

Program EVALPLOT
(Version 2018-1)

by

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(Present Contact Information)

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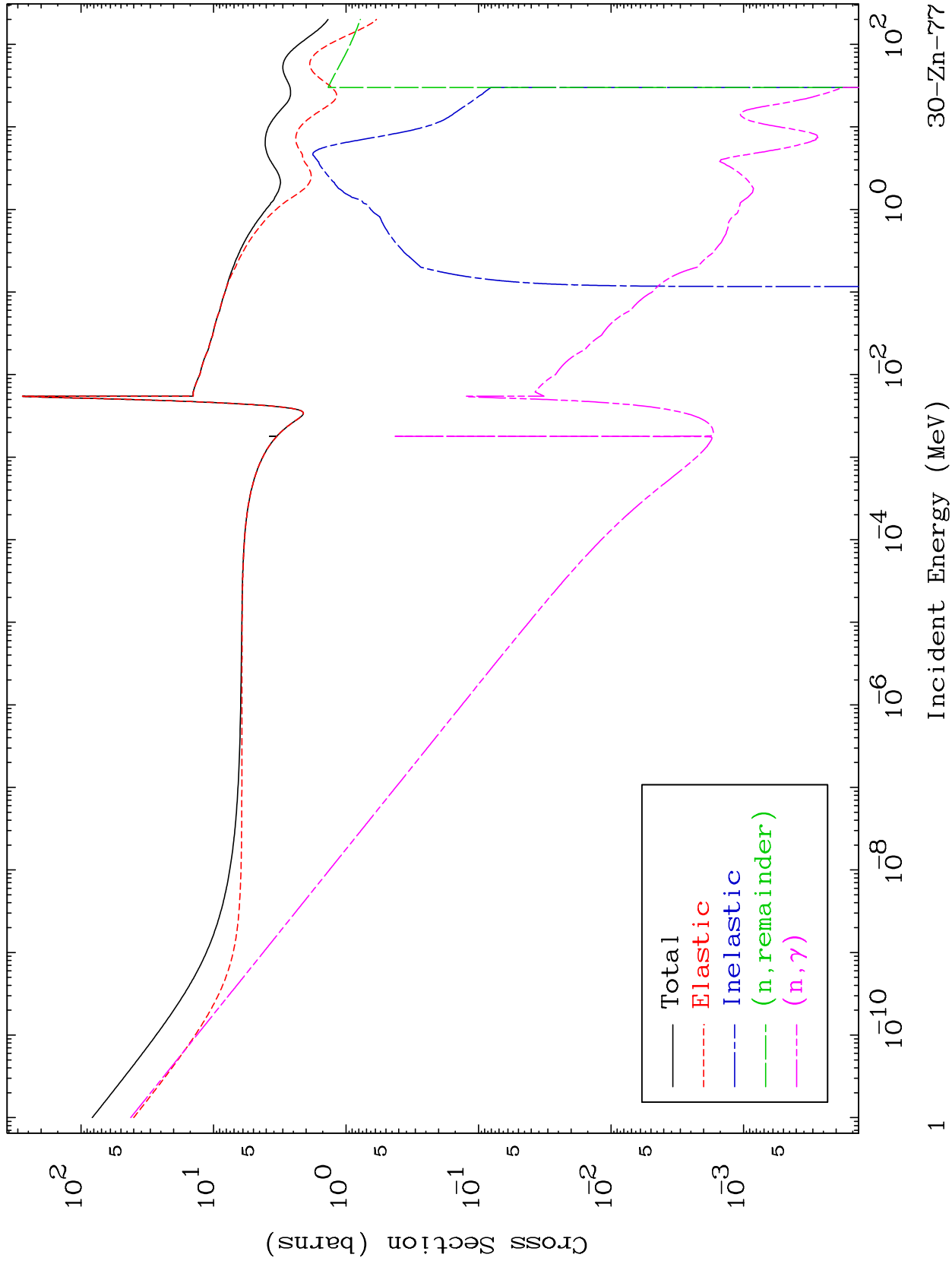
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3064

Major
293 Kelvin Cross Sections

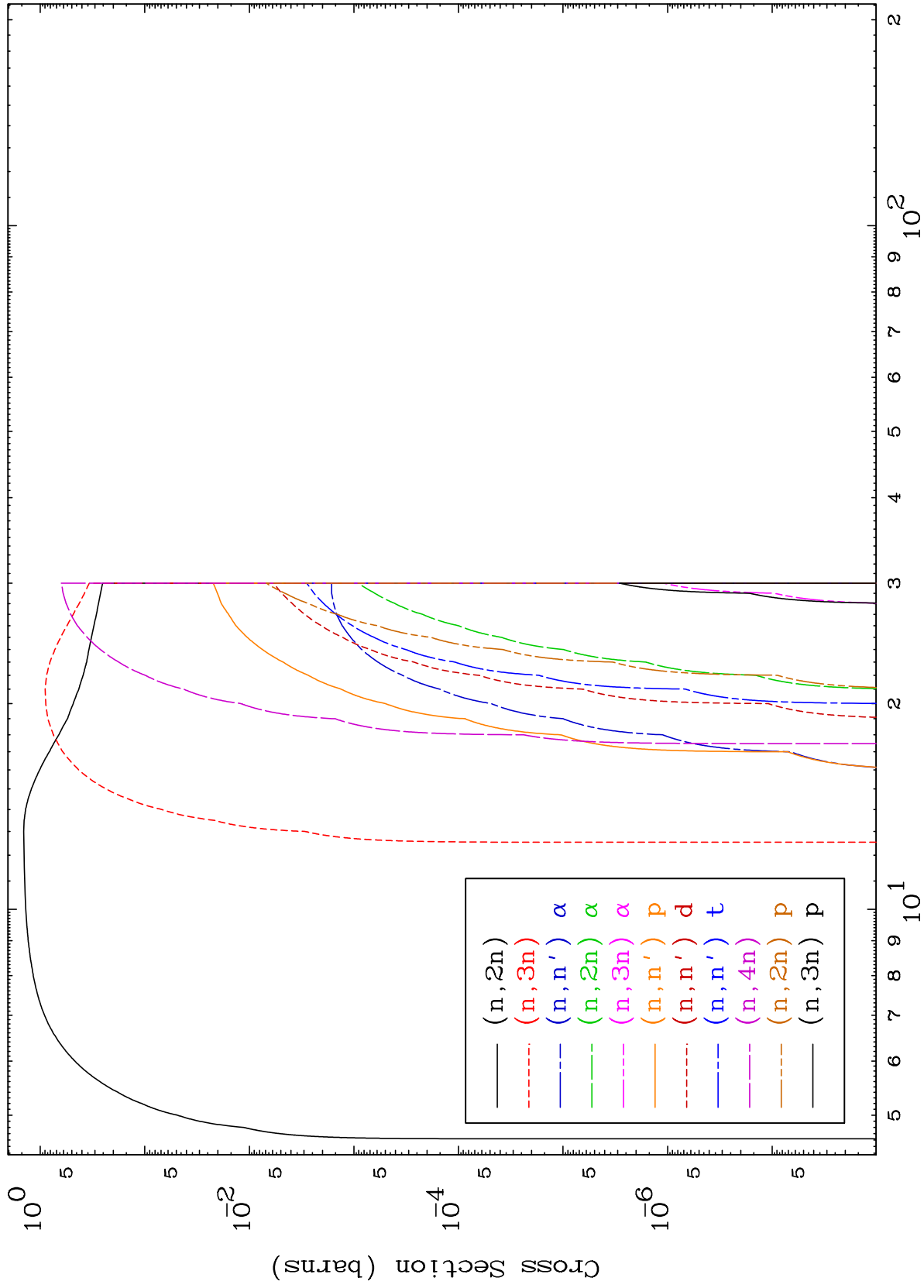
30-Zn-77



MAT 3064

Neutron Production
293 Kelvin Cross Sections

30-Zn-77



2

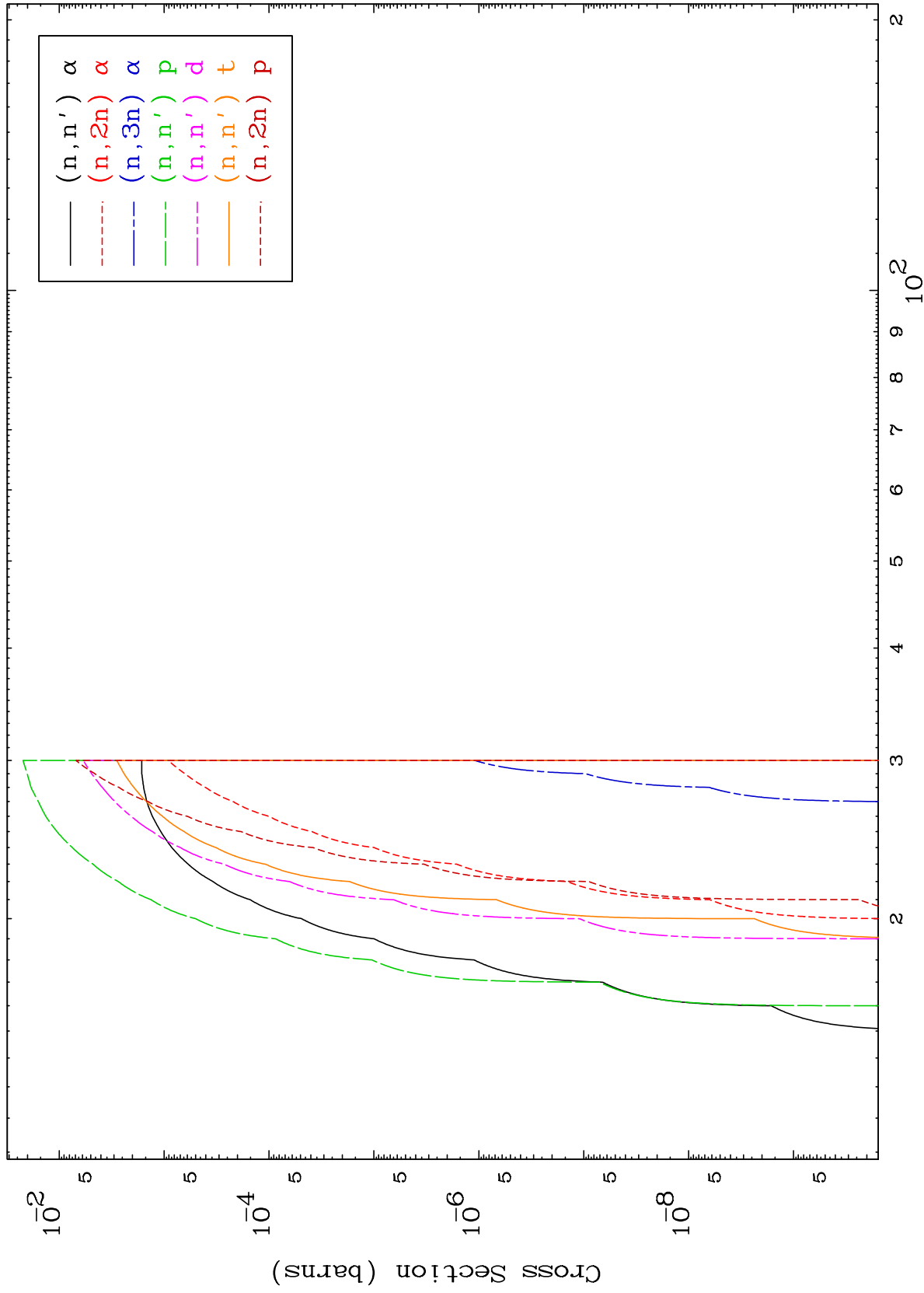
Incident Energy (MeV)

30-Zn-77

MAT 3064

Charged Particle
293 Kelvin Cross Sections

30-Zn-77



3

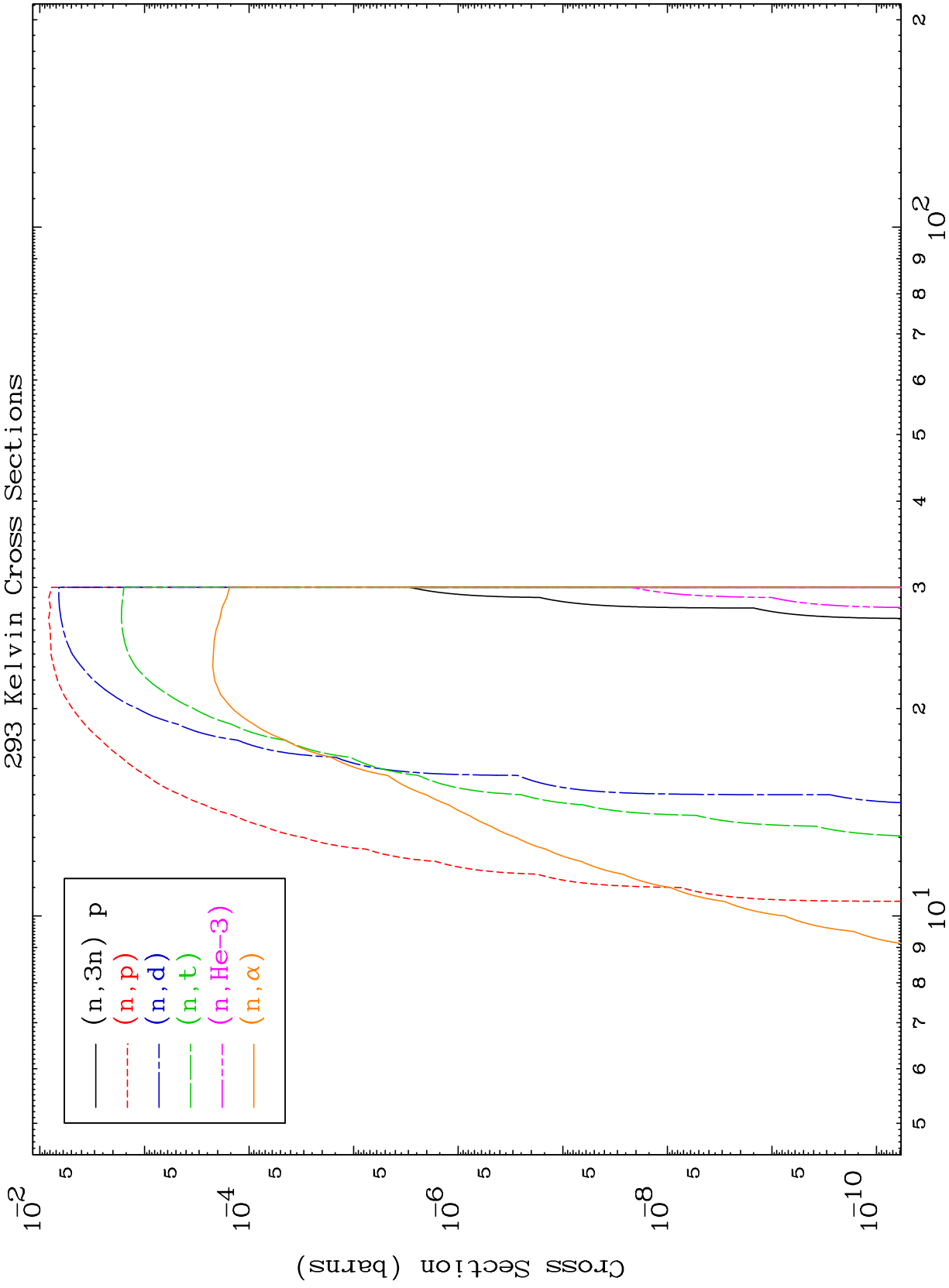
Incident Energy (MeV)

30-Zn-77

MAT 3064

Charged Particle
293 Kelvin Cross Sections

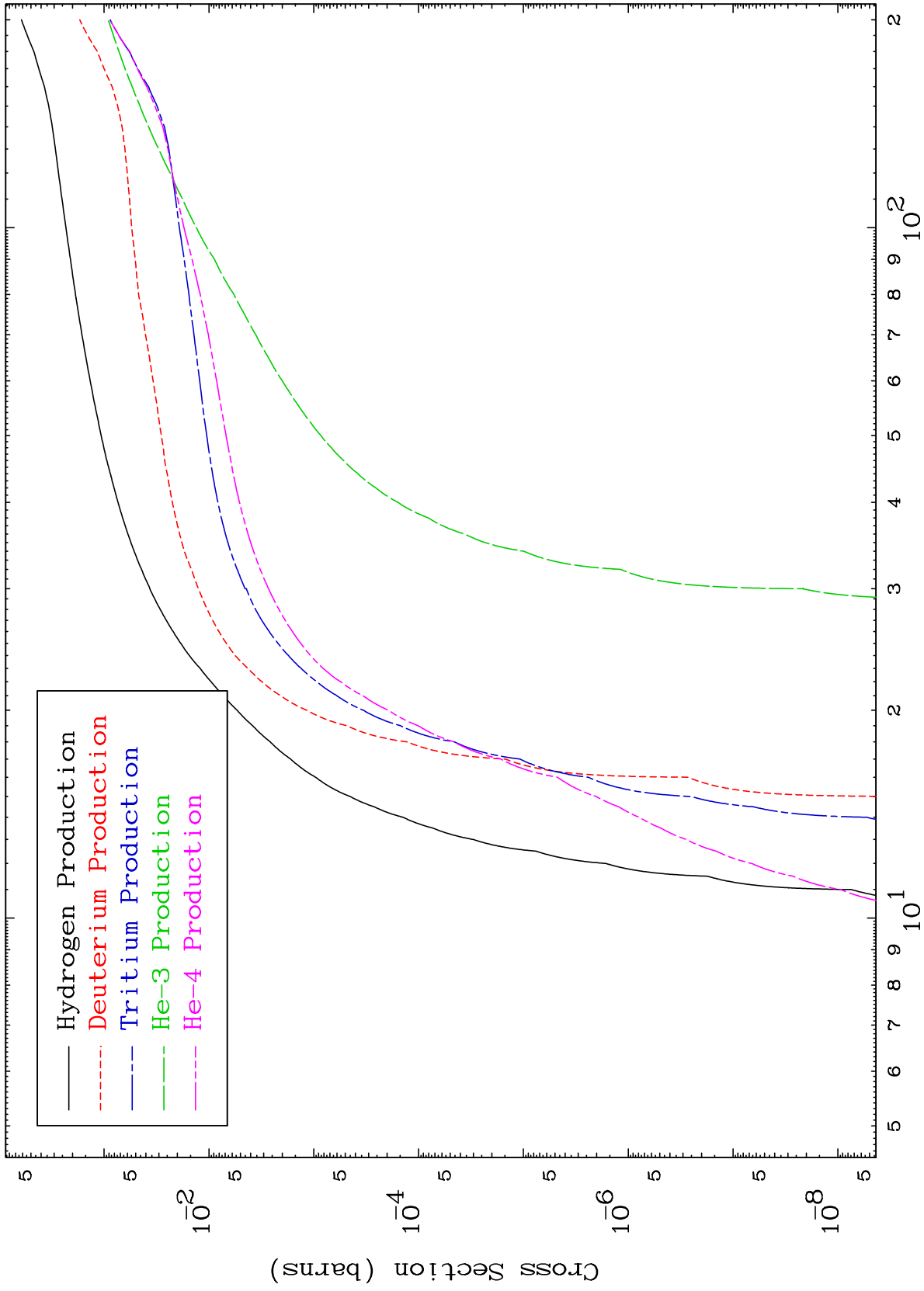
30-Zn-77



MAT 3064

Particle Production
293 Kelvin Cross Sections

30-Zn-77



5

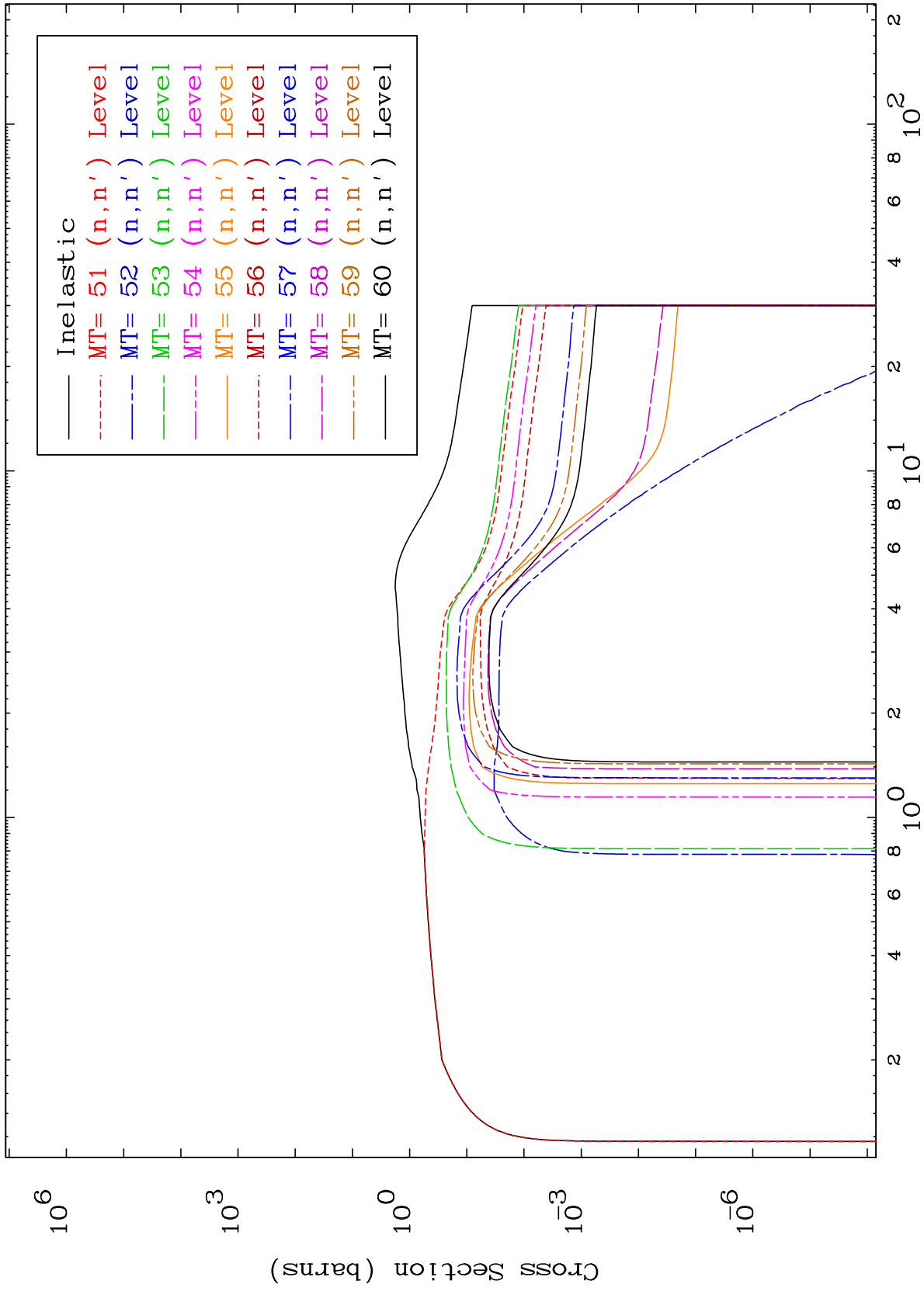
Incident Energy (MeV)

30-Zn-77

MAT 3064

(n,n') Level
293 Kelvin Cross Sections

30-Zn-77

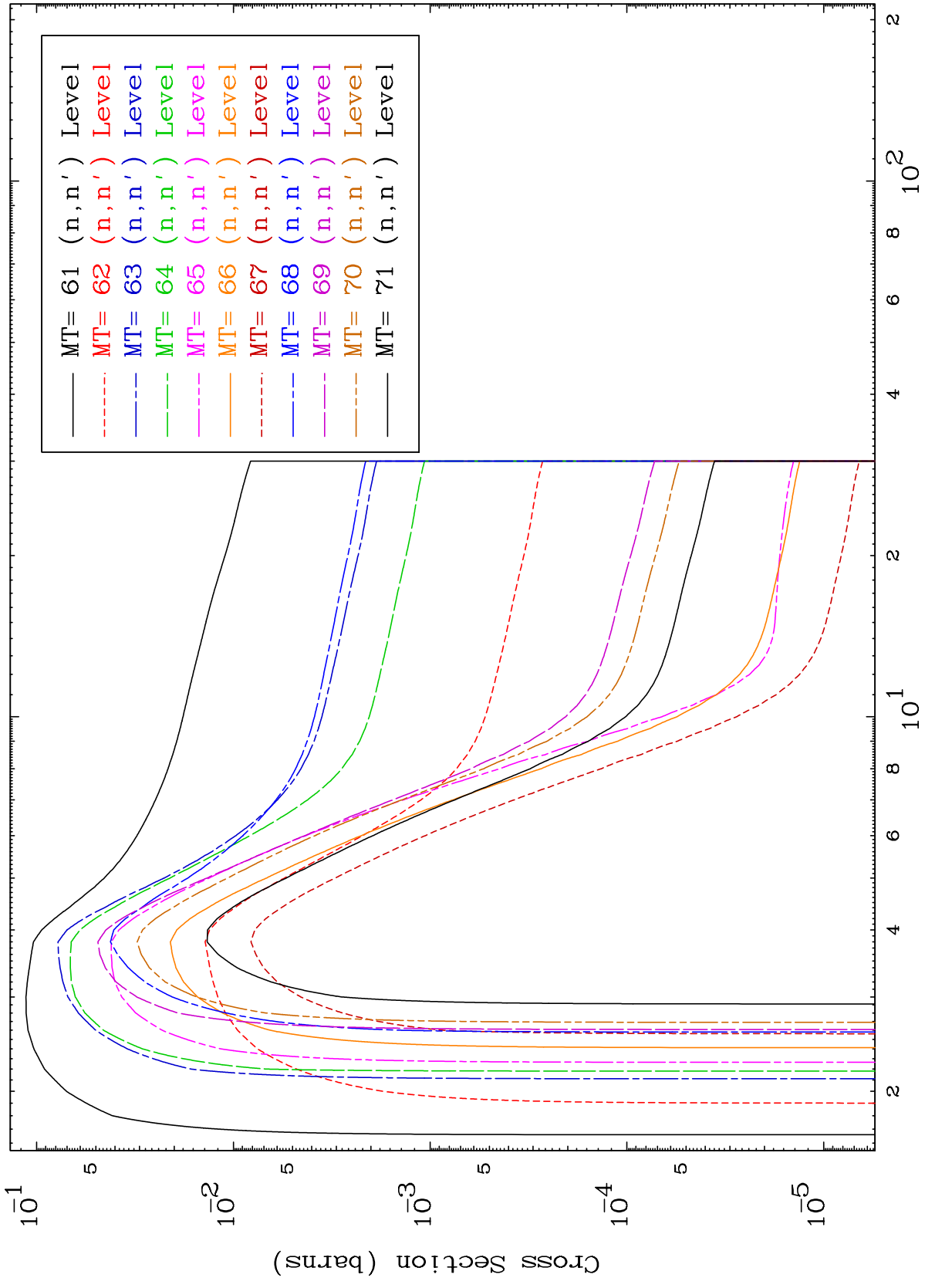


MAT 3064

(n,n') Level

30-Zn-77

293 Kelvin Cross Sections



7

Incident Energy (MeV)

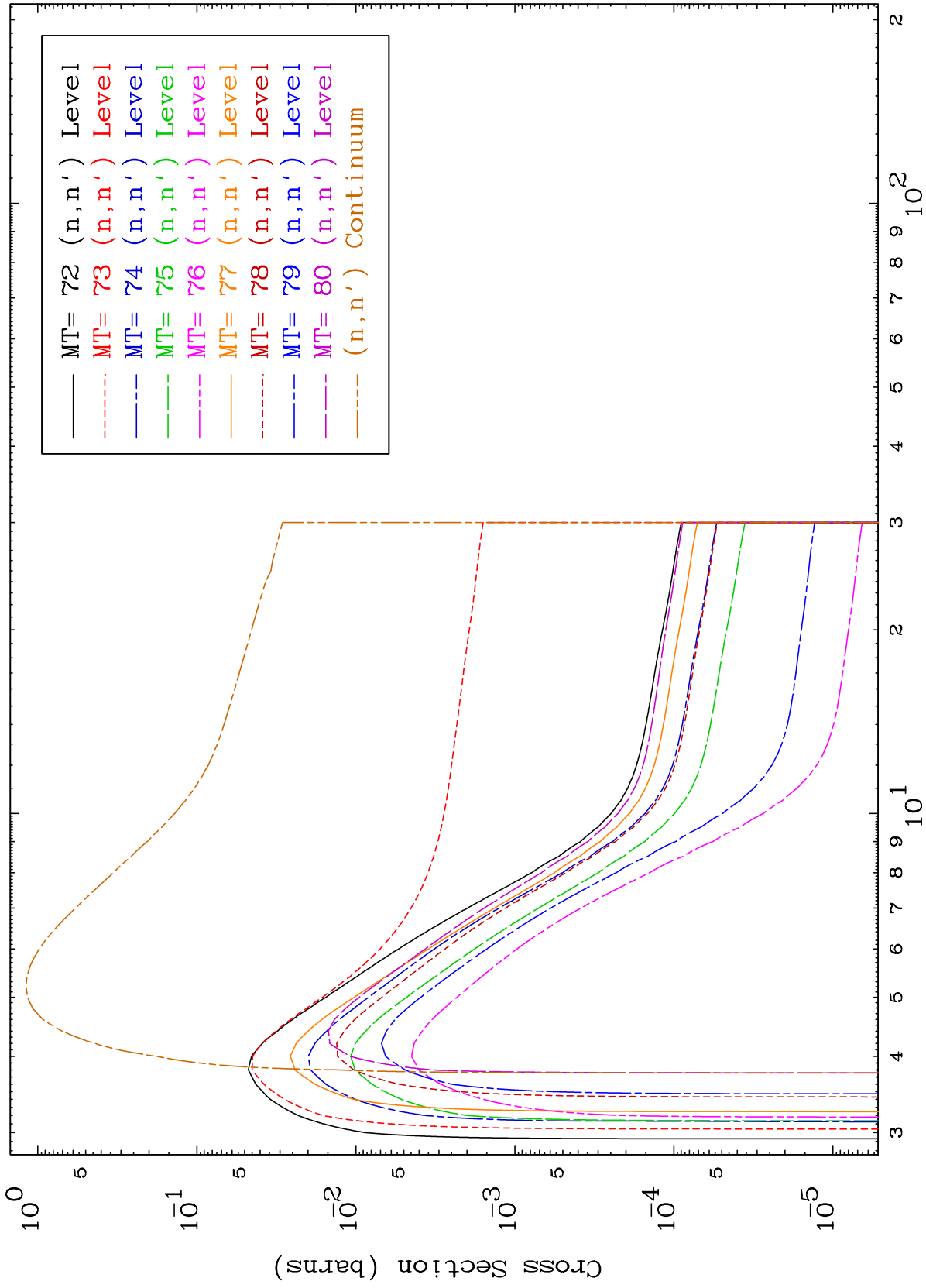
30-Zn-77

MAT 3064

(n,n') Level

30-Zn-77

293 Kelvin Cross Sections



8

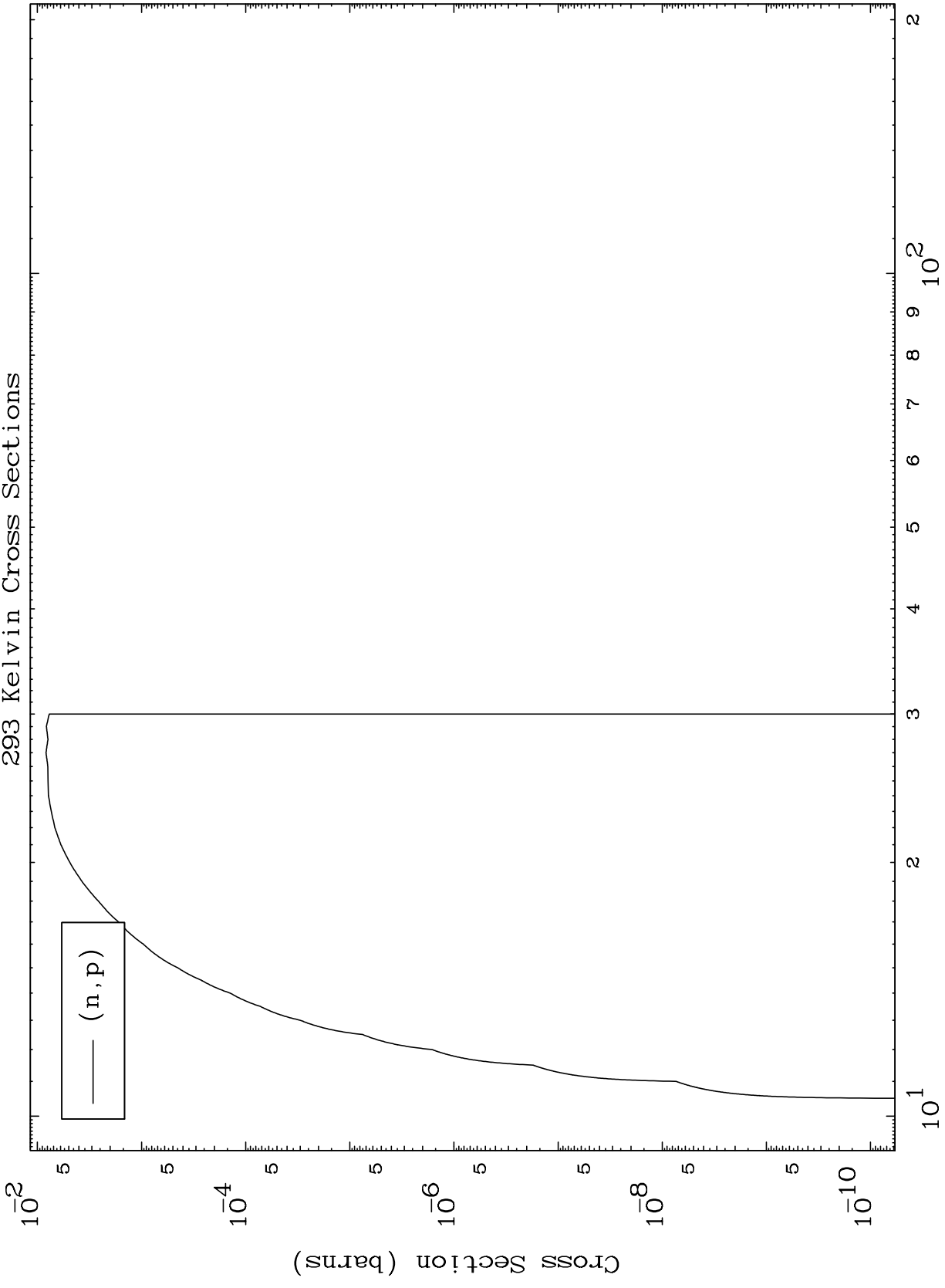
Incident Energy (MeV)

30-Zn-77

MAT 3064

(n,p) Levels
293 Kelvin Cross Sections

30-Zn-77



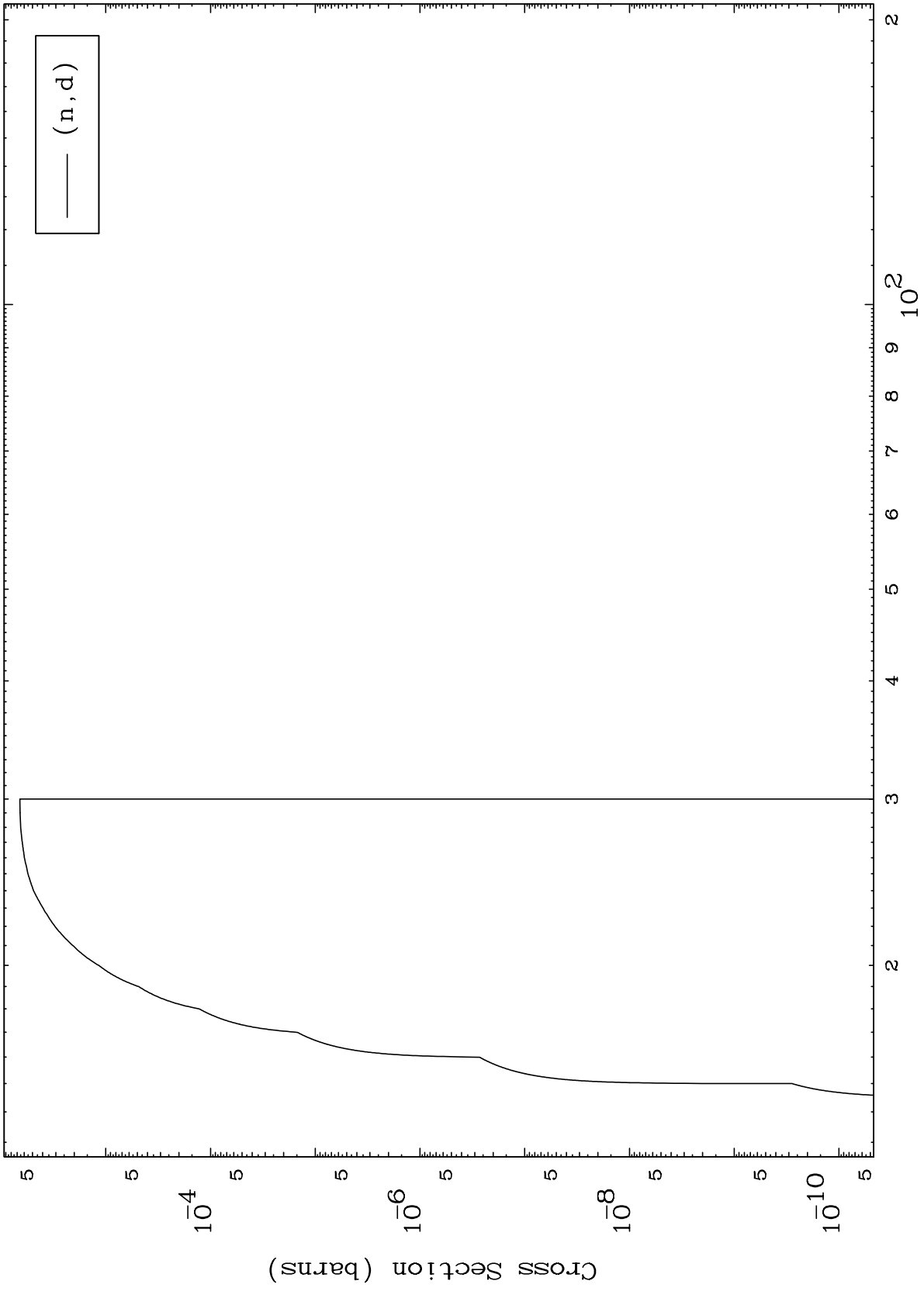
Incident Energy (MeV)

30-Zn-77

MAT 3064

(n,d) Levels
293 Kelvin Cross Sections

30-Zn-77



10

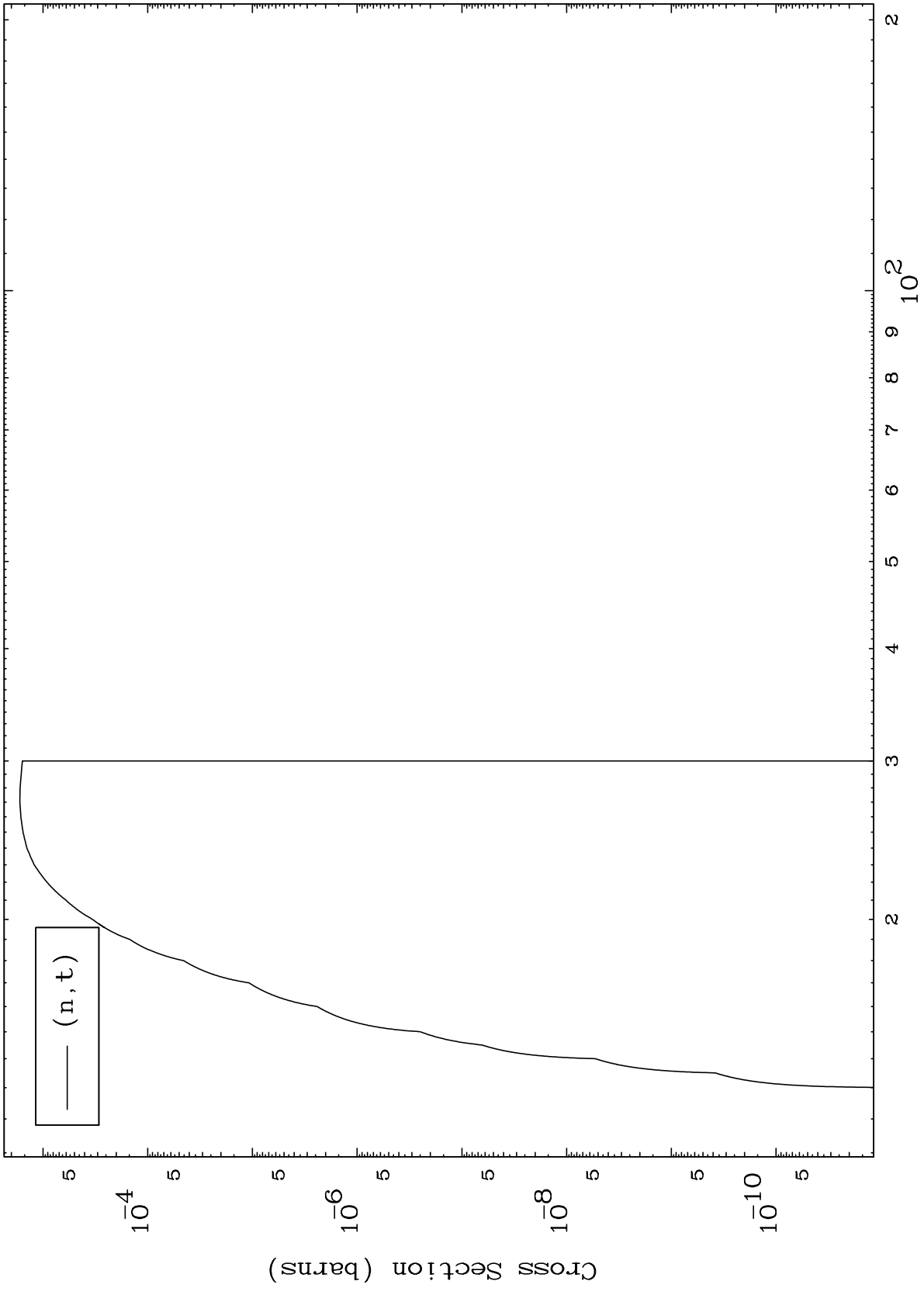
Incident Energy (MeV)

30-Zn-77

MAT 3064

(n,t) Levels
293 Kelvin Cross Sections

30-Zn-77



11

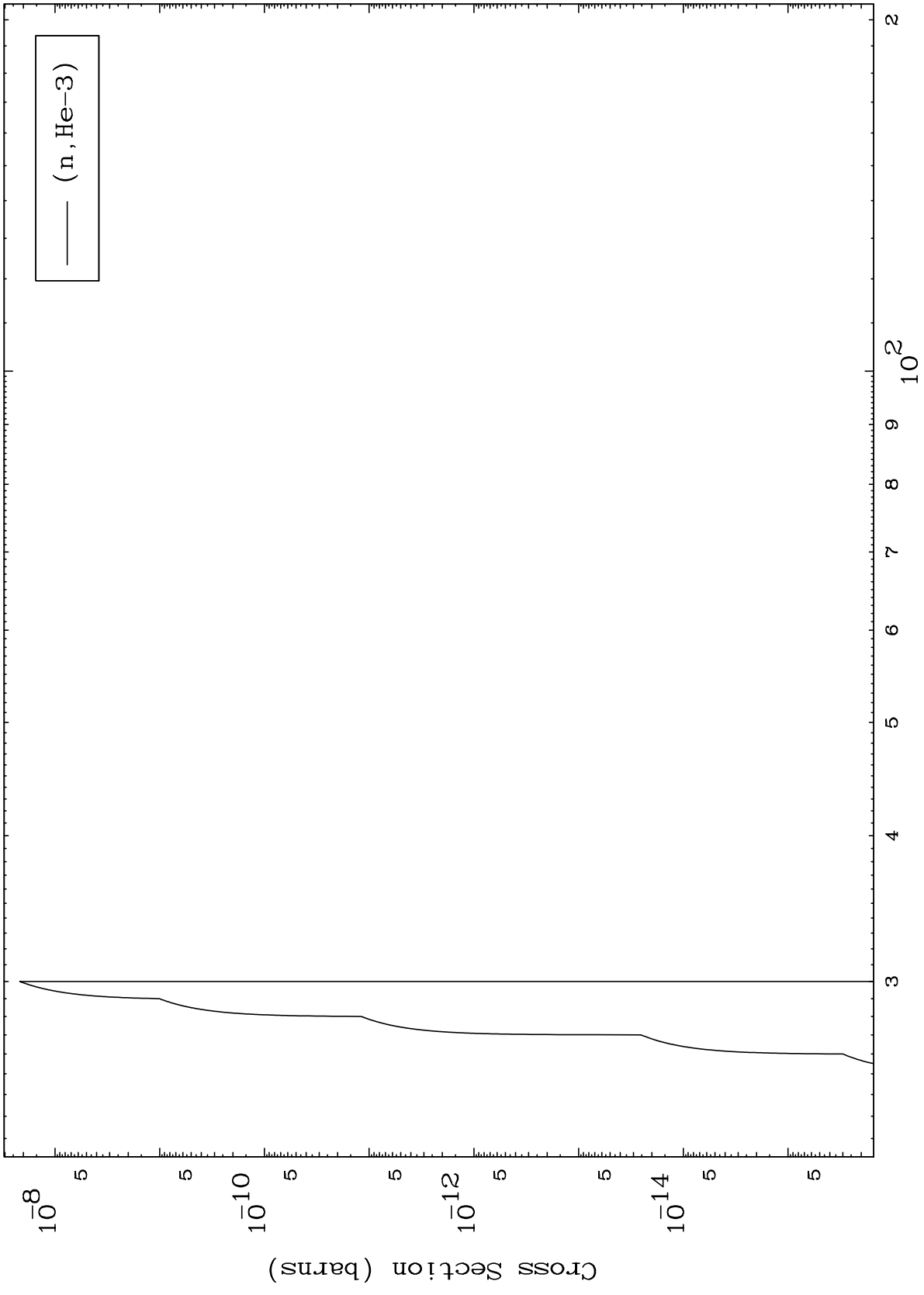
Incident Energy (MeV)

30-Zn-77

MAT 3064

(n,He3) Levels
293 Kelvin Cross Sections

30-Zn-77



12

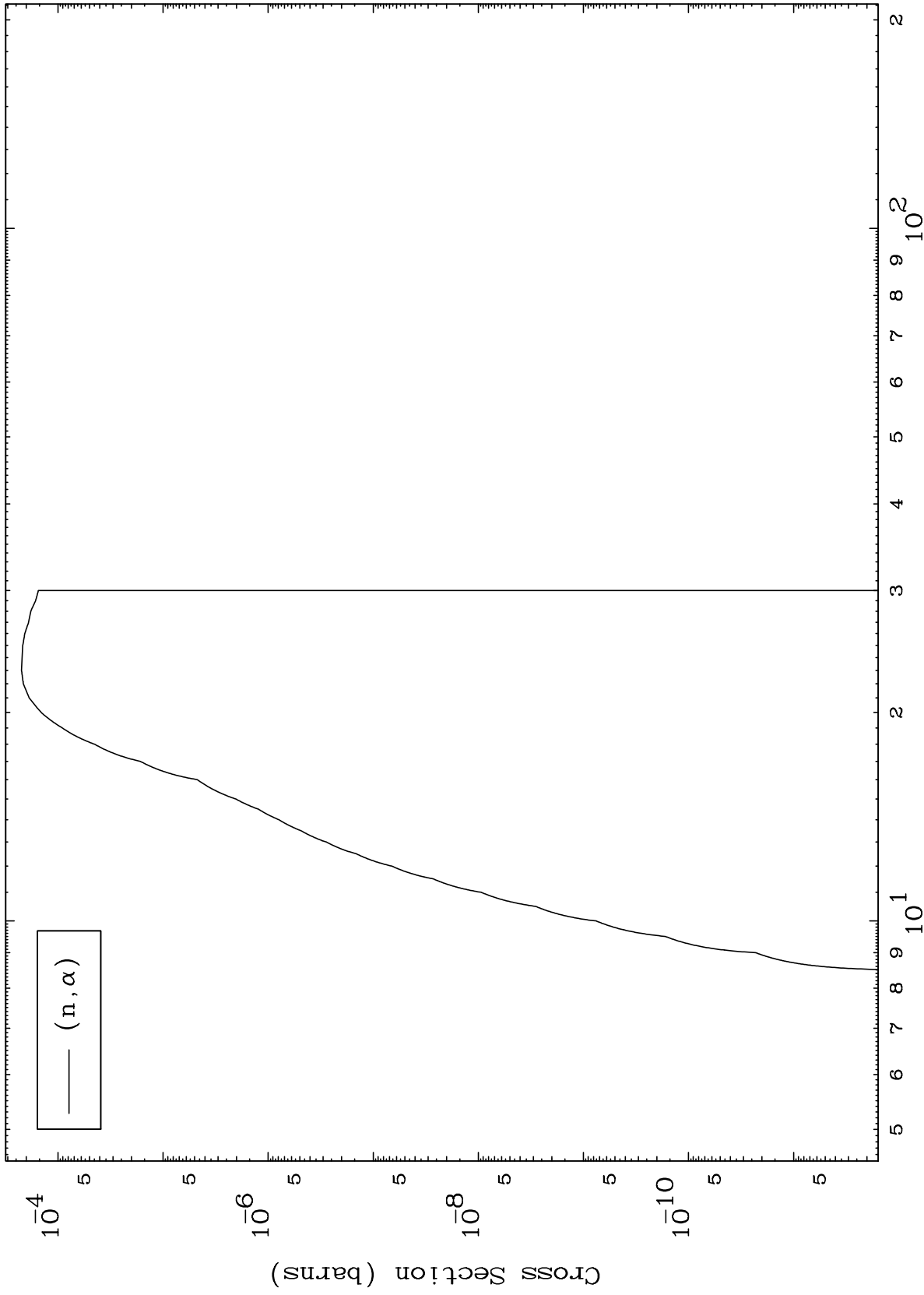
Incident Energy (MeV)

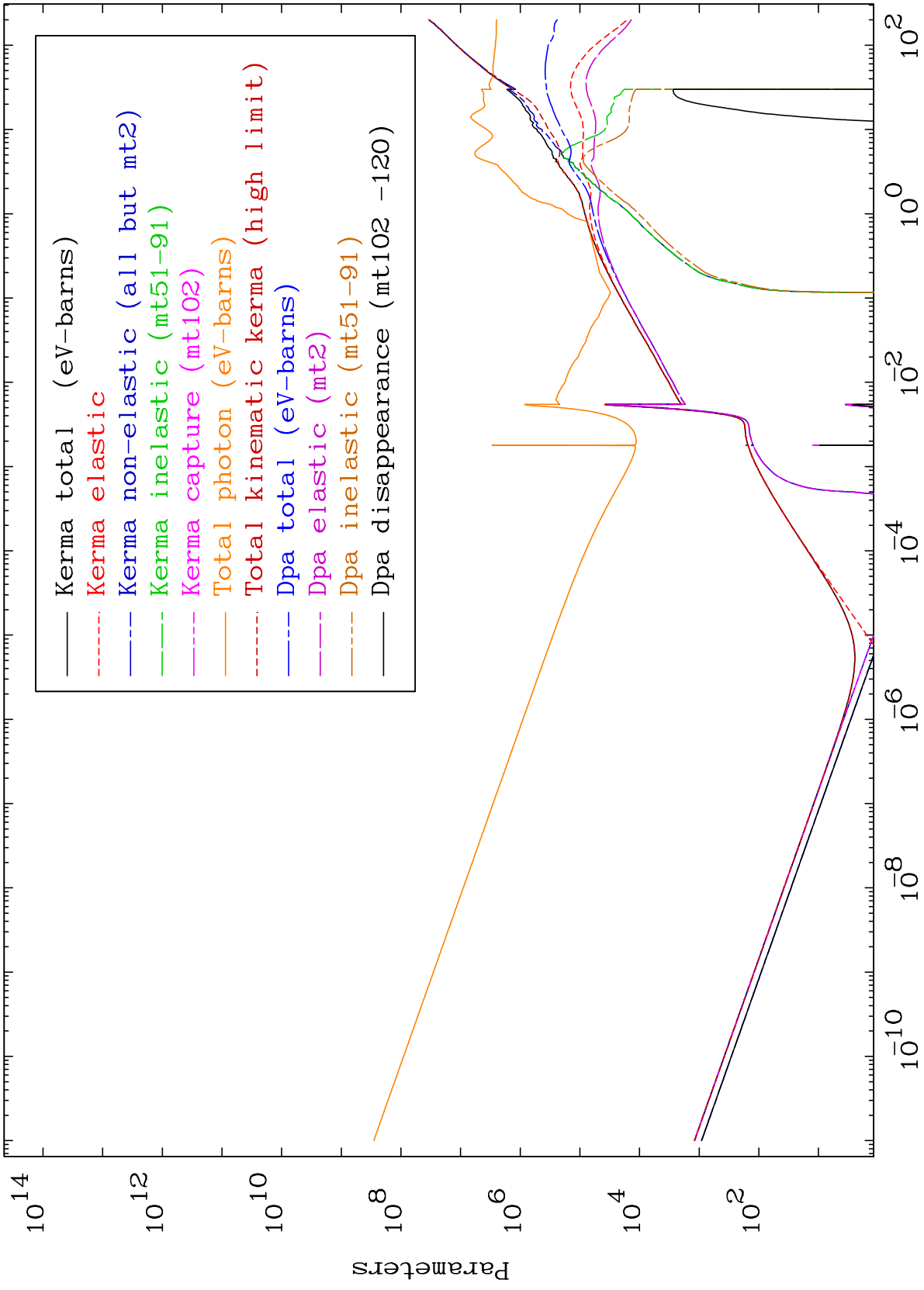
30-Zn-77

MAT 3064

(n,α) Levels
293 Kelvin Cross Sections

30-Zn-77

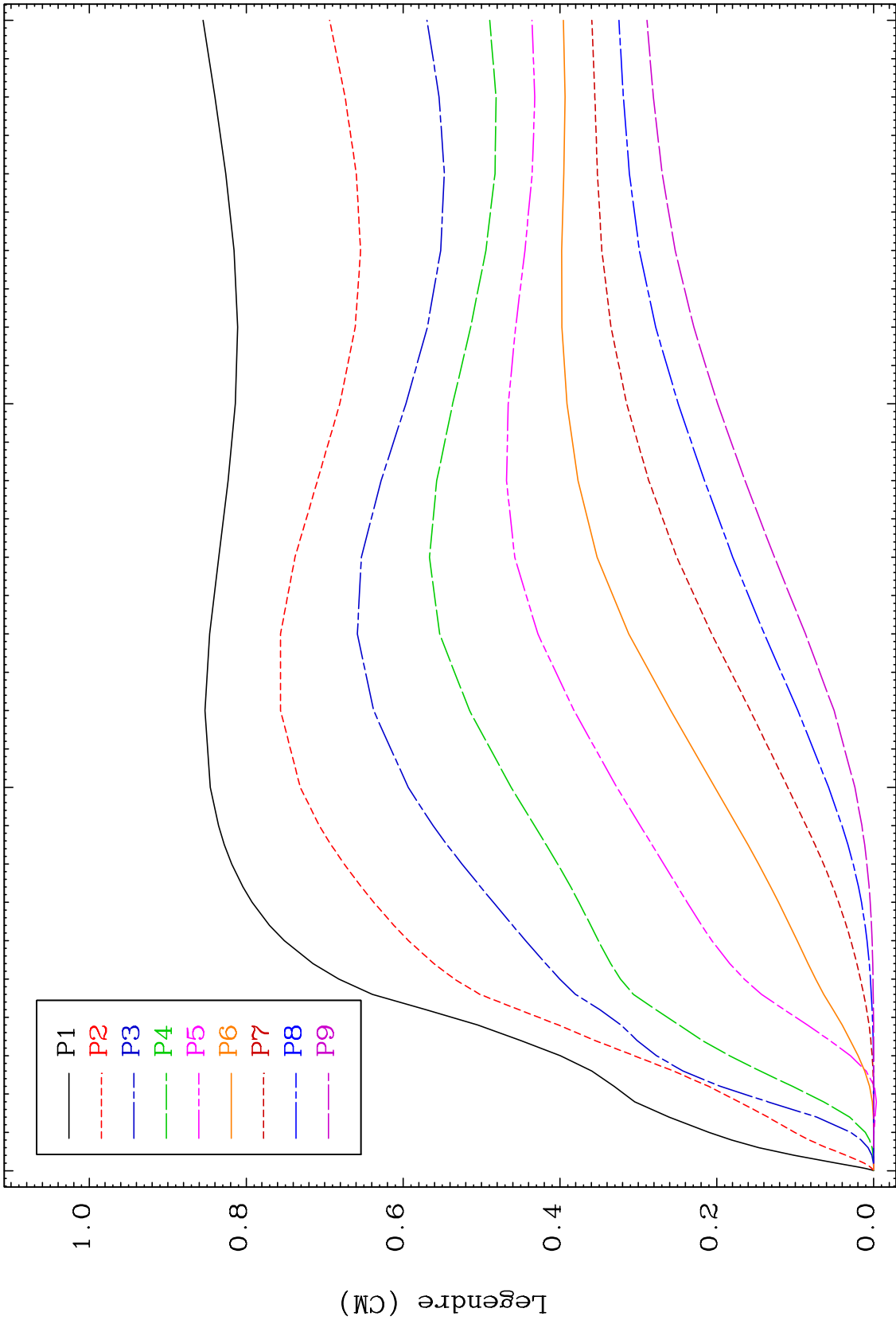




MAT 3064

Elastic Legendre Coefficients

30-Zn-77



15

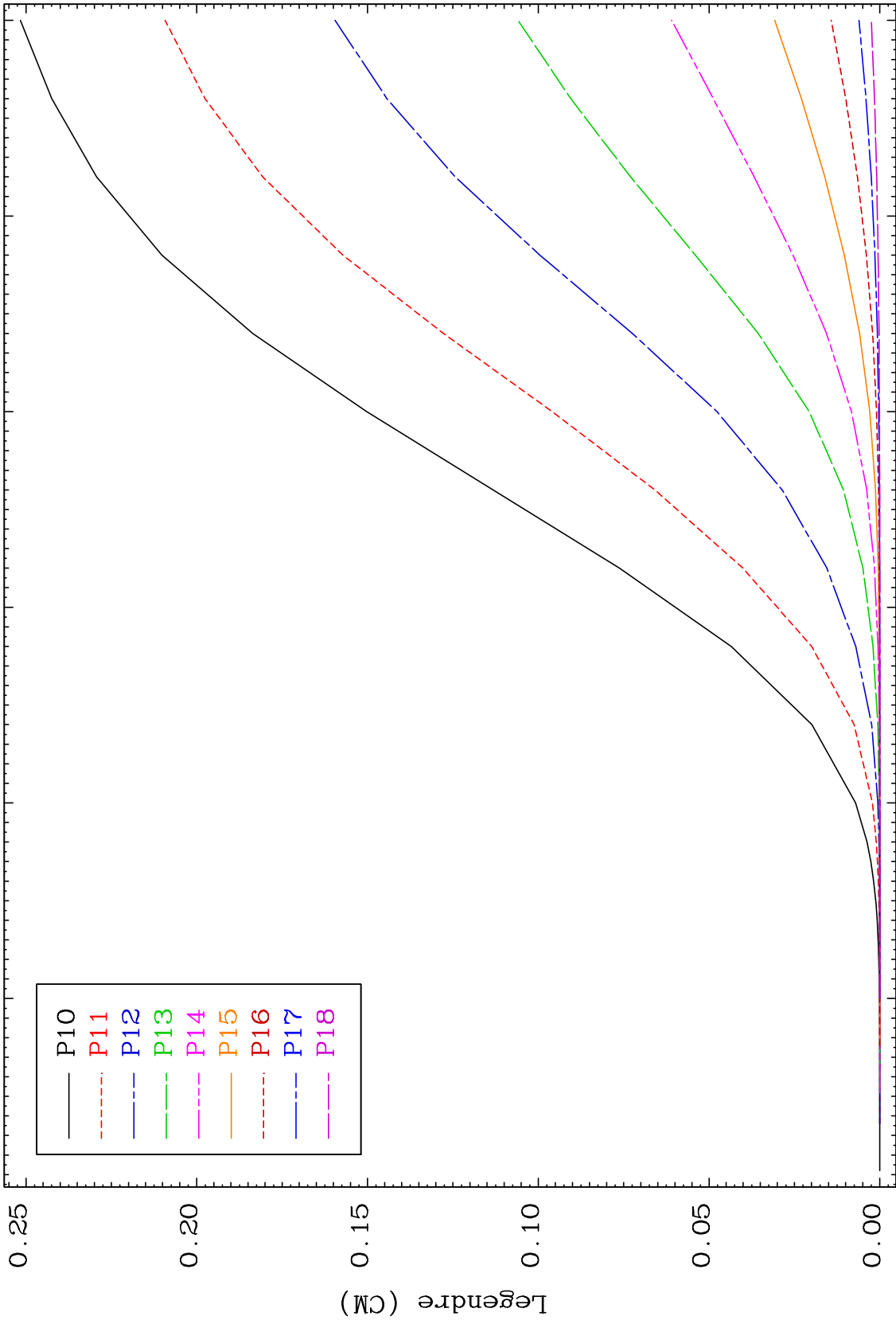
Incident Energy (MeV)

30-Zn-77

MAT 3064

Elastic Legendre Coefficients

30-Zn-77



16

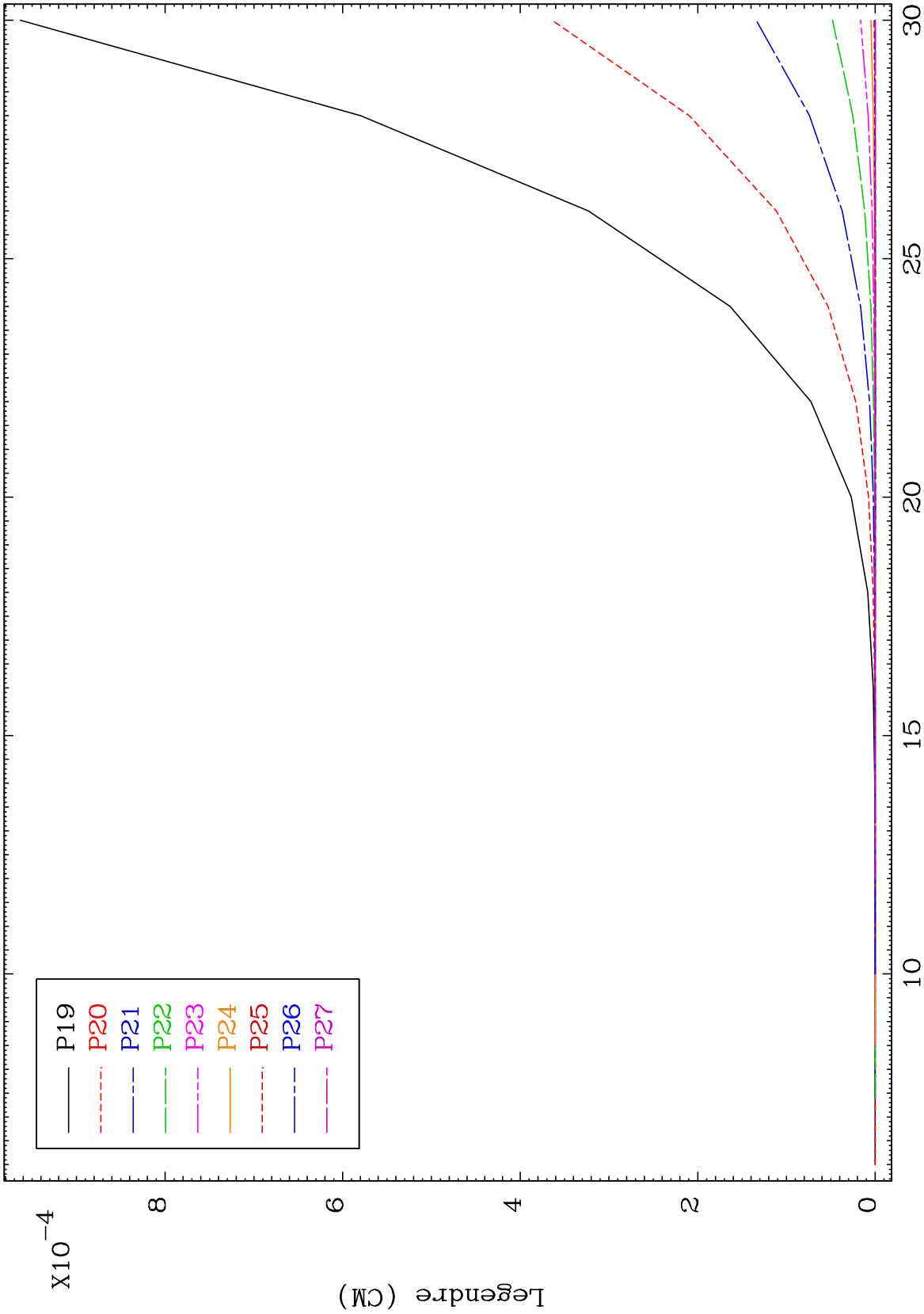
Incident Energy (MeV)

30-Zn-77

MAT 3064

Elastic Legendre Coefficients

30-Zn-77



17

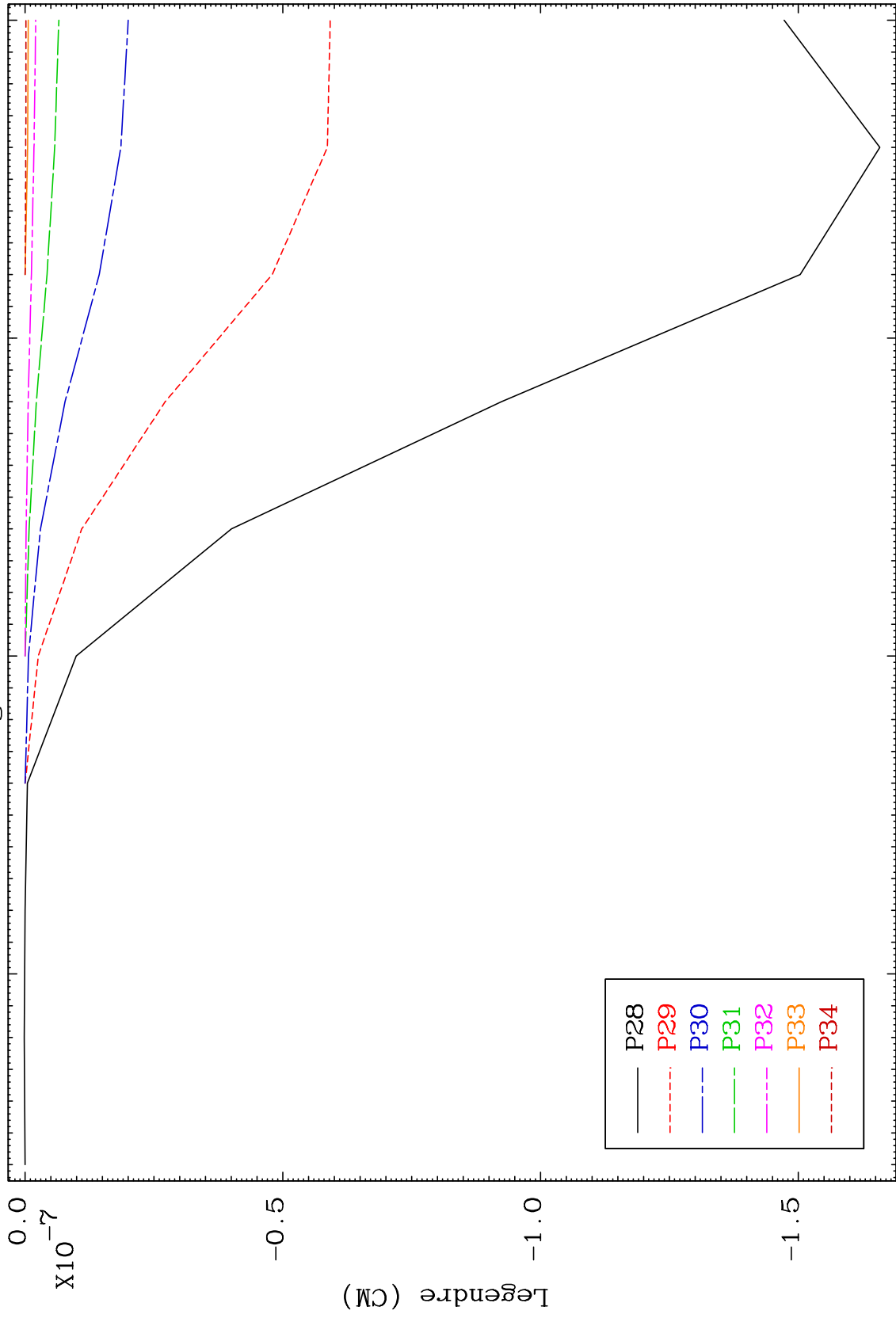
Incident Energy (MeV)

30-Zn-77

MAT 3064

30-Zn-77

Elastic Legendre Coefficients



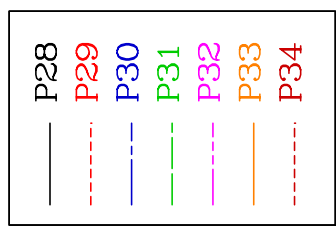
Legendre (CM)
 $\times 10^{-7}$

Incident Energy (MeV)

18

30-Zn-77

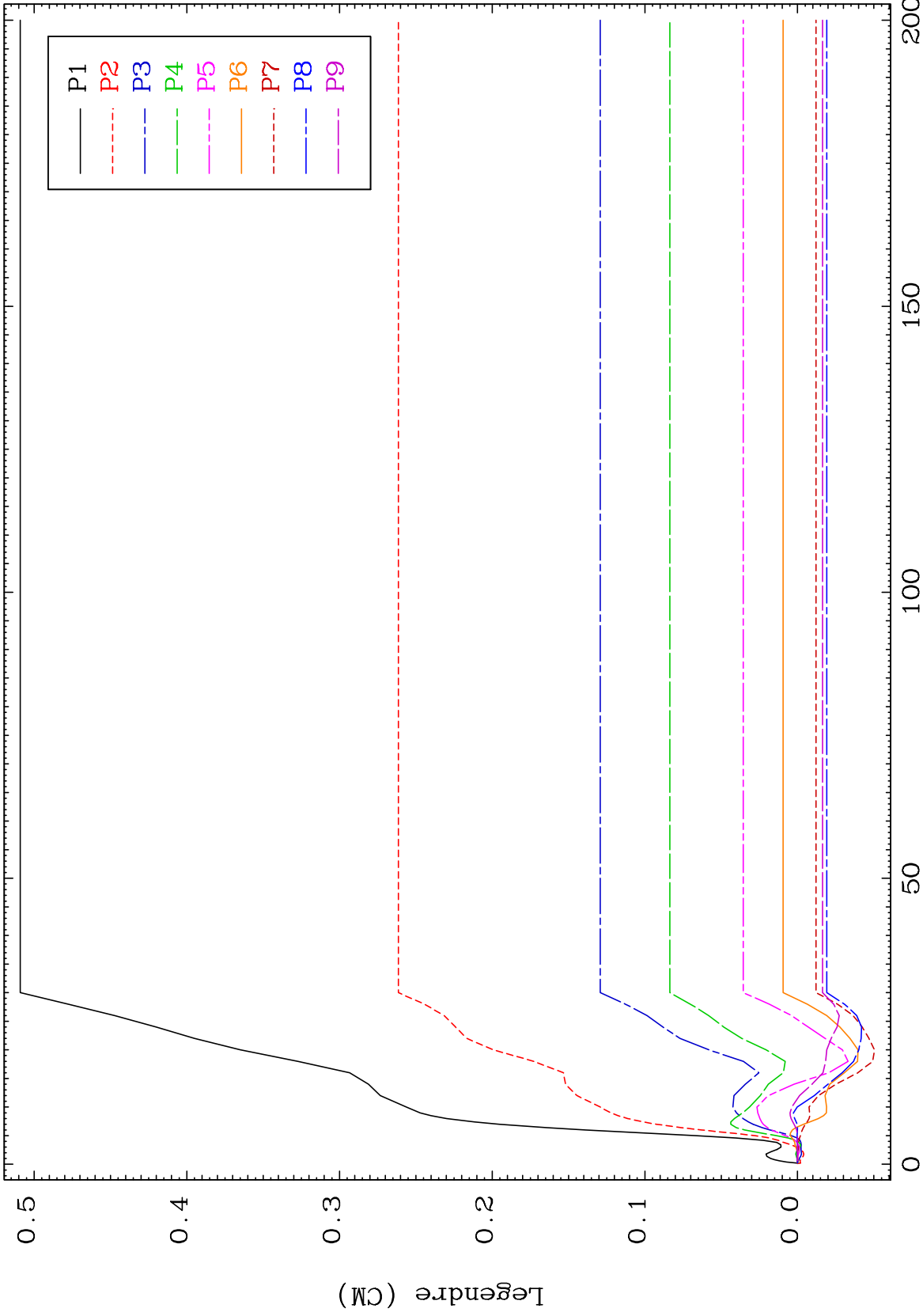
30-Zn-77



MAT 3064

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

30-Zn-77



19

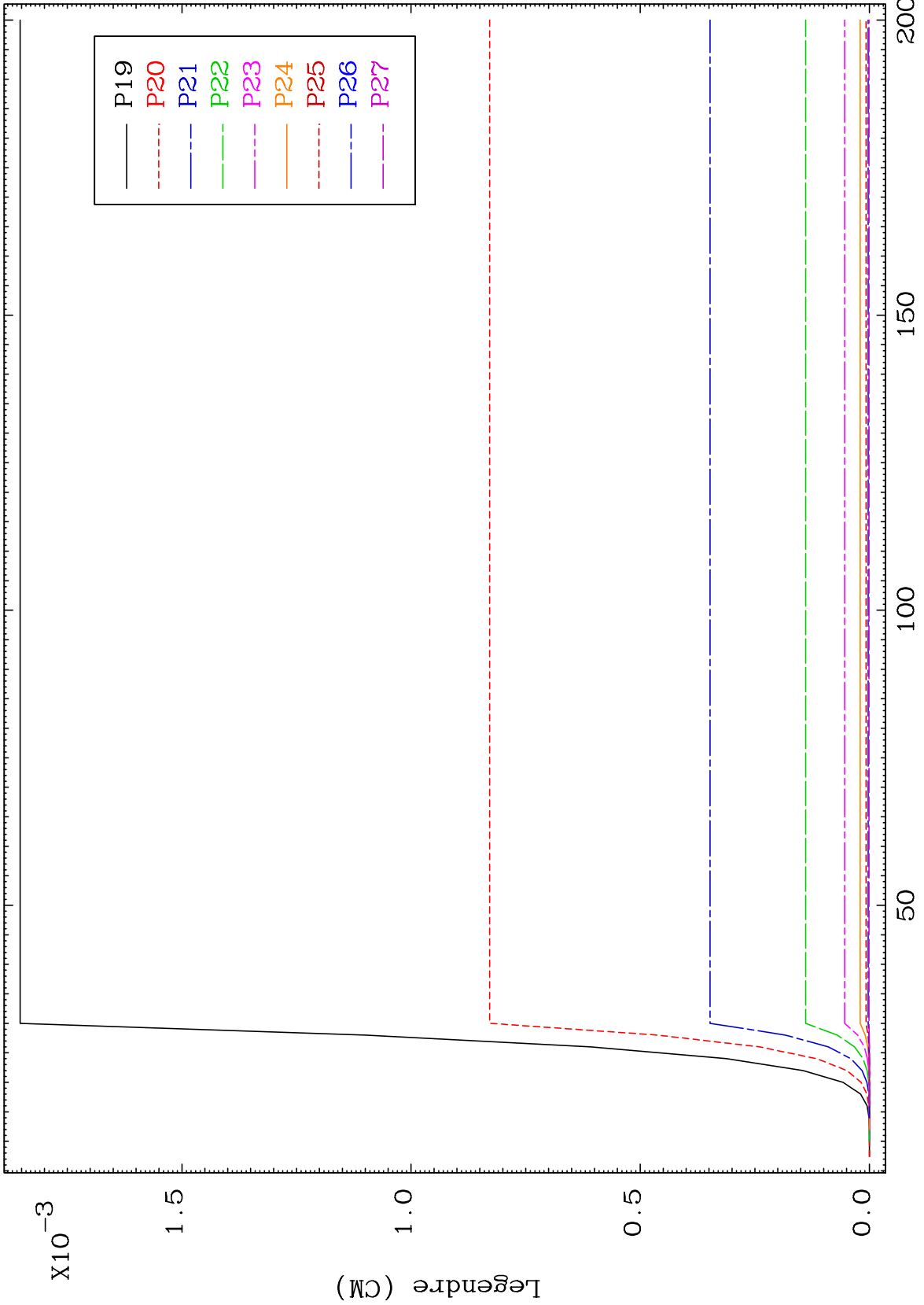
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



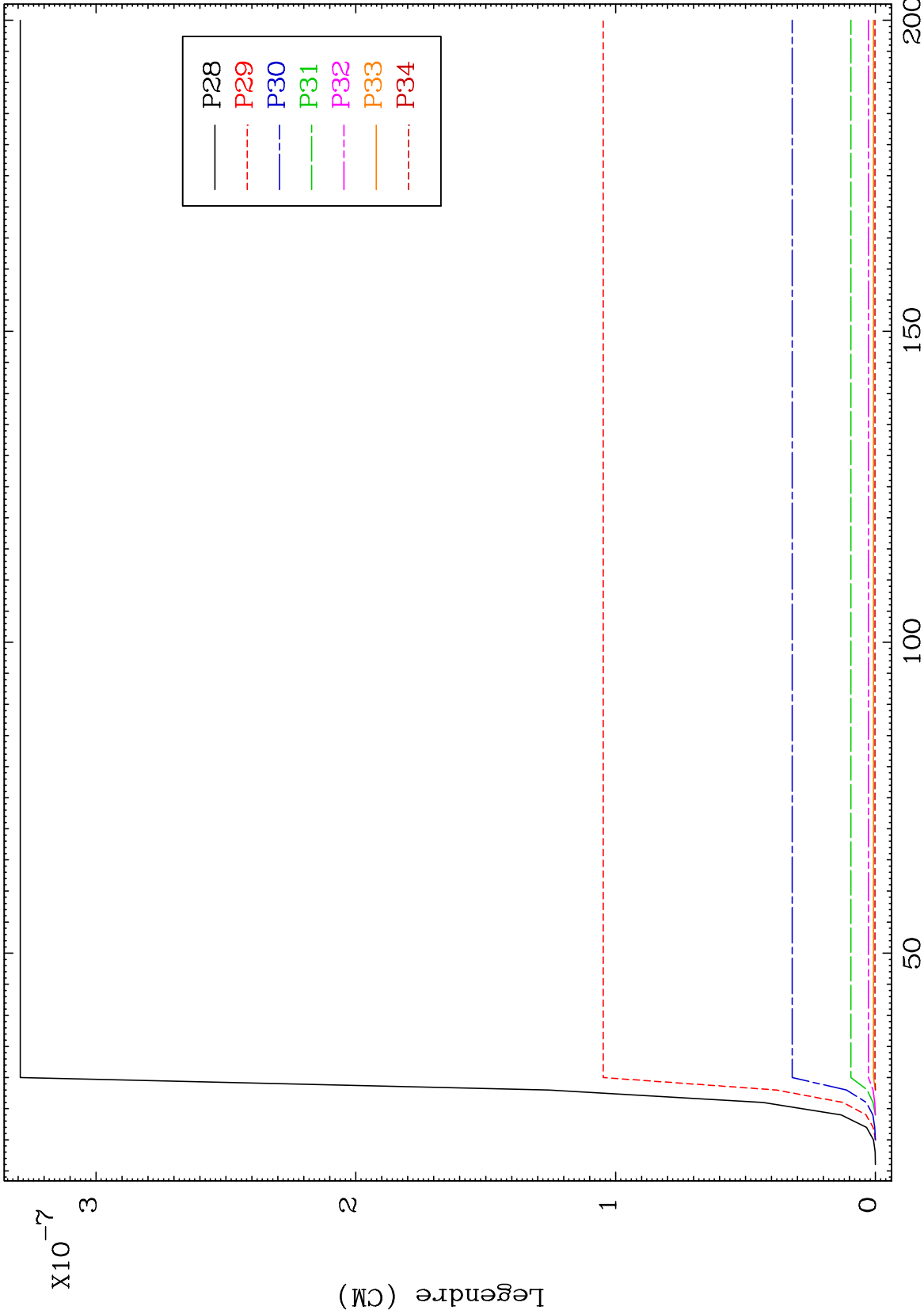
21

30-Zn-77

MAT 3064

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

30-Zn-77

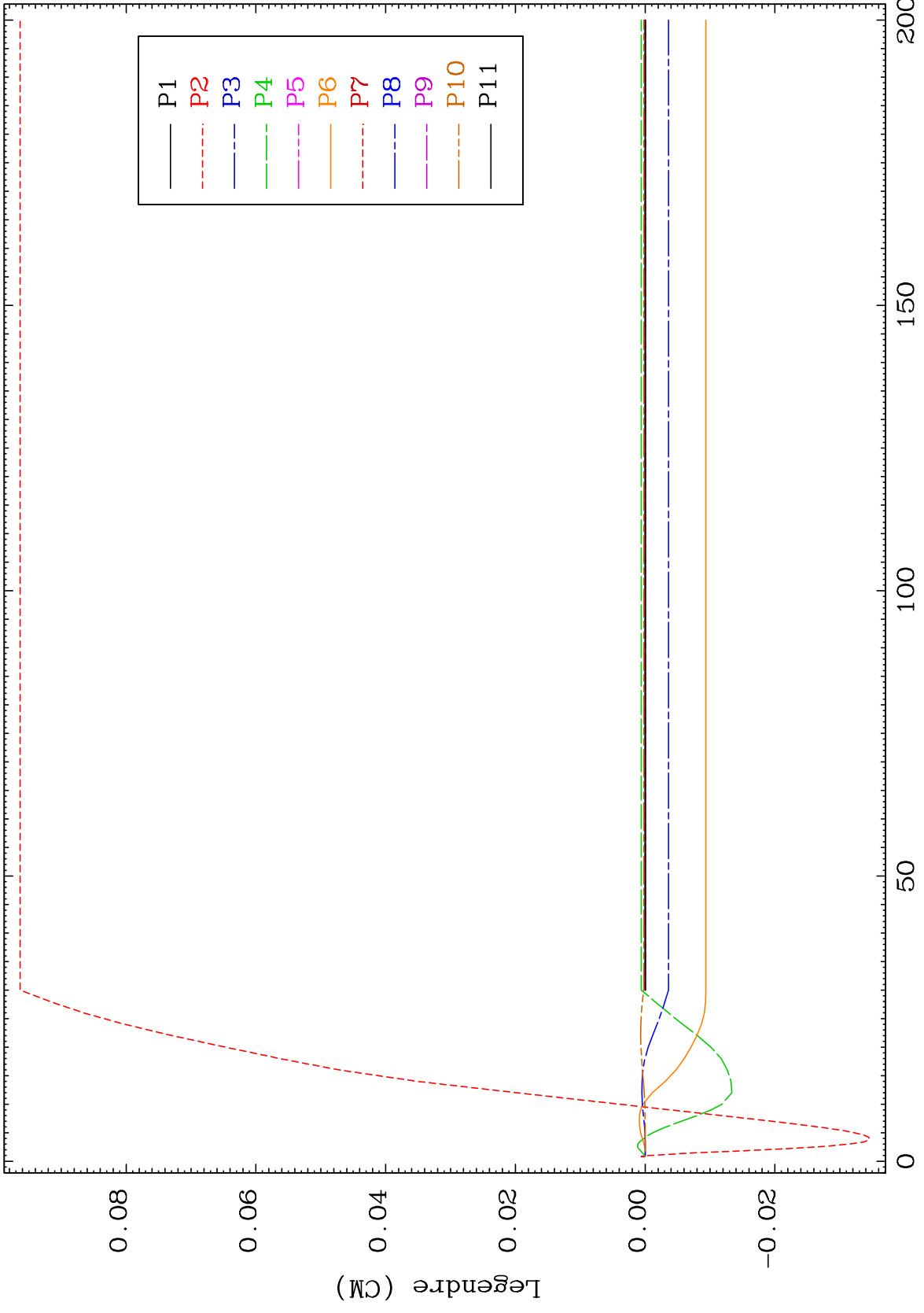


22

Incident Energy (MeV)

30-Zn-77

MAT 3064 MT= 52 (n,n') Level Legendre Coefficients 30-Zn-77

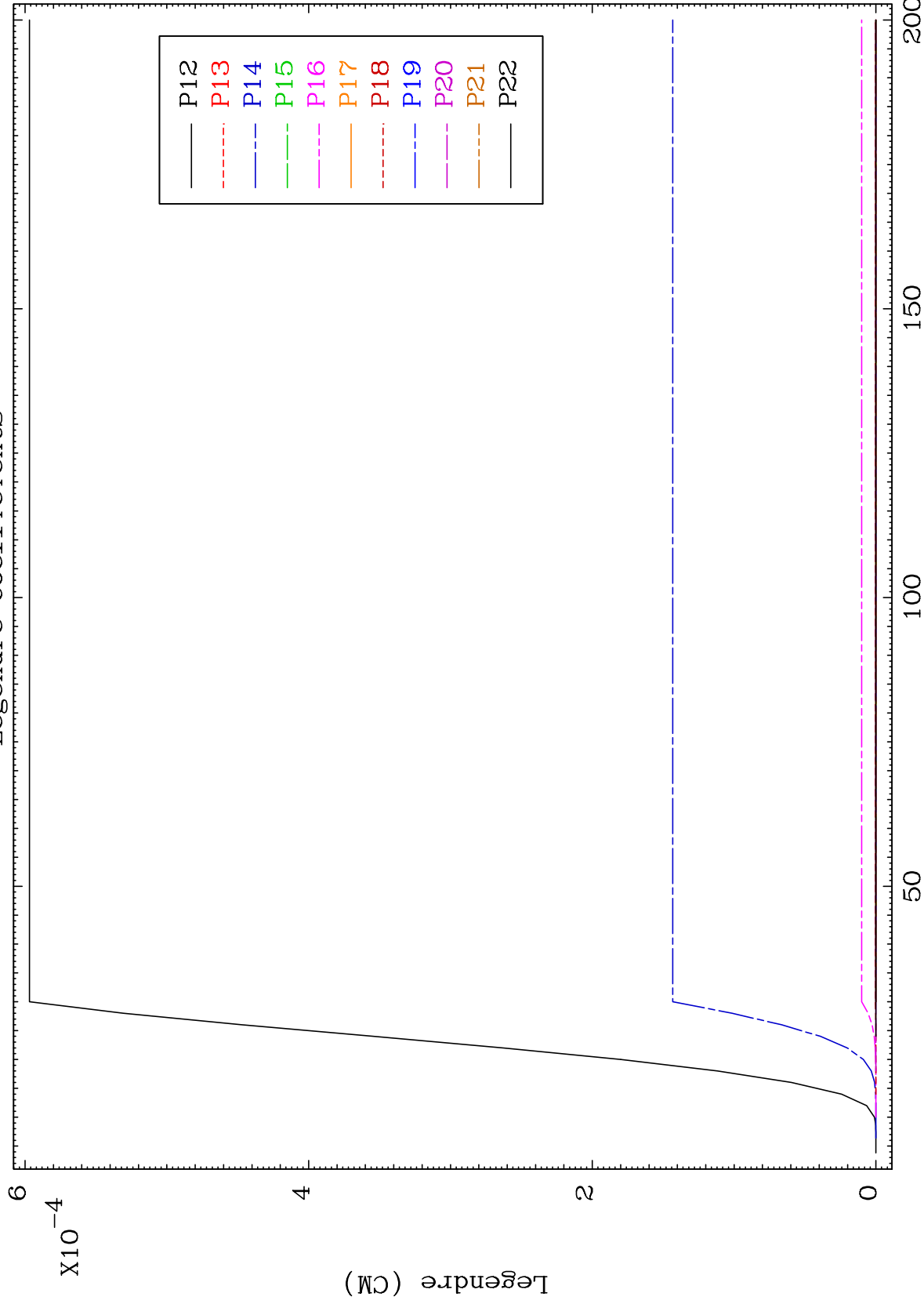


23 30-Zn-77

MAT 3064

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

30-Zn-77



24

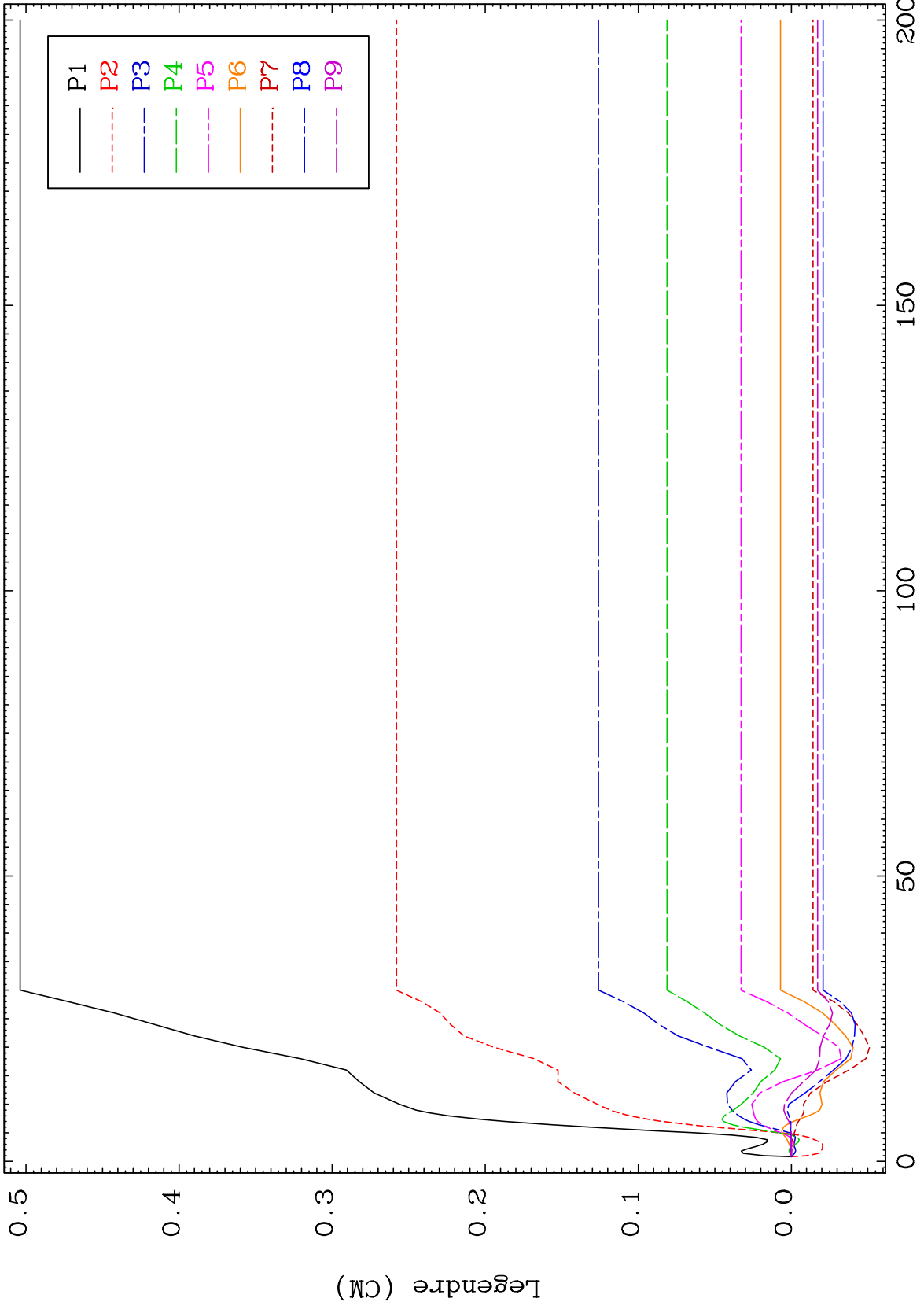
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



30-Zn-77

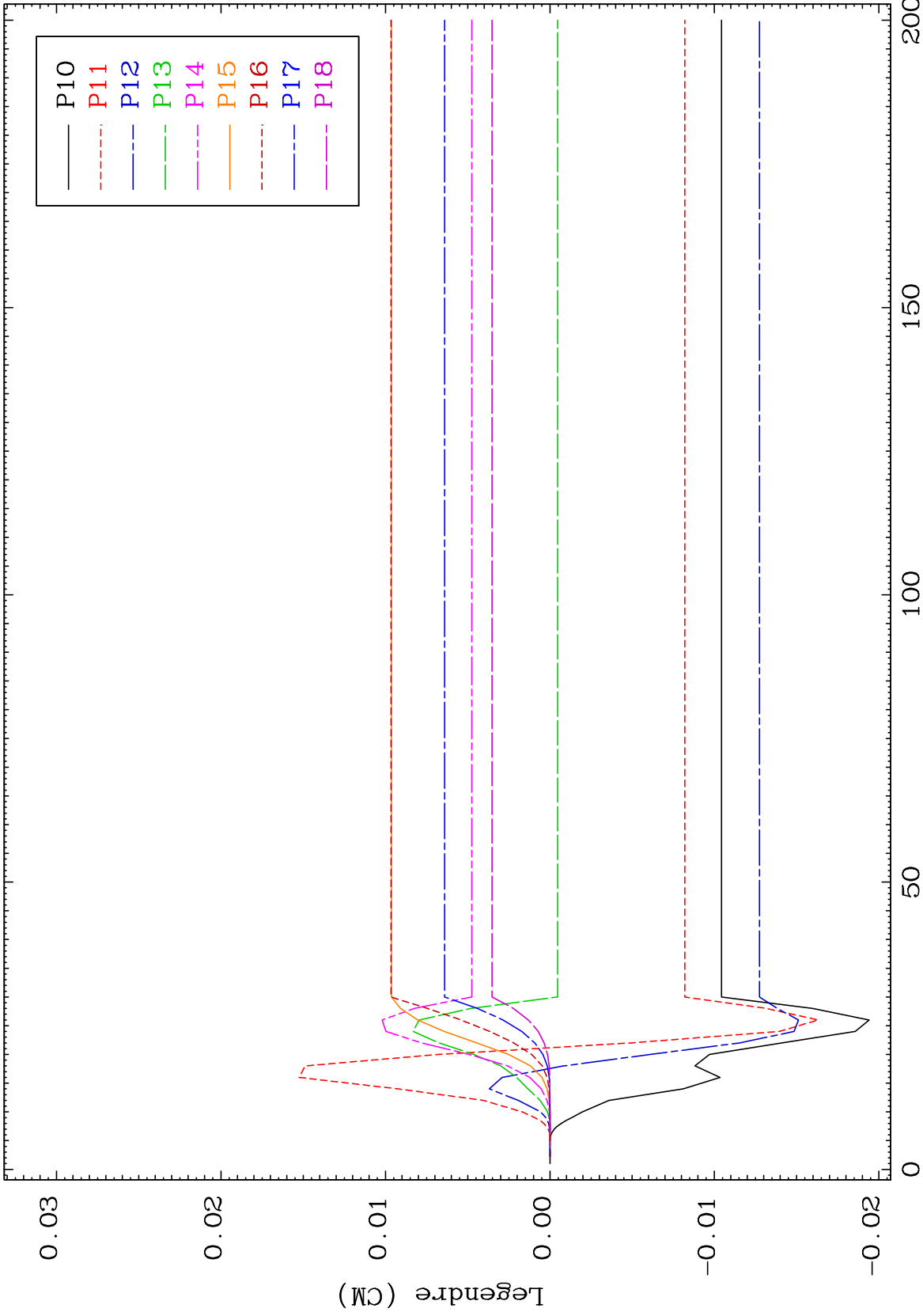
Incident Energy (MeV)

25

MAT 3064

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

30-Zn-77



26

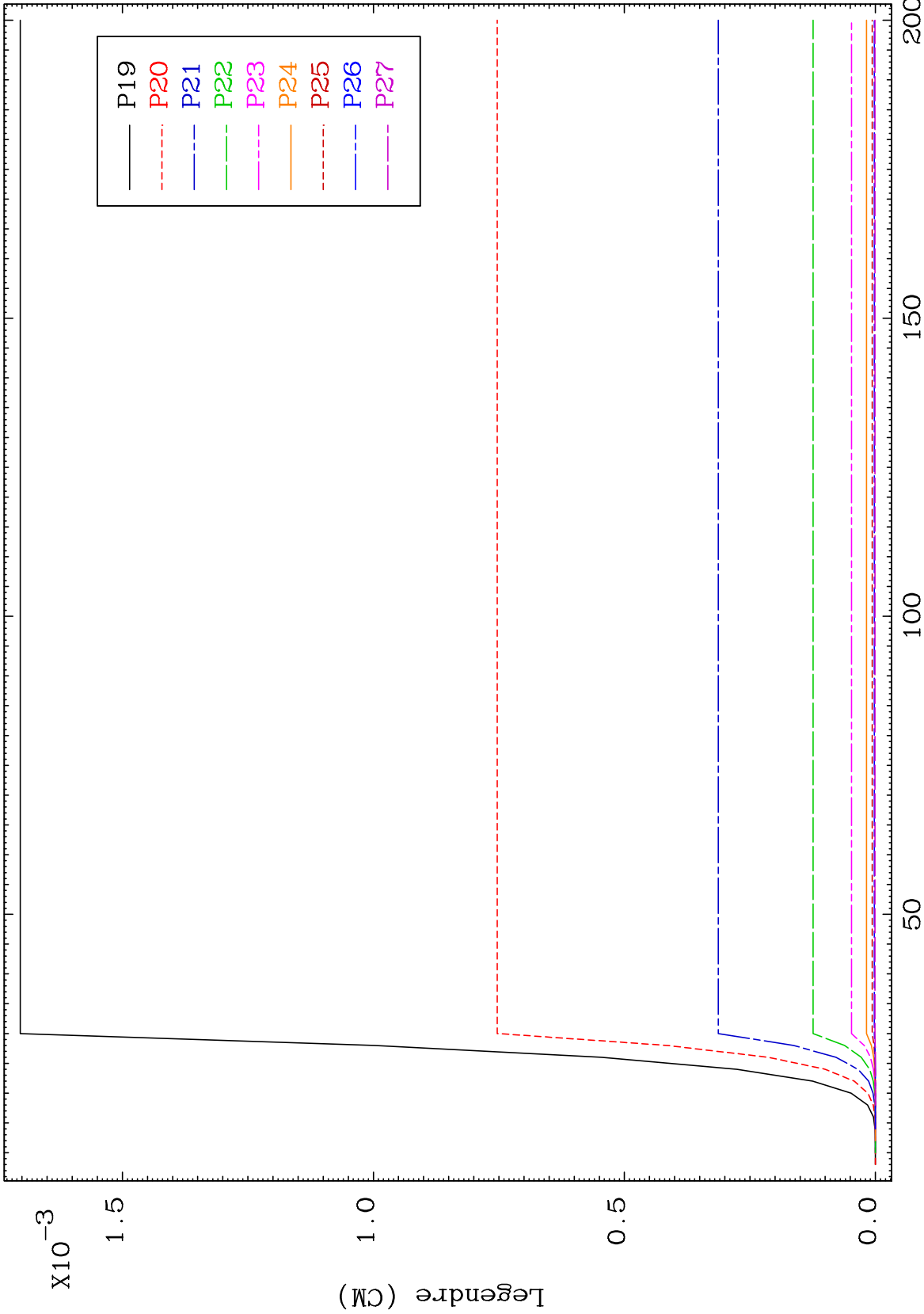
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



27

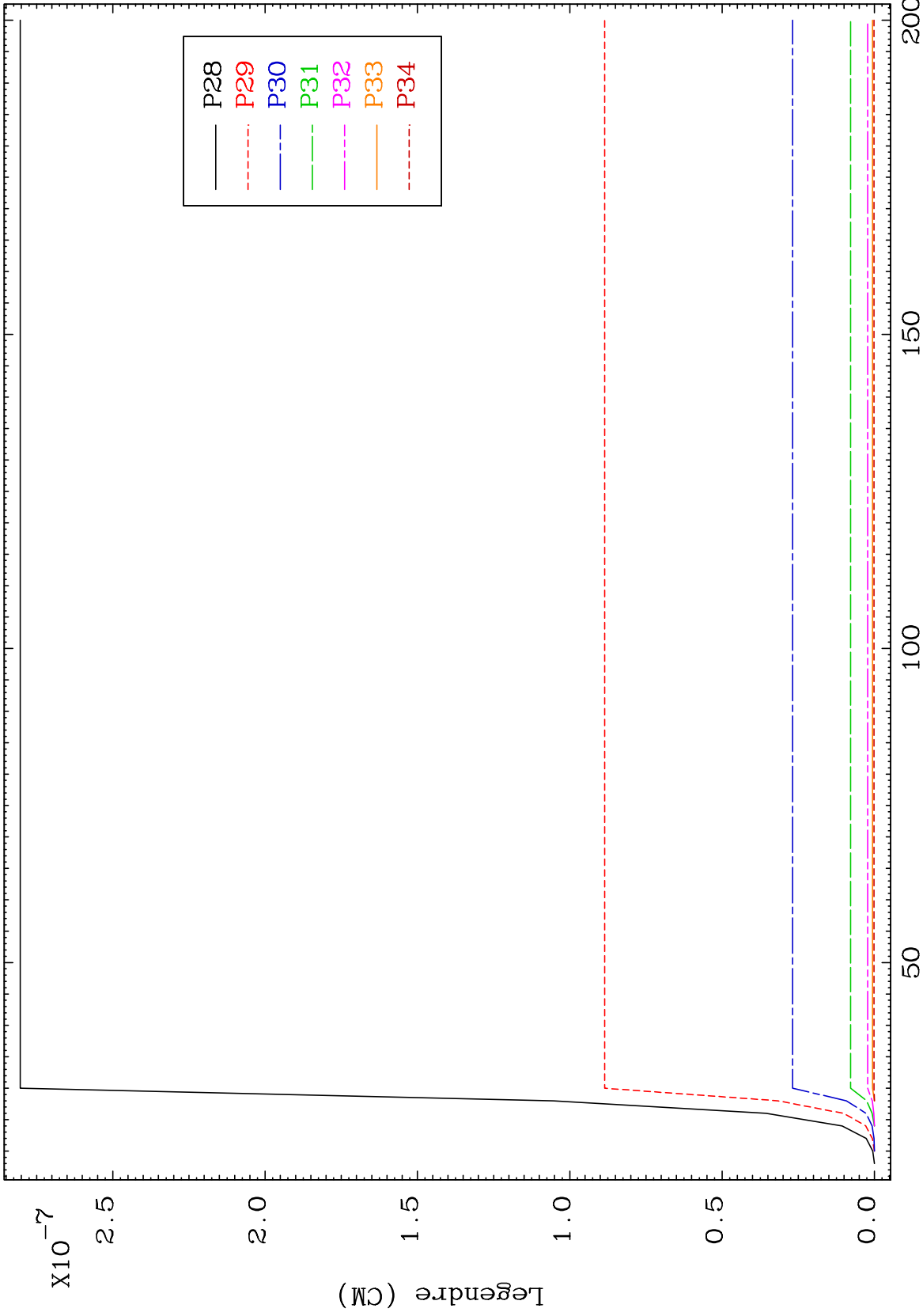
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77

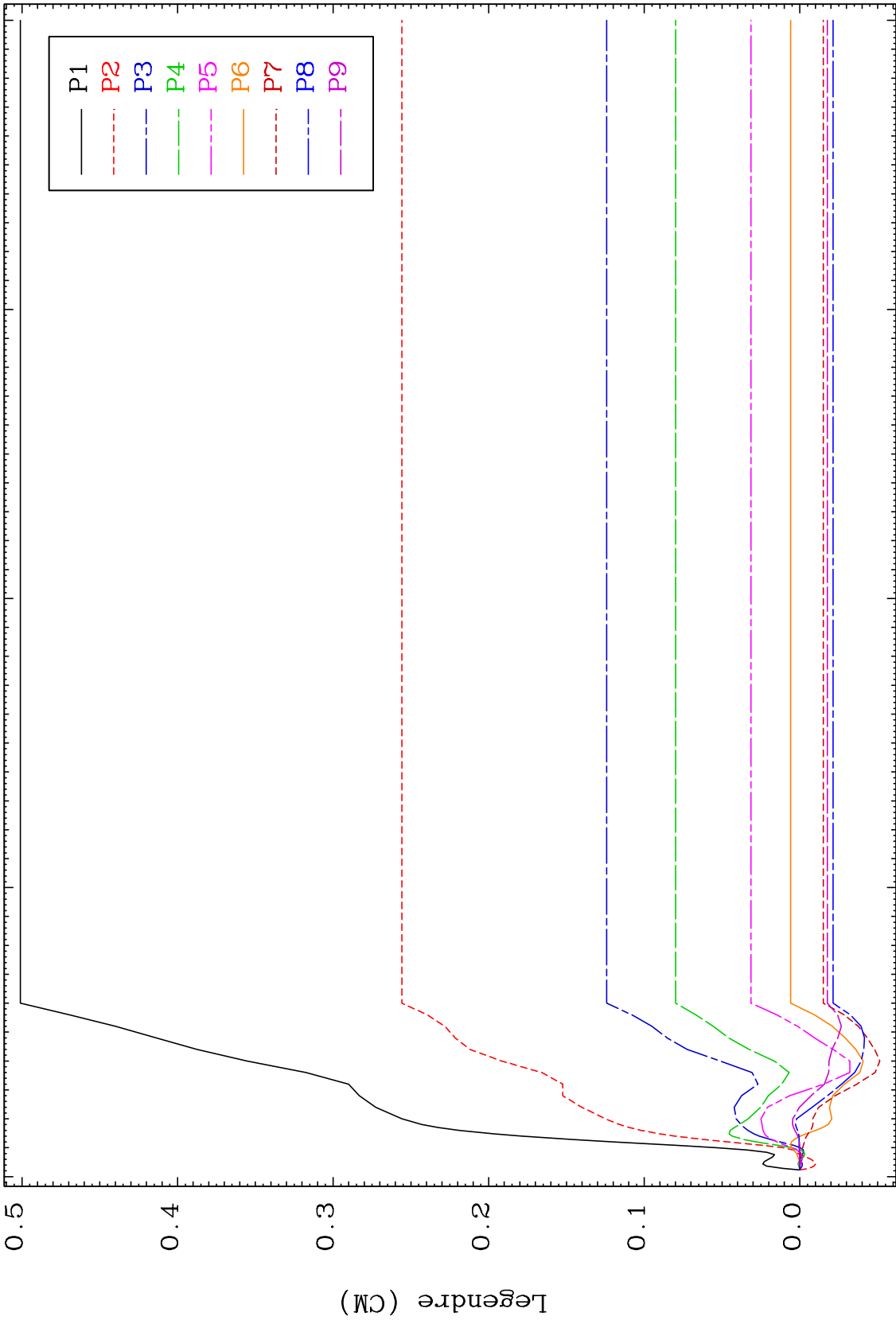


28

Incident Energy (MeV)

30-Zn-77

MAT 3064 MT= 54 (n,n') Level Legendre Coefficients 30-Zn-77

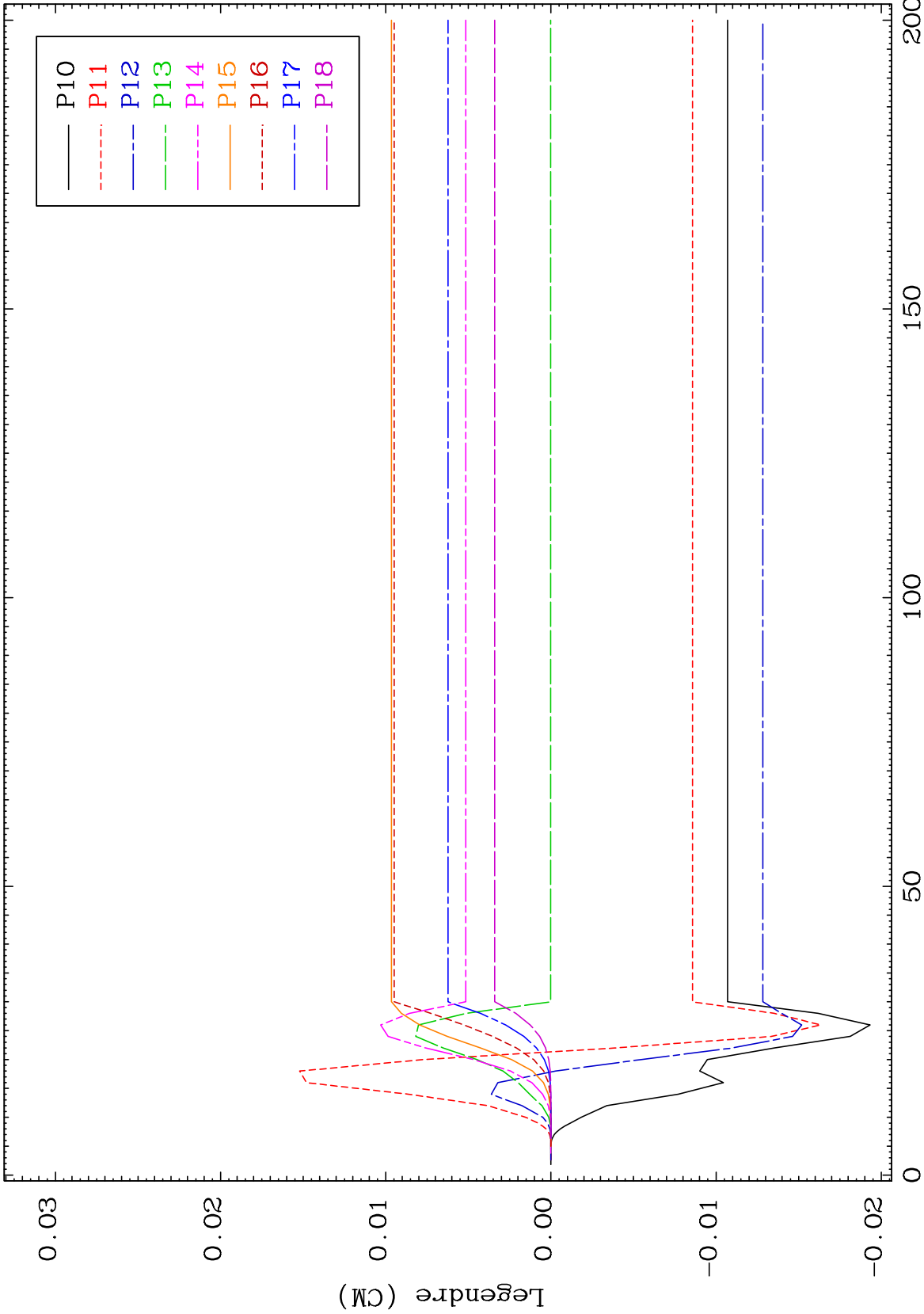


29 Incident Energy (MeV) 30-Zn-77

MAT 3064

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

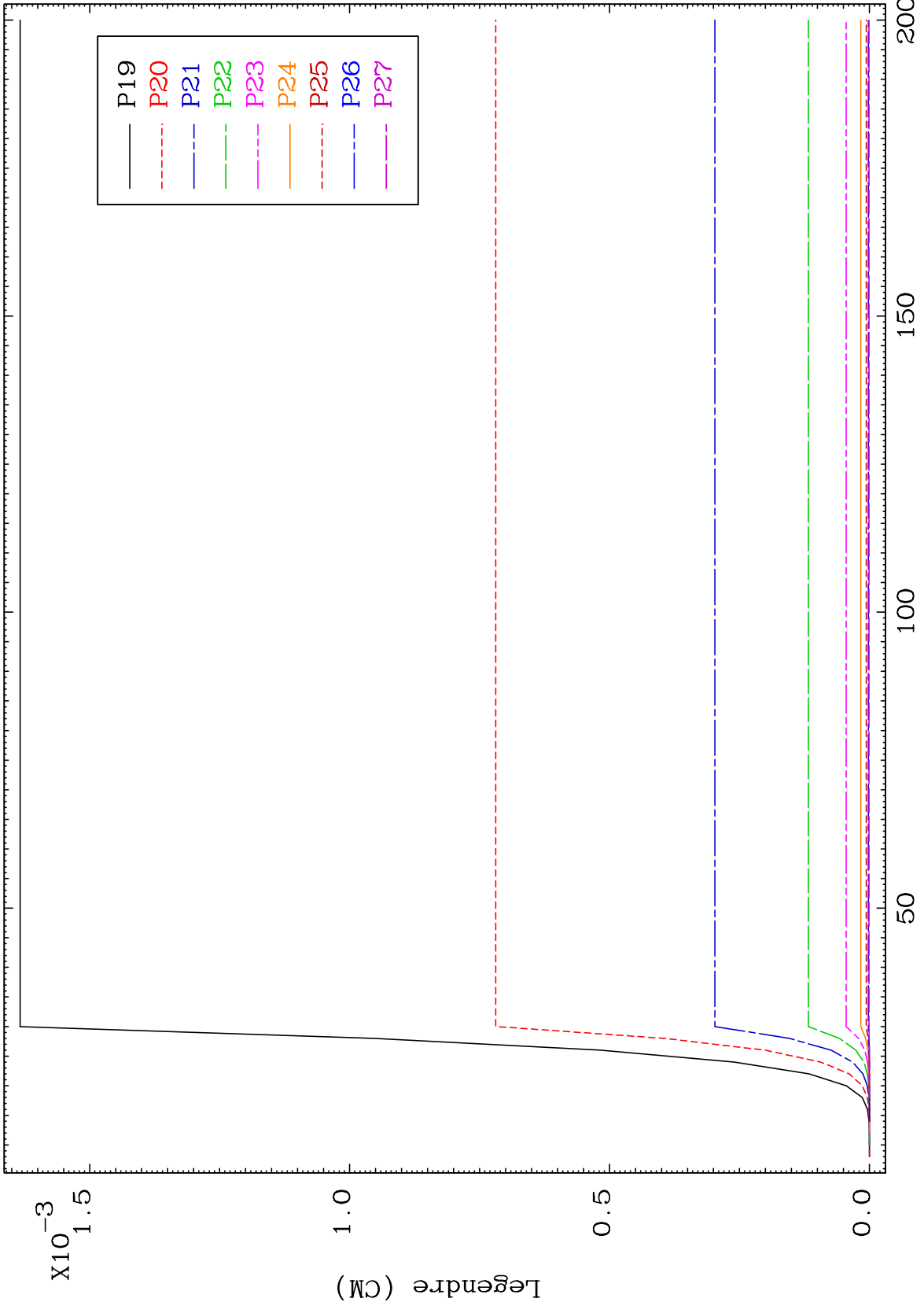
30-Zn-77



30

Incident Energy (MeV)

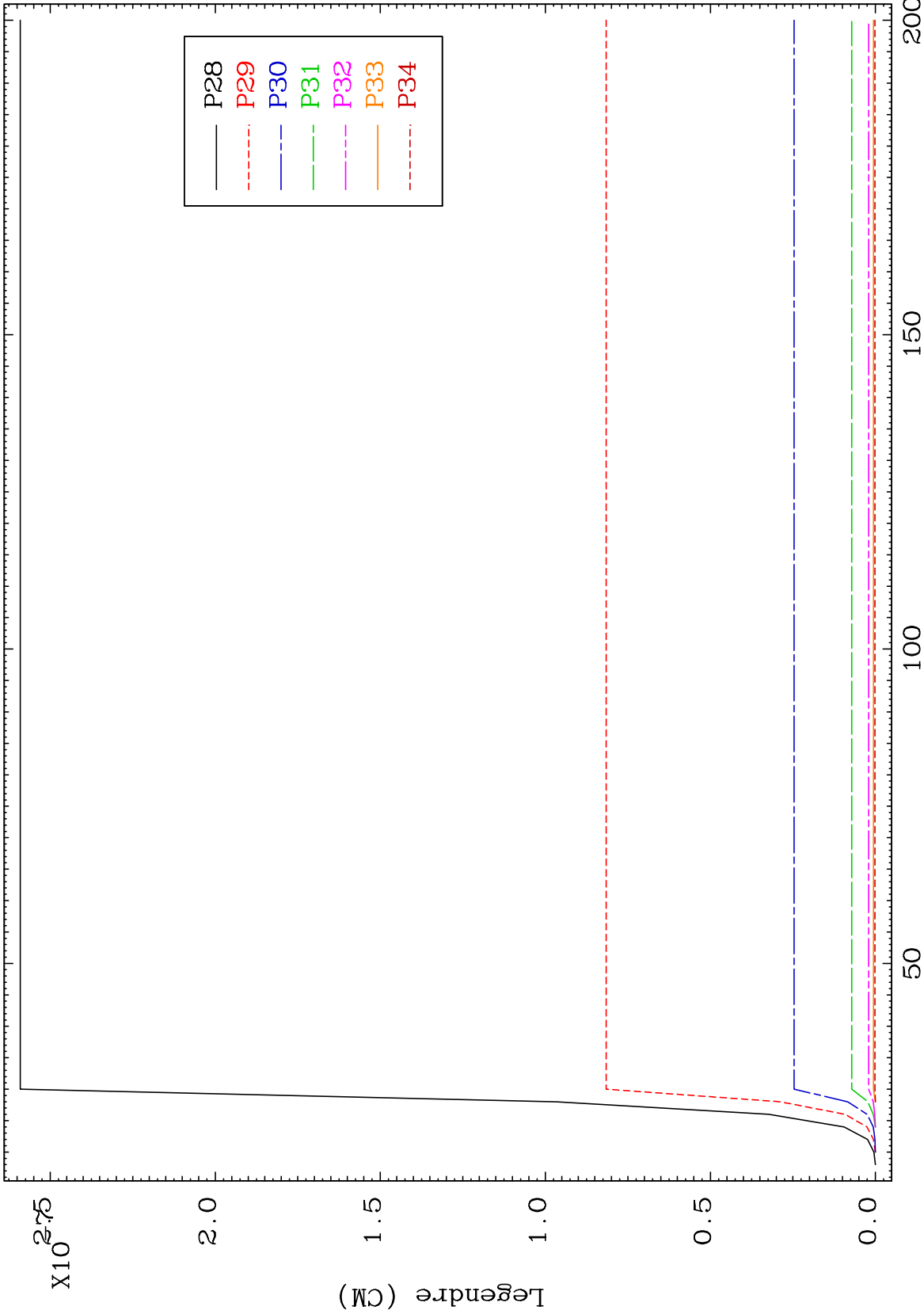
30-Zn-77



MAT 3064

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

30-Zn-77

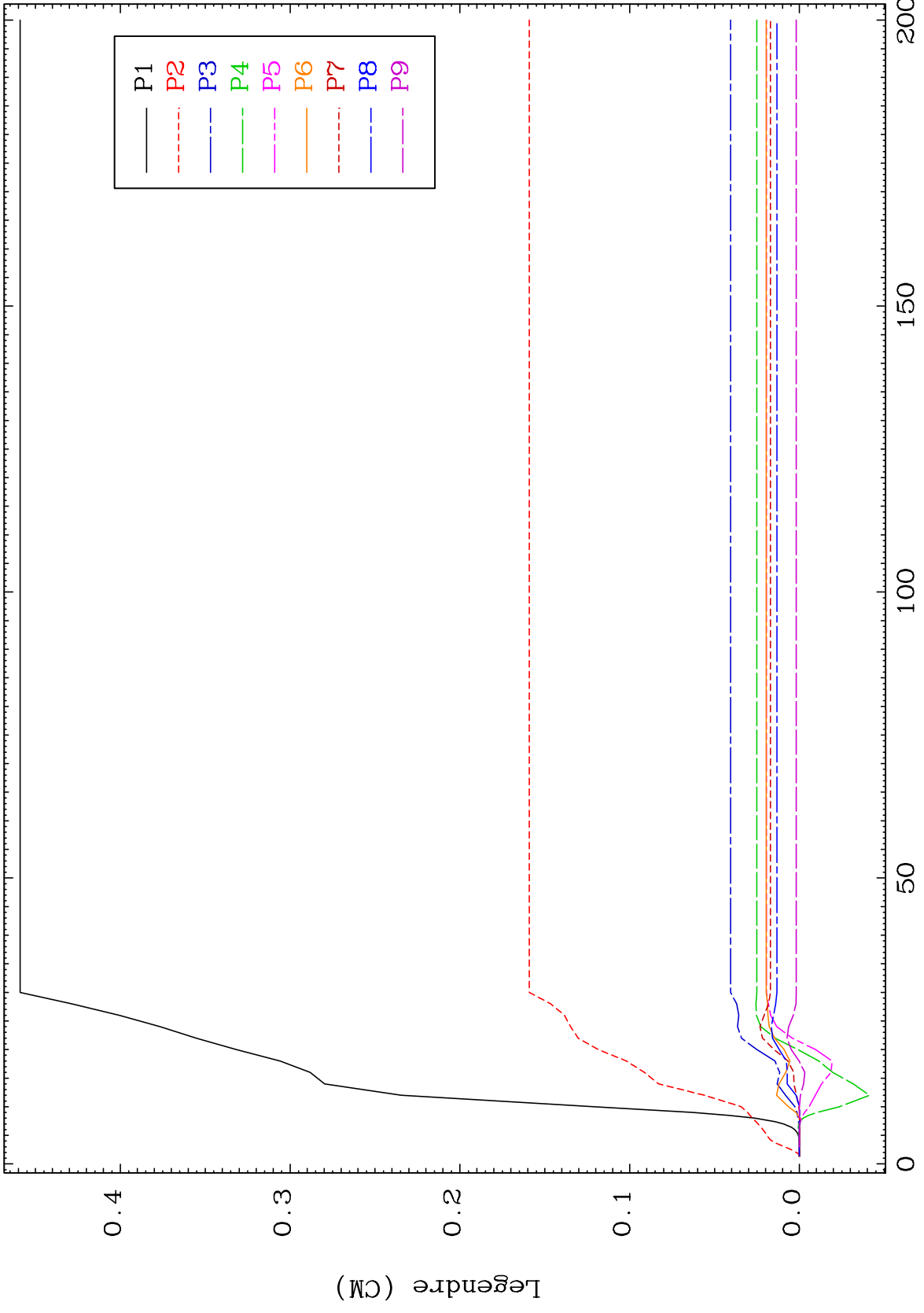


32

Incident Energy (MeV)

30-Zn-77

MAT 3064 MT= 55 (n,n') Level Legendre Coefficients 30-Zn-77

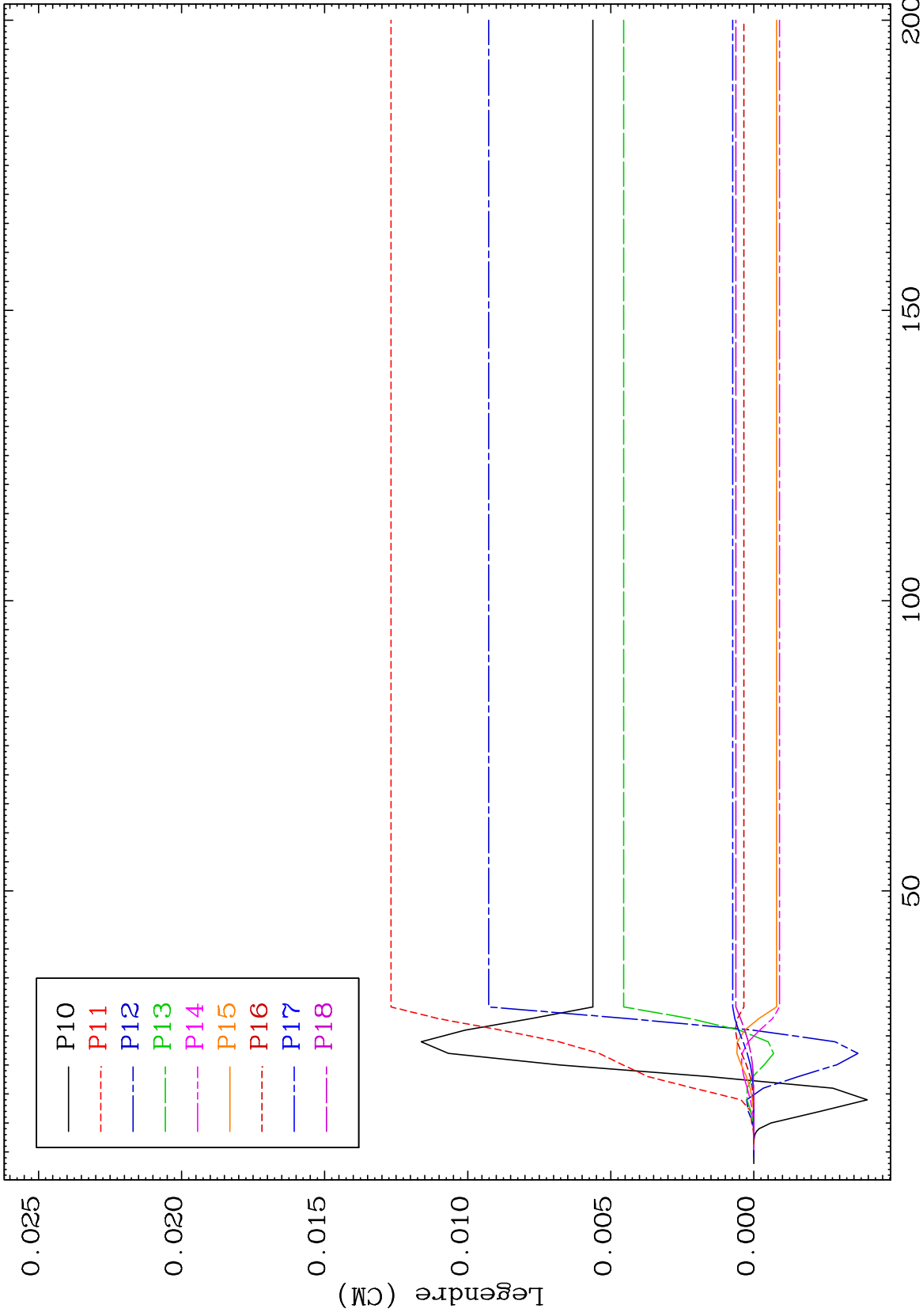


33 30-Zn-77

MAT 3064

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

30-Zn-77



34

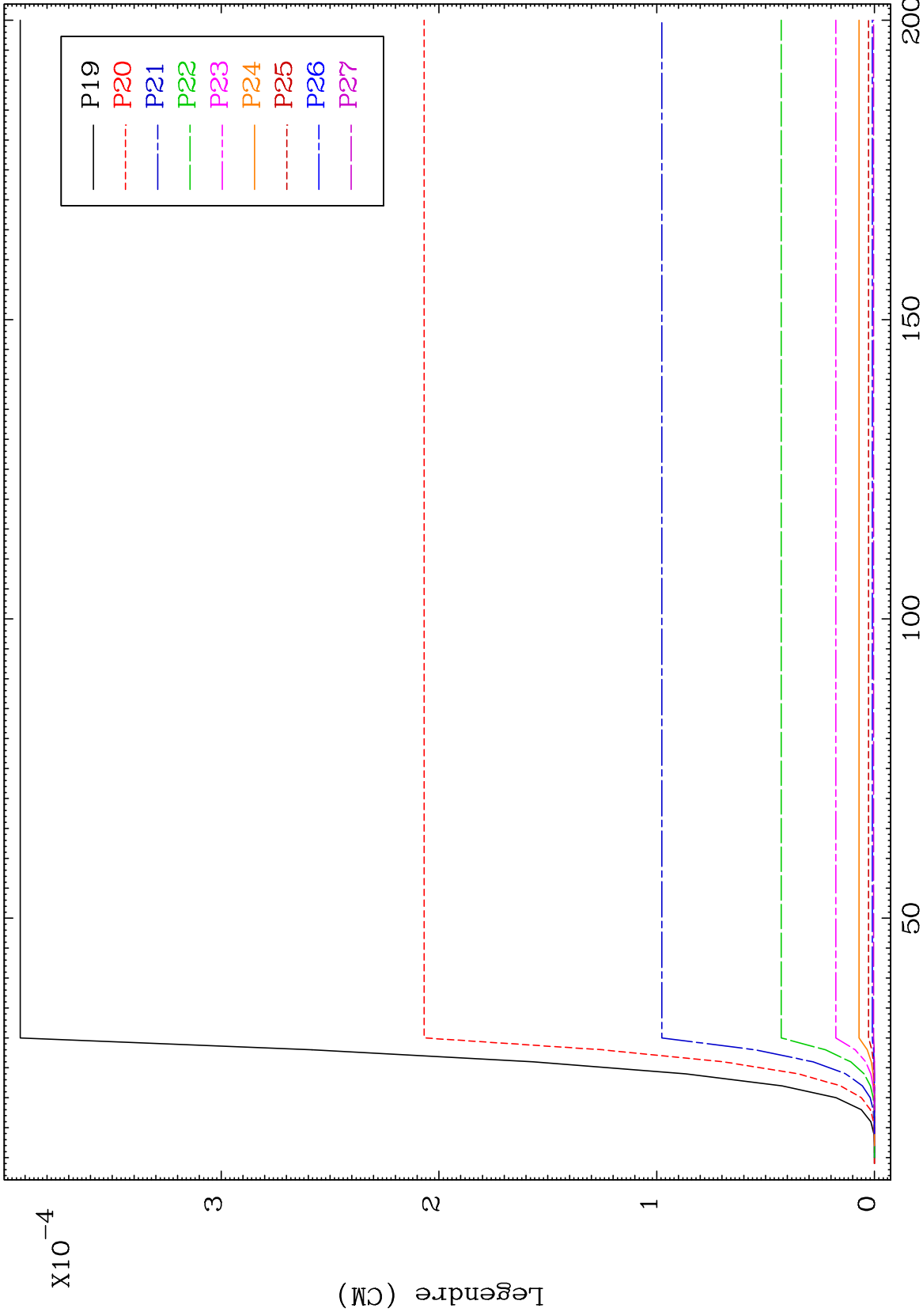
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

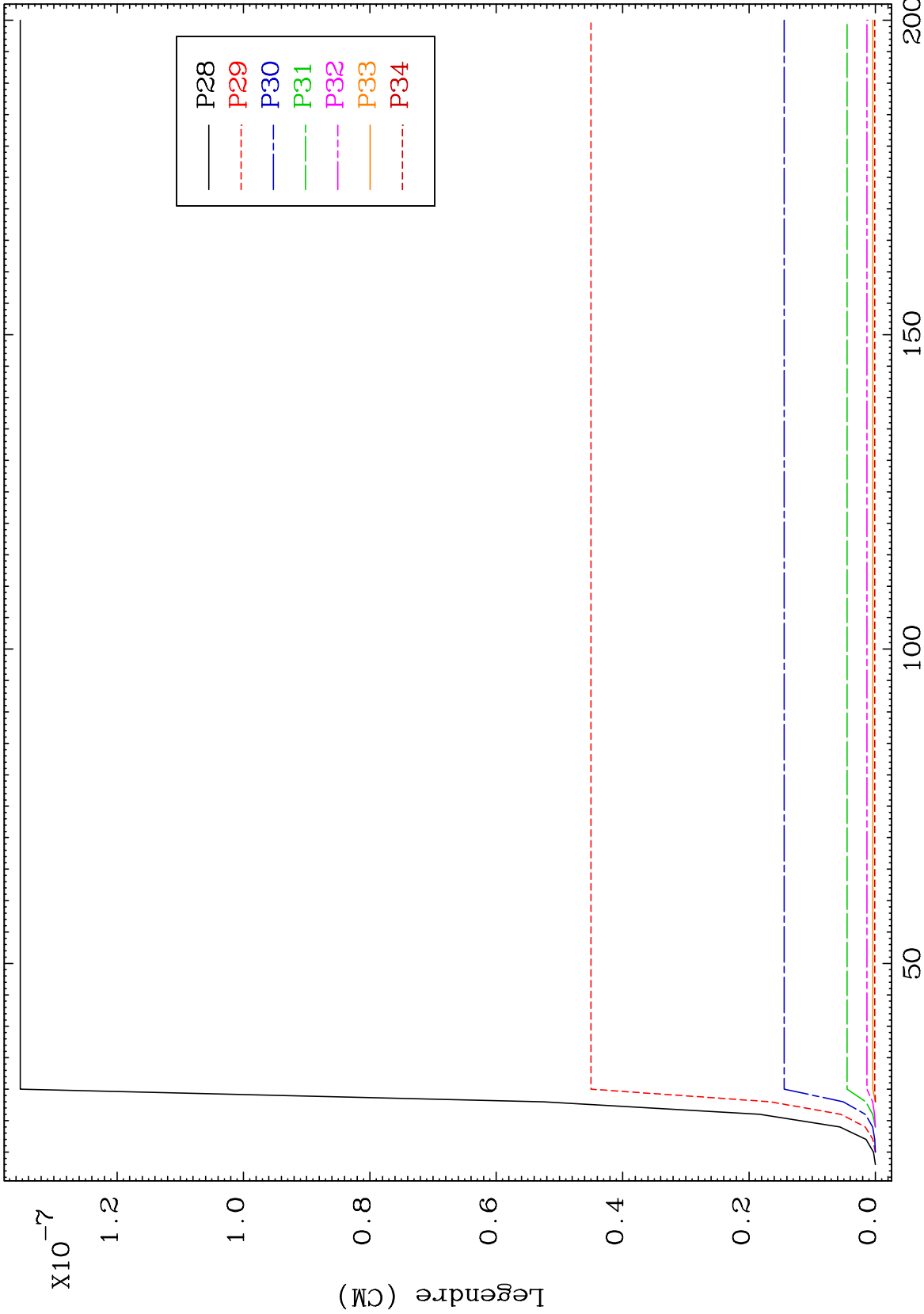
30-Zn-77



MAT 3064

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

30-Zn-77



36

Incident Energy (MeV)

30-Zn-77

MAT 3064 MT= 56 (n,n') Level Legendre Coefficients 30-Zn-77

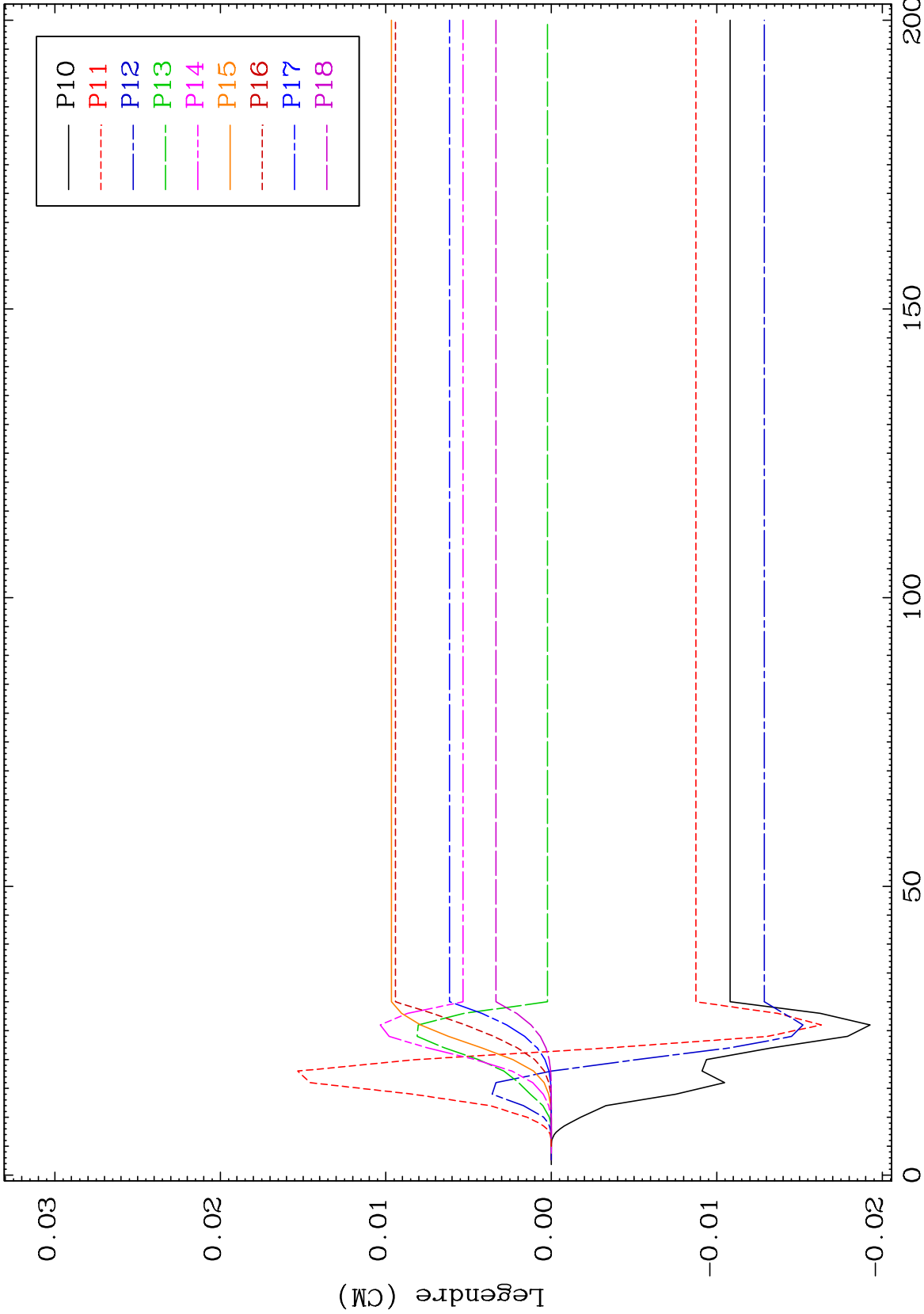


37 Incident Energy (MeV) 30-Zn-77

MAT 3064

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

30-Zn-77



38

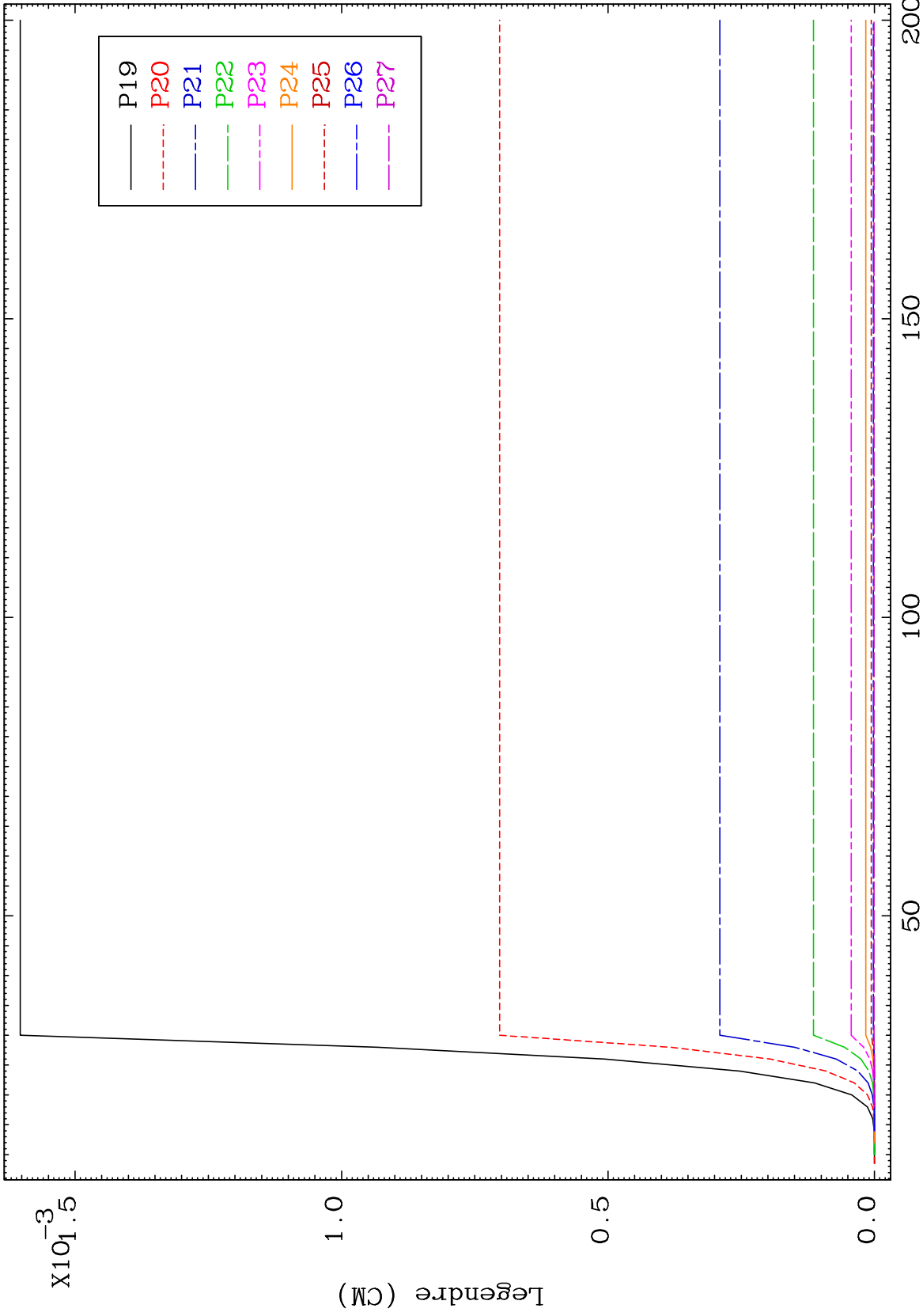
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77

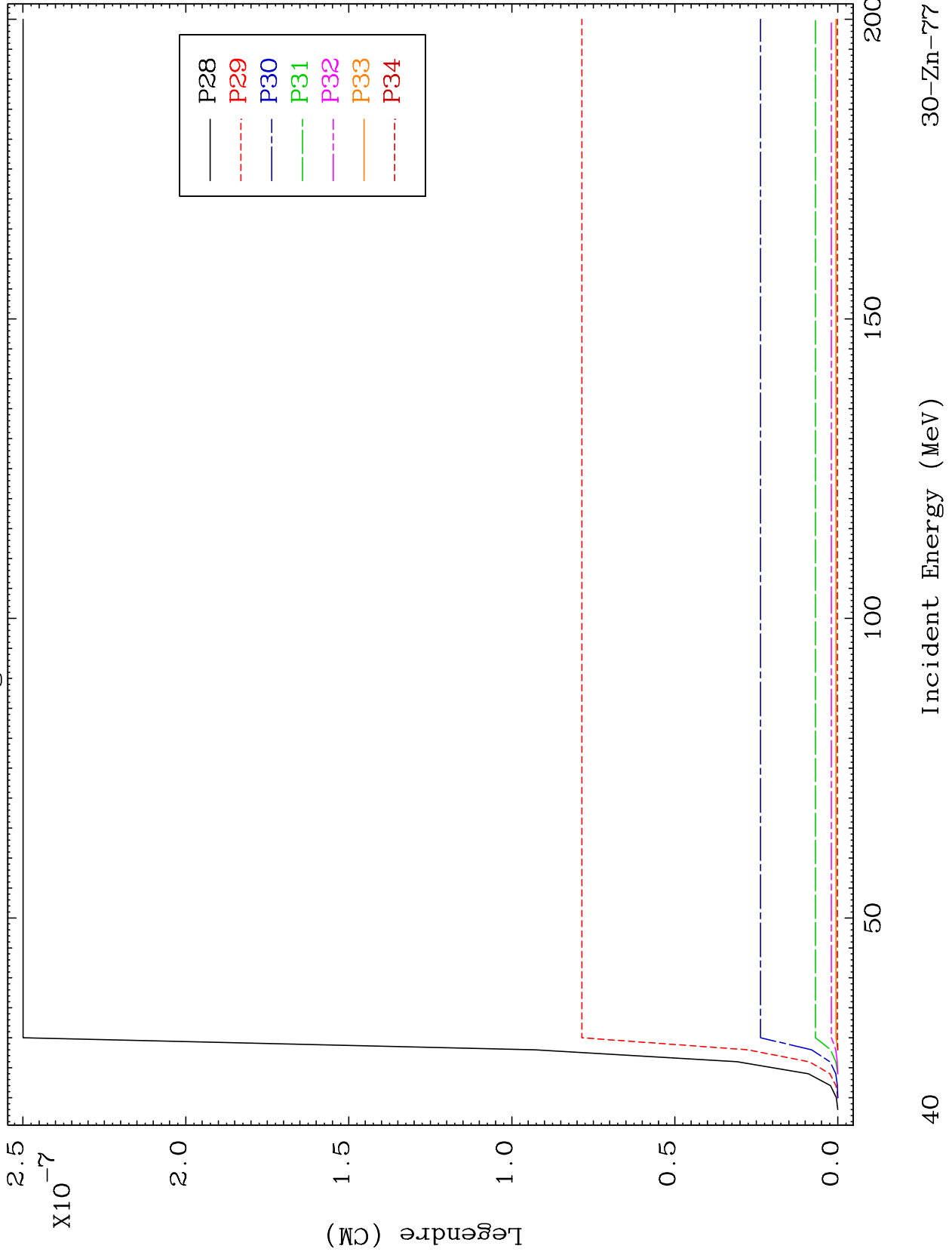


39

Incident Energy (MeV)

30-Zn-77

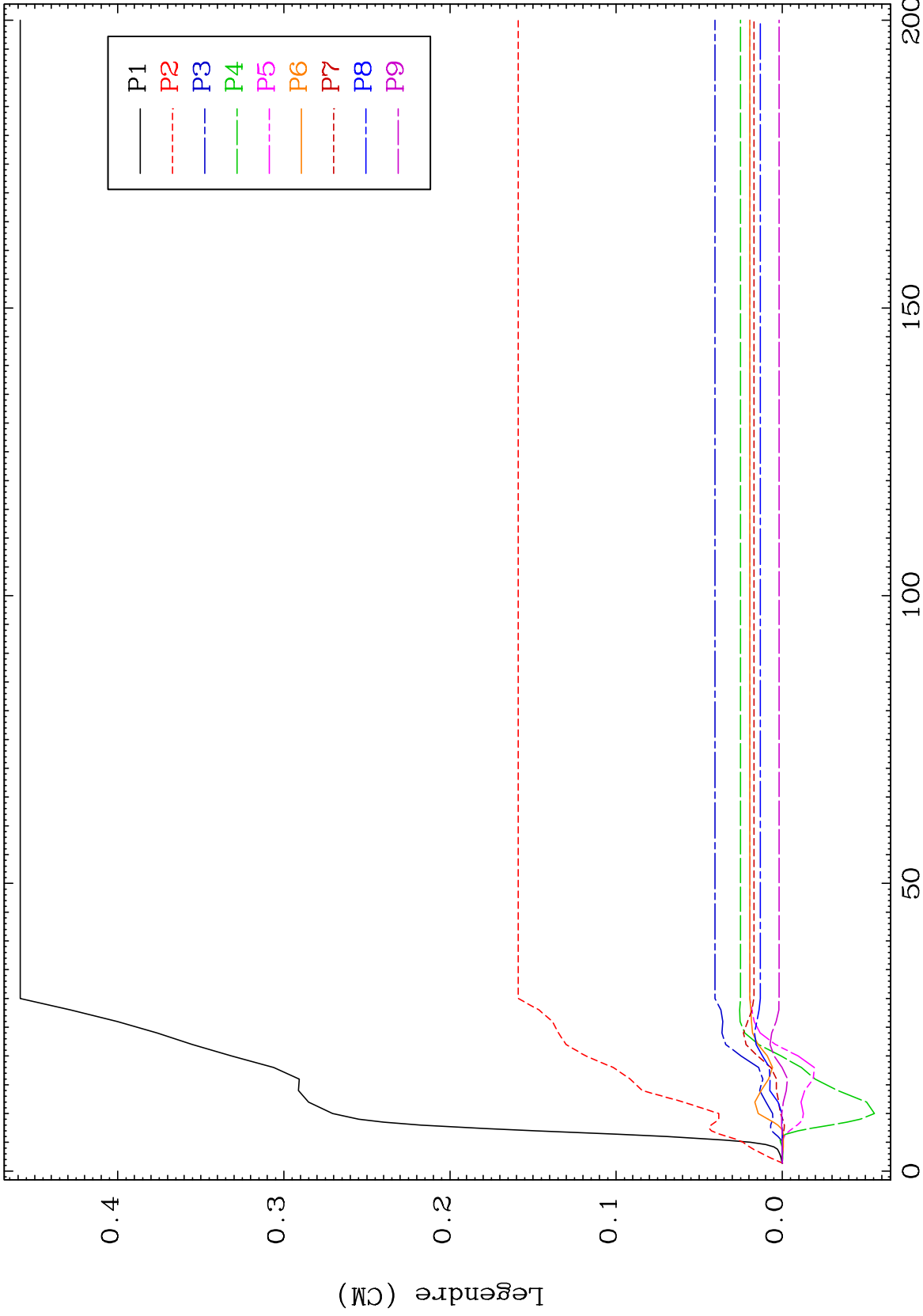
MAT 3064 MT= 56 (n,n') Level Legendre Coefficients 30-Zn-77



MAT 3064

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

30-Zn-77



41

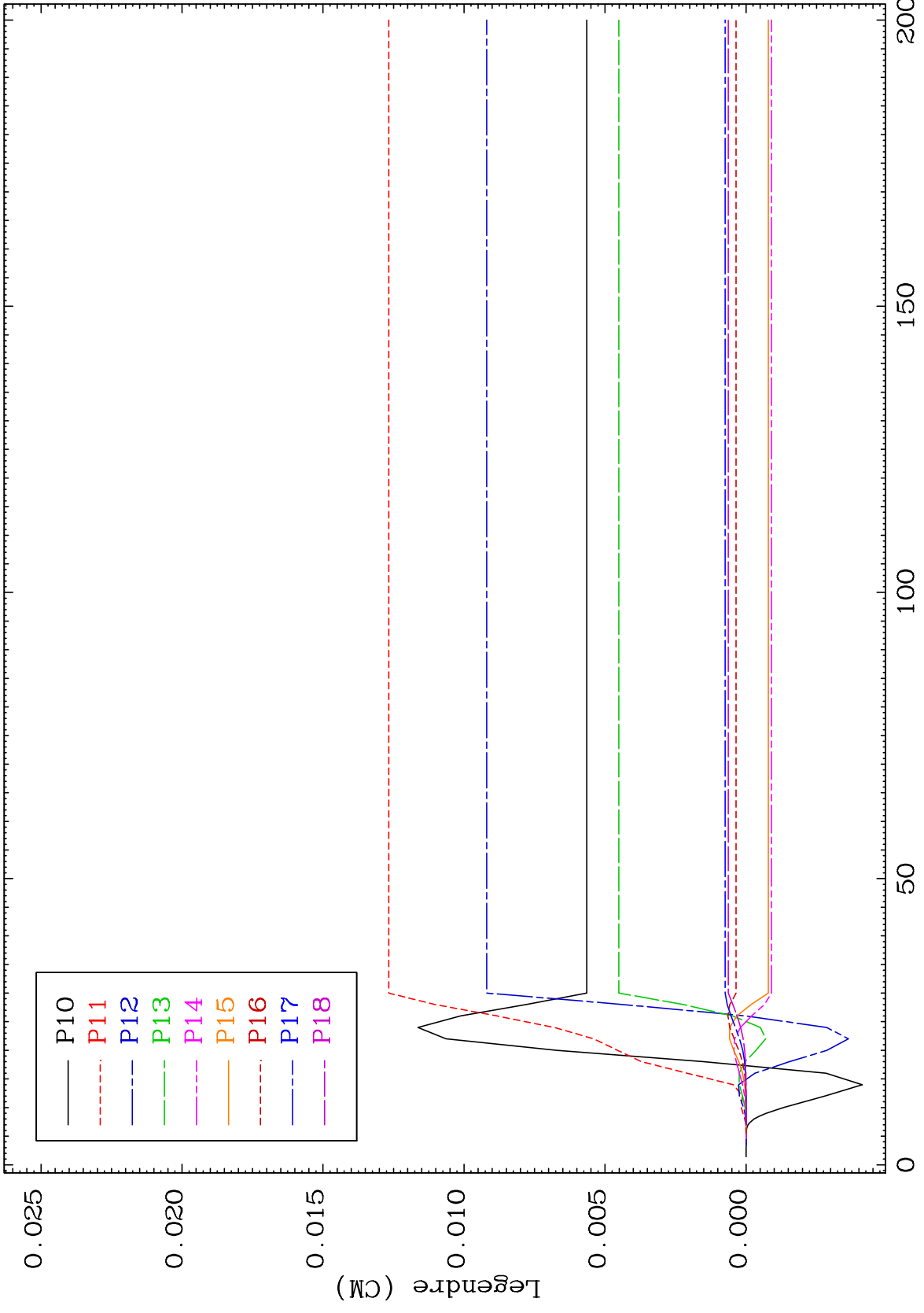
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

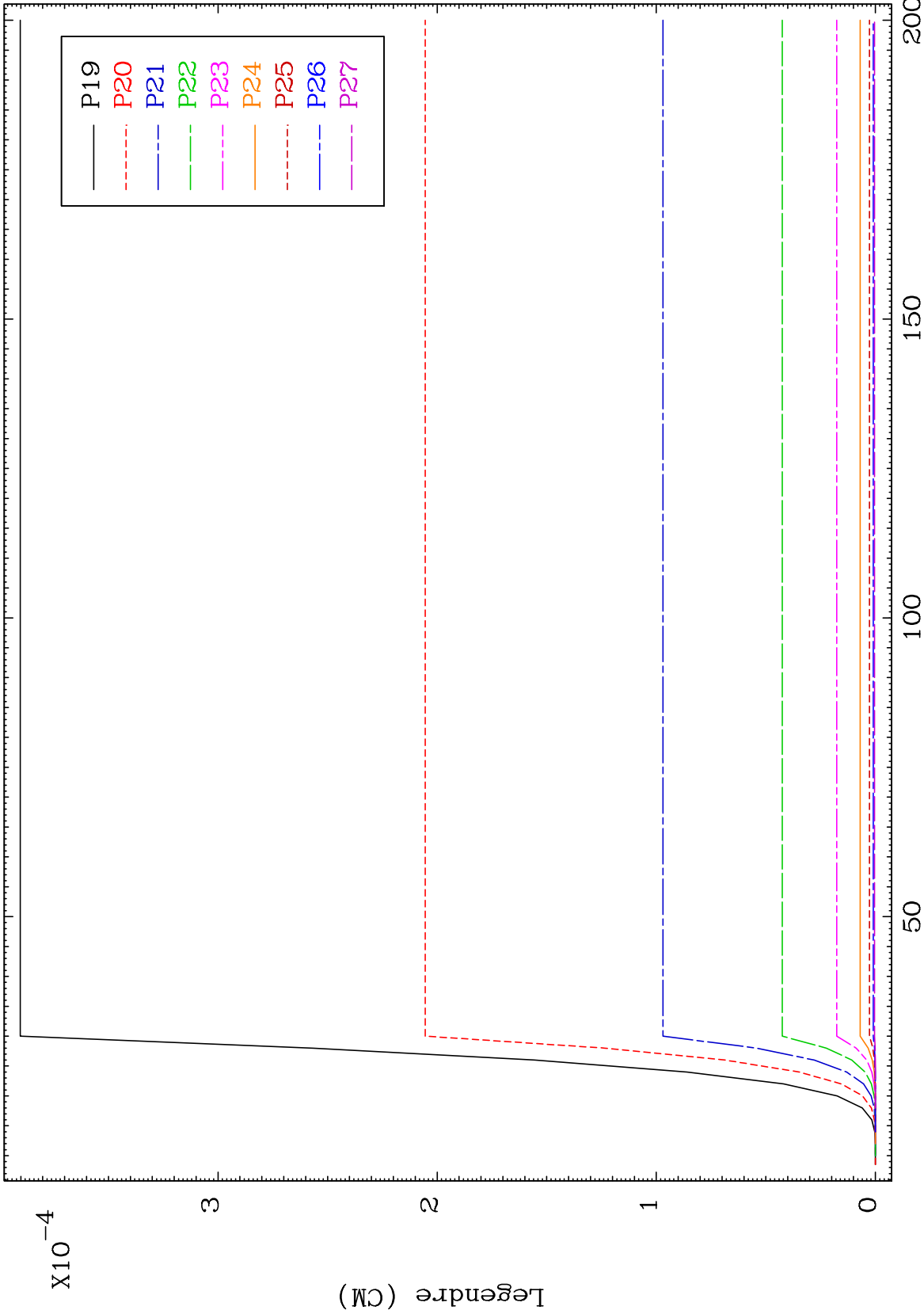
30-Zn-77



MAT 3064

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

30-Zn-77

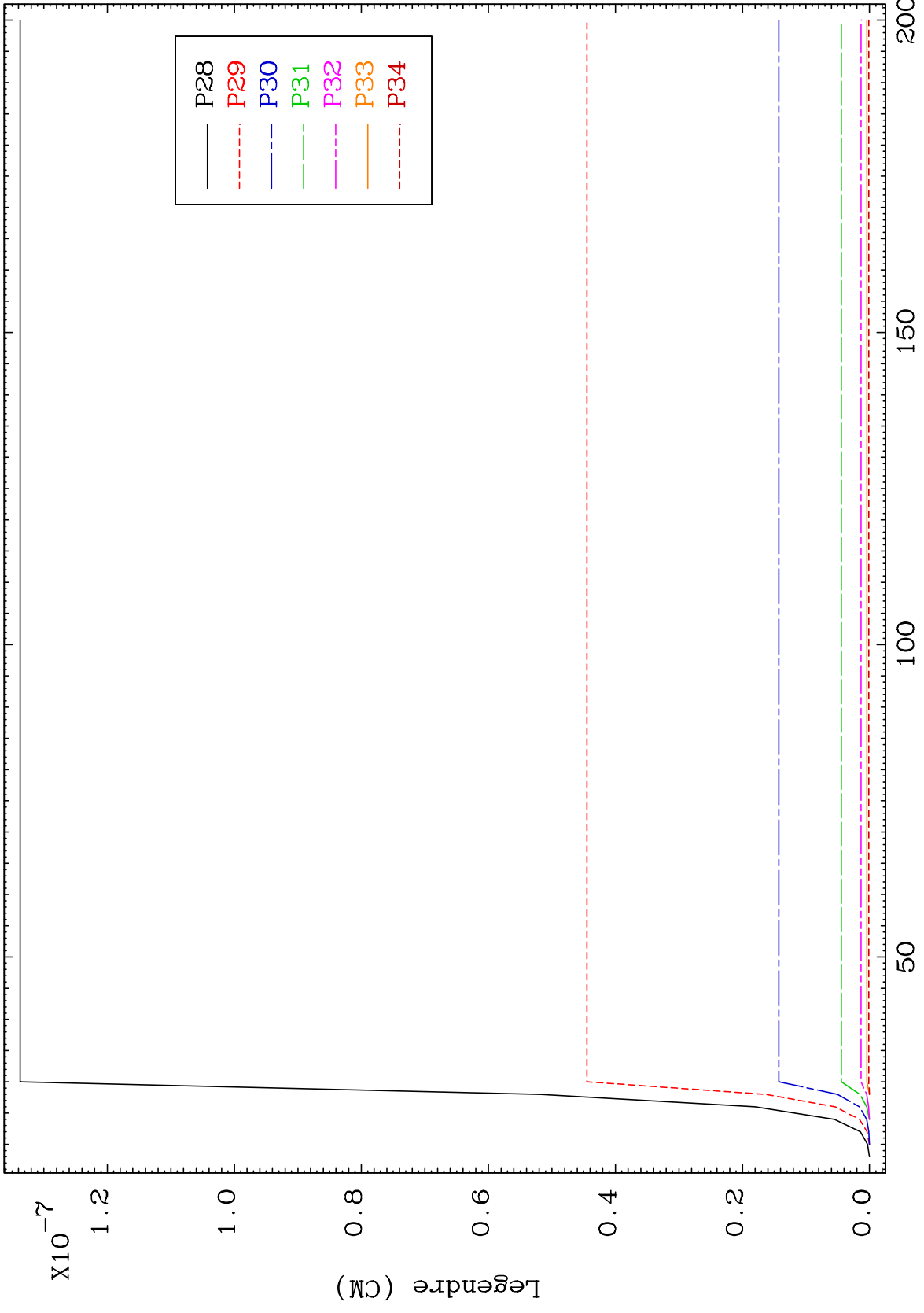


43

Incident Energy (MeV)

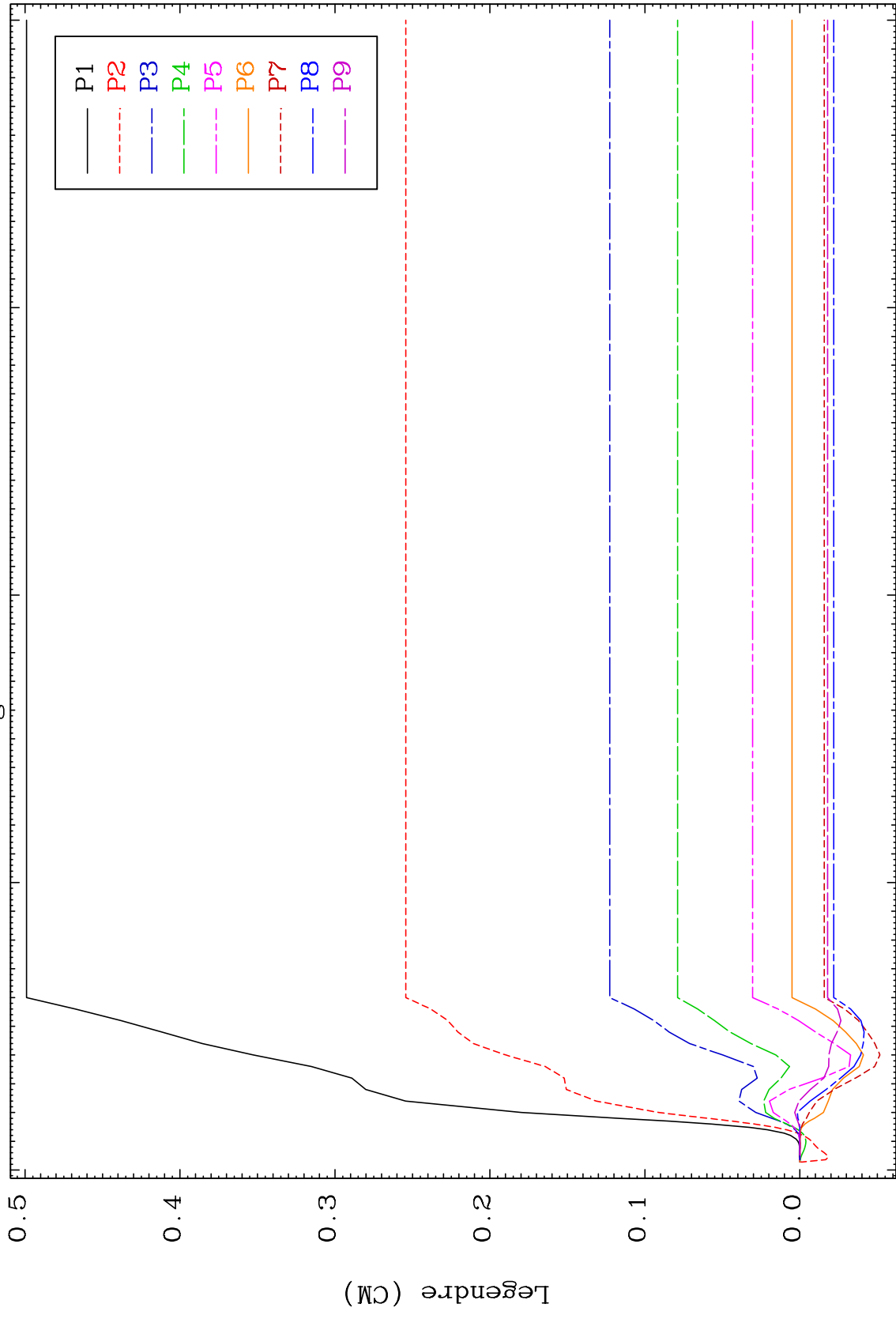
30-Zn-77

MAT 3064 MT= 57 (n,n') Level Legendre Coefficients 30-Zn-77



44 30-Zn-77

MAT 3064 MT= 58 (n,n') Level Legendre Coefficients 30-Zn-77

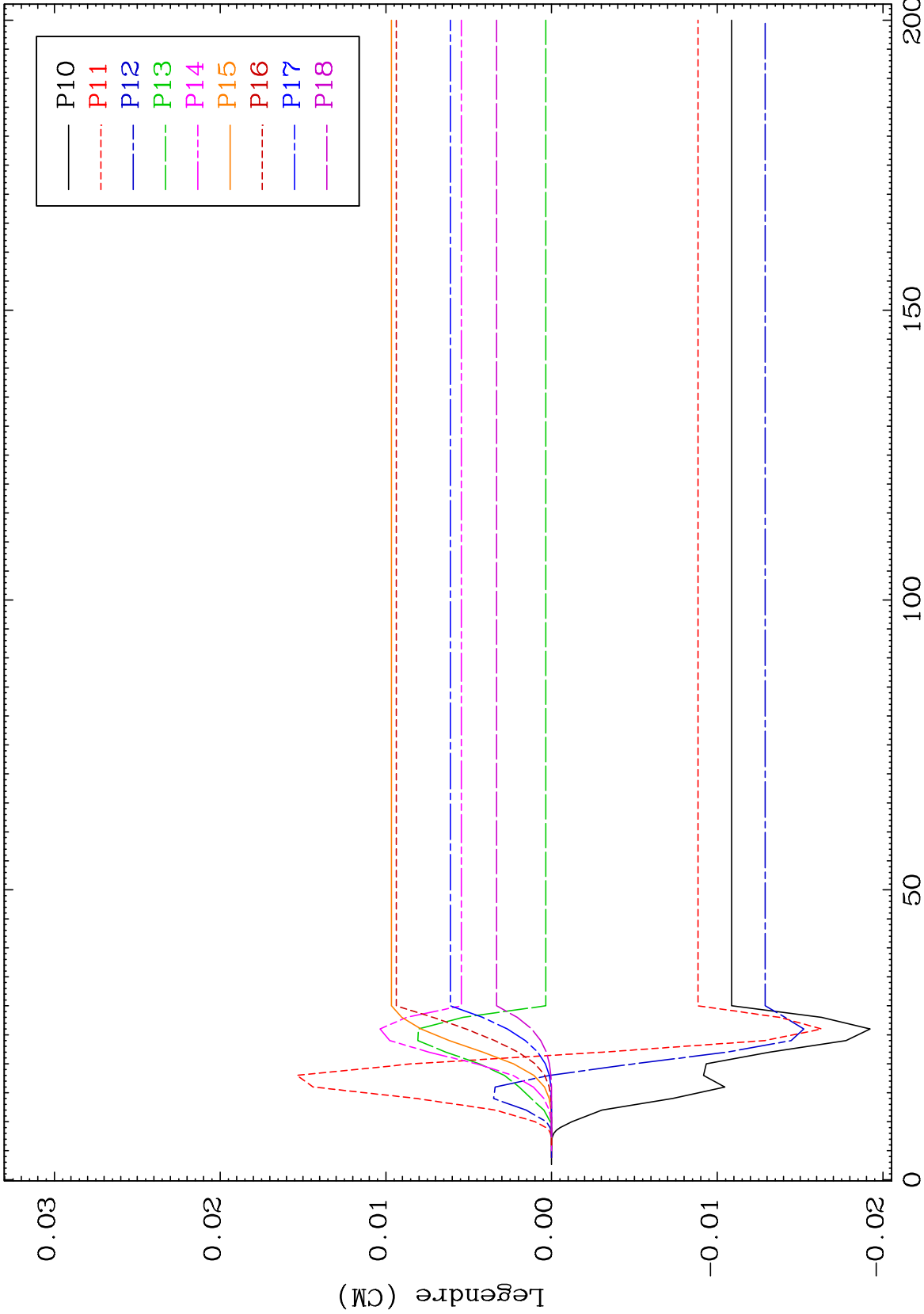


45 Incident Energy (MeV) 30-Zn-77

MAT 3064

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

30-Zn-77



46

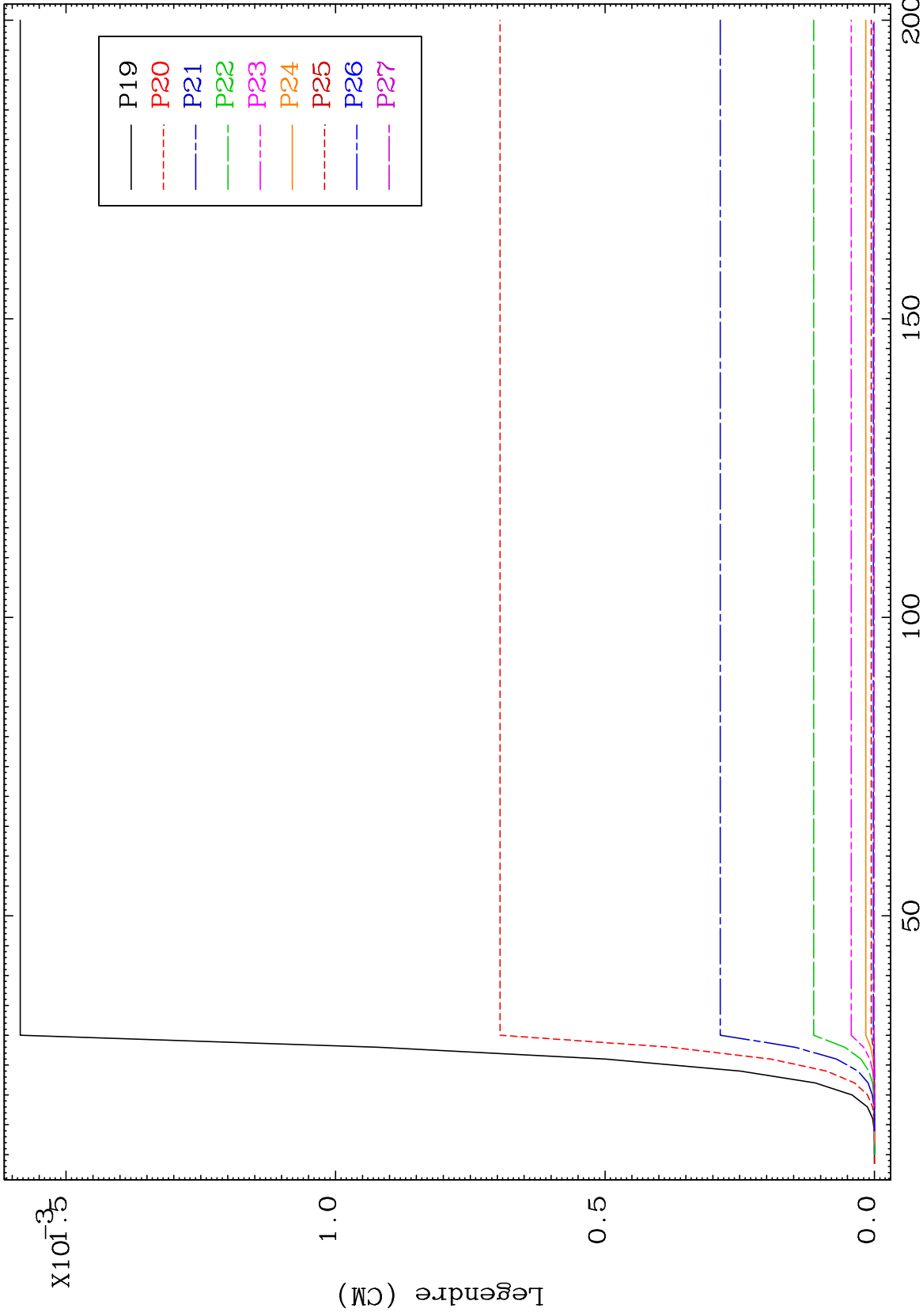
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77

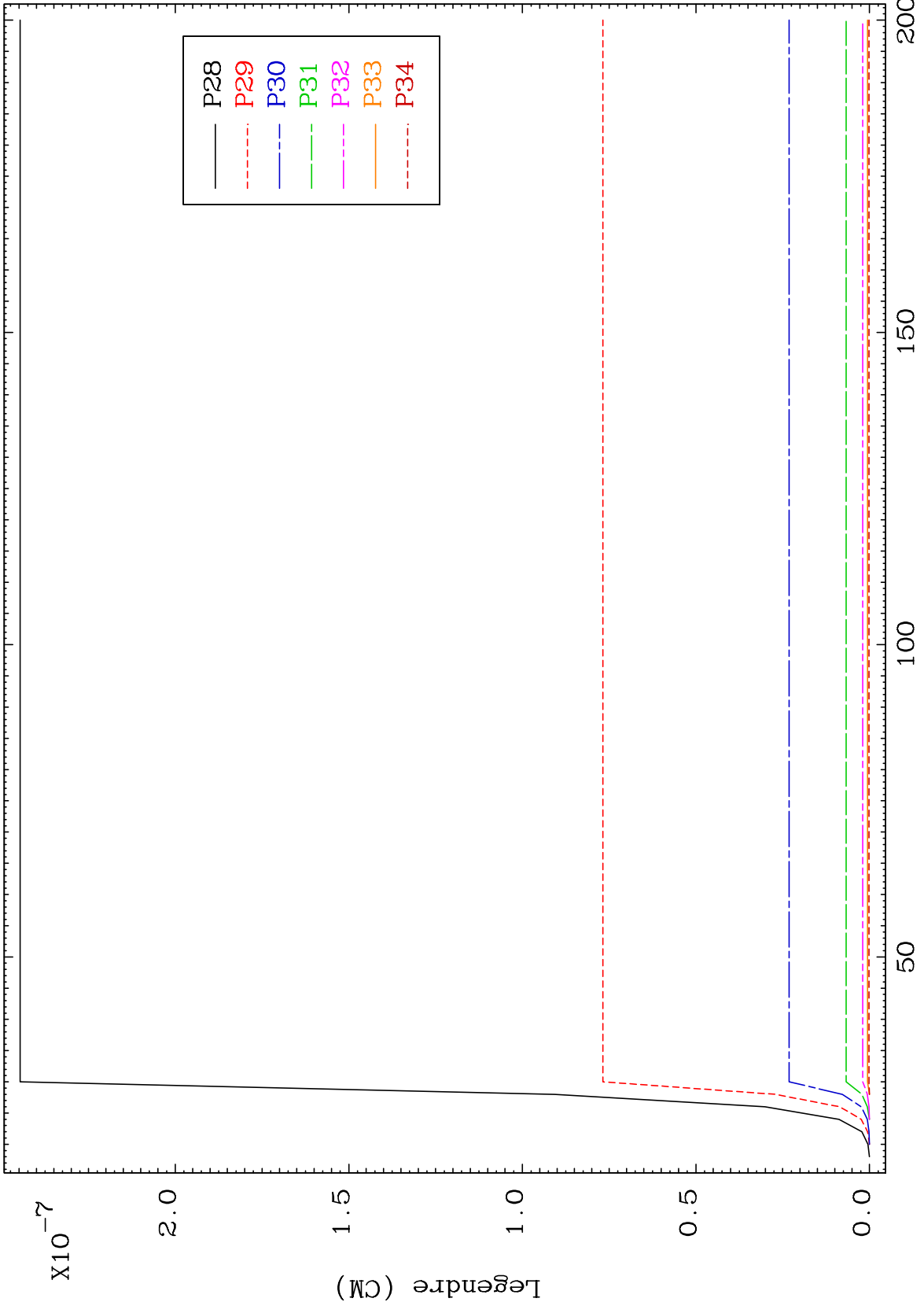


47

Incident Energy (MeV)

30-Zn-77

MAT 3064 MT= 58 (n,n') Level Legendre Coefficients 30-Zn-77

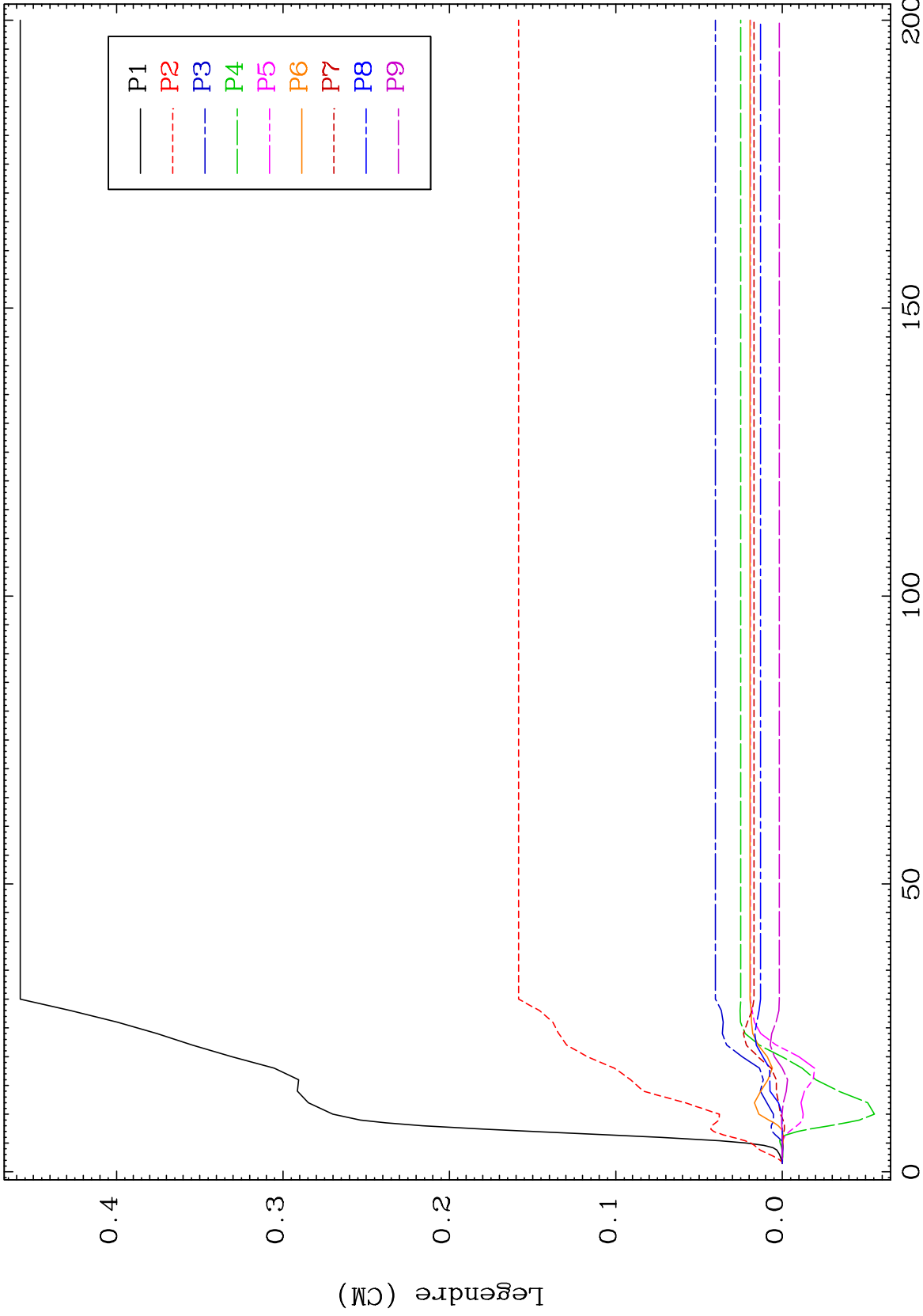


48 Incident Energy (MeV) 30-Zn-77

MAT 3064

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

30-Zn-77



49

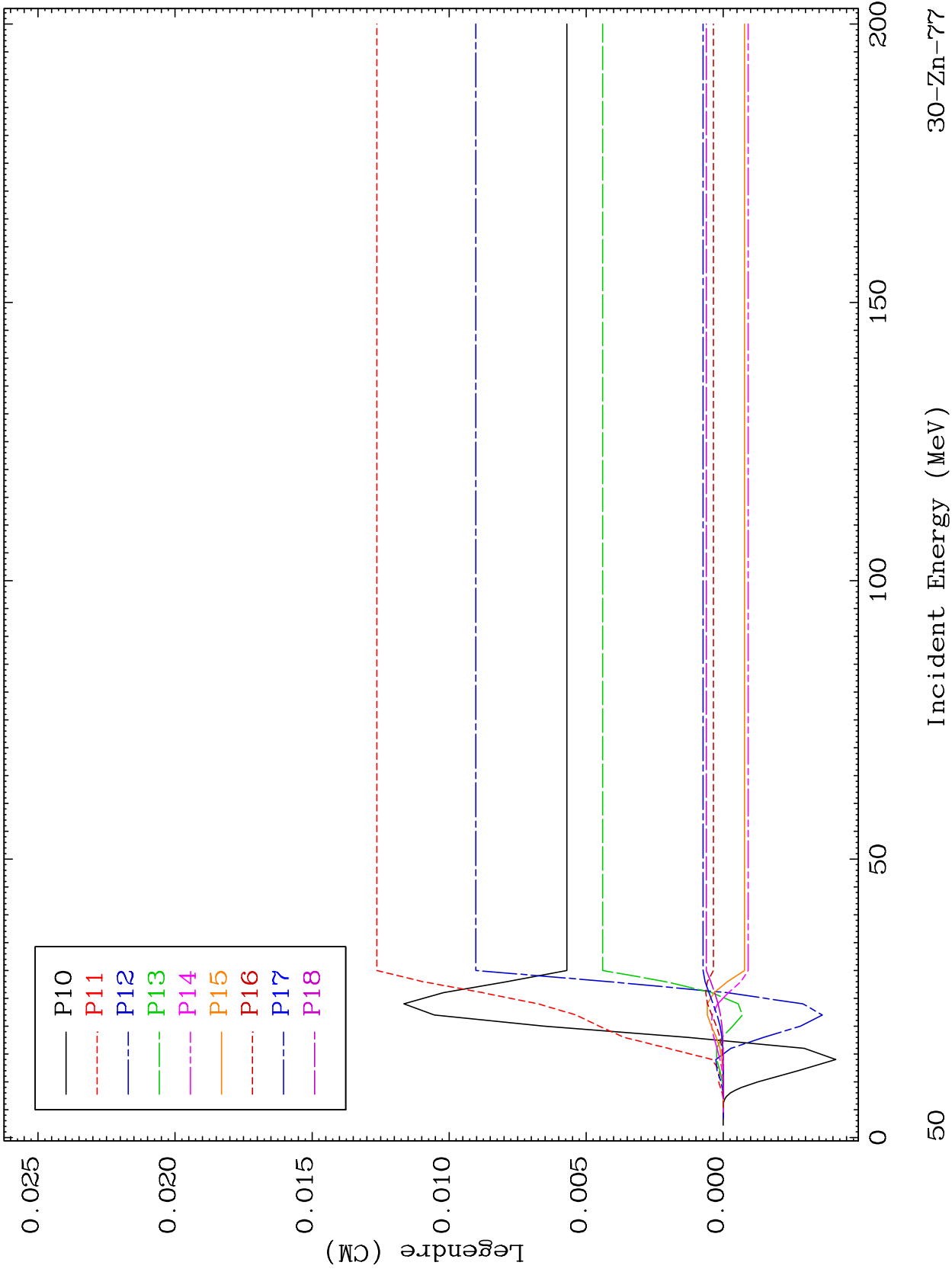
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

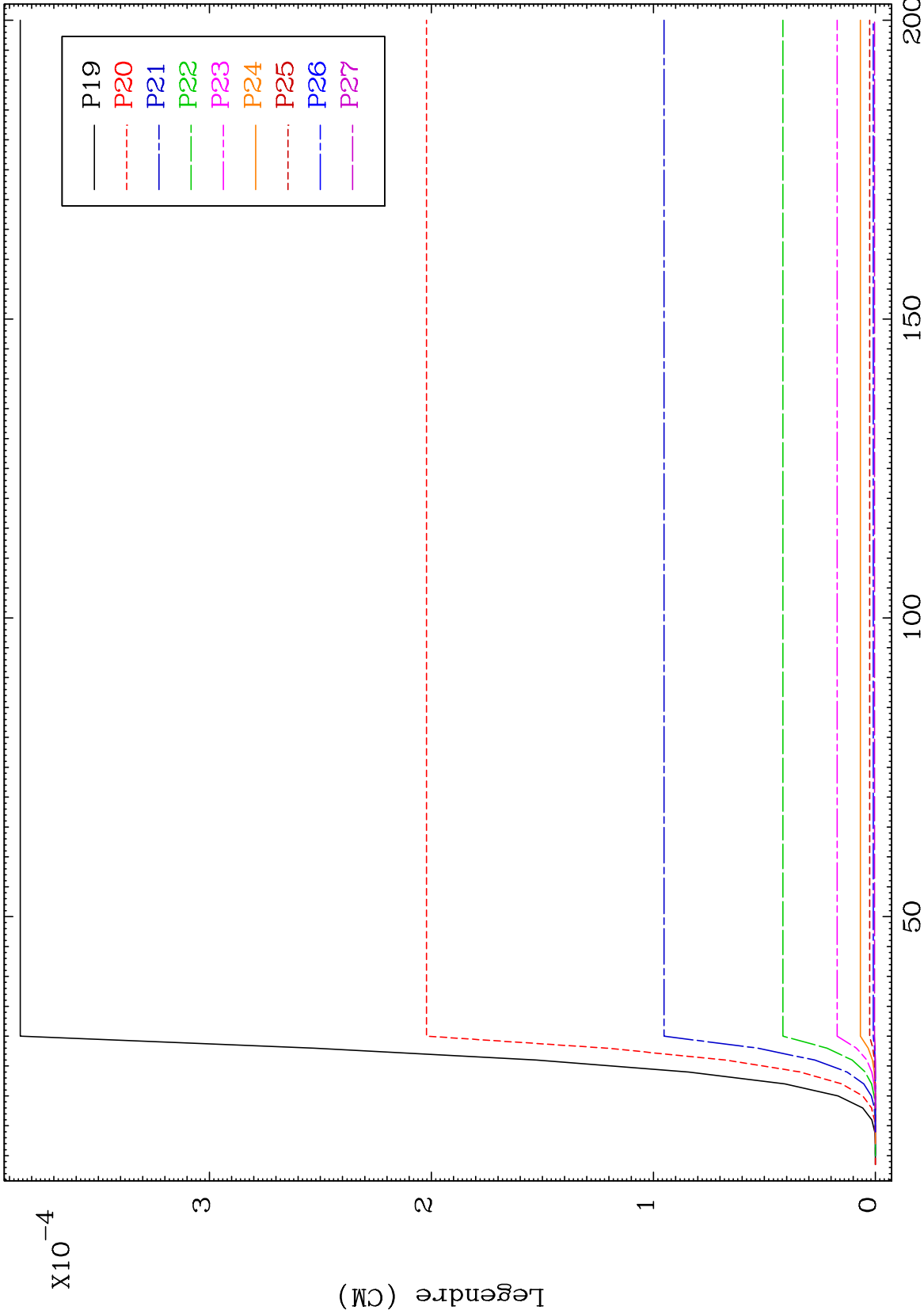
30-Zn-77



MAT 3064

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

30-Zn-77

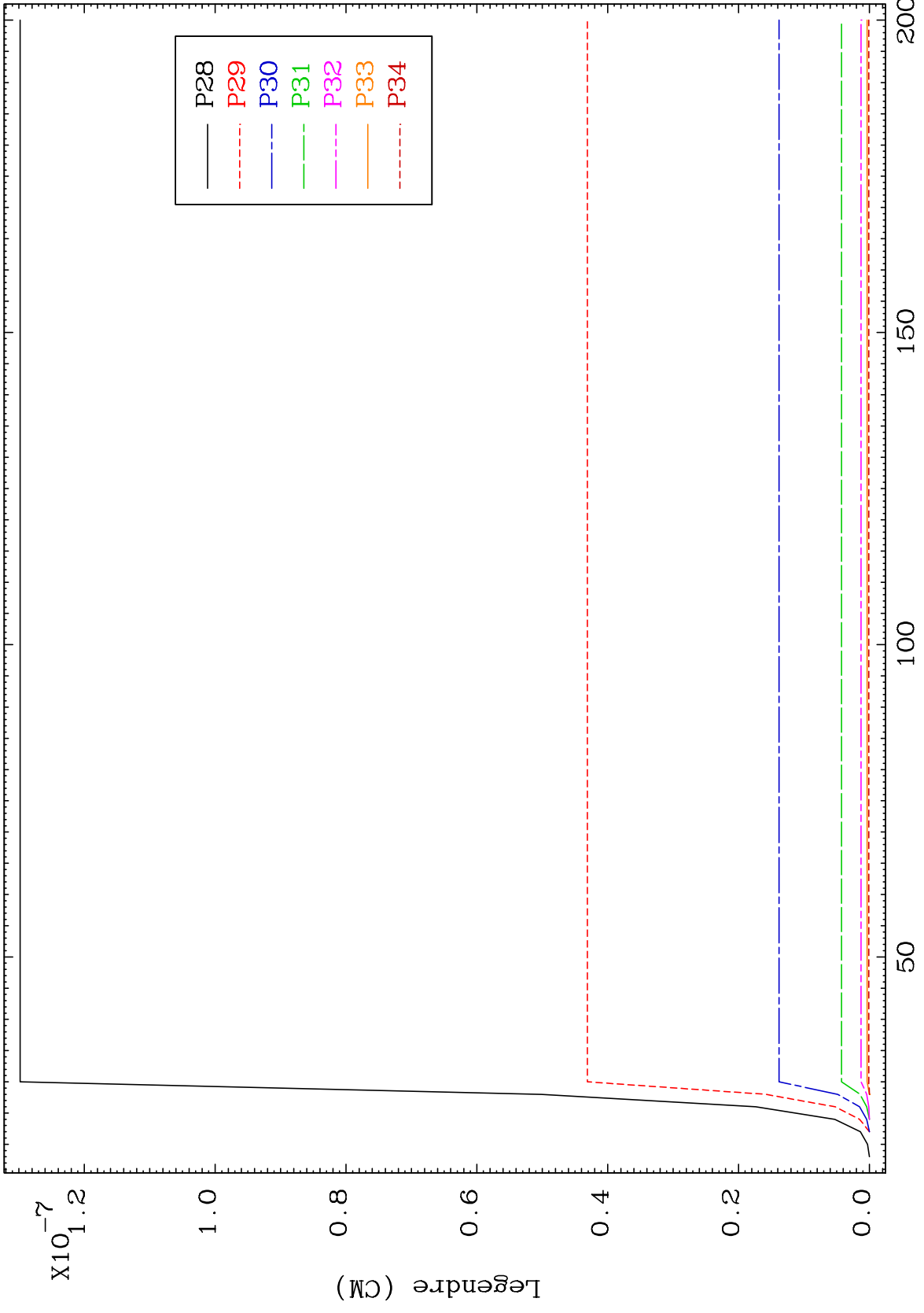


51

Incident Energy (MeV)

30-Zn-77

MAT 3064 MT= 59 (n,n') Level Legendre Coefficients 30-Zn-77

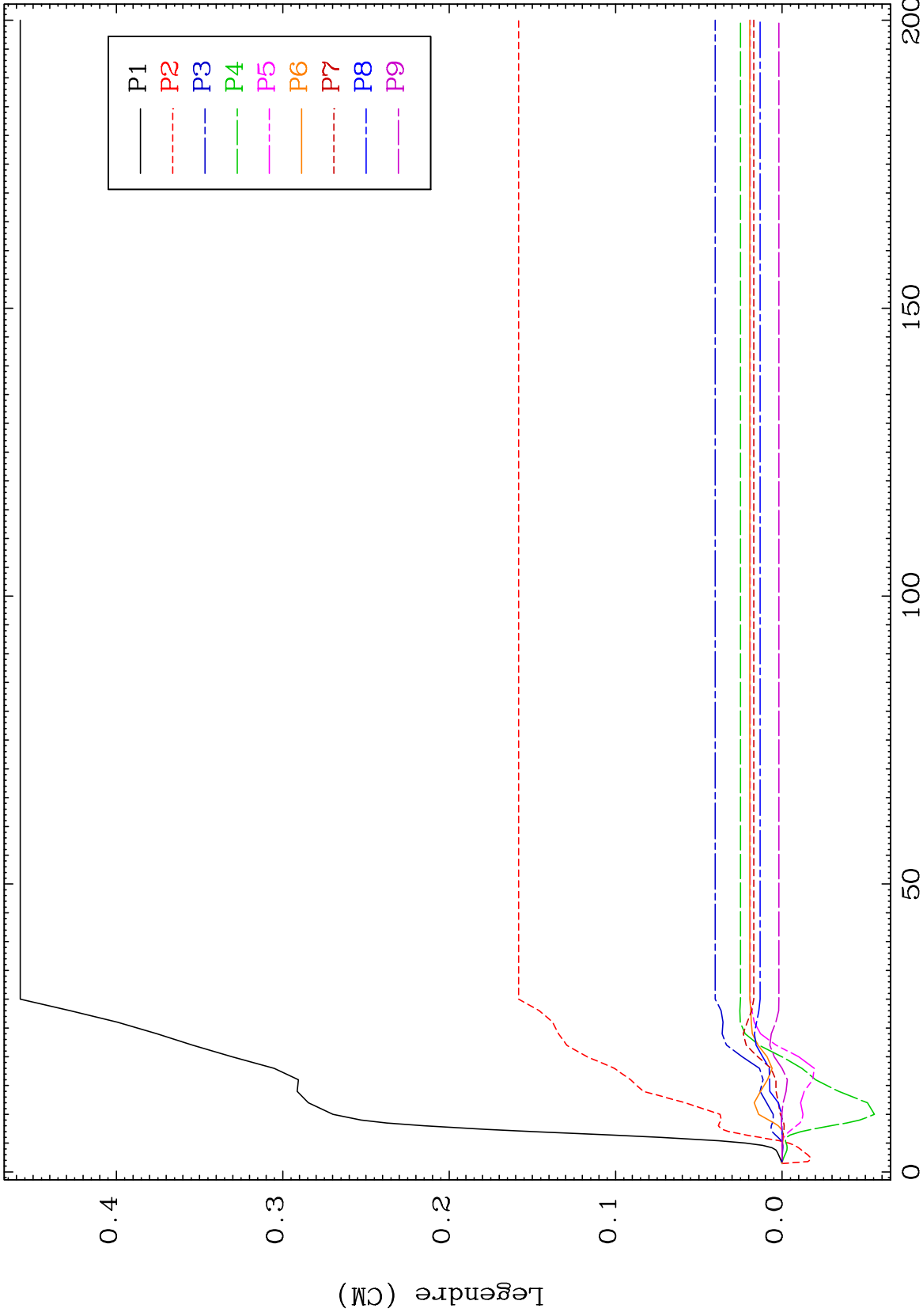


52 Incident Energy (MeV) 30-Zn-77

MAT 3064

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

30-Zn-77



53

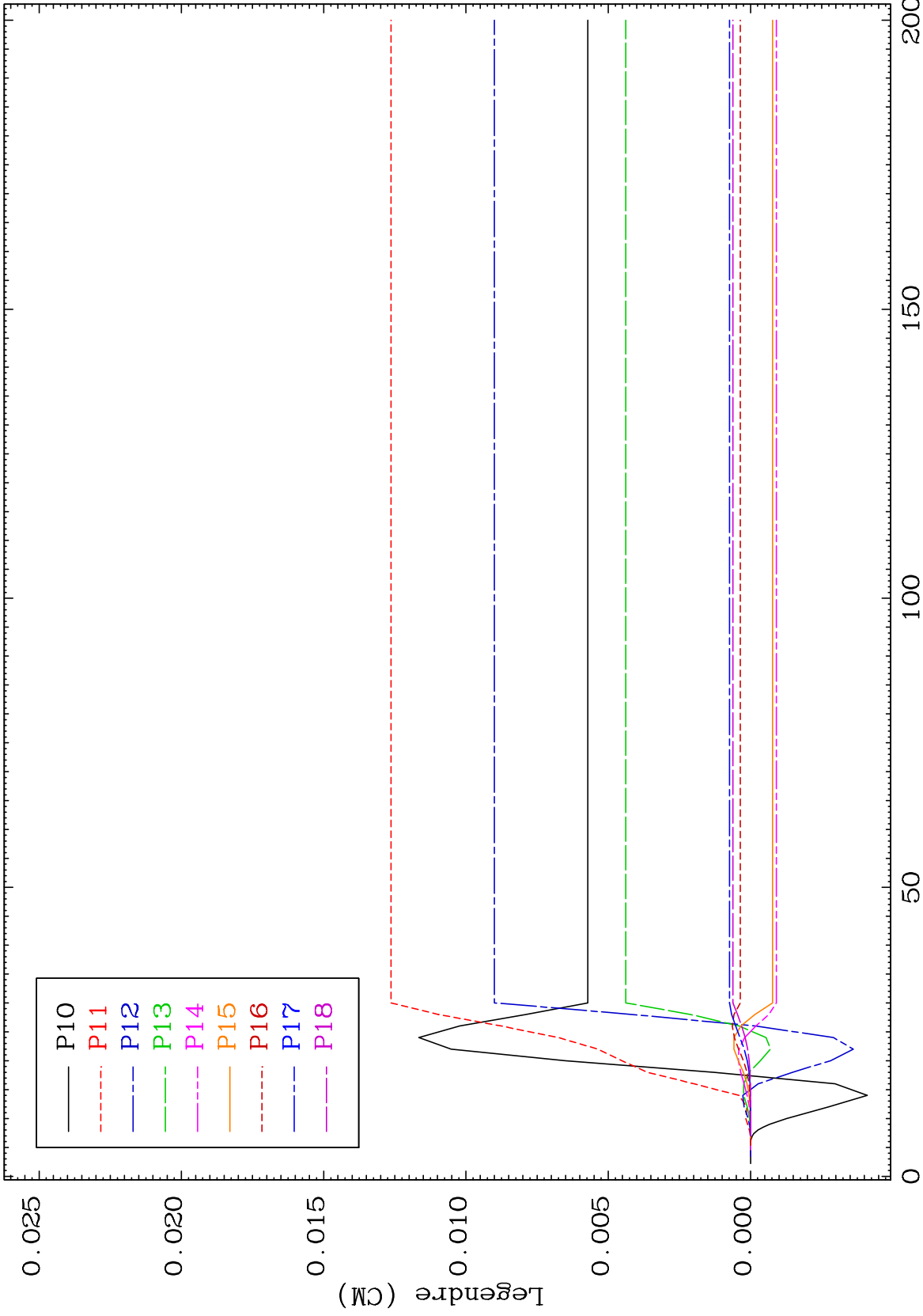
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



54

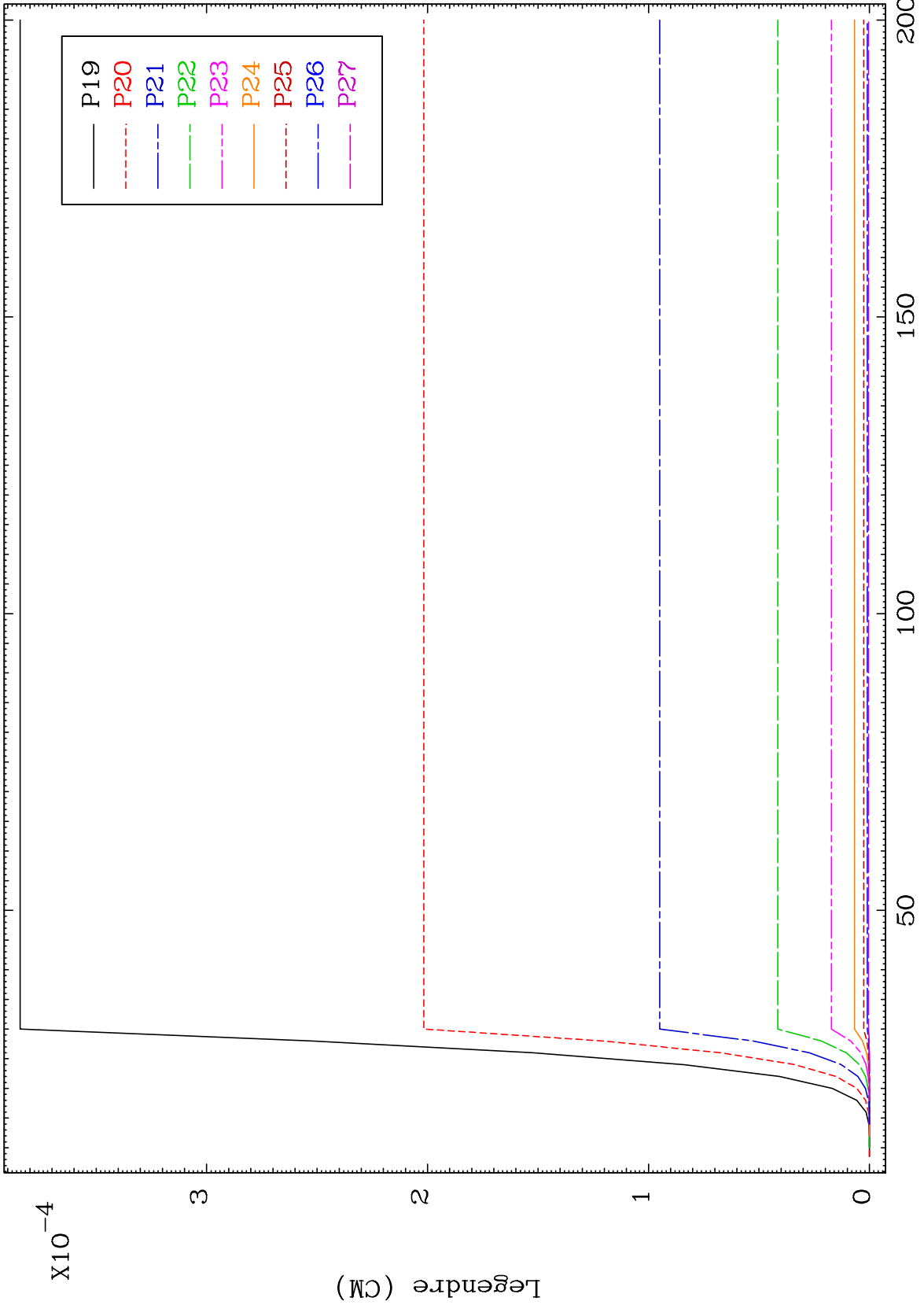
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77

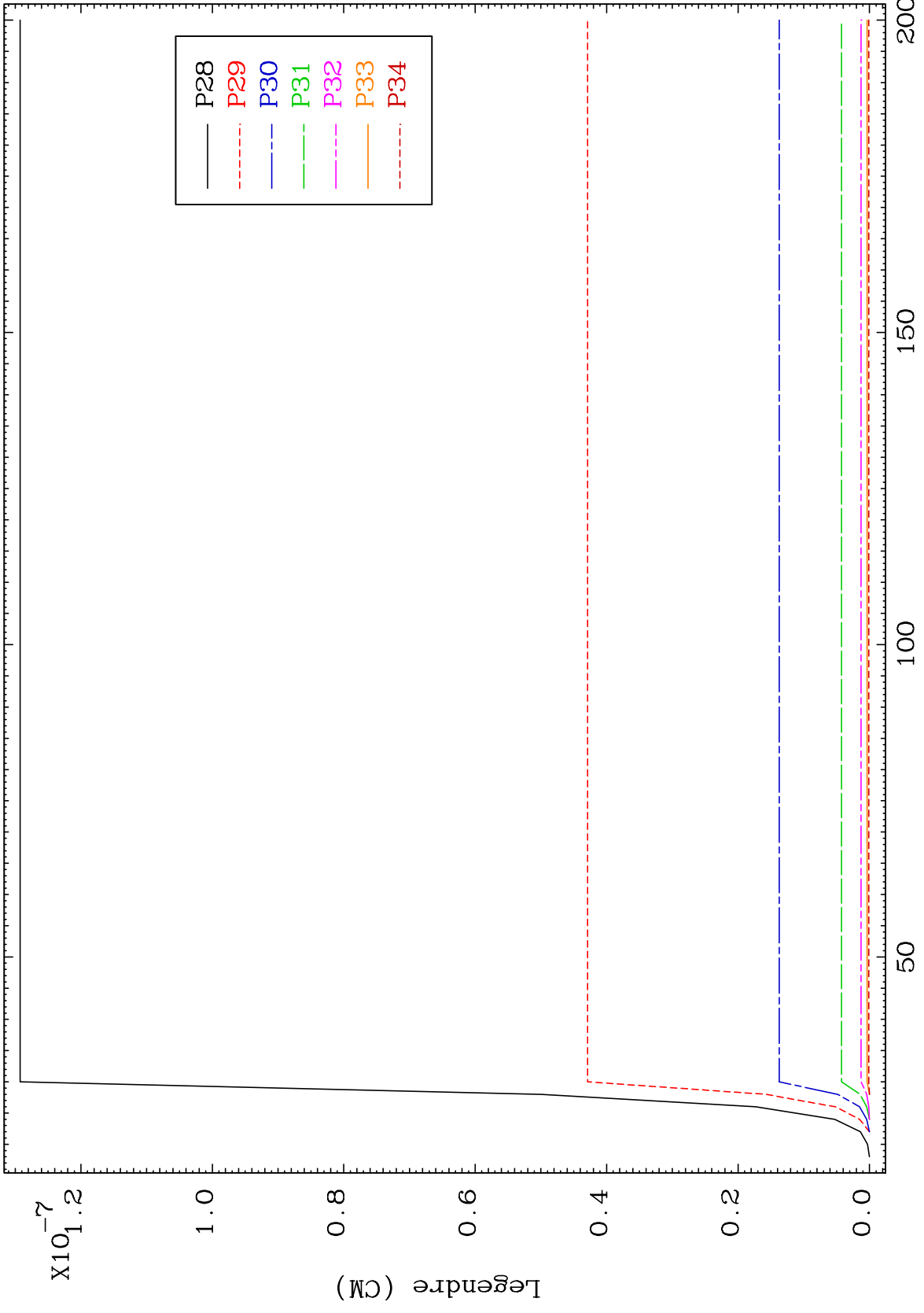


55

Incident Energy (MeV)

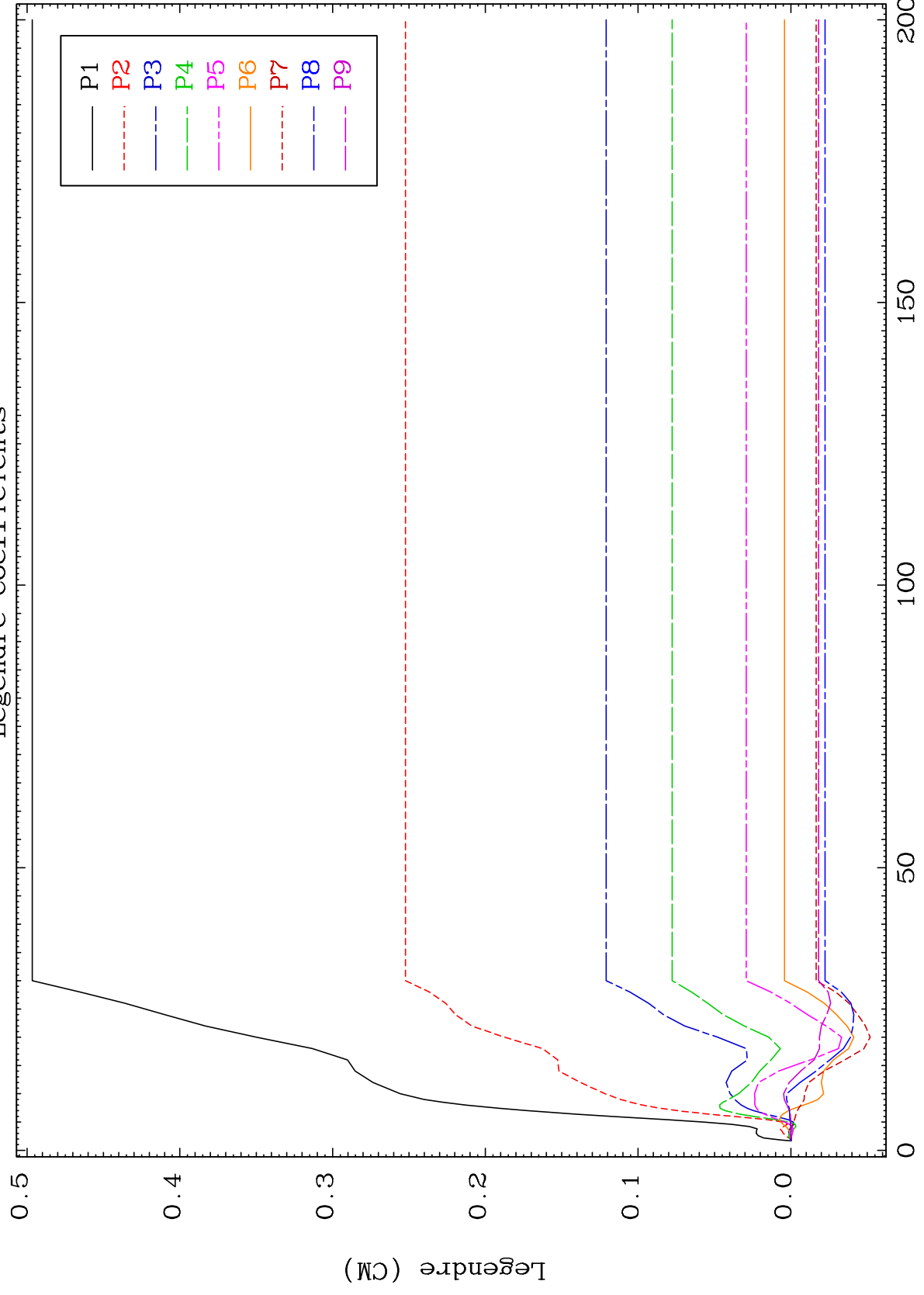
30-Zn-77

MAT 3064 MT= 60 (n,n') Level Legendre Coefficients 30-Zn-77



56 Incident Energy (MeV) 30-Zn-77

MAT 3064 MT= 61 (n,n') Level Legendre Coefficients 30-Zn-77



57

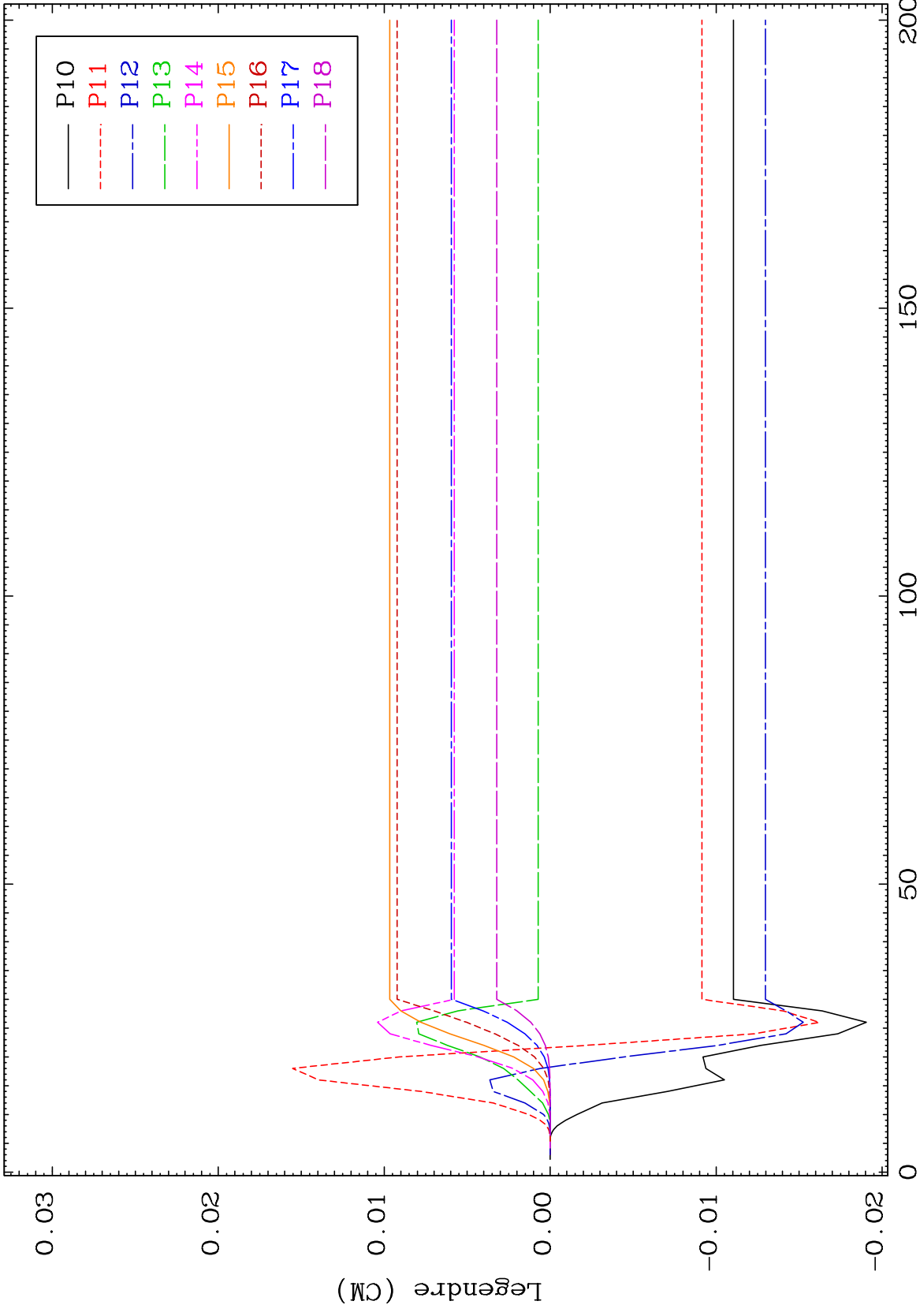
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



58

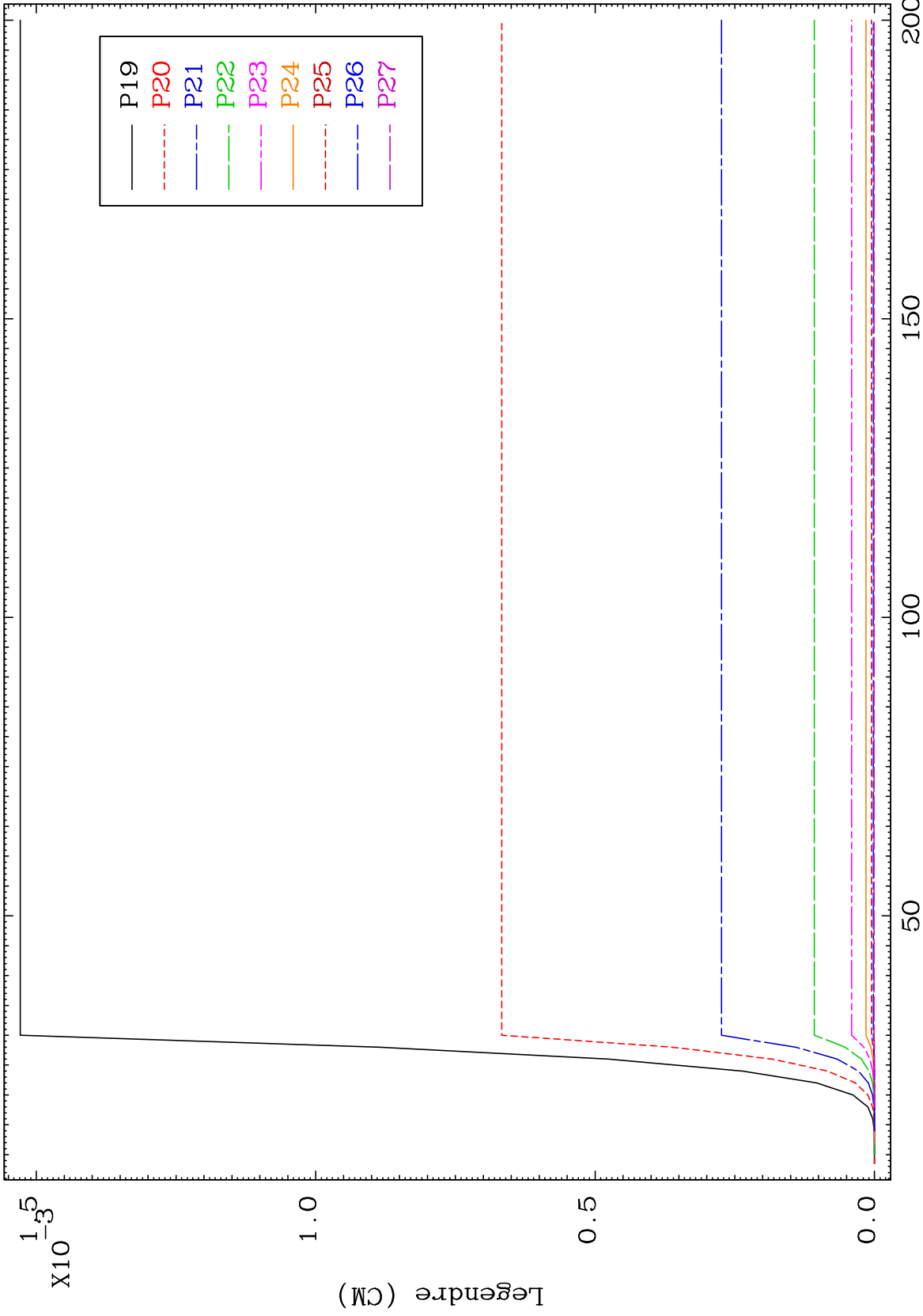
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77

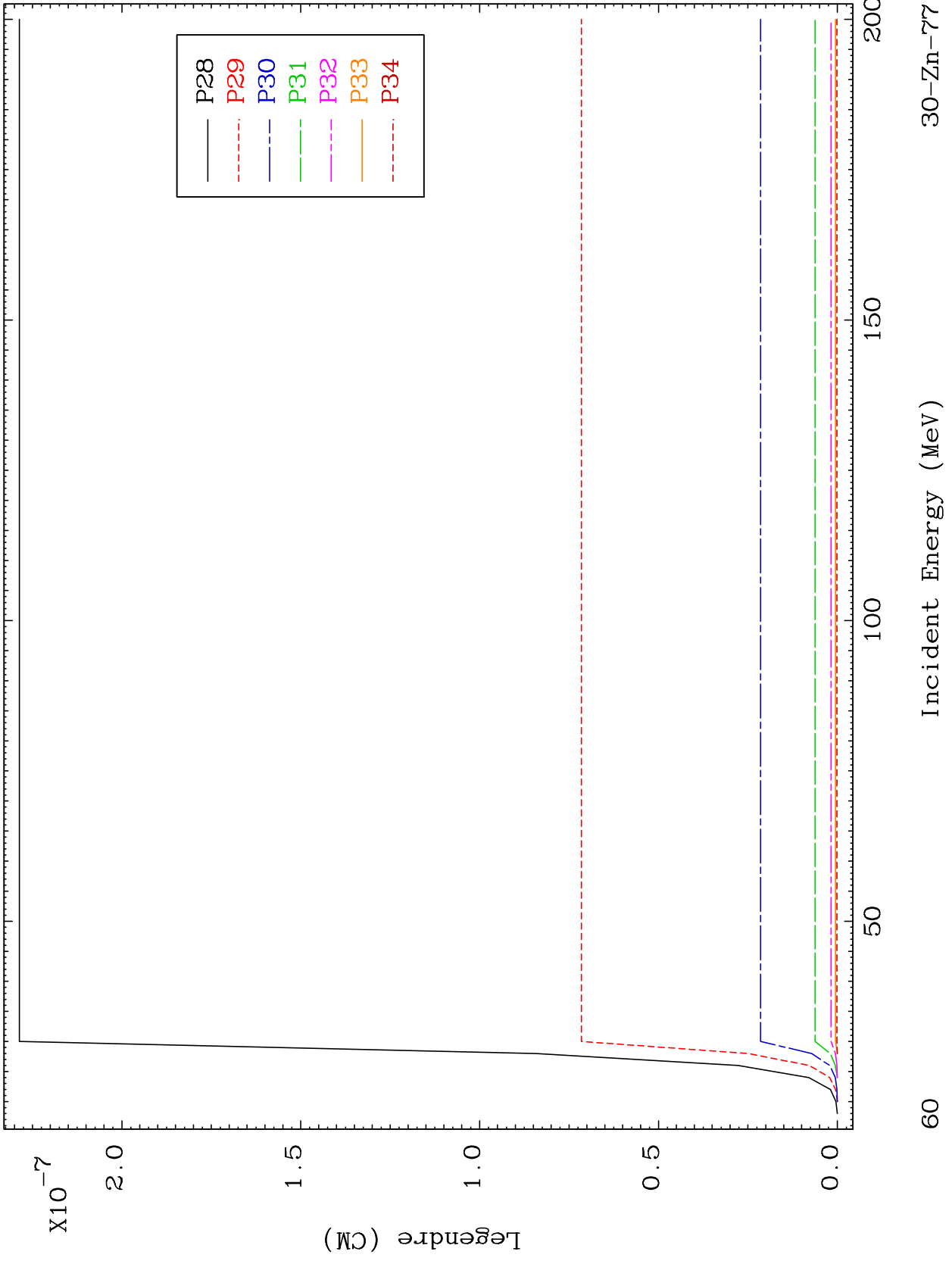


59

Incident Energy (MeV)

30-Zn-77

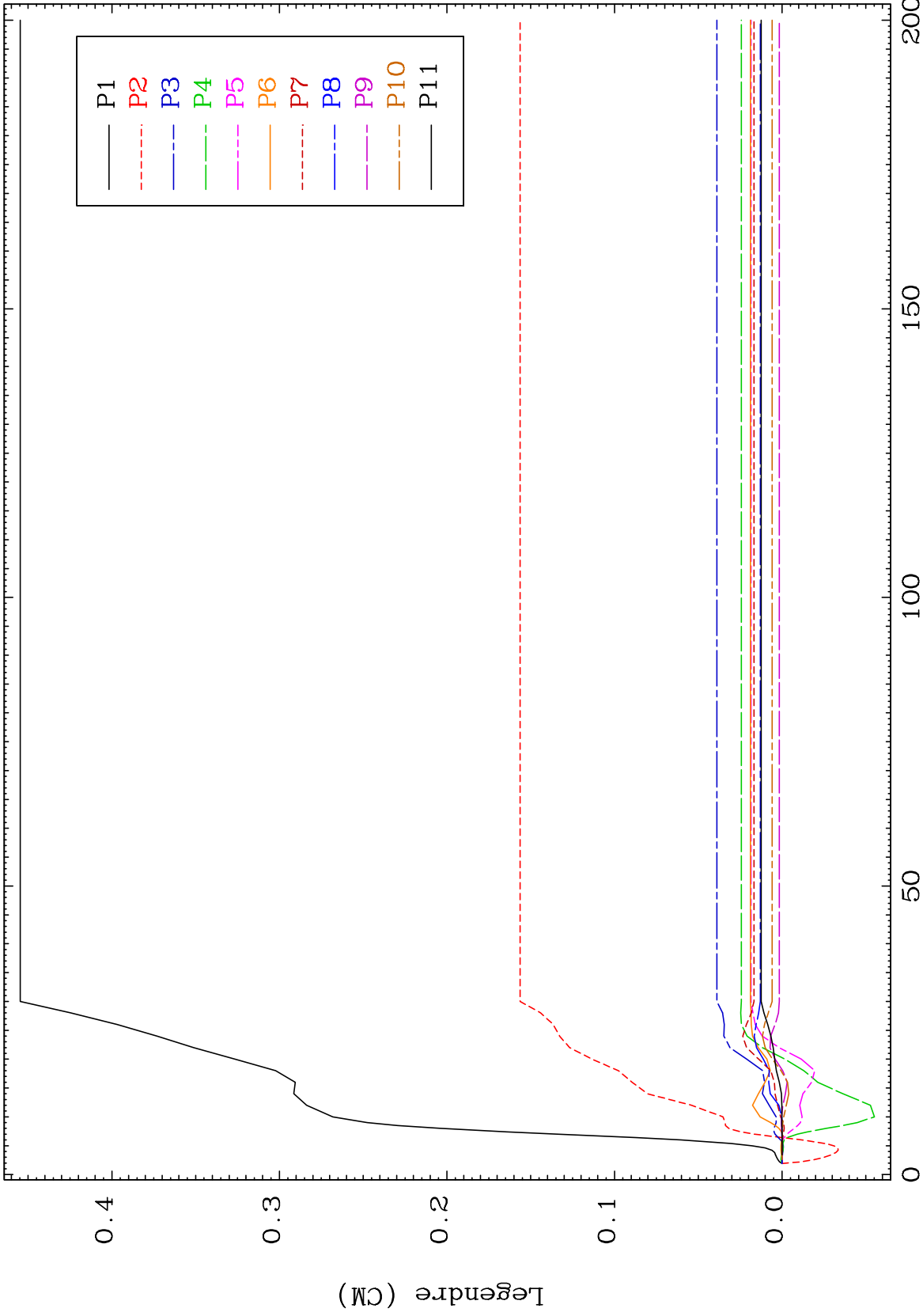
MAT 3064 MT= 61 (n,n') Level Legendre Coefficients 30-Zn-77



MAT 3064

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

30-Zn-77



61

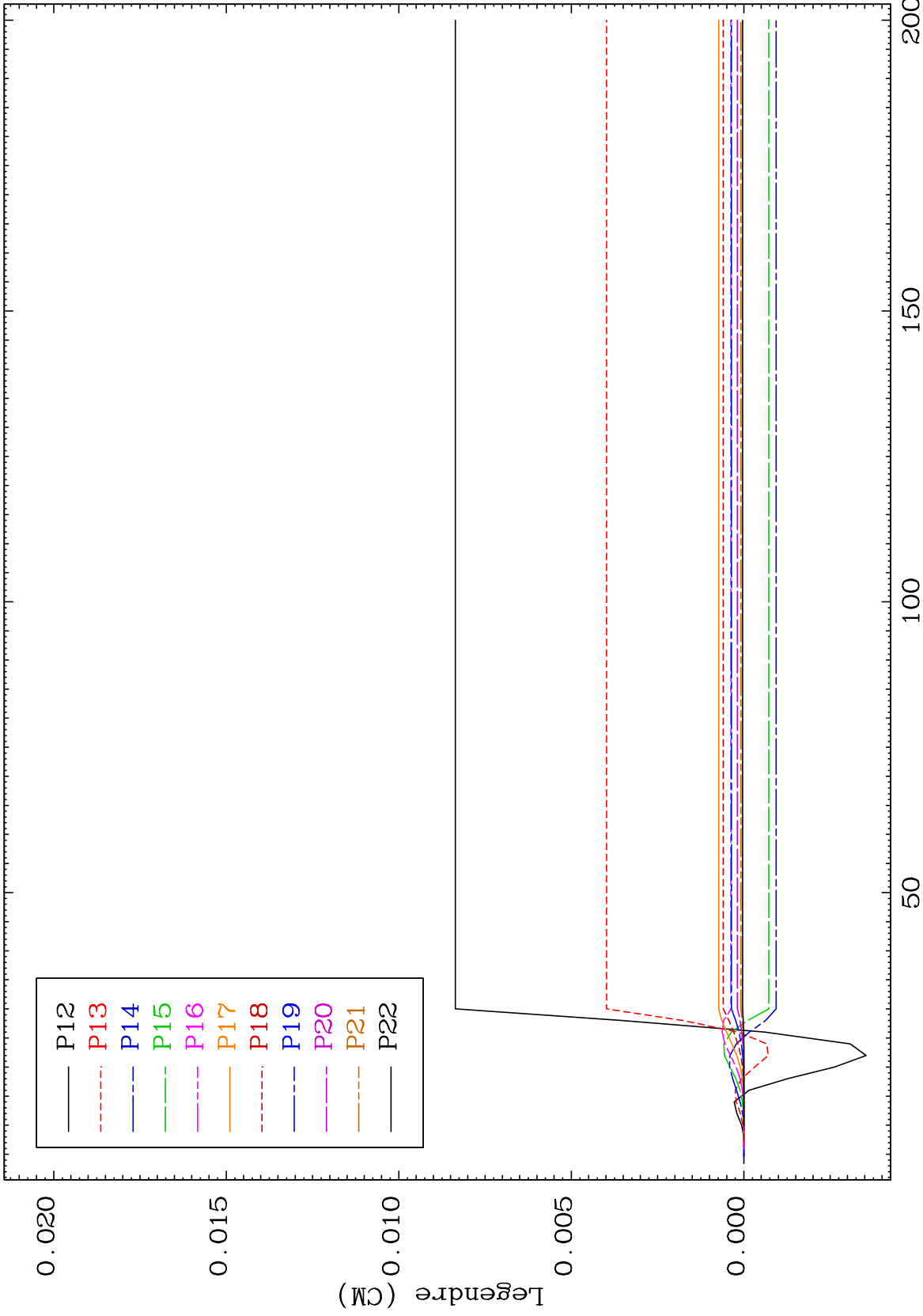
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



62

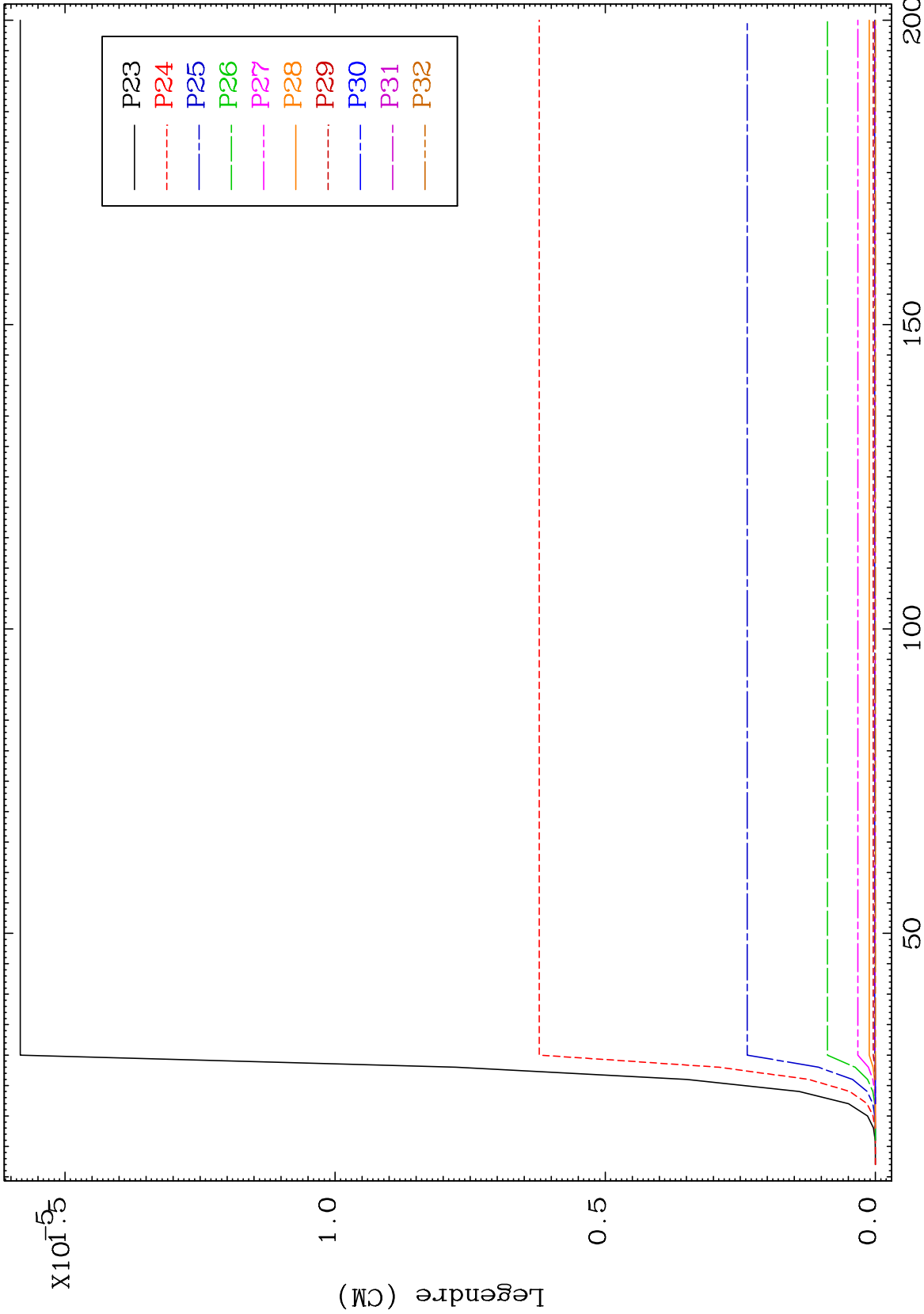
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



63

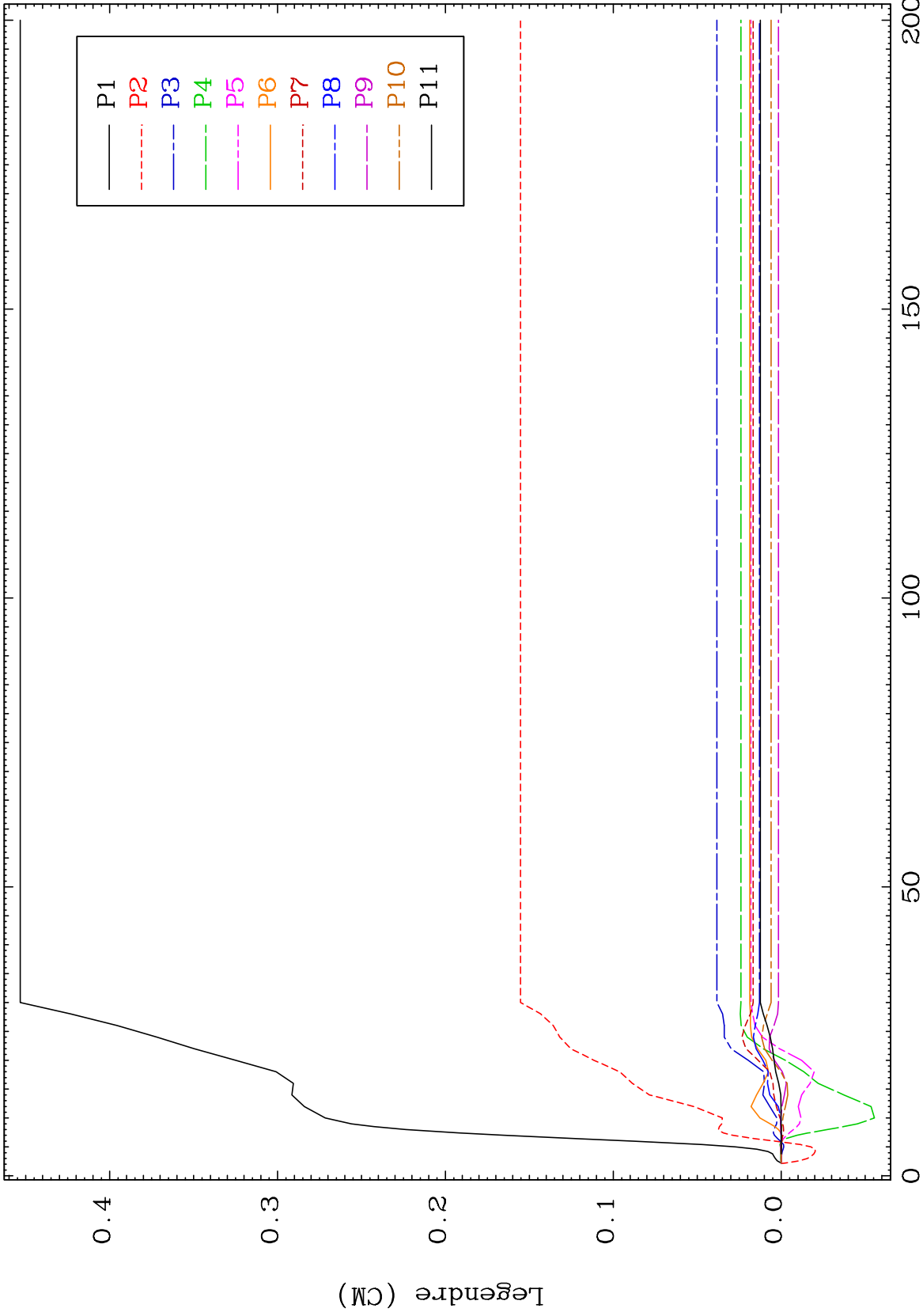
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



64

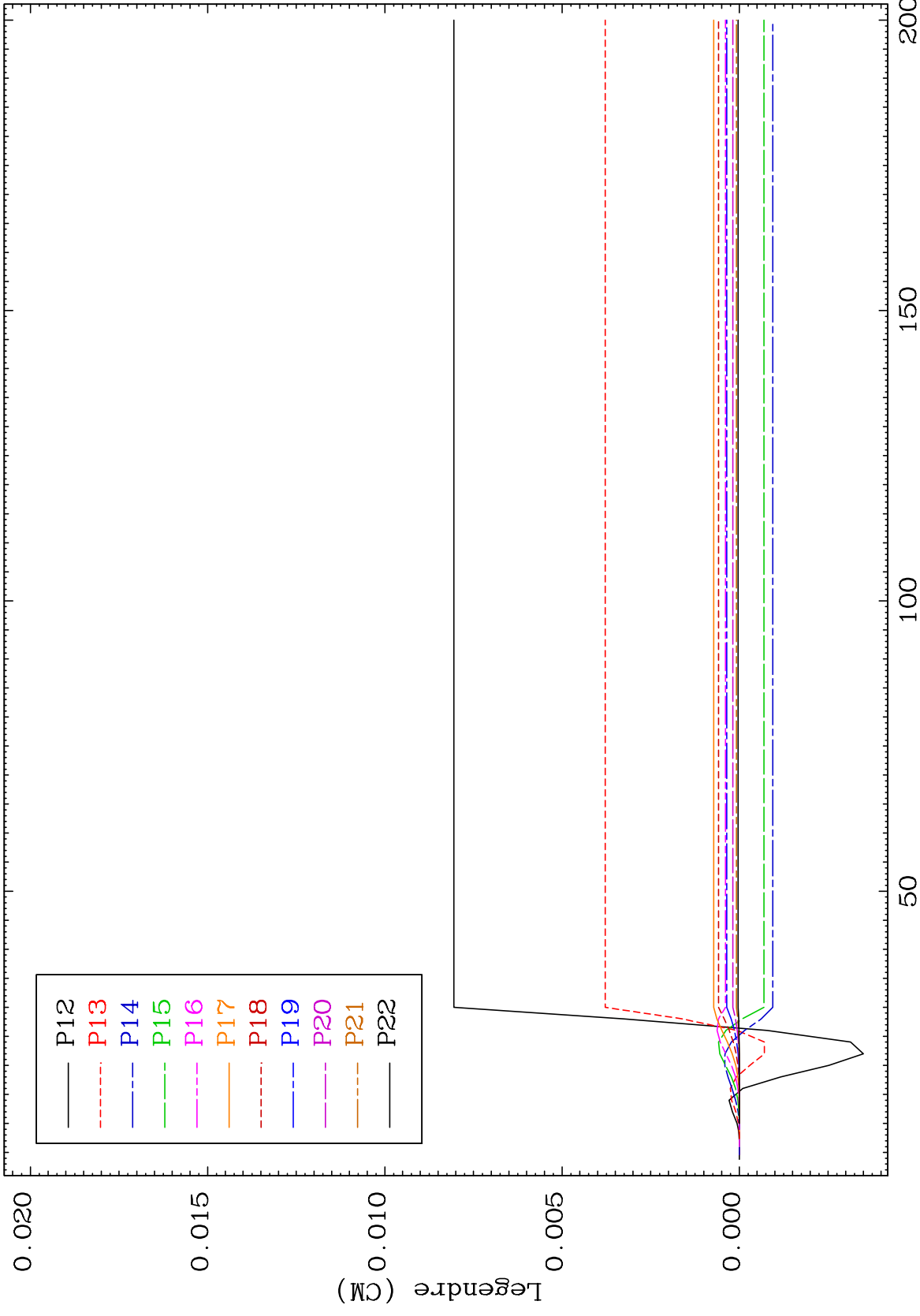
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



65

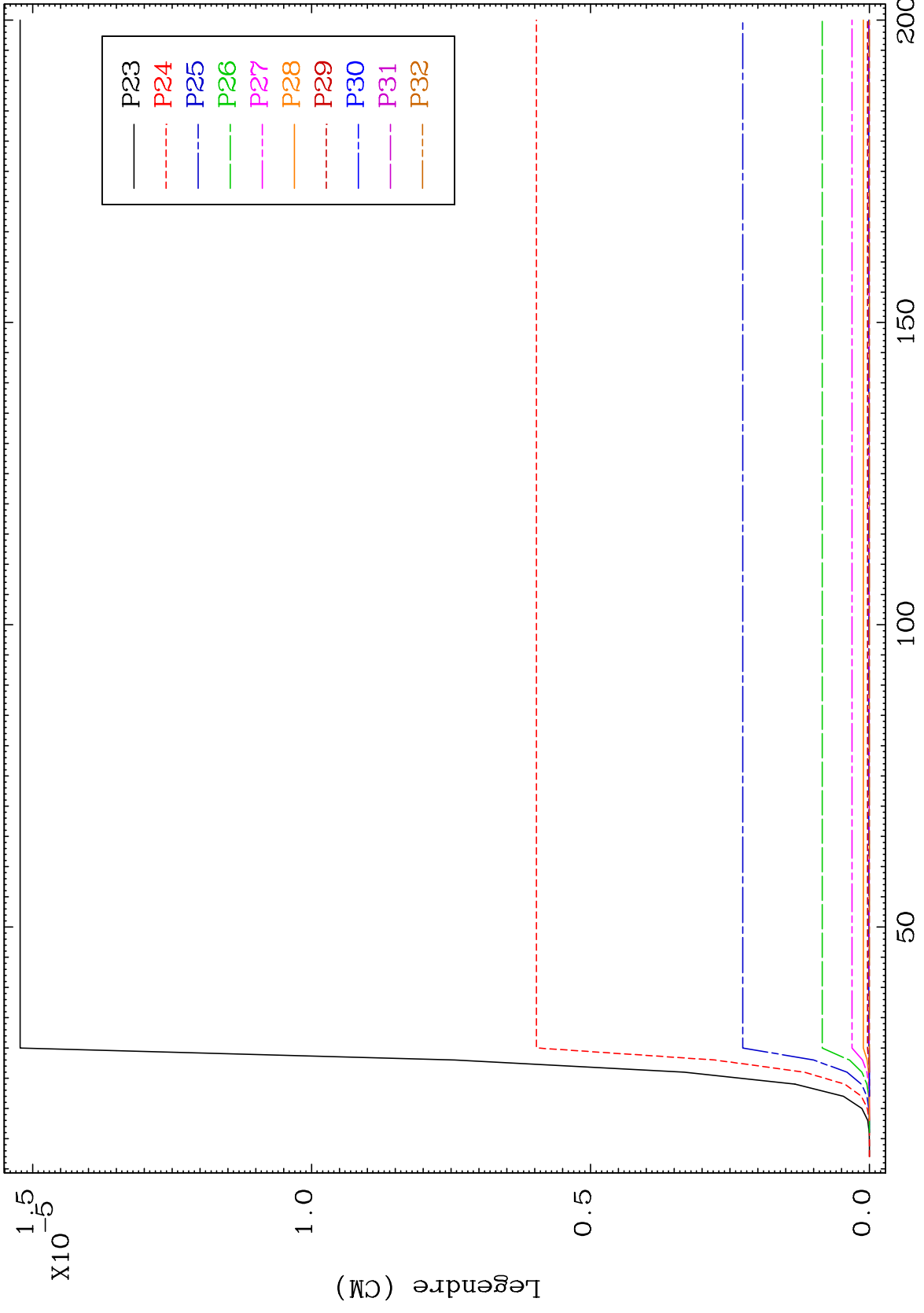
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77

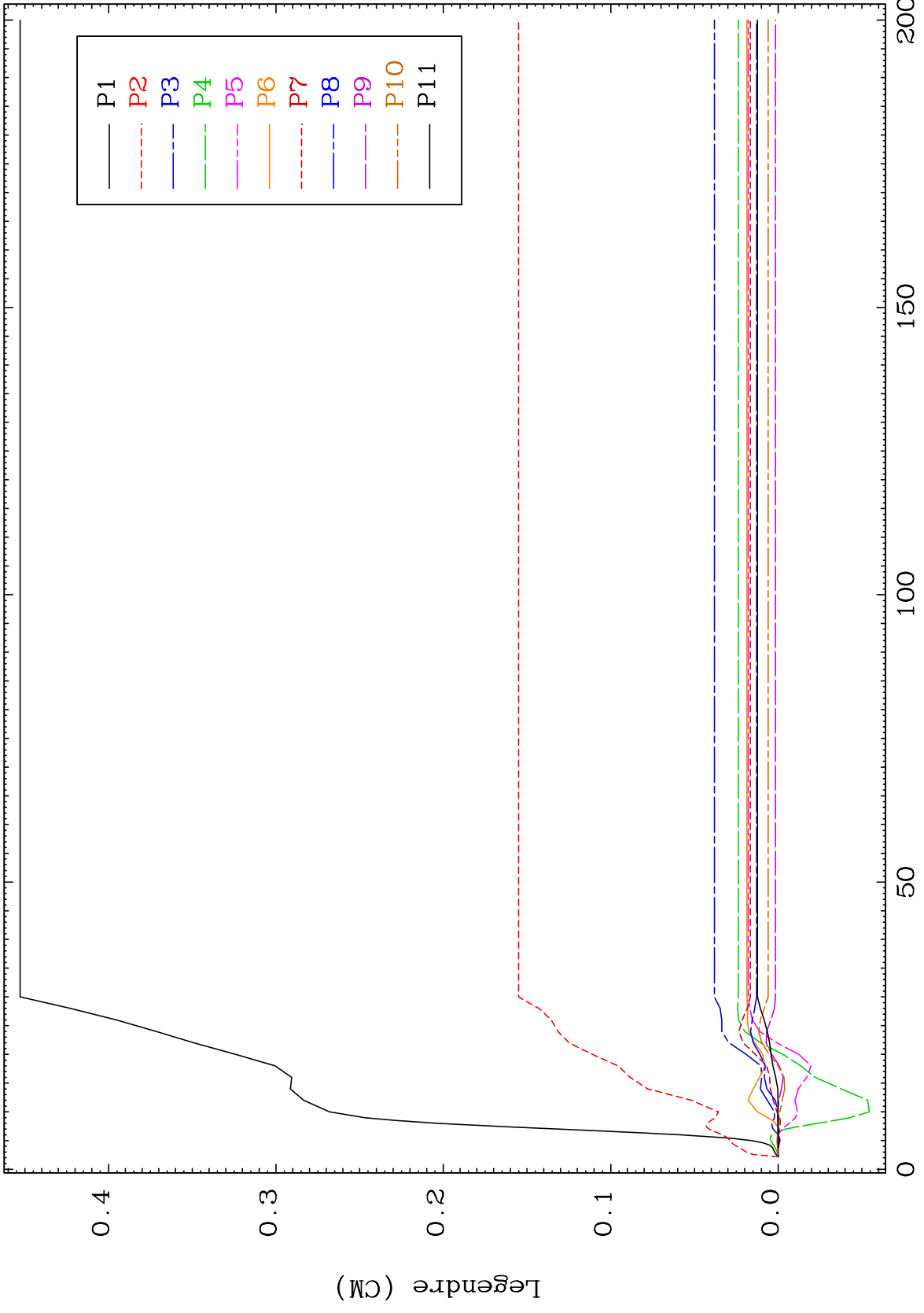


66

Incident Energy (MeV)

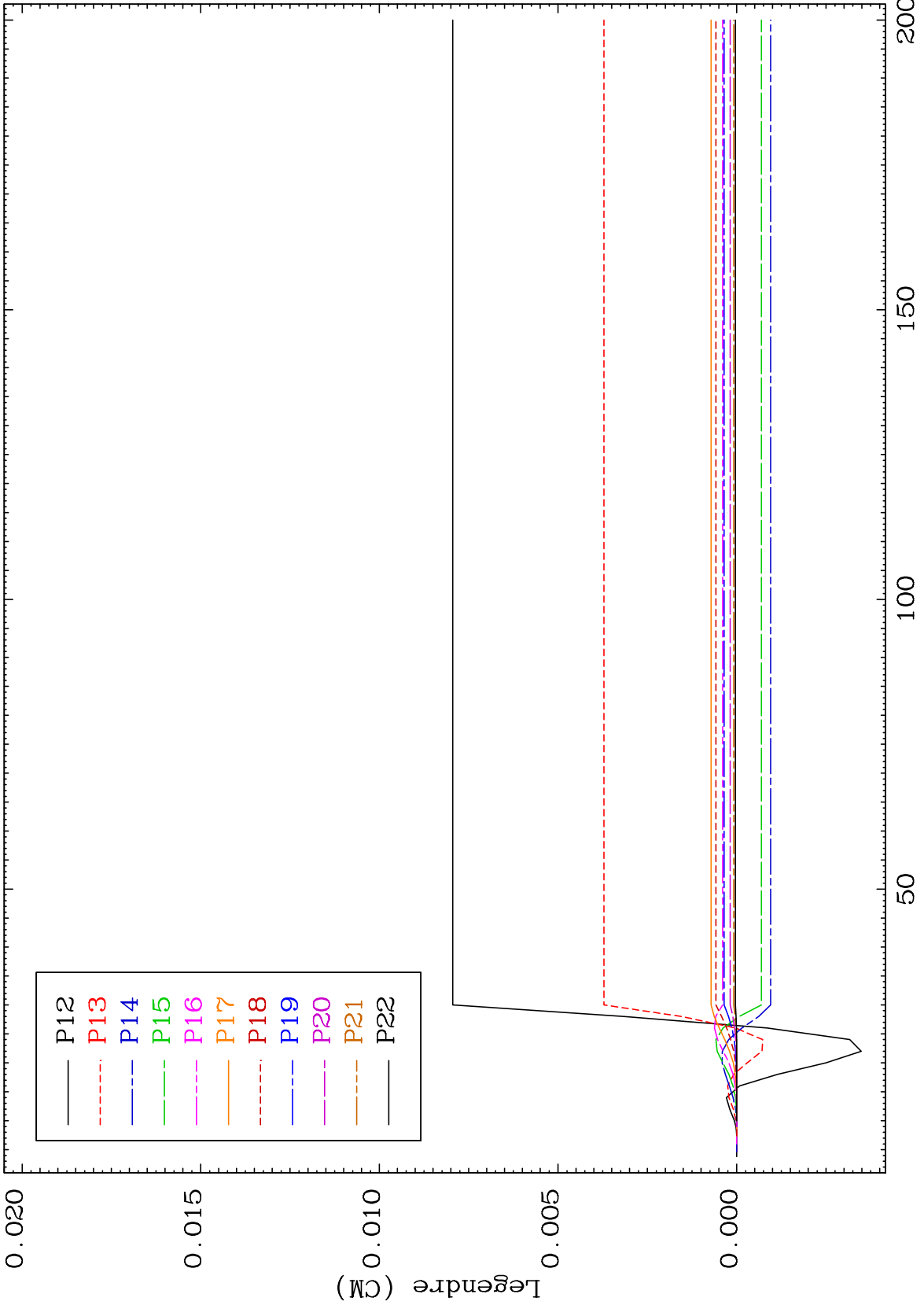
30-Zn-77

MAT 3064 MT= 64 (n,n') Level Legendre Coefficients 30-Zn-77



67 Incident Energy (MeV) 30-Zn-77

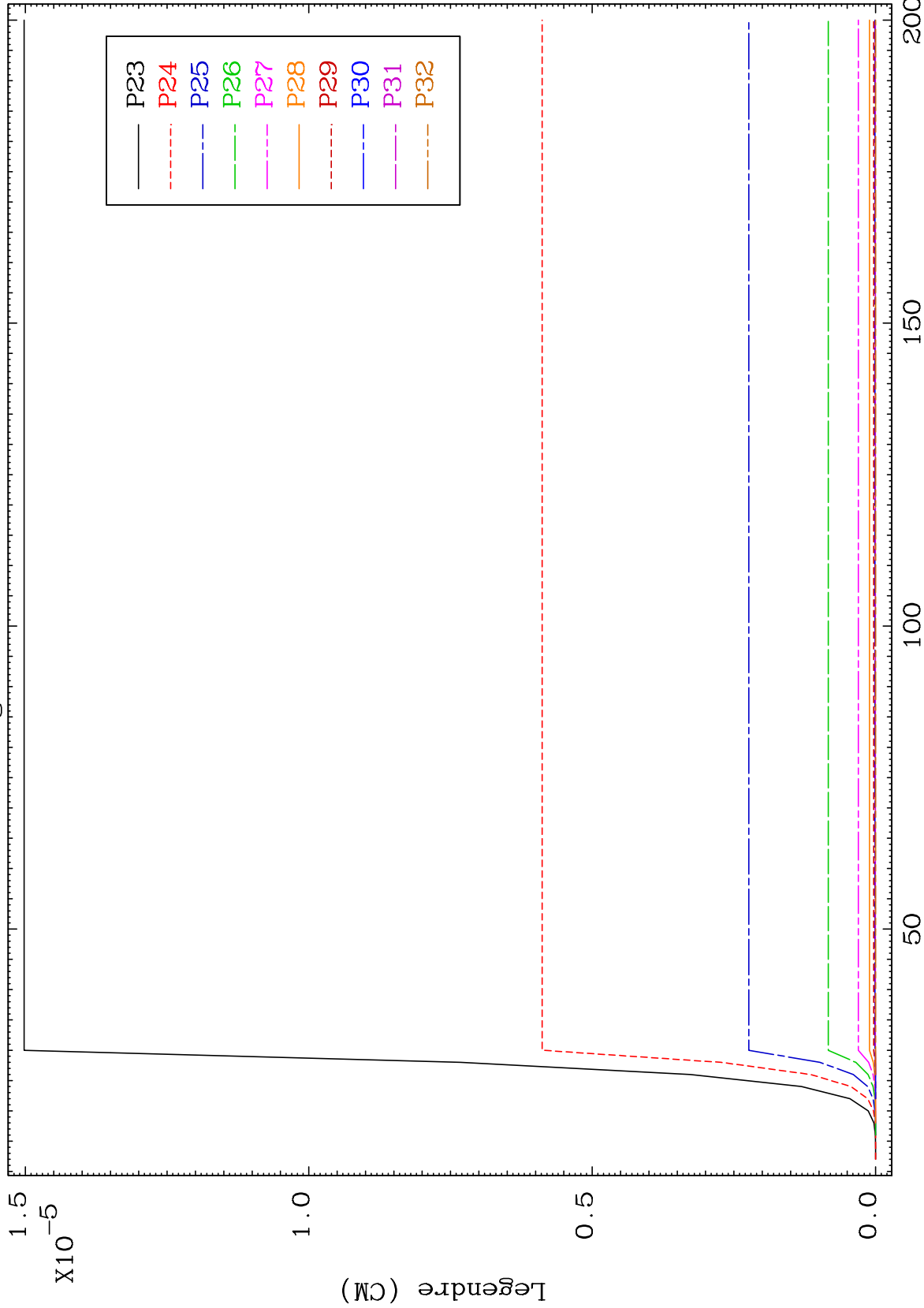
MAT 3064 MT= 64 (n,n') Level Legendre Coefficients 30-Zn-77



MAT 3064

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

30-Zn-77



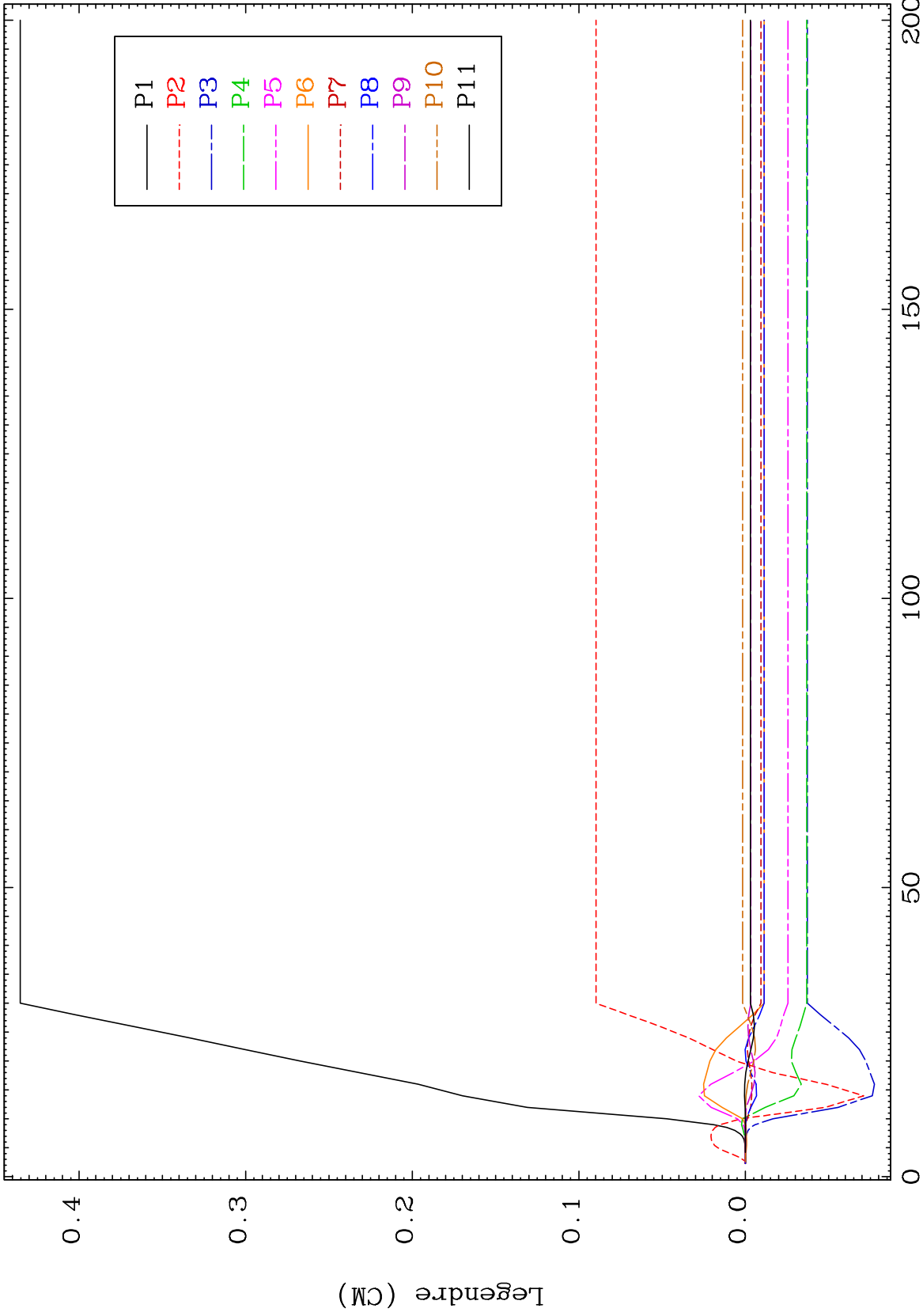
69

30-Zn-77

MAT 3064

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

30-Zn-77

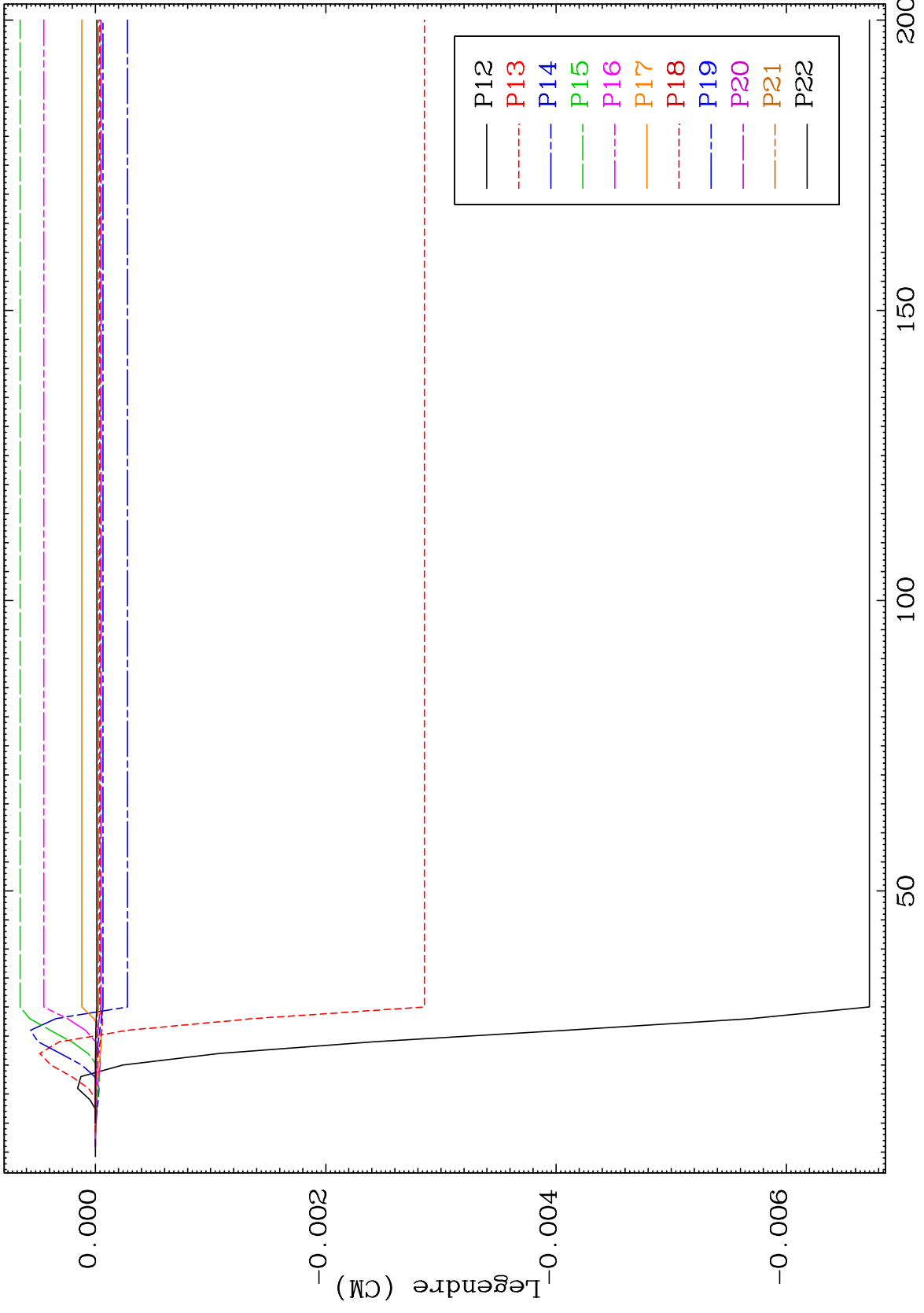


70

Incident Energy (MeV)

30-Zn-77

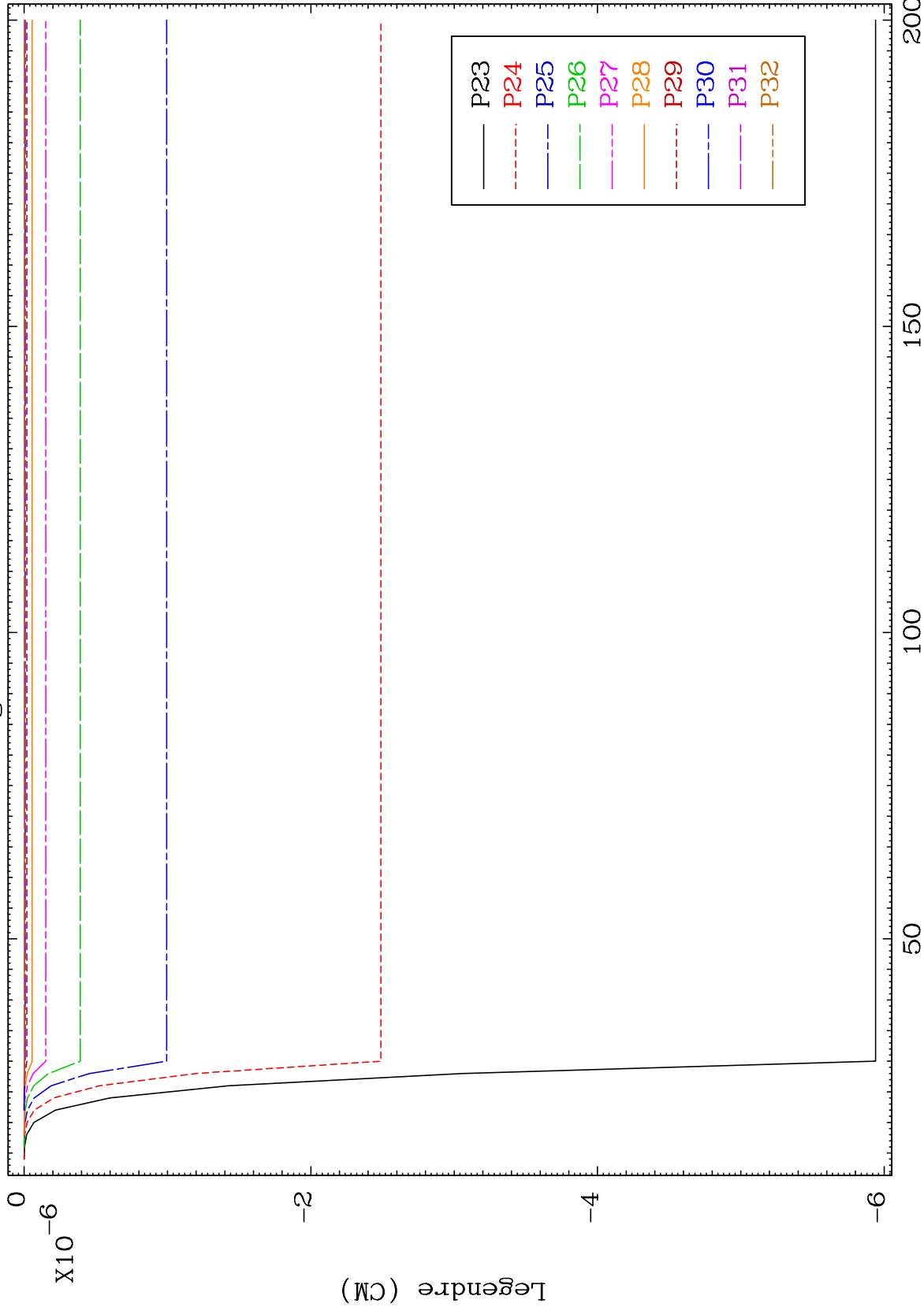
MAT 3064 MT= 65 (n,n') Level Legendre Coefficients 30-Zn-77



MAT 3064

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

30-Zn-77

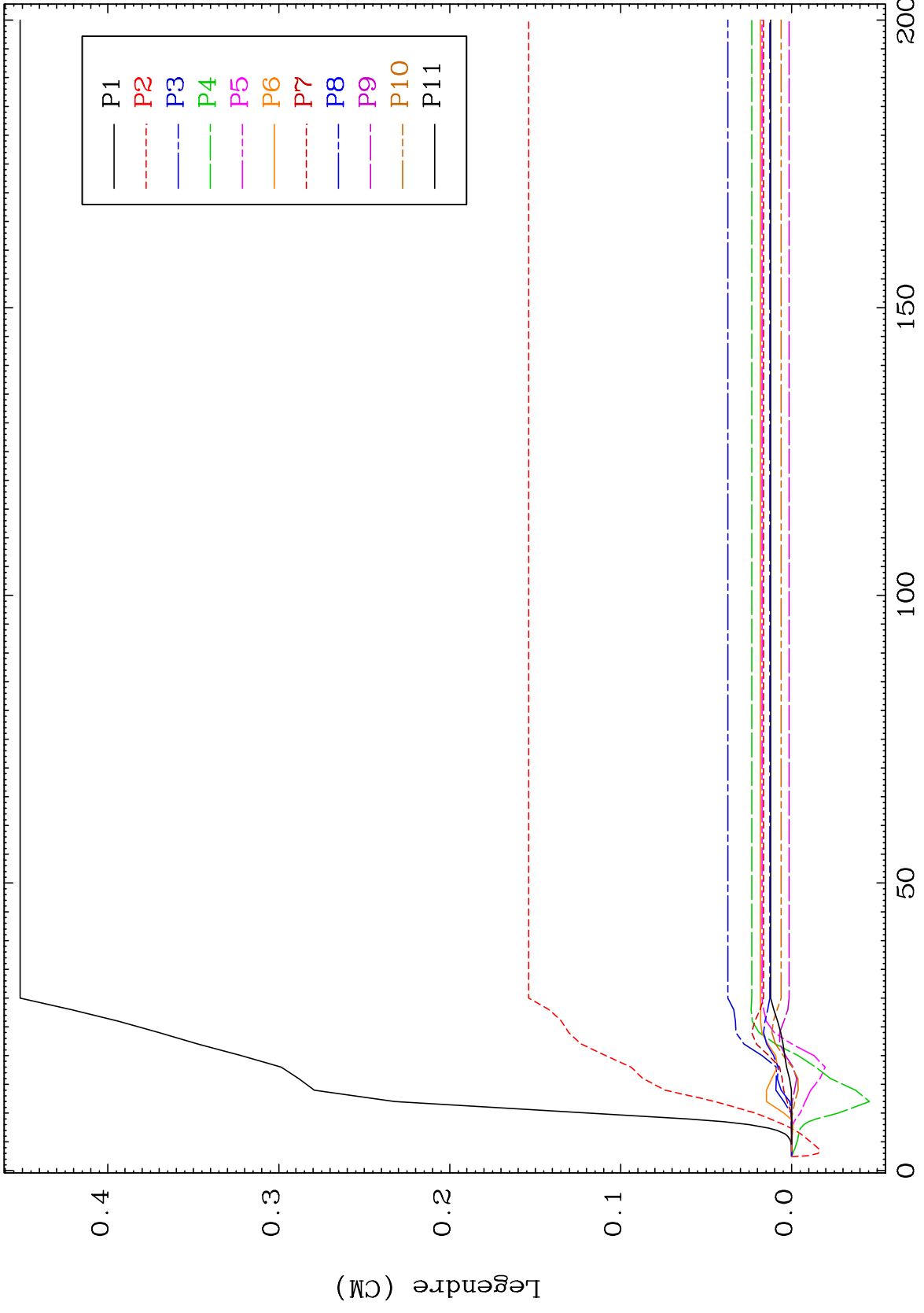


30-Zn-77

Incident Energy (MeV)

72

MAT 3064 MT= 66 (n,n') Level Legendre Coefficients 30-Zn-77

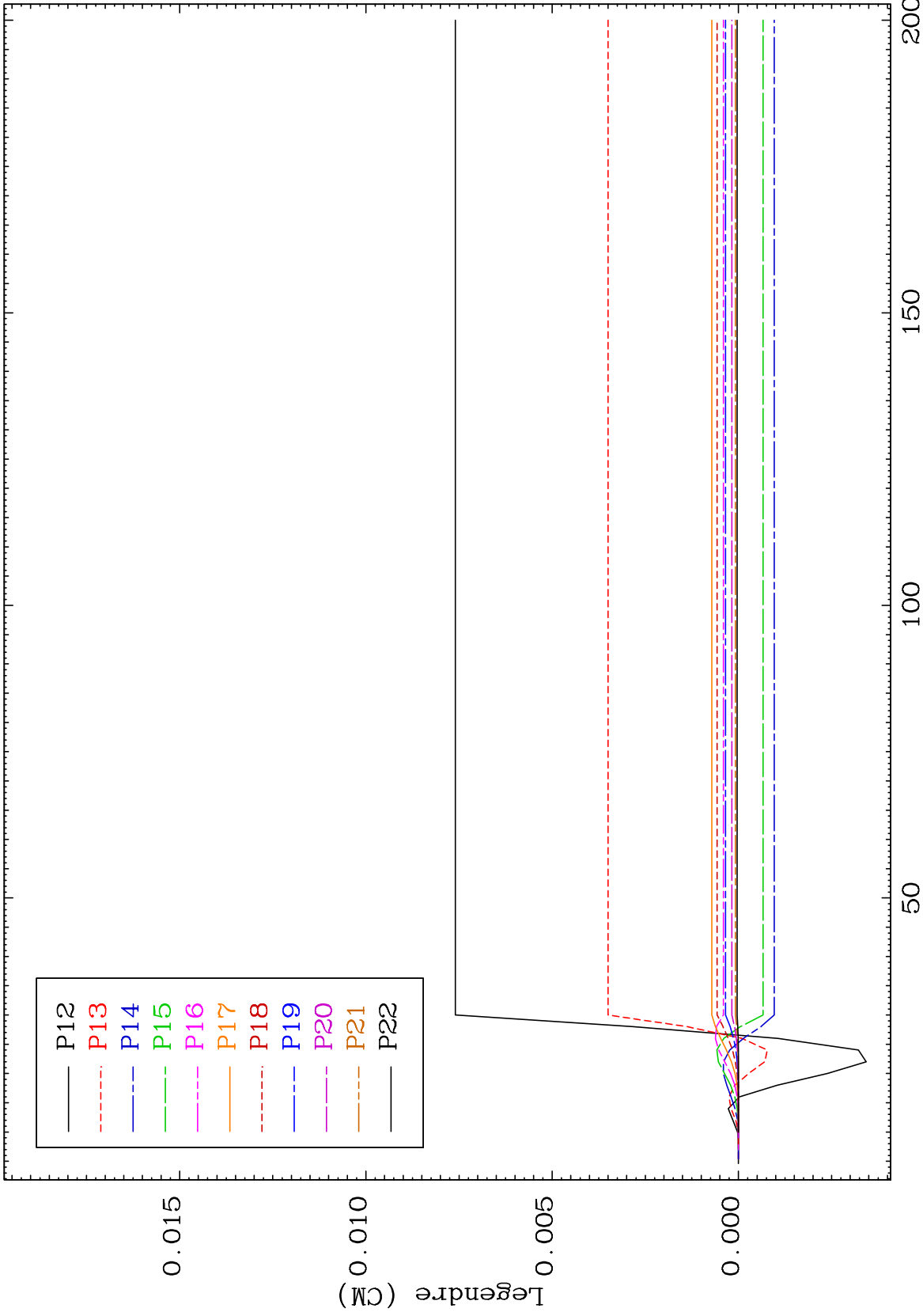


73 Incident Energy (MeV) 30-Zn-77

MAT 3064

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

30-Zn-77



74

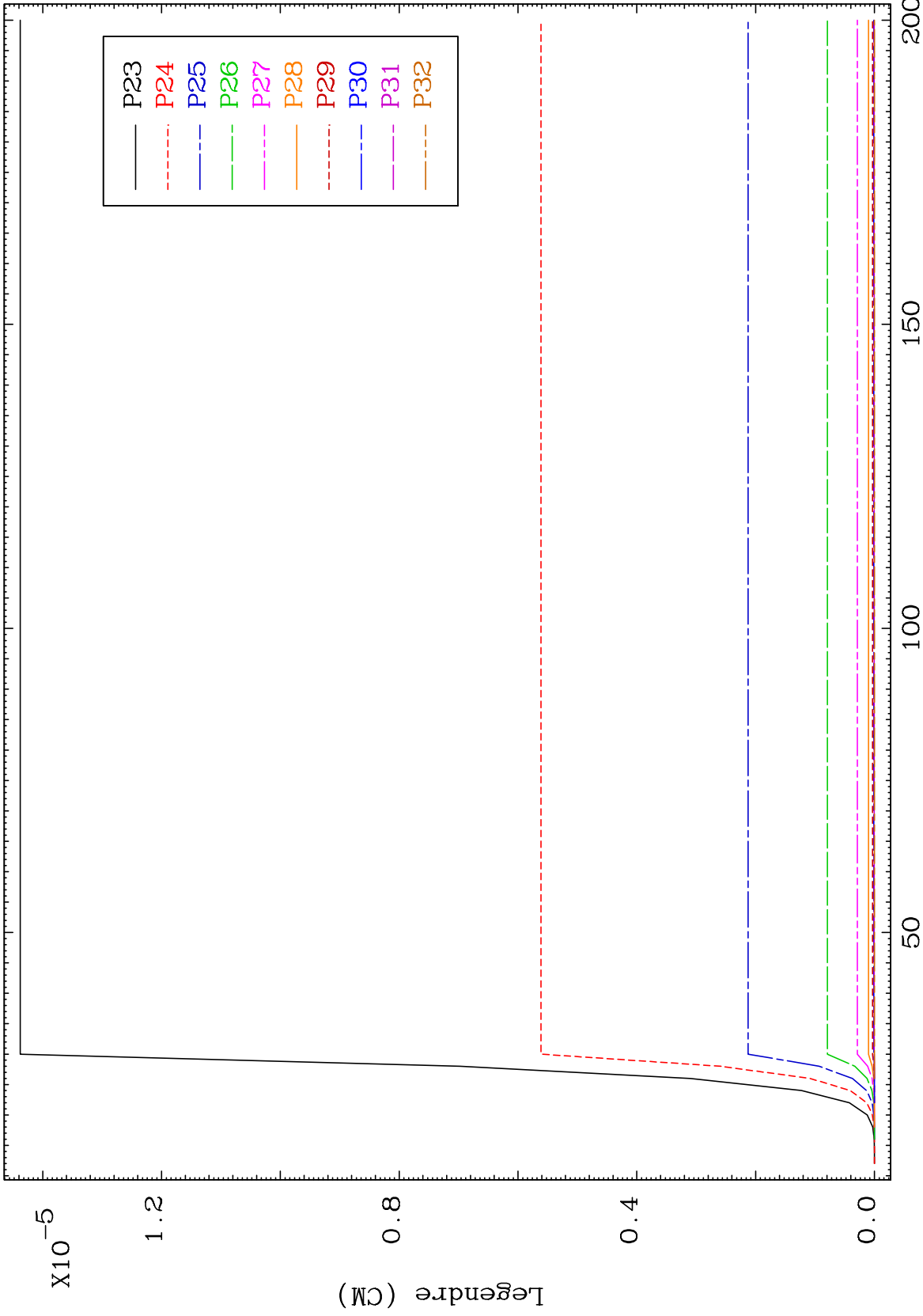
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



75

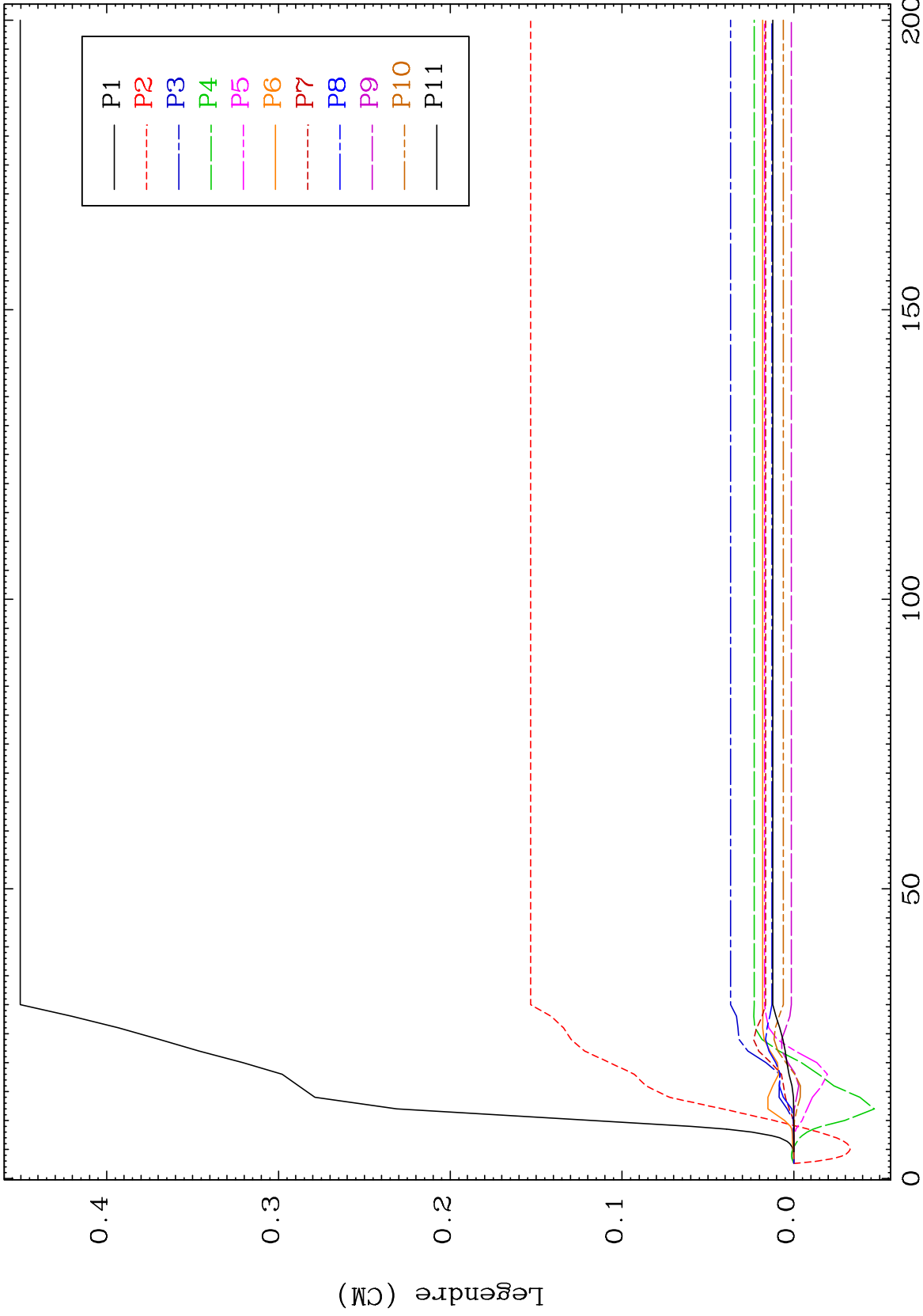
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



76

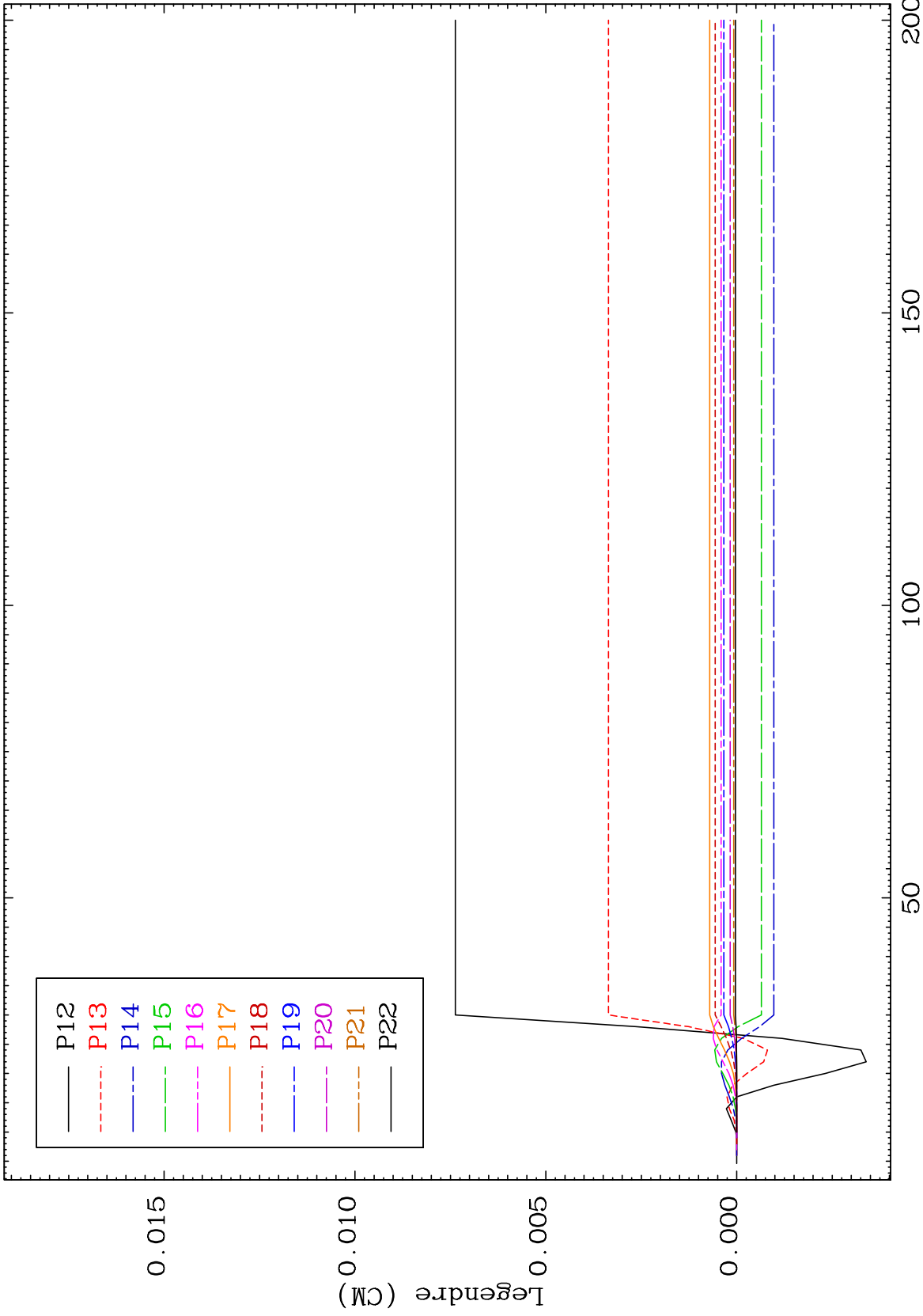
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



77

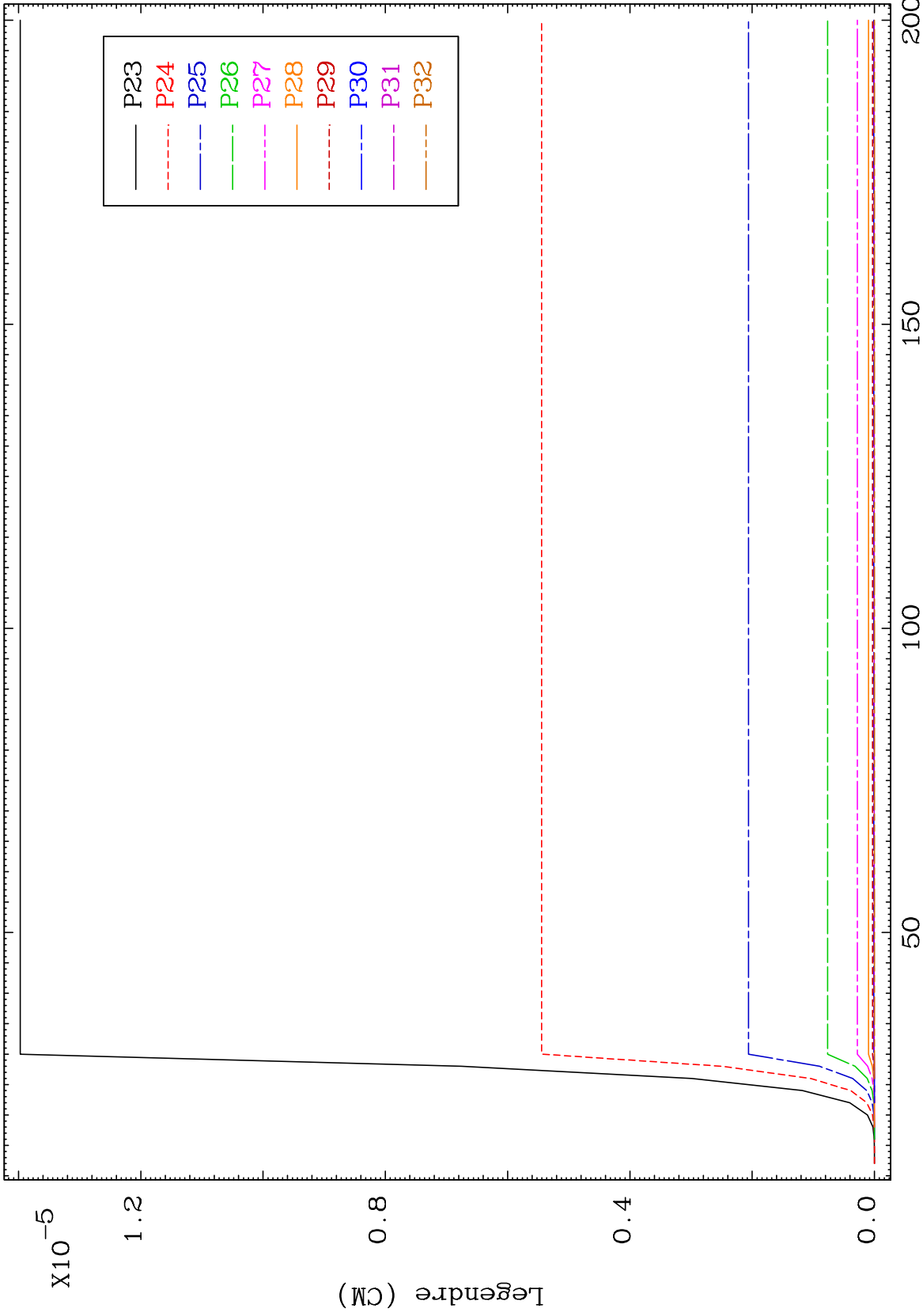
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77

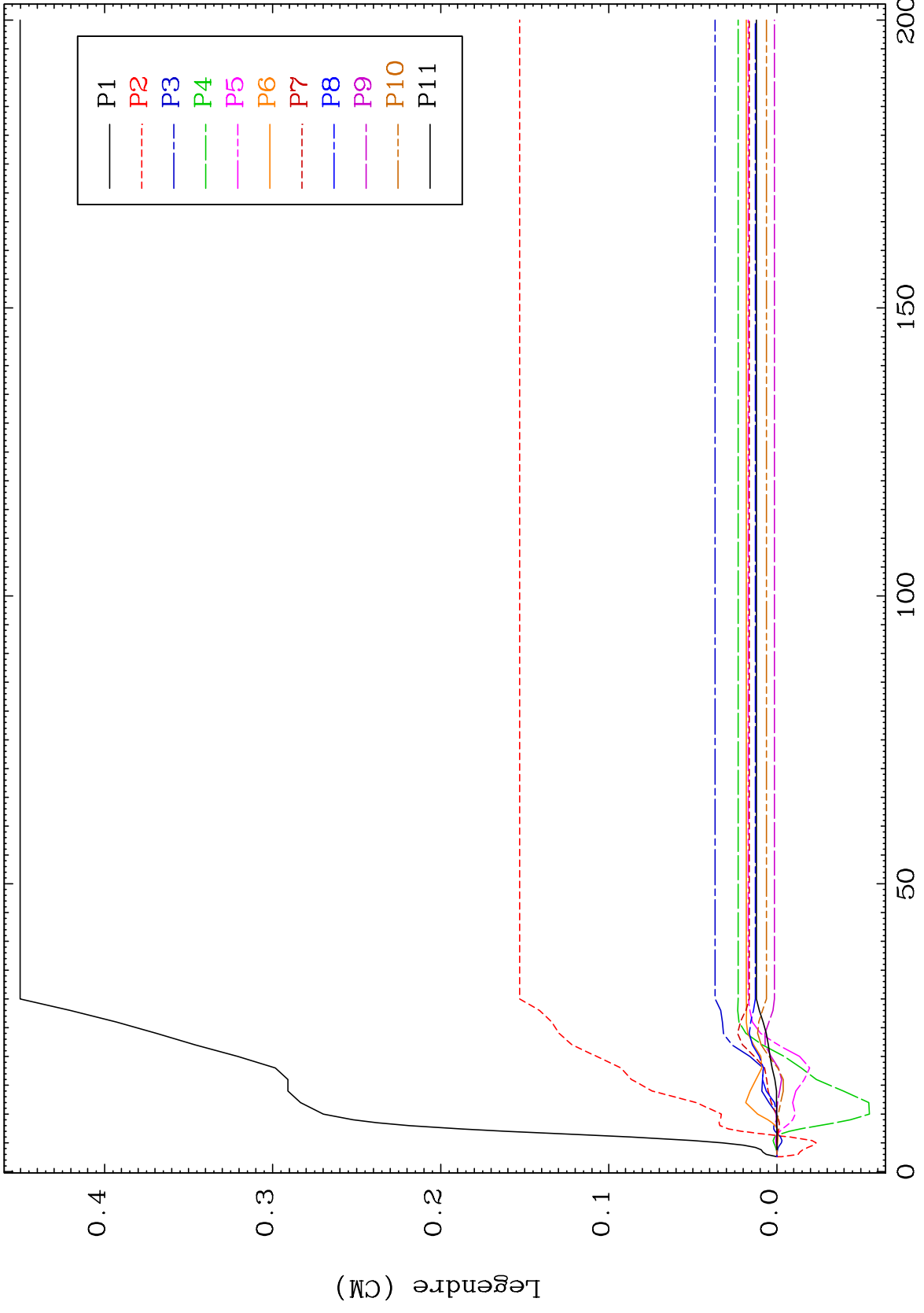


78

Incident Energy (MeV)

30-Zn-77

MAT 3064 MT= 68 (n,n') Level Legendre Coefficients 30-Zn-77

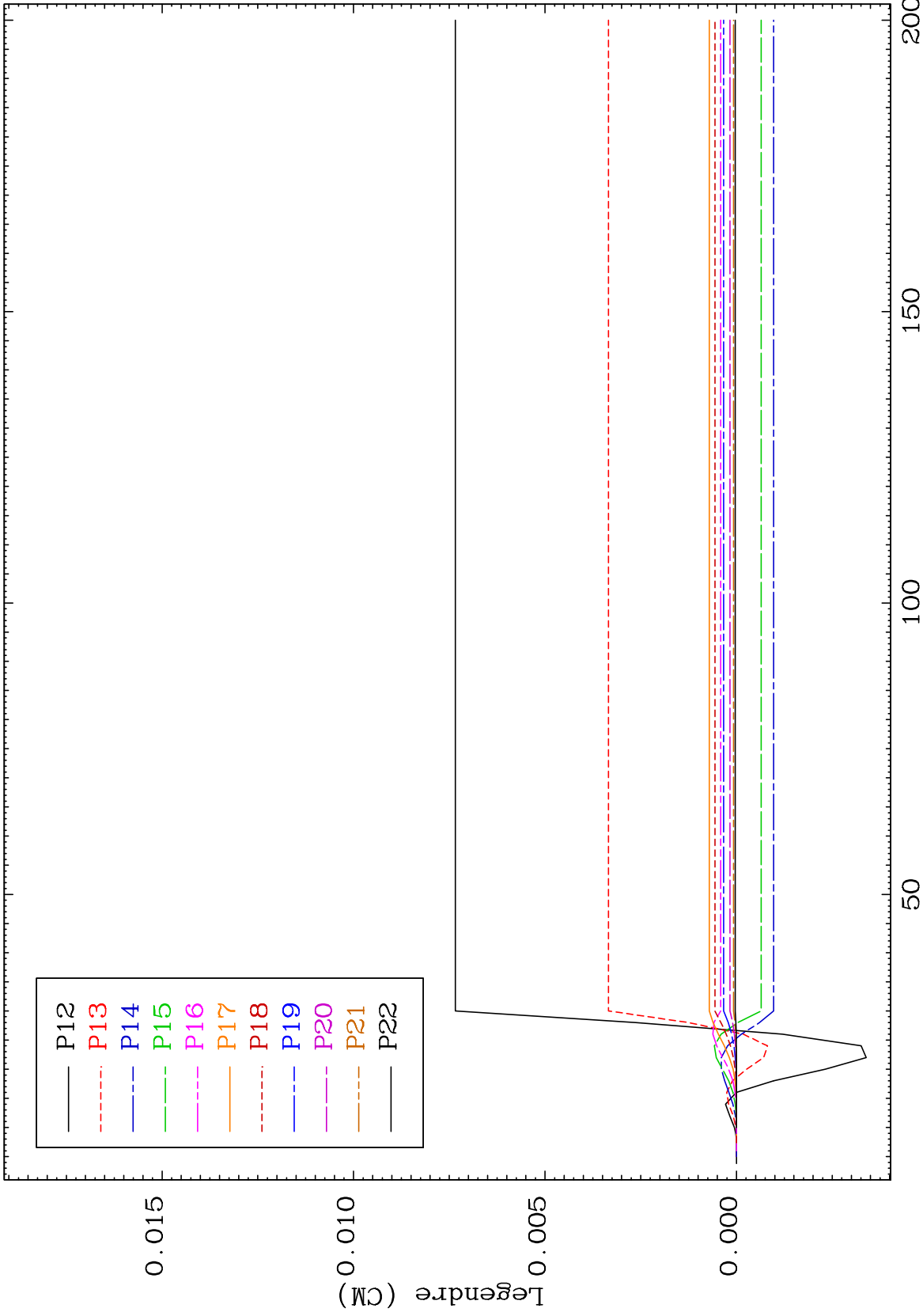


79 30-Zn-77

MAT 3064

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

30-Zn-77



80

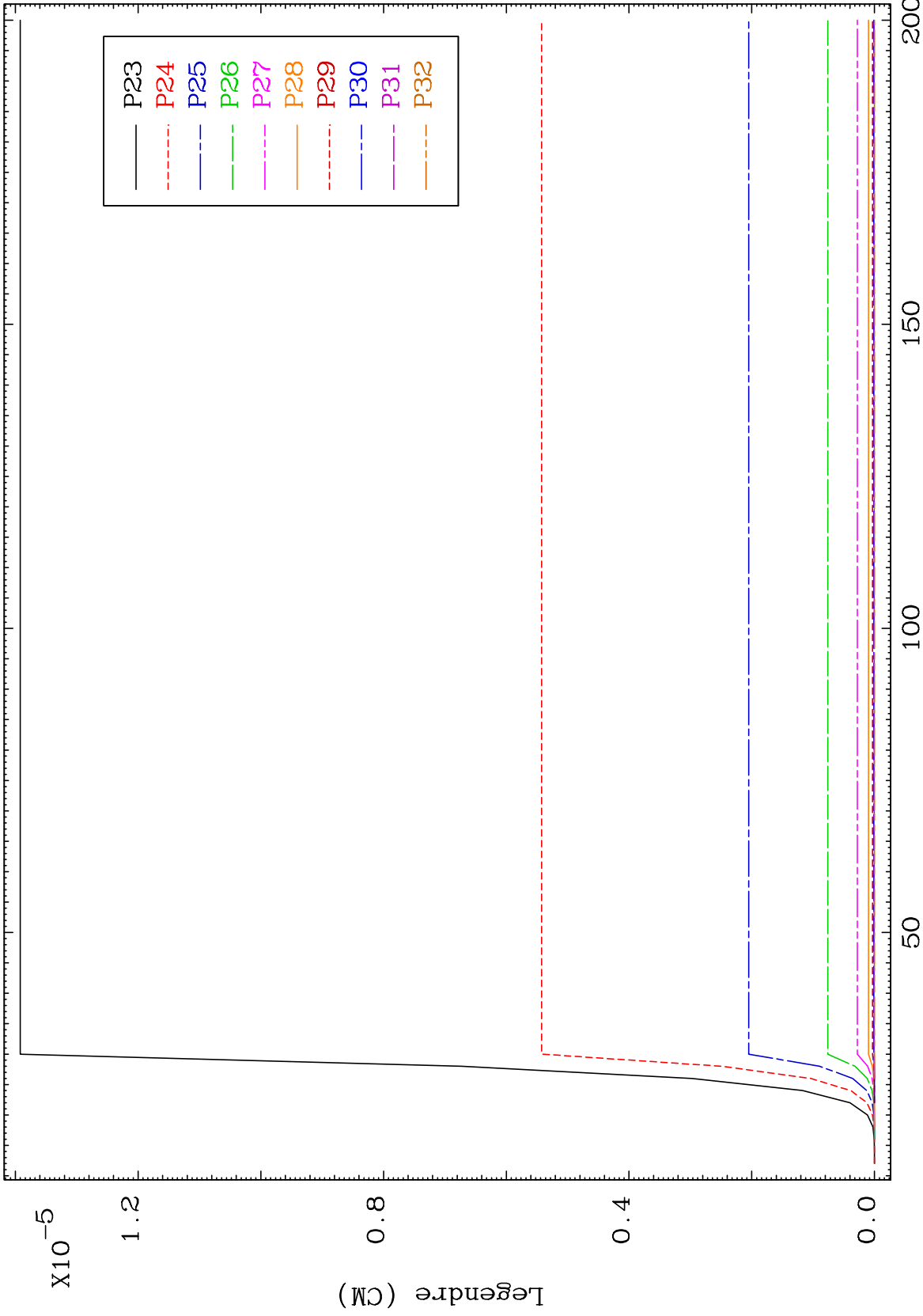
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



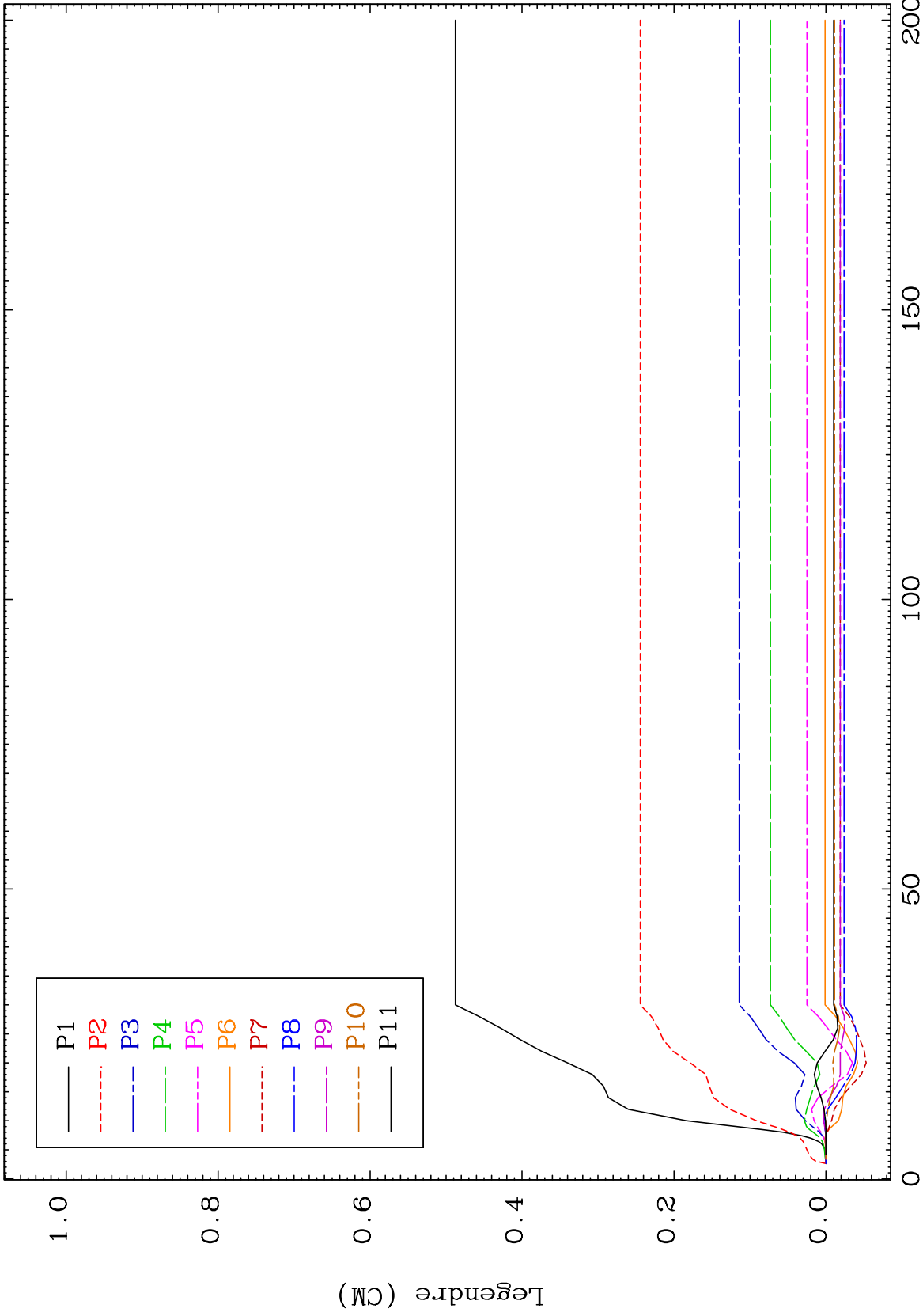
81

30-Zn-77

MAT 3064

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

30-Zn-77

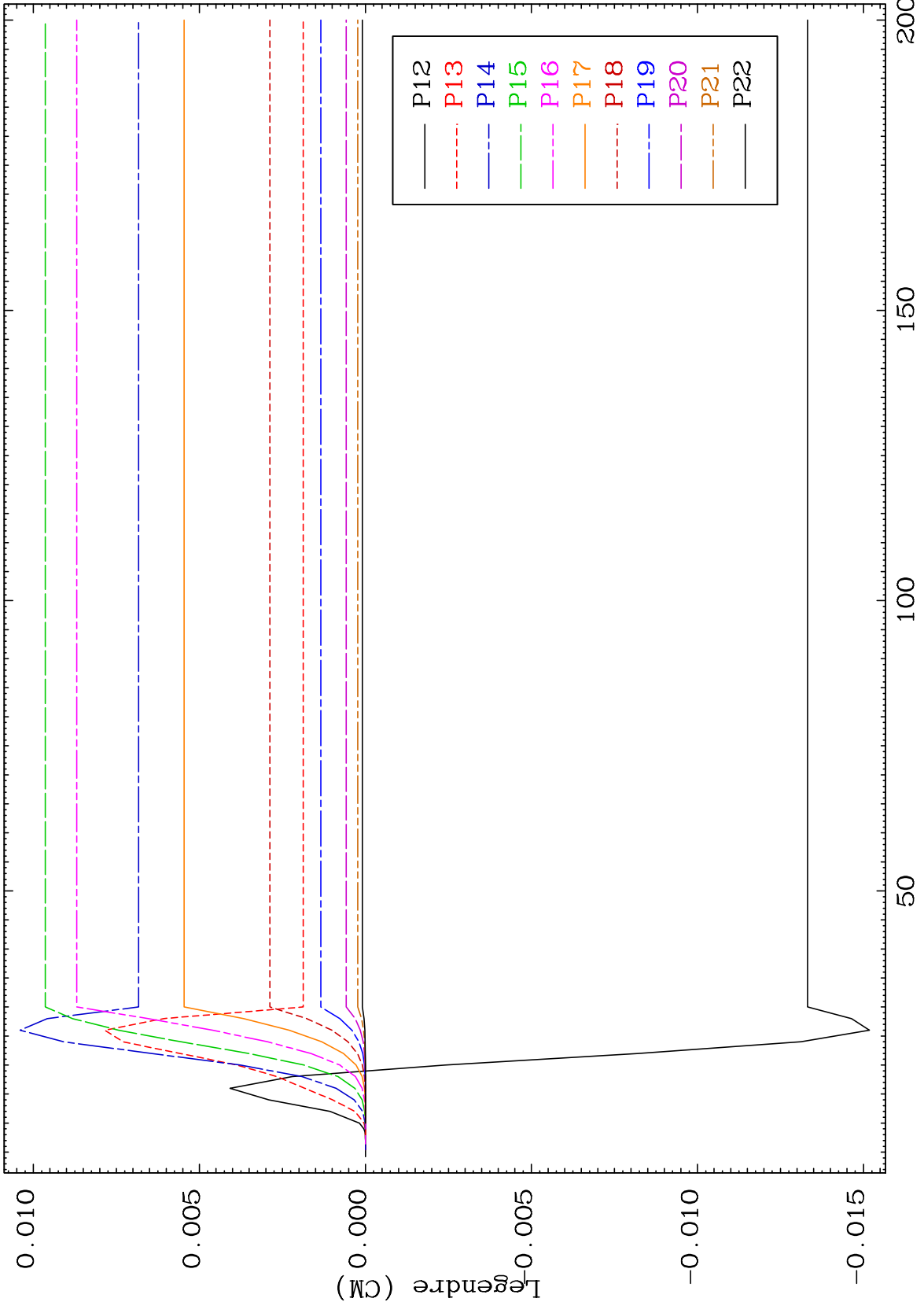


82

Incident Energy (MeV)

30-Zn-77

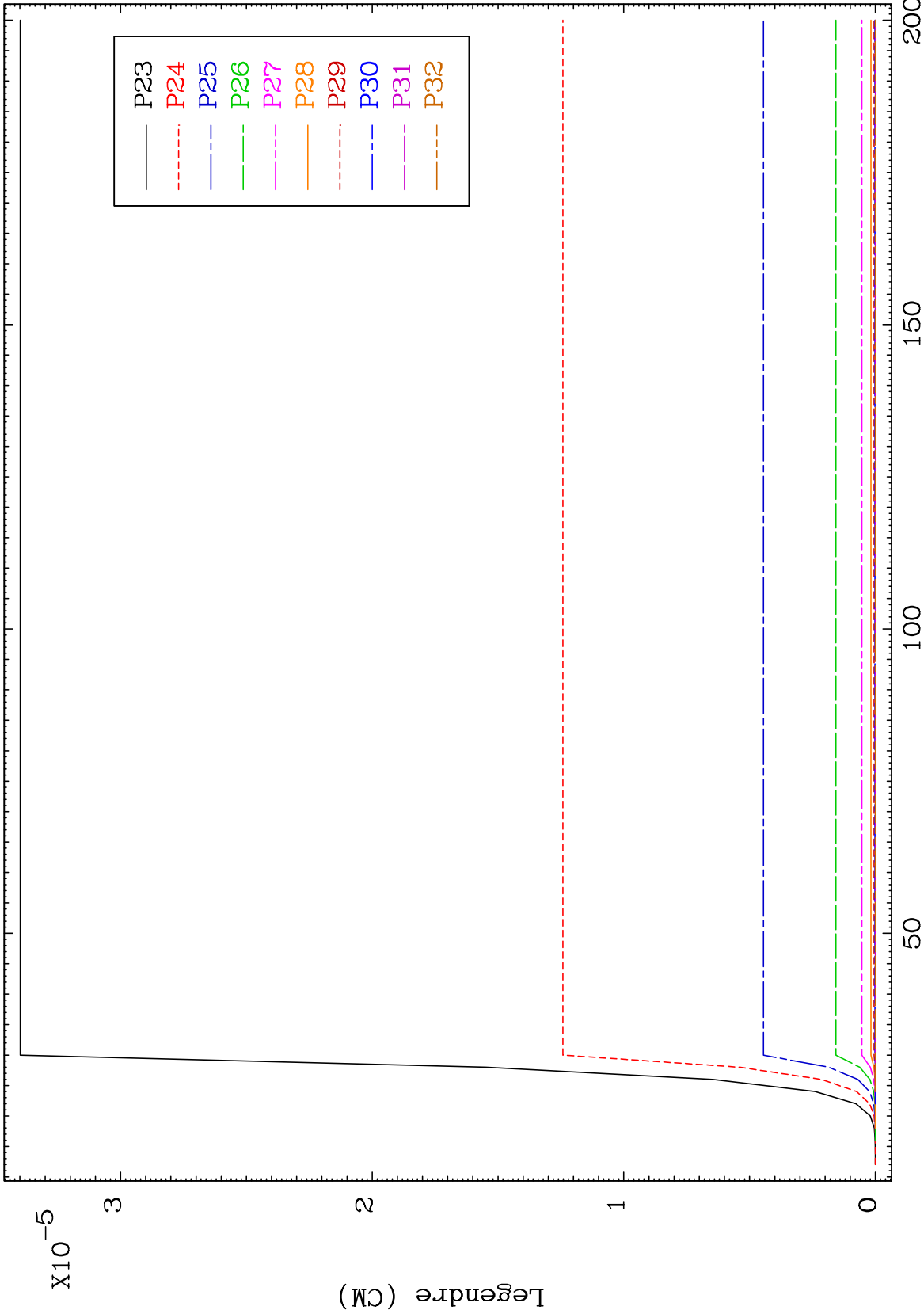
MAT 3064 MT= 69 (n,n') Level Legendre Coefficients 30-Zn-77



MAT 3064

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

30-Zn-77



84

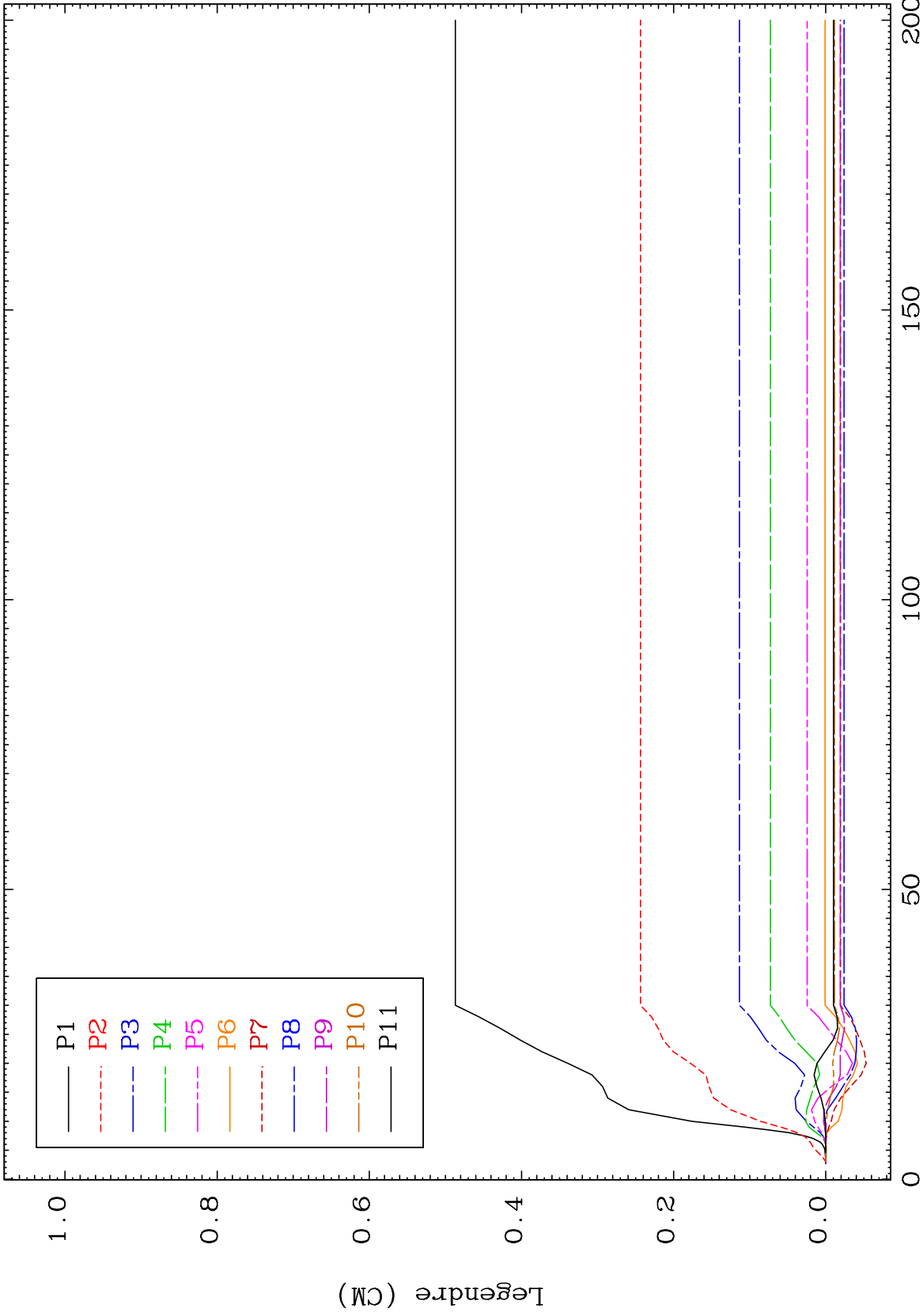
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77

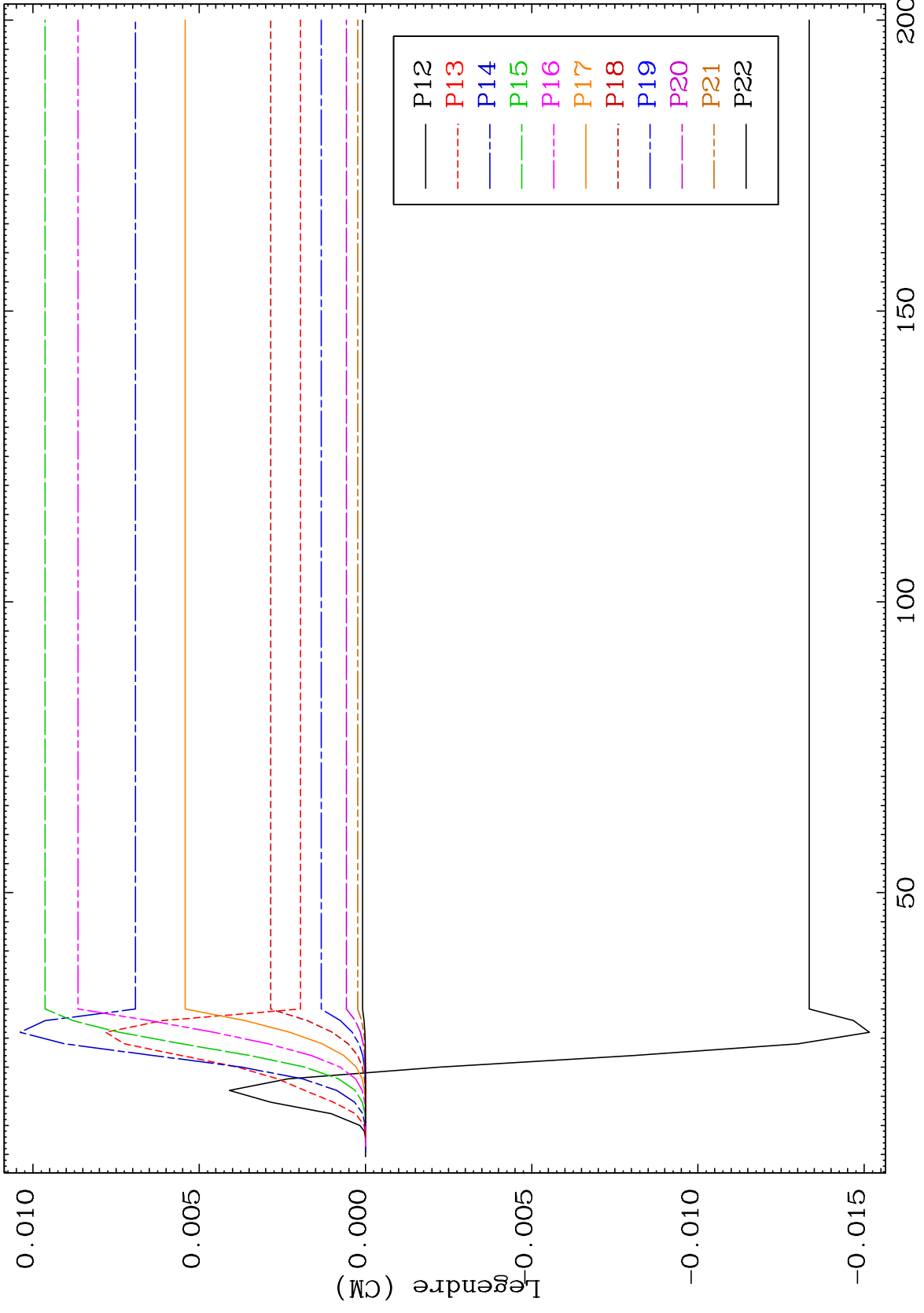


85

Incident Energy (MeV)

30-Zn-77

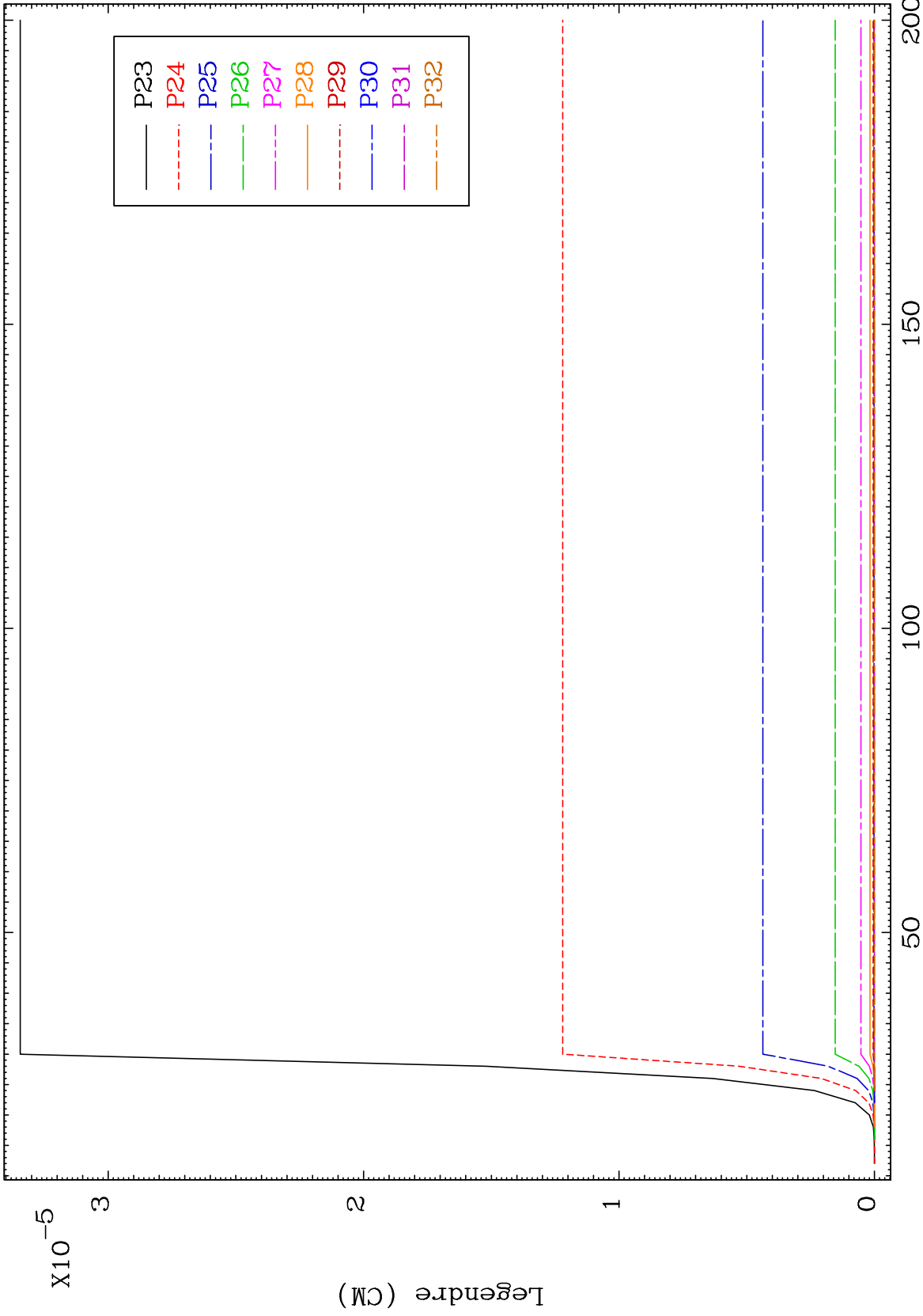
MAT 3064 MT= 70 (n,n') Level Legendre Coefficients 30-Zn-77



MAT 3064

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

30-Zn-77



87

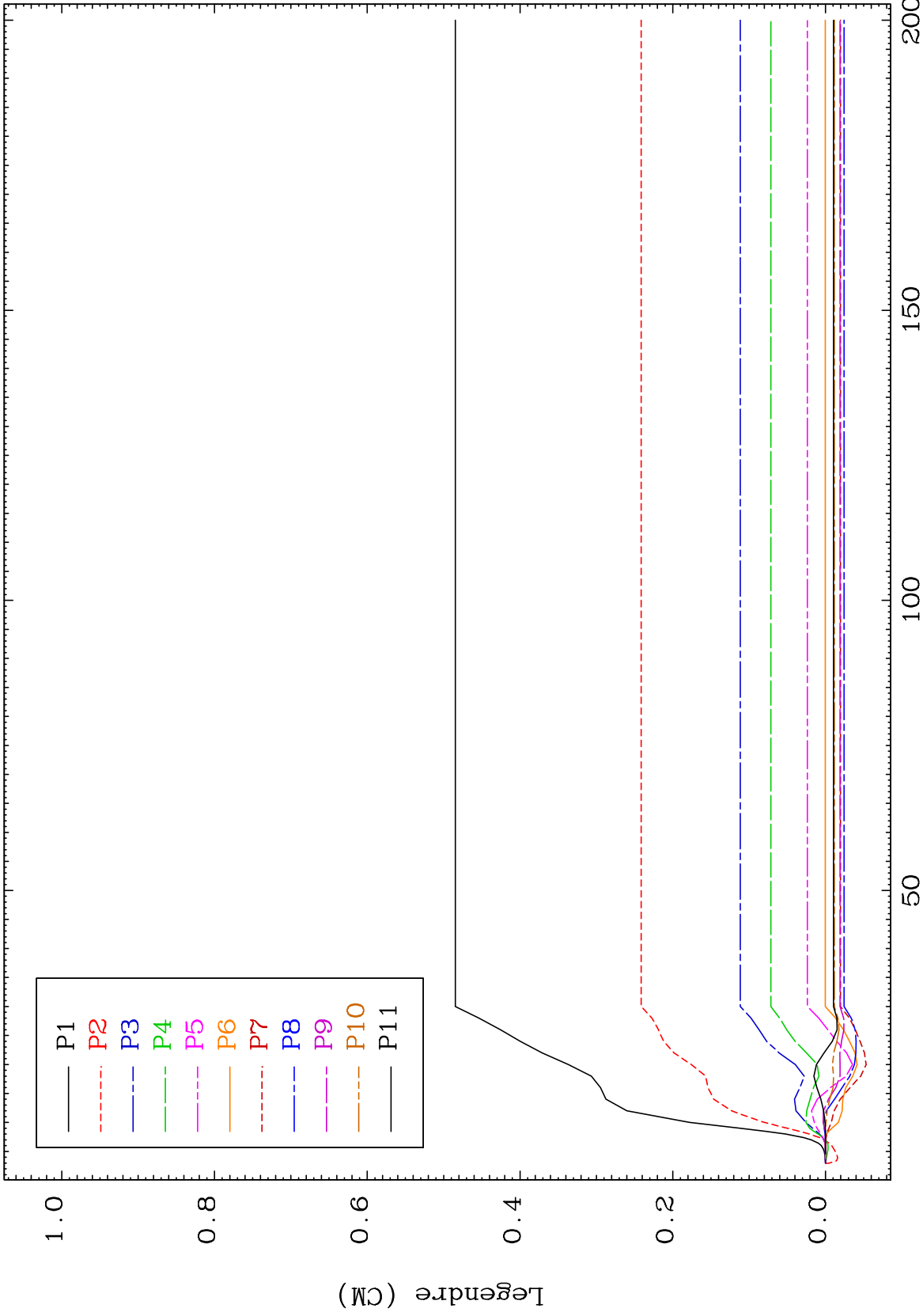
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

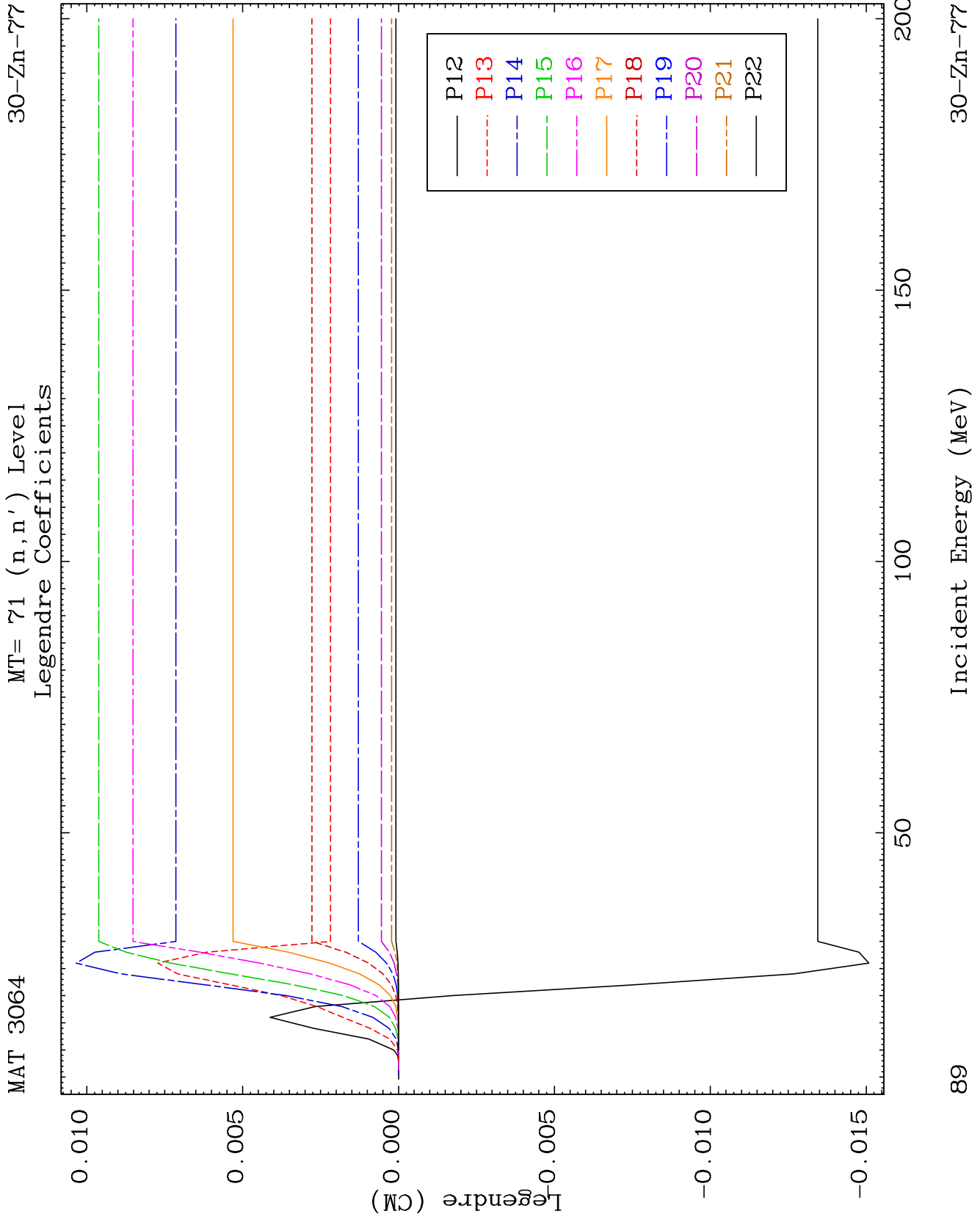
30-Zn-77



88

Incident Energy (MeV)

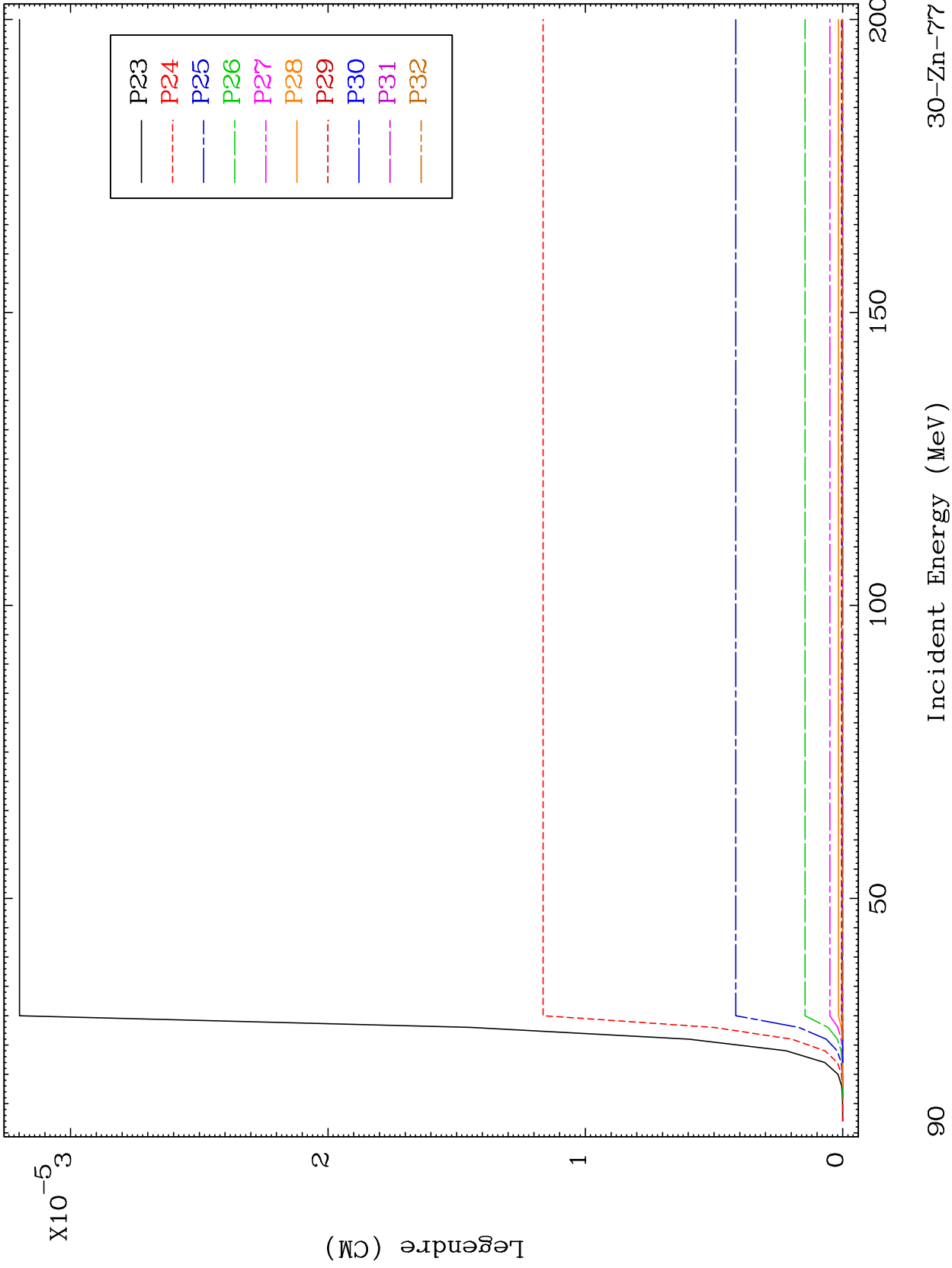
30-Zn-77



MAT 3064

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

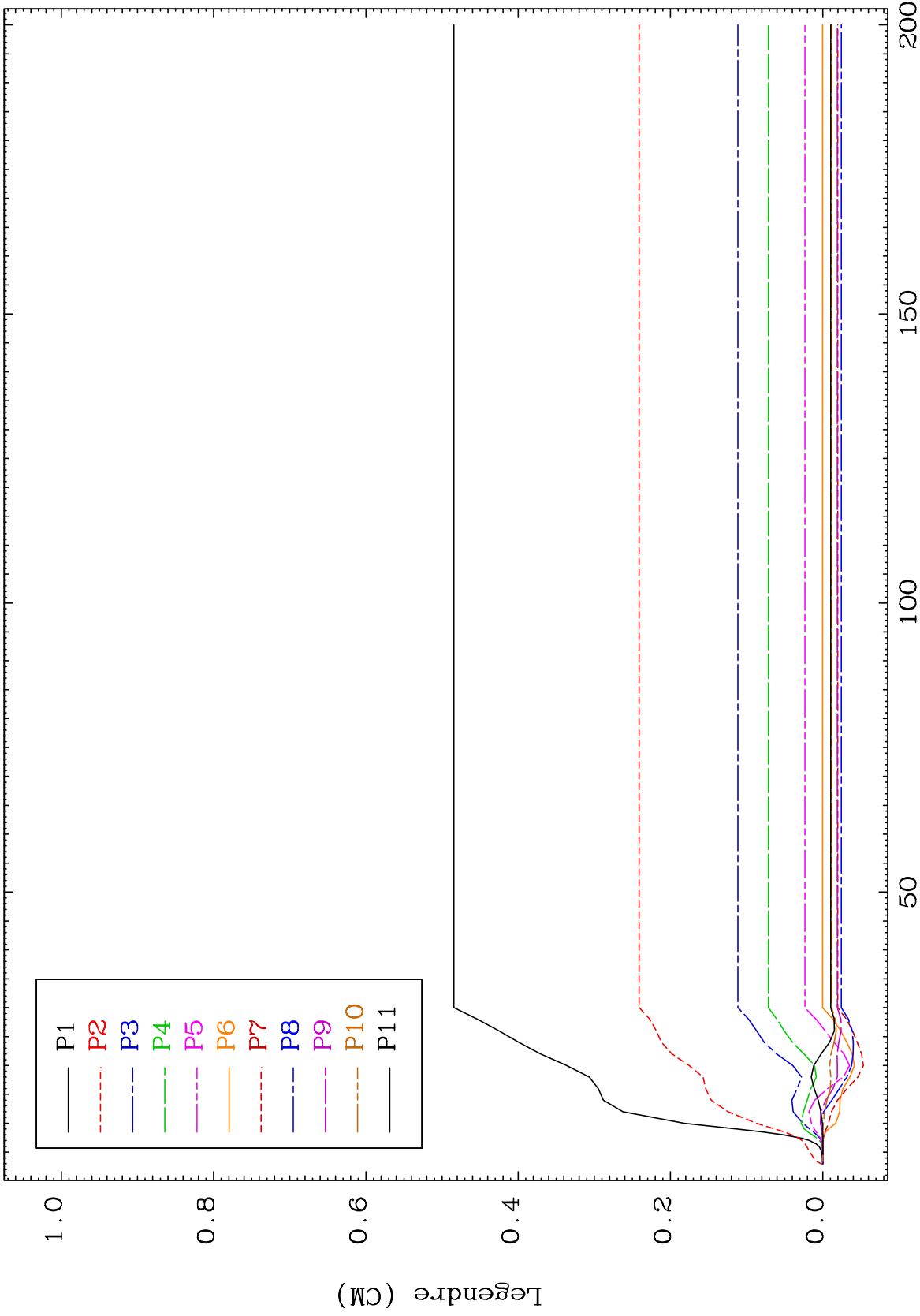
30-Zn-77



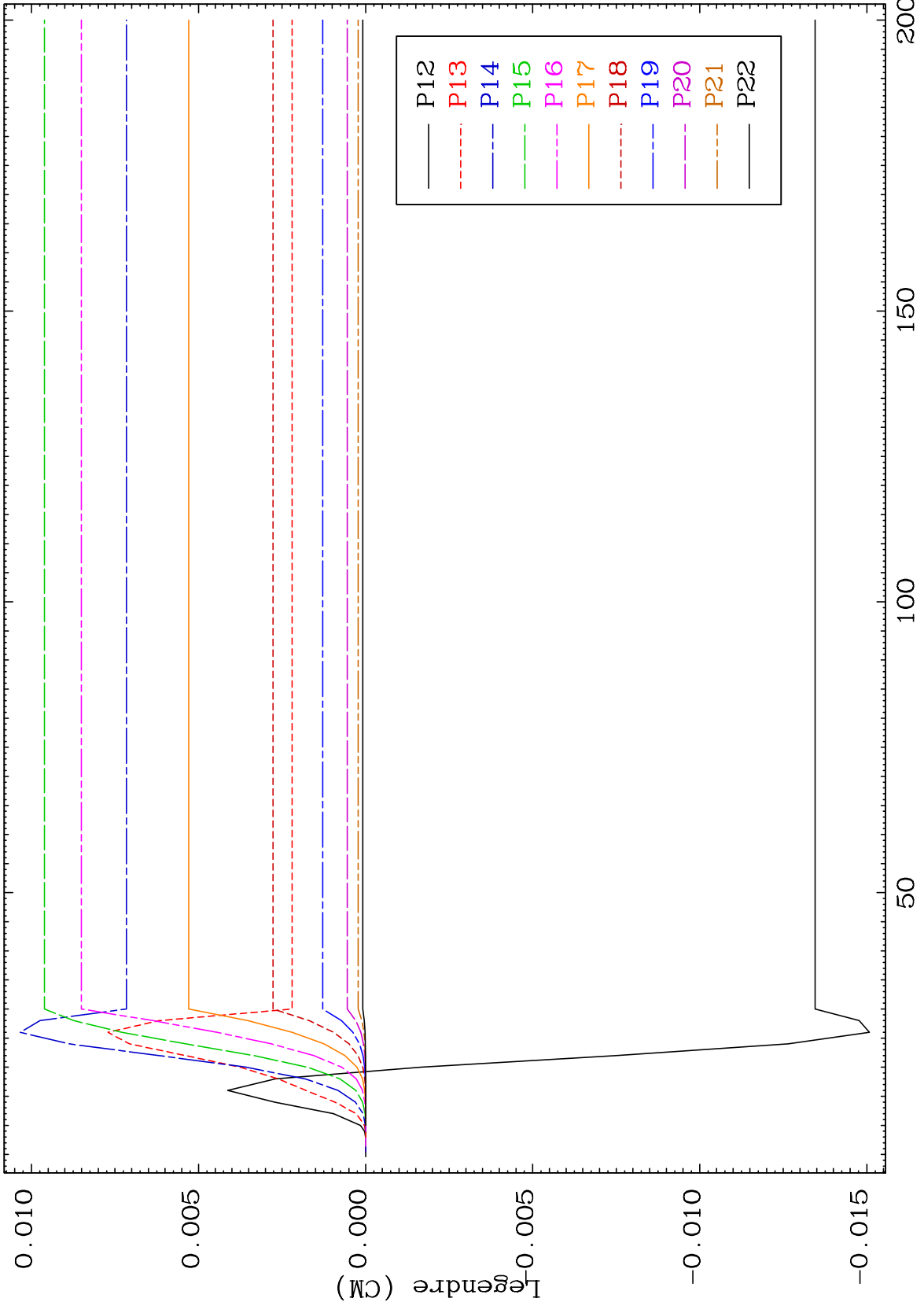
MAT 3064

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

30-Zn-77



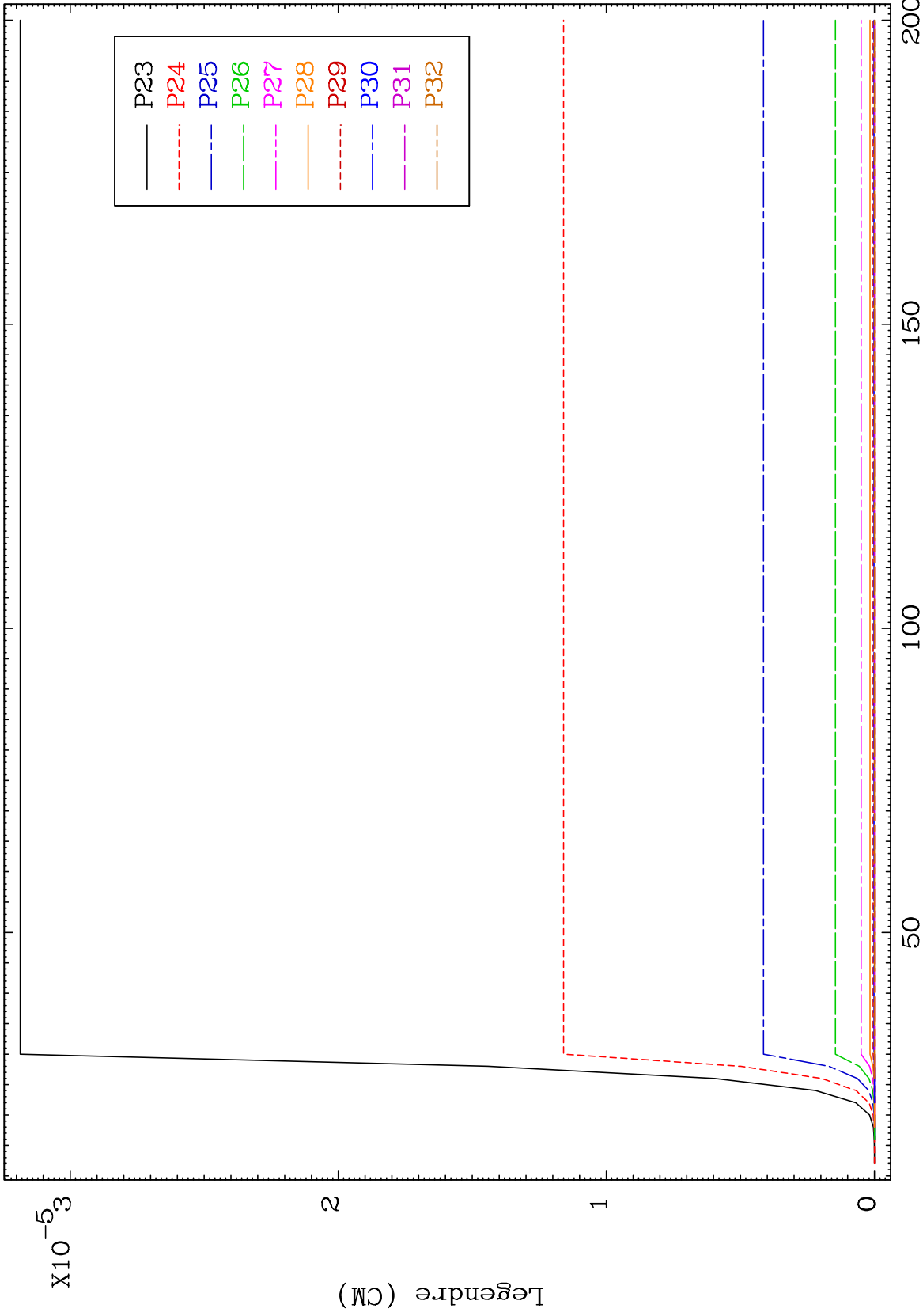
MAT 3064 MT= 72 (n,n') Level Legendre Coefficients 30-Zn-77



MAT 3064

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

30-Zn-77



93

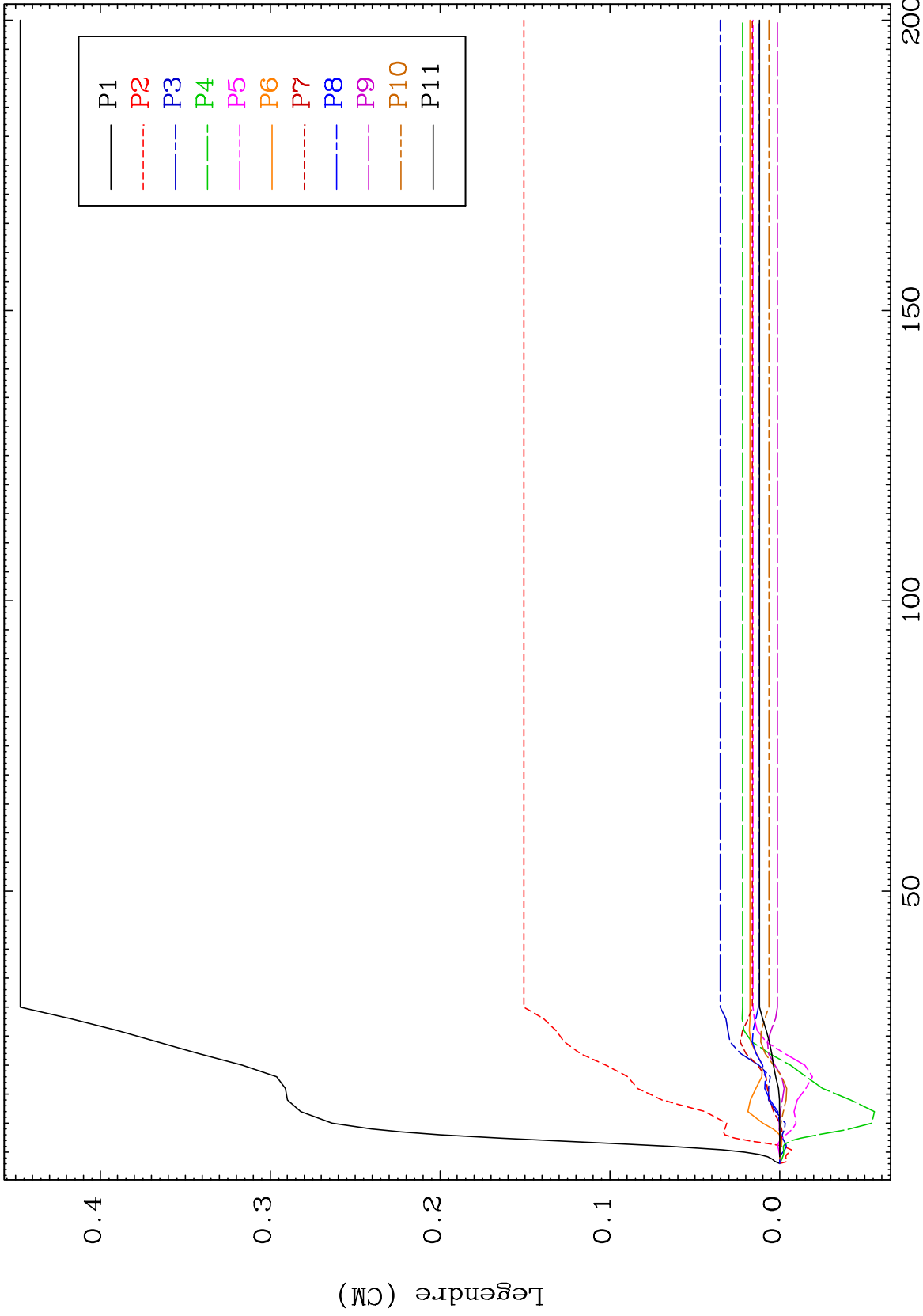
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



94

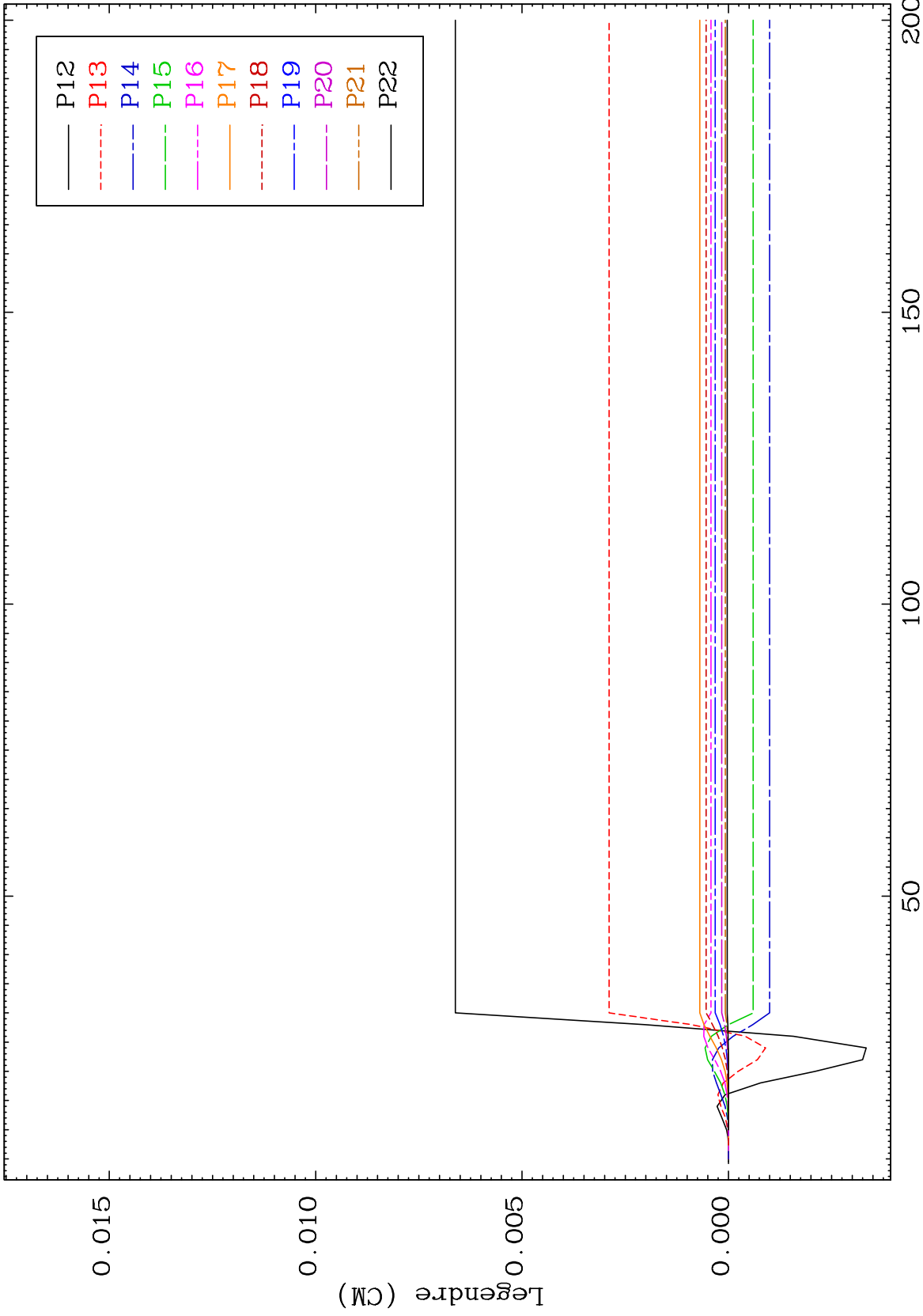
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



95

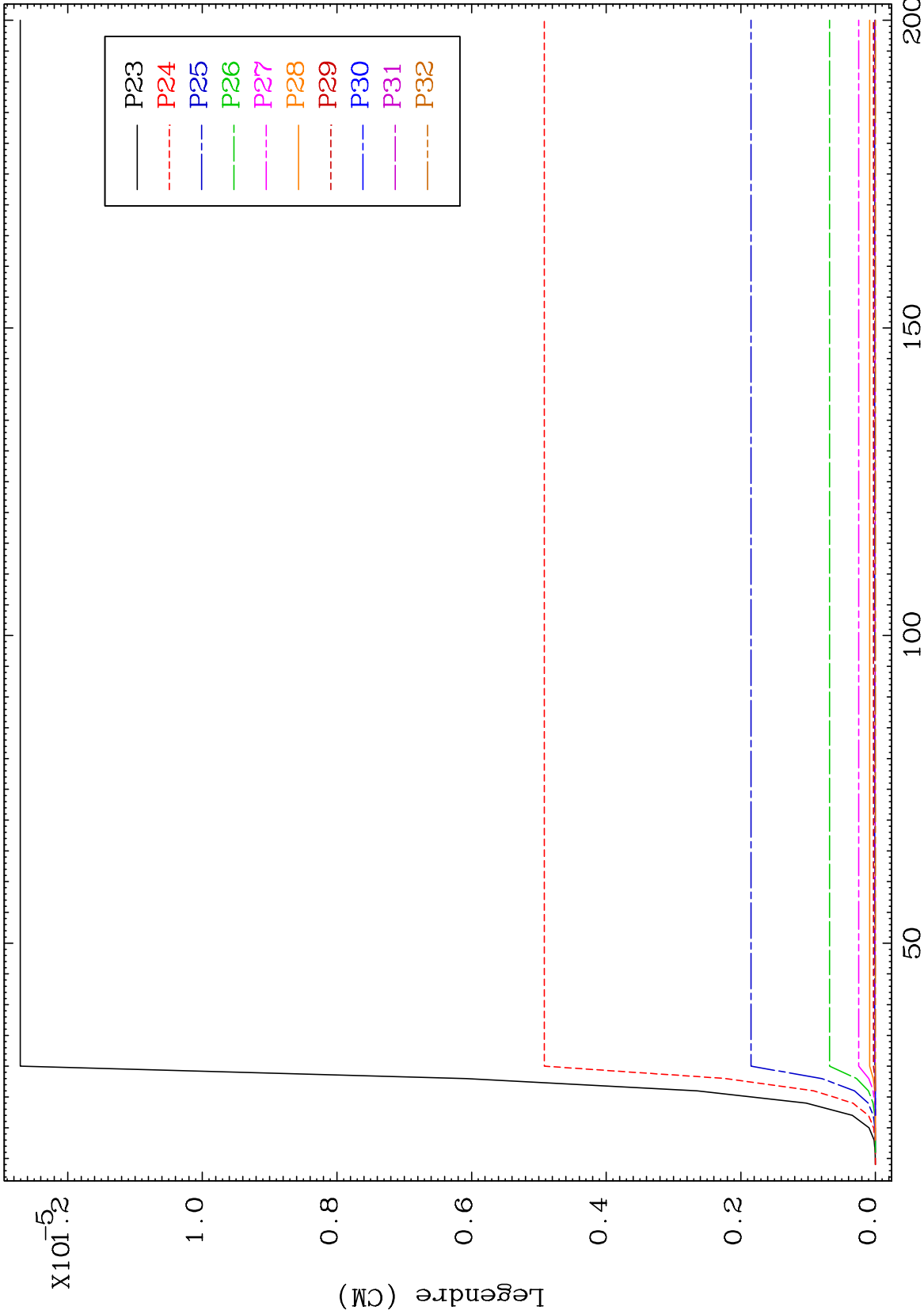
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77

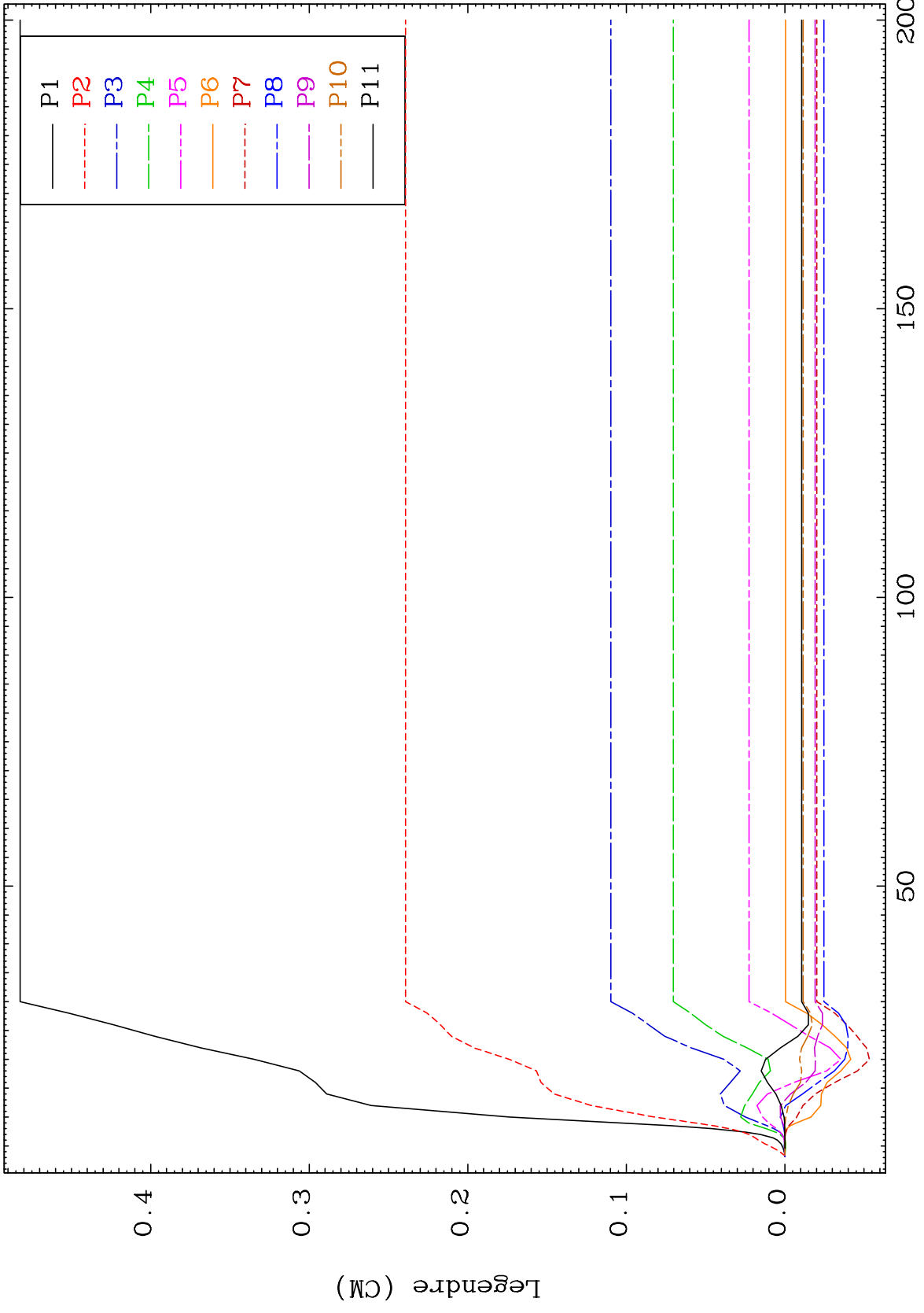


96

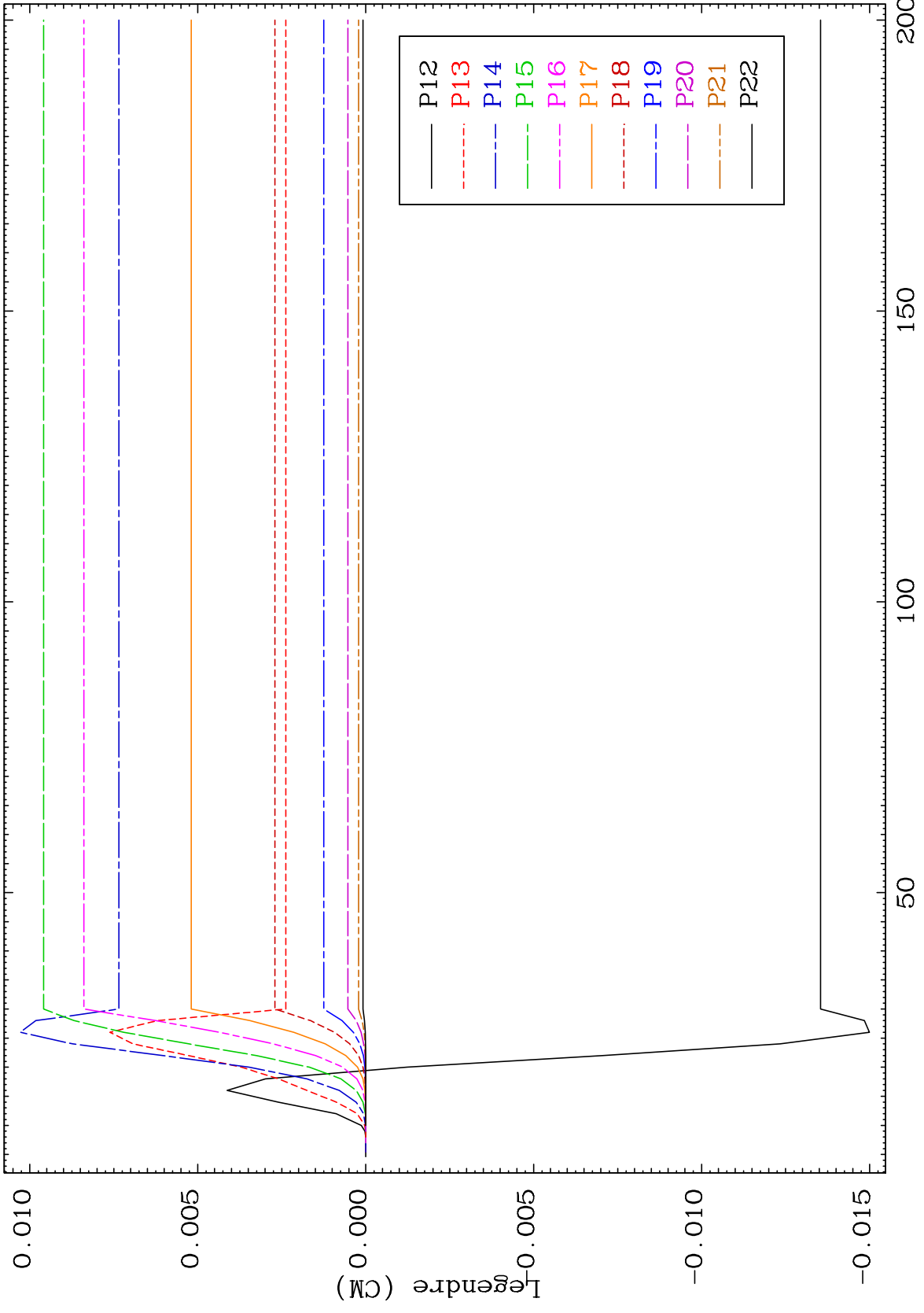
Incident Energy (MeV)

30-Zn-77

MAT 3064 MT= 74 (n,n') Level Legendre Coefficients 30-Zn-77



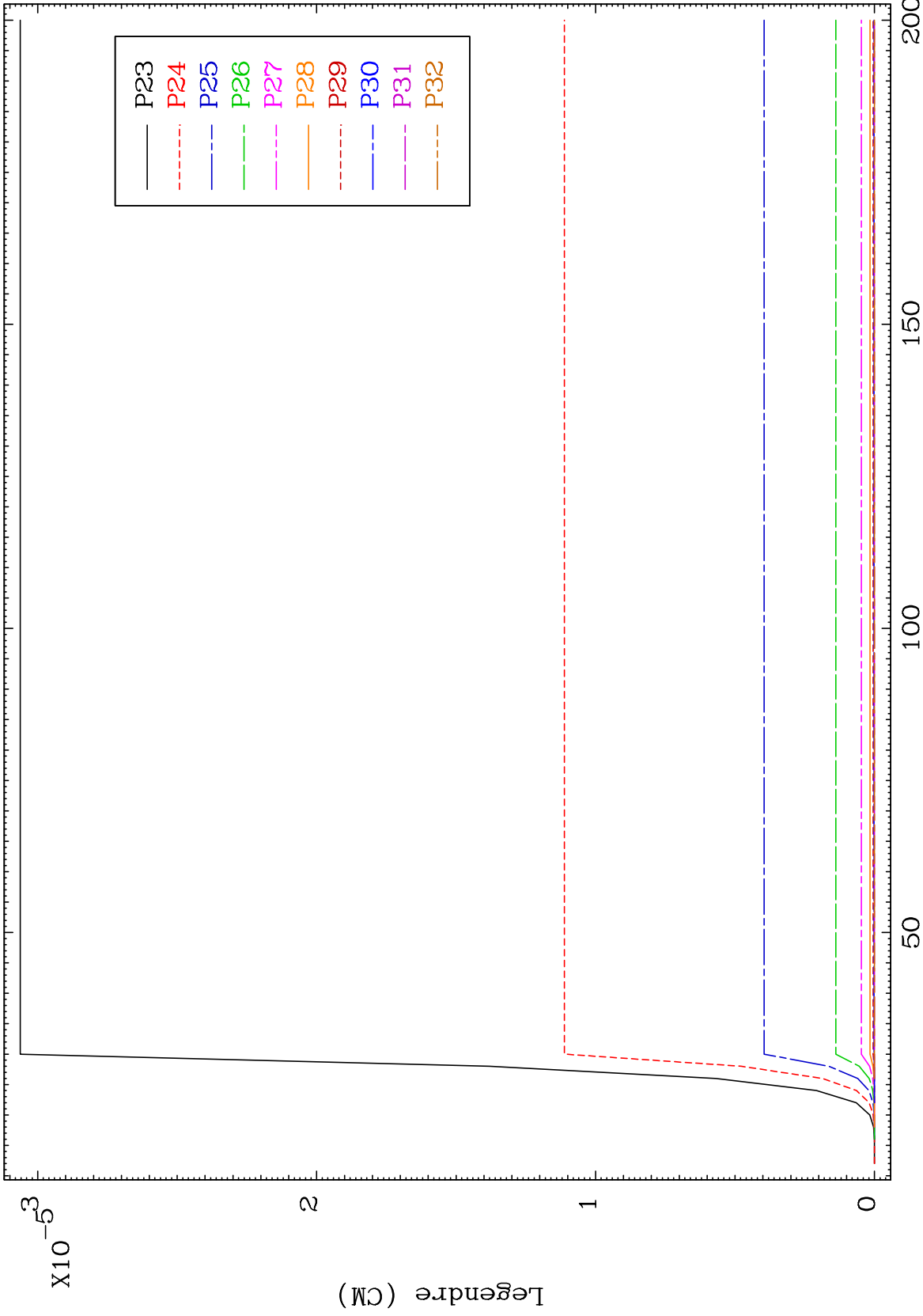
MAT 3064 MT= 74 (n,n') Level Legendre Coefficients 30-Zn-77



MAT 3064

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

30-Zn-77

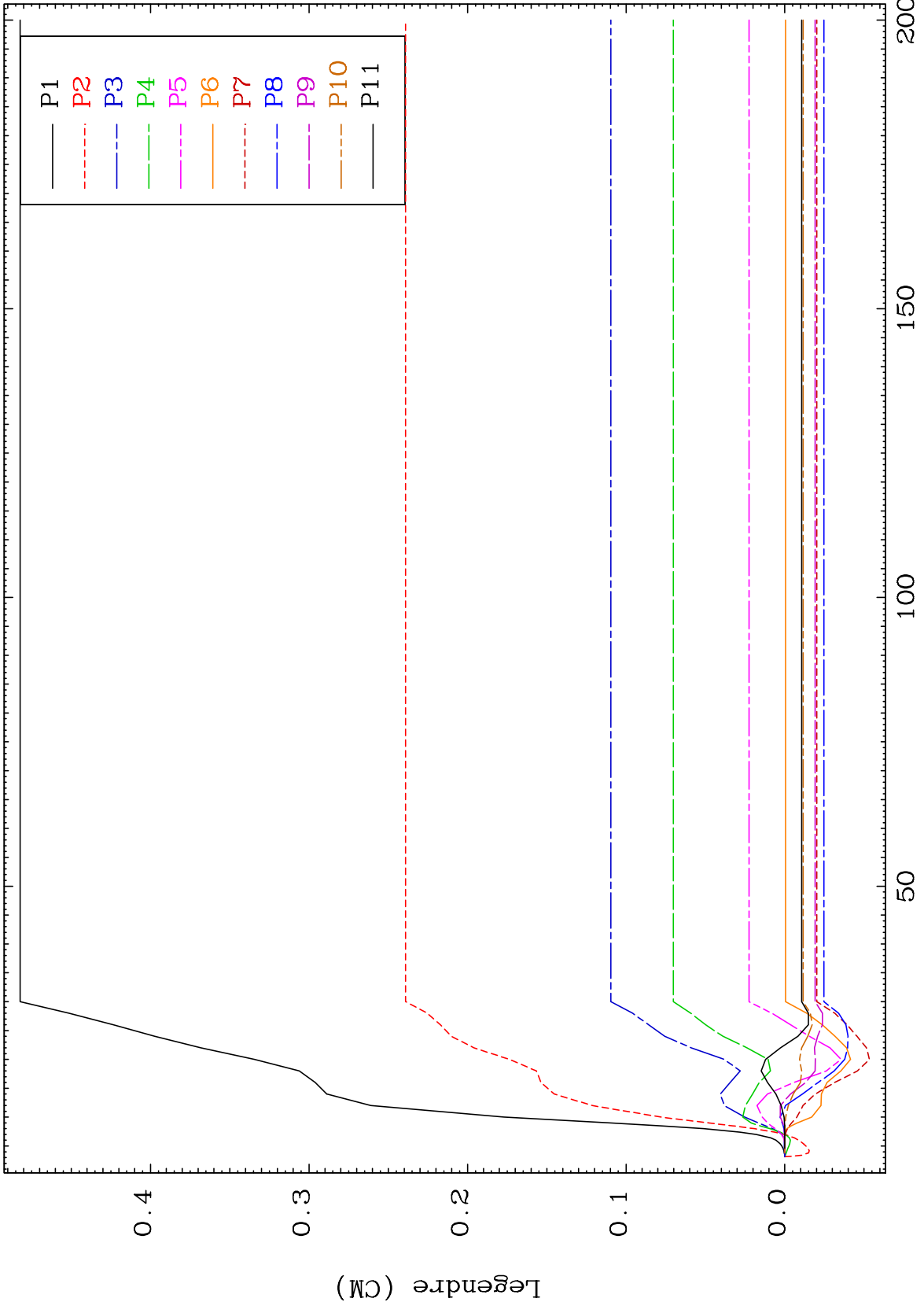


99

Incident Energy (MeV)

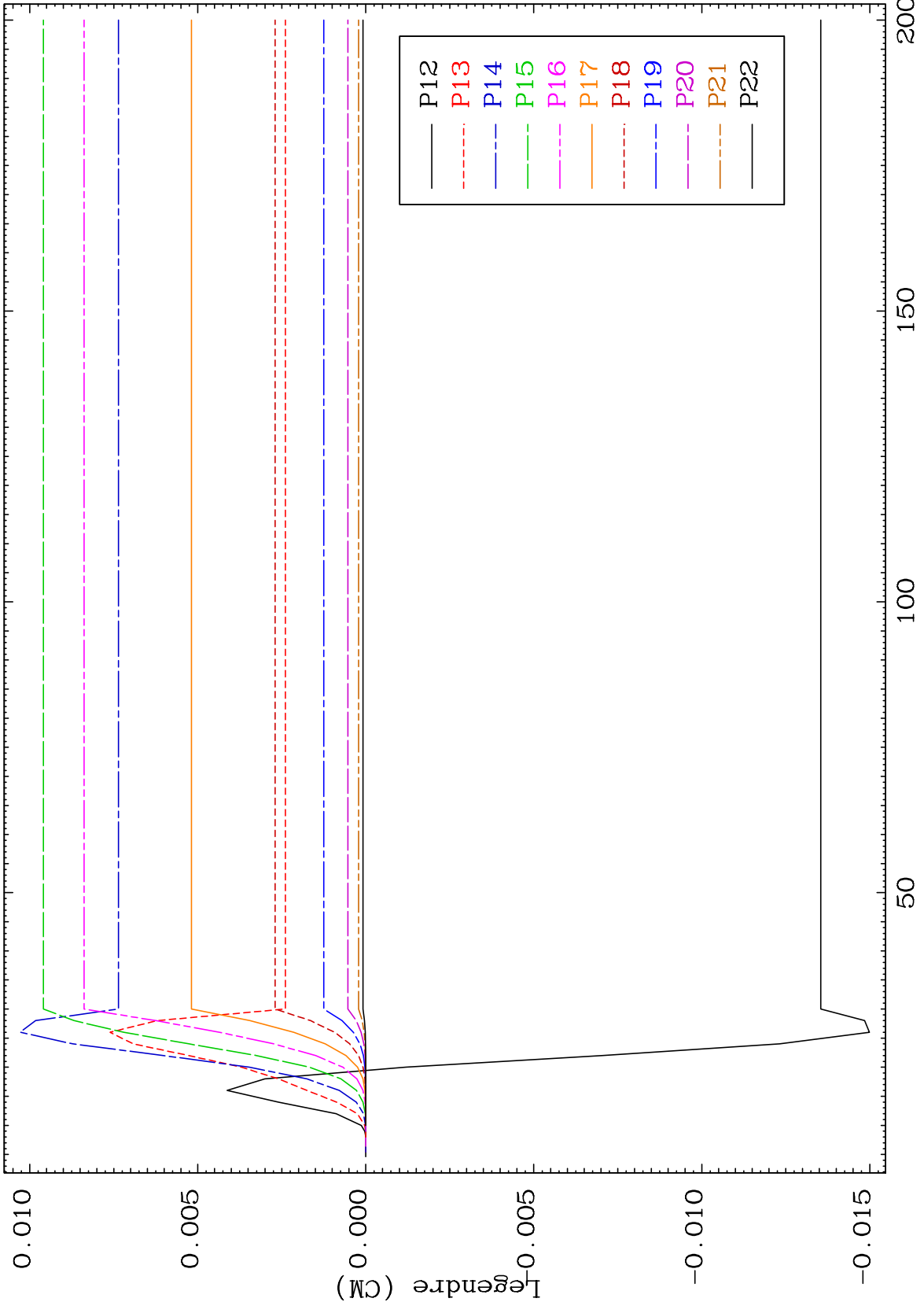
30-Zn-77

MAT 3064 MT= 75 (n,n') Level Legendre Coefficients 30-Zn-77



30-Zn-77

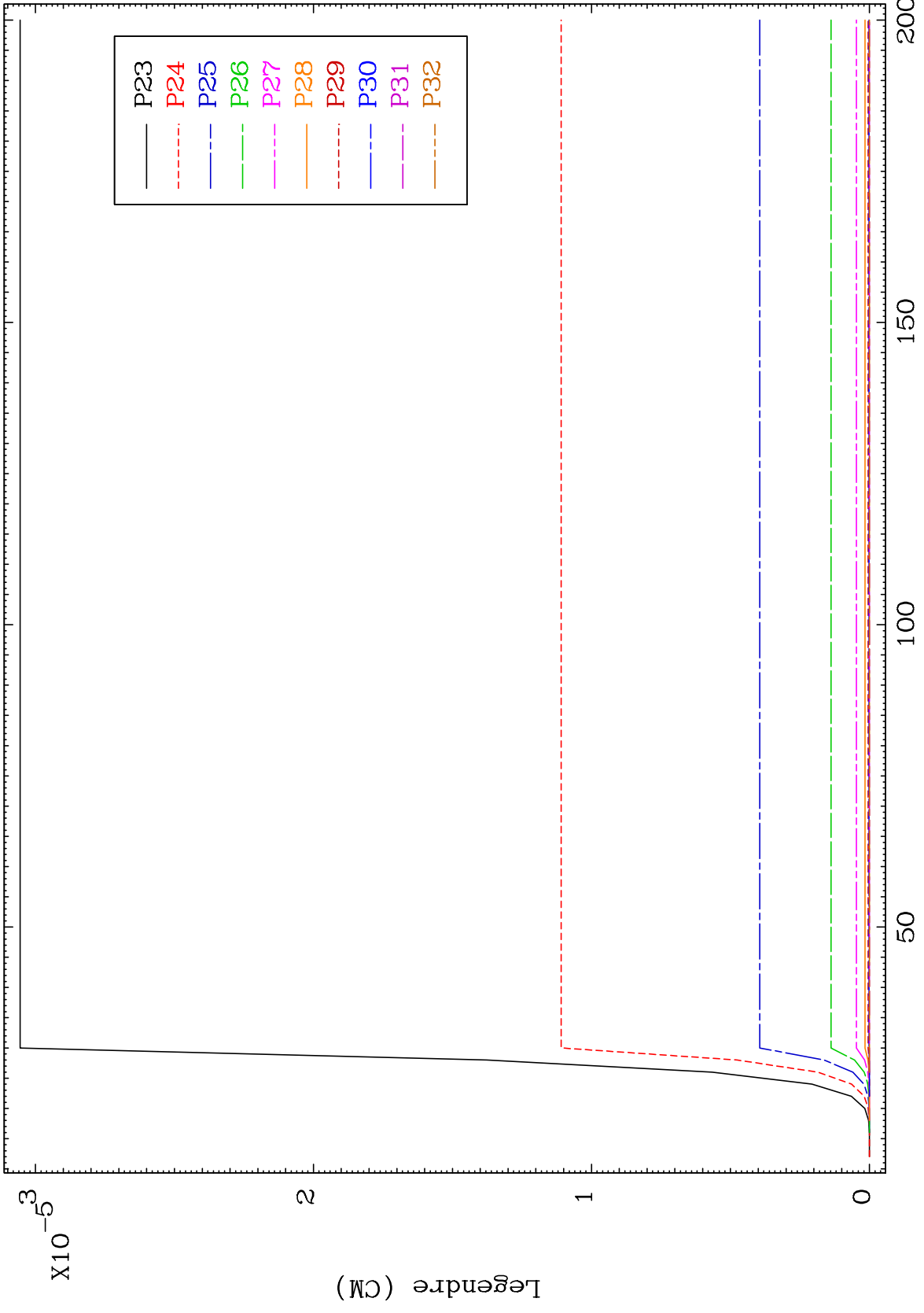
MAT 3064 MT= 75 (n,n') Level Legendre Coefficients 30-Zn-77



MAT 3064

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

30-Zn-77



102

50

100

Incident Energy (MeV)

150

30-Zn-77

10^{-5}

2

1

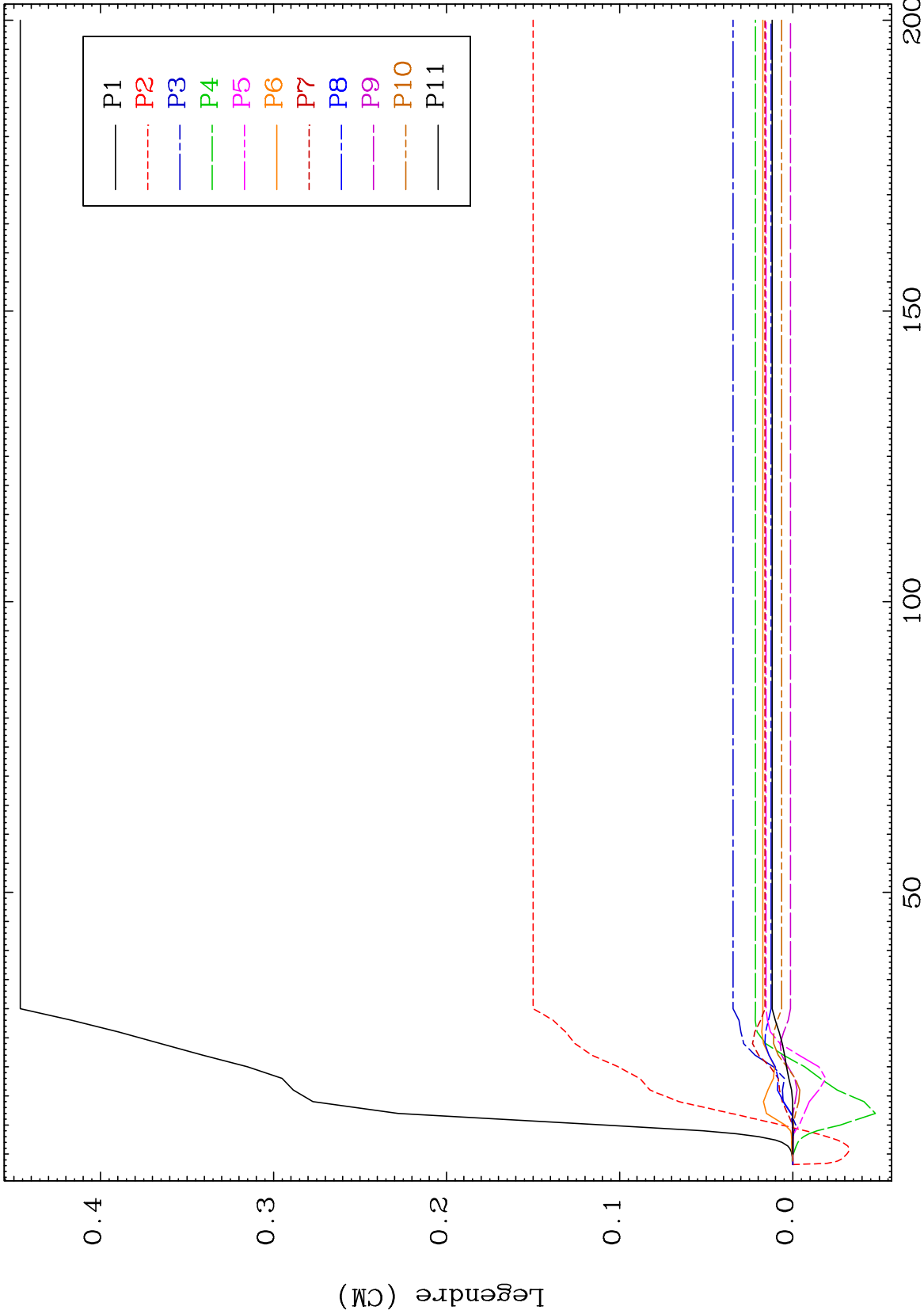
0

200

MAT 3064

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

30-Zn-77



103

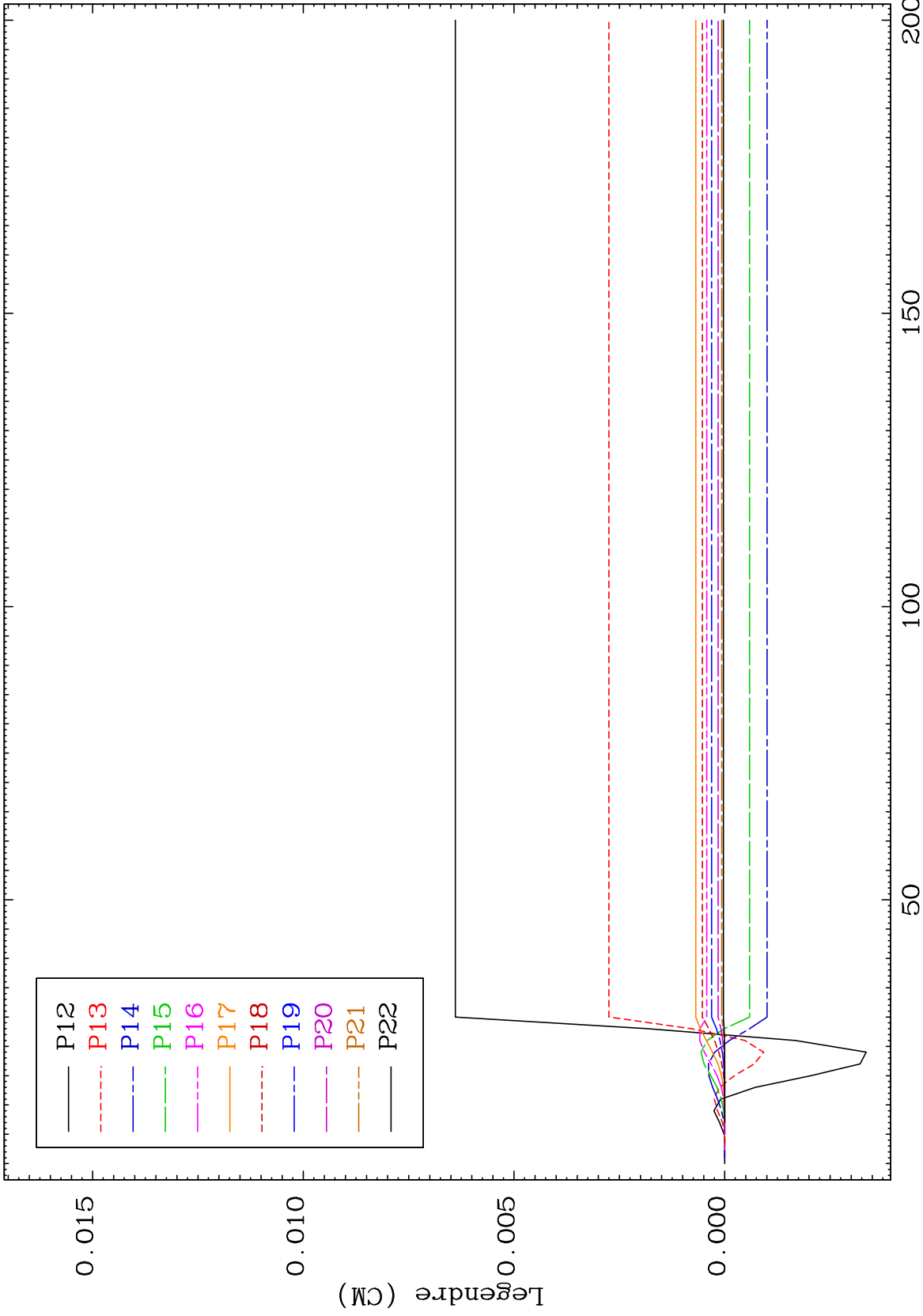
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



104

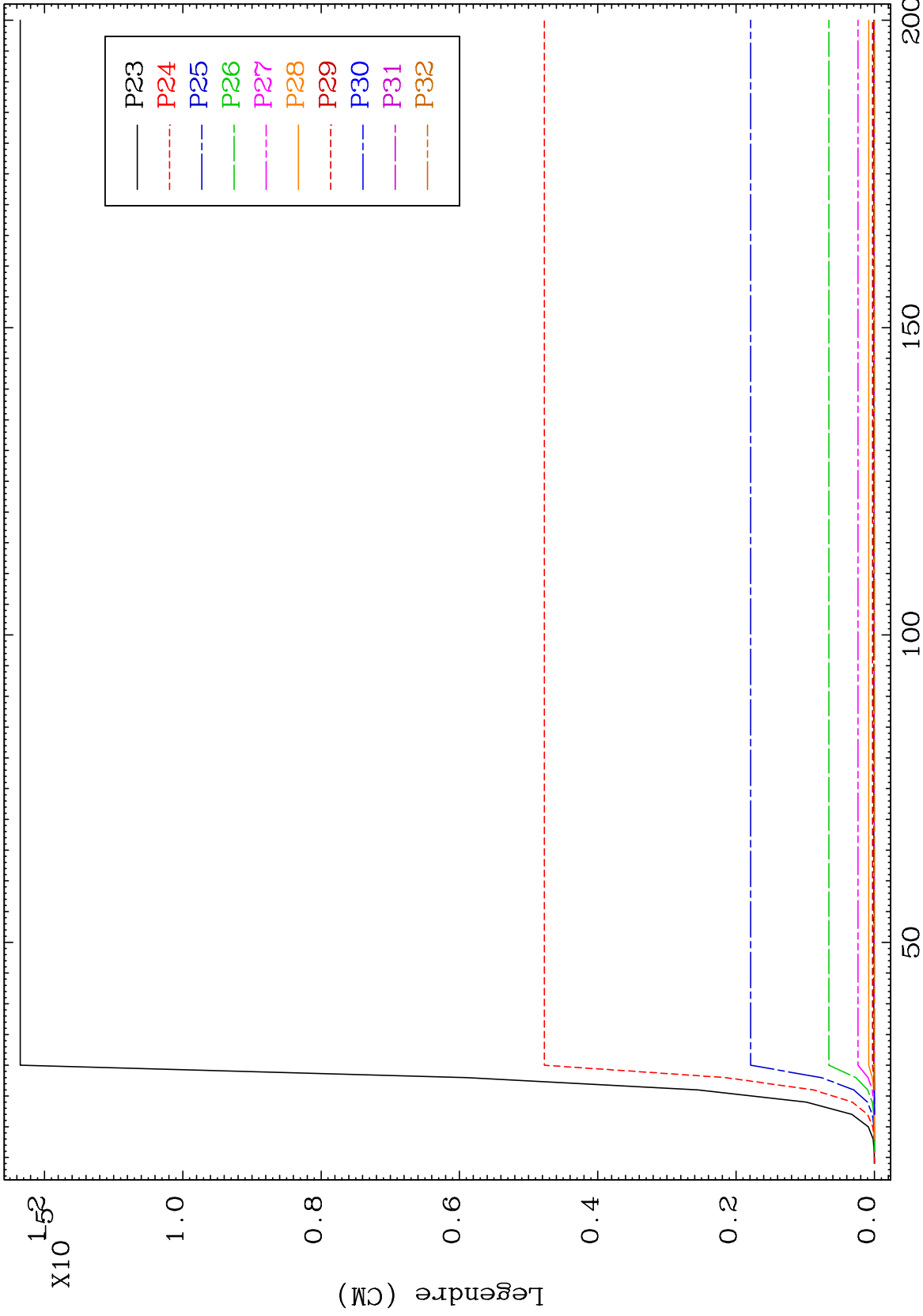
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



105

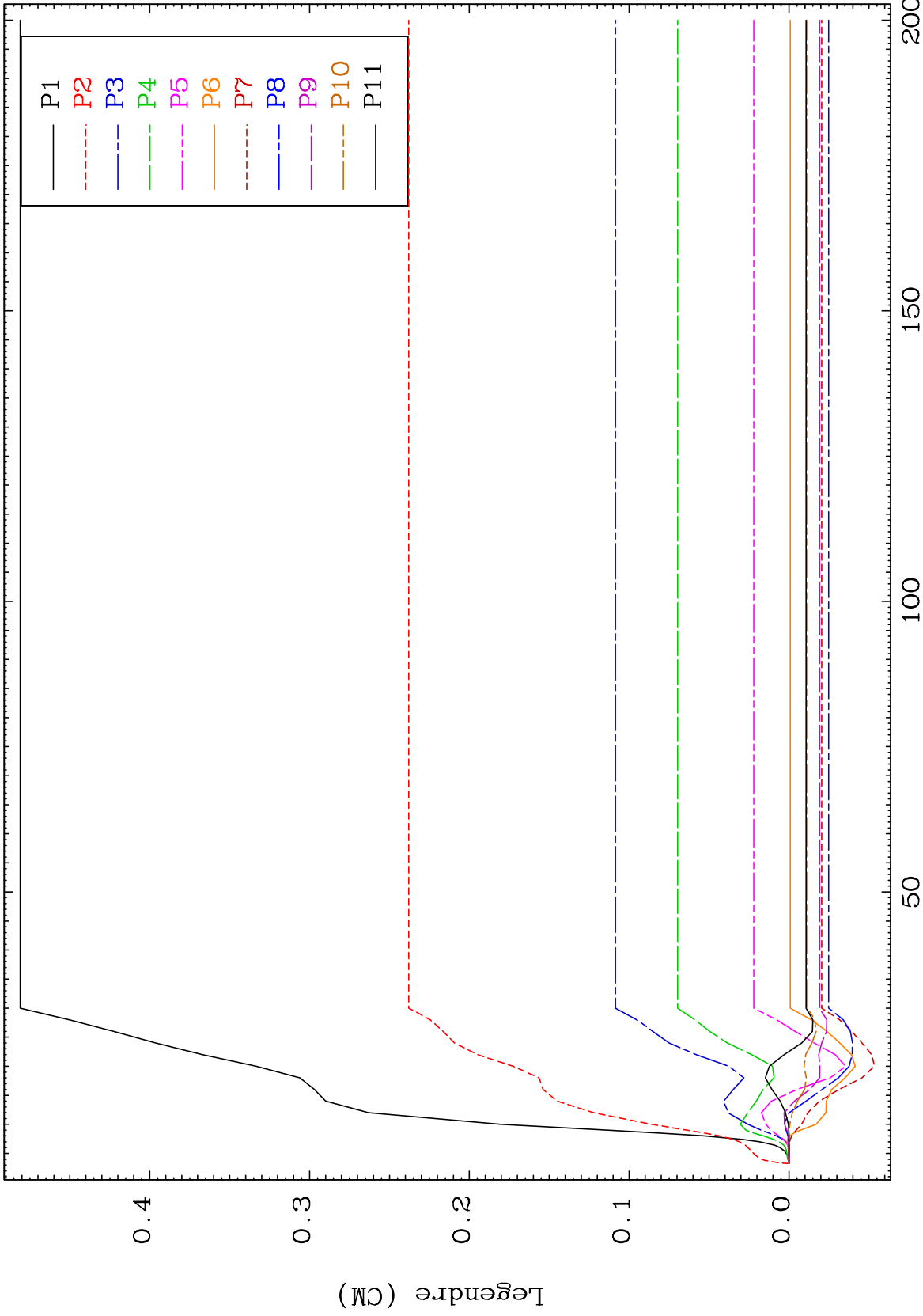
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77

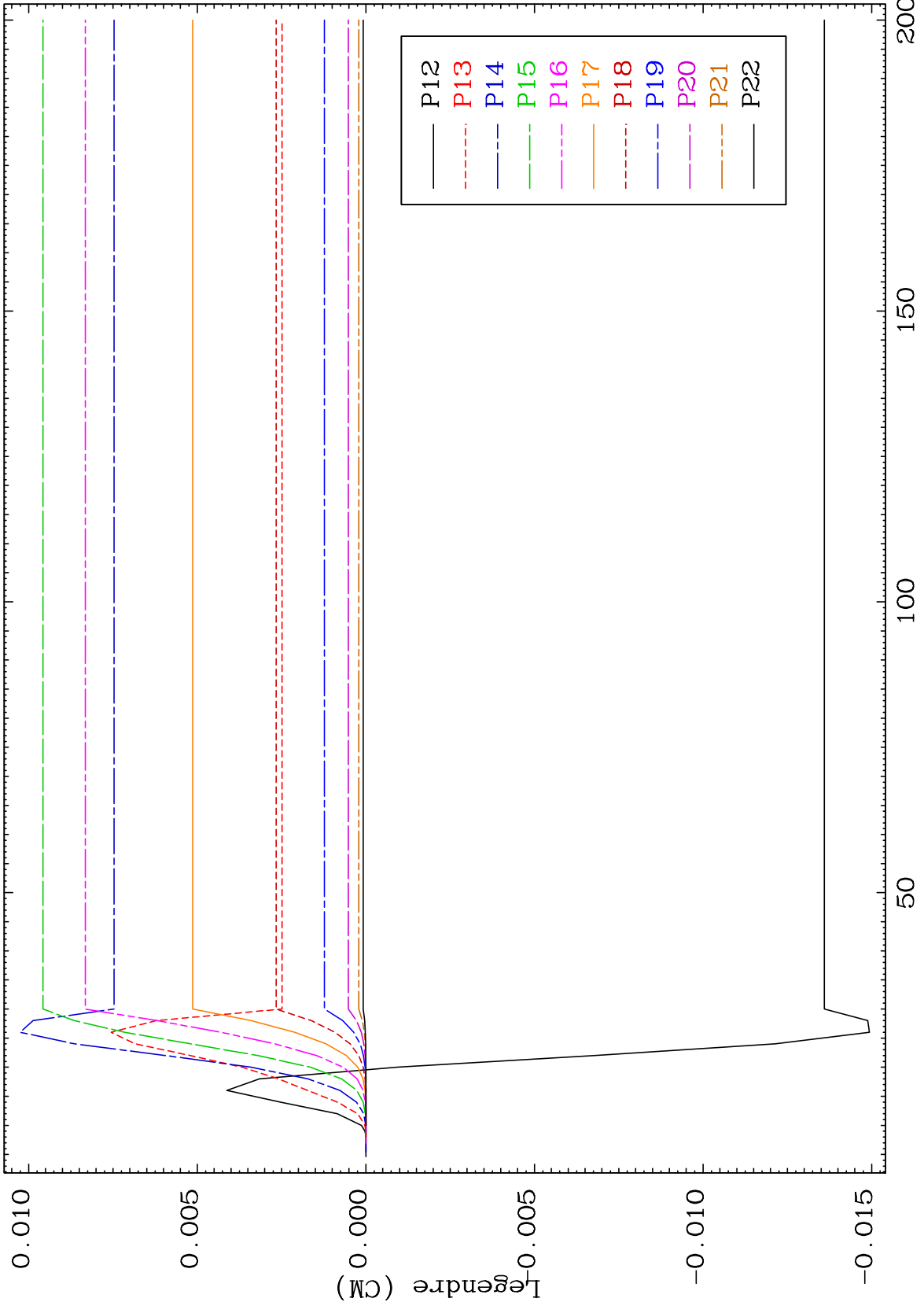


106

Incident Energy (MeV)

30-Zn-77

MAT 3064 MT= 77 (n,n') Level Legendre Coefficients 30-Zn-77

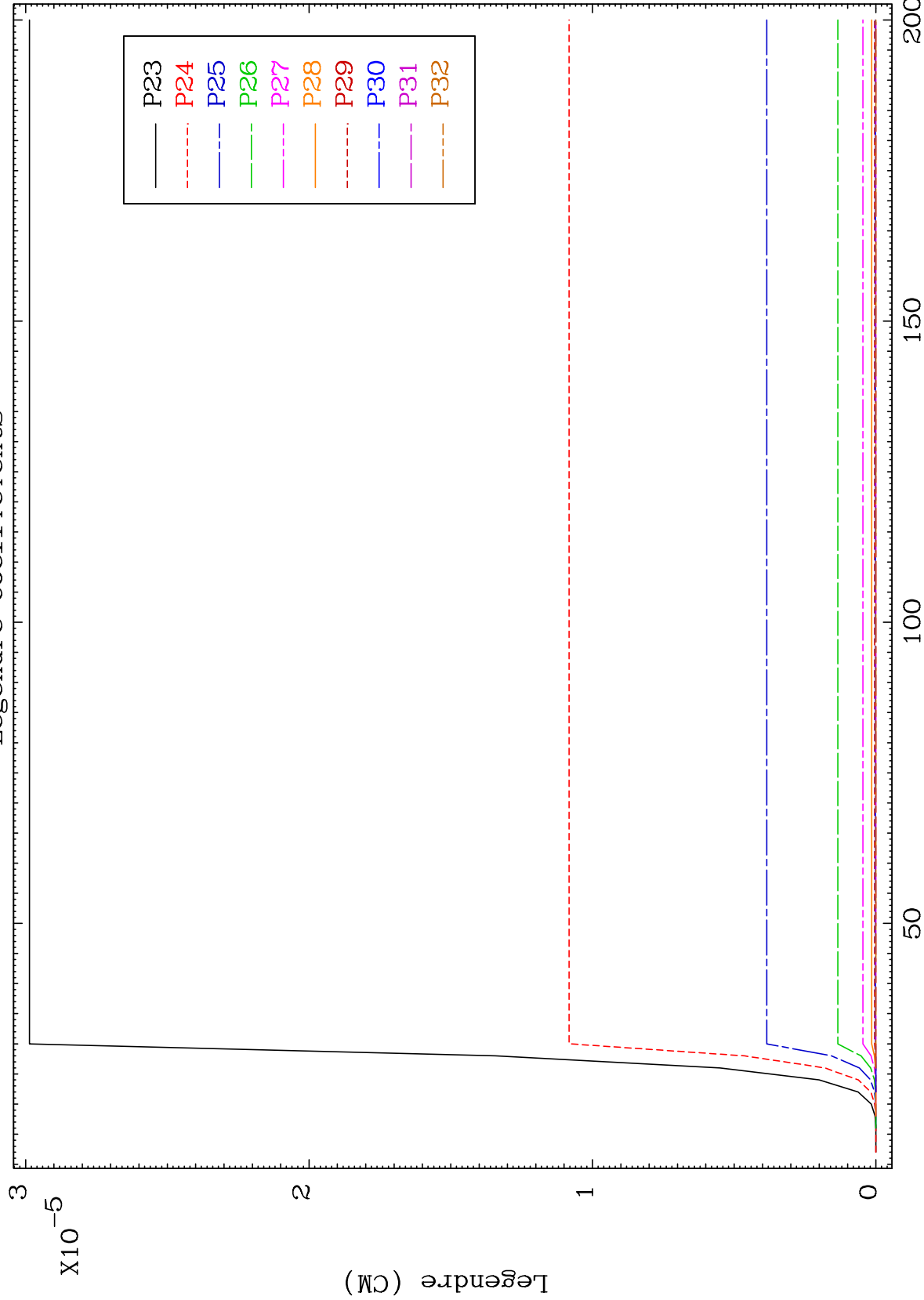


107 30-Zn-77

MAT 3064

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

30-Zn-77

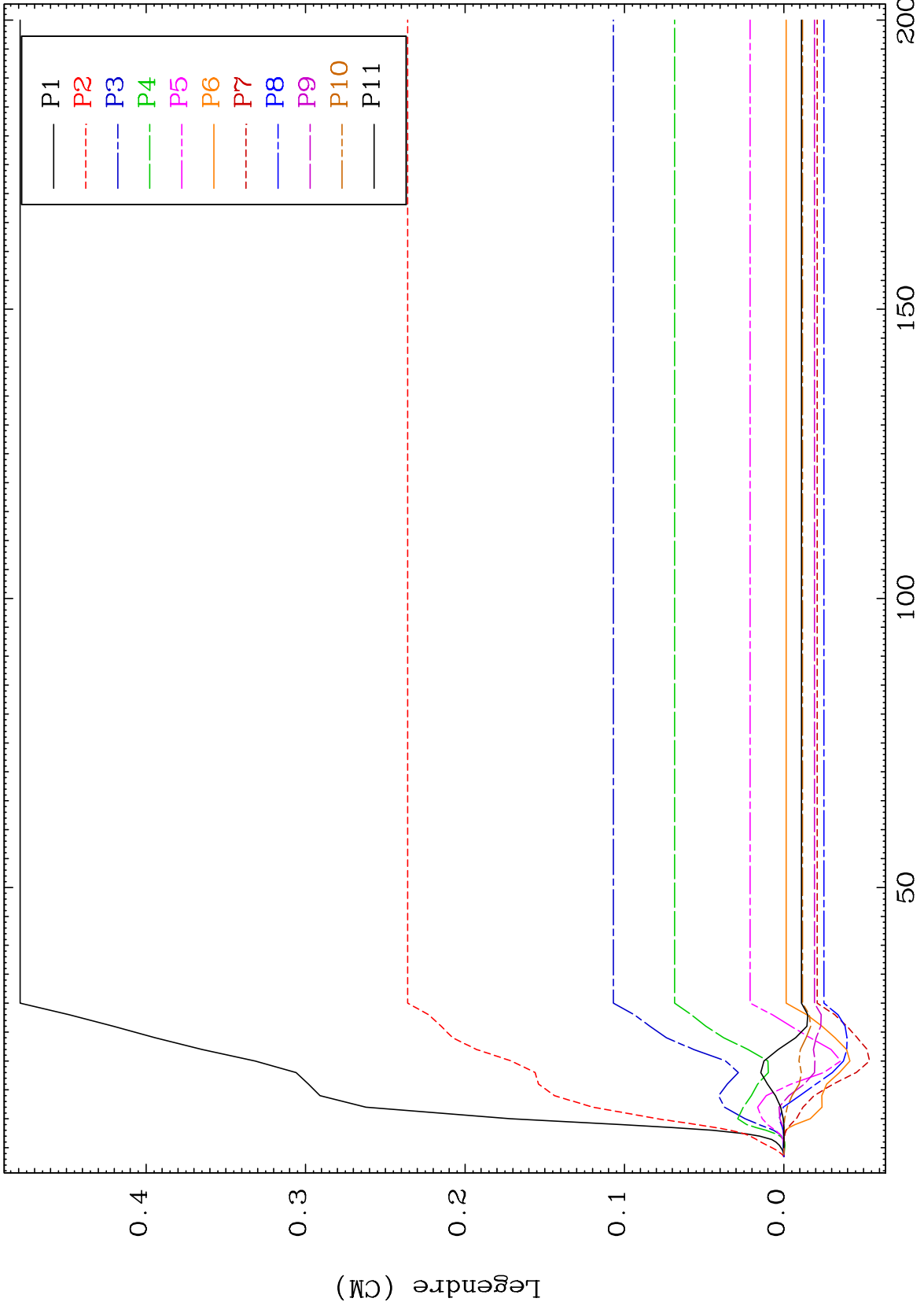


108

Incident Energy (MeV)

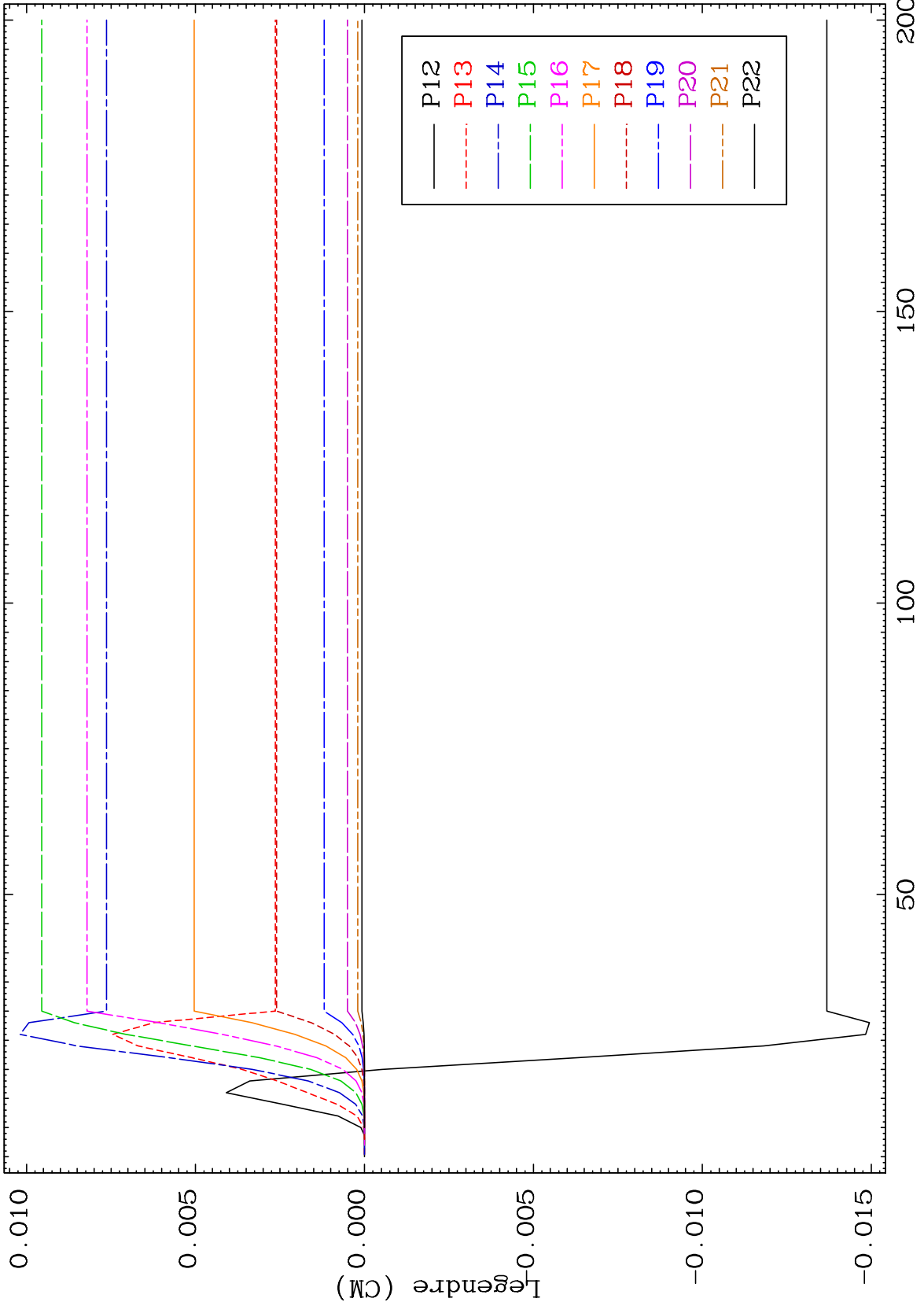
30-Zn-77

MAT 3064 MT= 78 (n,n') Level Legendre Coefficients 30-Zn-77



109 Incident Energy (MeV) 30-Zn-77

MAT 3064 MT= 78 (n,n') Level Legendre Coefficients 30-Zn-77

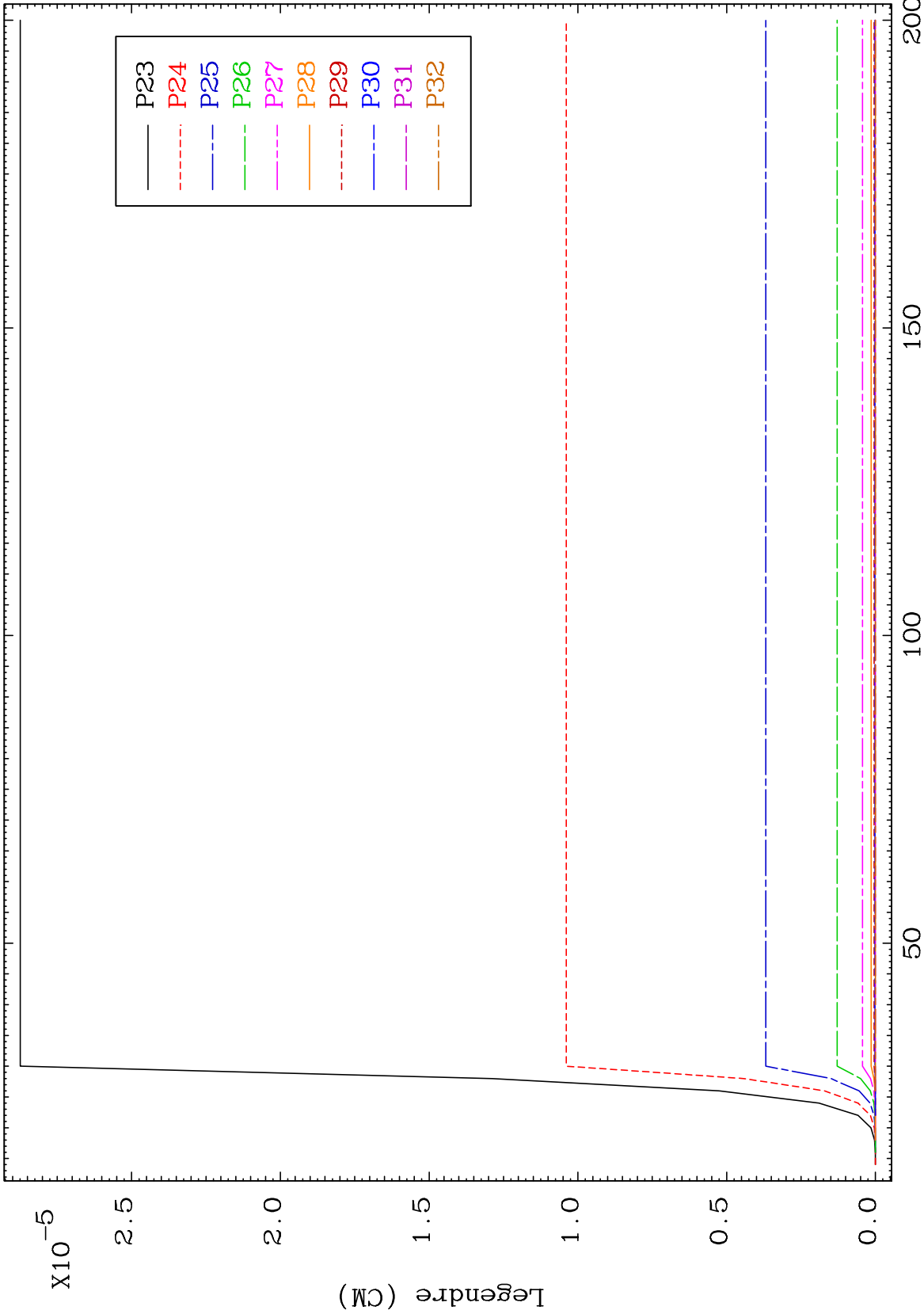


110 Incident Energy (MeV) 30-Zn-77

MAT 3064

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

30-Zn-77



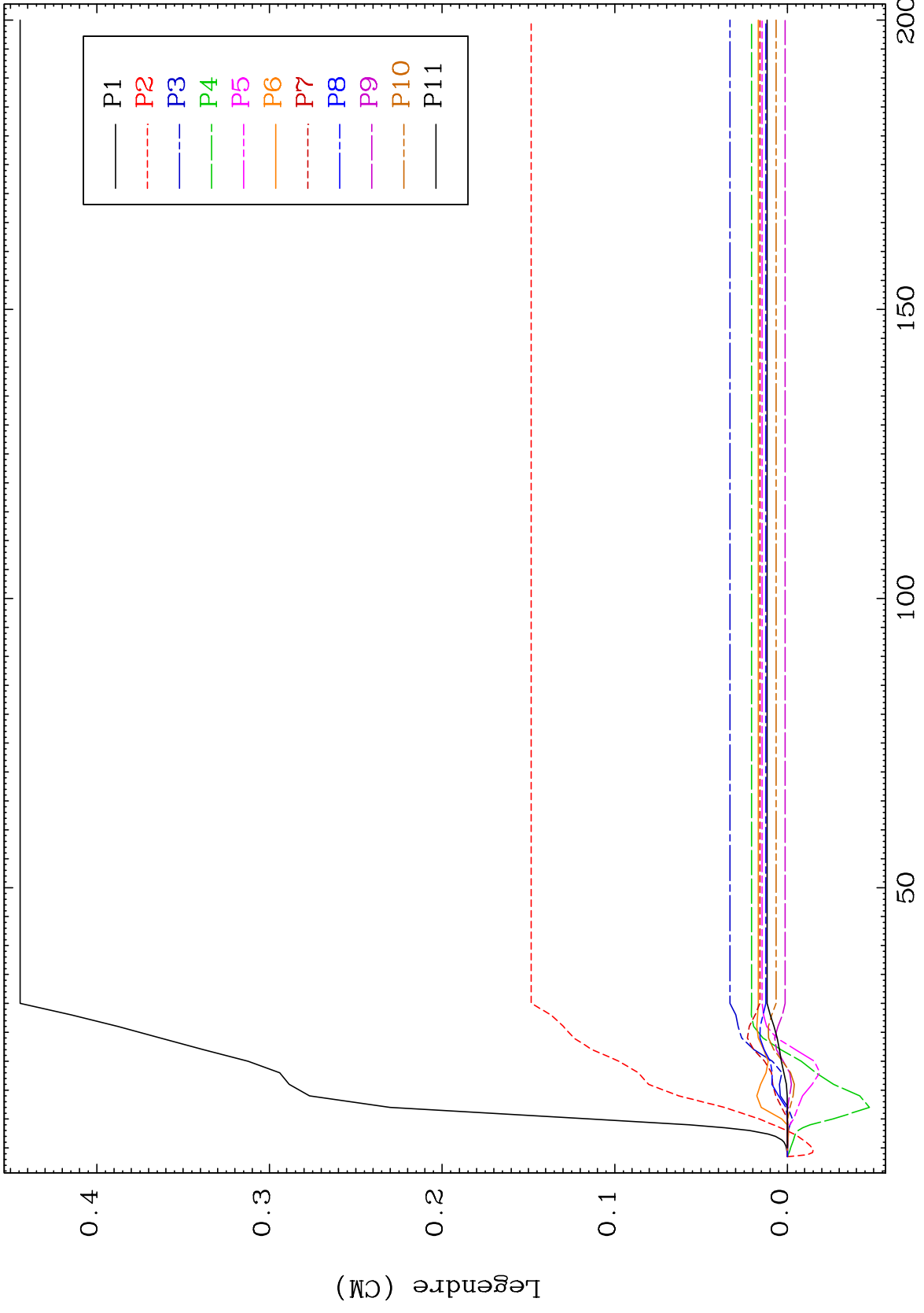
111

30-Zn-77

MAT 3064

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

30-Zn-77



112

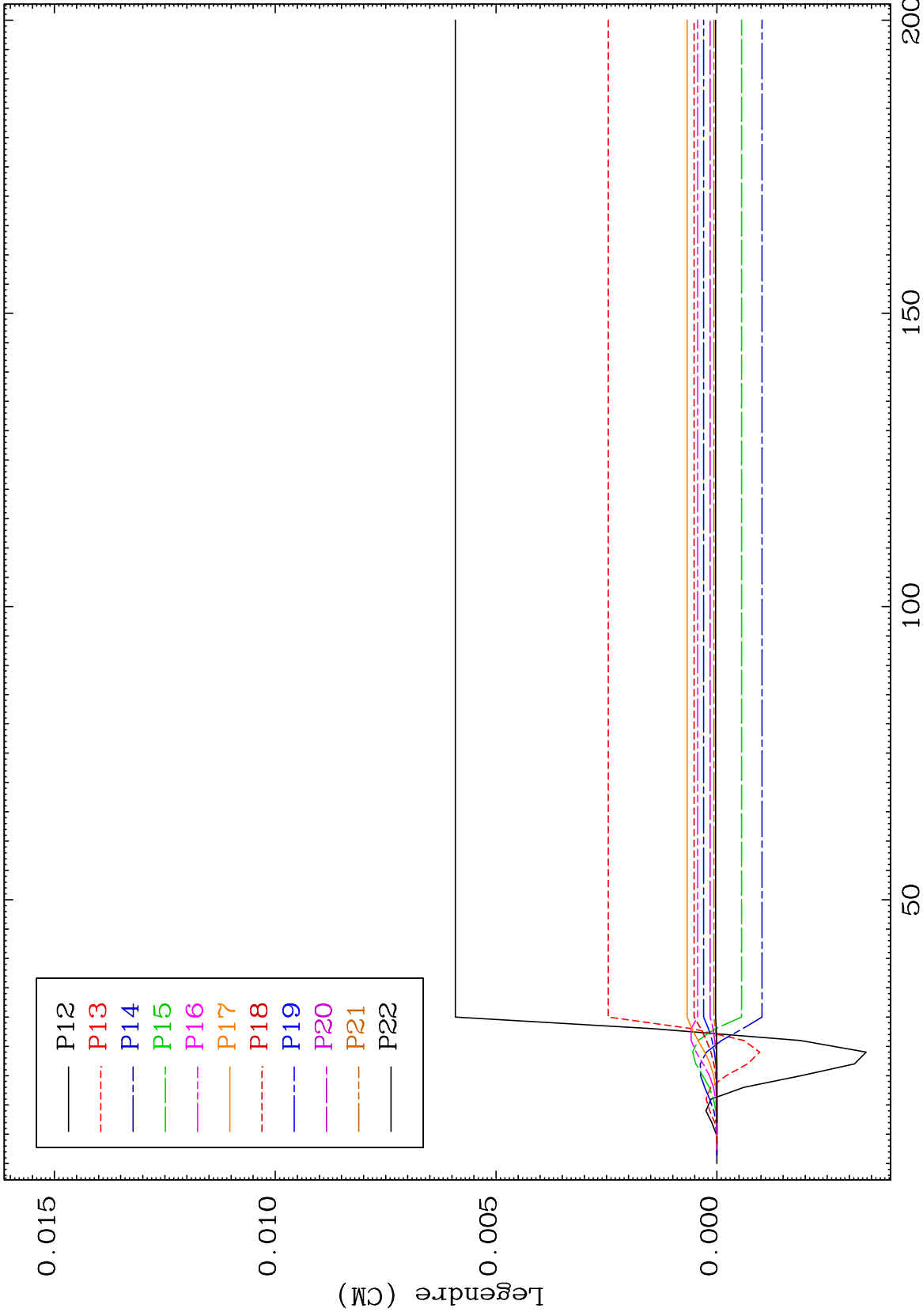
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



113

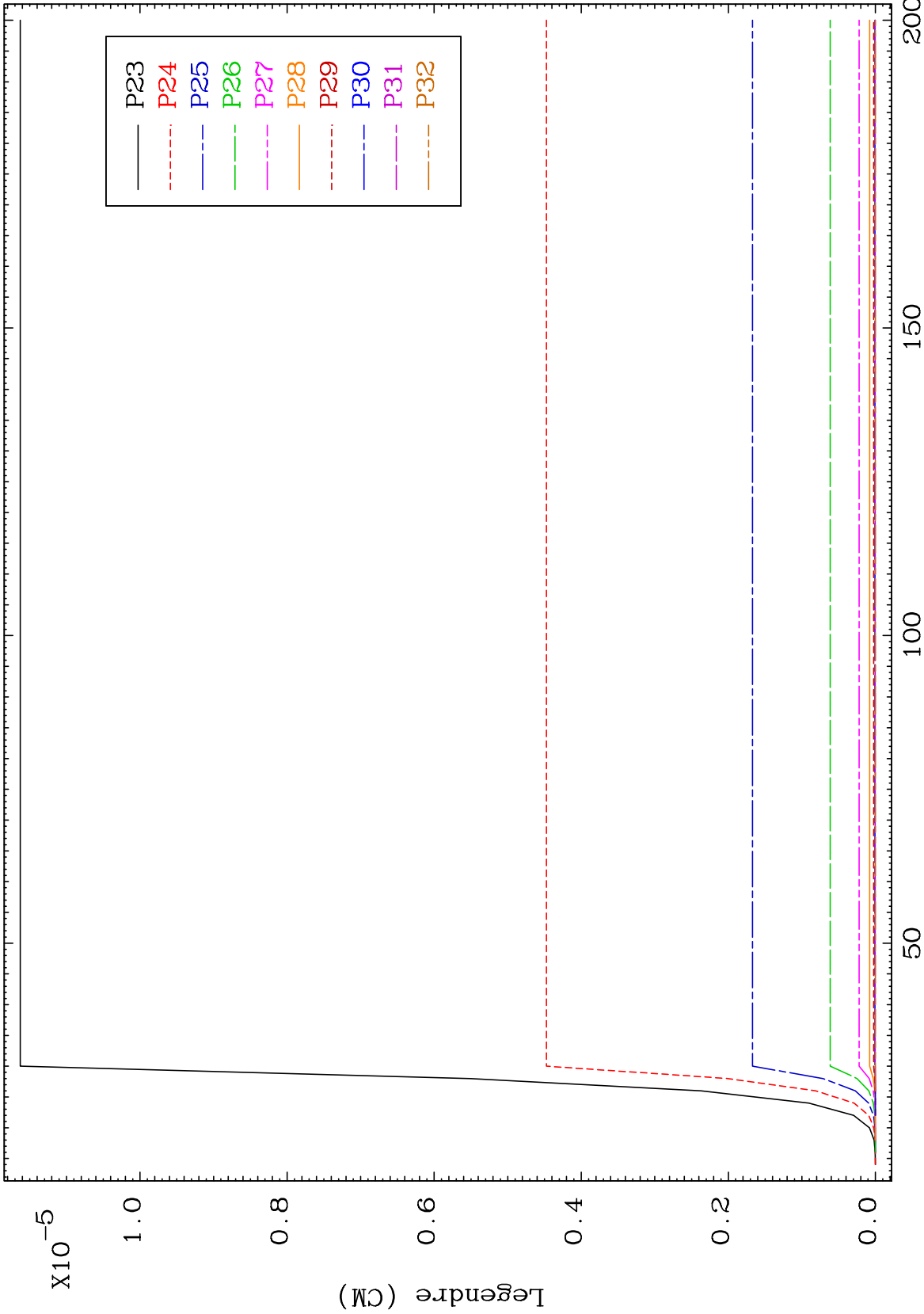
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77

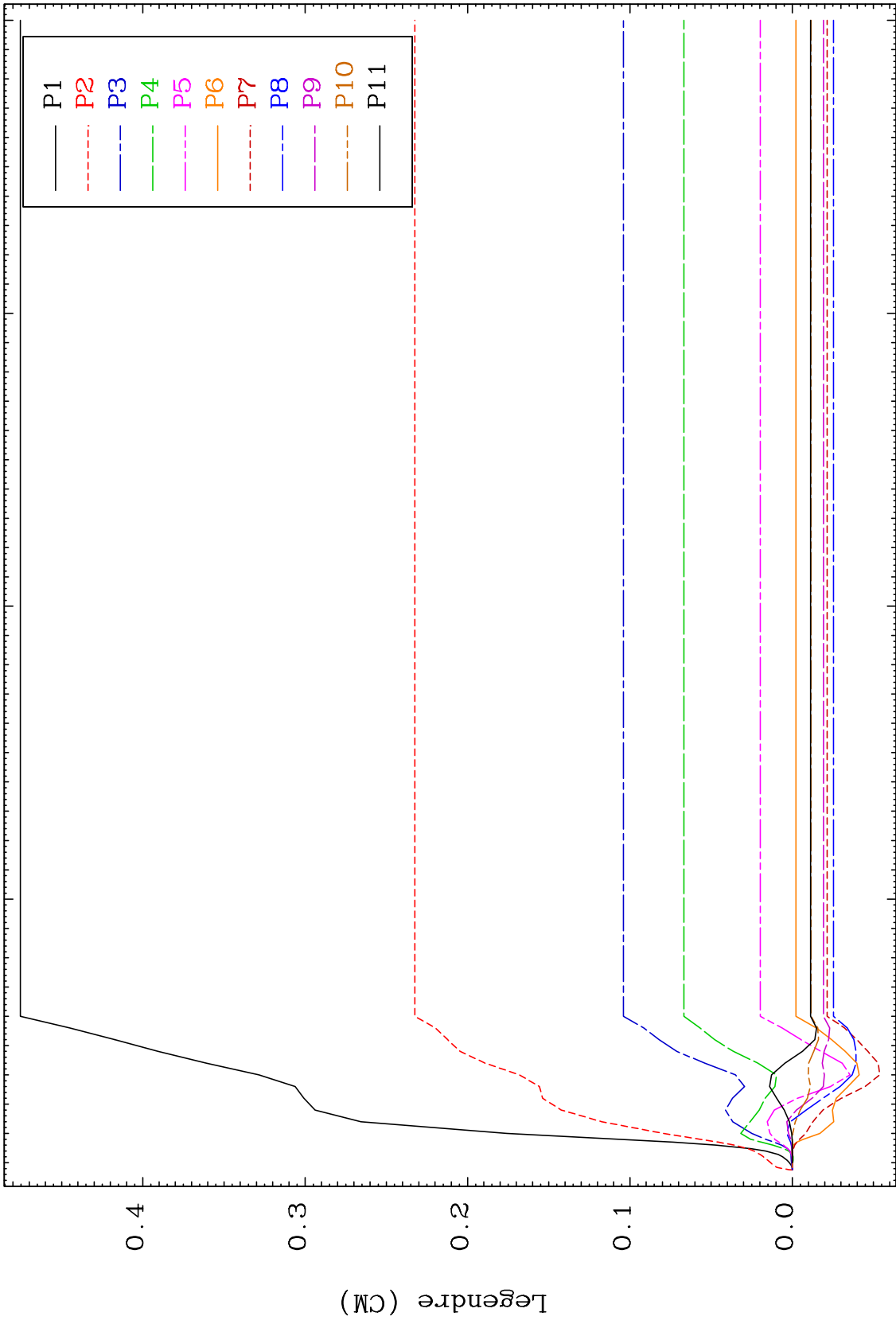


114

Incident Energy (MeV)

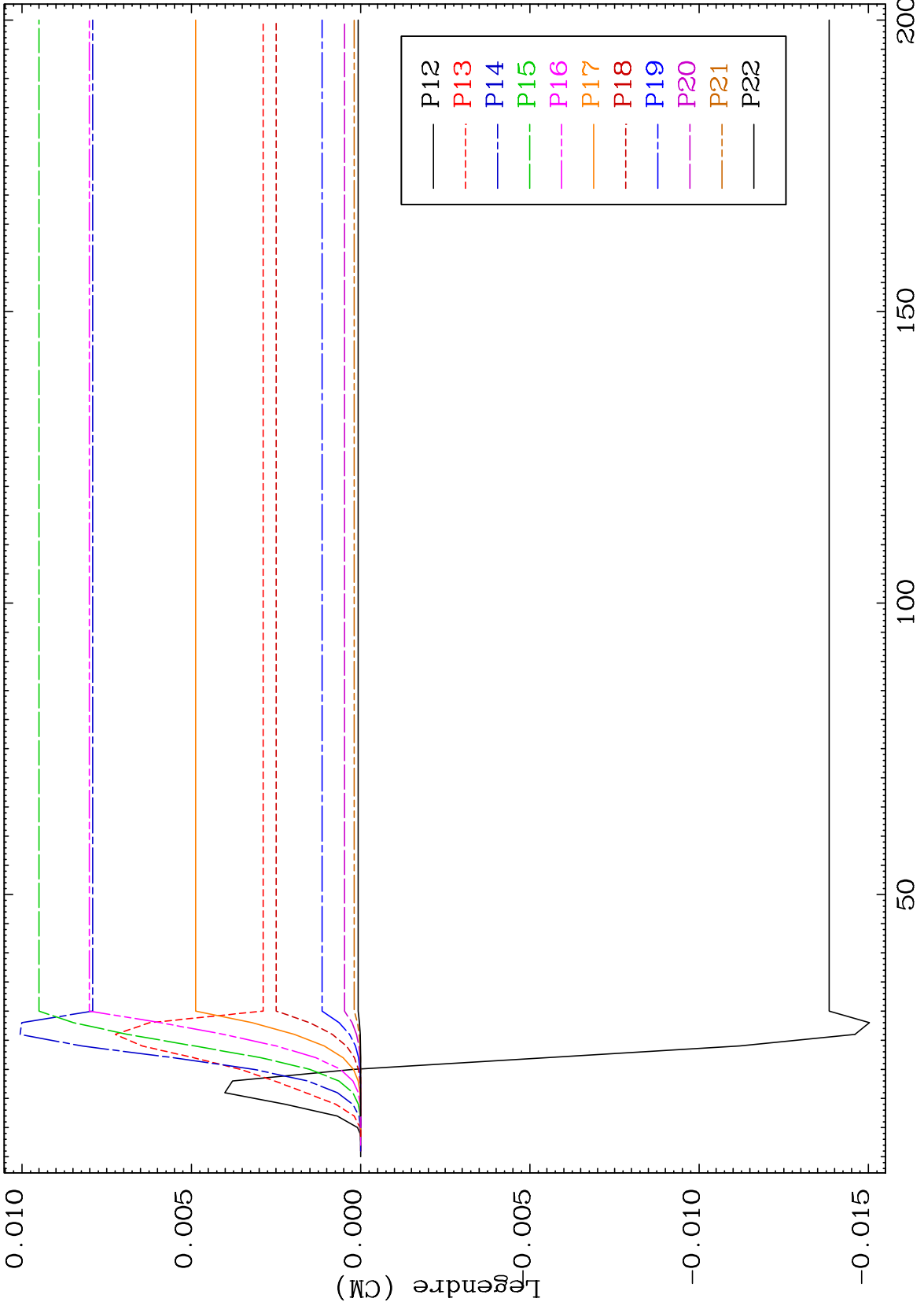
30-Zn-77

MAT 3064 MT= 80 (n,n') Level Legendre Coefficients 30-Zn-77



115 50 100 150 200 30-Zn-77

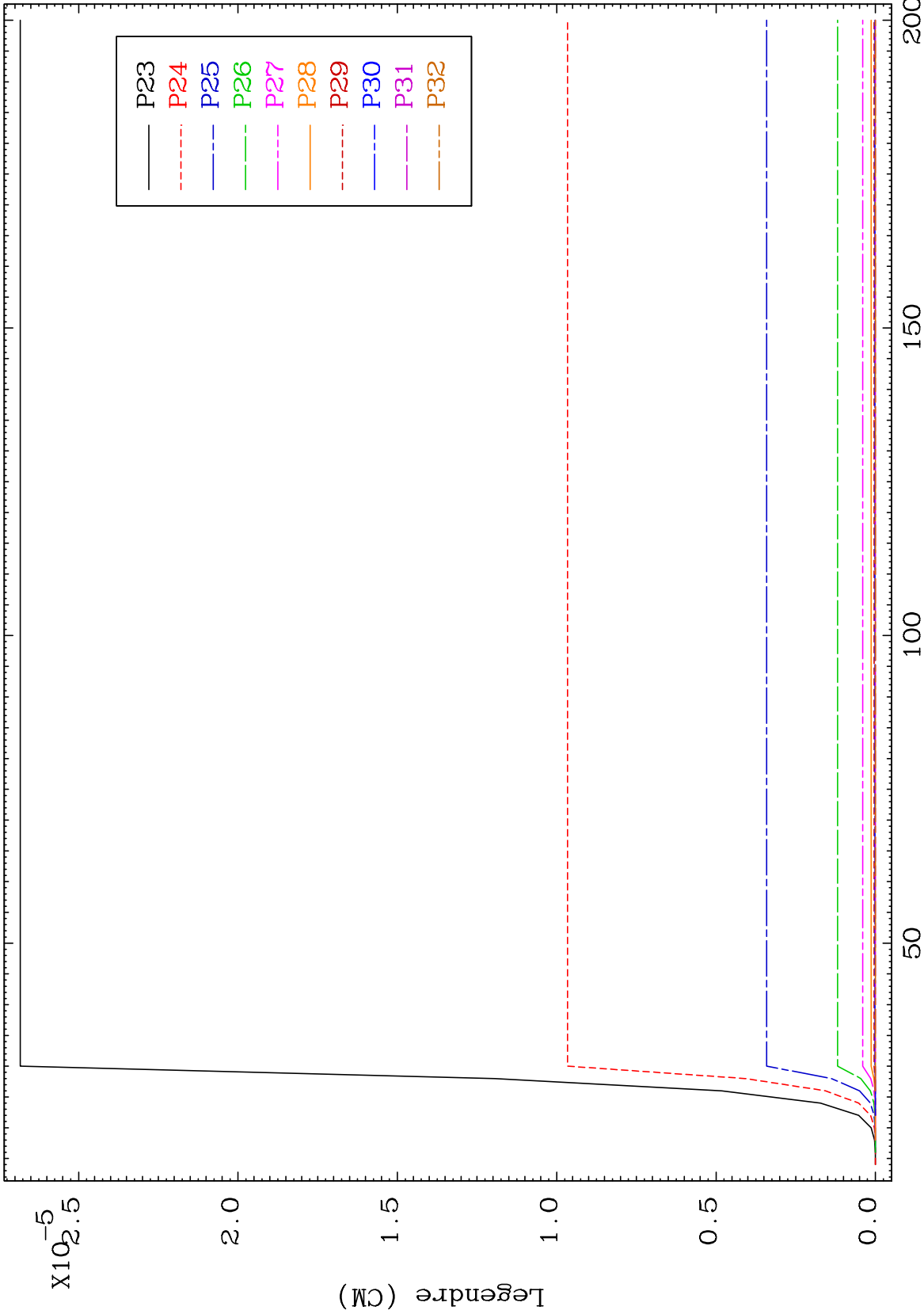
MAT 3064 MT= 80 (n,n') Level Legendre Coefficients 30-Zn-77



MAT 3064

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

30-Zn-77



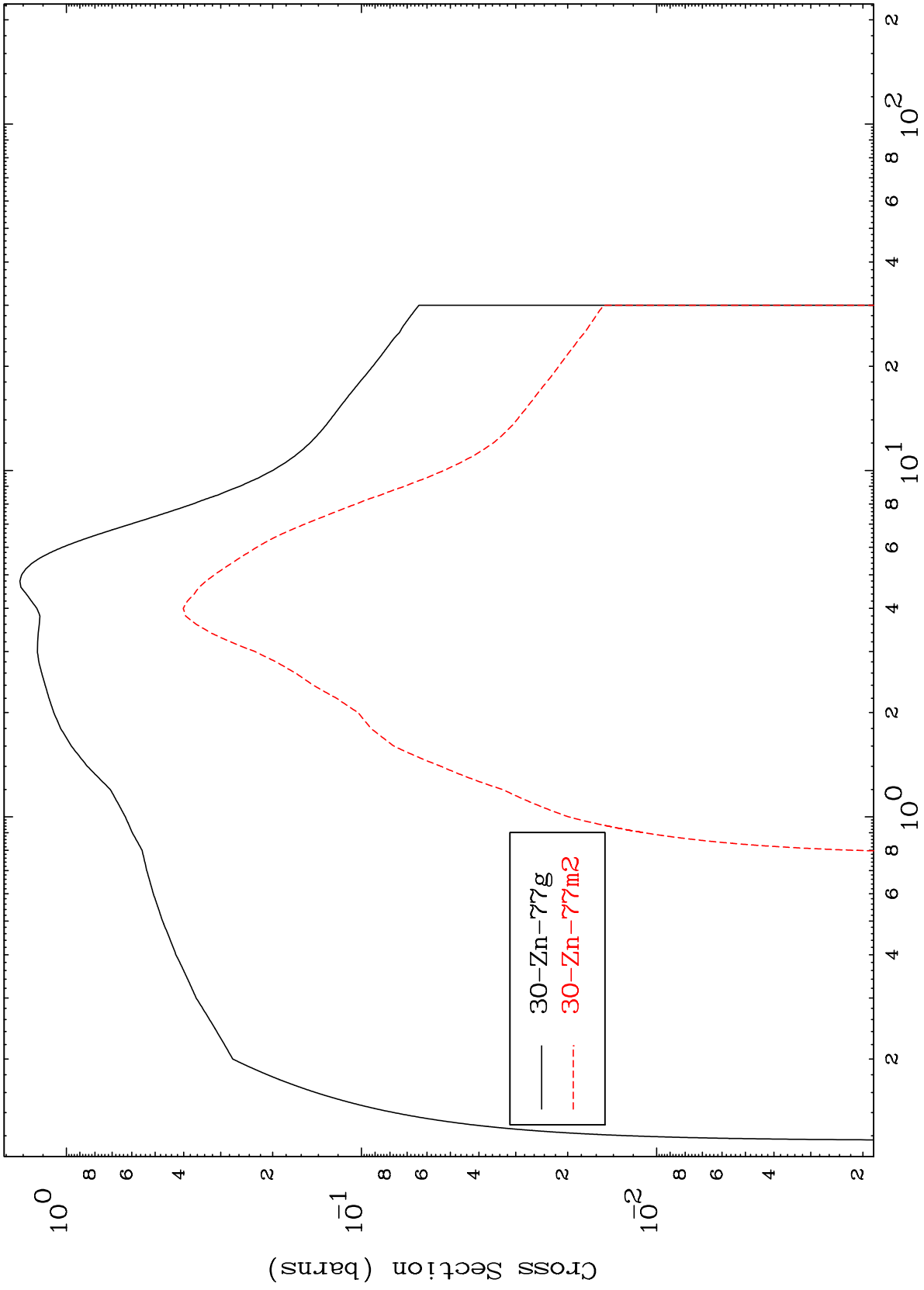
117

30-Zn-77

MAT 3064

30-Zn-77

Inelastic Radionuclide Production Cross Section



118

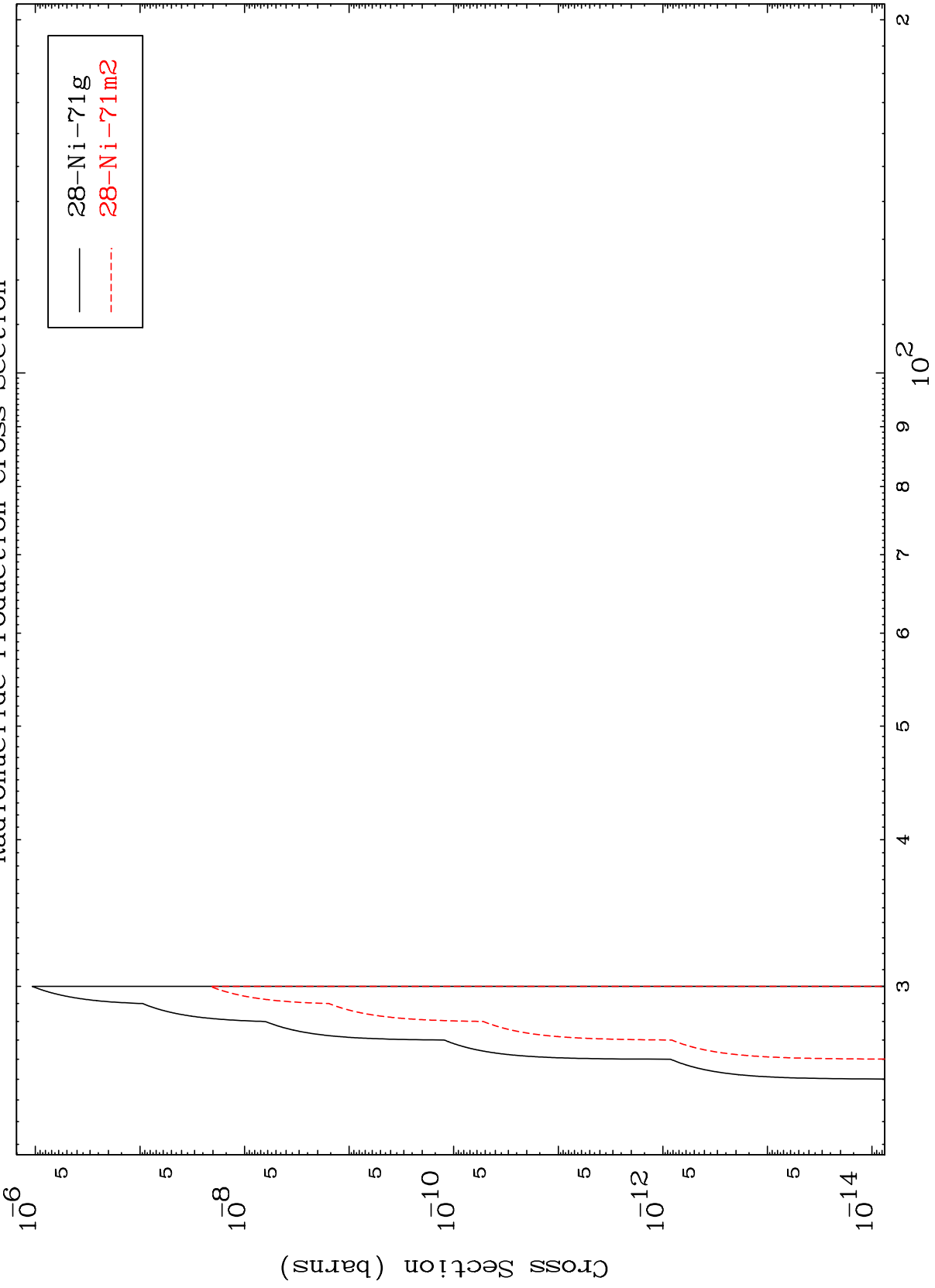
30-Zn-77

MAT 3064

(n,3n) α

30-Zn-77

Radionuclide Production Cross Section



119

Incident Energy (MeV)

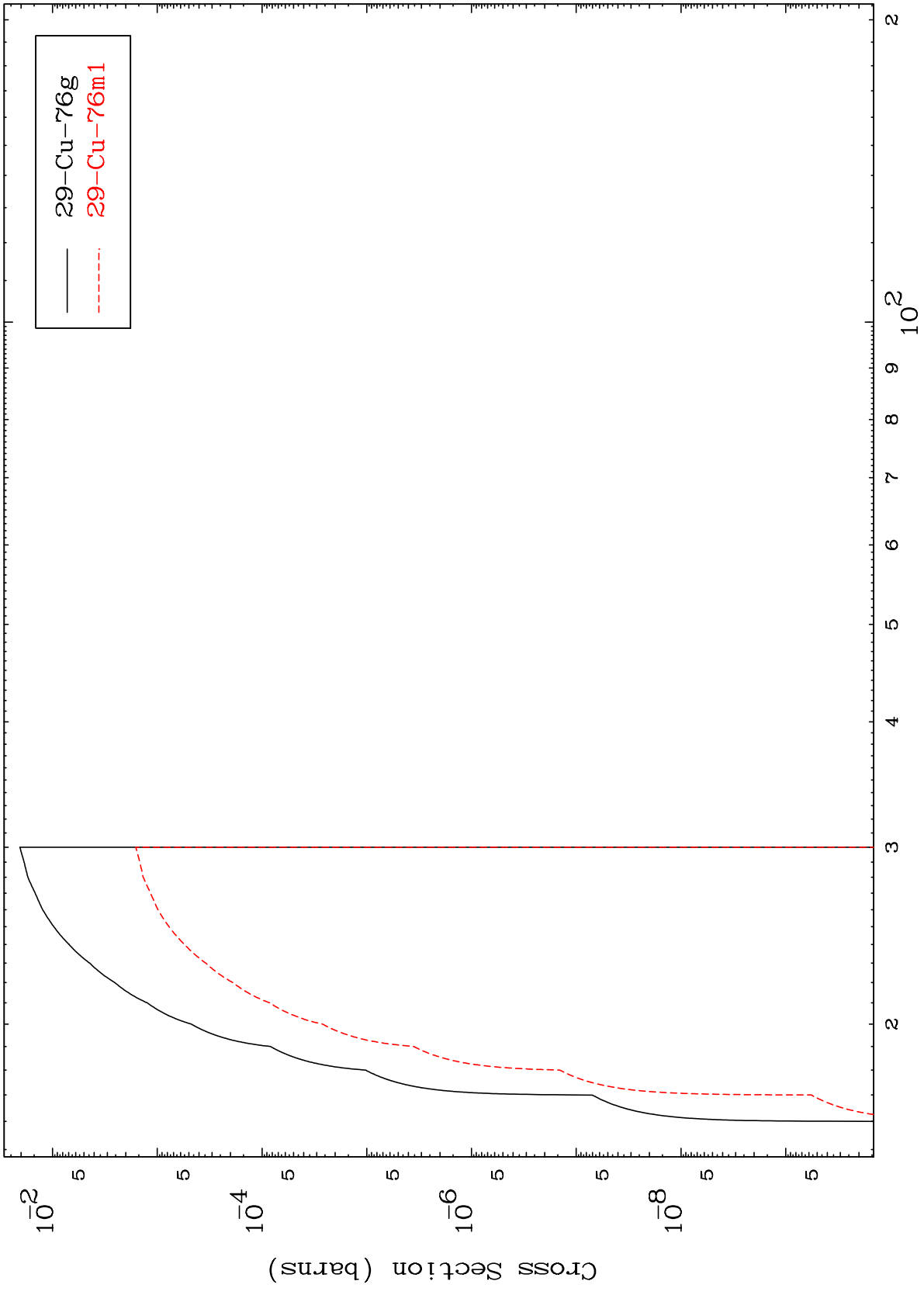
30-Zn-77

MAT 3064

(n,n') p

30-Zn-77

Radionuclide Production Cross Section



120

Incident Energy (MeV)

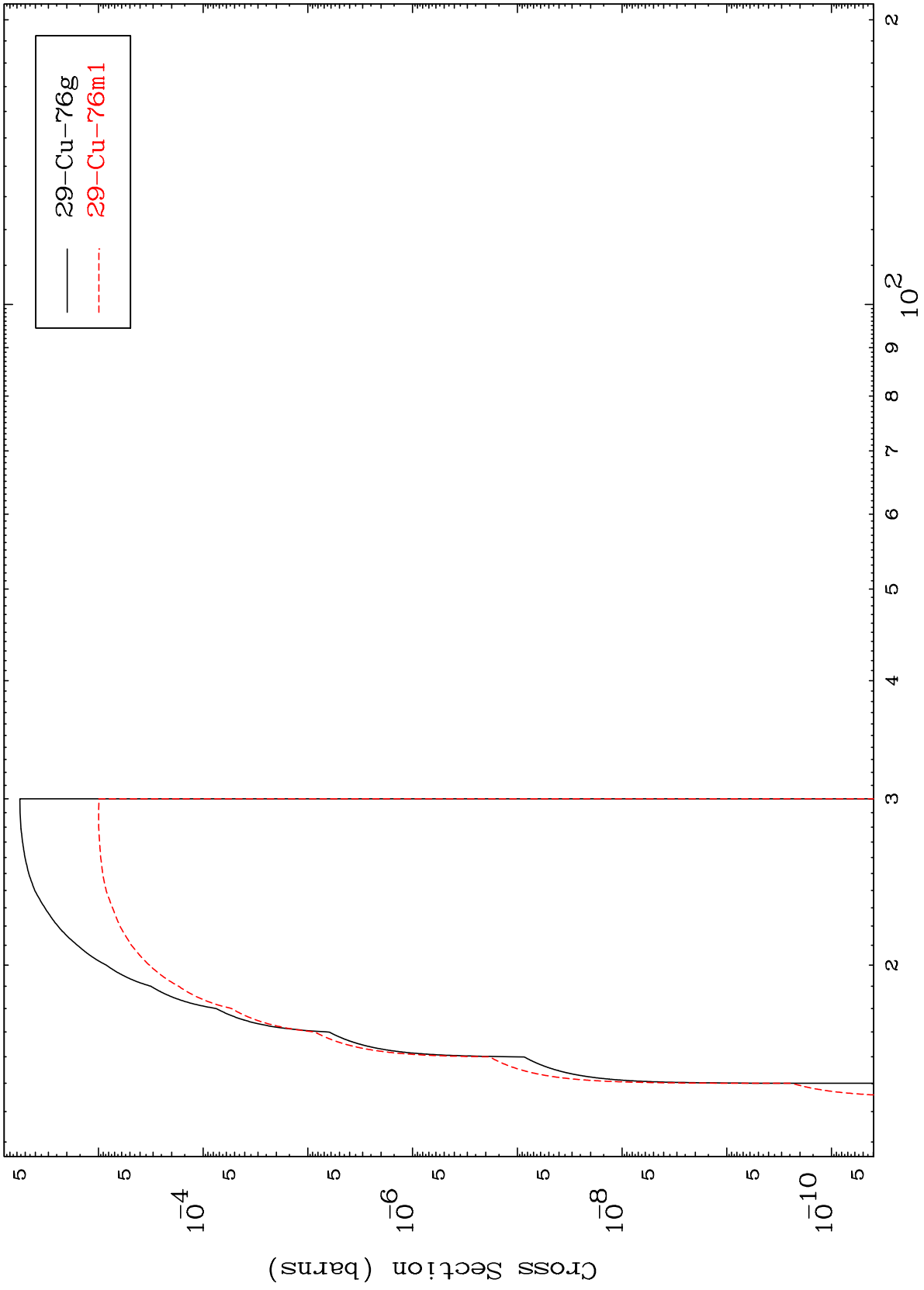
30-Zn-77

MAT 3064

(n,d)

³⁰Zn-77

Radionuclide Production Cross Section



121

Incident Energy (MeV)

³⁰Zn-77