

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

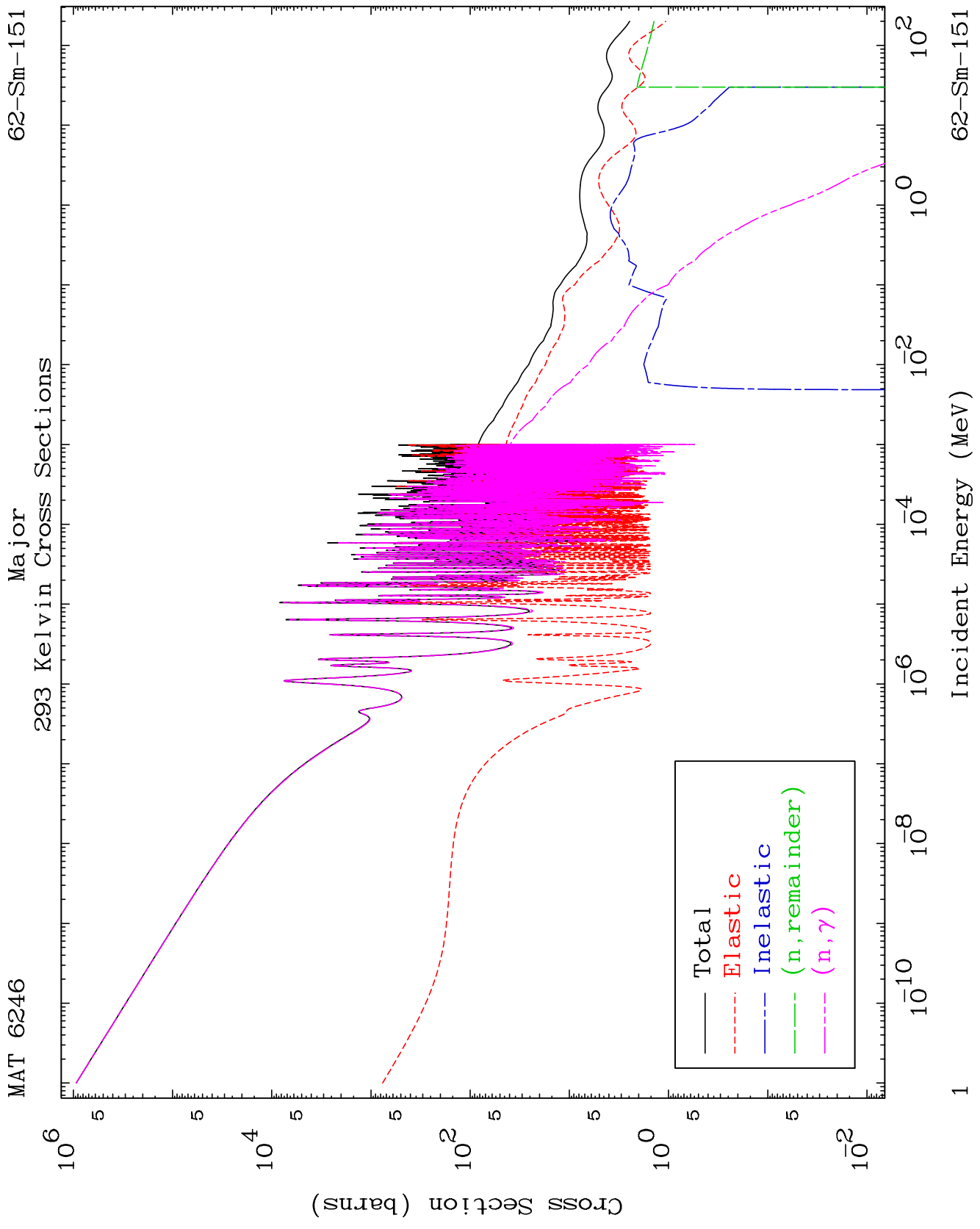
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E.Mail:redcullen1@comcast.net

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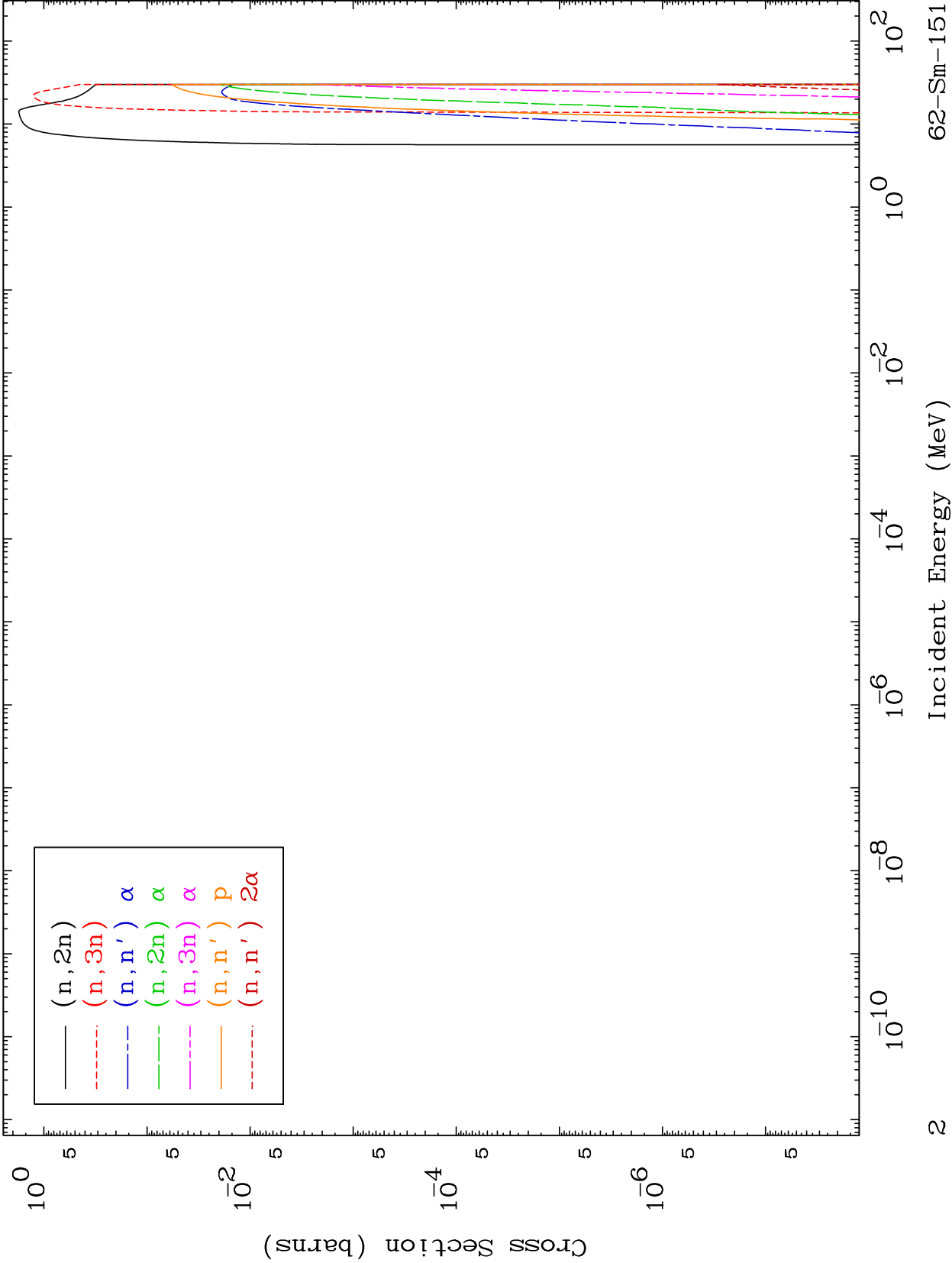
Press Mouse Button to Start



MAT 6246

Neutron Production  
293 Kelvin Cross Sections

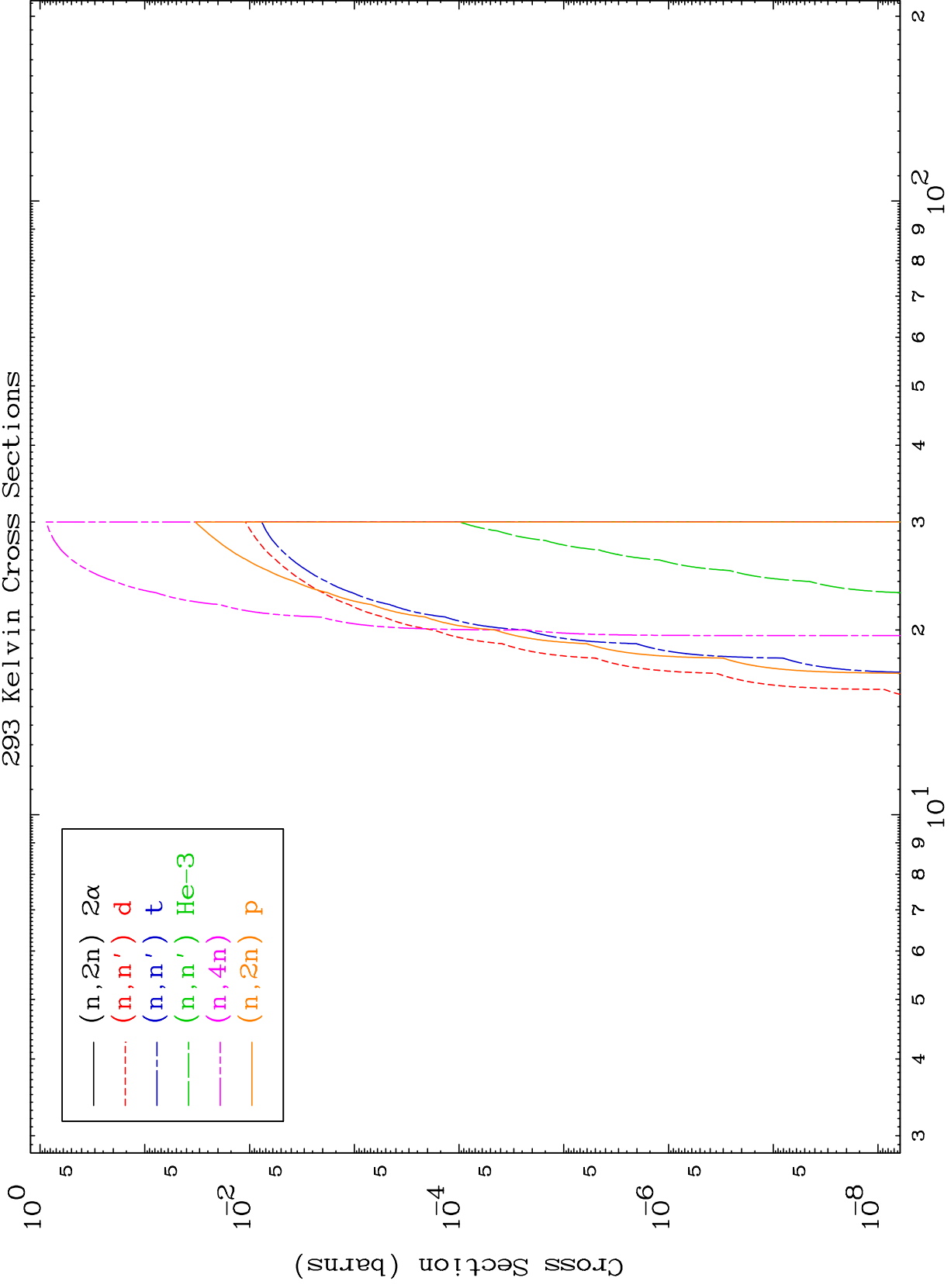
62-Sm-151



MAT 6246

Neutron Production  
293 Kelvin Cross Sections

62-Sm-151



Incident Energy (MeV)

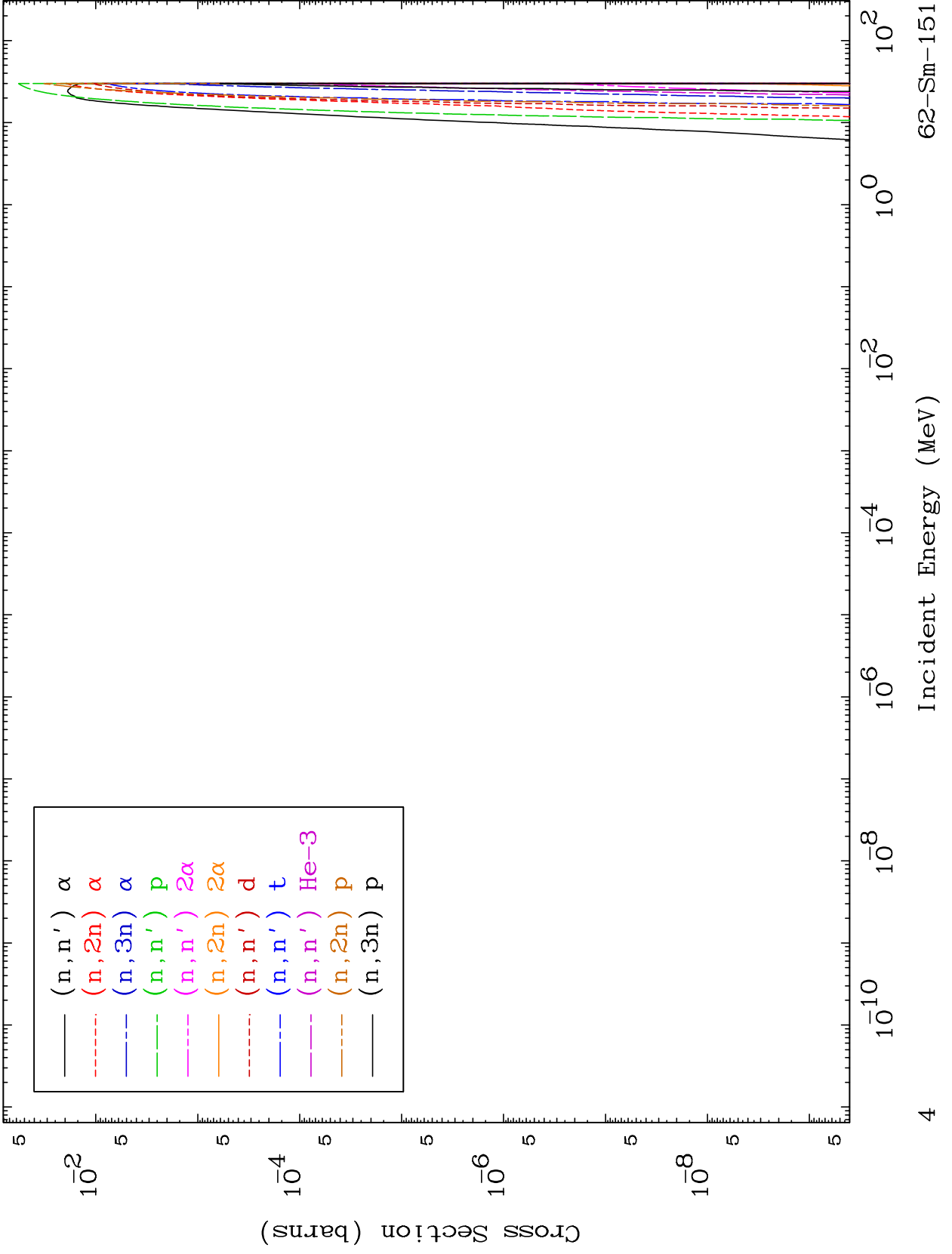
62-Sm-151

3

MAT 6246

Charged Particle  
293 Kelvin Cross Sections

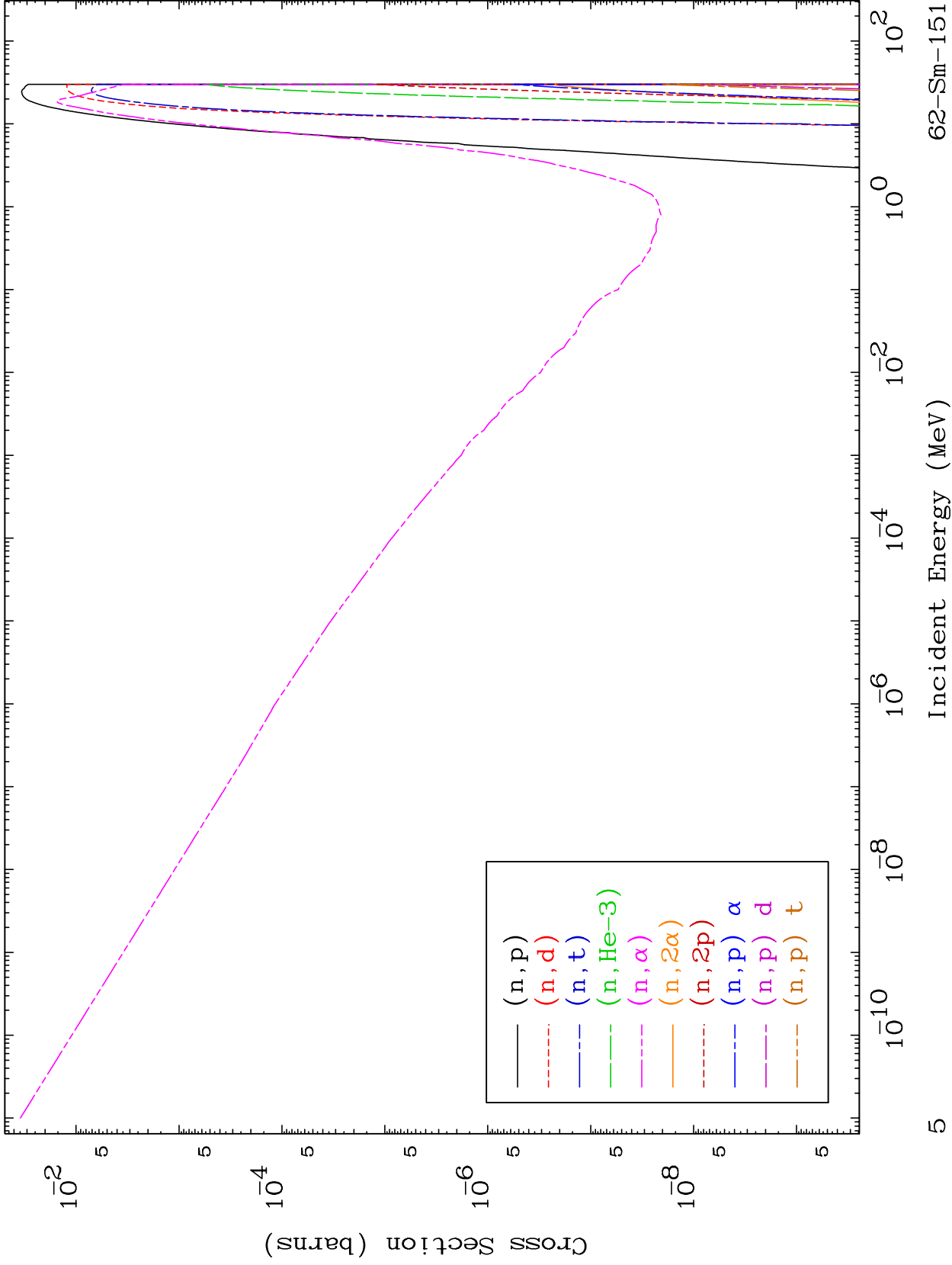
62-Sm-151



MAT 6246

Charged Particle  
293 Kelvin Cross Sections

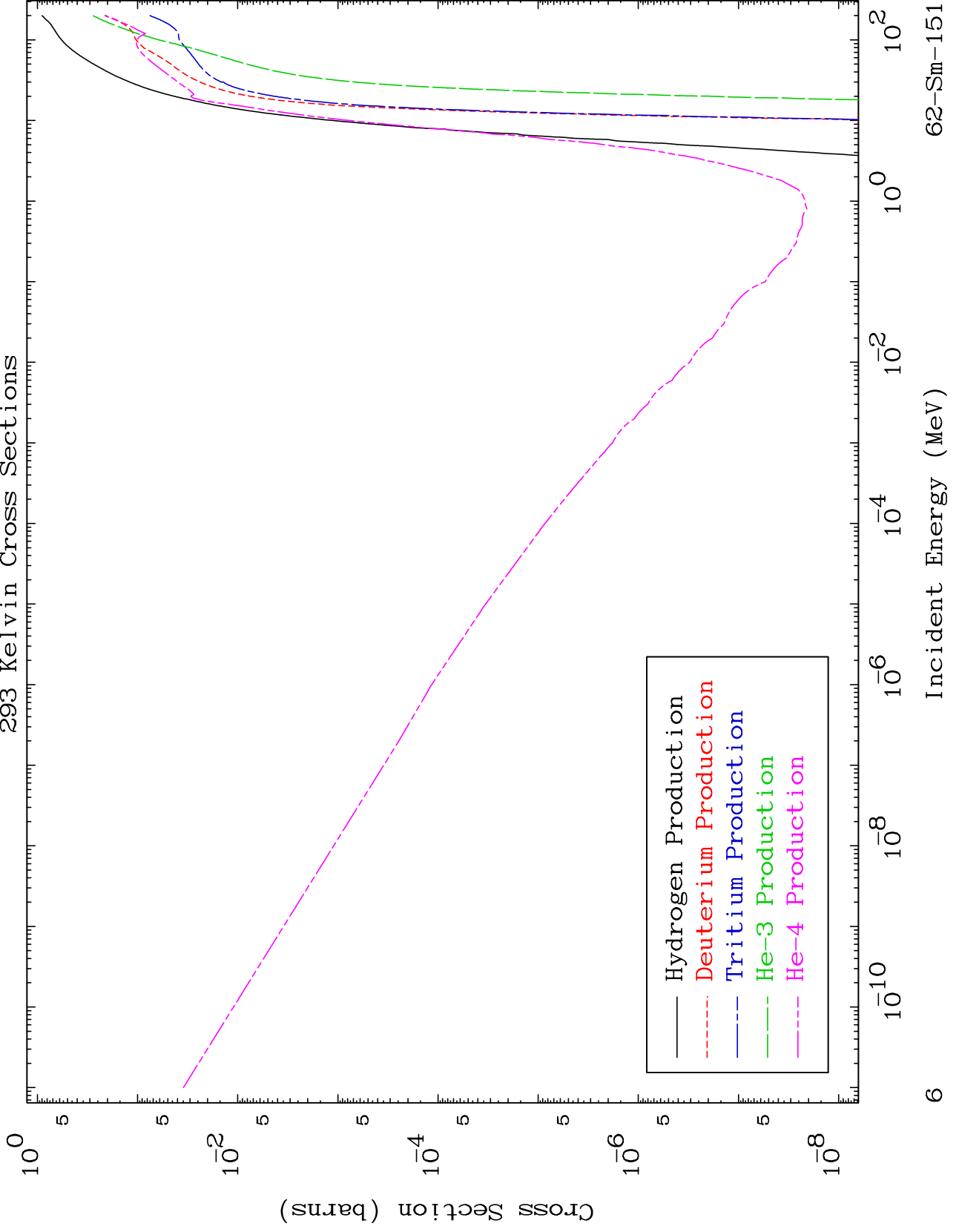
62-Sm-151



MAT 6246

Particle Production  
293 Kelvin Cross Sections

62-Sm-151

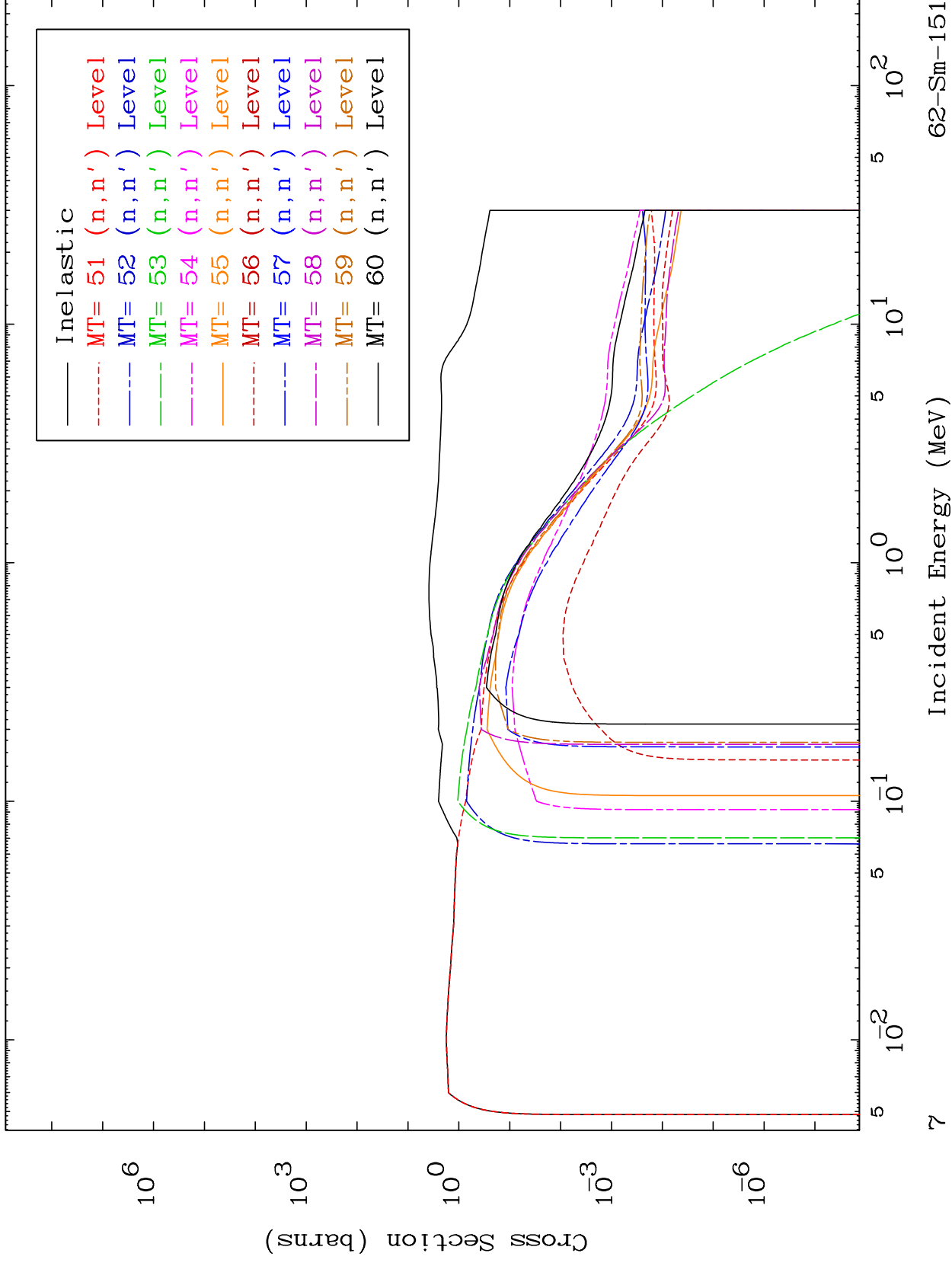


MAT 6246

(n,n') Level

62-Sm-151

293 Kelvin Cross Sections



62-Sm-151

Incident Energy (MeV)

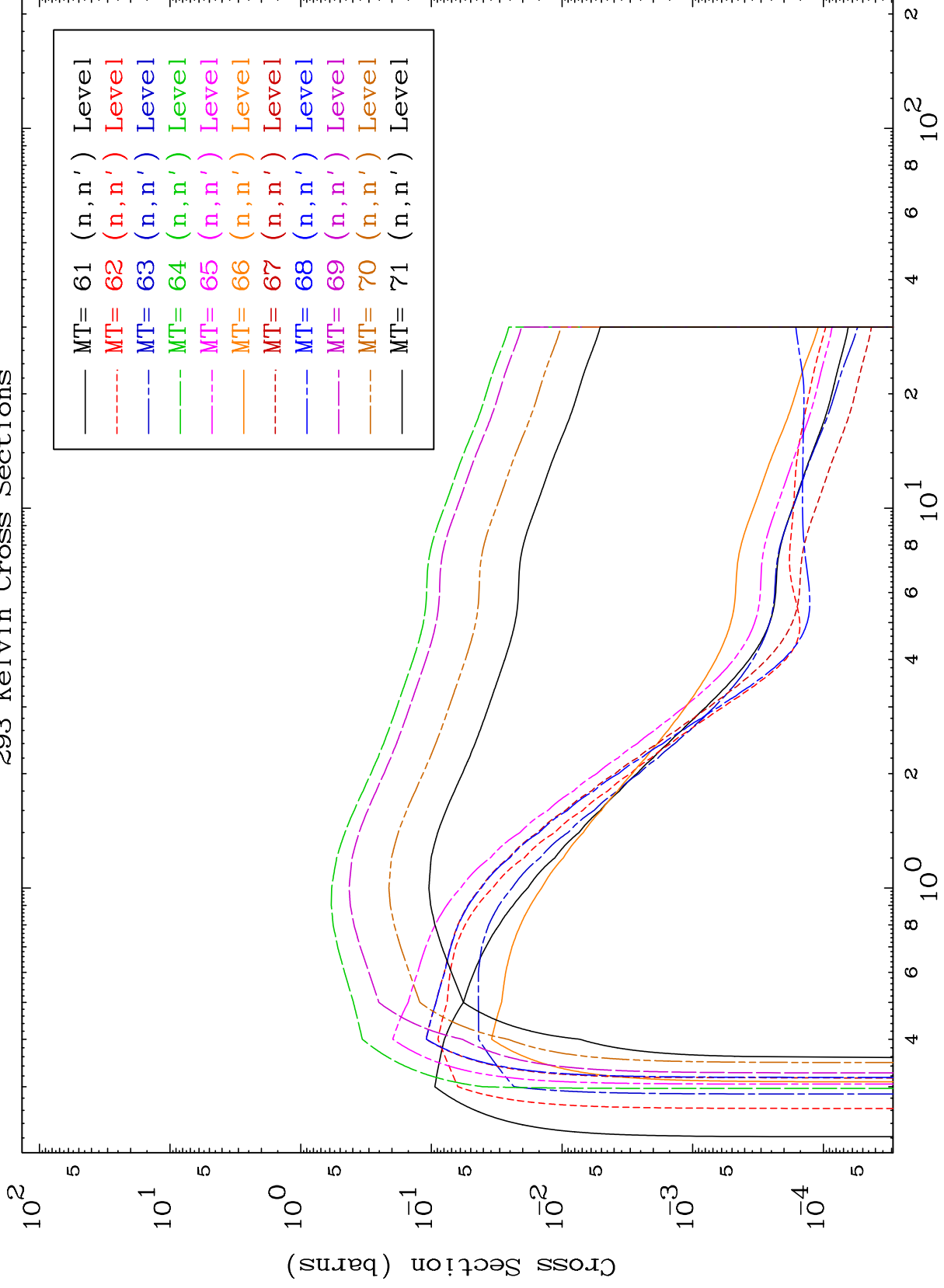


MAT 6246

(n,n') Level

62-Sm-151

293 Kelvin Cross Sections



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Incident Energy (MeV)

62-Sm-151

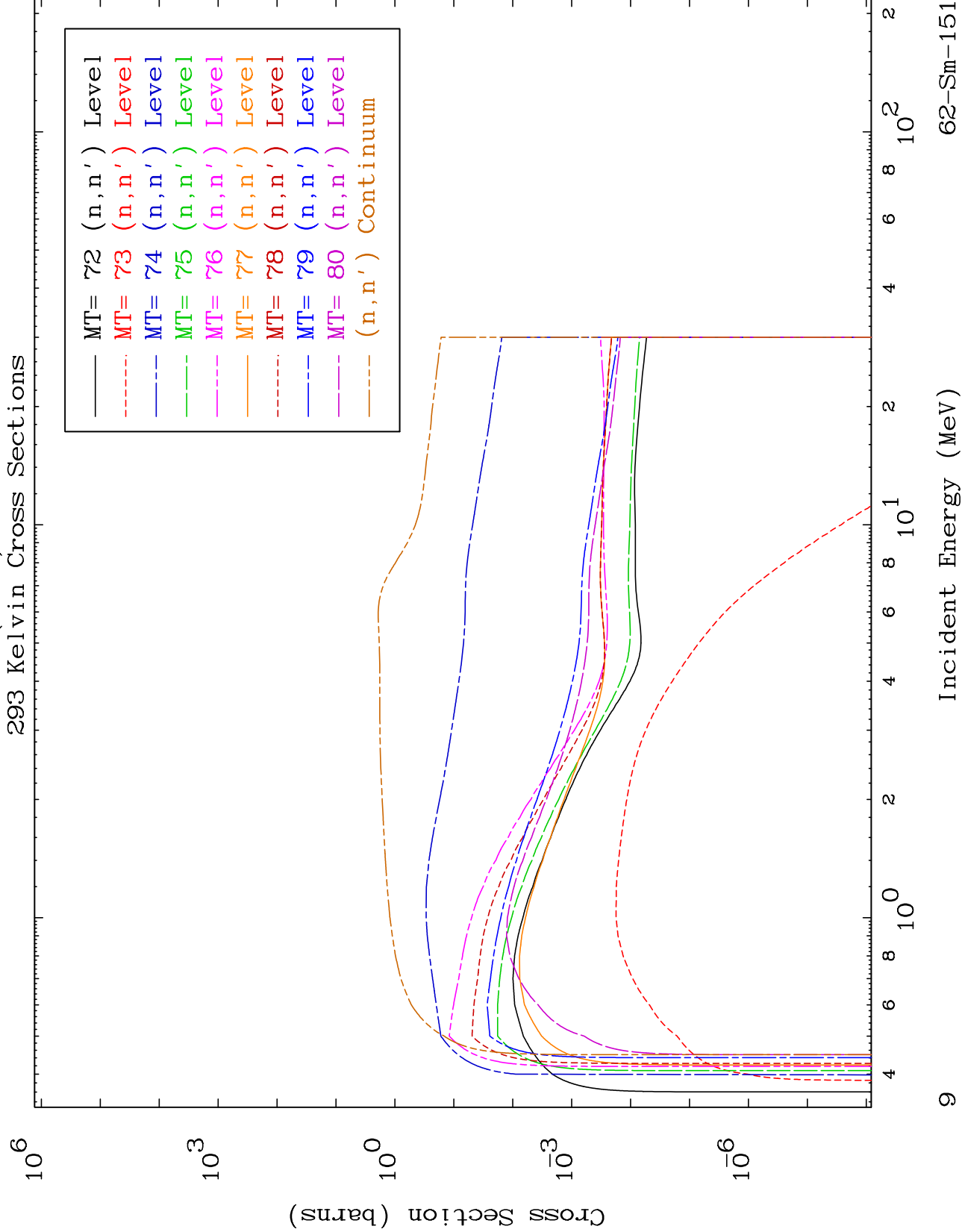
MAT 6246

(n,n') Level

62-Sm-151

293 Kelvin Cross Sections

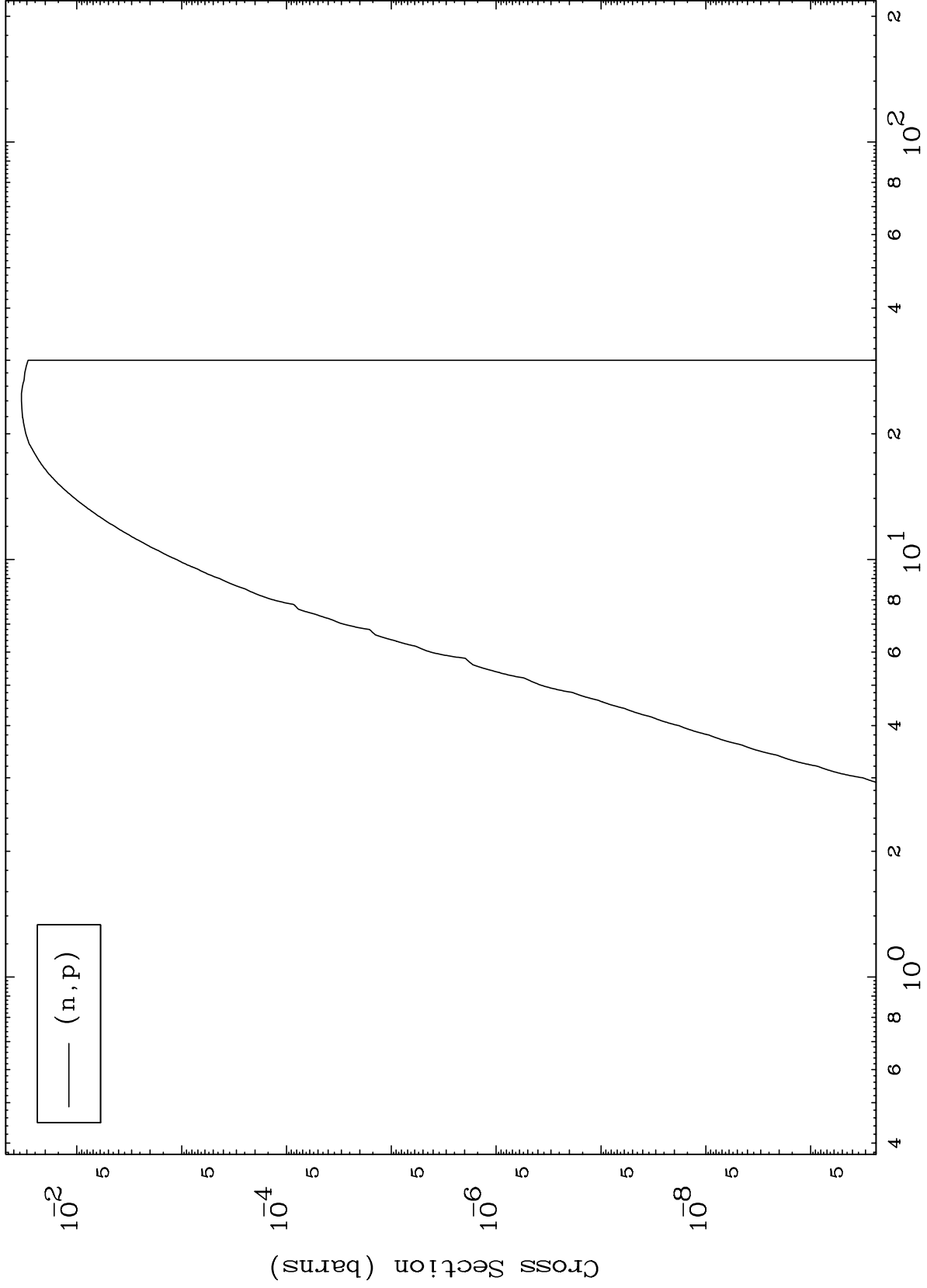
62-Sm-151



MAT 6246

(n,p) Levels  
293 Kelvin Cross Sections

62-Sm-151



10

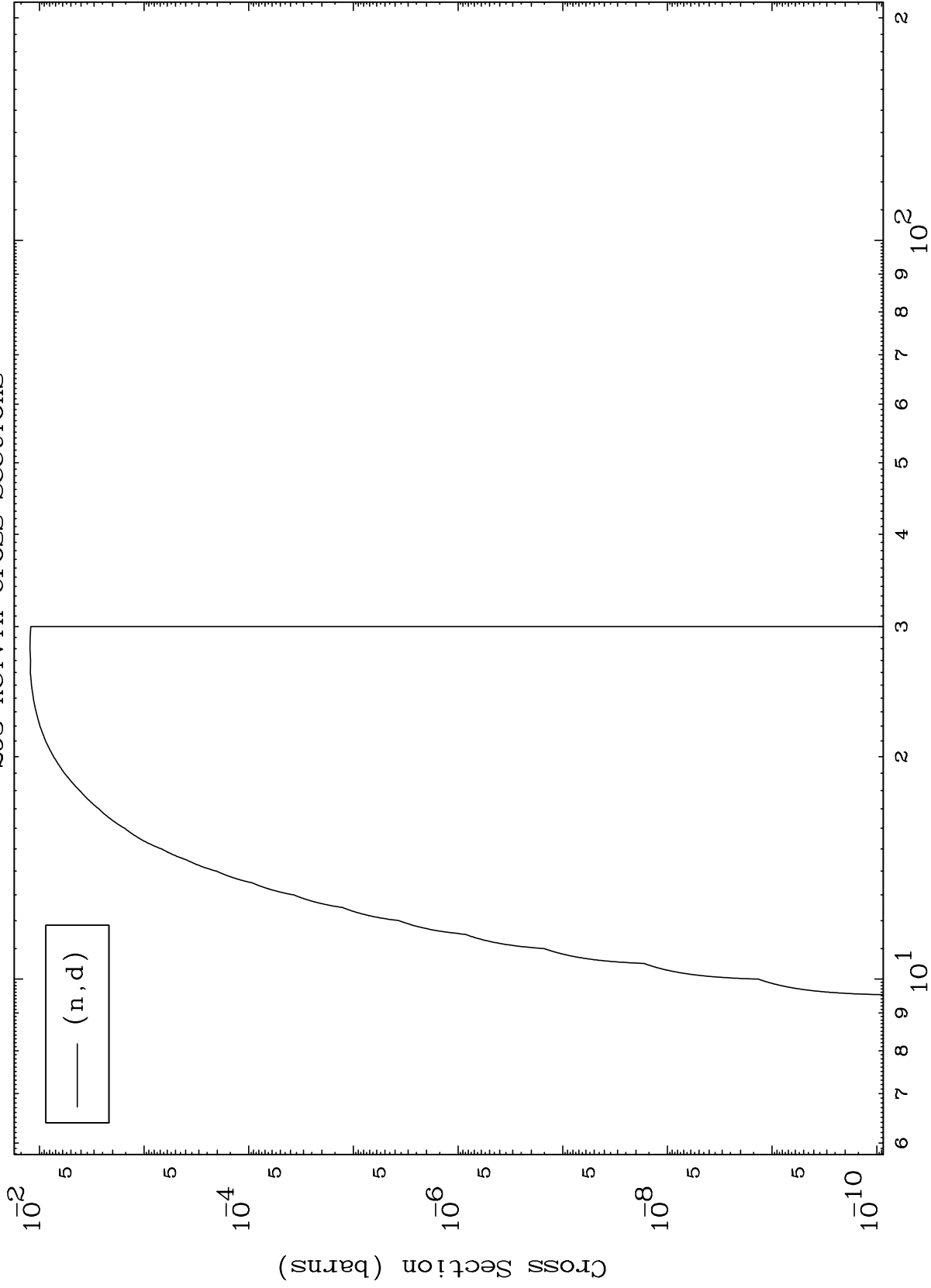
Incident Energy (MeV)

62-Sm-151

MAT 6246

(n,d) Levels  
293 Kelvin Cross Sections

62-Sm-151



11

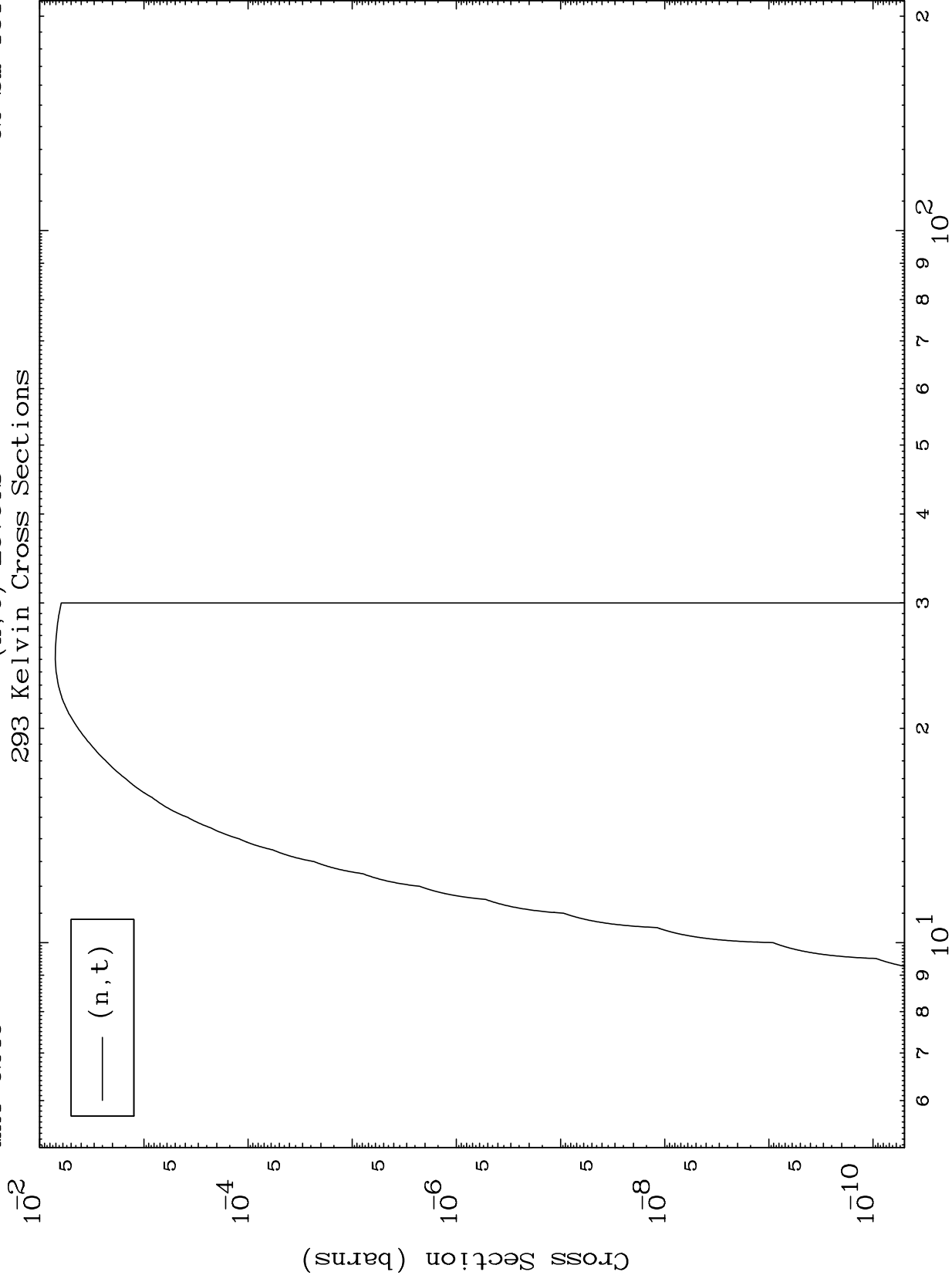
Incident Energy (MeV)

62-Sm-151

MAT 6246

(n, t) Levels  
293 Kelvin Cross Sections

62-Sm-151



12

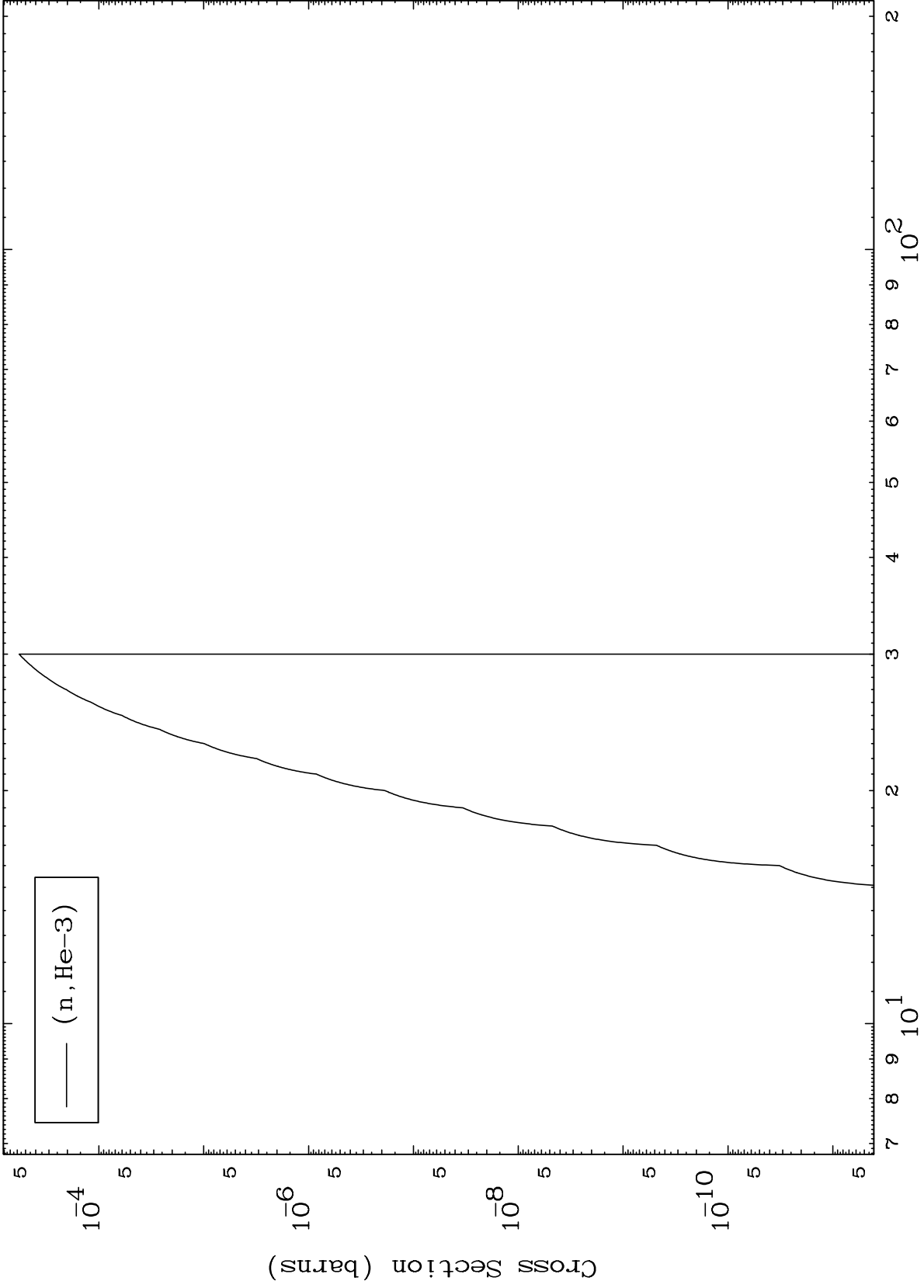
Incident Energy (MeV)

62-Sm-151

MAT 6246

(n,He3) Levels  
293 Kelvin Cross Sections

62-Sm-151



13

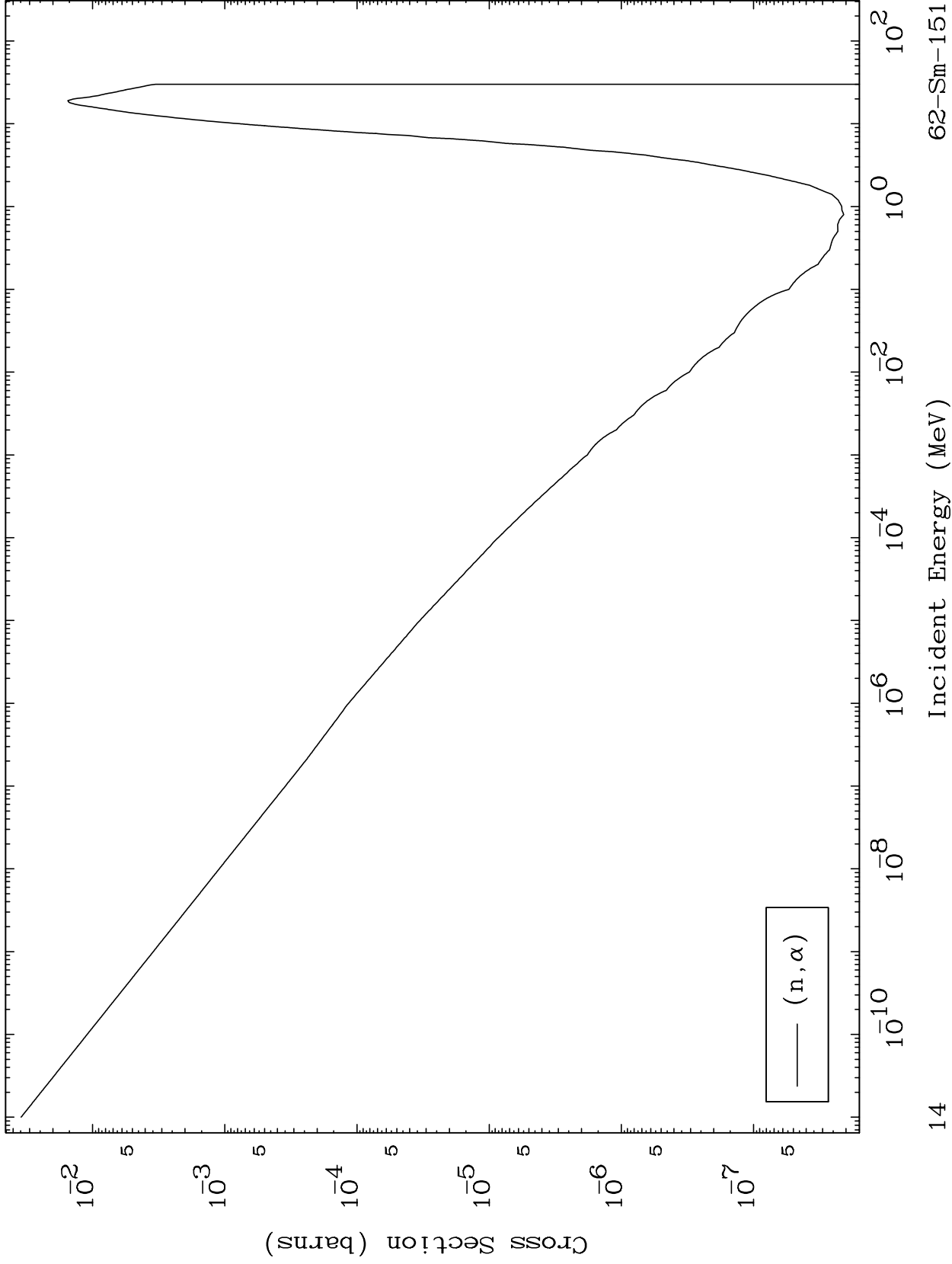
Incident Energy (MeV)

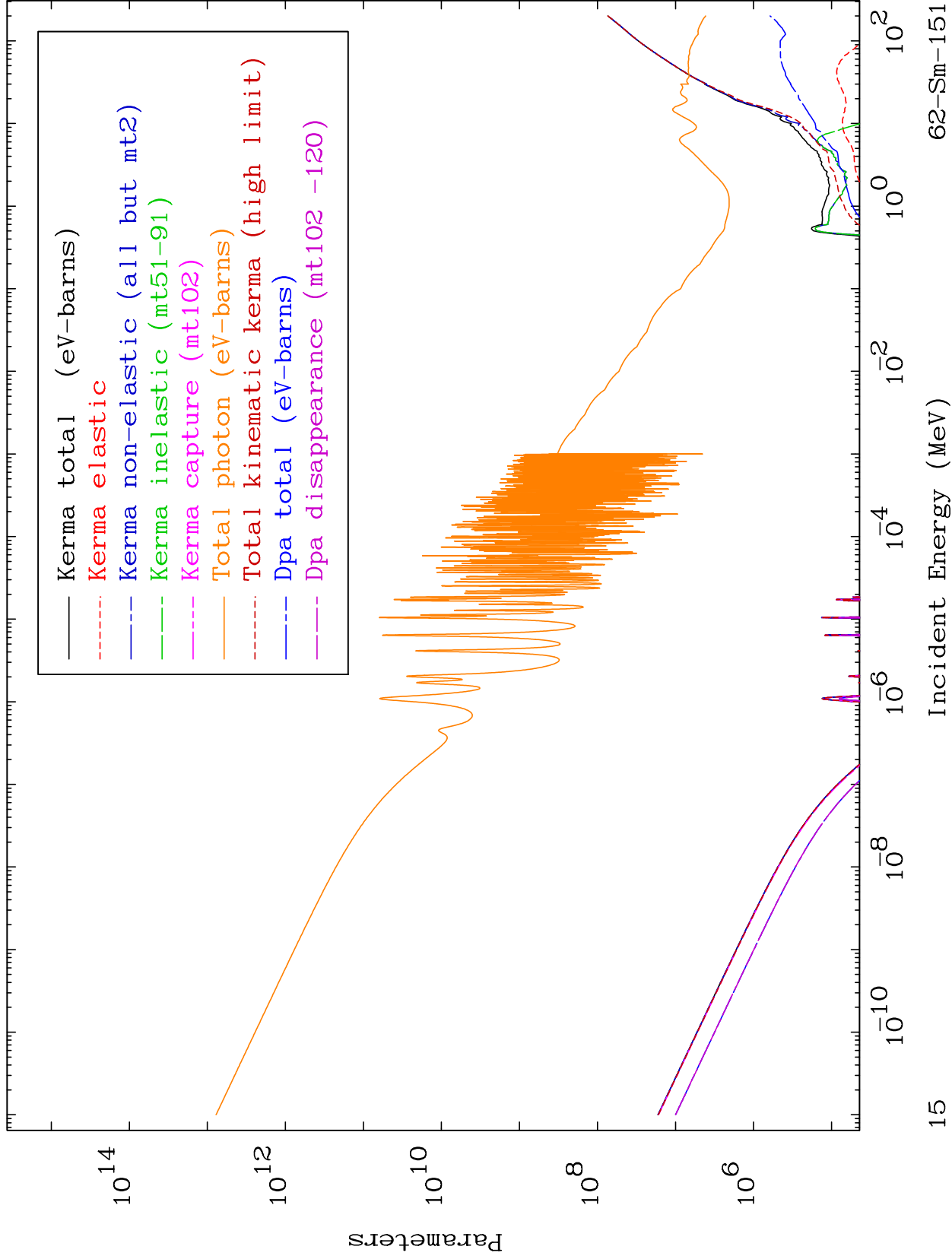
62-Sm-151

MAT 6246

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

62-Sm-151



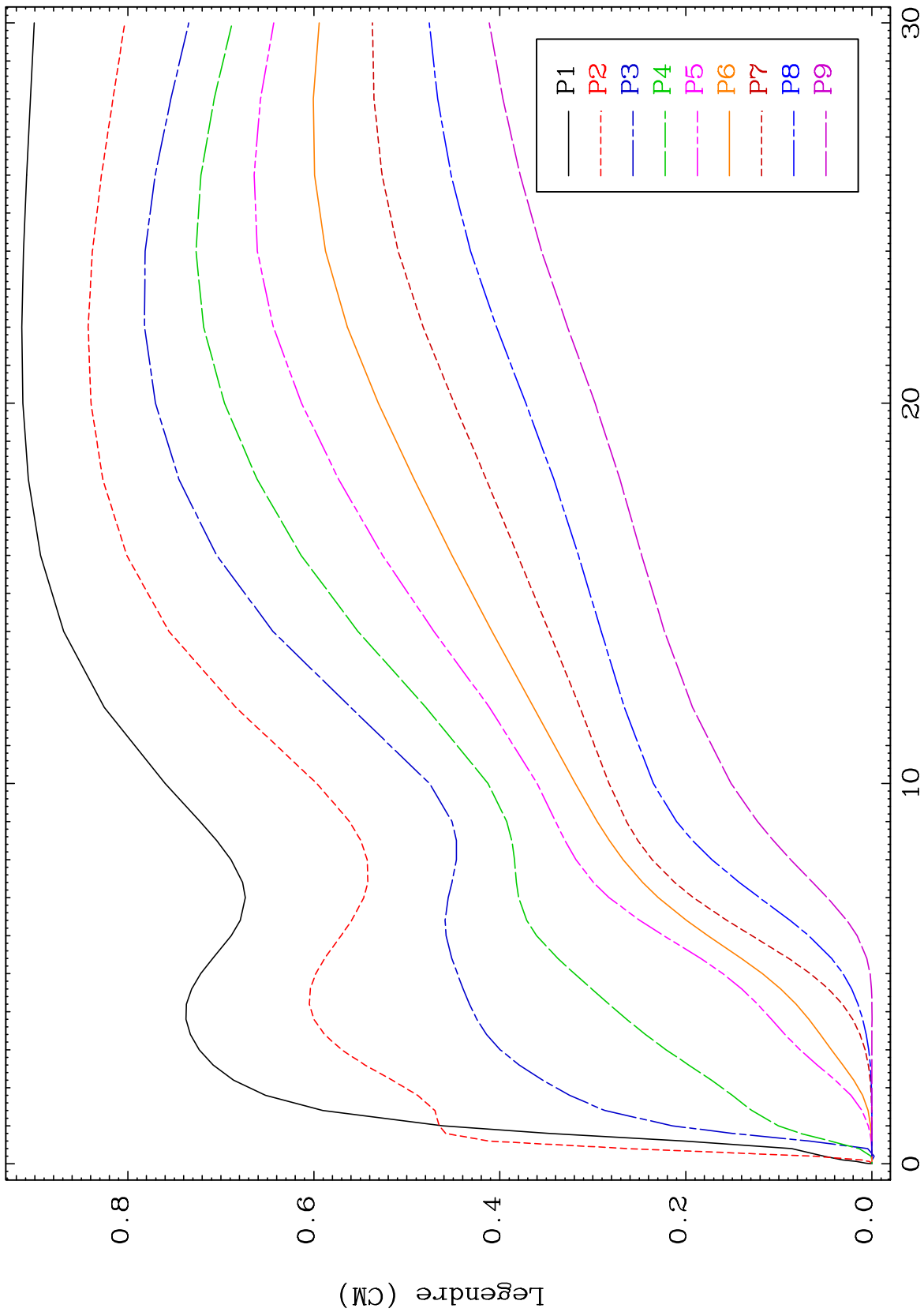




MAT 6246

Elastic Legendre Coefficients

62-Sm-151



16

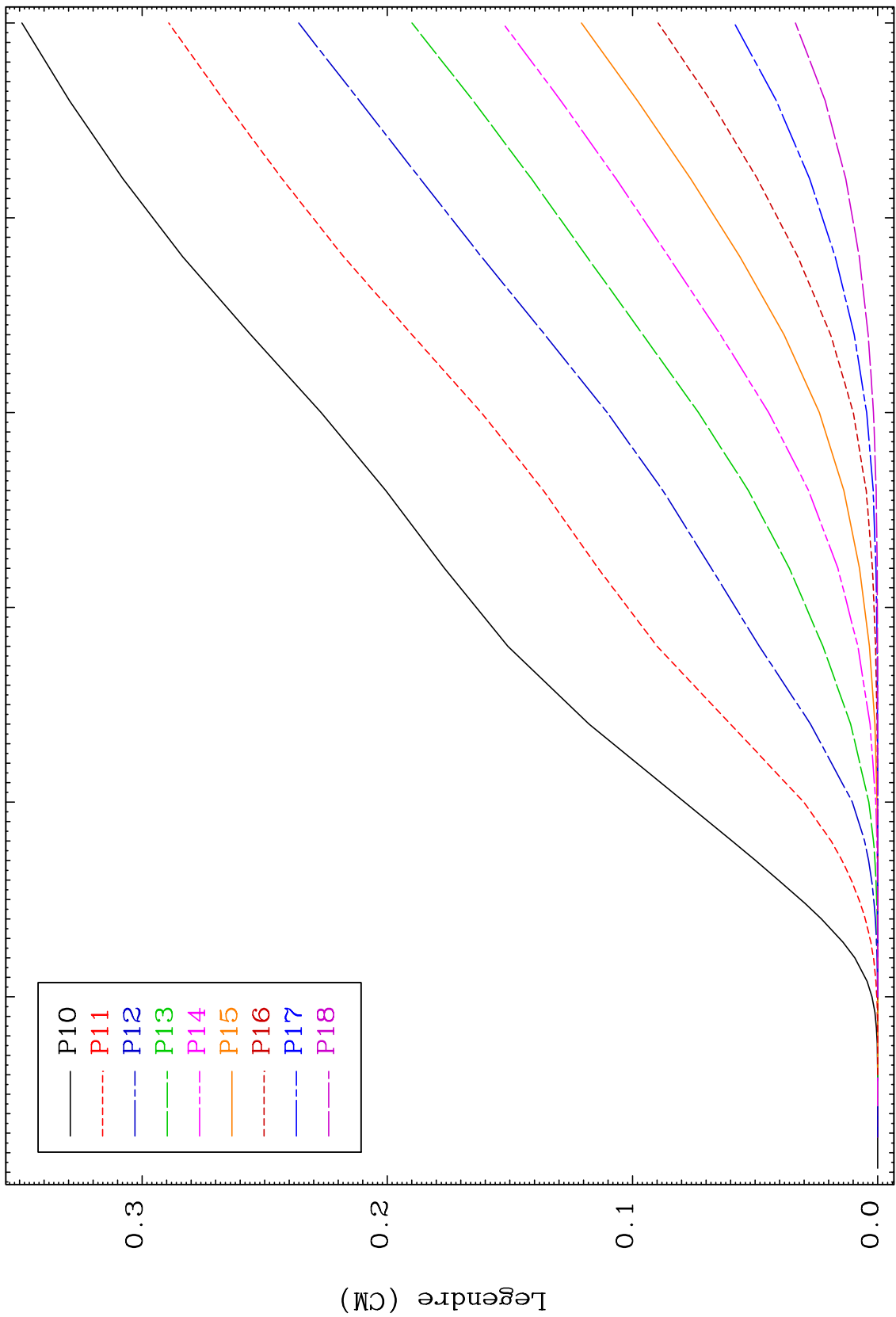
Incident Energy (MeV)

62-Sm-151

MAT 6246

Elastic Legendre Coefficients

62-Sm-151



17

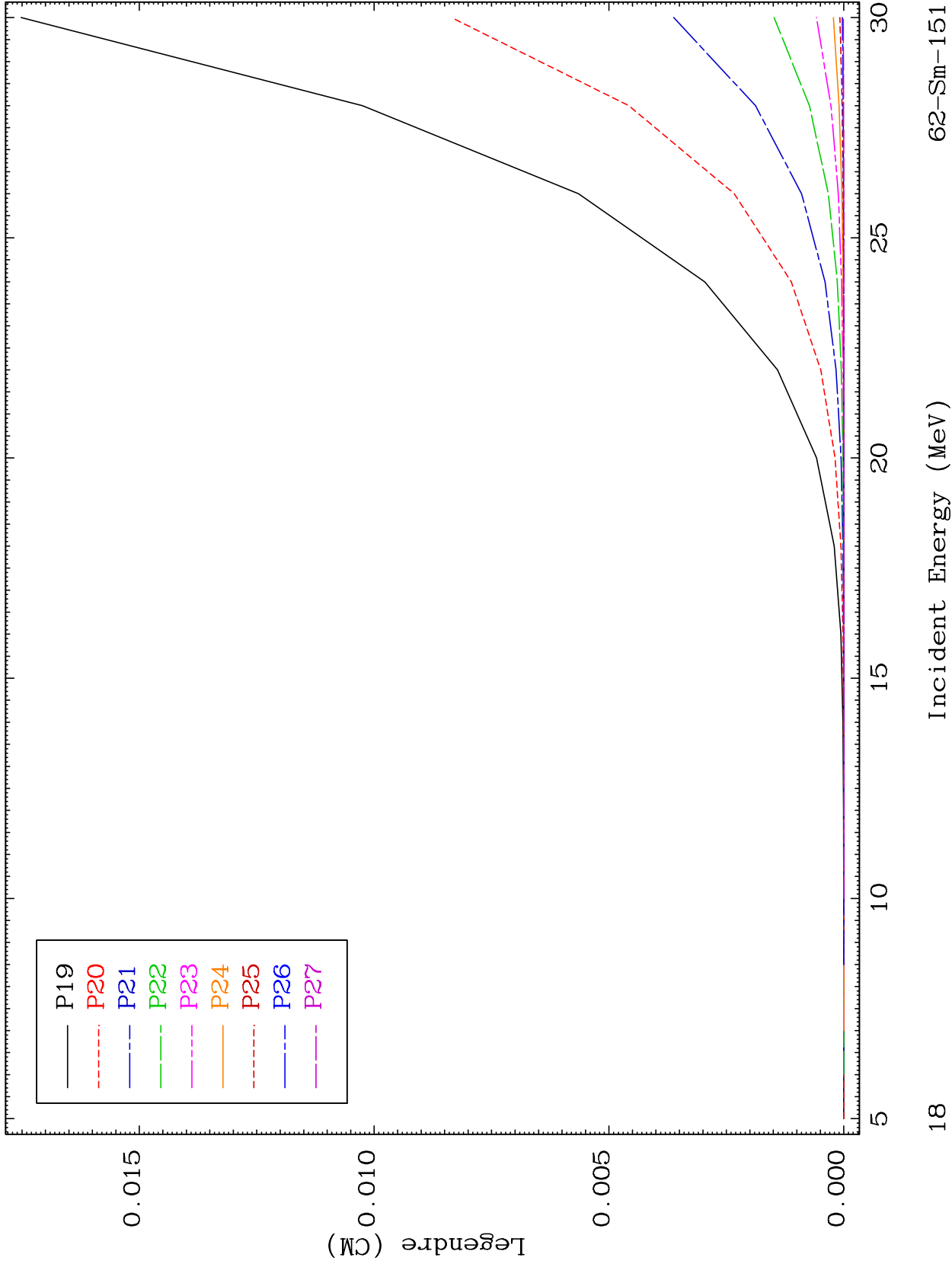
Incident Energy (MeV)

62-Sm-151

MAT 6246

Elastic Legendre Coefficients

62-Sm-151



18

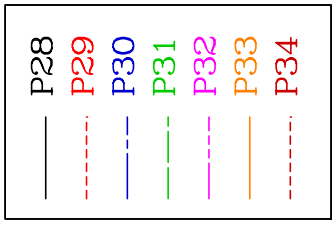
Incident Energy (MeV)

62-Sm-151

MAT 6246

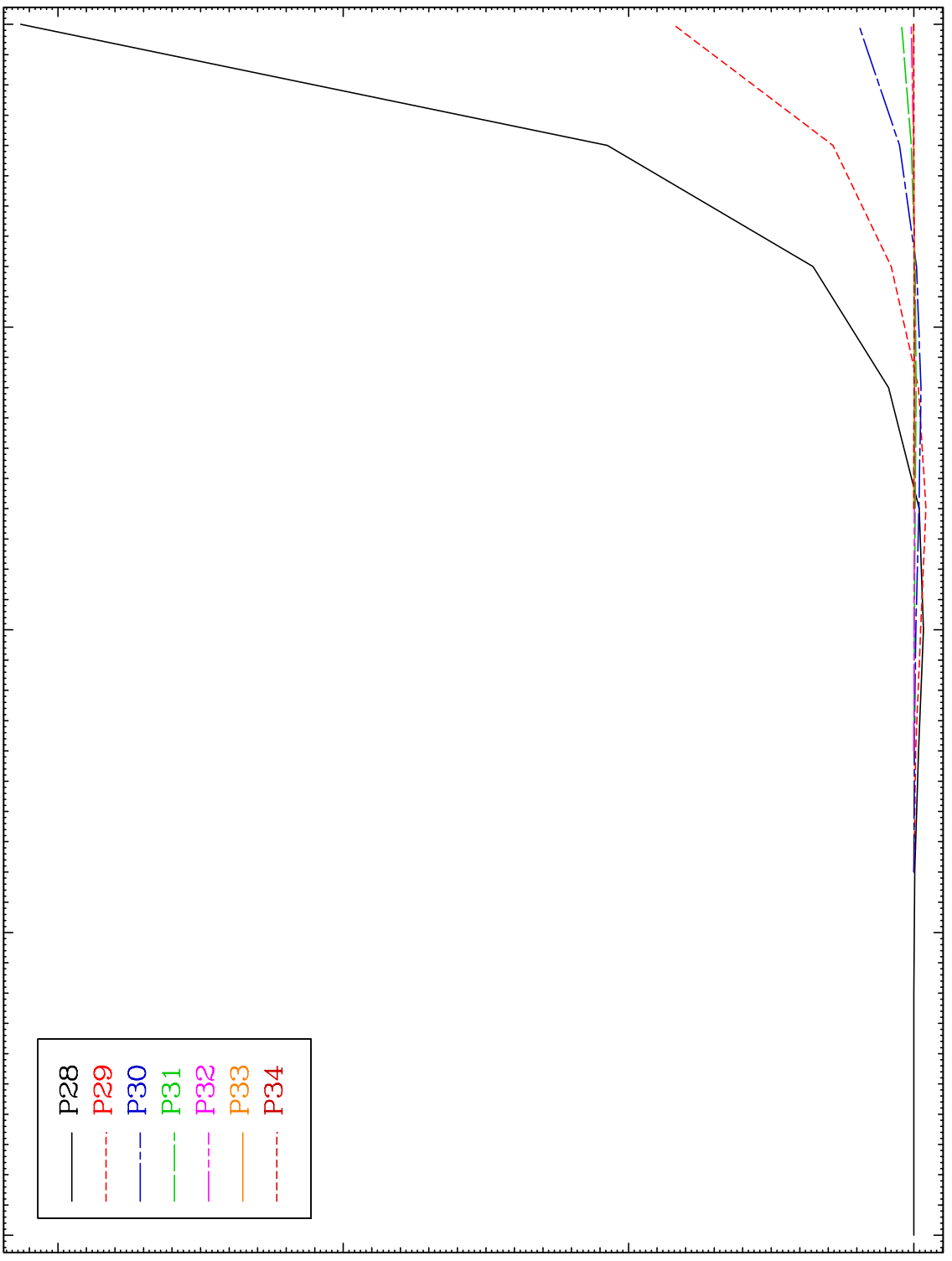
Elastic Legendre Coefficients

62-Sm-151



$\times 10^{-63}$

Legendre (CM)



10

15

20

25

30

Incident Energy (MeV)

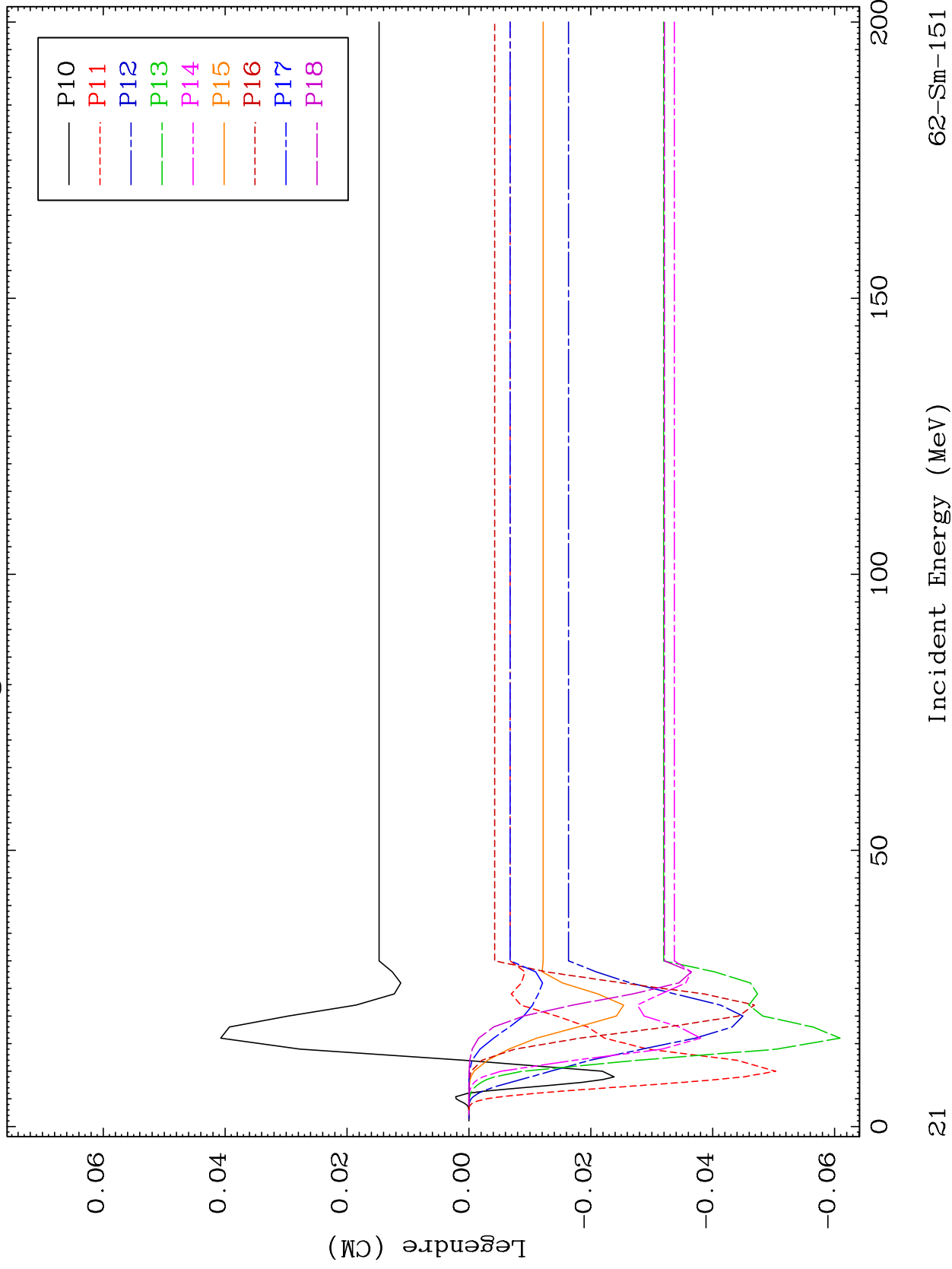
62-Sm-151



MAT 6246

MT= 51 (n,n') Level  
Legendre Coefficients

62-Sm-151



21

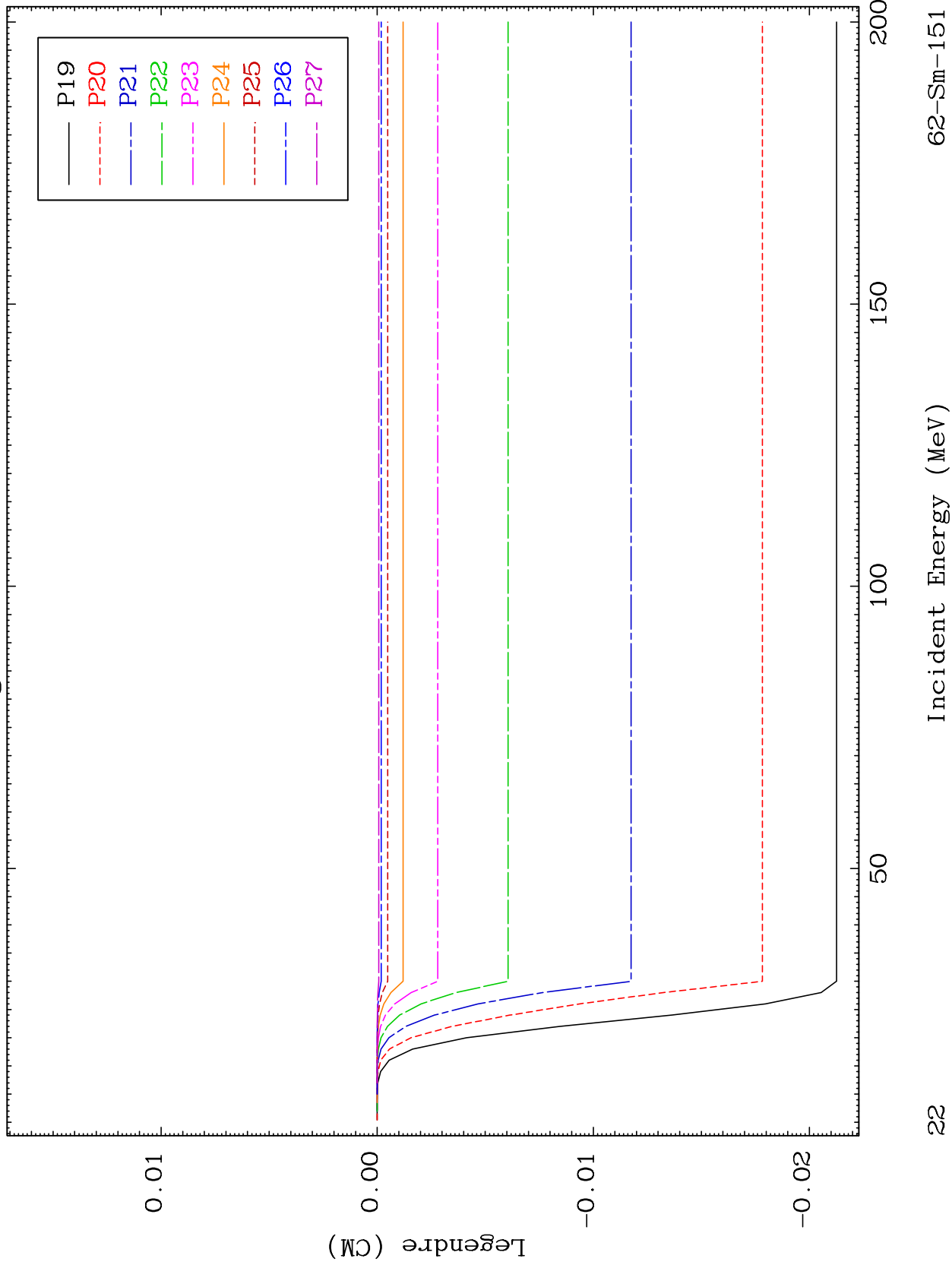
Incident Energy (MeV)

62-Sm-151

MAT 6246

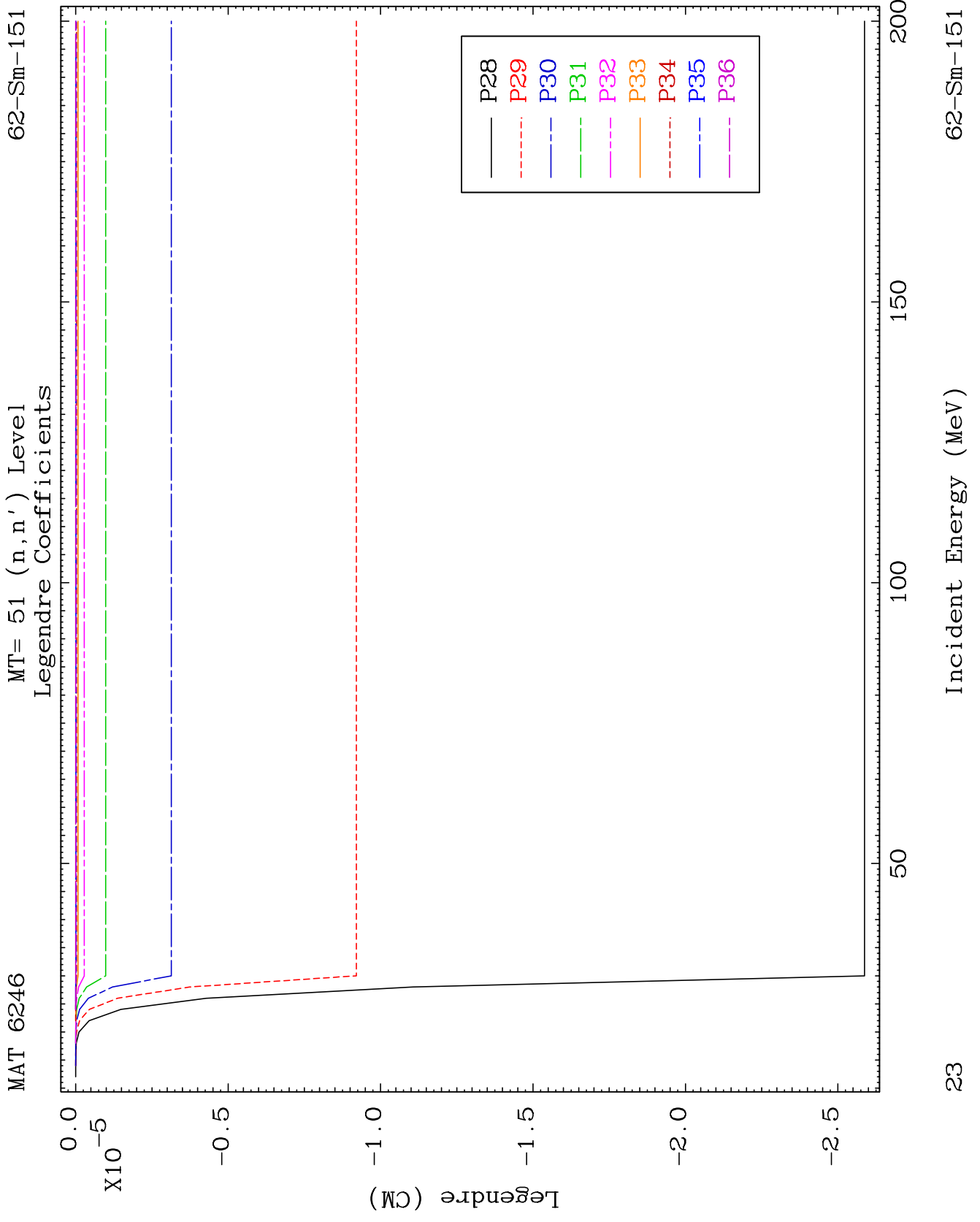
MT= 51 (n,n') Level  
Legendre Coefficients

62-Sm-151



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62-Sm-151

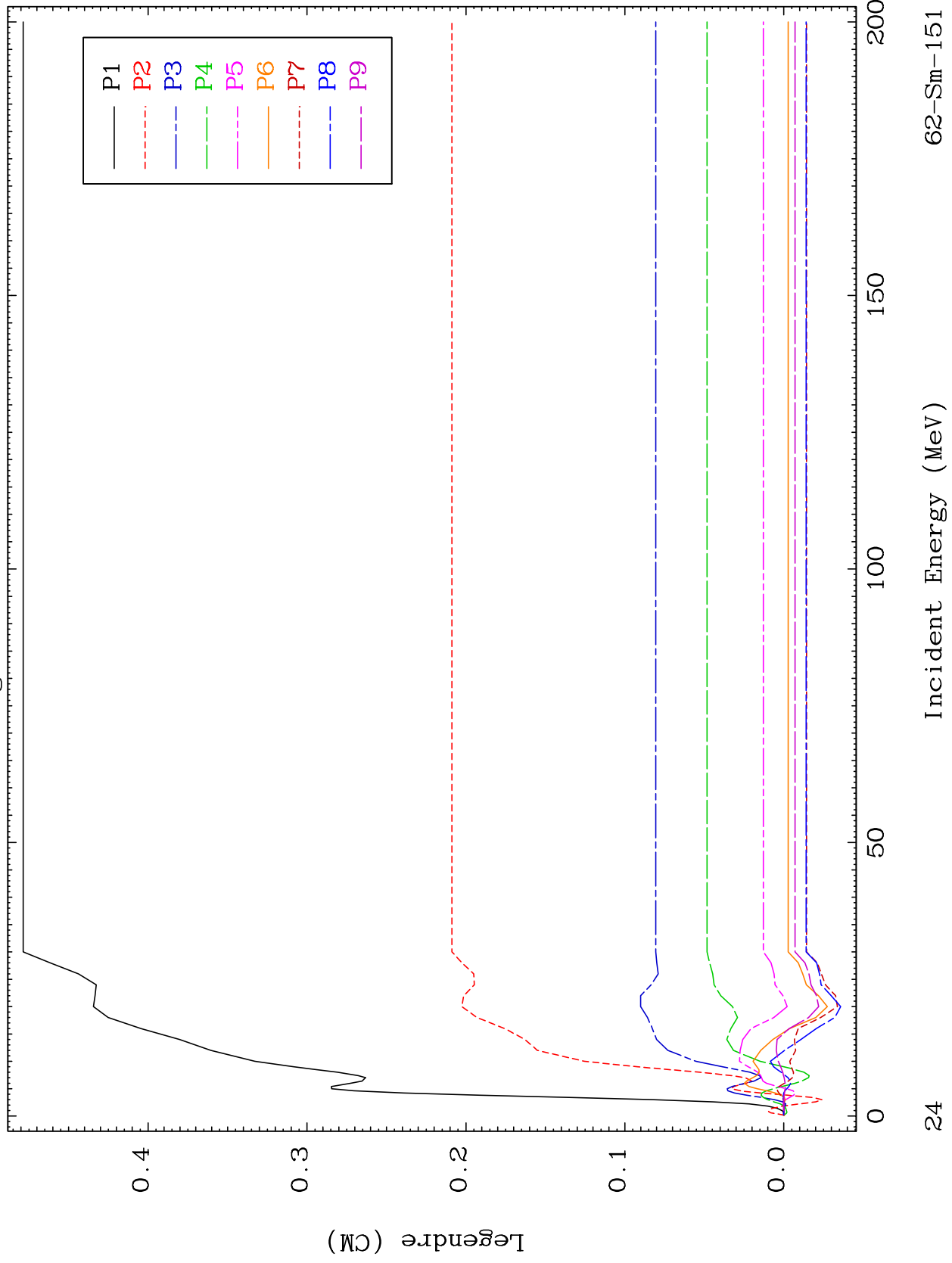




MAT 6246

MT= 52 (n,n') Level  
Legendre Coefficients

62-Sm-151

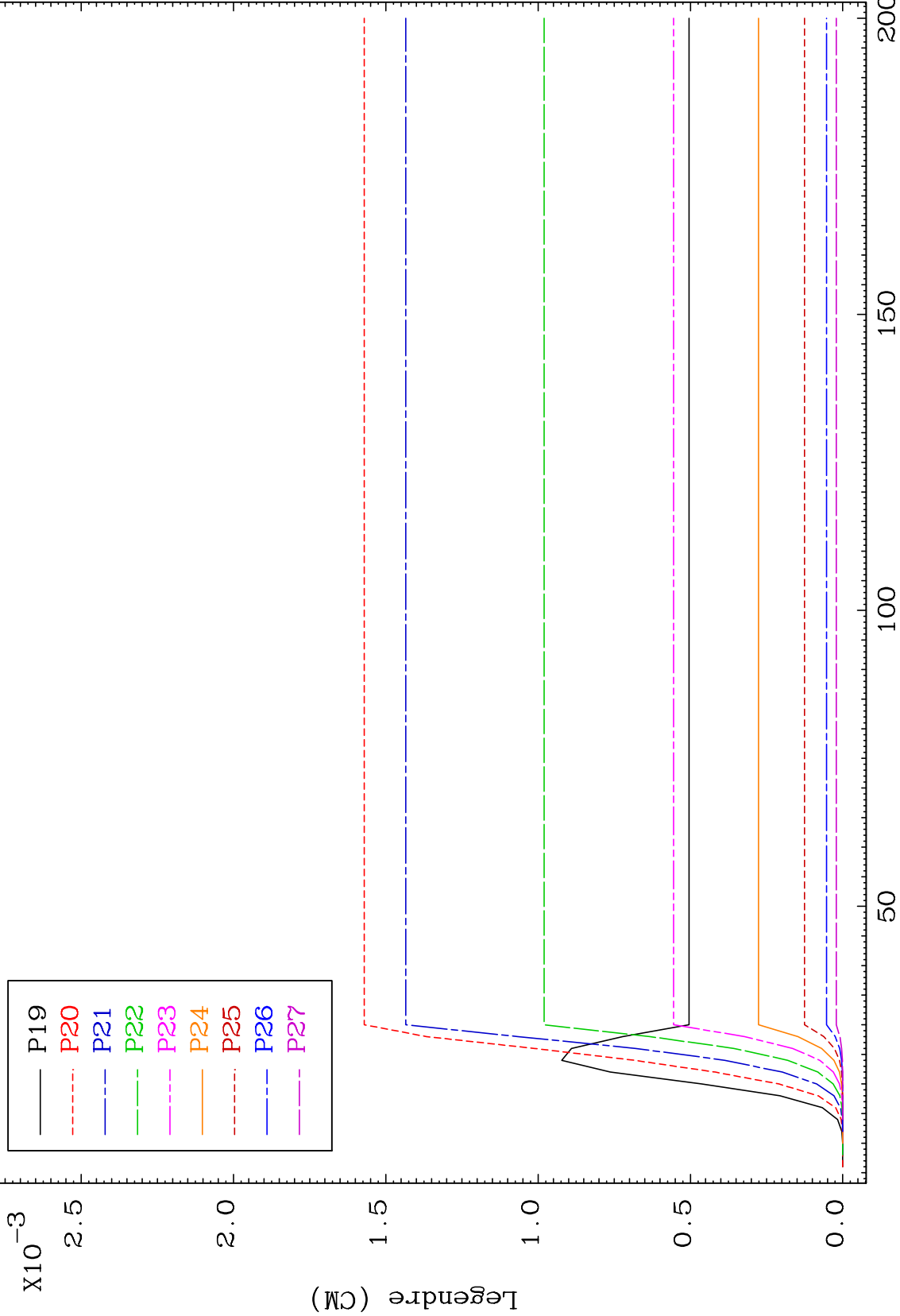
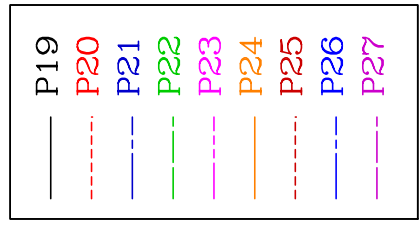


62-Sm-151

Incident Energy (MeV)

24

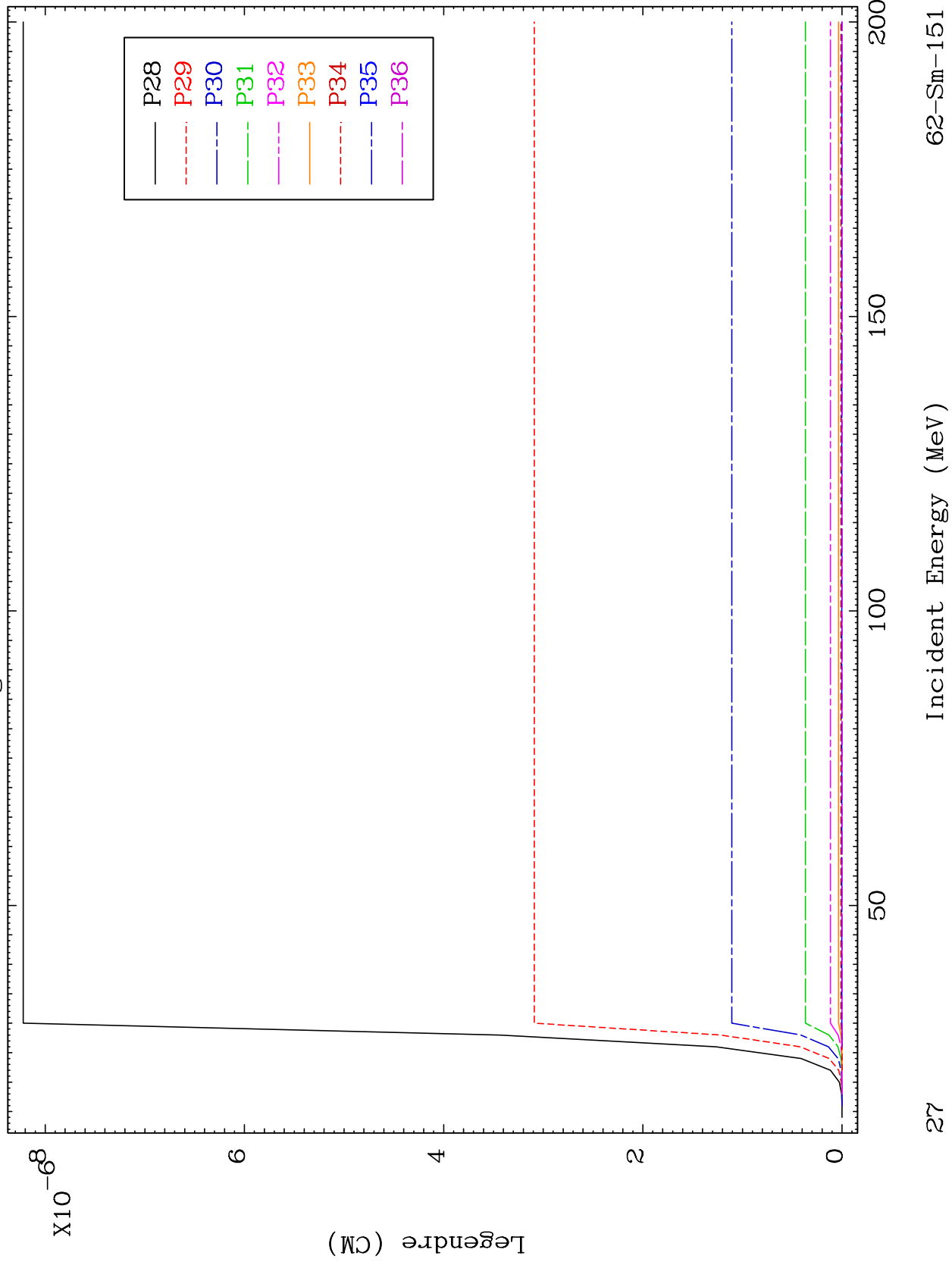




MAT 6246

MT= 52 (n,n') Level  
Legendre Coefficients

62-Sm-151



27

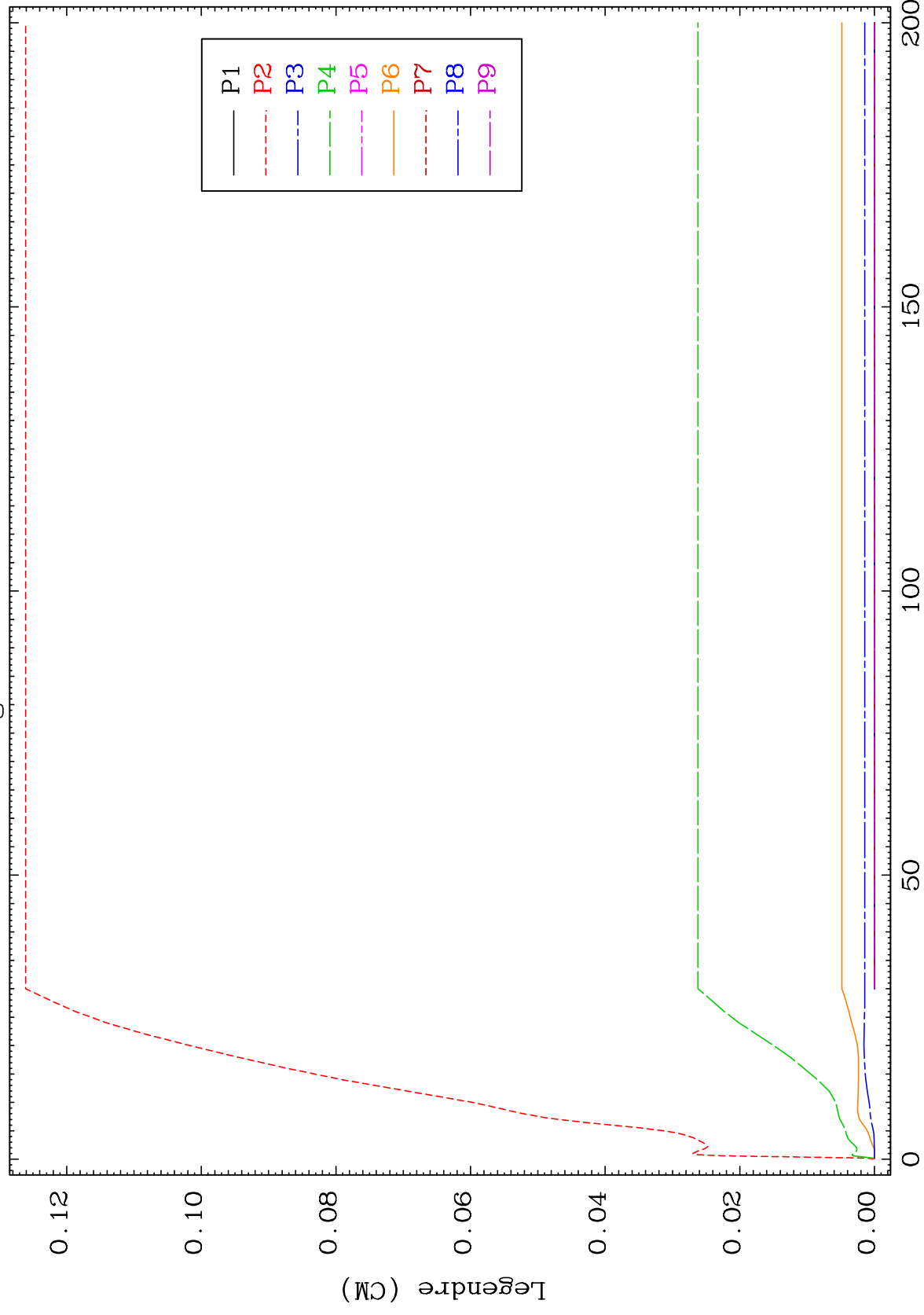
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 53 (n,n') Level  
Legendre Coefficients

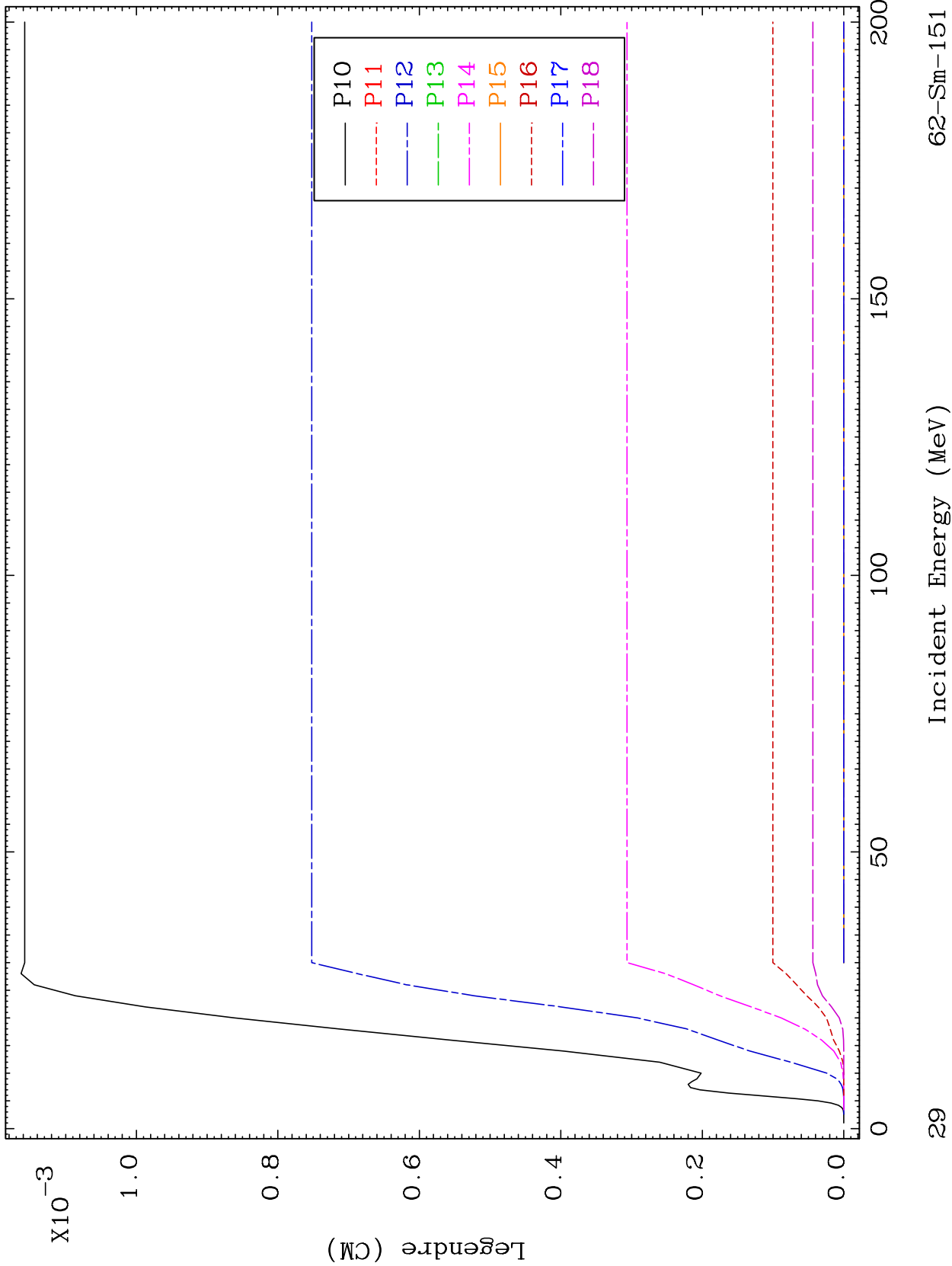
62-Sm-151

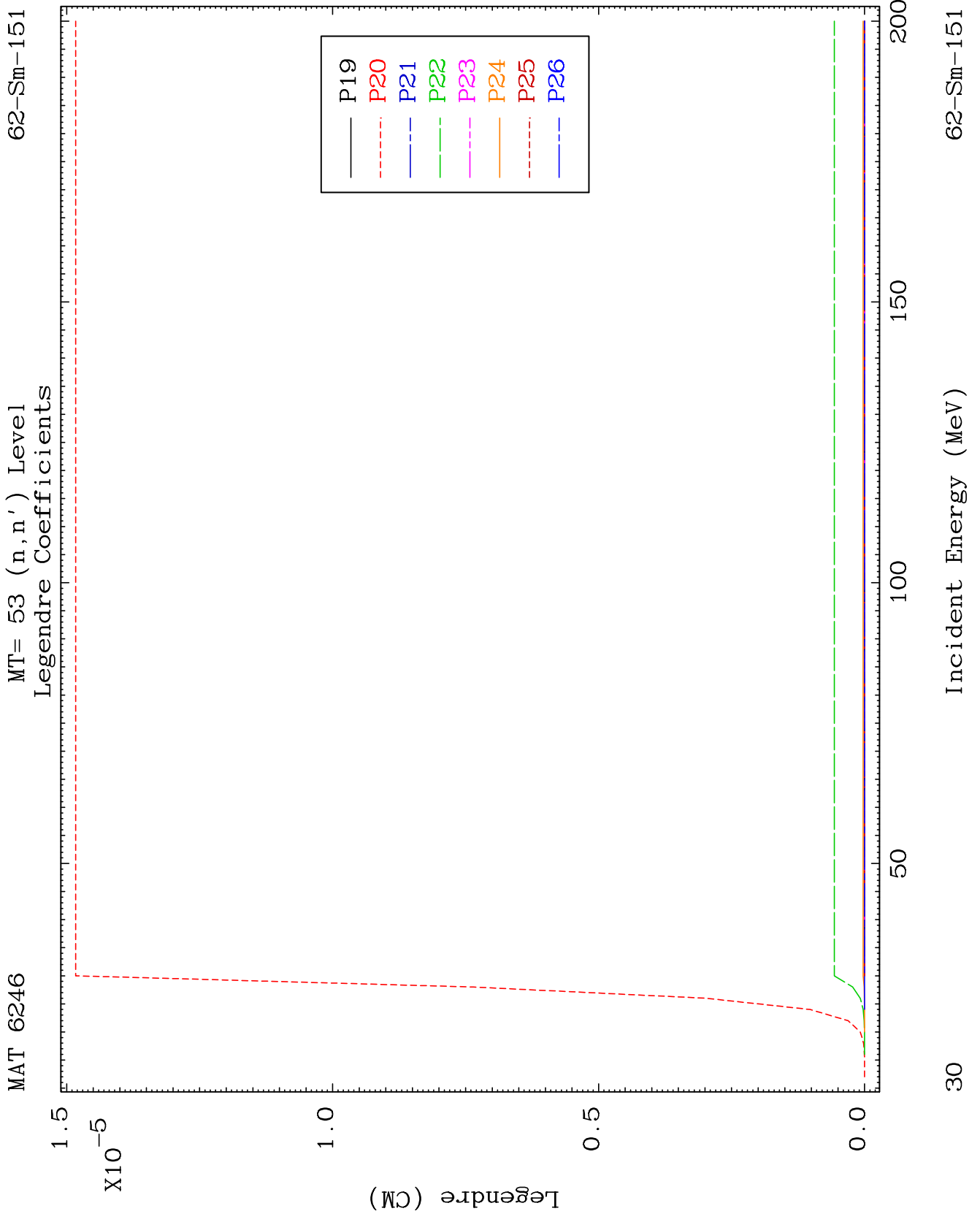


28

Incident Energy (MeV)

62-Sm-151

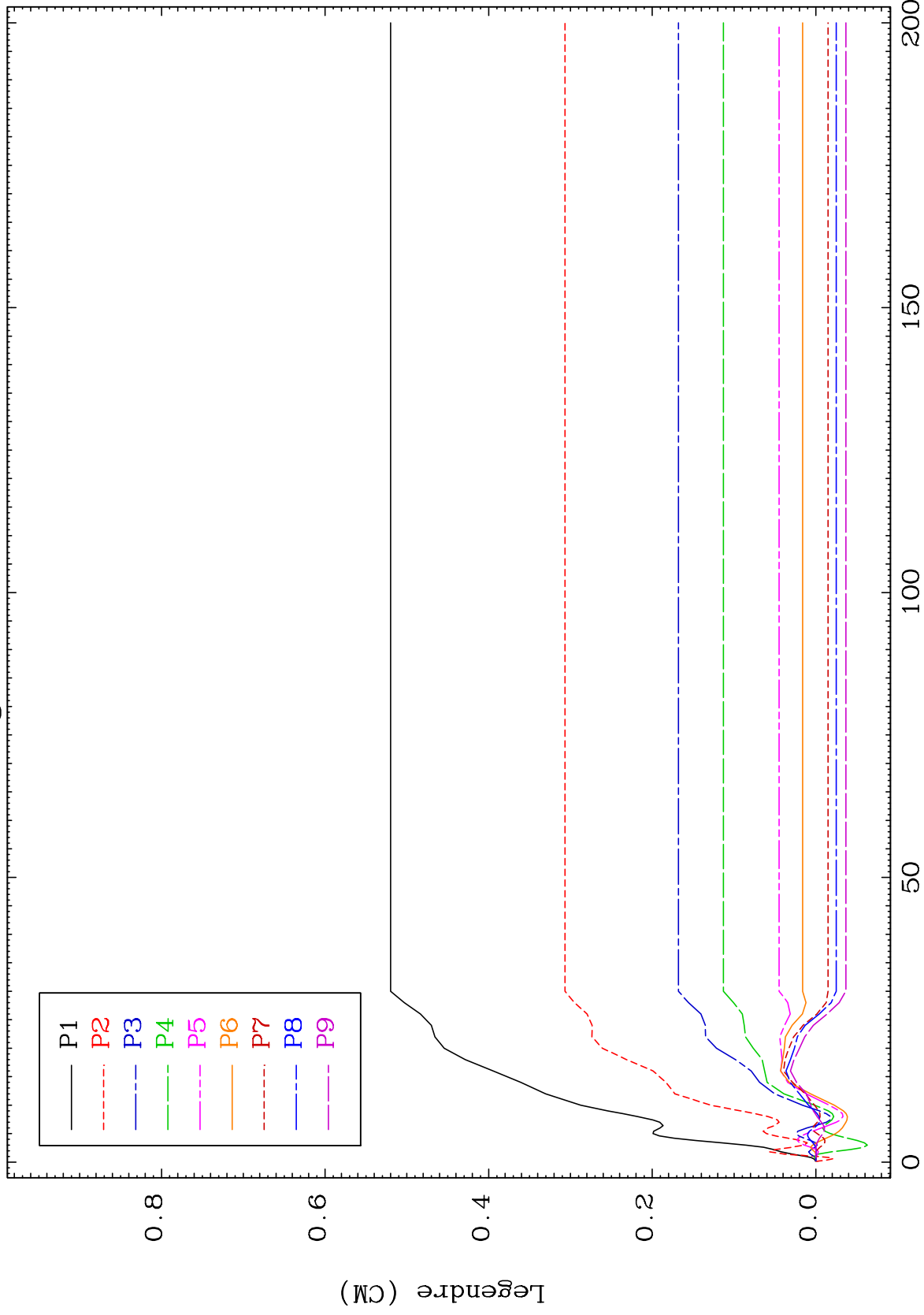




MAT 6246

MT= 54 (n,n') Level  
Legendre Coefficients

62-Sm-151



31

Incident Energy (MeV)

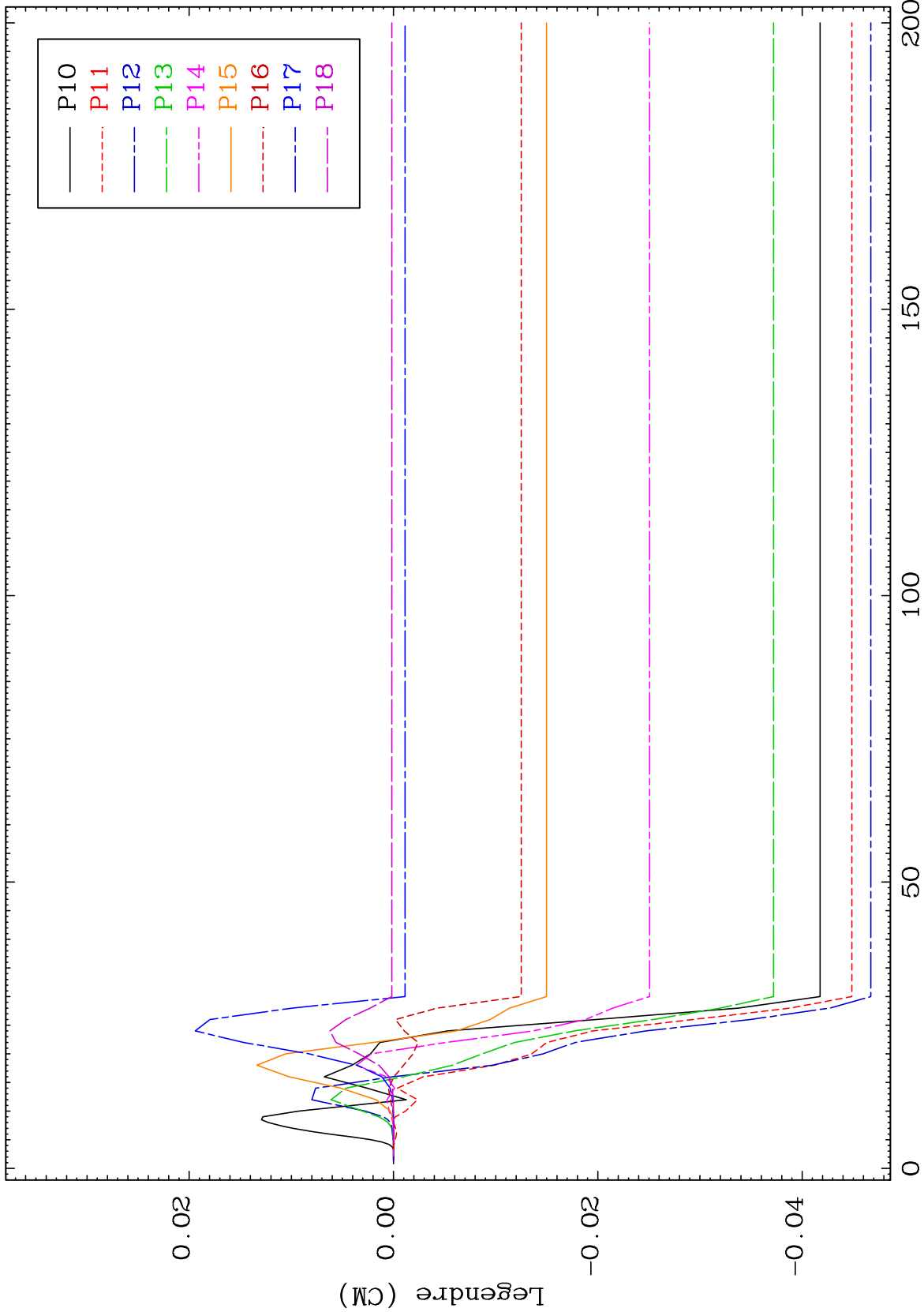
62-Sm-151



MAT 6246

MT= 54 (n,n') Level  
Legendre Coefficients

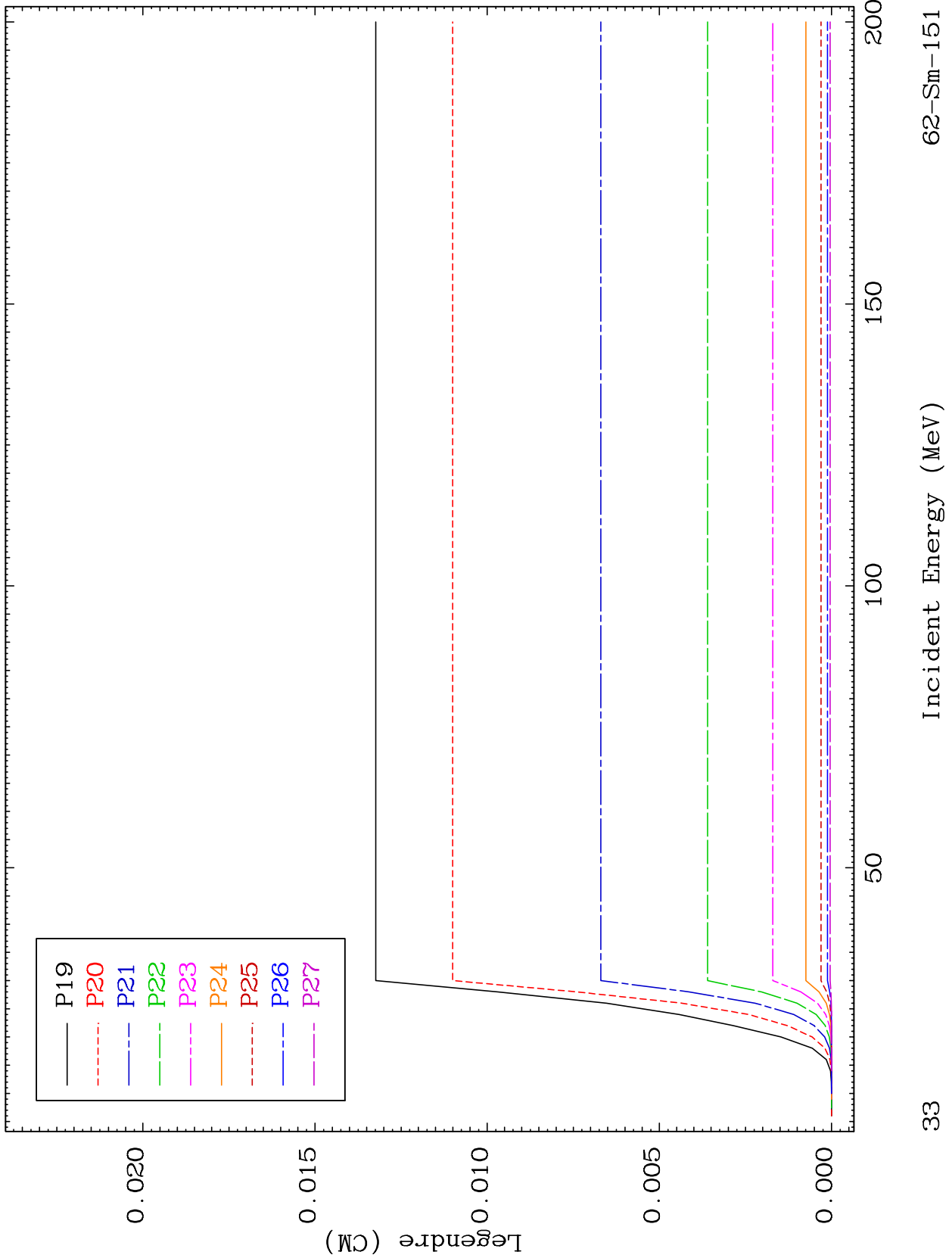
62-Sm-151



32

Incident Energy (MeV)

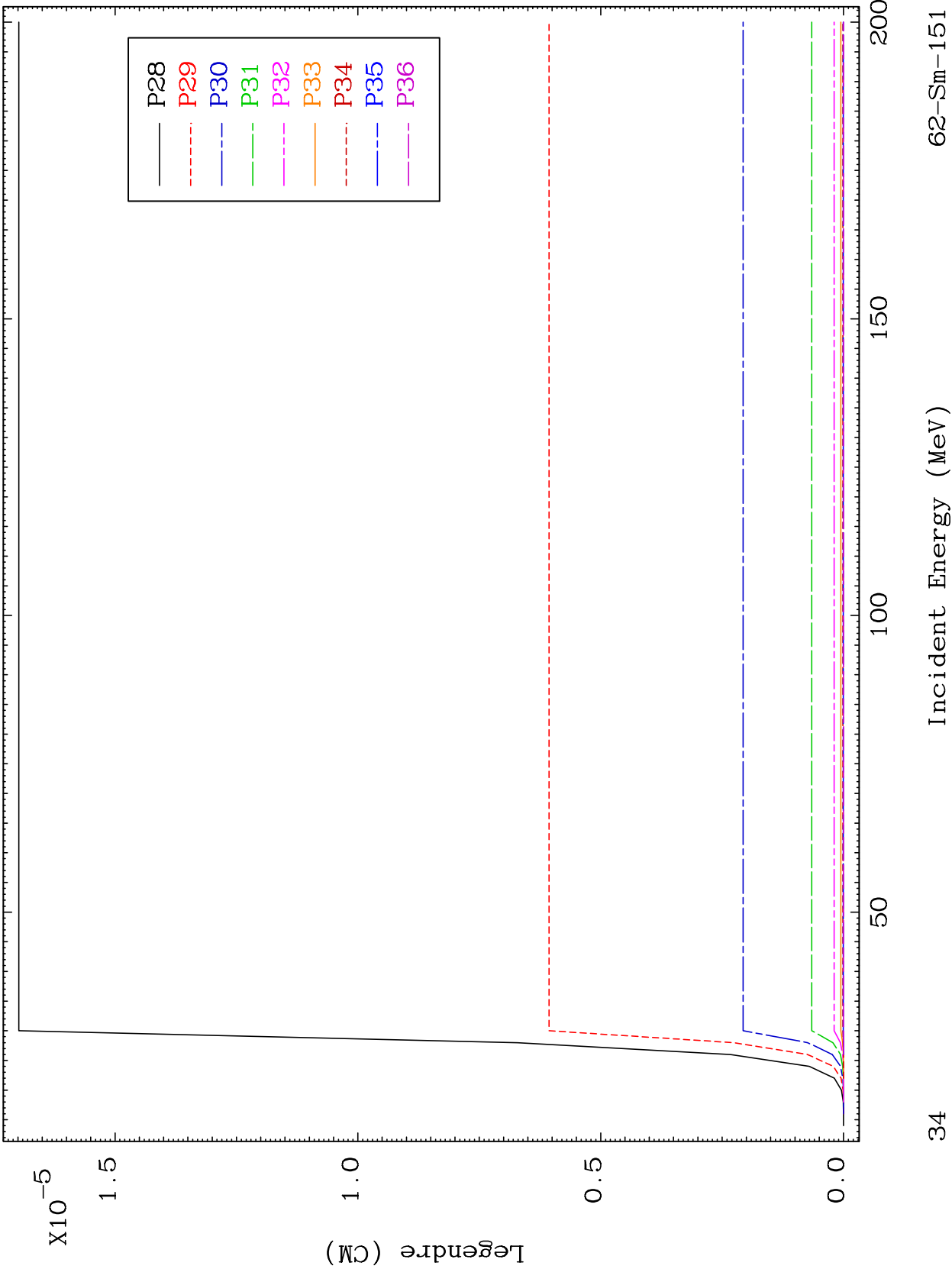
62-Sm-151



MAT 6246

MT= 54 (n,n') Level  
Legendre Coefficients

62-Sm-151



34

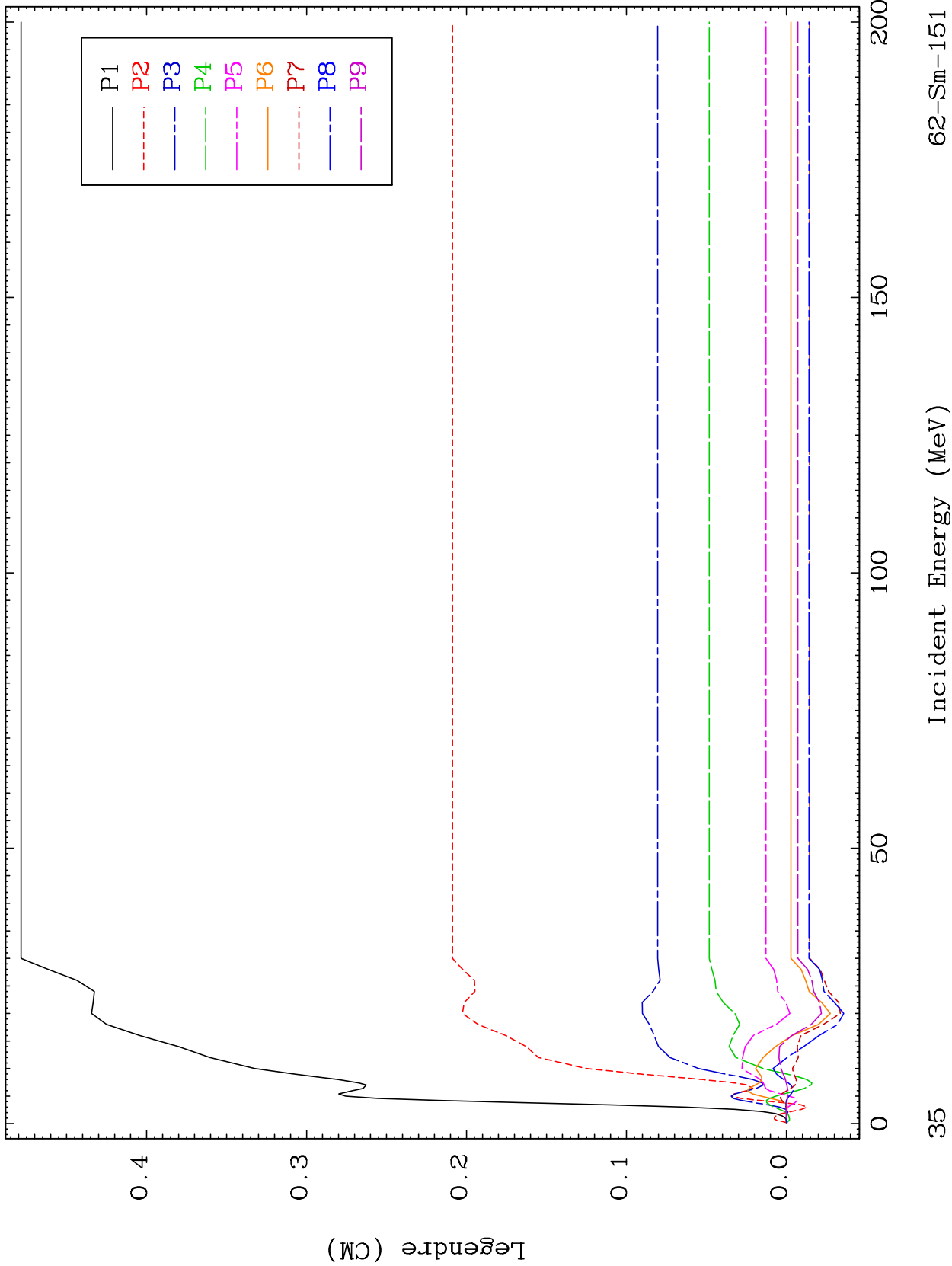
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 55 (n,n') Level  
Legendre Coefficients

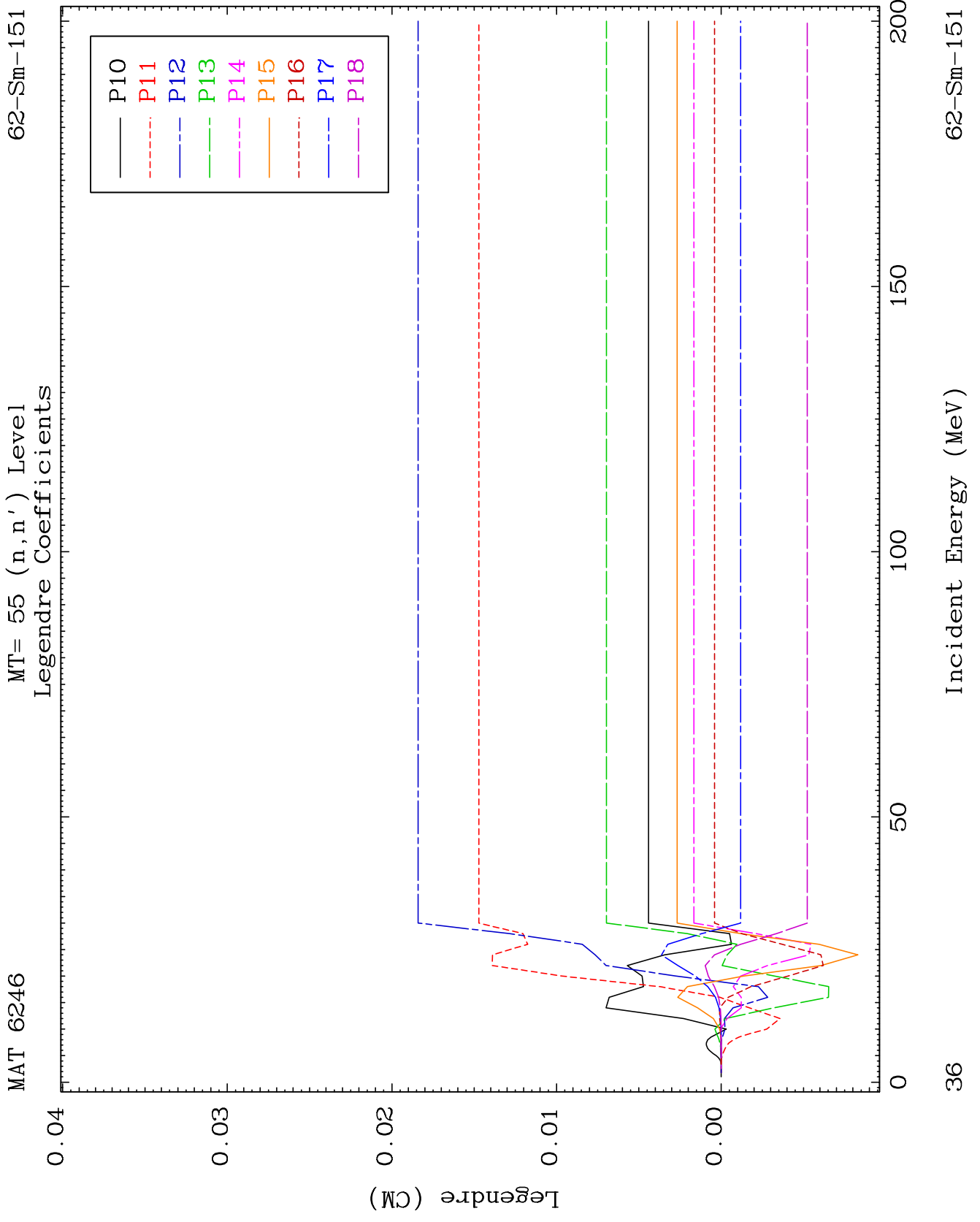
62-Sm-151



62-Sm-151

Incident Energy (MeV)

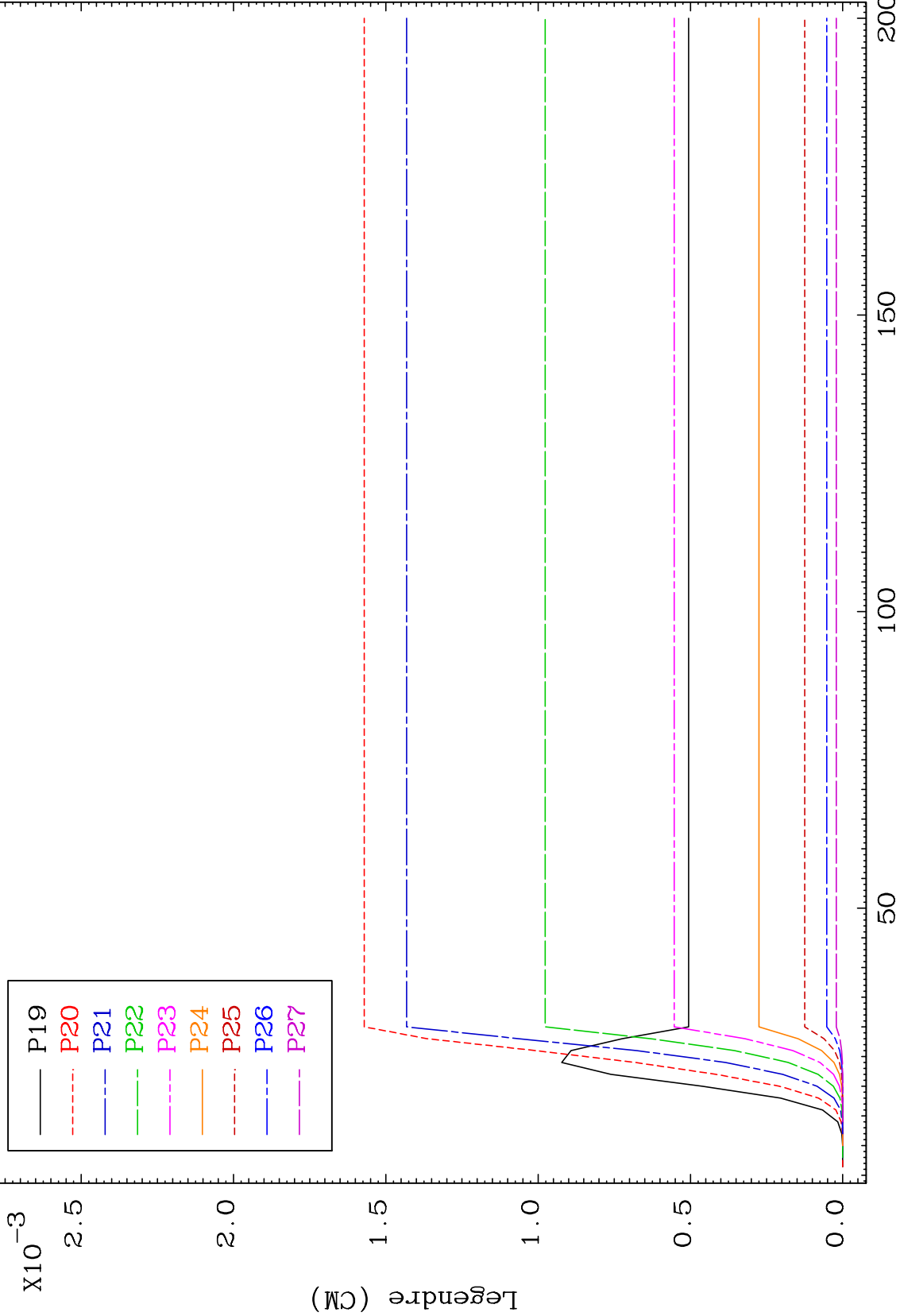
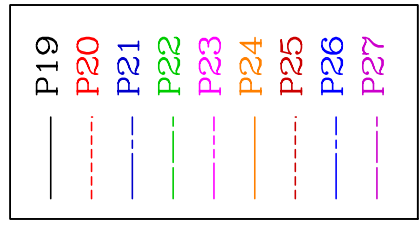
35



MAT 6246

MT= 55 (n,n') Level  
Legendre Coefficients

62-Sm-151



37

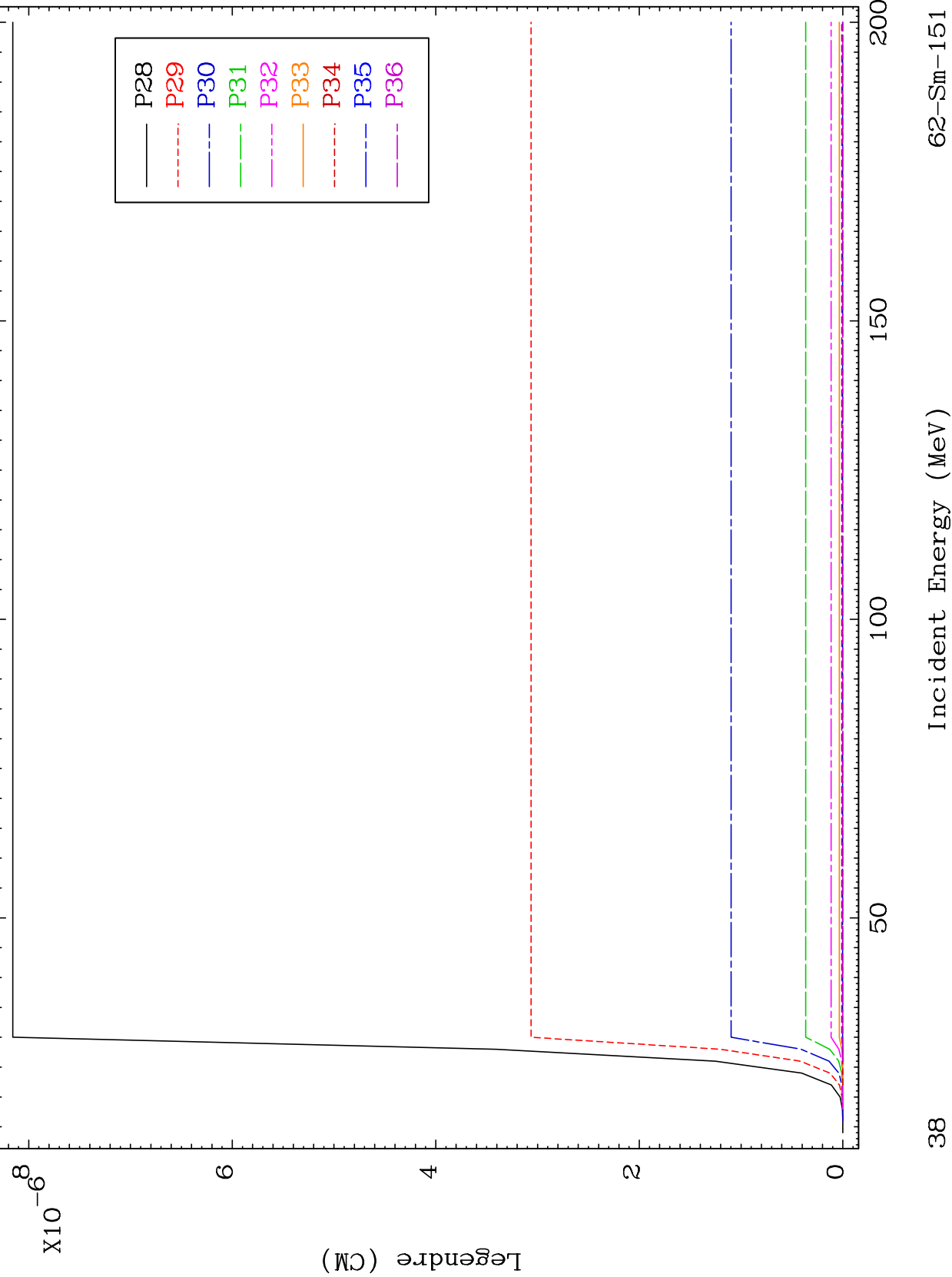
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 55 (n,n') Level  
Legendre Coefficients

62-Sm-151



38

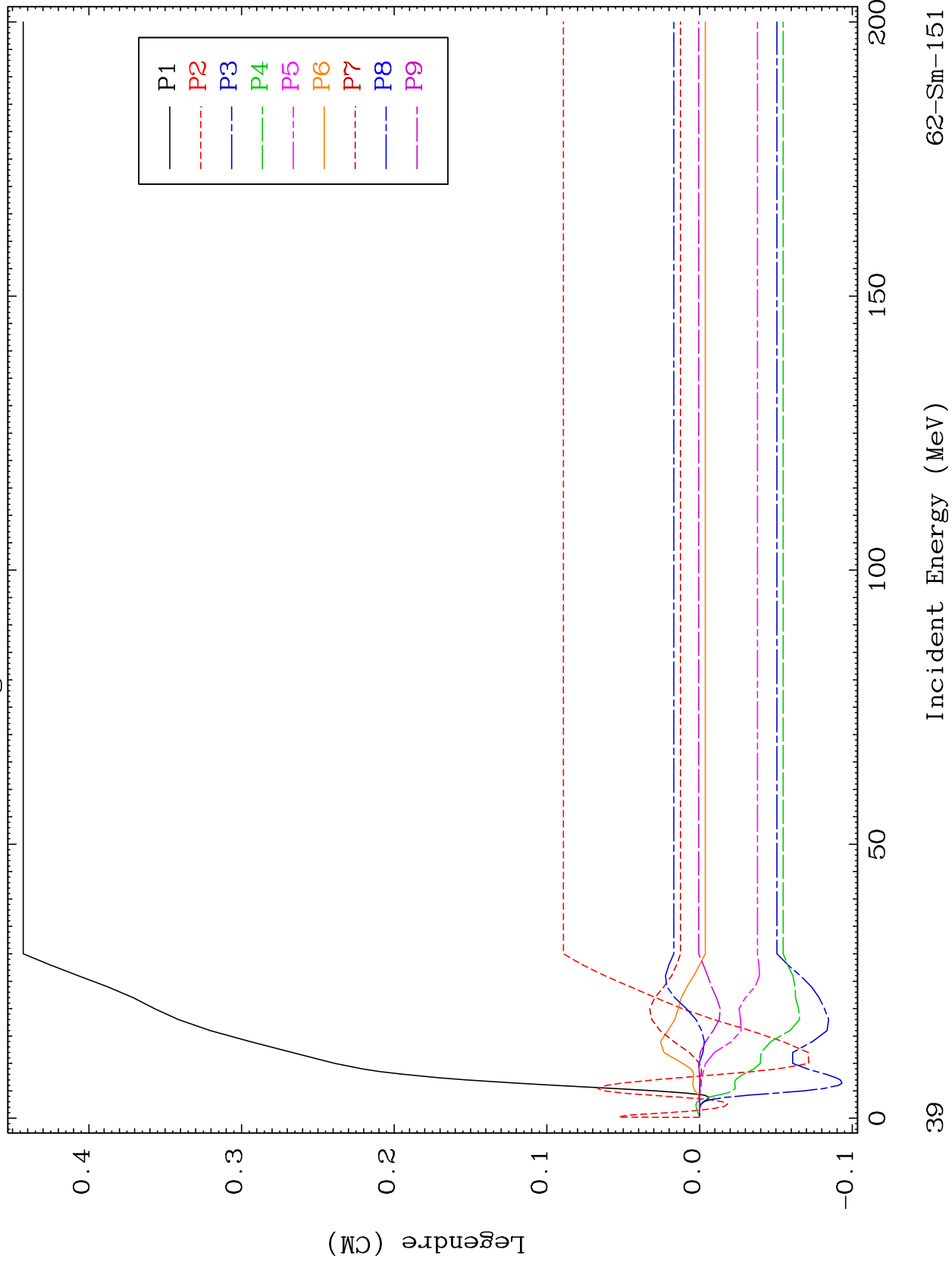
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 56 (n,n') Level  
Legendre Coefficients

62-Sm-151



39

Incident Energy (MeV)

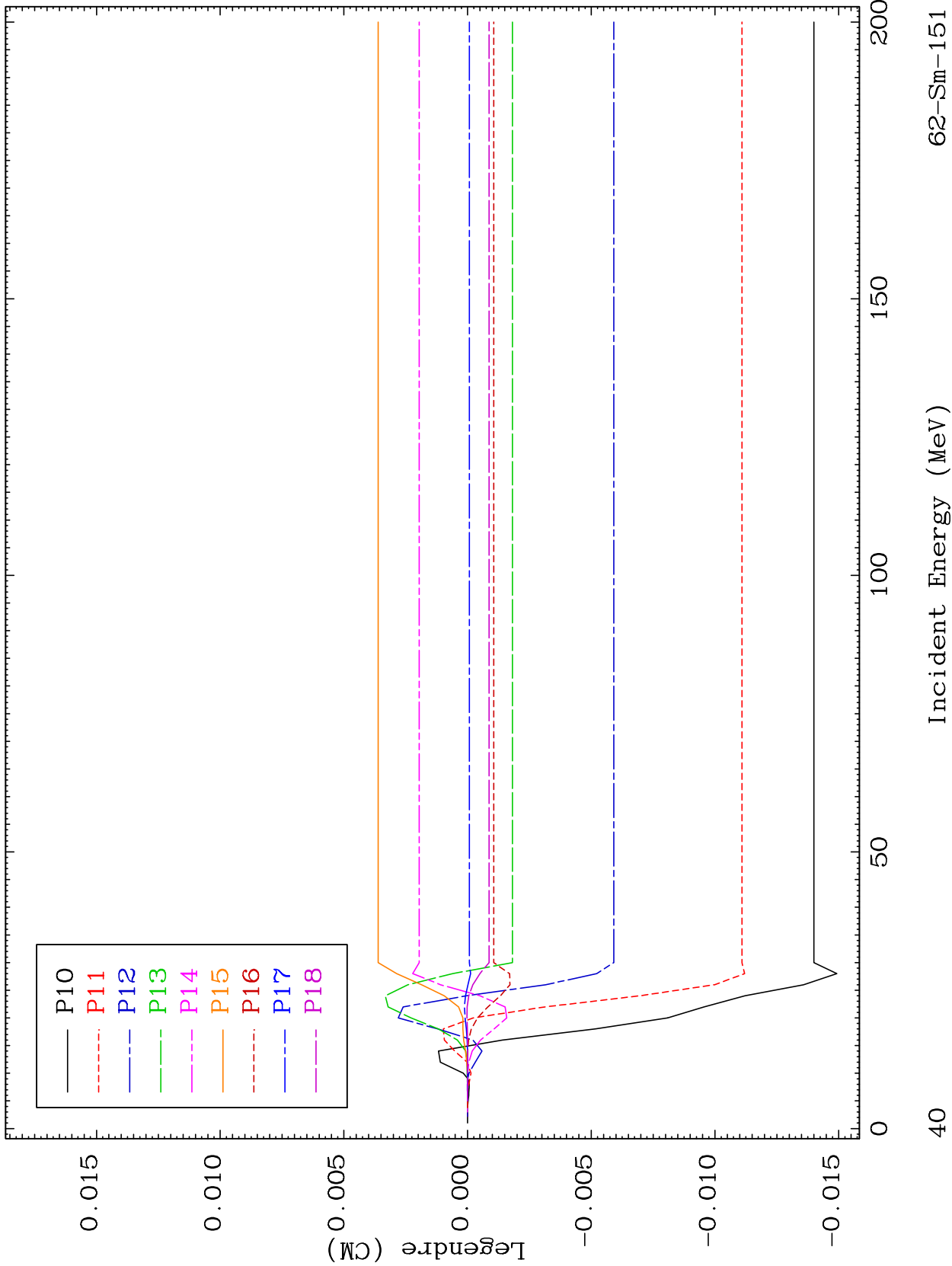
62-Sm-151



MAT 6246

MT= 56 (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

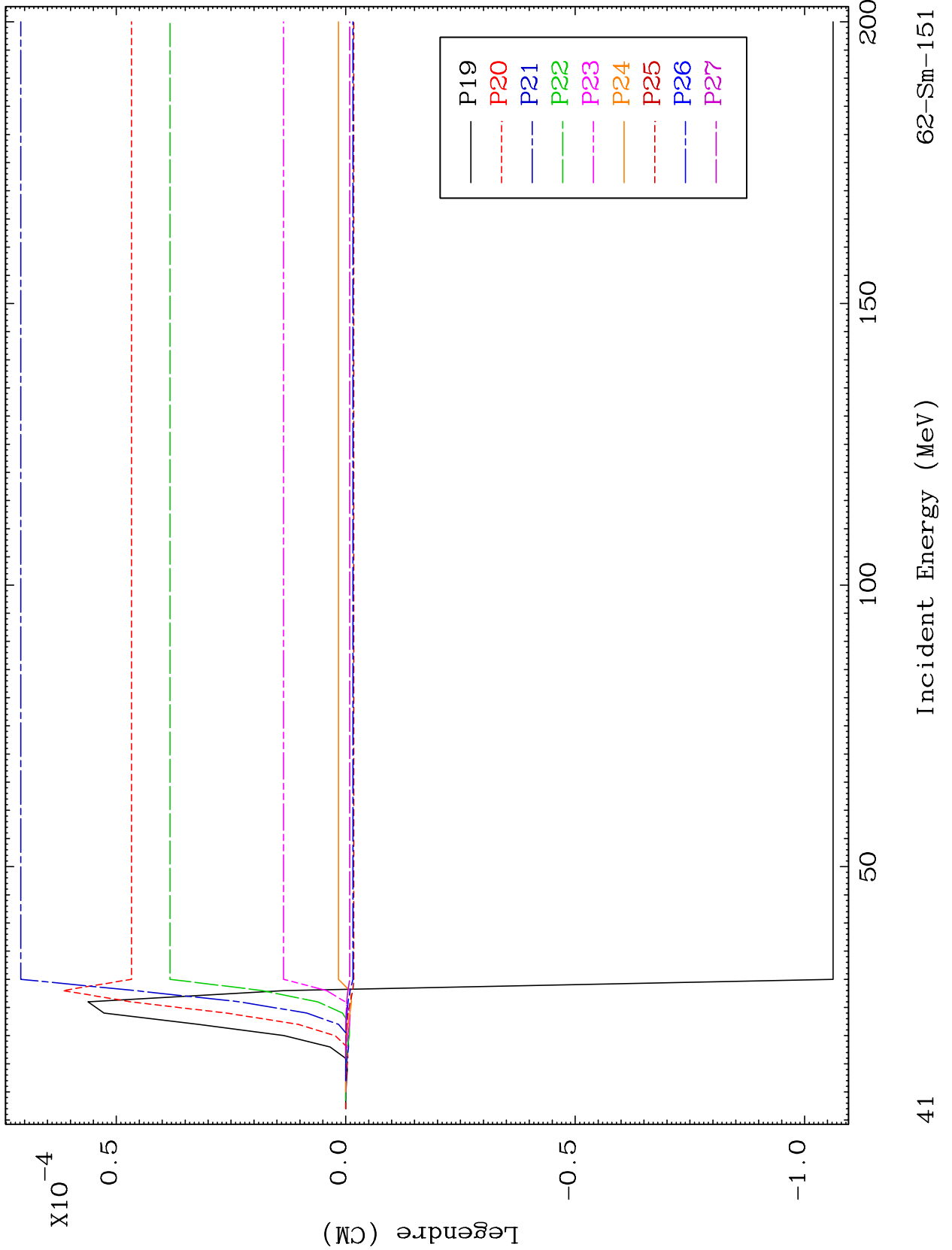
Incident Energy (MeV)

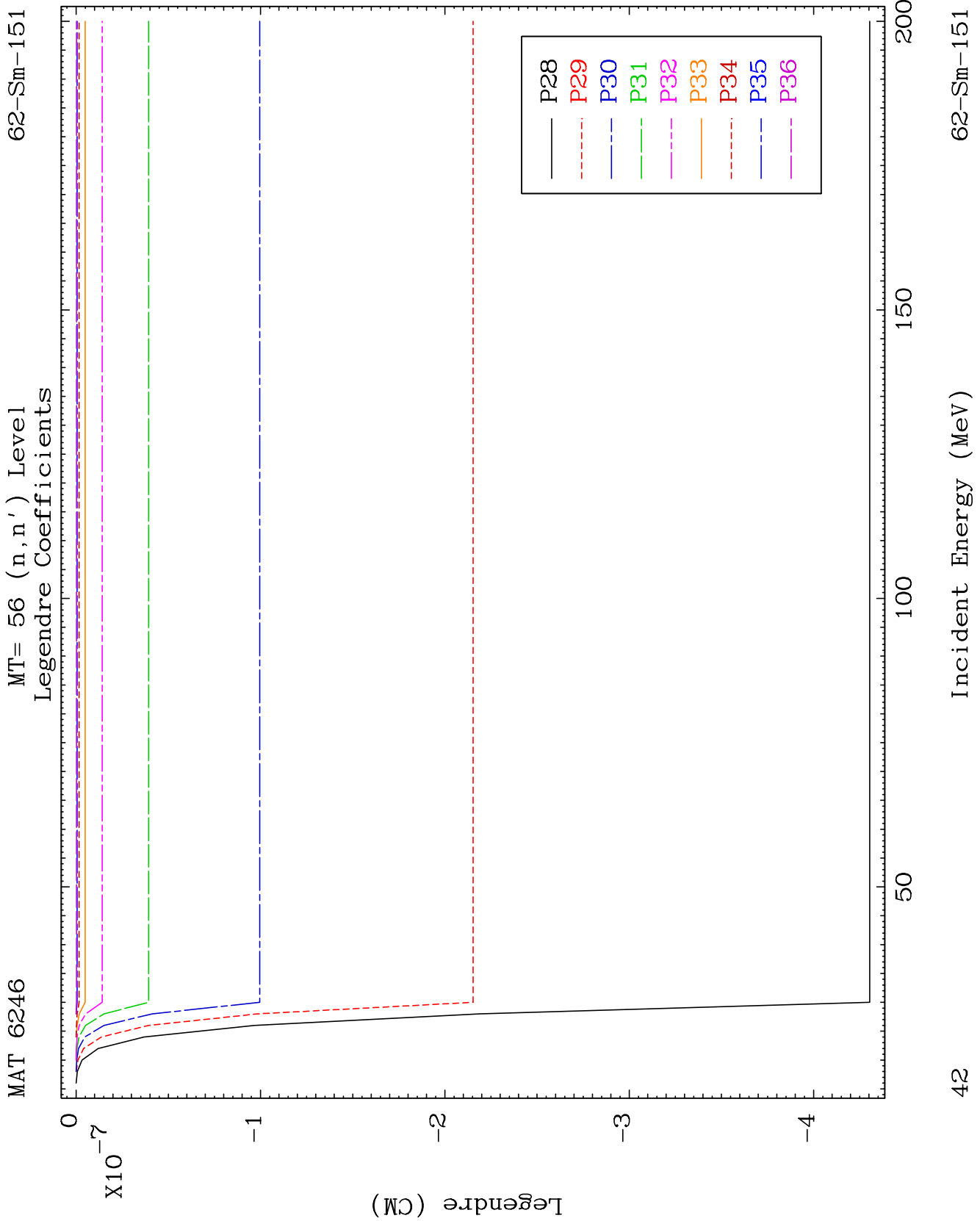
40

MAT 6246

MT= 56 (n,n') Level  
Legendre Coefficients

62-Sm-151



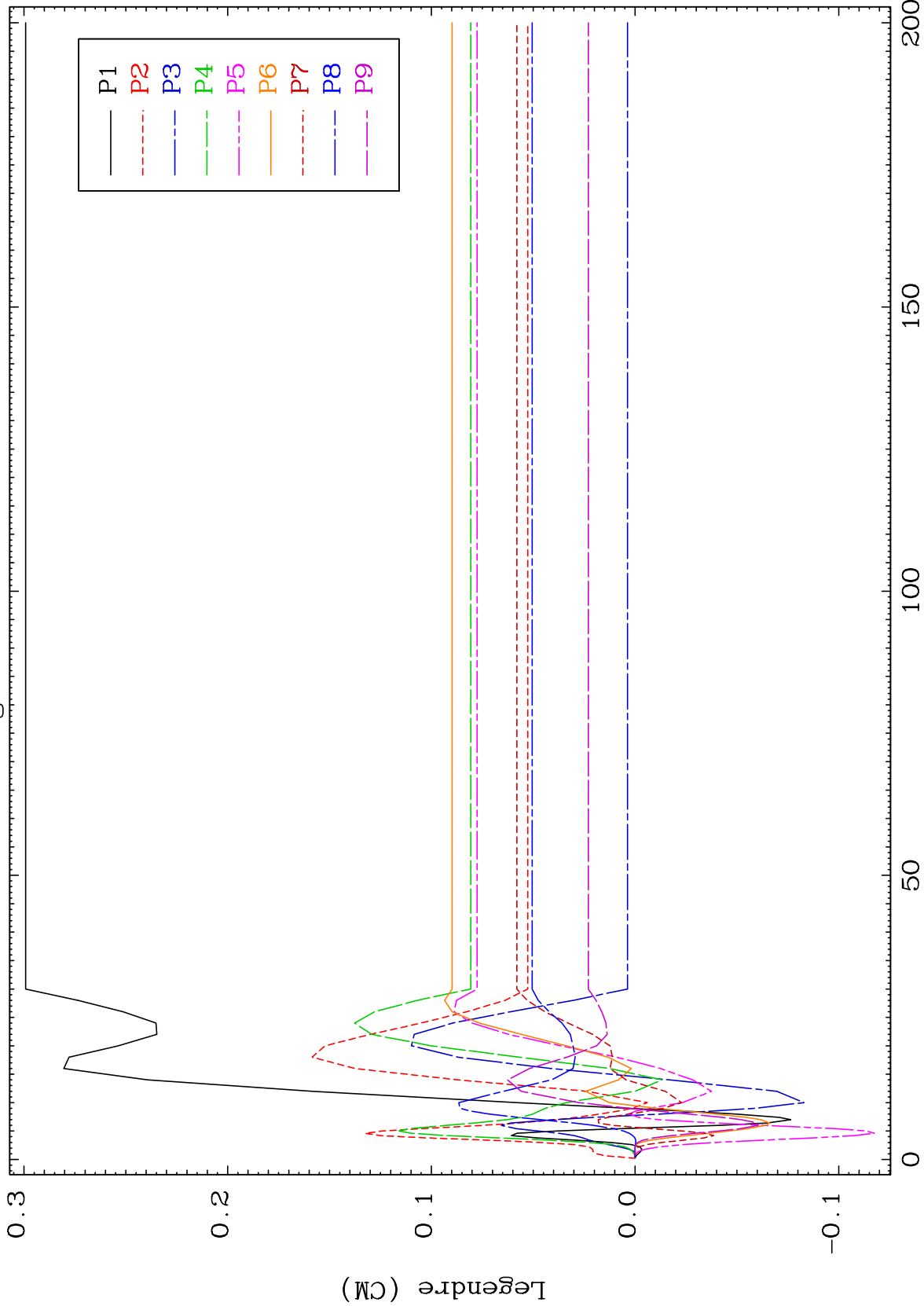


MAT 6246

MT= 57 (n,n') Level

62-Sm-151

Legendre Coefficients



43

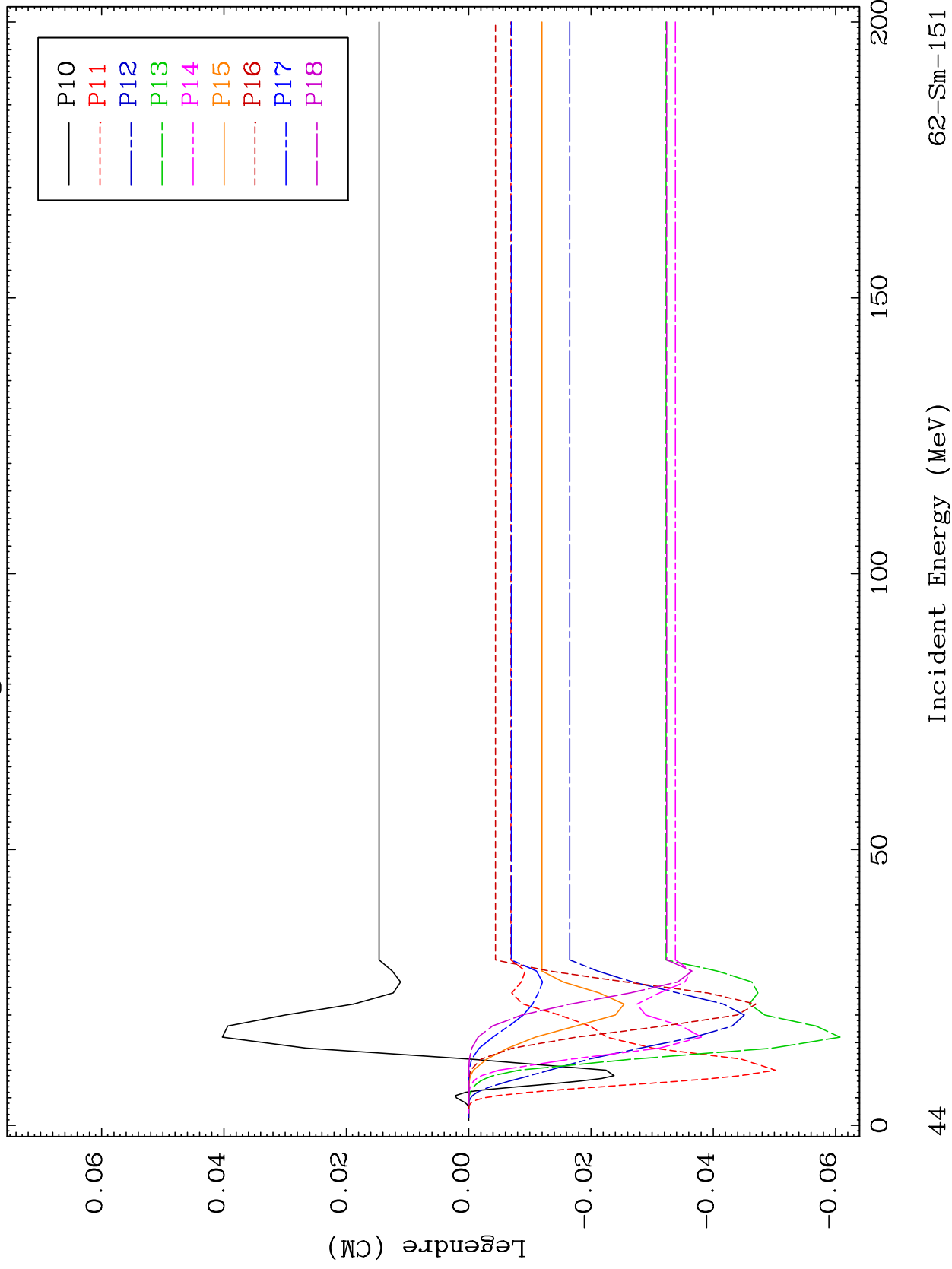
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 57 (n,n') Level  
Legendre Coefficients

62-Sm-151



44

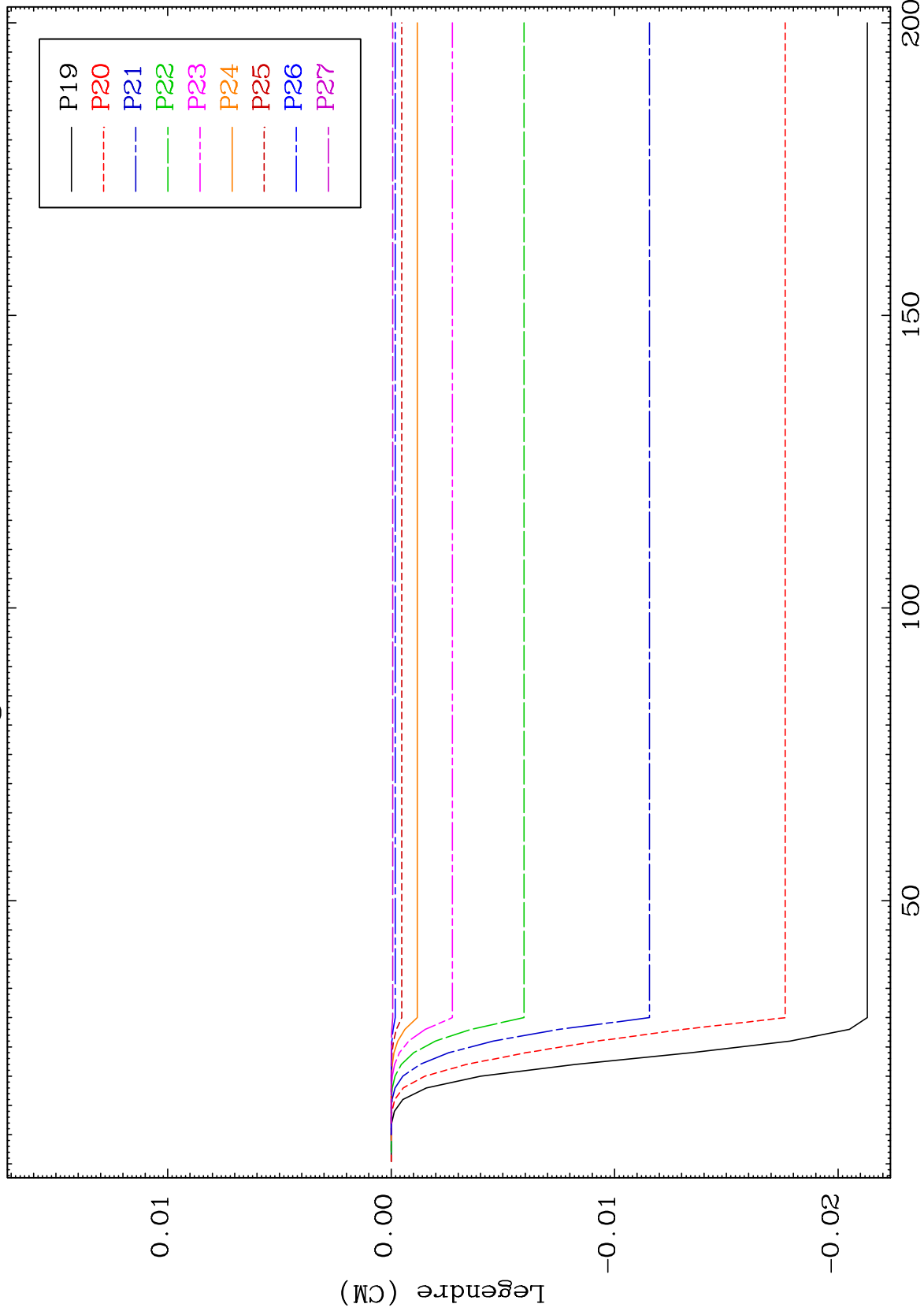
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 57 (n,n') Level  
Legendre Coefficients

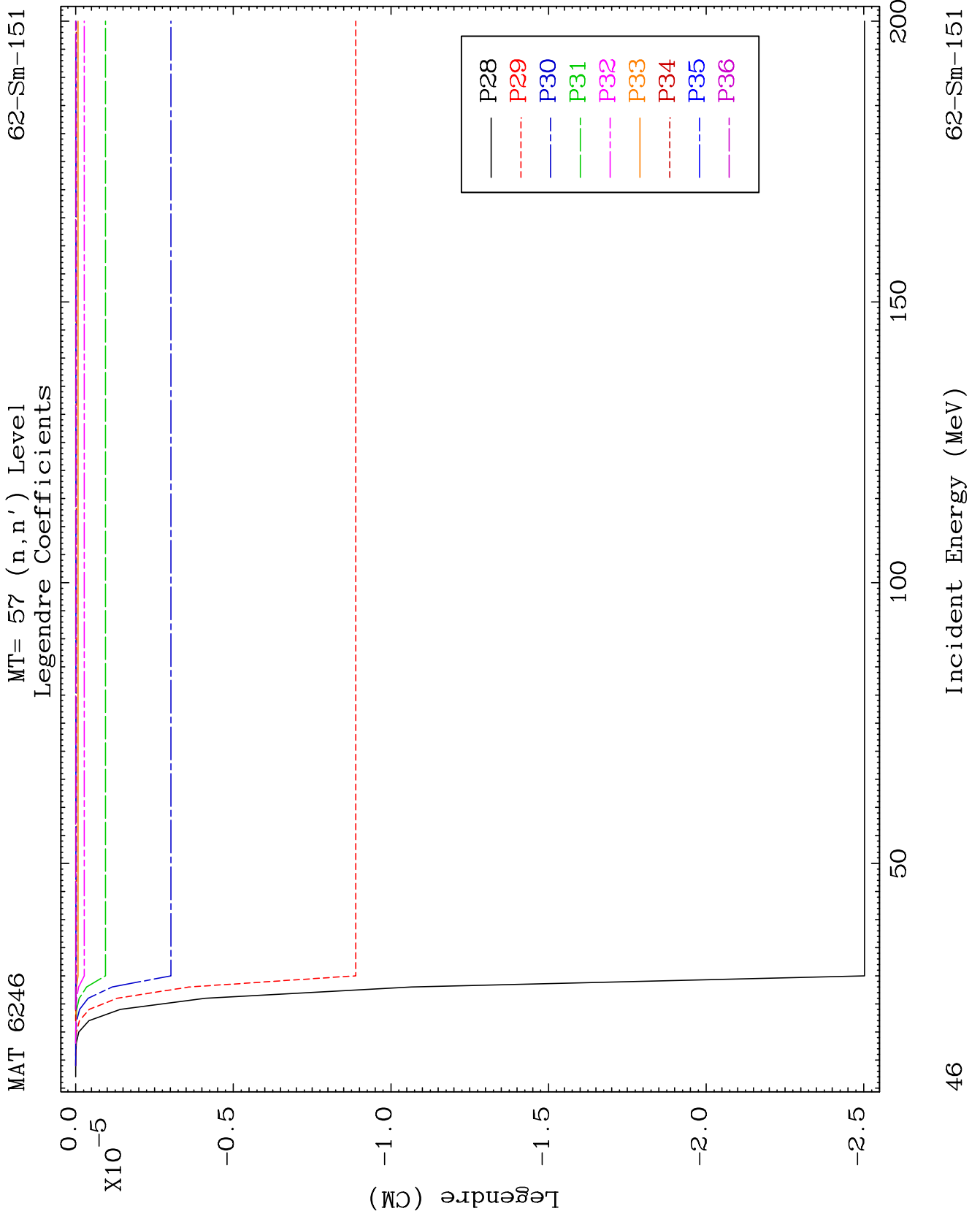
62-Sm-151



45

Incident Energy (MeV)

62-Sm-151



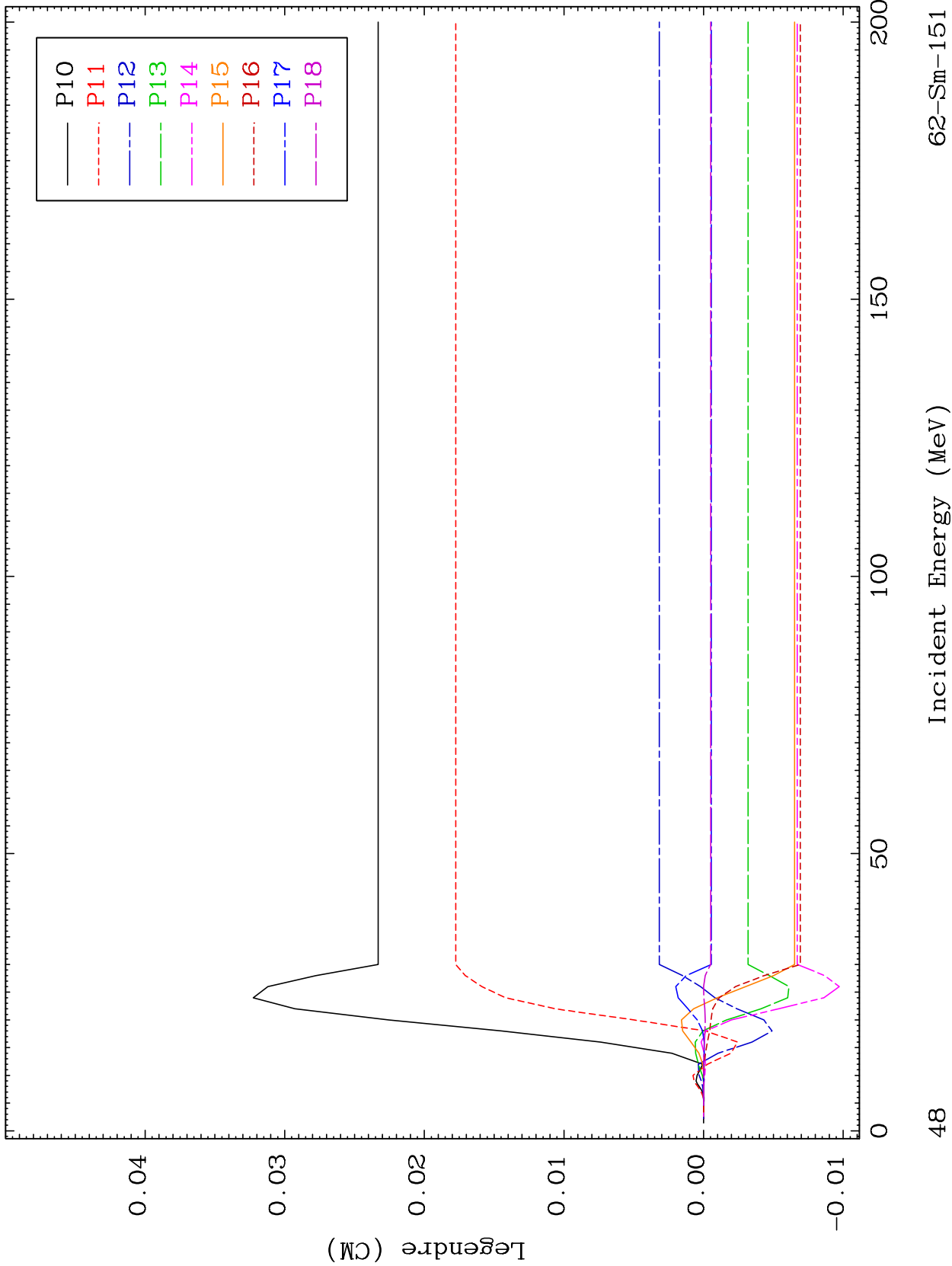




MAT 6246

MT= 58 (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

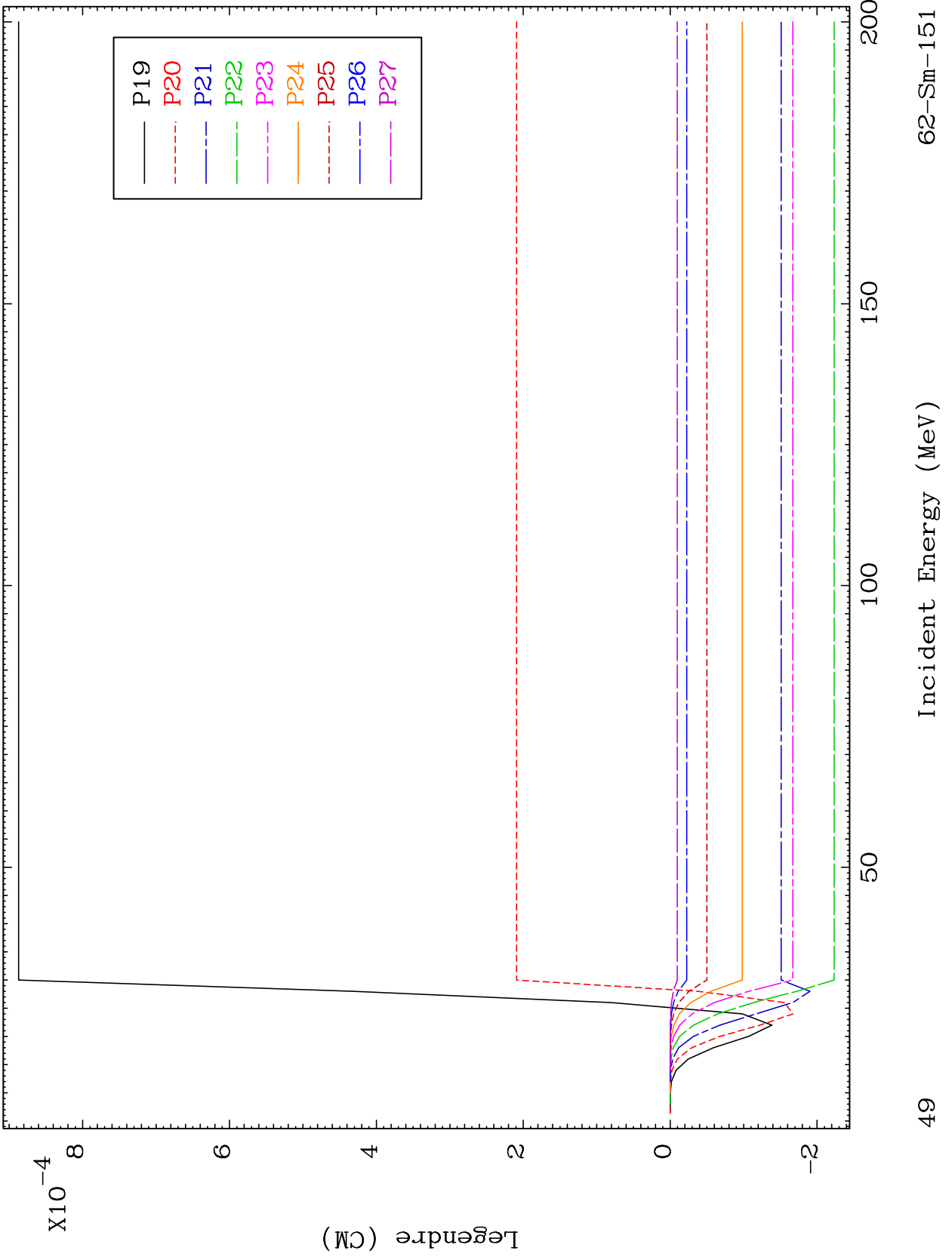
Incident Energy (MeV)

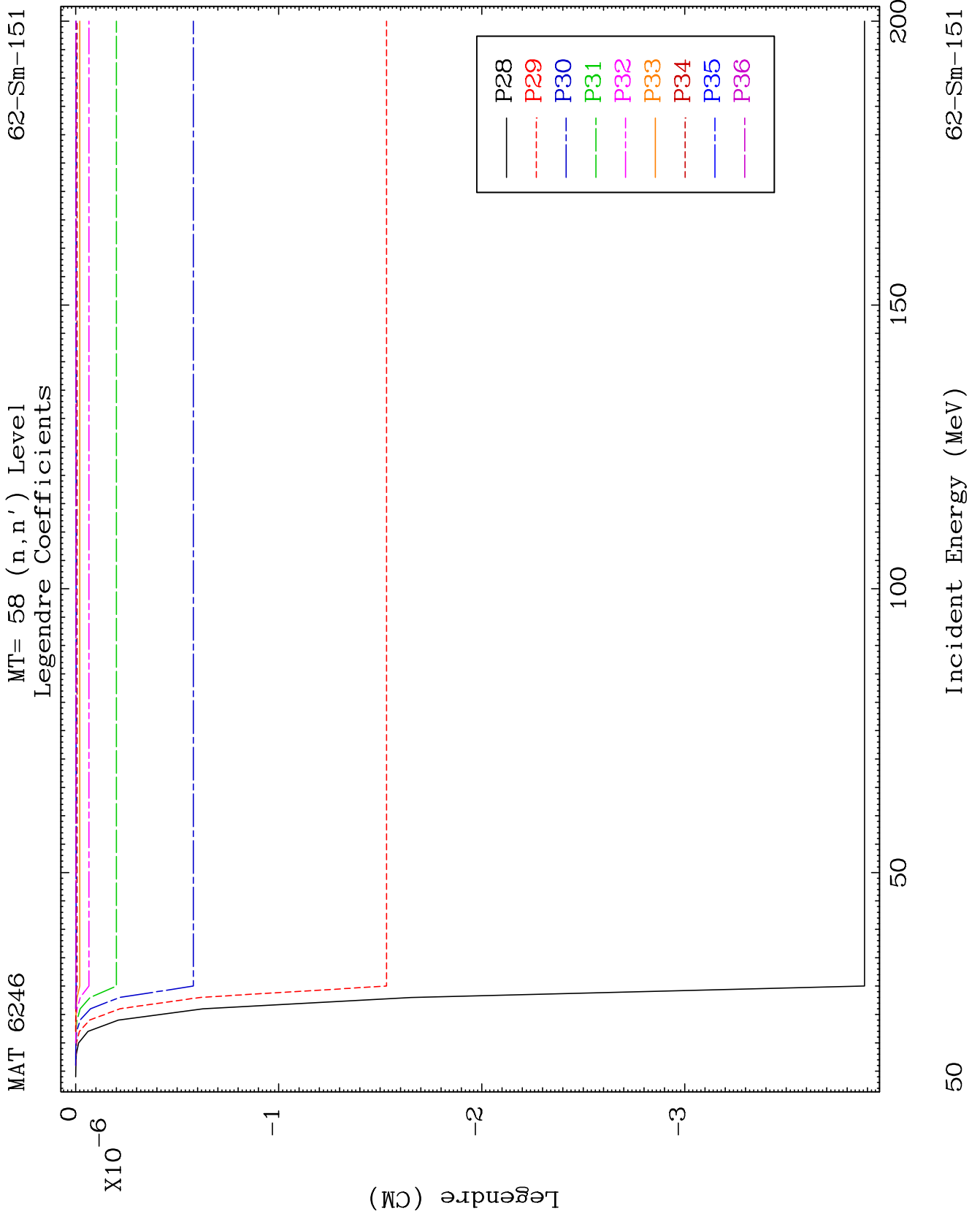
48

MAT 6246

MT= 58 (n,n') Level  
Legendre Coefficients

62-Sm-151

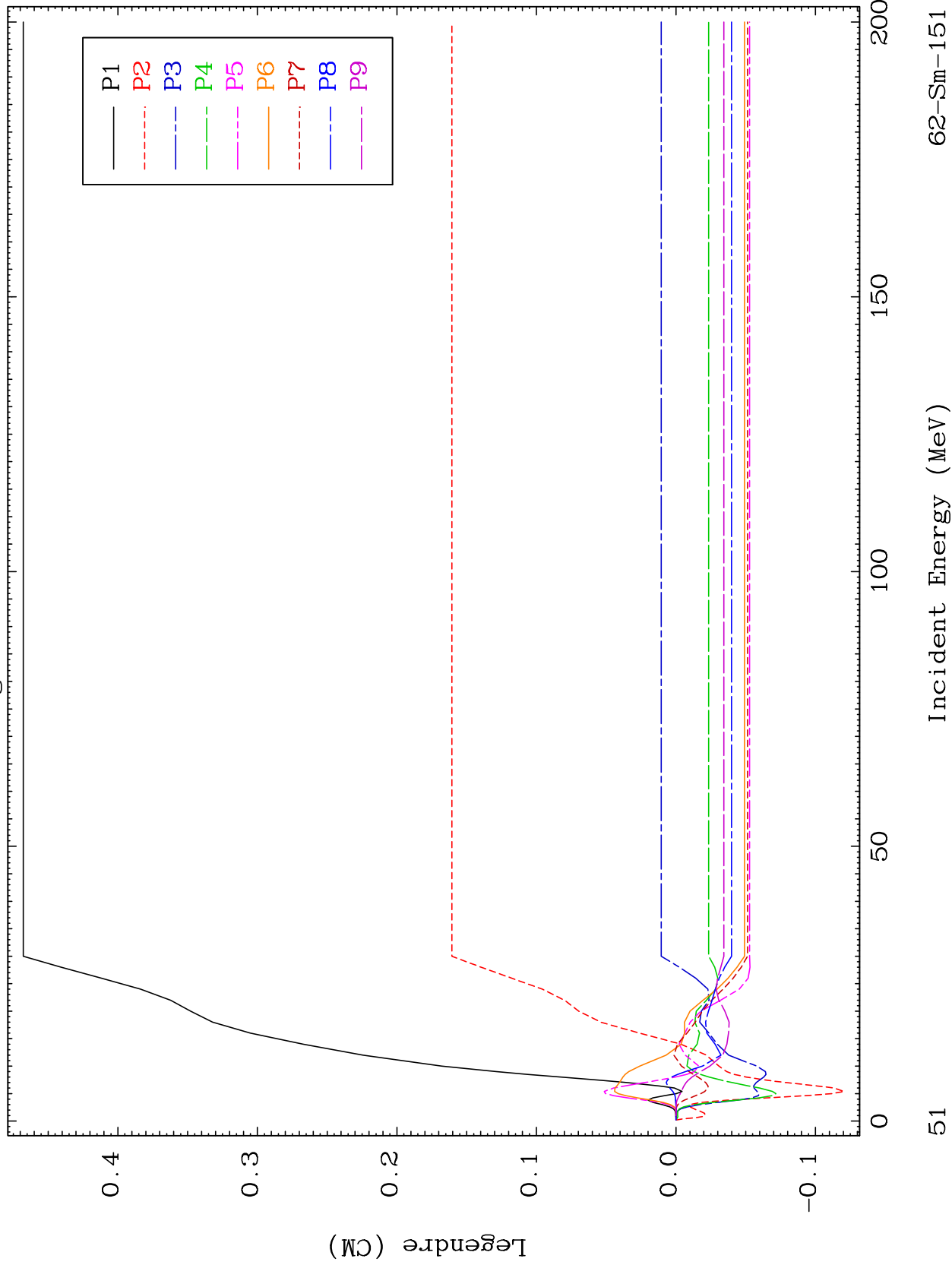




MAT 6246

MT= 59 (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

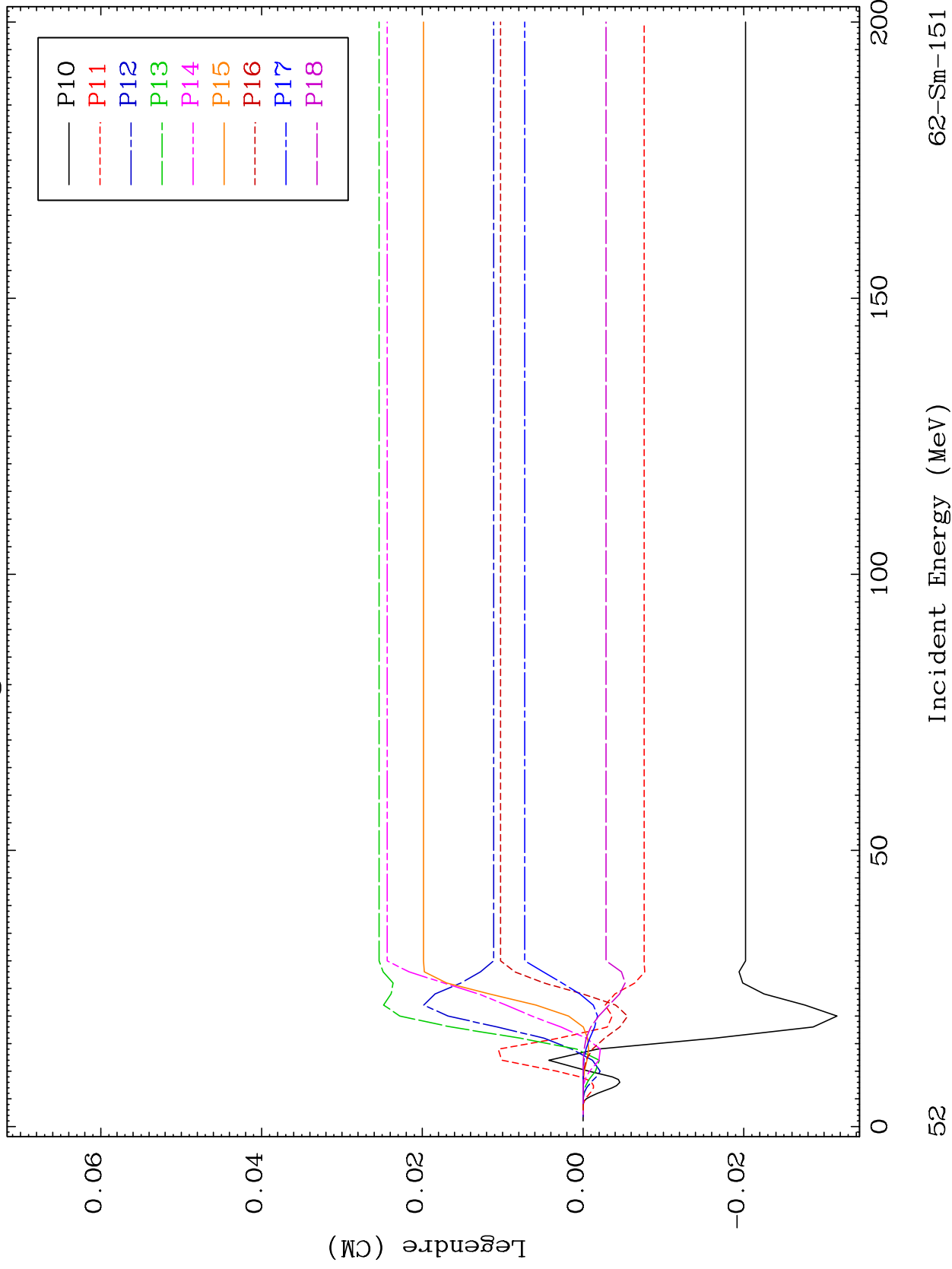
Incident Energy (MeV)

51

MAT 6246

MT= 59 (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

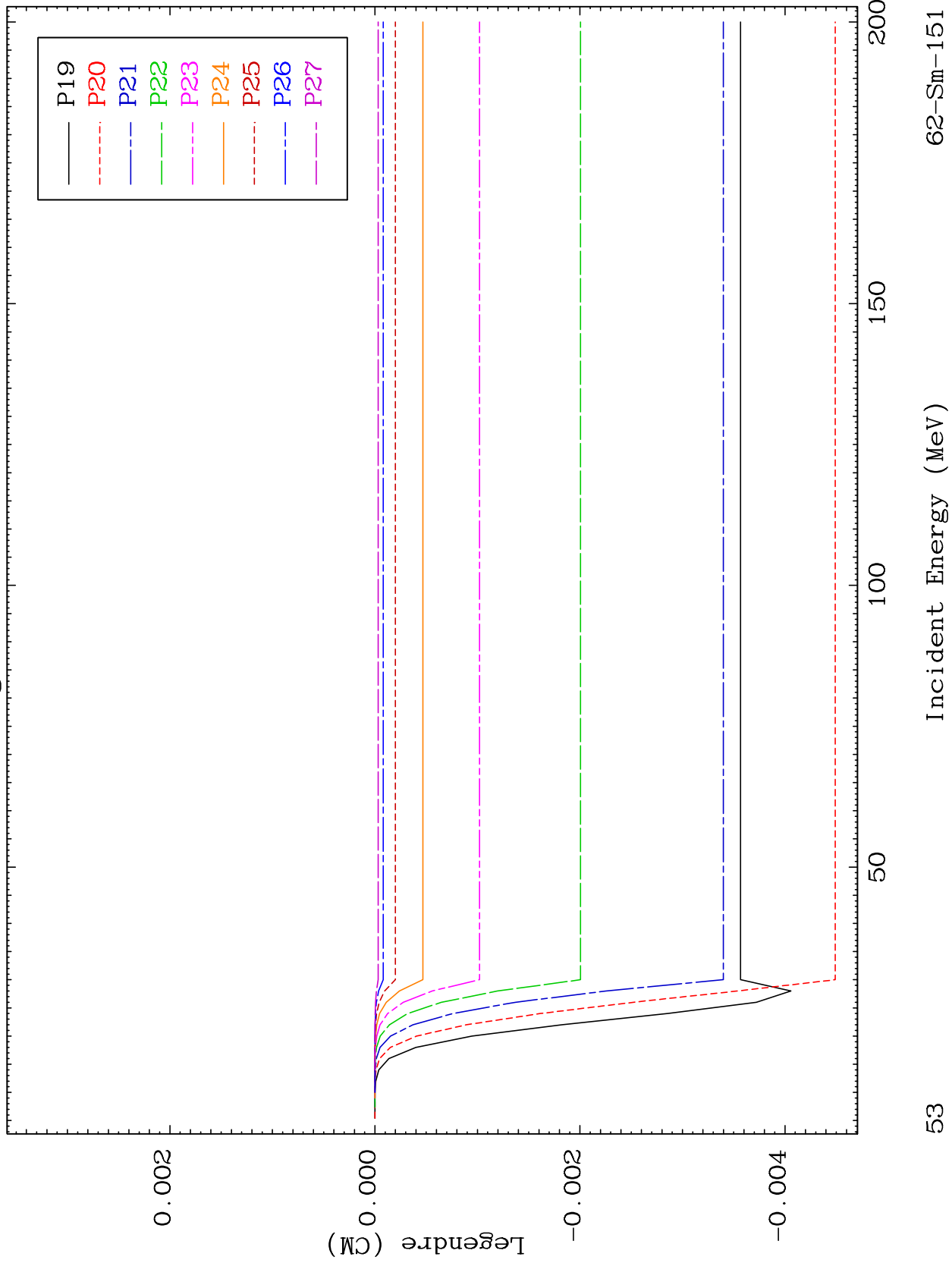
Incident Energy (MeV)

52

MAT 6246

MT= 59 (n,n') Level  
Legendre Coefficients

62-Sm-151



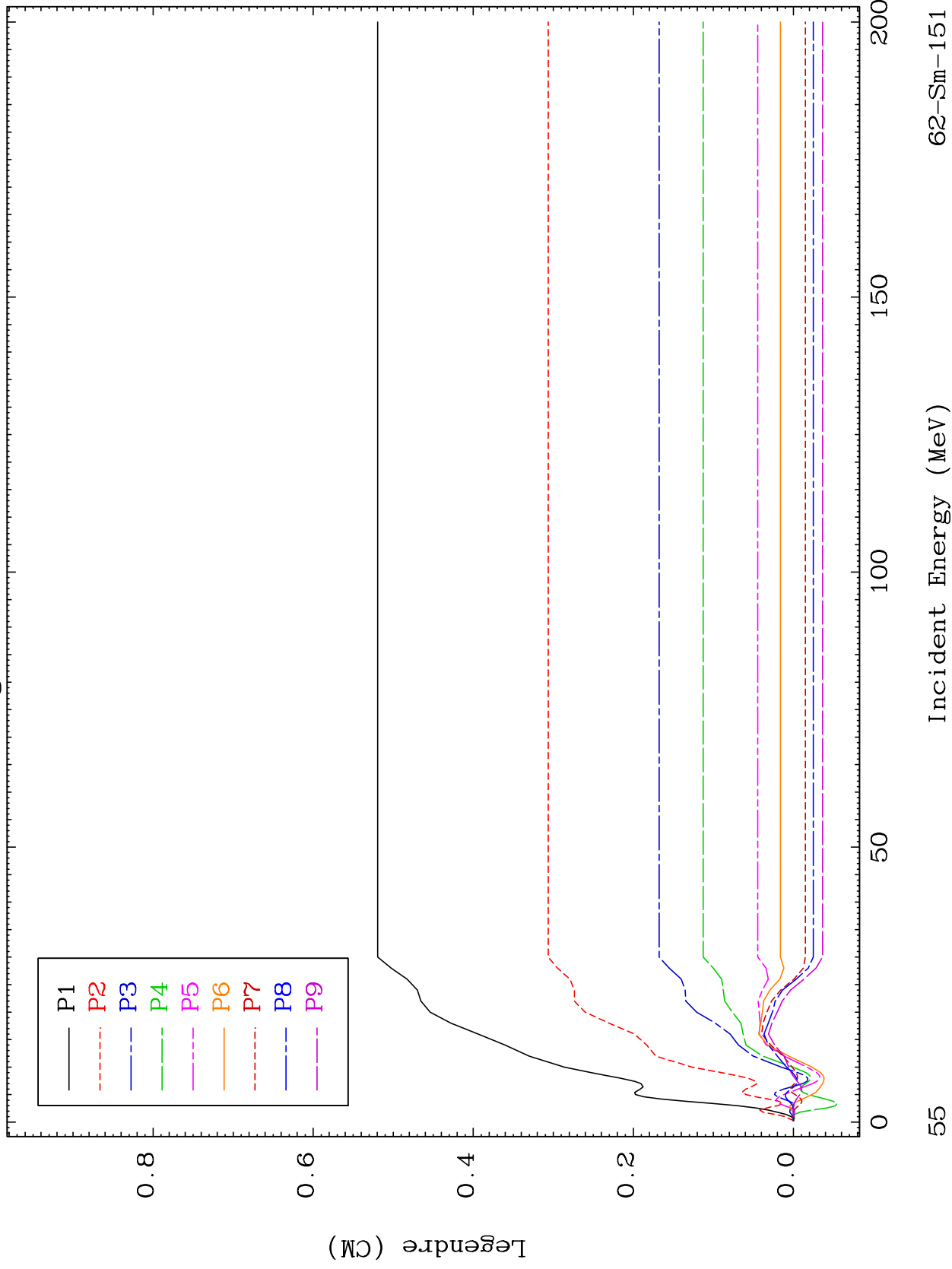
53



MAT 6246

MT= 60 (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

Incident Energy (MeV)

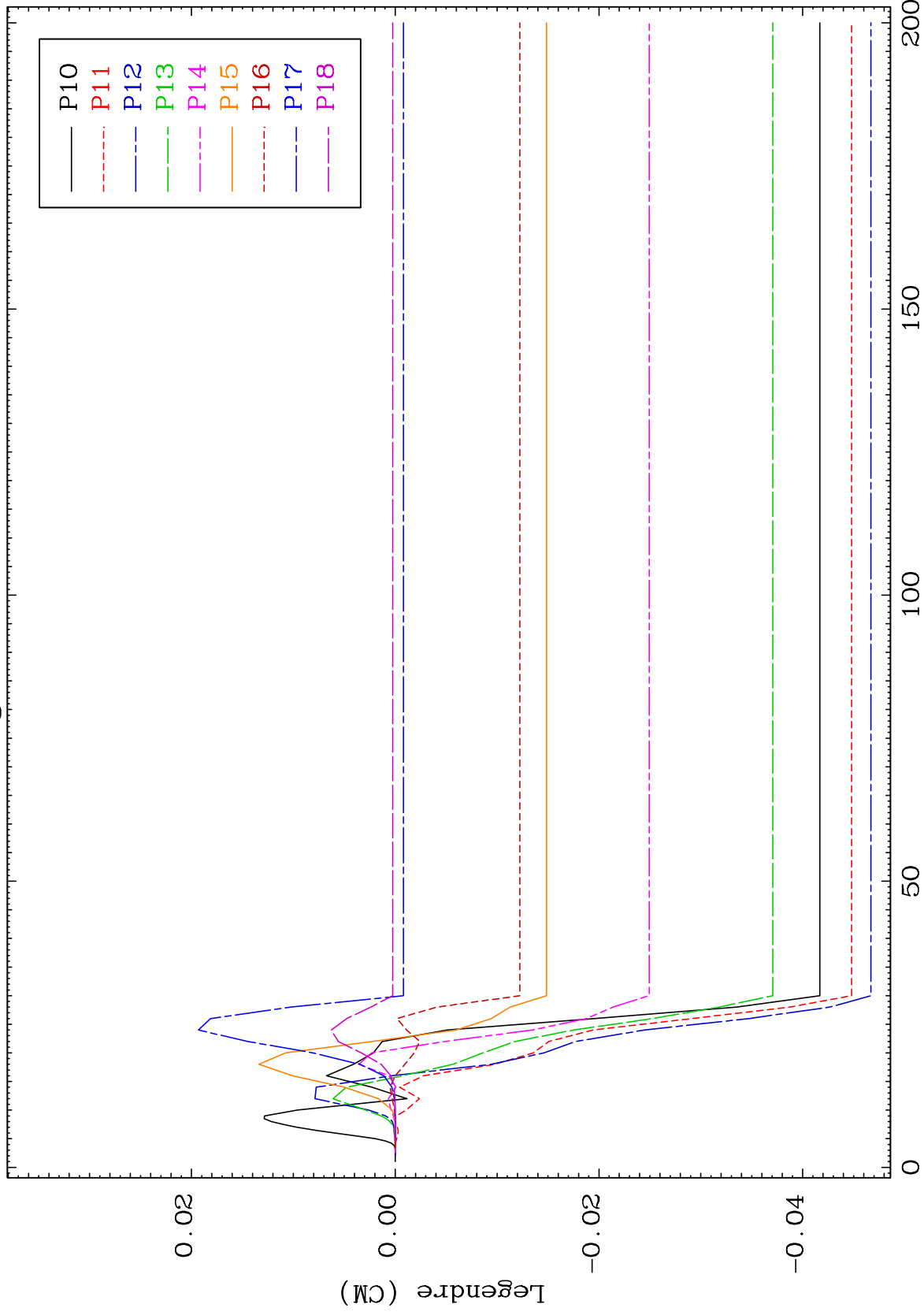
55



MAT 6246

MT= 60 (n,n') Level  
Legendre Coefficients

62-Sm-151



56

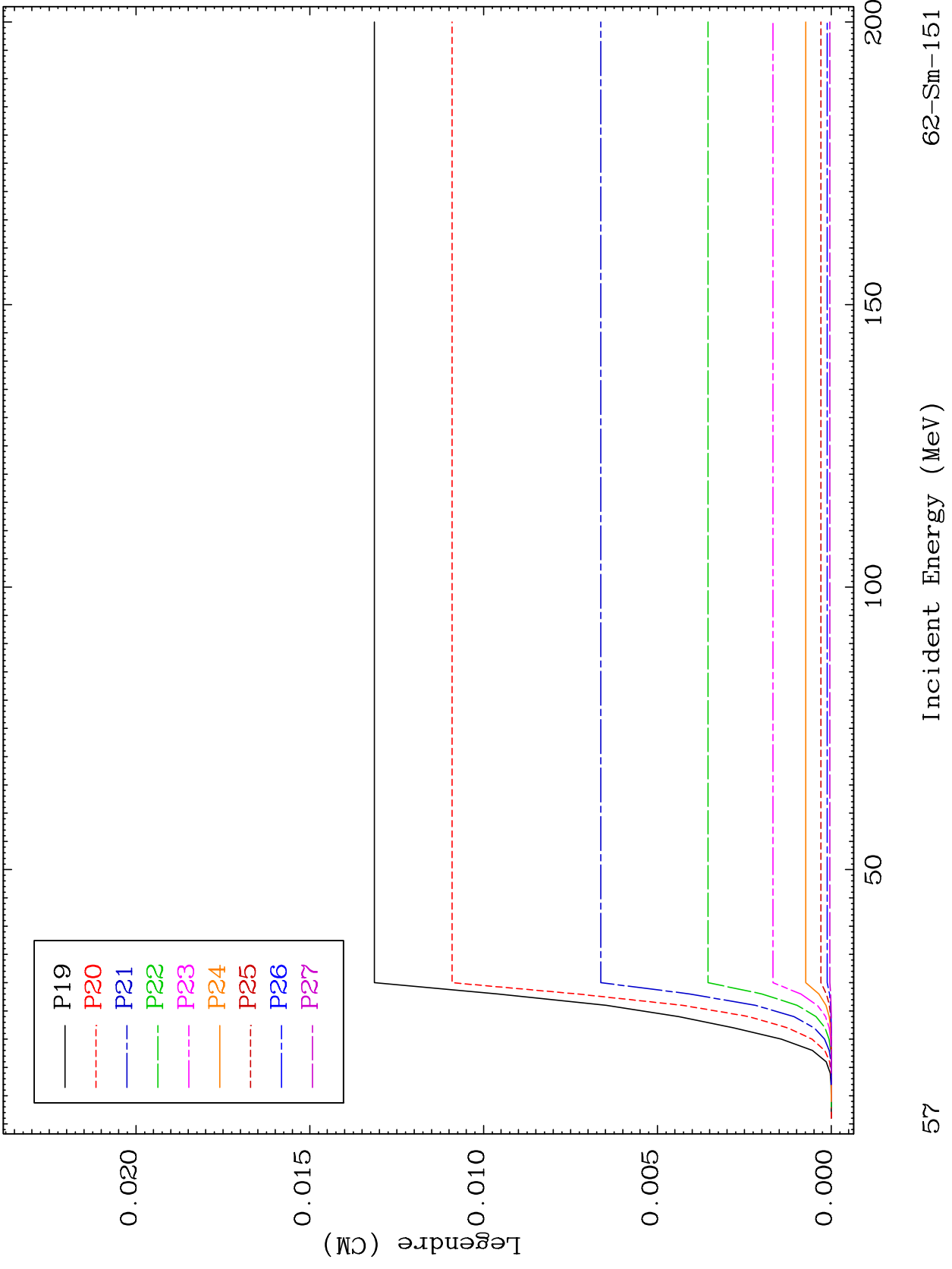
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 60 (n,n') Level  
Legendre Coefficients

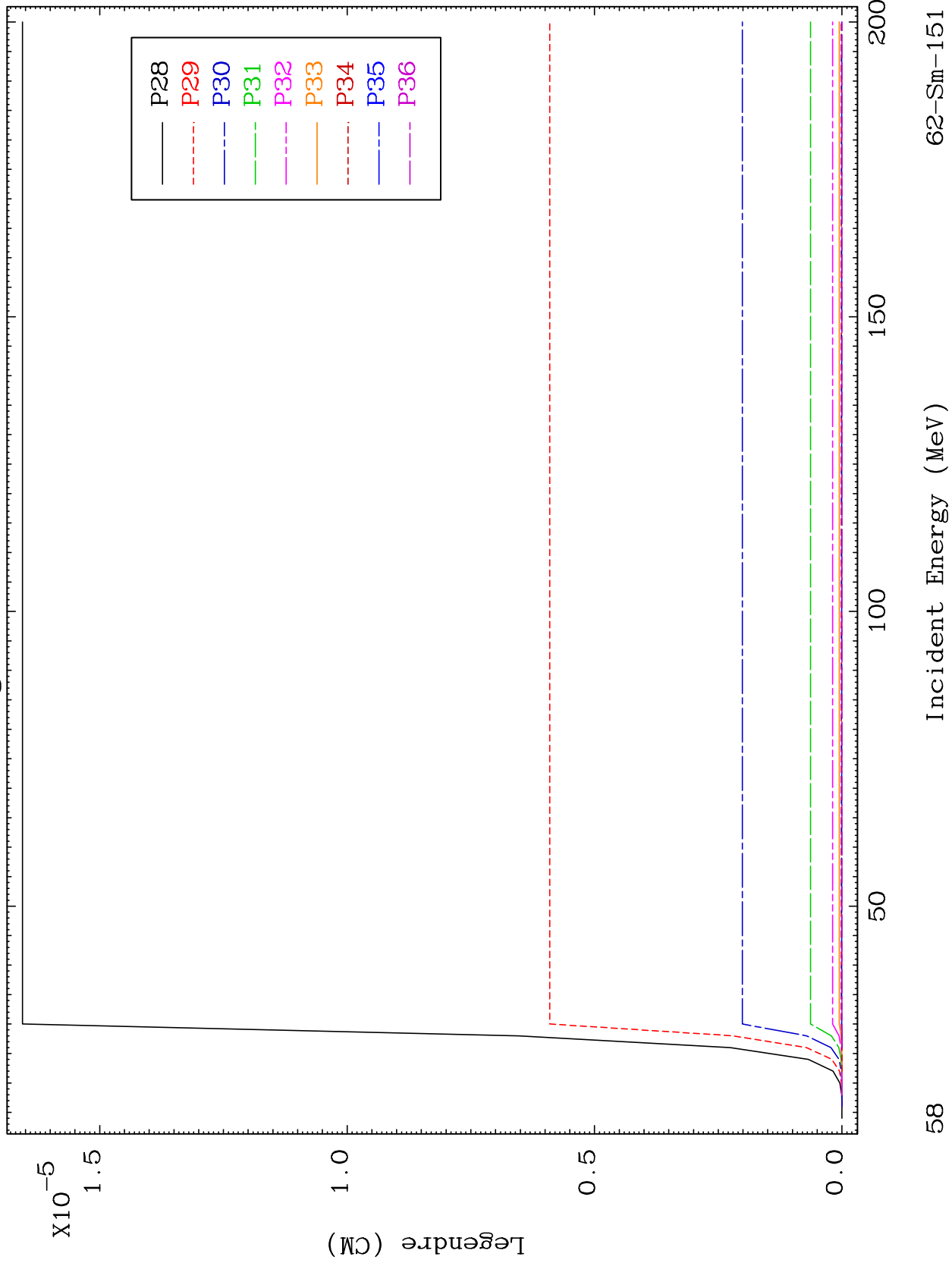
62-Sm-151



MAT 6246

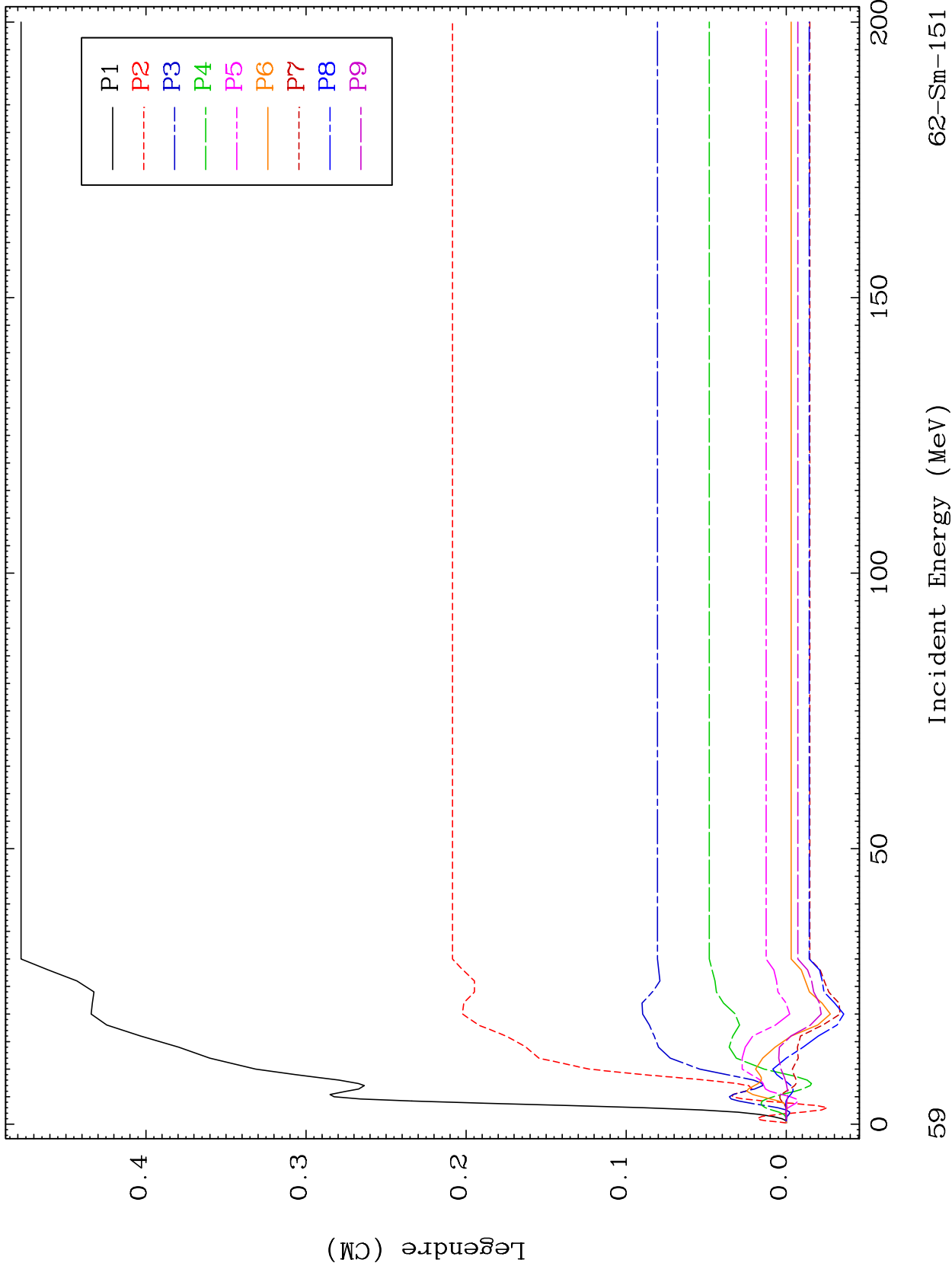
MT= 60 (n,n') Level  
Legendre Coefficients

62-Sm-151



58

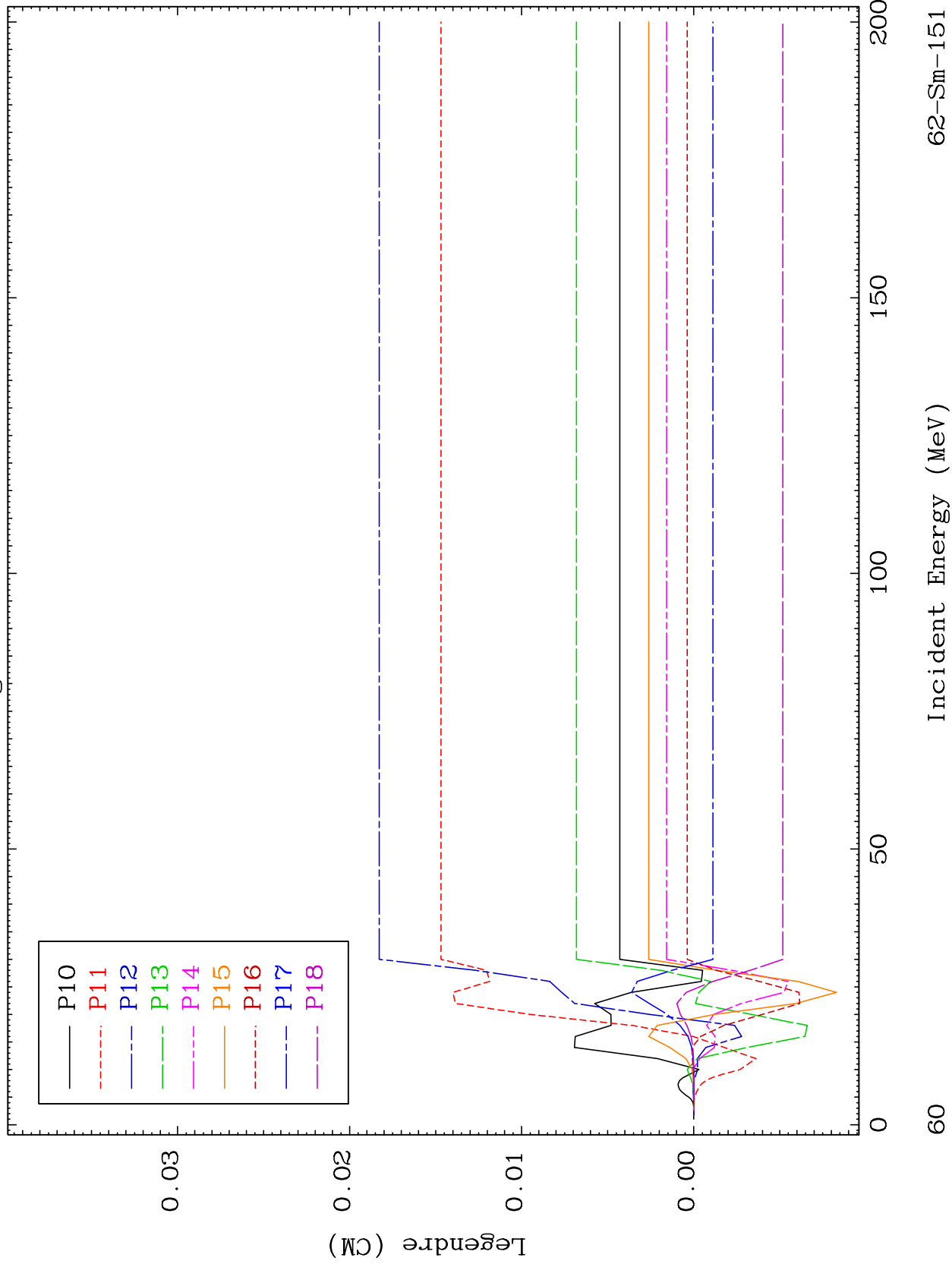
62-Sm-151



MAT 6246

MT= 61 (n,n') Level  
Legendre Coefficients

62-Sm-151

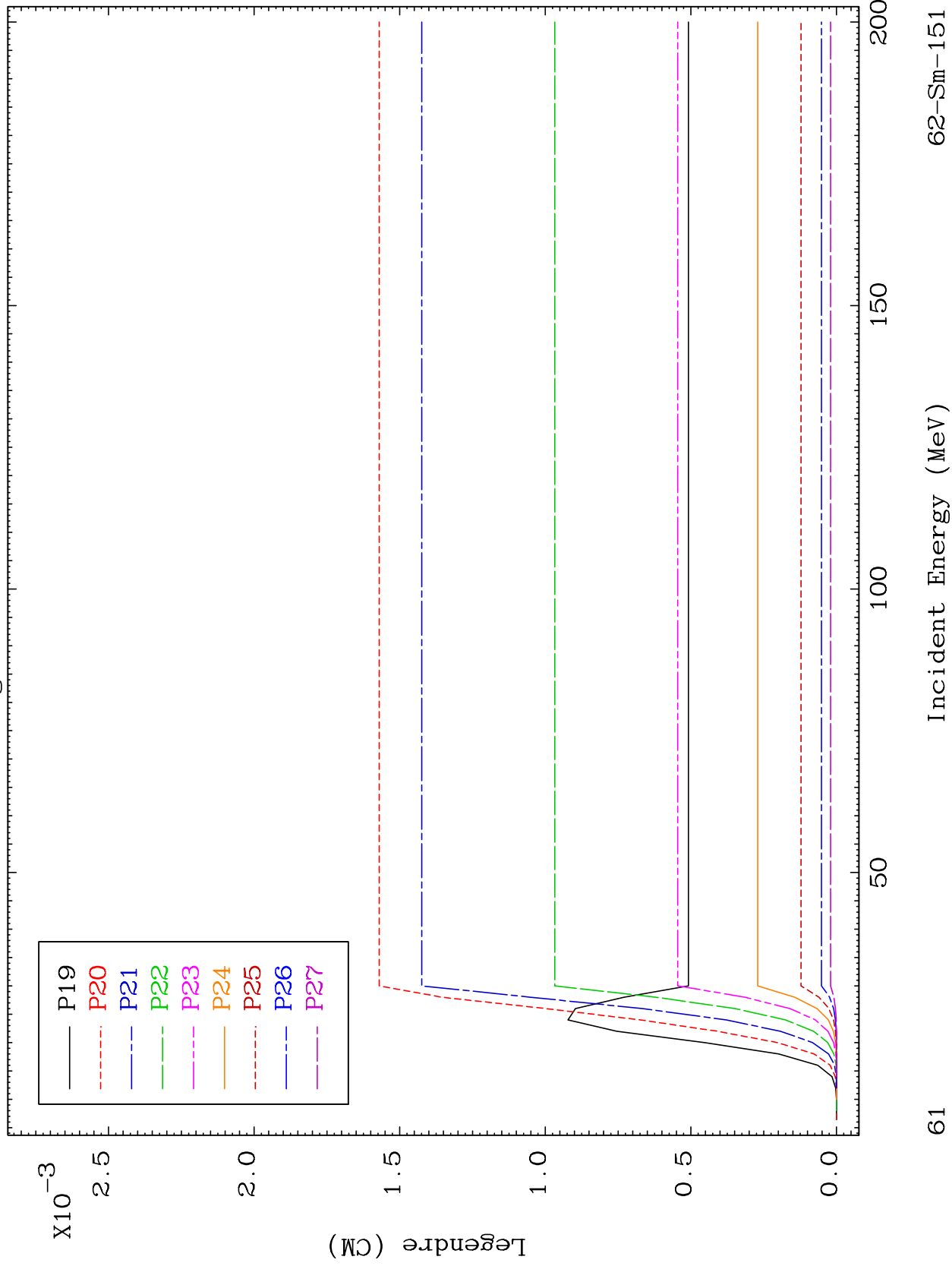


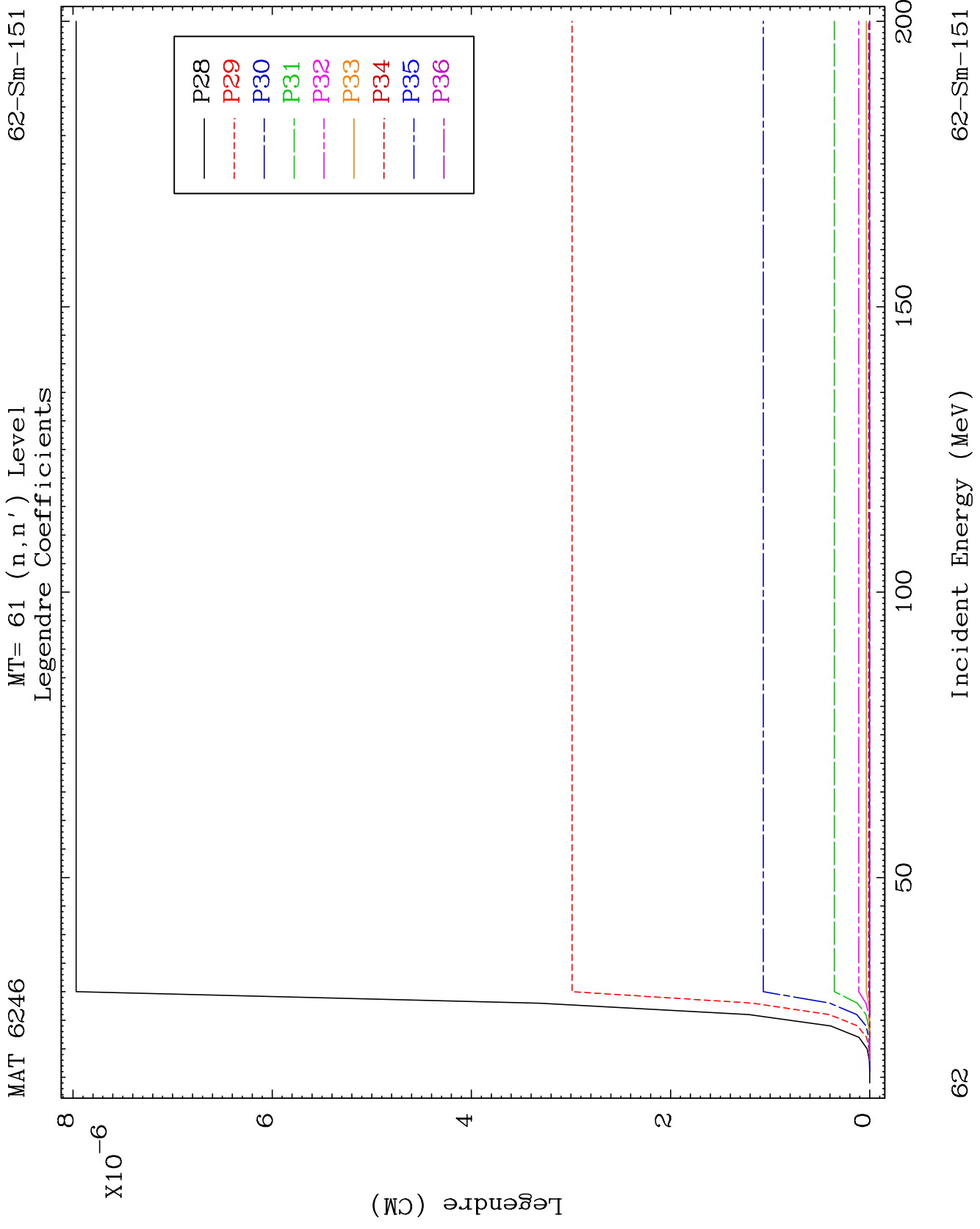
62-Sm-151

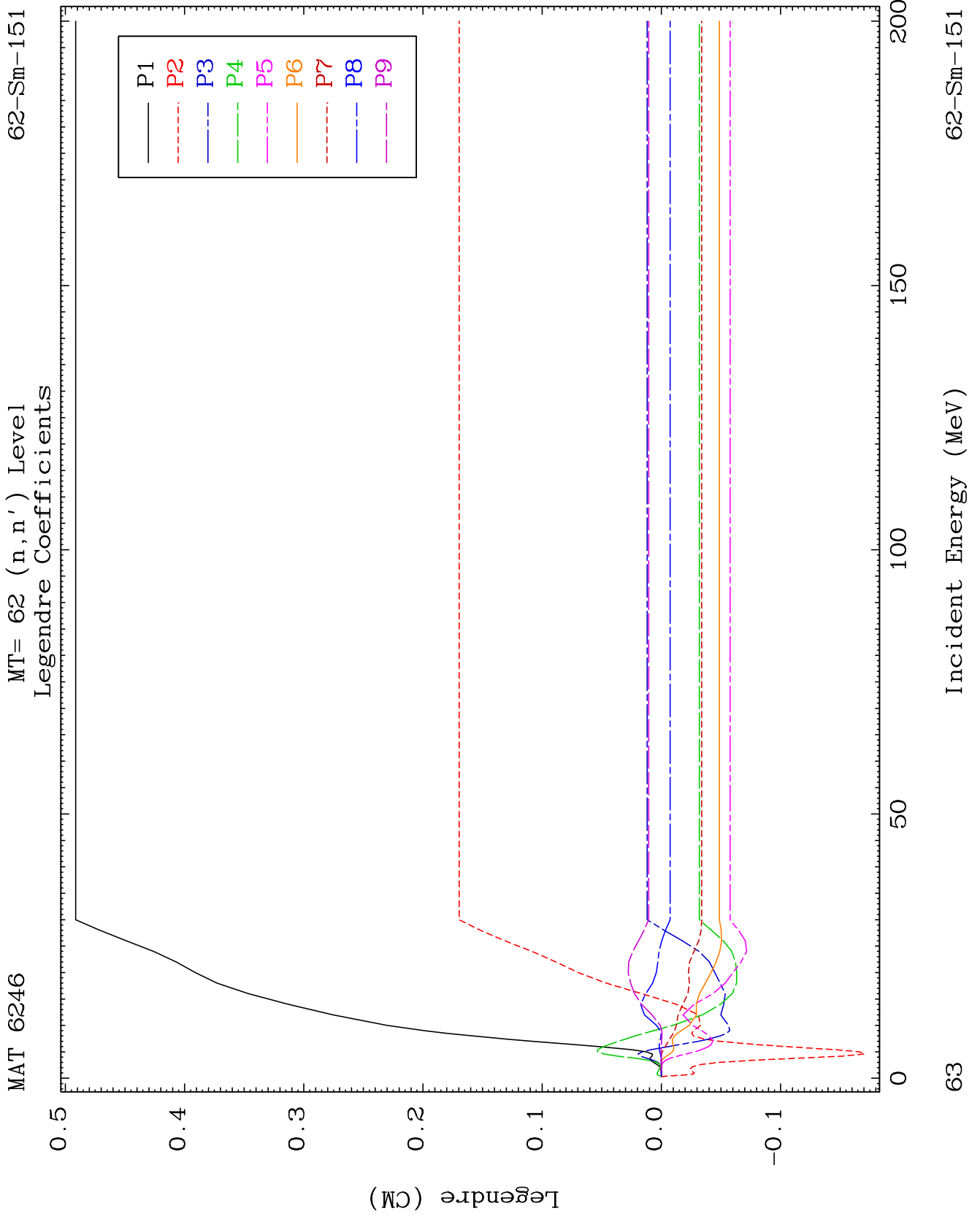
MAT 6246

MT= 61 (n,n') Level  
Legendre Coefficients

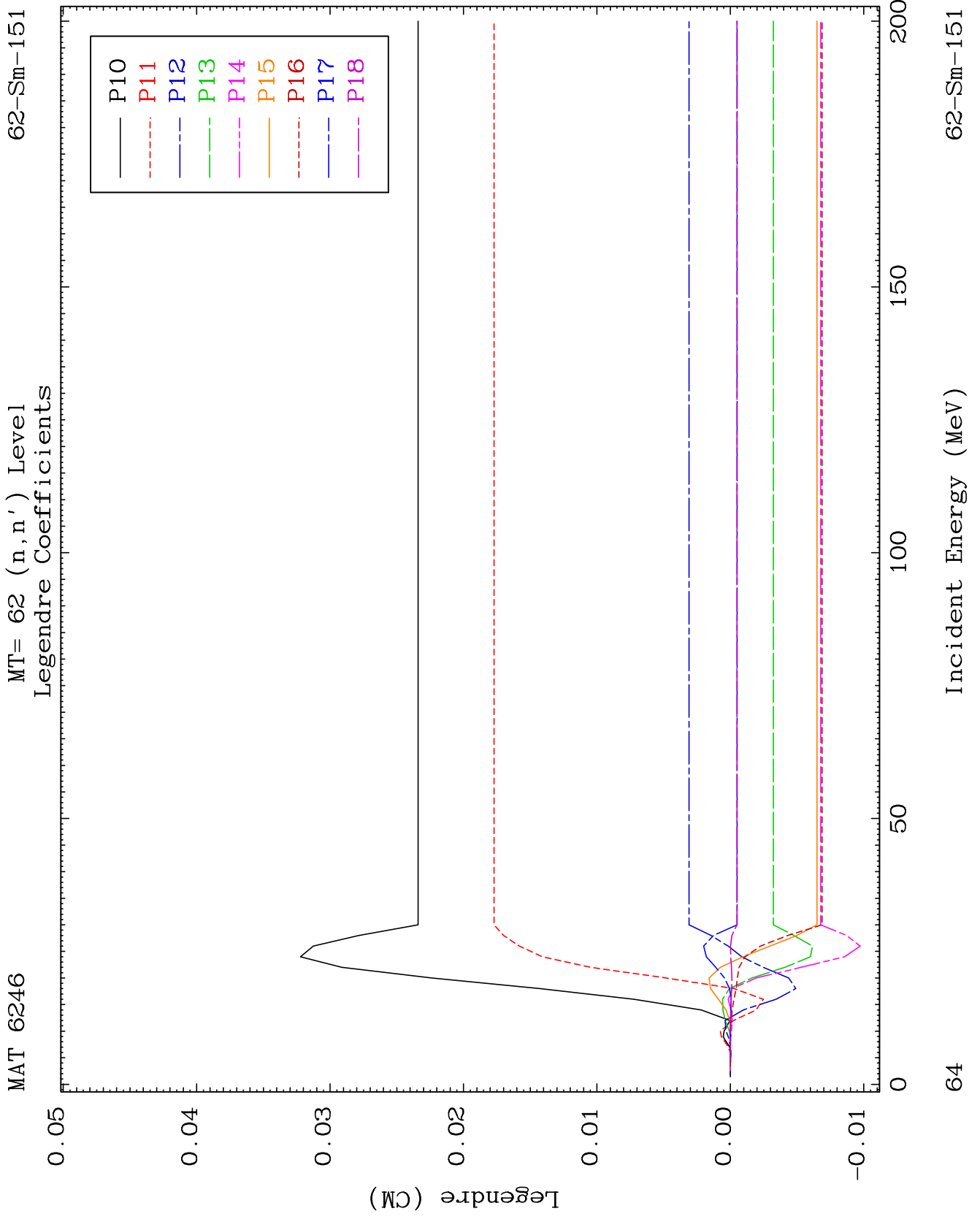
62-Sm-151







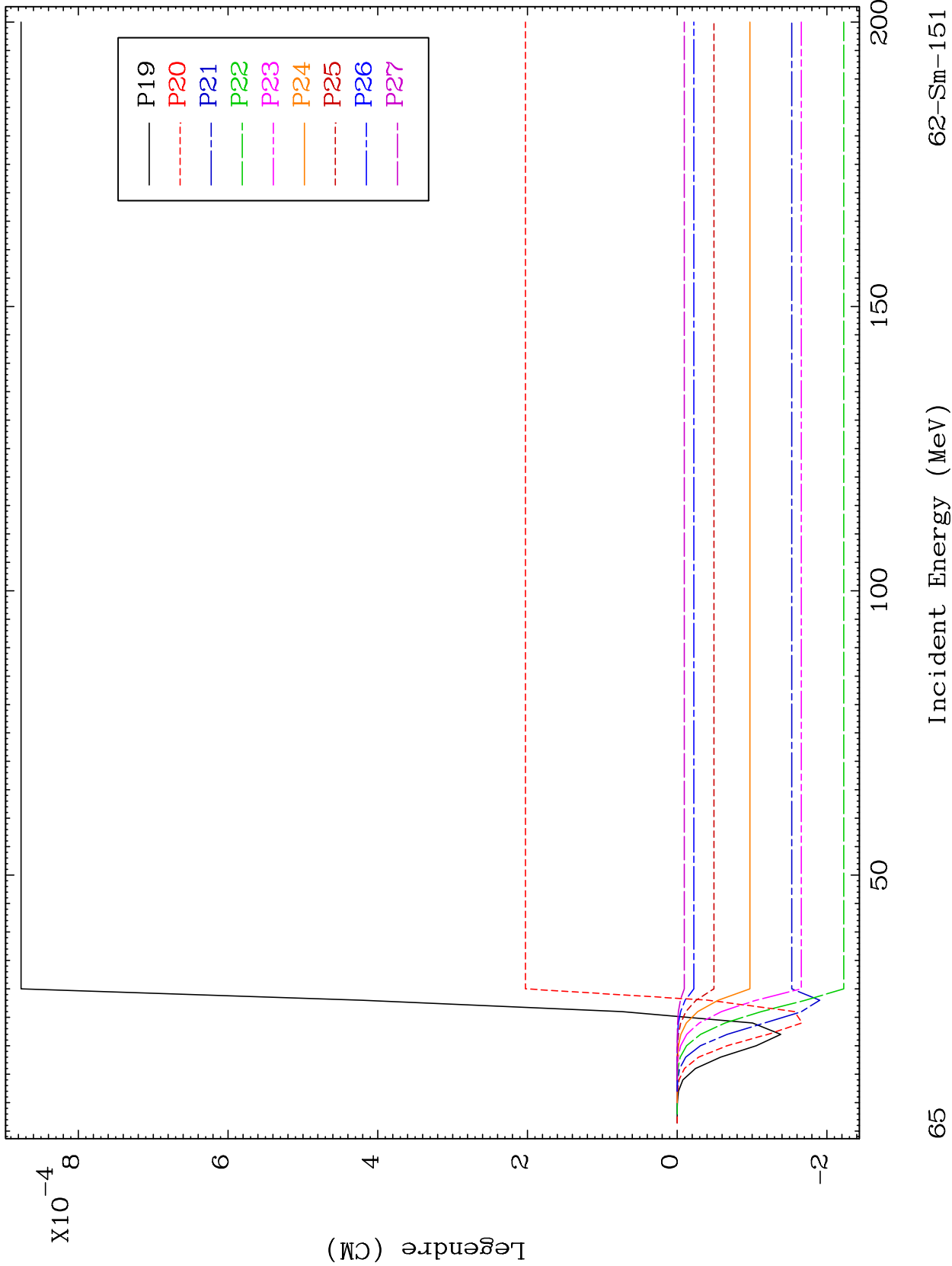




MAT 6246

MT= 62 (n,n') Level  
Legendre Coefficients

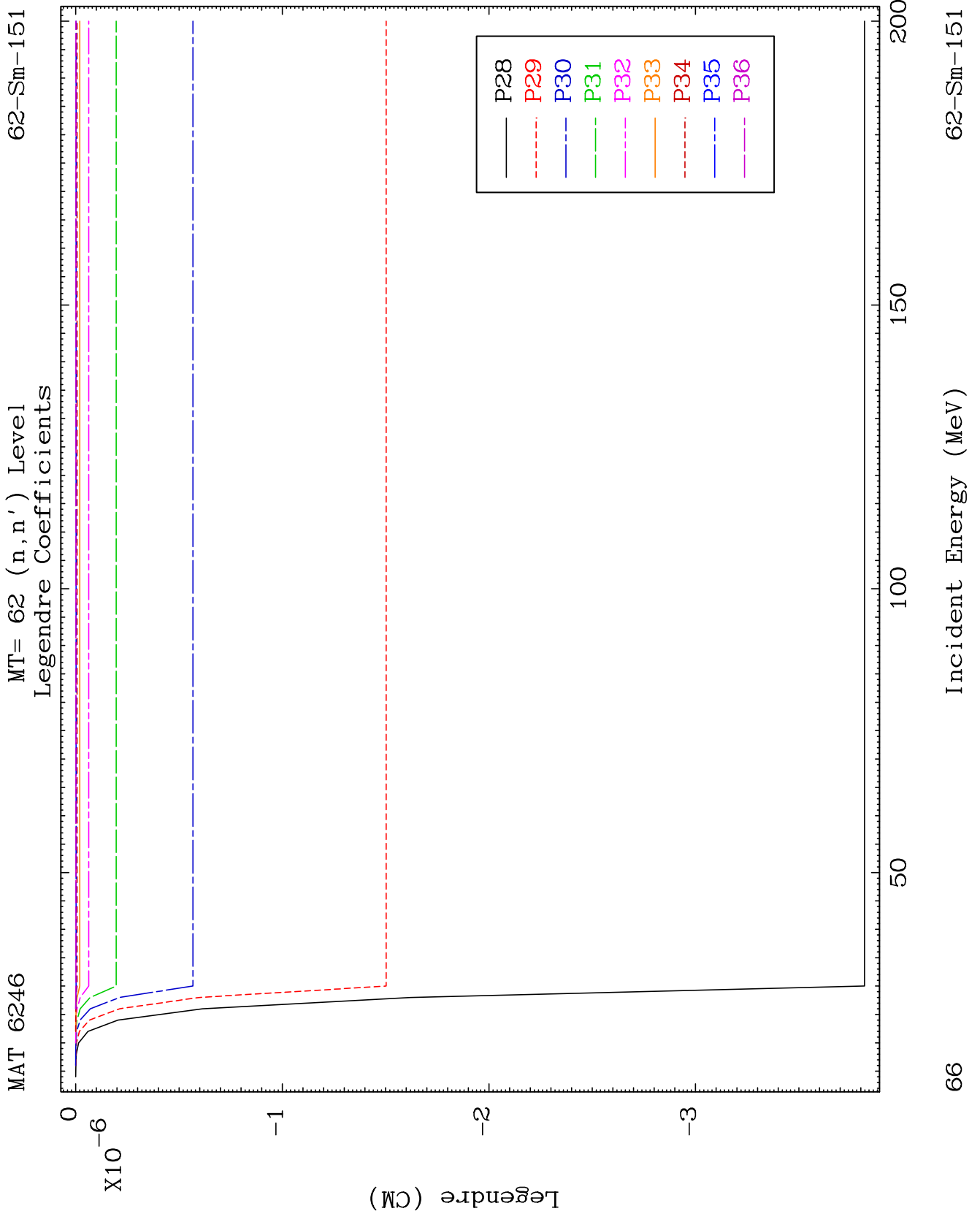
62-Sm-151



65

Incident Energy (MeV)

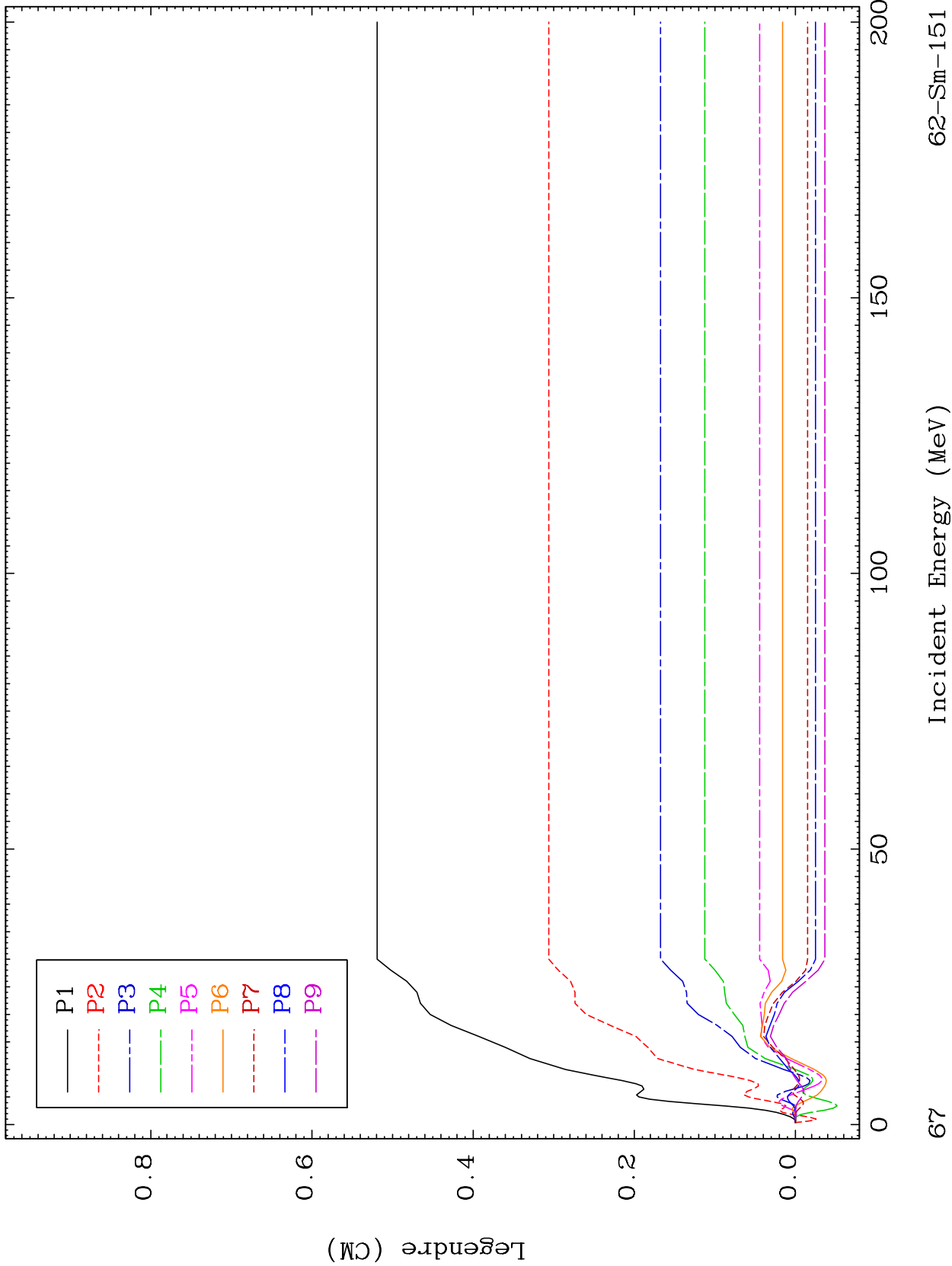
62-Sm-151



MAT 6246

MT= 63 (n,n') Level  
Legendre Coefficients

62-Sm-151



67

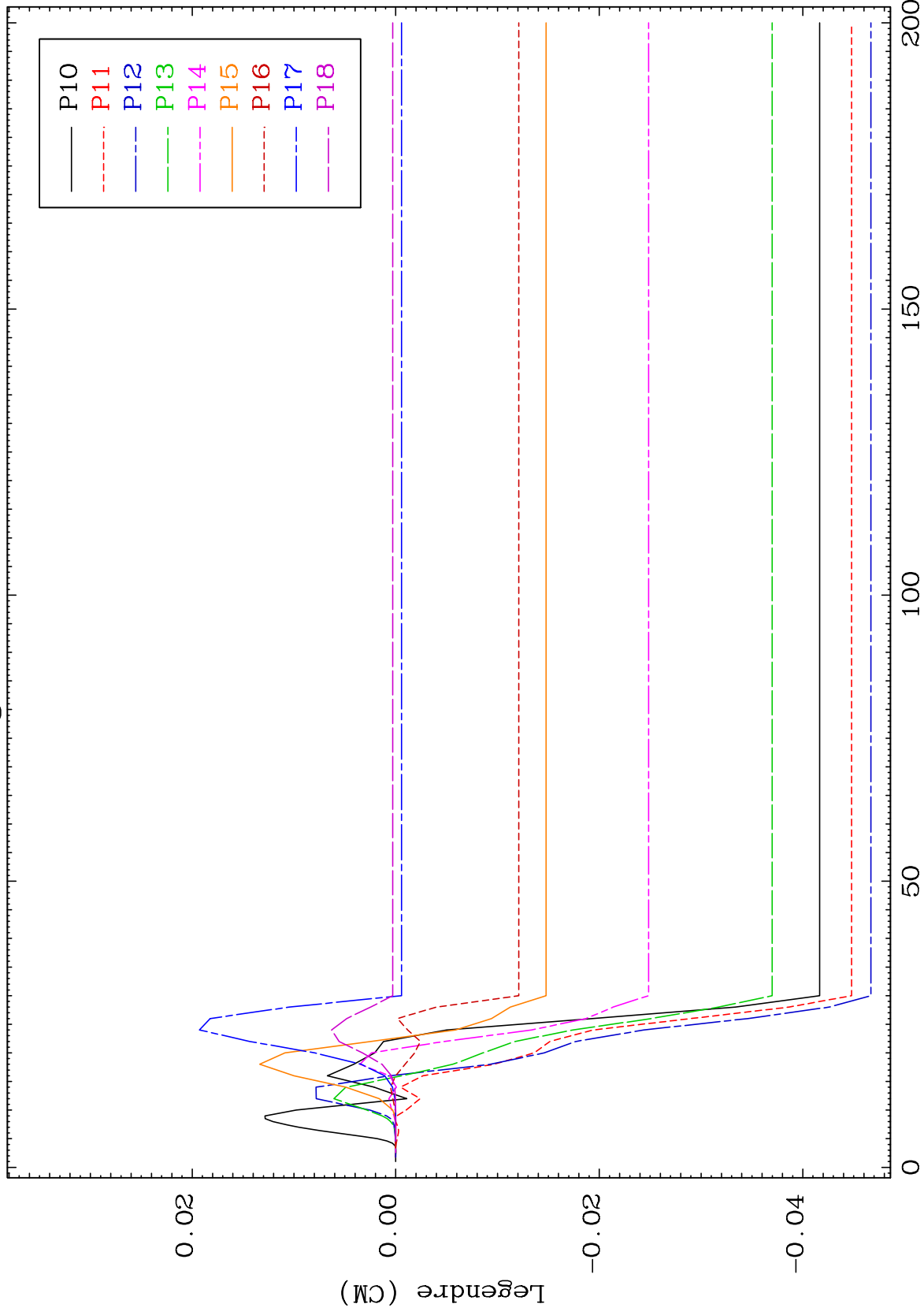
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 63 (n,n') Level  
Legendre Coefficients

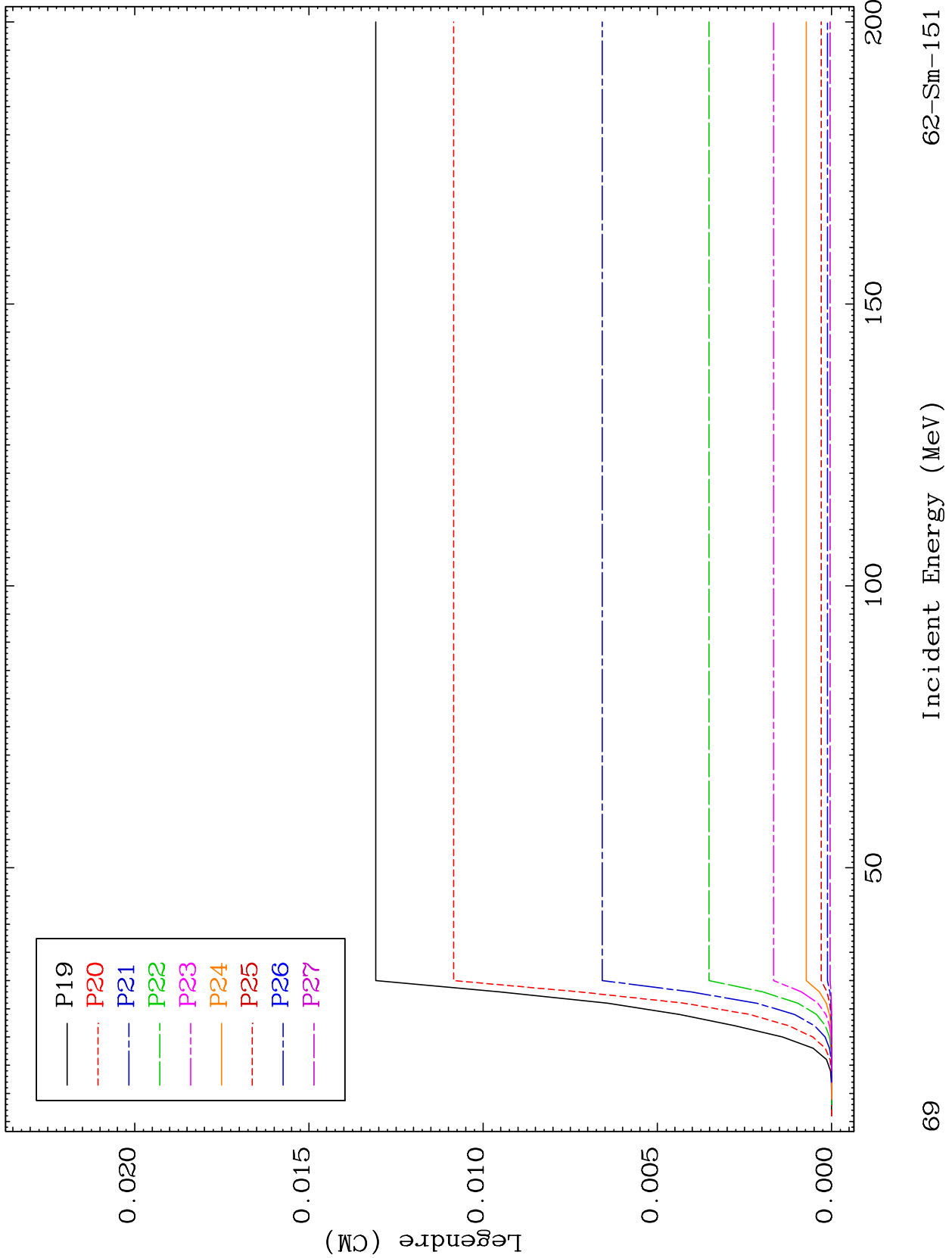
62-Sm-151



68

Incident Energy (MeV)

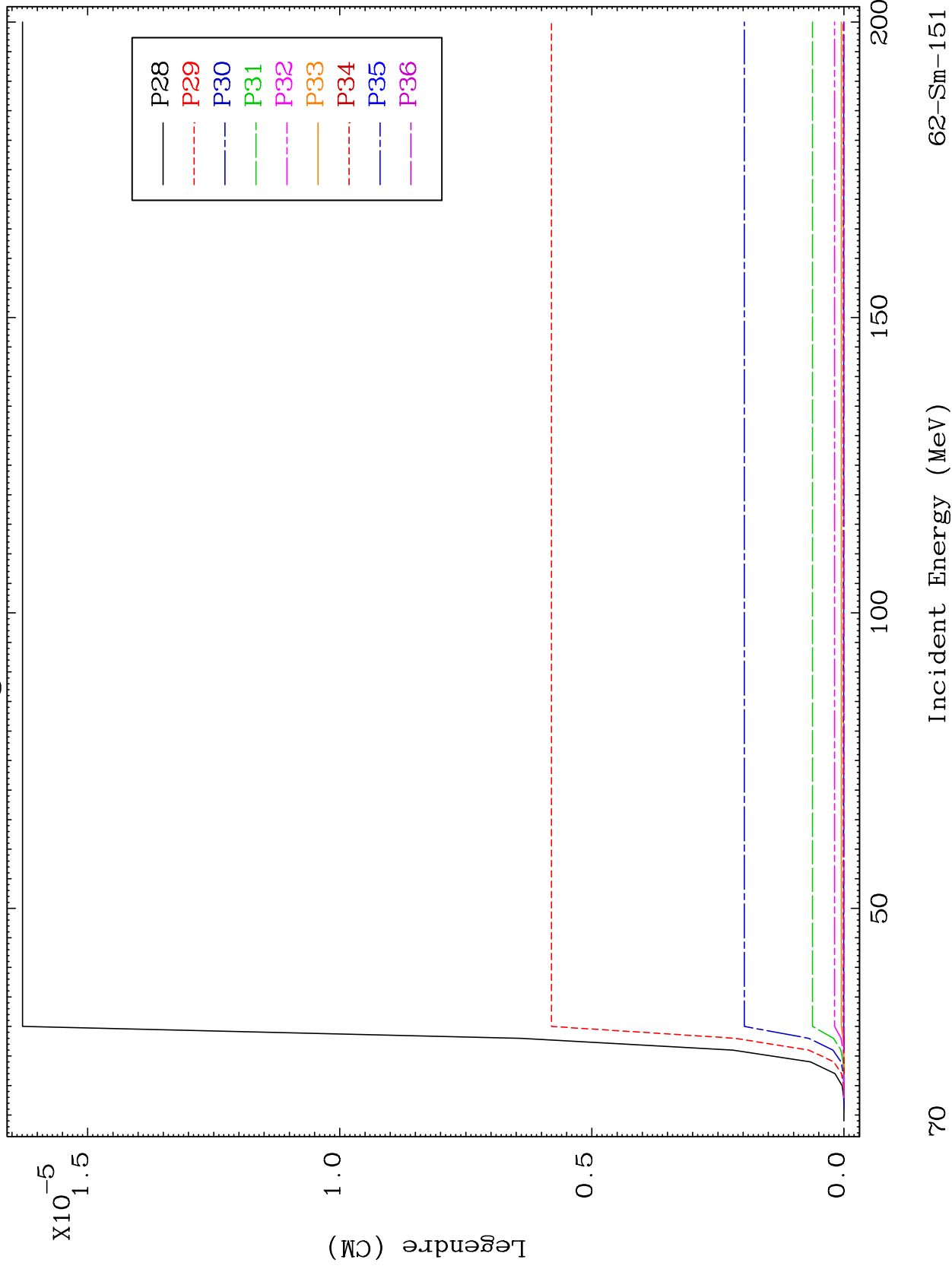
62-Sm-151



MAT 6246

MT= 63 (n,n') Level  
Legendre Coefficients

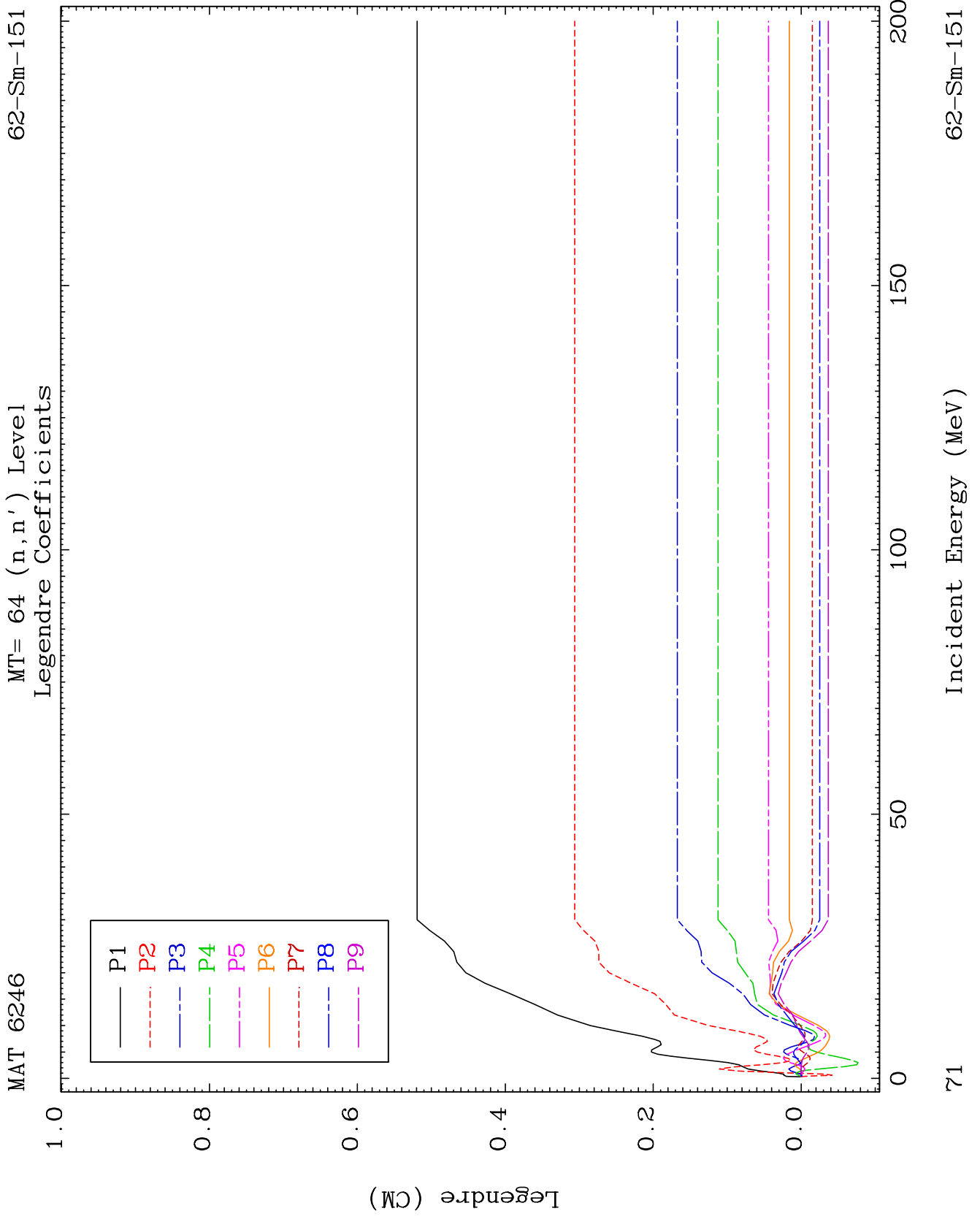
62-Sm-151



70

Incident Energy (MeV)

62-Sm-151

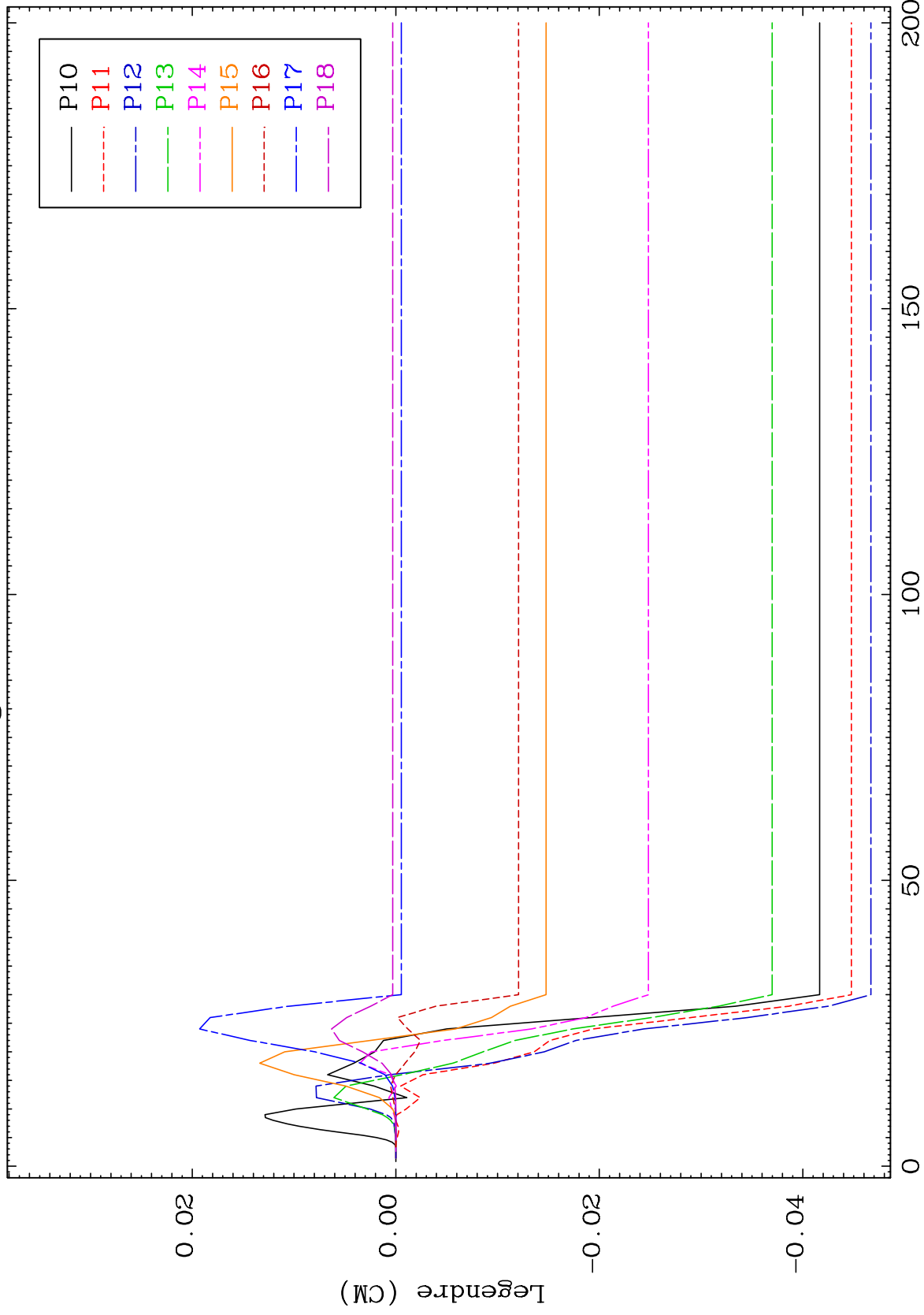




MAT 6246

MT= 64 (n,n') Level  
Legendre Coefficients

62-Sm-151



72

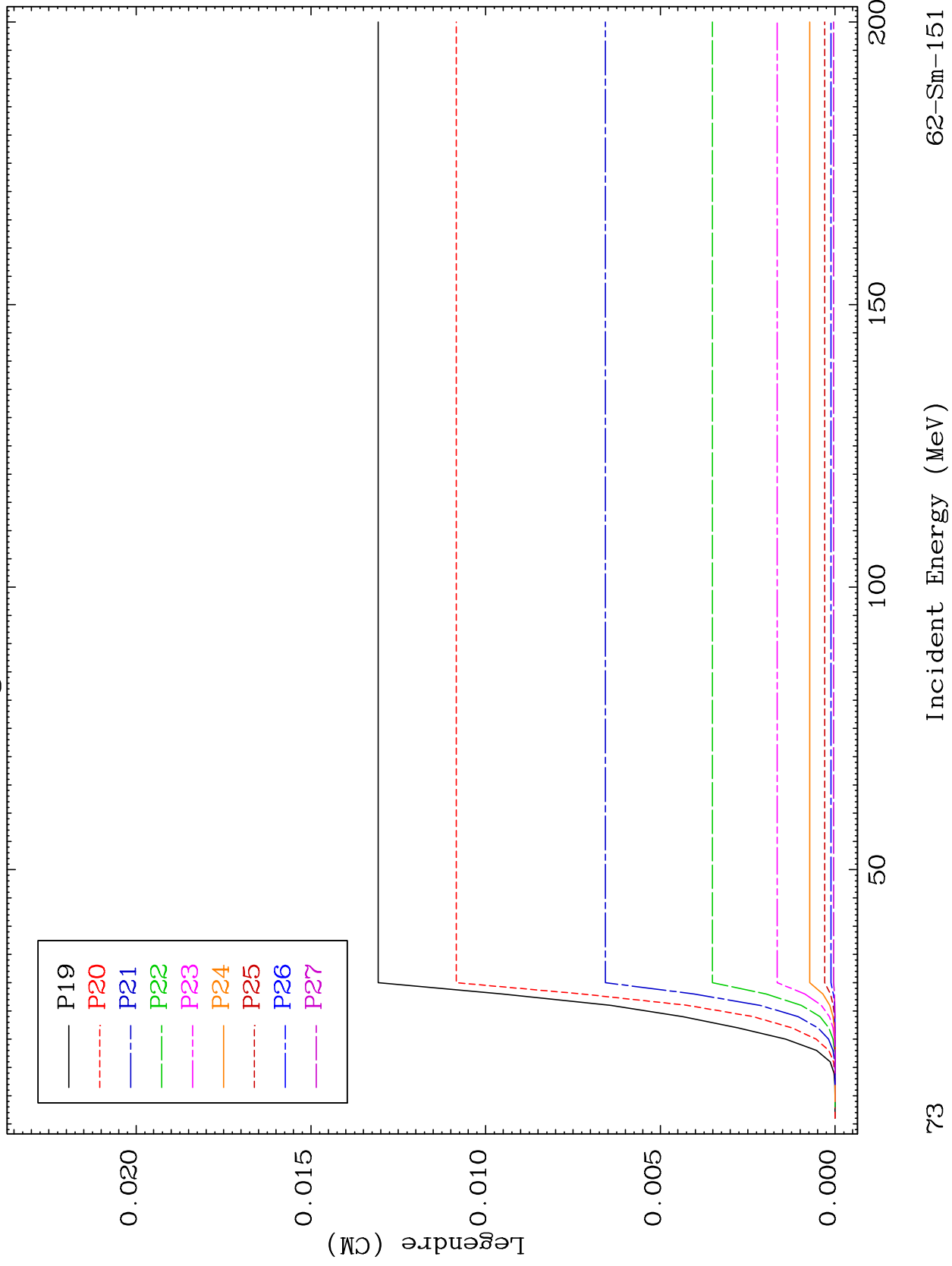
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 64 (n,n') Level  
Legendre Coefficients

62-Sm-151



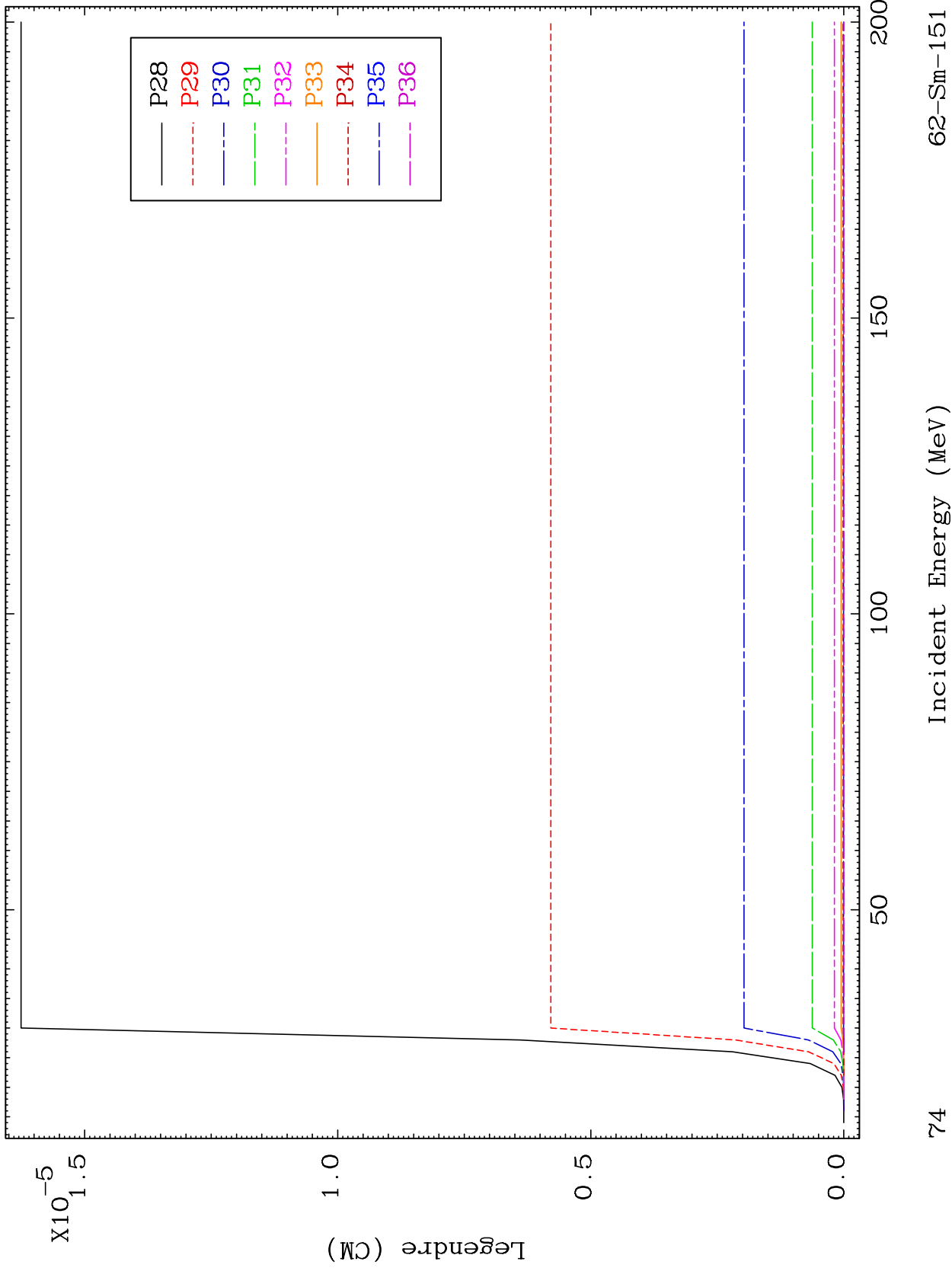
73

62-Sm-151

MAT 6246

MT= 64 (n,n') Level  
Legendre Coefficients

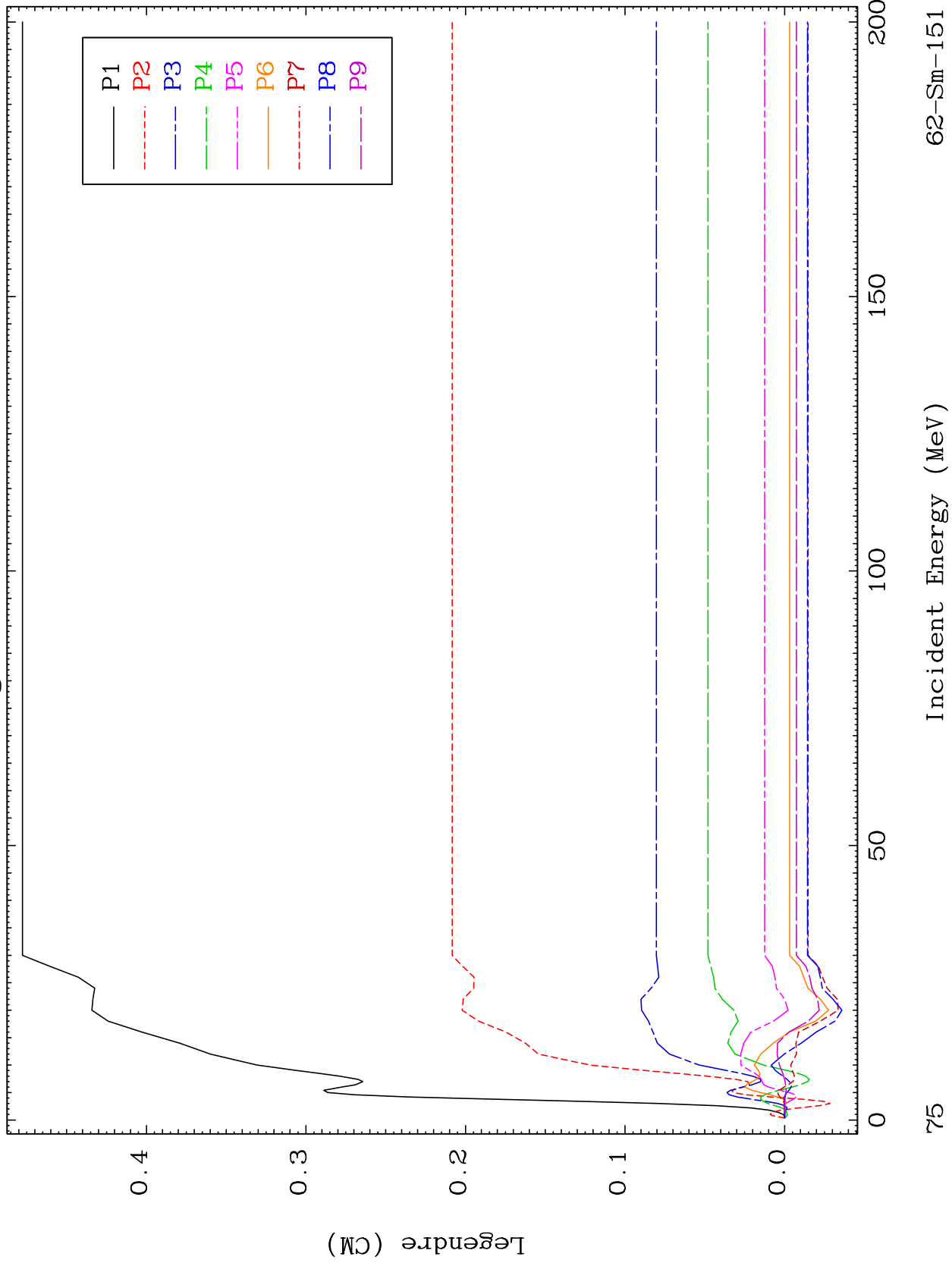
62-Sm-151



MAT 6246

MT= 65 (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

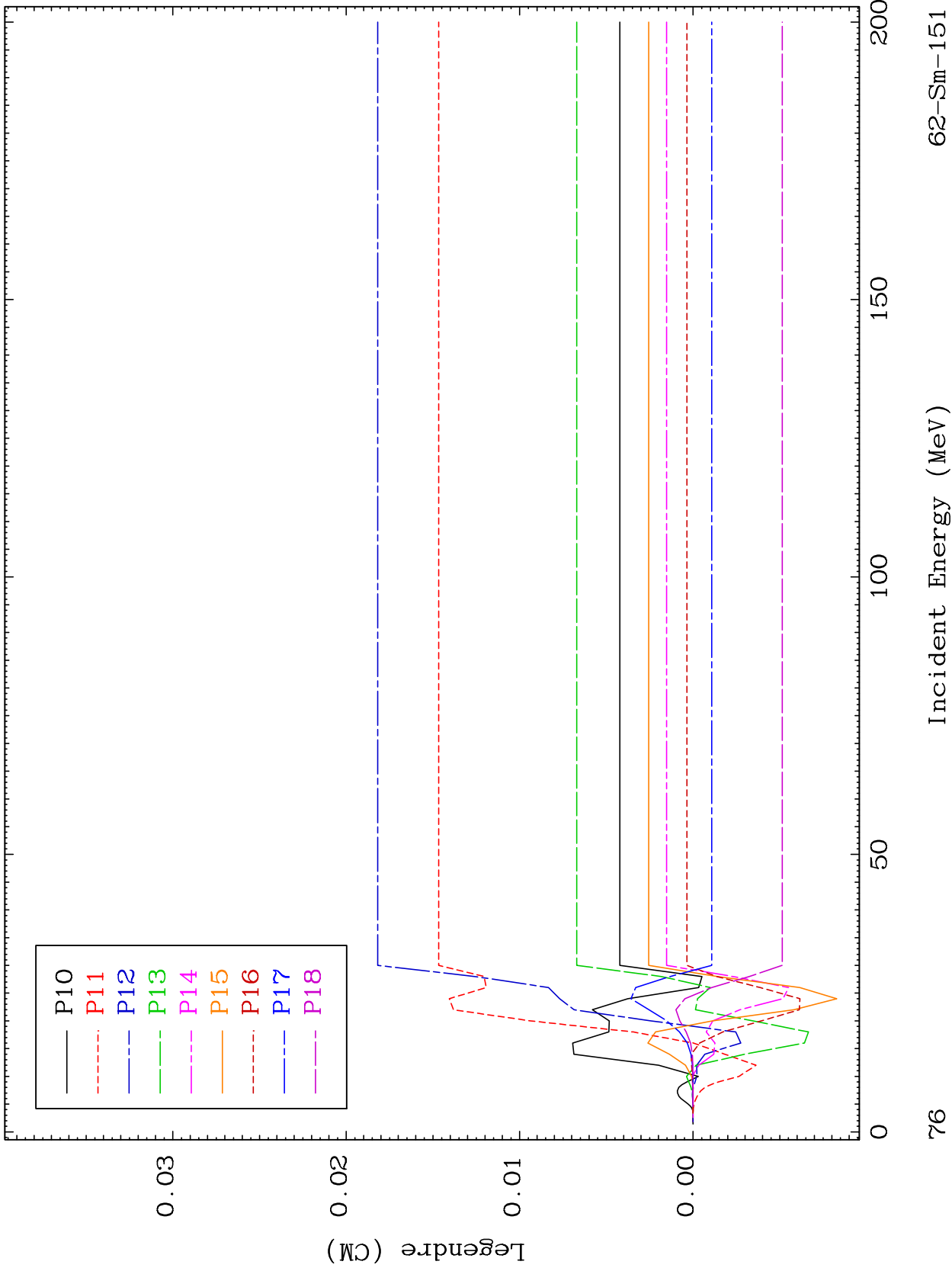
Incident Energy (MeV)

75

MAT 6246

MT= 65 (n,n') Level  
Legendre Coefficients

62-Sm-151



76

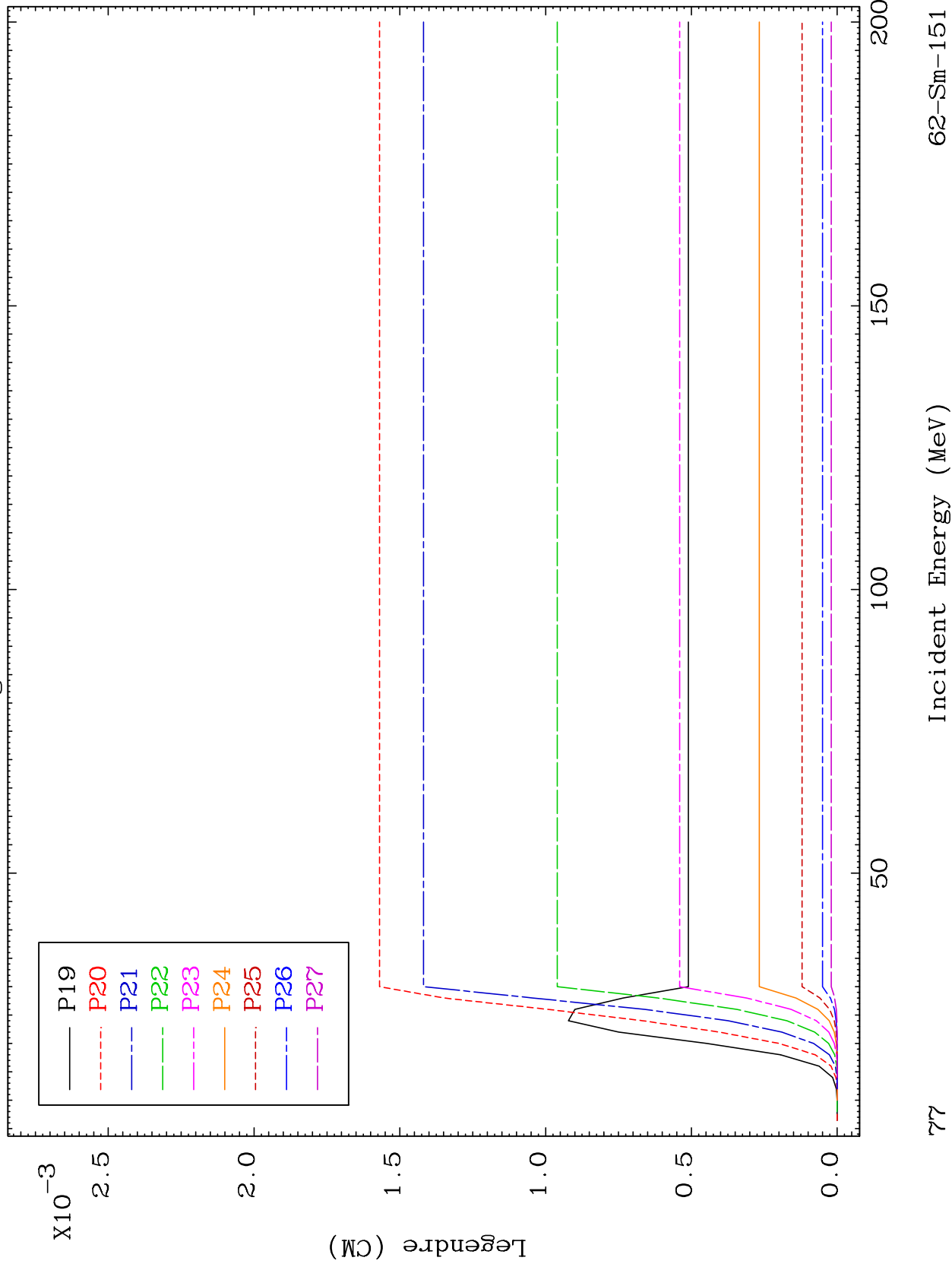
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 65 (n,n') Level  
Legendre Coefficients

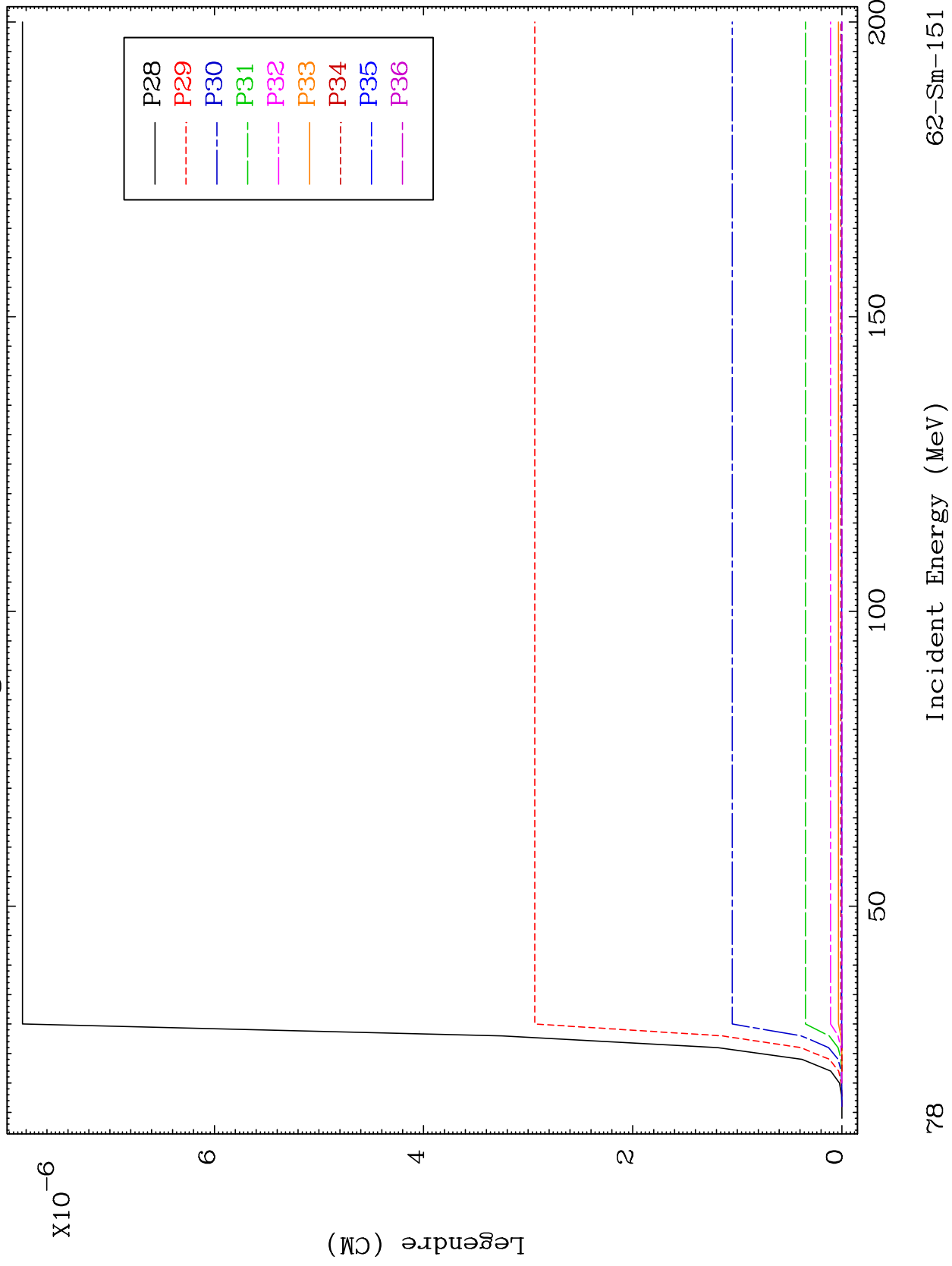
62-Sm-151



MAT 6246

MT= 65 (n,n') Level  
Legendre Coefficients

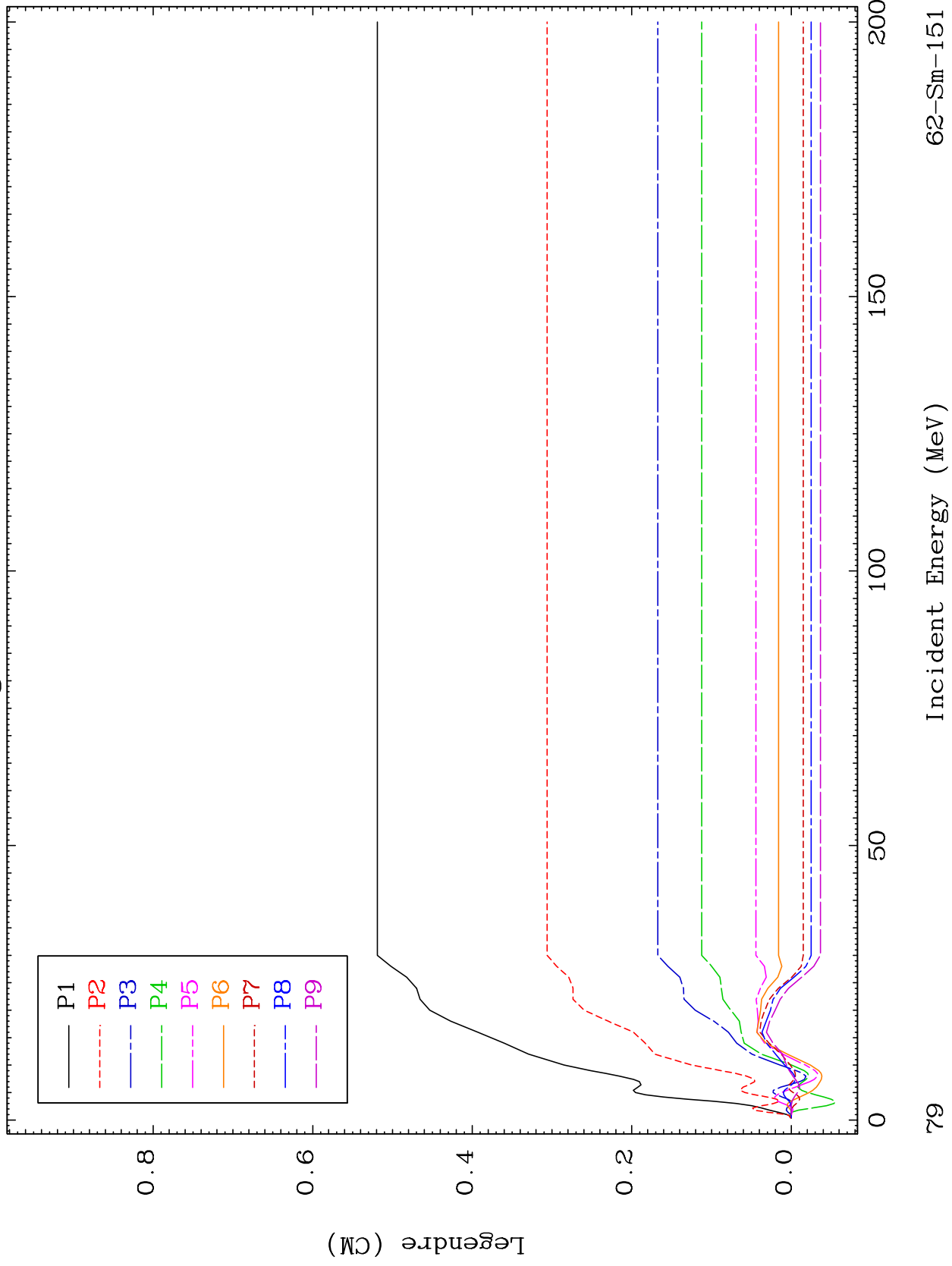
62-Sm-151



MAT 6246

MT= 66 (n,n') Level  
Legendre Coefficients

62-Sm-151



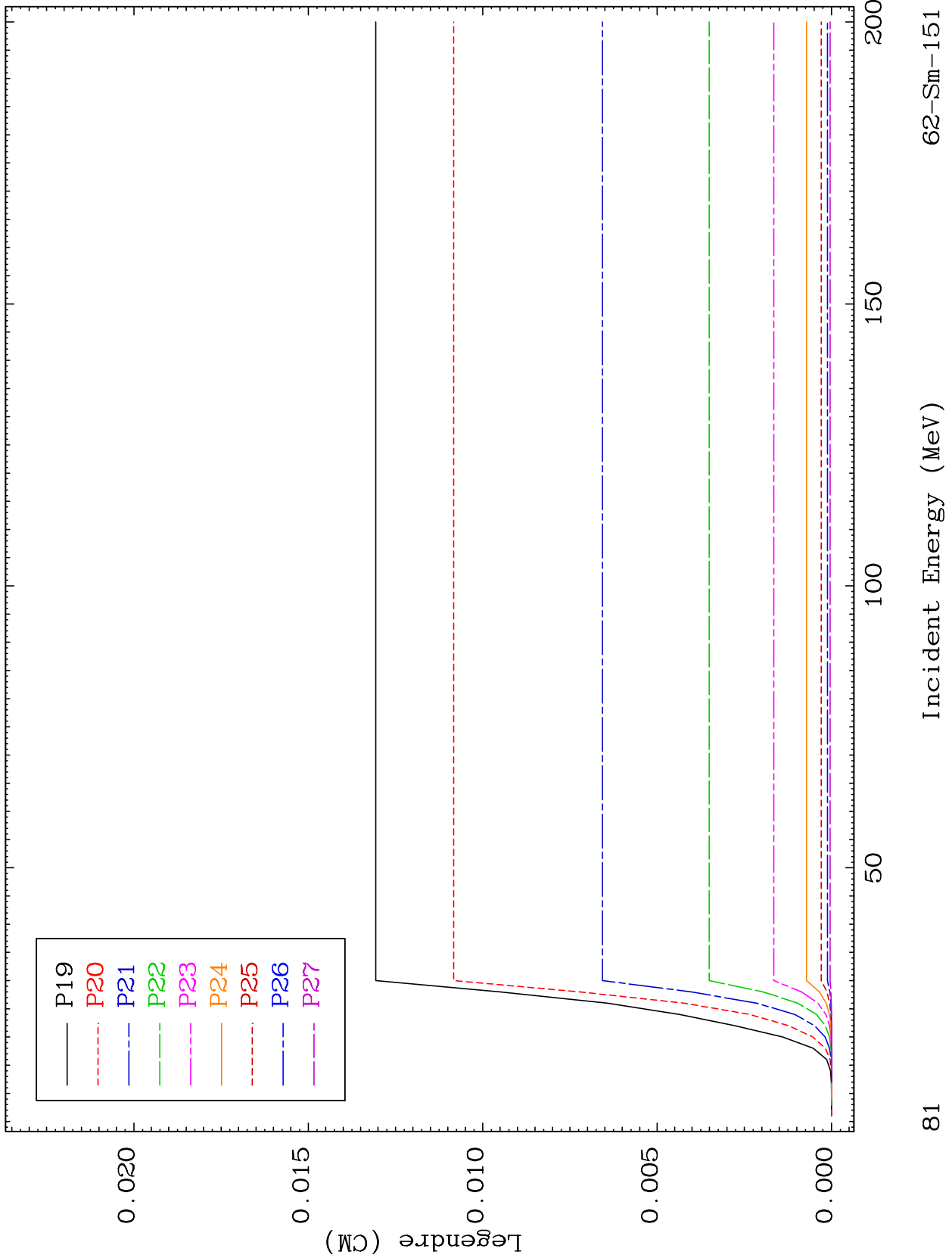
62-Sm-151

Incident Energy (MeV)

79



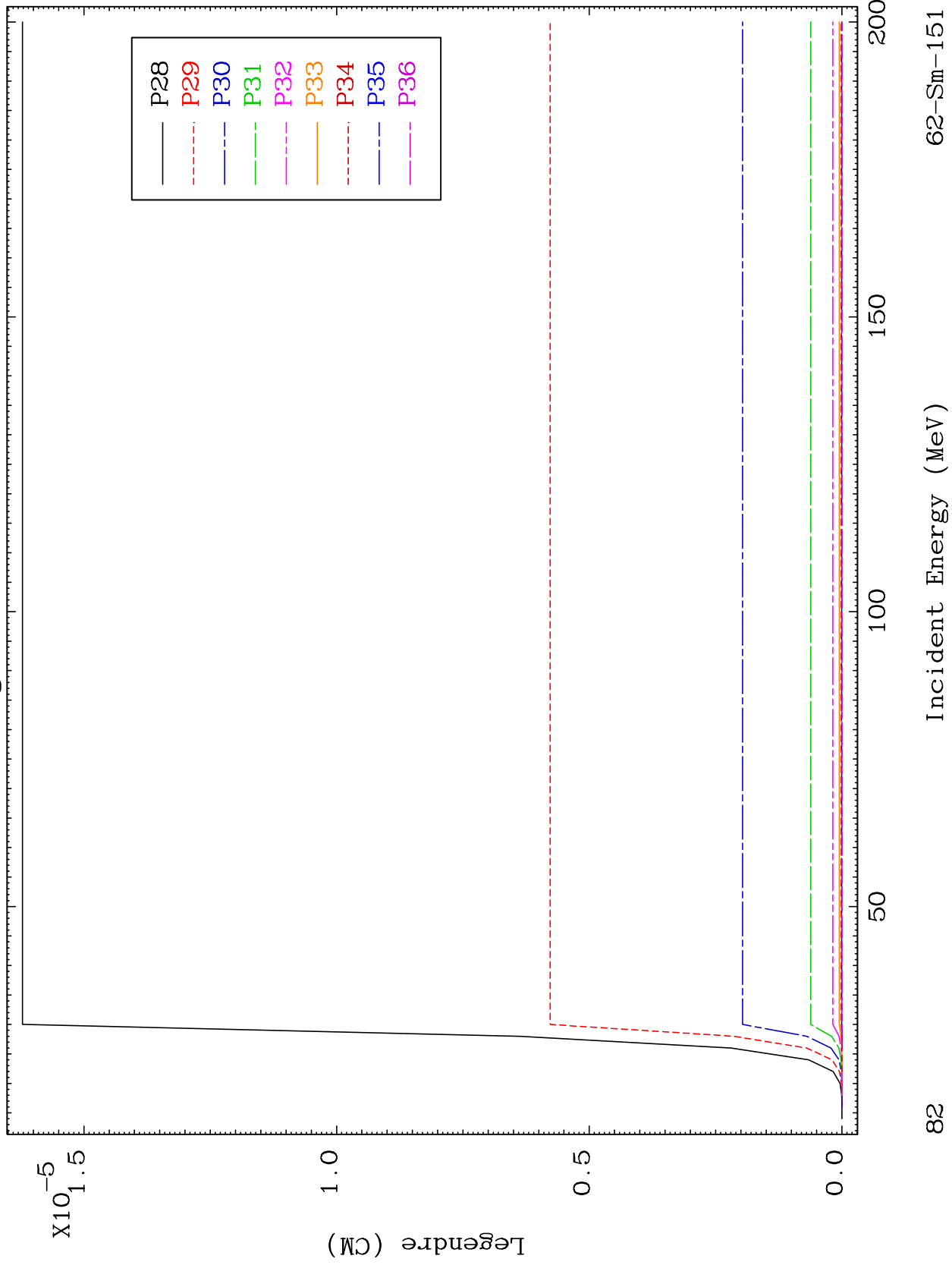


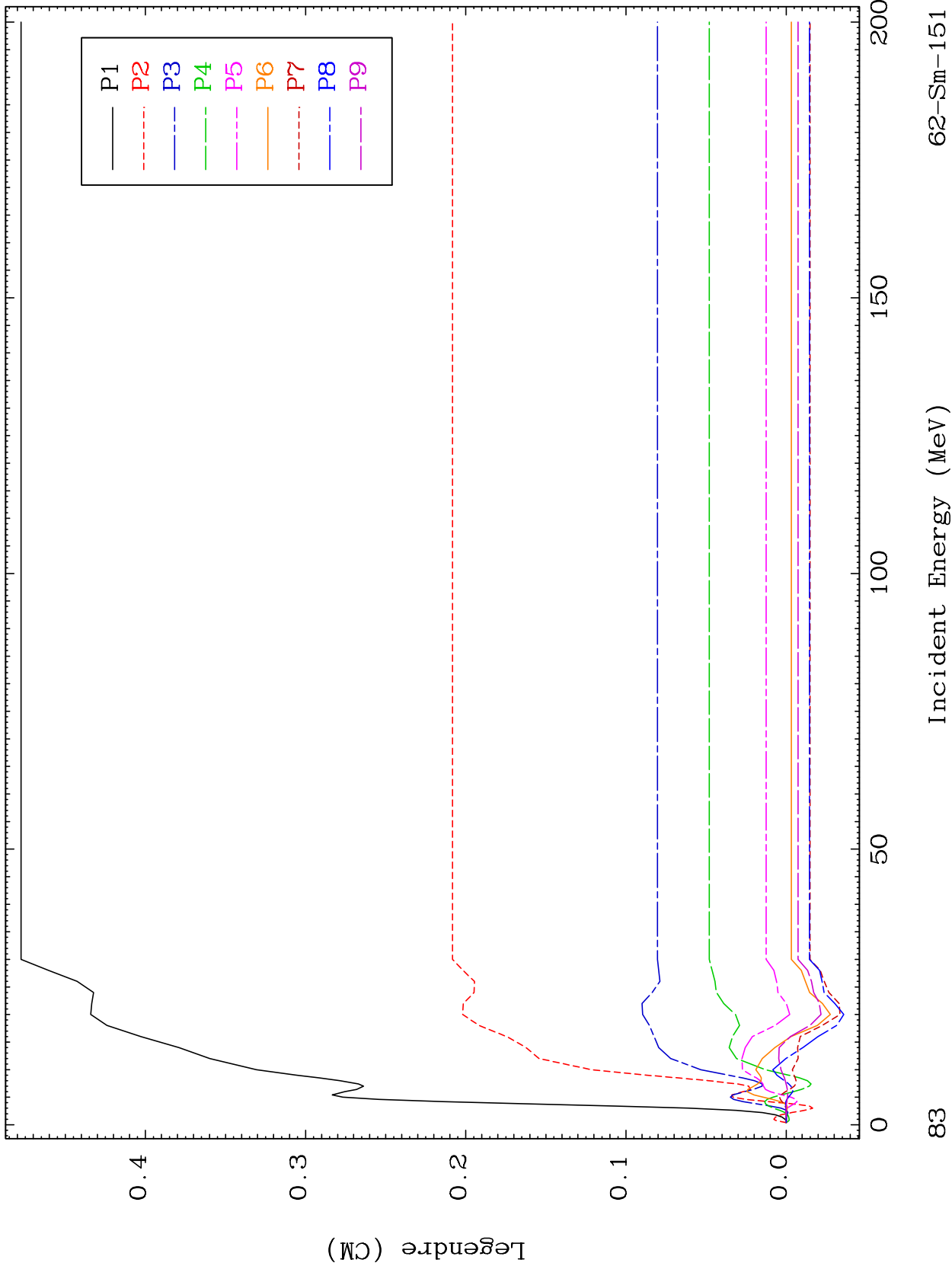


MAT 6246

MT= 66 (n,n') Level  
Legendre Coefficients

62-Sm-151

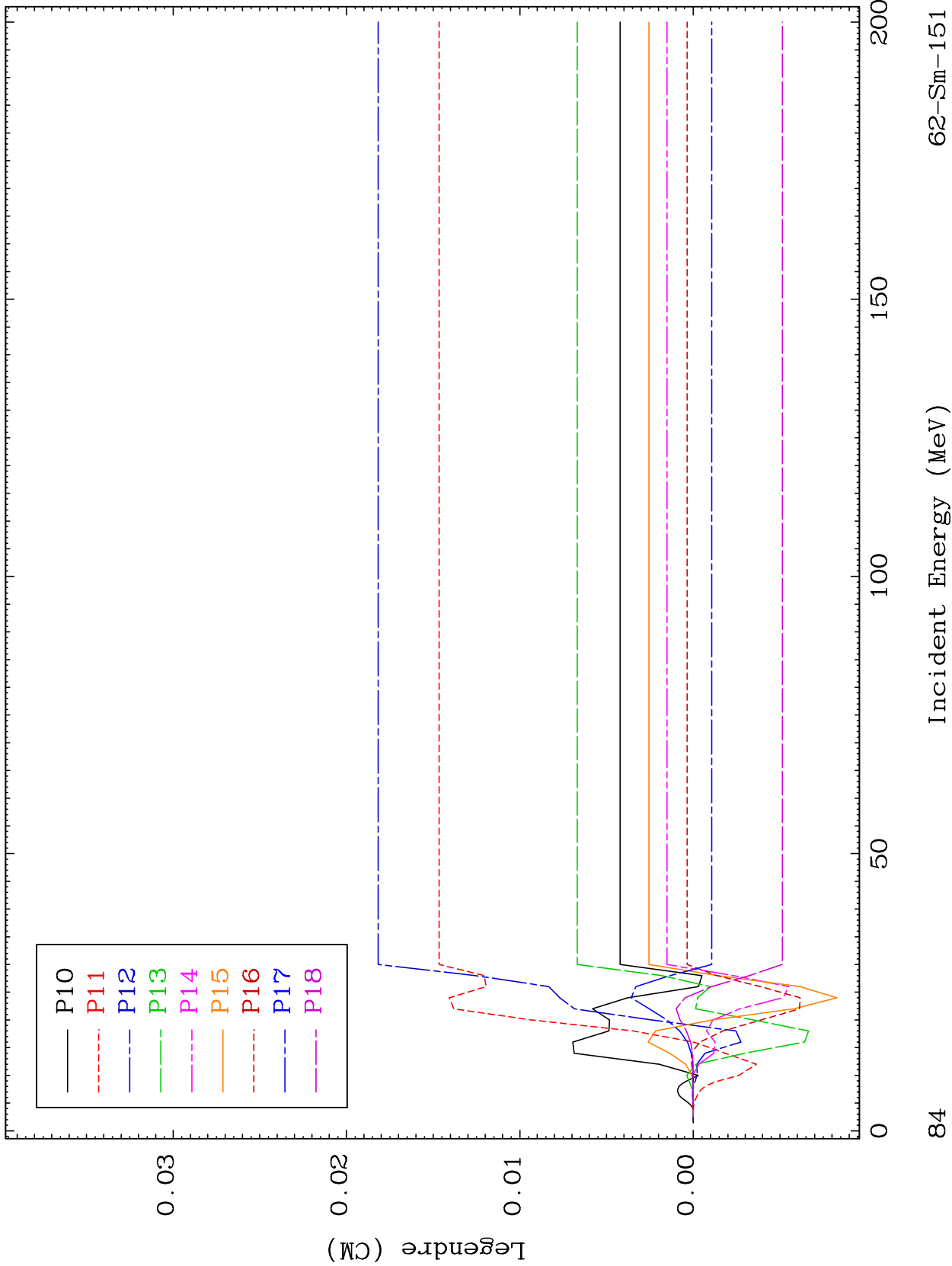




MAT 6246

MT= 67 (n,n') Level  
Legendre Coefficients

62-Sm-151



84

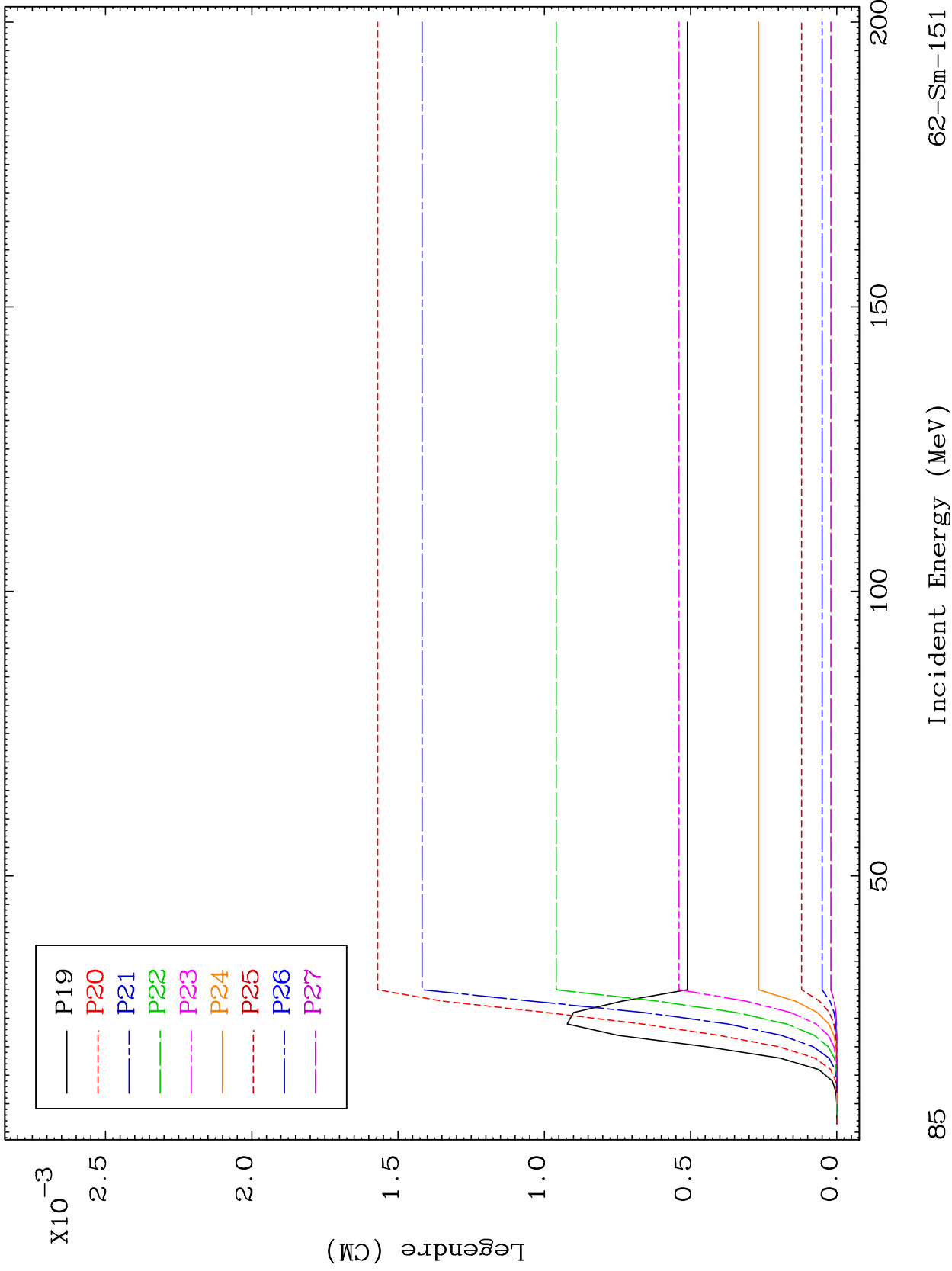
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 67 (n,n') Level  
Legendre Coefficients

62-Sm-151



85

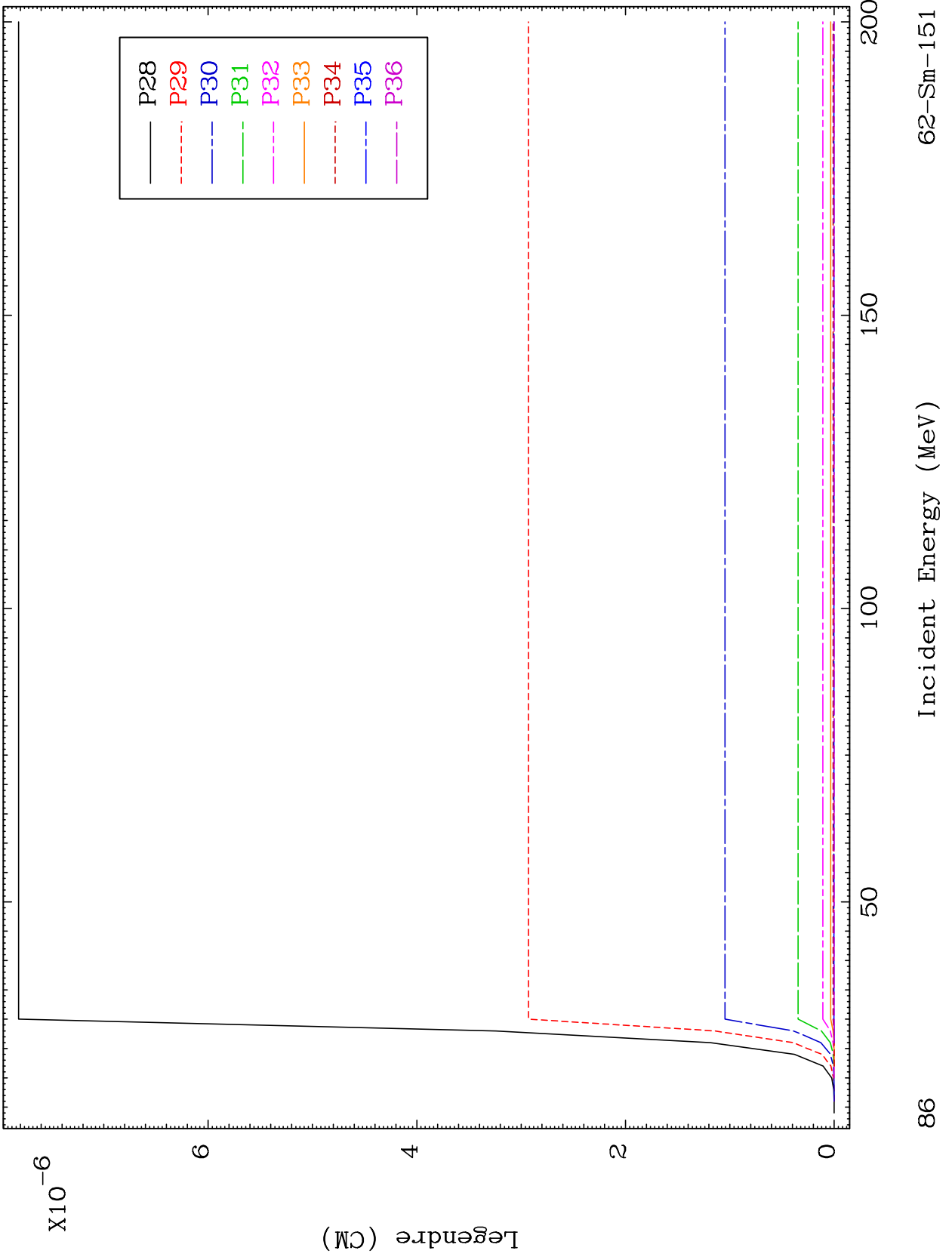
Incident Energy (MeV)

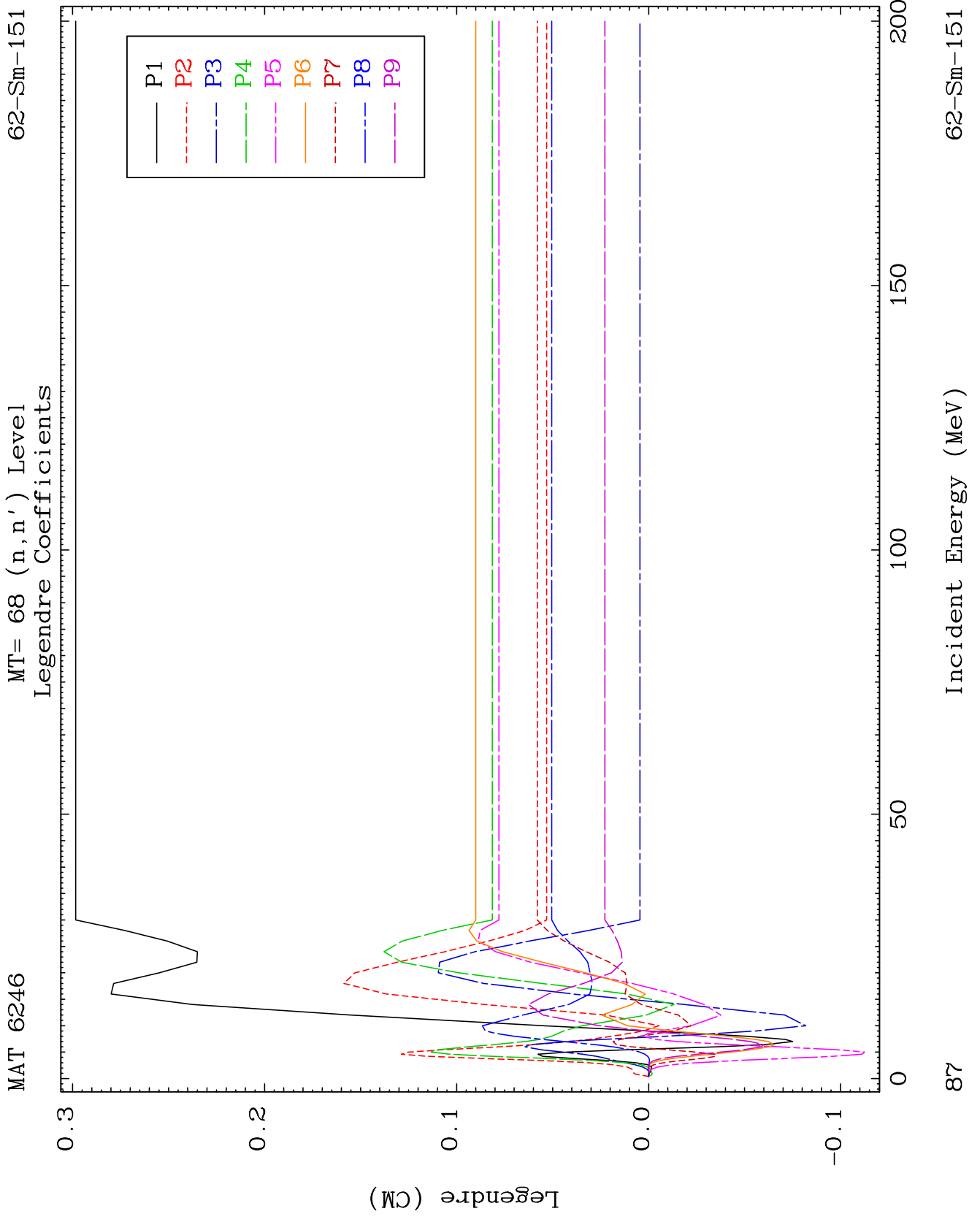
62-Sm-151

MAT 6246

MT= 67 (n,n') Level  
Legendre Coefficients

62-Sm-151



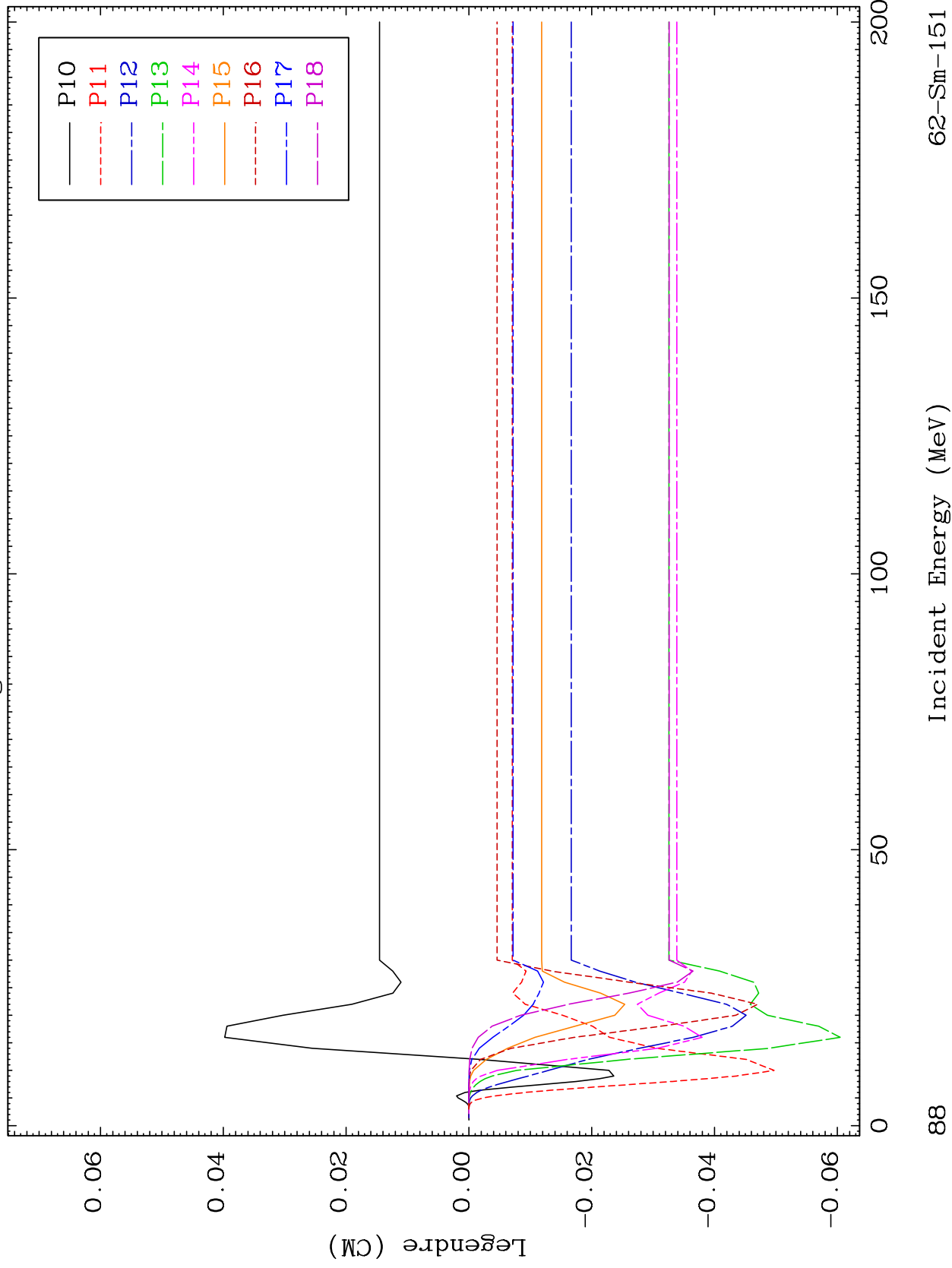




MAT 6246

MT= 68 (n,n') Level  
Legendre Coefficients

62-Sm-151



88

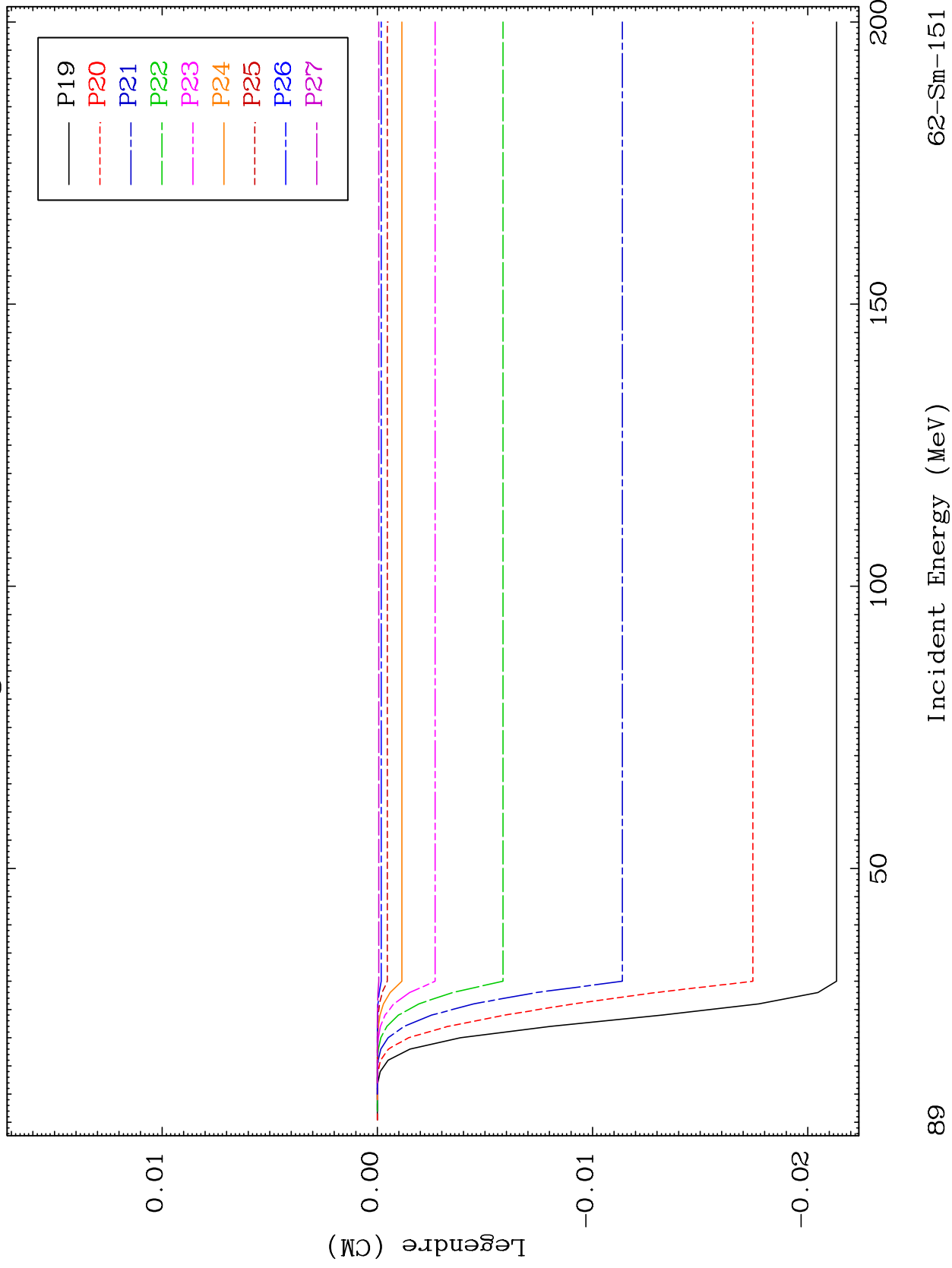
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 68 (n,n') Level  
Legendre Coefficients

62-Sm-151

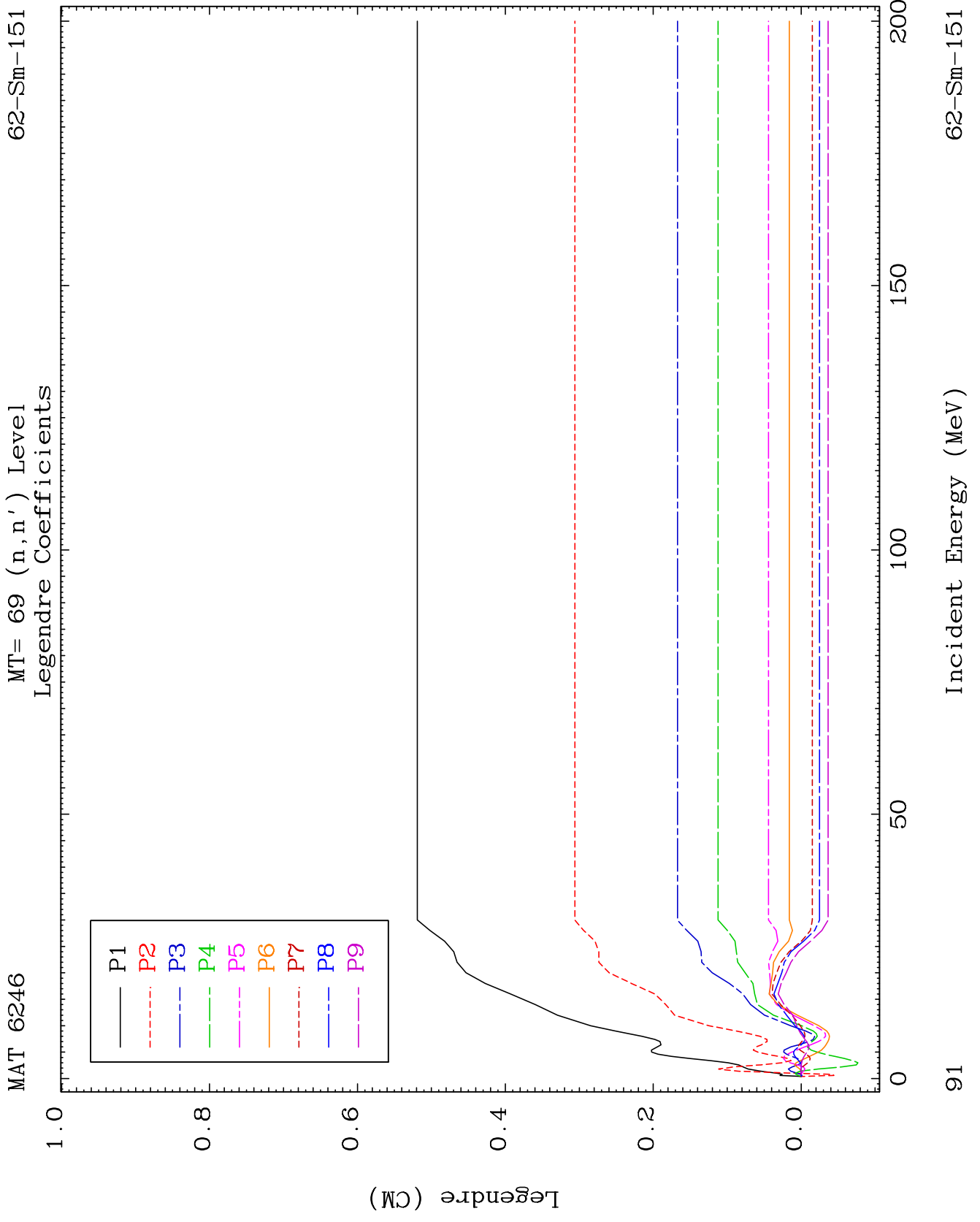


89

Incident Energy (MeV)

62-Sm-151

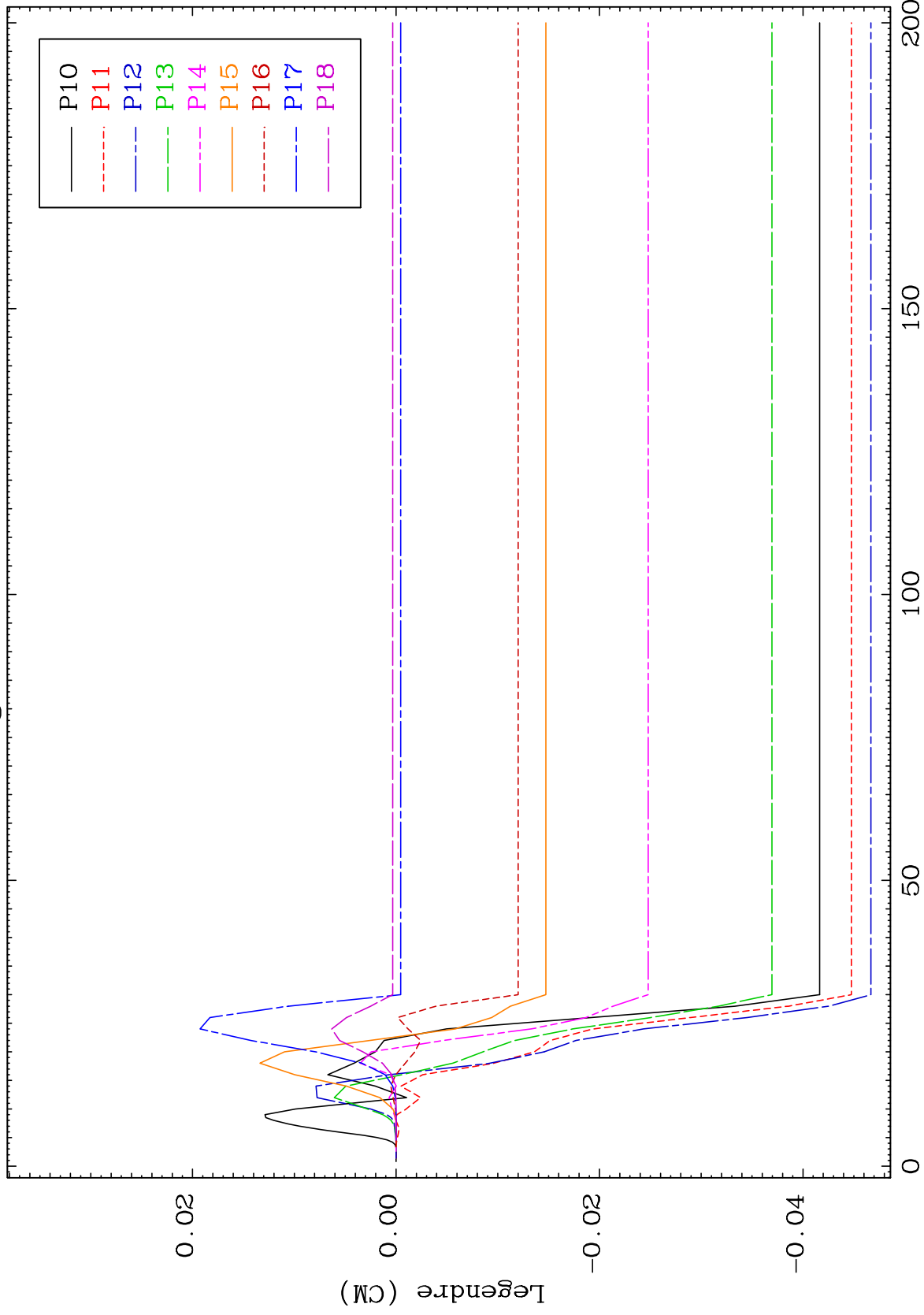




MAT 6246

MT= 69 (n,n') Level  
Legendre Coefficients

62-Sm-151



92

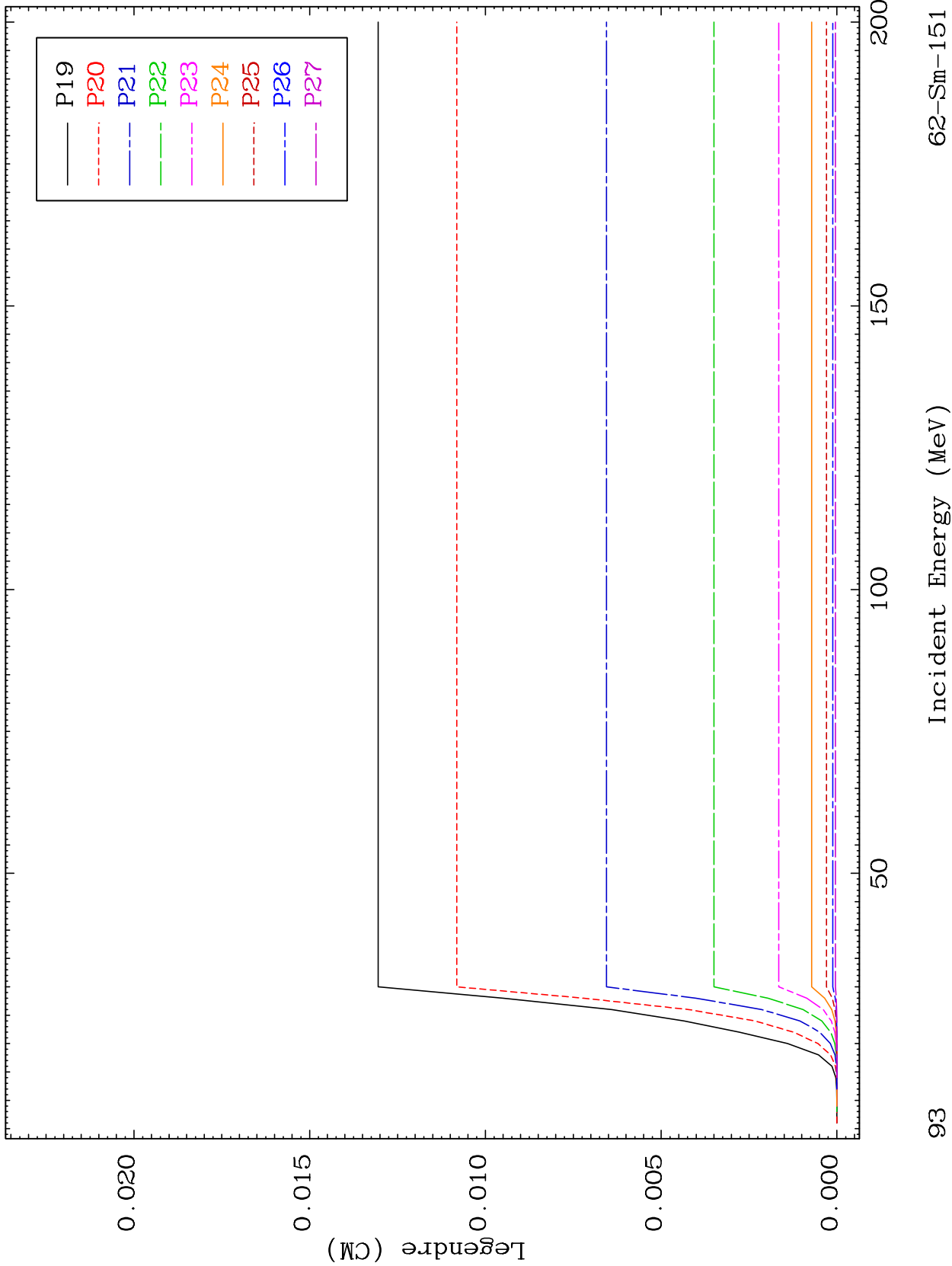
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 69 (n,n') Level  
Legendre Coefficients

62-Sm-151



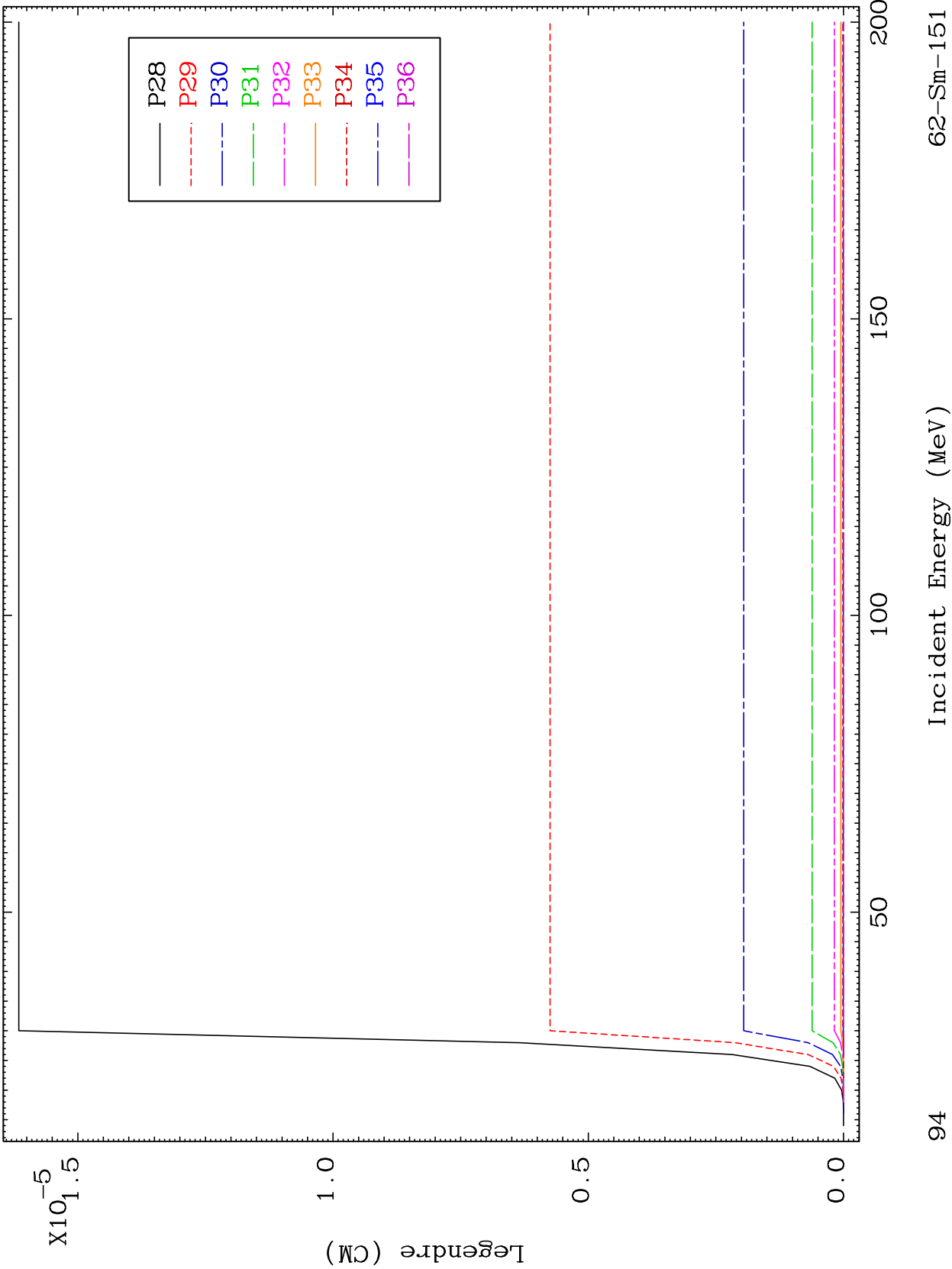
93

62-Sm-151

MAT 6246

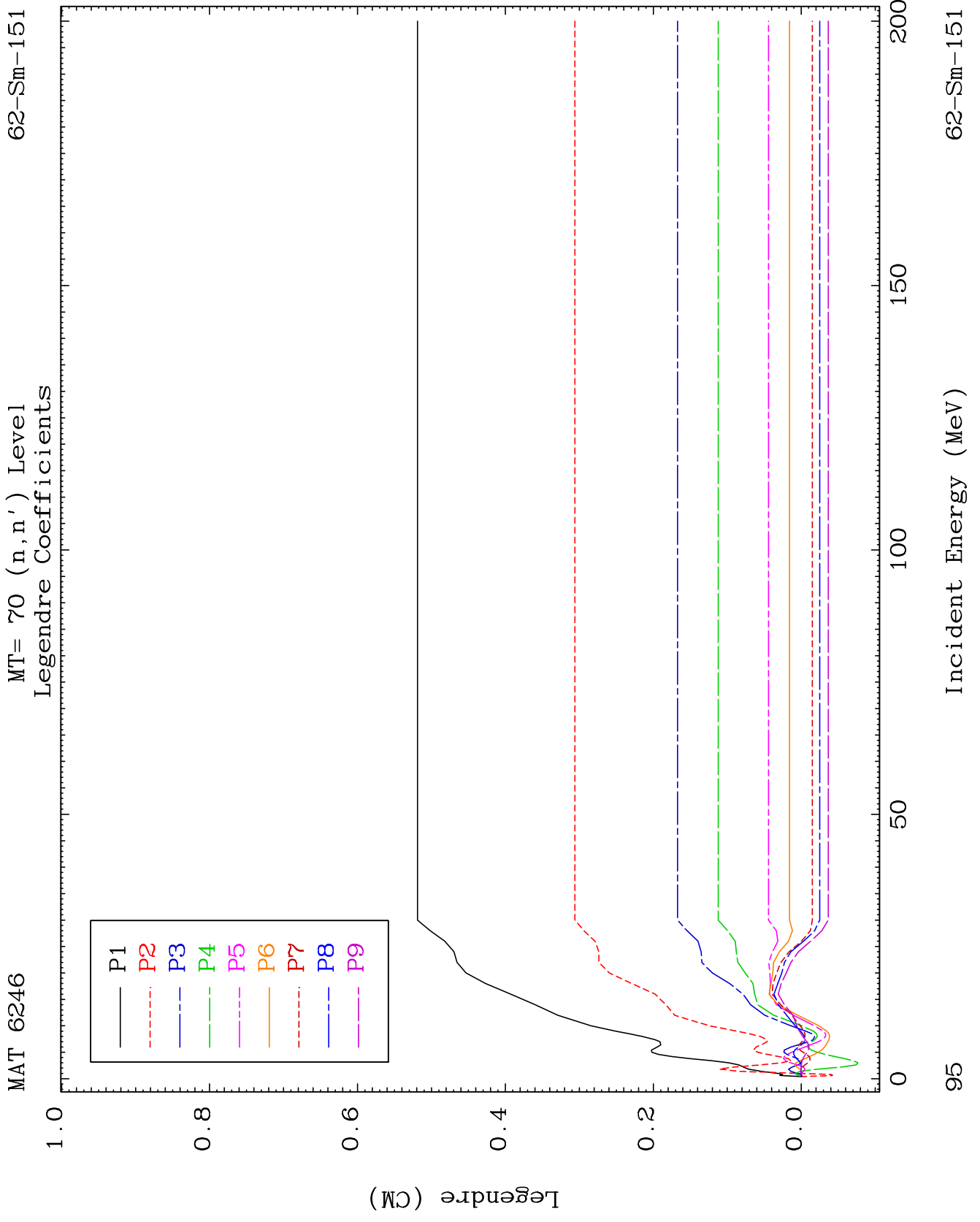
MT= 69 (n,n') Level  
Legendre Coefficients

62-Sm-151



94

62-Sm-151

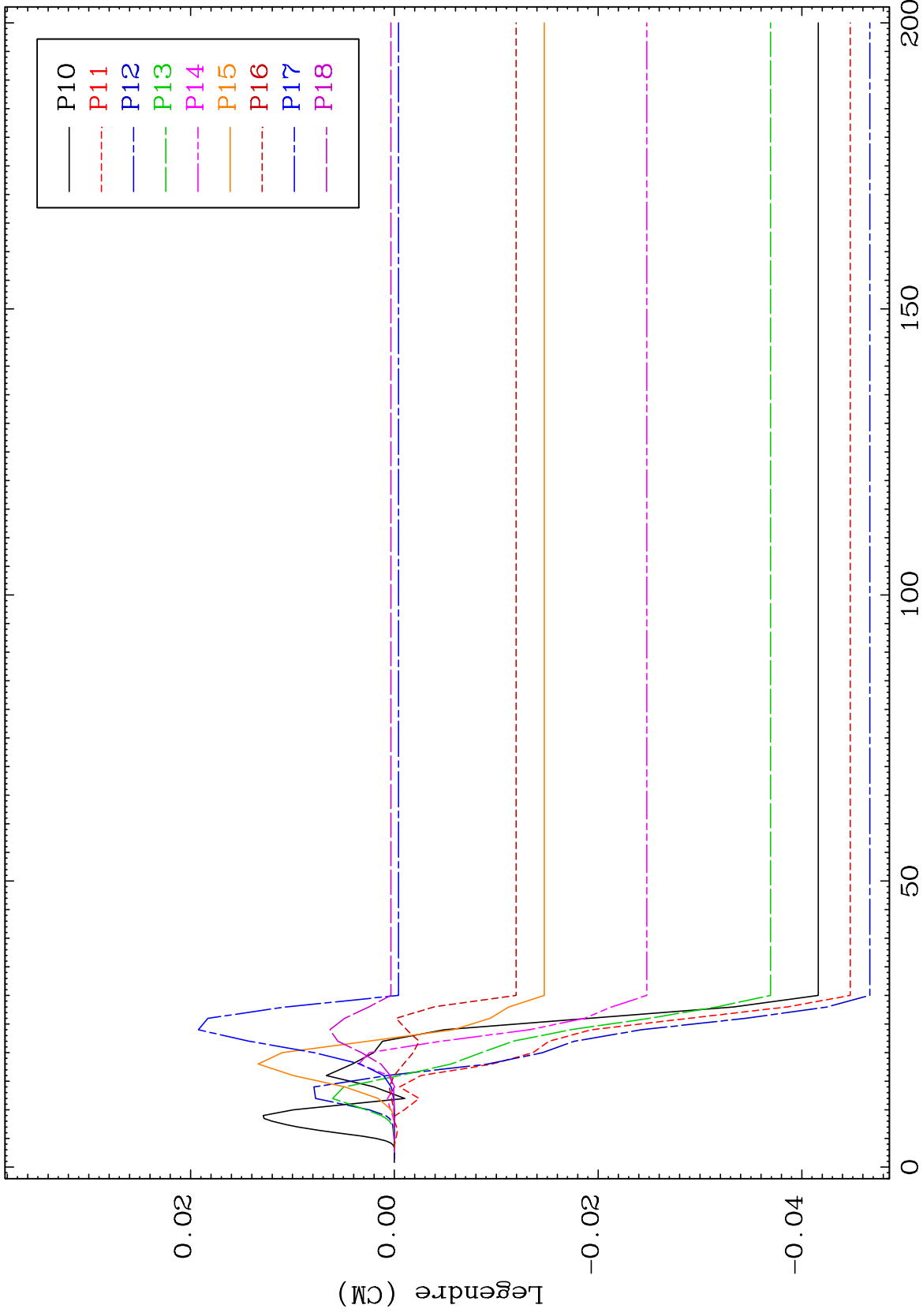




MAT 6246

MT= 70 (n,n') Level  
Legendre Coefficients

62-Sm-151



96

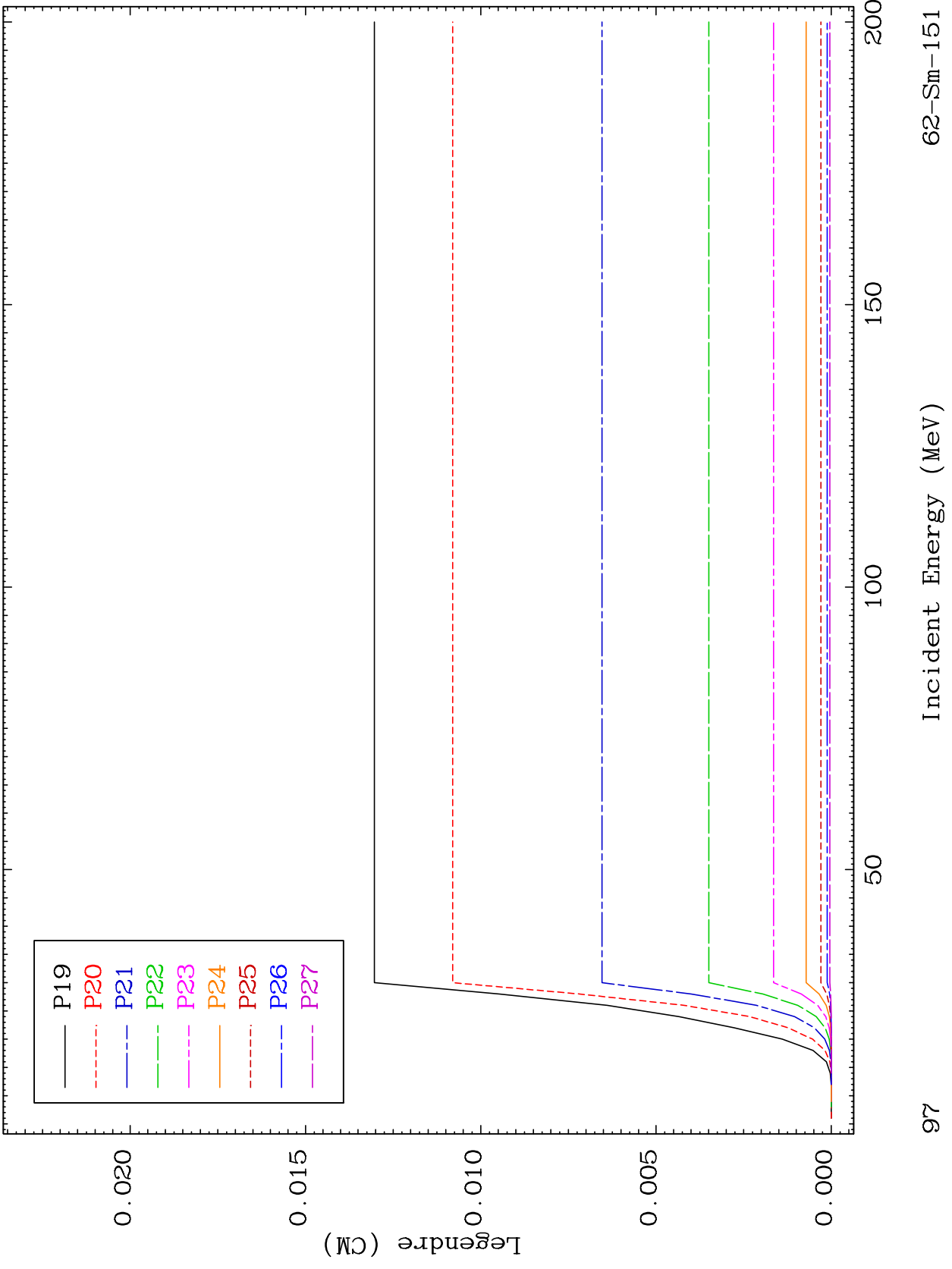
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 70 (n,n') Level  
Legendre Coefficients

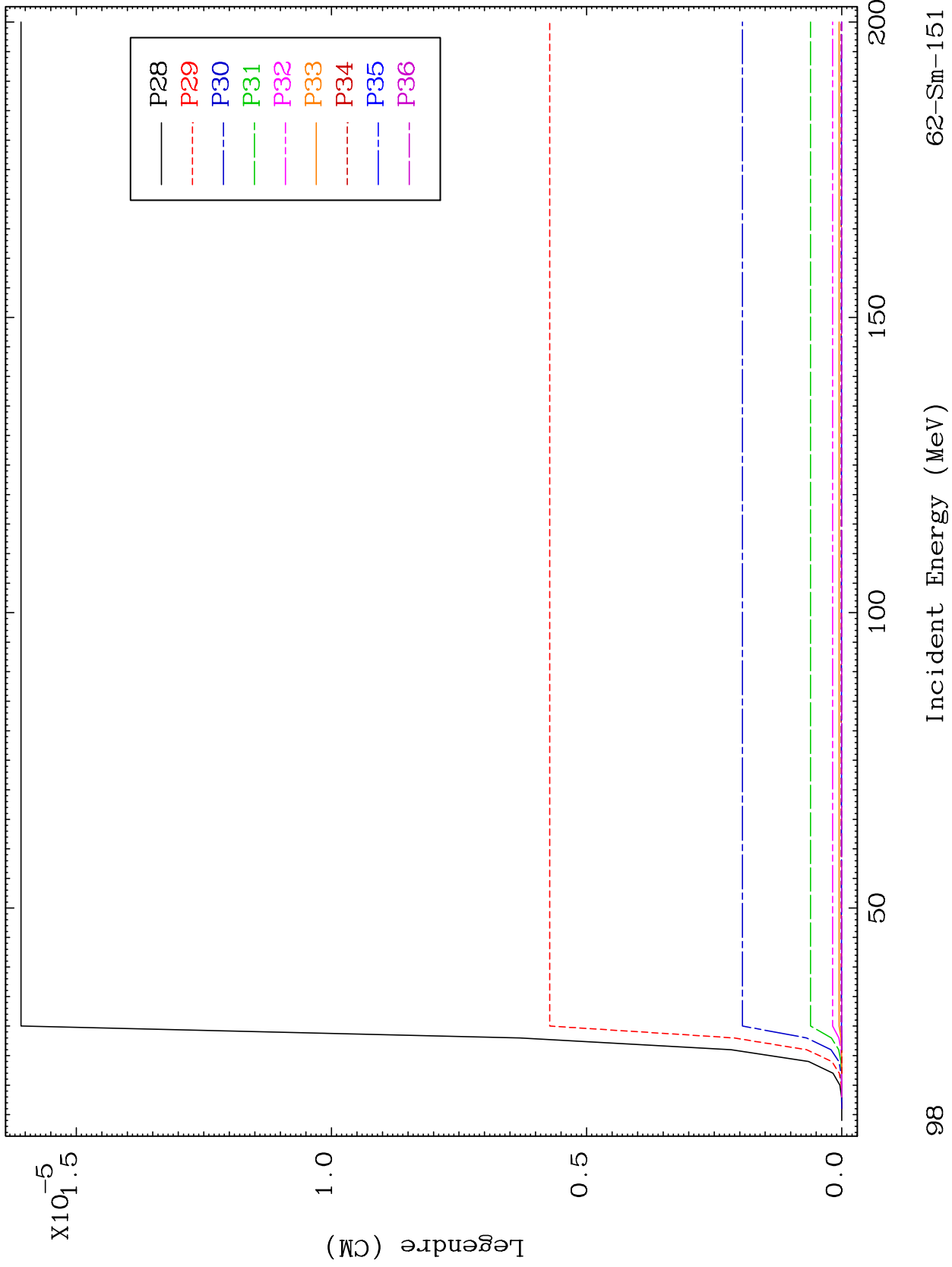
62-Sm-151



MAT 6246

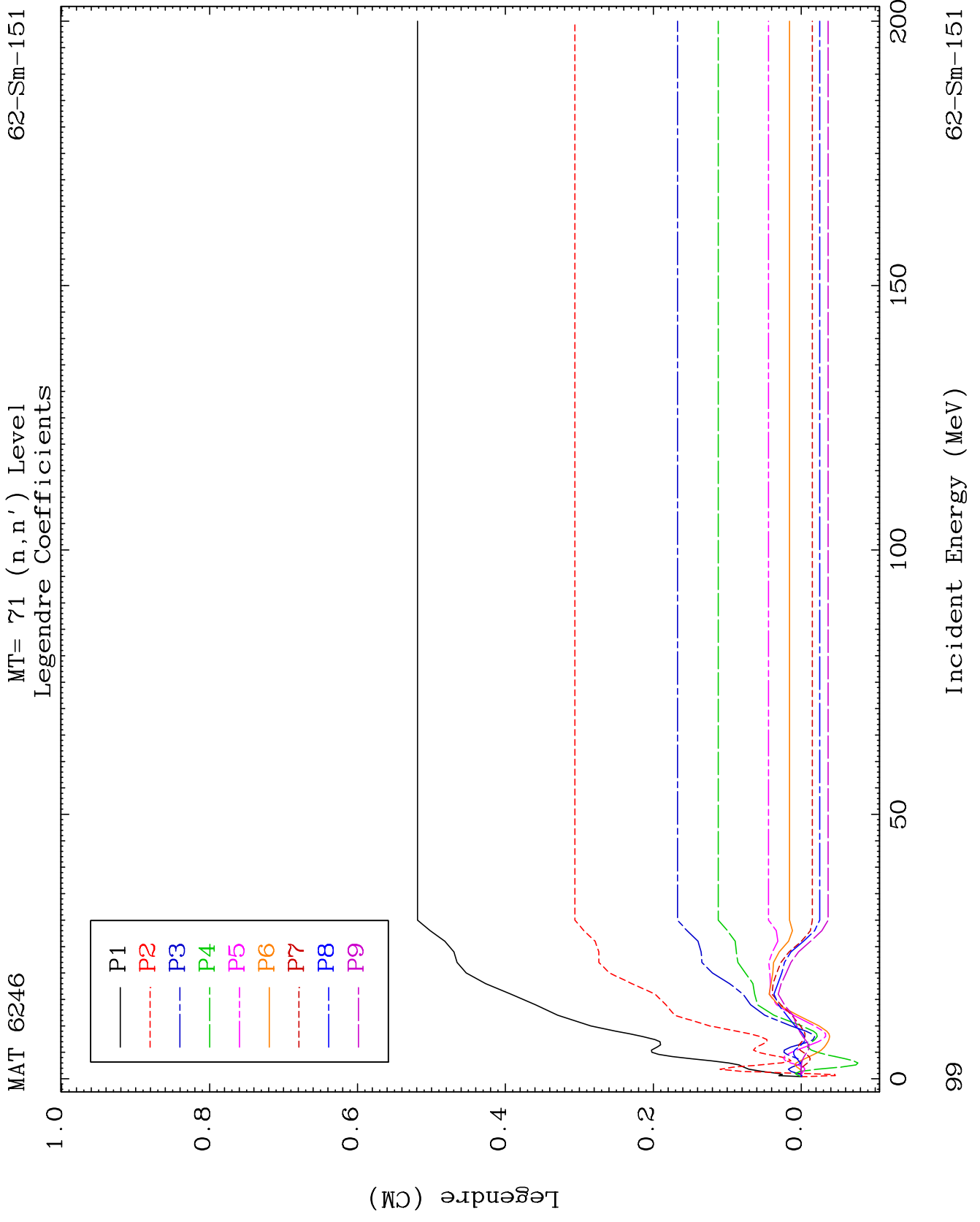
MT= 70 (n,n') Level  
Legendre Coefficients

62-Sm-151



98

62-Sm-151

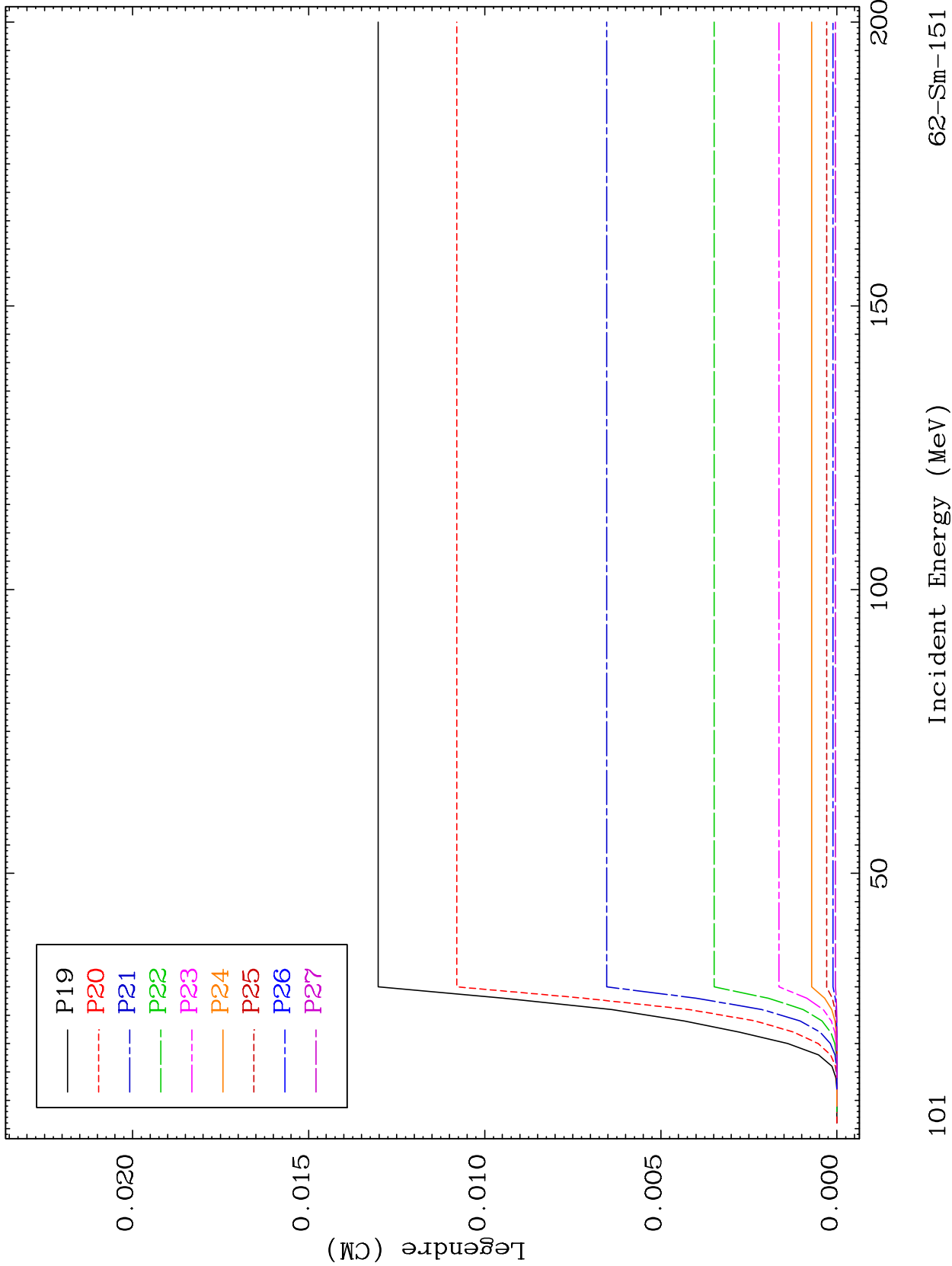




MAT 6246

MT= 71 (n,n') Level  
Legendre Coefficients

62-Sm-151



101

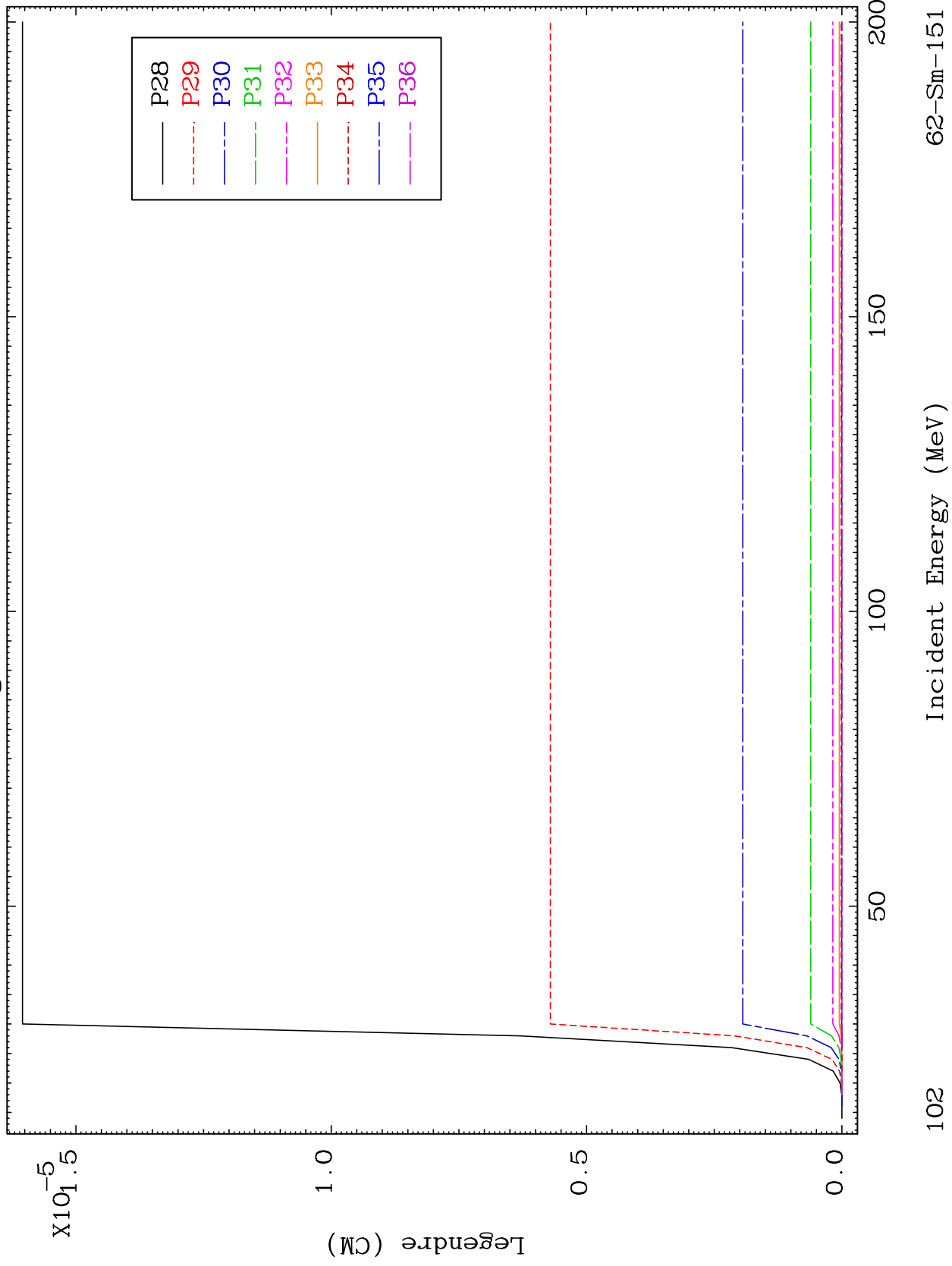
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 71 (n,n') Level  
Legendre Coefficients

62-Sm-151



102

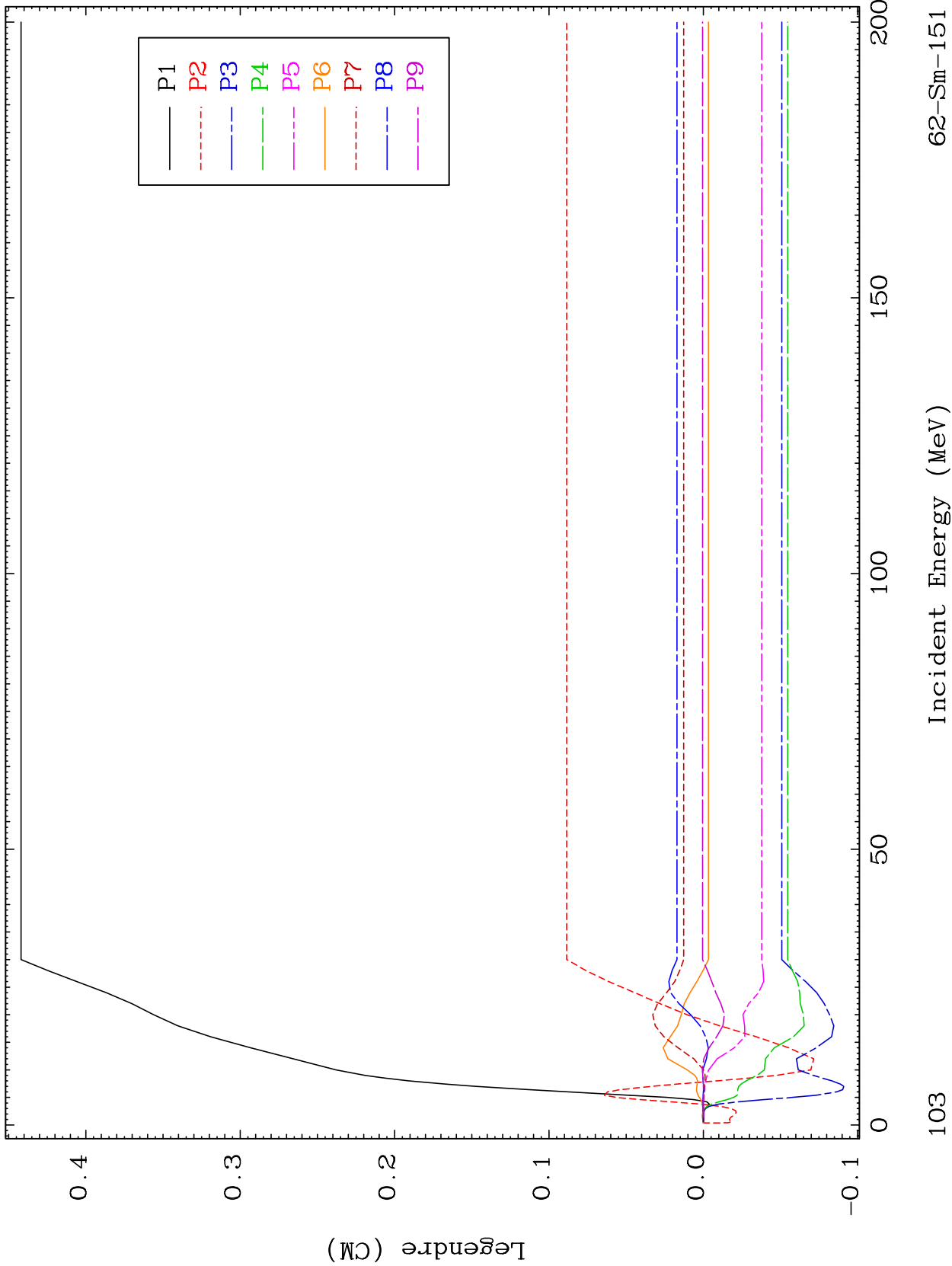
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 72 (n,n') Level  
Legendre Coefficients

62-Sm-151

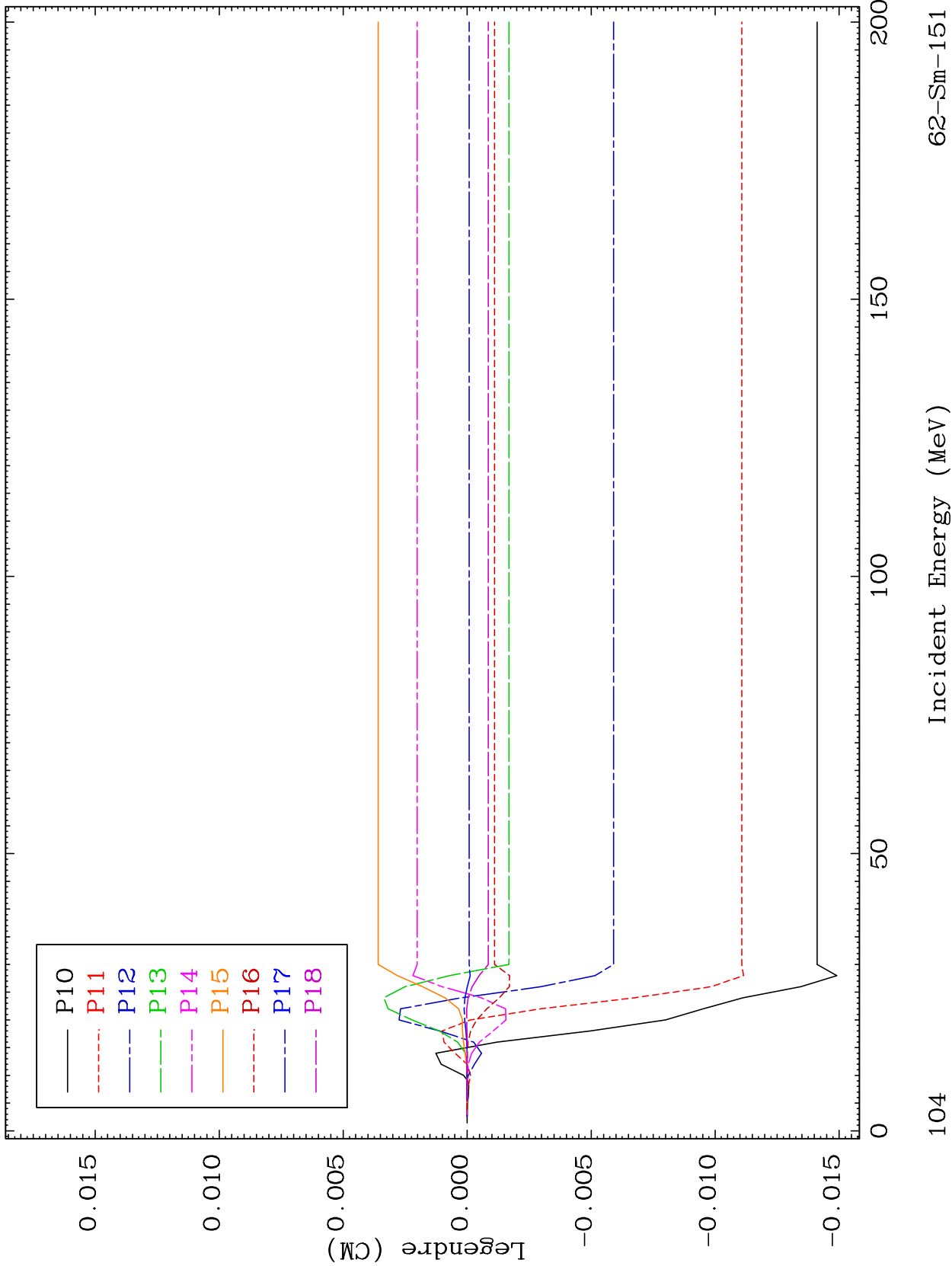




MAT 6246

MT= 72 (n,n') Level  
Legendre Coefficients

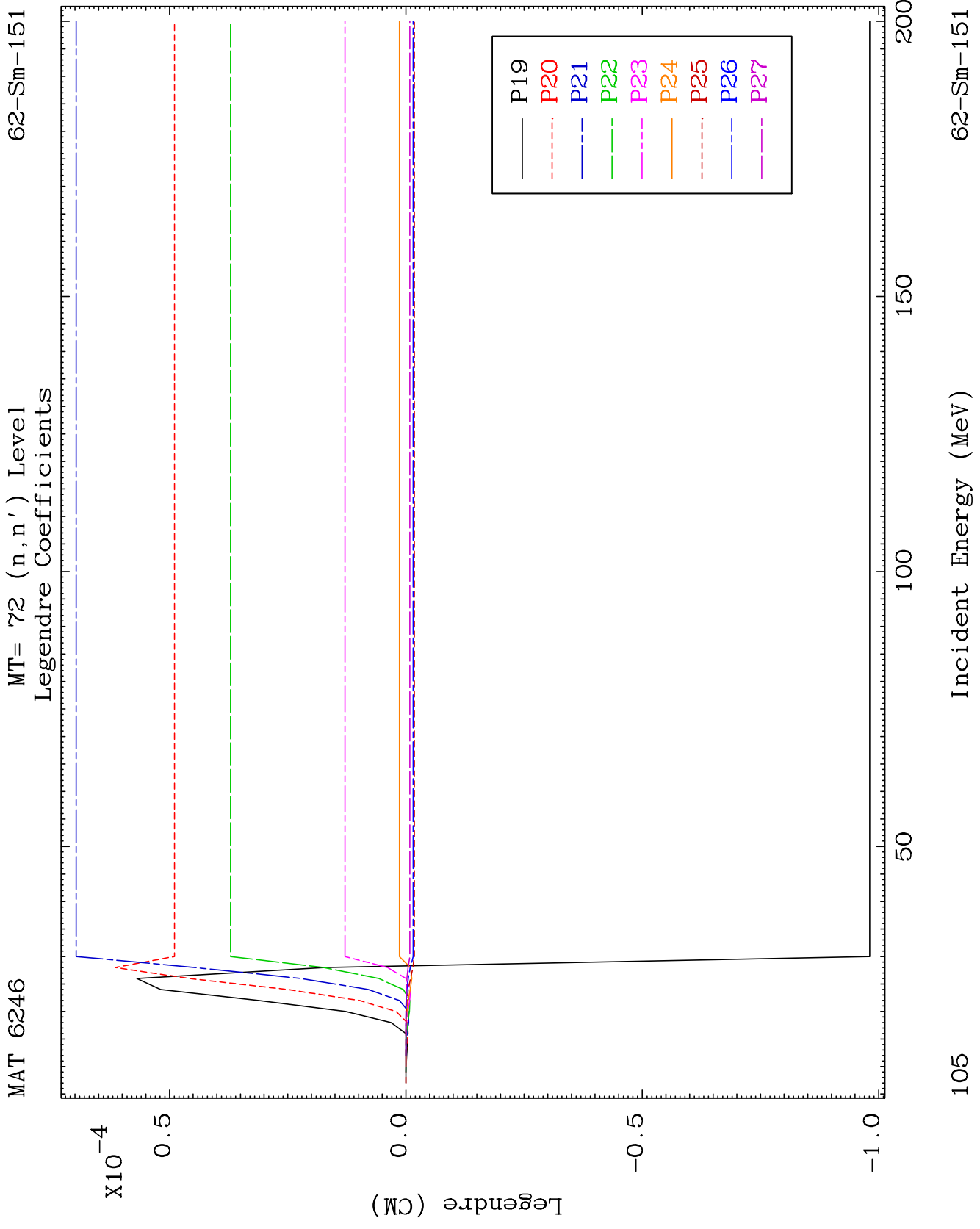
62-Sm-151

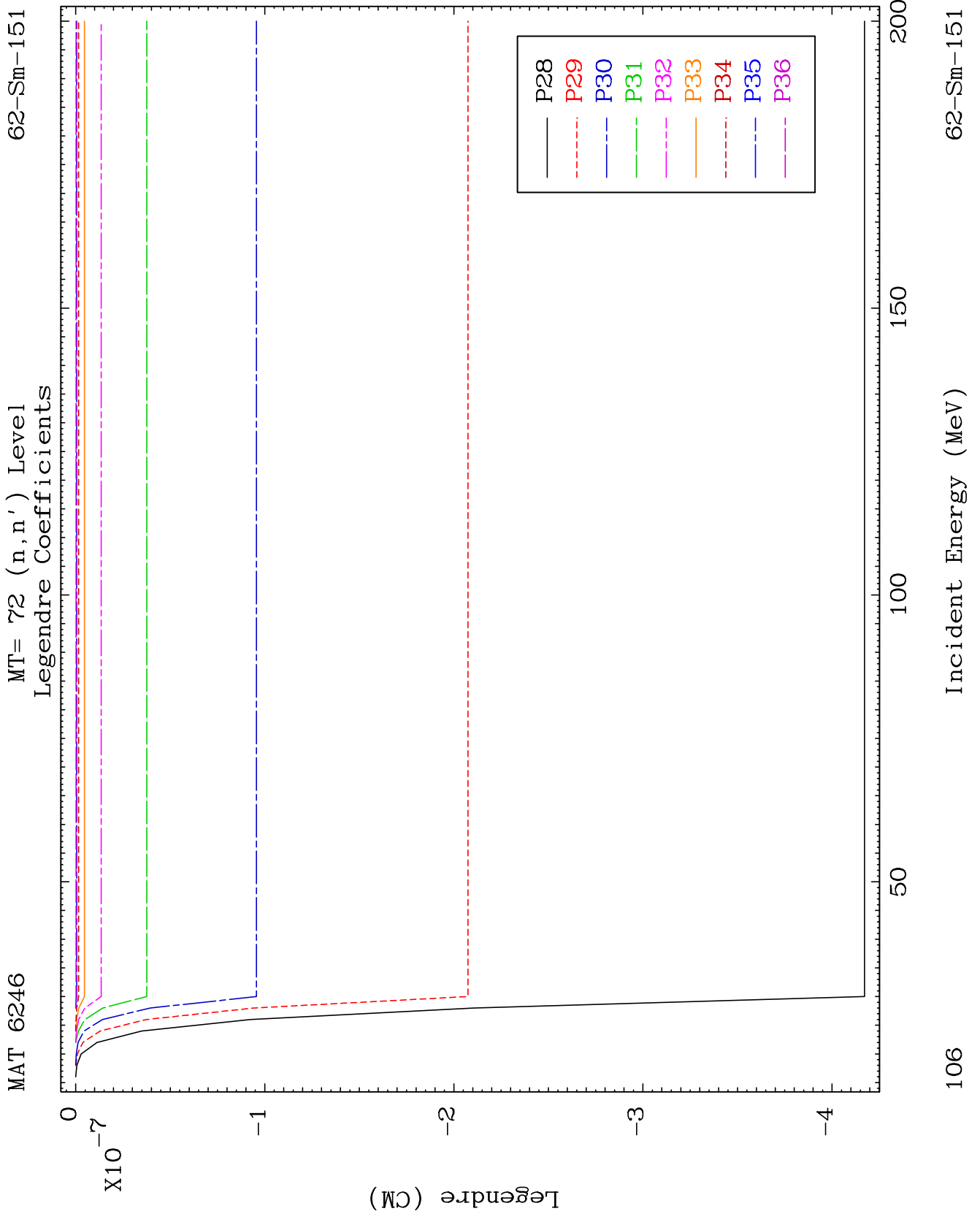


104

Incident Energy (MeV)

62-Sm-151

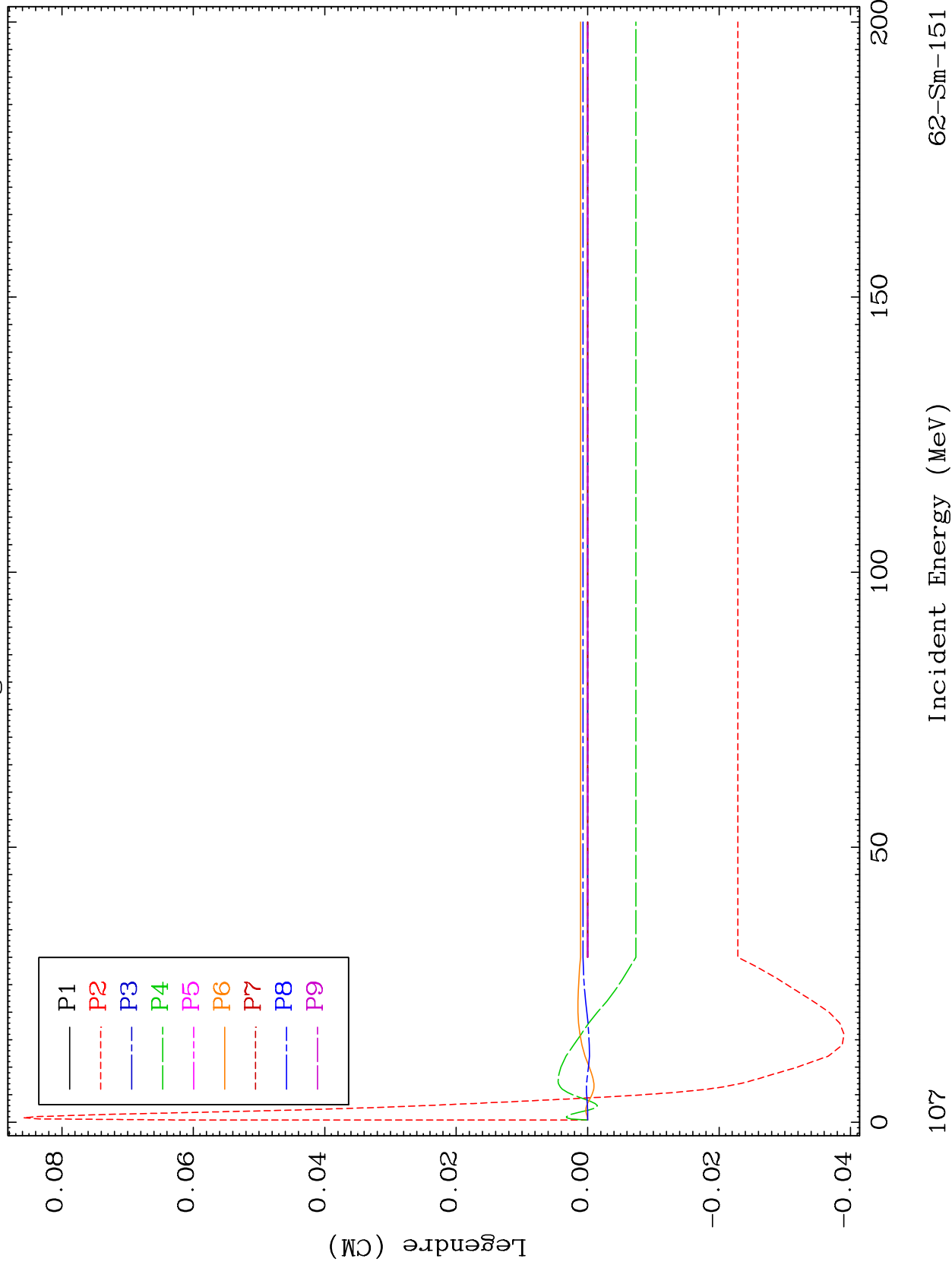




MAT 6246

MT= 73 (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

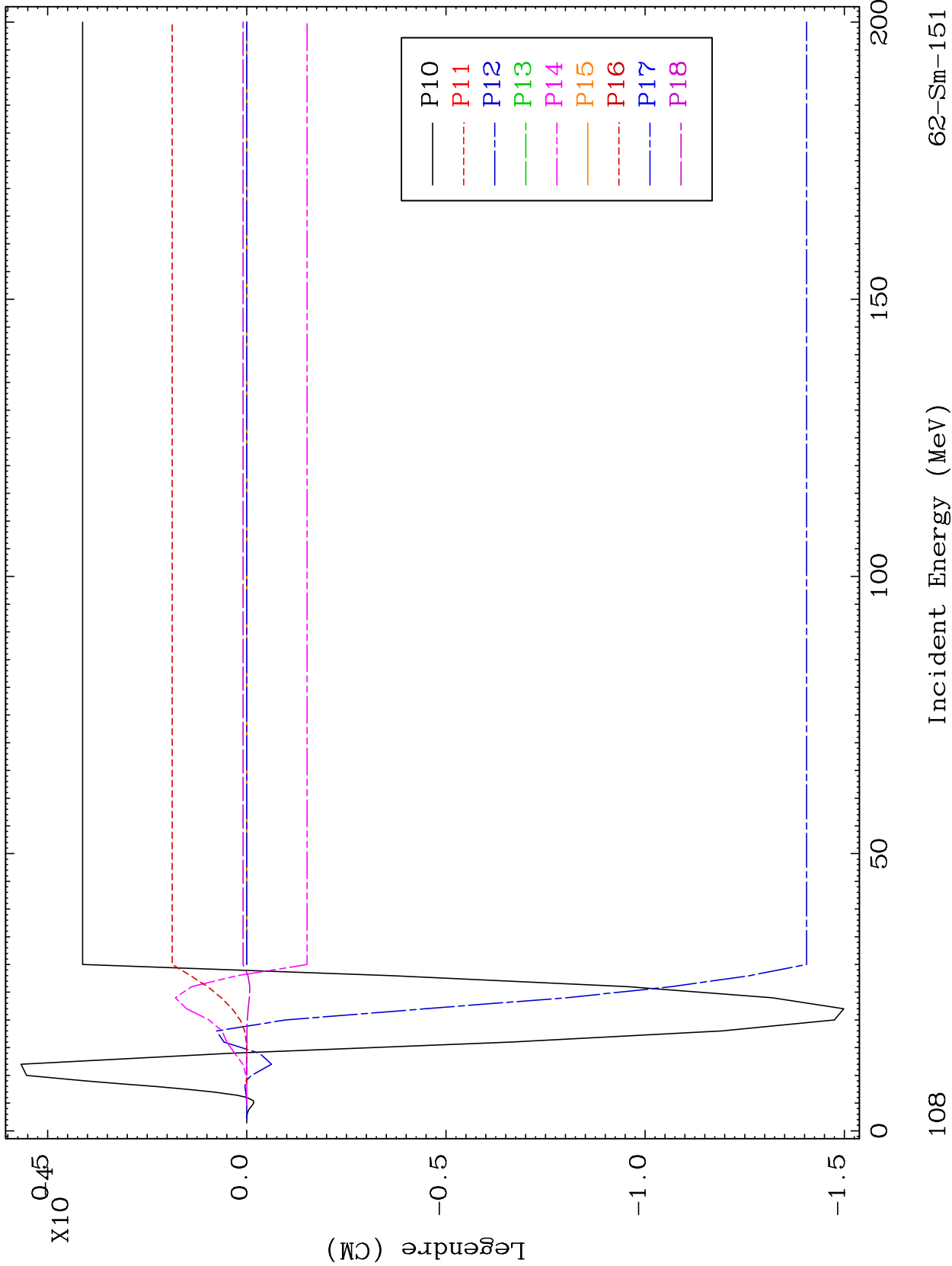
Incident Energy (MeV)

107

MAT 6246

MT= 73 (n,n') Level  
Legendre Coefficients

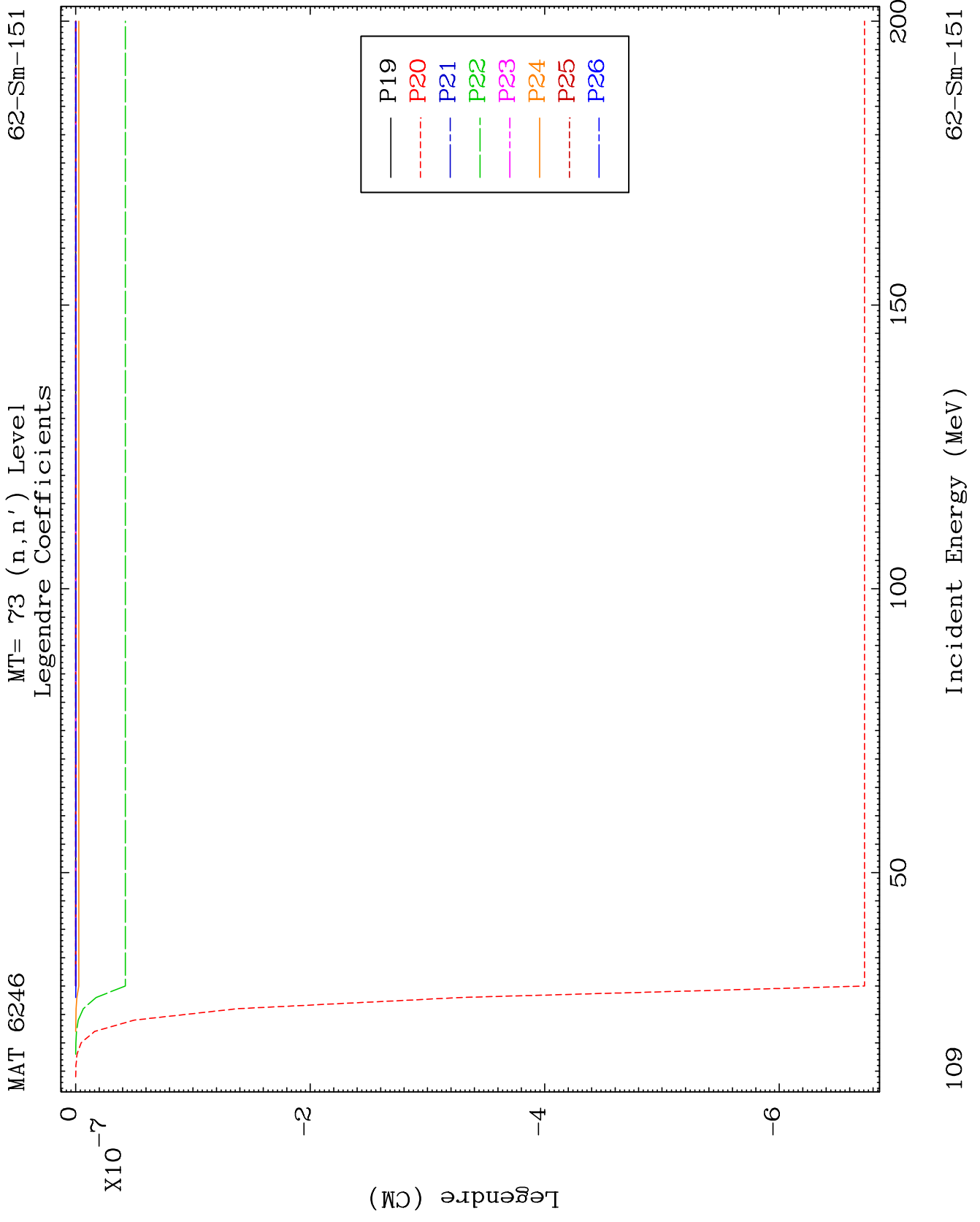
62-Sm-151

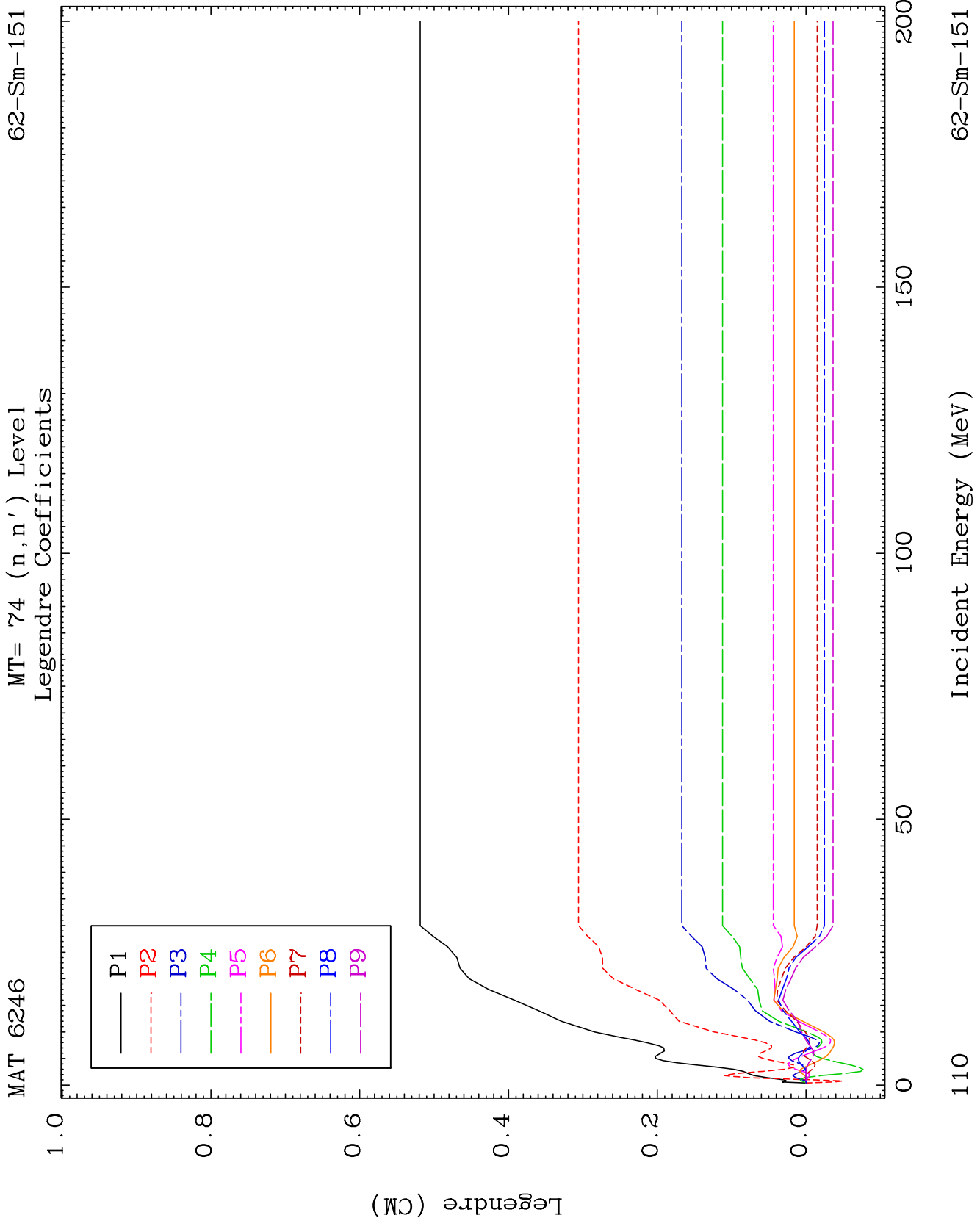


108

Incident Energy (MeV)

62-Sm-151

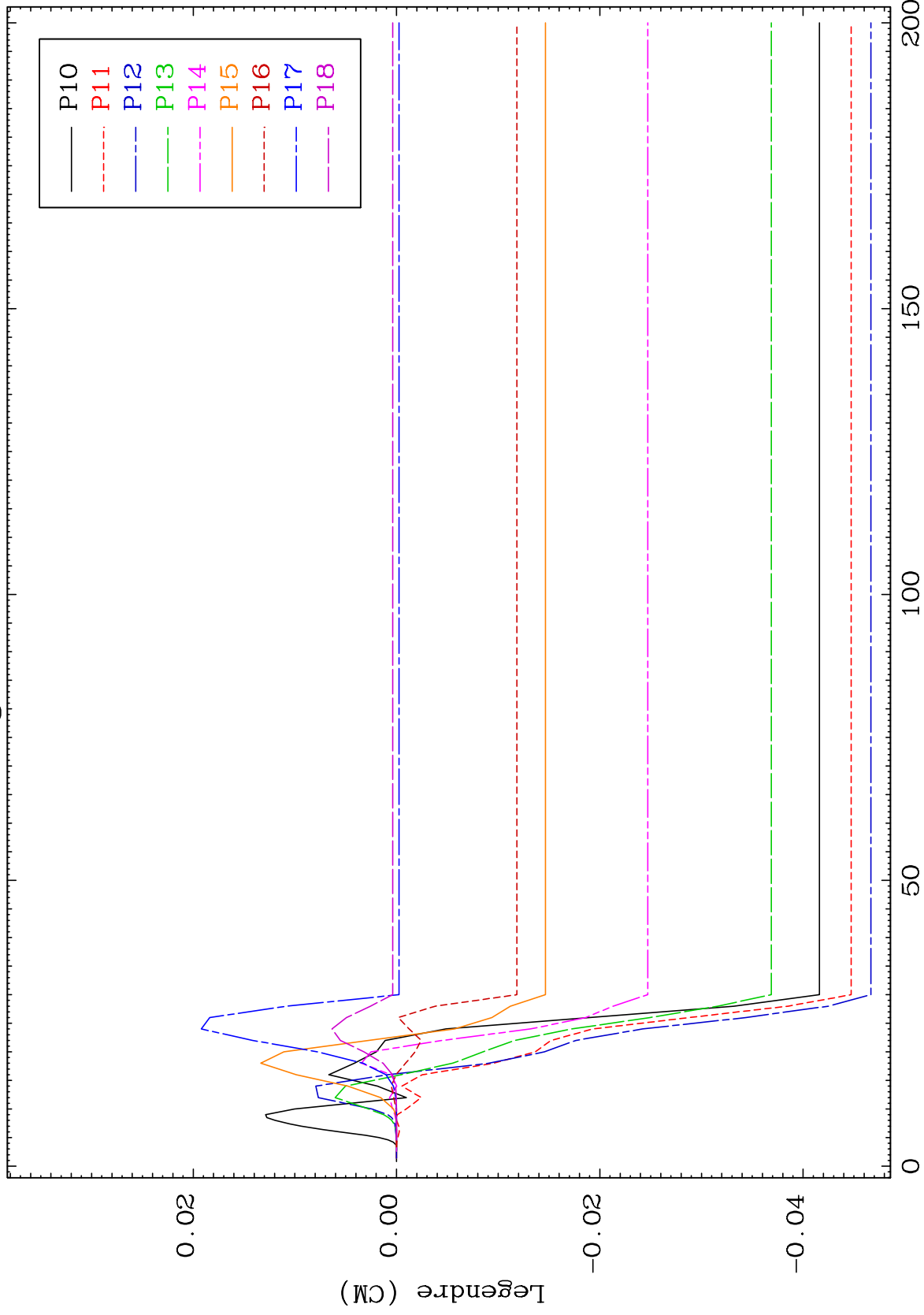




MAT 6246

MT= 74 (n,n') Level  
Legendre Coefficients

62-Sm-151

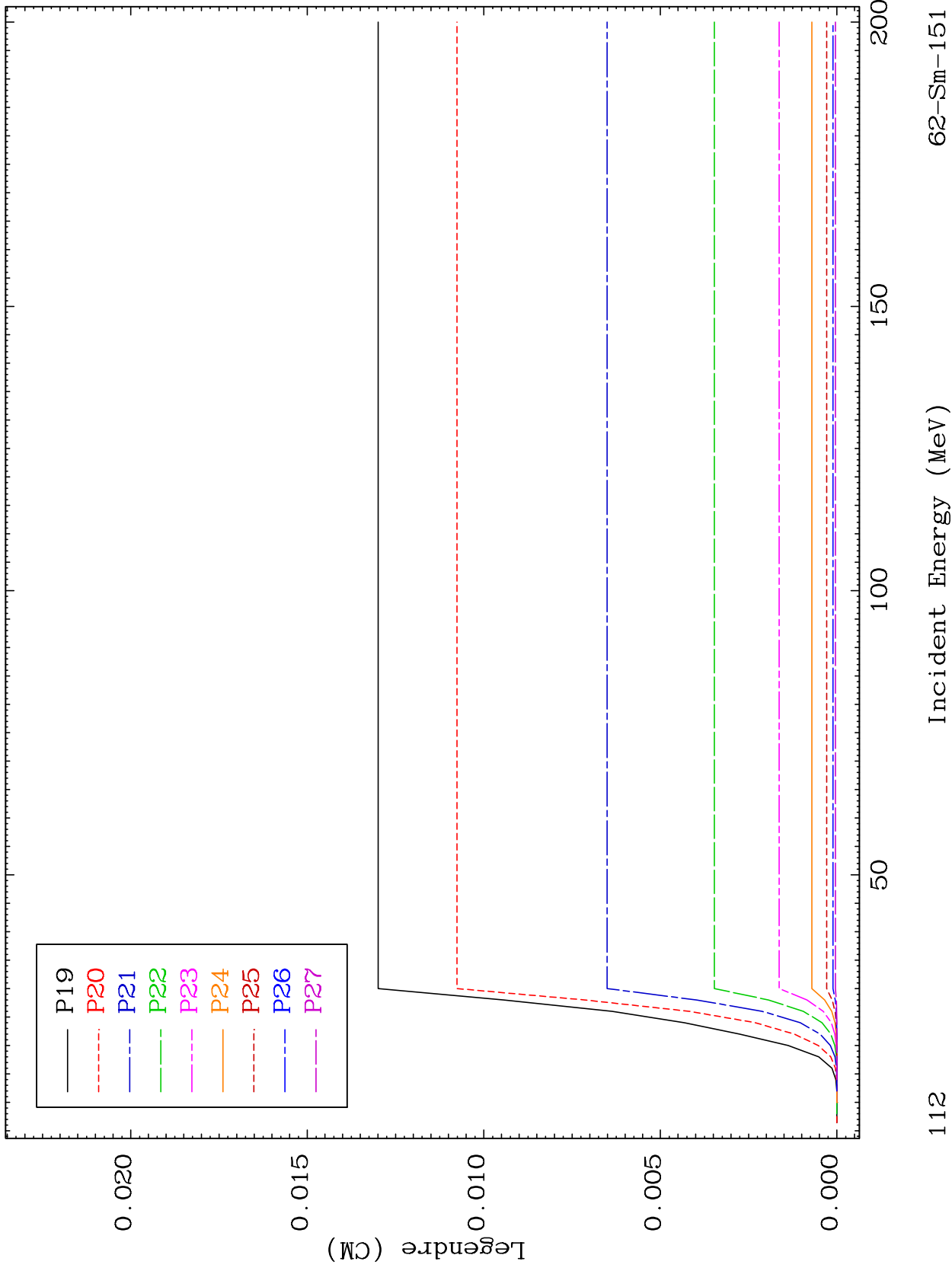


111

Incident Energy (MeV)

62-Sm-151

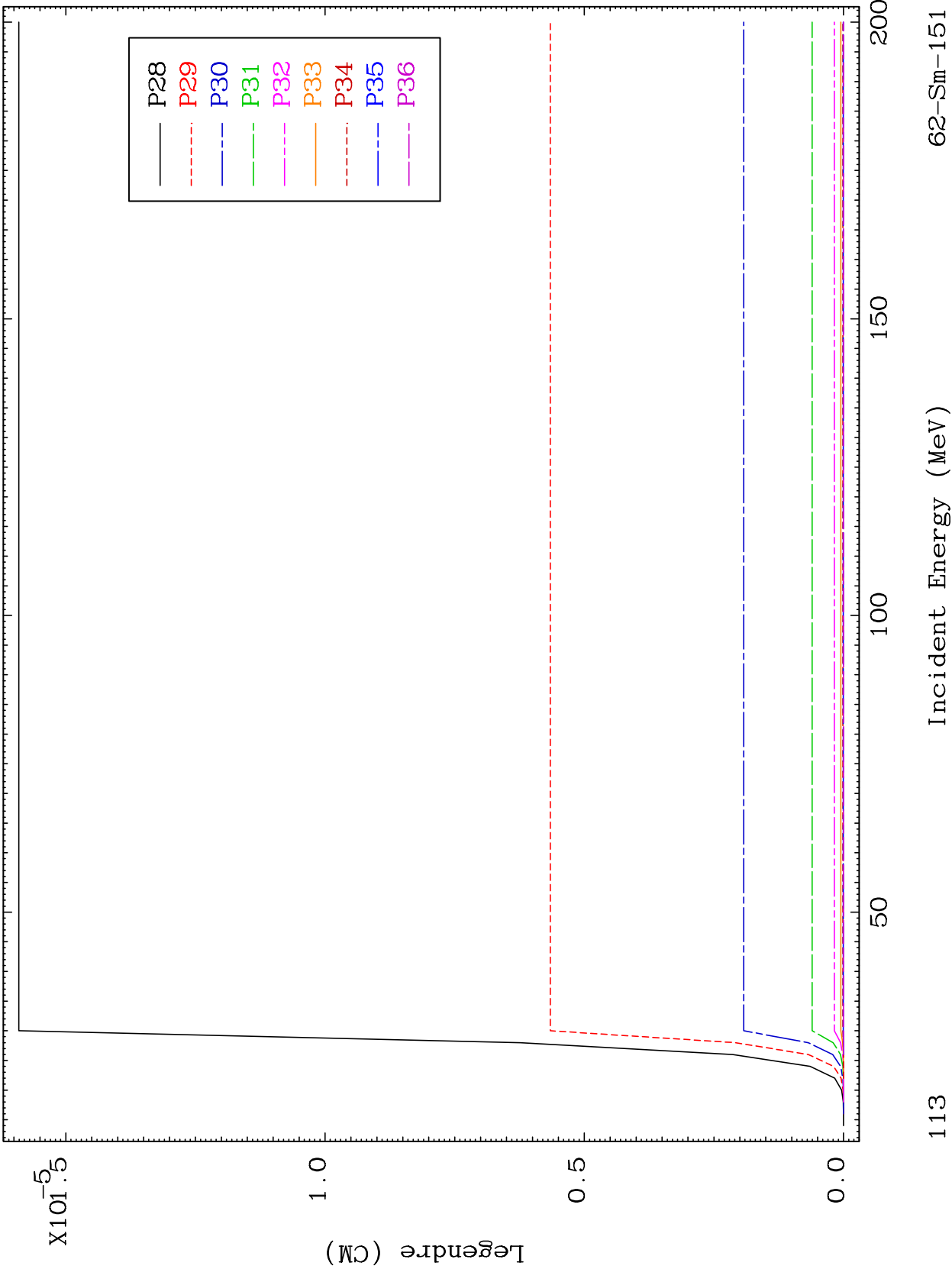




MAT 6246

MT= 74 (n,n') Level  
Legendre Coefficients

62-Sm-151



113

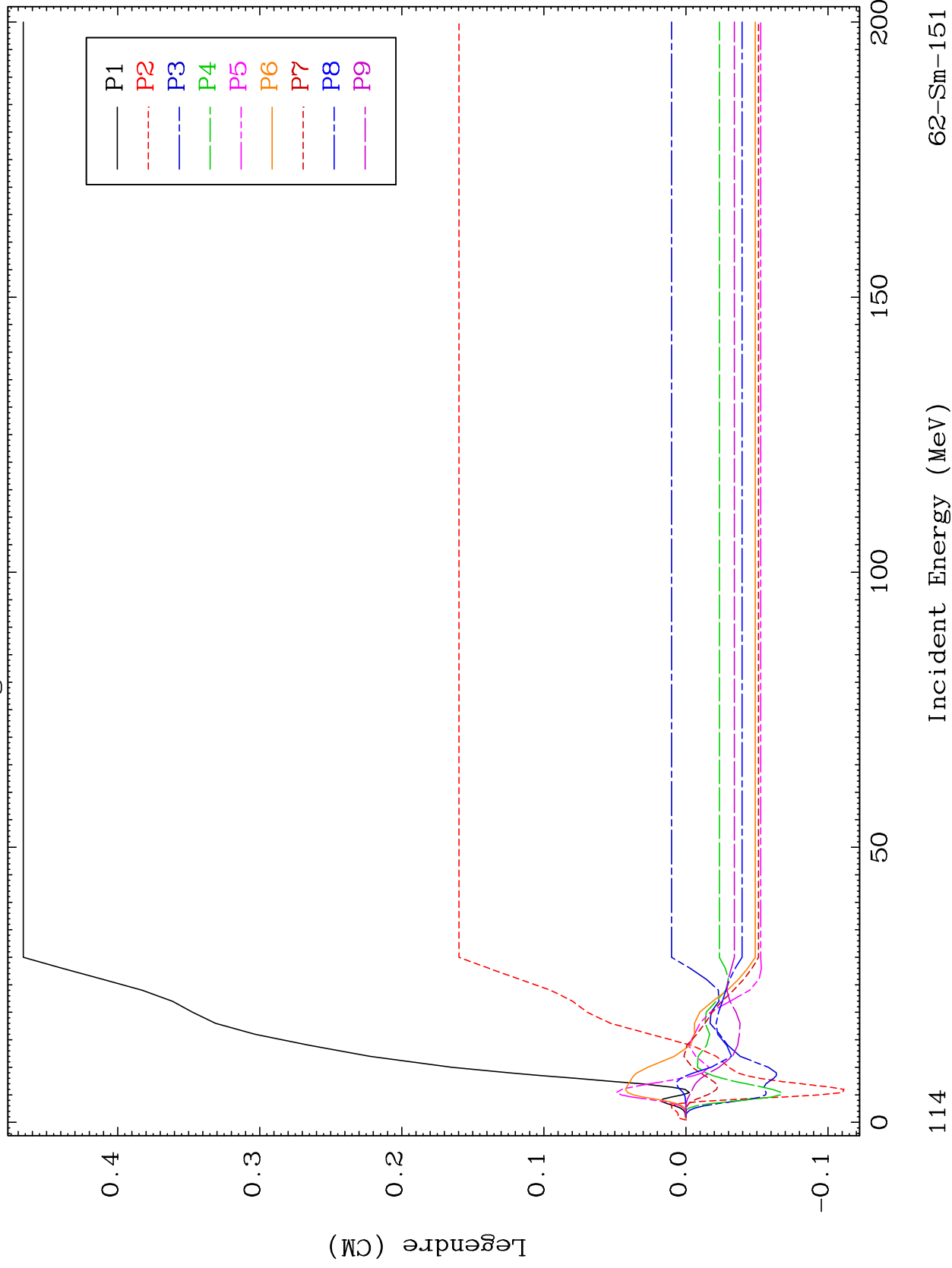
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 75 (n,n') Level  
Legendre Coefficients

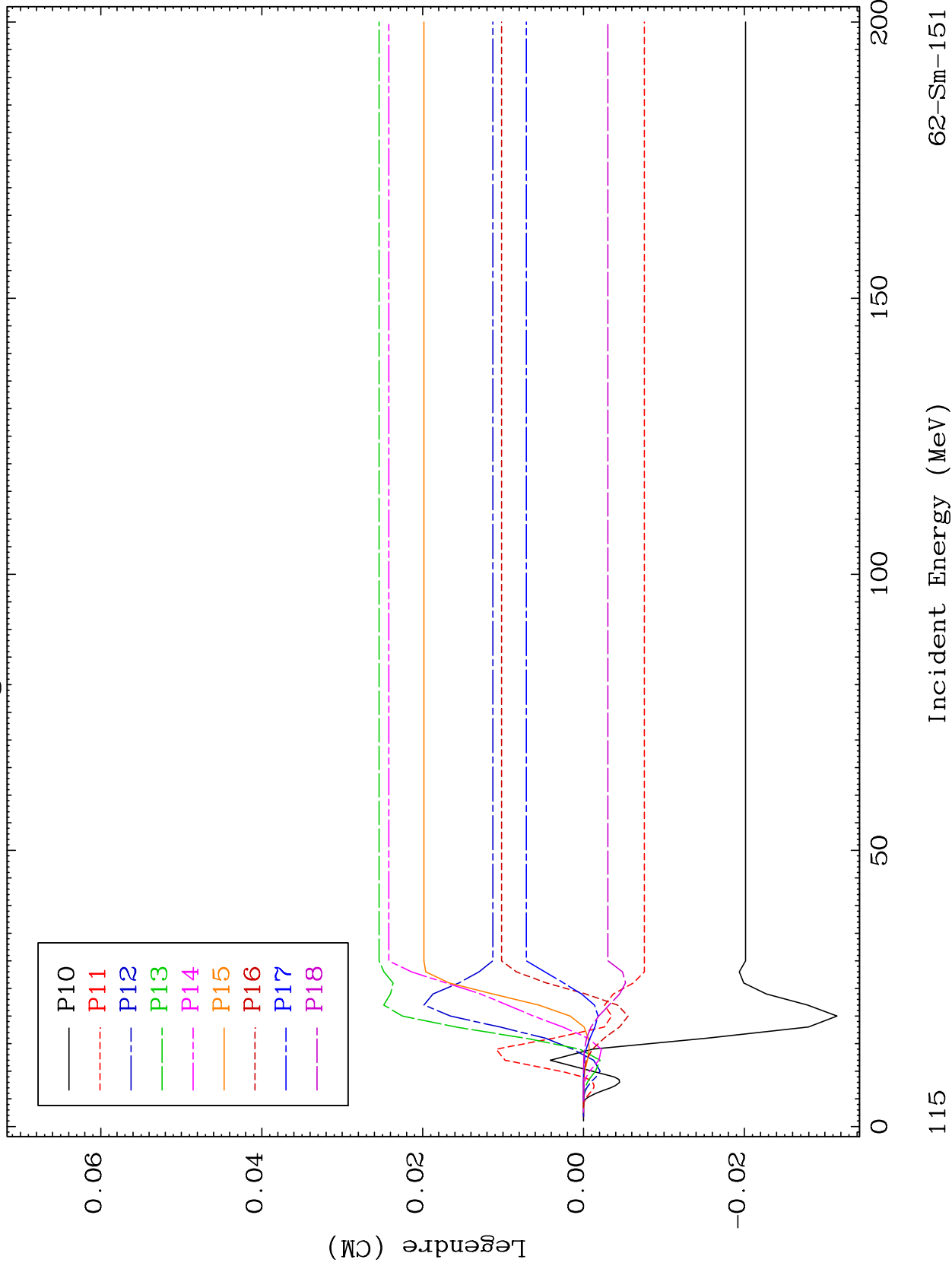
62-Sm-151



MAT 6246

MT= 75 (n,n') Level  
Legendre Coefficients

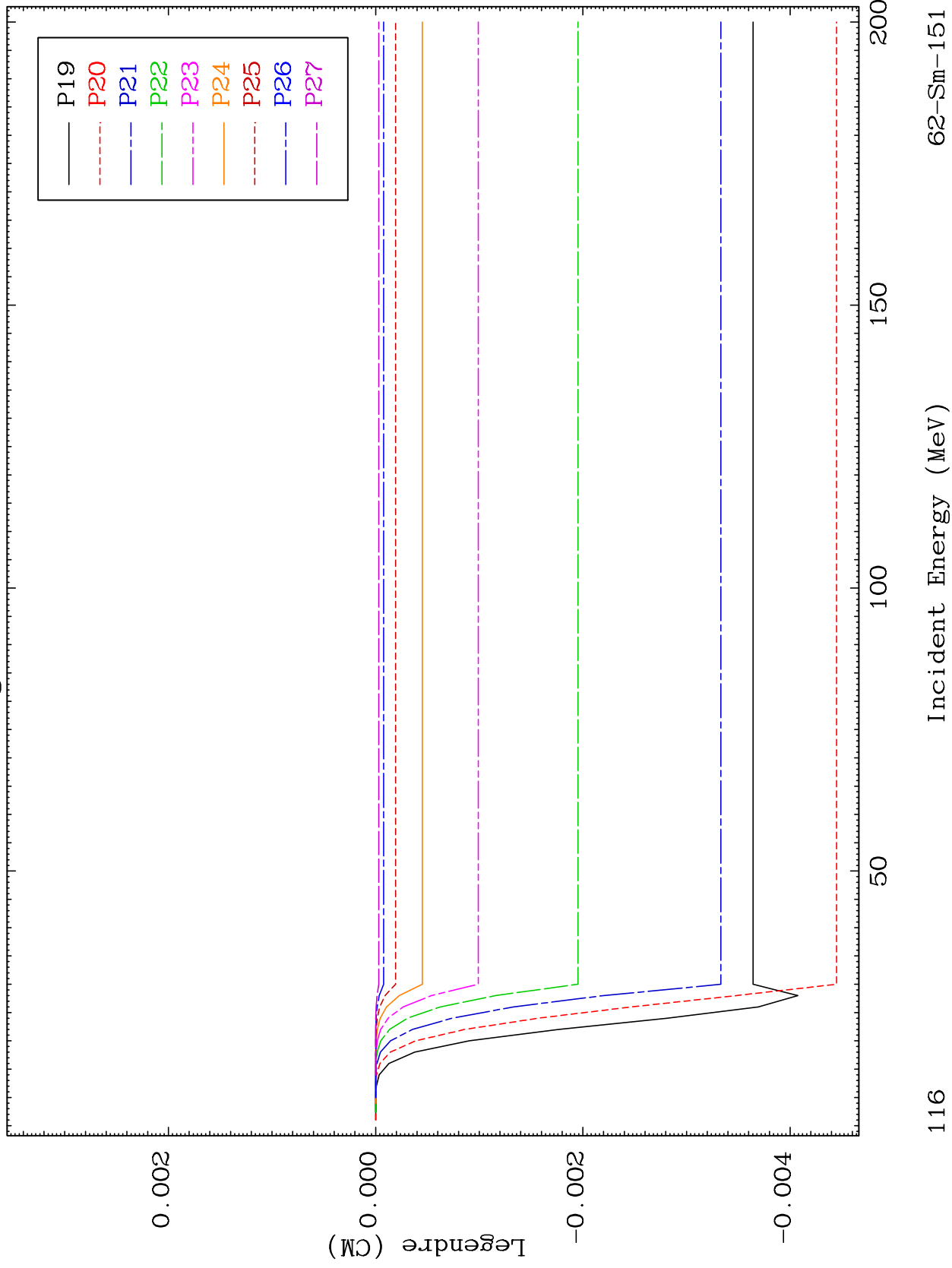
62-Sm-151



MAT 6246

MT= 75 (n,n') Level  
Legendre Coefficients

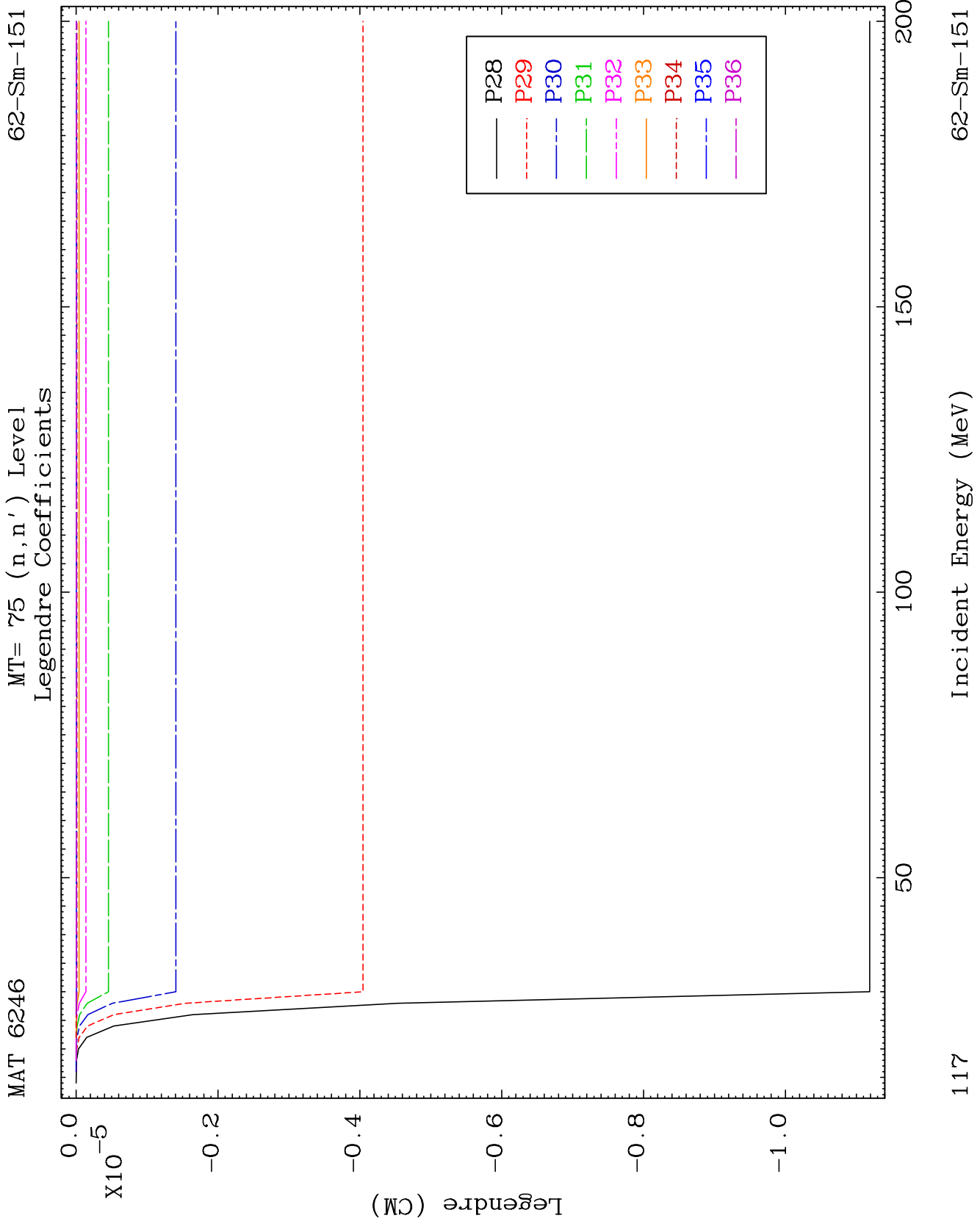
62-Sm-151



116

Incident Energy (MeV)

62-Sm-151

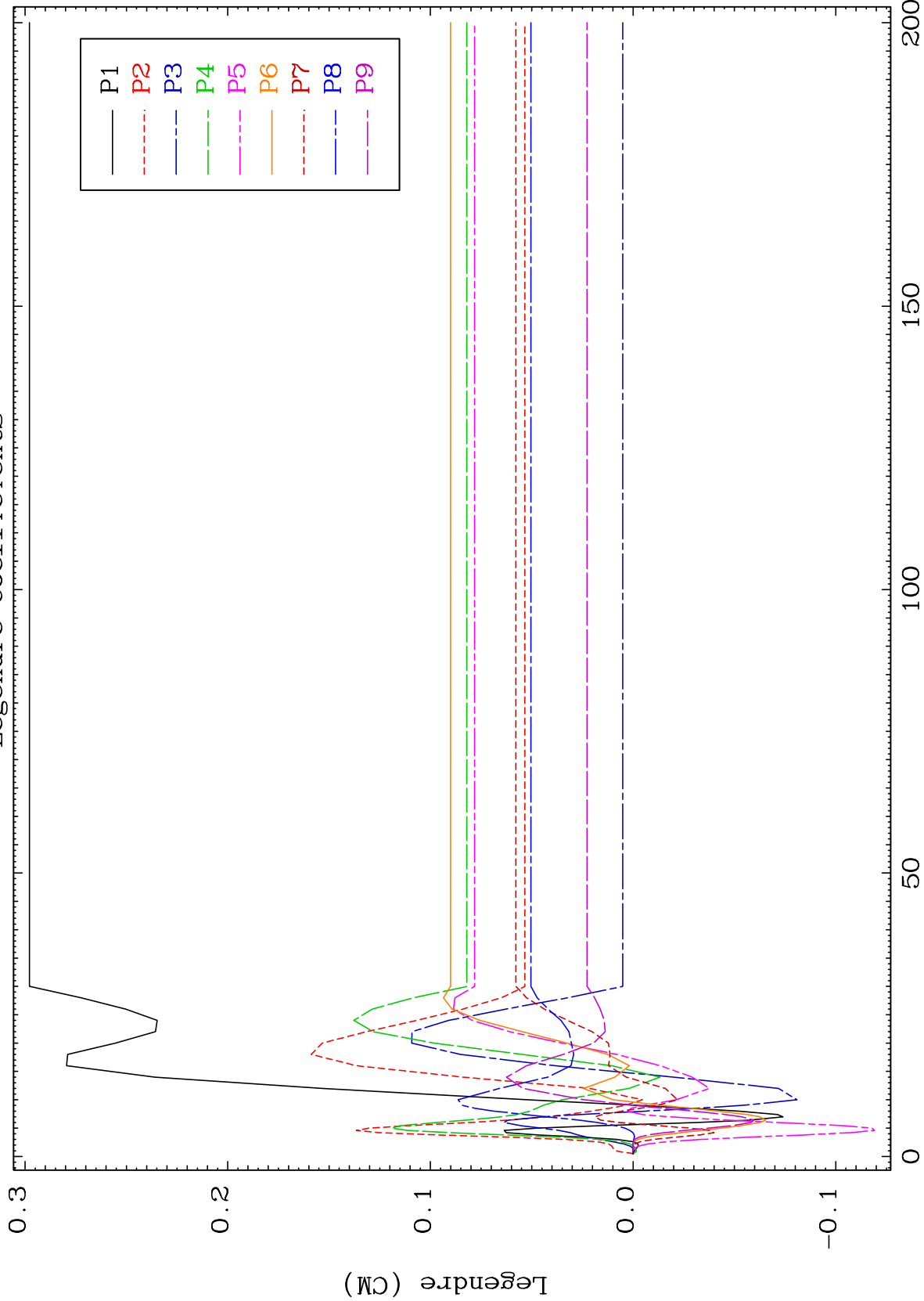


MAT 6246

MT= 76 (n,n') Level

62-Sm-151

Legendre Coefficients



62-Sm-151

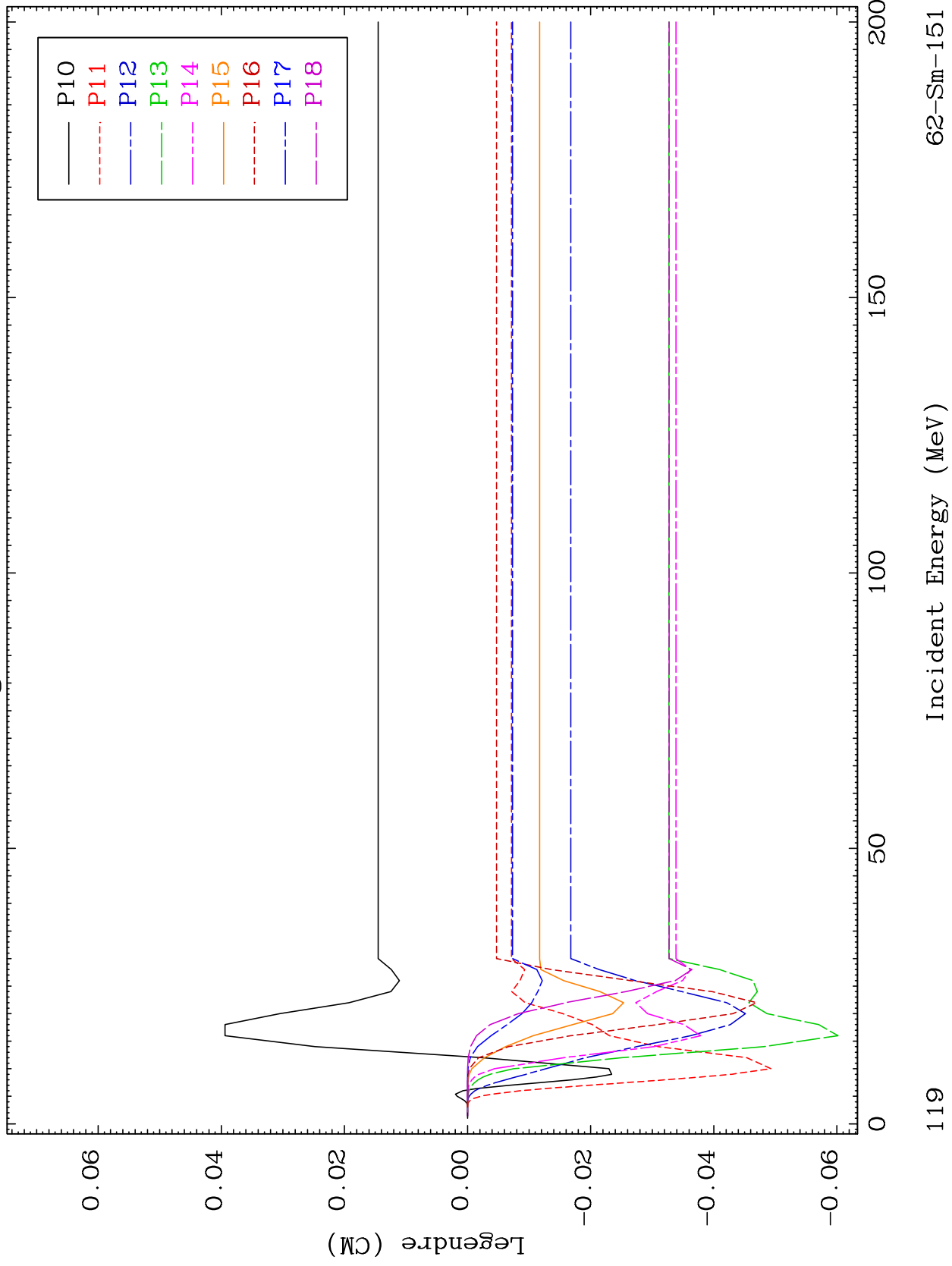
Incident Energy (MeV)

118

MAT 6246

MT= 76 (n,n') Level  
Legendre Coefficients

62-Sm-151



119

Incident Energy (MeV)

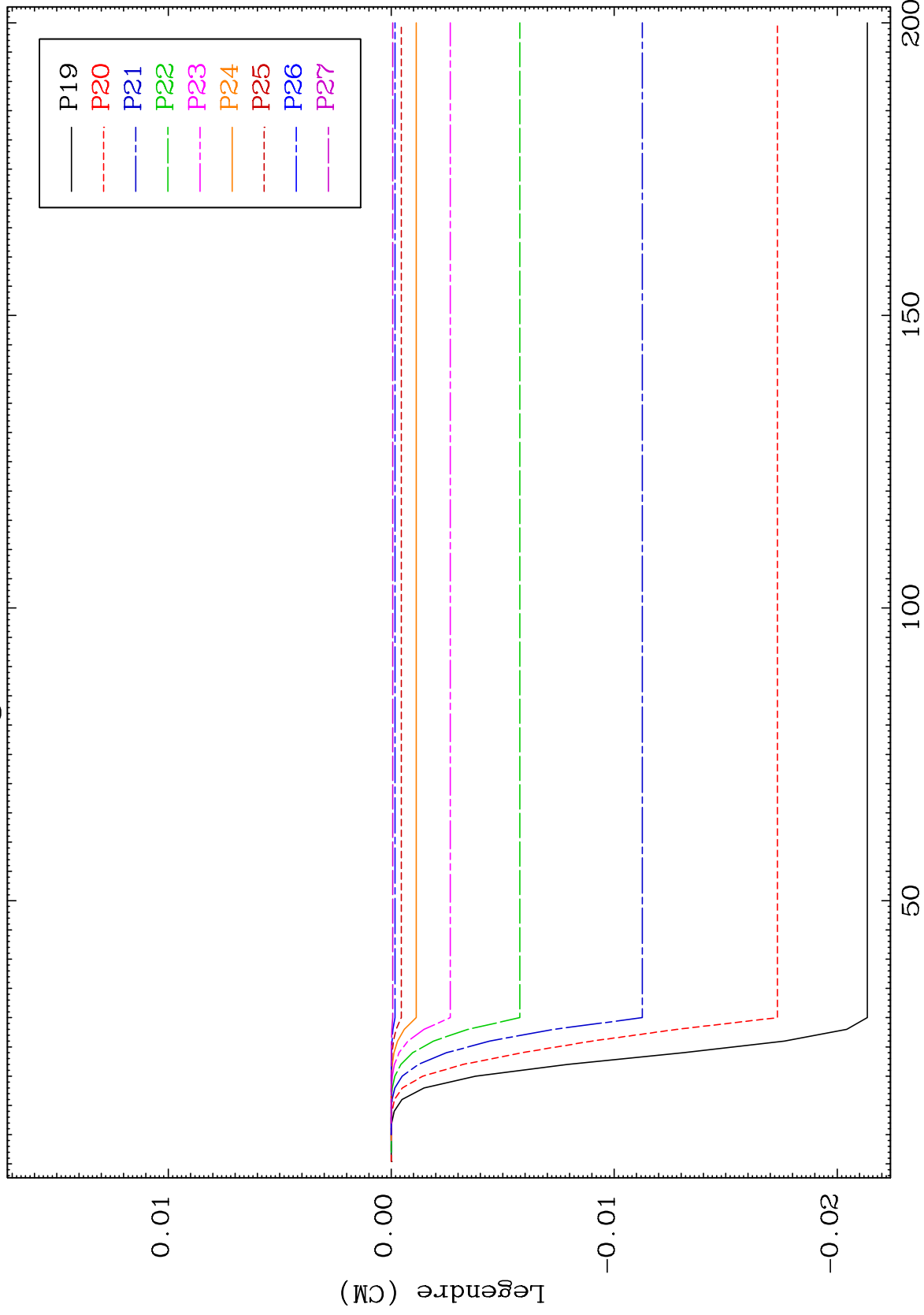
62-Sm-151



MAT 6246

MT= 76 (n,n') Level  
Legendre Coefficients

62-Sm-151



120

Incident Energy (MeV)

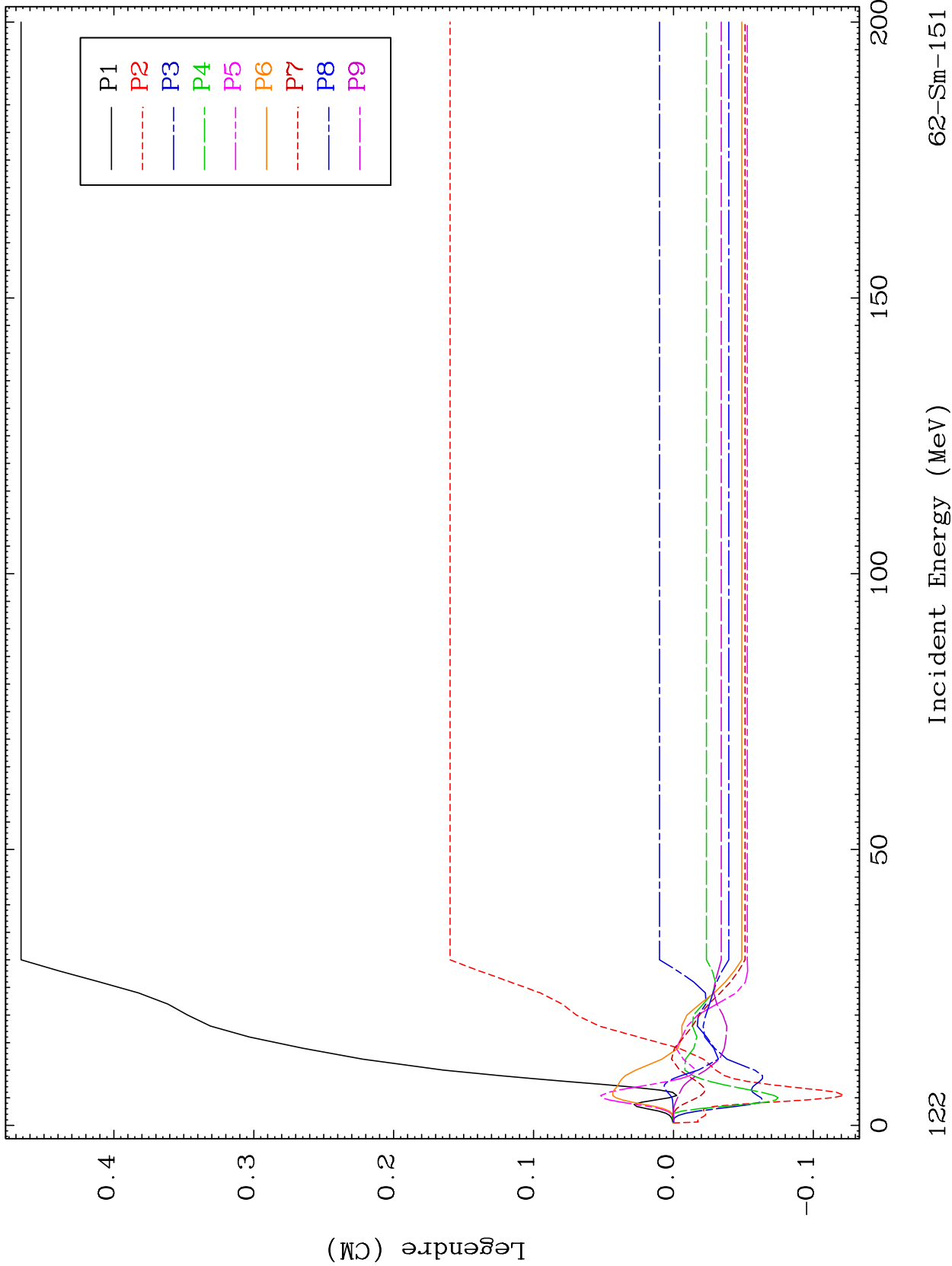
62-Sm-151



MAT 6246

MT= 77 (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

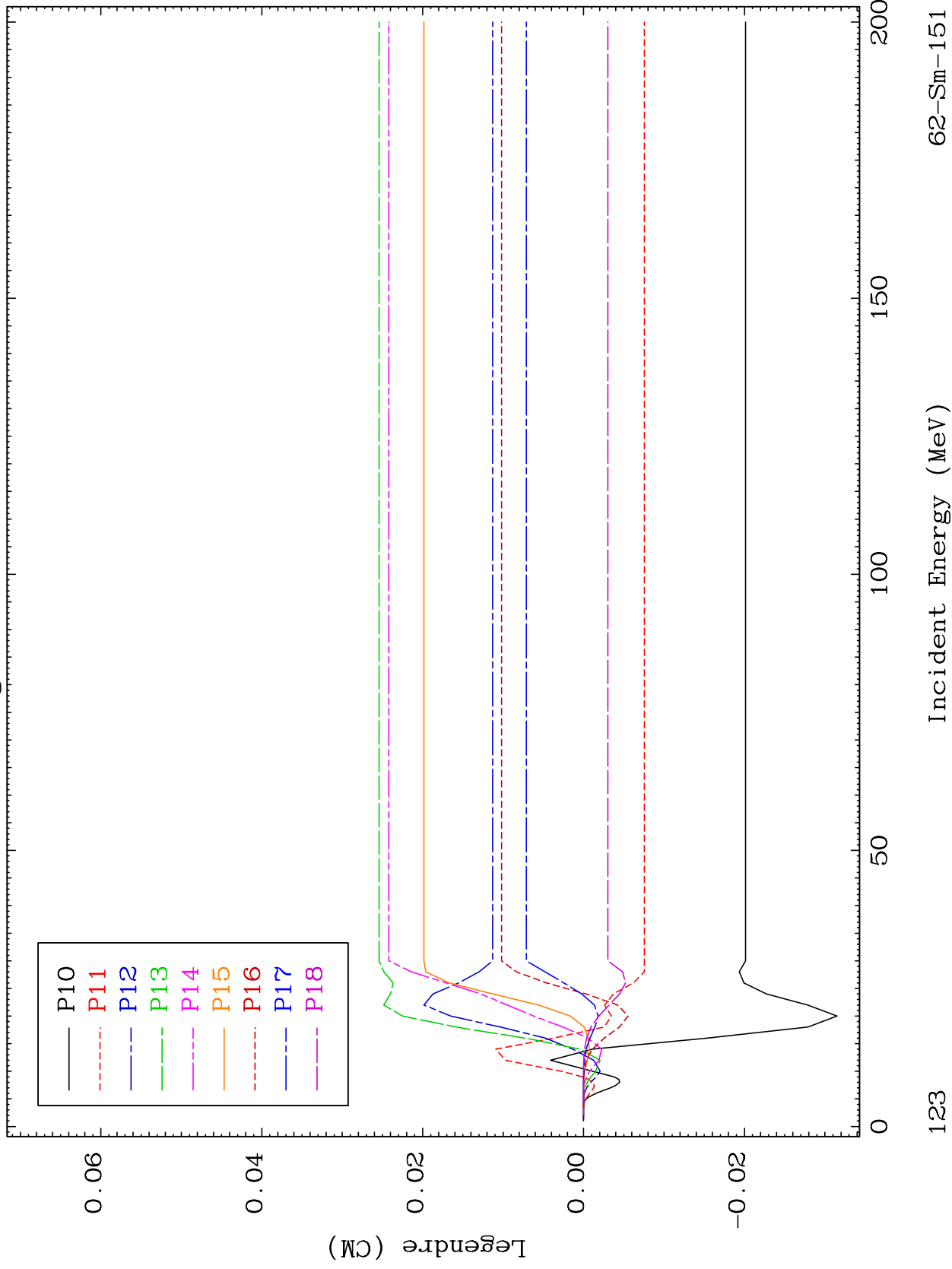
Incident Energy (MeV)

122

MAT 6246

MT= 77 (n,n') Level  
Legendre Coefficients

62-Sm-151



123

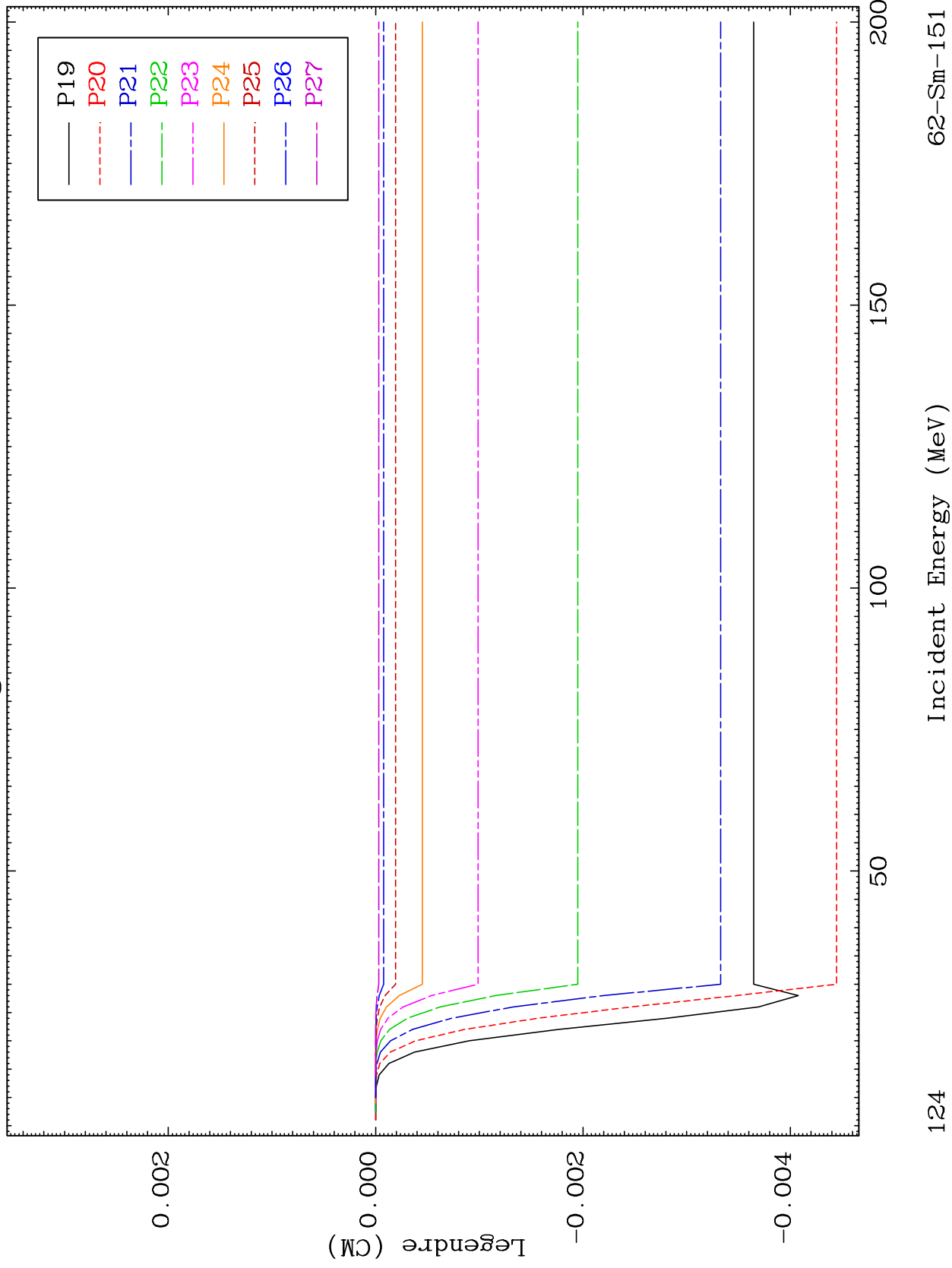
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 77 (n,n') Level  
Legendre Coefficients

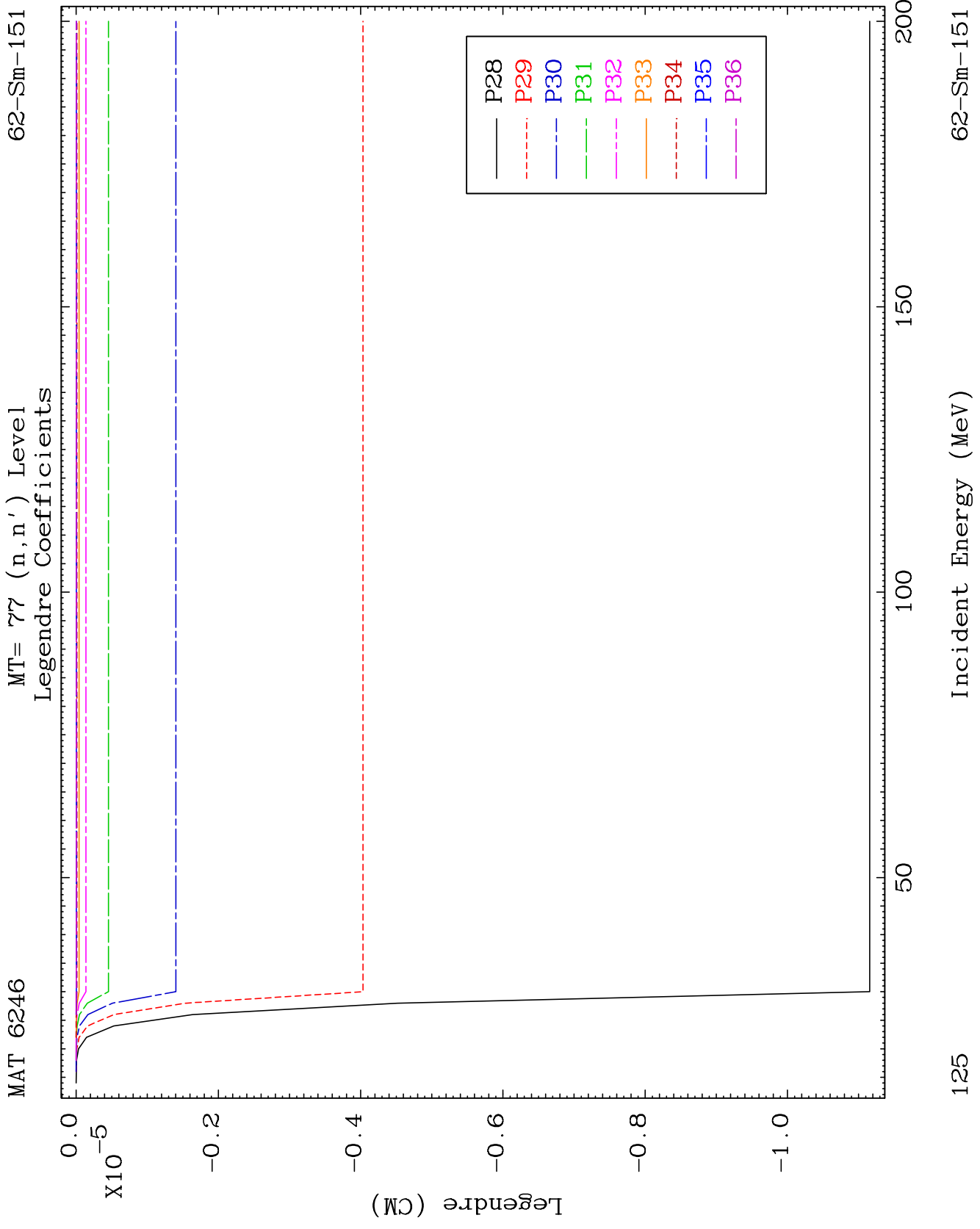
62-Sm-151



124

Incident Energy (MeV)

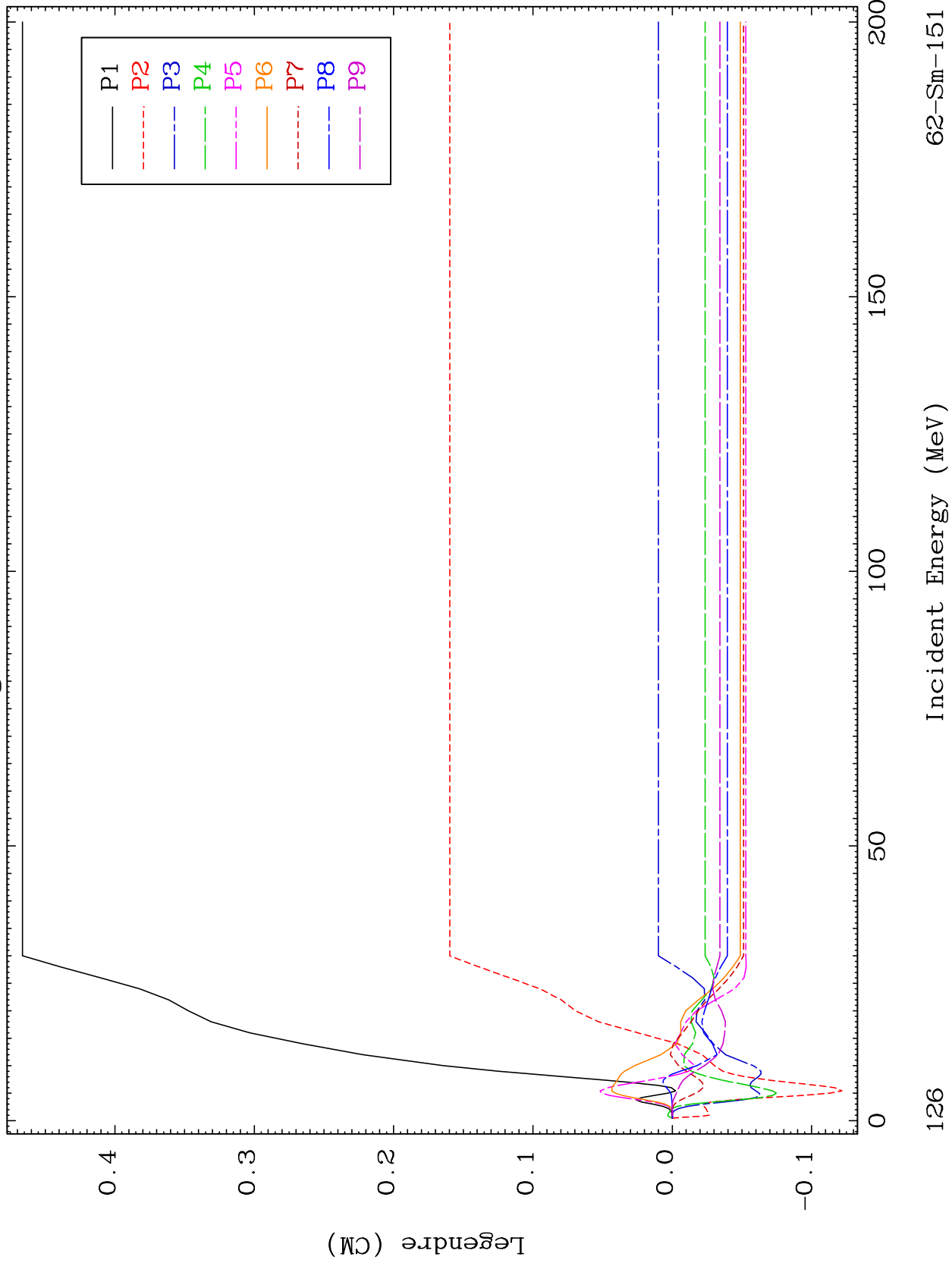
62-Sm-151



MAT 6246

MT= 78 (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

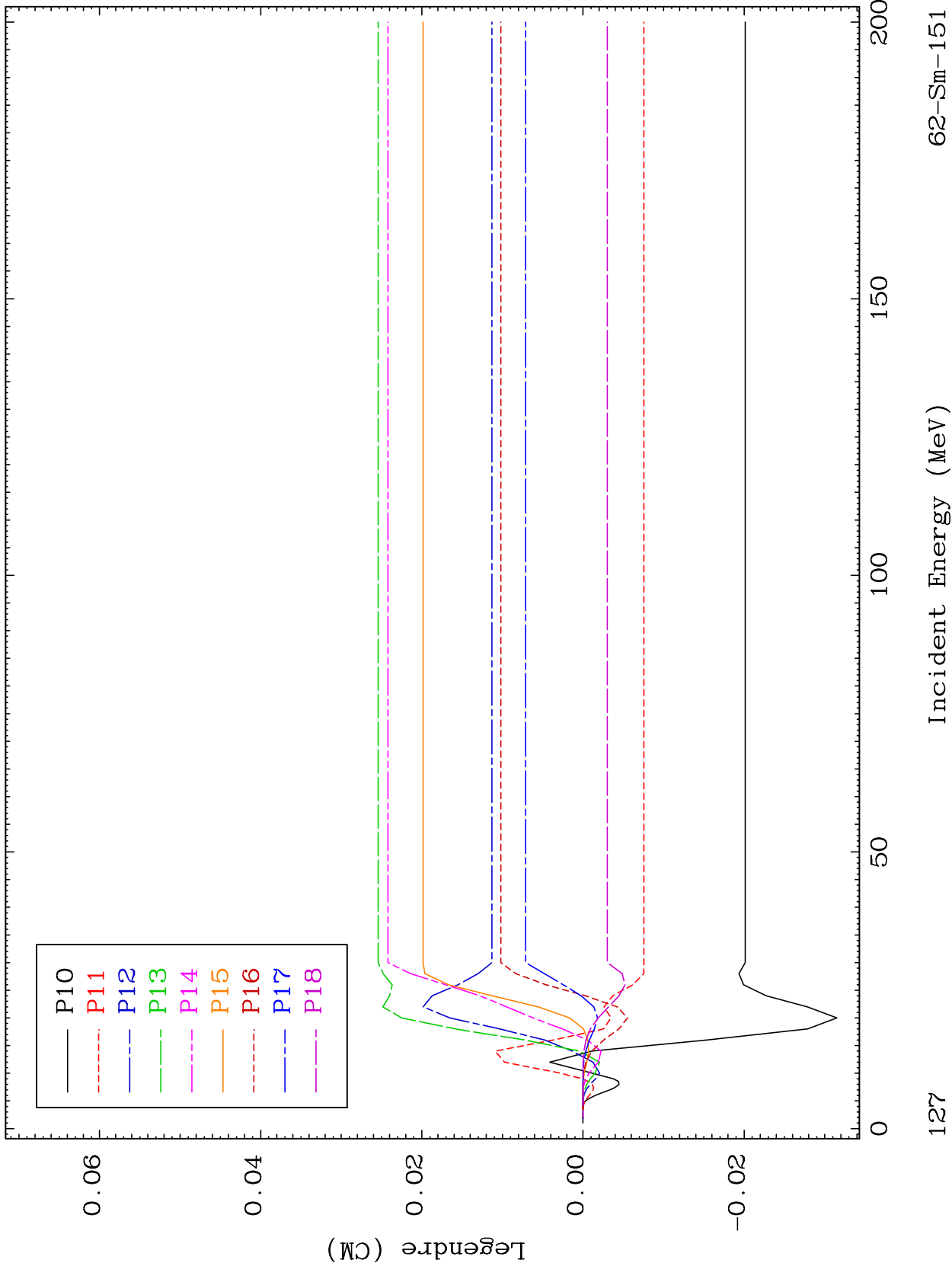
Incident Energy (MeV)

126

MAT 6246

MT= 78 (n,n') Level  
Legendre Coefficients

62-Sm-151



127

Incident Energy (MeV)

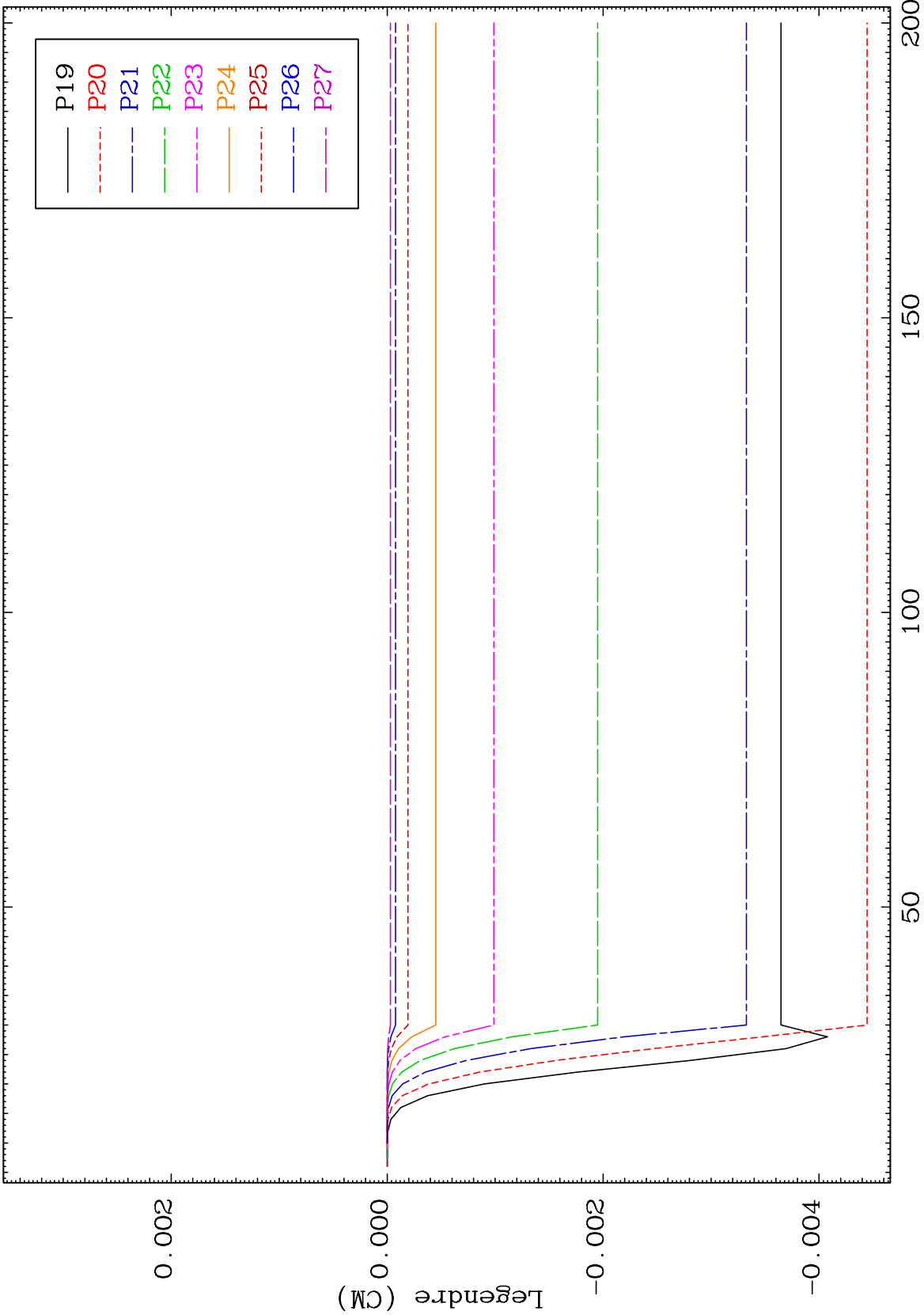
62-Sm-151



MAT 6246

MT= 78 (n,n') Level  
Legendre Coefficients

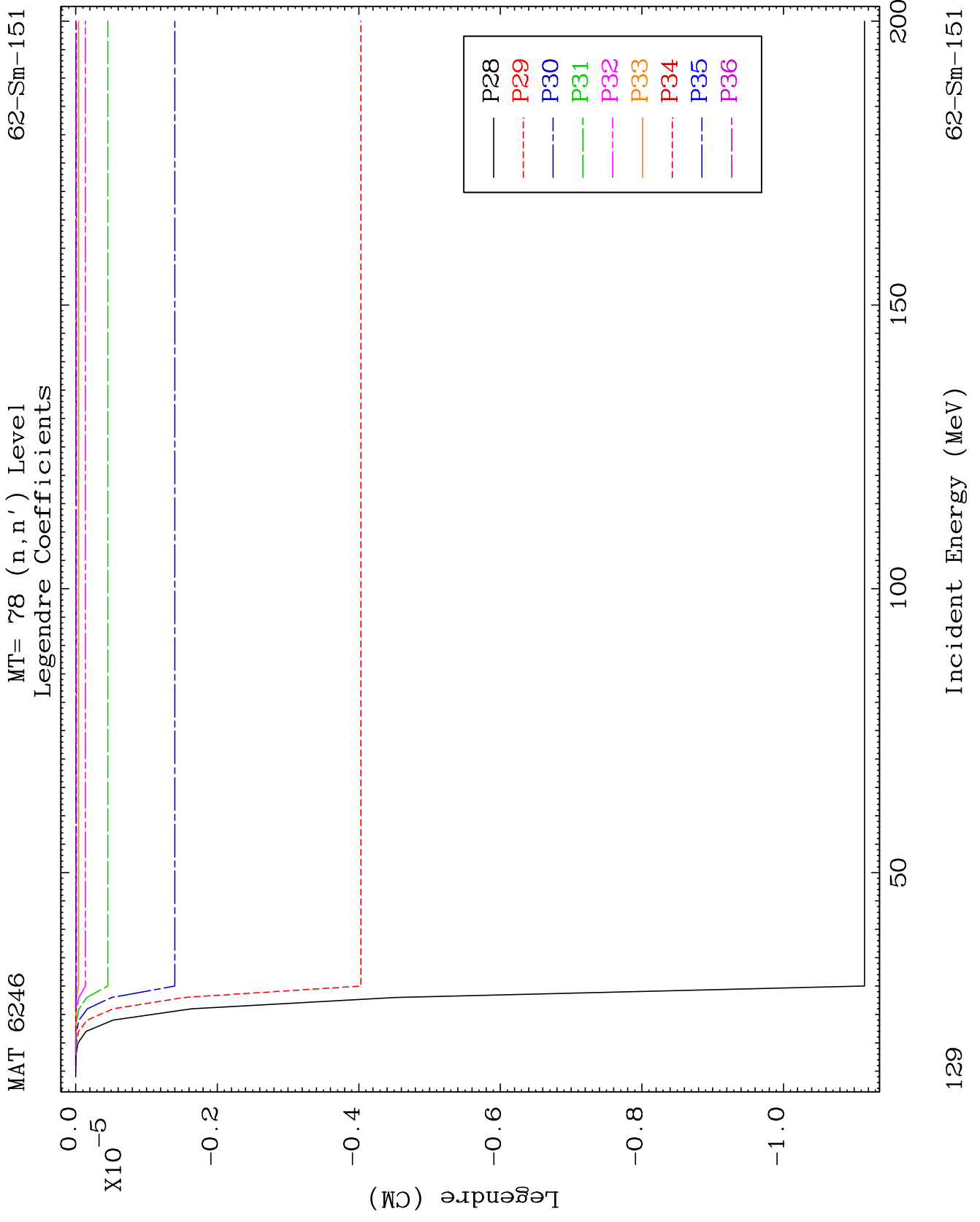
62-Sm-151



128

Incident Energy (MeV)

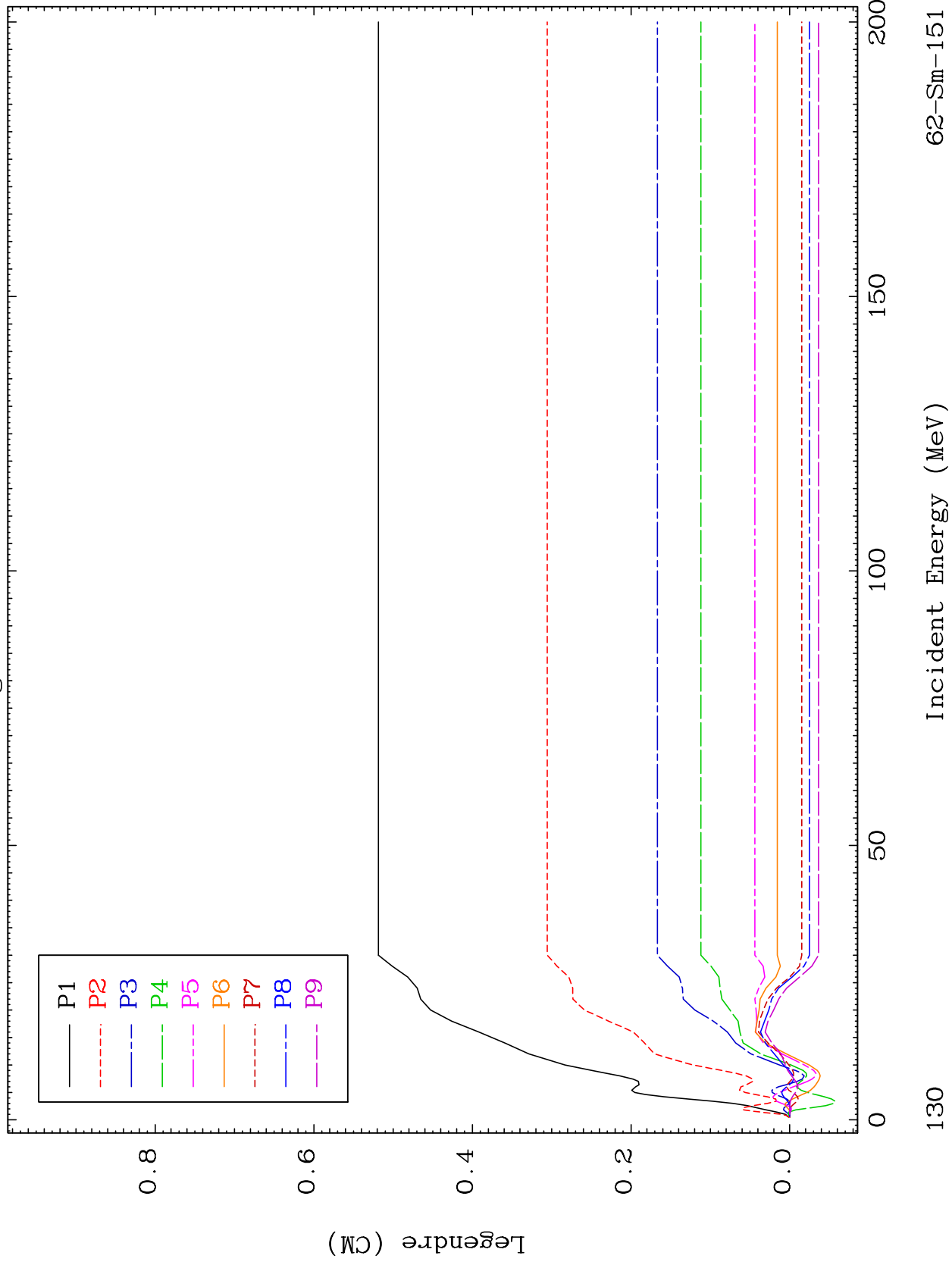
62-Sm-151



MAT 6246

MT= 79 (n,n') Level  
Legendre Coefficients

62-Sm-151



62-Sm-151

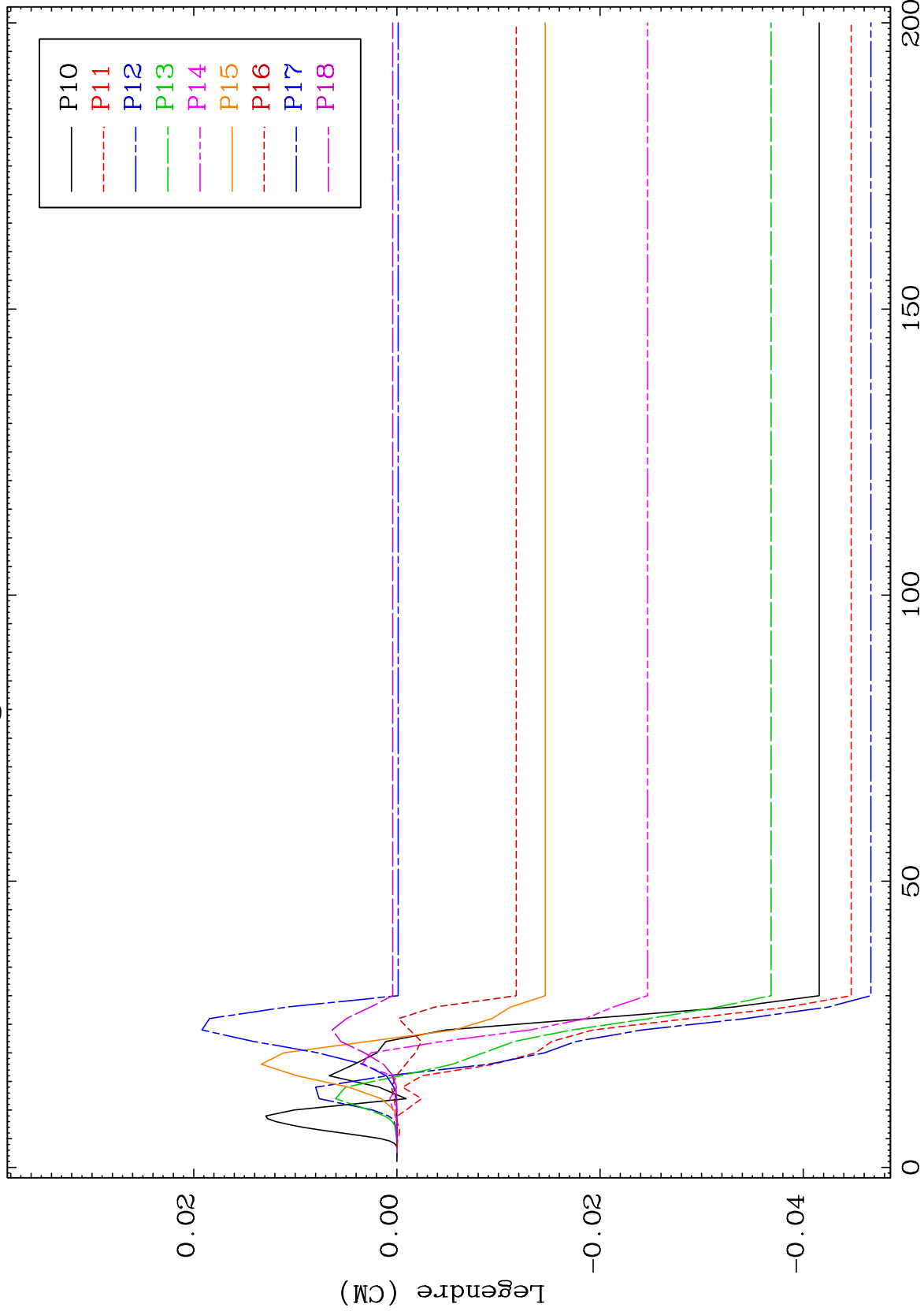
Incident Energy (MeV)

130

MAT 6246

MT= 79 (n,n') Level  
Legendre Coefficients

62-Sm-151



131

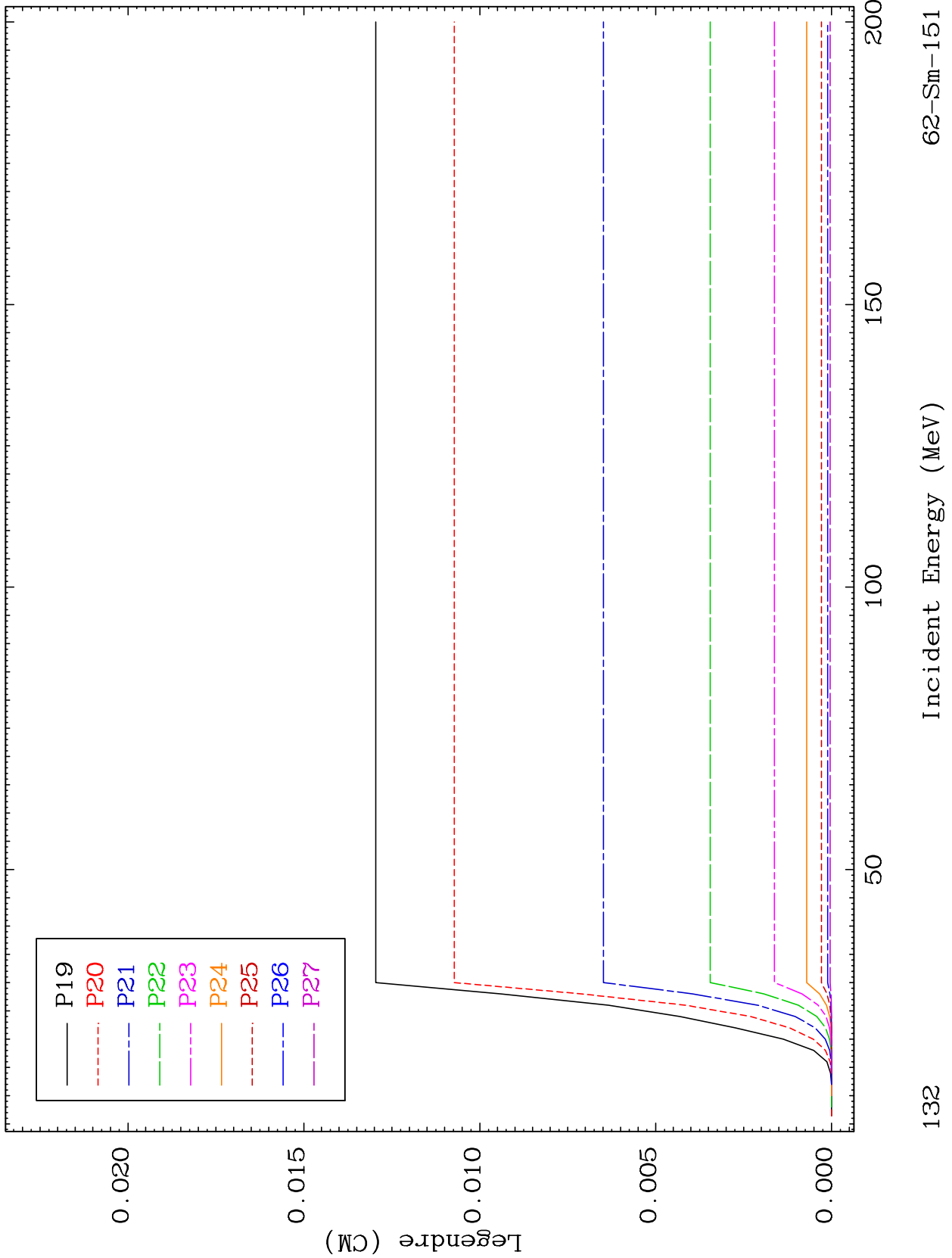
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 79 (n,n') Level  
Legendre Coefficients

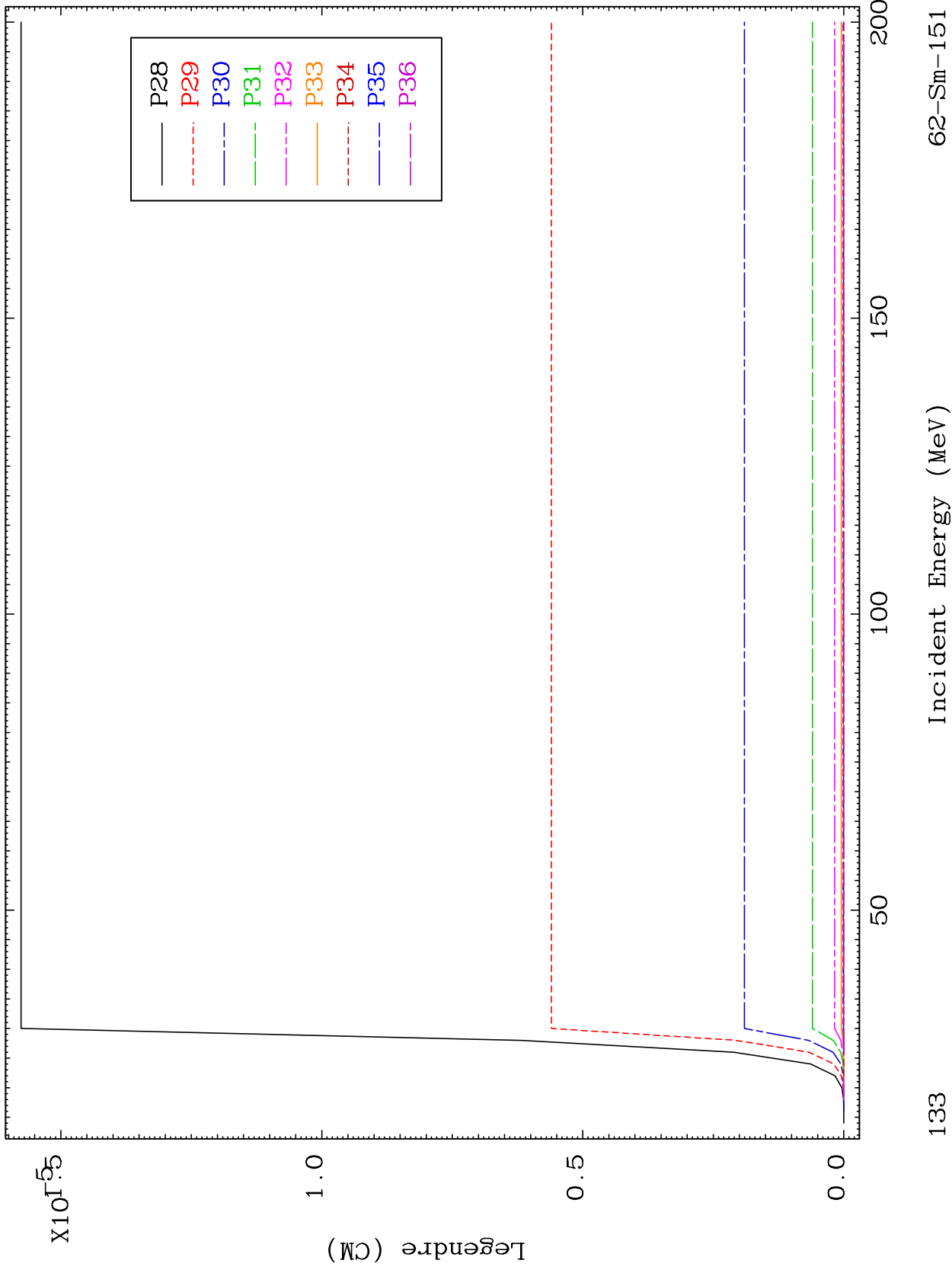
62-Sm-151



MAT 6246

MT= 79 (n,n') Level  
Legendre Coefficients

62-Sm-151



133

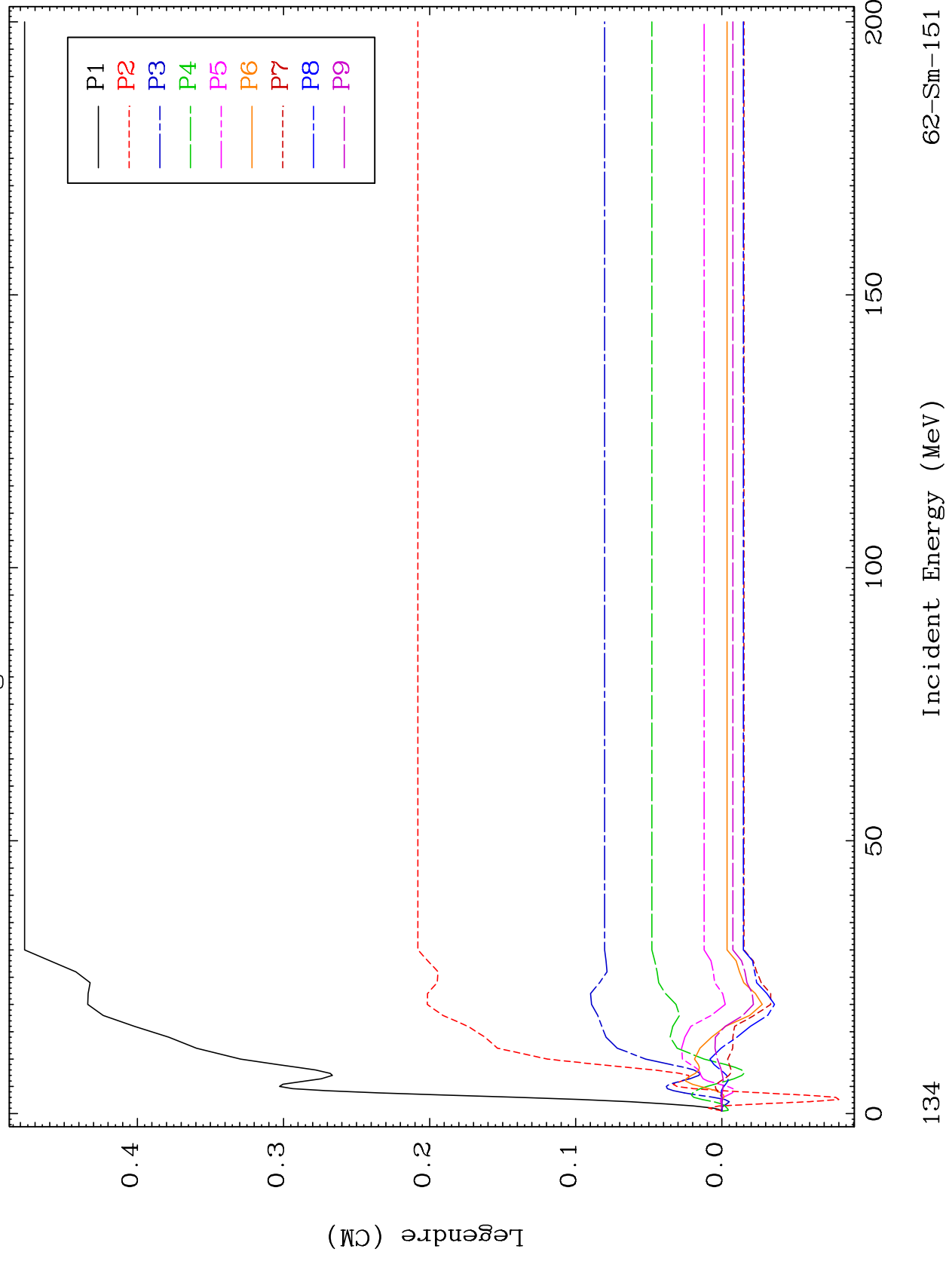
Incident Energy (MeV)

62-Sm-151

MAT 6246

MT= 80 (n,n') Level  
Legendre Coefficients

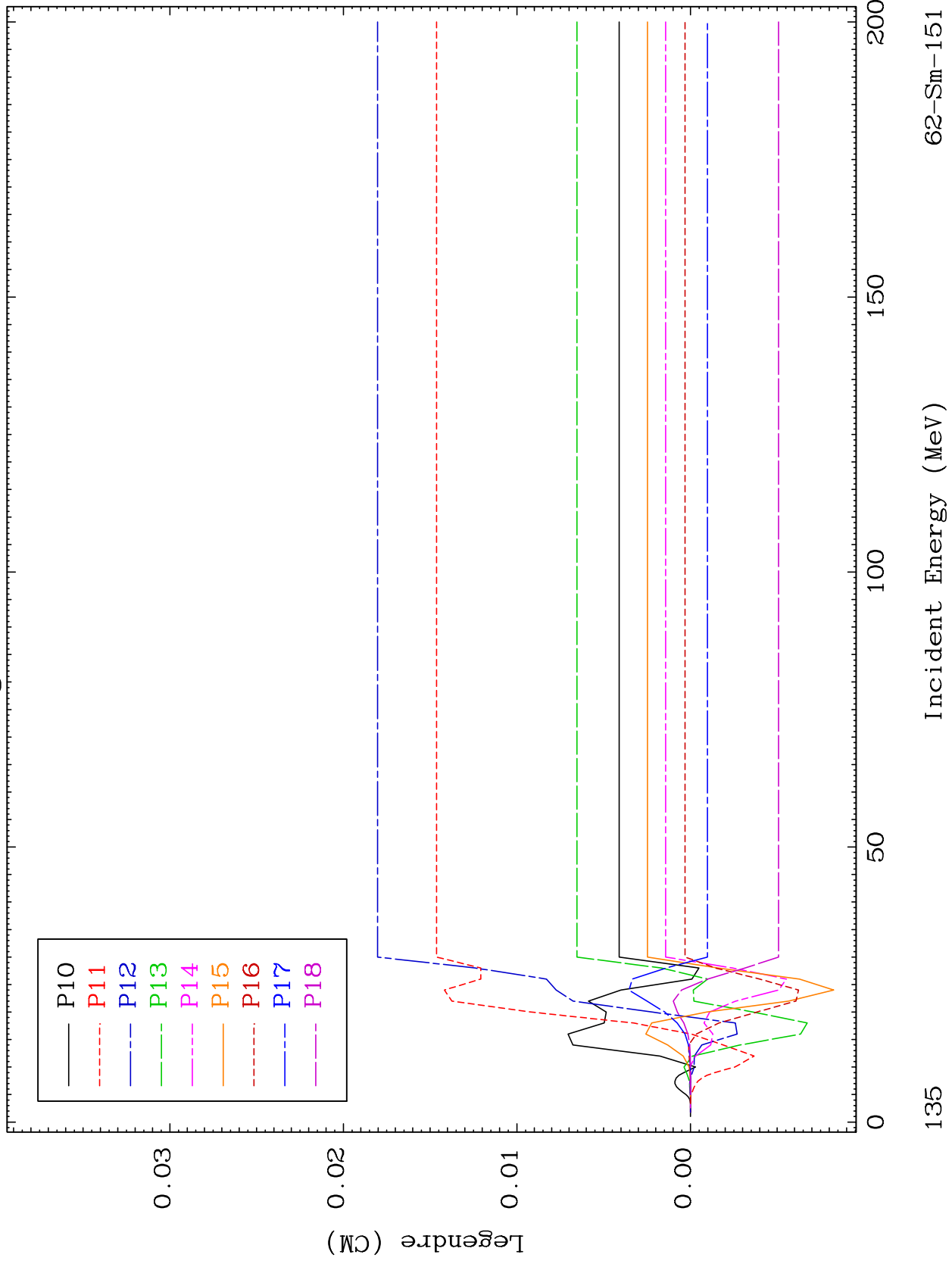
62-Sm-151



MAT 6246

MT= 80 (n,n') Level  
Legendre Coefficients

62-Sm-151

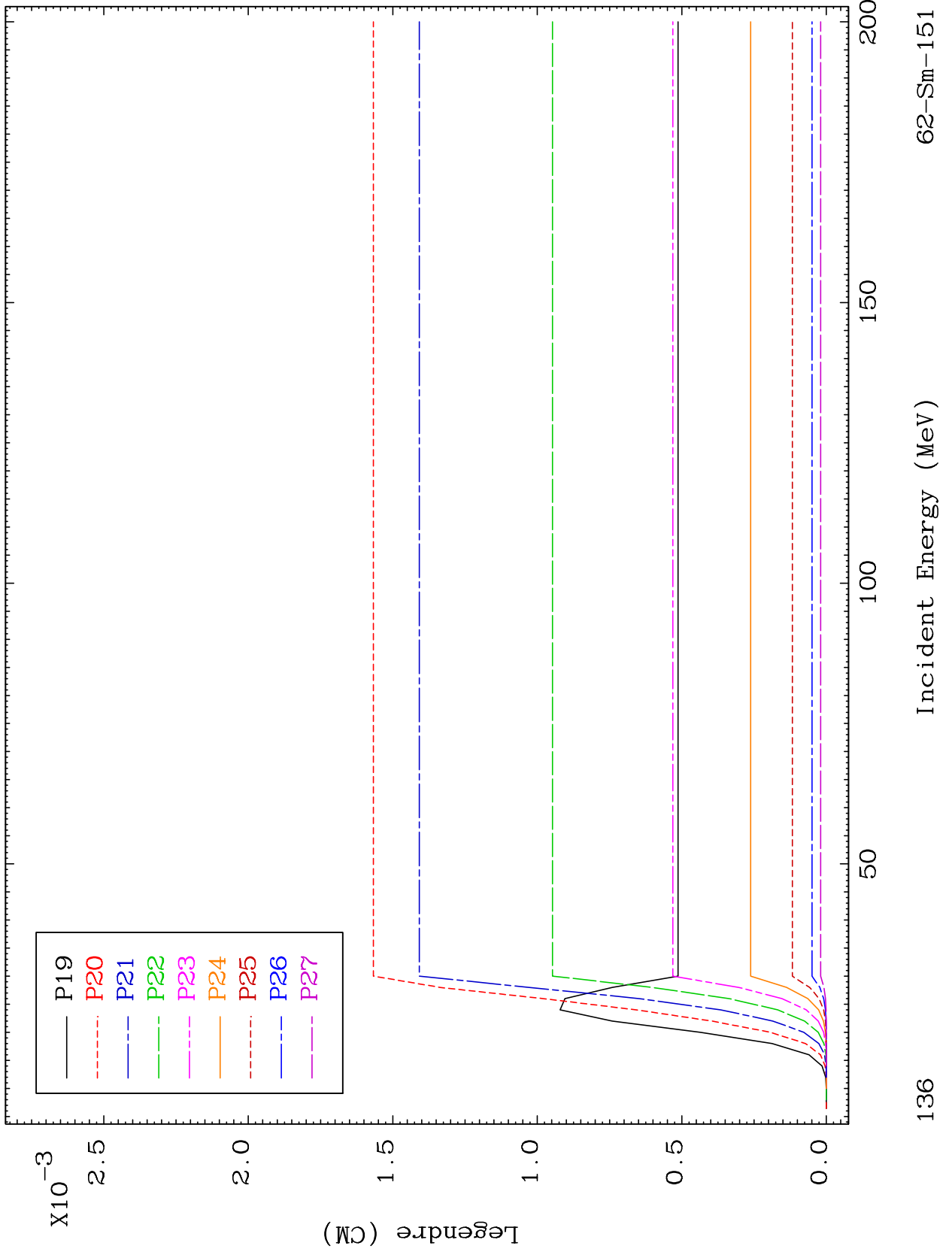


62-Sm-151

Incident Energy (MeV)

135

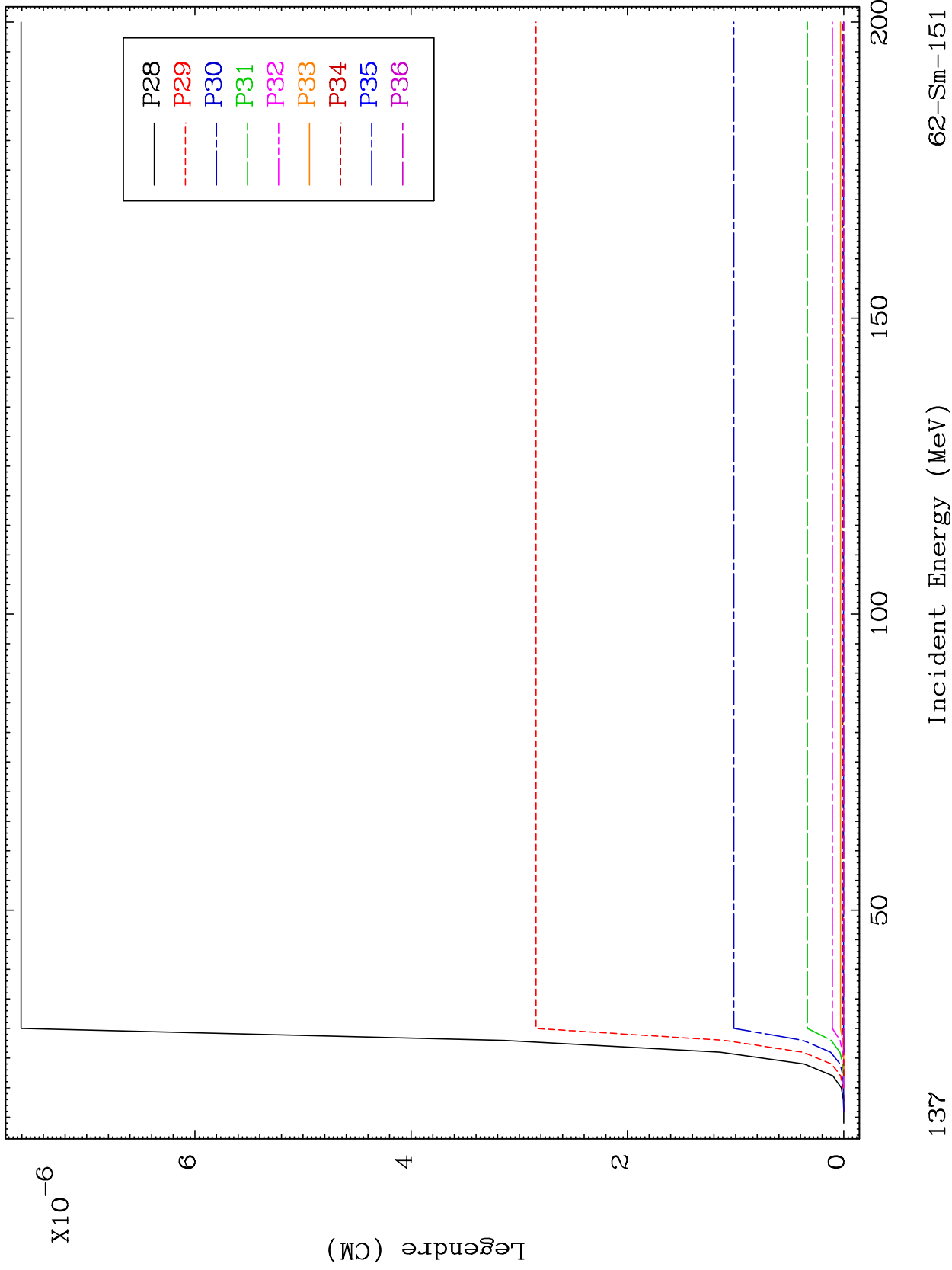




MAT 6246

MT= 80 (n,n') Level  
Legendre Coefficients

62-Sm-151



137

Incident Energy (MeV)

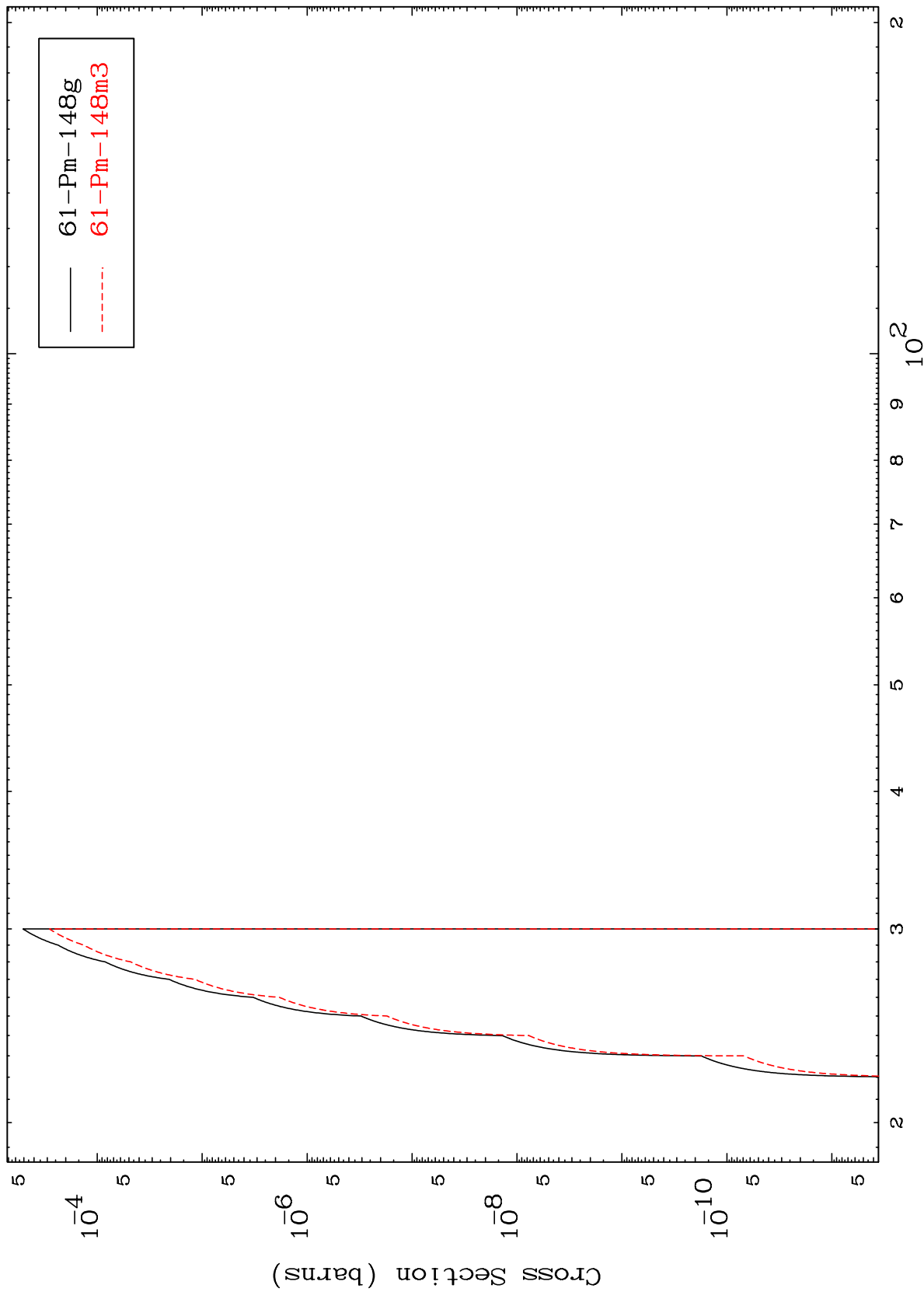
62-Sm-151

MAT 6246

(n,2n) d

62-Sm-151

Radionuclide Production Cross Section

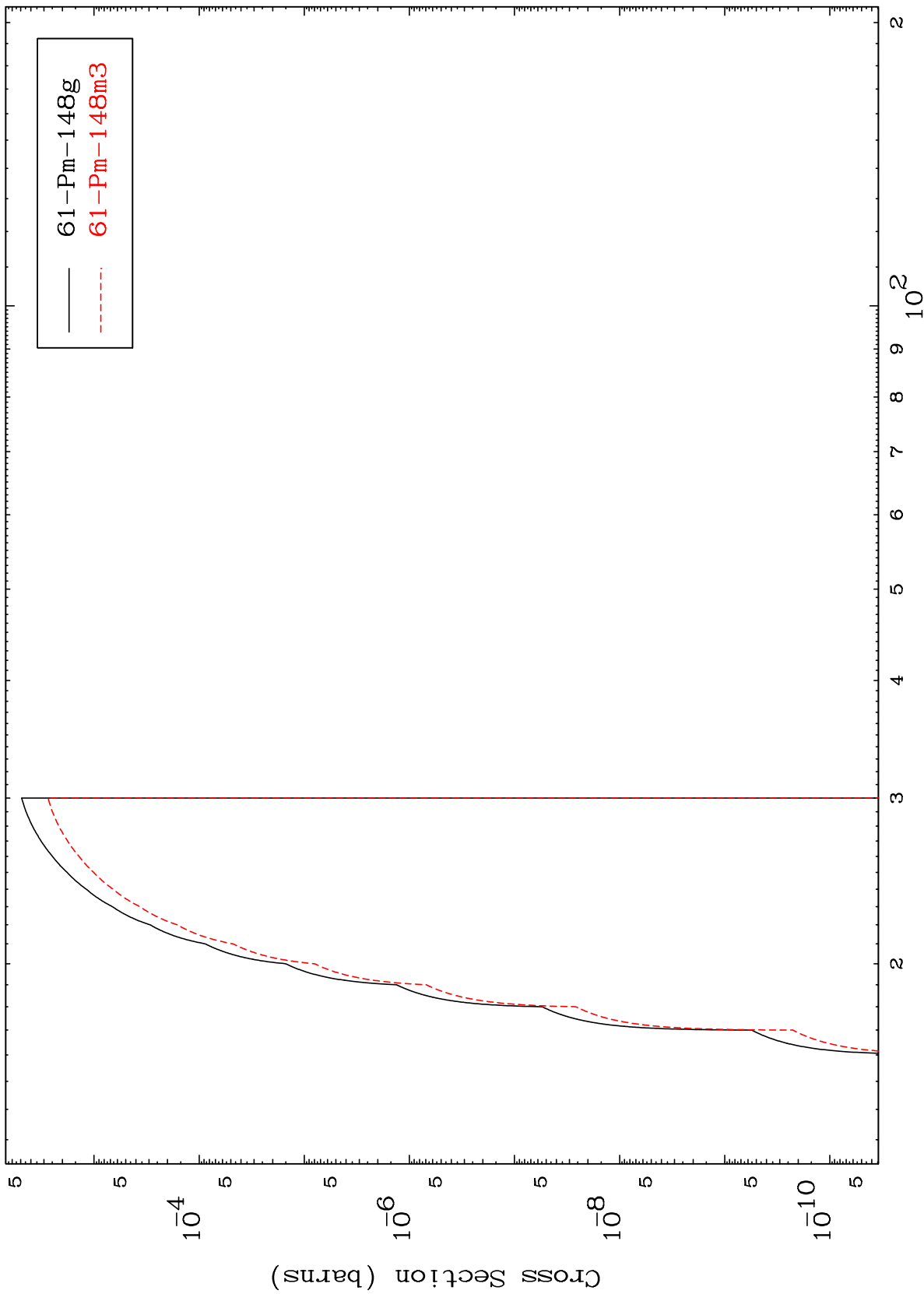


138

Incident Energy (MeV)

62-Sm-151

Radionuclide Production Cross Section

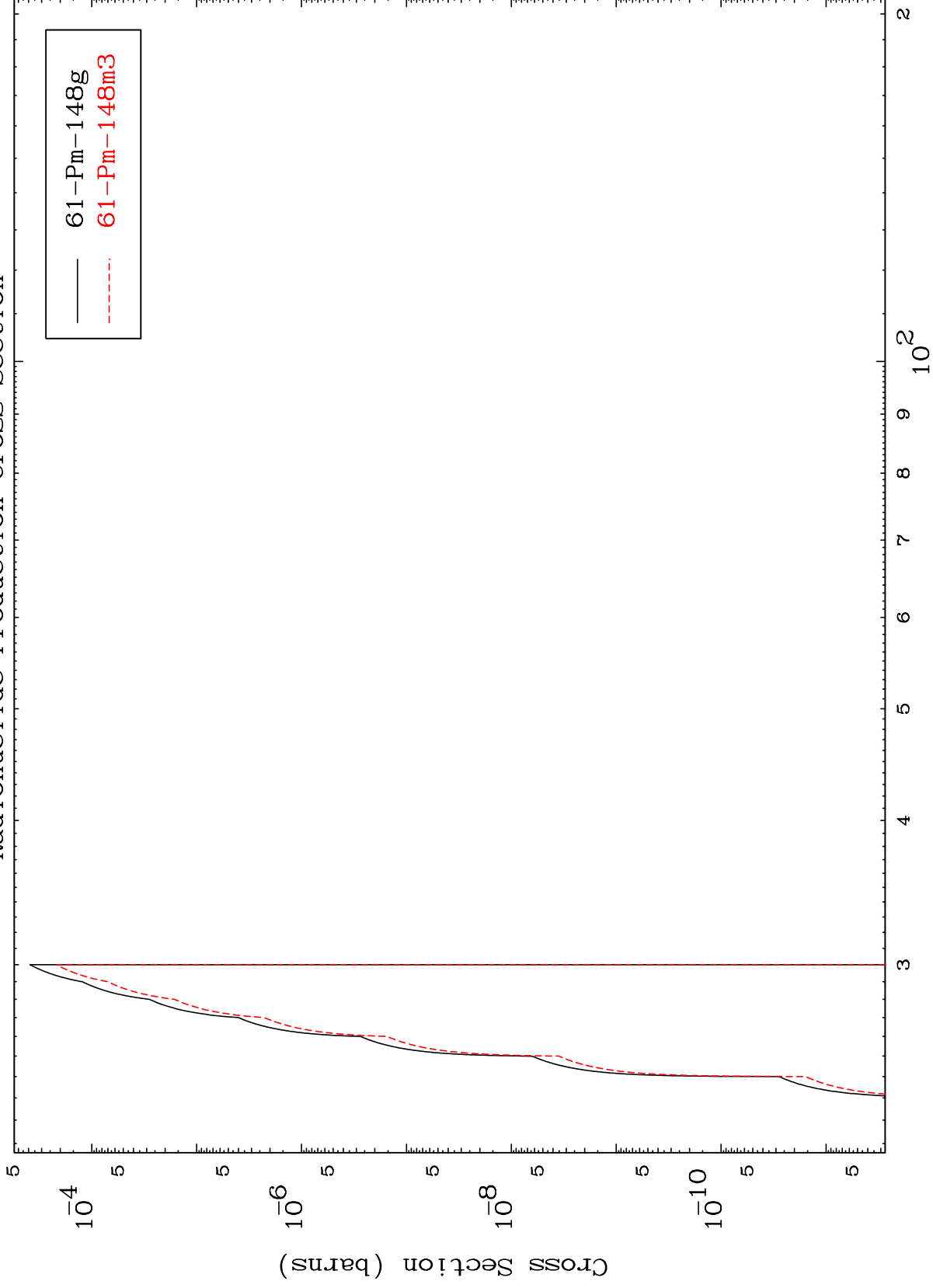


MAT 6246

(n,3n) p

62-Sm-151

Radionuclide Production Cross Section



140

Incident Energy (MeV)

62-Sm-151