

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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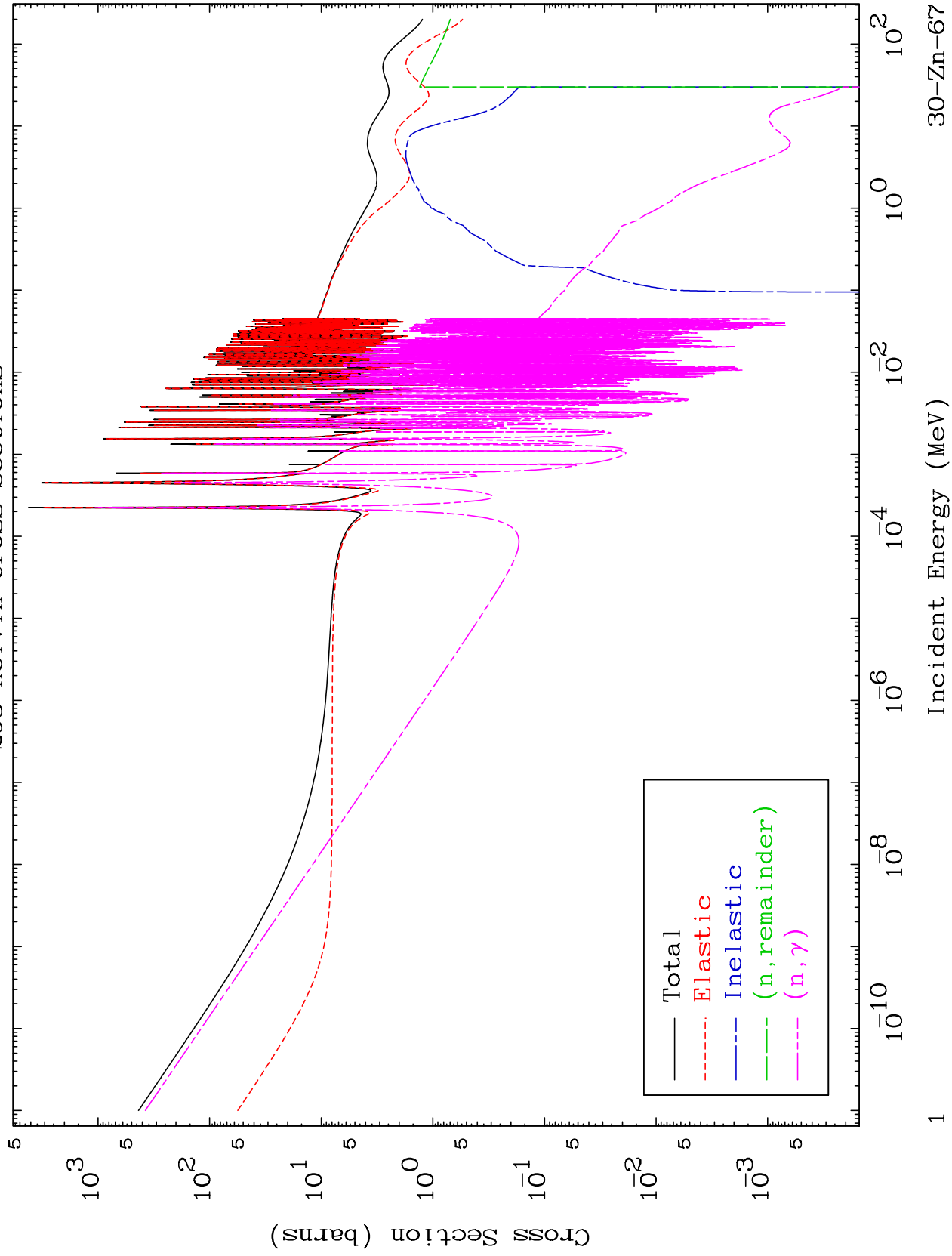
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3034

Major  
293 Kelvin Cross Sections

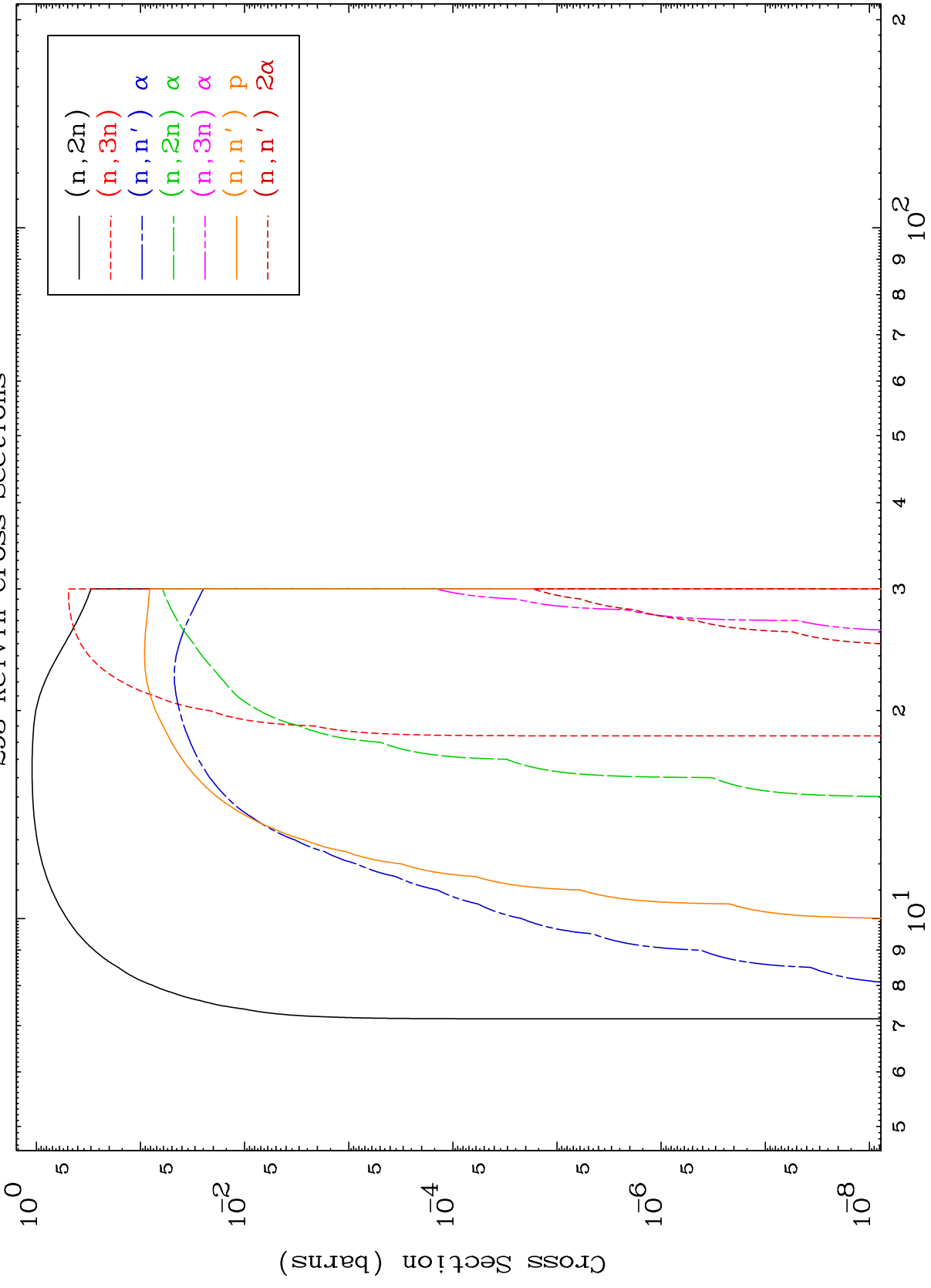
30-Zn-67



MAT 3034

Neutron Production  
293 Kelvin Cross Sections

30-Zn-67



2

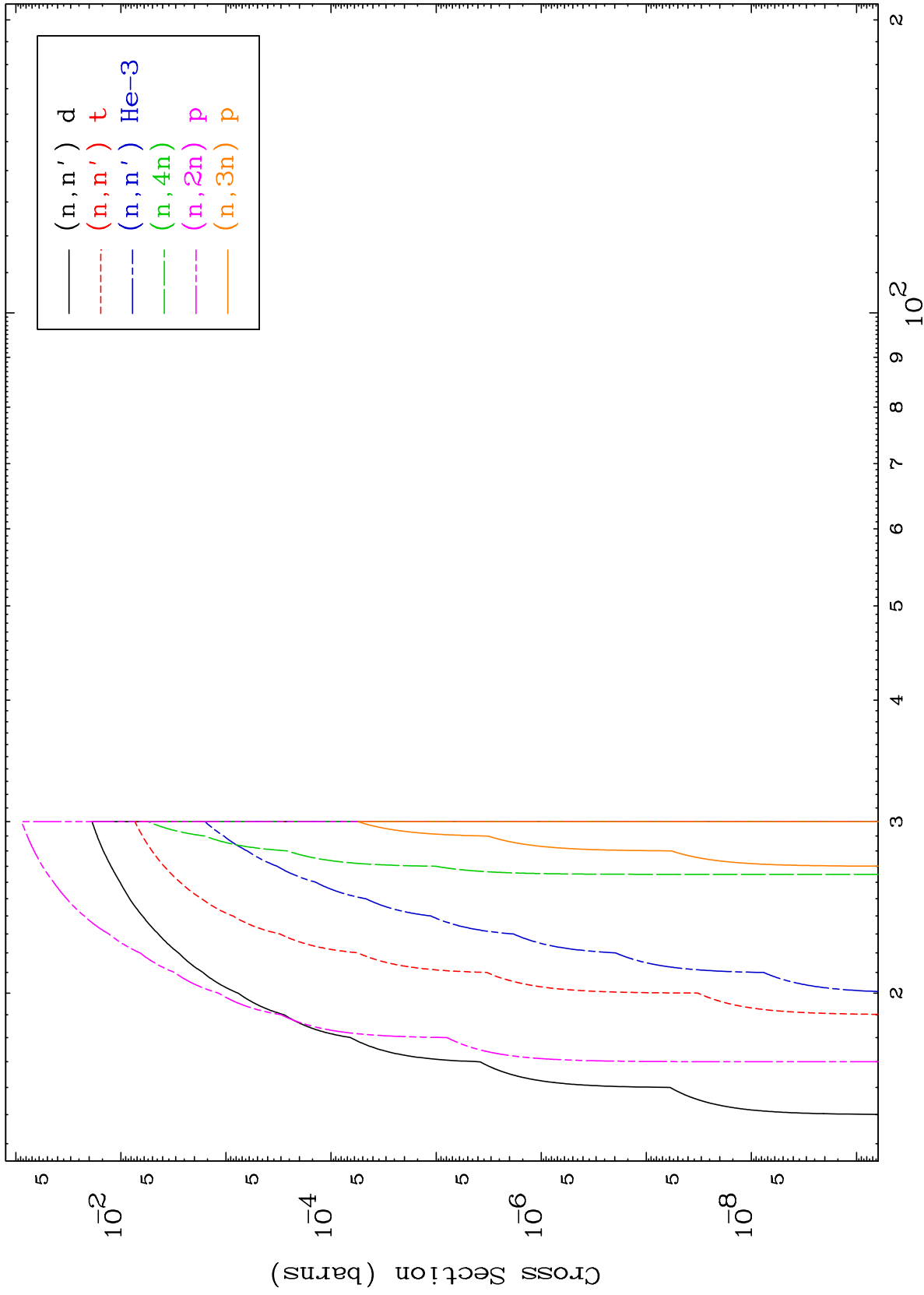
Incident Energy (MeV)

30-Zn-67

MAT 3034

Neutron Production  
293 Kelvin Cross Sections

30-Zn-67



3

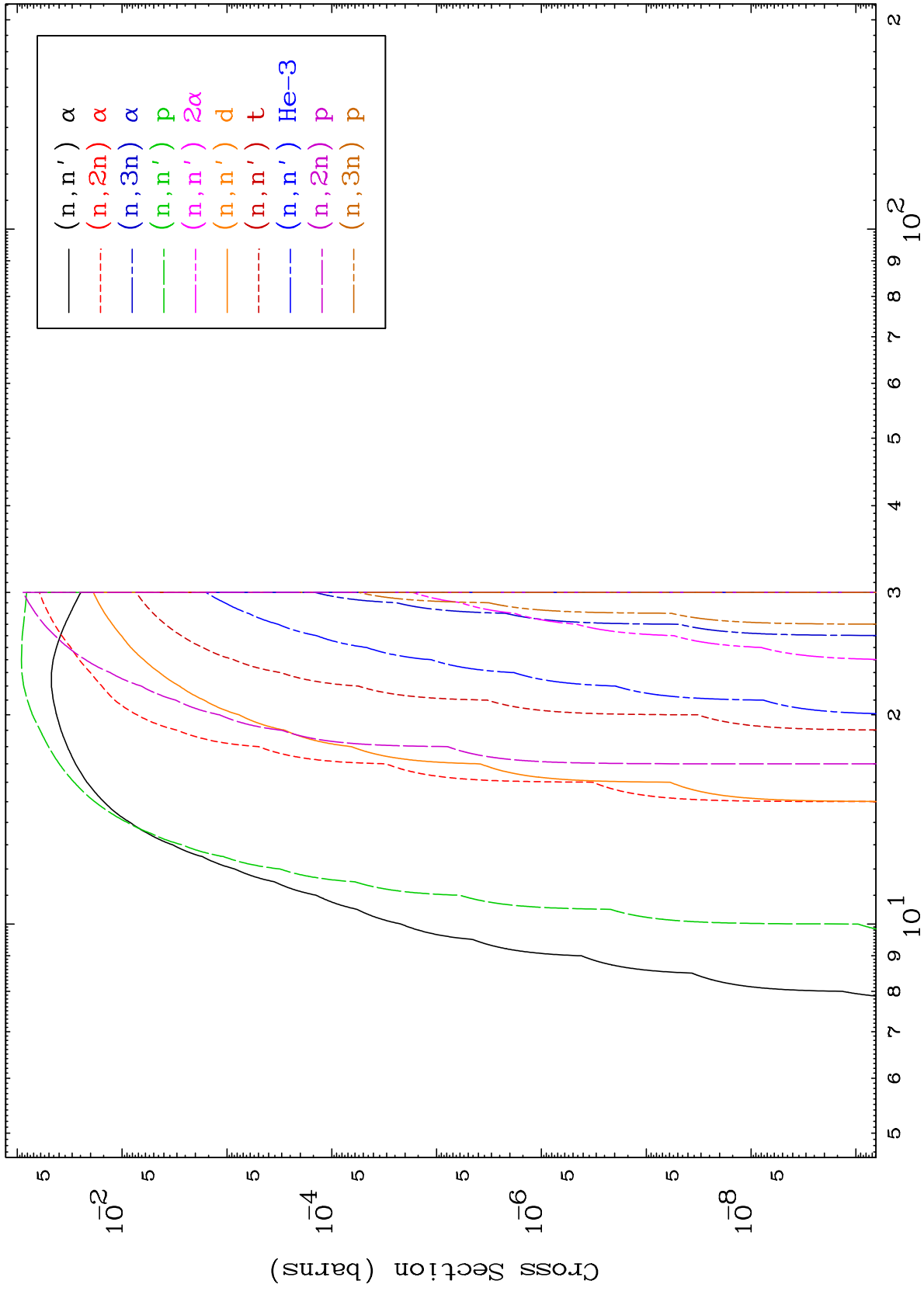
Incident Energy (MeV)

30-Zn-67

MAT 3034

Charged Particle  
293 Kelvin Cross Sections

30-Zn-67



4

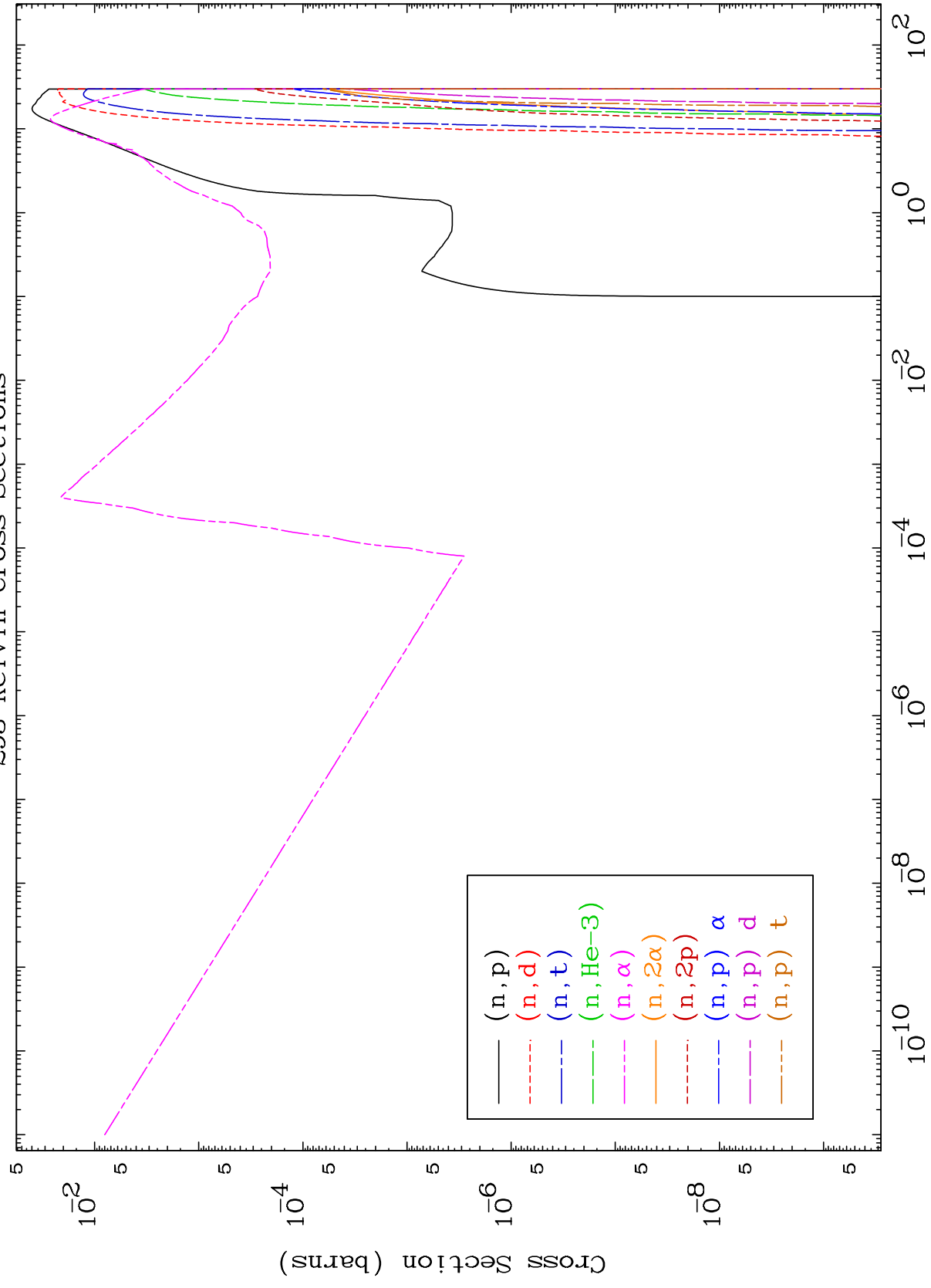
Incident Energy (MeV)

30-Zn-67

MAT 3034

Charged Particle  
293 Kelvin Cross Sections

30-Zn-67



5

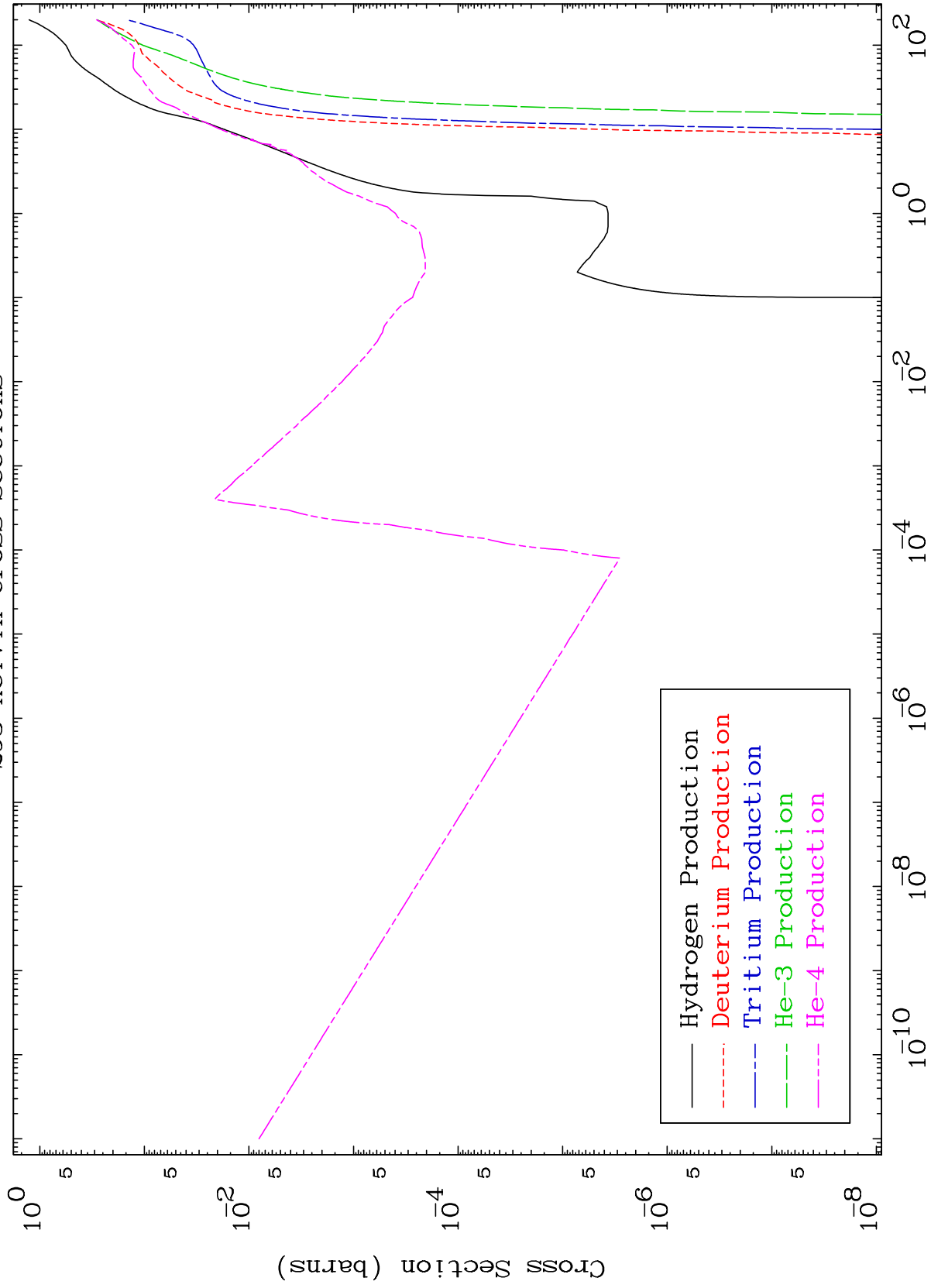
Incident Energy (MeV)

30-Zn-67

MAT 3034

Particle Production  
293 Kelvin Cross Sections

30-Zn-67

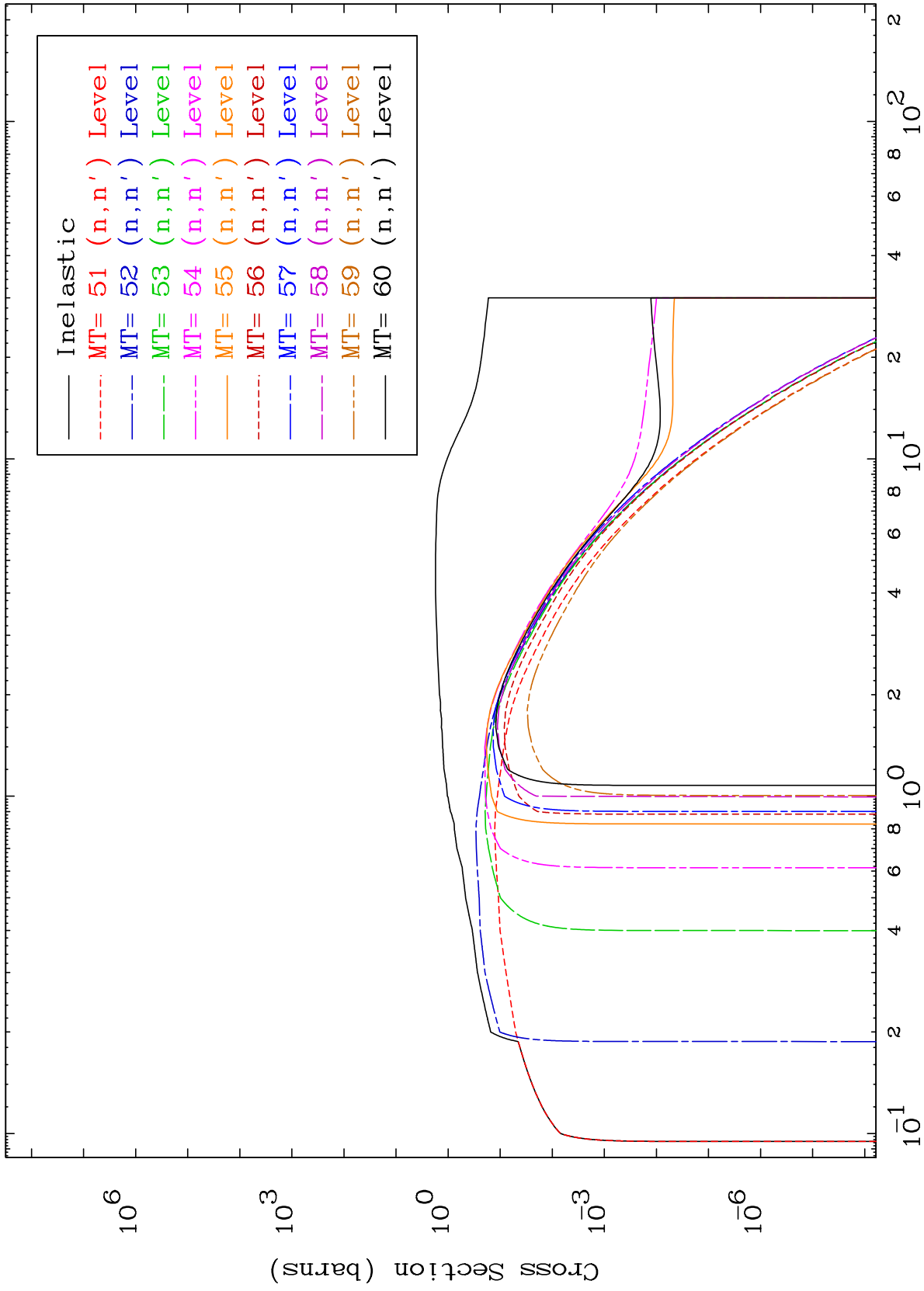


MAT 3034

(n,n') Level

30-Zn-67

293 Kelvin Cross Sections



7

Incident Energy (MeV)

30-Zn-67

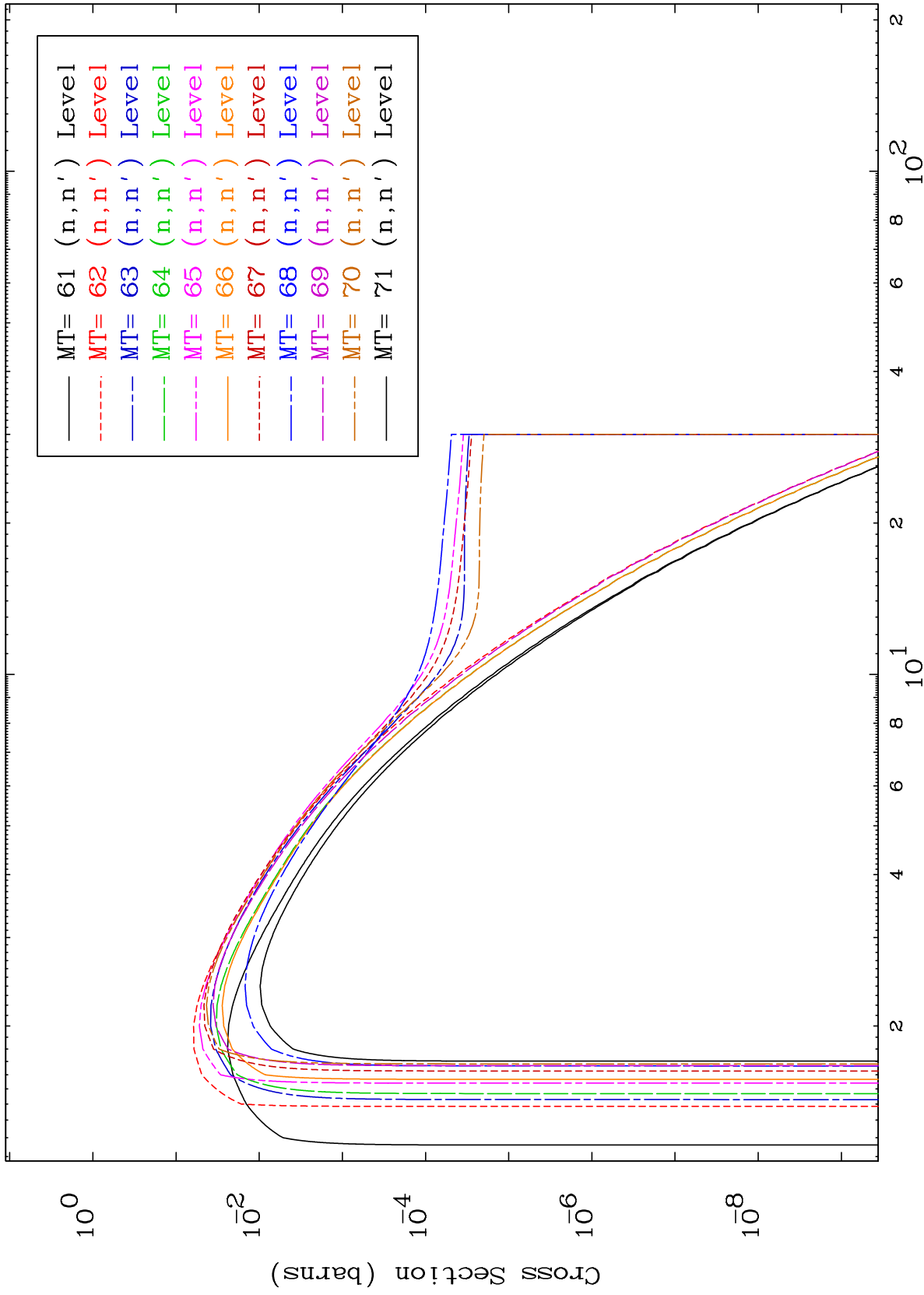


MAT 3034

(n,n') Level

30-Zn-67

293 Kelvin Cross Sections



8

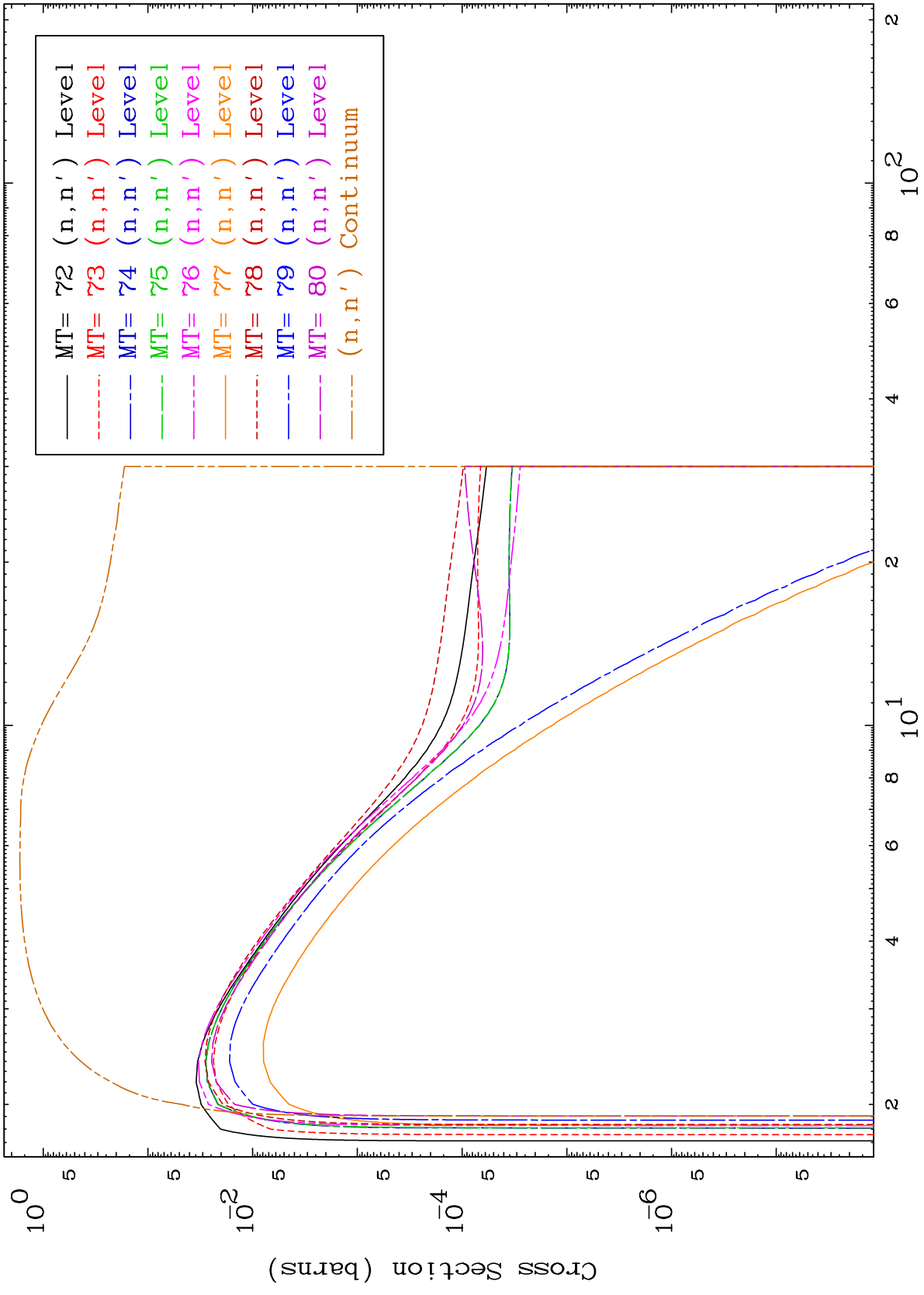
Incident Energy (MeV)

30-Zn-67

MAT 3034

(n,n') Level  
293 Kelvin Cross Sections

30-Zn-67



9

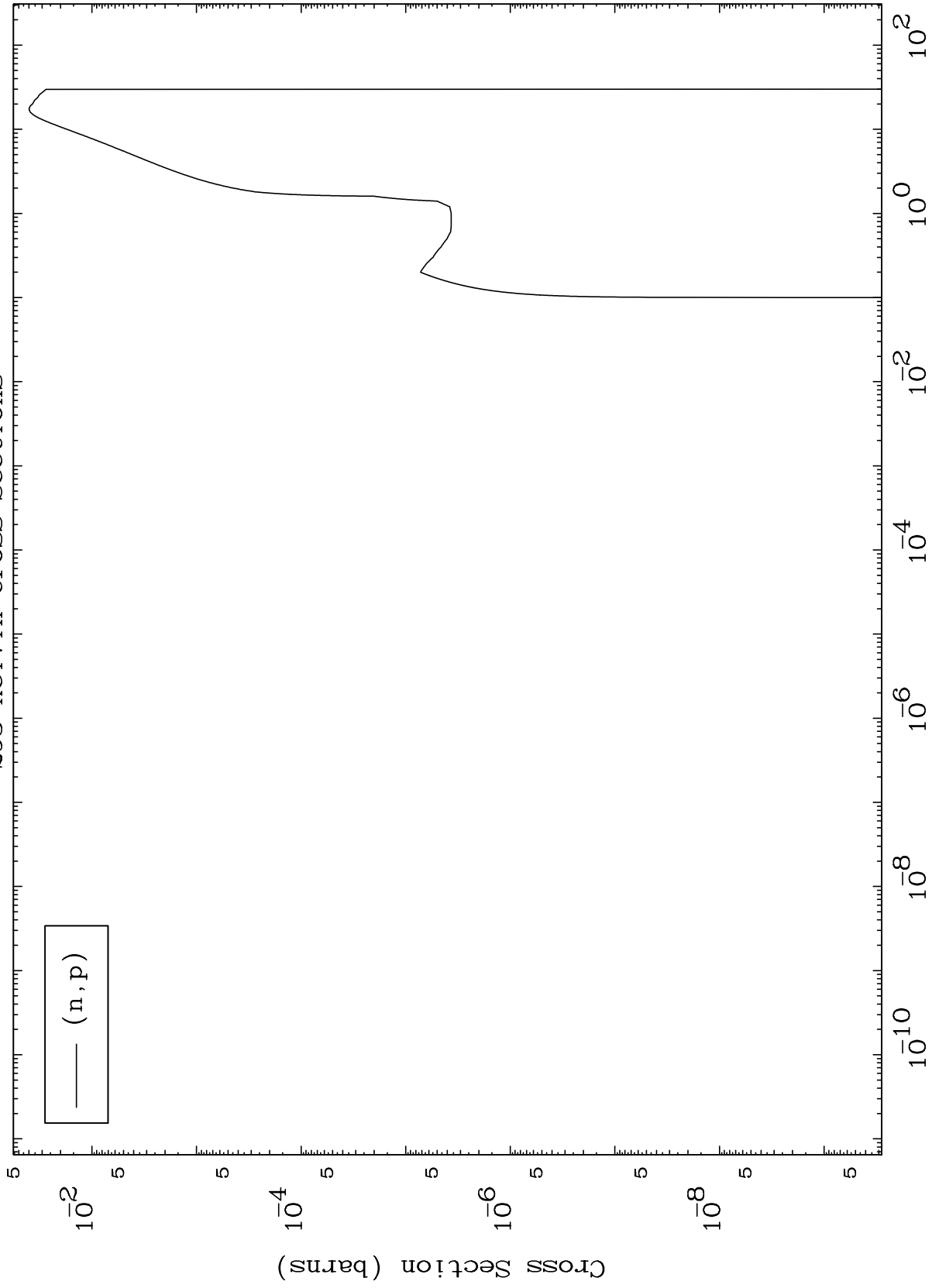
Incident Energy (MeV)

30-Zn-67

MAT 3034

(n,p) Levels  
293 Kelvin Cross Sections

30-Zn-67



10

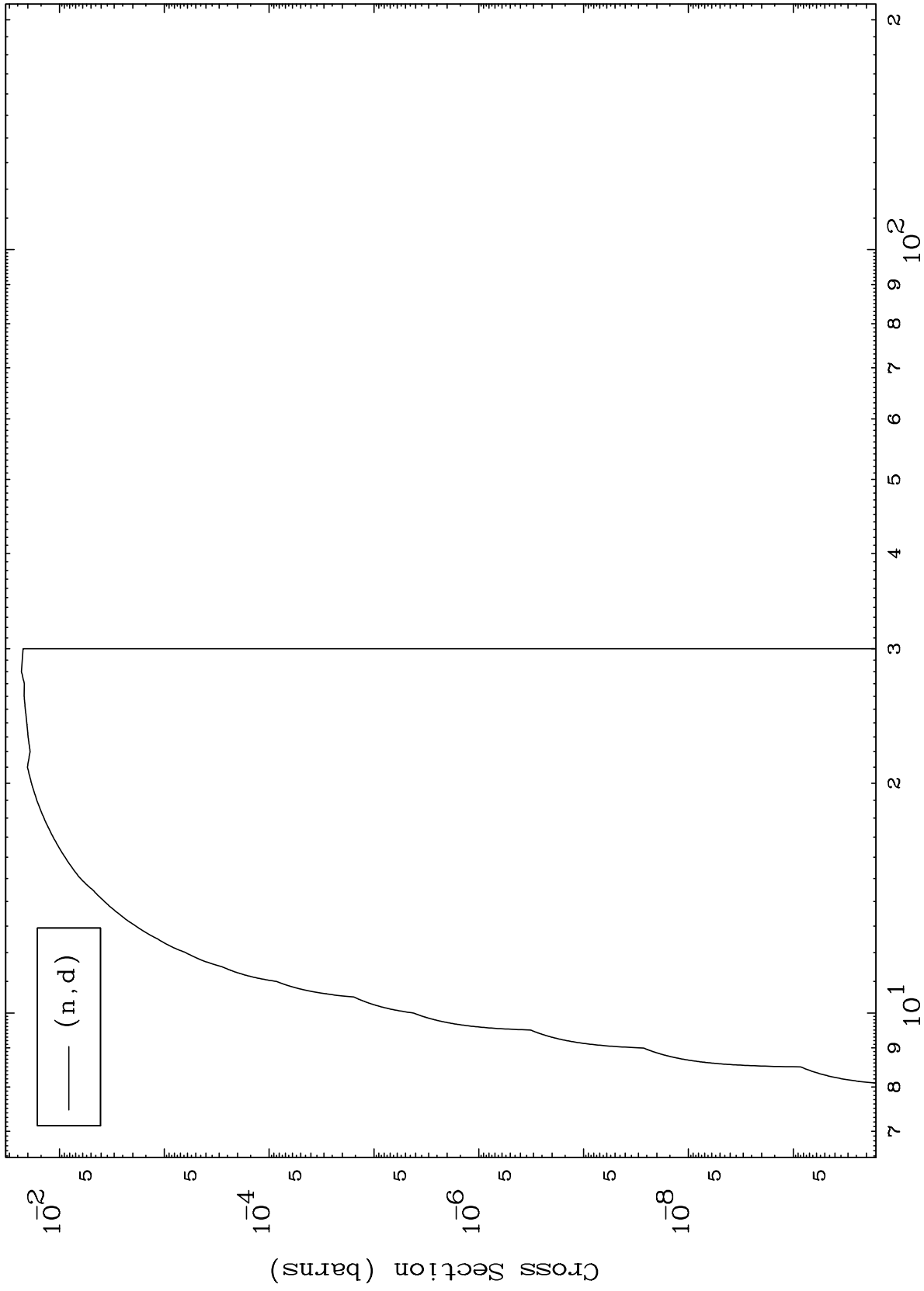
Incident Energy (MeV)

30-Zn-67

MAT 3034

(n,d) Levels  
293 Kelvin Cross Sections

30-Zn-67



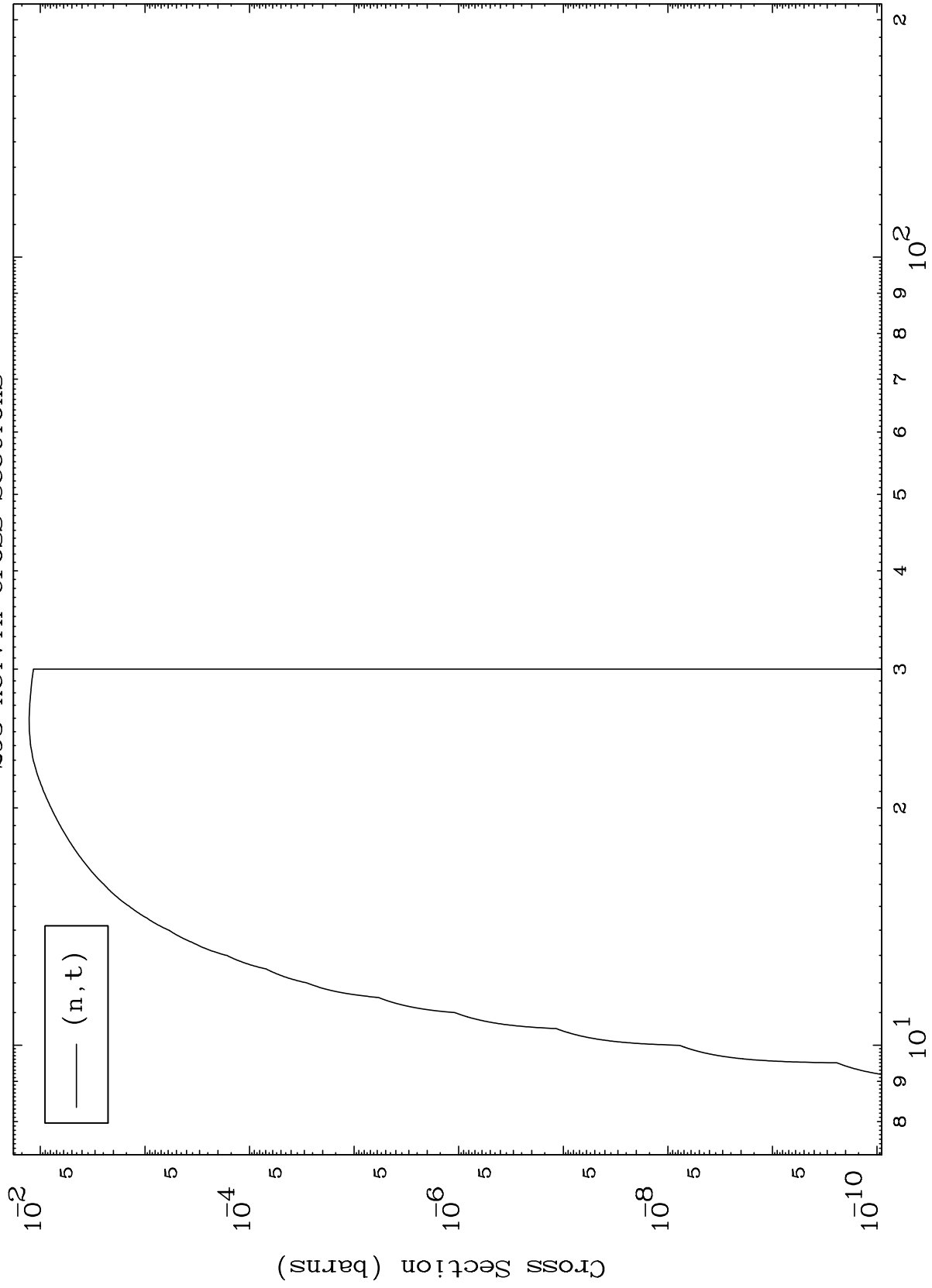
11

30-Zn-67

MAT 3034

30-Zn-67

(n,t) Levels  
293 Kelvin Cross Sections



12

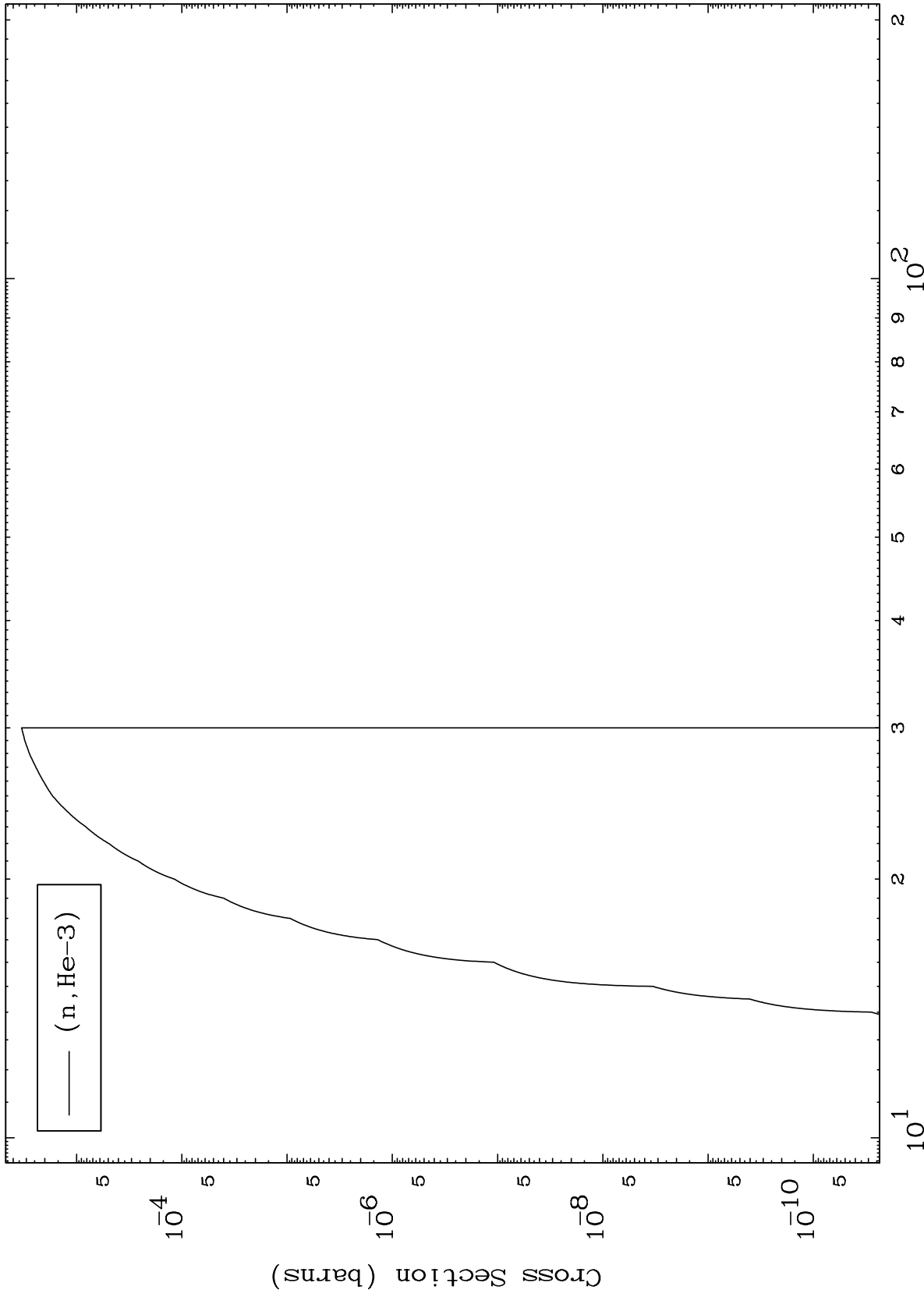
Incident Energy (MeV)

30-Zn-67

MAT 3034

(n,He3) Levels  
293 Kelvin Cross Sections

30-Zn-67



13

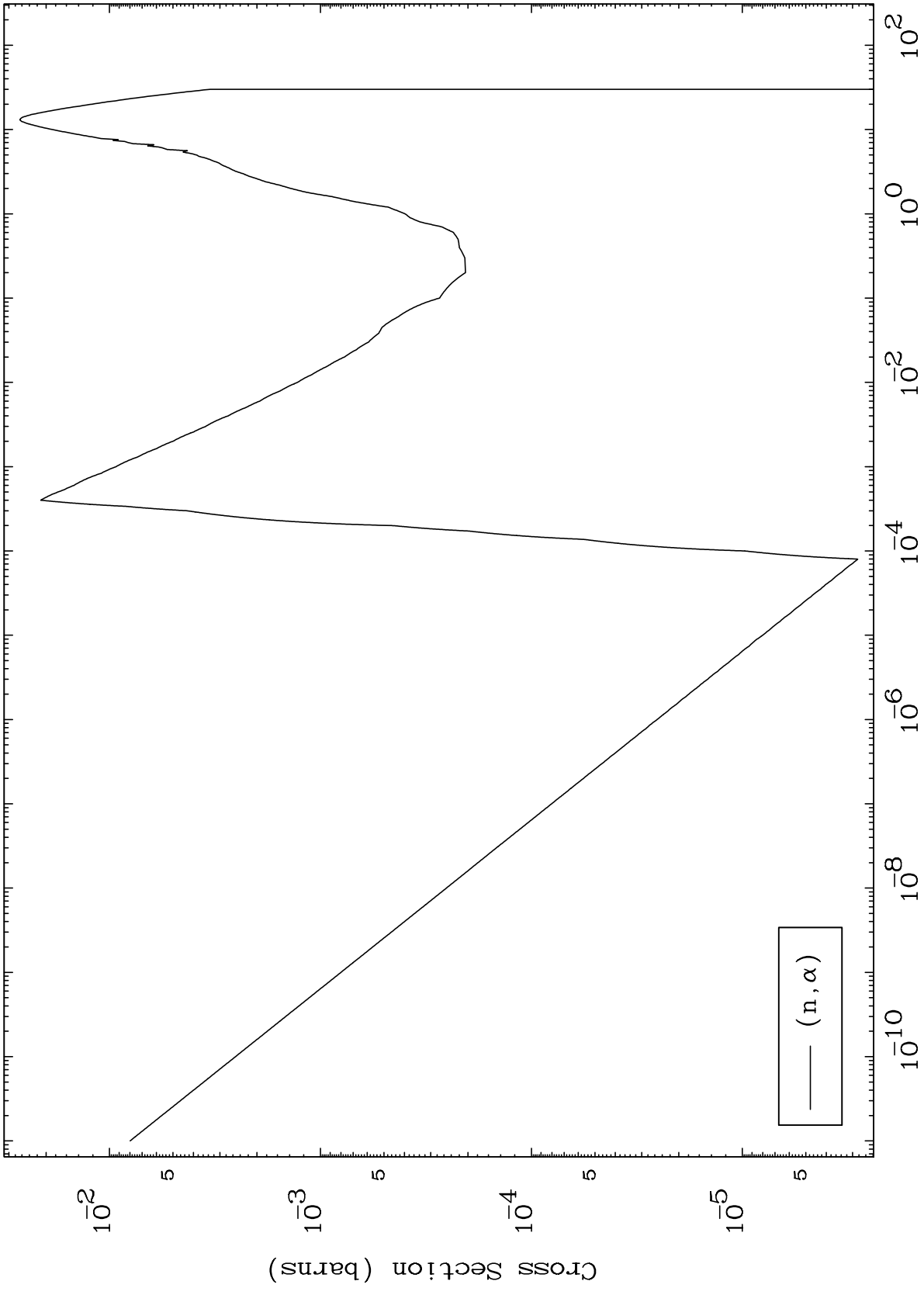
Incident Energy (MeV)

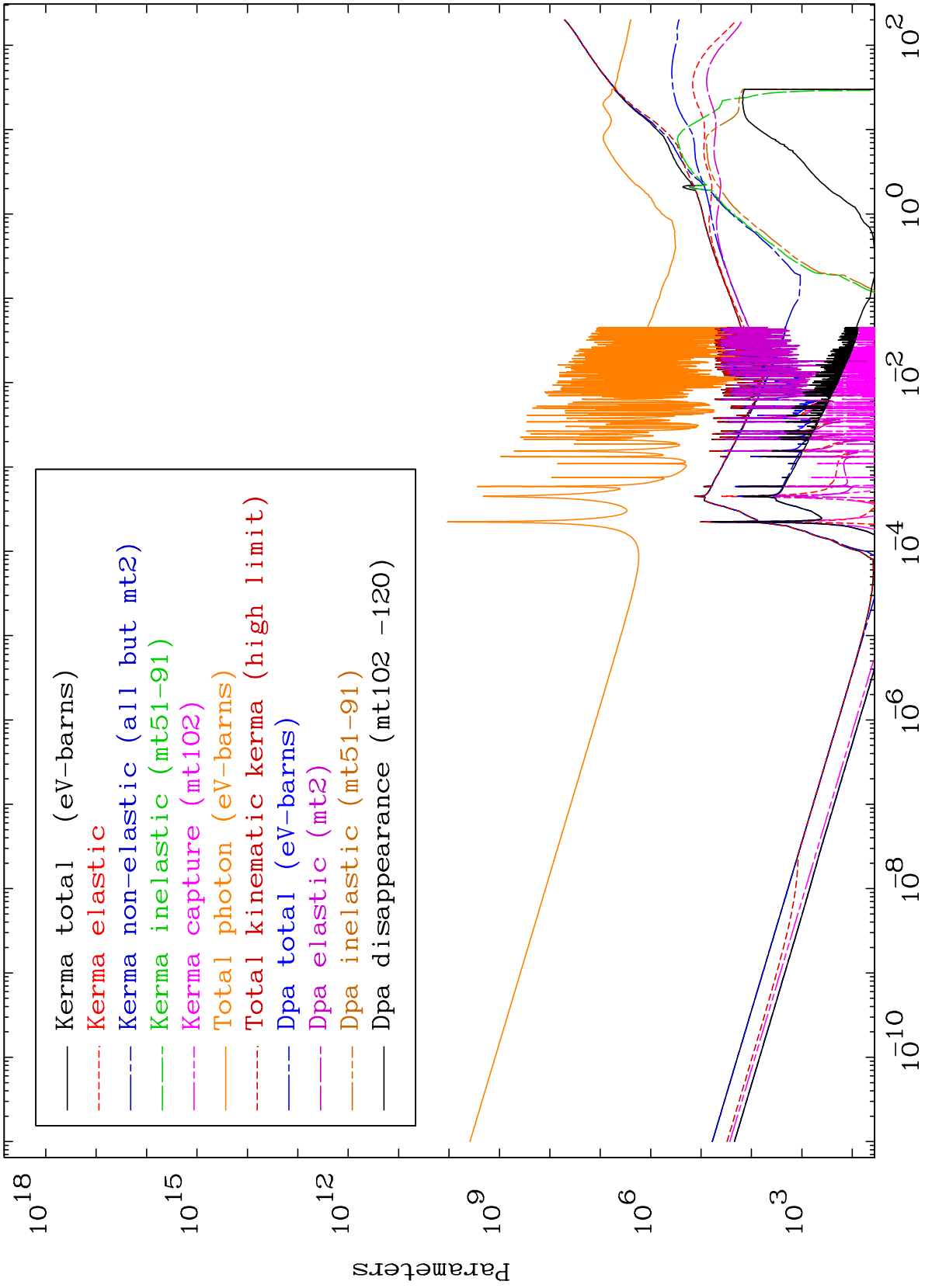
30-Zn-67

MAT 3034

(n,α) Levels  
293 Kelvin Cross Sections

30-Zn-67







MAT 3034

Elastic Legendre Coefficients

30-Zn-67



16

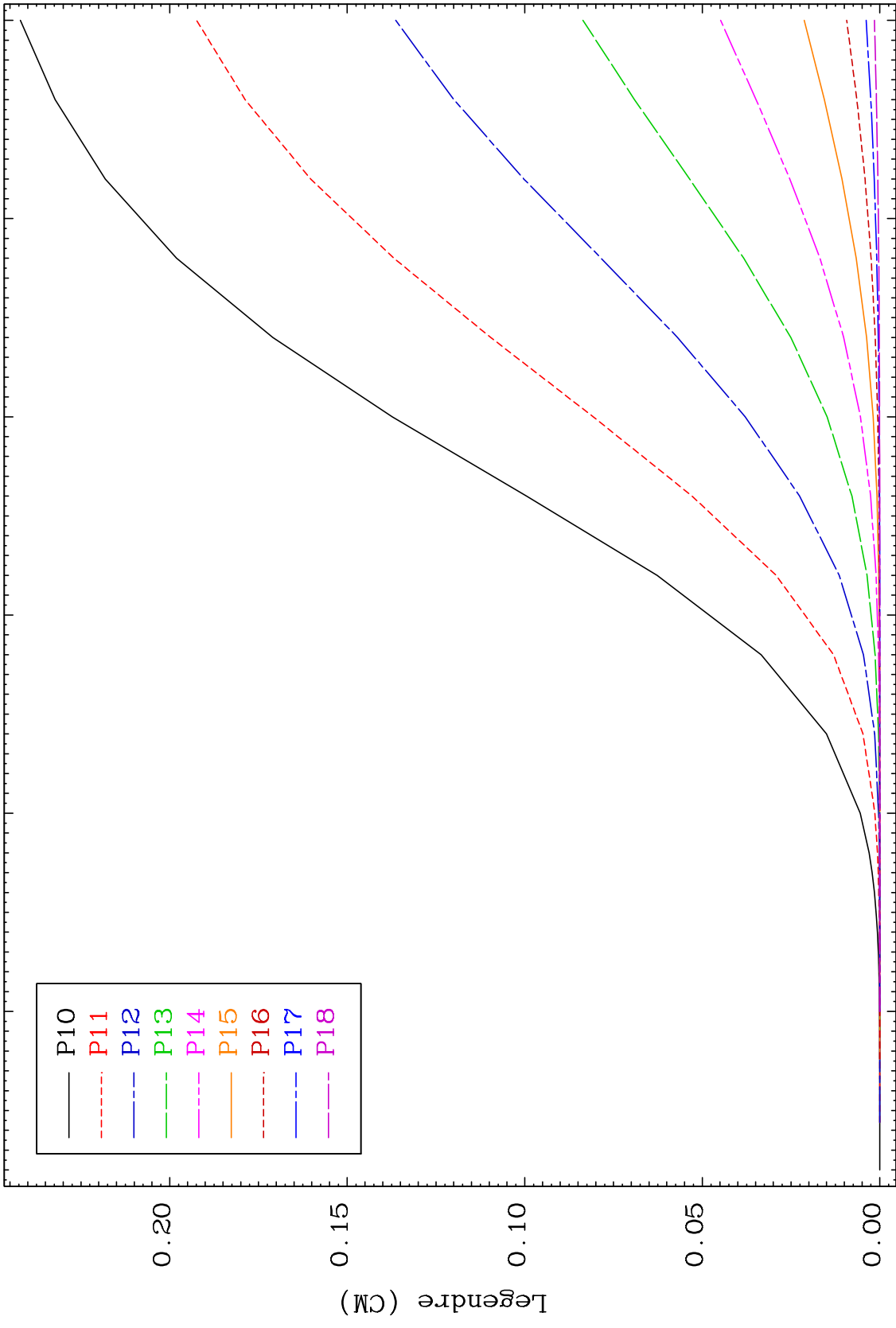
Incident Energy (MeV)

30-Zn-67

MAT 3034

Elastic Legendre Coefficients

30-Zn-67



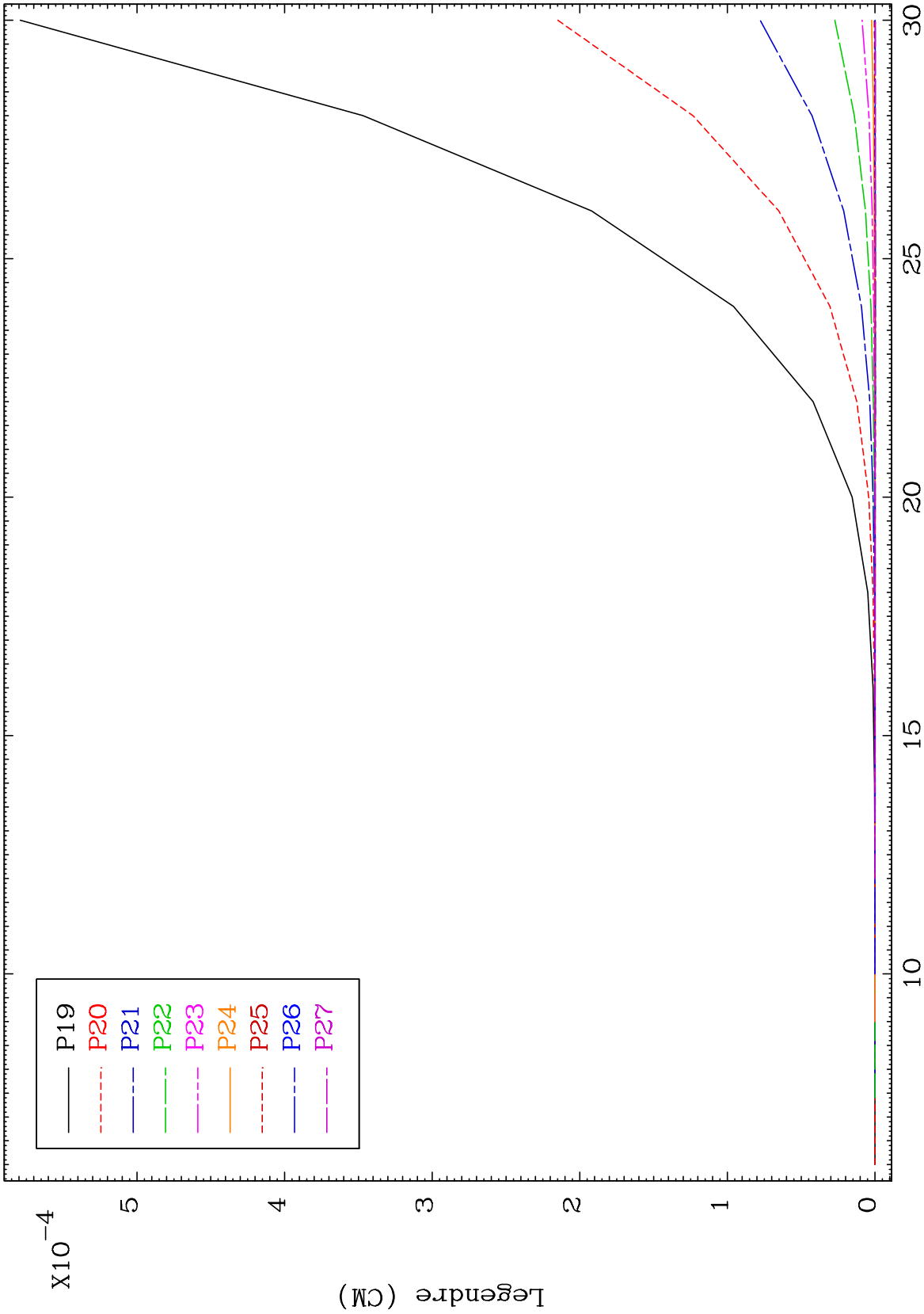
17

30-Zn-67

MAT 3034

### Elastic Legendre Coefficients

30-Zn-67



18

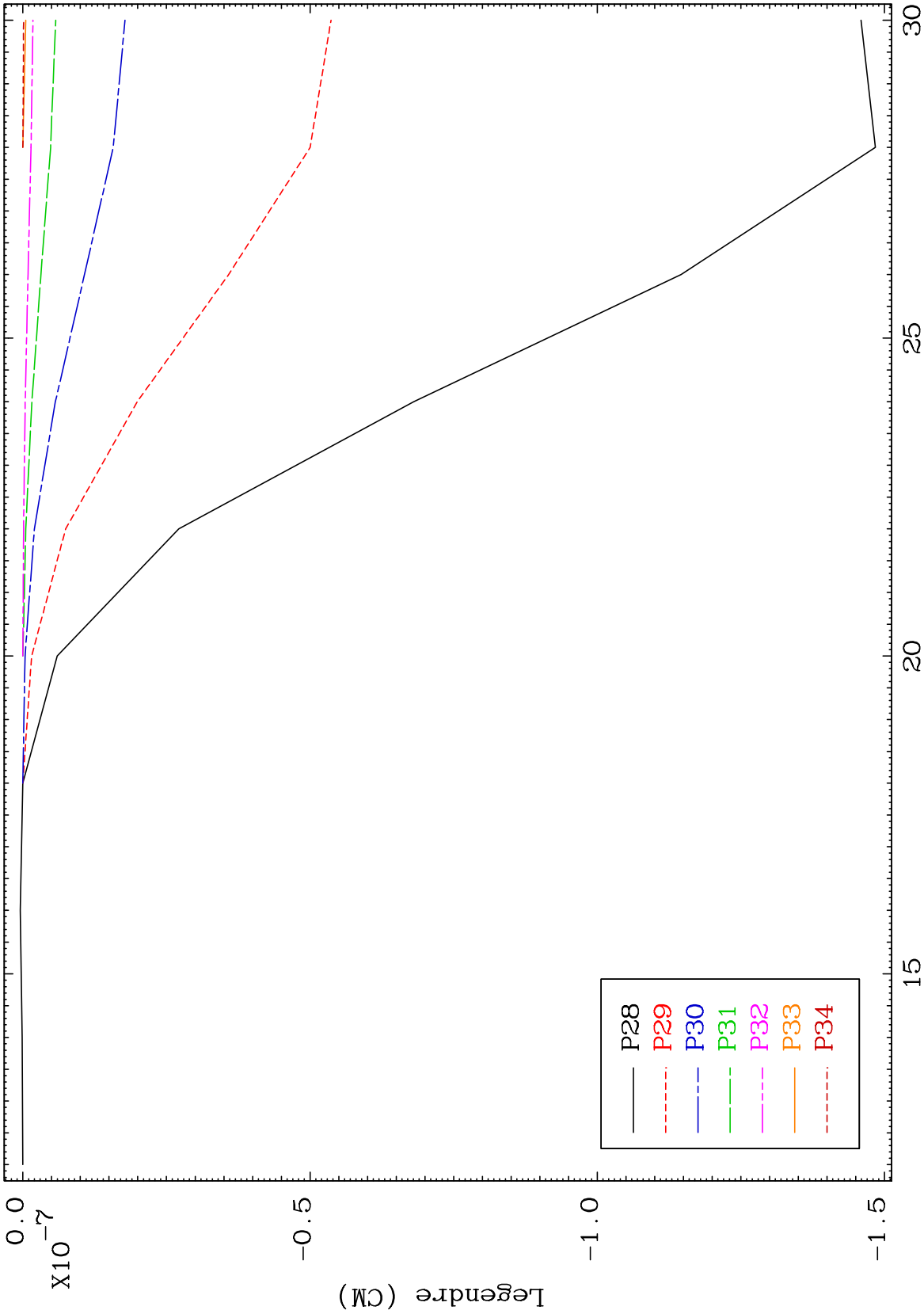
Incident Energy (MeV)

30-Zn-67

MAT 3034

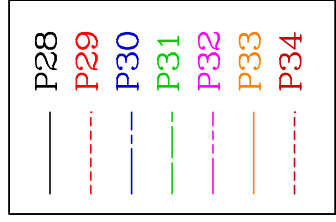
Elastic Legendre Coefficients

30-Zn-67



$10^{-7}$

Legendre (CM)

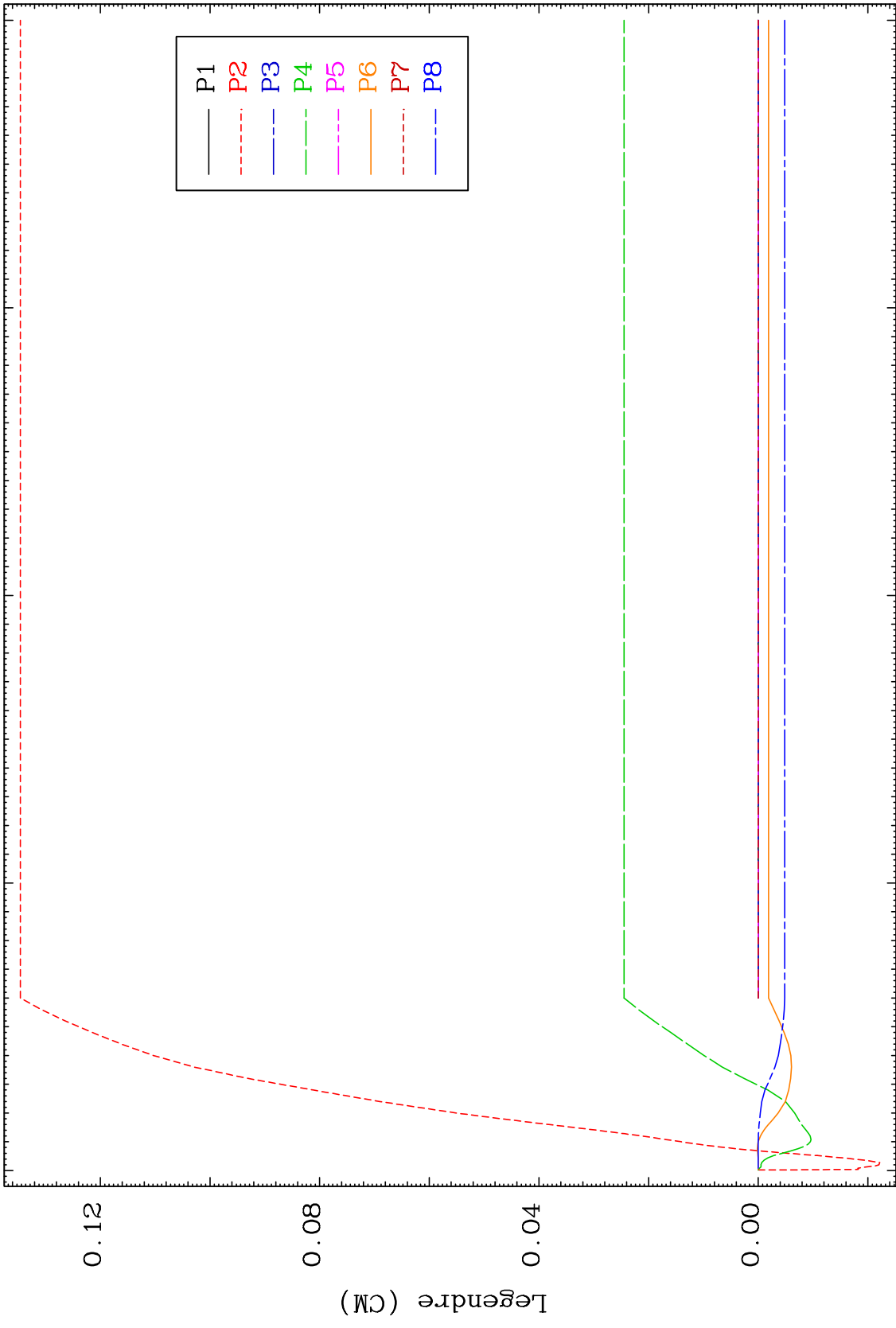


19

Incident Energy (MeV)

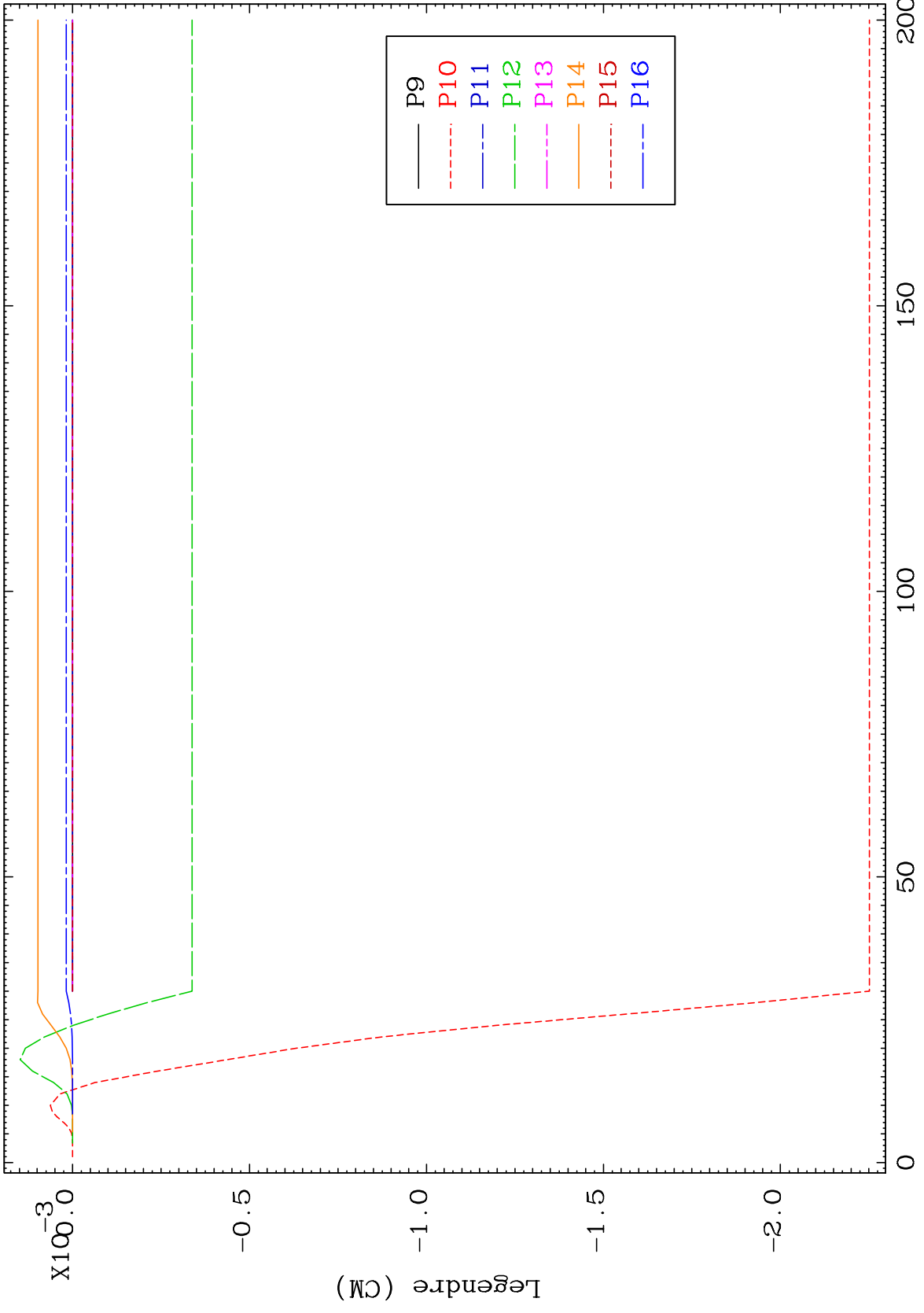
30-Zn-67

MAT 3034 MT= 51 (n,n') Level Legendre Coefficients 30-Zn-67

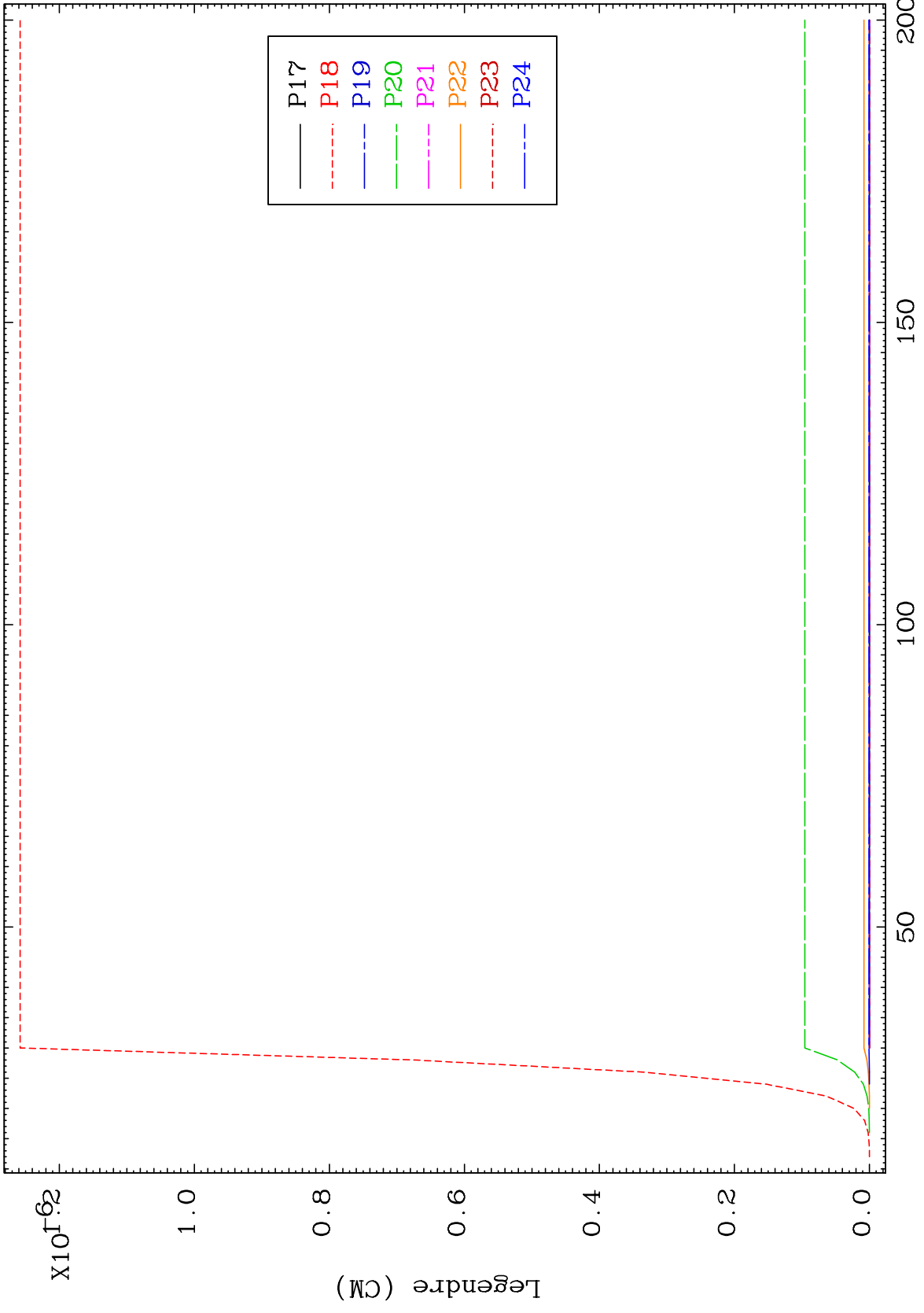


30-Zn-67

MAT 3034 MT= 51 (n,n') Level Legendre Coefficients 30-Zn-67

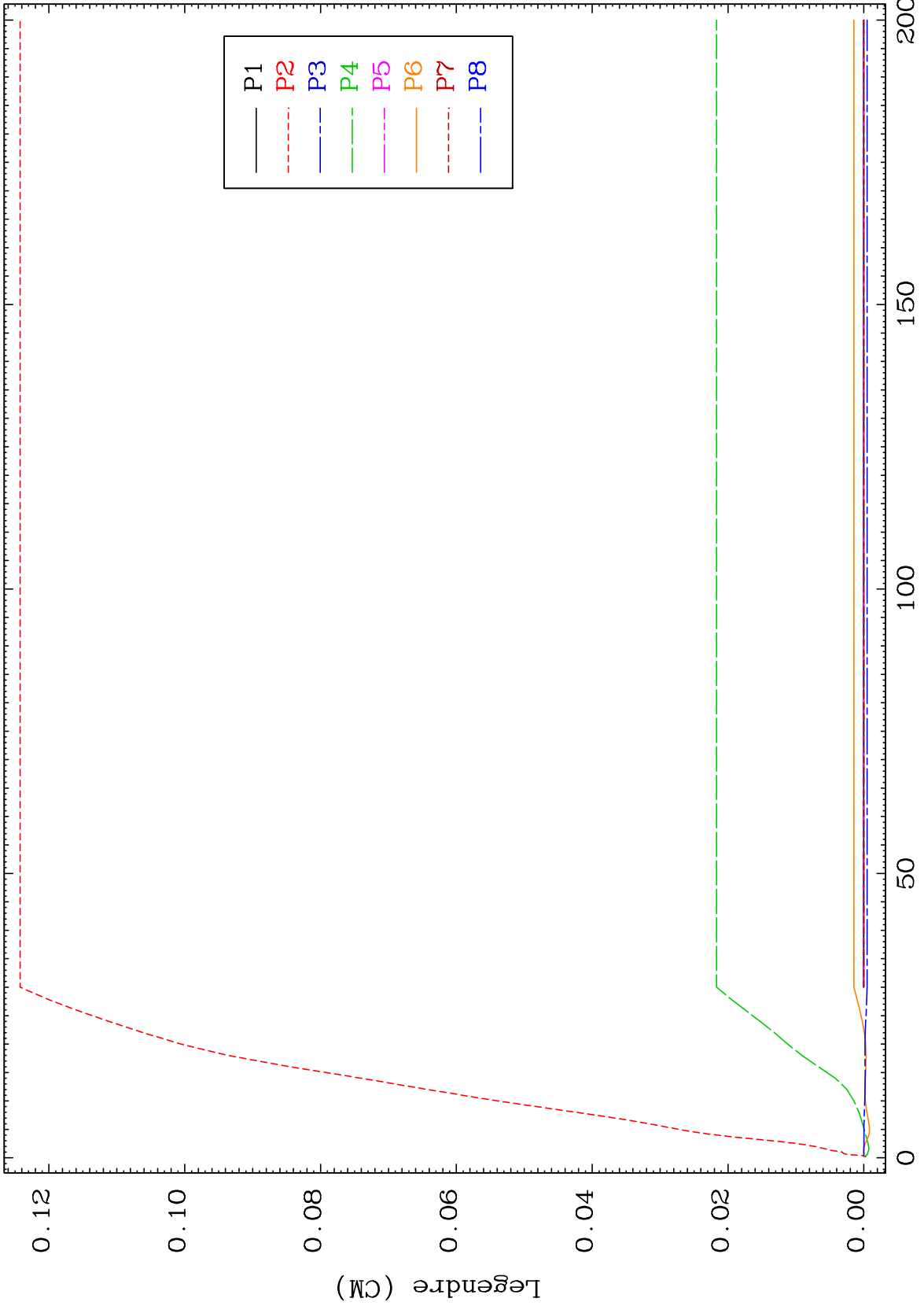


MAT 3034 MT= 51 (n,n') Level Legendre Coefficients 30-Zn-67



22 50 100 150 200 30-Zn-67

MAT 3034 MT= 52 (n,n') Level Legendre Coefficients 30-Zn-67



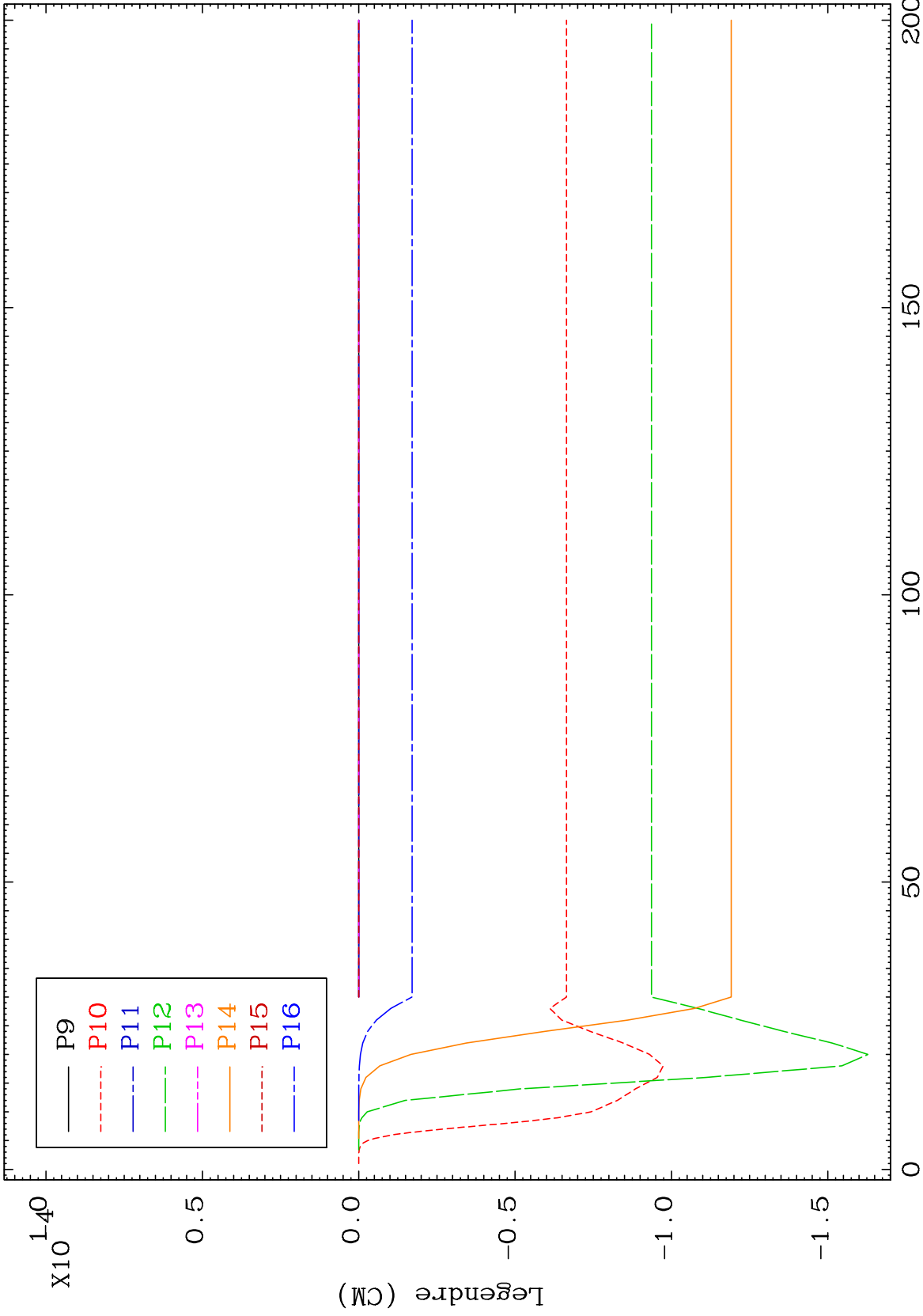
30-Zn-67



MAT 3034

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

30-Zn-67

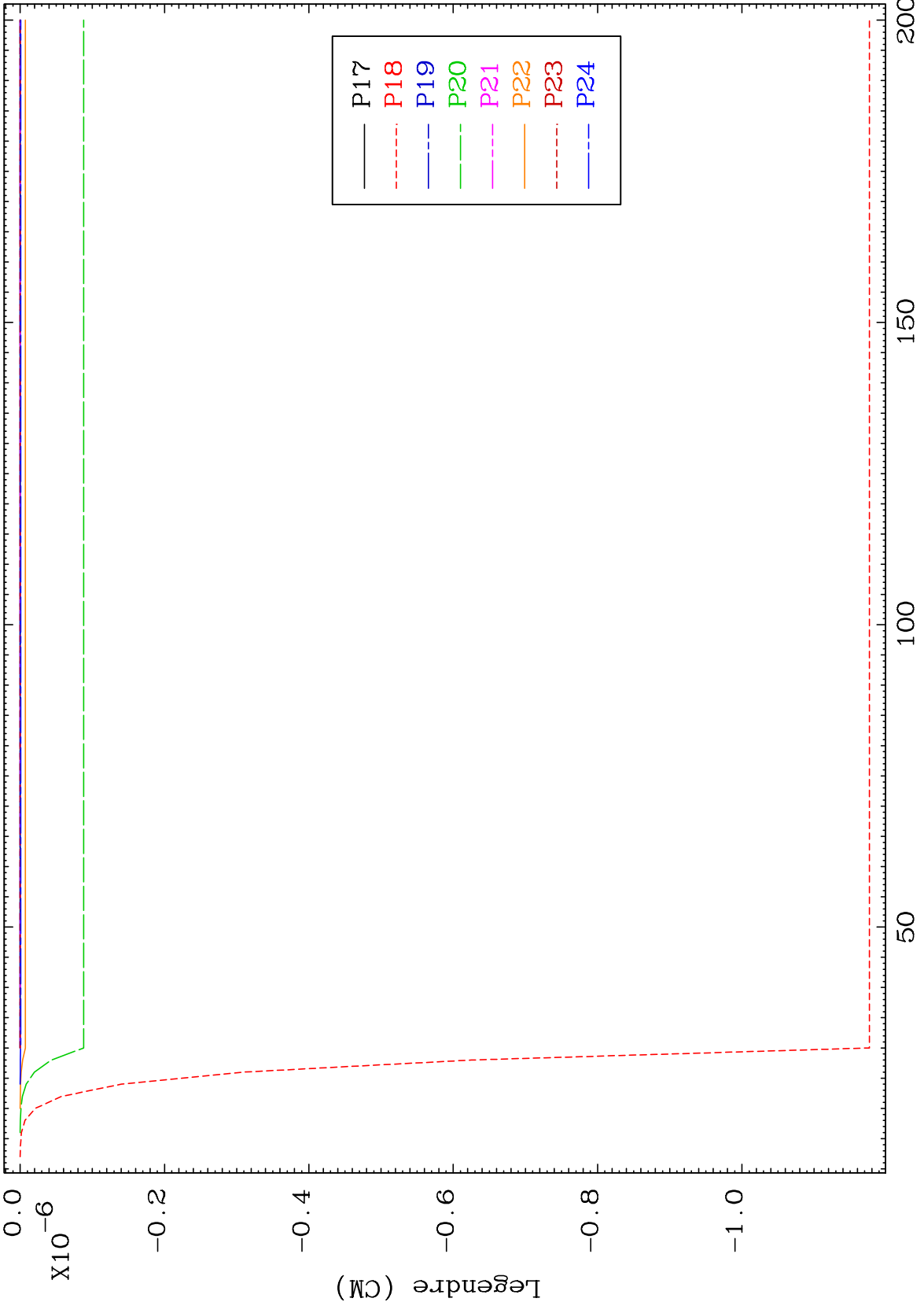


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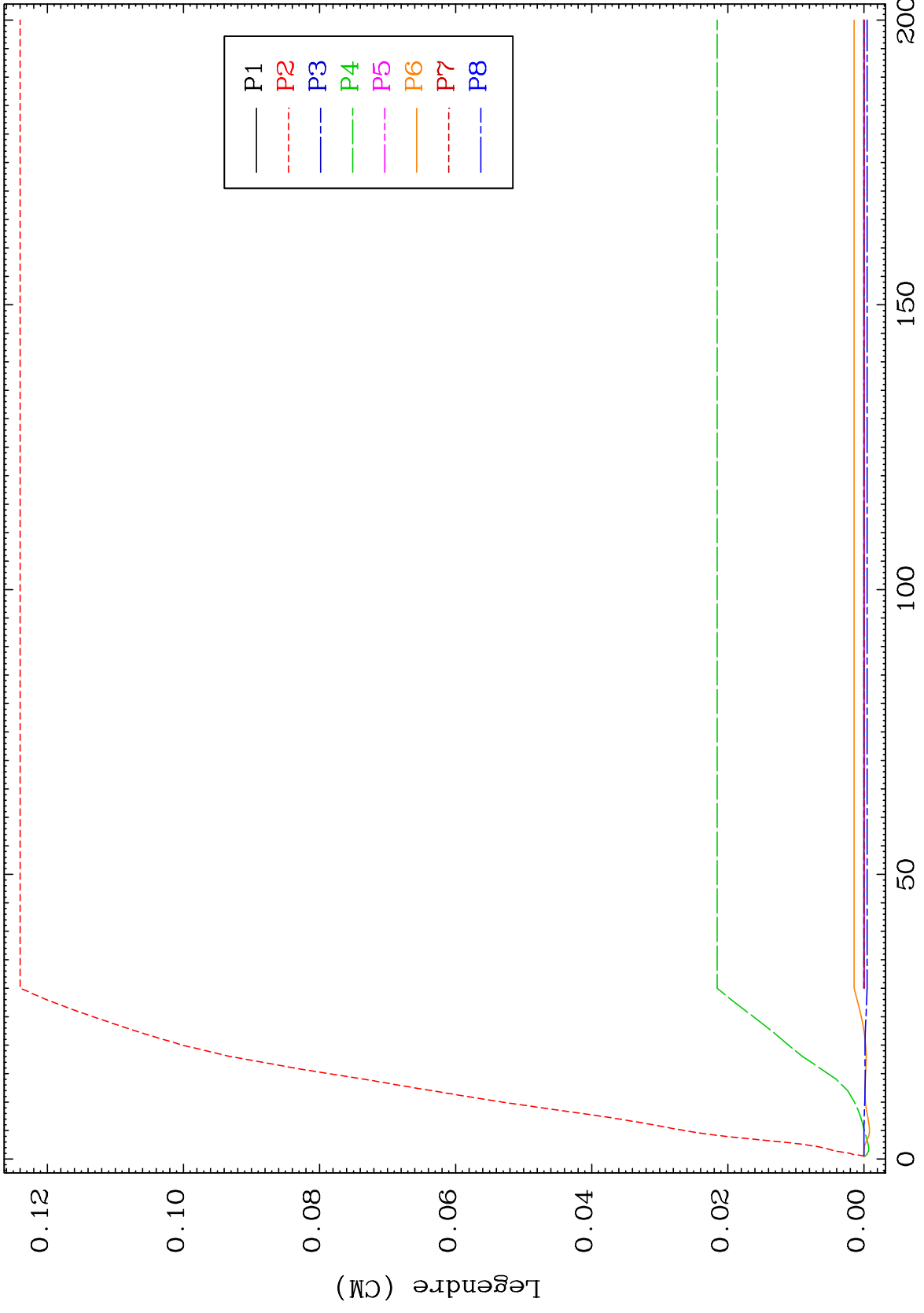
Incident Energy (MeV)

30-Zn-67

MAT 3034 MT= 52 (n,n') Level Legendre Coefficients 30-Zn-67



MAT 3034 MT= 53 (n,n') Level Legendre Coefficients 30-Zn-67

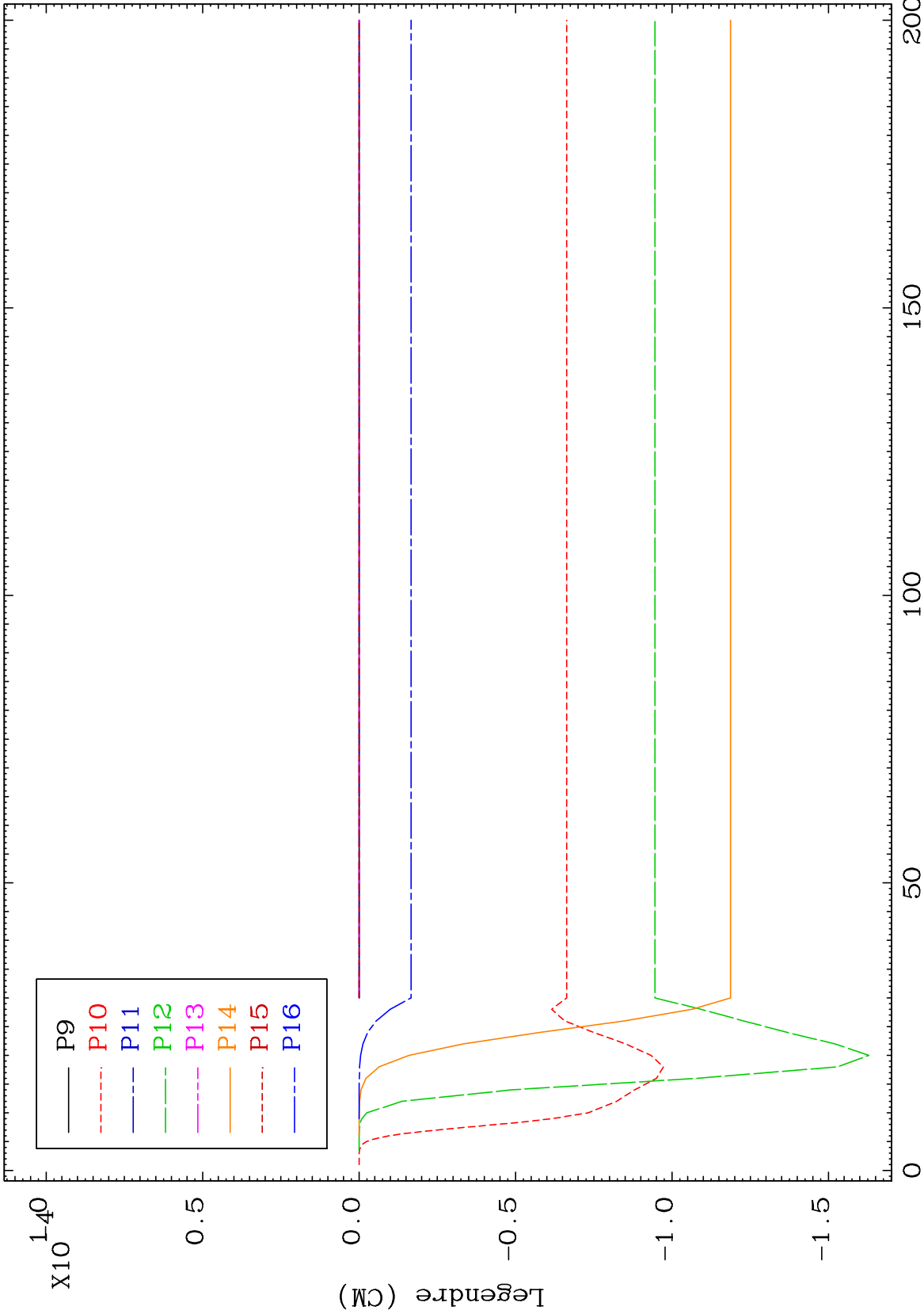


Legendre (CM) Incident Energy (MeV) 30-Zn-67

MAT 3034

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

30-Zn-67



27

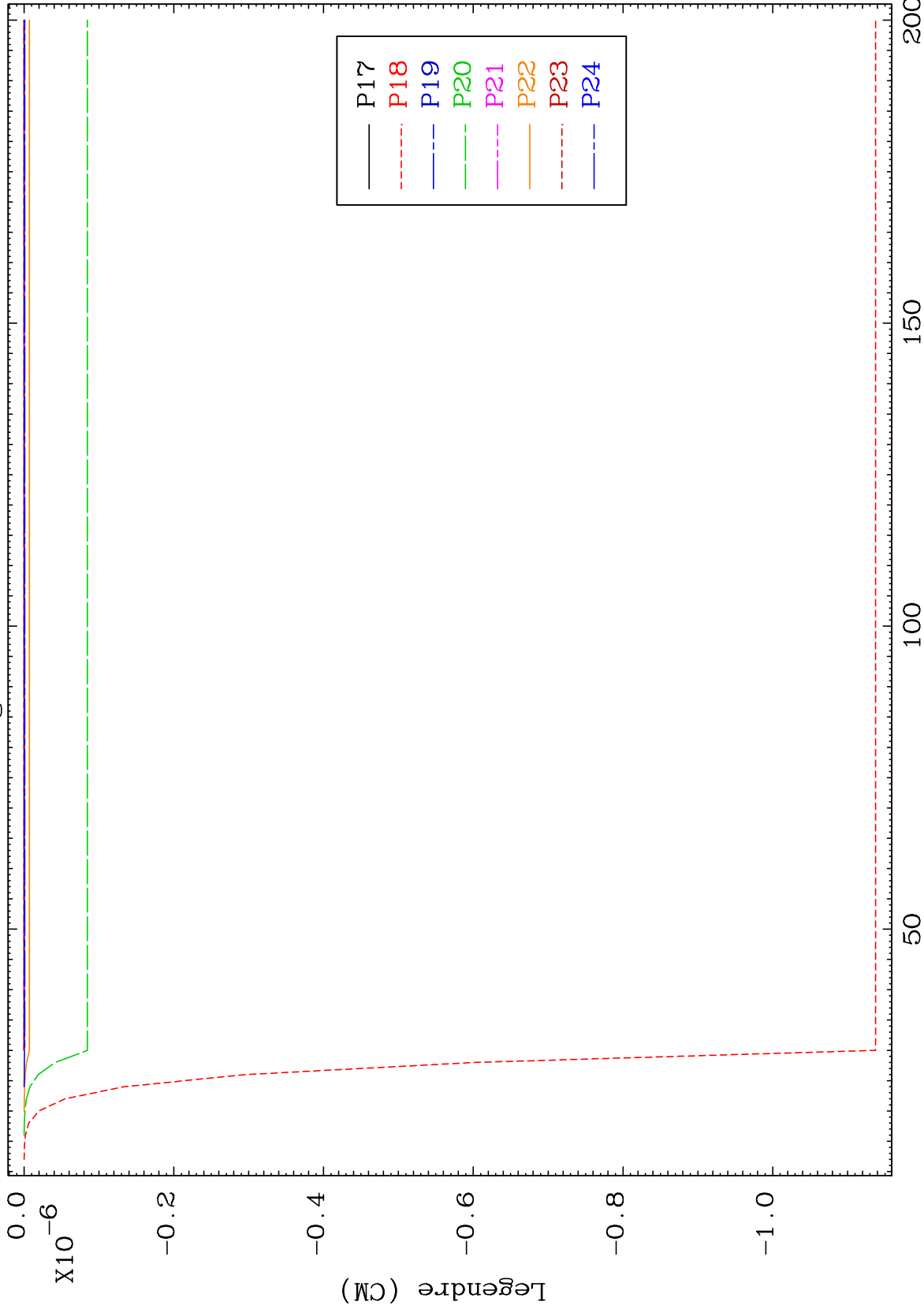
Incident Energy (MeV)

30-Zn-67

MAT 3034

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

30-Zn-67



30-Zn-67

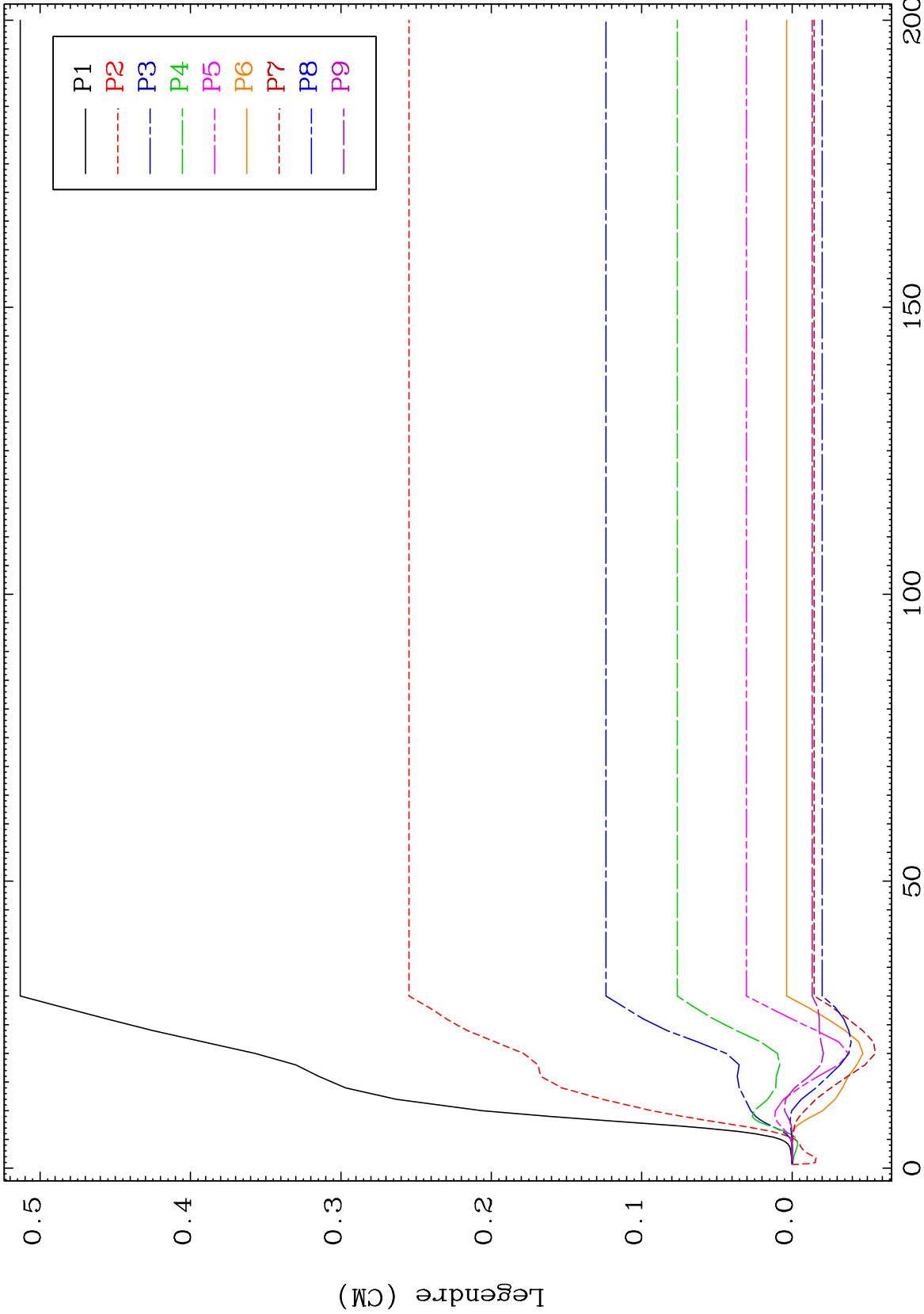
Incident Energy (MeV)

28

MAT 3034

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

30-Zn-67

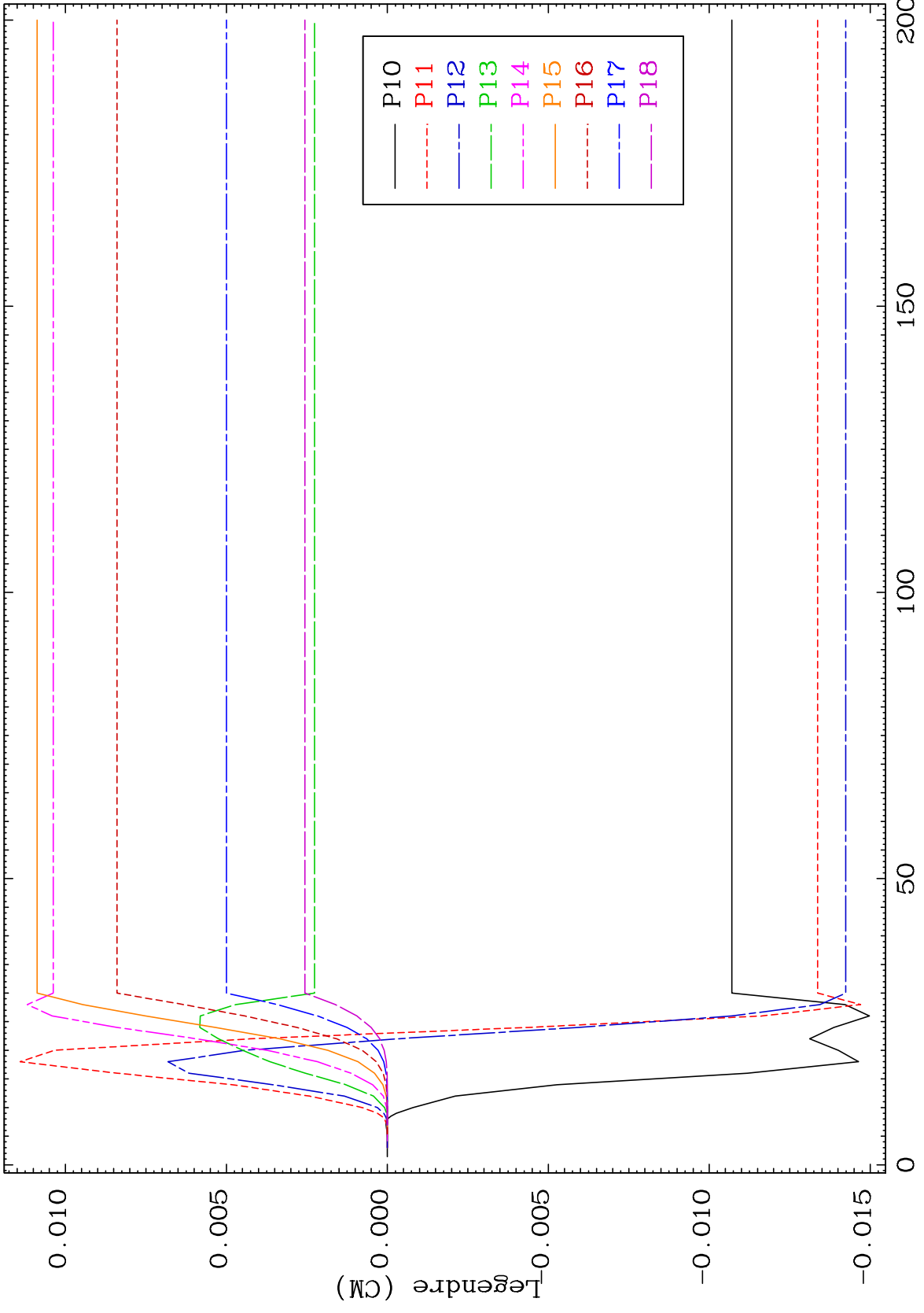


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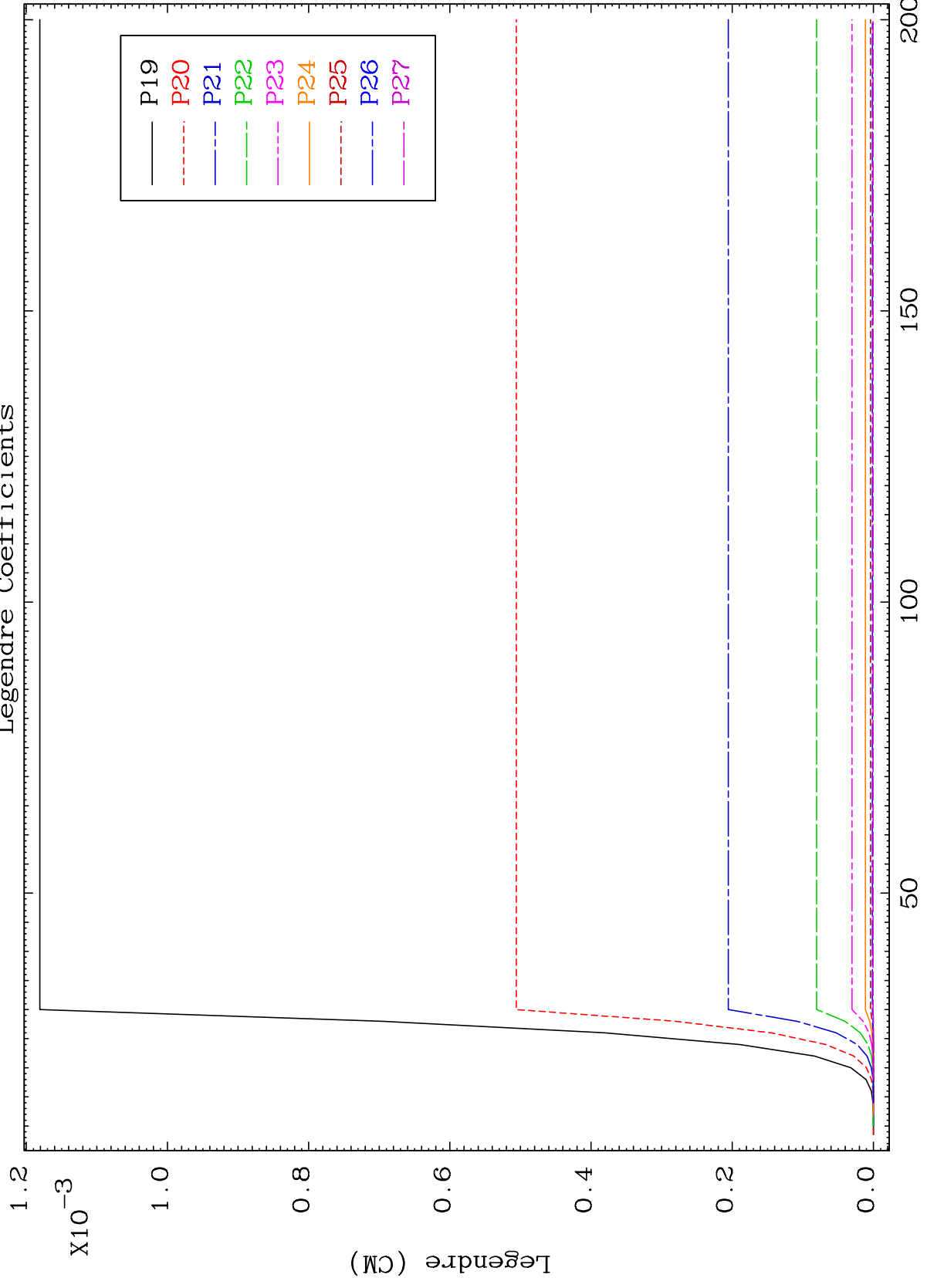
Incident Energy (MeV)

30-Zn-67

MAT 3034 MT= 54 (n,n') Level Legendre Coefficients 30-Zn-67

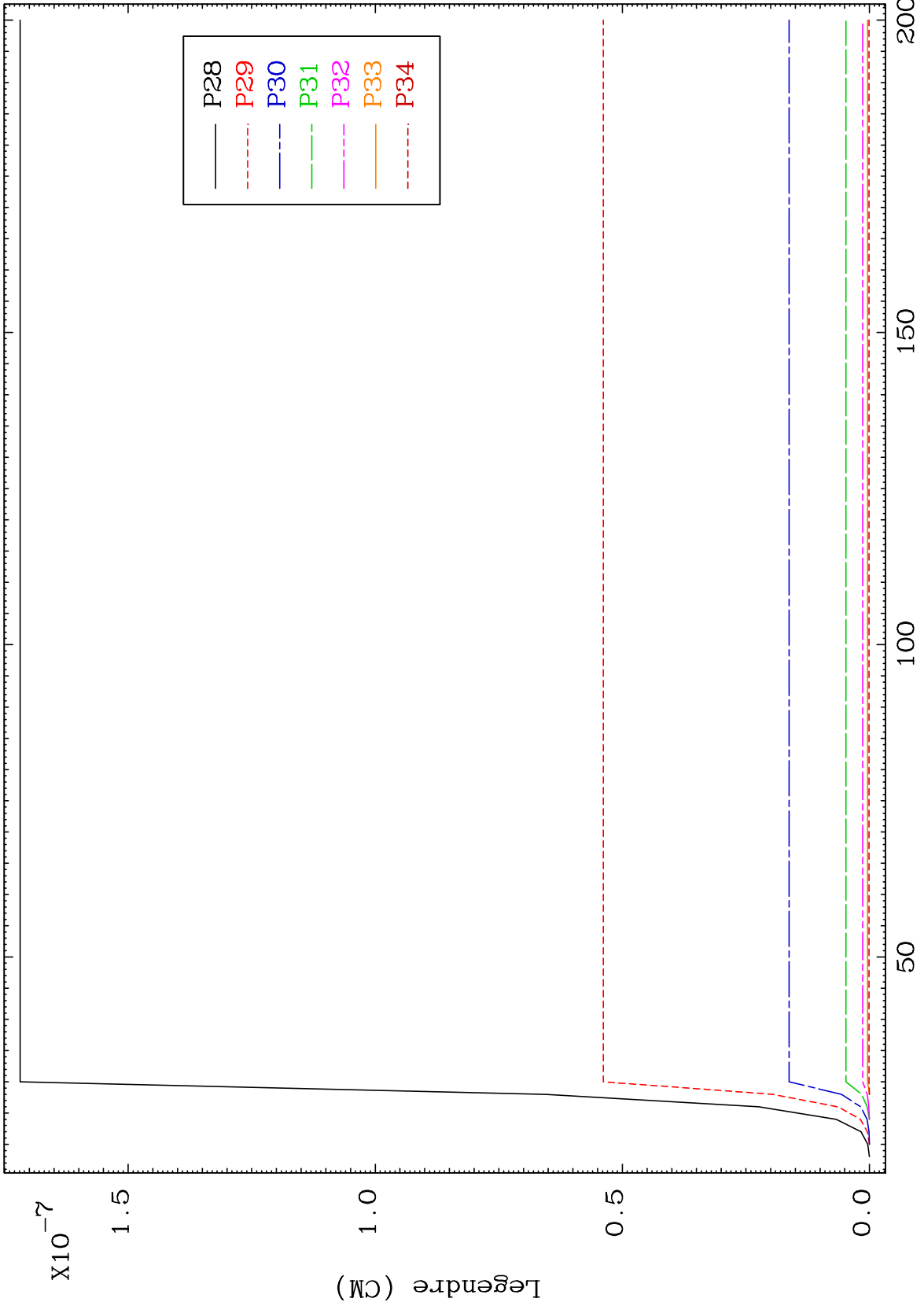


30-Zn-67





MAT 3034 MT= 54 (n,n') Level Legendre Coefficients 30-Zn-67

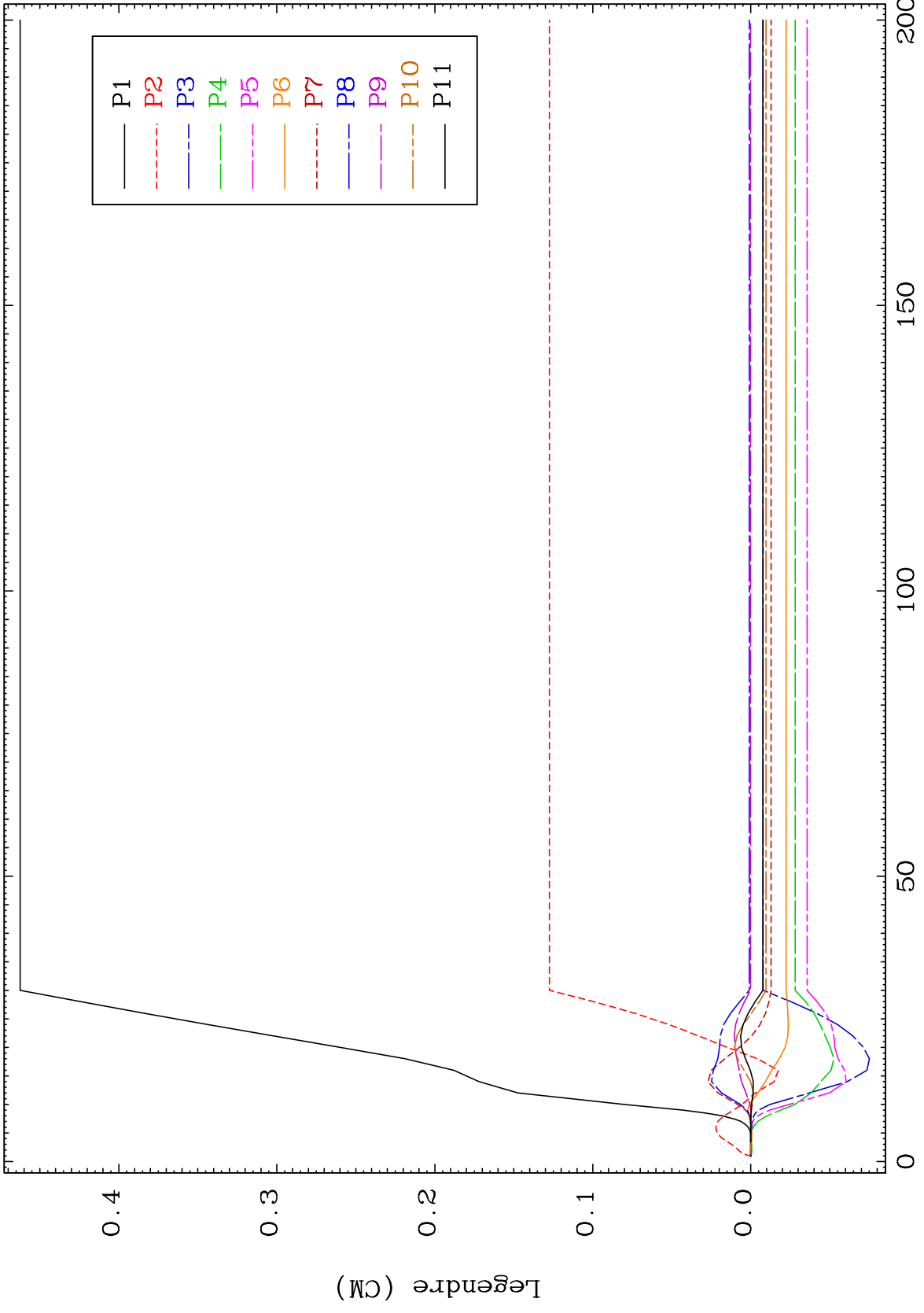


32 Incident Energy (MeV) 30-Zn-67

MAT 3034

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

30-Zn-67



33

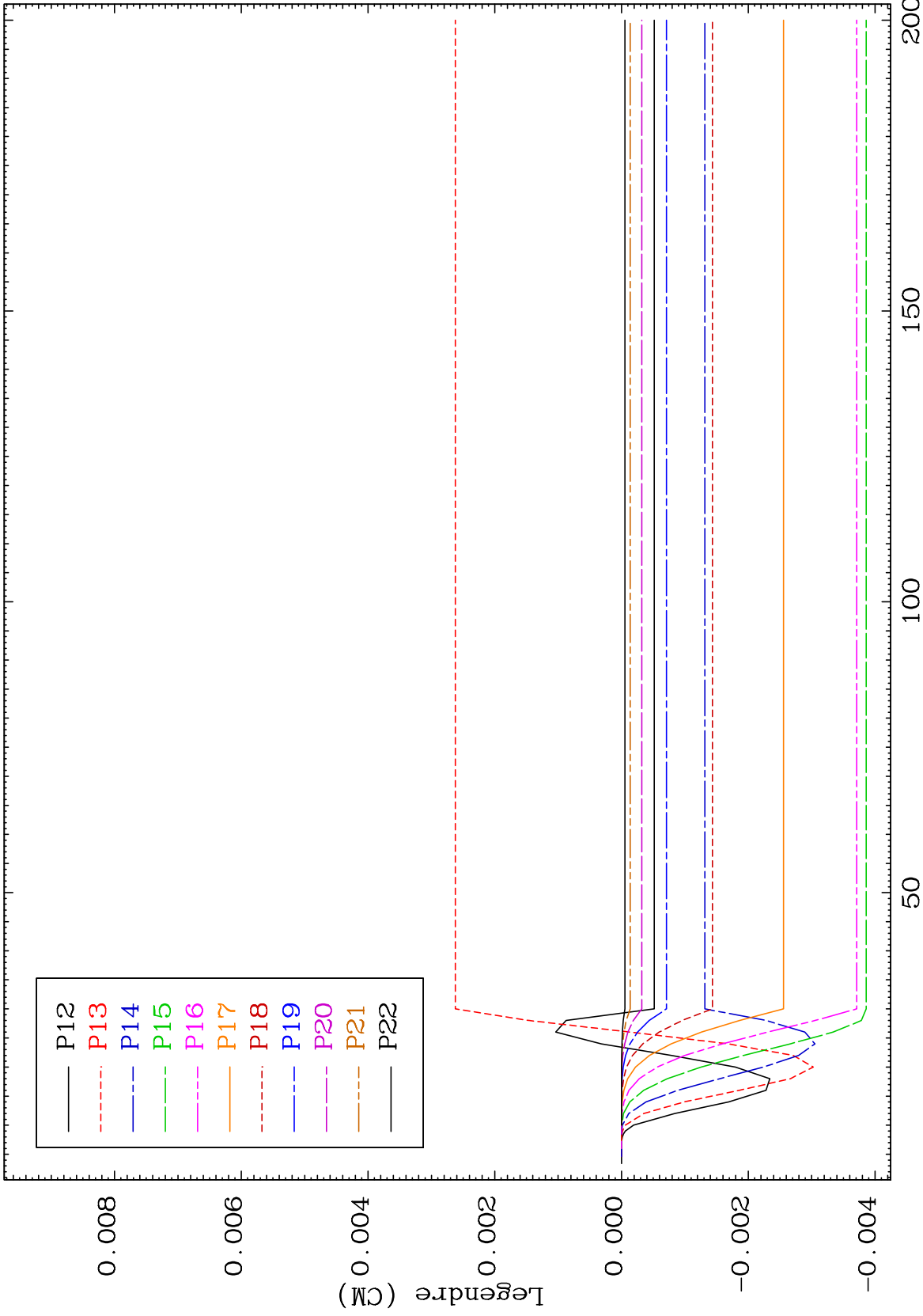
Incident Energy (MeV)

30-Zn-67

MAT 3034

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

30-Zn-67



34

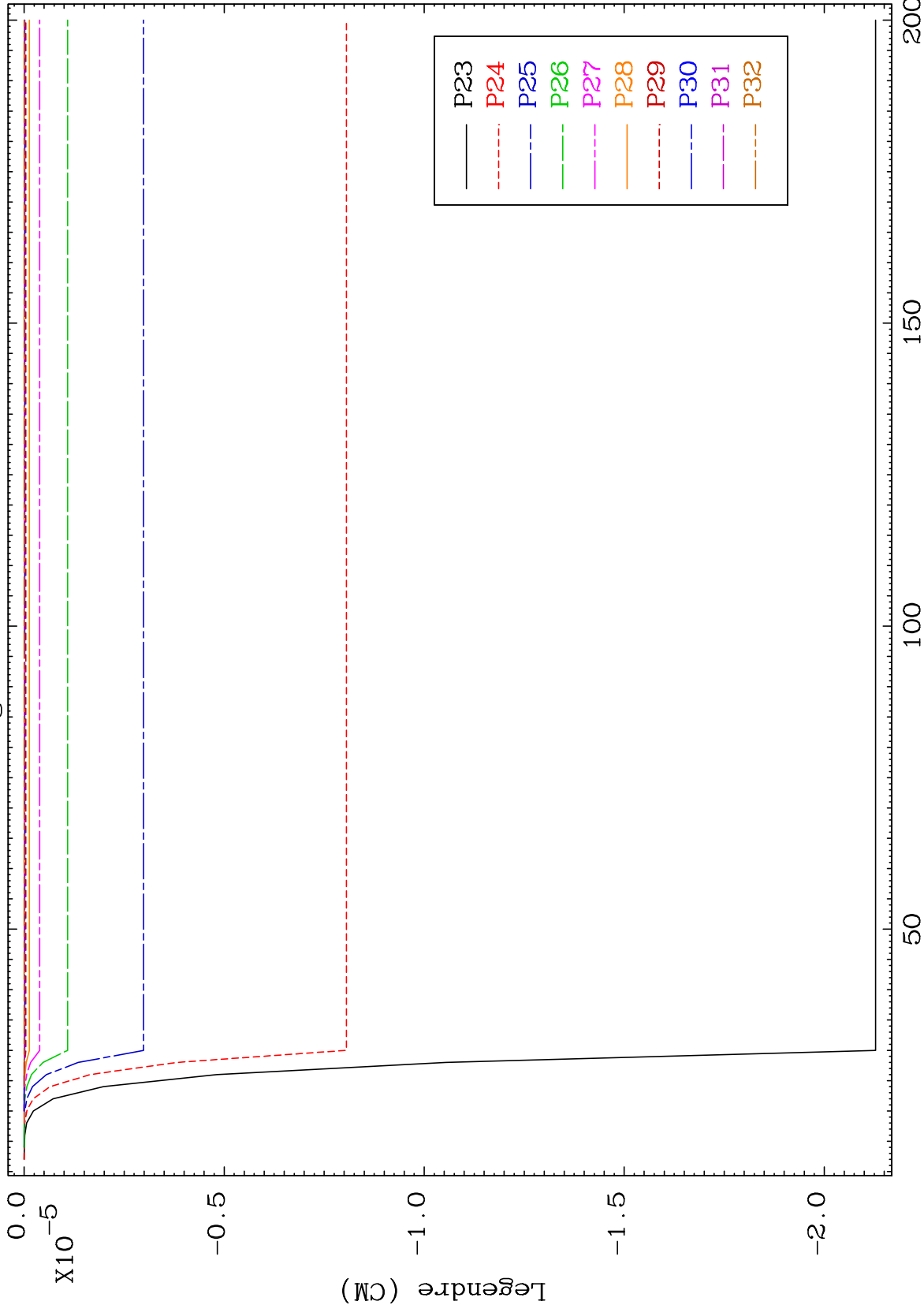
Incident Energy (MeV)

30-Zn-67

MAT 3034

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

30-Zn-67

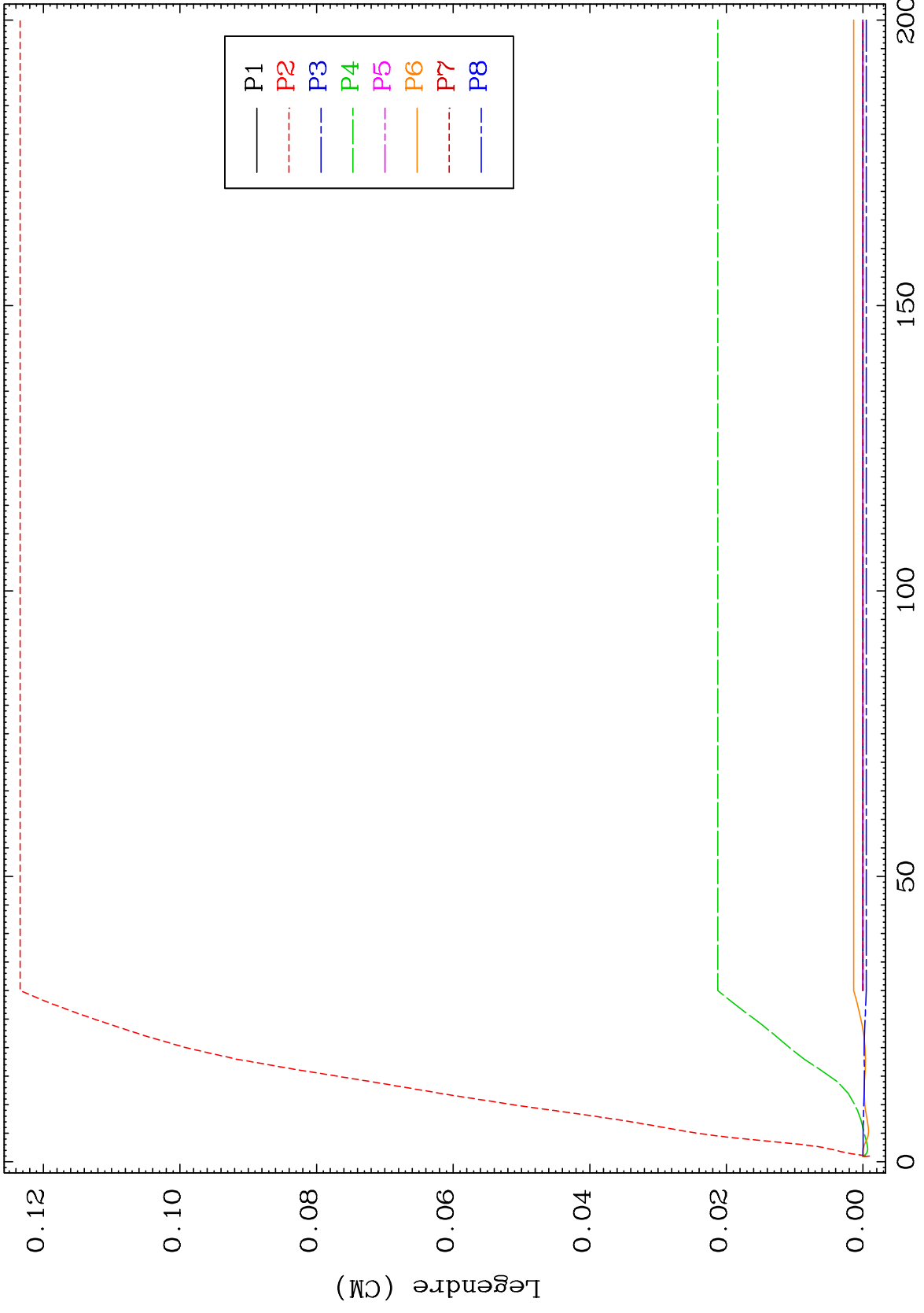


30-Zn-67

Incident Energy (MeV)

35

MAT 3034 MT= 56 (n,n') Level Legendre Coefficients 30-Zn-67

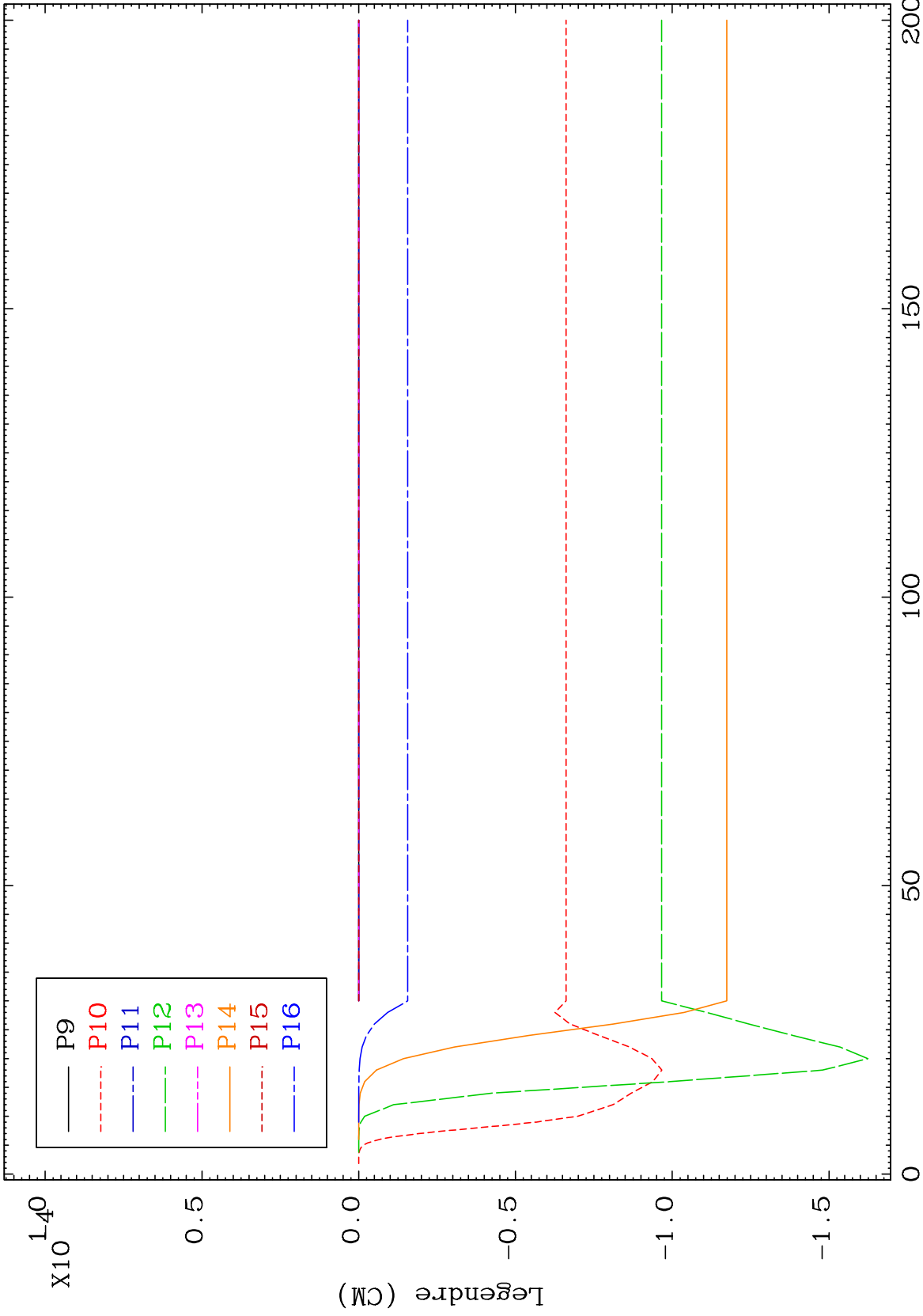


36 Incident Energy (MeV) 30-Zn-67

MAT 3034

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

30-Zn-67



37

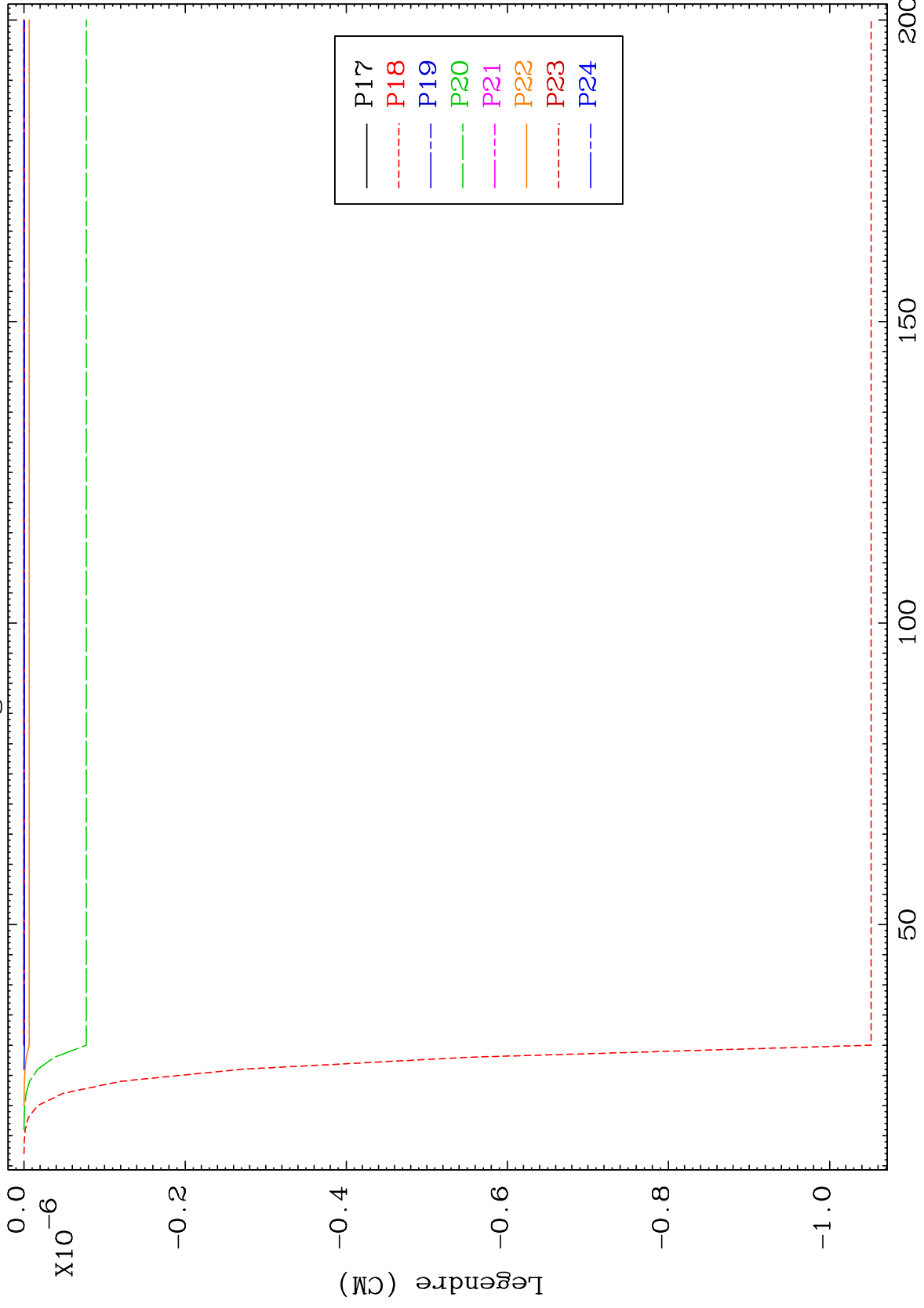
Incident Energy (MeV)

30-Zn-67

MAT 3034

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

30-Zn-67

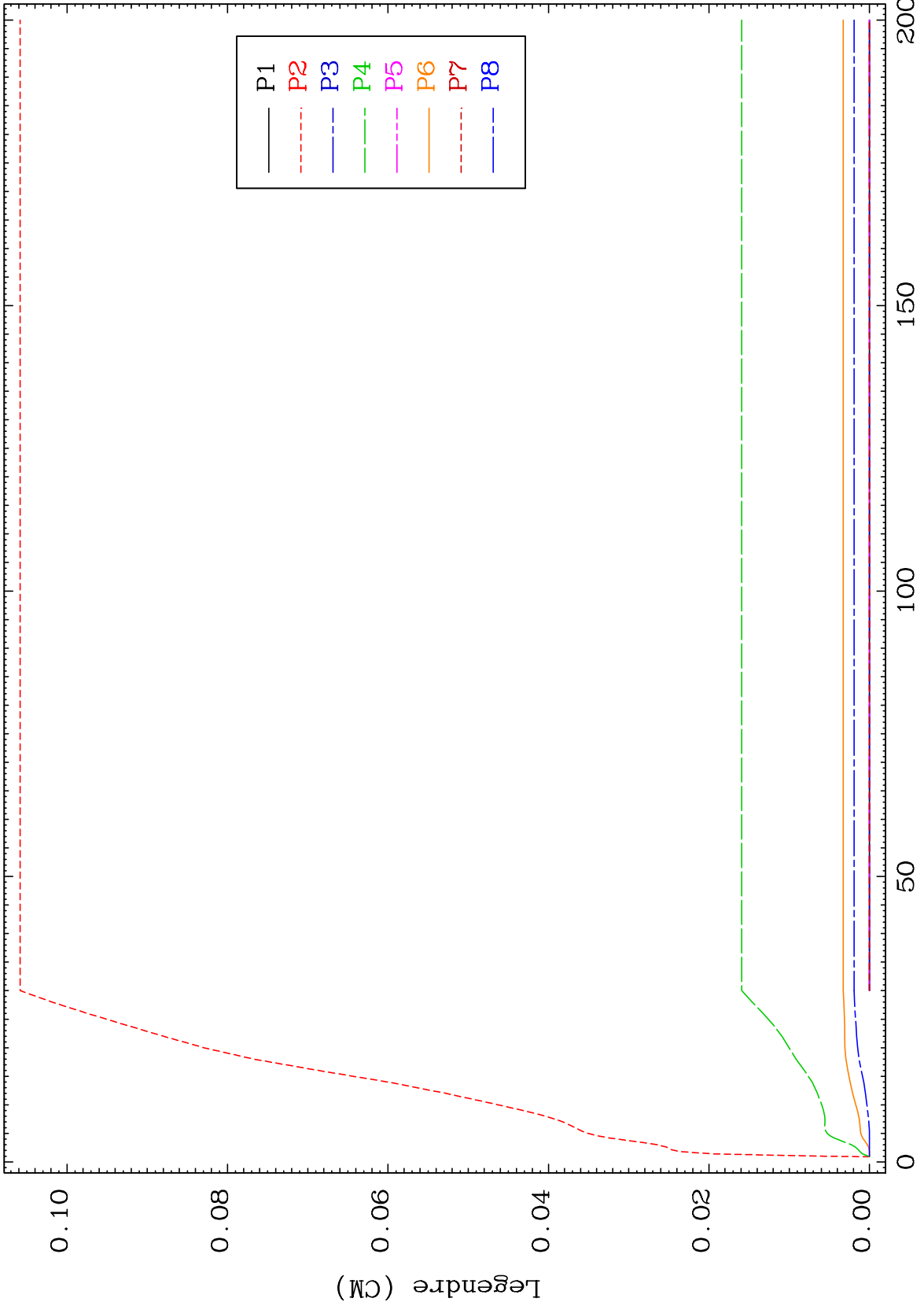


30-Zn-67

Incident Energy (MeV)

38

MAT 3034 MT= 57 (n,n') Level Legendre Coefficients 30-Zn-67



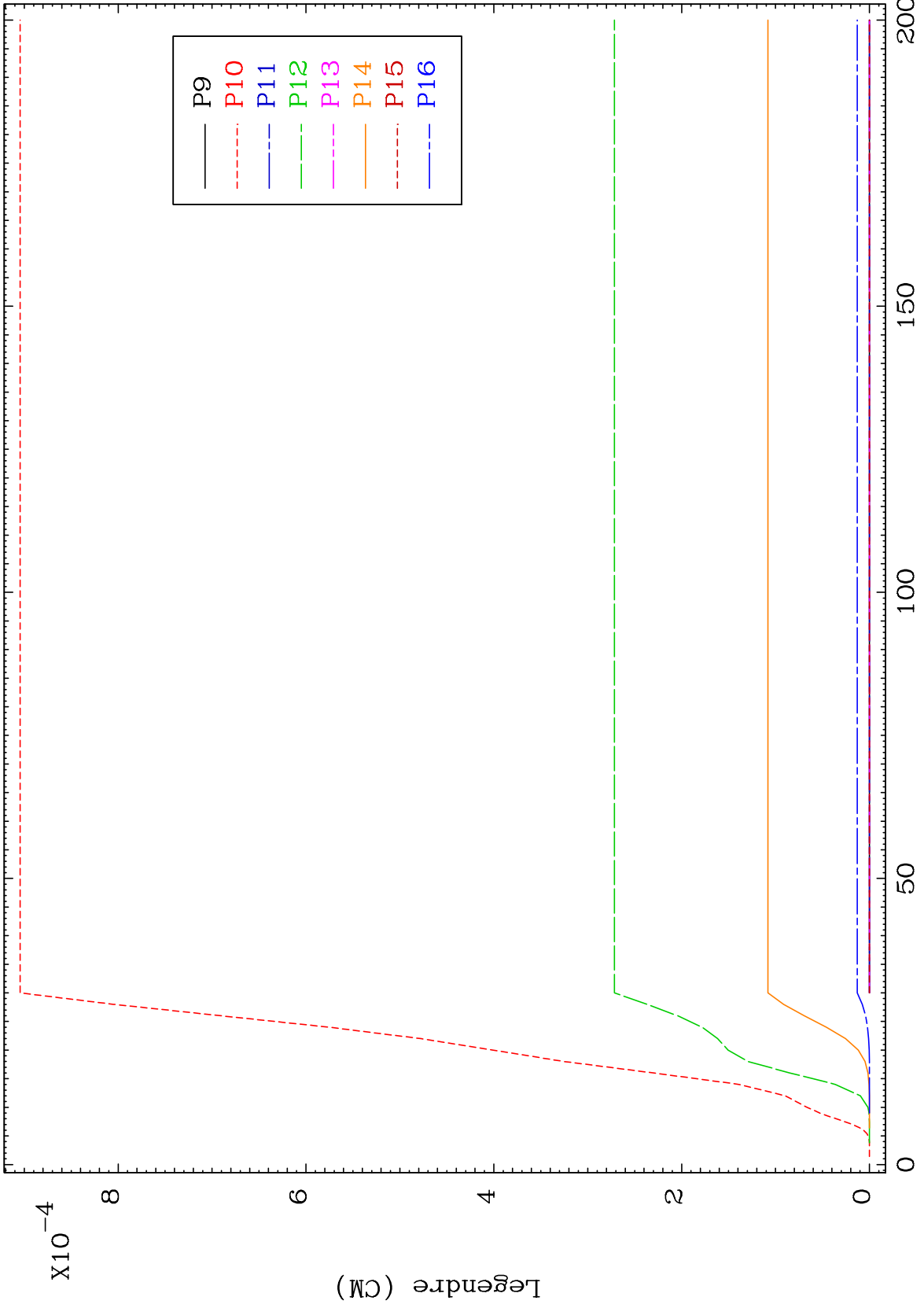
39 30-Zn-67



MAT 3034

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

30-Zn-67



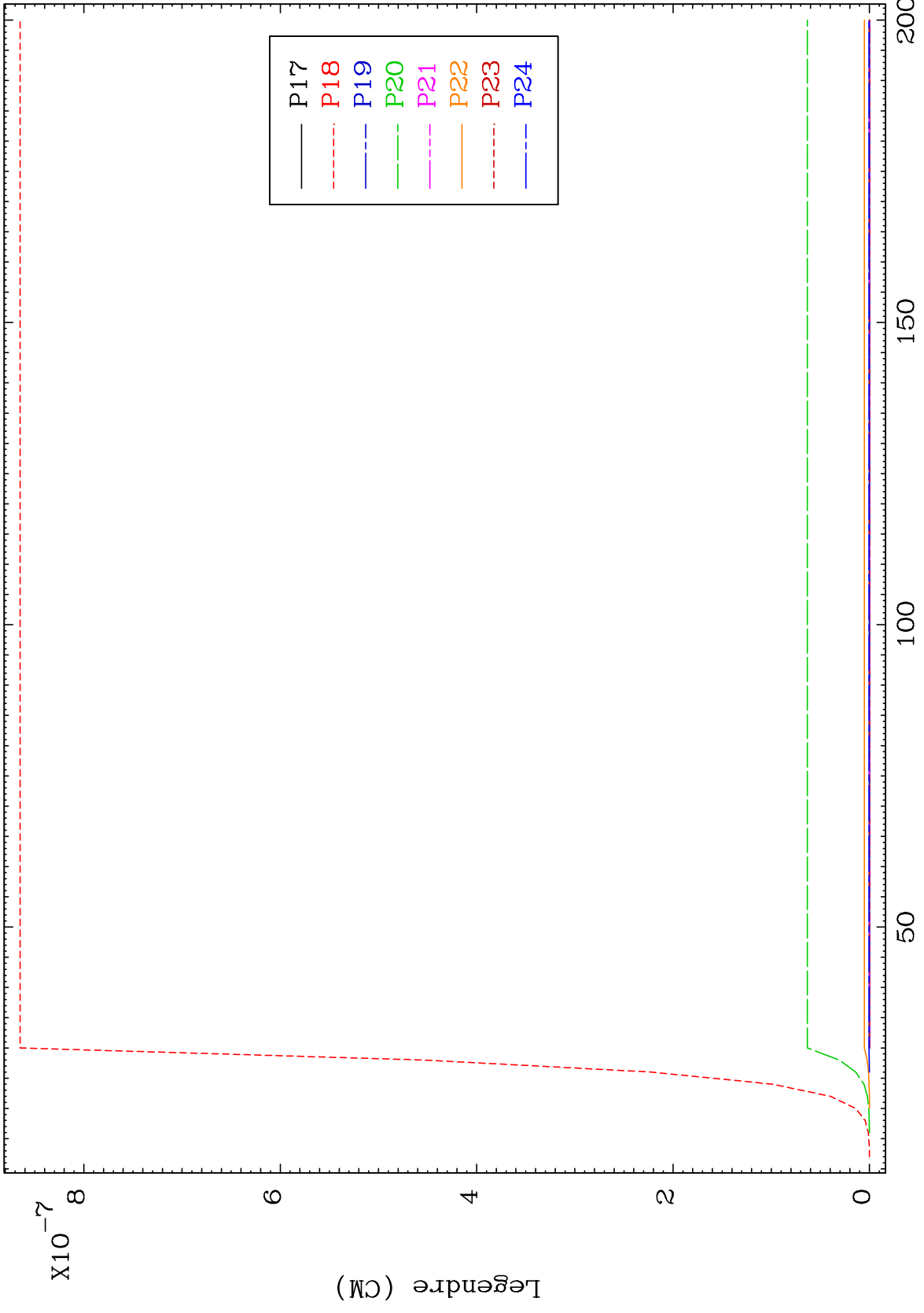
30-Zn-67

Incident Energy (MeV)

Legendre (CM)

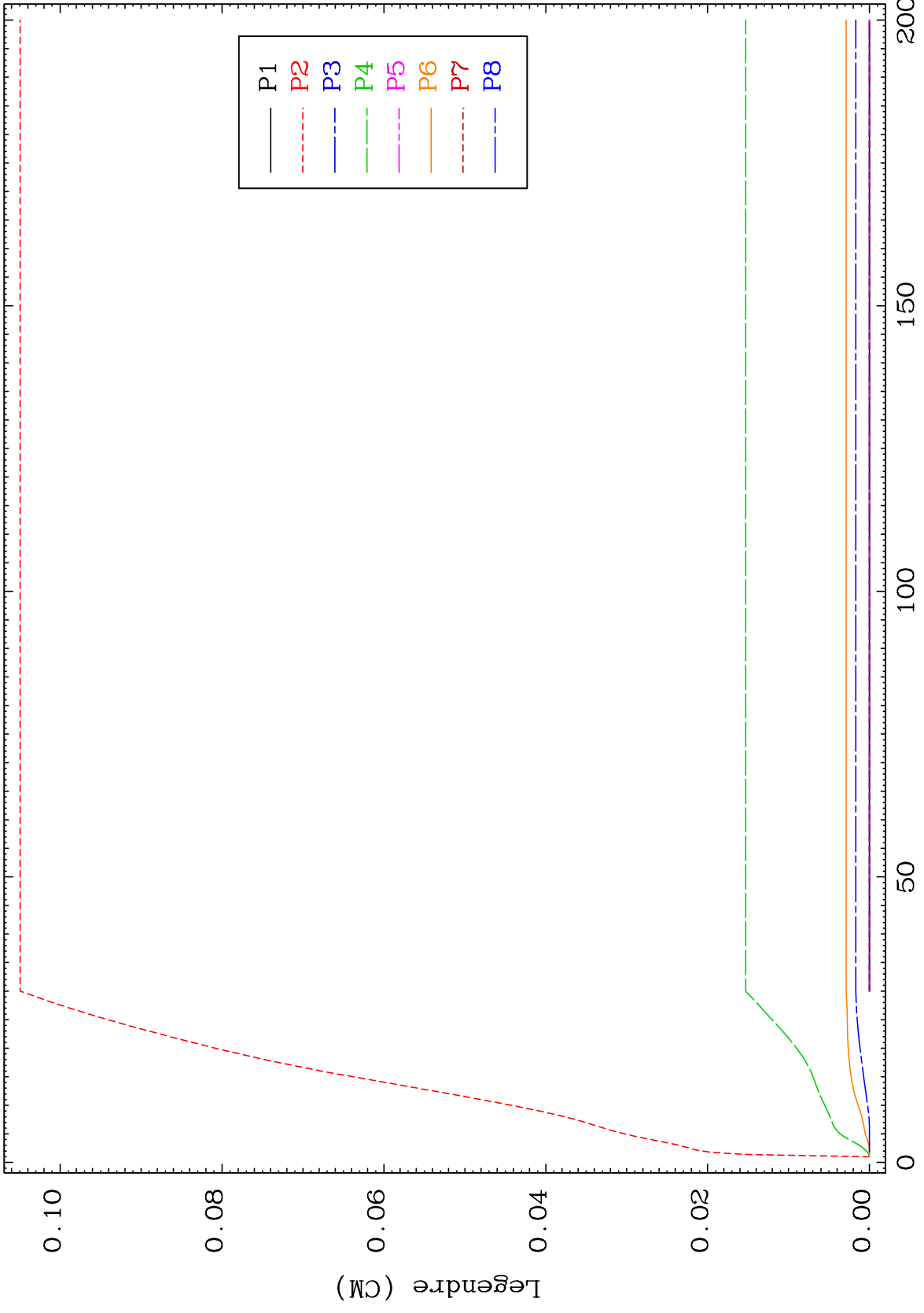
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MAT 3034 MT= 57 (n,n') Level Legendre Coefficients 30-Zn-67



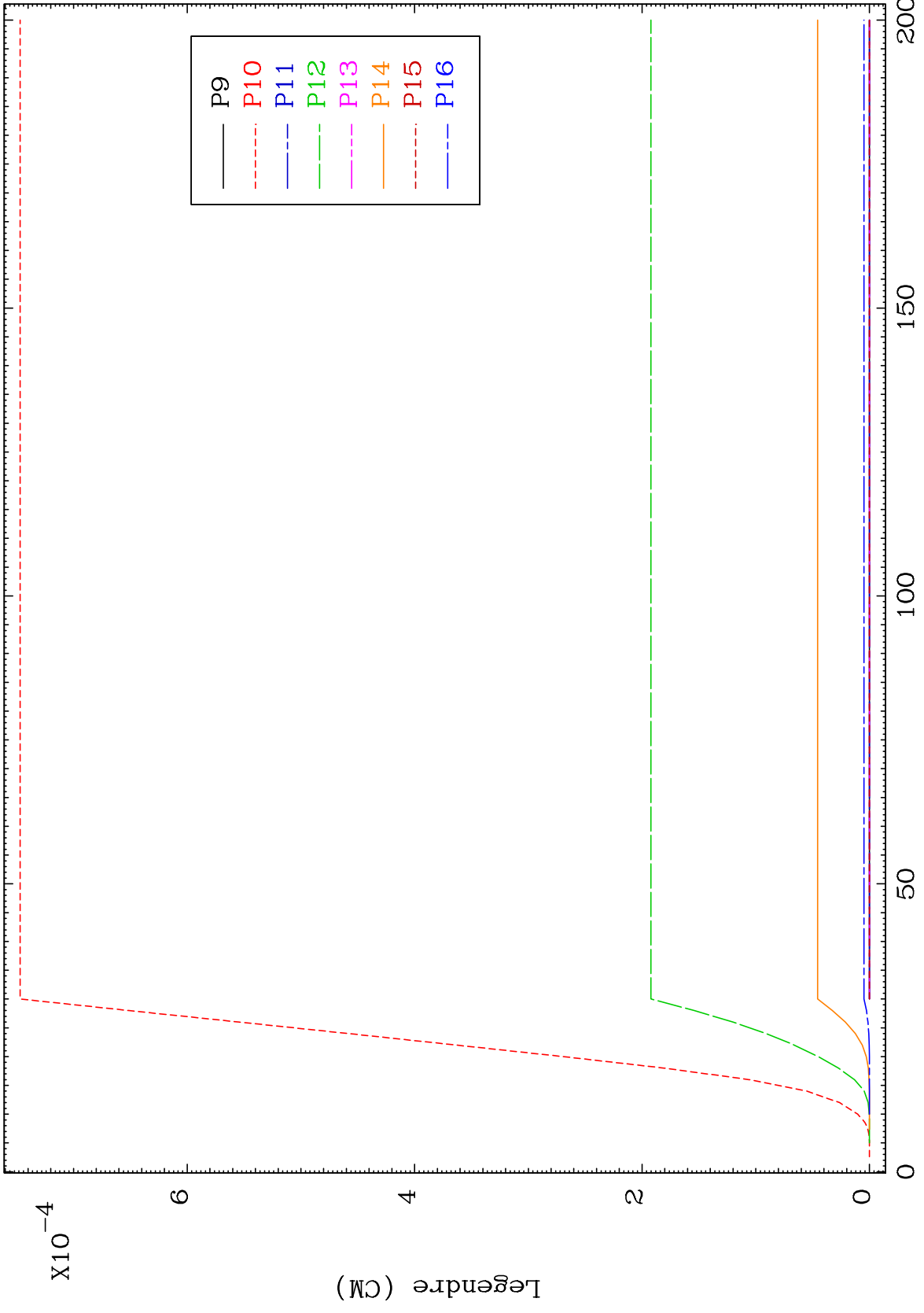
41 30-Zn-67

MAT 3034 MT= 58 (n,n') Level Legendre Coefficients 30-Zn-67



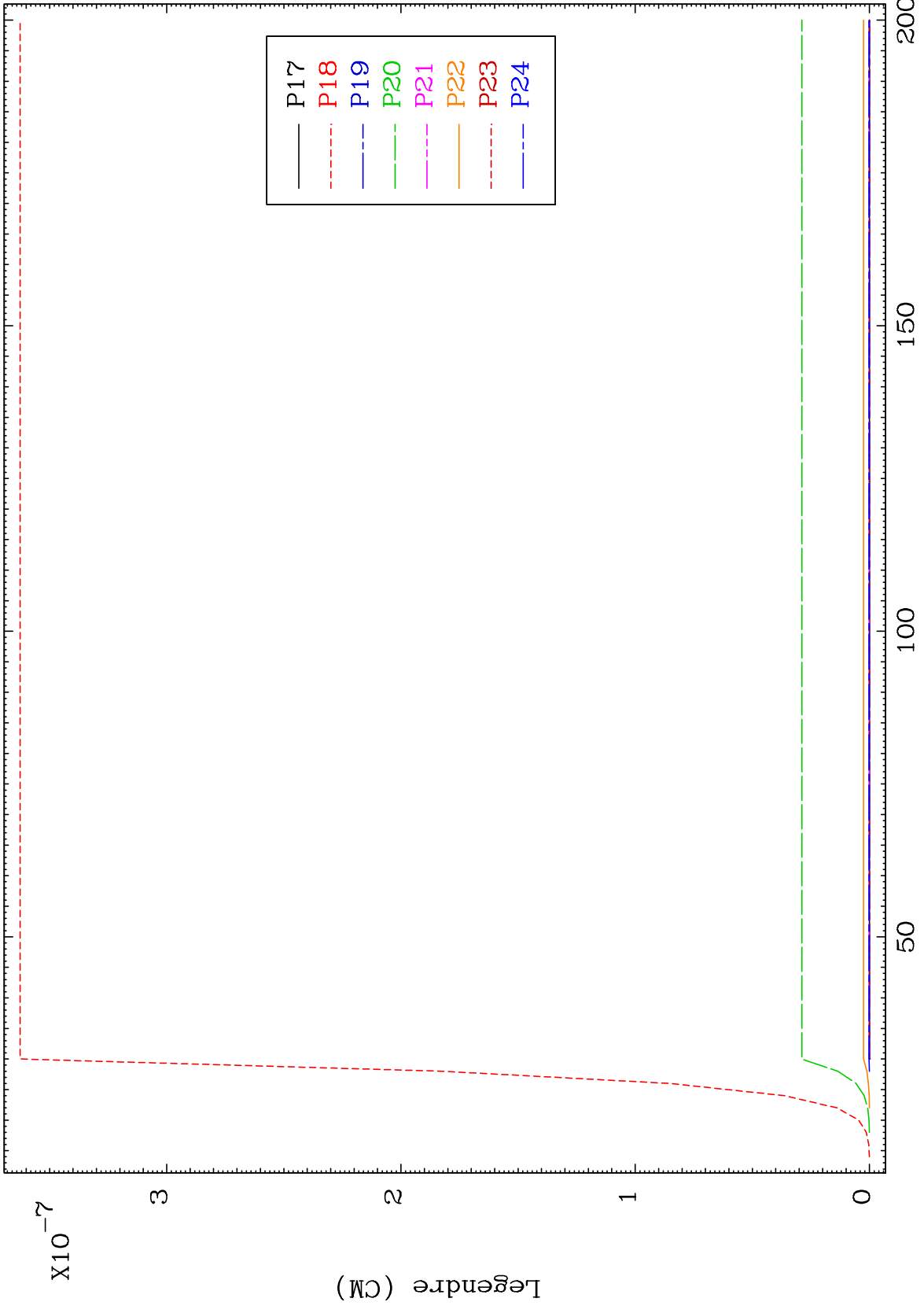
42 30-Zn-67

MAT 3034 MT= 58 (n,n') Level Legendre Coefficients 30-Zn-67



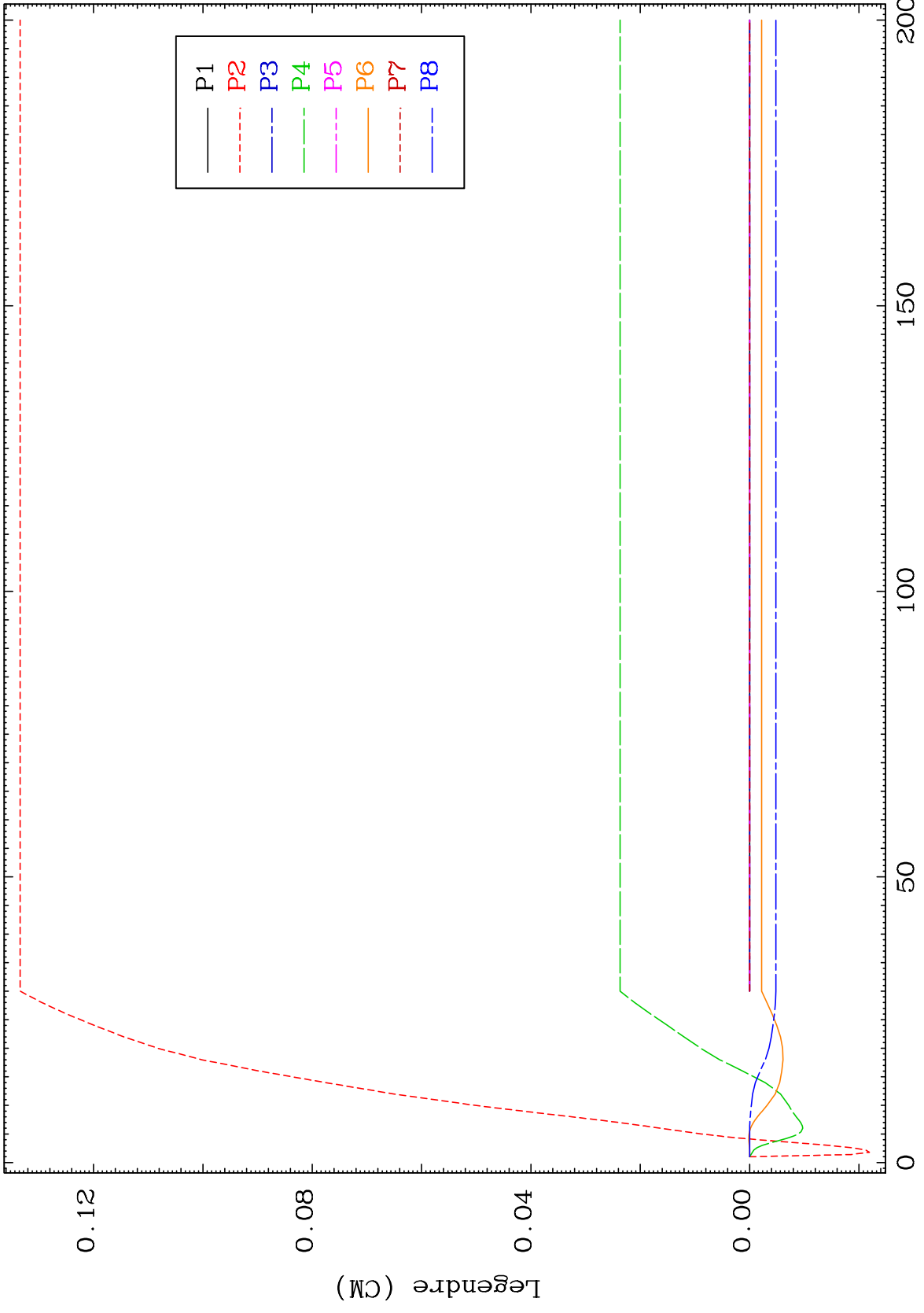
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MAT 3034 MT= 58 (n,n') Level Legendre Coefficients 30-Zn-67



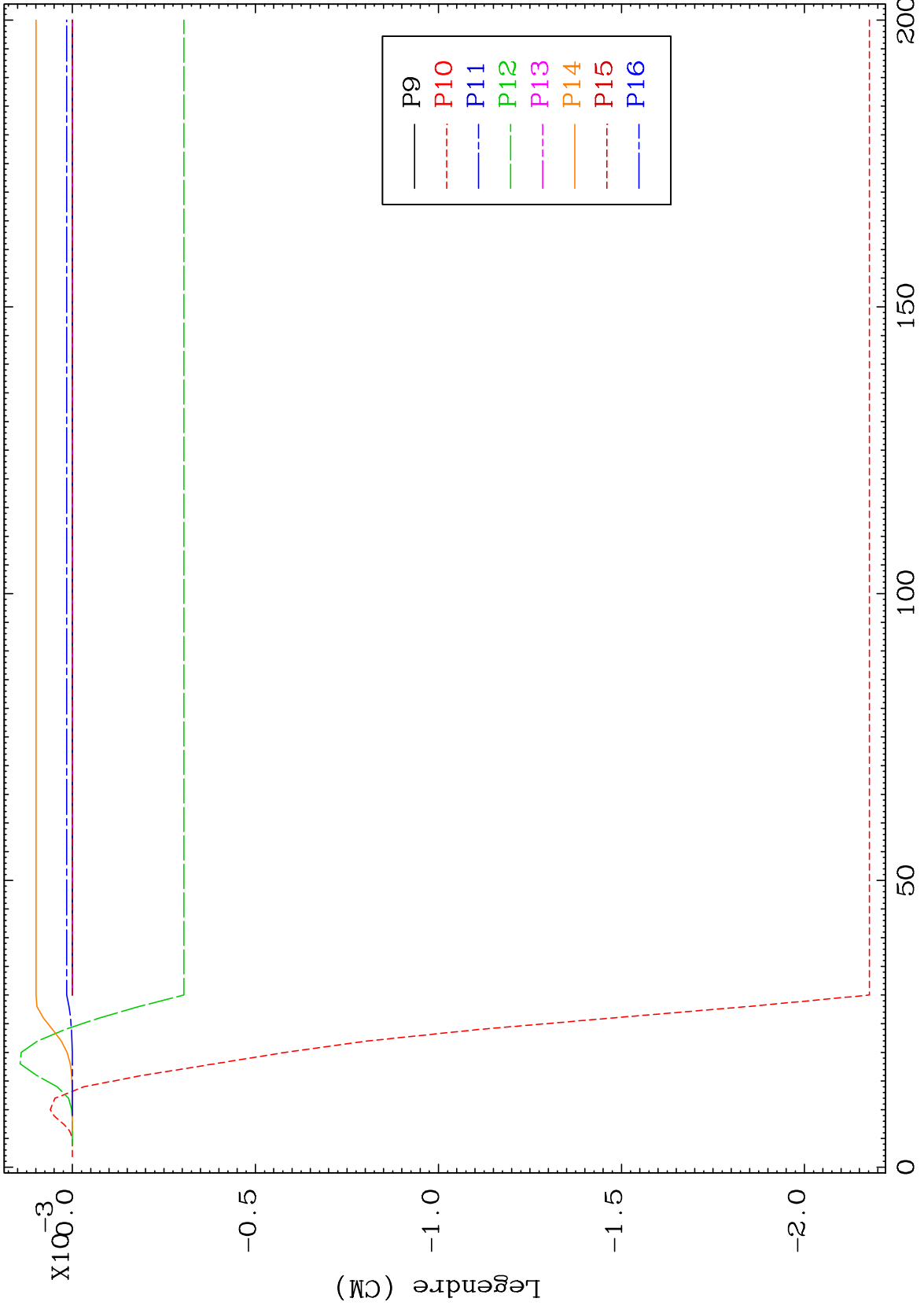
44 50 100 150 200 30-Zn-67

MAT 3034 MT= 59 (n,n') Level Legendre Coefficients 30-Zn-67

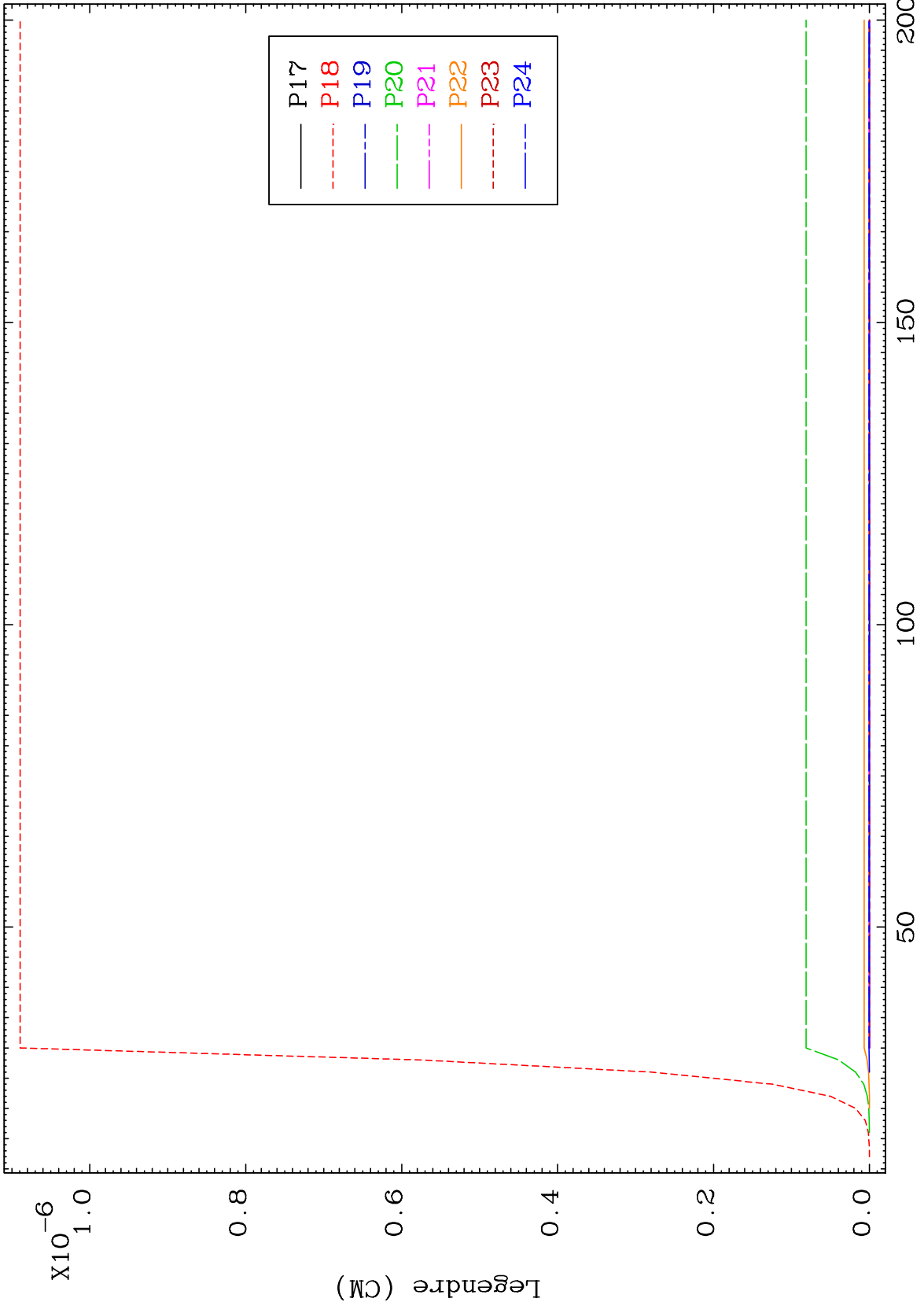


45 Incident Energy (MeV) 30-Zn-67

MAT 3034 MT= 59 (n,n') Level Legendre Coefficients 30-Zn-67



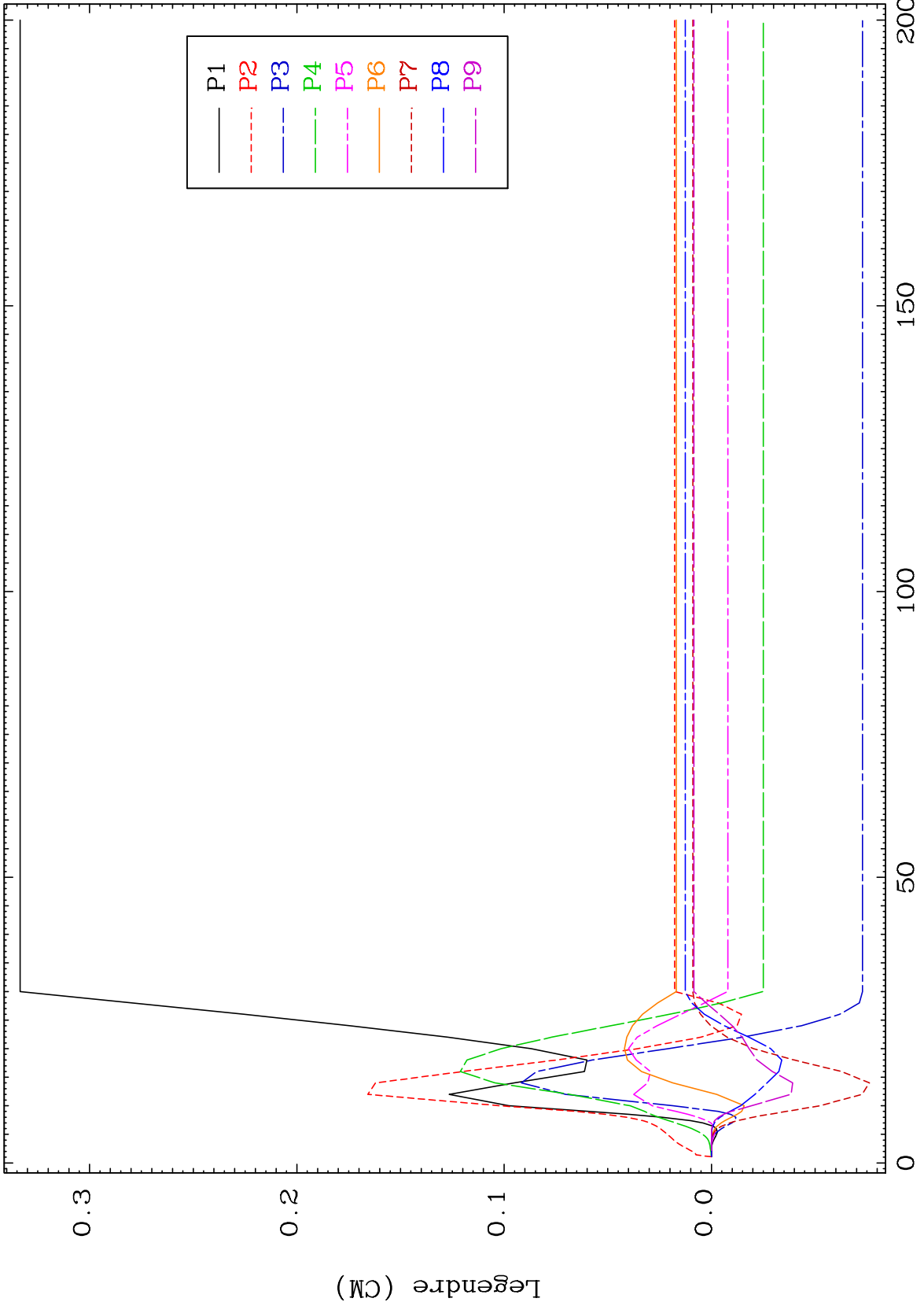
MAT 3034 MT= 59 (n,n') Level Legendre Coefficients 30-Zn-67



47 50 100 150 200 30-Zn-67



MAT 3034 MT= 60 (n,n') Level Legendre Coefficients 30-Zn-67

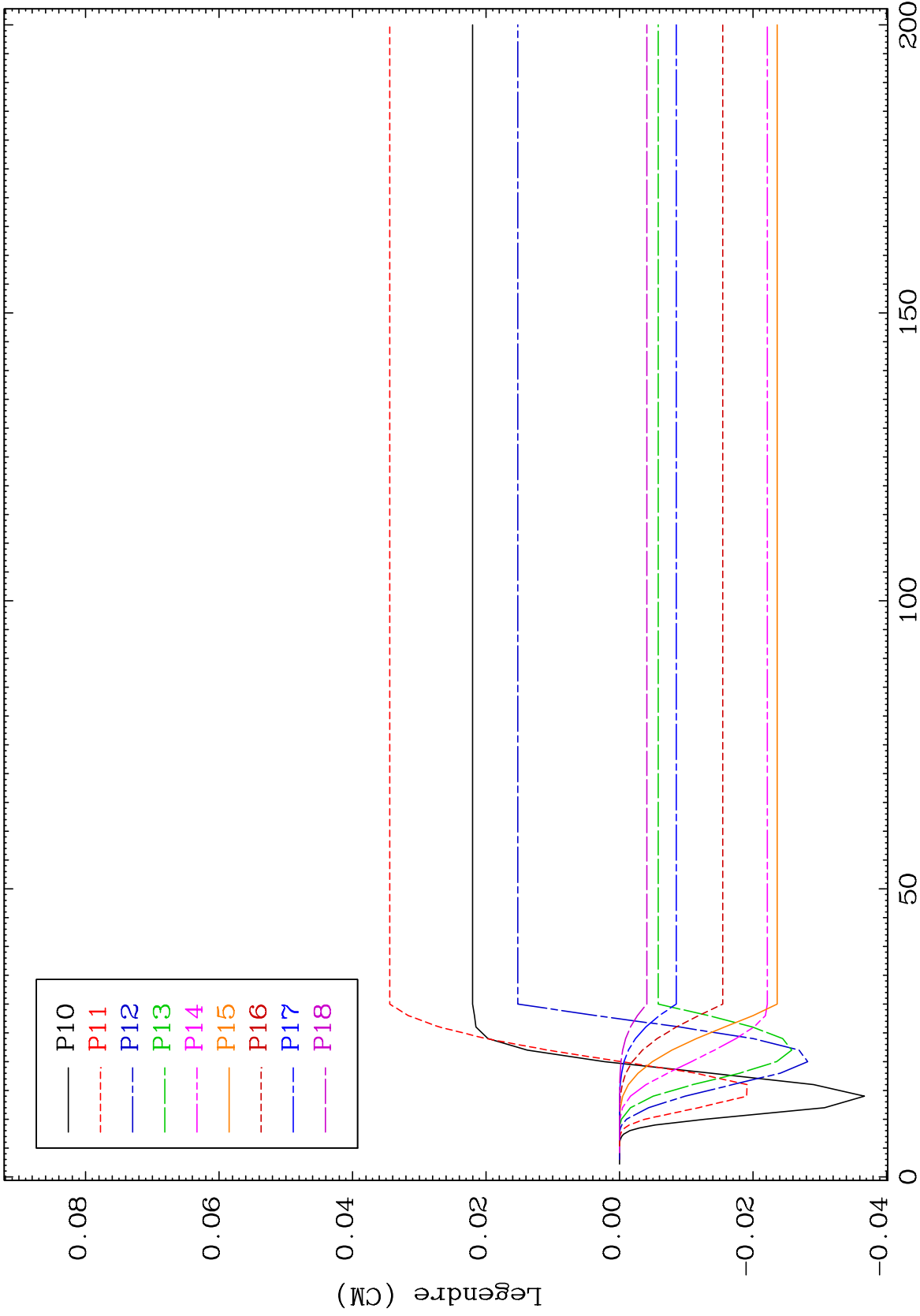


48 30-Zn-67

MAT 3034

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

30-Zn-67



49

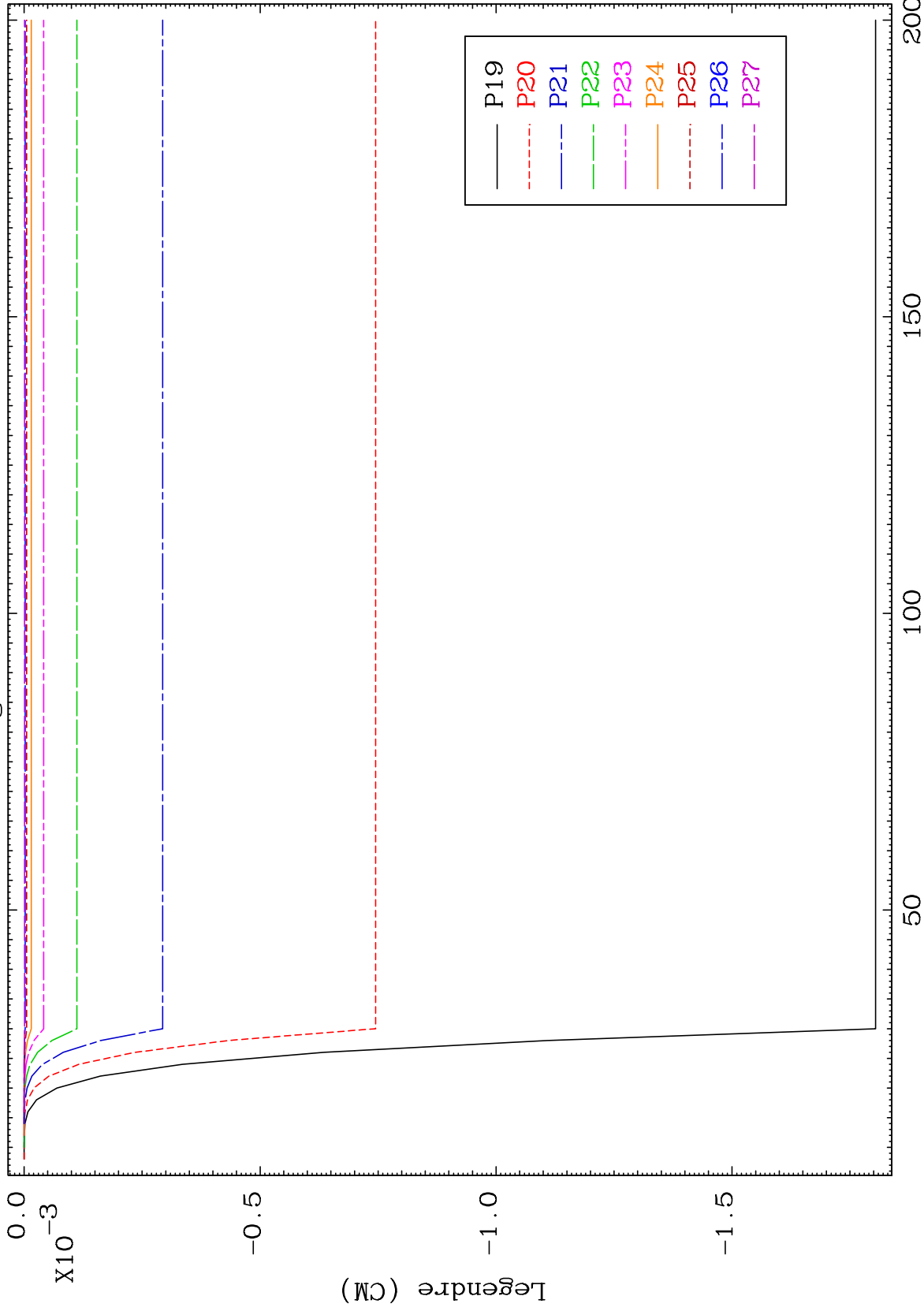
Incident Energy (MeV)

30-Zn-67

MAT 3034

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

30-Zn-67

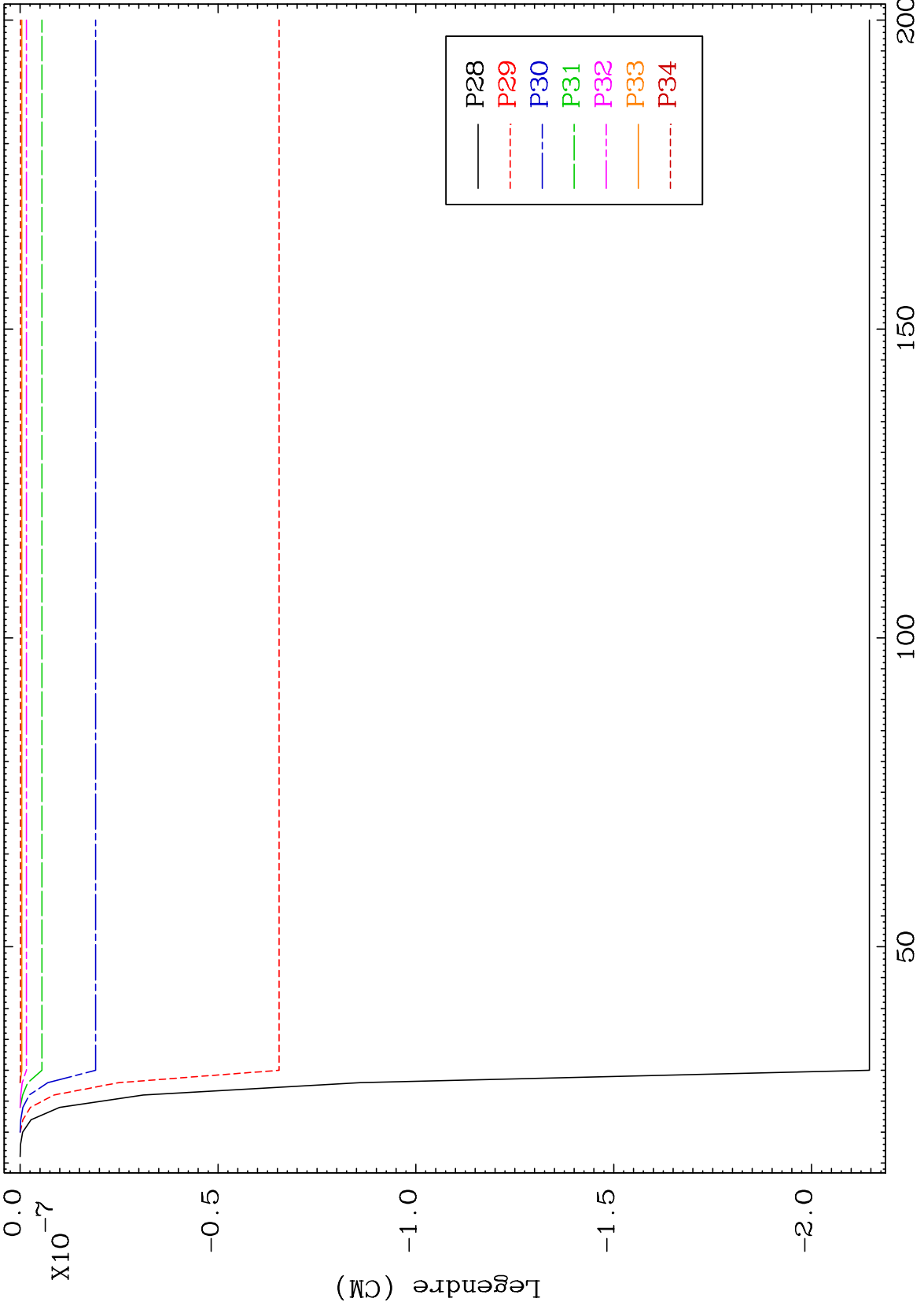


30-Zn-67

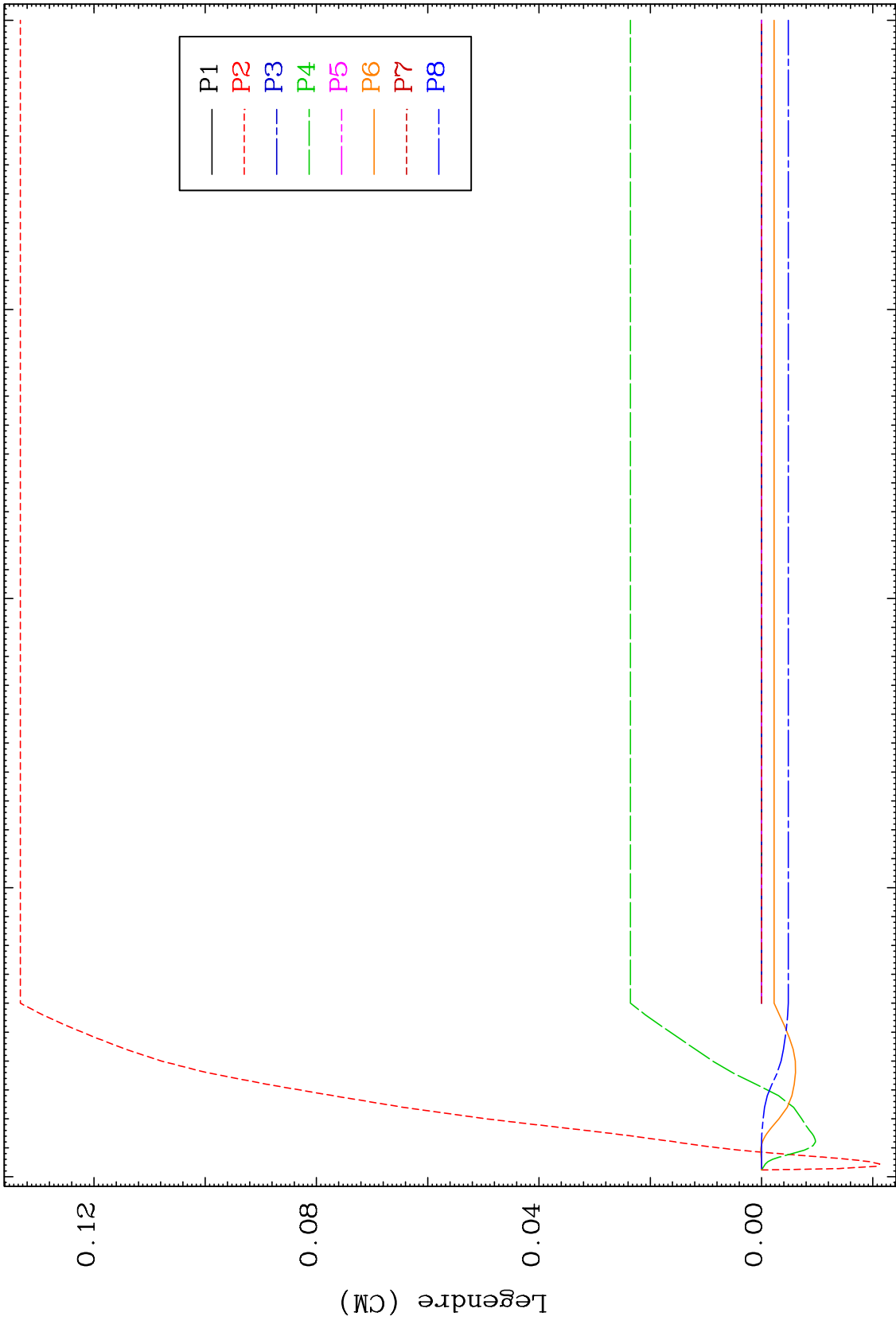
Incident Energy (MeV)

50

MAT 3034 MT= 60 (n,n') Level Legendre Coefficients 30-Zn-67

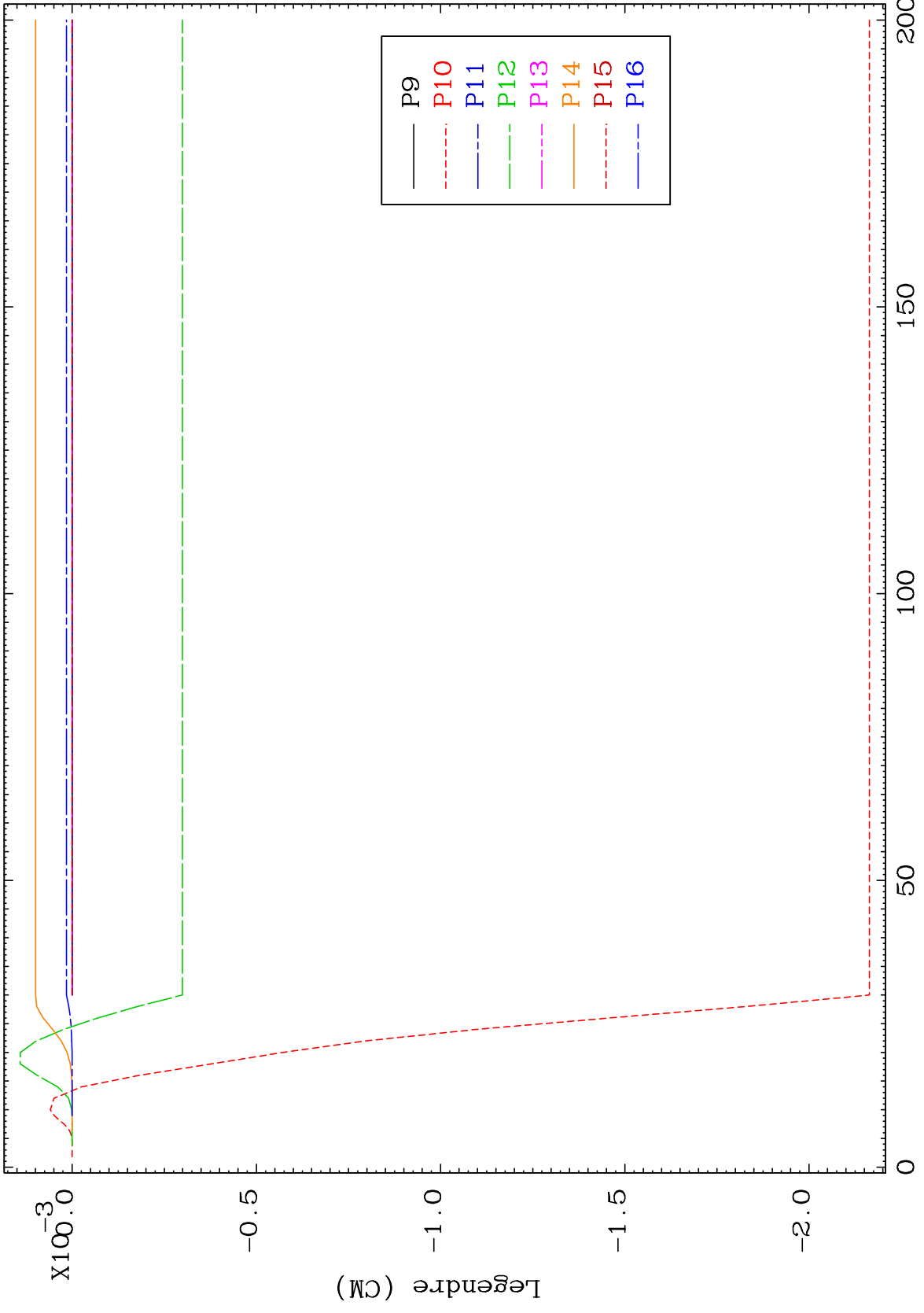


MAT 3034 MT= 61 (n,n') Level Legendre Coefficients 30-Zn-67

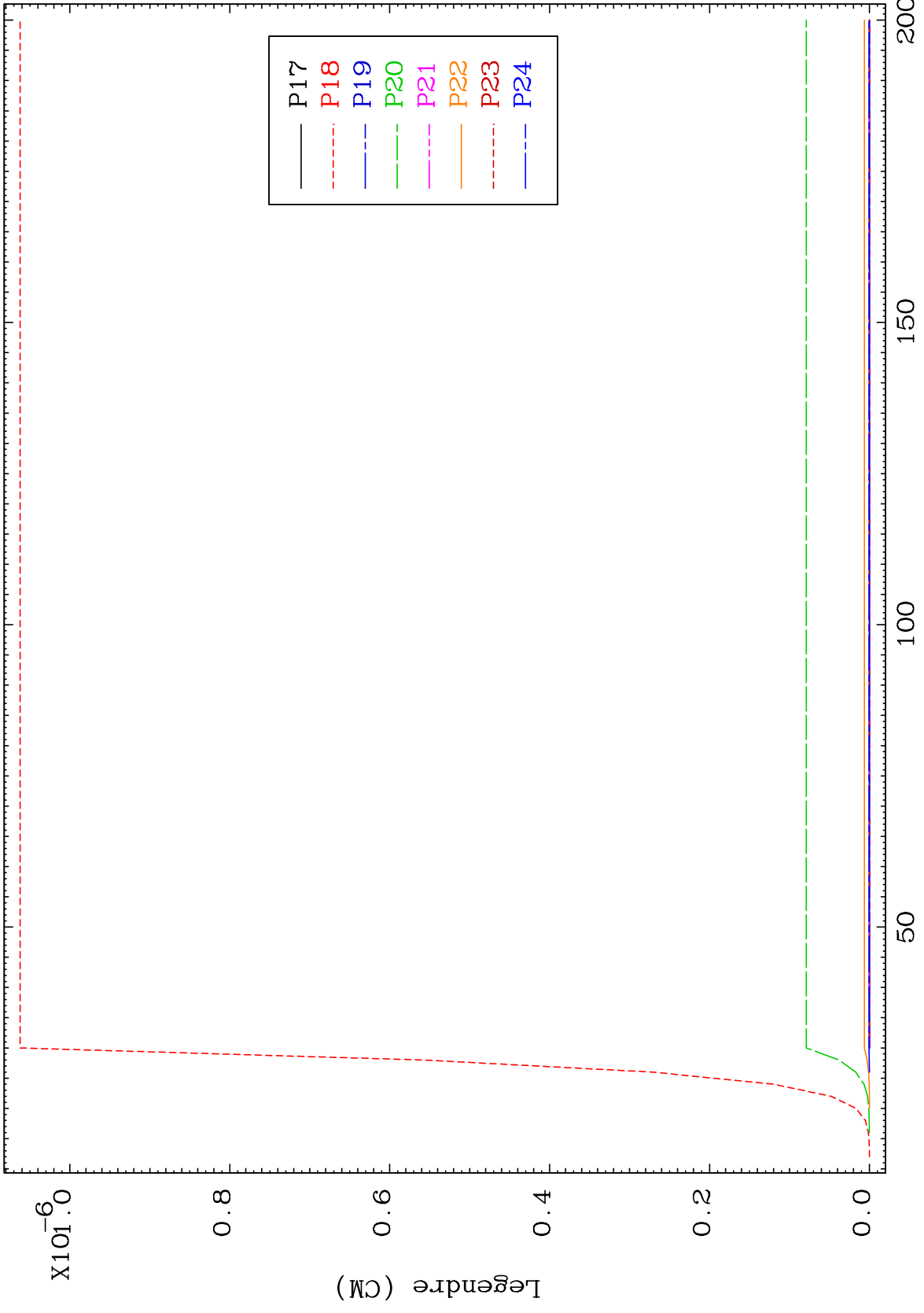


52 Incident Energy (MeV) 30-Zn-67

MAT 3034 MT= 61 (n,n') Level Legendre Coefficients 30-Zn-67



MAT 3034 MT= 61 (n,n') Level Legendre Coefficients 30-Zn-67

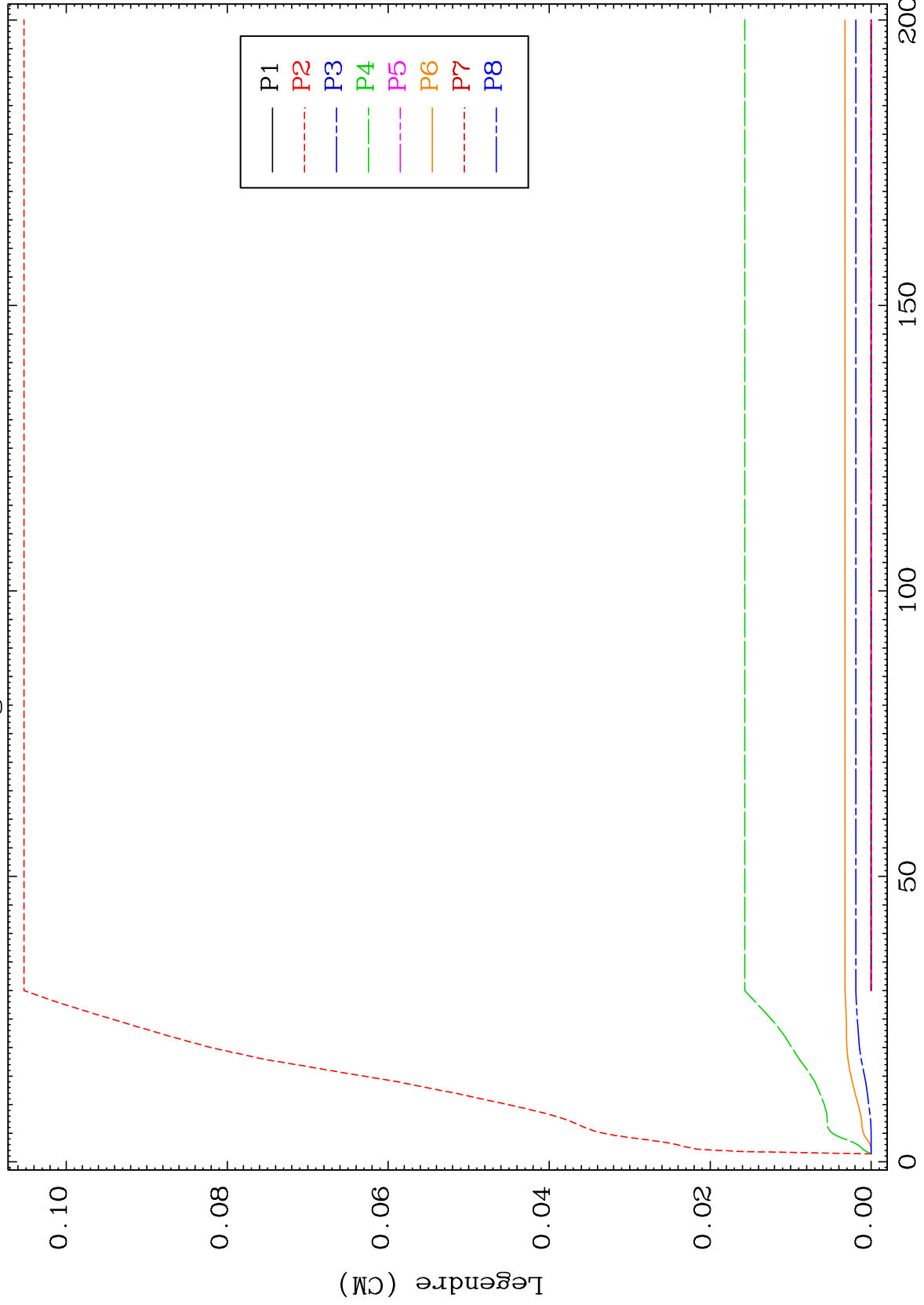


54 Incident Energy (MeV) 30-Zn-67

MAT 3034

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

30-Zn-67



55

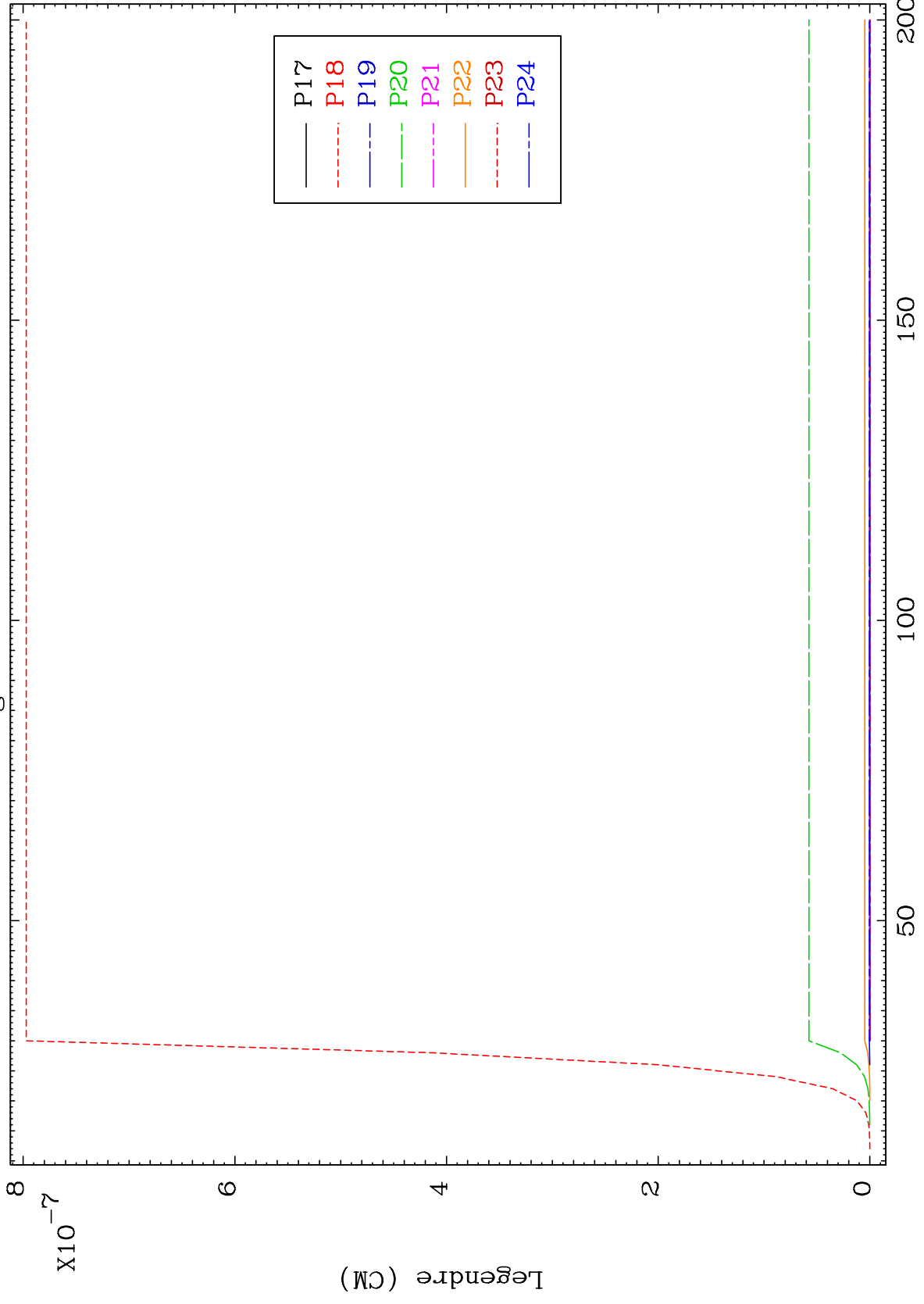
Incident Energy (MeV)

30-Zn-67





MAT 3034 MT= 62 (n,n') Level Legendre Coefficients 30-Zn-67

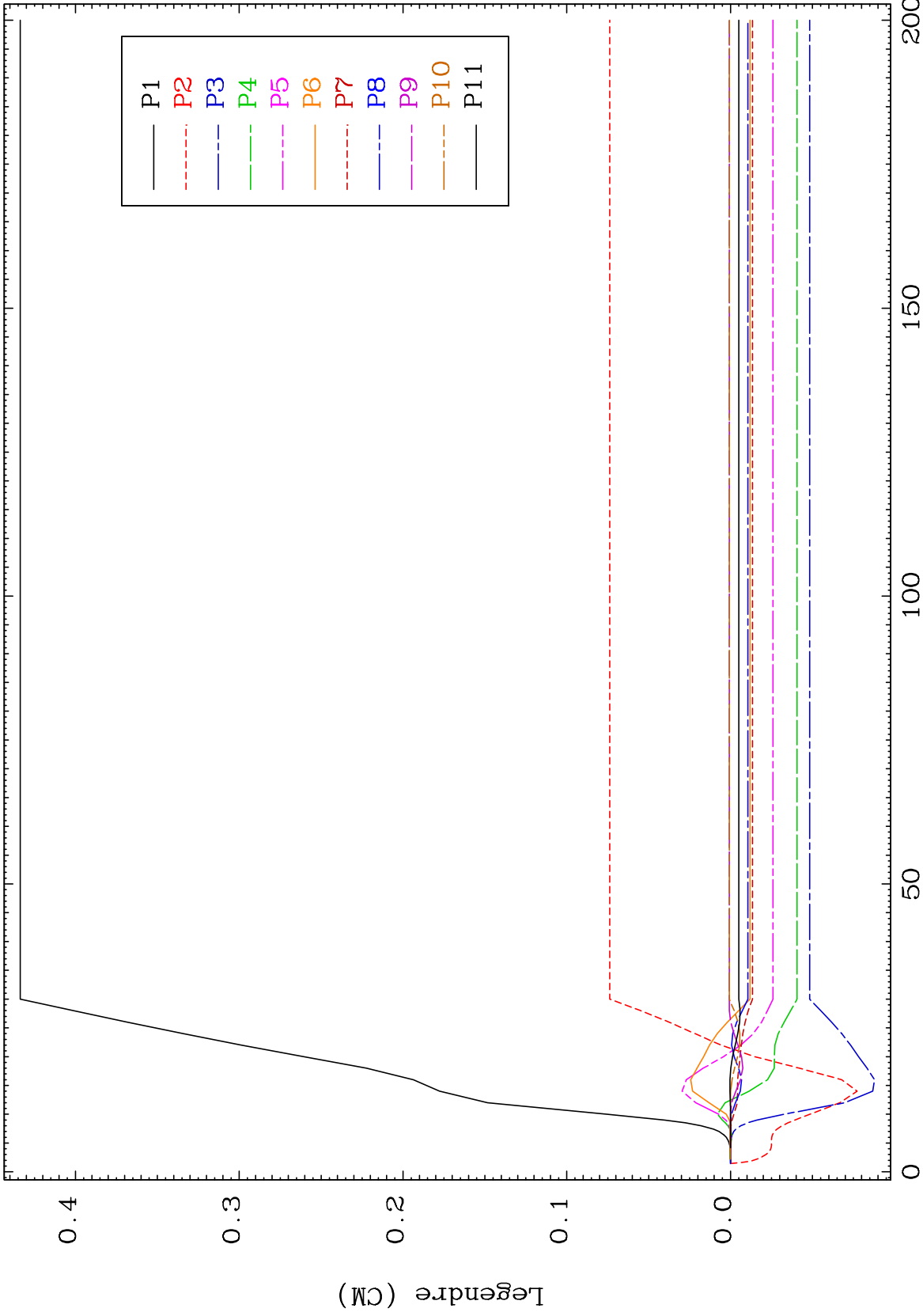


57 Incident Energy (MeV) 30-Zn-67

MAT 3034

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

30-Zn-67



58

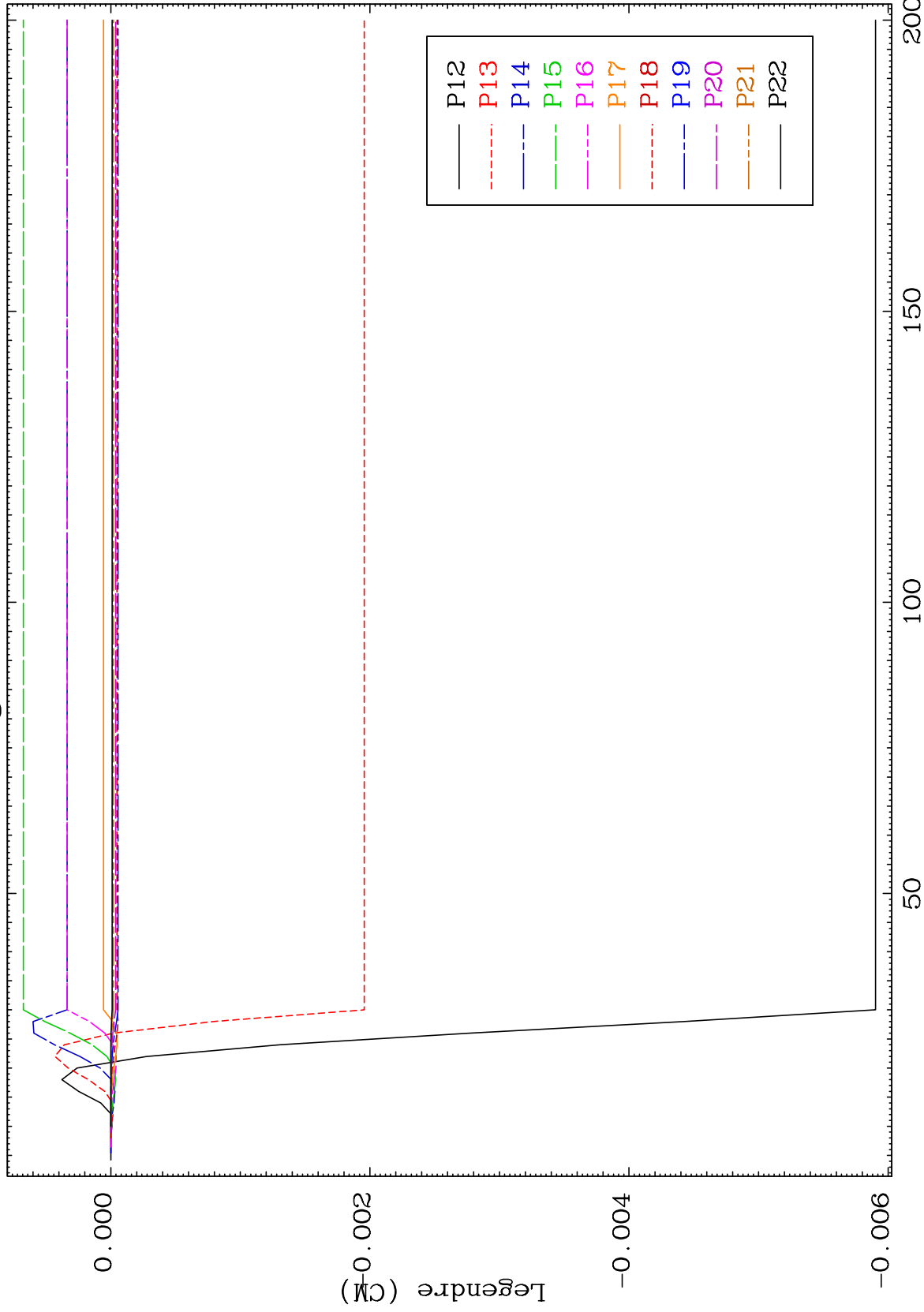
Incident Energy (MeV)

30-Zn-67

MAT 3034

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

30-Zn-67



59

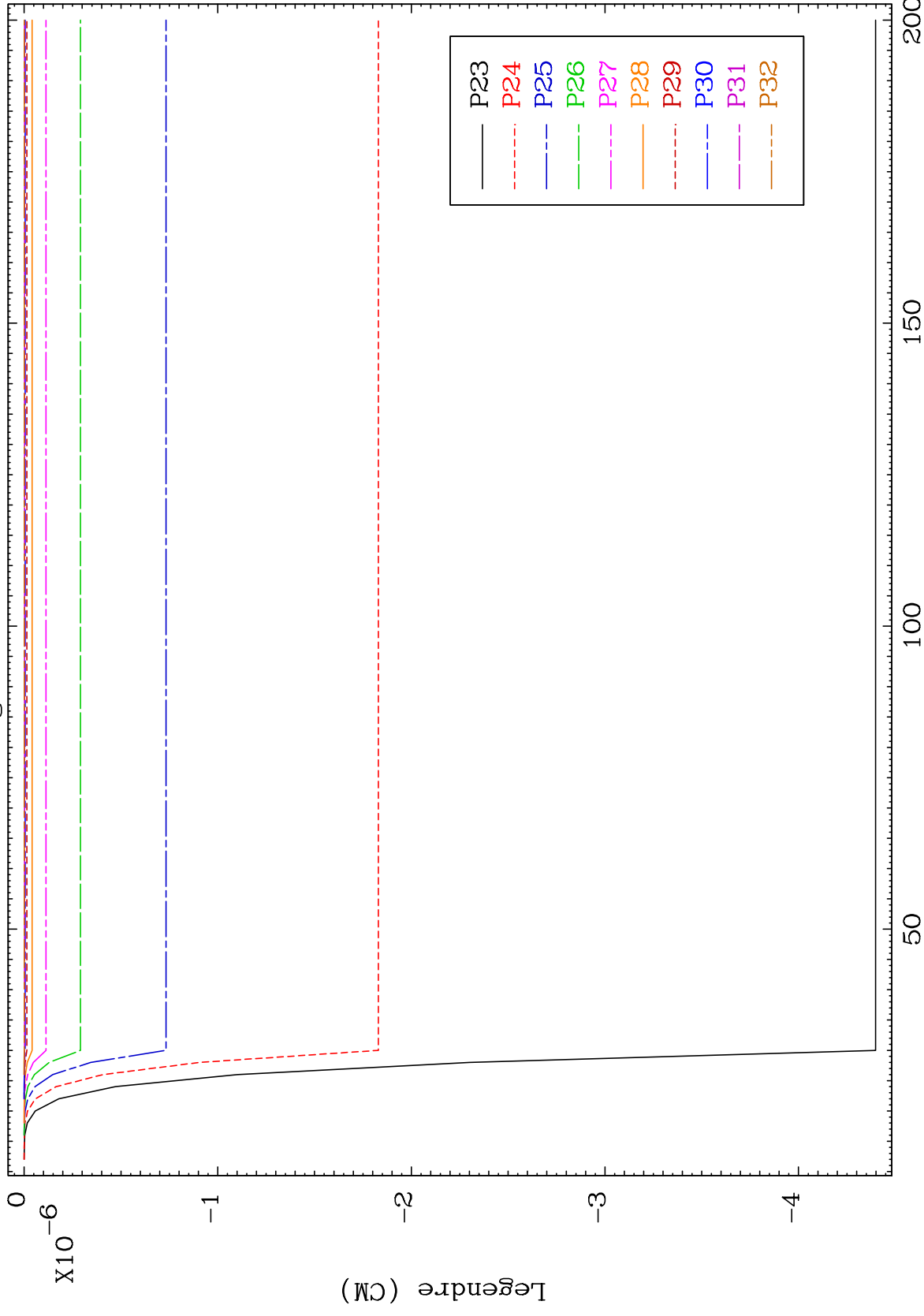
Incident Energy (MeV)

30-Zn-67

MAT 3034

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

30-Zn-67



60

Incident Energy (MeV)

50

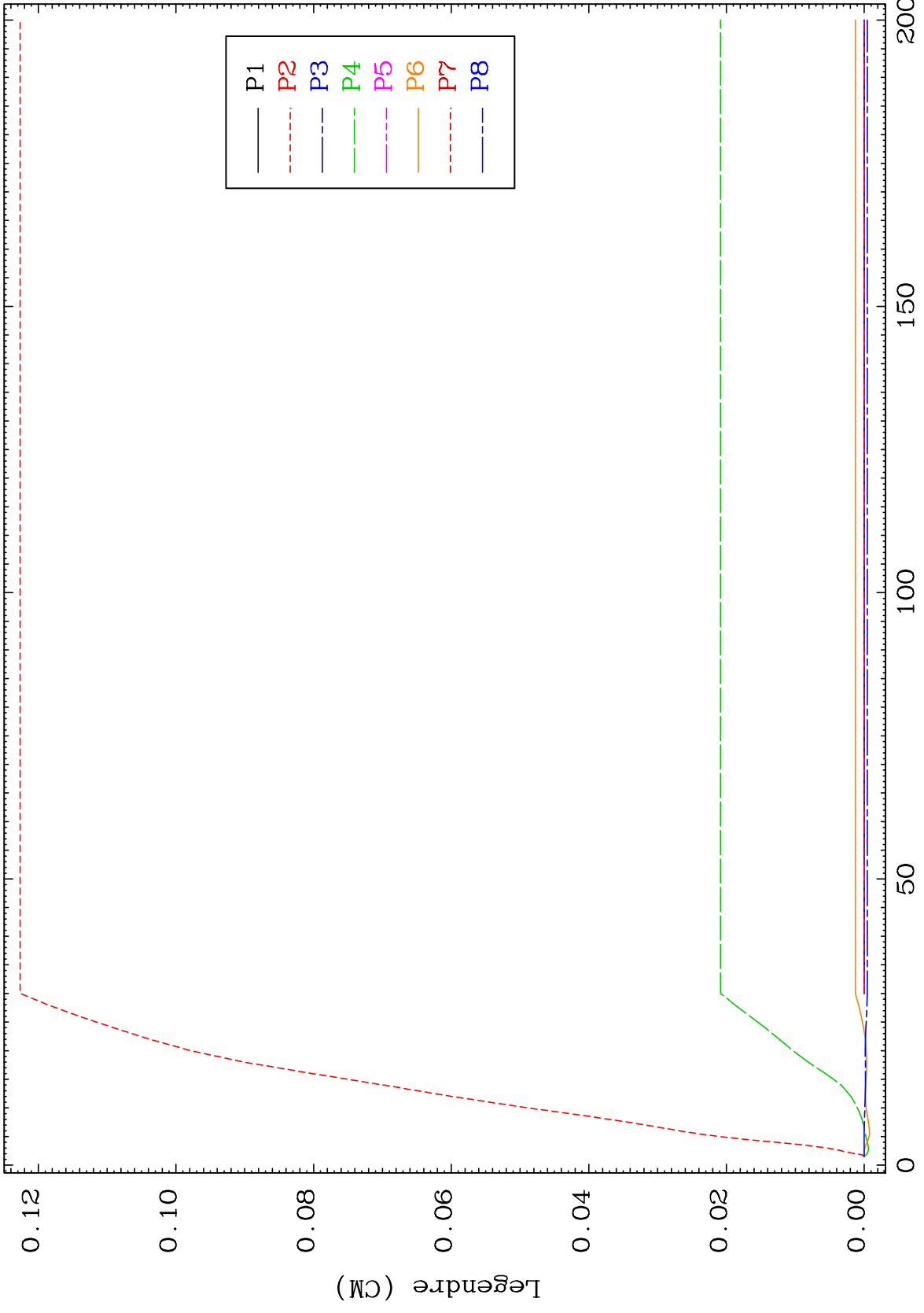
100

150

200

30-Zn-67

MAT 3034 MT= 64 (n,n') Level Legendre Coefficients 30-Zn-67

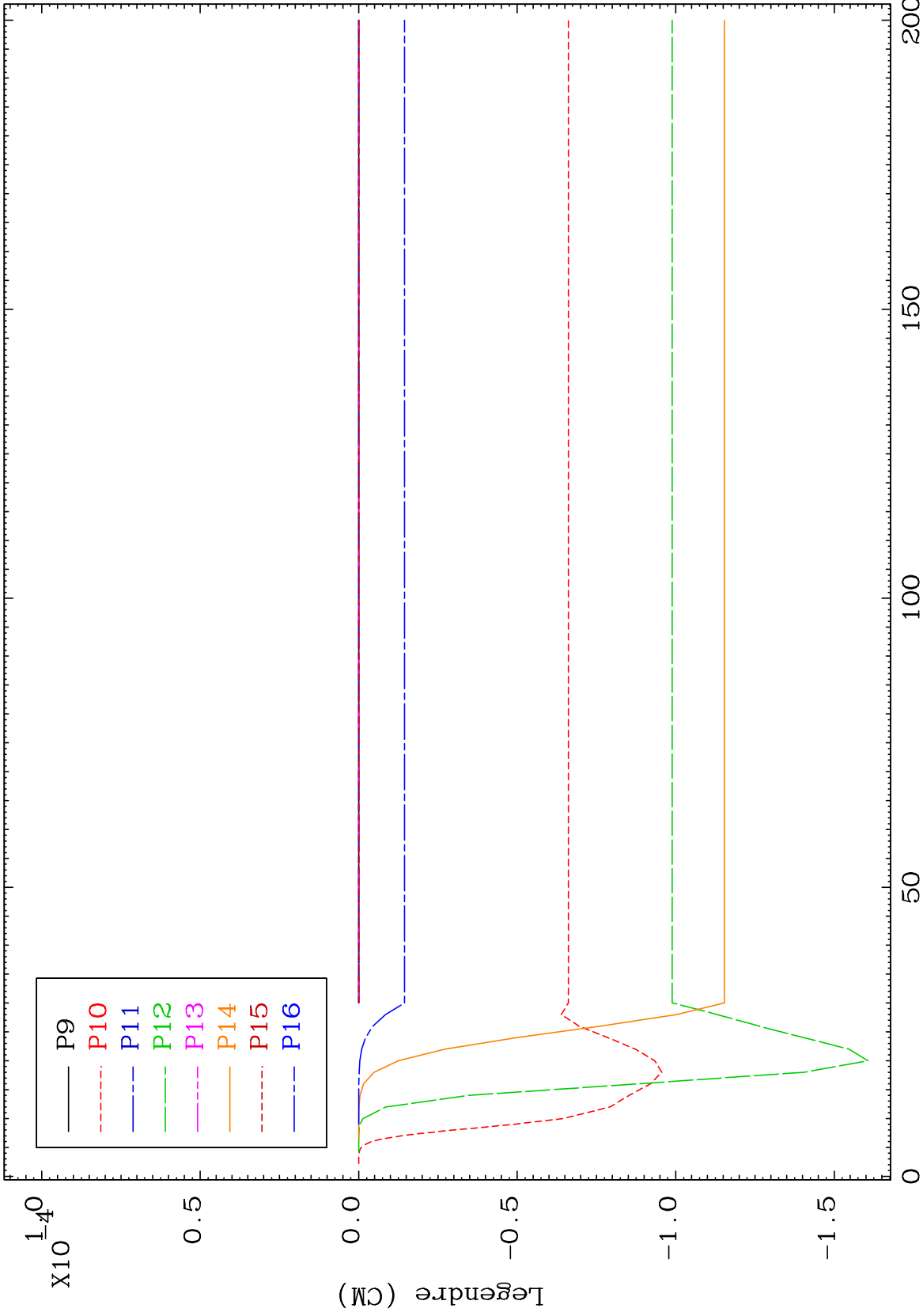


61 30-Zn-67

MAT 3034

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

30-Zn-67



62

Incident Energy (MeV)

30-Zn-67

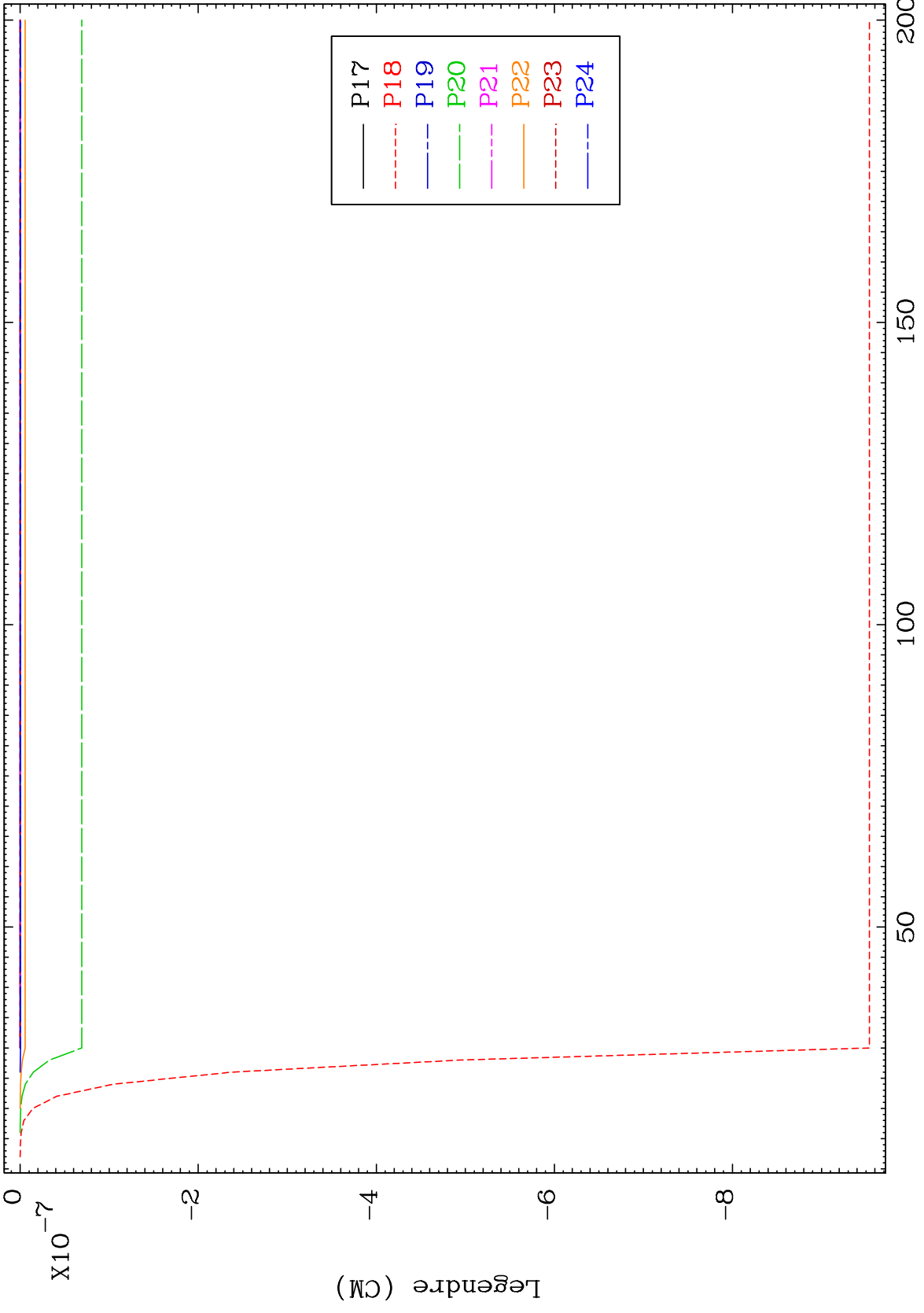
MAT 3034

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

30-Zn-67

Incident Energy (MeV)

63

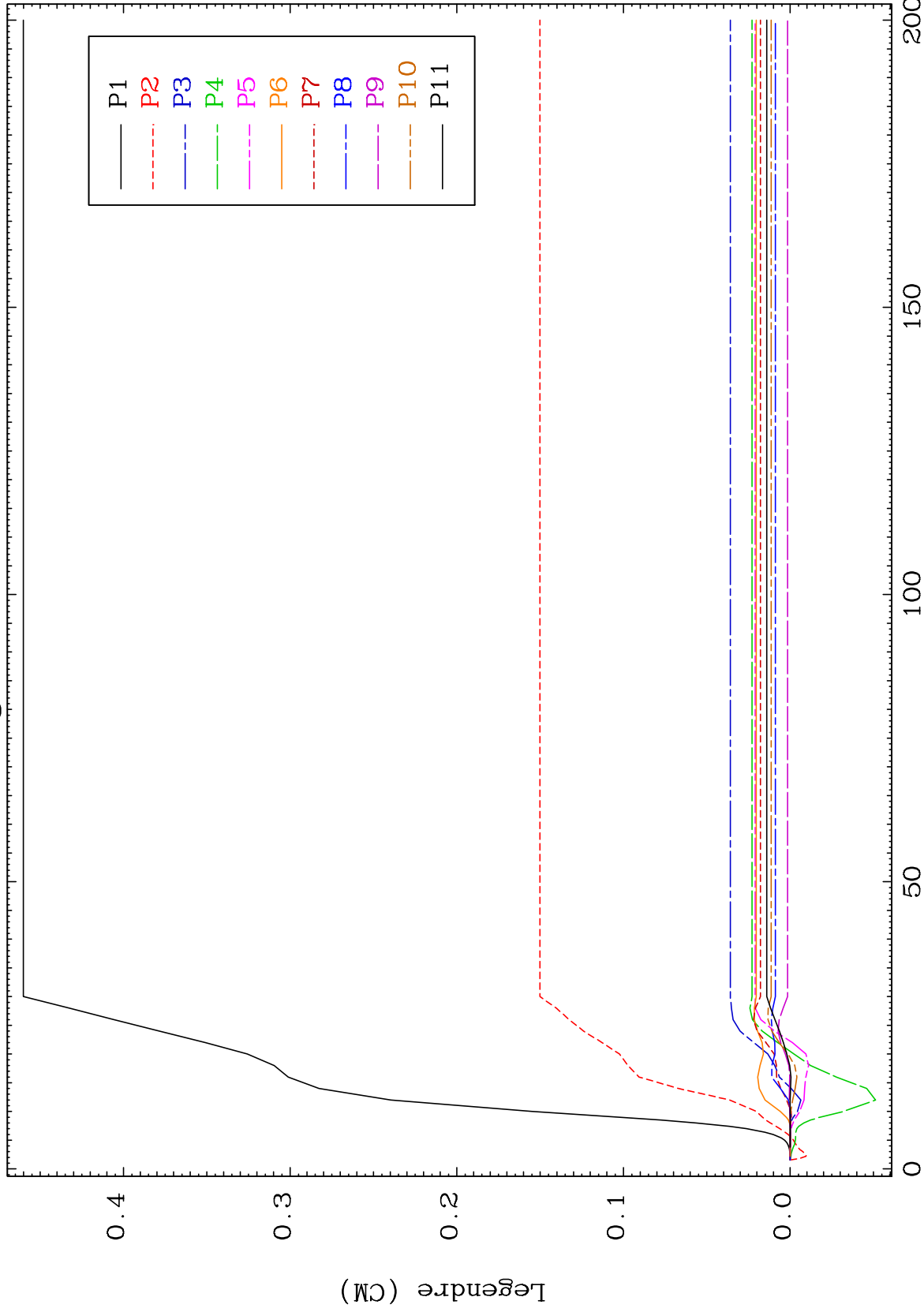




MAT 3034

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

30-Zn-67

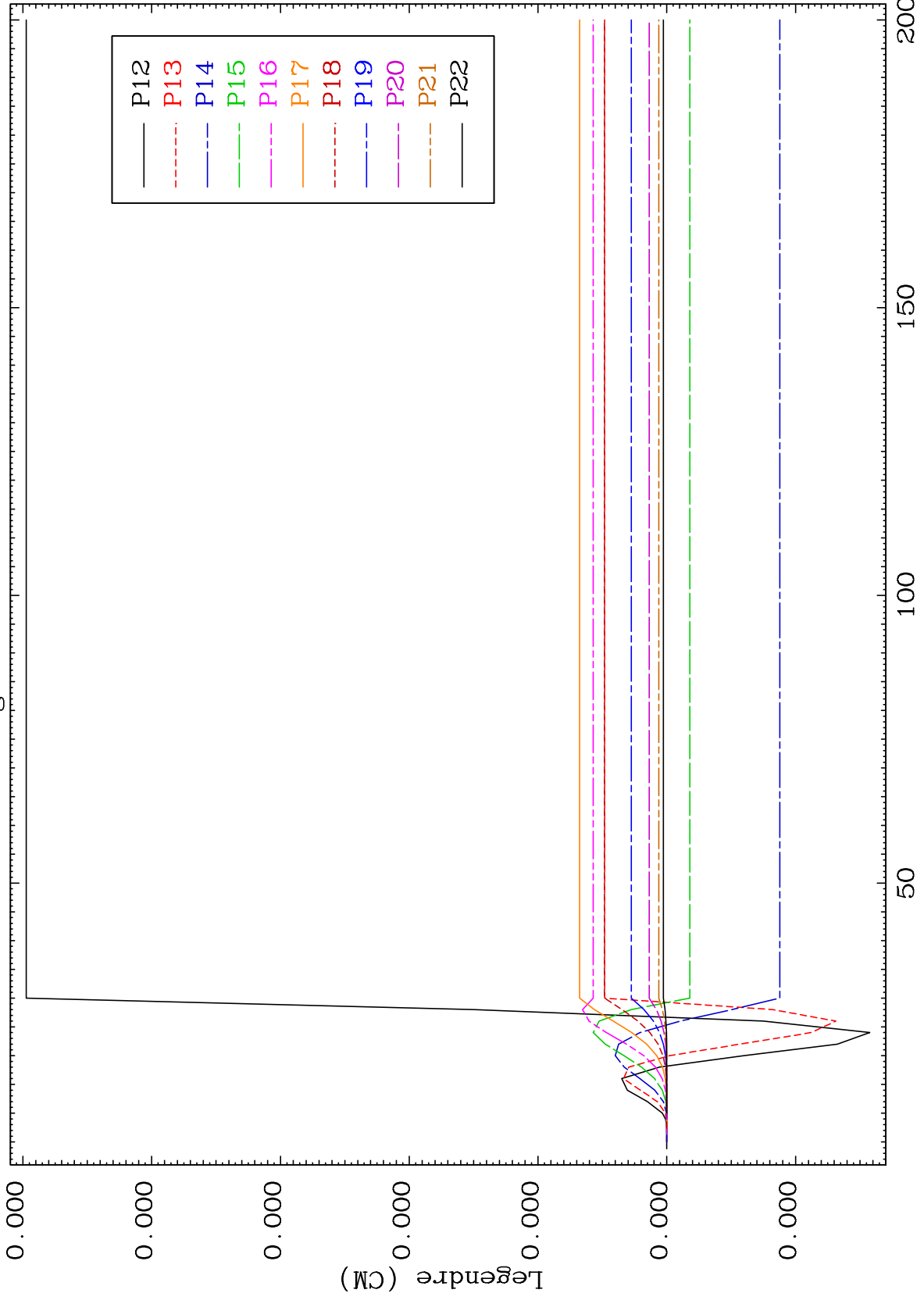


64

Incident Energy (MeV)

30-Zn-67

MAT 3034 MT= 65 (n,n') Level Legendre Coefficients 30-Zn-67

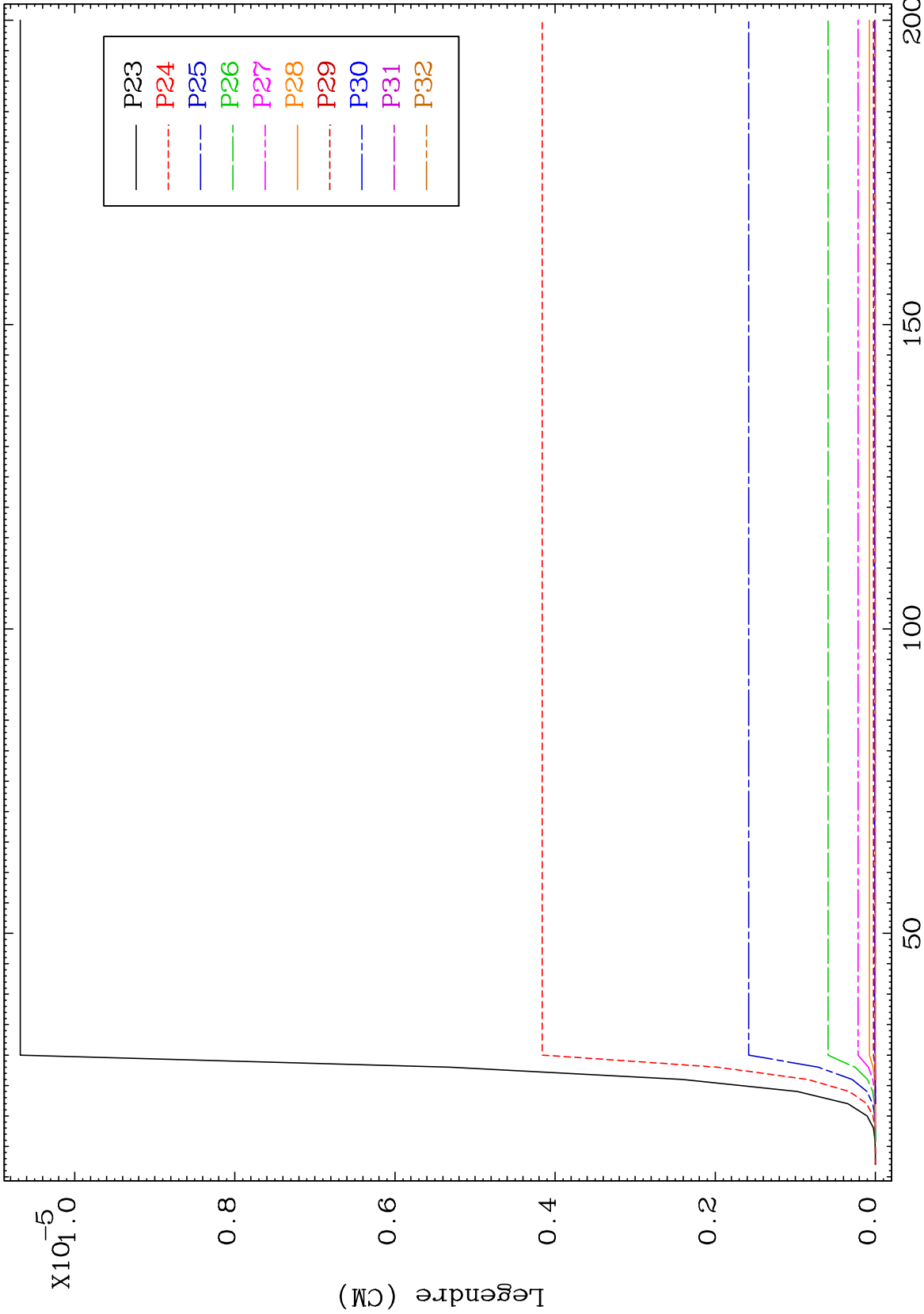


65 30-Zn-67

MAT 3034

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

30-Zn-67

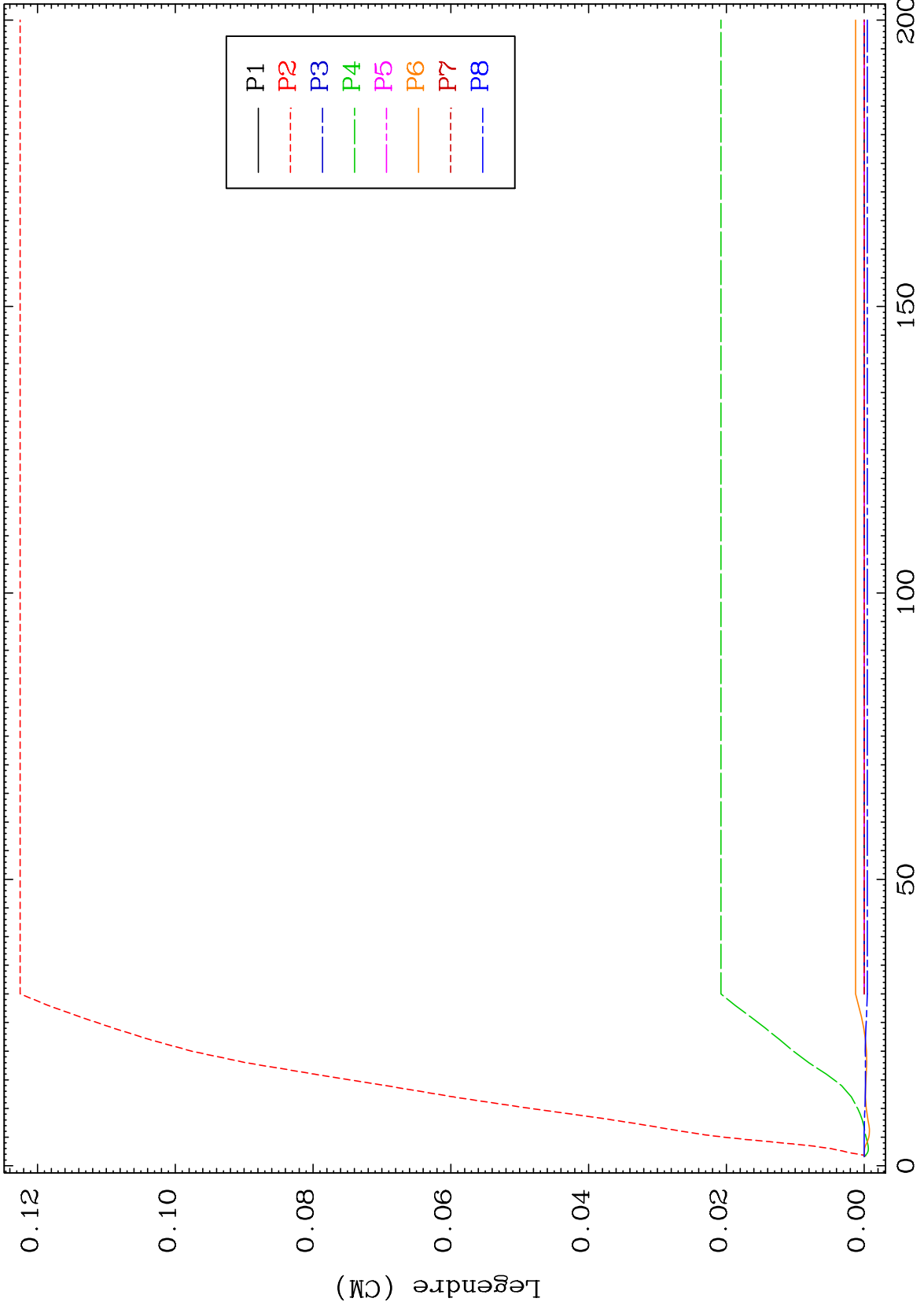


66

Incident Energy (MeV)

30-Zn-67

MAT 3034 MT= 66 (n,n') Level Legendre Coefficients 30-Zn-67

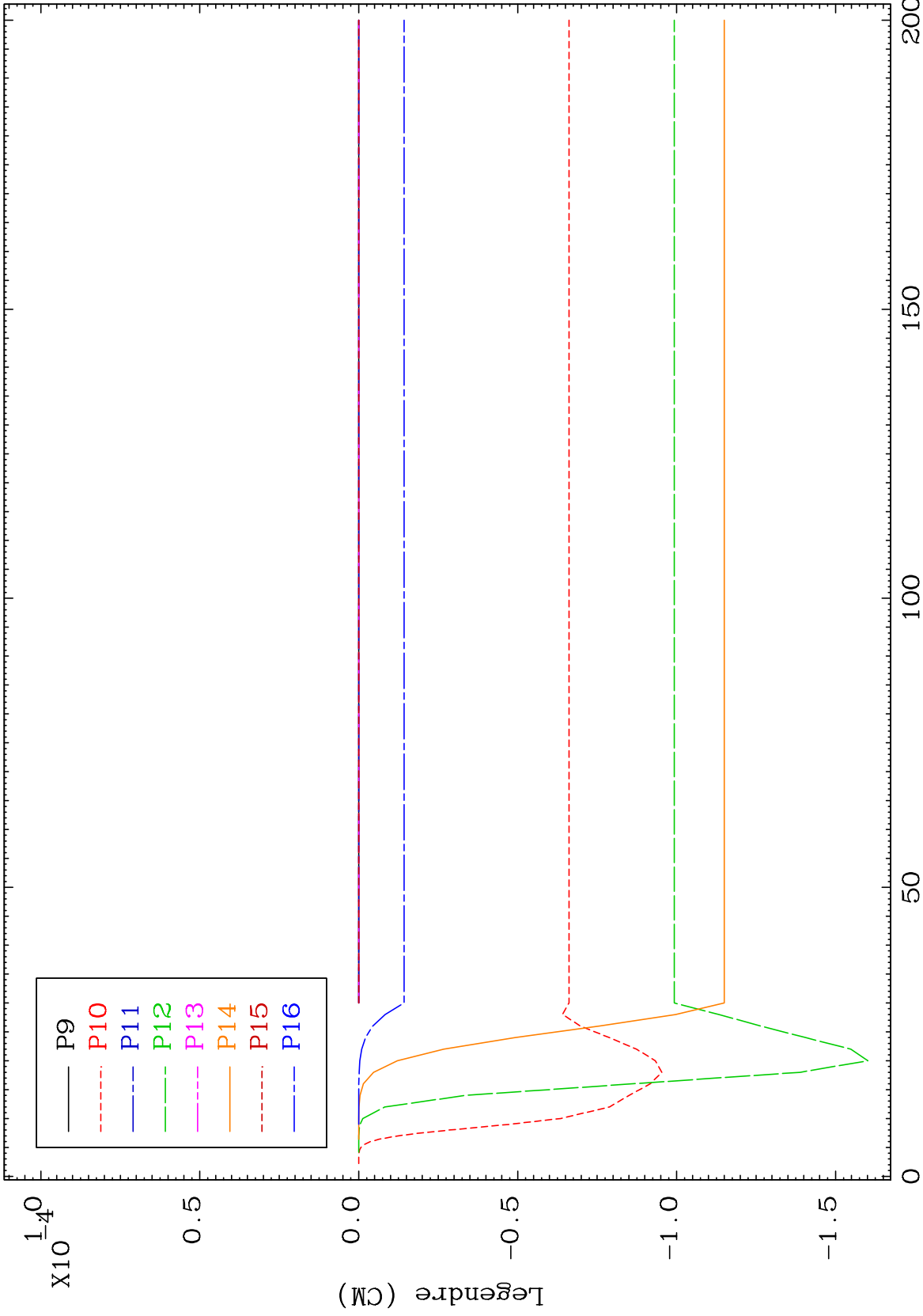


67 Incident Energy (MeV) 30-Zn-67

MAT 3034

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

30-Zn-67

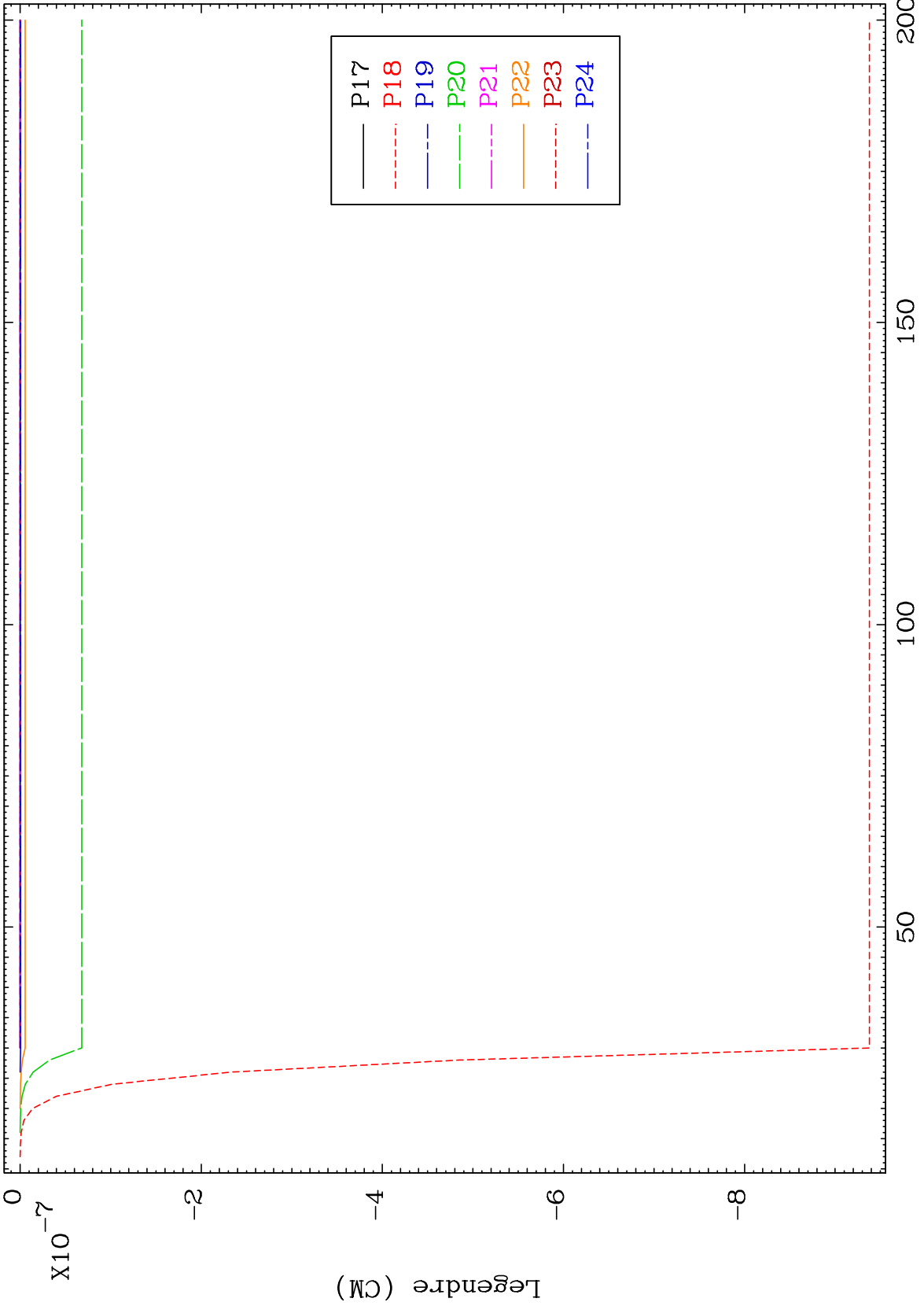


68

Incident Energy (MeV)

30-Zn-67

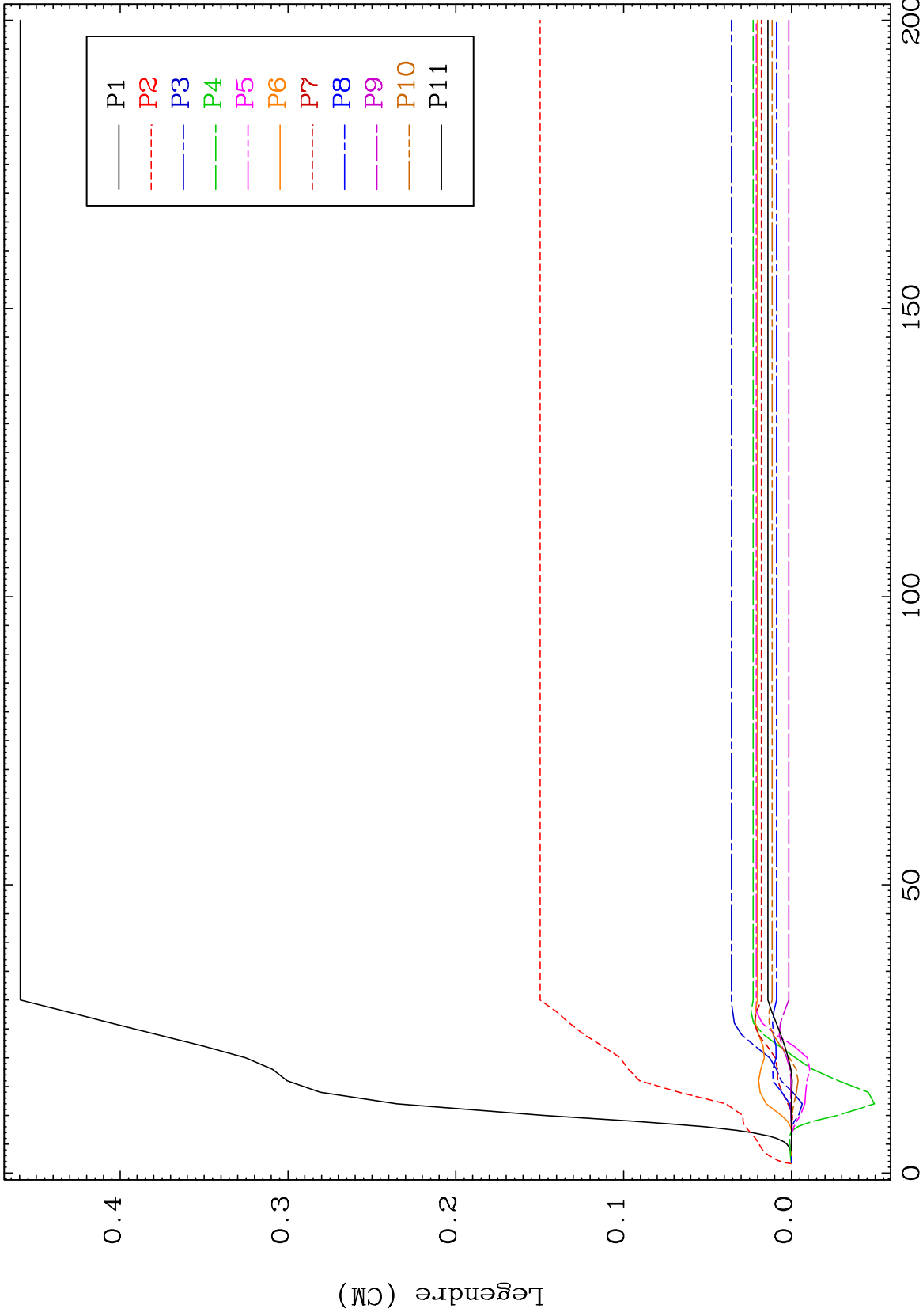
MAT 3034 MT= 66 (n,n') Level Legendre Coefficients 30-Zn-67



MAT 3034

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

30-Zn-67



70

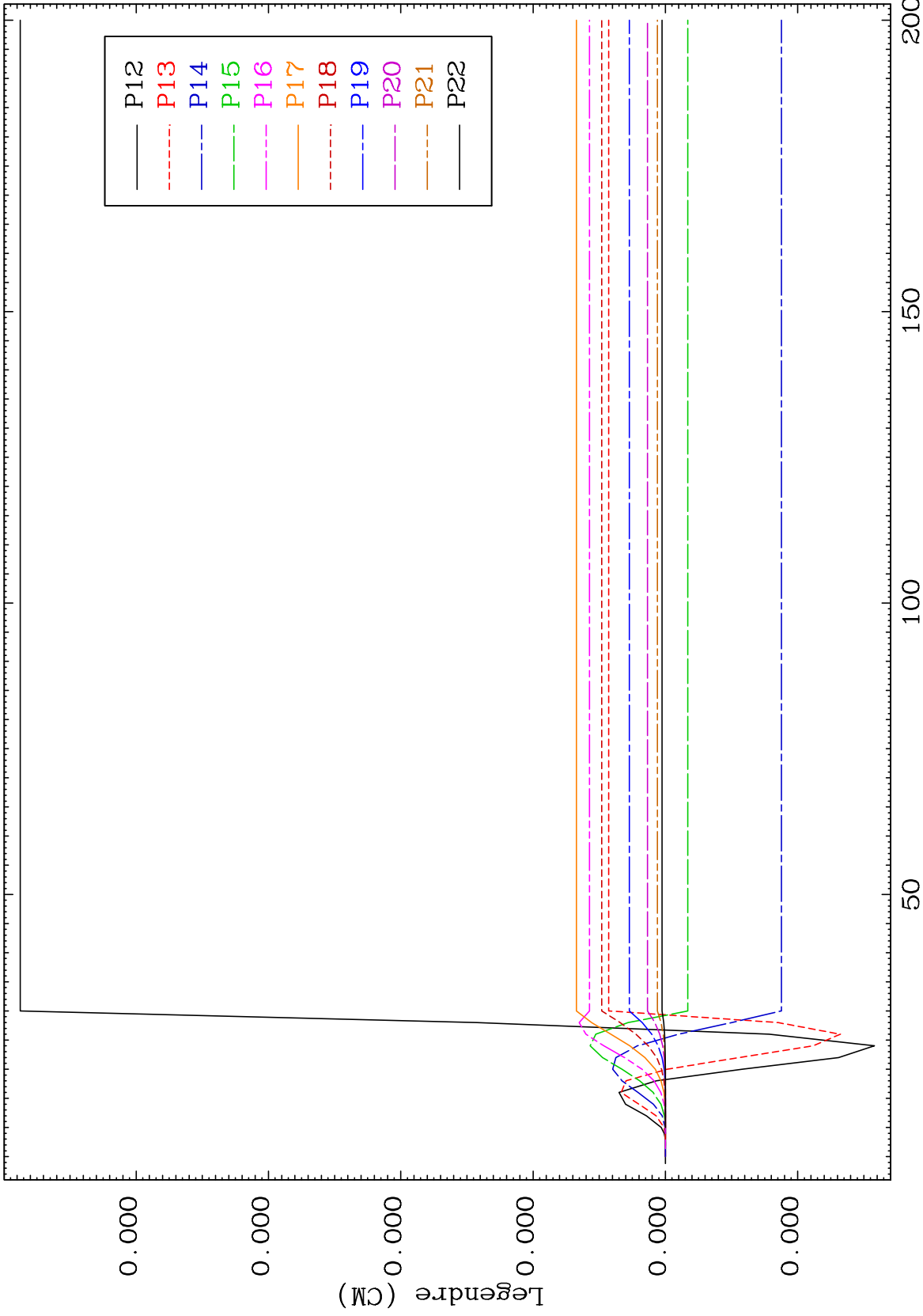
Incident Energy (MeV)

30-Zn-67

MAT 3034

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

30-Zn-67



71

Incident Energy (MeV)

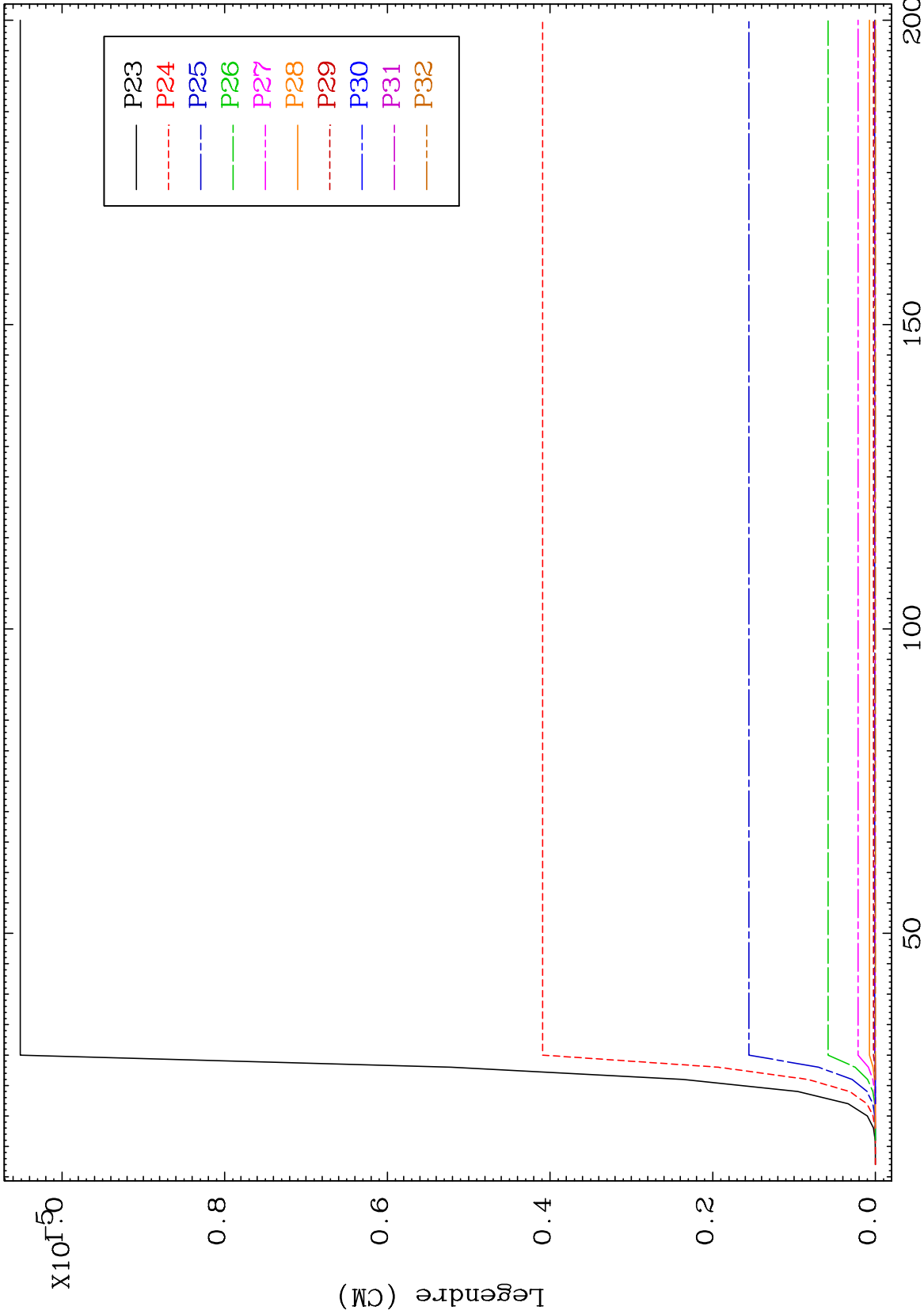
30-Zn-67



MAT 3034

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

30-Zn-67



72

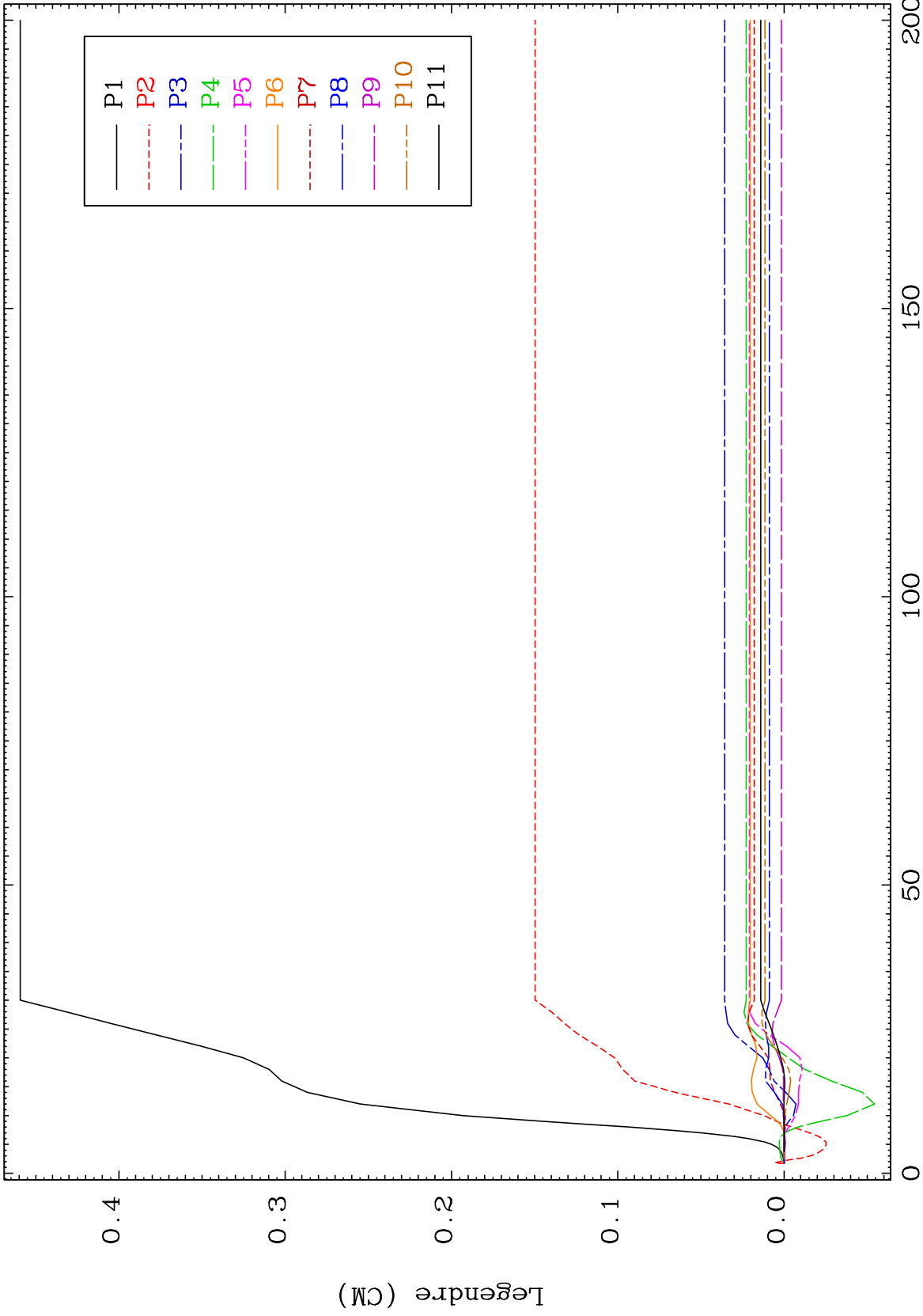
Incident Energy (MeV)

30-Zn-67

MAT 3034

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

30-Zn-67



73

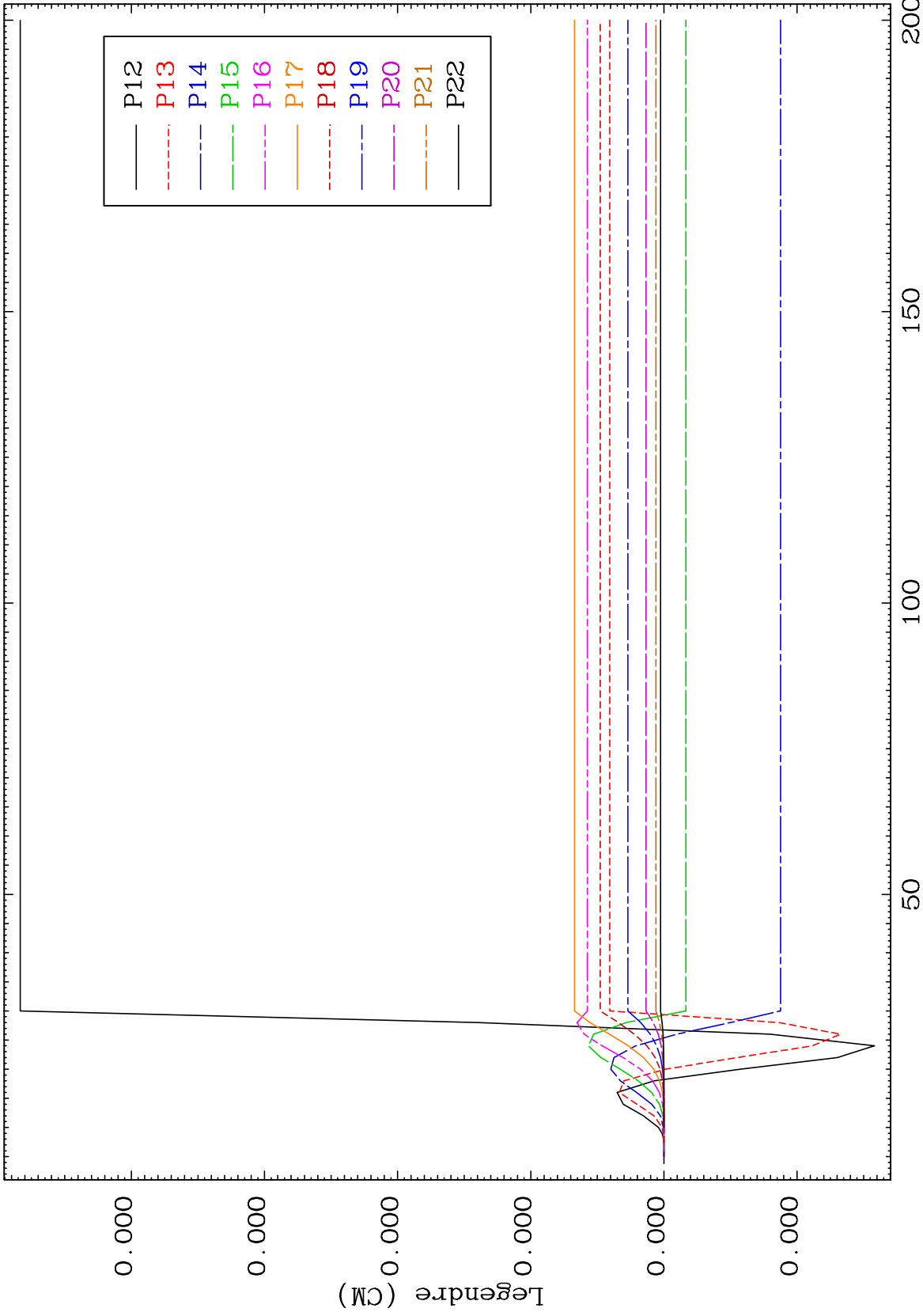
Incident Energy (MeV)

30-Zn-67

MAT 3034

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

30-Zn-67



74

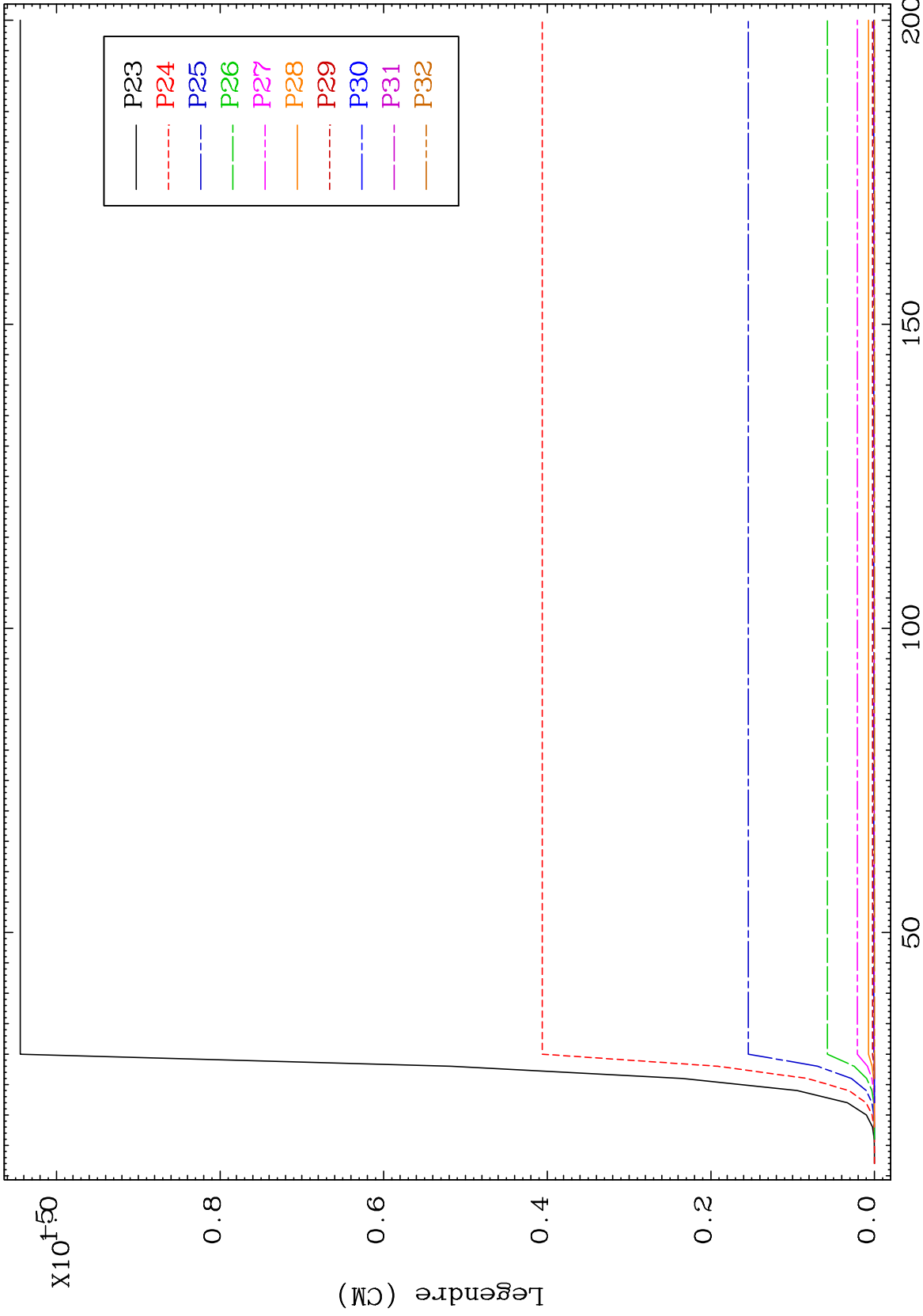
Incident Energy (MeV)

30-Zn-67

MAT 3034

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

30-Zn-67

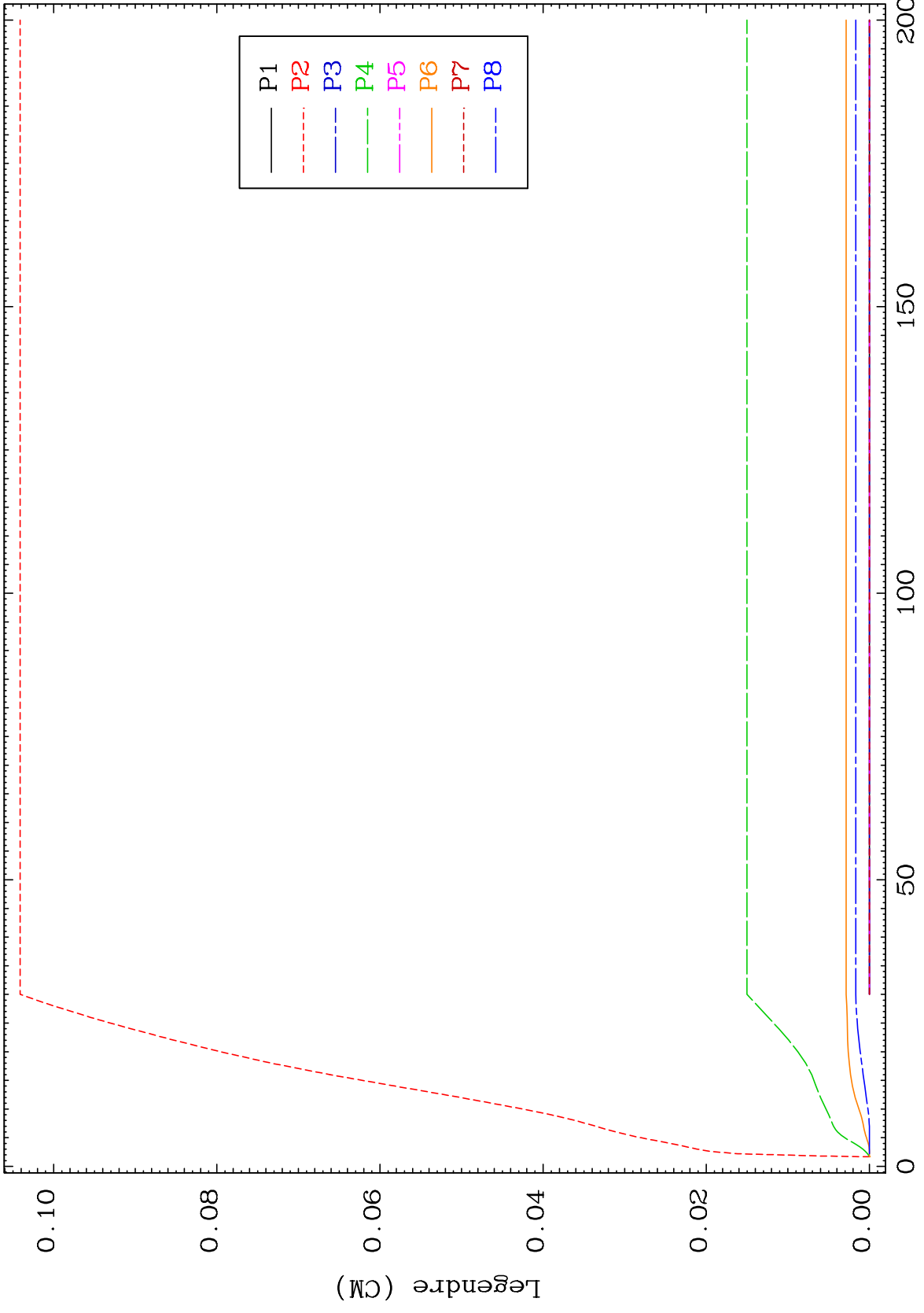


75

Incident Energy (MeV)

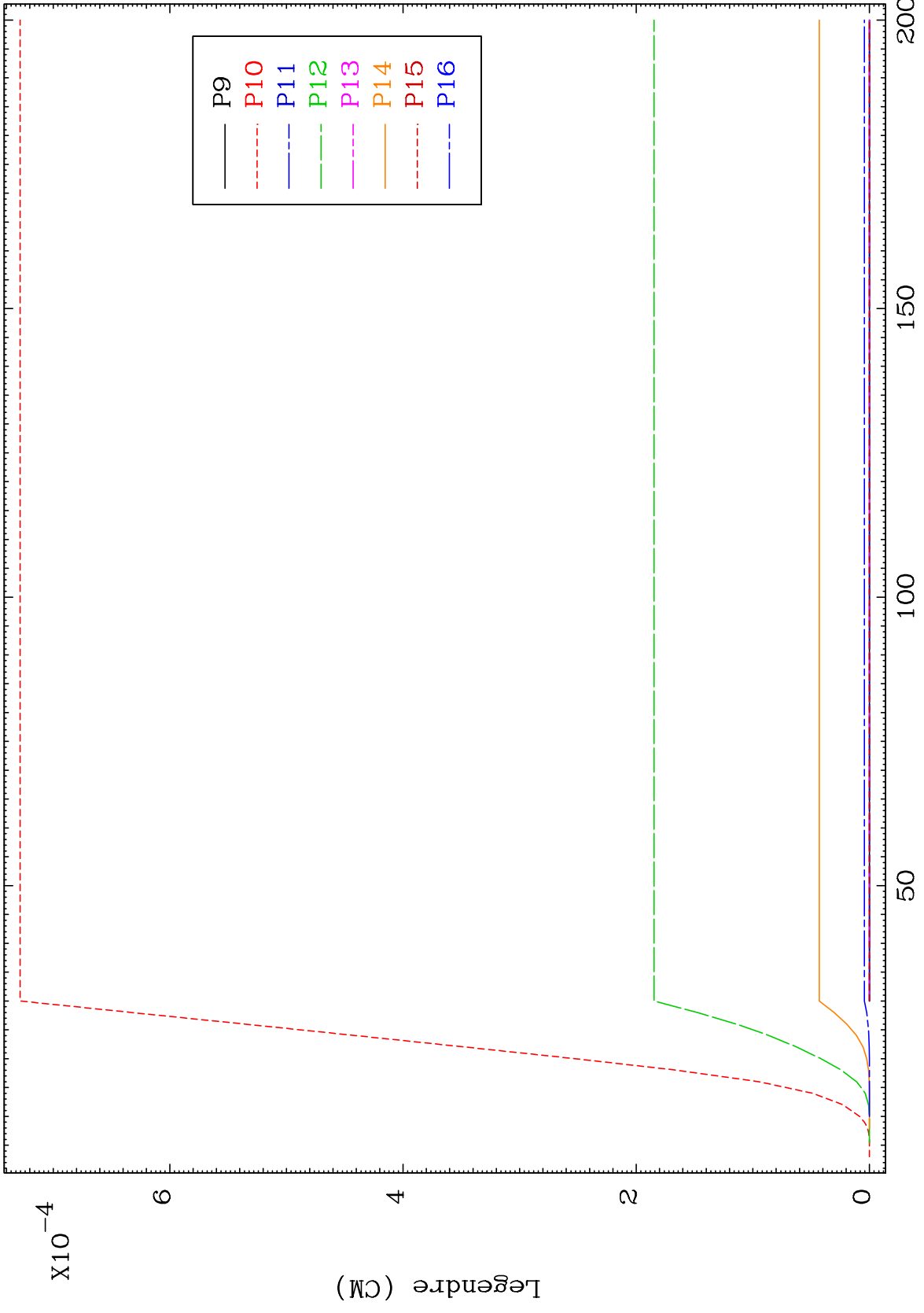
30-Zn-67

MAT 3034 MT= 69 (n,n') Level Legendre Coefficients 30-Zn-67

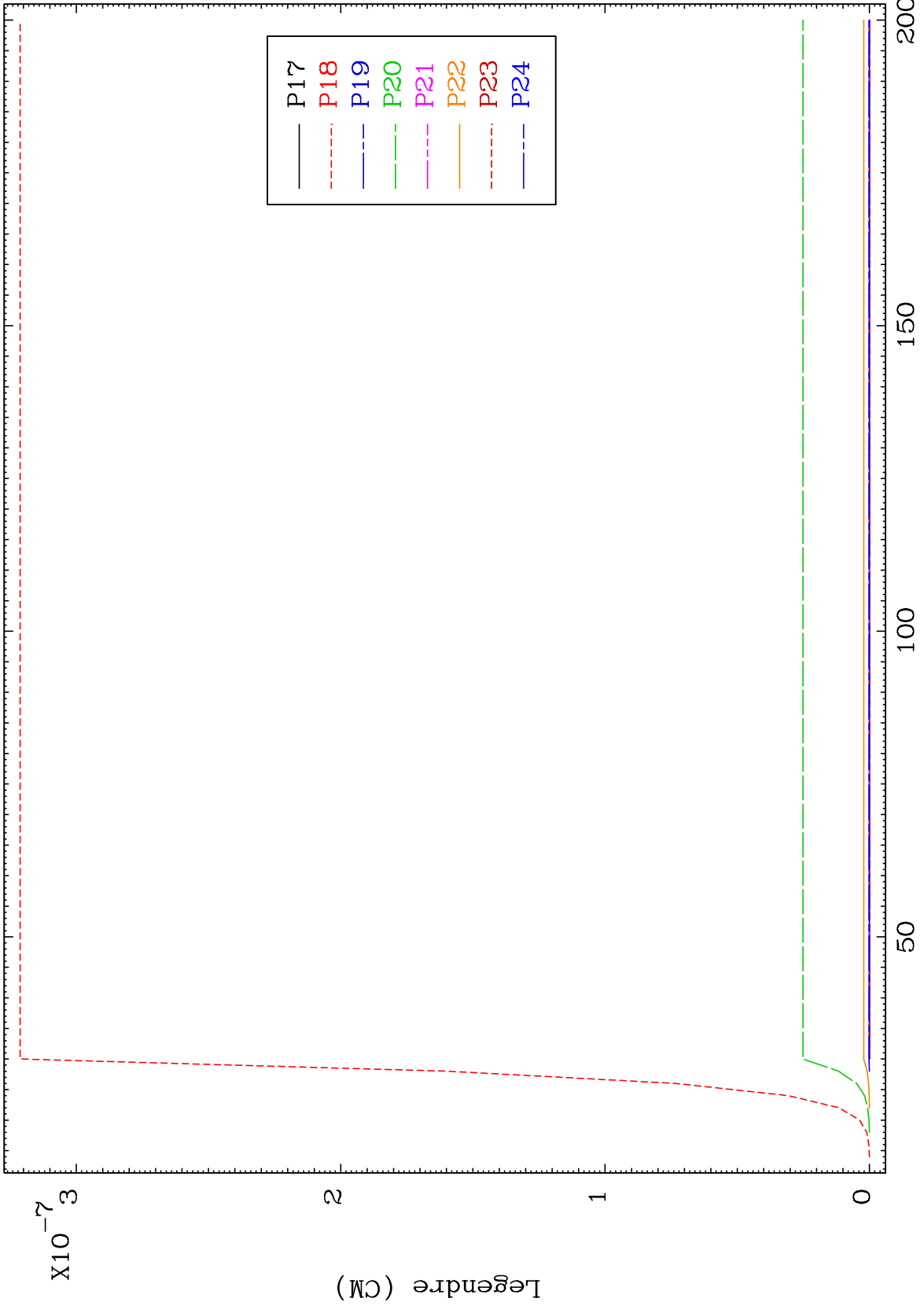


76 Incident Energy (MeV) 30-Zn-67

MAT 3034 MT= 69 (n,n') Level Legendre Coefficients 30-Zn-67



MAT 3034 MT= 69 (n,n') Level Legendre Coefficients 30-Zn-67

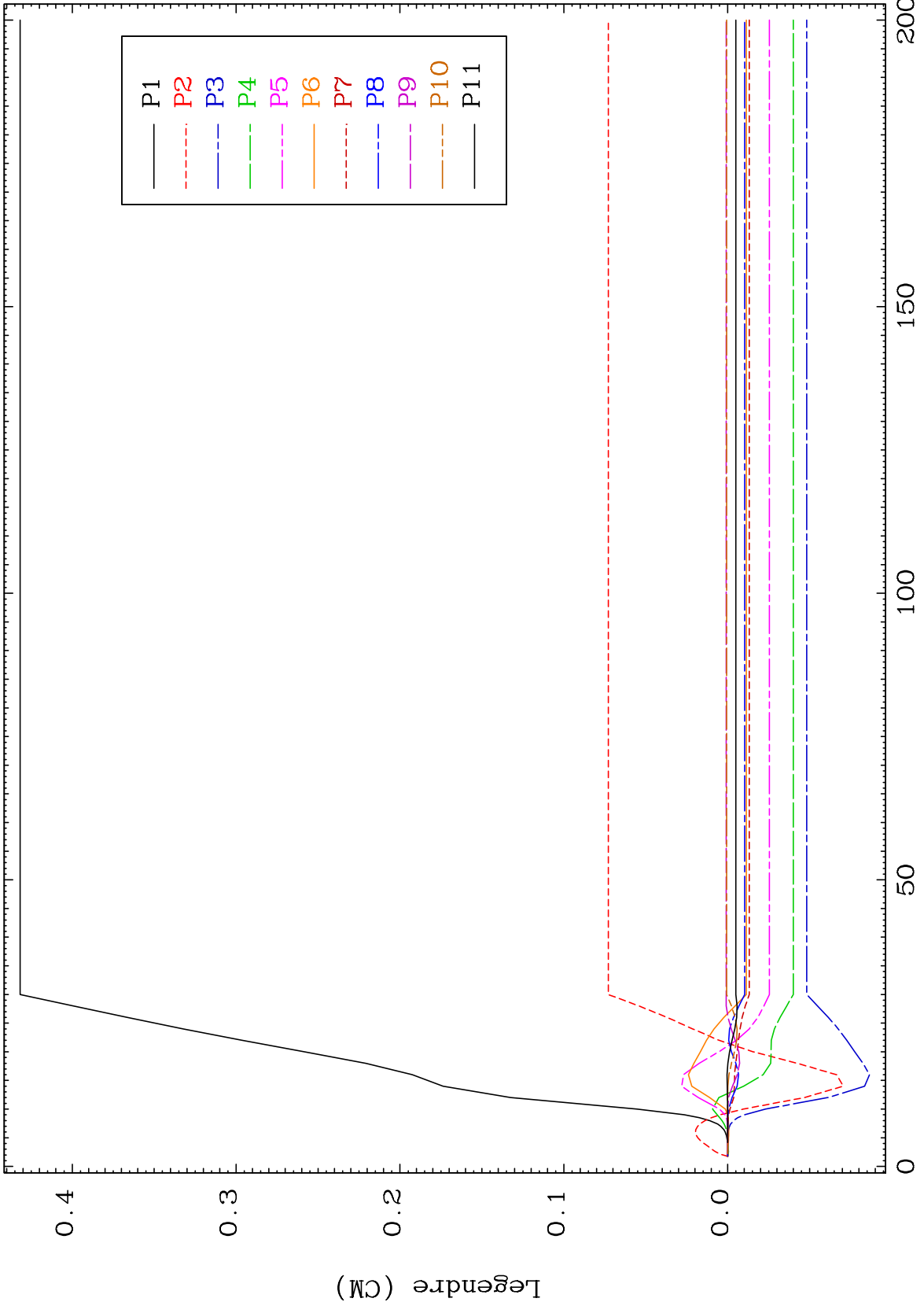


78 30-Zn-67

MAT 3034

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

30-Zn-67



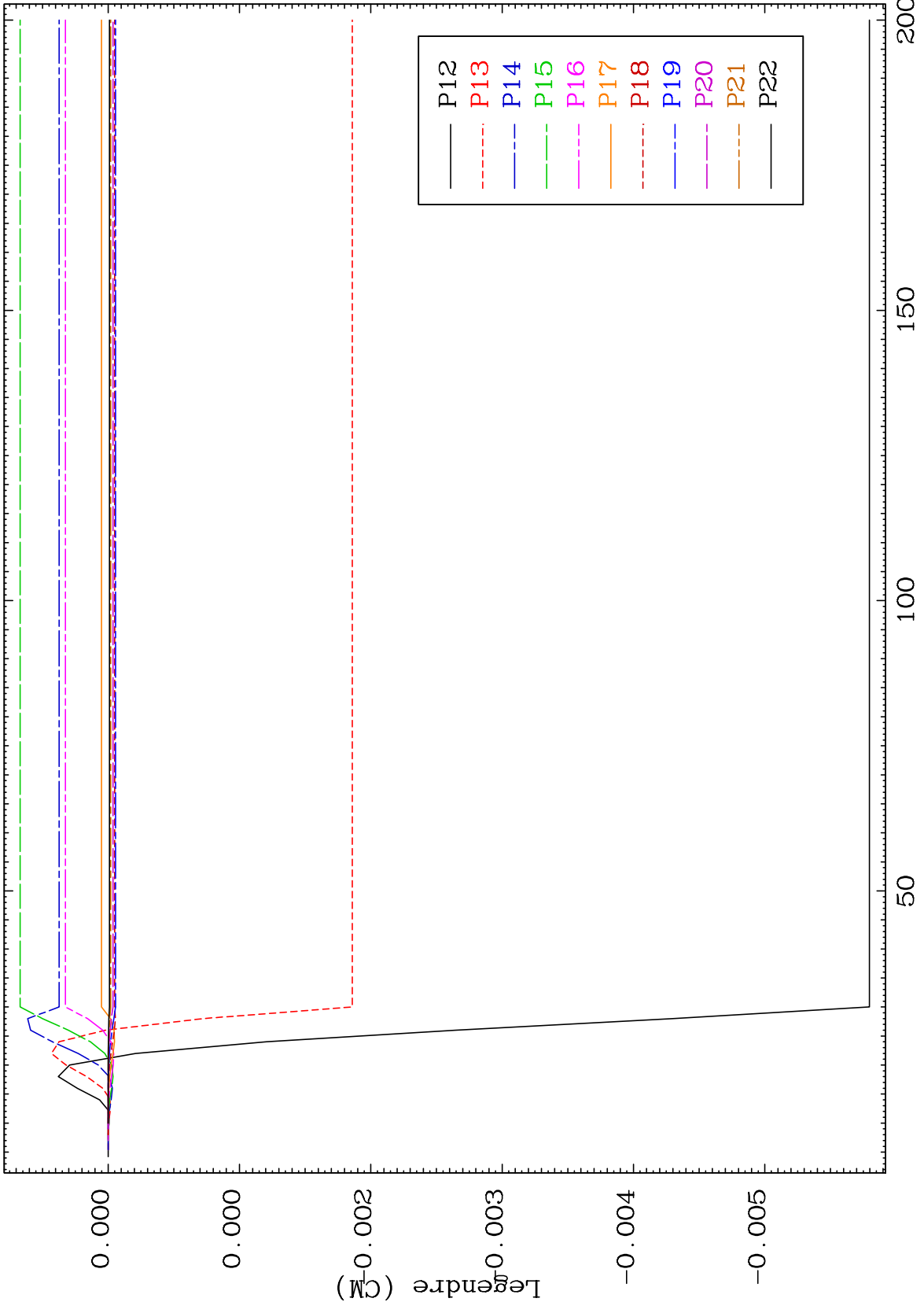
79

Incident Energy (MeV)

30-Zn-67



MAT 3034 MT= 70 (n,n') Level Legendre Coefficients 30-Zn-67

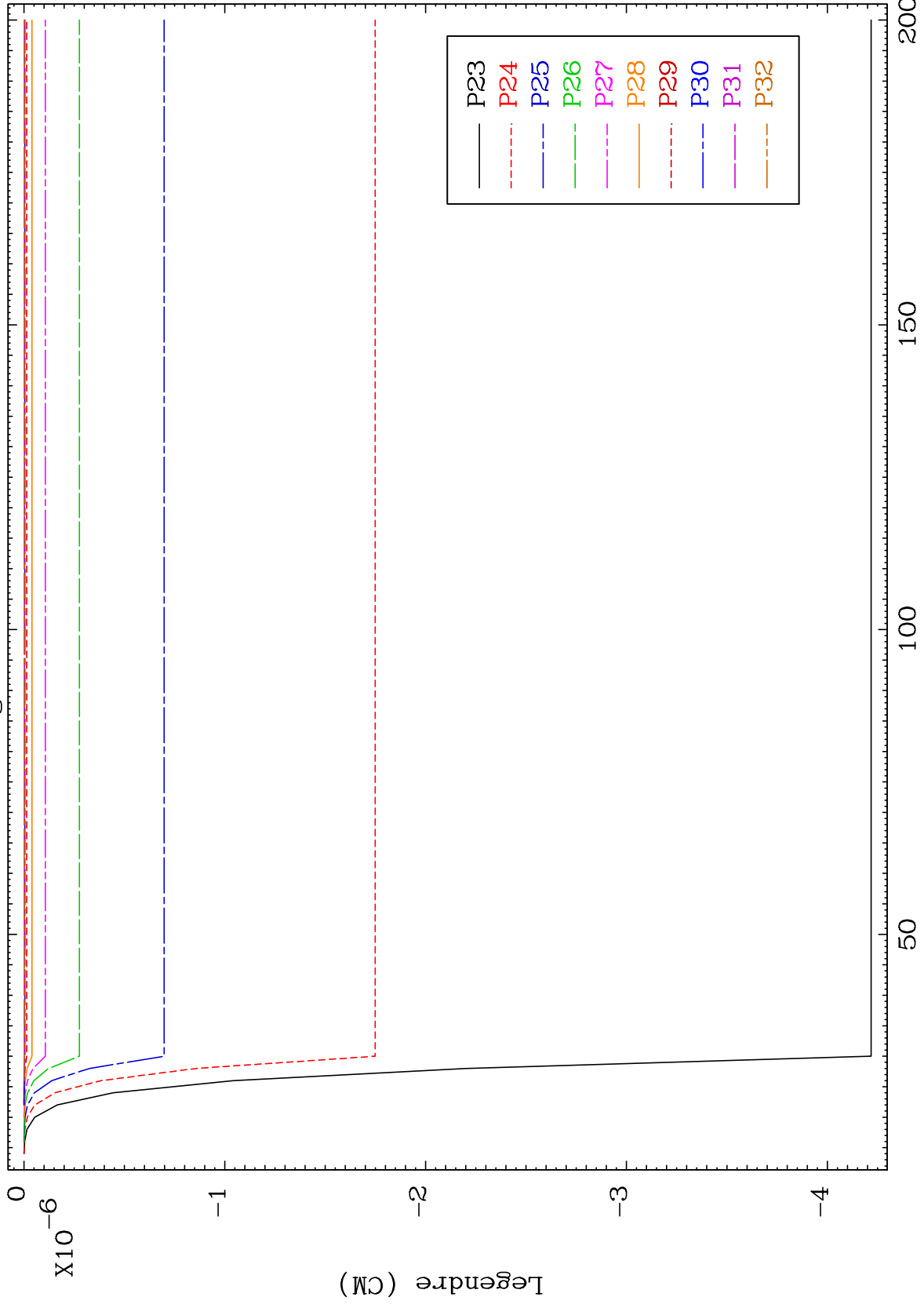


80 Incident Energy (MeV) 200 30-Zn-67

MAT 3034

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

30-Zn-67

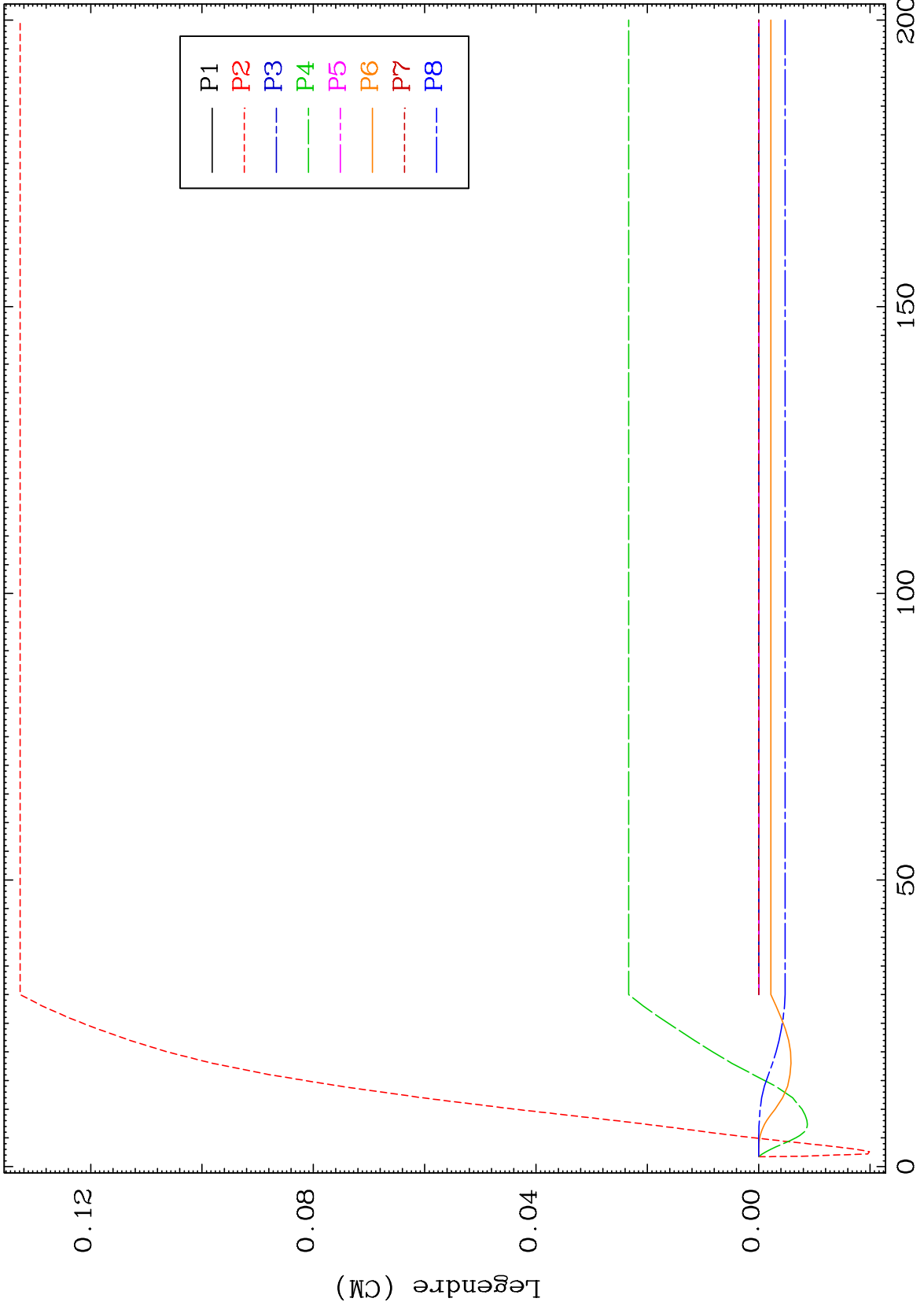


81

Incident Energy (MeV)

30-Zn-67

MAT 3034 MT= 71 (n,n') Level Legendre Coefficients 30-Zn-67

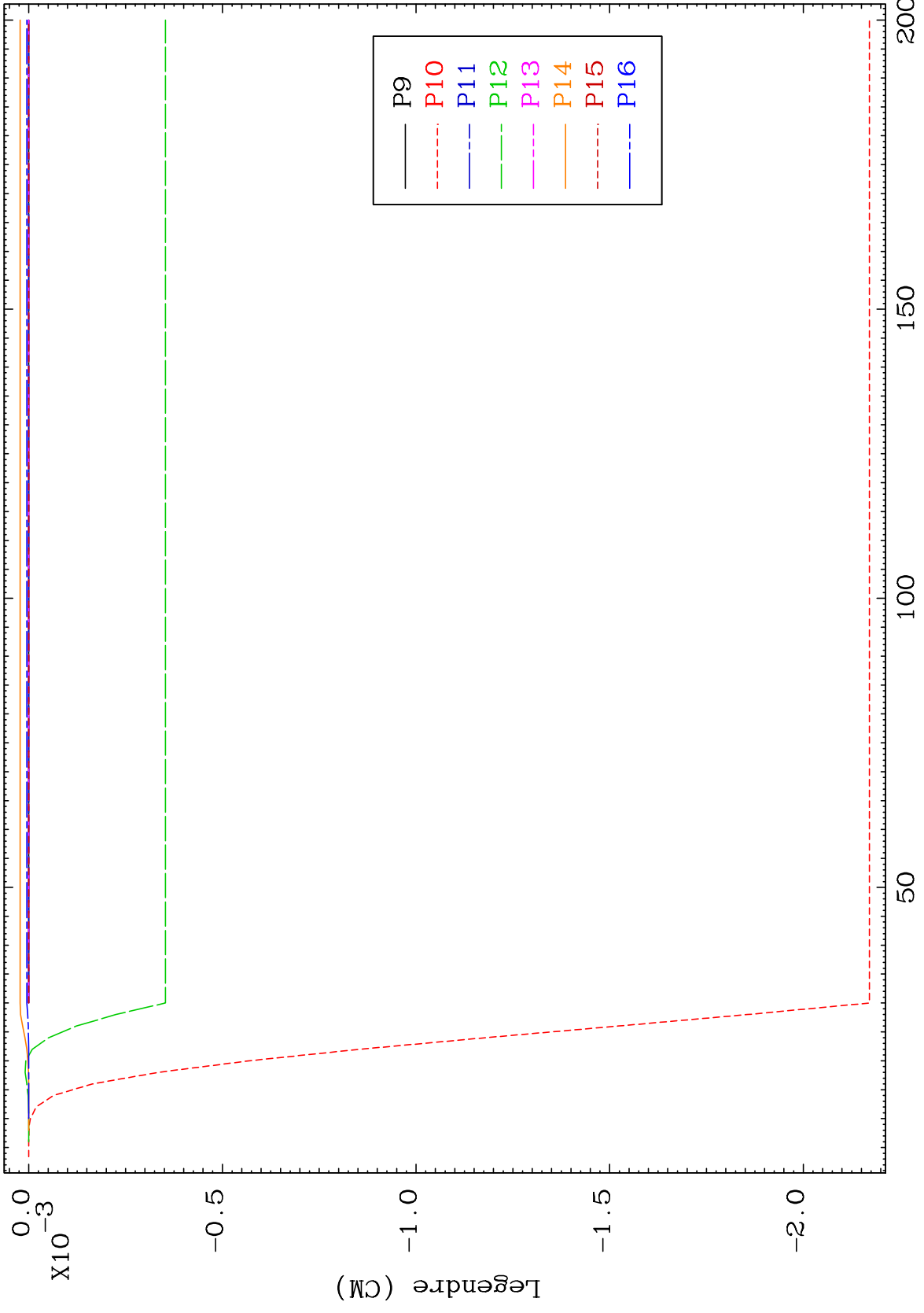


82 Incident Energy (MeV) 30-Zn-67

MAT 3034

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

30-Zn-67

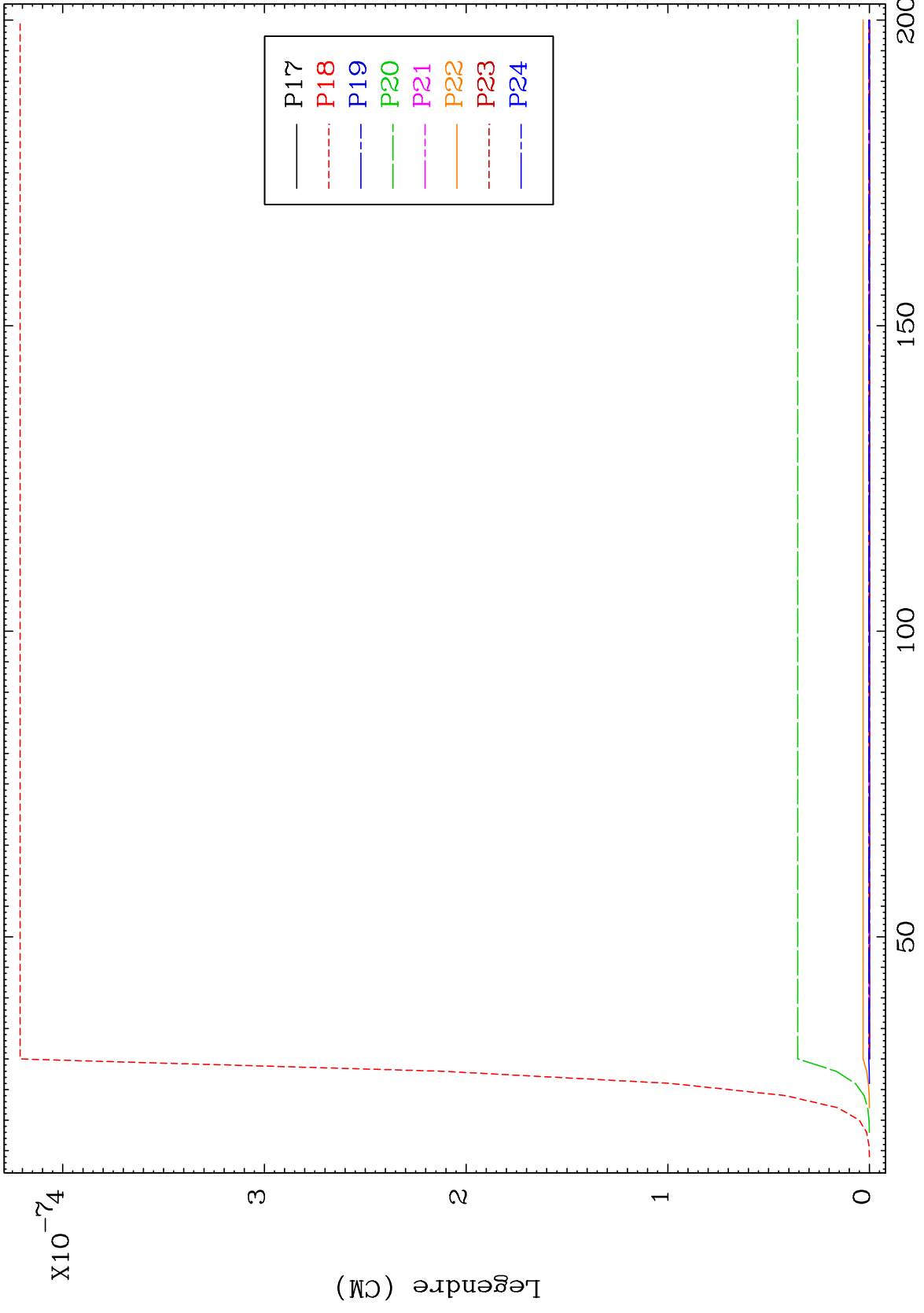


30-Zn-67

Incident Energy (MeV)

83

MAT 3034 MT= 71 (n,n') Level Legendre Coefficients 30-Zn-67



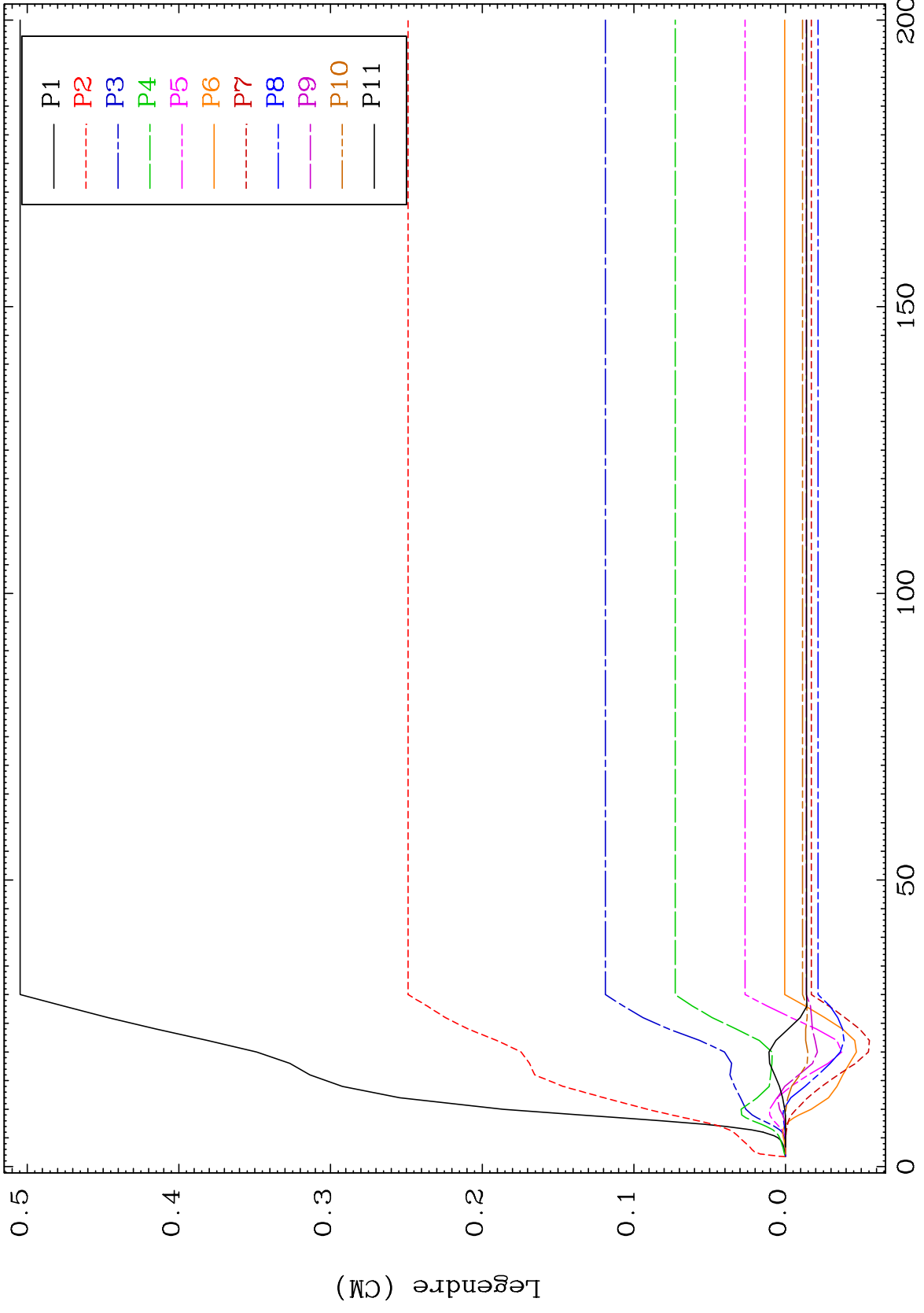
84

30-Zn-67

MAT 3034

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

30-Zn-67



85

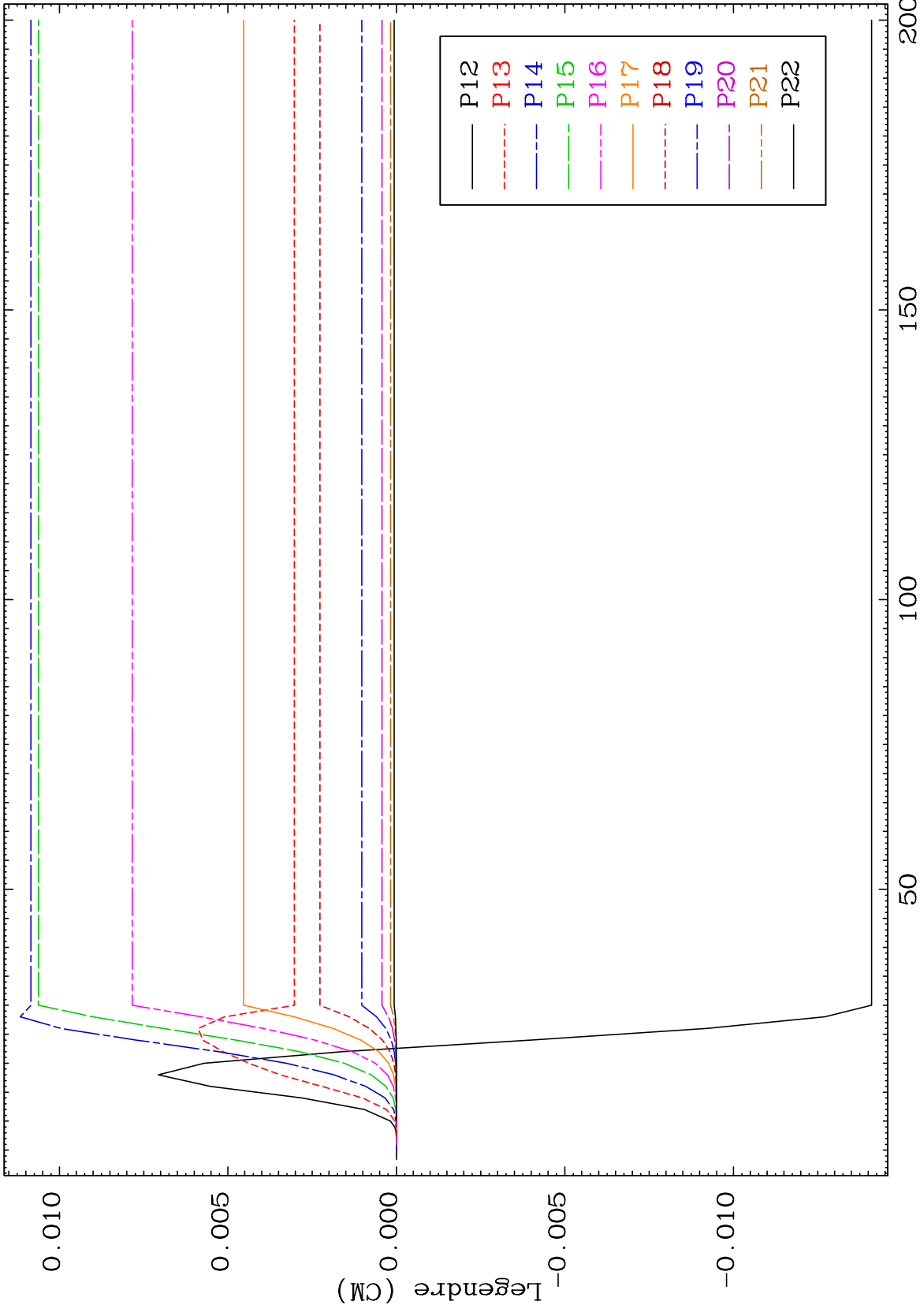
Incident Energy (MeV)

30-Zn-67

MAT 3034

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

30-Zn-67



86

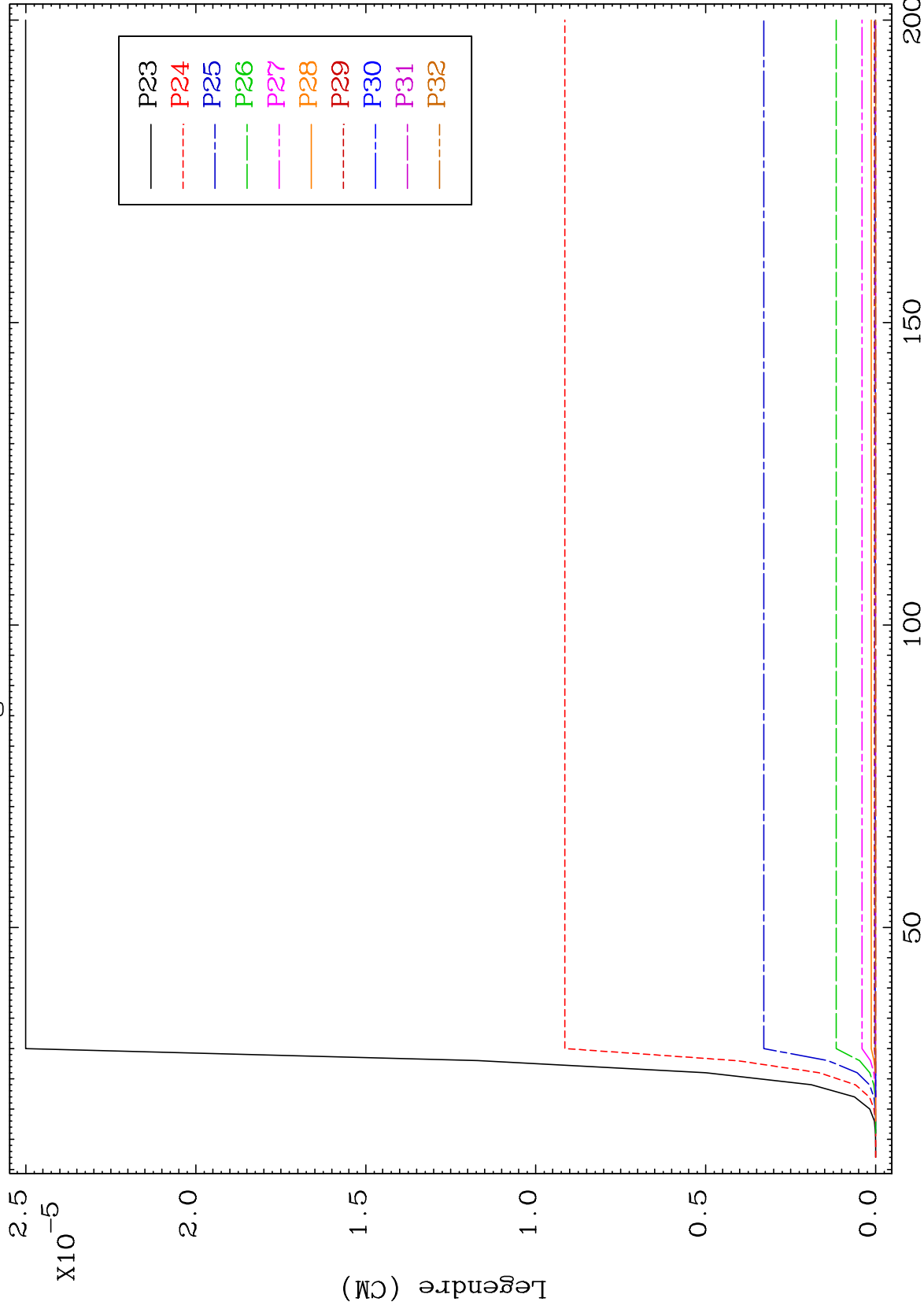
Incident Energy (MeV)

30-Zn-67

MAT 3034

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

30-Zn-67



87

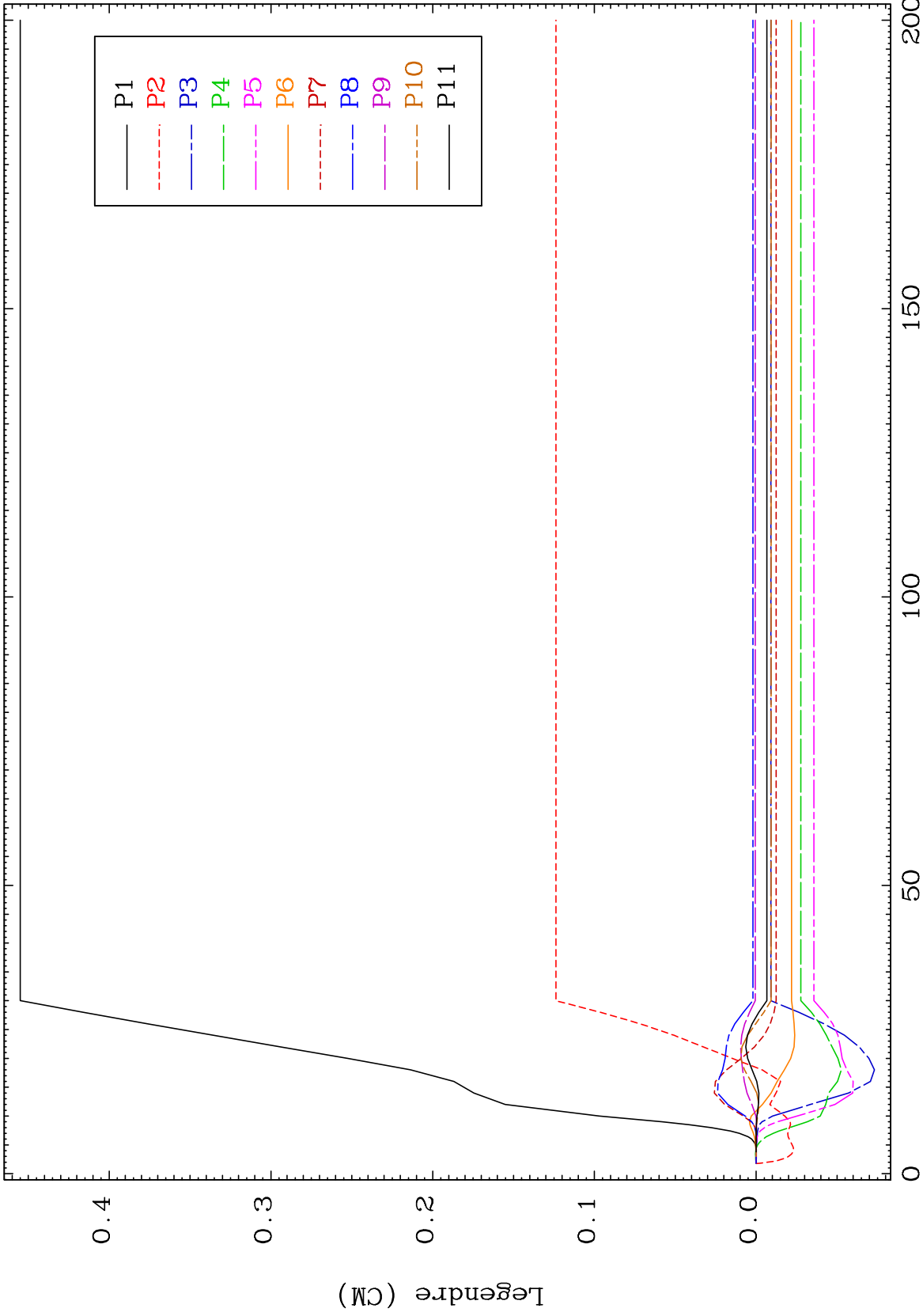
30-Zn-67



MAT 3034

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

30-Zn-67



88

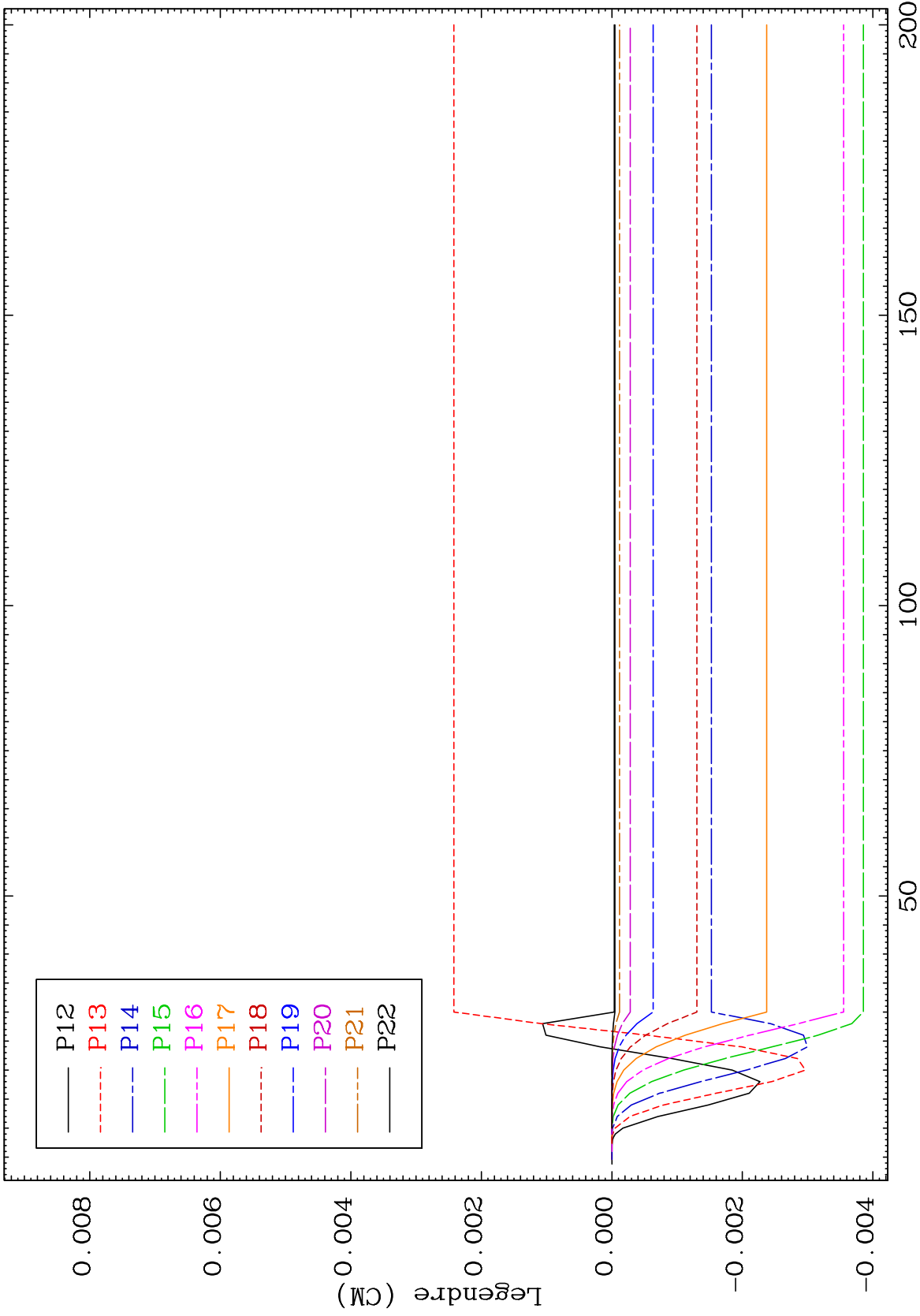
Incident Energy (MeV)

30-Zn-67

MAT 3034

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

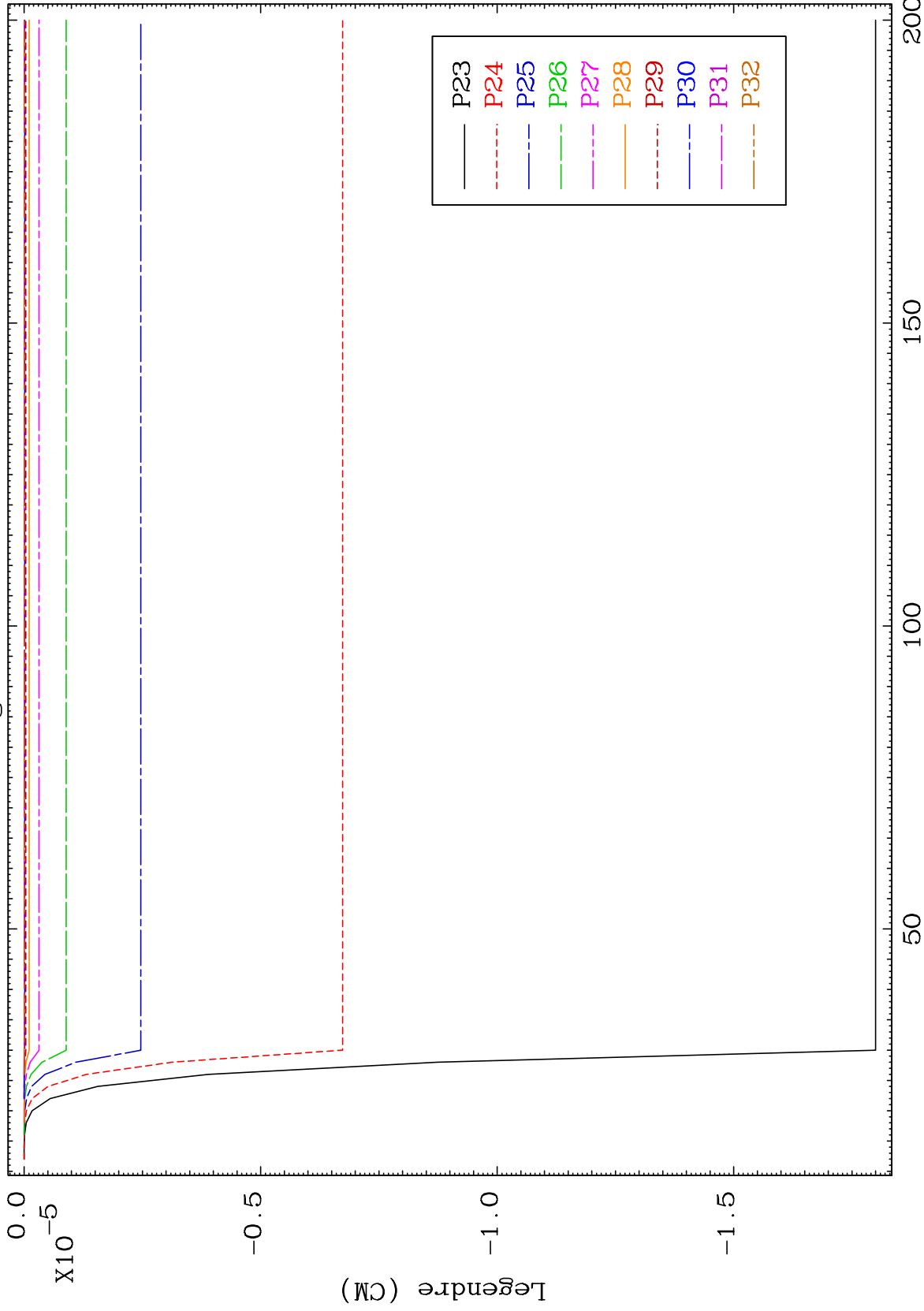
30-Zn-67



MAT 3034

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

30-Zn-67



90

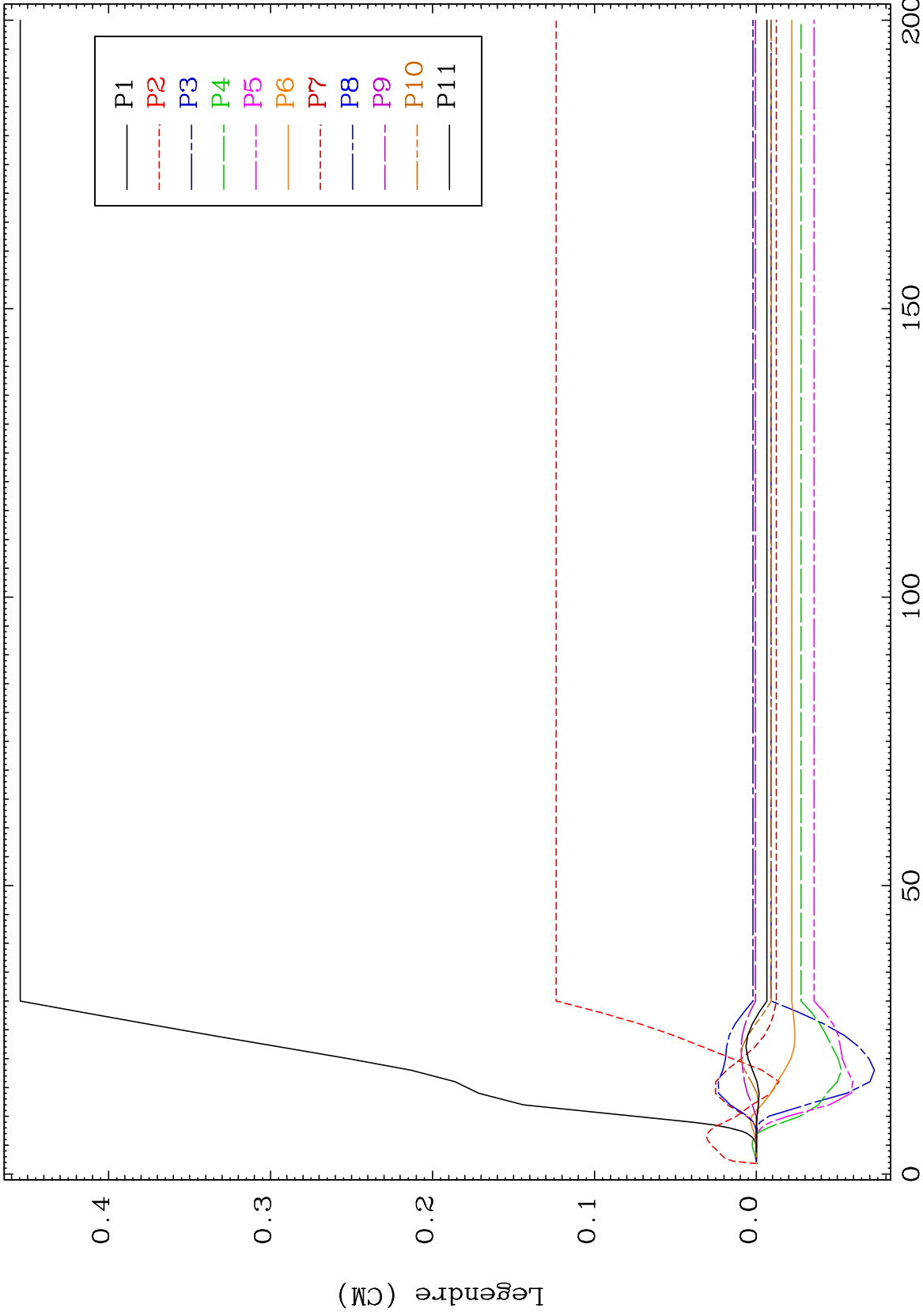
Incident Energy (MeV)

30-Zn-67

MAT 3034

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

30-Zn-67



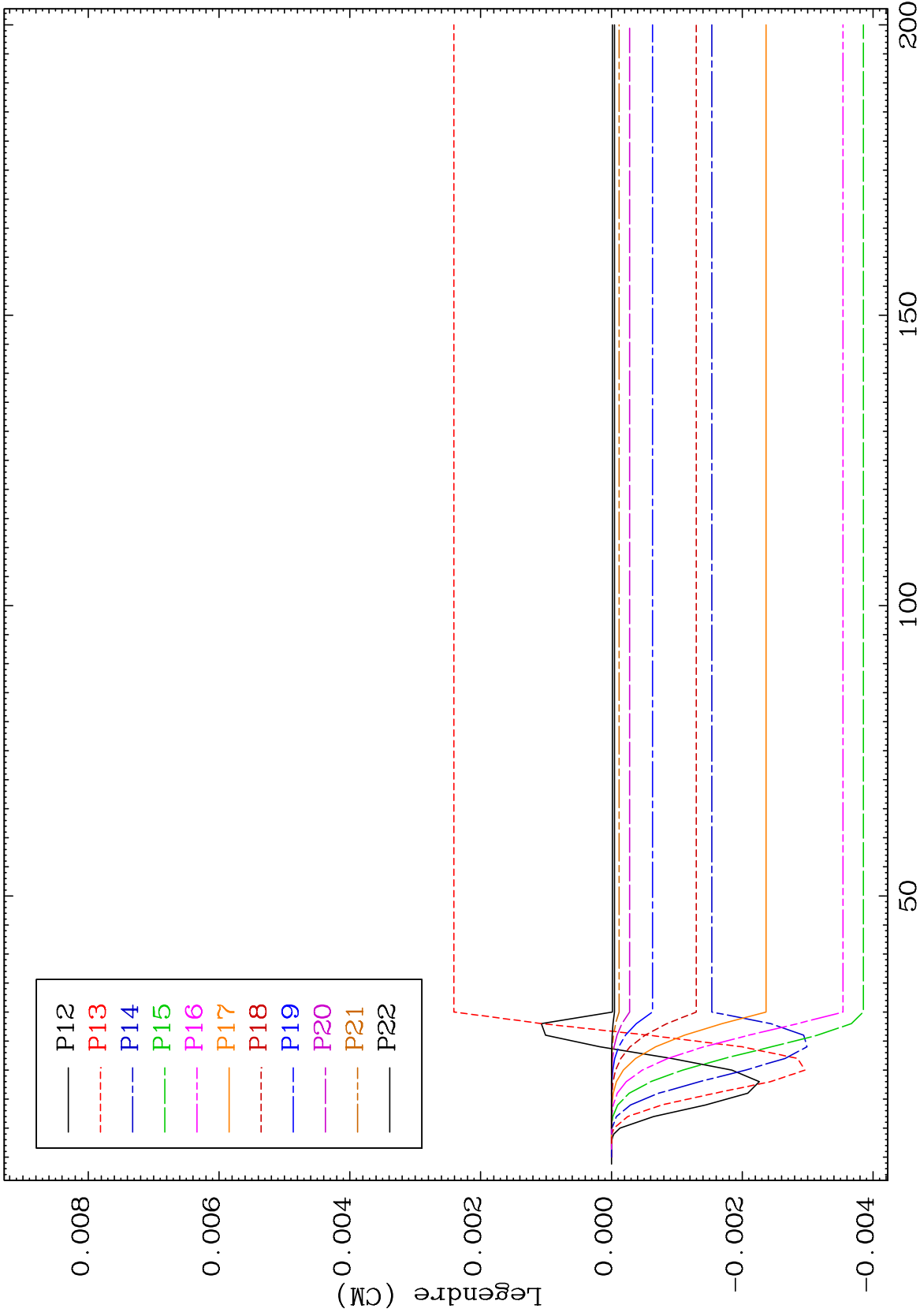
91

30-Zn-67

MAT 3034

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

30-Zn-67



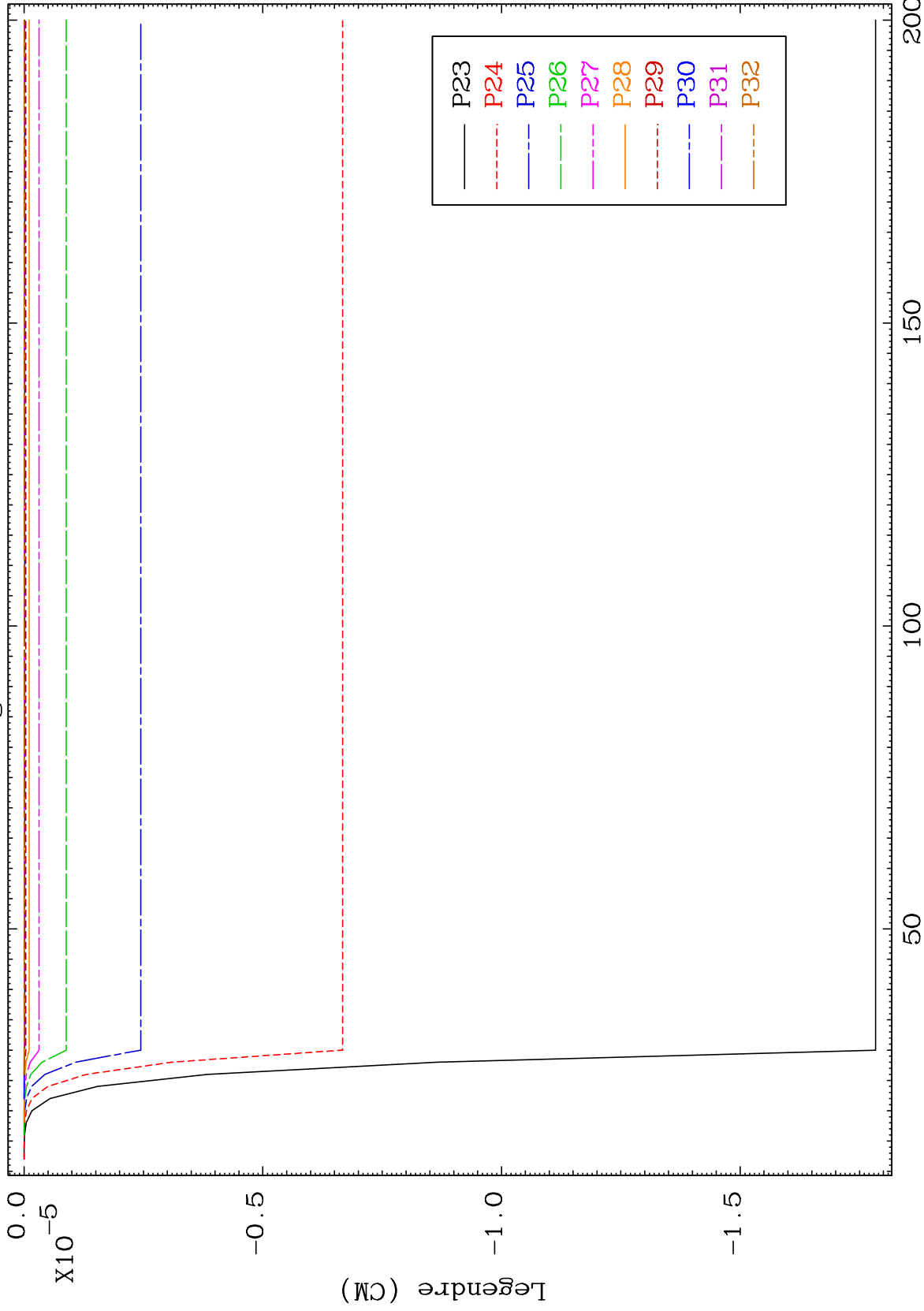
92

Incident Energy (MeV)

30-Zn-67

MAT 3034 MT= 74 (n,n') Level 30-Zn-67

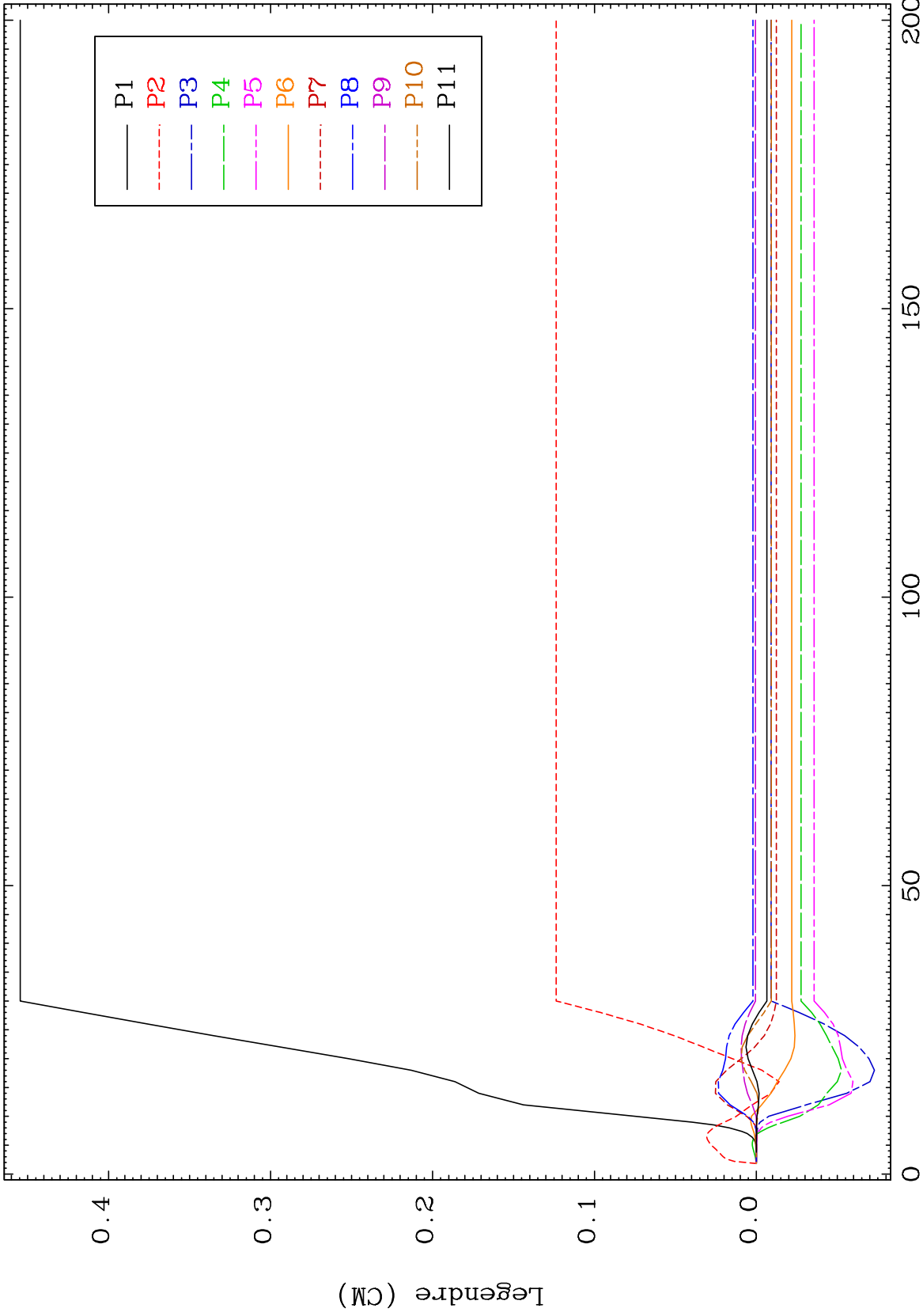
Legendre Coefficients



MAT 3034

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

30-Zn-67



94

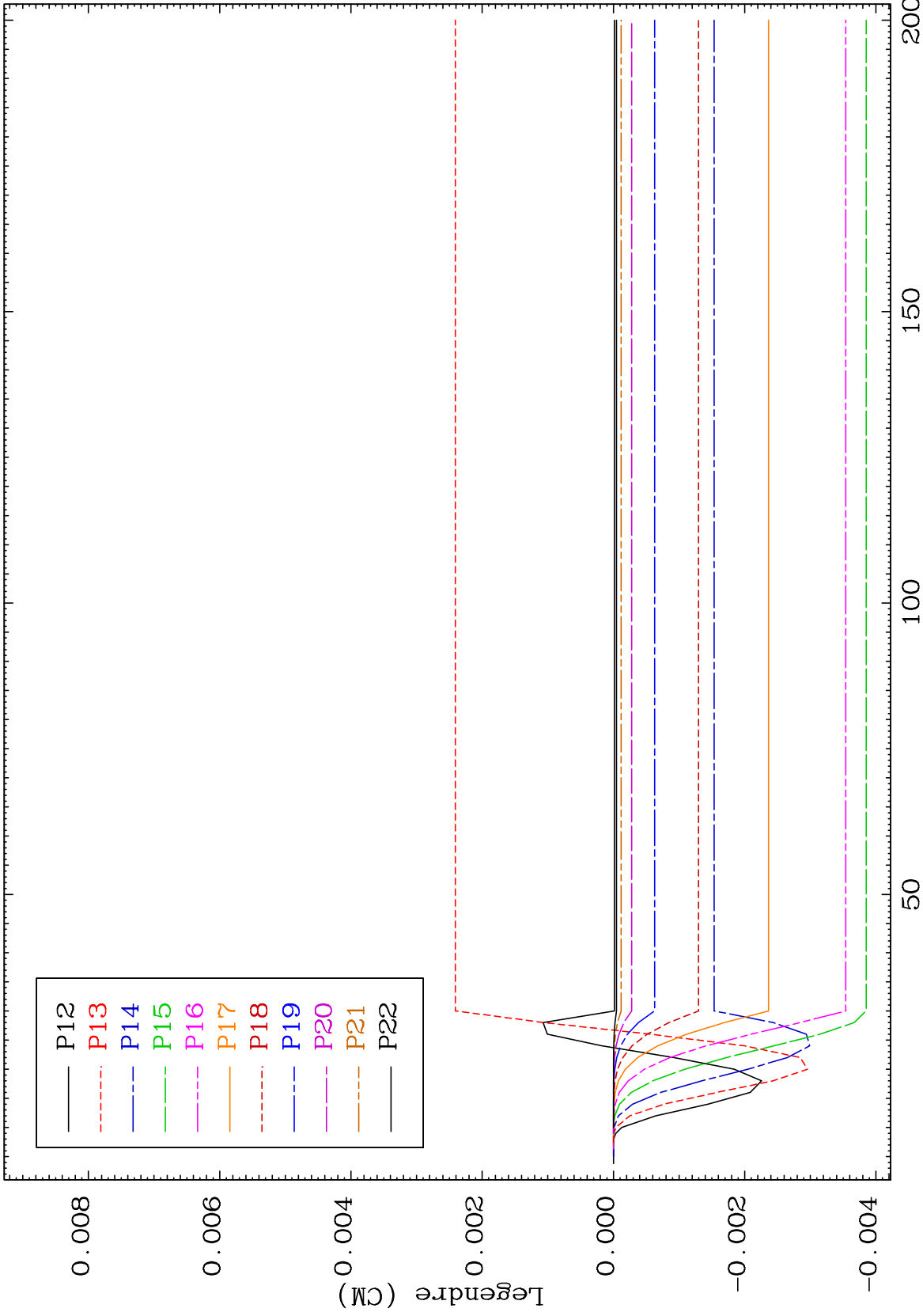
Incident Energy (MeV)

30-Zn-67

MAT 3034

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

30-Zn-67



95

Incident Energy (MeV)

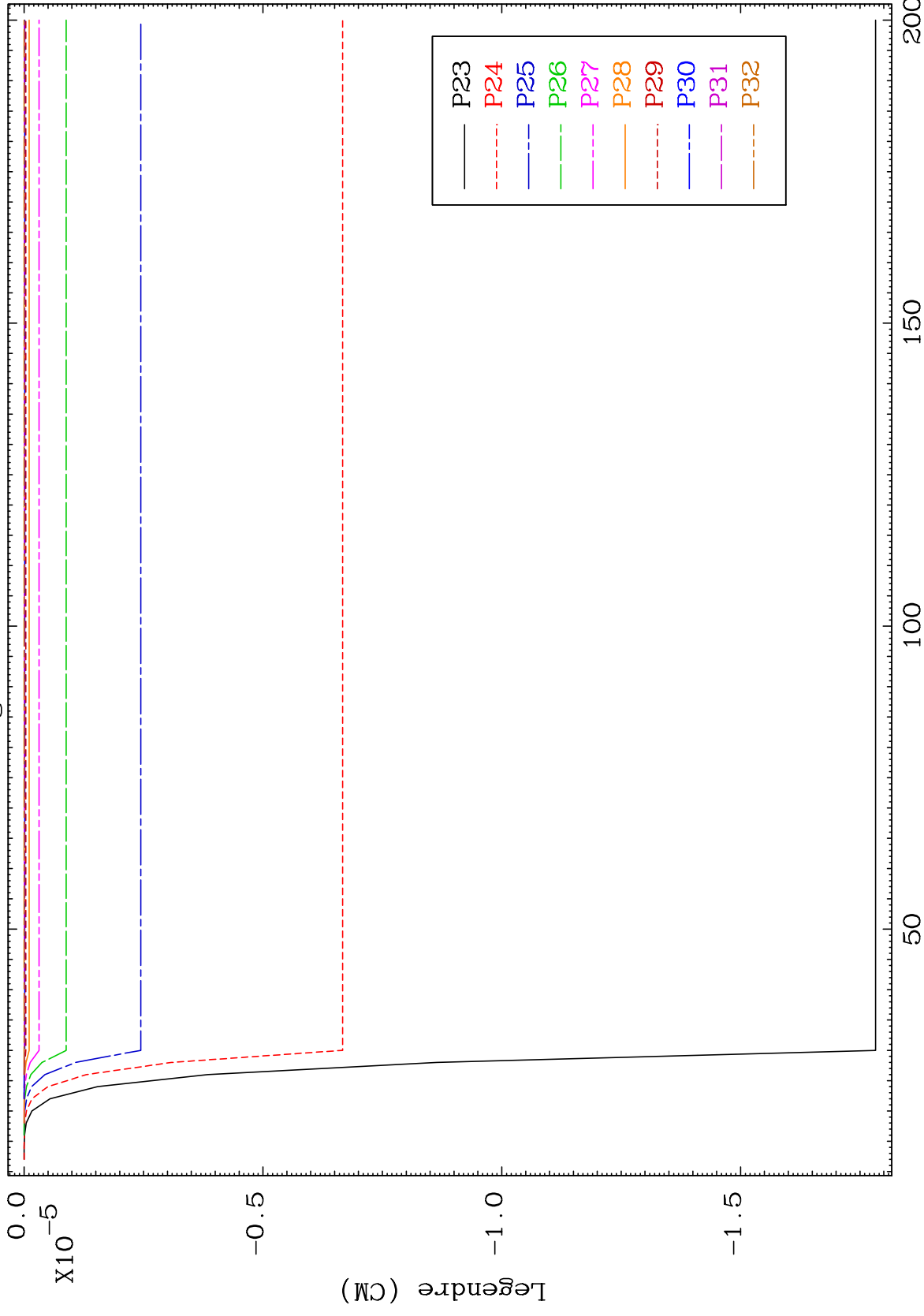
30-Zn-67



MAT 3034

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

30-Zn-67



30-Zn-67

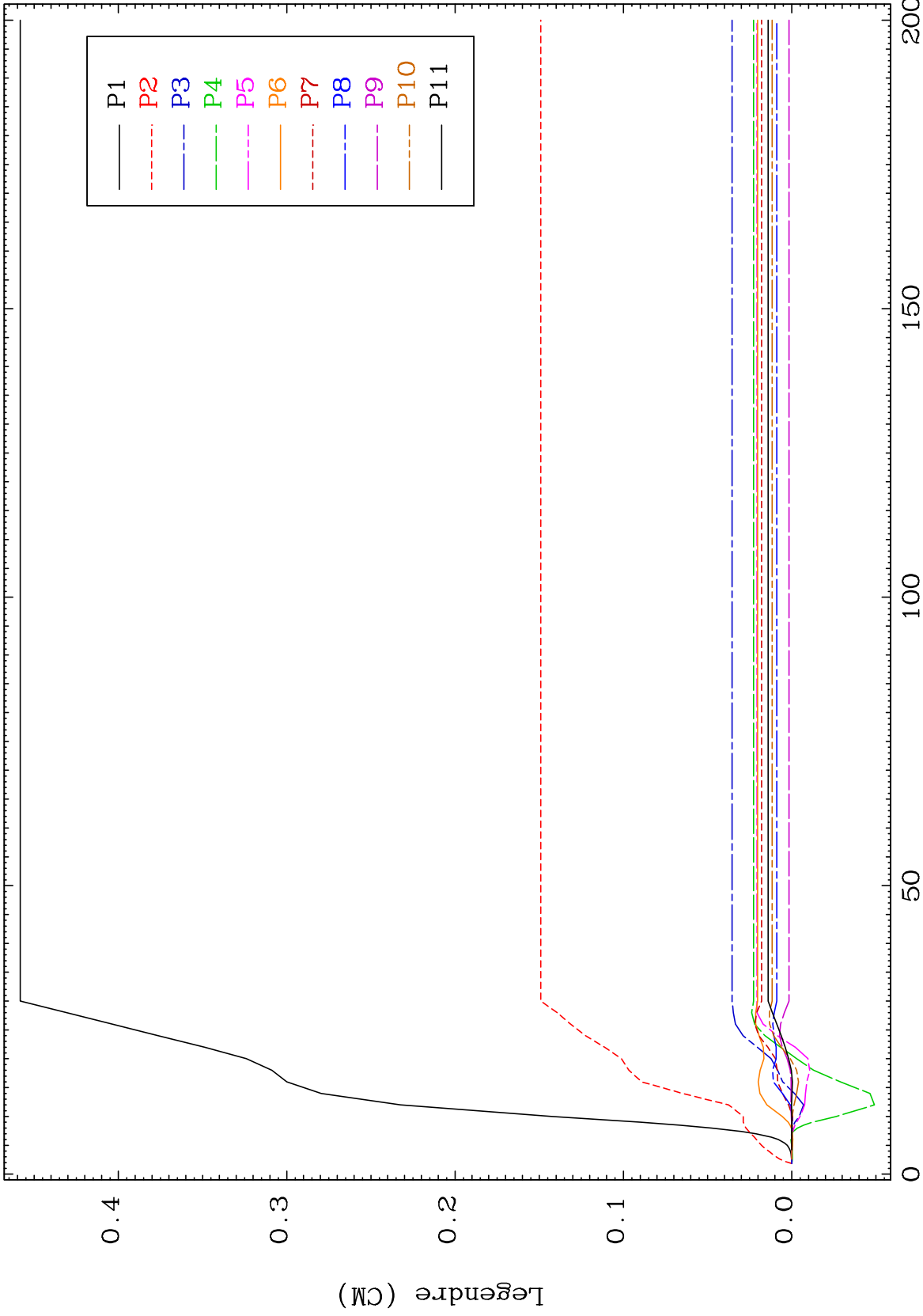
Incident Energy (MeV)

96

MAT 3034

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

30-Zn-67



97

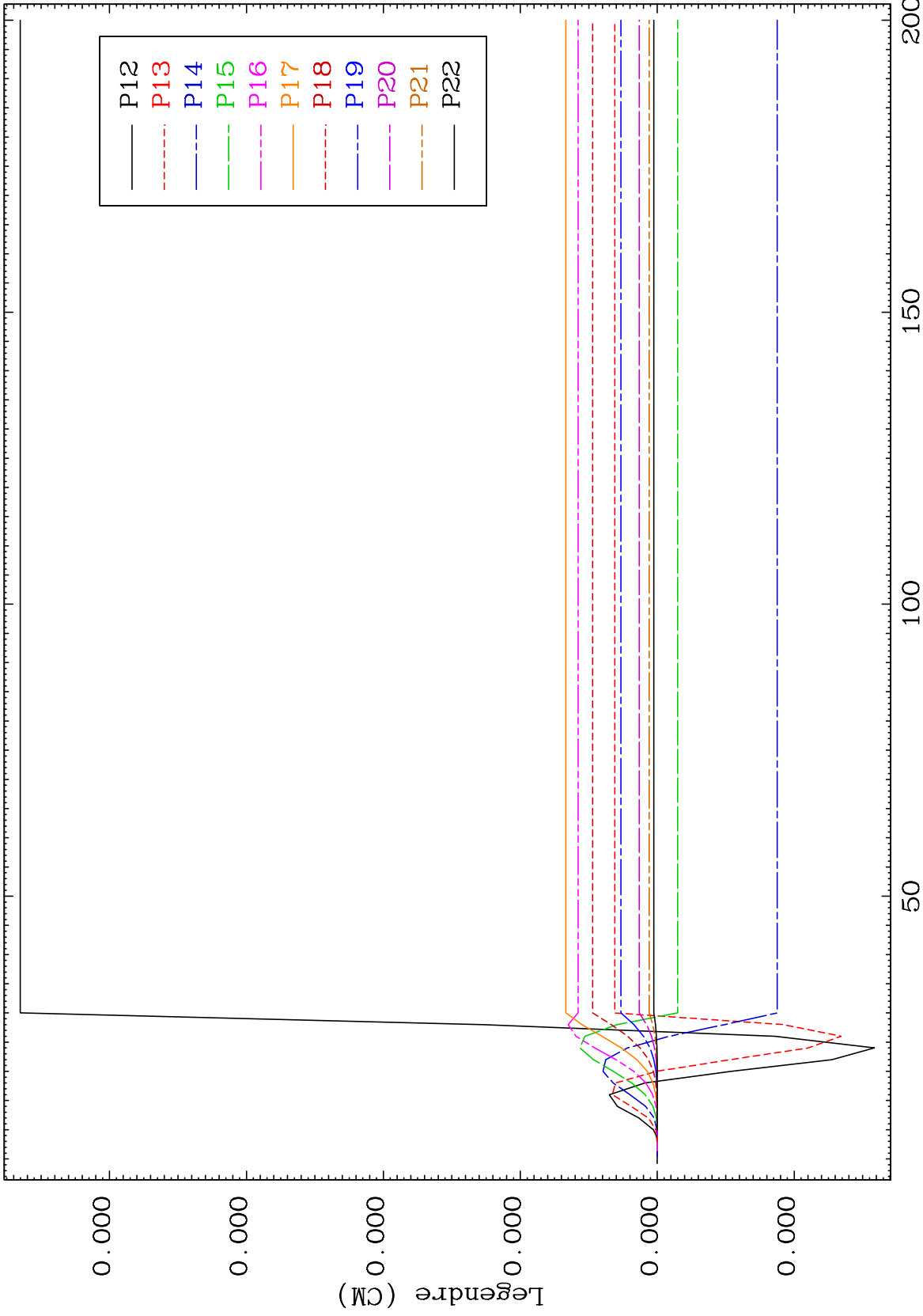
Incident Energy (MeV)

30-Zn-67

MAT 3034

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

30-Zn-67



98

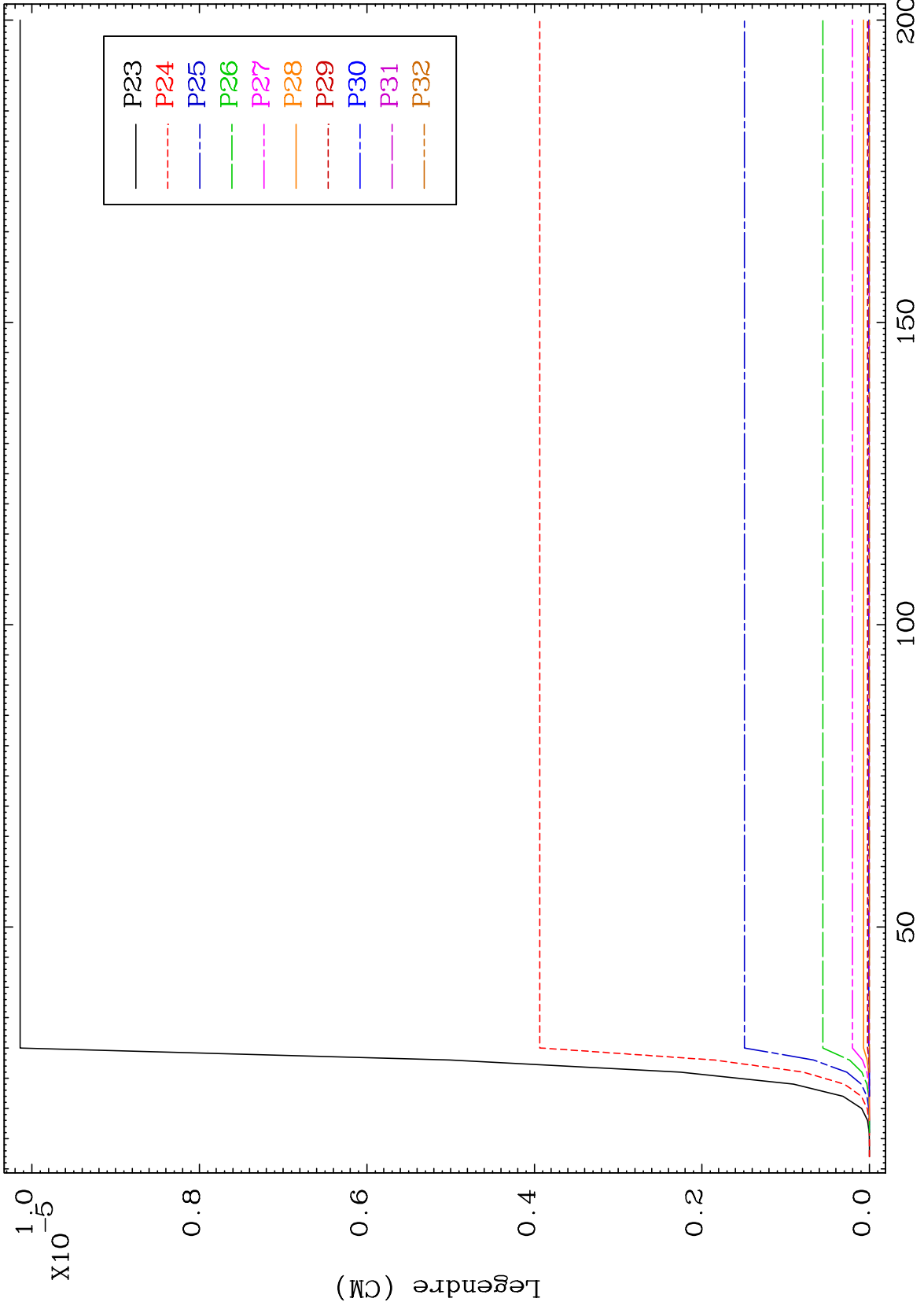
Incident Energy (MeV)

30-Zn-67

MAT 3034

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

30-Zn-67

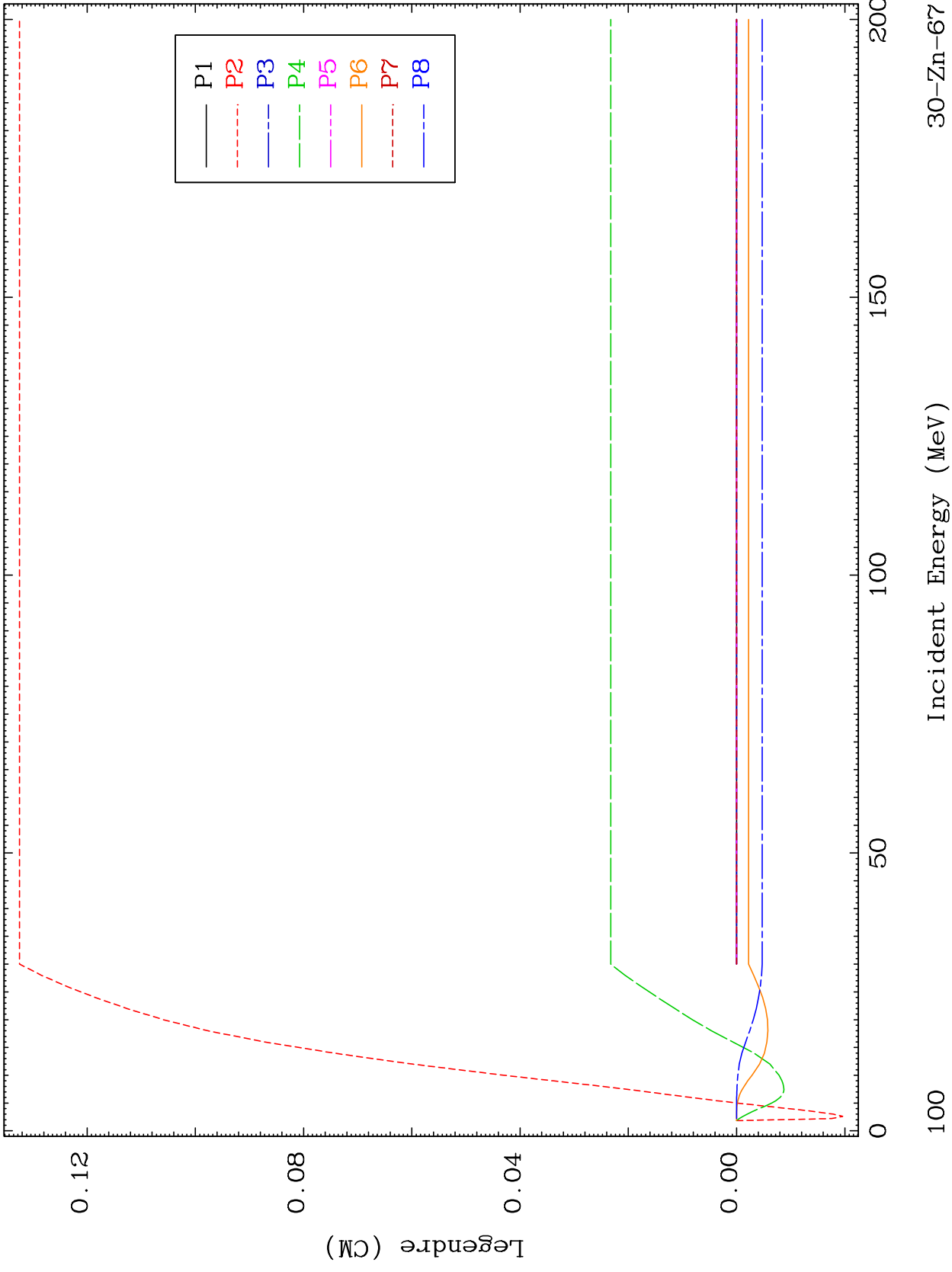


99

Incident Energy (MeV)

30-Zn-67

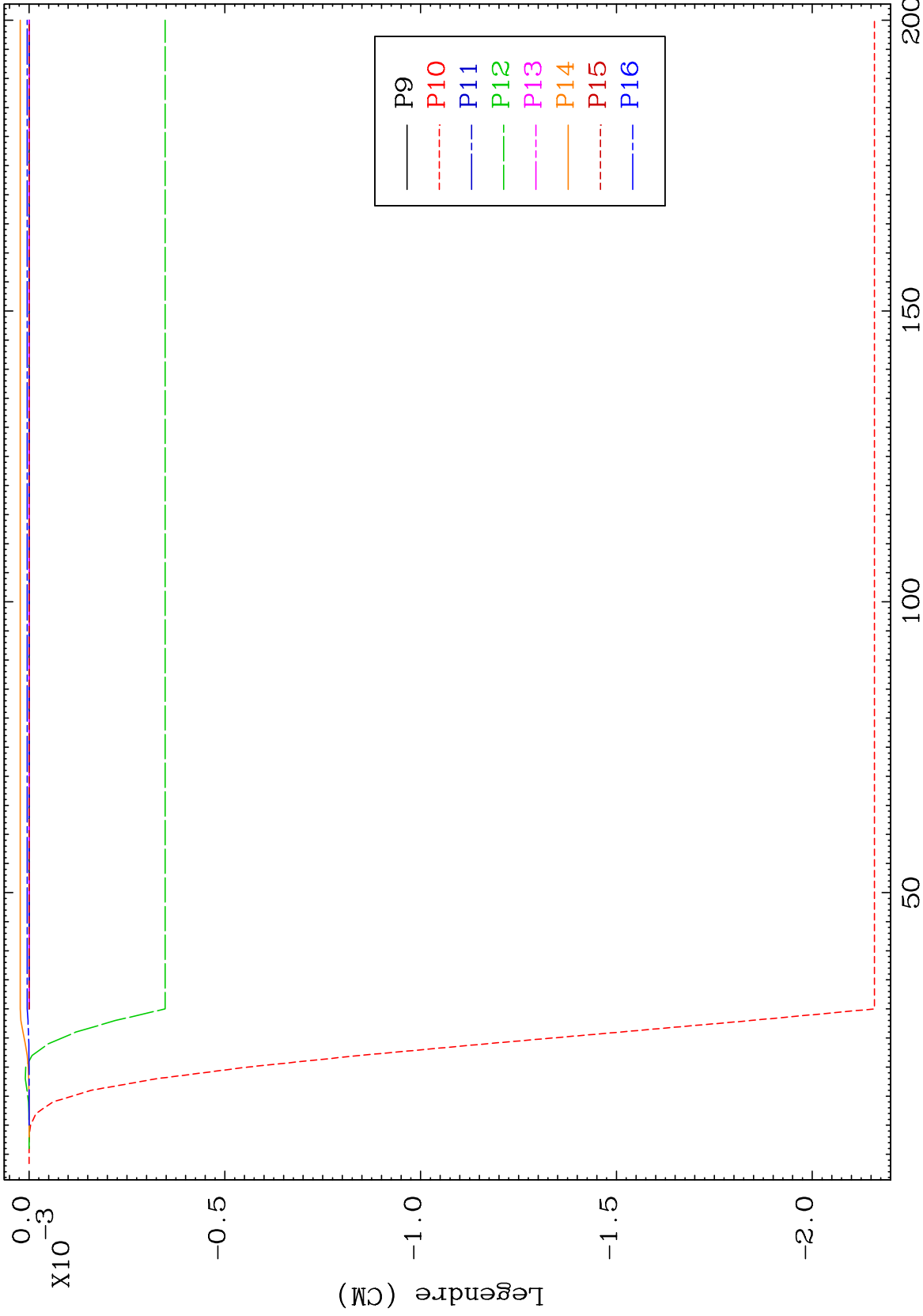
MAT 3034 MT= 77 (n,n') Level Legendre Coefficients 30-Zn-67



MAT 3034

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

30-Zn-67

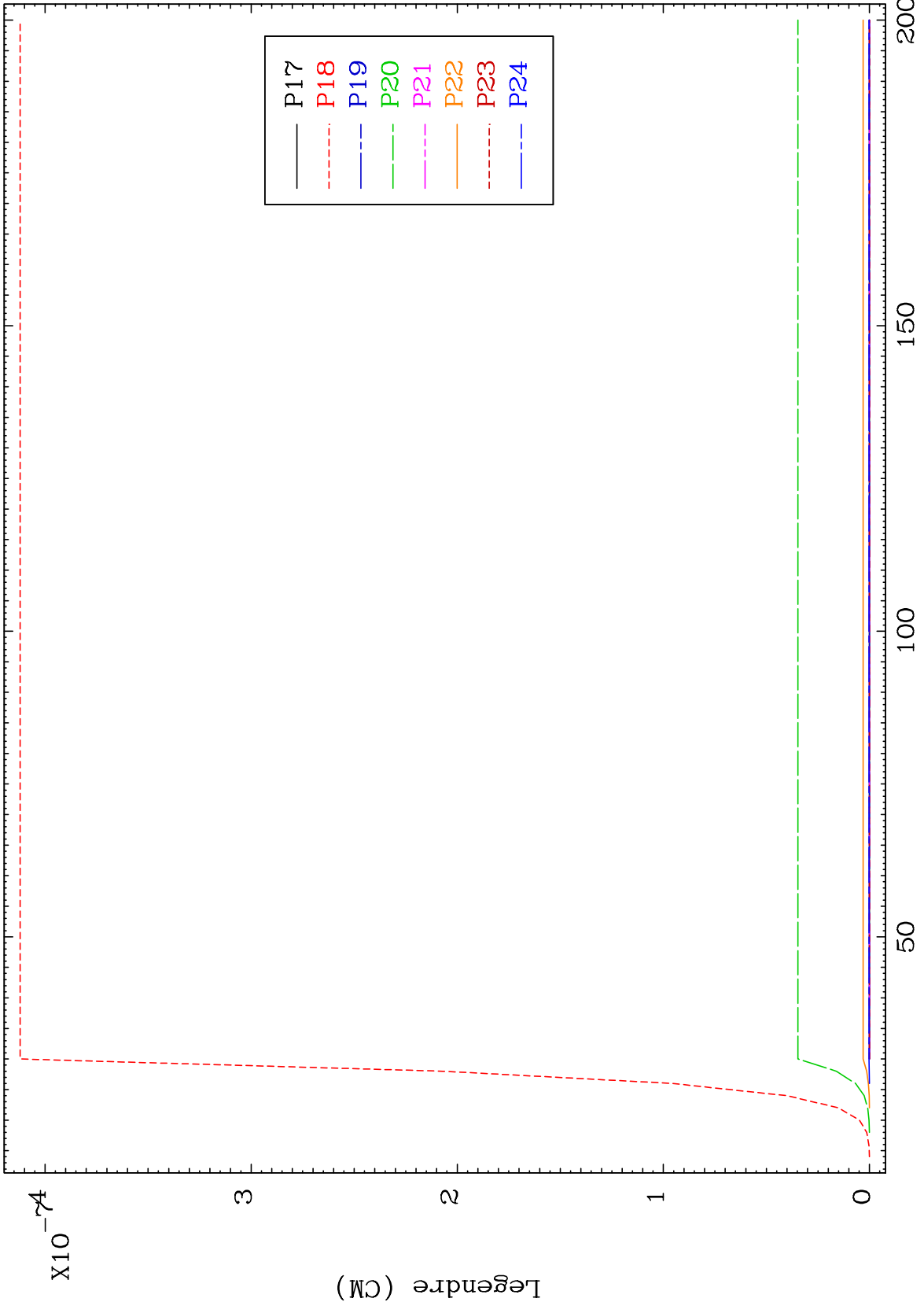


101

Incident Energy (MeV)

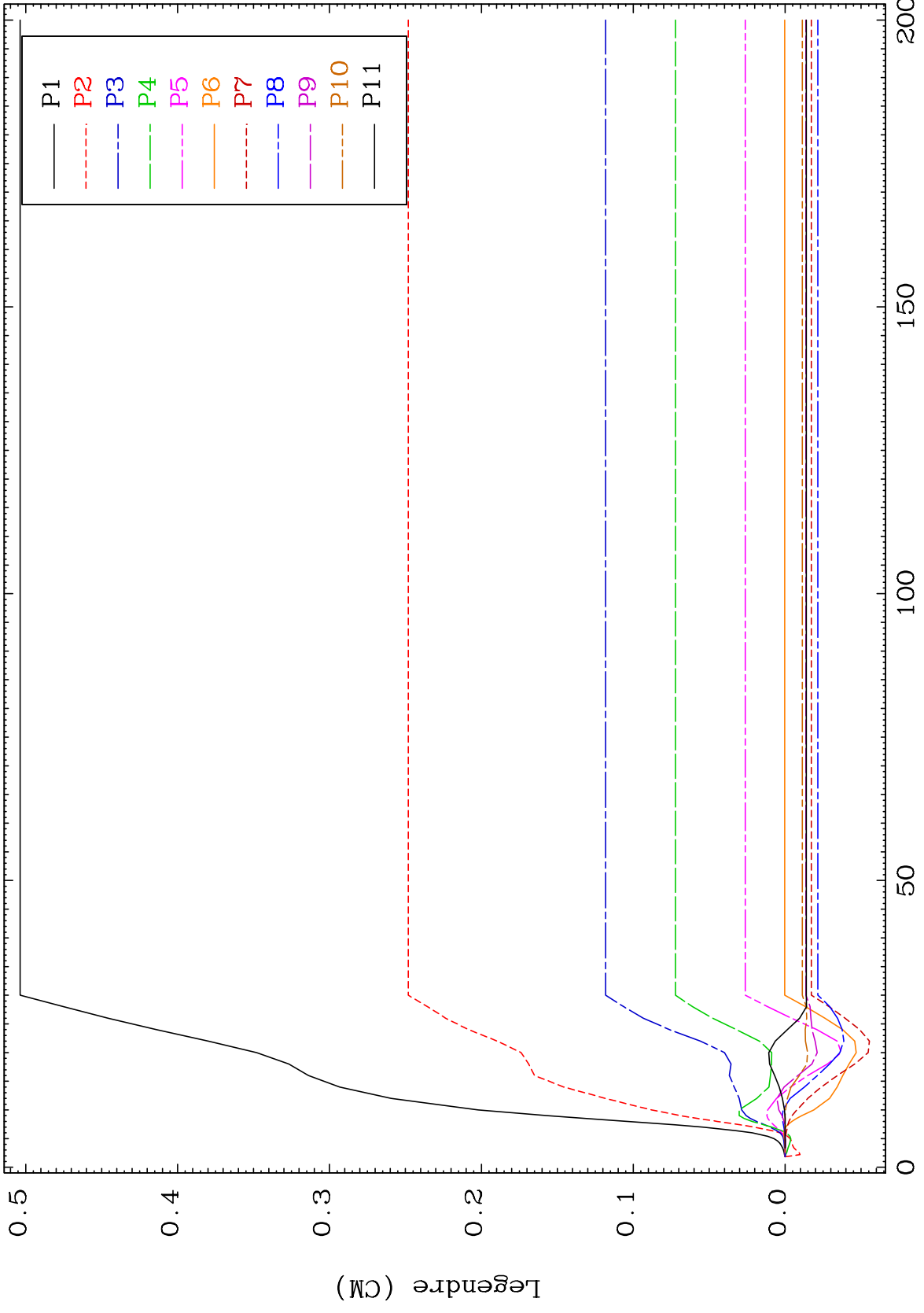
30-Zn-67

MAT 3034 MT= 77 (n,n') Level Legendre Coefficients 30-Zn-67



102 50 150 200 30-Zn-67

MAT 3034 MT= 78 (n,n') Level Legendre Coefficients 30-Zn-67



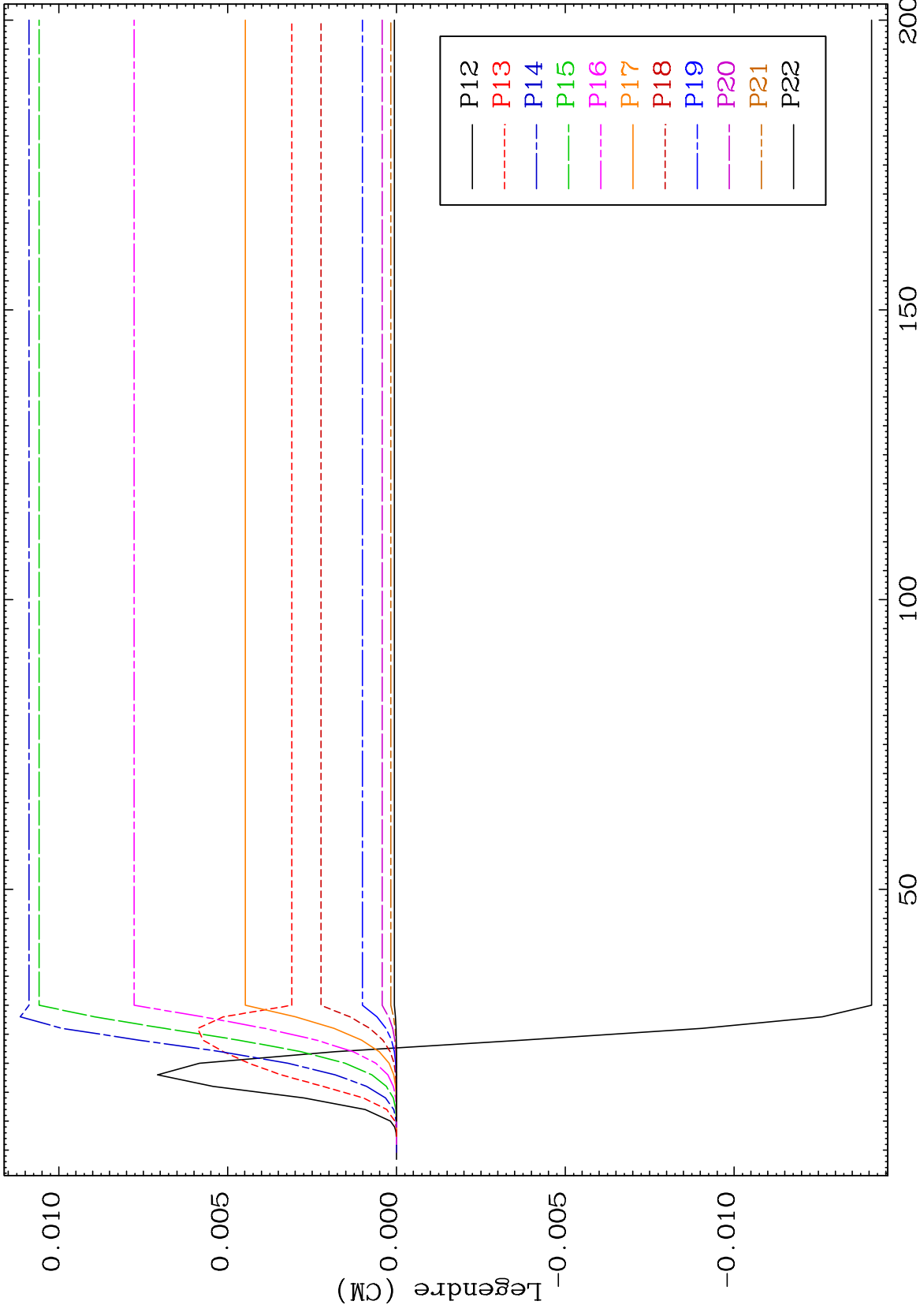
103 Incident Energy (MeV) 30-Zn-67



MAT 3034

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

30-Zn-67



104

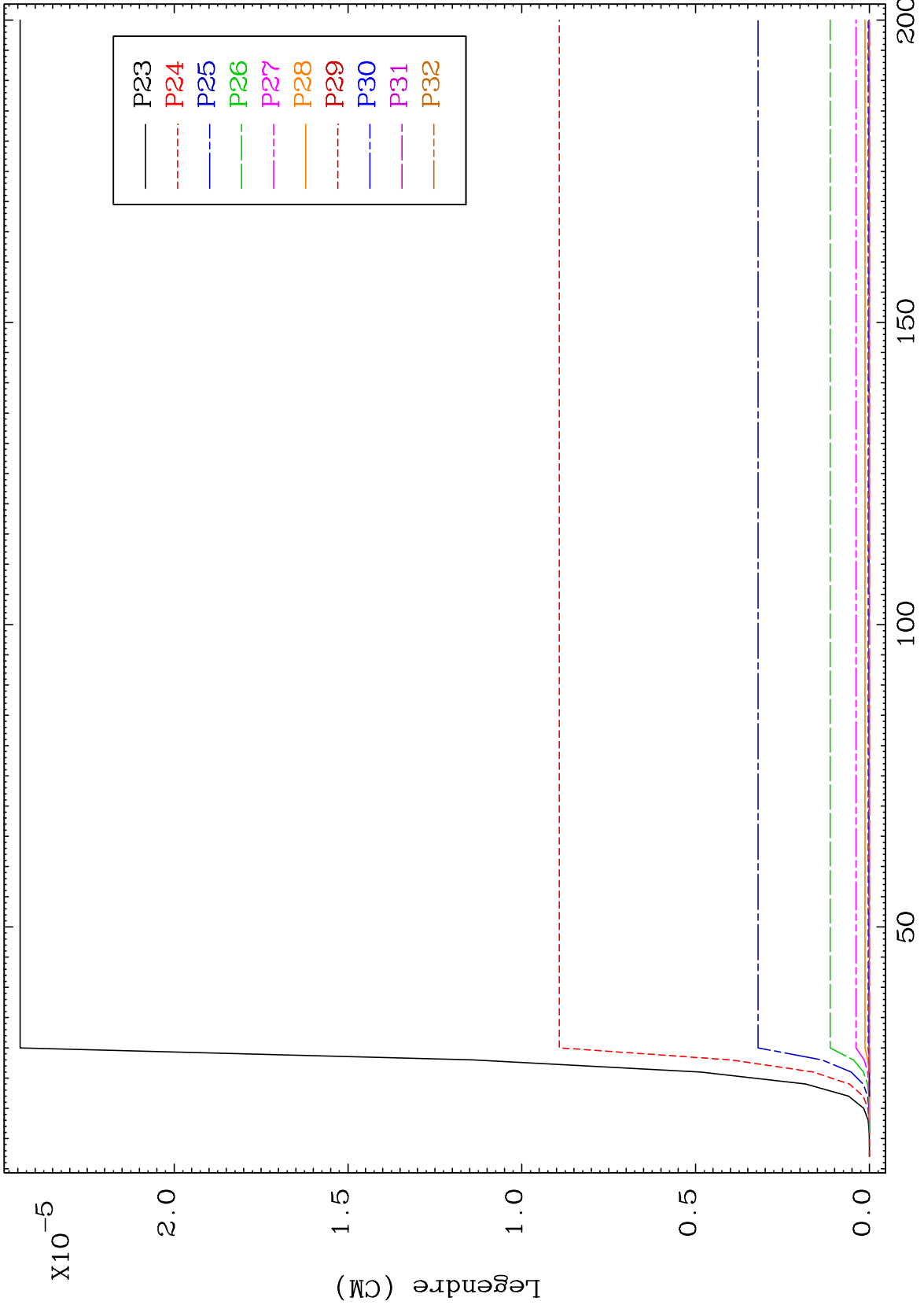
Incident Energy (MeV)

30-Zn-67

MAT 3034

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

30-Zn-67



105

50

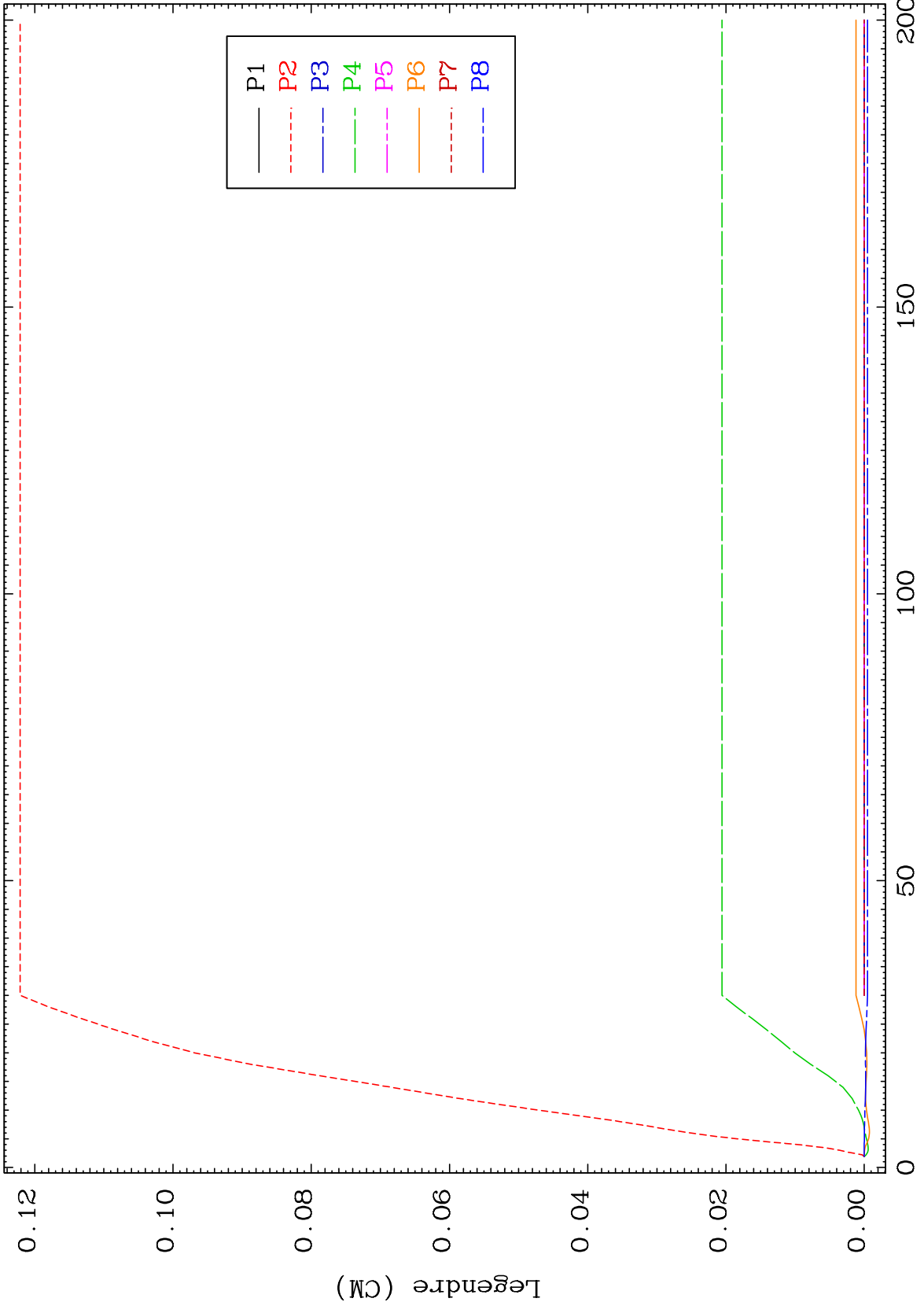
100

Incident Energy (MeV)

150

30-Zn-67

MAT 3034 MT= 79 (n,n') Level Legendre Coefficients 30-Zn-67

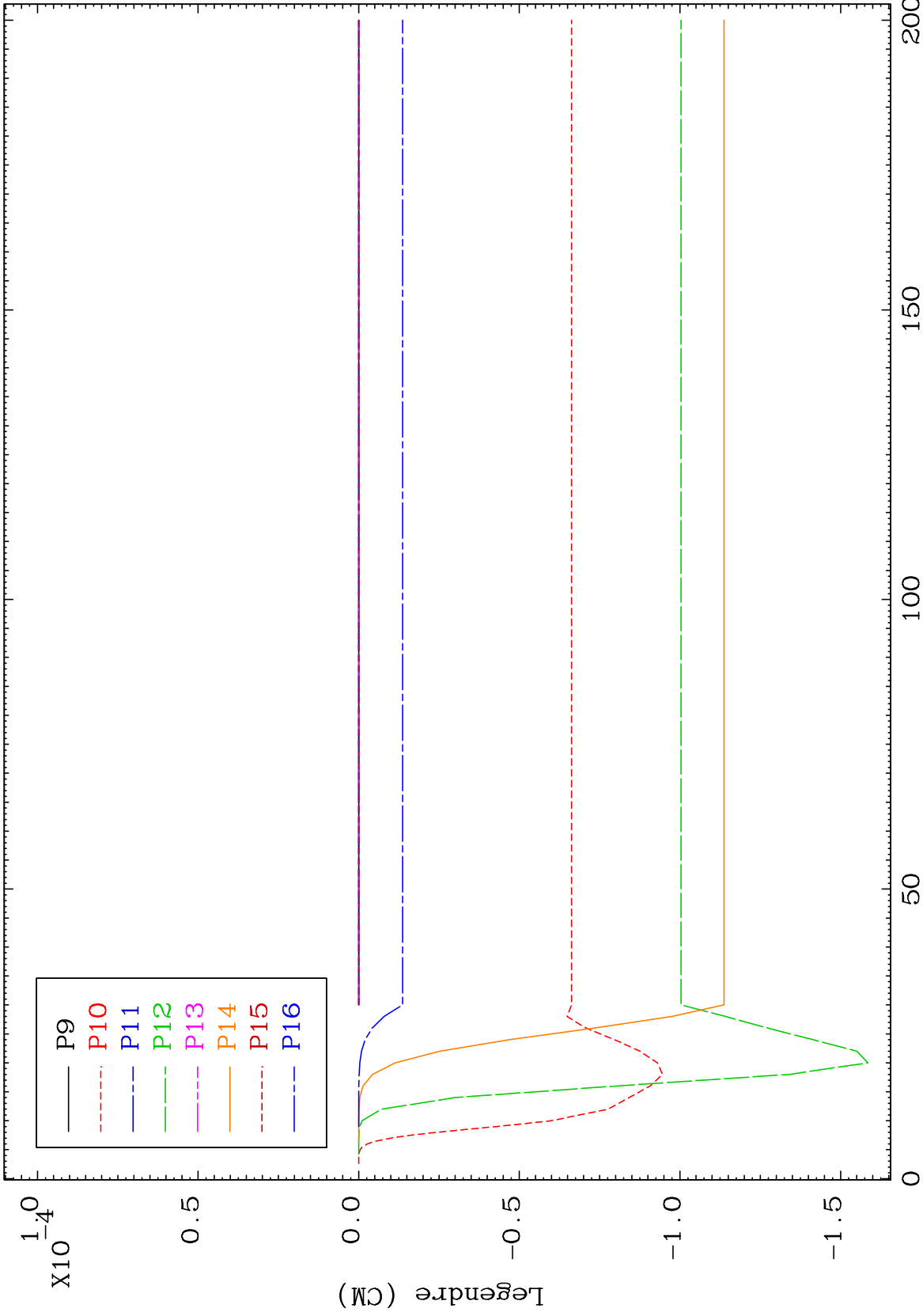


106 Incident Energy (MeV) 30-Zn-67

MAT 3034

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

30-Zn-67

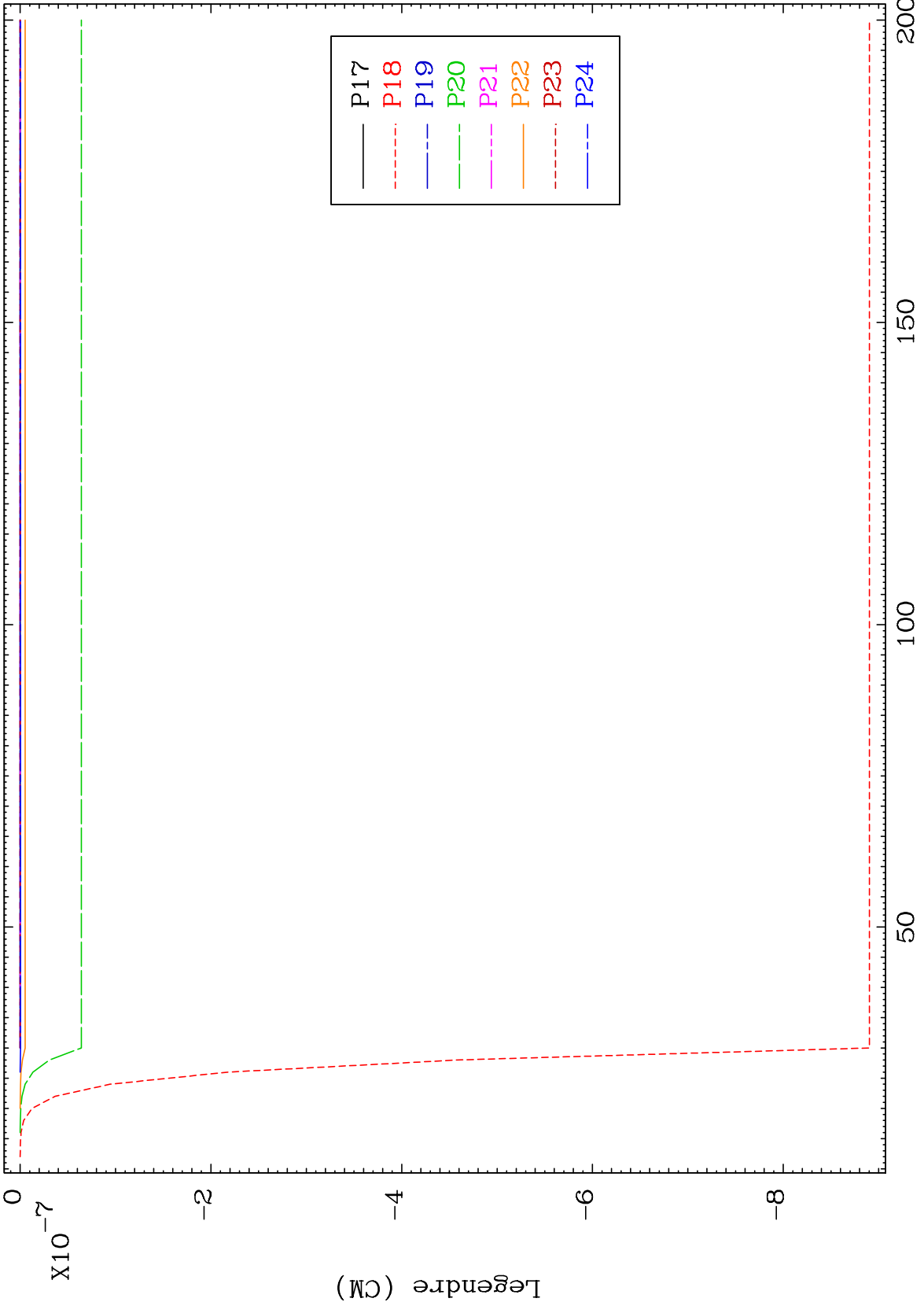


107

Incident Energy (MeV)

30-Zn-67

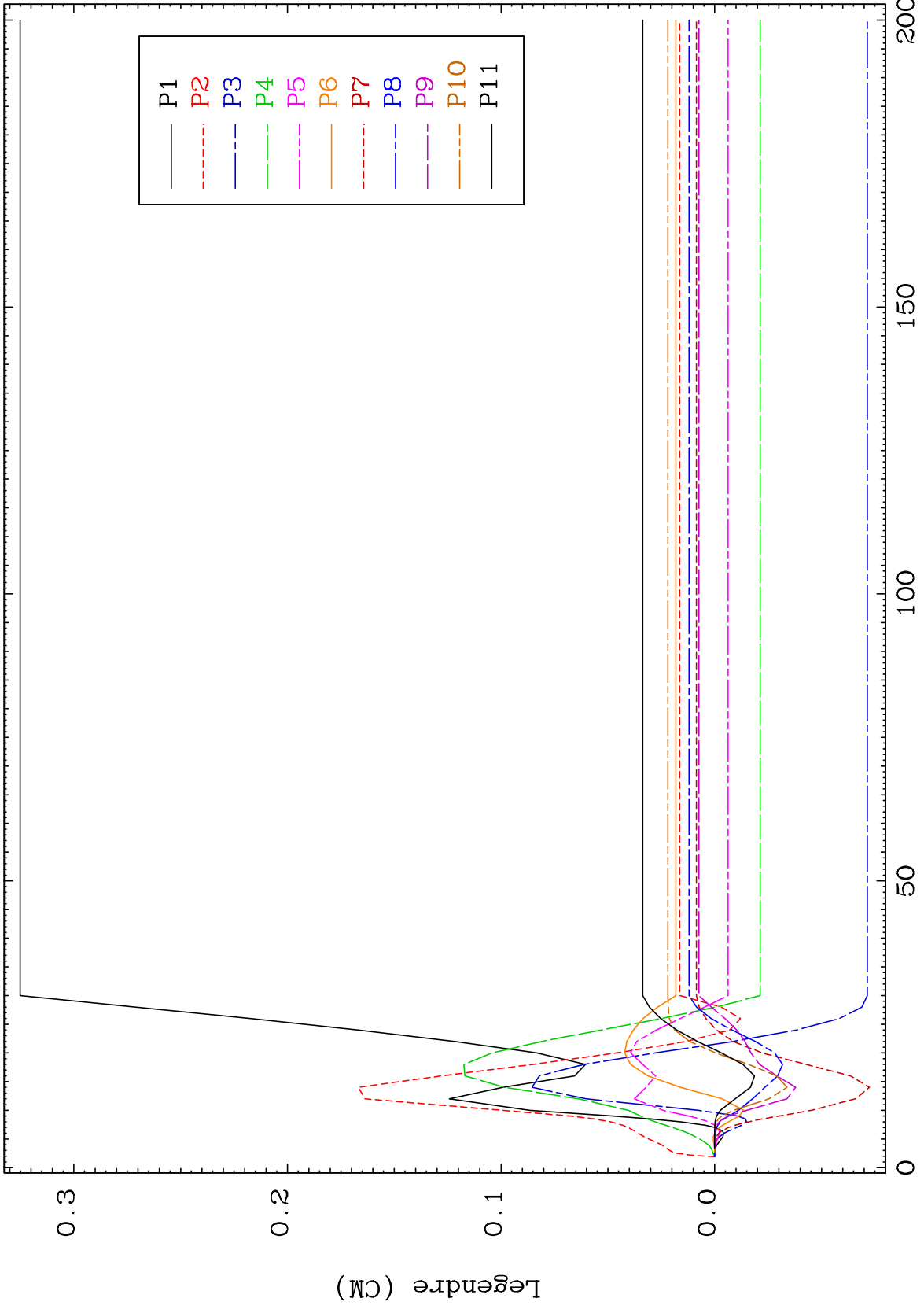
MAT 3034 MT= 79 (n,n') Level Legendre Coefficients 30-Zn-67



MAT 3034

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

30-Zn-67



30-Zn-67

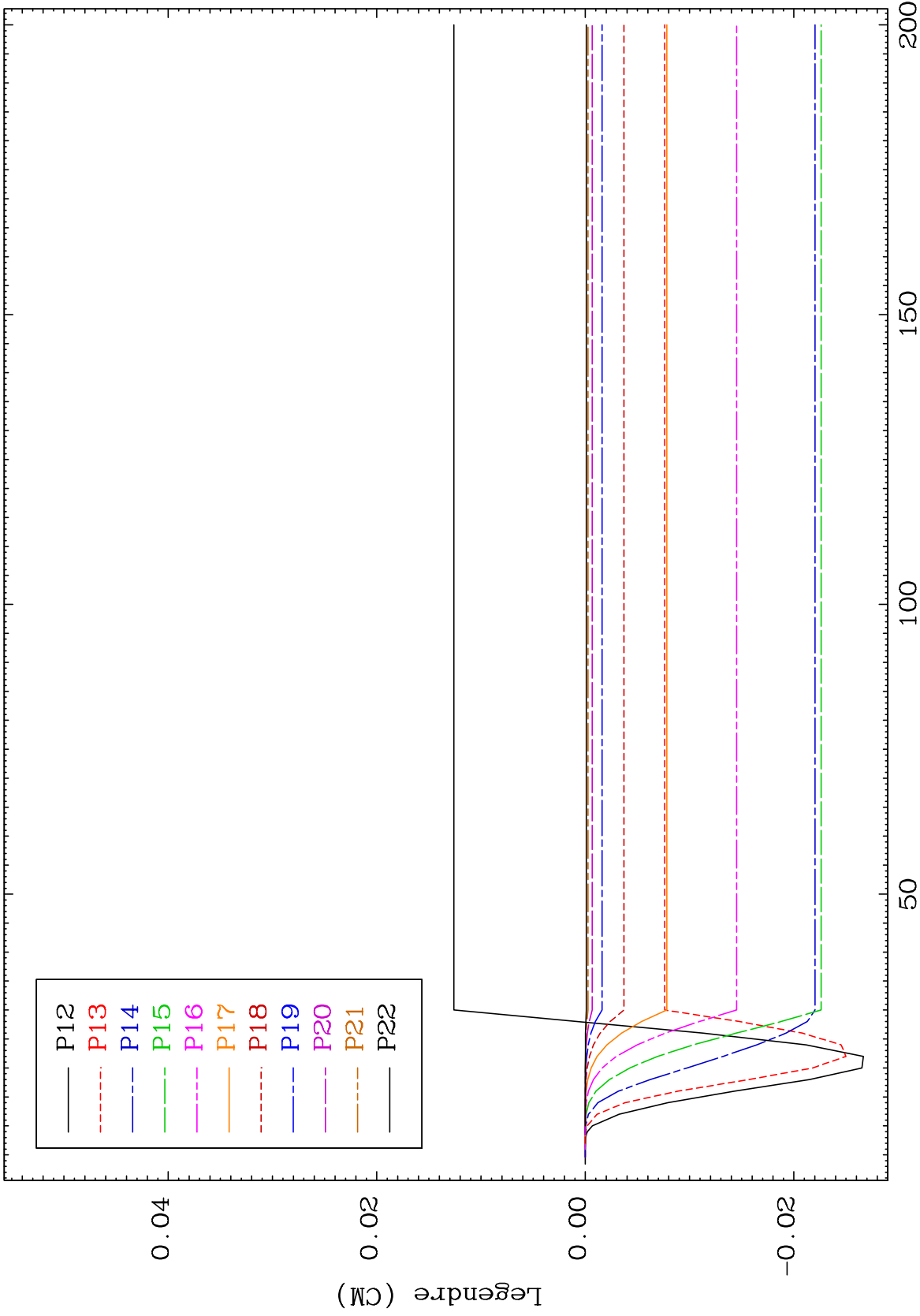
Incident Energy (MeV)

109

MAT 3034

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

30-Zn-67

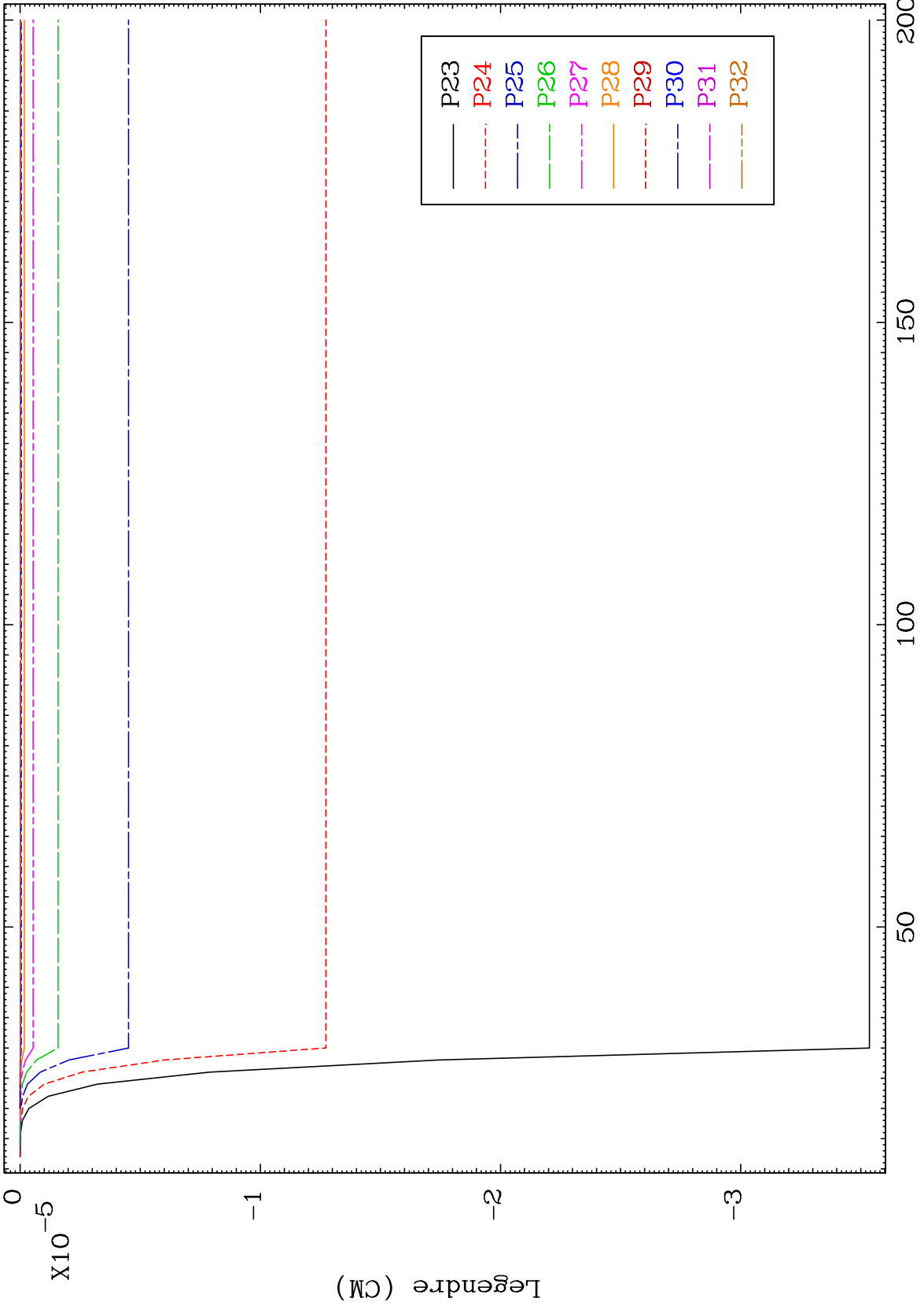


110

Incident Energy (MeV)

30-Zn-67

MAT 3034 MT= 80 (n,n') Level Legendre Coefficients 30-Zn-67



111 Incident Energy (MeV) 30-Zn-67

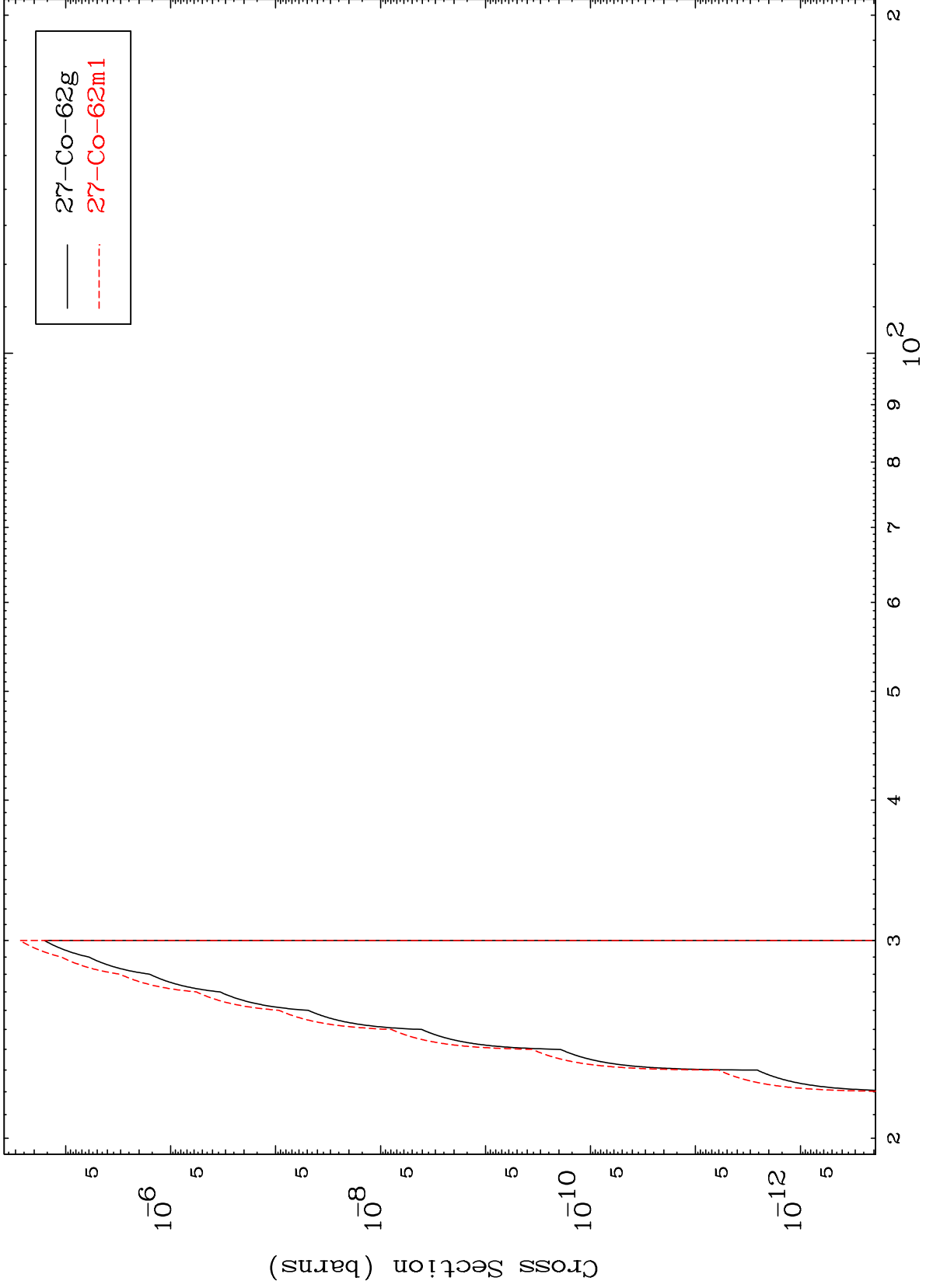


MAT 3034

(n,n') p  $\alpha$

30-Zn-67

Radionuclide Production Cross Section



112

Incident Energy (MeV)

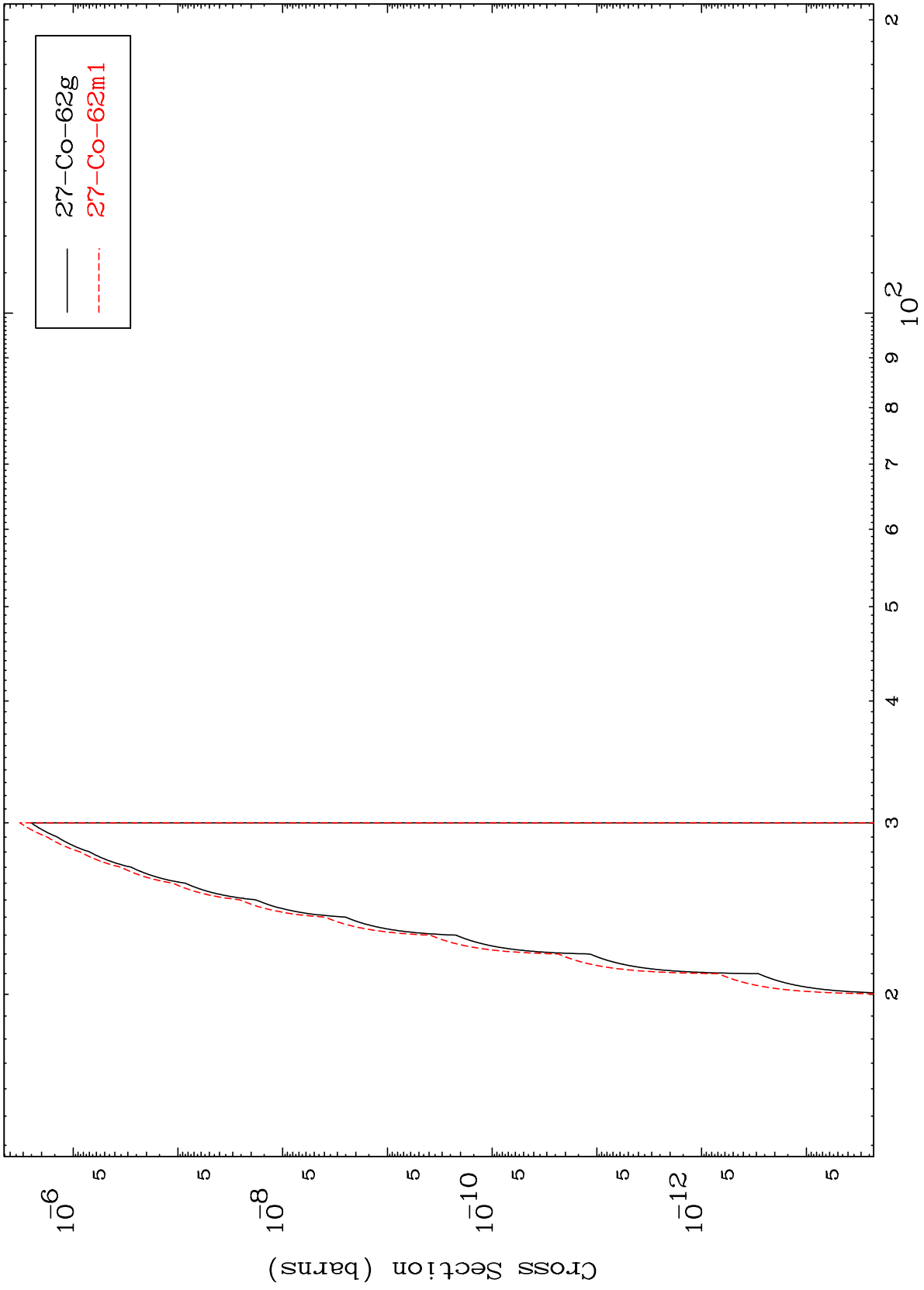
30-Zn-67

MAT 3034

(n,d)  $\alpha$

30-Zn-67

Radionuclide Production Cross Section



113

Incident Energy (MeV)

30-Zn-67