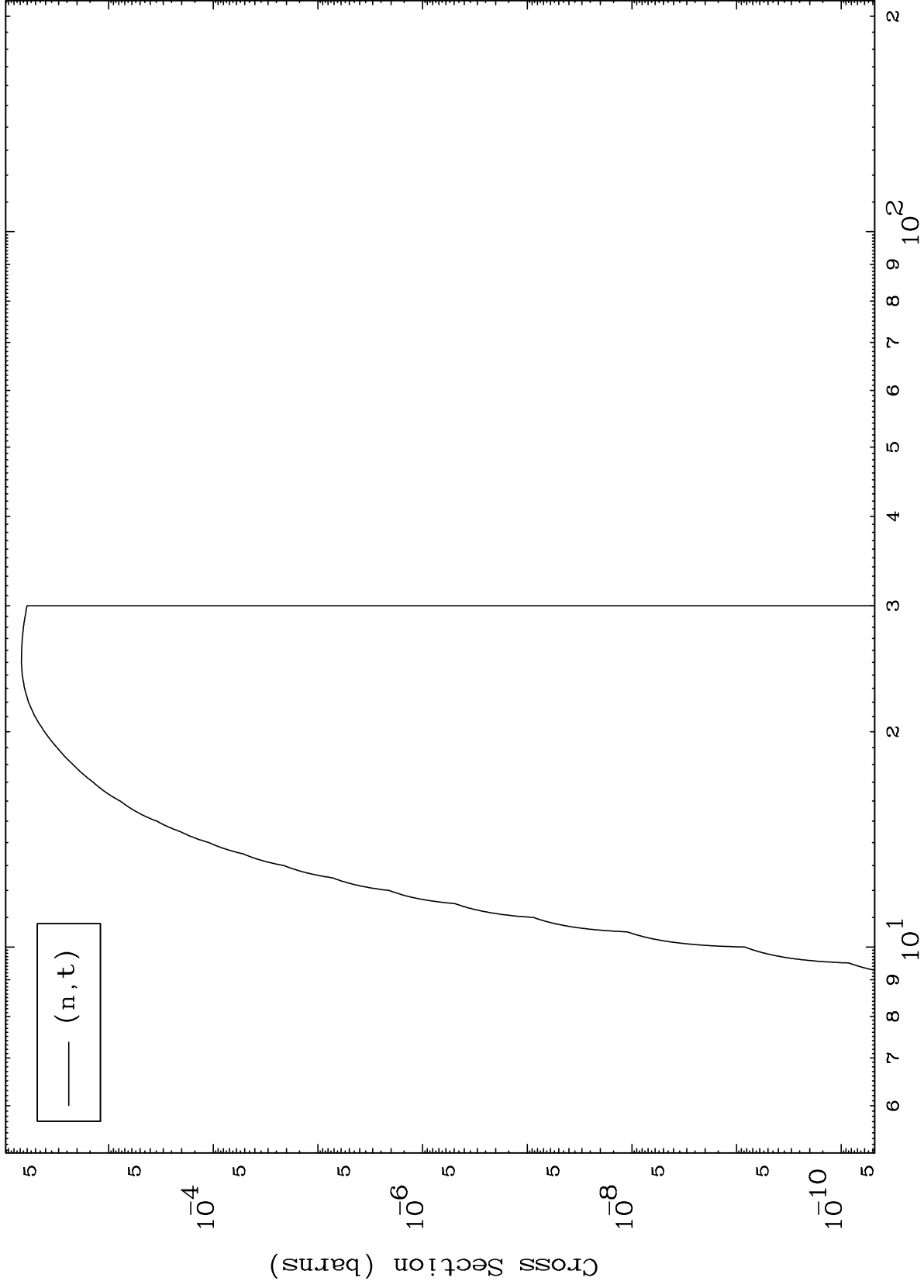
62-Sm-151



MAT 6246

(n,t) Levels  
293 Kelvin Cross Sections

62-Sm-151



12

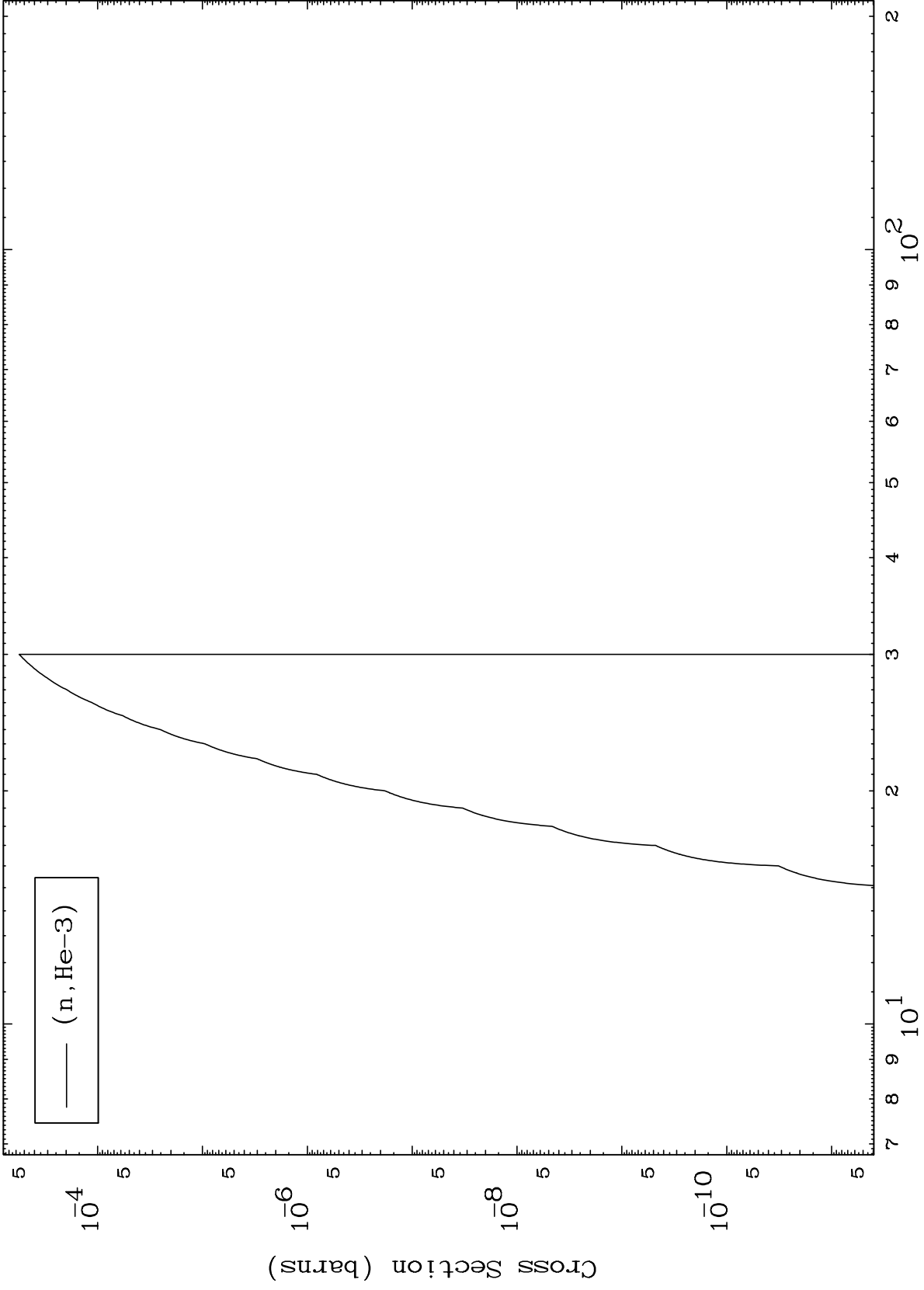
Incident Energy (MeV)

62-Sm-151

MAT 6246

(n,He3) Levels  
293 Kelvin Cross Sections

62-Sm-151



13

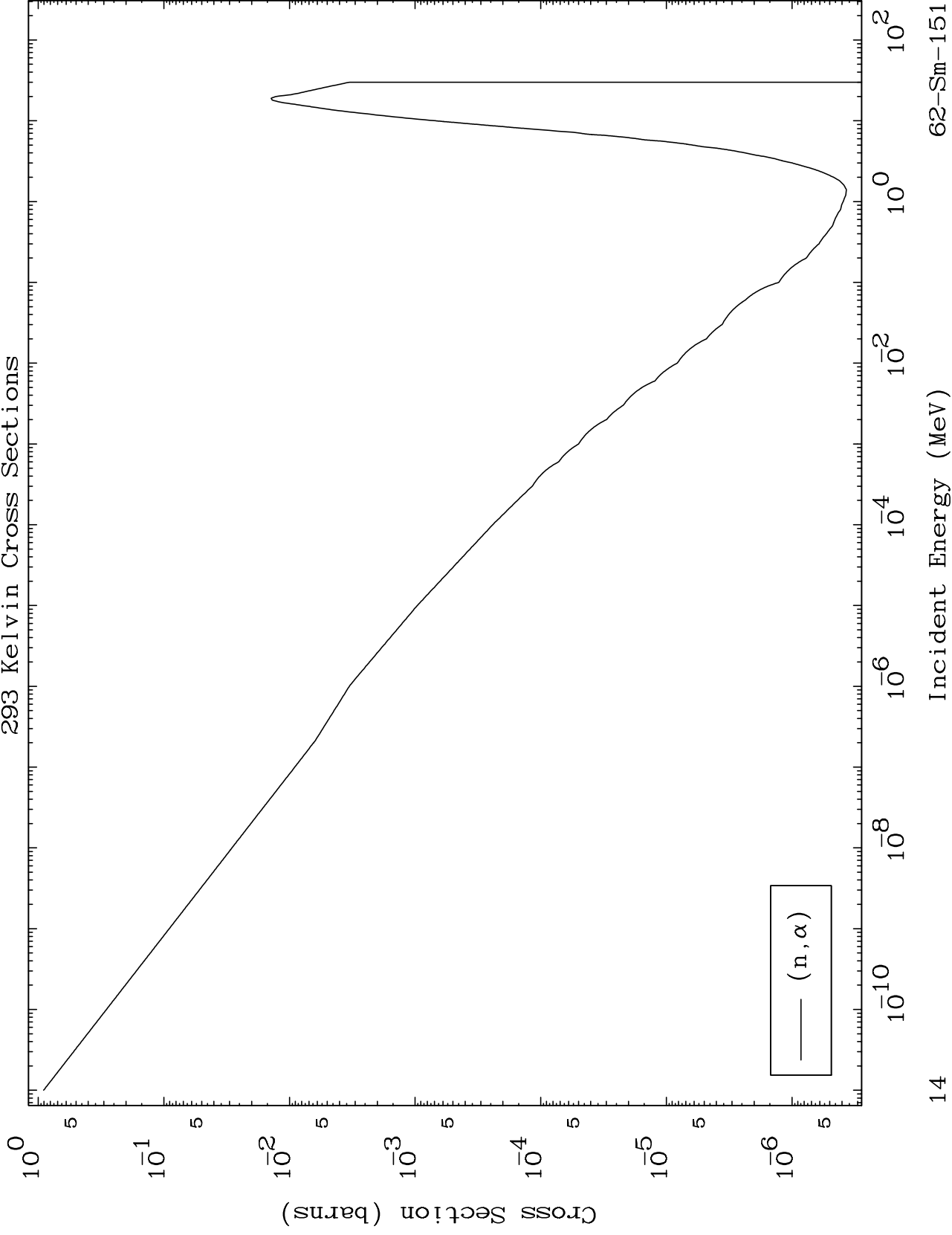
Incident Energy (MeV)

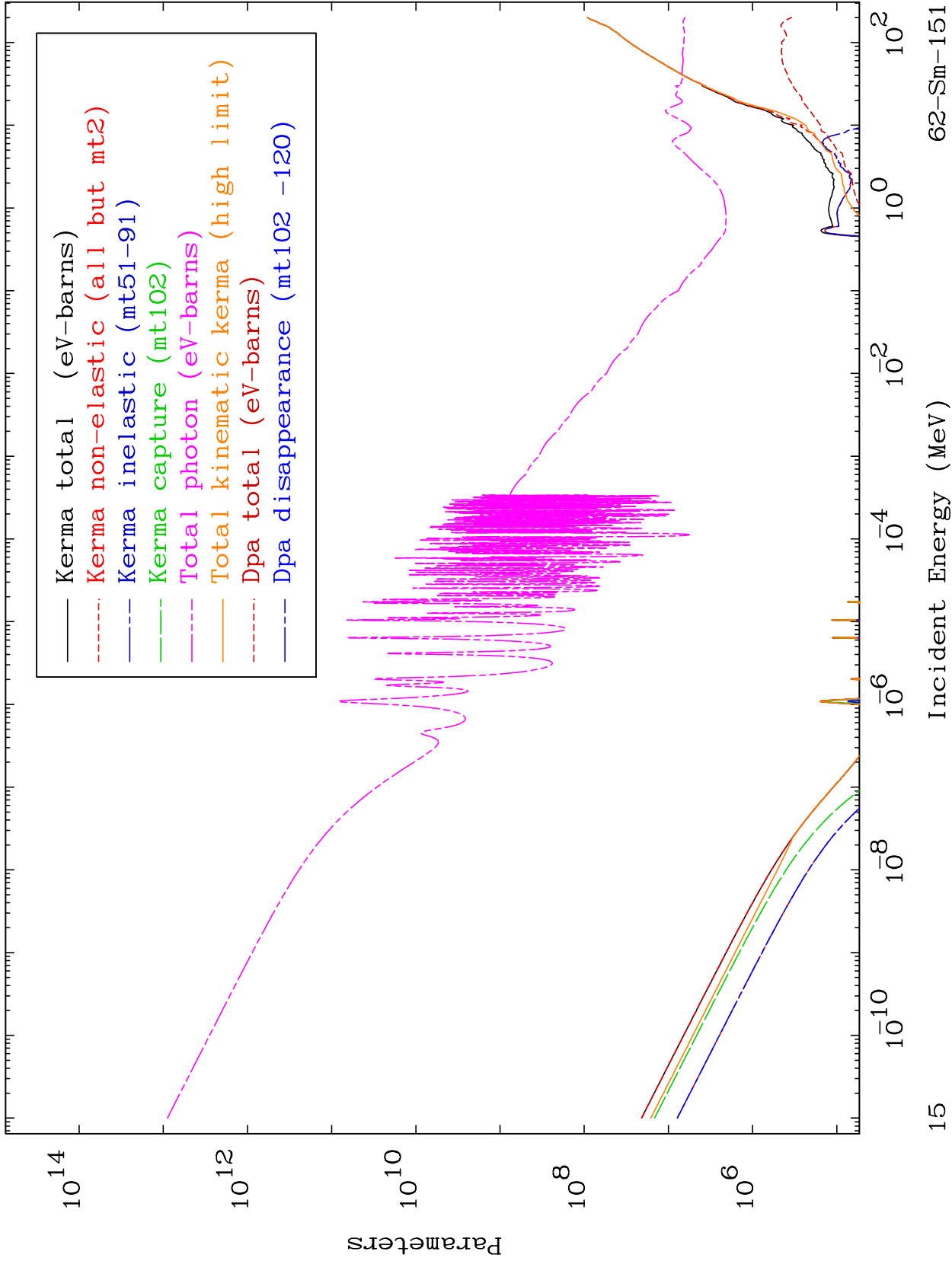
62-Sm-151

MAT 6246

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

62-Sm-151



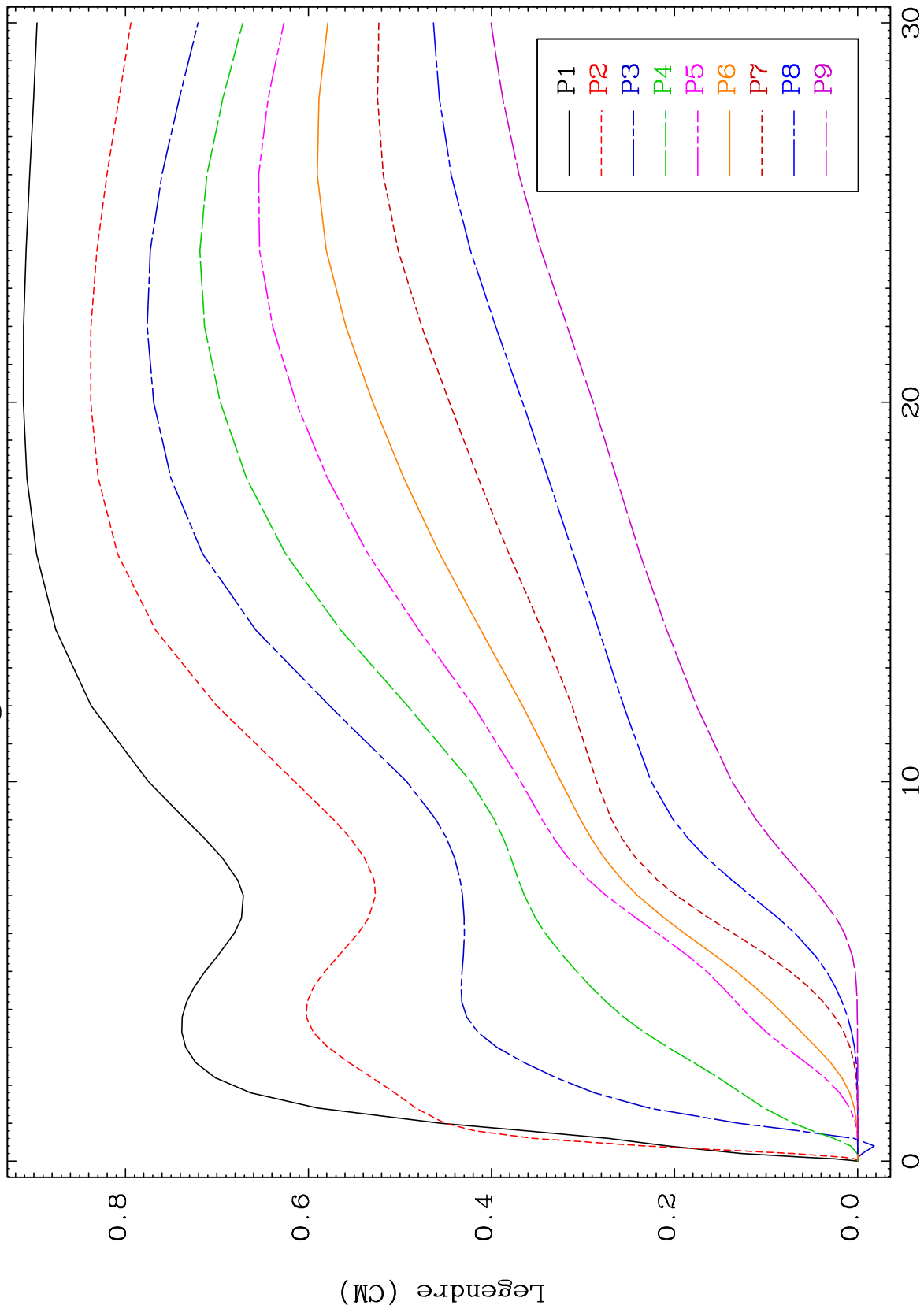




MAT 6246

Elastic Legendre Coefficients

62-Sm-151



16

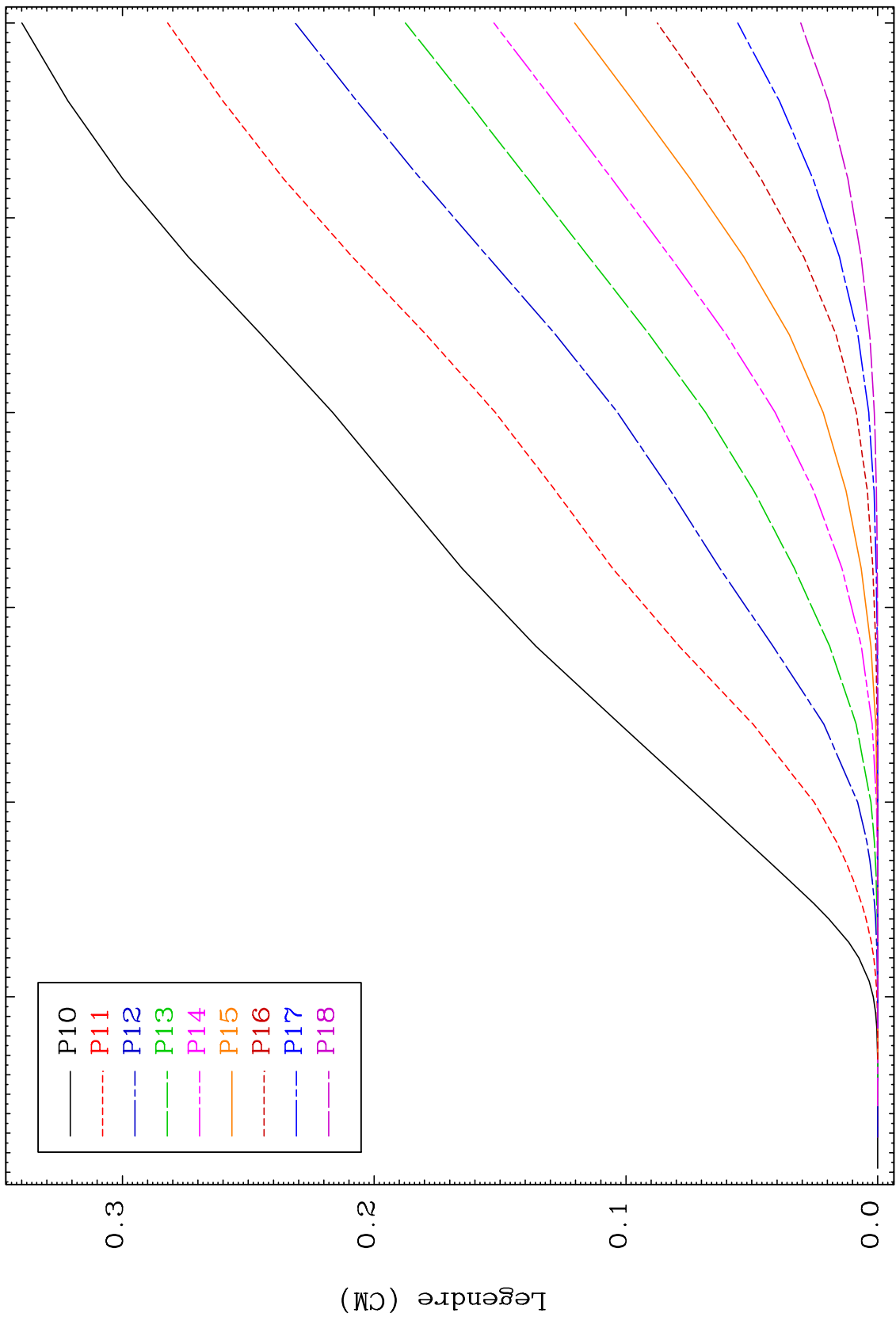
Incident Energy (MeV)

62-Sm-151

MAT 6246

Elastic Legendre Coefficients

62-Sm-151



17

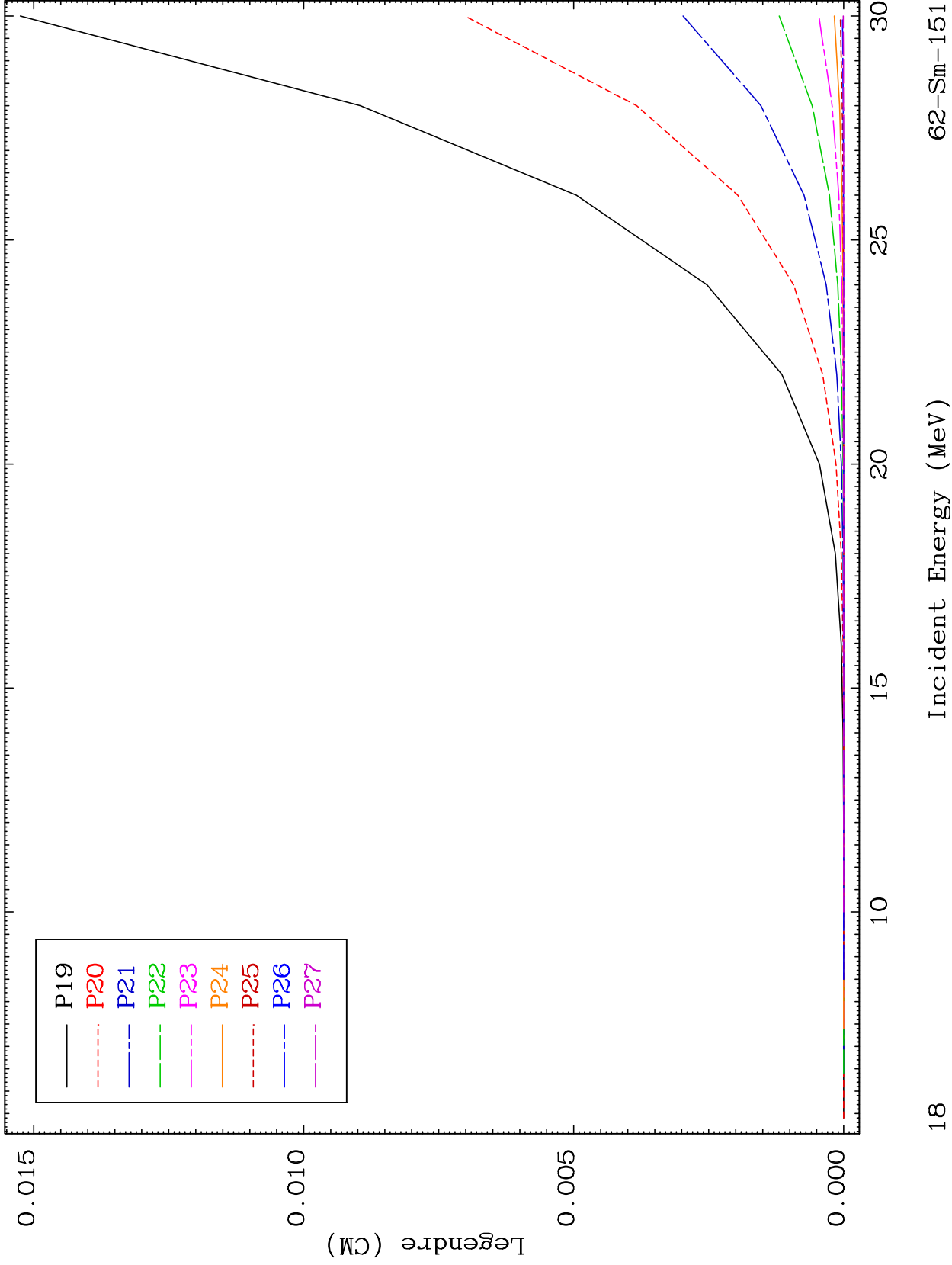
62-Sm-151

Incident Energy (MeV)

MAT 6246

Elastic  
Legendre Coefficients

62-Sm-151



18

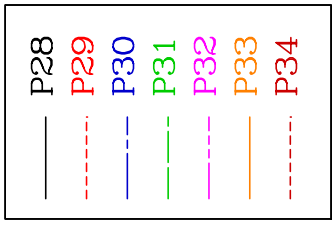
Incident Energy (MeV)

62-Sm-151

MAT 6246

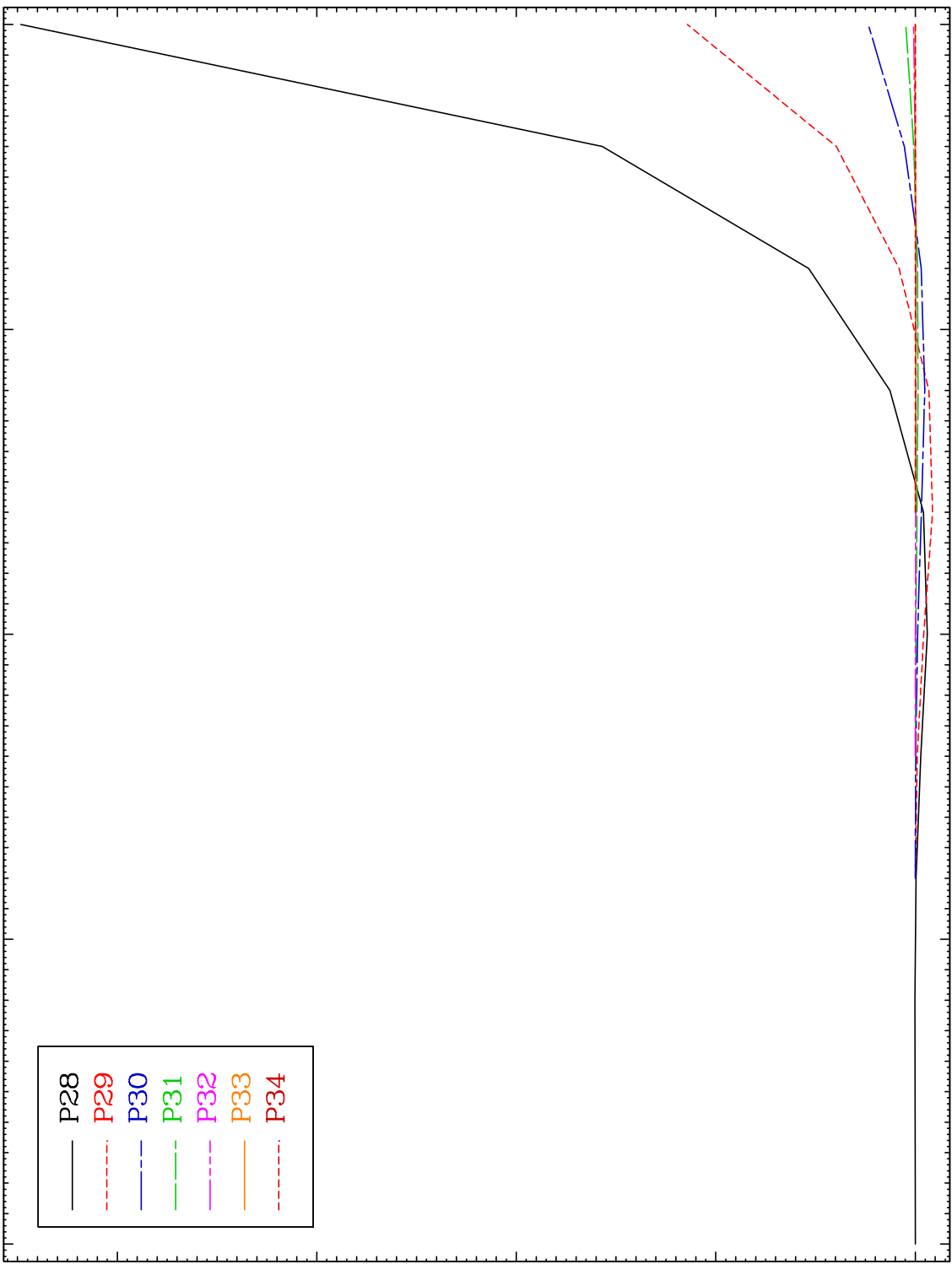
Elastic Legendre Coefficients

62-Sm-151



$\times 10^{-6}$

Legendre (CM)



30

25

20

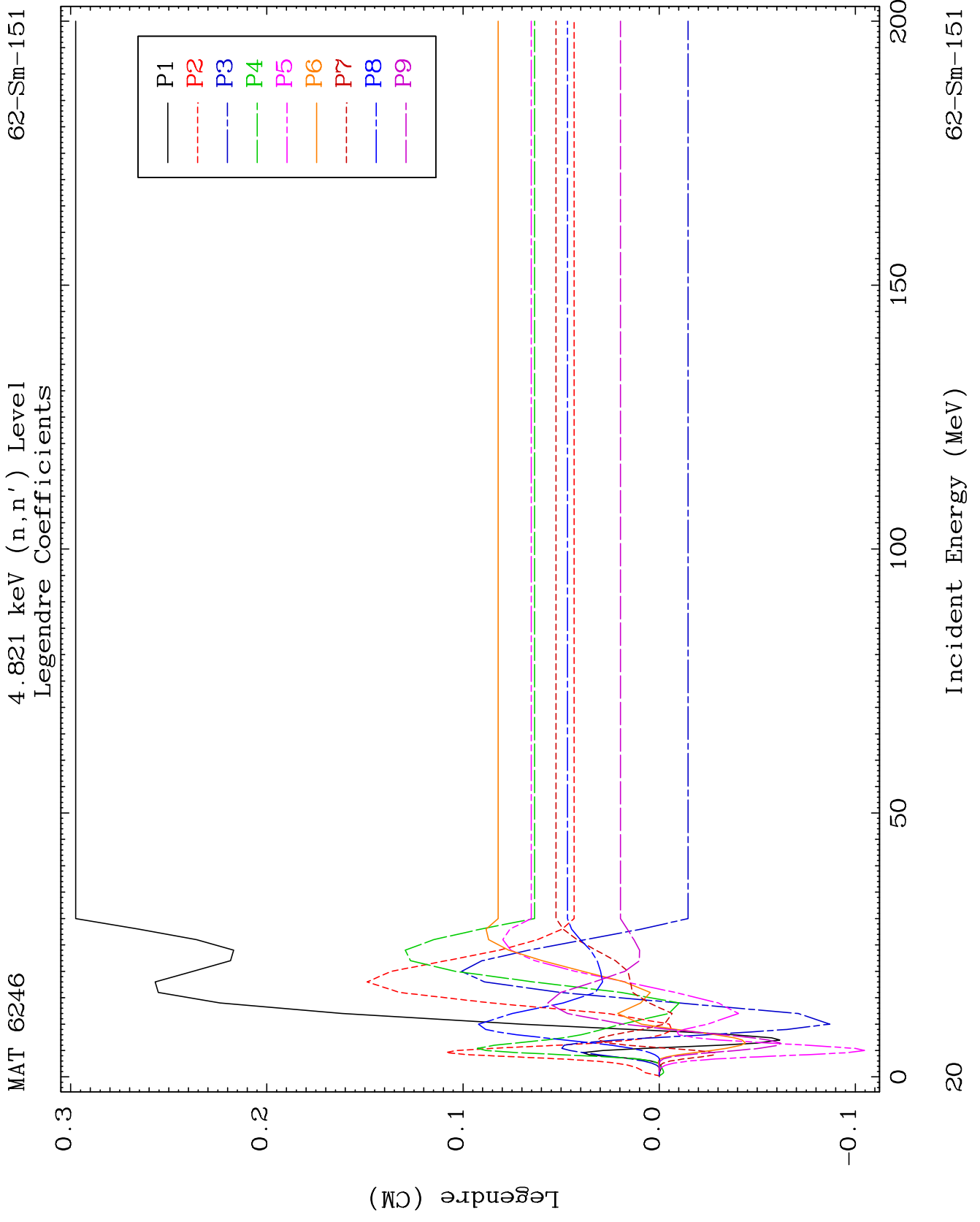
15

10

Incident Energy (MeV)

62-Sm-151

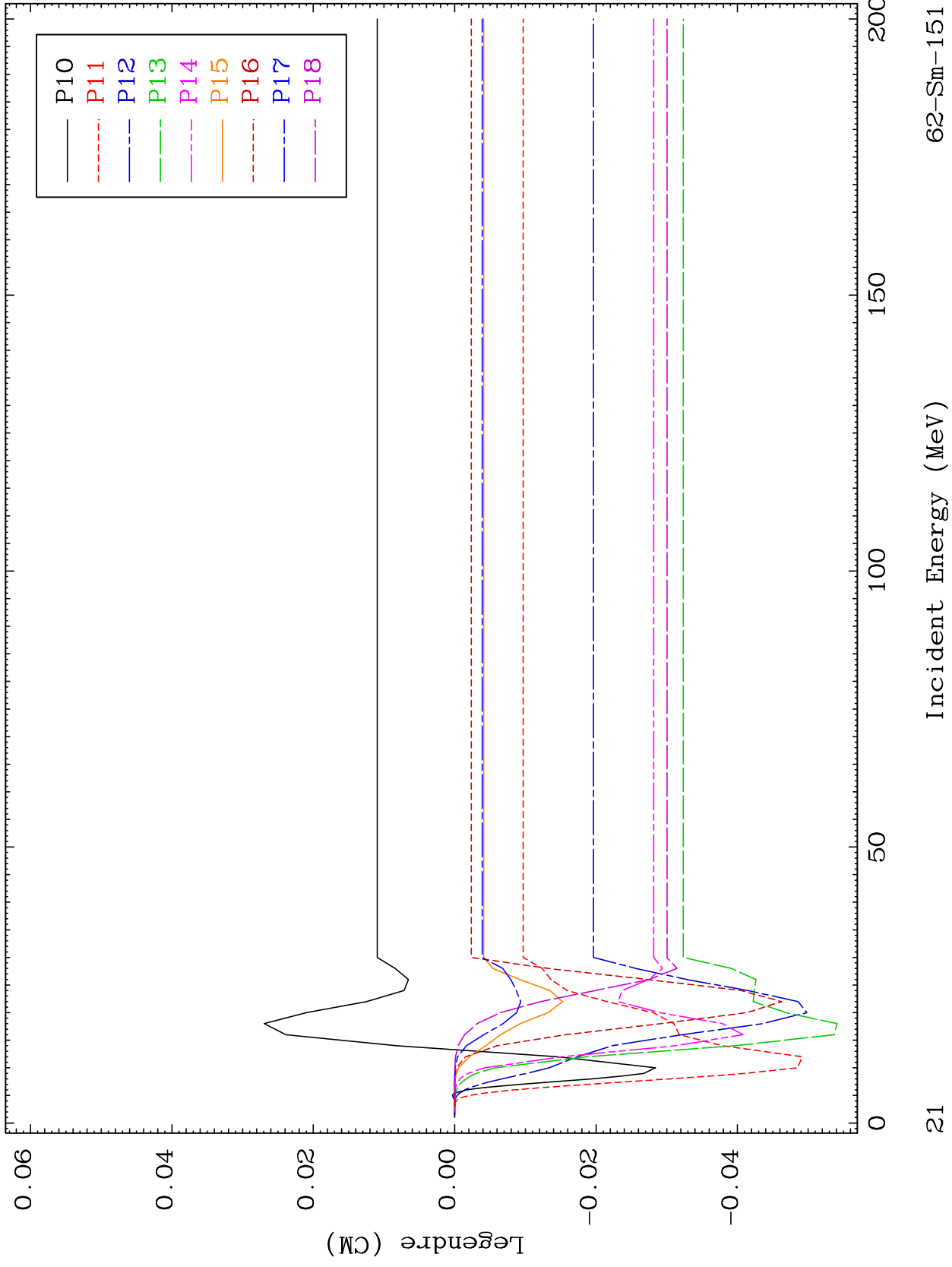
19



MAT 6246

4.821 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



21

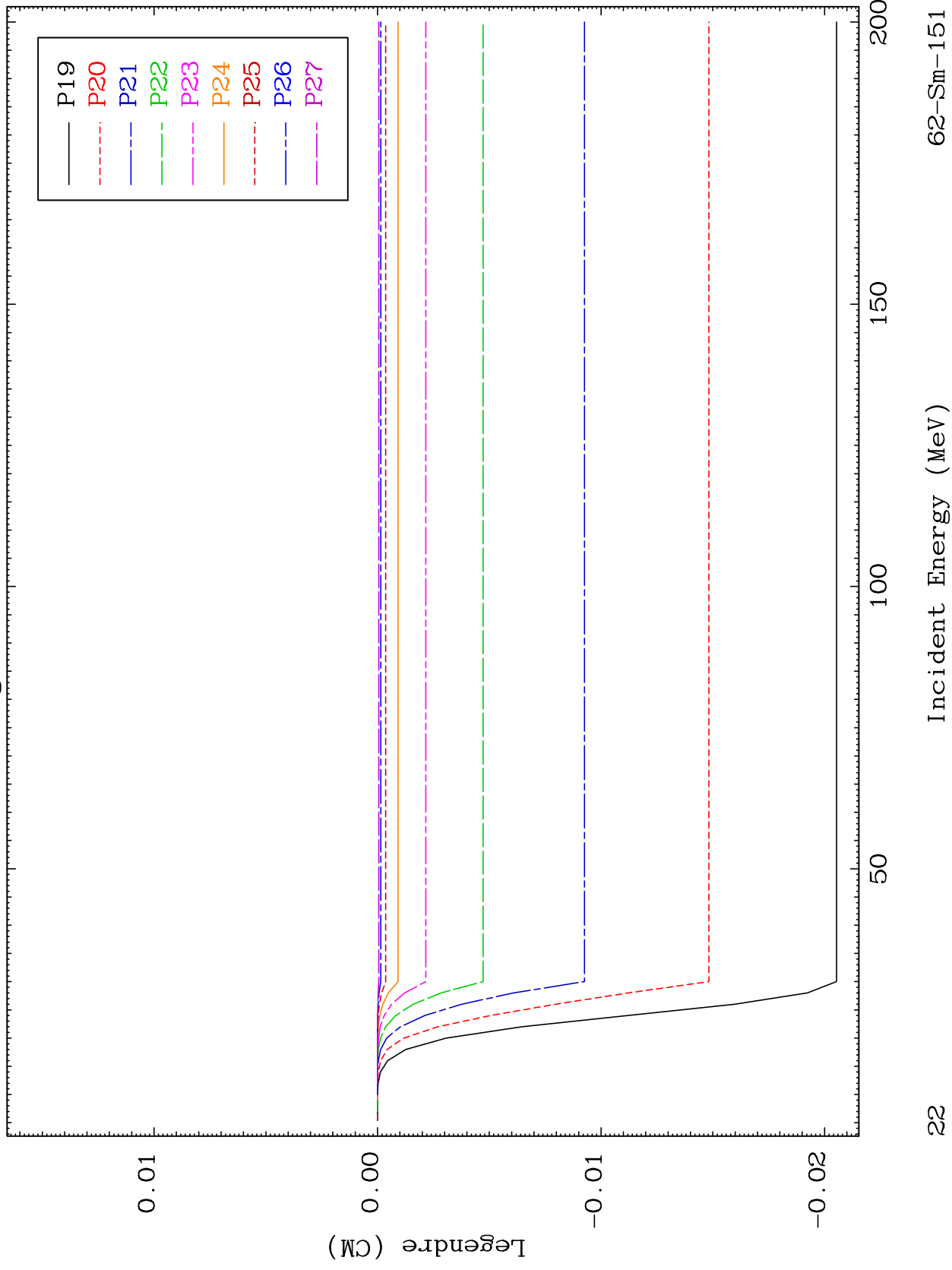
Incident Energy (MeV)

62-Sm-151

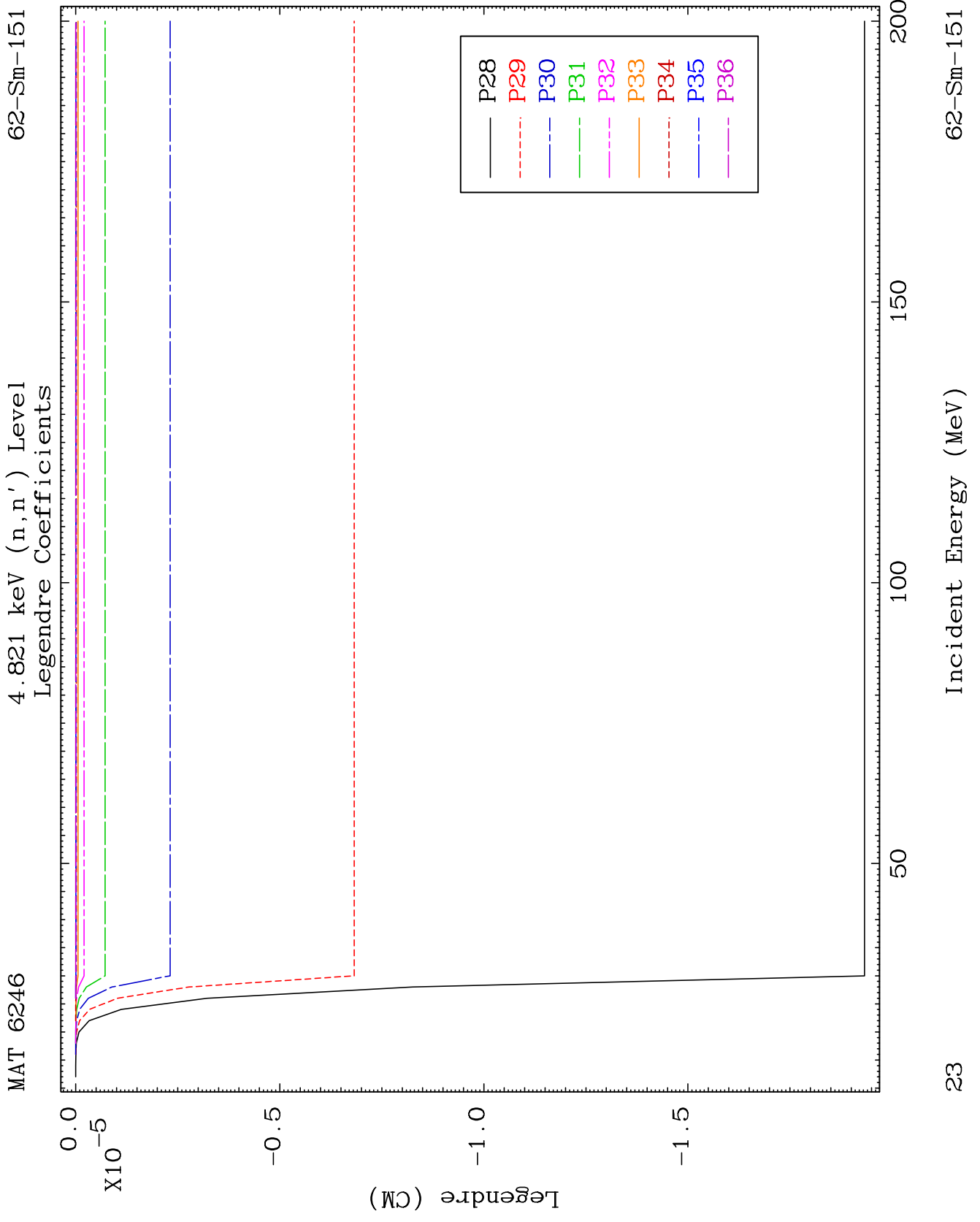
MAT 6246

4.821 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



22

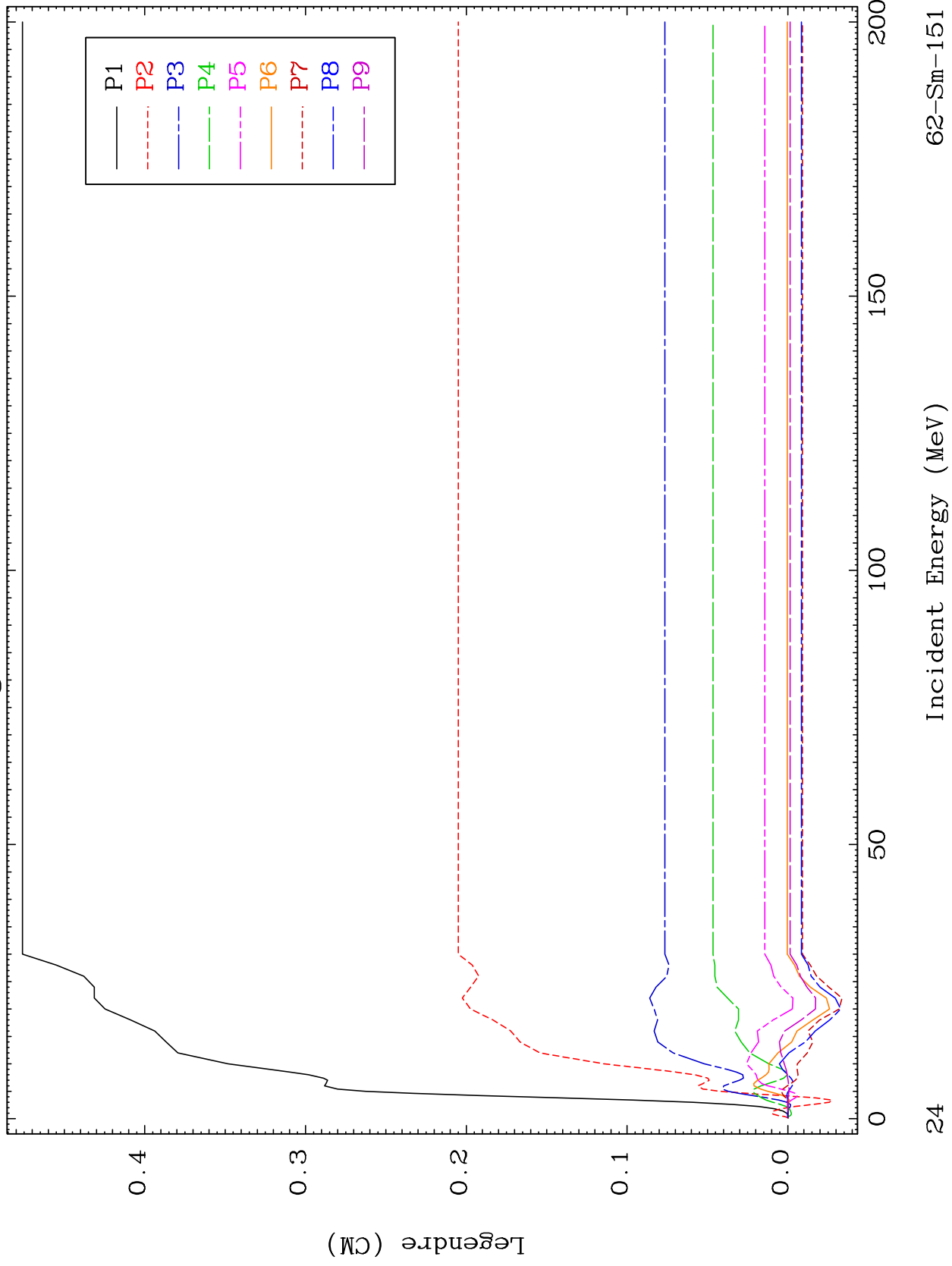




MAT 6246

65.83 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

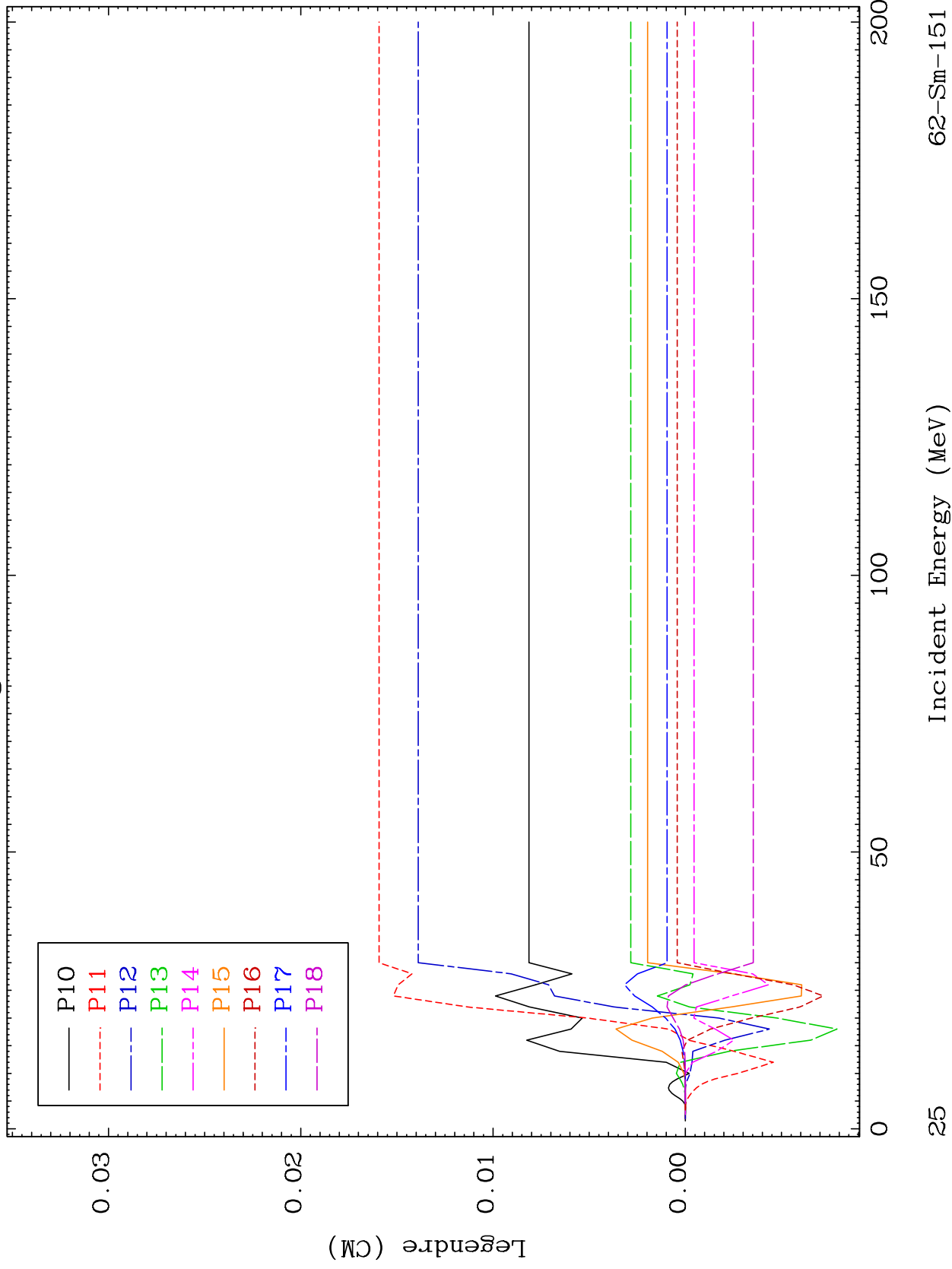
Incident Energy (MeV)

24

MAT 6246

65.83 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

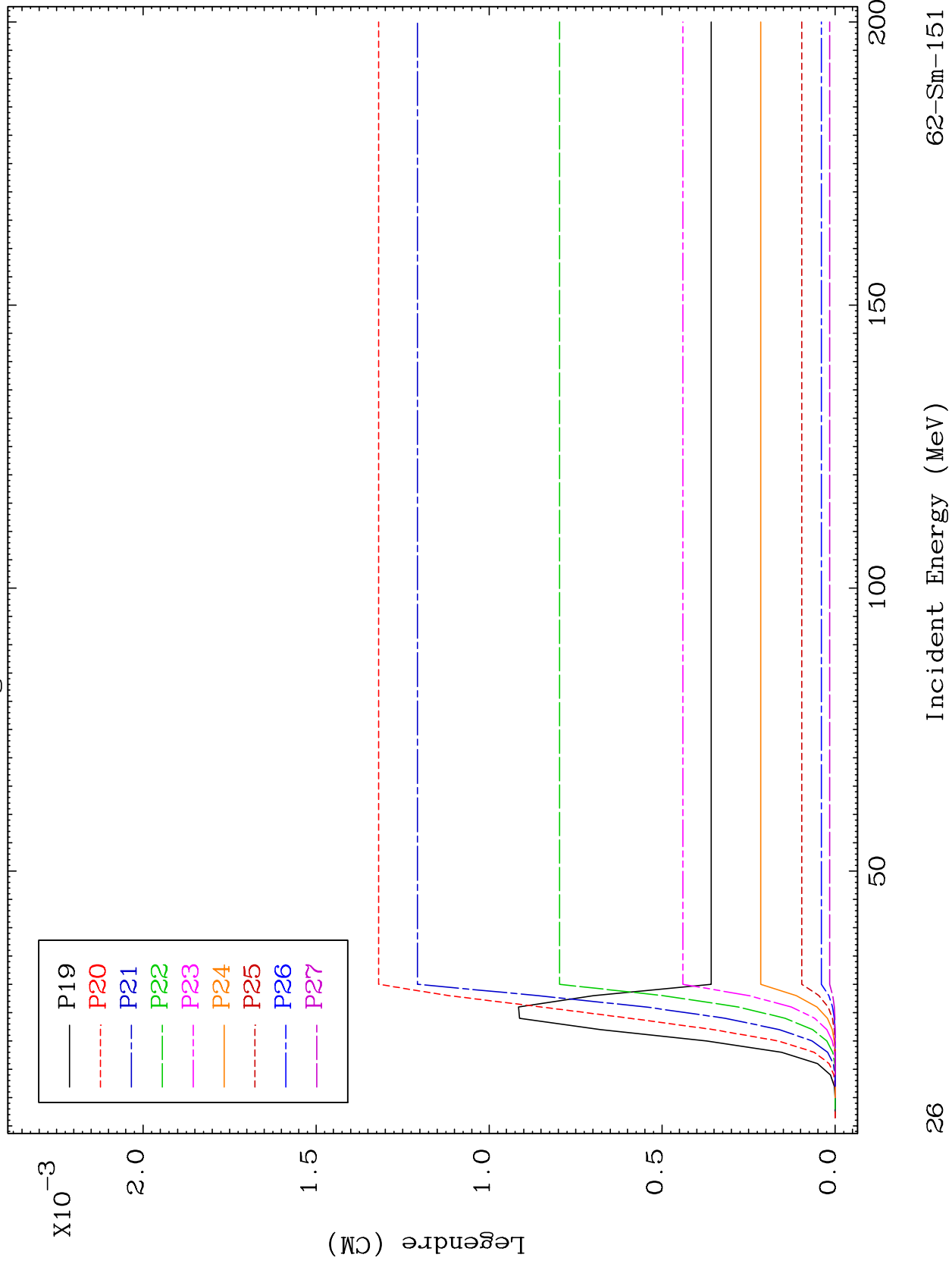
Incident Energy (MeV)

25

MAT 6246

65.83 keV (n,n') Level  
Legendre Coefficients

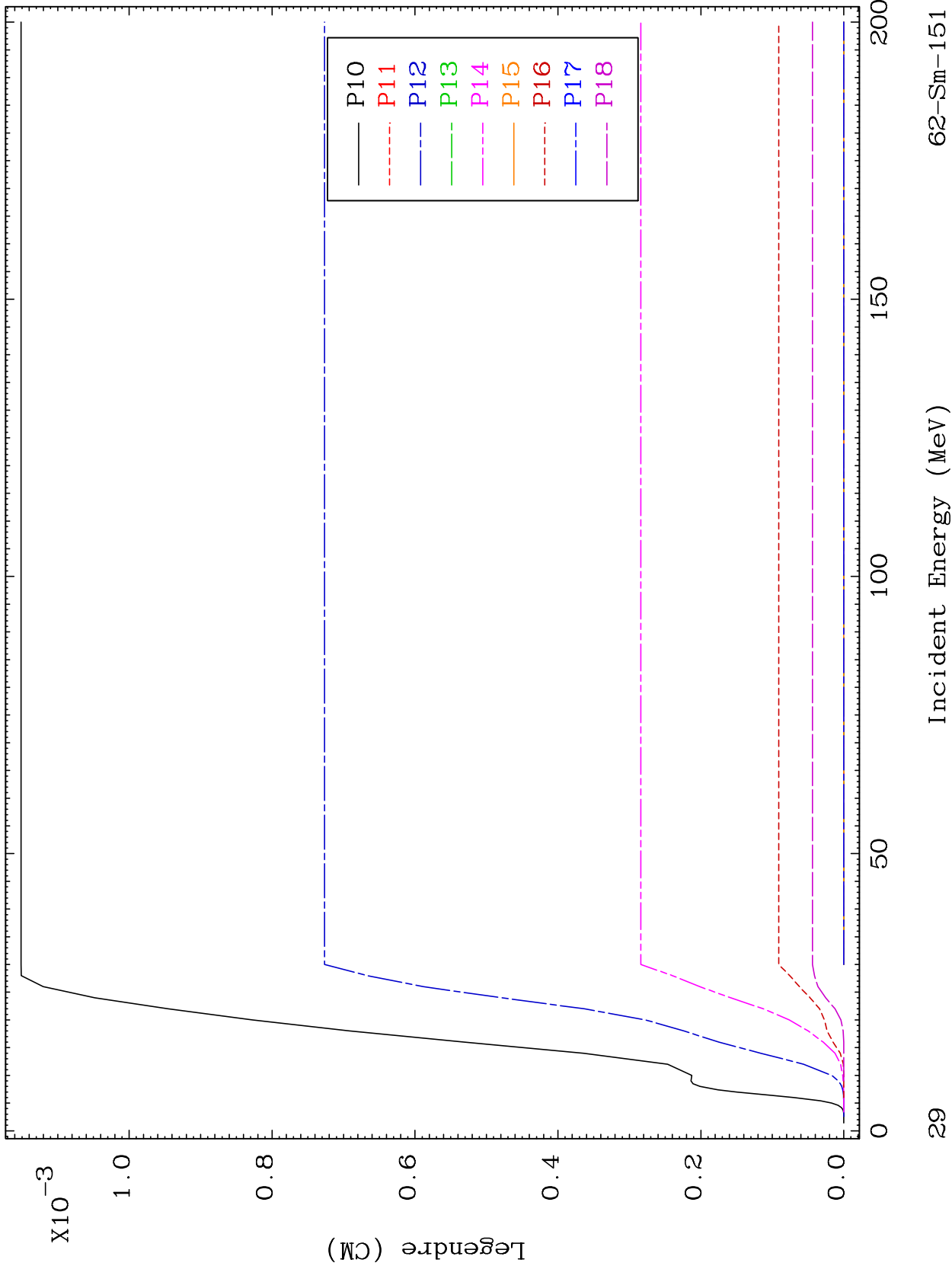
62-Sm-151

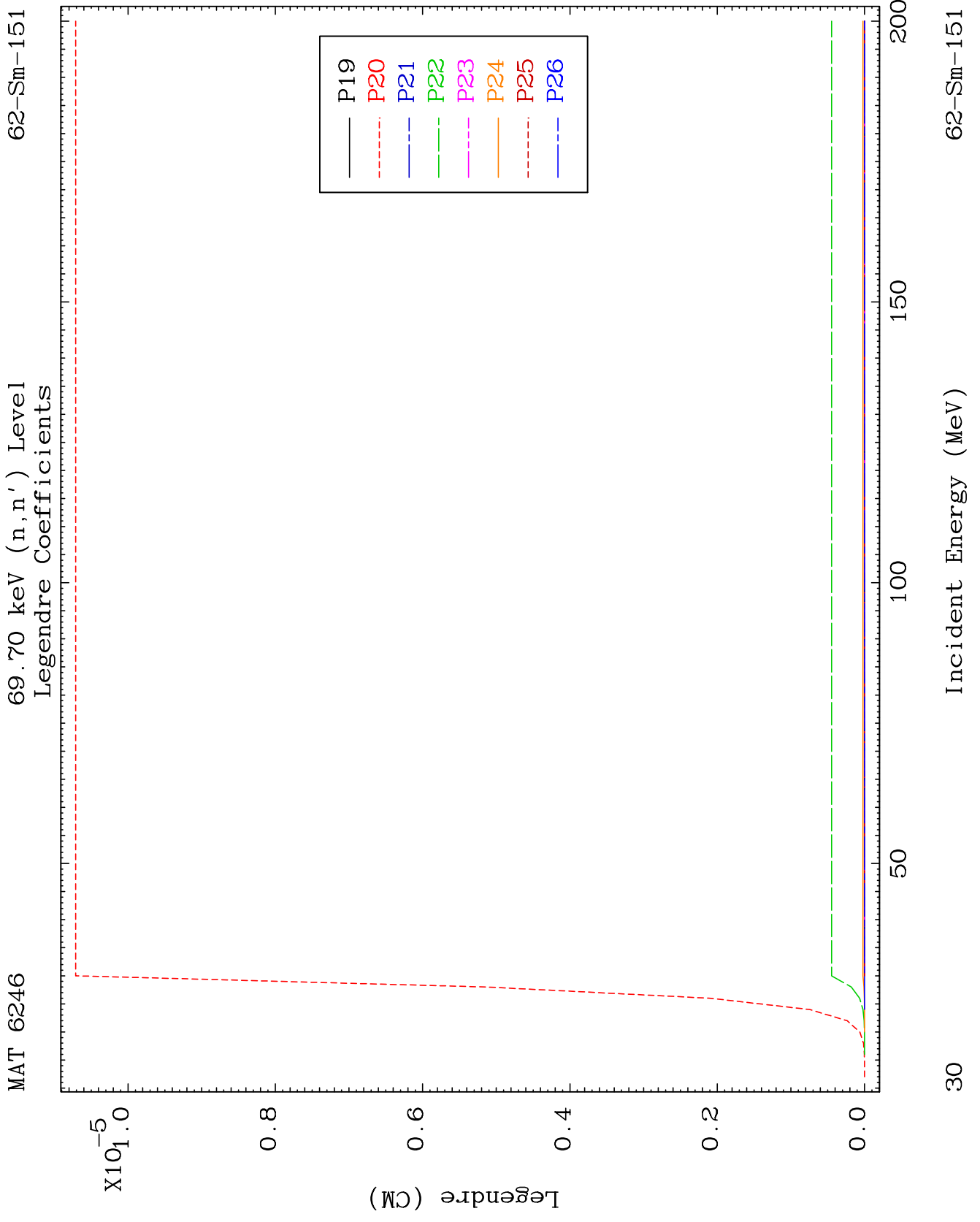


26





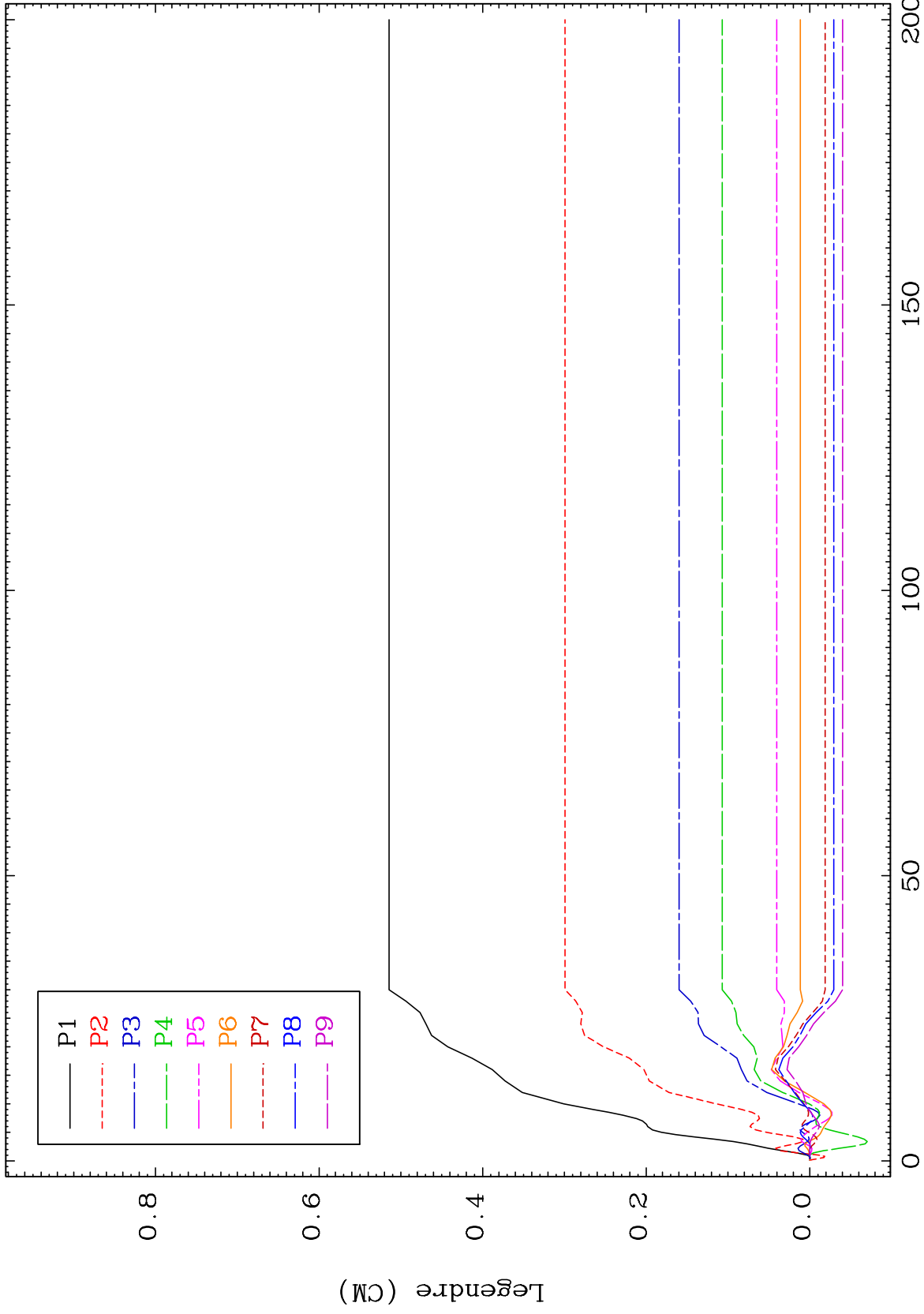




MAT 6246

91.53 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



31

Incident Energy (MeV)

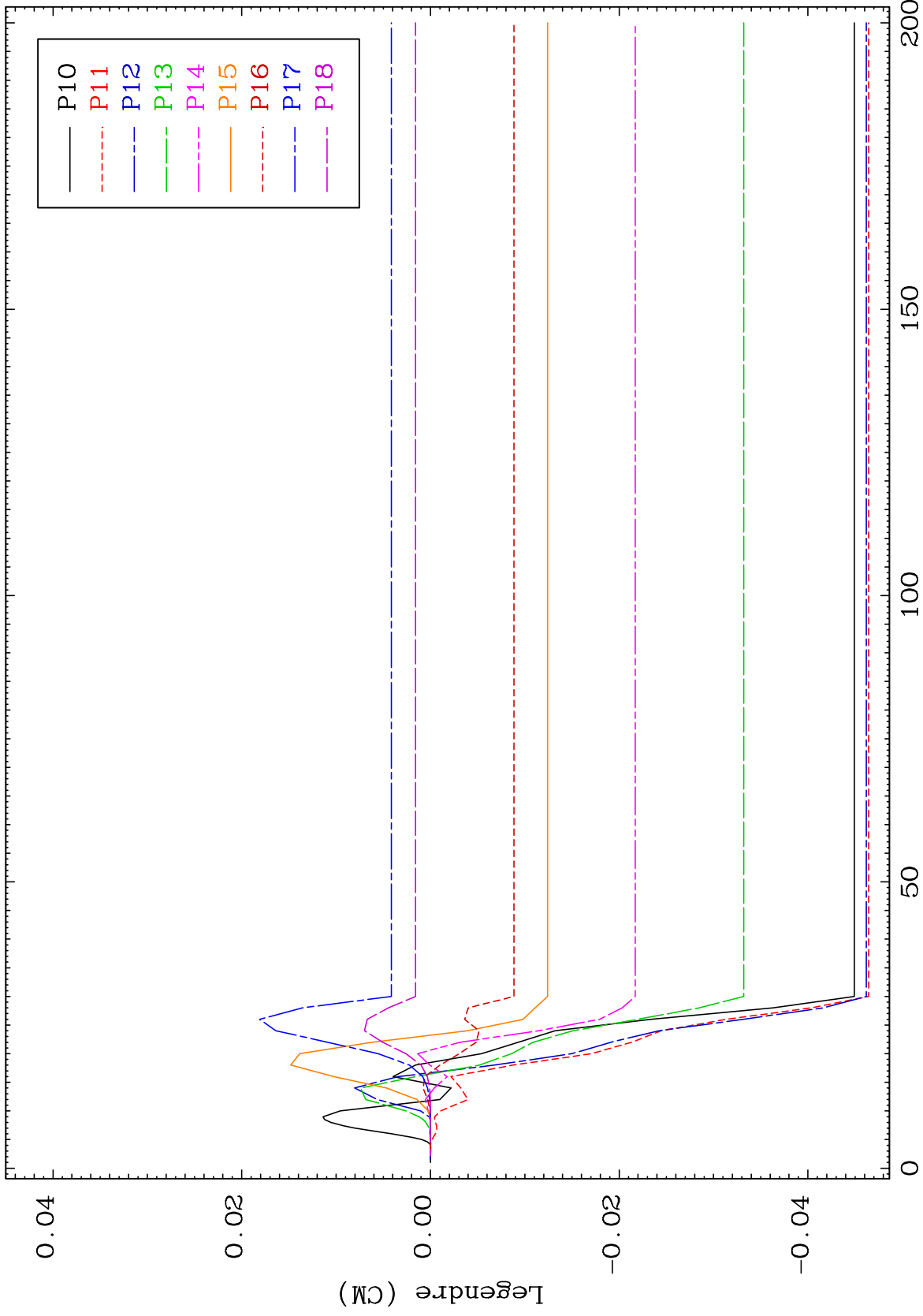
62-Sm-151



MAT 6246

91.53 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



32

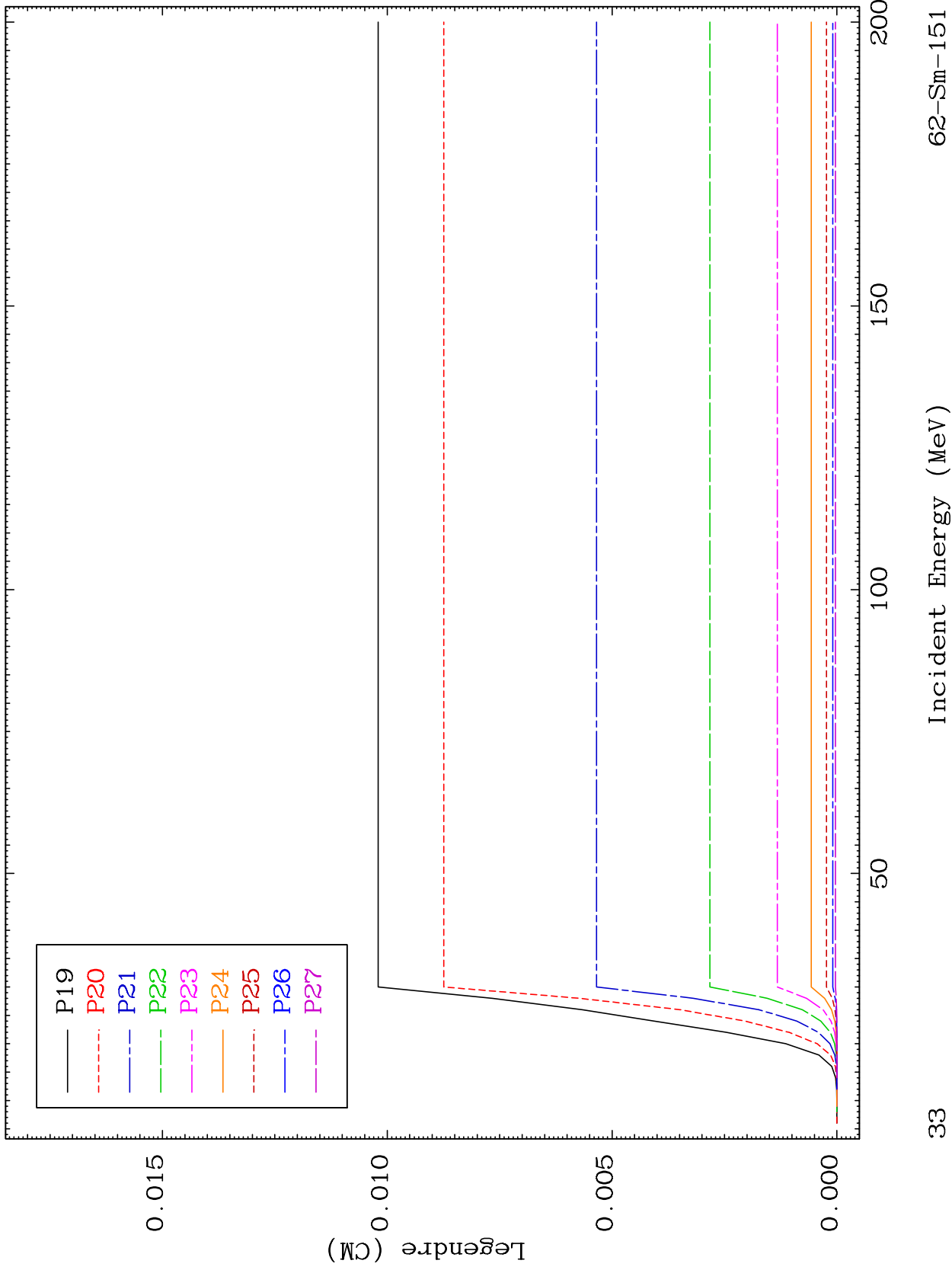
Incident Energy (MeV)

62-Sm-151

MAT 6246

91.53 keV (n,n') Level  
Legendre Coefficients

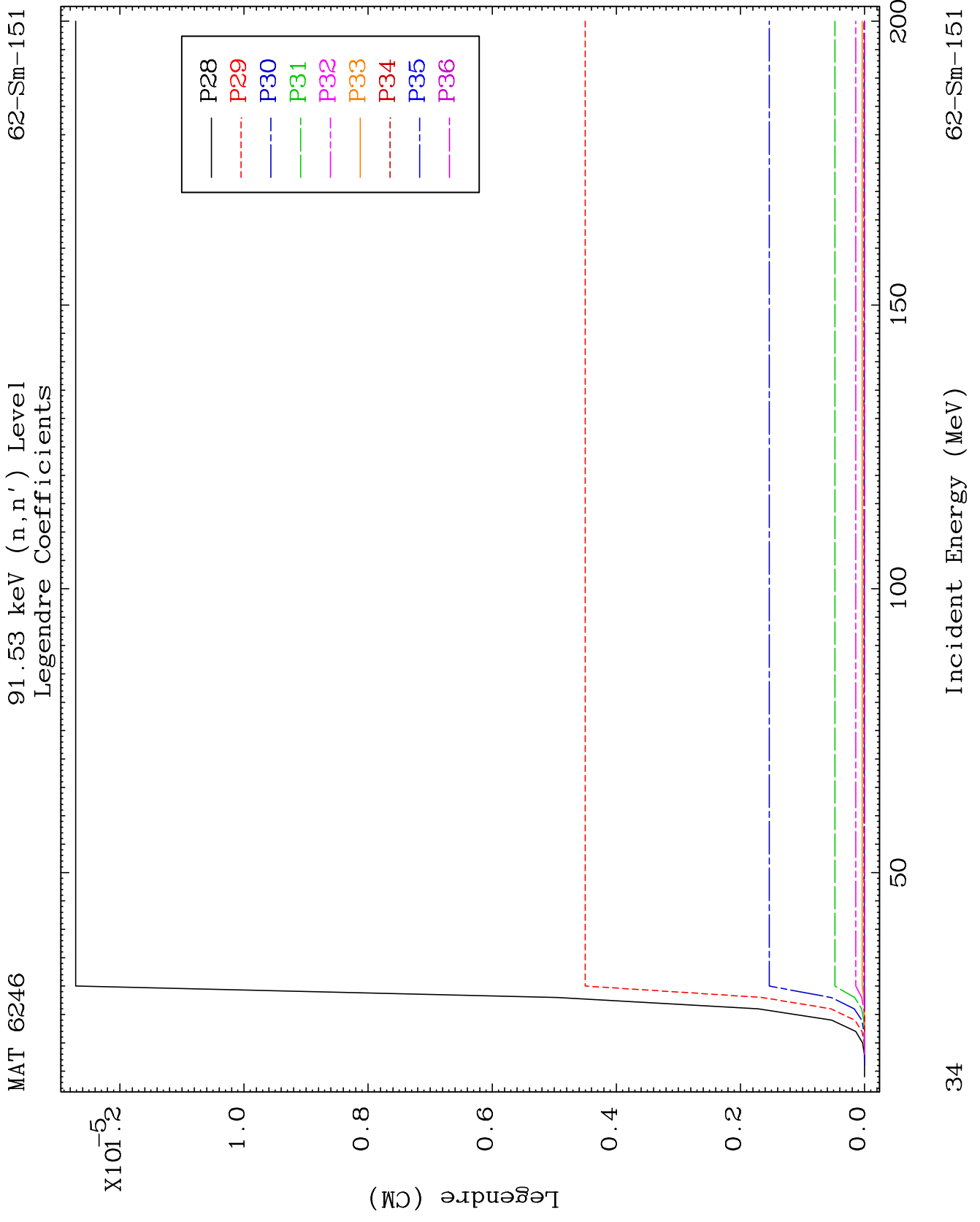
62-Sm-151



33

Incident Energy (MeV)

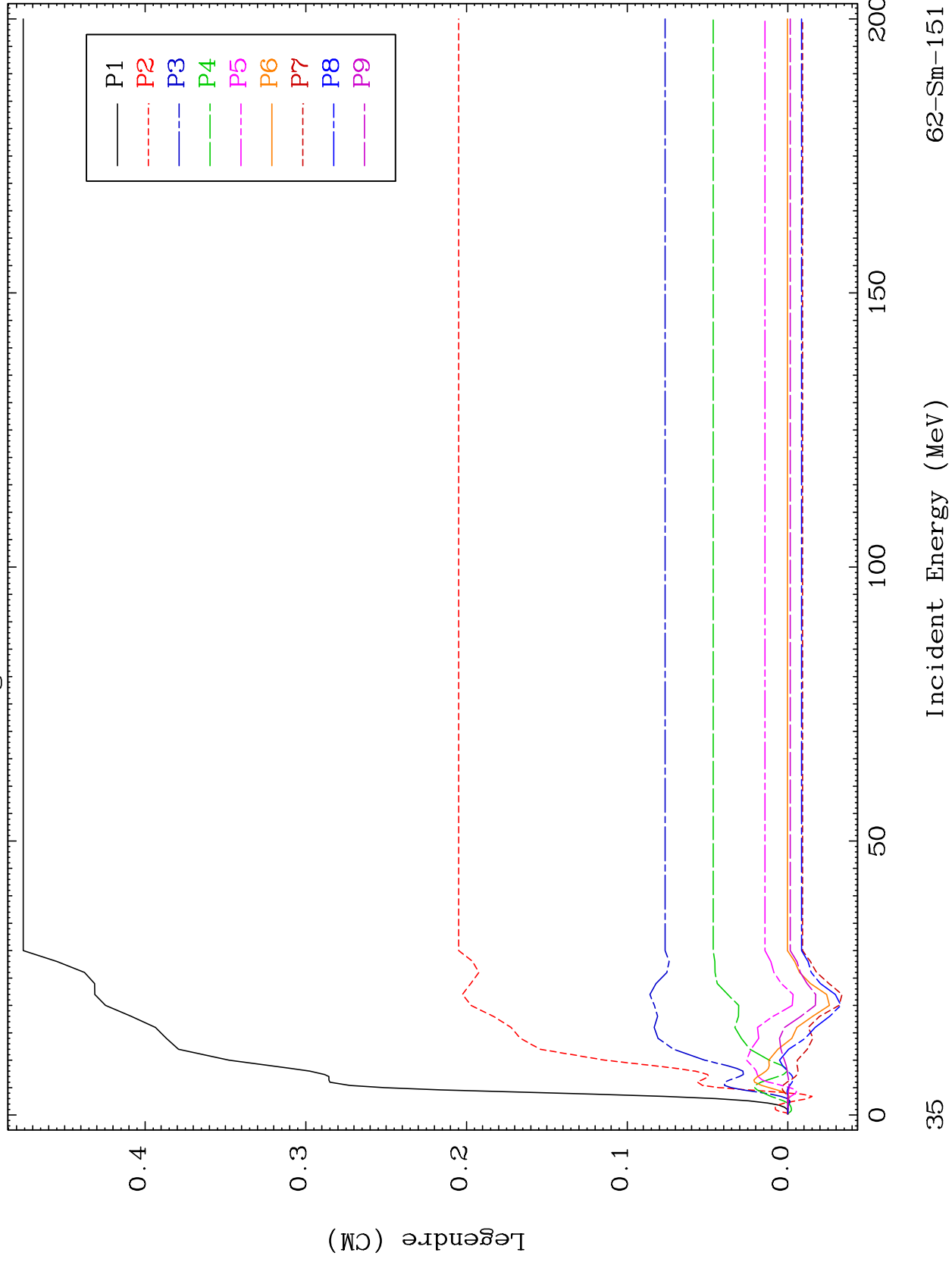
62-Sm-151



MAT 6246

104.8 keV (n,n') Level  
Legendre Coefficients

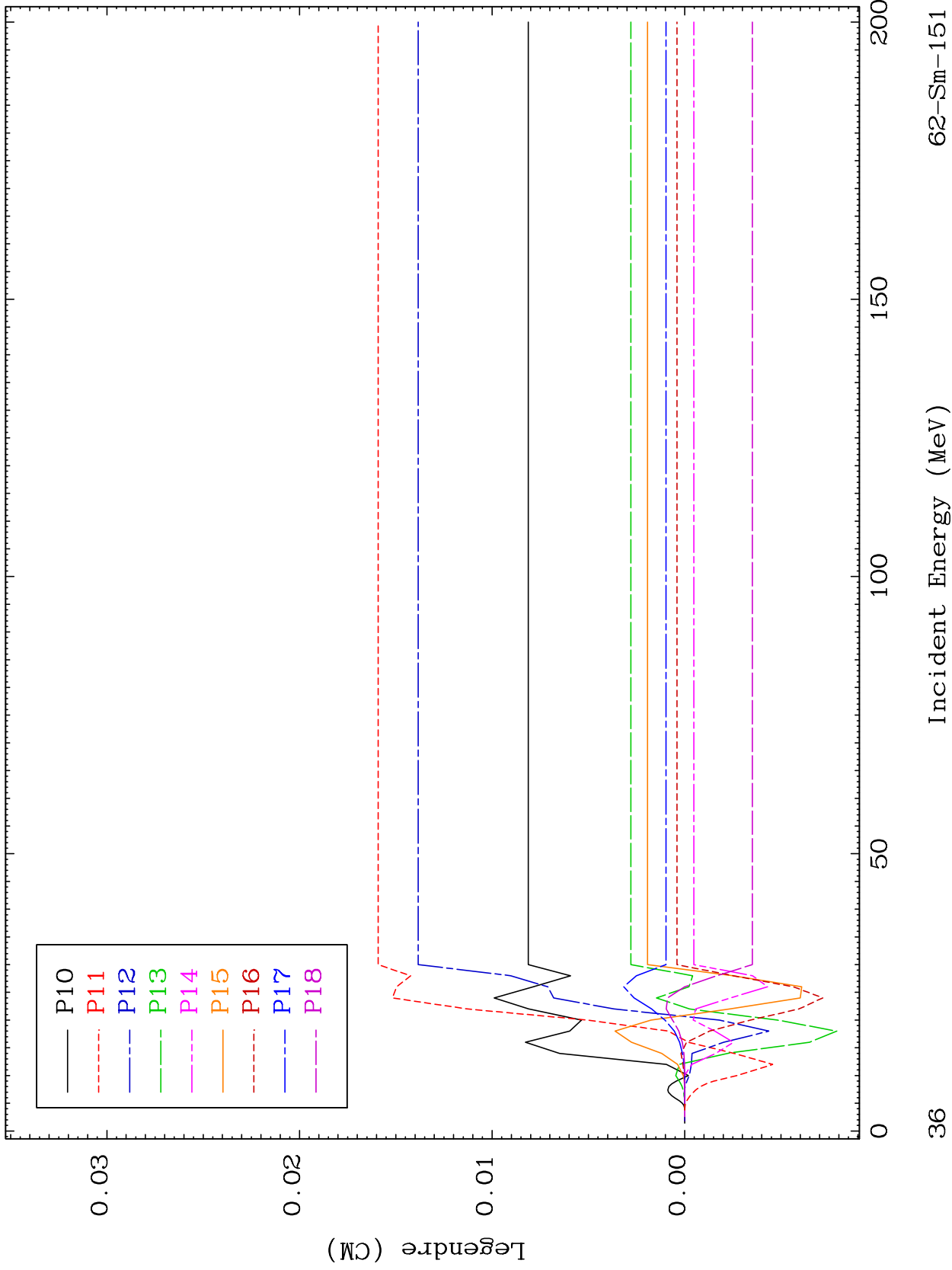
62-Sm-151



62-Sm-151

Incident Energy (MeV)

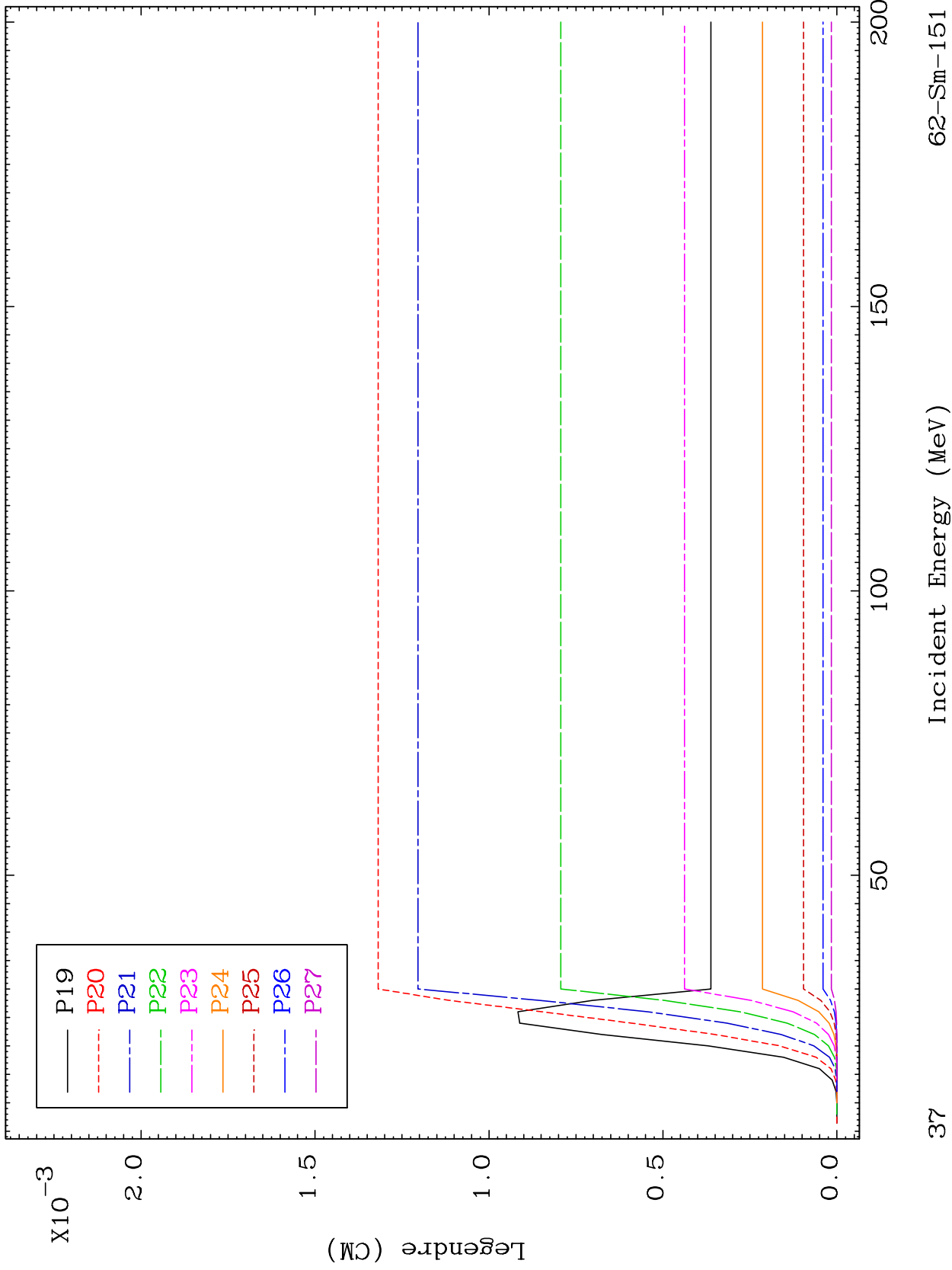
35

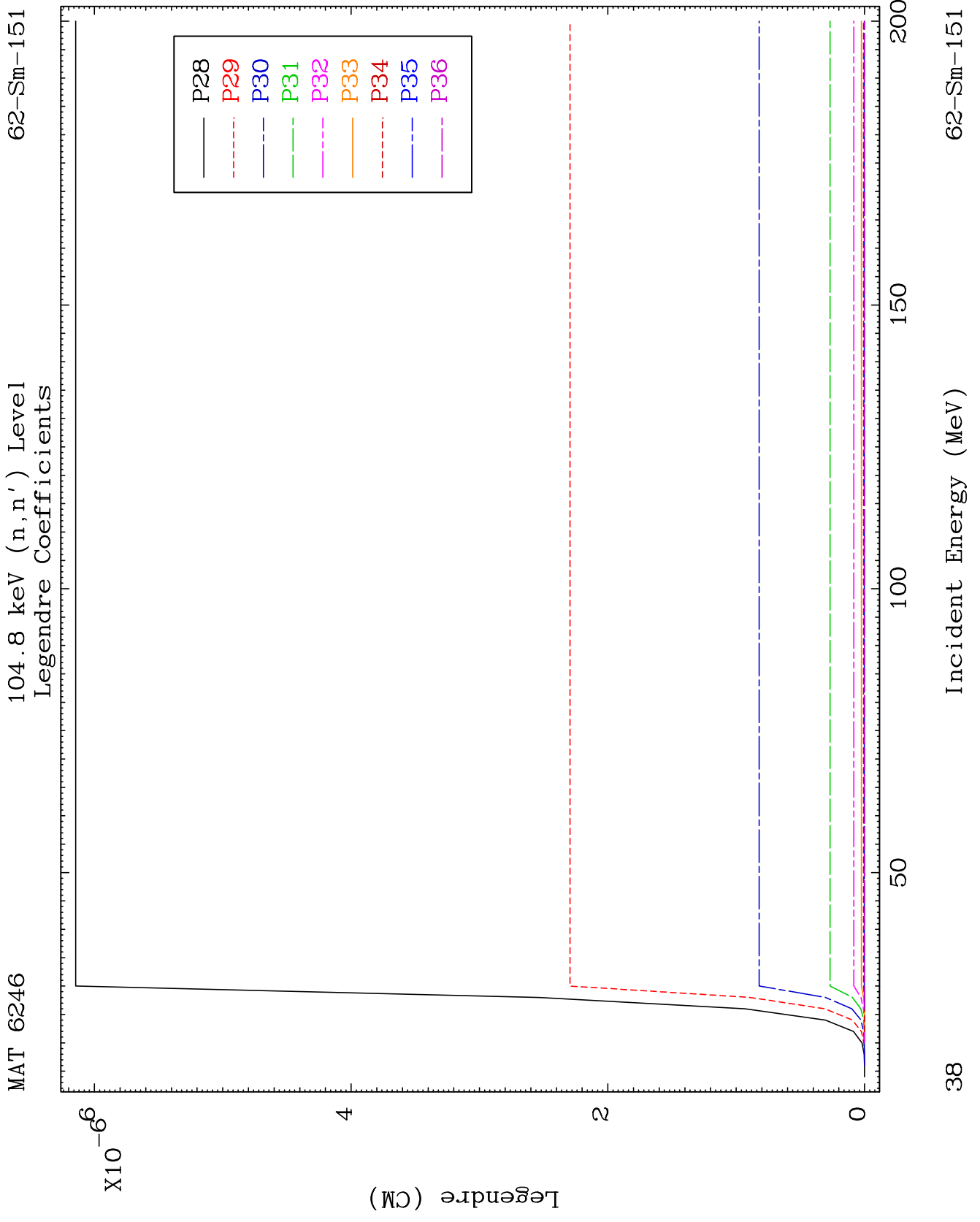


MAT 6246

104.8 keV (n, n') Level  
Legendre Coefficients

62-Sm-151

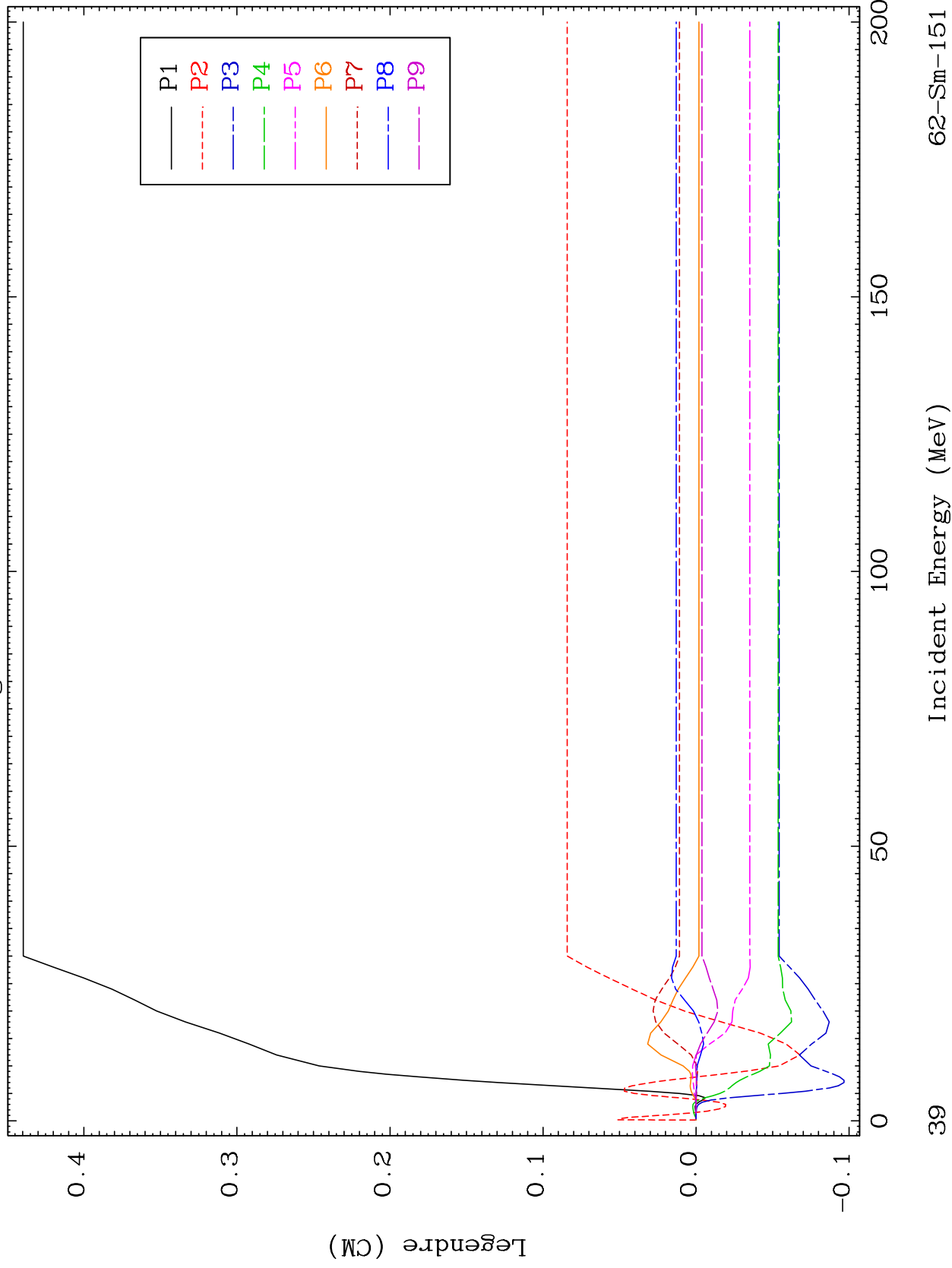




MAT 6246

147.9 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

Incident Energy (MeV)

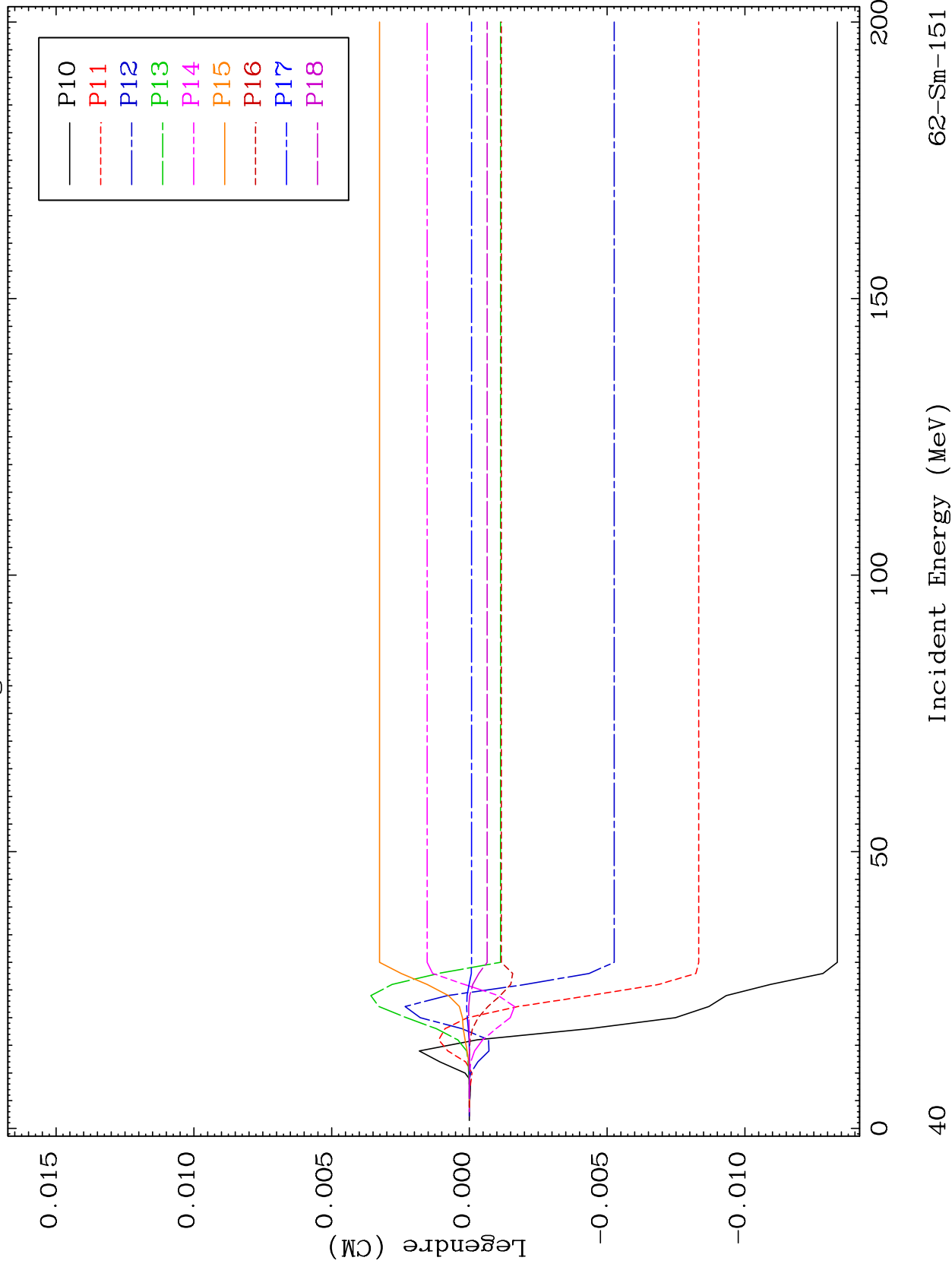
39



MAT 6246

147.9 keV (n,n') Level  
Legendre Coefficients

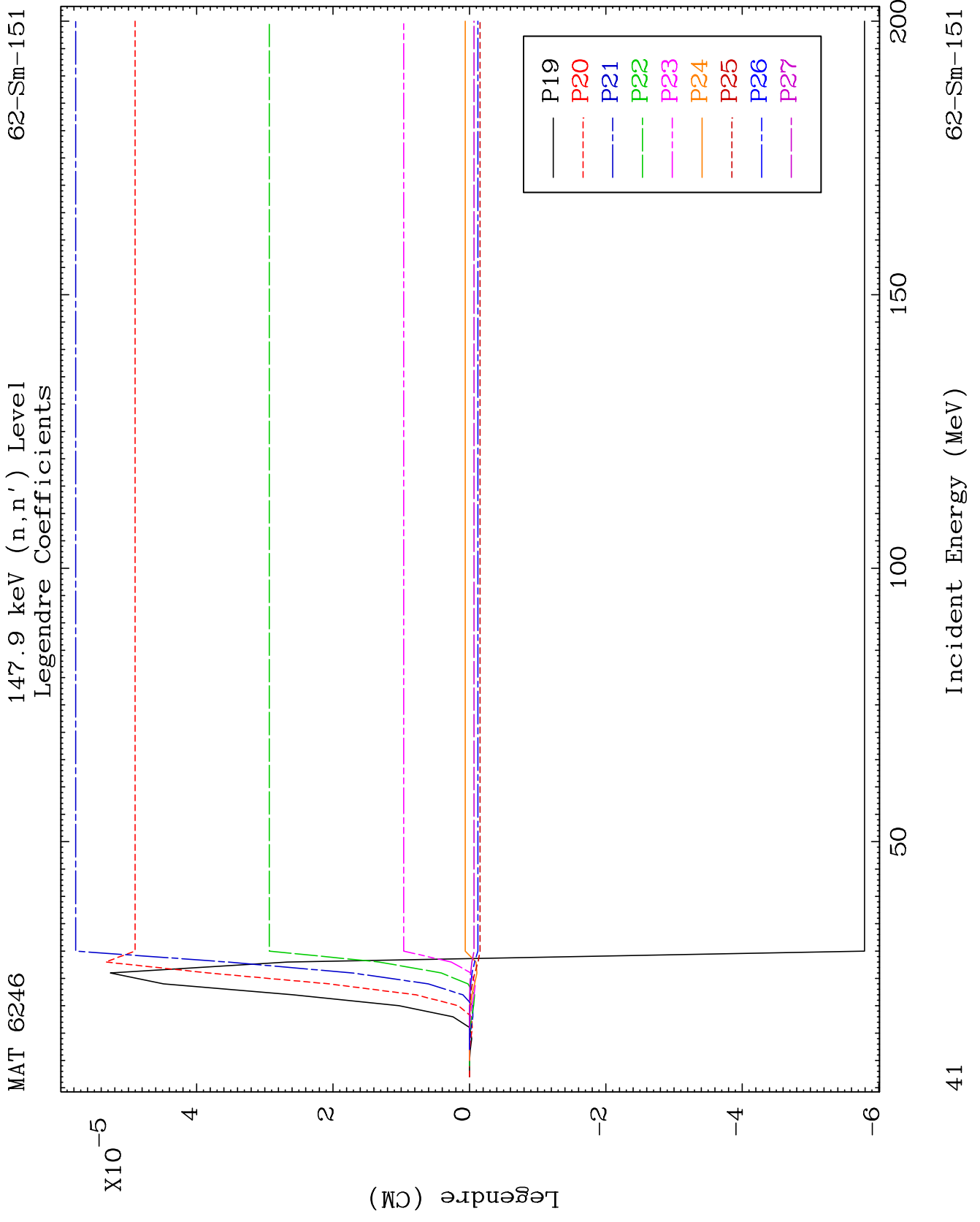
62-Sm-151

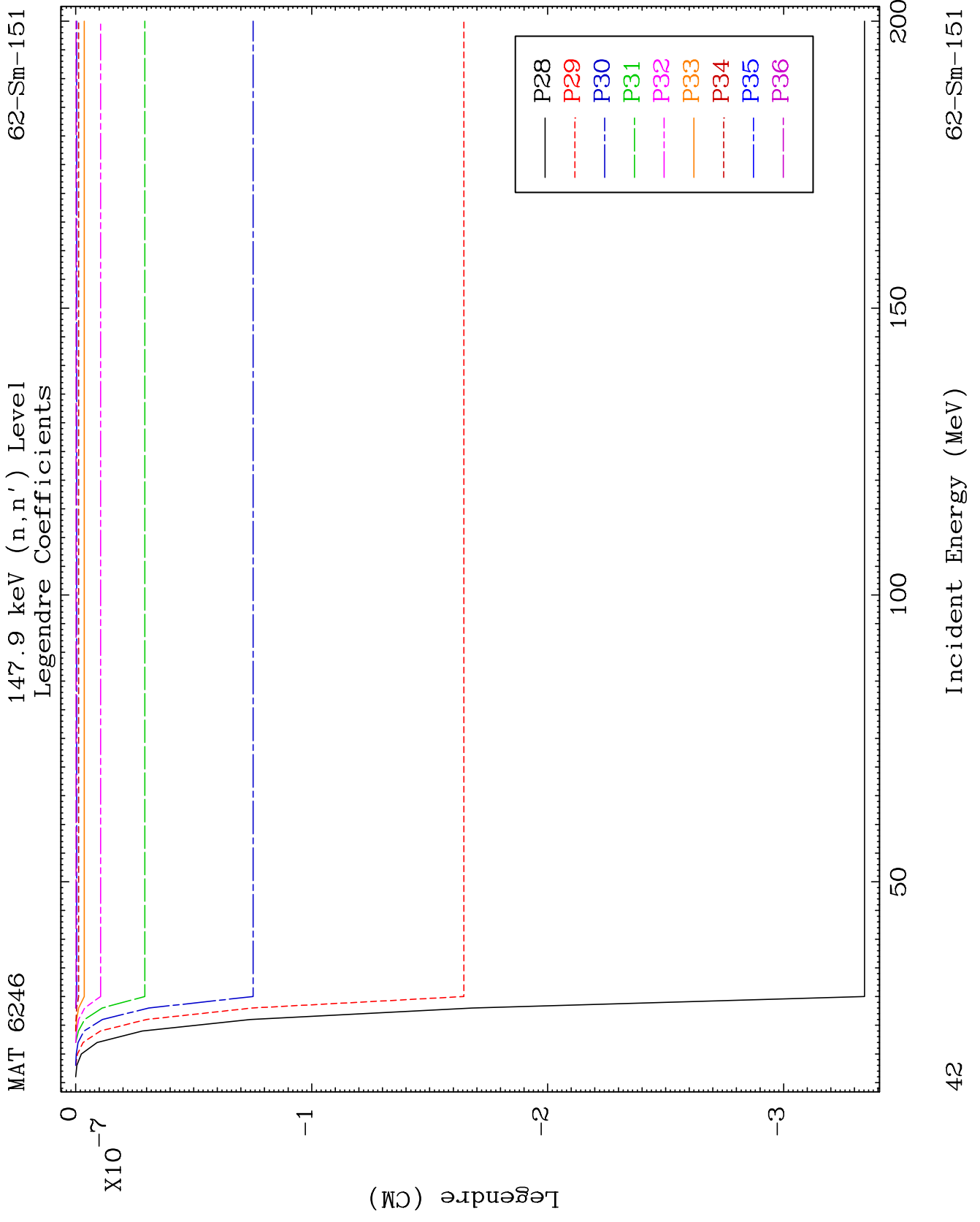


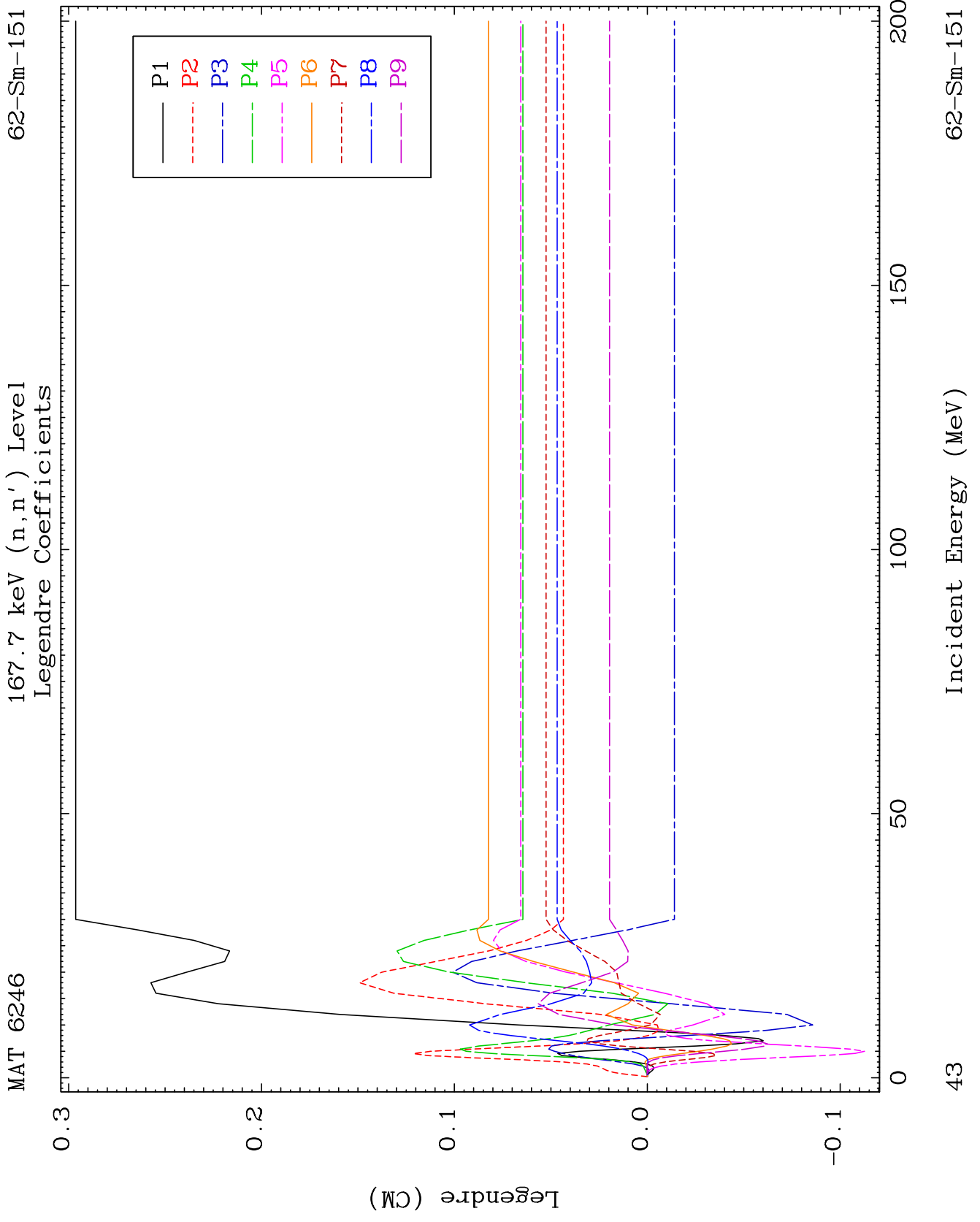
62-Sm-151

Incident Energy (MeV)

40



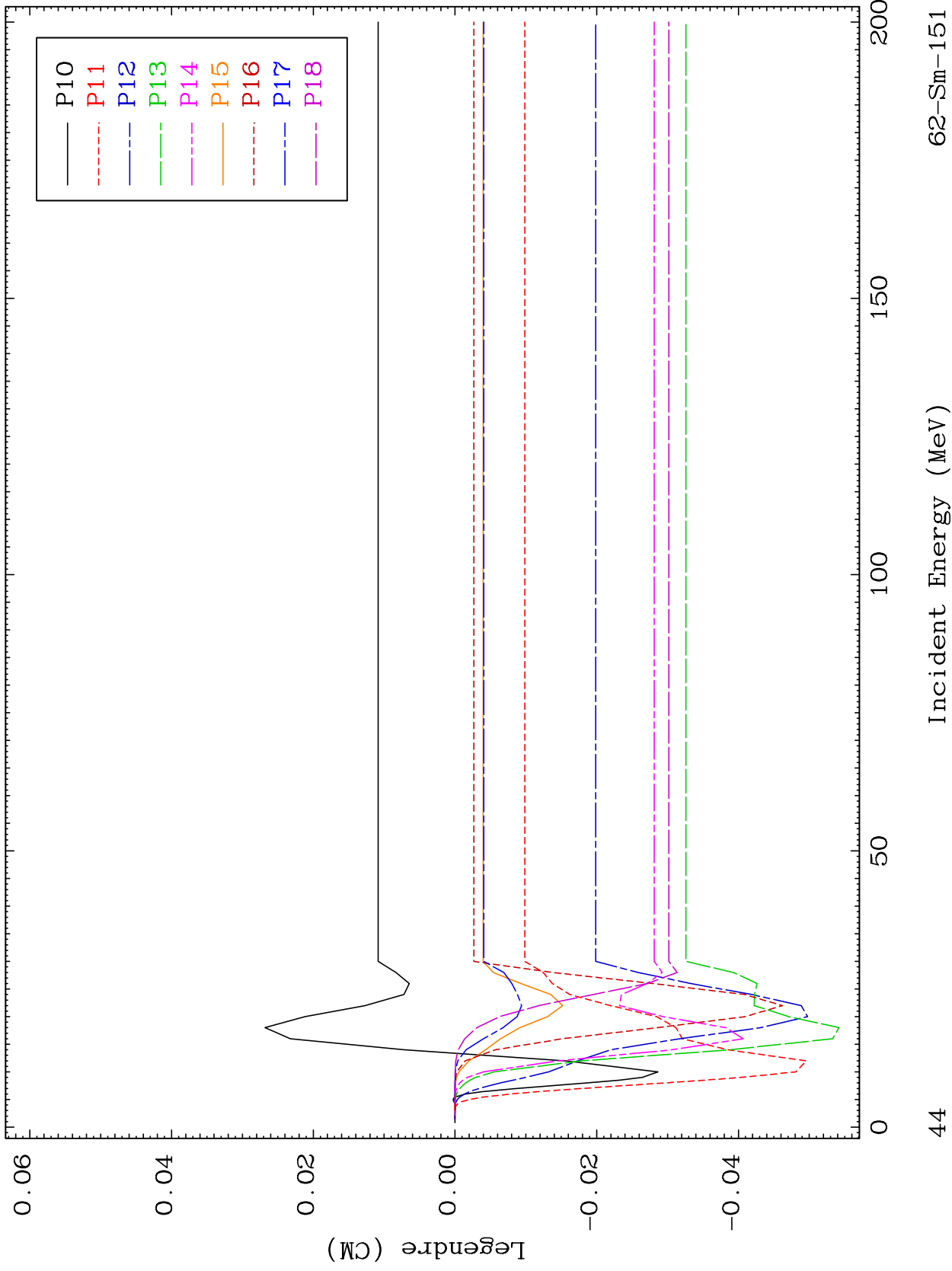




MAT 6246

167.7 keV (n,n') Level  
Legendre Coefficients

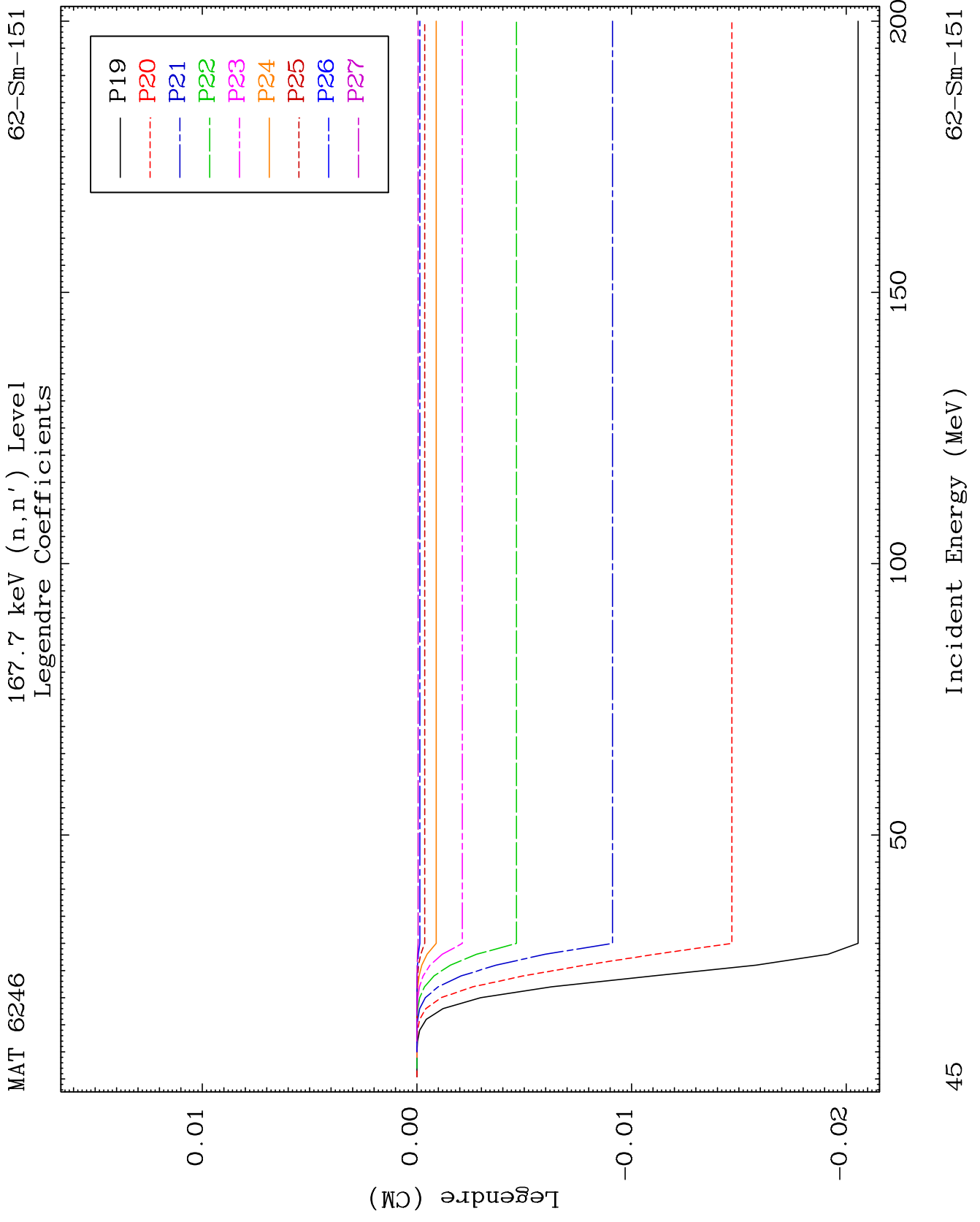
62-Sm-151

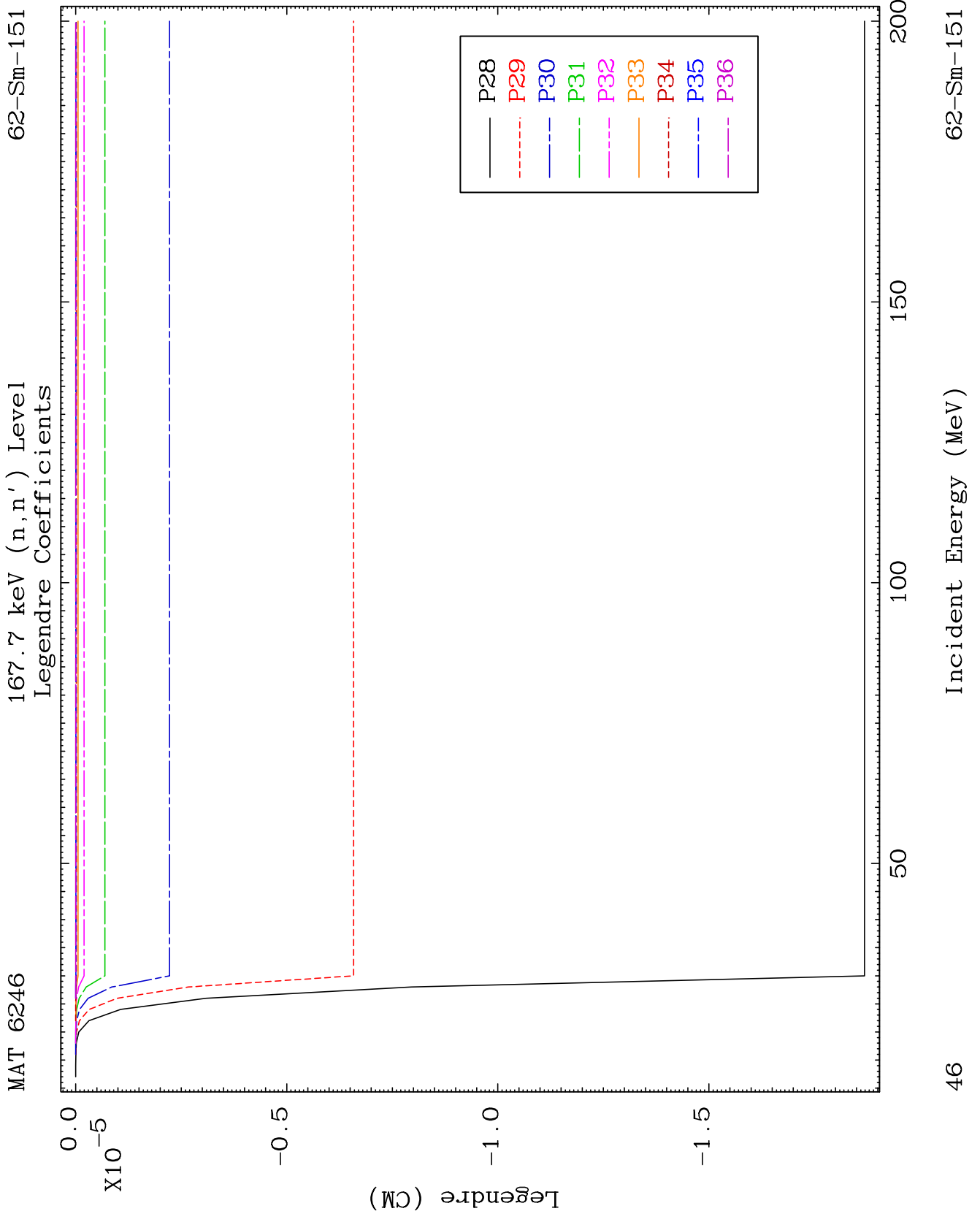


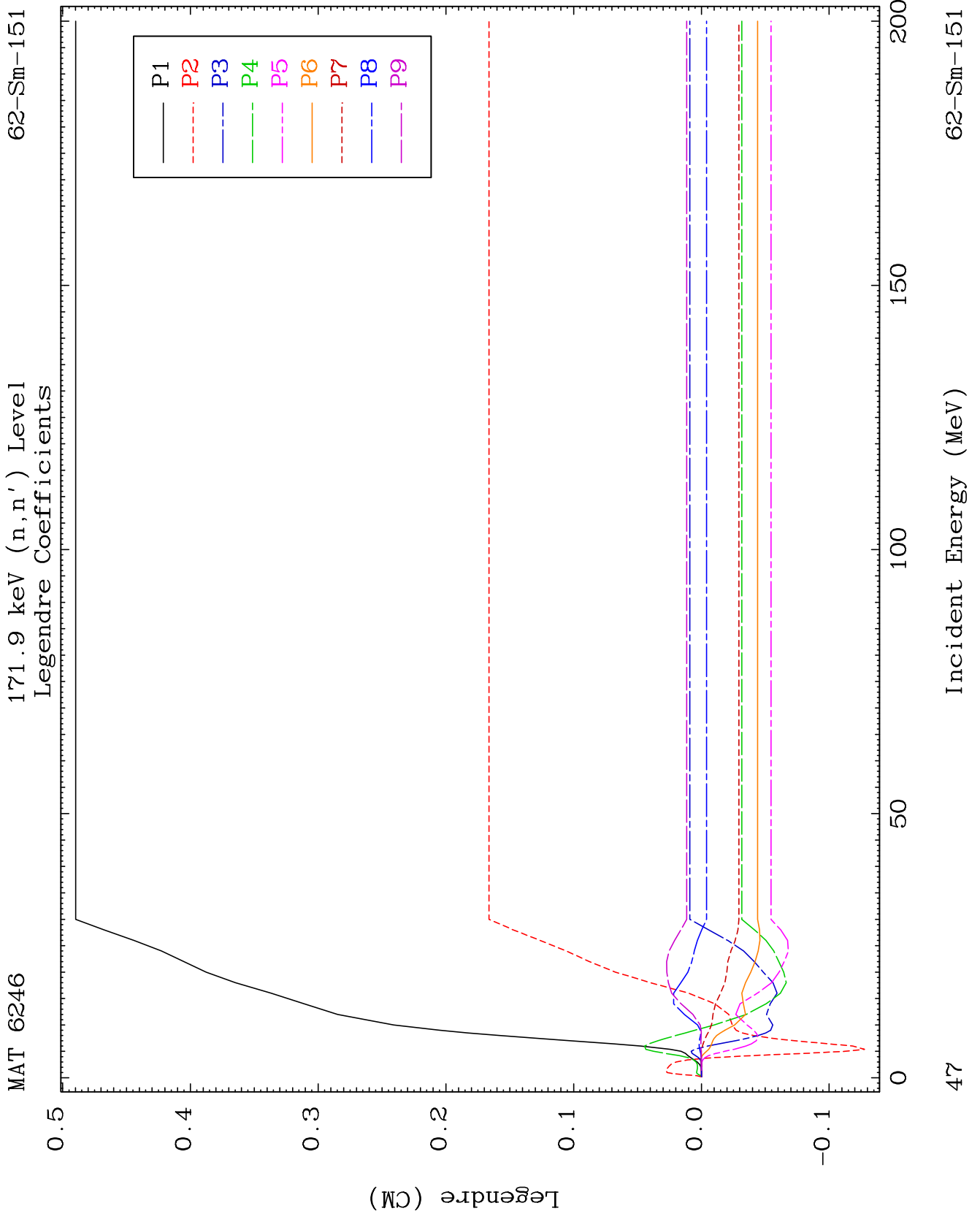
62-Sm-151

Incident Energy (MeV)

44





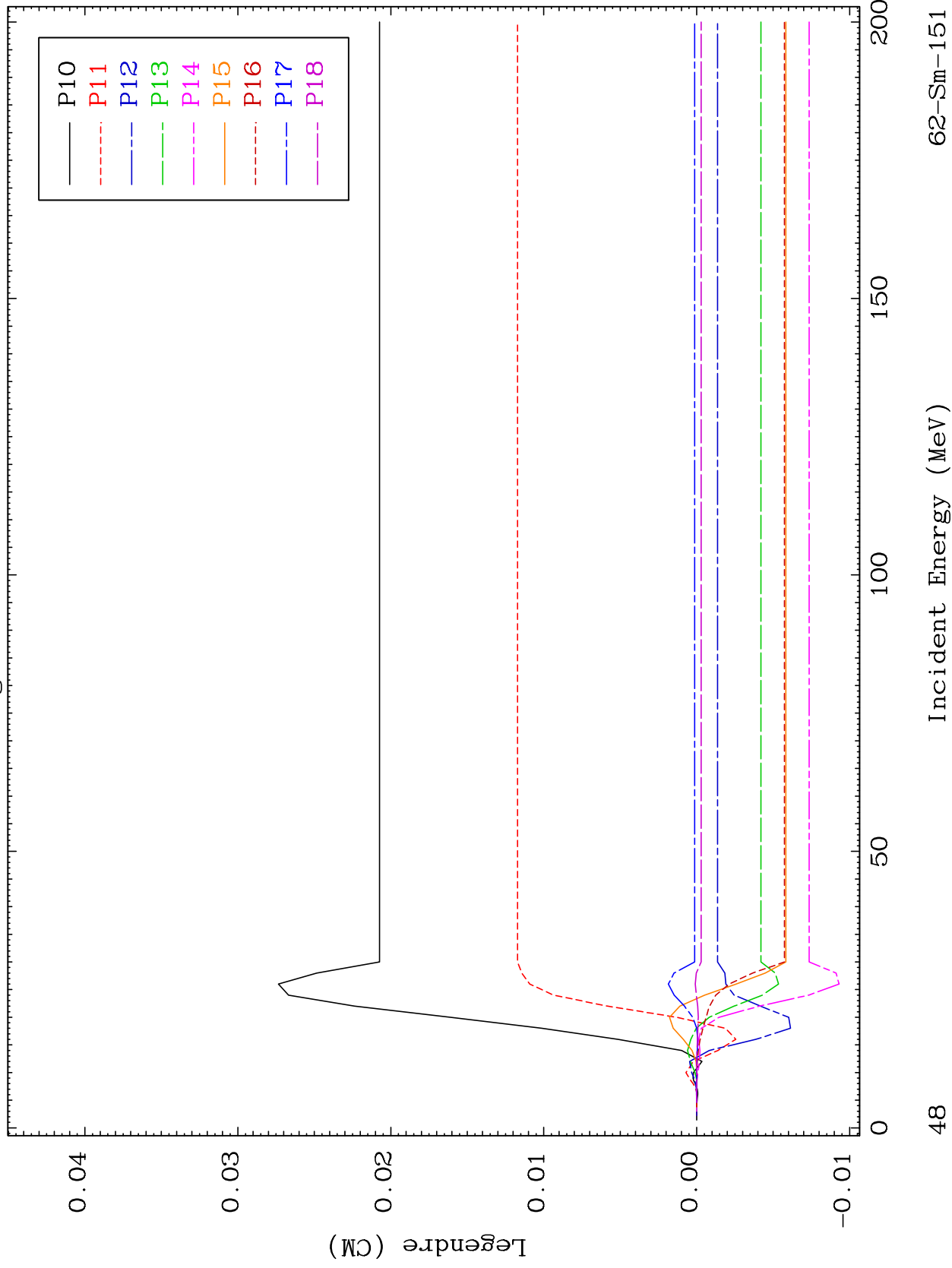




MAT 6246

171.9 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

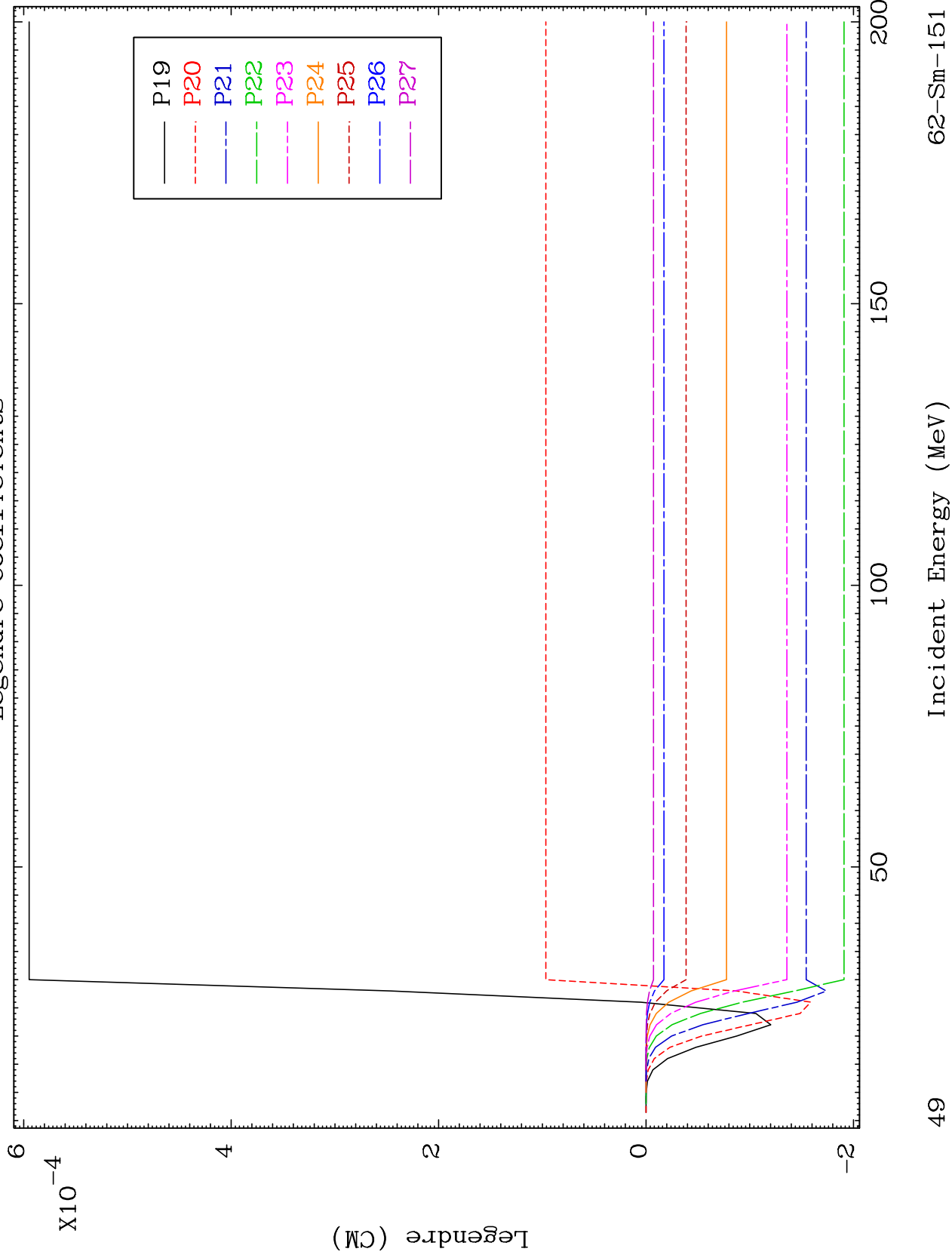
Incident Energy (MeV)

48

MAT 6246

171.9 keV (n,n') Level  
Legendre Coefficients

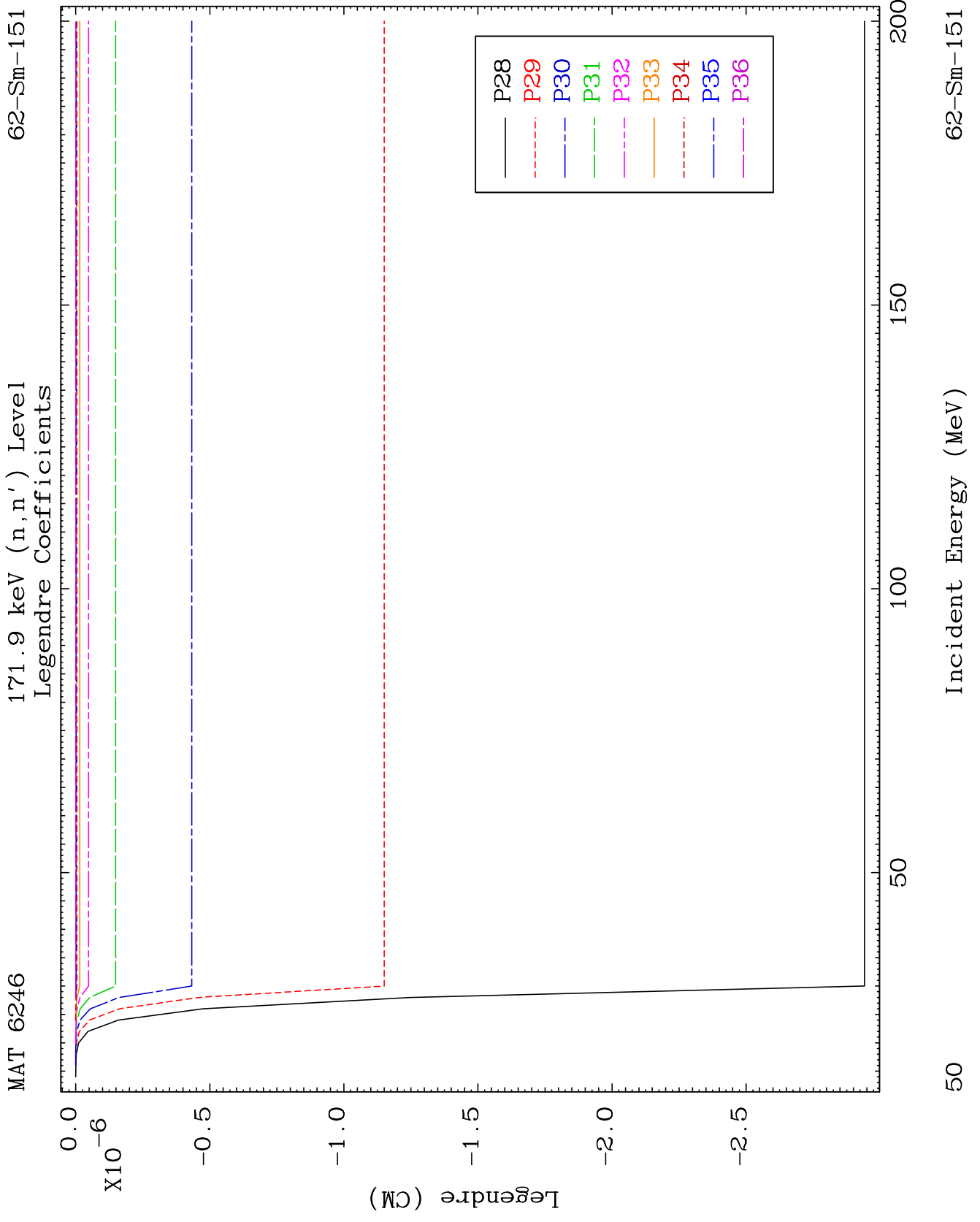
62-Sm-151



49

Incident Energy (MeV)

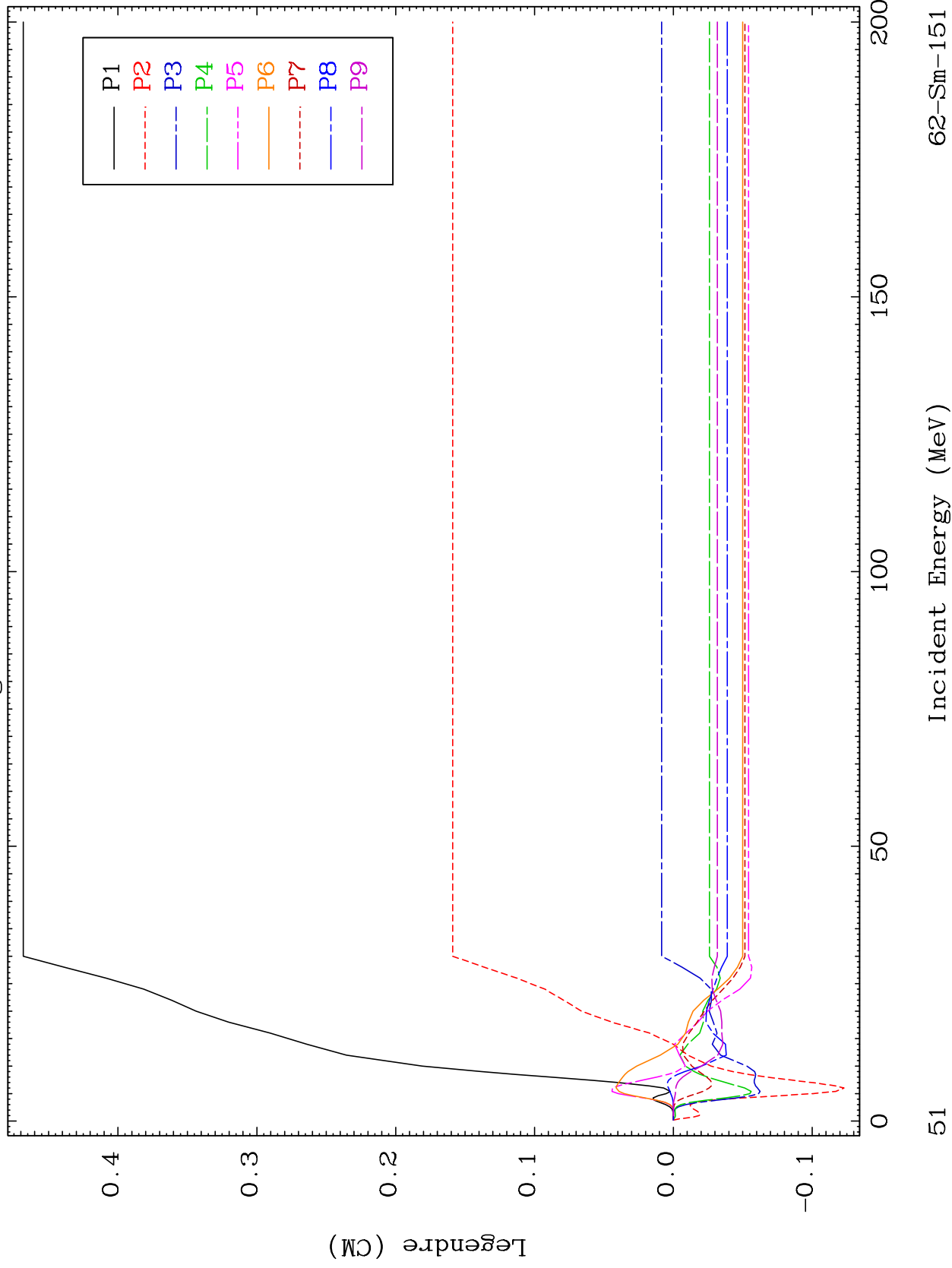
62-Sm-151



MAT 6246

175.4 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



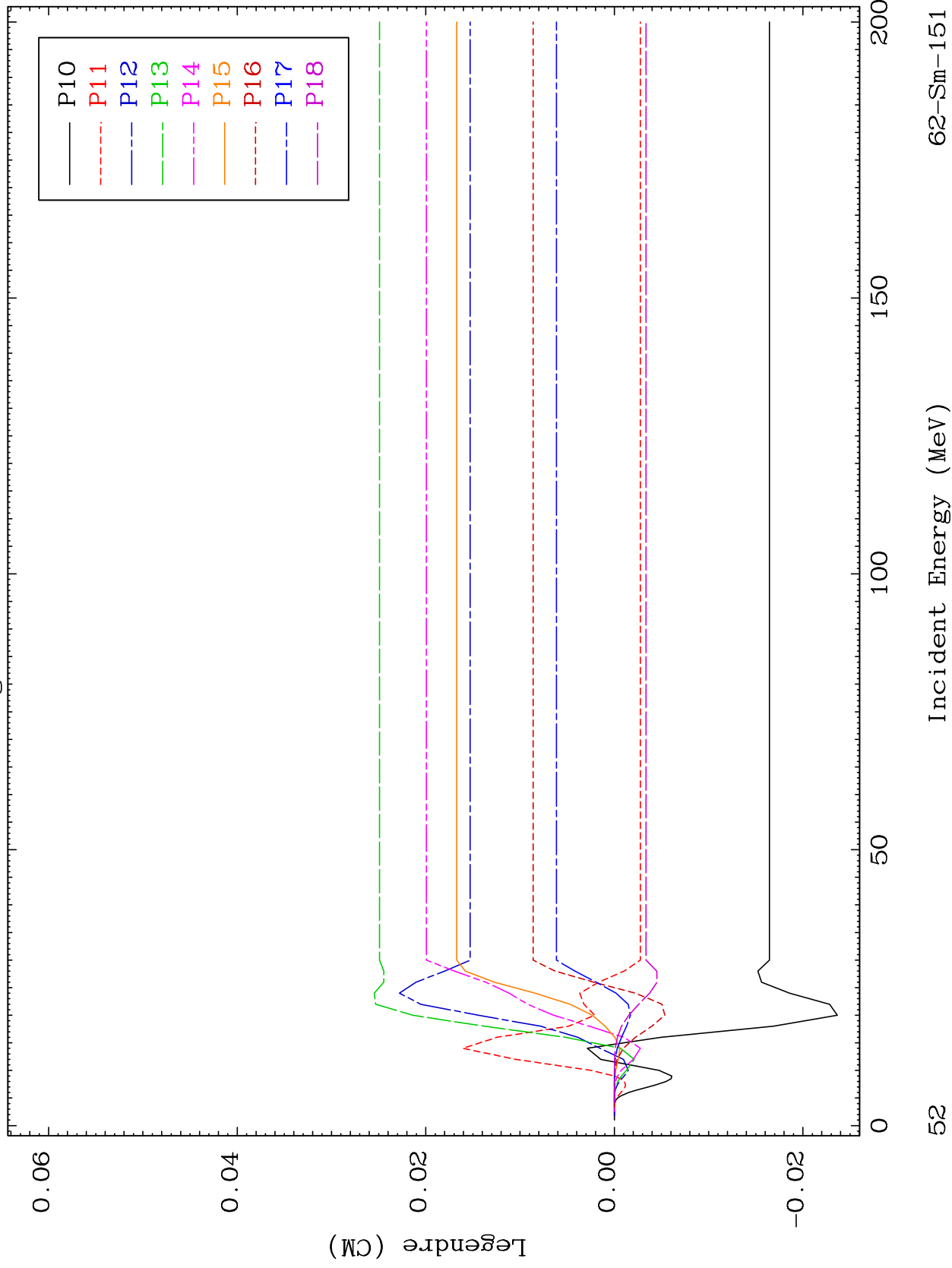
51

62-Sm-151

MAT 6246

175.4 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

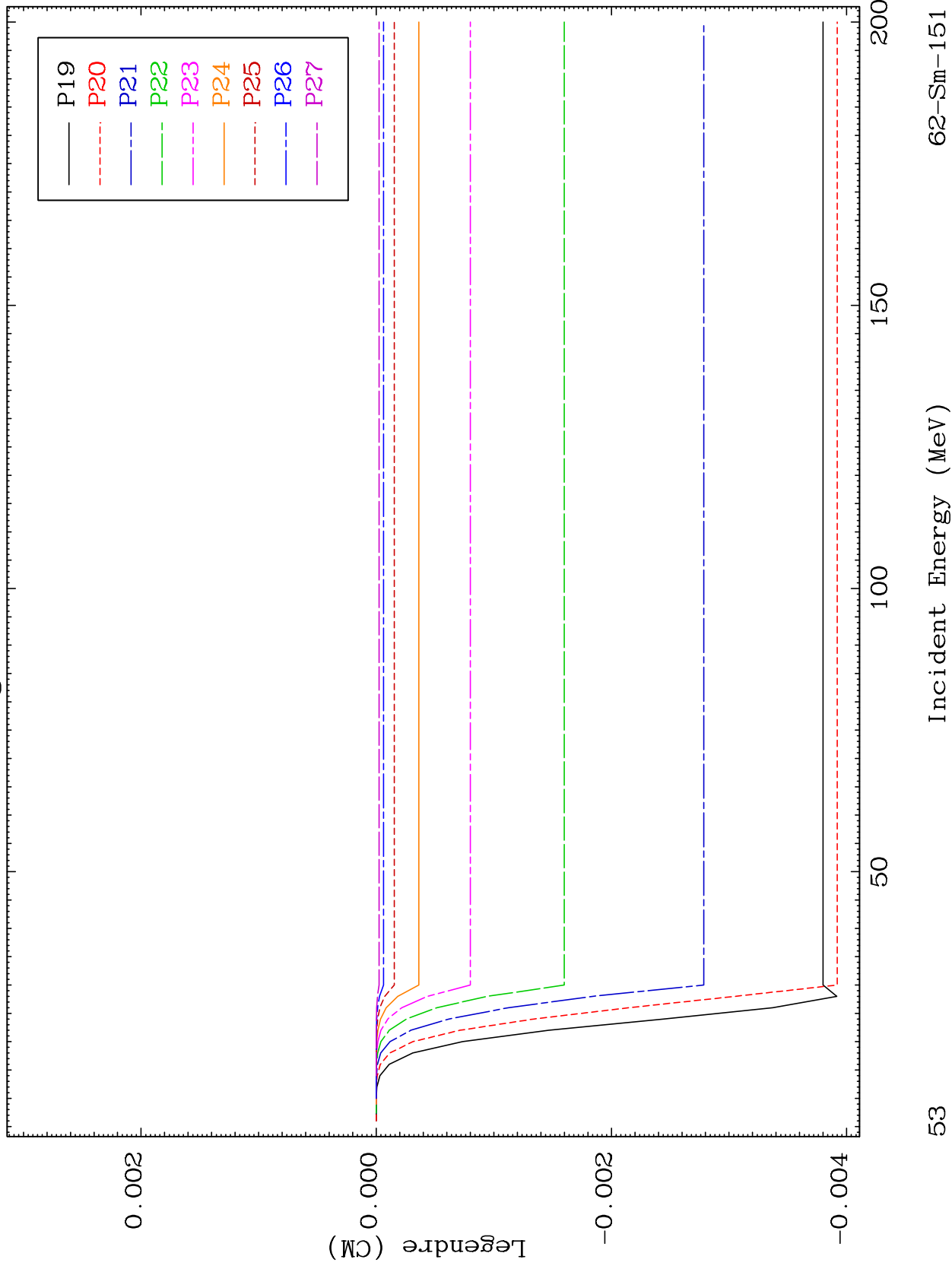
Incident Energy (MeV)

52

MAT 6246

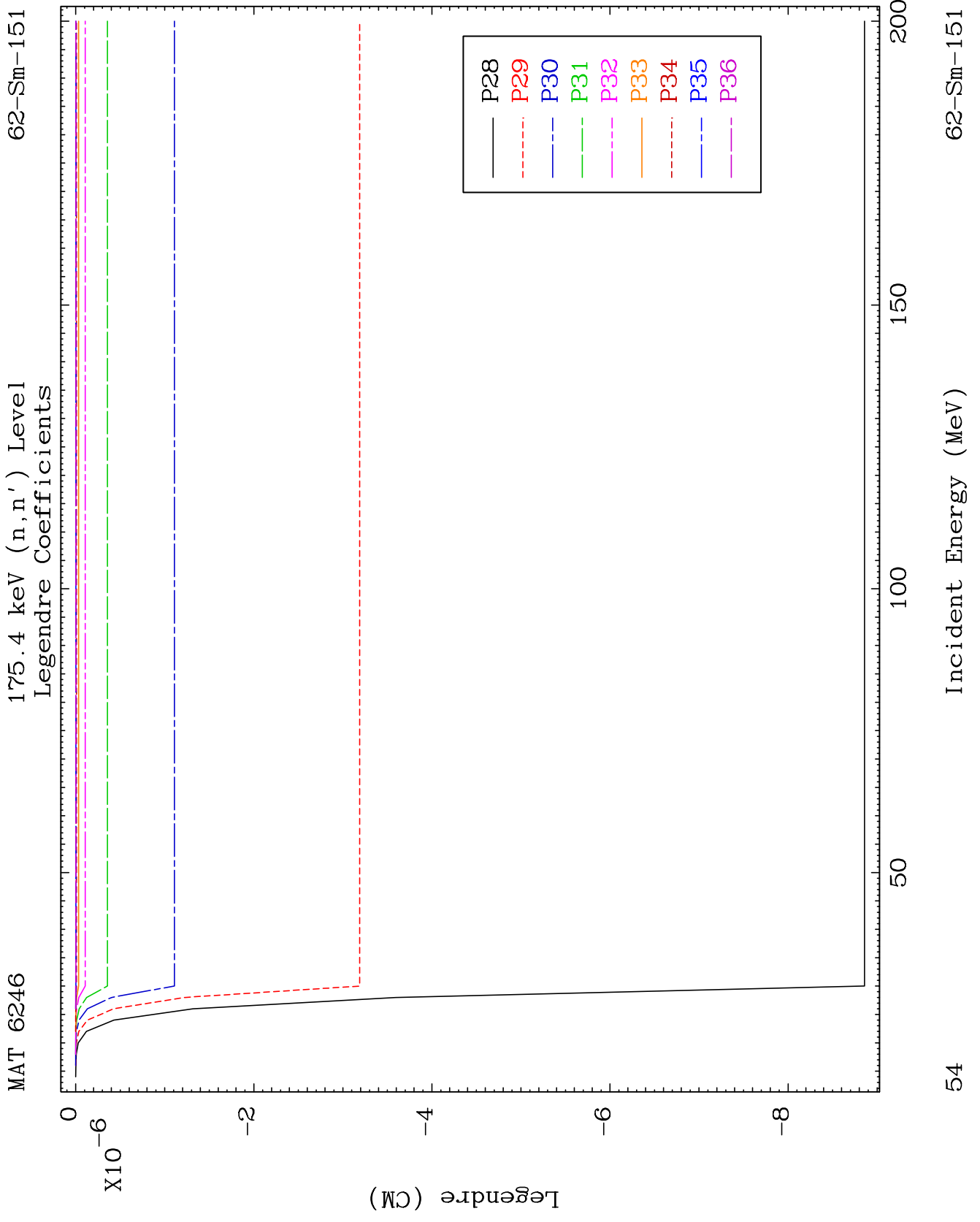
175.4 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



53

62-Sm-151



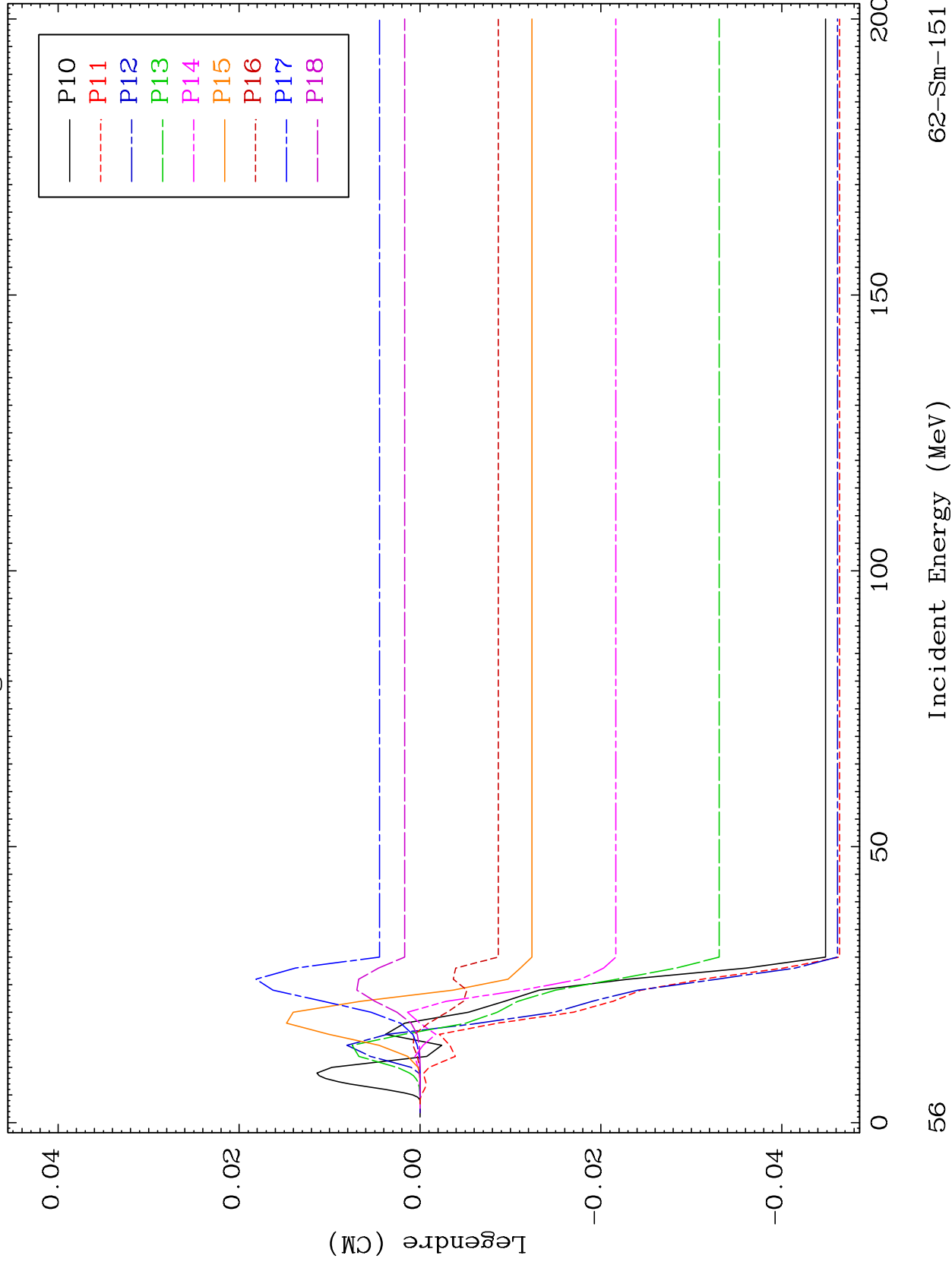




MAT 6246

209.0 keV (n,n') Level  
Legendre Coefficients

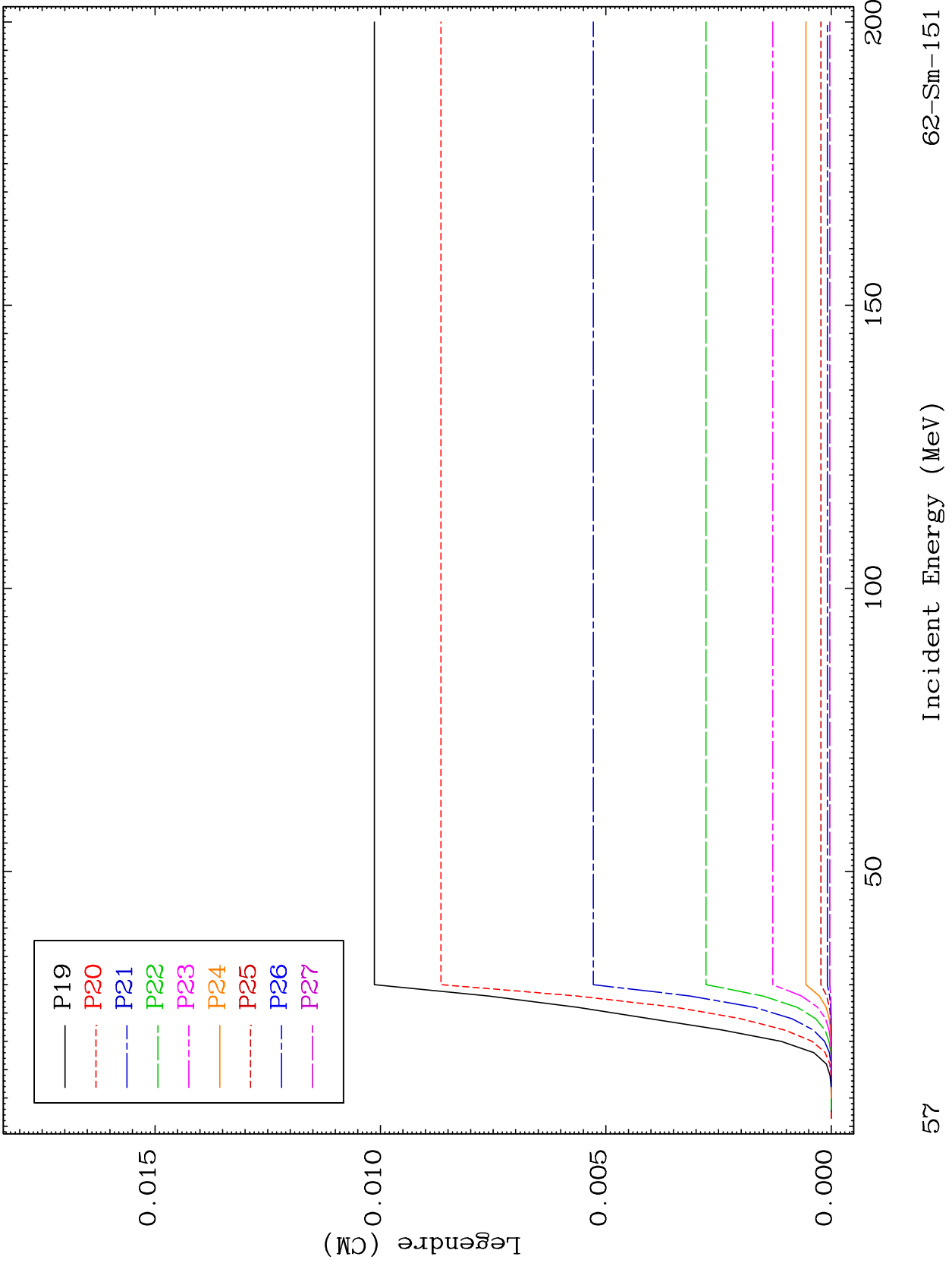
62-Sm-151

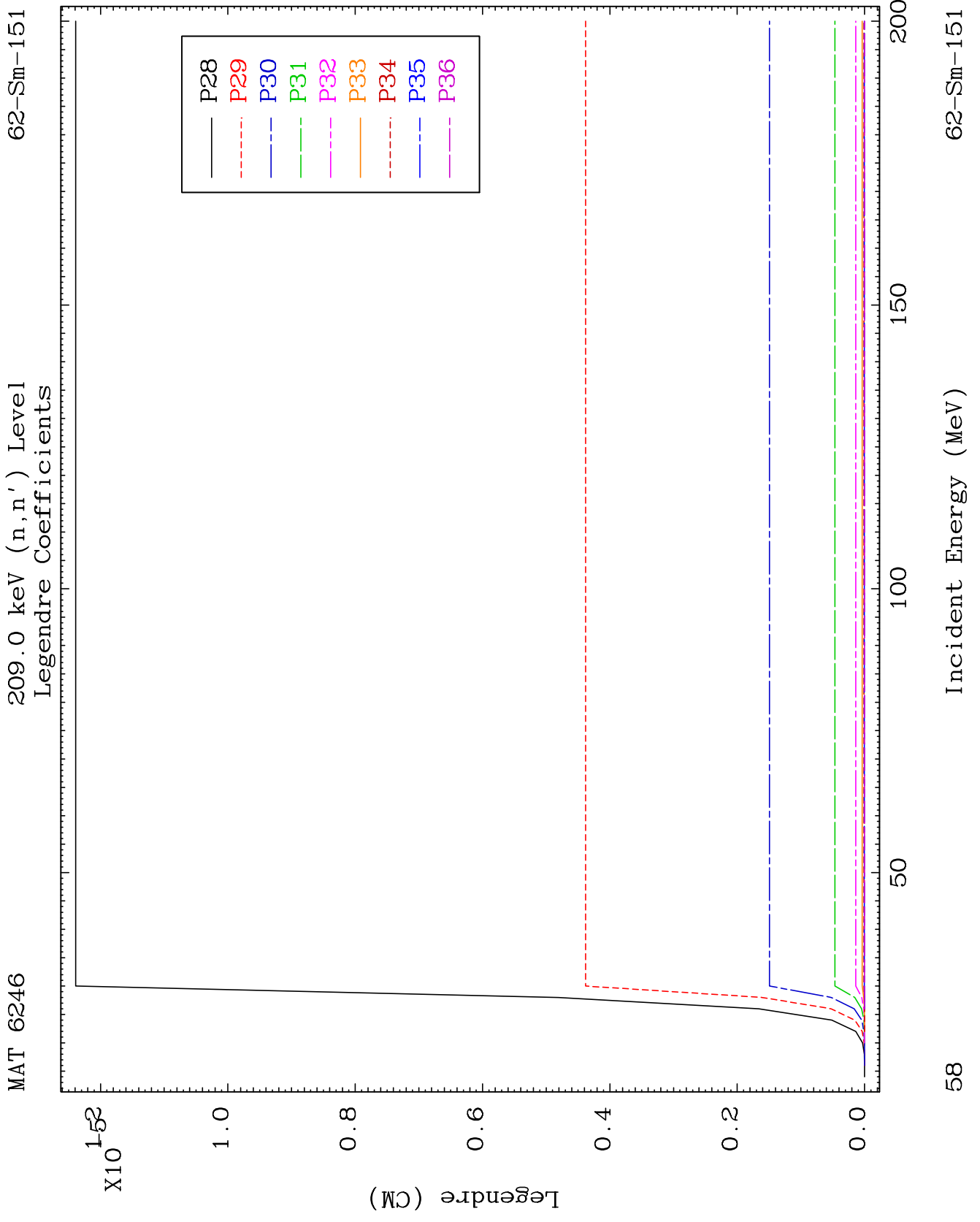


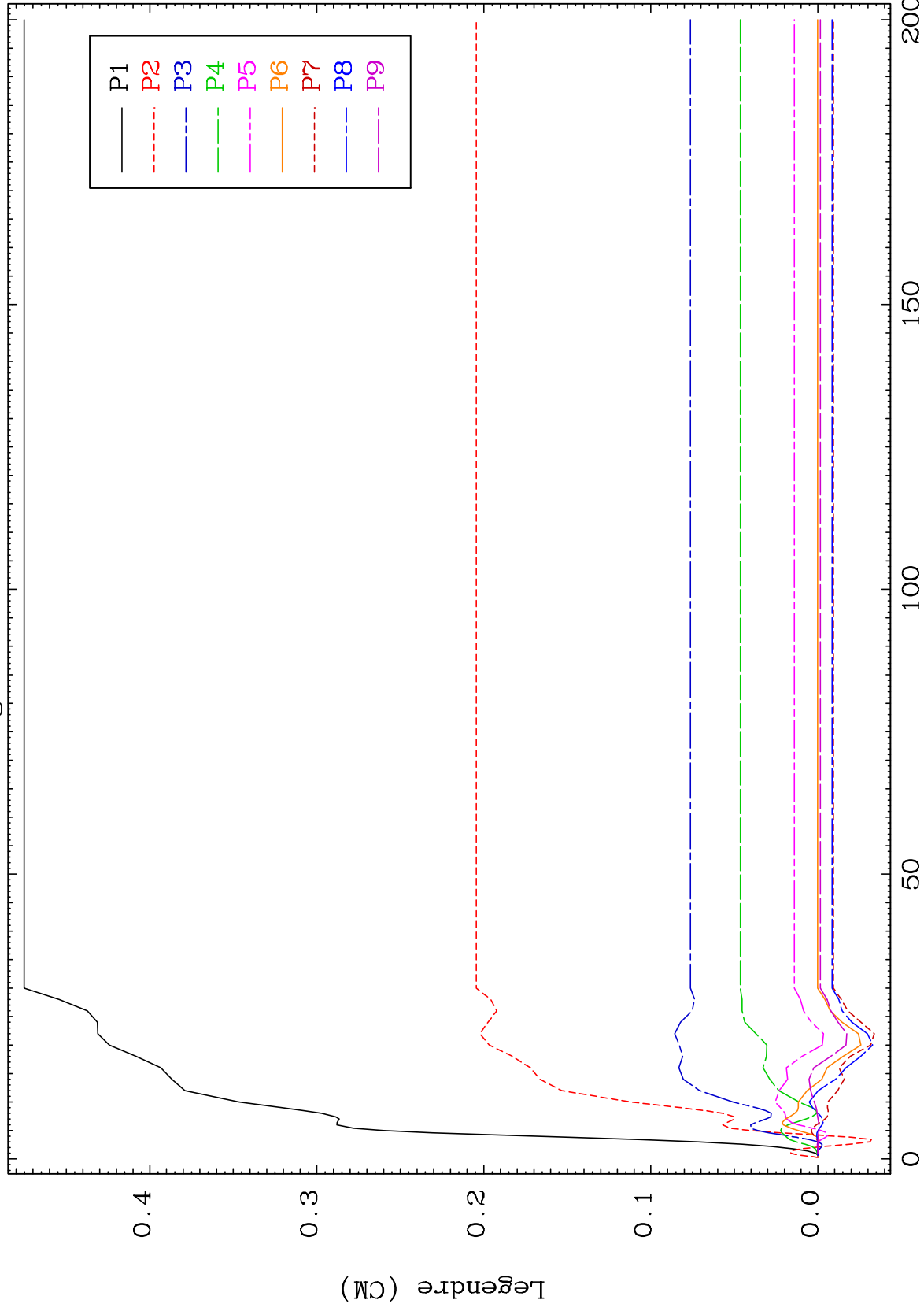
56

Incident Energy (MeV)

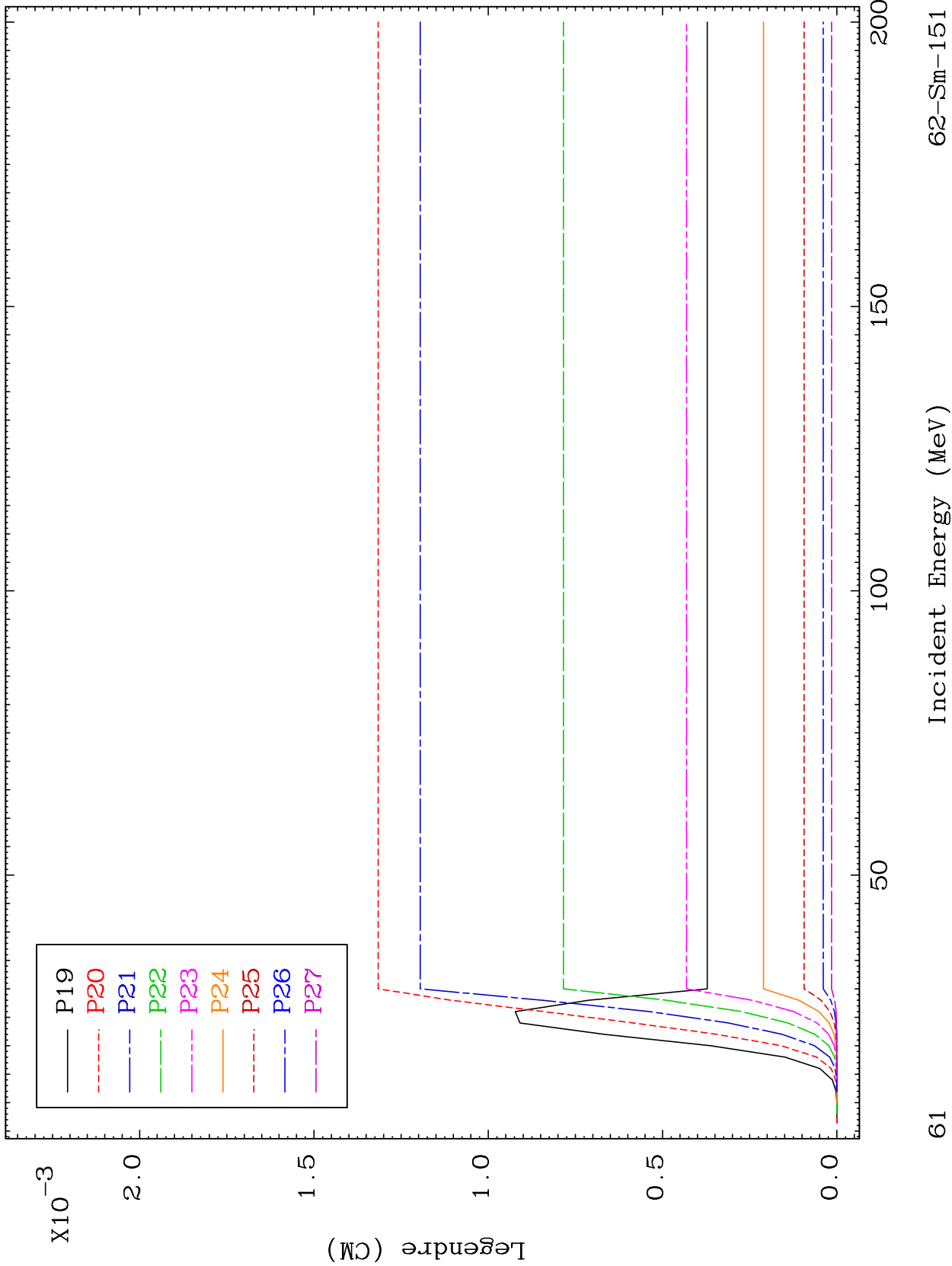
62-Sm-151

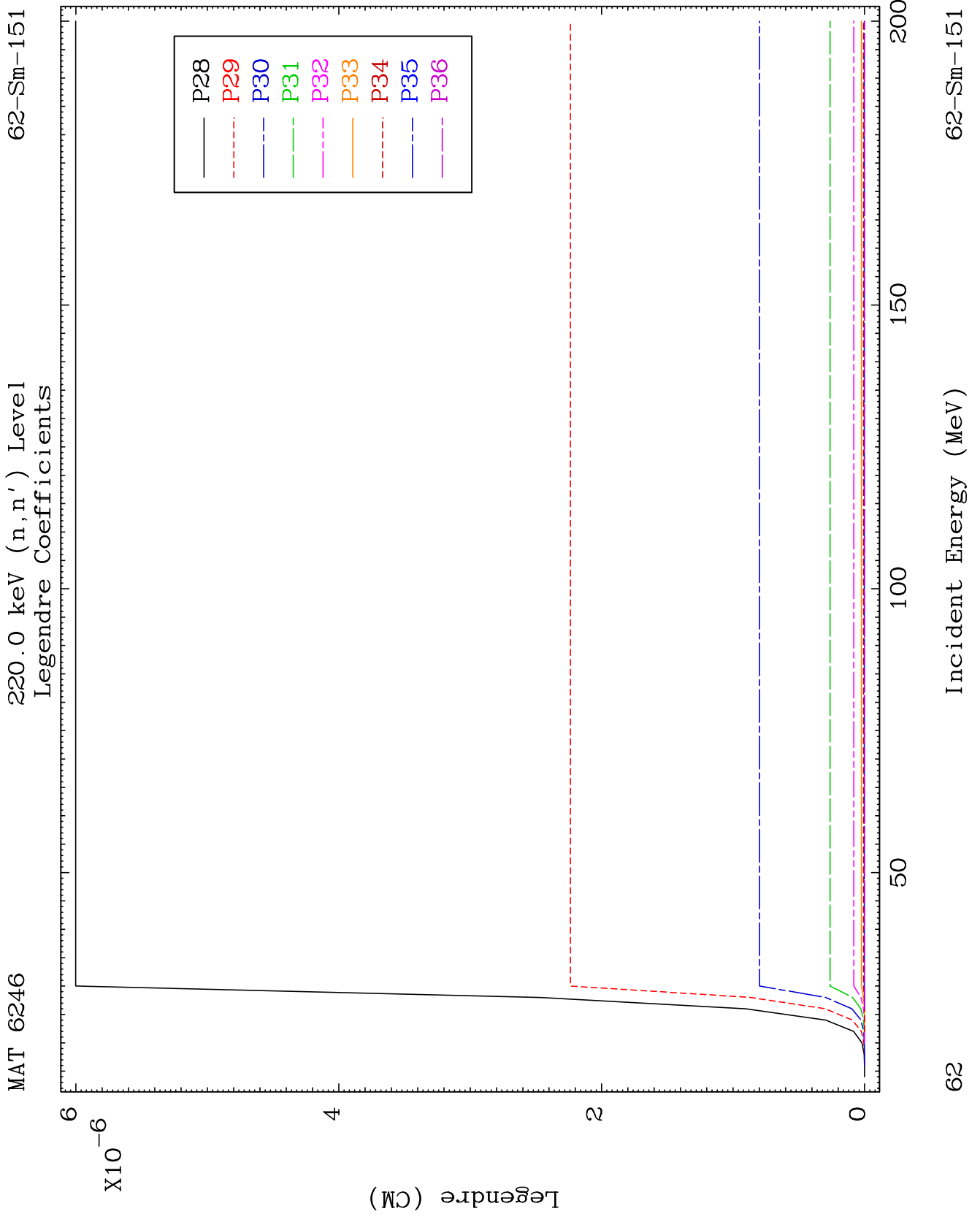












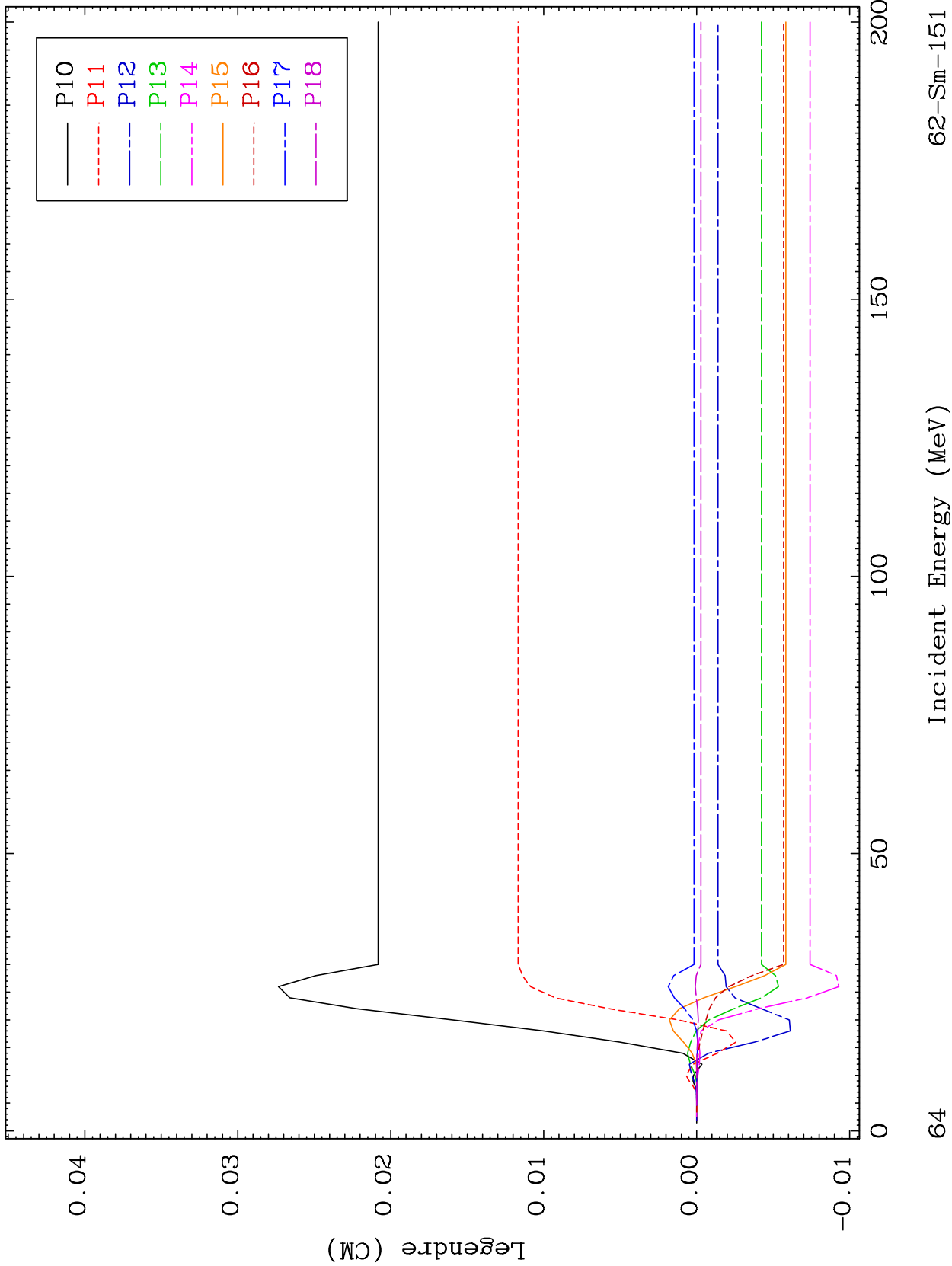




MAT 6246

261.1 keV (n,n') Level  
Legendre Coefficients

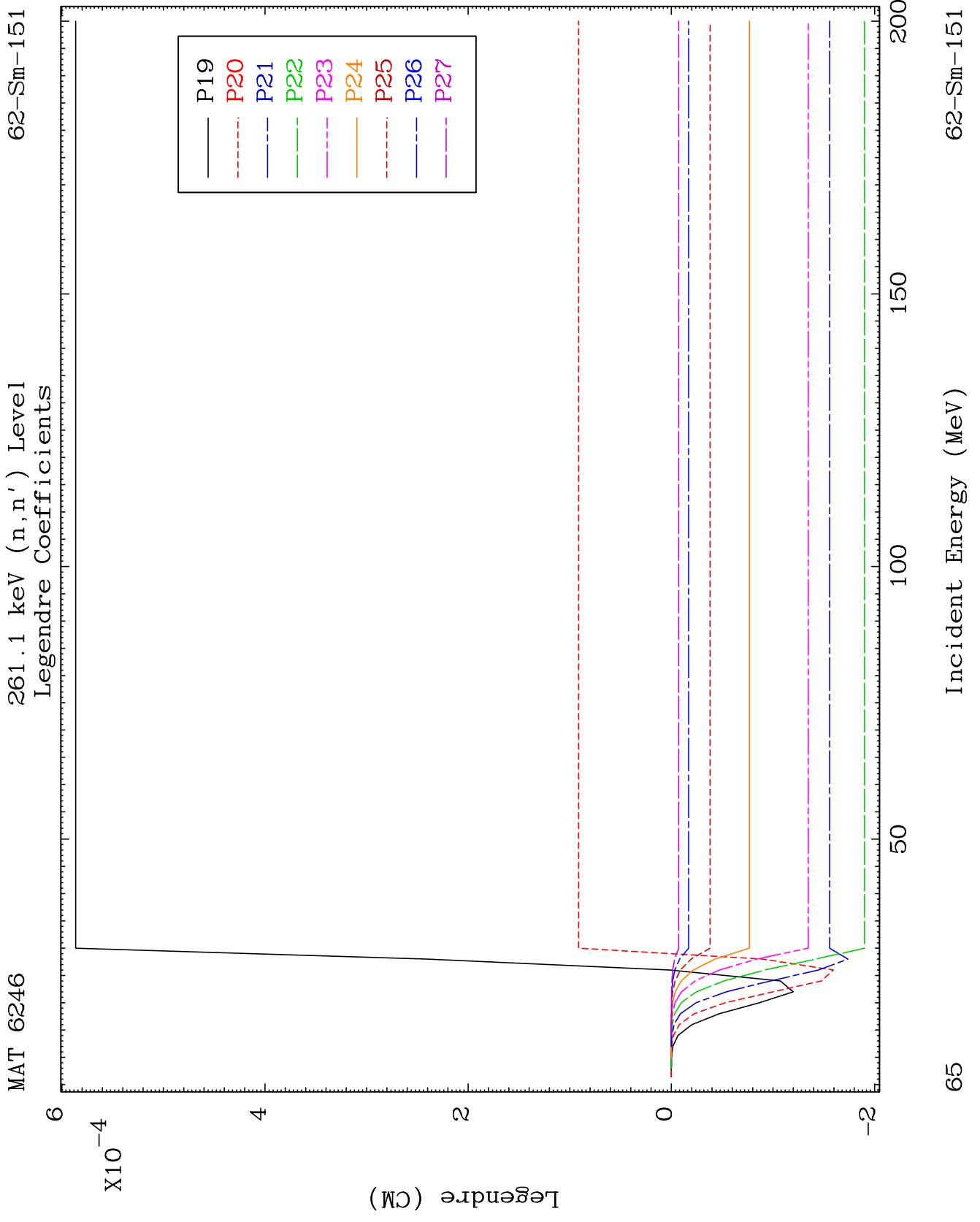
62-Sm-151



64

Incident Energy (MeV)

62-Sm-151

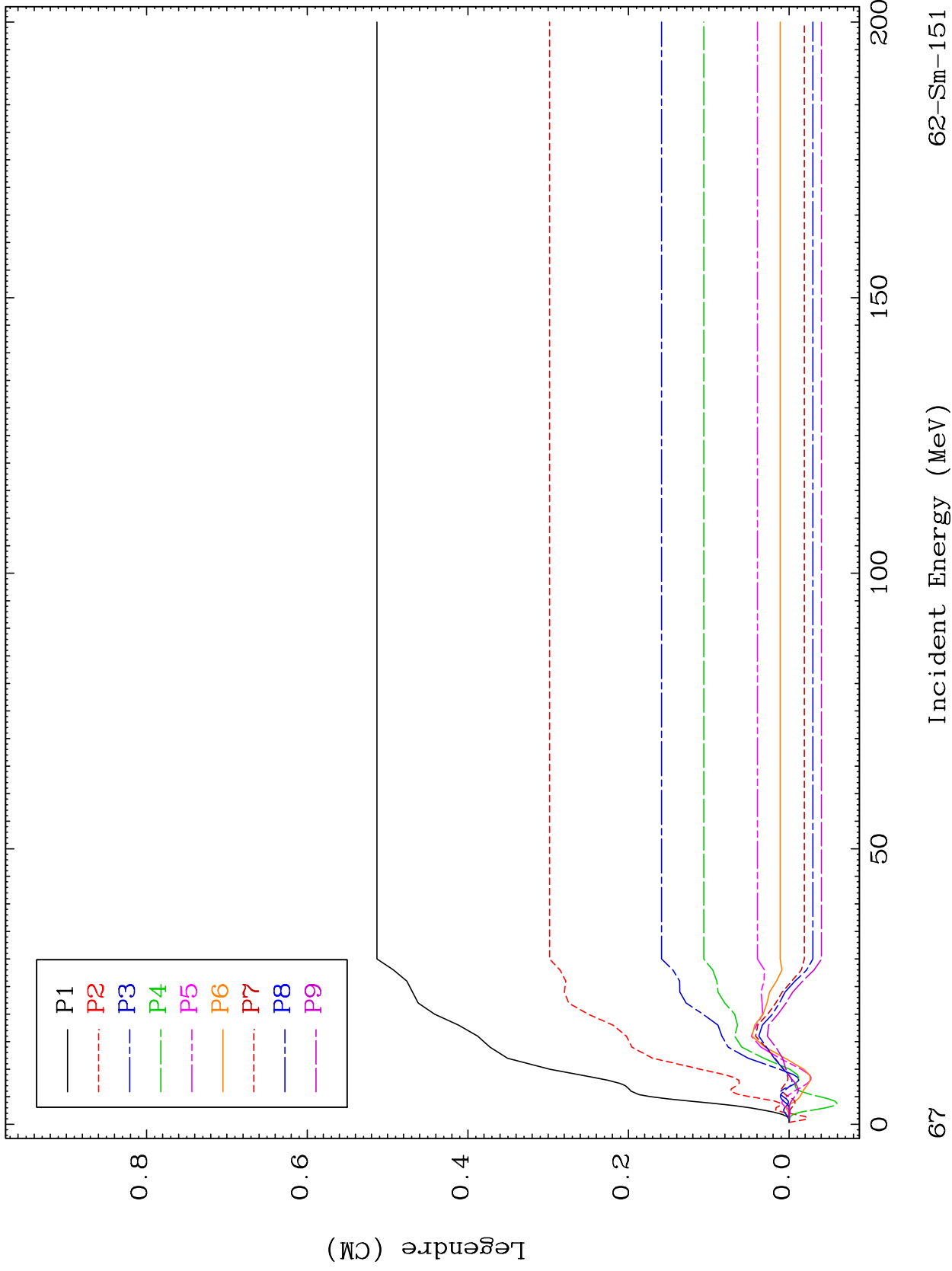




MAT 6246

284.9 keV (n,n') Level  
Legendre Coefficients

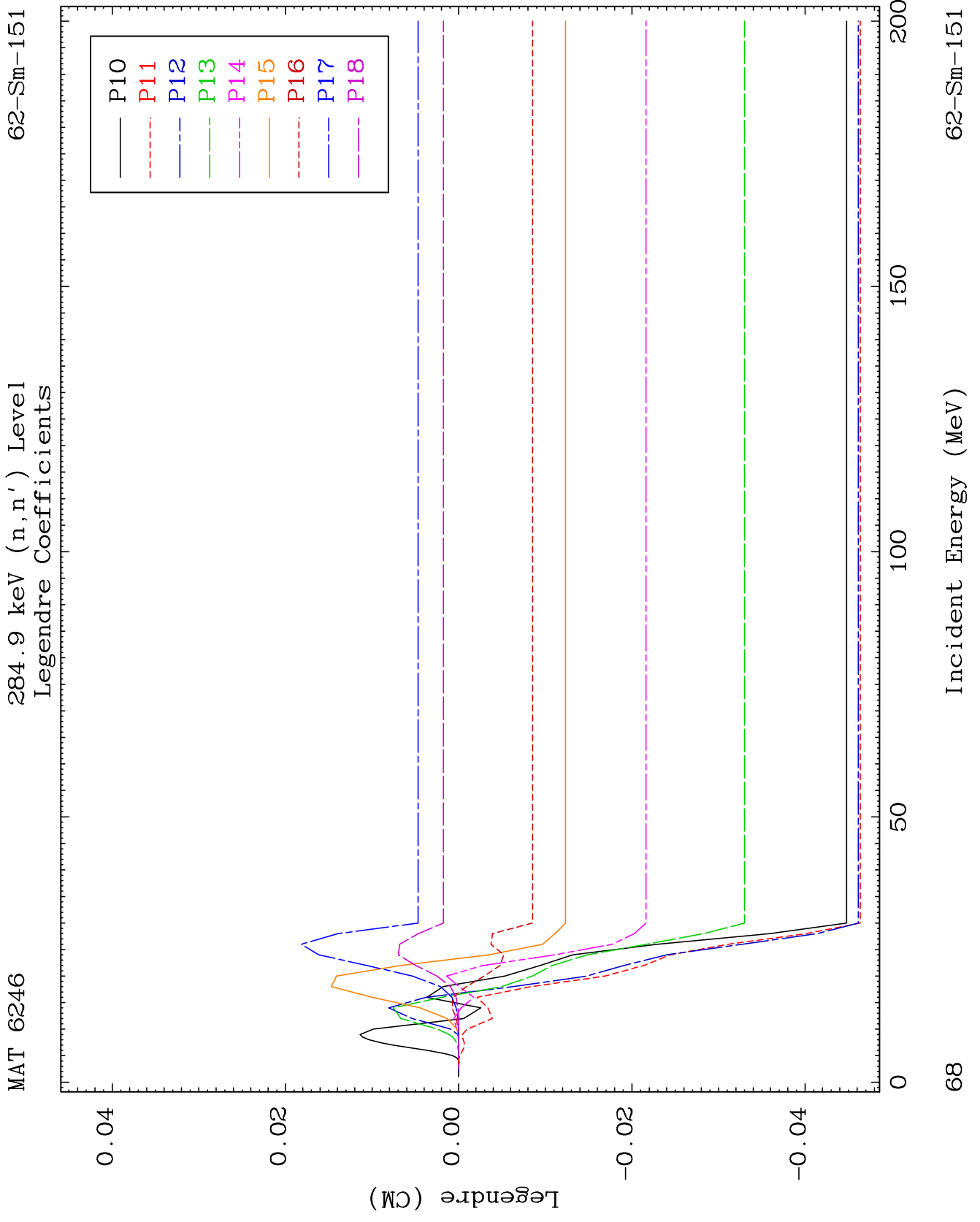
62-Sm-151

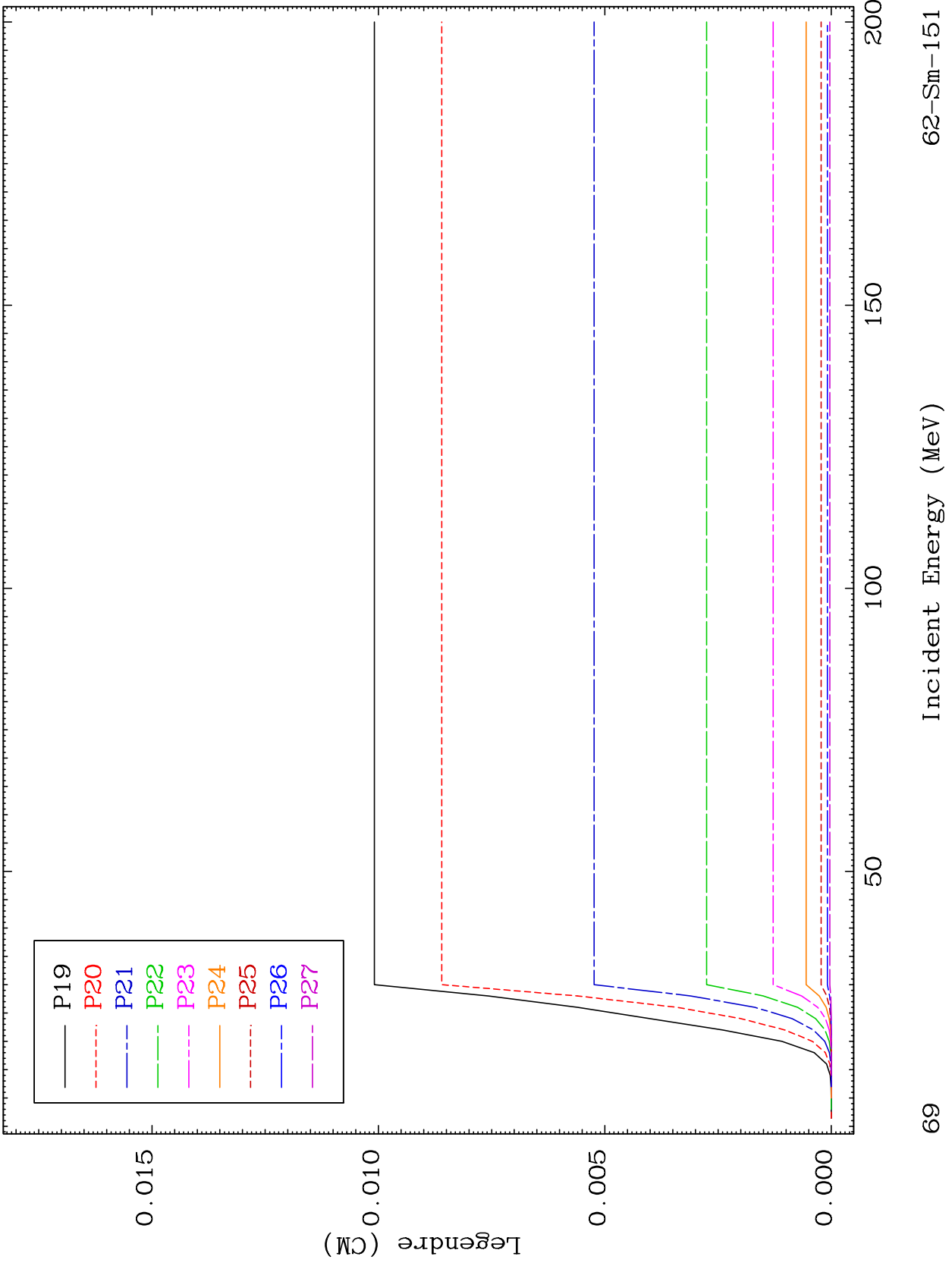


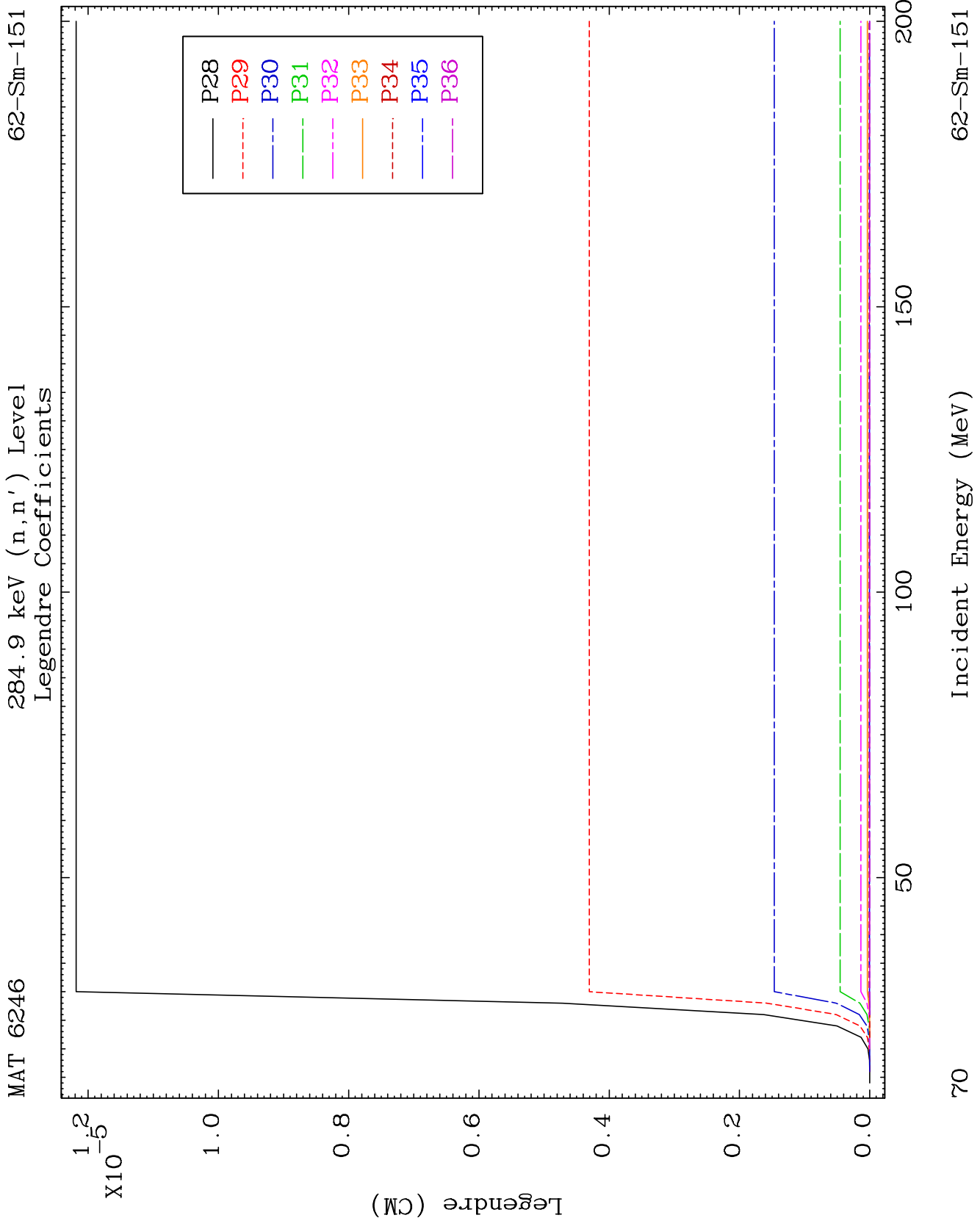
67

Incident Energy (MeV)

62-Sm-151







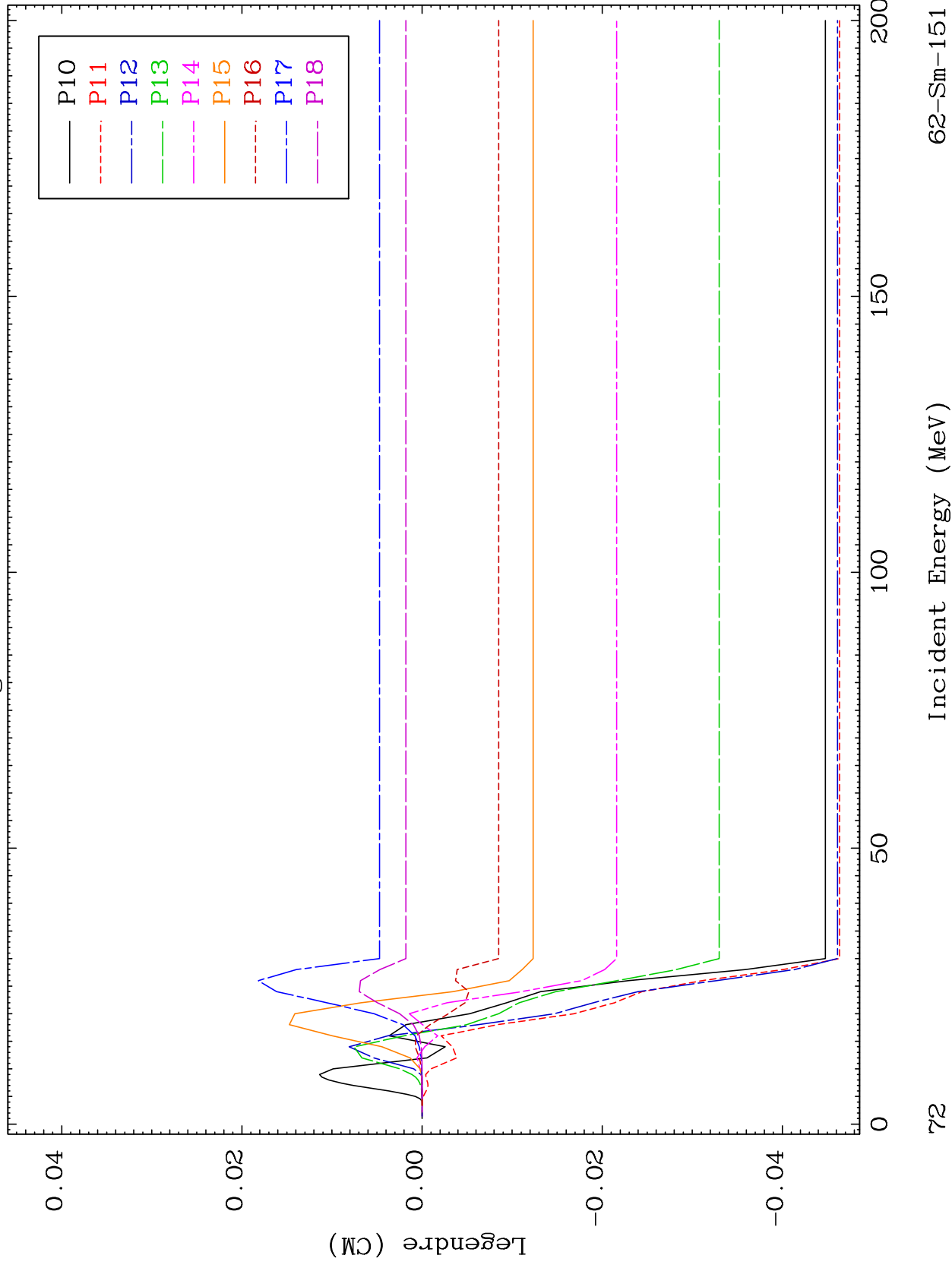




MAT 6246

294.8 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



72

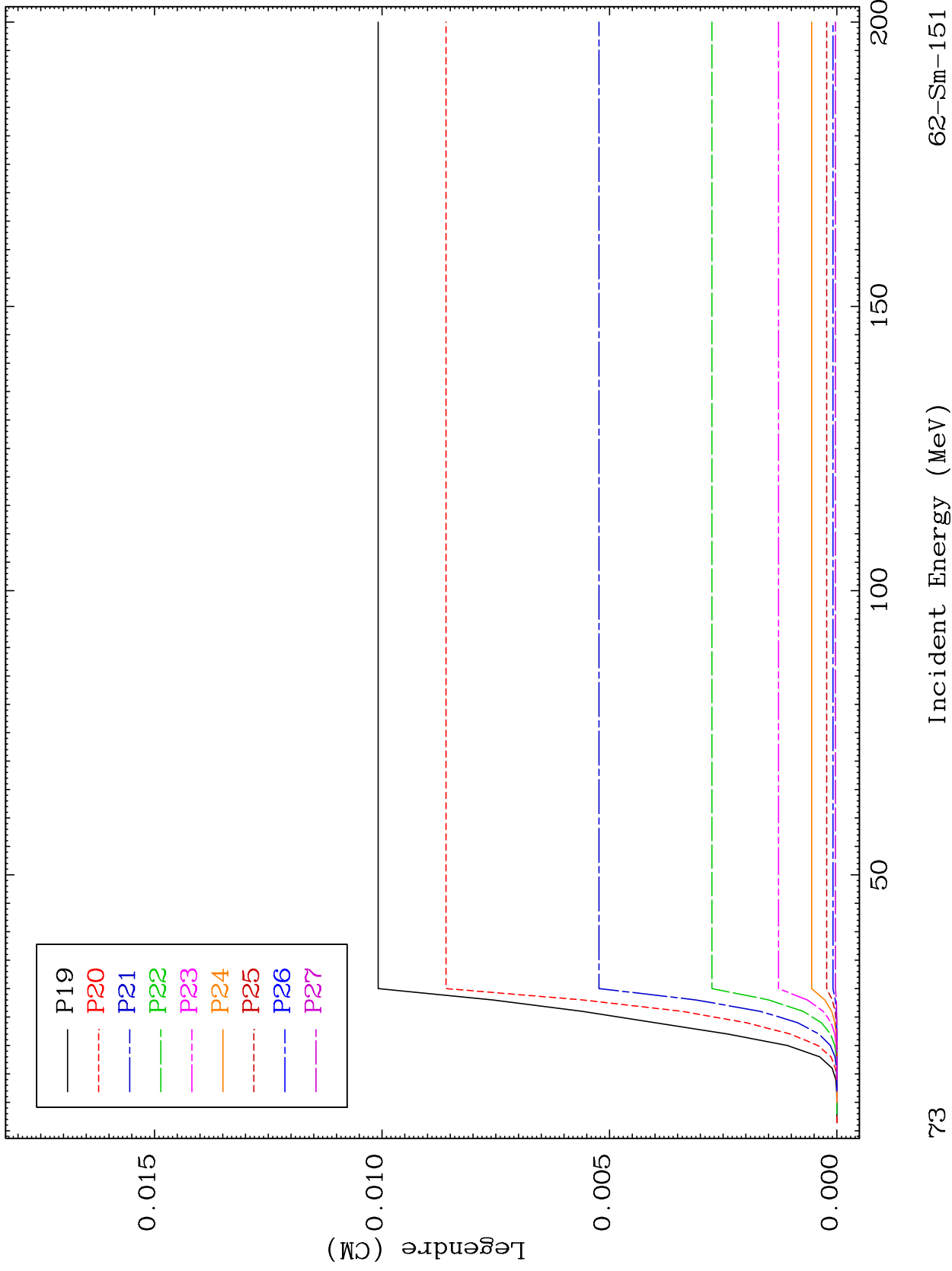
Incident Energy (MeV)

62-Sm-151

MAT 6246

294.8 keV (n,n') Level  
Legendre Coefficients

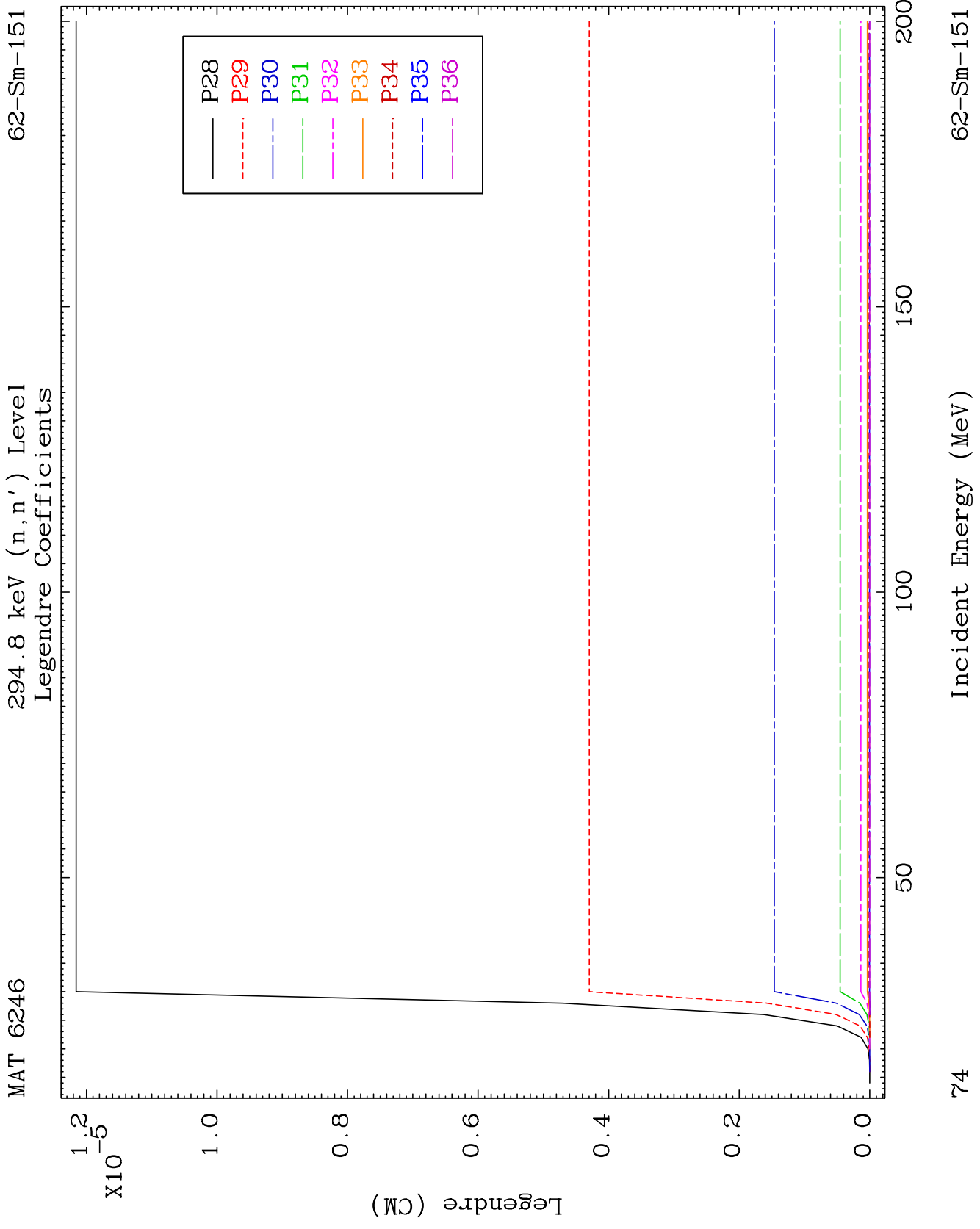
62-Sm-151



73

Incident Energy (MeV)

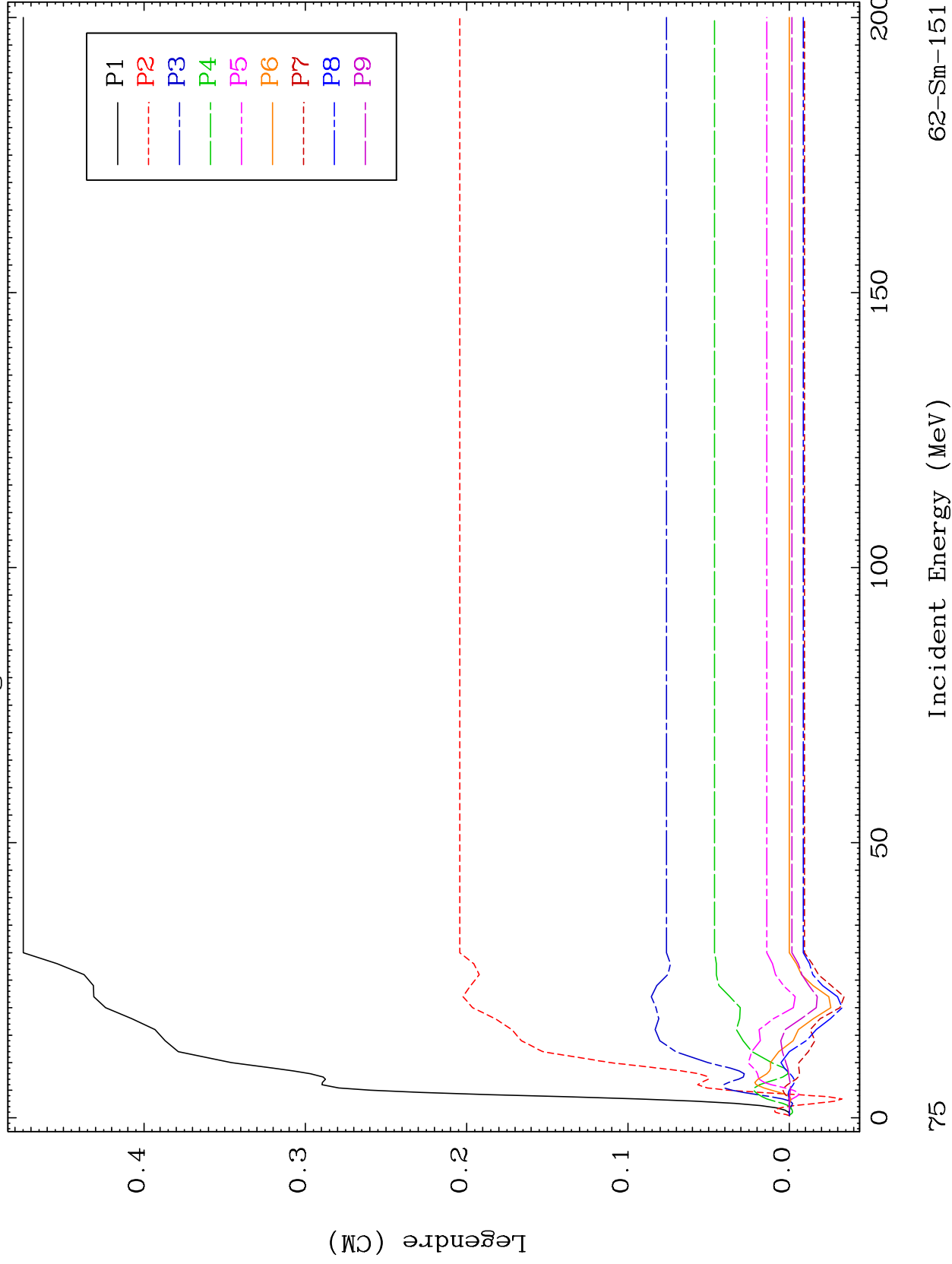
62-Sm-151



MAT 6246

302.6 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

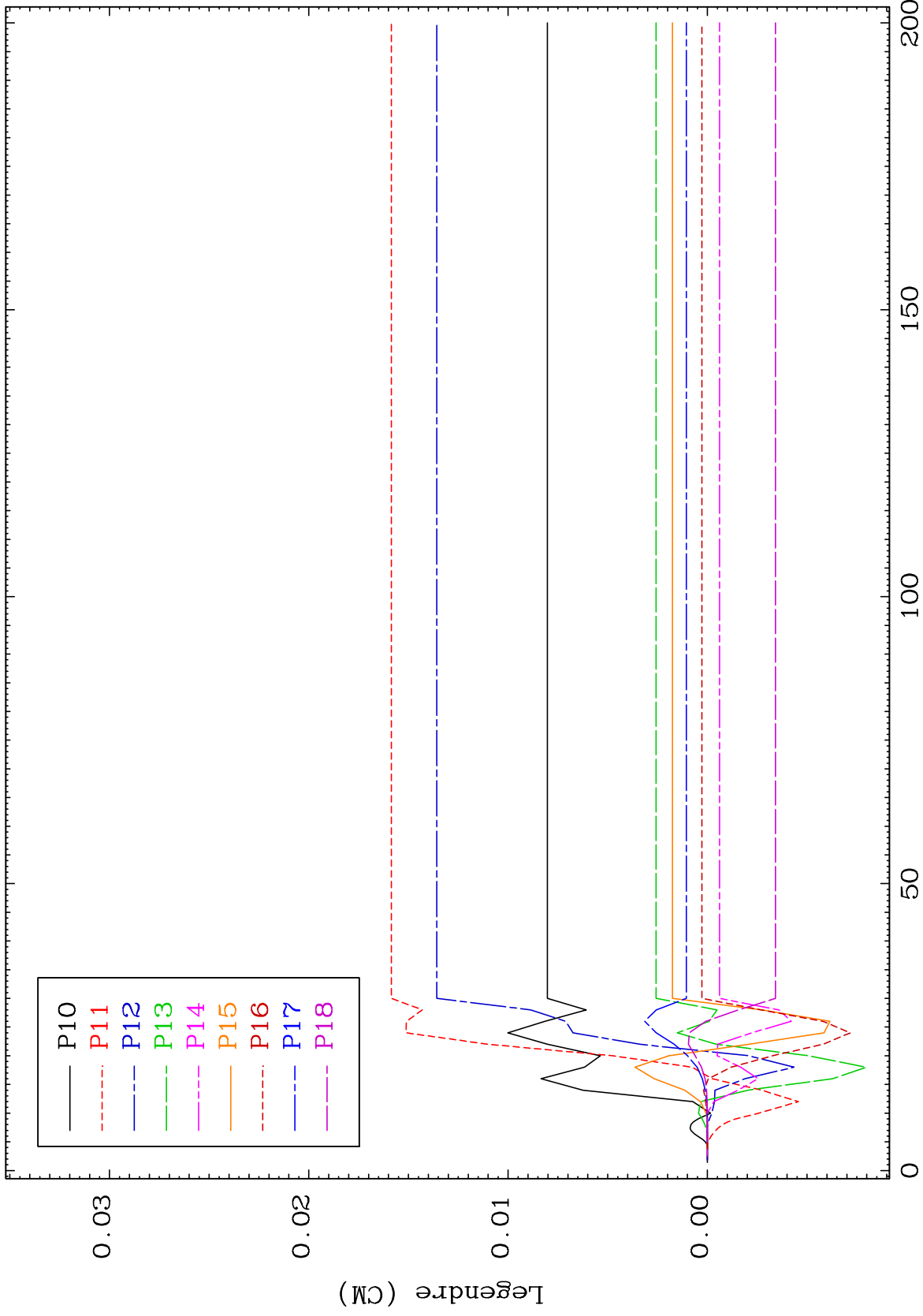
Incident Energy (MeV)

75

MAT 6246

302.6 keV (n,n') Level  
Legendre Coefficients

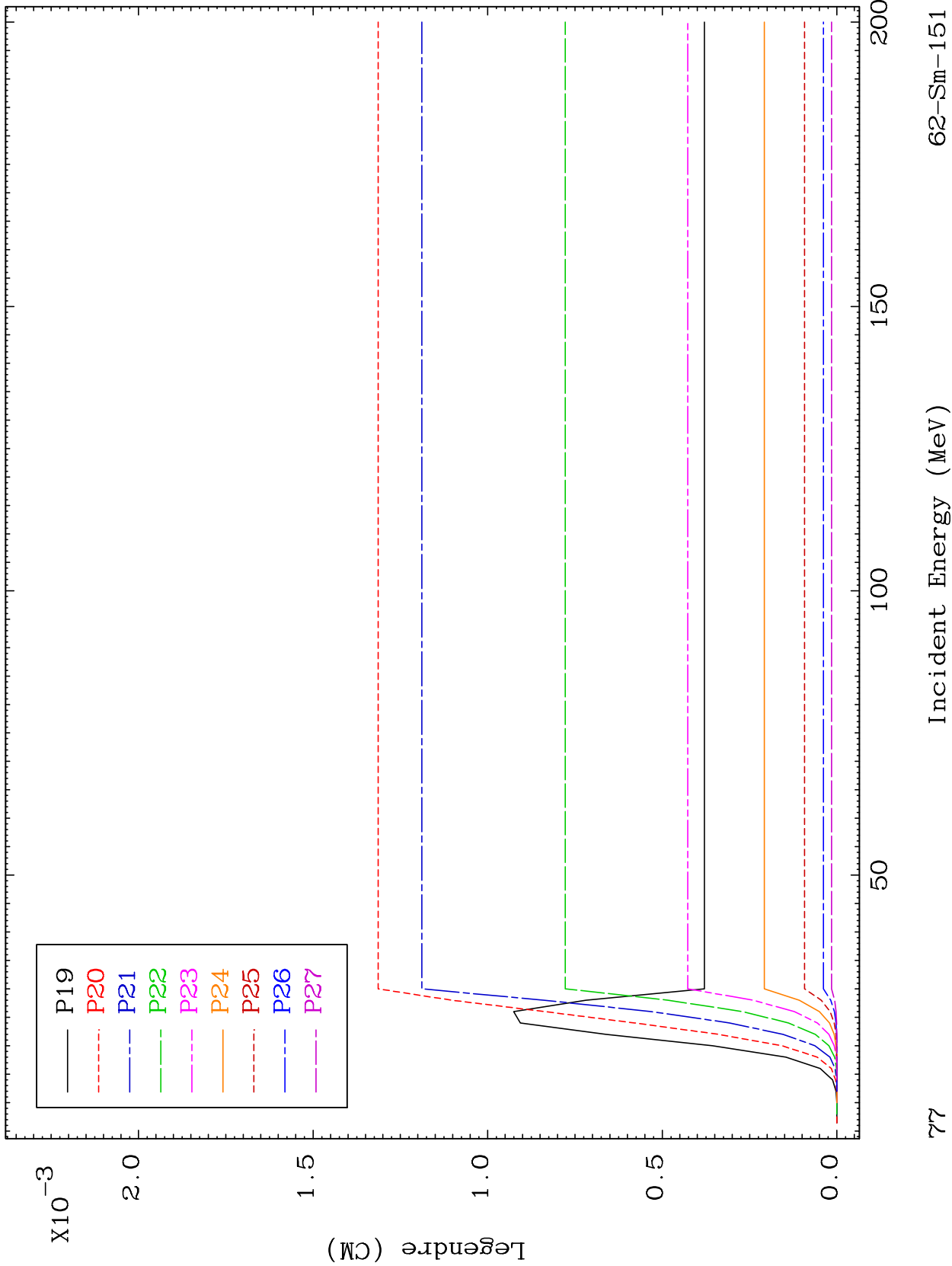
62-Sm-151

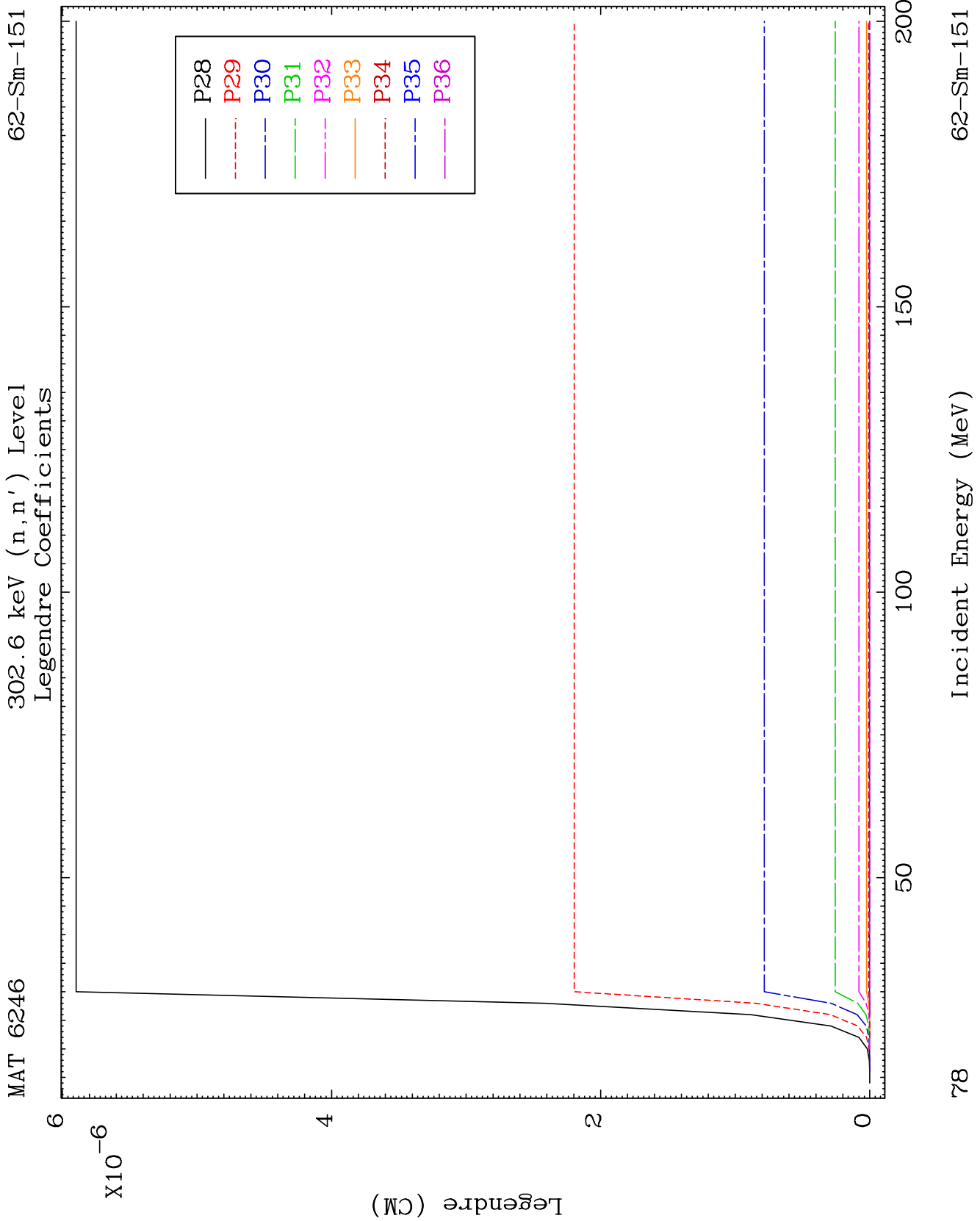


76

Incident Energy (MeV)

62-Sm-151

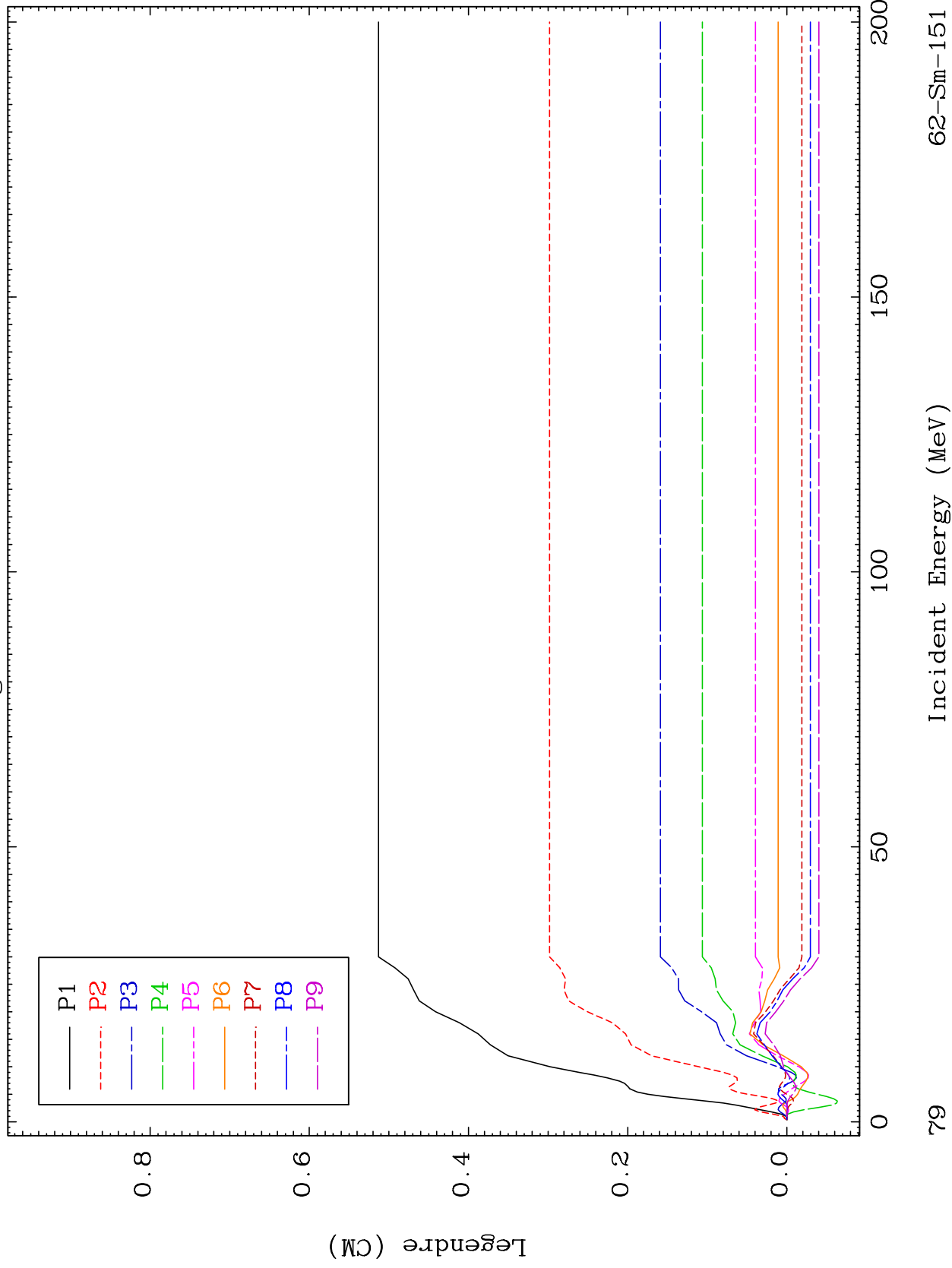




MAT 6246

306.8 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



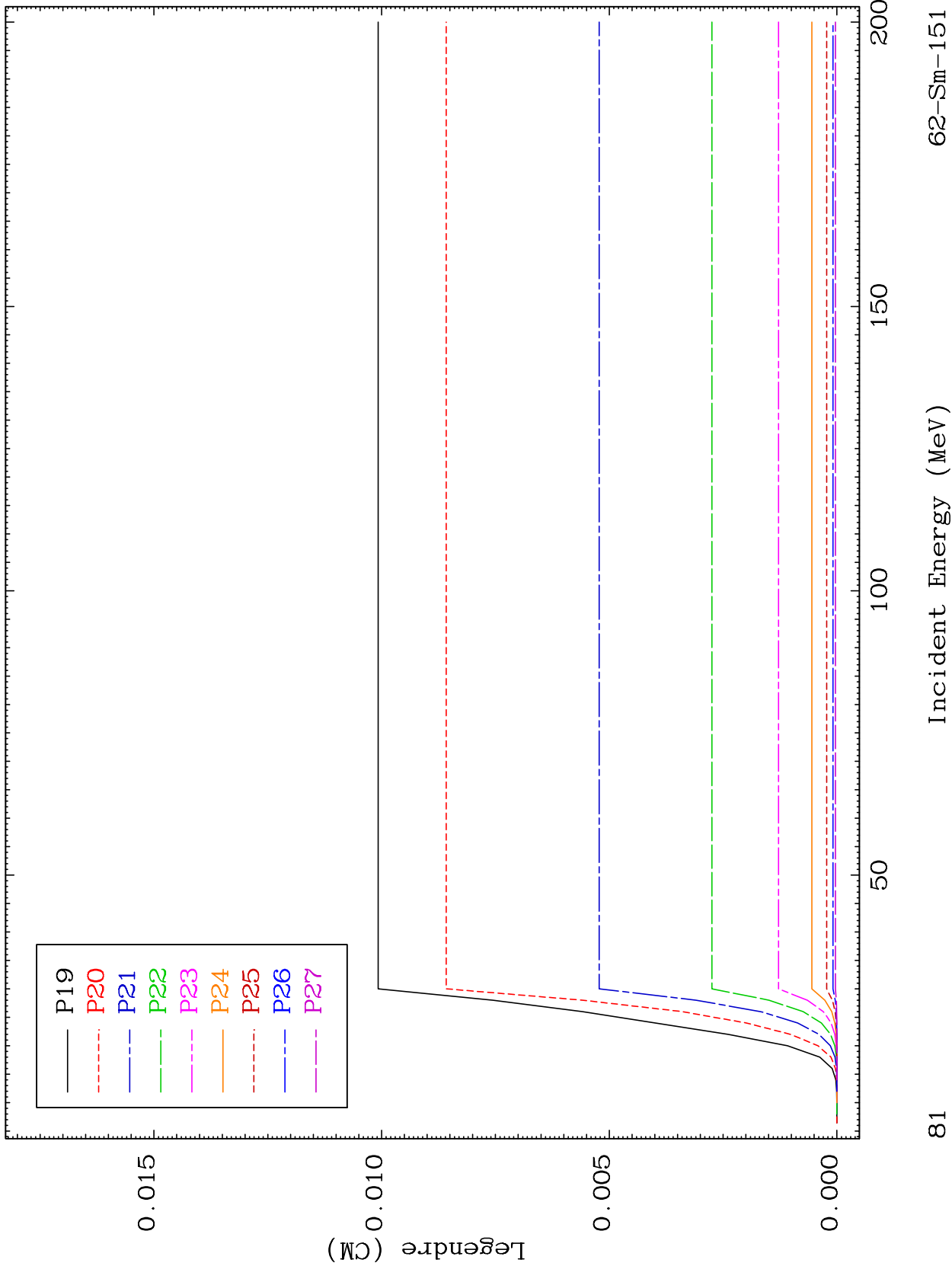
62-Sm-151

Incident Energy (MeV)

79



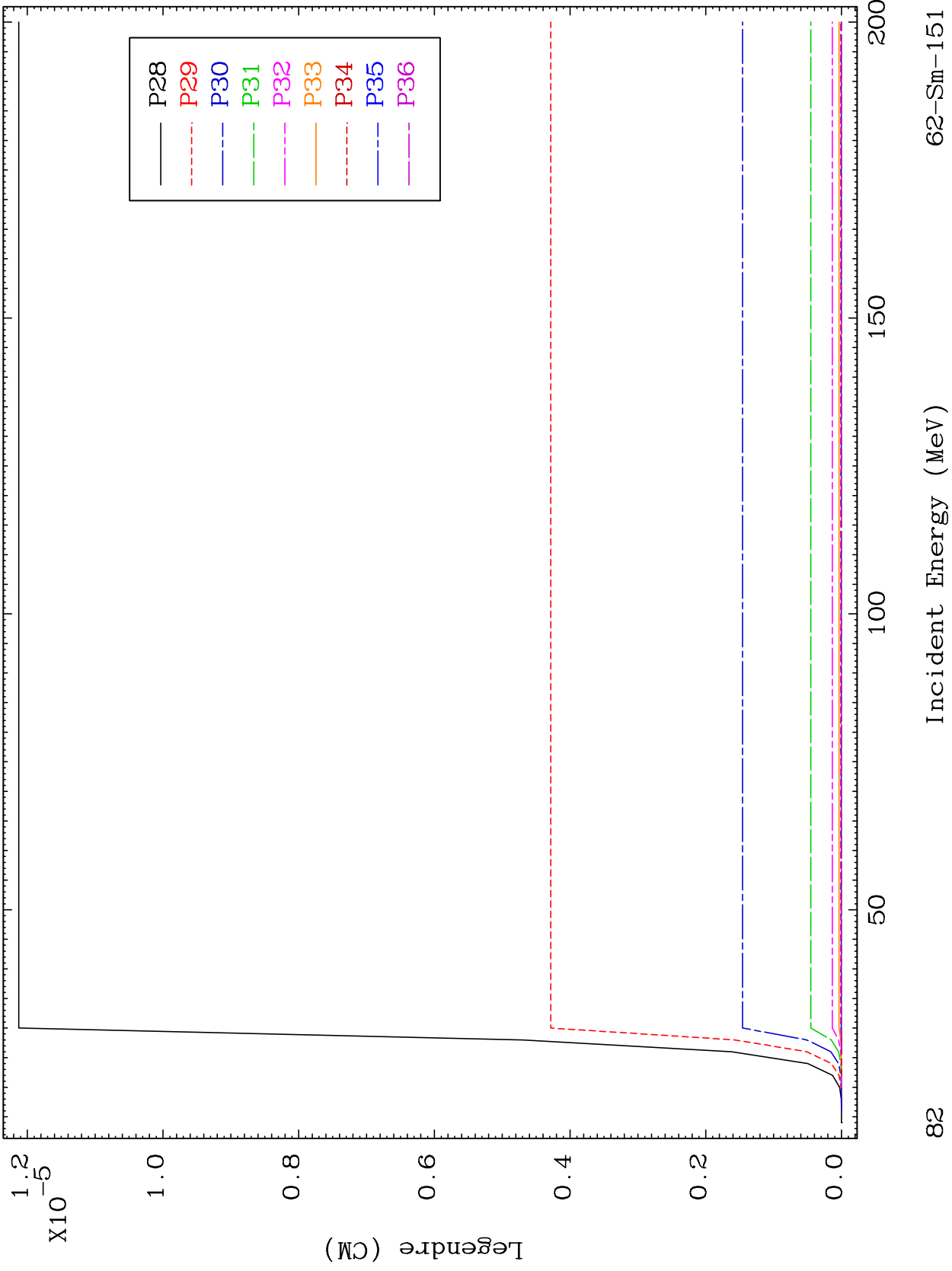




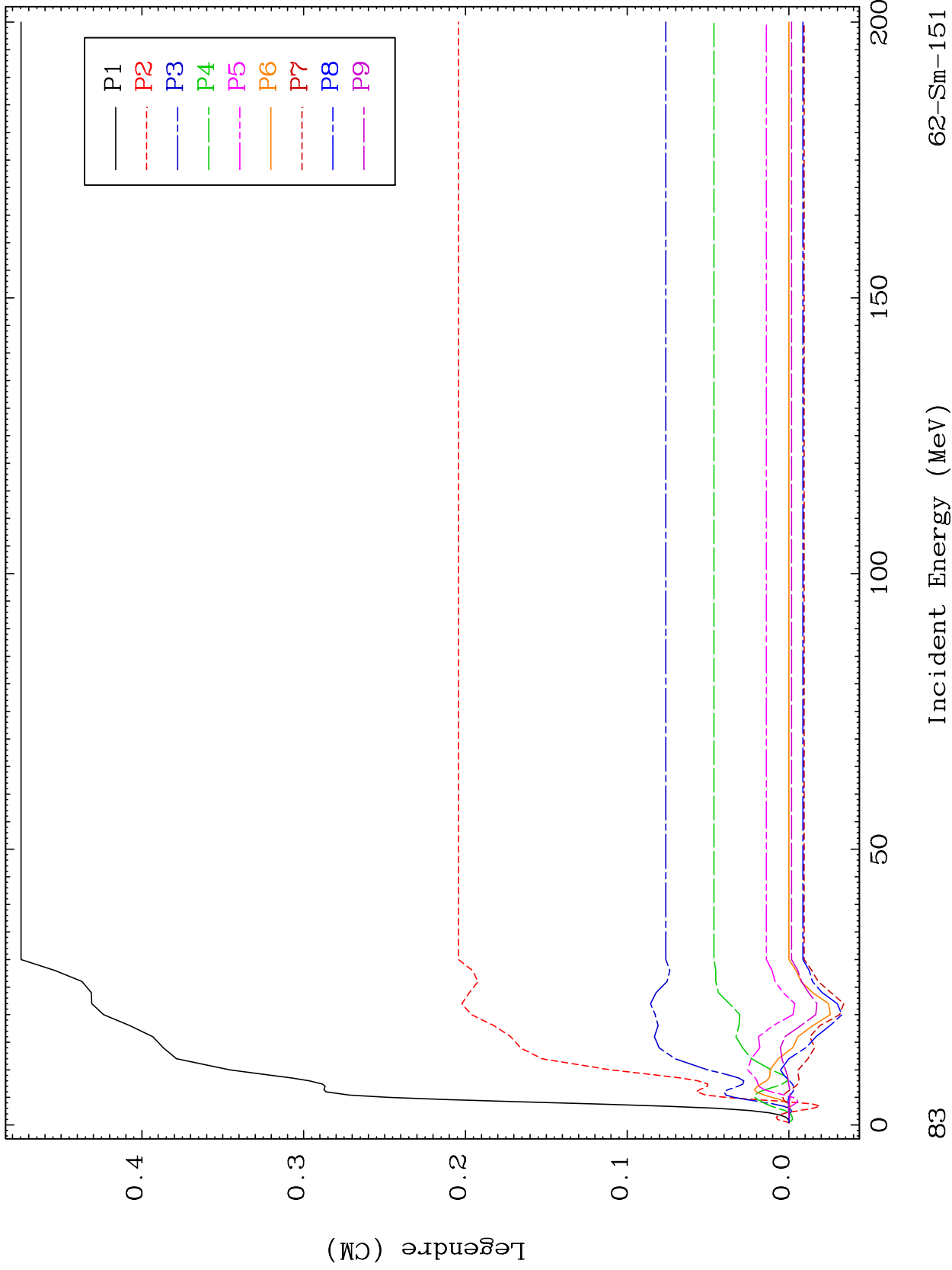
MAT 6246

306.8 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



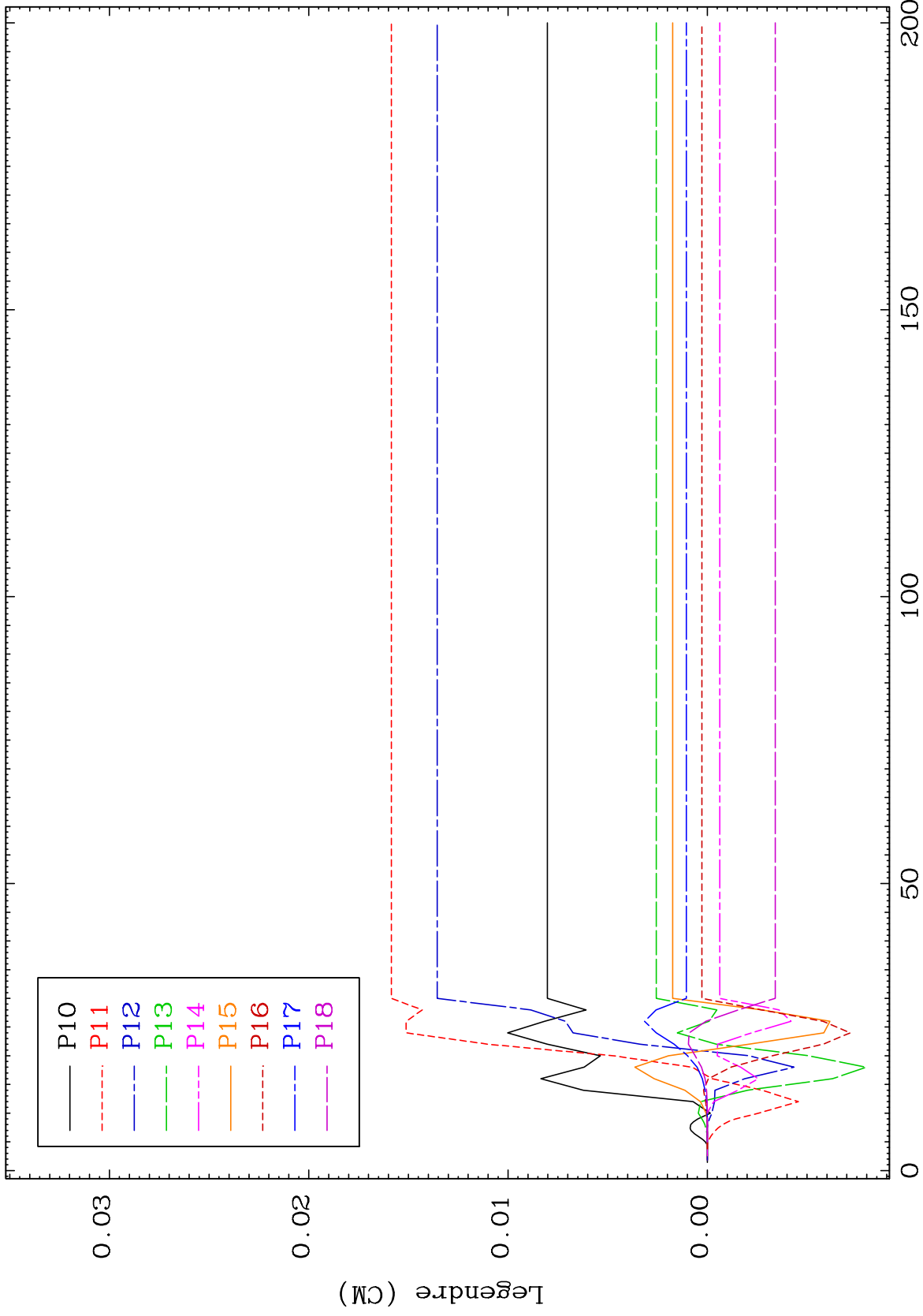
82



MAT 6246

313.8 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



84

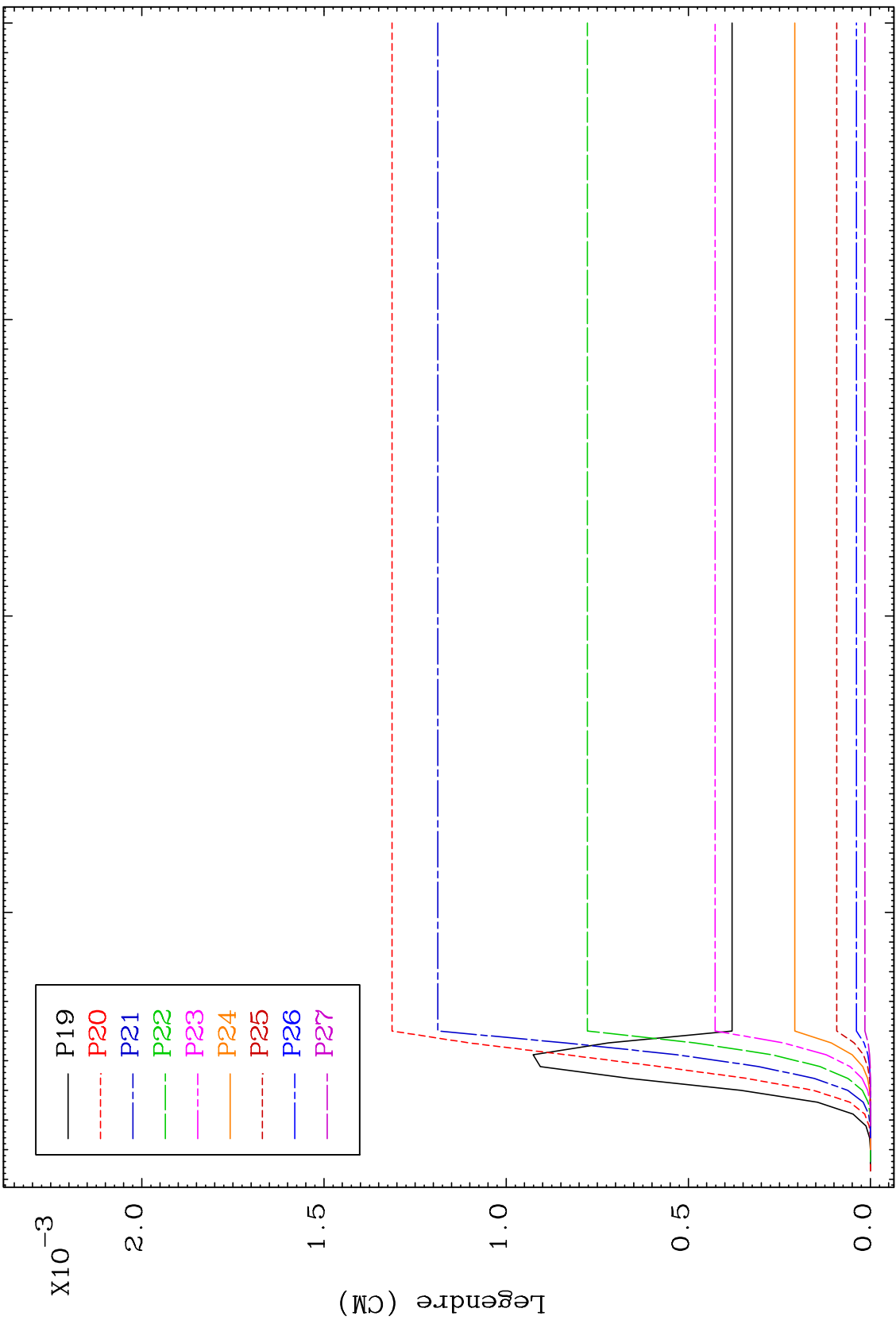
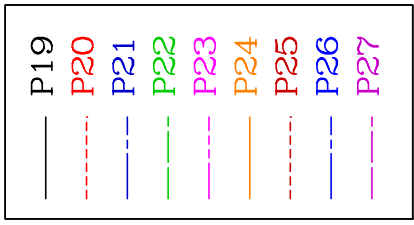
Incident Energy (MeV)

62-Sm-151

MAT 6246

313.8 keV (n, n') Level  
Legendre Coefficients

62-Sm-151



85

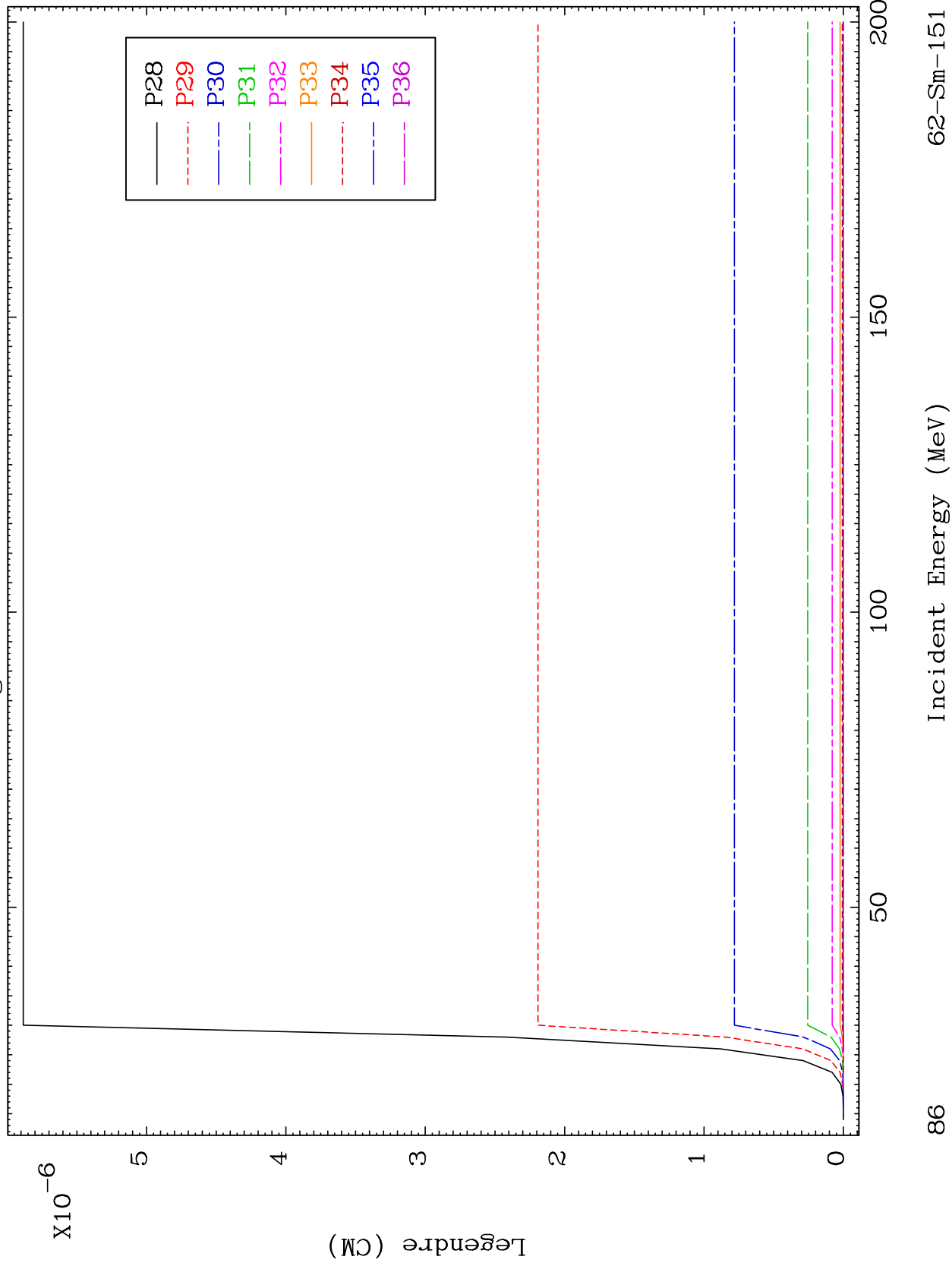
Incident Energy (MeV)

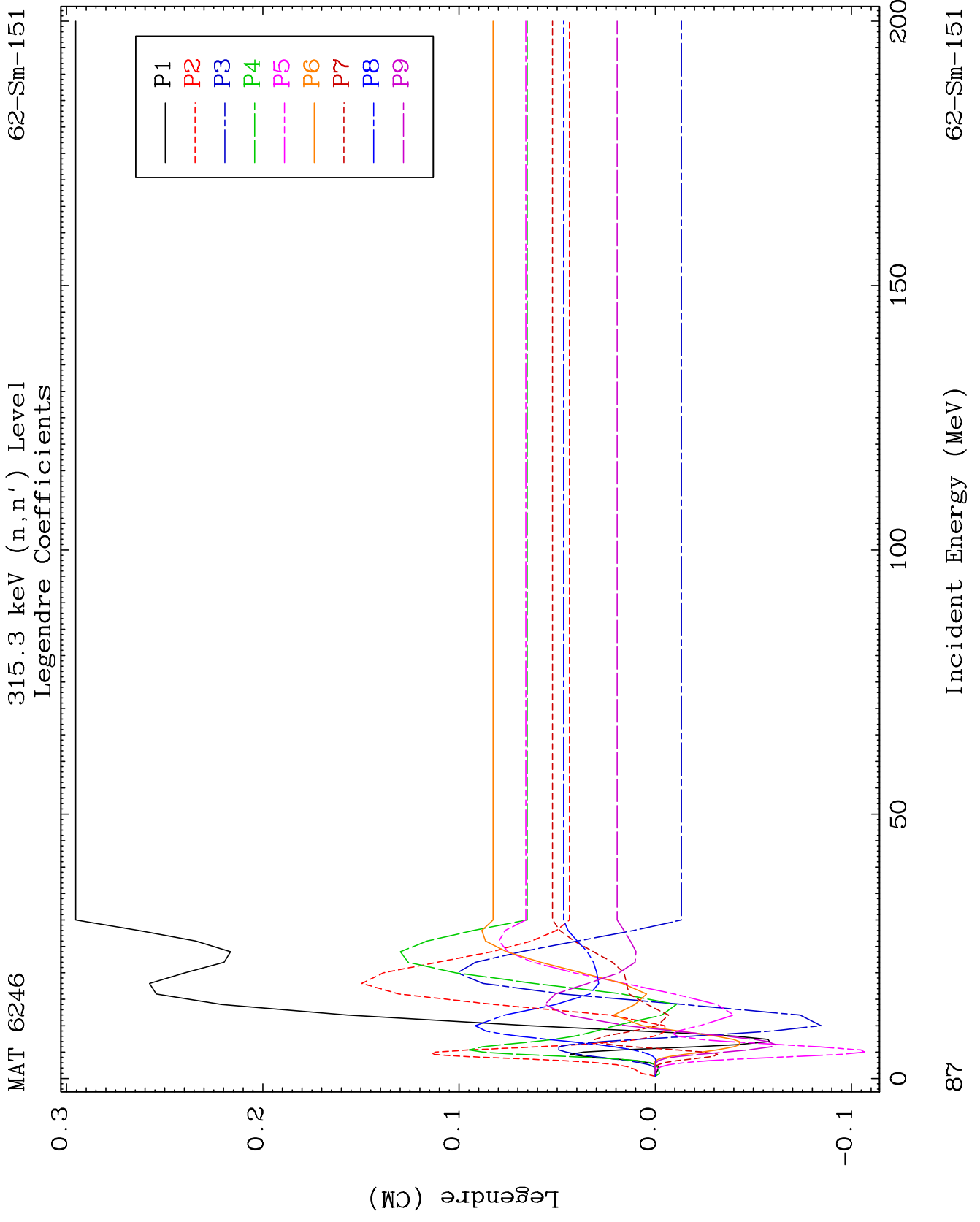
62-Sm-151

MAT 6246

313.8 keV (n,n') Level  
Legendre Coefficients

62-Sm-151





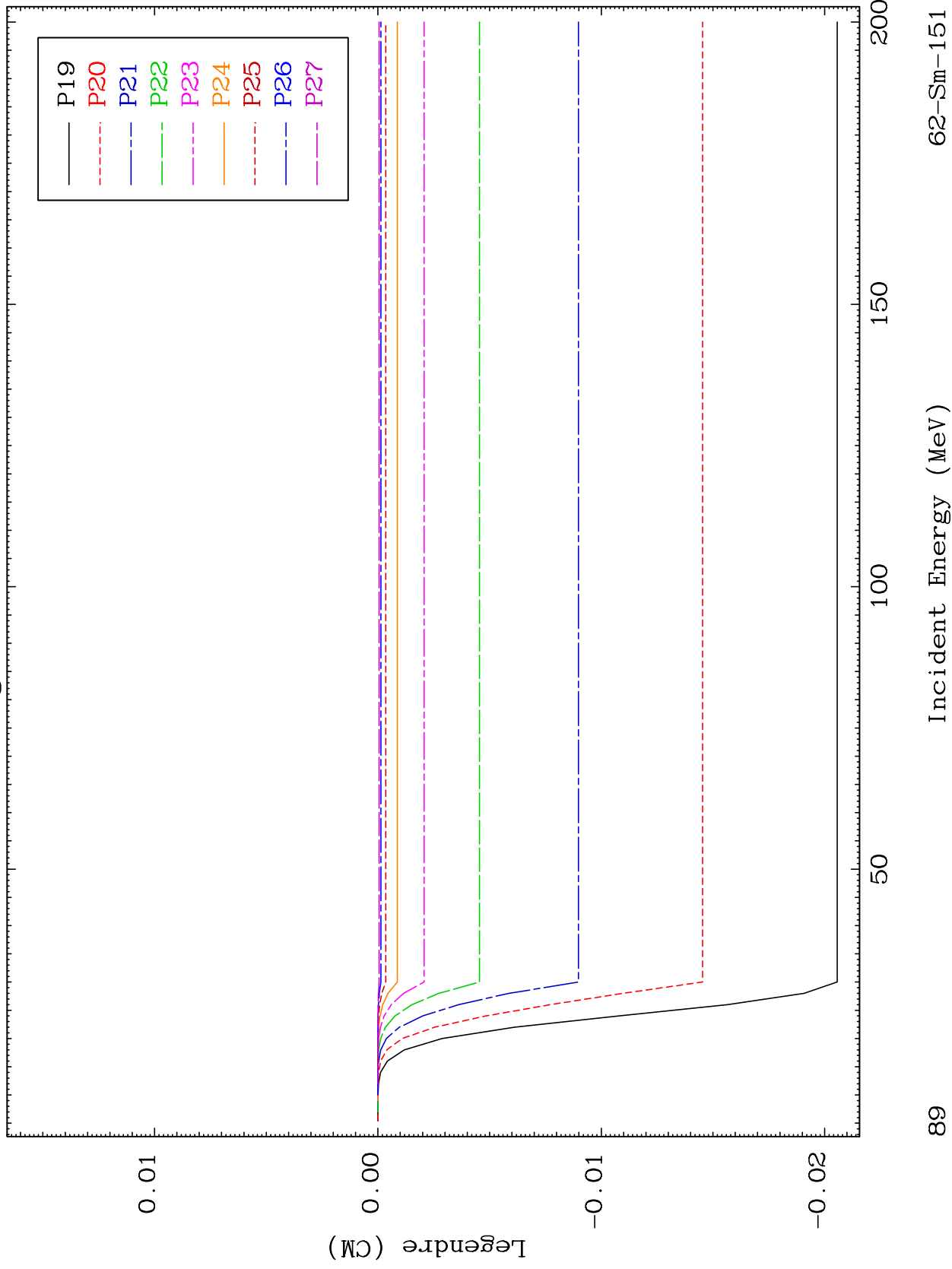




MAT 6246

315.3 keV (n,n') Level  
Legendre Coefficients

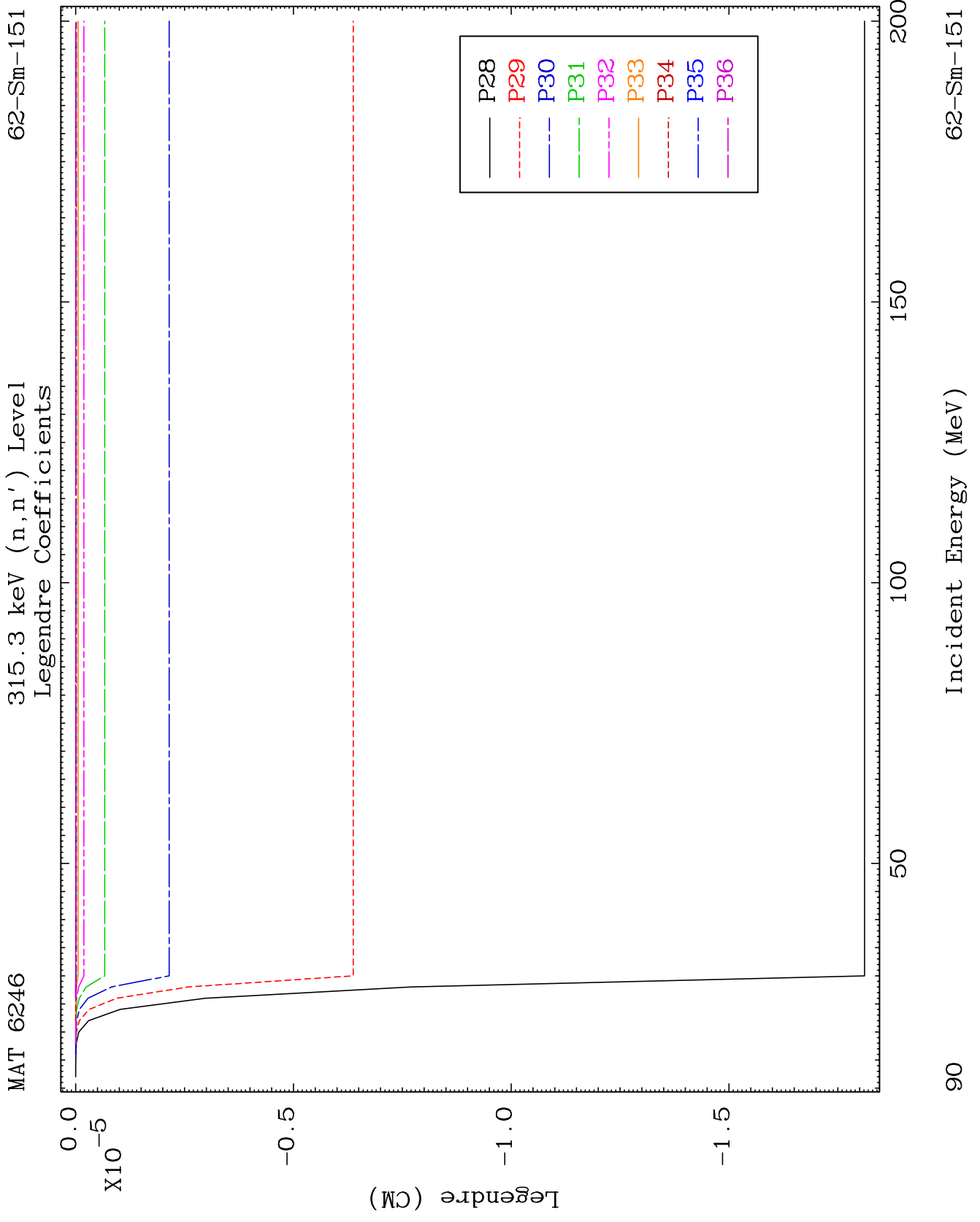
62-Sm-151



89

Incident Energy (MeV)

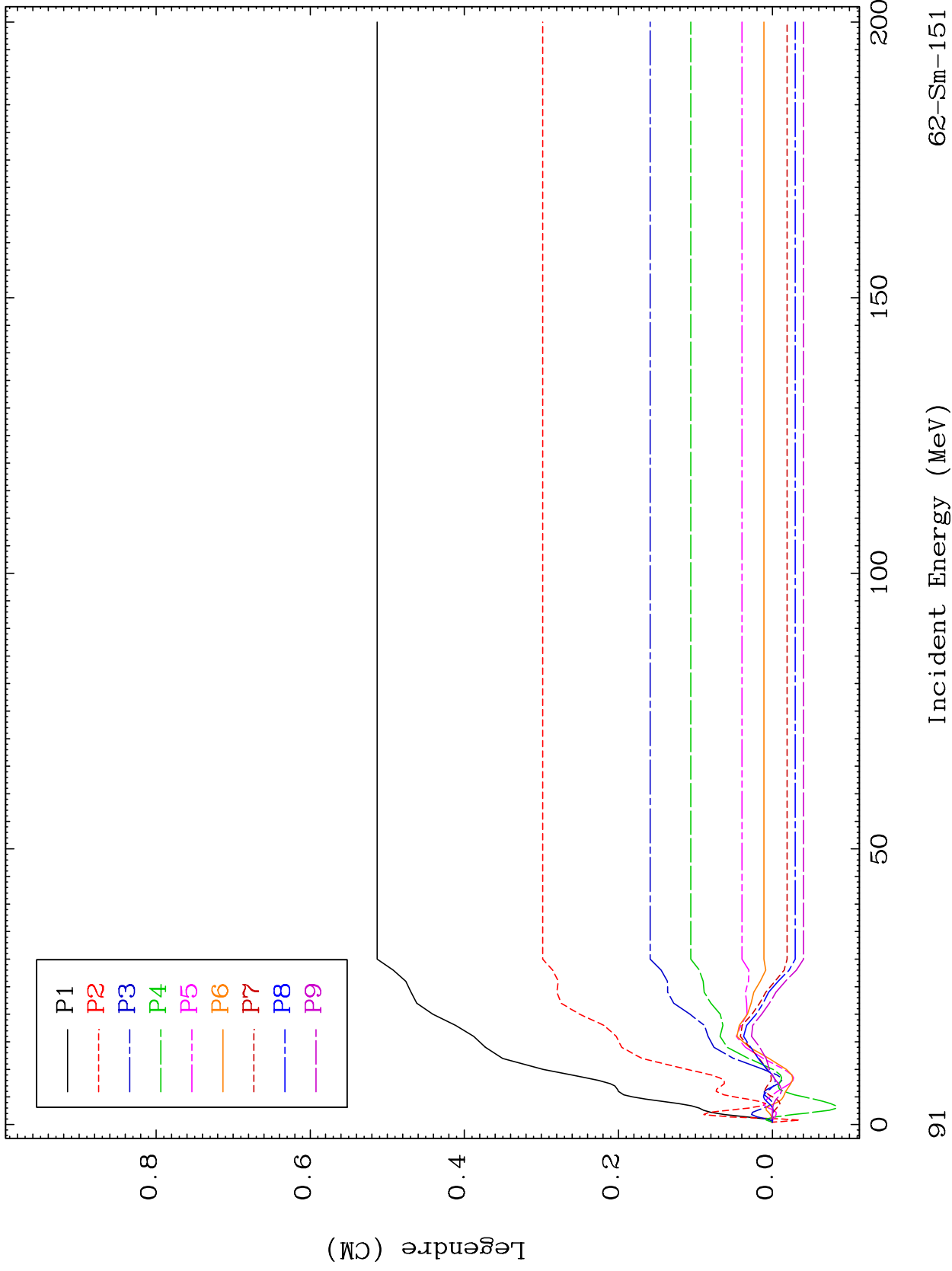
62-Sm-151



MAT 6246

323.9 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

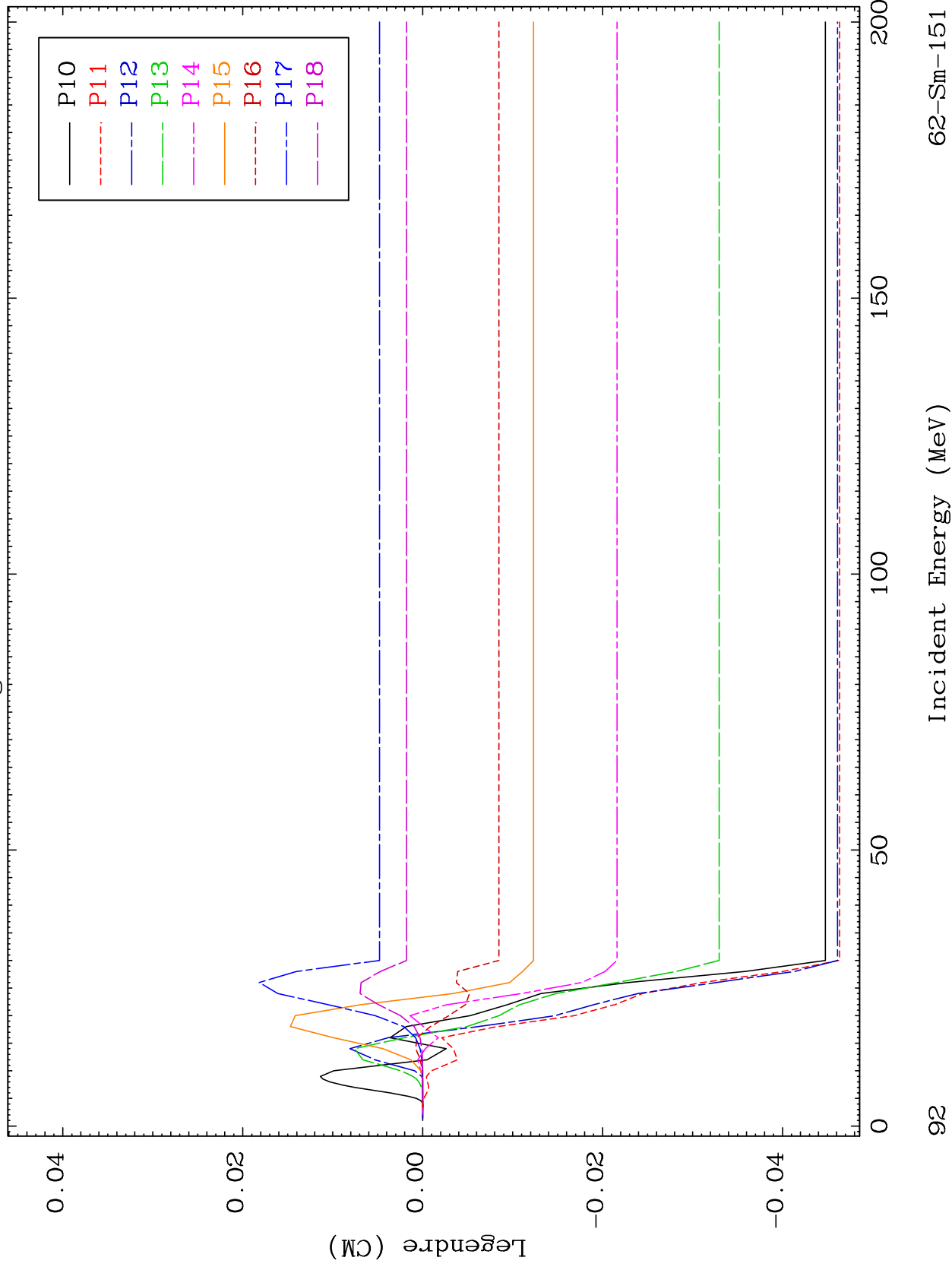
Incident Energy (MeV)

91

MAT 6246

323.9 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



92

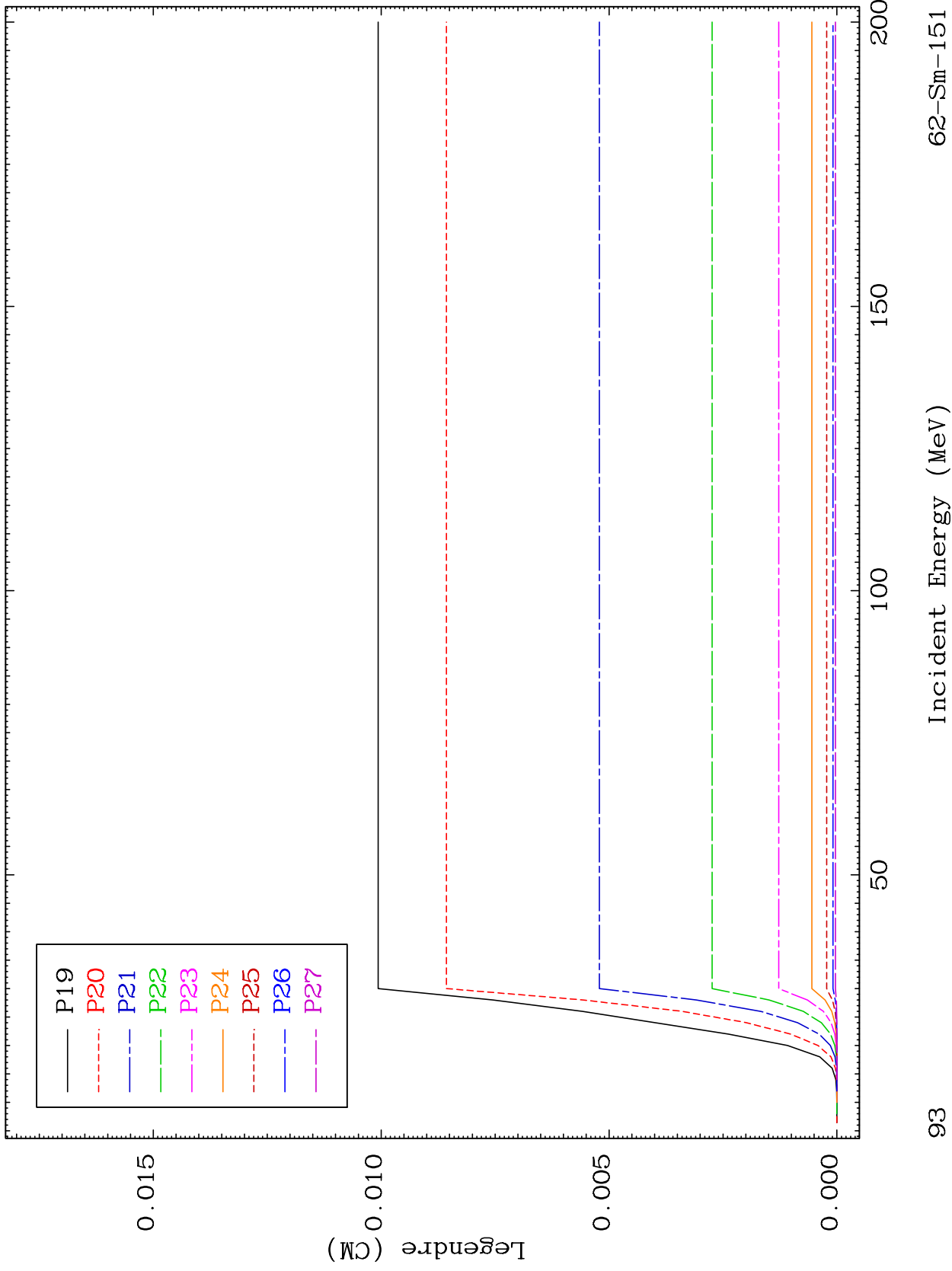
Incident Energy (MeV)

62-Sm-151

MAT 6246

323.9 keV (n,n') Level  
Legendre Coefficients

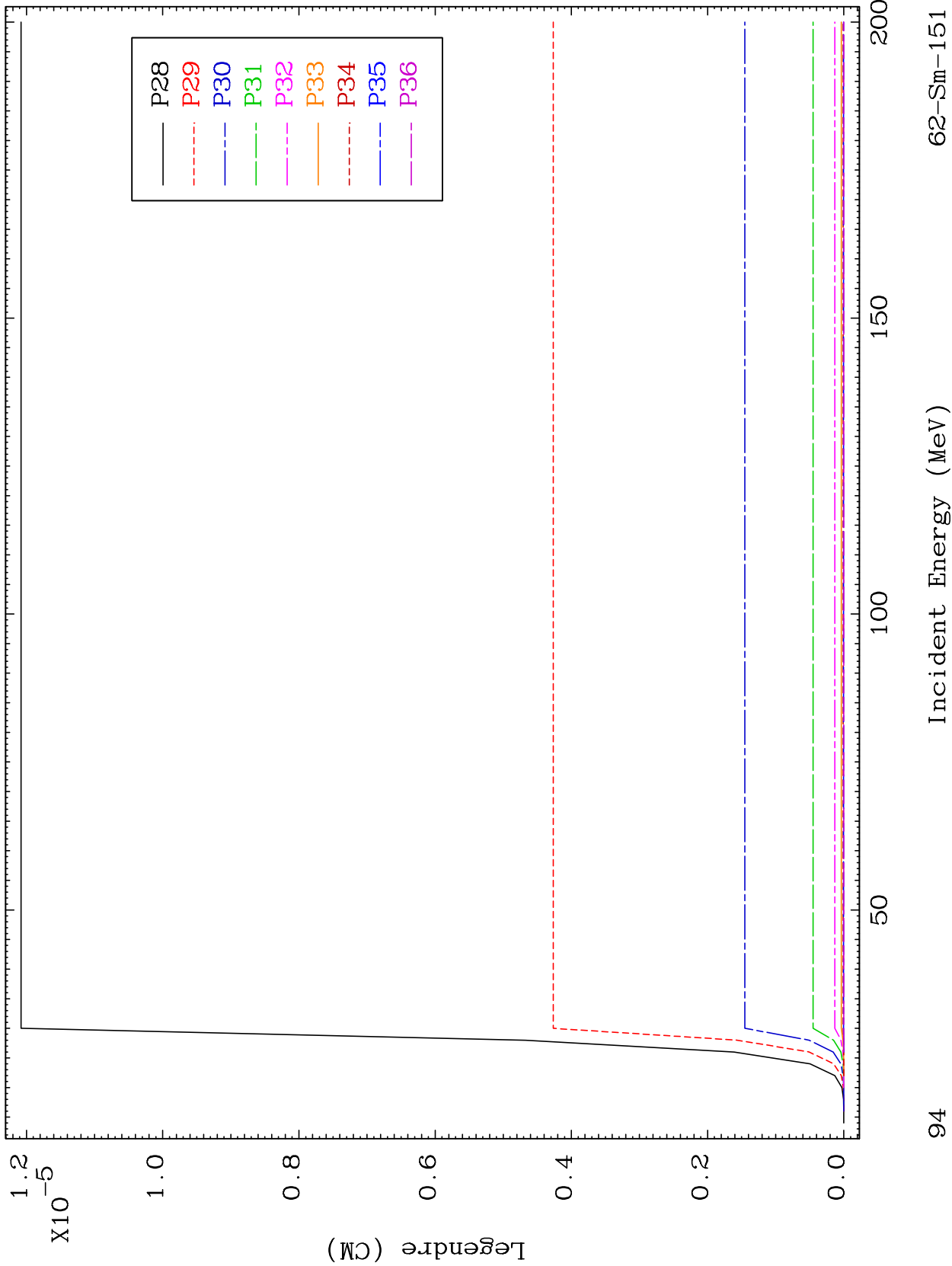
62-Sm-151



93

Incident Energy (MeV)

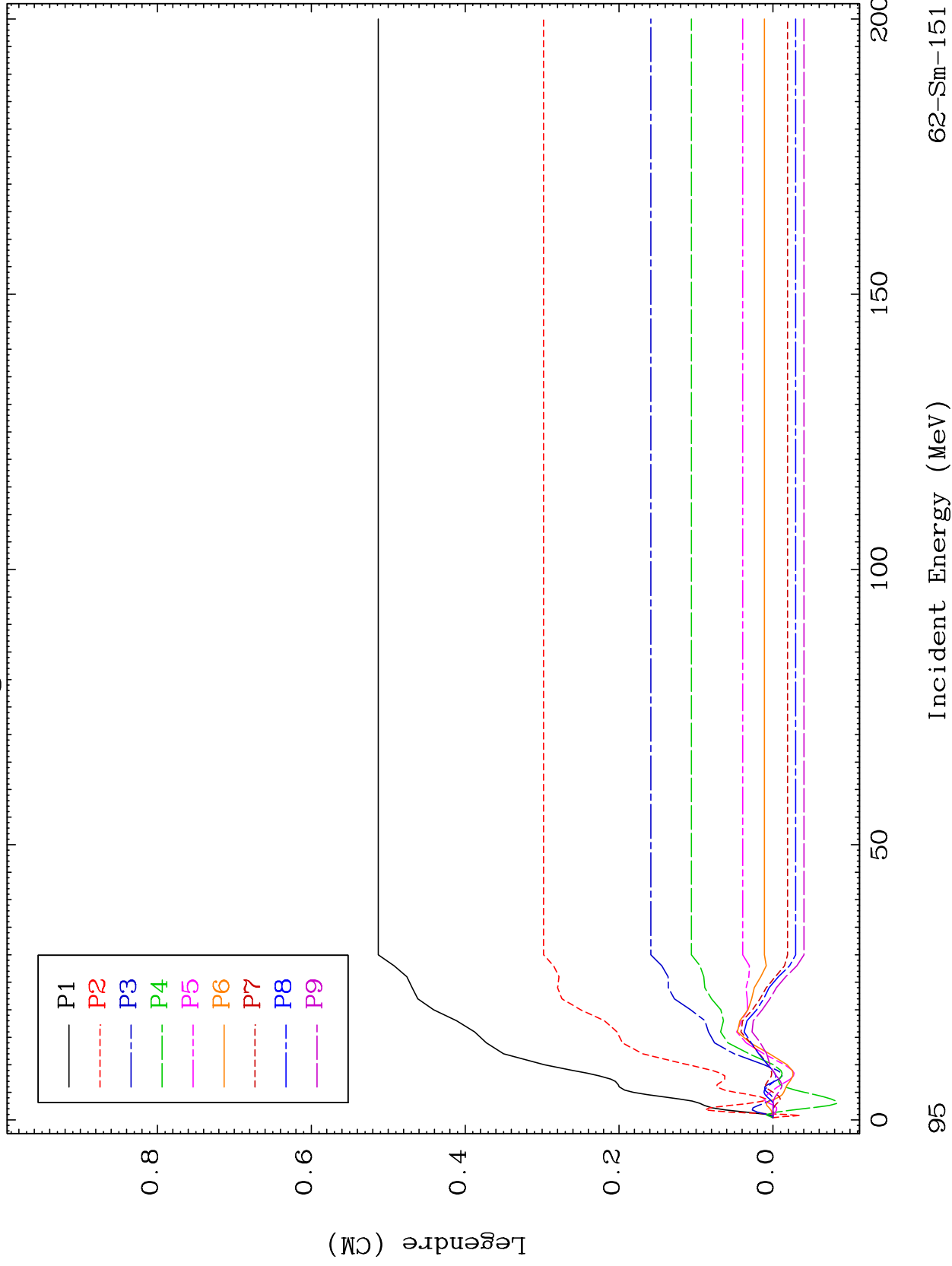
62-Sm-151



MAT 6246

344.9 keV (n, n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

Incident Energy (MeV)

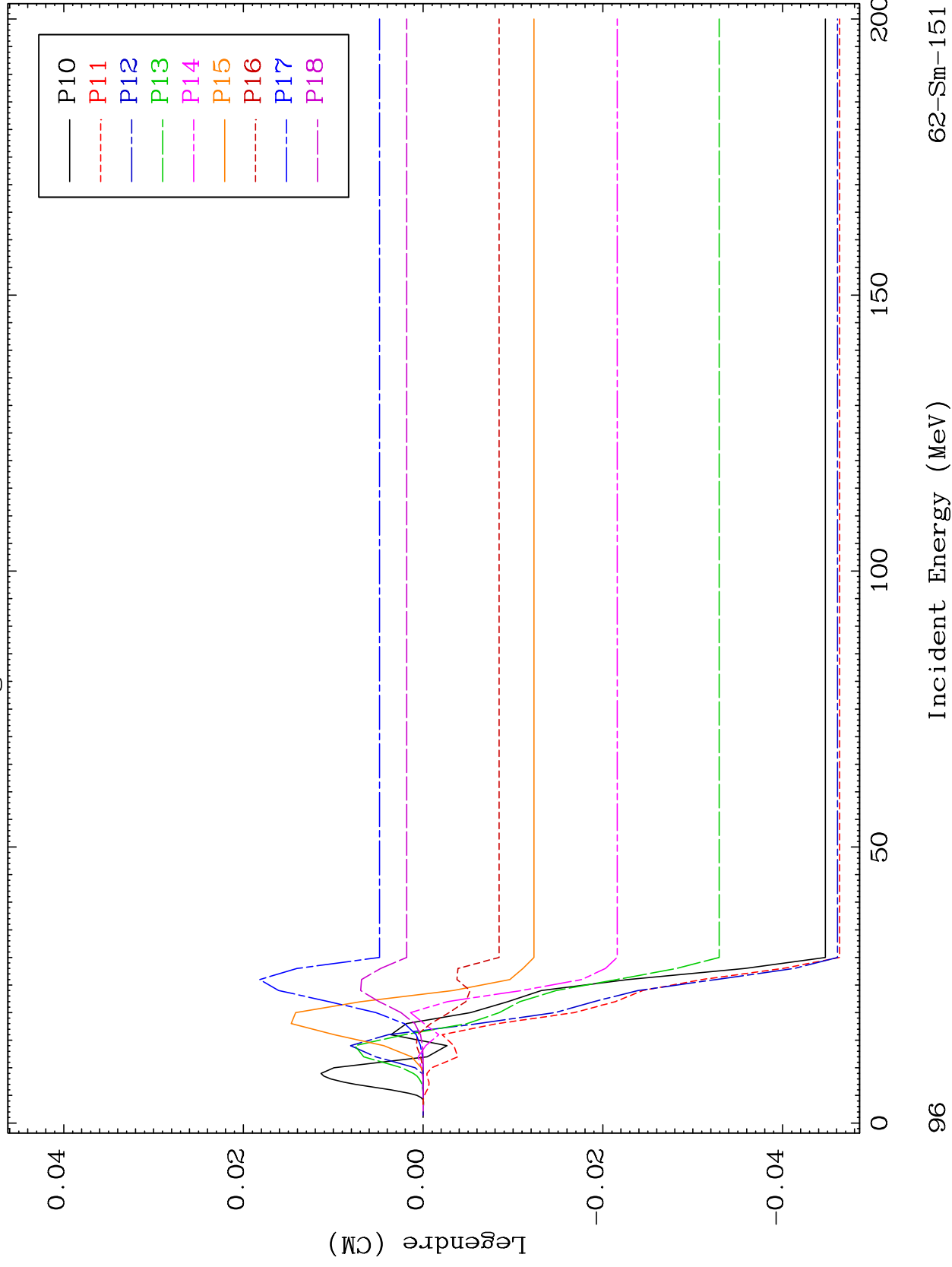
95



MAT 6246

344.9 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

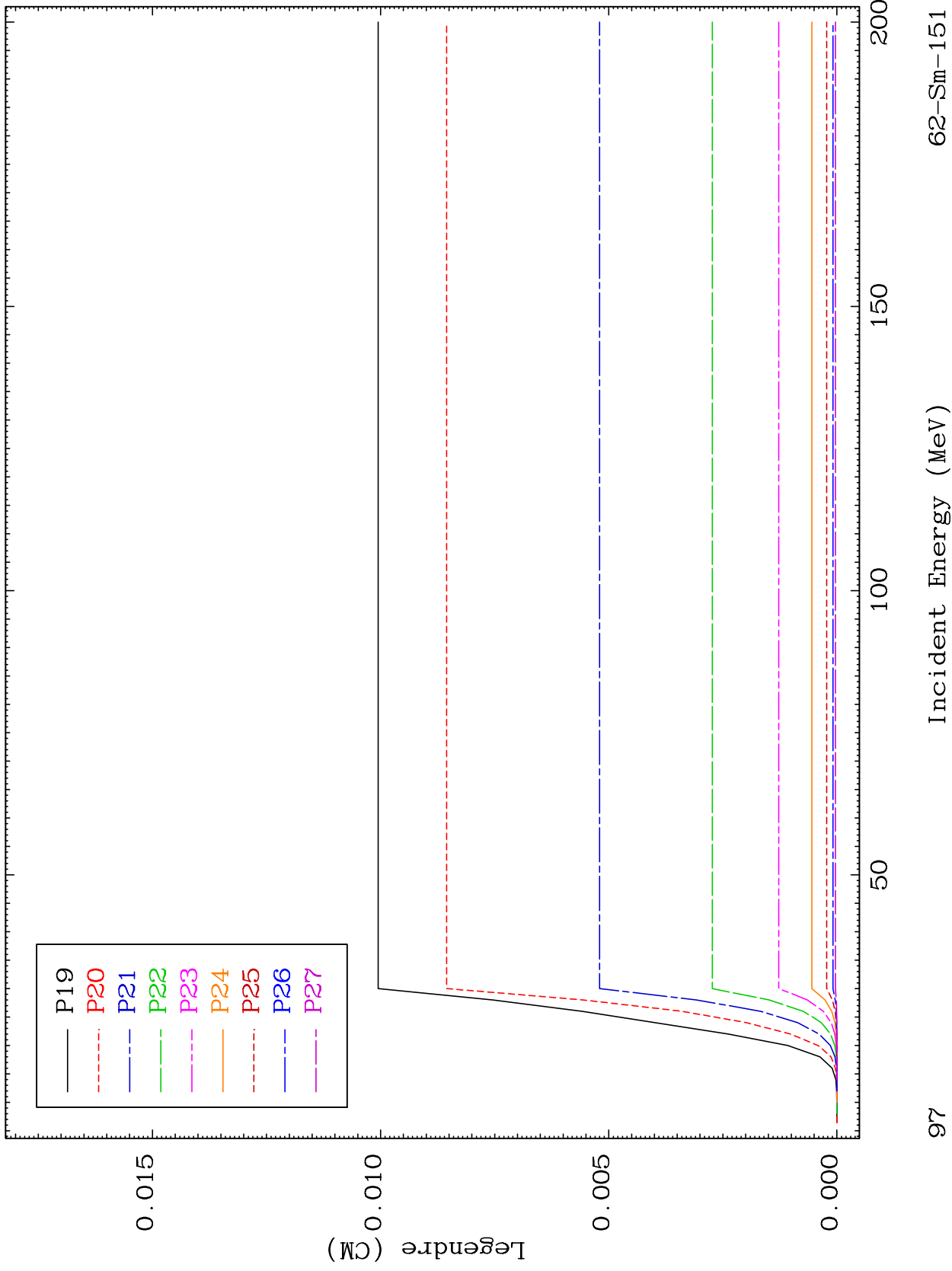
Incident Energy (MeV)

96

MAT 6246

344.9 keV (n, n') Level  
Legendre Coefficients

62-Sm-151



97

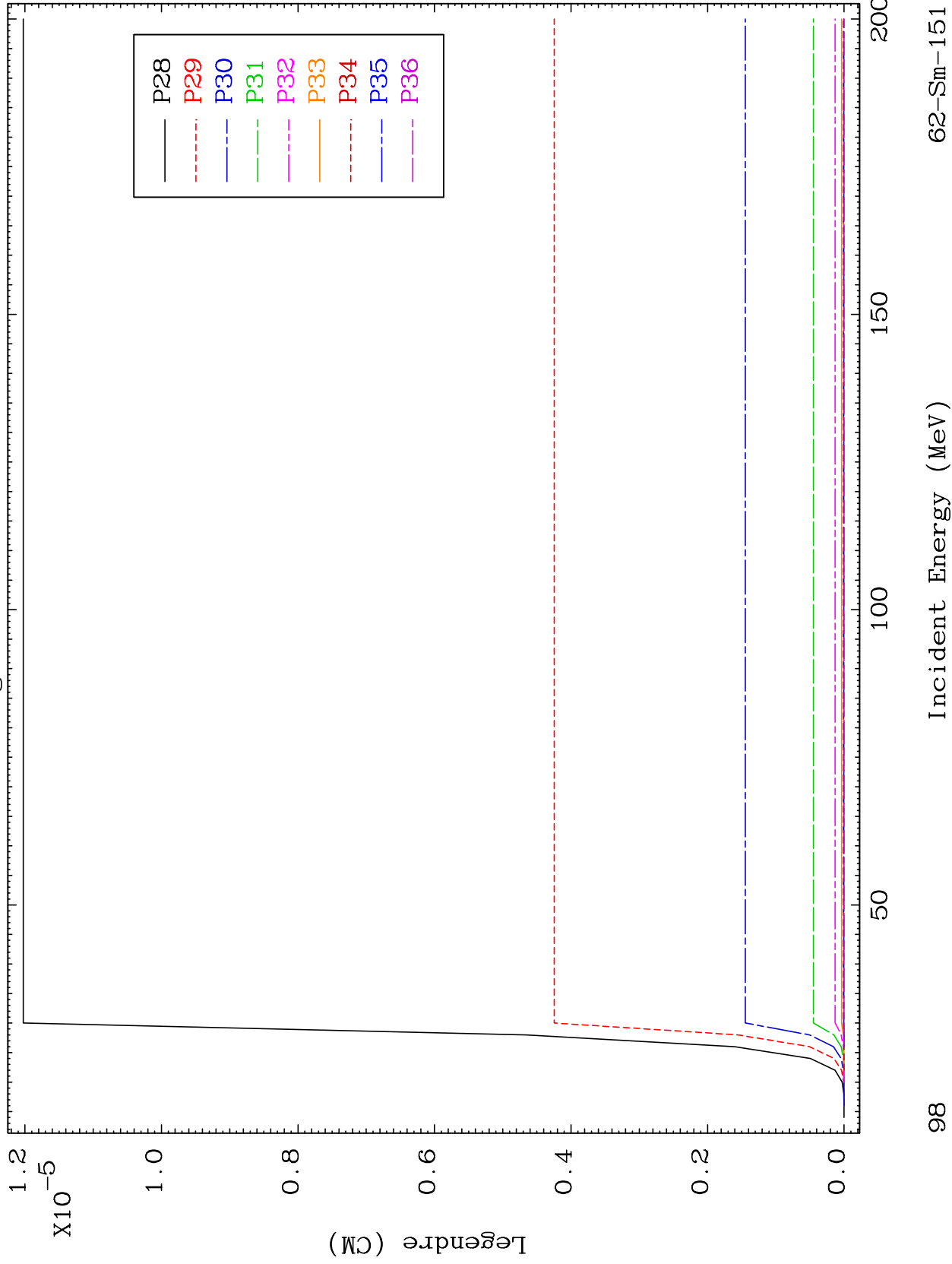
Incident Energy (MeV)

62-Sm-151

MAT 6246

344.9 keV (n, n') Level  
Legendre Coefficients

62-Sm-151



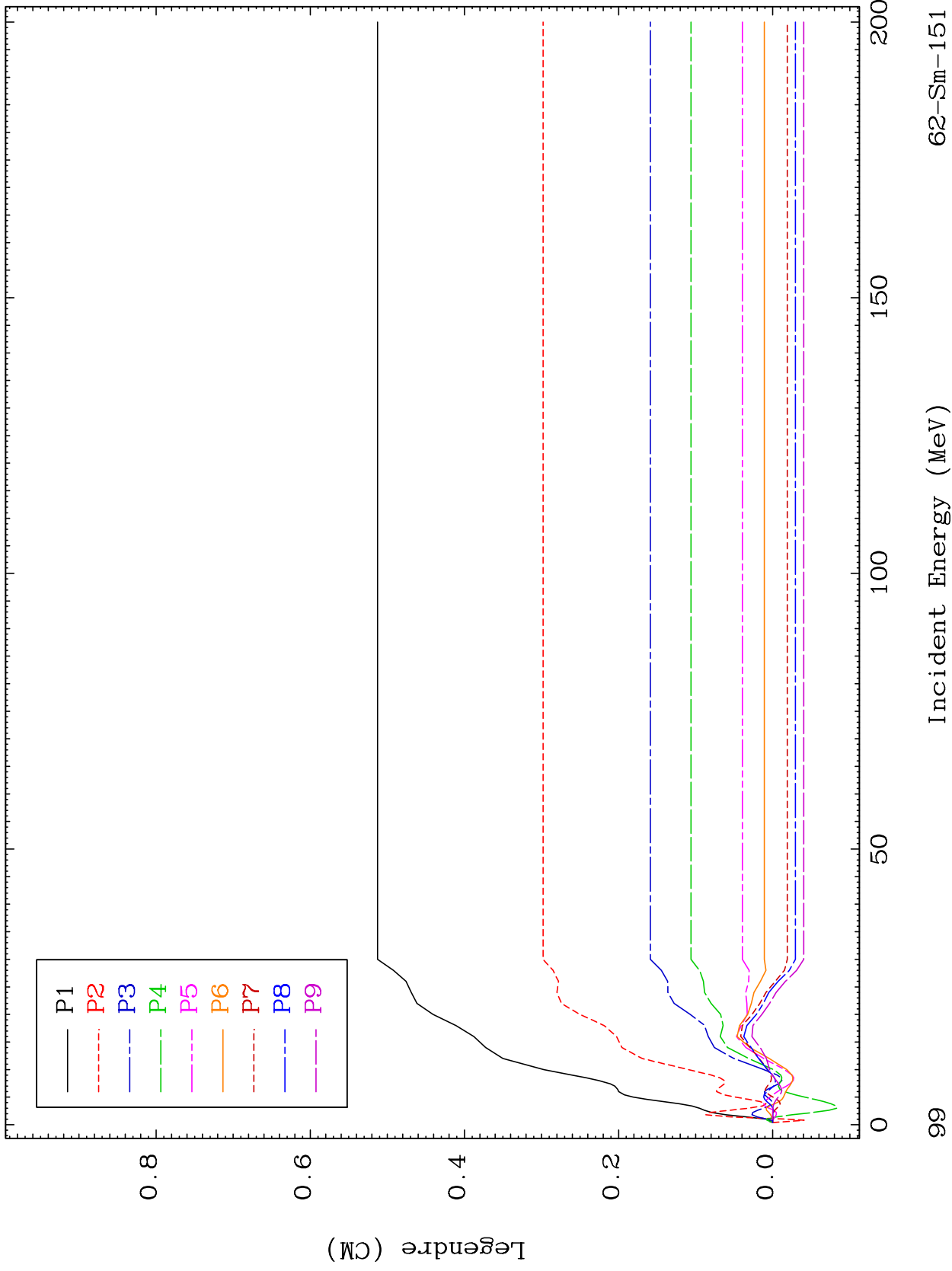
98

62-Sm-151

MAT 6246

355.6 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



99

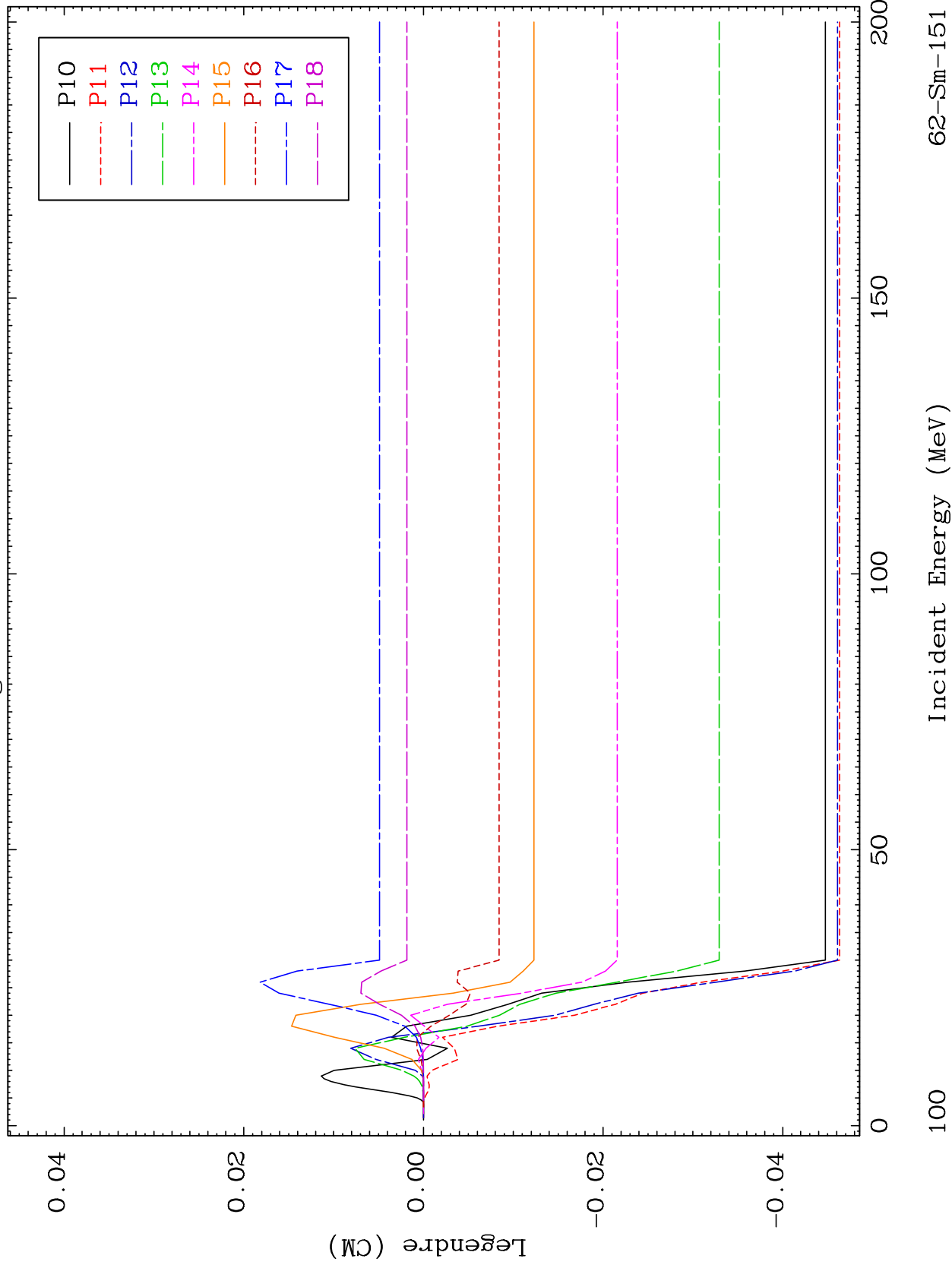
Incident Energy (MeV)

62-Sm-151

MAT 6246

355.6 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

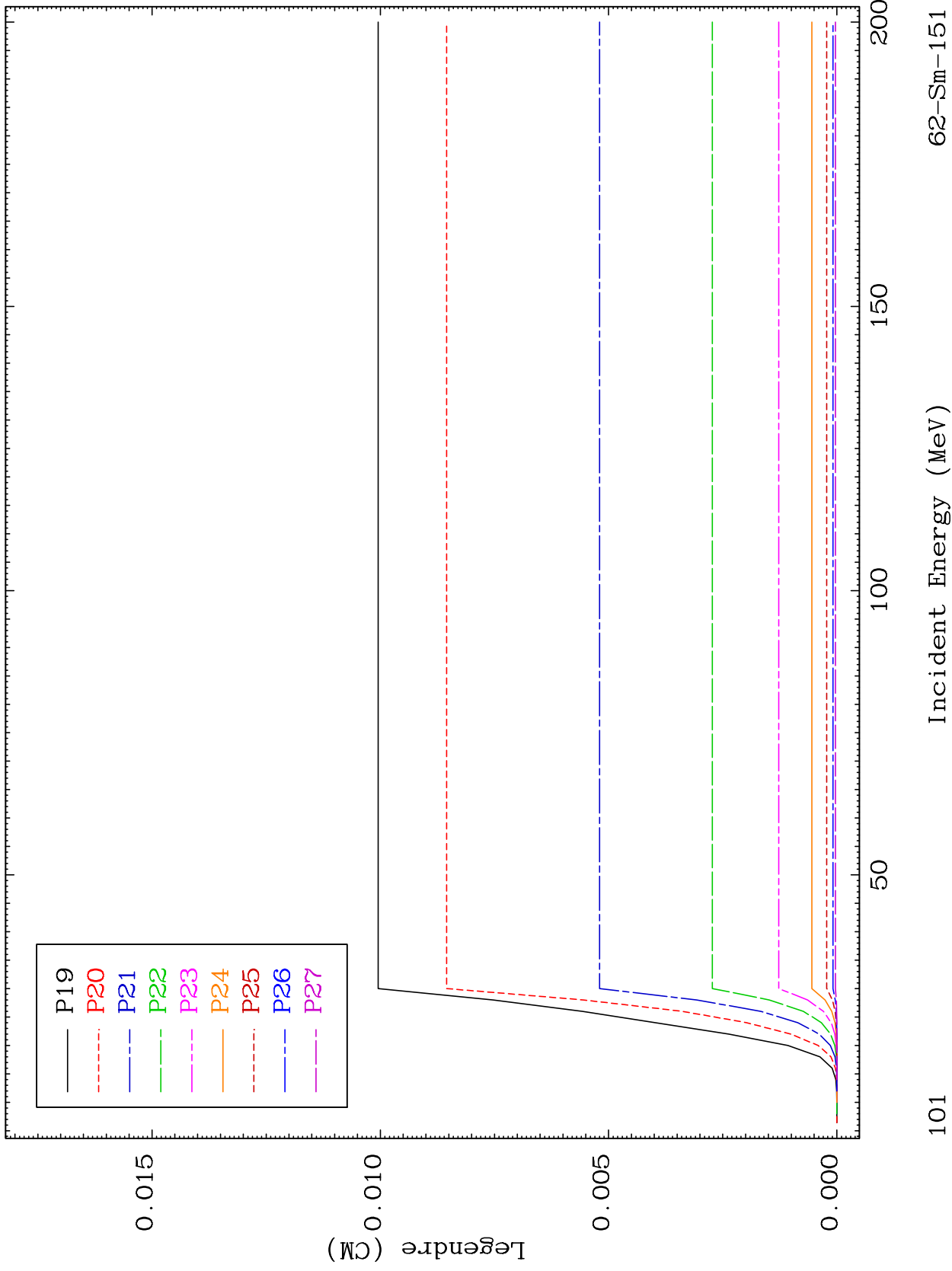
Incident Energy (MeV)

100

MAT 6246

355.6 keV (n, n') Level  
Legendre Coefficients

62-Sm-151



101

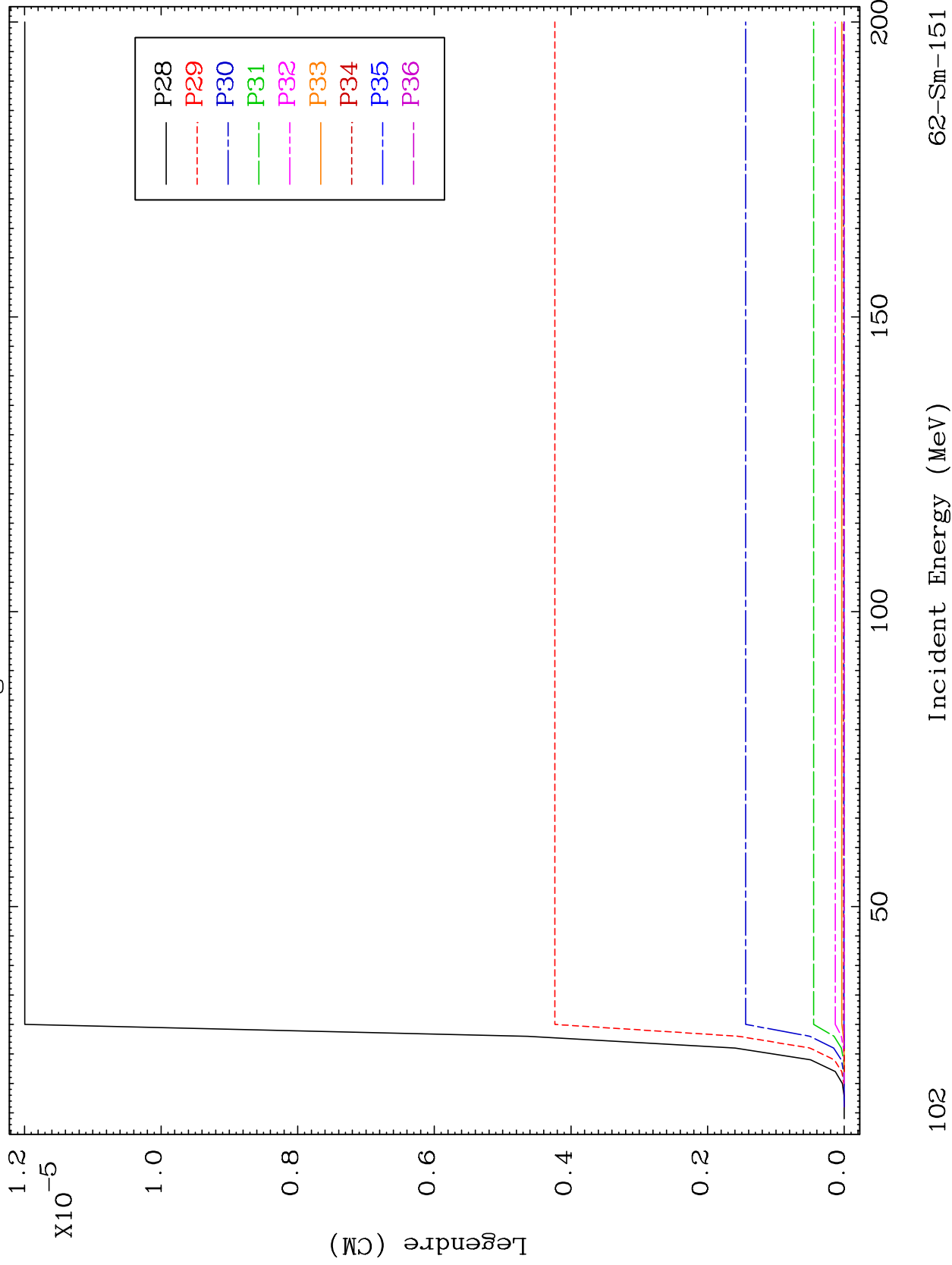
Incident Energy (MeV)

62-Sm-151

MAT 6246

355.6 keV (n,n') Level  
Legendre Coefficients

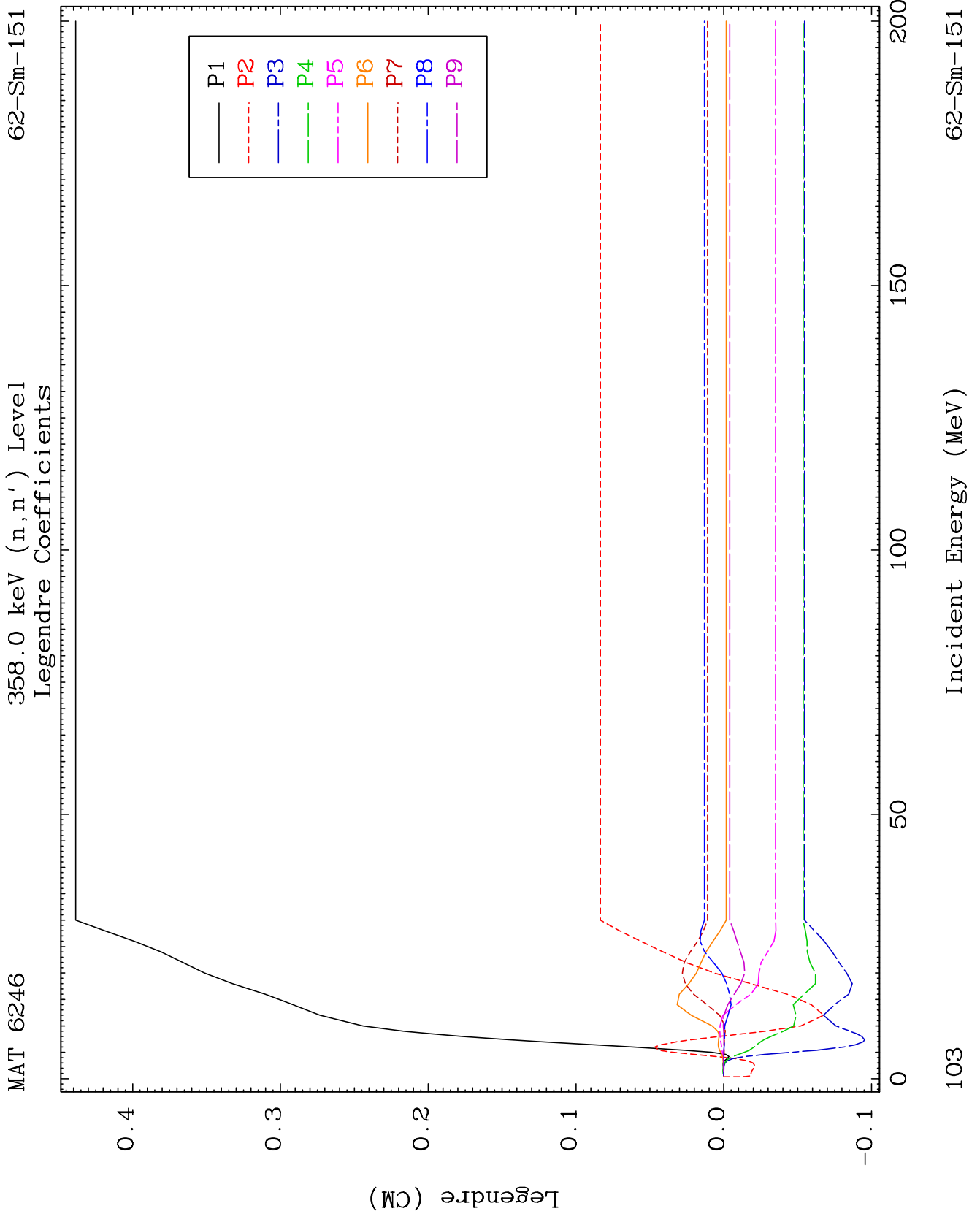
62-Sm-151



102

Incident Energy (MeV)

62-Sm-151

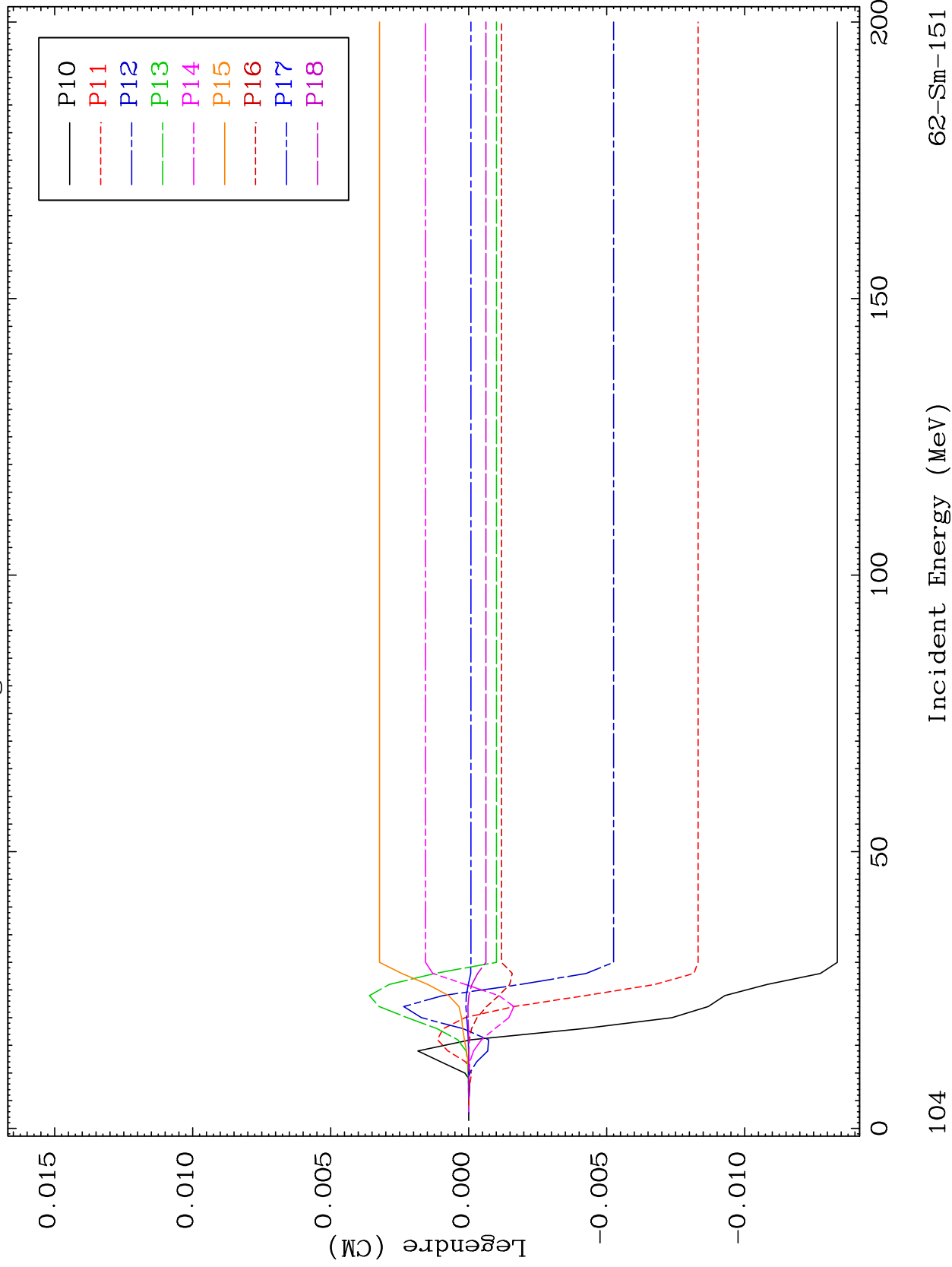




MAT 6246

358.0 keV (n,n') Level  
Legendre Coefficients

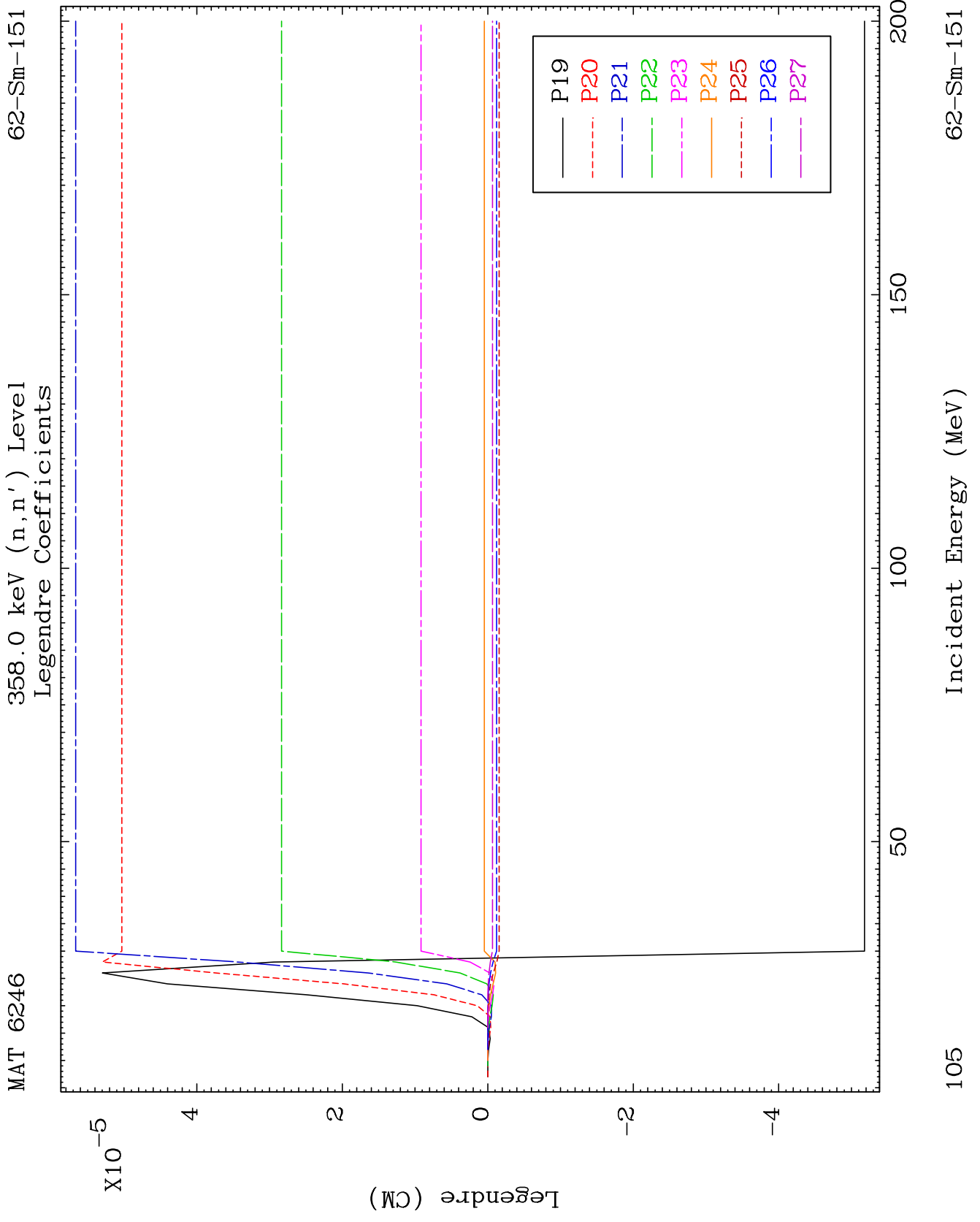
62-Sm-151

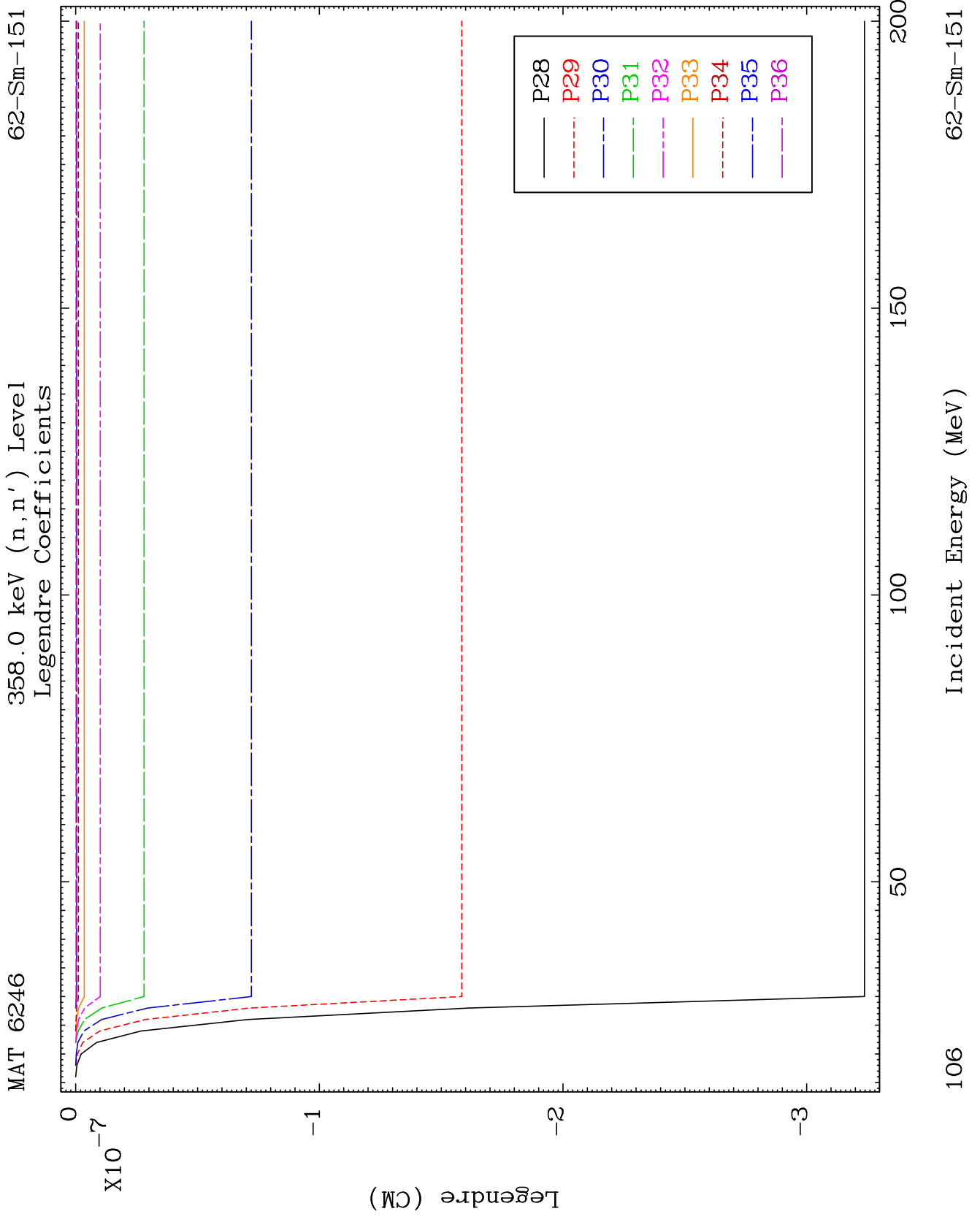


104

Incident Energy (MeV)

62-Sm-151

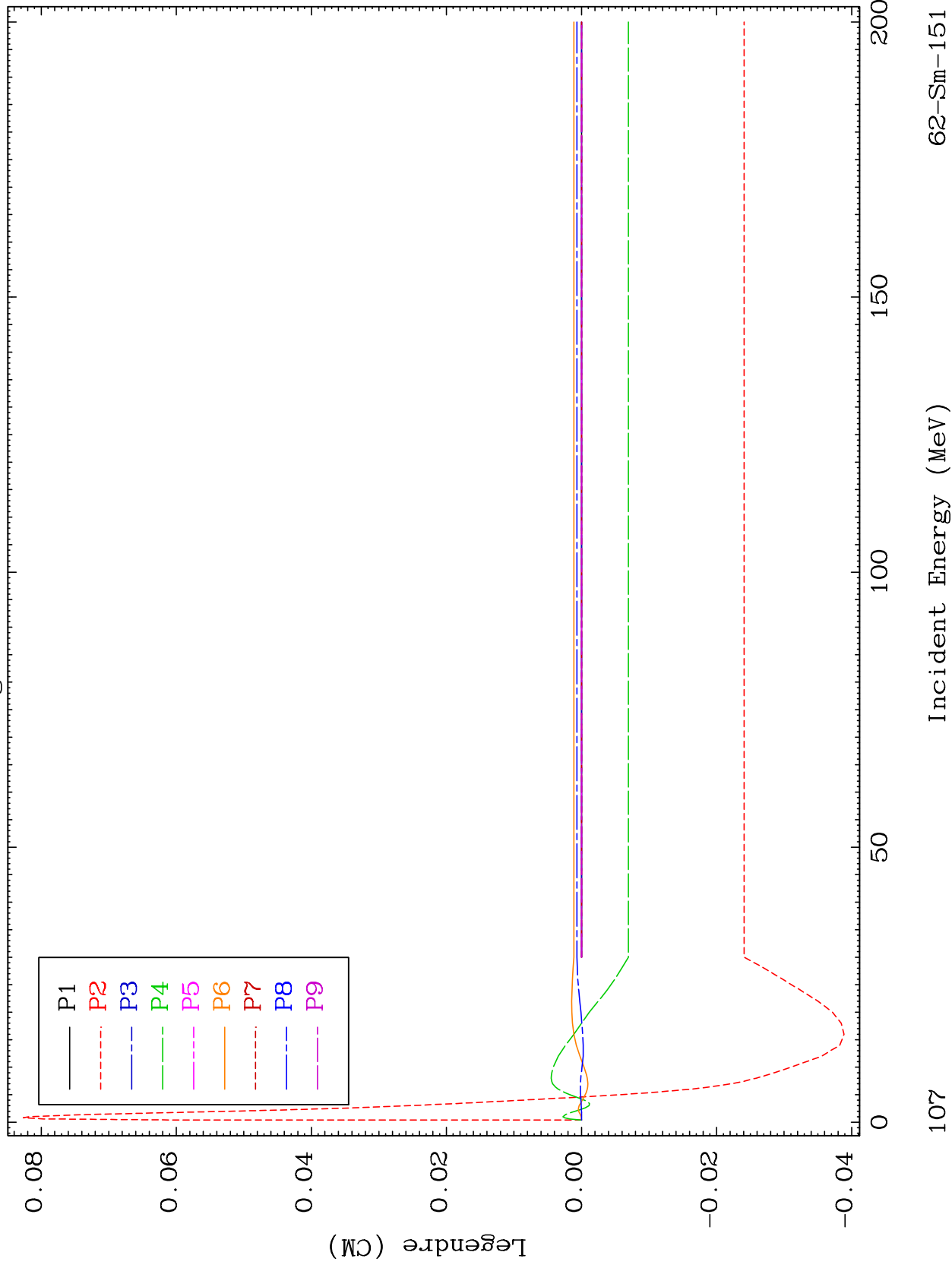




MAT 6246

383.2 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

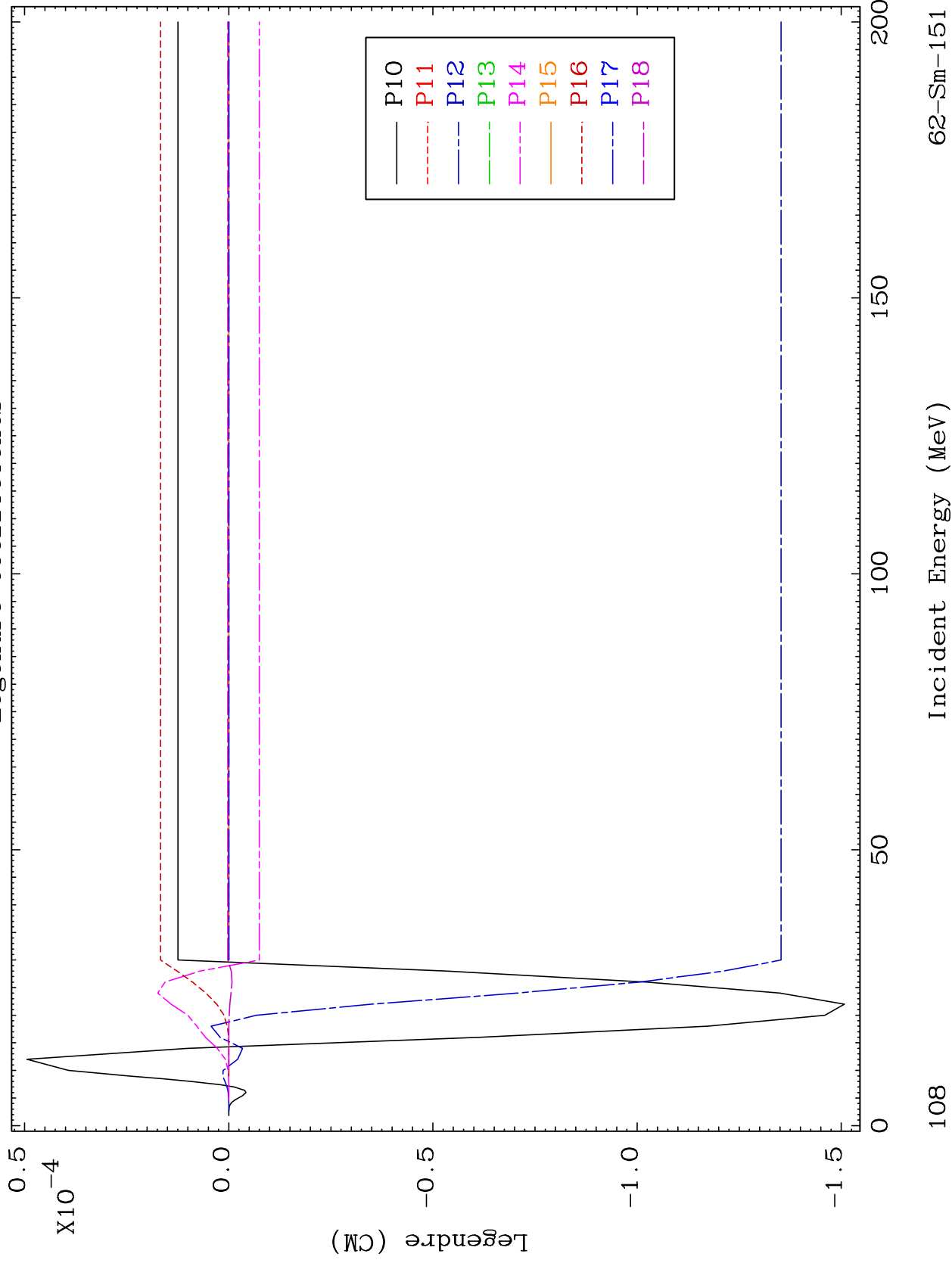
Incident Energy (MeV)

107

MAT 6246

383.2 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

Incident Energy (MeV)

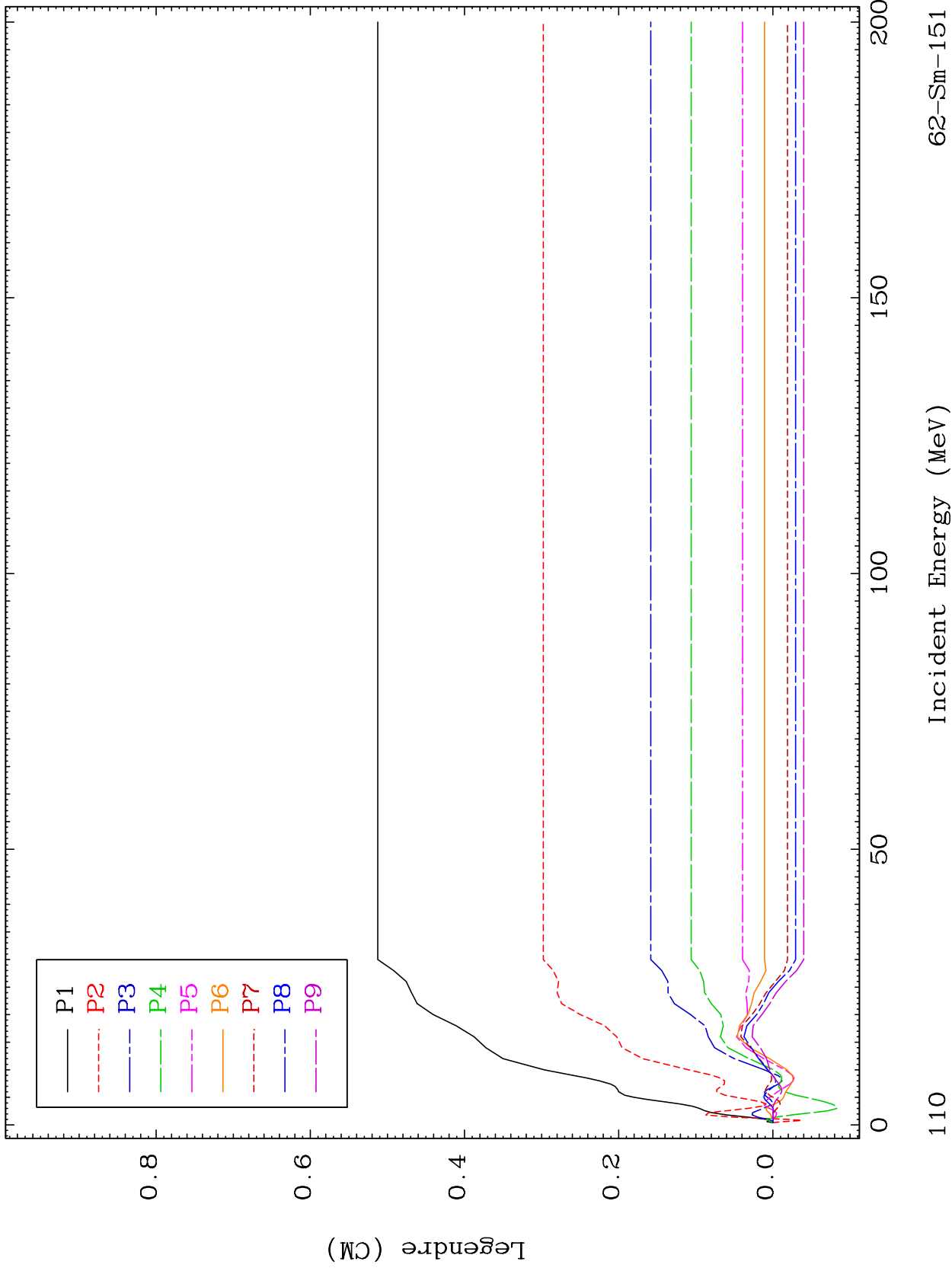
108



MAT 6246

395.6 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

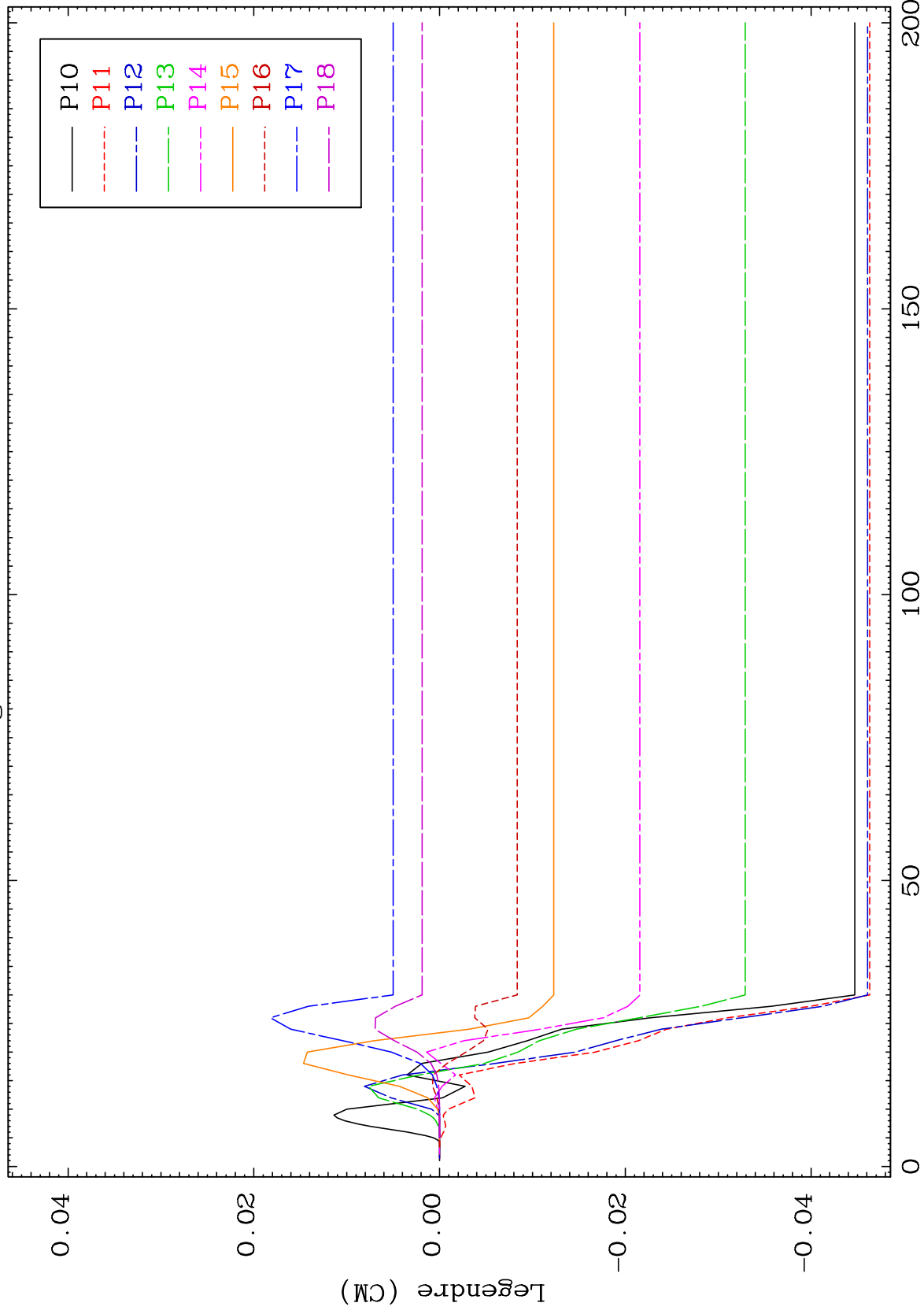
Incident Energy (MeV)

110

MAT 6246

395.6 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



111

Incident Energy (MeV)

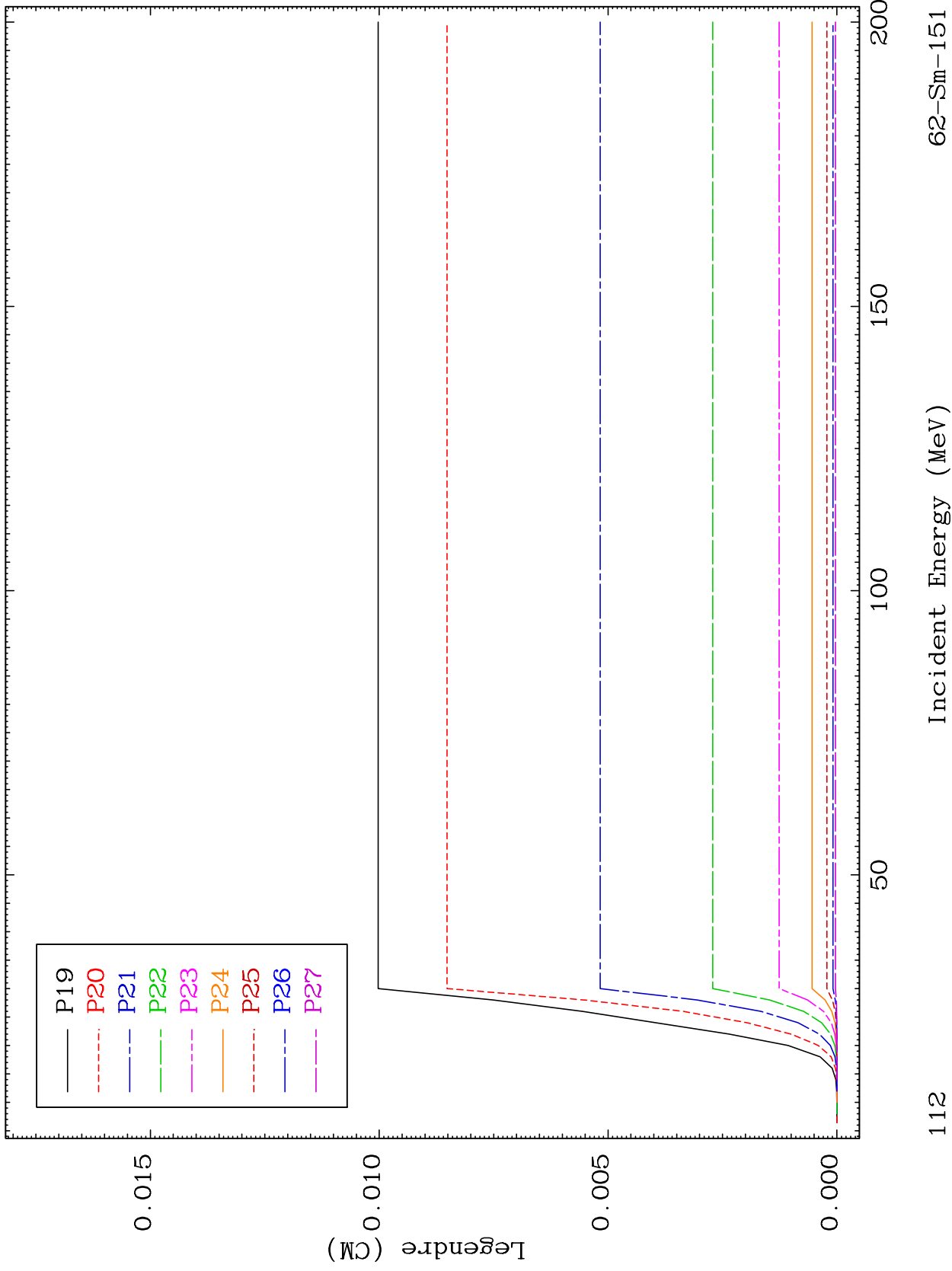
62-Sm-151



MAT 6246

395.6 keV (n,n') Level  
Legendre Coefficients

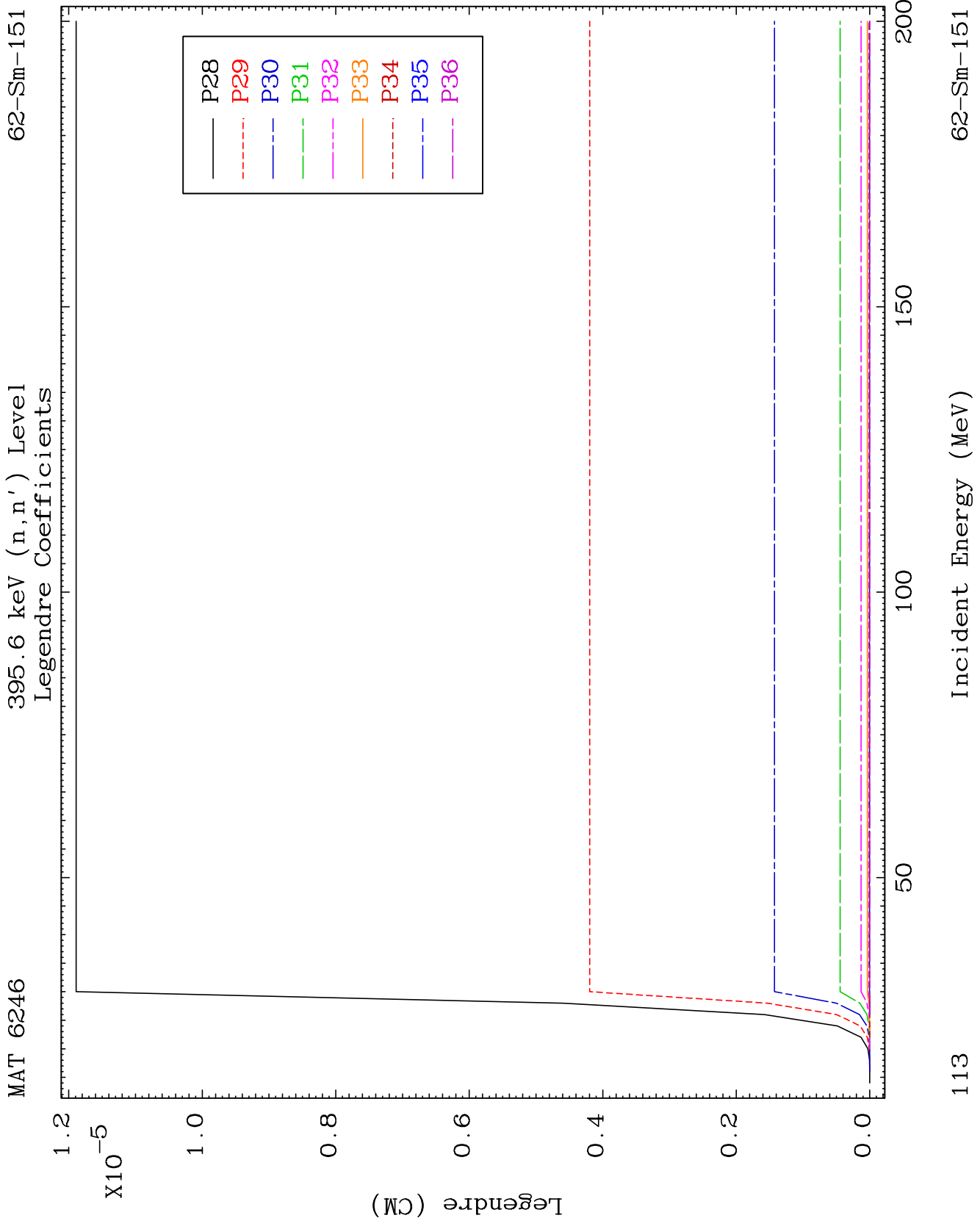
62-Sm-151



112

Incident Energy (MeV)

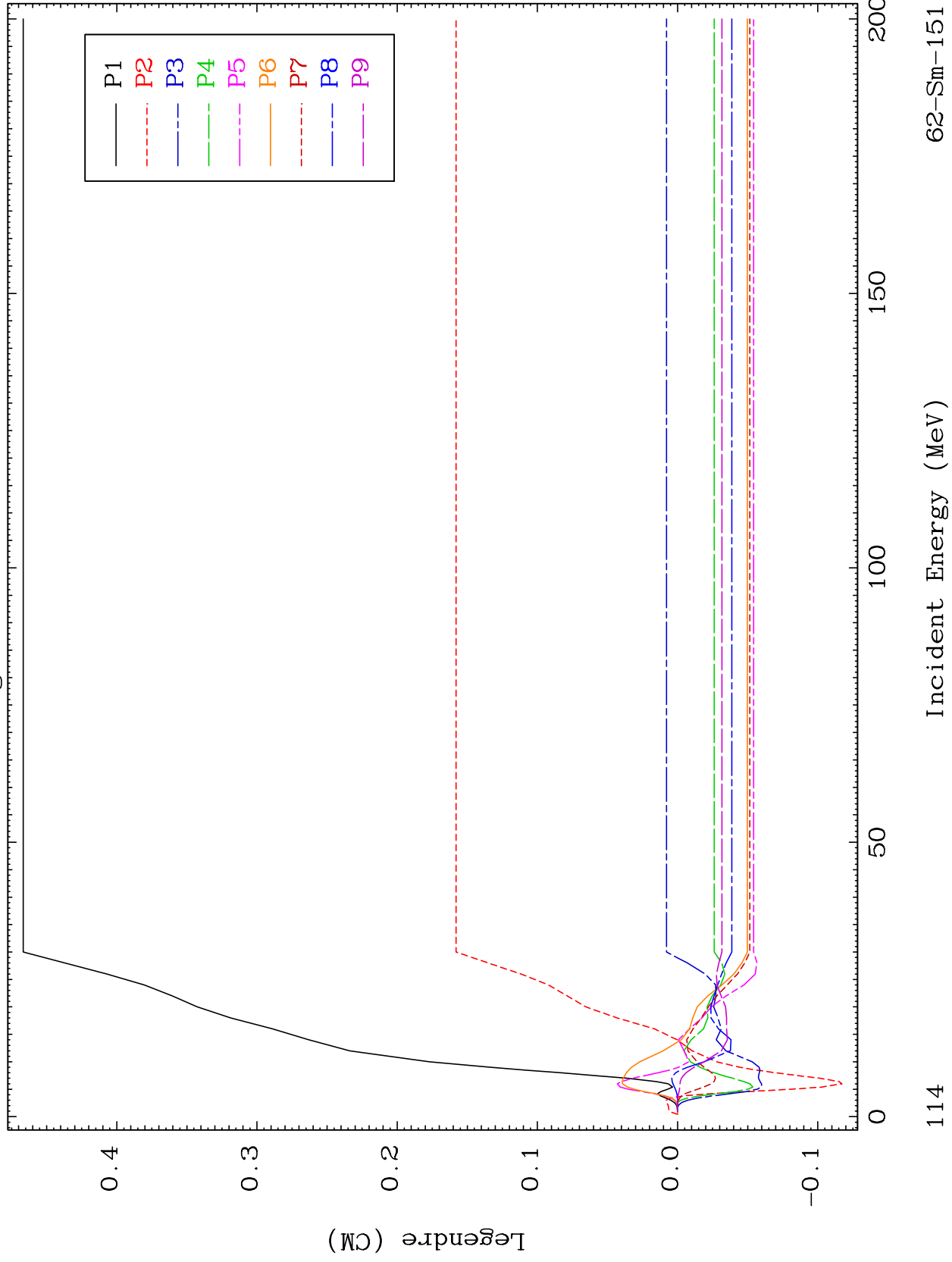
62-Sm-151



MAT 6246

405.5 keV (n, n') Level  
Legendre Coefficients

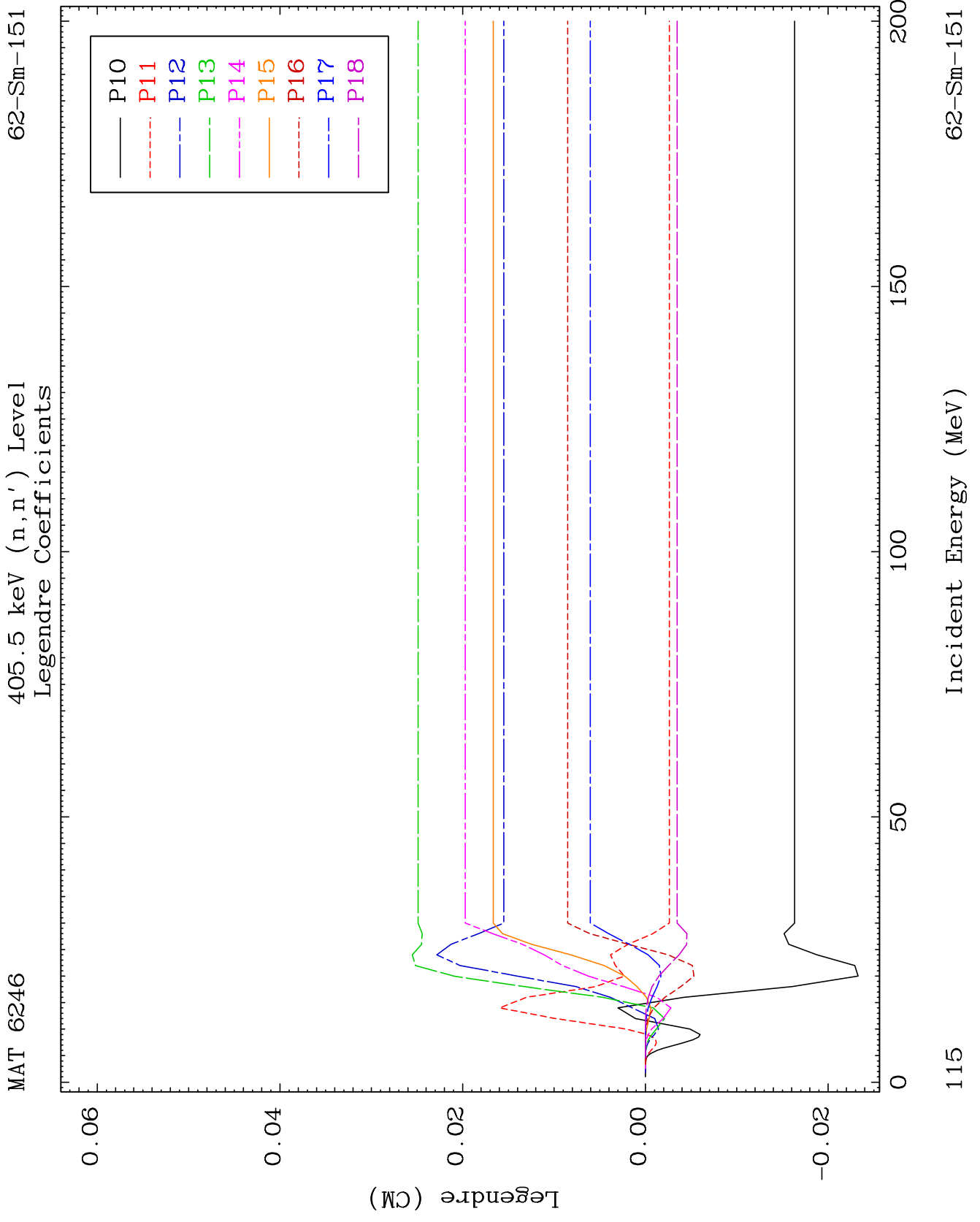
62-Sm-151



62-Sm-151

Incident Energy (MeV)

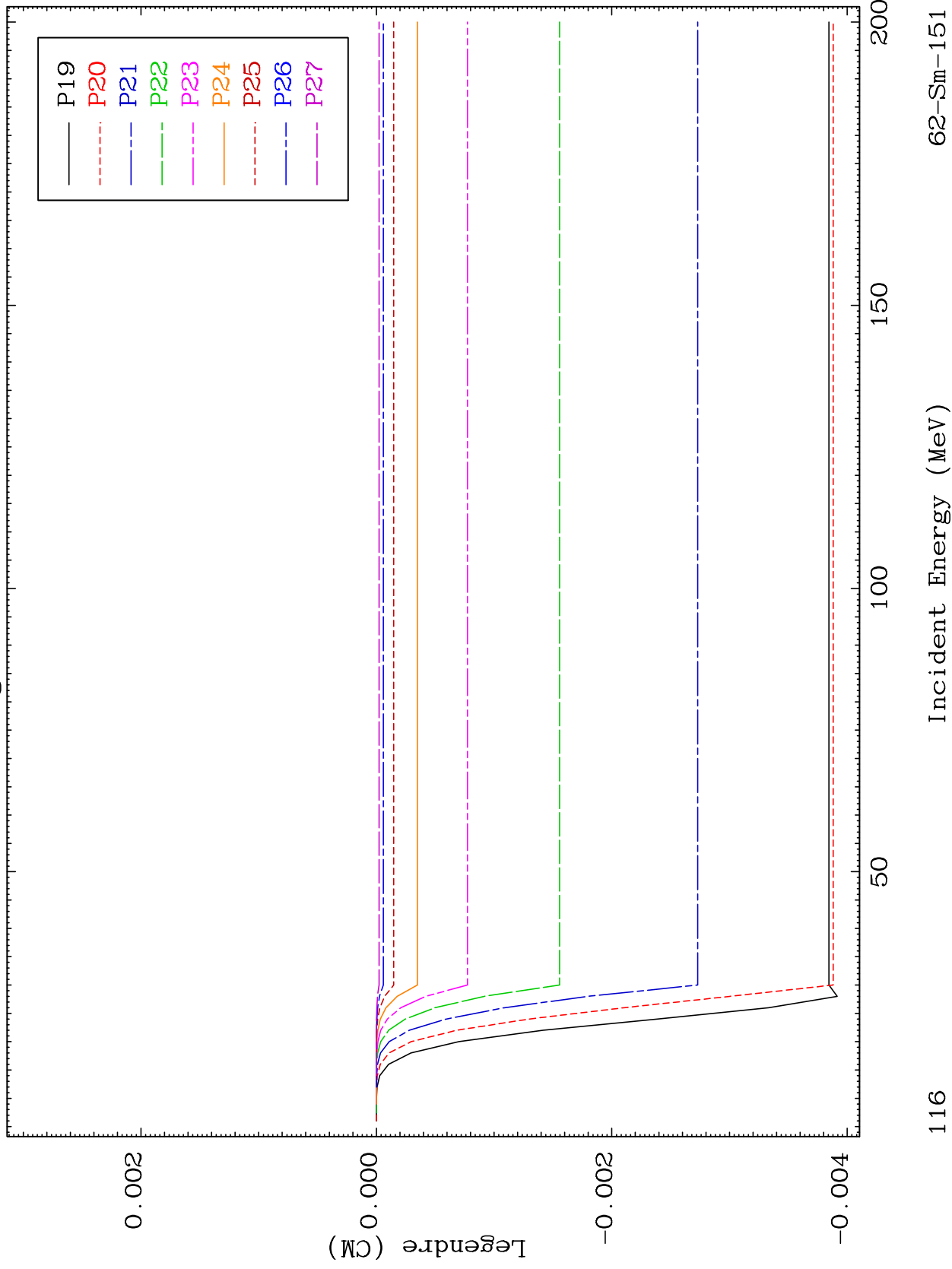
114



MAT 6246

405.5 keV (n,n') Level  
Legendre Coefficients

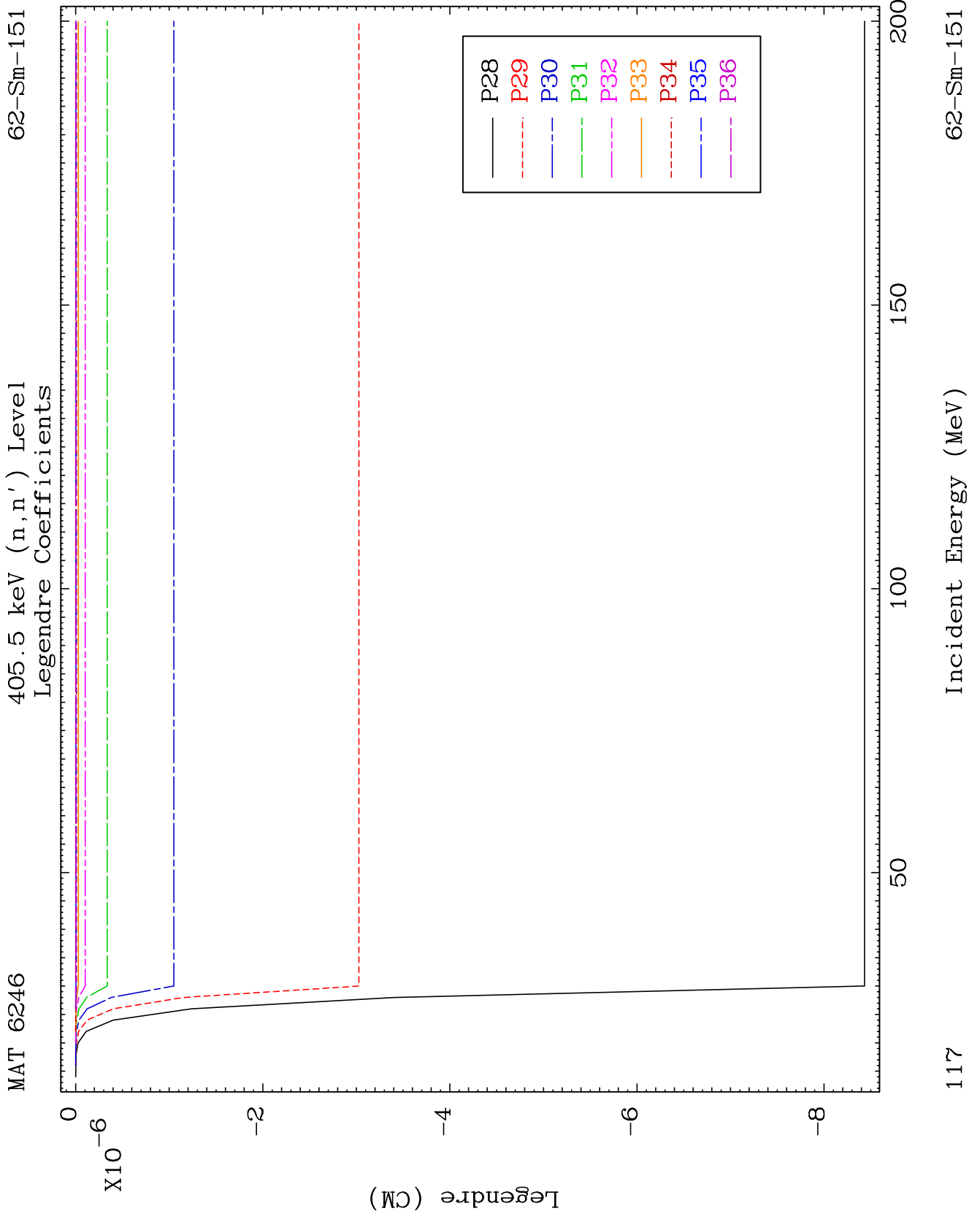
62-Sm-151

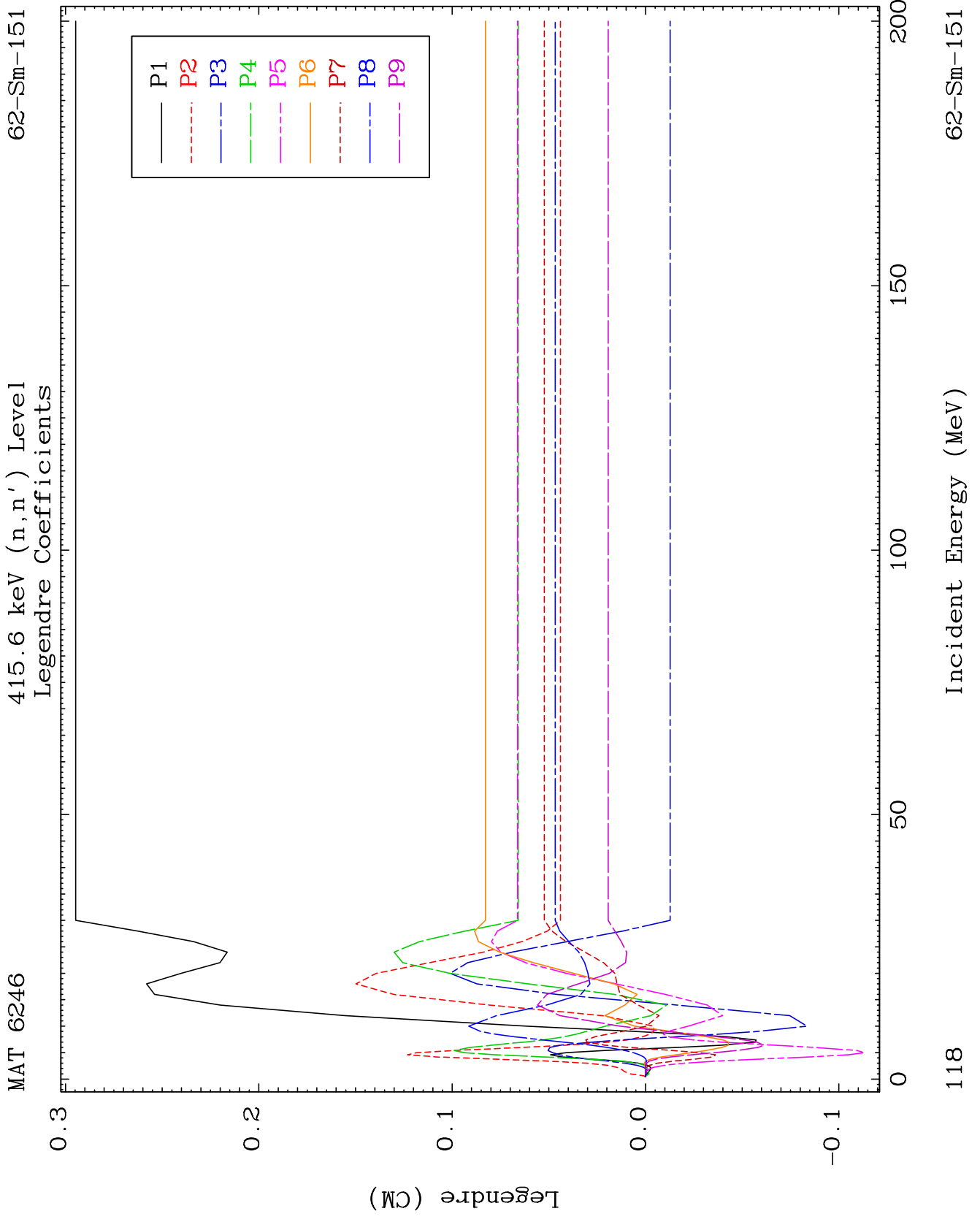


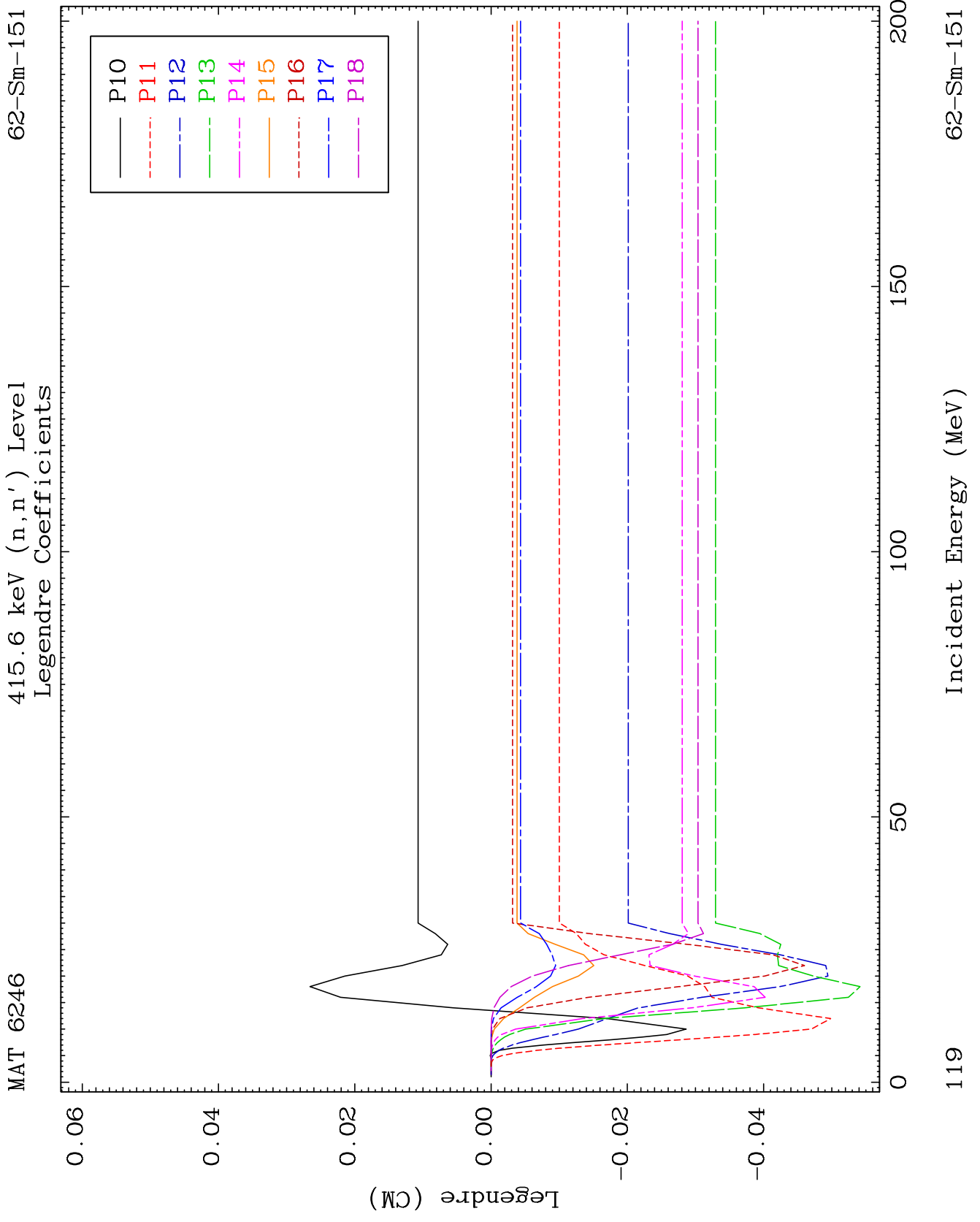
116

Incident Energy (MeV)

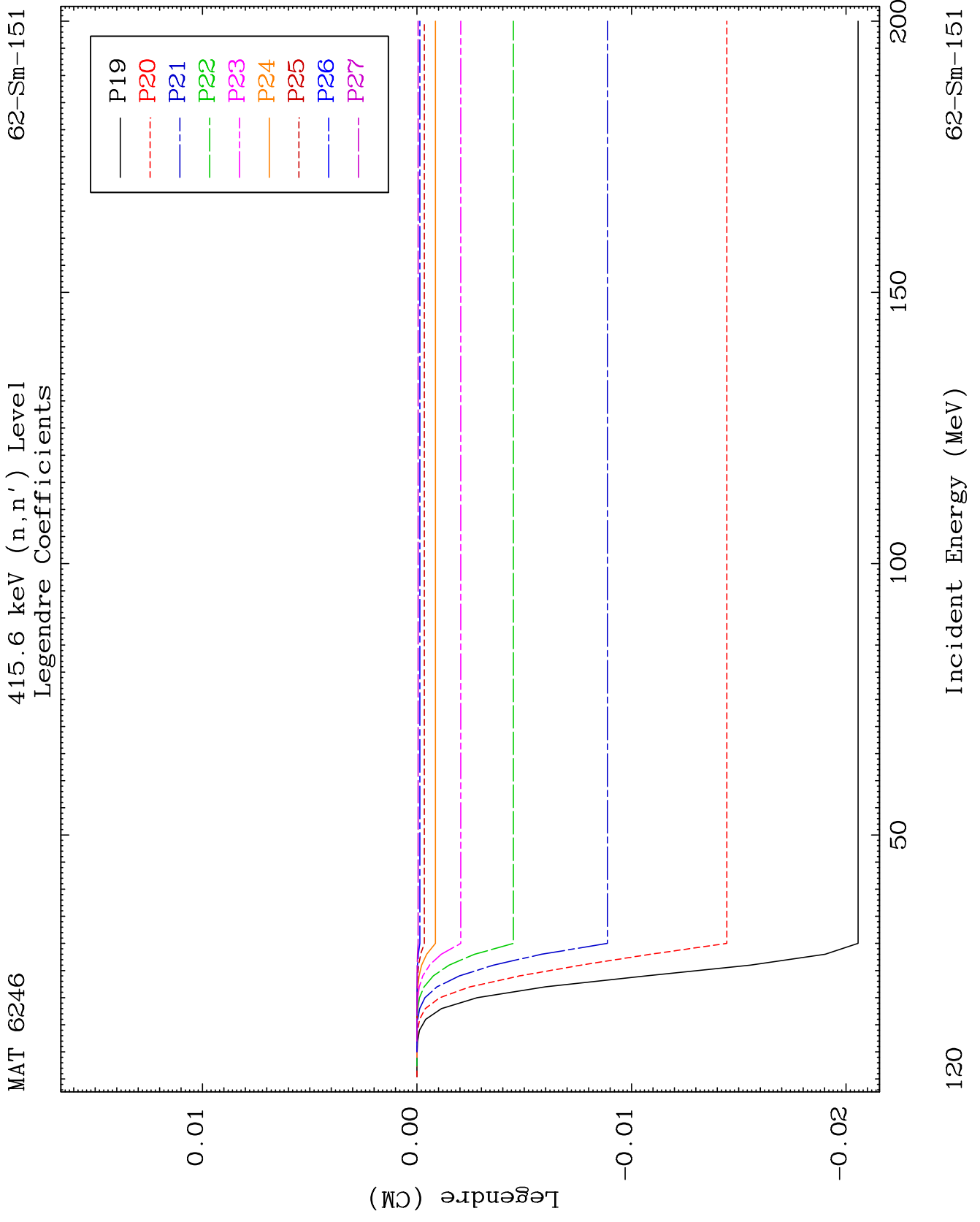
62-Sm-151

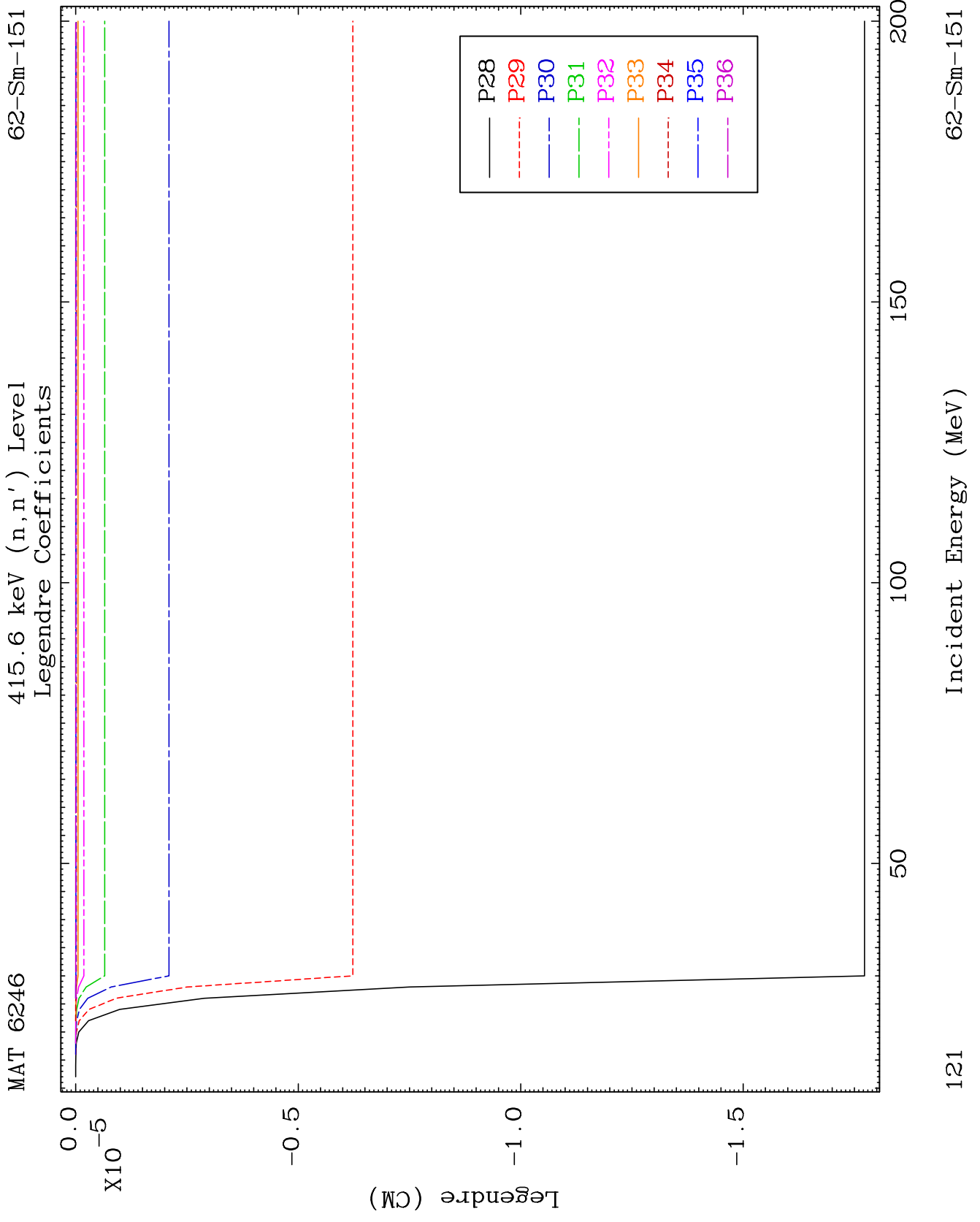








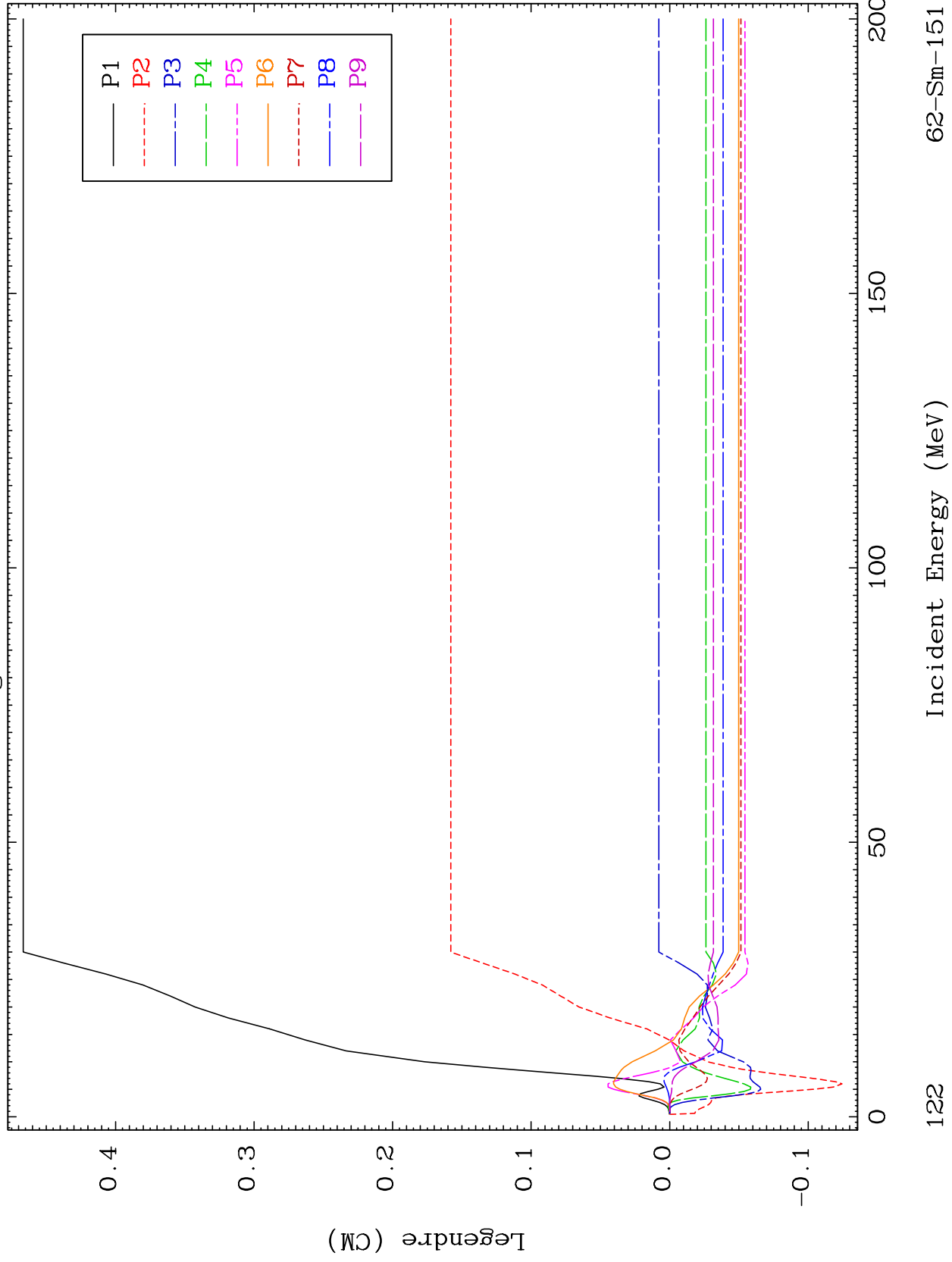




MAT 6246

419.1 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

Incident Energy (MeV)

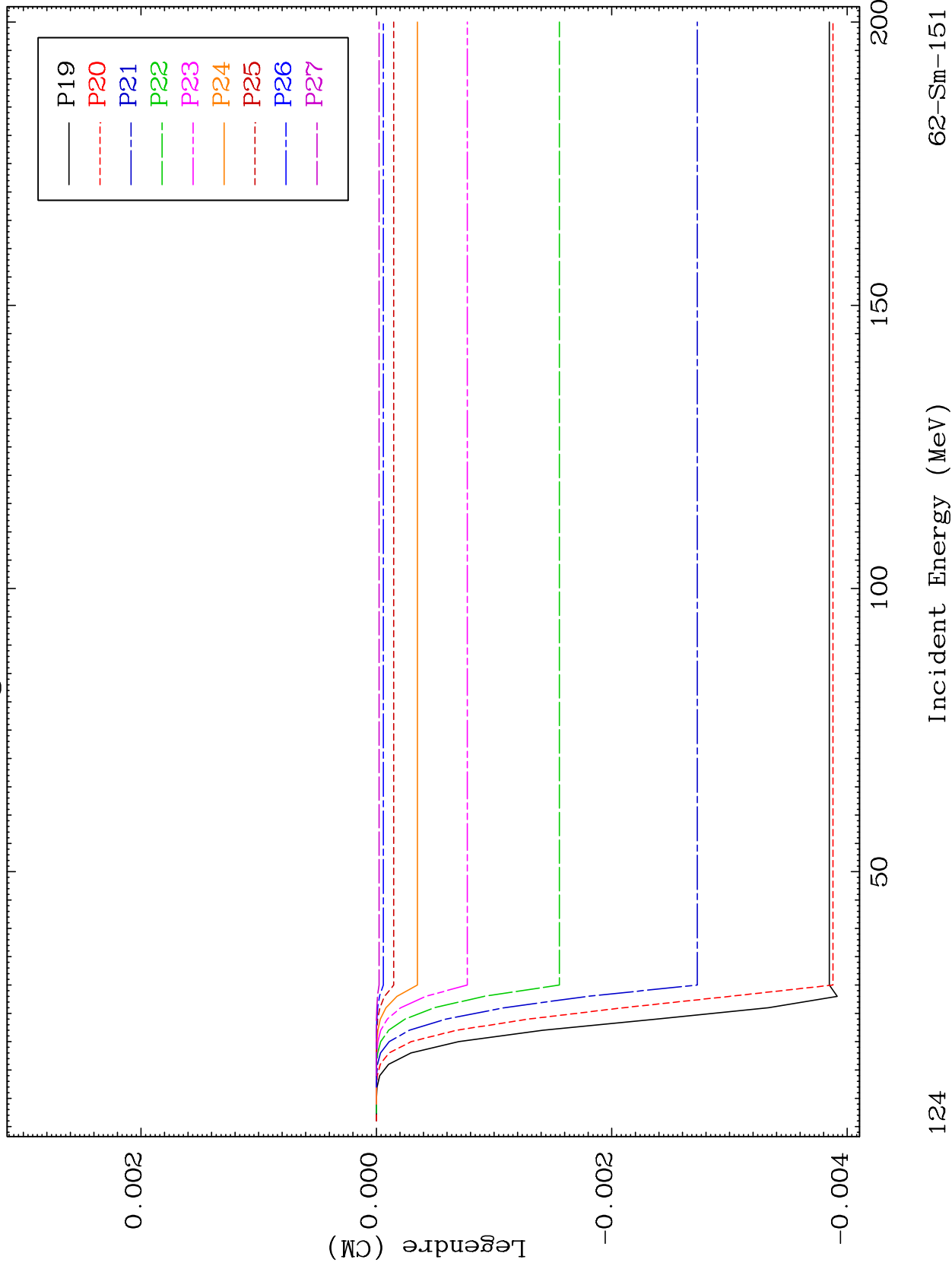
122



MAT 6246

419.1 keV (n,n') Level  
Legendre Coefficients

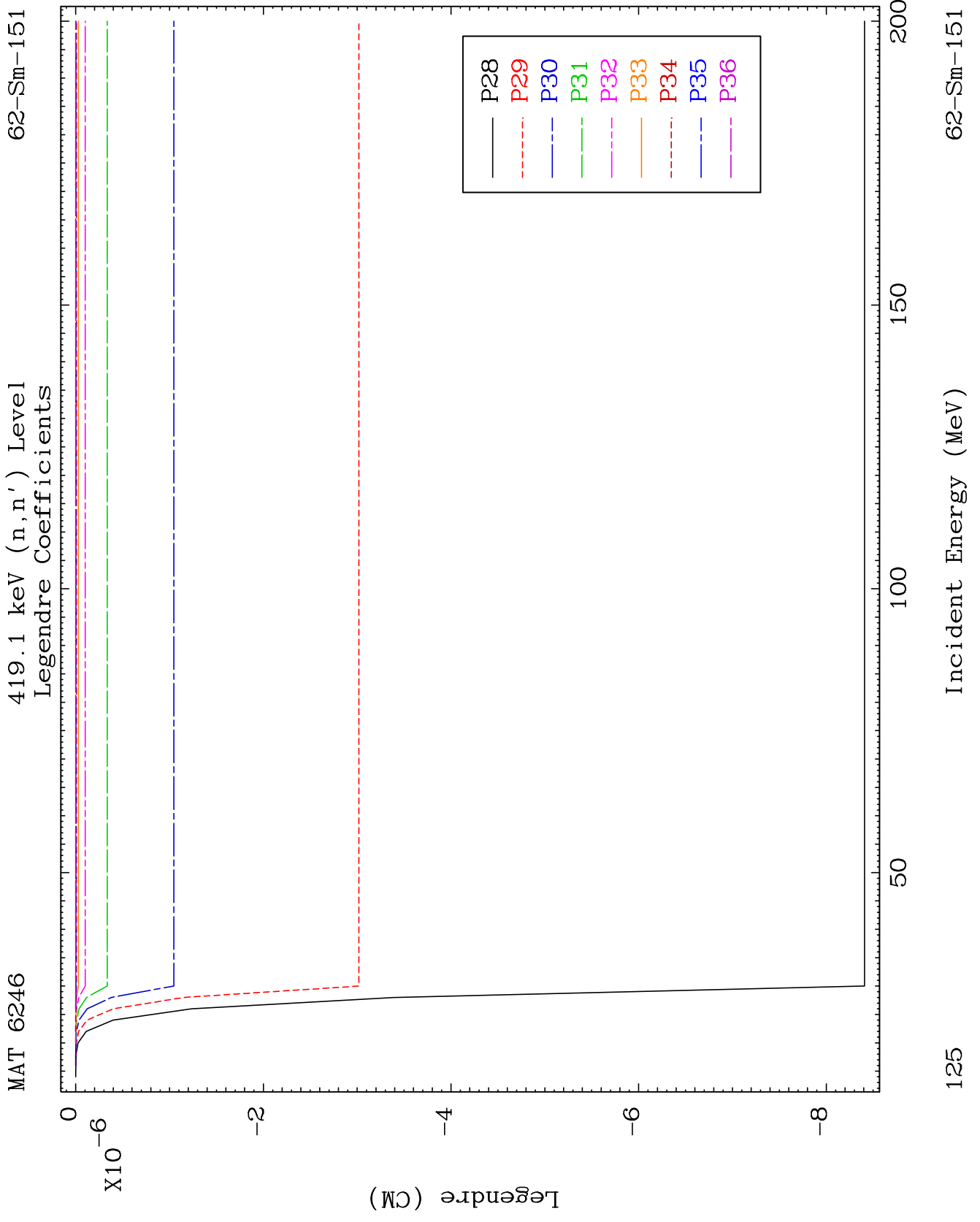
62-Sm-151



124

Incident Energy (MeV)

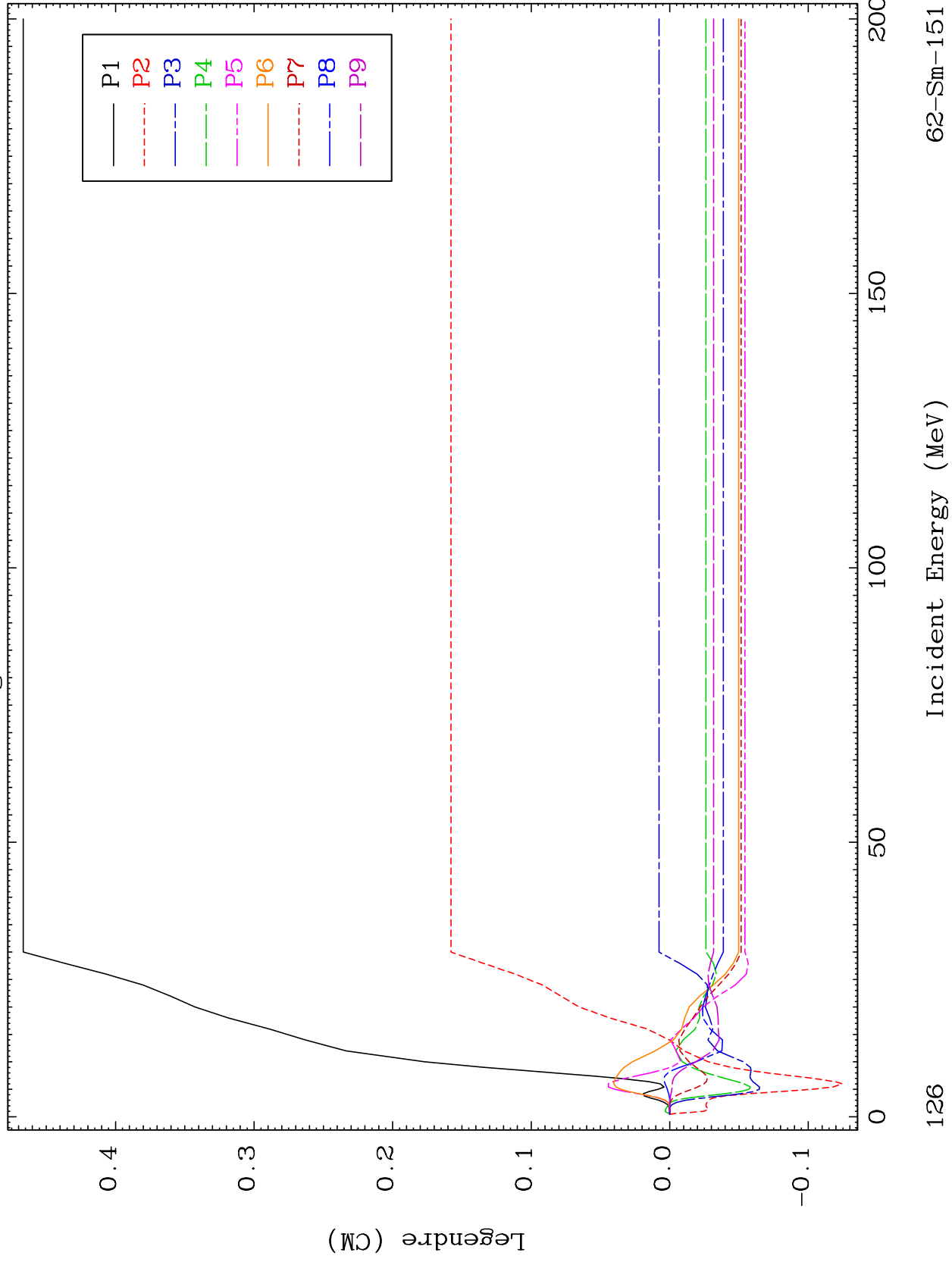
62-Sm-151



MAT 6246

423.2 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

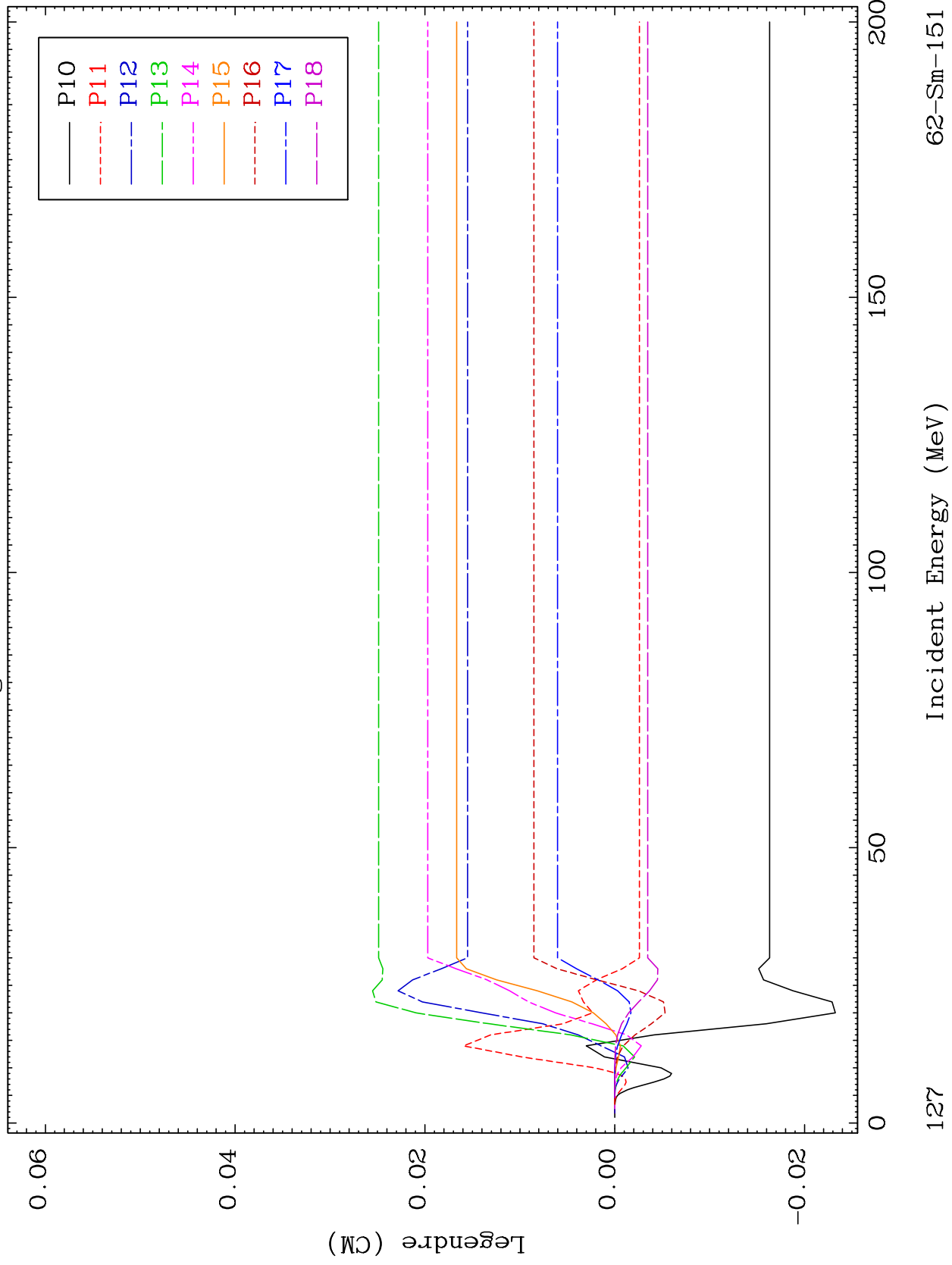
Incident Energy (MeV)

126

MAT 6246

423.2 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



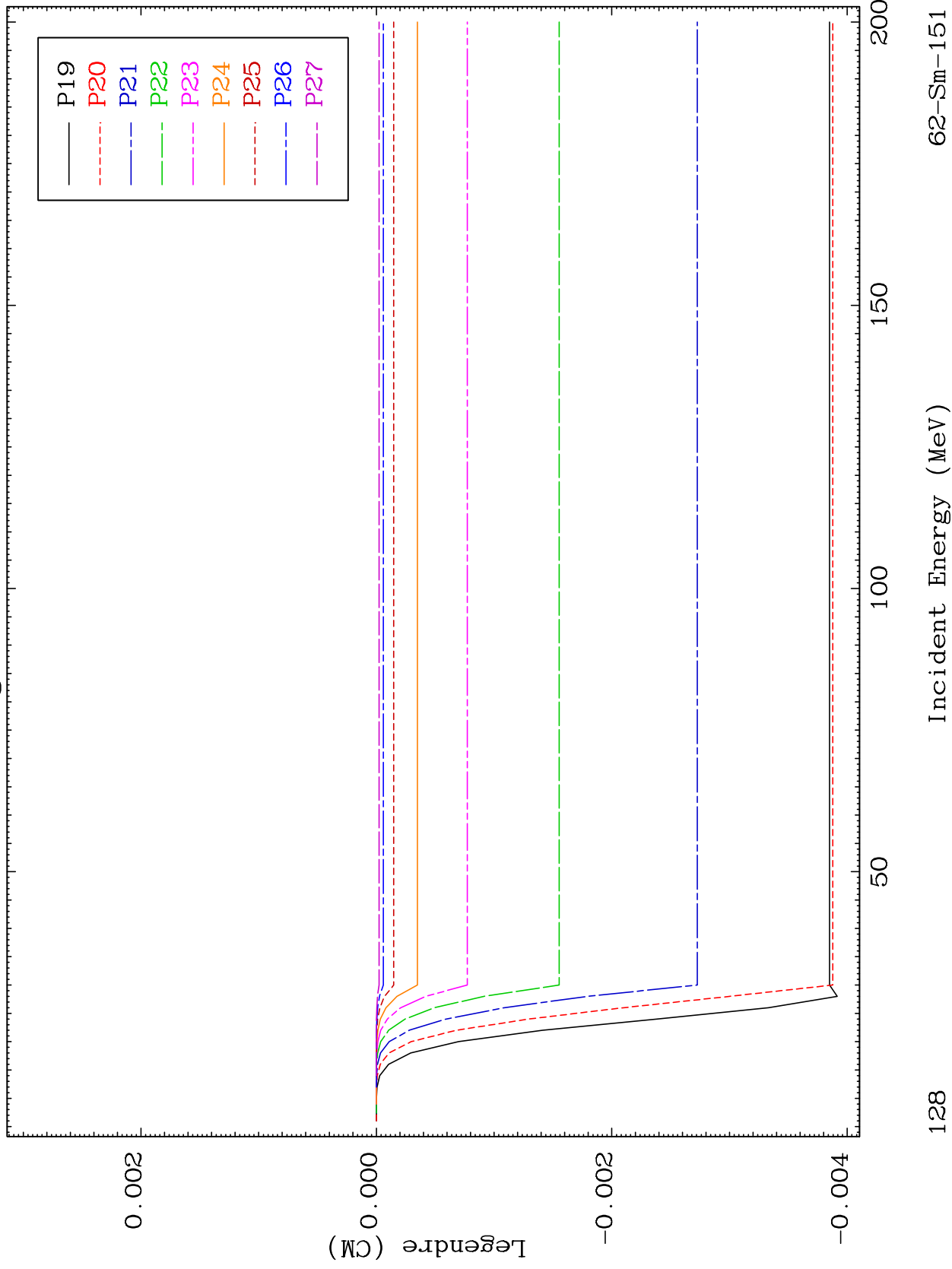
127



MAT 6246

423.2 keV (n,n') Level  
Legendre Coefficients

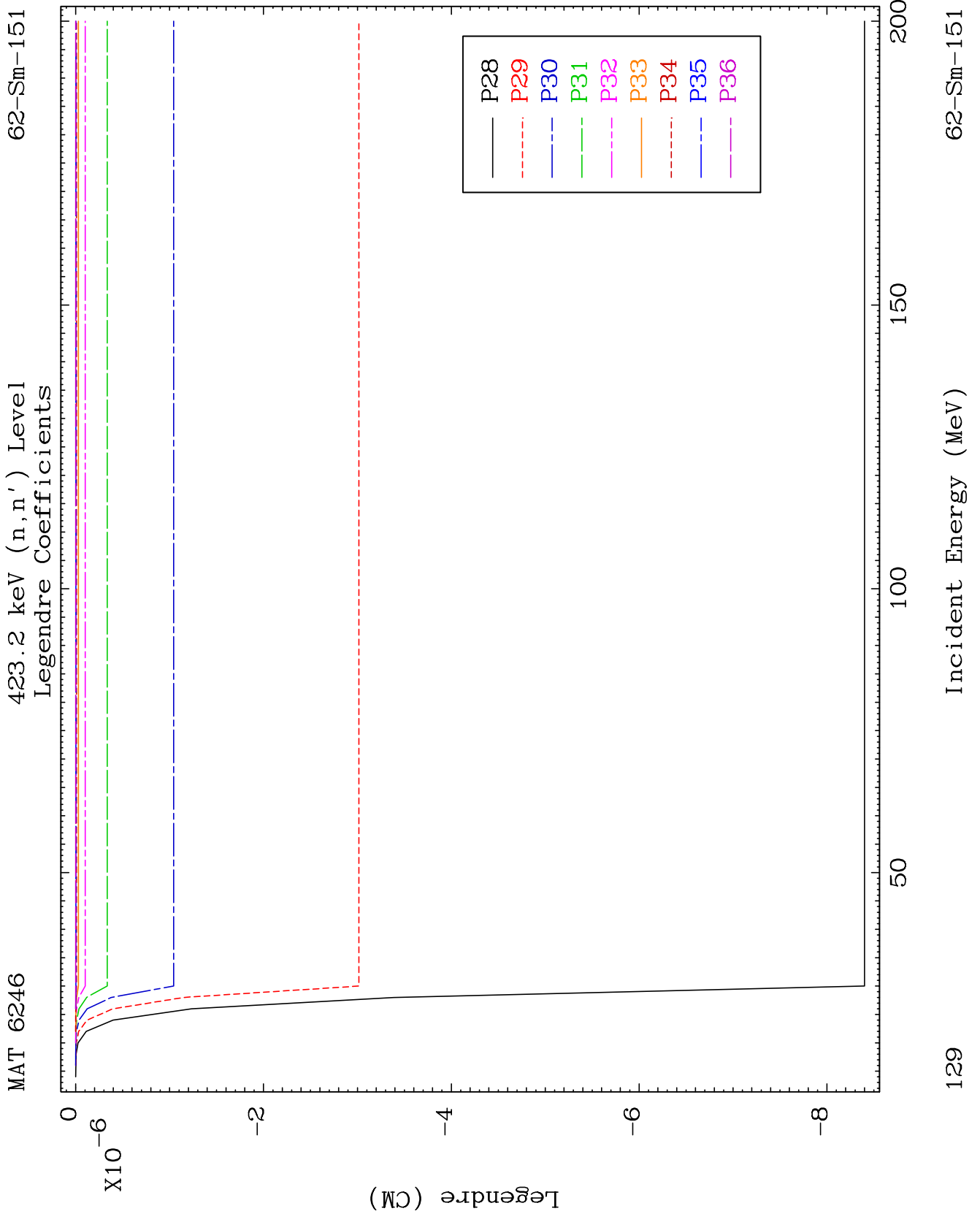
62-Sm-151



128

Incident Energy (MeV)

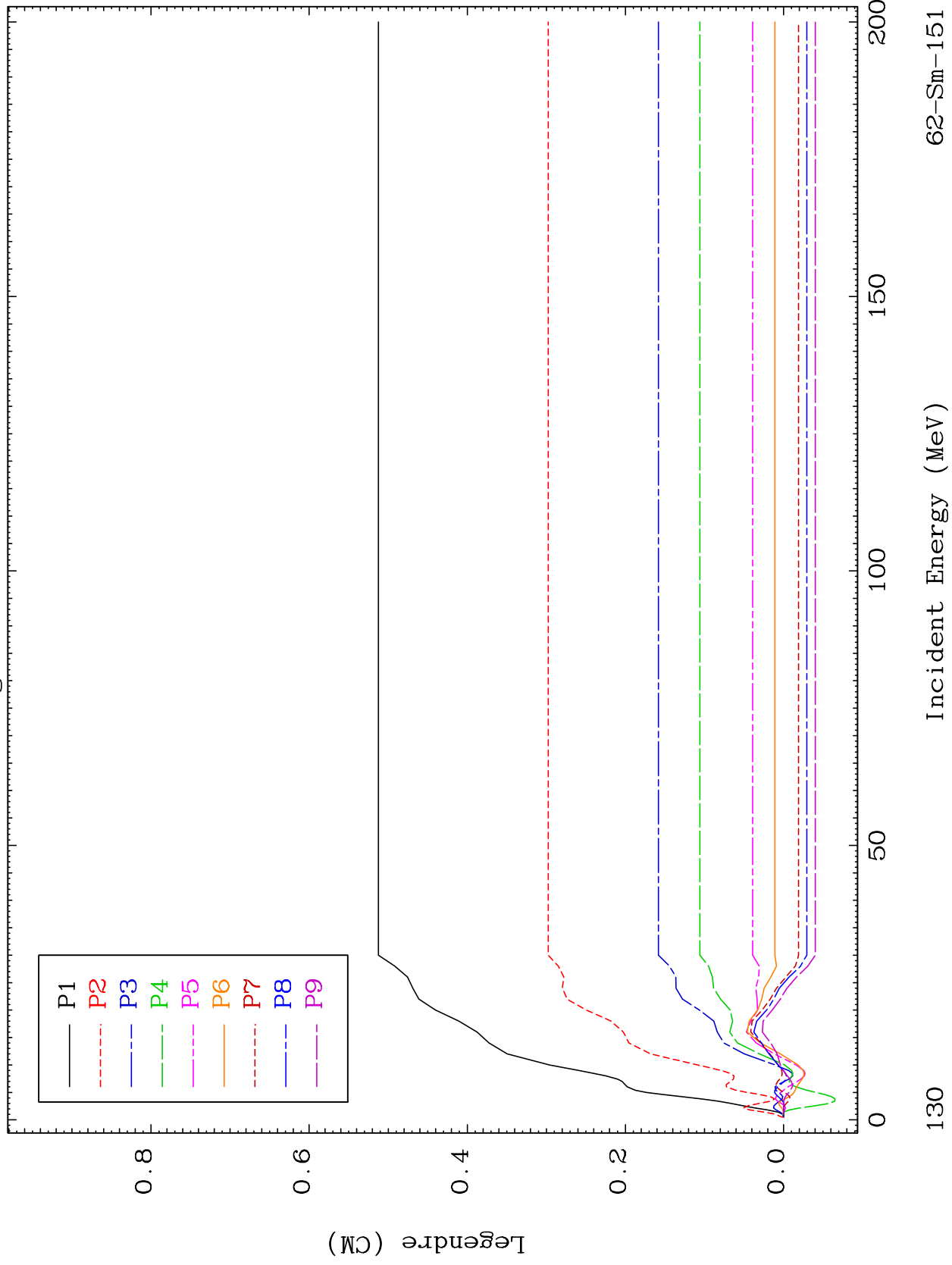
62-Sm-151



MAT 6246

437.5 keV (n,n') Level  
Legendre Coefficients

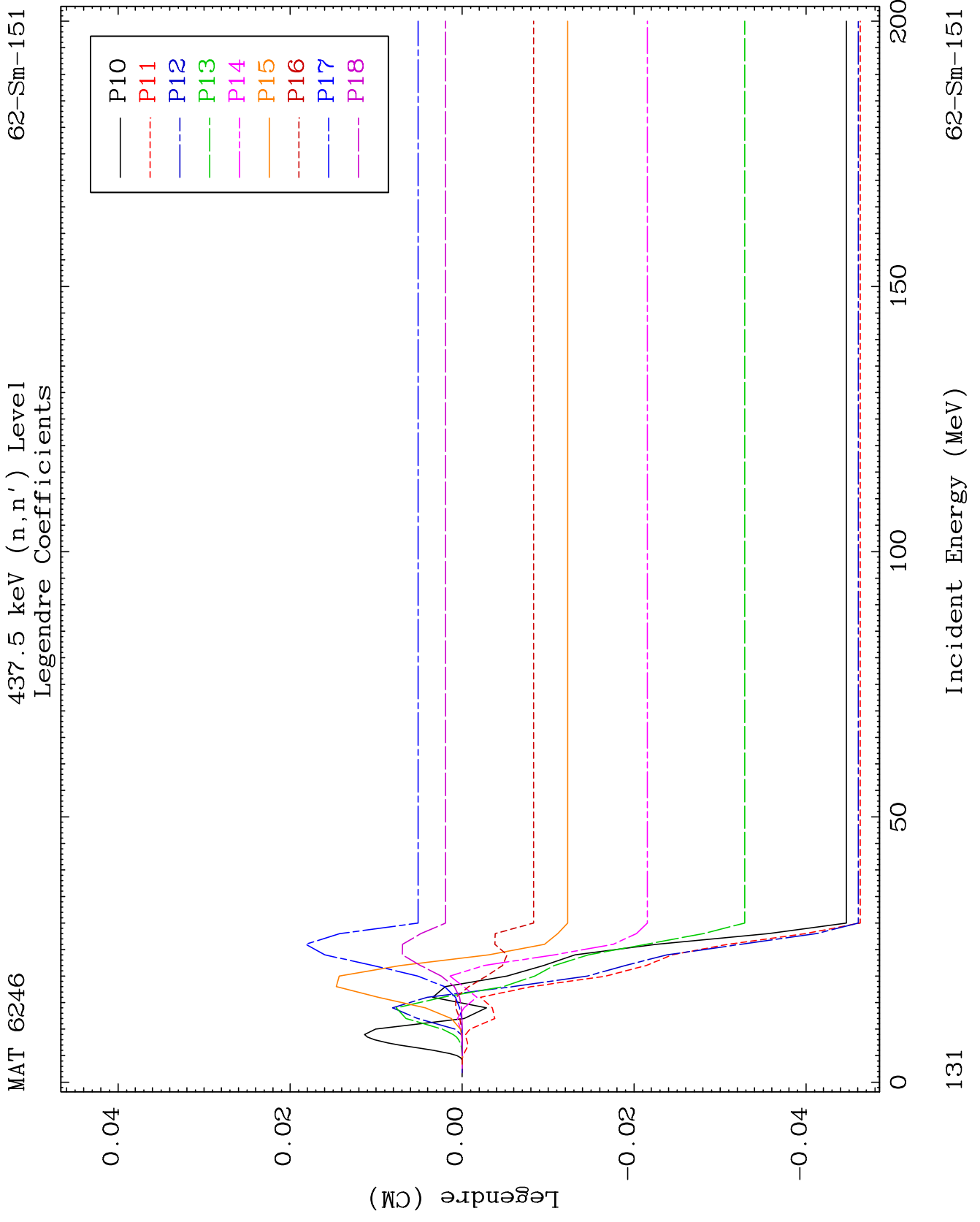
62-Sm-151

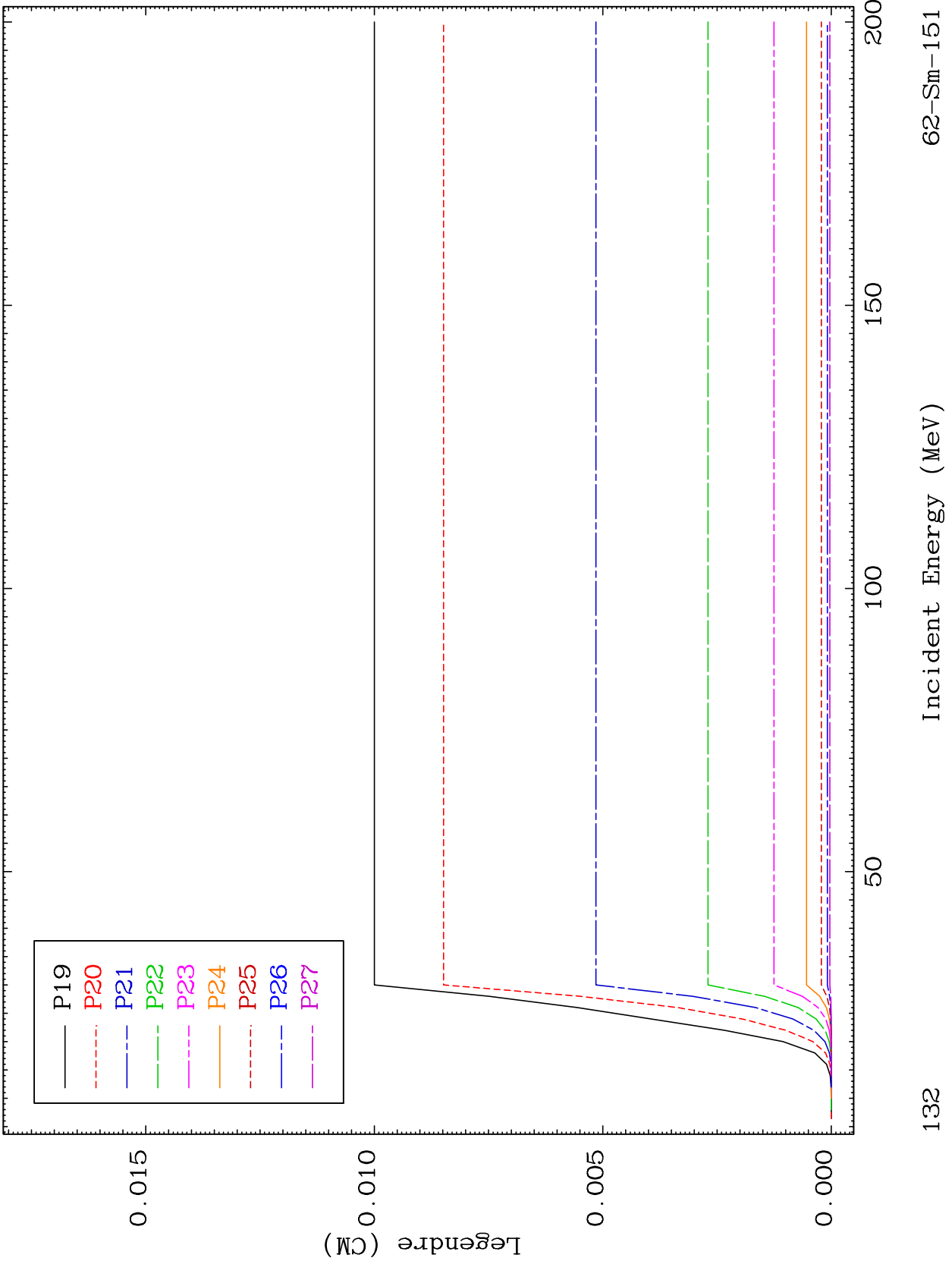


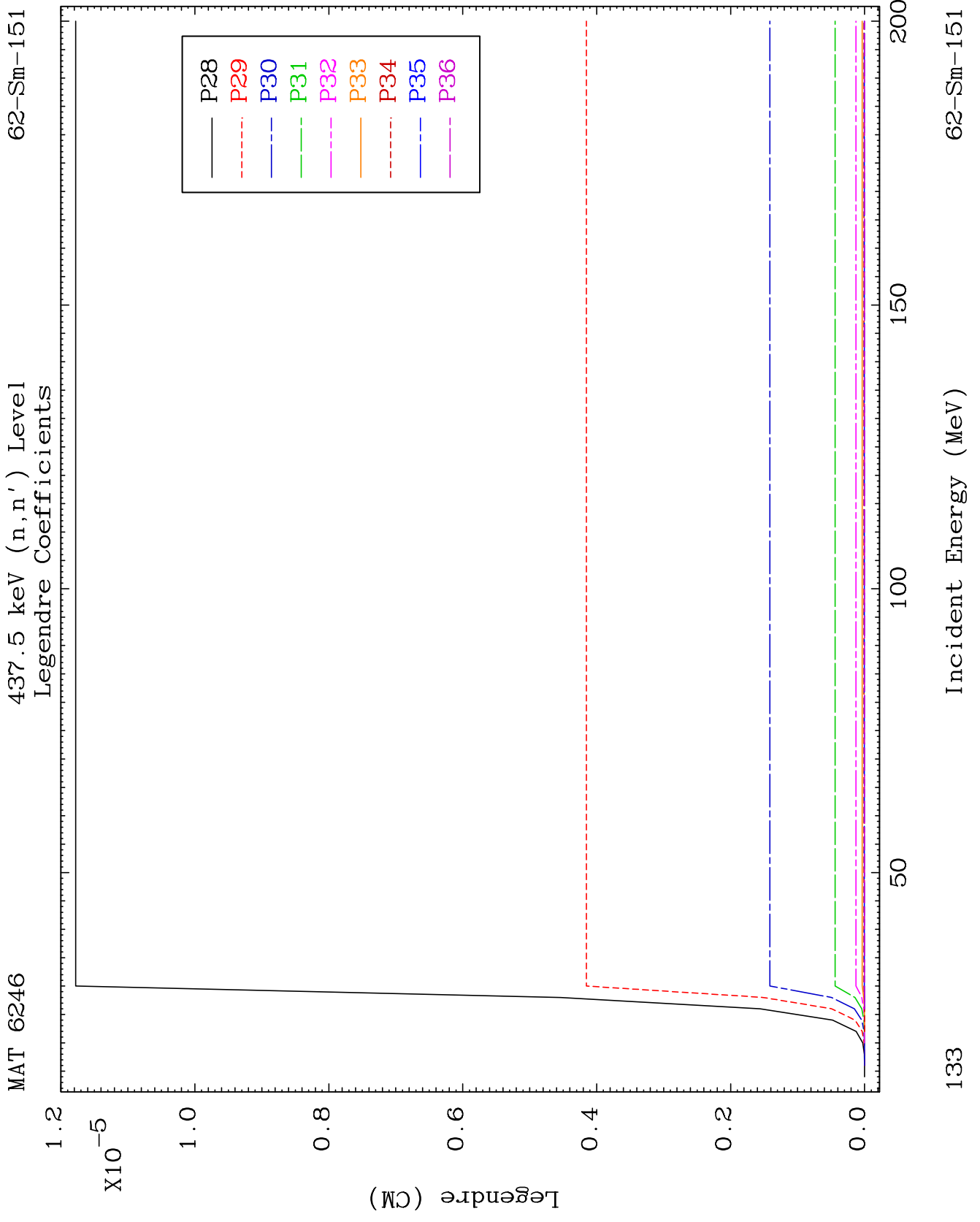
62-Sm-151

Incident Energy (MeV)

130



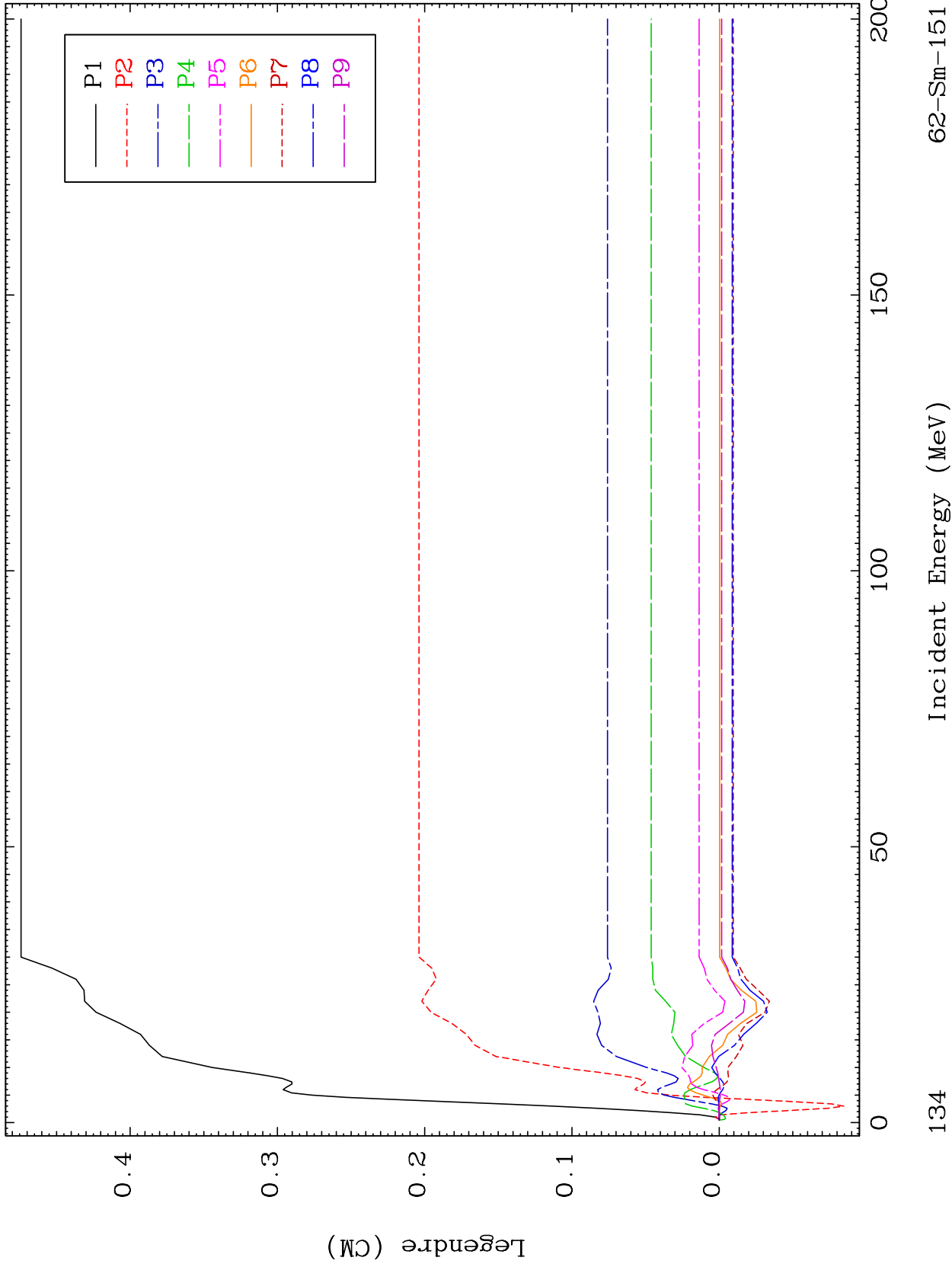




MAT 6246

445.2 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

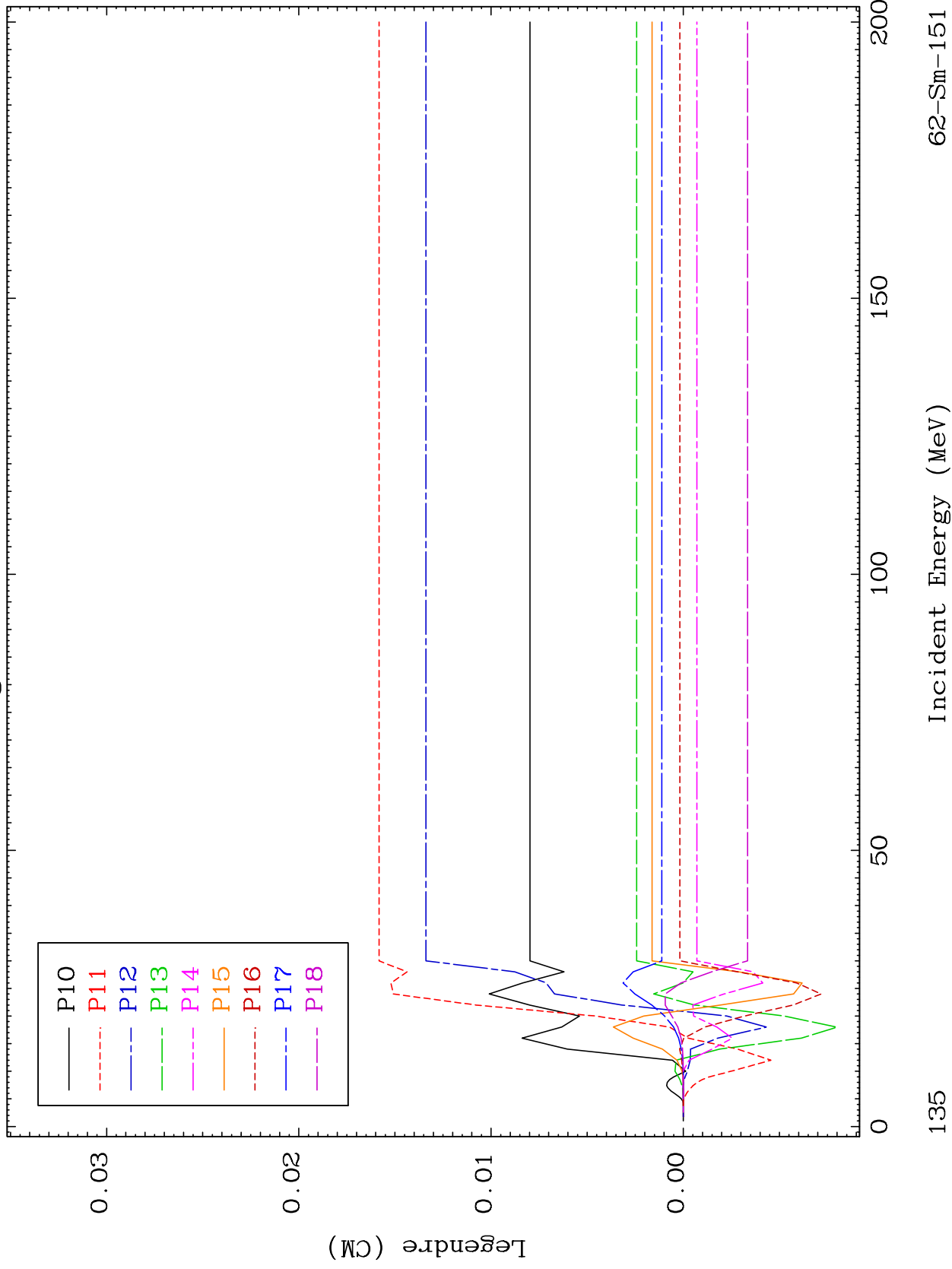
Incident Energy (MeV)

134

MAT 6246

445.2 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

Incident Energy (MeV)

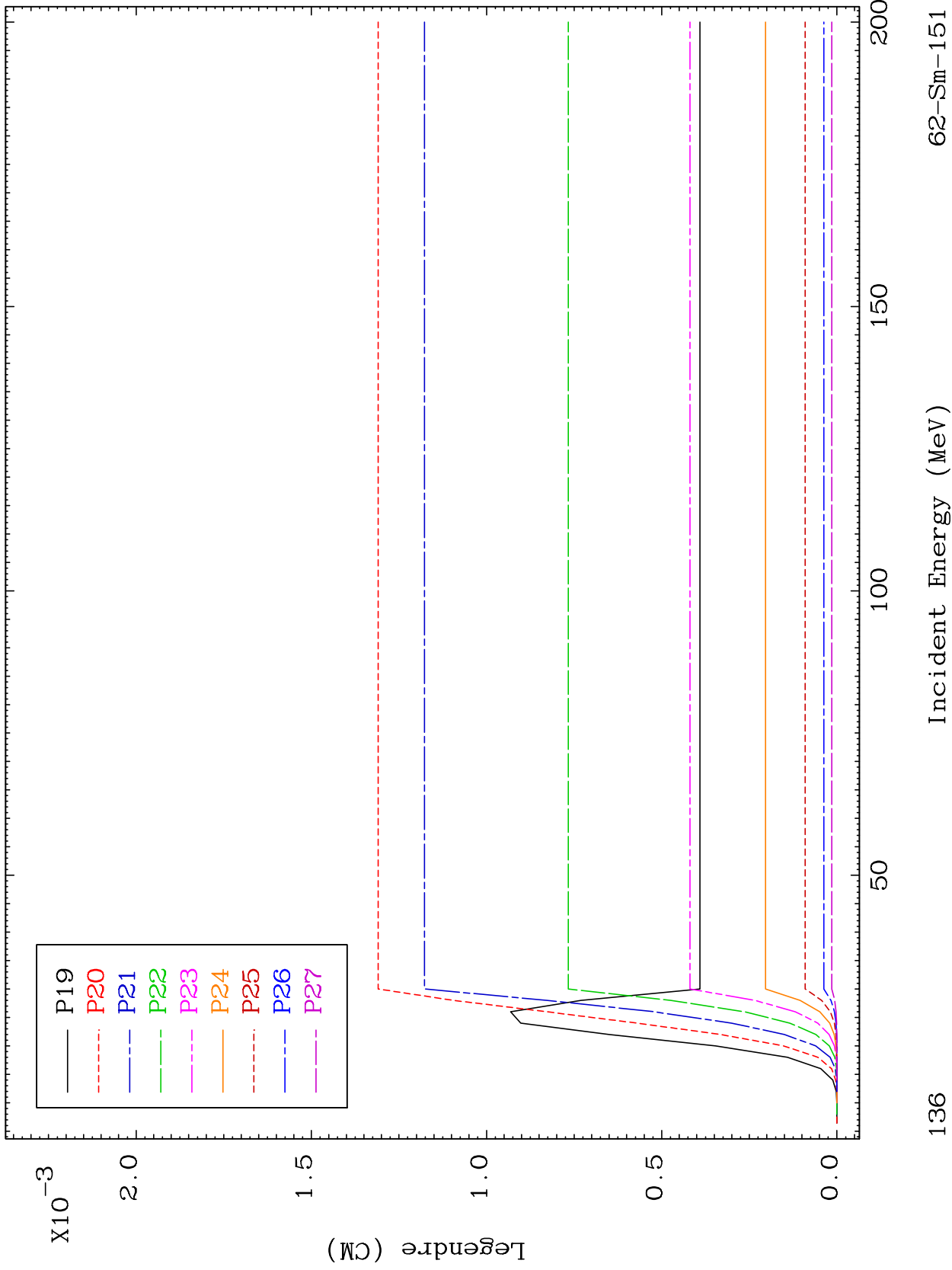
135



MAT 6246

445.2 keV (n, n') Level  
Legendre Coefficients

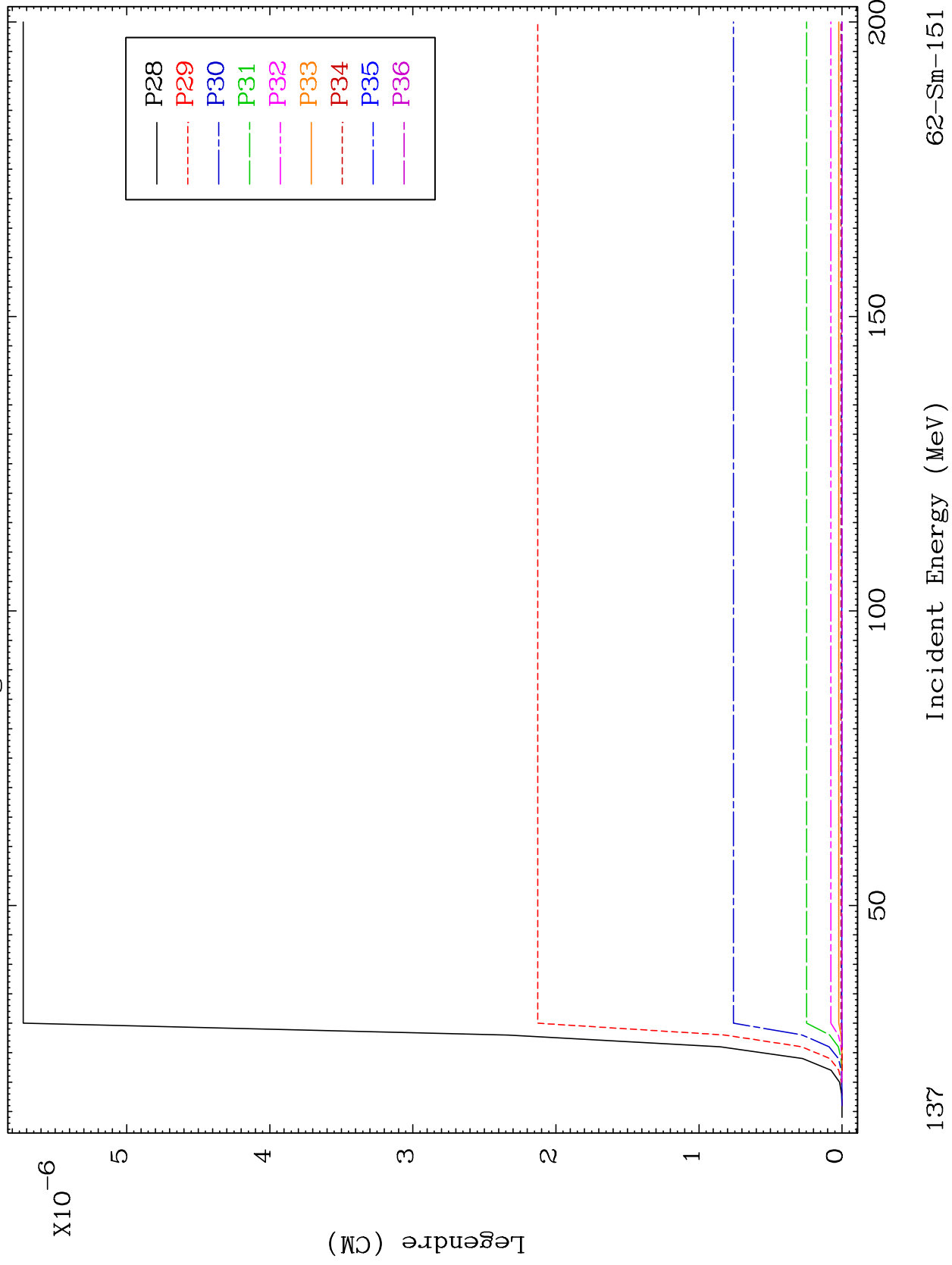
62-Sm-151



MAT 6246

445.2 keV (n,n') Level  
Legendre Coefficients

62-Sm-151



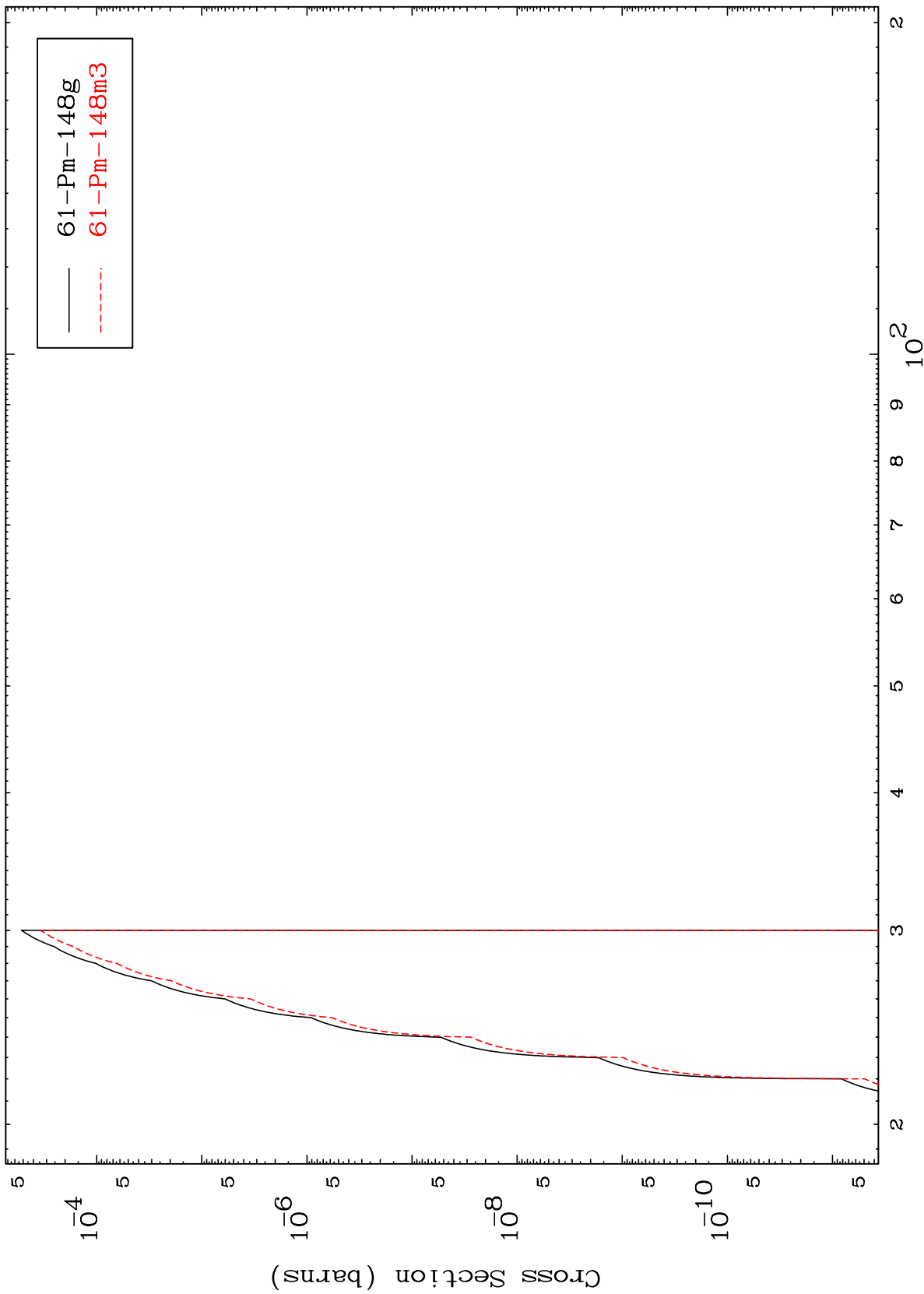
137

MAT 6246

(n,2n) d

62-Sm-151

Radionuclide Production Cross Section



138

Incident Energy (MeV)

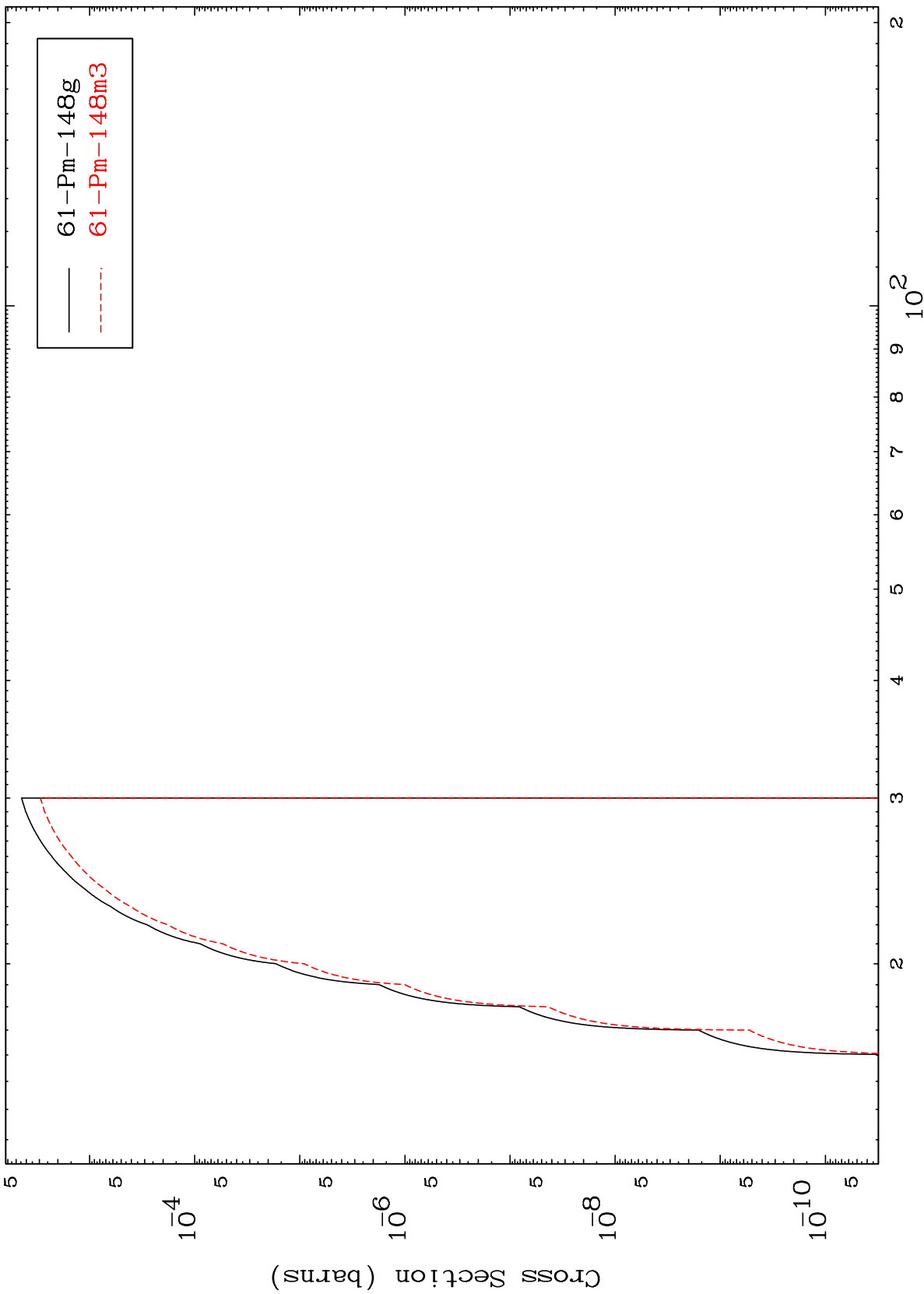
62-Sm-151

MAT 6246

(n,n') t

62-Sm-151

Radionuclide Production Cross Section



139

Incident Energy (MeV)

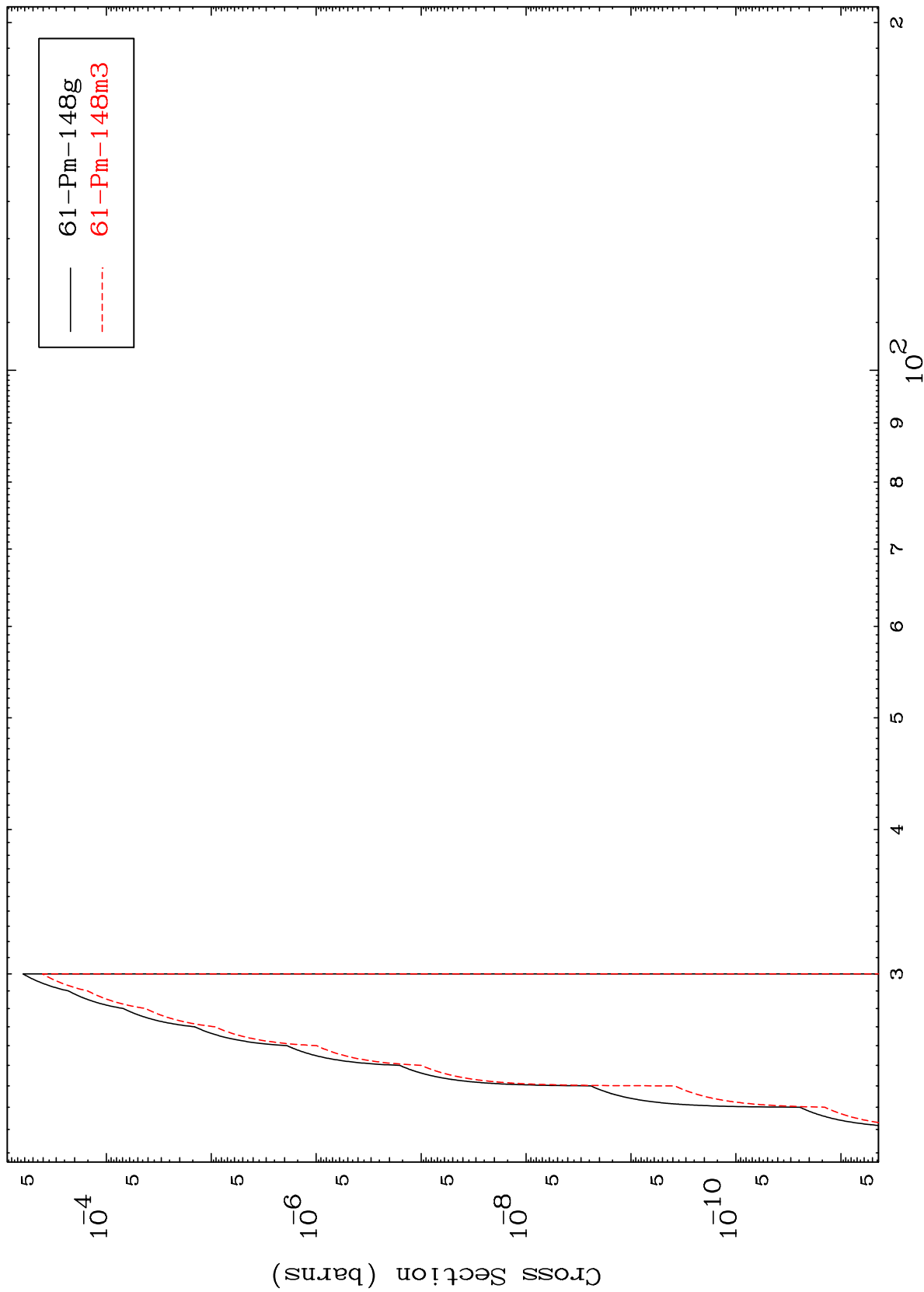
62-Sm-151

MAT 6246

(n,3n) p

62-Sm-151

Radionuclide Production Cross Section



140

Incident Energy (MeV)

62-Sm-151