

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

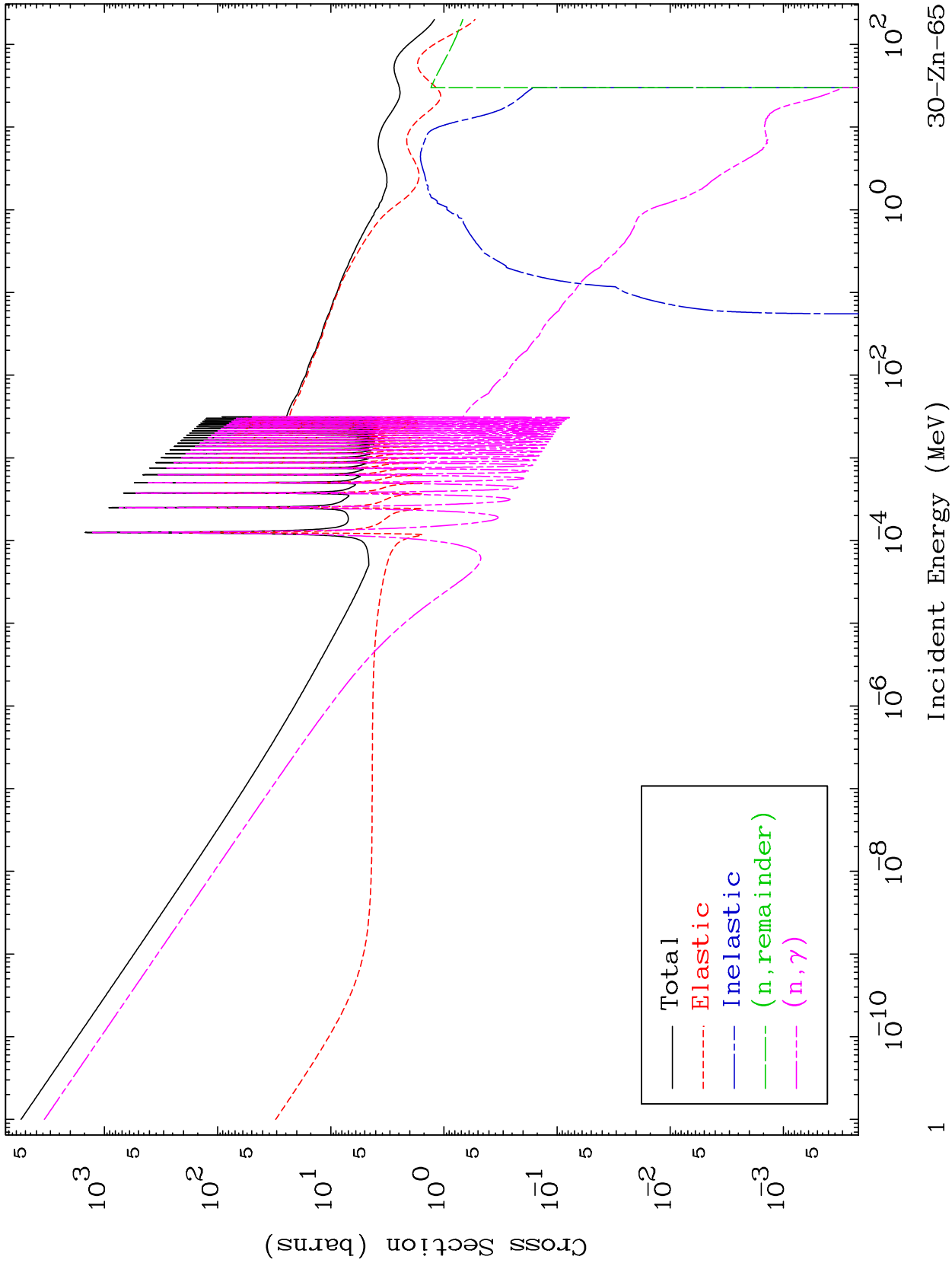
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

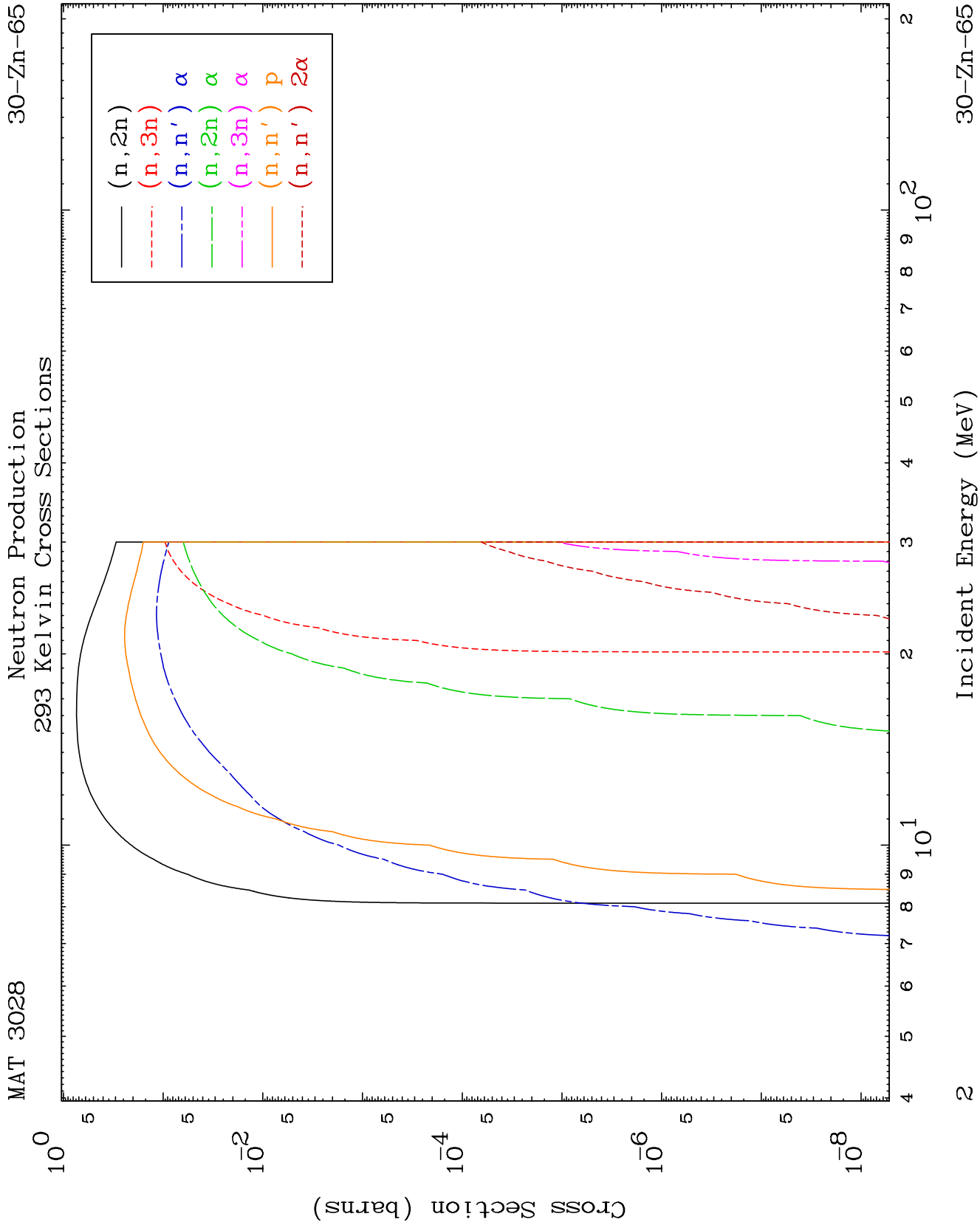
Press Mouse Button to Start

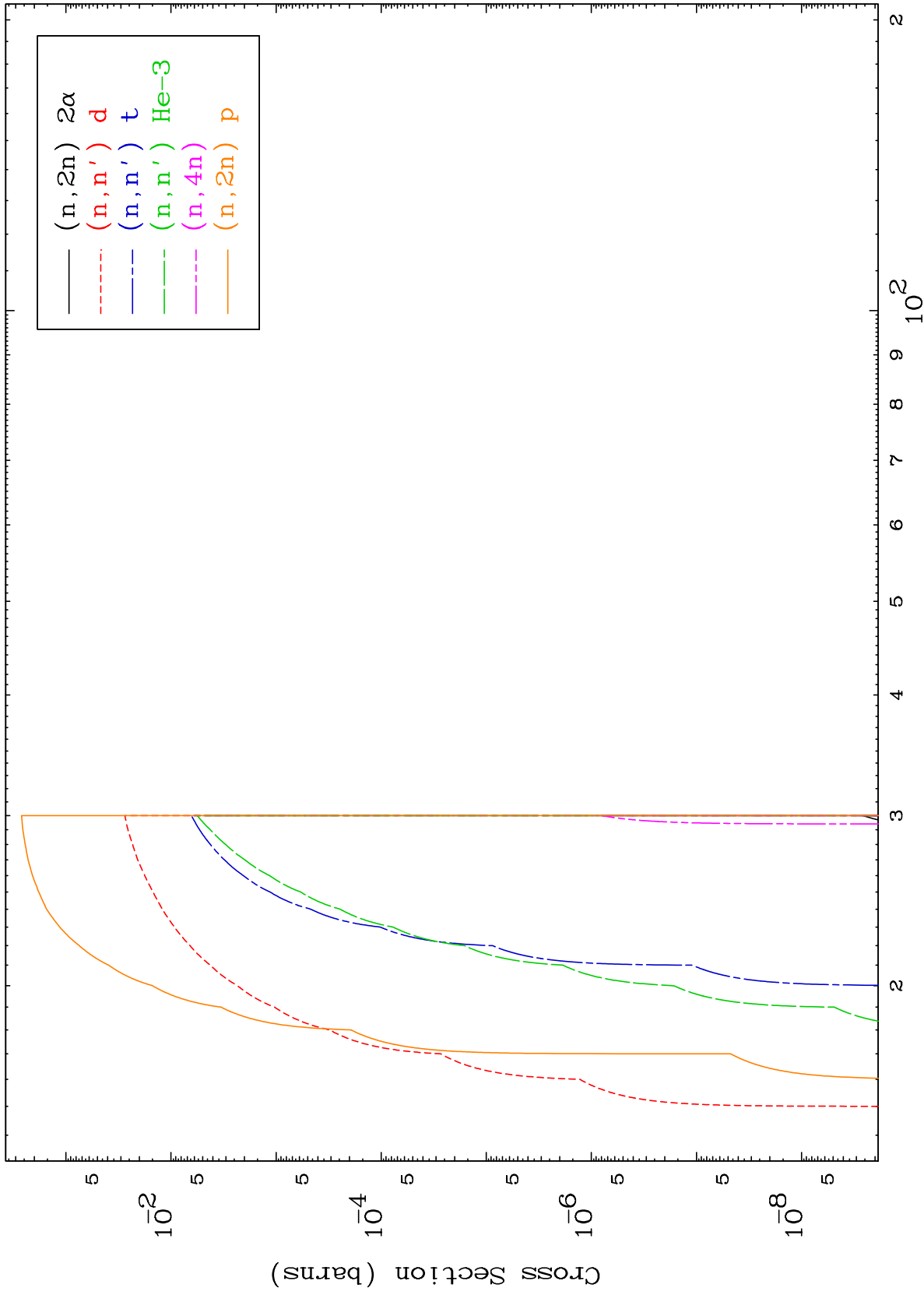
MAT 3028

Major  
293 Kelvin Cross Sections

30-Zn-65



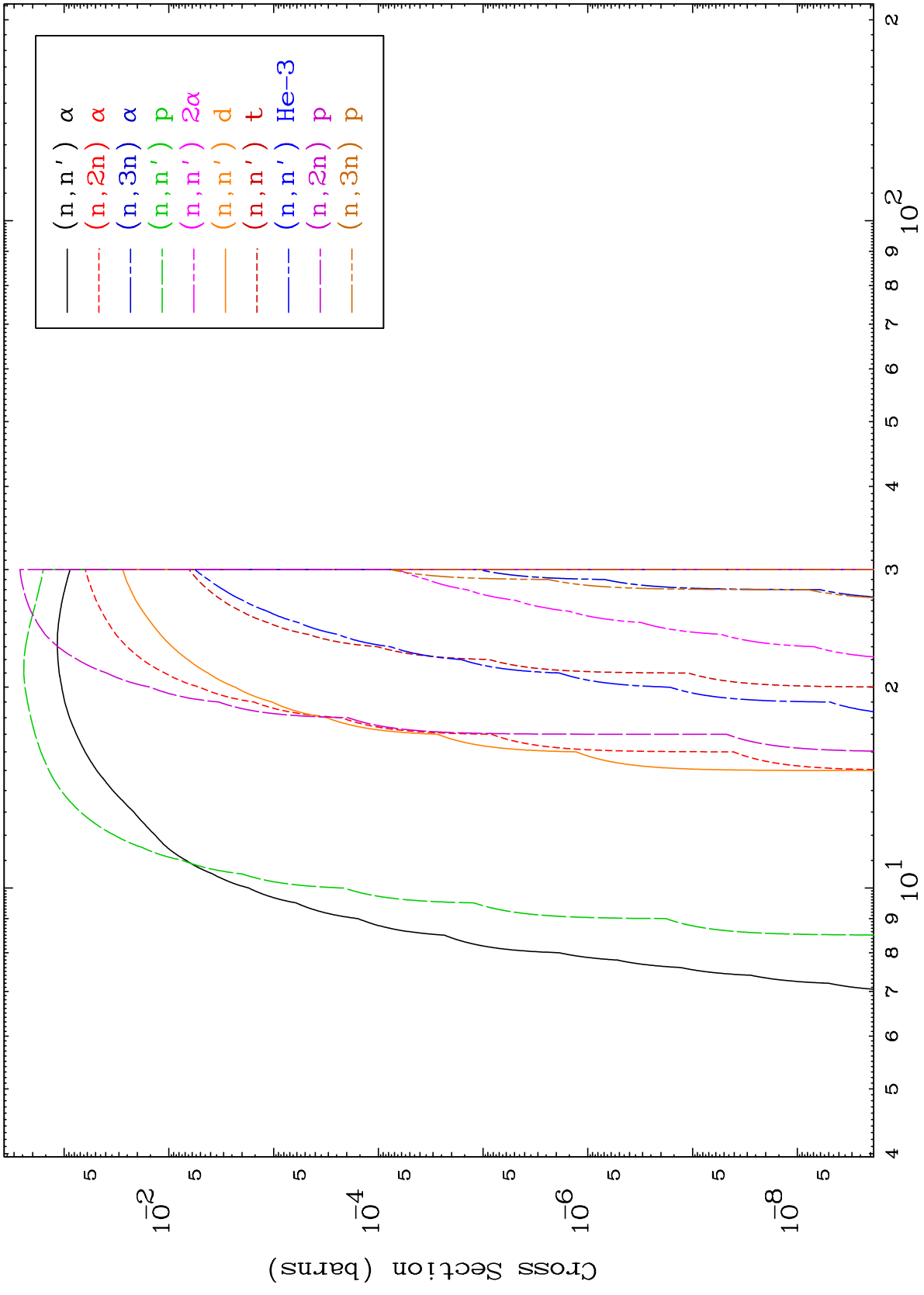




MAT 3028

Charged Particle  
293 Kelvin Cross Sections

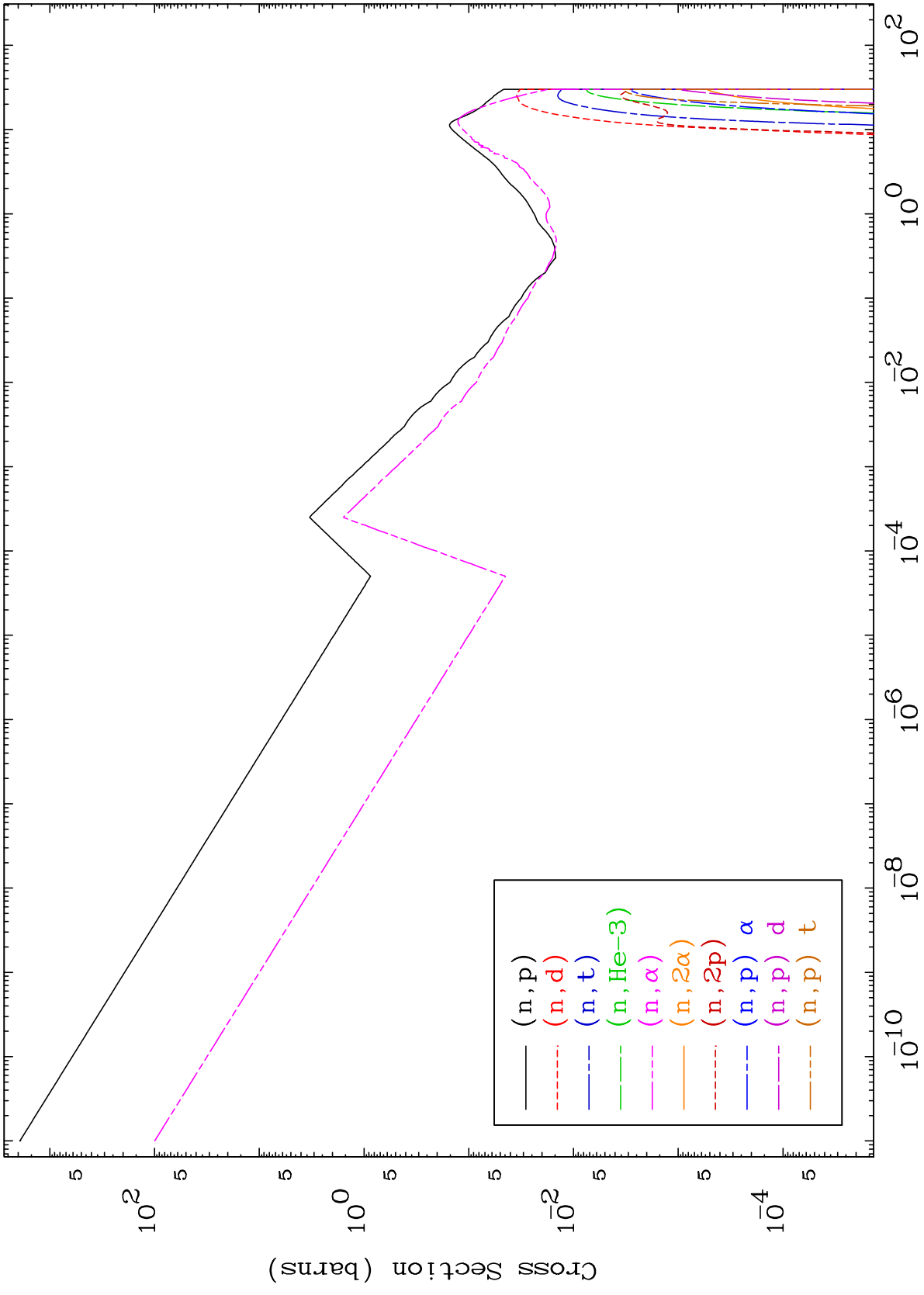
30-Zn-65



MAT 3028

293 Kelvin Cross Sections

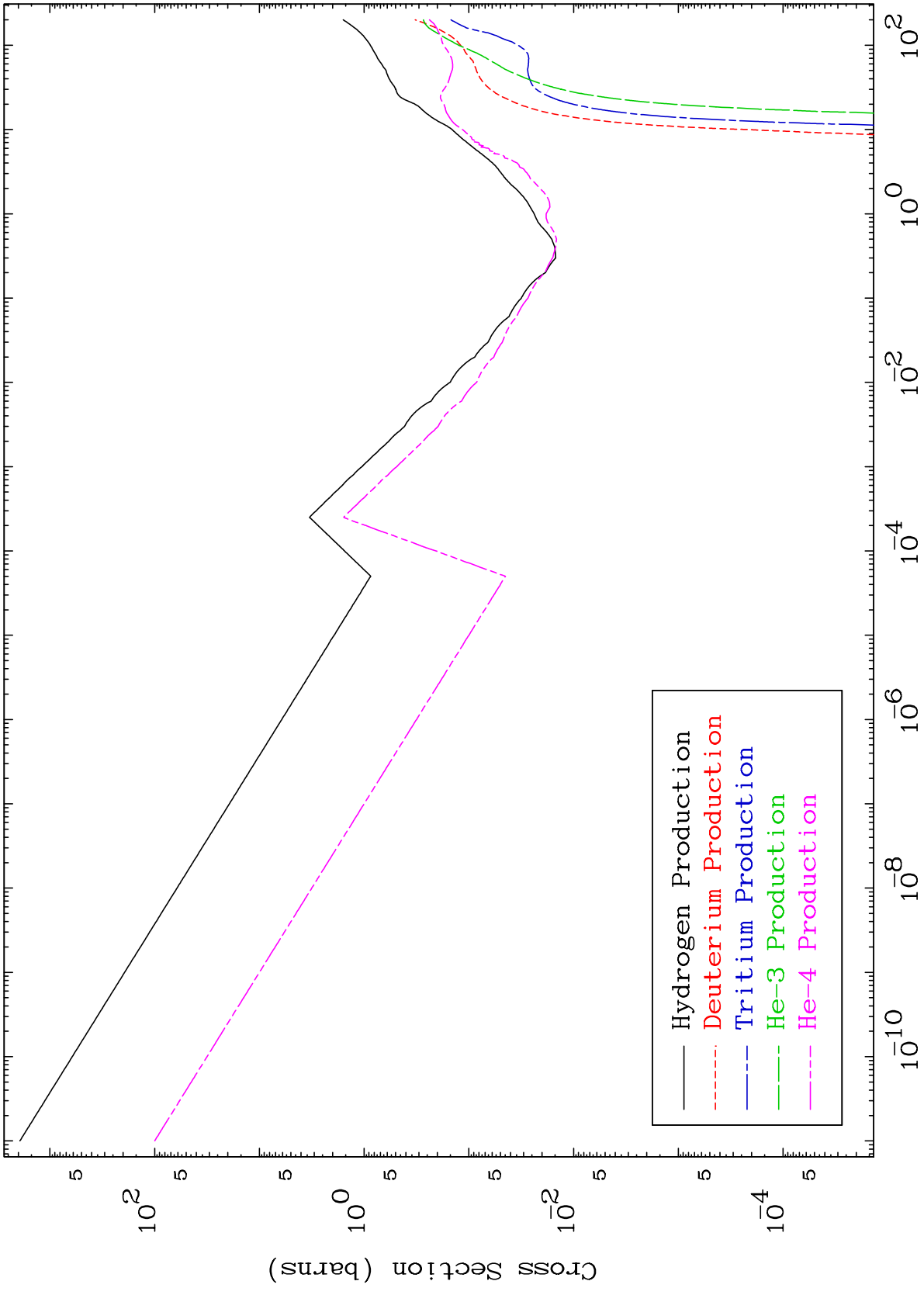
30-Zn-65

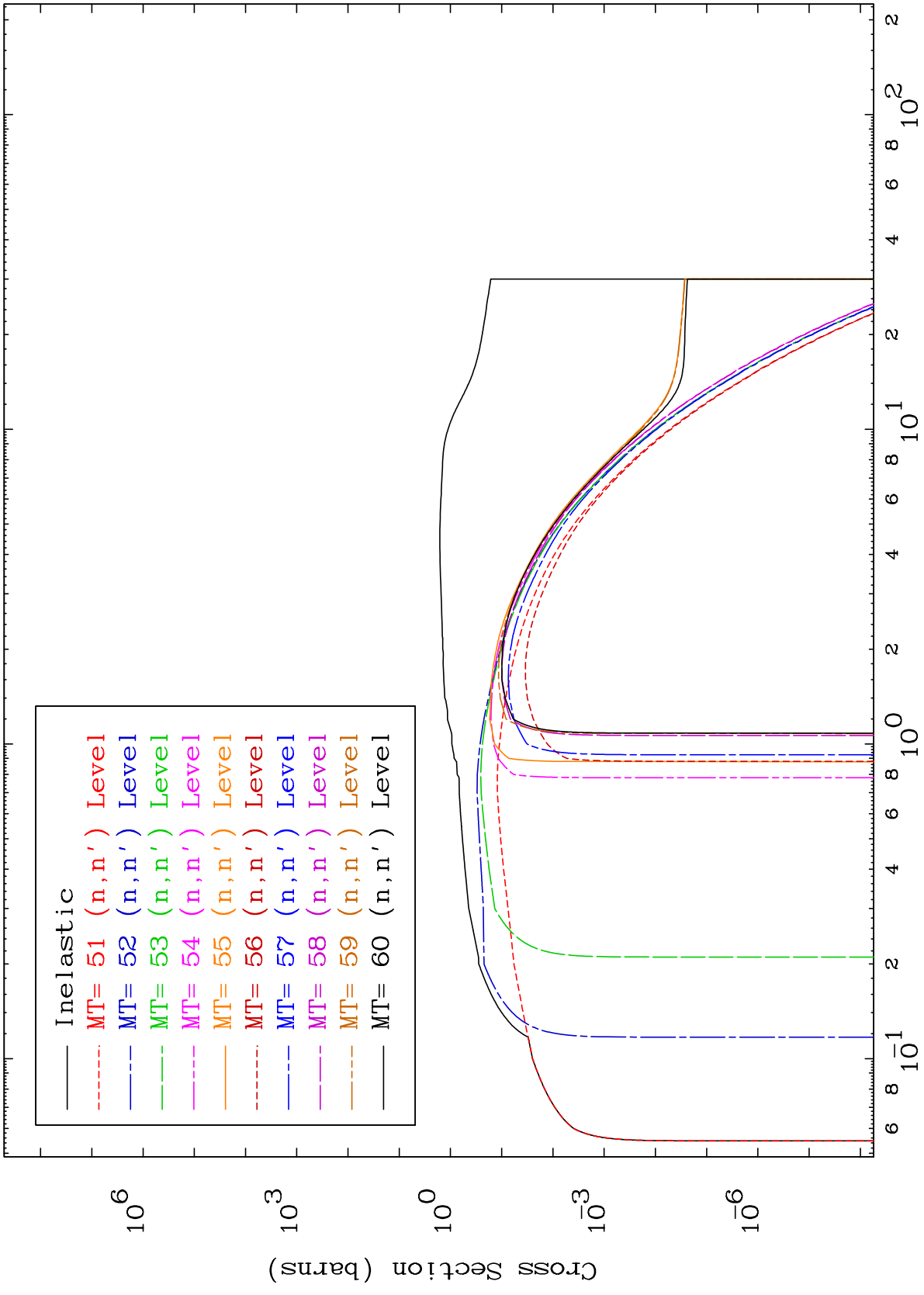


MAT 3028

Particle Production  
293 Kelvin Cross Sections

30-Zn-65



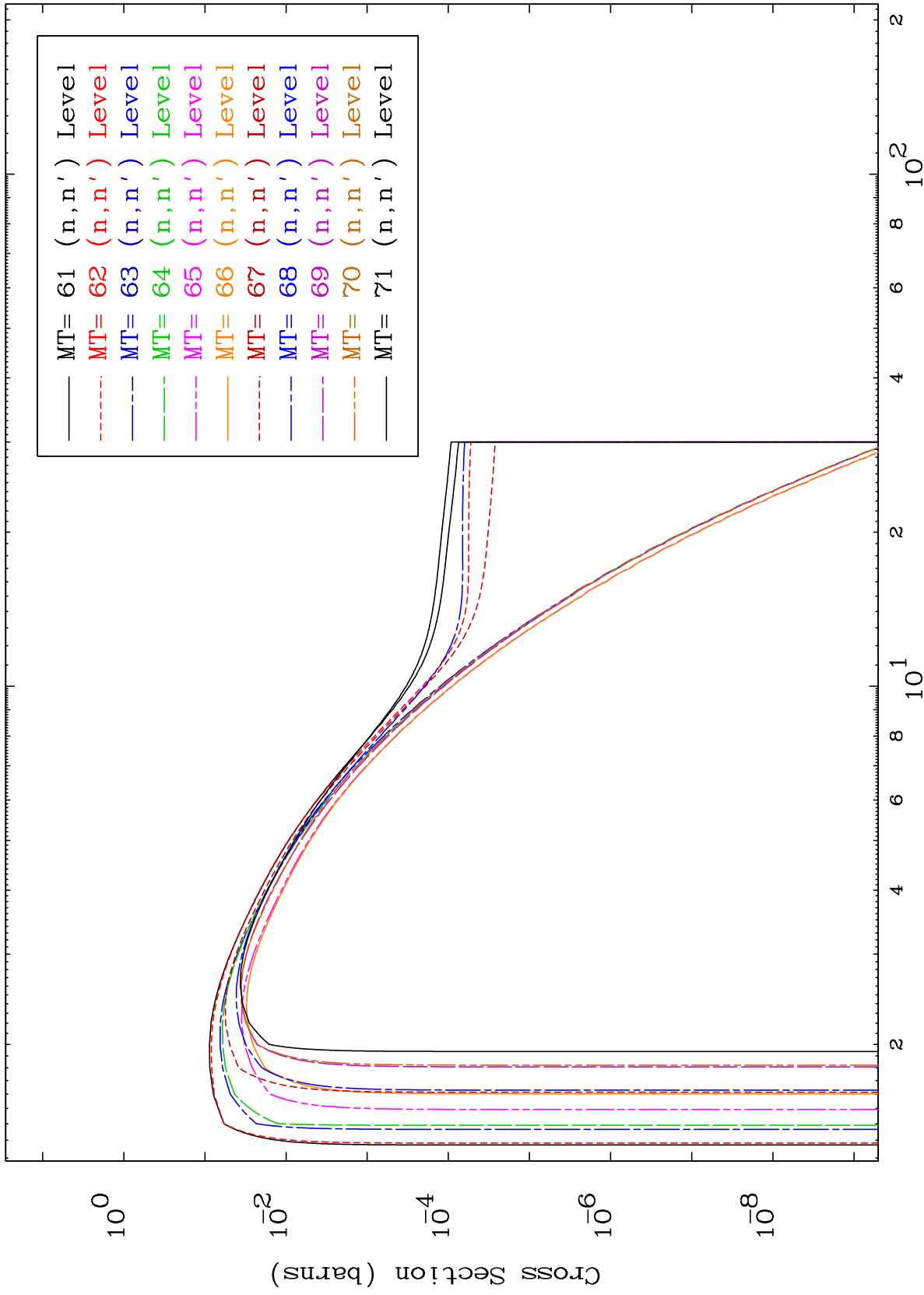


MAT 3028

(n,n') Level

30-Zn-65

293 Kelvin Cross Sections



8

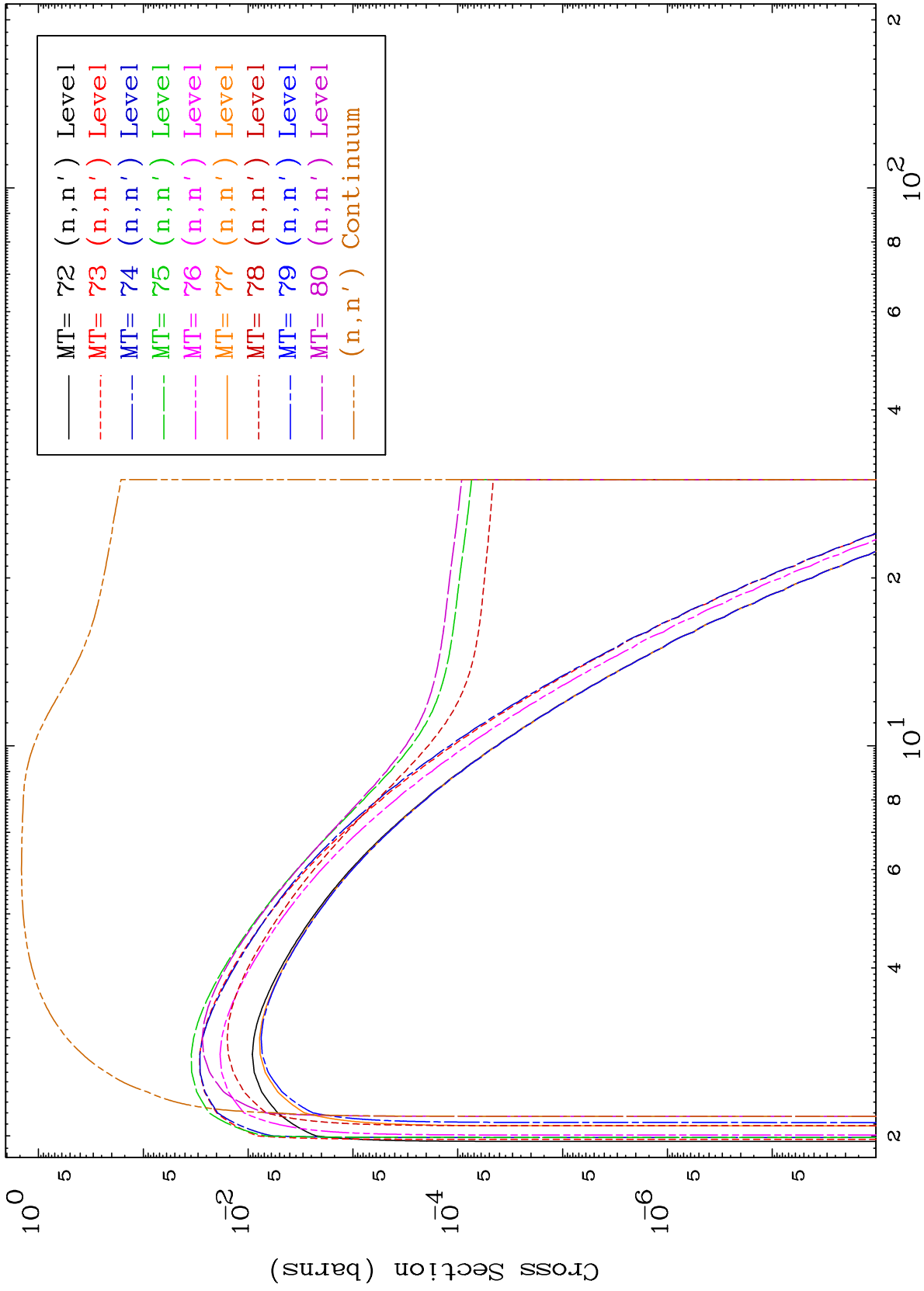
Incident Energy (MeV)

30-Zn-65

MAT 3028

(n,n') Level  
293 Kelvin Cross Sections

30-Zn-65



9

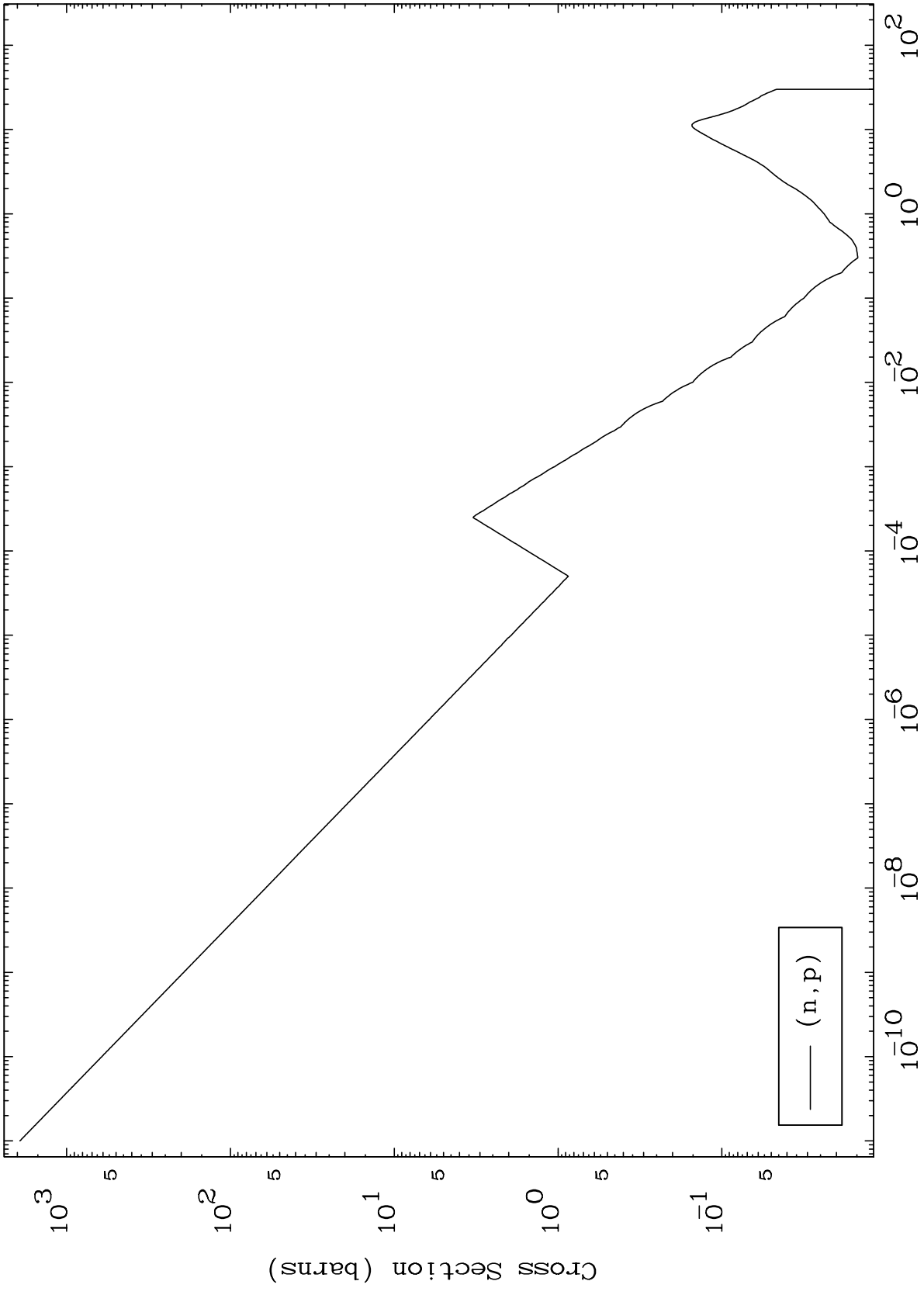
Incident Energy (MeV)

30-Zn-65

MAT 3028

(n,p) Levels  
293 Kelvin Cross Sections

30-Zn-65



10

Incident Energy (MeV)

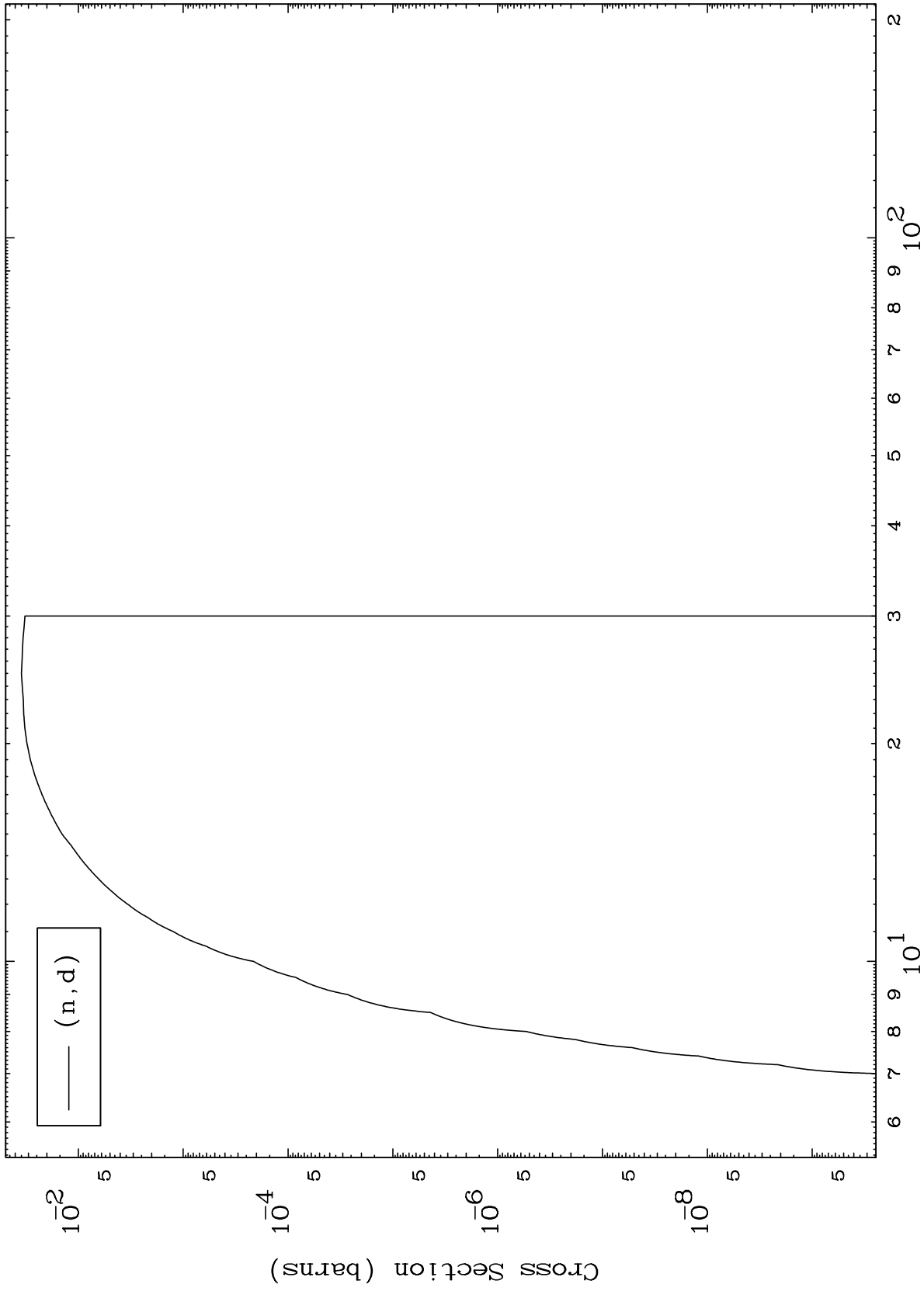
30-Zn-65

(n,p)

MAT 3028

(n,d) Levels  
293 Kelvin Cross Sections

30-Zn-65



11

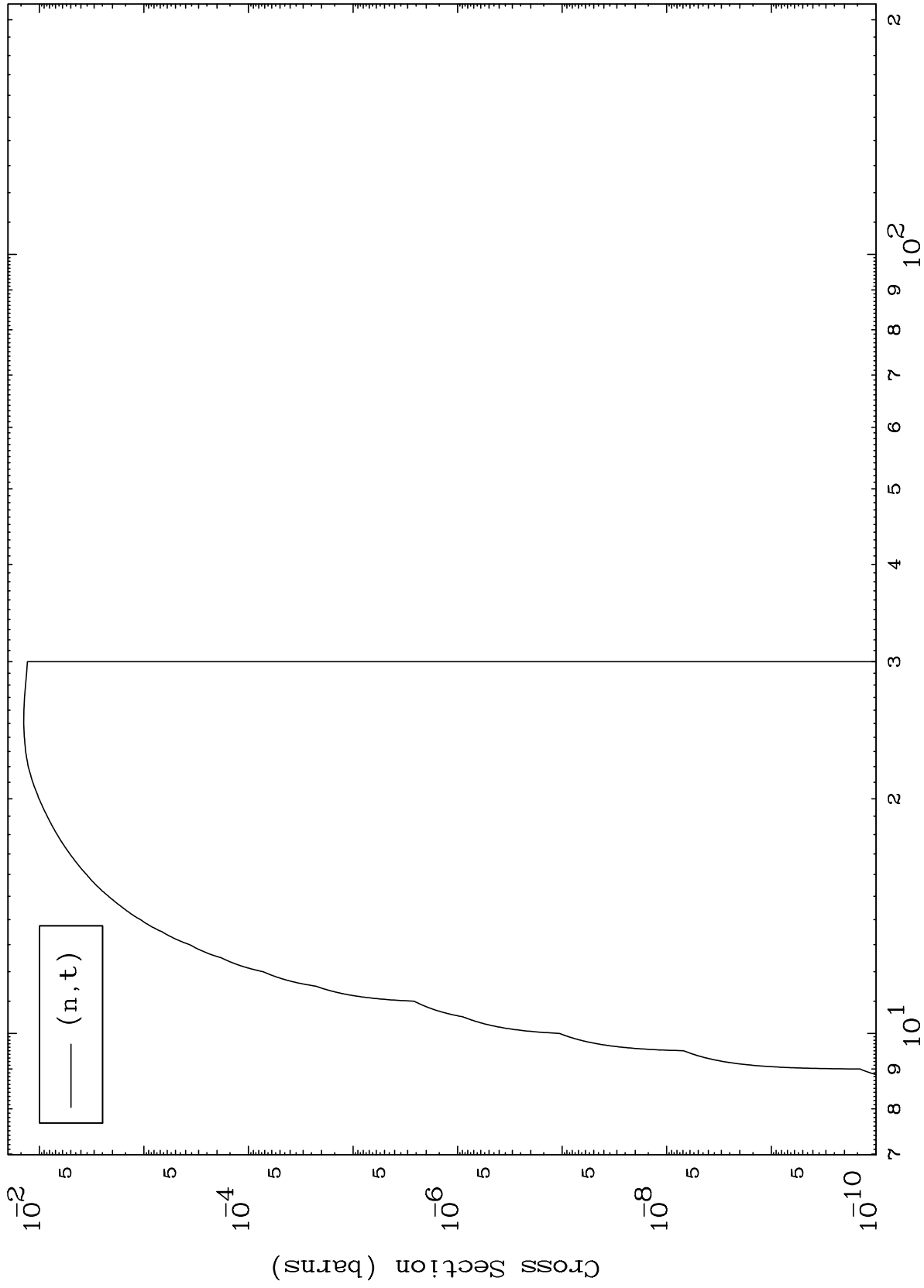
Incident Energy (MeV)

30-Zn-65

MAT 3028

(n,t) Levels  
293 Kelvin Cross Sections

30-Zn-65



12

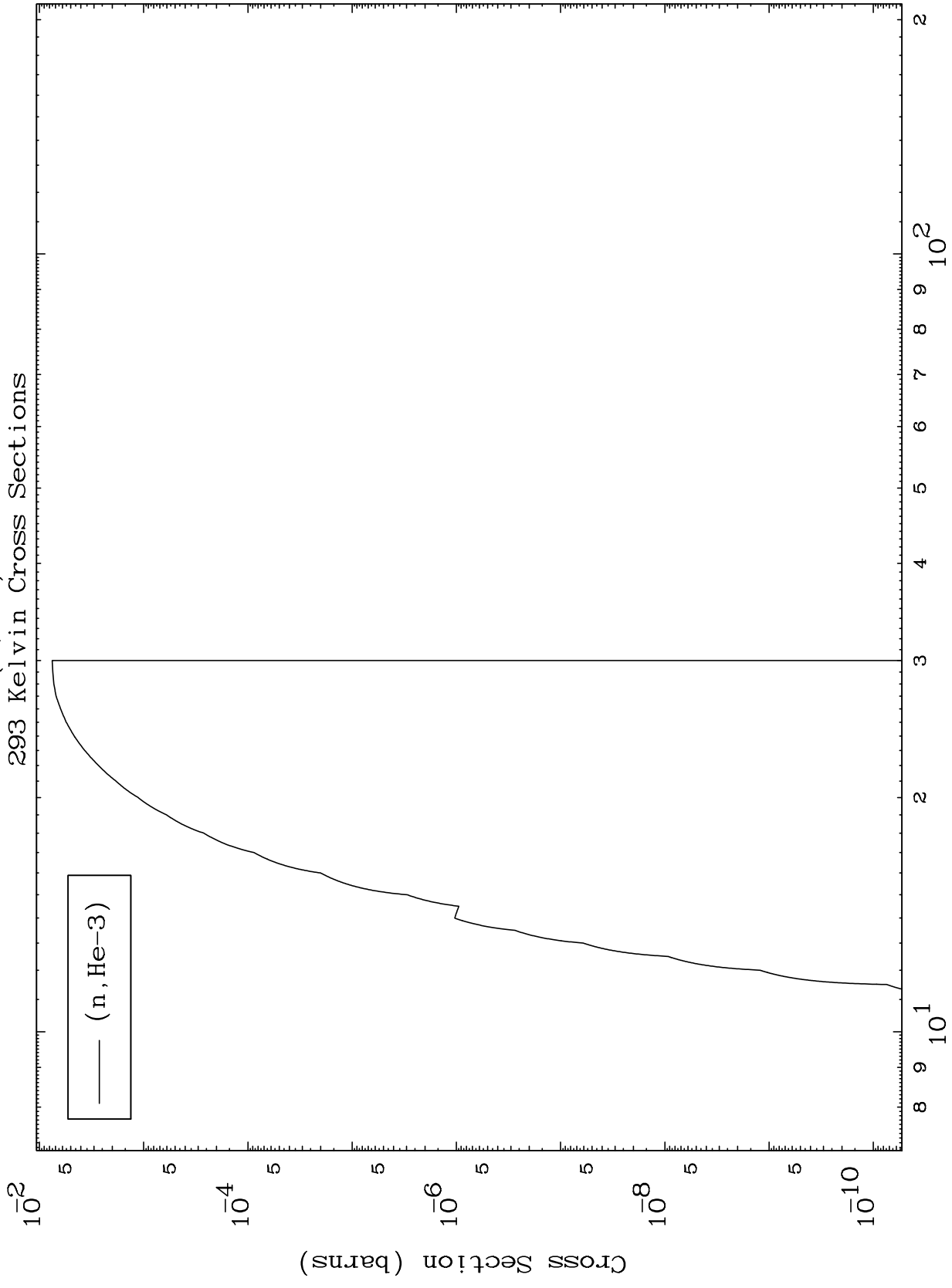
Incident Energy (MeV)

30-Zn-65

MAT 3028

(n,He3) Levels  
293 Kelvin Cross Sections

30-Zn-65



13

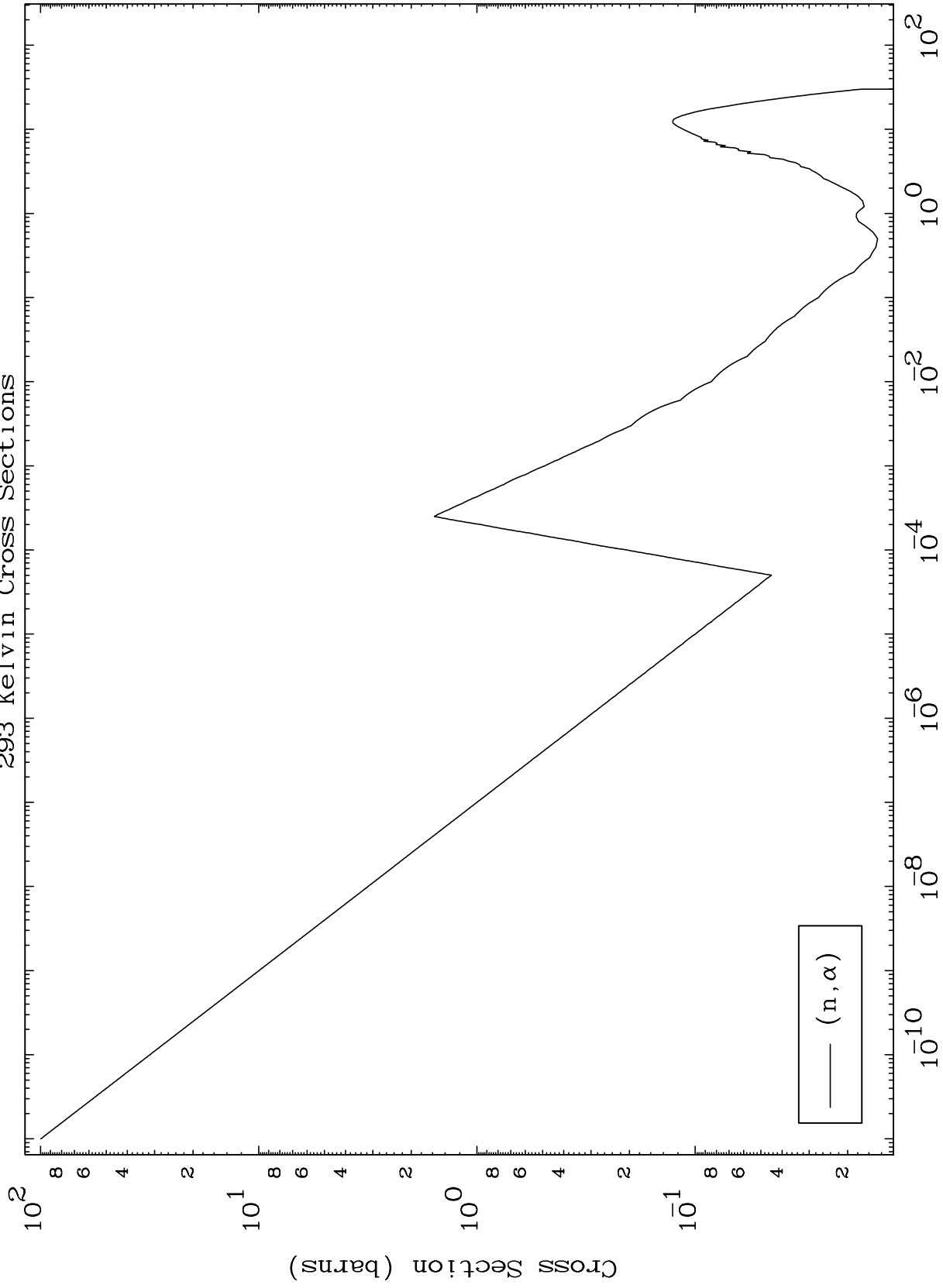
Incident Energy (MeV)

30-Zn-65

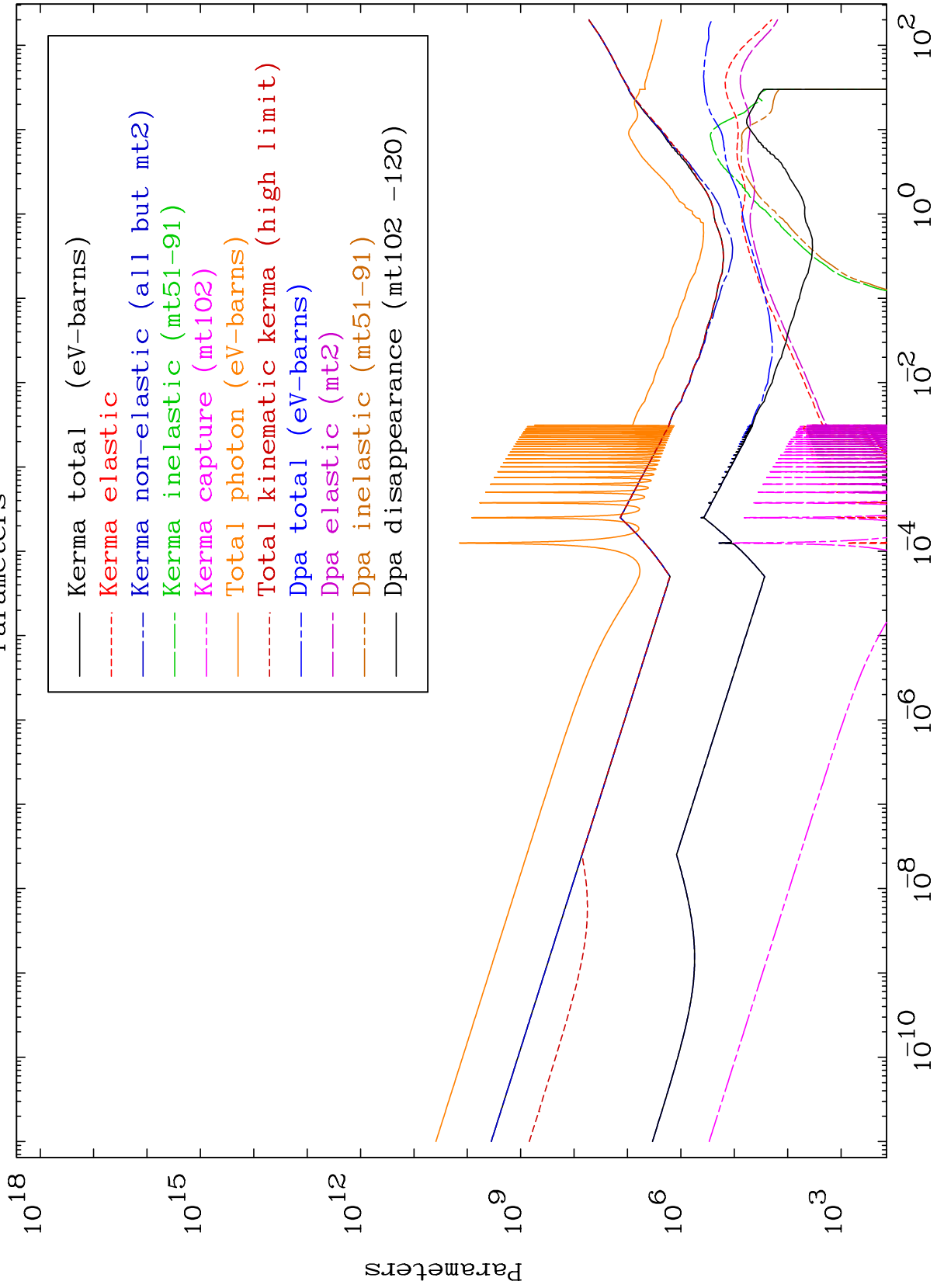
MAT 3028

293 Kelvin Cross Sections

30-Zn-65



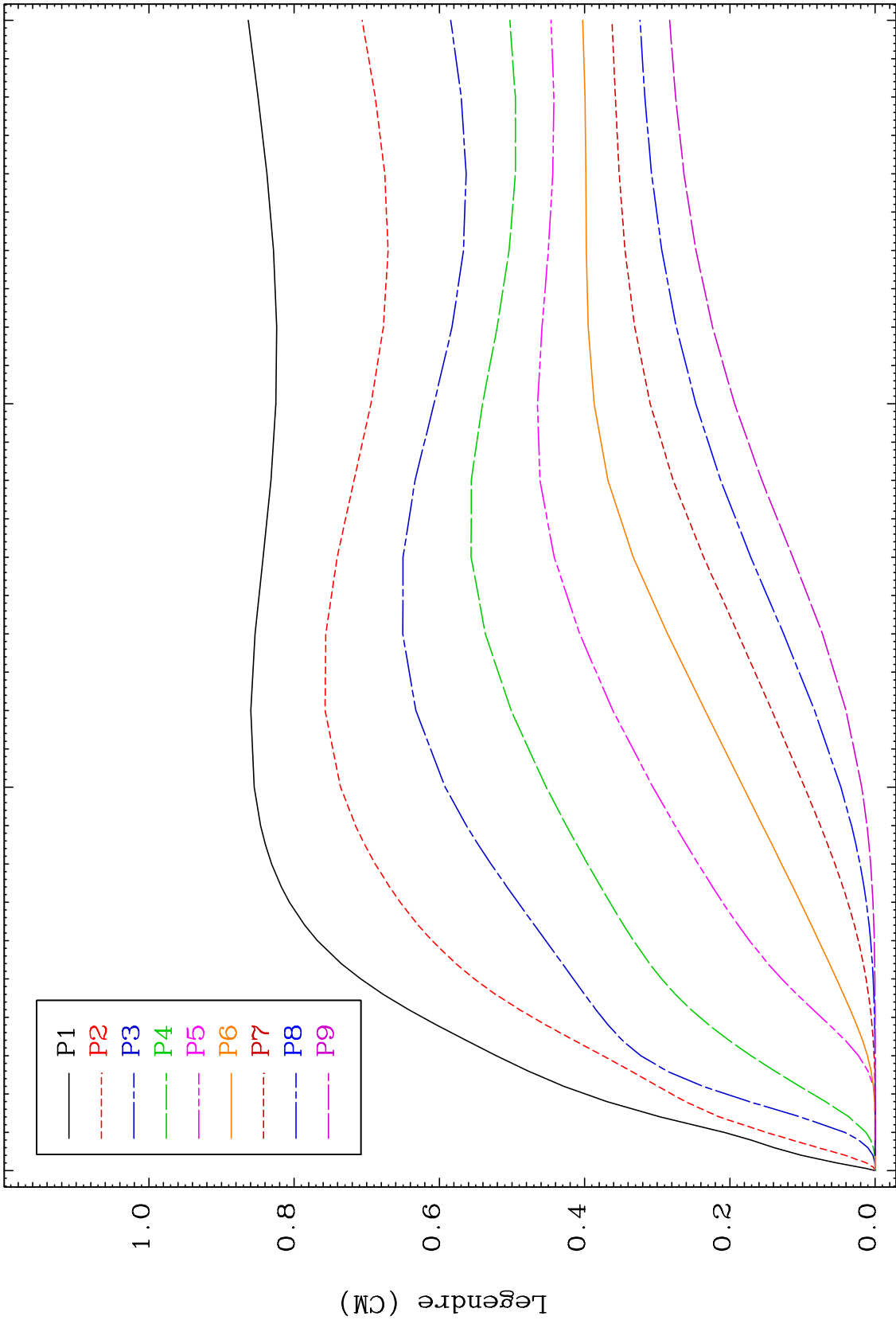
(n, alpha)



MAT 3028

Elastic Legendre Coefficients

30-Zn-65



16

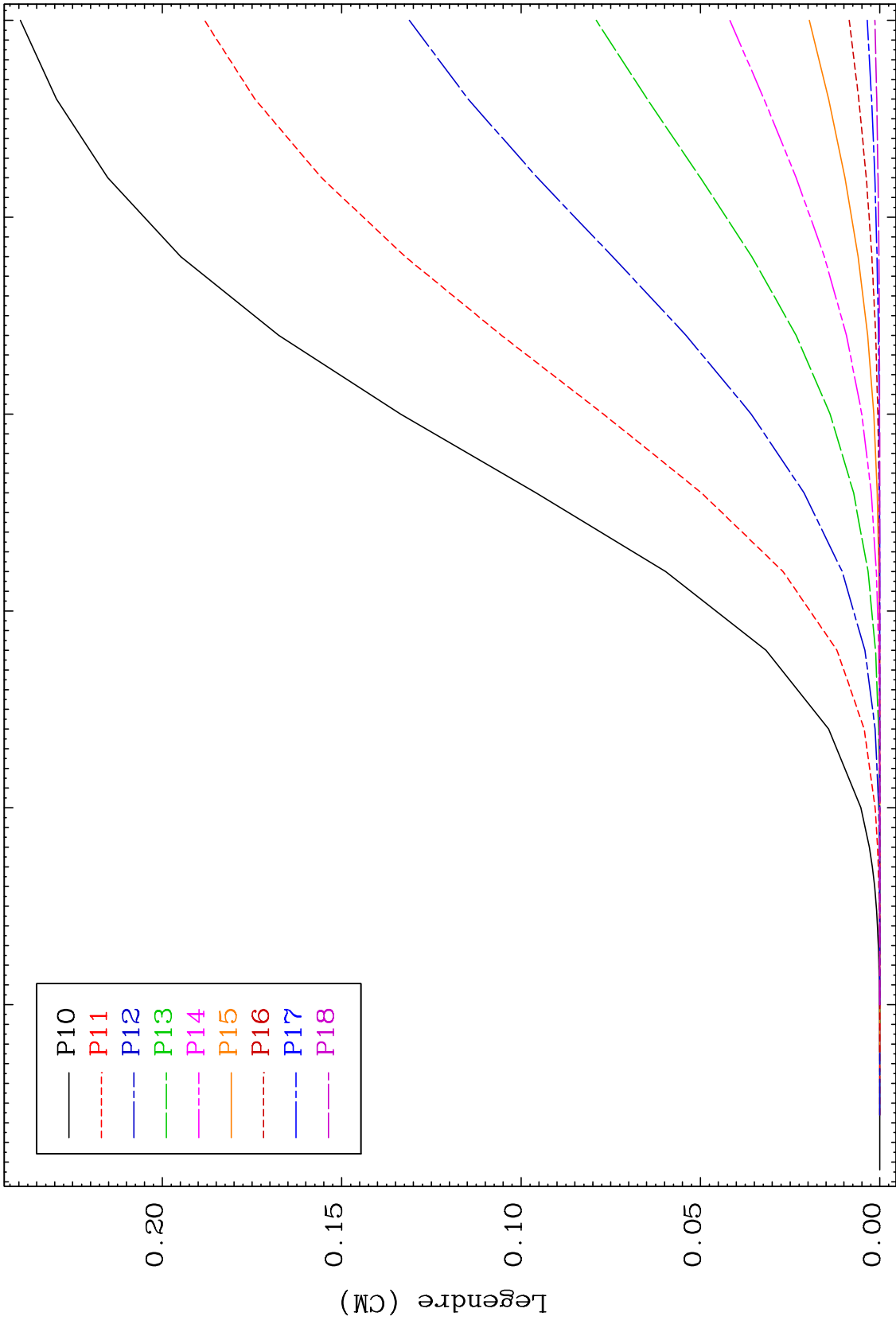
Incident Energy (MeV)

30-Zn-65

MAT 3028

Elastic Legendre Coefficients

30-Zn-65



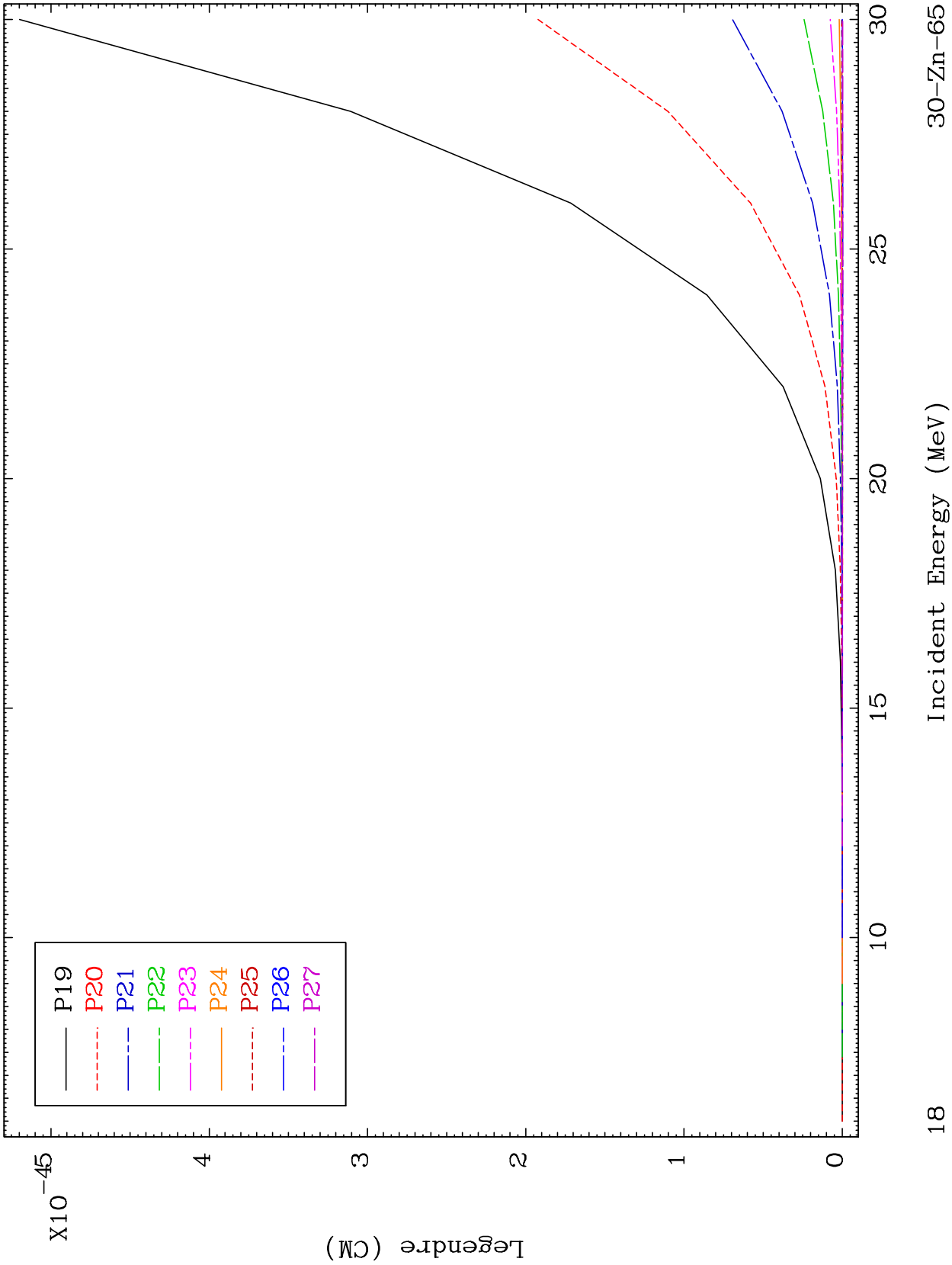
17

30-Zn-65

MAT 3028

### Elastic Legendre Coefficients

30-Zn-65



18

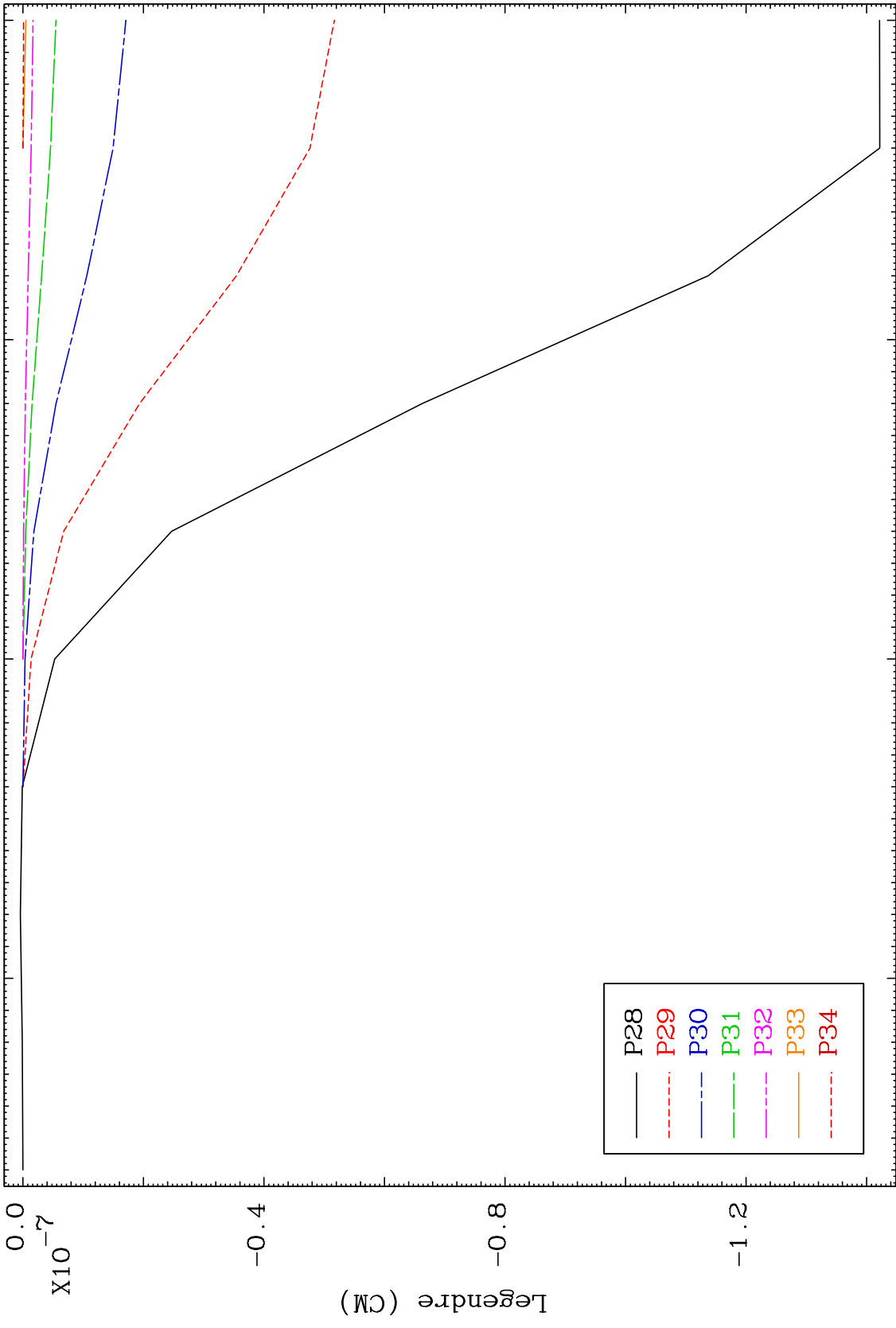
Incident Energy (MeV)

30-Zn-65

MAT 3028

Elastic Legendre Coefficients

30-Zn-65

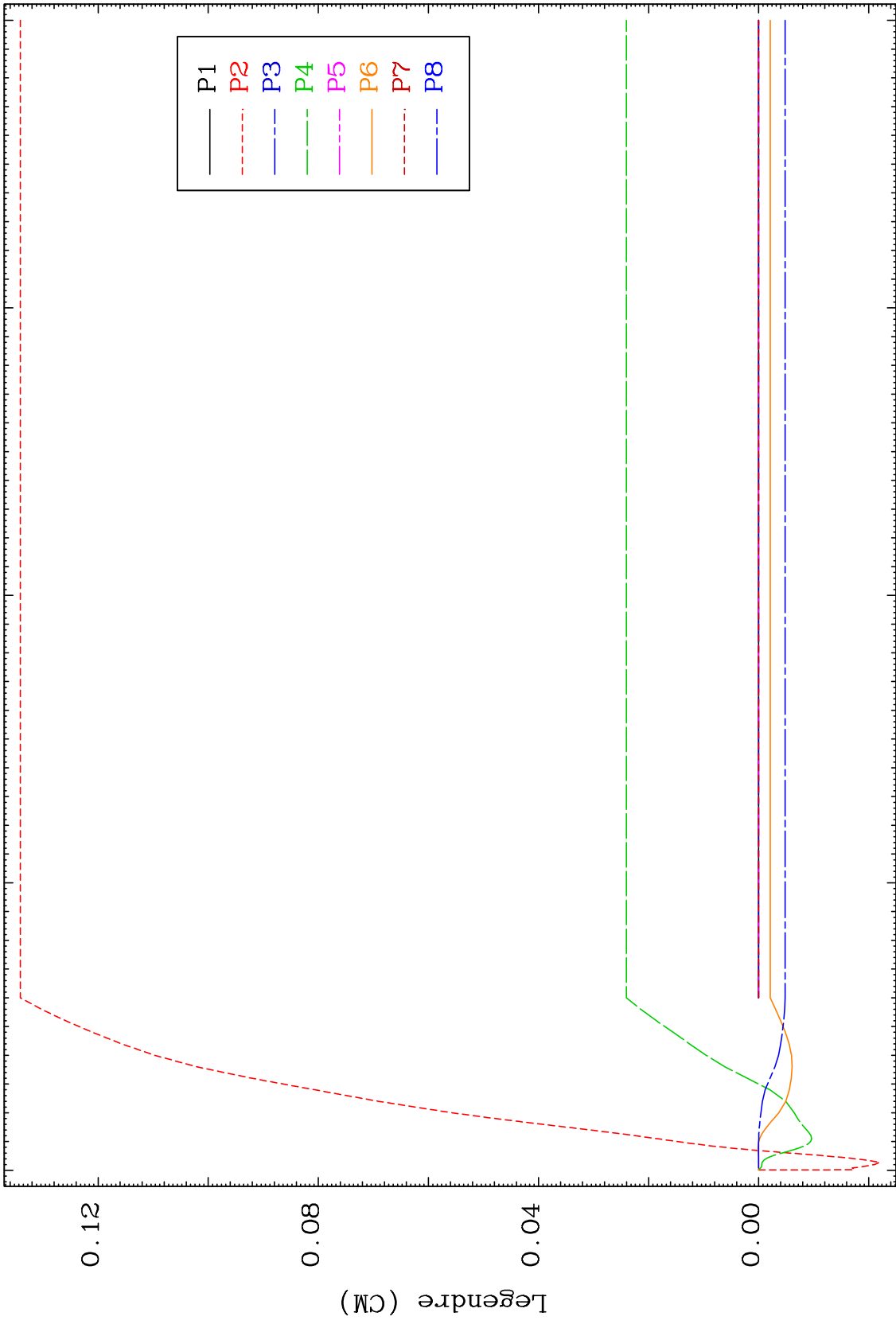


19

Incident Energy (MeV)

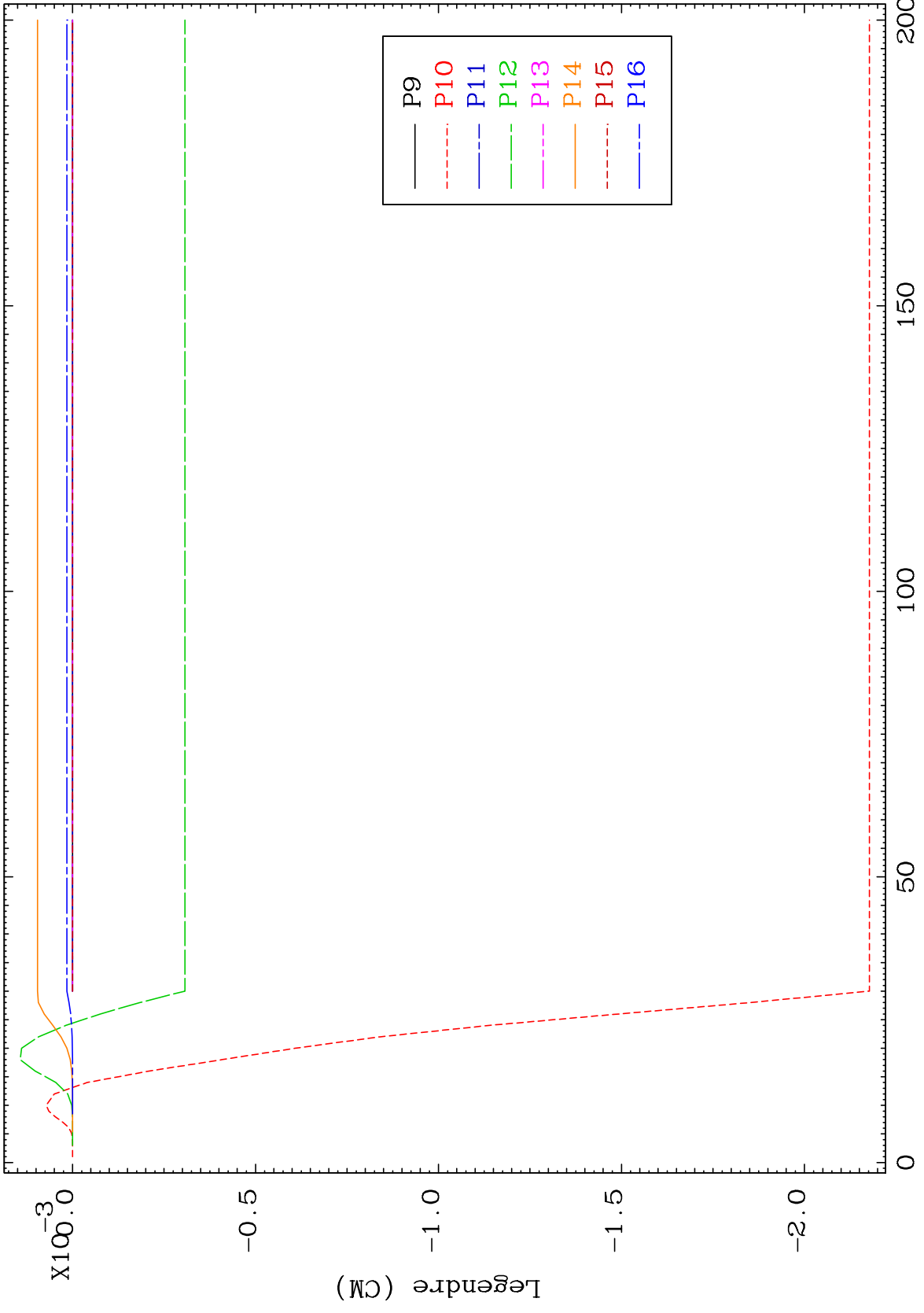
30-Zn-65

MAT 3028 MT= 51 (n,n') Level Legendre Coefficients 30-Zn-65



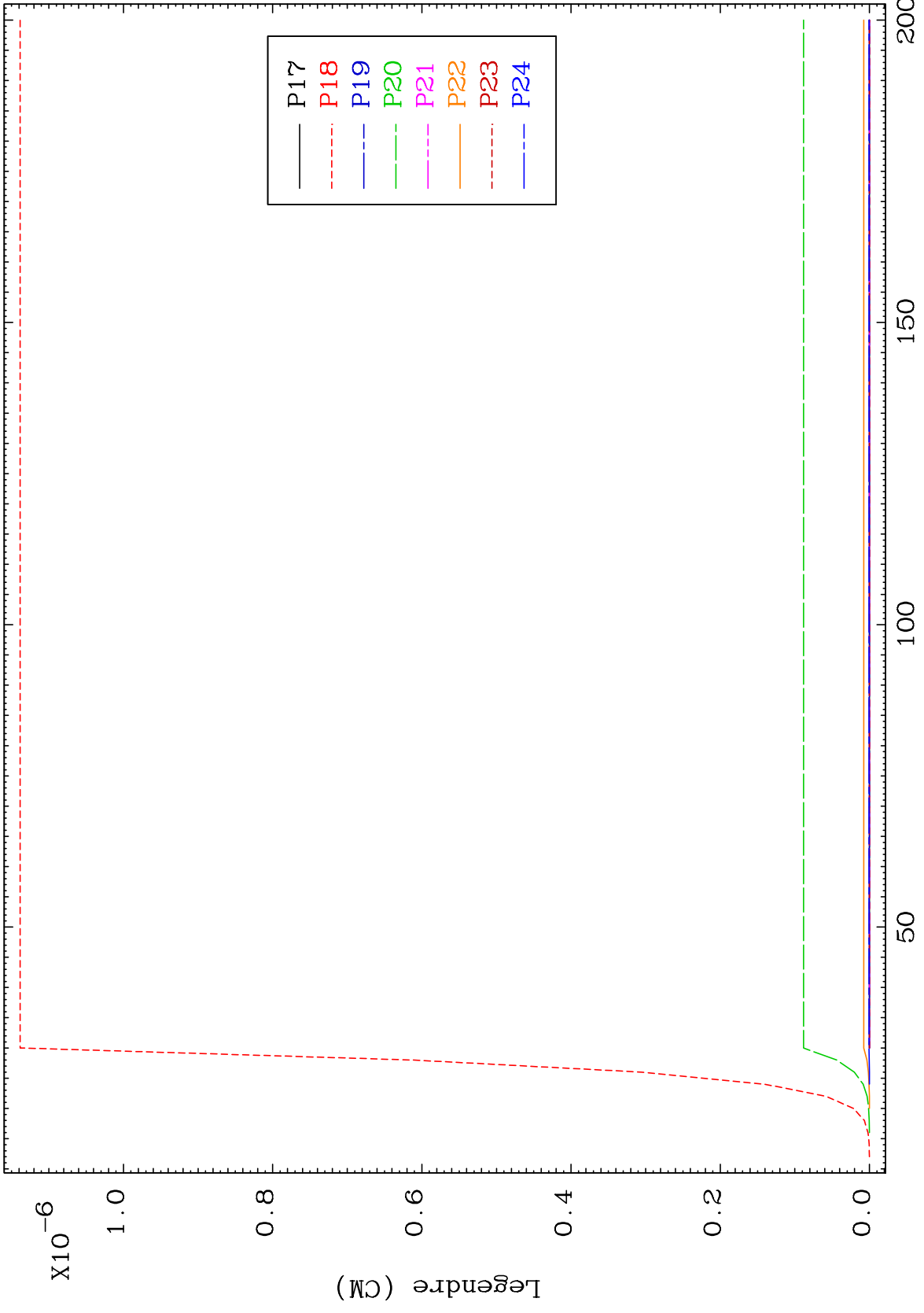
Incident Energy (MeV) 30-Zn-65

MAT 3028 MT= 51 (n,n') Level Legendre Coefficients 30-Zn-65



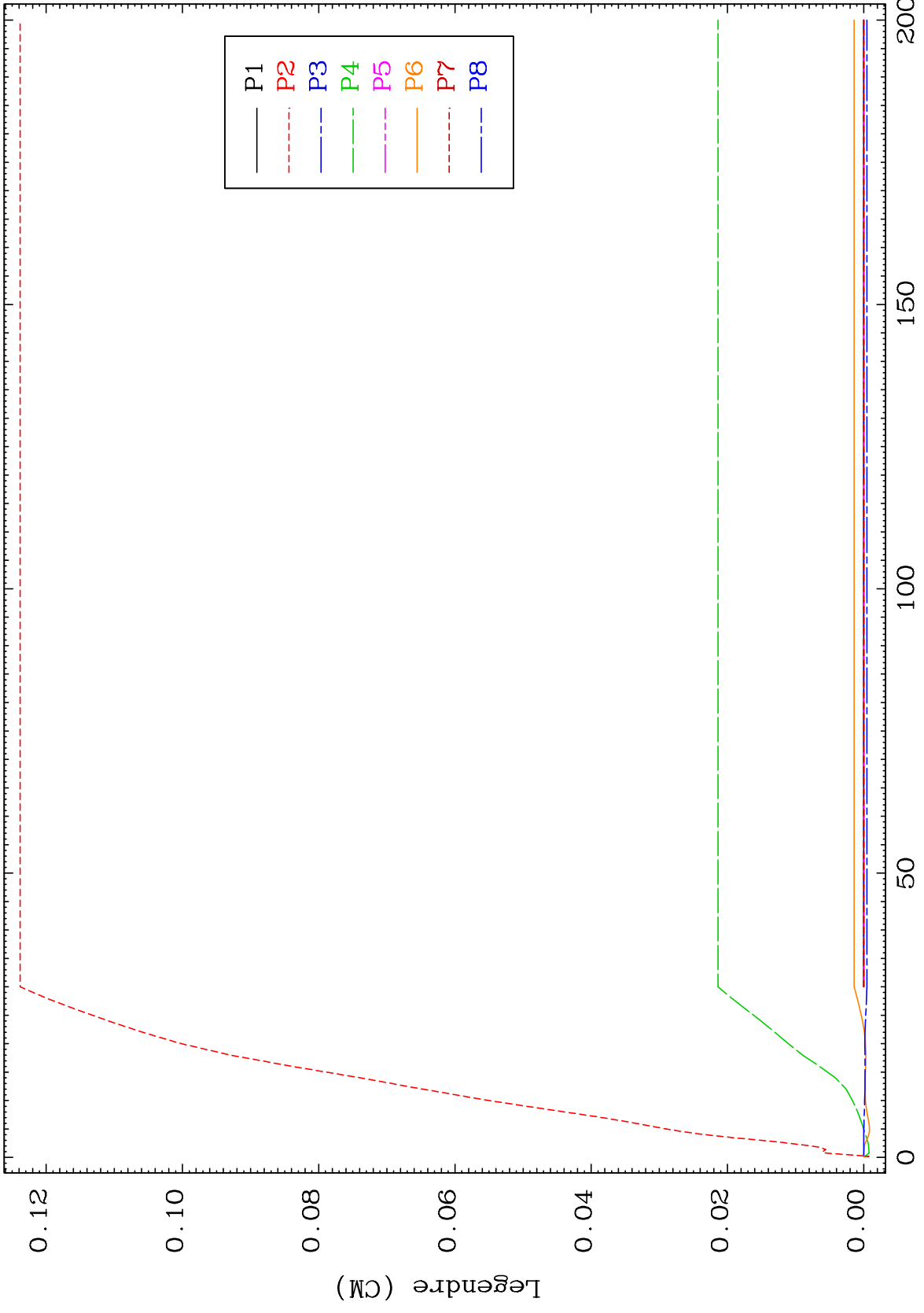
21 30-Zn-65

MAT 3028 MT= 51 (n,n') Level Legendre Coefficients 30-Zn-65



22 50 100 150 200 30-Zn-65

MAT 3028 MT= 52 (n,n') Level Legendre Coefficients 30-Zn-65

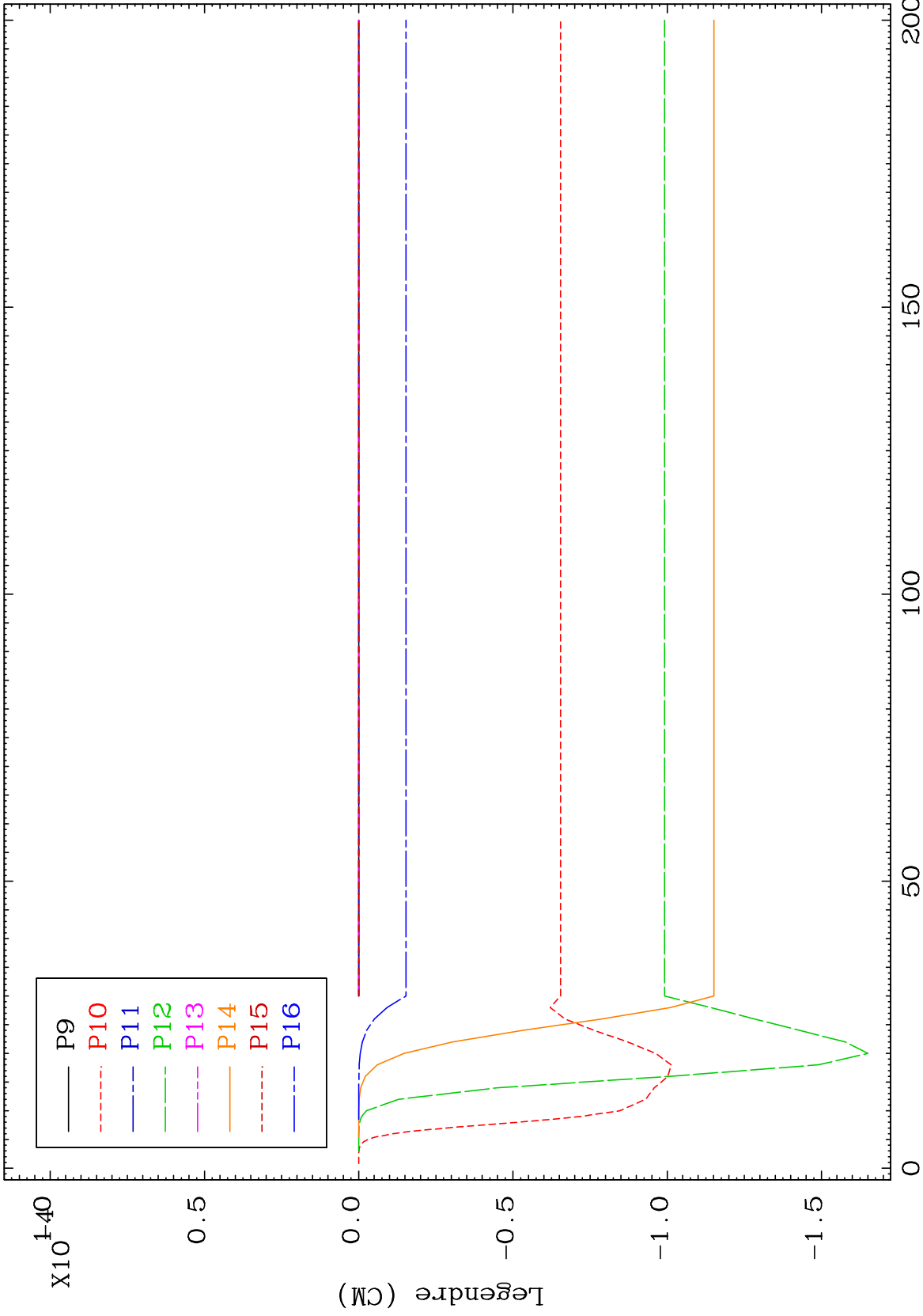


30-Zn-65

MAT 3028

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

30-Zn-65

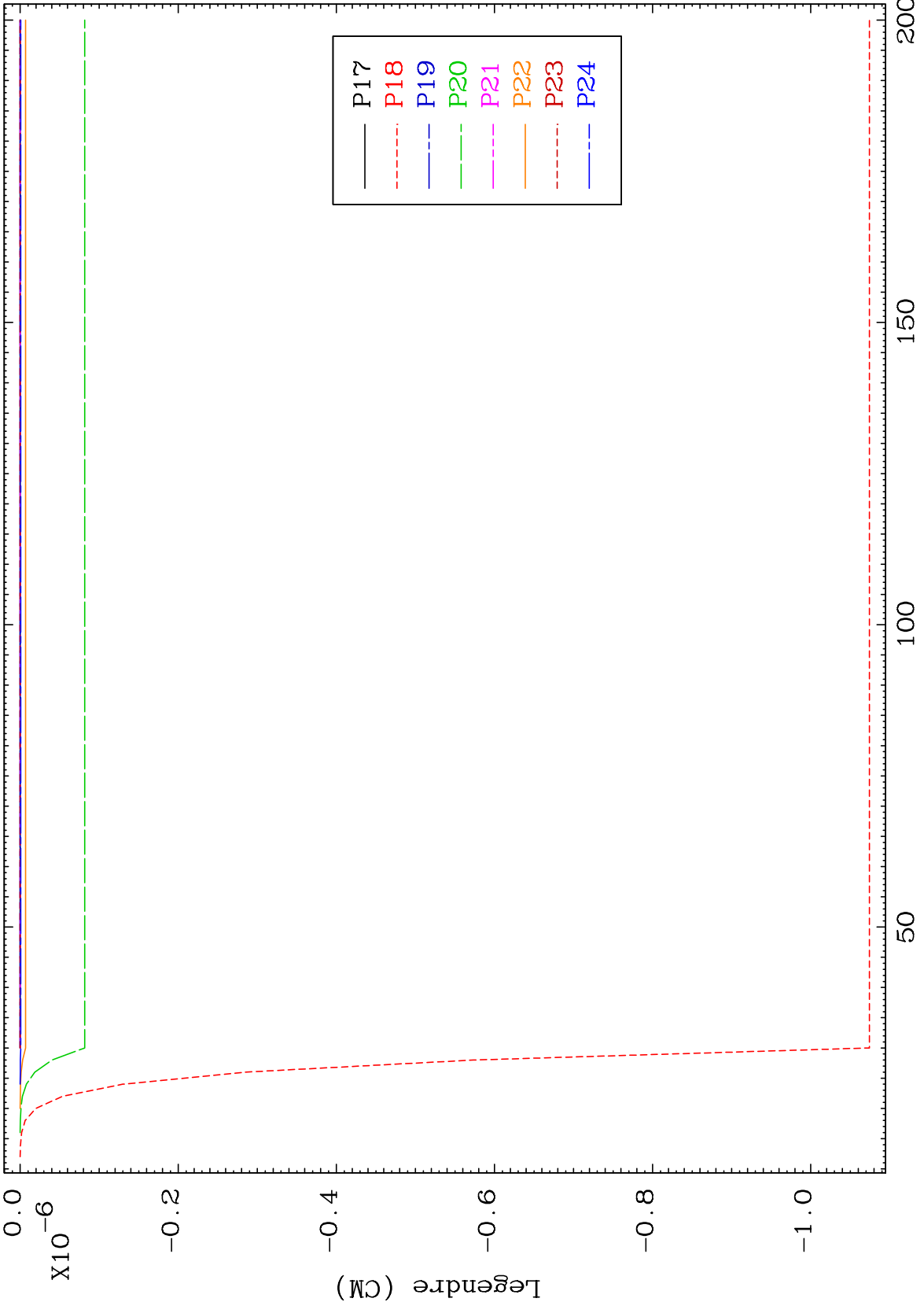


24

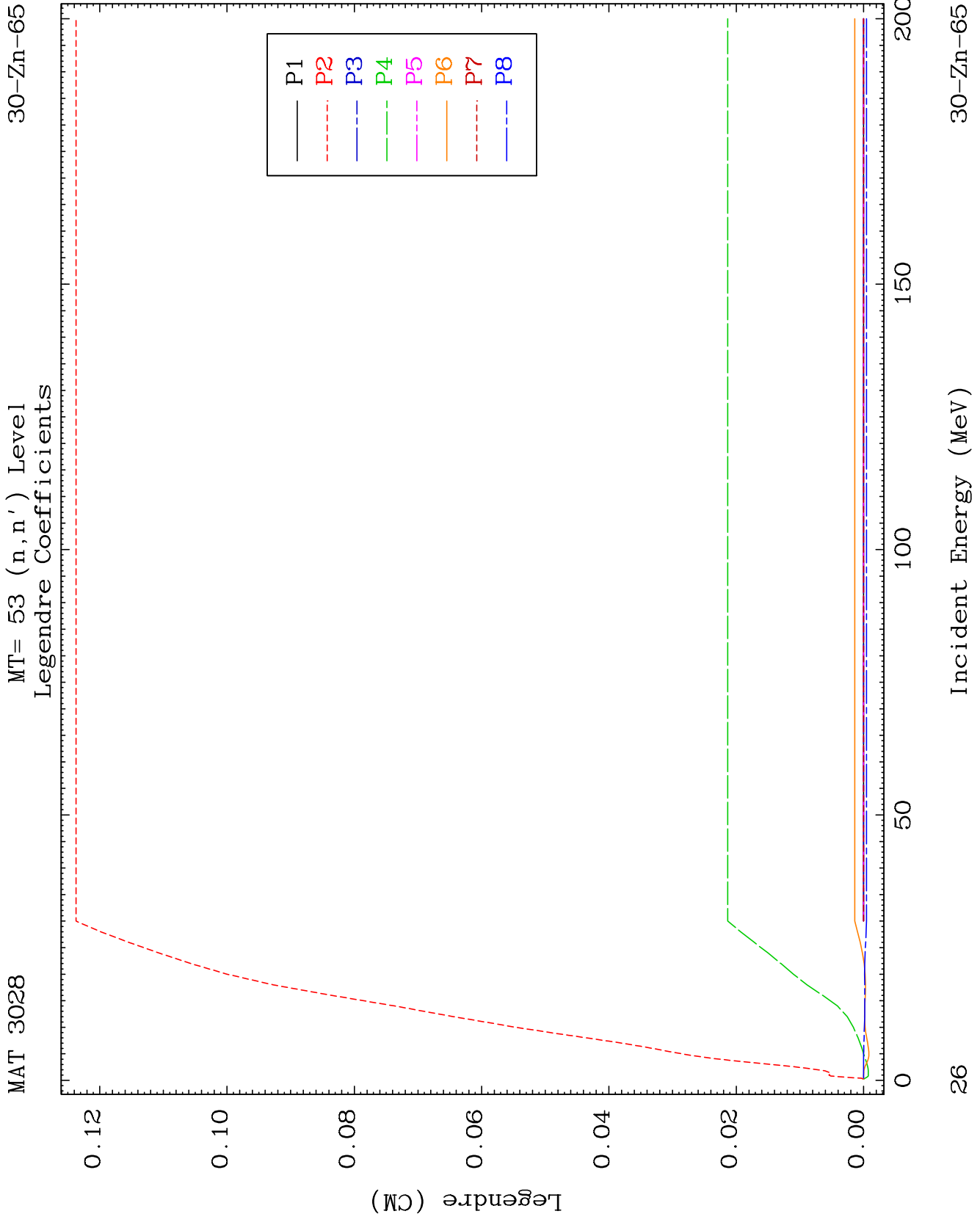
Incident Energy (MeV)

30-Zn-65

MAT 3028 MT= 52 (n,n') Level Legendre Coefficients 30-Zn-65



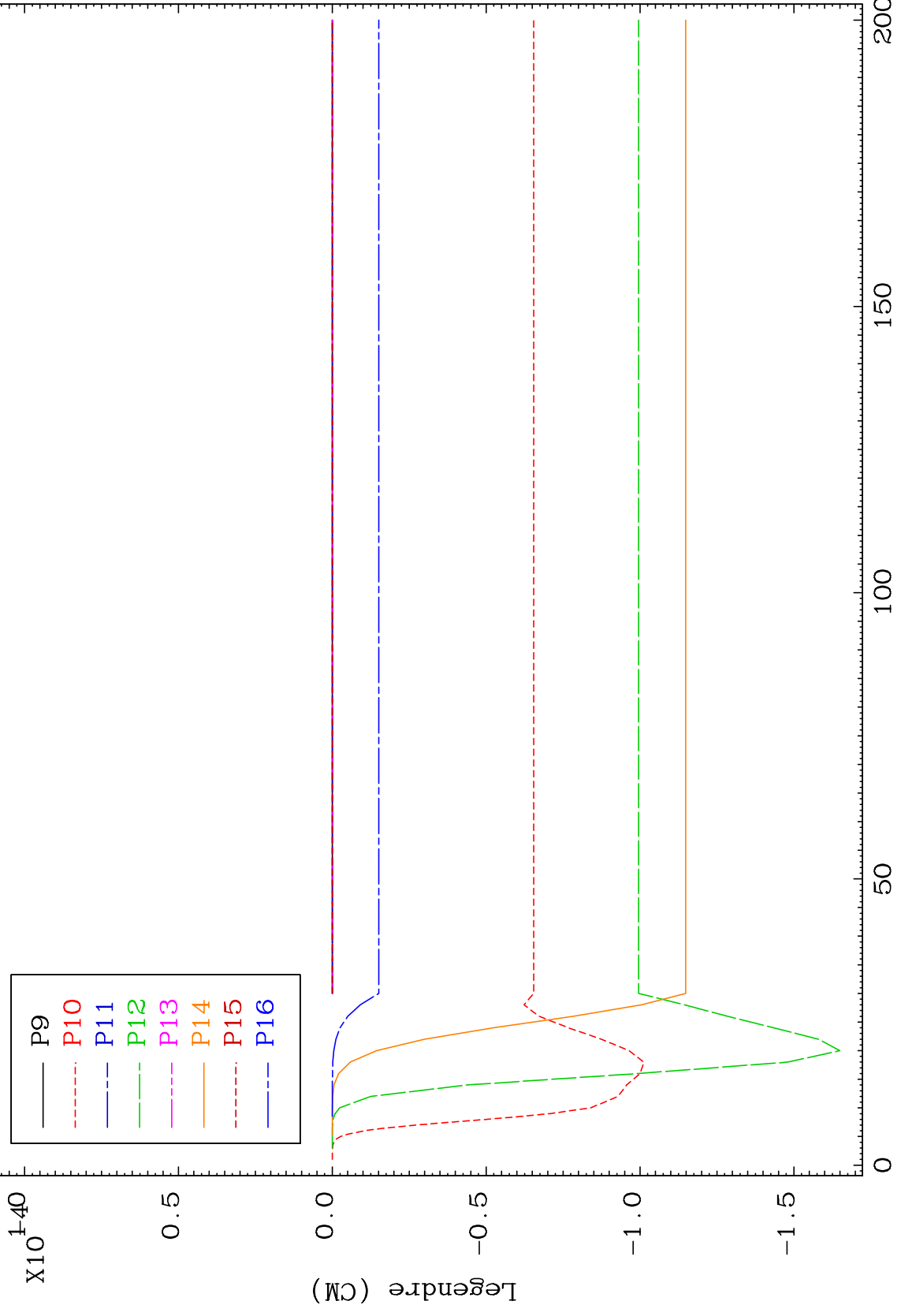
25 Incident Energy (MeV) 30-Zn-65



MAT 3028

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

30-Zn-65

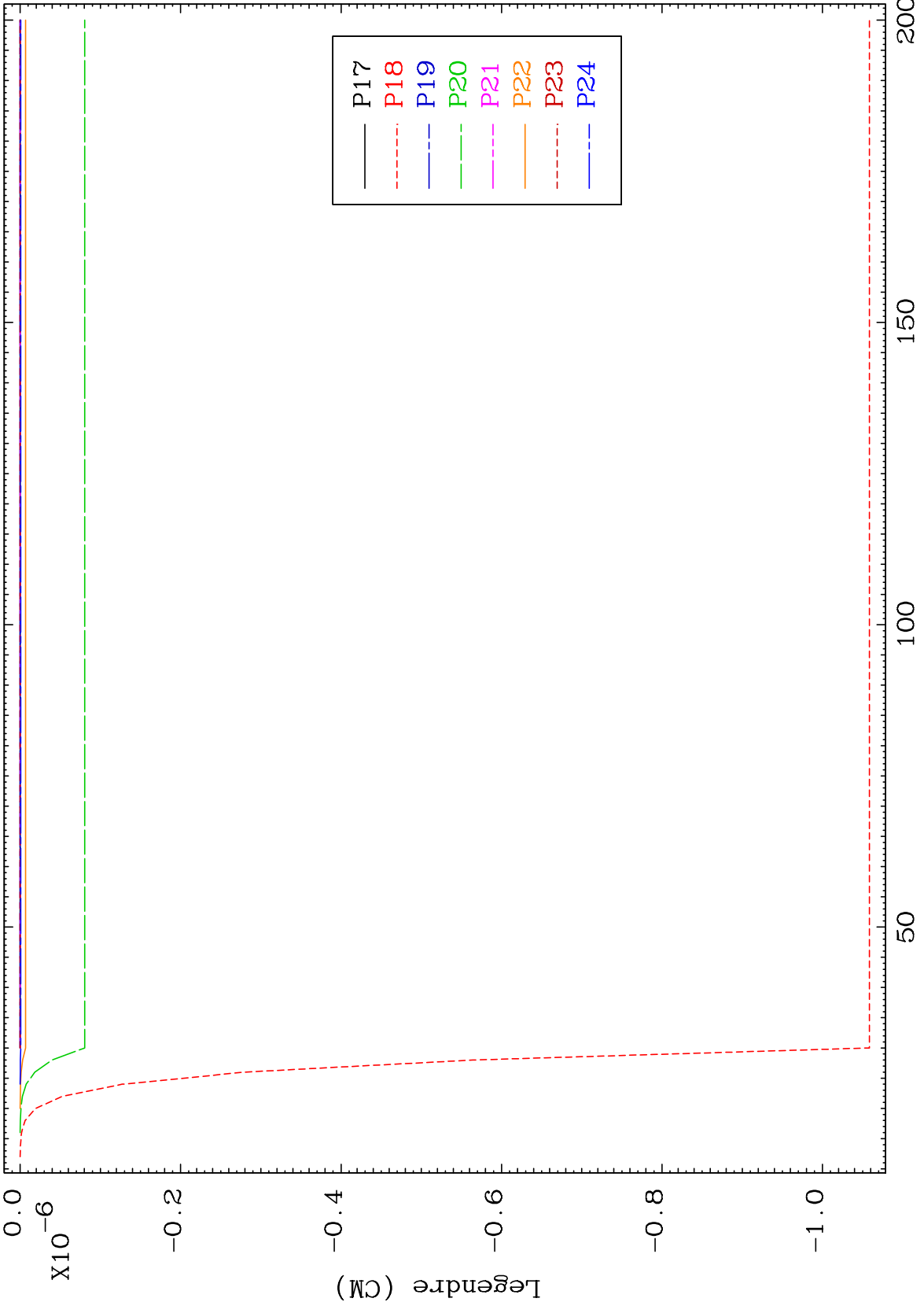


27

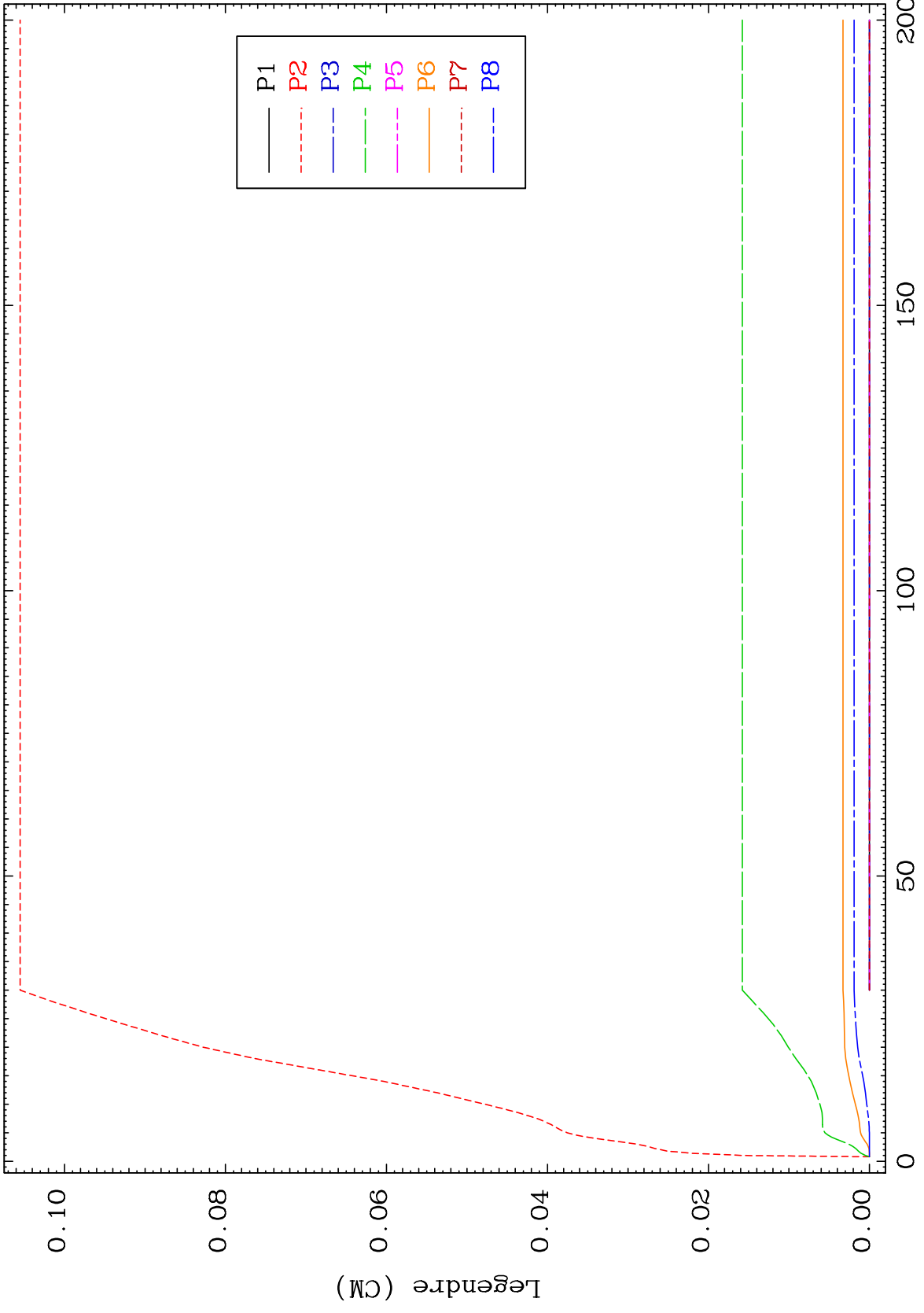
Incident Energy (MeV)

30-Zn-65

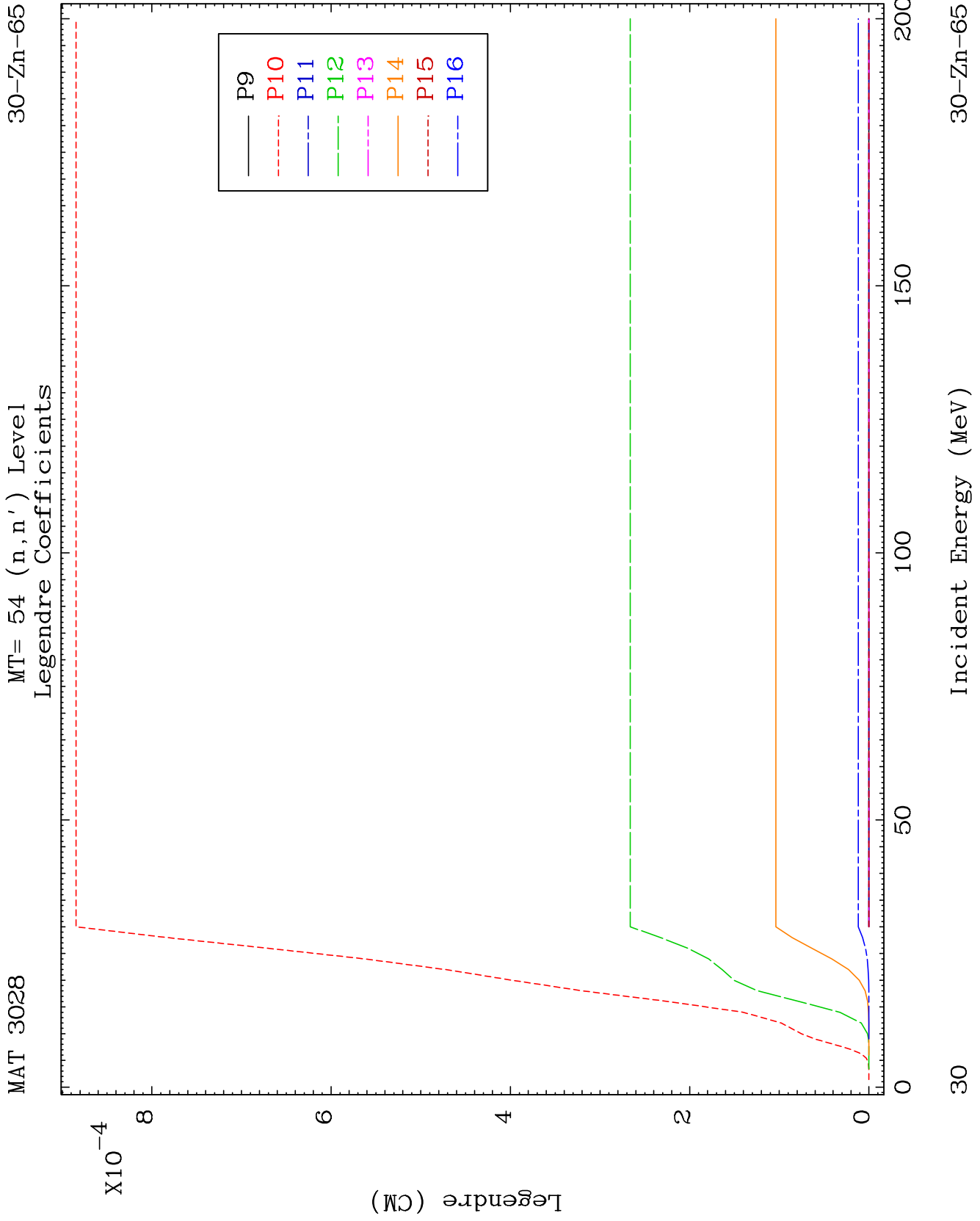
MAT 3028 MT= 53 (n,n') Level Legendre Coefficients 30-Zn-65



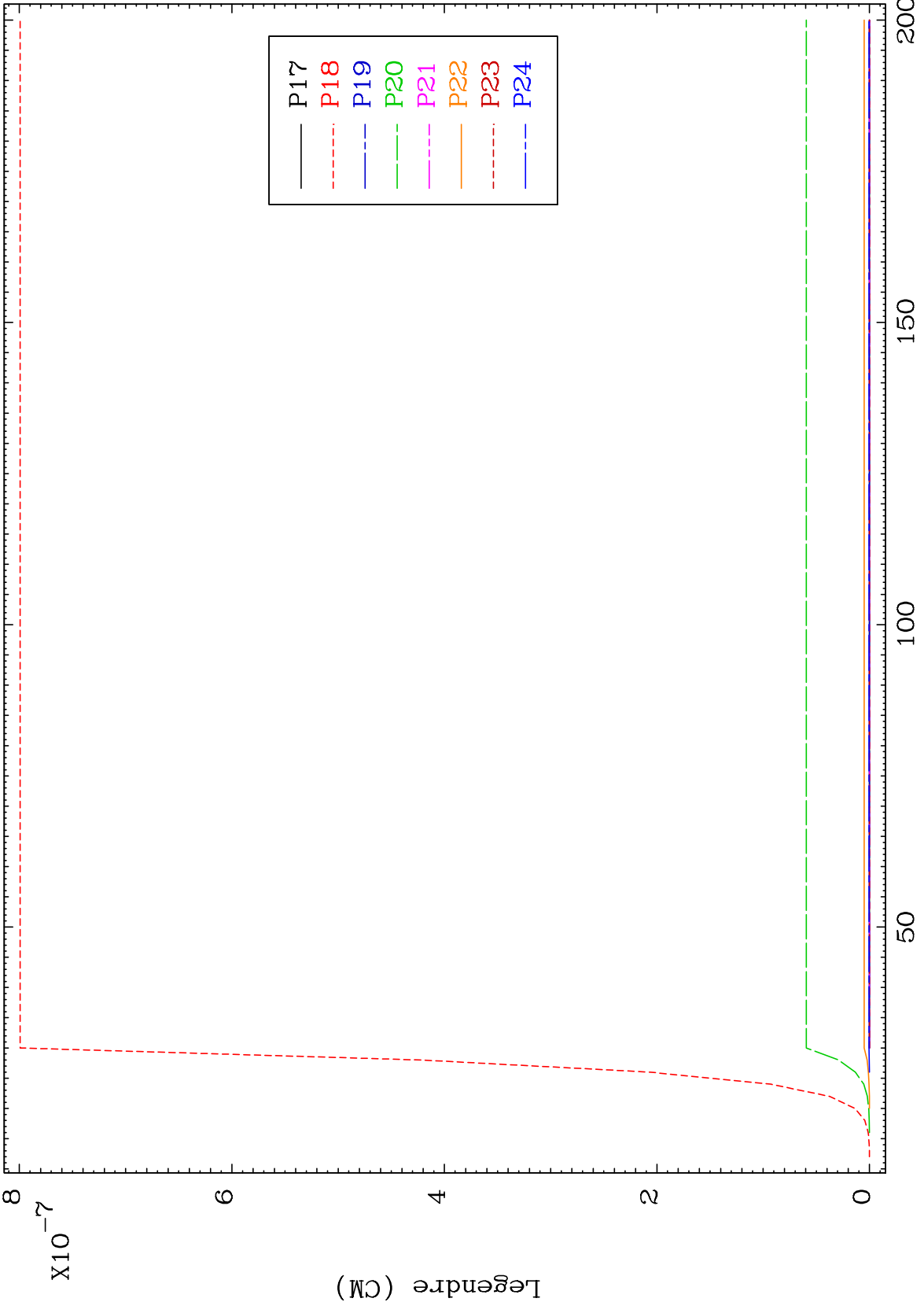
MAT 3028 MT= 54 (n,n') Level Legendre Coefficients 30-Zn-65



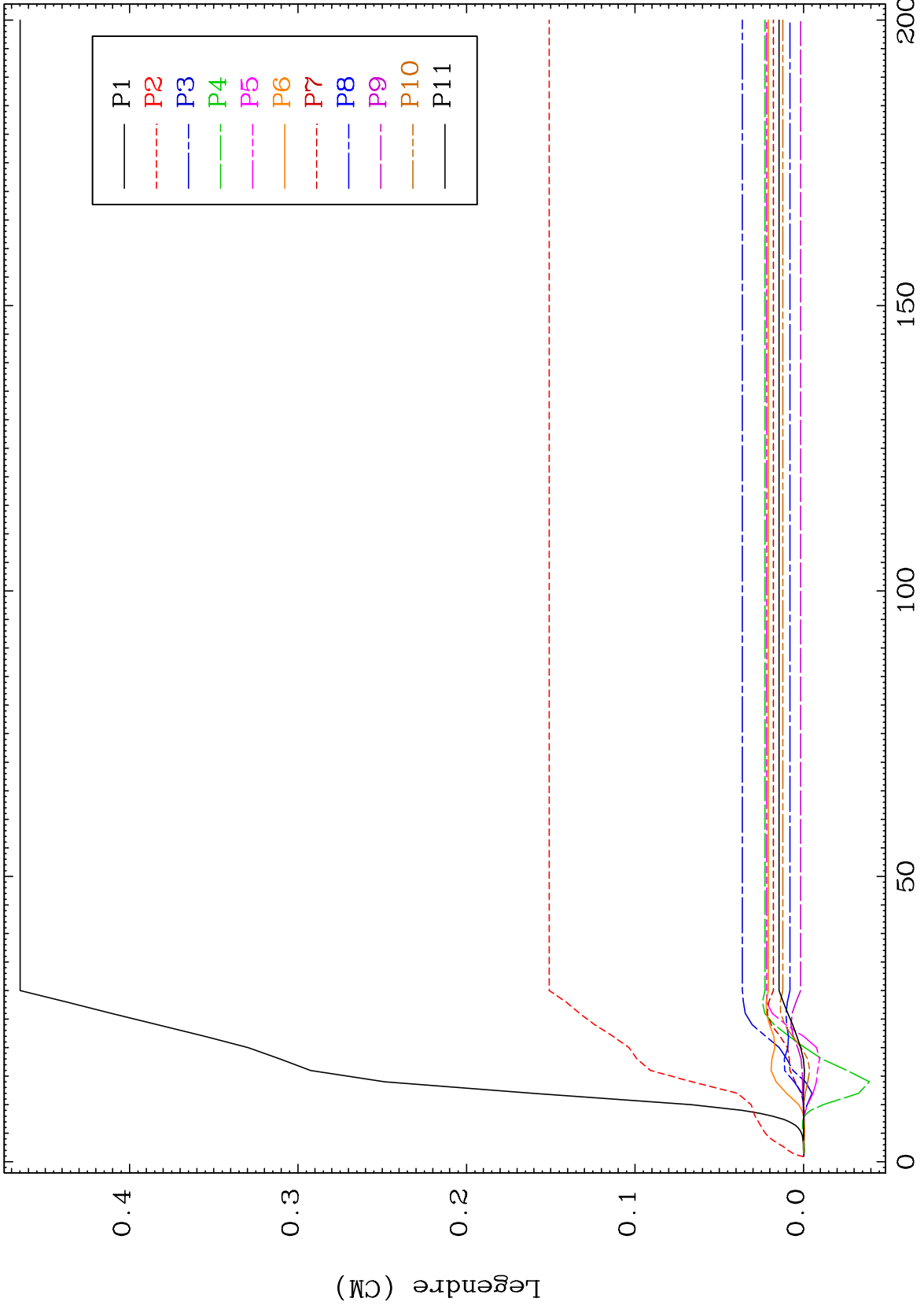
29 Incident Energy (MeV) 30-Zn-65



MAT 3028 MT= 54 (n,n') Level Legendre Coefficients 30-Zn-65

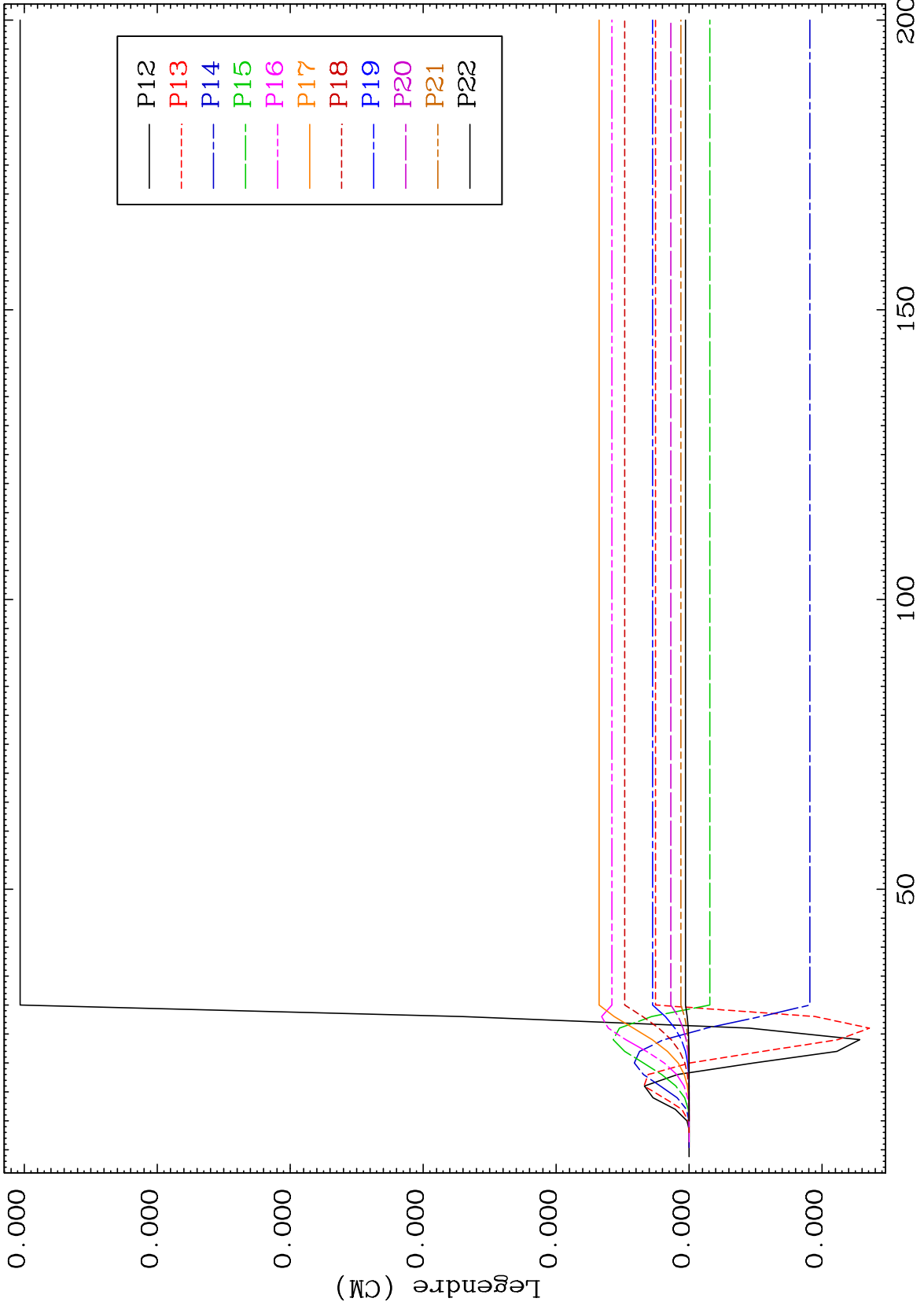


MAT 3028 MT= 55 (n,n') Level Legendre Coefficients 30-Zn-65



32 Incident Energy (MeV) 30-Zn-65

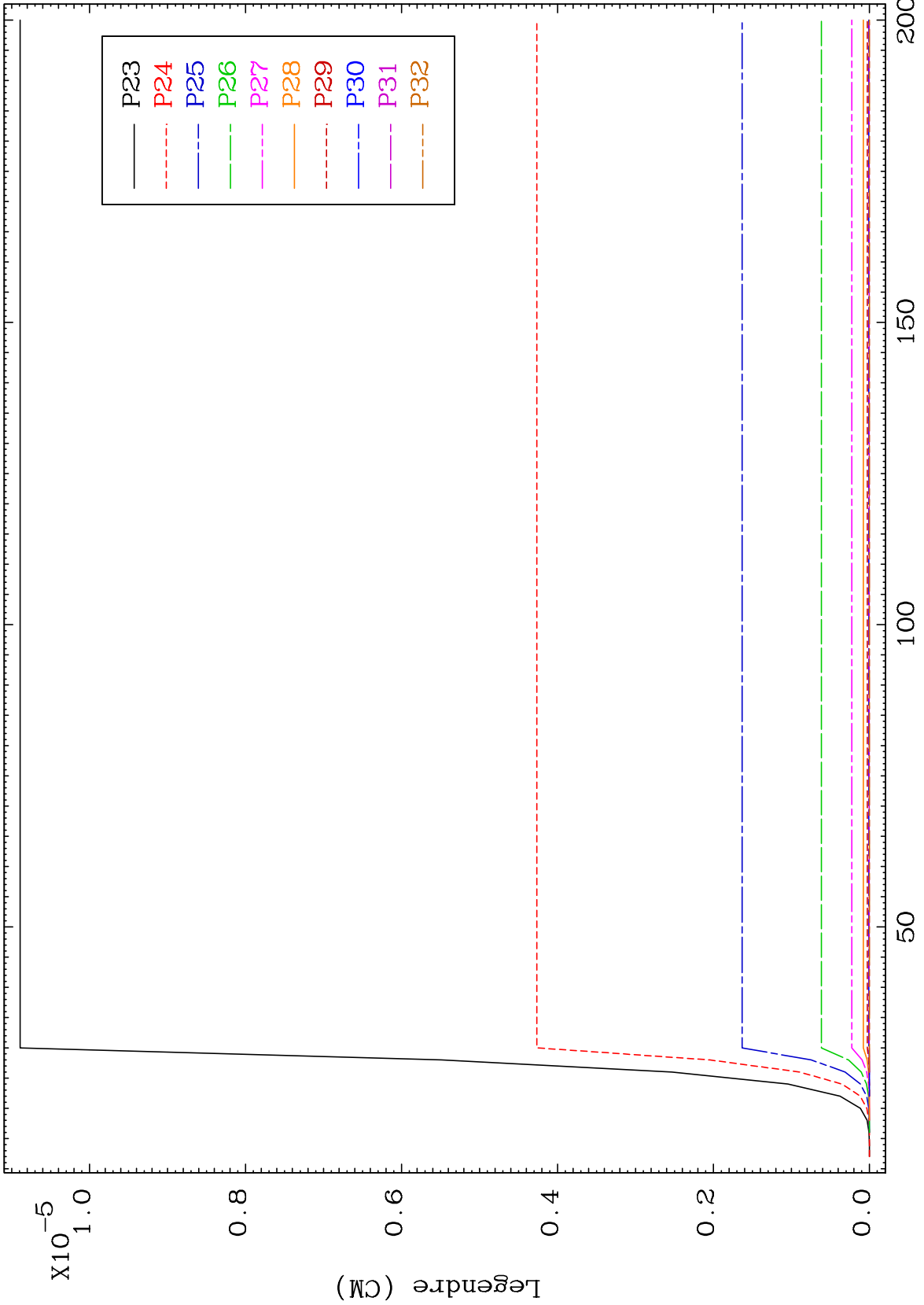
MAT 3028 MT= 55 (n,n') Level Legendre Coefficients 30-Zn-65



MAT 3028

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

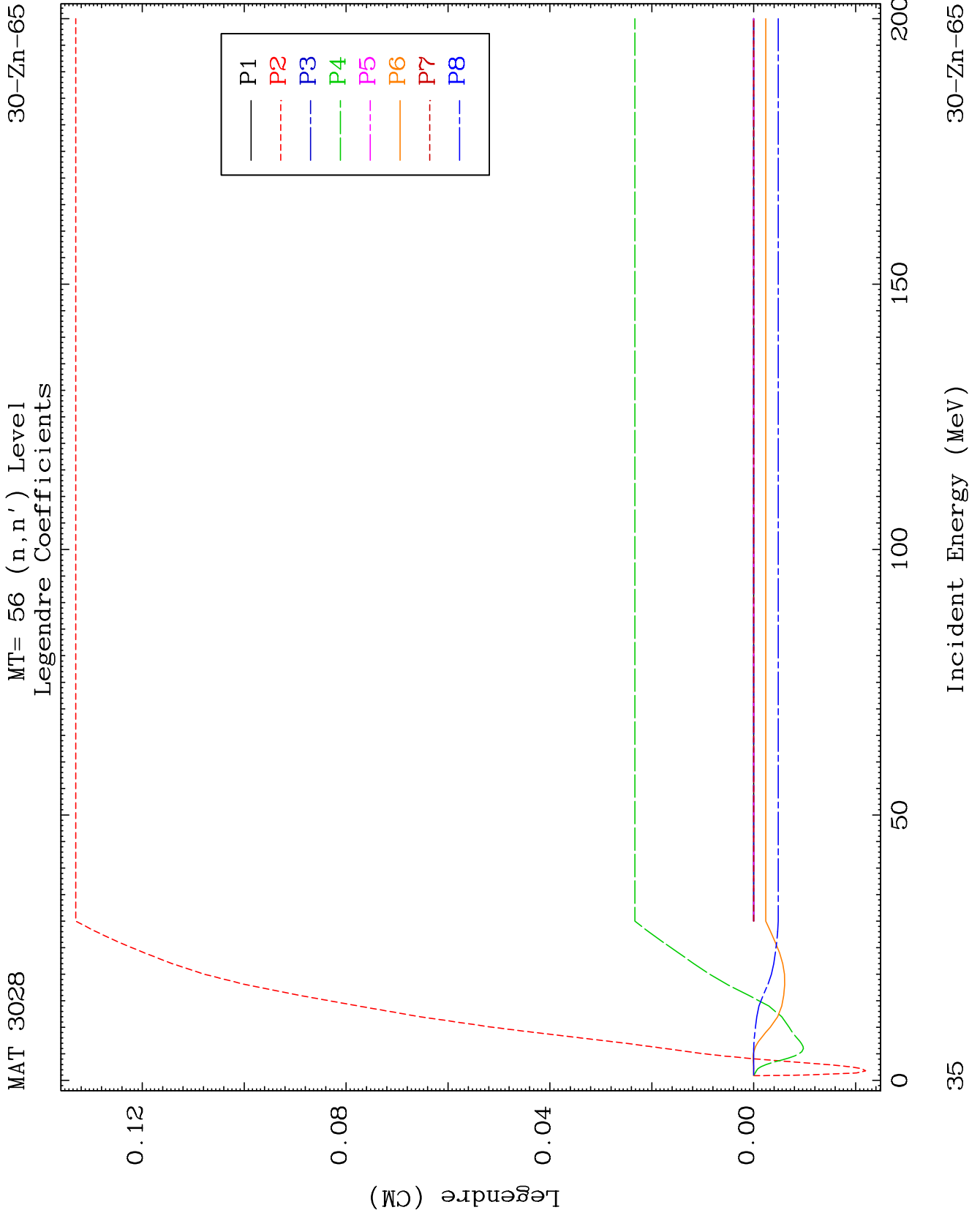
30-Zn-65



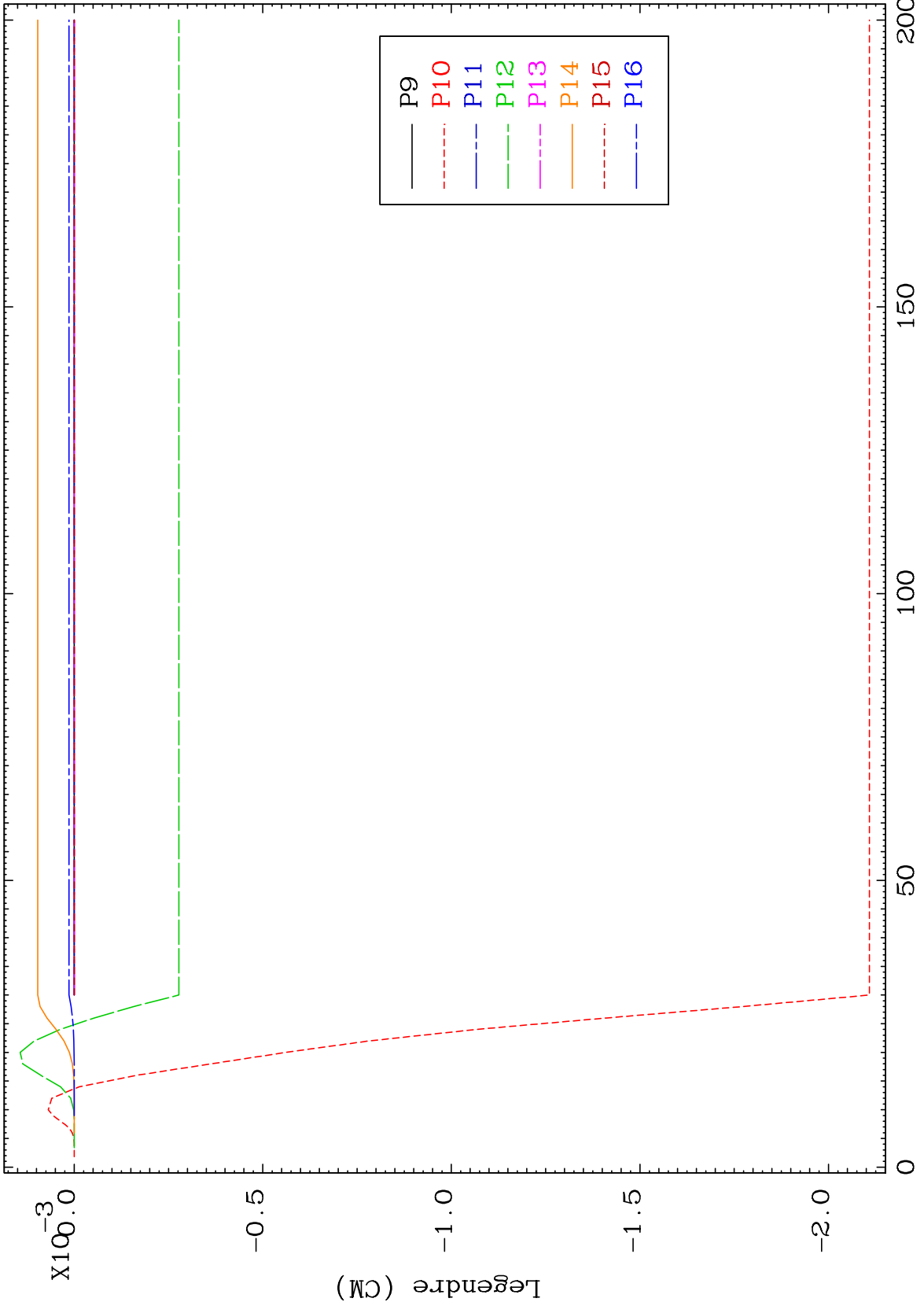
34

Incident Energy (MeV)

30-Zn-65

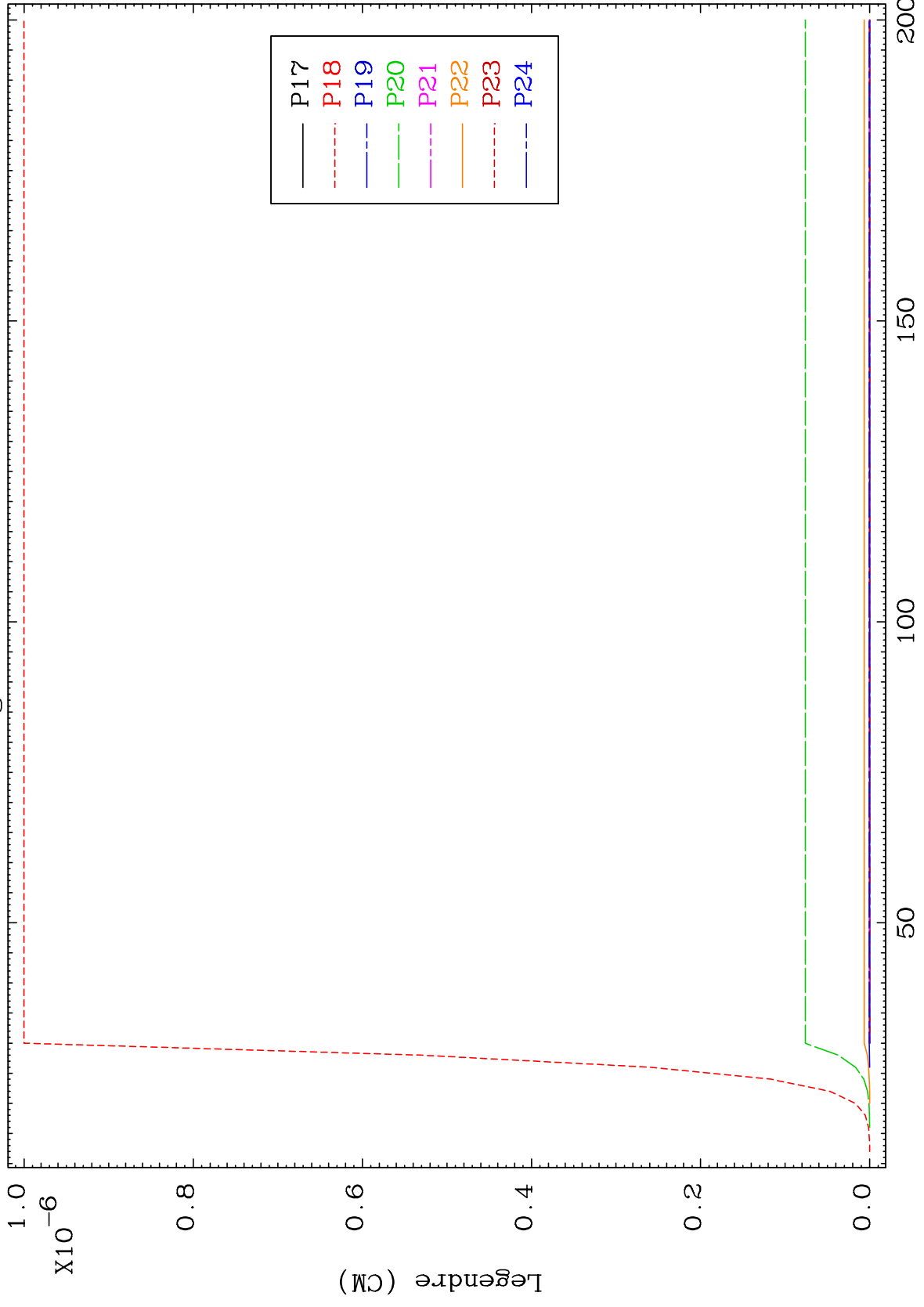


MAT 3028 MT= 56 (n,n') Level Legendre Coefficients 30-Zn-65



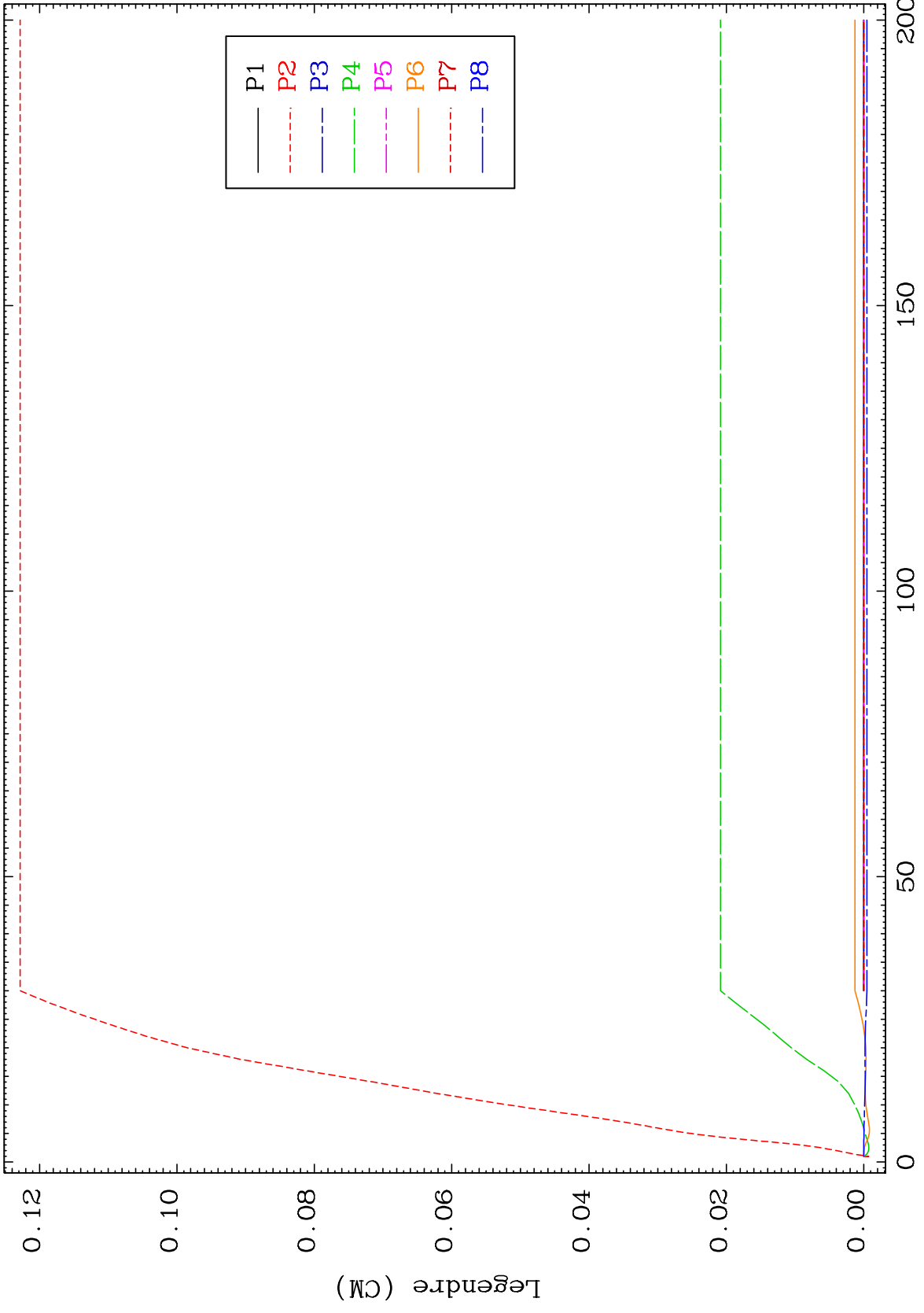
36 Incident Energy (MeV) 30-Zn-65

MAT 3028 MT= 56 (n,n') Level Legendre Coefficients 30-Zn-65



37 Incident Energy (MeV) 200 30-Zn-65

MAT 3028 MT= 57 (n,n') Level Legendre Coefficients 30-Zn-65

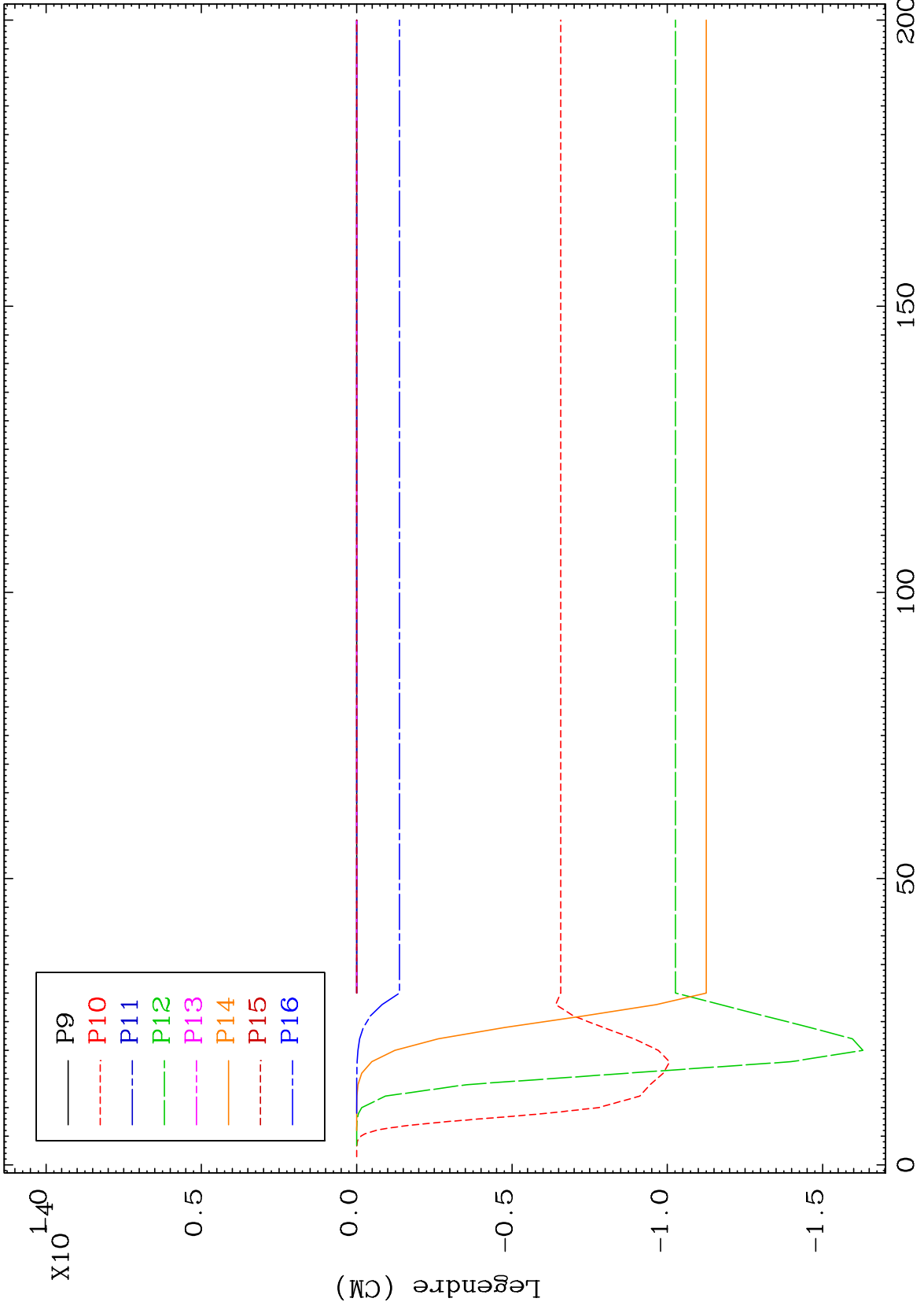


38 Incident Energy (MeV) 30-Zn-65

MAT 3028

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

30-Zn-65

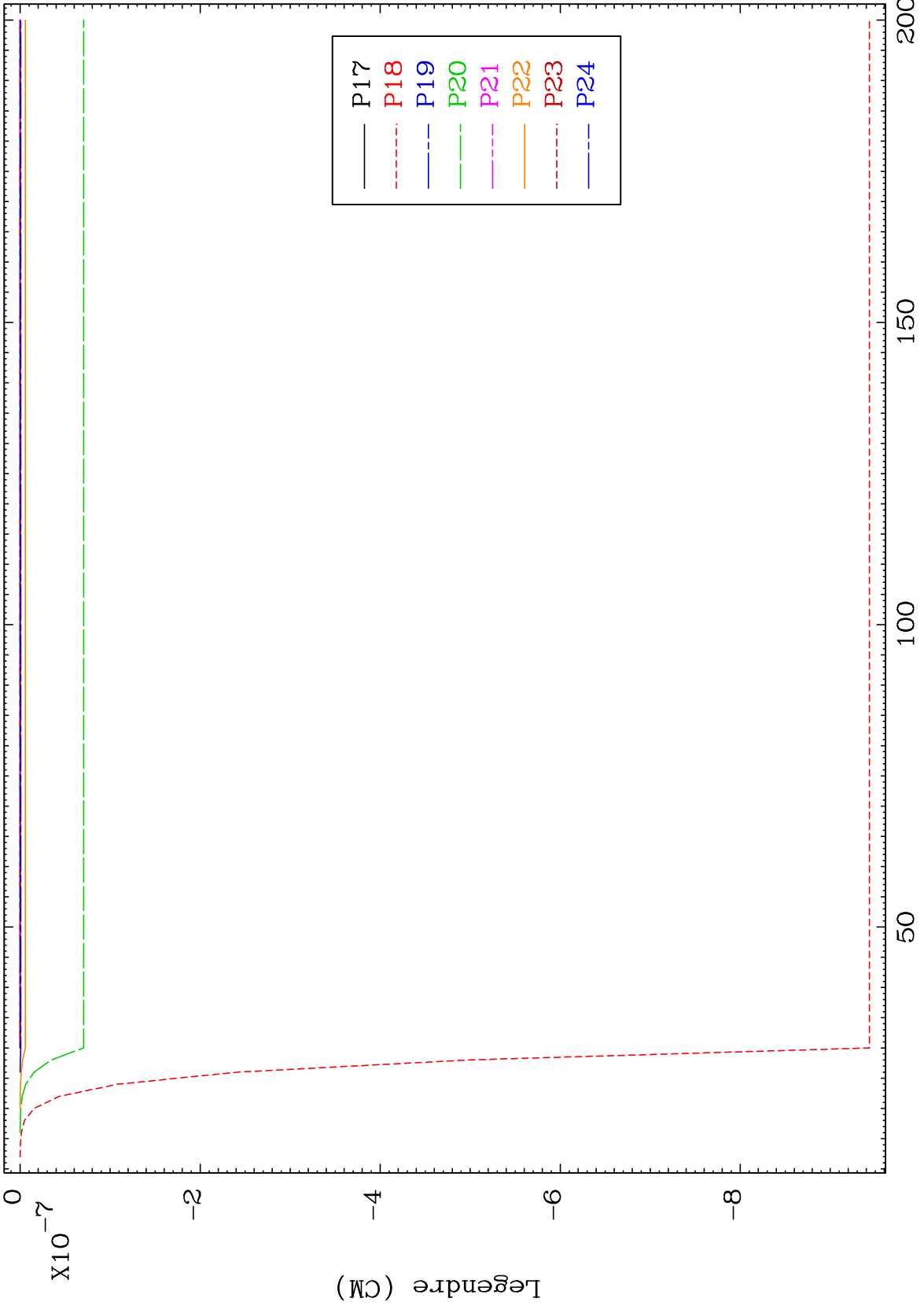


39

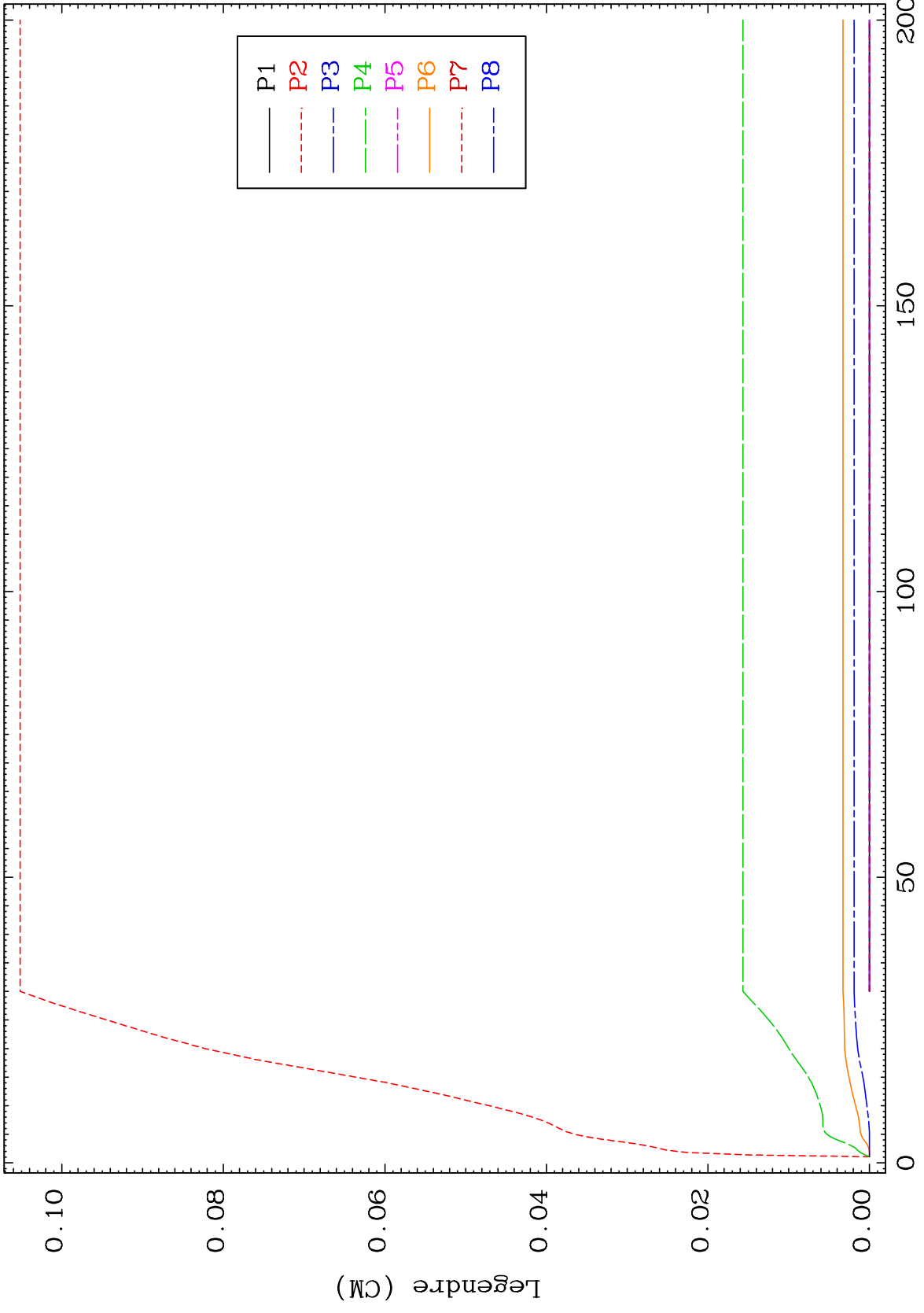
Incident Energy (MeV)

30-Zn-65

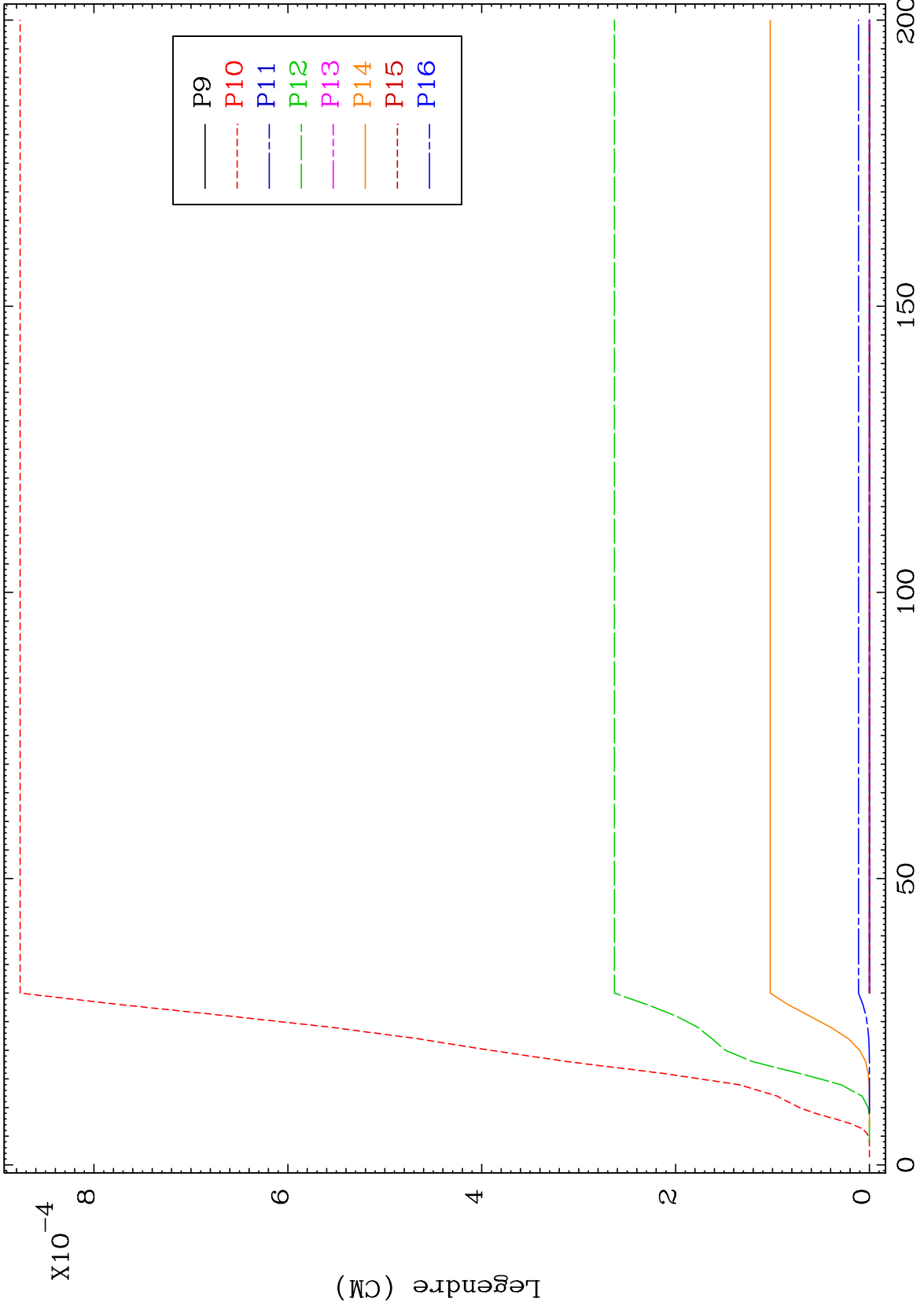
MAT 3028 MT= 57 (n,n') Level Legendre Coefficients 30-Zn-65



MAT 3028 MT= 58 (n,n') Level Legendre Coefficients 30-Zn-65

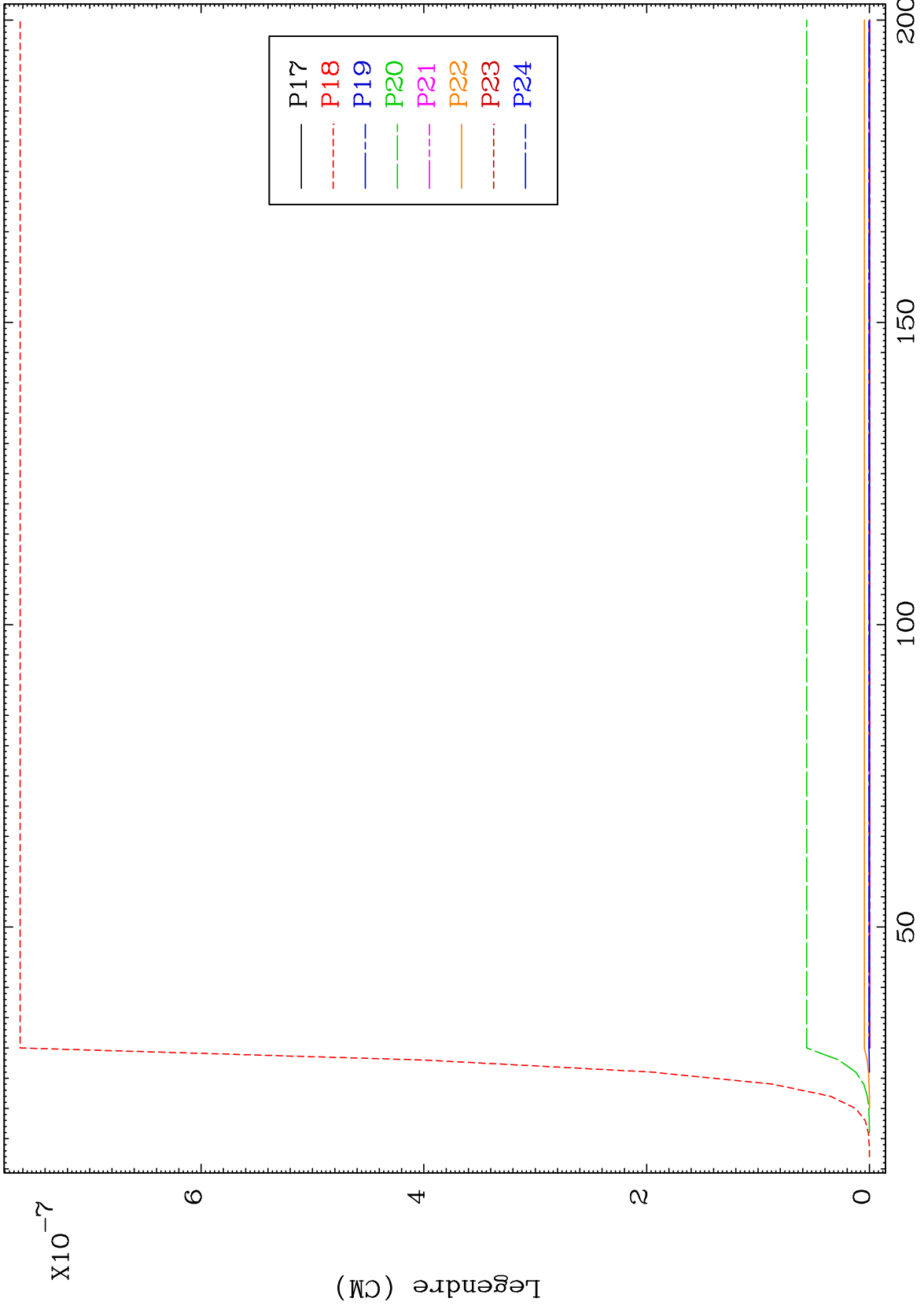


MAT 3028 MT= 58 (n,n') Level Legendre Coefficients 30-Zn-65



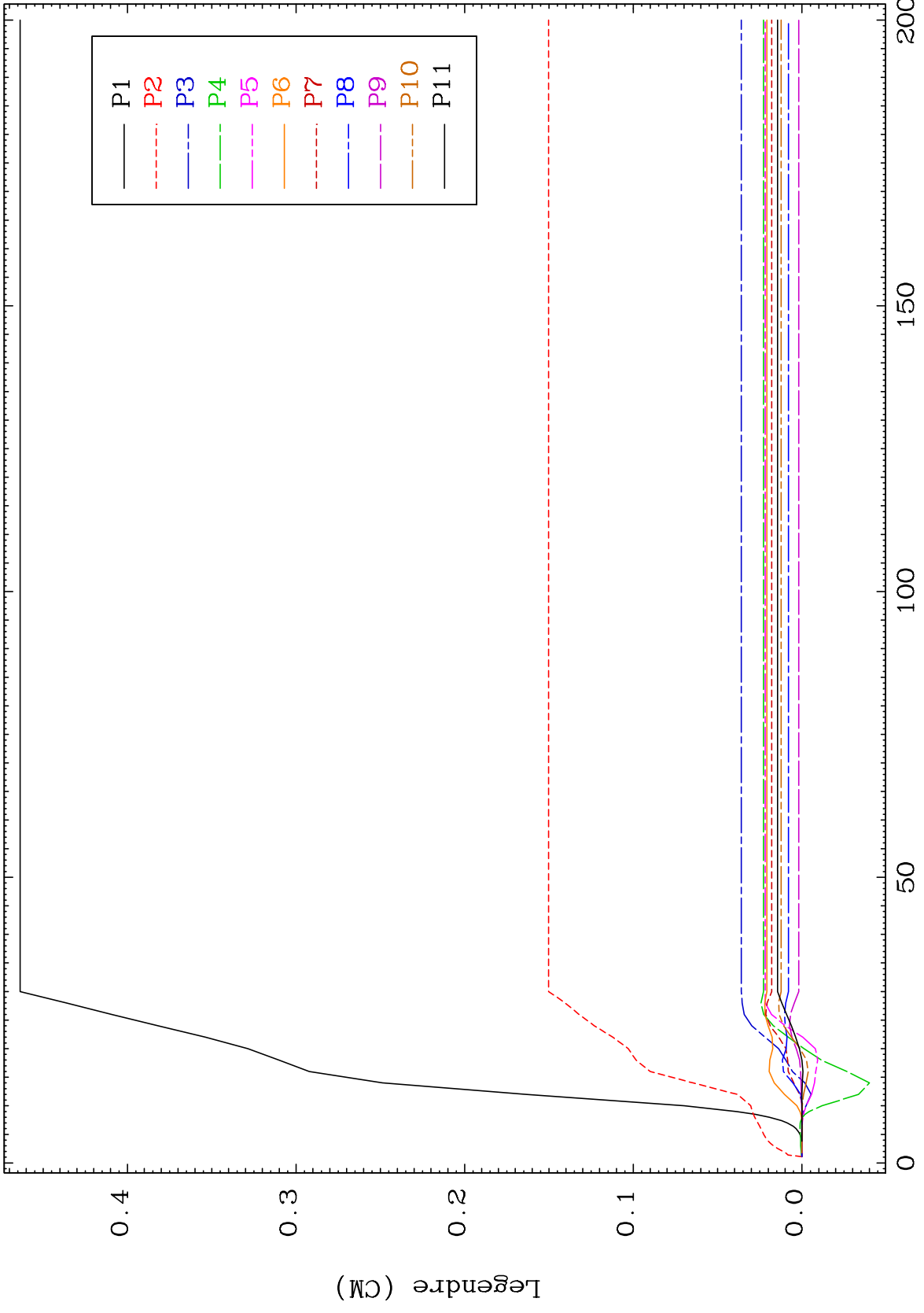
42 Incident Energy (MeV) 30-Zn-65

MAT 3028 MT= 58 (n,n') Level Legendre Coefficients 30-Zn-65



43 50 100 150 200 30-Zn-65

MAT 3028 MT= 59 (n,n') Level Legendre Coefficients 30-Zn-65

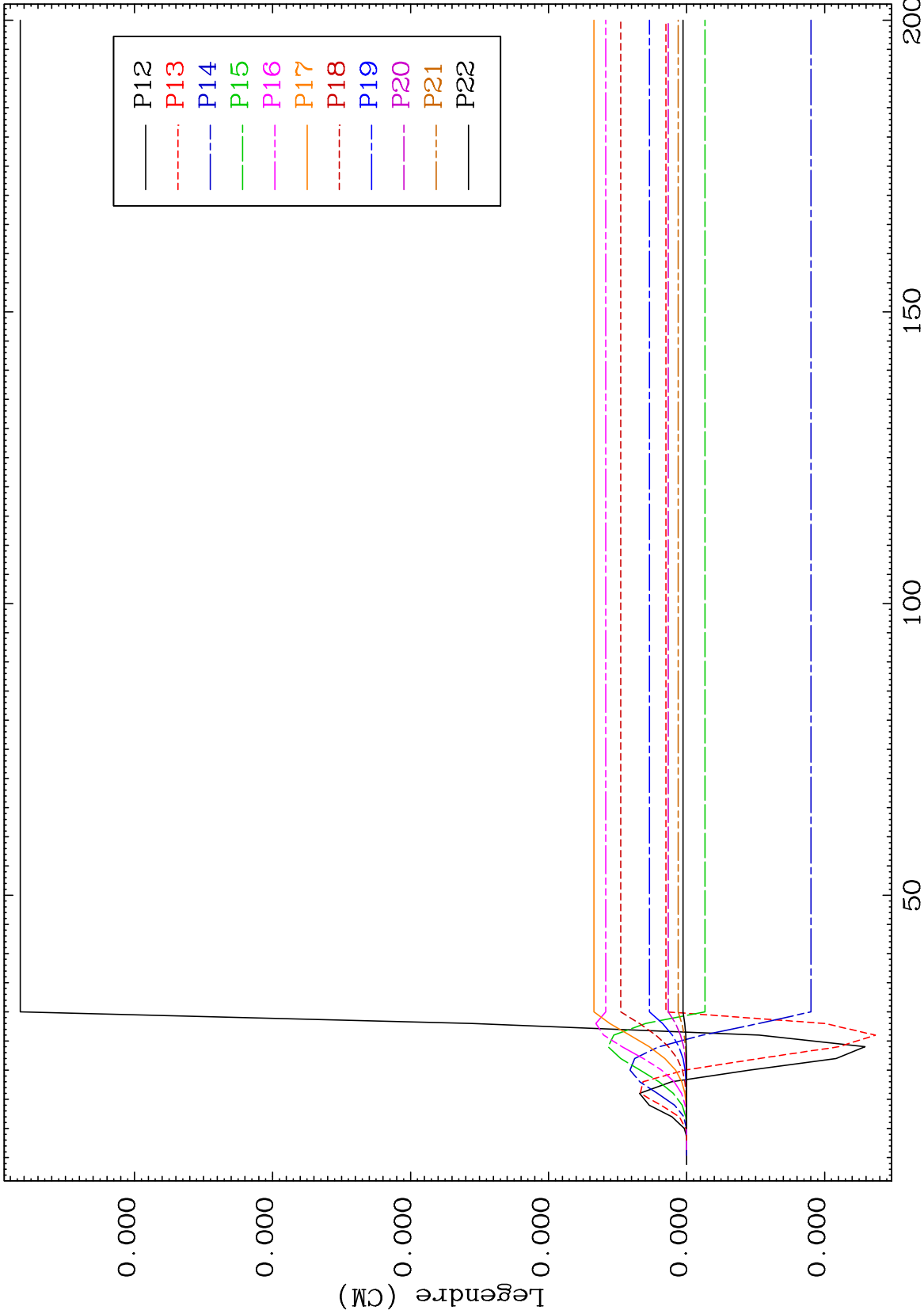


44 30-Zn-65

MAT 3028

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

30-Zn-65



45

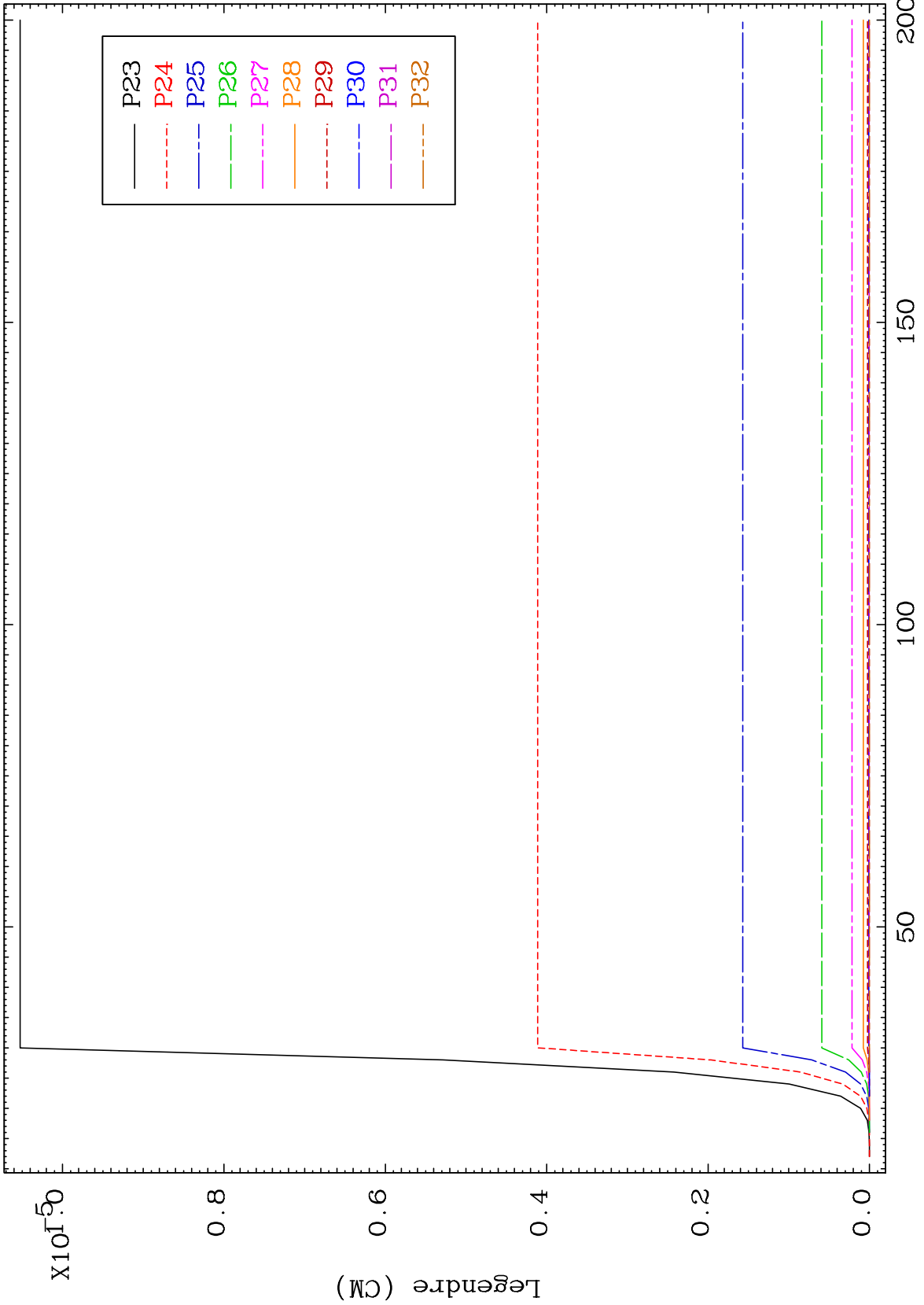
Incident Energy (MeV)

30-Zn-65

MAT 3028

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

30-Zn-65



46

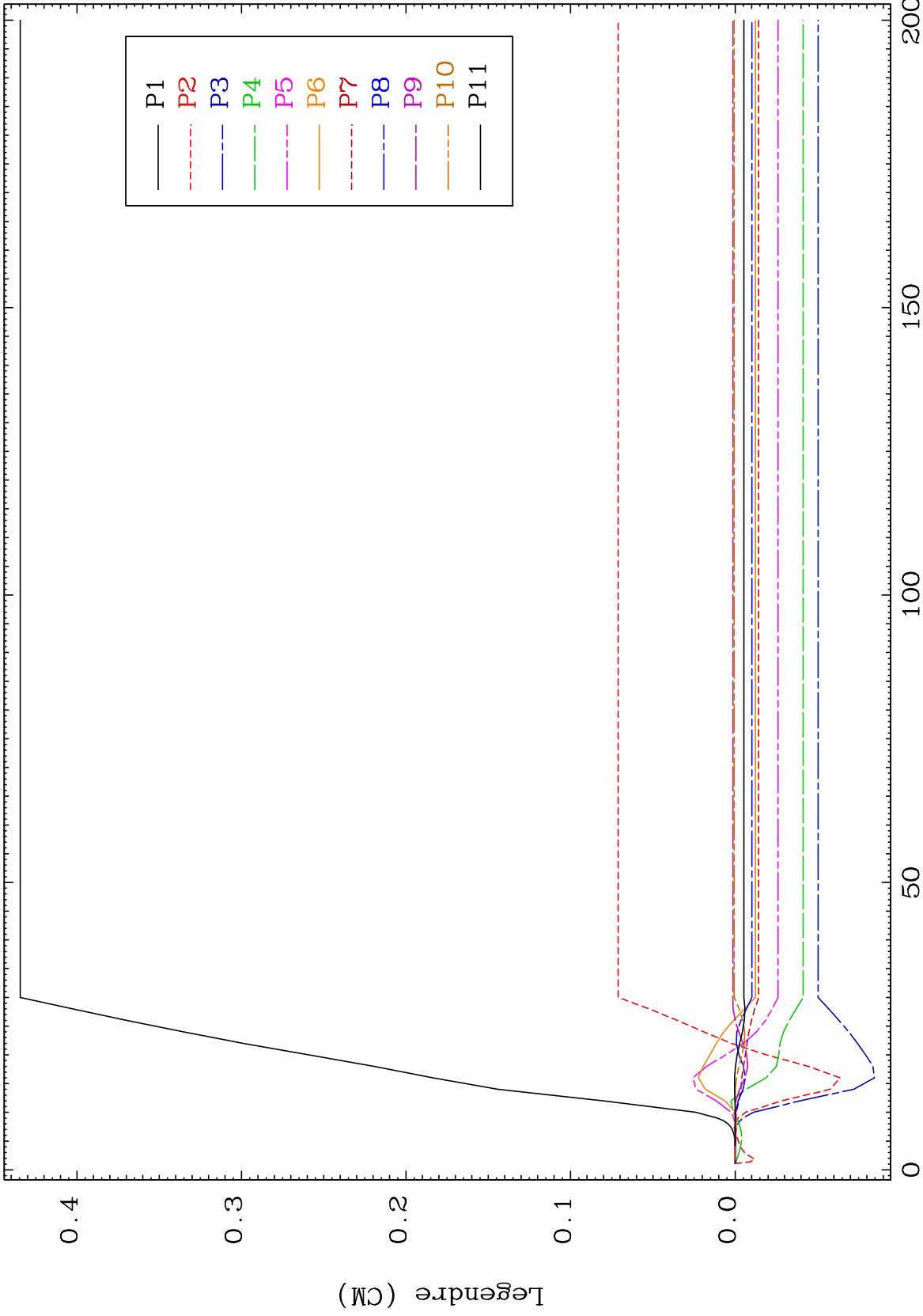
Incident Energy (MeV)

30-Zn-65

MAT 3028

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

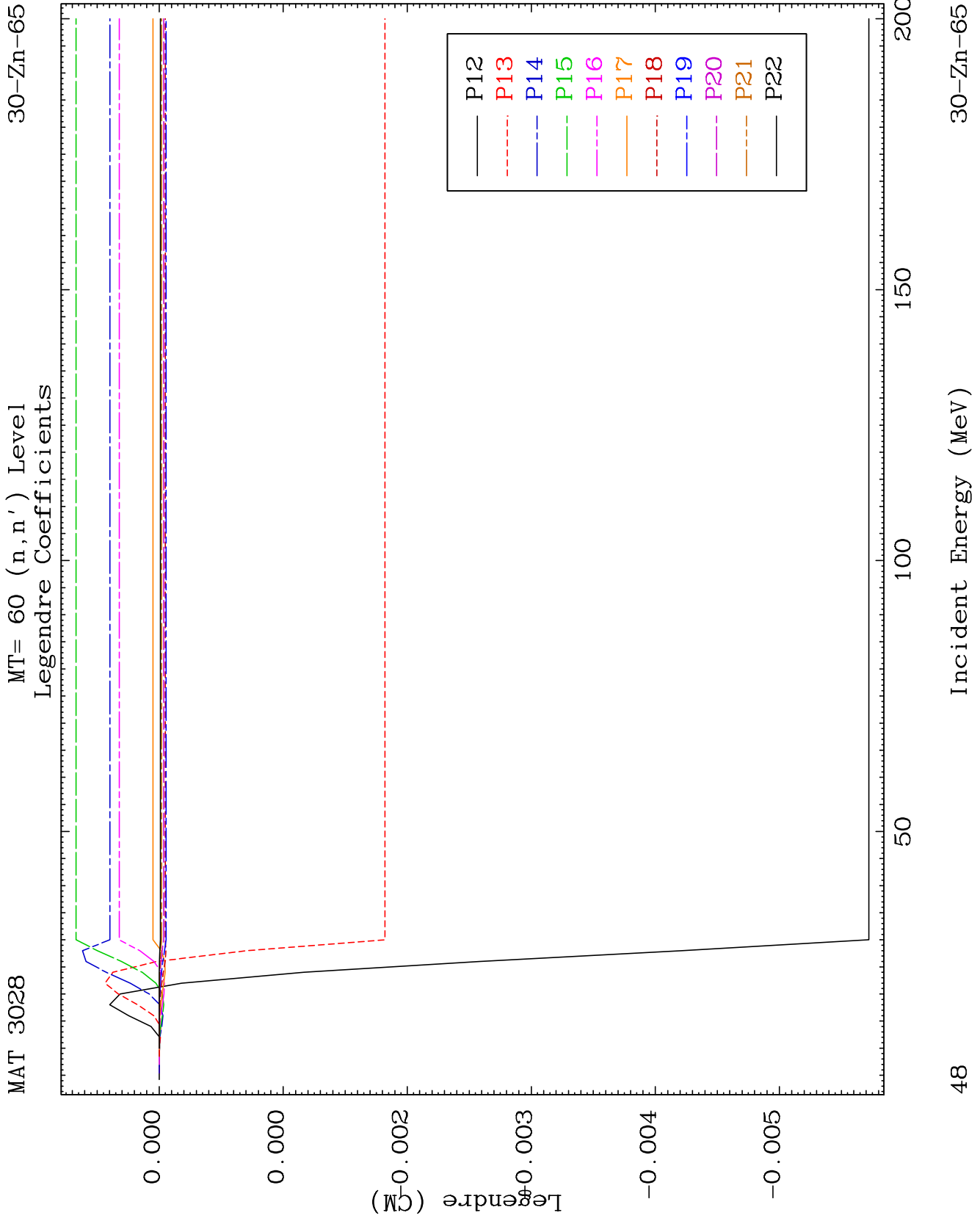
30-Zn-65



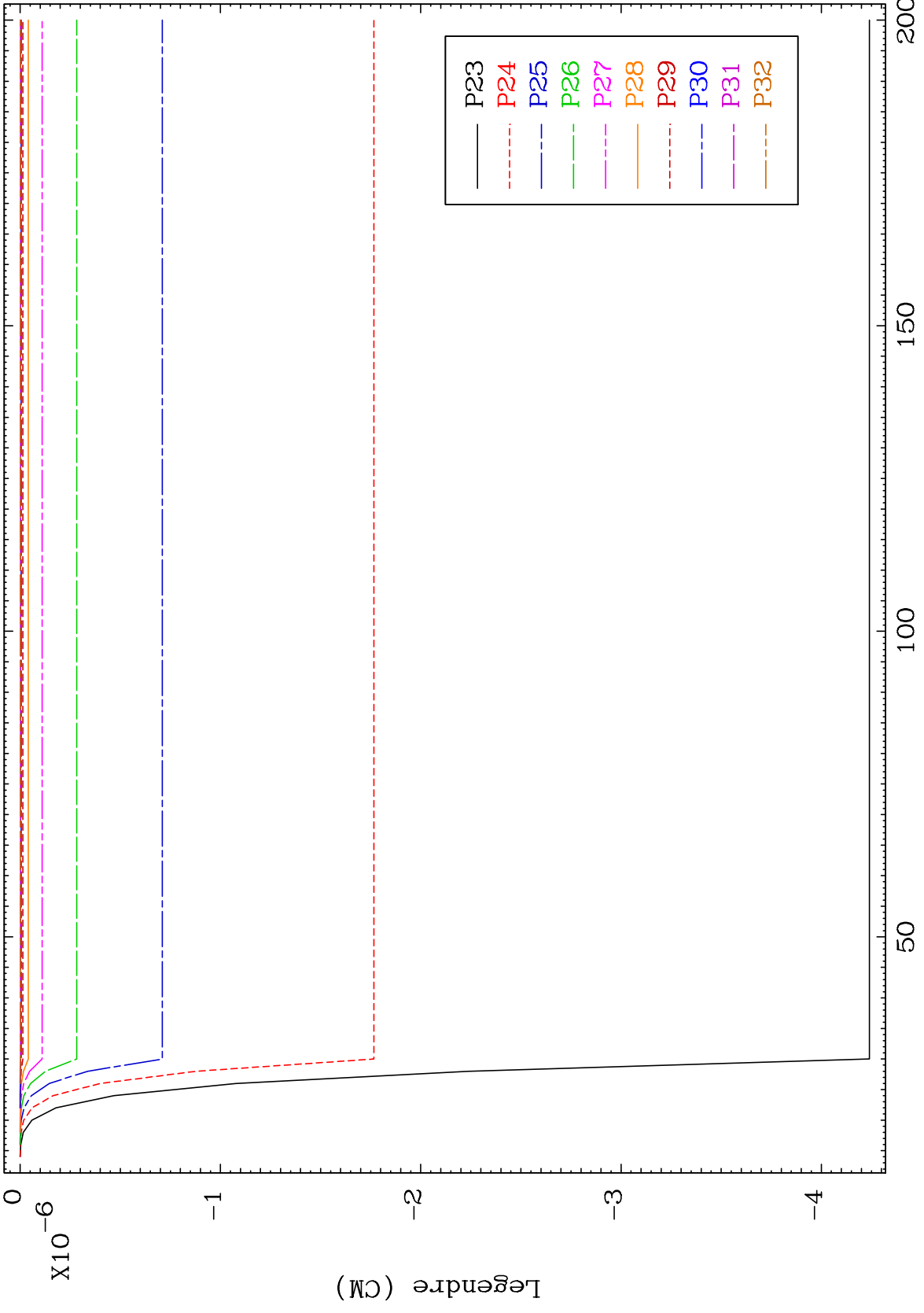
47

Incident Energy (MeV)

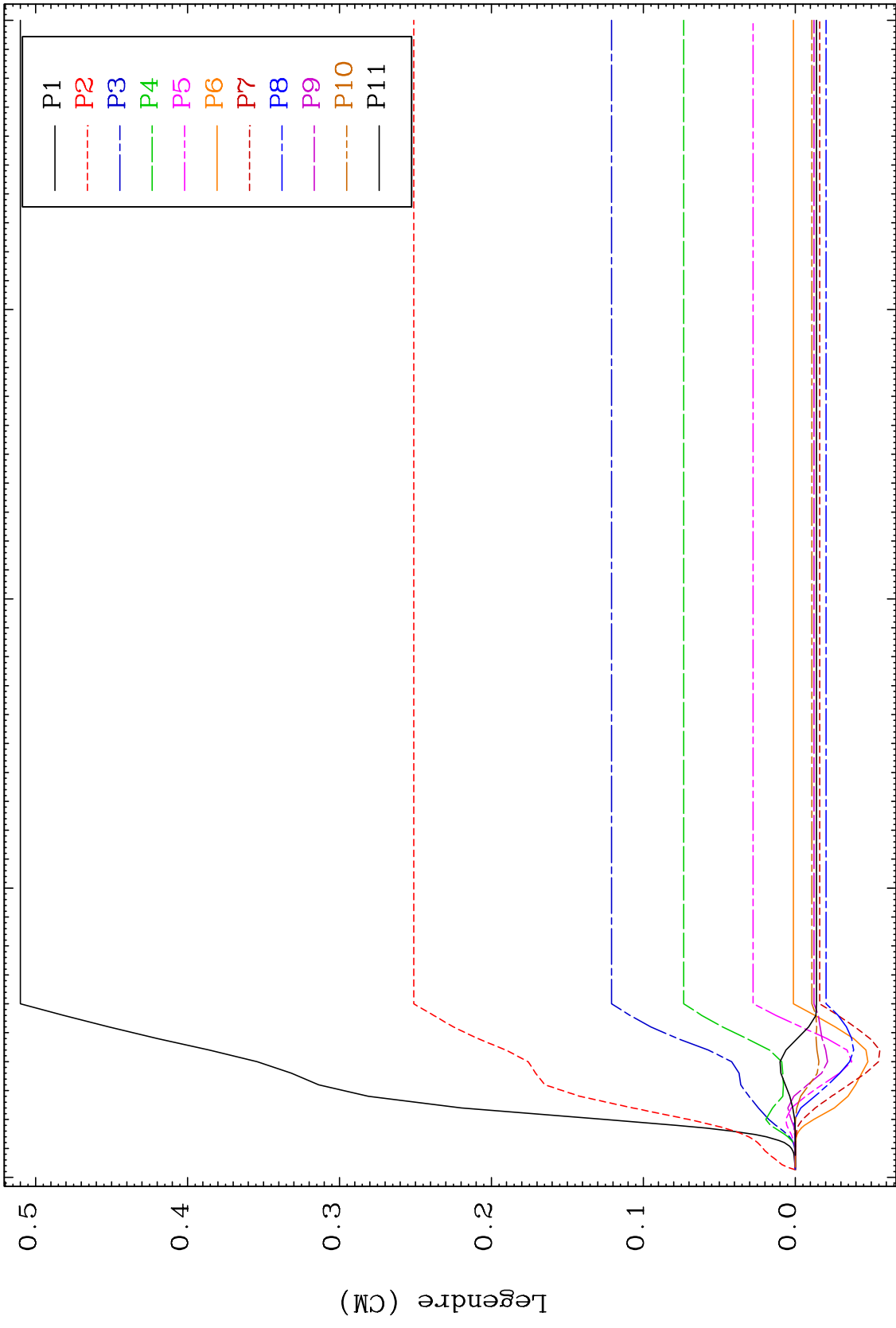
30-Zn-65



MAT 3028 MT= 60 (n,n') Level Legendre Coefficients 30-Zn-65

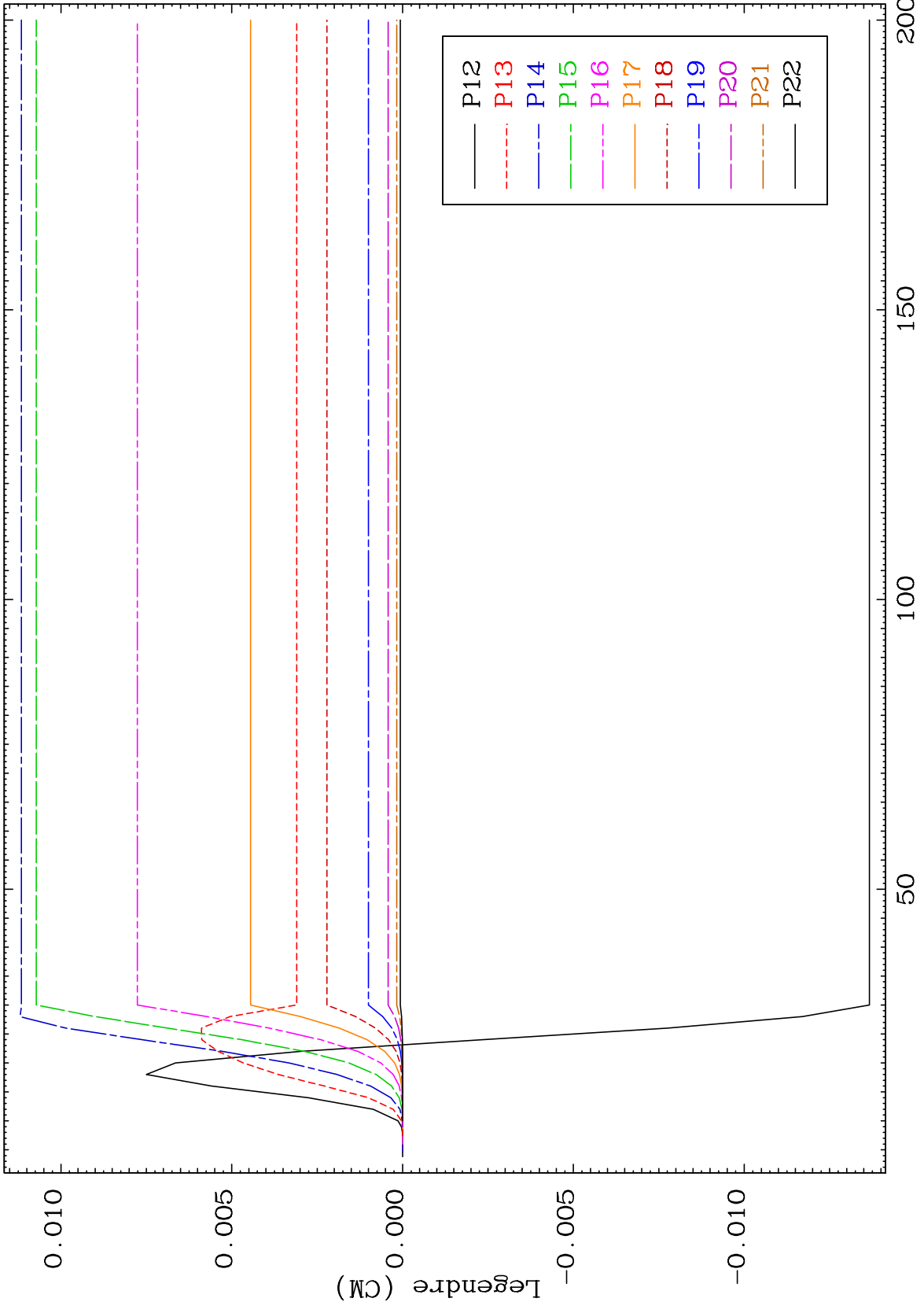


MAT 3028 MT= 61 (n,n') Level Legendre Coefficients 30-Zn-65

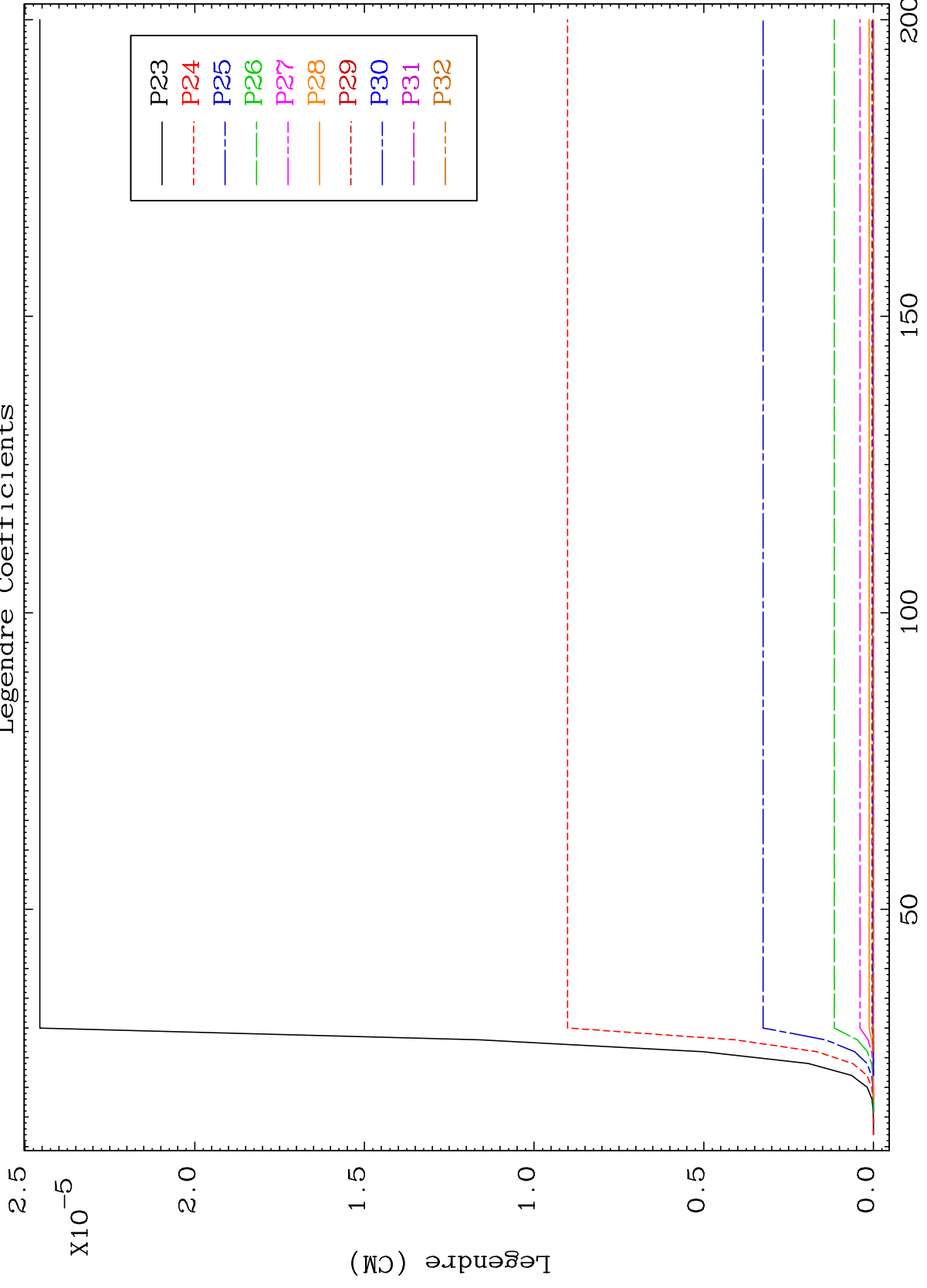


Incident Energy (MeV) 30-Zn-65

MAT 3028 MT= 61 (n,n') Level Legendre Coefficients 30-Zn-65



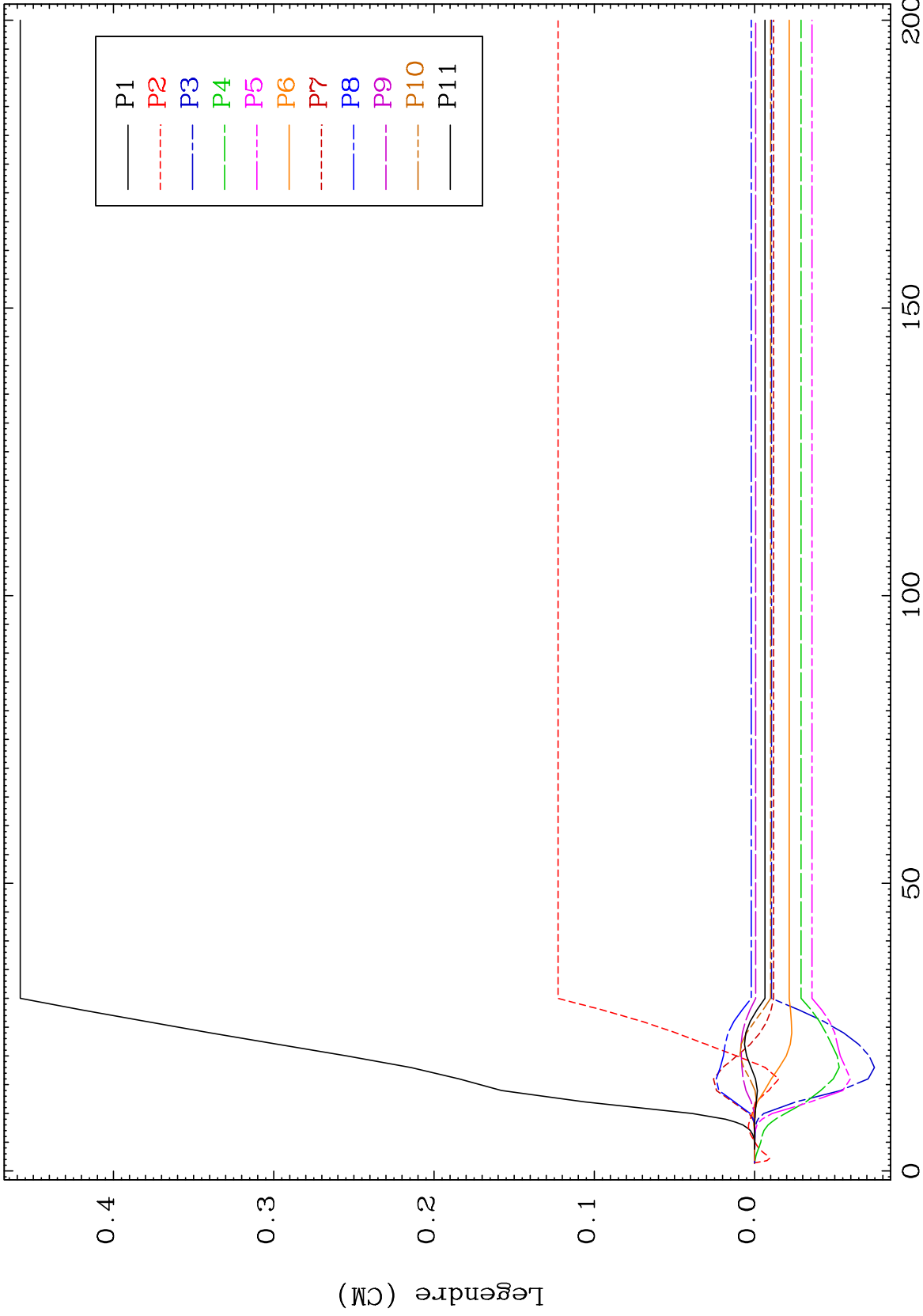
MAT 3028 MT= 61 (n,n') Level Legendre Coefficients 30-Zn-65



MAT 3028

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

30-Zn-65



53

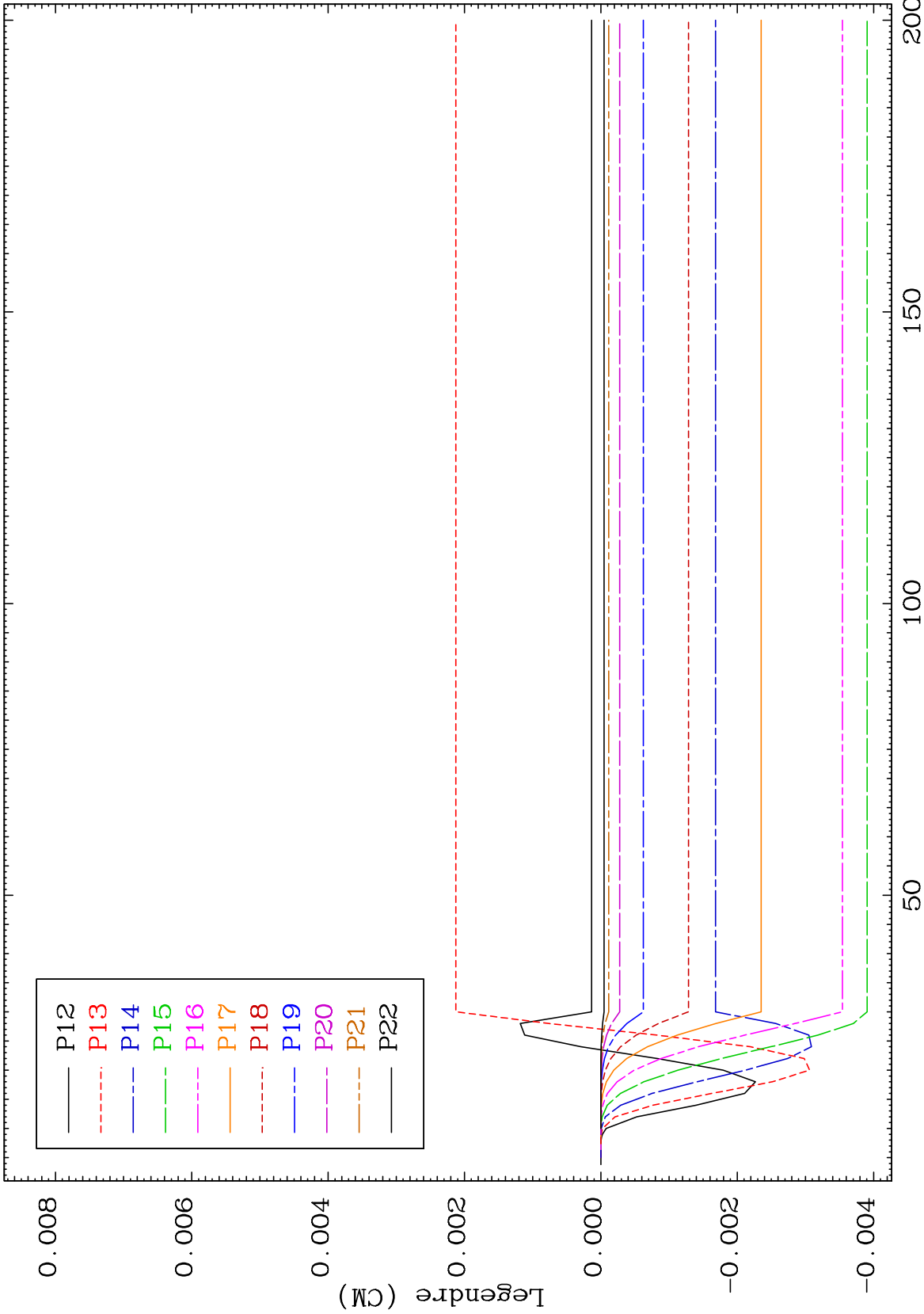
Incident Energy (MeV)

30-Zn-65

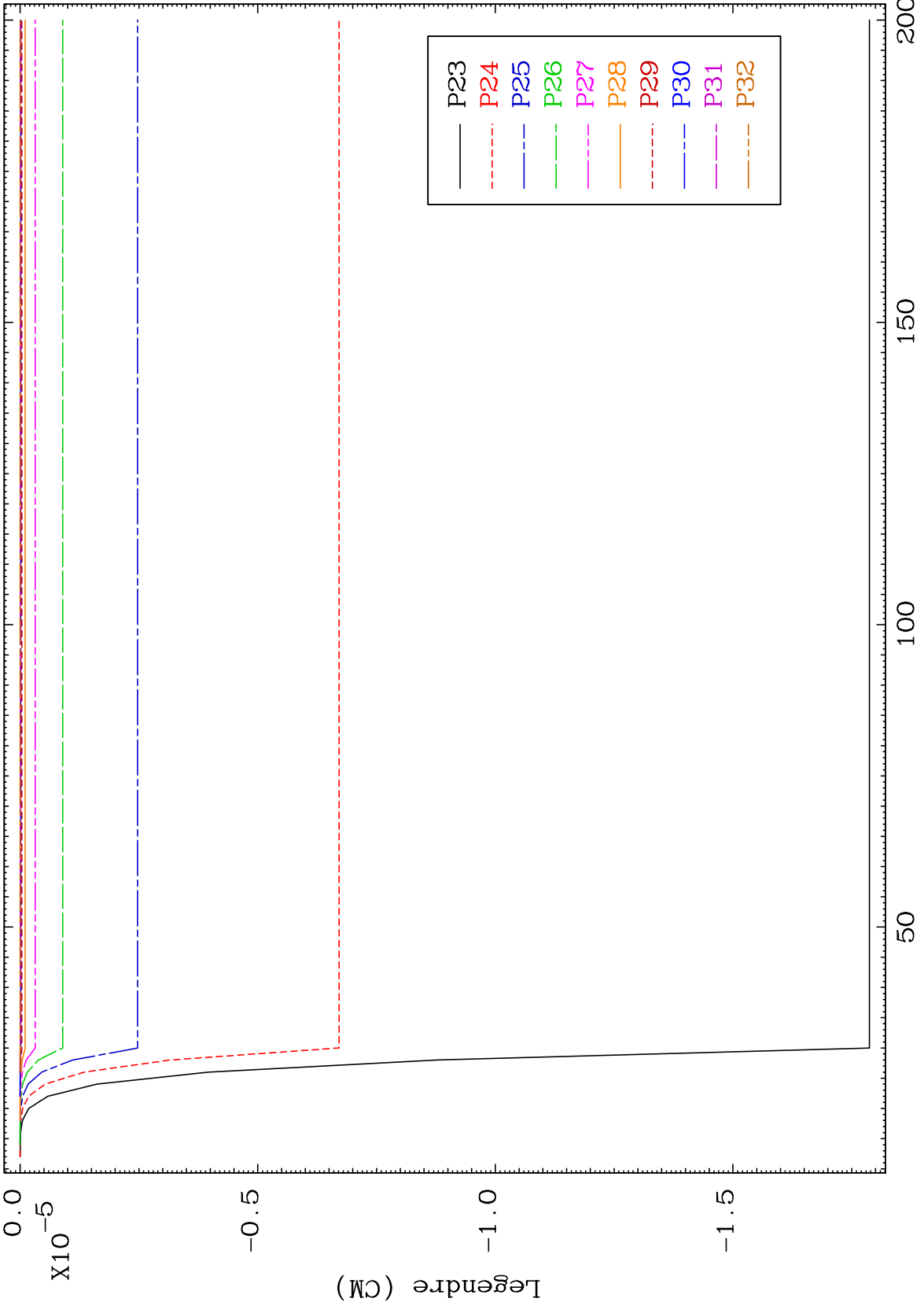
MAT 3028

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

30-Zn-65

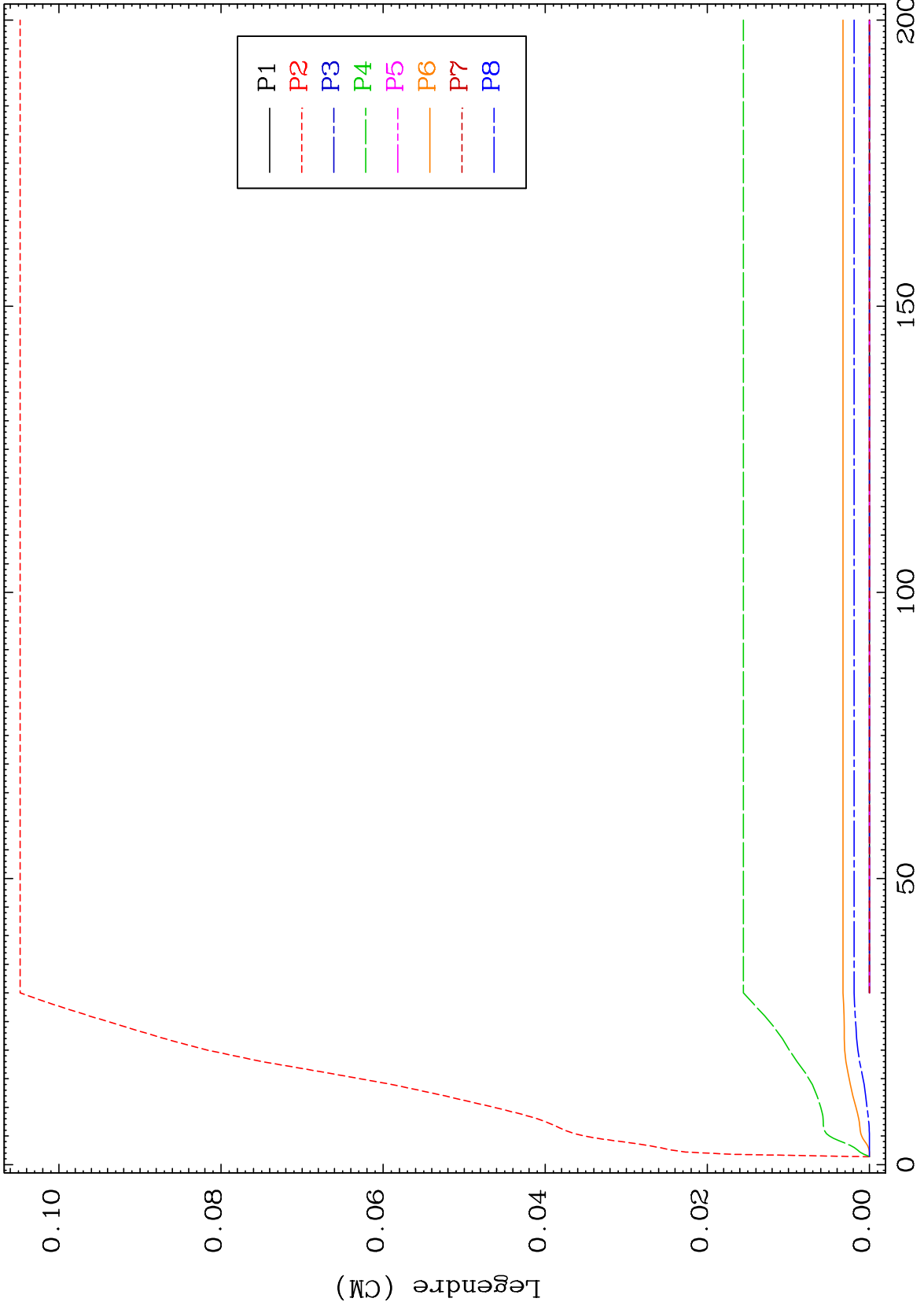


MAT 3028 MT= 62 (n,n') Level Legendre Coefficients 30-Zn-65



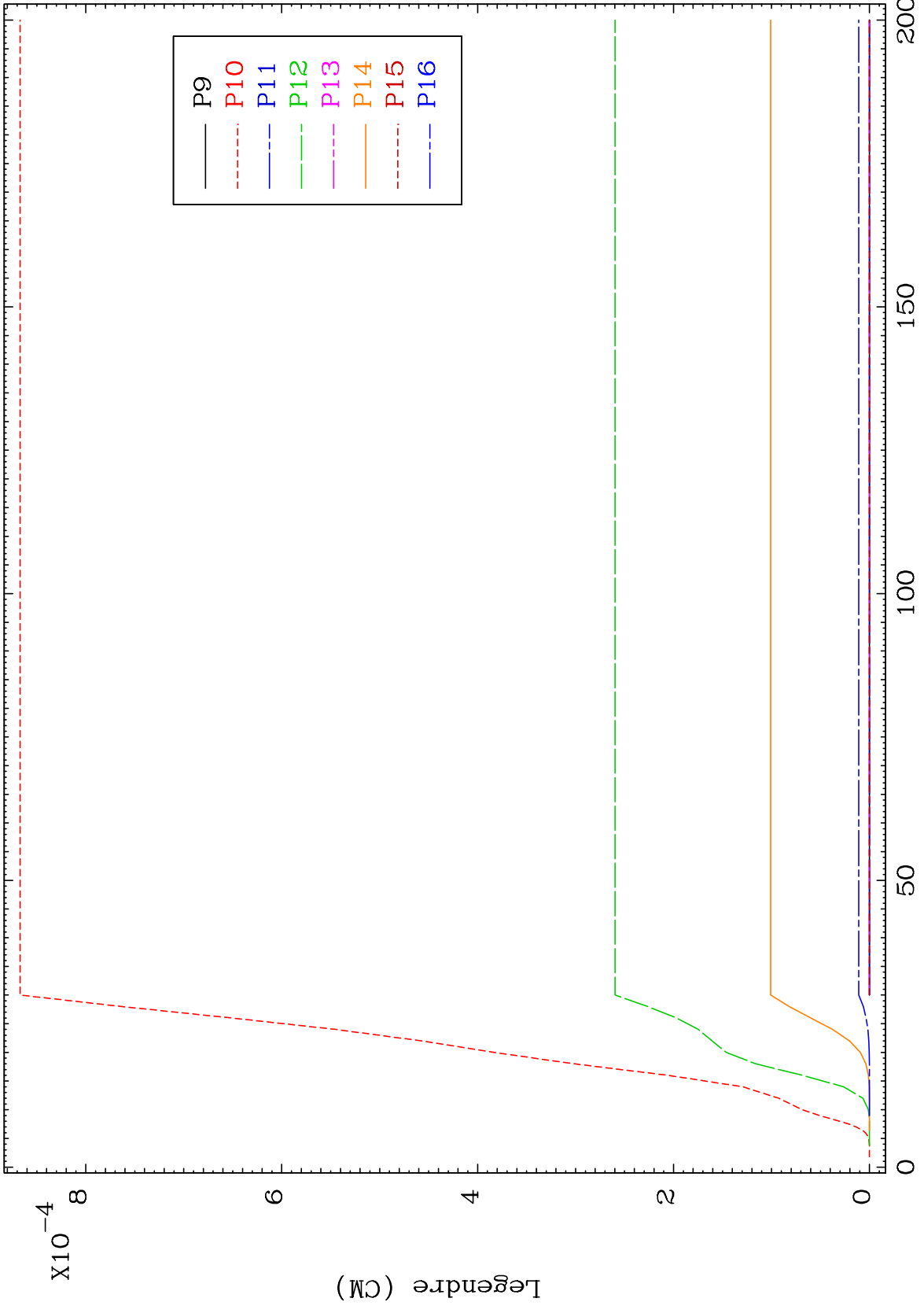
55 Incident Energy (MeV) 200 30-Zn-65

MAT 3028 MT= 63 (n,n') Level Legendre Coefficients 30-Zn-65



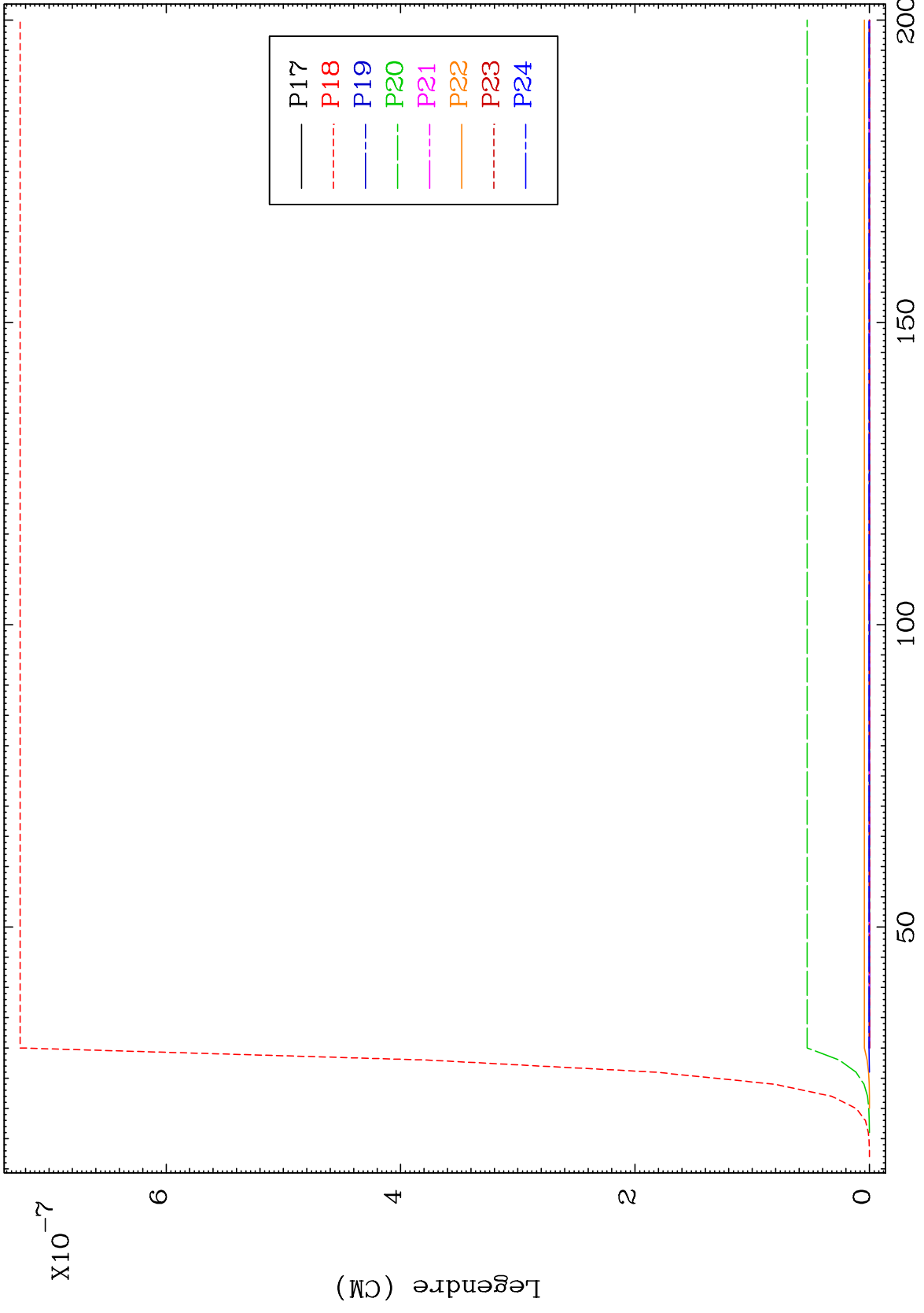
56 30-Zn-65

MAT 3028 MT= 63 (n,n') Level Legendre Coefficients 30-Zn-65



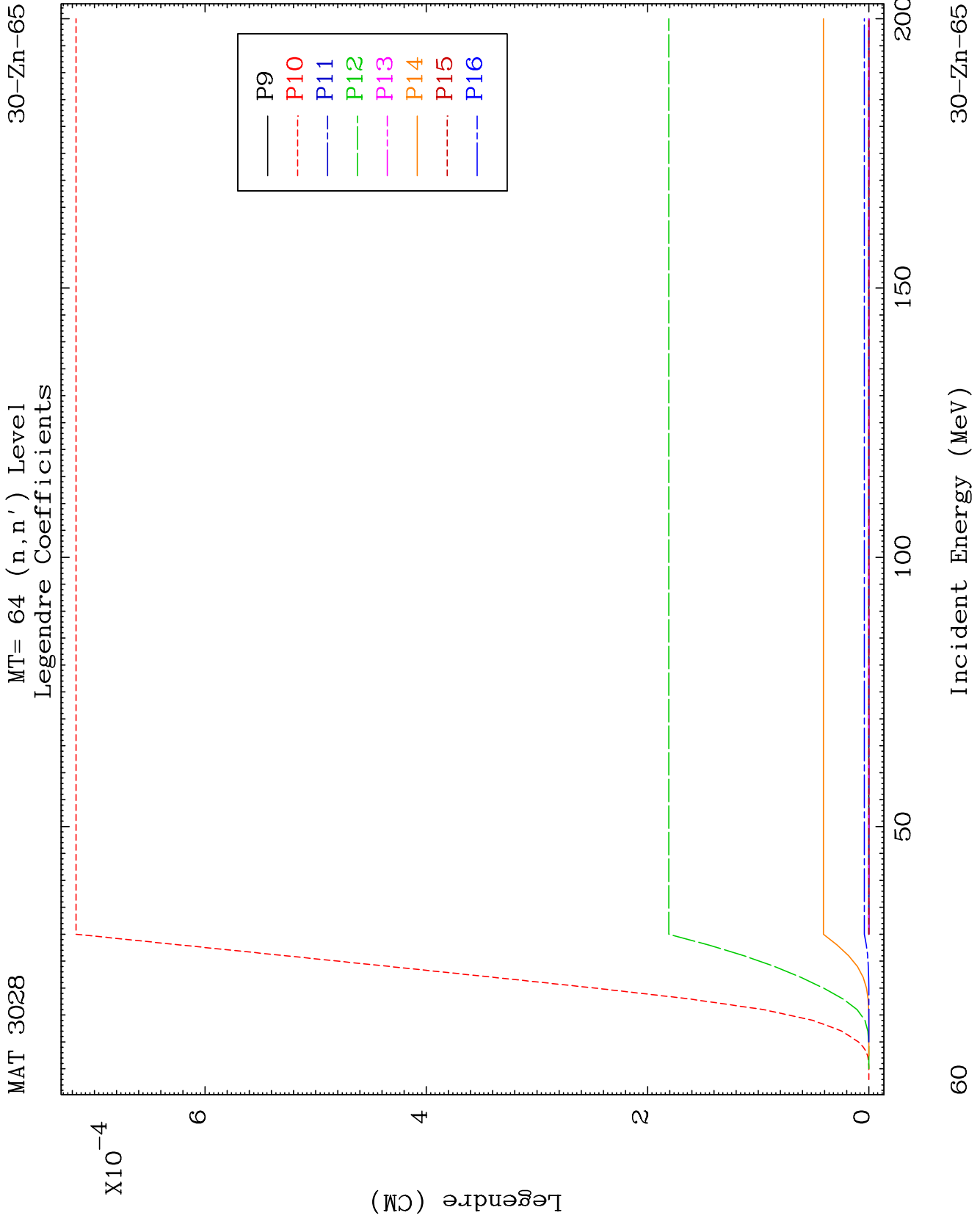
57 Incident Energy (MeV) 30-Zn-65

MAT 3028 MT= 63 (n,n') Level Legendre Coefficients 30-Zn-65

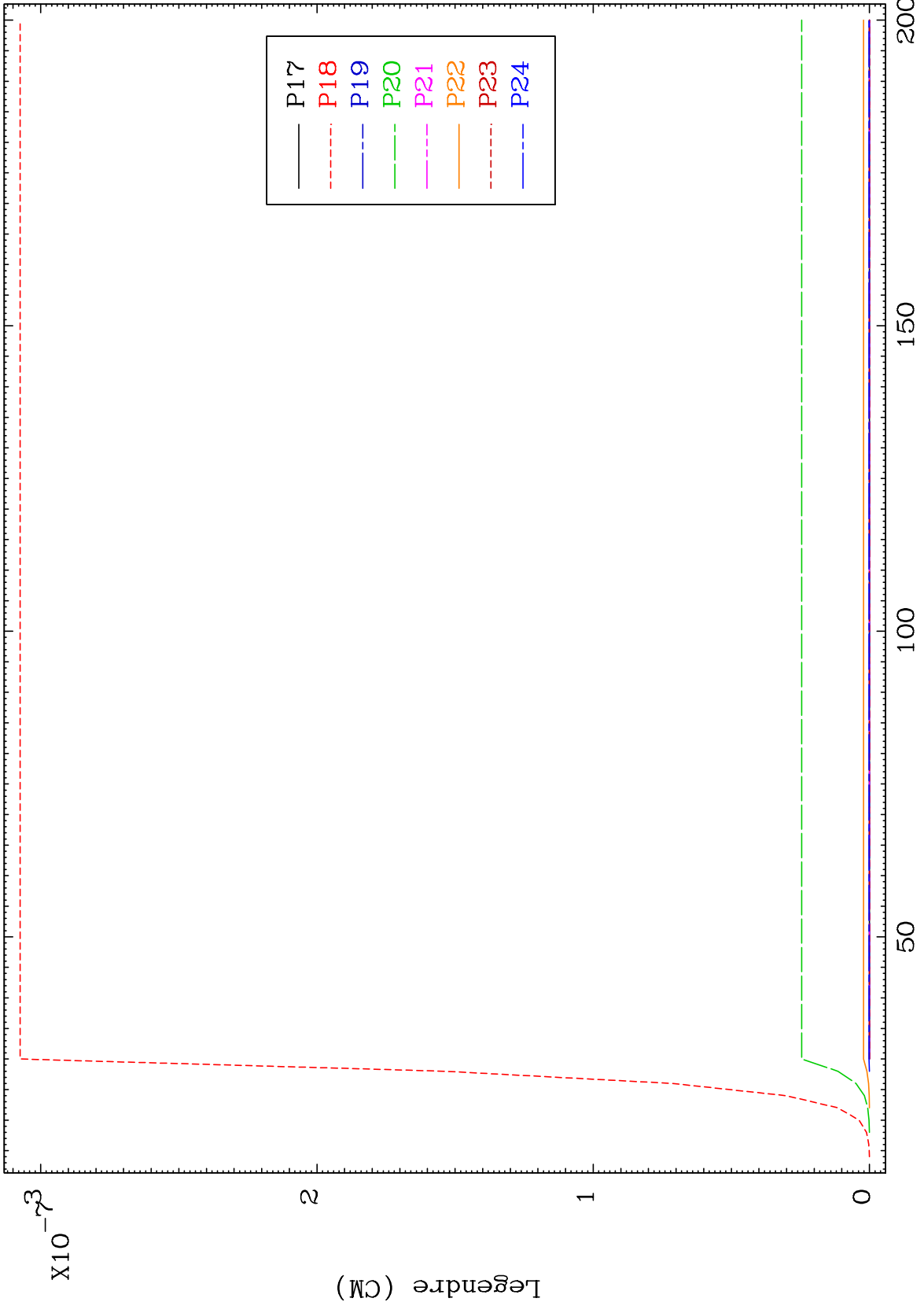


58 100 150 200 30-Zn-65



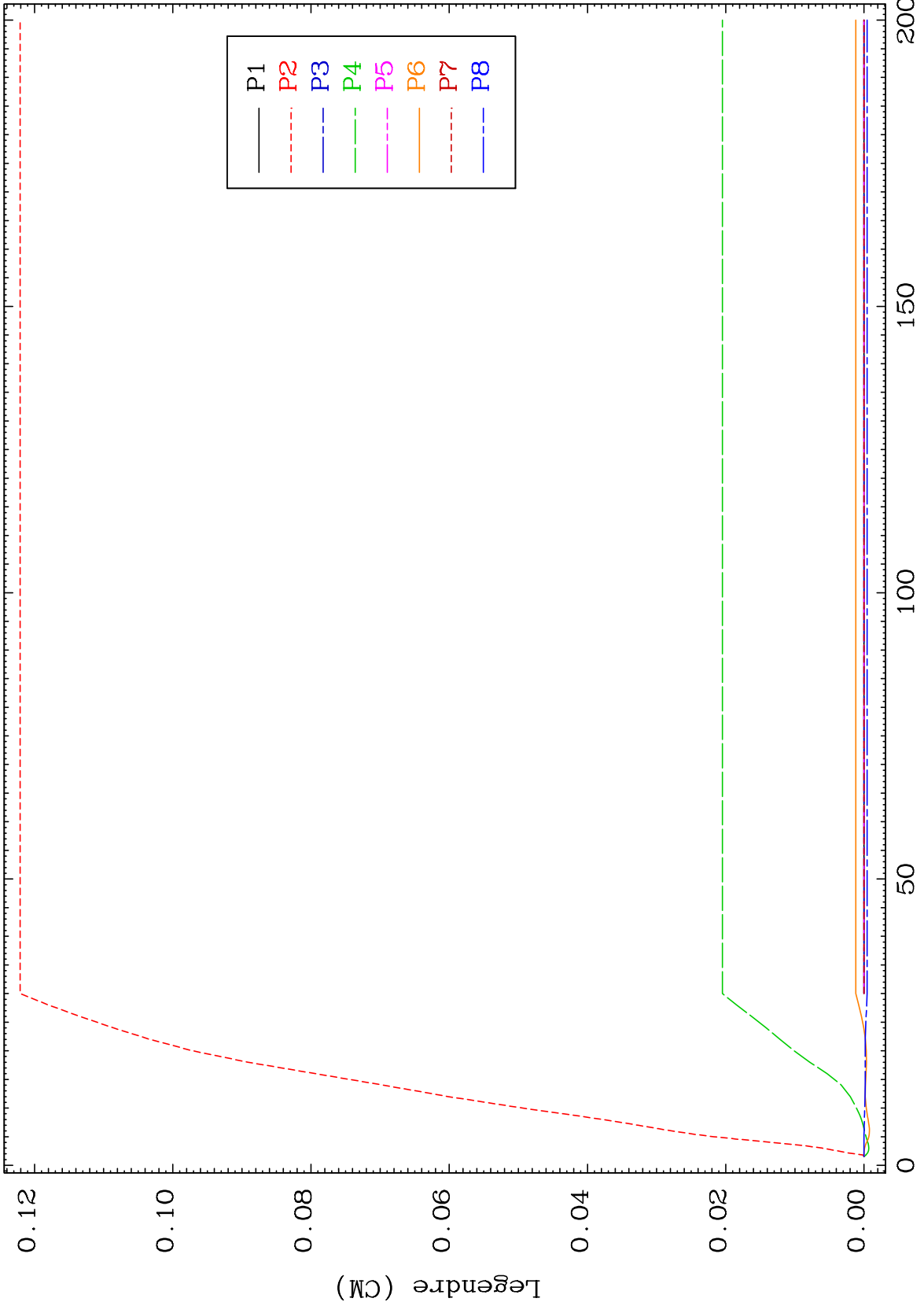


MAT 3028 MT= 64 (n,n') Level Legendre Coefficients 30-Zn-65



61 30-Zn-65

MAT 3028 MT= 65 (n,n') Level Legendre Coefficients 30-Zn-65

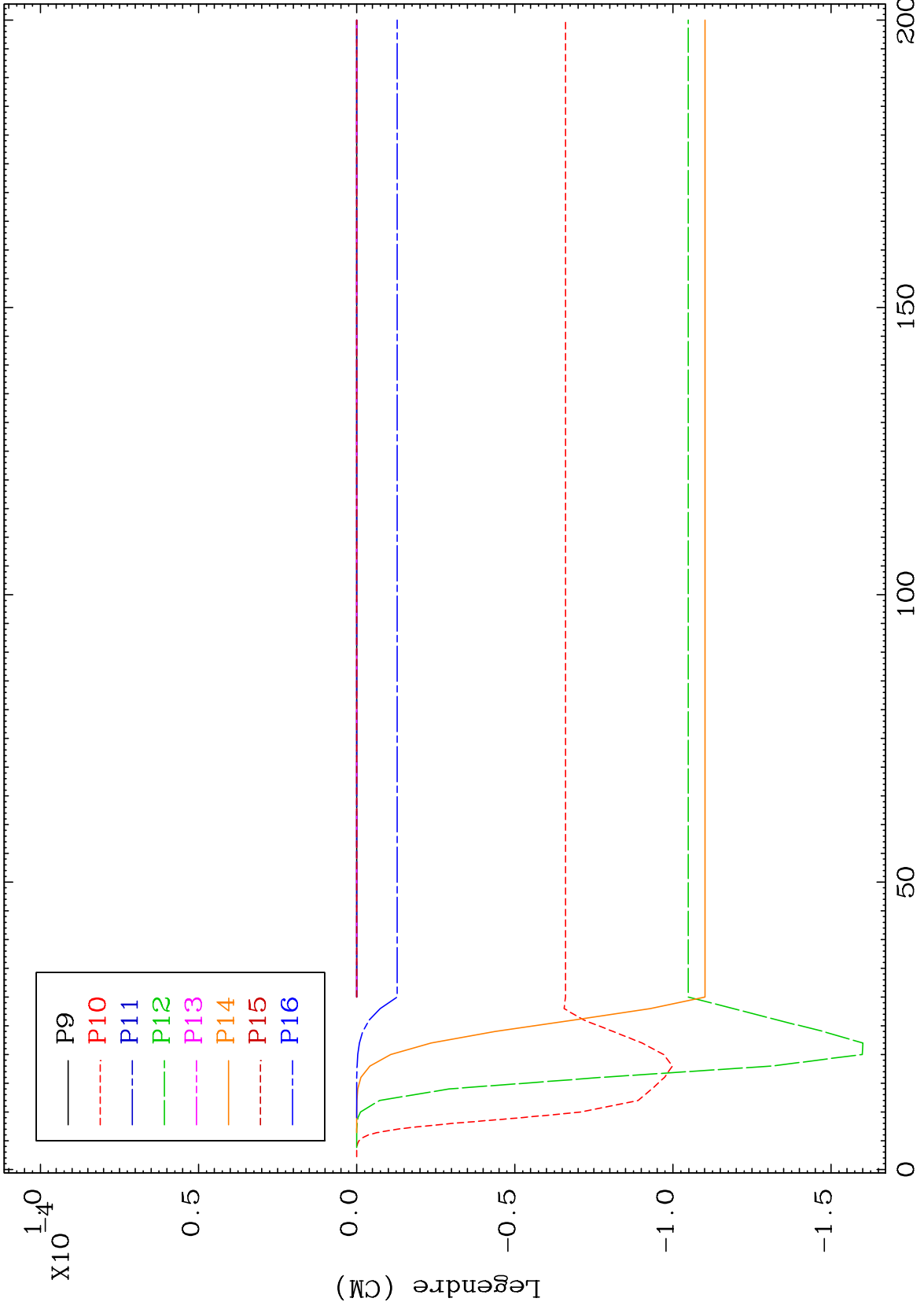


62 Incident Energy (MeV) 30-Zn-65

MAT 3028

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

30-Zn-65

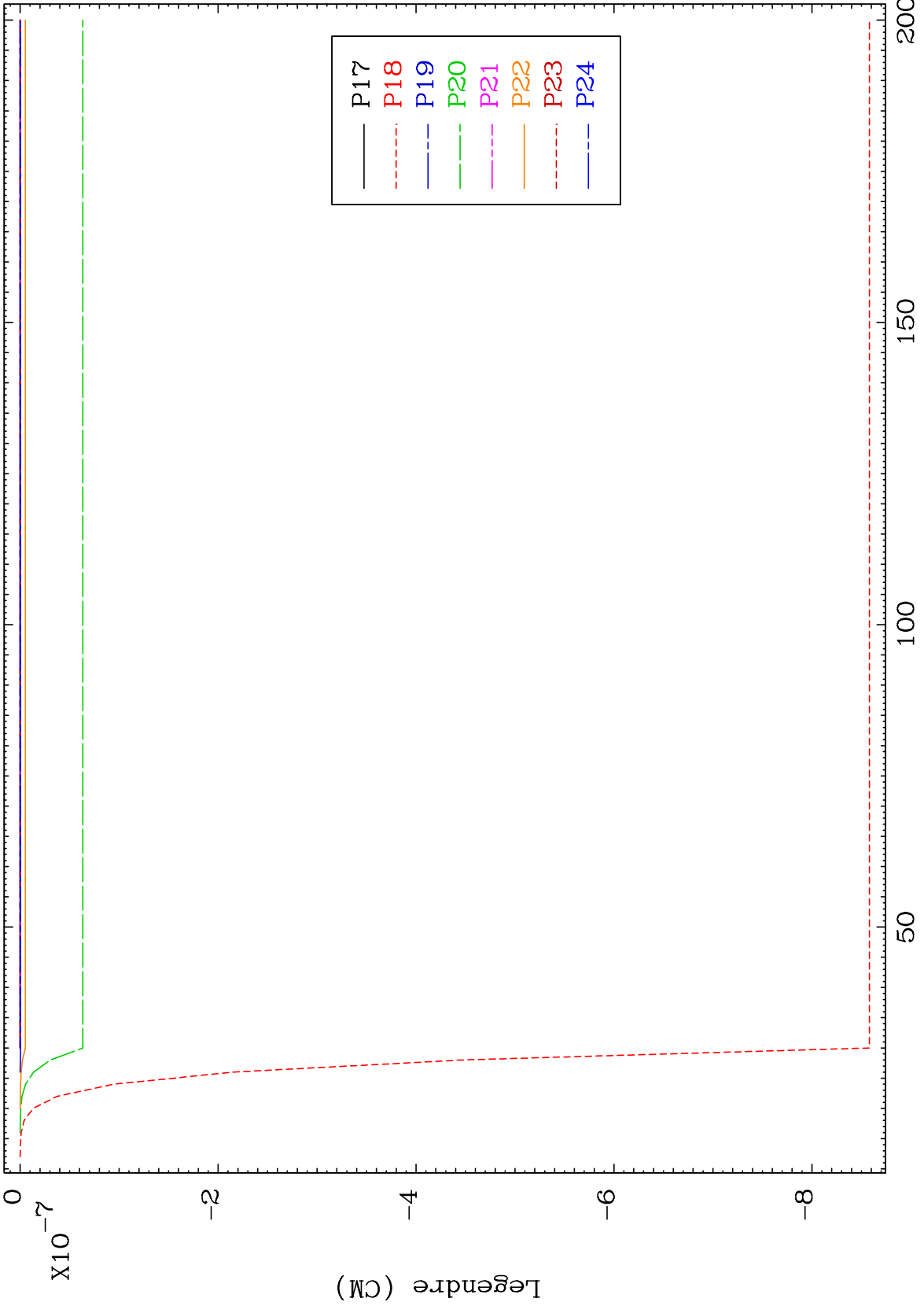


63

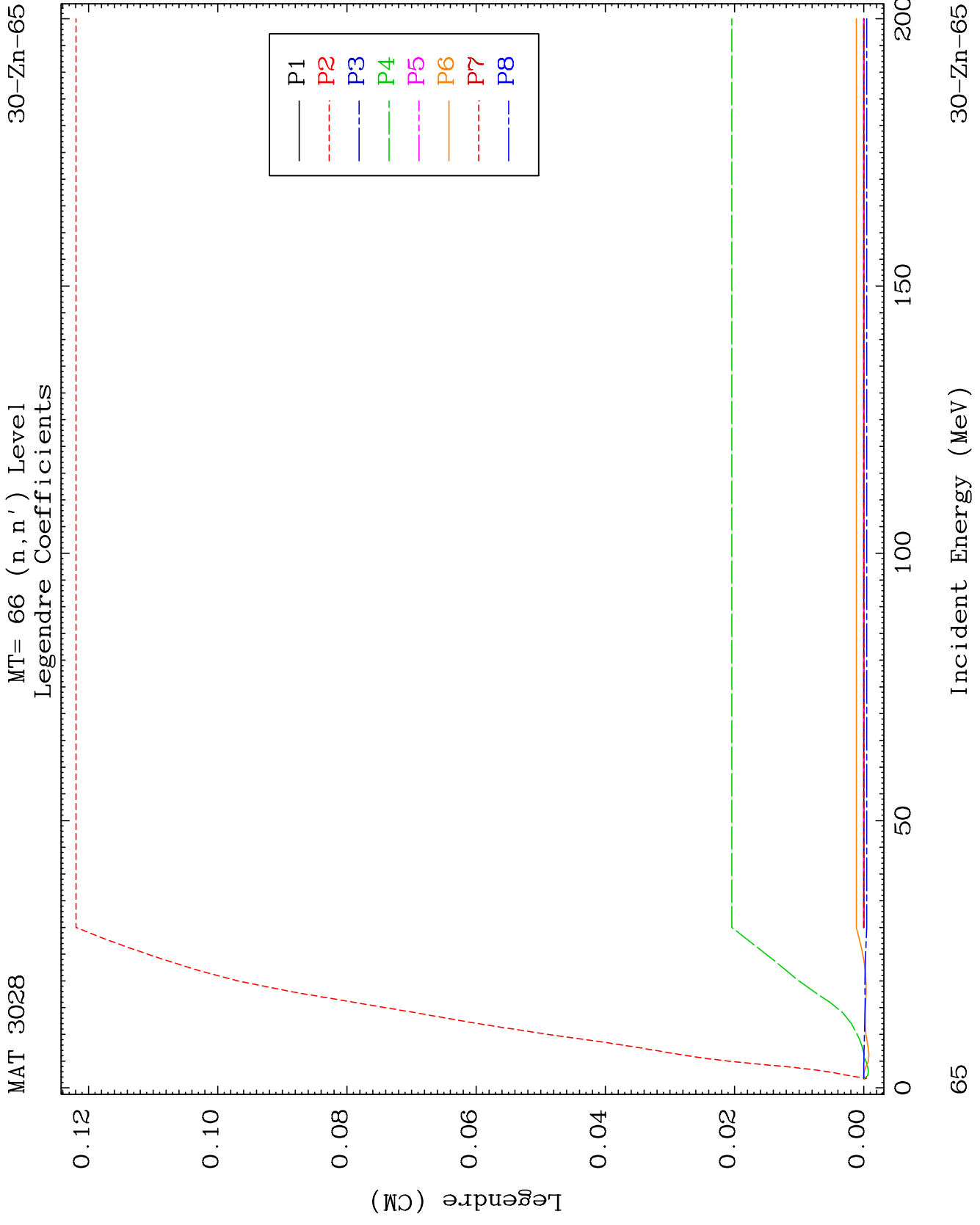
Incident Energy (MeV)

30-Zn-65

MAT 3028 MT= 65 (n,n') Level Legendre Coefficients 30-Zn-65



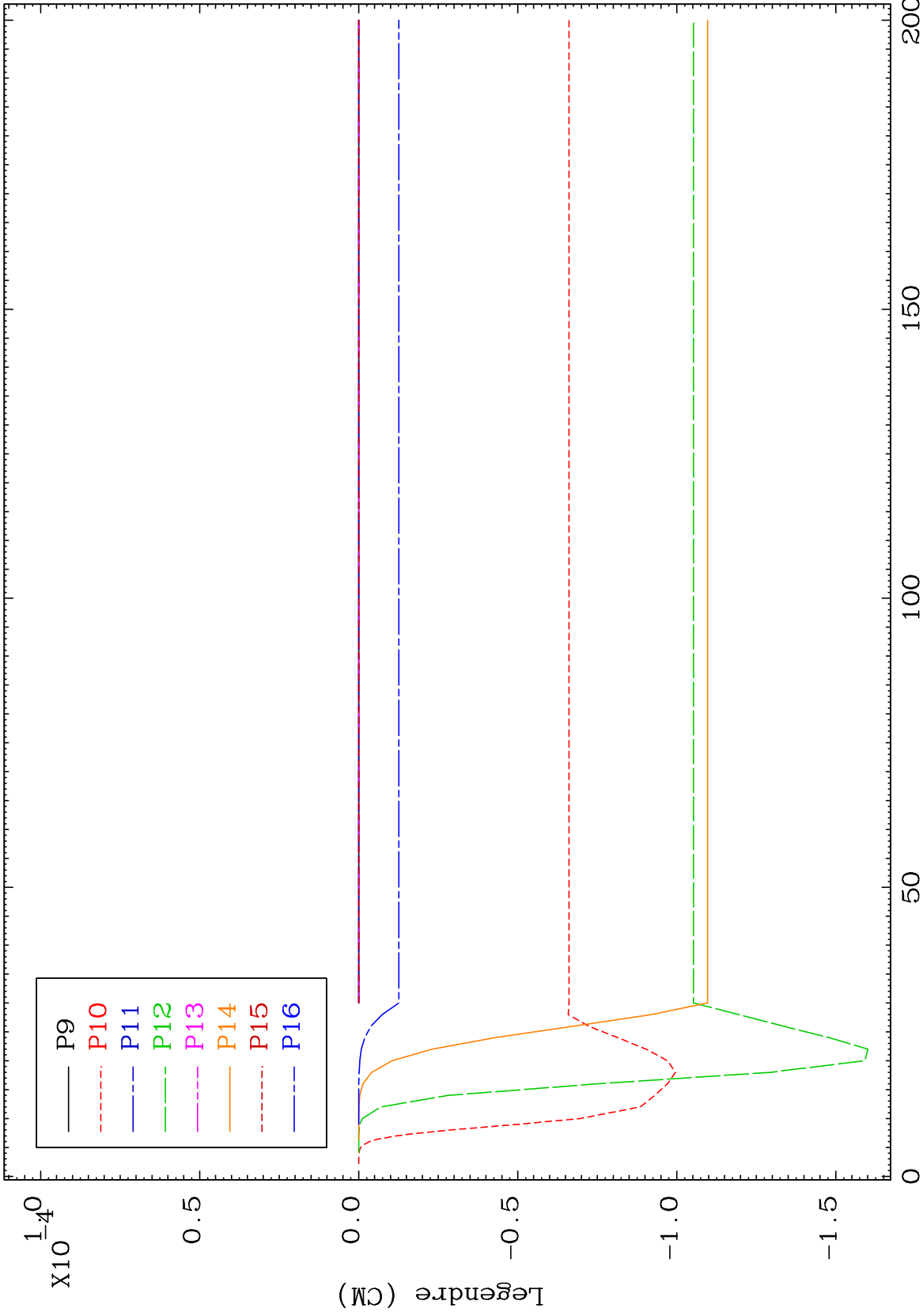
64 30-Zn-65



MAT 3028

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

30-Zn-65

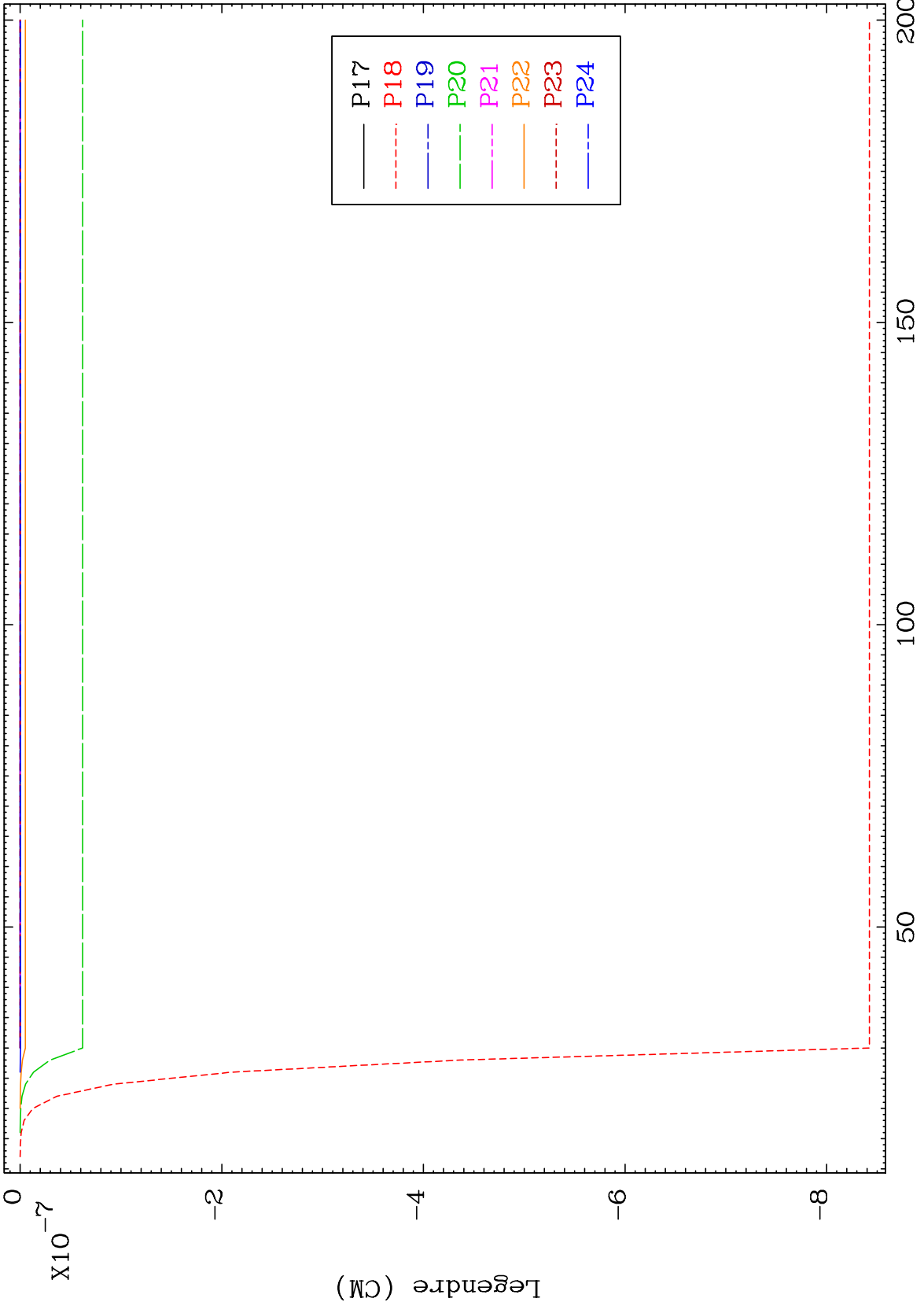


66

Incident Energy (MeV)

30-Zn-65

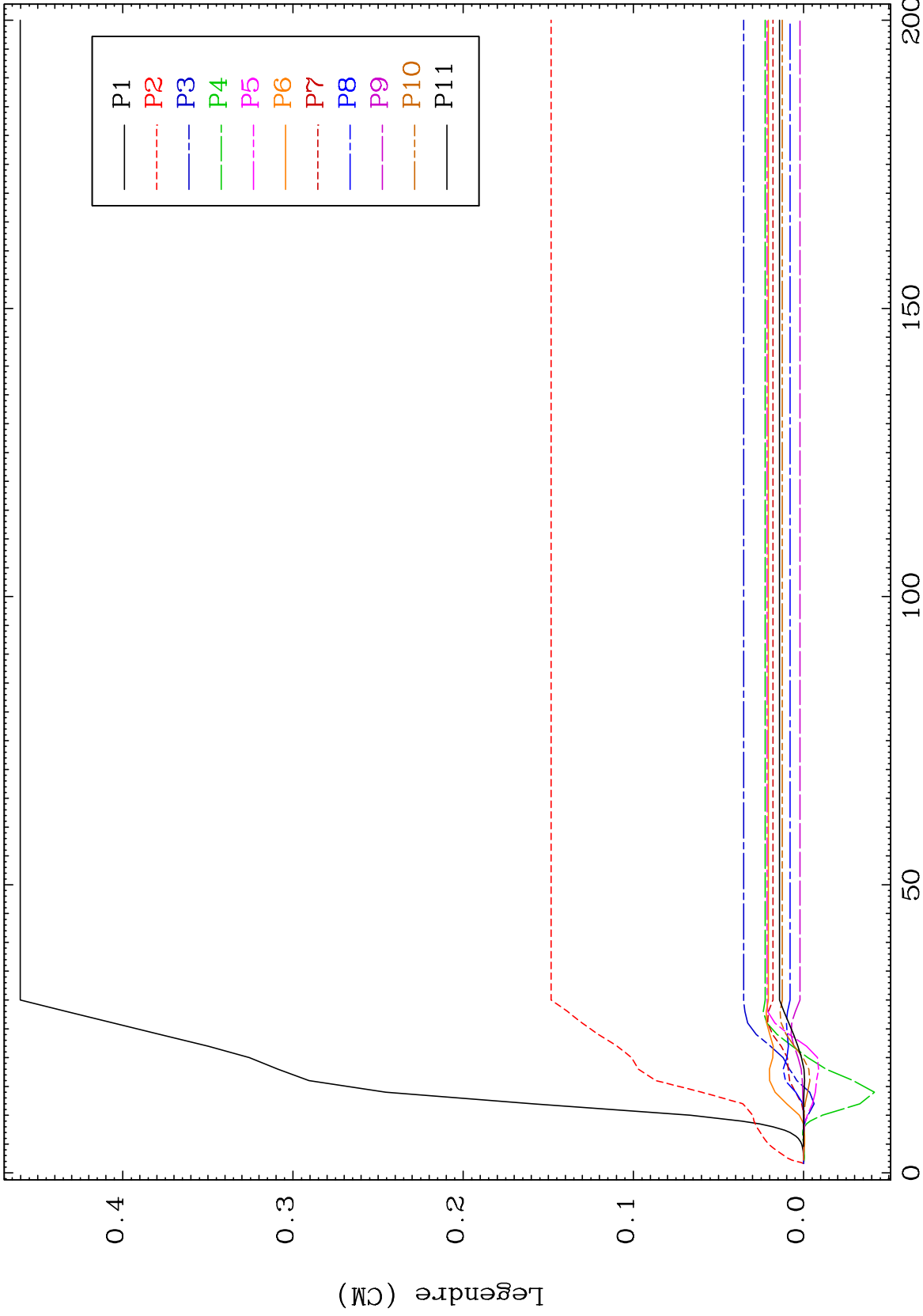
MAT 3028 MT= 66 (n,n') Level Legendre Coefficients 30-Zn-65



MAT 3028

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

30-Zn-65



68

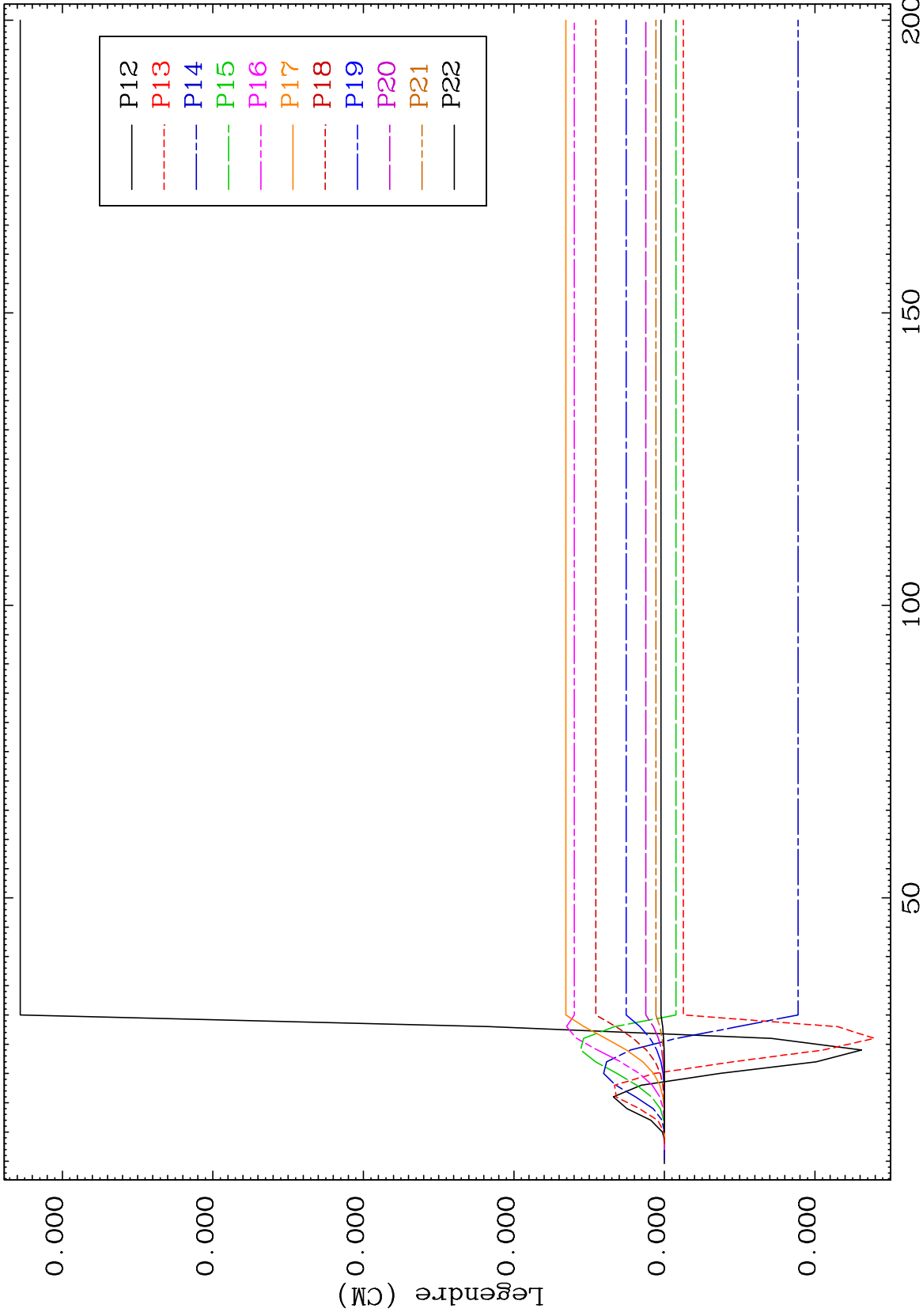
Incident Energy (MeV)

30-Zn-65

MAT 3028

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

30-Zn-65



69

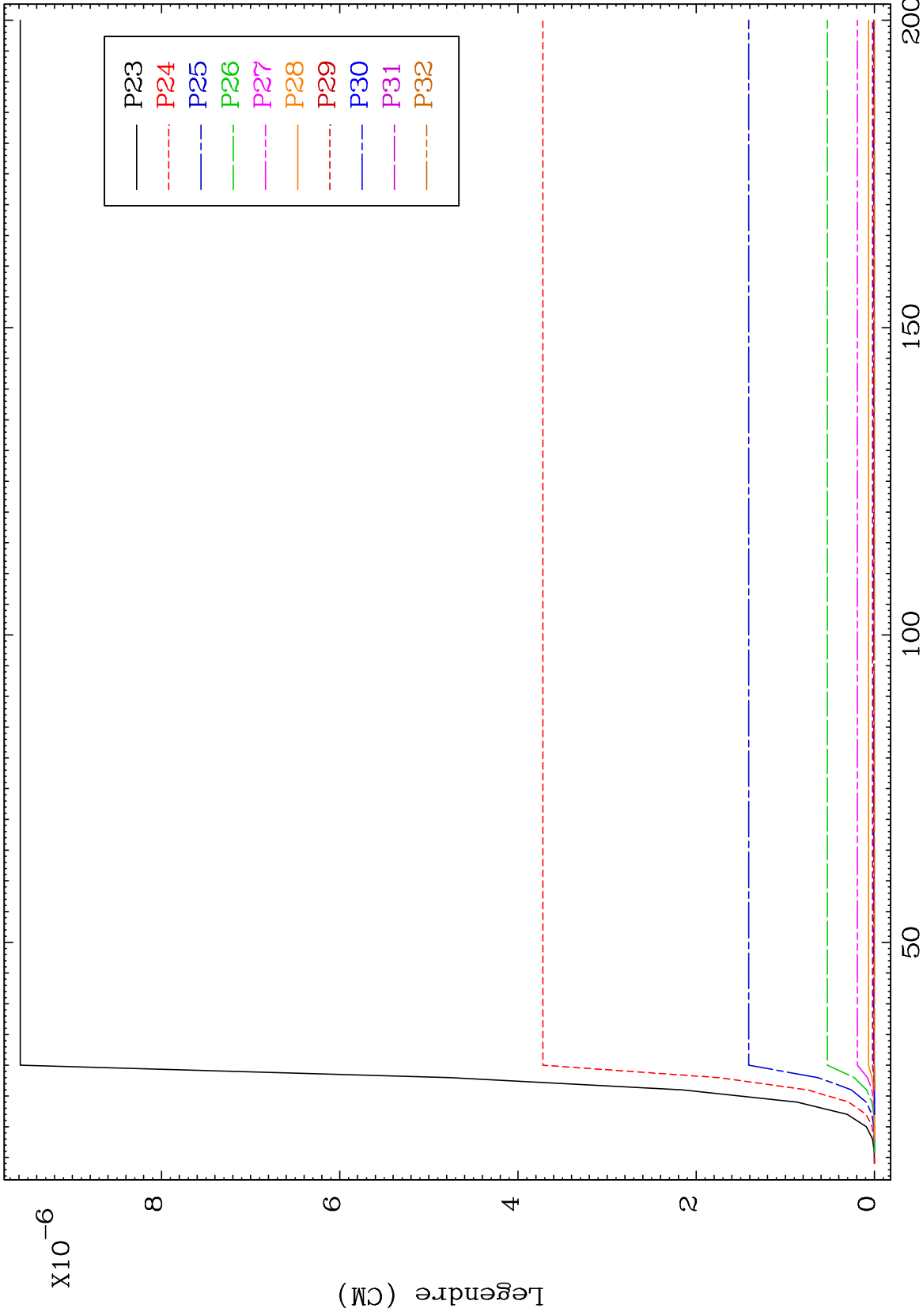
Incident Energy (MeV)

30-Zn-65

MAT 3028

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

30-Zn-65

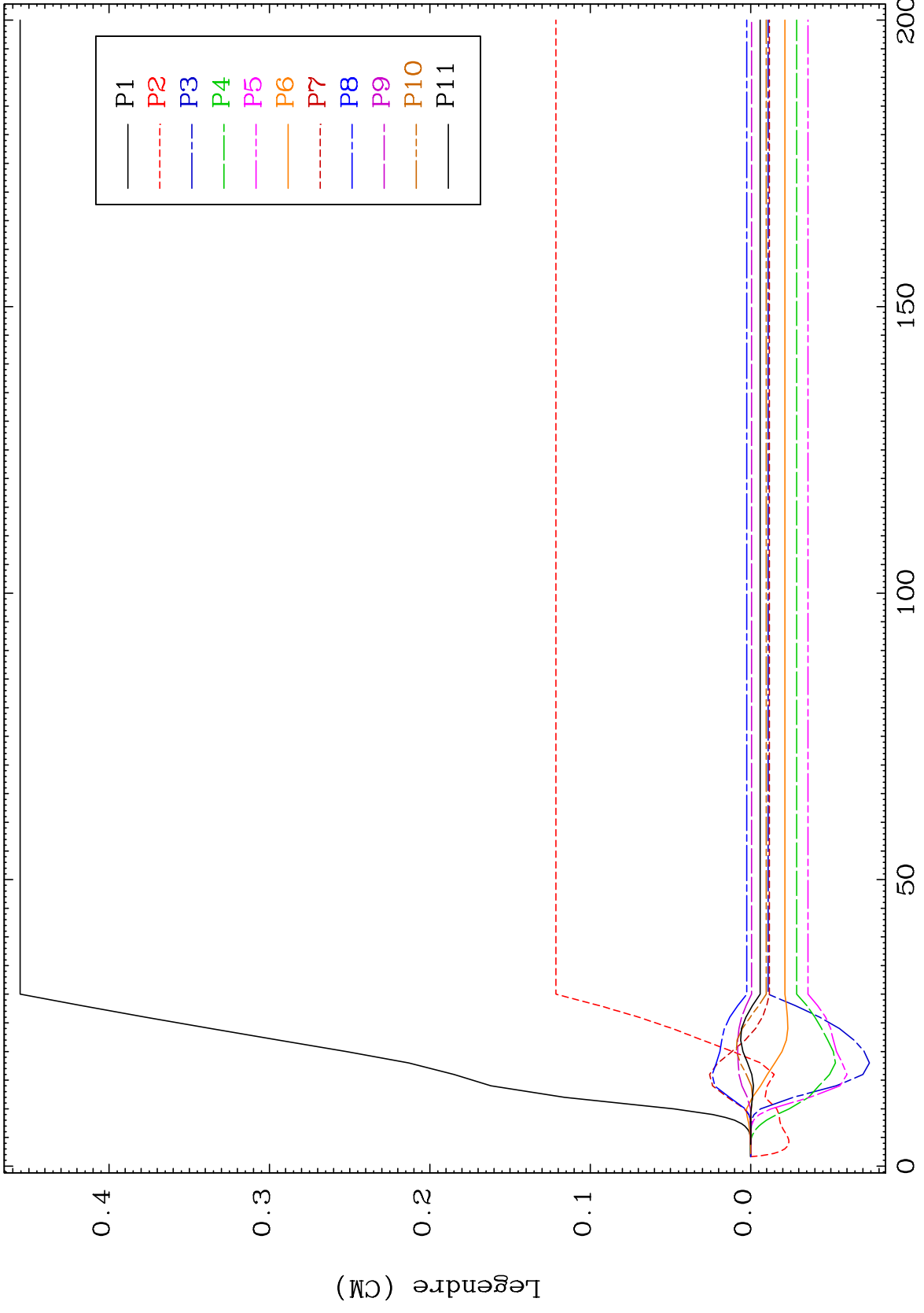


70

Incident Energy (MeV)

30-Zn-65

MAT 3028 MT= 68 (n,n') Level Legendre Coefficients 30-Zn-65

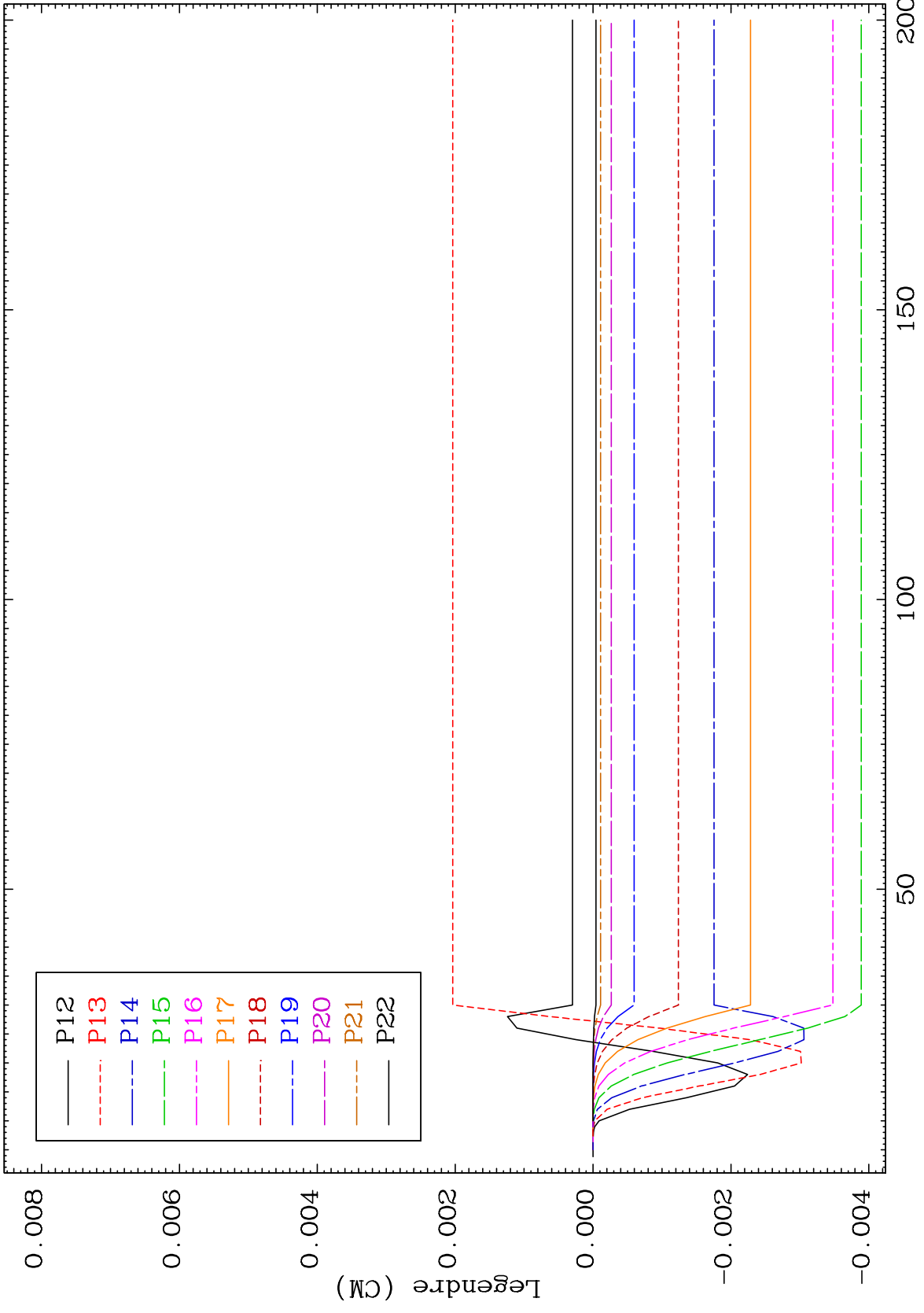


71 30-Zn-65

MAT 3028

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

30-Zn-65

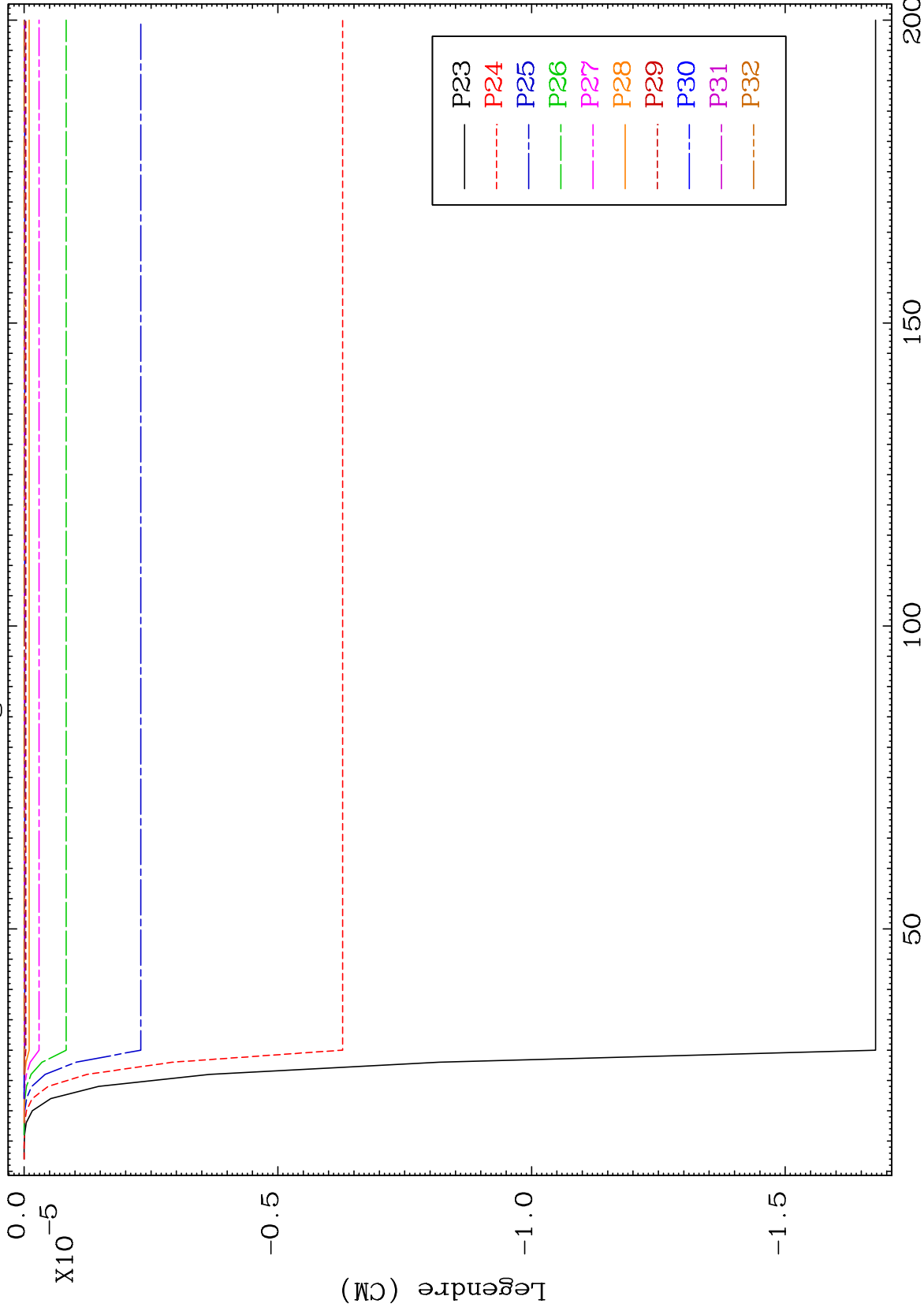


72

30-Zn-65

MAT 3028 MT= 68 (n,n') Level 30-Zn-65

Legendre Coefficients

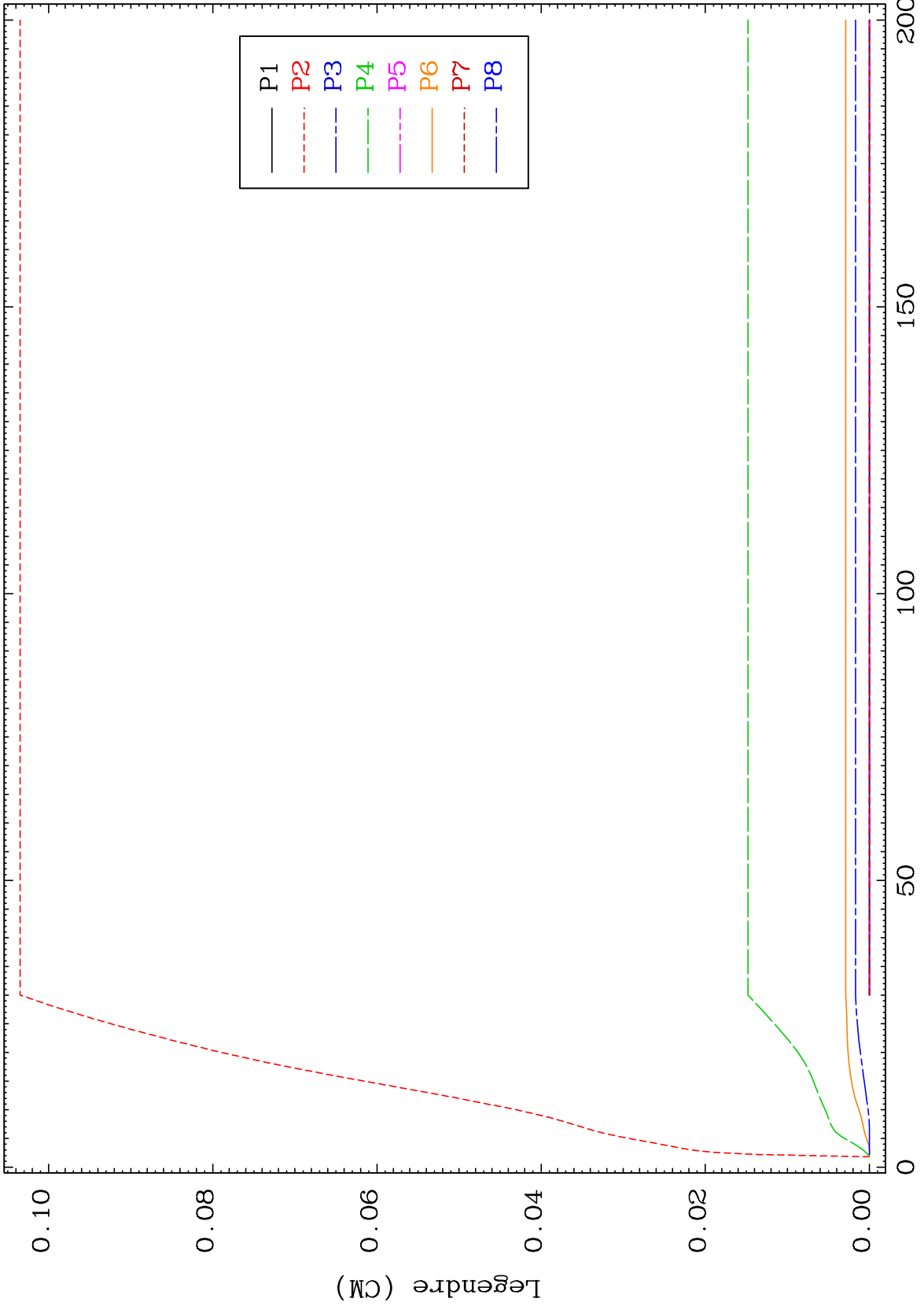


73

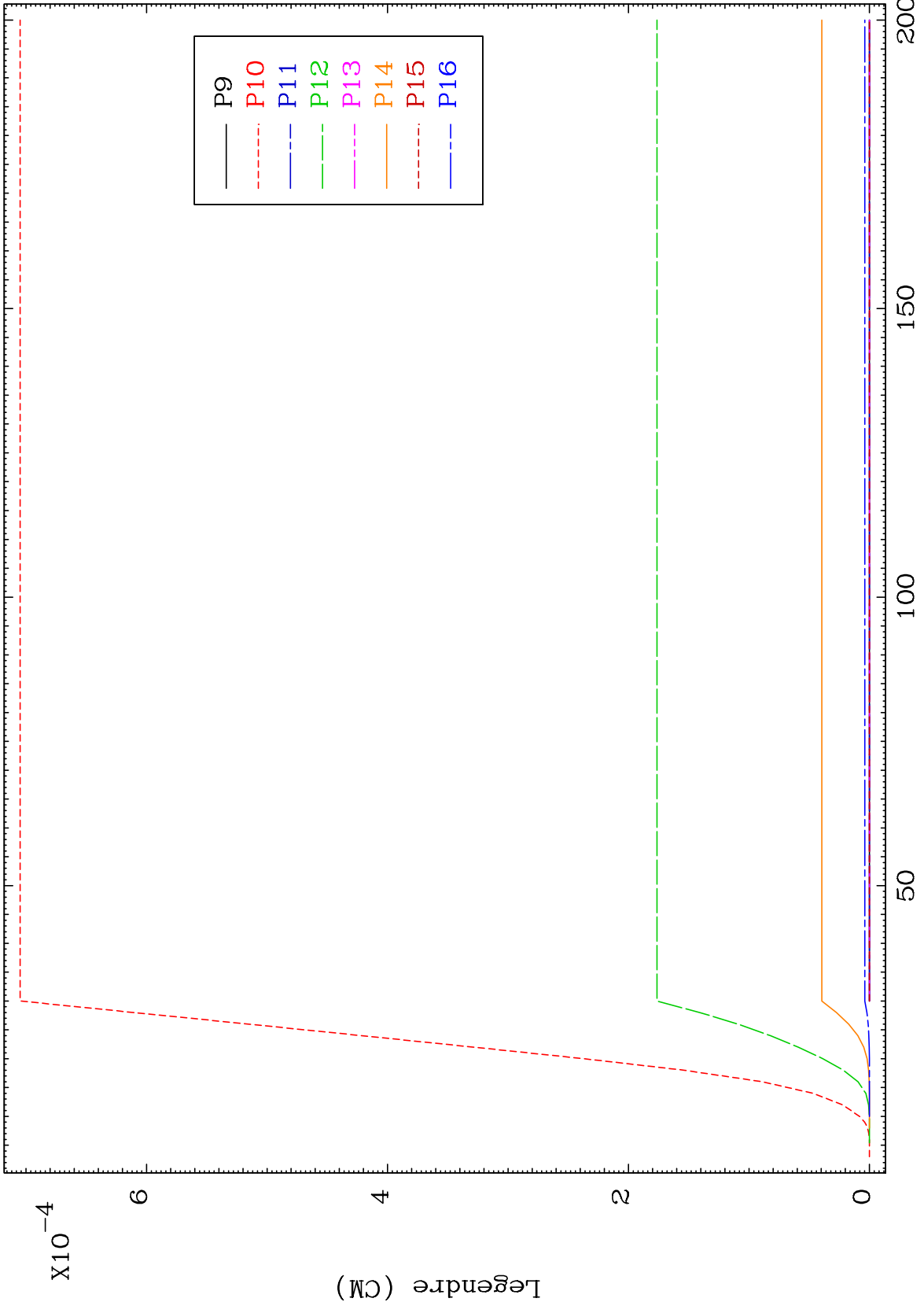
Incident Energy (MeV)

30-Zn-65

MAT 3028 MT= 69 (n,n') Level Legendre Coefficients 30-Zn-65

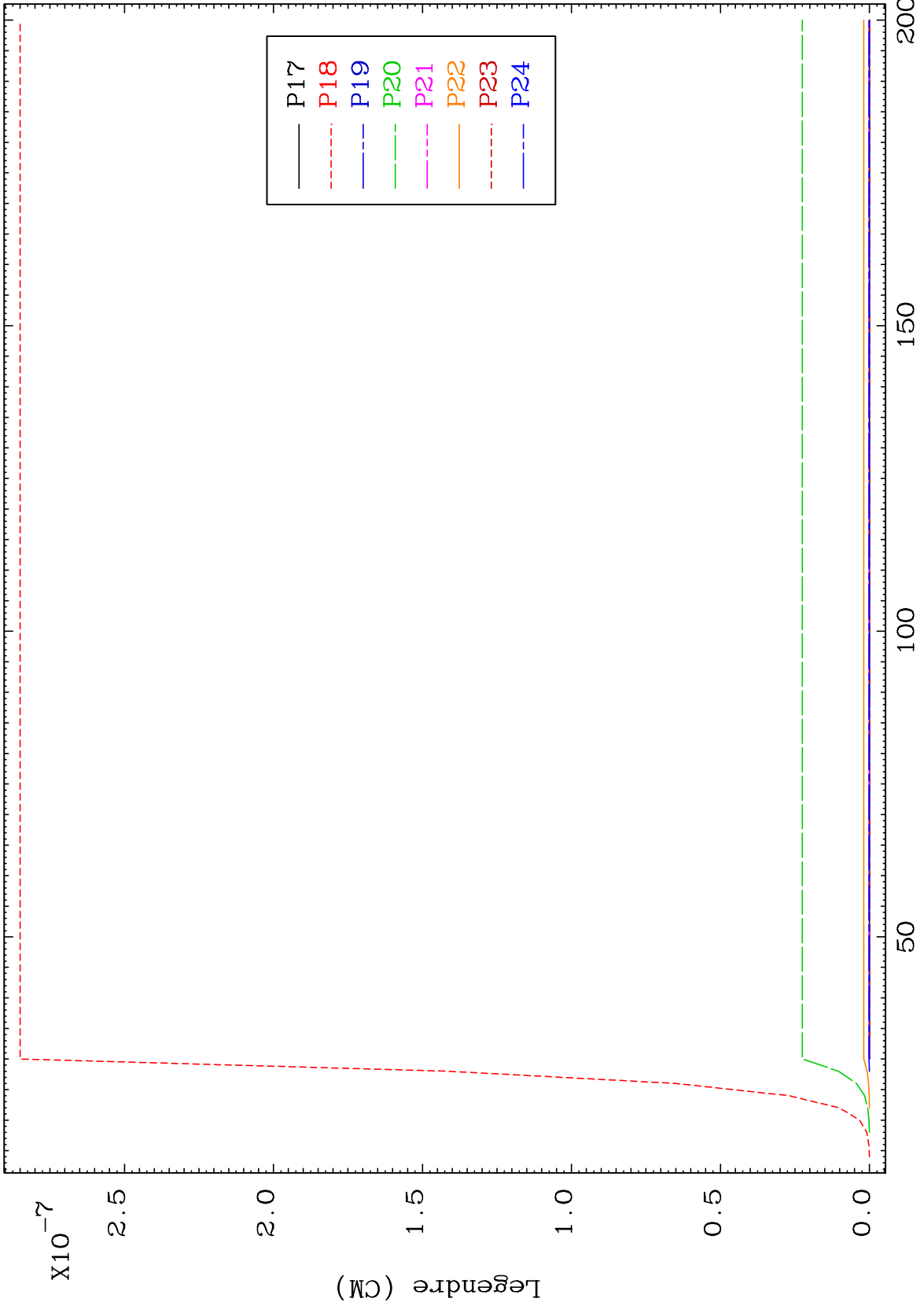


MAT 3028 MT= 69 (n,n') Level Legendre Coefficients 30-Zn-65



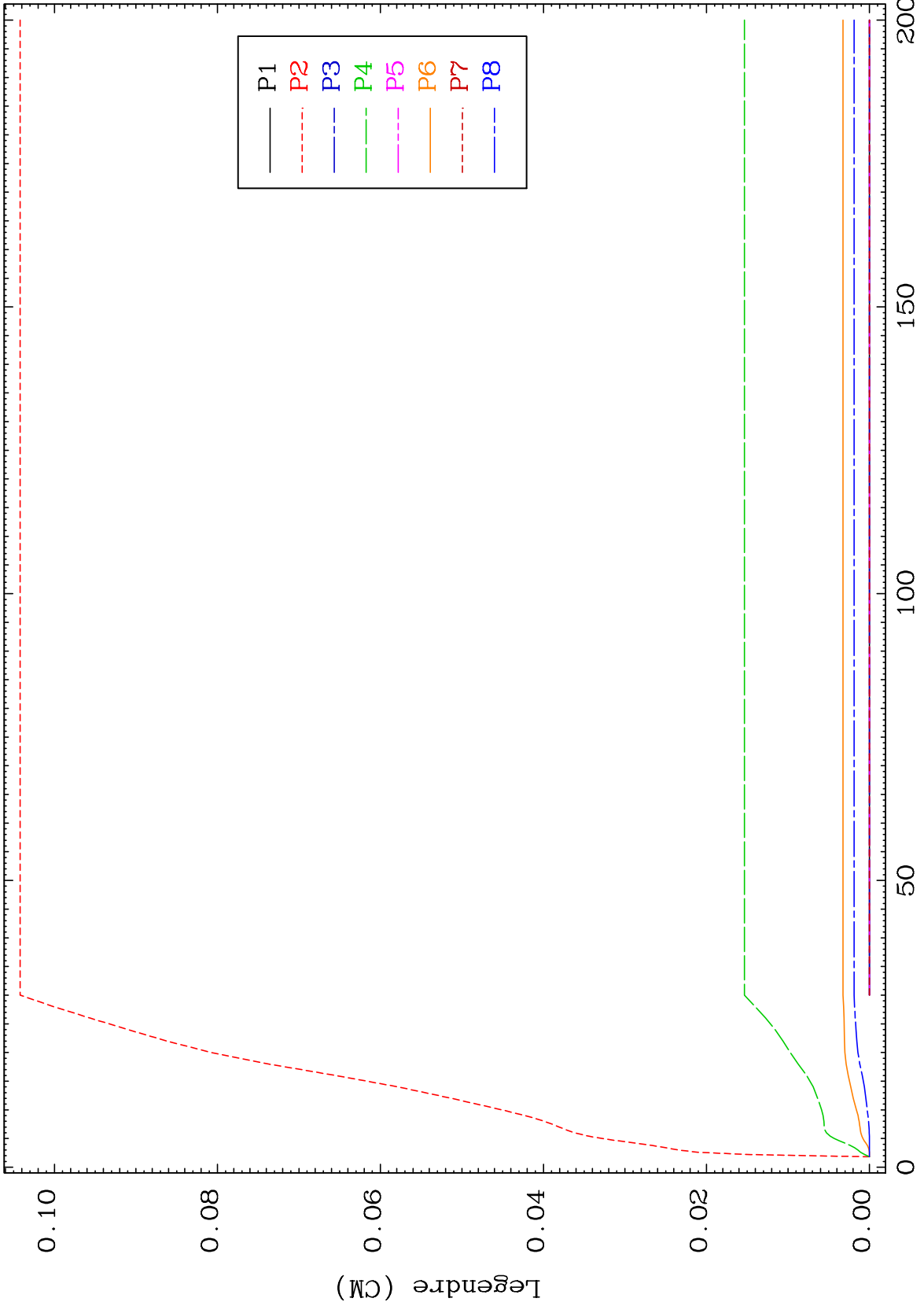
75 Incident Energy (MeV) 30-Zn-65

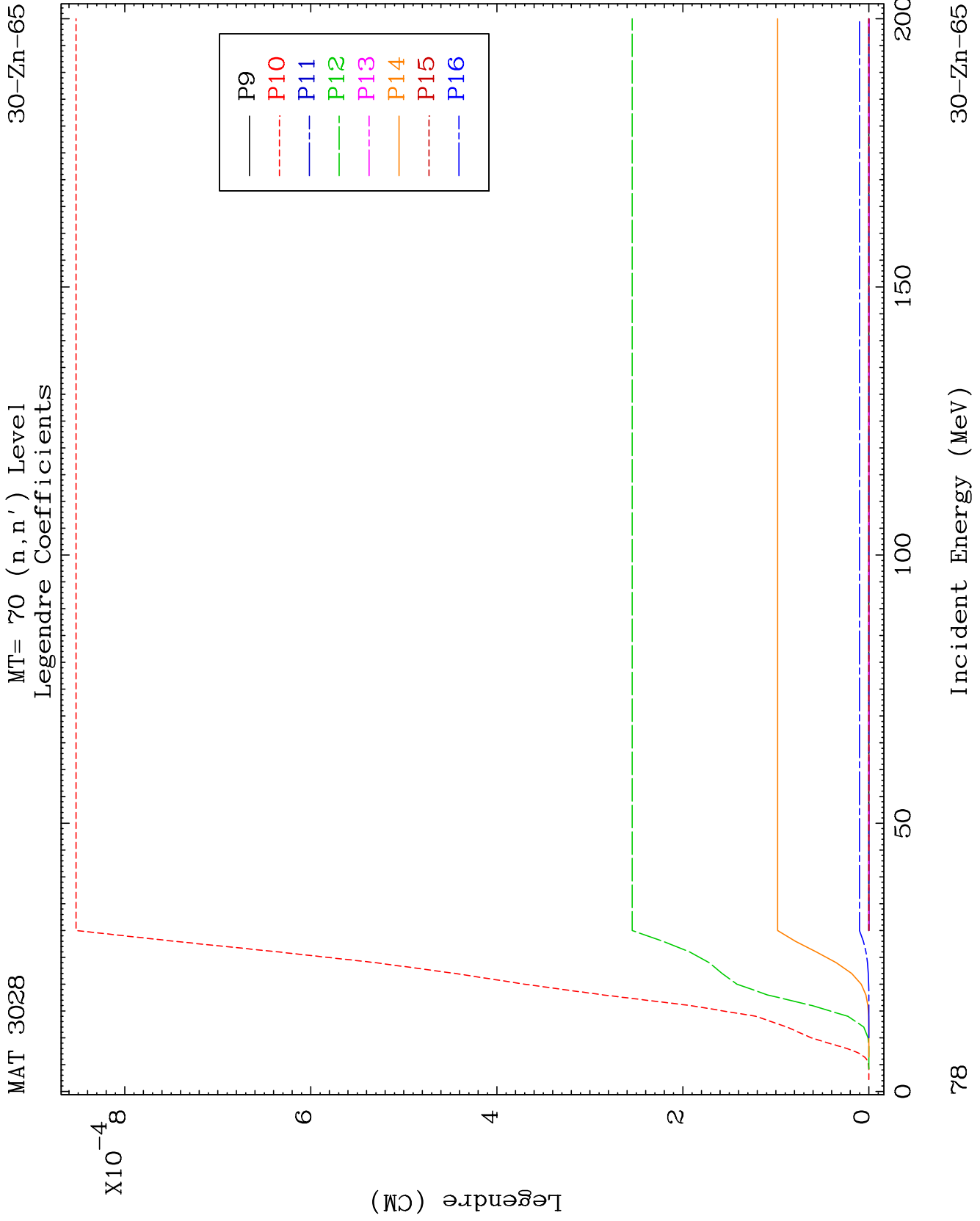
MAT 3028 MT= 69 (n,n') Level Legendre Coefficients 30-Zn-65



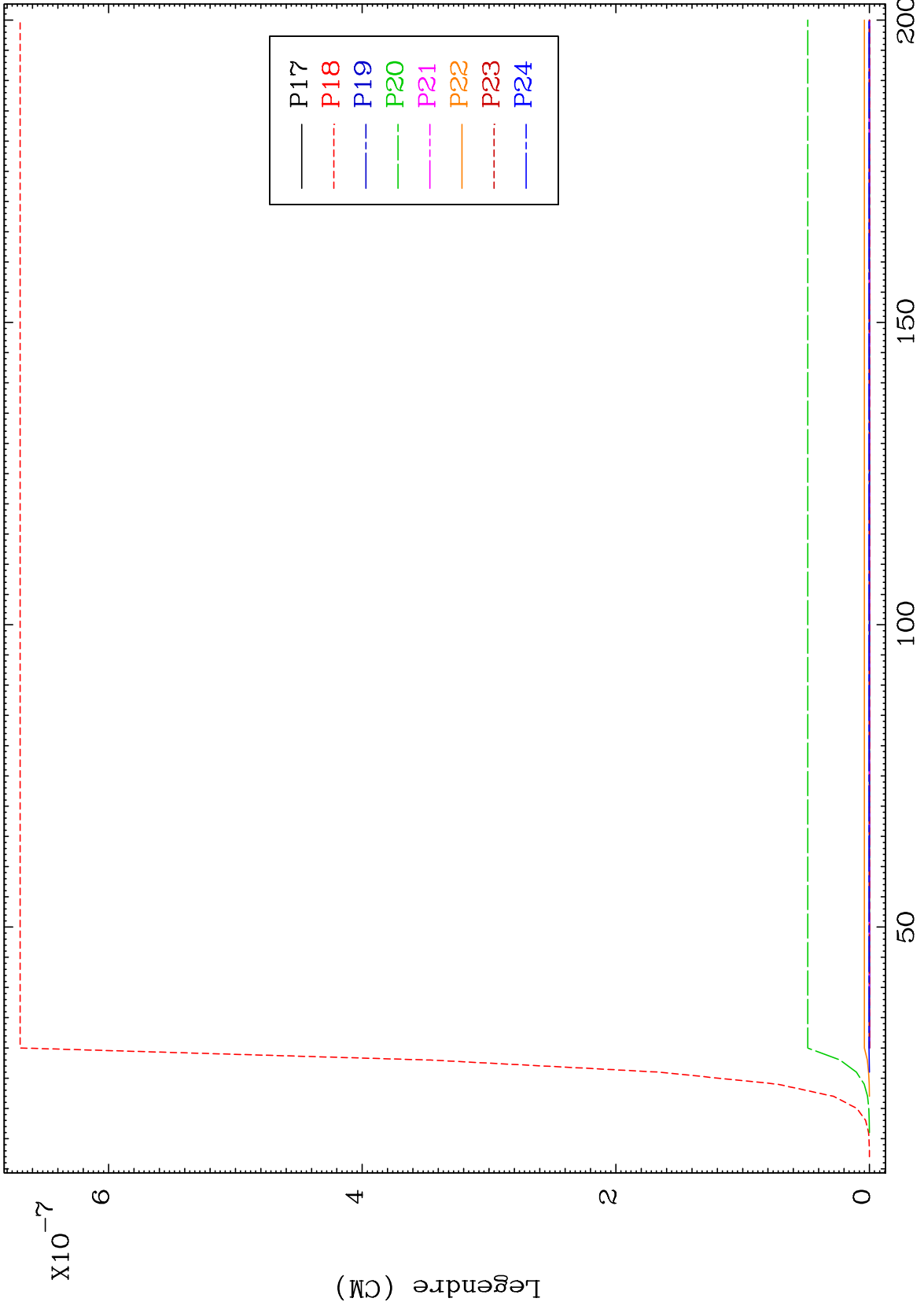
76 50 100 150 200 30-Zn-65

MAT 3028 MT= 70 (n,n') Level Legendre Coefficients 30-Zn-65



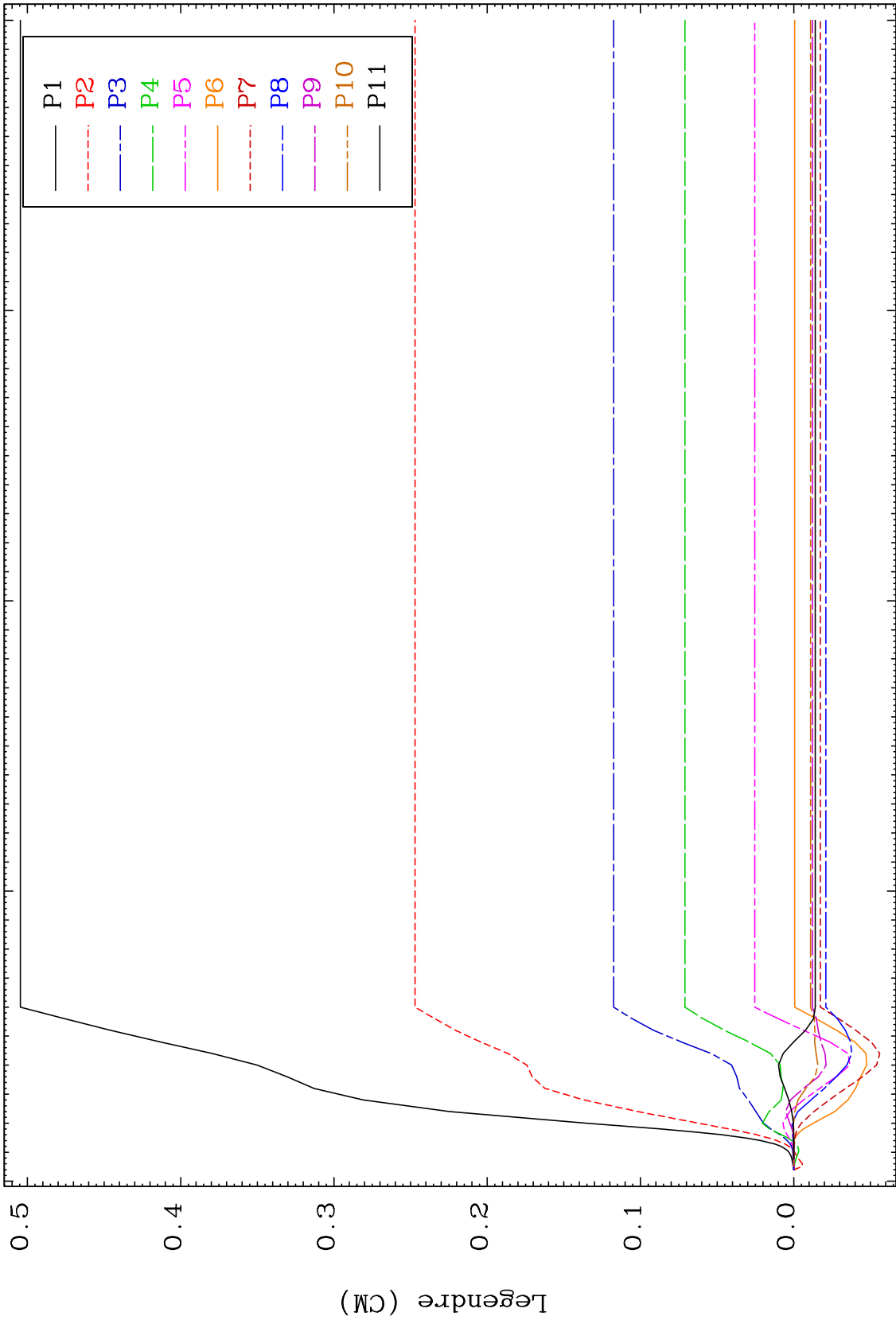


MAT 3028 MT= 70 (n,n') Level Legendre Coefficients 30-Zn-65



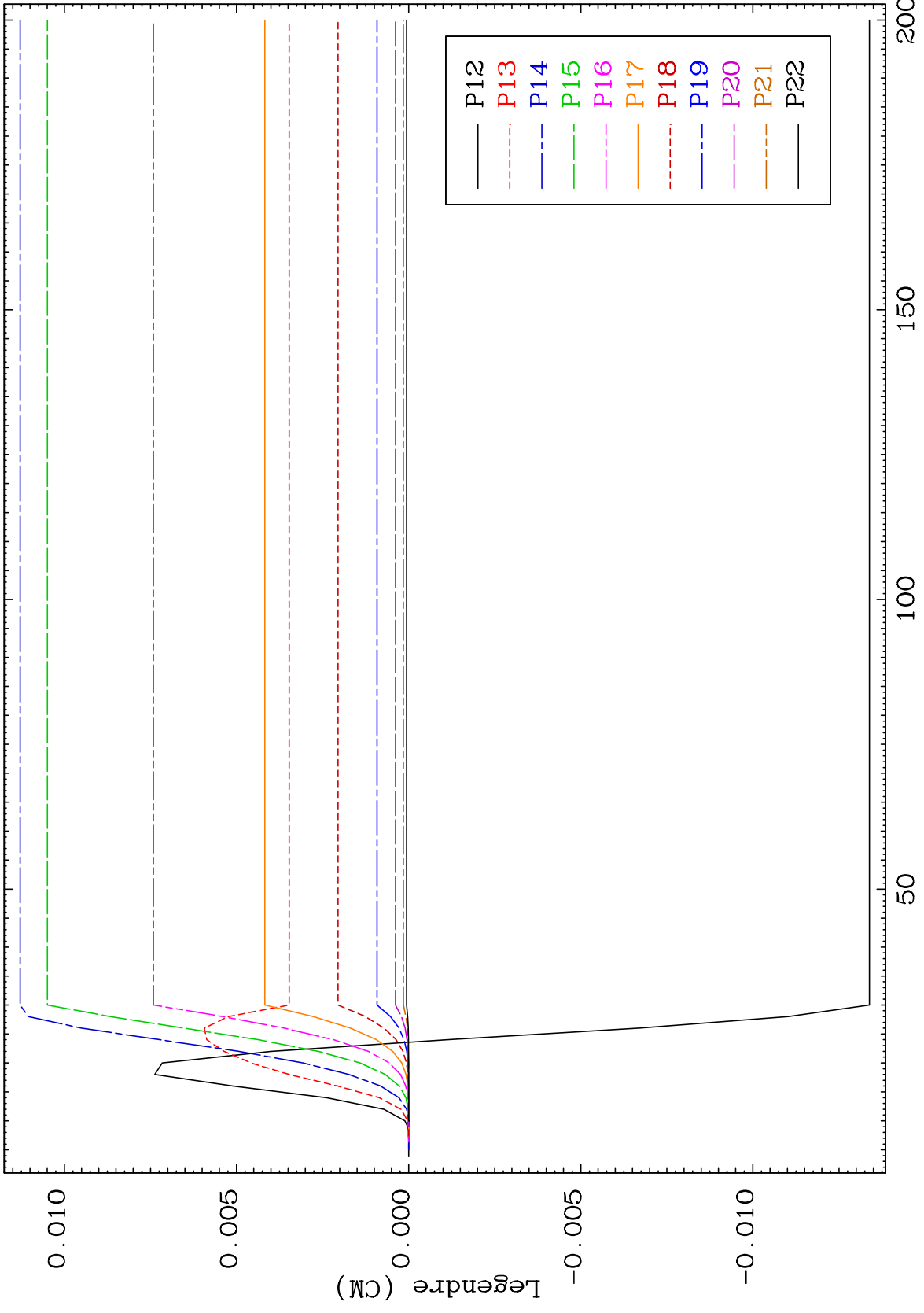
79 30-Zn-65

MAT 3028 MT= 71 (n,n') Level Legendre Coefficients 30-Zn-65



Incident Energy (MeV) 30-Zn-65

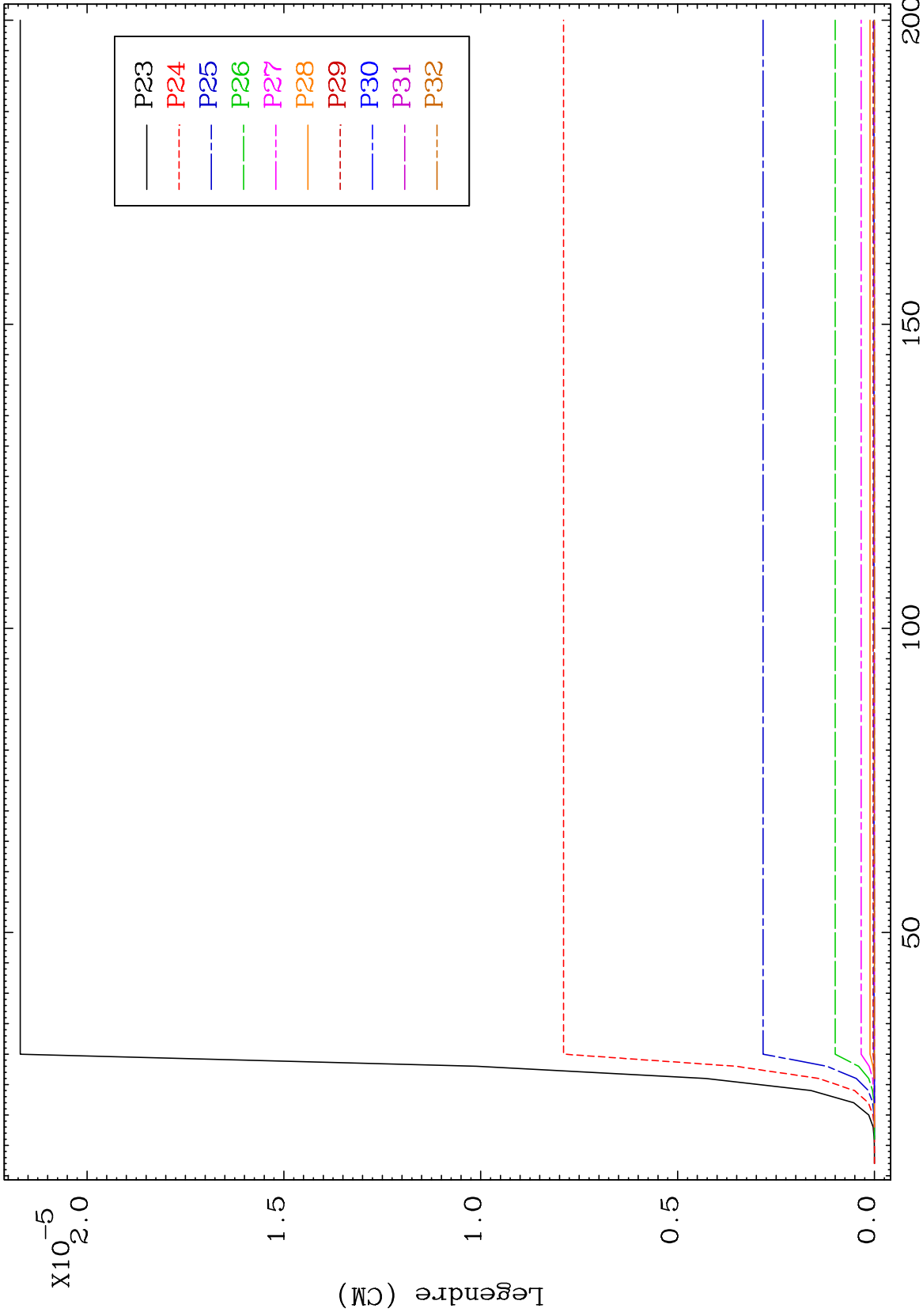
MAT 3028 MT= 71 (n,n') Level Legendre Coefficients 30-Zn-65



MAT 3028

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

30-Zn-65

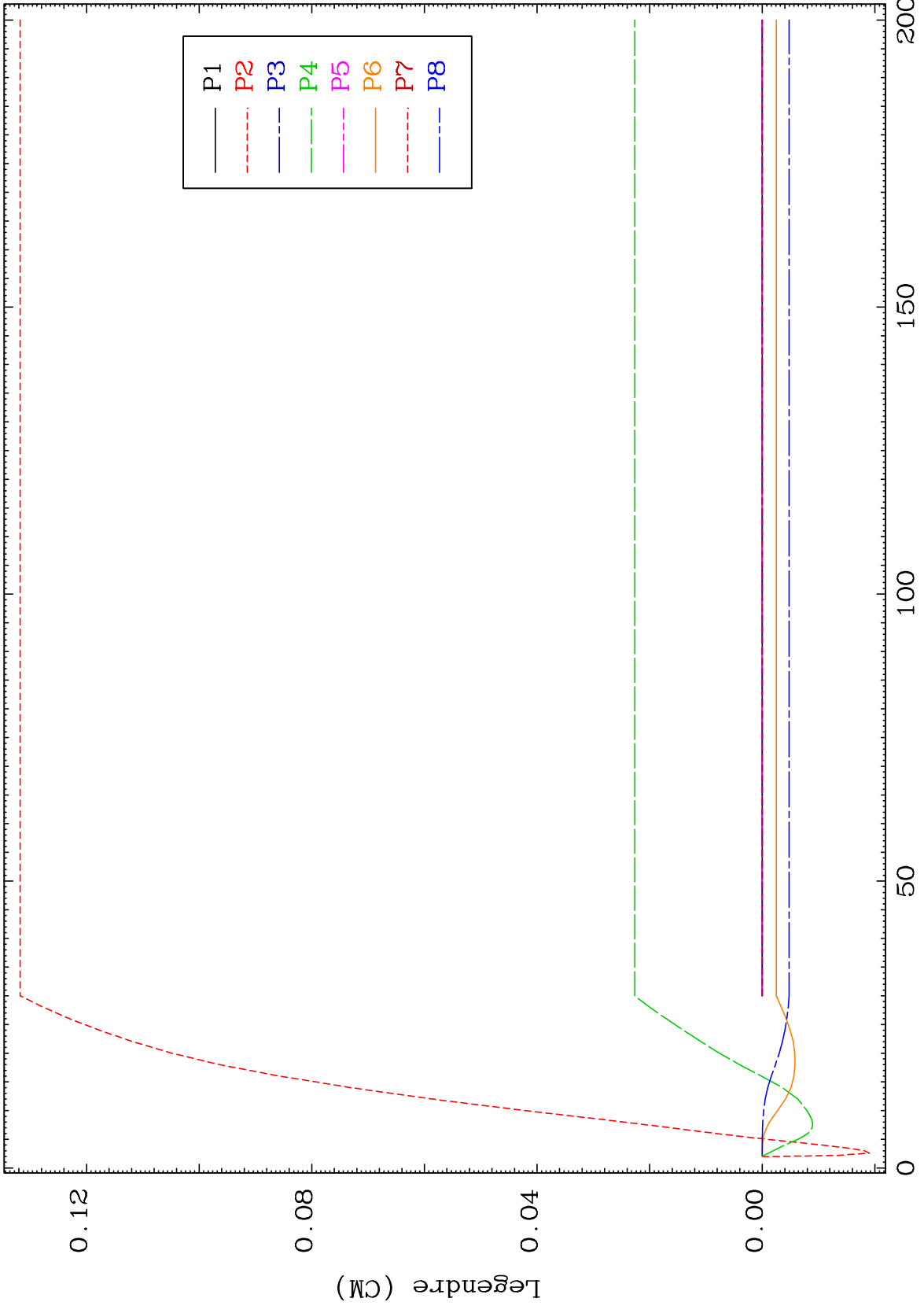


82

Incident Energy (MeV)

30-Zn-65

MAT 3028 MT= 72 (n,n') Level Legendre Coefficients 30-Zn-65

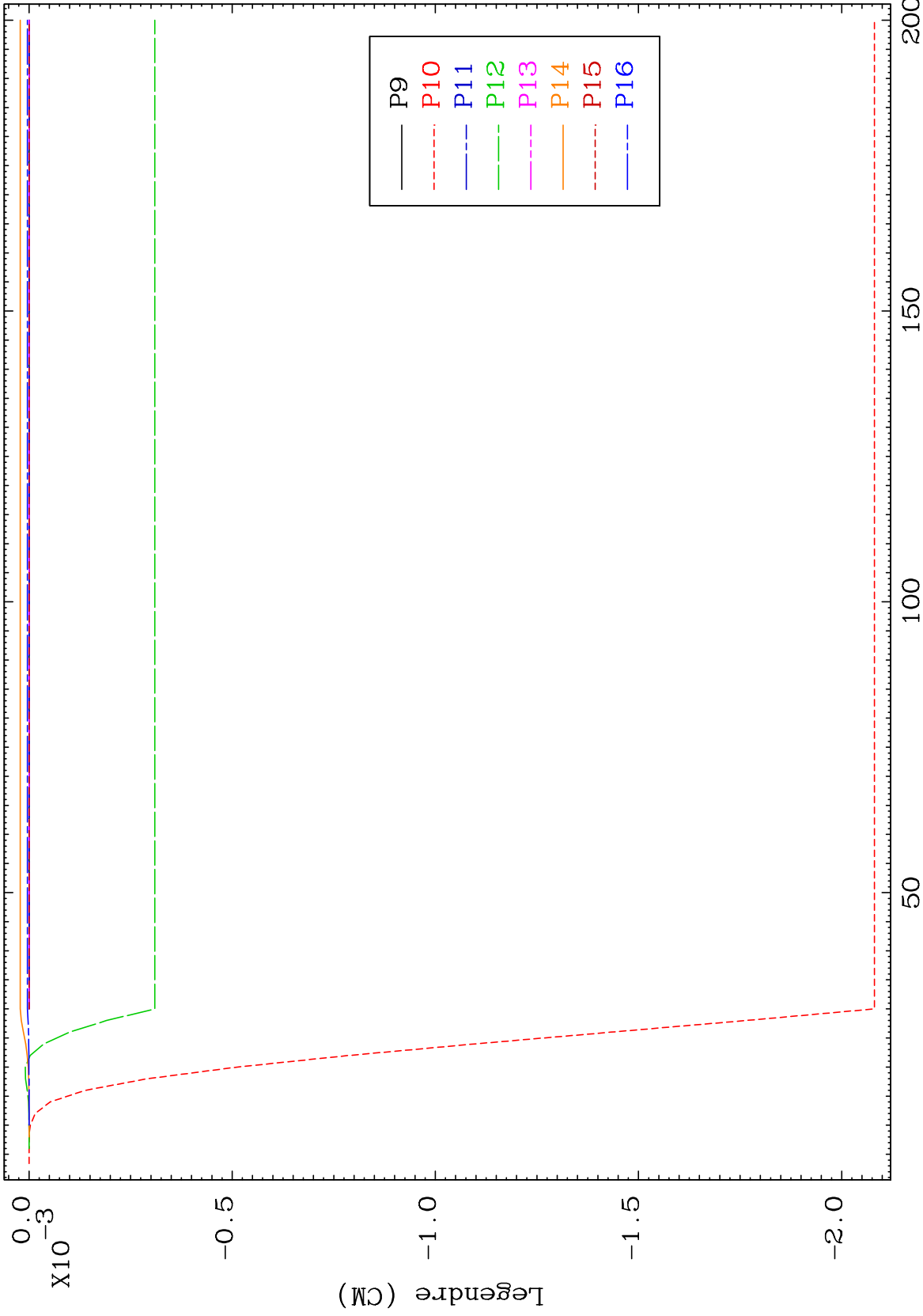


83 Incident Energy (MeV) 30-Zn-65

MAT 3028

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

30-Zn-65

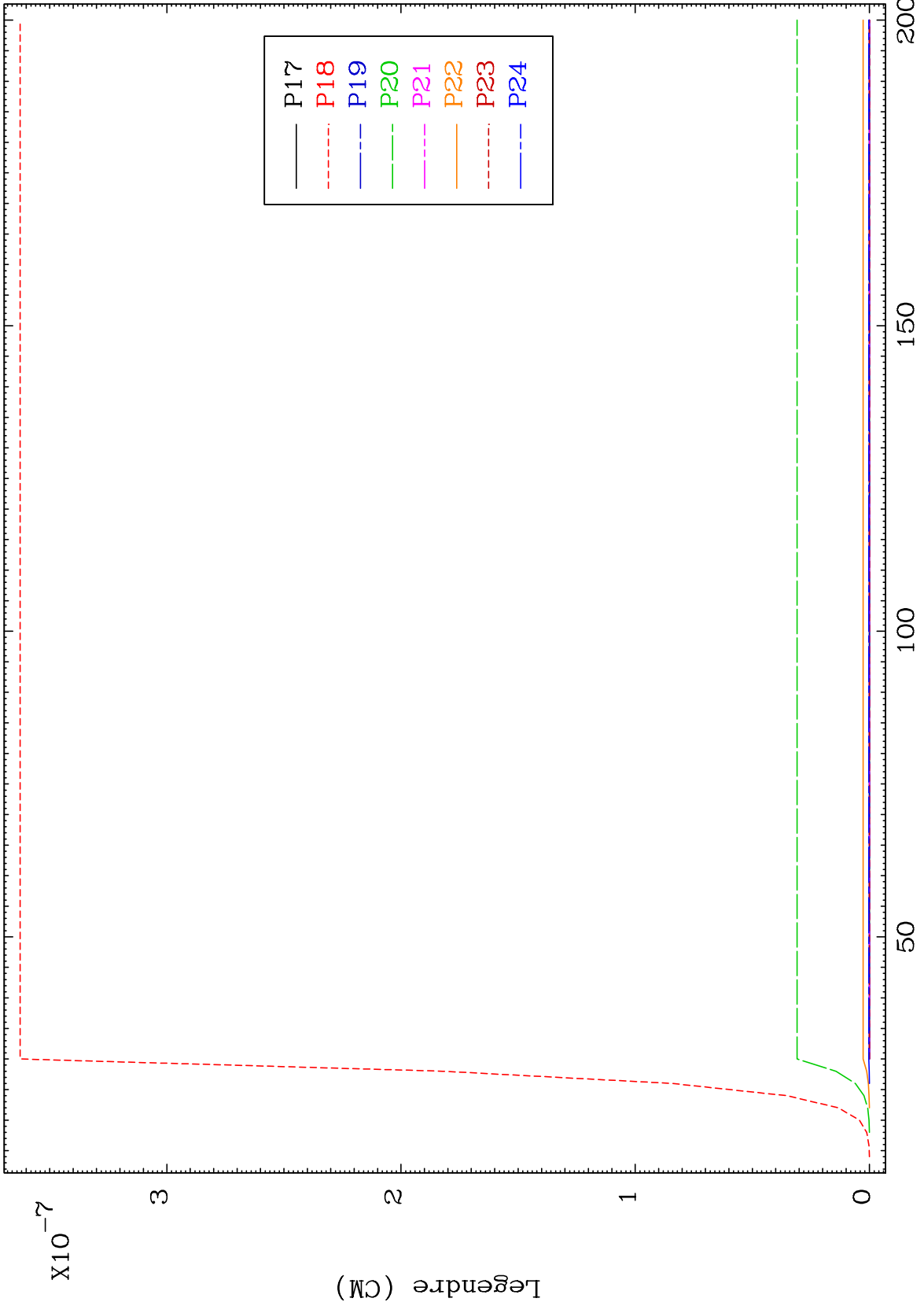


84

Incident Energy (MeV)

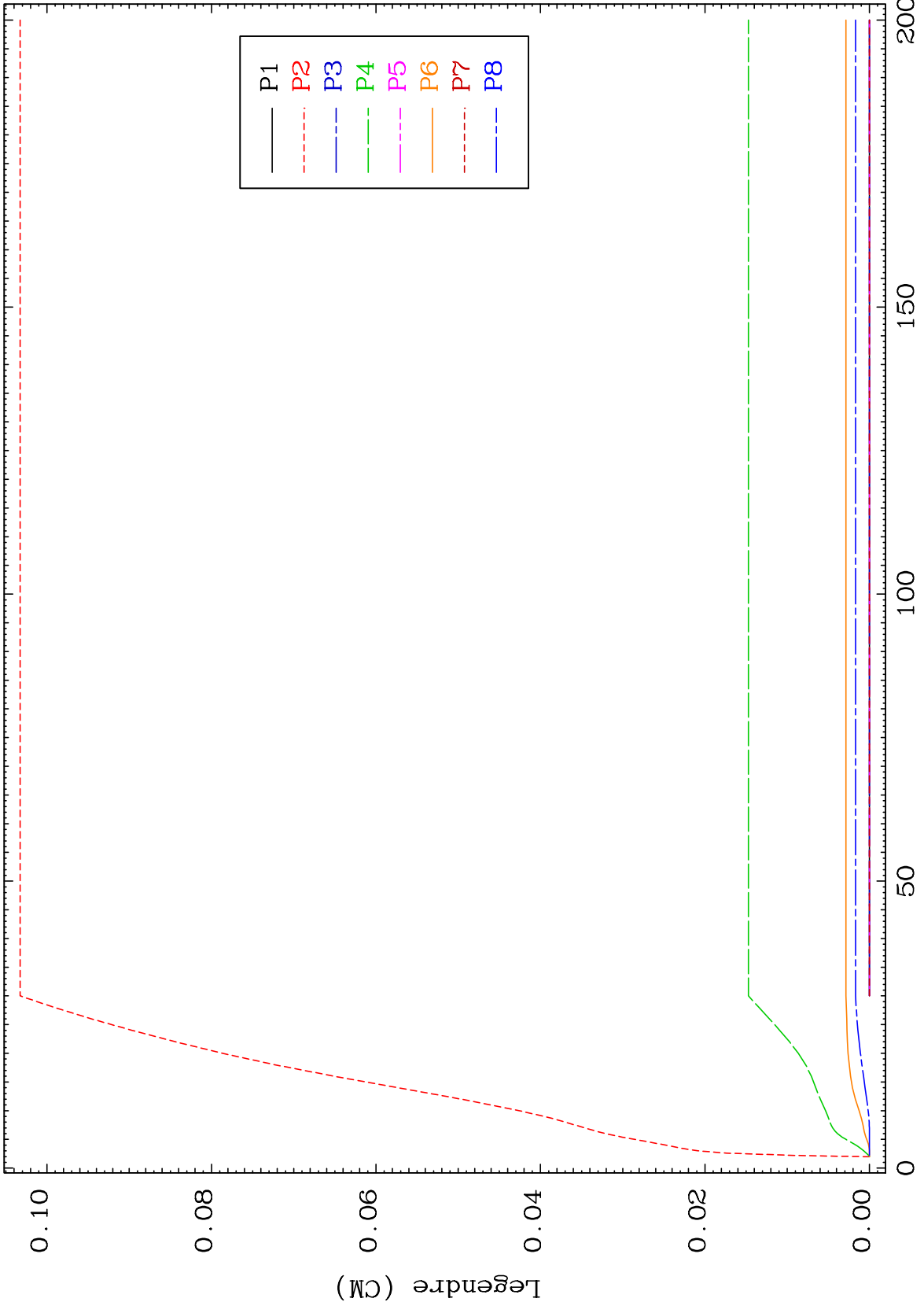
30-Zn-65

MAT 3028 MT= 72 (n,n') Level Legendre Coefficients 30-Zn-65



85 Incident Energy (MeV) 30-Zn-65

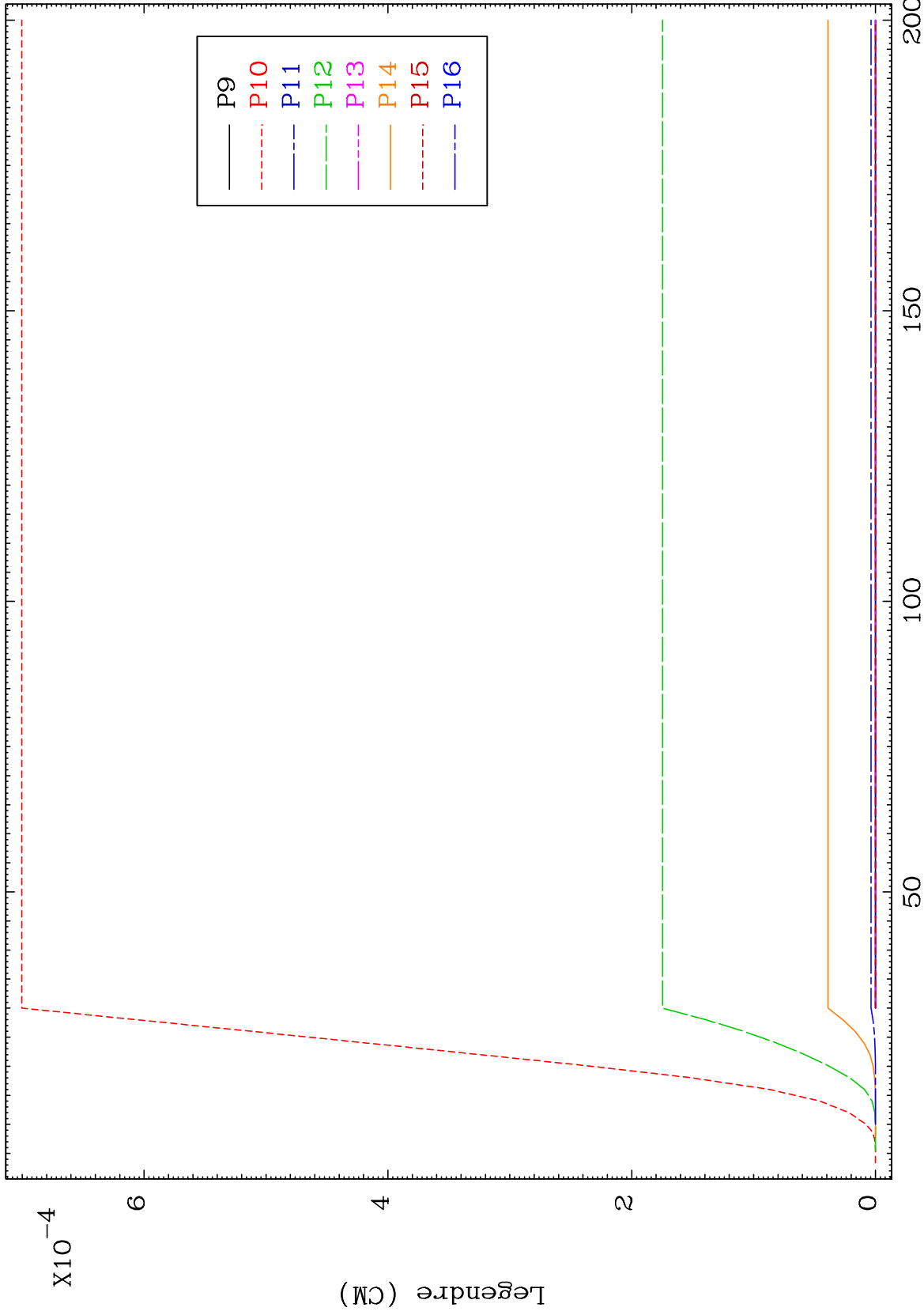
MAT 3028 MT= 73 (n,n') Level Legendre Coefficients 30-Zn-65



MAT 3028

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

30-Zn-65

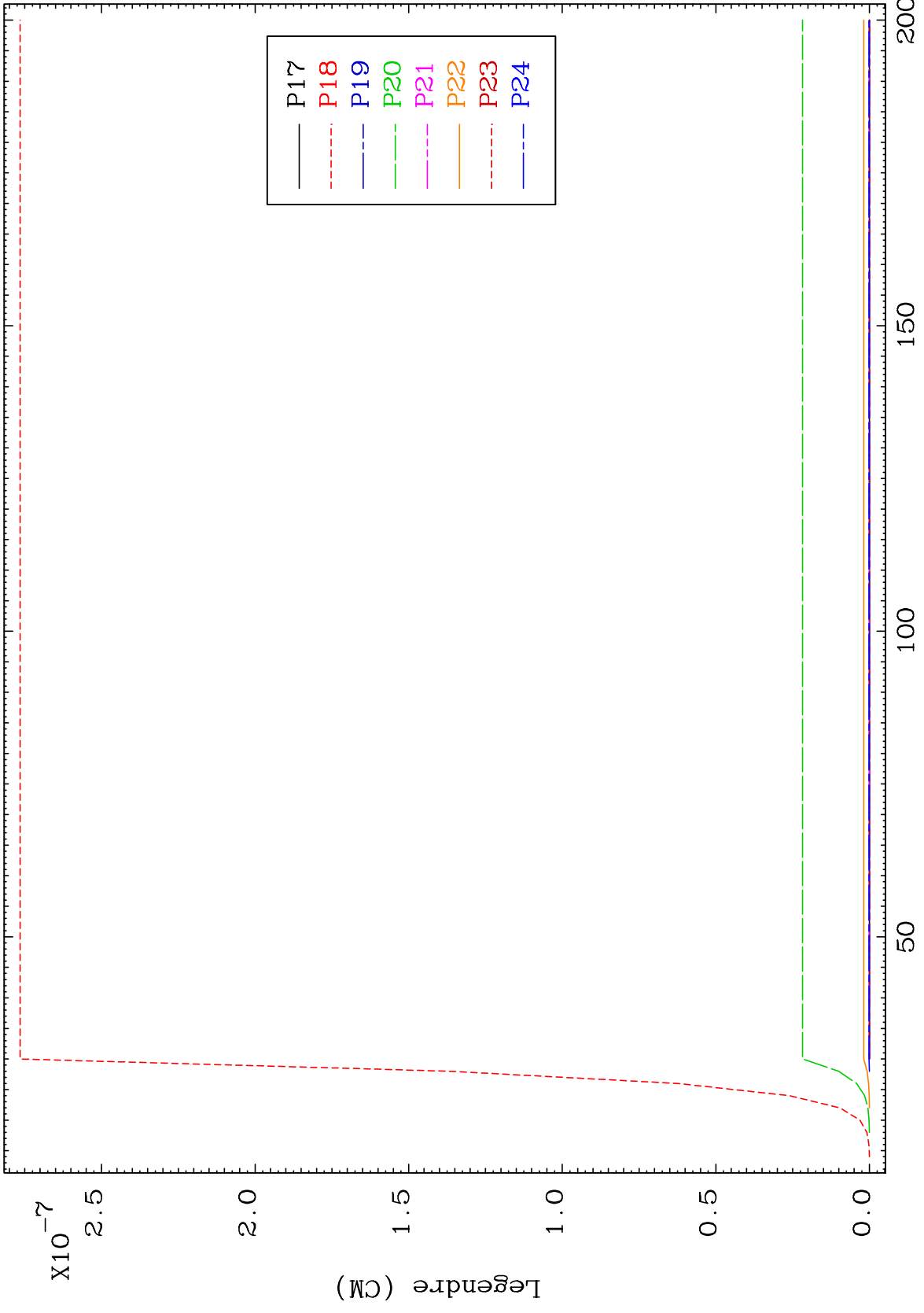


87

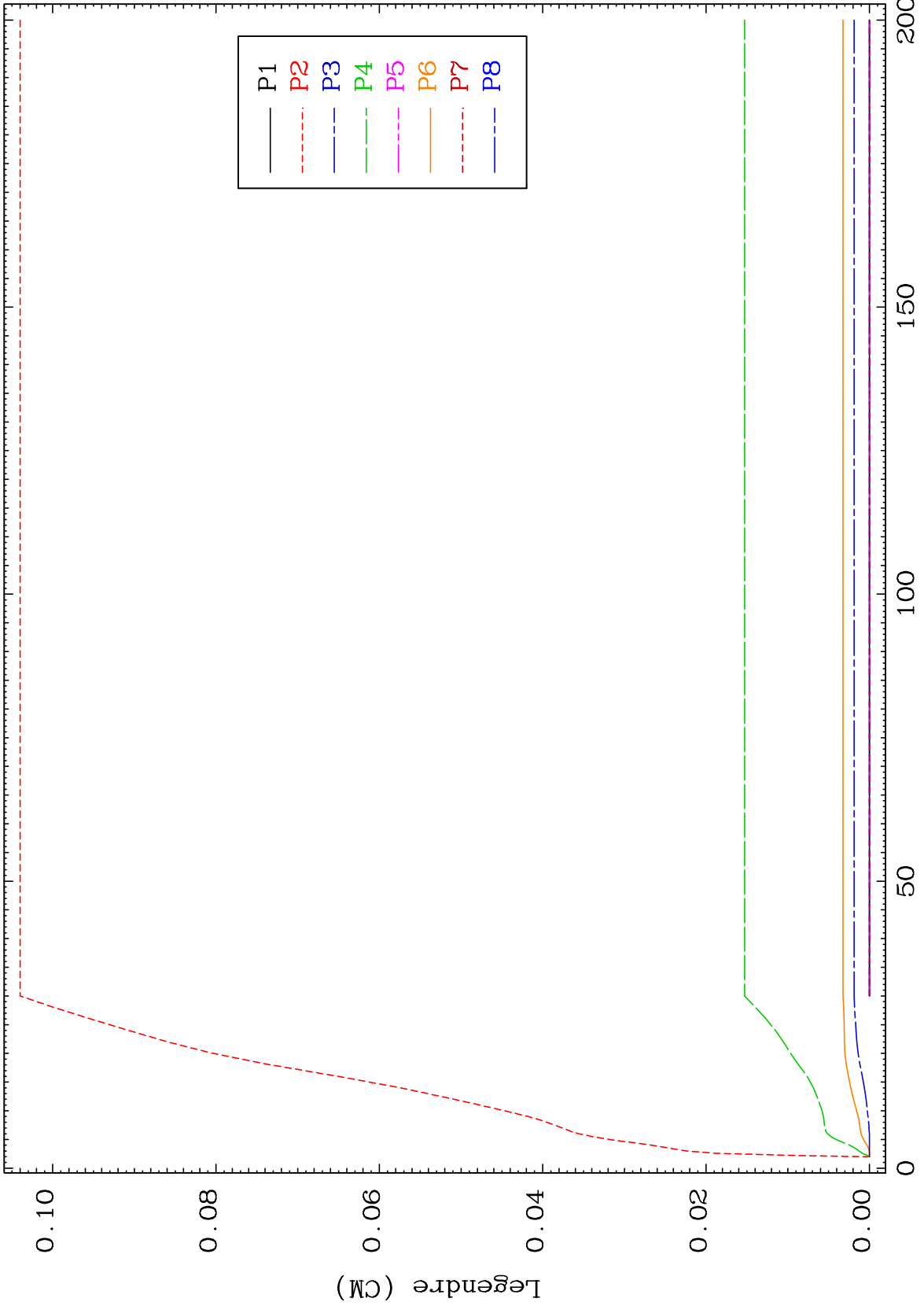
Incident Energy (MeV)

30-Zn-65

MAT 3028 MT= 73 (n,n') Level Legendre Coefficients 30-Zn-65



MAT 3028 MT= 74 (n,n') Level Legendre Coefficients 30-Zn-65

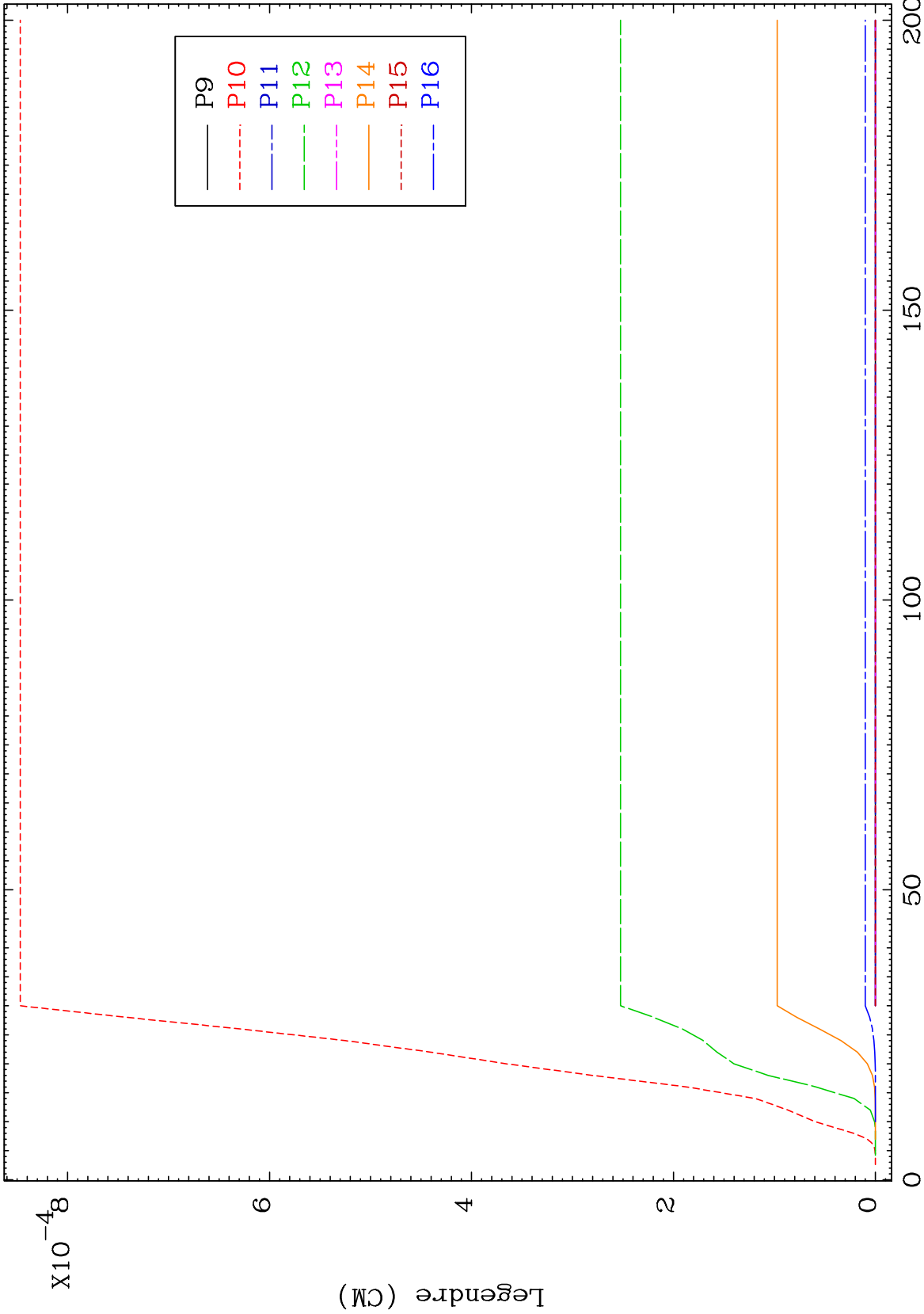


89 30-Zn-65

MAT 3028

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

30-Zn-65

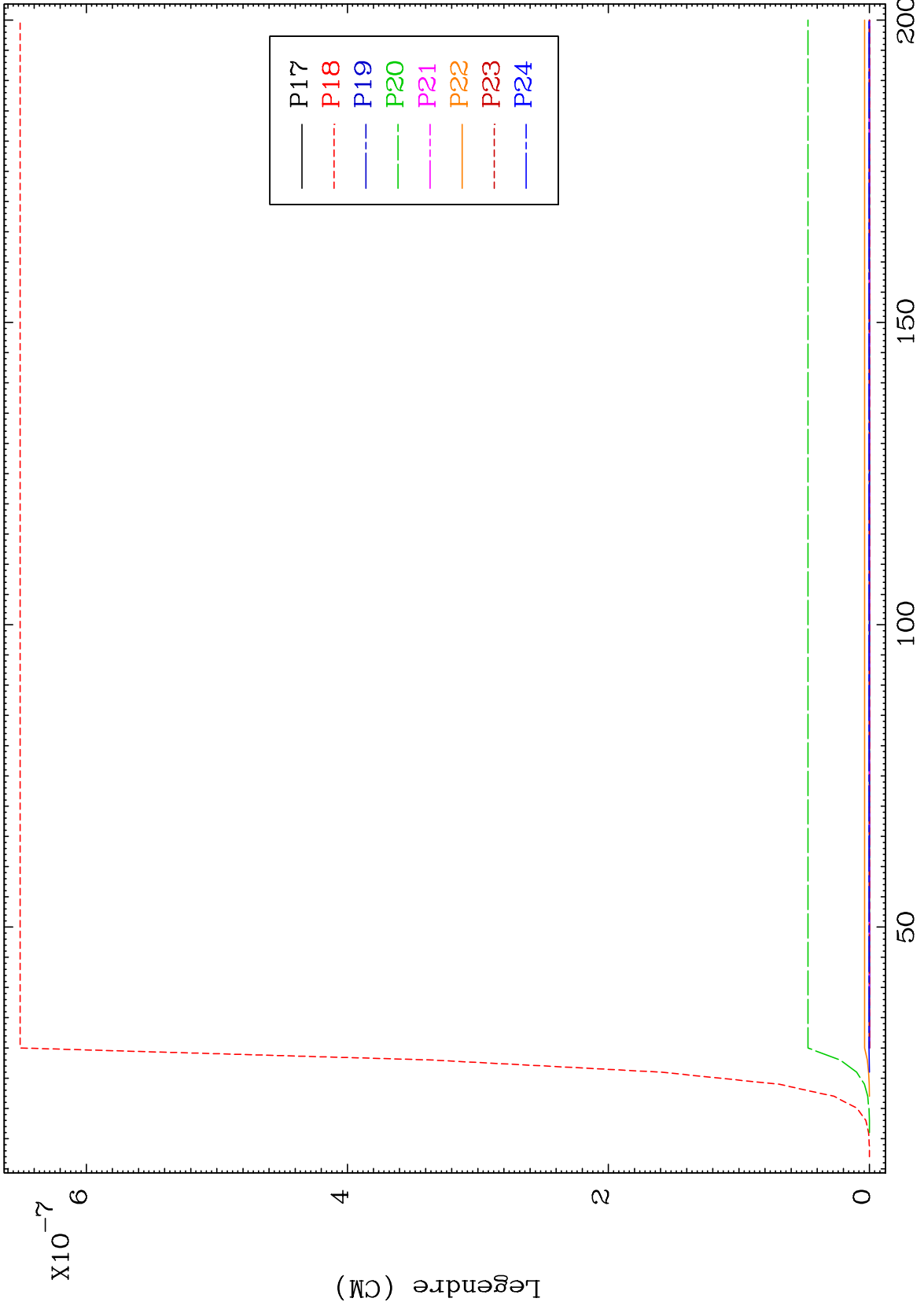


90

Incident Energy (MeV)

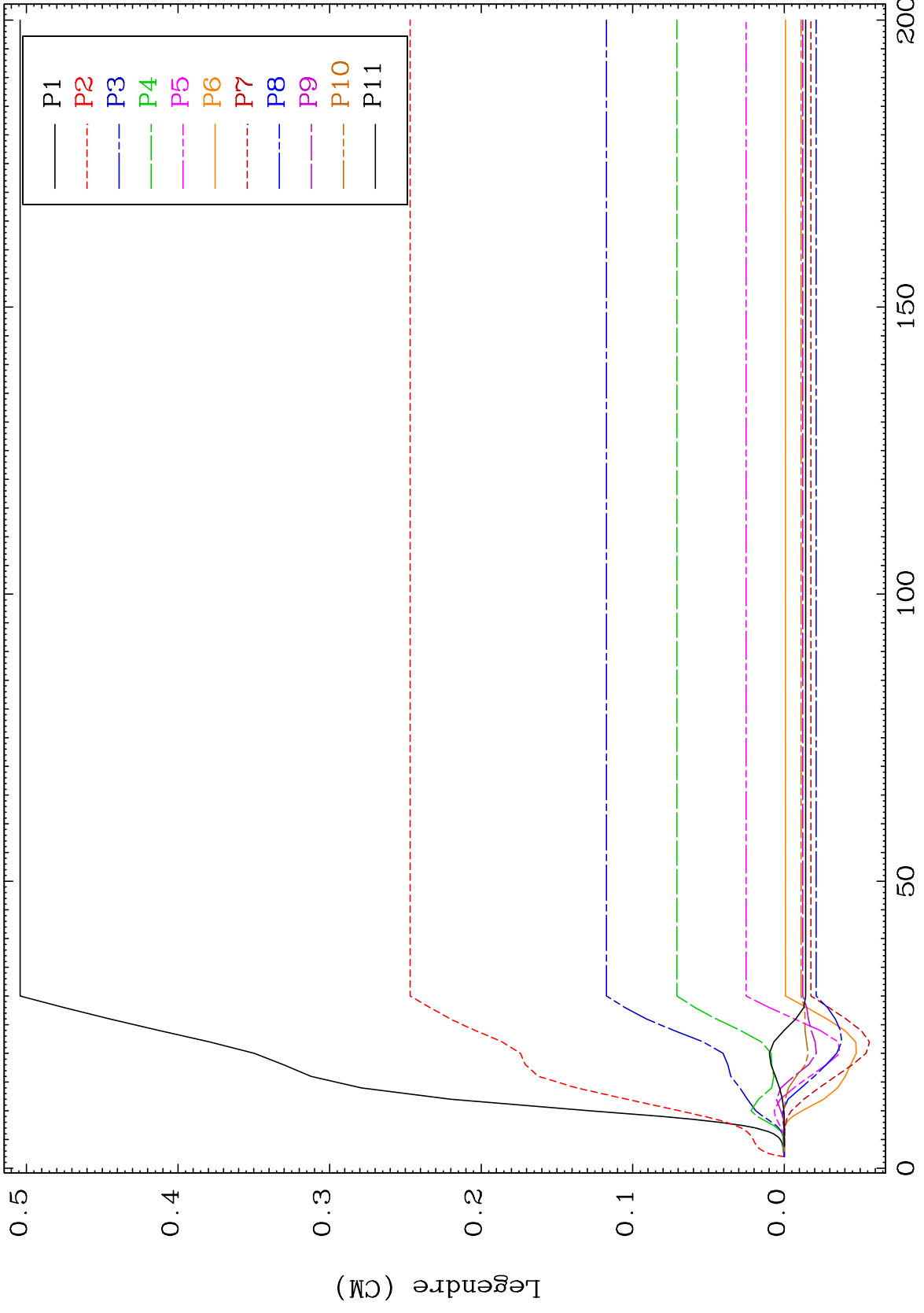
30-Zn-65

MAT 3028 MT= 74 (n,n') Level Legendre Coefficients 30-Zn-65

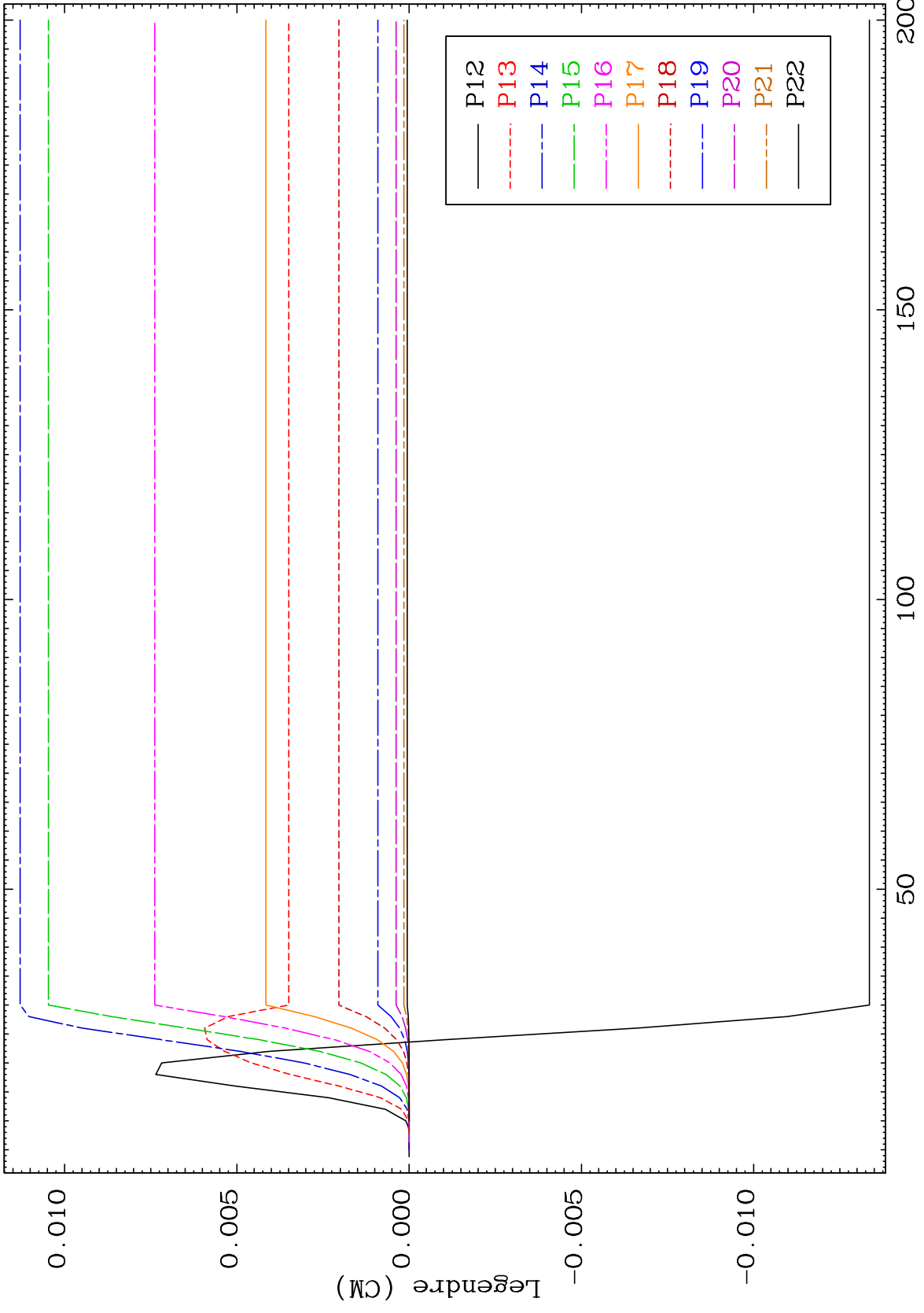


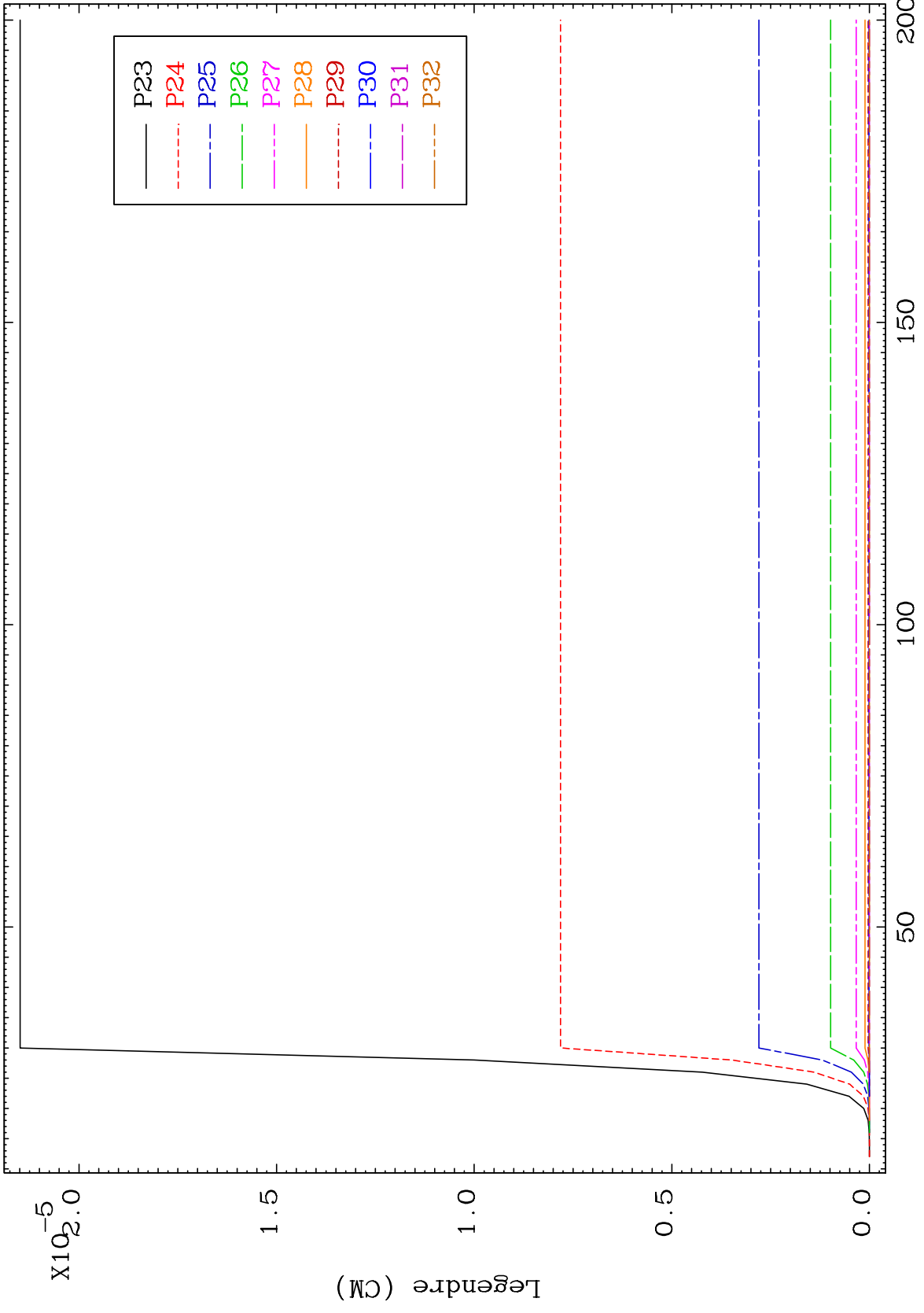
91 30-Zn-65

MAT 3028 MT= 75 (n,n') Level Legendre Coefficients 30-Zn-65

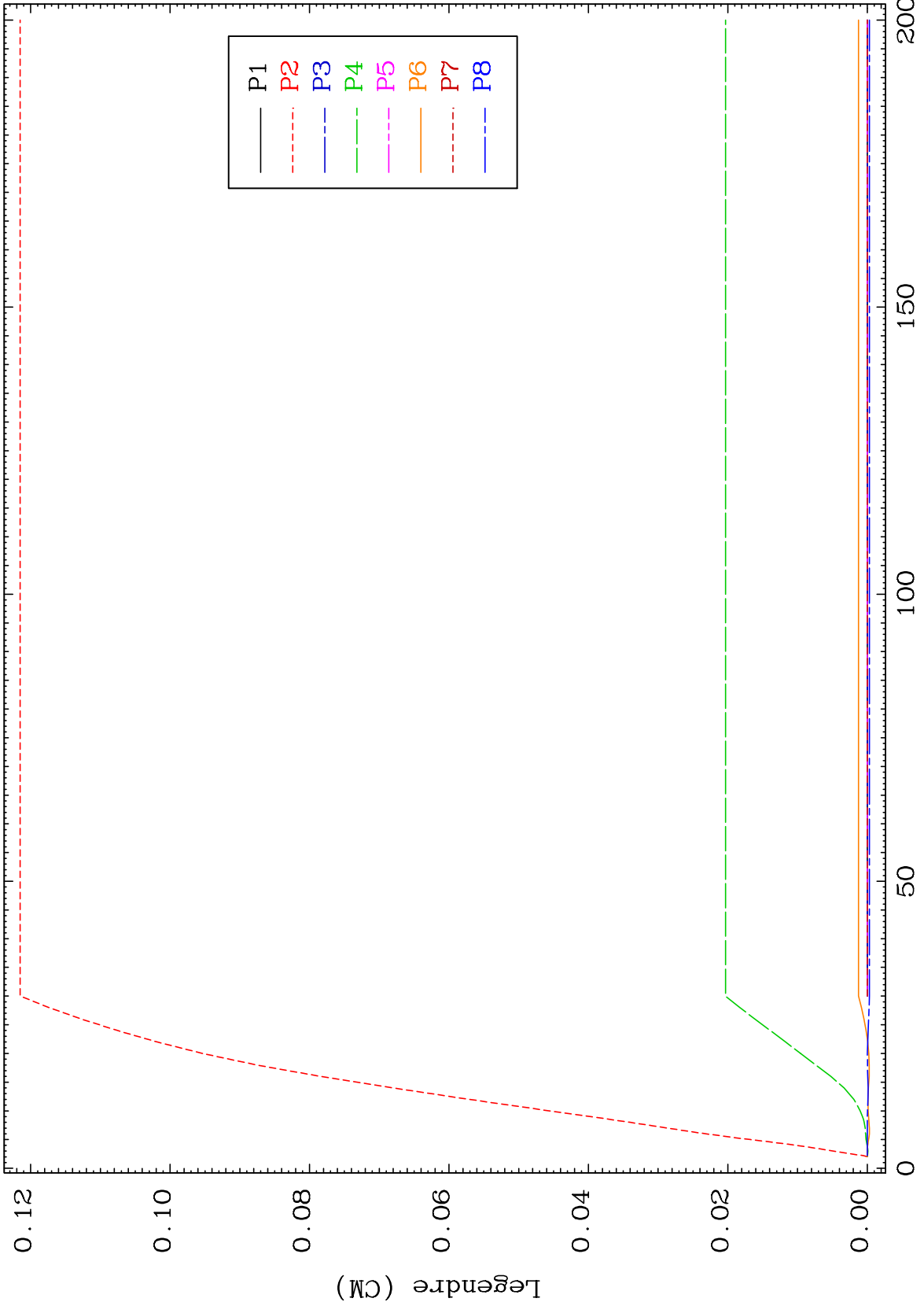


MAT 3028 MT= 75 (n,n') Level Legendre Coefficients 30-Zn-65





MAT 3028 MT= 76 (n,n') Level Legendre Coefficients 30-Zn-65

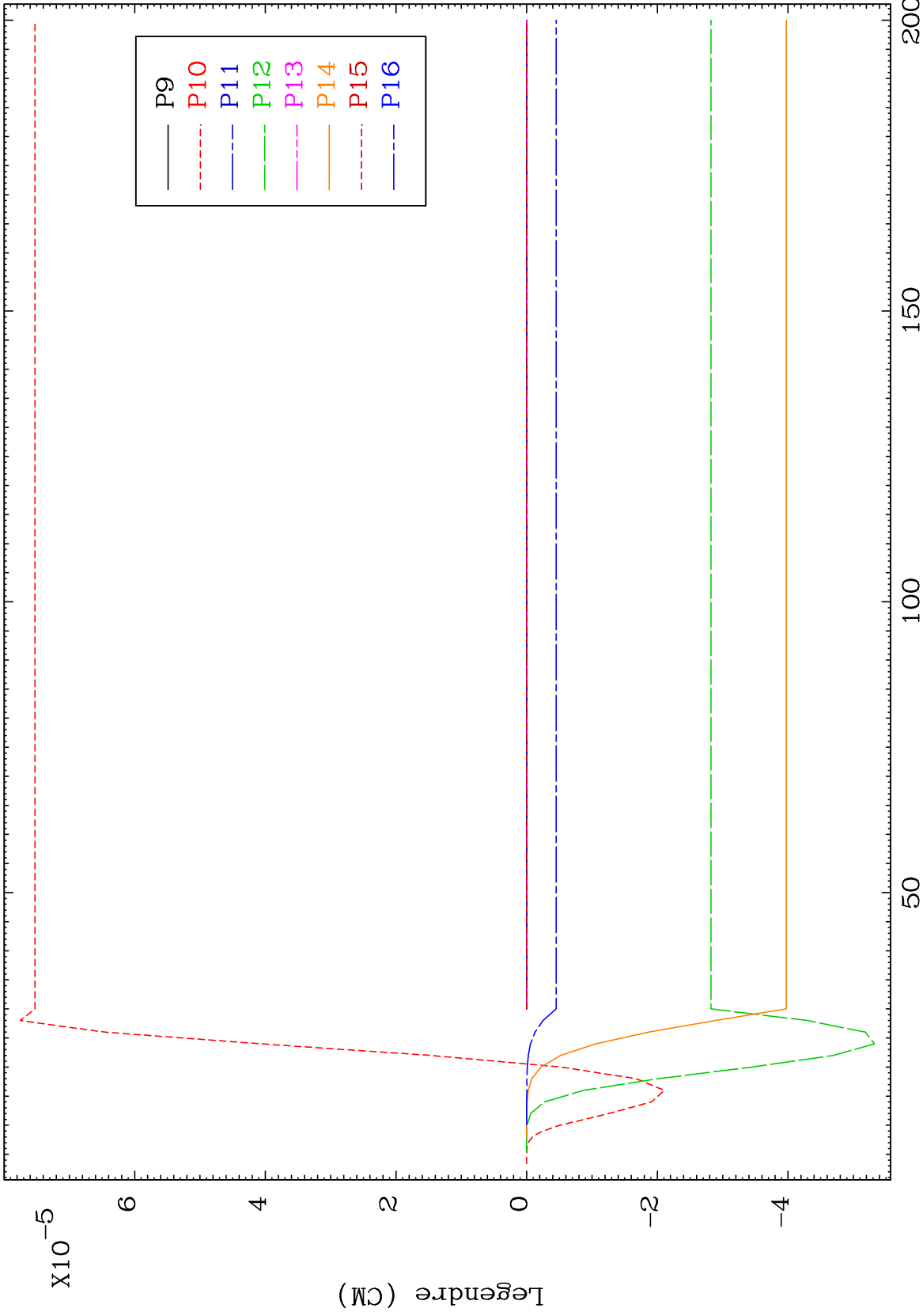


95 Incident Energy (MeV) 30-Zn-65

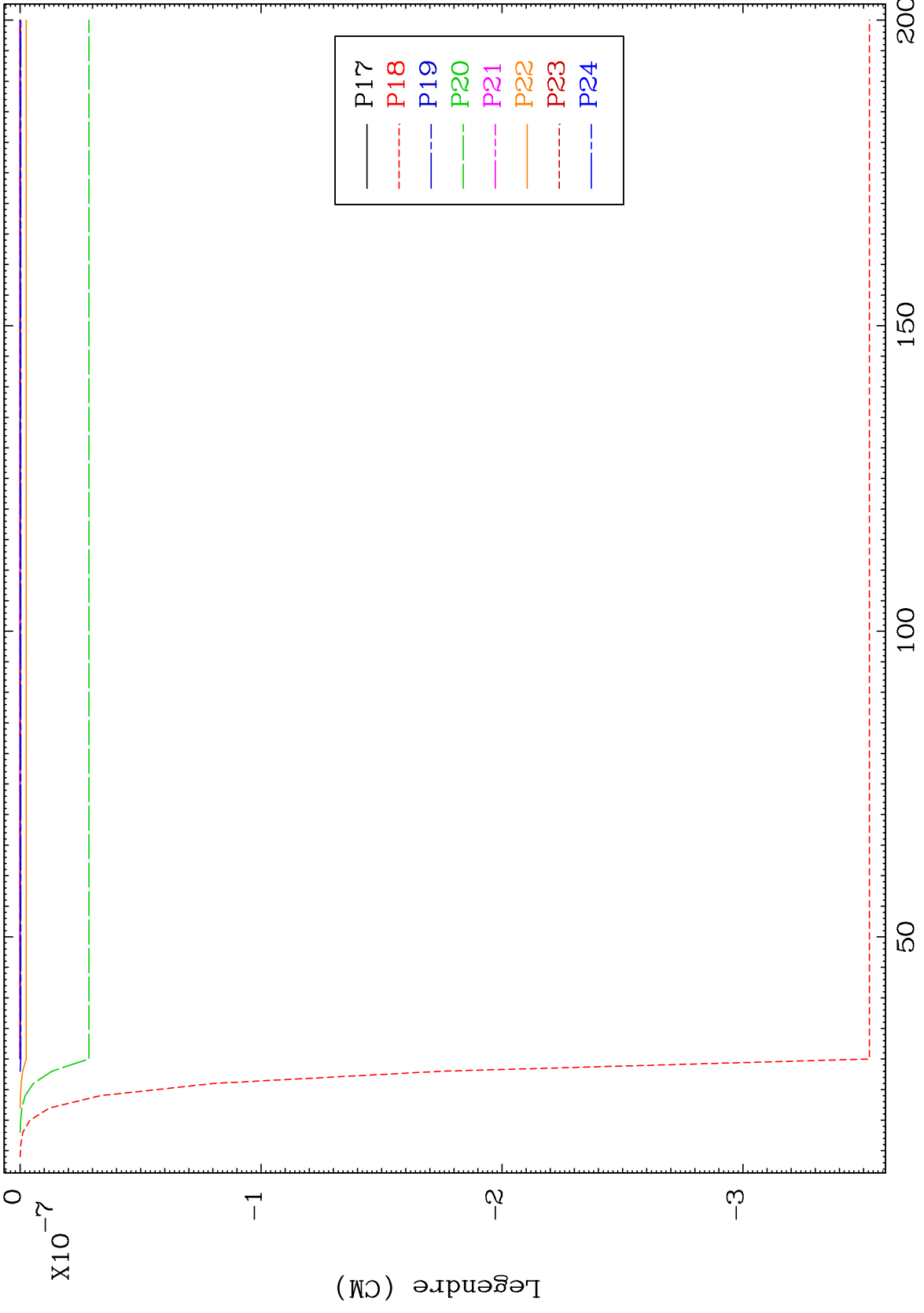
MAT 3028

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

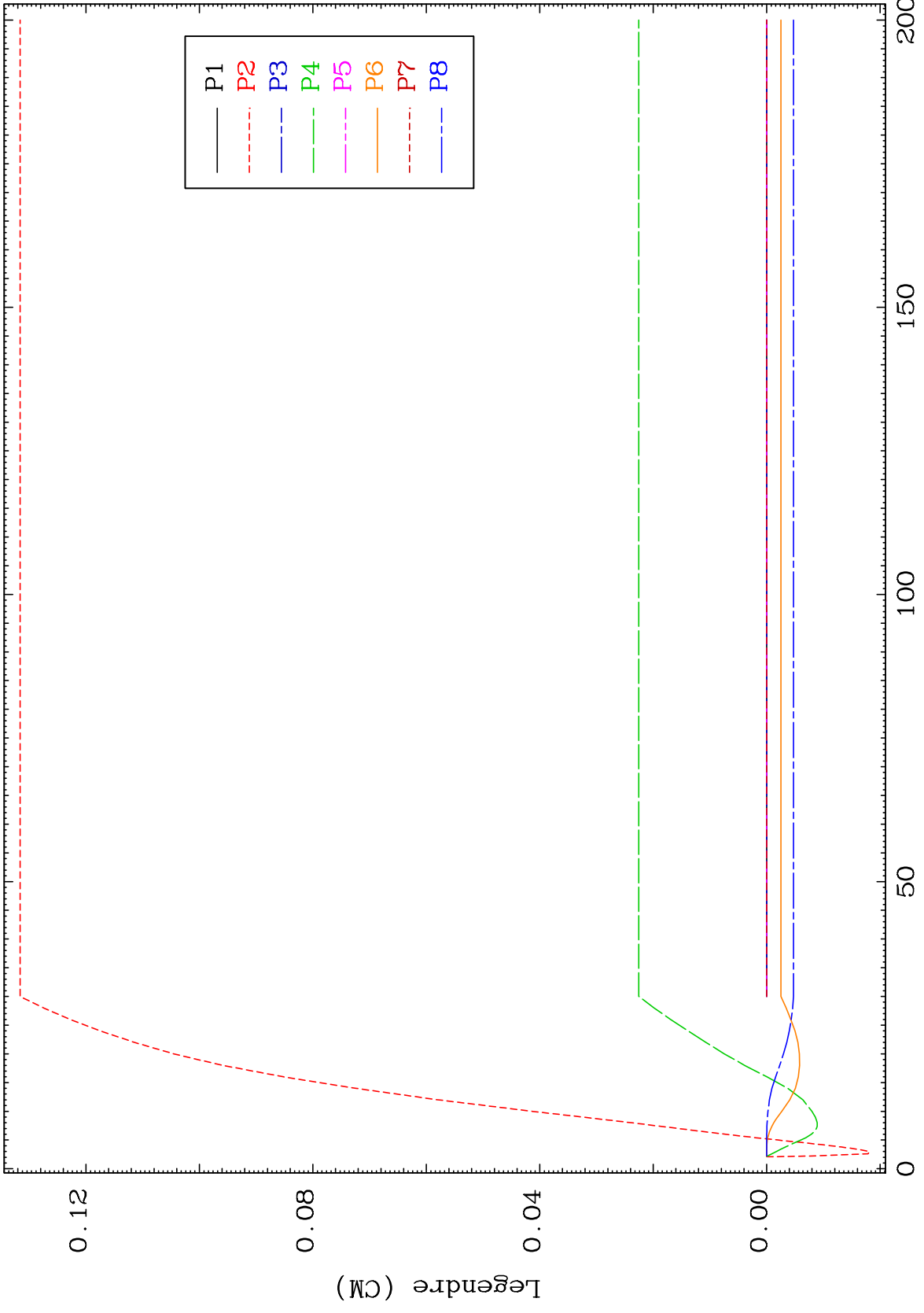
30-Zn-65



MAT 3028 MT= 76 (n,n') Level Legendre Coefficients 30-Zn-65



MAT 3028 MT= 77 (n,n') Level Legendre Coefficients 30-Zn-65

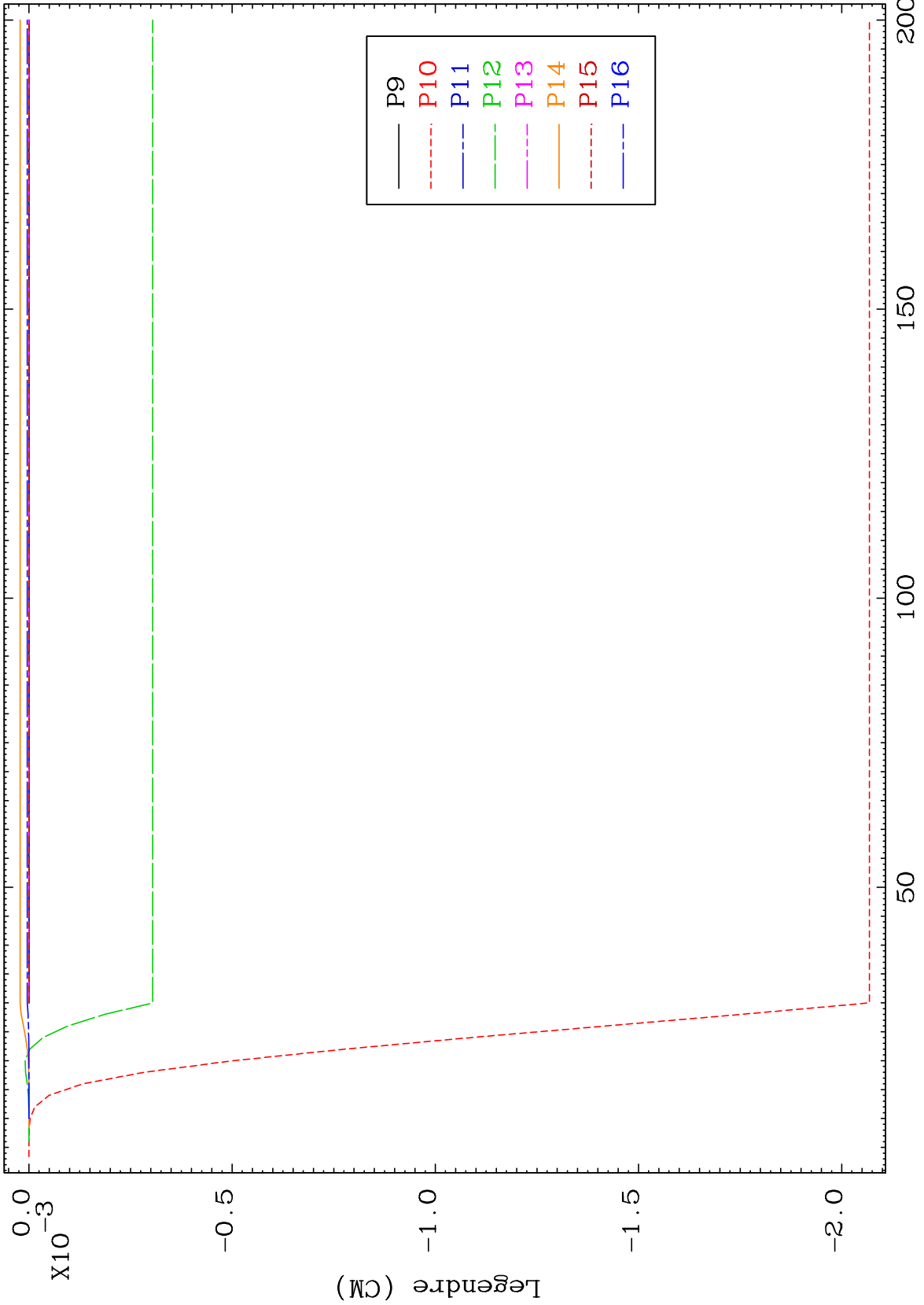


98 30-Zn-65

MAT 3028

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

30-Zn-65



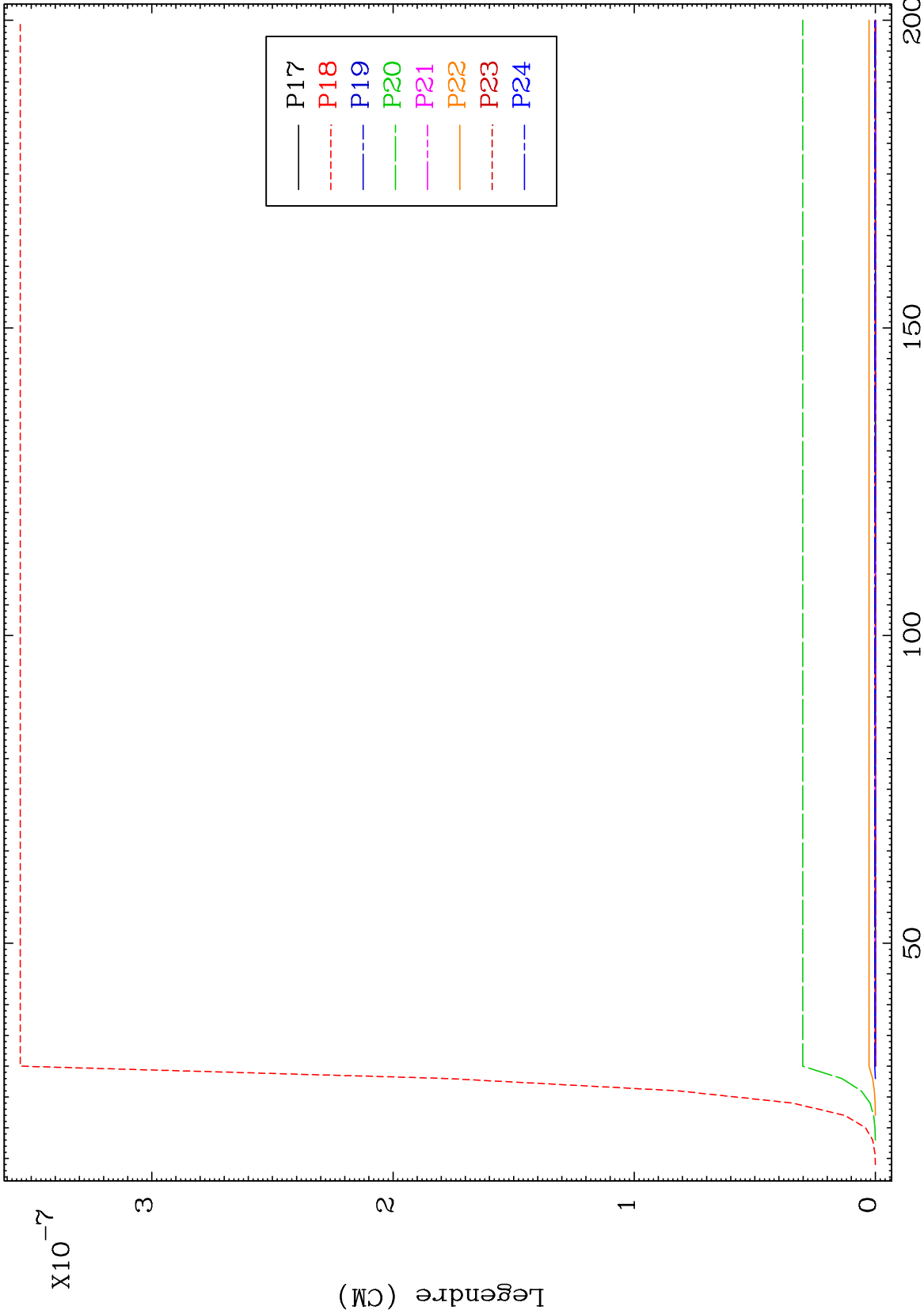
99

Incident Energy (MeV)

30-Zn-65

MAT 3028 MT= 77 (n,n') Level Legendre Coefficients

30-Zn-65



30-Zn-65

Incident Energy (MeV)

100

50

100

150

200

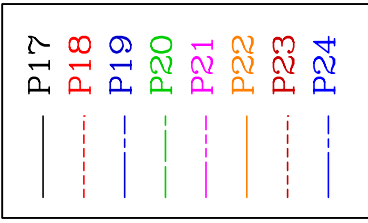
$10^{-7}$

3

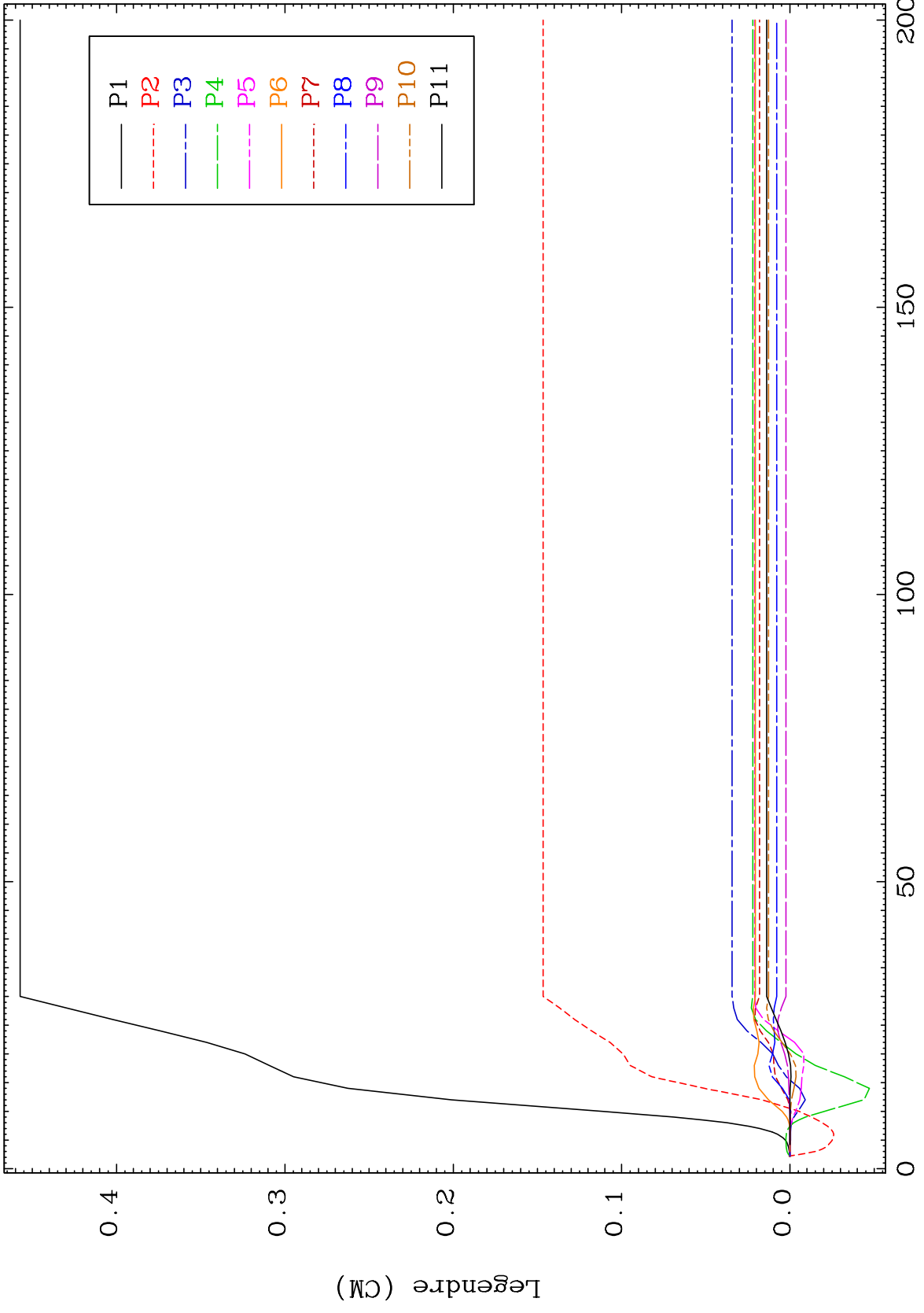
2

1

0

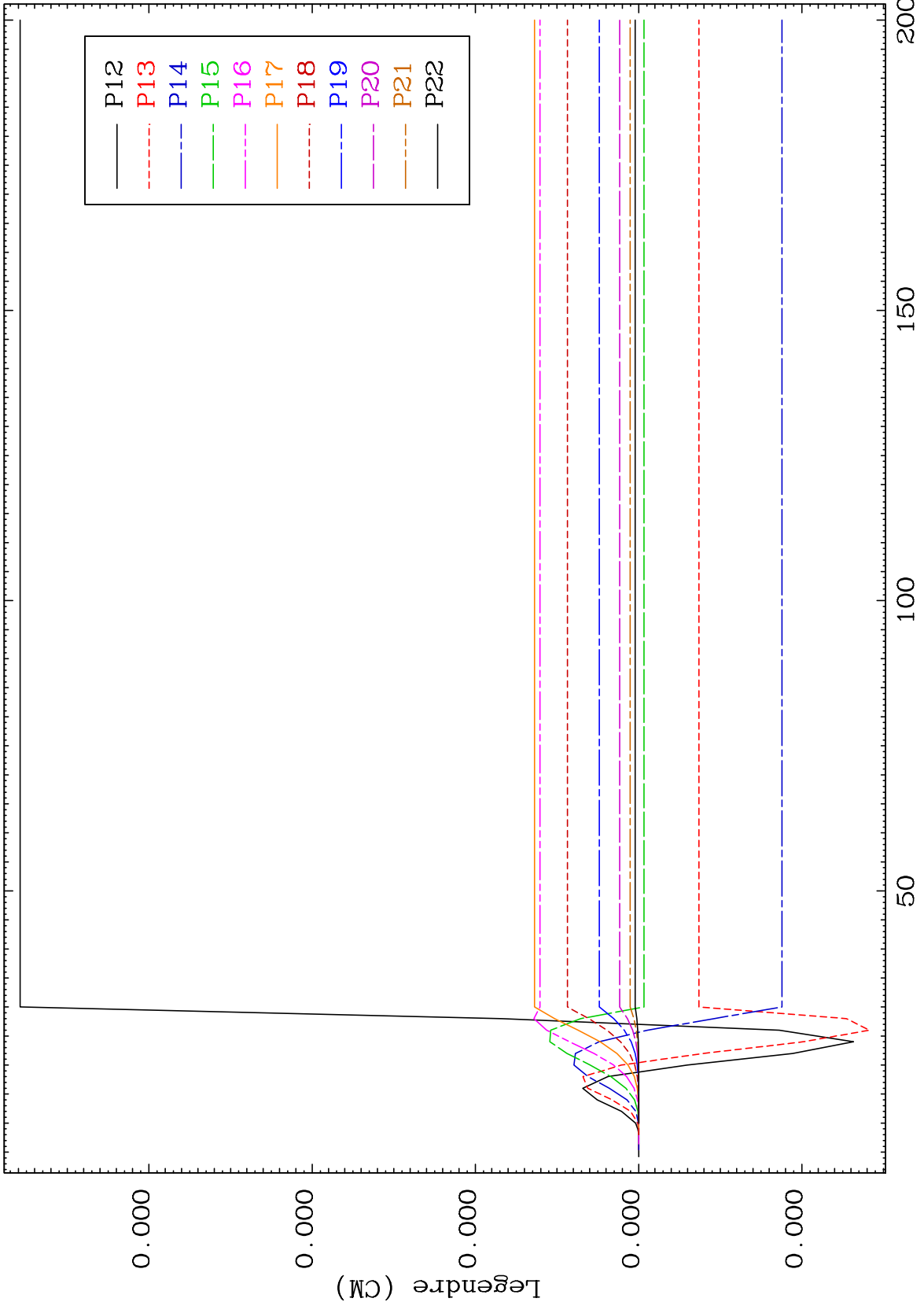


MAT 3028 MT= 78 (n,n') Level Legendre Coefficients 30-Zn-65



Legendre (CM) Incident Energy (MeV) 30-Zn-65

MAT 3028 MT= 78 (n,n') Level Legendre Coefficients 30-Zn-65

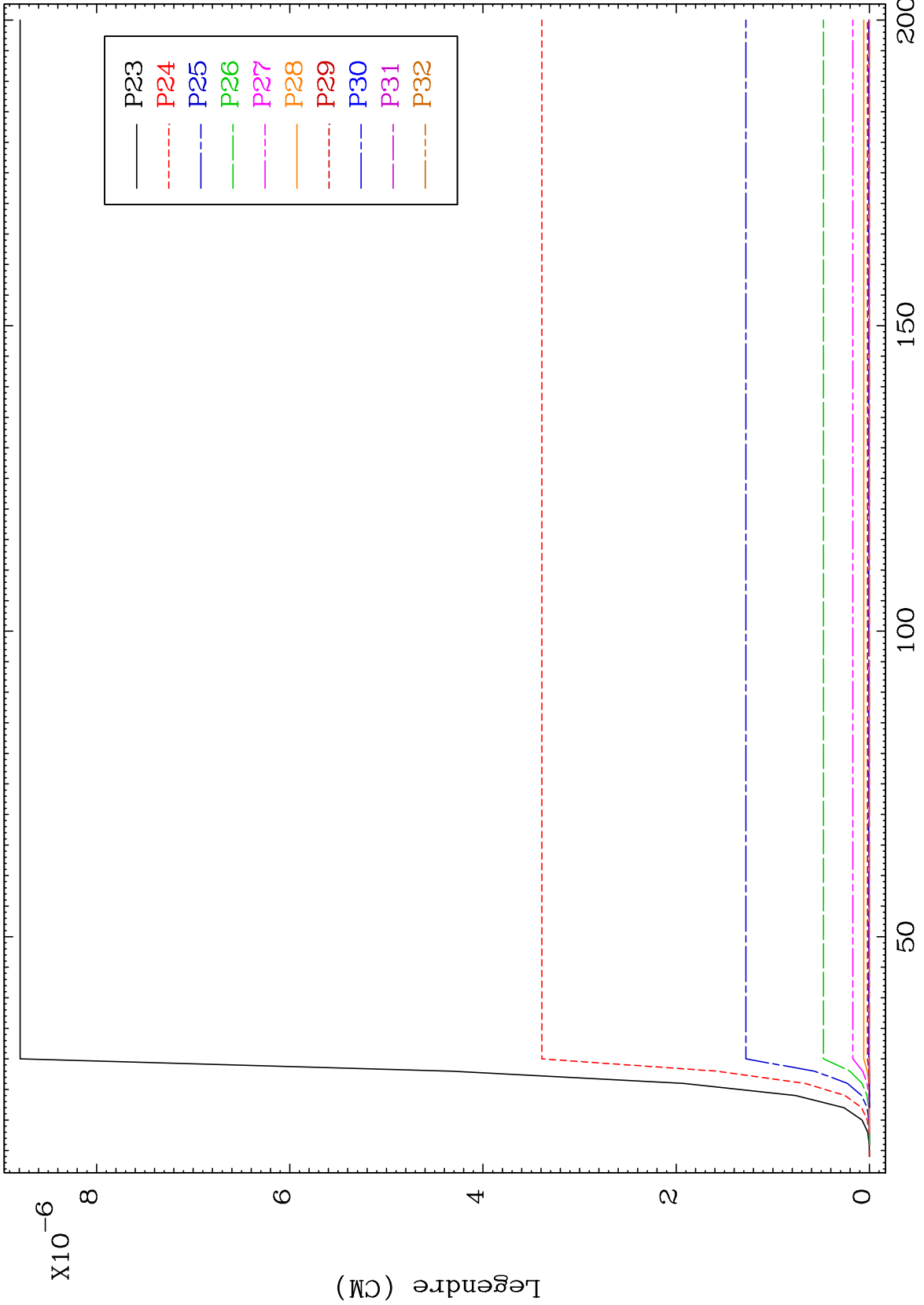


102 Incident Energy (MeV) 30-Zn-65

MAT 3028

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

30-Zn-65

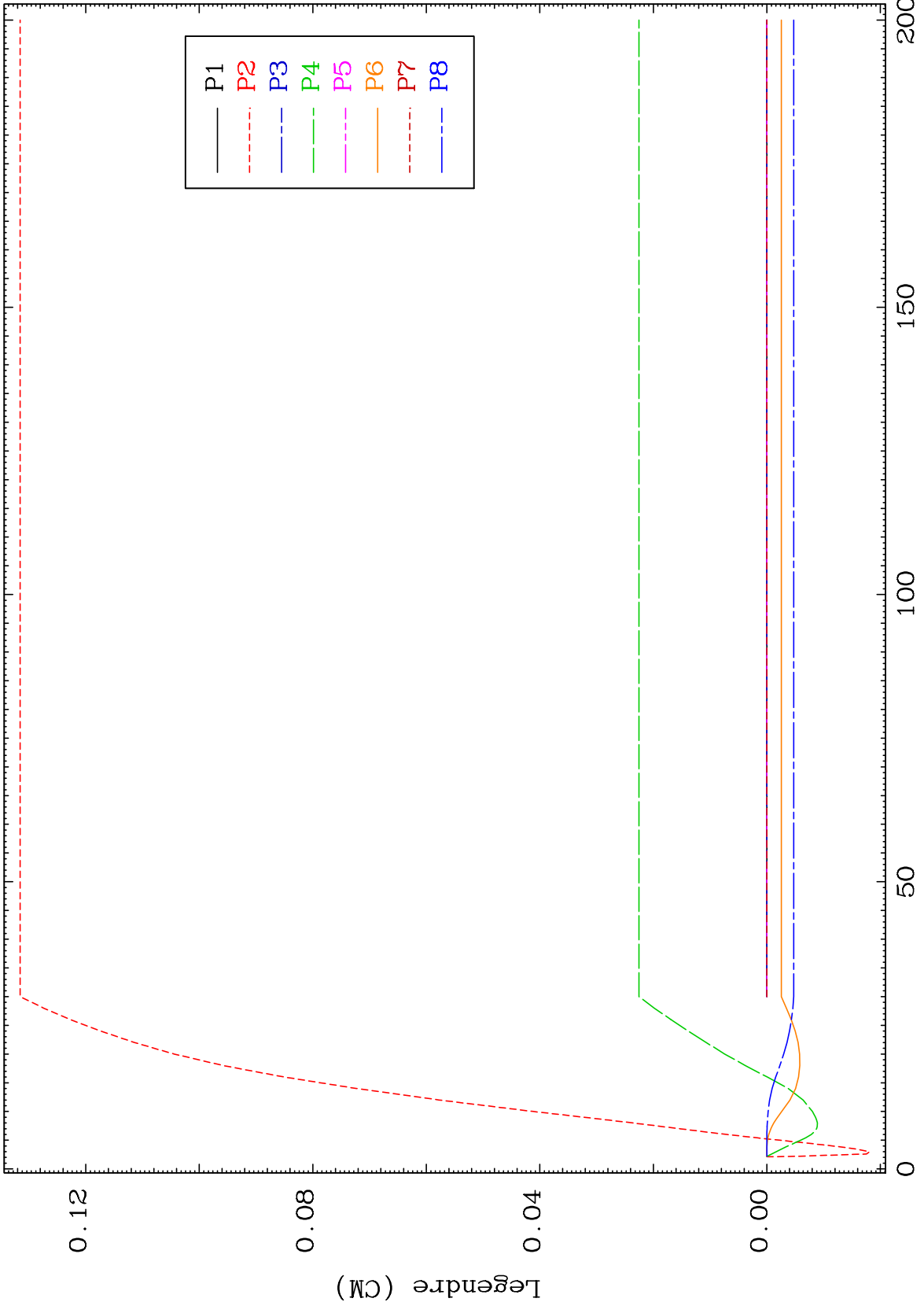


103

Incident Energy (MeV)

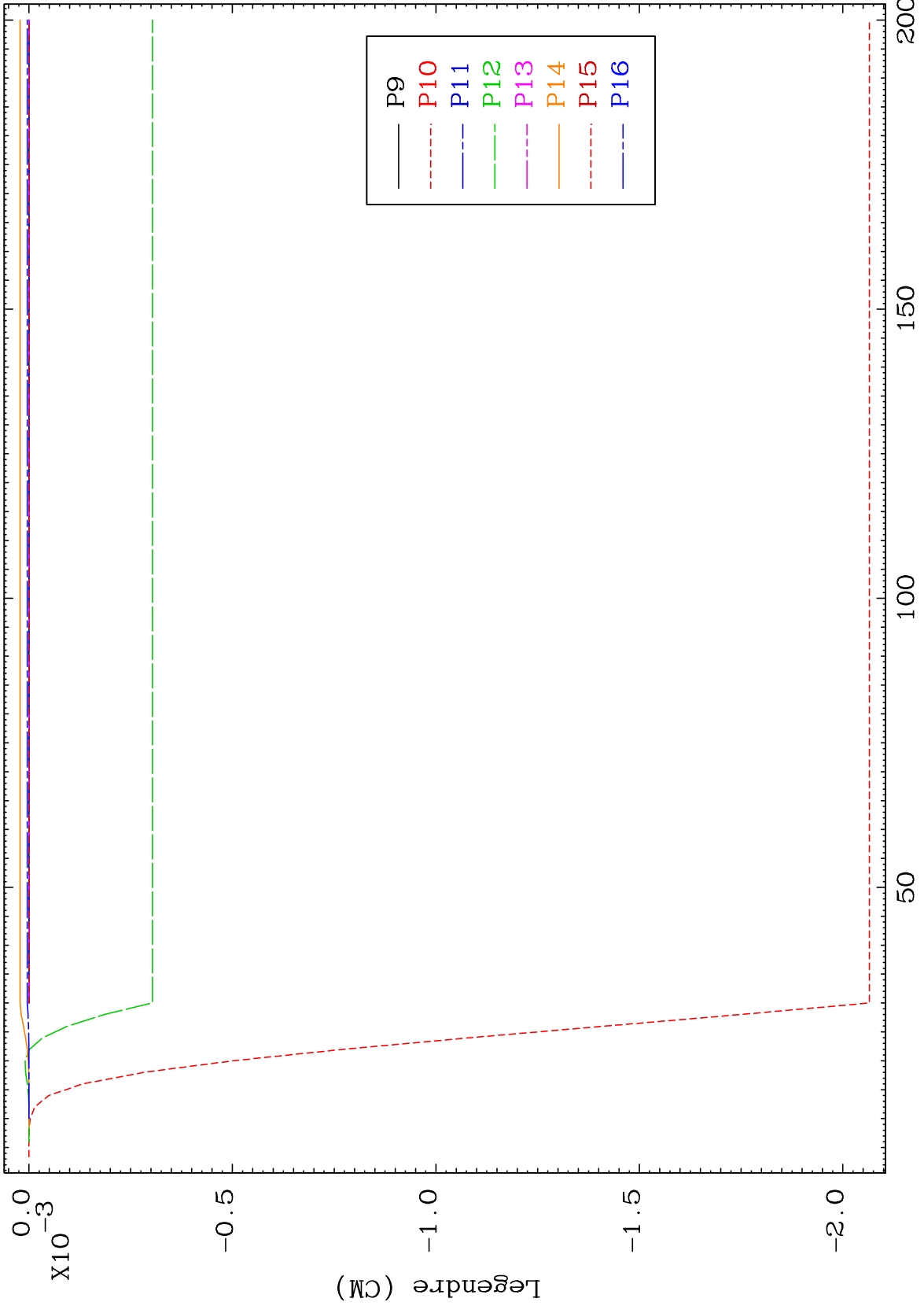
30-Zn-65

MAT 3028 MT= 79 (n,n') Level Legendre Coefficients 30-Zn-65



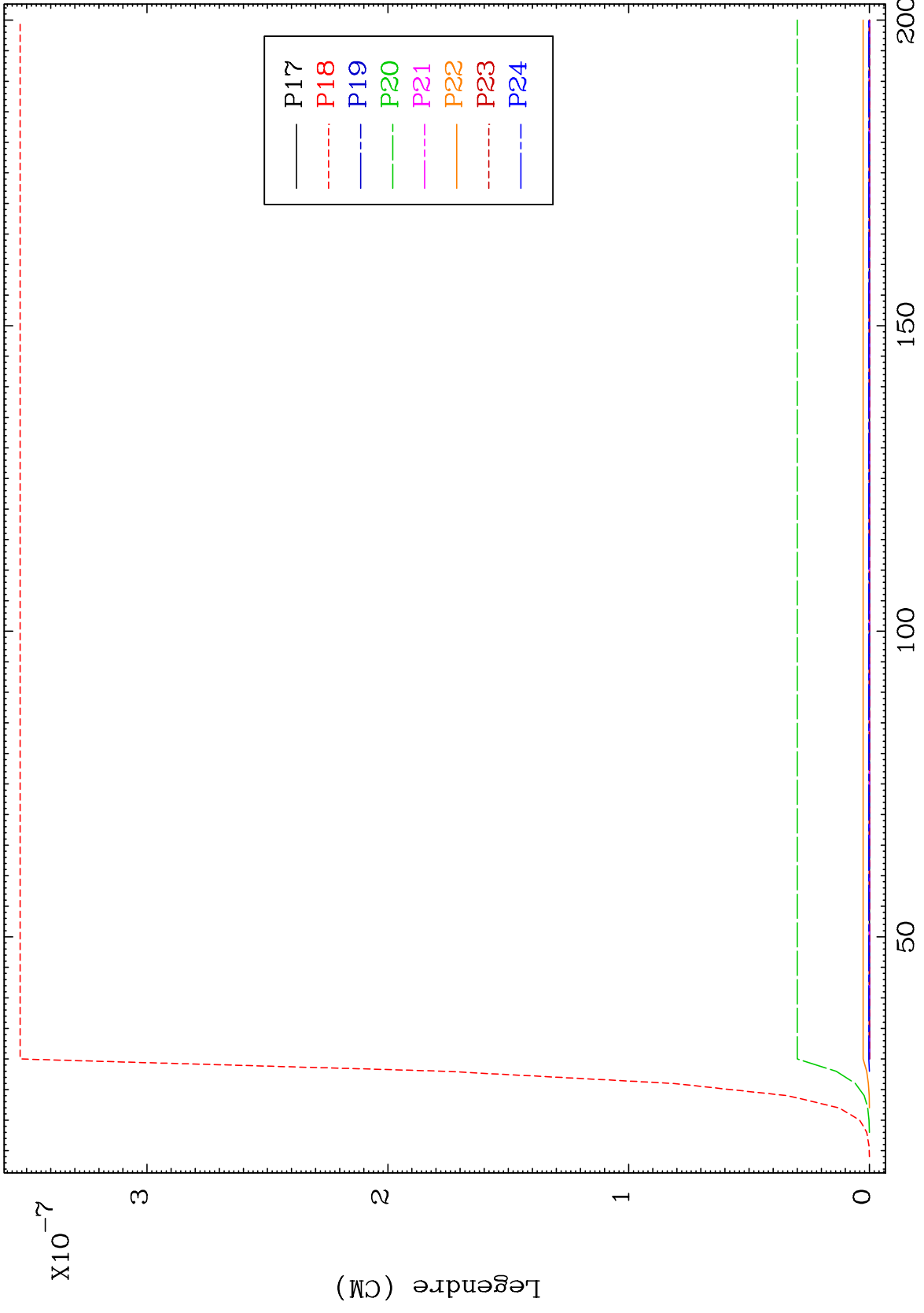
104 Incident Energy (MeV) 30-Zn-65

MAT 3028 MT= 79 (n,n') Level Legendre Coefficients 30-Zn-65

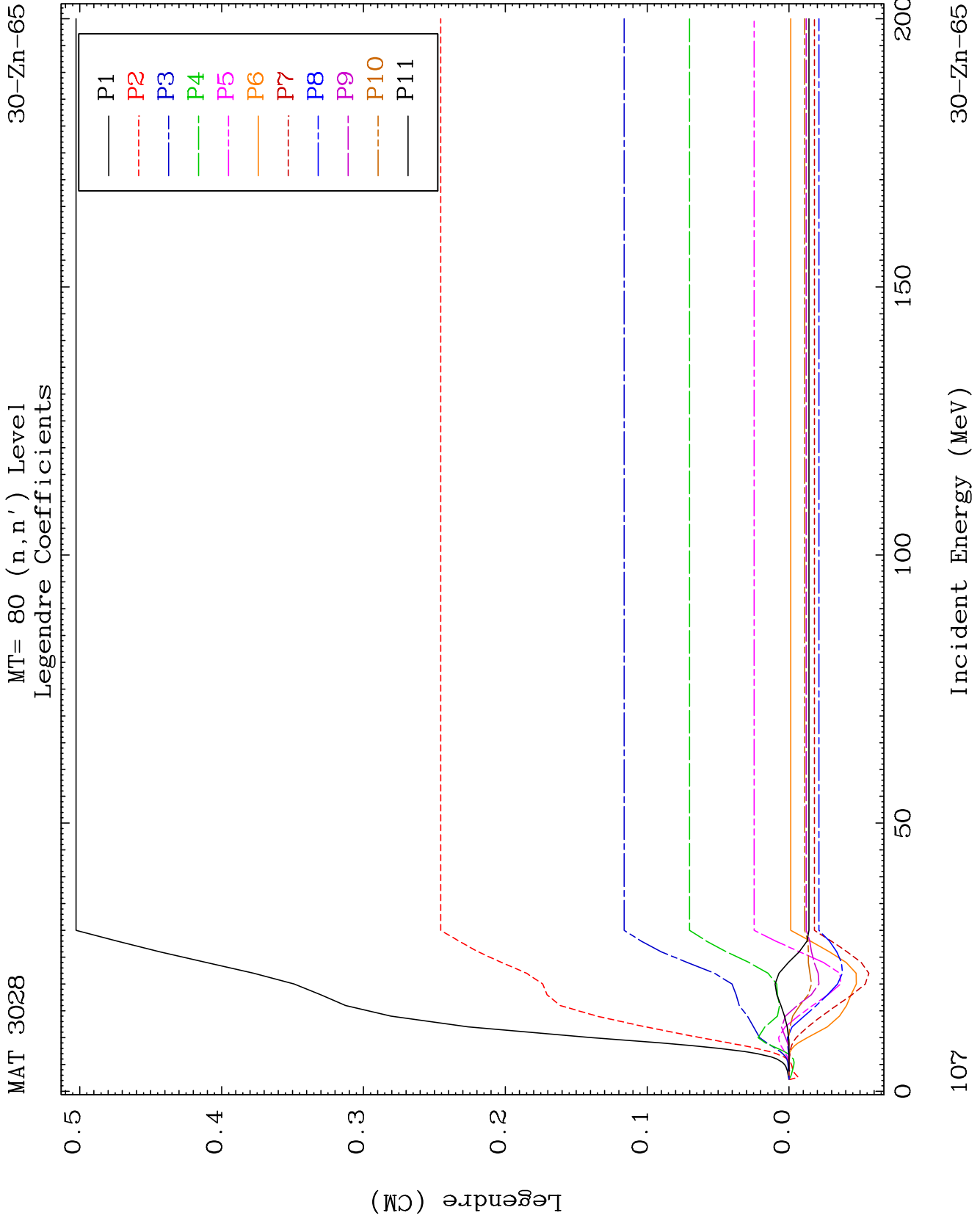


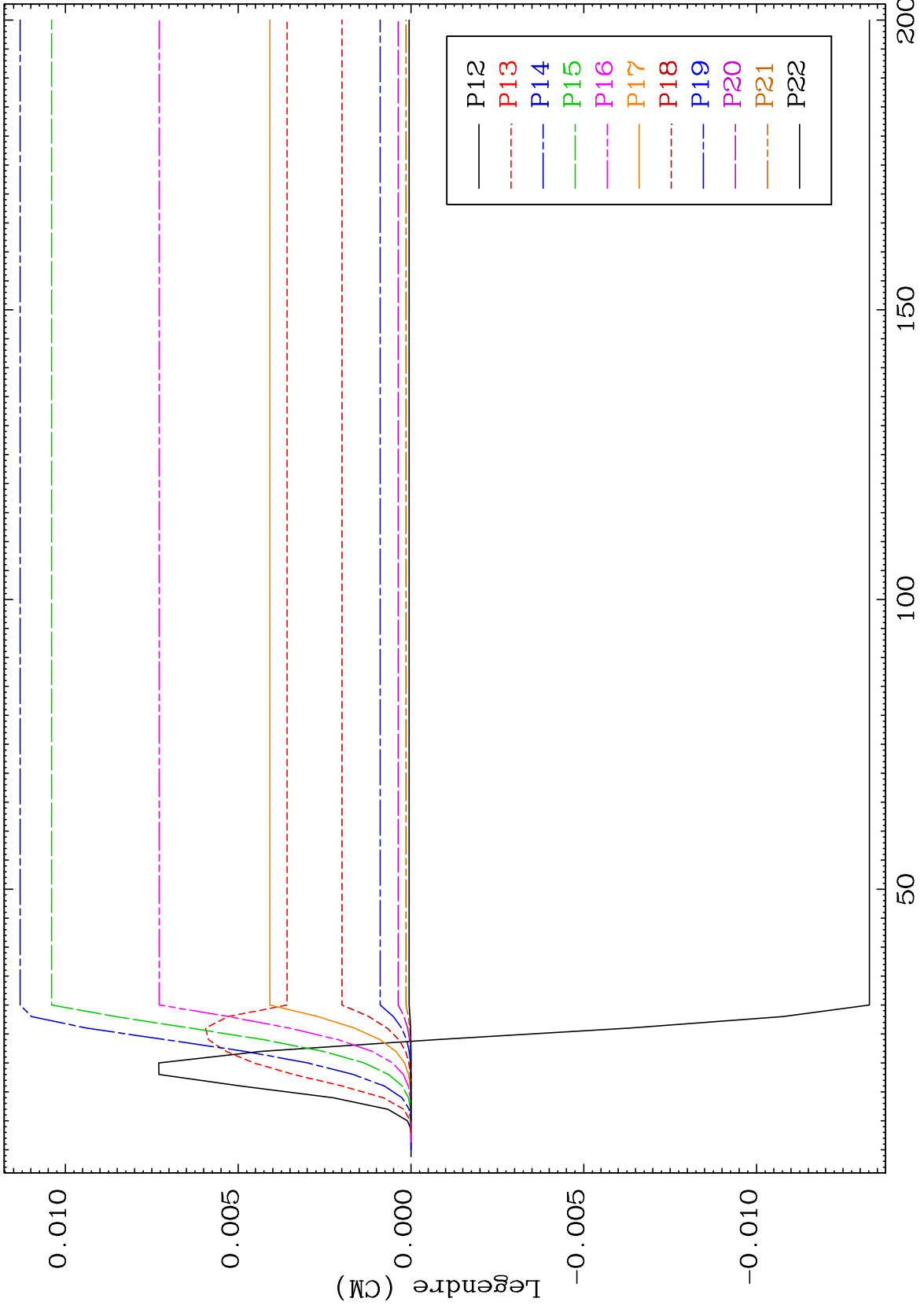
105 Incident Energy (MeV) 200 30-Zn-65

MAT 3028 MT= 79 (n,n') Level Legendre Coefficients 30-Zn-65

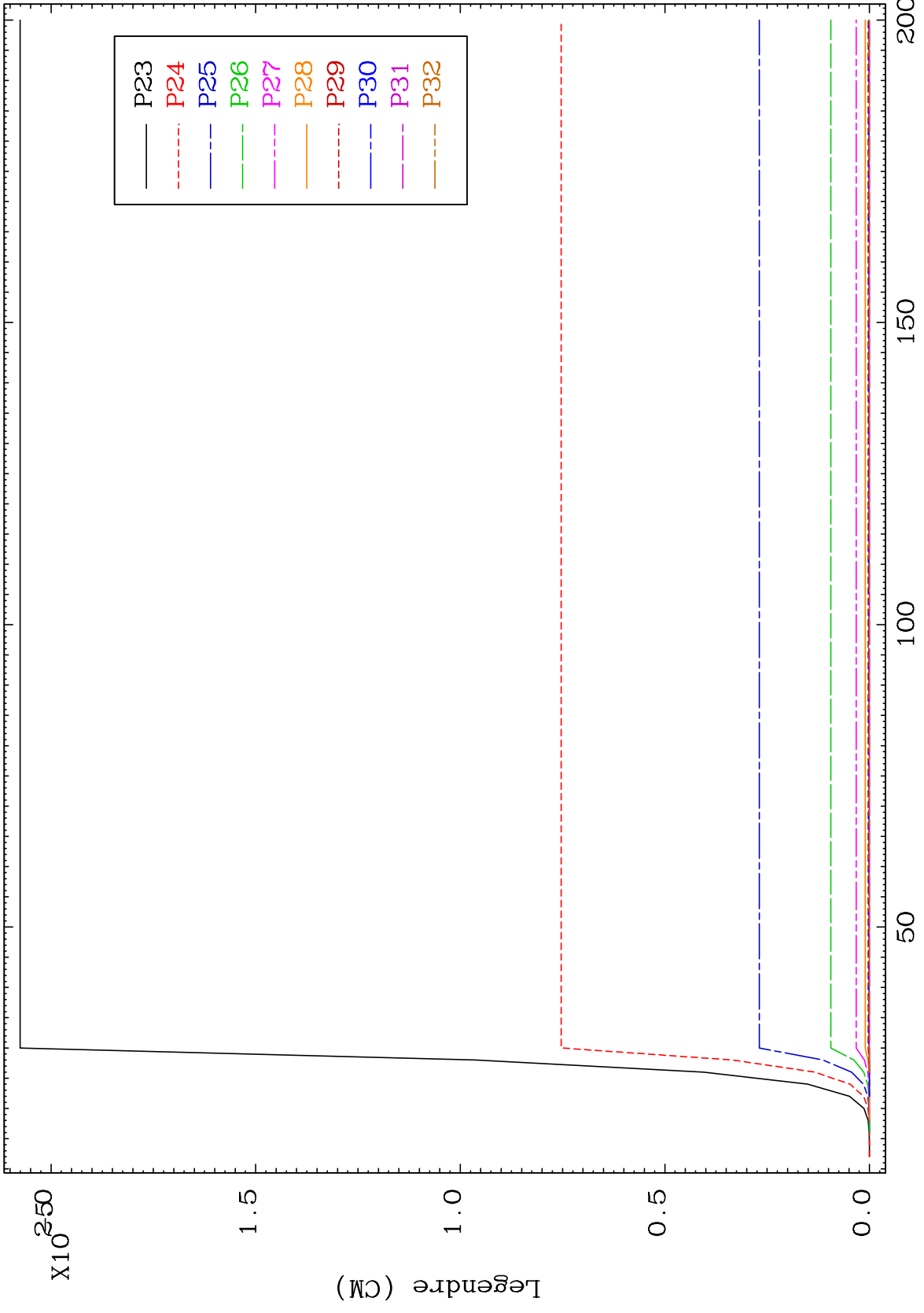


106 Incident Energy (MeV) 30-Zn-65





MAT 3028 MT= 80 (n,n') Level Legendre Coefficients 30-Zn-65



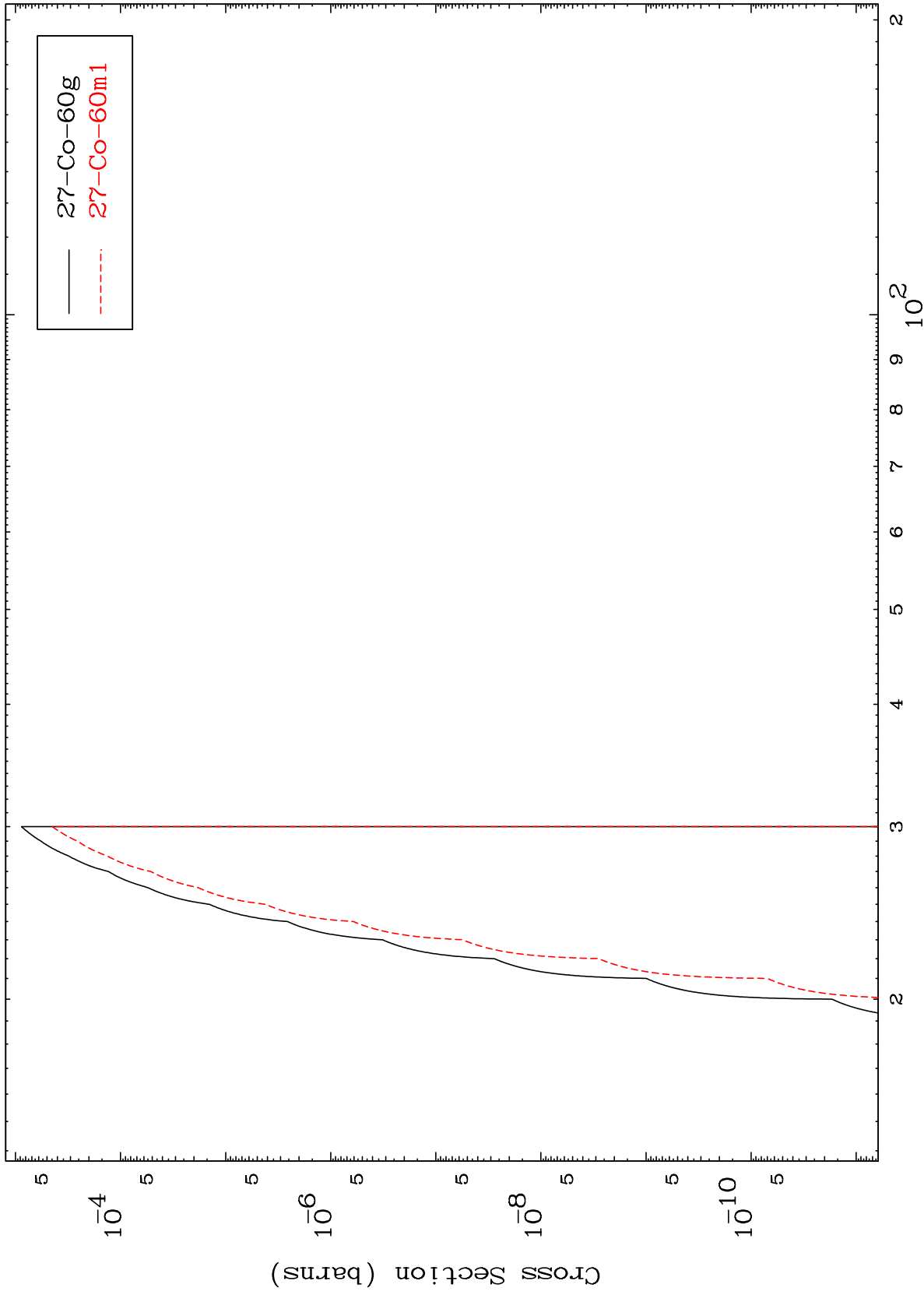
Incident Energy (MeV) 30-Zn-65

MAT 3028

(n,n') p  $\alpha$

30-Zn-65

Radionuclide Production Cross Section



110

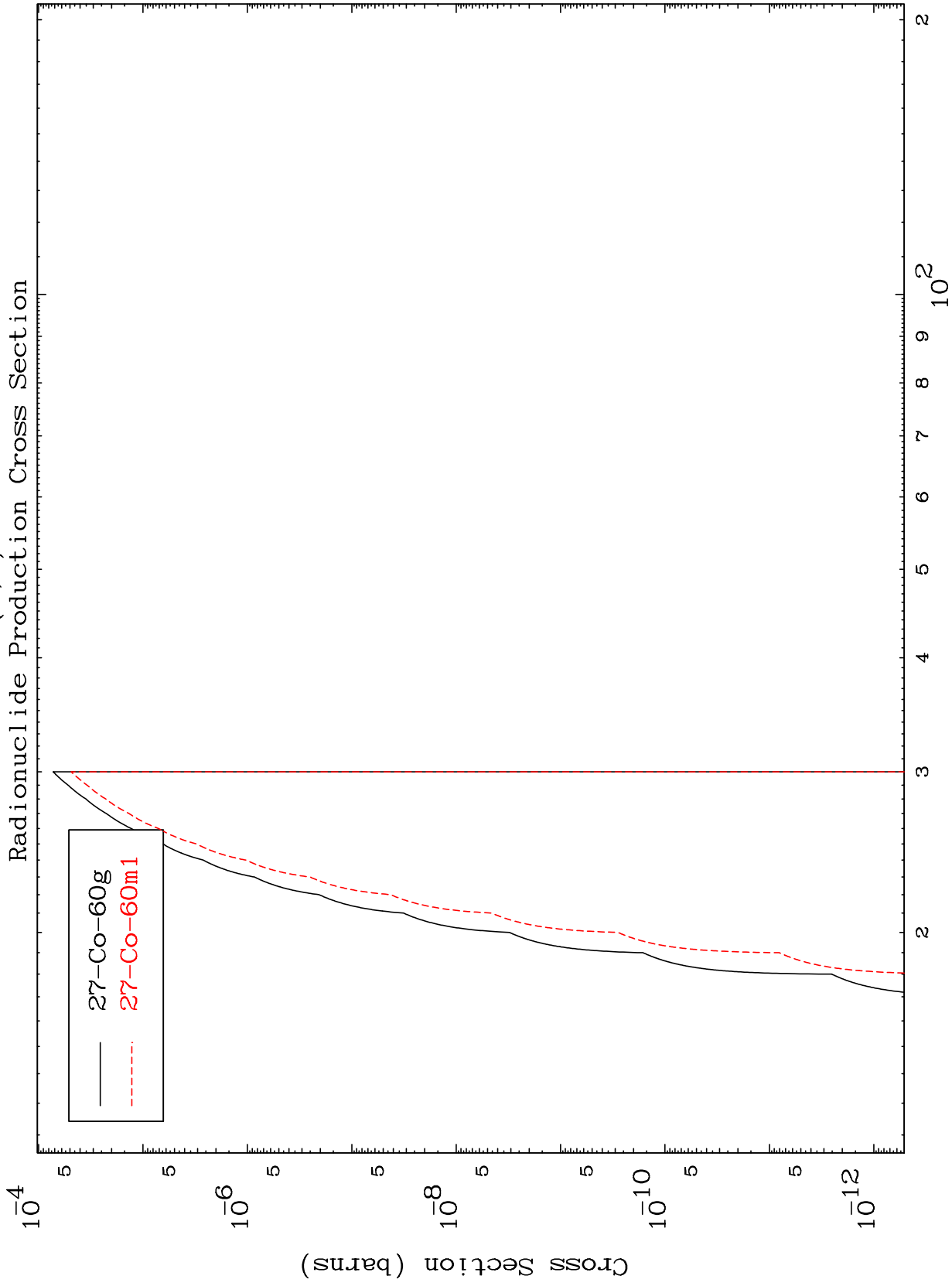
Incident Energy (MeV)

30-Zn-65

MAT 3028

(n,d)  $\alpha$

30-Zn-65



111

Incident Energy (MeV)

30-Zn-65