

Program EVALPLOT  
(Version 2018-1)

by

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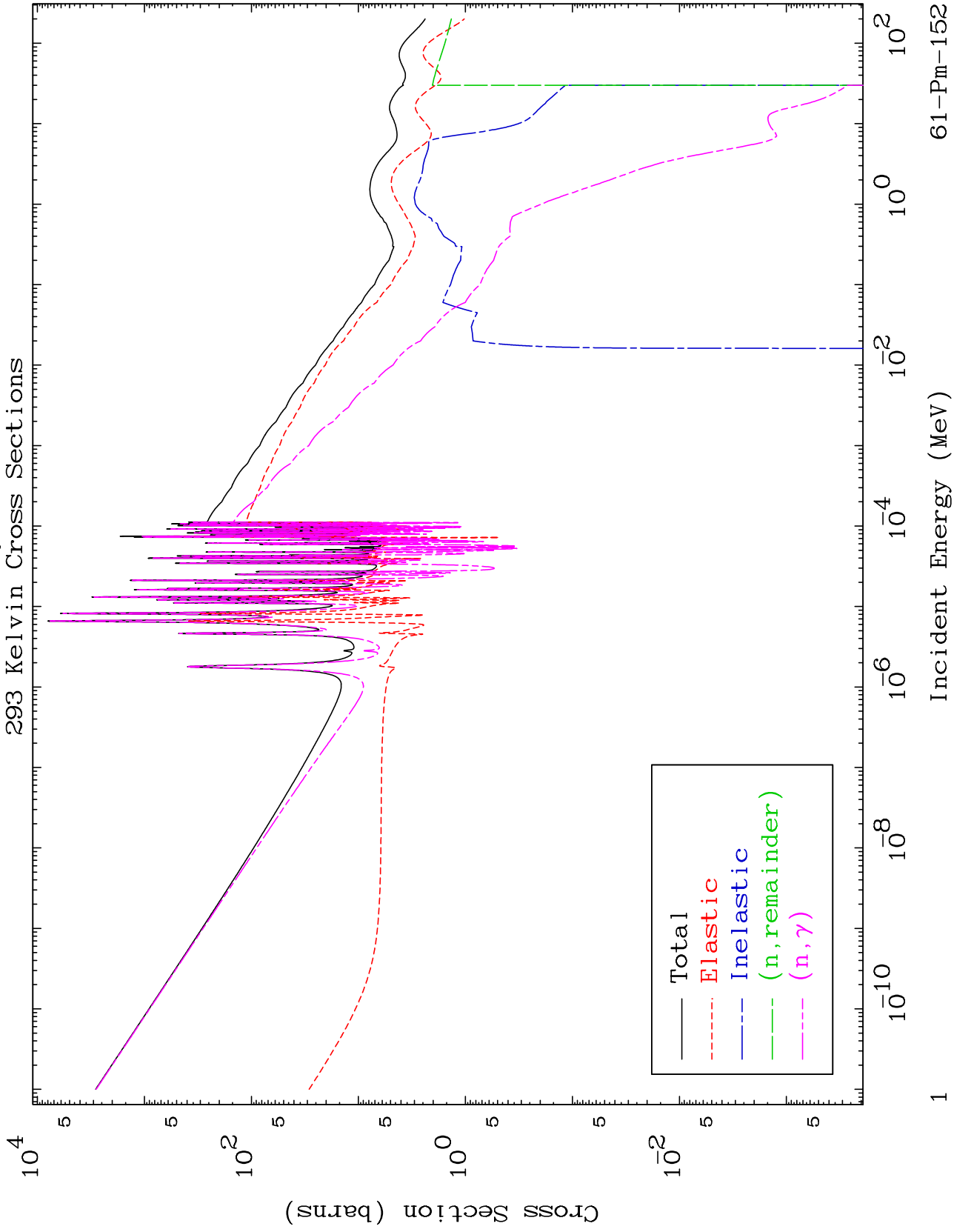
Press Mouse Button to Start

MAT 6164

Major

293 Kelvin Cross Sections

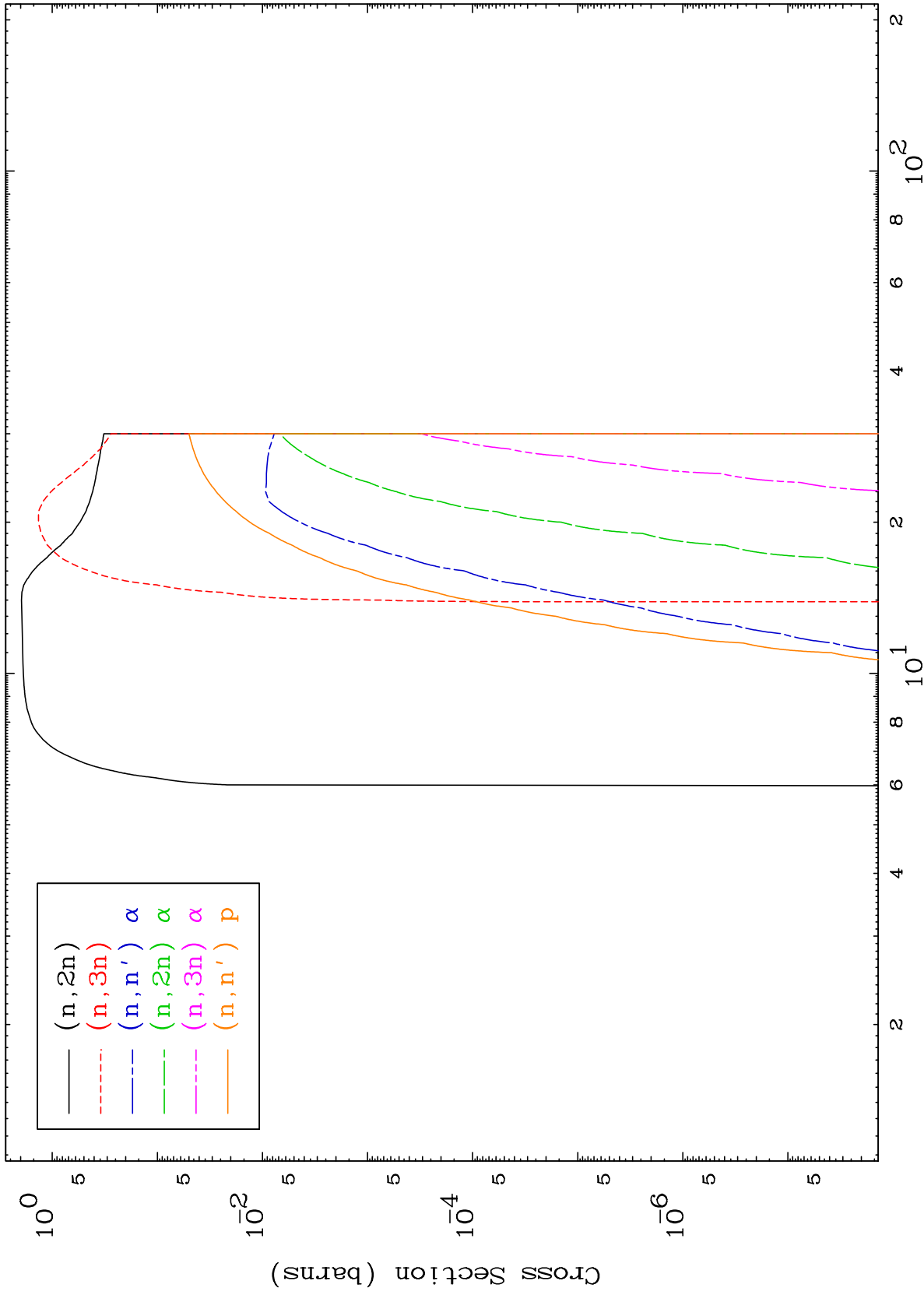
61-Pm-152



MAT 6164

Neutron Production  
293 Kelvin Cross Sections

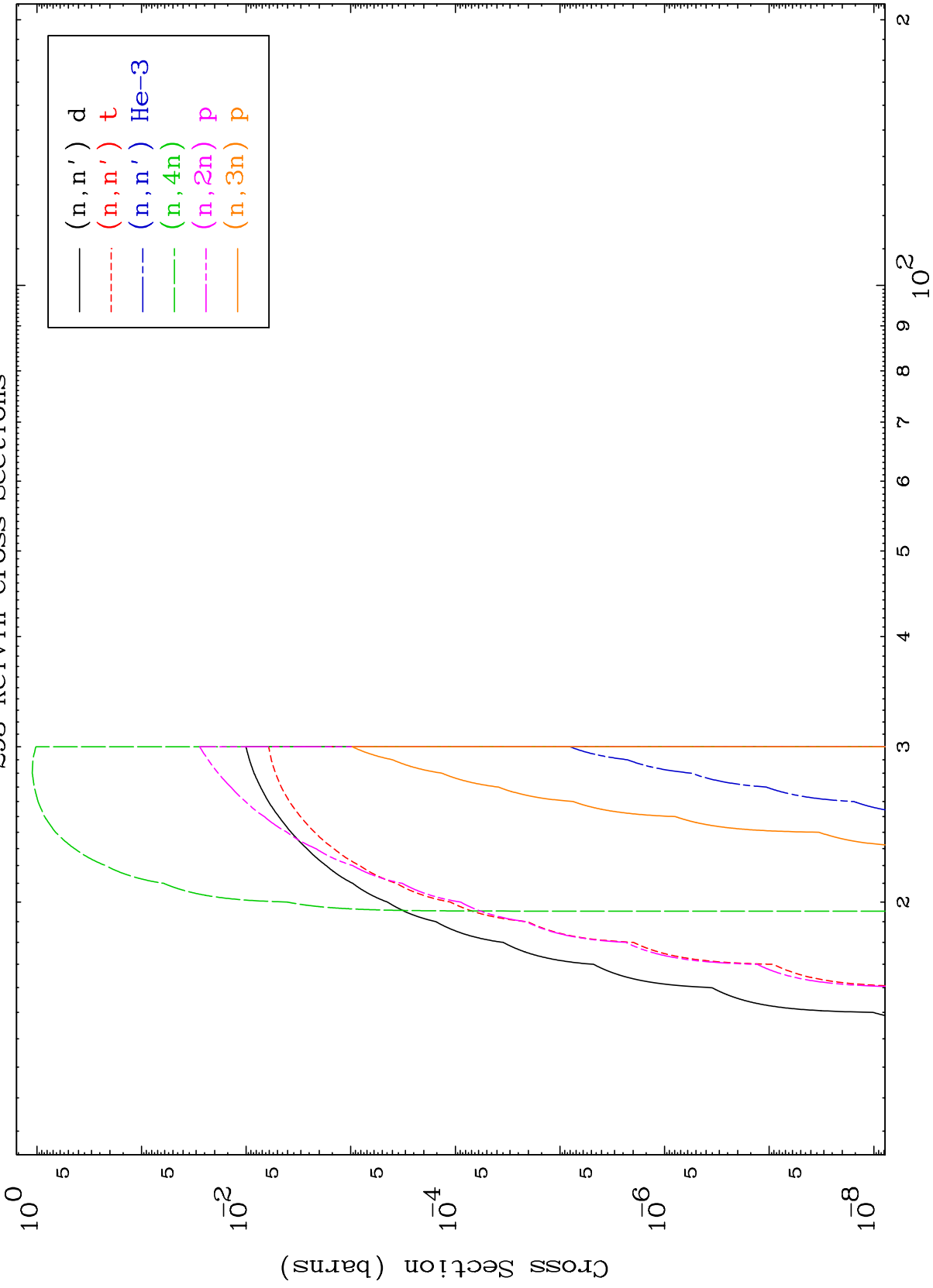
61-Pm-152

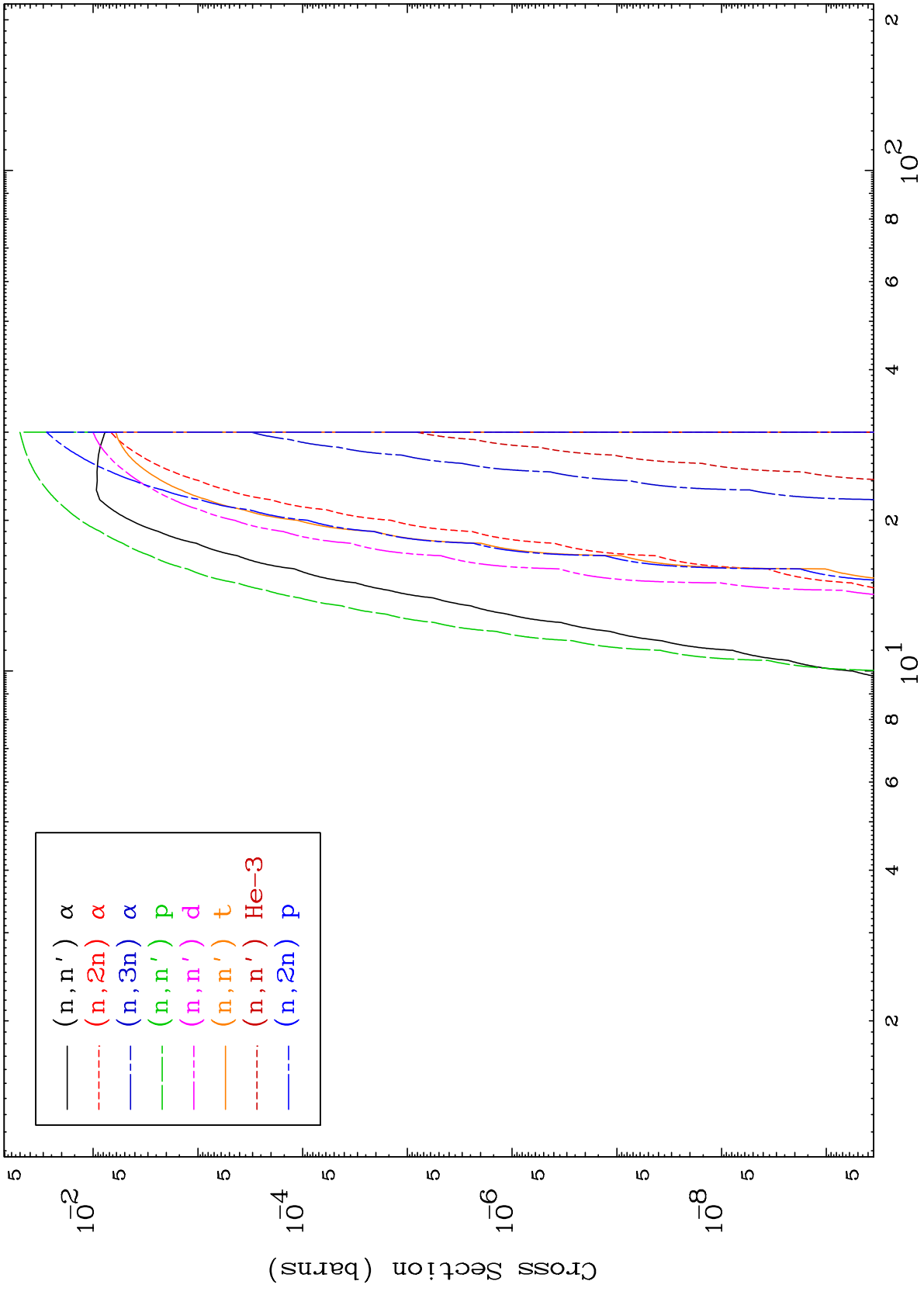


2

Incident Energy (MeV)

61-Pm-152

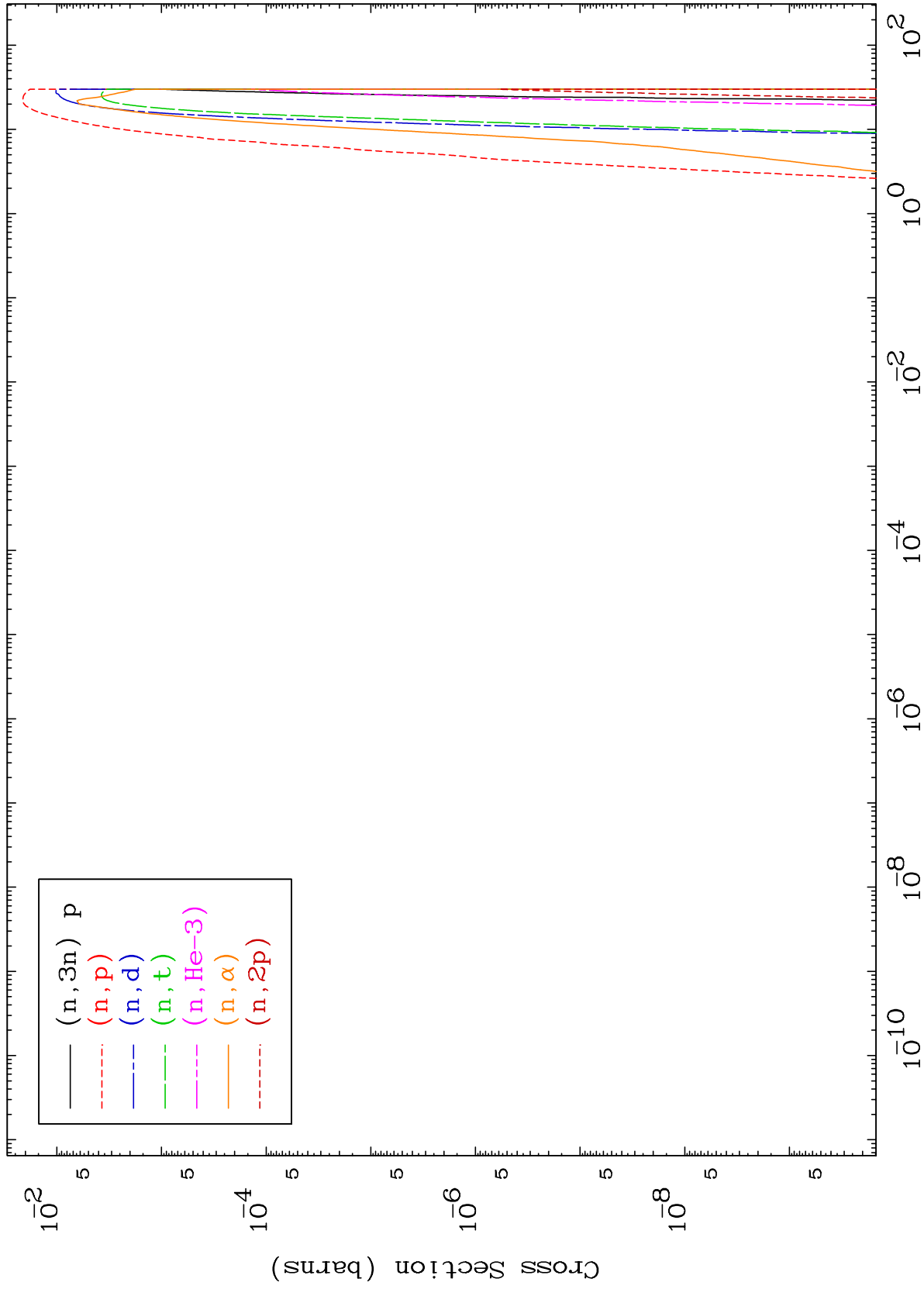




MAT 6164

Charged Particle  
293 Kelvin Cross Sections

61-Pm-152



5

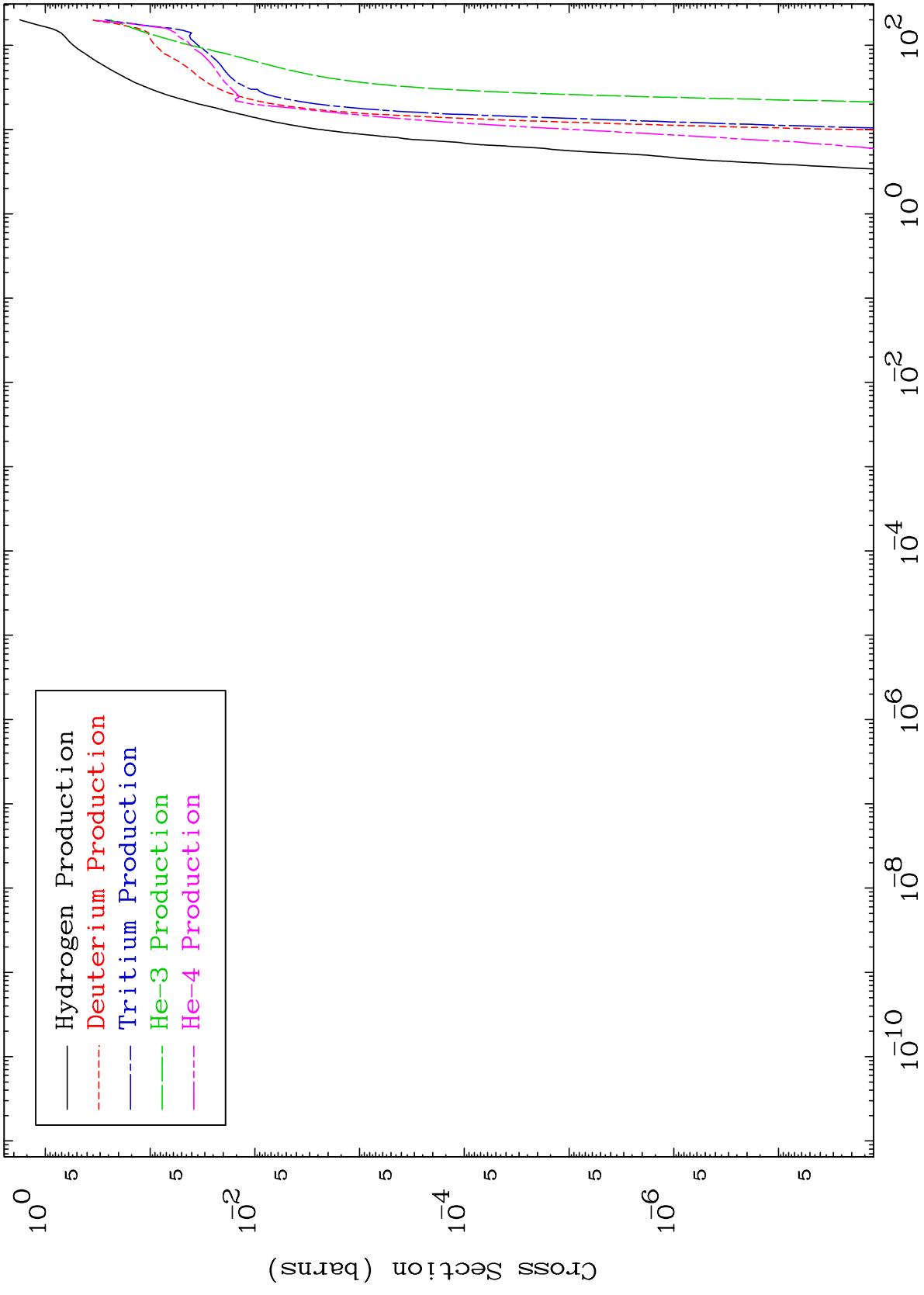
Incident Energy (MeV)

61-Pm-152

MAT 6164

Particle Production  
293 Kelvin Cross Sections

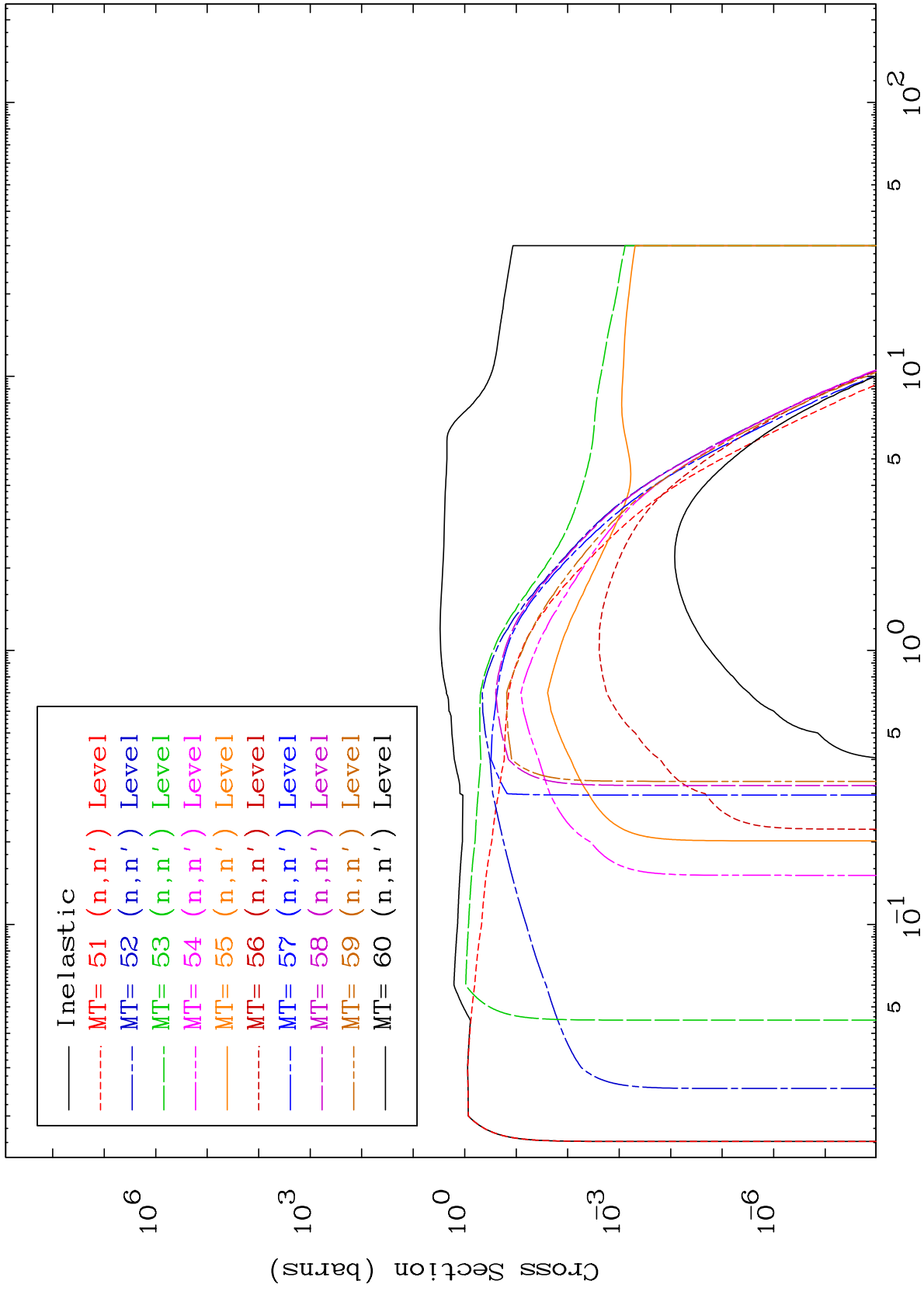
61-Pm-152



6

Incident Energy (MeV)

61-Pm-152



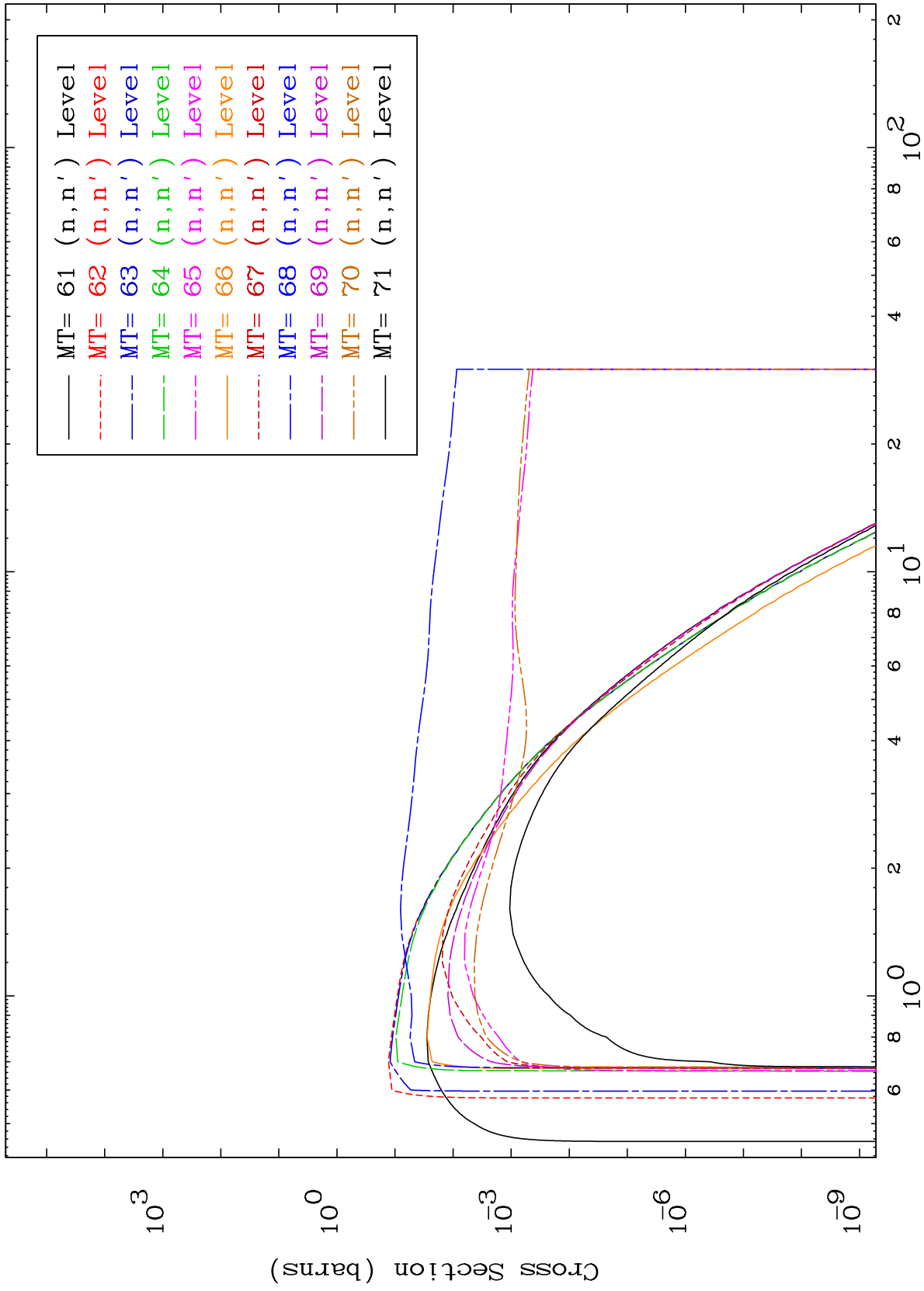


MAT 6164

(n,n') Level

61-Pm-152

293 Kelvin Cross Sections



8

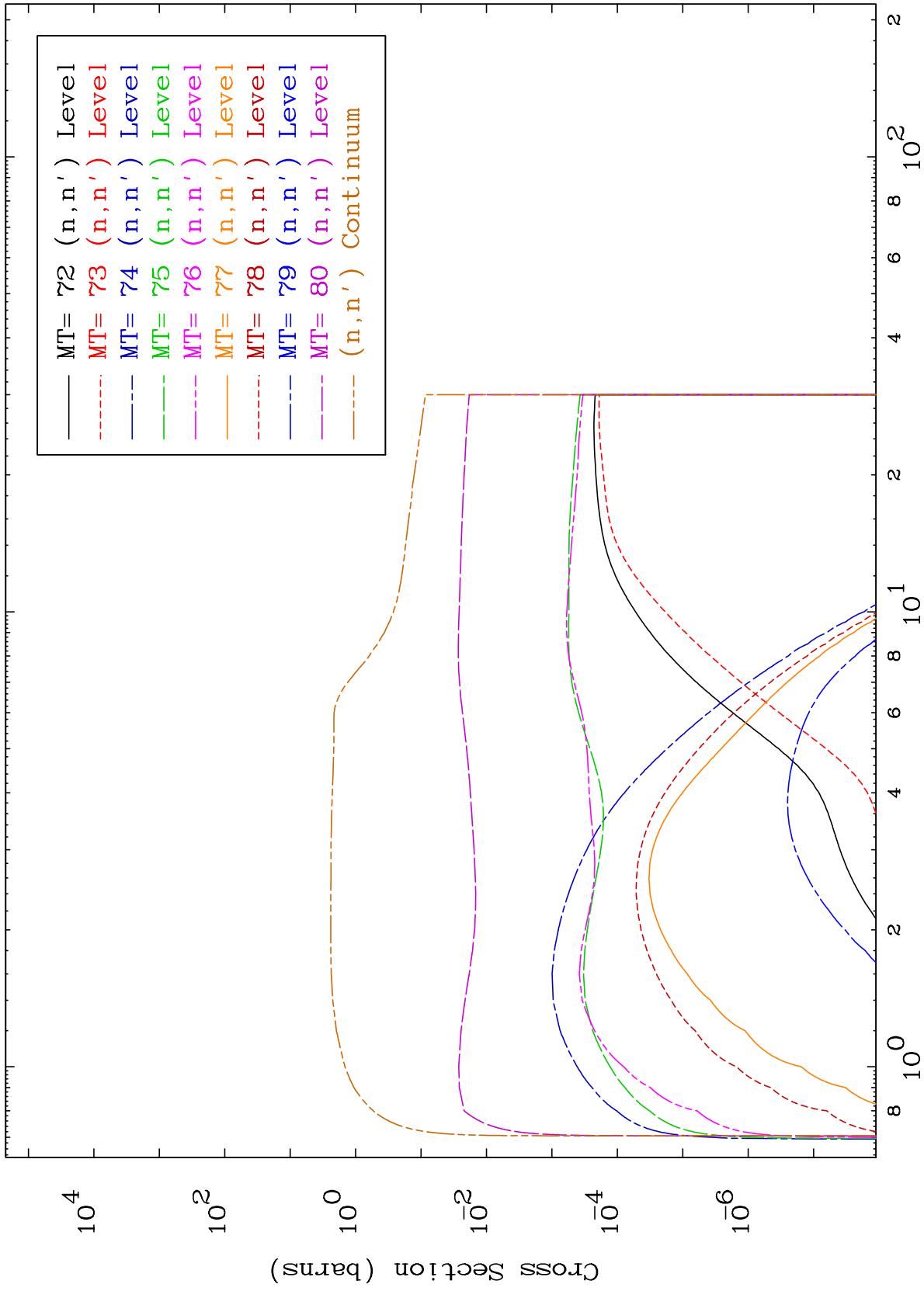
Incident Energy (MeV)

61-Pm-152

MAT 6164

(n,n') Level  
293 Kelvin Cross Sections

61-Pm-152



9

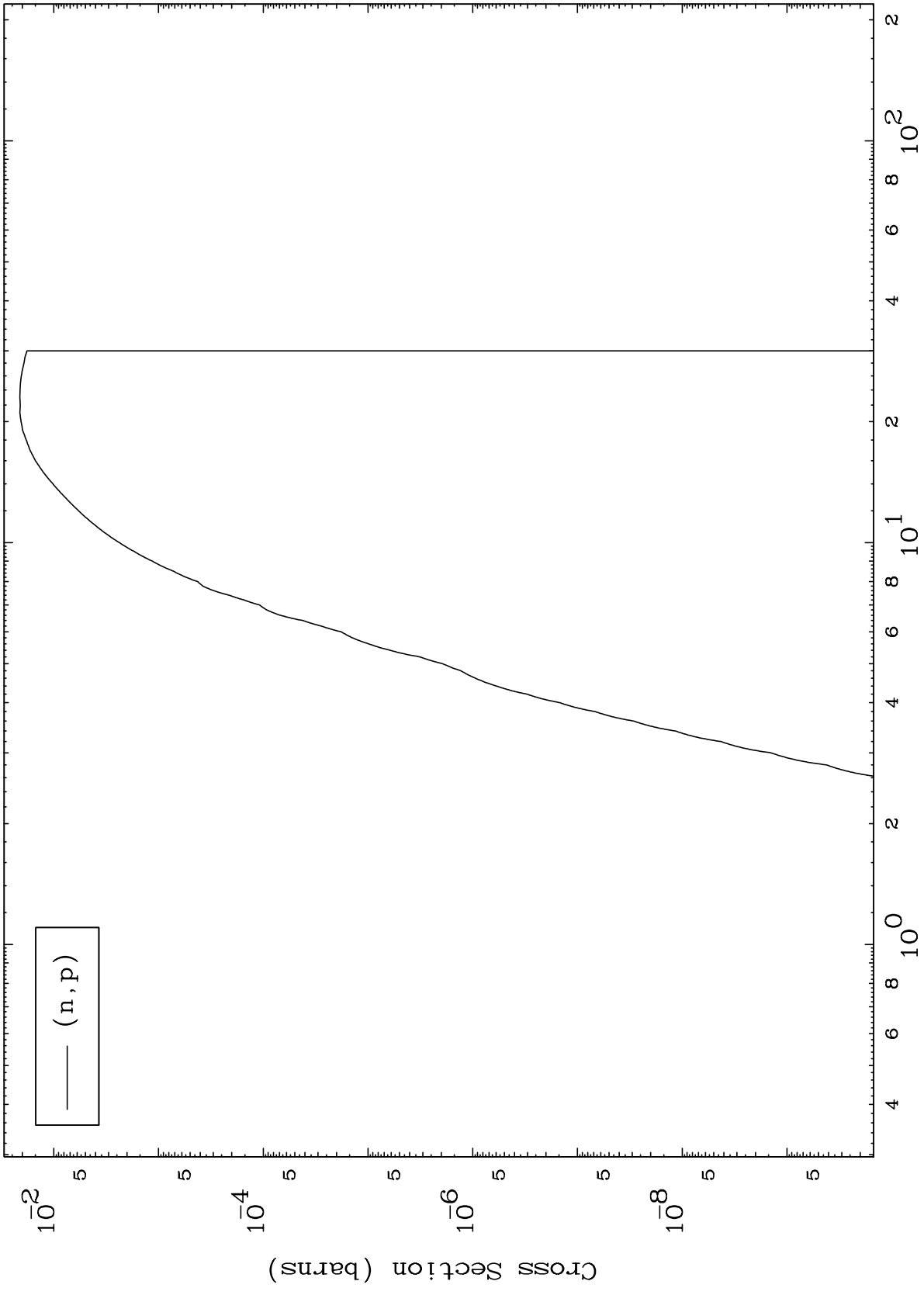
Incident Energy (MeV)

61-Pm-152

MAT 6164

(n,p) Levels  
293 Kelvin Cross Sections

61-Pm-152



10

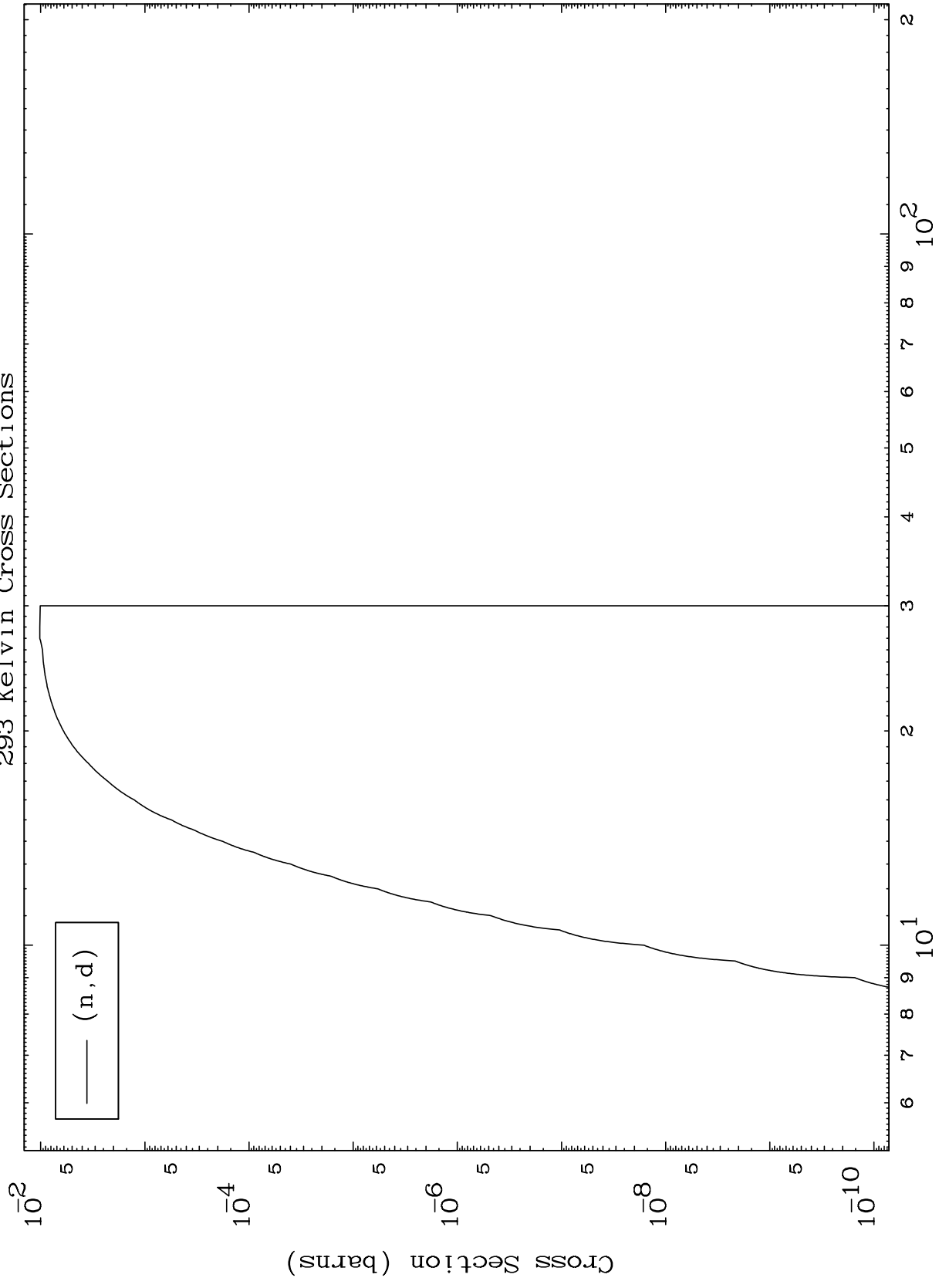
Incident Energy (MeV)

61-Pm-152

MAT 6164

(n,d) Levels  
293 Kelvin Cross Sections

61-Pm-152



11

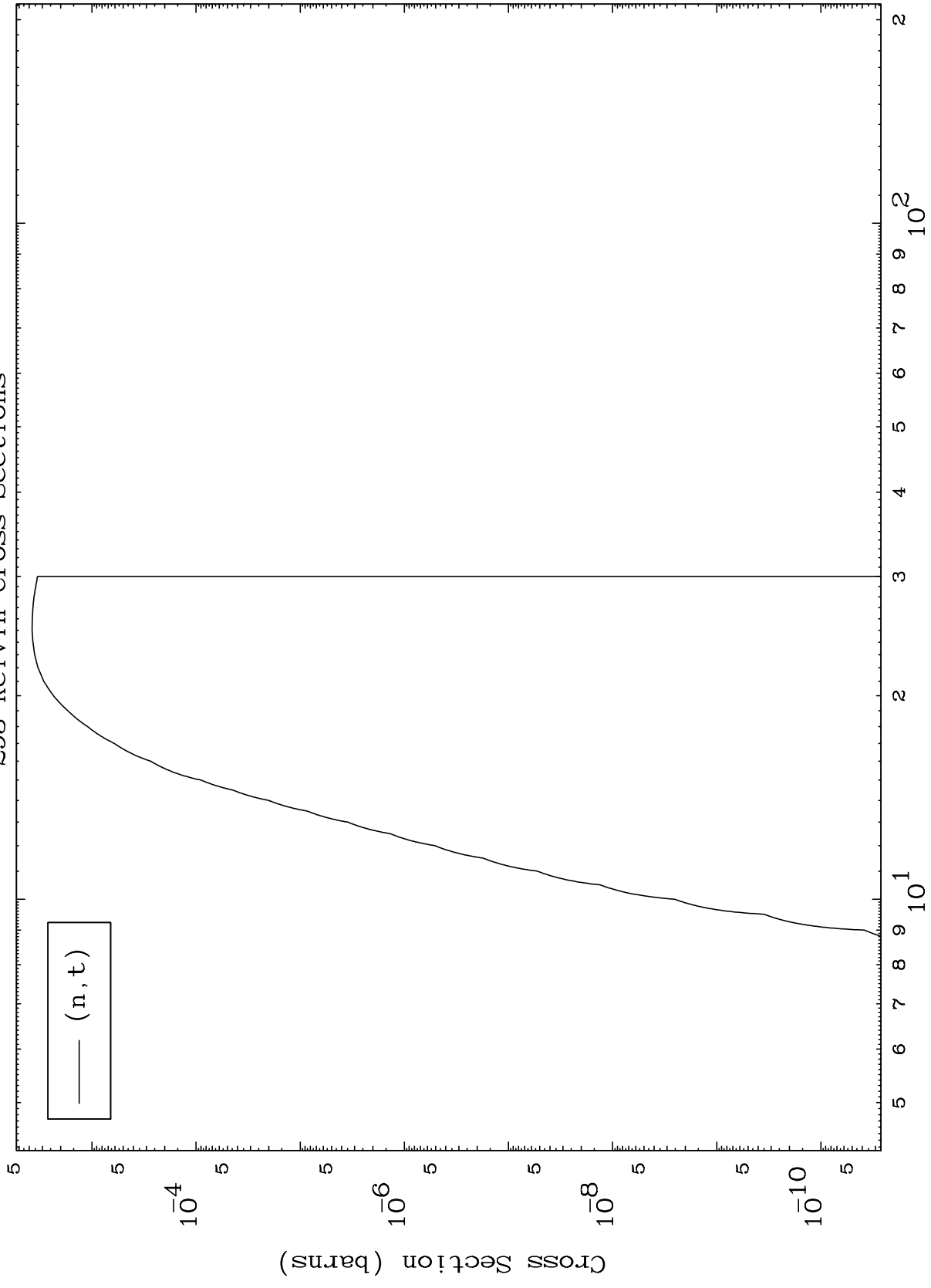
Incident Energy (MeV)

61-Pm-152

MAT 6164

(n,t) Levels  
293 Kelvin Cross Sections

61-Pm-152

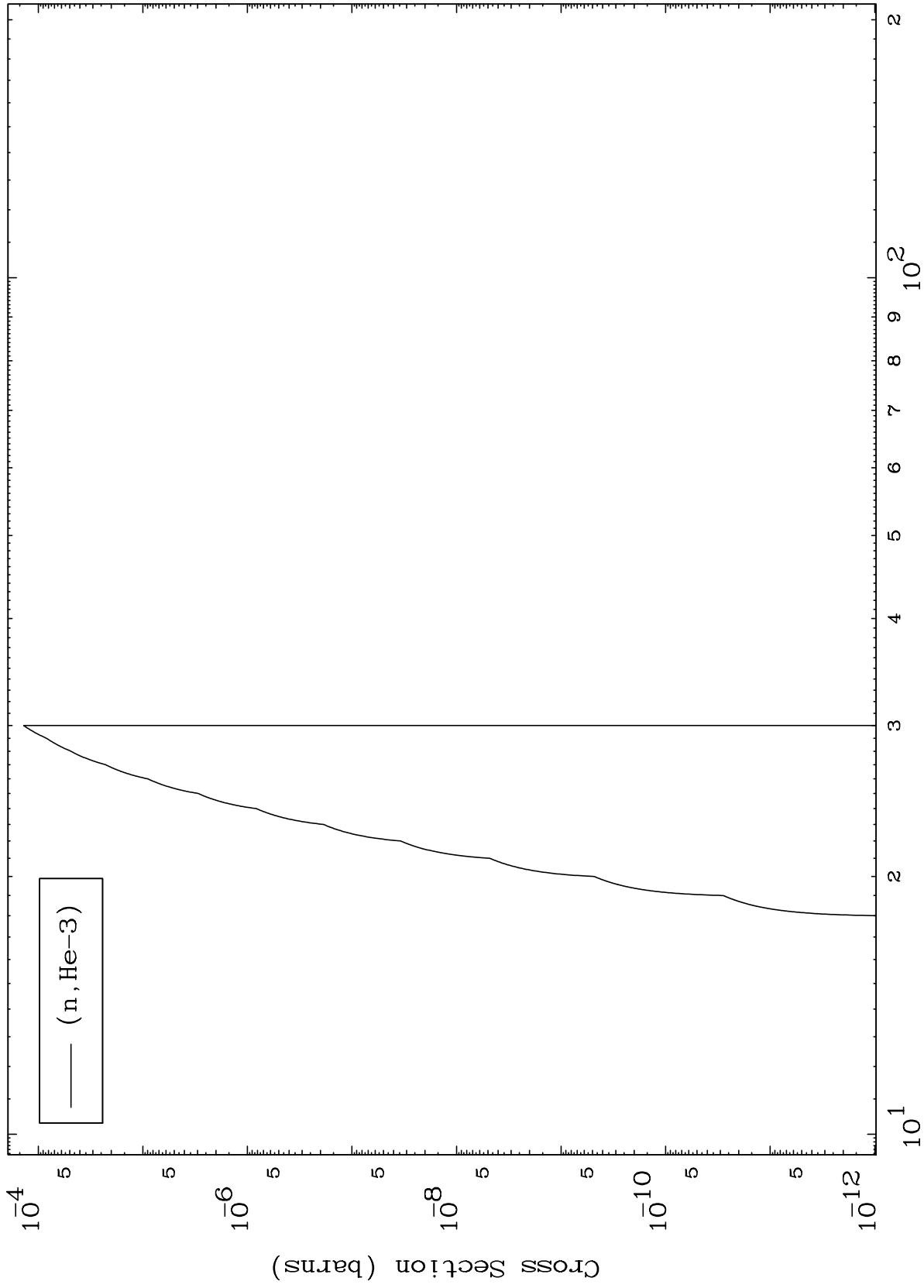


(n,t)

MAT 6164

(n,He3) Levels  
293 Kelvin Cross Sections

61-Pm-152



13

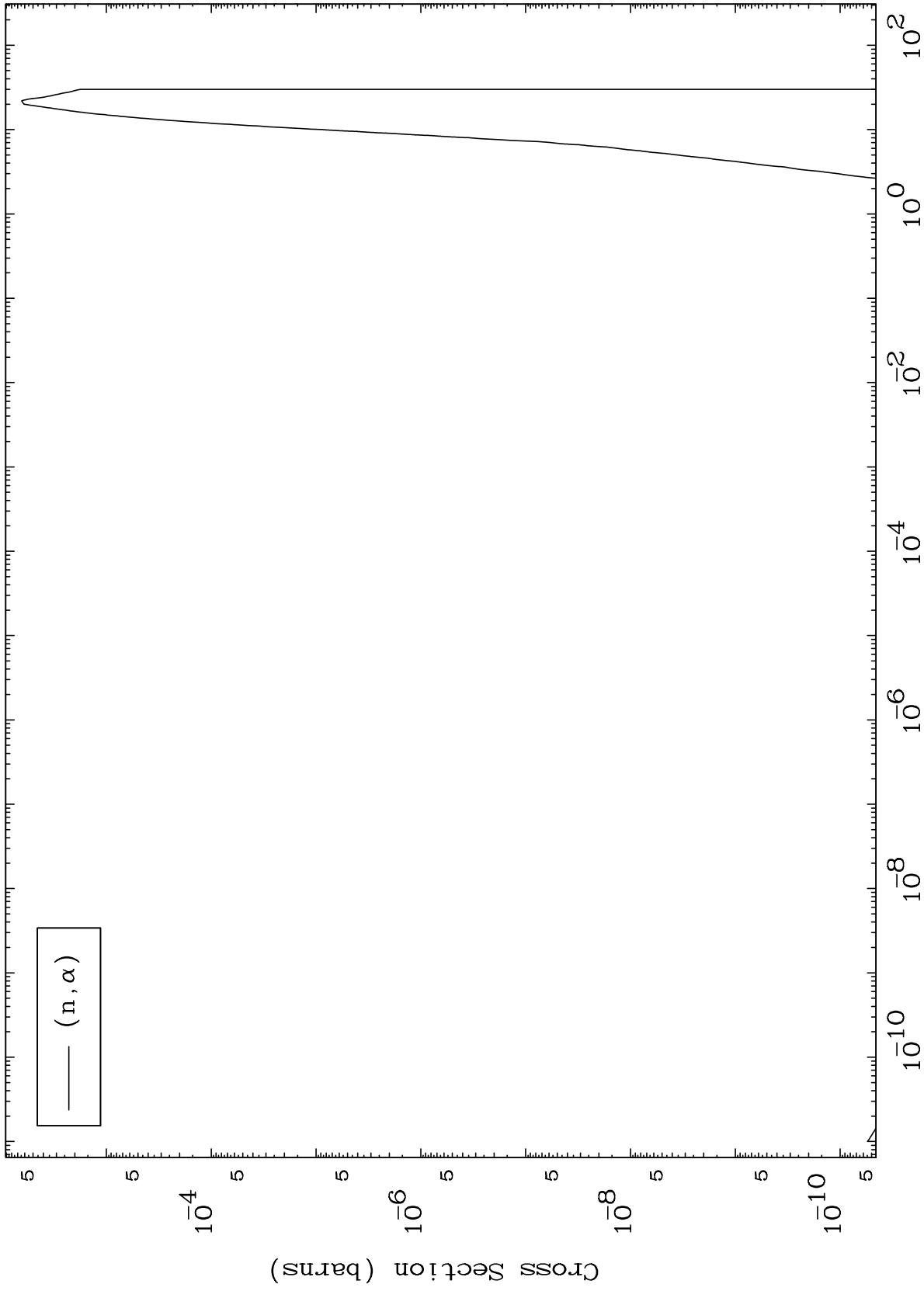
Incident Energy (MeV)

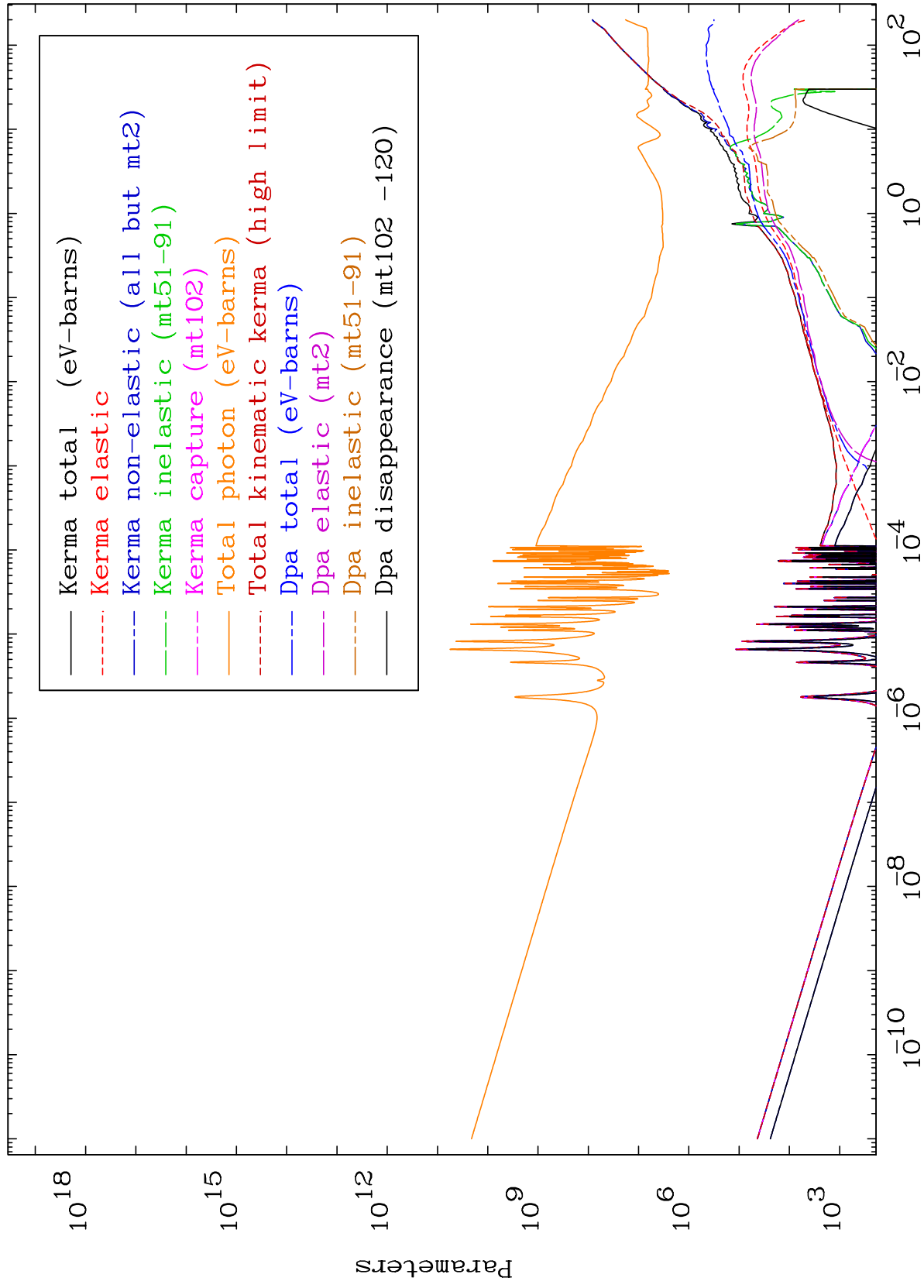
61-Pm-152

MAT 6164

(n,α) Levels  
293 Kelvin Cross Sections

61-Pm-152



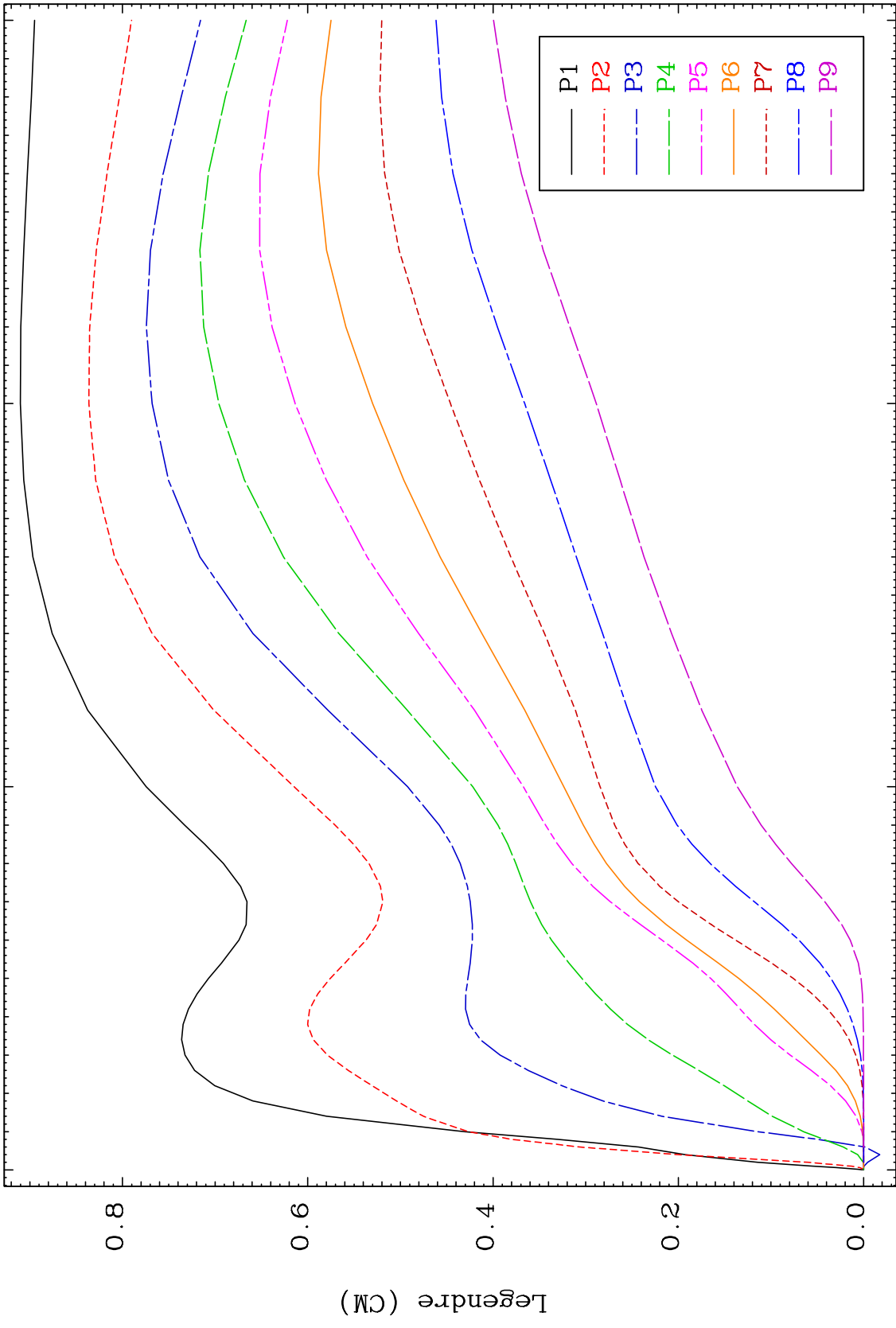




MAT 6164

Elastic Legendre Coefficients

61-Pm-152



16

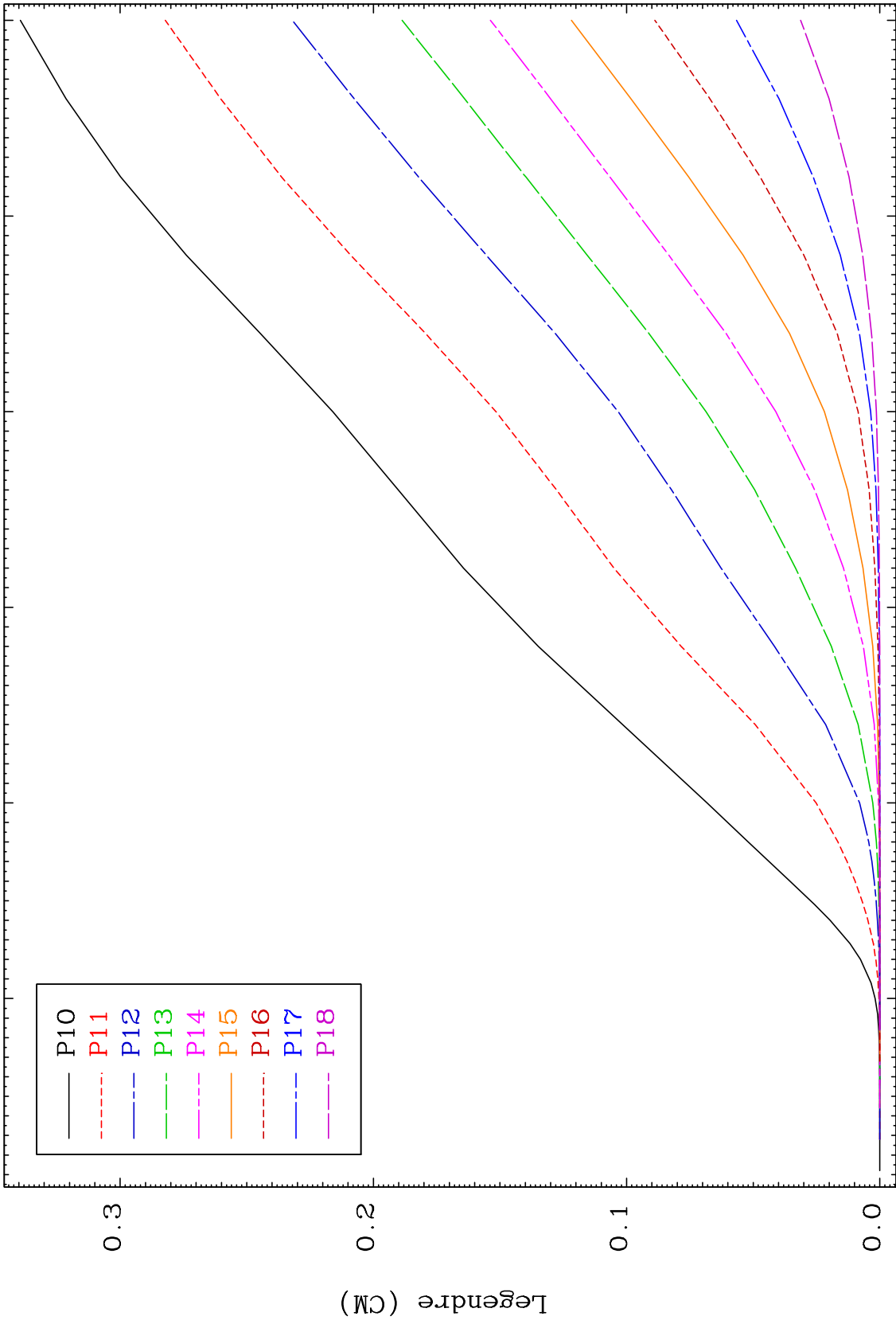
Incident Energy (MeV)

61-Pm-152

MAT 6164

Elastic Legendre Coefficients

61-Pm-152



17

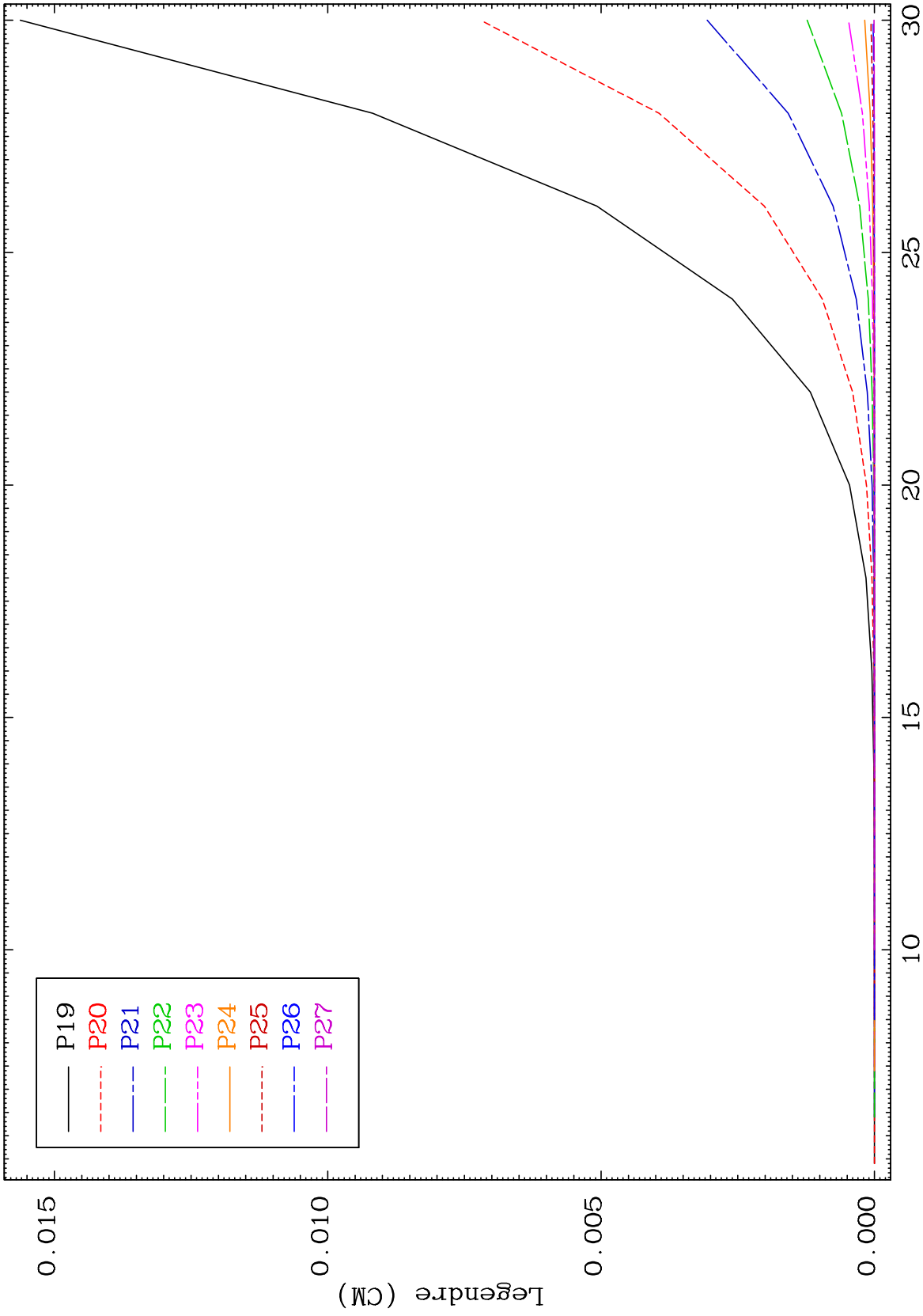
Incident Energy (MeV)

61-Pm-152

MAT 6164

### Elastic Legendre Coefficients

61-Pm-152



18

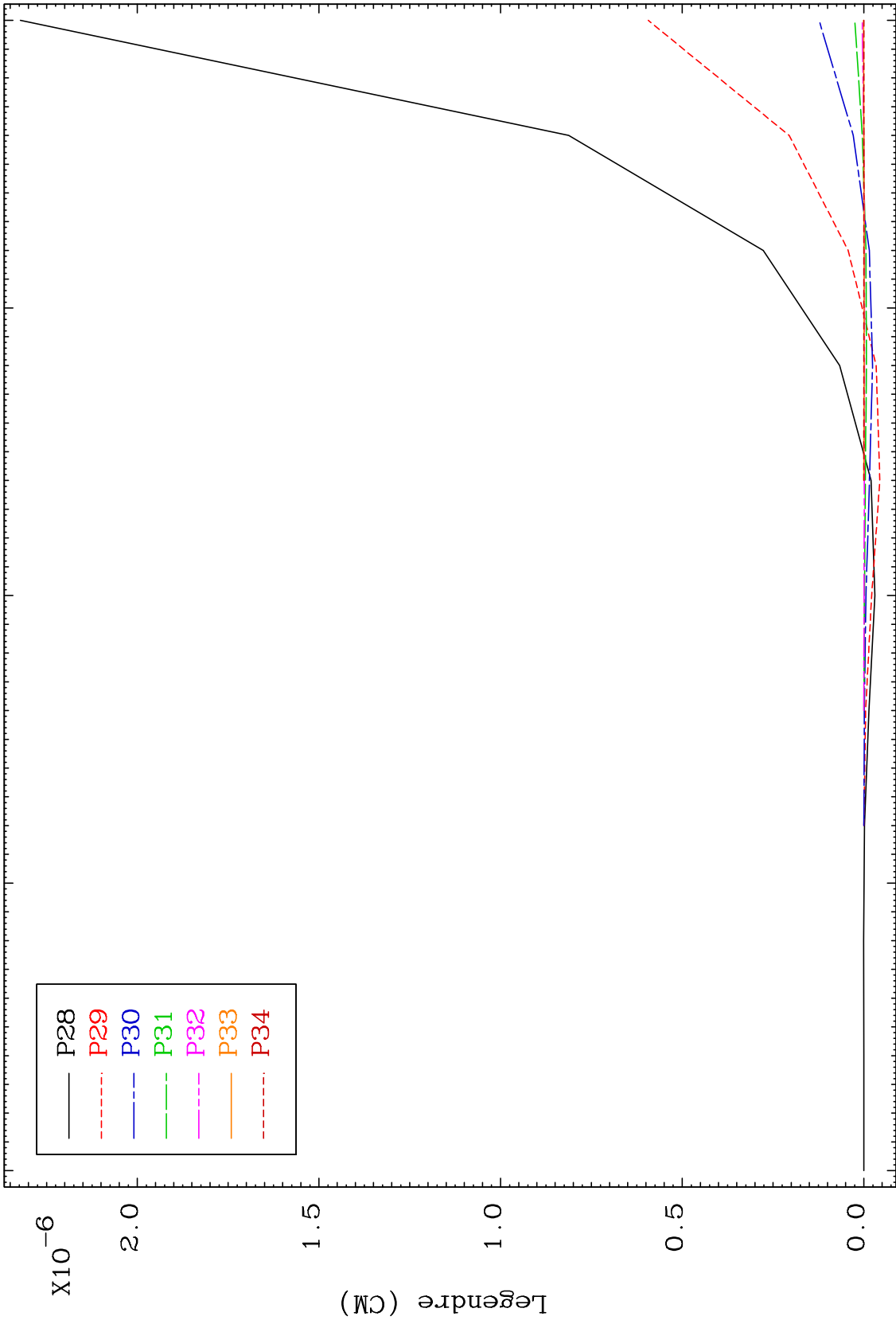
Incident Energy (MeV)

61-Pm-152

MAT 6164

Elastic Legendre Coefficients

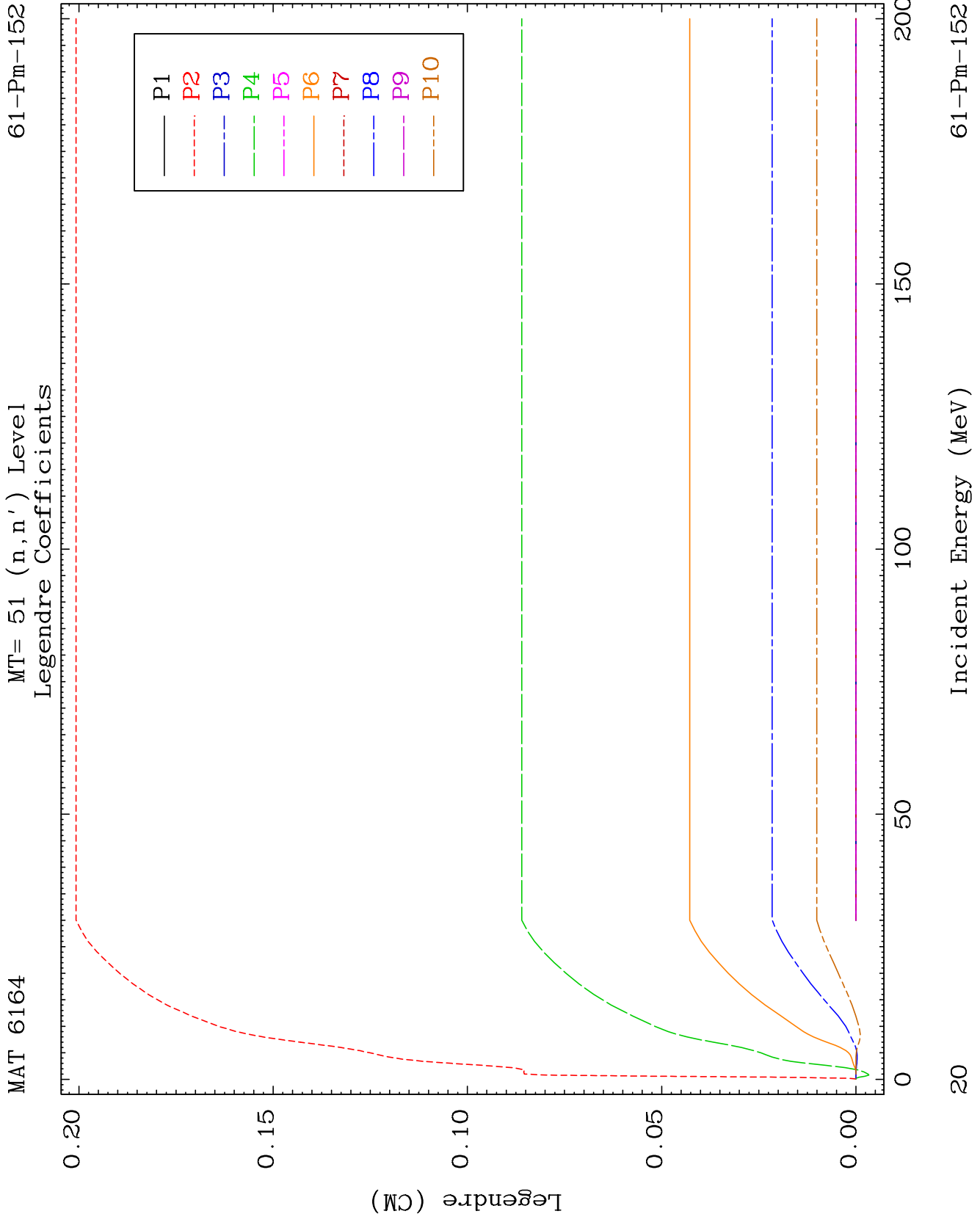
61-Pm-152



19

Incident Energy (MeV)

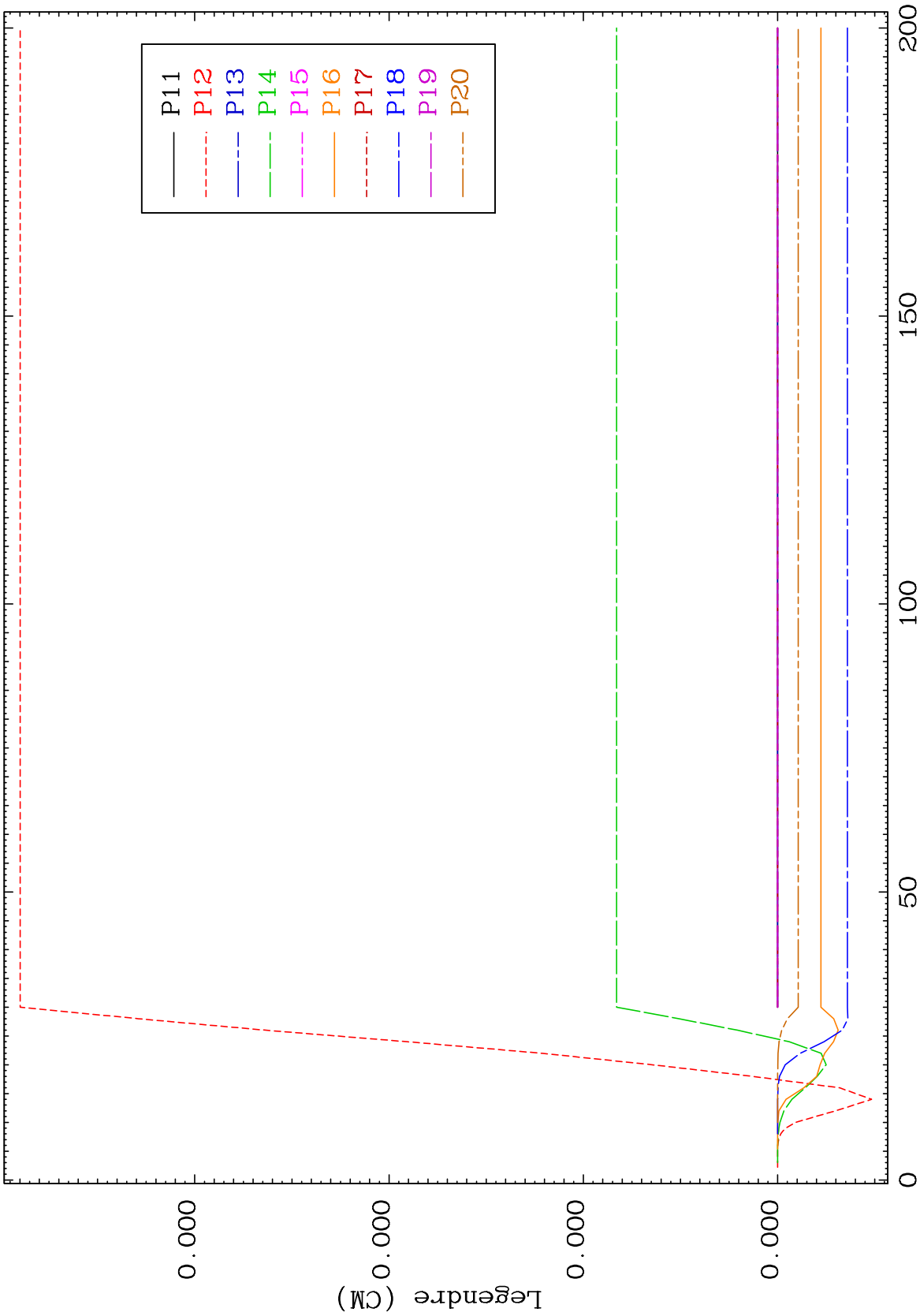
61-Pm-152



MAT 6164

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

61-Pm-152



21

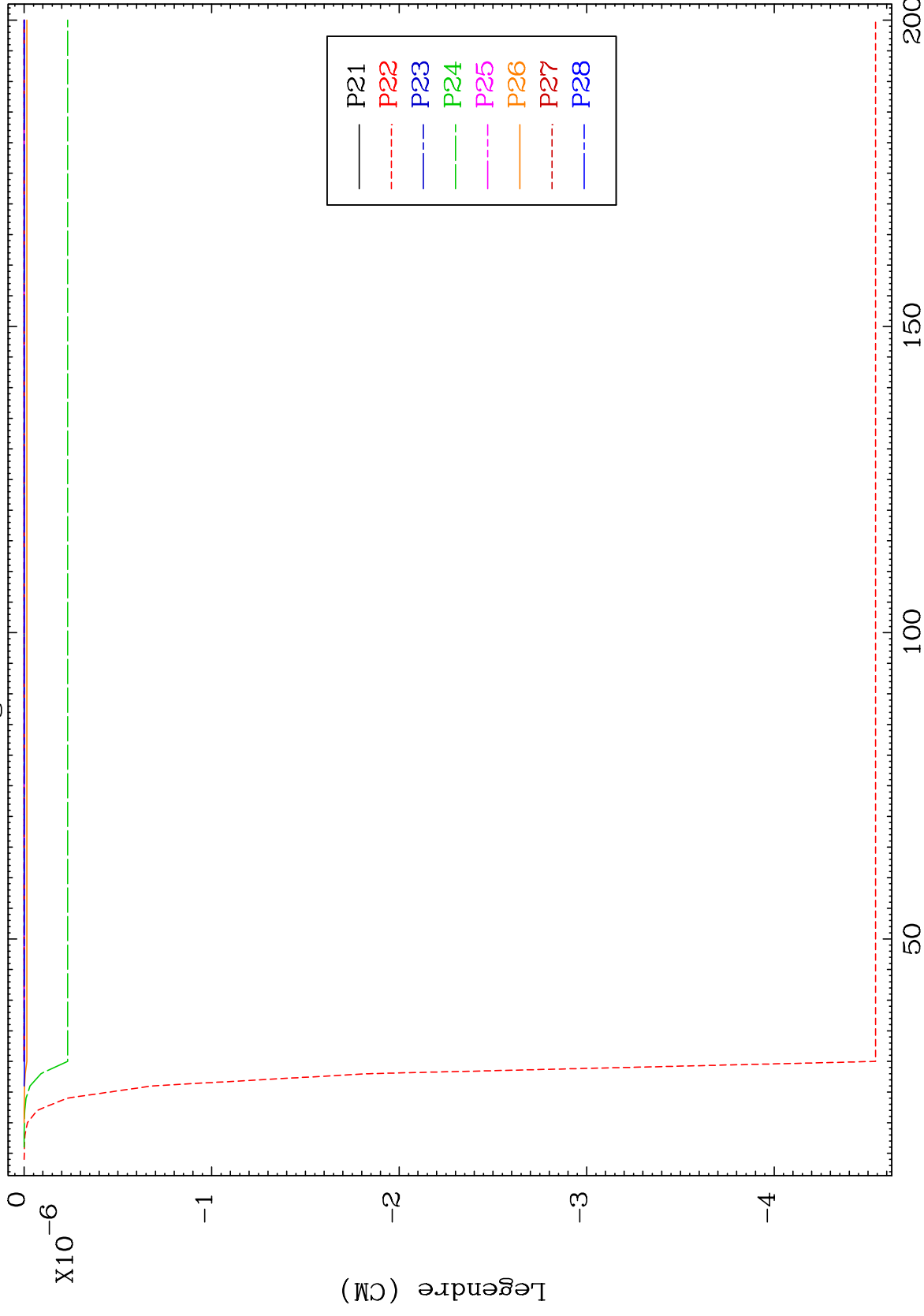
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



61-Pm-152

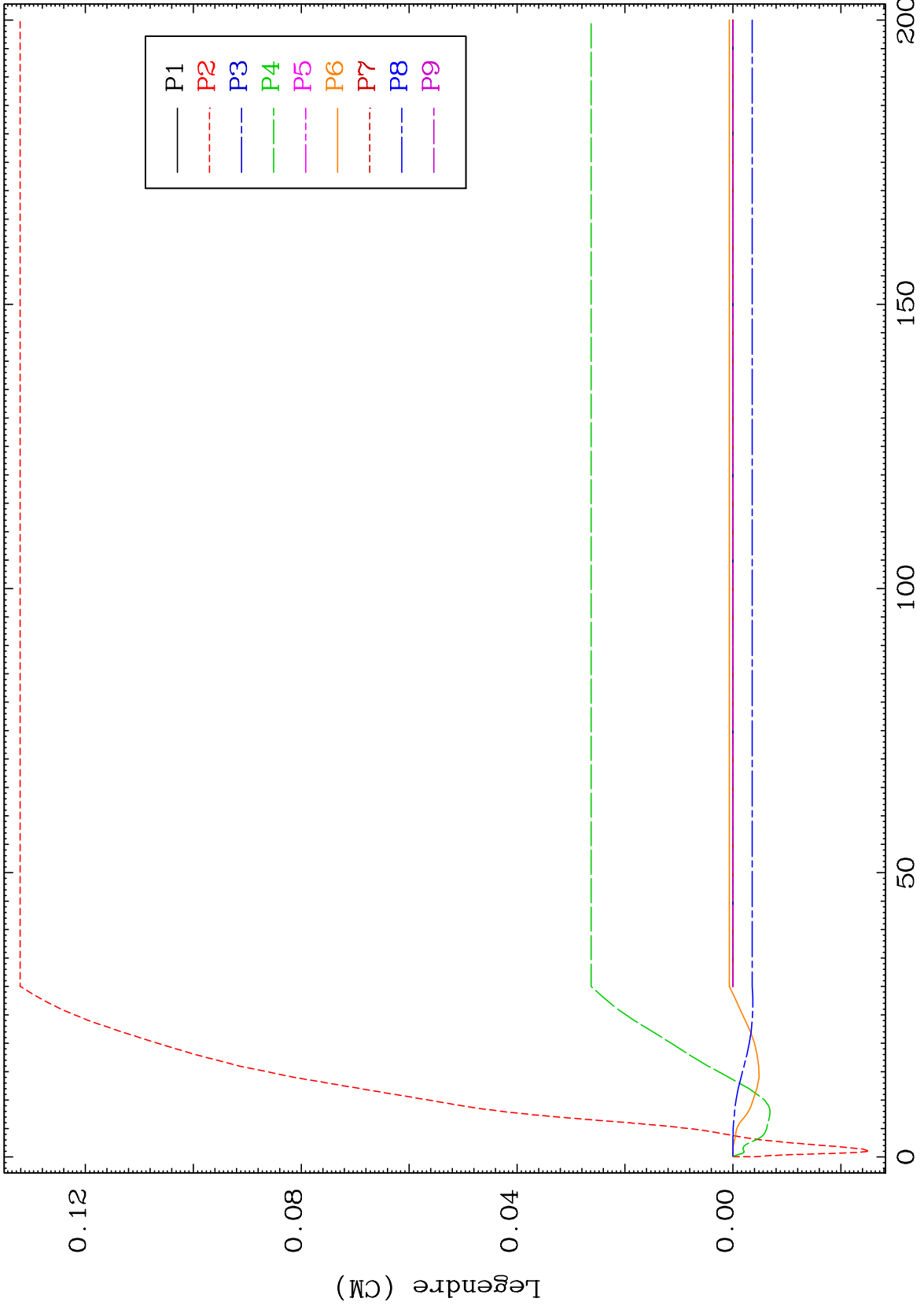
Incident Energy (MeV)

22

MAT 6164

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

61-Pm-152



23

Incident Energy (MeV)

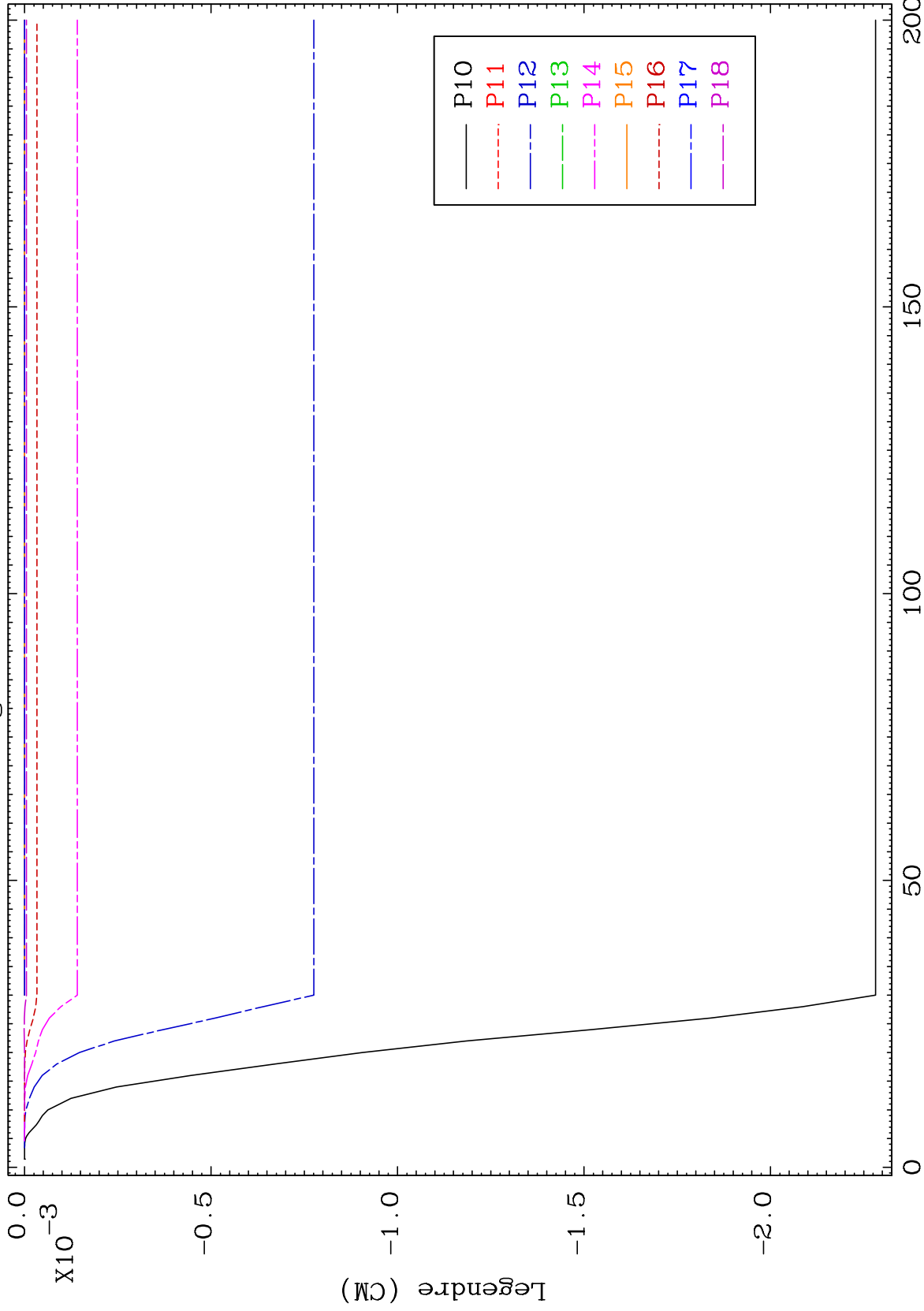
61-Pm-152



MAT 6164

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

61-Pm-152



24

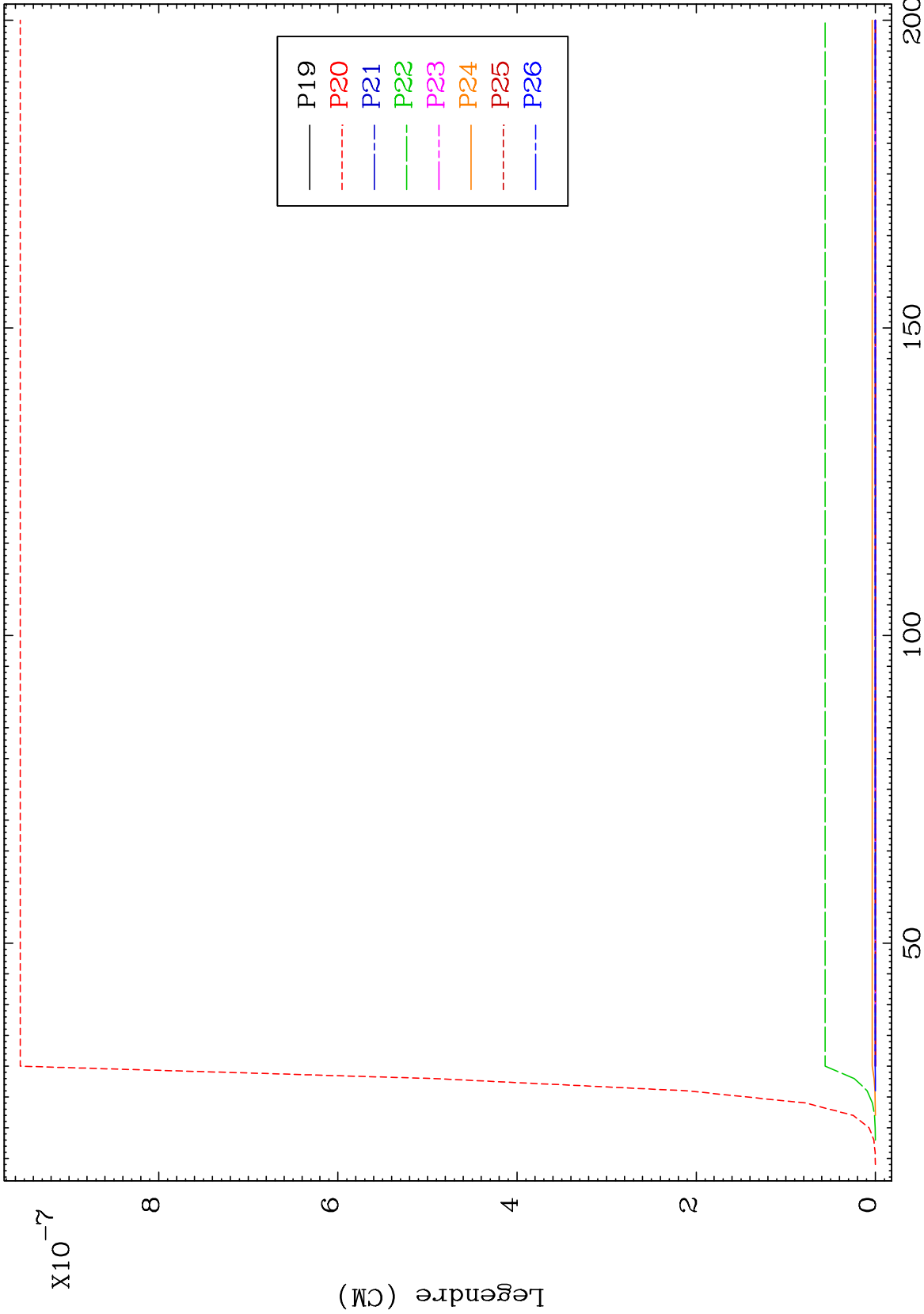
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



25

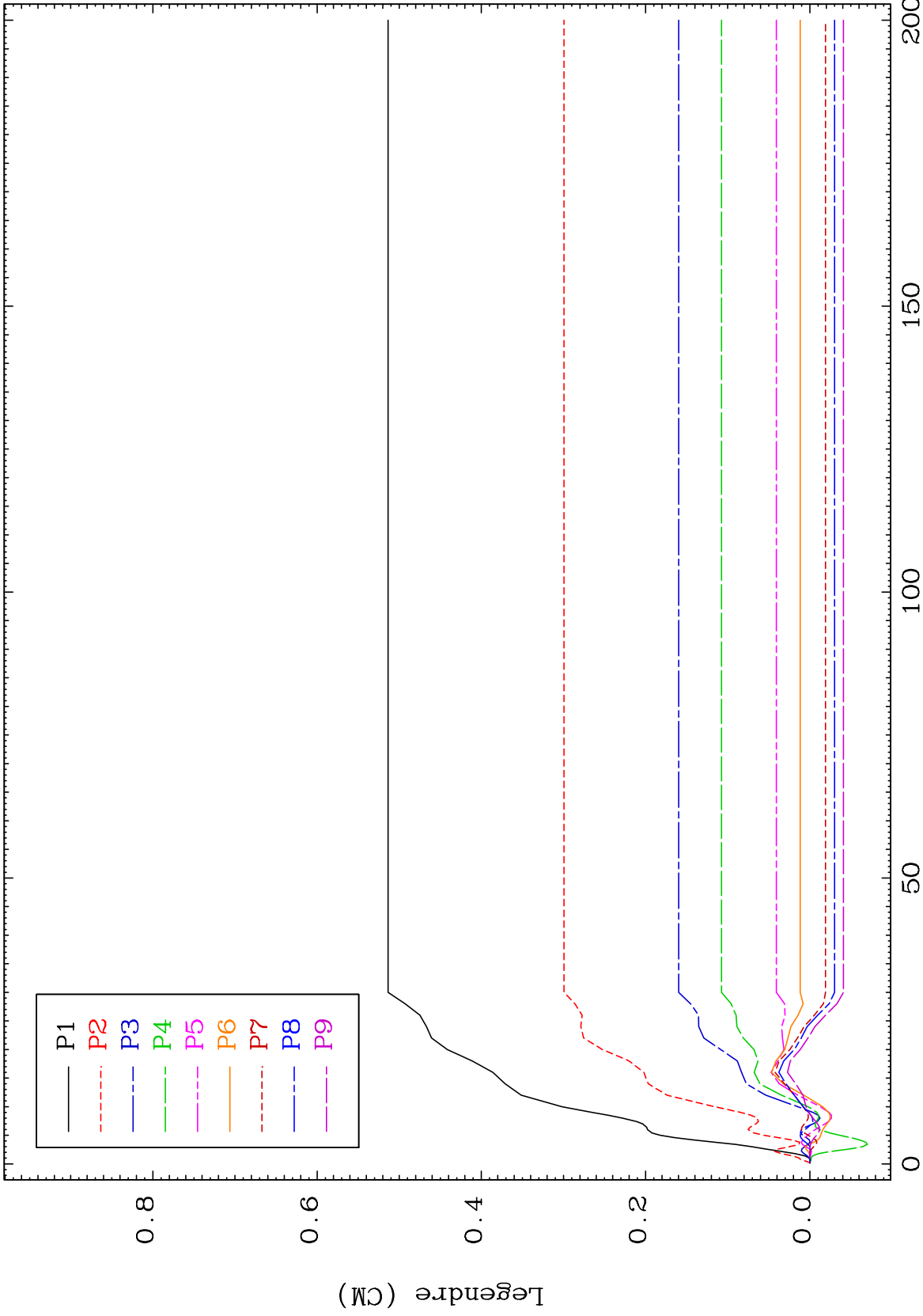
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



26

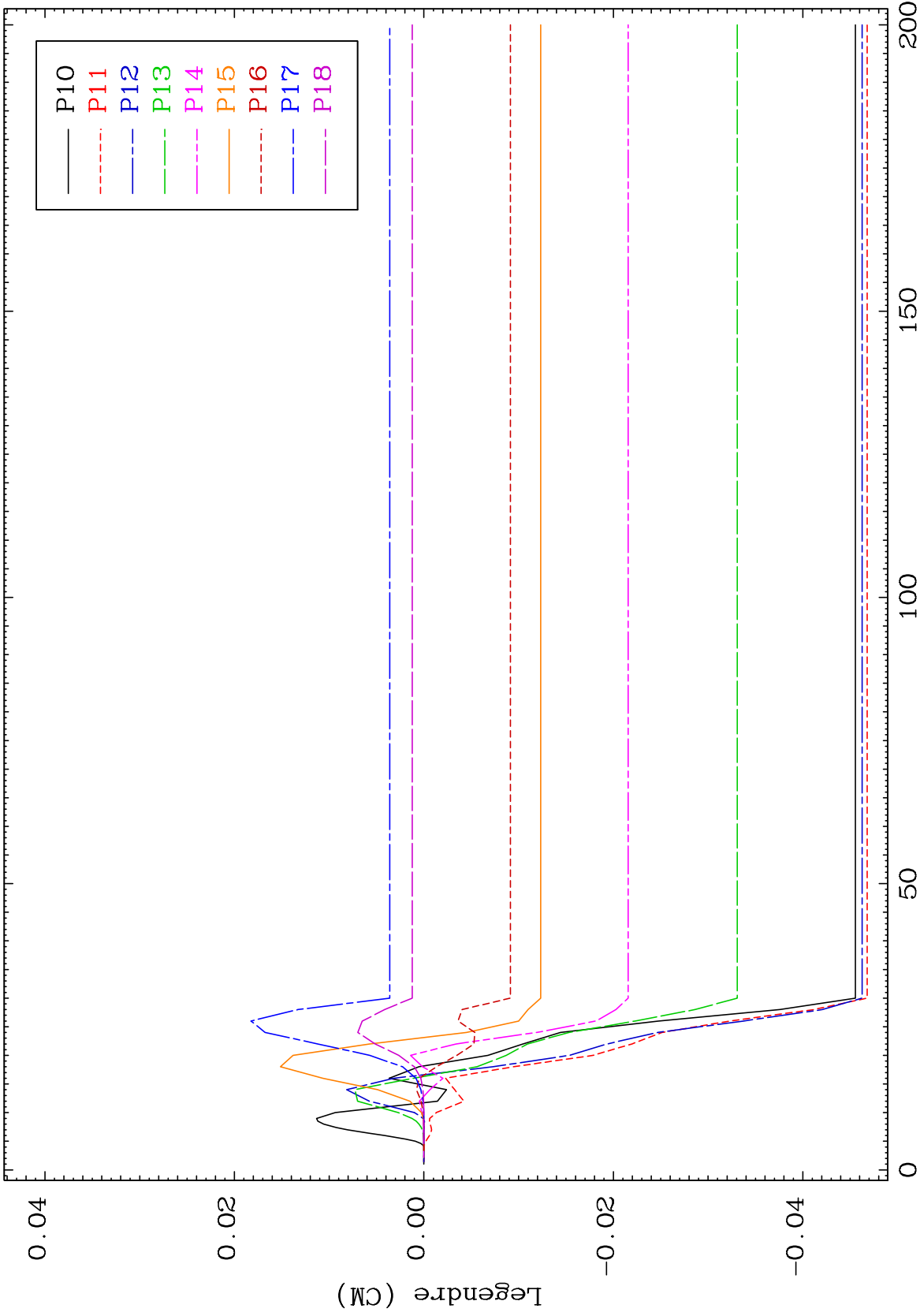
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



27

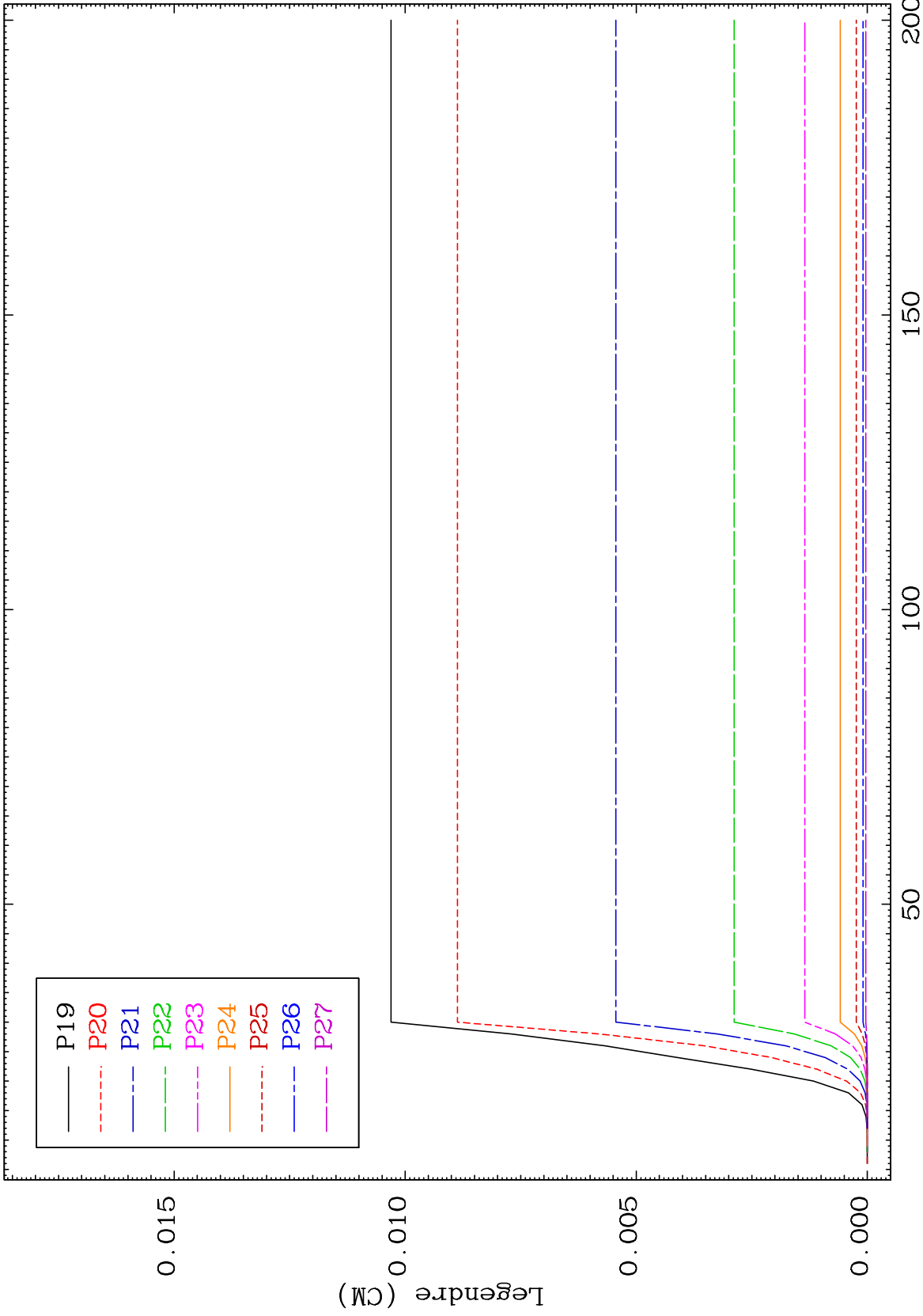
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



28

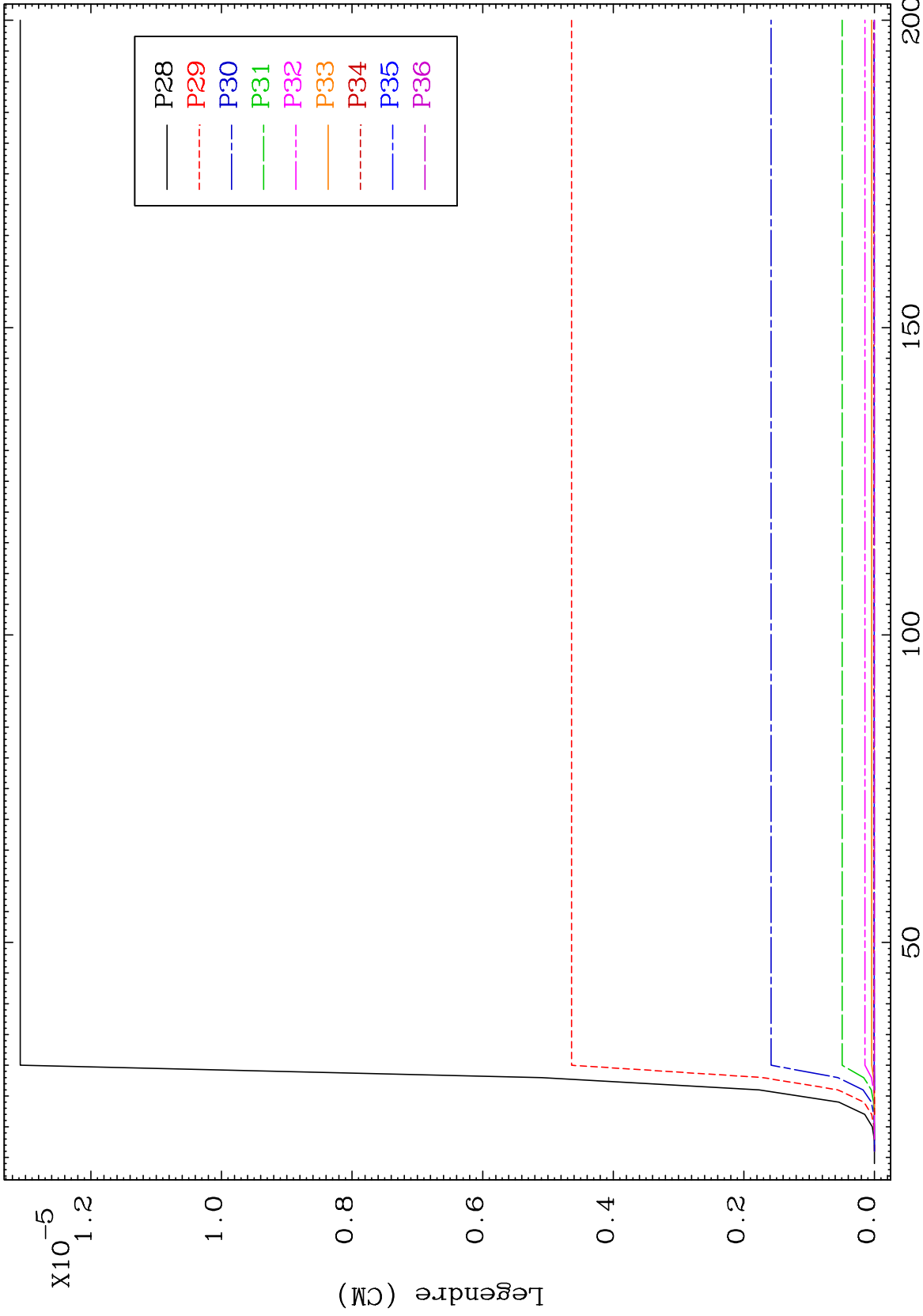
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

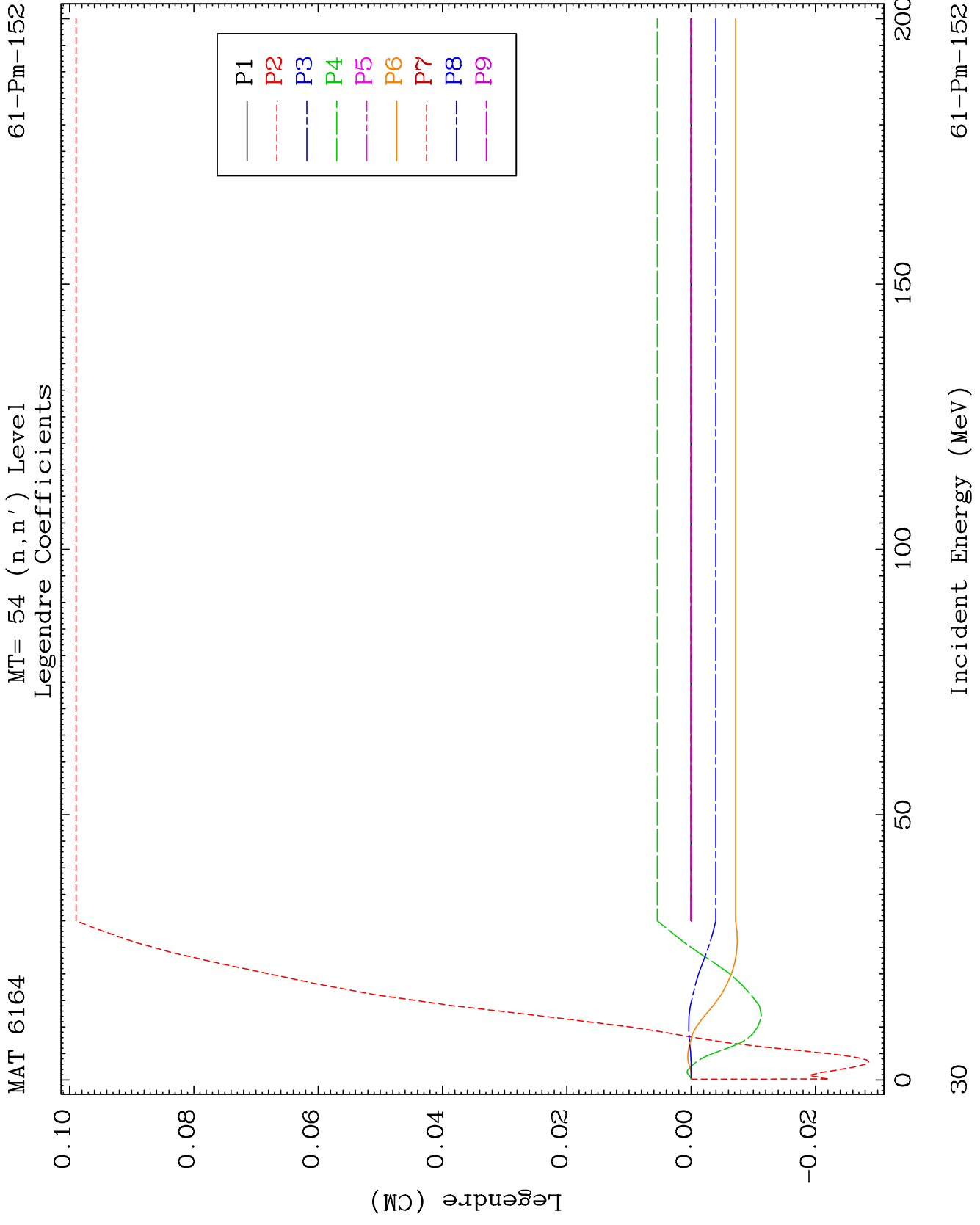
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29

Incident Energy (MeV)

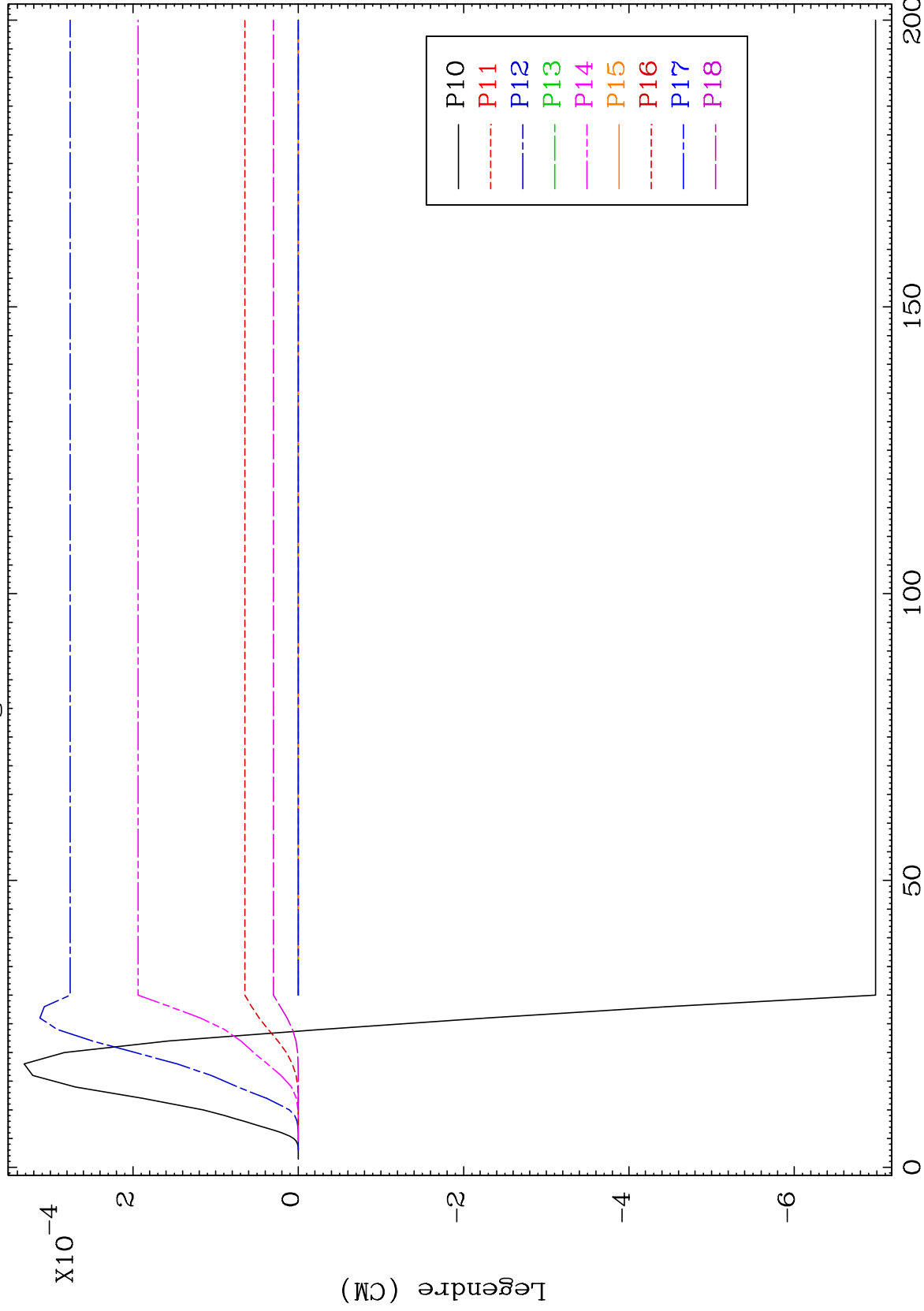
61-Pm-152



MAT 6164

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

61-Pm-152



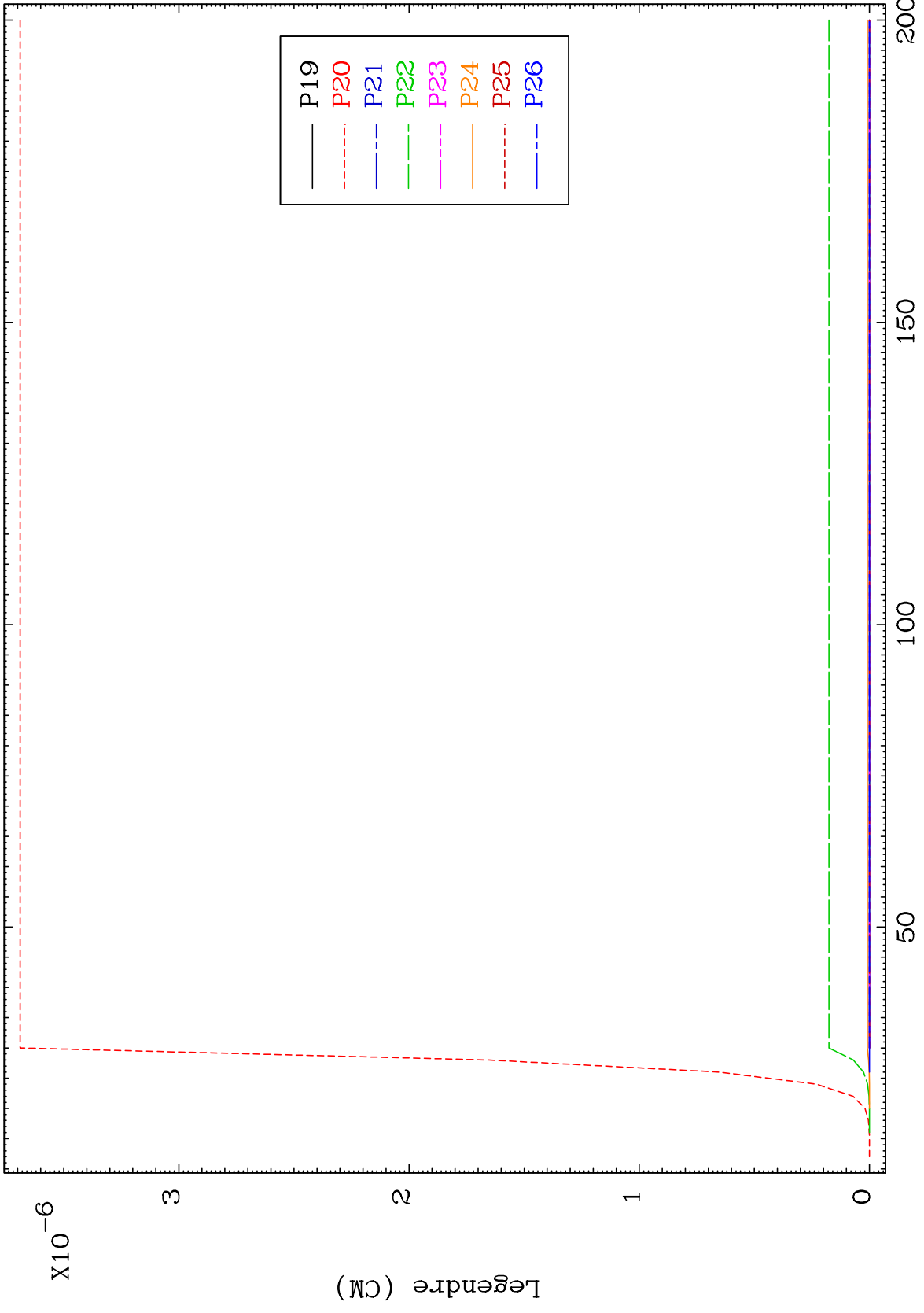
31

Incident Energy (MeV)

61-Pm-152



MAT 6164 MT= 54 (n,n') Level Legendre Coefficients 61-Pm-152

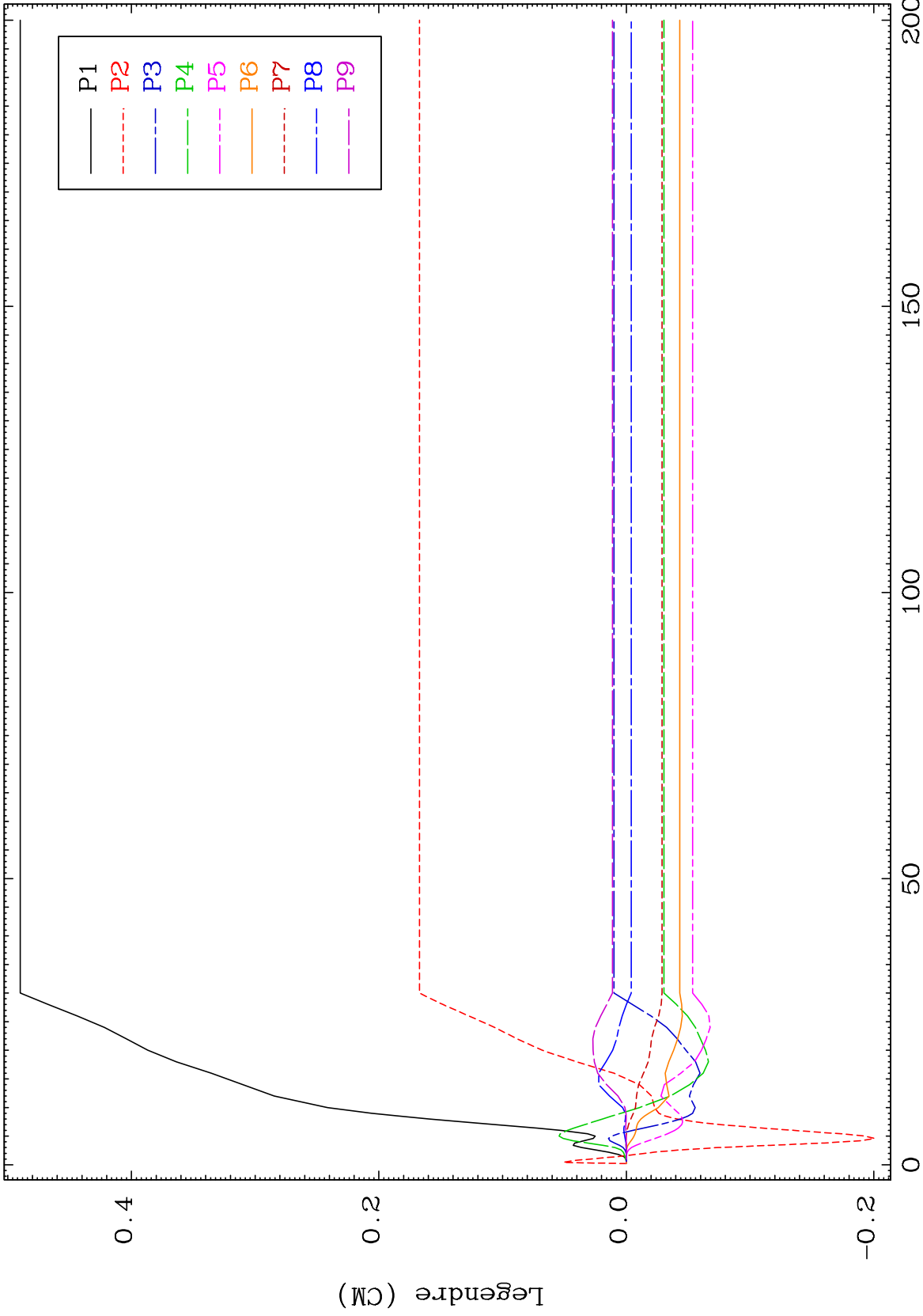


32 Incident Energy (MeV) 61-Pm-152

MAT 6164

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

61-Pm-152



33

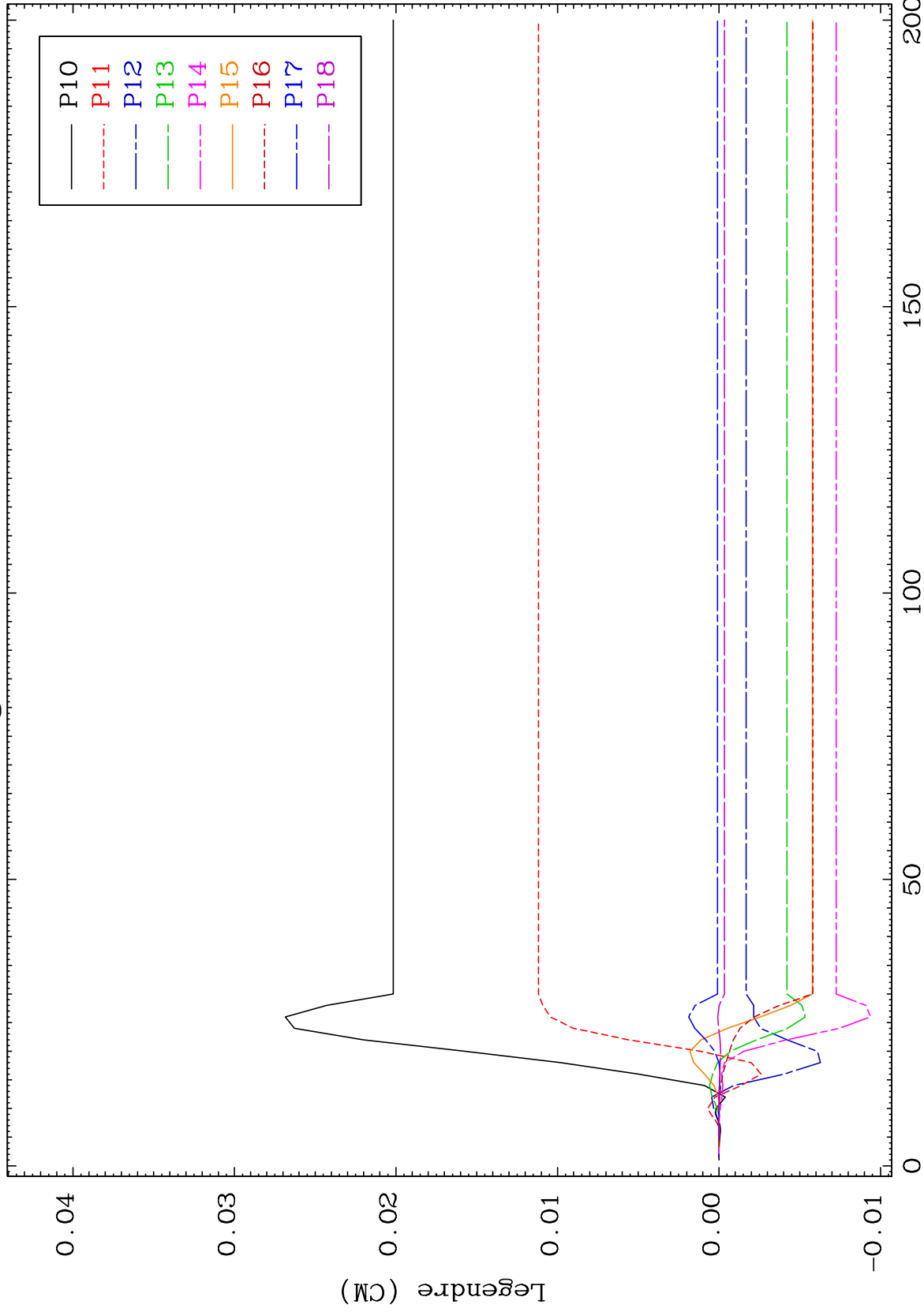
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



34

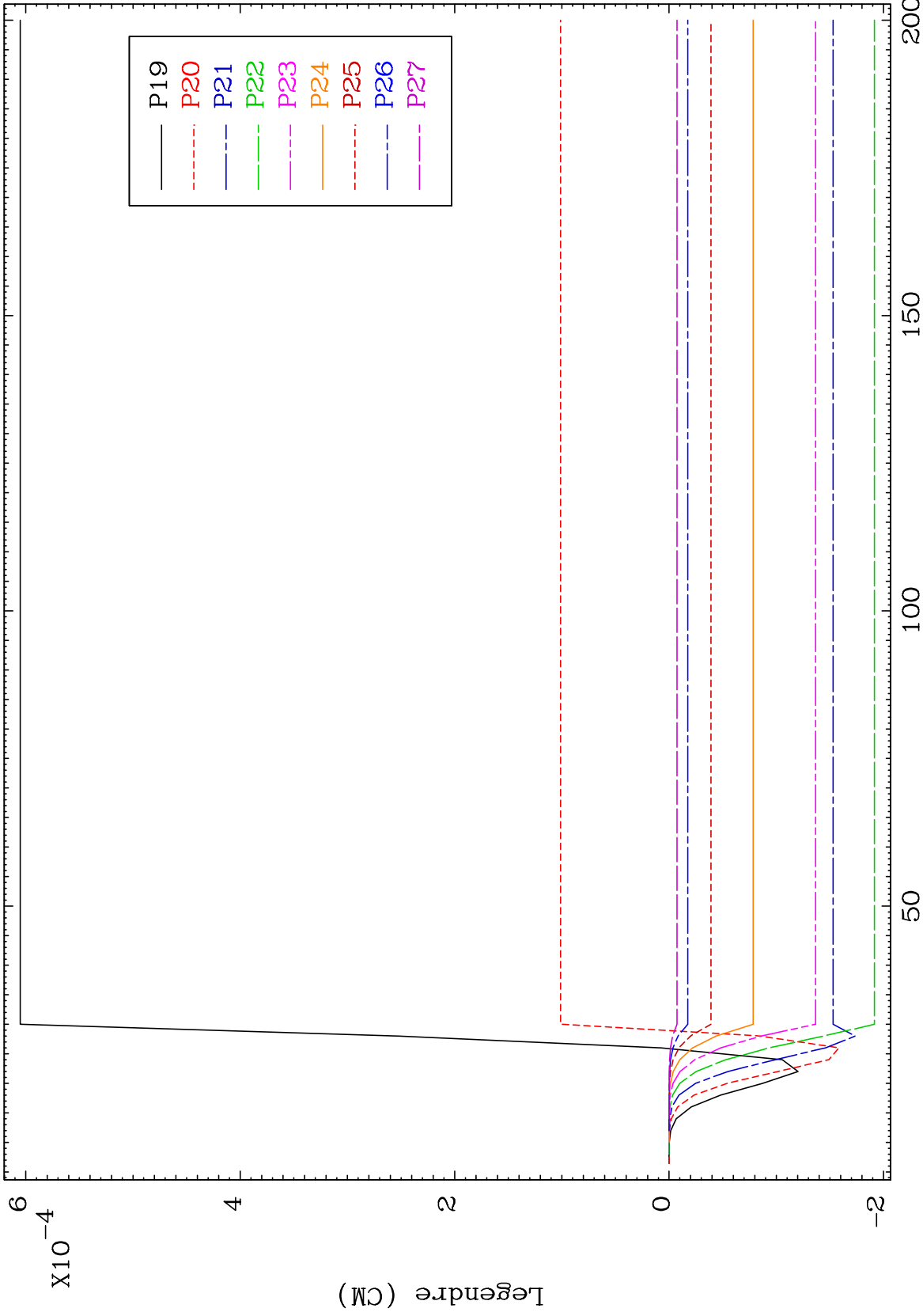
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



35

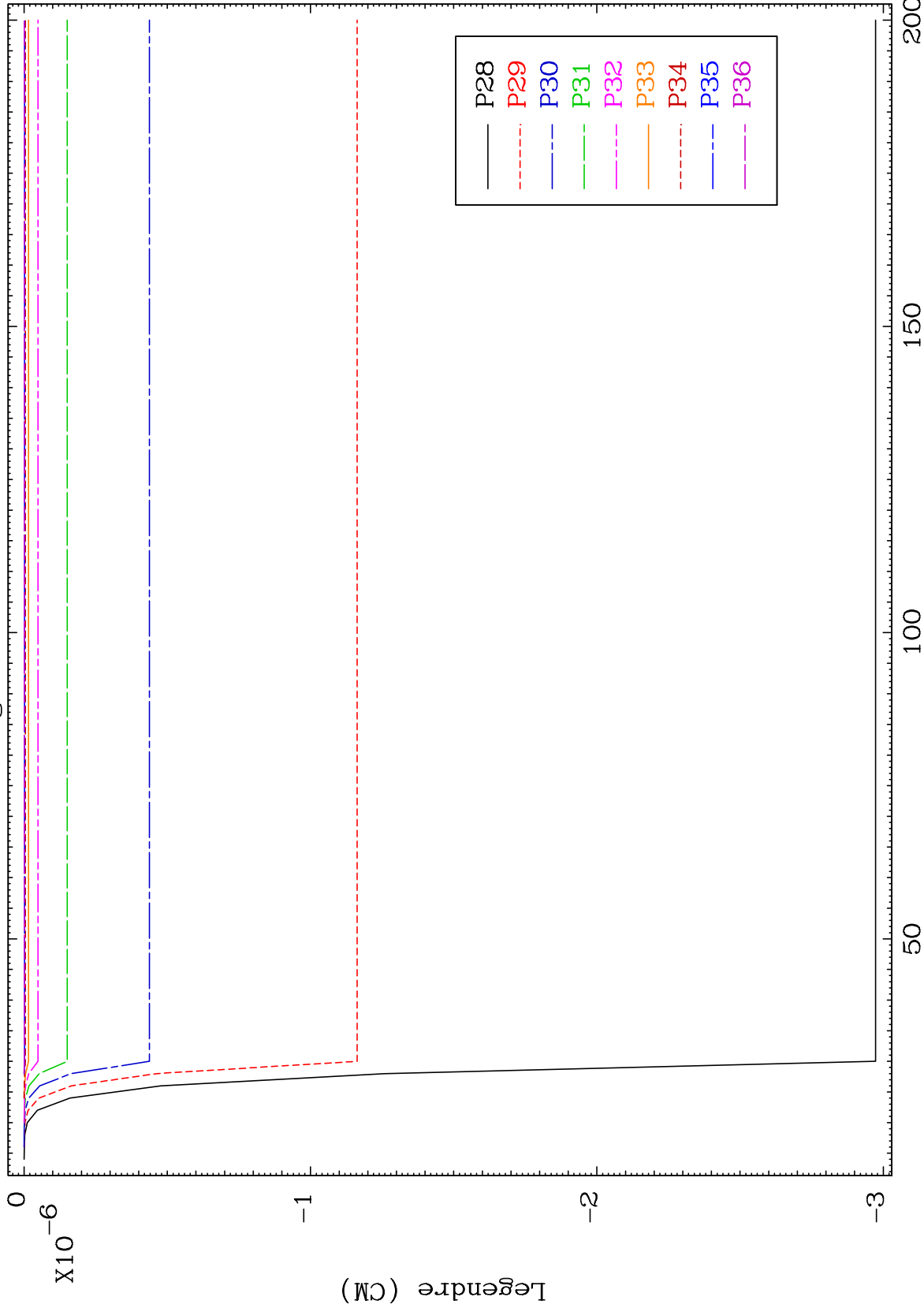
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



36

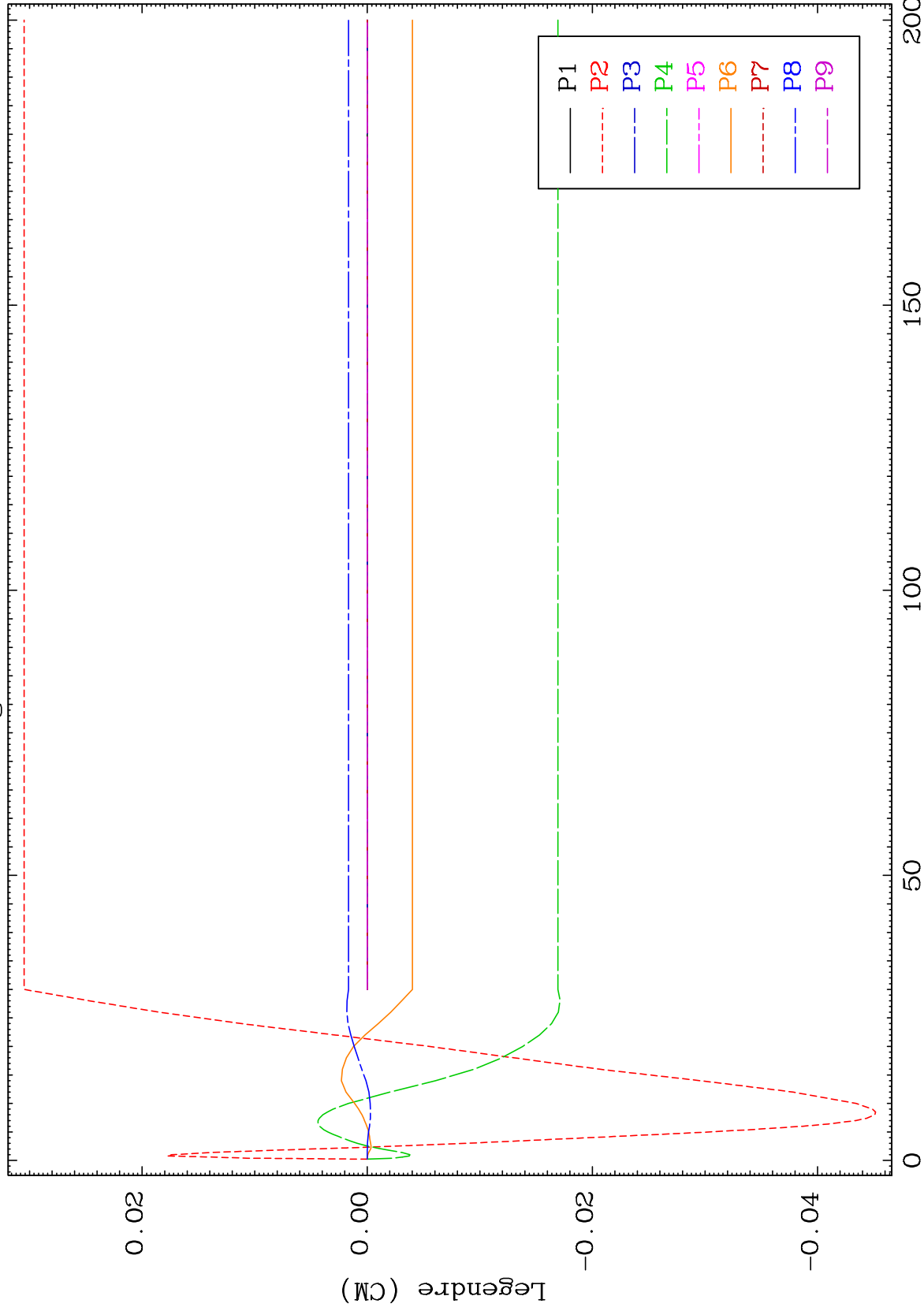
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



37

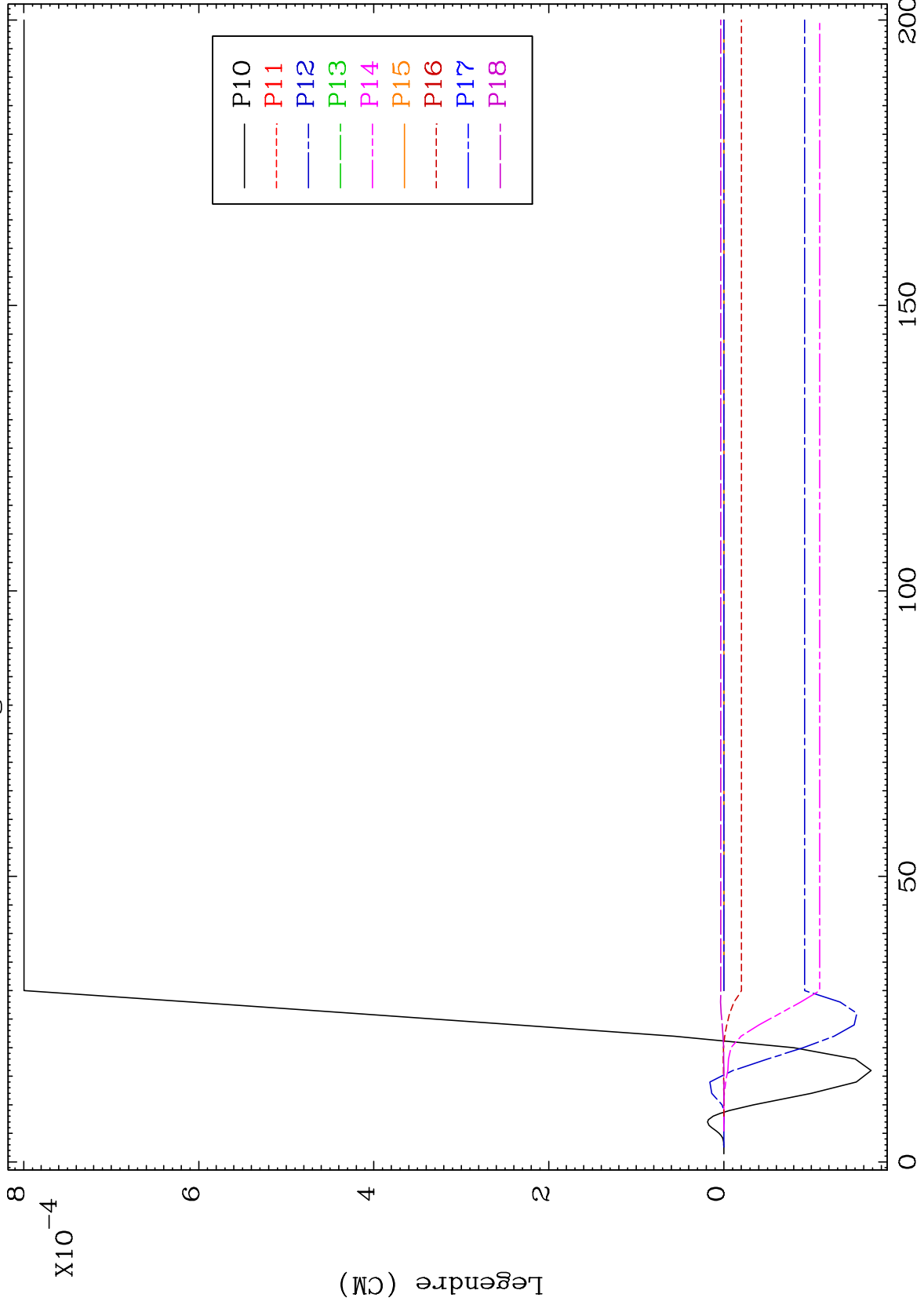
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



38

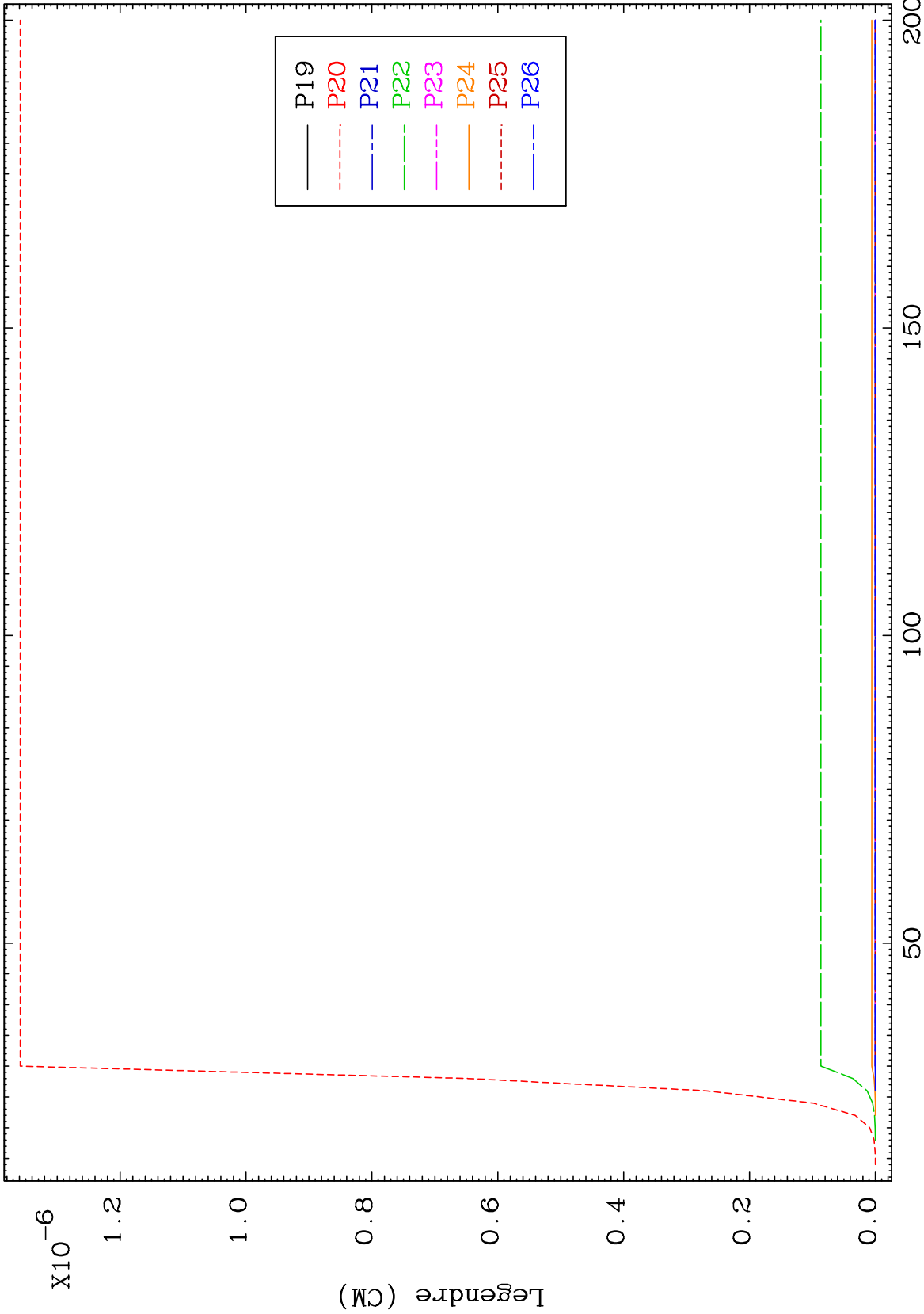
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



39

Incident Energy (MeV)

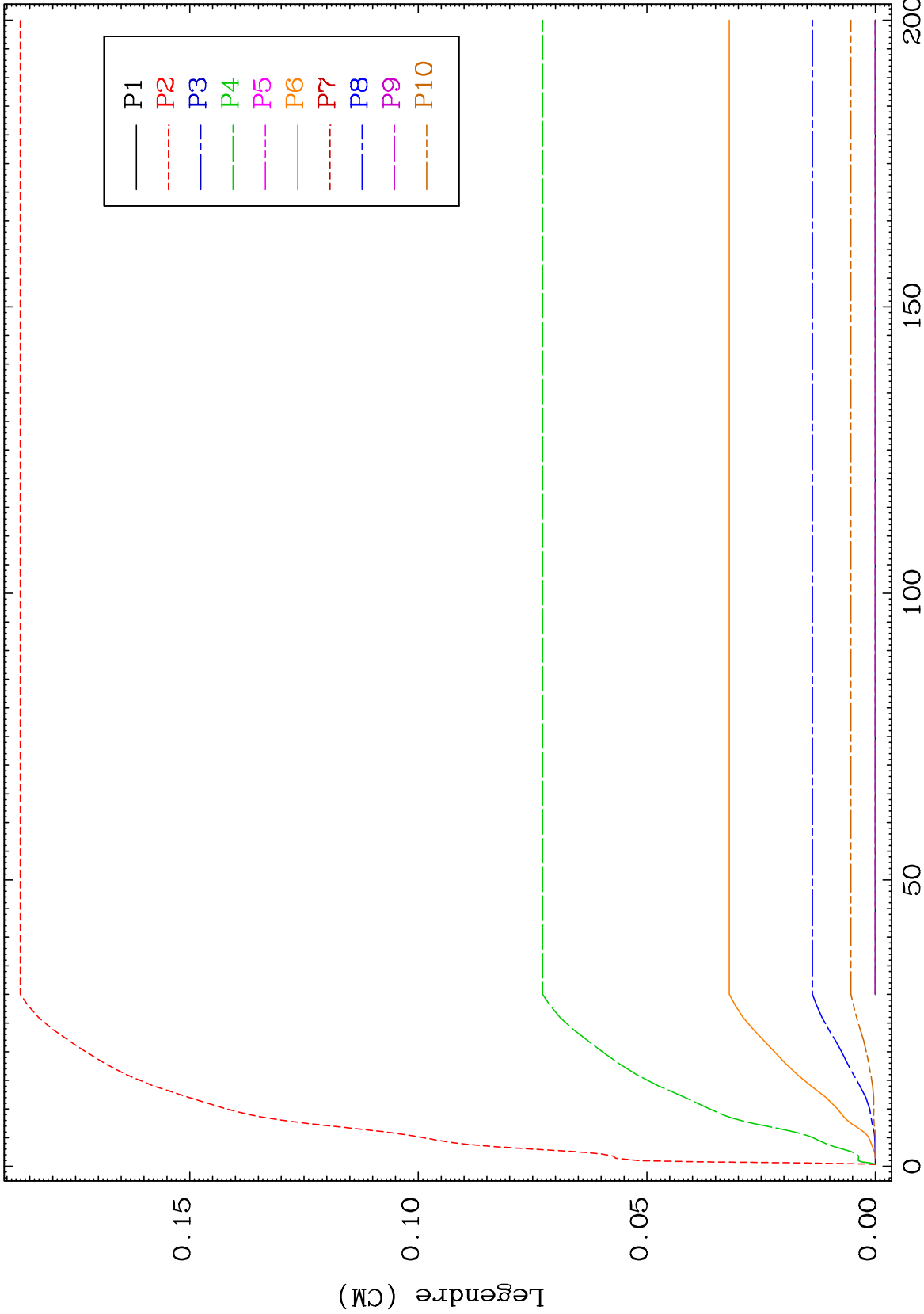
61-Pm-152



MAT 6164

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

61-Pm-152



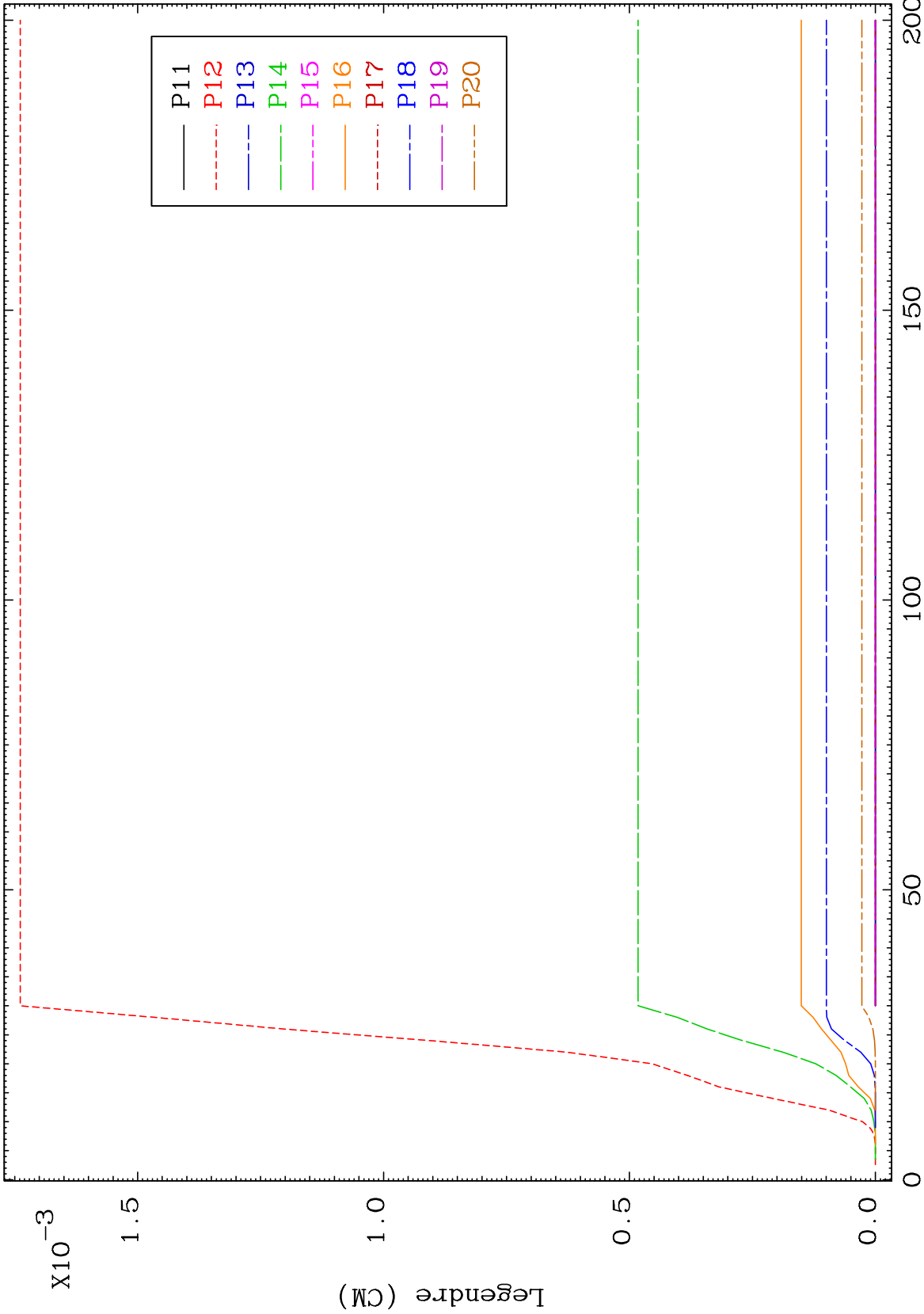
61-Pm-152

Incident Energy (MeV)

MAT 6164

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

61-Pm-152



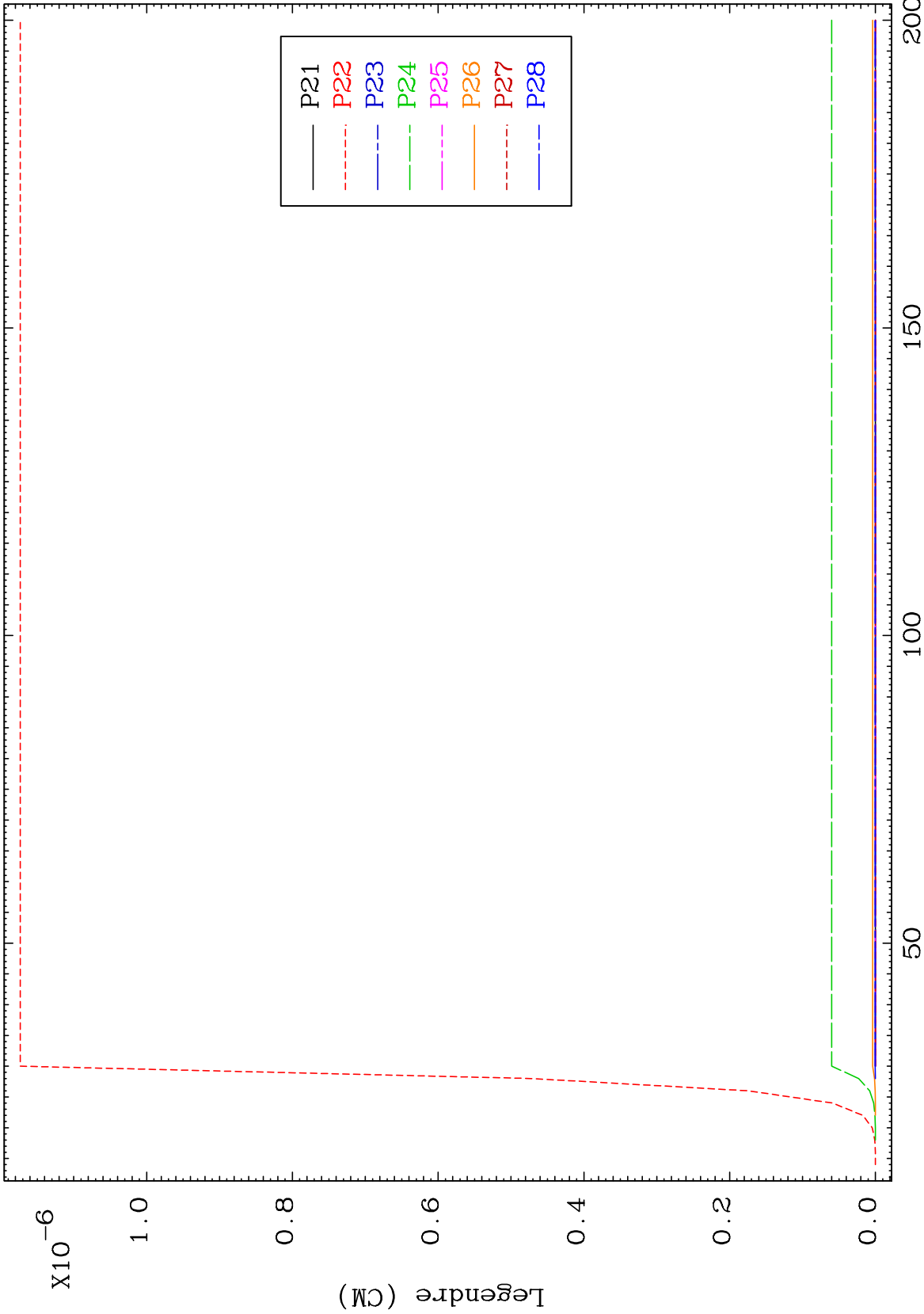
41

61-Pm-152

MAT 6164

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

61-Pm-152



42

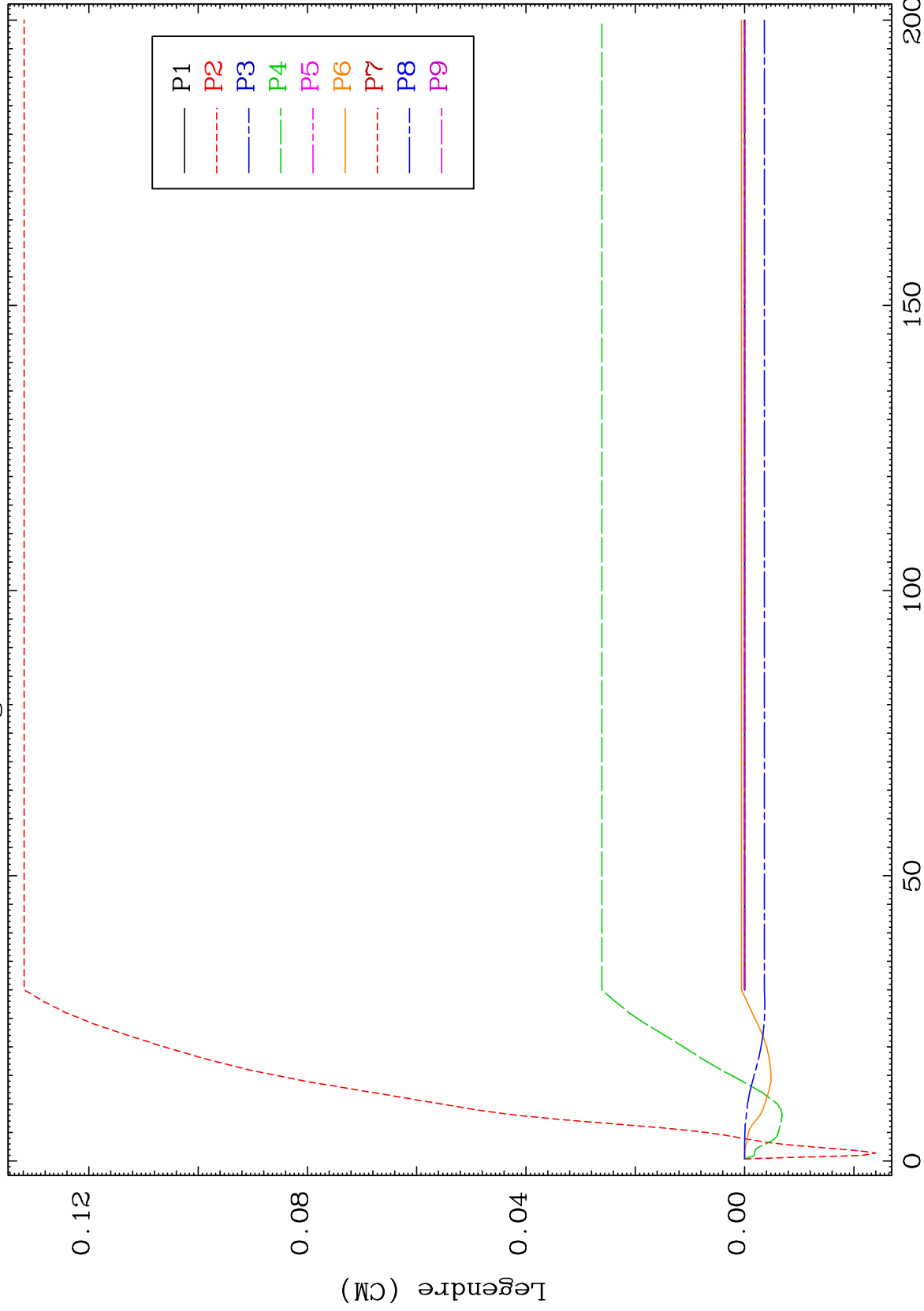
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



43

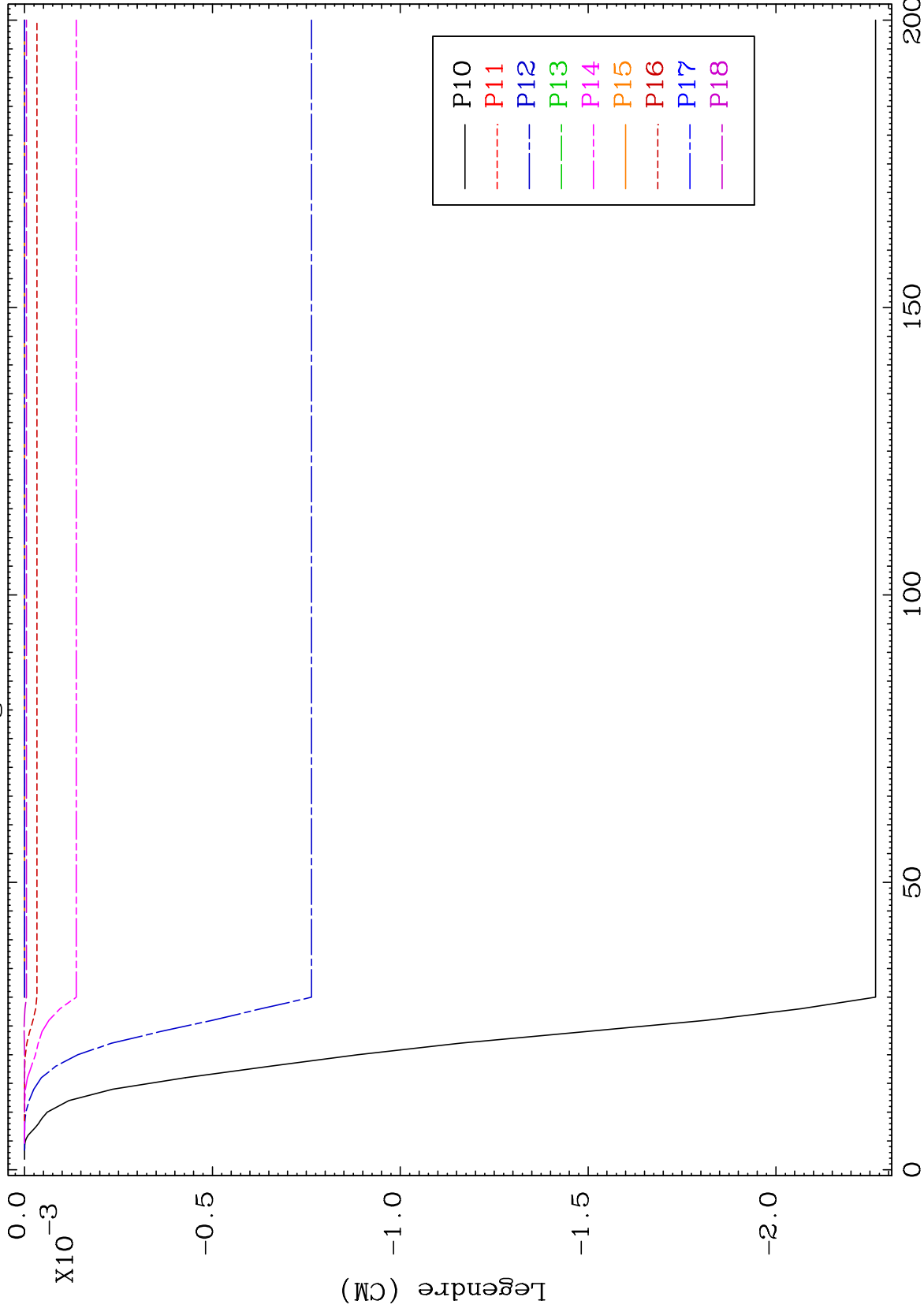
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



44

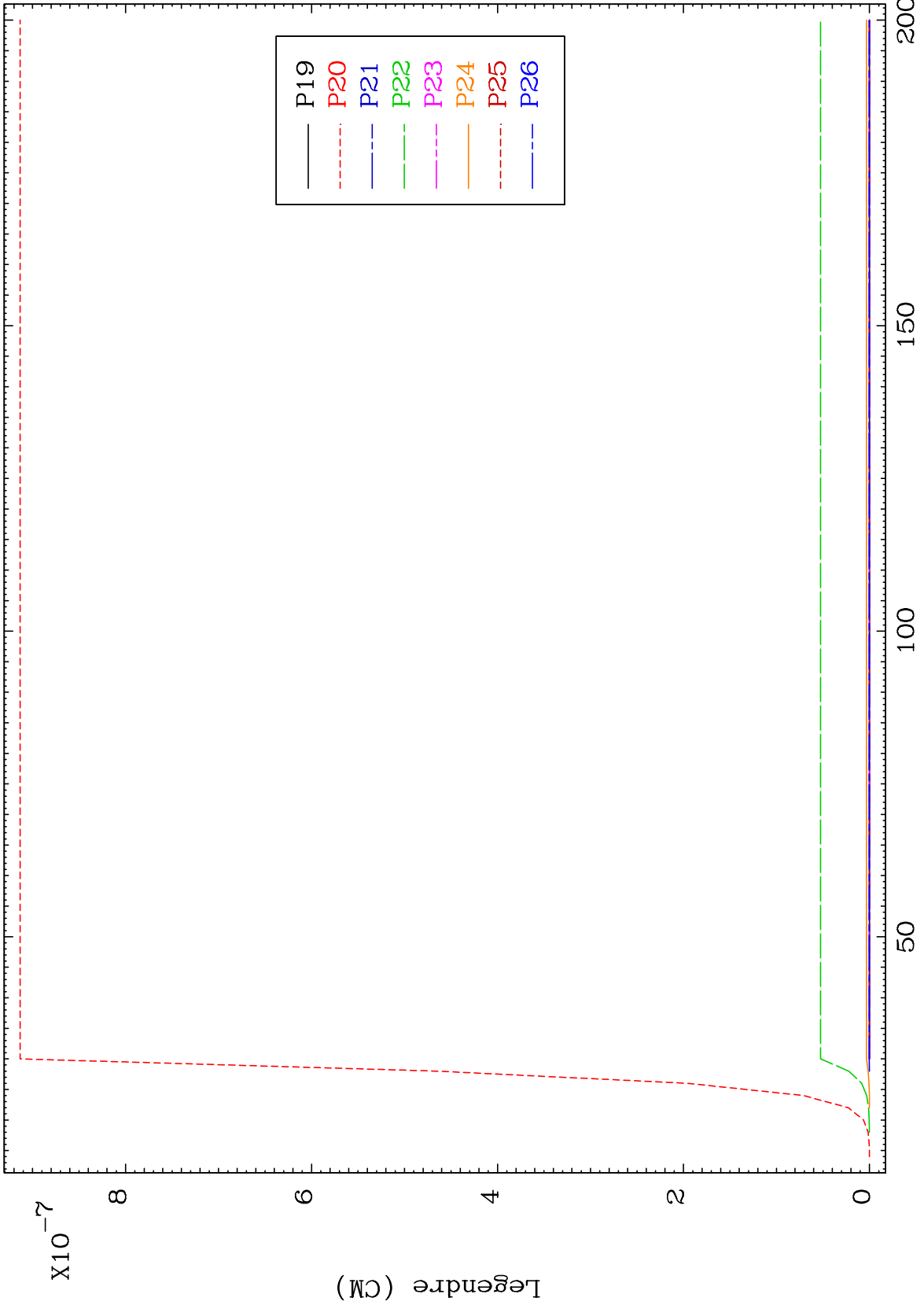
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



45

50

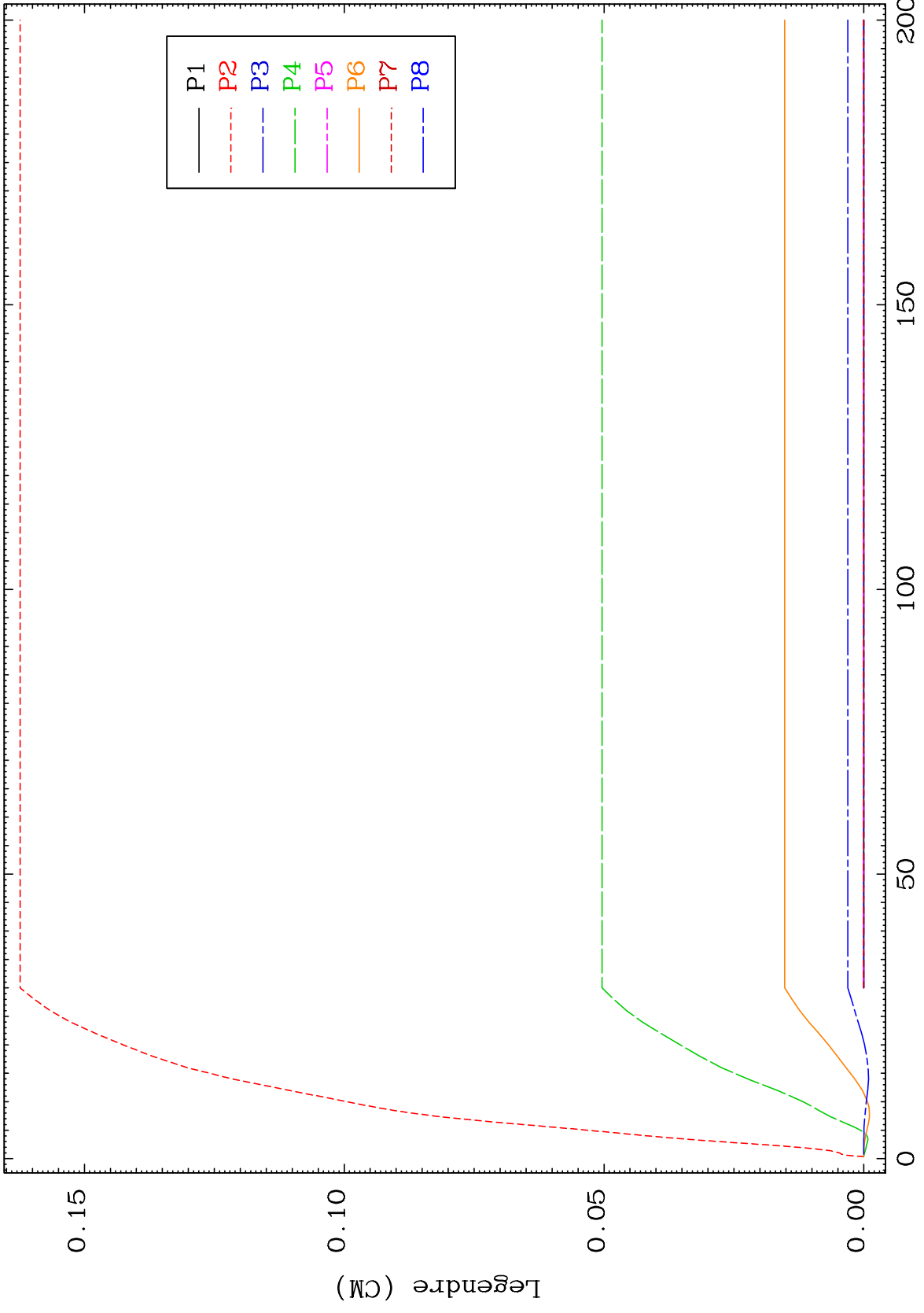
100

150

200

61-Pm-152

MAT 6164 MT= 59 (n,n') Level Legendre Coefficients 61-Pm-152

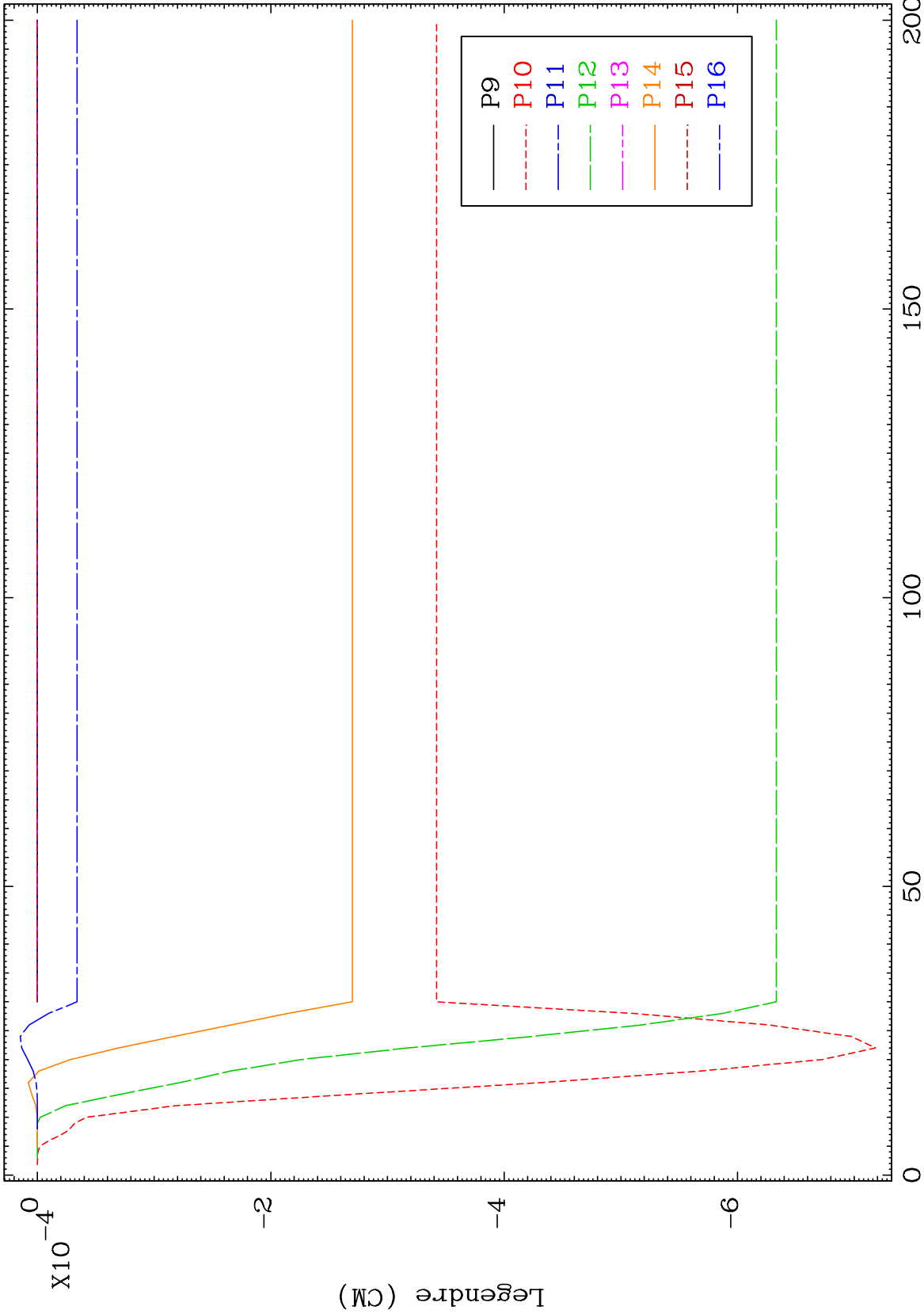


46 61-Pm-152

MAT 6164

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

61-Pm-152



47

Incident Energy (MeV)

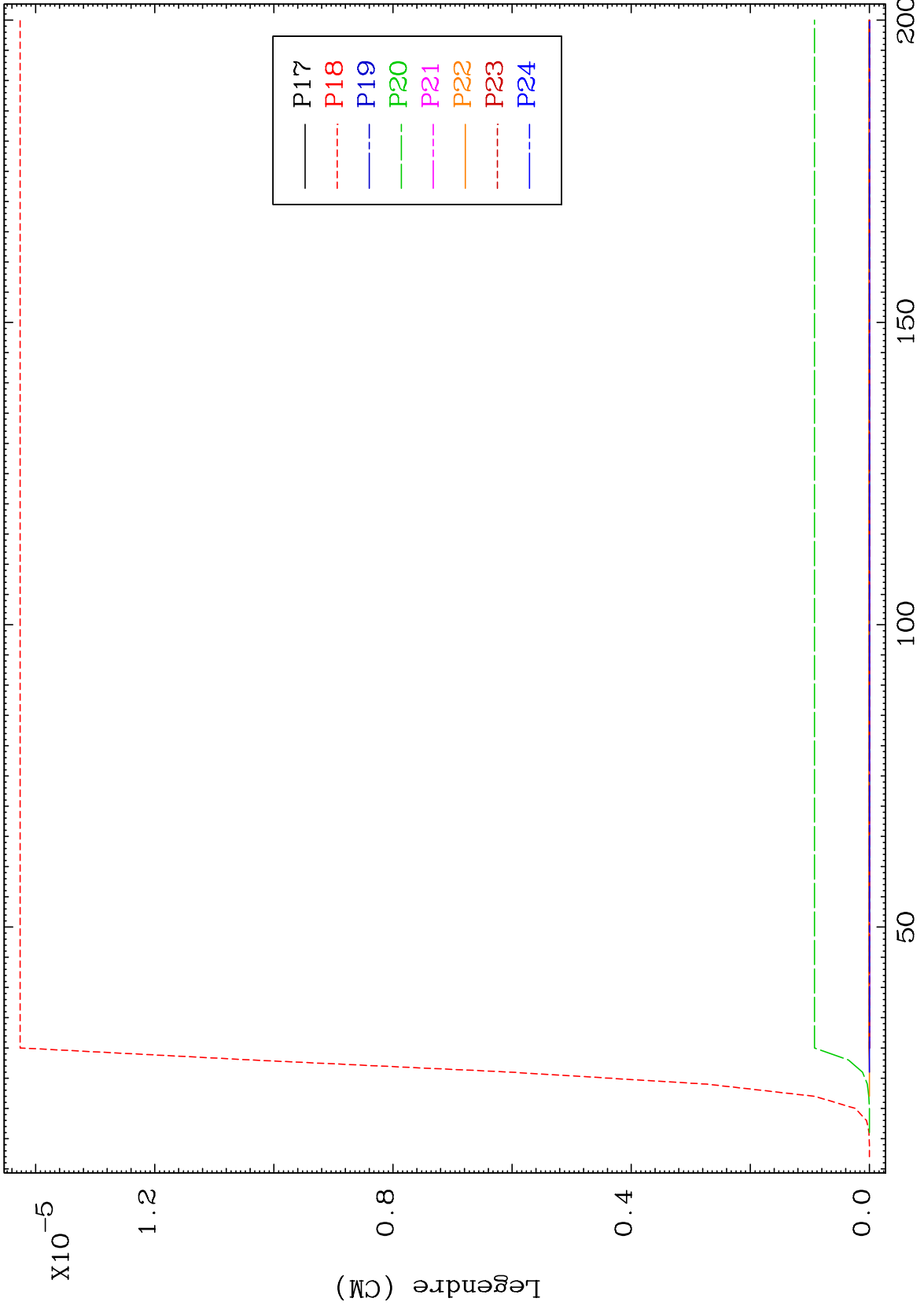
61-Pm-152



MAT 6164

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

61-Pm-152



48

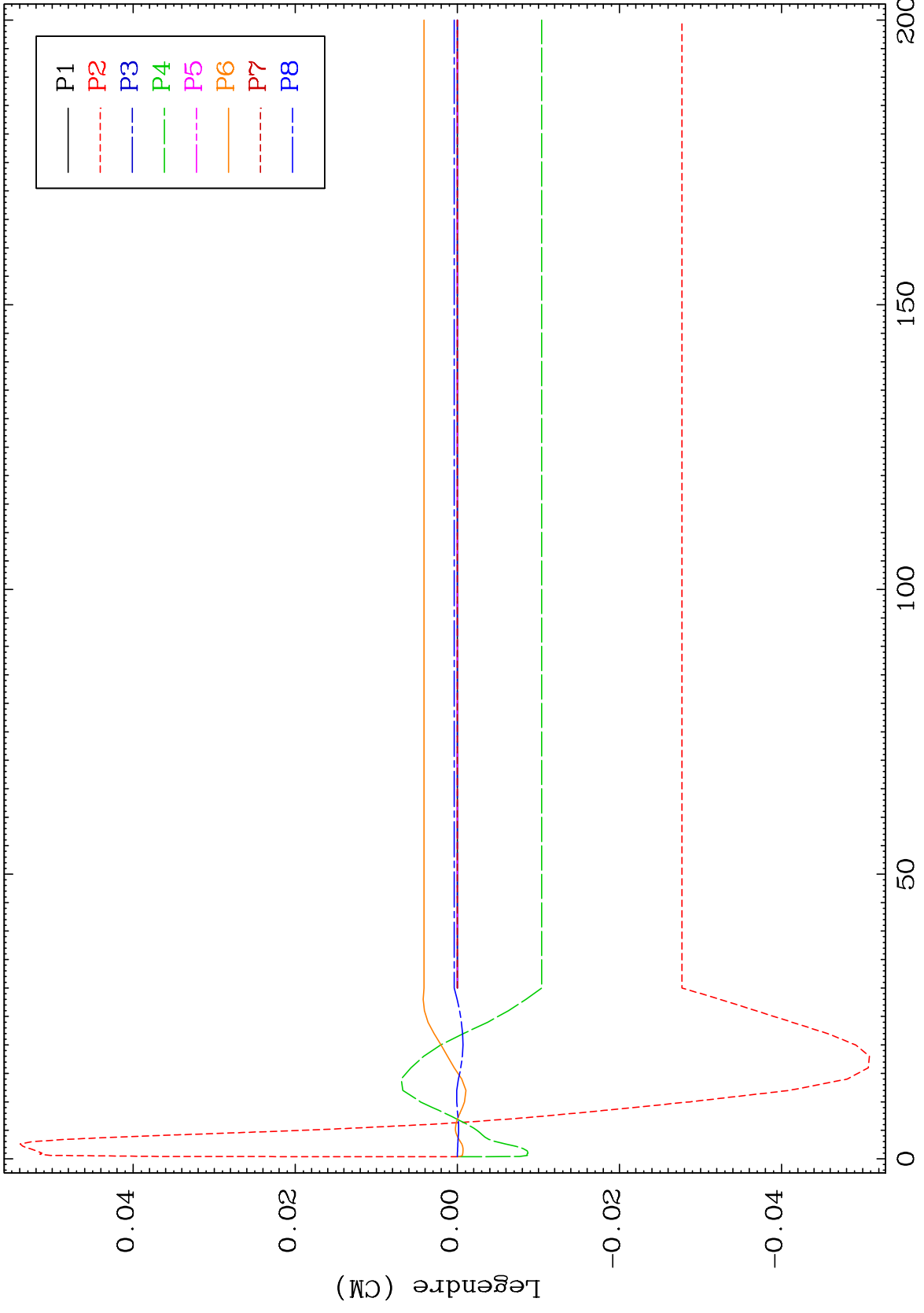
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



49

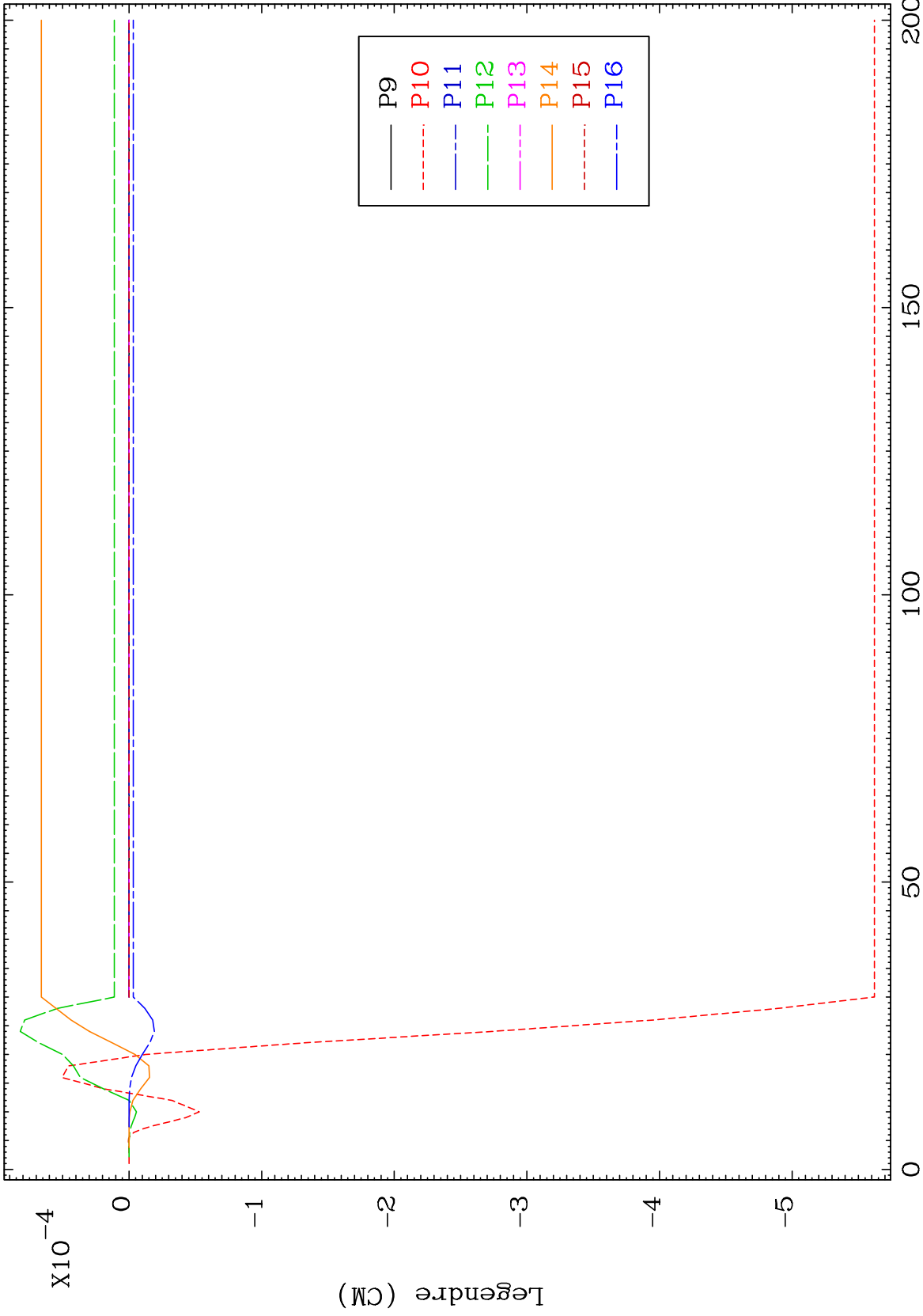
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



50

Incident Energy (MeV)

100

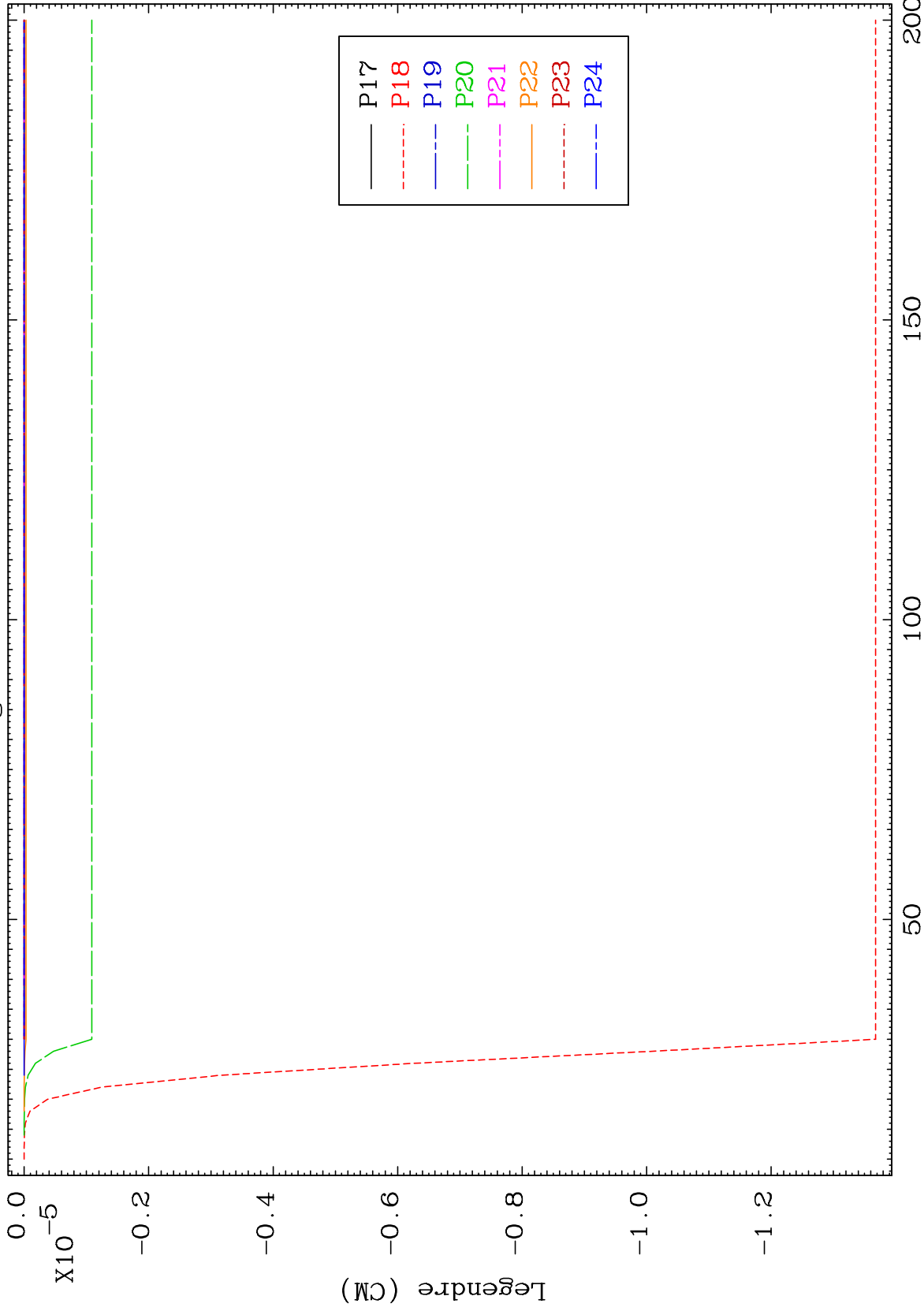
61-Pm-152

200

MAT 6164

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

61-Pm-152

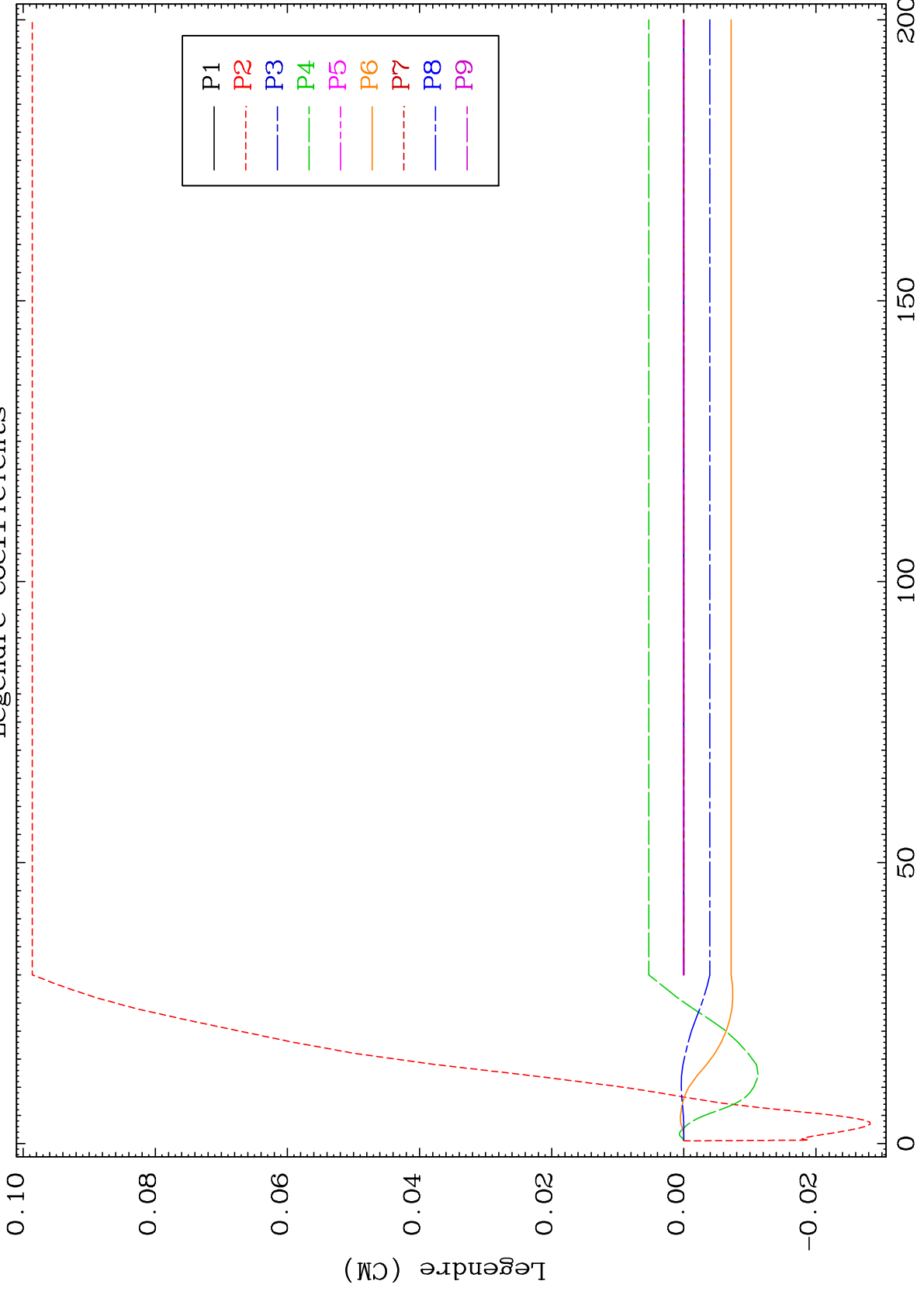


51

Incident Energy (MeV)

61-Pm-152

MAT 6164 MT= 61 (n,n') Level Legendre Coefficients 61-Pm-152

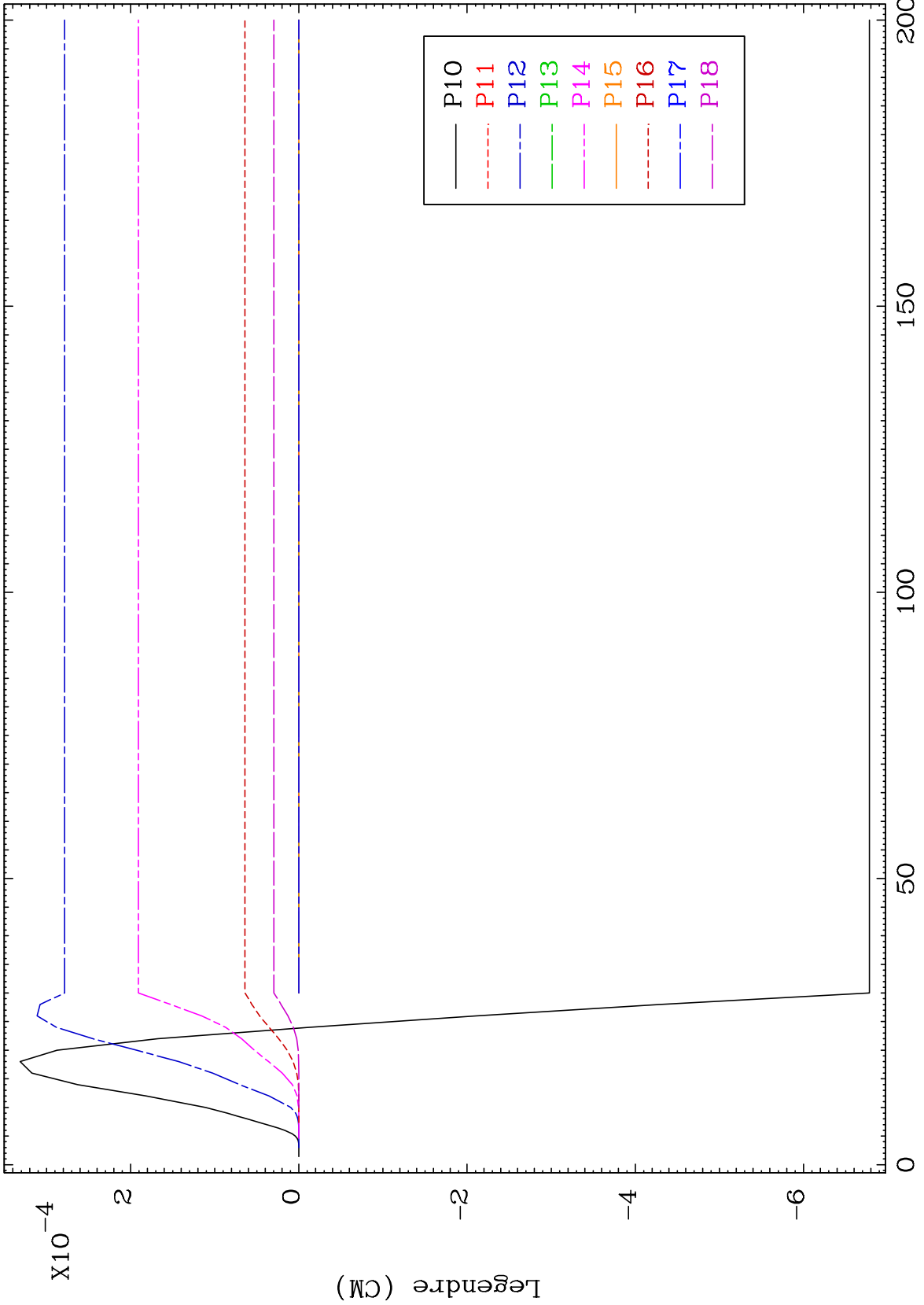


52 61-Pm-152

MAT 6164

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

61-Pm-152



53

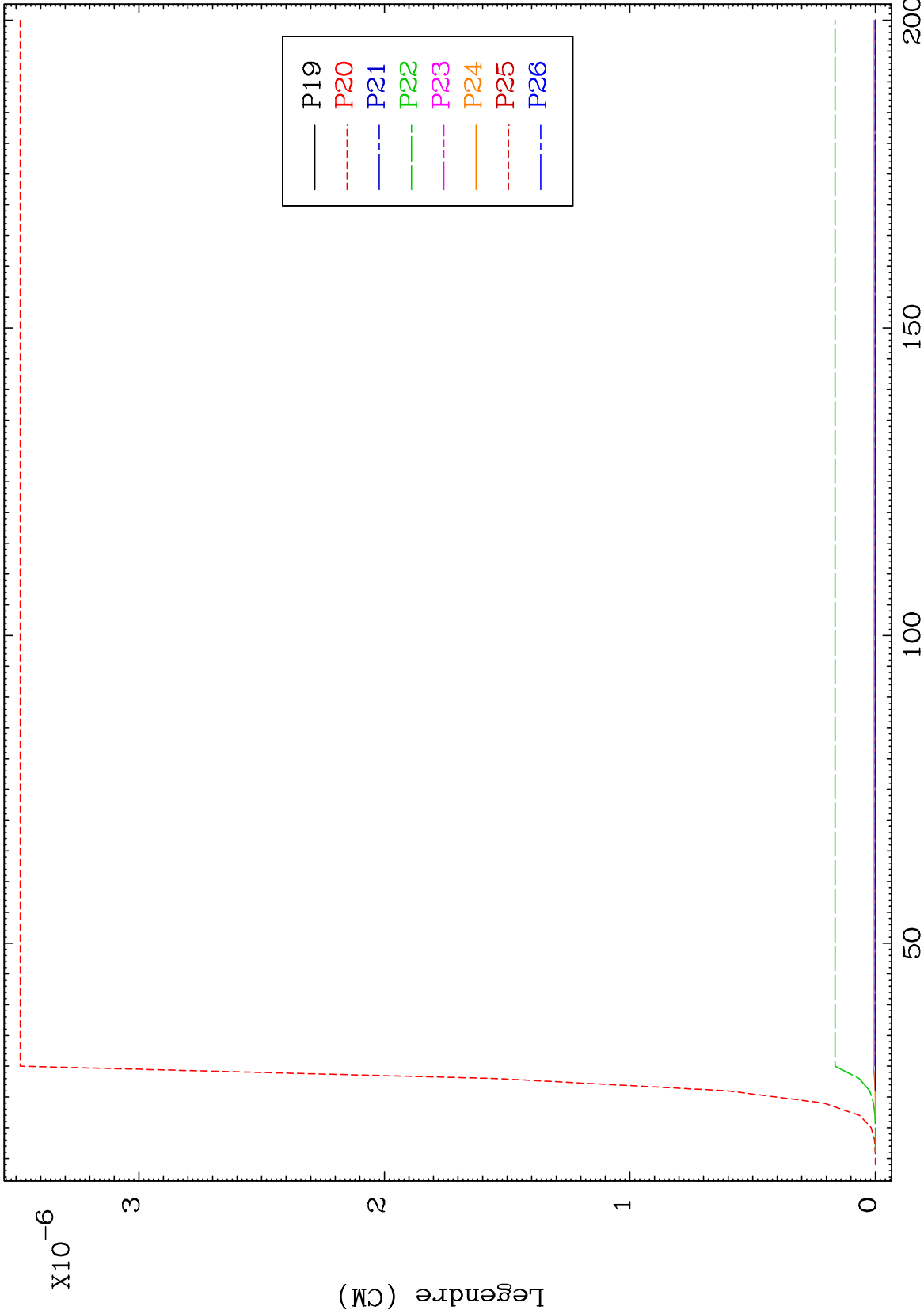
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152

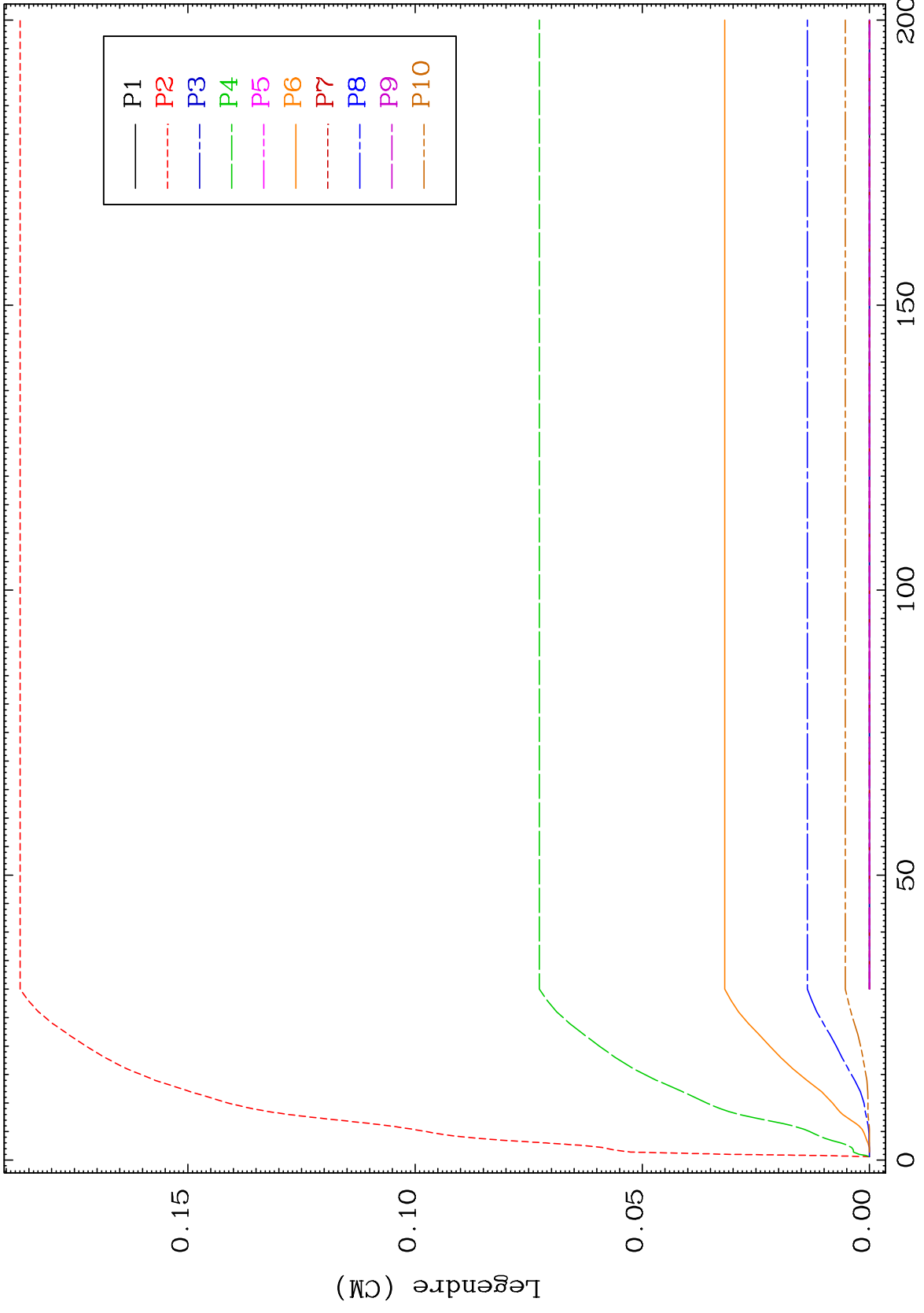


54

Incident Energy (MeV)

61-Pm-152

MAT 6164 MT= 62 (n,n') Level Legendre Coefficients 61-Pm-152



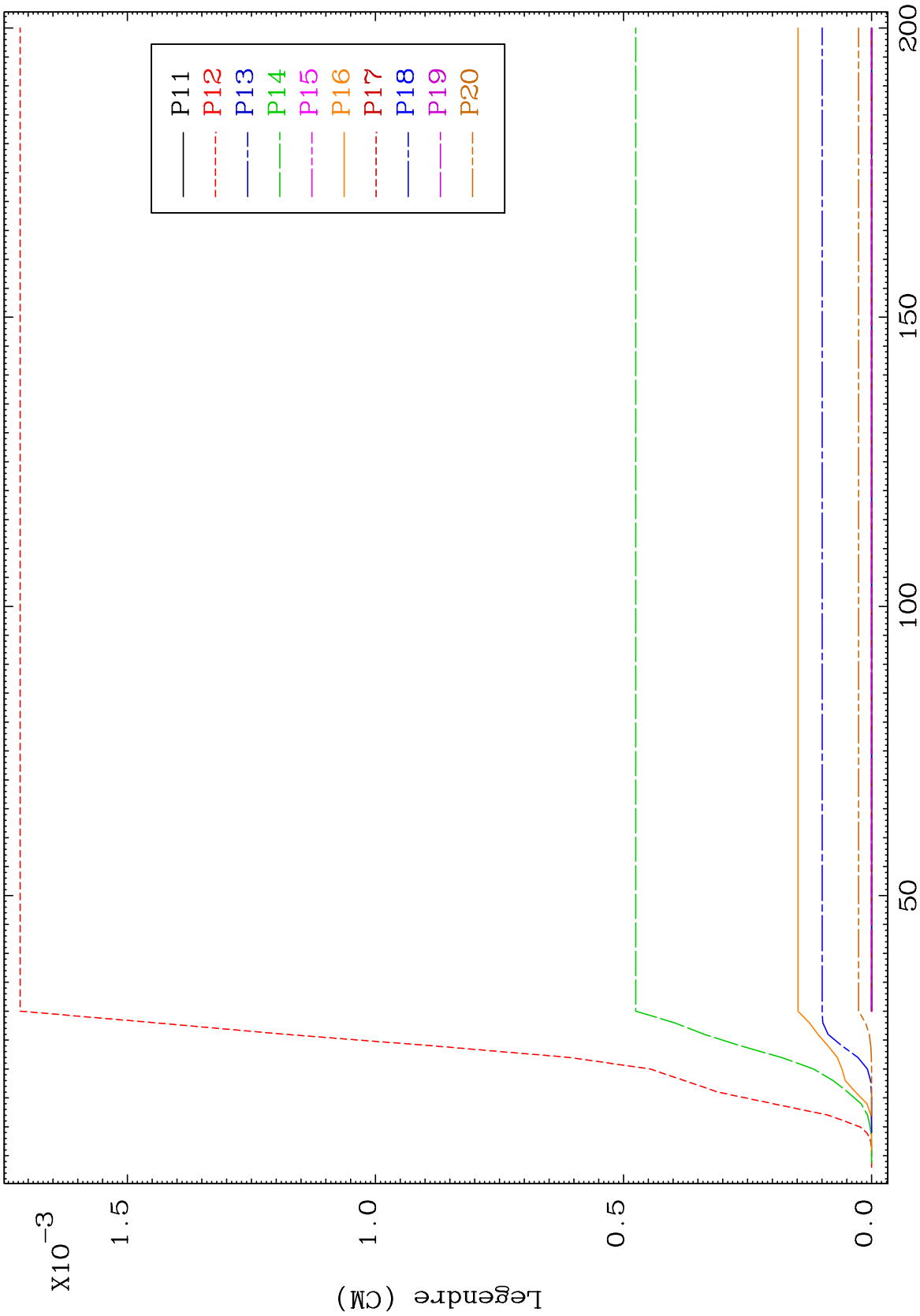
61-Pm-152



MAT 6164

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

61-Pm-152



56

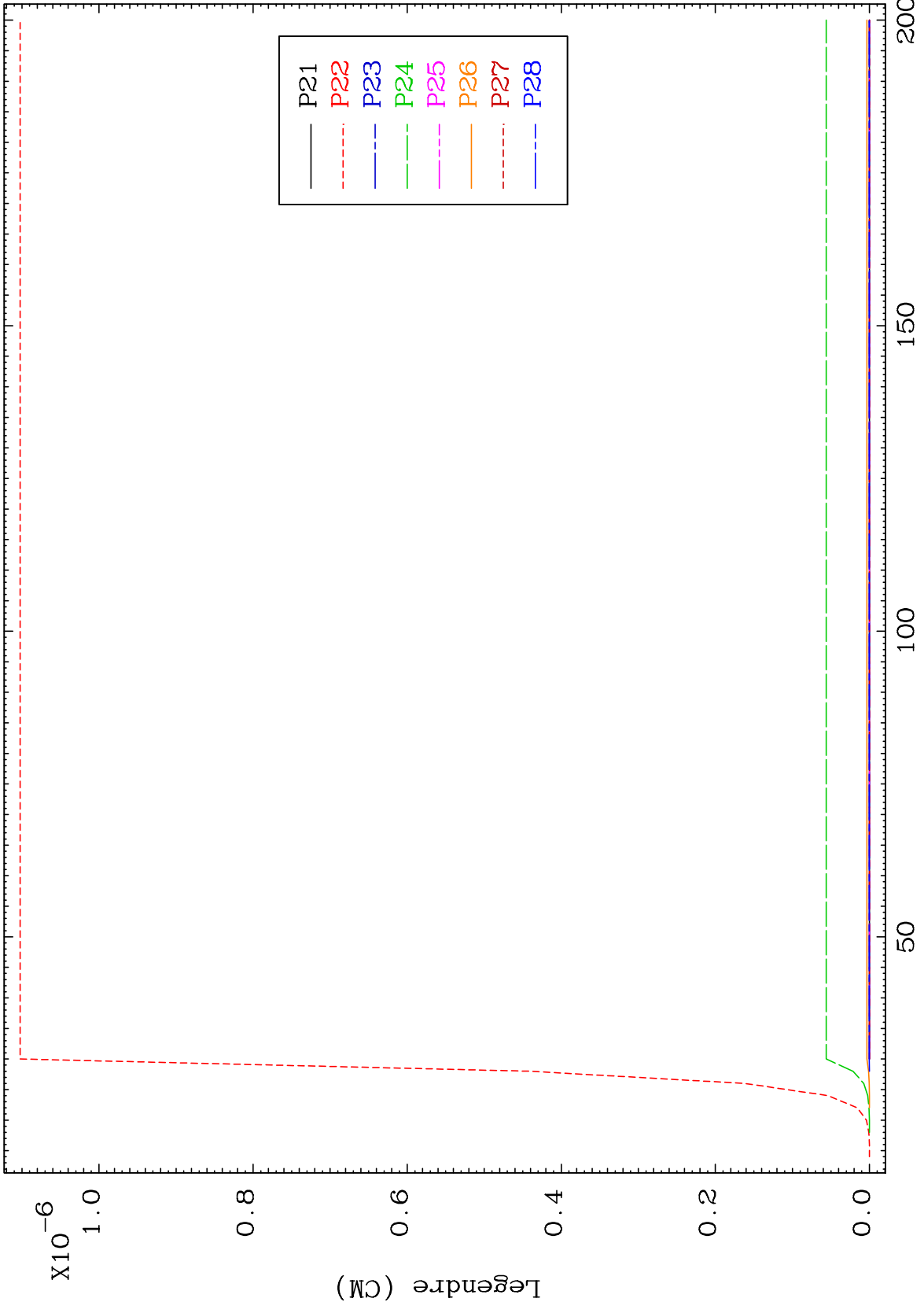
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



57

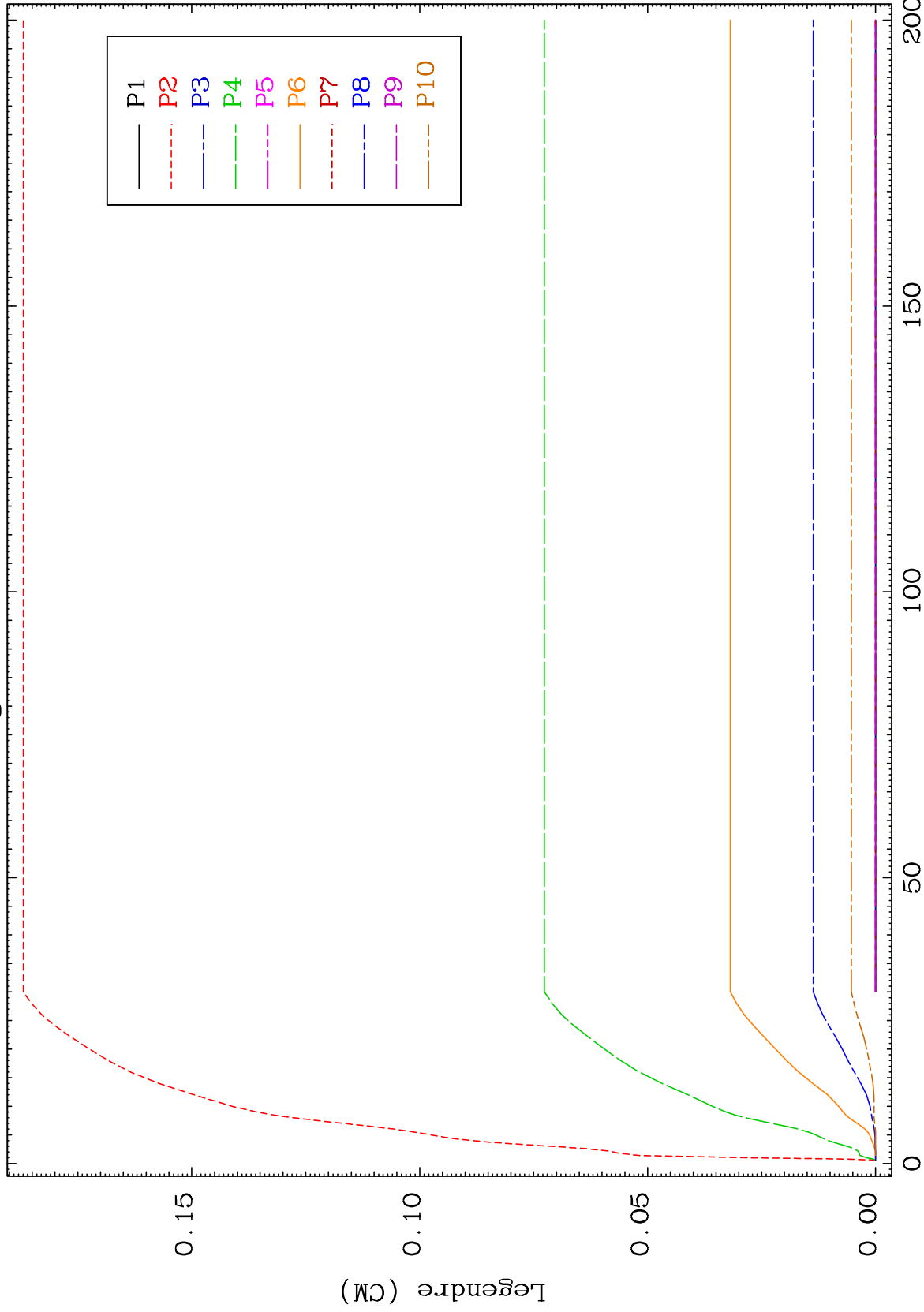
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



58

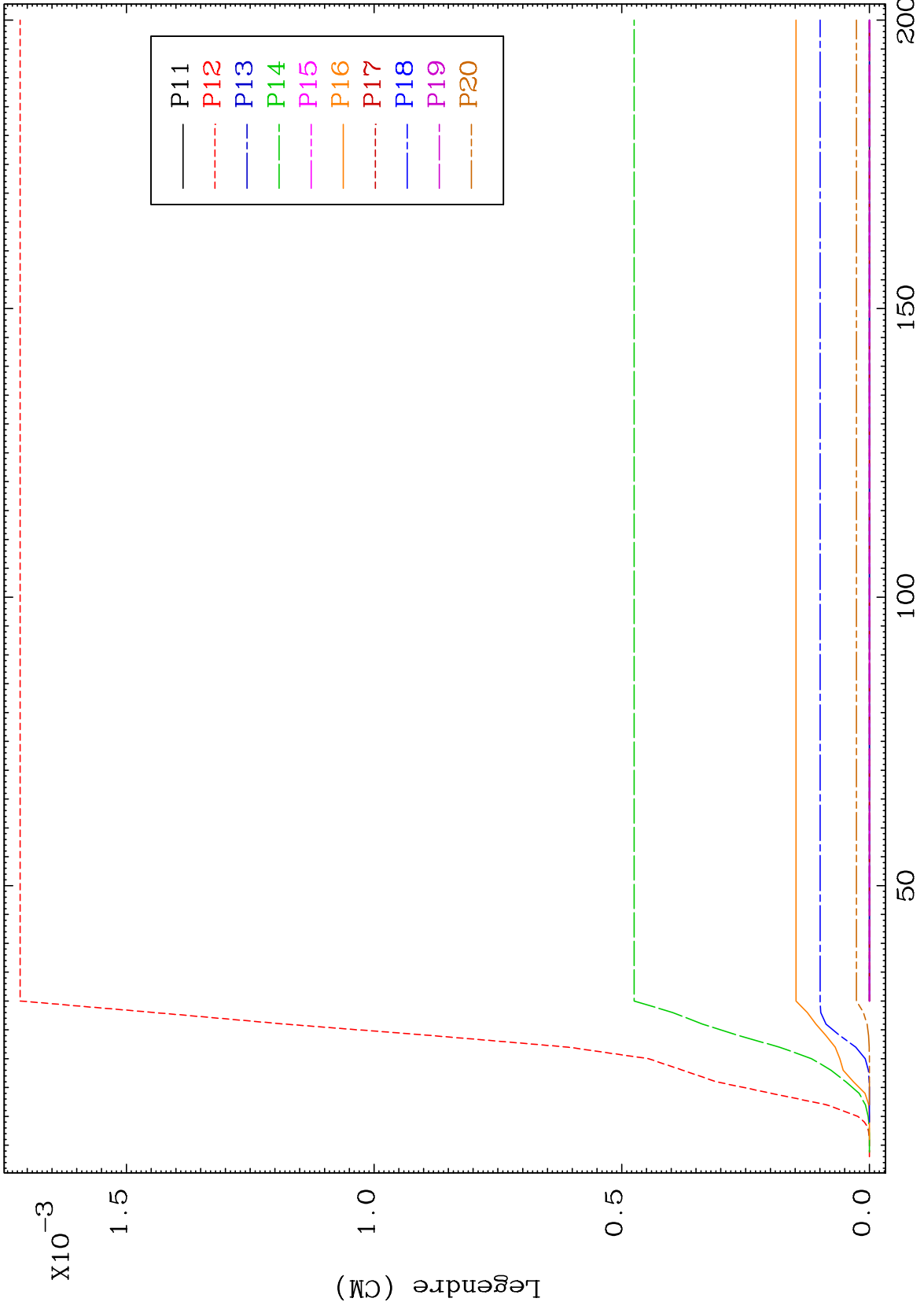
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152

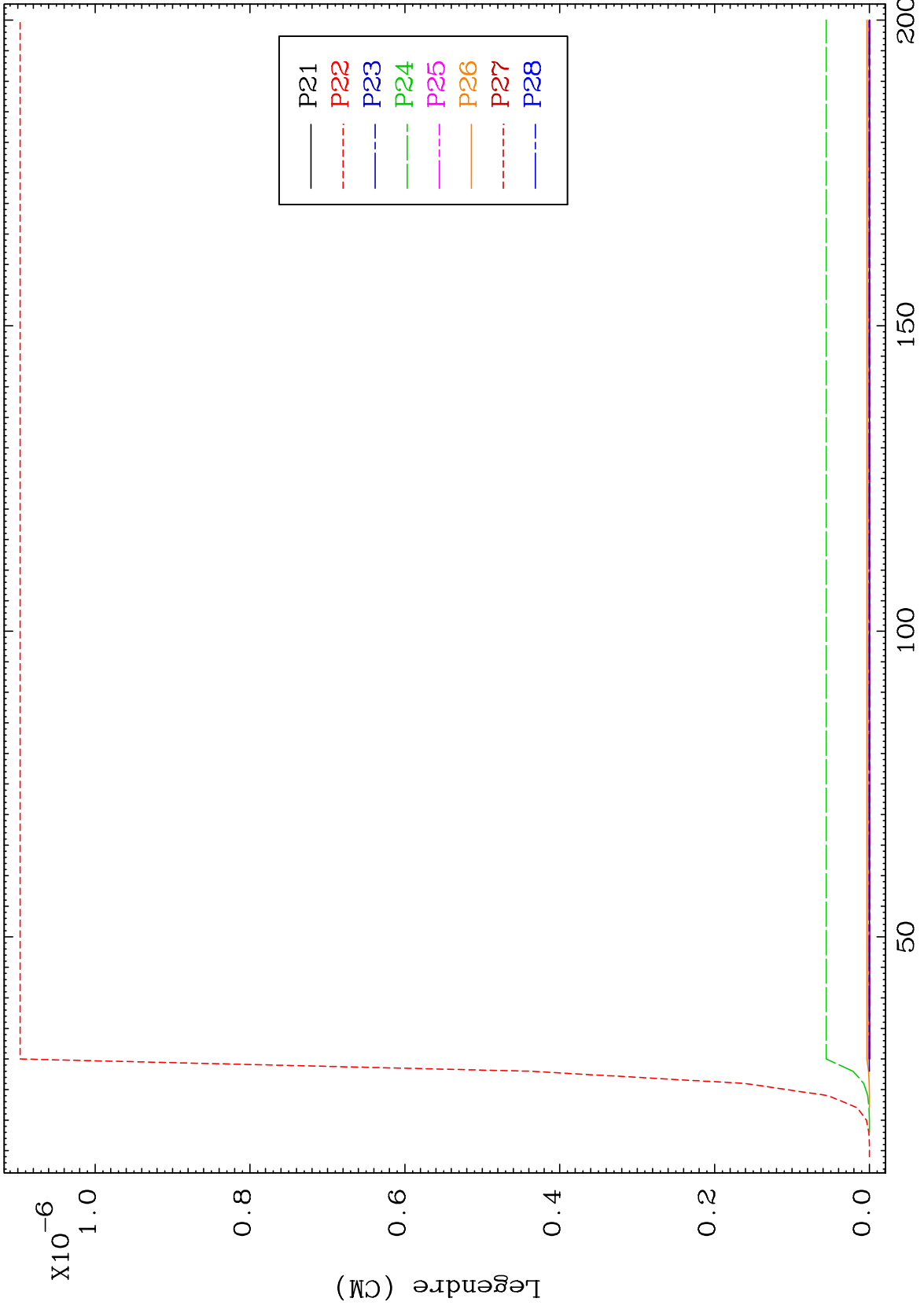


59

Incident Energy (MeV)

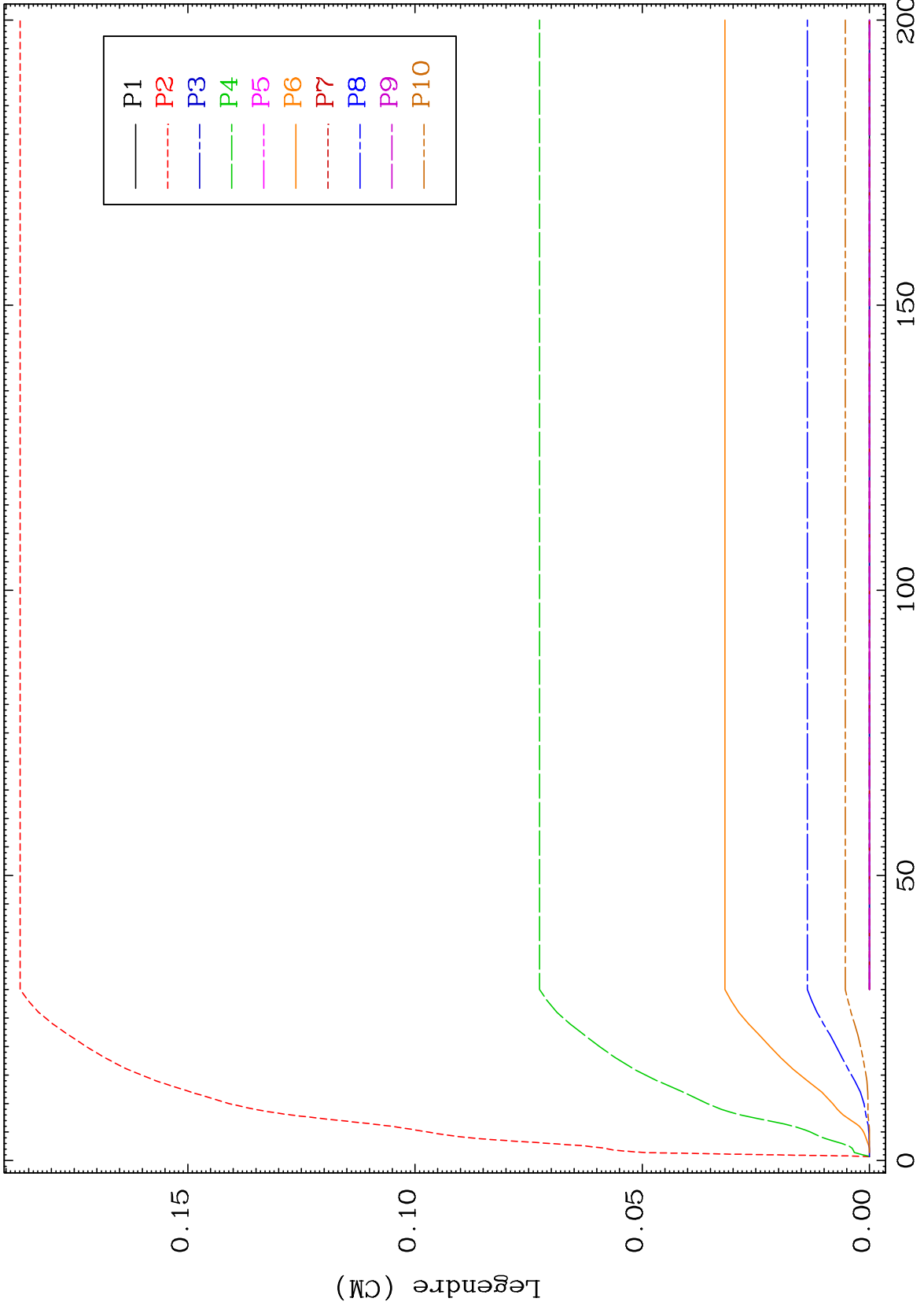
61-Pm-152

MAT 6164 MT= 63 (n,n') Level Legendre Coefficients 61-Pm-152



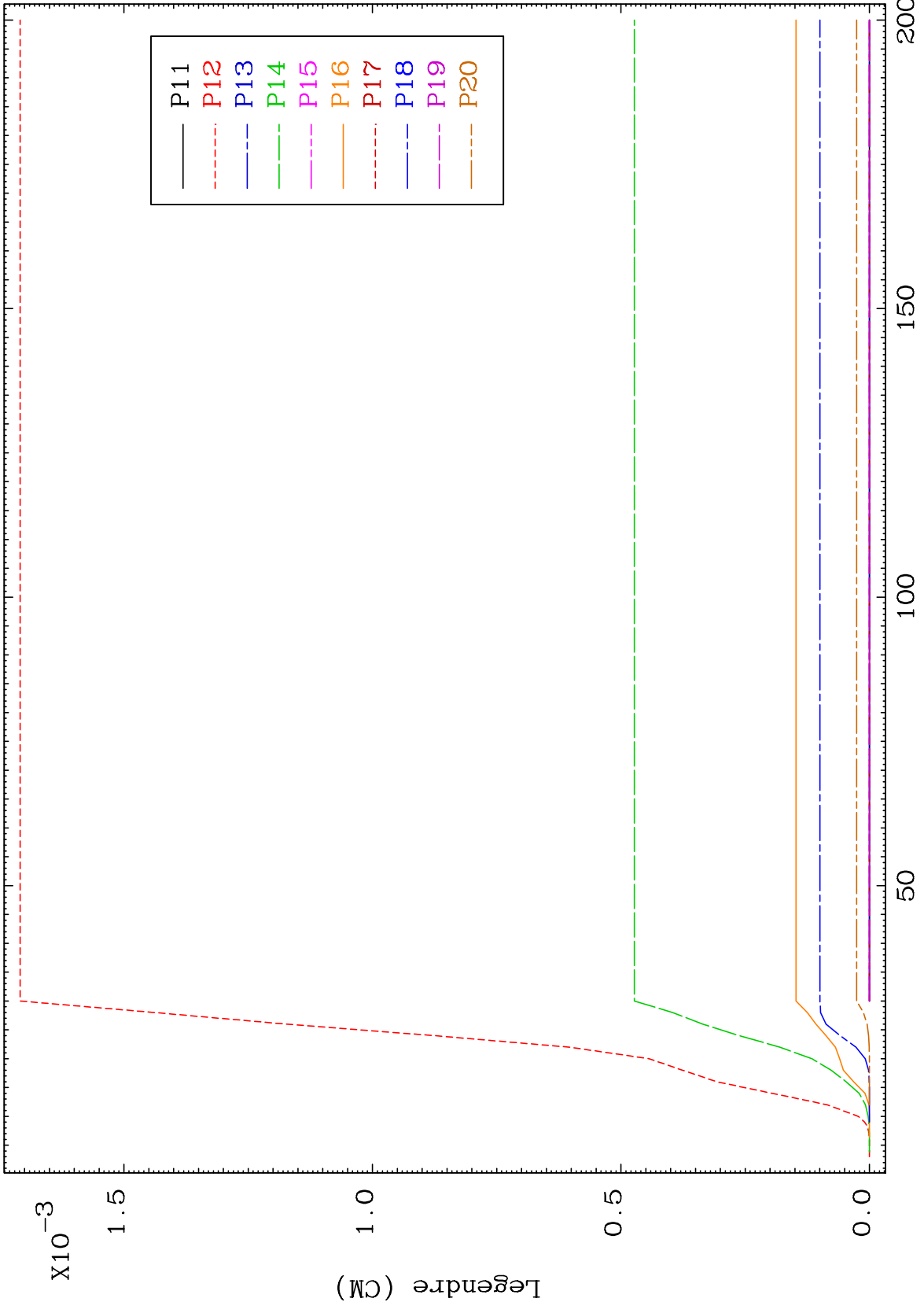
61-Pm-152

MAT 6164 MT= 64 (n,n') Level Legendre Coefficients 61-Pm-152



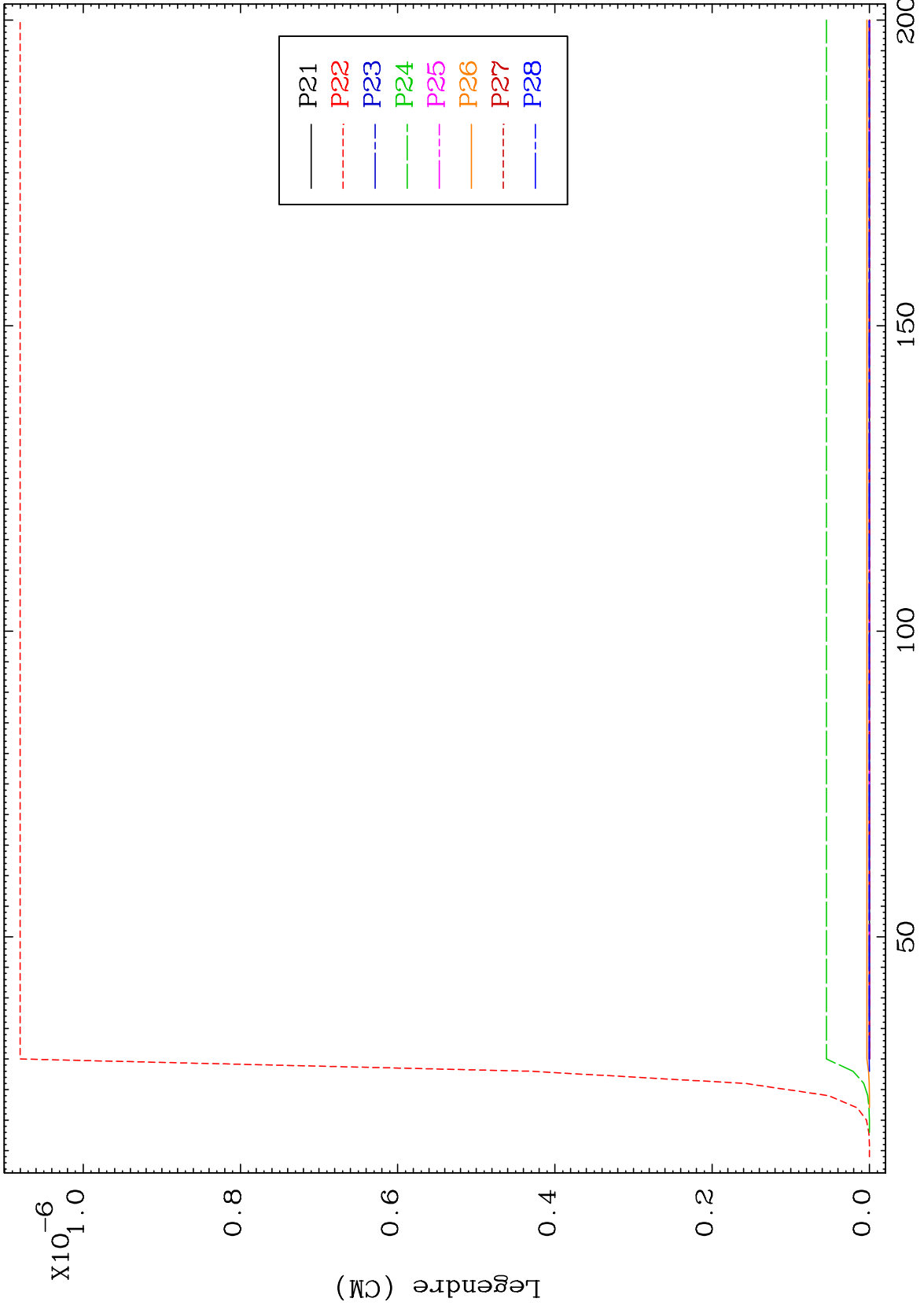
61 Incident Energy (MeV) 61-Pm-152

MAT 6164 MT= 64 (n,n') Level Legendre Coefficients 61-Pm-152



62 61-Pm-152

MAT 6164 MT= 64 (n,n') Level Legendre Coefficients 61-Pm-152



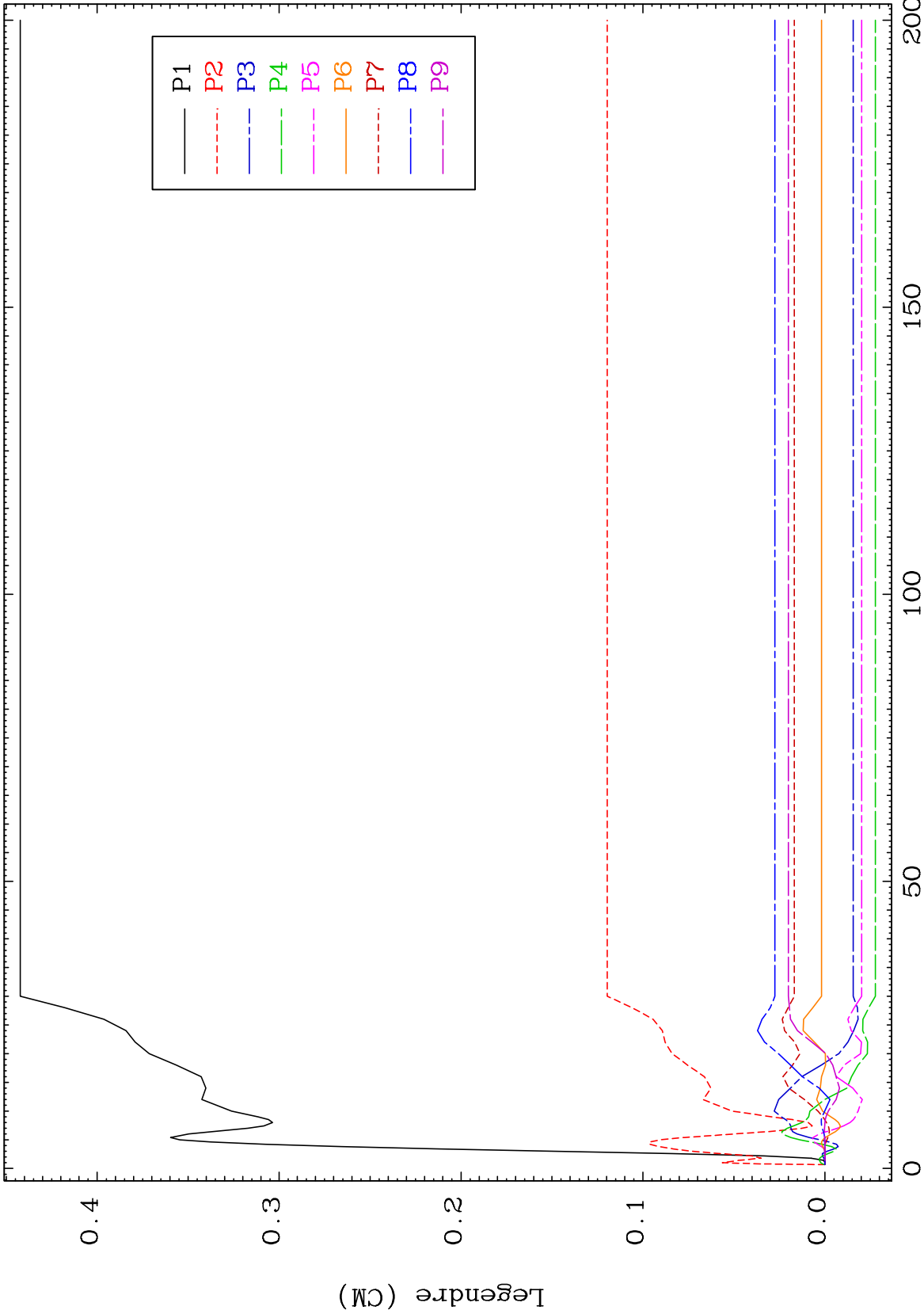
63 61-Pm-152



MAT 6164

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

61-Pm-152



64

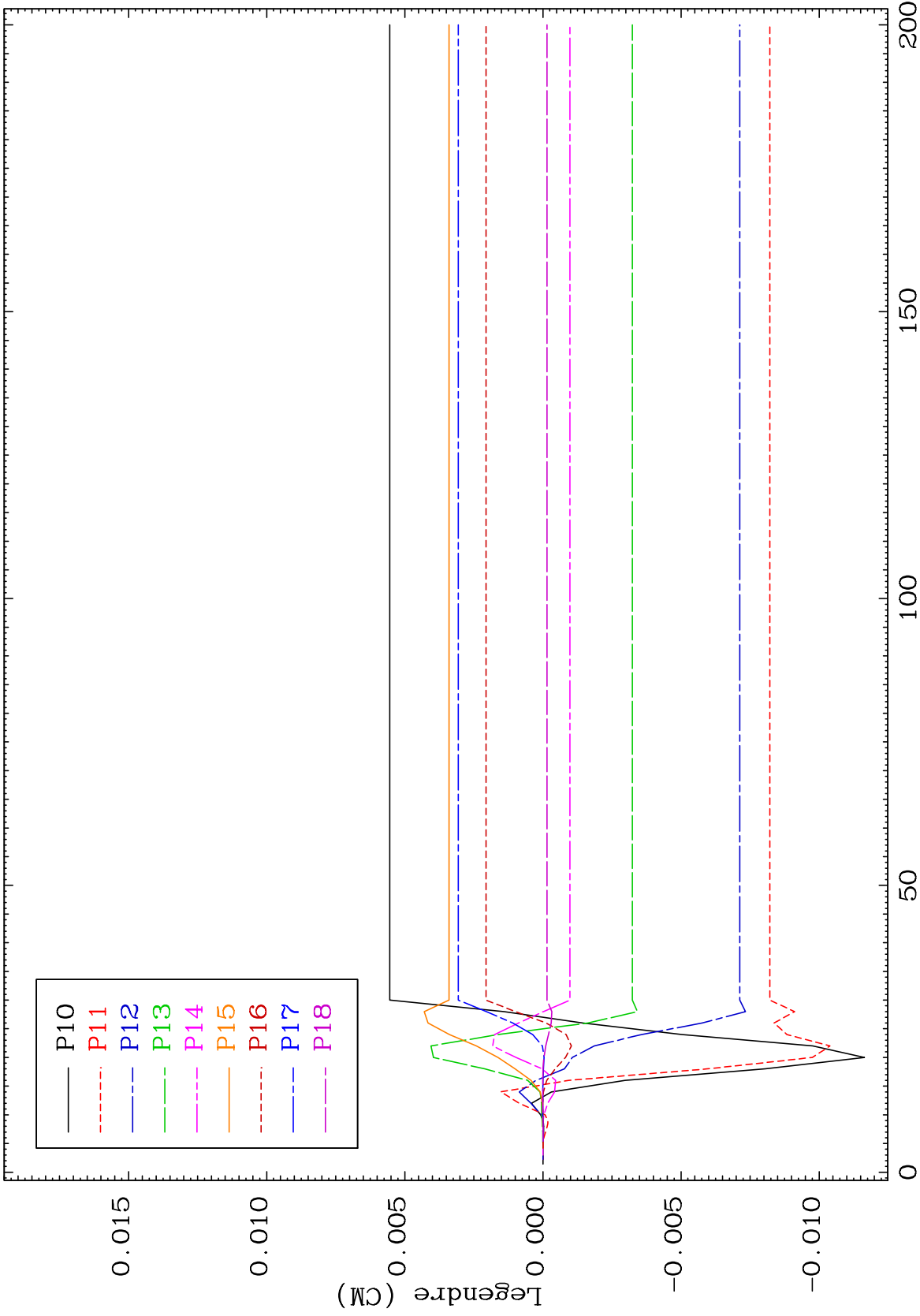
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



65

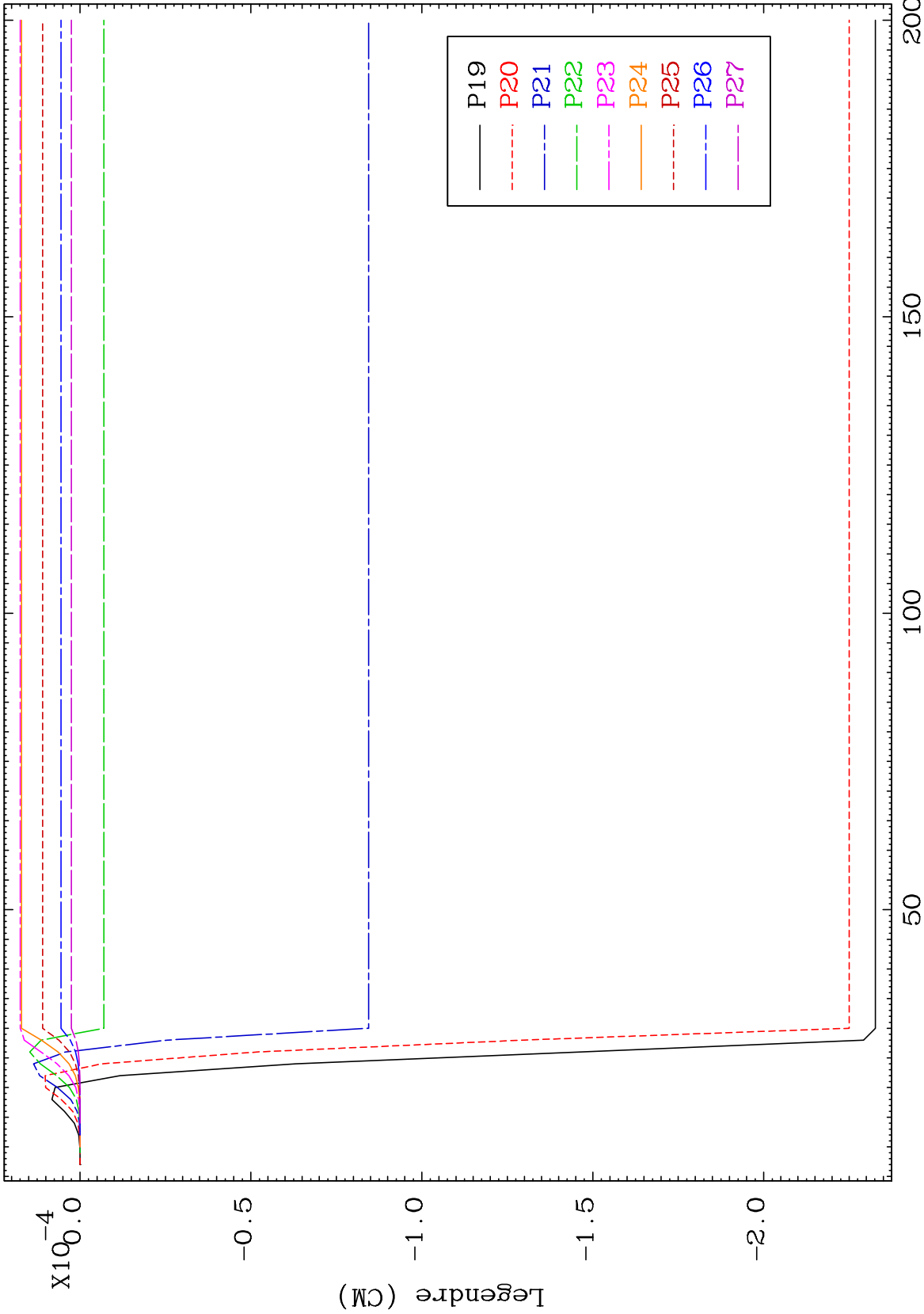
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



66

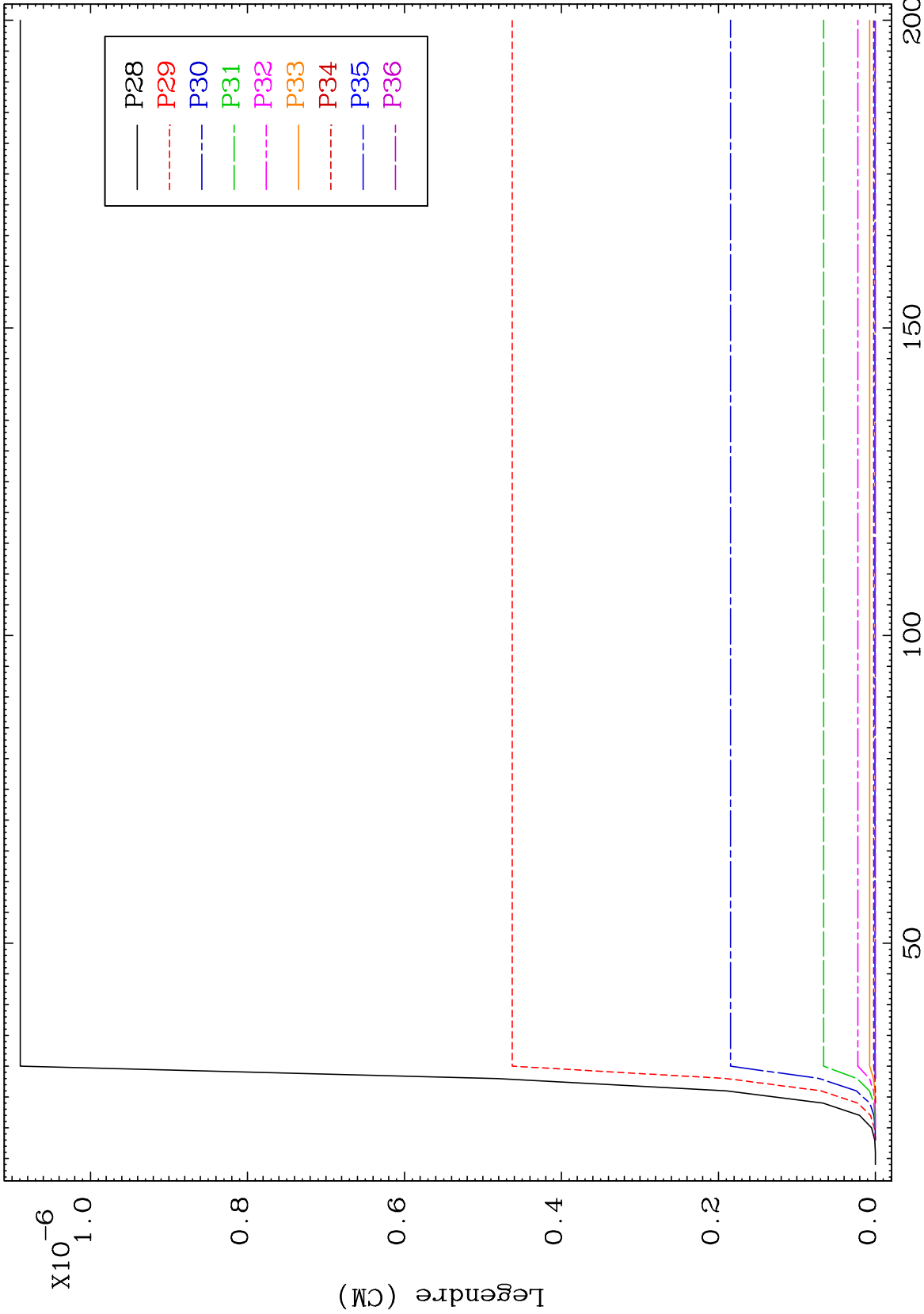
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

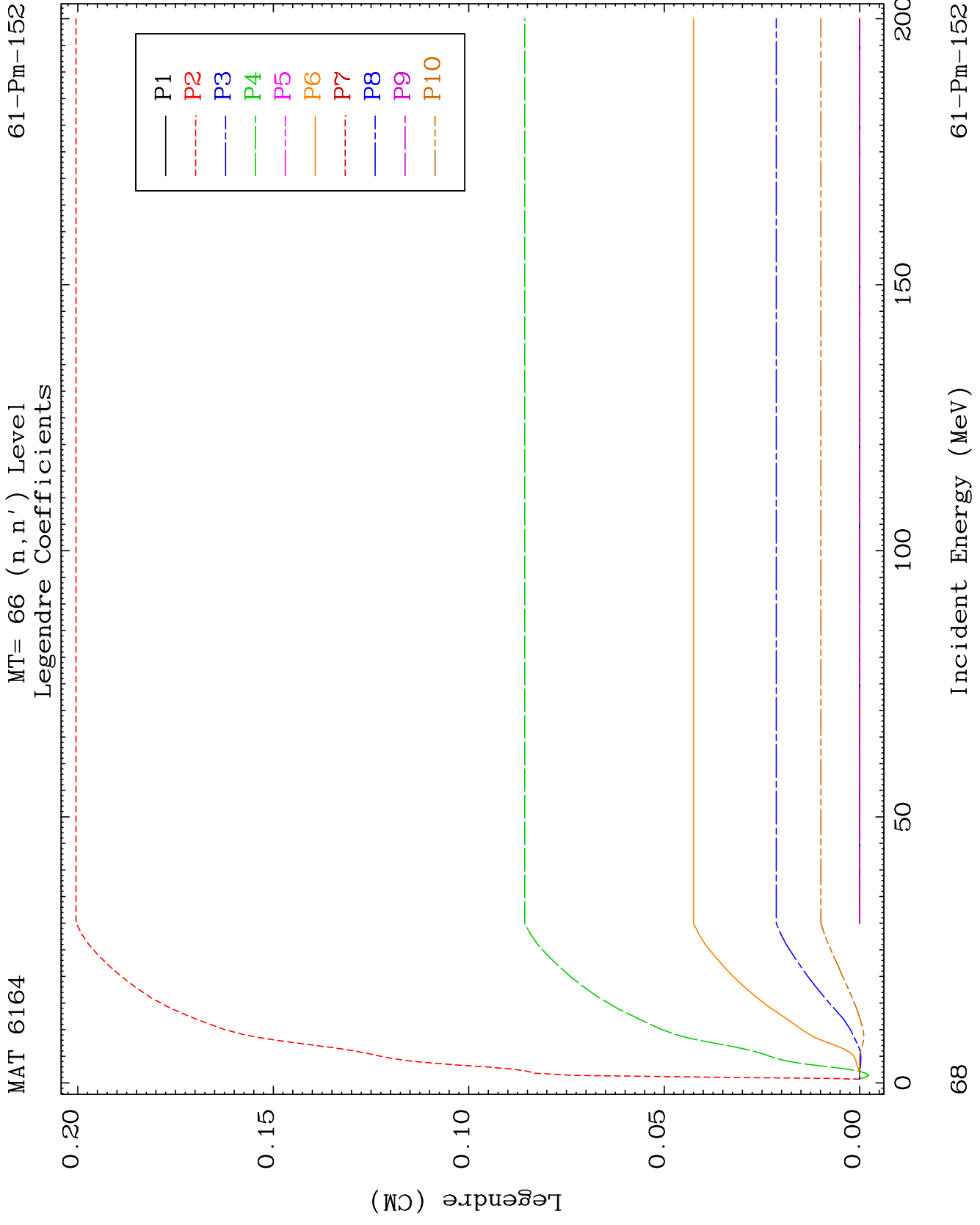
61-Pm-152



67

Incident Energy (MeV)

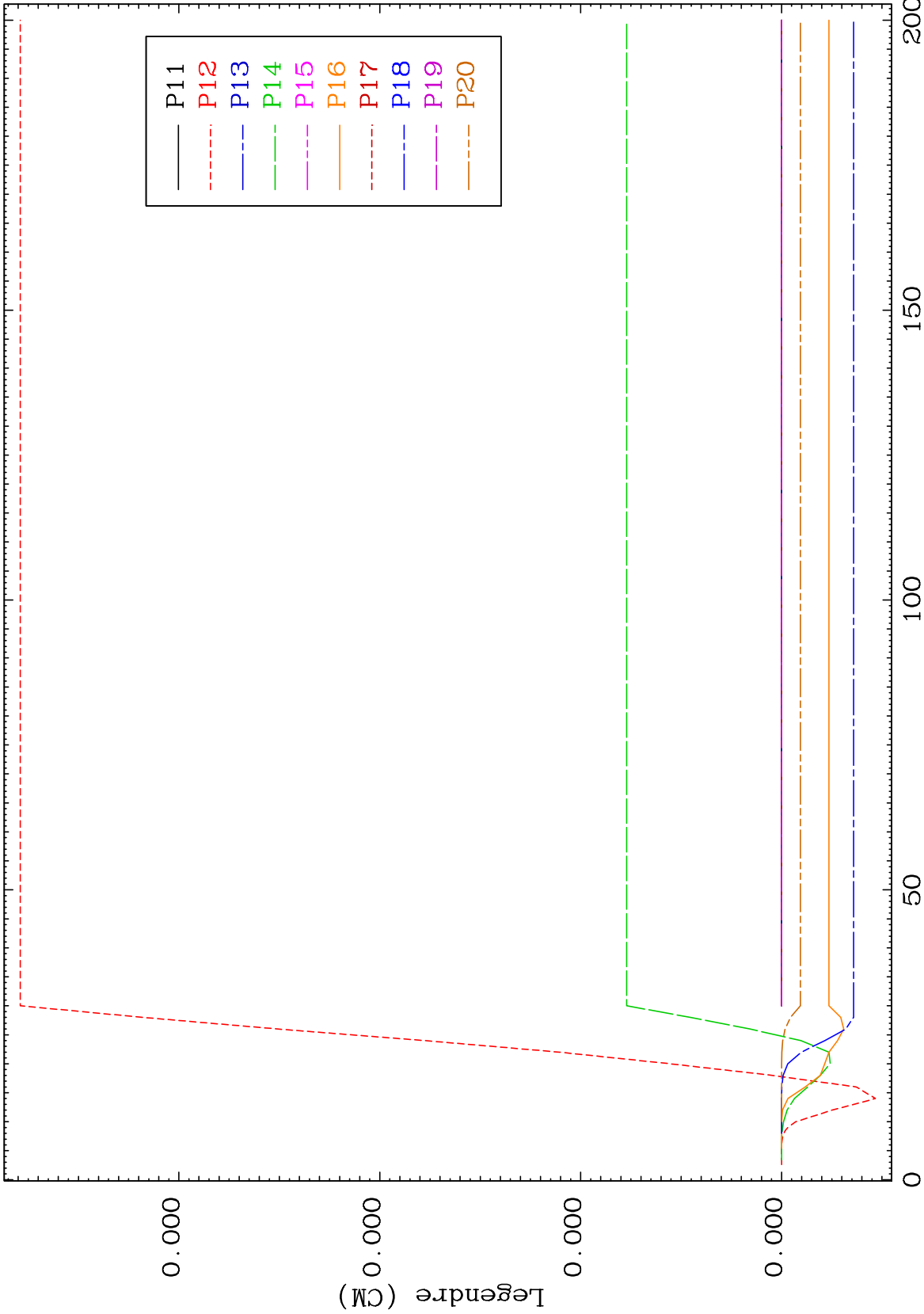
61-Pm-152



MAT 6164

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

61-Pm-152

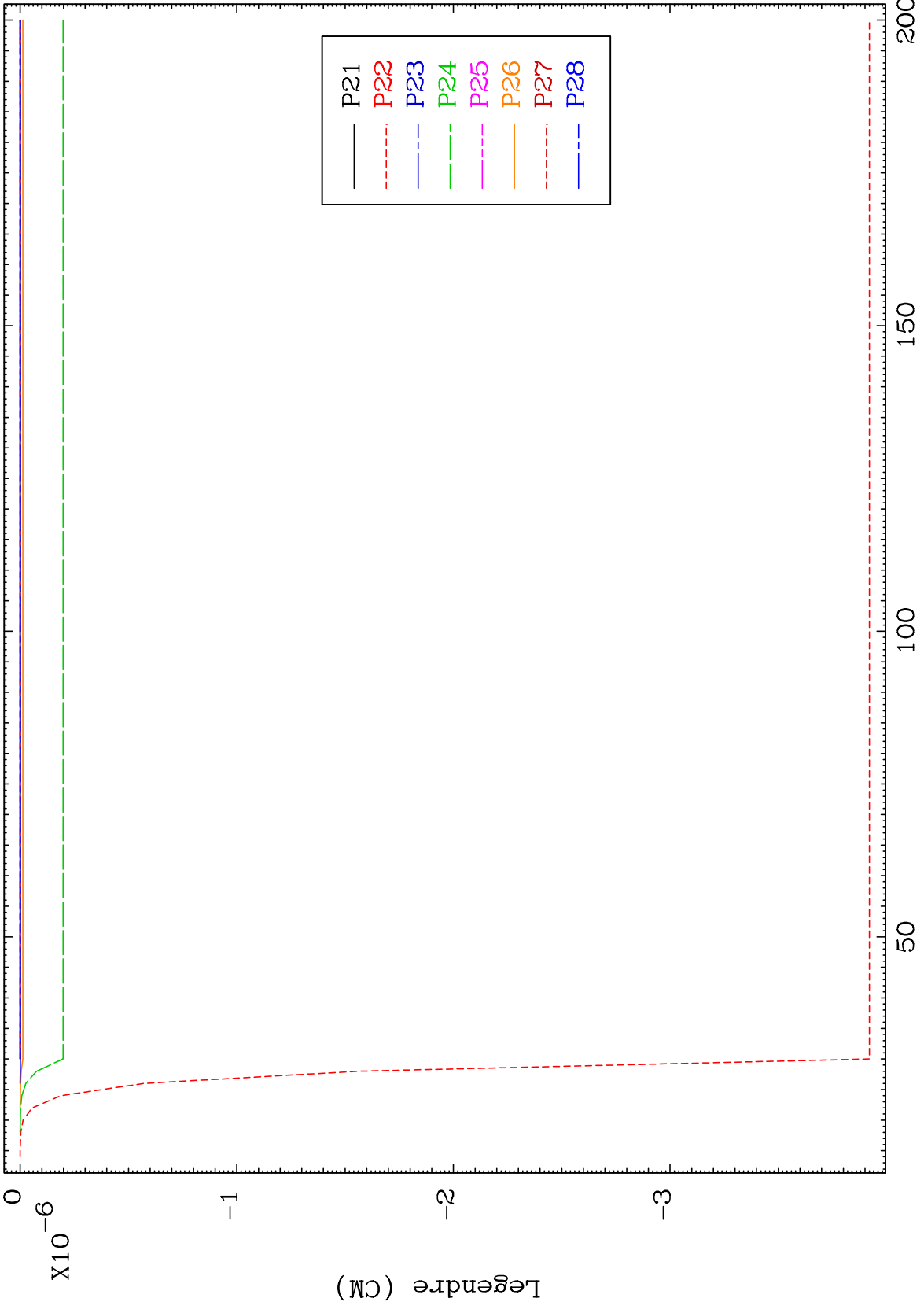


69

Incident Energy (MeV)

61-Pm-152

MAT 6164 MT= 66 (n,n') Level Legendre Coefficients 61-Pm-152

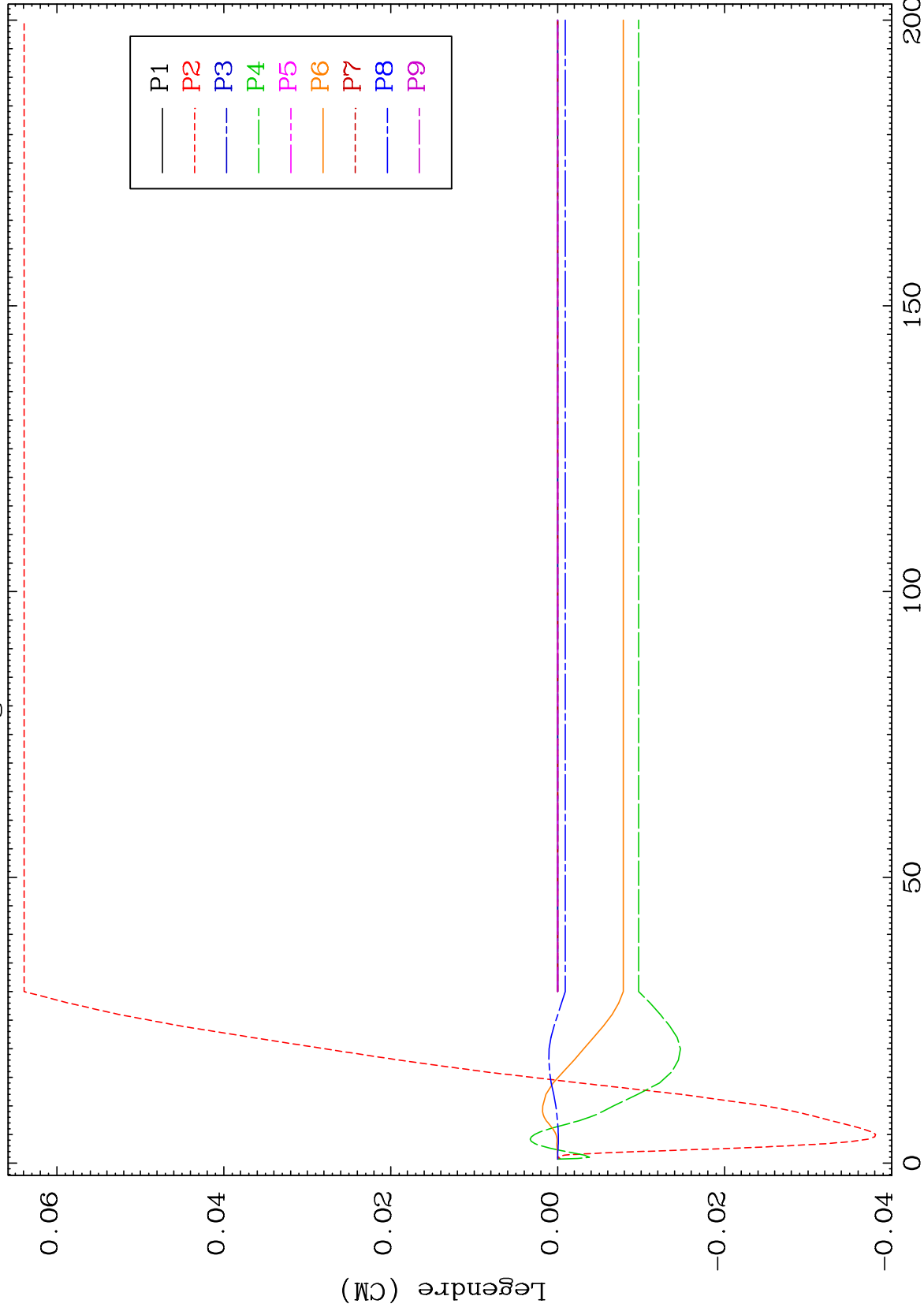


70 150 200 61-Pm-152

MAT 6164

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

61-Pm-152



71

Incident Energy (MeV)

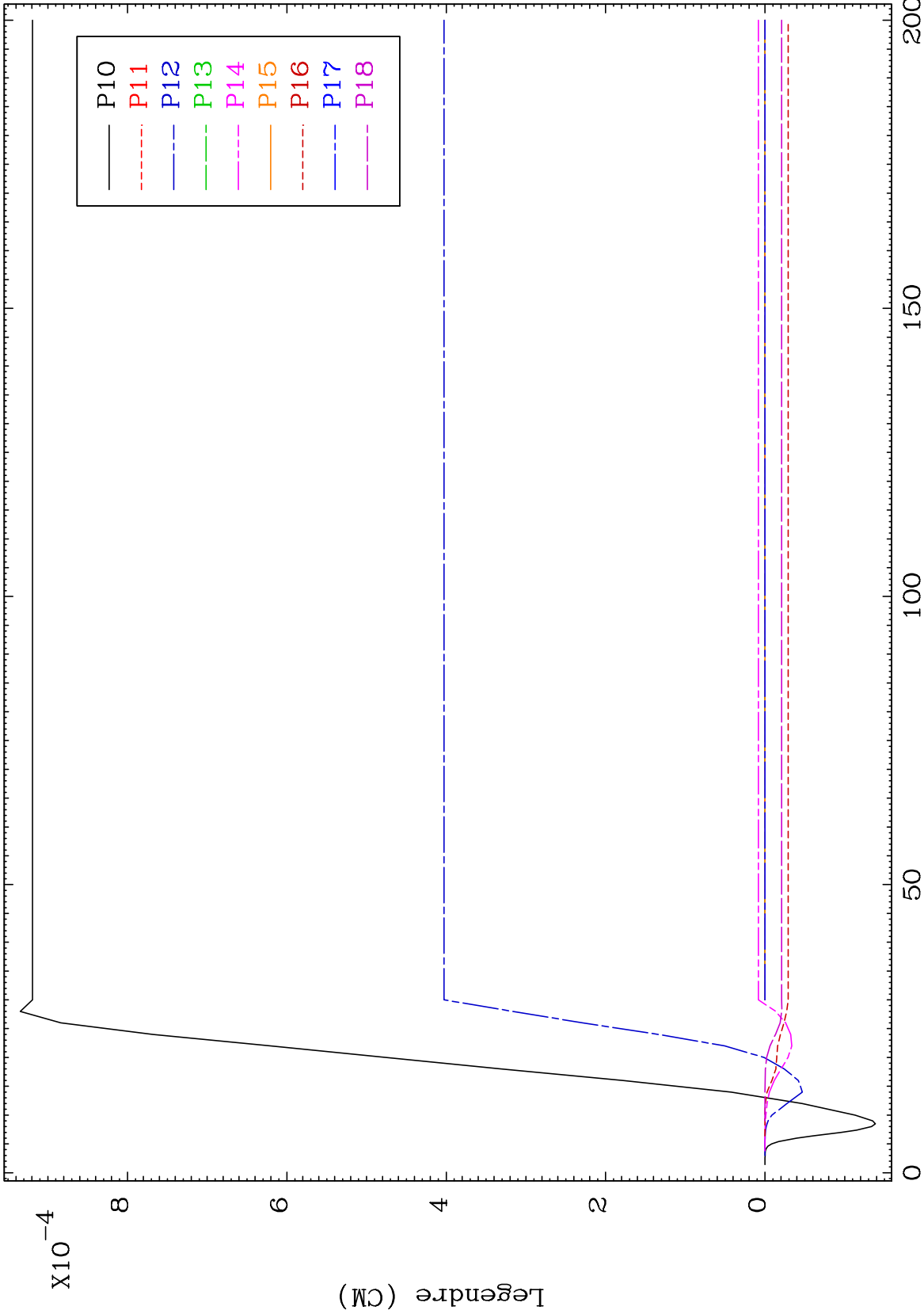
61-Pm-152



MAT 6164

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

61-Pm-152



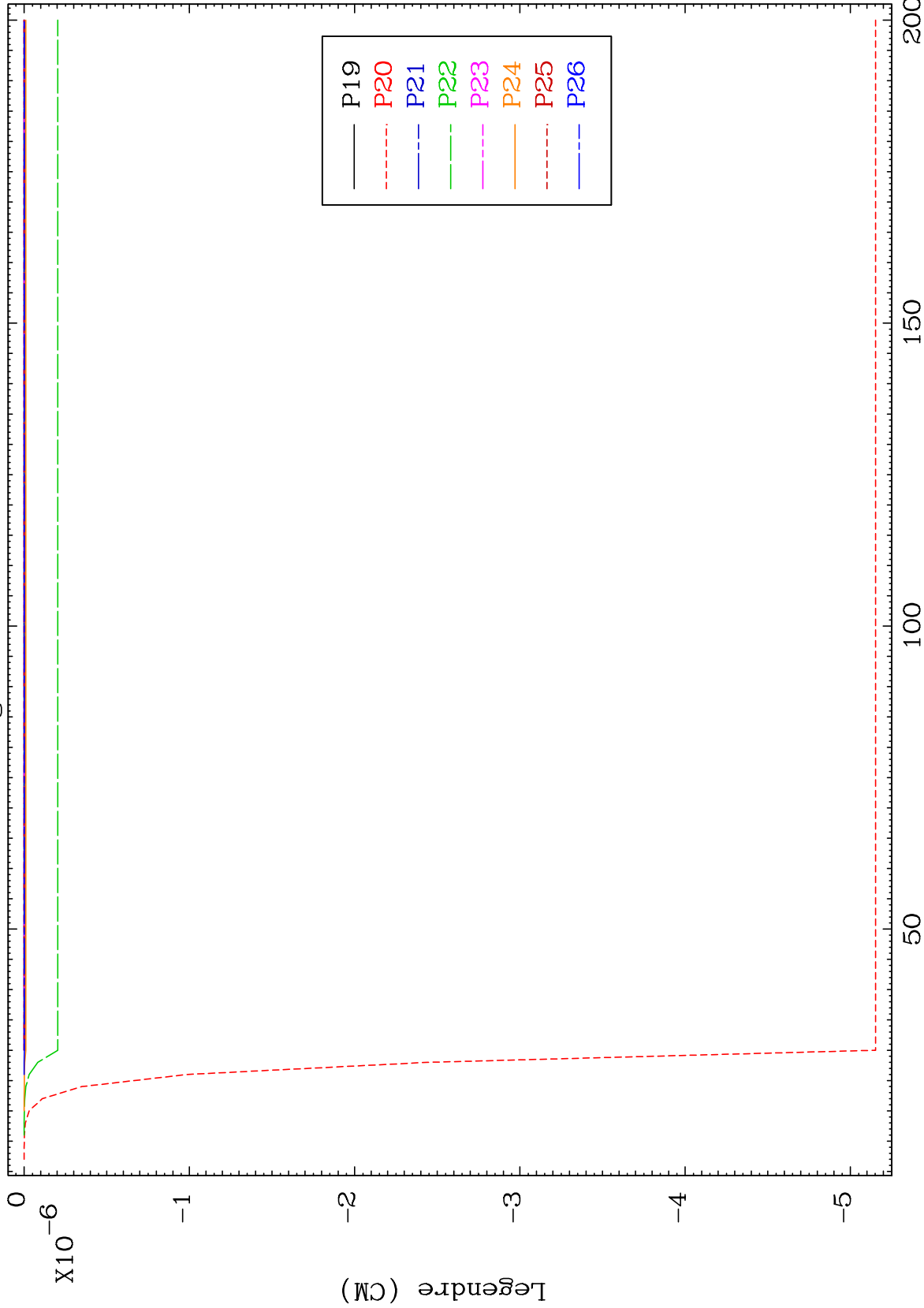
72

61-Pm-152

MAT 6164

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

61-Pm-152



73

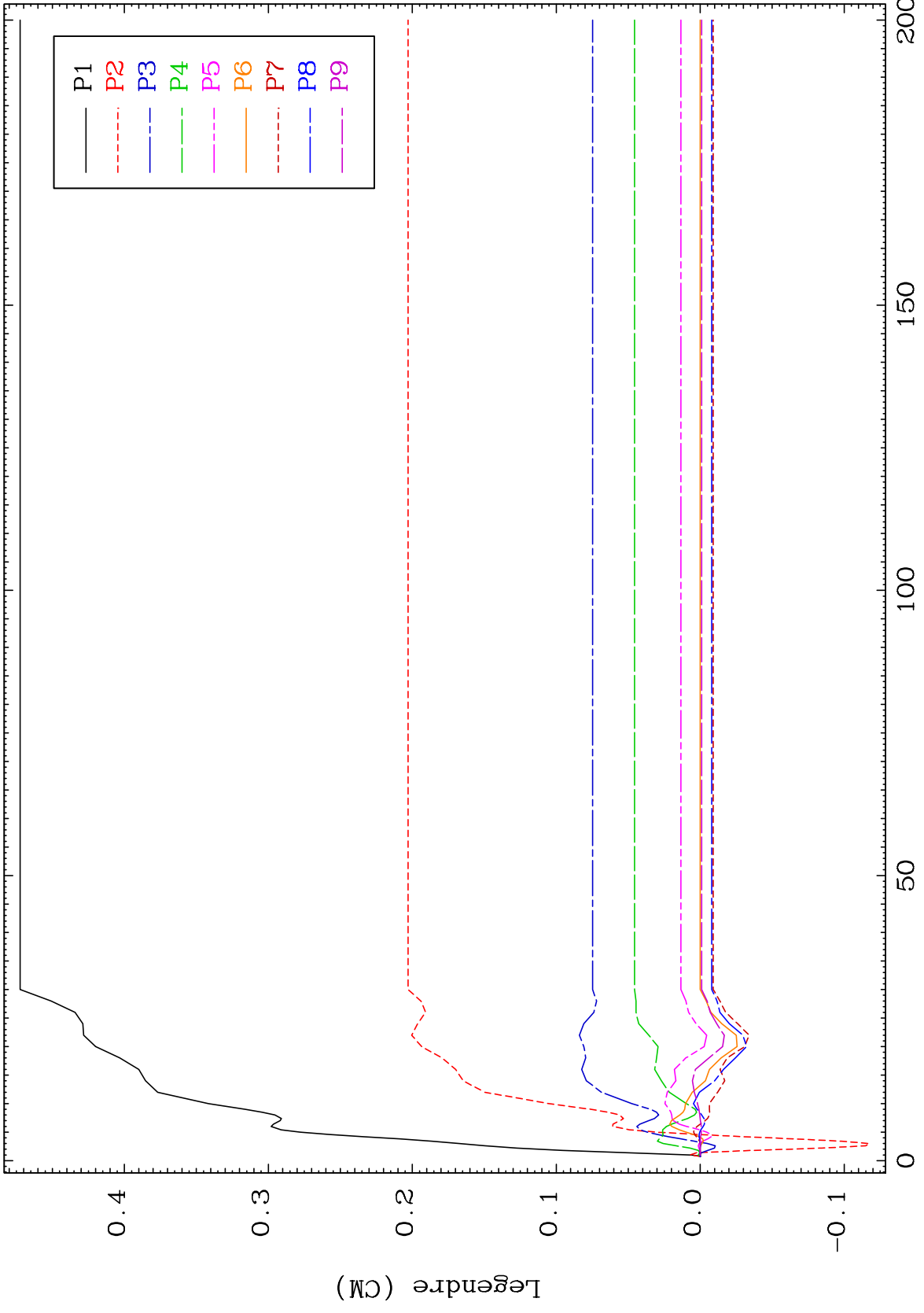
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



74

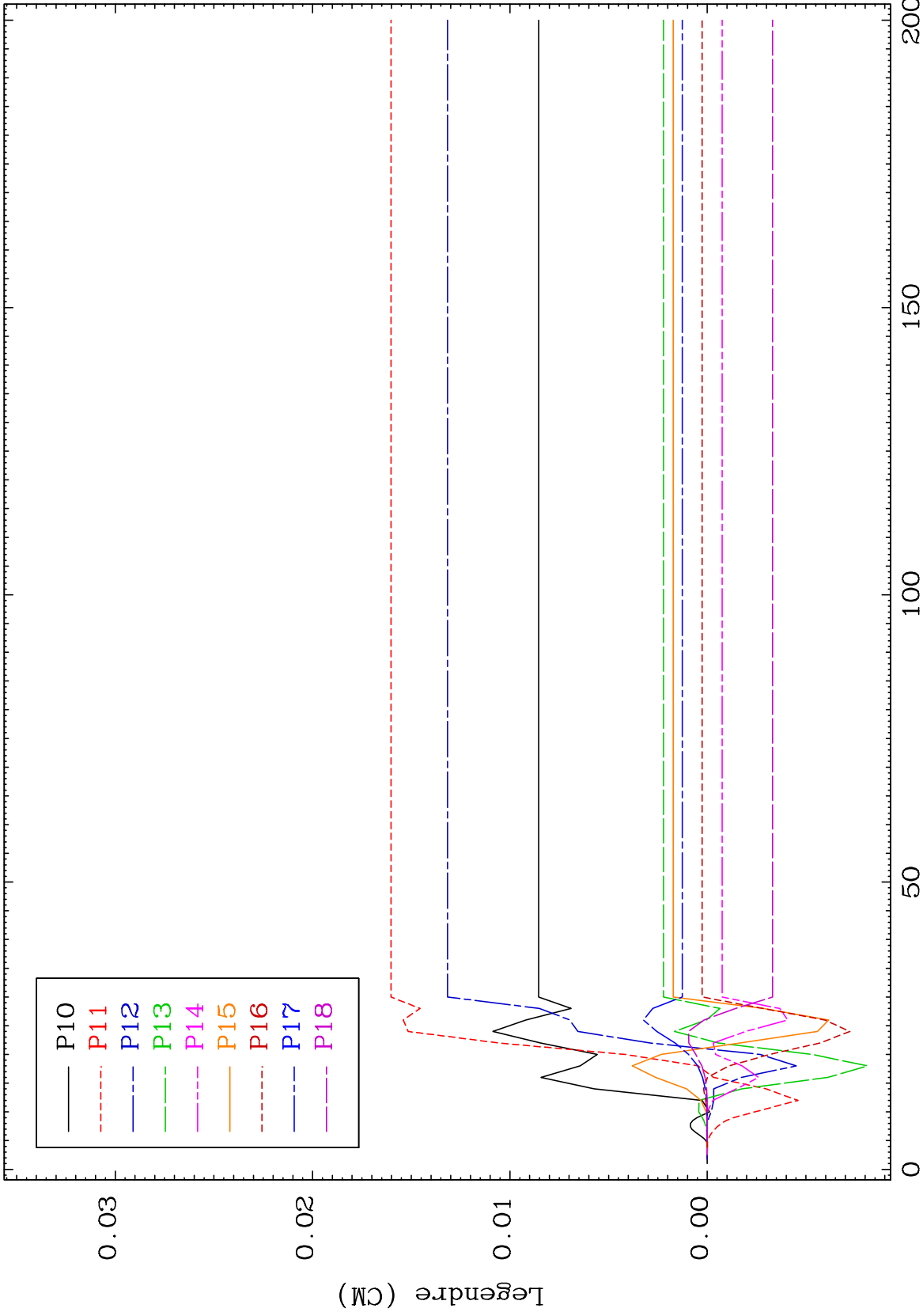
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



75

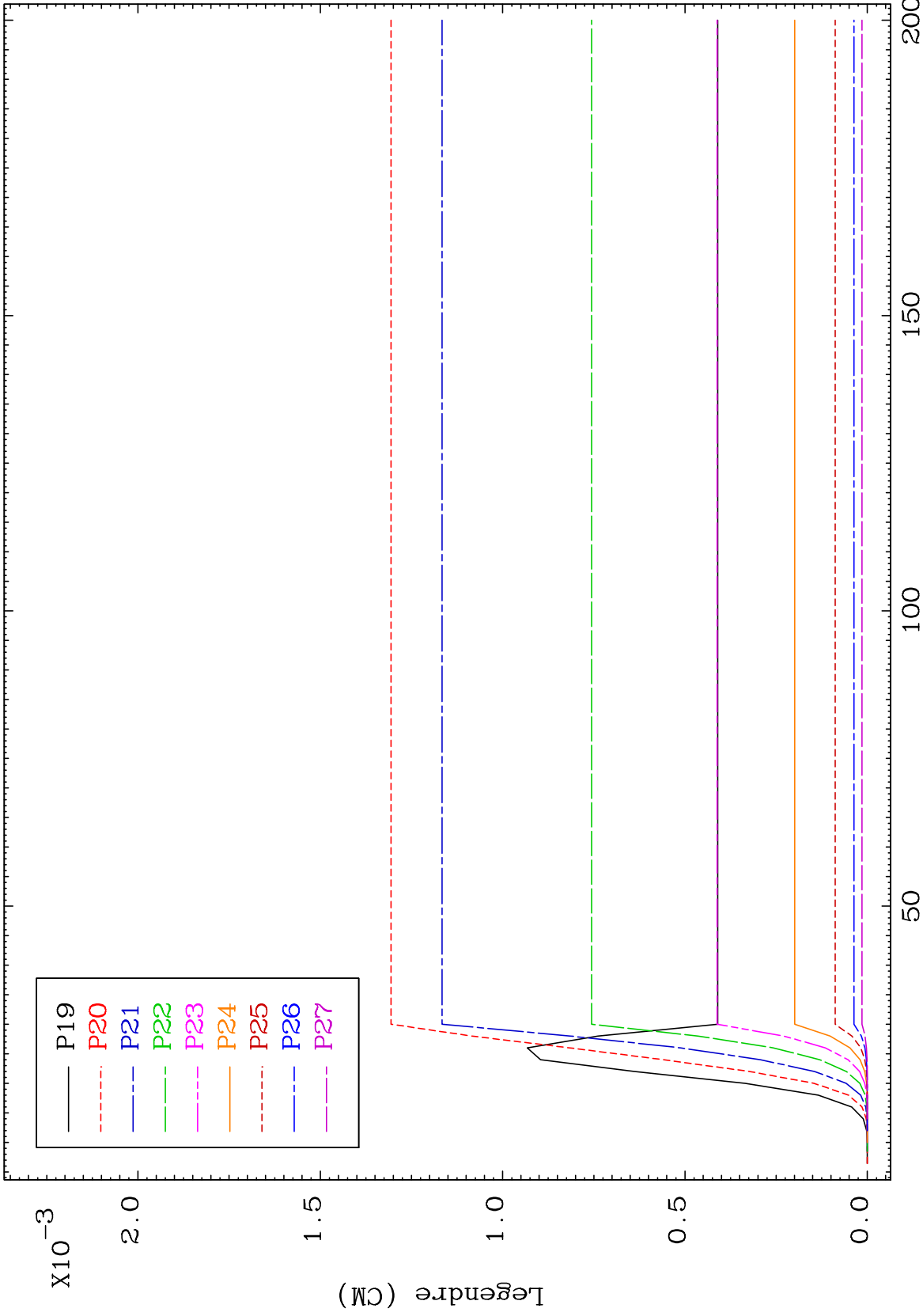
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



76

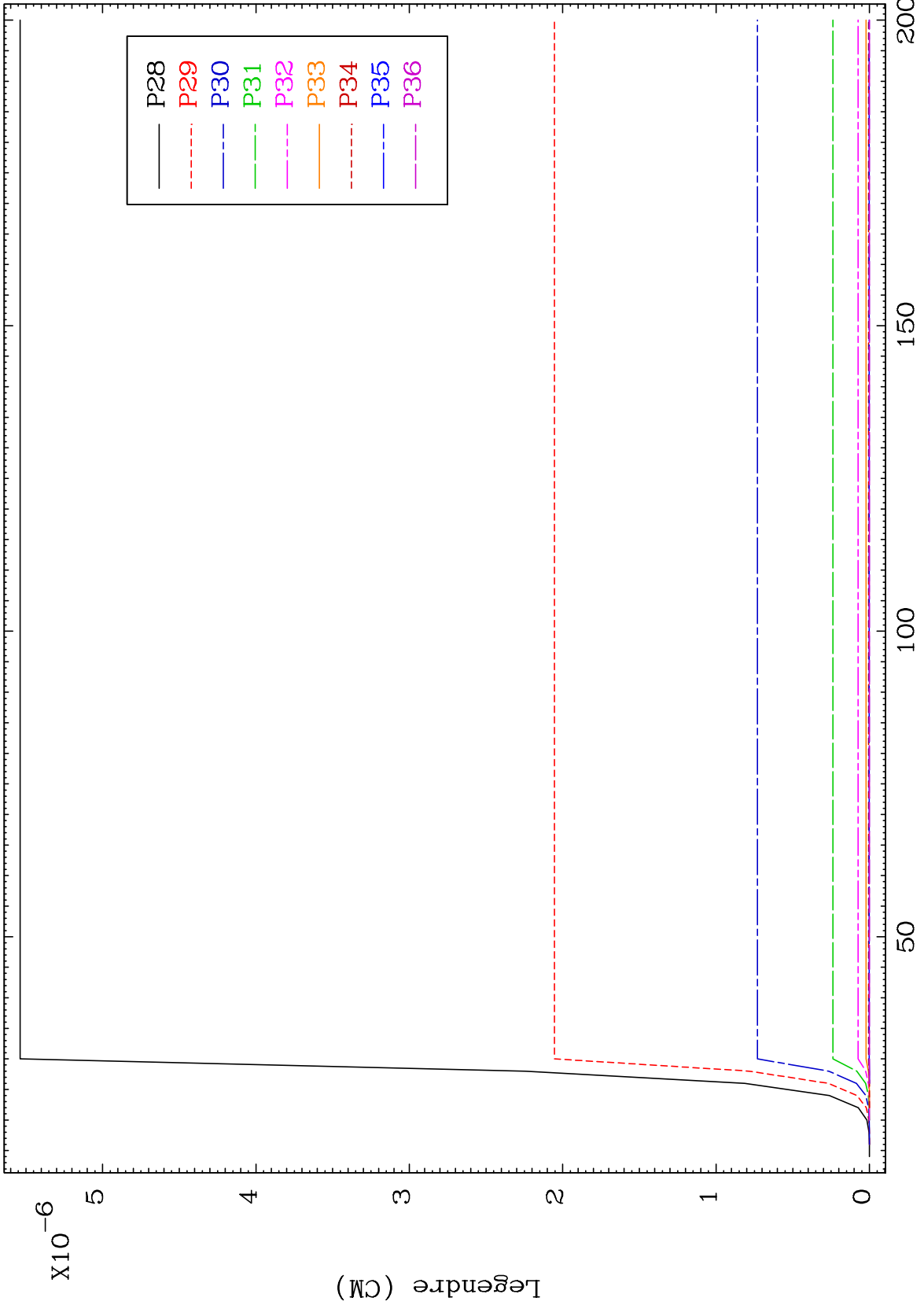
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152

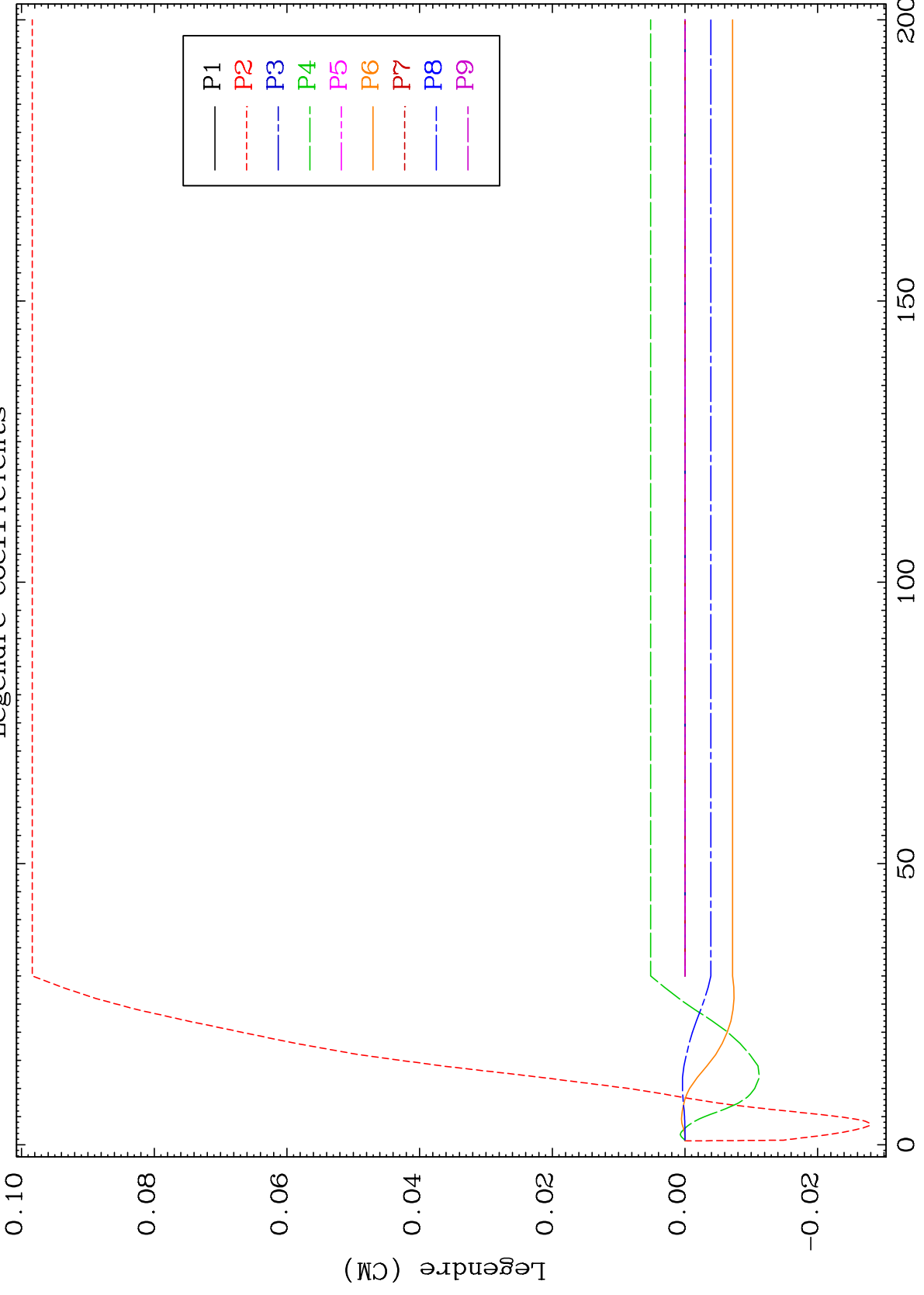


77

Incident Energy (MeV)

61-Pm-152

MAT 6164 MT= 69 (n,n') Level Legendre Coefficients 61-Pm-152

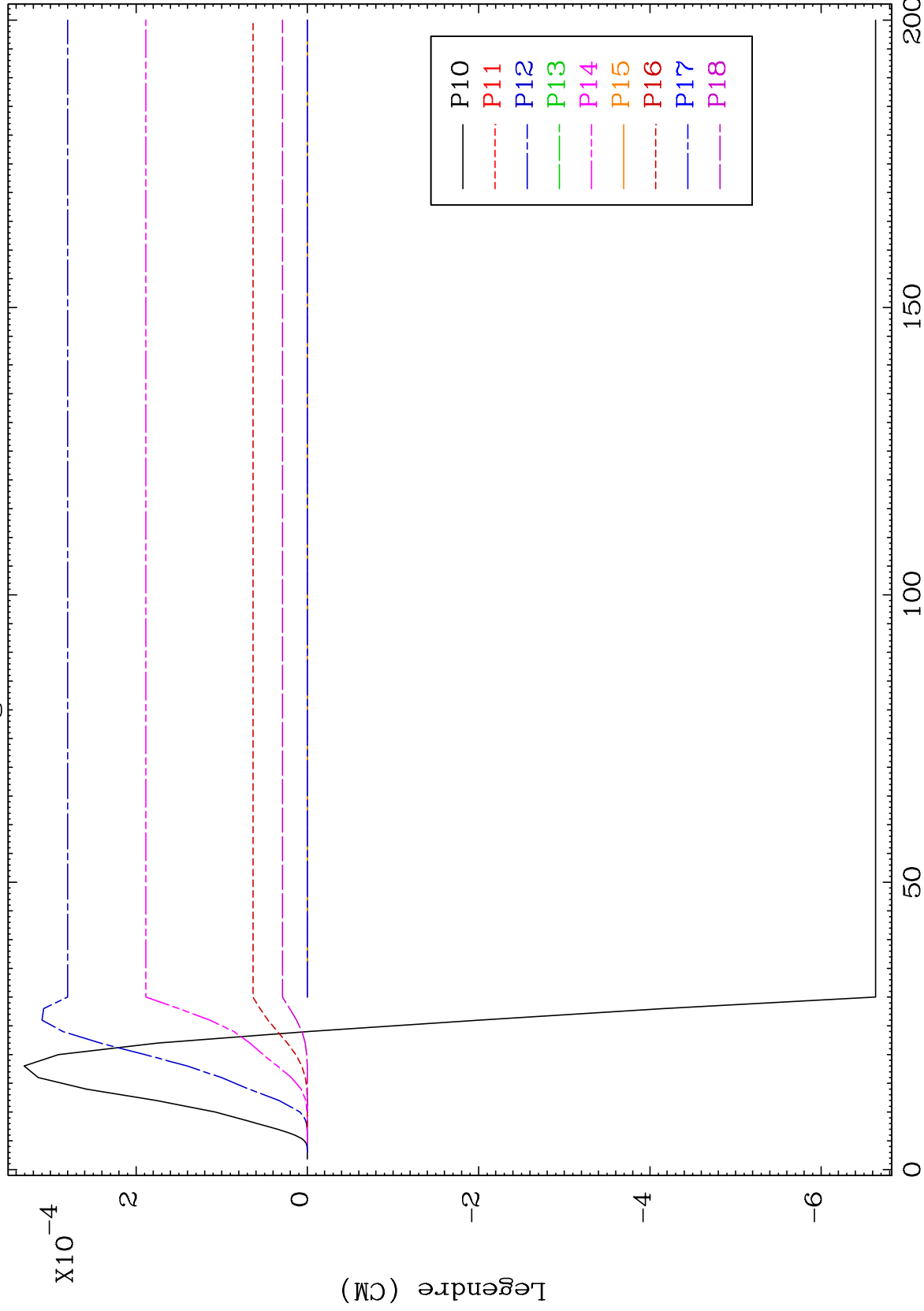


78 Incident Energy (MeV) 61-Pm-152

MAT 6164

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

61-Pm-152



79

Incident Energy (MeV)

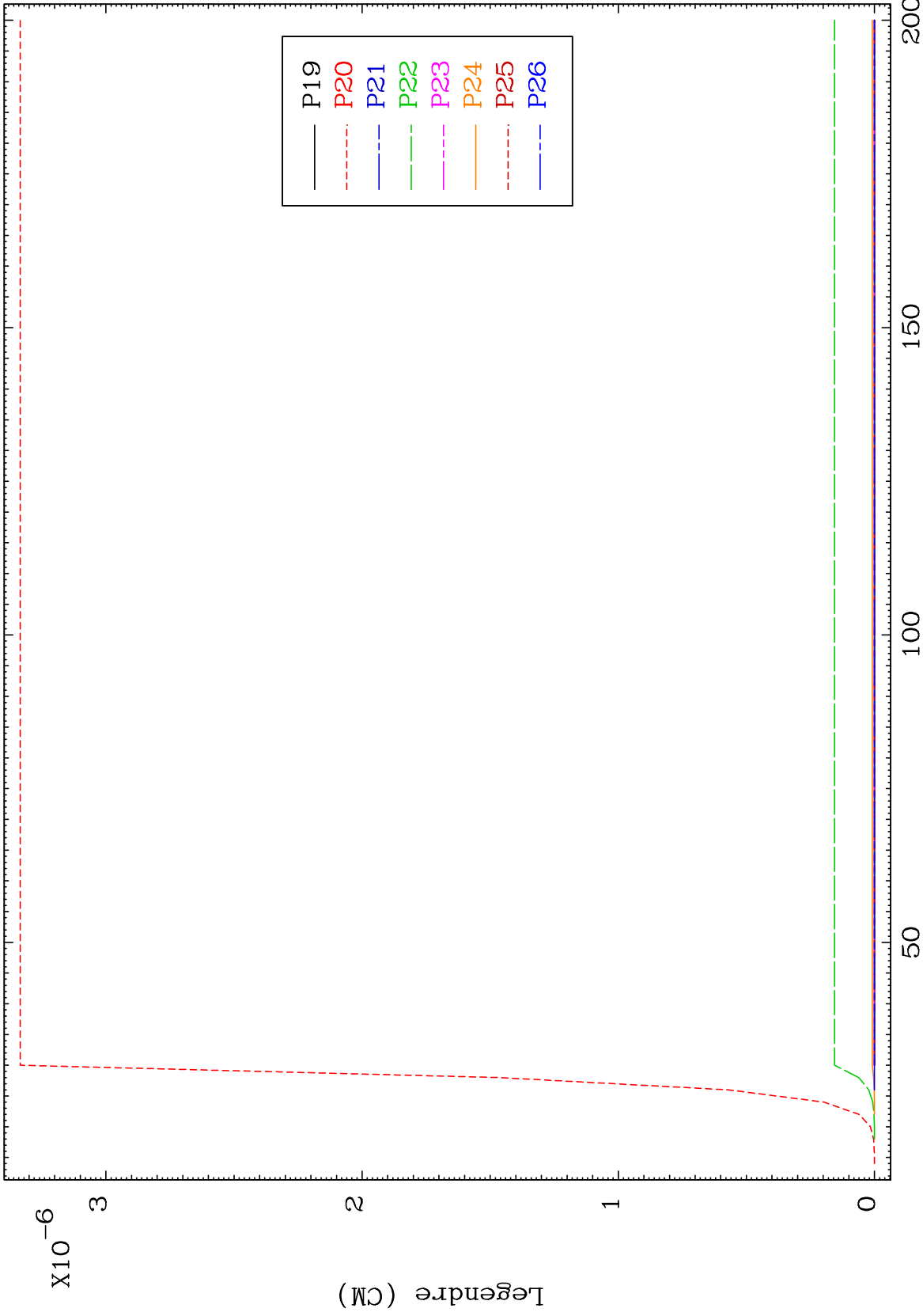
61-Pm-152



MAT 6164

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

61-Pm-152



80

Incident Energy (MeV)

50

100

150

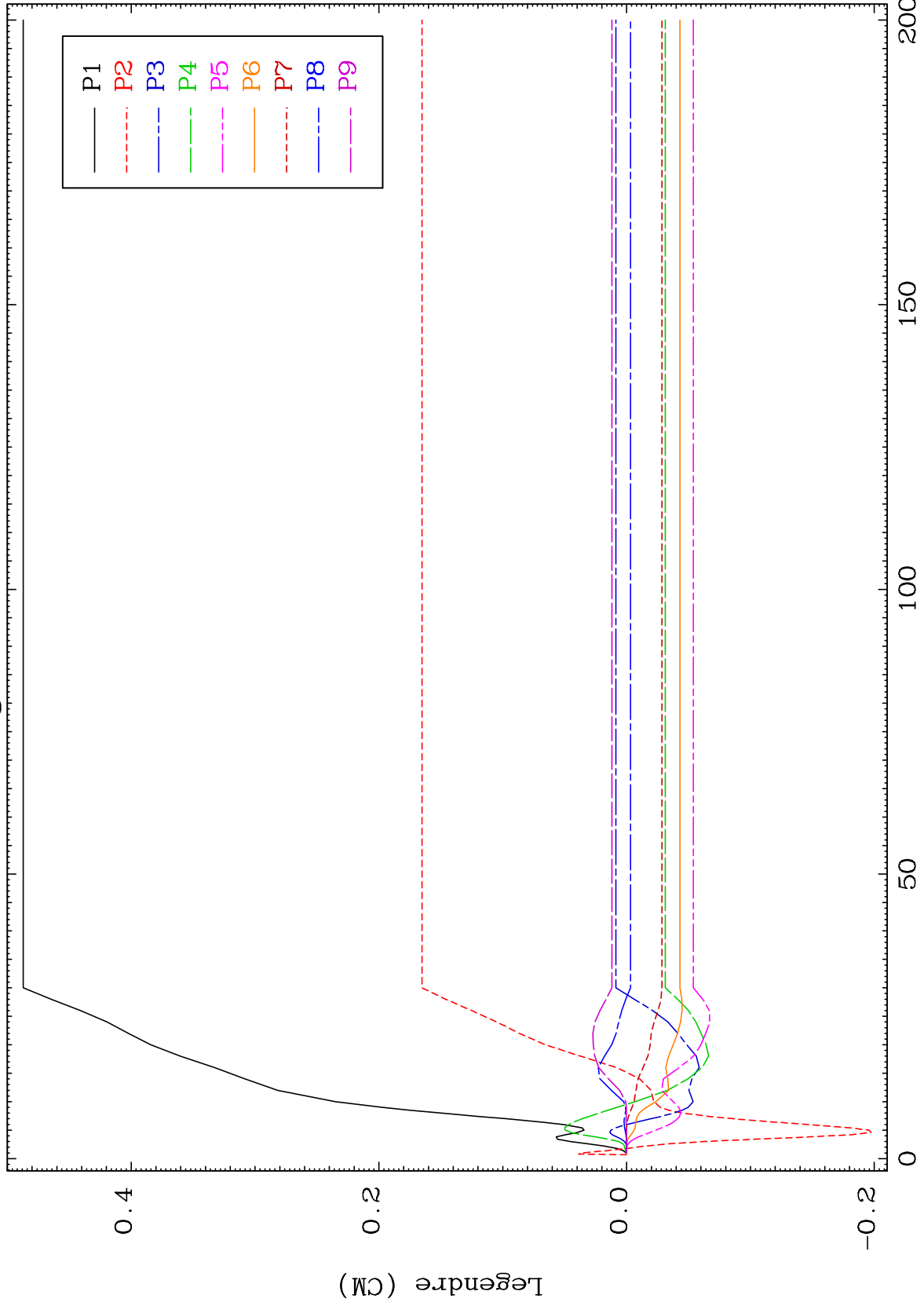
200

61-Pm-152

MAT 6164

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

61-Pm-152



81

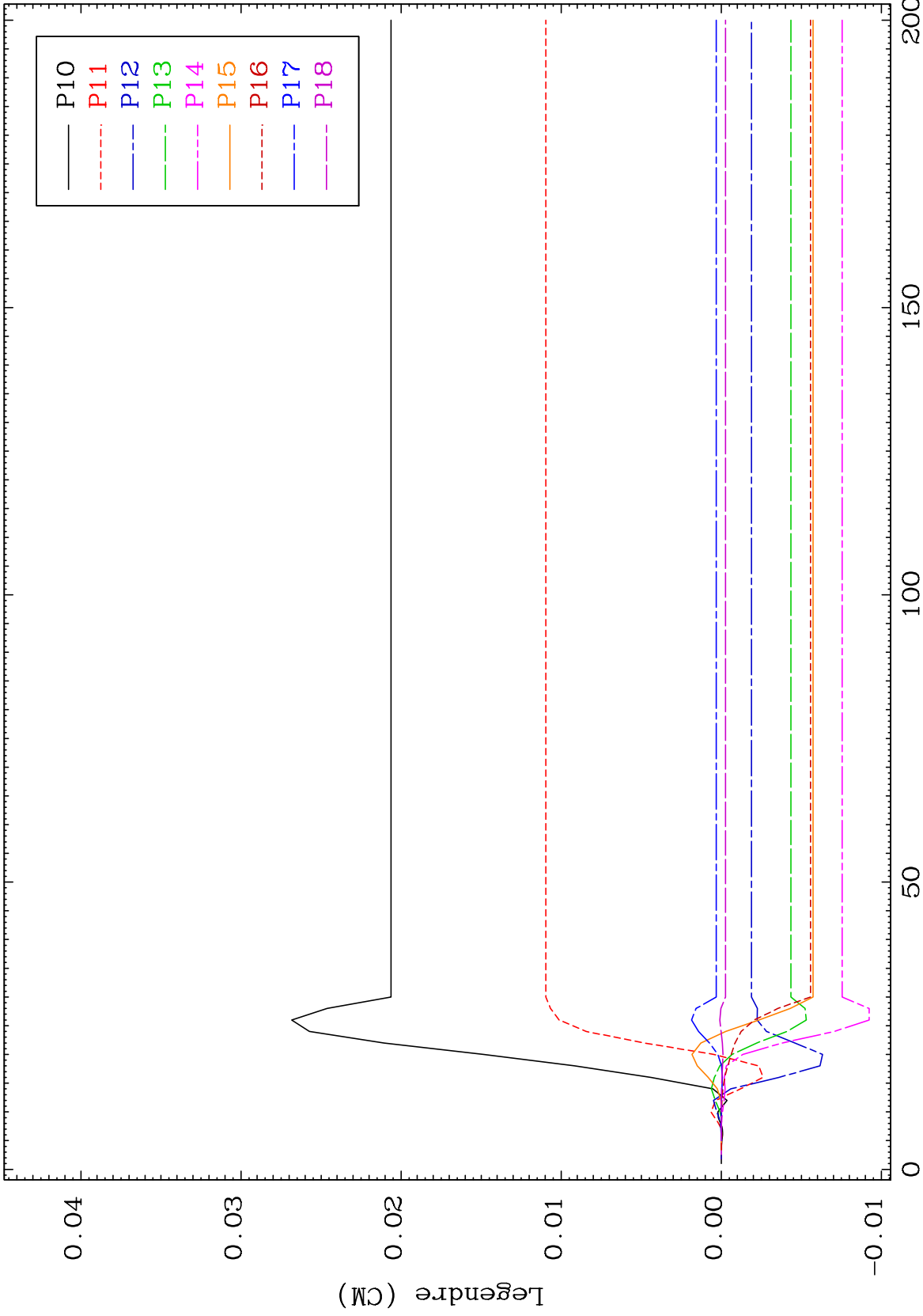
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



82

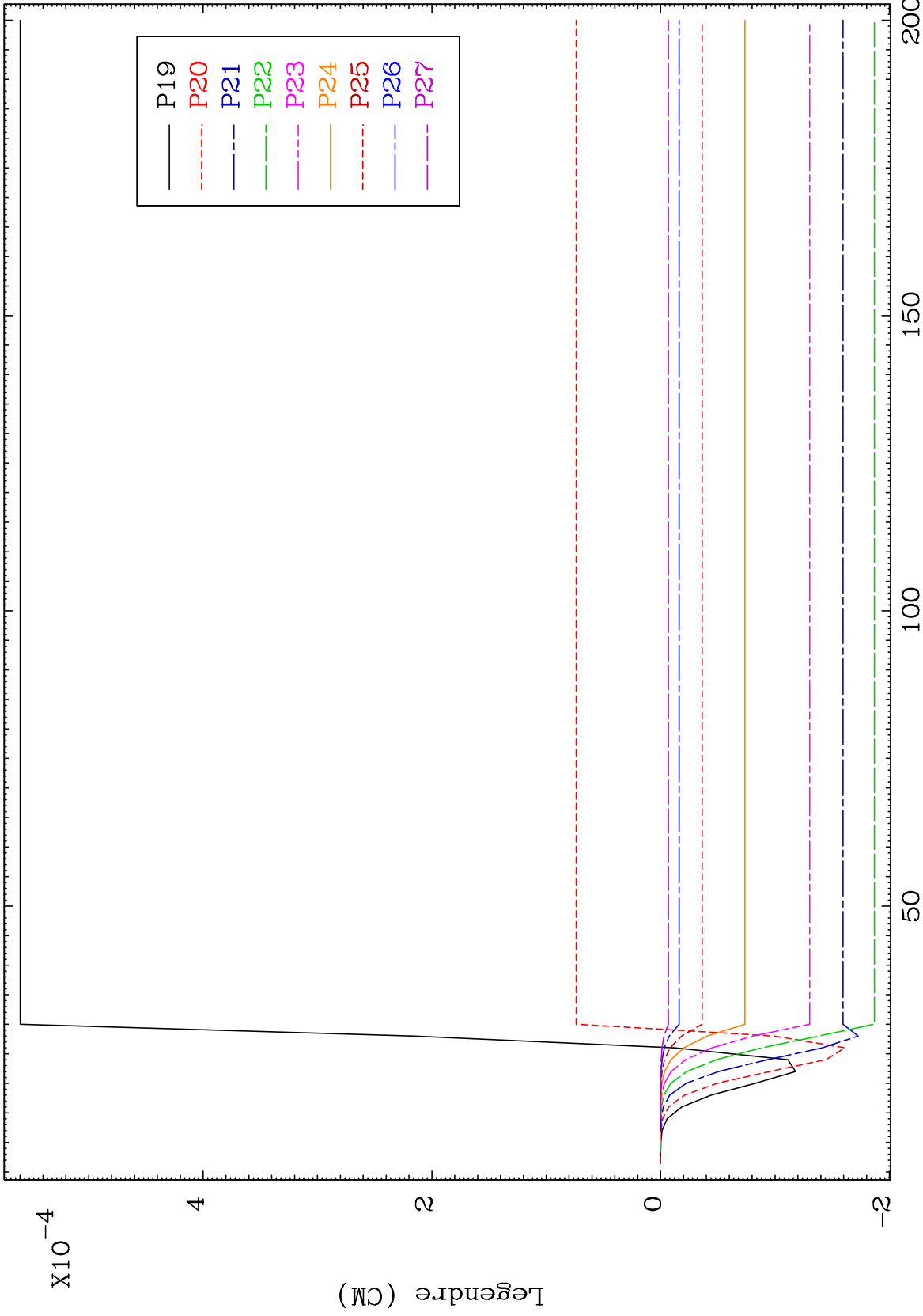
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



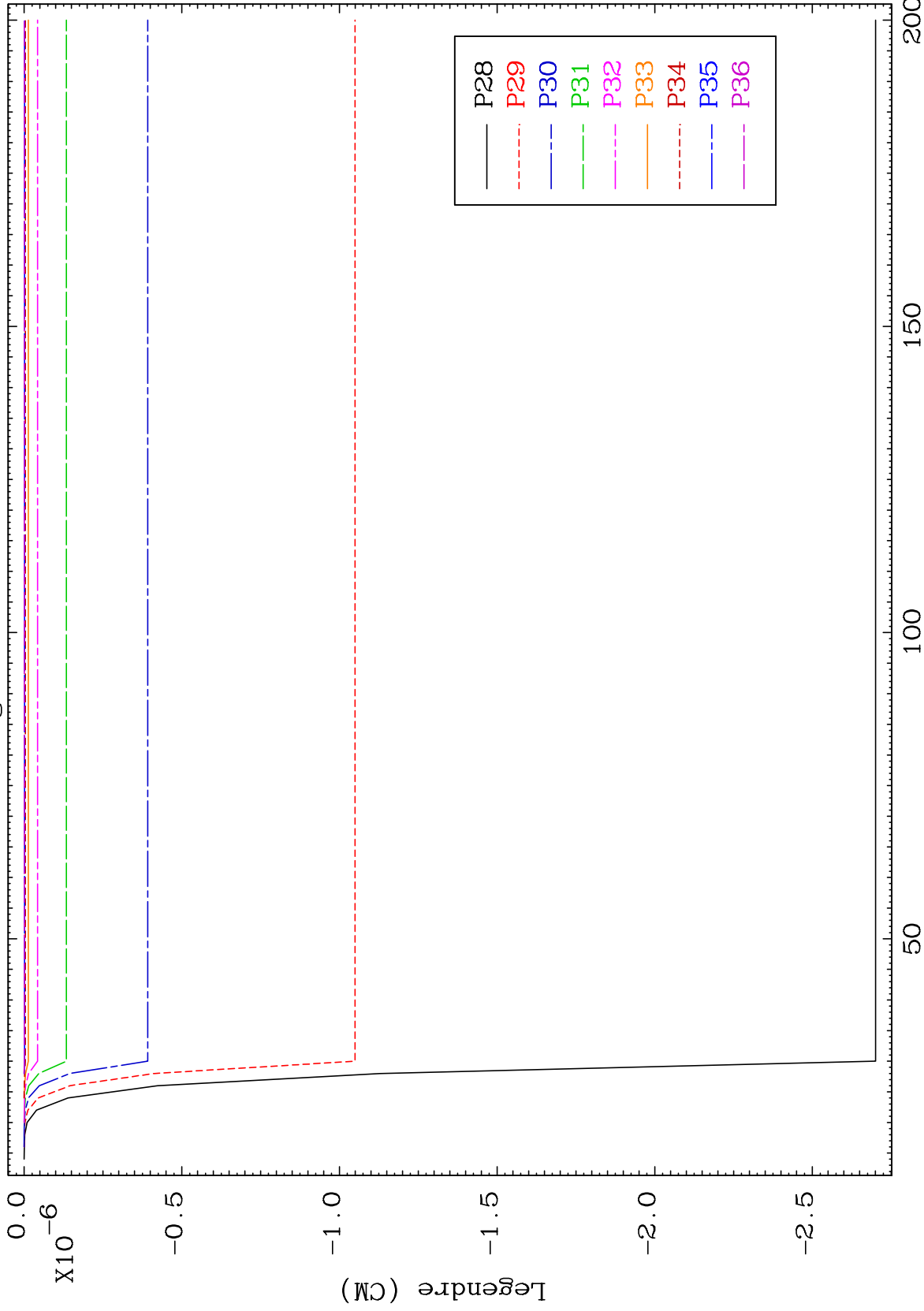
83

61-Pm-152

MAT 6164

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

61-Pm-152



84

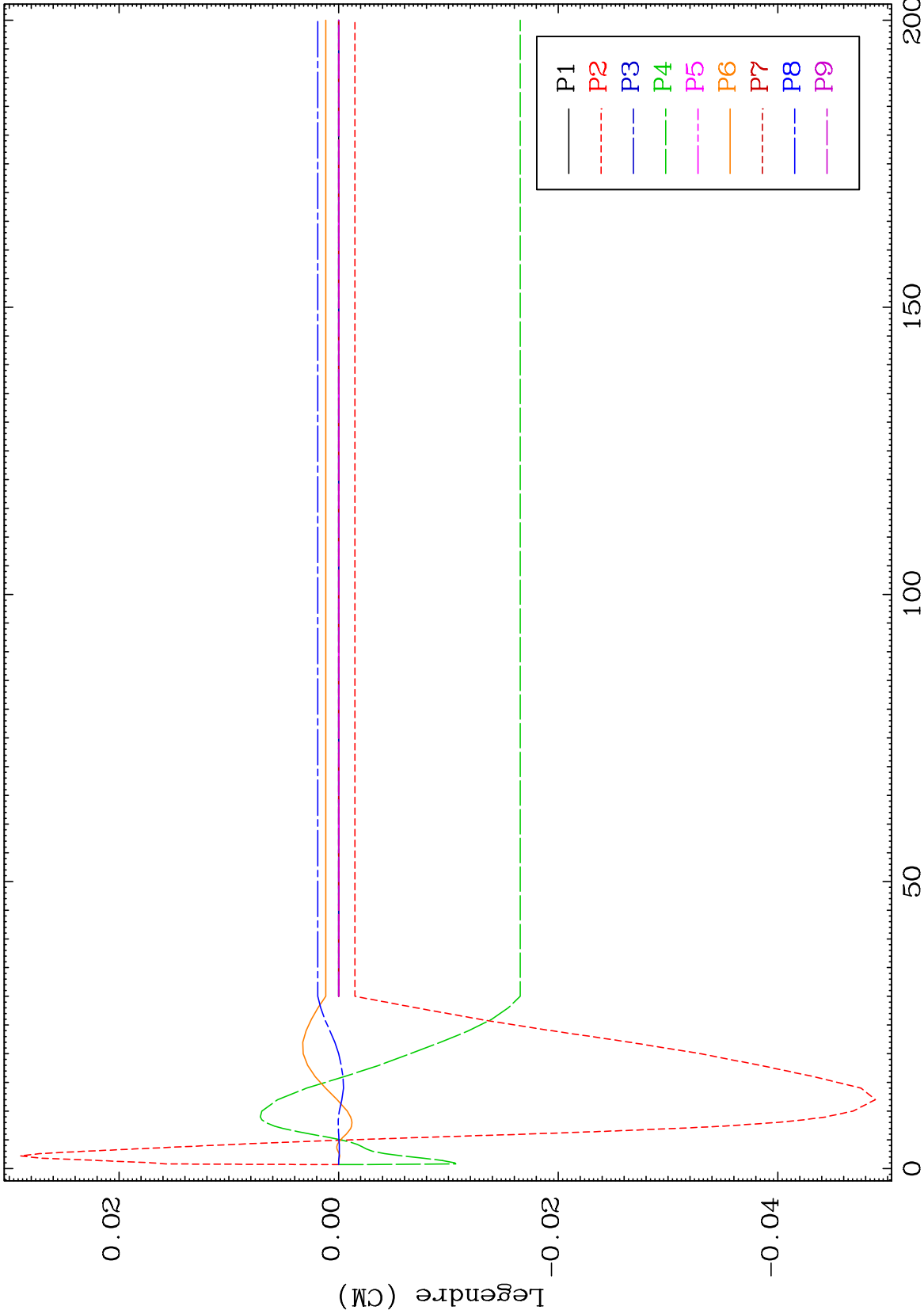
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



85

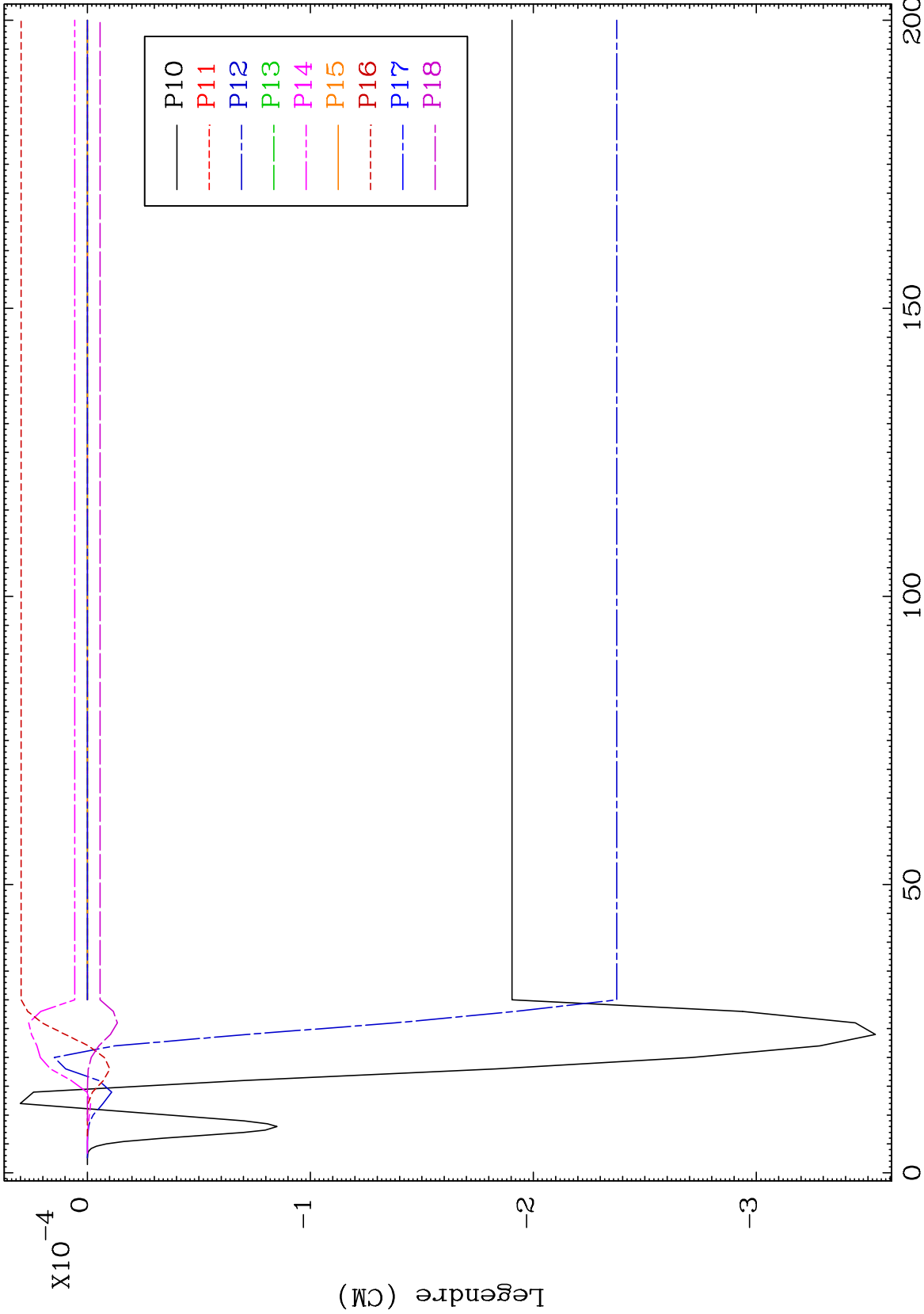
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152

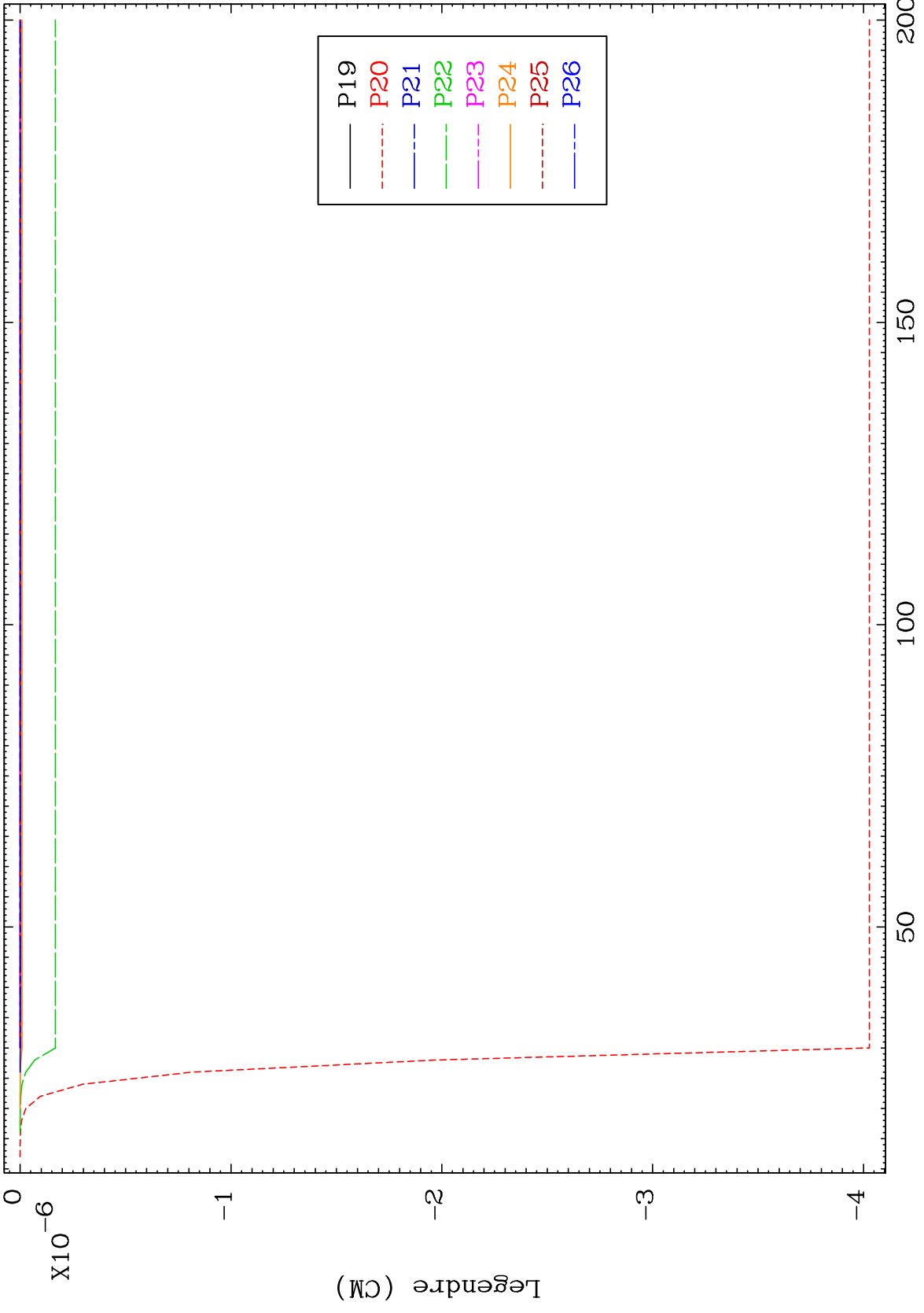


86

Incident Energy (MeV)

61-Pm-152

MAT 6164 MT= 71 (n,n') Level Legendre Coefficients 61-Pm-152



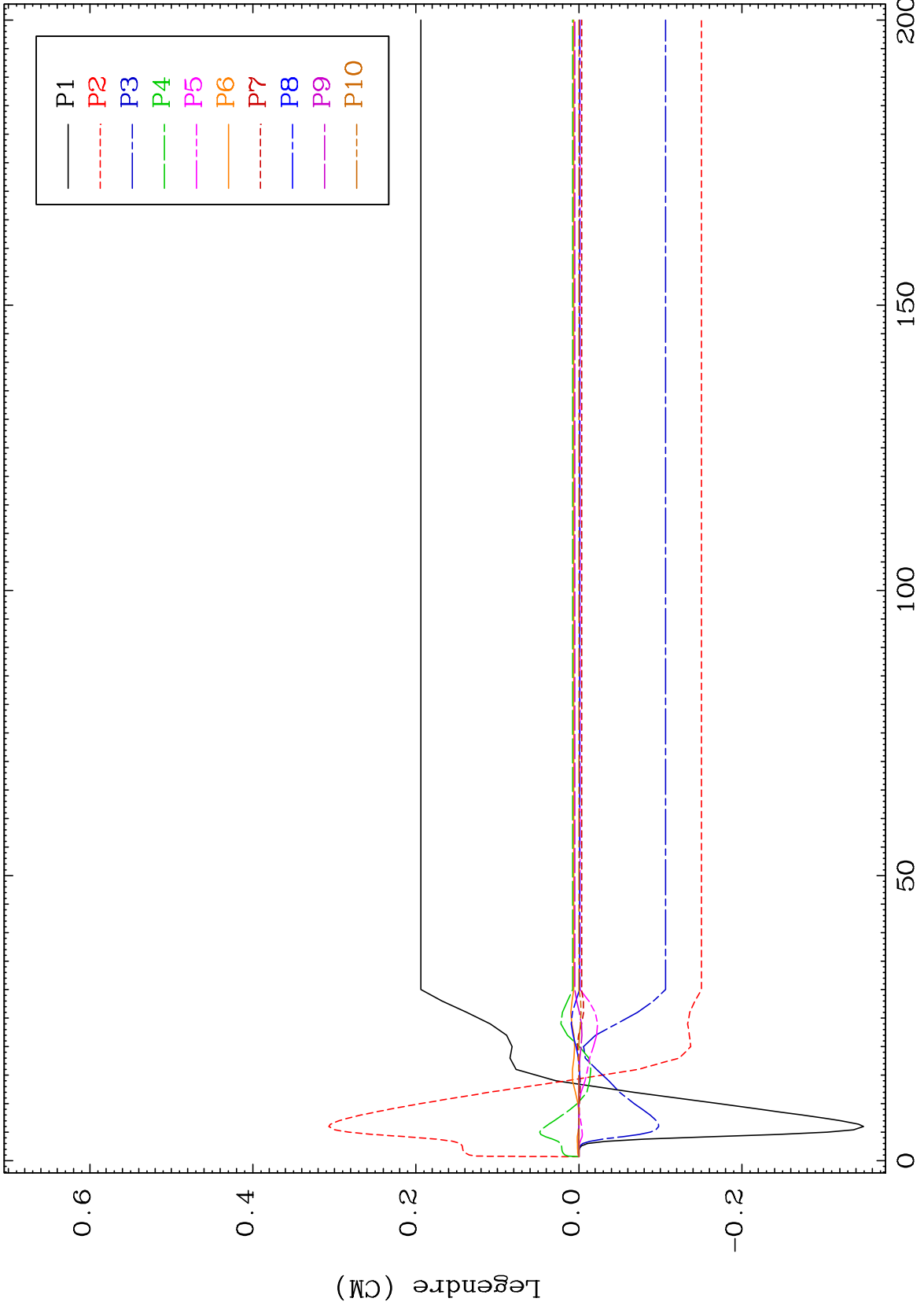
87 61-Pm-152



MAT 6164

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

61-Pm-152



88

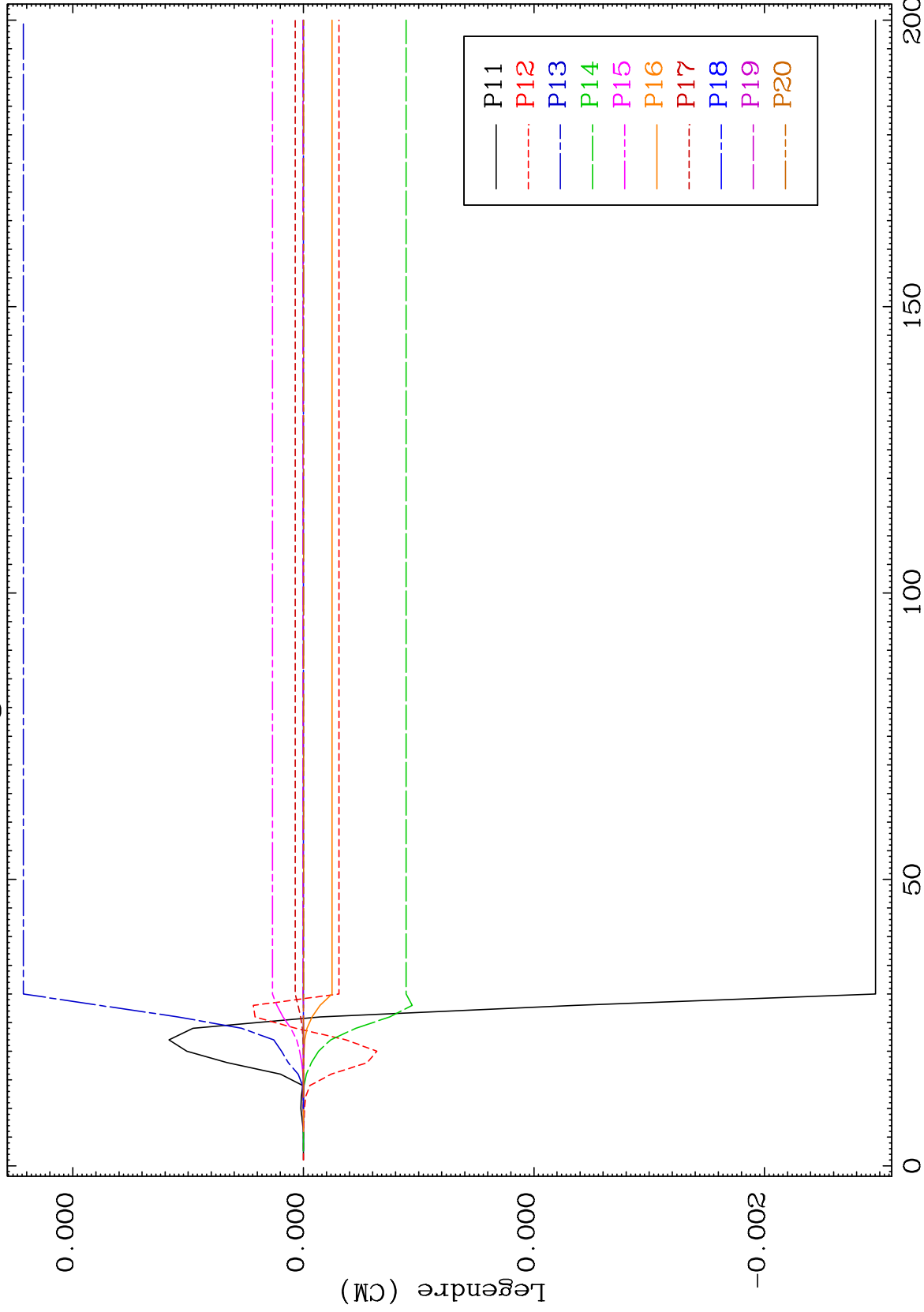
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



89

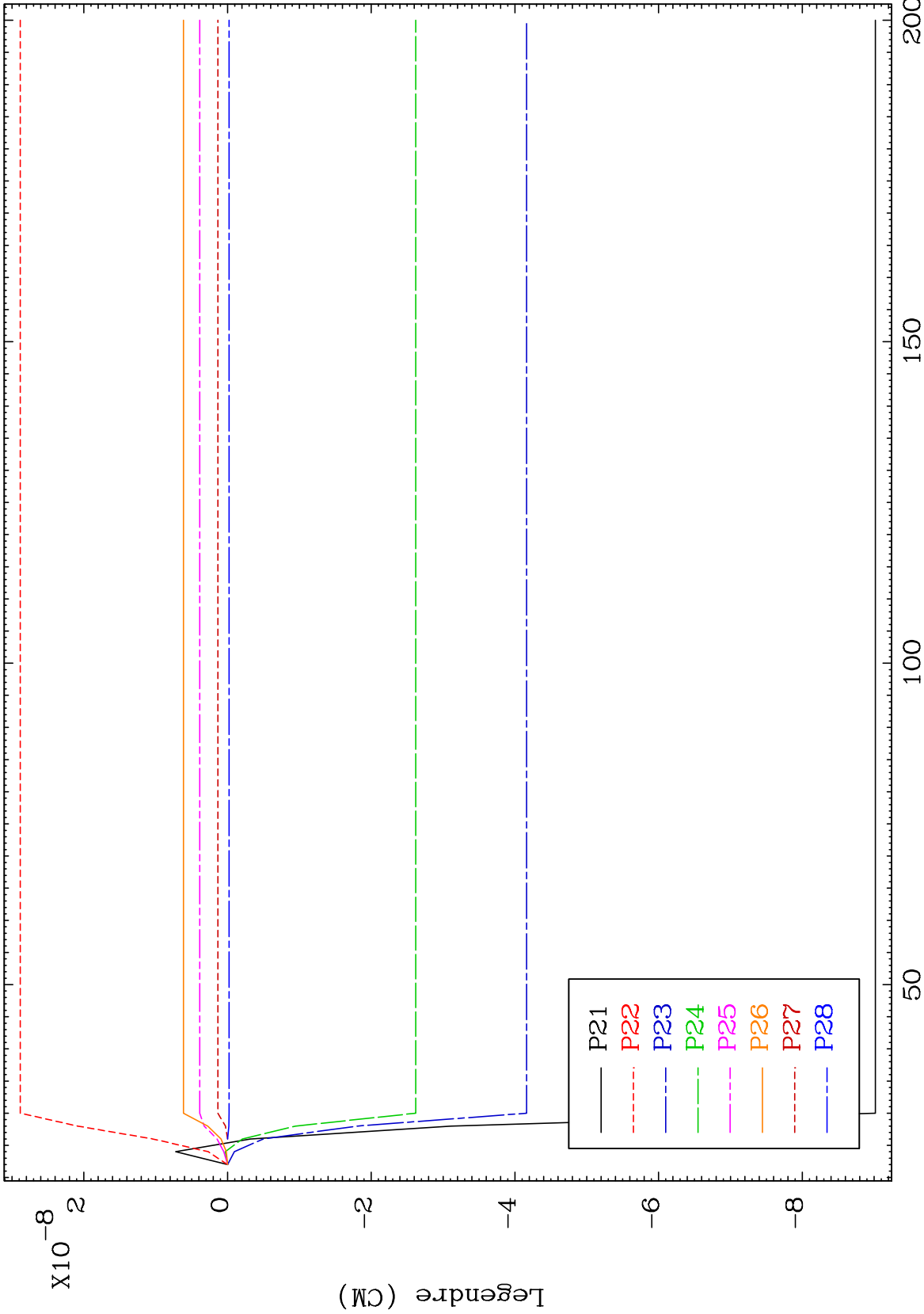
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



90

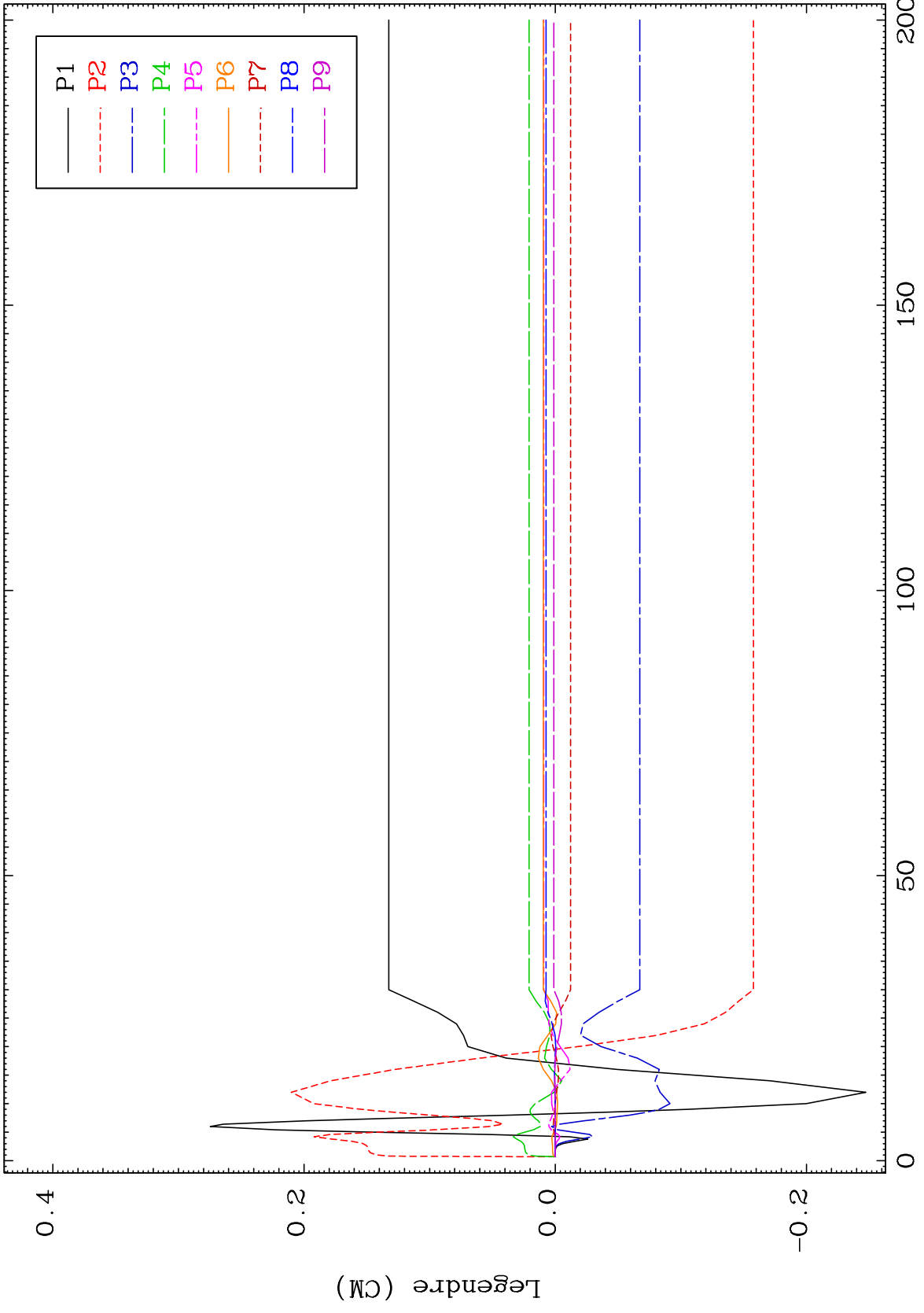
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



91

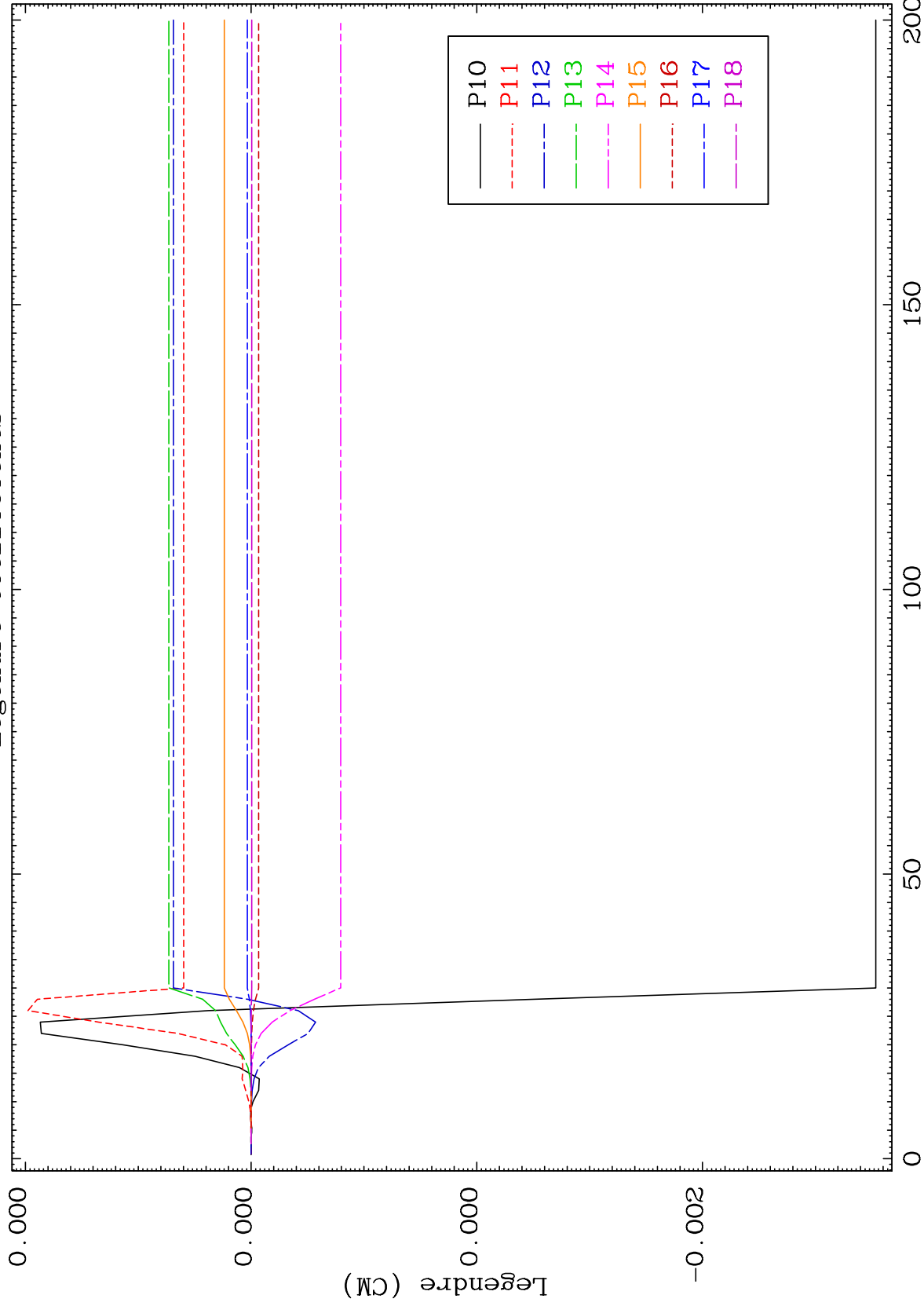
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



92

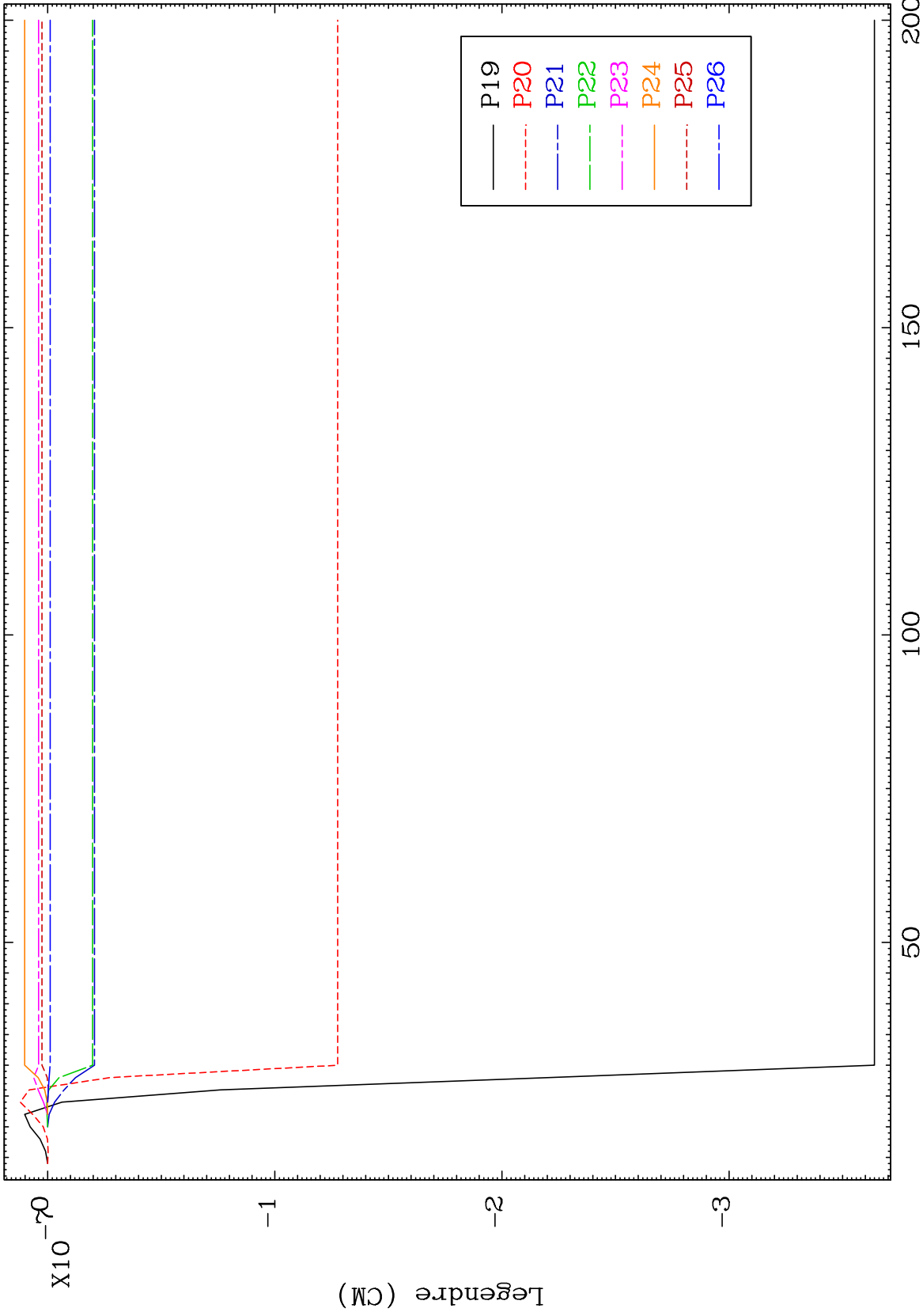
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



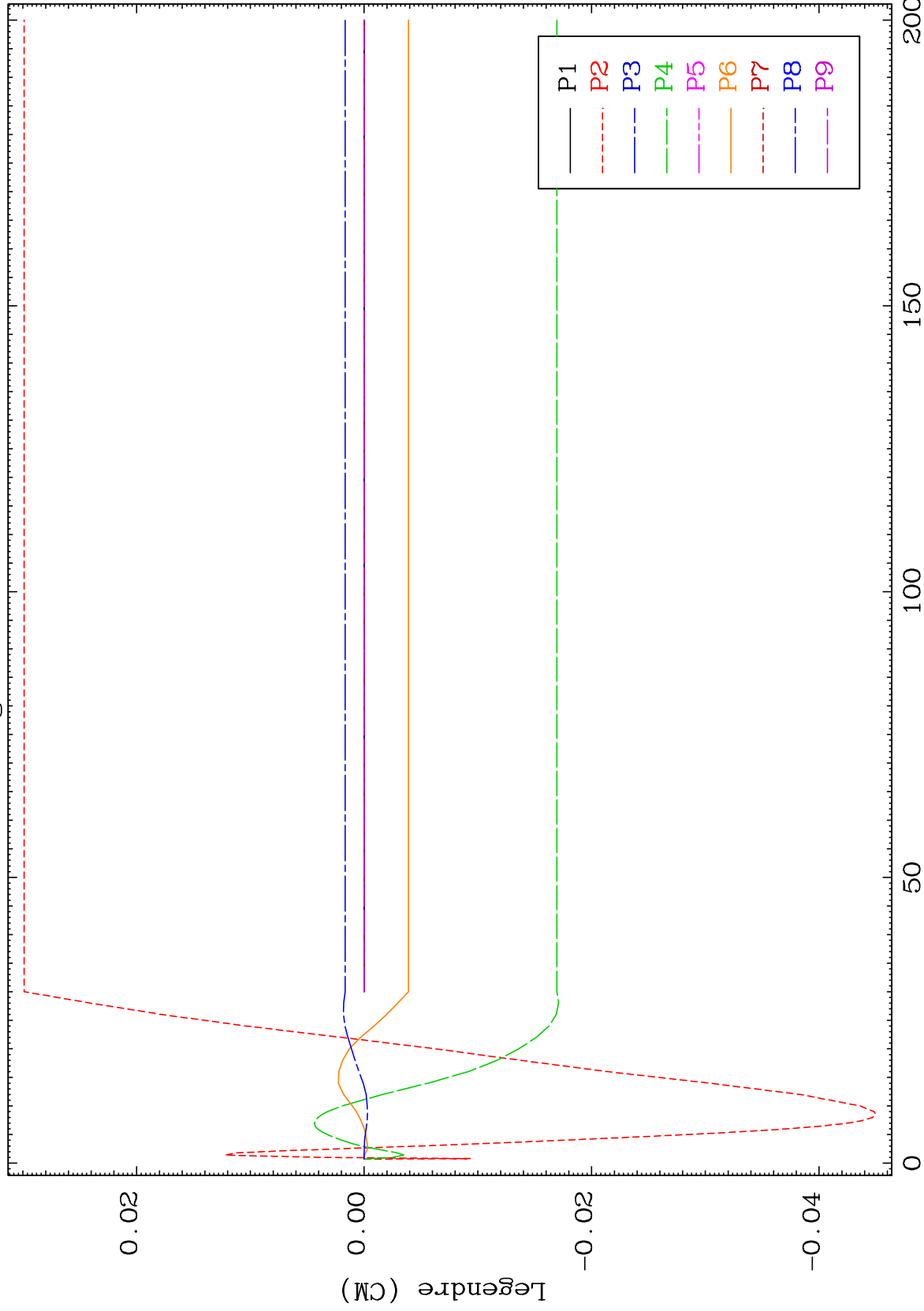
93

61-Pm-152

MAT 6164

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

61-Pm-152



94

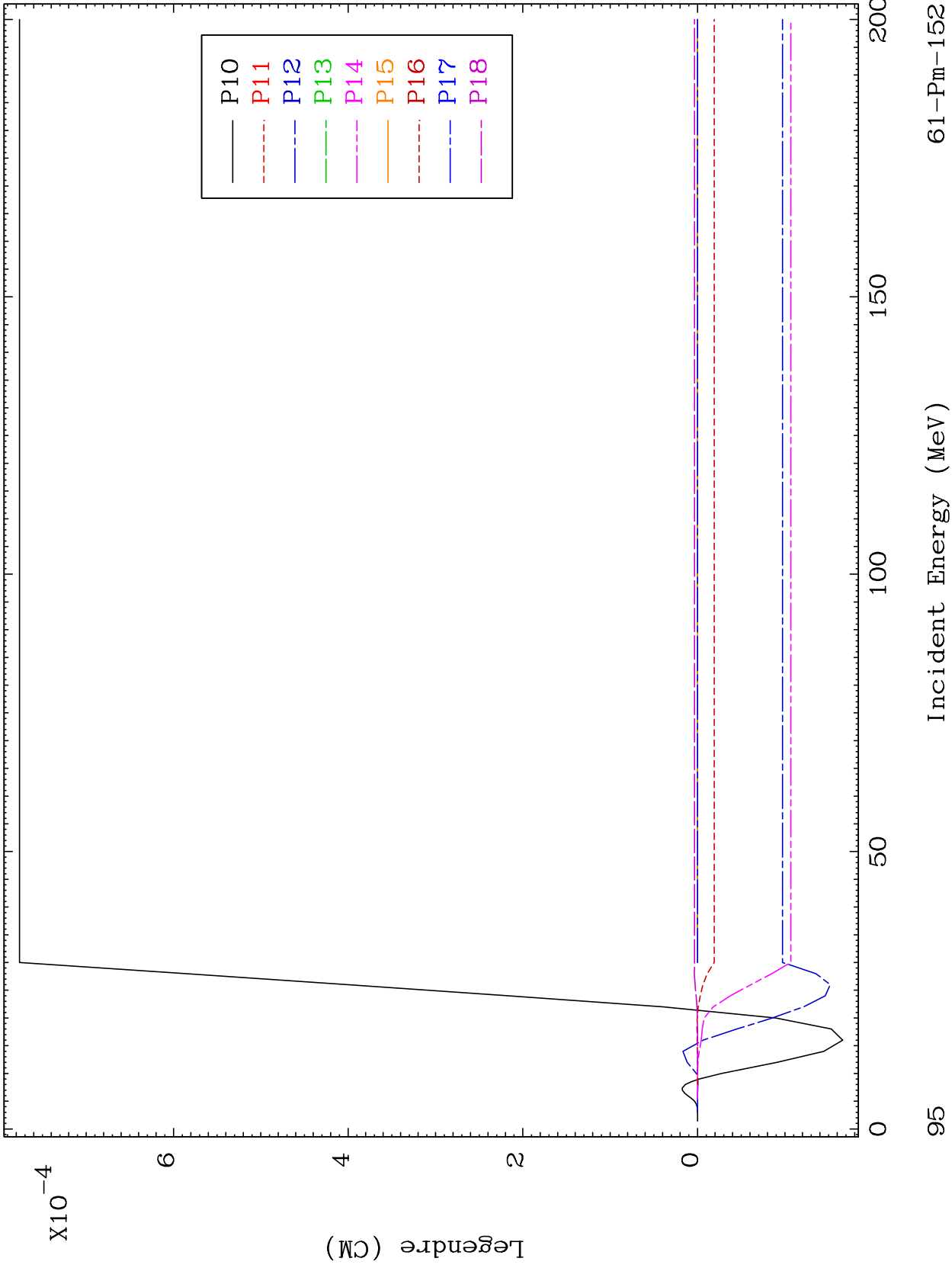
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



95

Incident Energy (MeV)

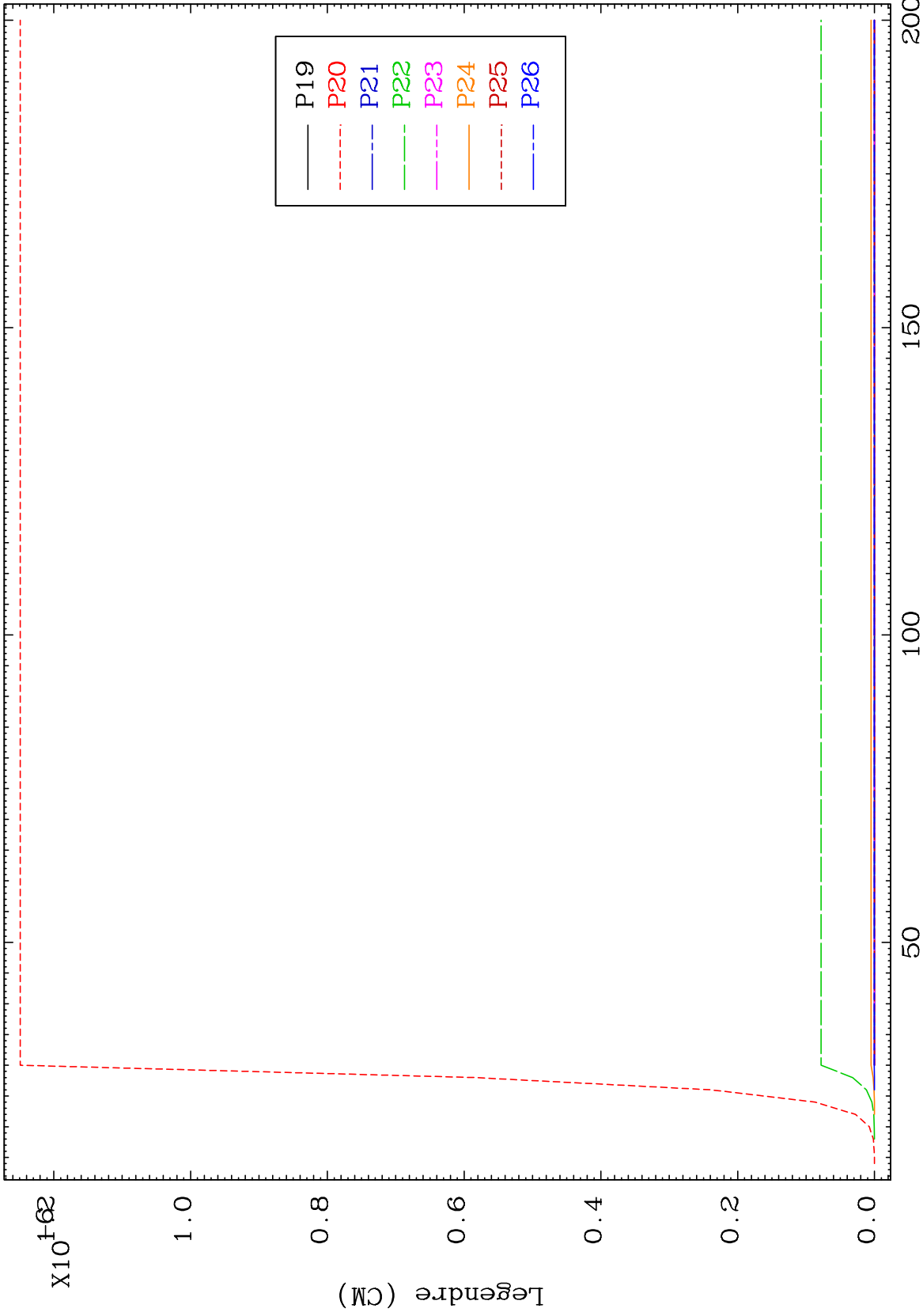
61-Pm-152



MAT 6164

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

61-Pm-152



96

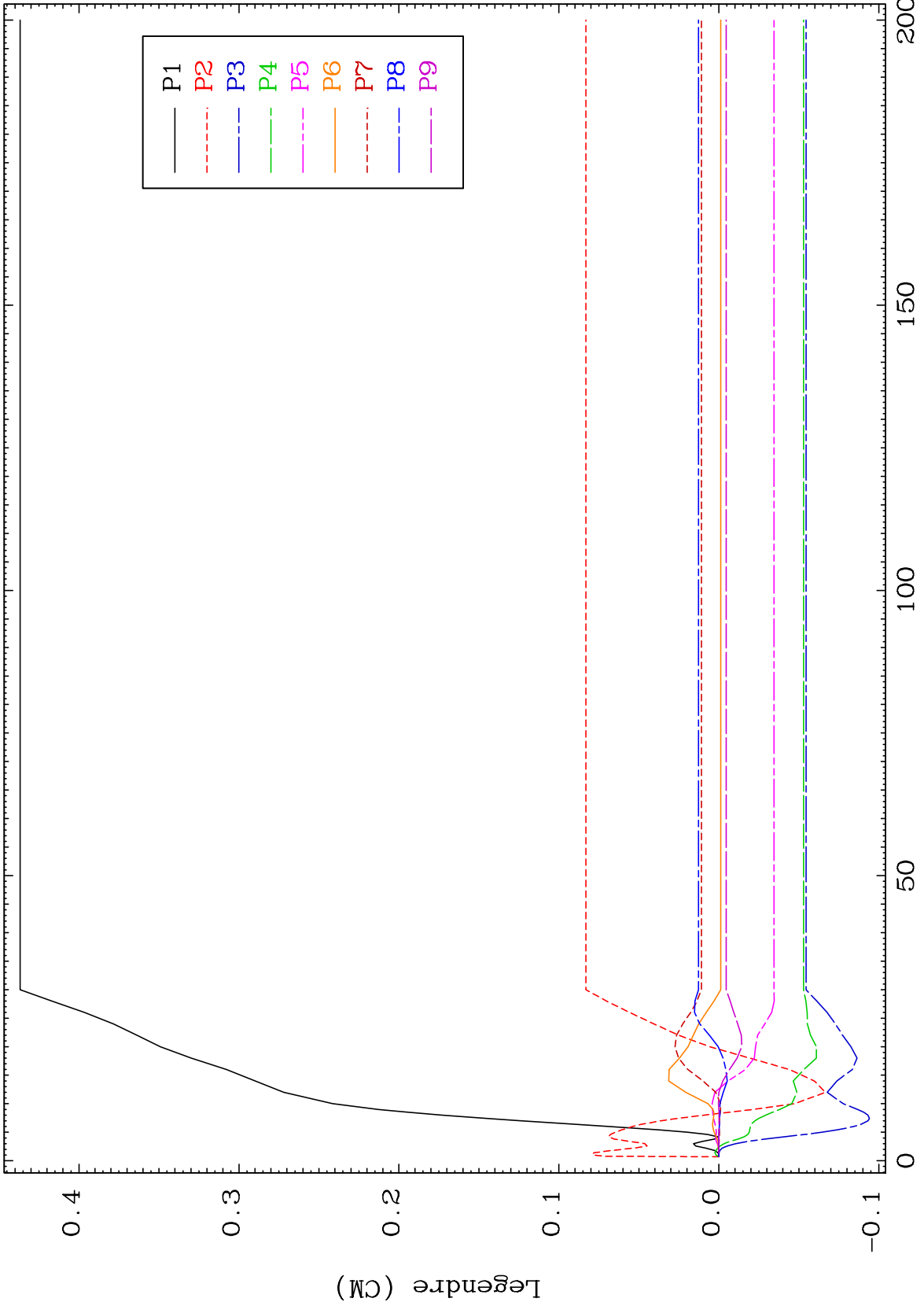
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



97

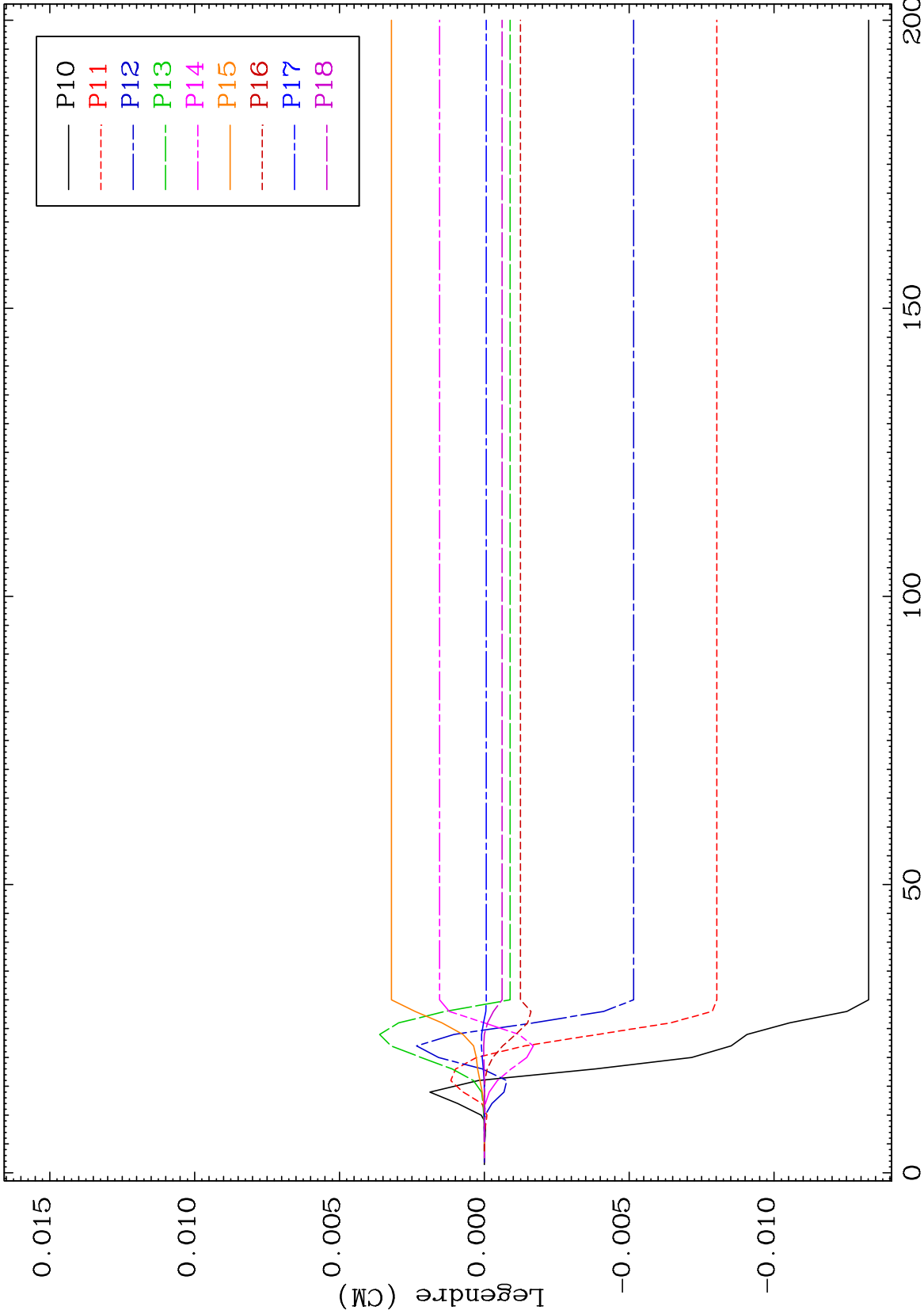
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



98

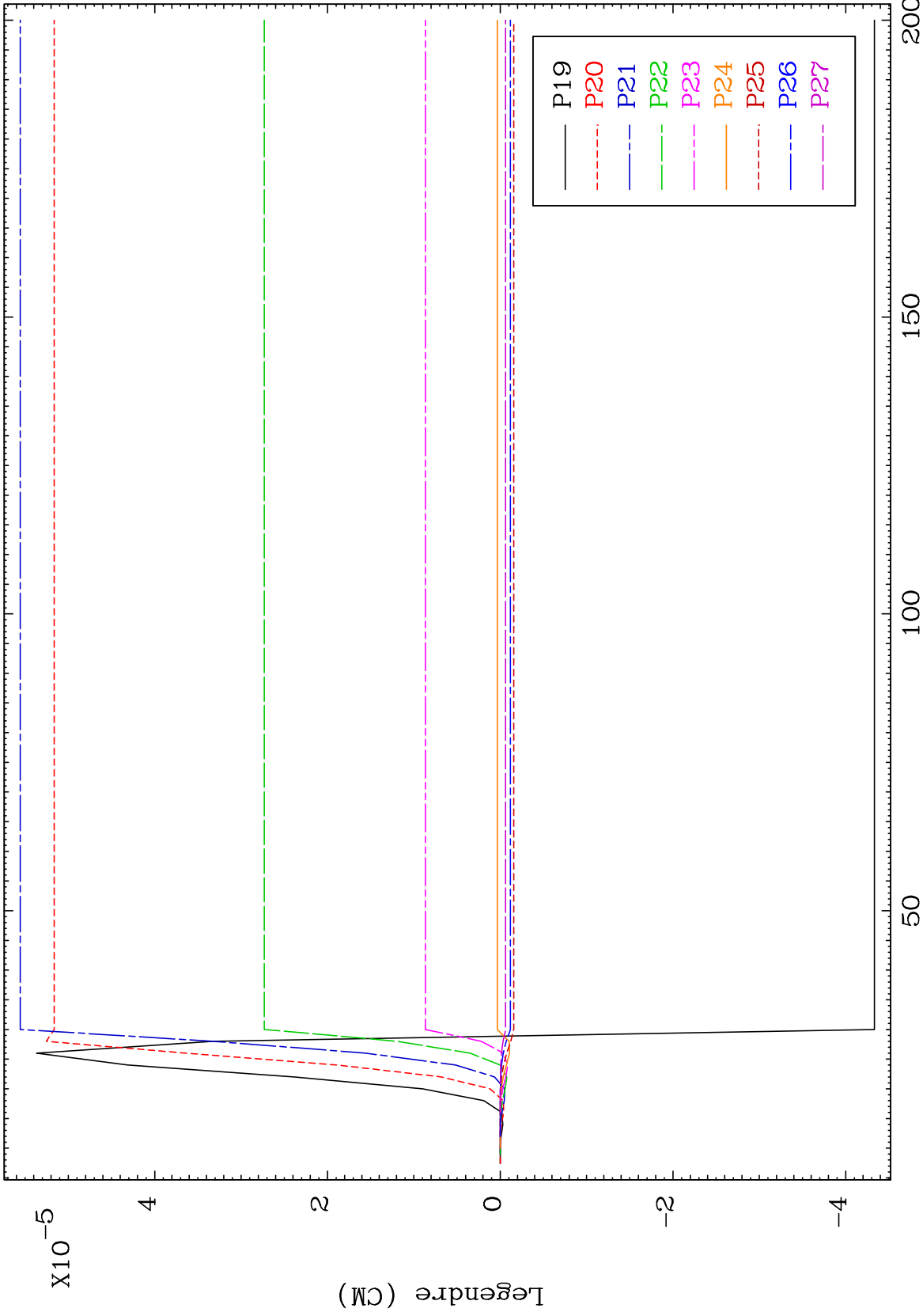
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



99

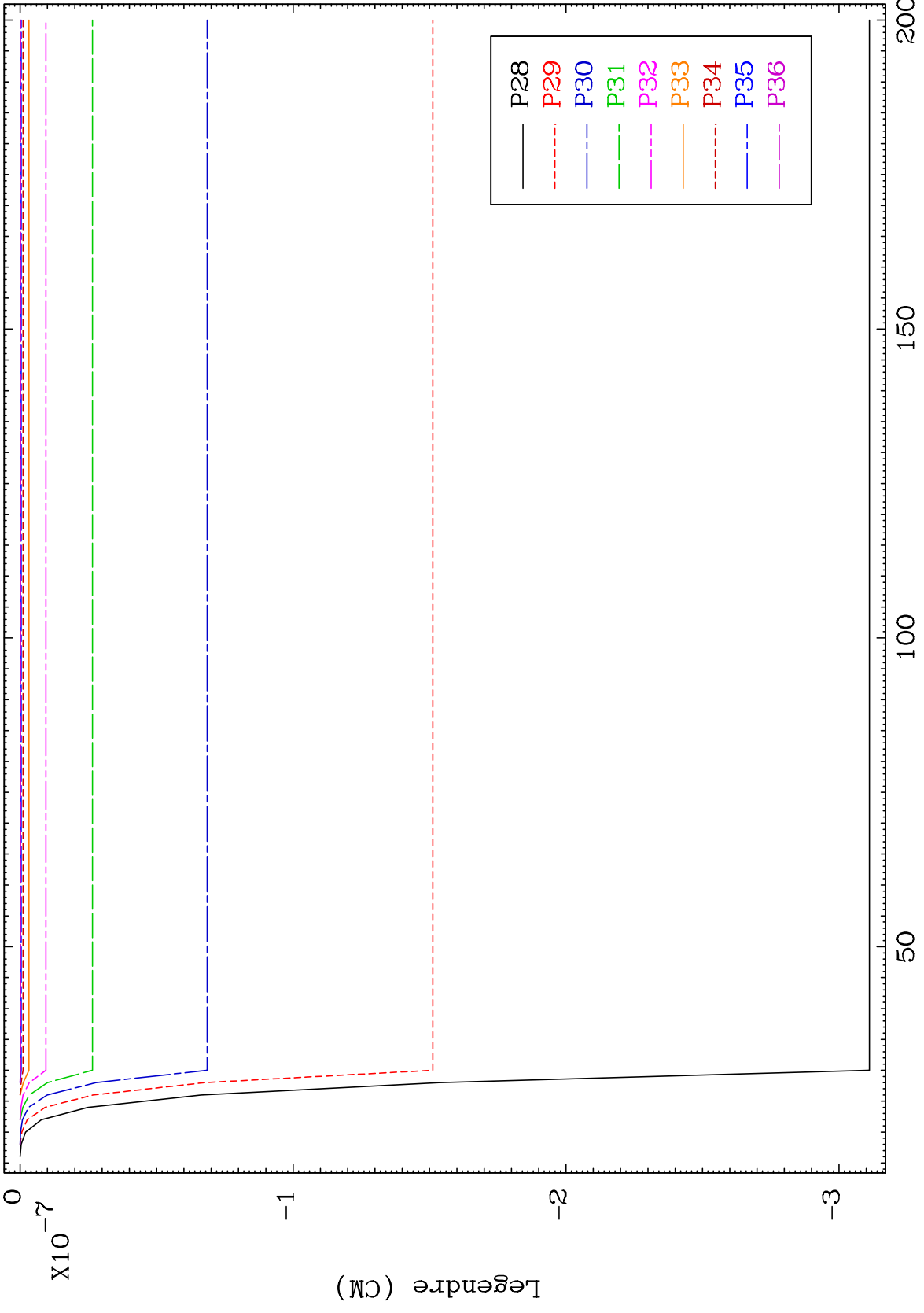
61-Pm-152

MAT 6164

MT= 75 (n,n') Level

61-Pm-152

Legendre Coefficients



61-Pm-152

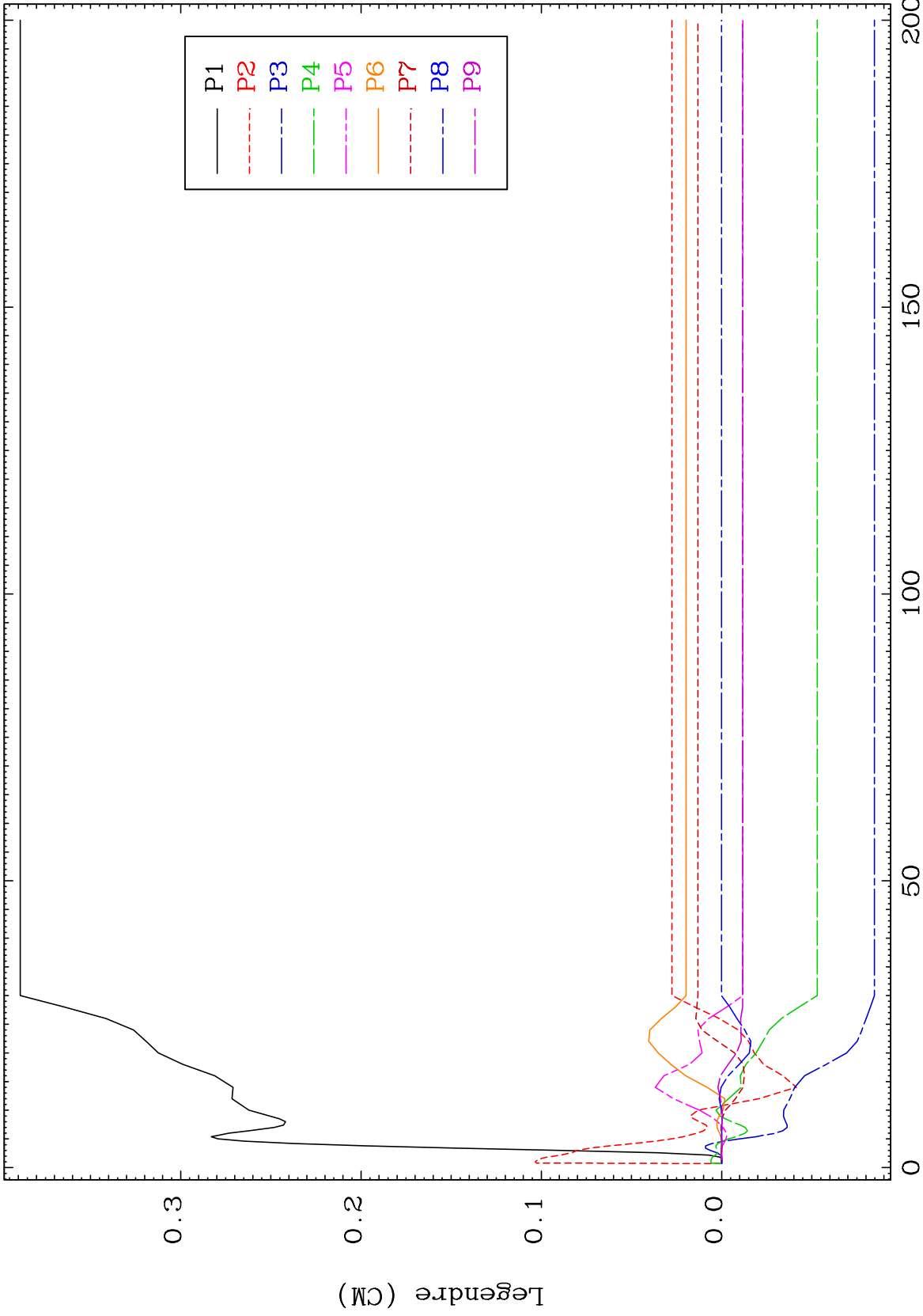
Incident Energy (MeV)

100

MAT 6164

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

61-Pm-152



101

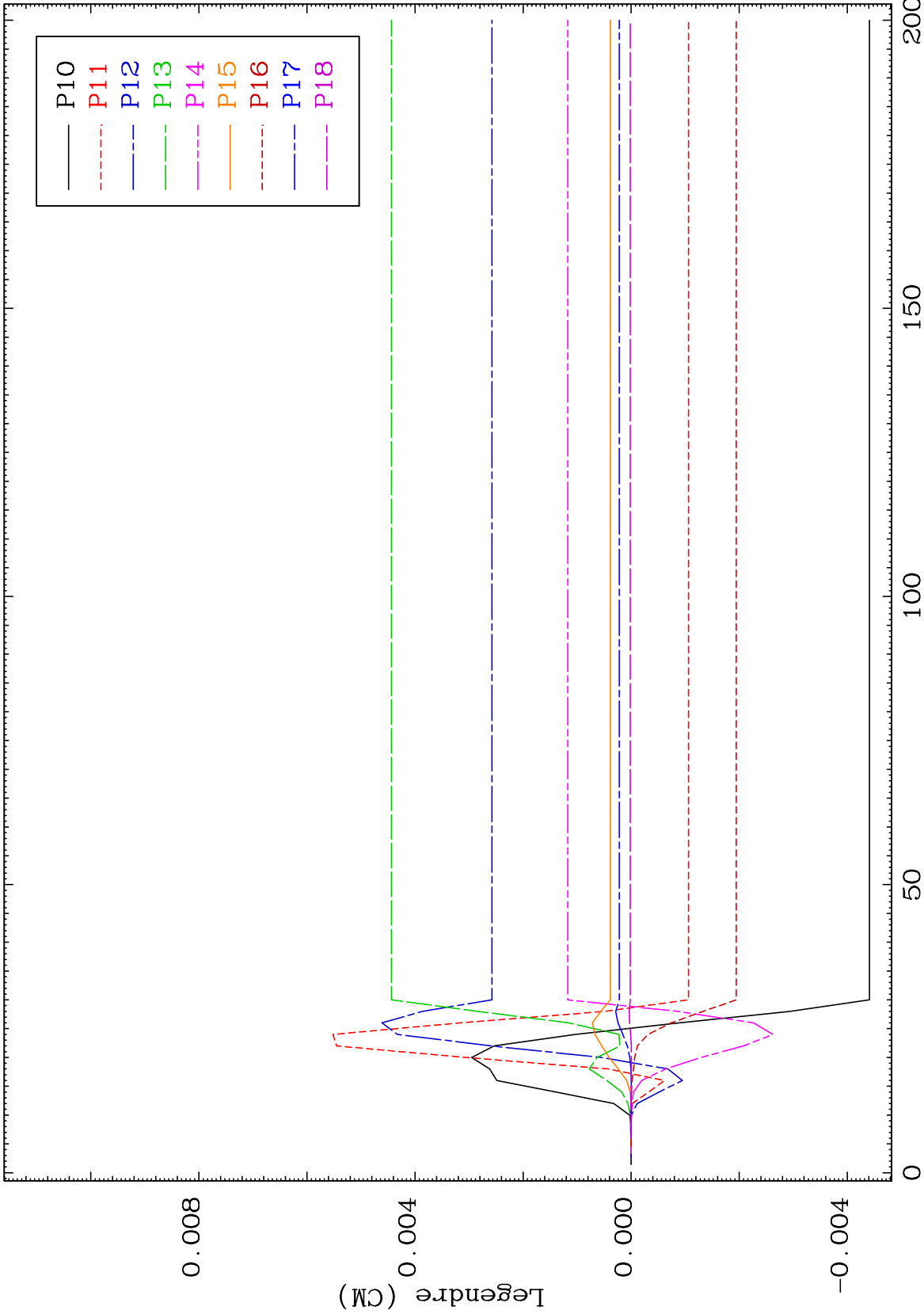
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



102

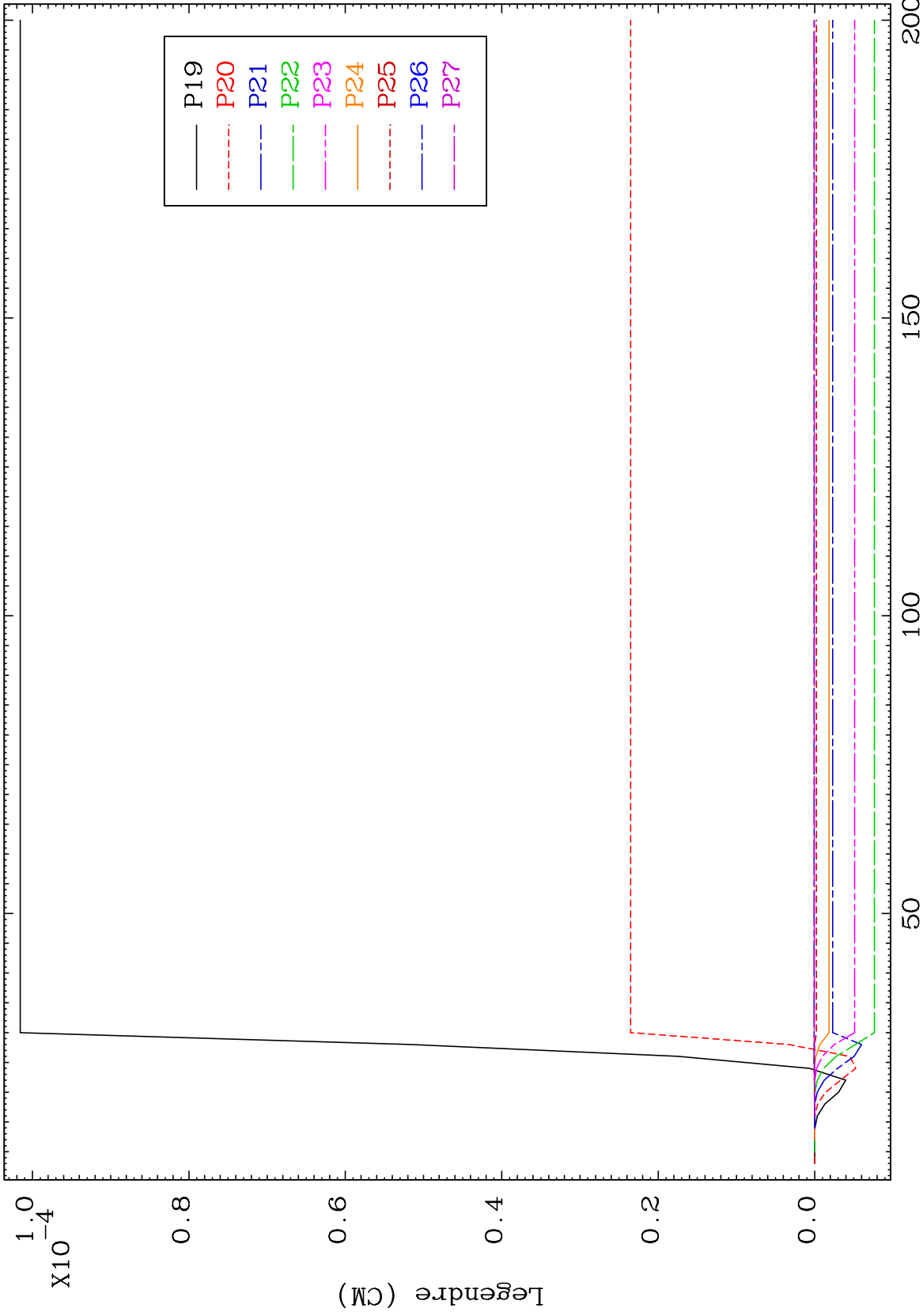
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



103

Incident Energy (MeV)

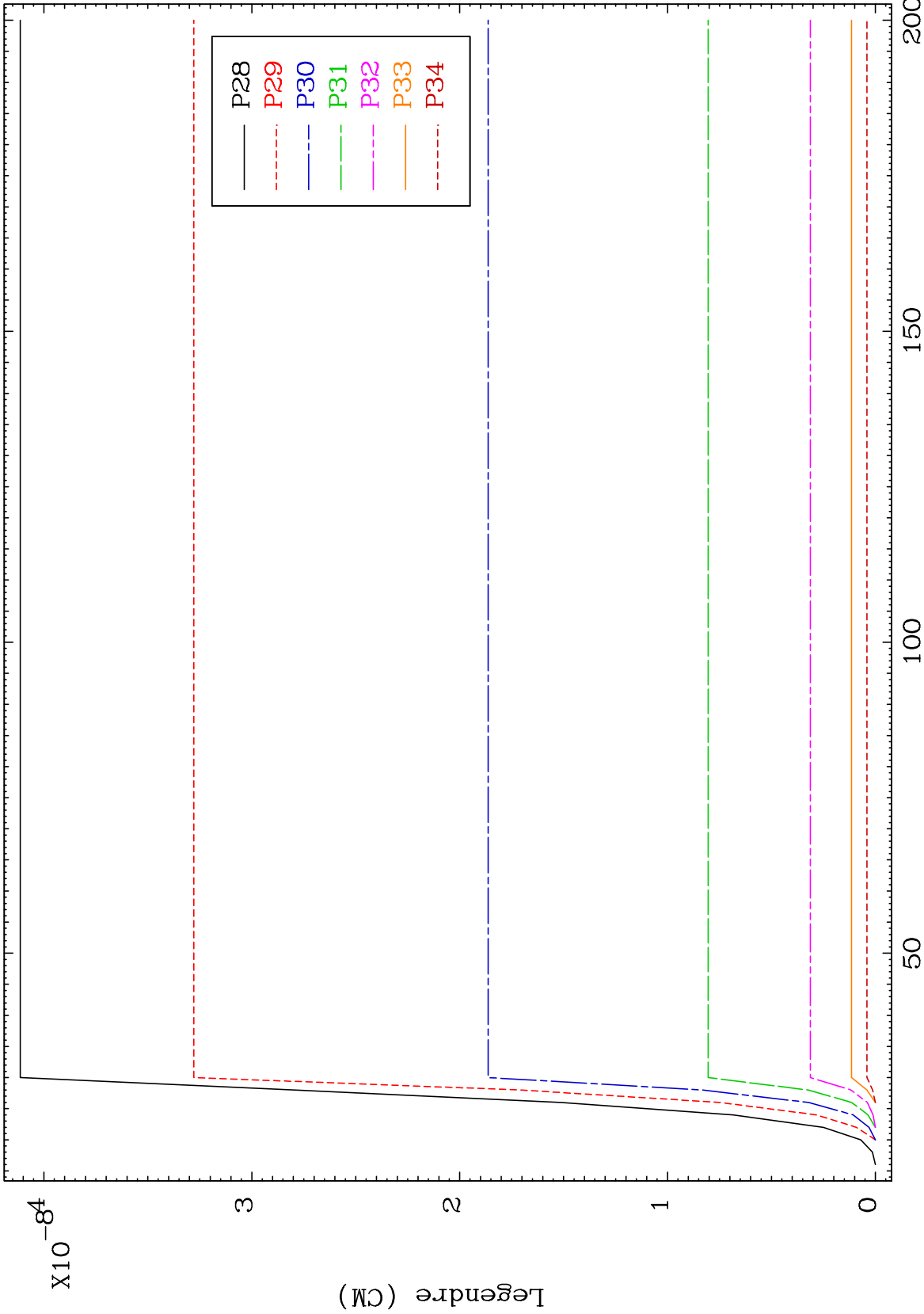
61-Pm-152



MAT 6164

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

61-Pm-152



104

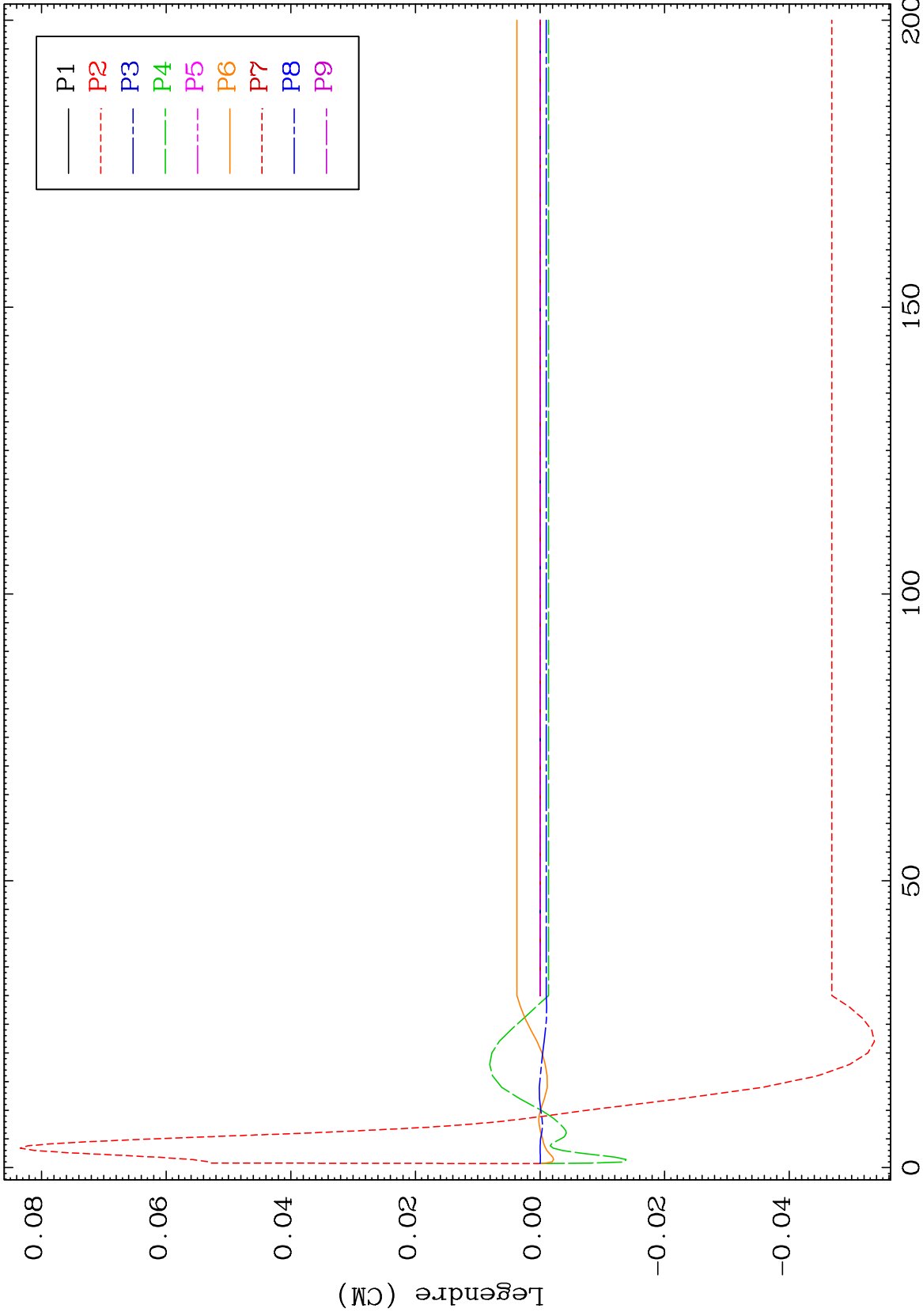
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



61-Pm-152

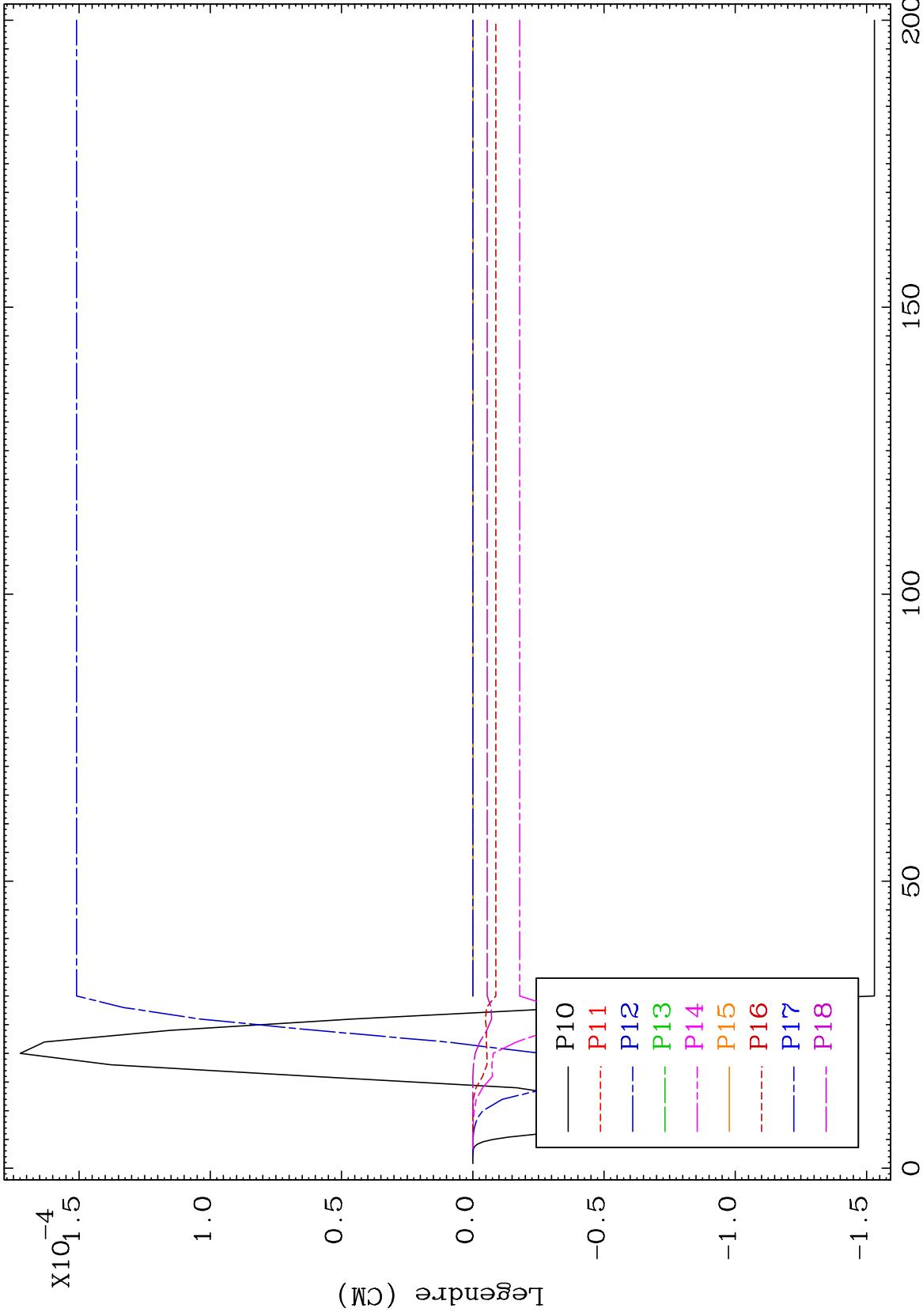
Incident Energy (MeV)

105

MAT 6164

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

61-Pm-152



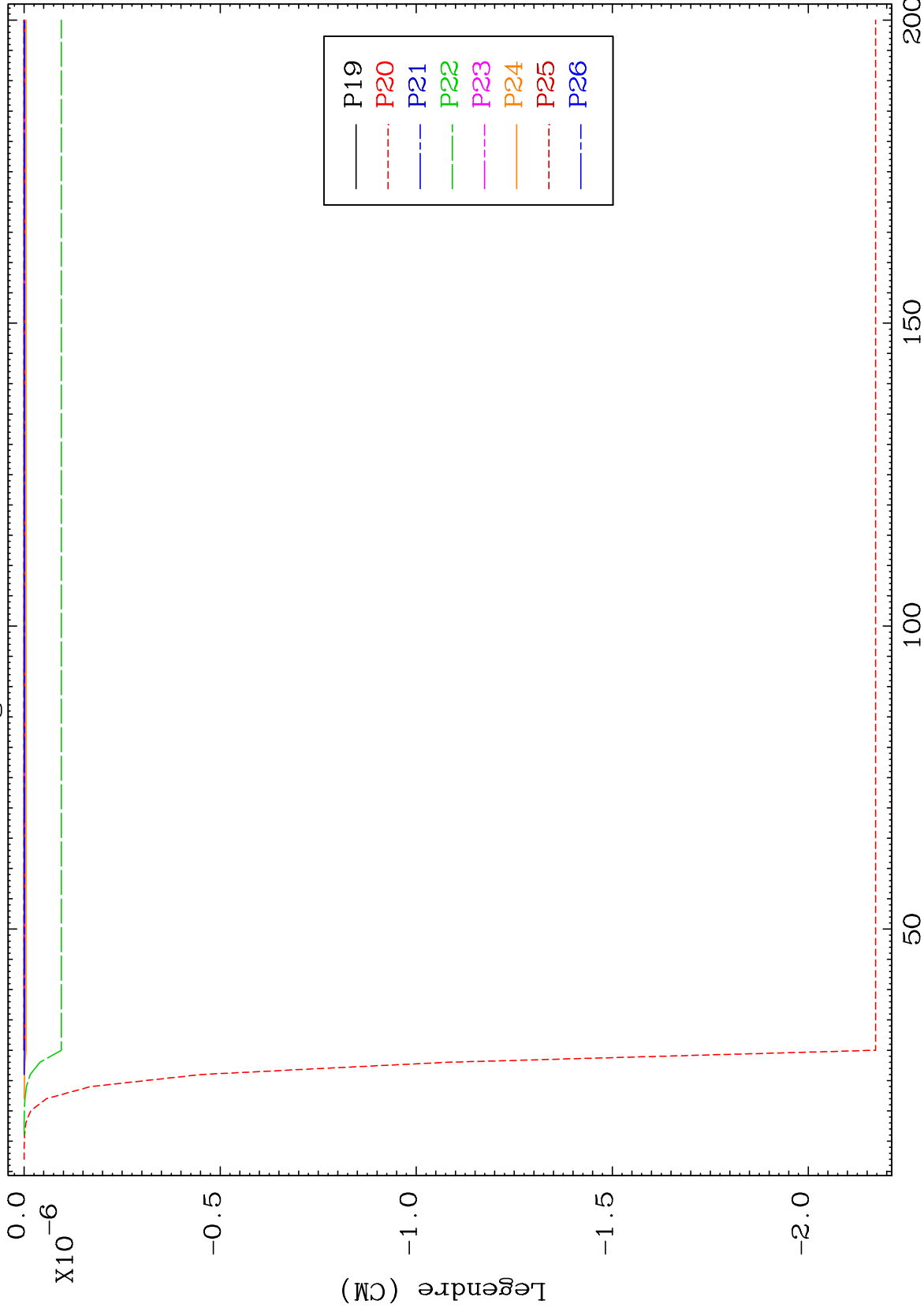
106

61-Pm-152

MAT 6164

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

61-Pm-152



107

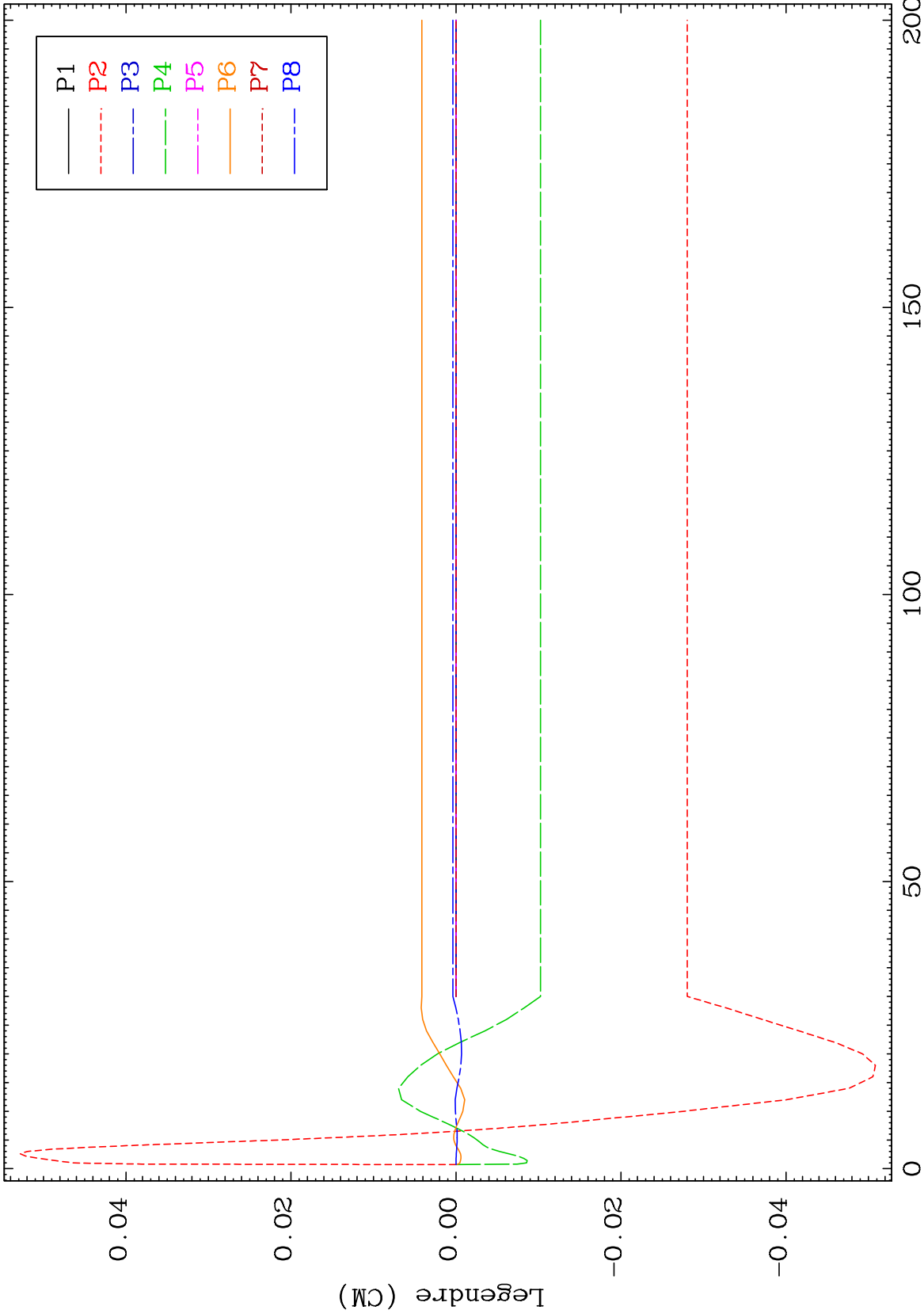
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



61-Pm-152

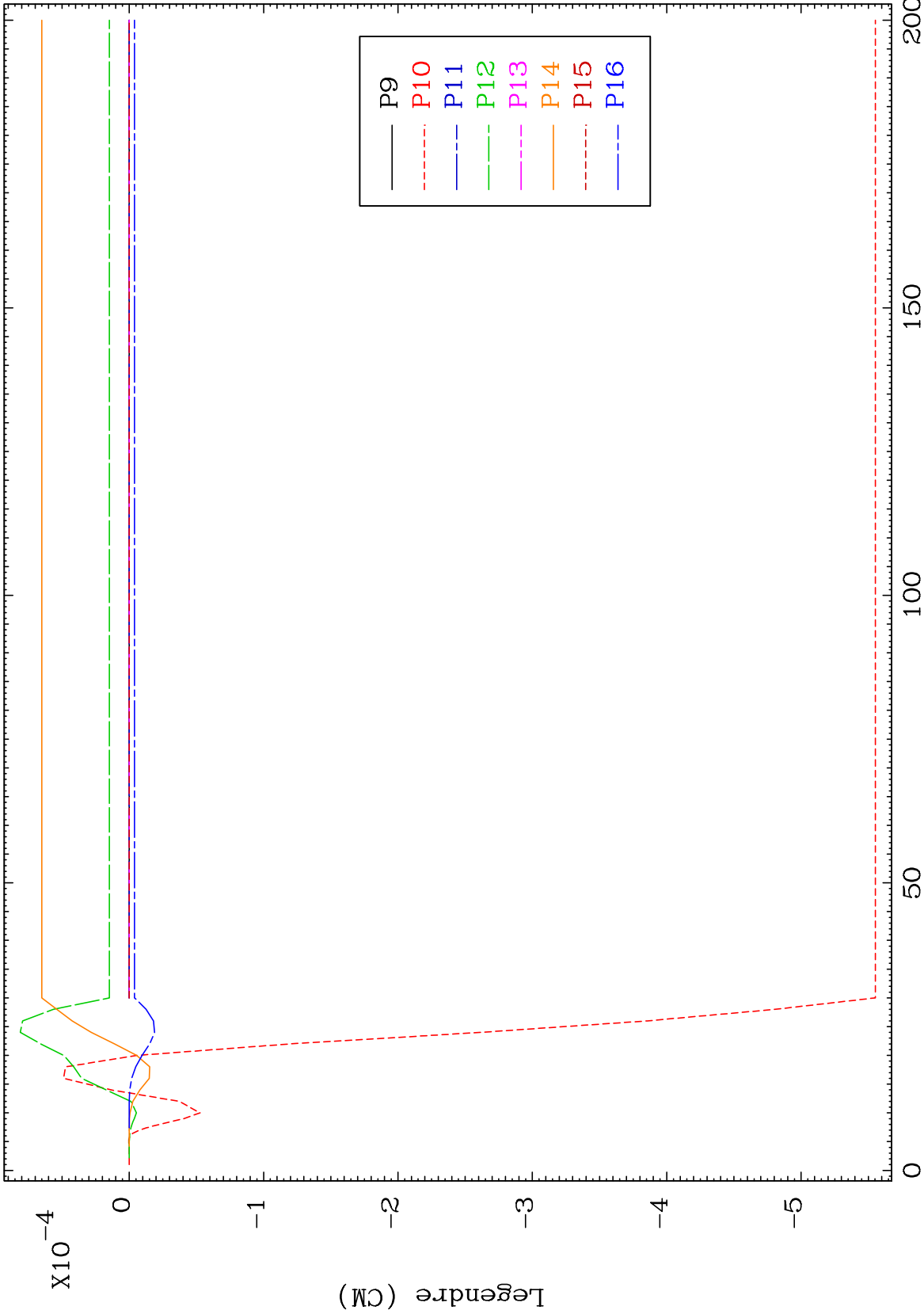
Incident Energy (MeV)

108

MAT 6164

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

61-Pm-152

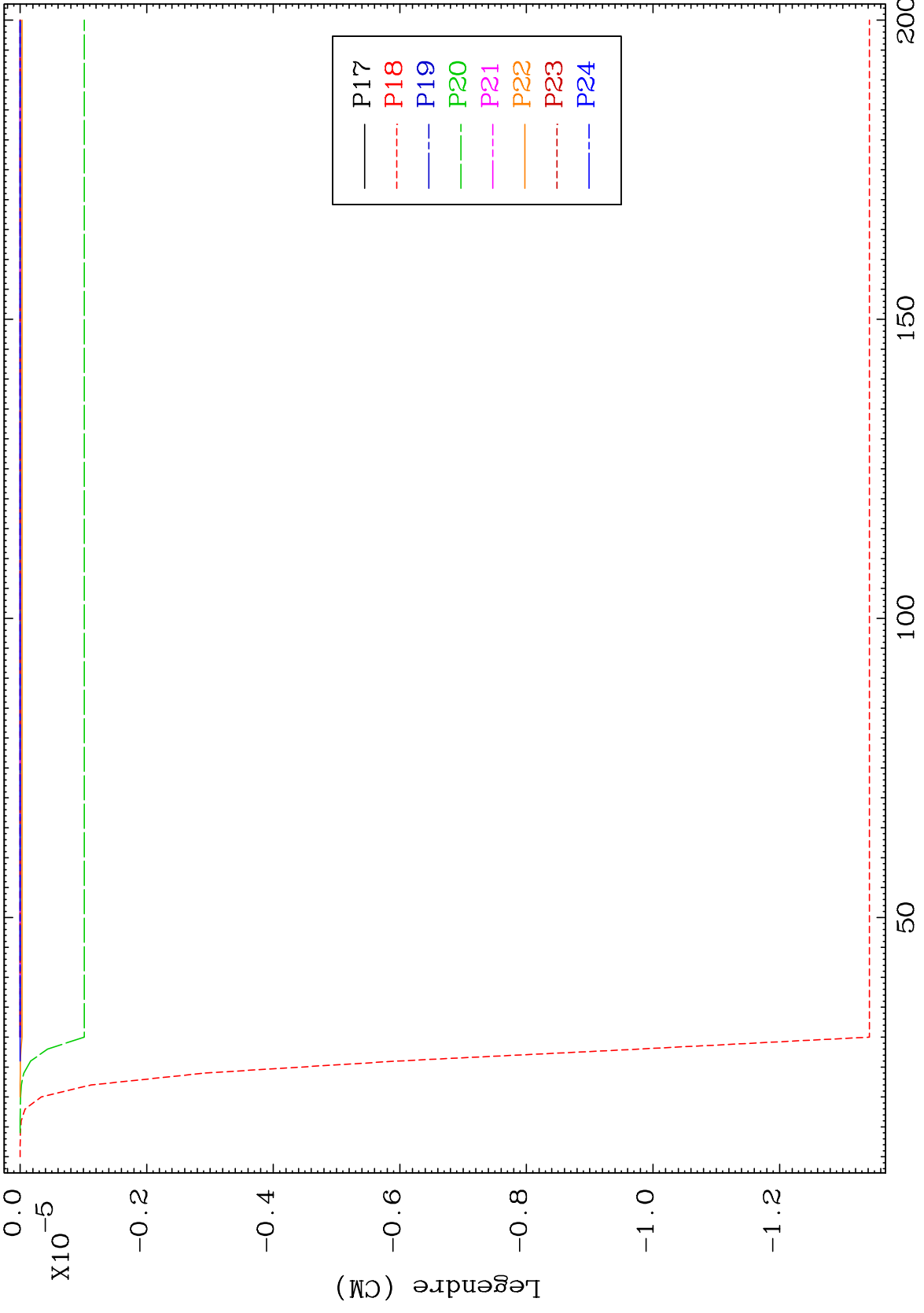


109

Incident Energy (MeV)

61-Pm-152

MAT 6164 MT= 78 (n,n') Level Legendre Coefficients 61-Pm-152

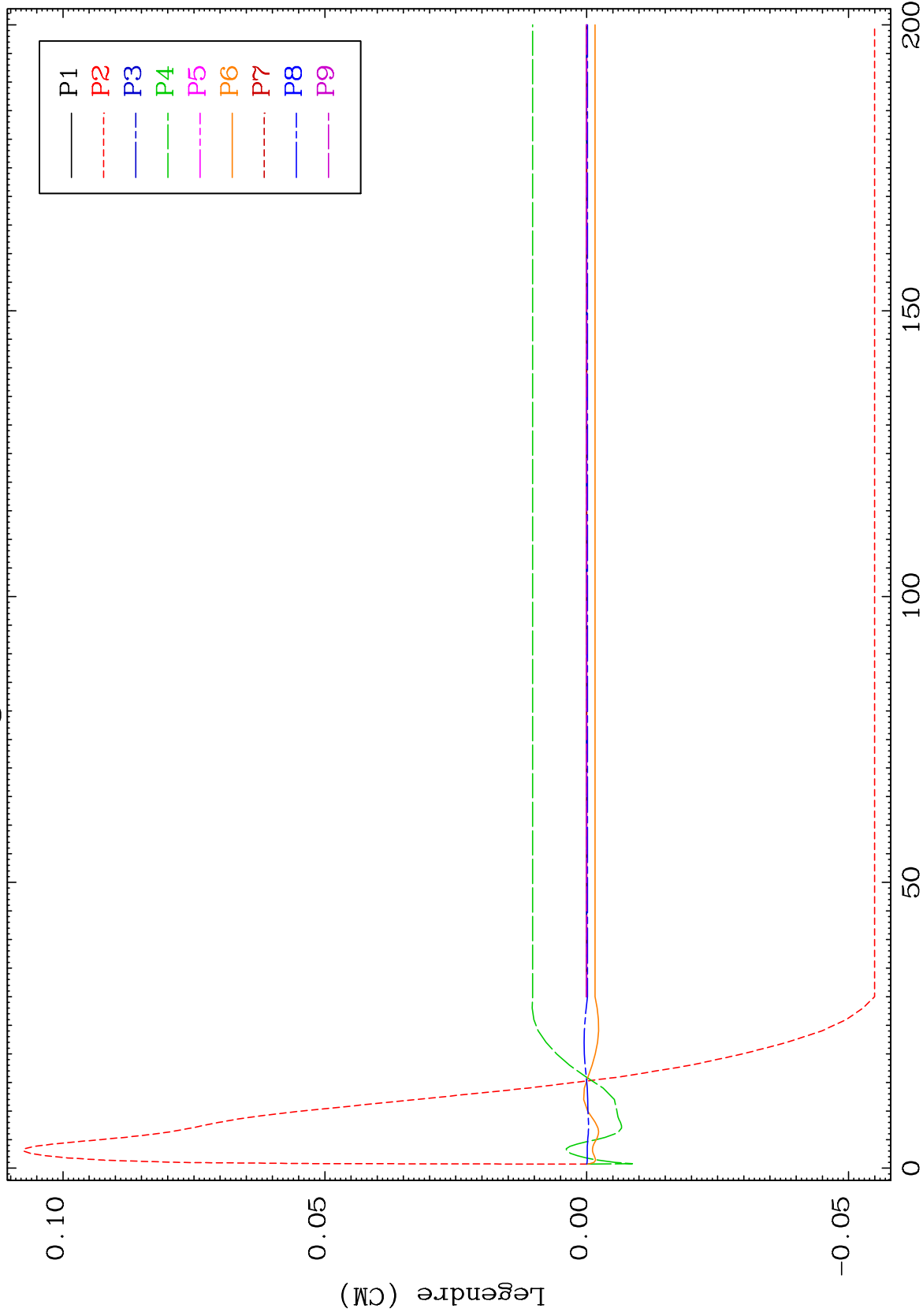


110 Incident Energy (MeV) 61-Pm-152

MAT 6164

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

61-Pm-152



111

Incident Energy (MeV)

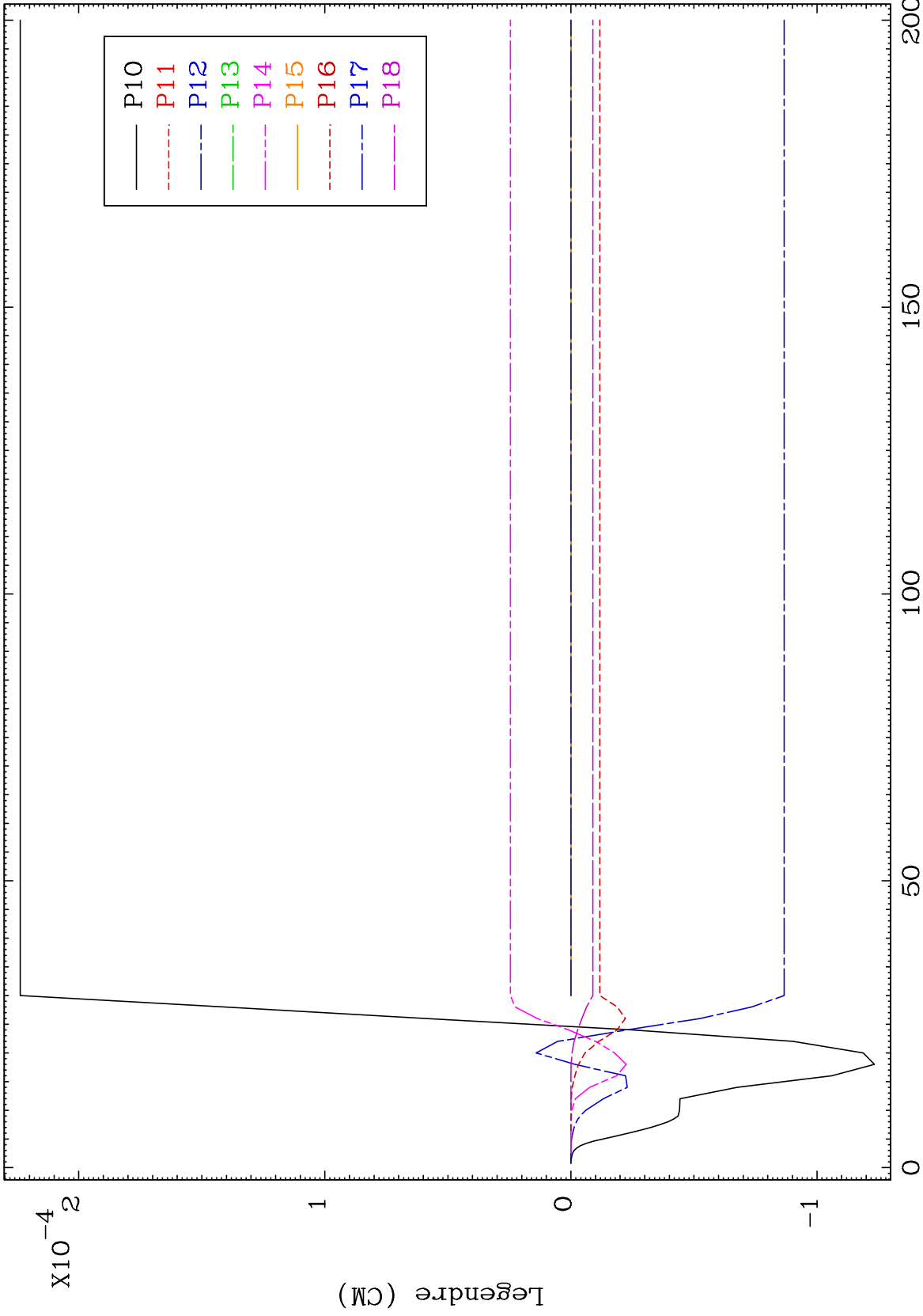
61-Pm-152



MAT 6164

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

61-Pm-152

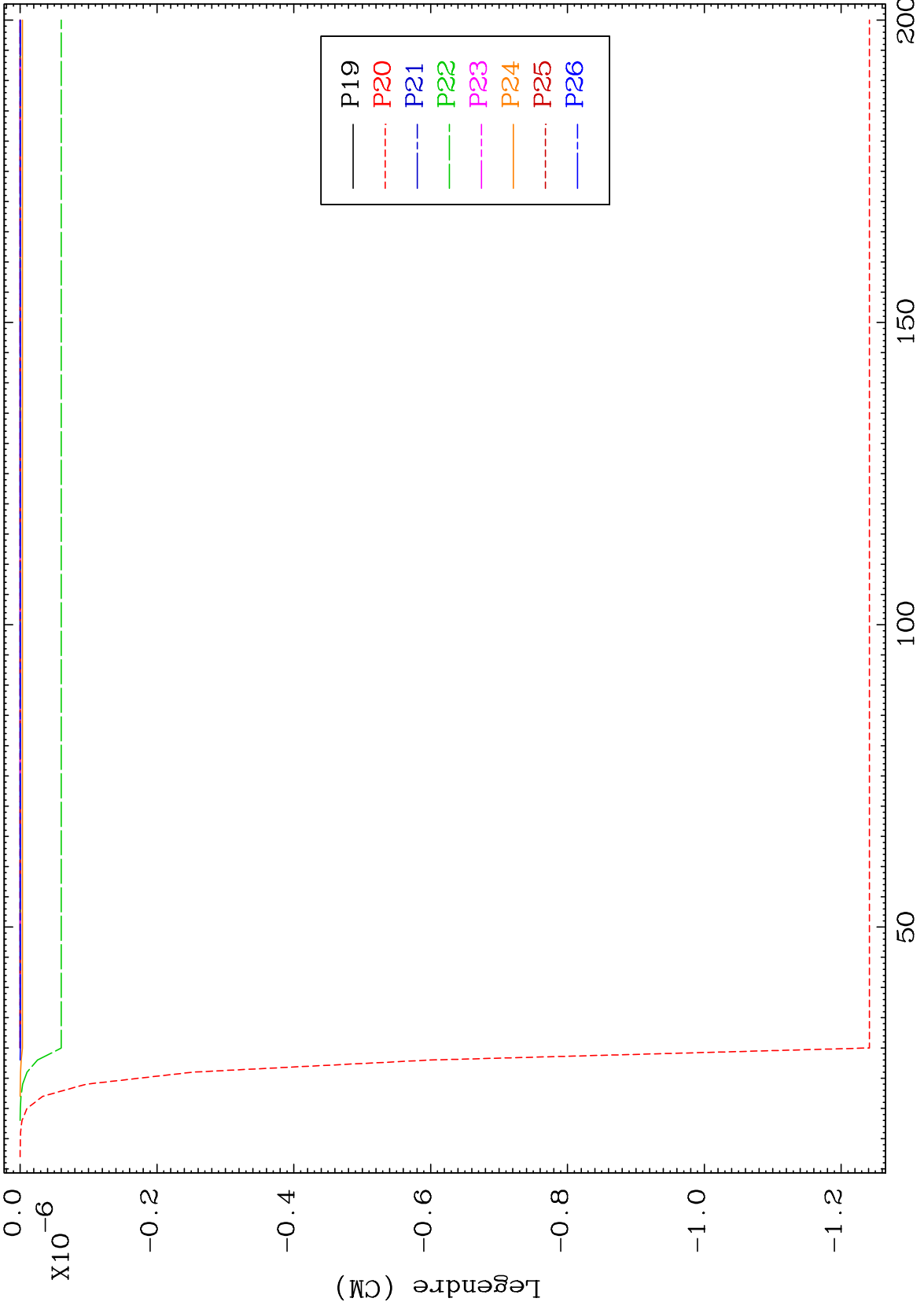


112

Incident Energy (MeV)

61-Pm-152

MAT 6164 MT= 79 (n,n') Level Legendre Coefficients 61-Pm-152

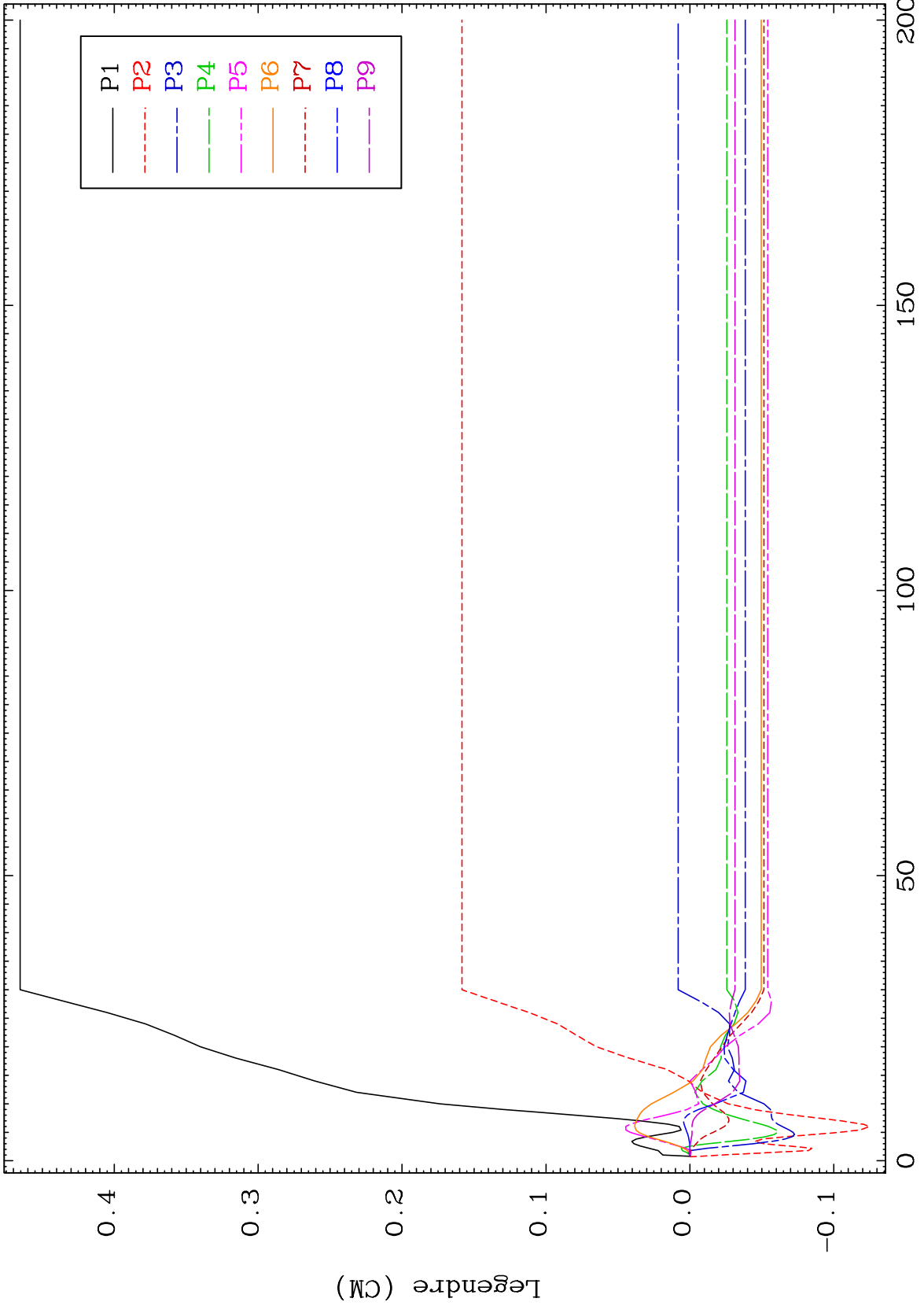


113 61-Pm-152

MAT 6164

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

61-Pm-152



61-Pm-152

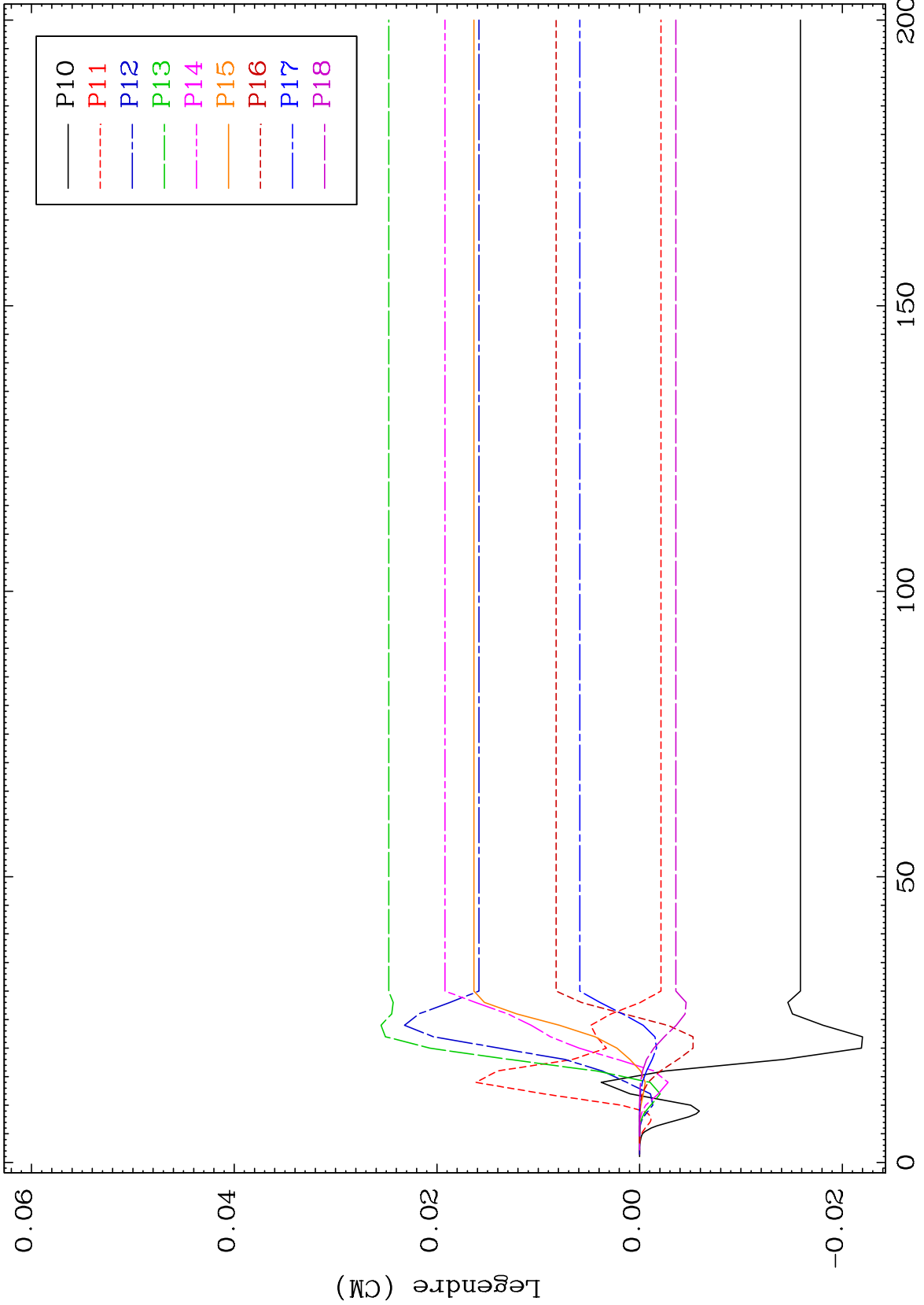
Incident Energy (MeV)

114

MAT 6164 MT= 80 (n,n') Level Legendre Coefficients

61-Pm-152

61-Pm-152

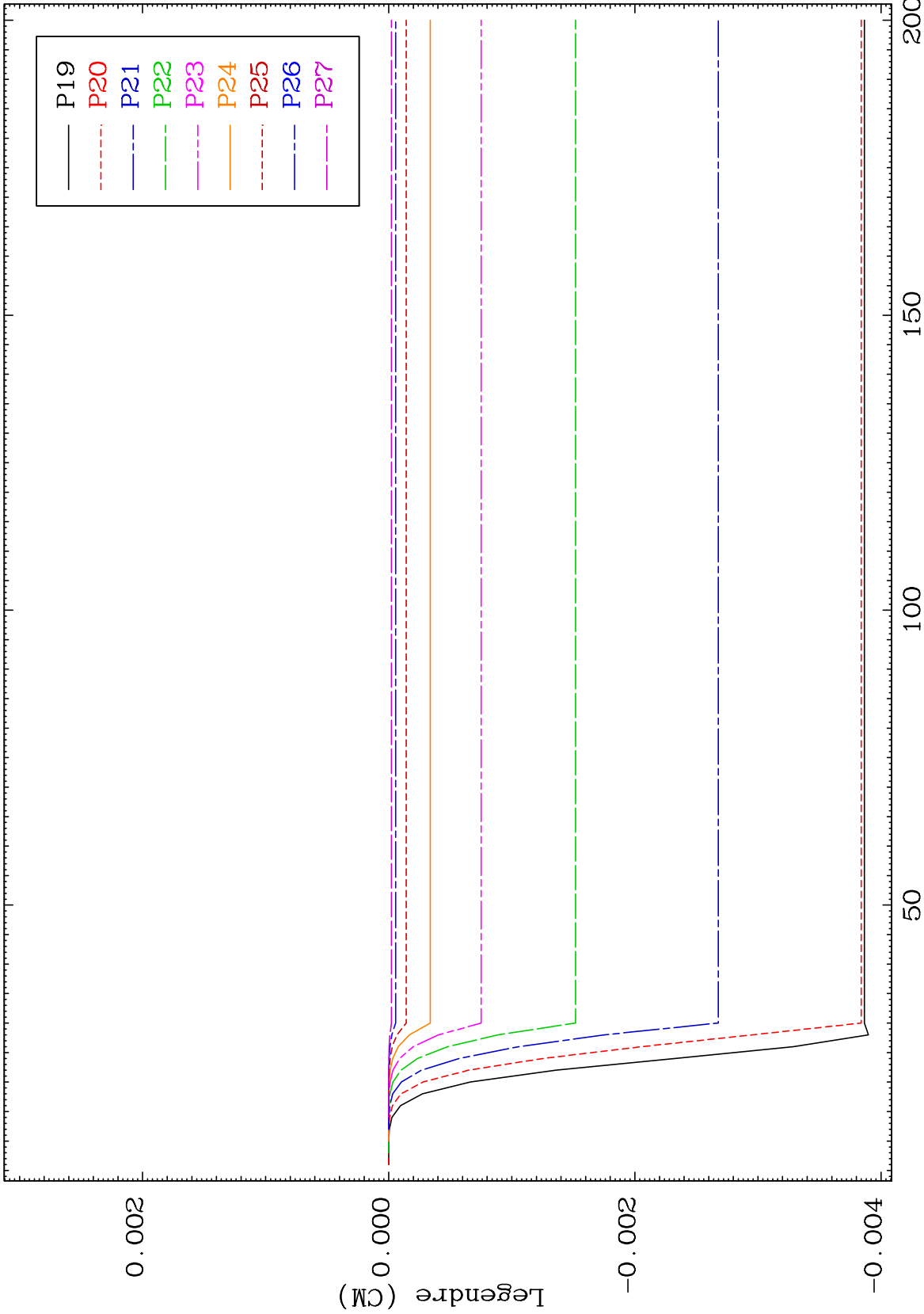


115

MAT 6164

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

61-Pm-152

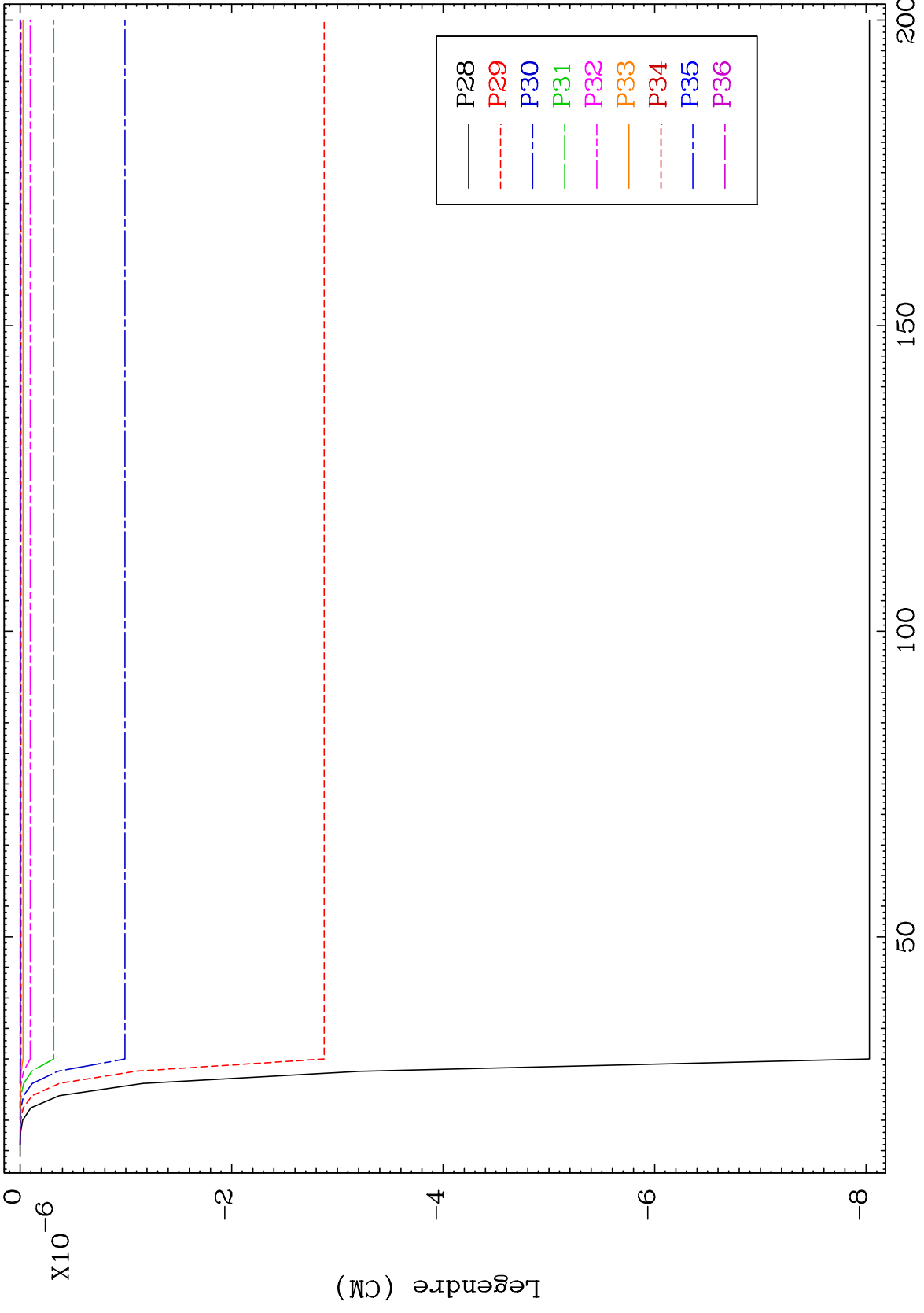


116

Incident Energy (MeV)

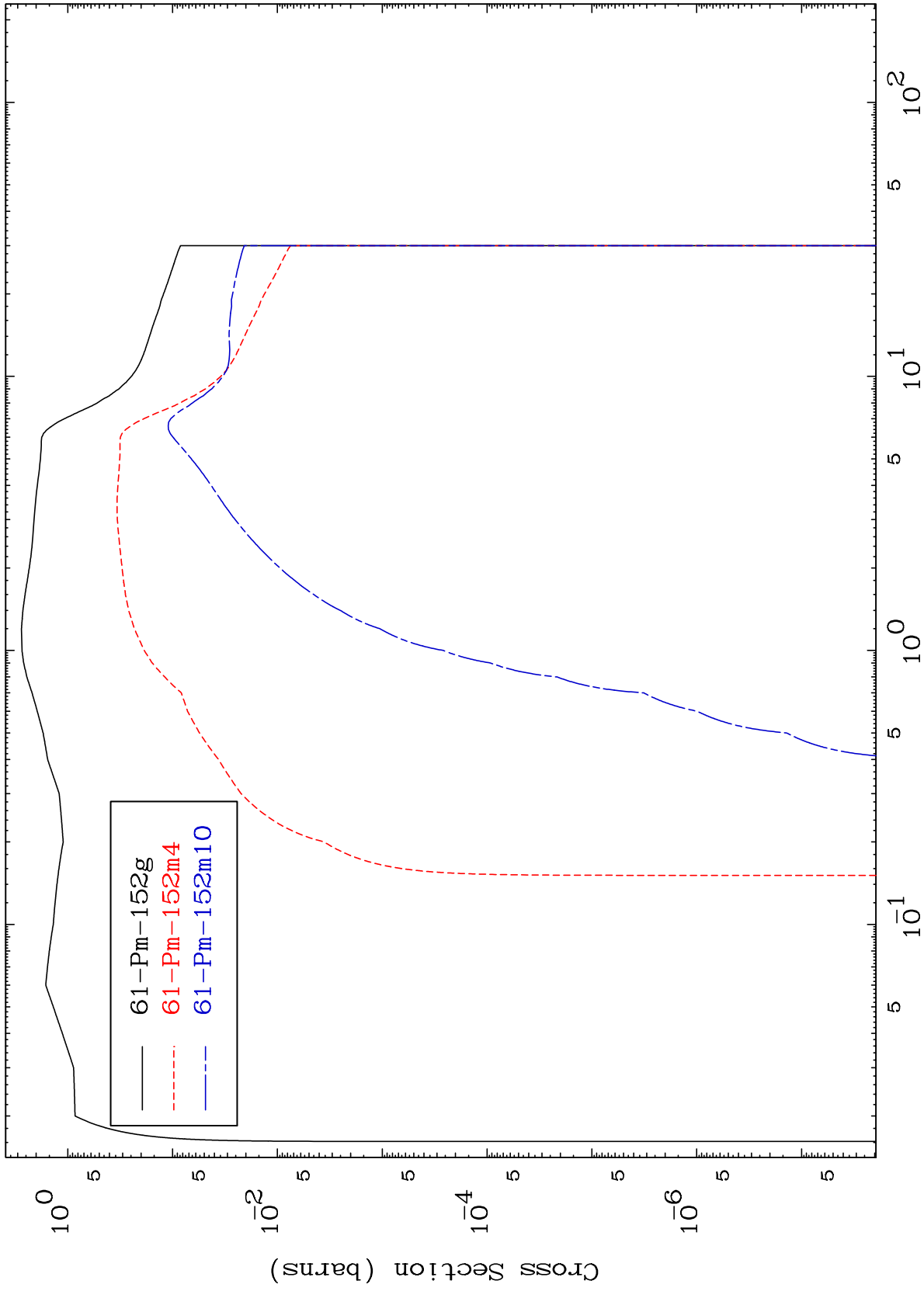
61-Pm-152

MAT 6164 MT= 80 (n,n') Level Legendre Coefficients 61-Pm-152



117 61-Pm-152

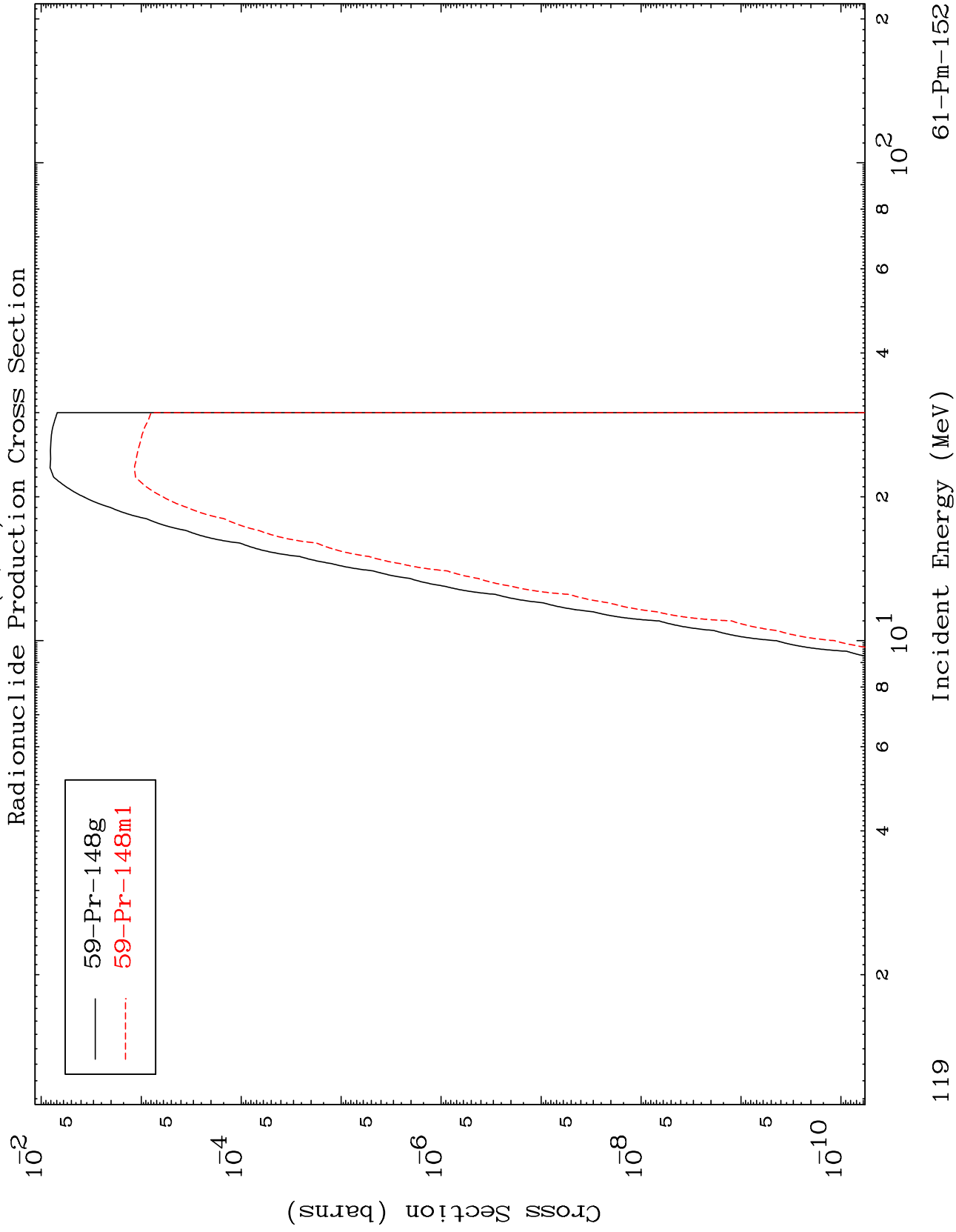
Inelastic  
Radionuclide Production Cross Section



MAT 6164

(n,n')  $\alpha$

61-Pm-152



119