

Program EVALPLOT  
(Version 2018-1)

by

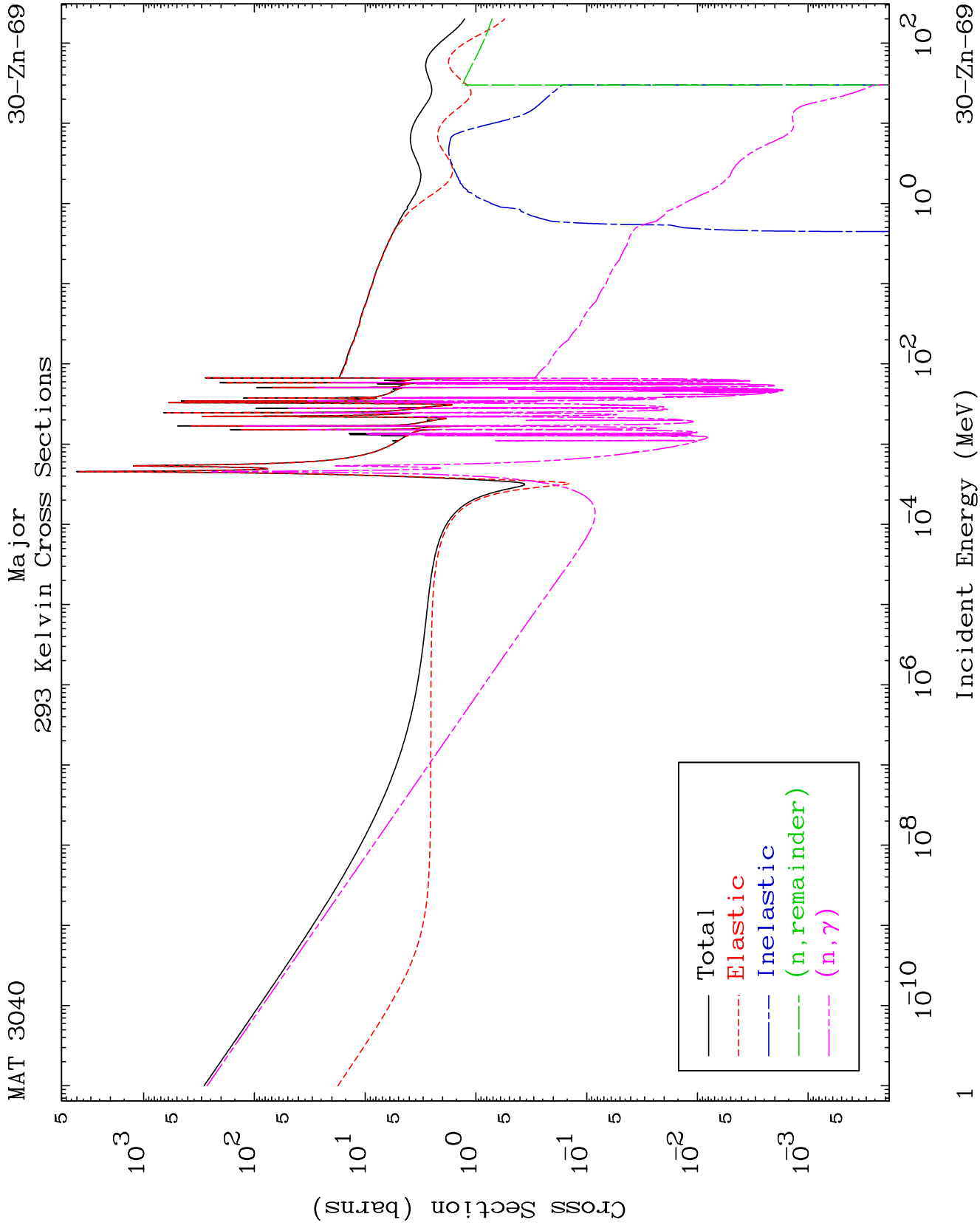
Dermott E. Cullen  
(Present Contact Information)

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

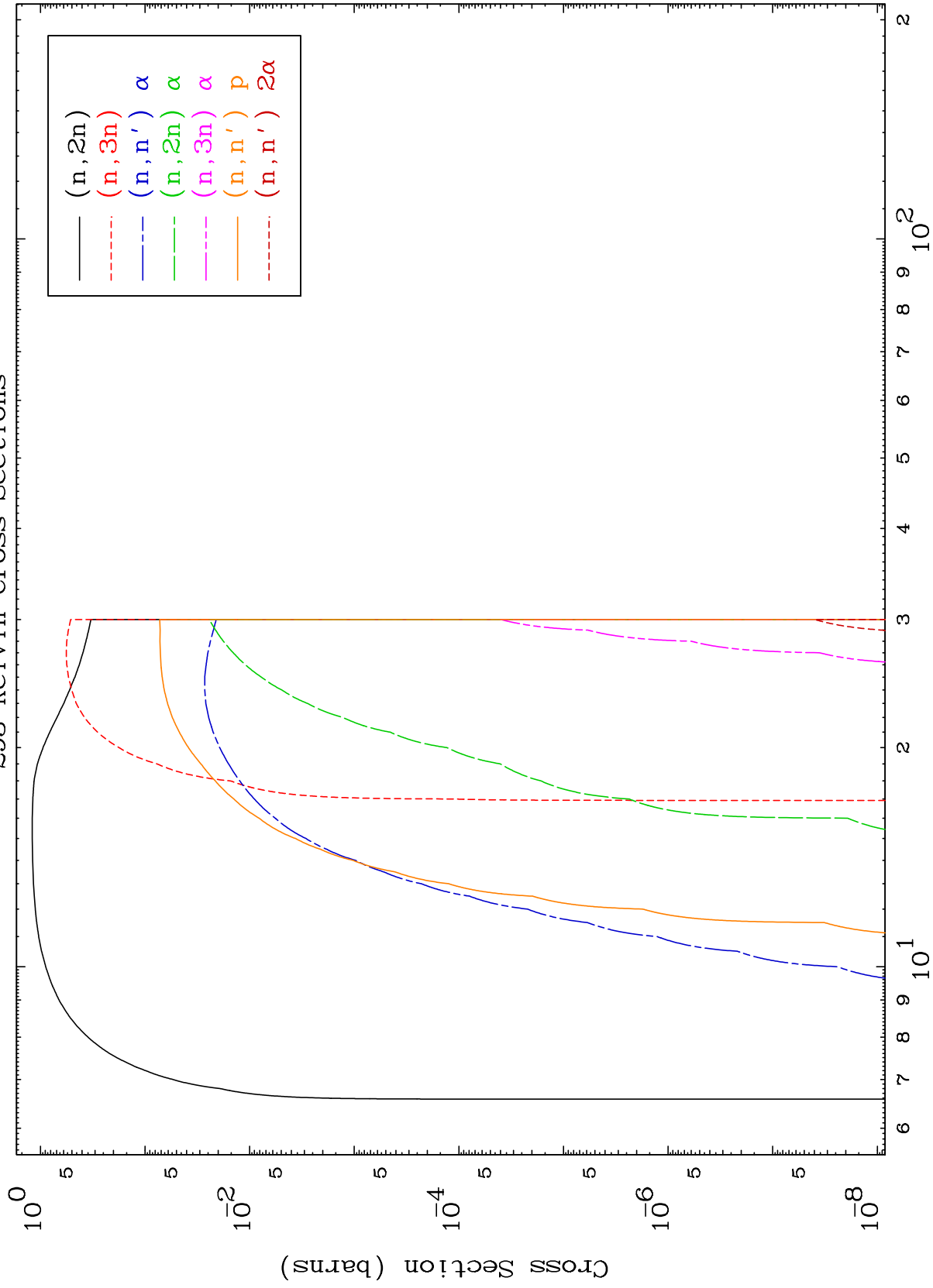
Press Mouse Button to Start



MAT 3040

### Neutron Production 293 Kelvin Cross Sections

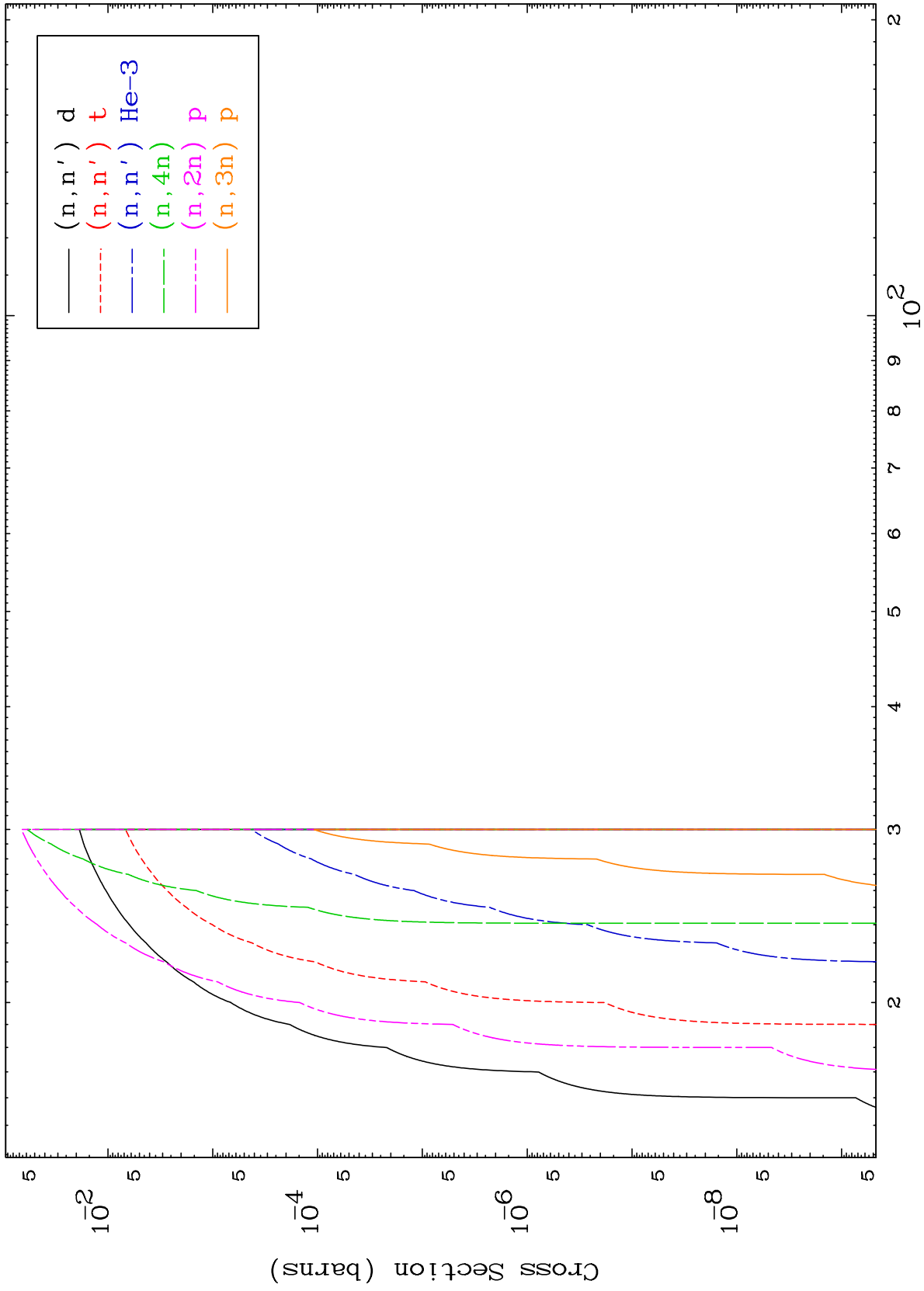
30-Zn-69



MAT 3040

Neutron Production  
293 Kelvin Cross Sections

30-Zn-69



3

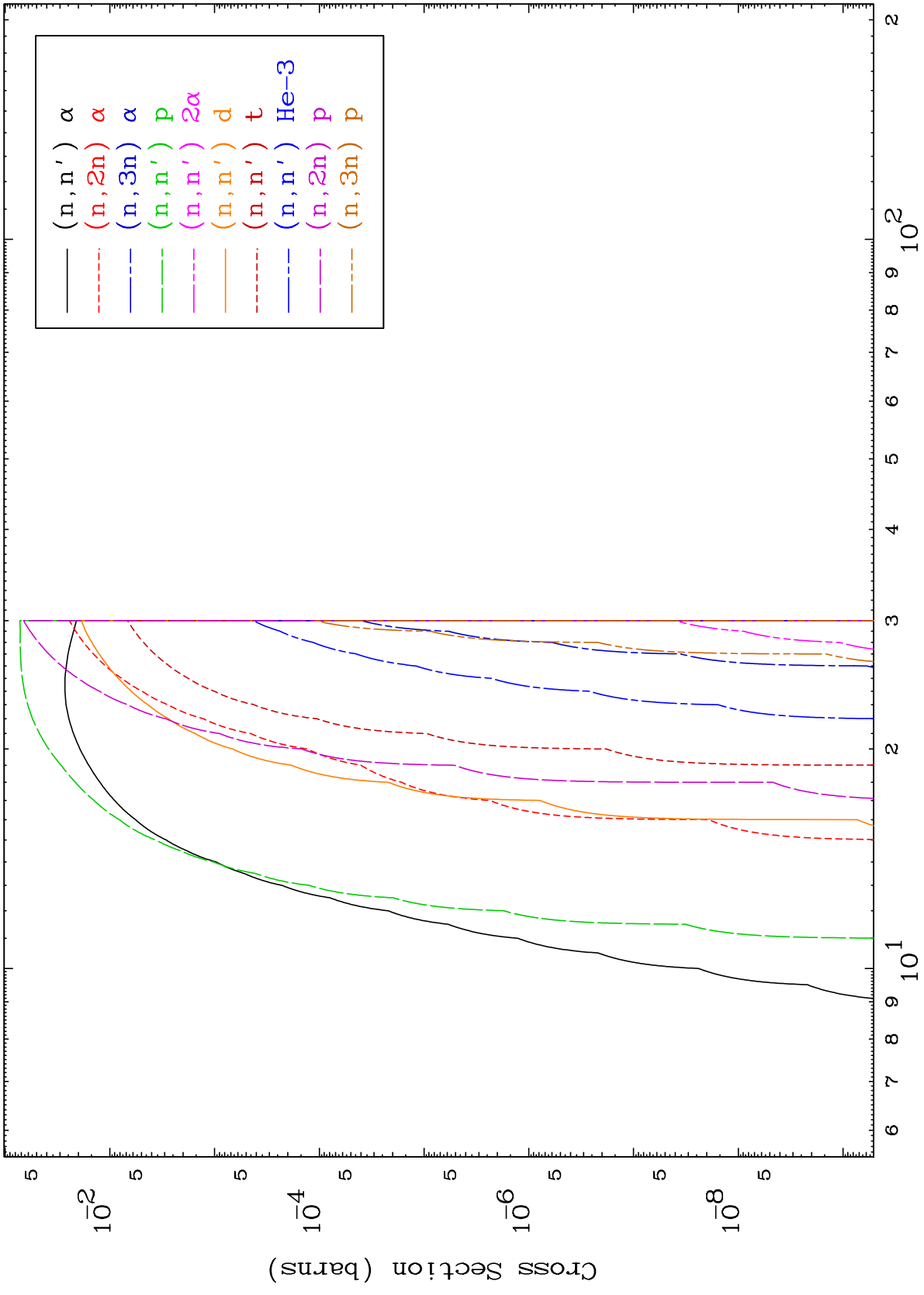
Incident Energy (MeV)

30-Zn-69

MAT 3040

Charged Particle  
293 Kelvin Cross Sections

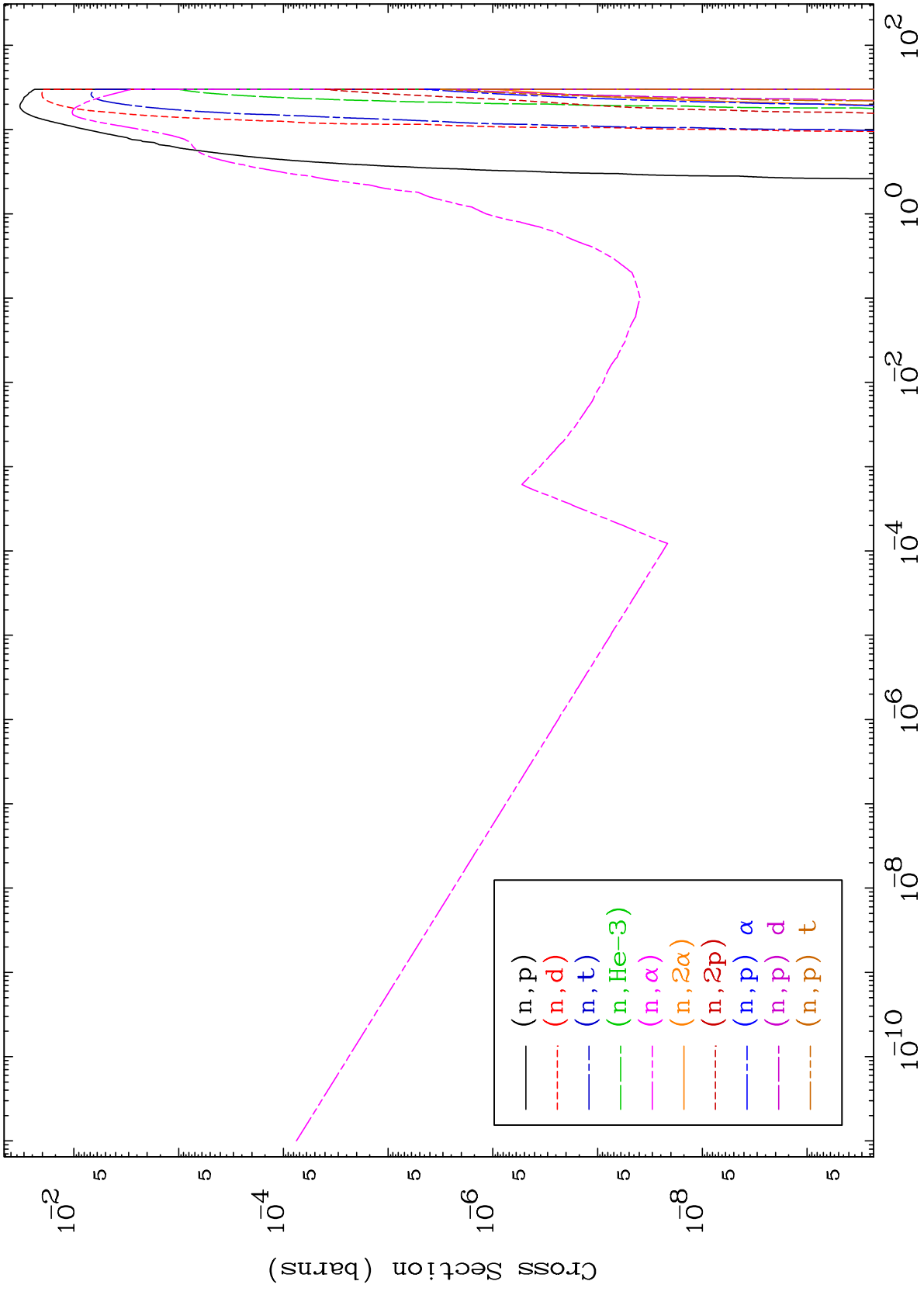
30-Zn-69



MAT 3040

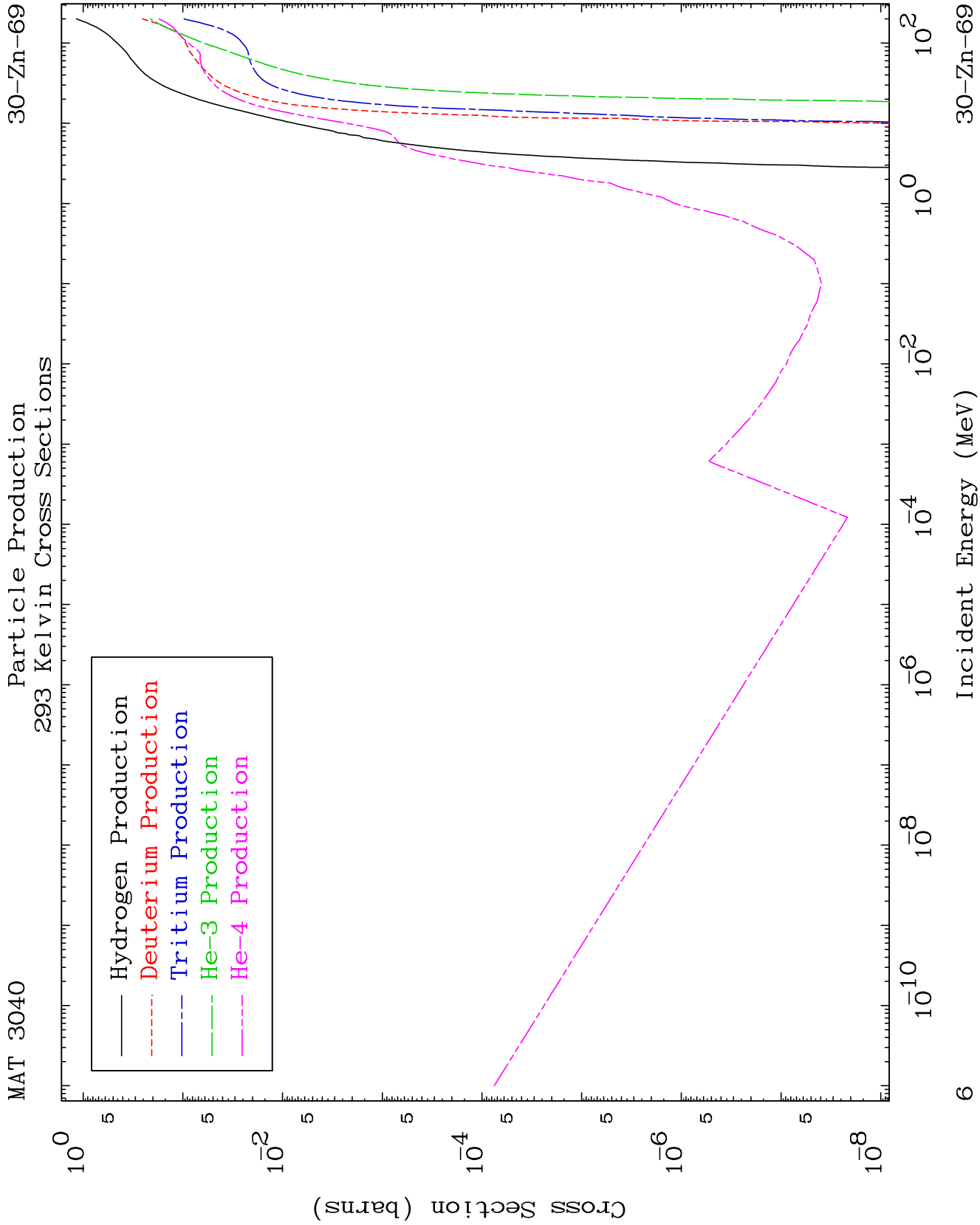
Charged Particle  
293 Kelvin Cross Sections

30-Zn-69



5

30-Zn-69

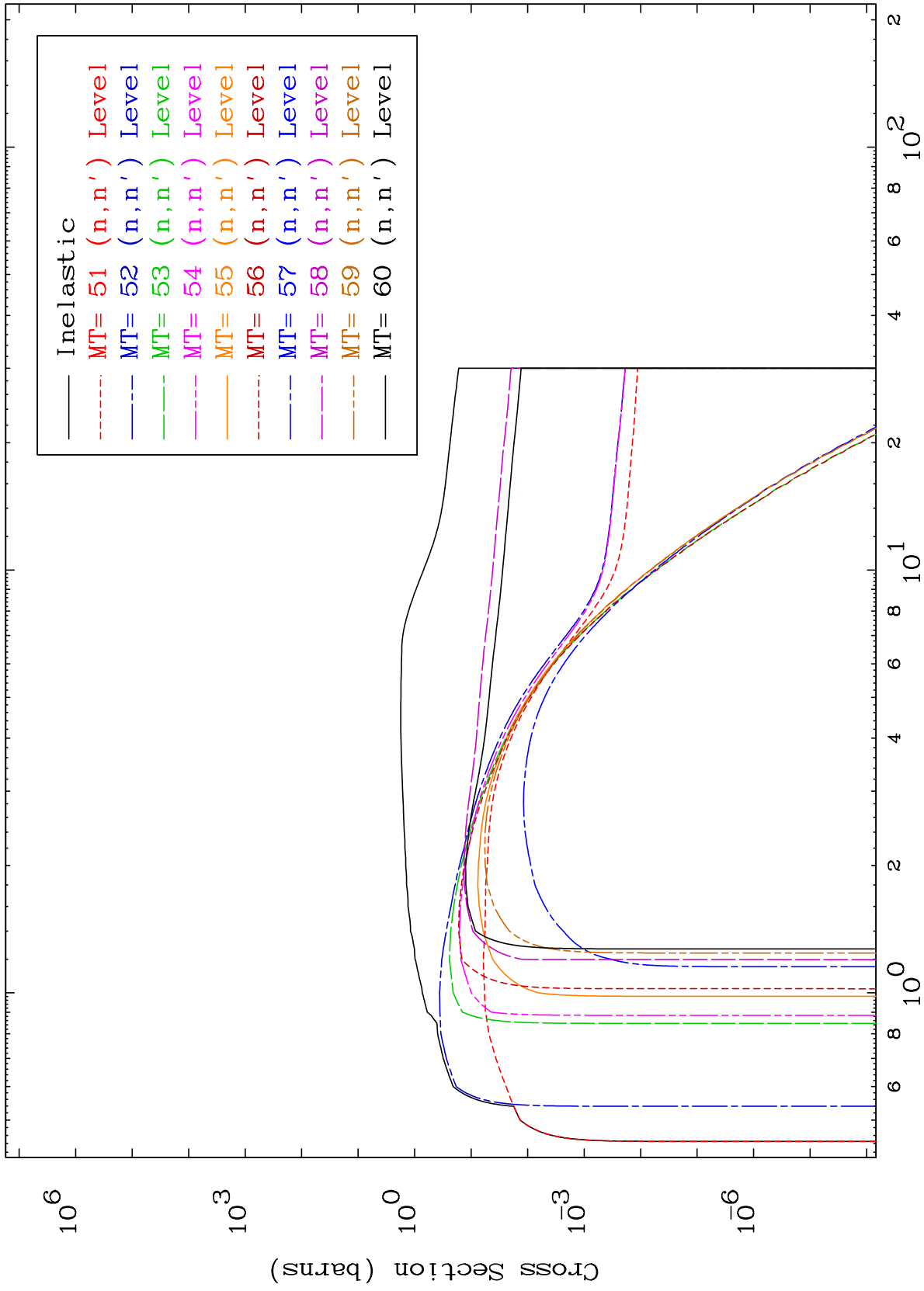


MAT 3040

(n,n') Level

30-Zn-69

293 Kelvin Cross Sections



7

Incident Energy (MeV)

30-Zn-69

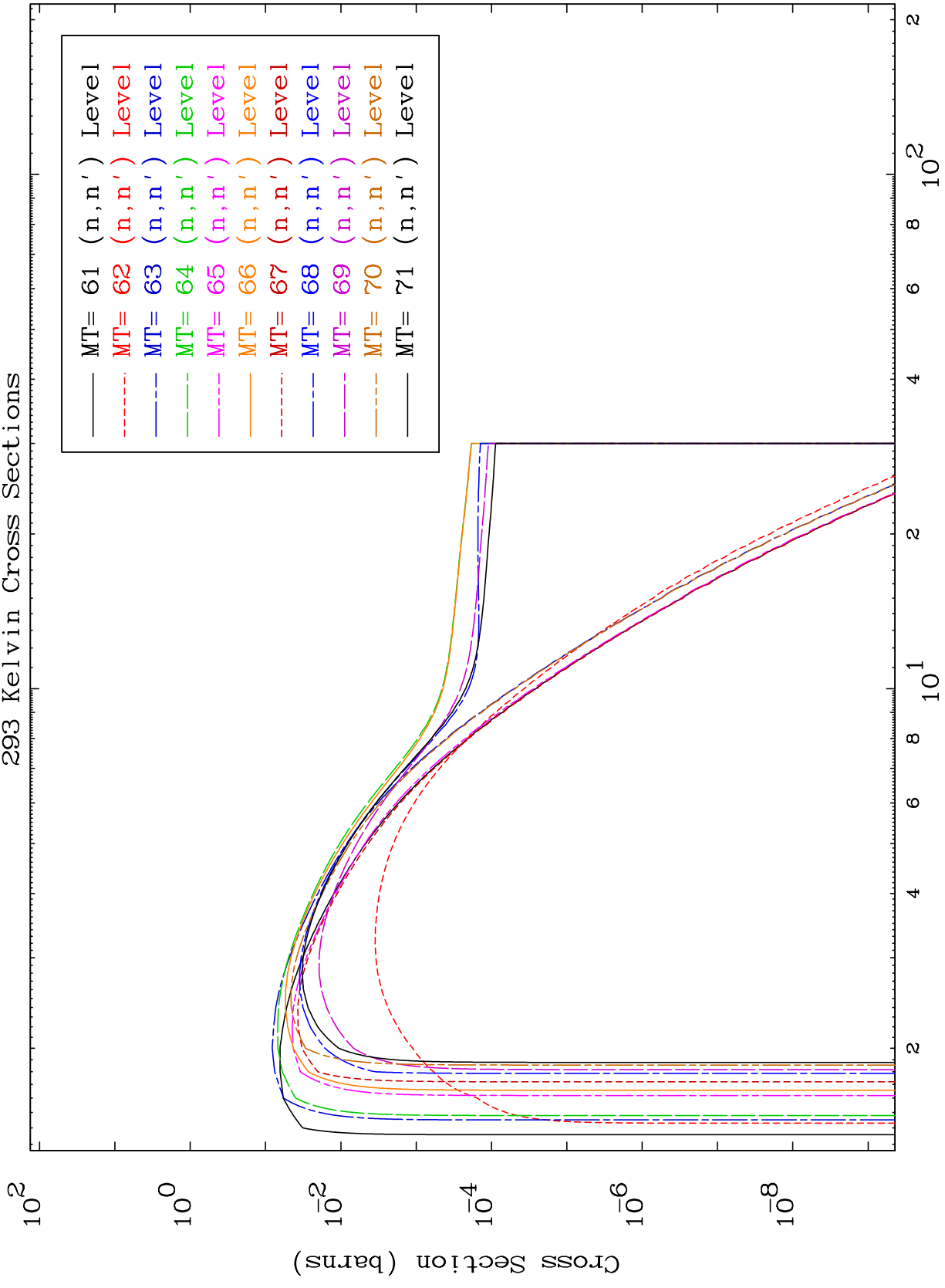


MAT 3040

(n,n') Level

293 Kelvin Cross Sections

30-Zn-69



8

Incident Energy (MeV)

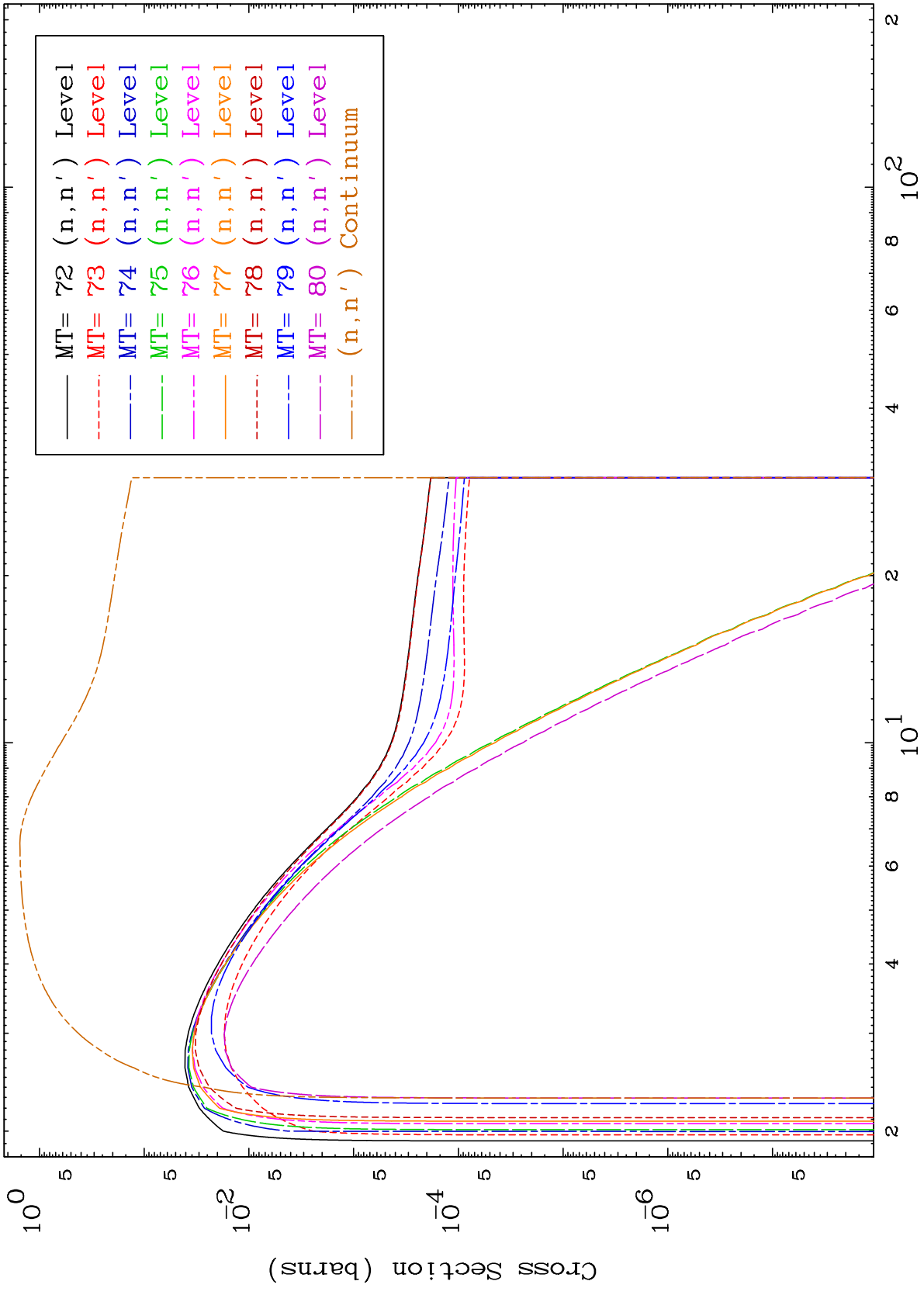
30-Zn-69

MAT 3040

(n,n') Level

30-Zn-69

293 Kelvin Cross Sections

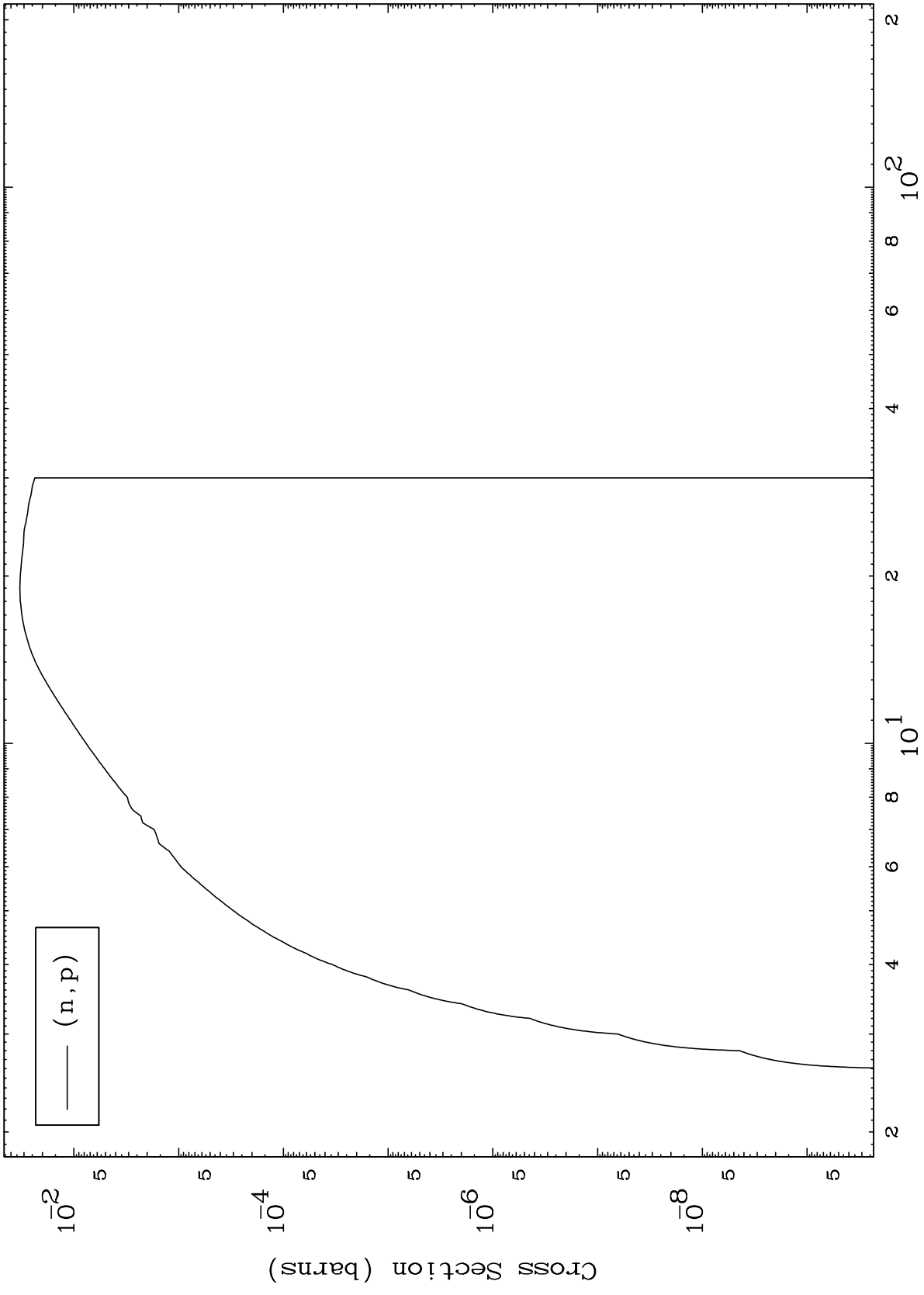


9

MAT 3040

(n,p) Levels  
293 Kelvin Cross Sections

30-Zn-69



10

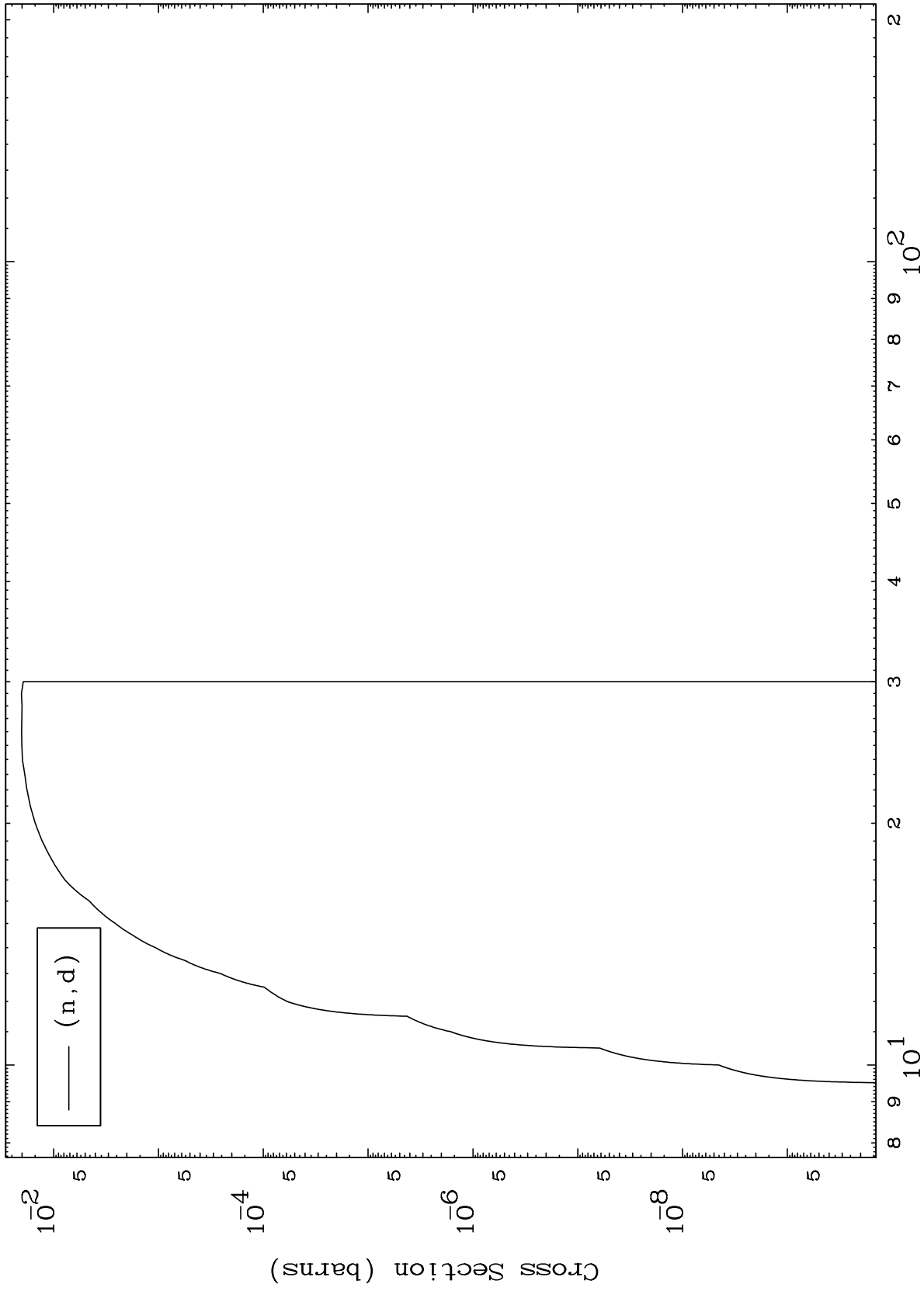
Incident Energy (MeV)

30-Zn-69

MAT 3040

(n,d) Levels  
293 Kelvin Cross Sections

30-Zn-69



11

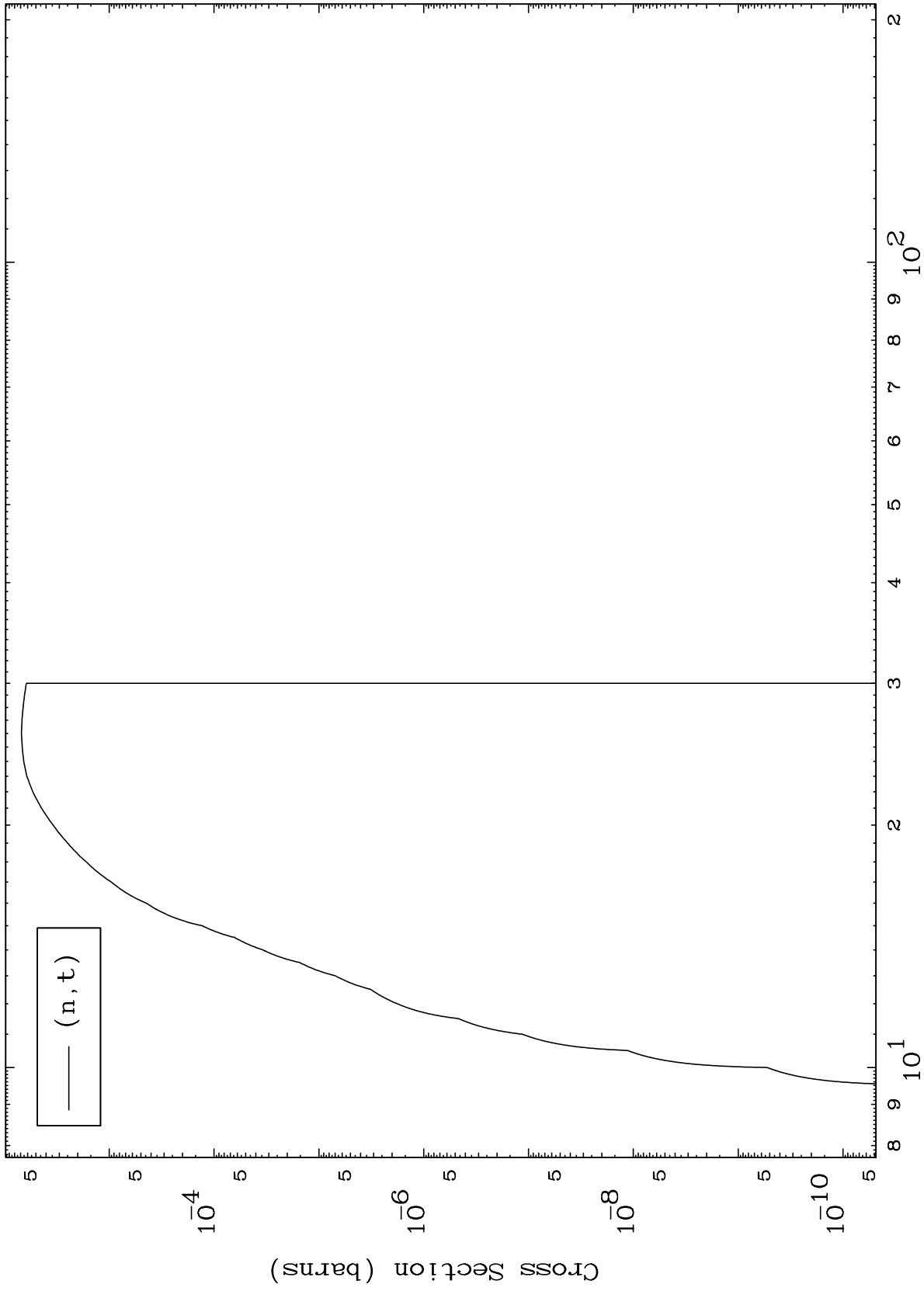
Incident Energy (MeV)

30-Zn-69

MAT 3040

(n,t) Levels  
293 Kelvin Cross Sections

30-Zn-69



12

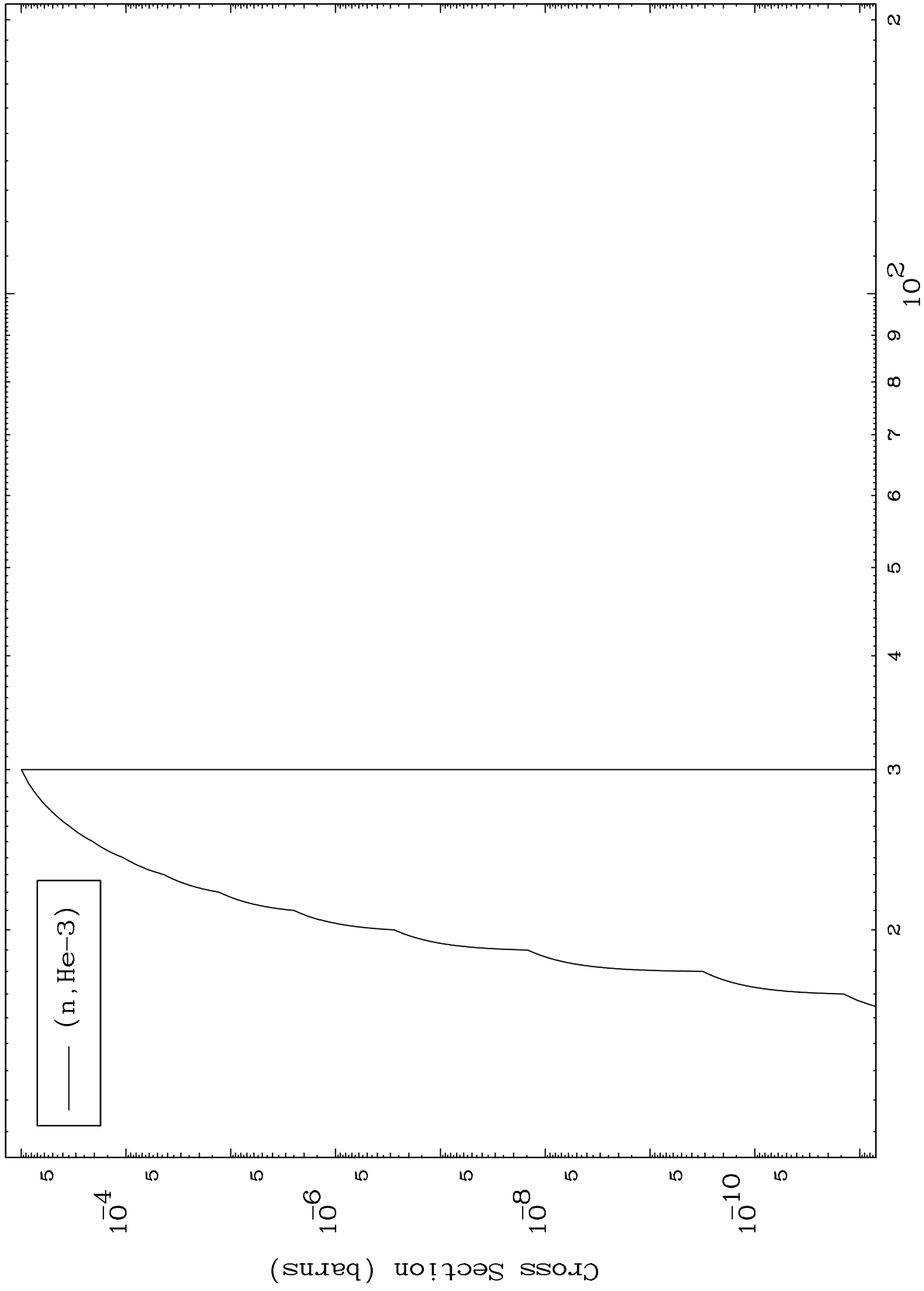
Incident Energy (MeV)

30-Zn-69

MAT 3040

(n,He3) Levels  
293 Kelvin Cross Sections

30-Zn-69



13

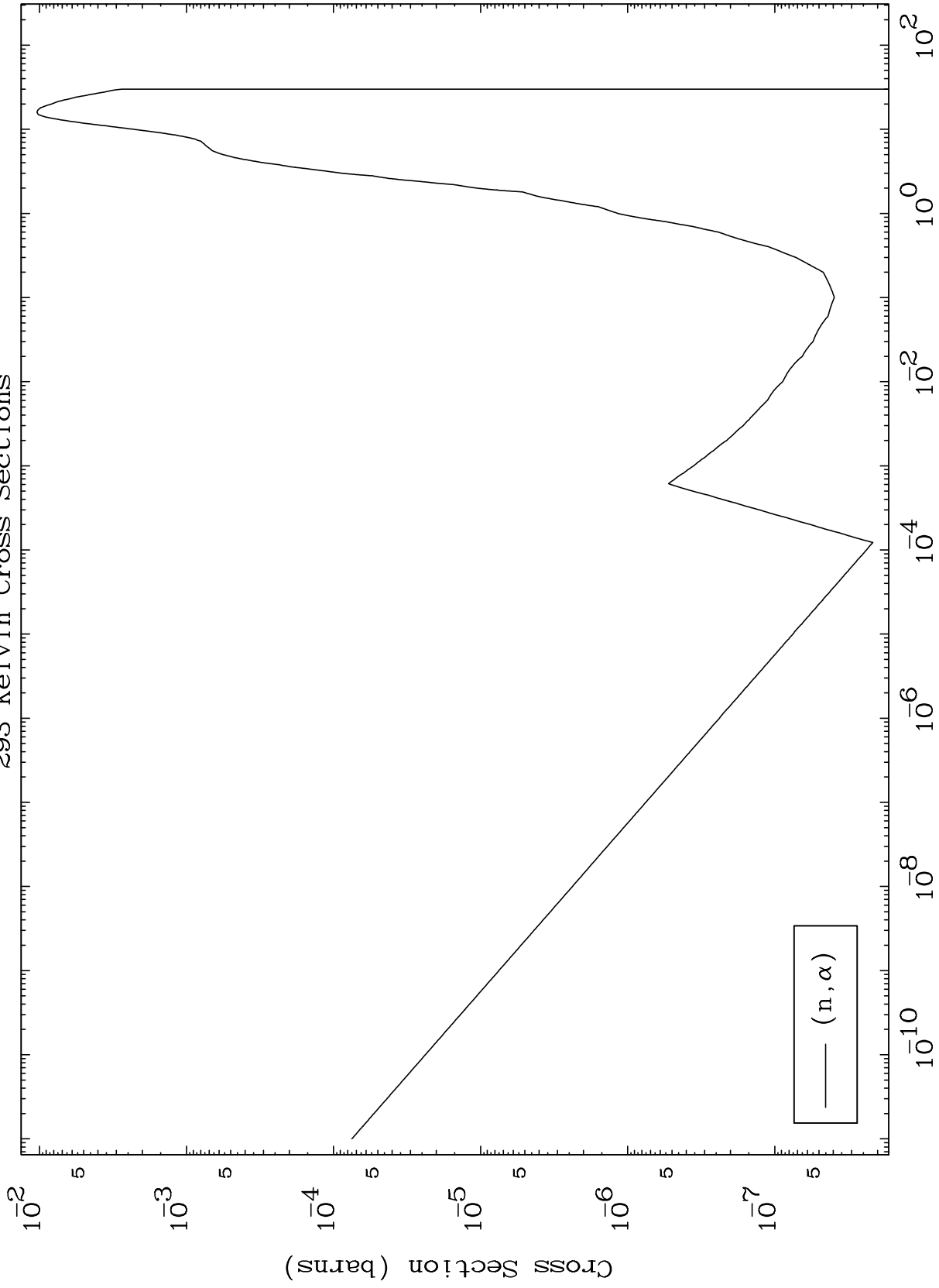
Incident Energy (MeV)

30-Zn-69

MAT 3040

(n,α) Levels  
293 Kelvin Cross Sections

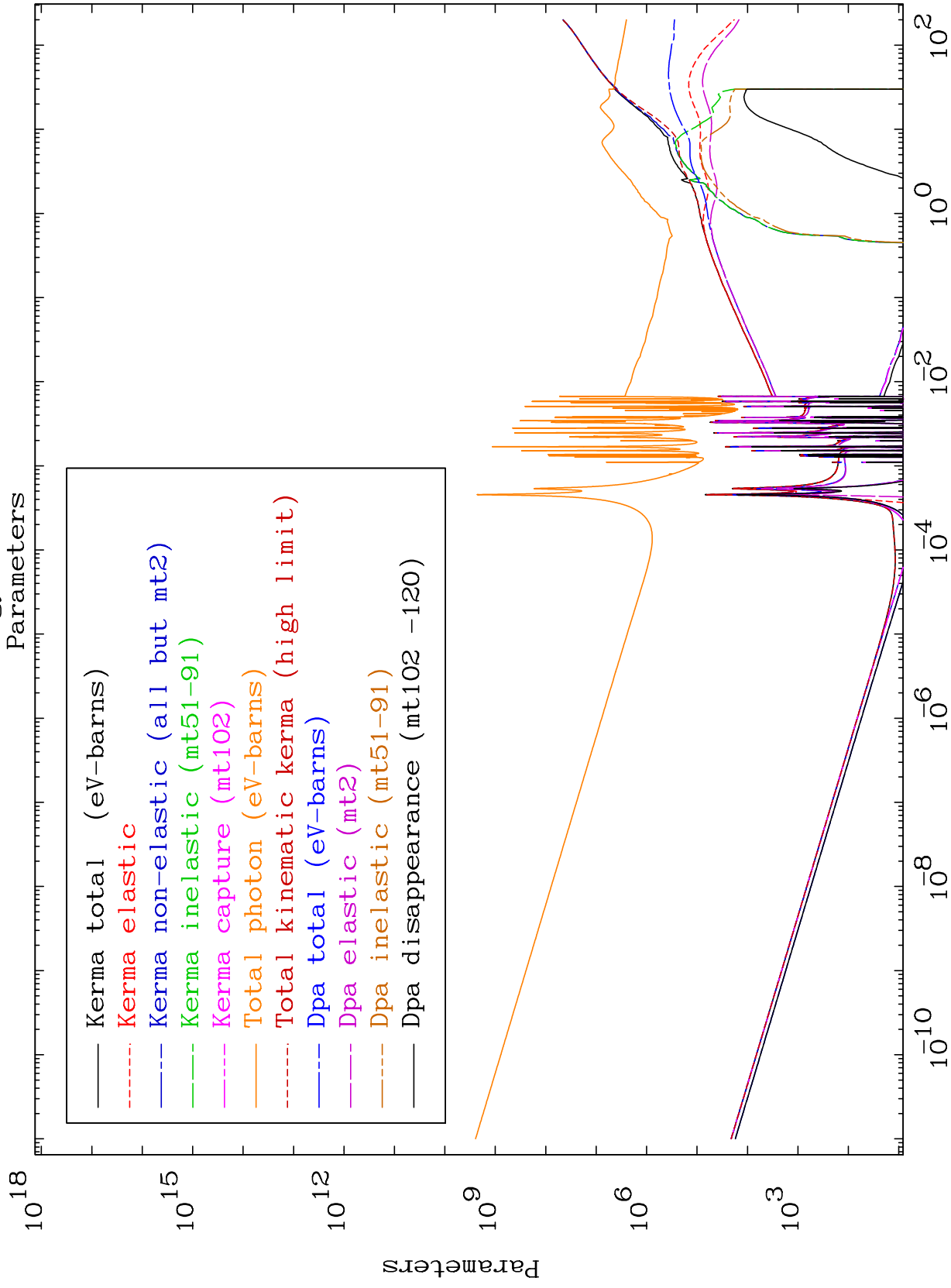
30-Zn-69



MAT 3040

Energy Release  
Parameters

30-Zn-69

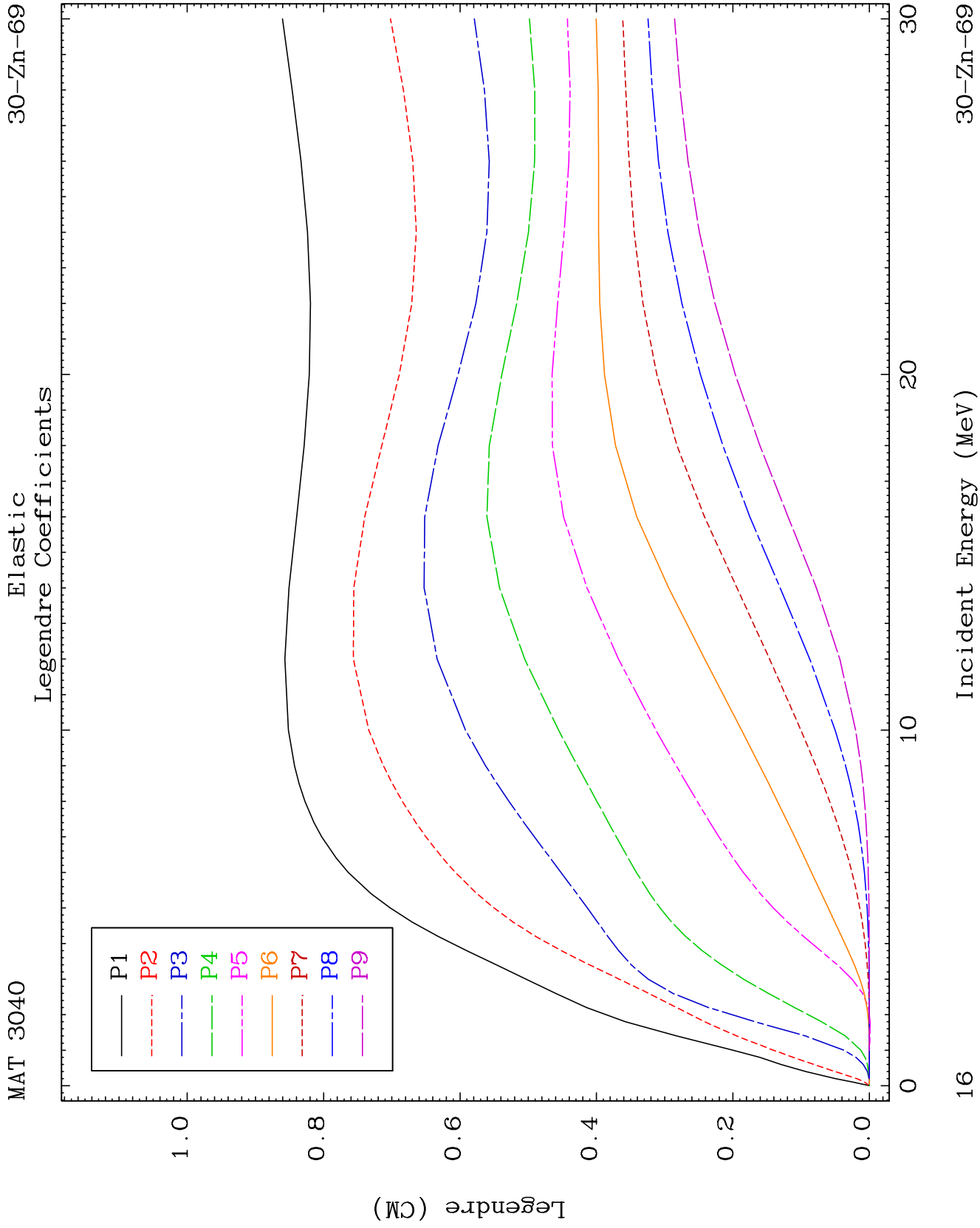


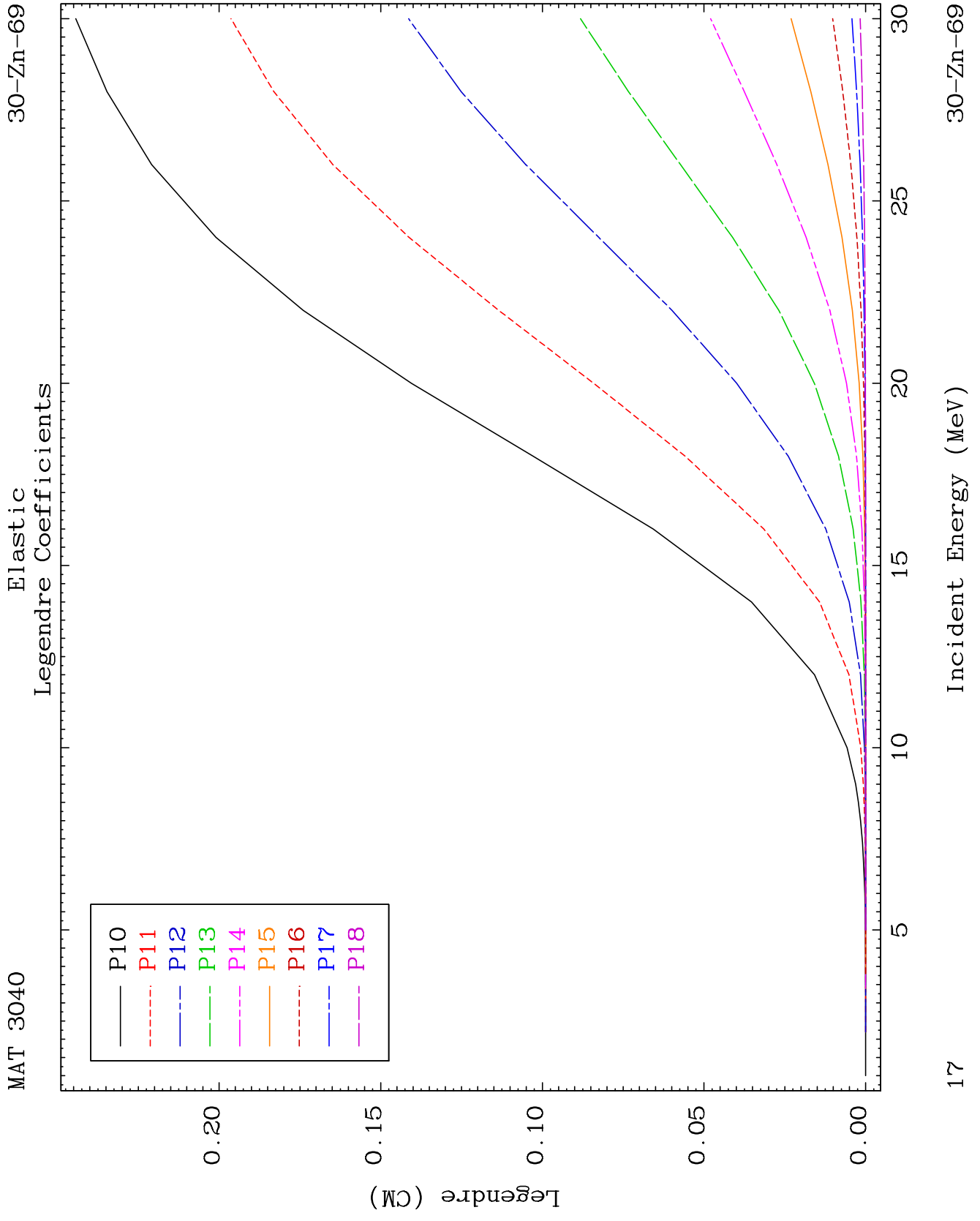
15

Incident Energy (MeV)

30-Zn-69



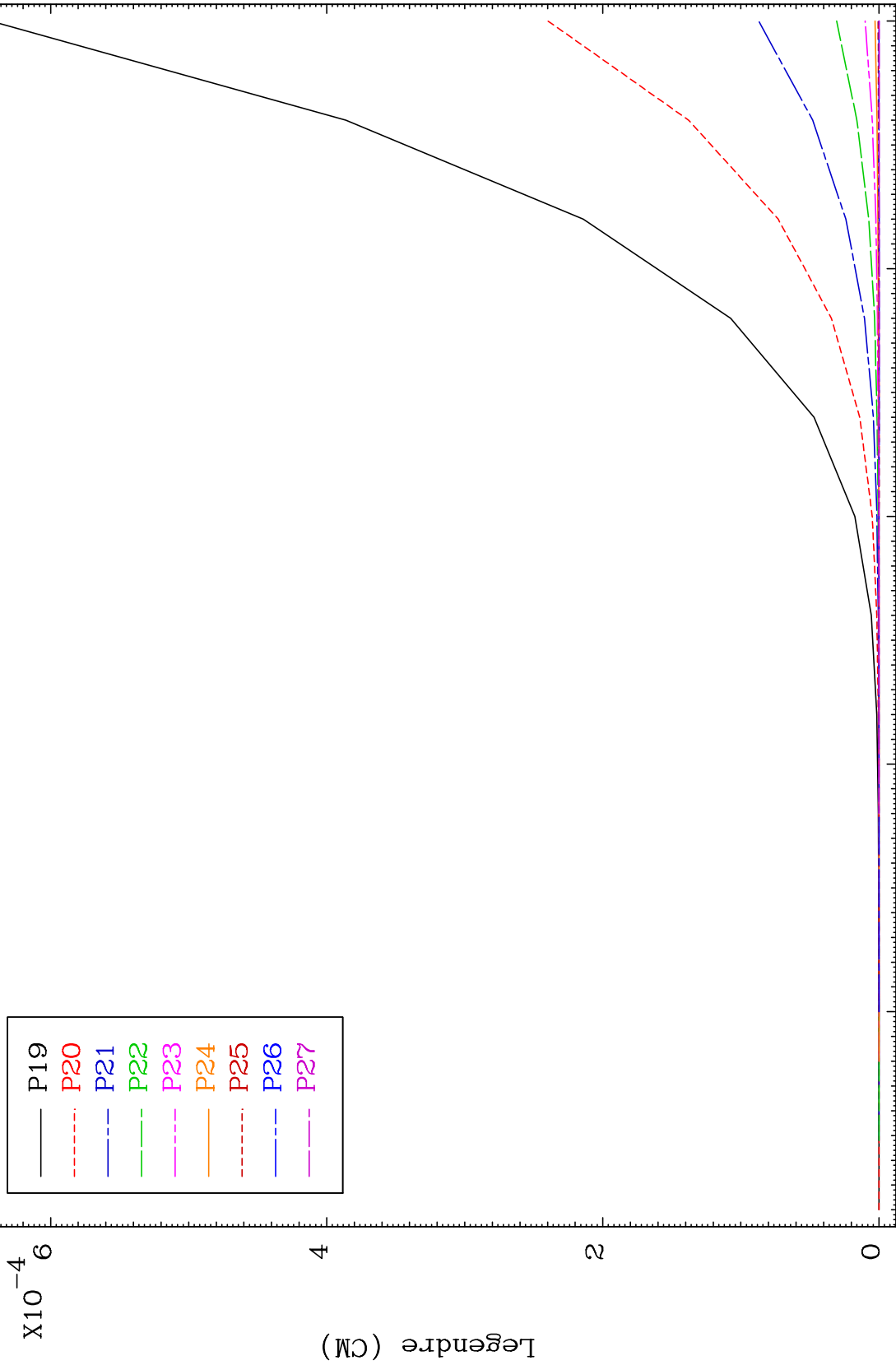
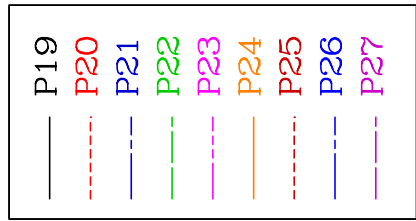




MAT 3040

Elastic Legendre Coefficients

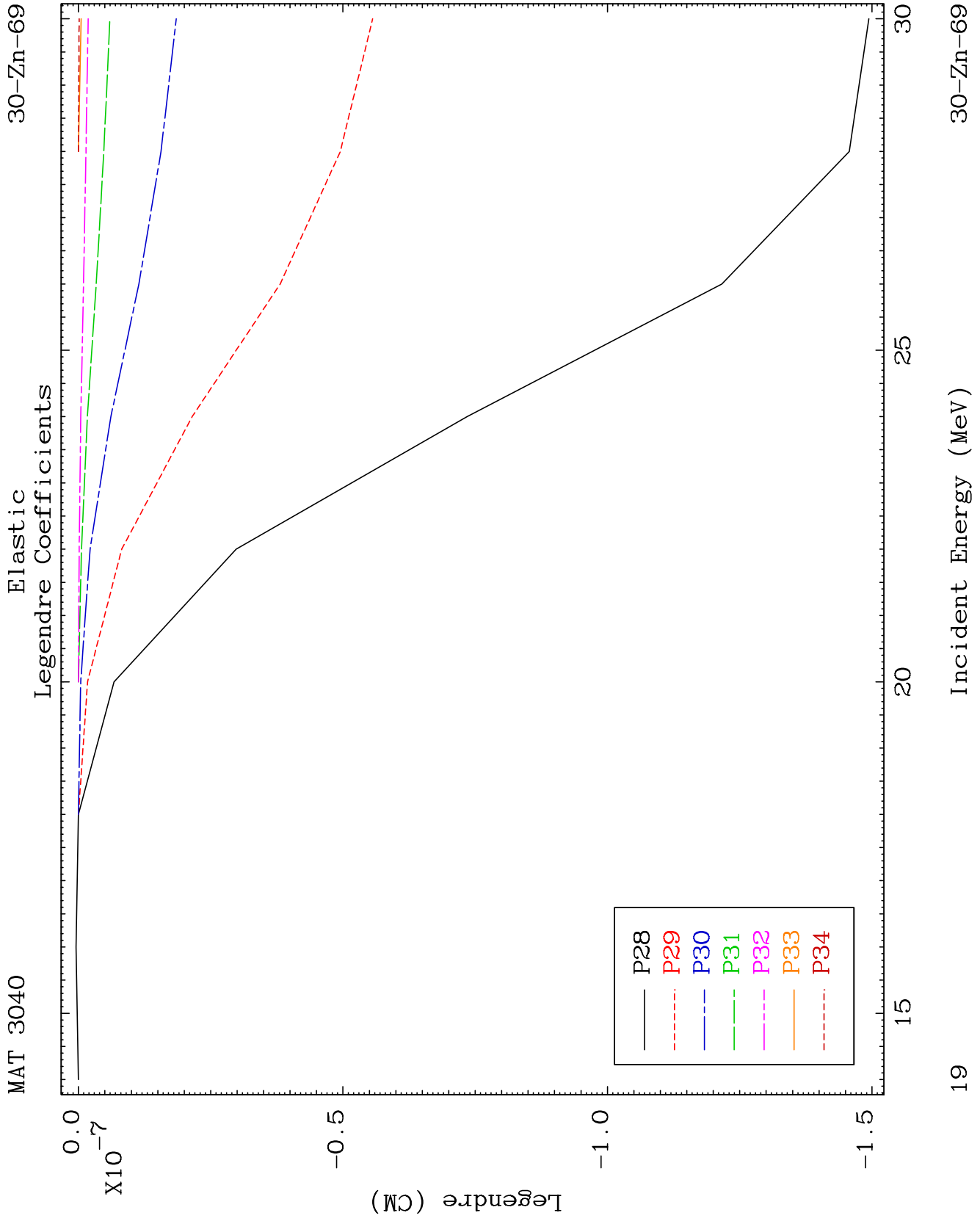
30-Zn-69



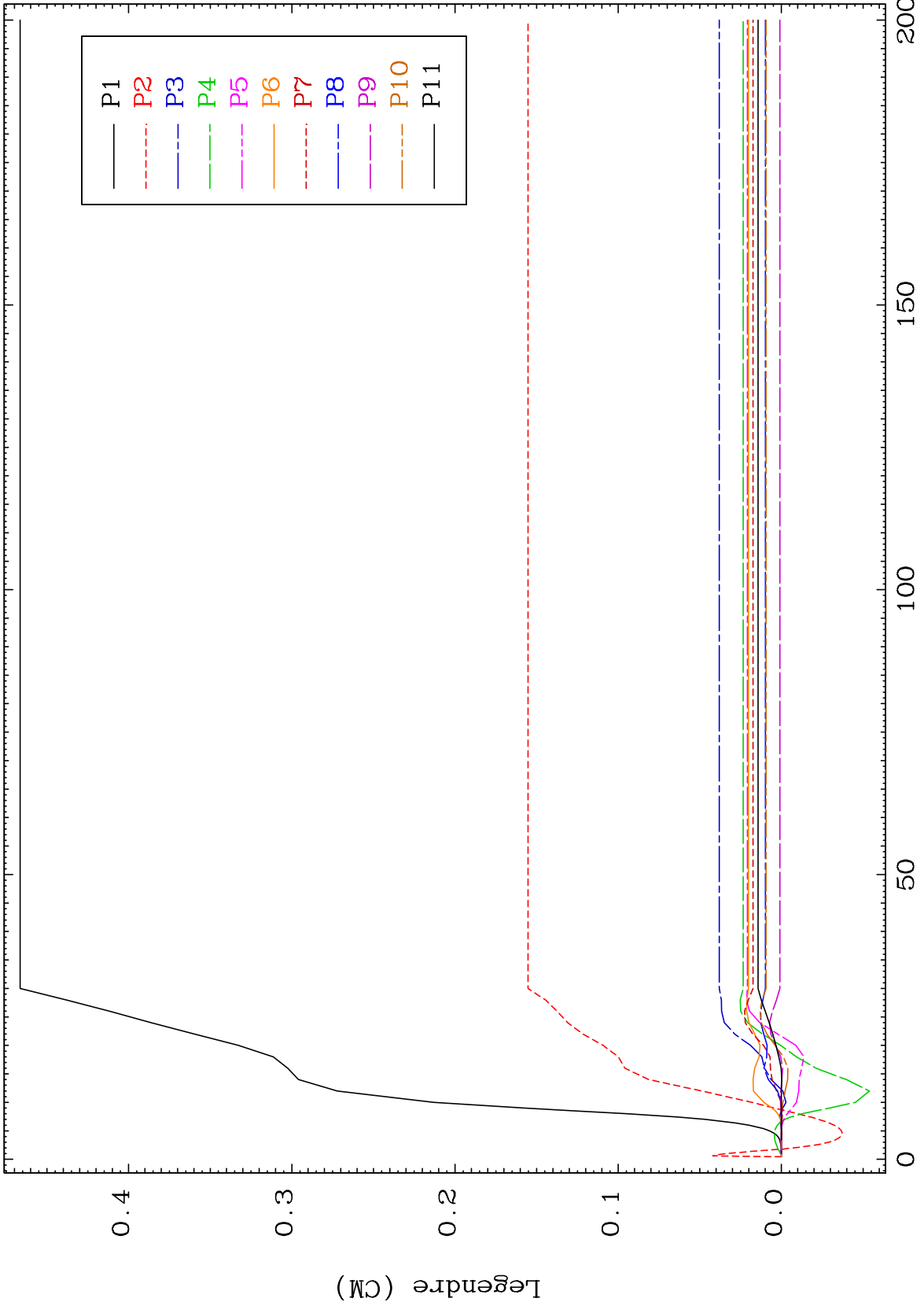
18

Incident Energy (MeV)

30-Zn-69

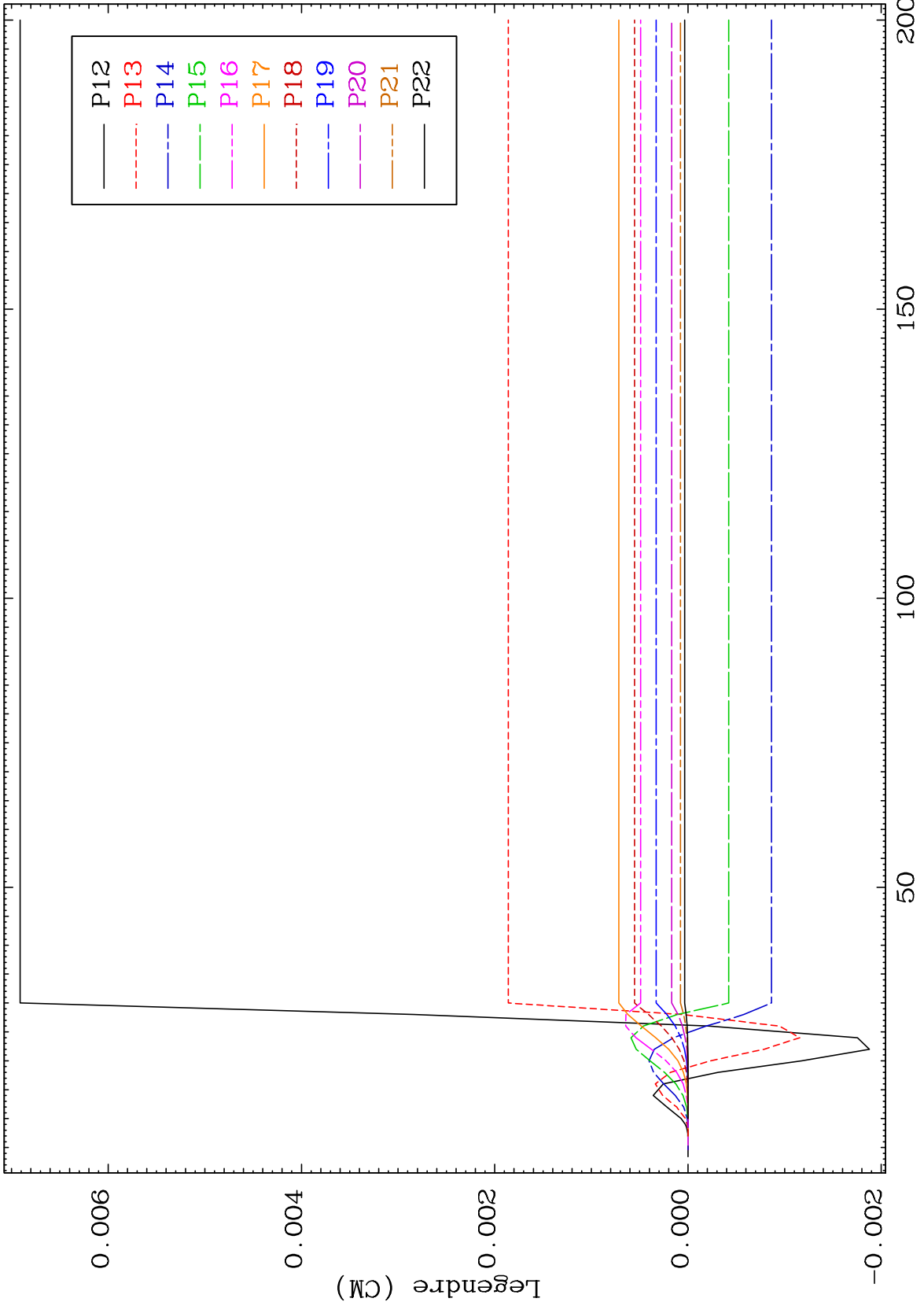


MAT 3040 MT= 51 (n,n') Level Legendre Coefficients 30-Zn-69

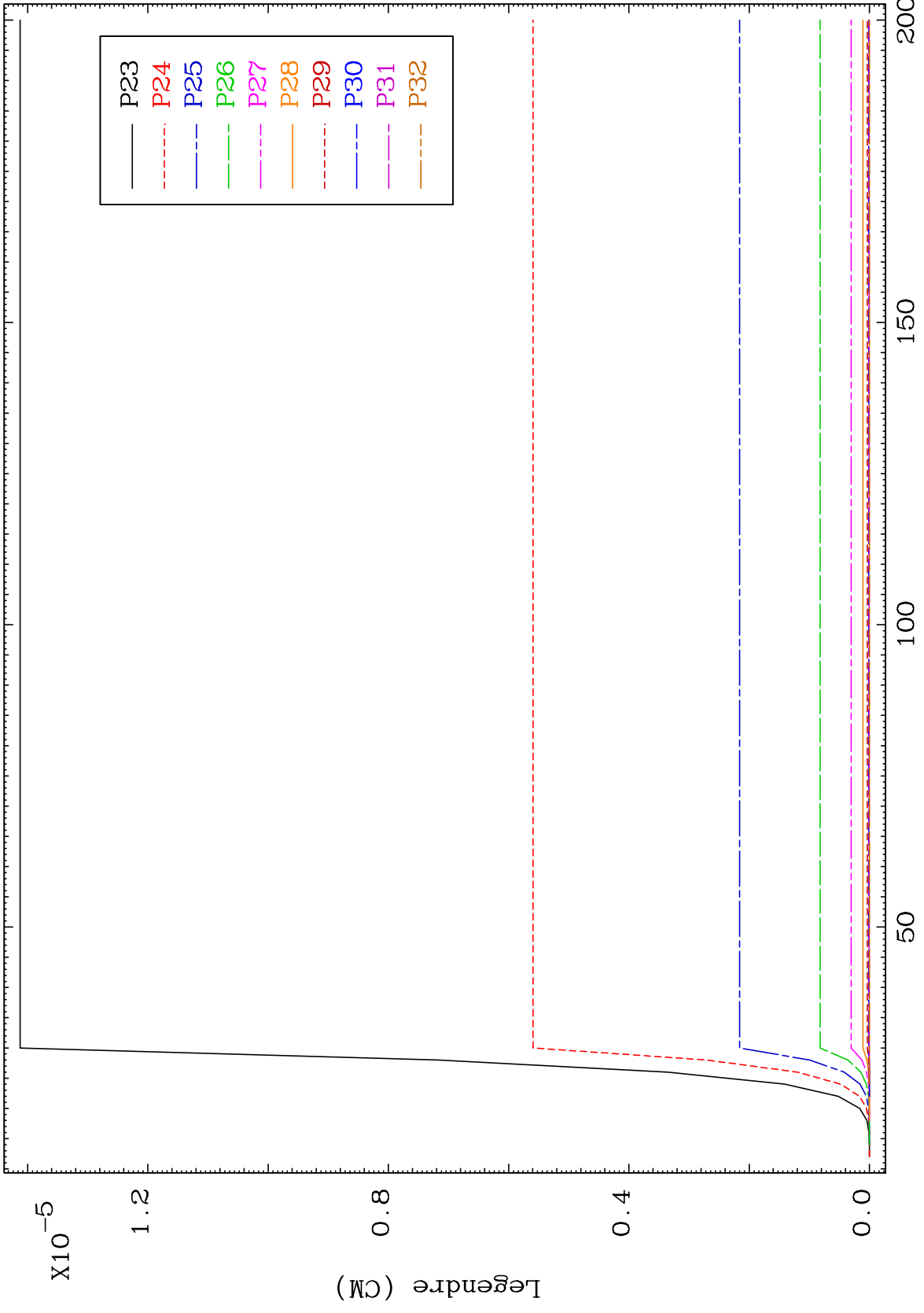


Incident Energy (MeV) 30-Zn-69

MAT 3040 MT= 51 (n,n') Level Legendre Coefficients 30-Zn-69

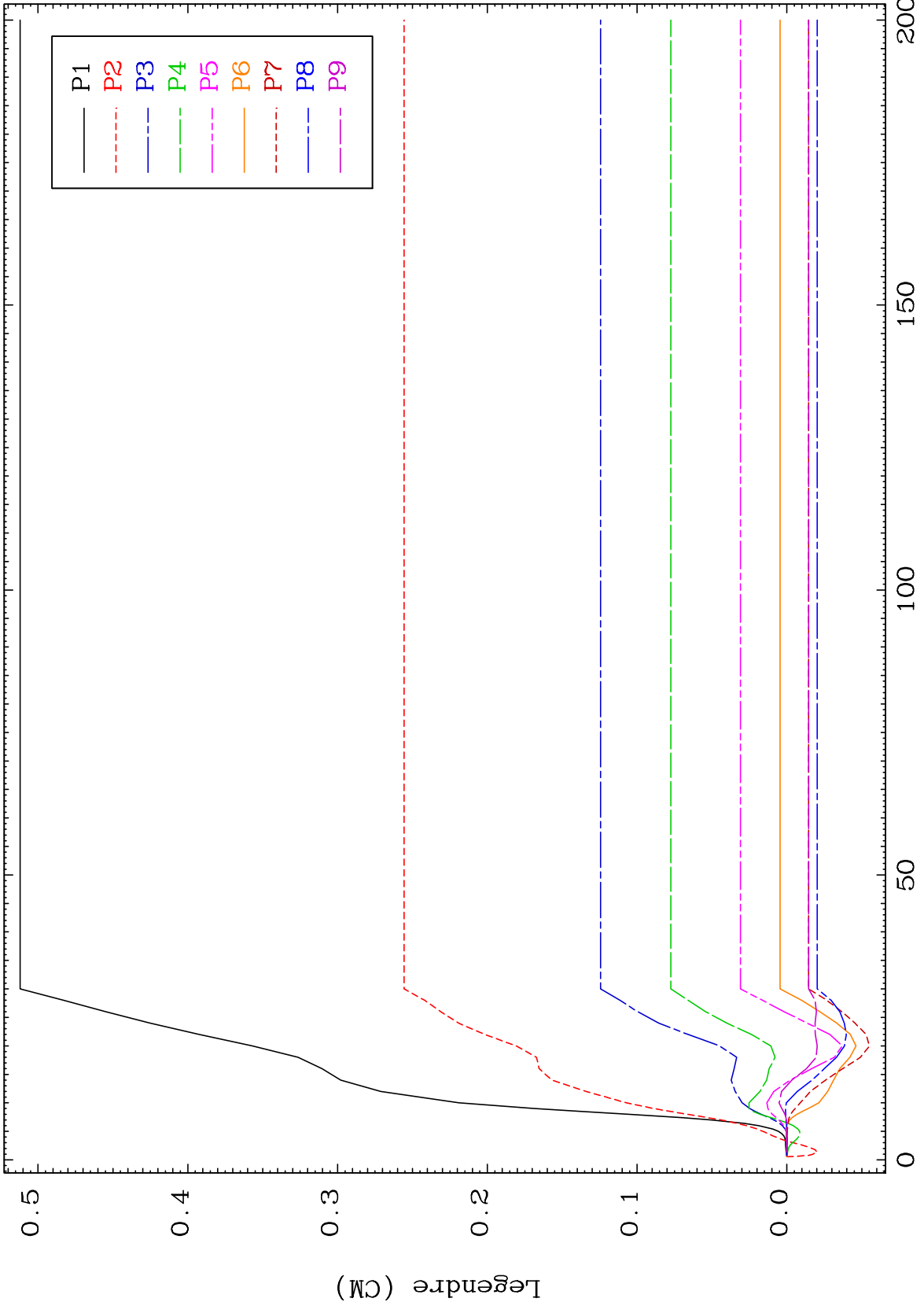


MAT 3040 MT= 51 (n,n') Level Legendre Coefficients 30-Zn-69



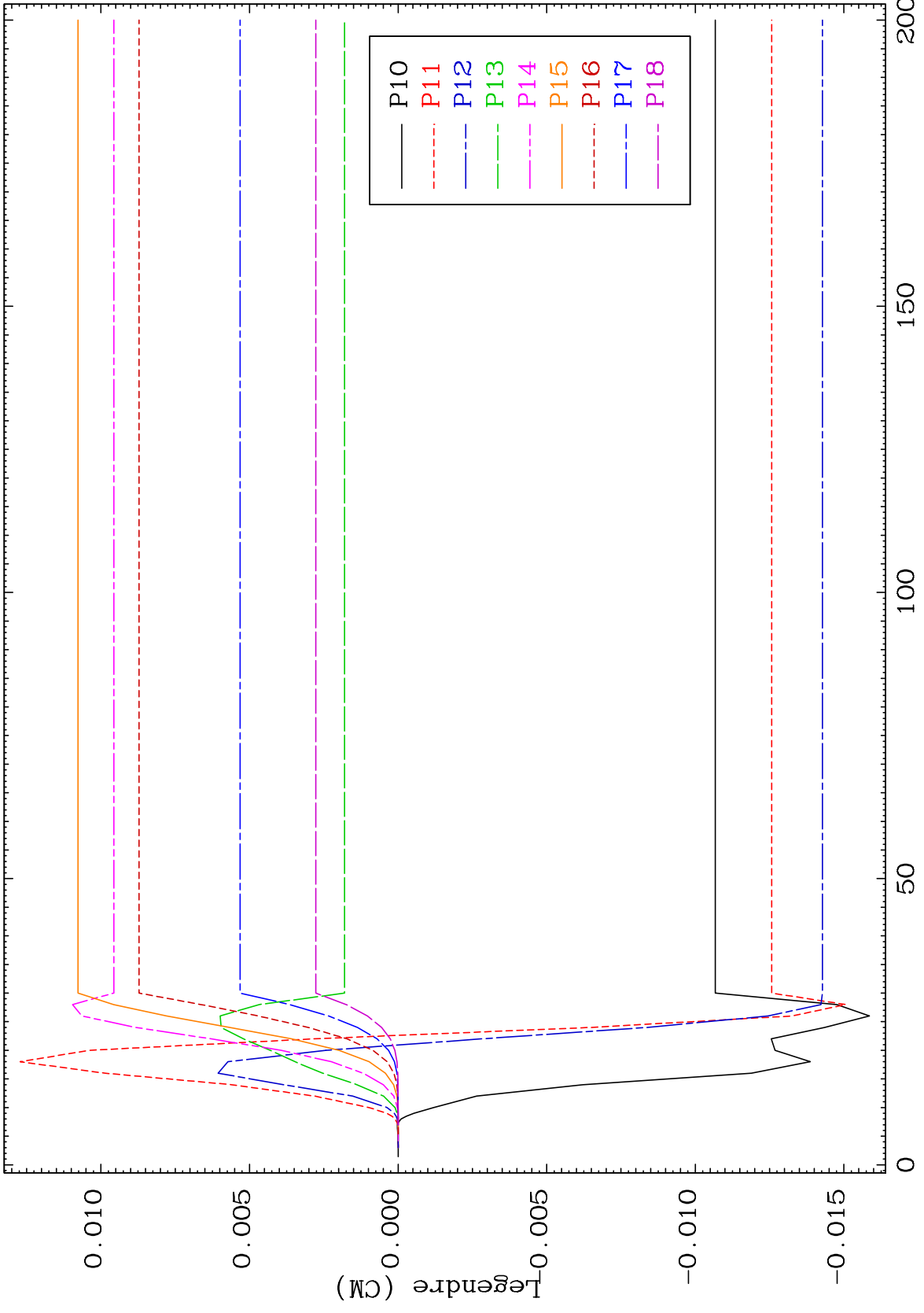
22 Incident Energy (MeV) 30-Zn-69

MAT 3040 MT= 52 (n,n') Level Legendre Coefficients 30-Zn-69

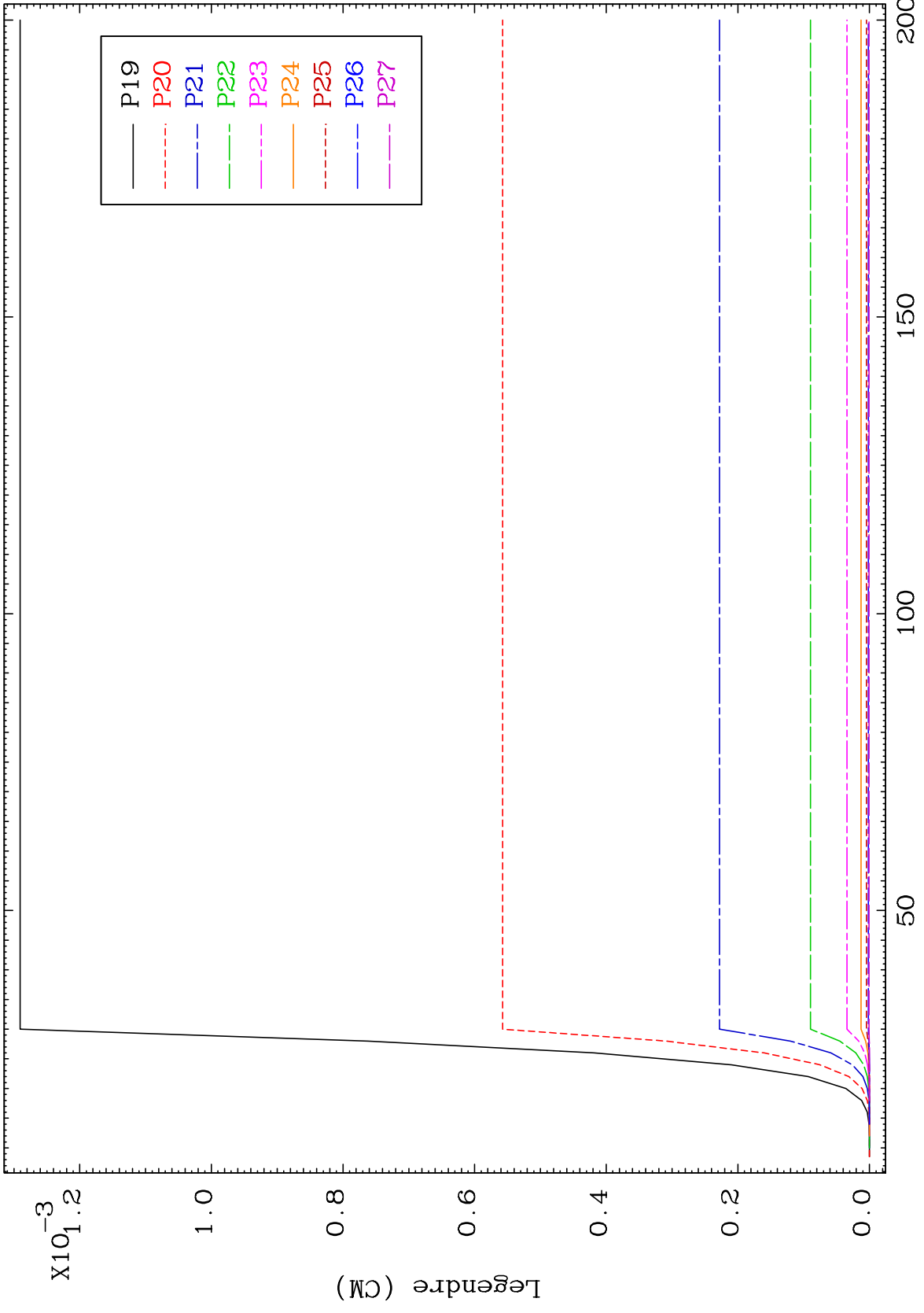




MAT 3040 MT= 52 (n,n') Level Legendre Coefficients 30-Zn-69

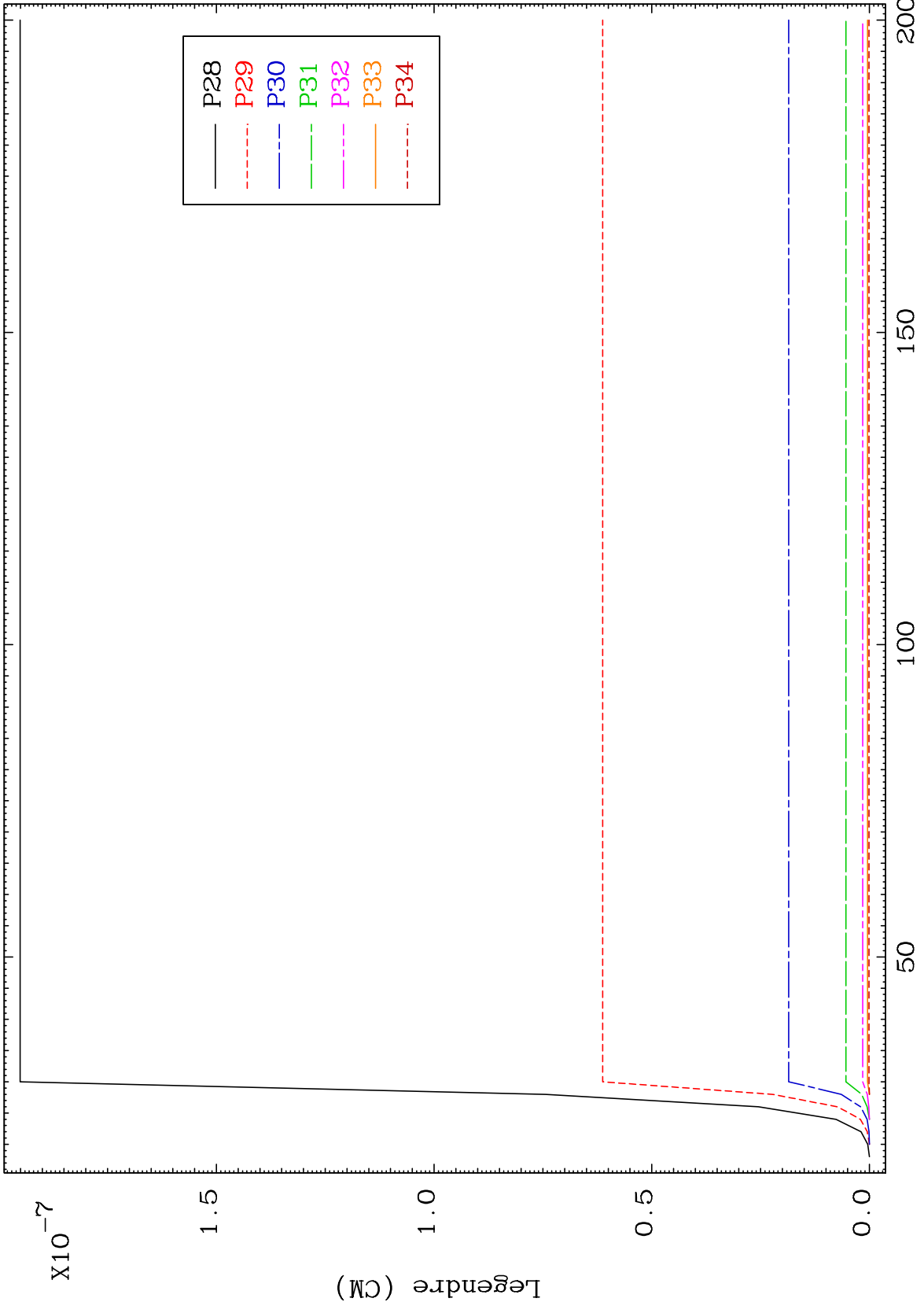


MAT 3040 MT= 52 (n,n') Level Legendre Coefficients 30-Zn-69



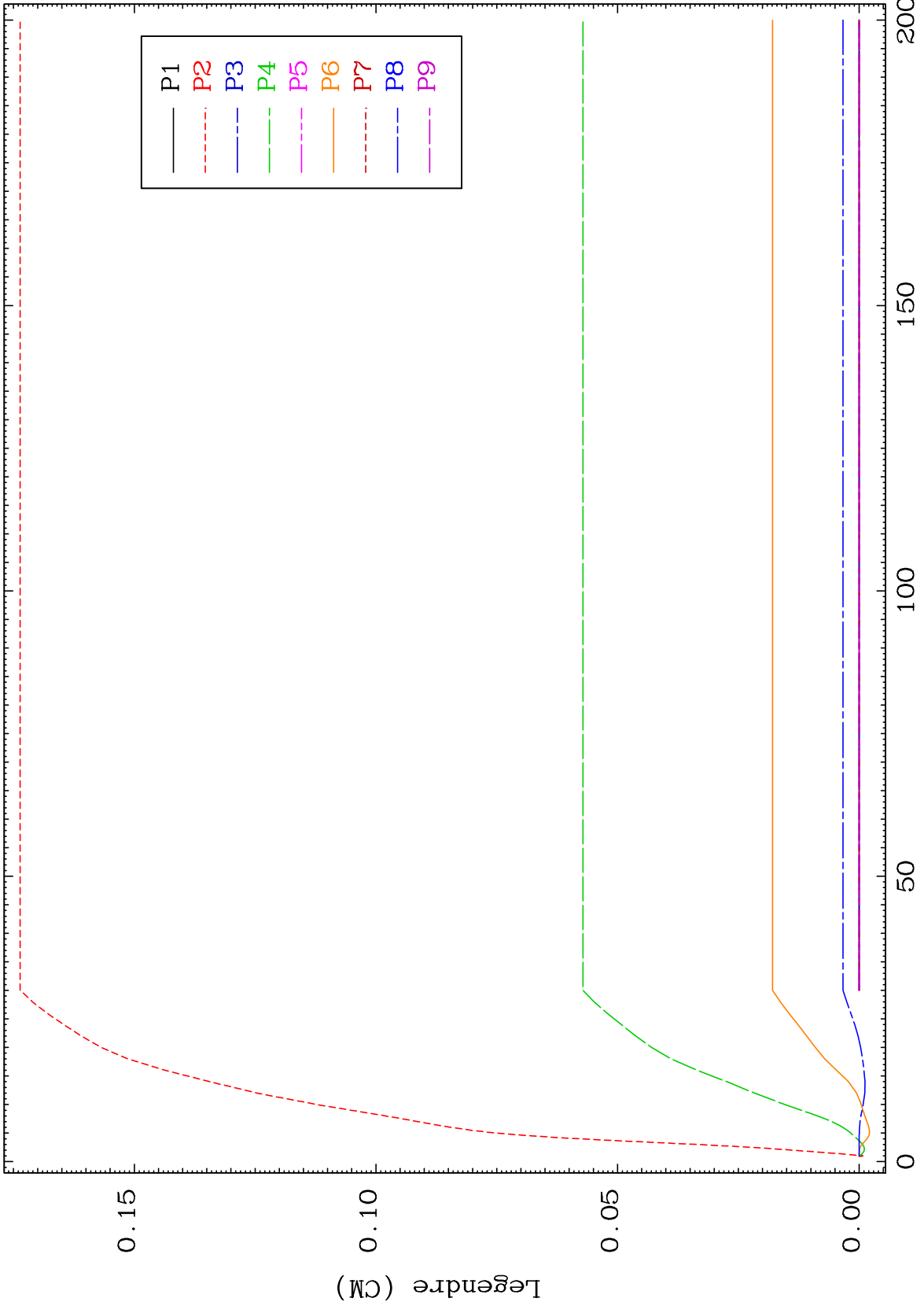
25 50 100 150 200 30-Zn-69

MAT 3040 MT= 52 (n,n') Level Legendre Coefficients 30-Zn-69



26 Incident Energy (MeV) 30-Zn-69

MAT 3040 MT= 53 (n,n') Level Legendre Coefficients 30-Zn-69

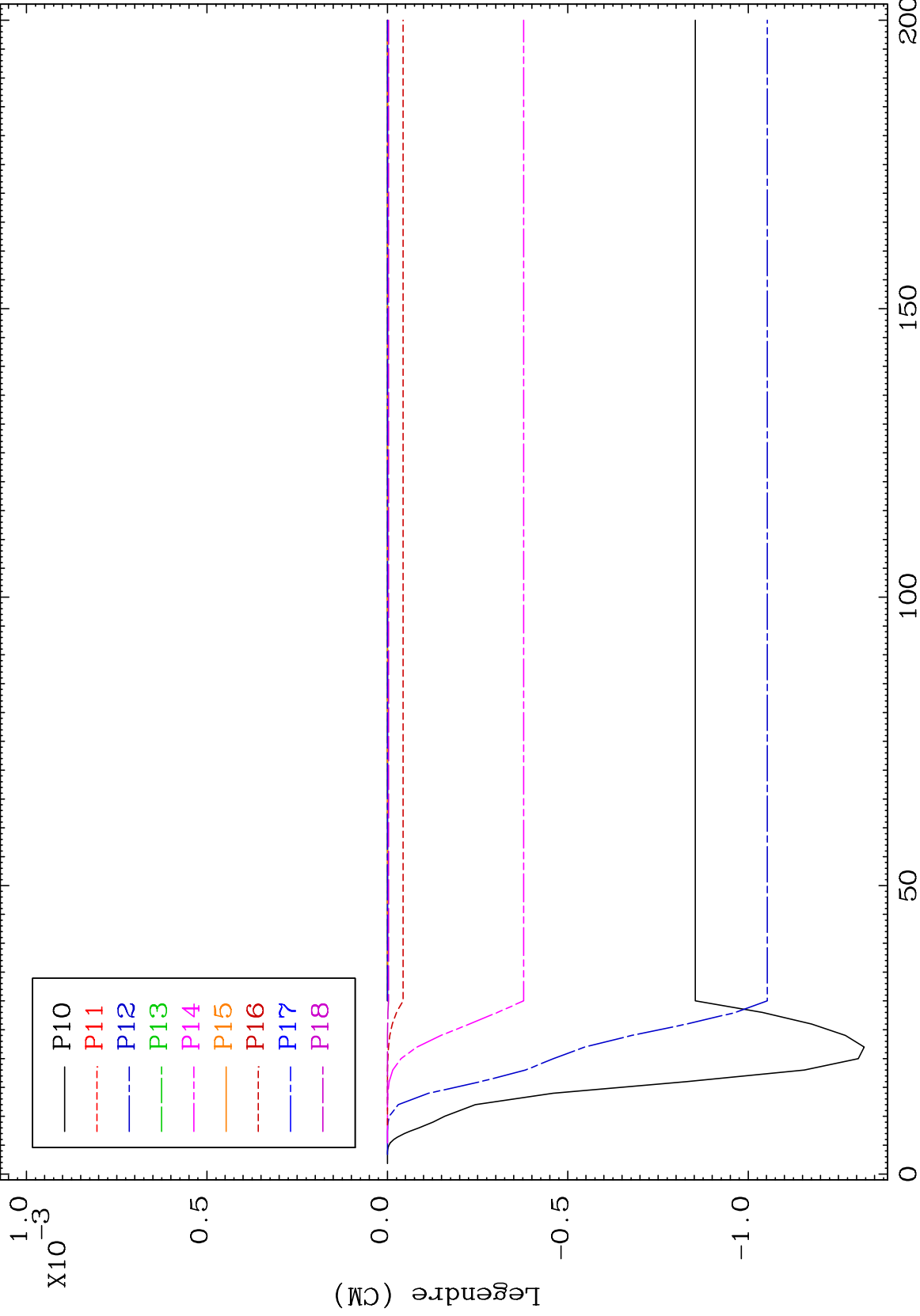


27 Incident Energy (MeV) 30-Zn-69

MAT 3040

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

30-Zn-69

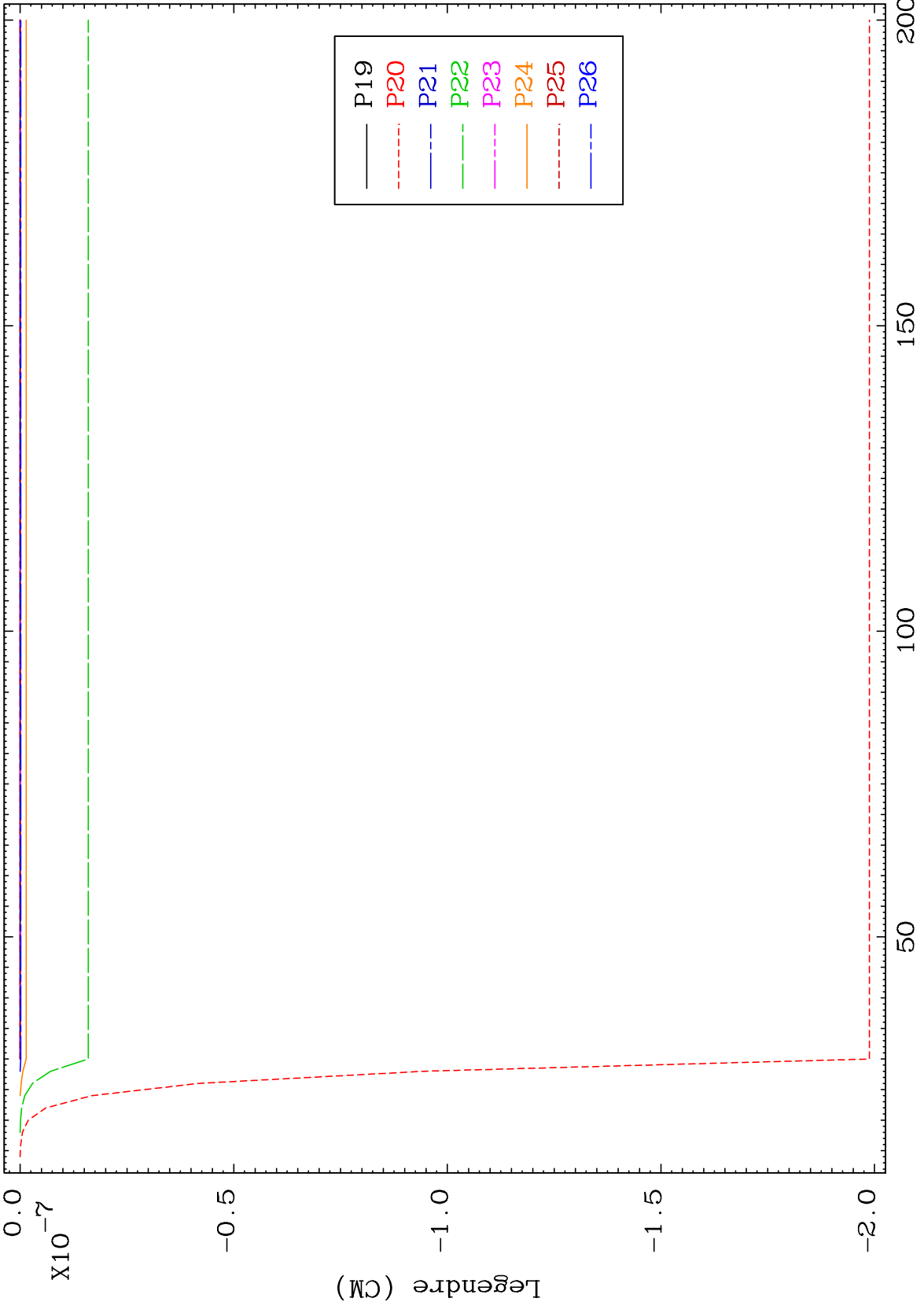


28

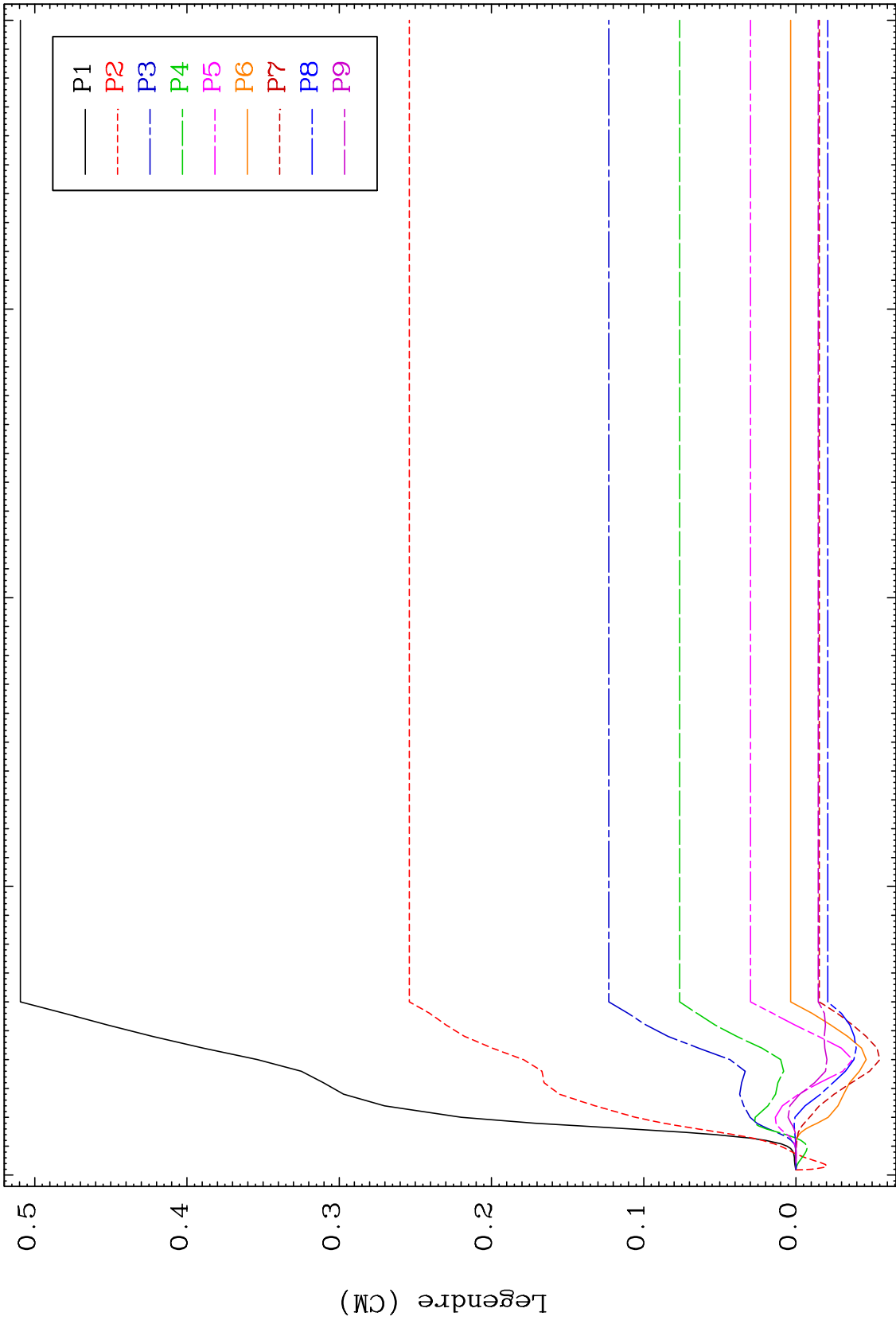
Incident Energy (MeV)

30-Zn-69

MAT 3040 MT= 53 (n,n') Level Legendre Coefficients 30-Zn-69

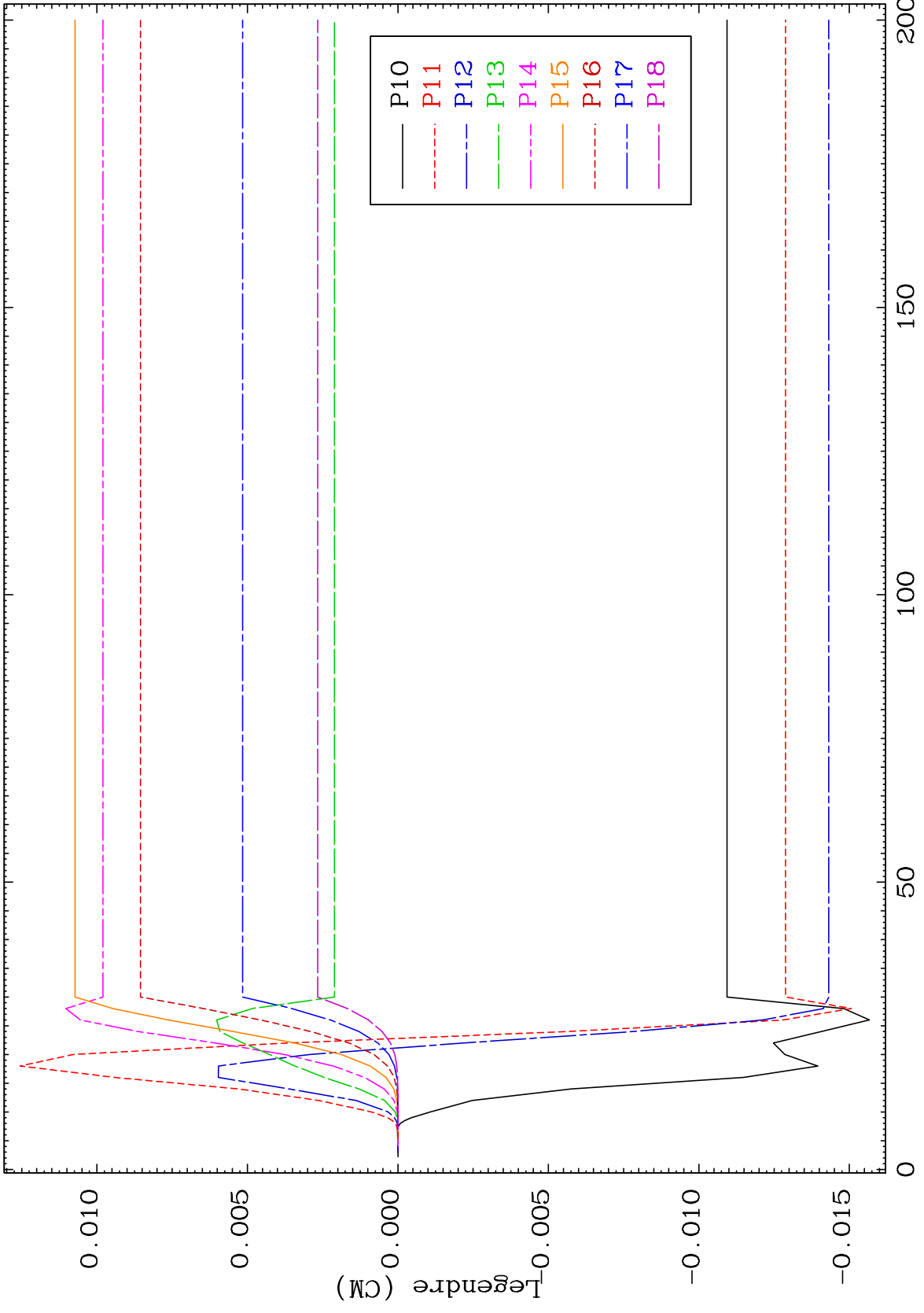


MAT 3040 MT= 54 (n,n') Level Legendre Coefficients 30-Zn-69



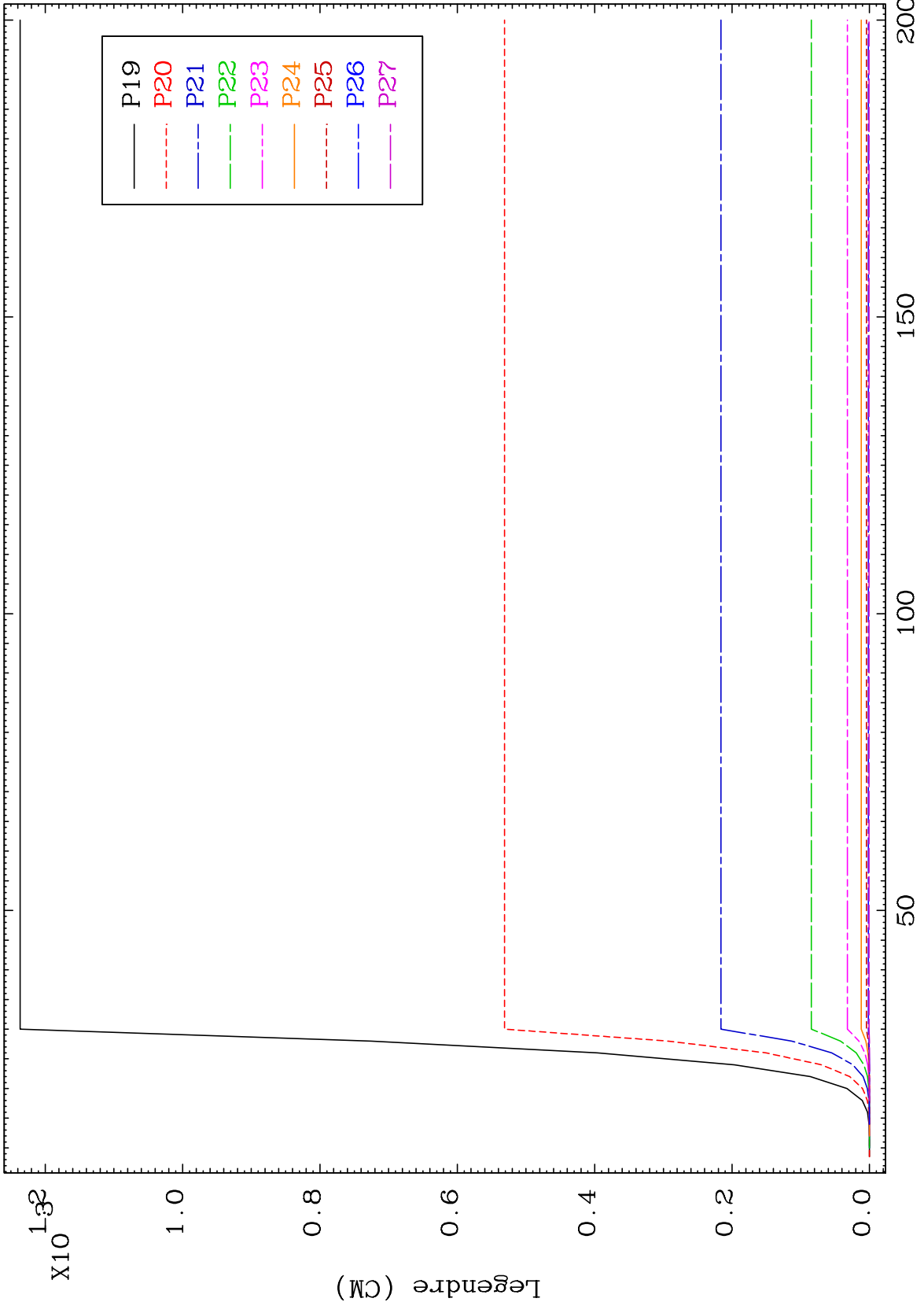
Incident Energy (MeV) 30-Zn-69

MAT 3040 MT= 54 (n,n') Level Legendre Coefficients 30-Zn-69

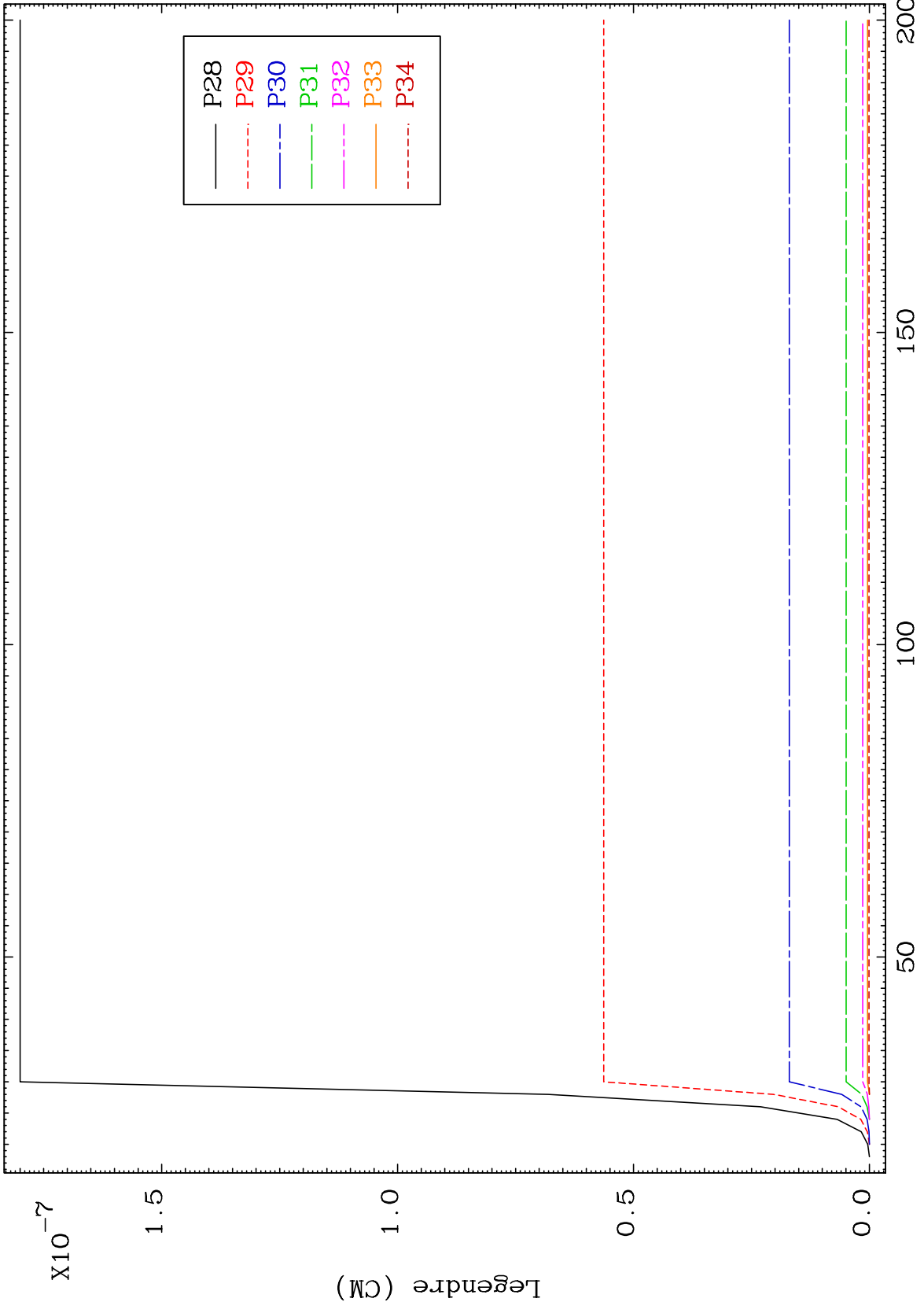


31 30-Zn-69



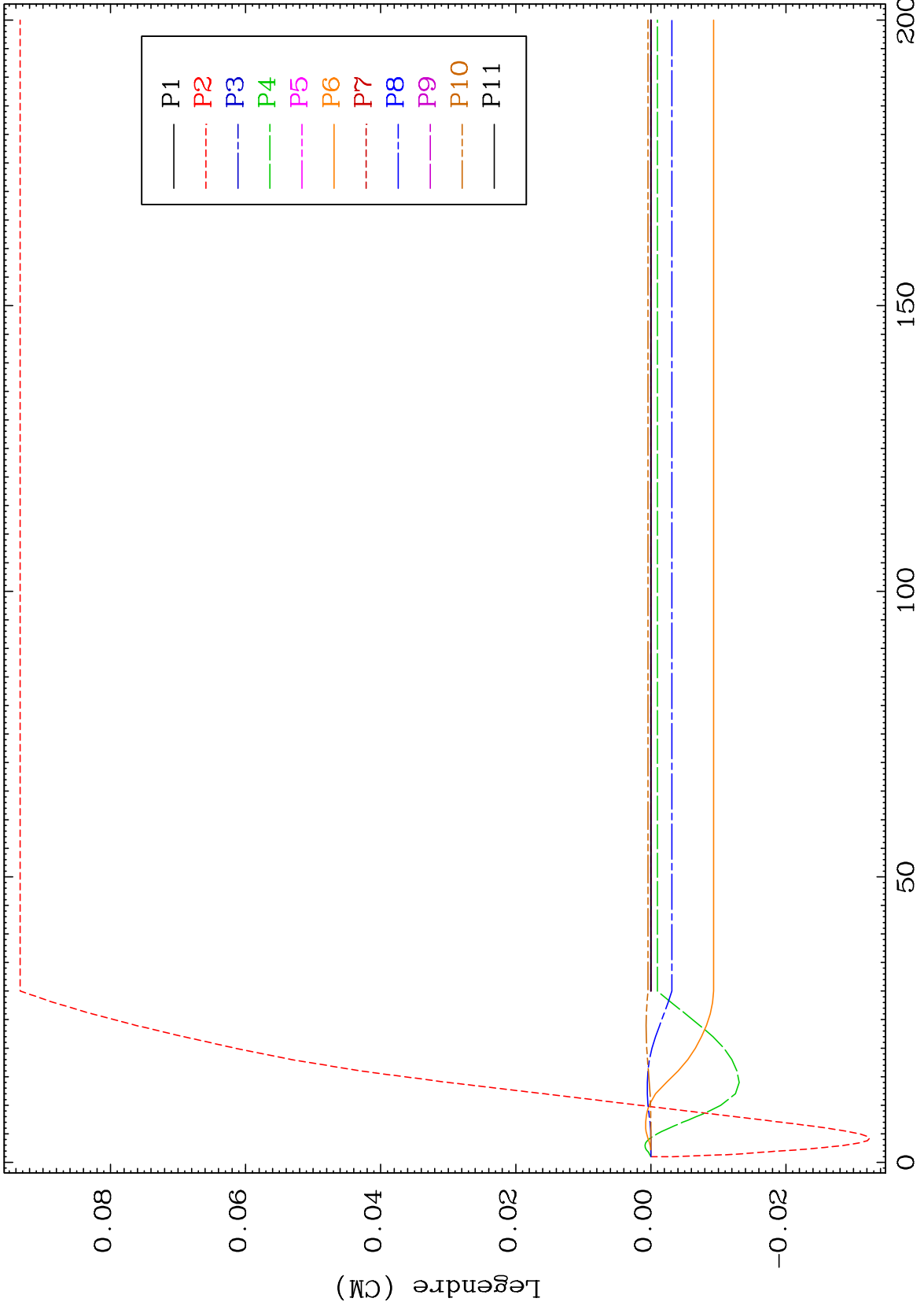


MAT 3040 MT= 54 (n,n') Level Legendre Coefficients 30-Zn-69



33 Incident Energy (MeV) 30-Zn-69

MAT 3040 MT= 55 (n,n') Level Legendre Coefficients 30-Zn-69

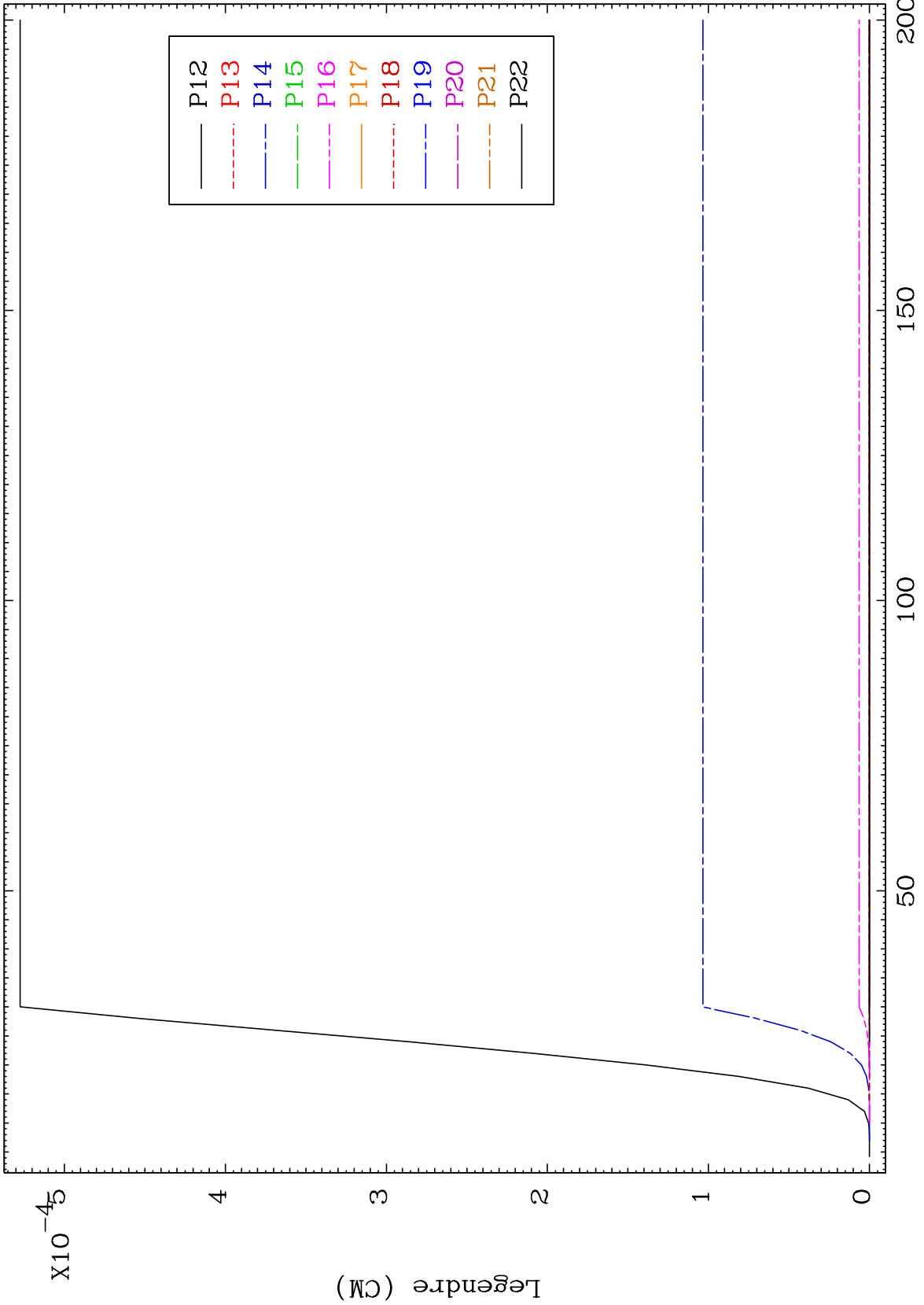


34 30-Zn-69

MAT 3040

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

30-Zn-69

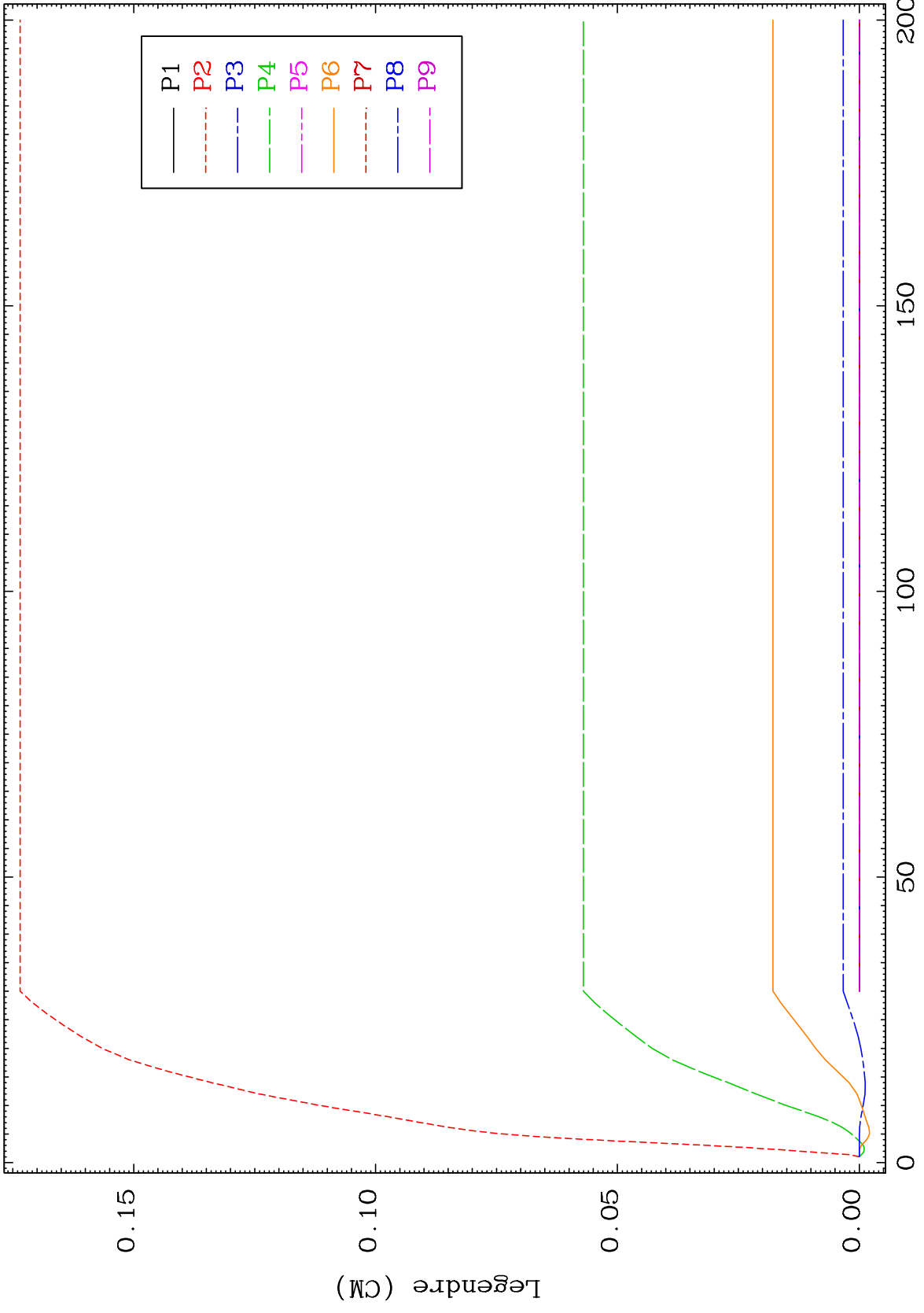


35

Incident Energy (MeV)

30-Zn-69

MAT 3040 MT= 56 (n,n') Level Legendre Coefficients 30-Zn-69

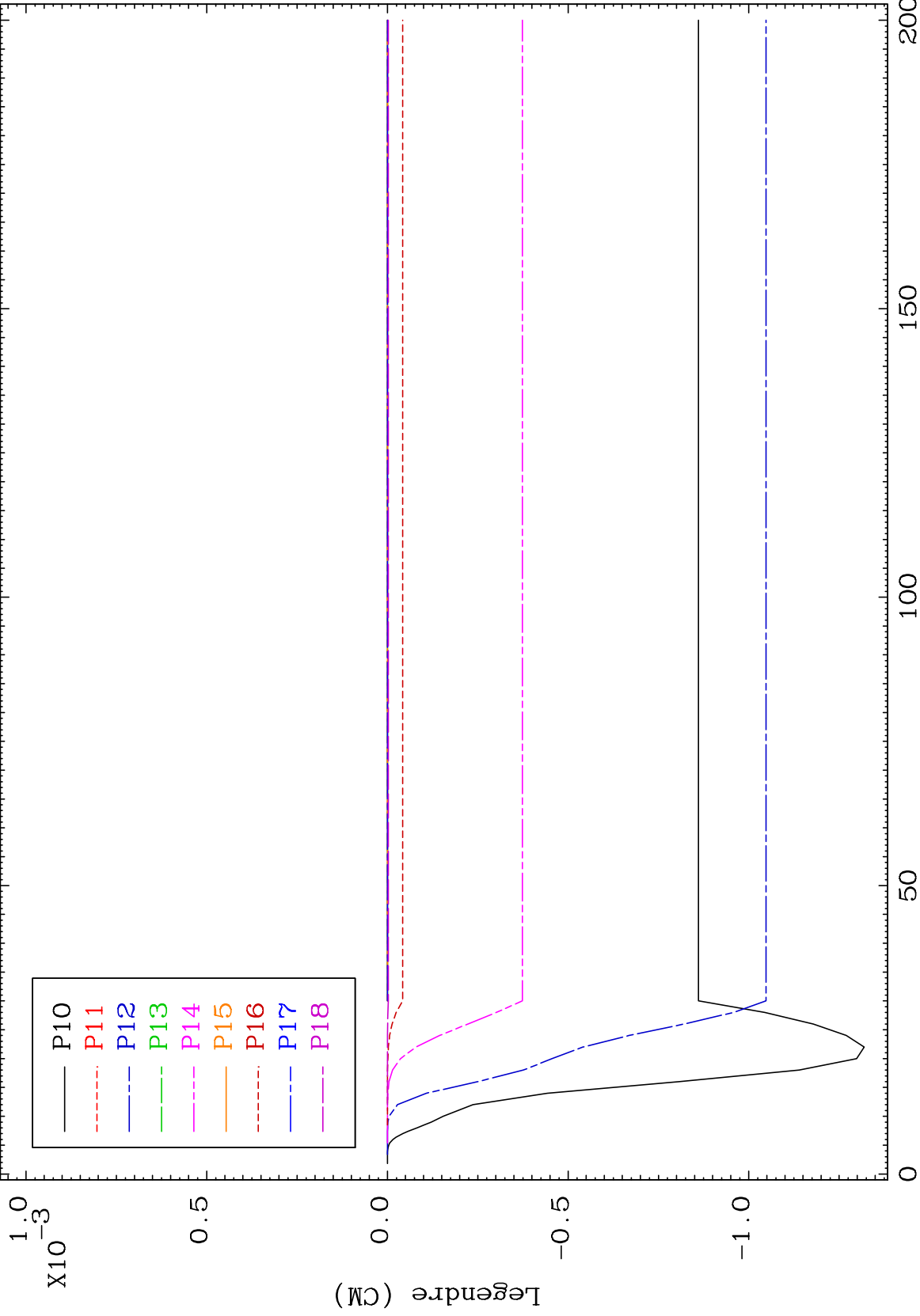


36 Incident Energy (MeV) 30-Zn-69

MAT 3040

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

30-Zn-69

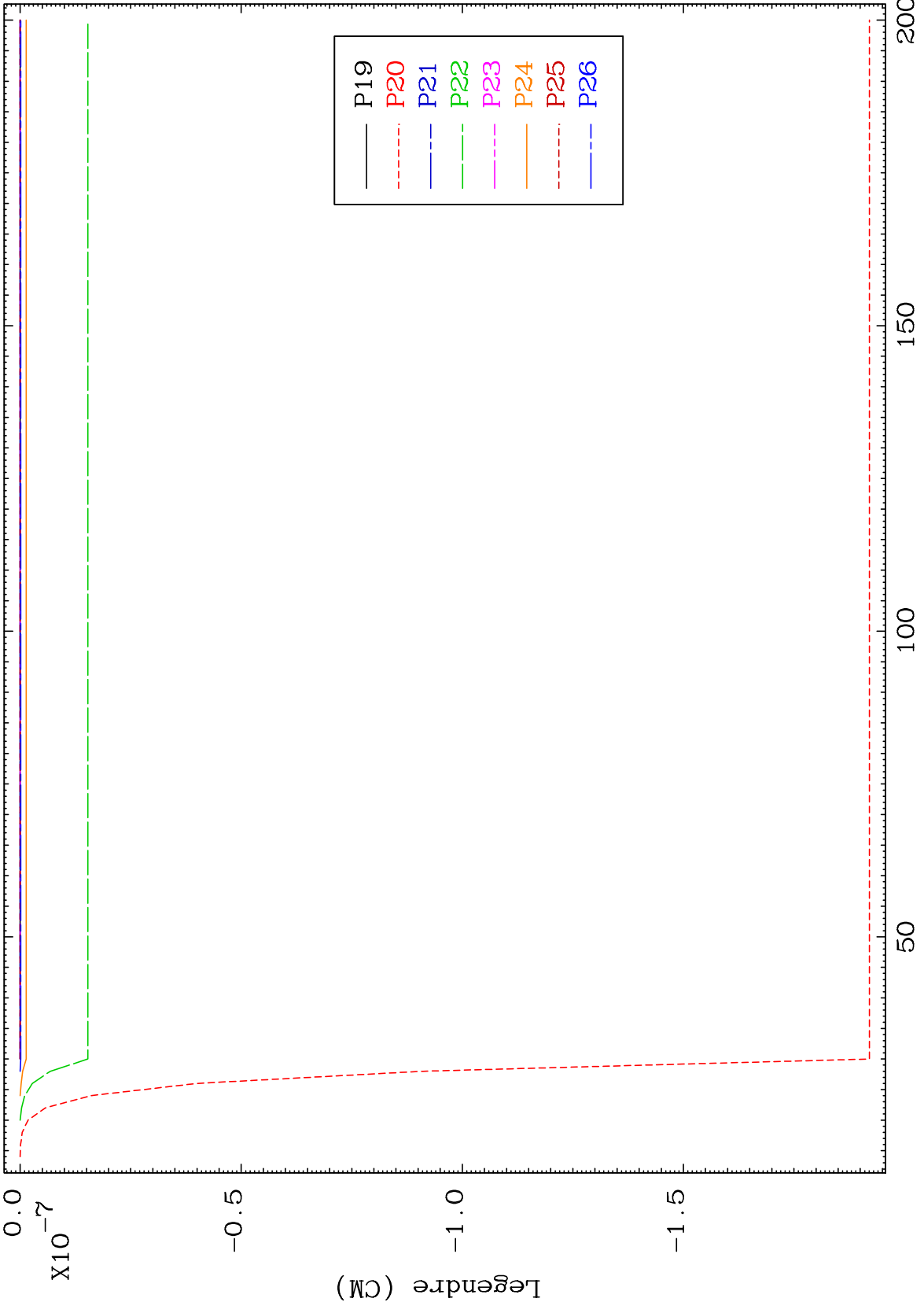


37

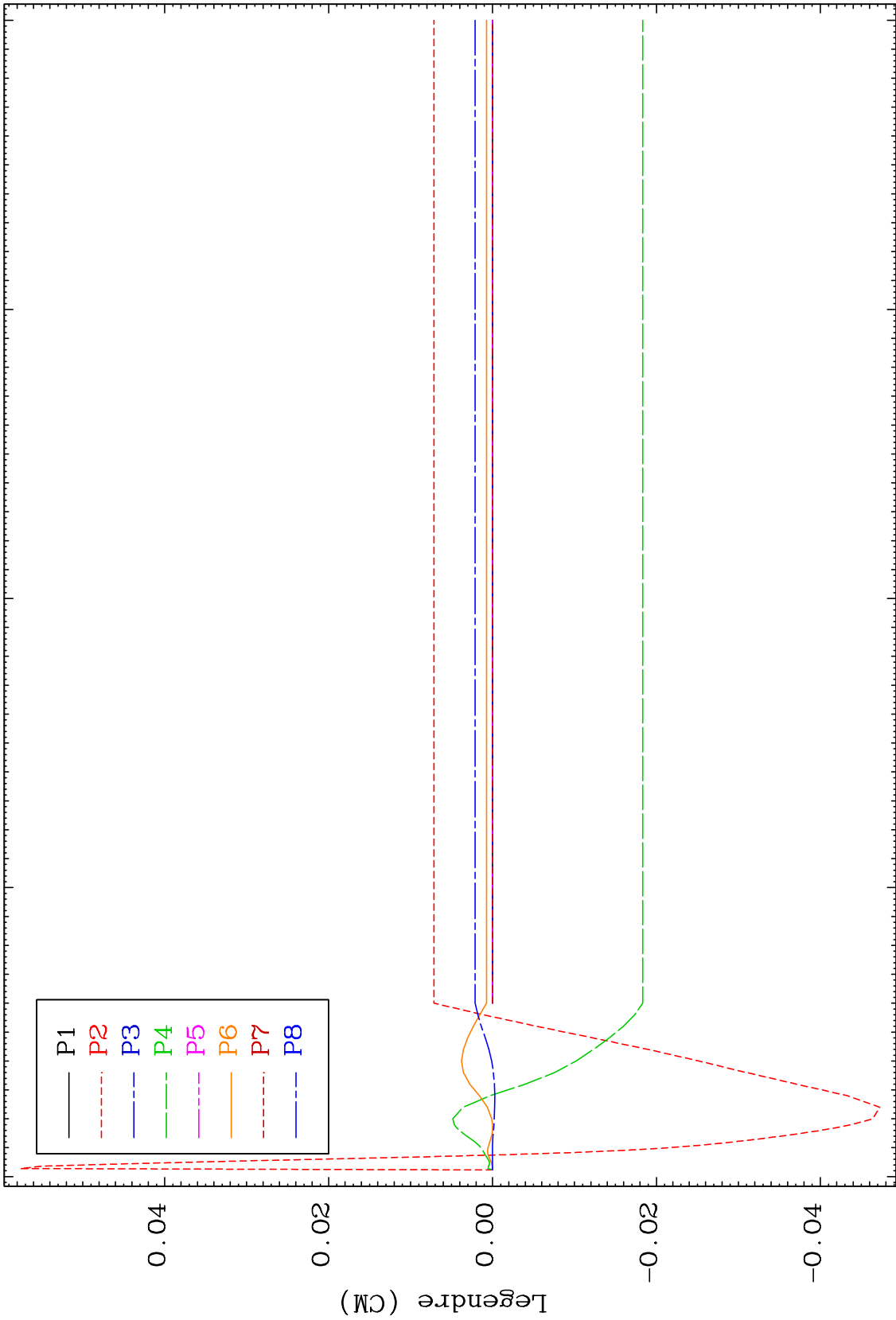
Incident Energy (MeV)

30-Zn-69

MAT 3040 MT= 56 (n,n') Level Legendre Coefficients 30-Zn-69



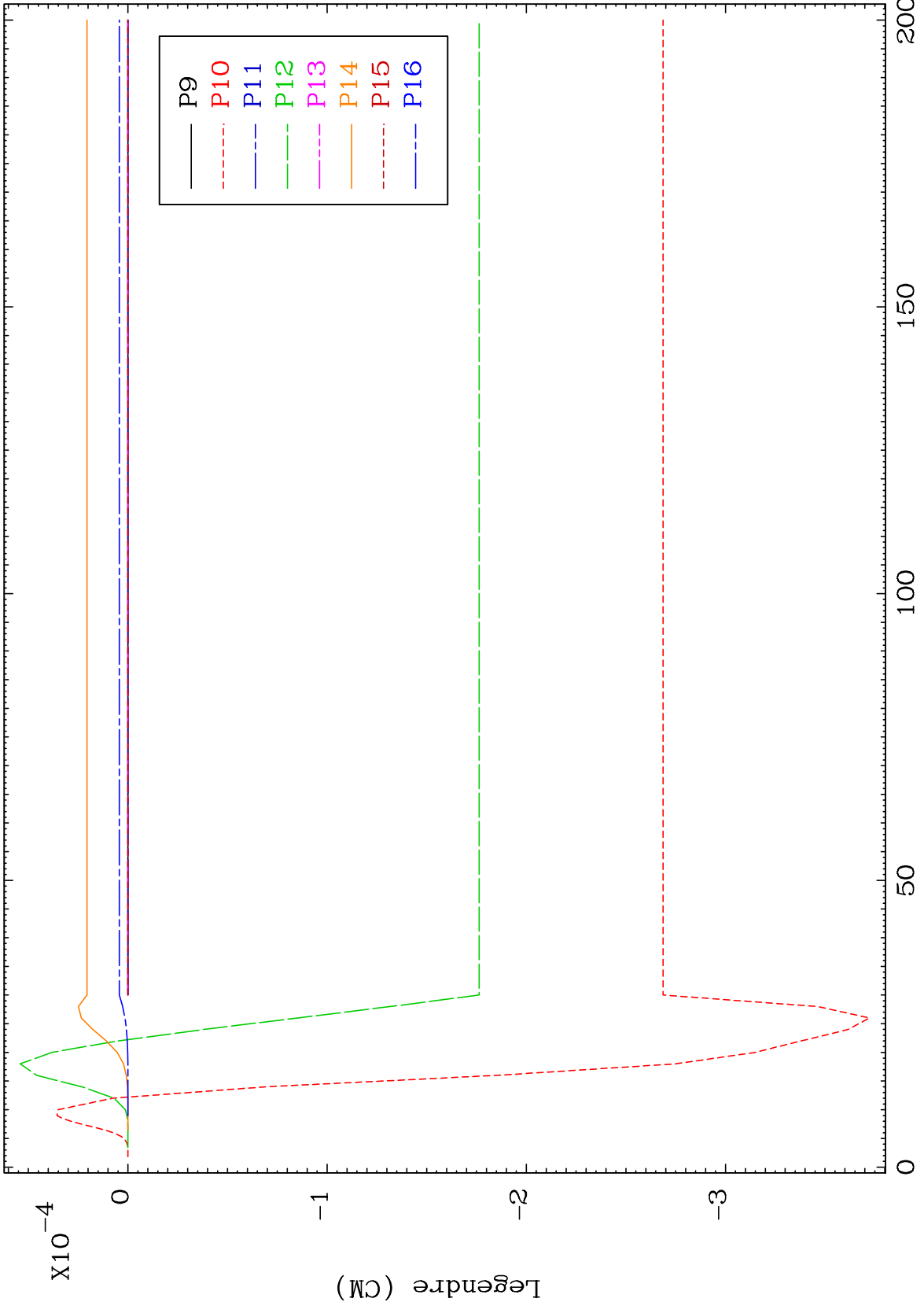
MAT 3040 MT= 57 (n,n') Level Legendre Coefficients 30-Zn-69



39 Incident Energy (MeV) 30-Zn-69

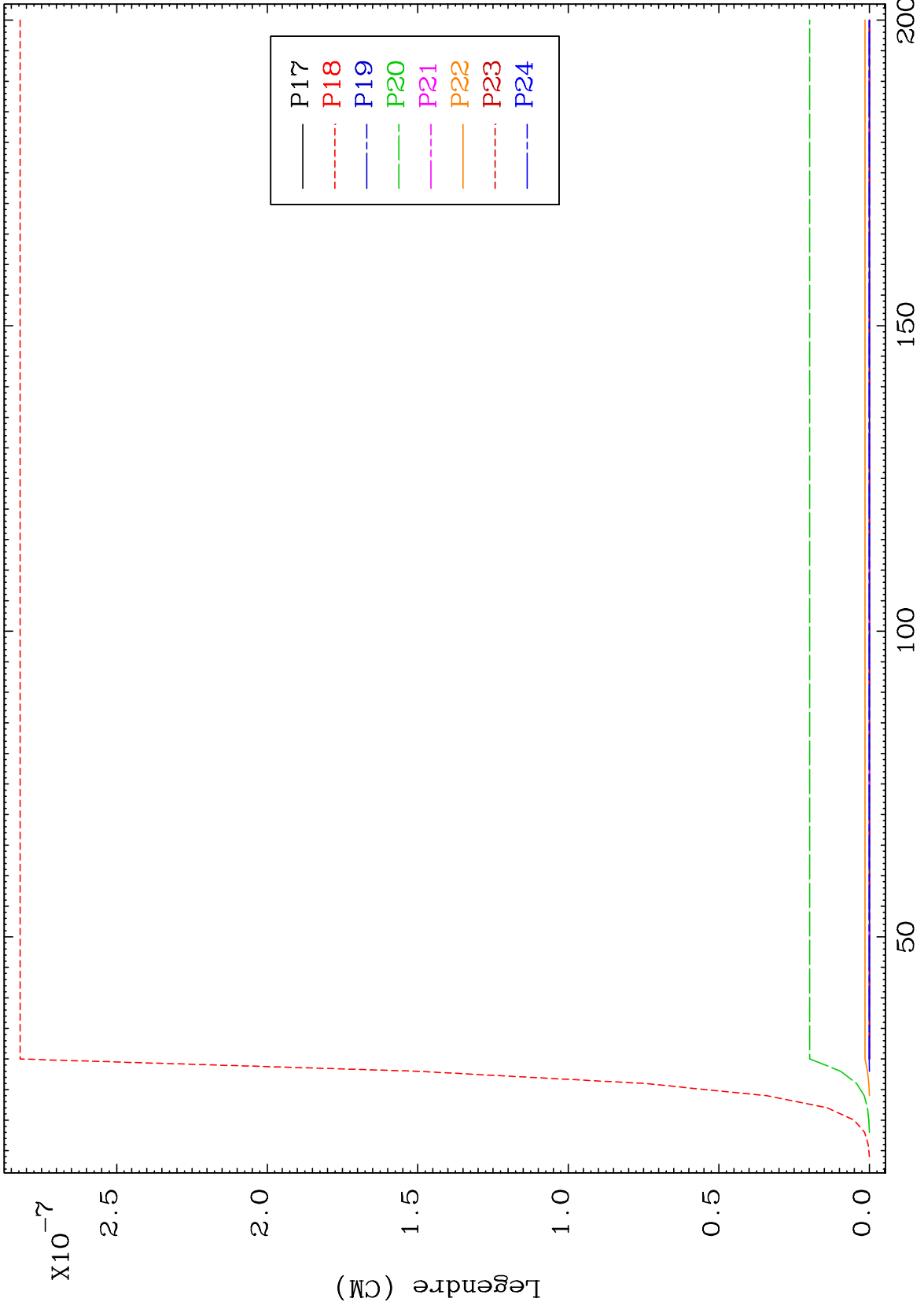


MAT 3040 MT= 57 (n,n') Level Legendre Coefficients 30-Zn-69

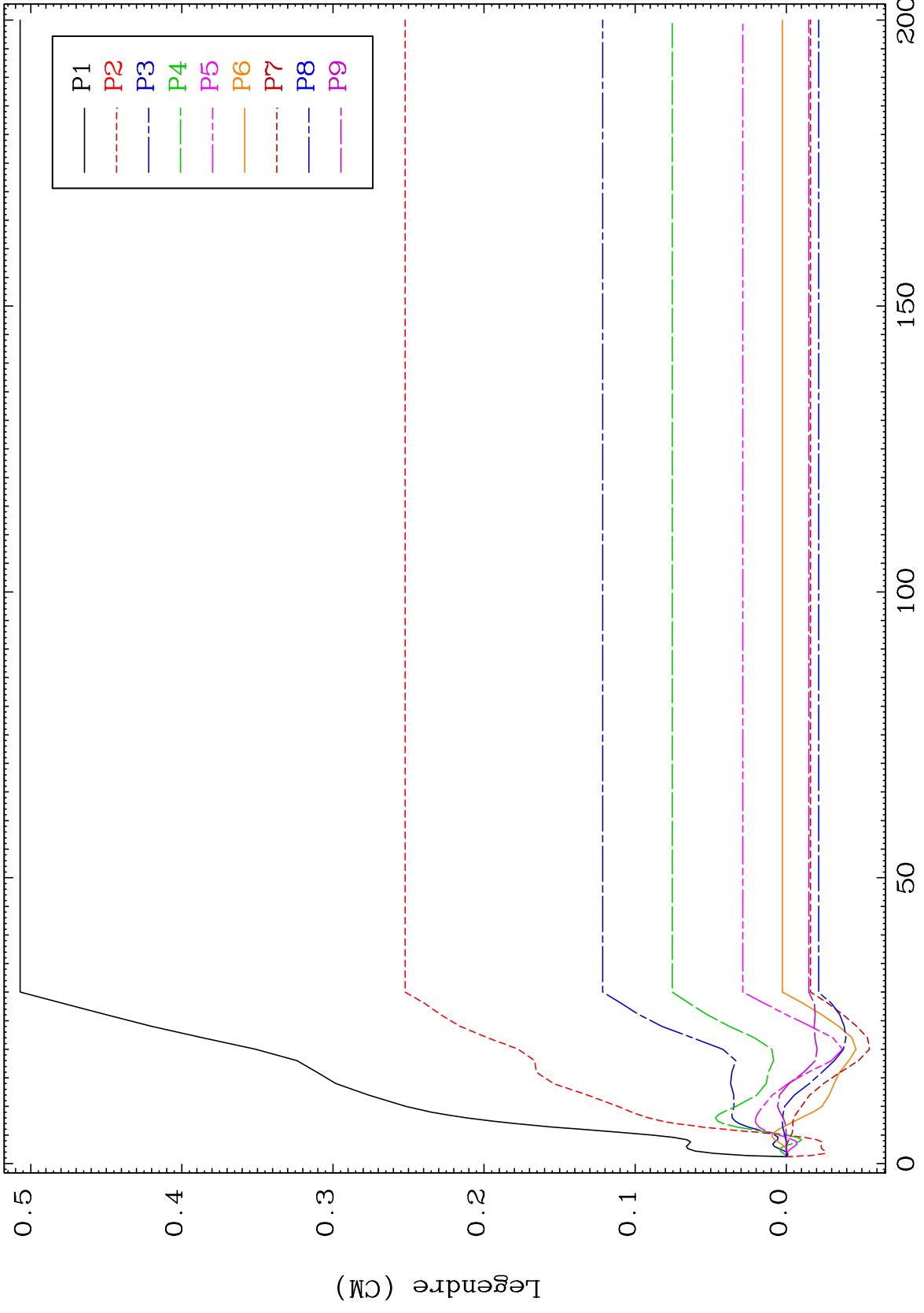


Legendre (CM) Incident Energy (MeV) 30-Zn-69

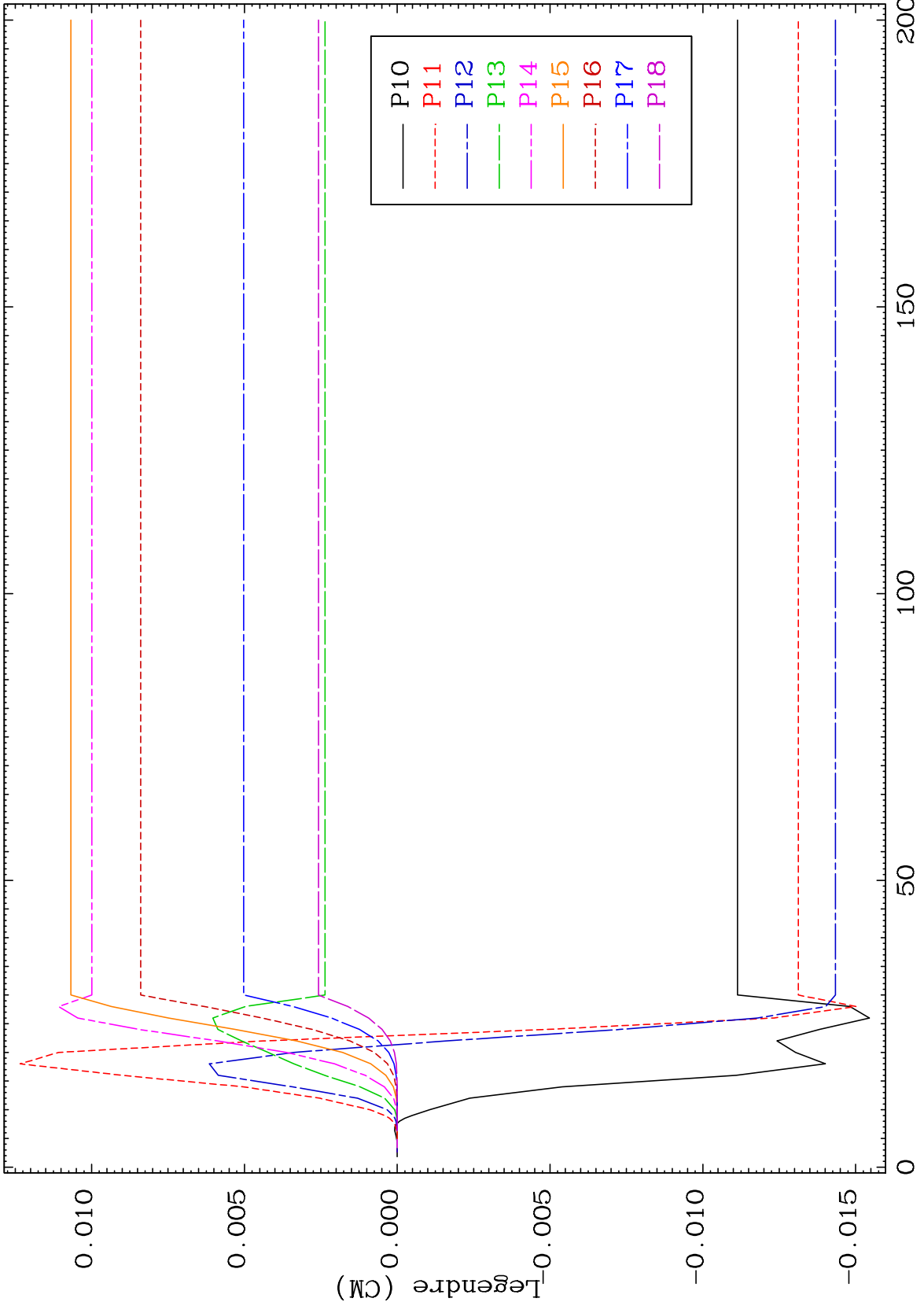
MAT 3040 MT= 57 (n,n') Level Legendre Coefficients 30-Zn-69



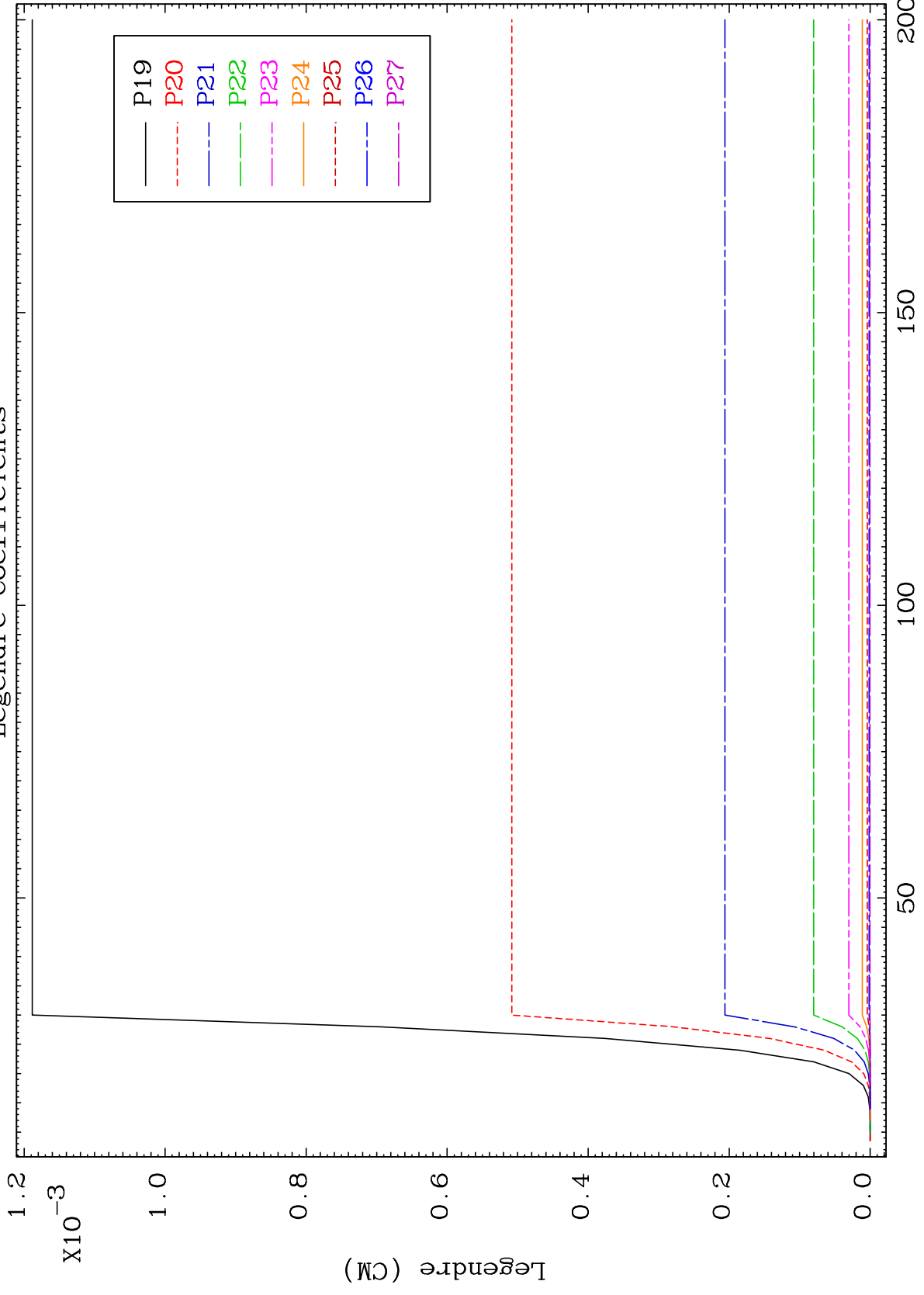
MAT 3040 MT= 58 (n,n') Level Legendre Coefficients 30-Zn-69



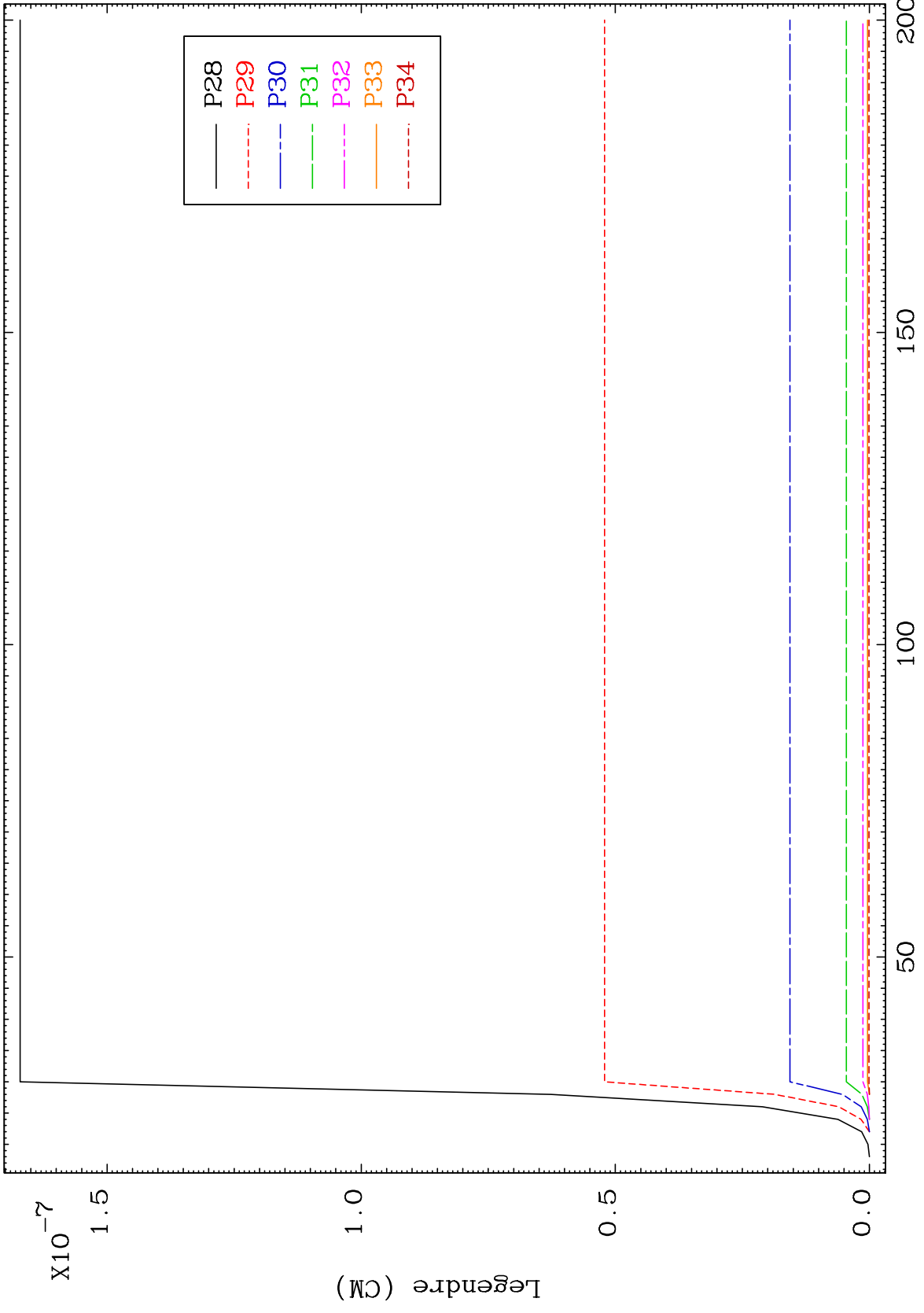
MAT 3040 MT= 58 (n,n') Level Legendre Coefficients 30-Zn-69



43 30-Zn-69

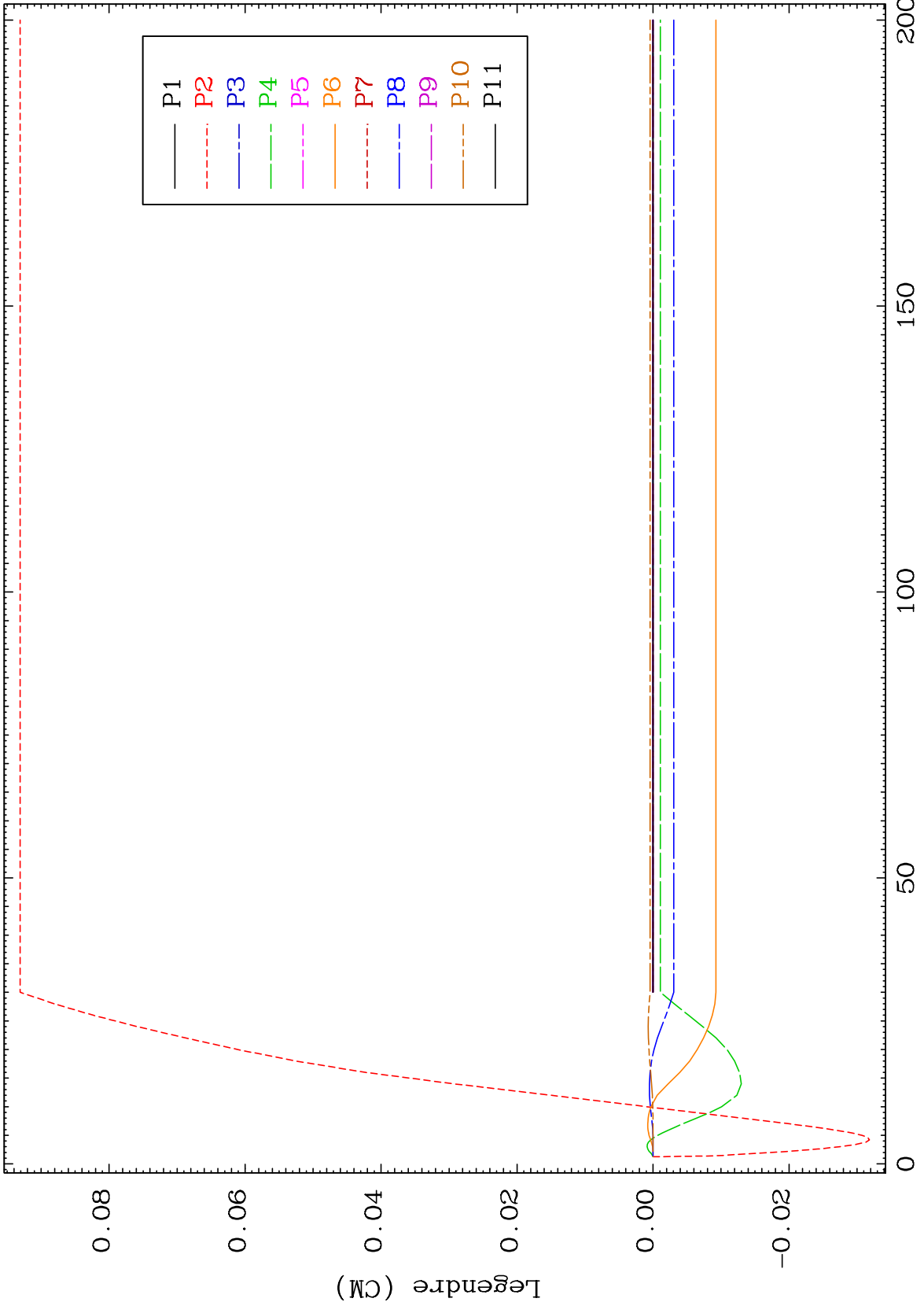


MAT 3040 MT= 58 (n,n') Level Legendre Coefficients 30-Zn-69



45 50 100 150 200 Incident Energy (MeV) 30-Zn-69

MAT 3040 MT= 59 (n,n') Level Legendre Coefficients 30-Zn-69

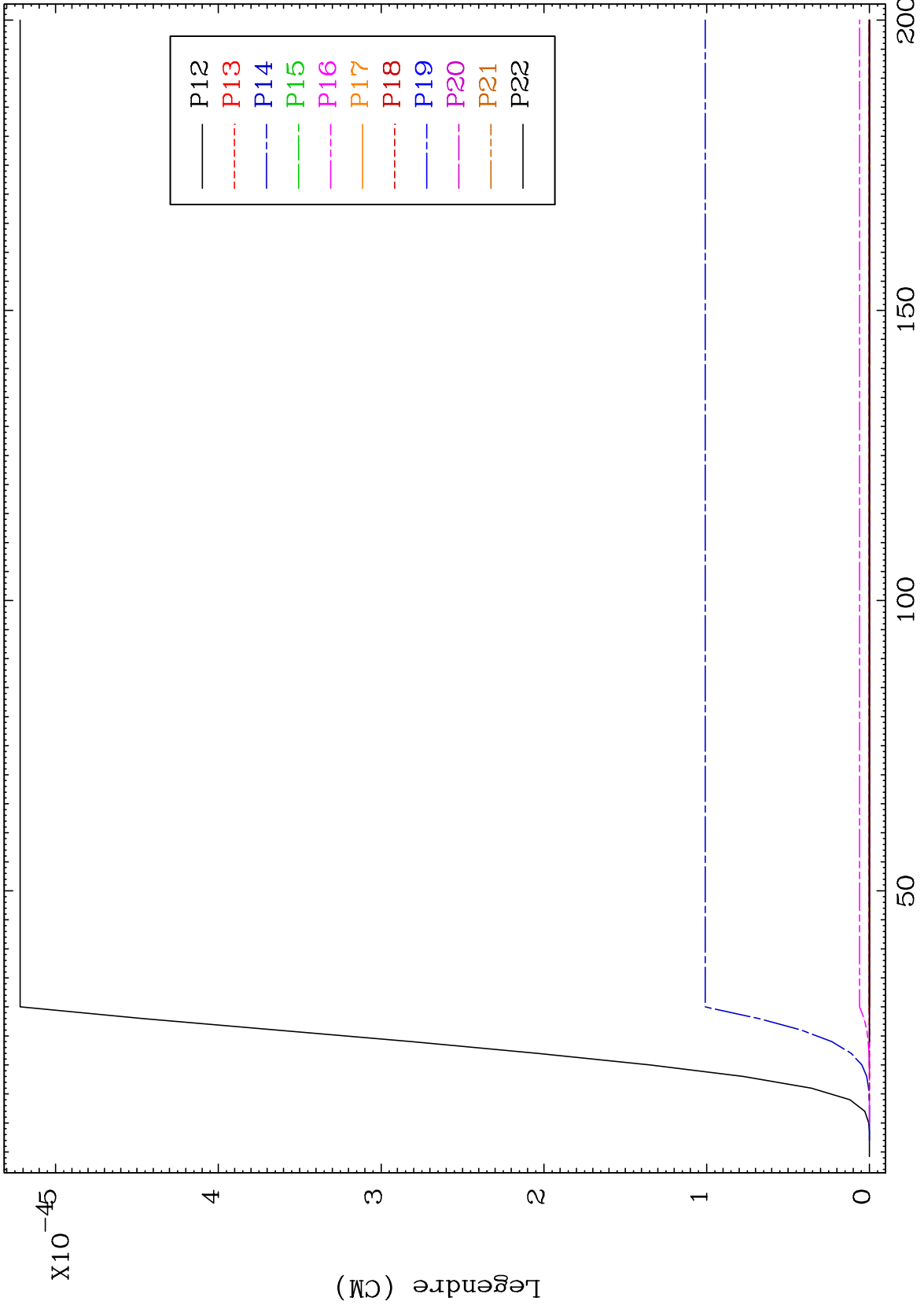


46 30-Zn-69

MAT 3040

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

30-Zn-69



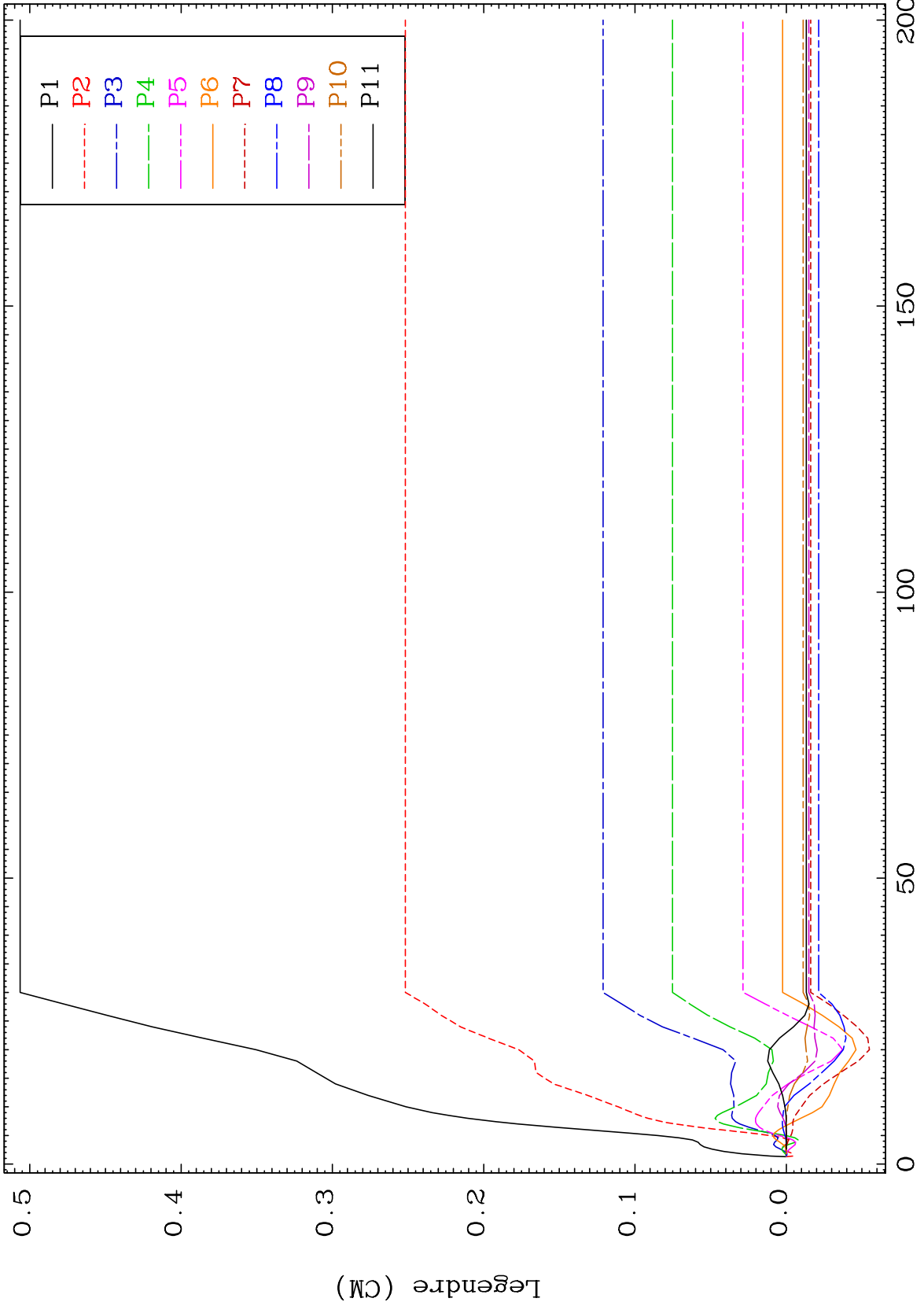
47

Incident Energy (MeV)

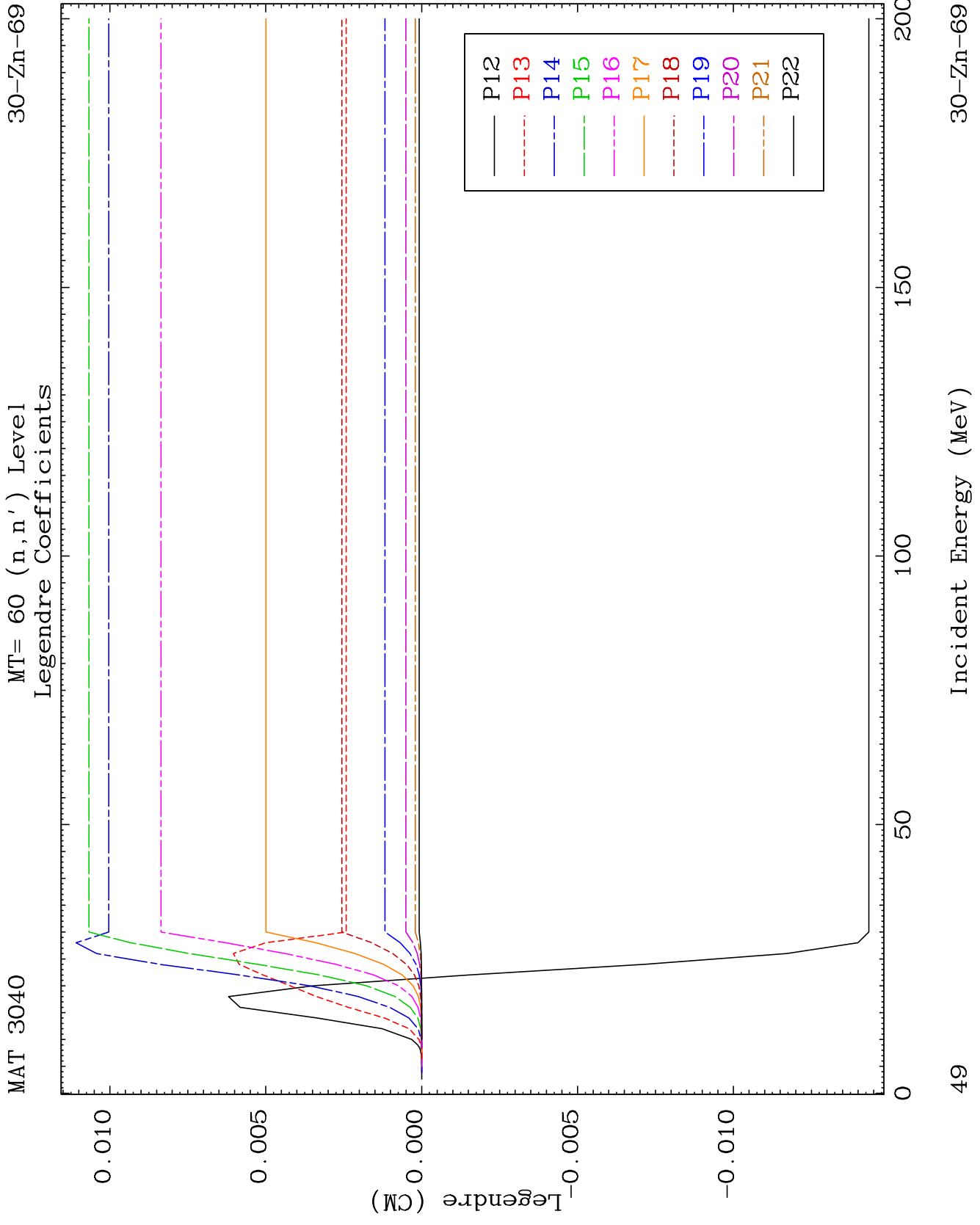
30-Zn-69



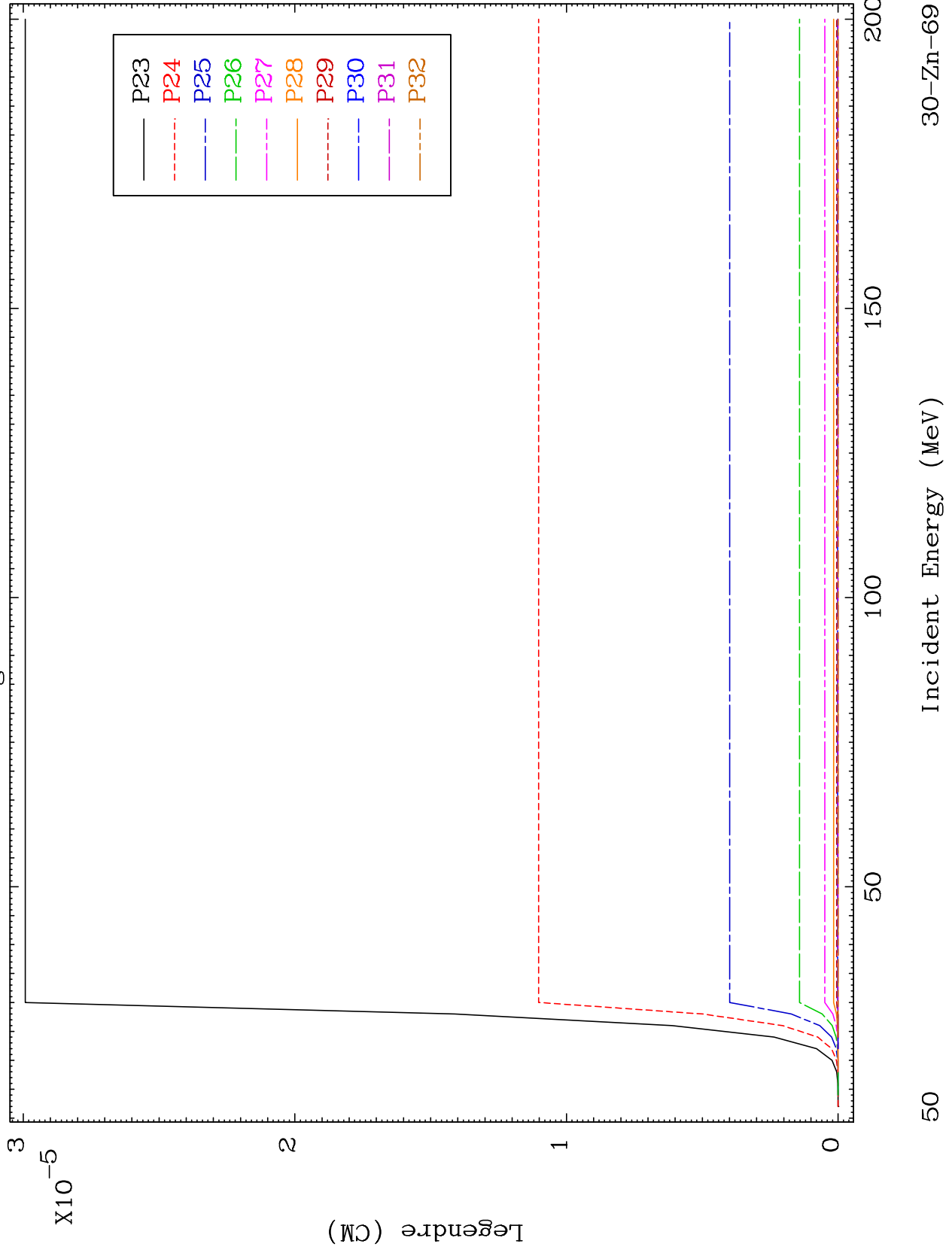
MAT 3040 MT= 60 (n,n') Level Legendre Coefficients 30-Zn-69



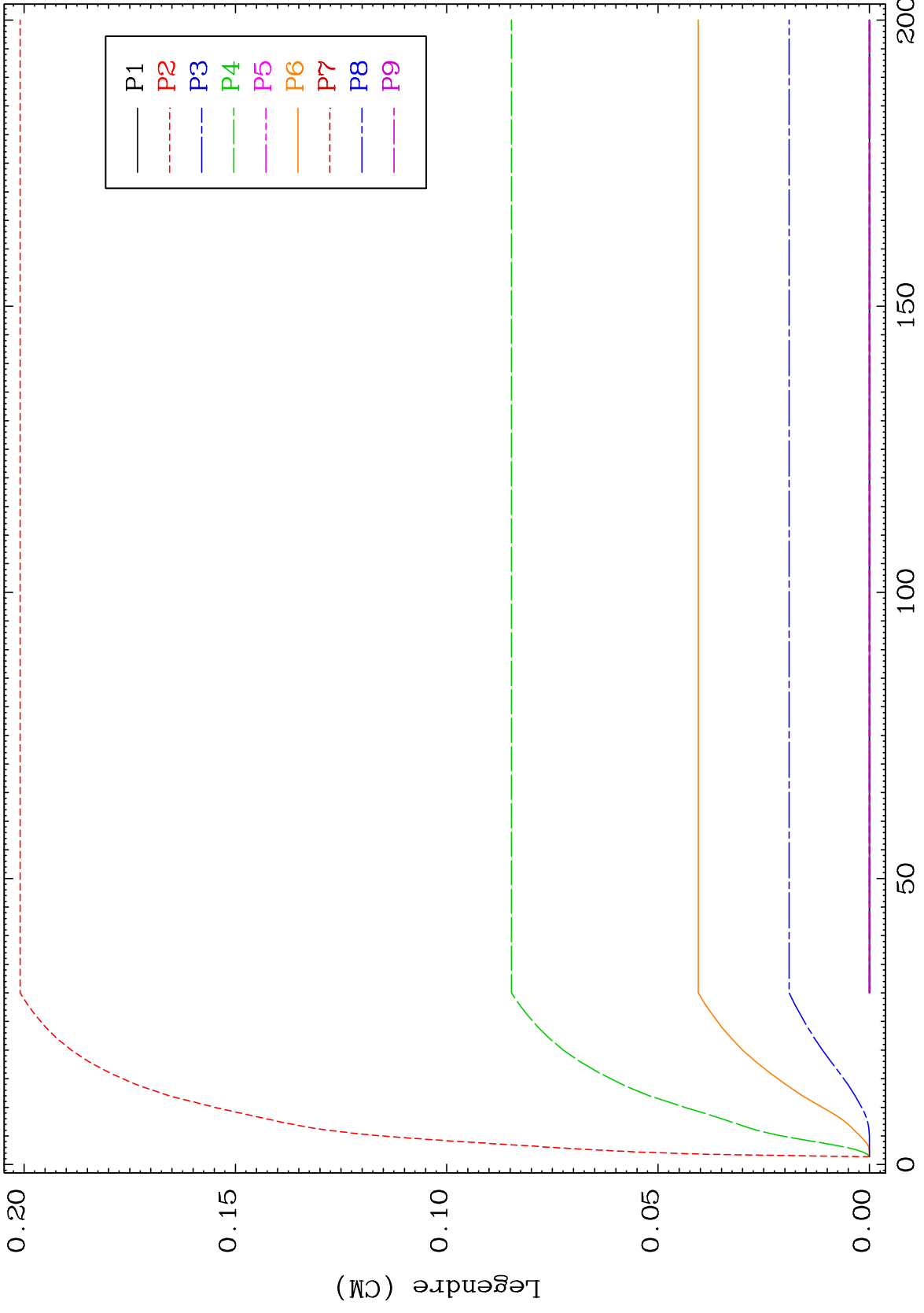
48 Incident Energy (MeV) 30-Zn-69



MAT 3040 MT= 60 (n,n') Level Legendre Coefficients 30-Zn-69

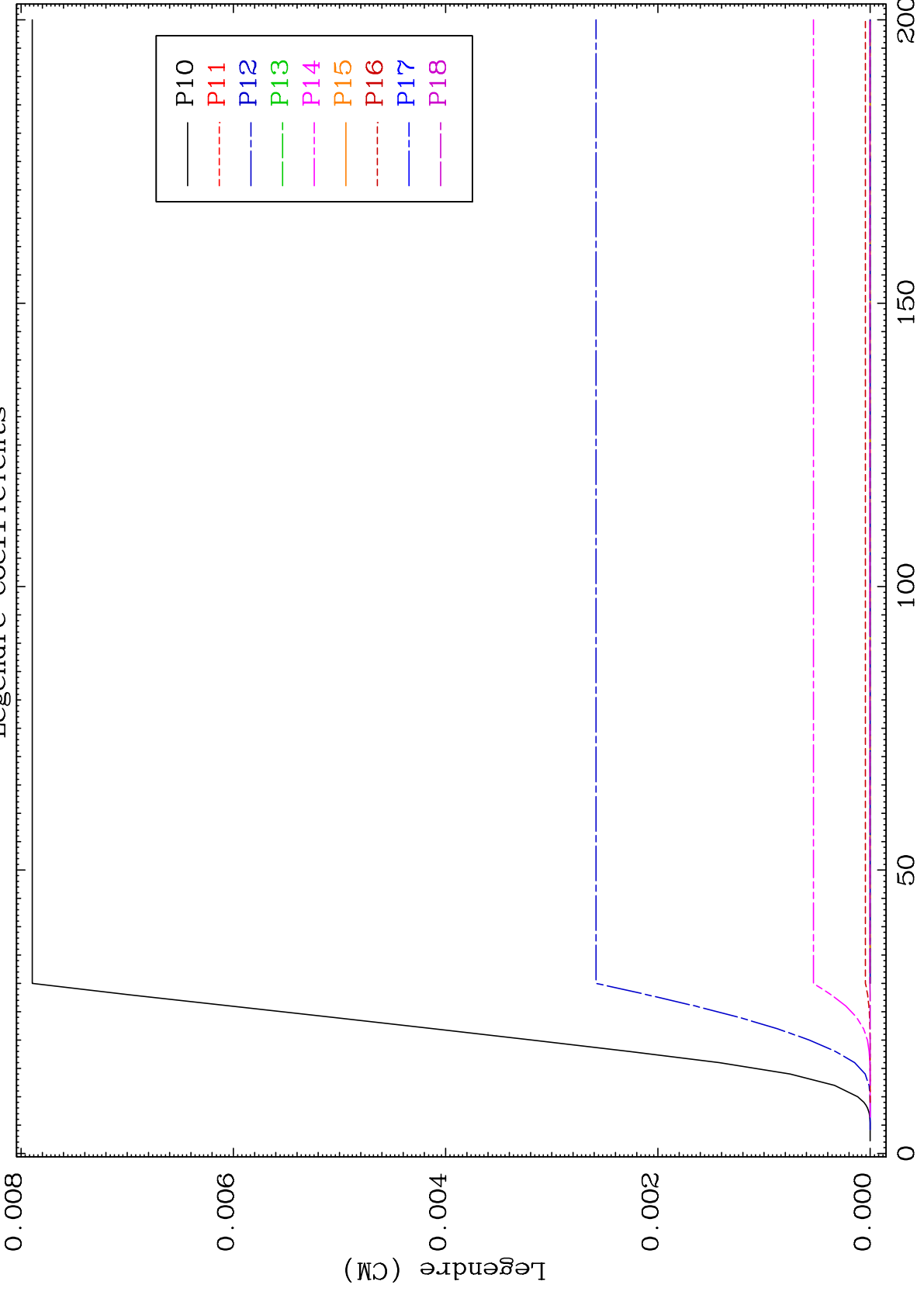


MAT 3040 MT= 61 (n,n') Level Legendre Coefficients 30-Zn-69



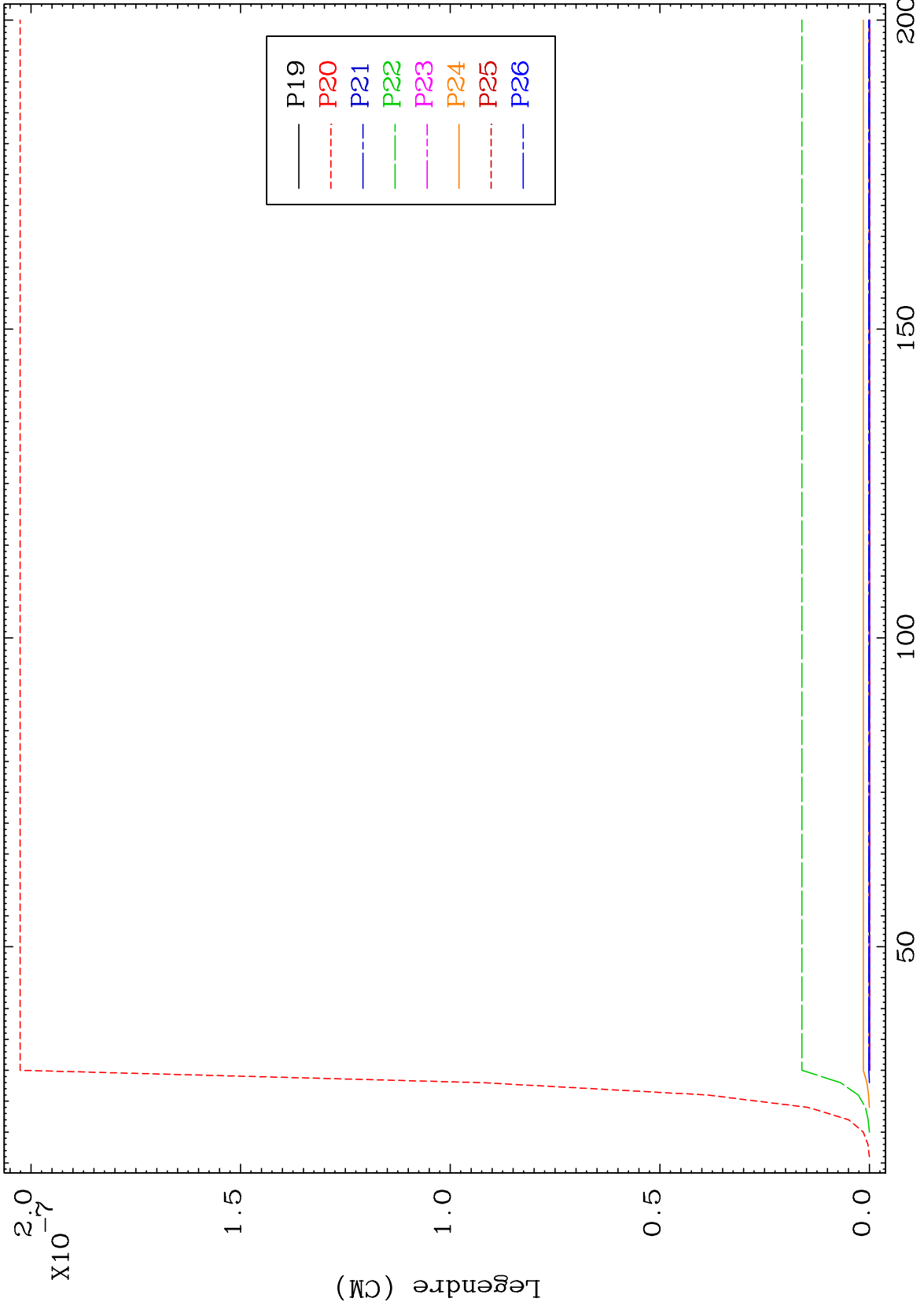
51 Incident Energy (MeV) 30-Zn-69

MAT 3040 MT= 61 (n,n') Level Legendre Coefficients 30-Zn-69

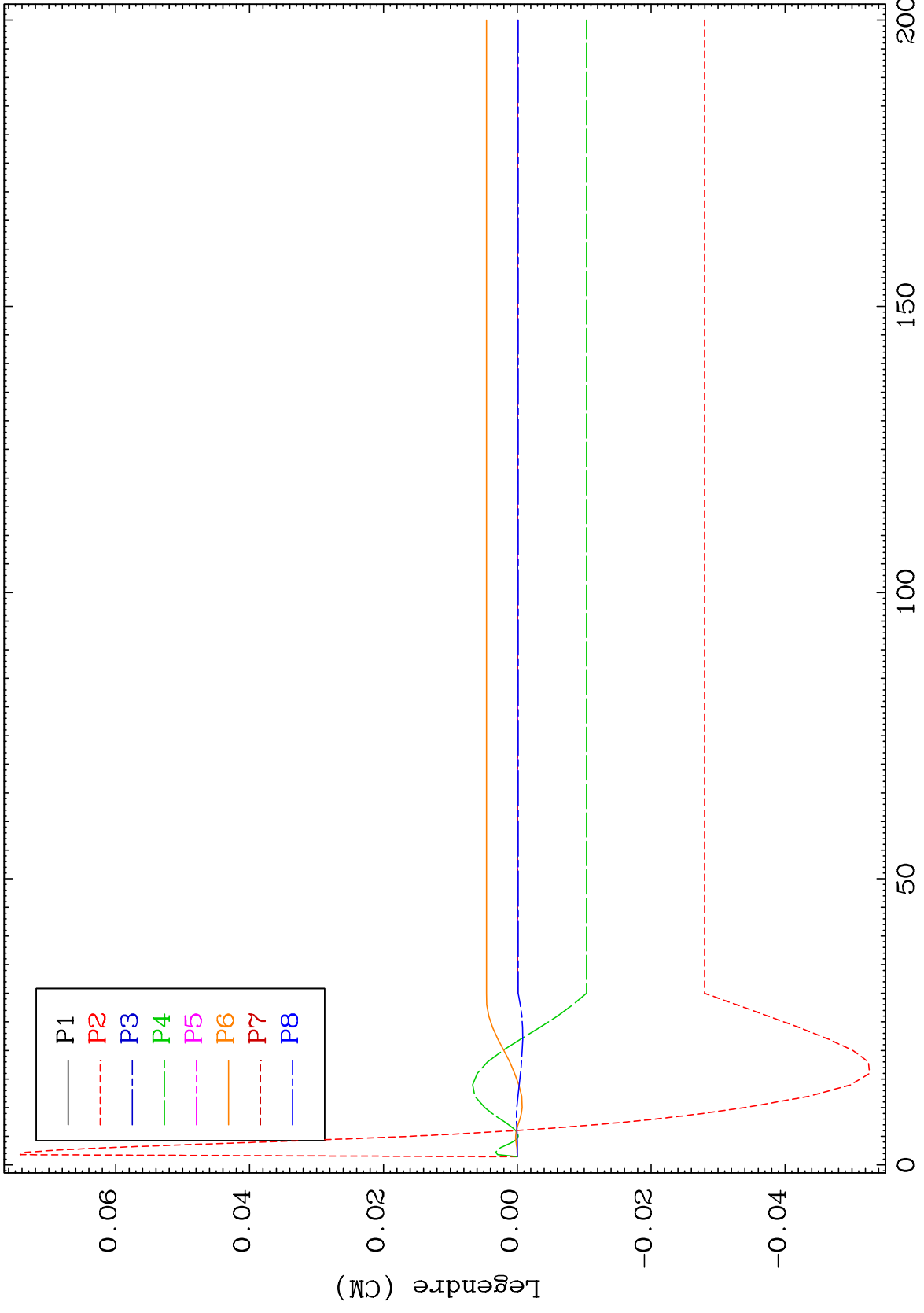


52 Incident Energy (MeV) 30-Zn-69

MAT 3040 MT= 61 (n,n') Level Legendre Coefficients 30-Zn-69



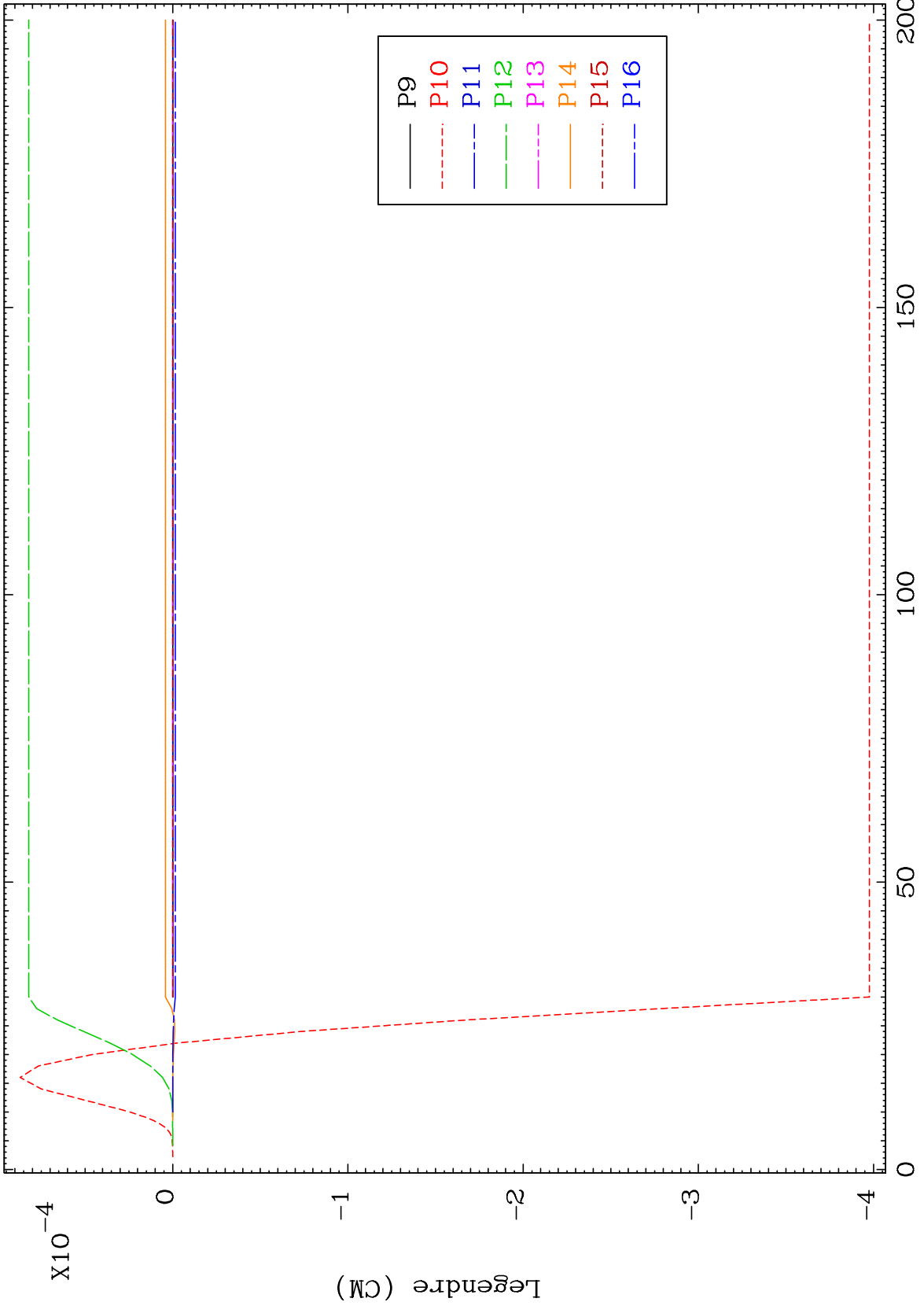
MAT 3040 MT= 62 (n,n') Level Legendre Coefficients 30-Zn-69



30-Zn-69

Incident Energy (MeV)

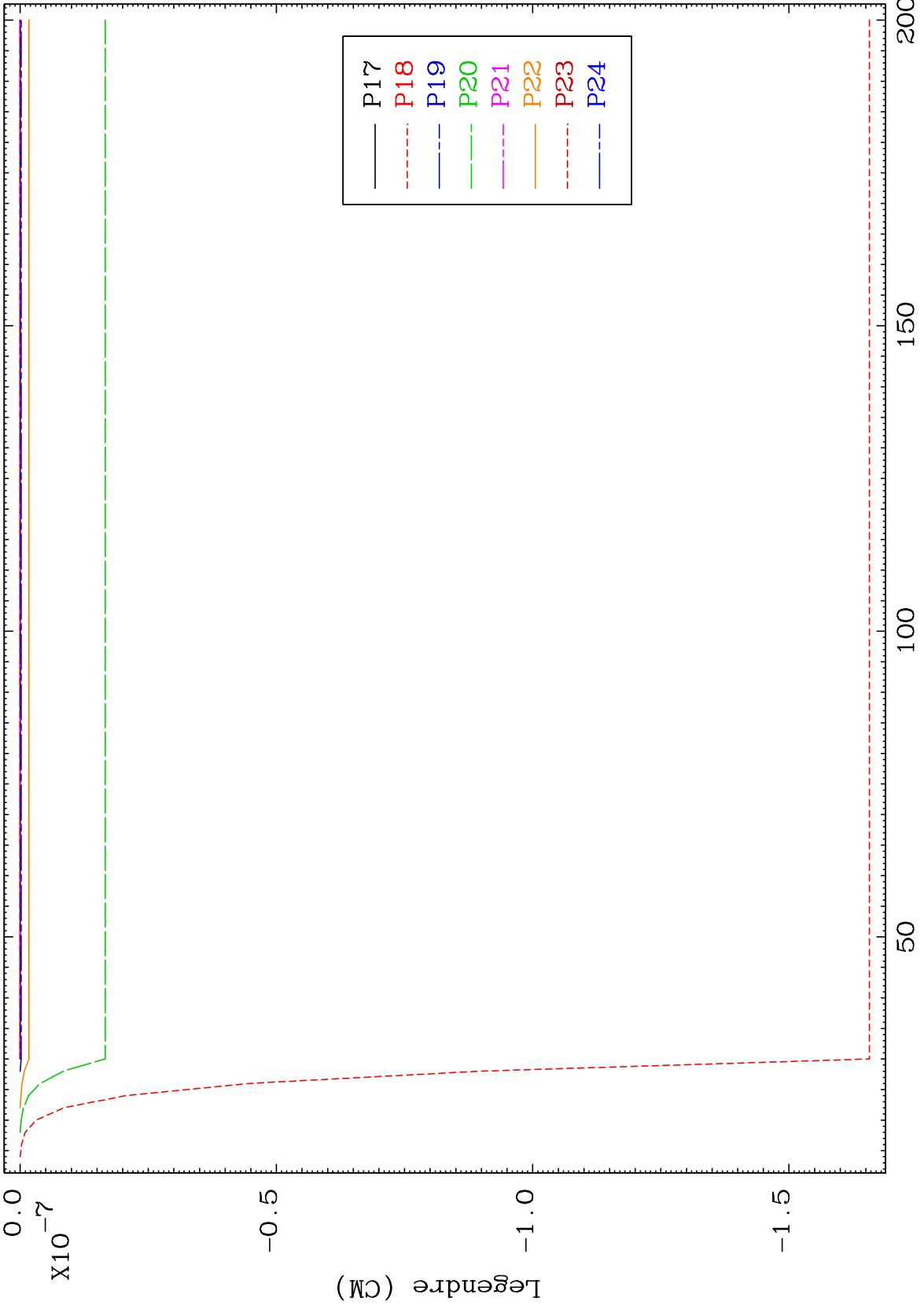
MAT 3040 MT= 62 (n,n') Level Legendre Coefficients 30-Zn-69



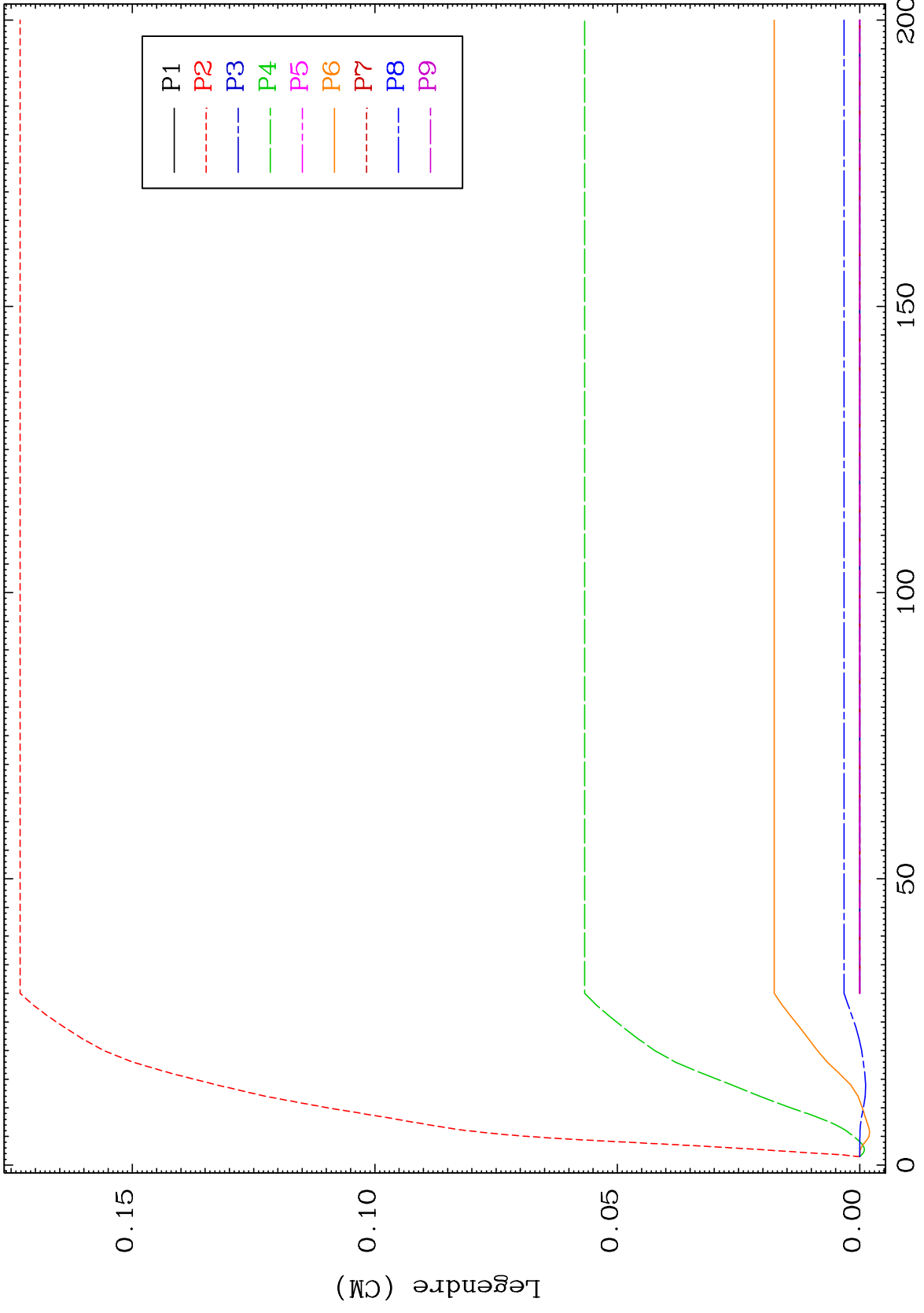
55 Incident Energy (MeV) 30-Zn-69



MAT 3040 MT= 62 (n,n') Level Legendre Coefficients 30-Zn-69

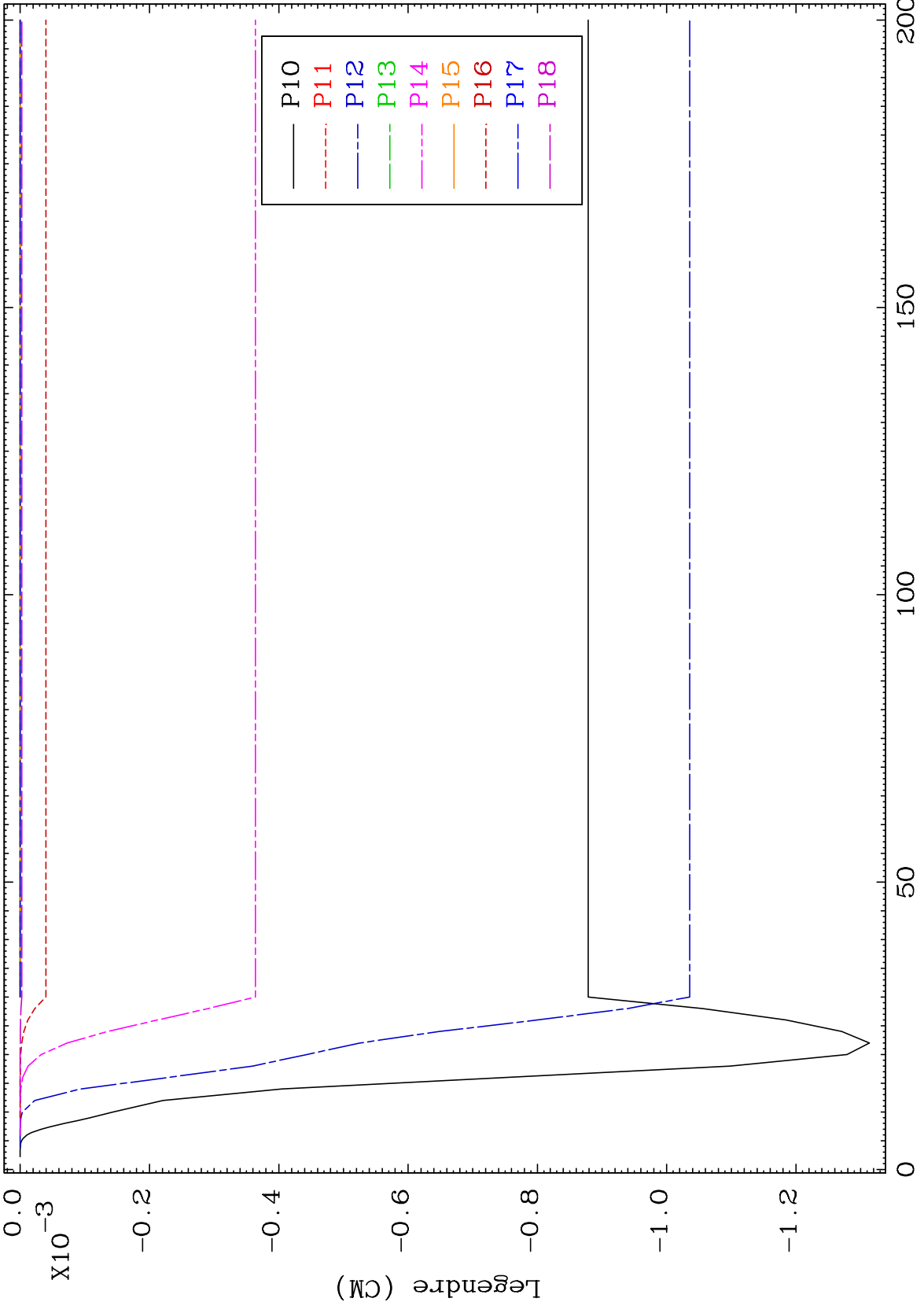


MAT 3040 MT= 63 (n,n') Level Legendre Coefficients 30-Zn-69



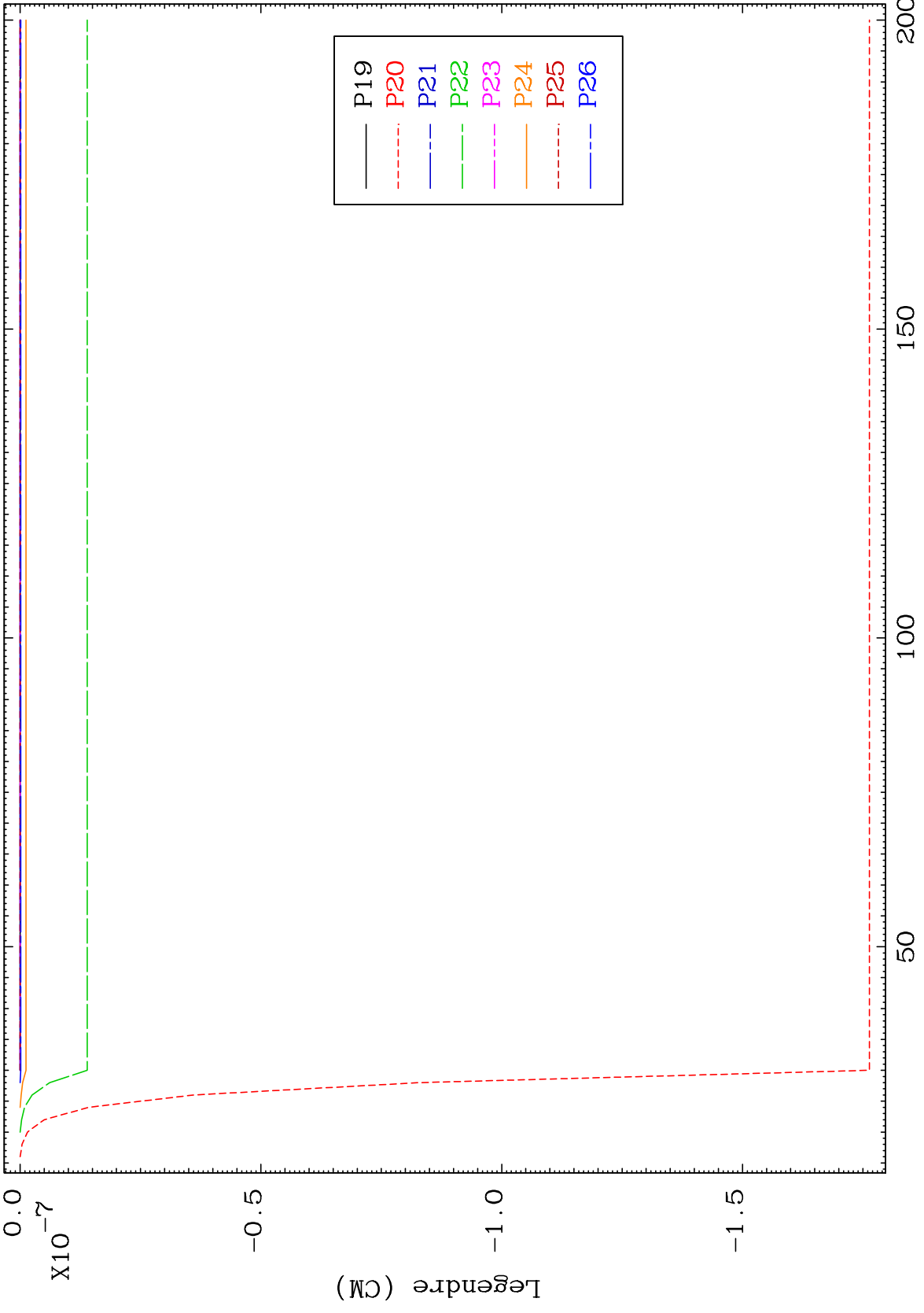
57 30-Zn-69

MAT 3040 MT= 63 (n,n') Level Legendre Coefficients 30-Zn-69



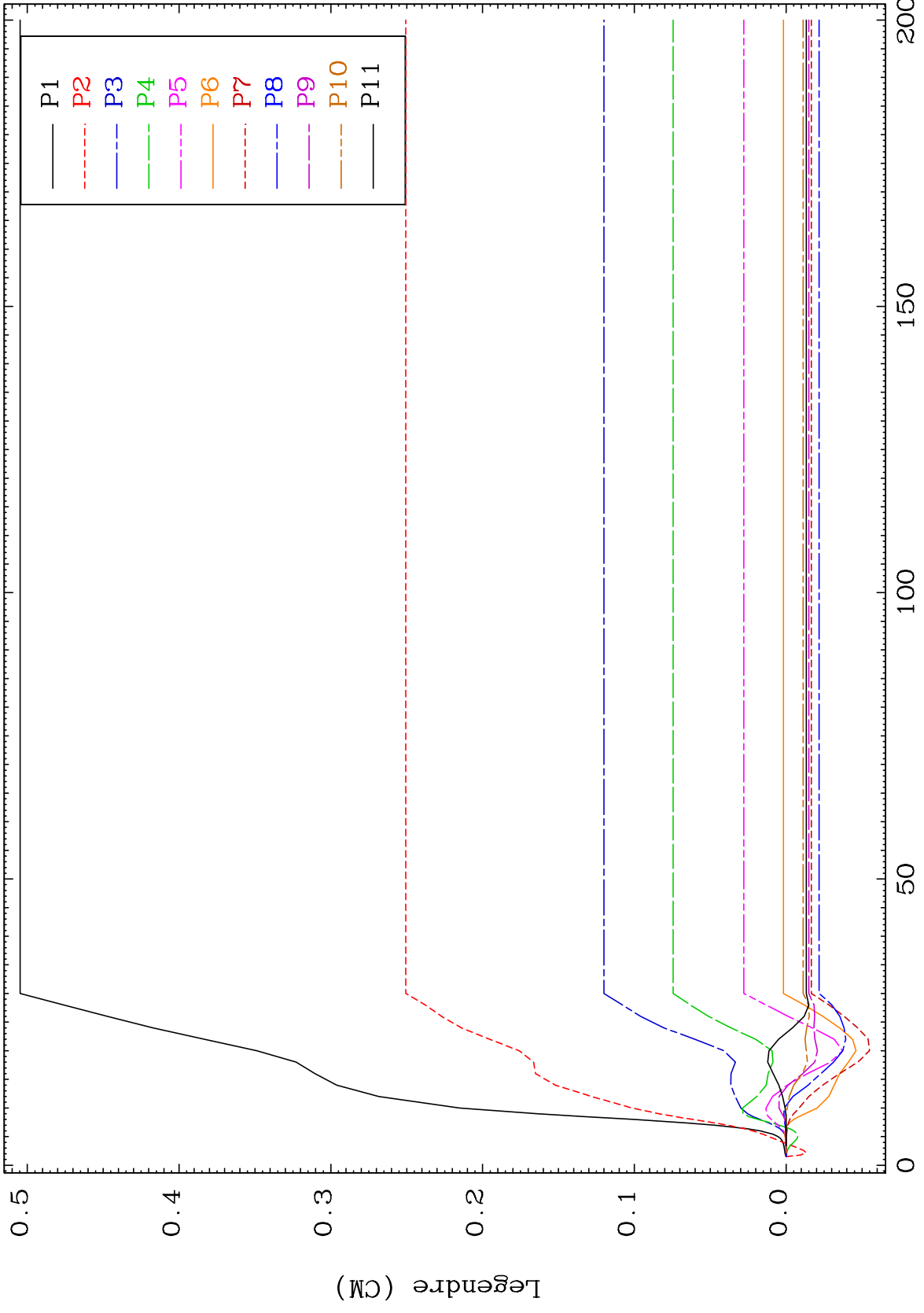
58 Incident Energy (MeV) 30-Zn-69

MAT 3040 MT= 63 (n,n') Level Legendre Coefficients 30-Zn-69



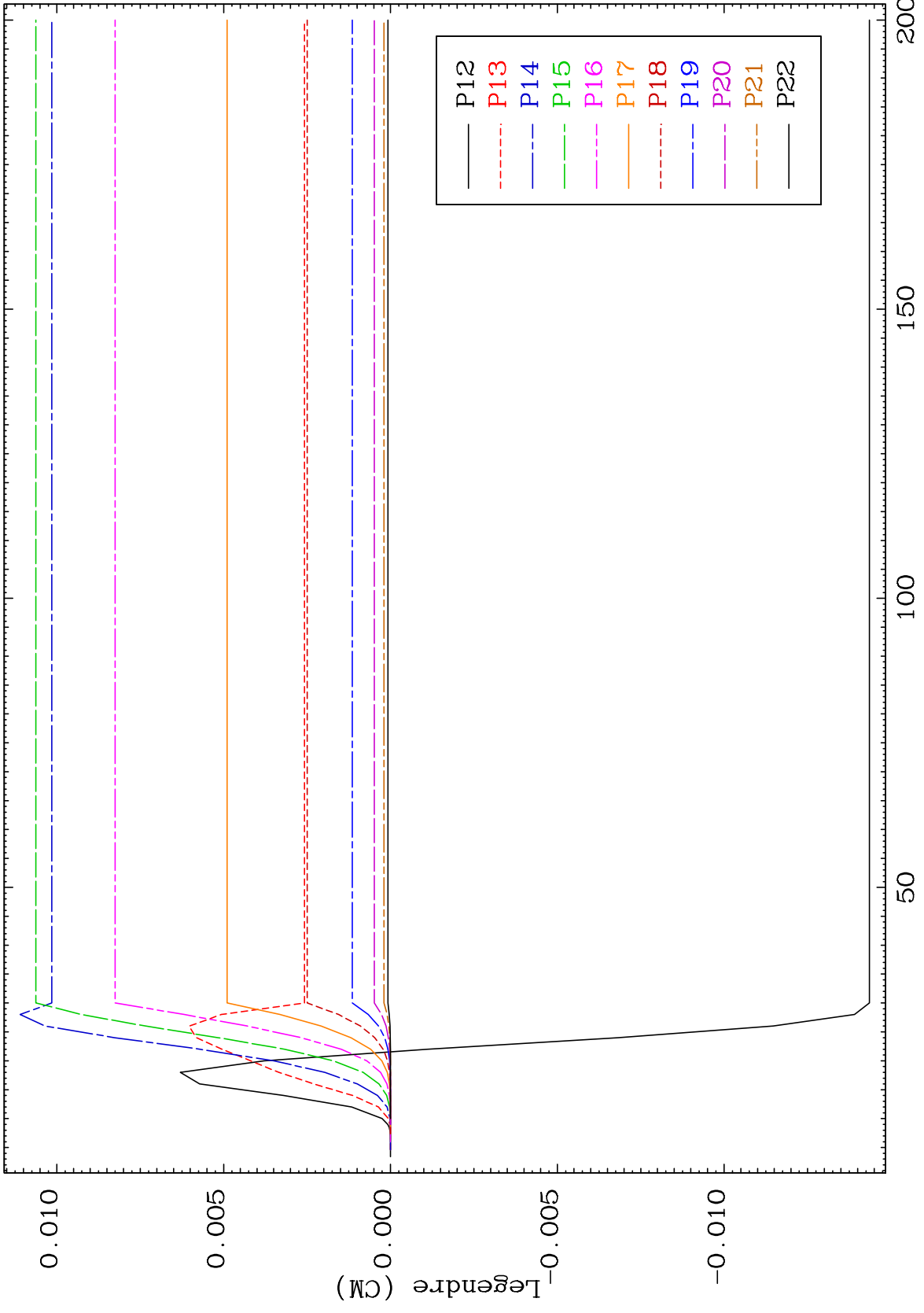
59 Incident Energy (MeV) 30-Zn-69

MAT 3040 MT= 64 (n,n') Level Legendre Coefficients 30-Zn-69

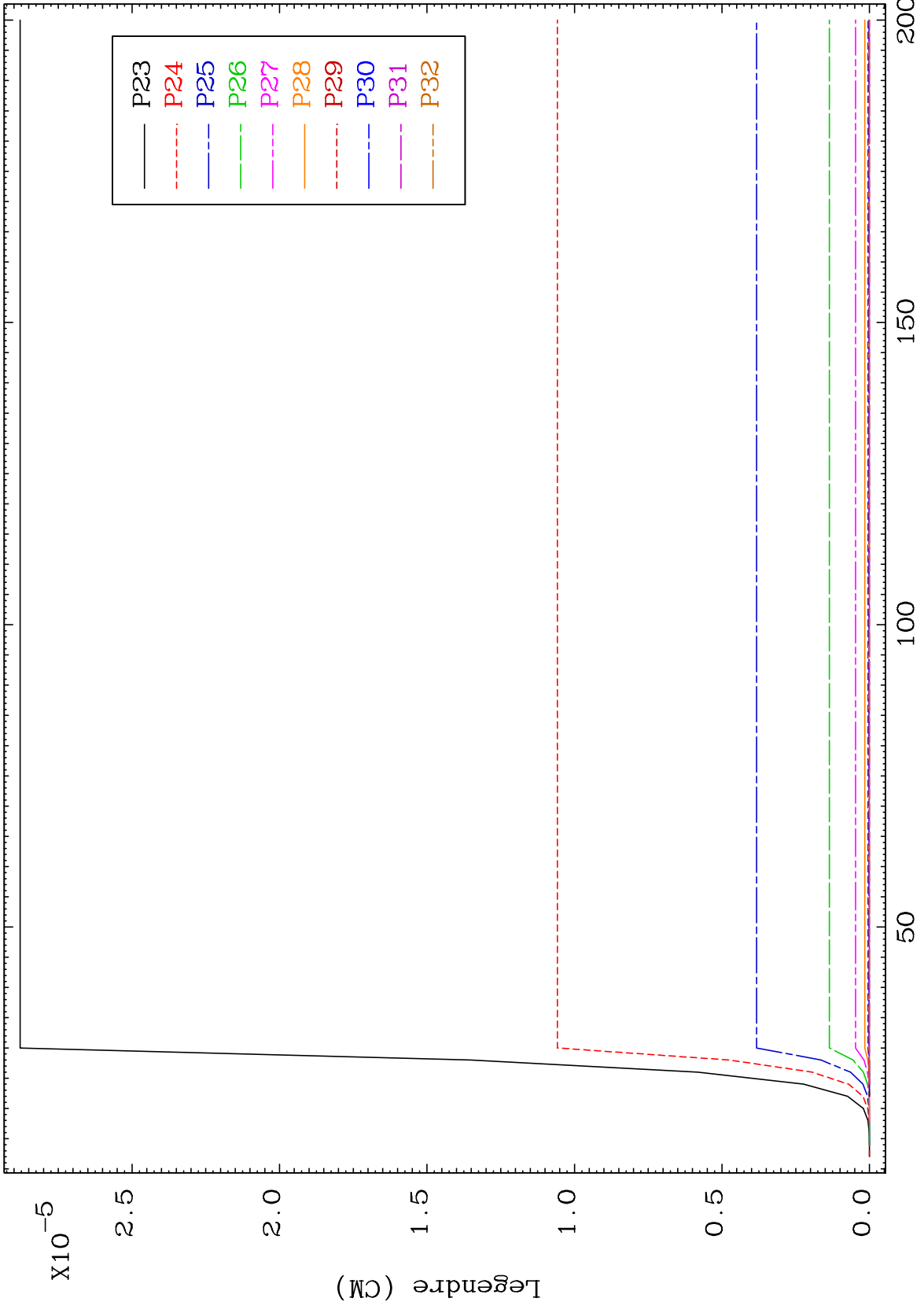


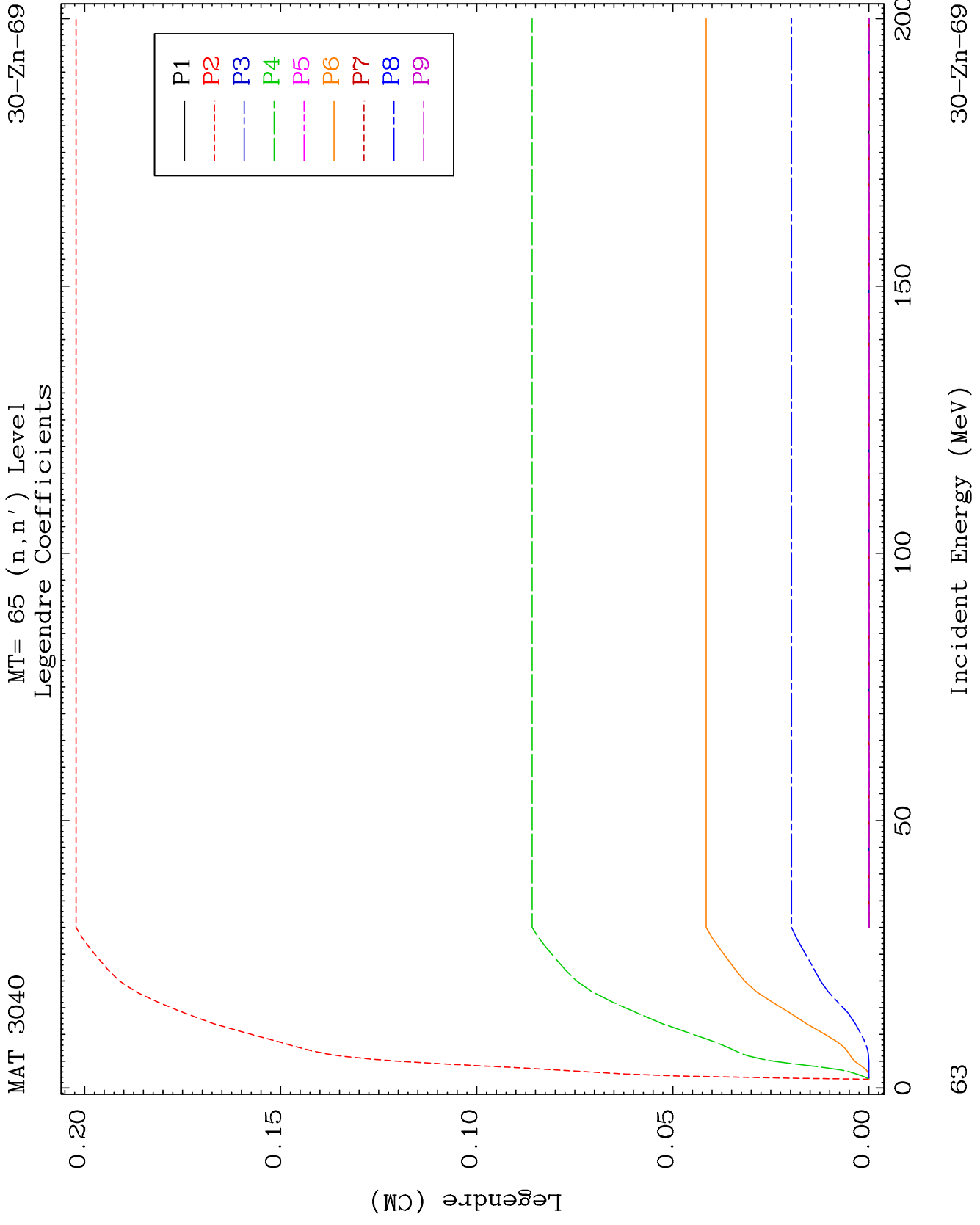
Incident Energy (MeV) 30-Zn-69

MAT 3040 MT= 64 (n,n') Level Legendre Coefficients 30-Zn-69



61 Incident Energy (MeV) 30-Zn-69



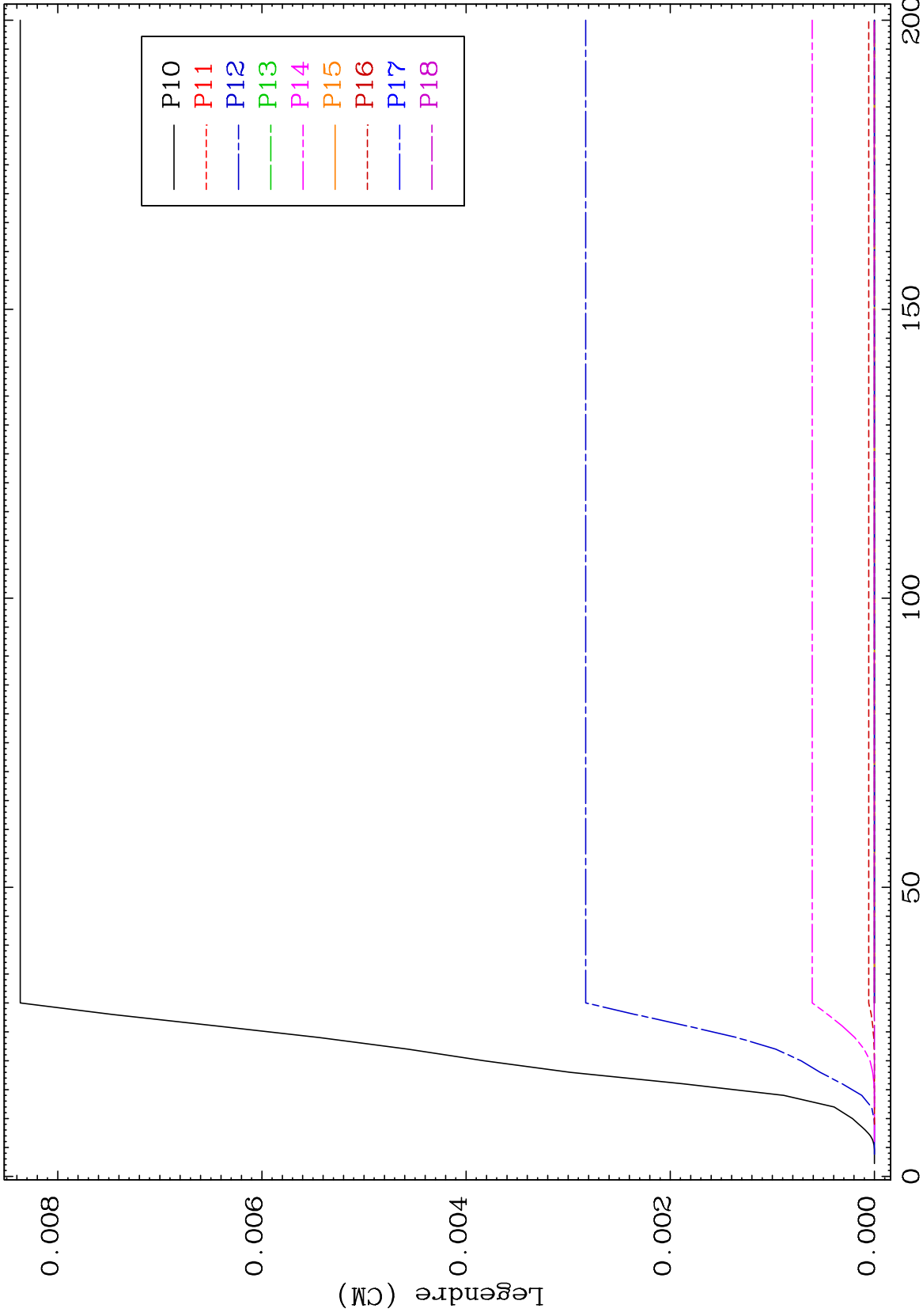




MAT 3040

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

30-Zn-69

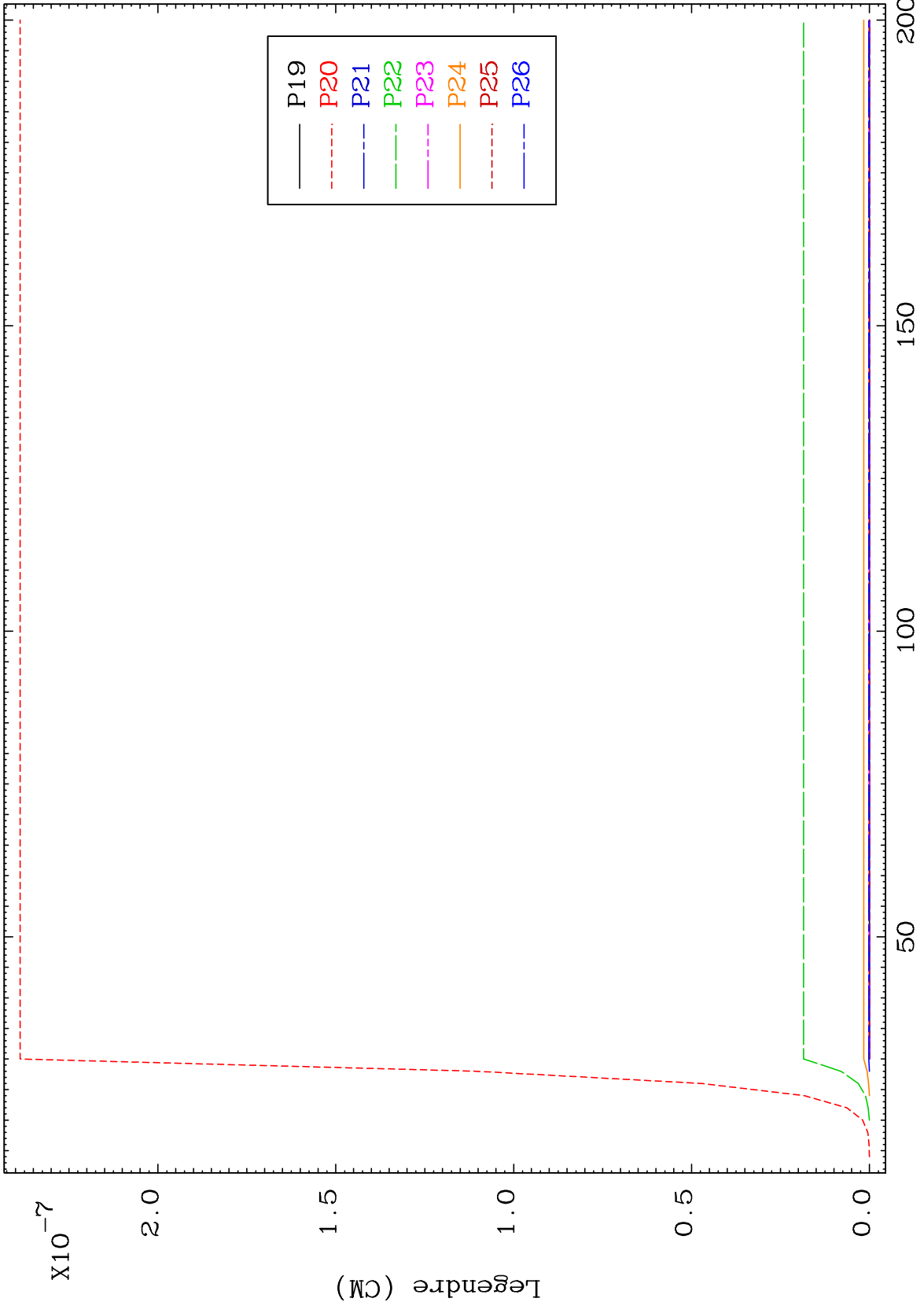


64

Incident Energy (MeV)

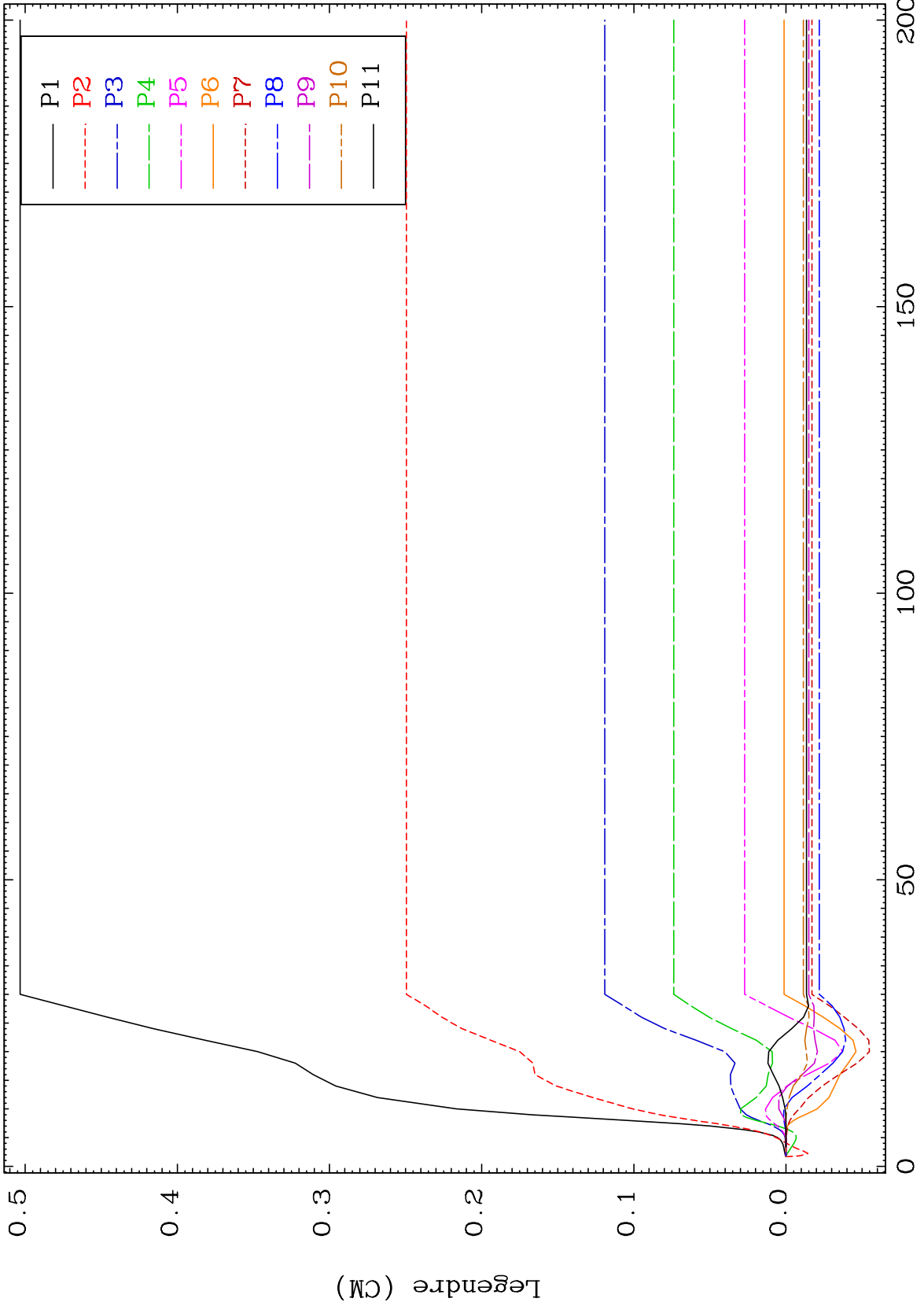
30-Zn-69

MAT 3040 MT= 65 (n,n') Level Legendre Coefficients 30-Zn-69



65 Incident Energy (MeV) 30-Zn-69

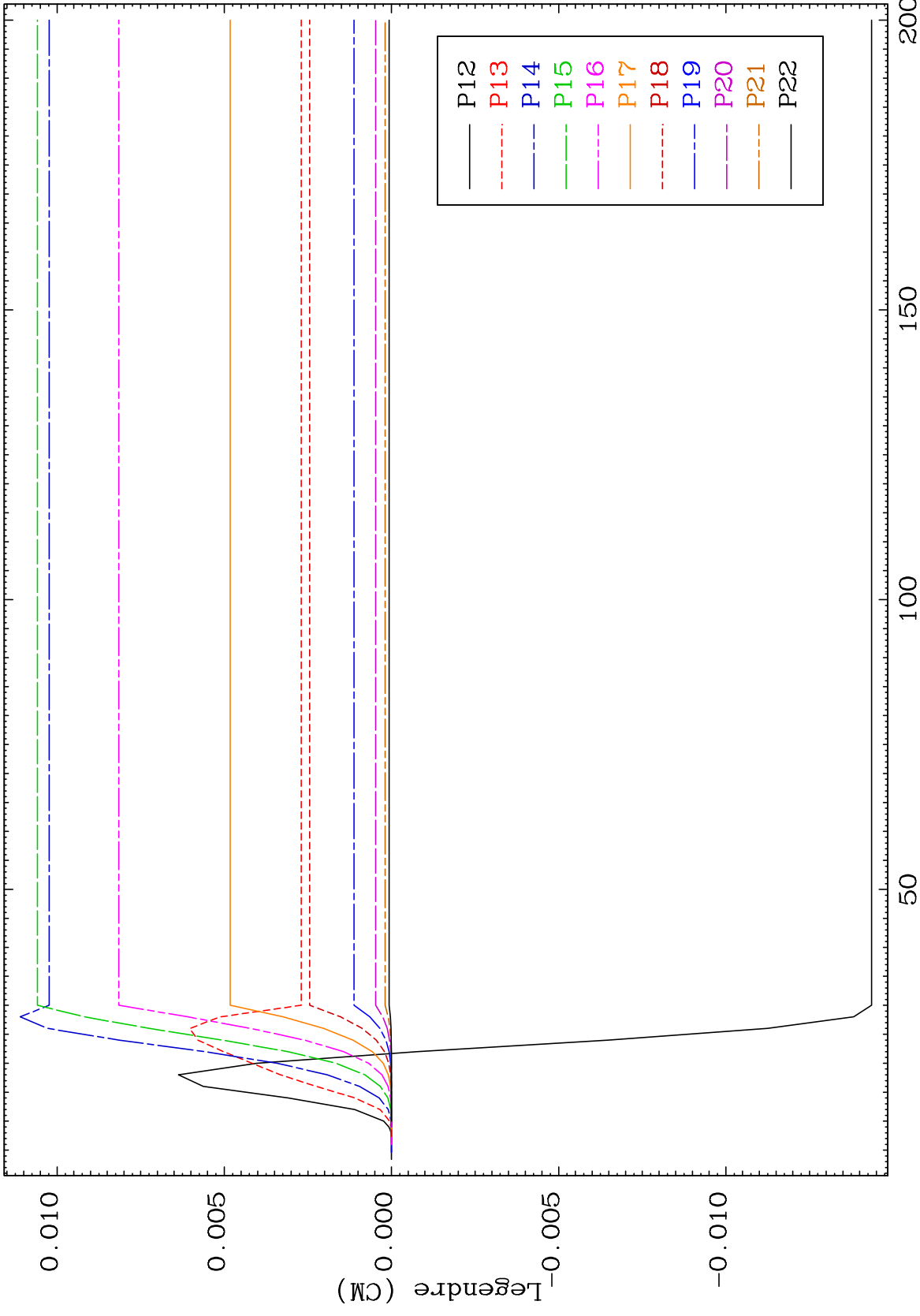
MAT 3040 MT= 66 (n,n') Level Legendre Coefficients 30-Zn-69



66 30-Zn-69

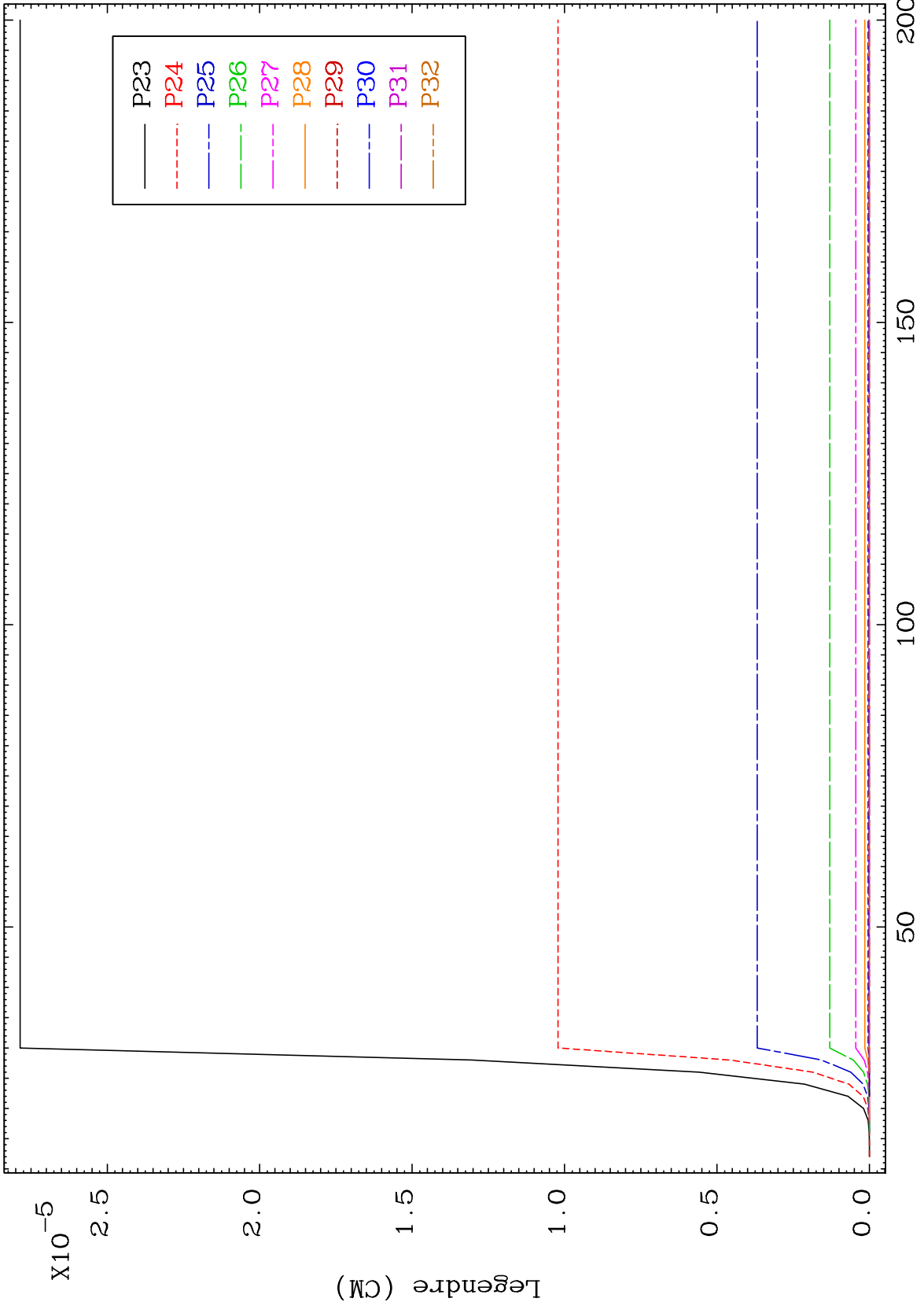
MAT 3040 MT= 66 (n,n') Level Legendre Coefficients

30-Zn-69



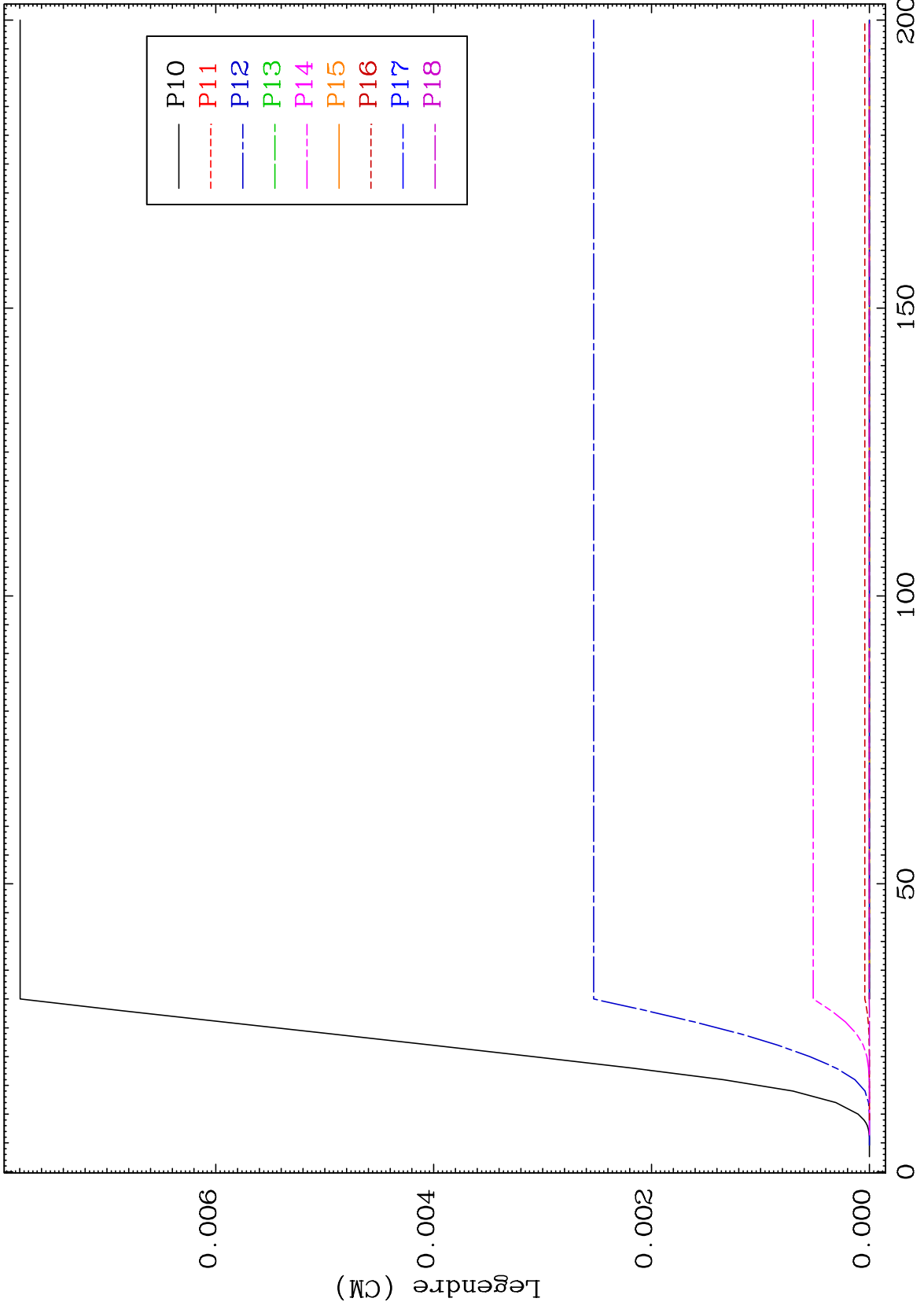
30-Zn-69

Incident Energy (MeV)



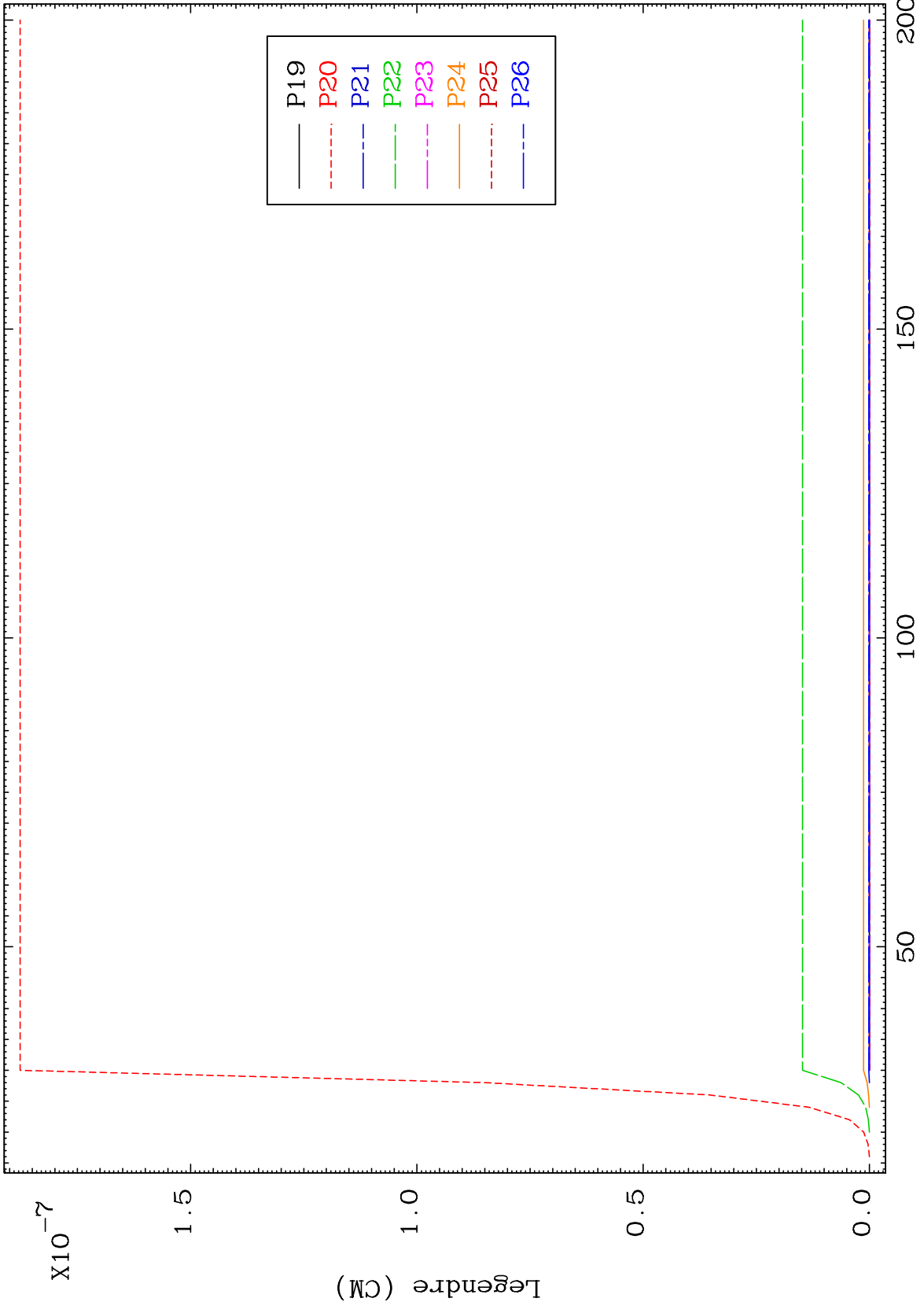


MAT 3040 MT= 67 (n,n') Level Legendre Coefficients 30-Zn-69



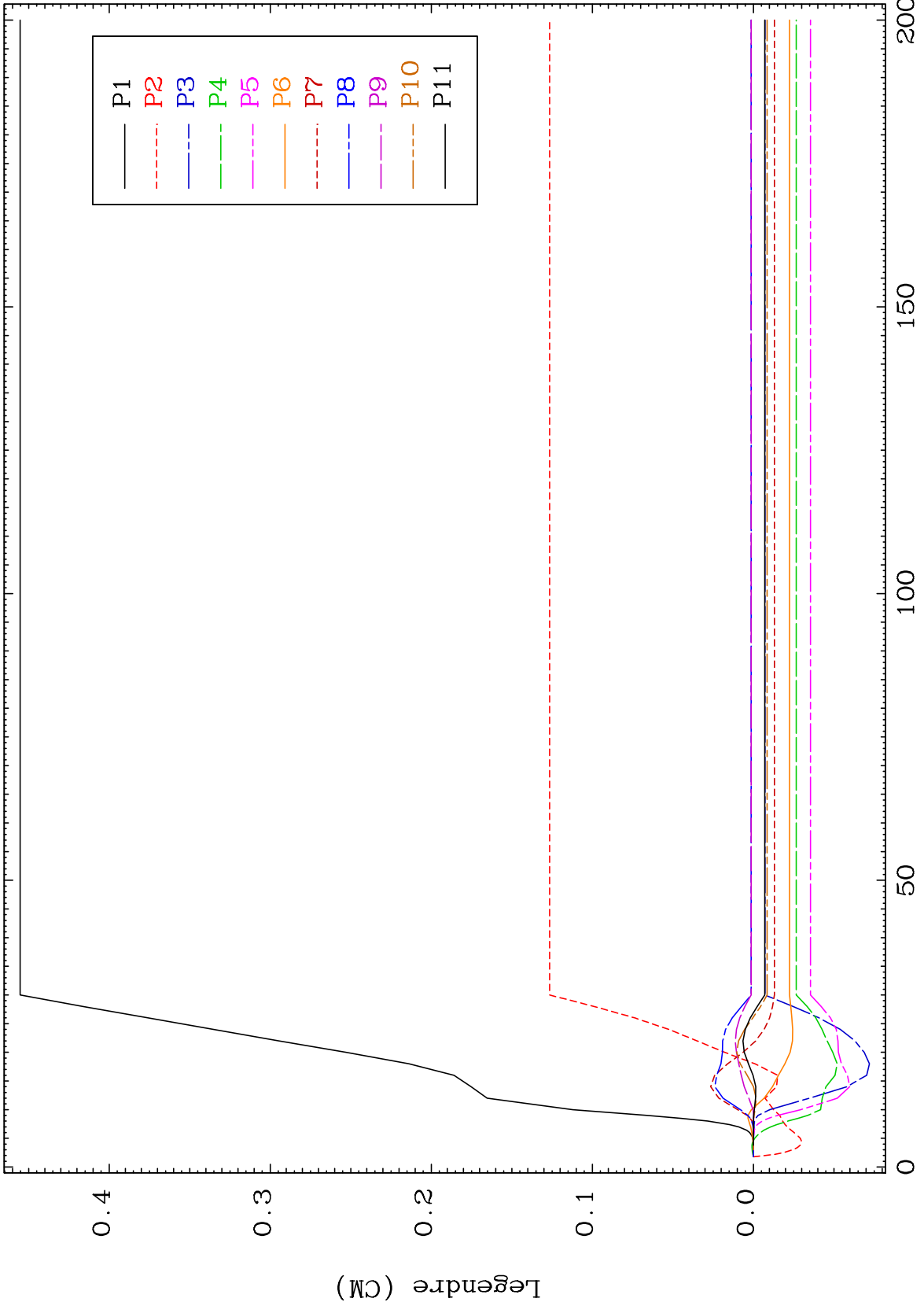
30-Zn-69

MAT 3040 MT= 67 (n,n') Level Legendre Coefficients 30-Zn-69





MAT 3040 MT= 68 (n,n') Level Legendre Coefficients 30-Zn-69

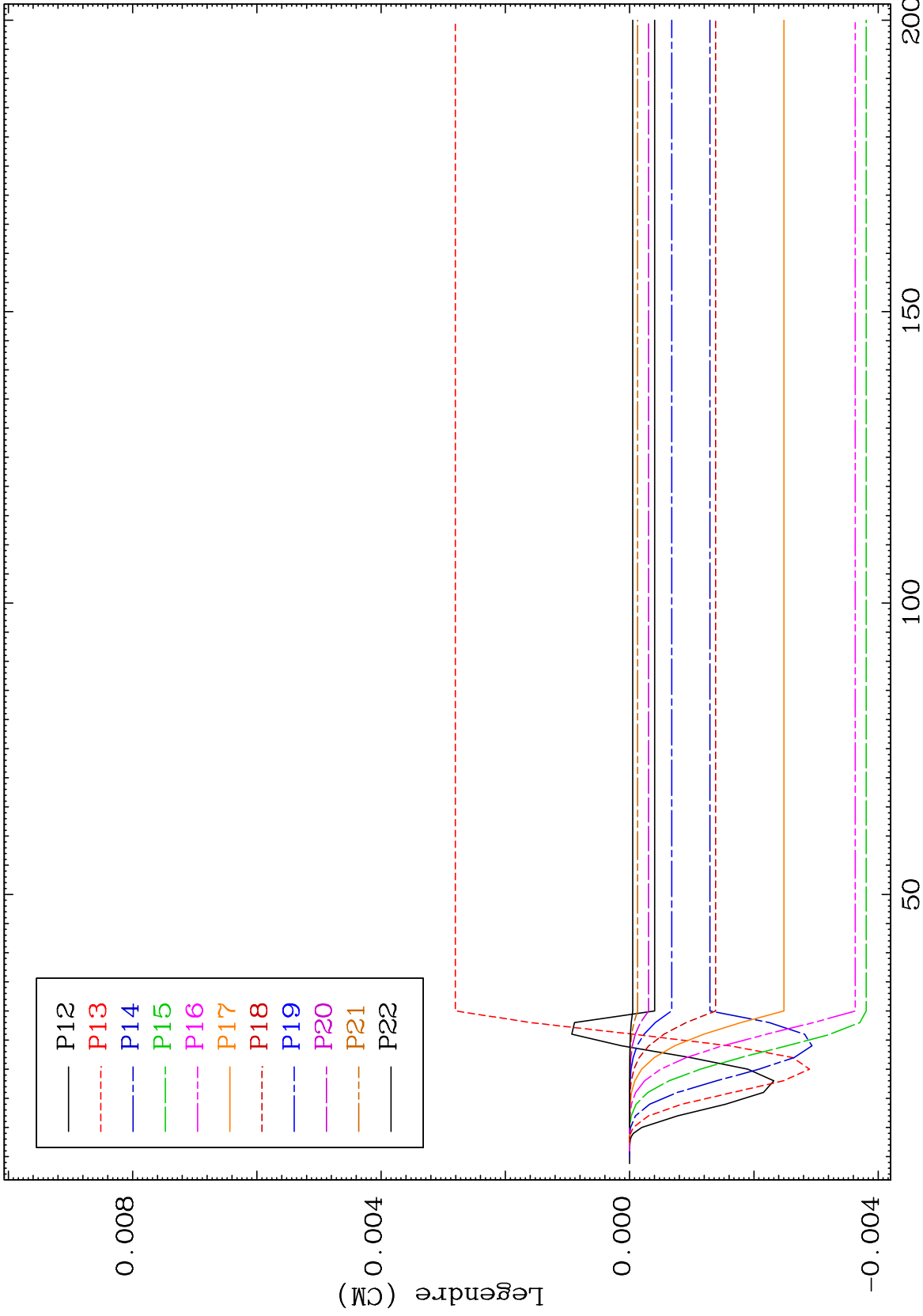


72 30-Zn-69

MAT 3040

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

30-Zn-69

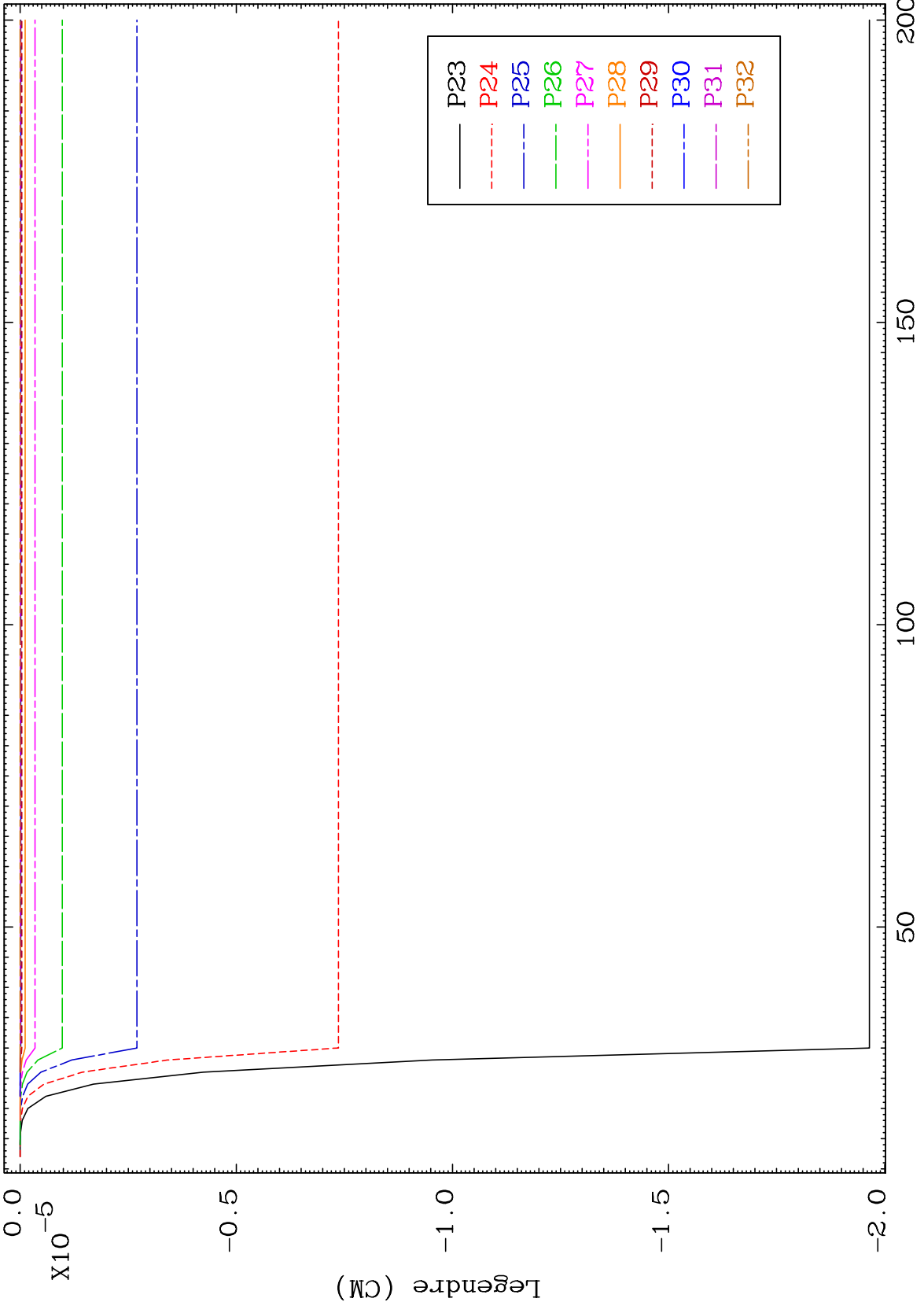


73

Incident Energy (MeV)

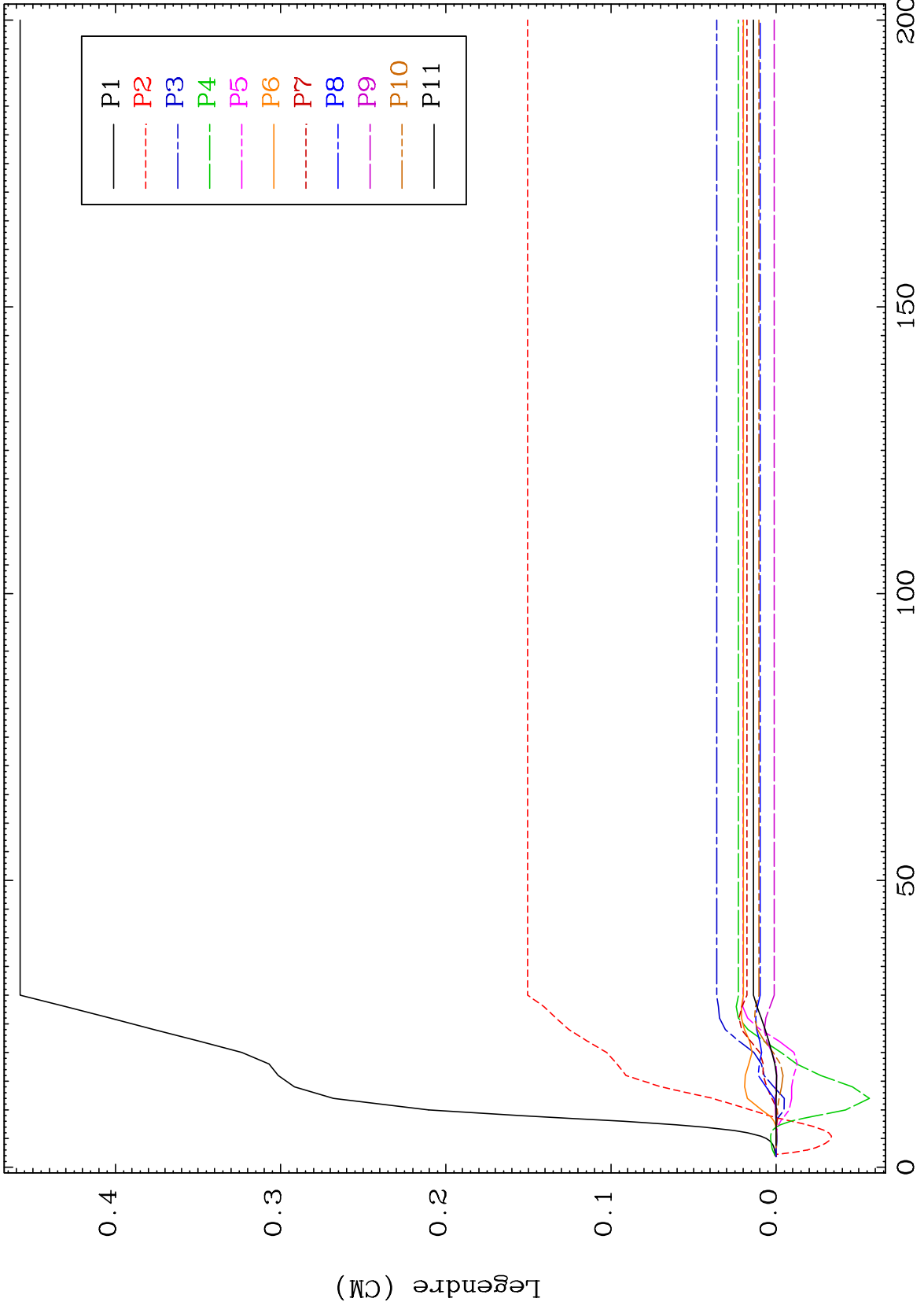
30-Zn-69

MAT 3040 MT= 68 (n,n') Level Legendre Coefficients 30-Zn-69



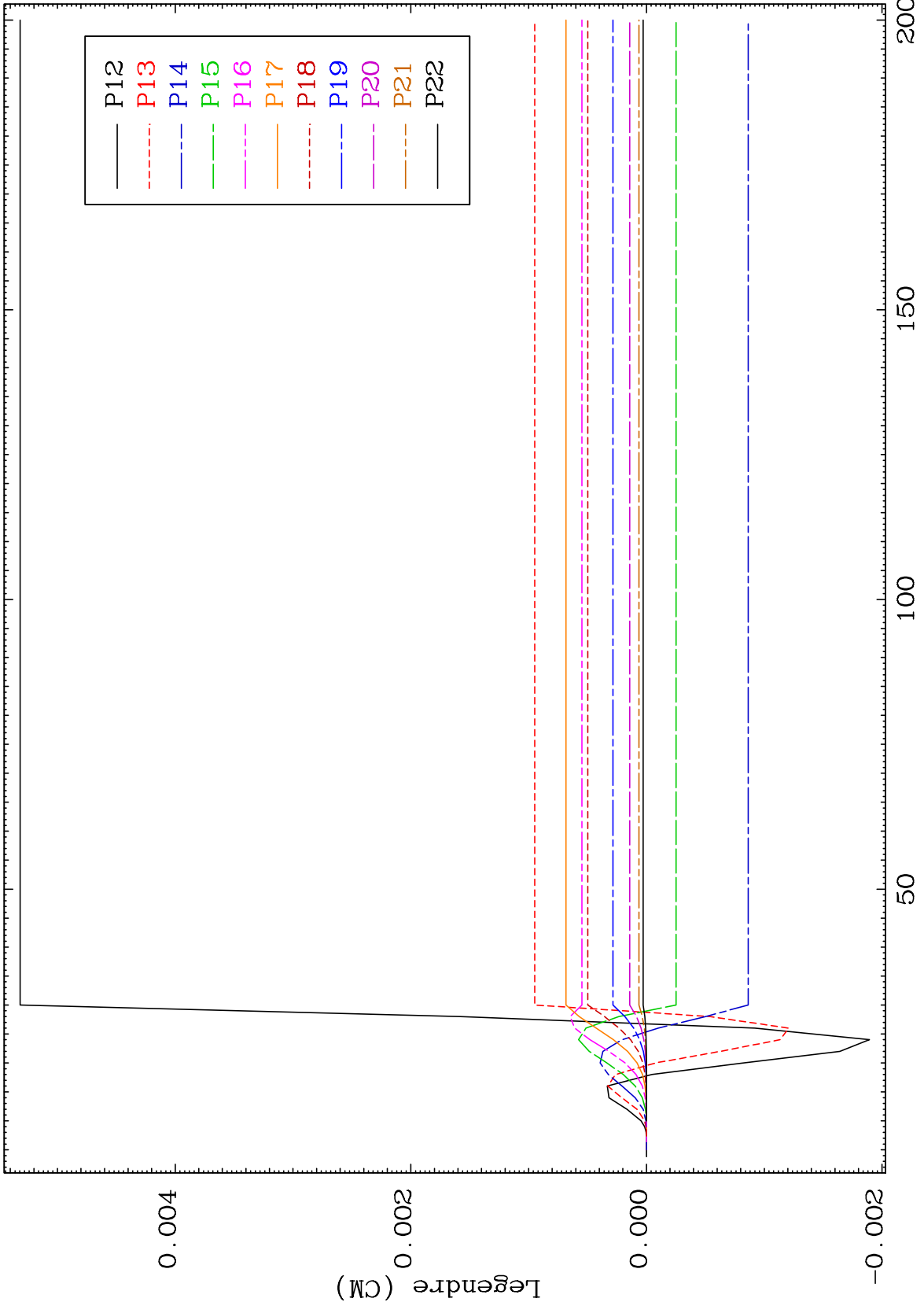
74 Incident Energy (MeV) 30-Zn-69

MAT 3040 MT= 69 (n,n') Level Legendre Coefficients 30-Zn-69

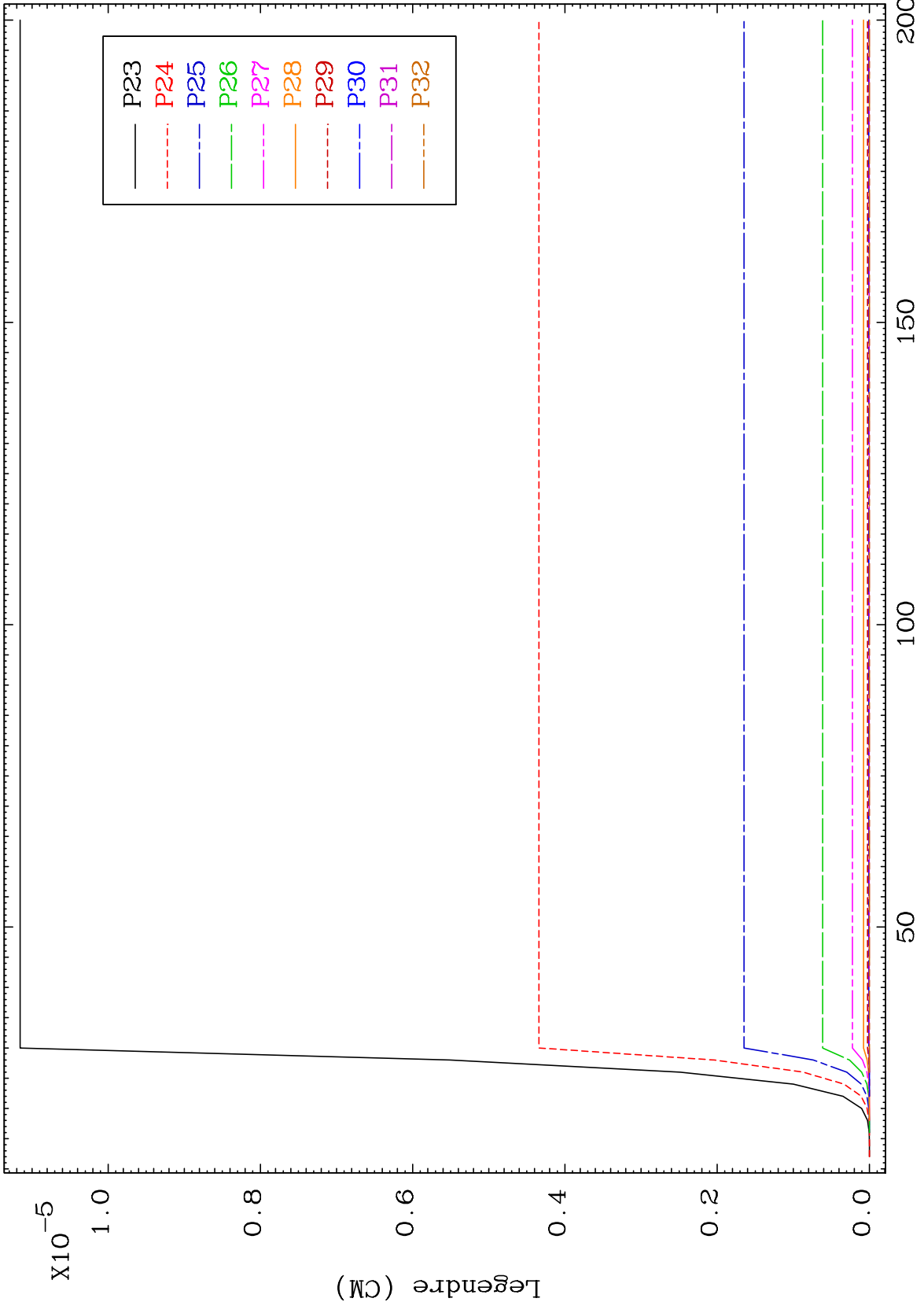


75 Incident Energy (MeV) 30-Zn-69

MAT 3040 MT= 69 (n,n') Level Legendre Coefficients 30-Zn-69

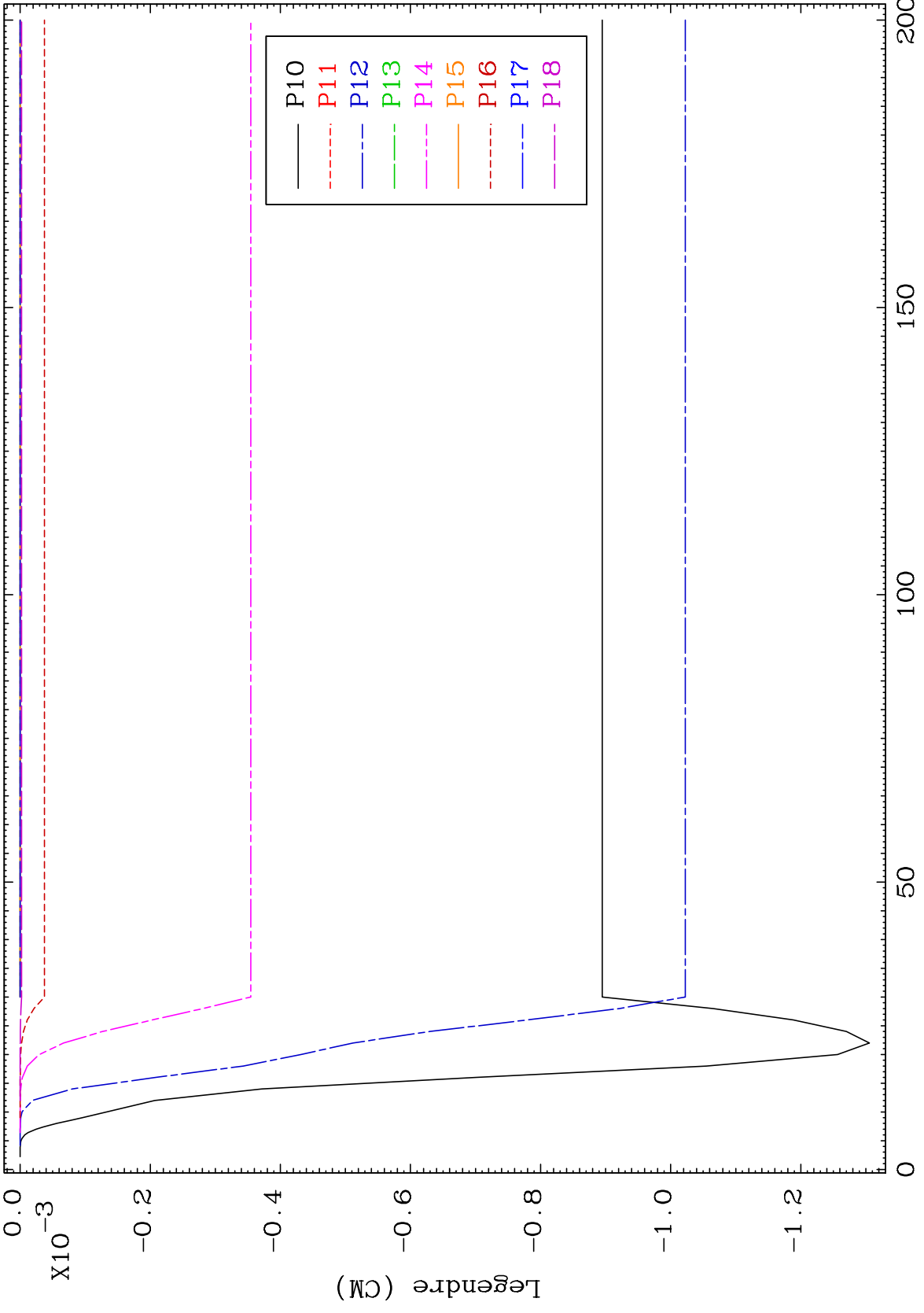


MAT 3040 MT= 69 (n,n') Level Legendre Coefficients 30-Zn-69





MAT 3040 MT= 70 (n,n') Level Legendre Coefficients 30-Zn-69

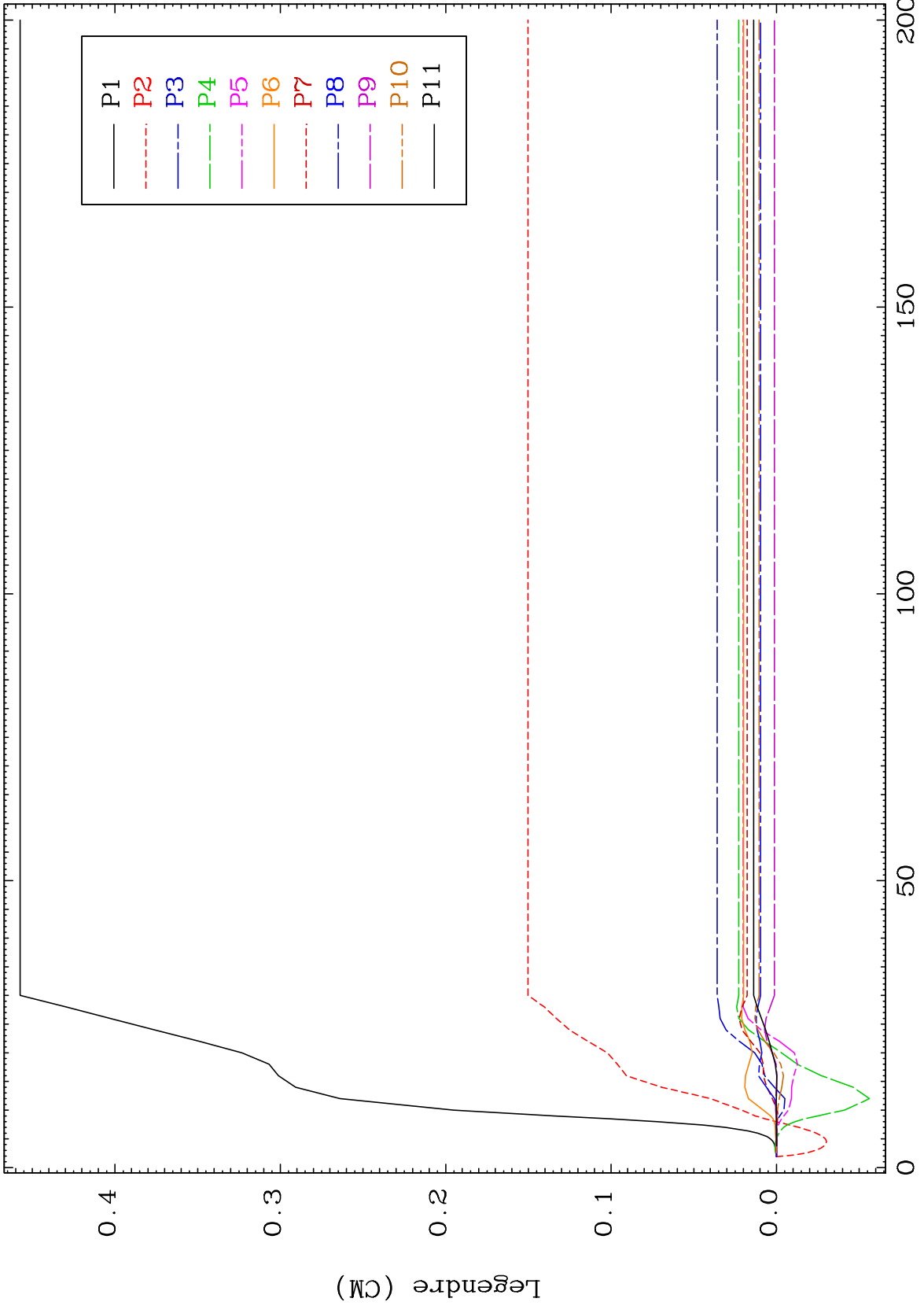


79 Incident Energy (MeV) 30-Zn-69





MAT 3040 MT= 71 (n,n') Level Legendre Coefficients 30-Zn-69

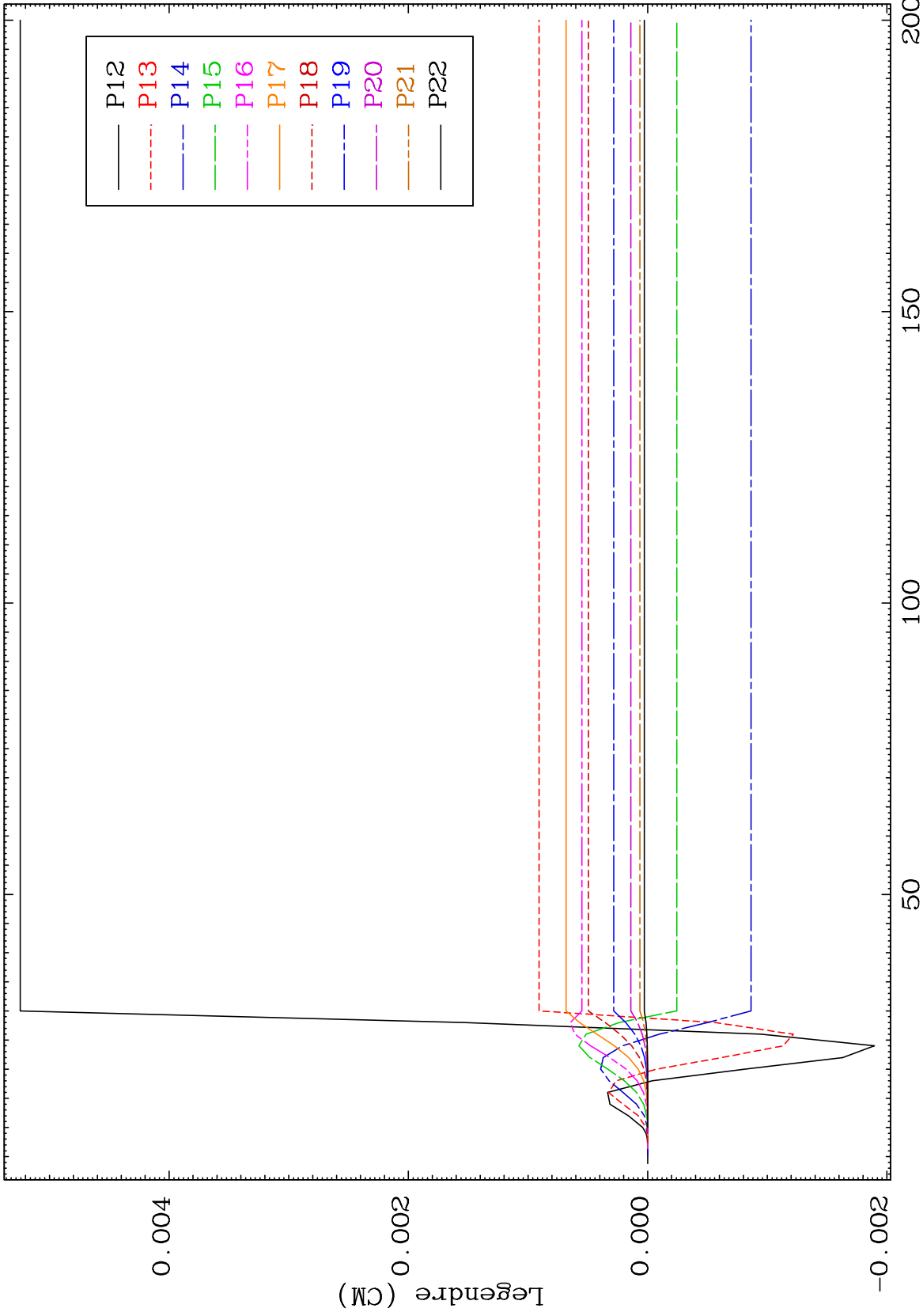


81 30-Zn-69

MAT 3040

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

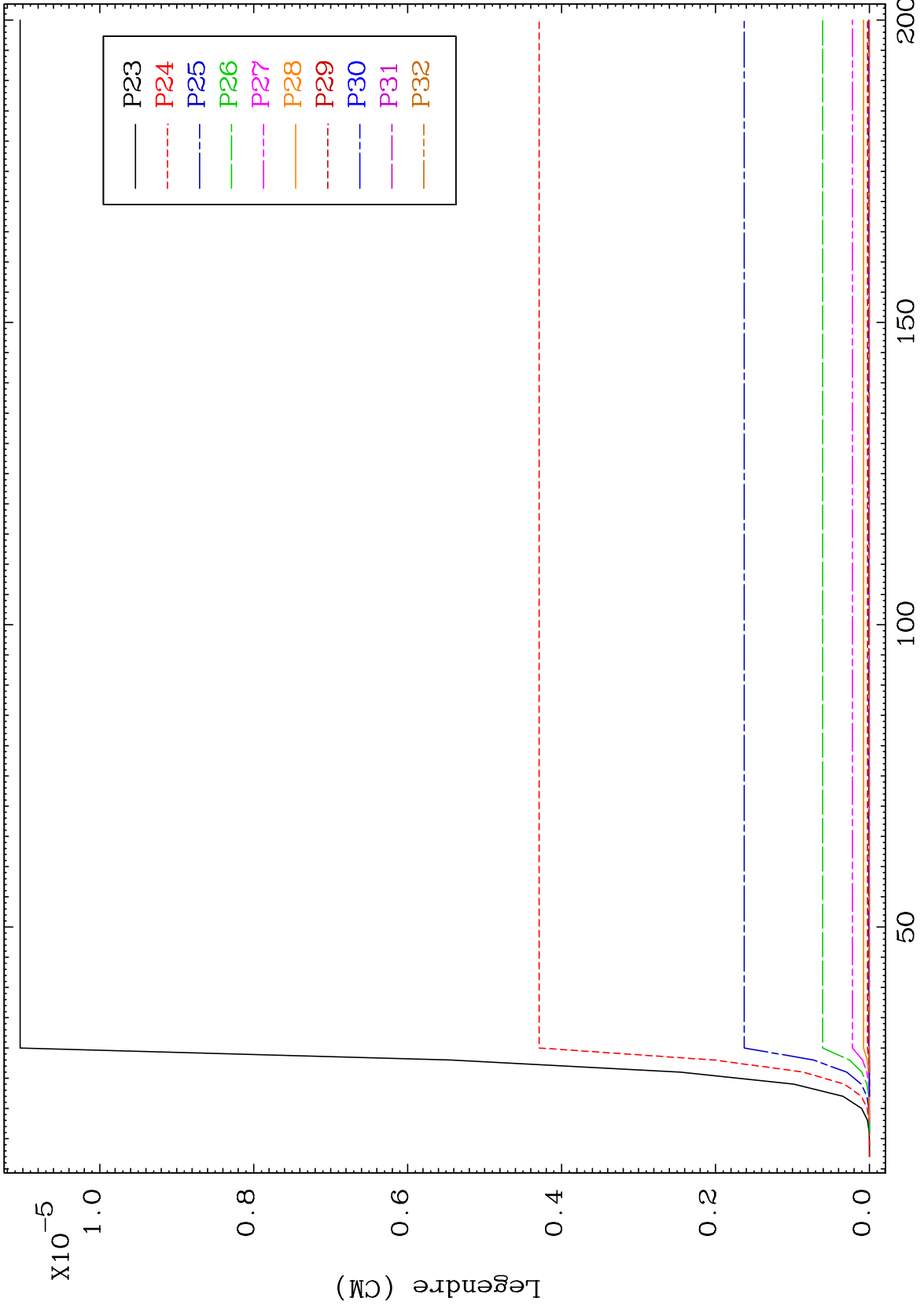
30-Zn-69



82

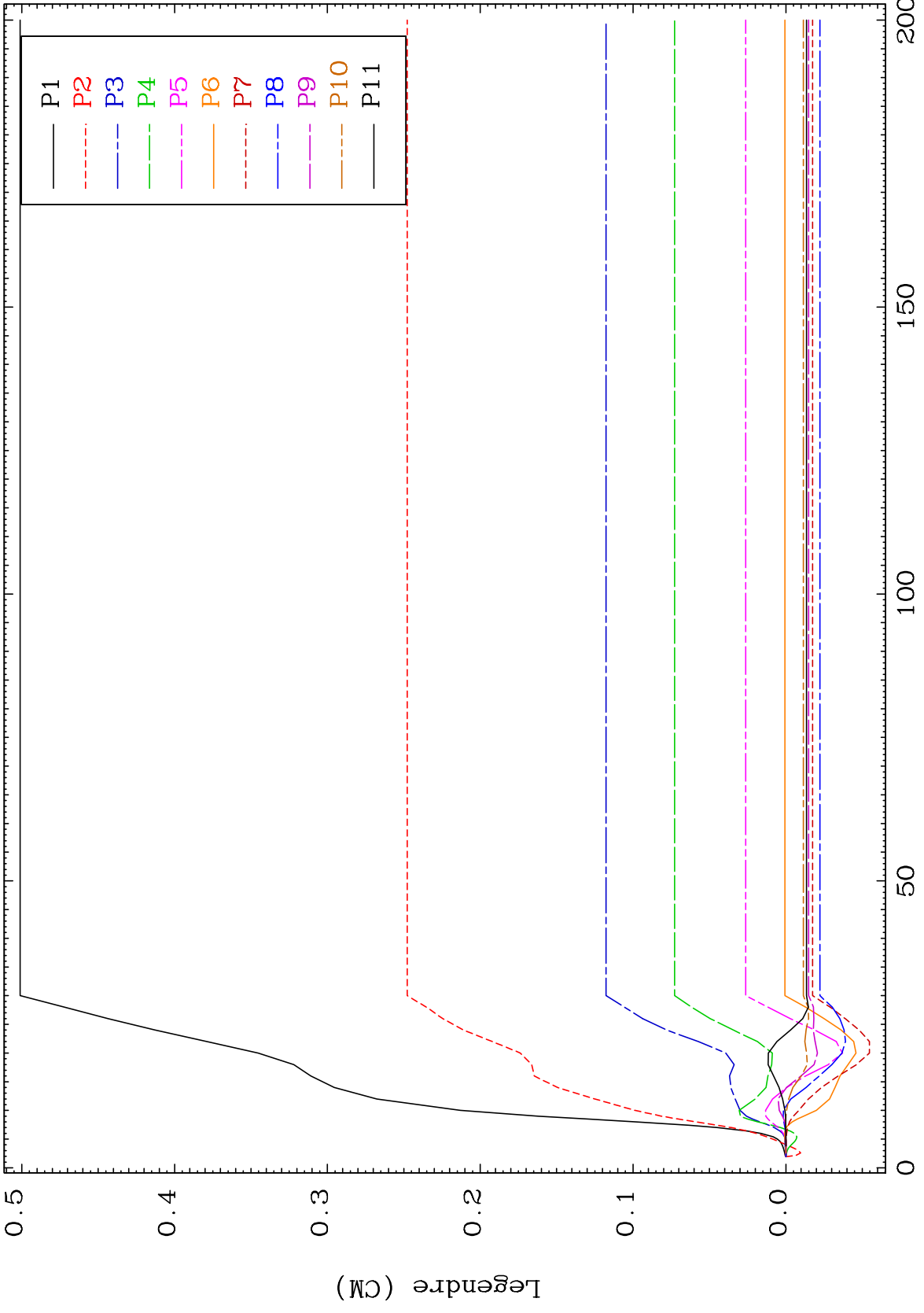
Incident Energy (MeV)

30-Zn-69



MAT 3040 MT= 72 (n,n') Level Legendre Coefficients

30-Zn-69

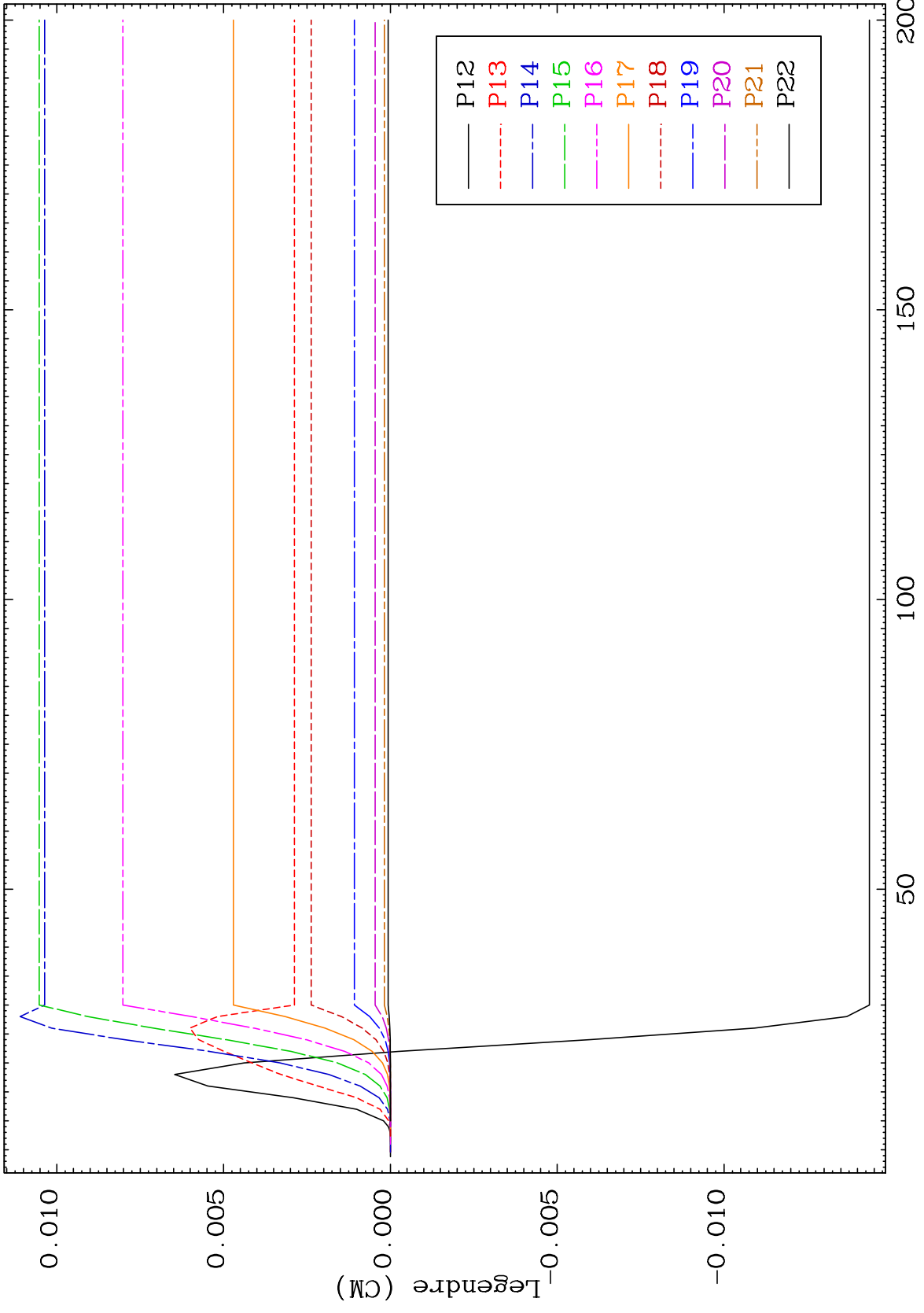


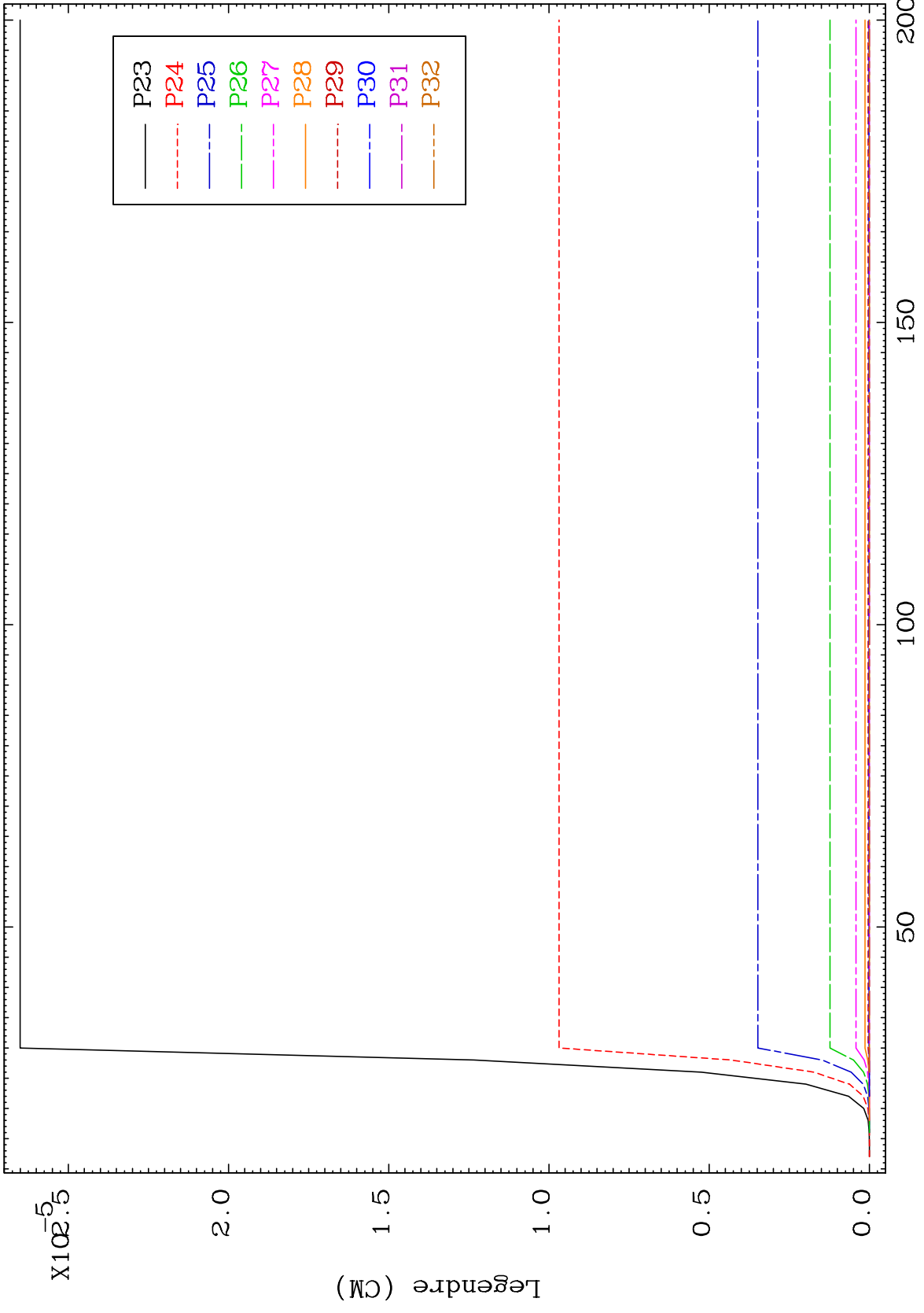
30-Zn-69

Incident Energy (MeV)

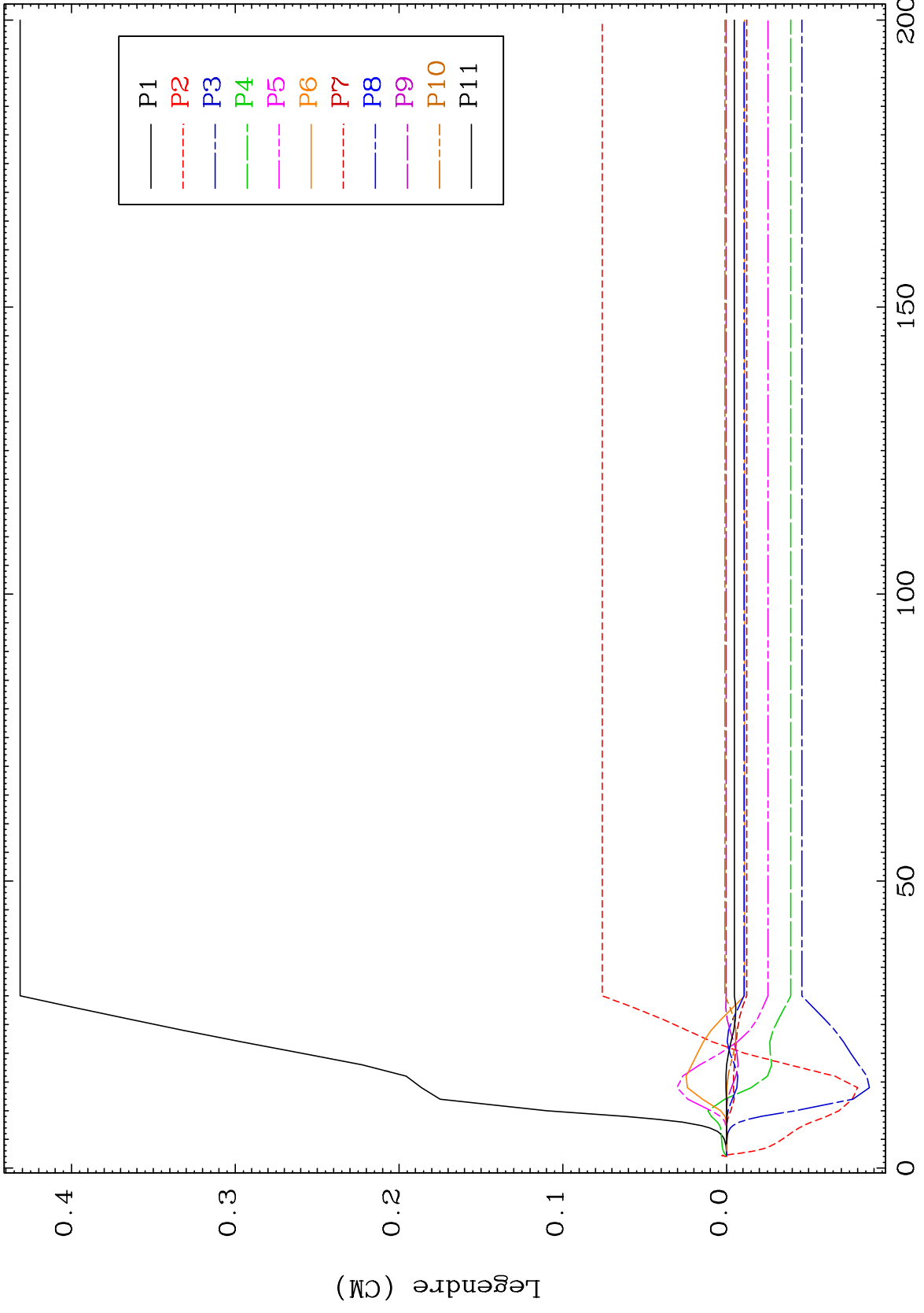
84

MAT 3040 MT= 72 (n,n') Level Legendre Coefficients 30-Zn-69





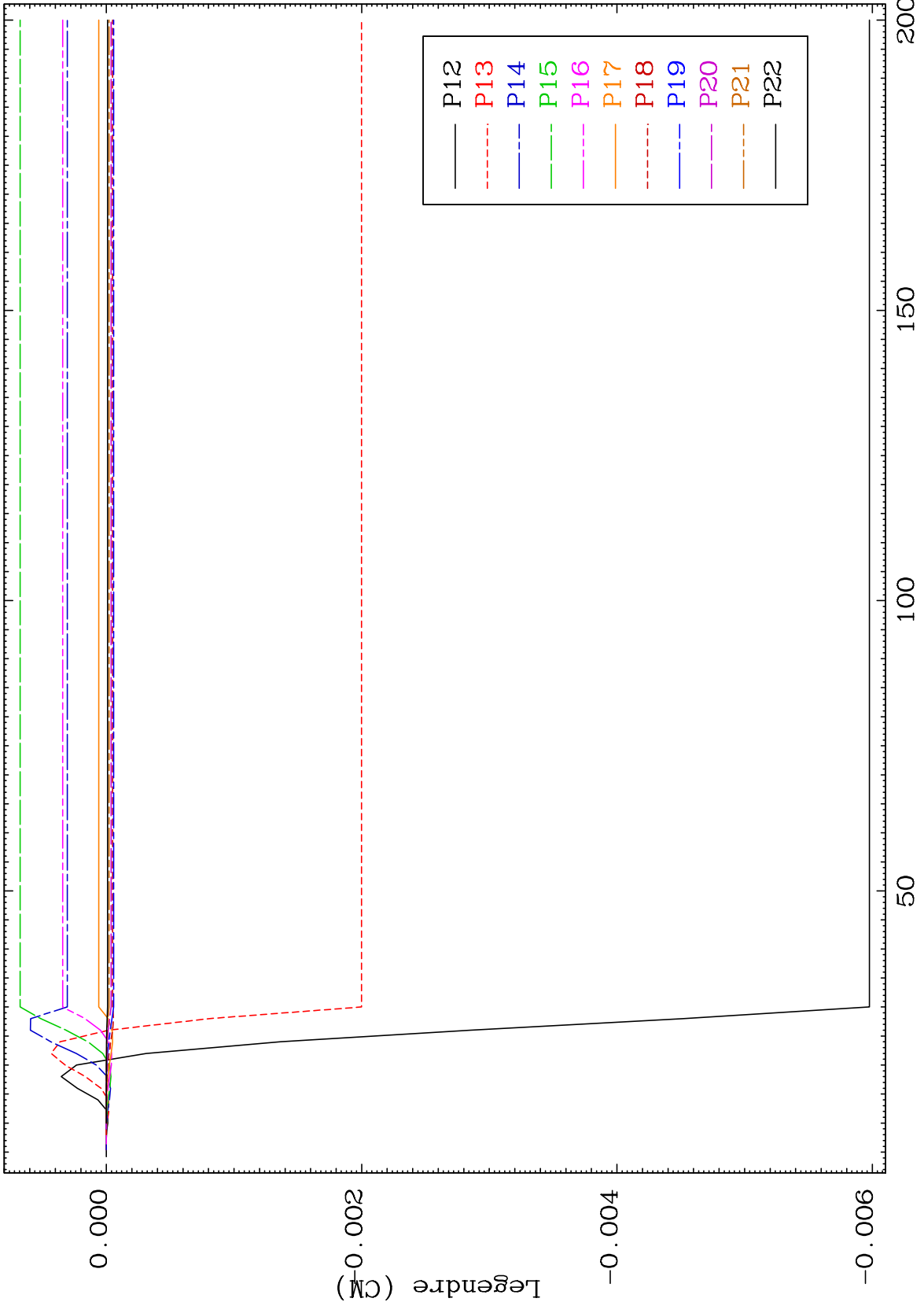
MAT 3040 MT= 73 (n,n') Level Legendre Coefficients 30-Zn-69



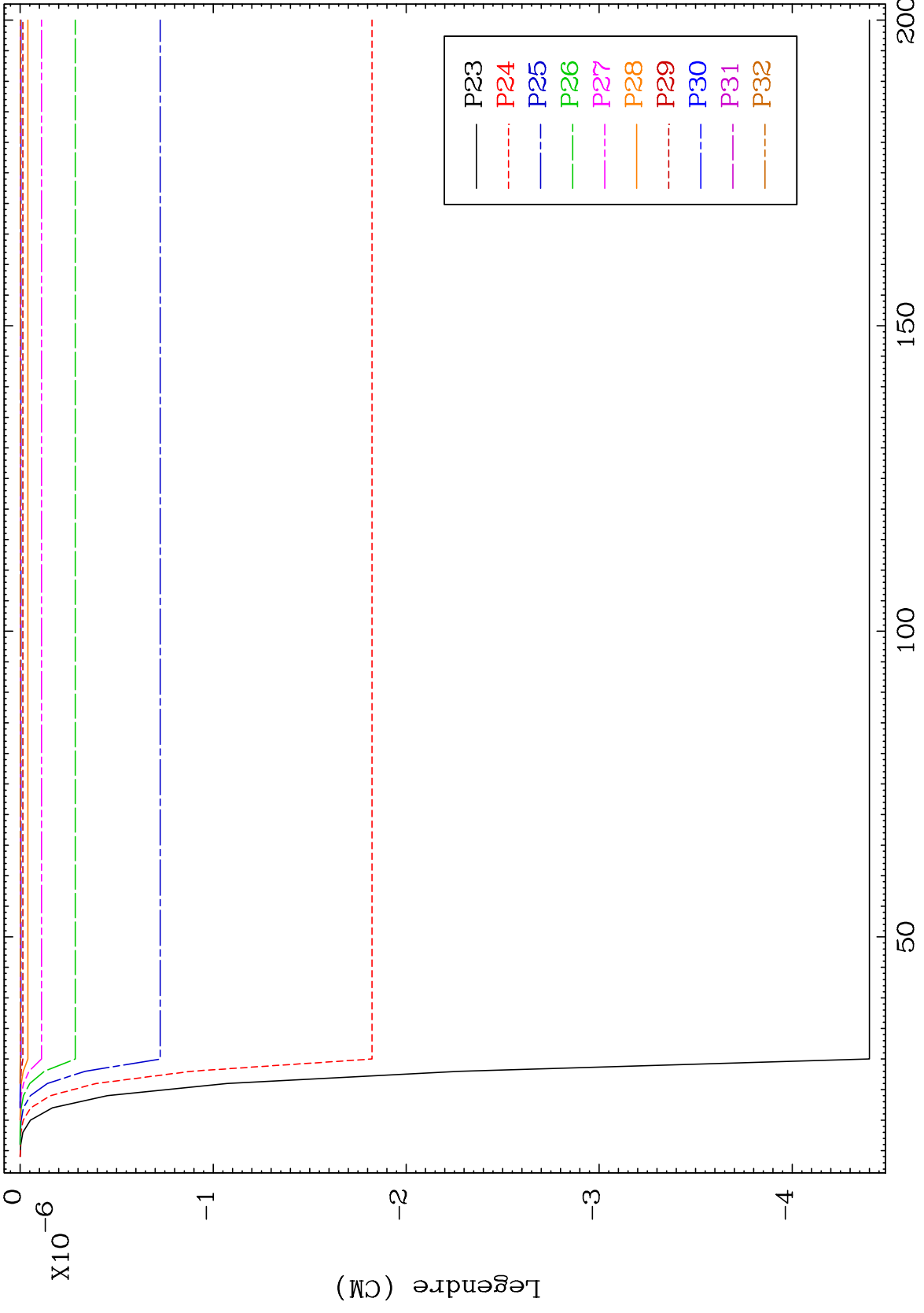
87 30-Zn-69

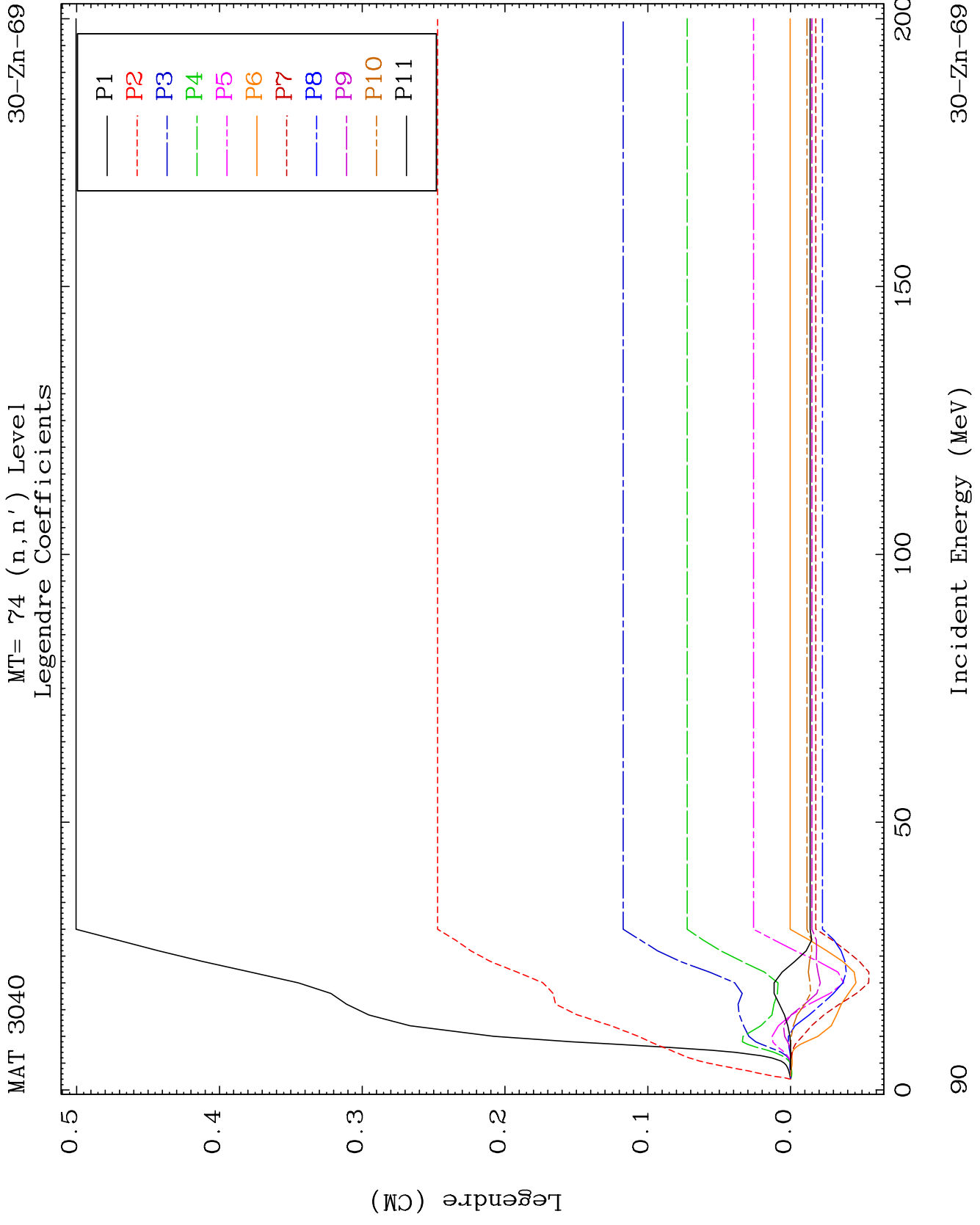


MAT 3040 MT= 73 (n,n') Level Legendre Coefficients 30-Zn-69

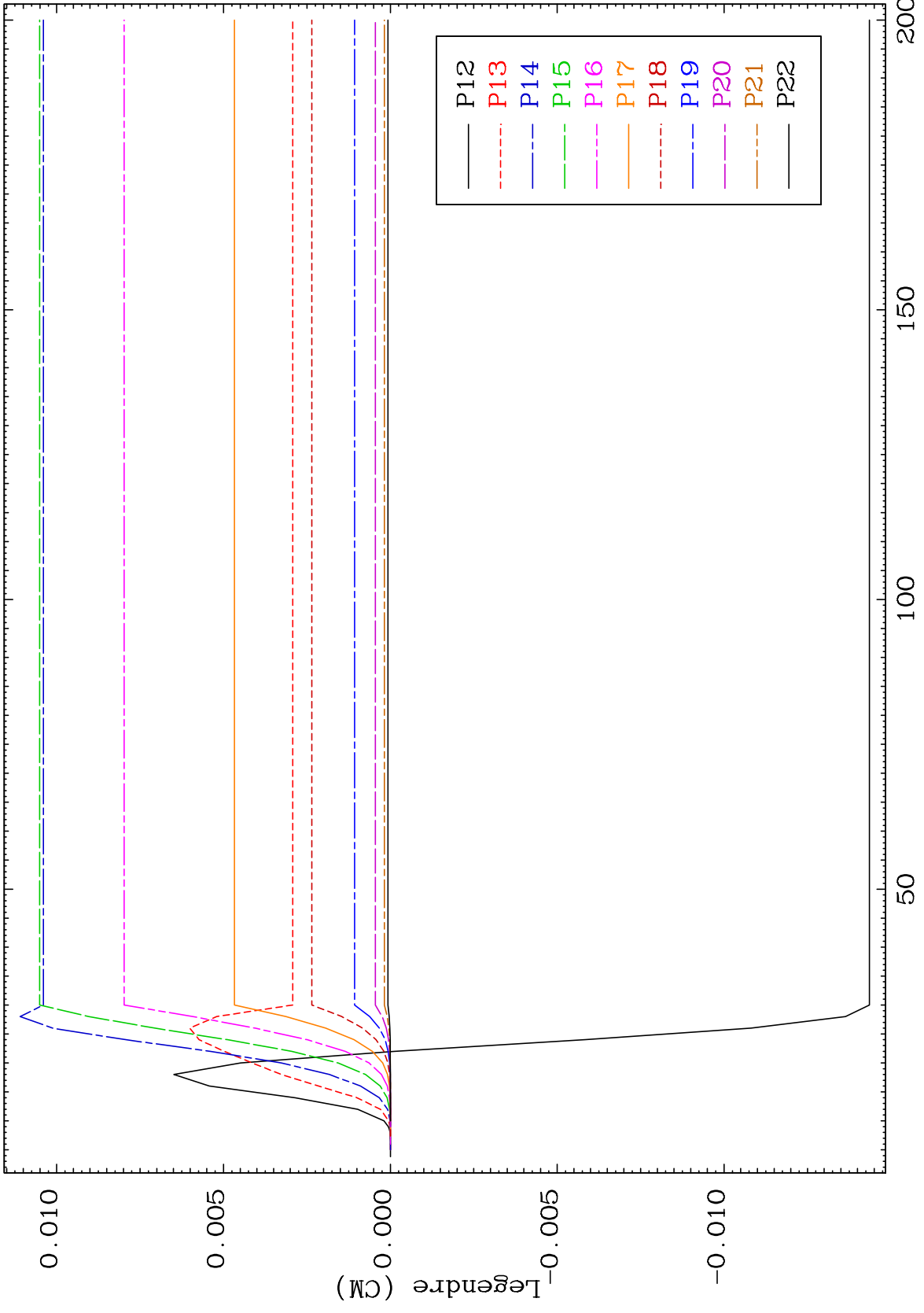


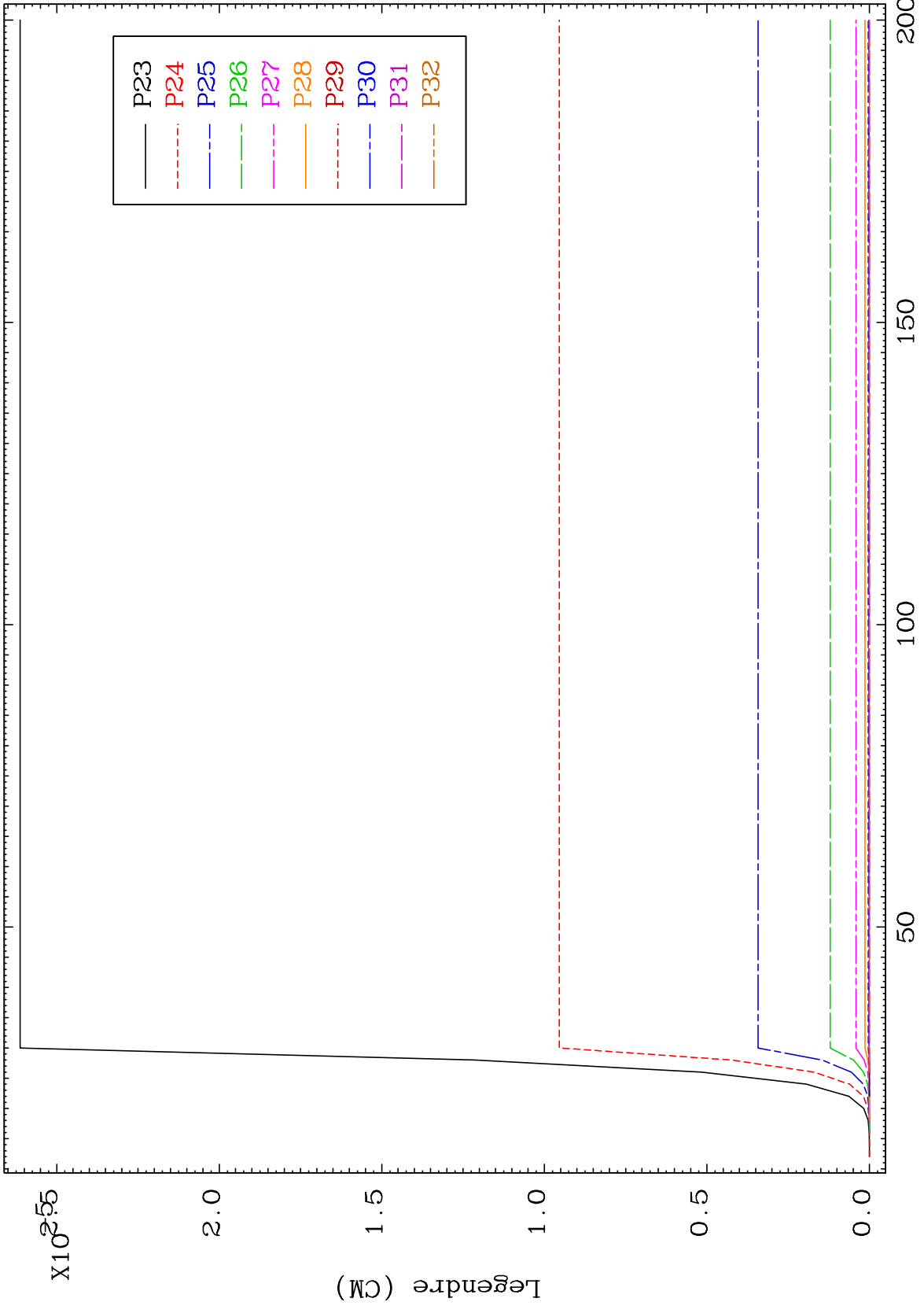
MAT 3040 MT= 73 (n,n') Level Legendre Coefficients 30-Zn-69



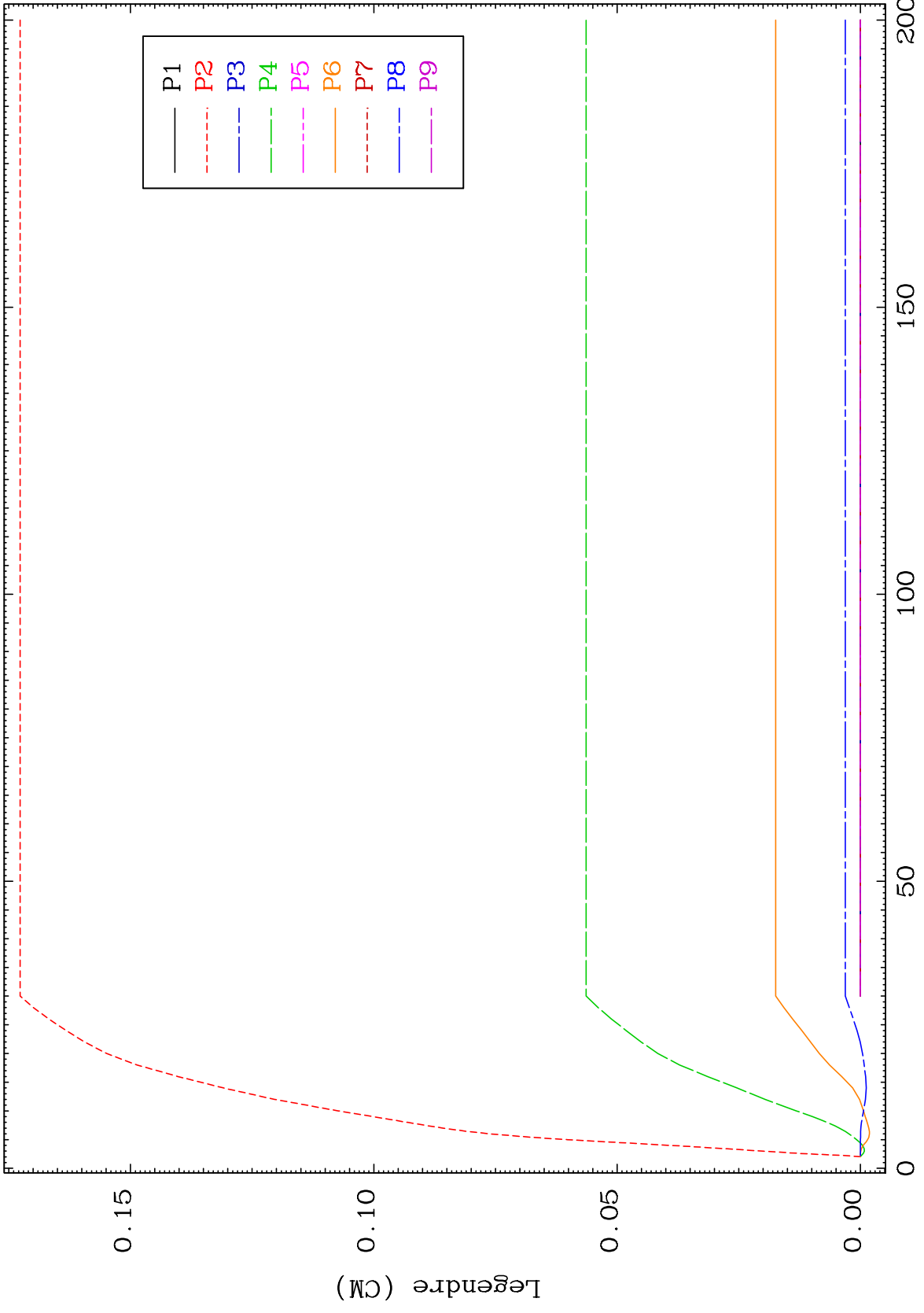


MAT 3040 MT= 74 (n,n') Level Legendre Coefficients 30-Zn-69





MAT 3040 MT= 75 (n,n') Level Legendre Coefficients 30-Zn-69

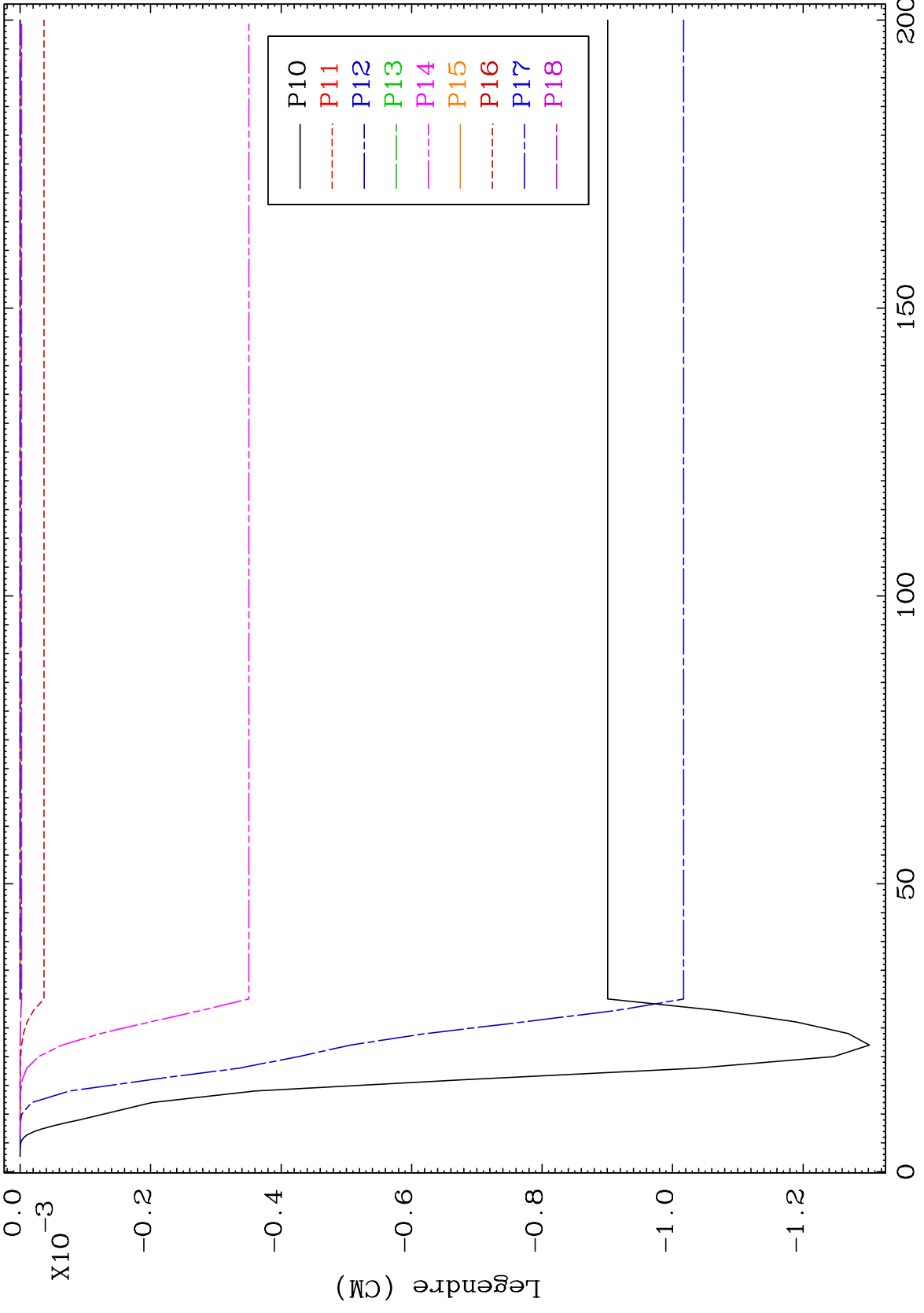


93

Incident Energy (MeV)

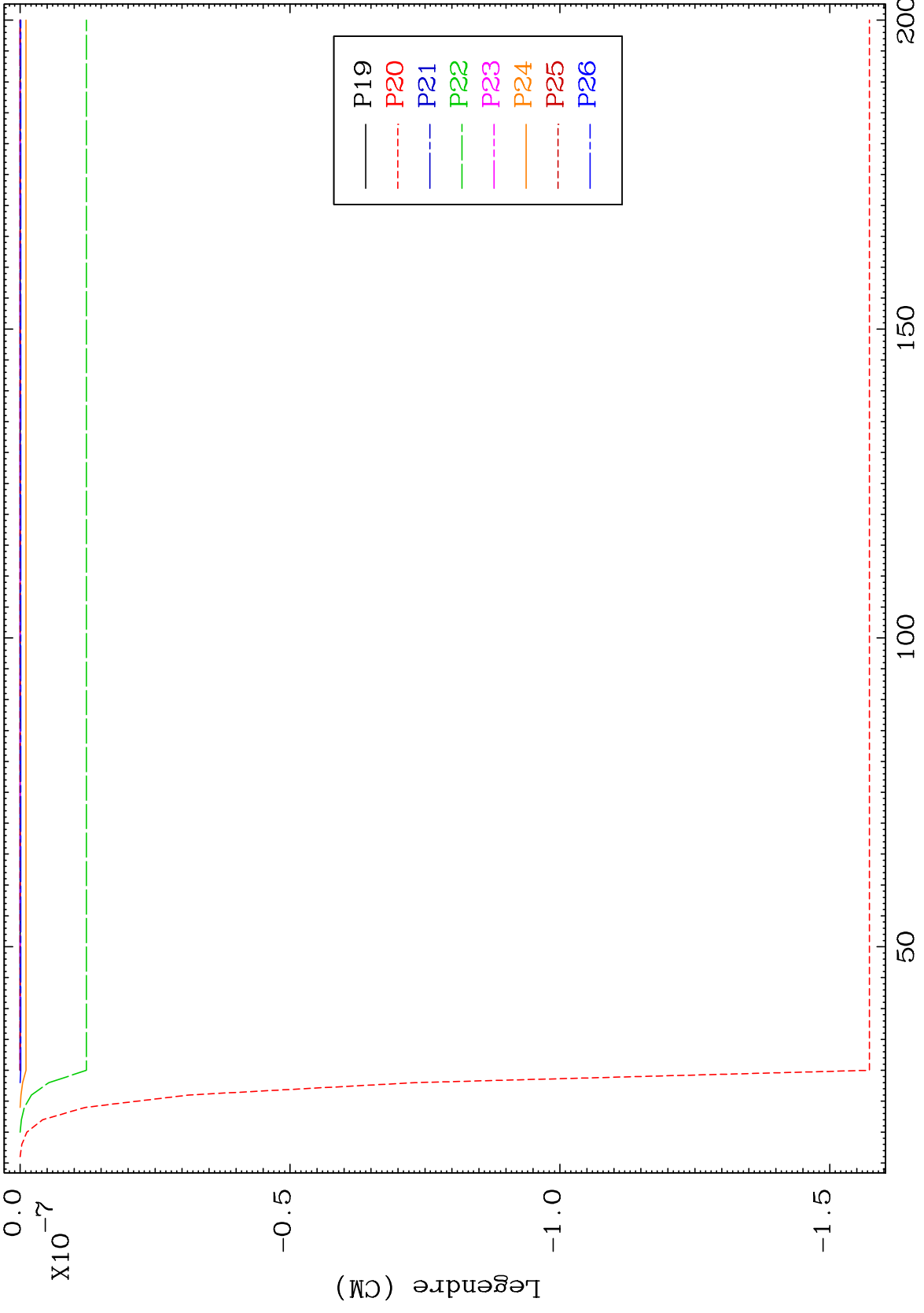
30-Zn-69

MAT 3040 MT= 75 (n,n') Level Legendre Coefficients 30-Zn-69



94 Incident Energy (MeV) 30-Zn-69

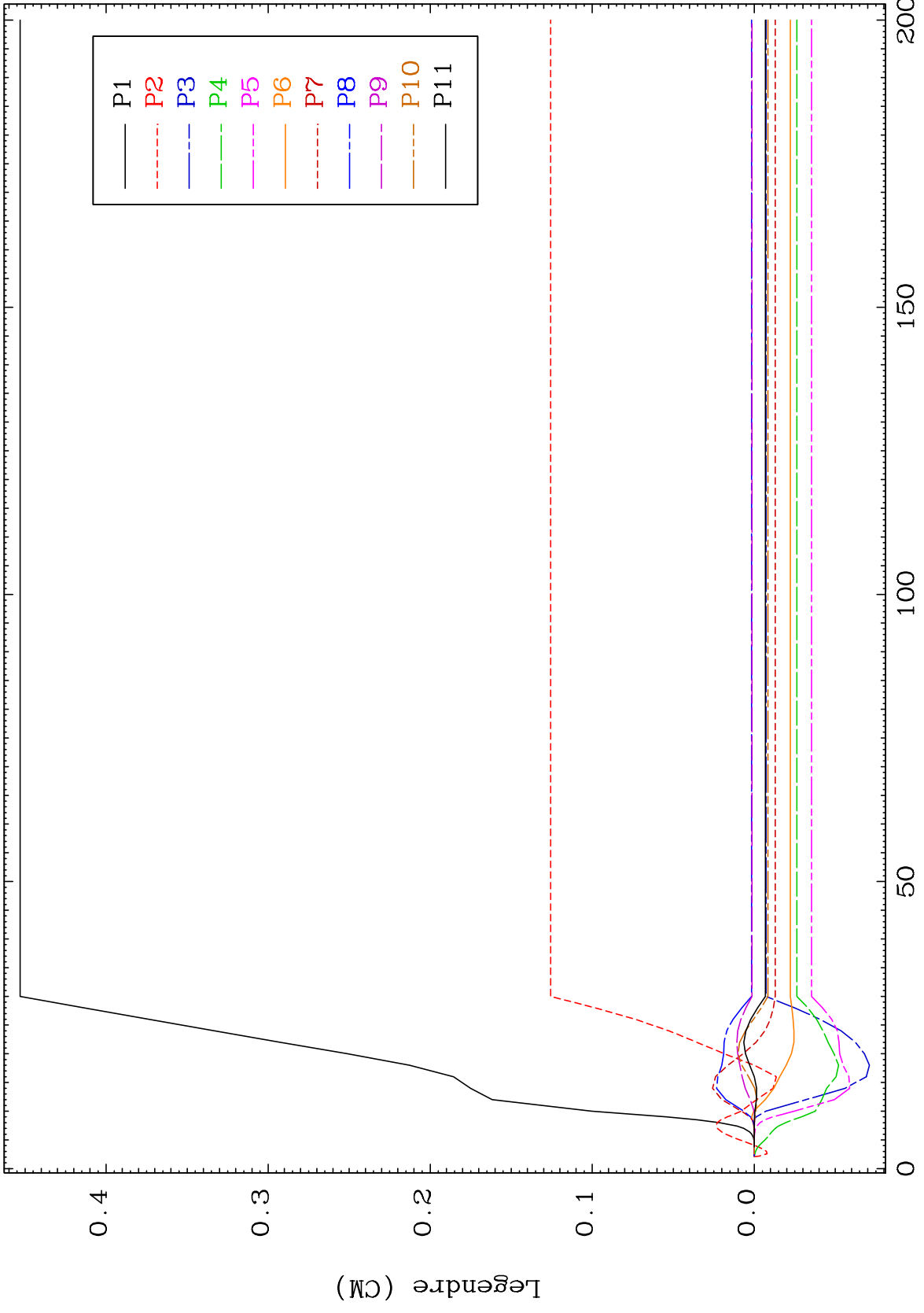
MAT 3040 MT= 75 (n,n') Level Legendre Coefficients 30-Zn-69



95 Incident Energy (MeV) 30-Zn-69



MAT 3040 MT= 76 (n,n') Level Legendre Coefficients 30-Zn-69

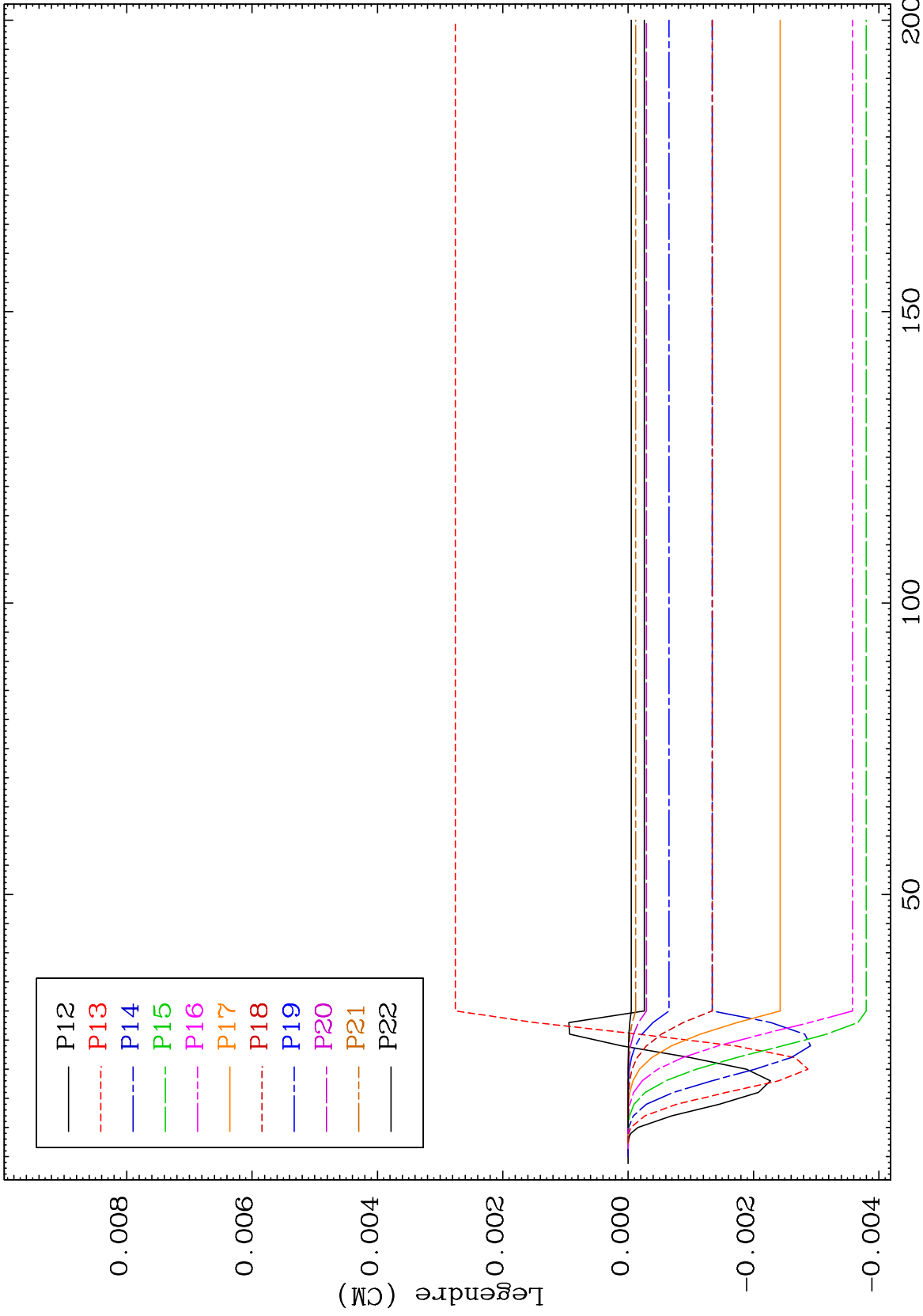


96 Incident Energy (MeV) 30-Zn-69

MAT 3040

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

30-Zn-69

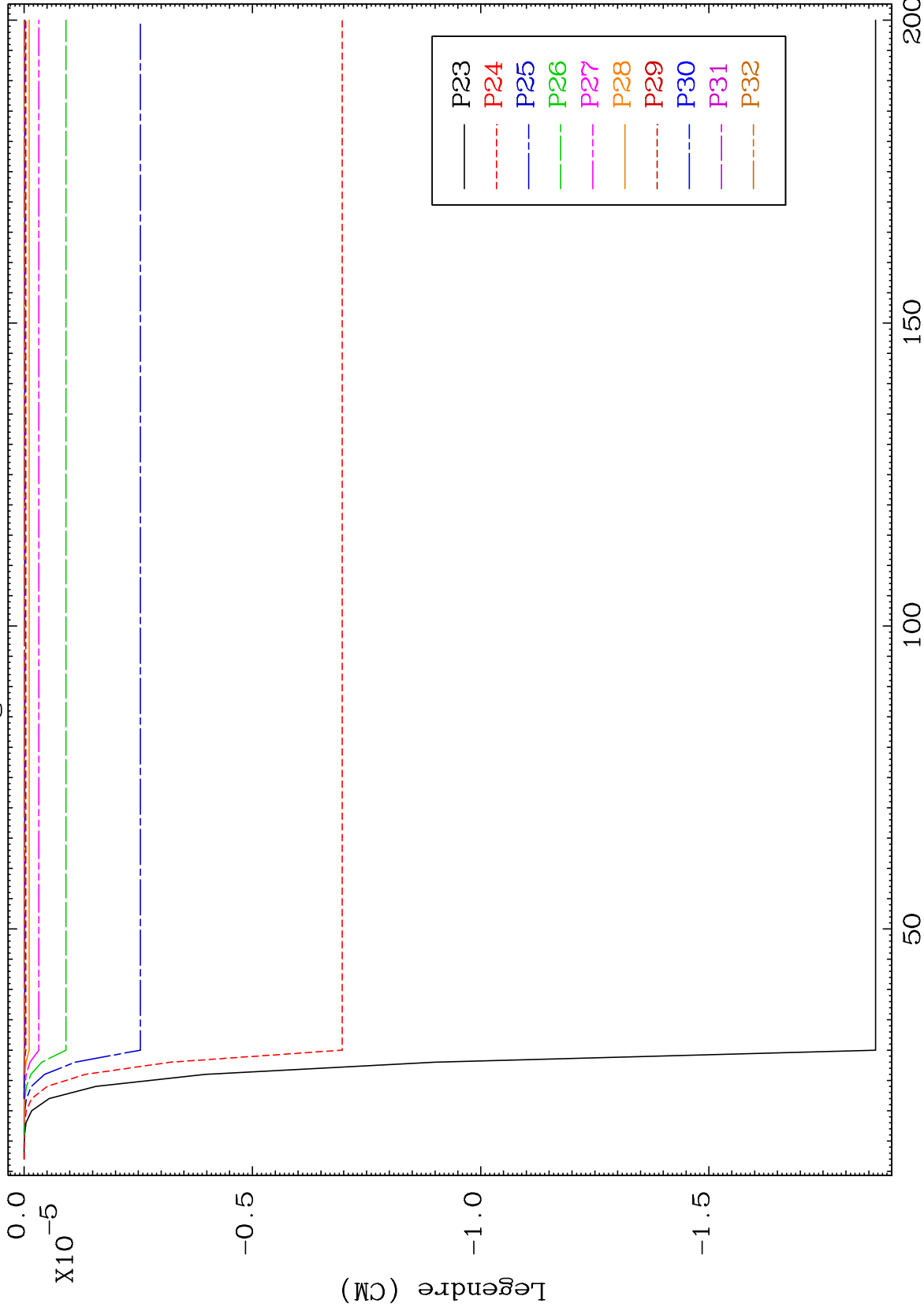


97

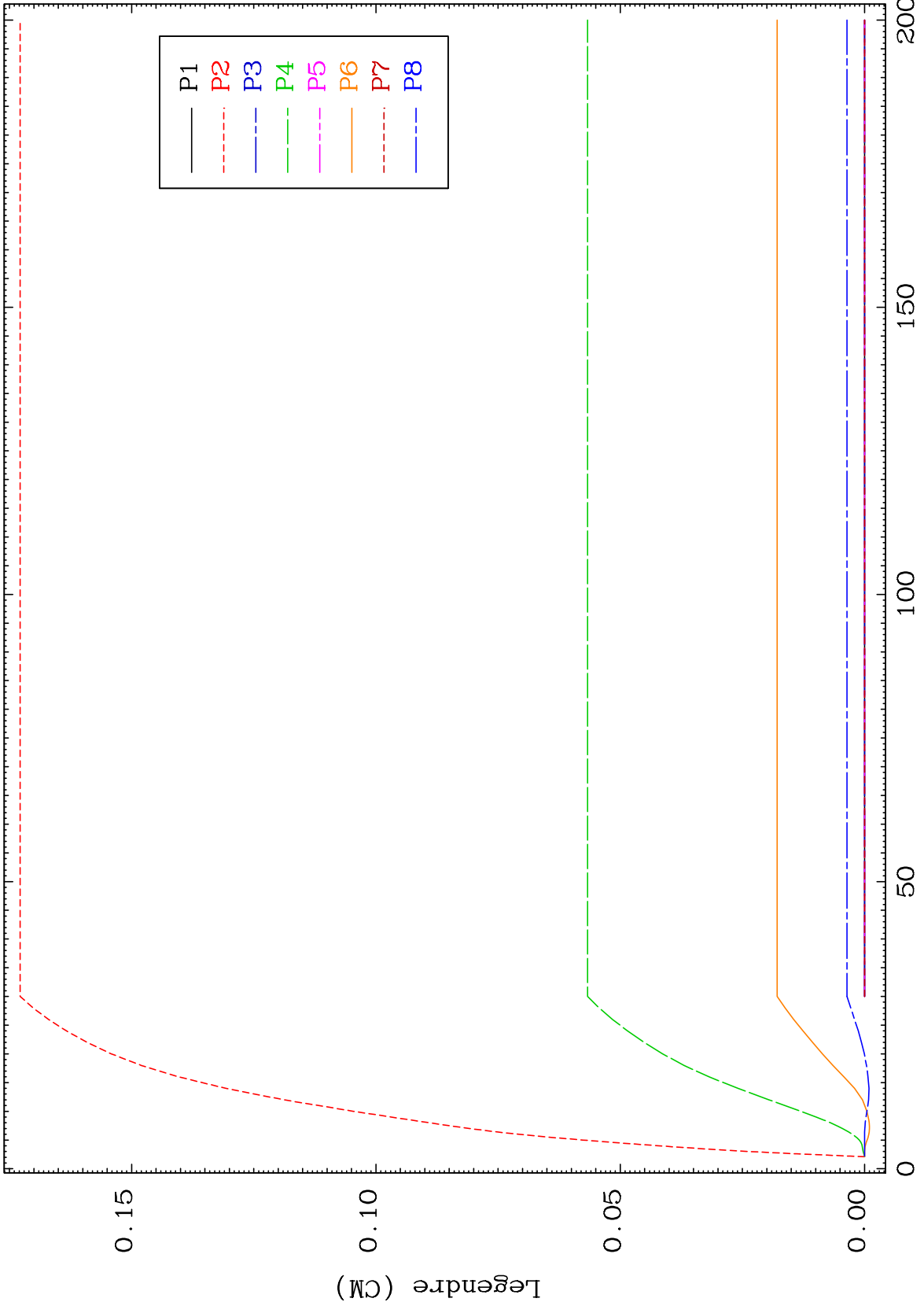
Incident Energy (MeV)

30-Zn-69

Legendre Coefficients



MAT 3040 MT= 77 (n,n') Level Legendre Coefficients 30-Zn-69

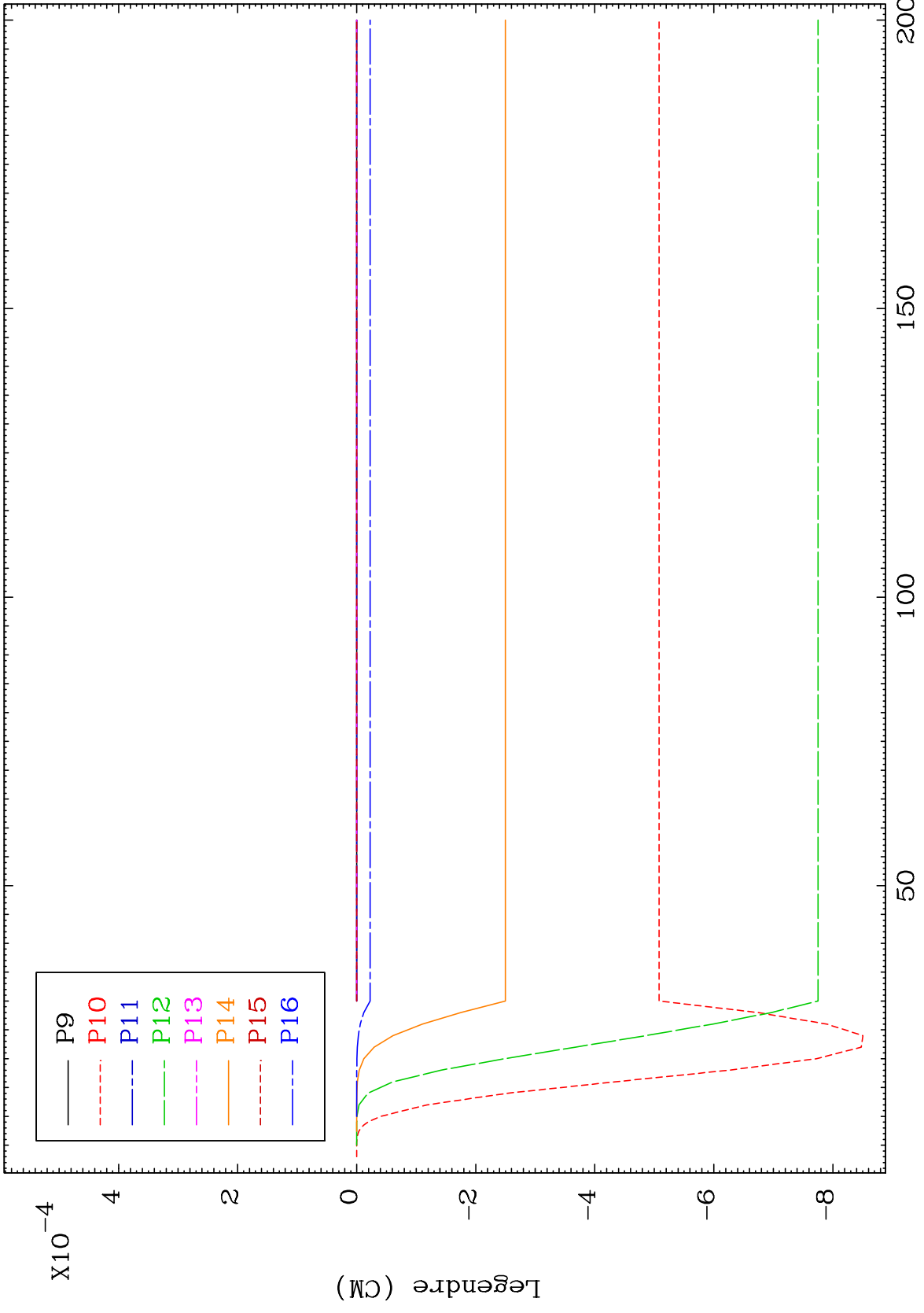


99 Incident Energy (MeV) 30-Zn-69

MAT 3040

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

30-Zn-69



100

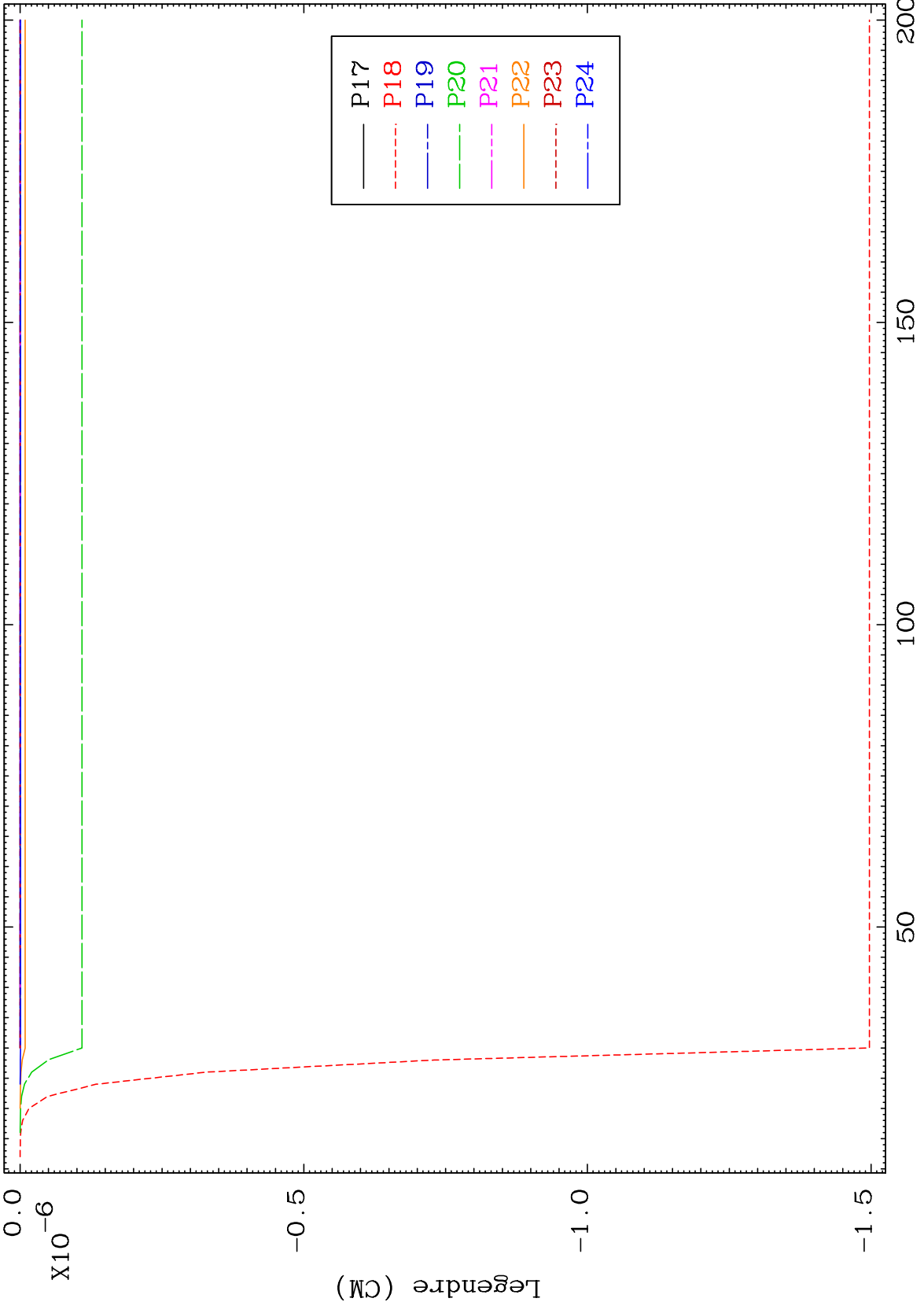
50

100

Incident Energy (MeV)

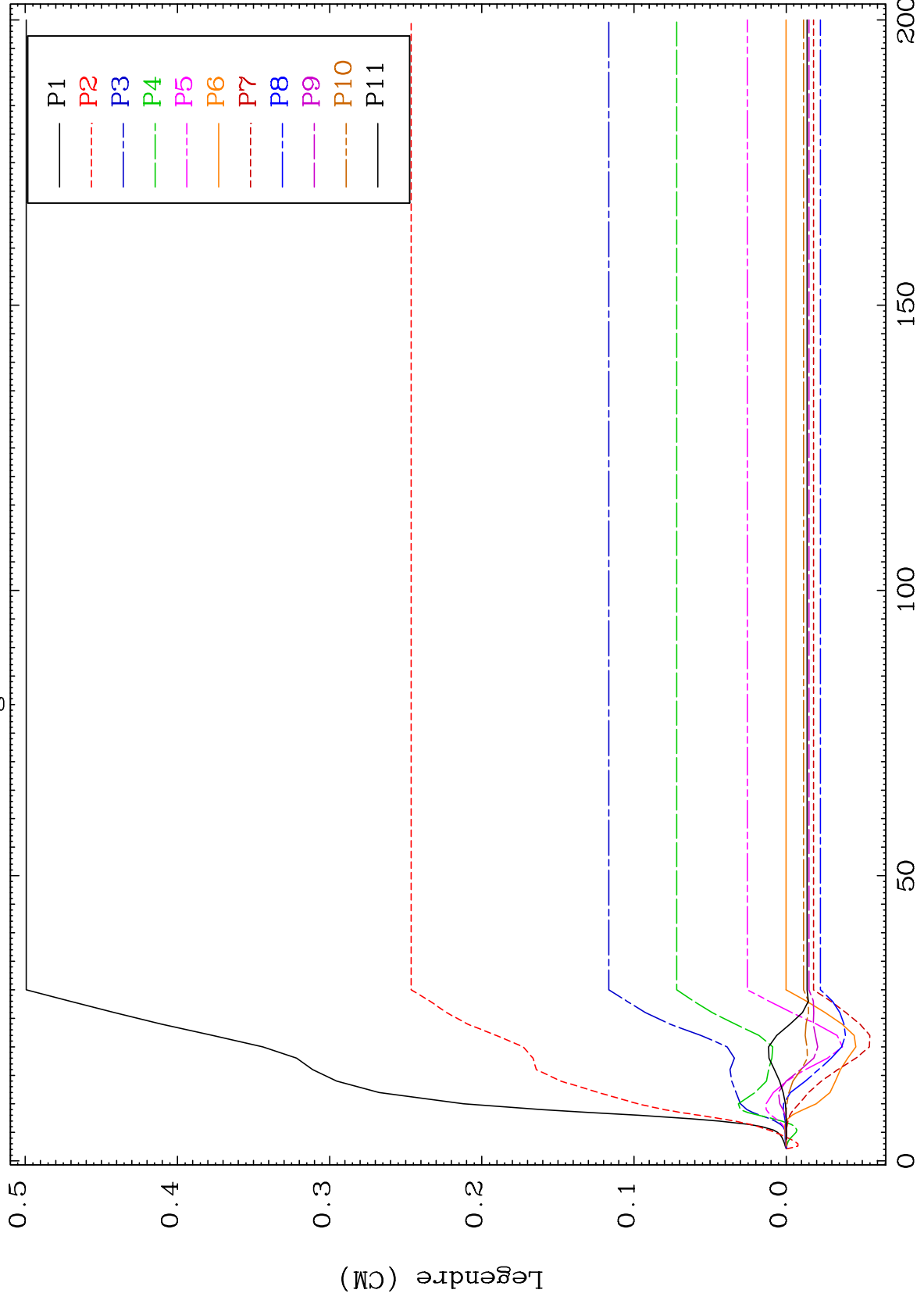
30-Zn-69

MAT 3040 MT= 77 (n,n') Level Legendre Coefficients 30-Zn-69



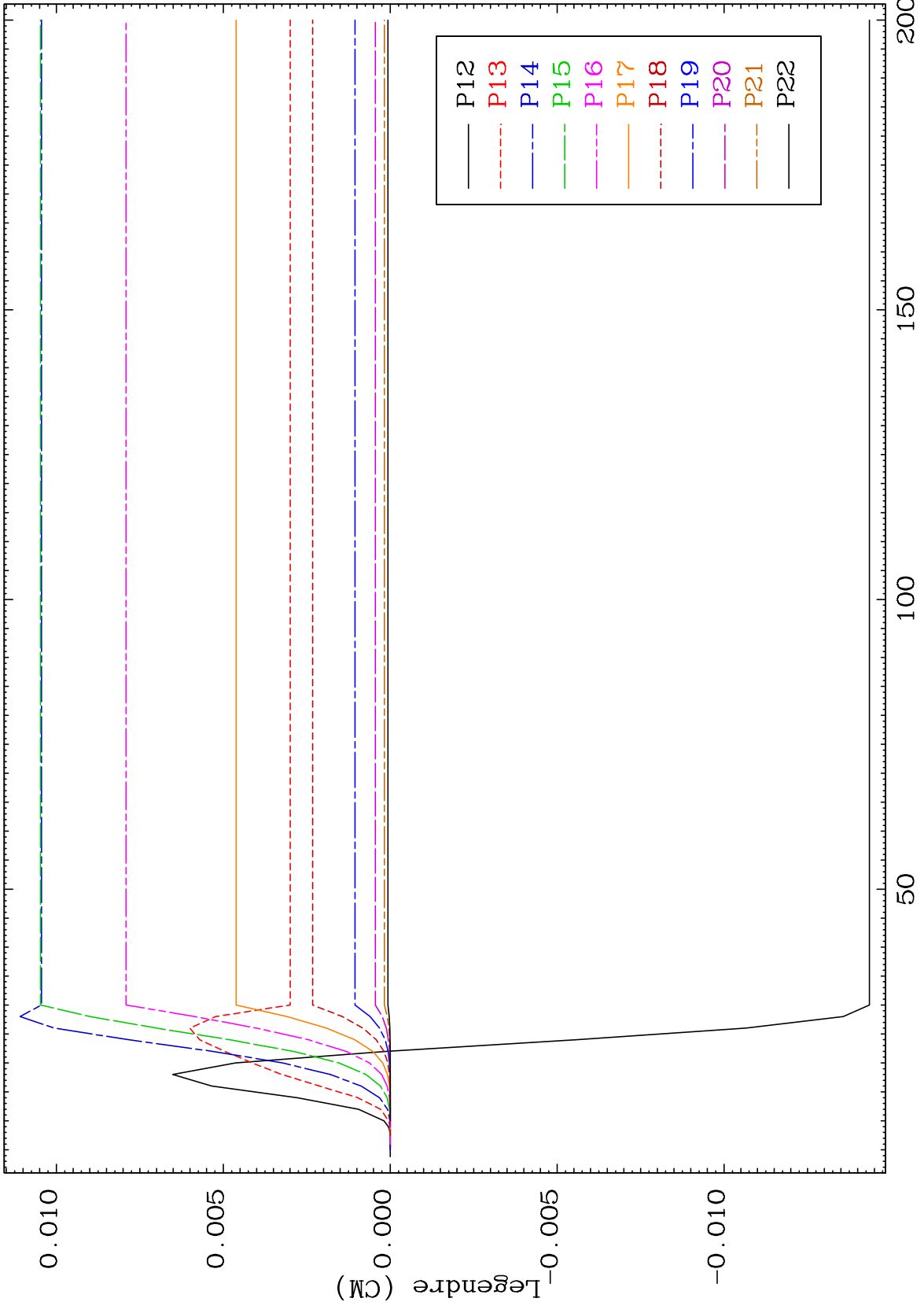
101 Incident Energy (MeV) 30-Zn-69

MAT 3040 MT= 78 (n,n') Level Legendre Coefficients 30-Zn-69



Legendre (CM) Incident Energy (MeV) 30-Zn-69

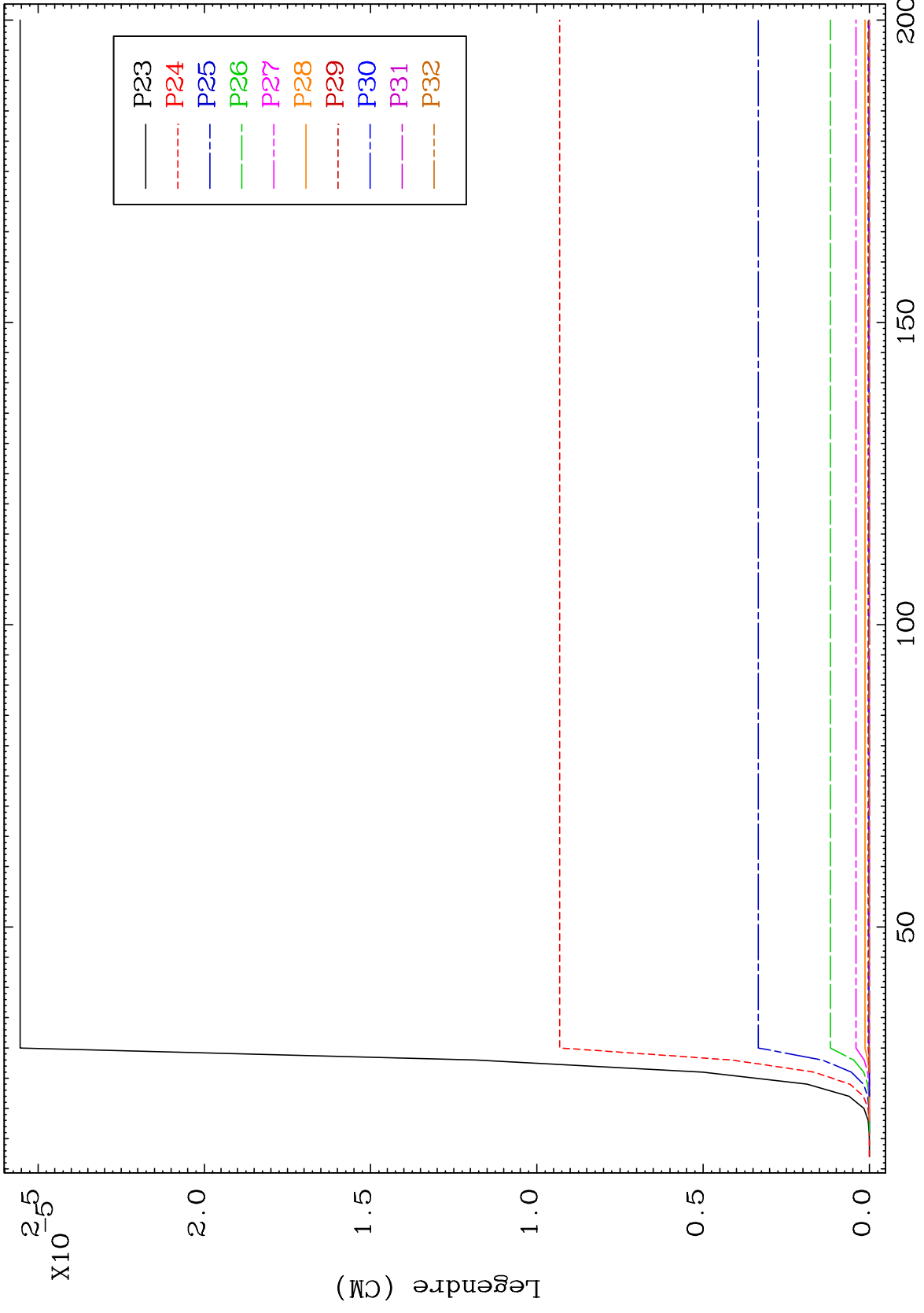
MAT 3040 MT= 78 (n,n') Level Legendre Coefficients 30-Zn-69



103 30-Zn-69

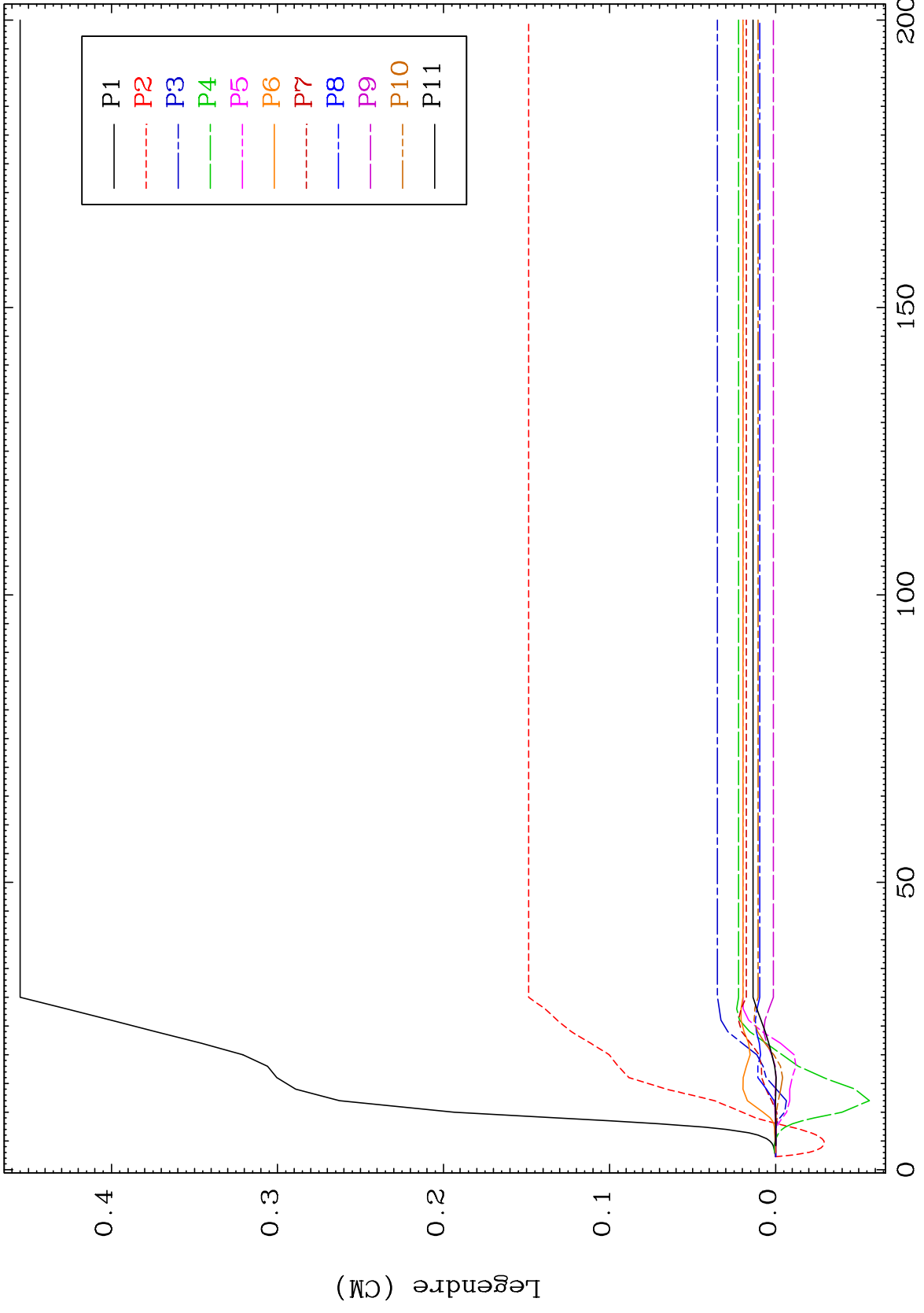


MAT 3040 MT= 78 (n,n') Level Legendre Coefficients 30-Zn-69



104 Incident Energy (MeV) 30-Zn-69

MAT 3040 MT= 79 (n,n') Level Legendre Coefficients 30-Zn-69

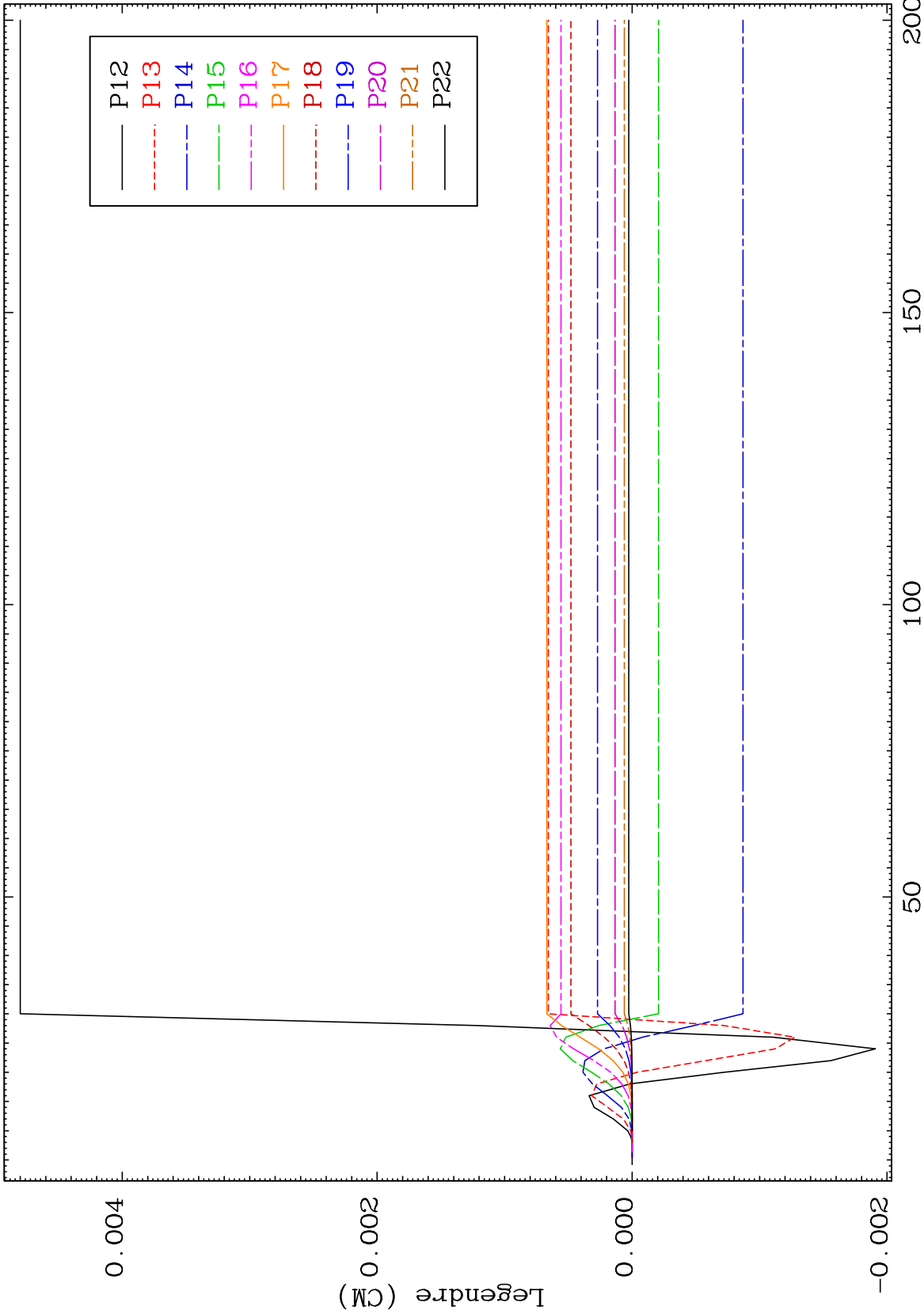


Legendre (CM) Incident Energy (MeV) 30-Zn-69

MAT 3040

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

30-Zn-69



106

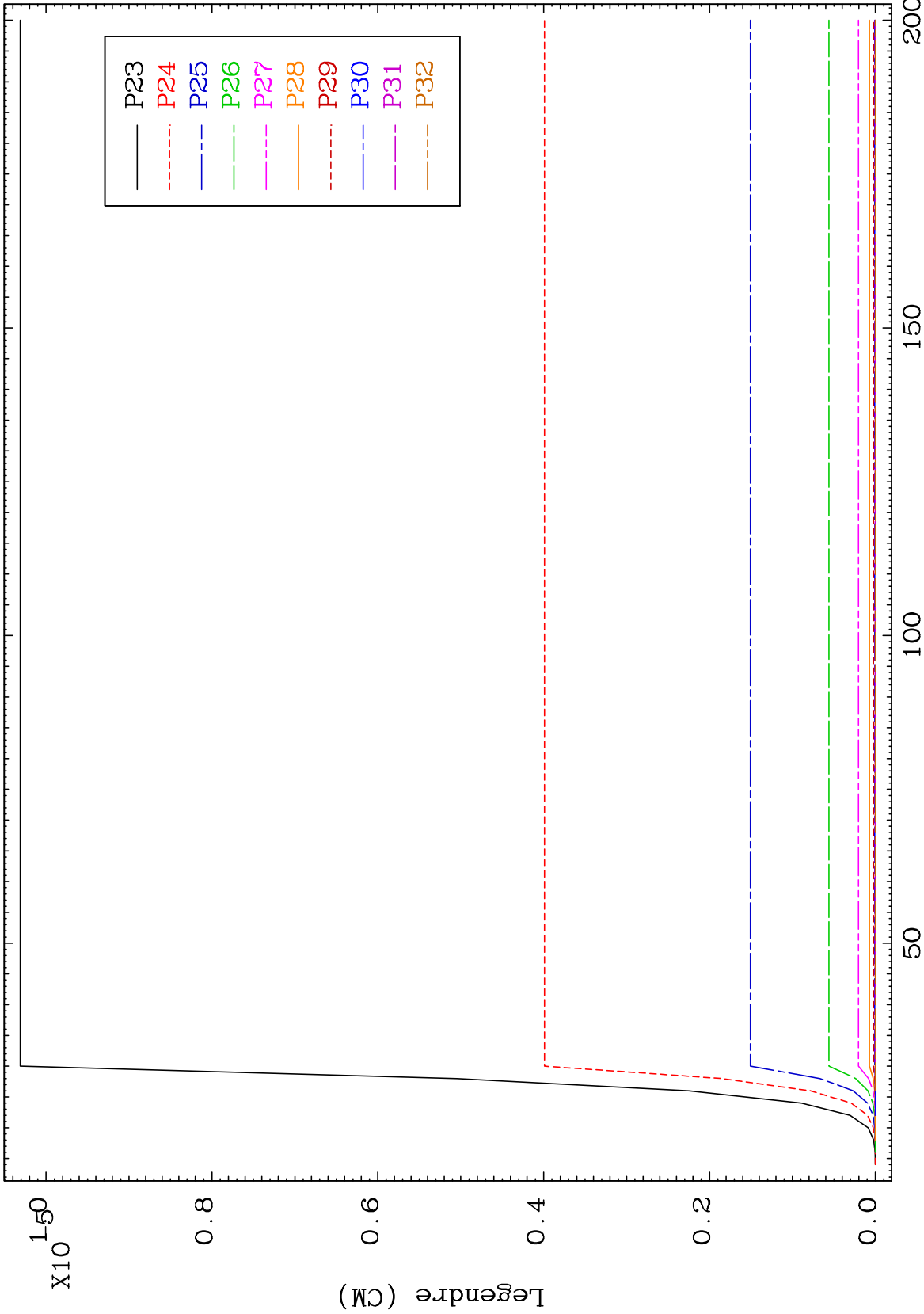
Incident Energy (MeV)

30-Zn-69

MAT 3040

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

30-Zn-69



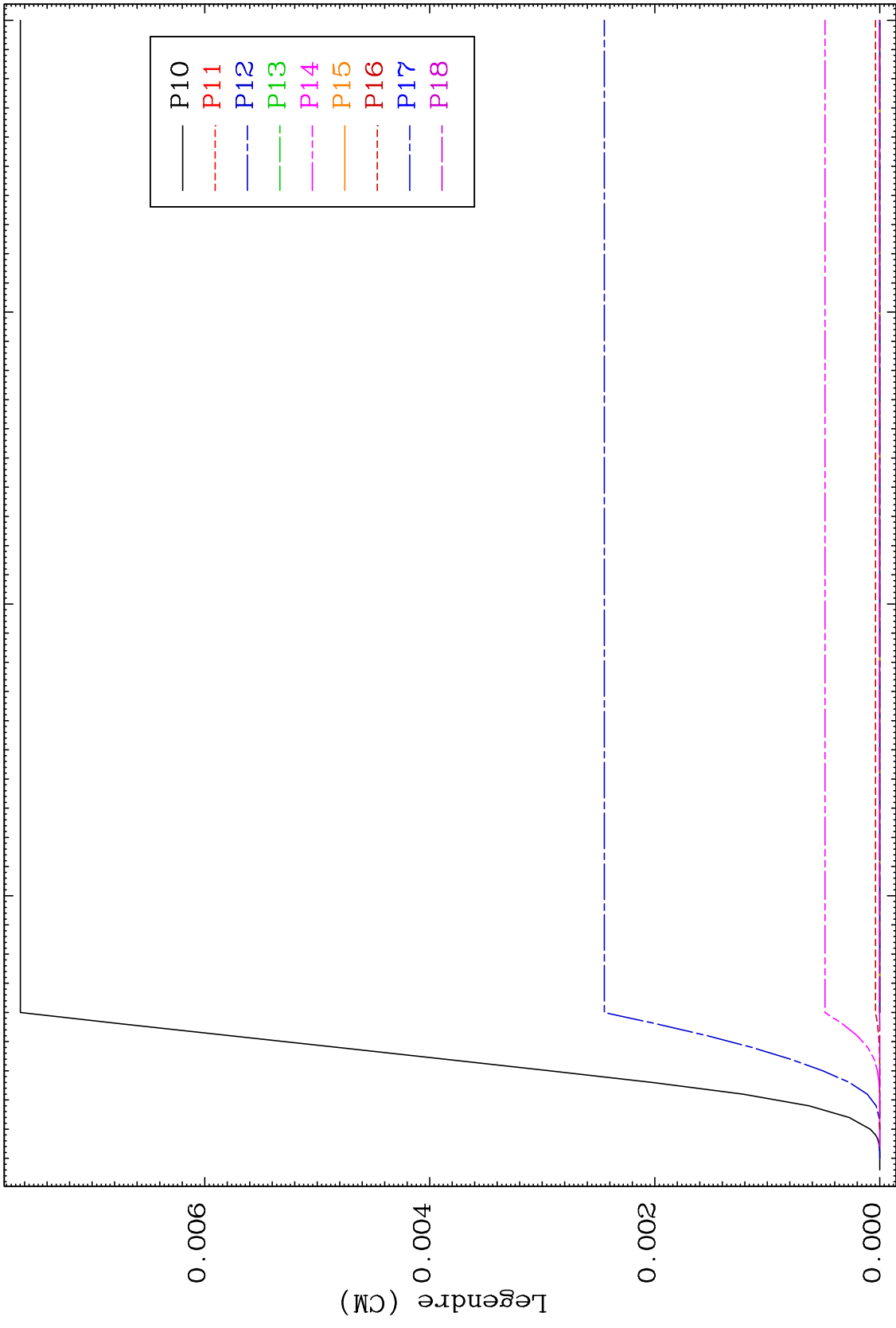
107

Incident Energy (MeV)

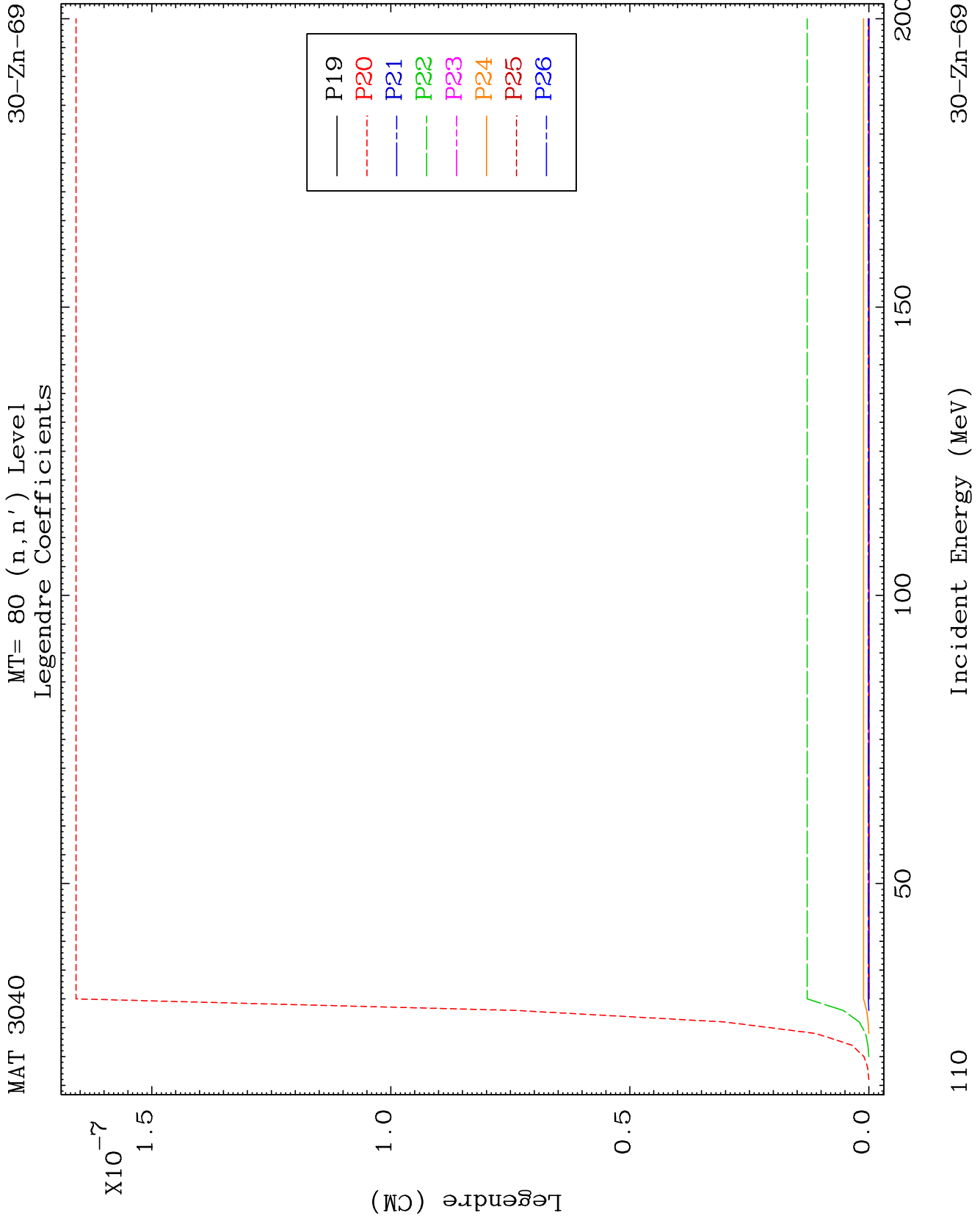
30-Zn-69



MAT 3040 MT= 80 (n,n') Level Legendre Coefficients 30-Zn-69



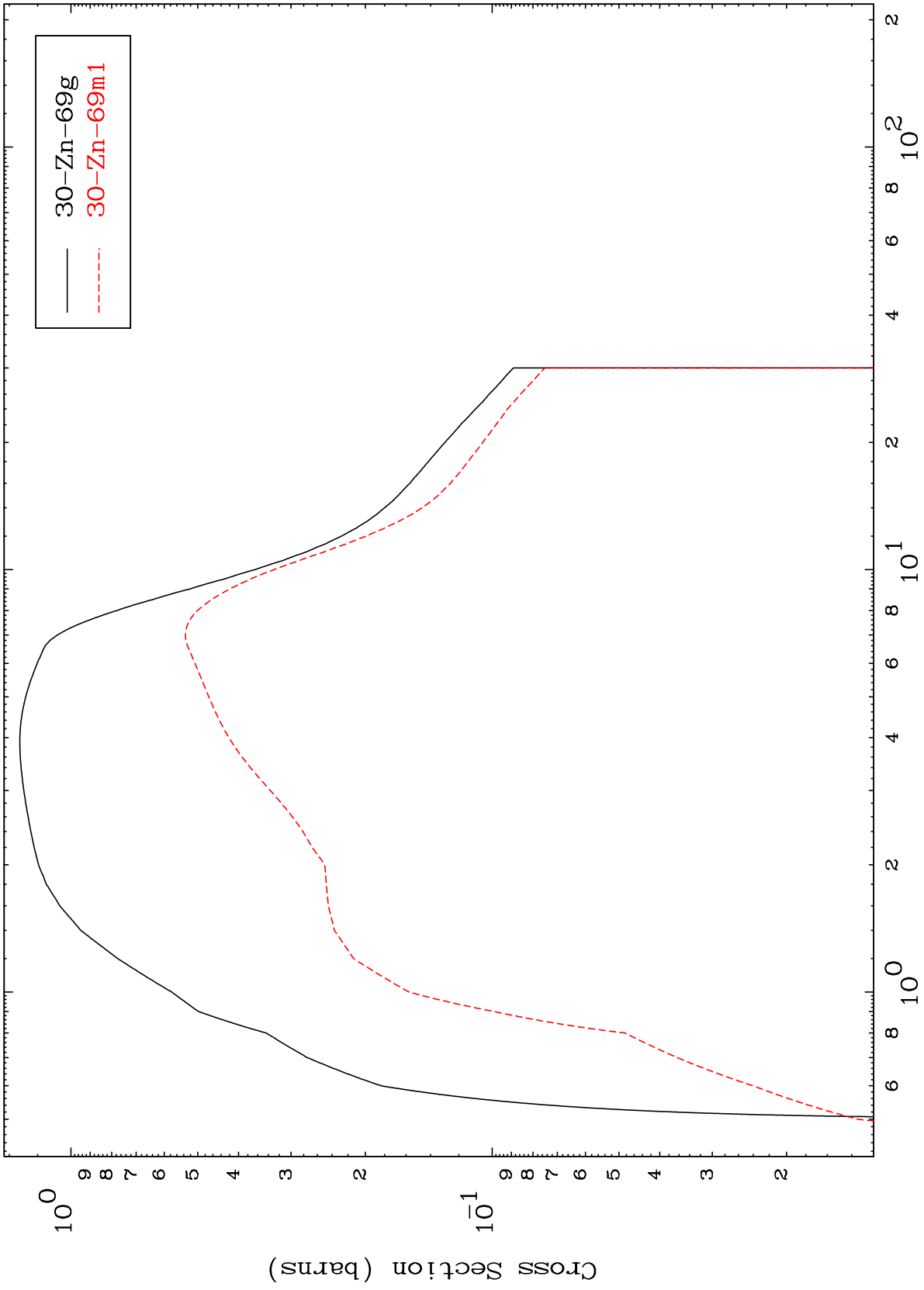
109 Incident Energy (MeV) 30-Zn-69



MAT 3040

30-Zn-69

Inelastic  
Radionuclide Production Cross Section



111

30-Zn-69

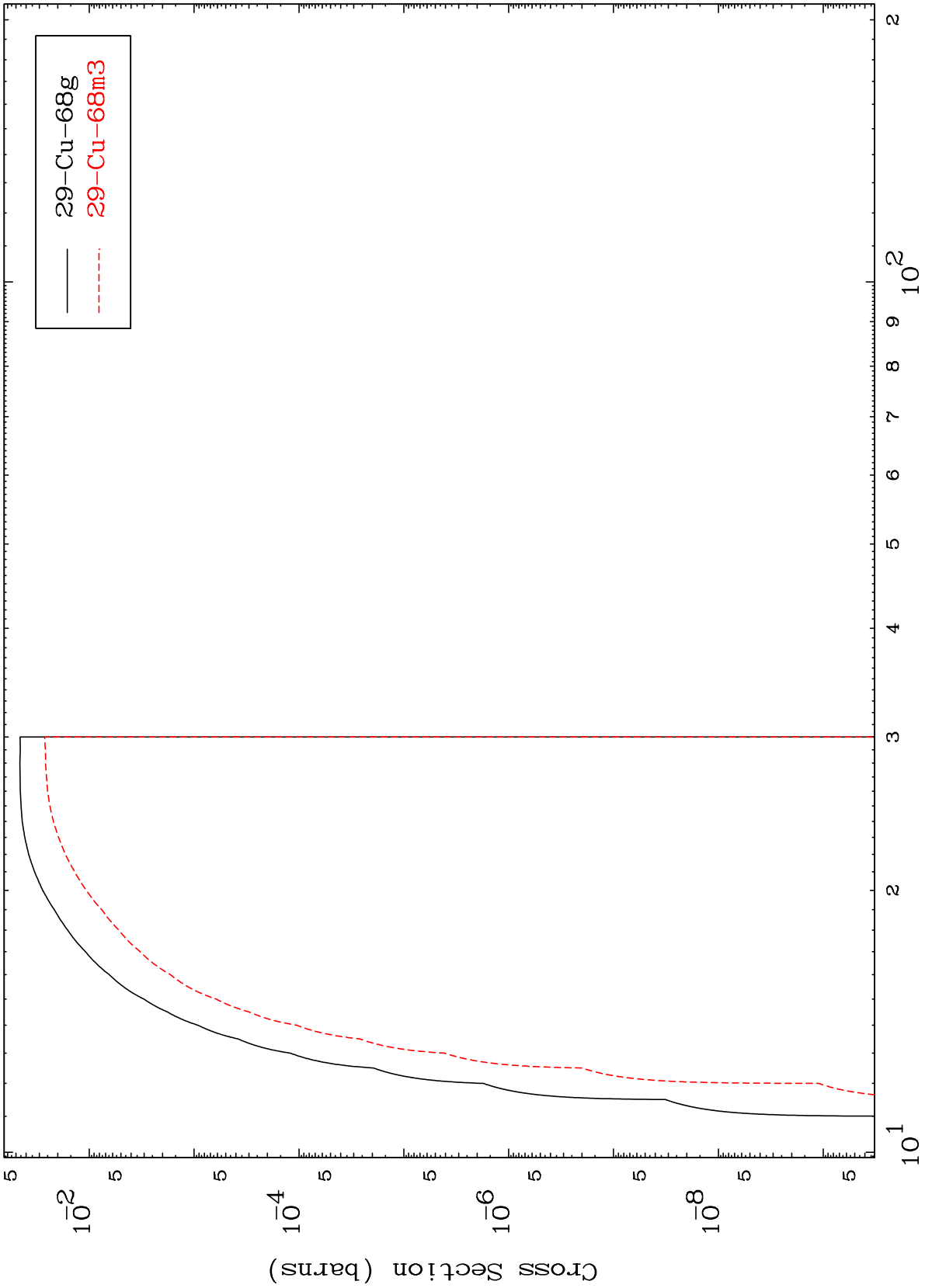


MAT 3040

(n,n') p

30-Zn-69

Radionuclide Production Cross Section



112

Incident Energy (MeV)

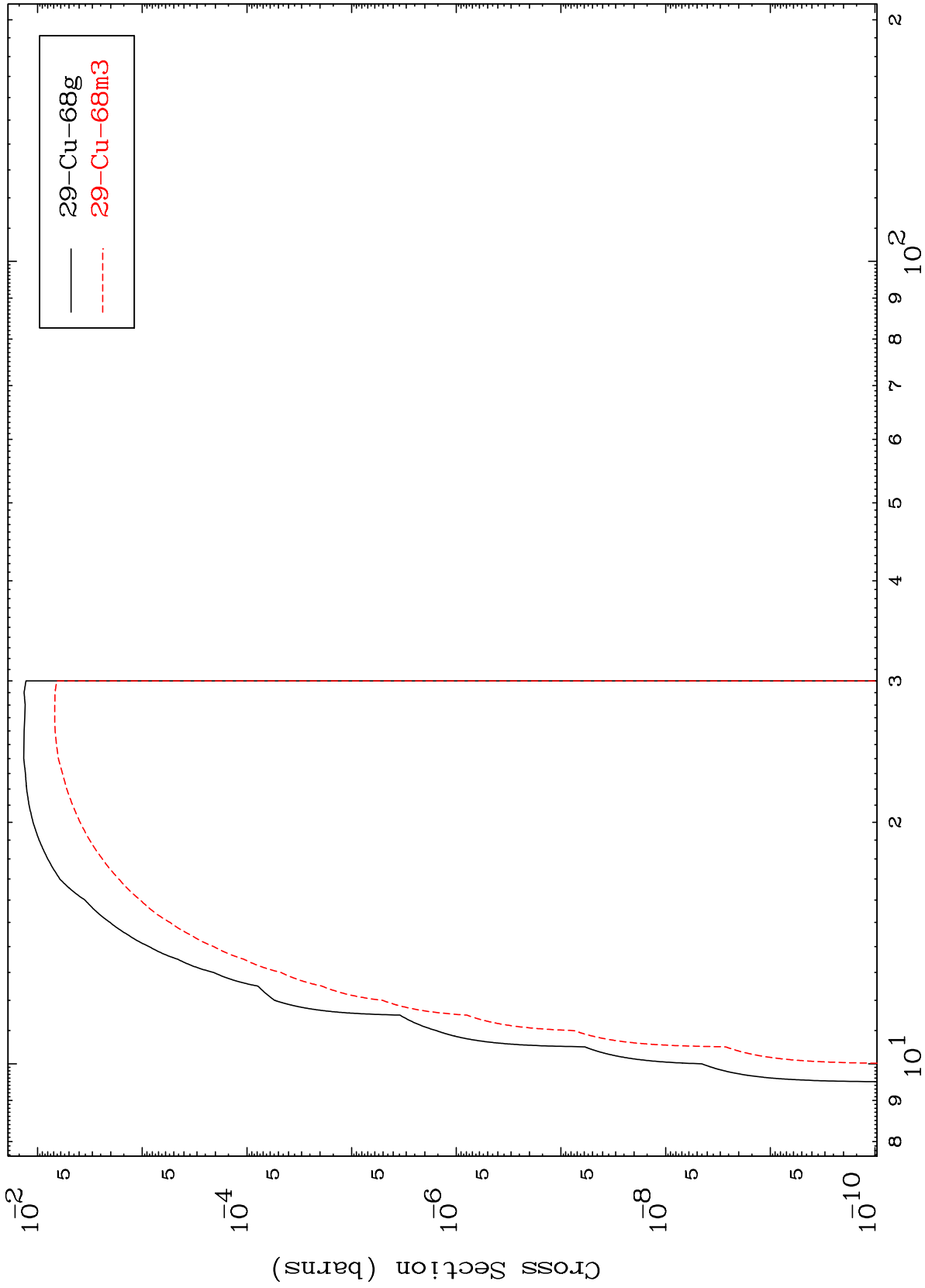
30-Zn-69

MAT 3040

(n,d)

30-Zn-69

Radionuclide Production Cross Section



113

Incident Energy (MeV)

30-Zn-69