

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

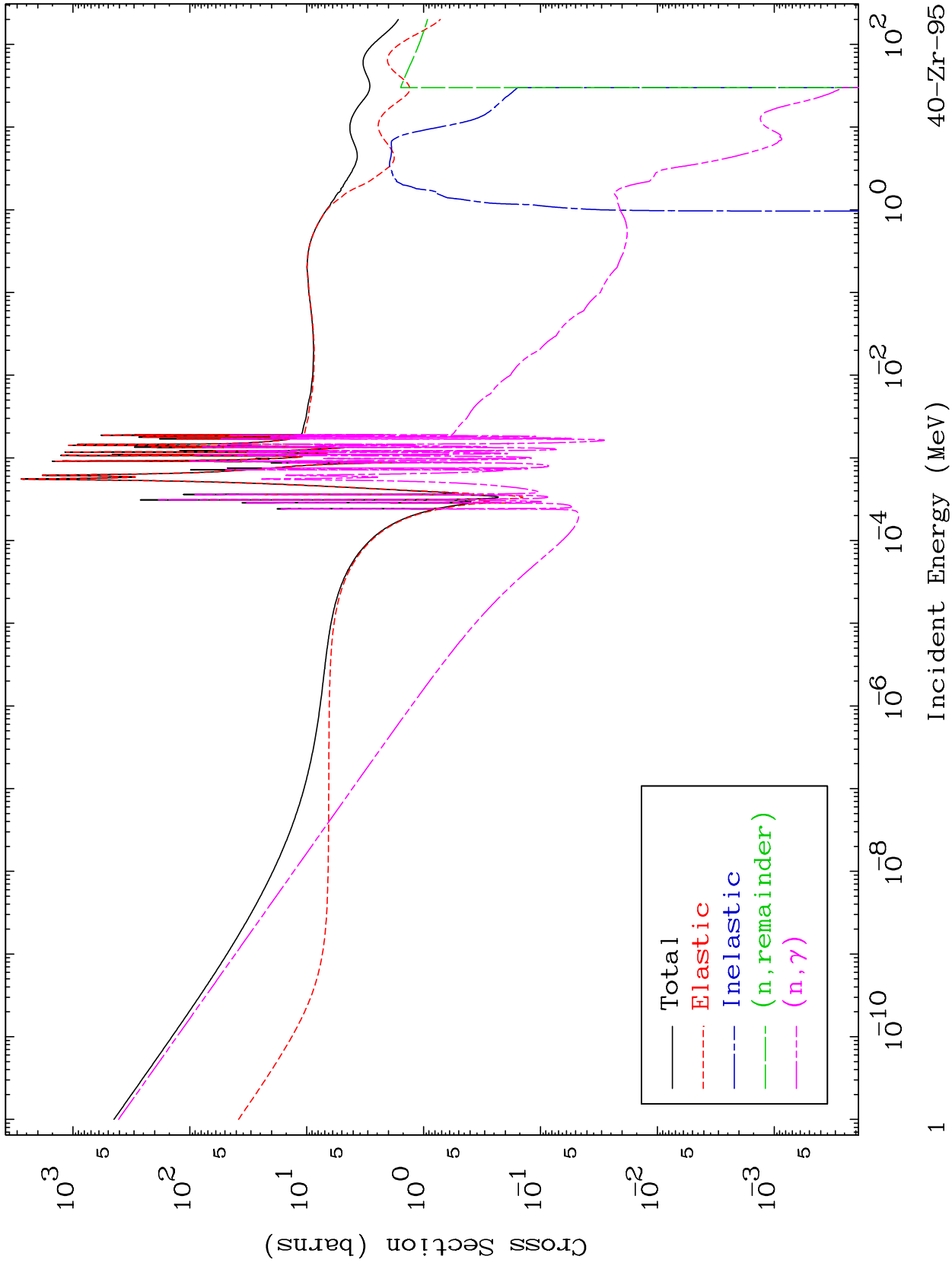
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4040

Major  
293 Kelvin Cross Sections

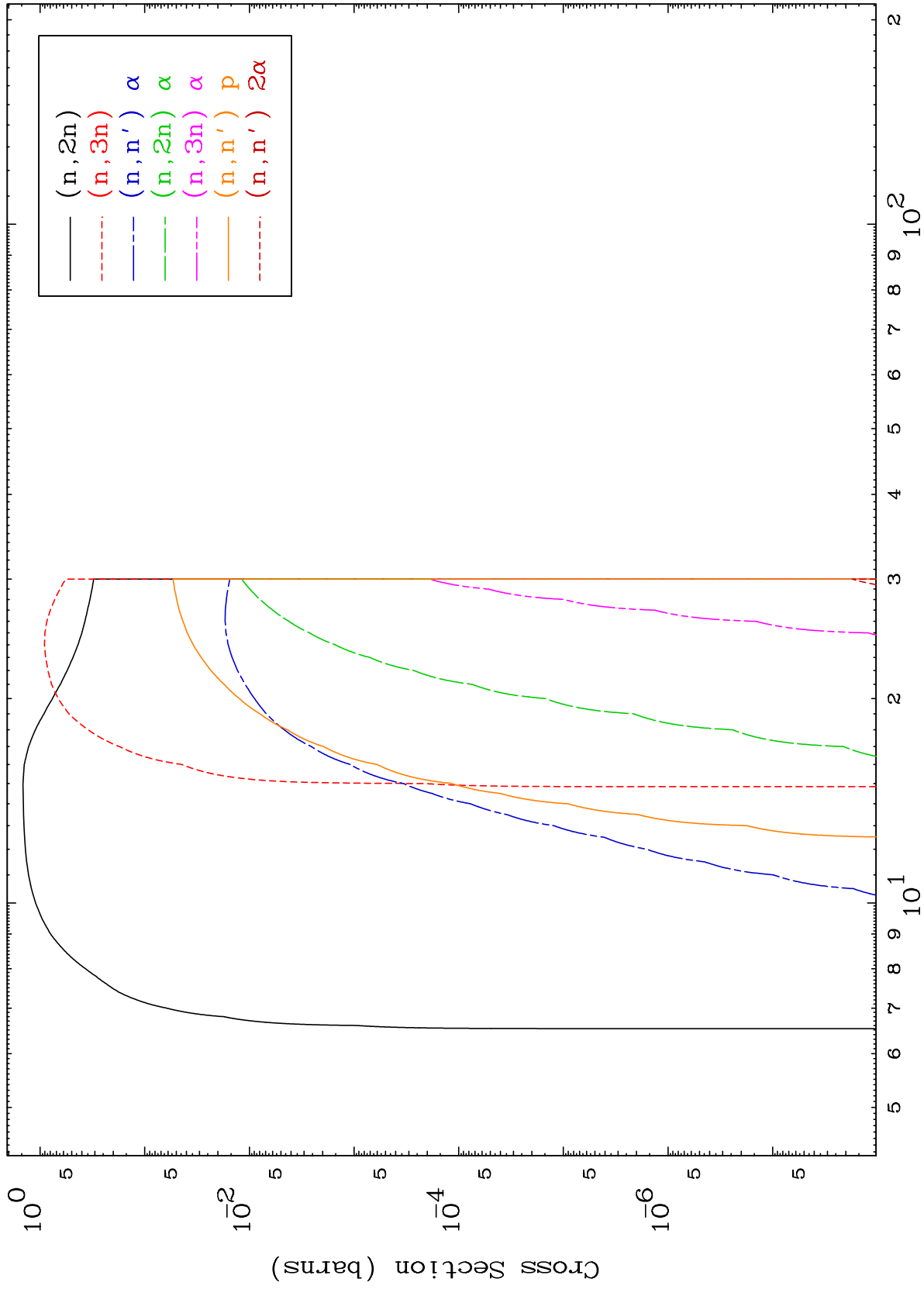
40-Zr-95



MAT 4040

Neutron Production  
293 Kelvin Cross Sections

40-Zr-95



2

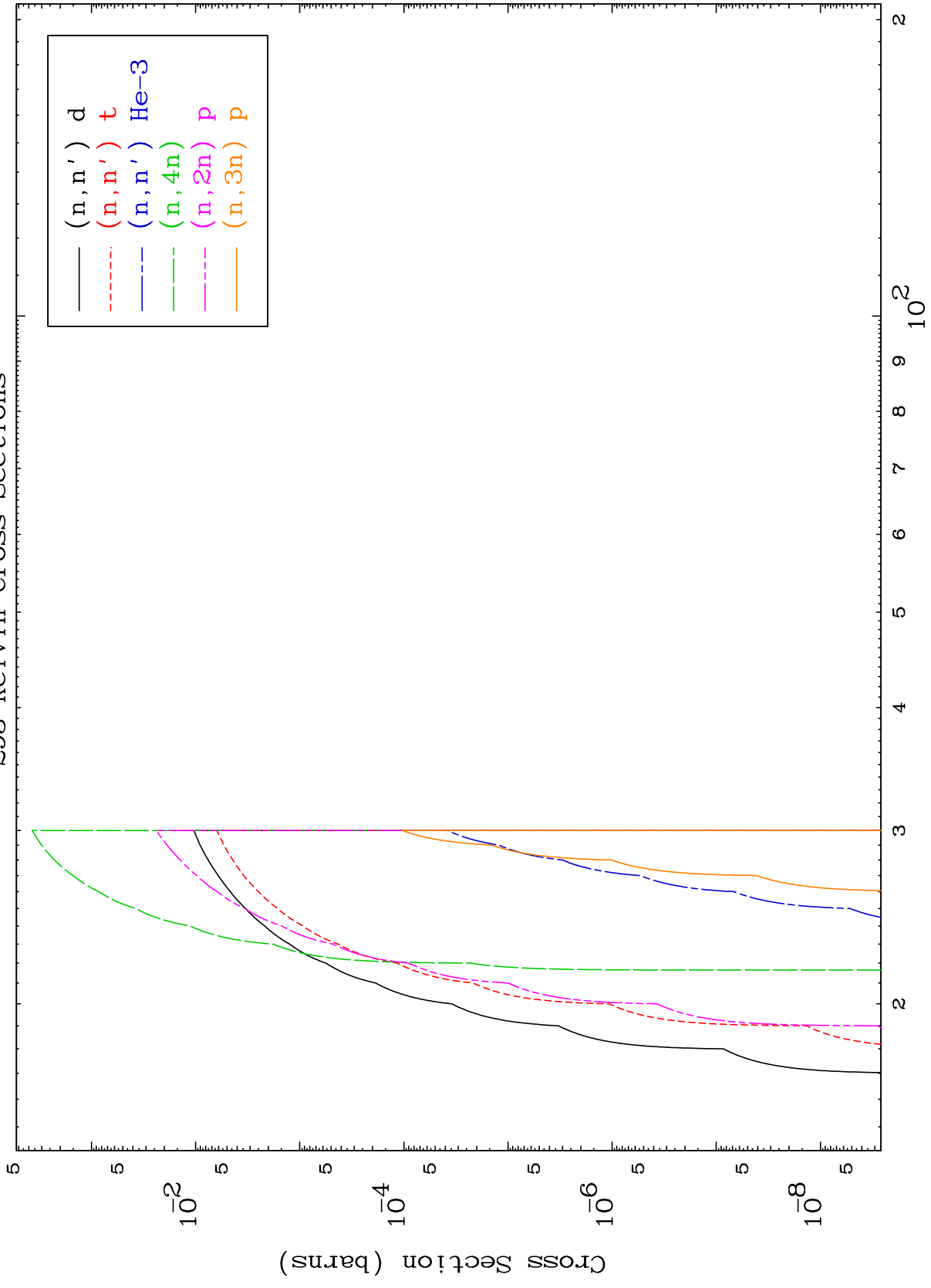
Incident Energy (MeV)

40-Zr-95

MAT 4040

Neutron Production  
293 Kelvin Cross Sections

40-Zr-95



3

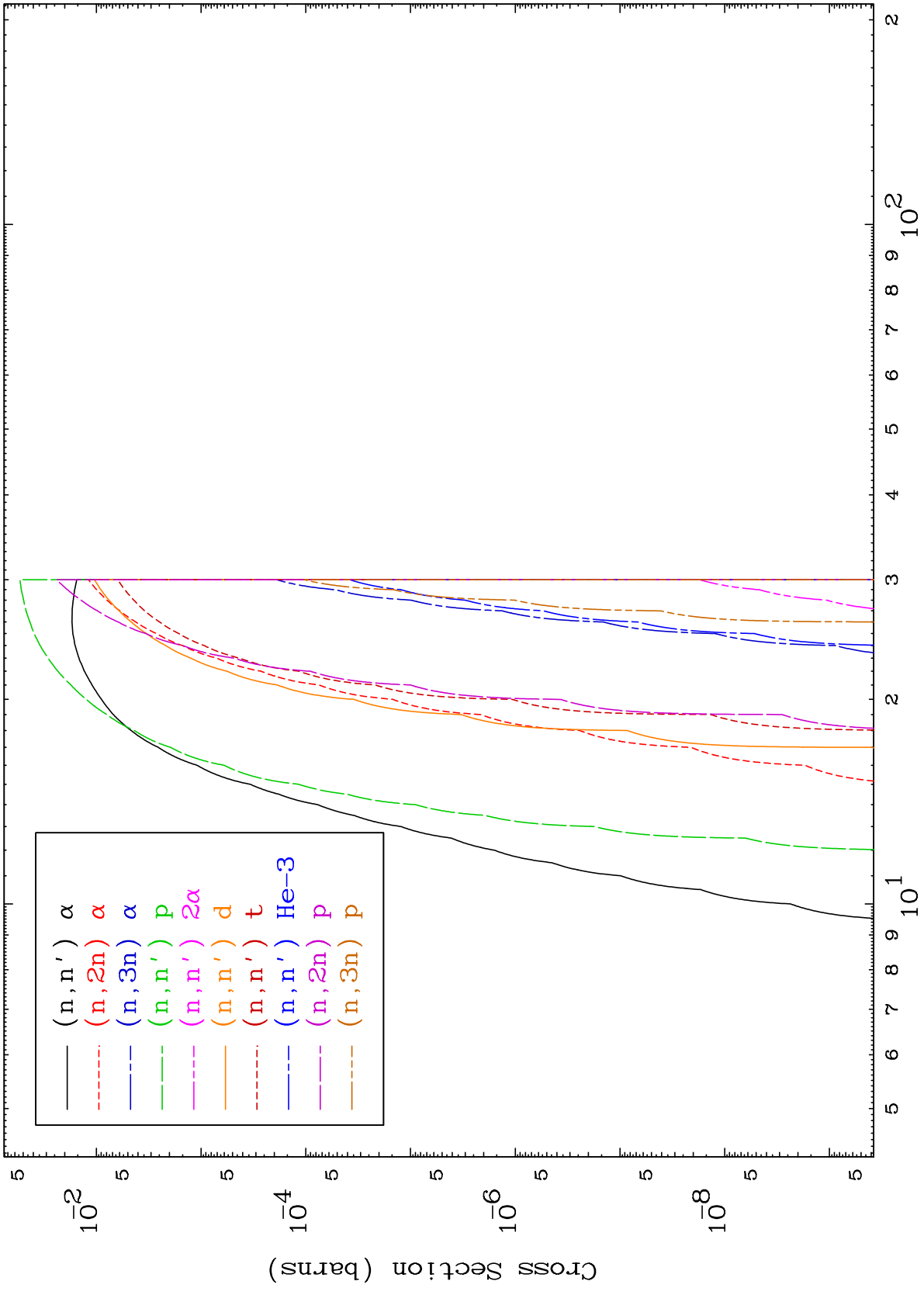
Incident Energy (MeV)

40-Zr-95

MAT 4040

Charged Particle  
293 Kelvin Cross Sections

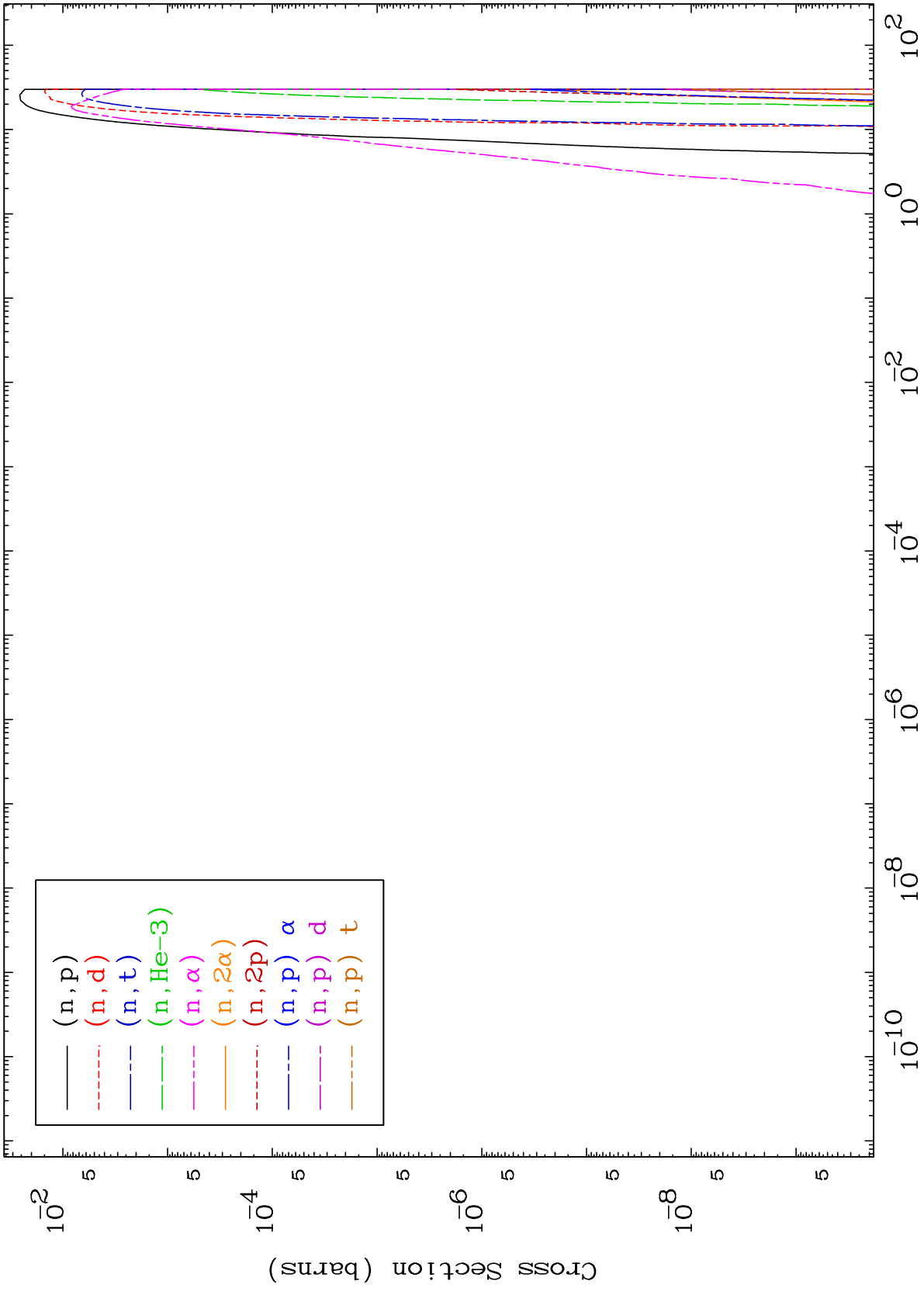
40-Zr-95



MAT 4040

293 Charged Particle  
Kelvin Cross Sections

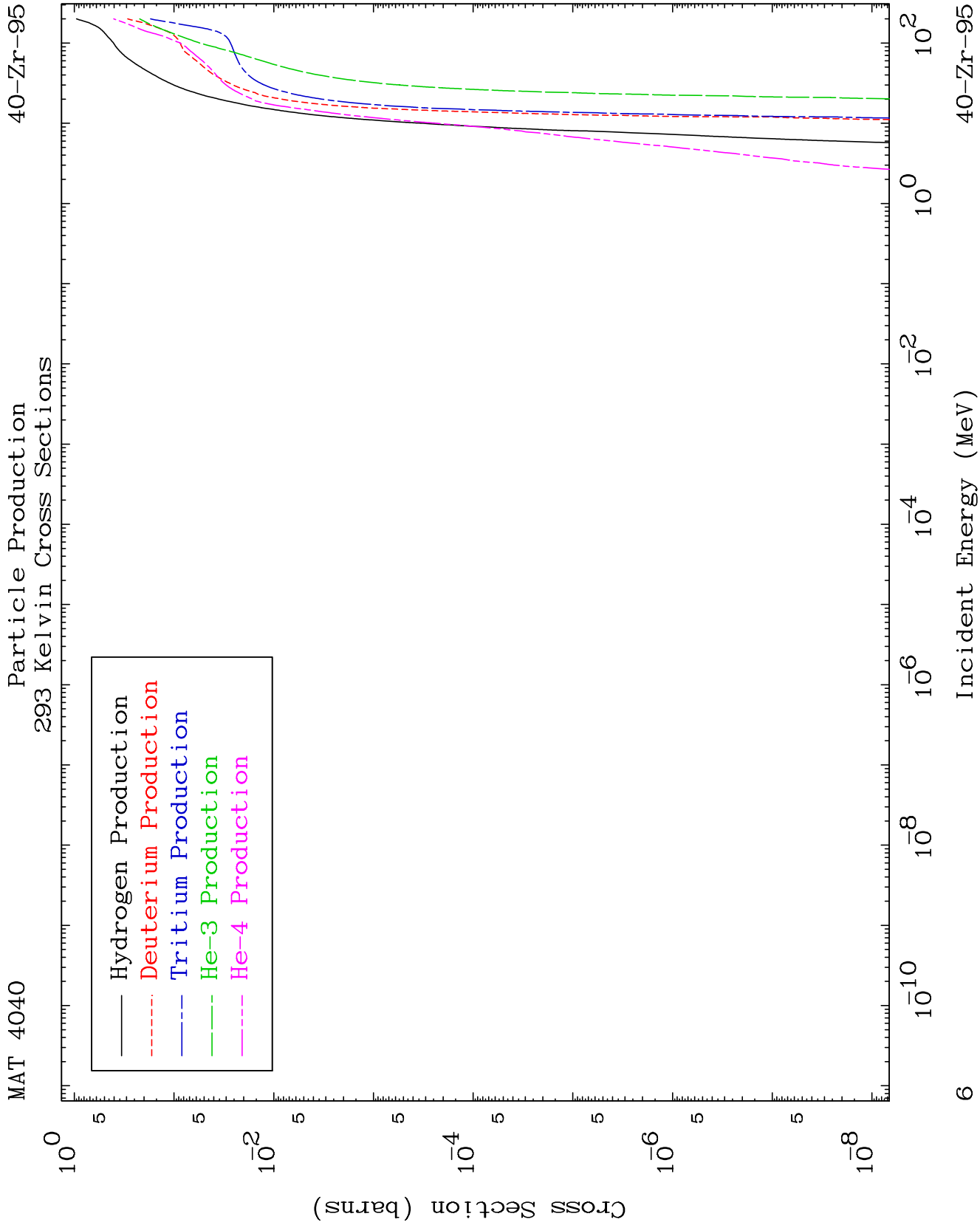
40-Zr-95



5

Incident Energy (MeV)

40-Zr-95

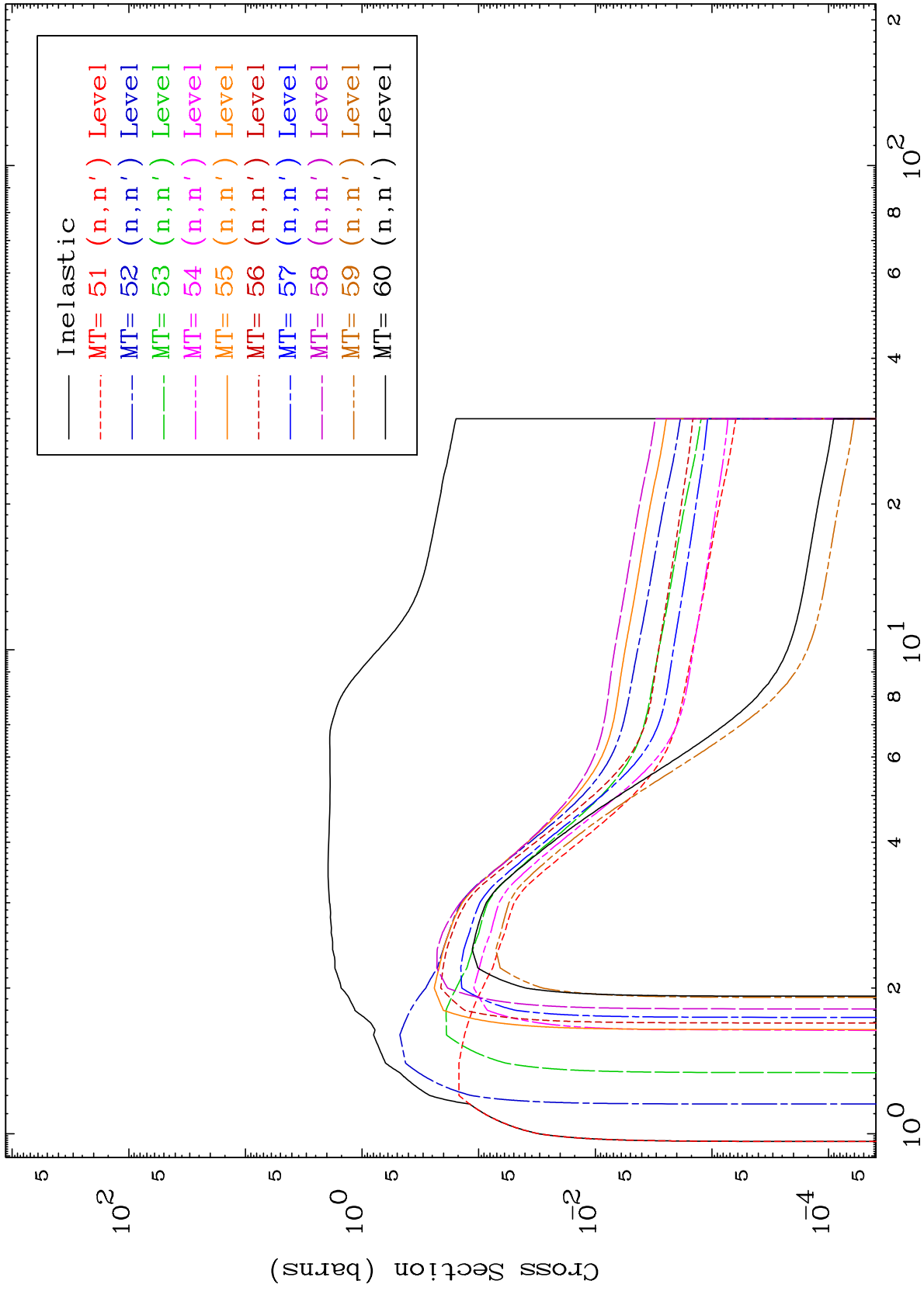


MAT 4040

(n,n') Level

40-Zr-95

293 Kelvin Cross Sections



Incident Energy (MeV)

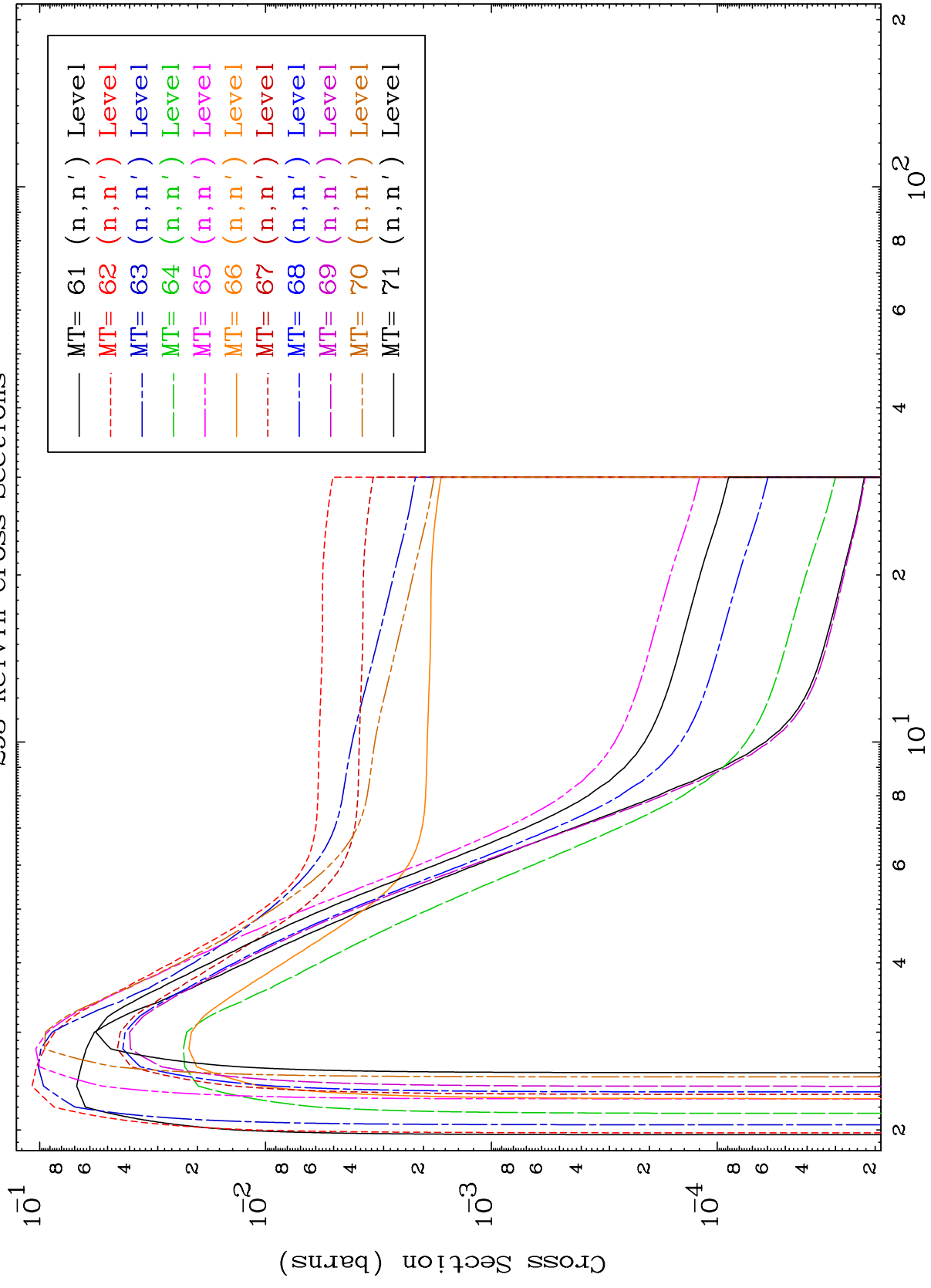
40-Zr-95



MAT 4040

(n,n') Level  
293 Kelvin Cross Sections

40-Zr-95



8

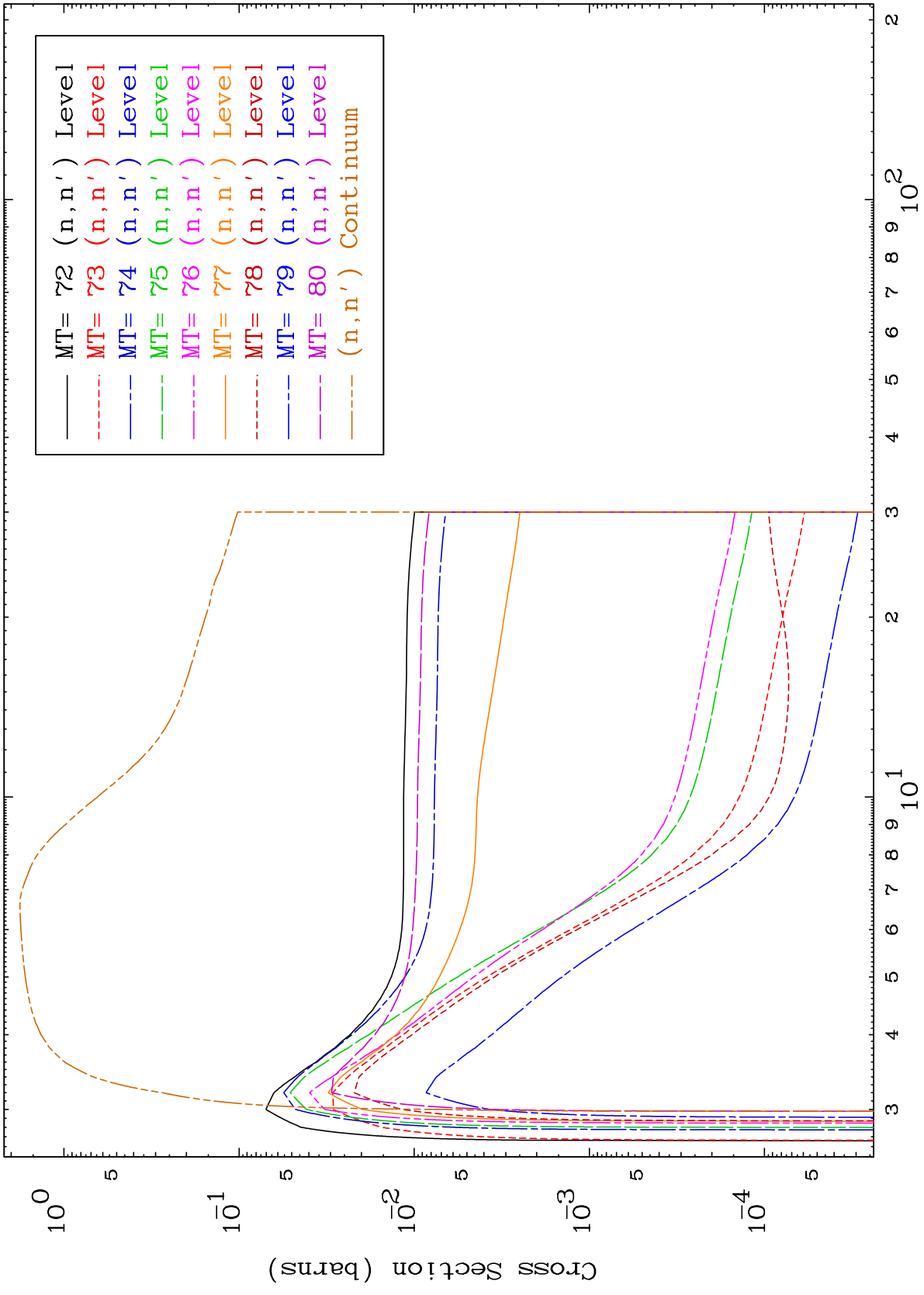
Incident Energy (MeV)

40-Zr-95

MAT 4040

(n,n') Level  
293 Kelvin Cross Sections

40-Zr-95



9

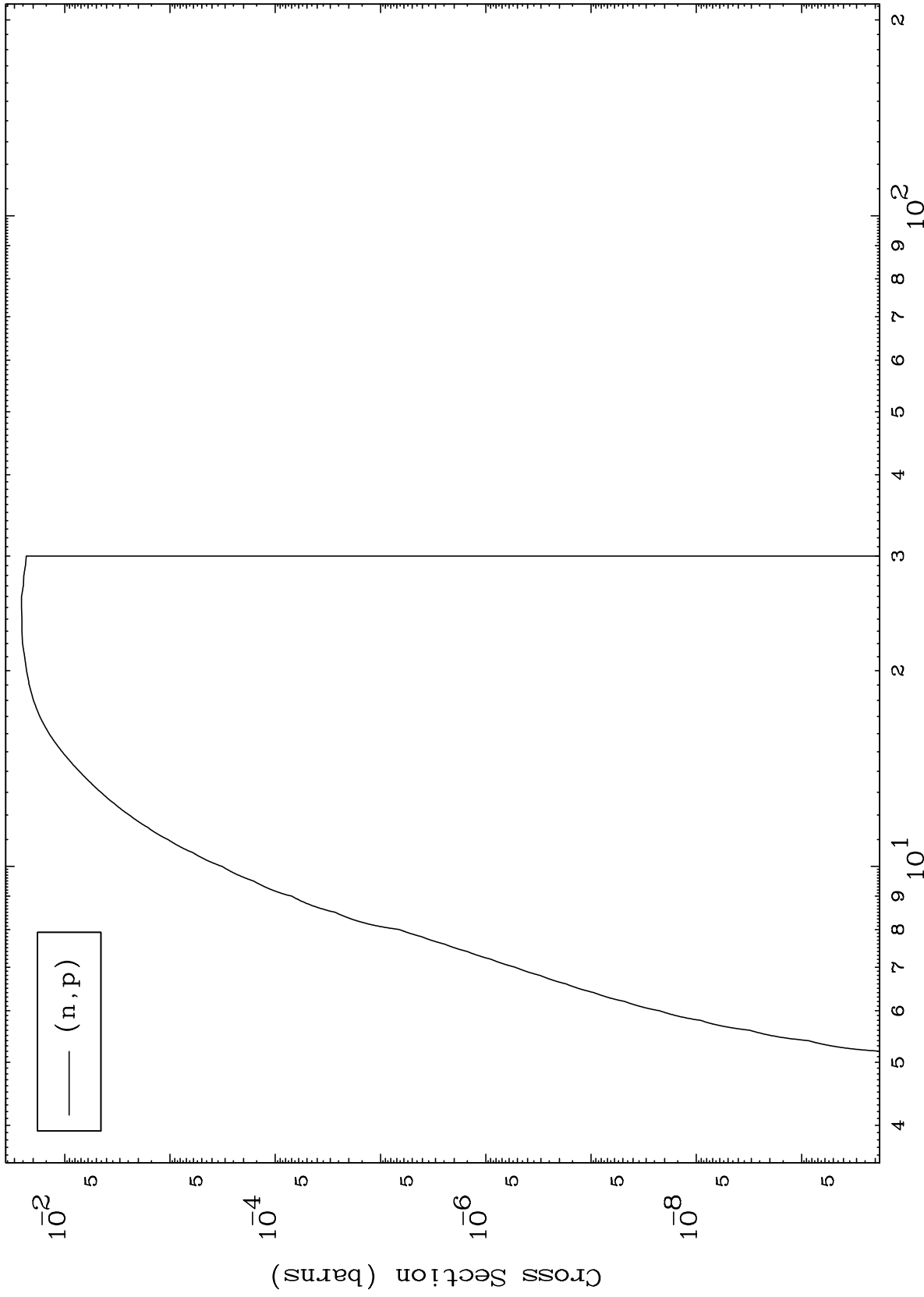
Incident Energy (MeV)

40-Zr-95

MAT 4040

(n,p) Levels  
293 Kelvin Cross Sections

40-Zr-95



10

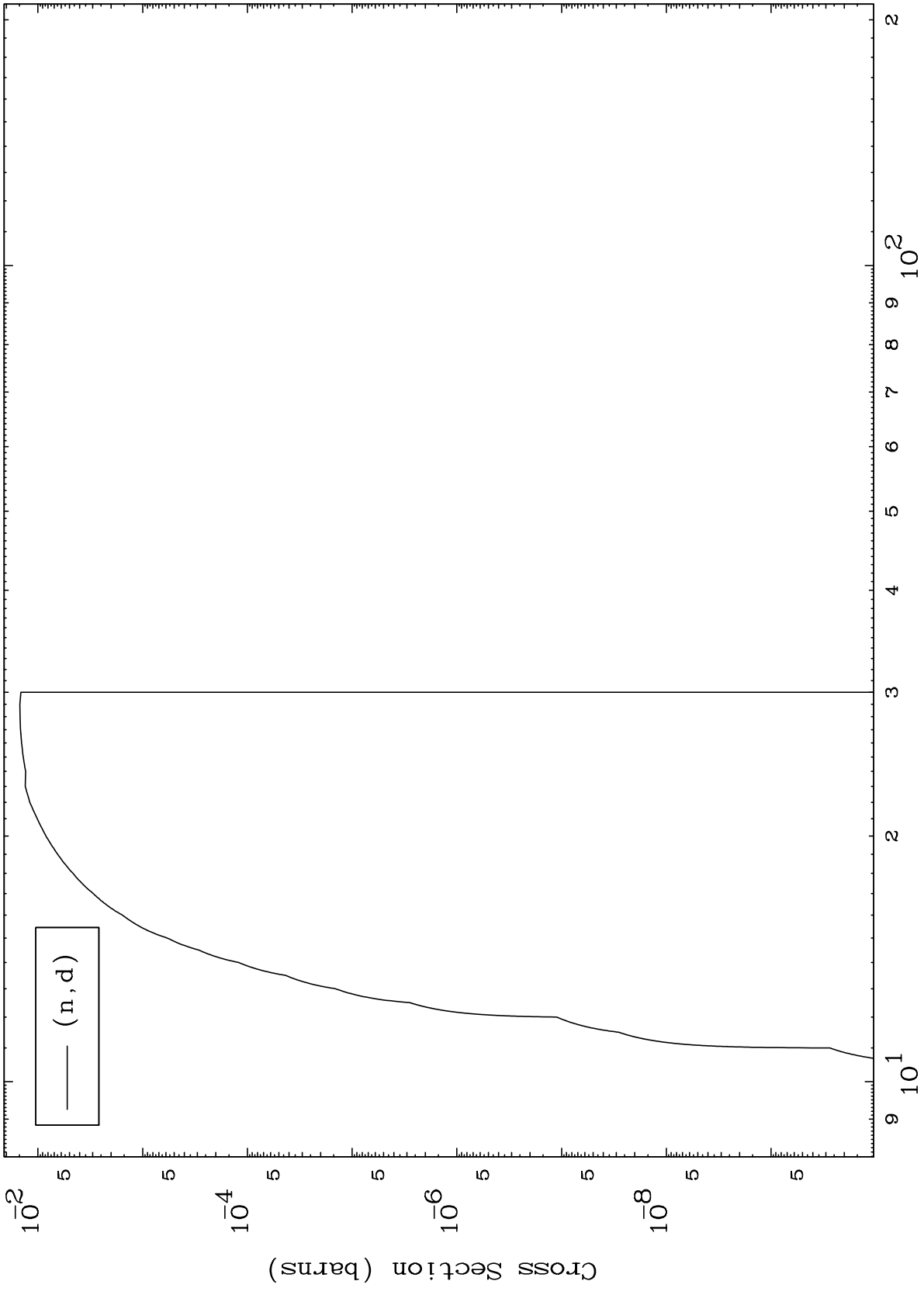
Incident Energy (MeV)

40-Zr-95

MAT 4040

(n,d) Levels  
293 Kelvin Cross Sections

40-Zr-95



11

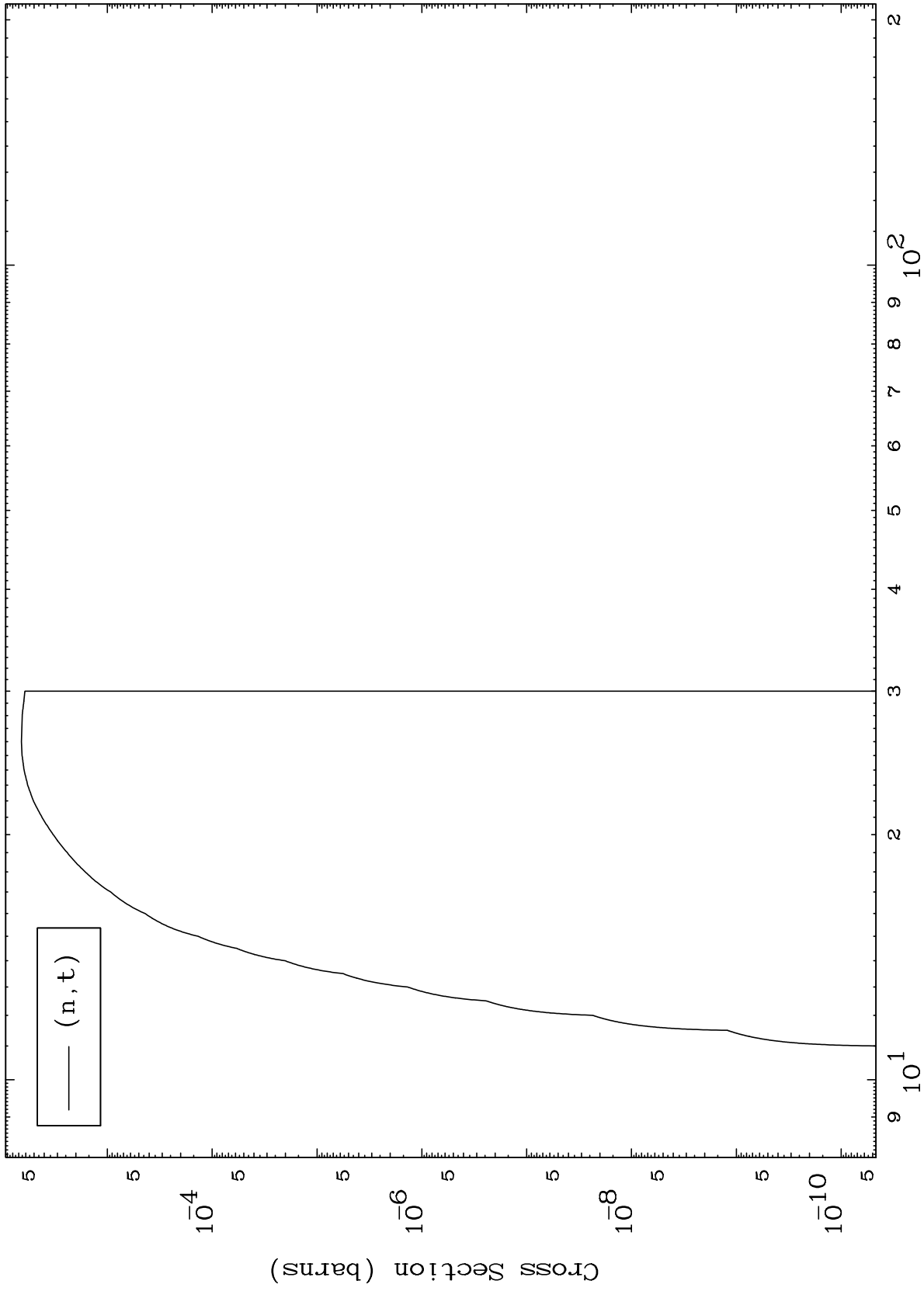
Incident Energy (MeV)

40-Zr-95

MAT 4040

(n,t) Levels  
293 Kelvin Cross Sections

40-Zr-95



12

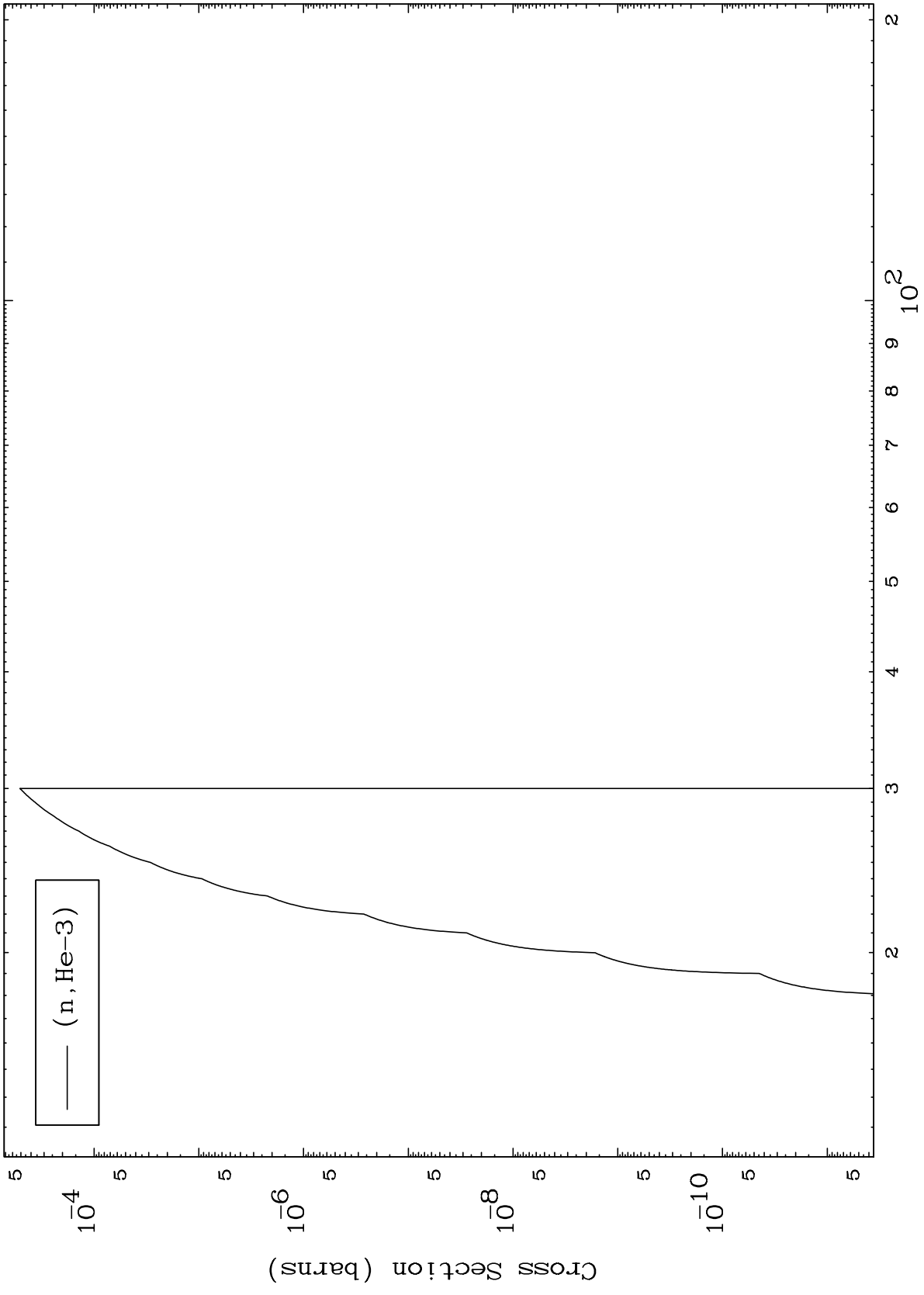
Incident Energy (MeV)

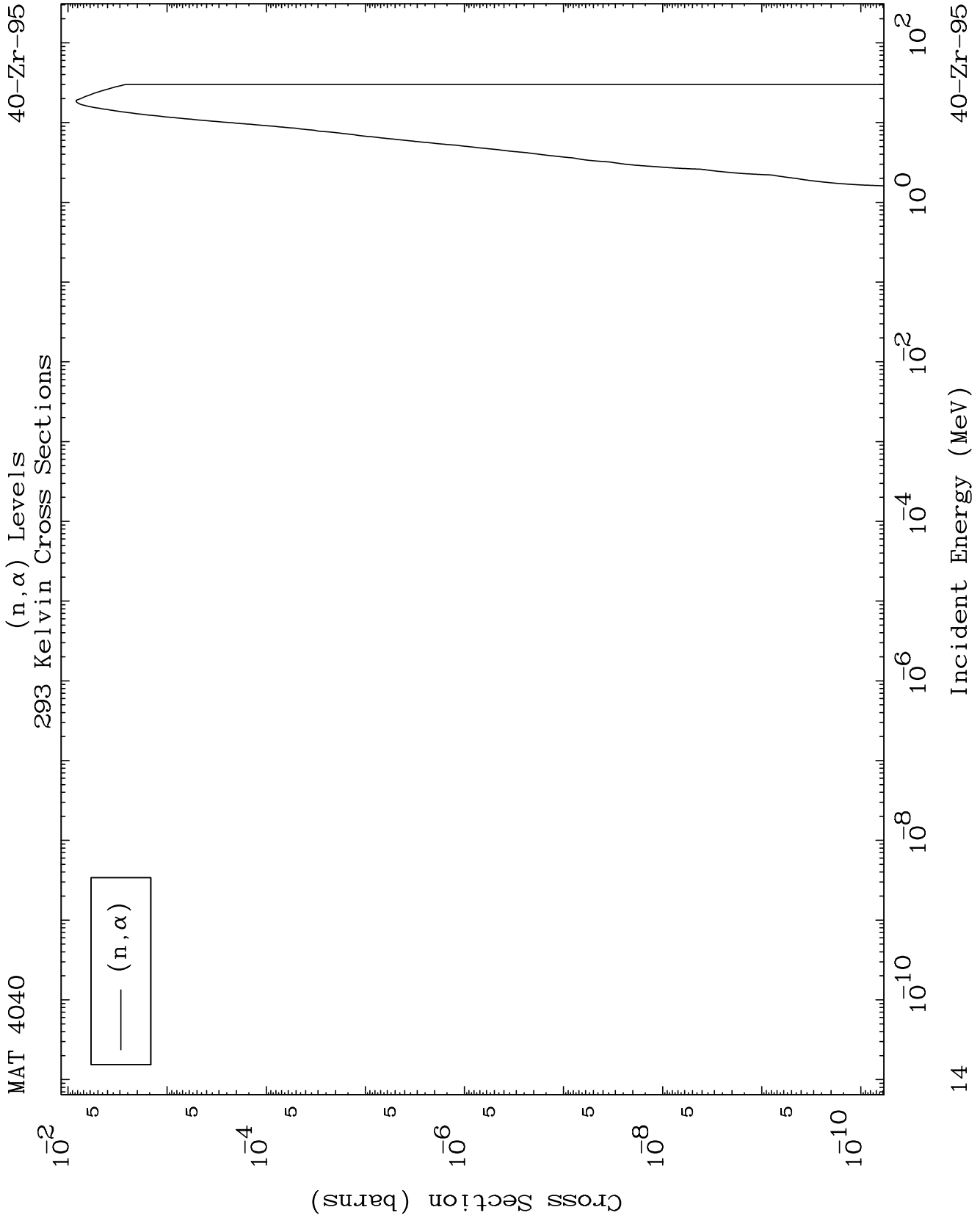
40-Zr-95

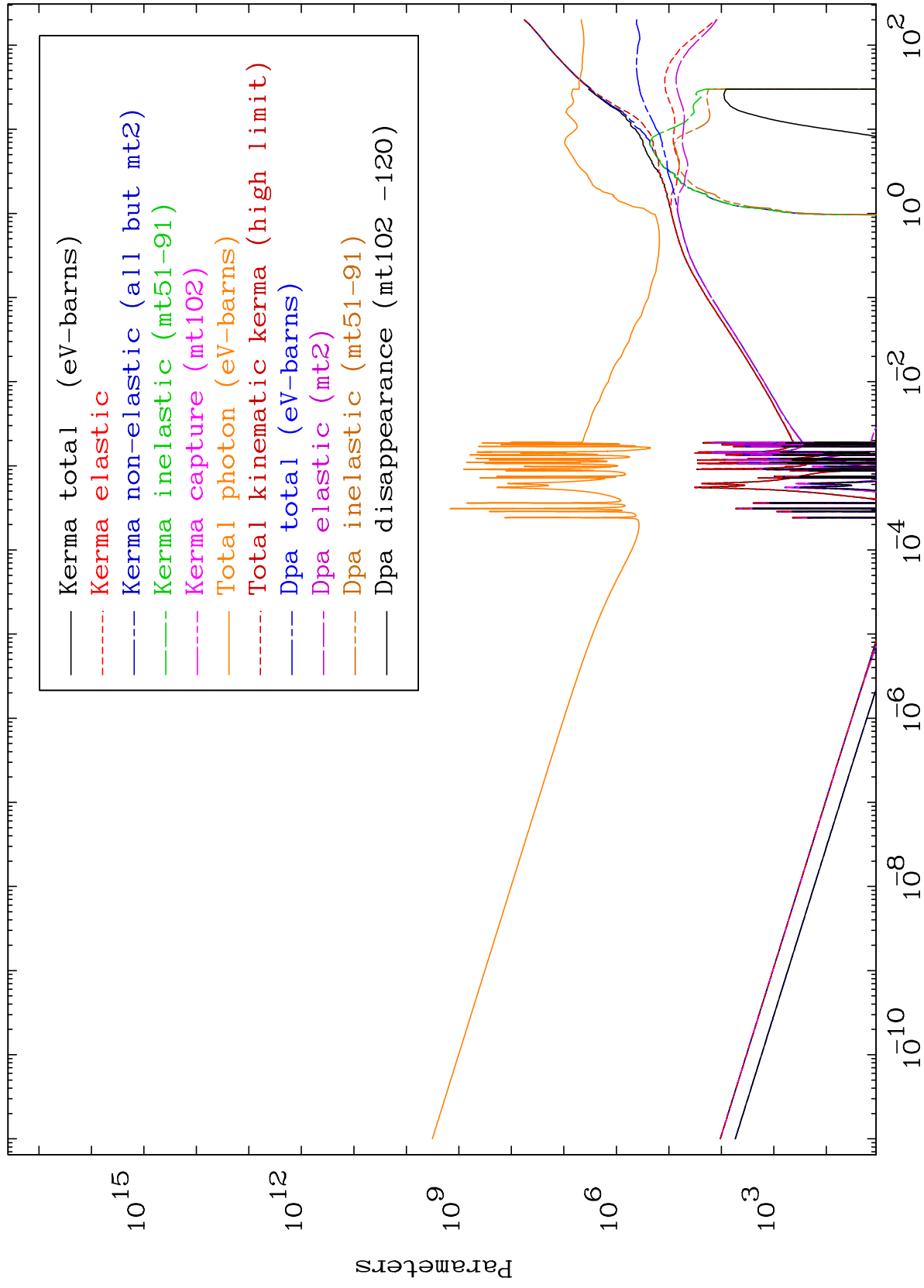
MAT 4040

(n,He3) Levels  
293 Kelvin Cross Sections

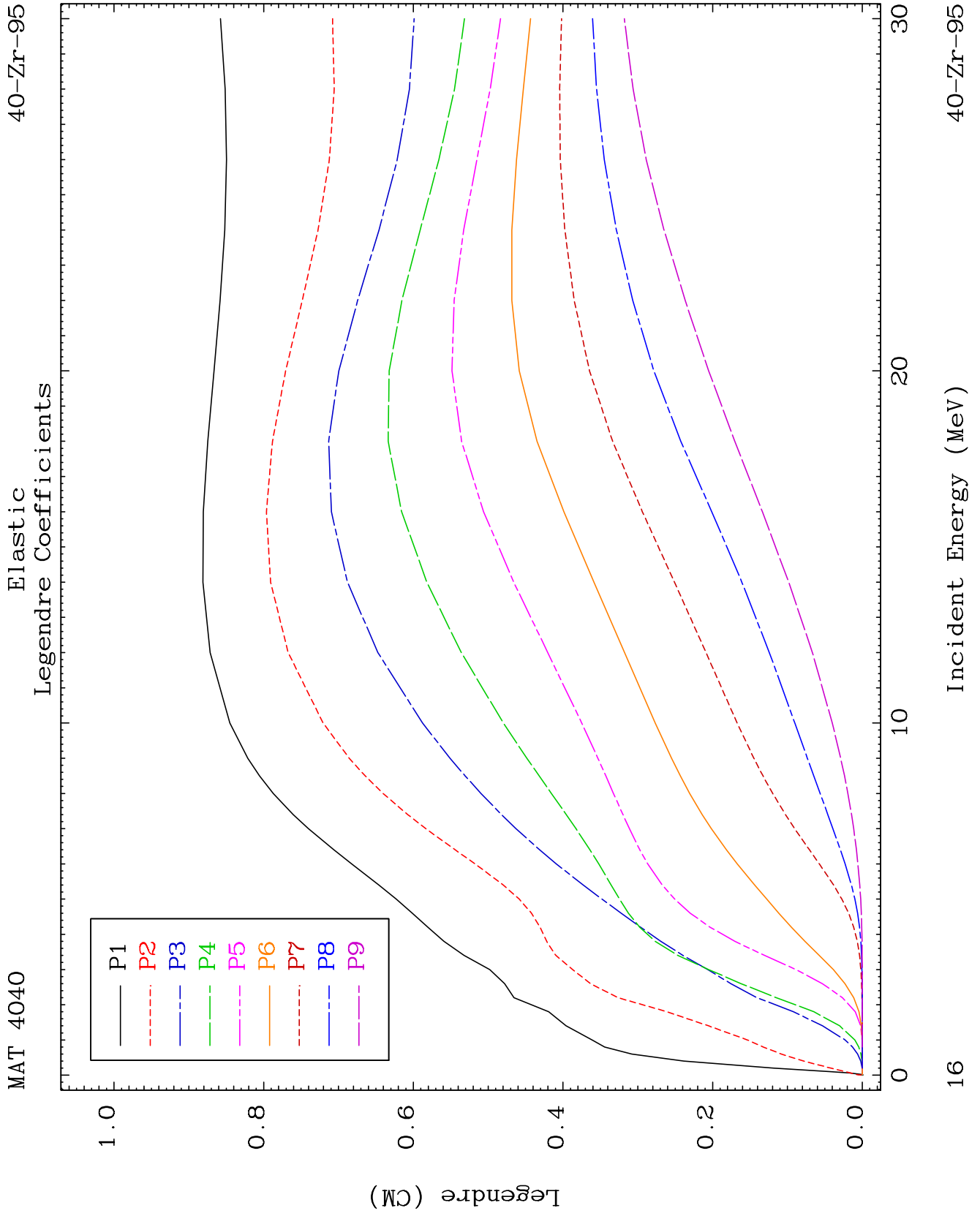
40-Zr-95

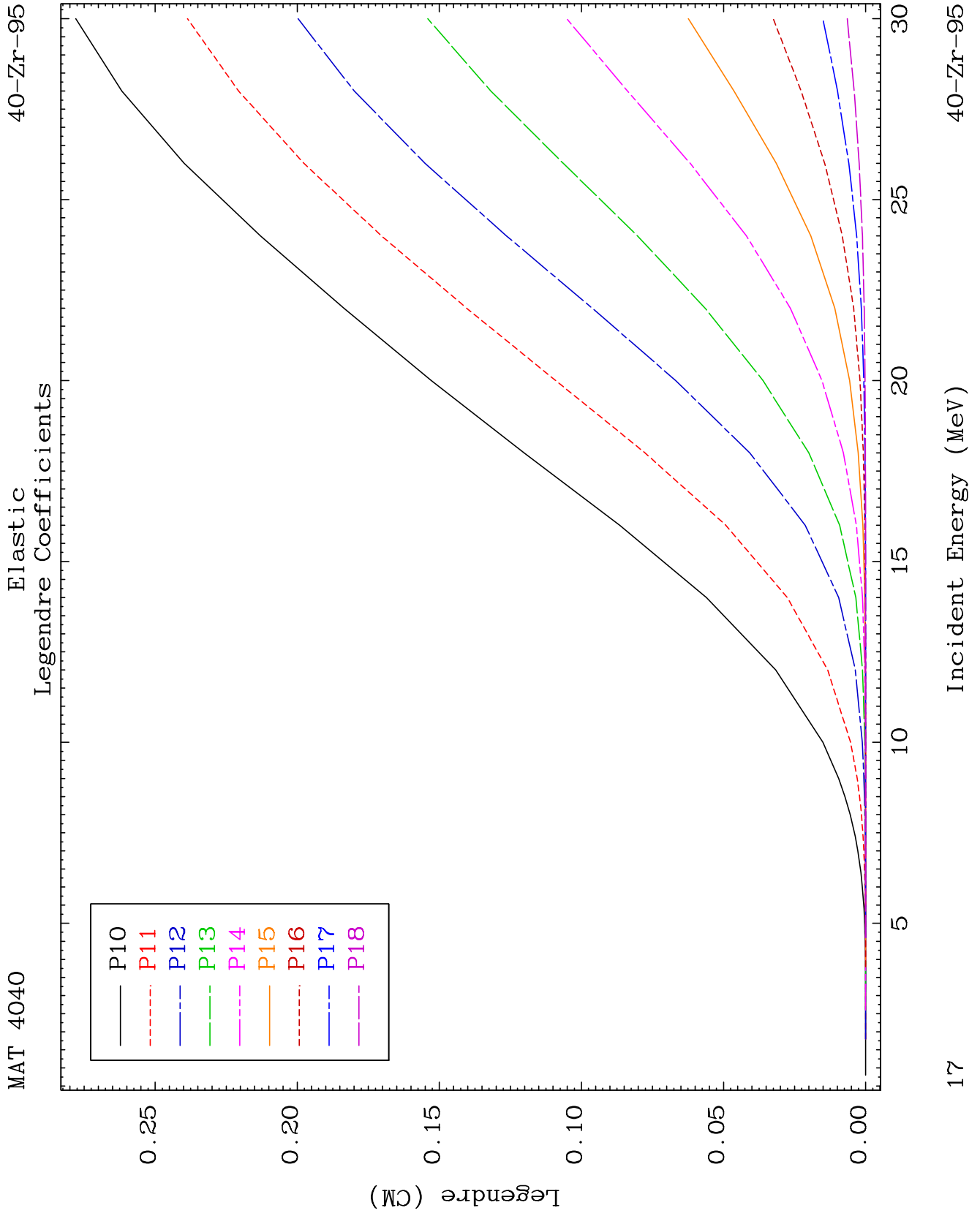








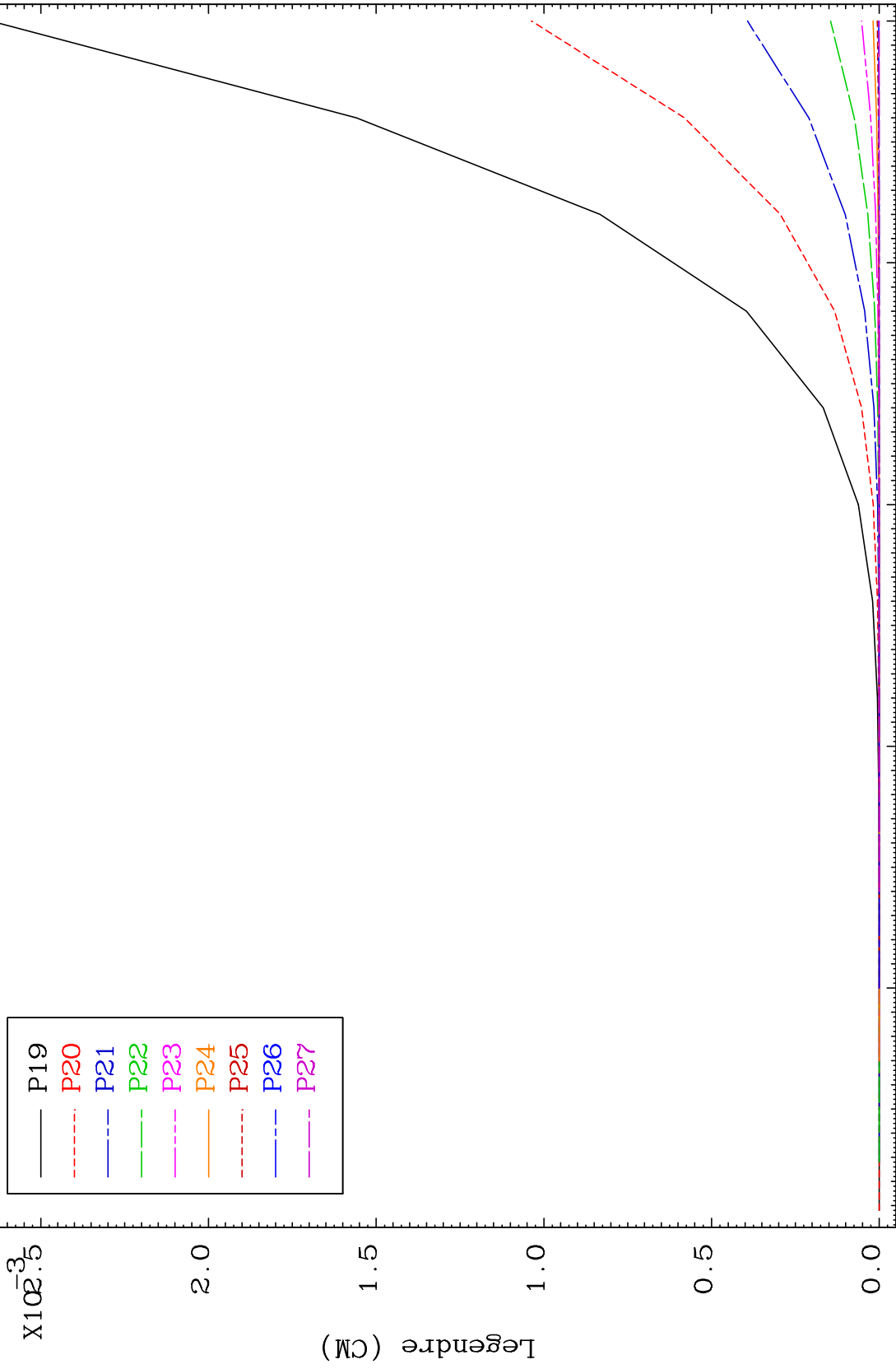
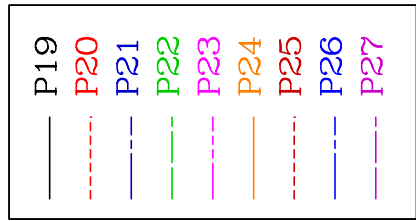




MAT 4040

Elastic Legendre Coefficients

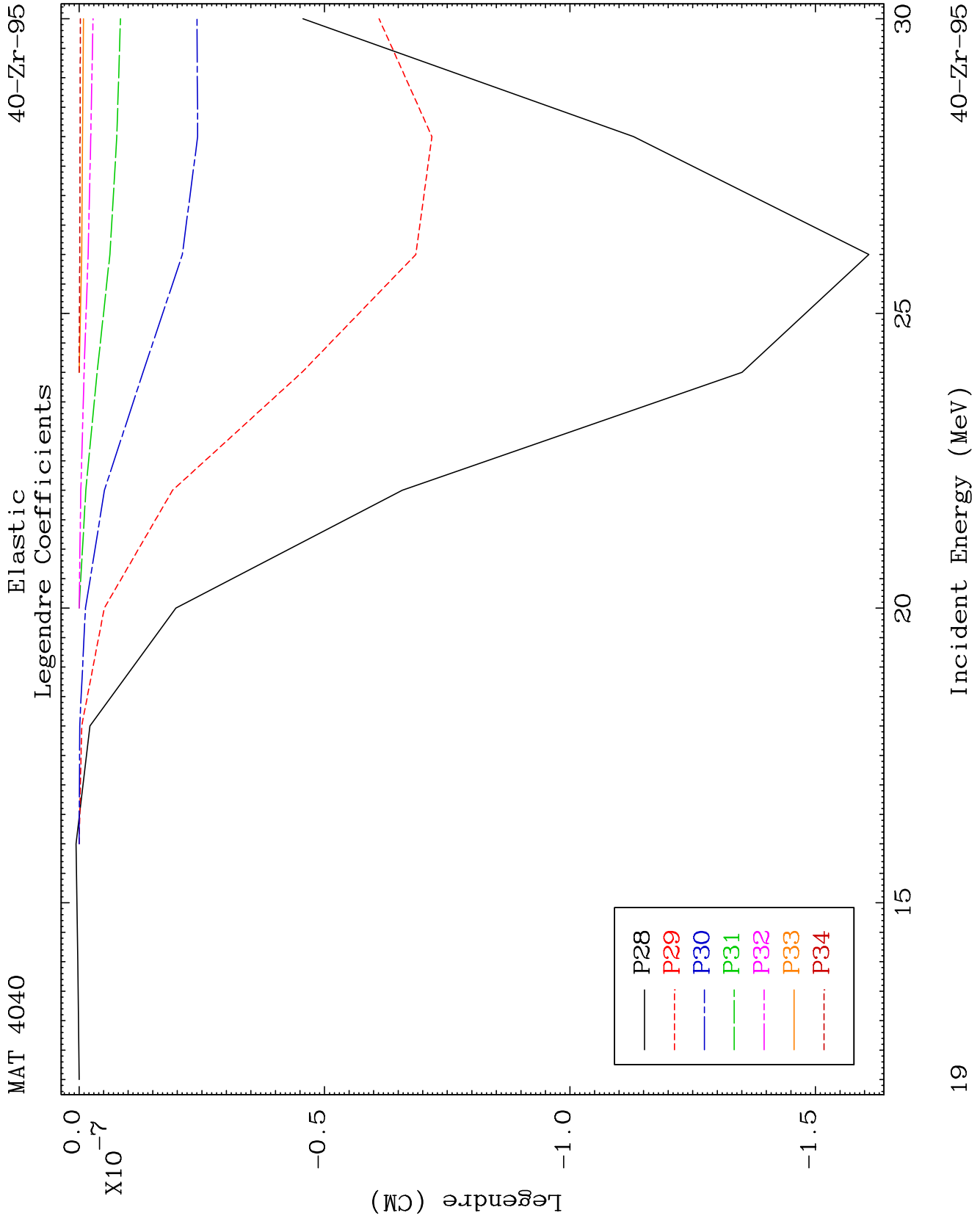
40-Zr-95

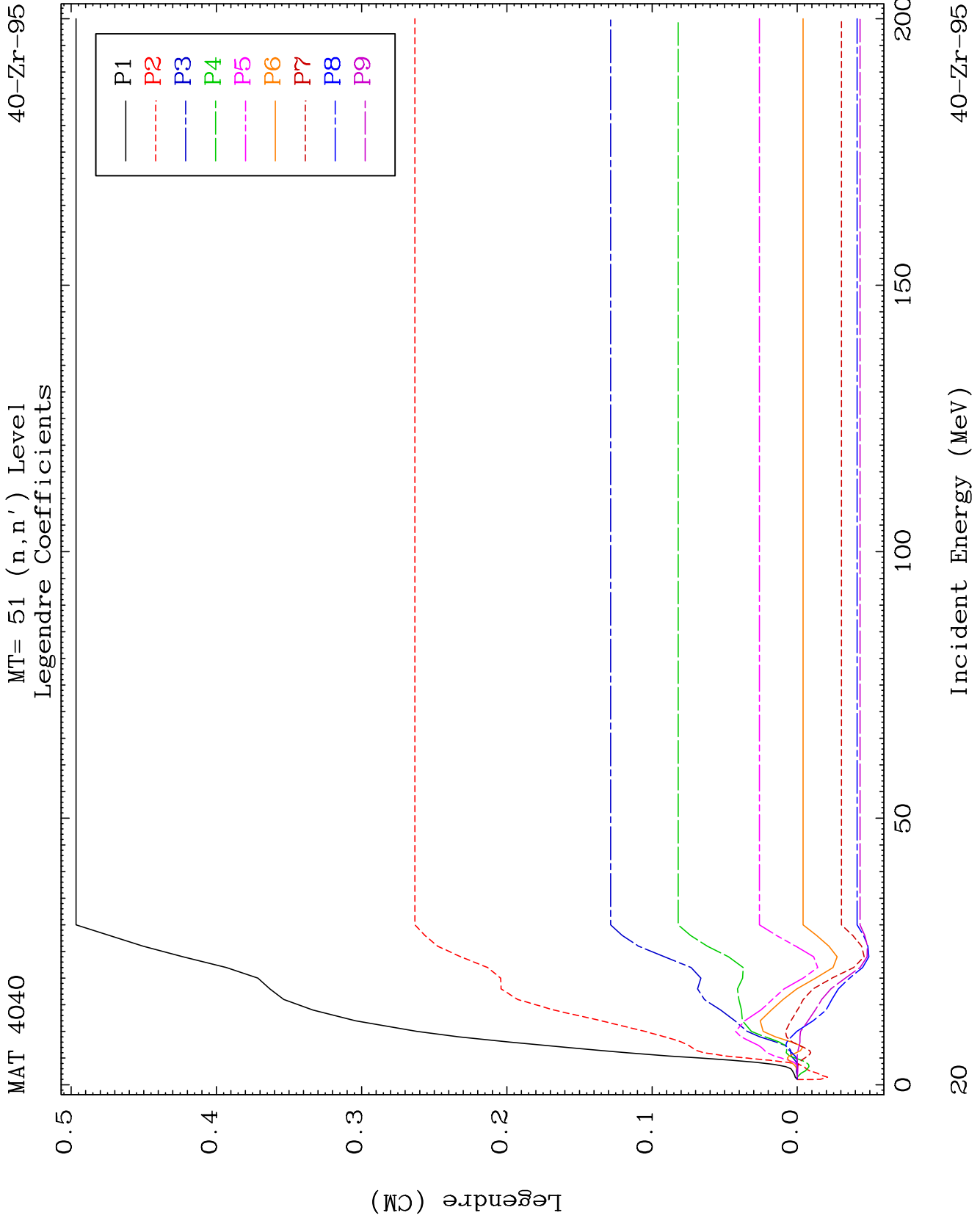


18

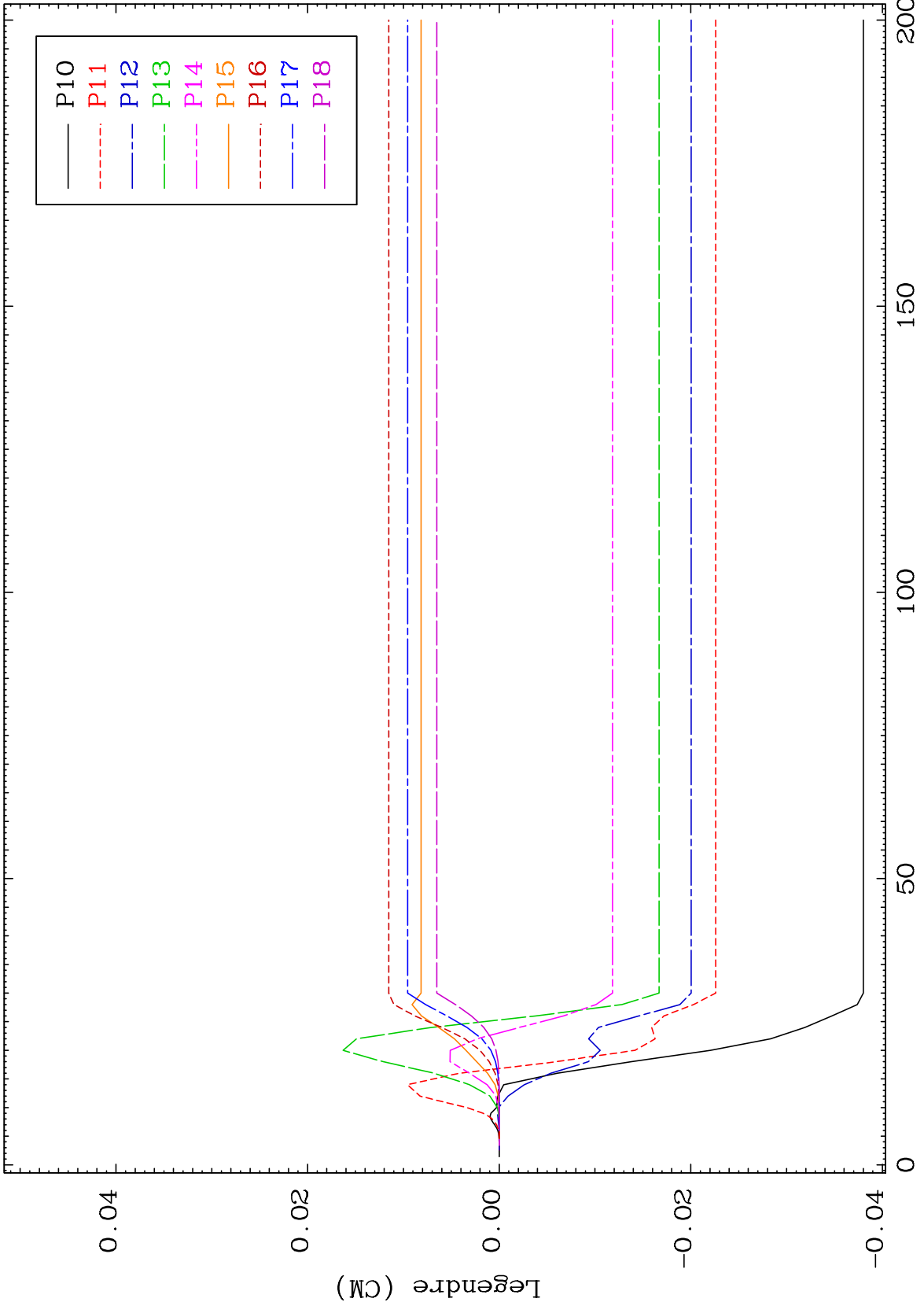
Incident Energy (MeV)

40-Zr-95



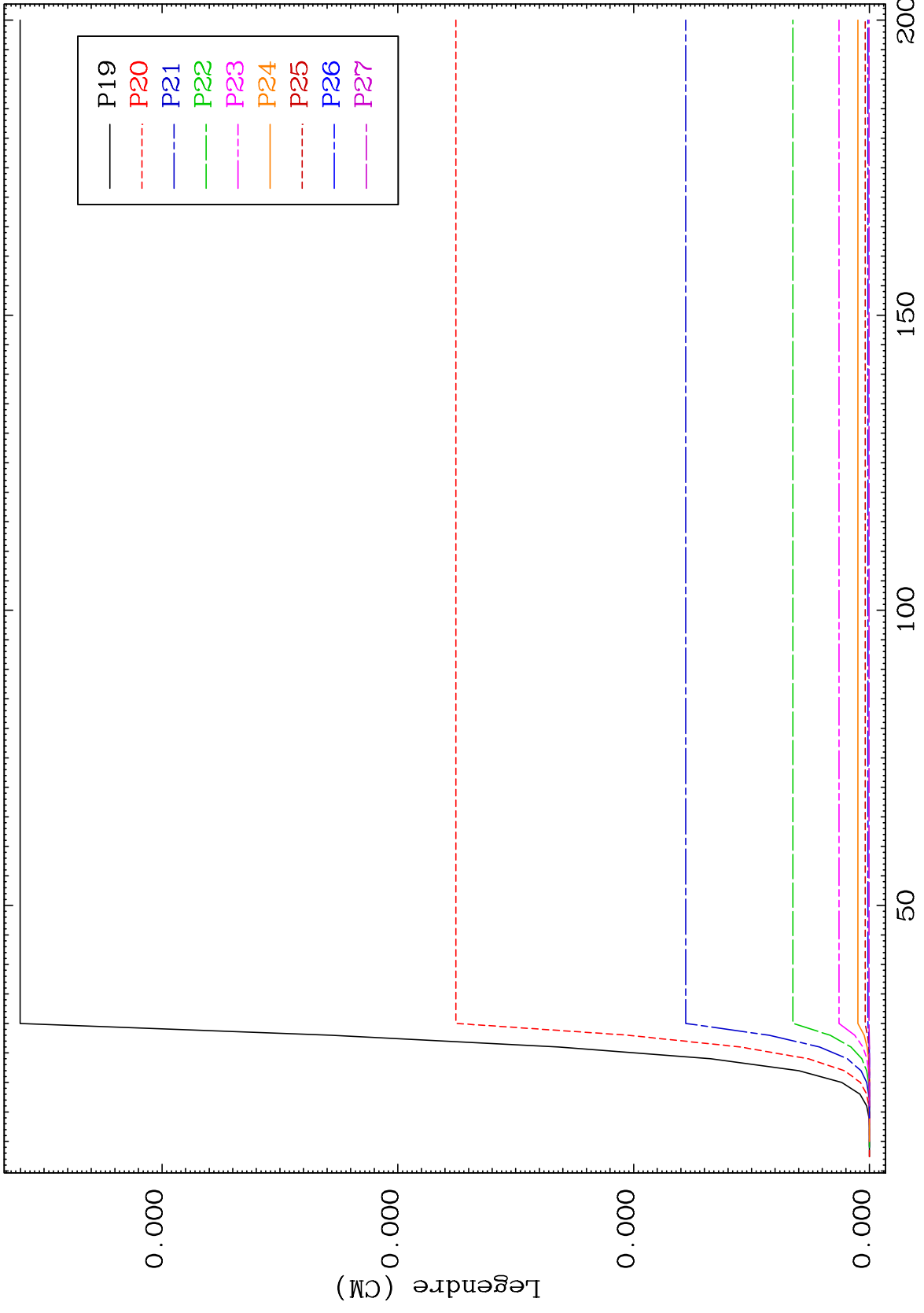


MAT 4040 MT= 51 (n,n') Level Legendre Coefficients 40-Zr-95



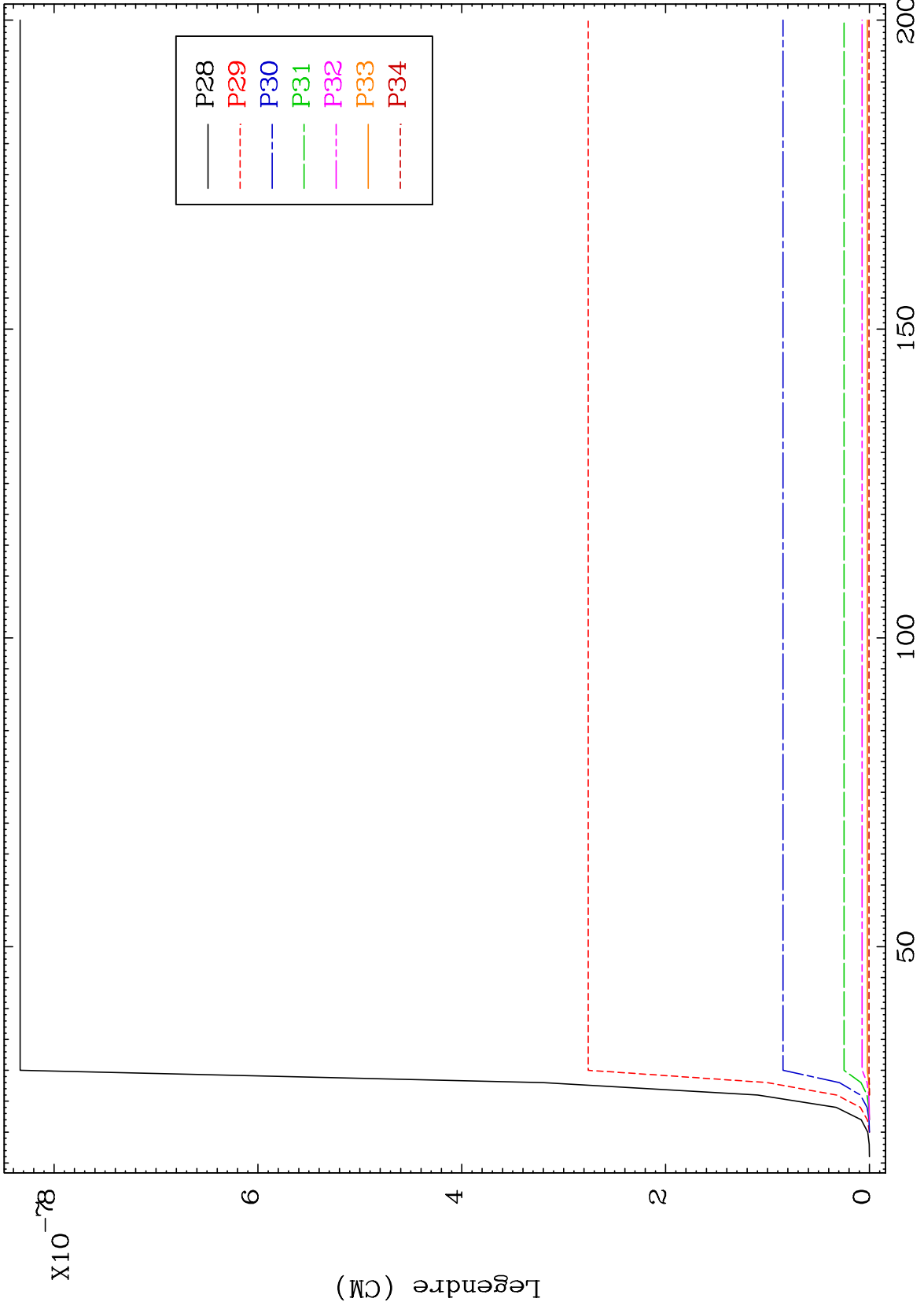
21 40-Zr-95

MAT 4040 MT= 51 (n,n') Level Legendre Coefficients 40-Zr-95



22 40-Zr-95

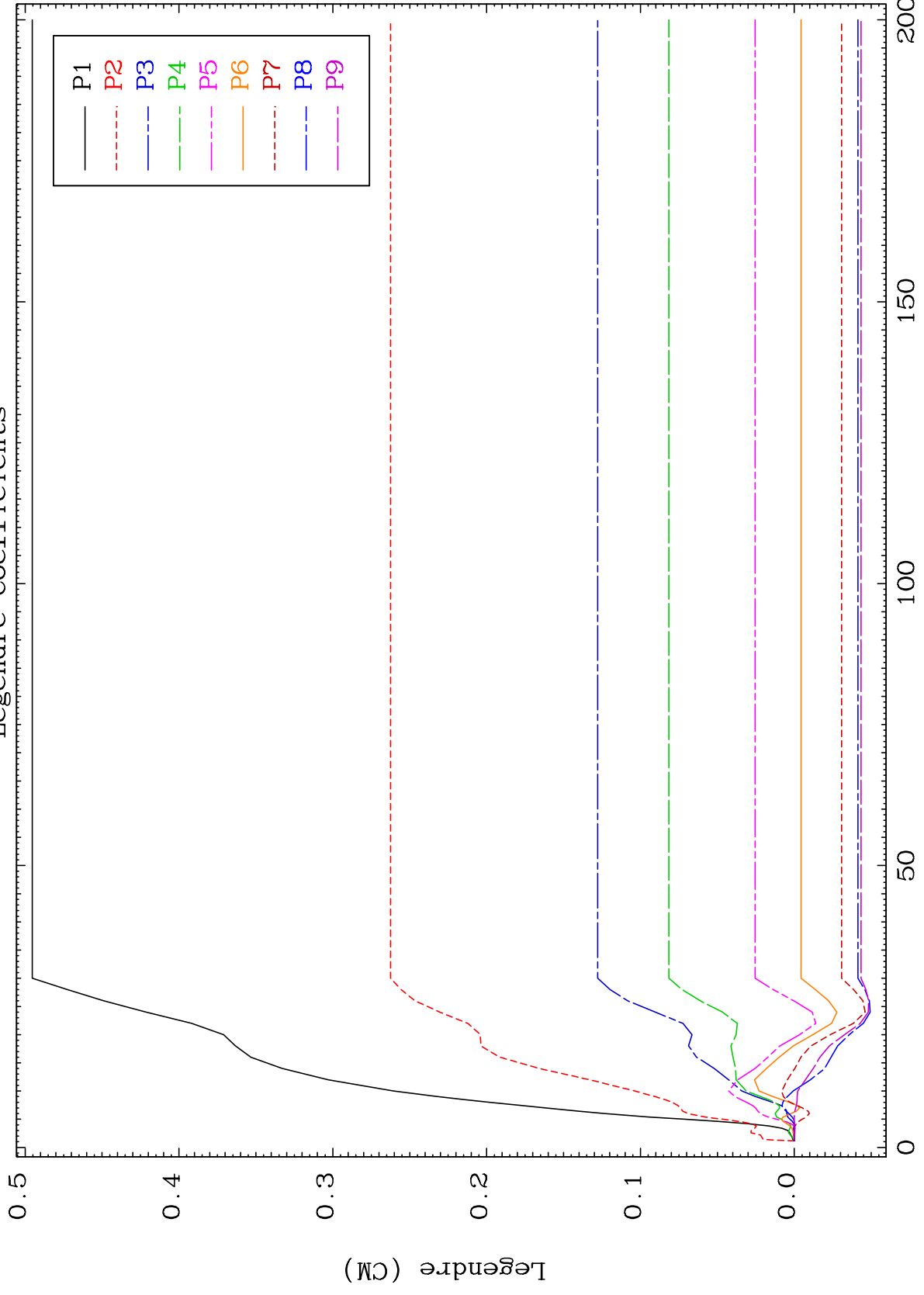
MAT 4040 MT= 51 (n,n') Level Legendre Coefficients 40-Zr-95



23 Incident Energy (MeV) 40-Zr-95

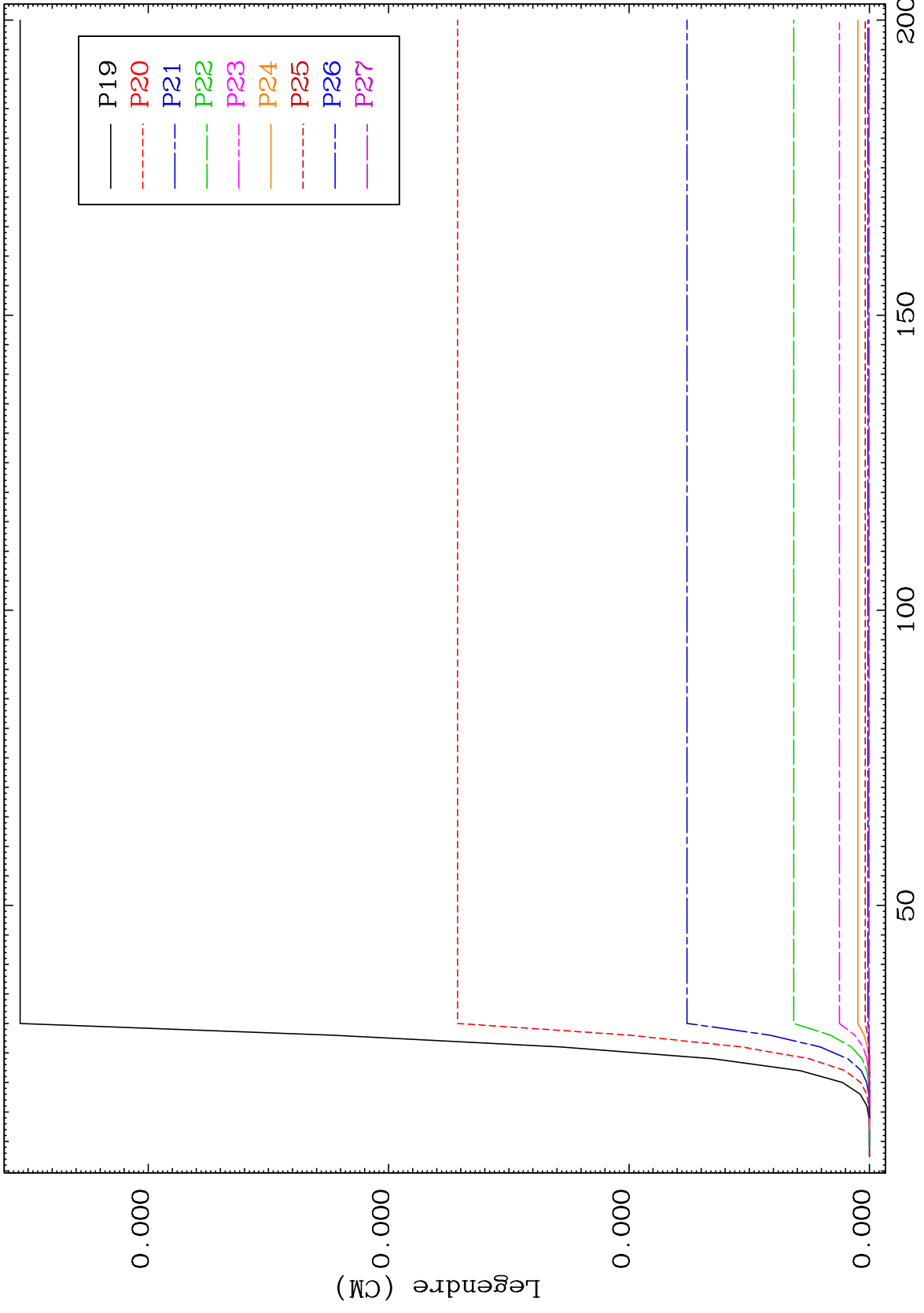


MAT 4040 MT= 52 (n,n') Level Legendre Coefficients 40-Zr-95

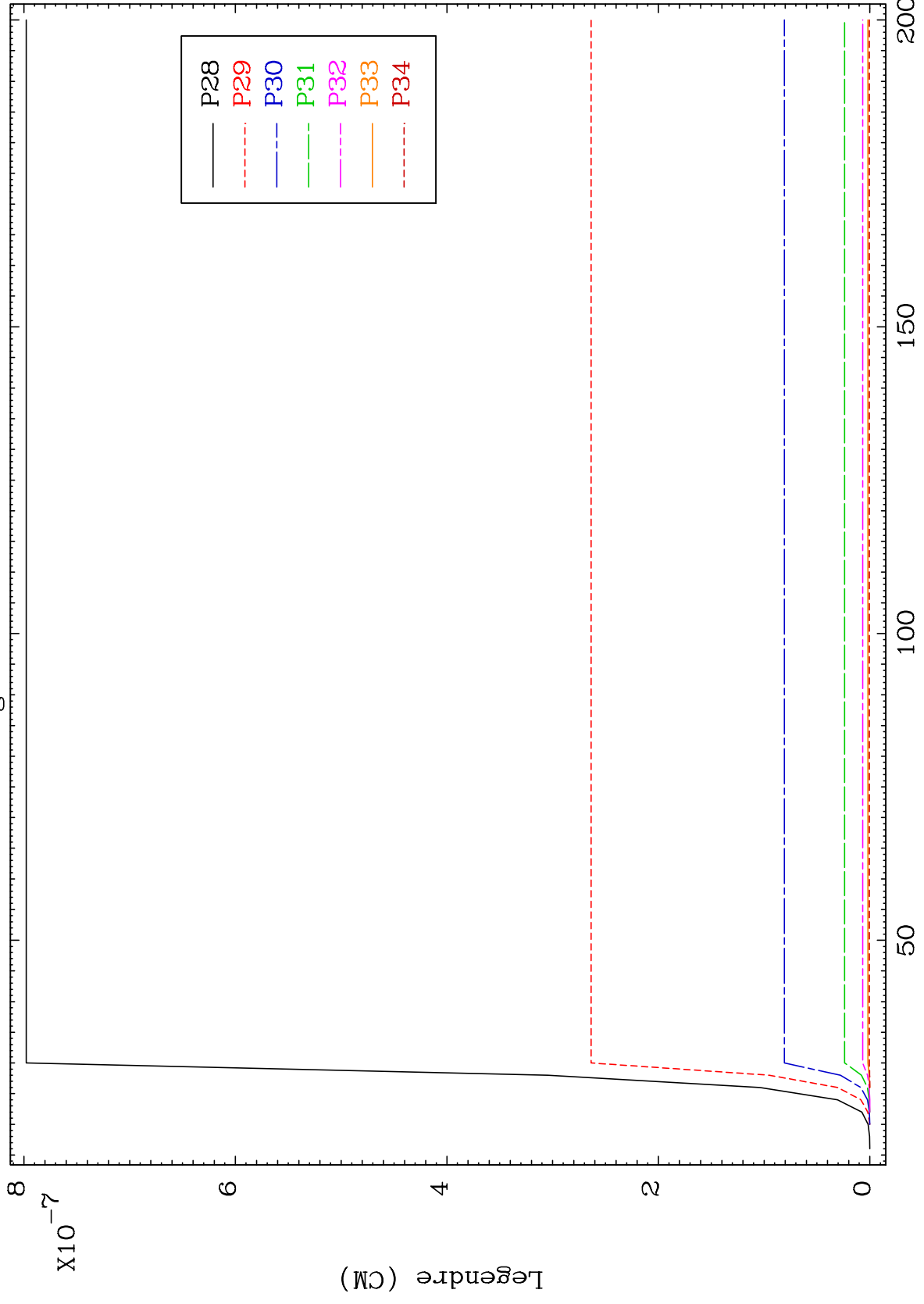




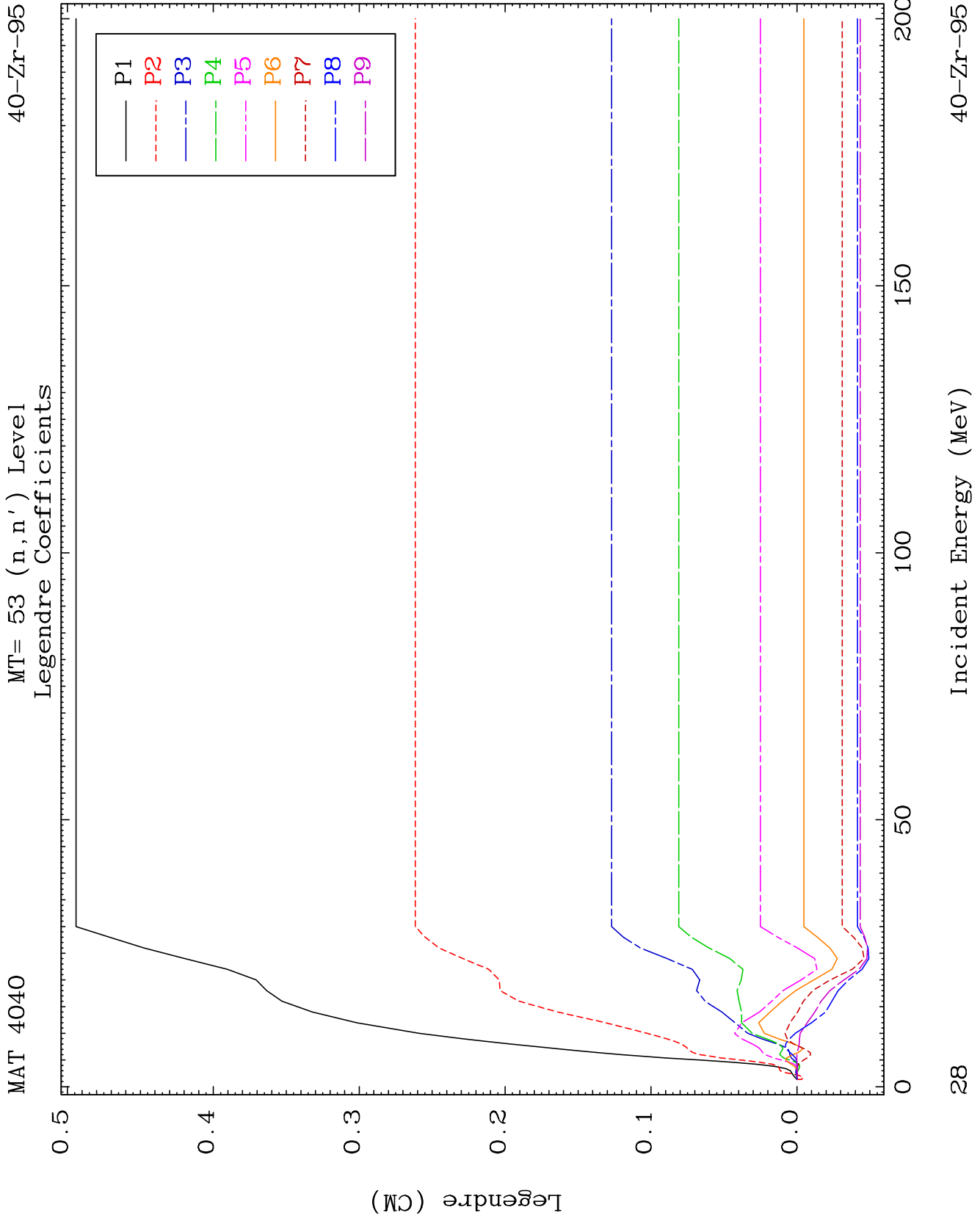
MAT 4040 MT= 52 (n,n') Level Legendre Coefficients 40-Zr-95



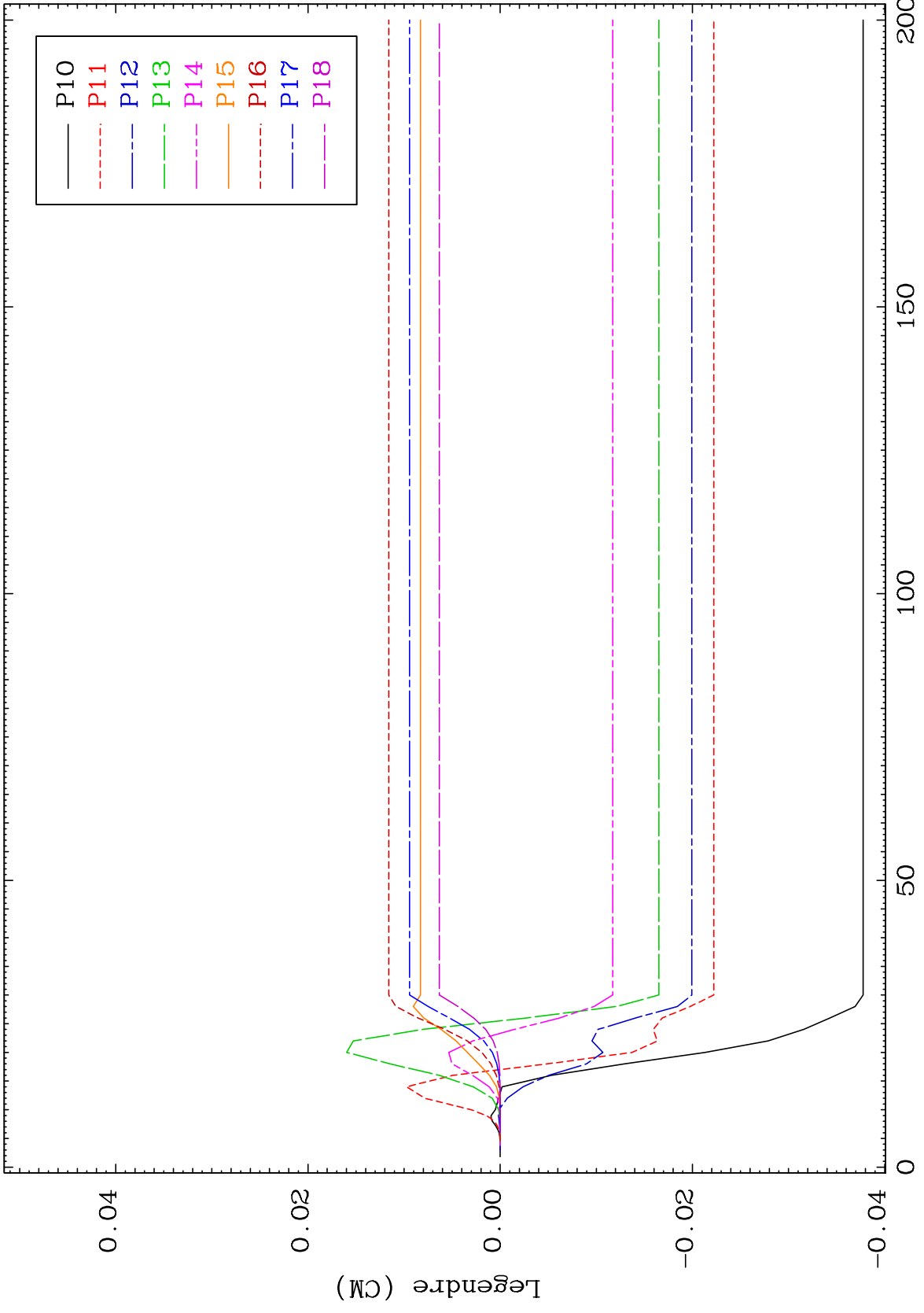
MAT 4040 MT= 52 (n,n') Level Legendre Coefficients 40-Zr-95



27 40-Zr-95

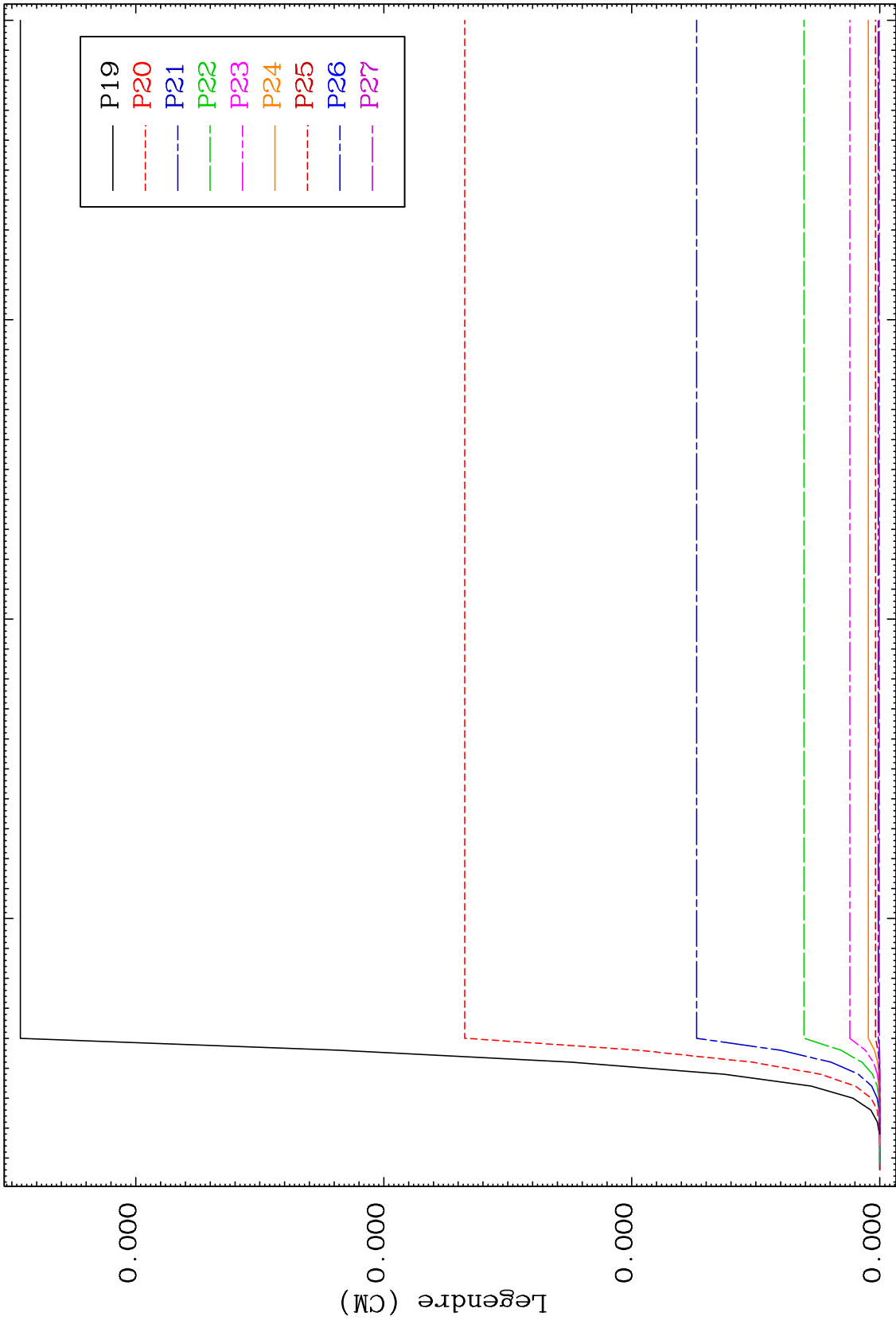


MAT 4040 MT= 53 (n,n') Level Legendre Coefficients 40-Zr-95



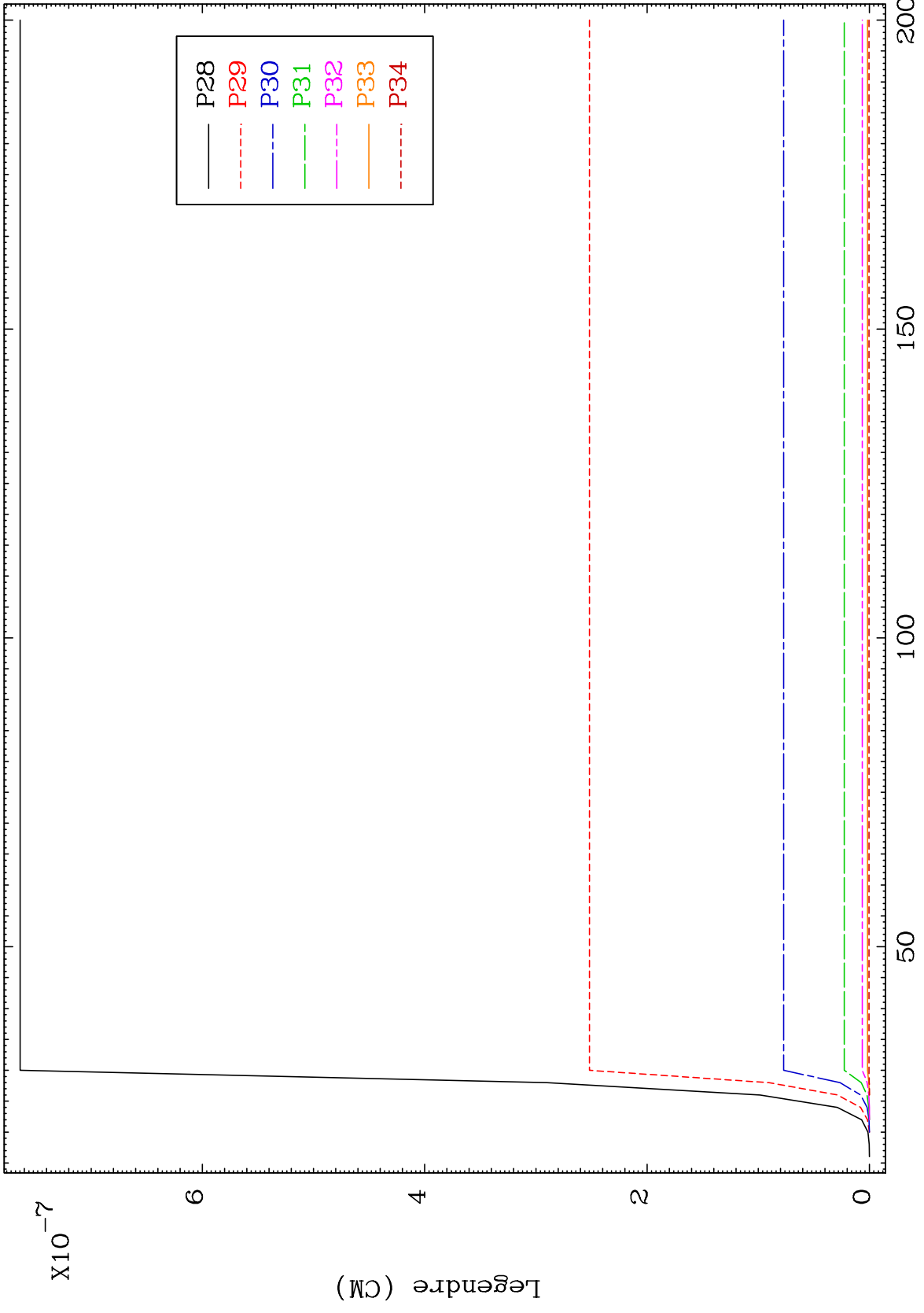
29 Incident Energy (MeV) 40-Zr-95

MAT 4040 MT= 53 (n,n') Level Legendre Coefficients 40-Zr-95



30 50 100 150 200 Incident Energy (MeV) 40-Zr-95

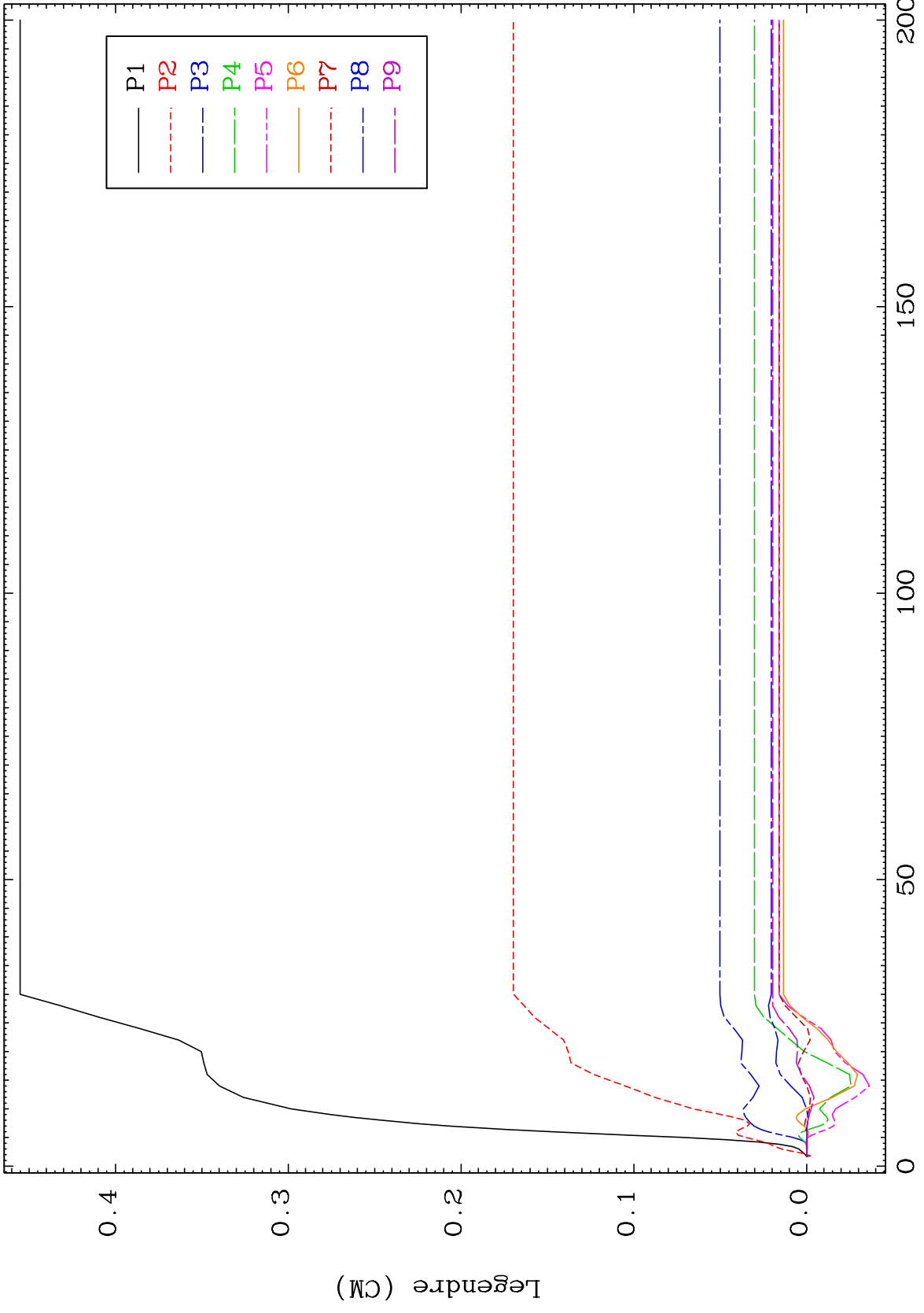
MAT 4040 MT= 53 (n,n') Level Legendre Coefficients 40-Zr-95



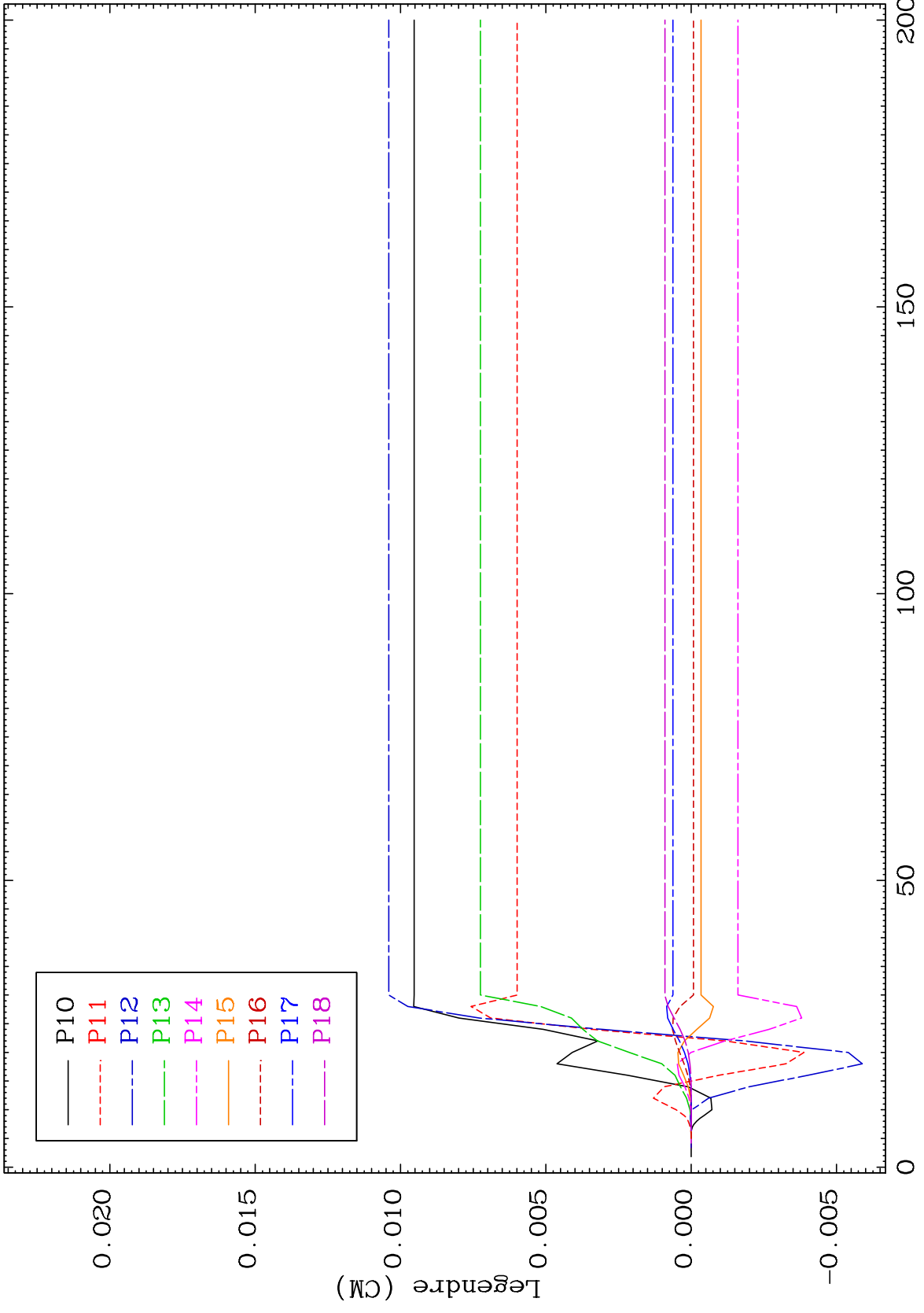
31 40-Zr-95



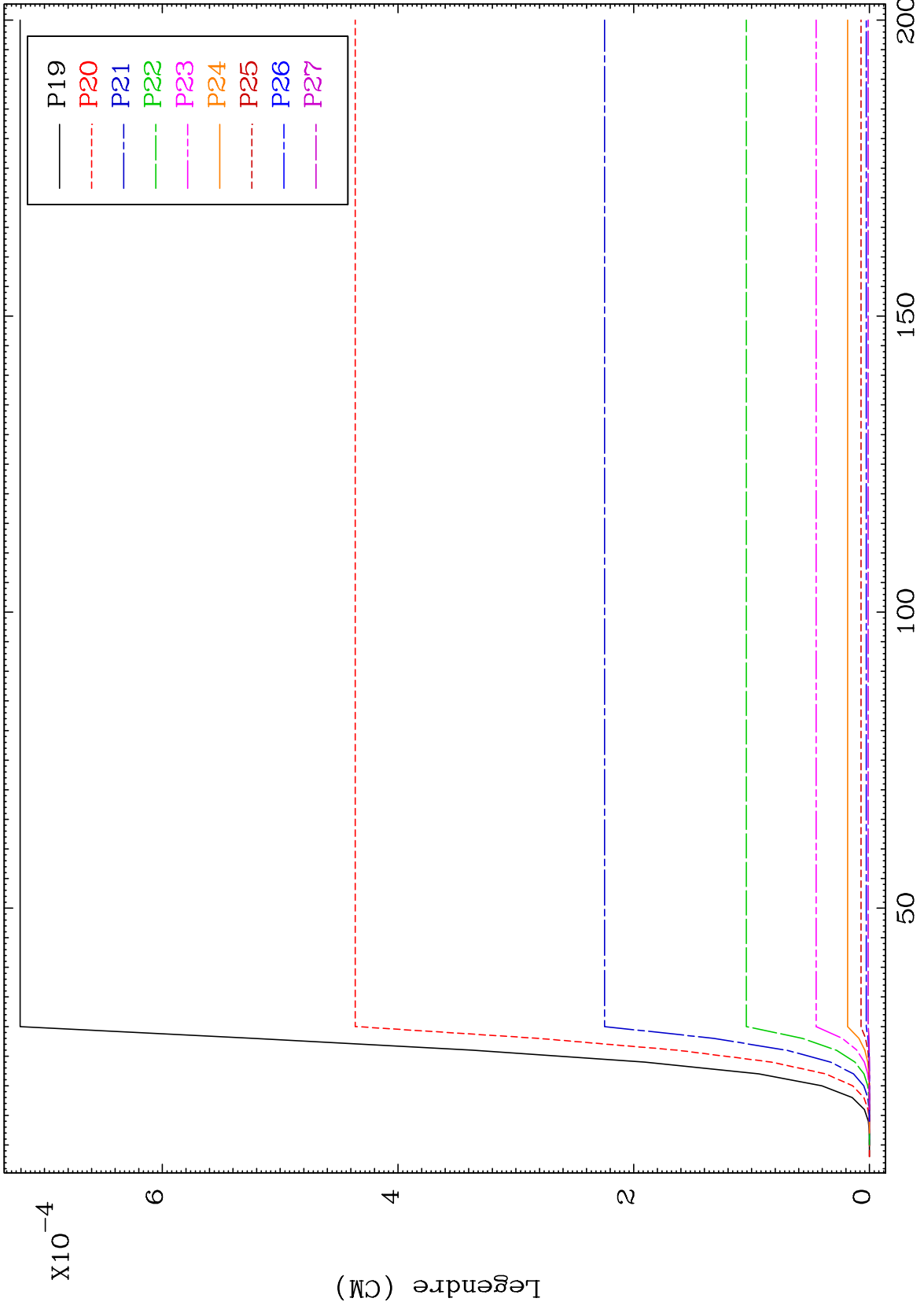
MAT 4040 MT= 54 (n,n') Level Legendre Coefficients 40-Zr-95



32 Incident Energy (MeV) 40-Zr-95

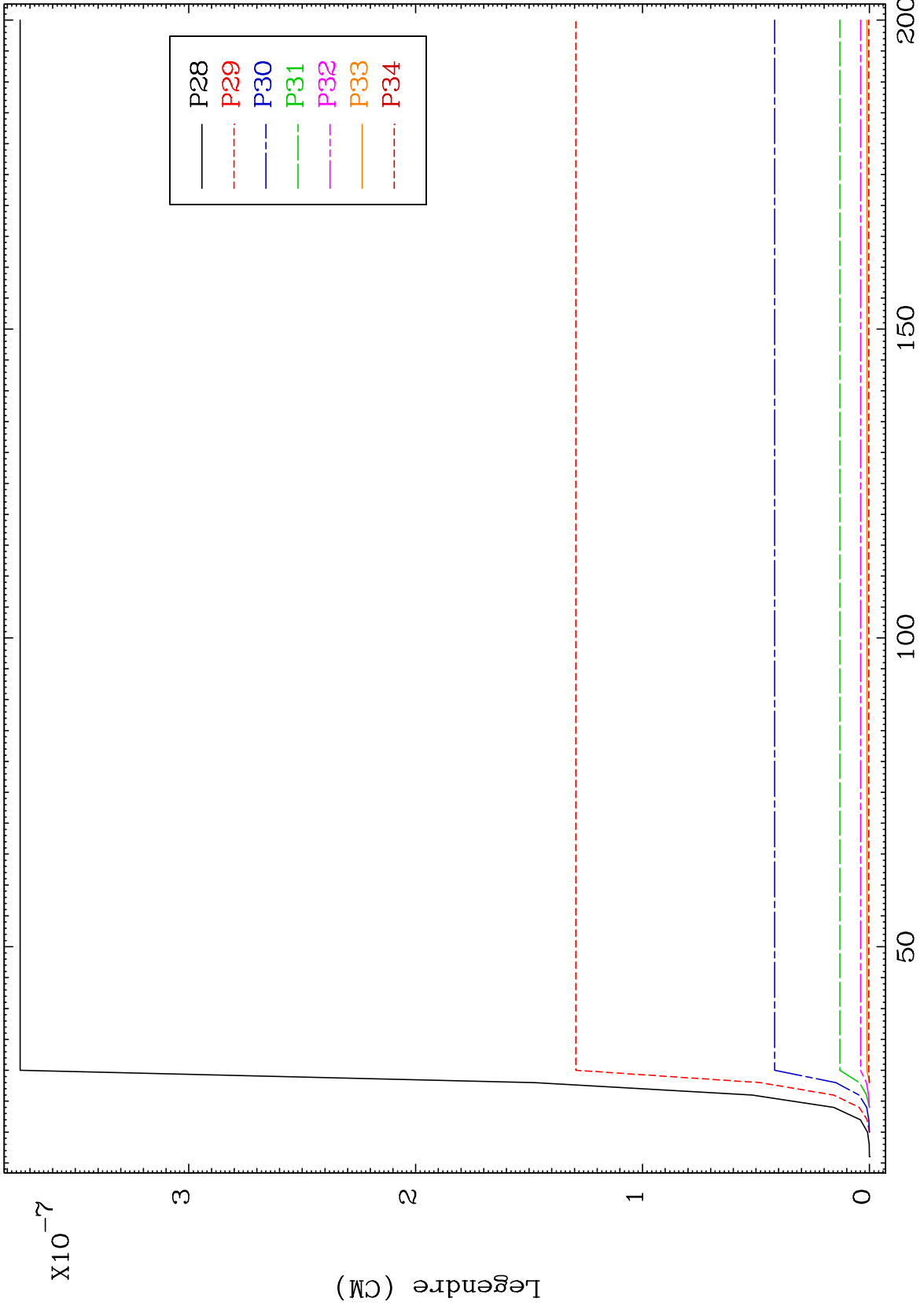


MAT 4040 MT= 54 (n,n') Level Legendre Coefficients 40-Zr-95

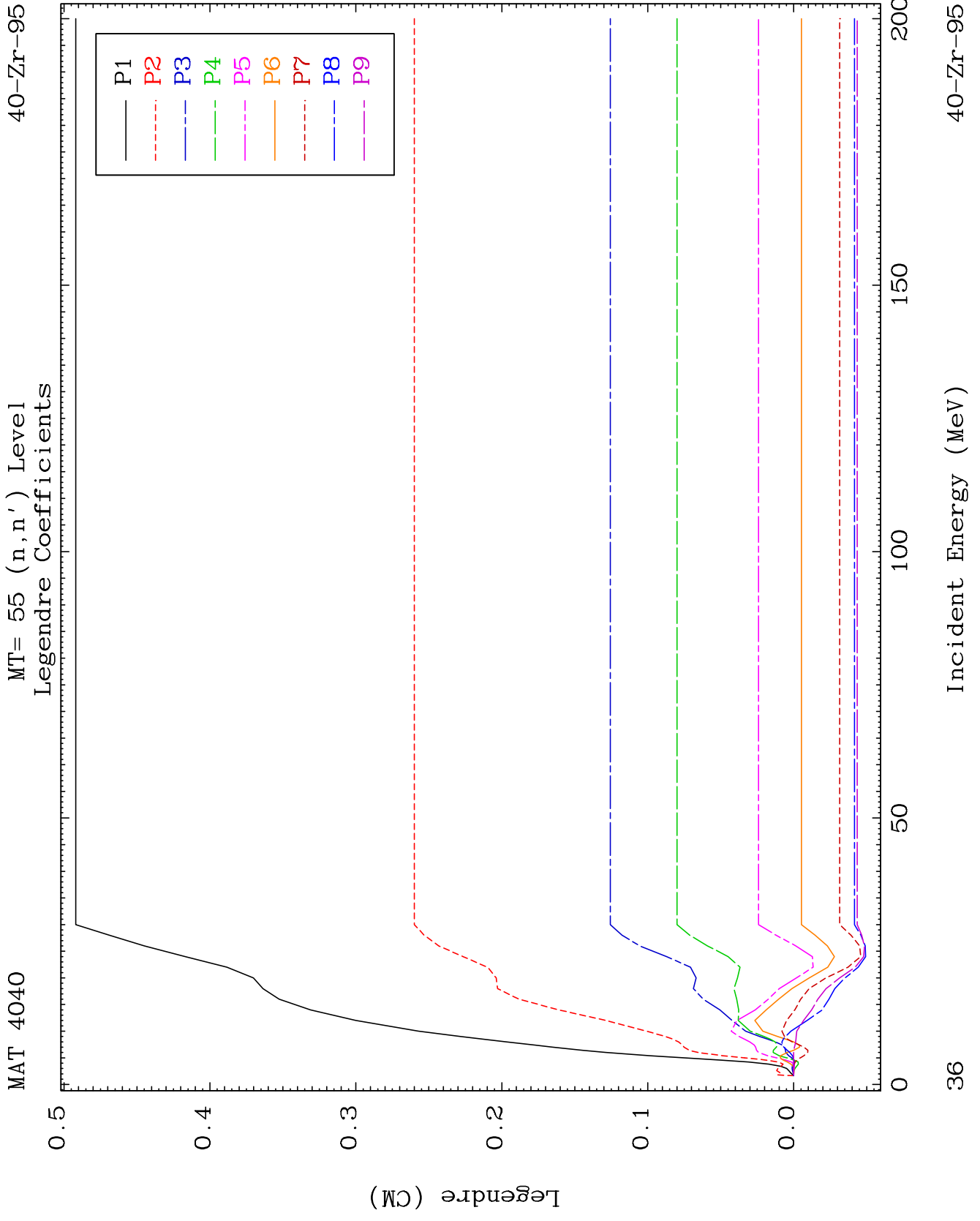


34 Incident Energy (MeV) 40-Zr-95

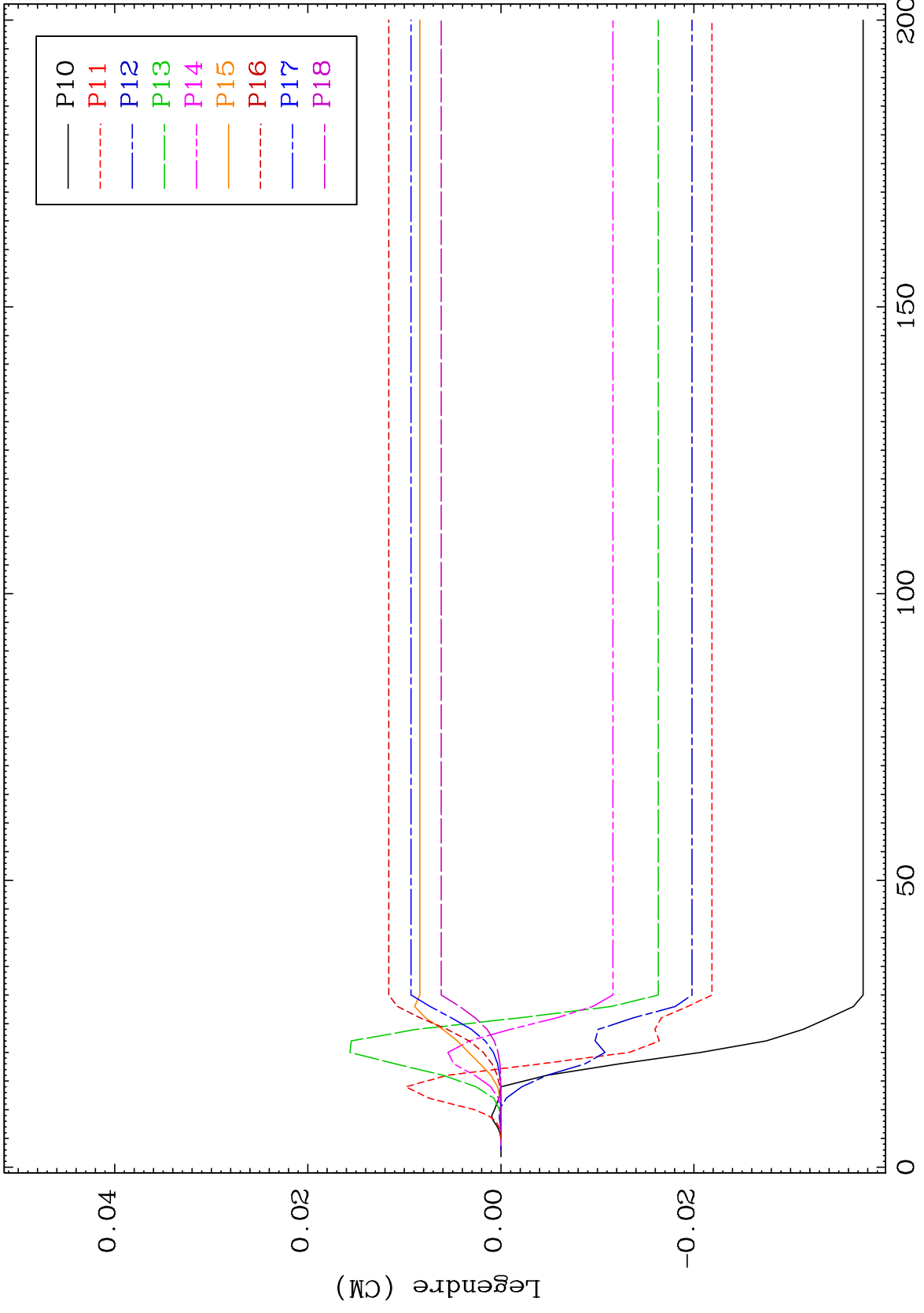
MAT 4040 MT= 54 (n,n') Level Legendre Coefficients 40-Zr-95



35 50 100 150 200 40-Zr-95

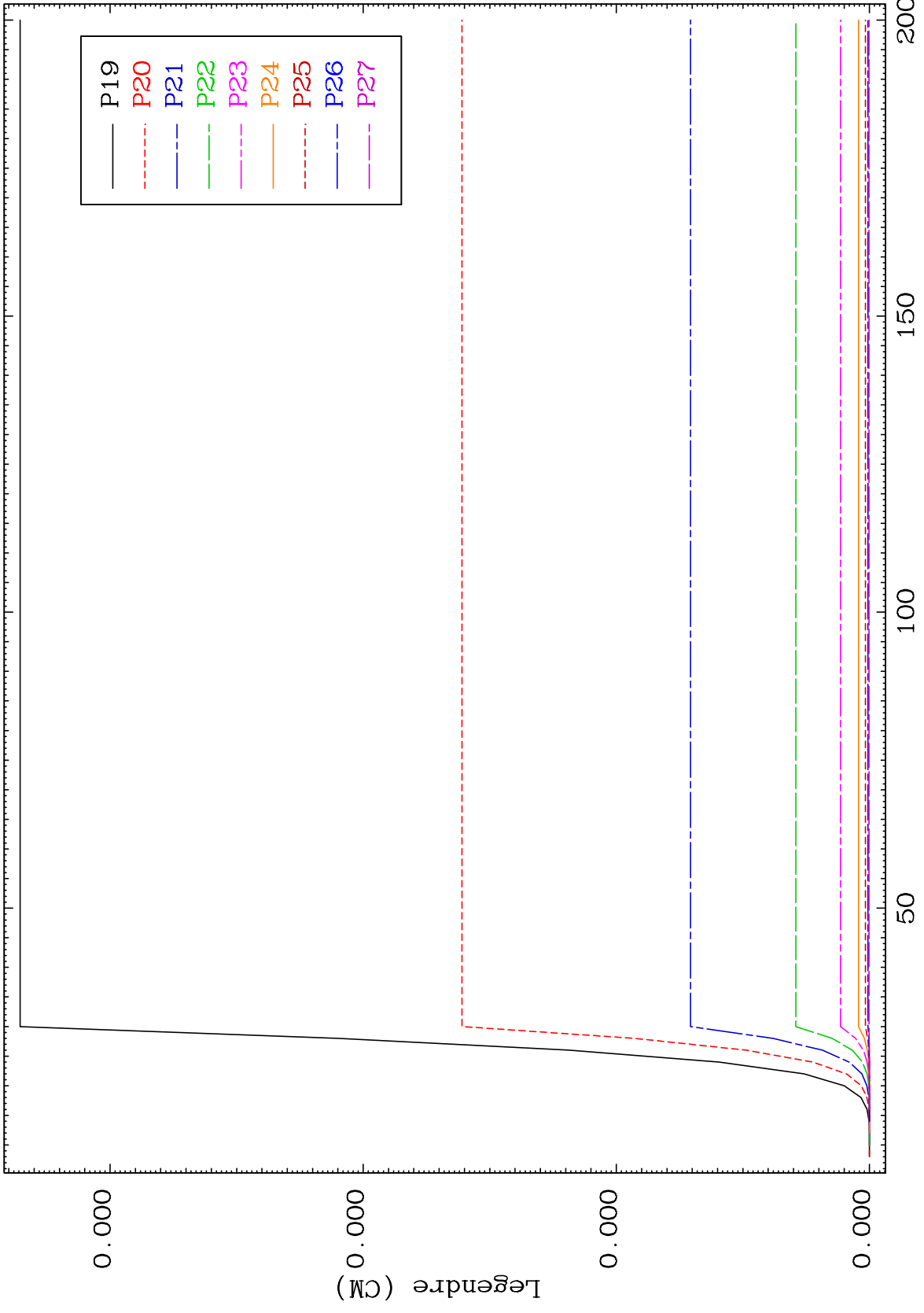


MAT 4040 MT= 55 (n,n') Level Legendre Coefficients 40-Zr-95



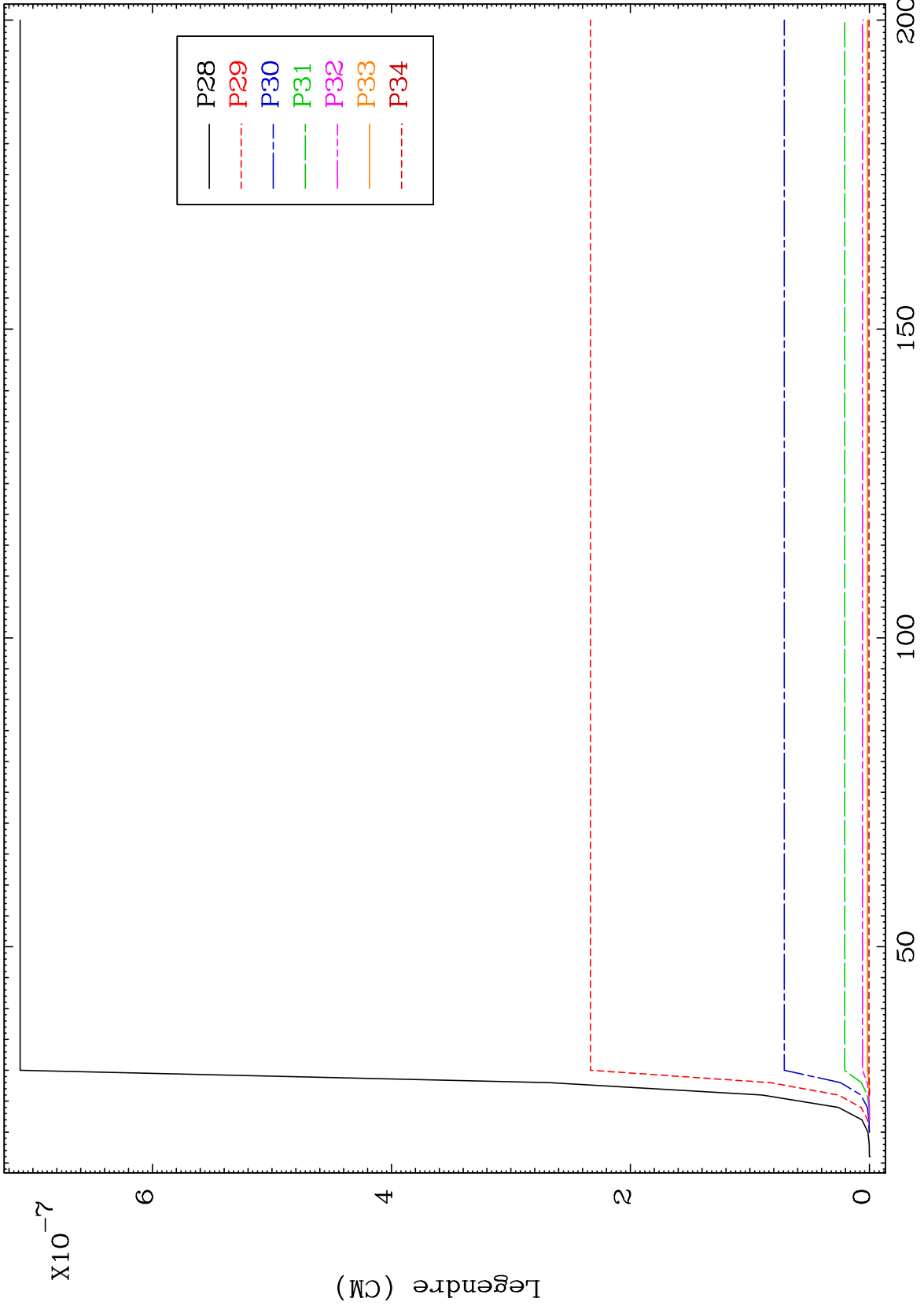
37 40-Zr-95

MAT 4040 MT= 55 (n,n') Level Legendre Coefficients 40-Zr-95



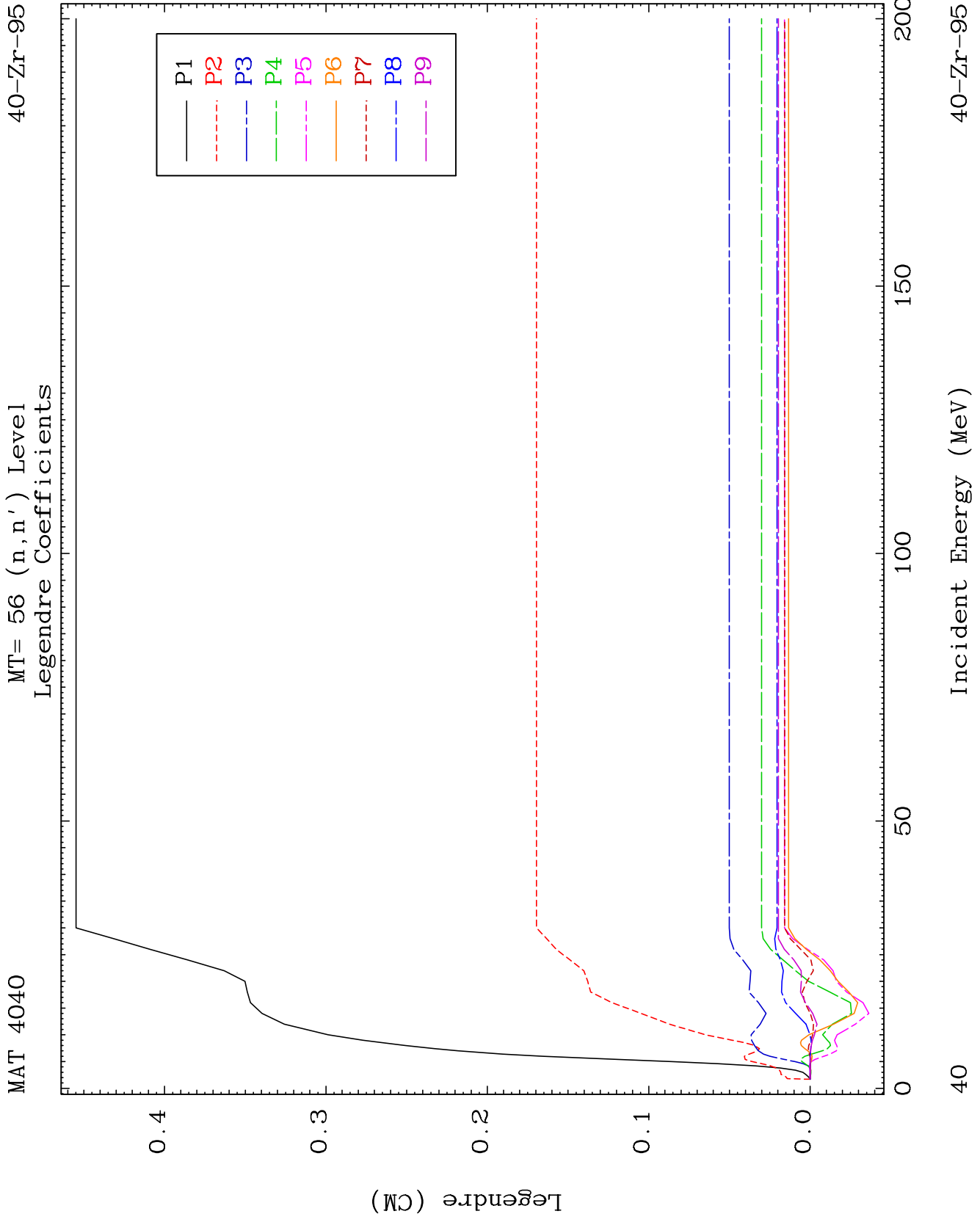
38 40-Zr-95

MAT 4040 MT= 55 (n,n') Level Legendre Coefficients 40-Zr-95



39 40-Zr-95

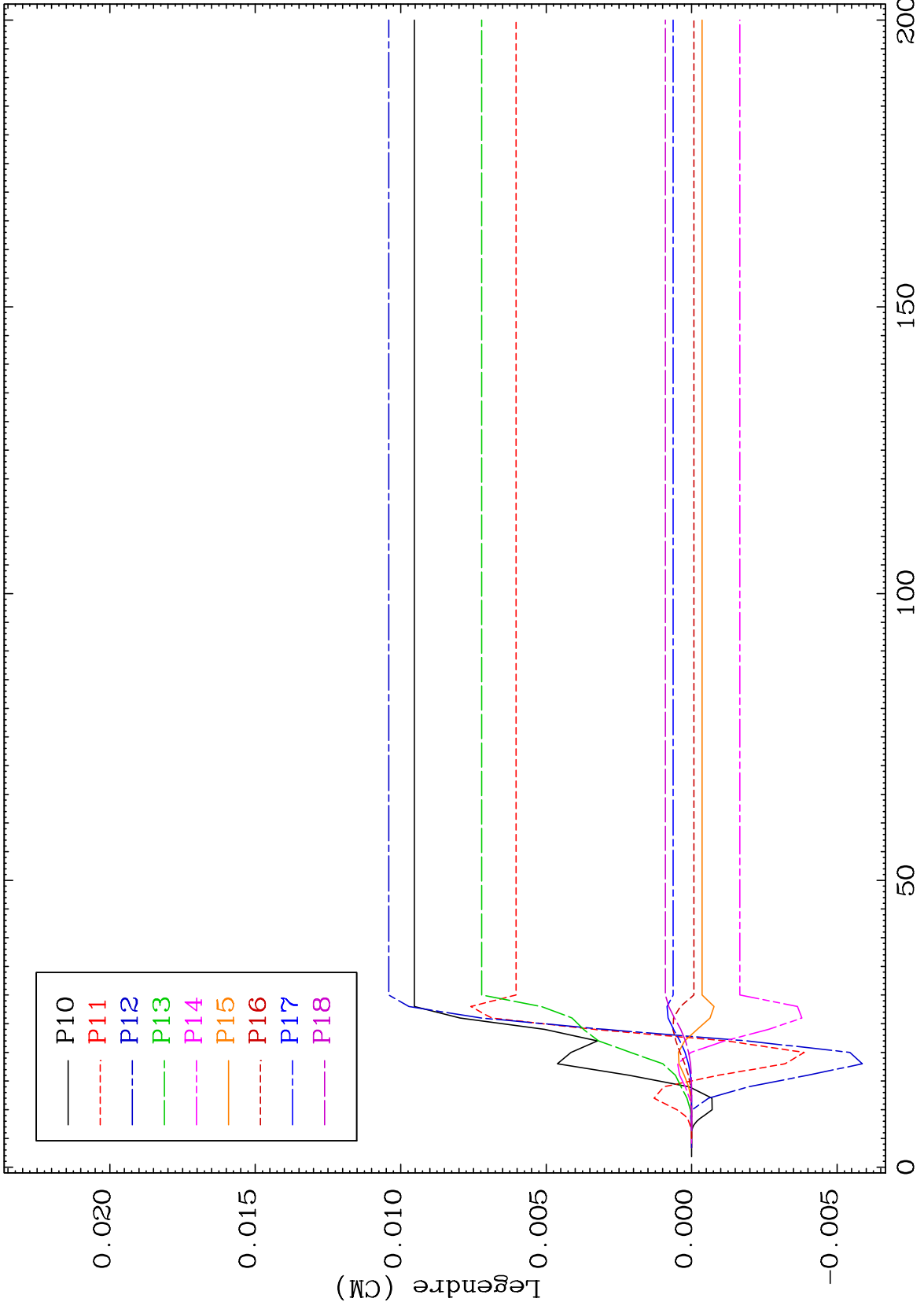




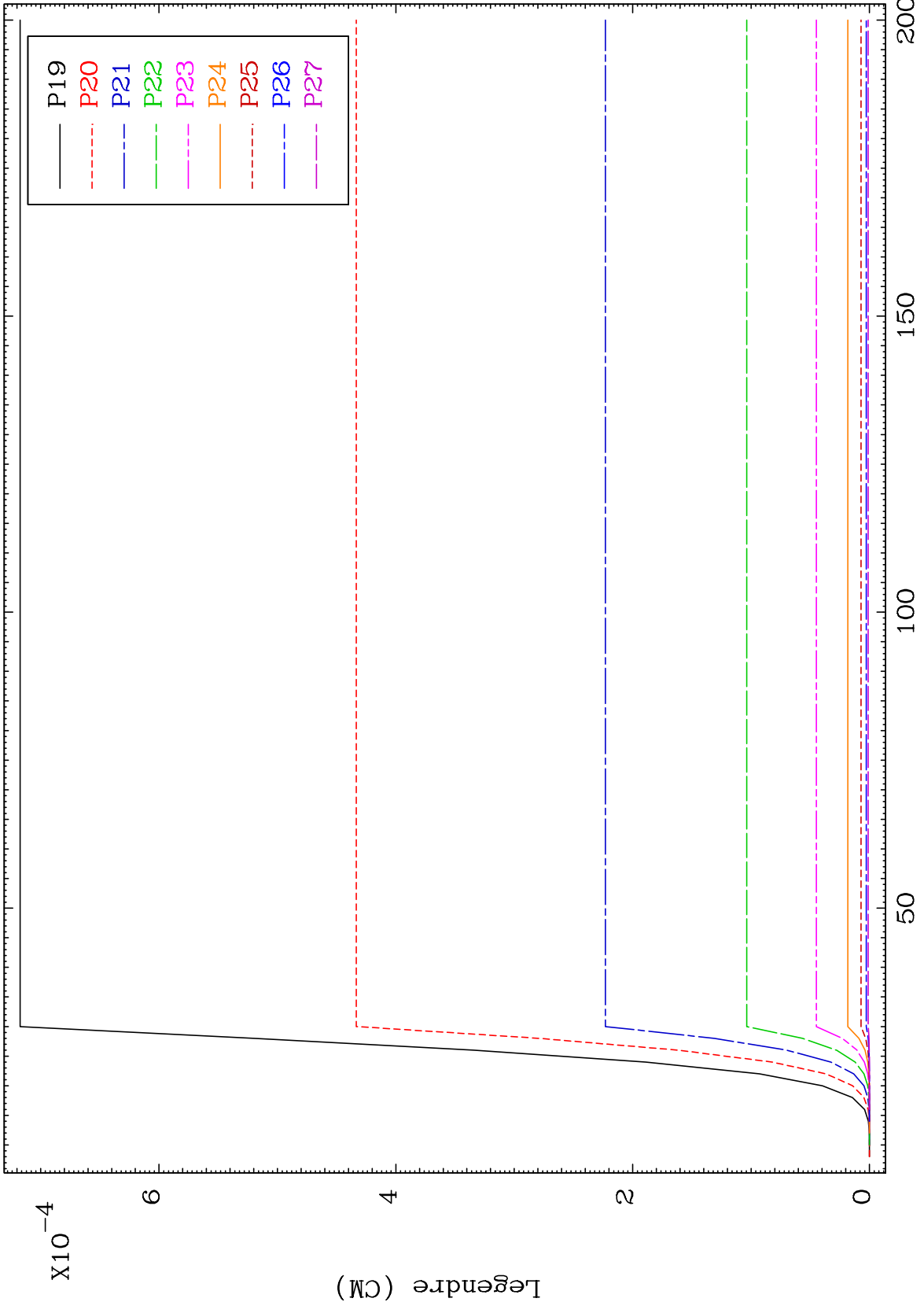
MAT 4040

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

40-Zr-95

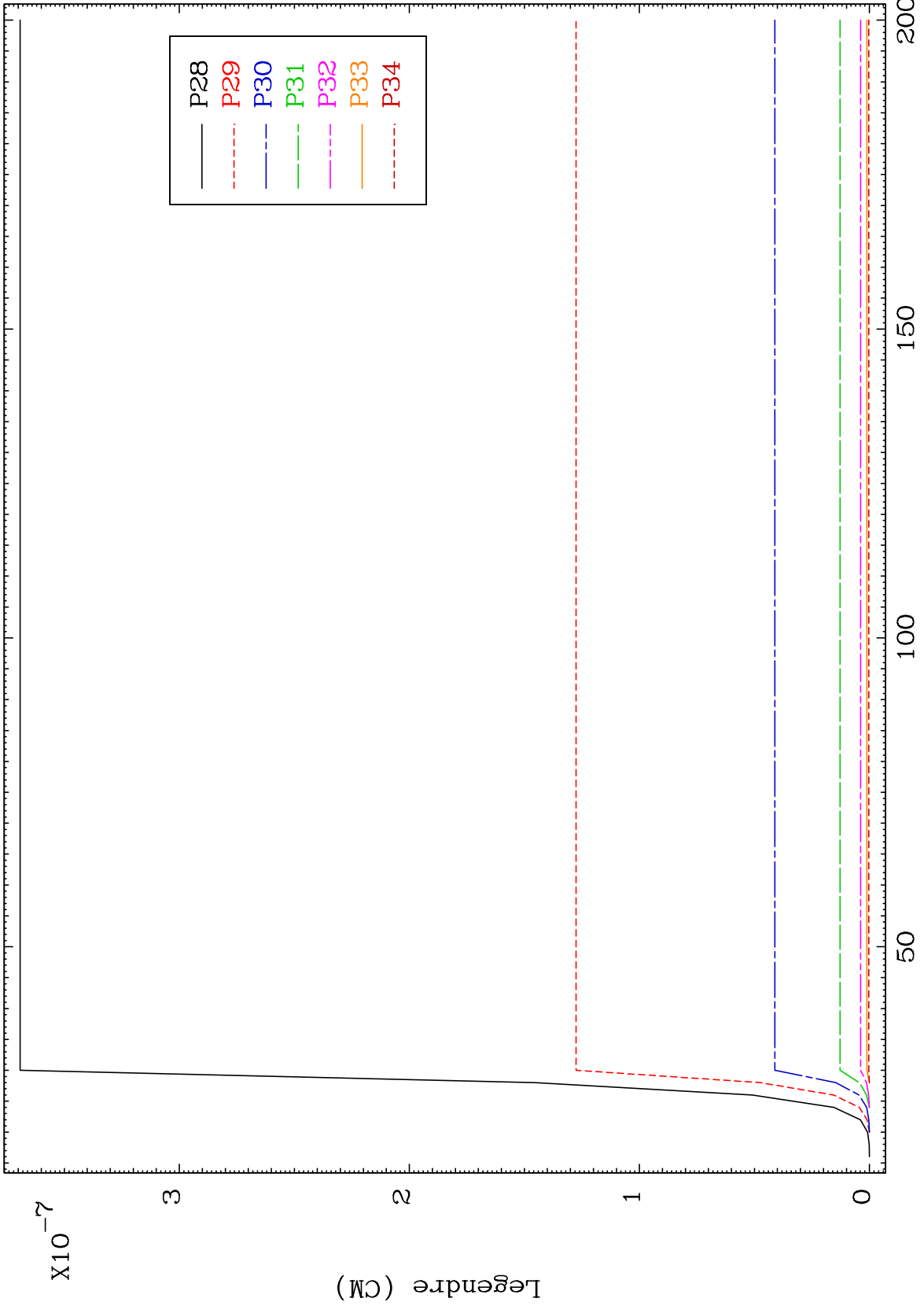


MAT 4040 MT= 56 (n,n') Level Legendre Coefficients 40-Zr-95



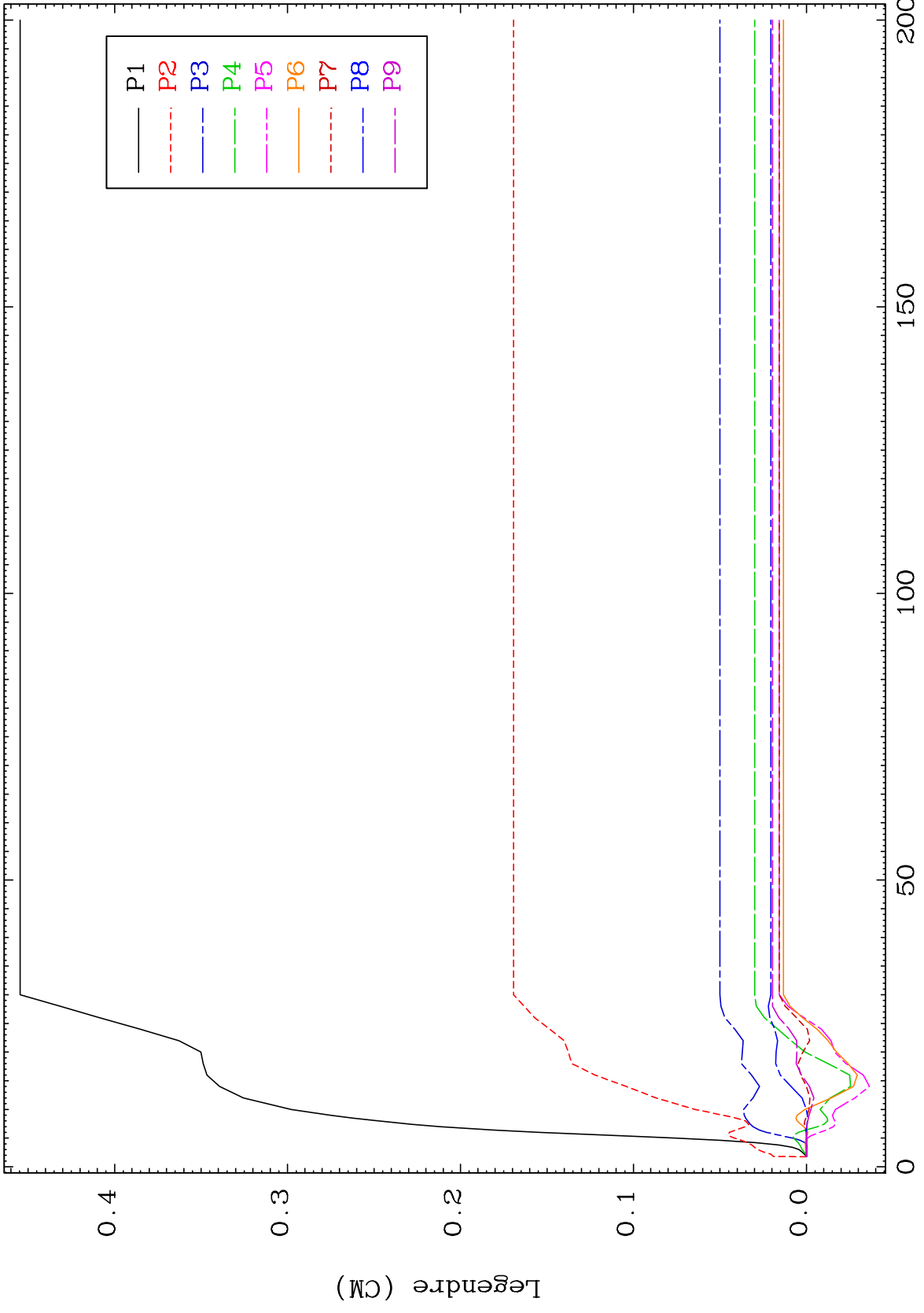
42 Incident Energy (MeV) 40-Zr-95

MAT 4040 MT= 56 (n,n') Level Legendre Coefficients 40-Zr-95



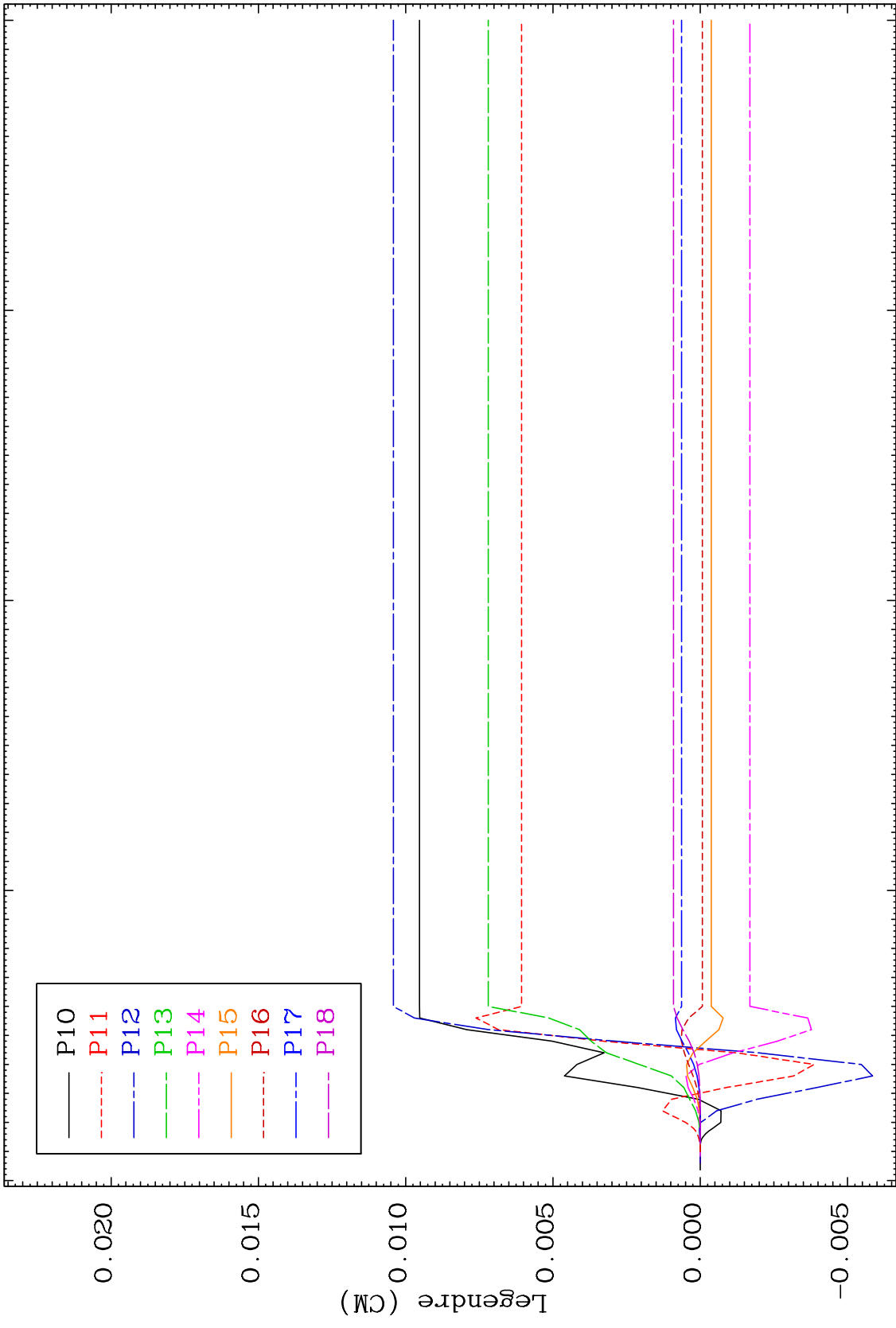
43 40-Zr-95

MAT 4040 MT= 57 (n,n') Level Legendre Coefficients 40-Zr-95



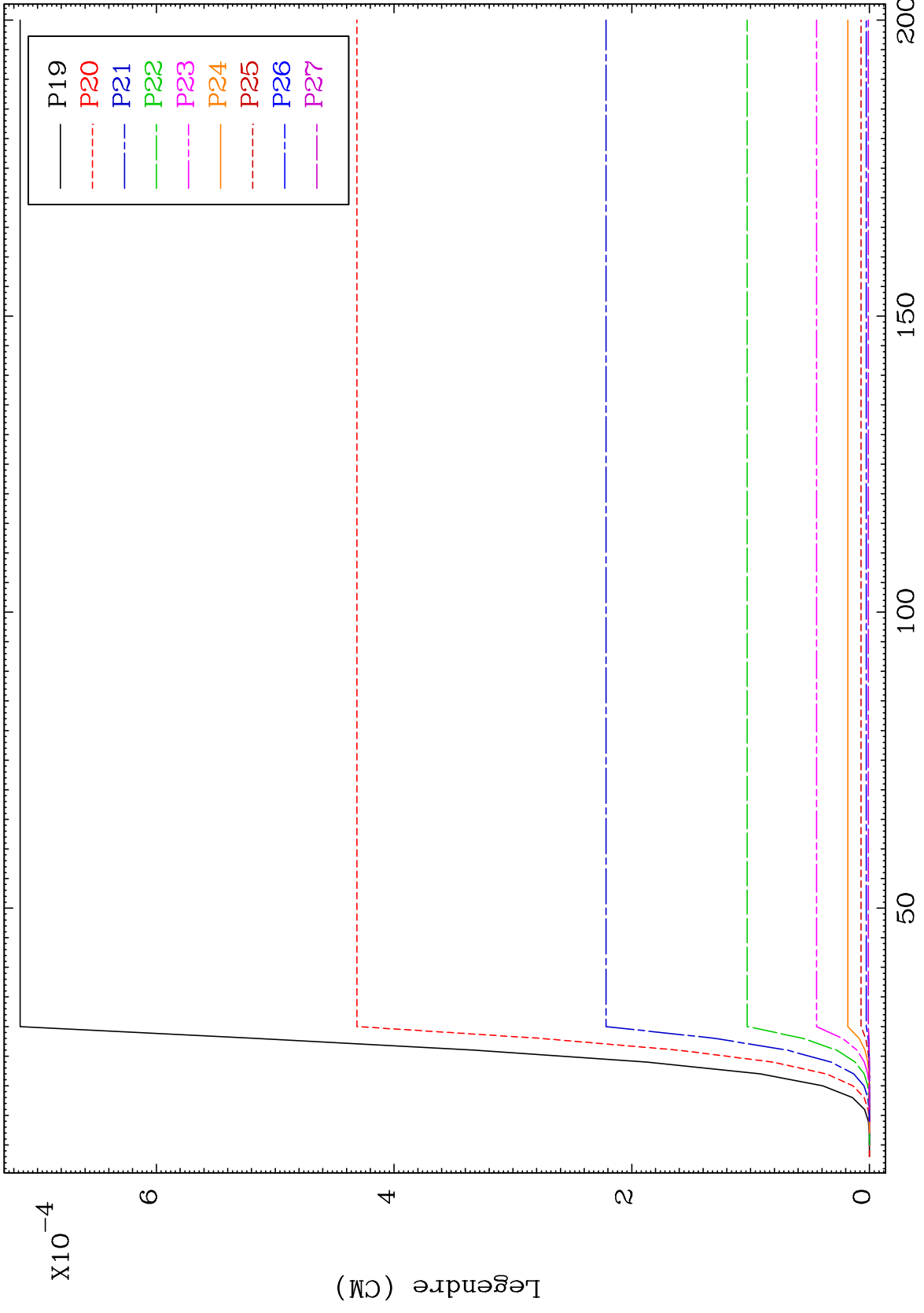
44 40-Zr-95

MAT 4040 MT= 57 (n,n') Level Legendre Coefficients 40-Zr-95



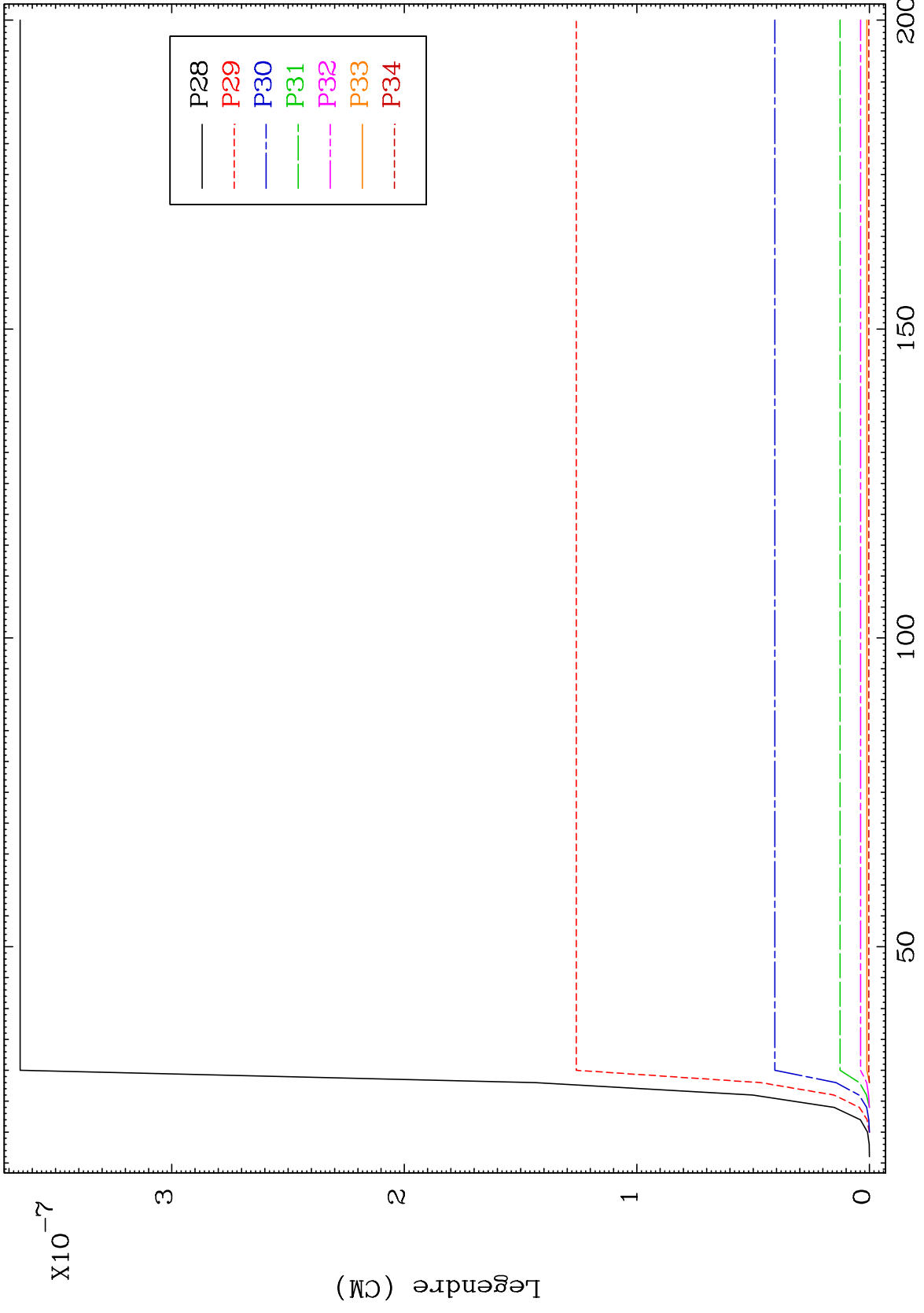
45 Incident Energy (MeV) 40-Zr-95

MAT 4040 MT= 57 (n,n') Level Legendre Coefficients 40-Zr-95



46 50 100 150 200 40-Zr-95

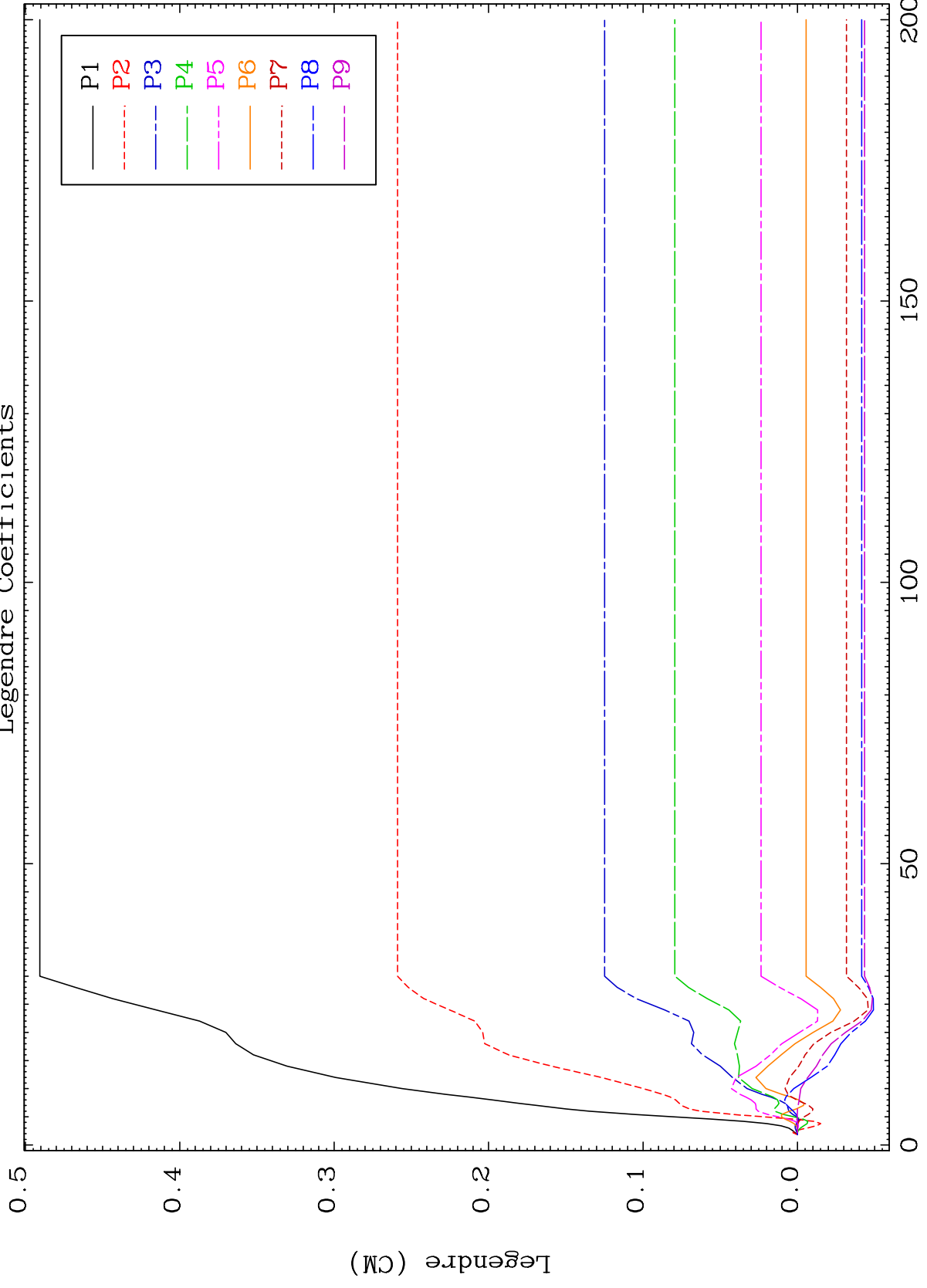
MAT 4040 MT= 57 (n,n') Level Legendre Coefficients 40-Zr-95



47 50 100 150 200 40-Zr-95

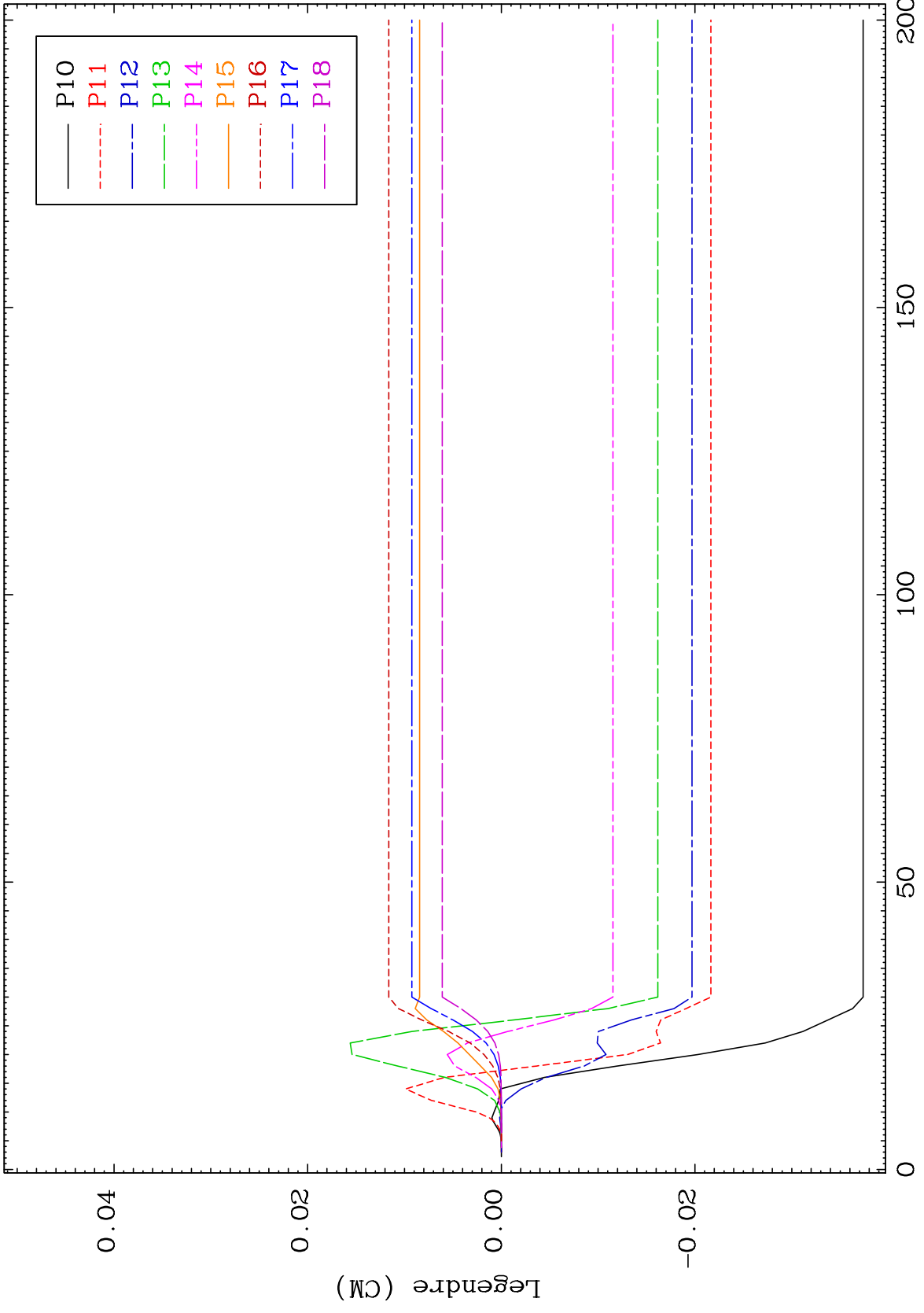


MAT 4040 MT= 58 (n,n') Level Legendre Coefficients 40-Zr-95



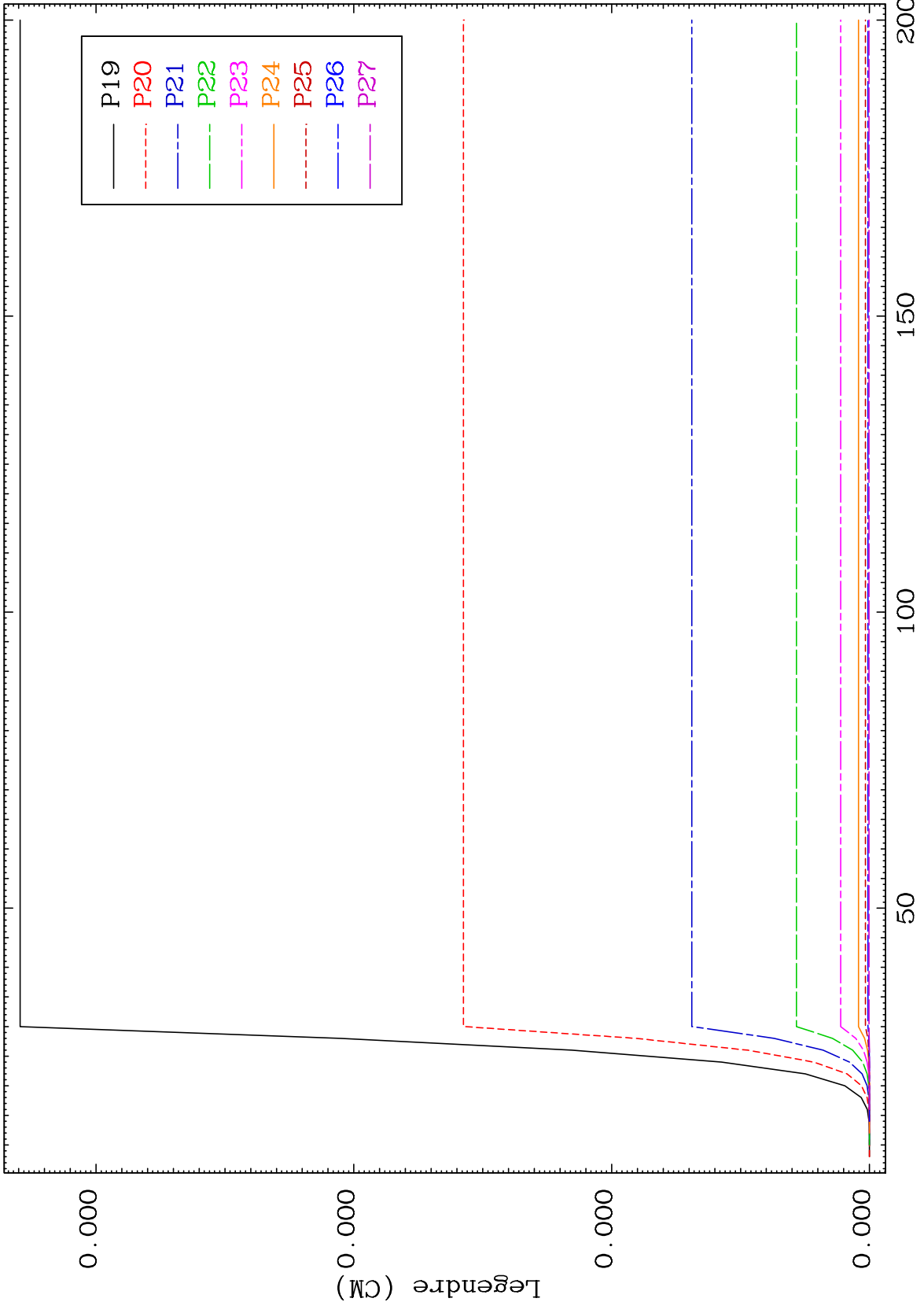
48 40-Zr-95

MAT 4040 MT= 58 (n,n') Level Legendre Coefficients 40-Zr-95



49 40-Zr-95

MAT 4040 MT= 58 (n,n') Level Legendre Coefficients 40-Zr-95

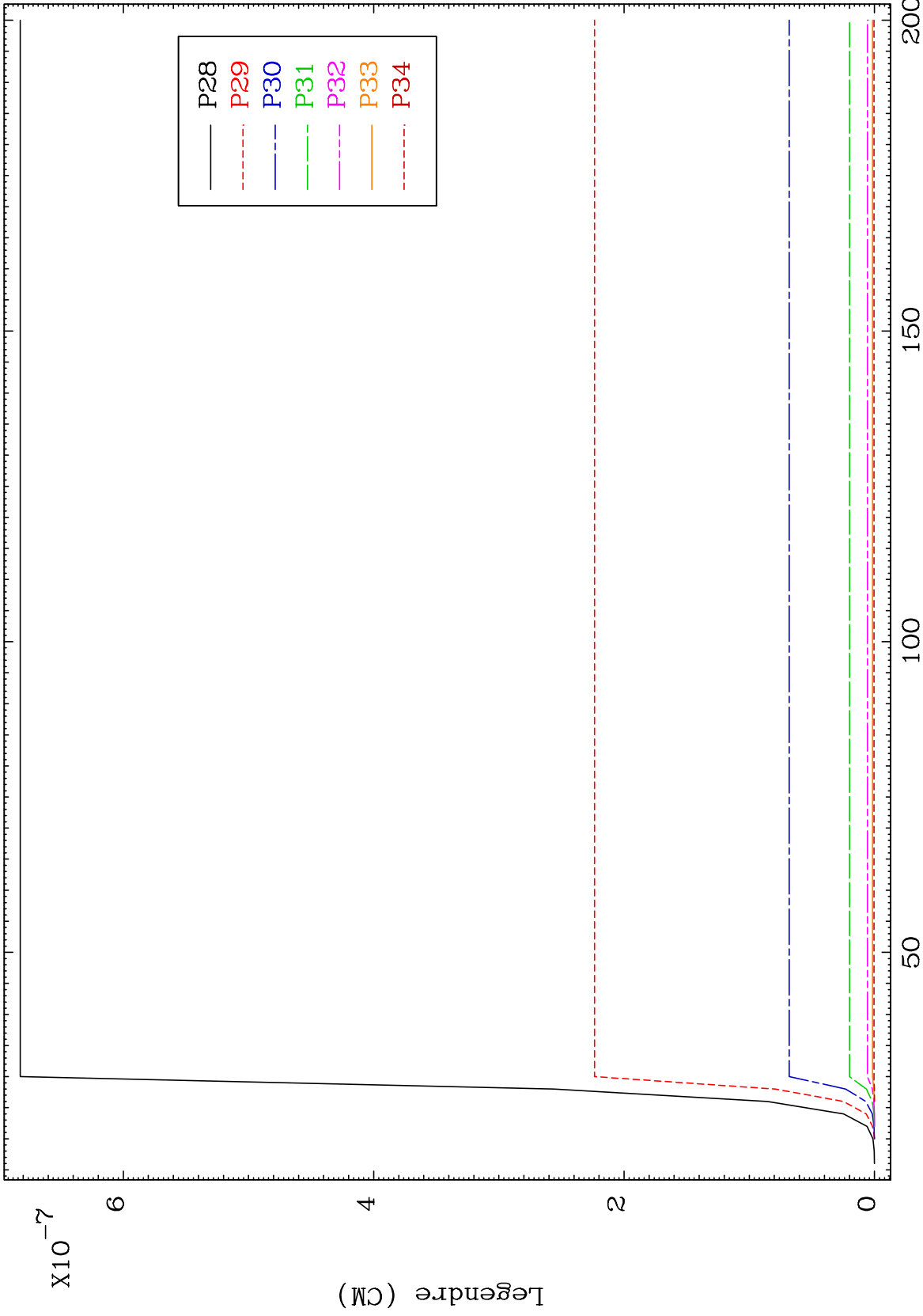


Incident Energy (MeV) 40-Zr-95

MAT 4040

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

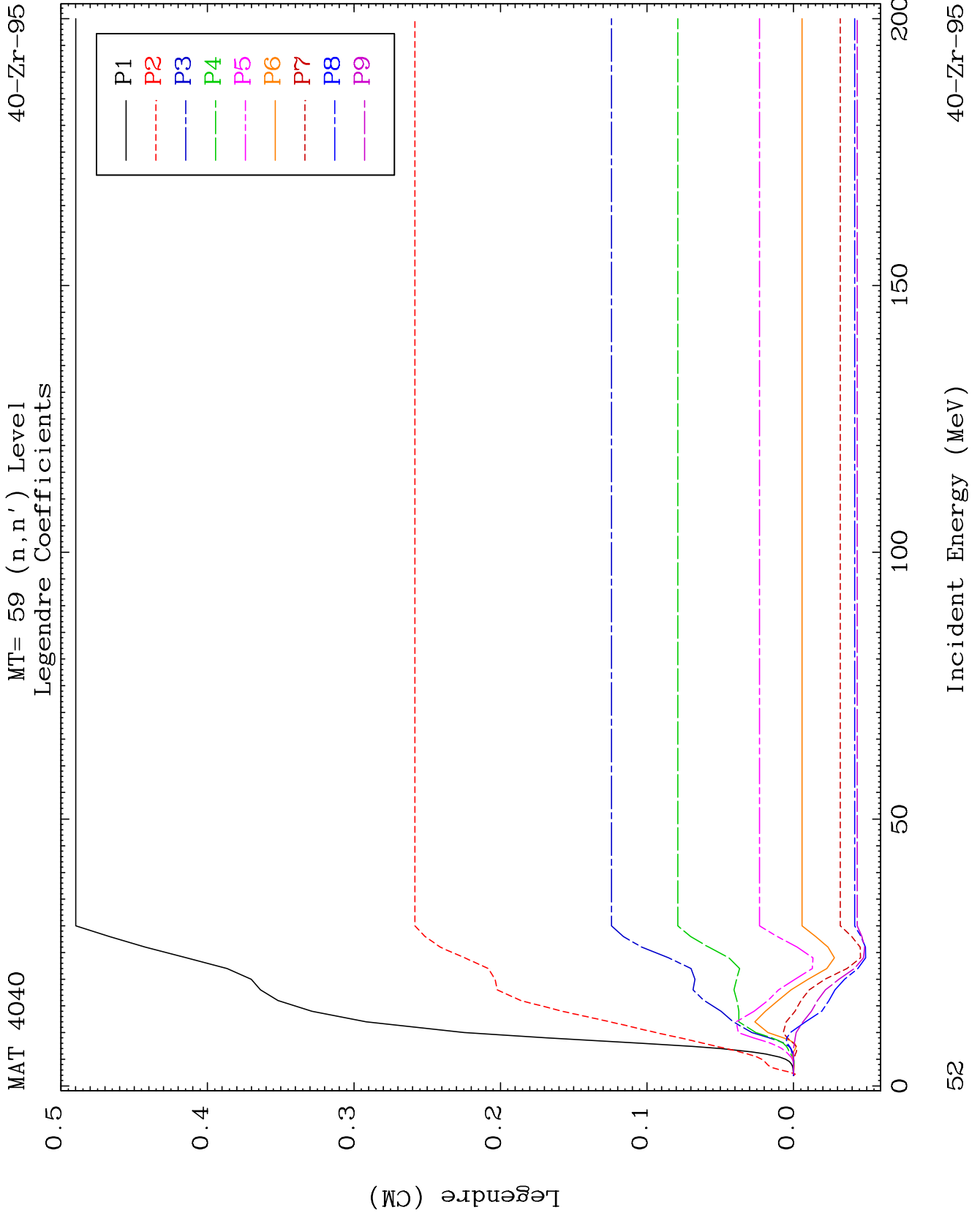
40-Zr-95



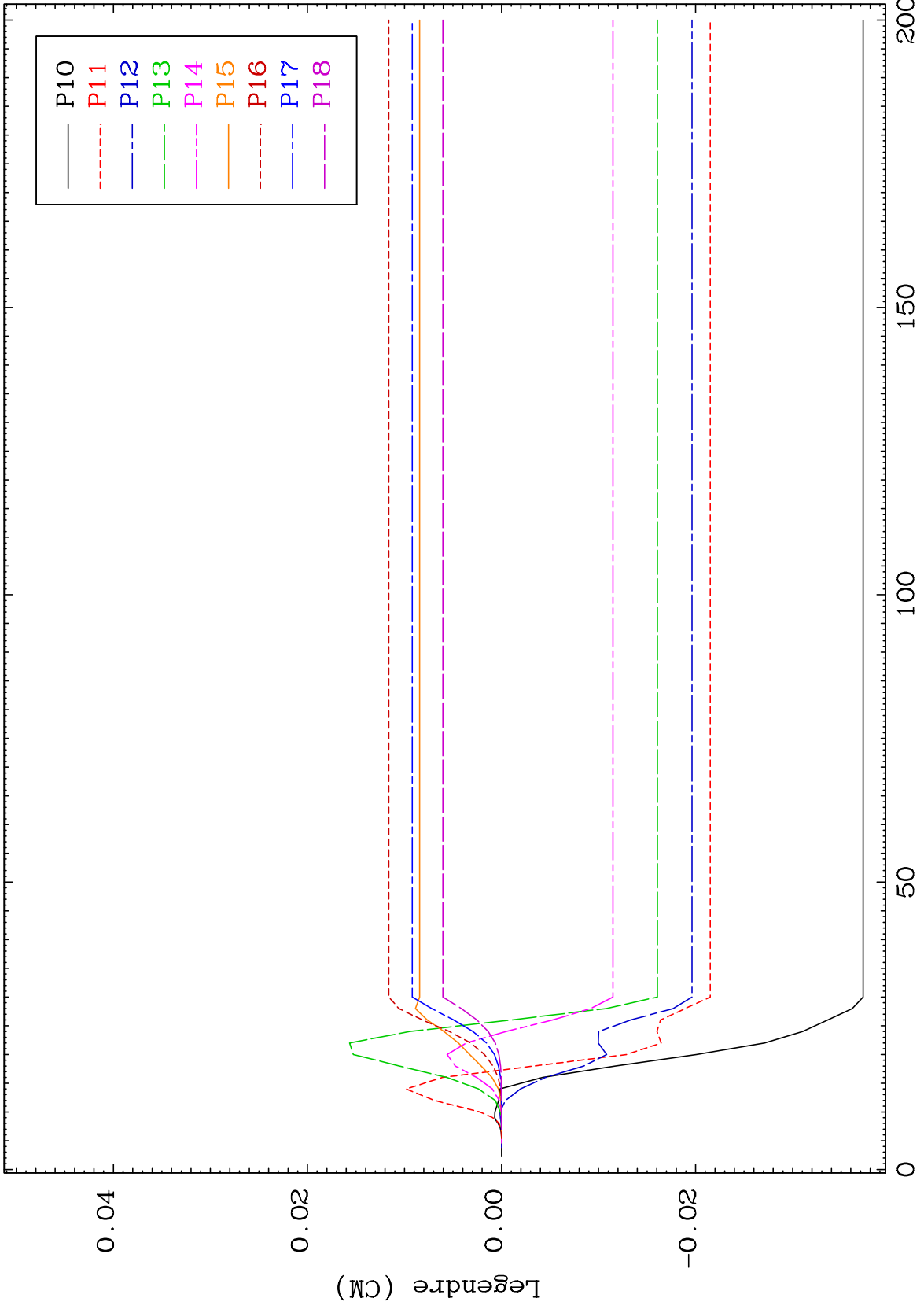
51

Incident Energy (MeV)

40-Zr-95

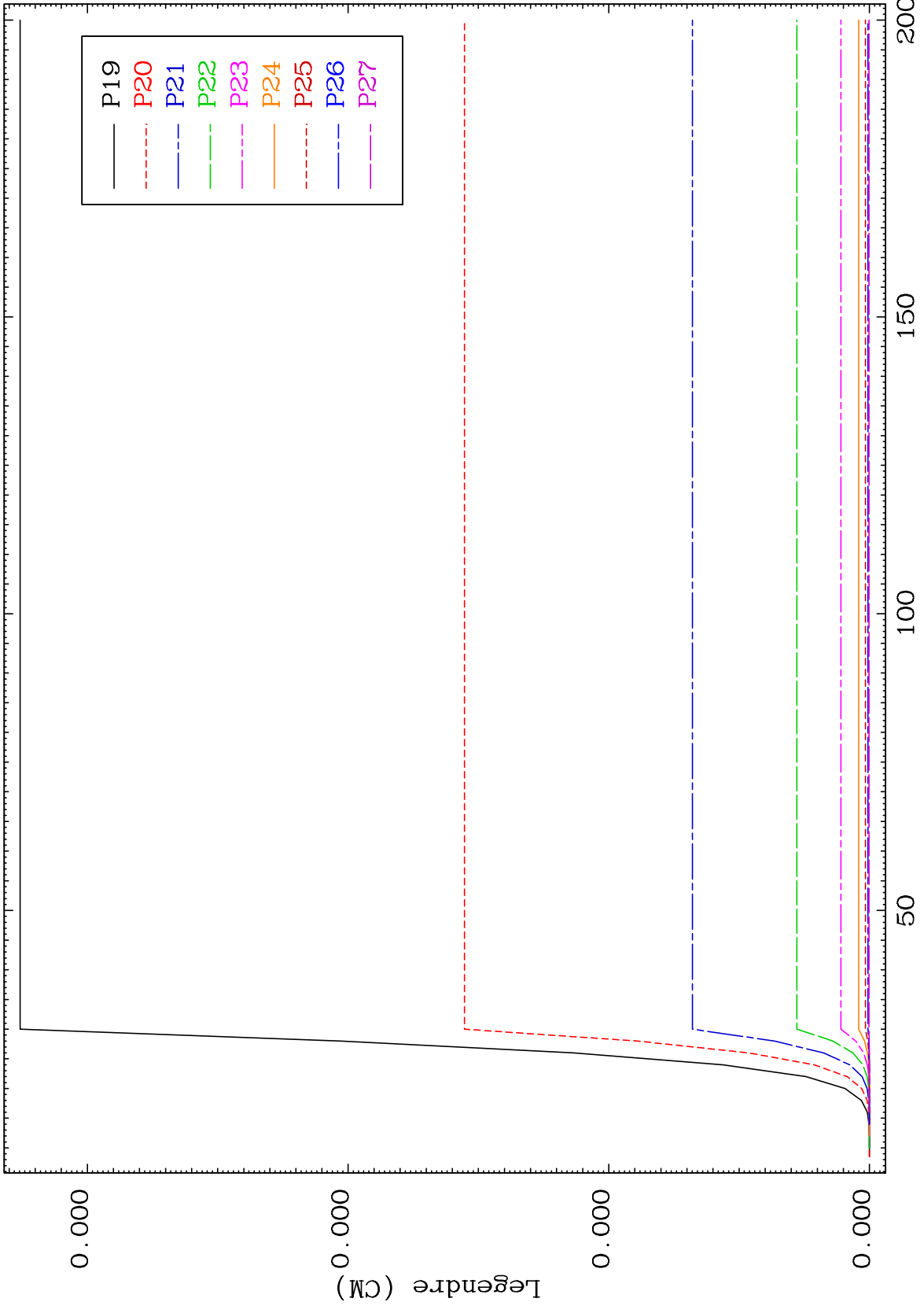


MAT 4040 MT= 59 (n,n') Level Legendre Coefficients 40-Zr-95

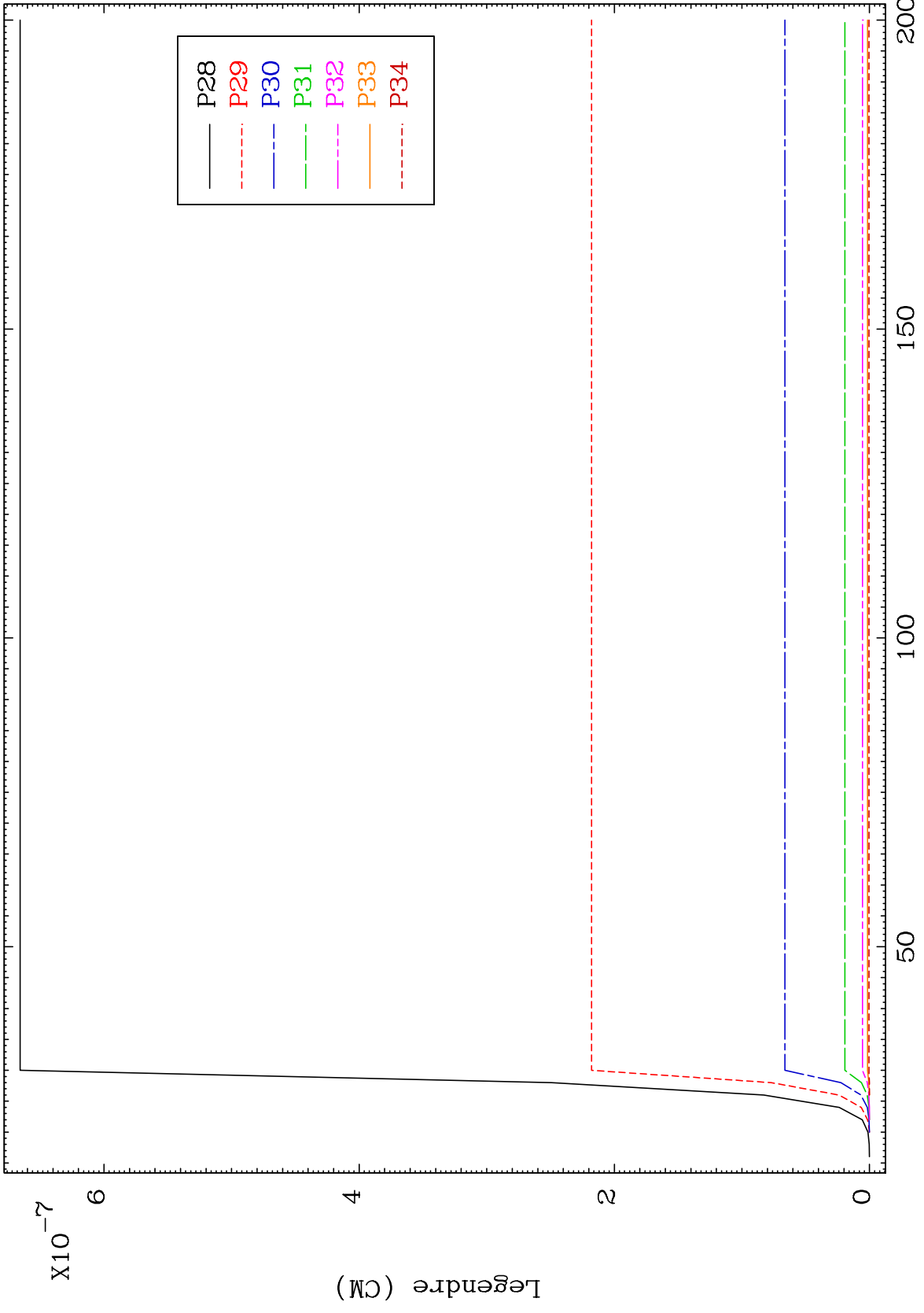


53 40-Zr-95

MAT 4040 MT= 59 (n,n') Level Legendre Coefficients 40-Zr-95



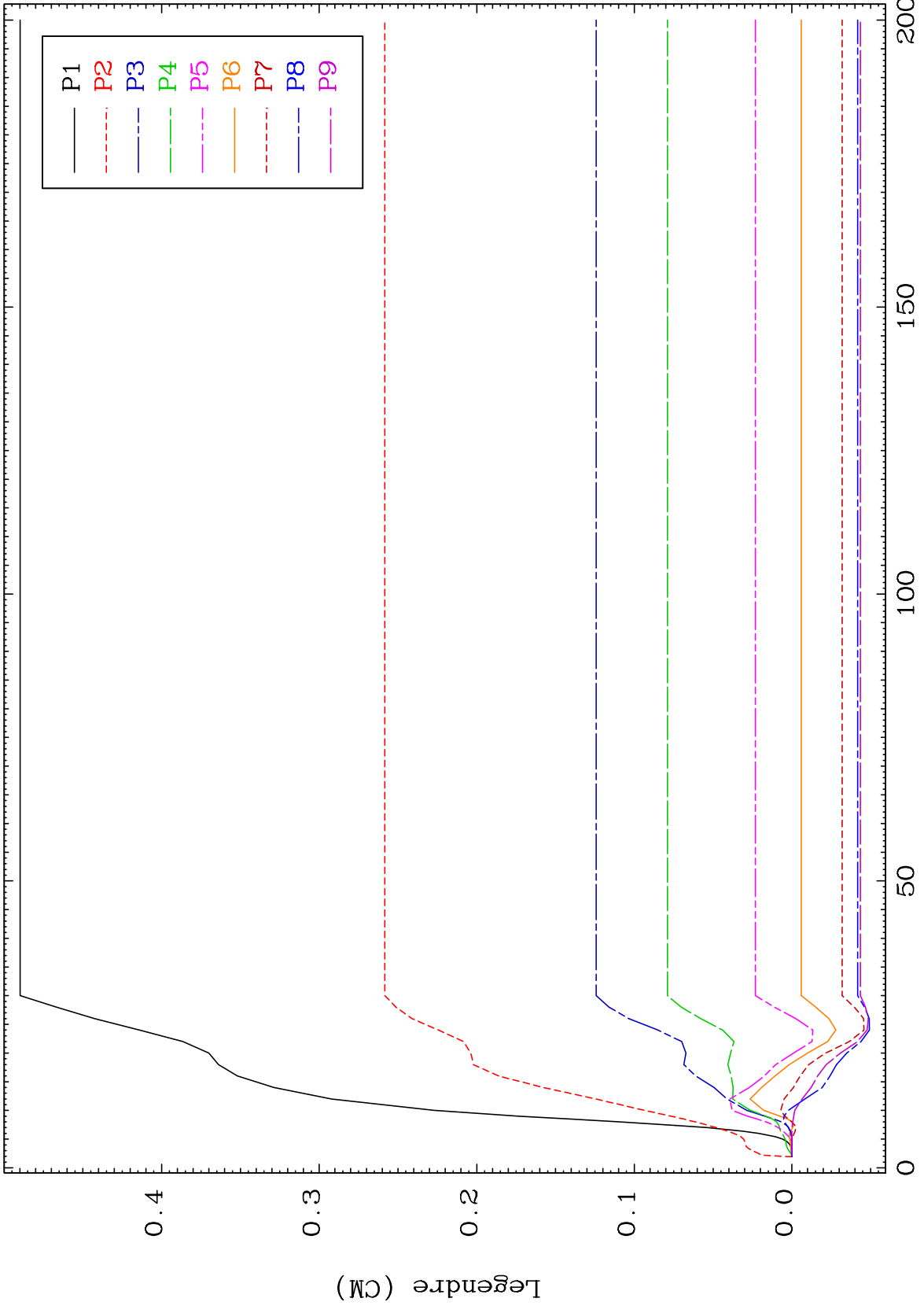
MAT 4040 MT= 59 (n,n') Level Legendre Coefficients 40-Zr-95



55 100 150 200 40-Zr-95

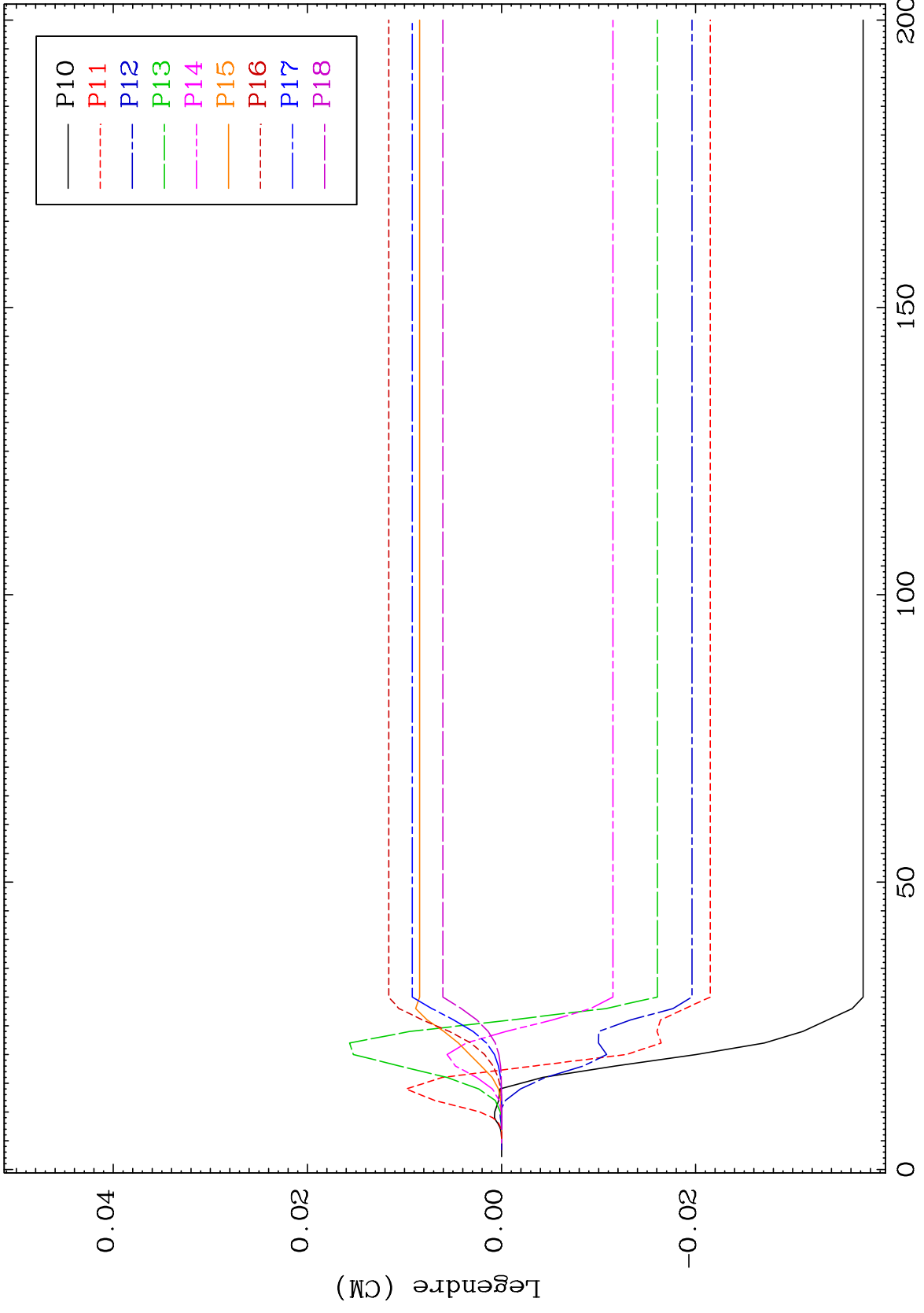


MAT 4040 MT= 60 (n,n') Level Legendre Coefficients 40-Zr-95

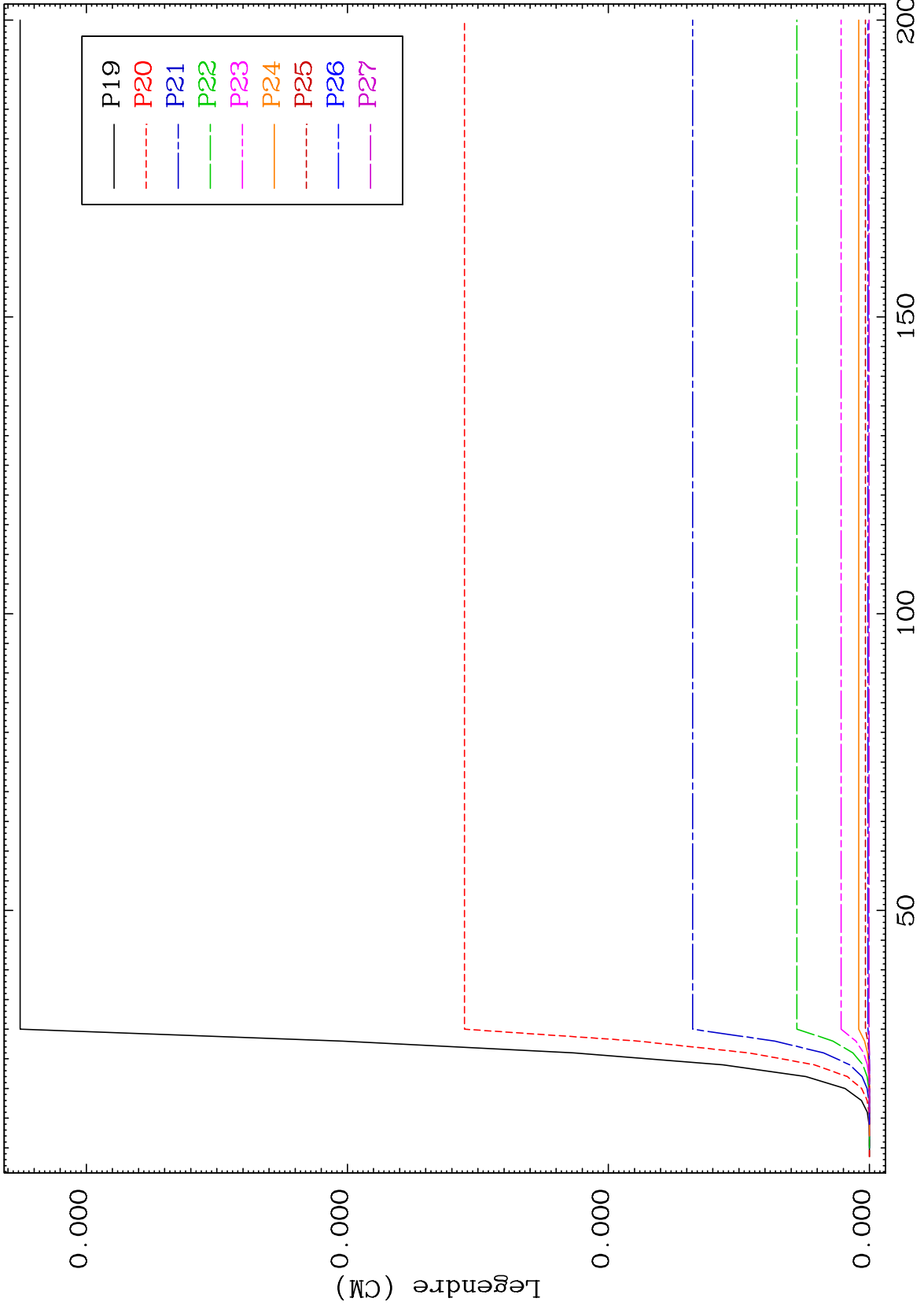


56 40-Zr-95

MAT 4040 MT= 60 (n,n') Level Legendre Coefficients 40-Zr-95



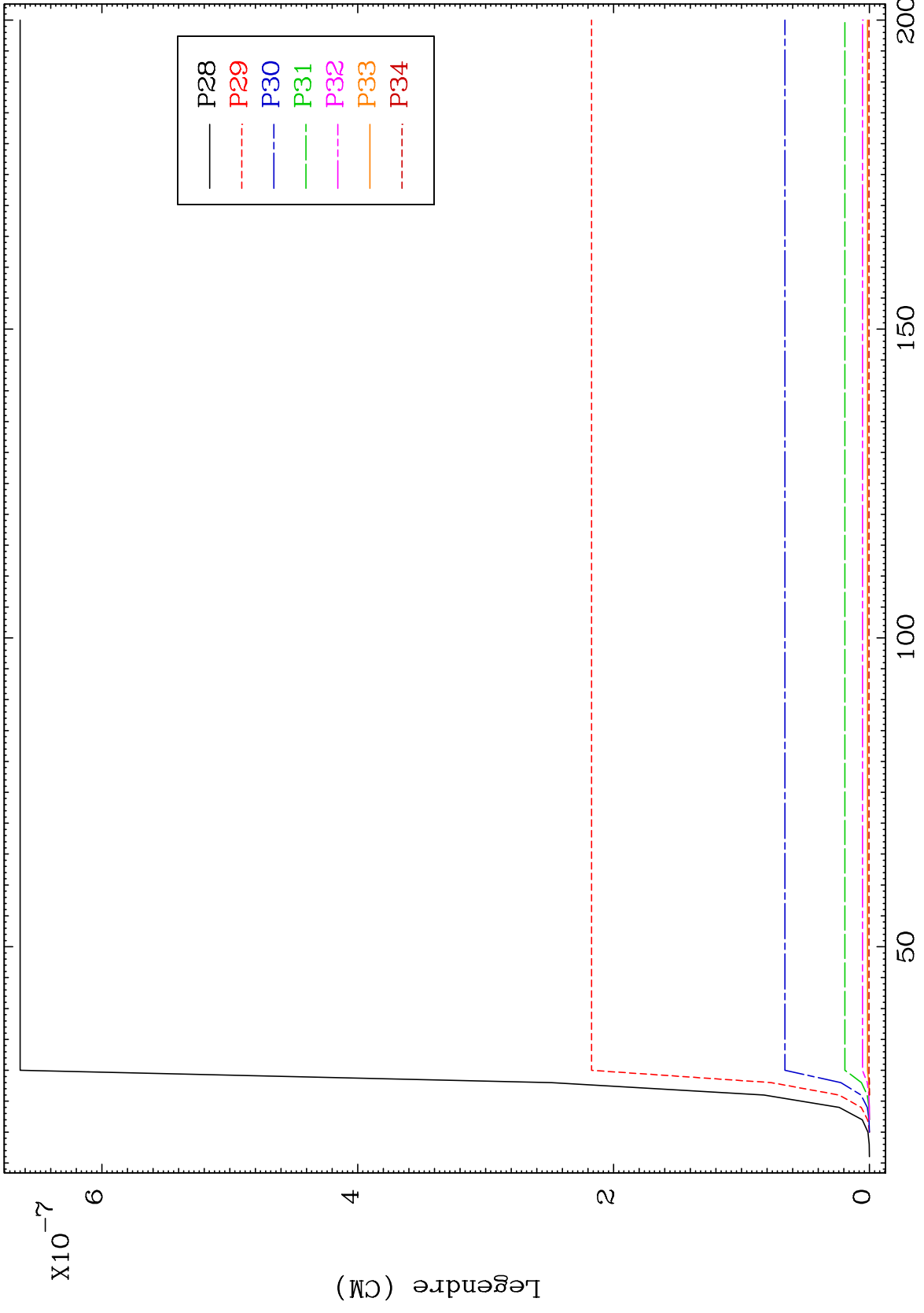
MAT 4040 MT= 60 (n,n') Level Legendre Coefficients 40-Zr-95



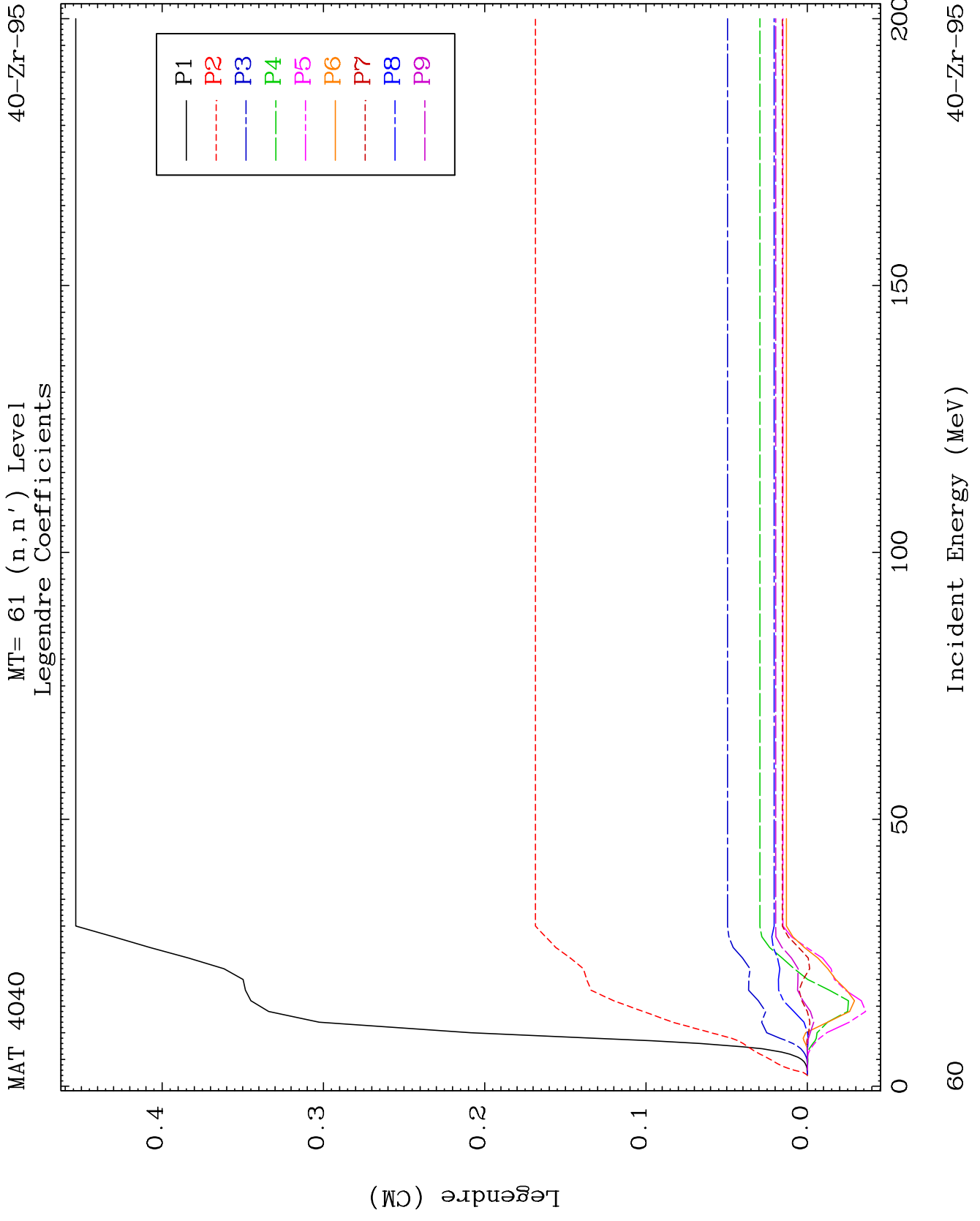
58

40-Zr-95

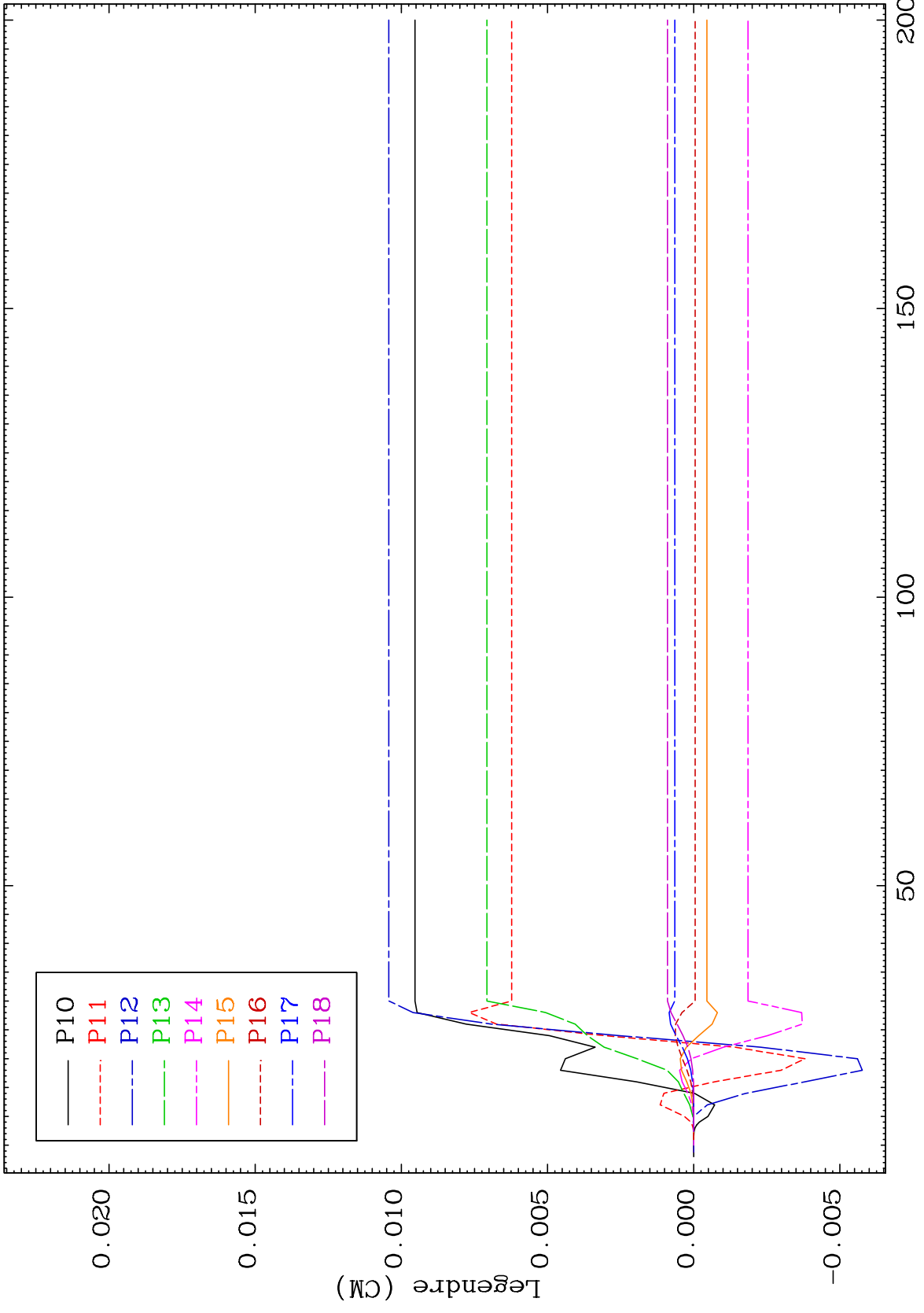
MAT 4040 MT= 60 (n,n') Level Legendre Coefficients 40-Zr-95



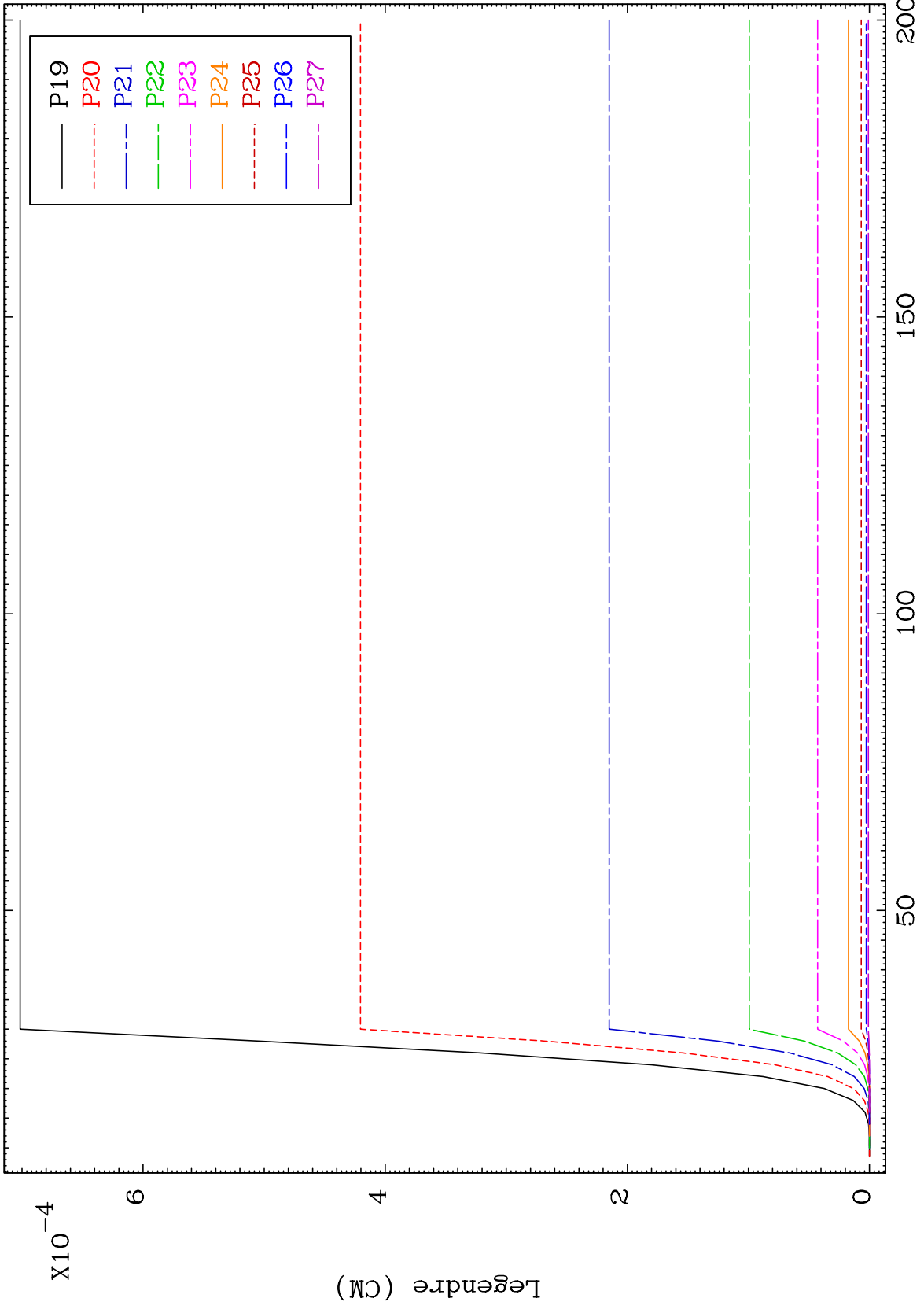
59 40-Zr-95



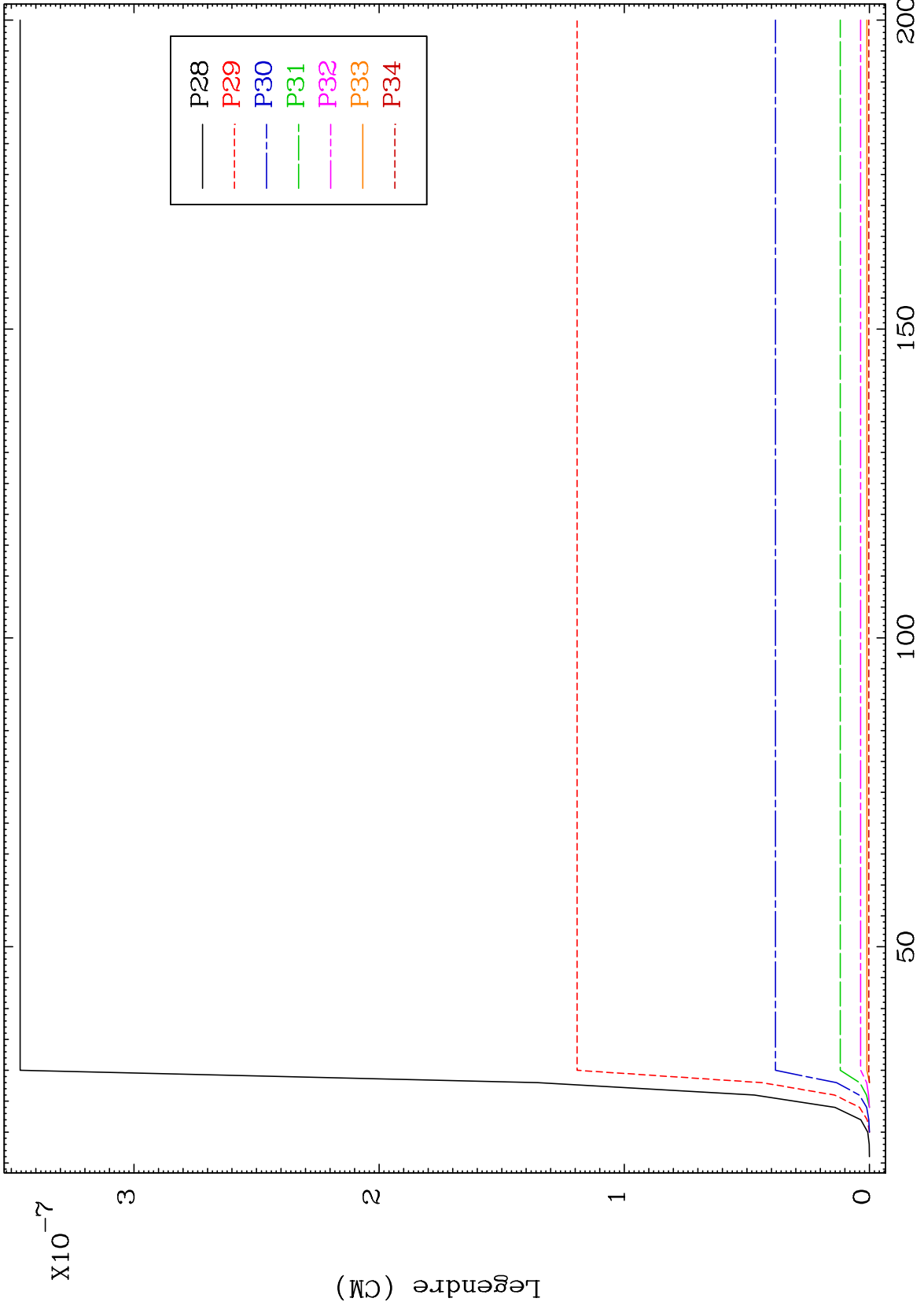
MAT 4040 MT= 61 (n,n') Level Legendre Coefficients 40-Zr-95



MAT 4040 MT= 61 (n,n') Level Legendre Coefficients 40-Zr-95



MAT 4040 MT= 61 (n,n') Level Legendre Coefficients 40-Zr-95

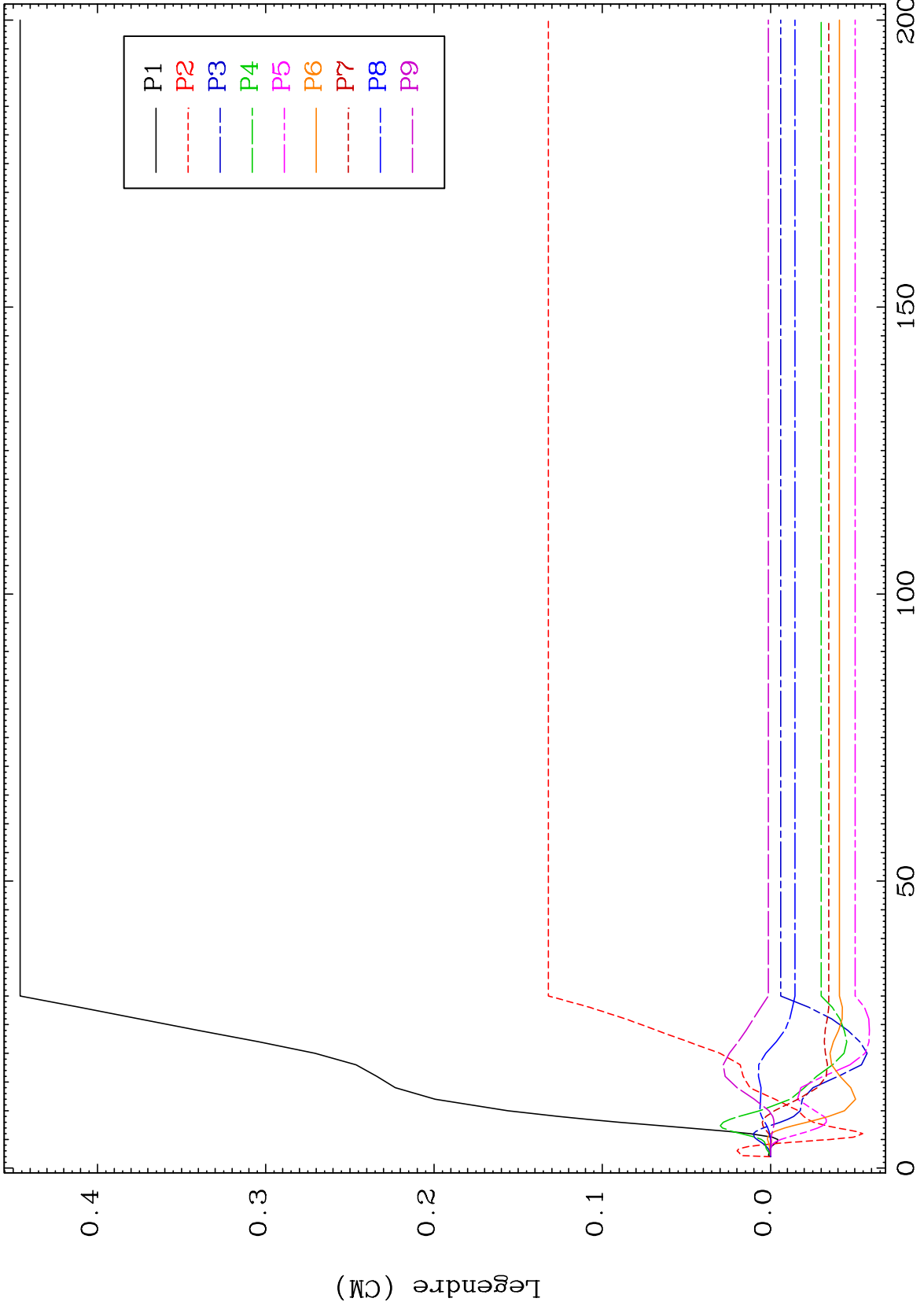


63

40-Zr-95

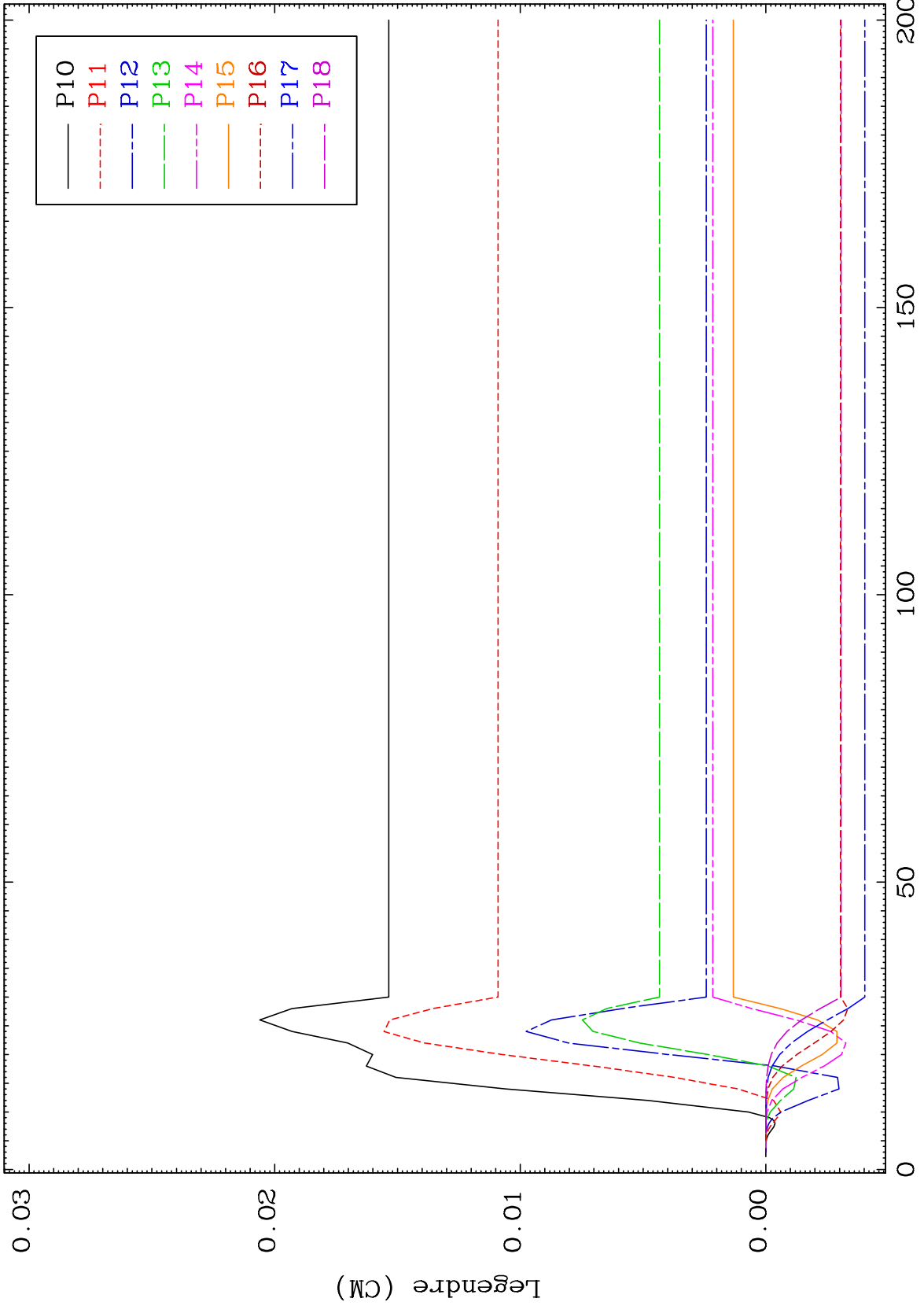


MAT 4040 MT= 62 (n,n') Level Legendre Coefficients 40-Zr-95



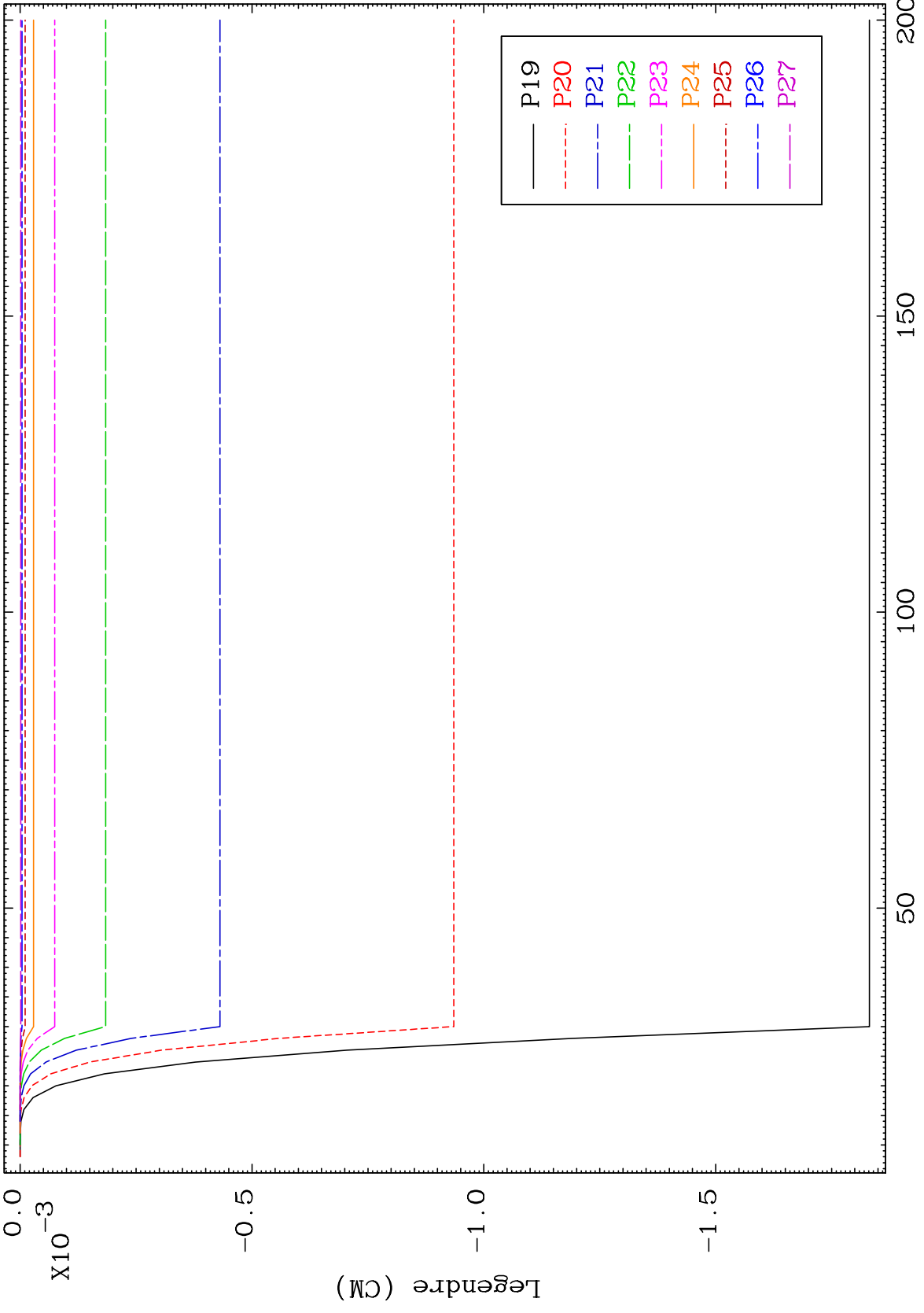
64 40-Zr-95

MAT 4040 MT= 62 (n,n') Level Legendre Coefficients 40-Zr-95

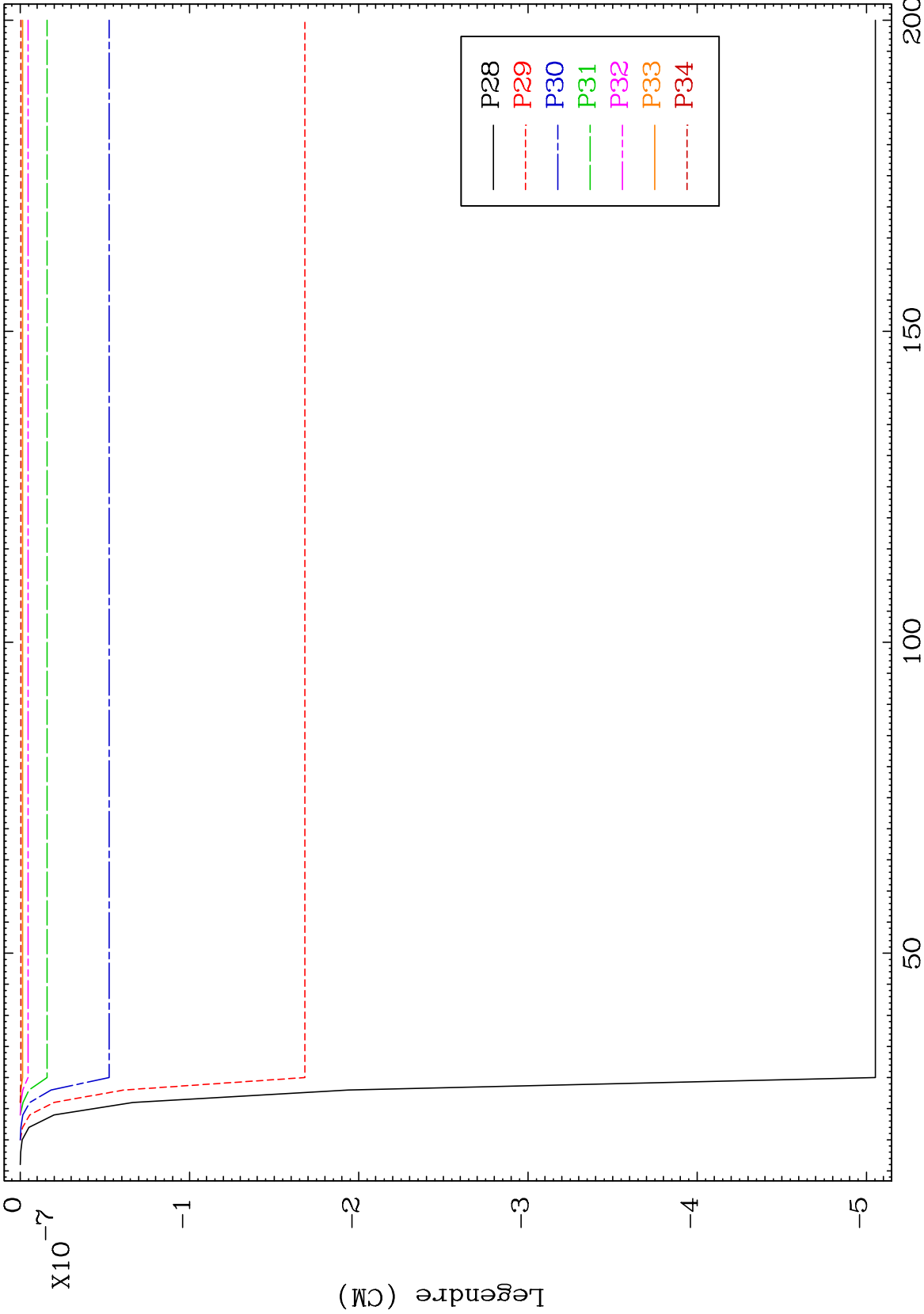


65 Incident Energy (MeV) 40-Zr-95

MAT 4040 MT= 62 (n,n') Level Legendre Coefficients 40-Zr-95

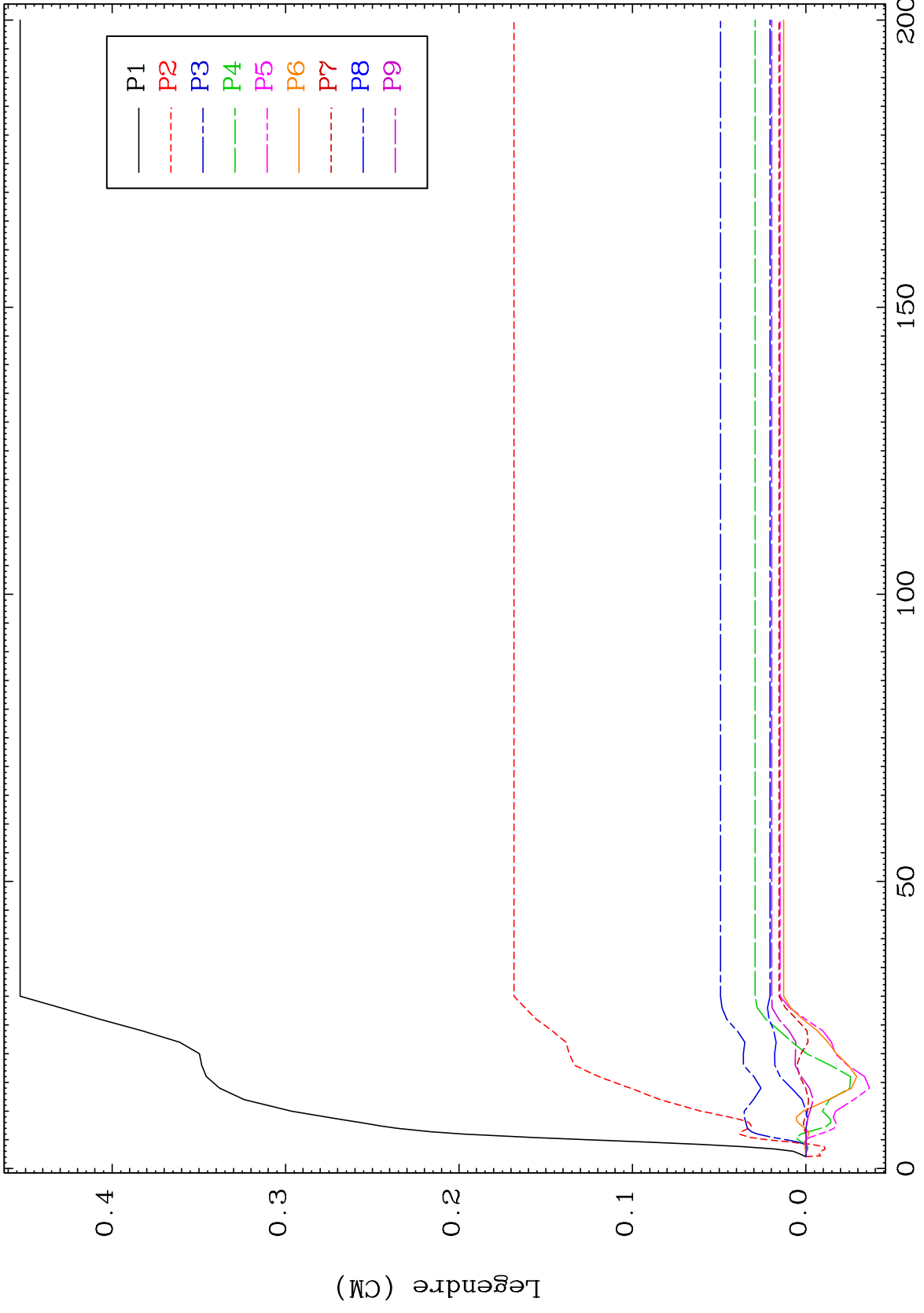


MAT 4040 MT= 62 (n,n') Level Legendre Coefficients 40-Zr-95



67 40-Zr-95

MAT 4040 MT= 63 (n,n') Level Legendre Coefficients 40-Zr-95

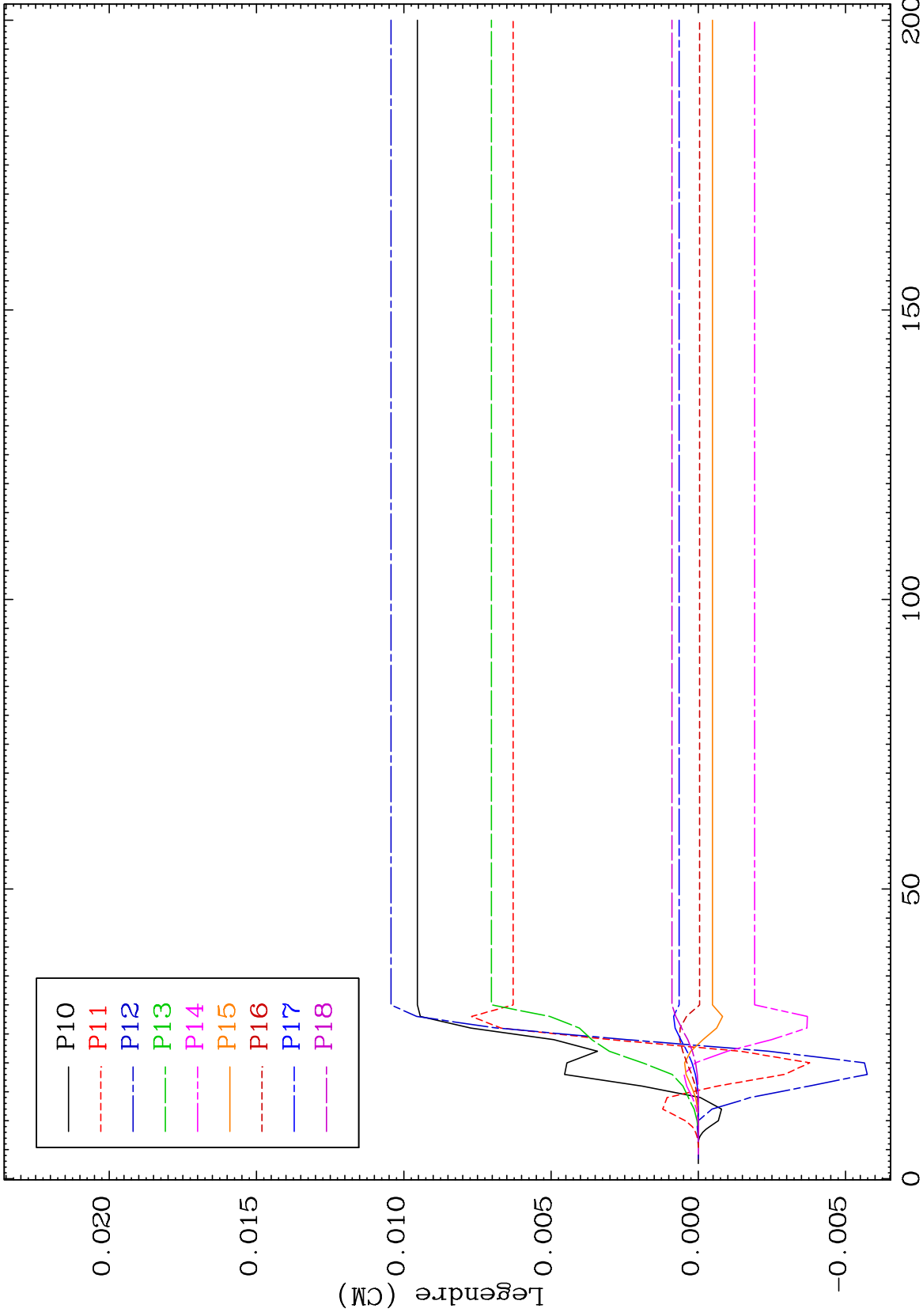


68 Incident Energy (MeV) 40-Zr-95

MAT 4040

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

40-Zr-95

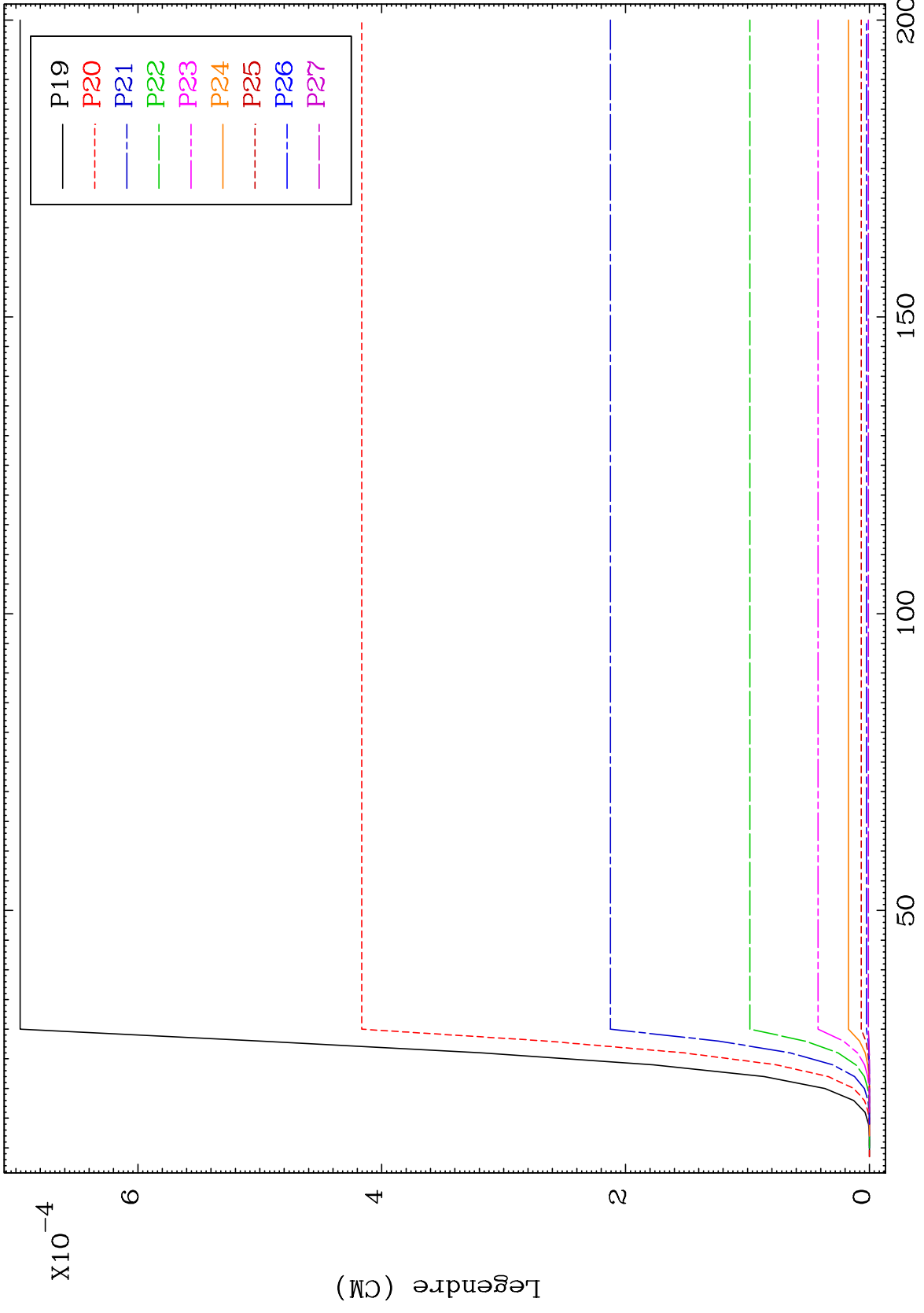


69

Incident Energy (MeV)

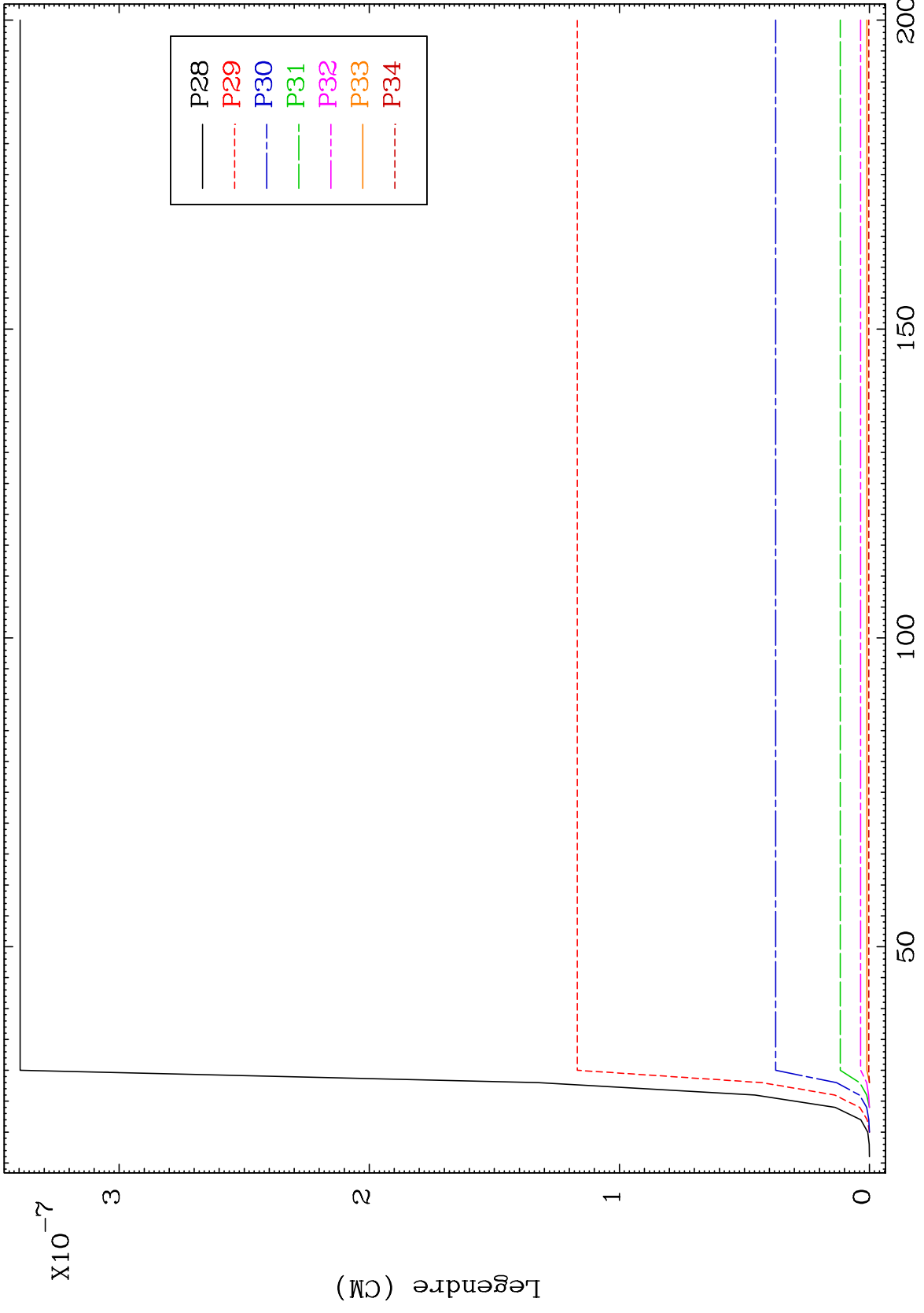
40-Zr-95

MAT 4040 MT= 63 (n,n') Level Legendre Coefficients 40-Zr-95



70 Incident Energy (MeV) 40-Zr-95

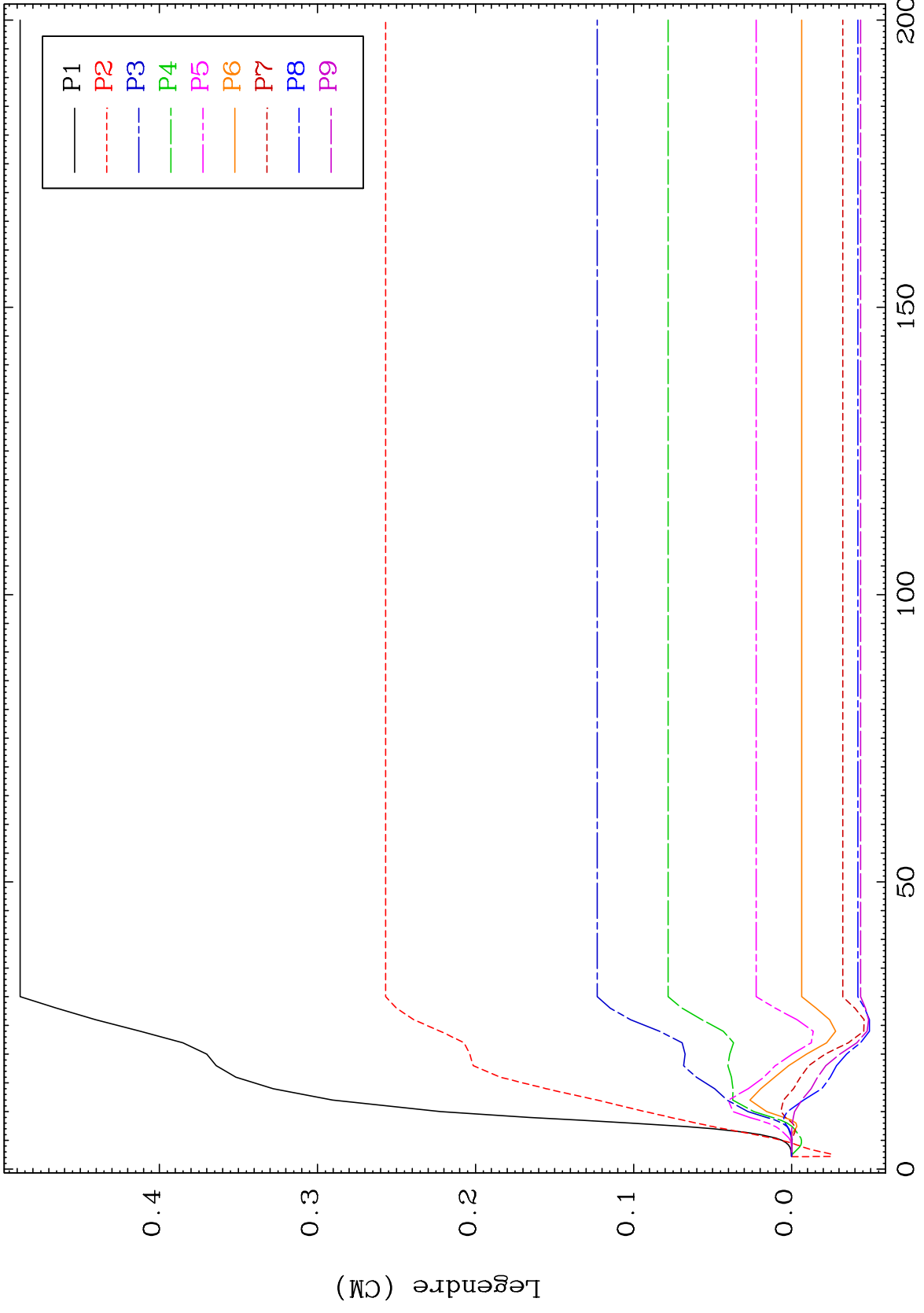
MAT 4040 MT= 63 (n,n') Level Legendre Coefficients 40-Zr-95



71 40-Zr-95

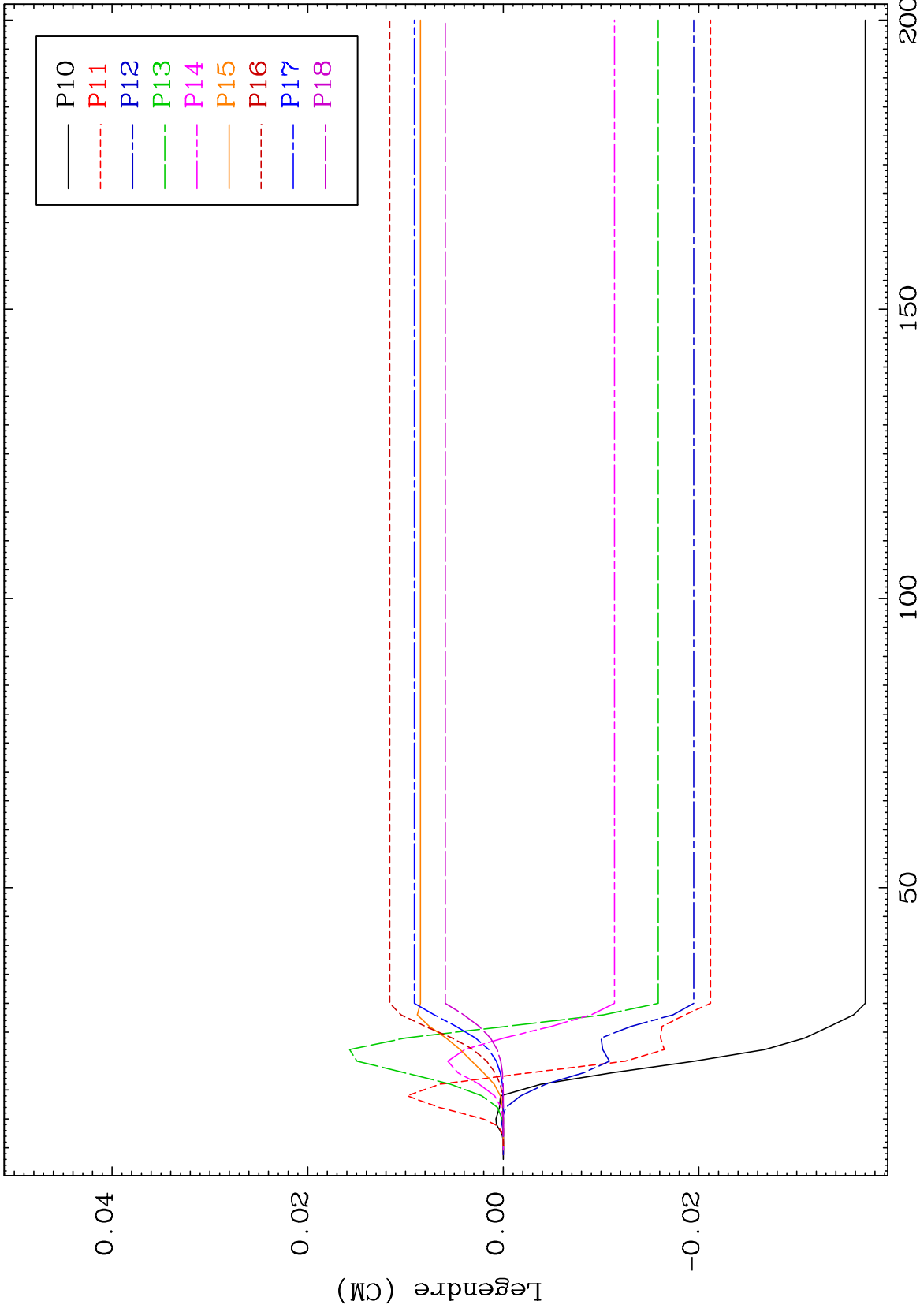


MAT 4040 MT= 64 (n,n') Level Legendre Coefficients 40-Zr-95



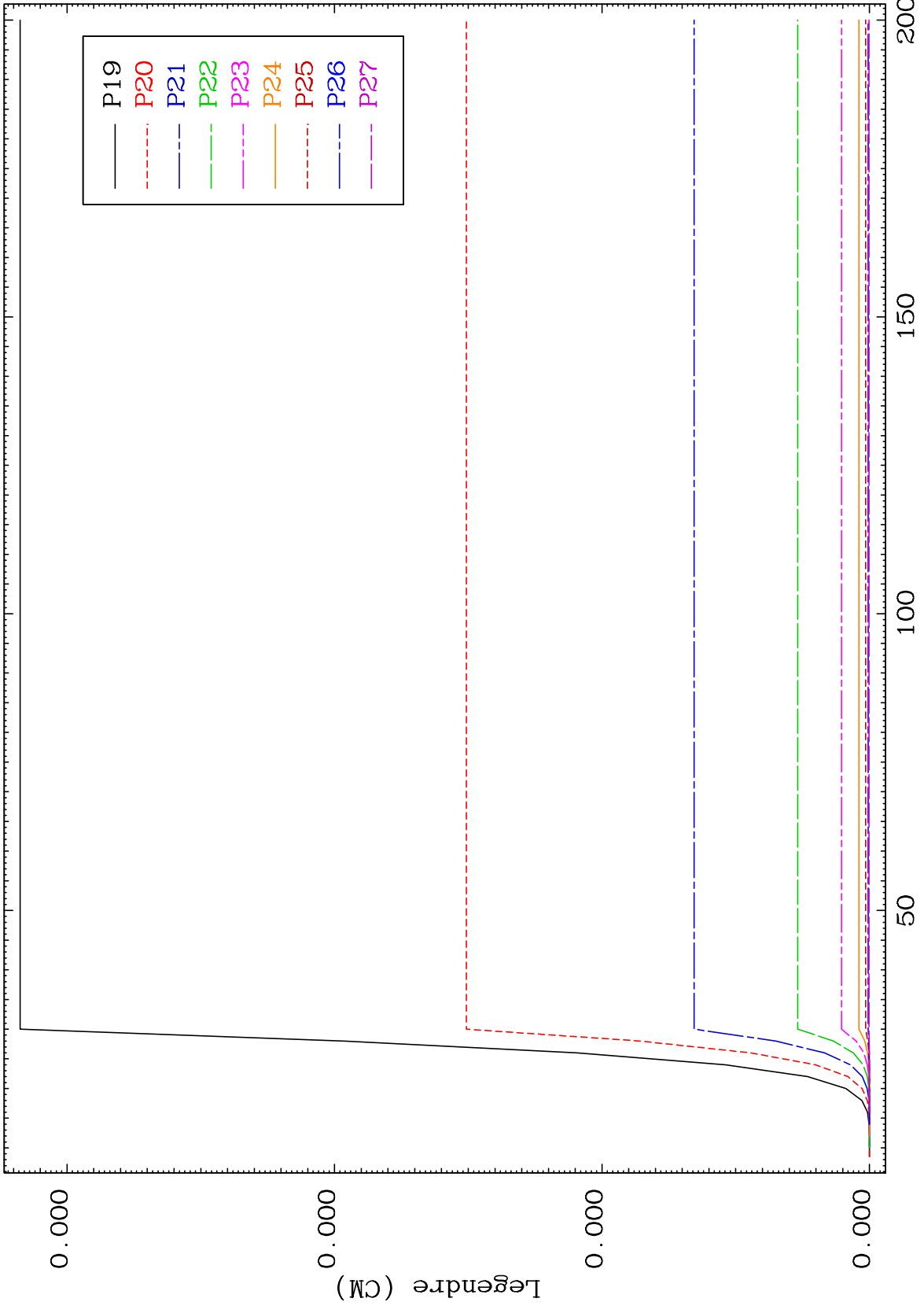
72 Incident Energy (MeV) 40-Zr-95

MAT 4040 MT= 64 (n,n') Level Legendre Coefficients 40-Zr-95

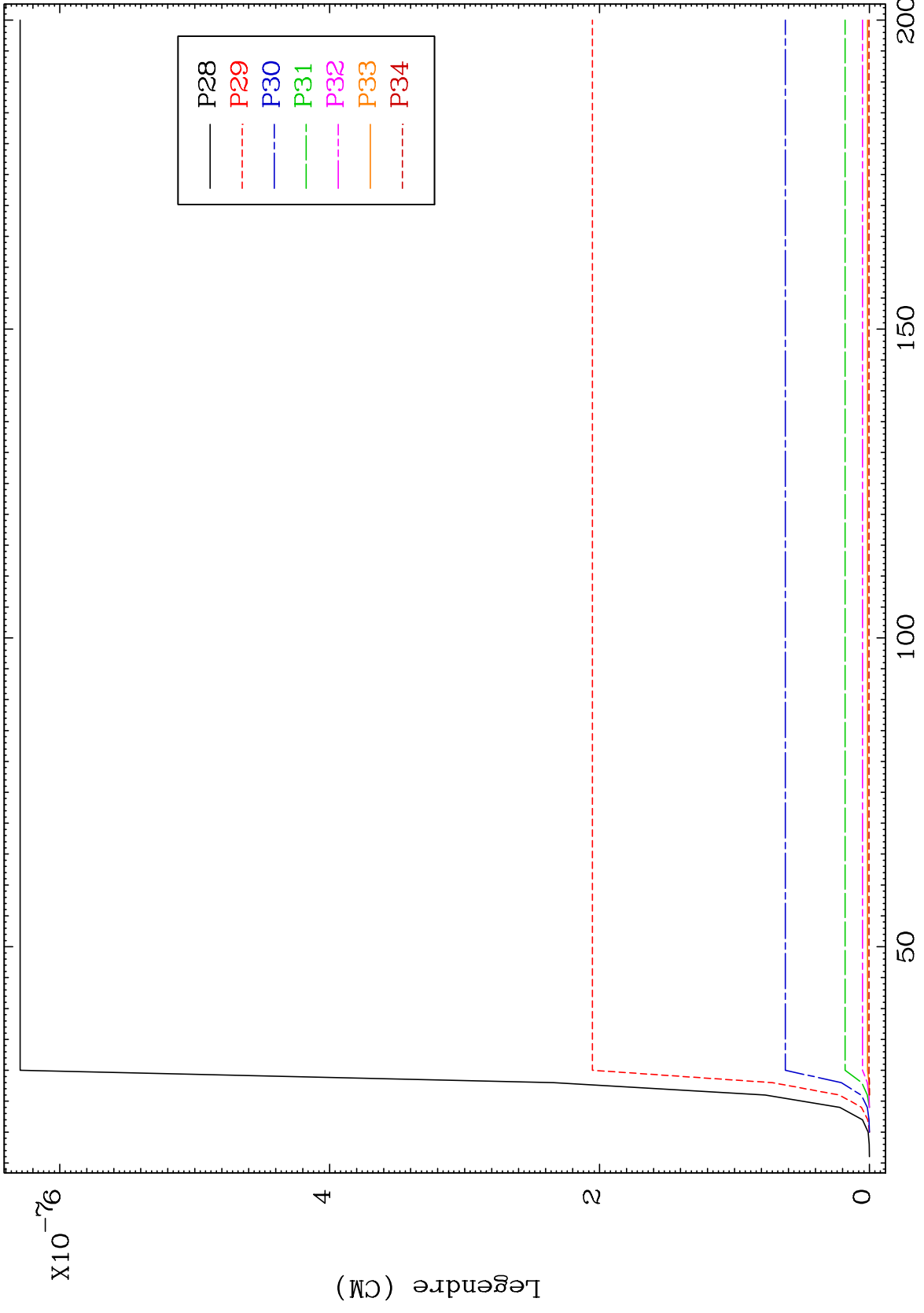


73 40-Zr-95

MAT 4040 MT= 64 (n,n') Level Legendre Coefficients 40-Zr-95

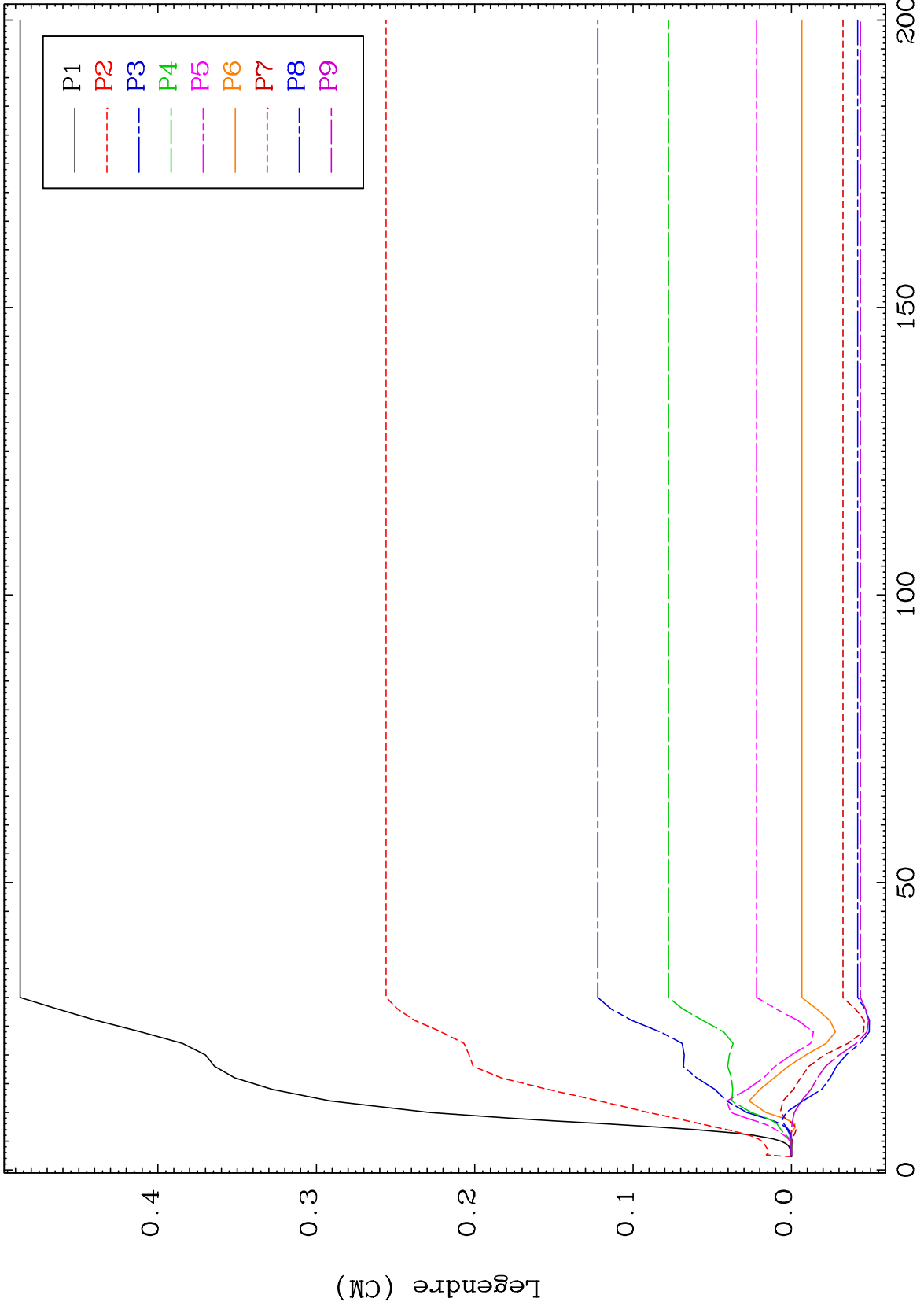


MAT 4040 MT= 64 (n,n') Level Legendre Coefficients 40-Zr-95



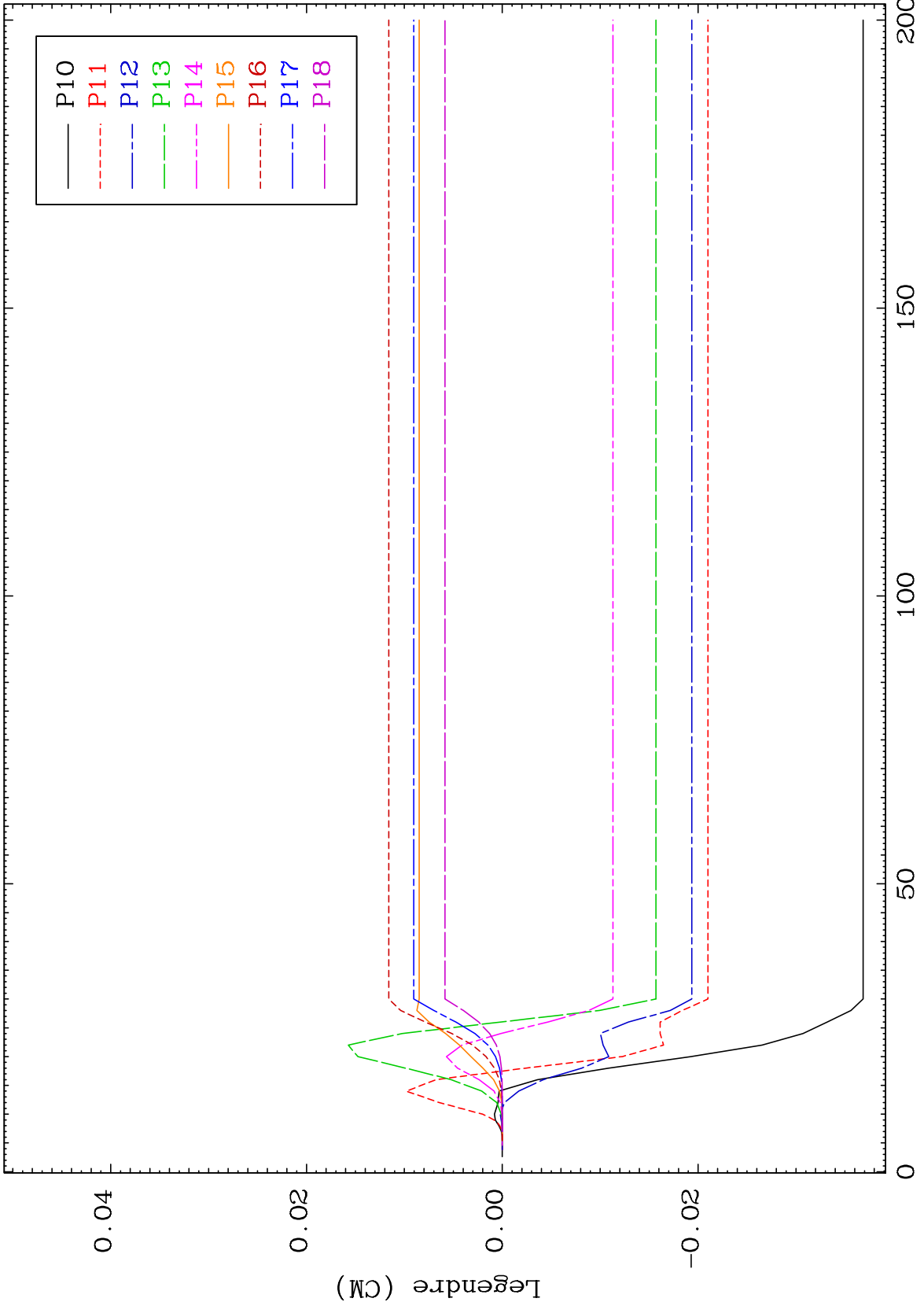
75 100 150 200 40-Zr-95

MAT 4040 MT= 65 (n,n') Level Legendre Coefficients 40-Zr-95



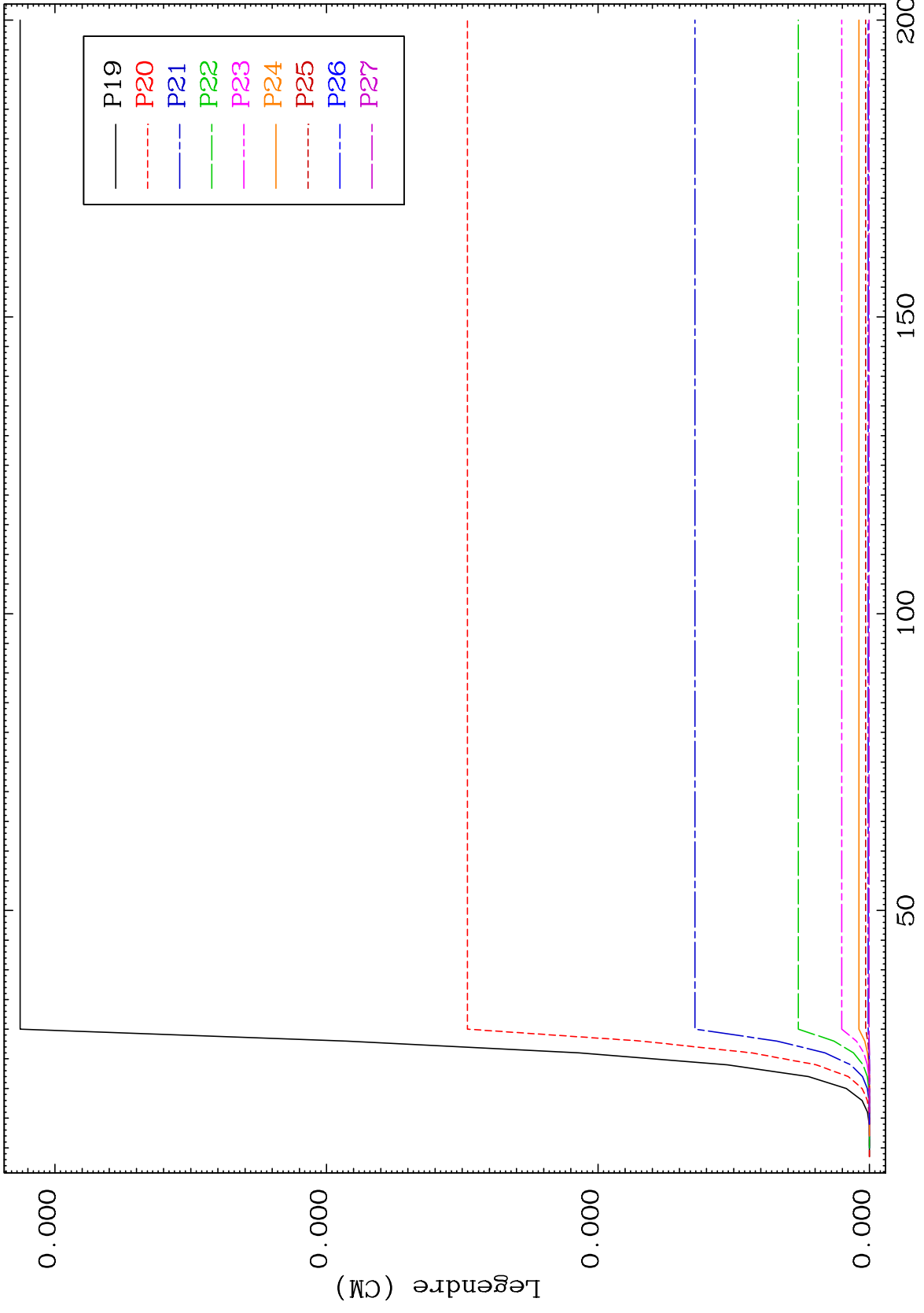
76 40-Zr-95

MAT 4040 MT= 65 (n,n') Level Legendre Coefficients 40-Zr-95

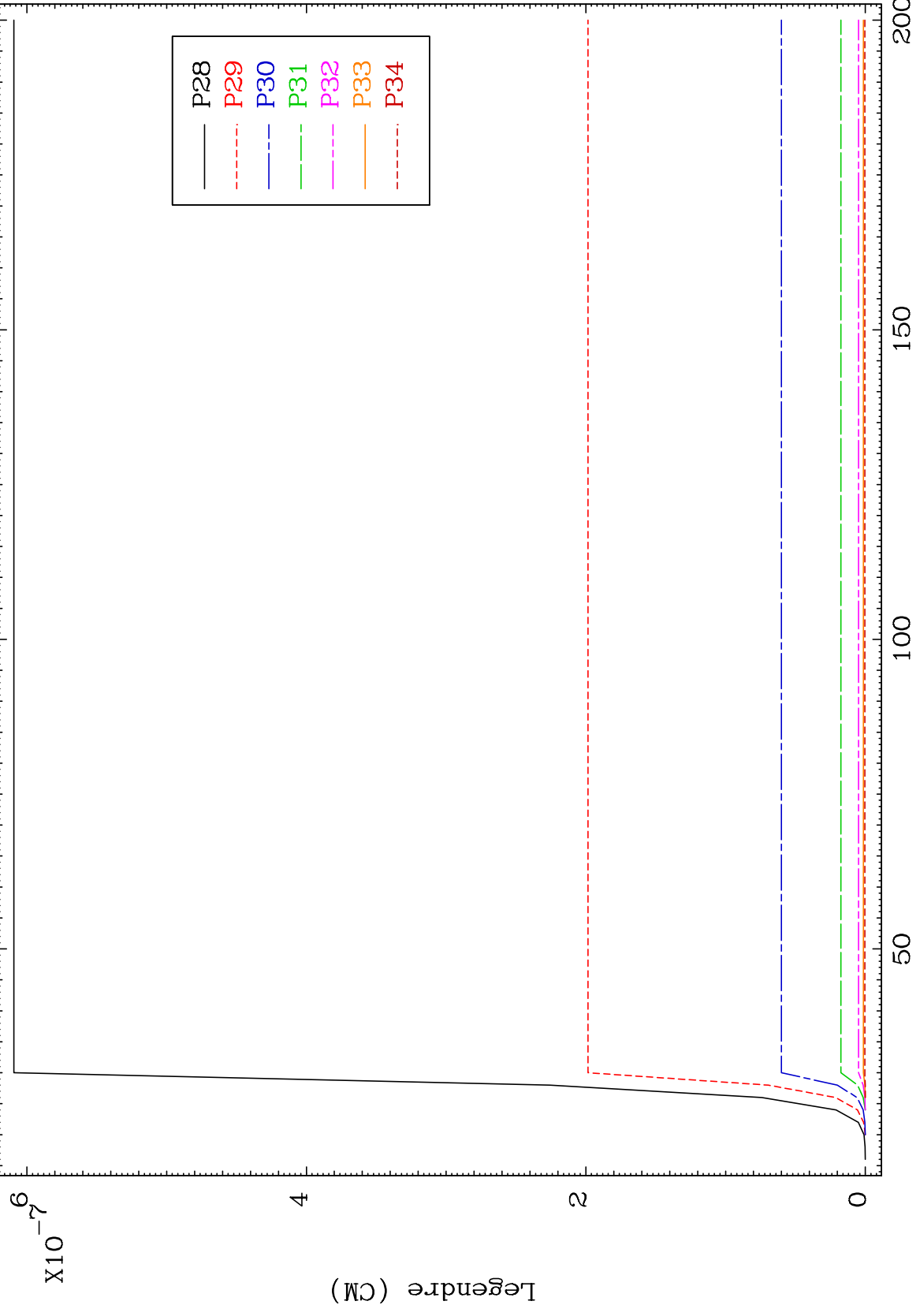


77 40-Zr-95

MAT 4040 MT= 65 (n,n') Level Legendre Coefficients 40-Zr-95



MAT 4040 MT= 65 (n,n') Level Legendre Coefficients 40-Zr-95

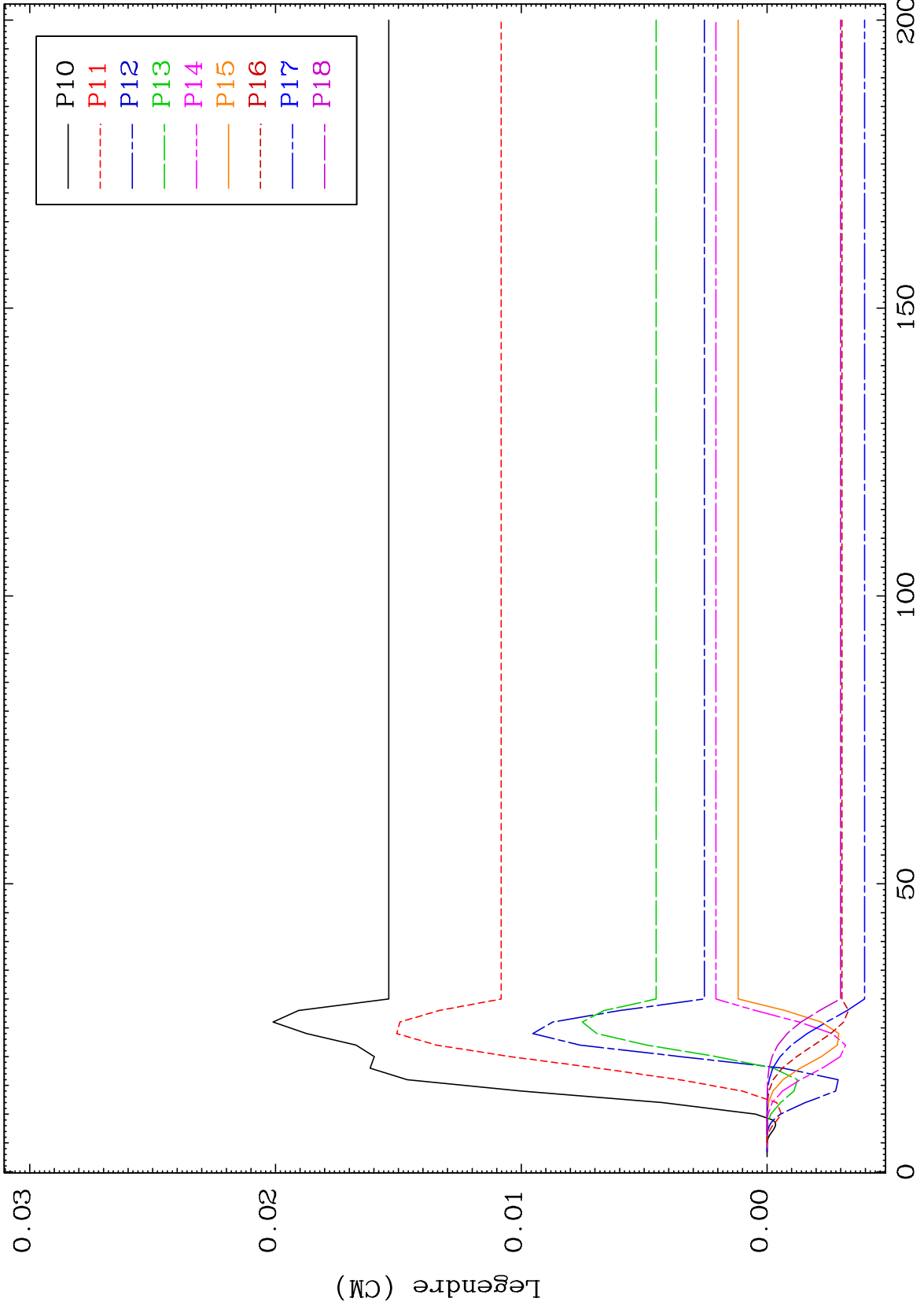


79 40-Zr-95

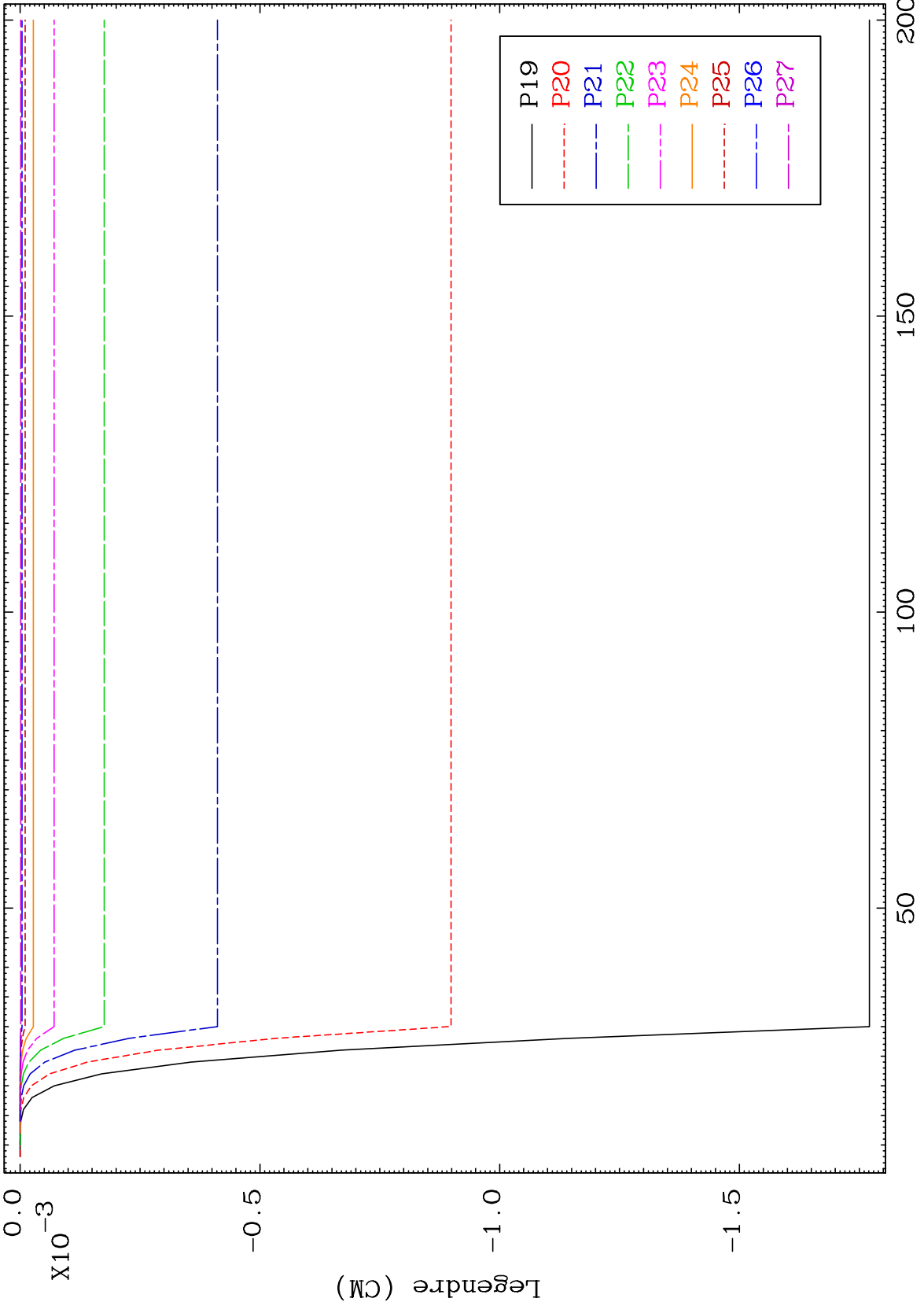




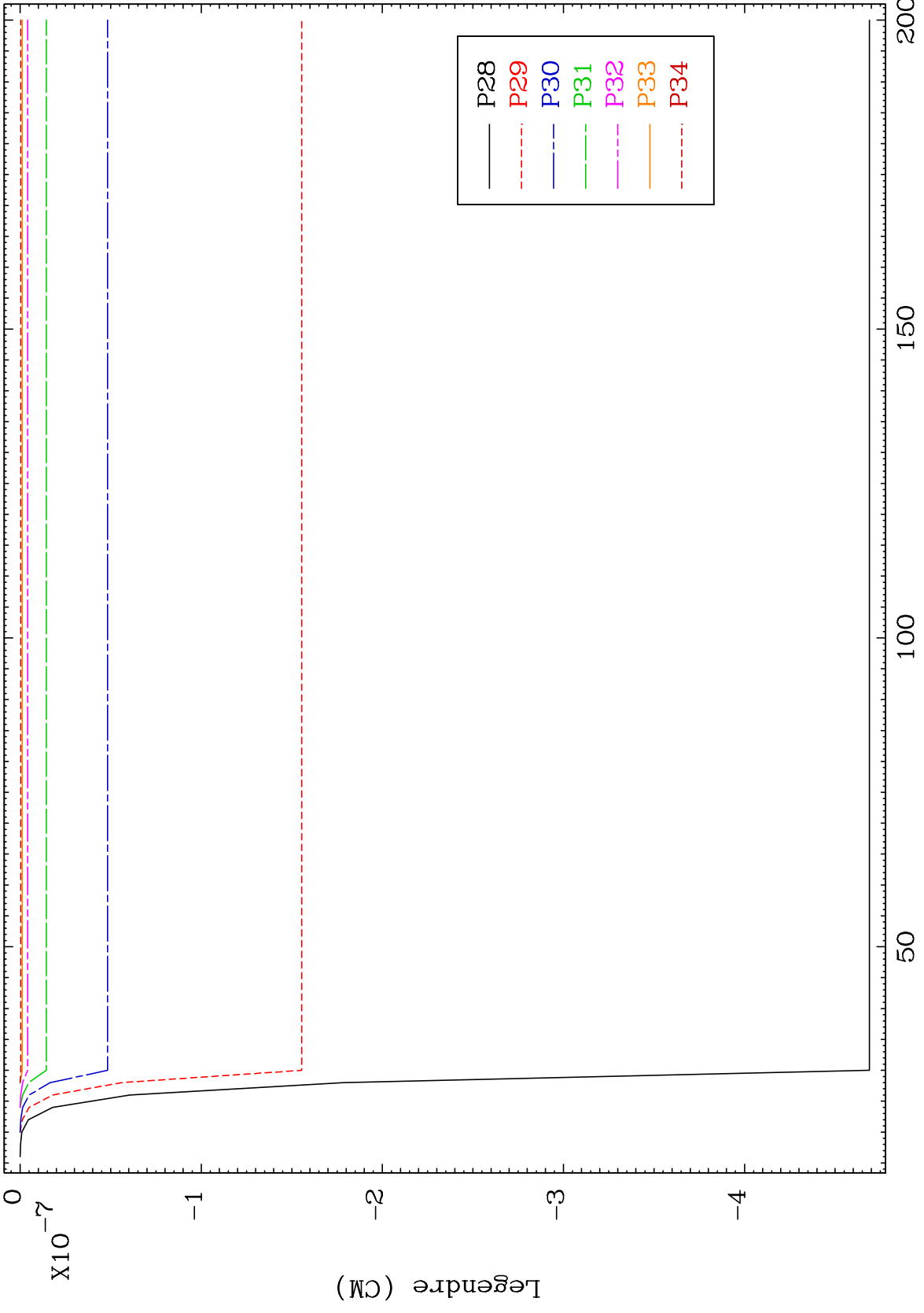
MAT 4040 MT= 66 (n,n') Level Legendre Coefficients 40-Zr-95



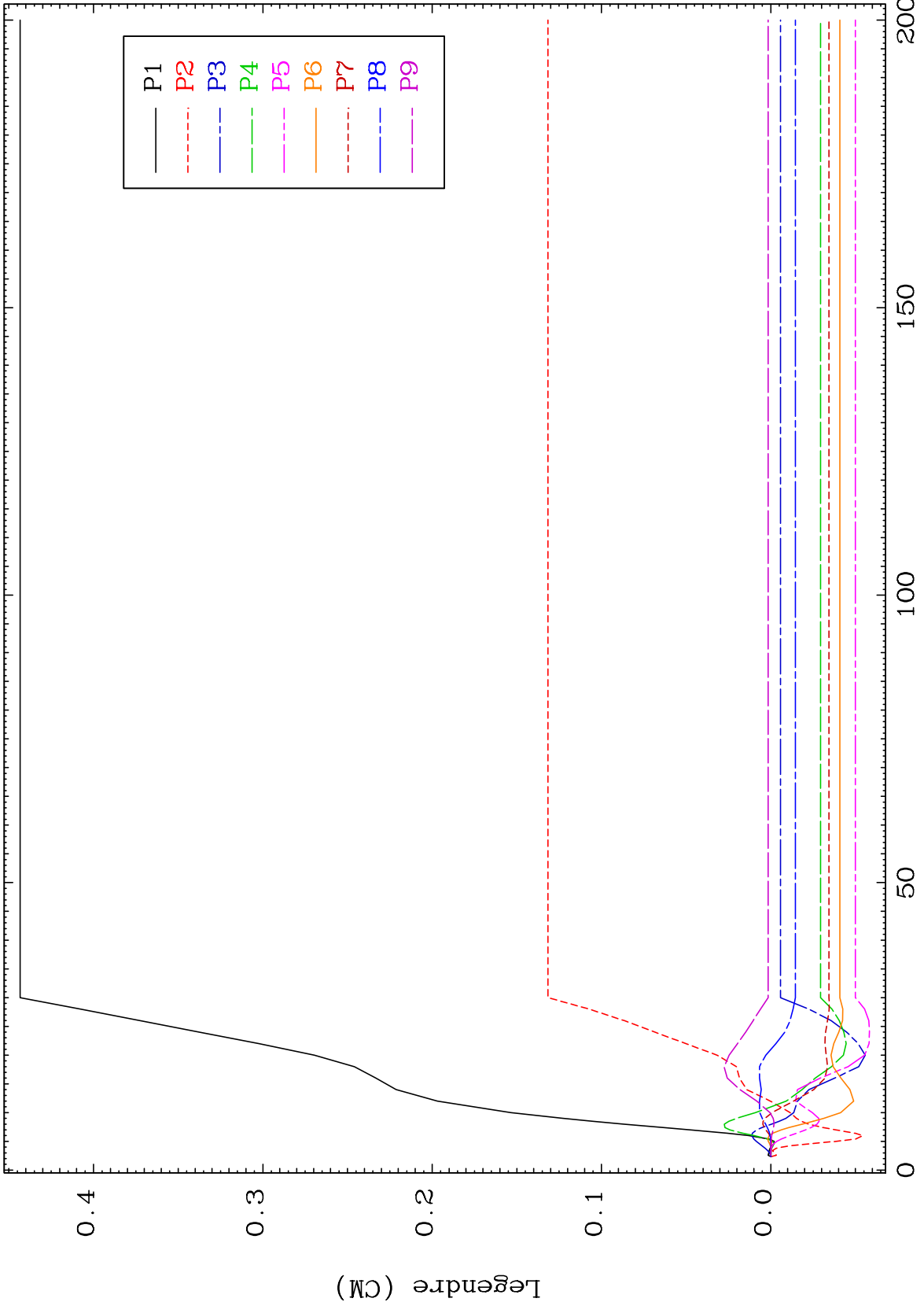
MAT 4040 MT= 66 (n,n') Level Legendre Coefficients 40-Zr-95



MAT 4040 MT= 66 (n,n') Level Legendre Coefficients 40-Zr-95

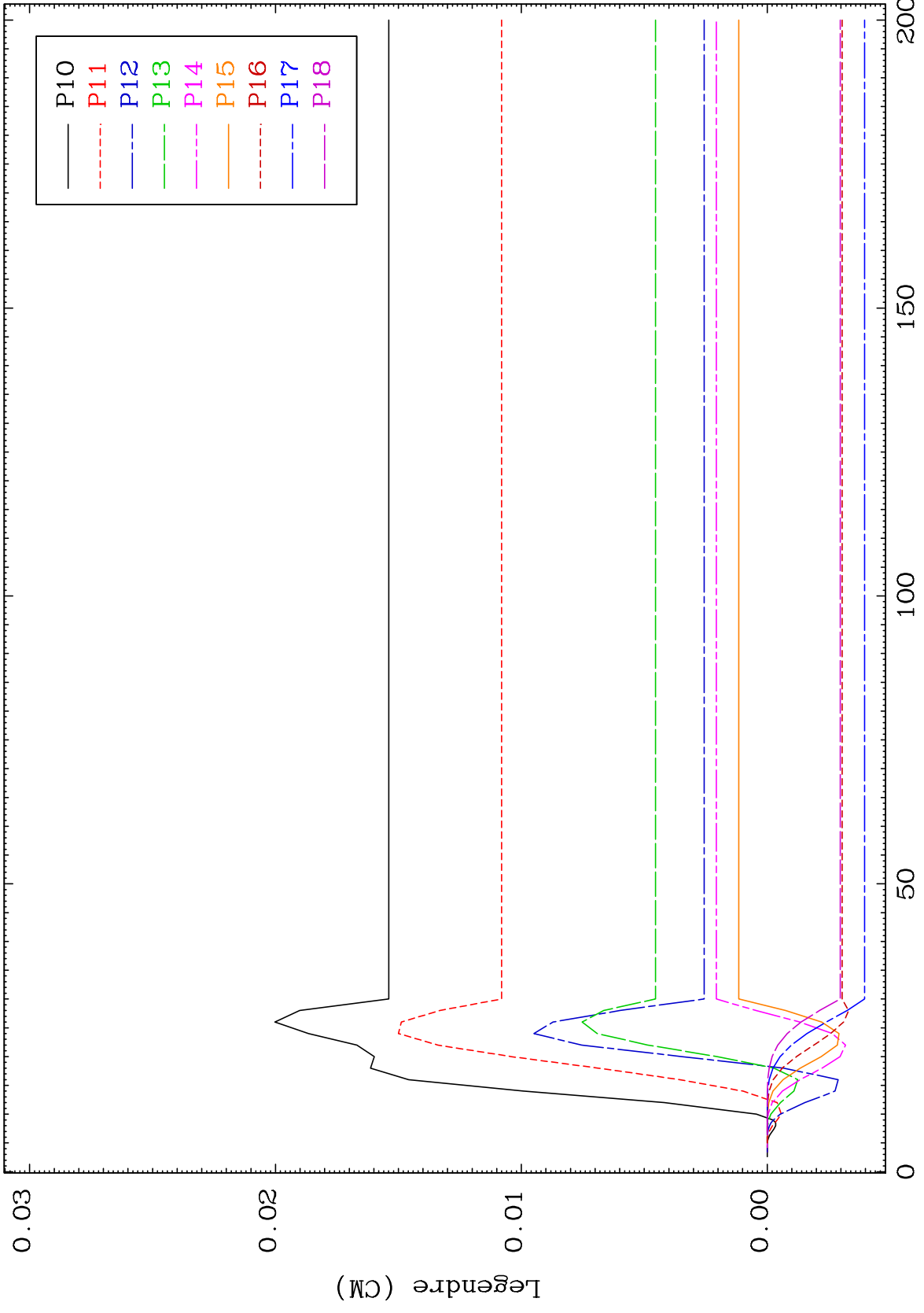


MAT 4040 MT= 67 (n,n') Level Legendre Coefficients 40-Zr-95



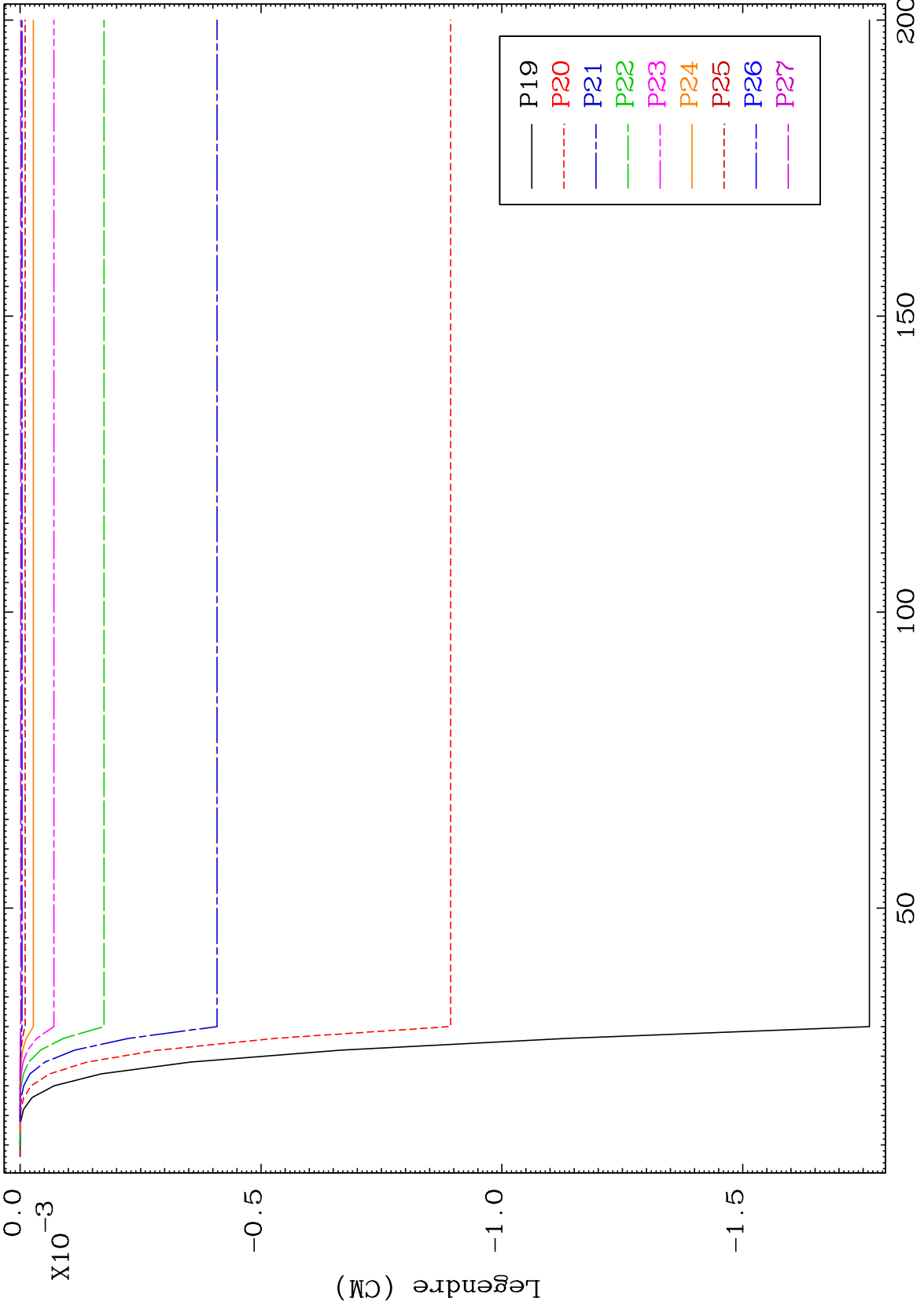
84 40-Zr-95

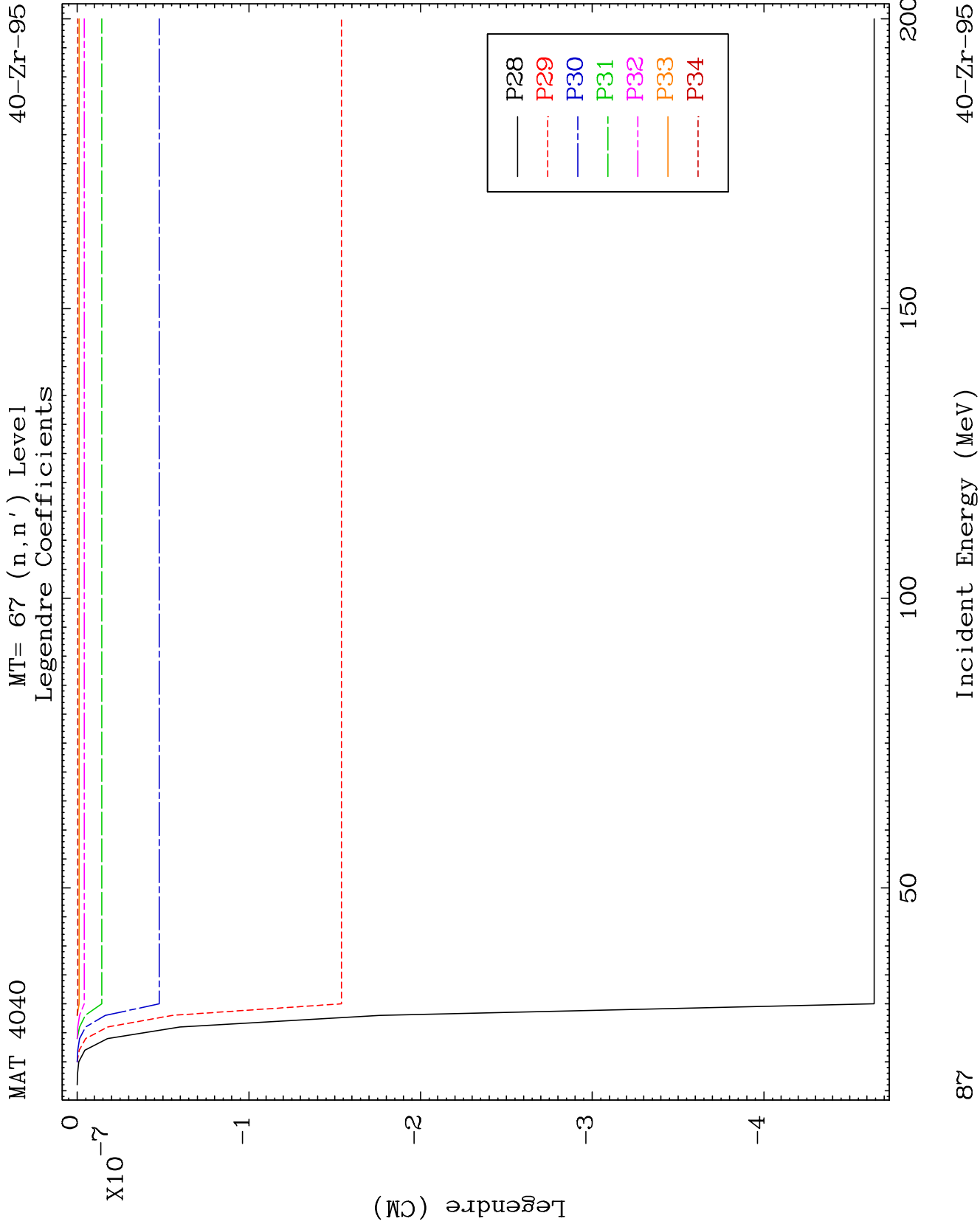
MAT 4040 MT= 67 (n,n') Level Legendre Coefficients 40-Zr-95



85 Incident Energy (MeV) 40-Zr-95

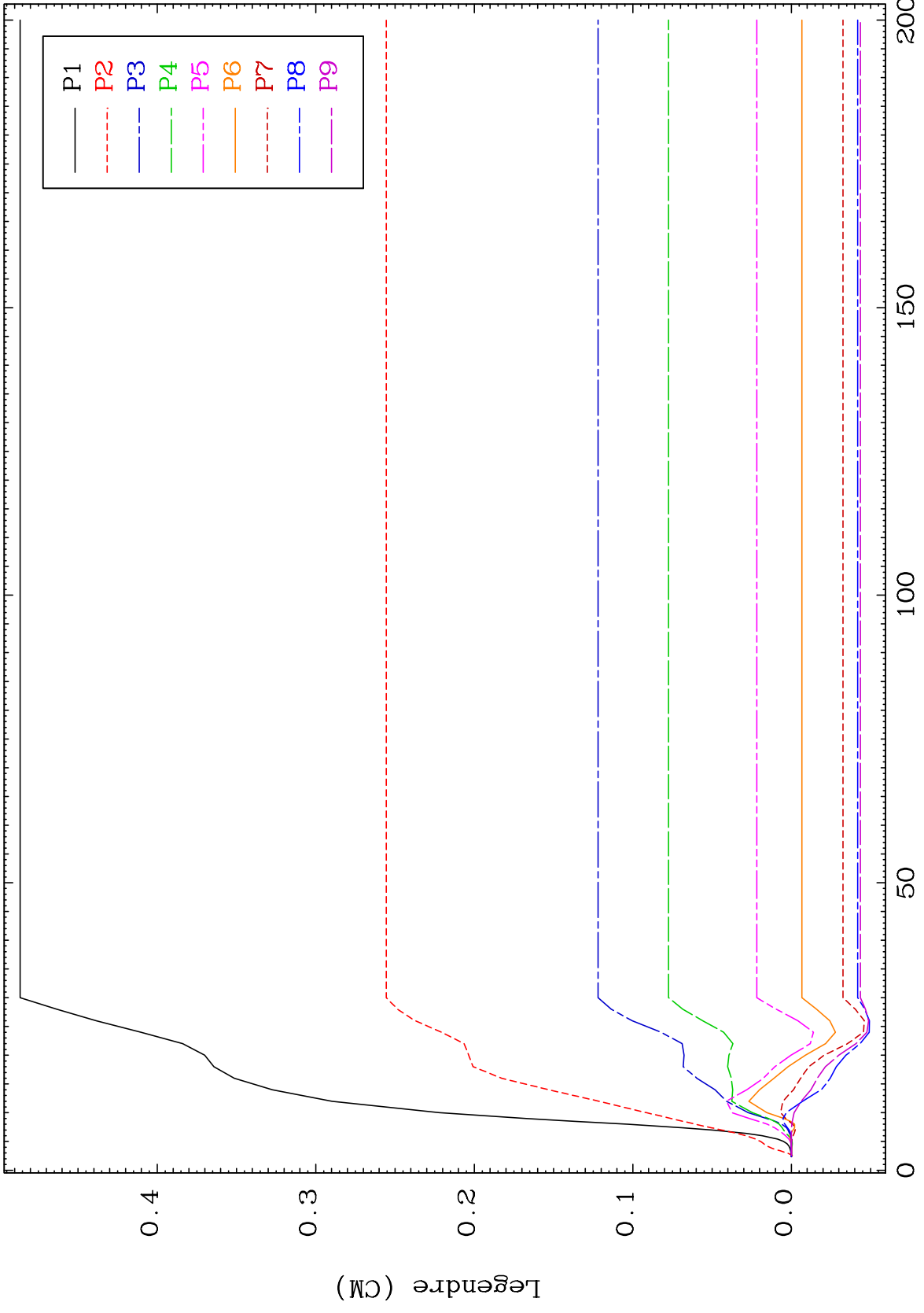
MAT 4040 MT= 67 (n,n') Level Legendre Coefficients 40-Zr-95



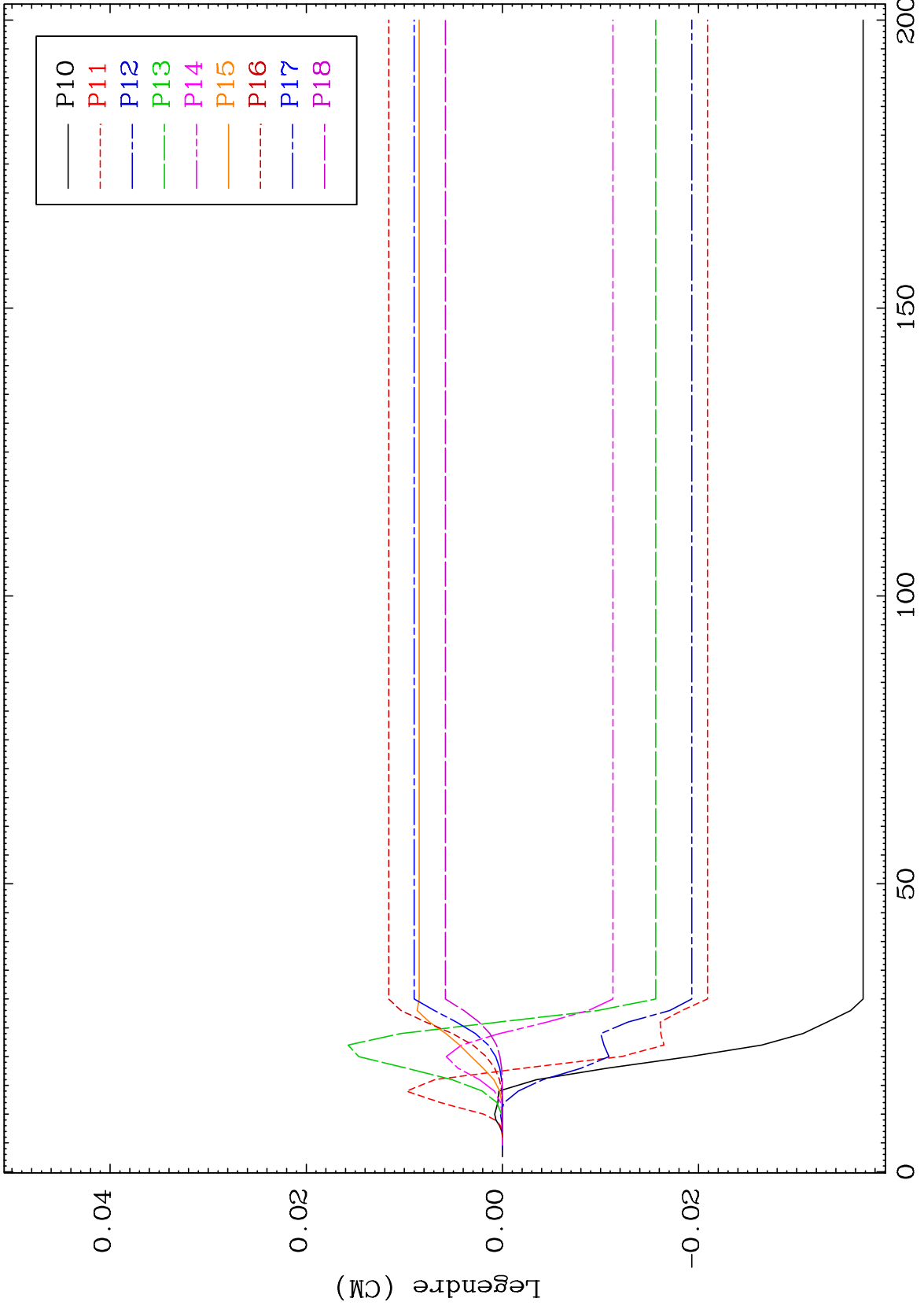




MAT 4040 MT= 68 (n,n') Level Legendre Coefficients 40-Zr-95

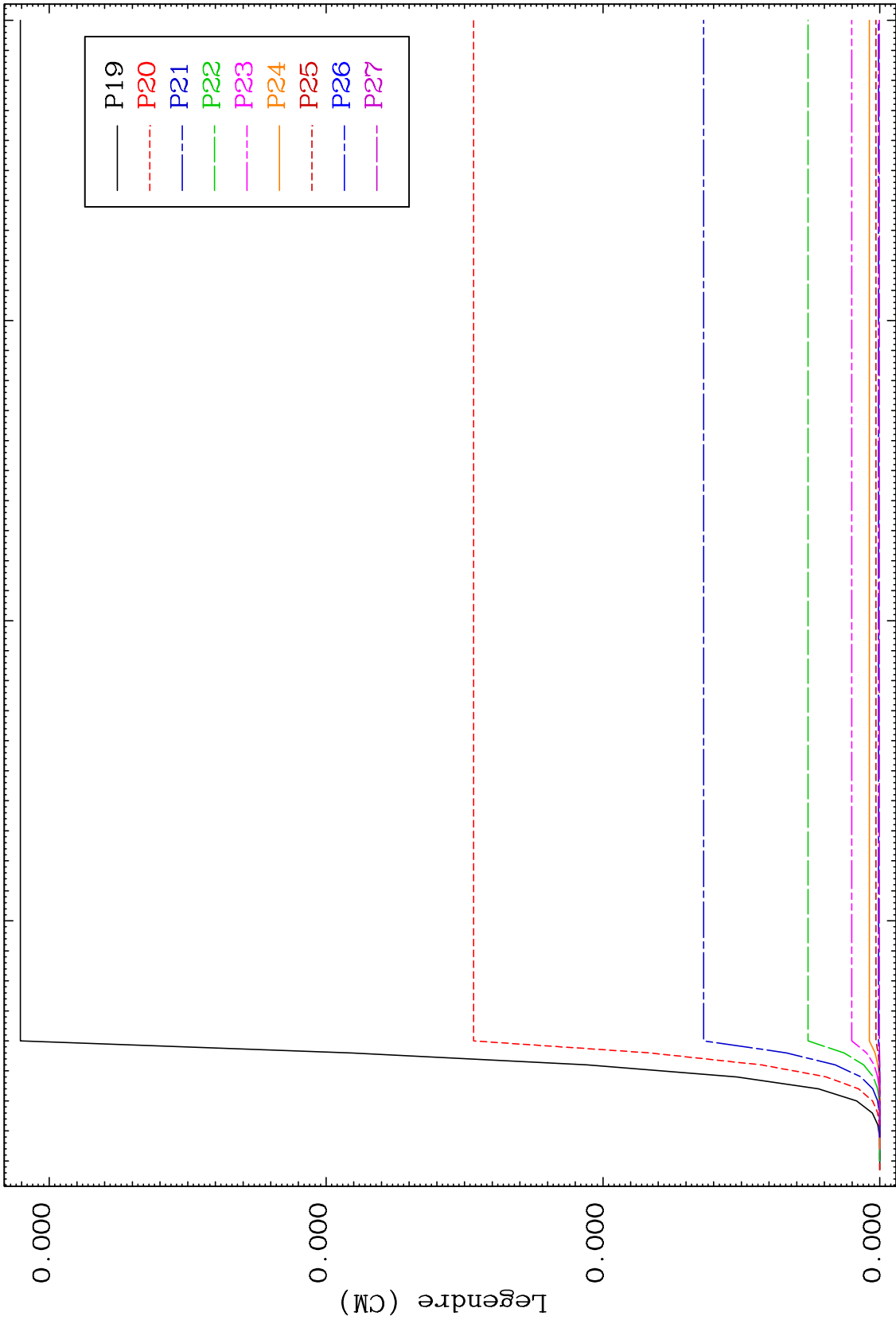


MAT 4040 MT= 68 (n,n') Level Legendre Coefficients 40-Zr-95



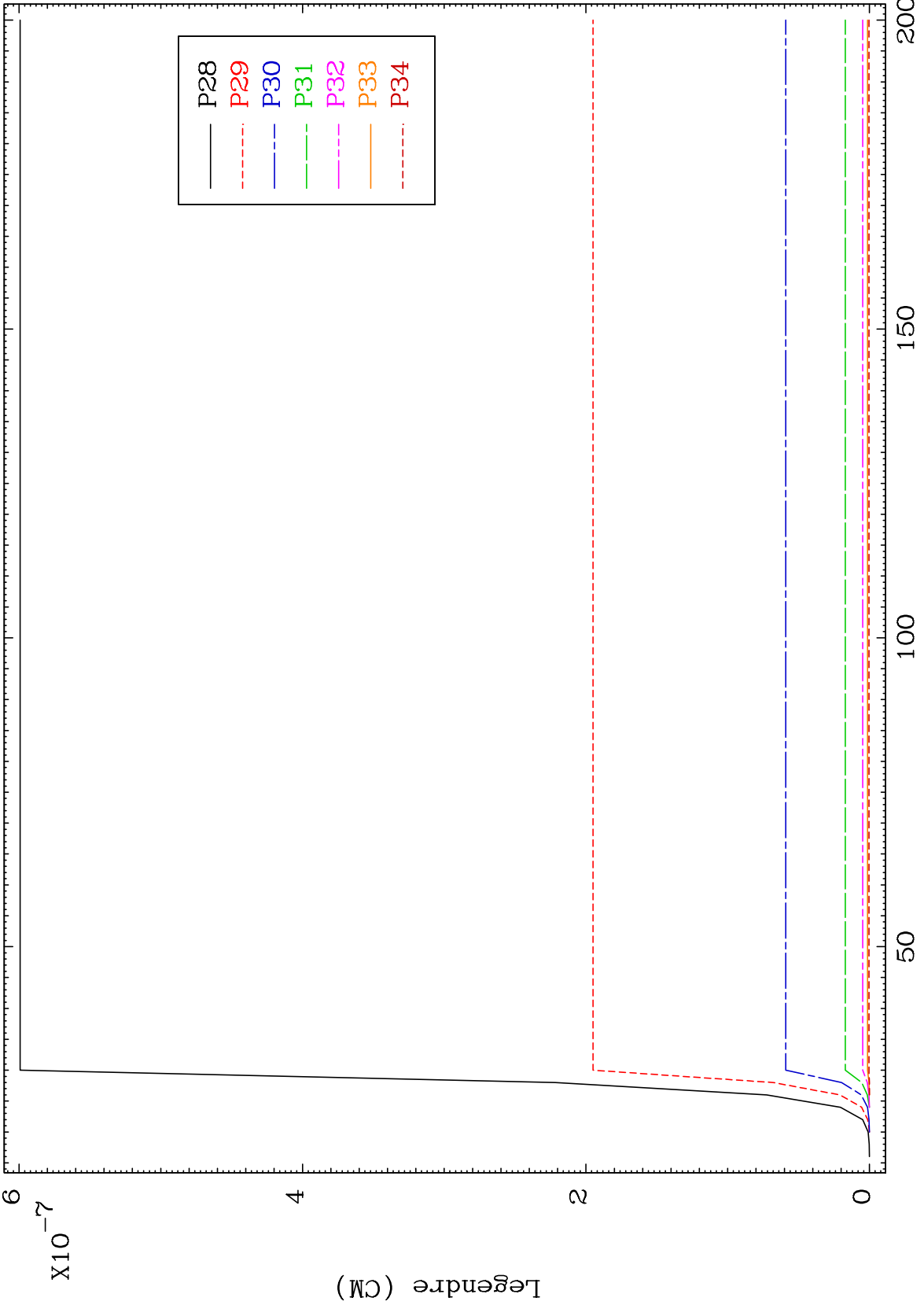
89 Incident Energy (MeV) 40-Zr-95

MAT 4040 MT= 68 (n,n') Level Legendre Coefficients 40-Zr-95

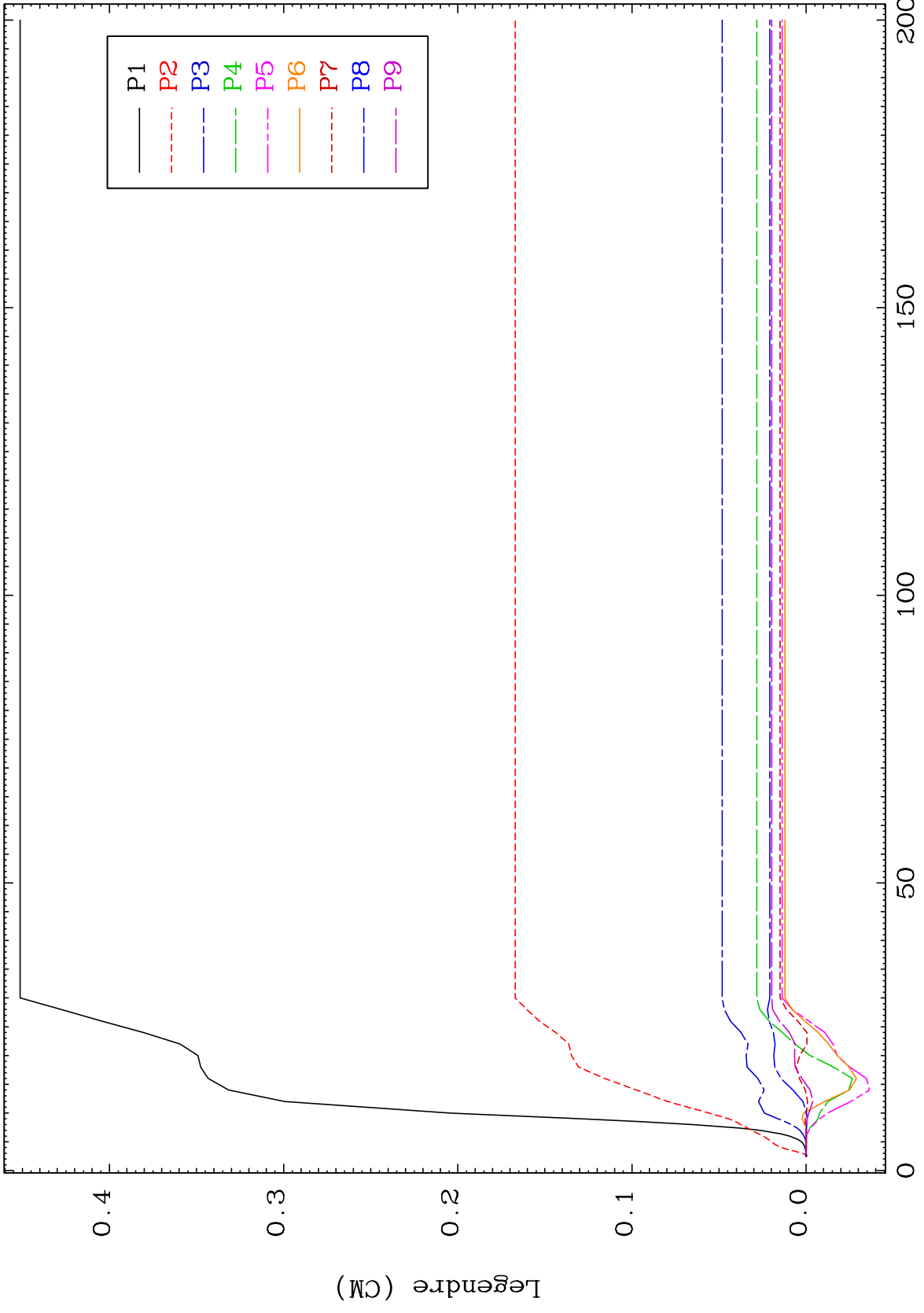


90 50 100 150 200 Incident Energy (MeV) 40-Zr-95

MAT 4040 MT= 68 (n,n') Level Legendre Coefficients 40-Zr-95

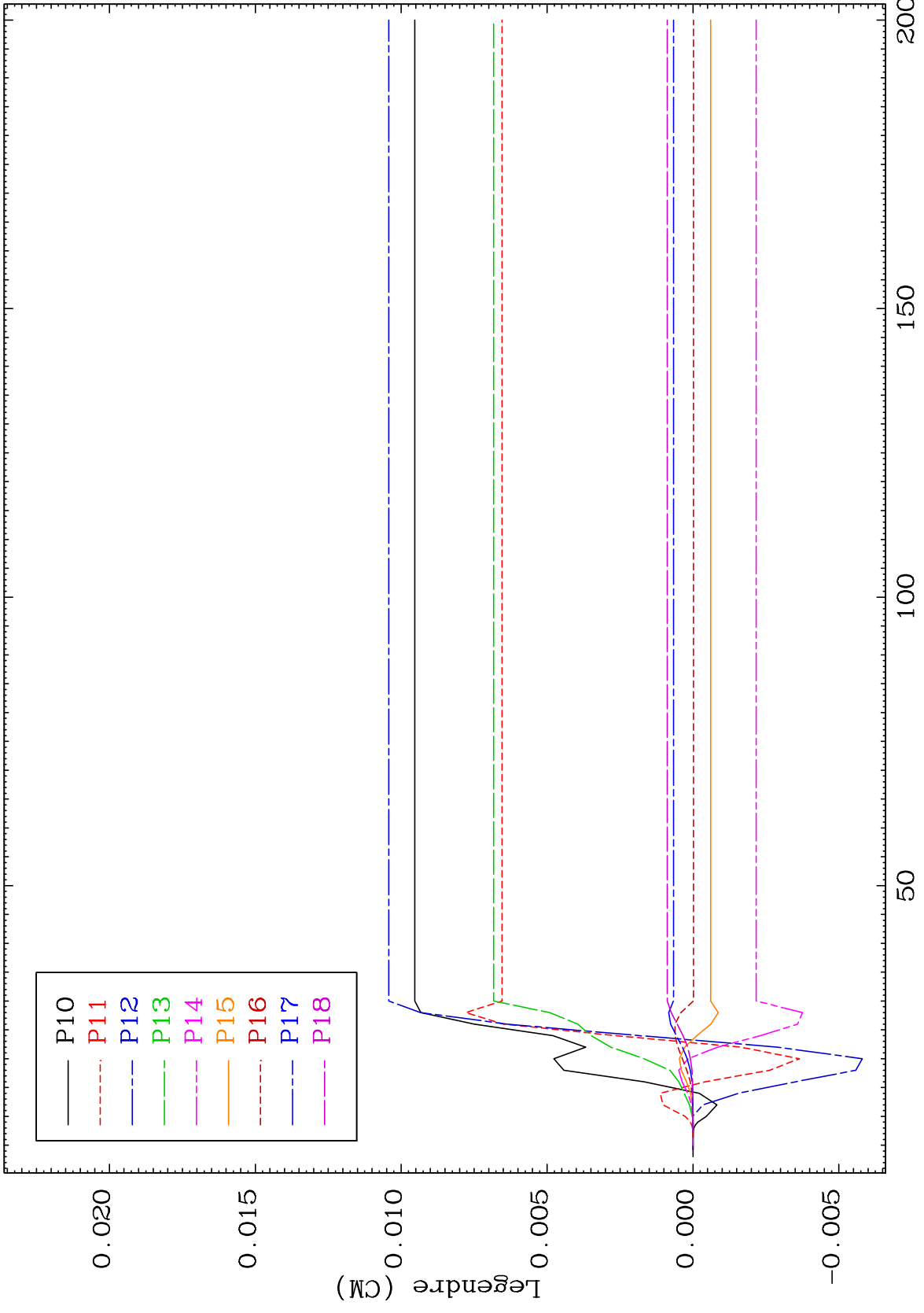


MAT 4040 MT= 69 (n,n') Level Legendre Coefficients 40-Zr-95

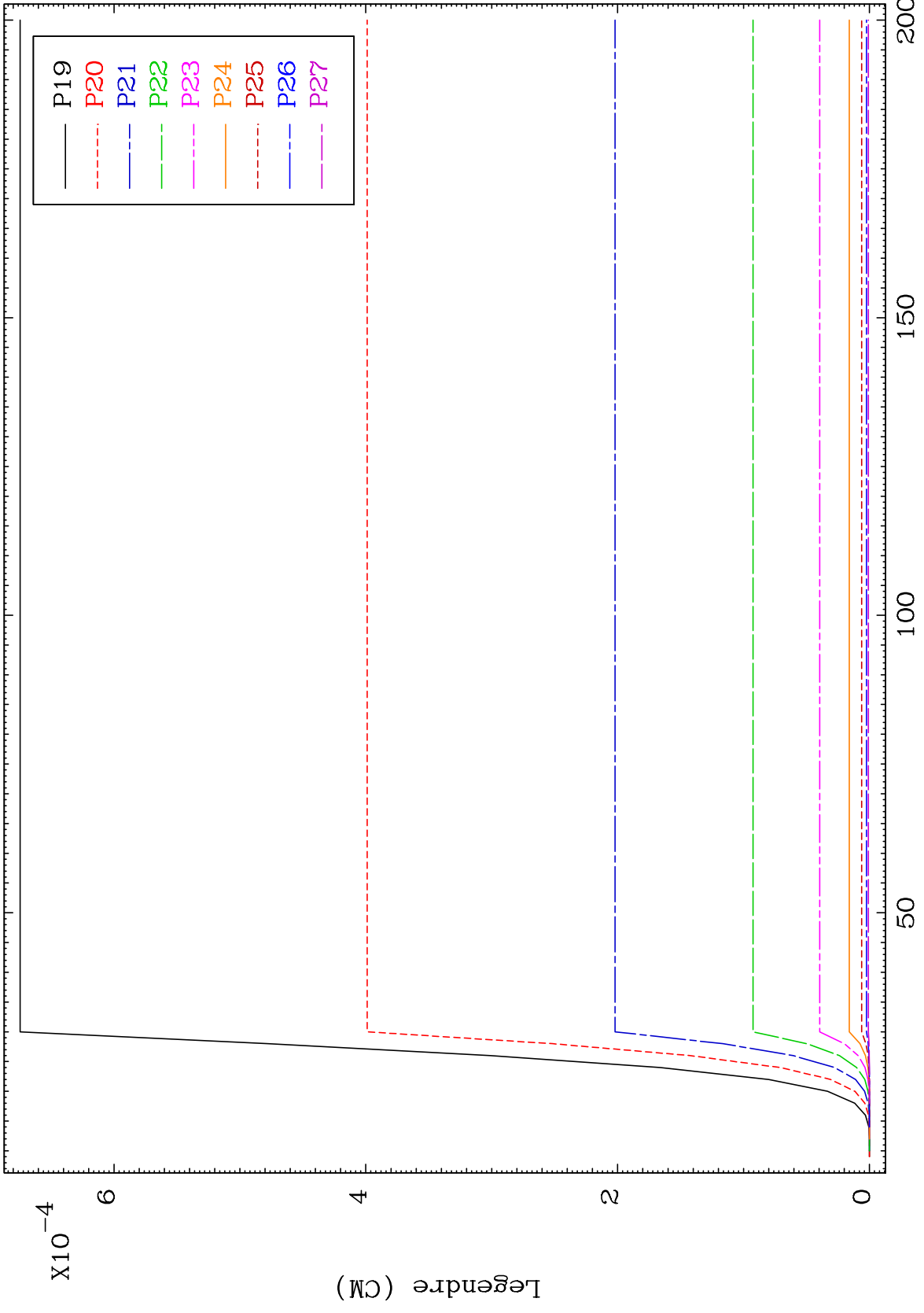


92 Incident Energy (MeV) 40-Zr-95

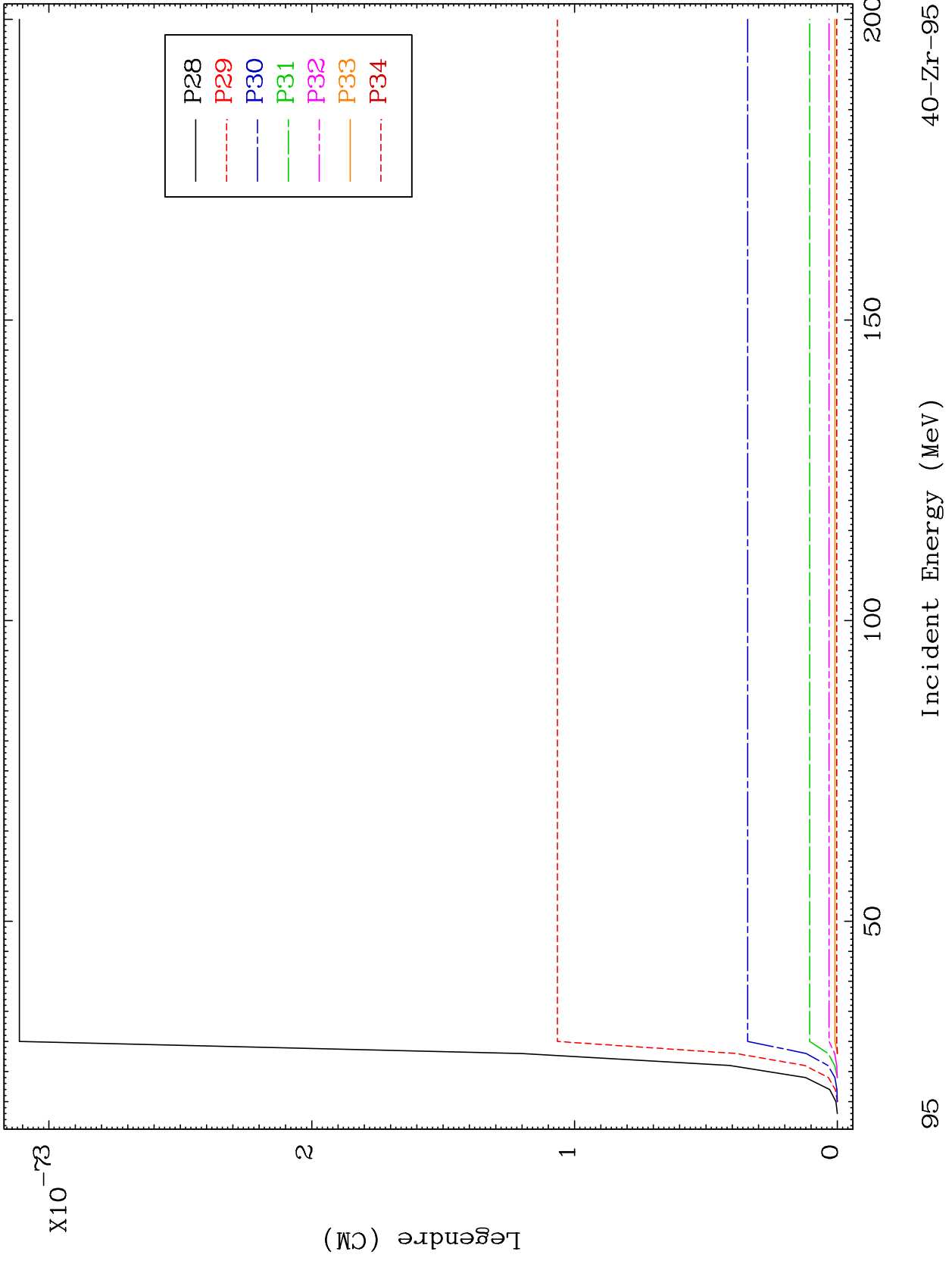
MAT 4040 MT= 69 (n,n') Level Legendre Coefficients 40-Zr-95



MAT 4040 MT= 69 (n,n') Level Legendre Coefficients 40-Zr-95

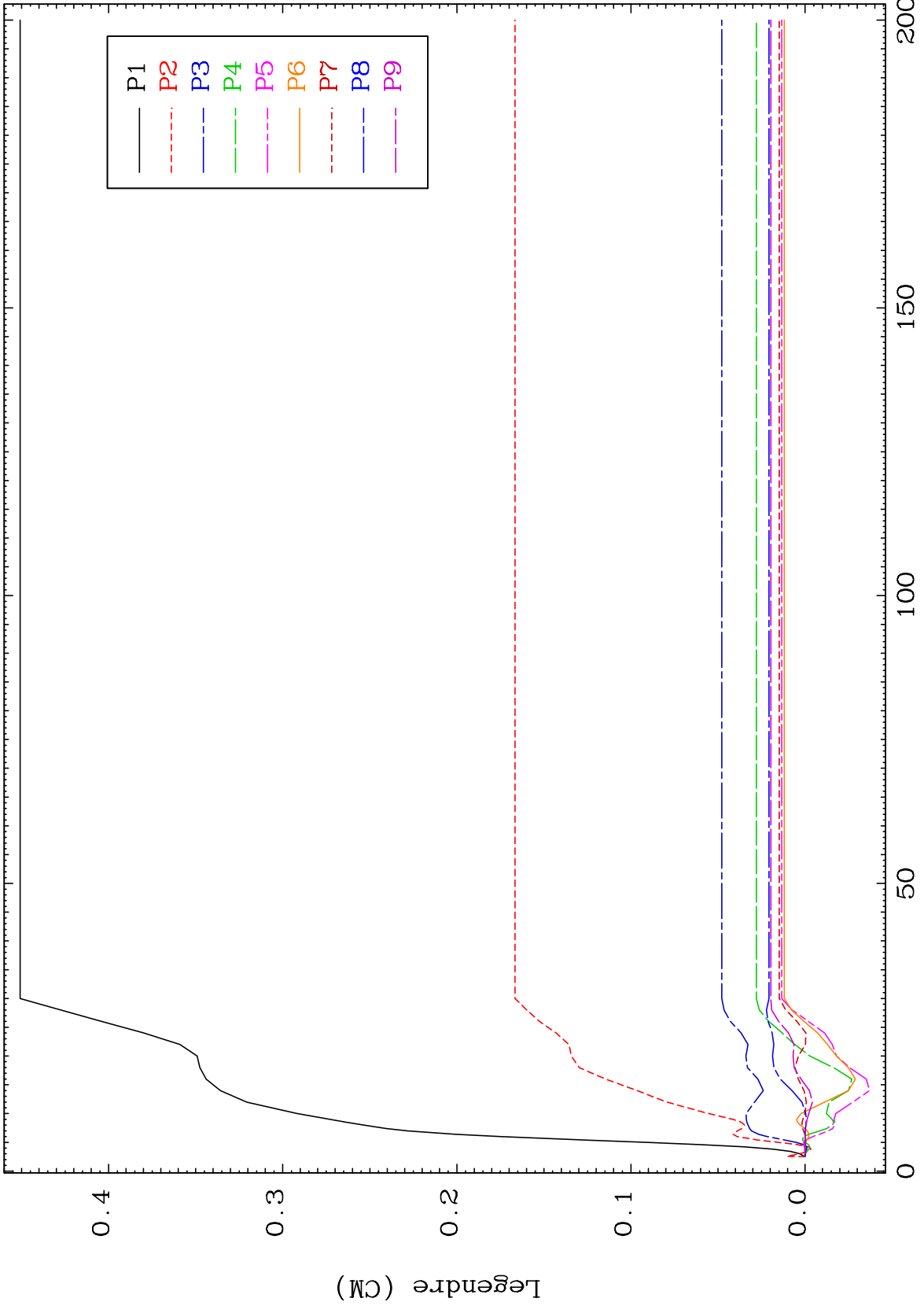


MAT 4040 MT= 69 (n,n') Level Legendre Coefficients 40-Zr-95



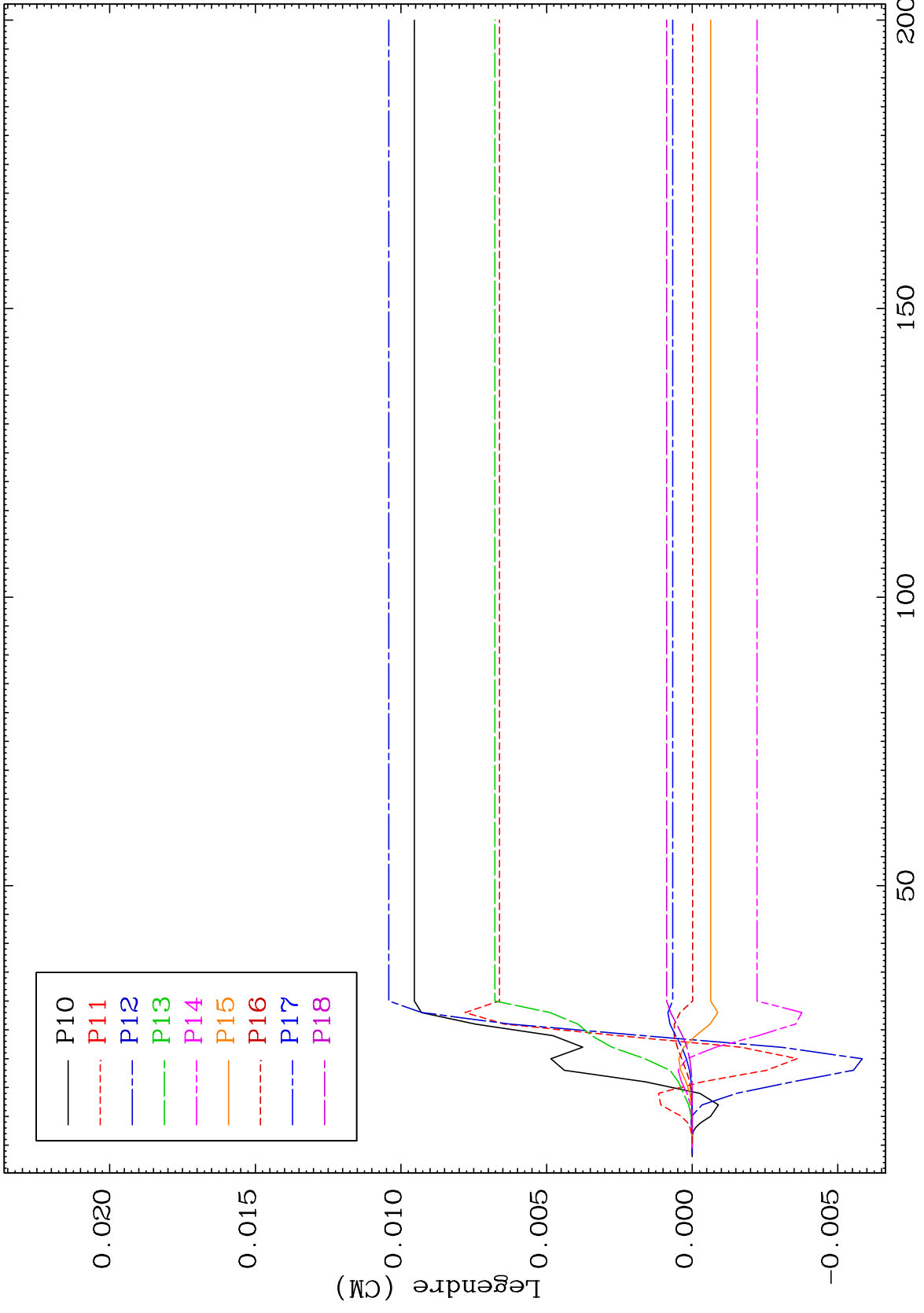


MAT 4040 MT= 70 (n,n') Level Legendre Coefficients 40-Zr-95

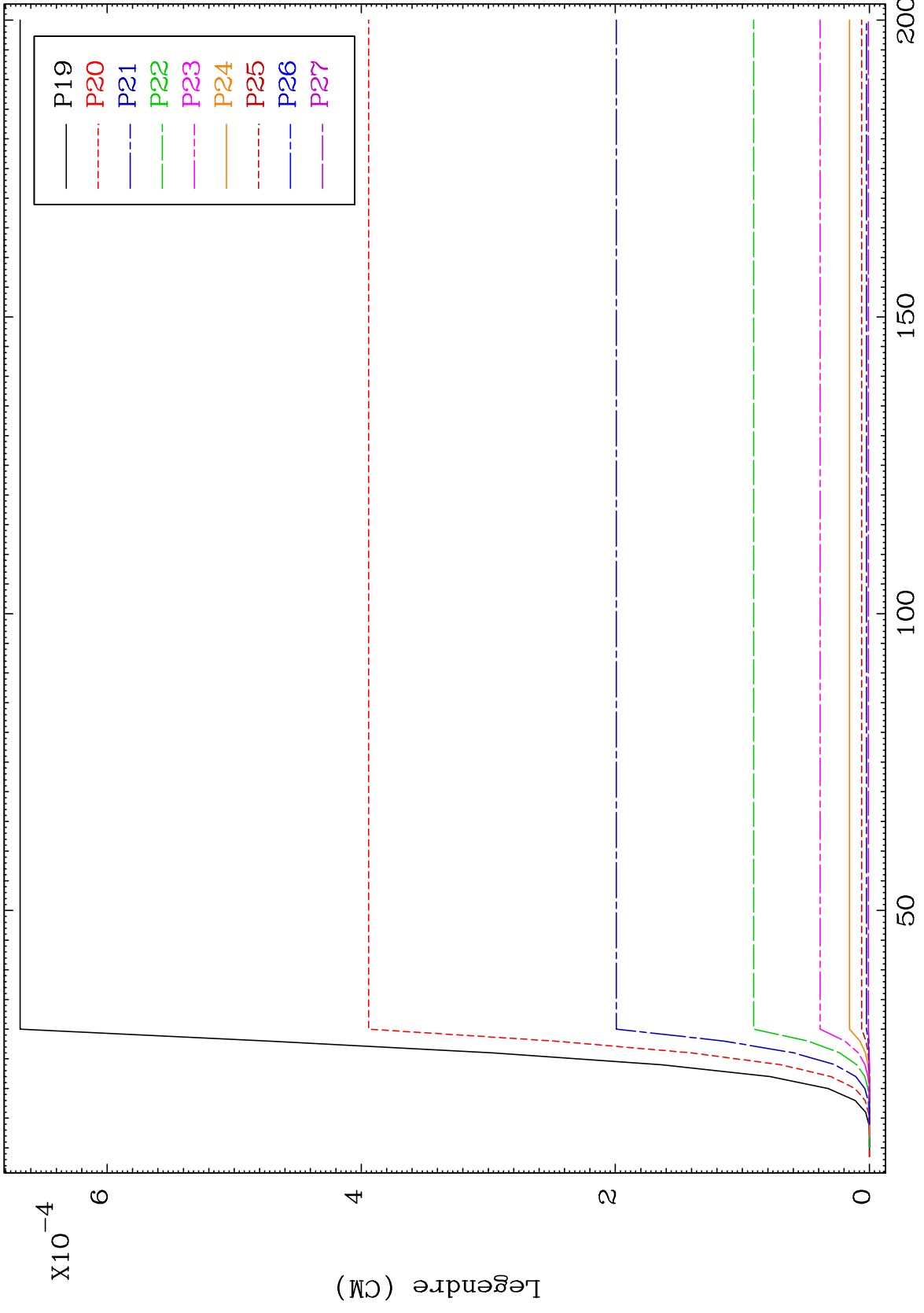


96 Incident Energy (MeV) 40-Zr-95

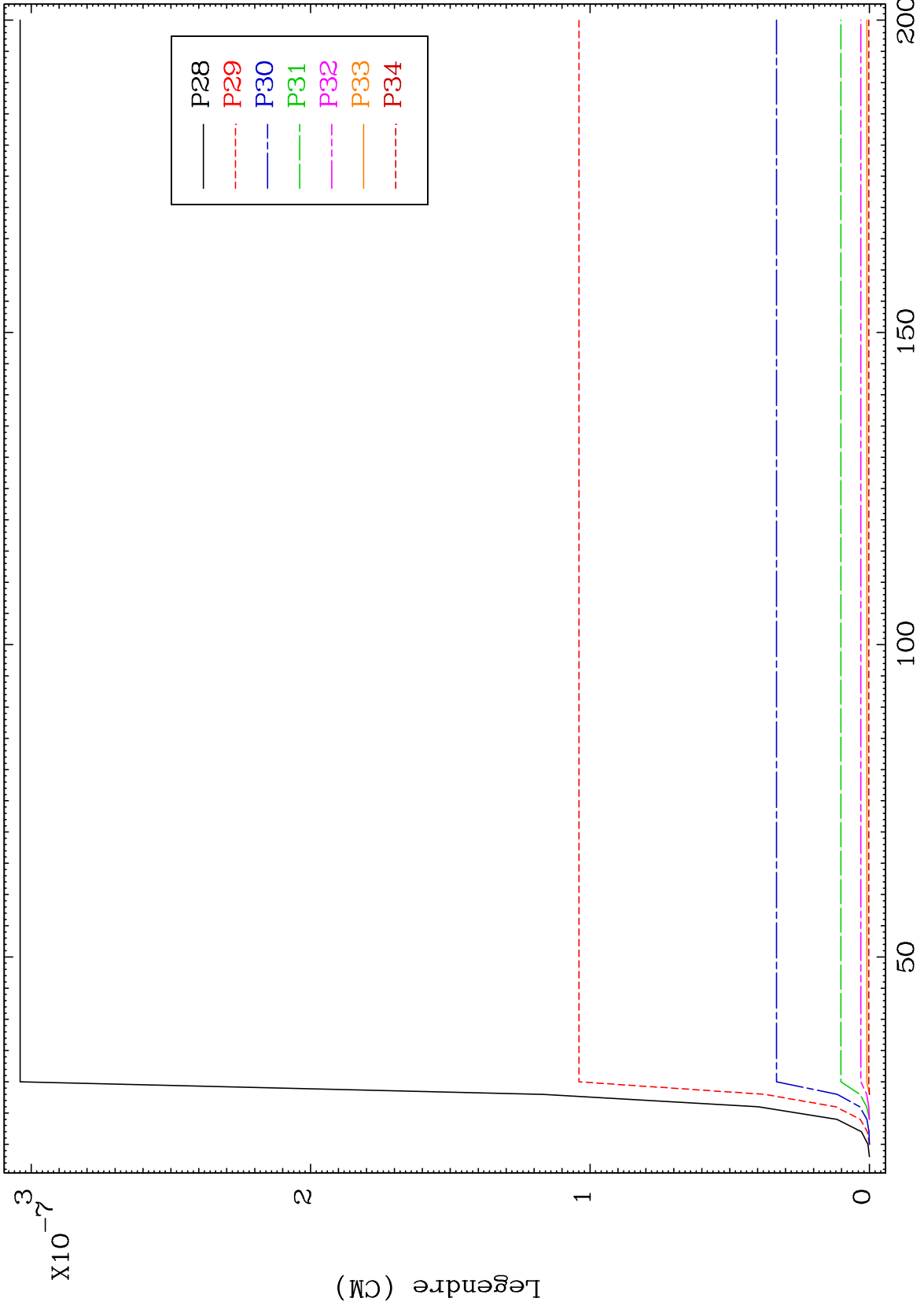
MAT 4040 MT= 70 (n,n') Level Legendre Coefficients 40-Zr-95



MAT 4040 MT= 70 (n,n') Level Legendre Coefficients 40-Zr-95

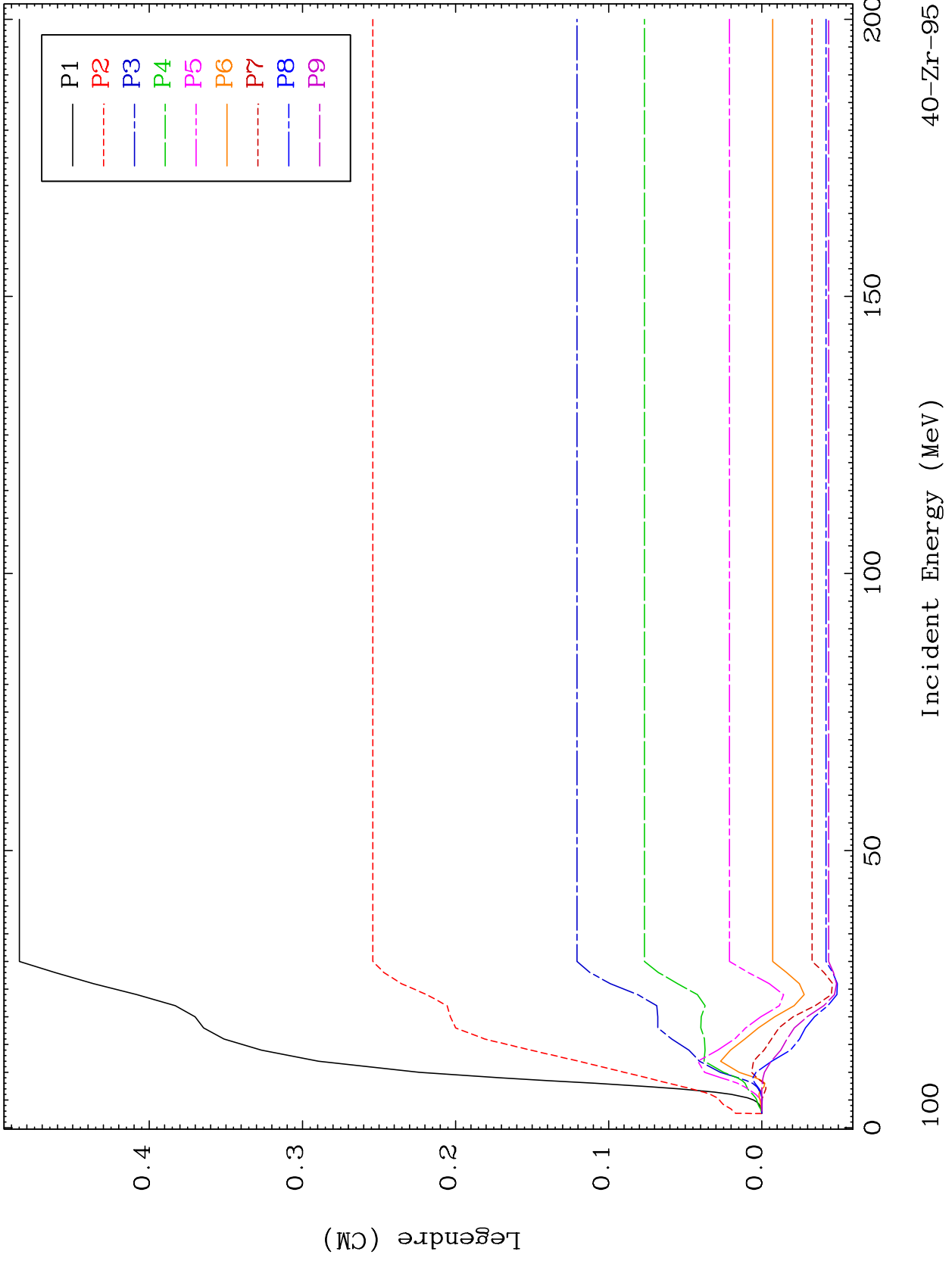


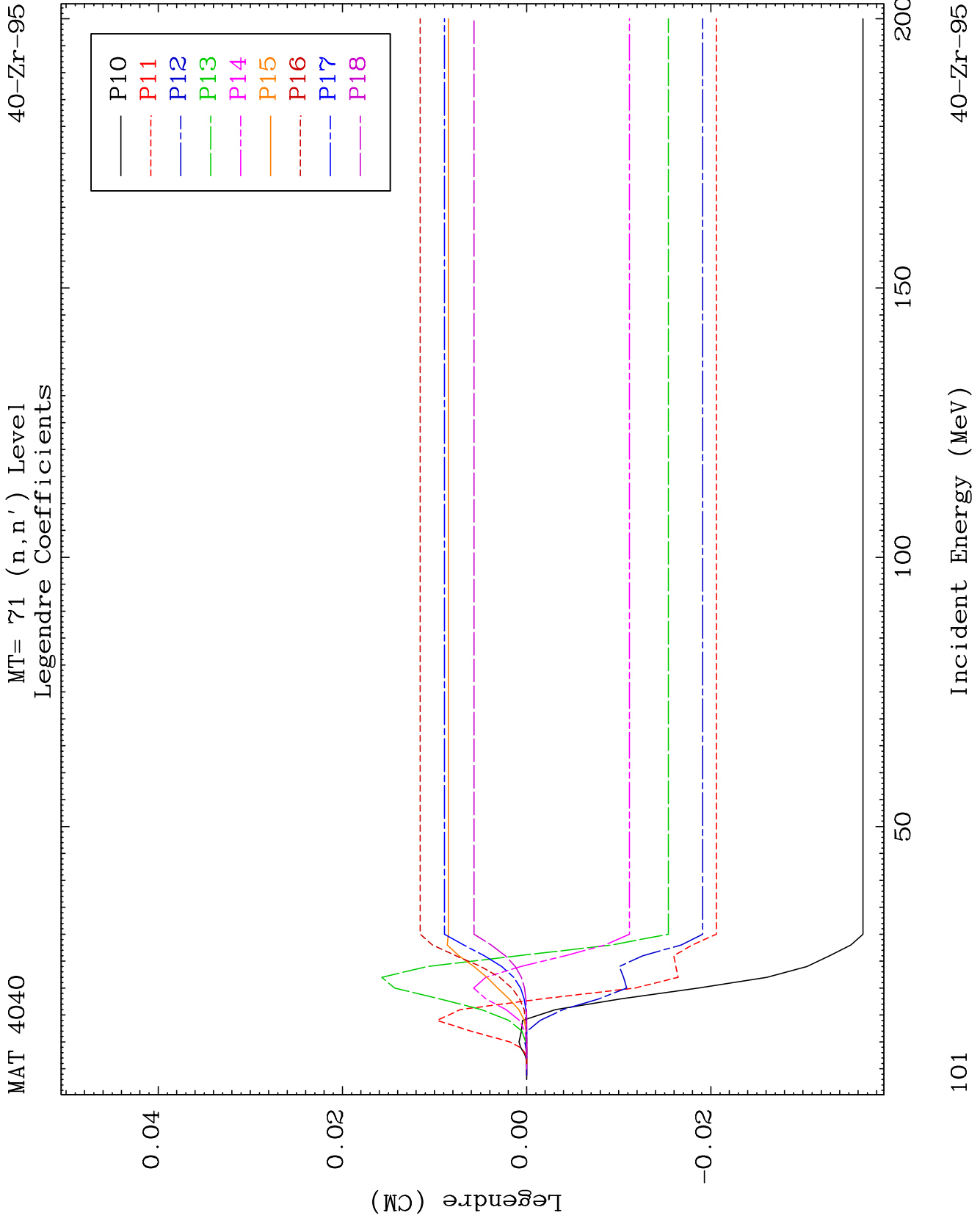
MAT 4040 MT= 70 (n,n') Level Legendre Coefficients 40-Zr-95



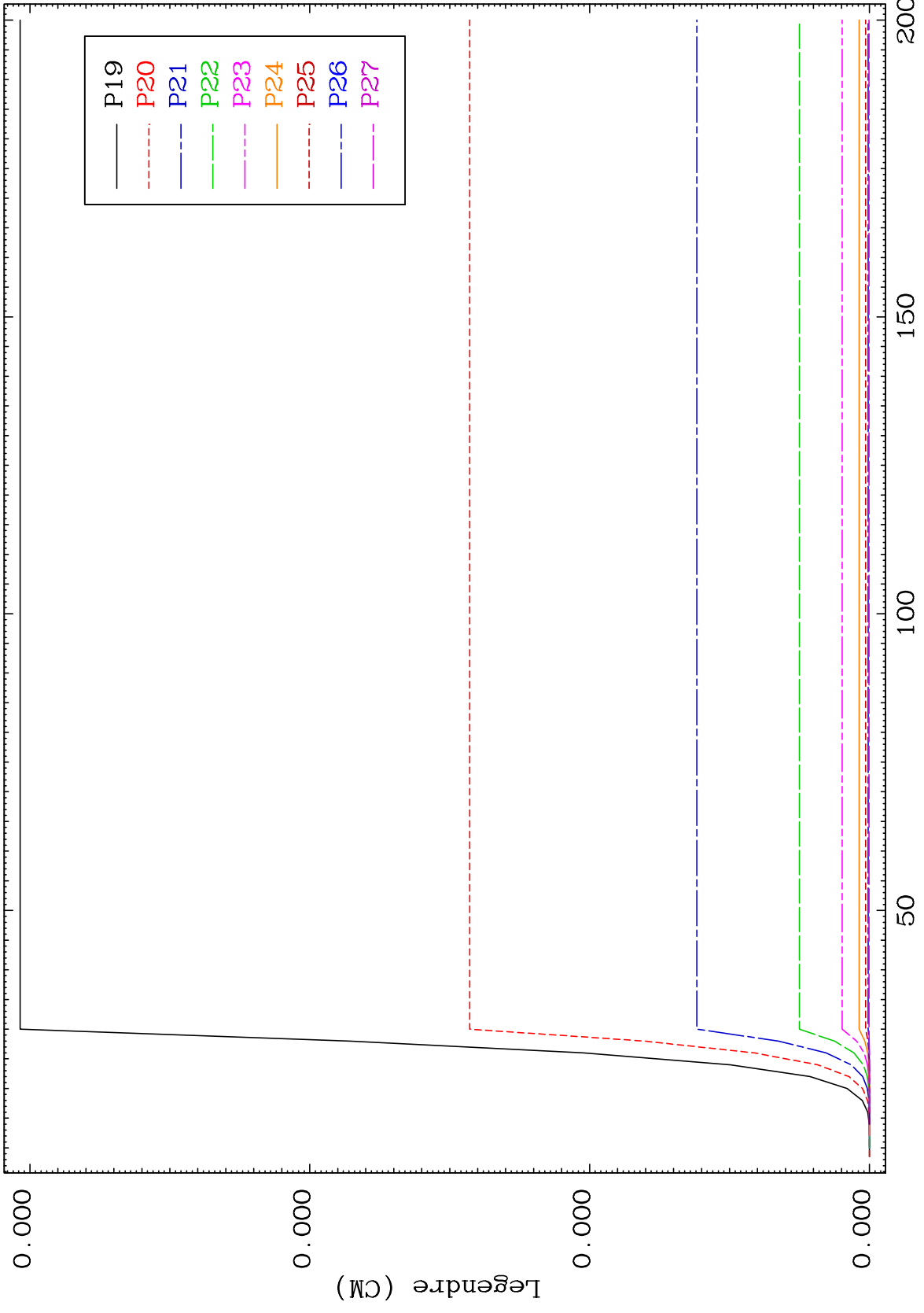
99 40-Zr-95

MAT 4040 MT= 71 (n,n') Level Legendre Coefficients 40-Zr-95



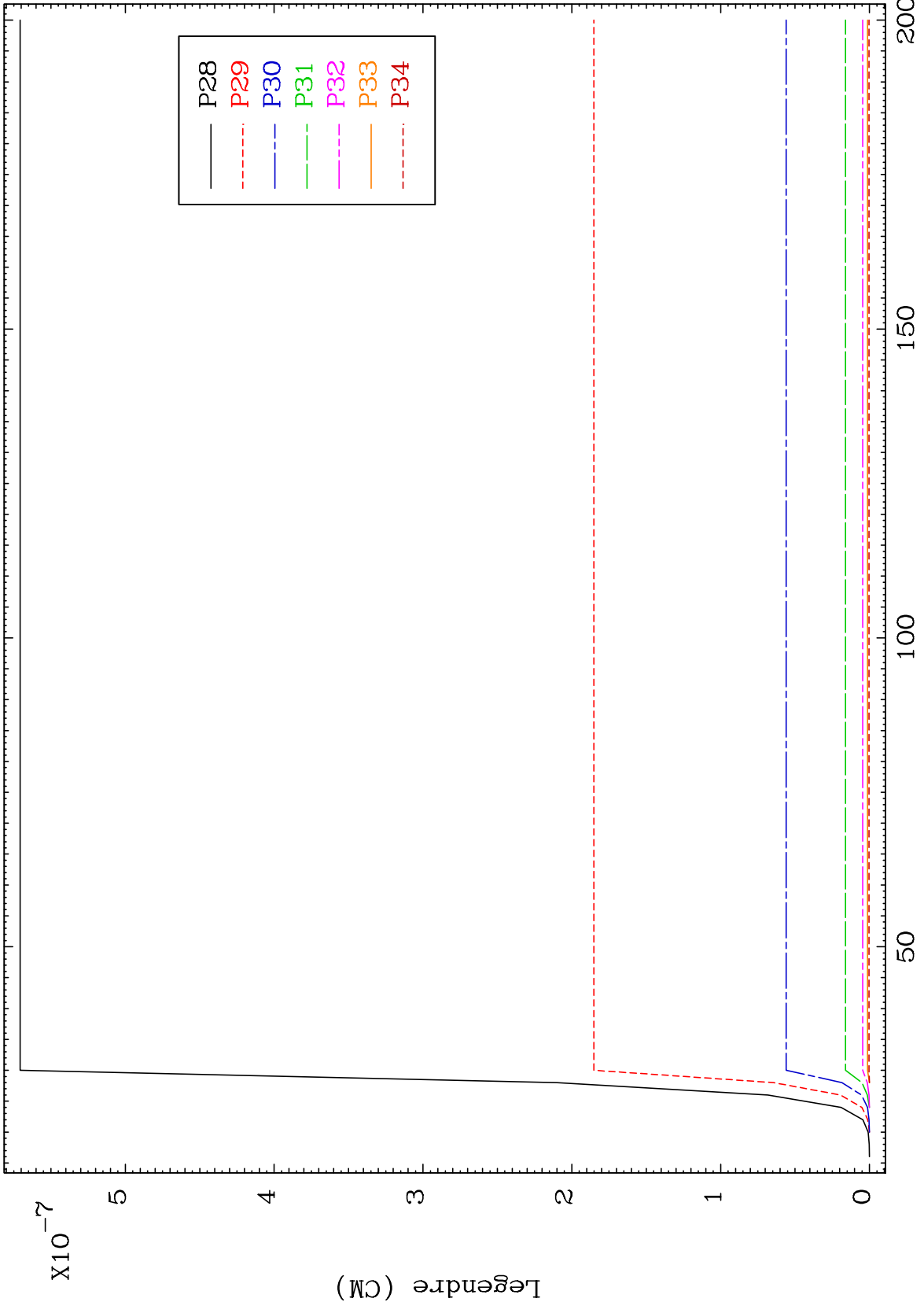


MAT 4040 MT= 71 (n,n') Level Legendre Coefficients 40-Zr-95



102 50 100 150 200 Incident Energy (MeV) 40-Zr-95

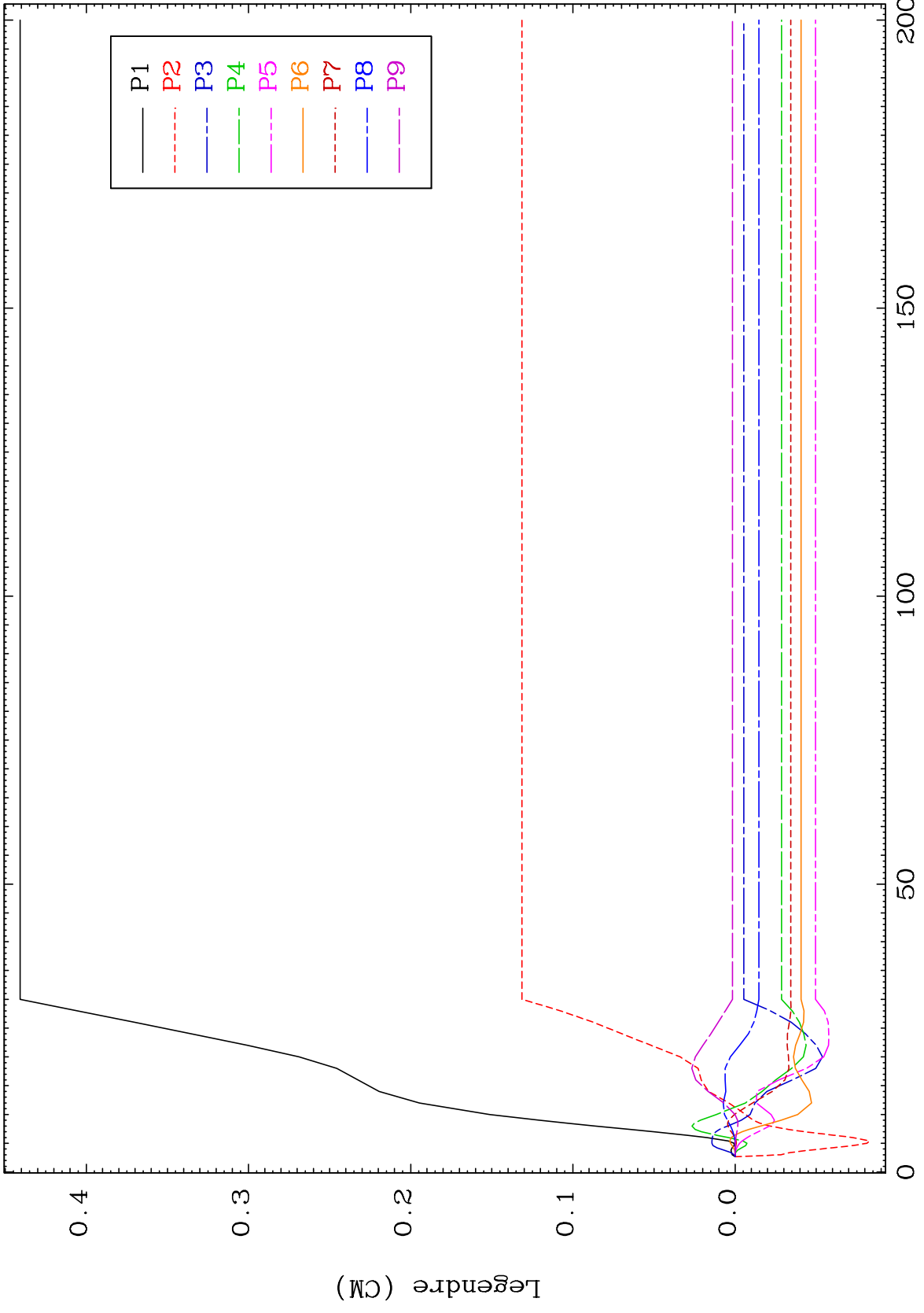
MAT 4040 MT= 71 (n,n') Level Legendre Coefficients 40-Zr-95



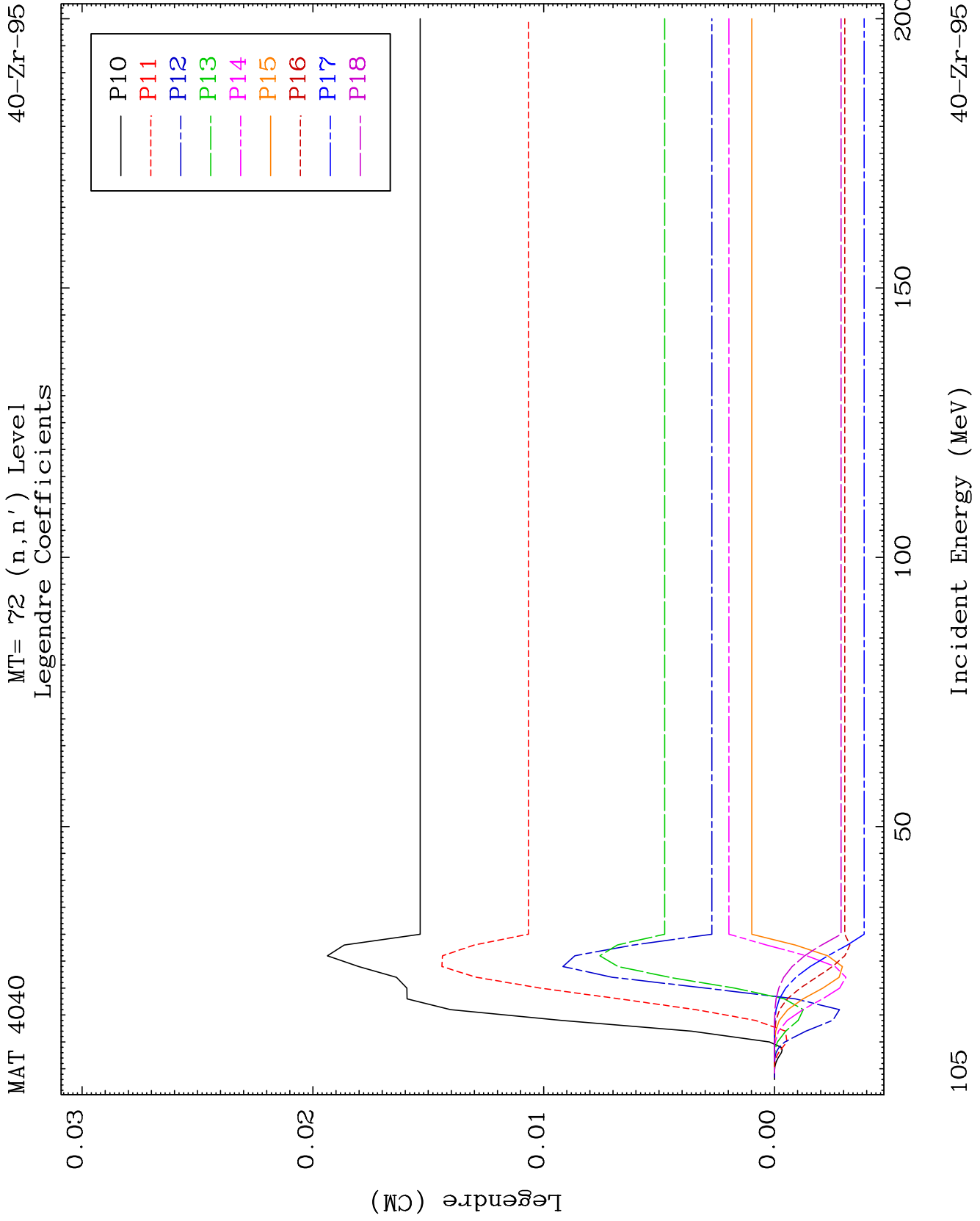
103 50 100 150 200 40-Zr-95



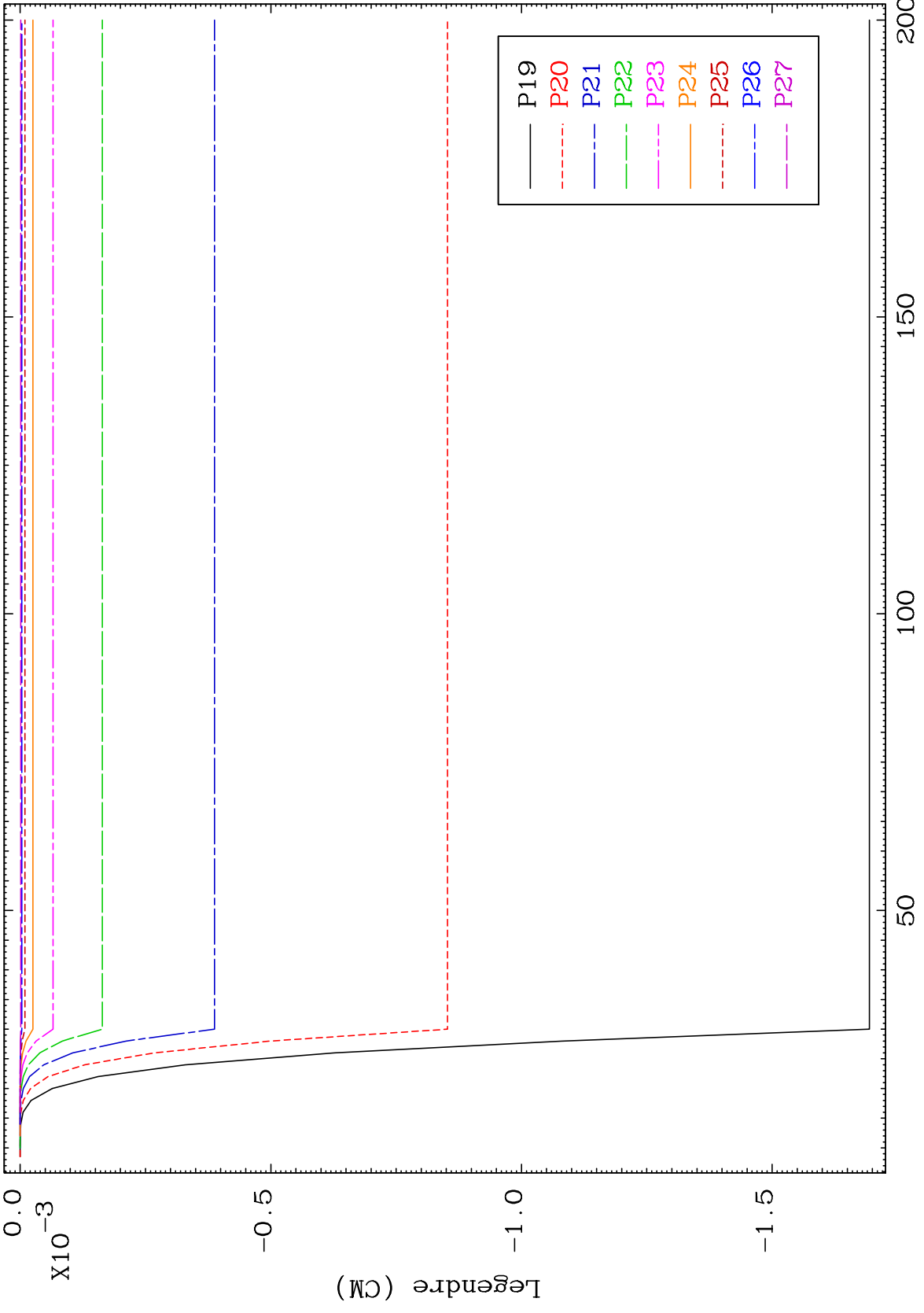
MAT 4040 MT= 72 (n,n') Level Legendre Coefficients 40-Zr-95



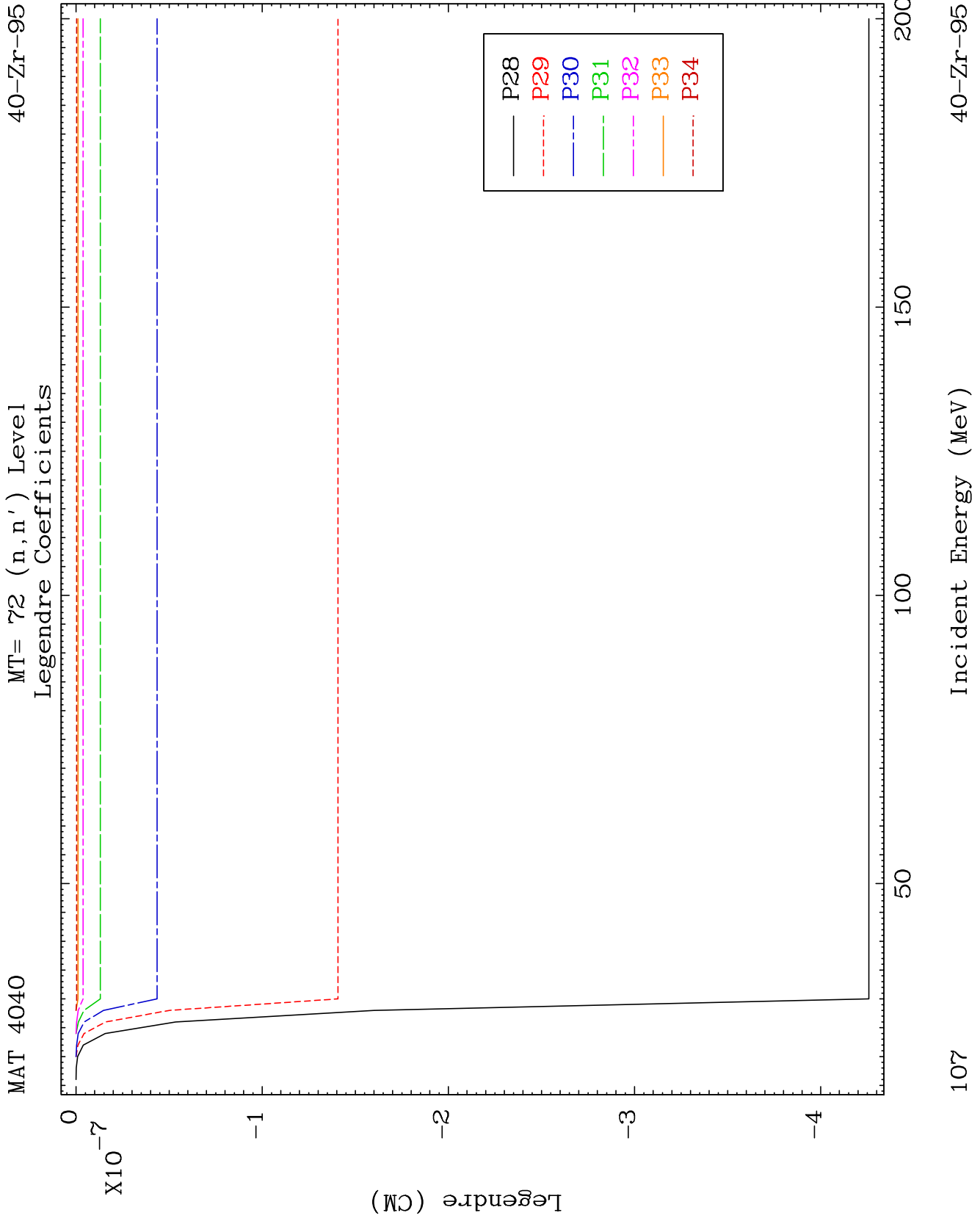
104 Incident Energy (MeV) 40-Zr-95



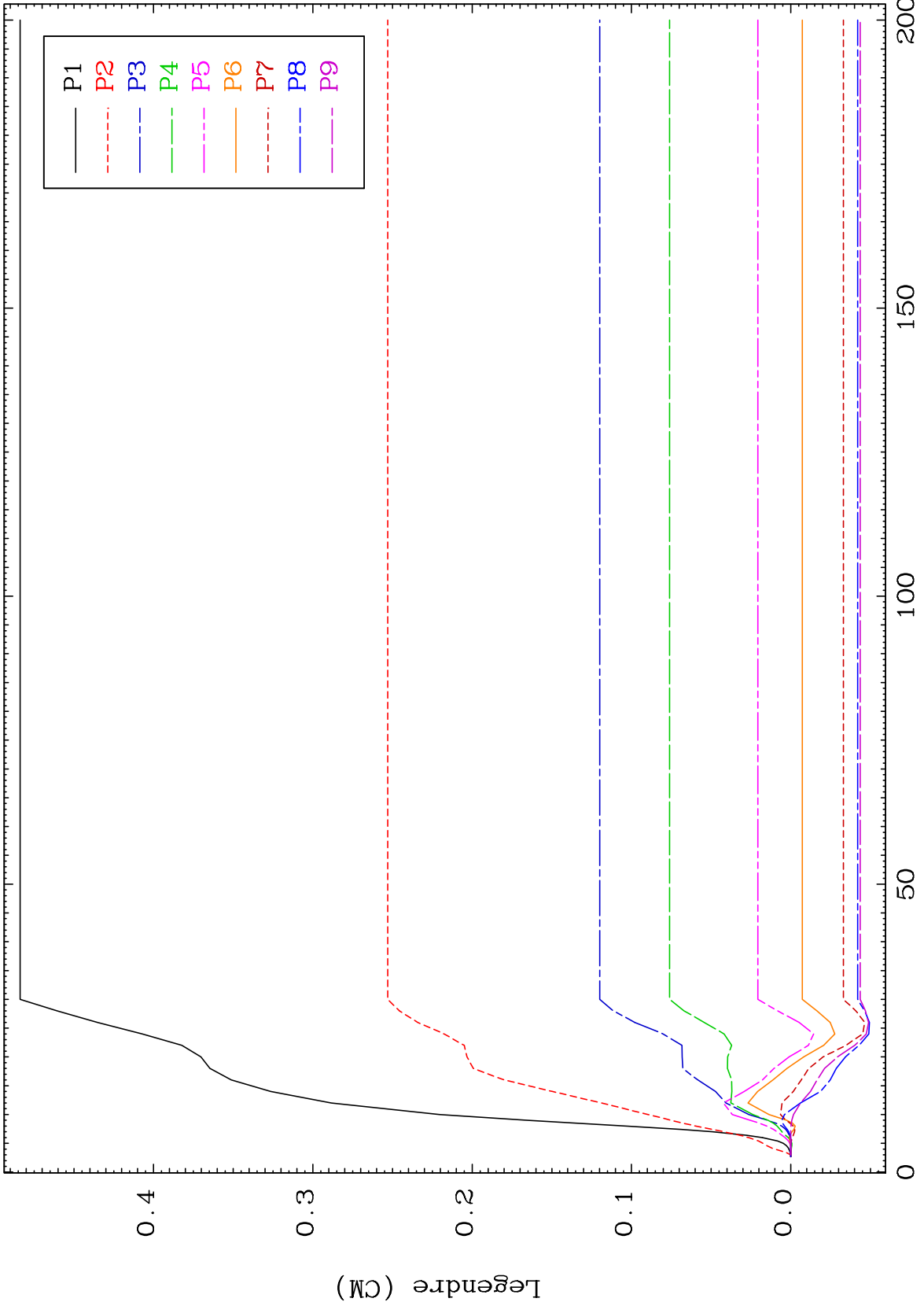
MAT 4040 MT= 72 (n,n') Level Legendre Coefficients 40-Zr-95



106 Incident Energy (MeV) 40-Zr-95



MAT 4040 MT= 73 (n,n') Level Legendre Coefficients 40-Zr-95

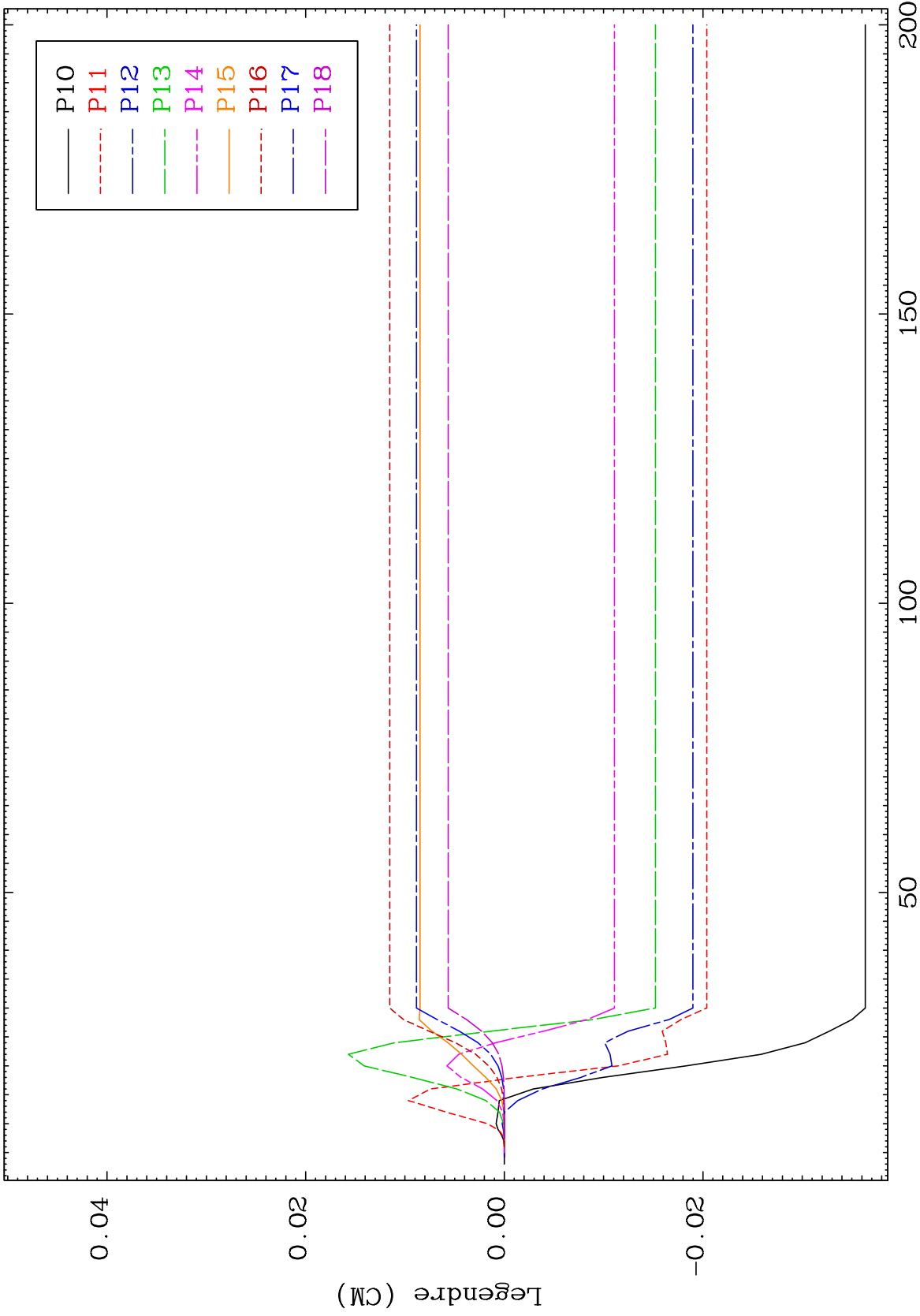


108 40-Zr-95

MAT 4040

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

40-Zr-95

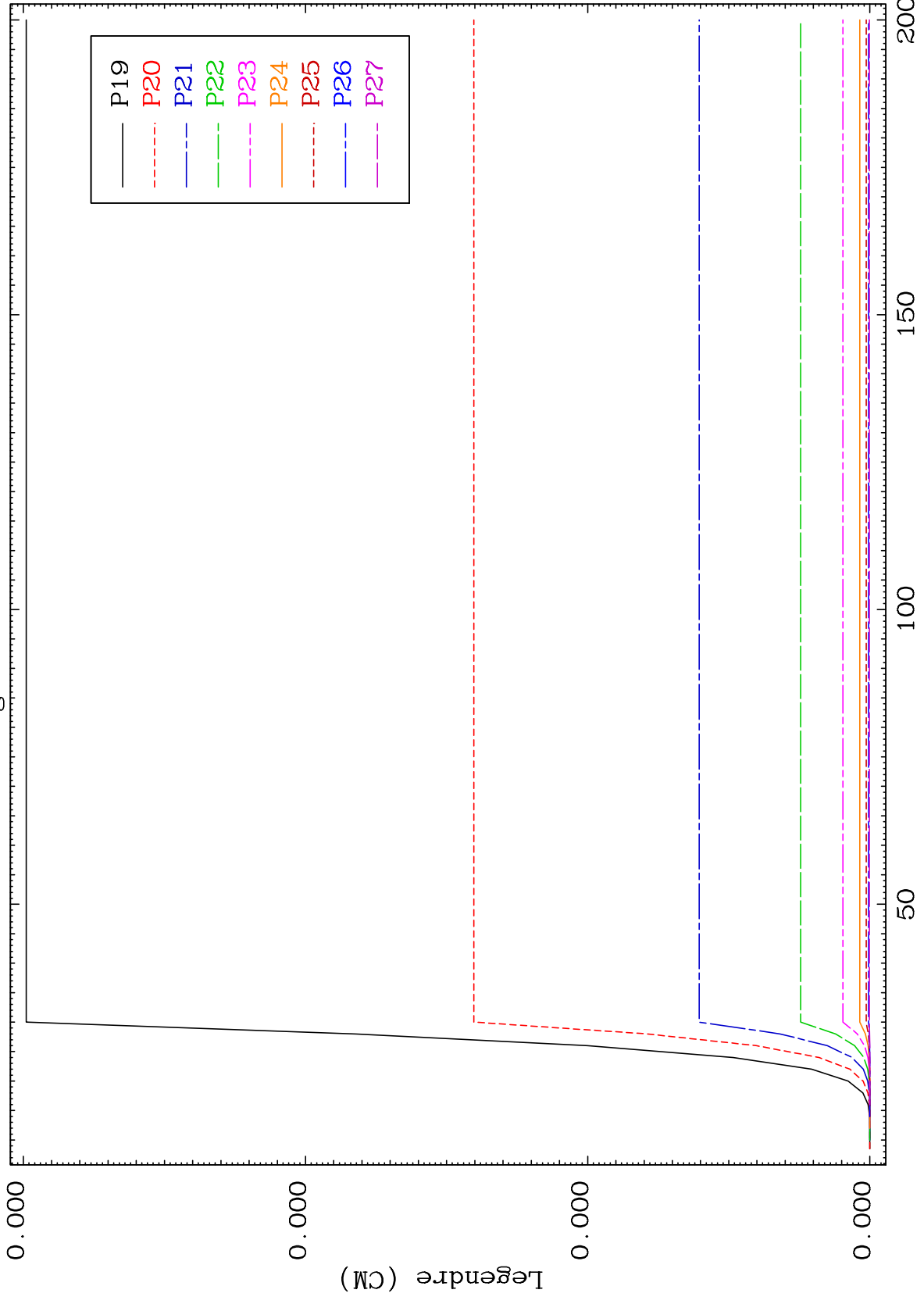


109

Incident Energy (MeV)

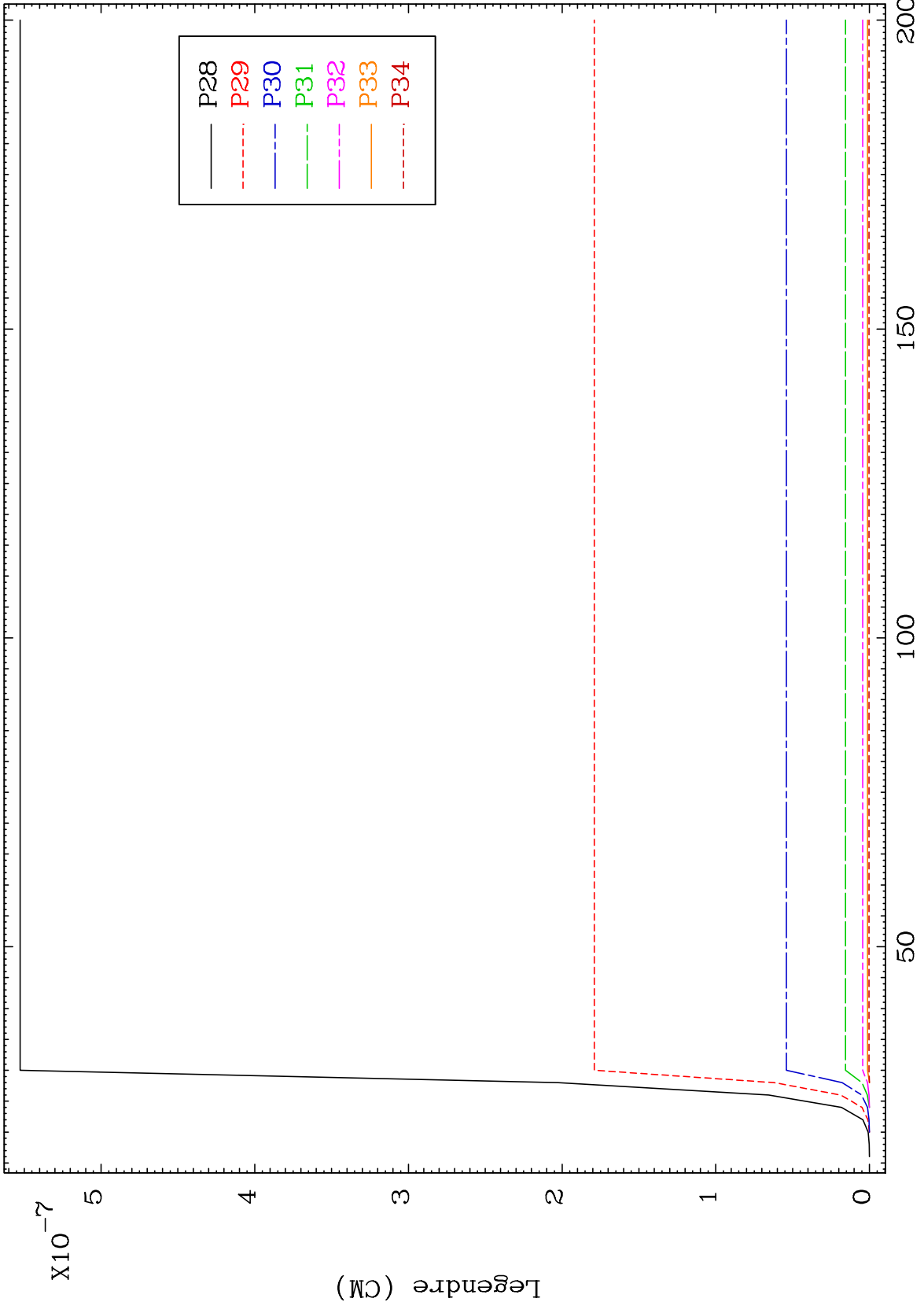
40-Zr-95

MAT 4040 MT= 73 (n,n') Level Legendre Coefficients 40-Zr-95



110 50 100 150 200 Incident Energy (MeV) 40-Zr-95

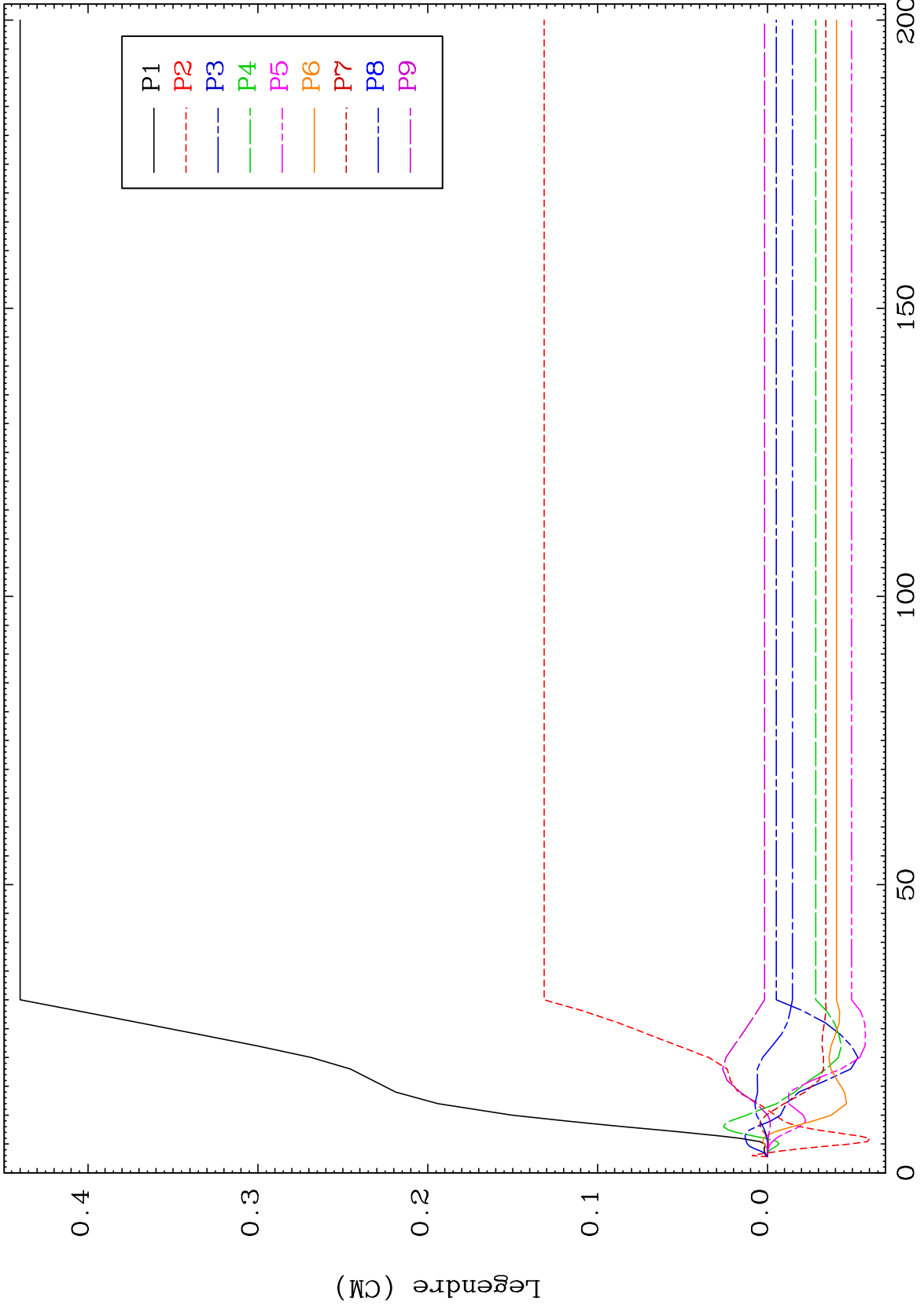
MAT 4040 MT= 73 (n,n') Level Legendre Coefficients 40-Zr-95



111 40-Zr-95

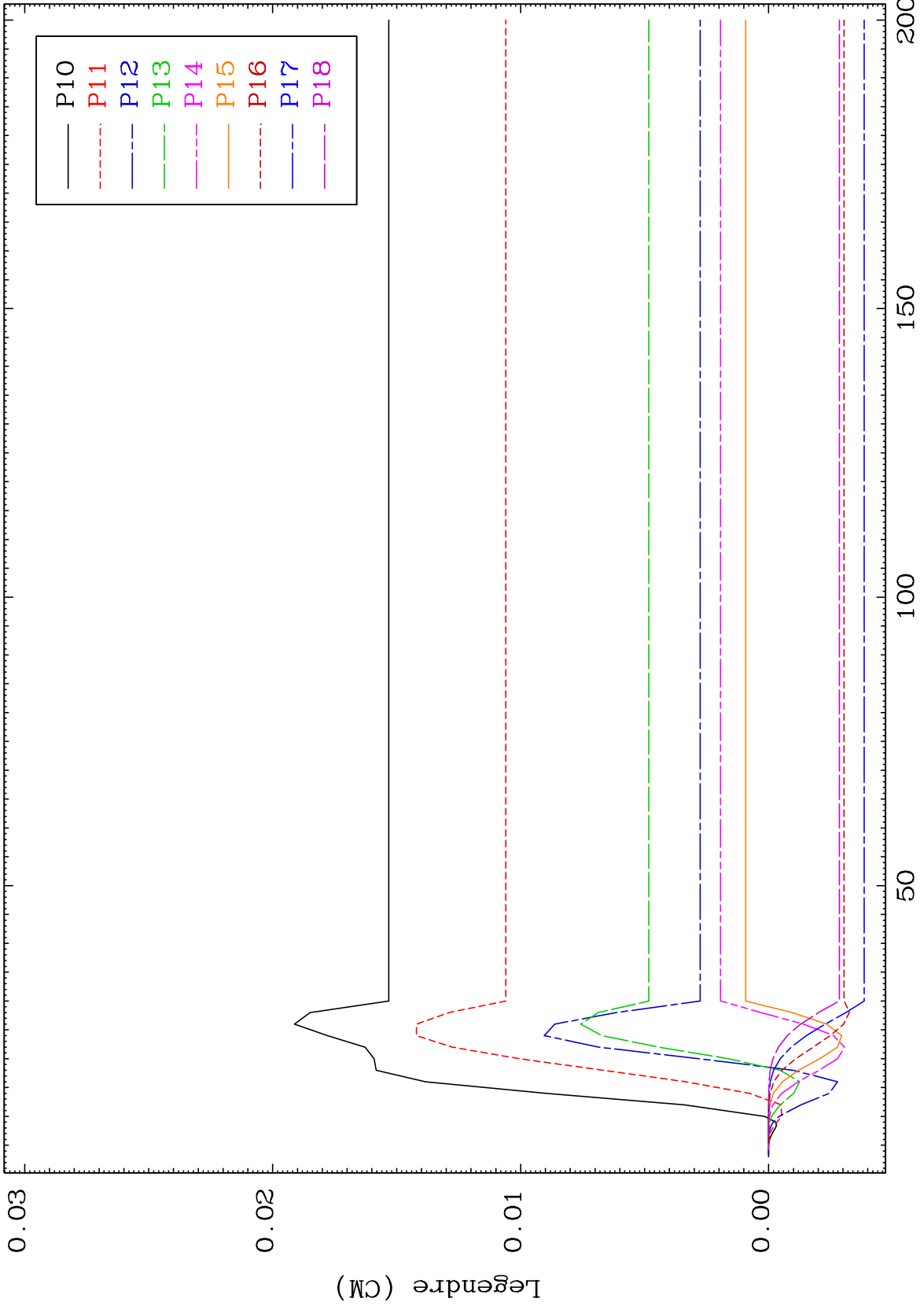


MAT 4040 MT= 74 (n,n') Level Legendre Coefficients 40-Zr-95

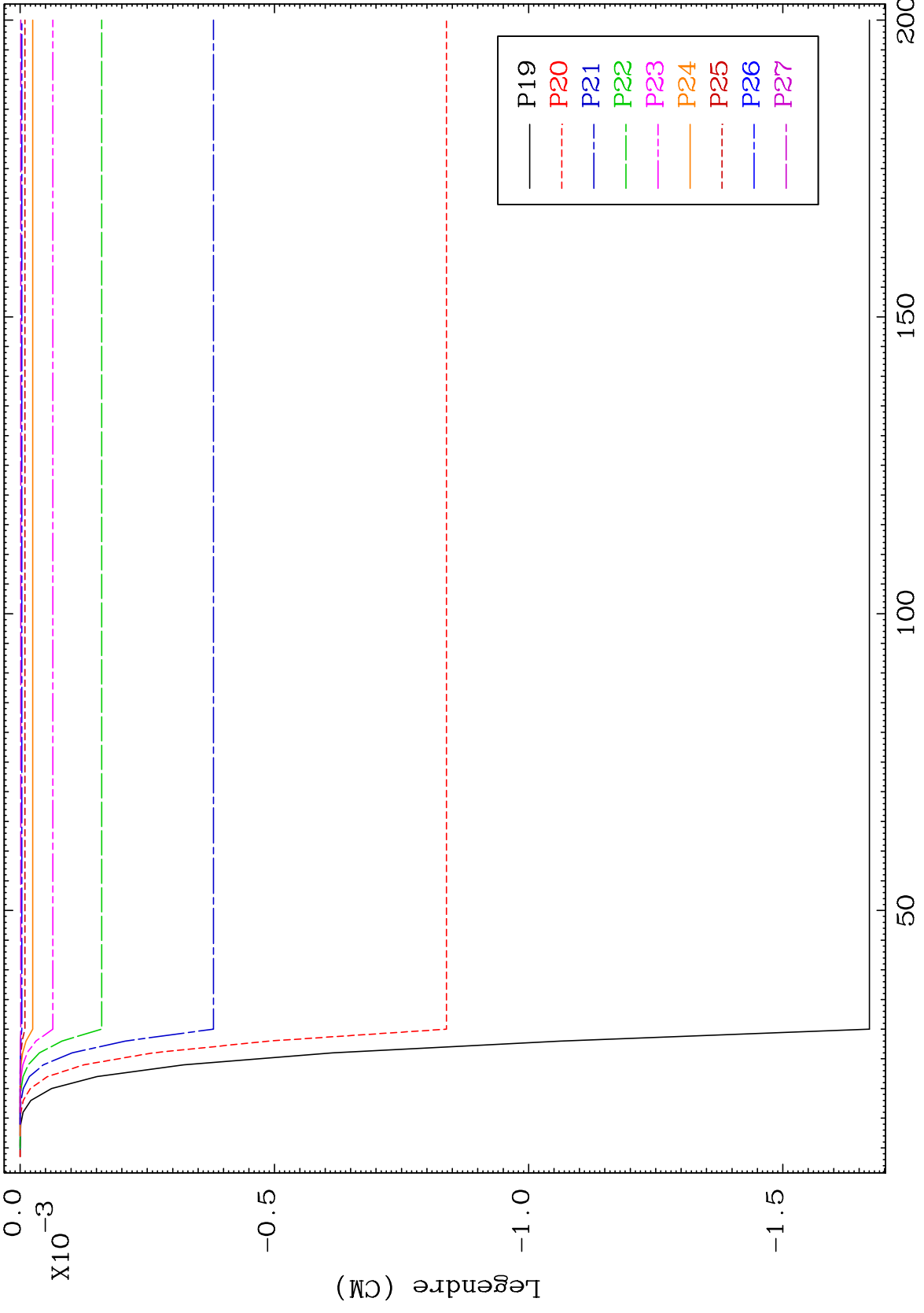


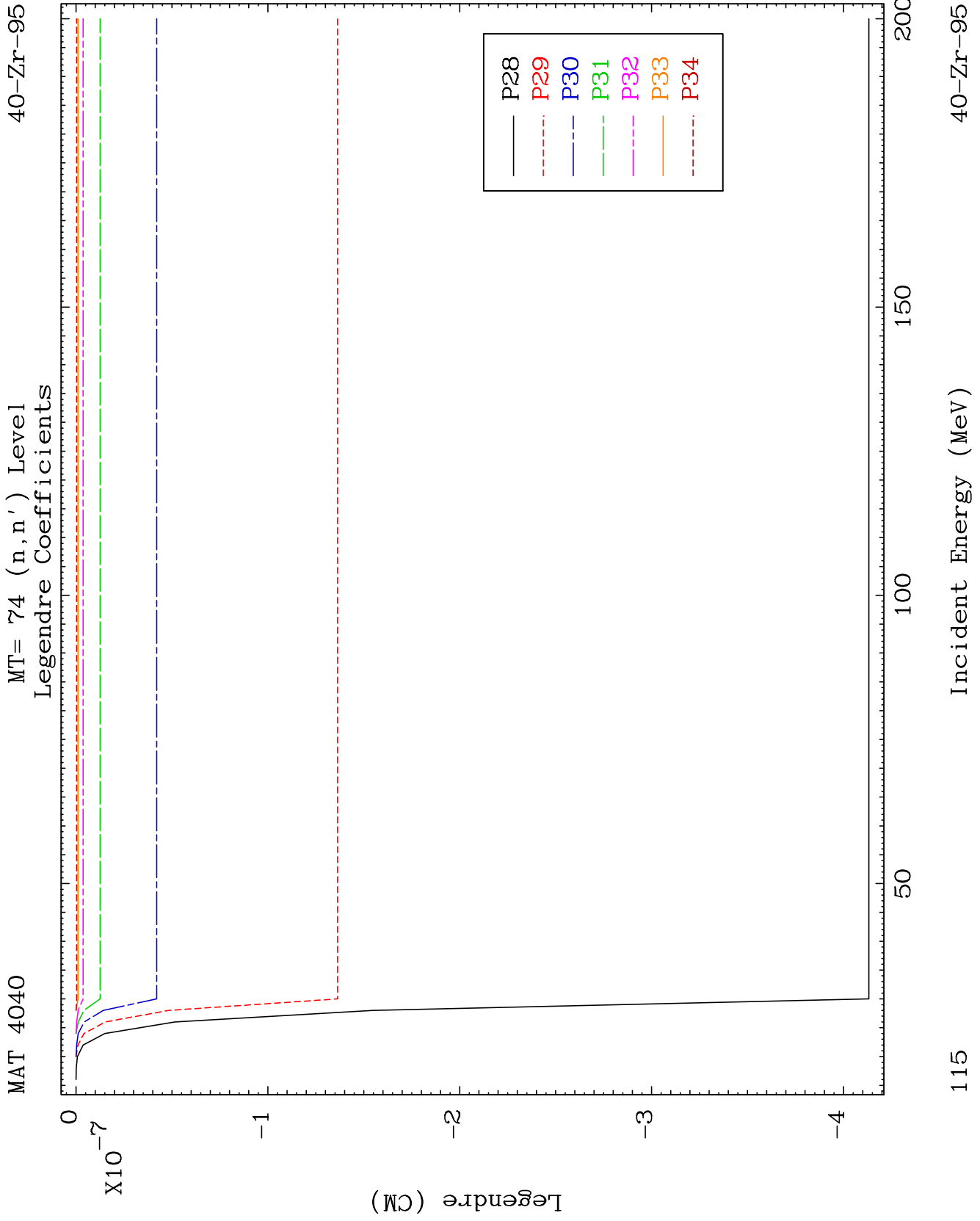
112 40-Zr-95

MAT 4040 MT= 74 (n,n') Level Legendre Coefficients 40-Zr-95

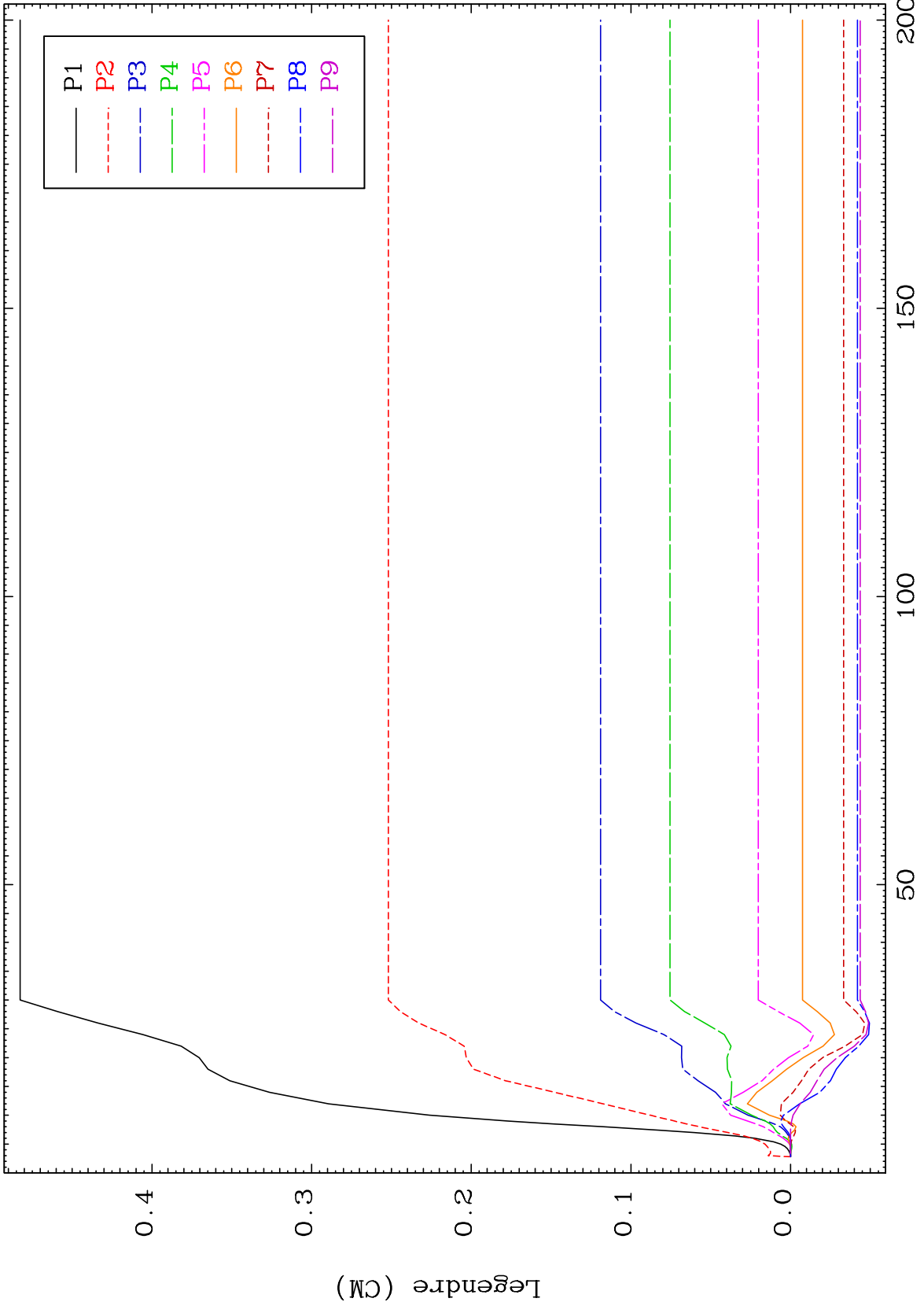


MAT 4040 MT= 74 (n,n') Level Legendre Coefficients 40-Zr-95





MAT 4040 MT= 75 (n,n') Level Legendre Coefficients 40-Zr-95

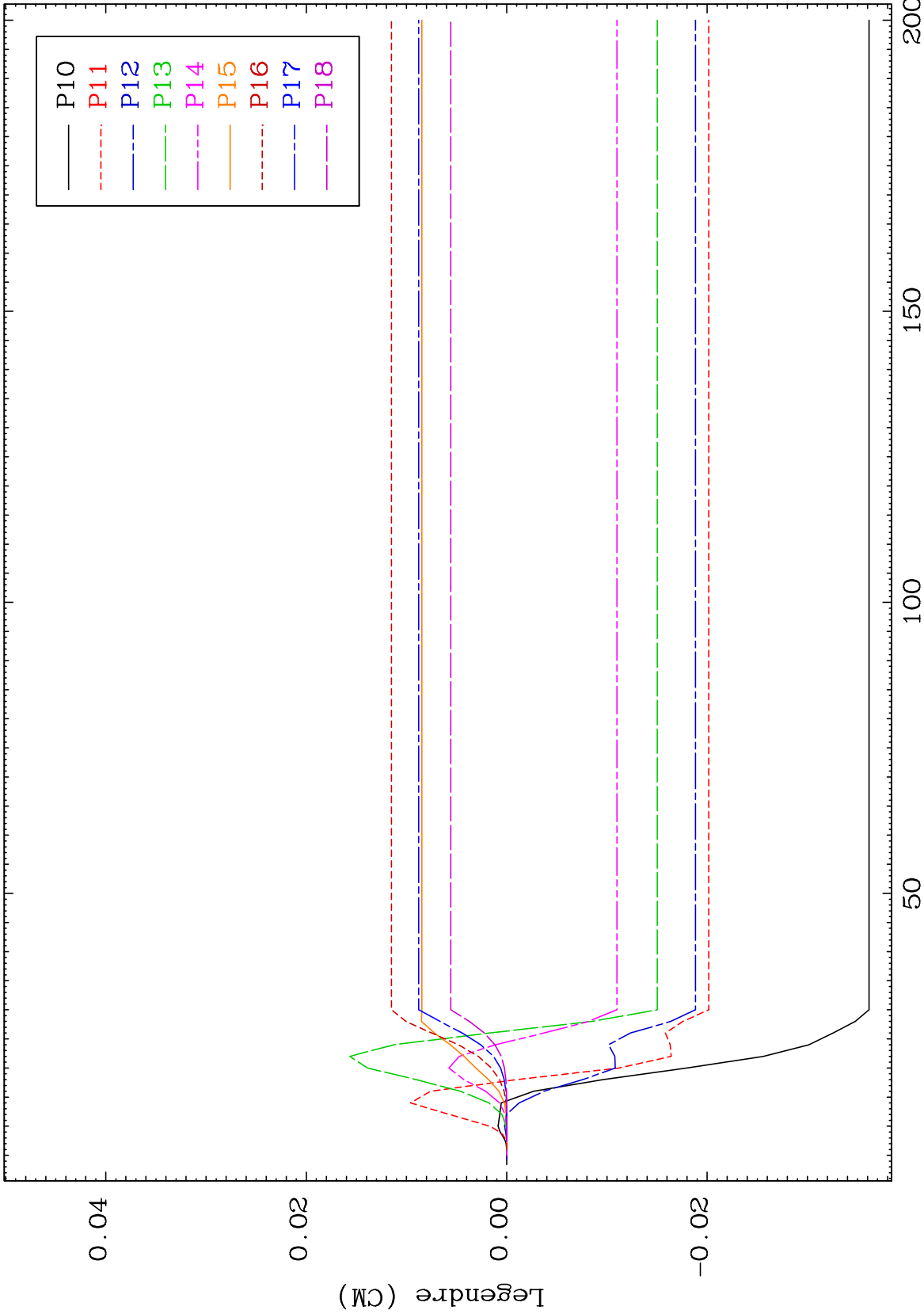


116 40-Zr-95

MAT 4040

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

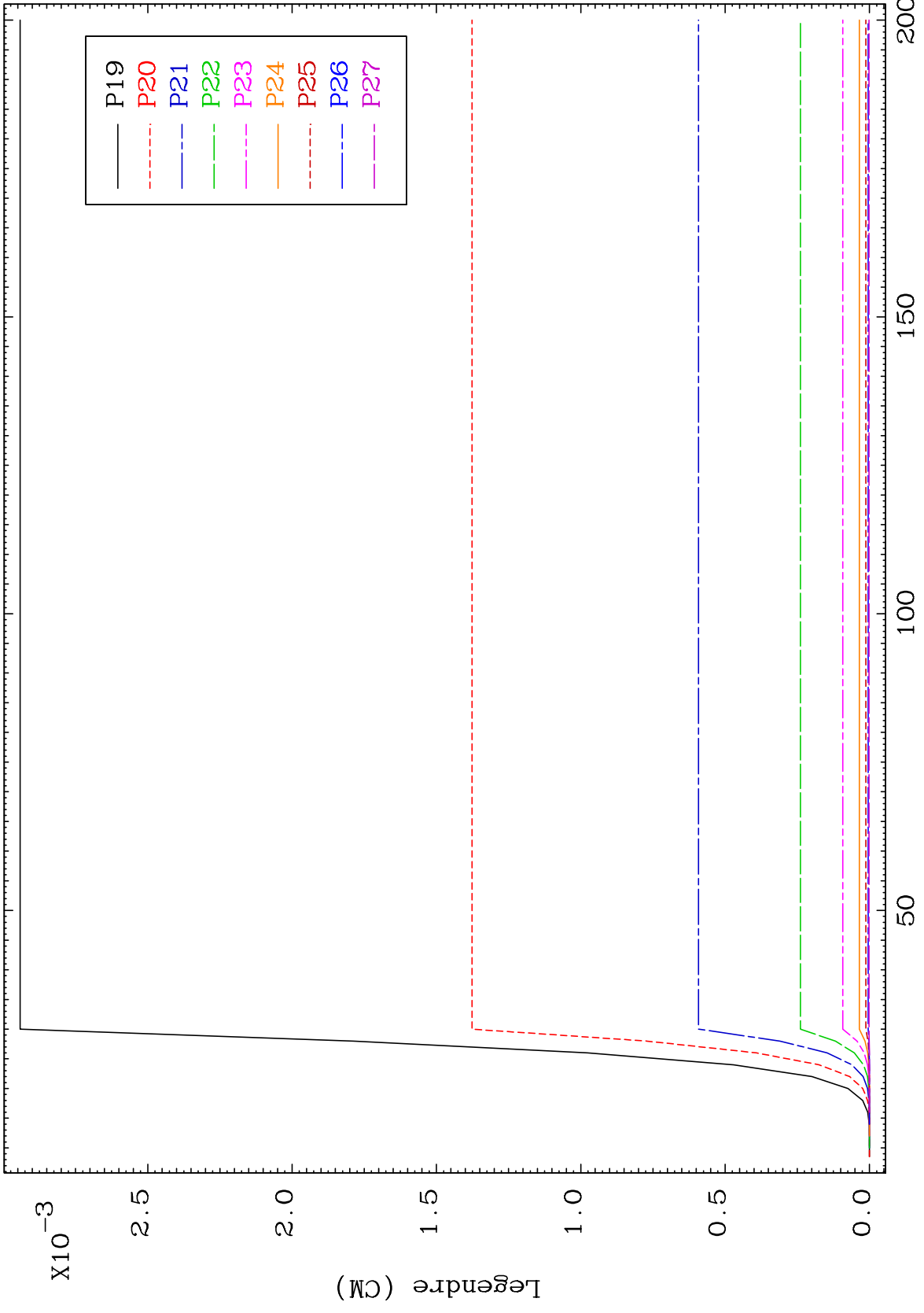
40-Zr-95



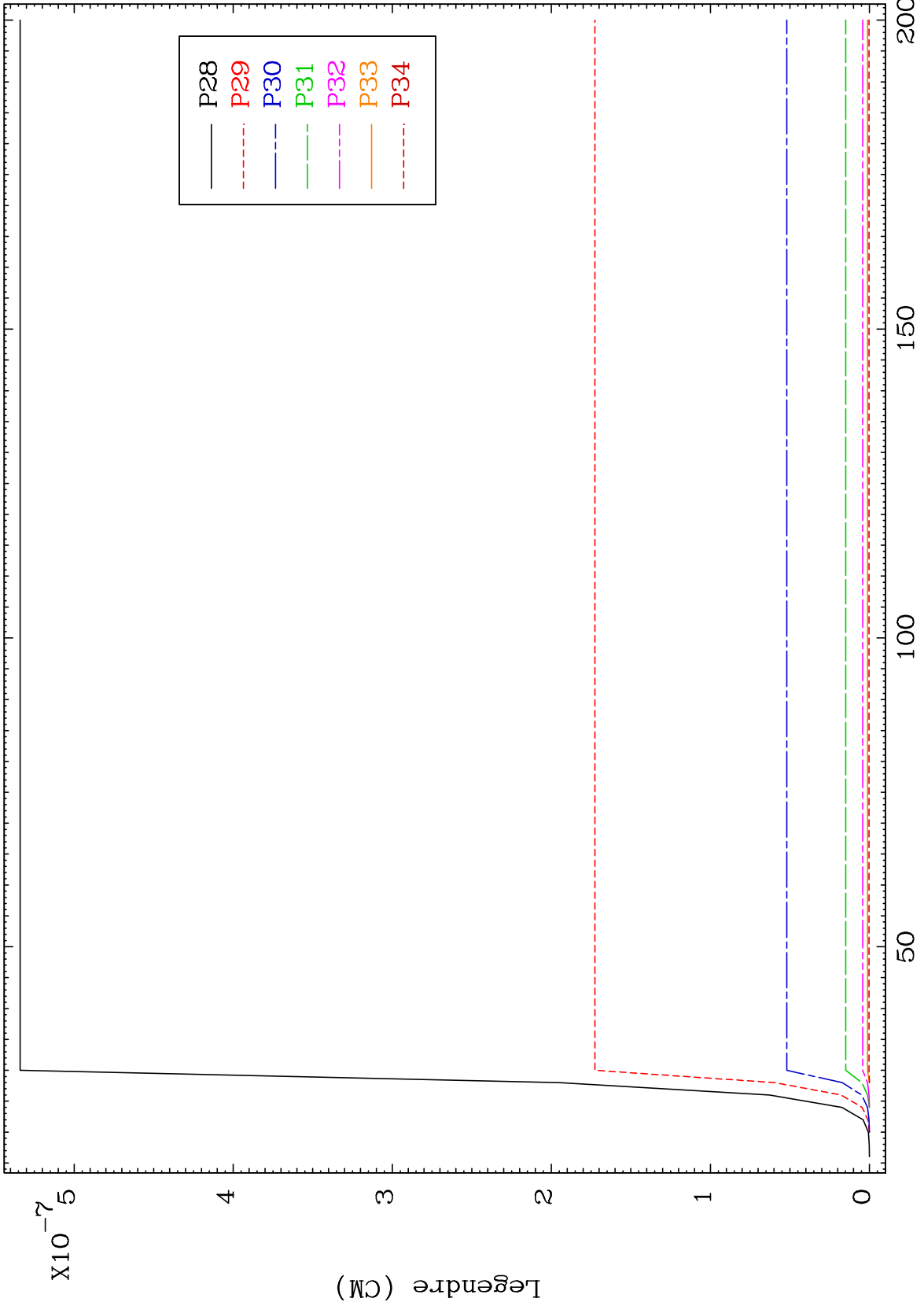
117

Incident Energy (MeV)

40-Zr-95



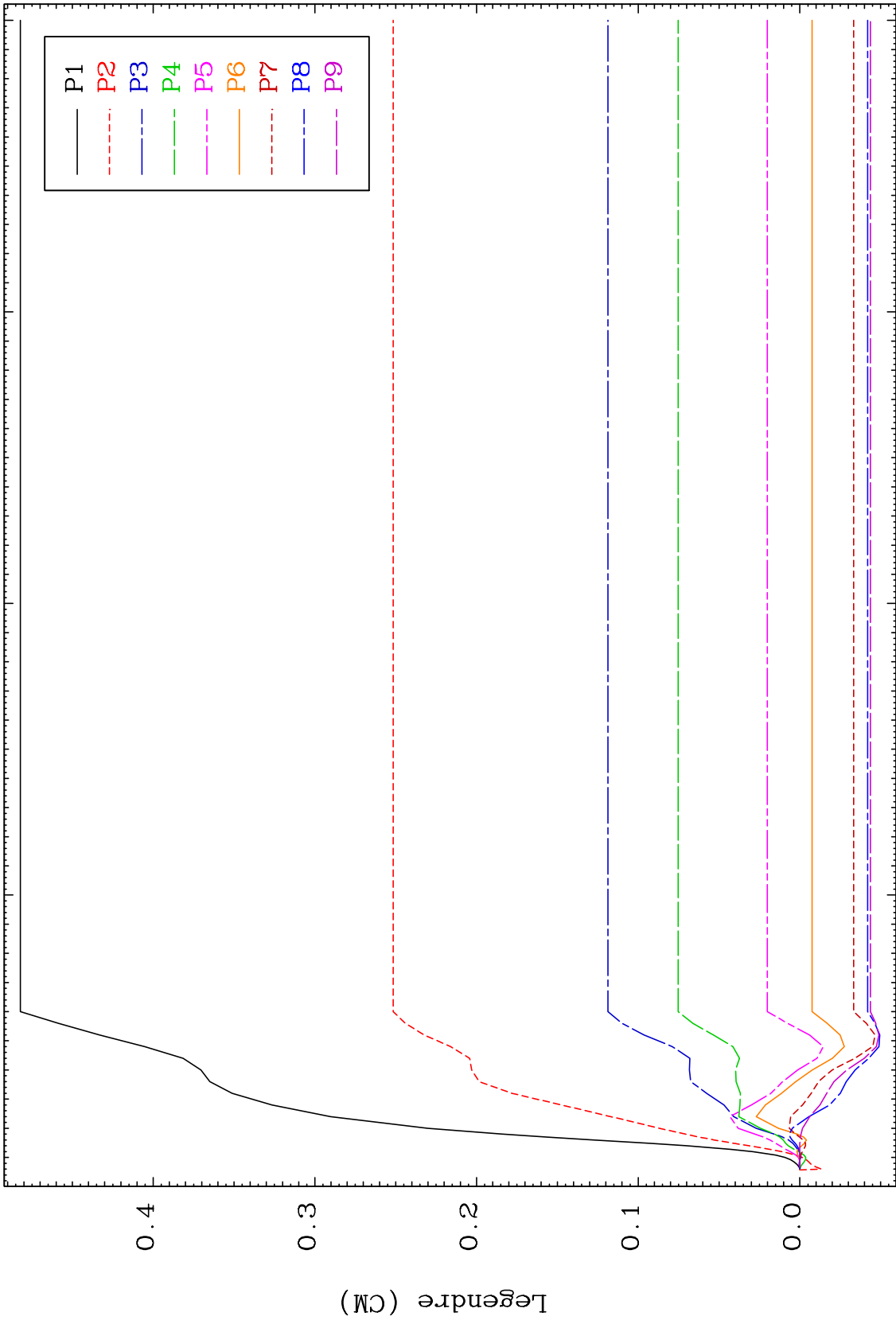
MAT 4040 MT= 75 (n,n') Level Legendre Coefficients 40-Zr-95



119 40-Zr-95



MAT 4040 MT= 76 (n,n') Level Legendre Coefficients 40-Zr-95

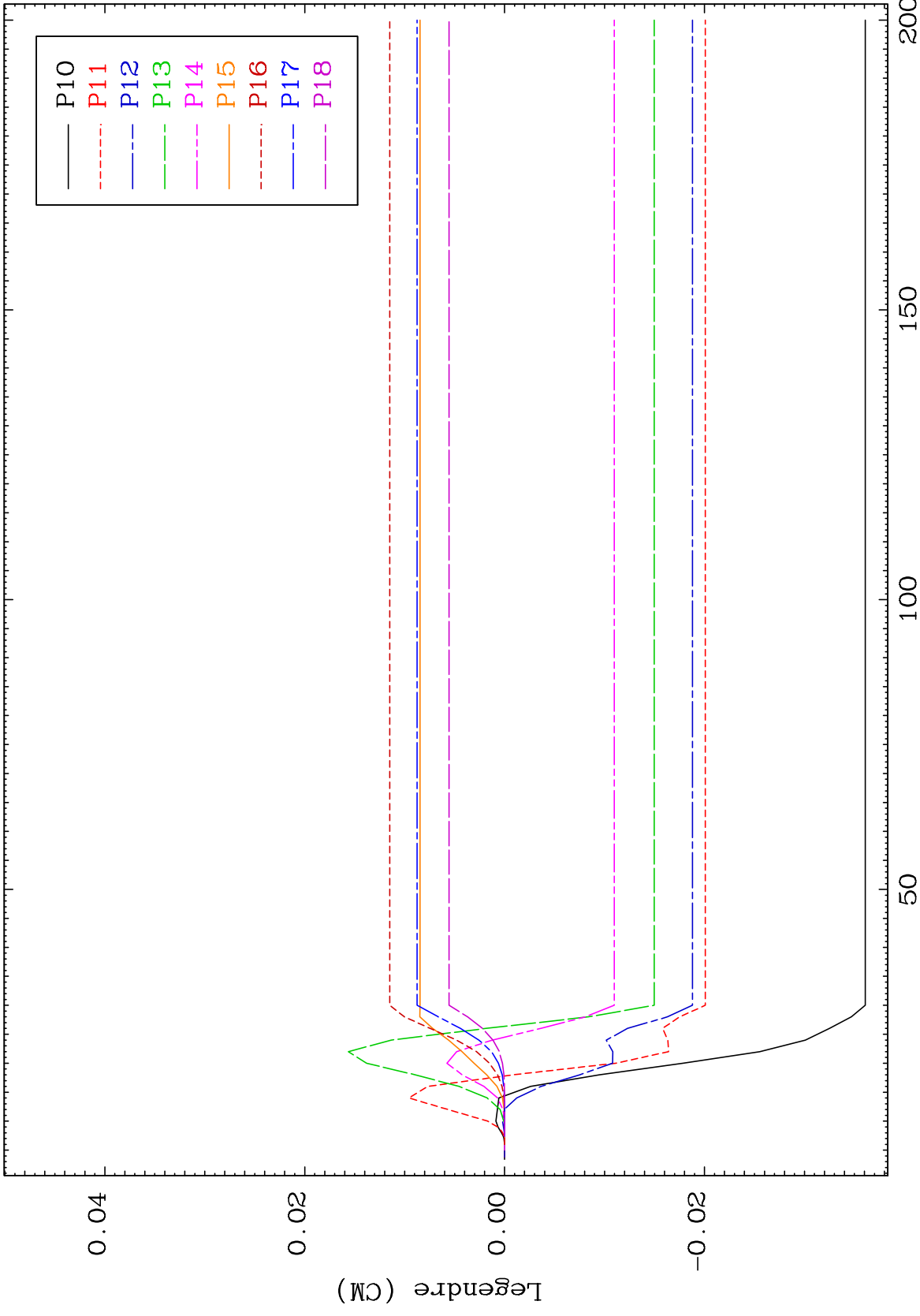


Legendre (CM) Incident Energy (MeV) 40-Zr-95

MAT 4040

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

40-Zr-95

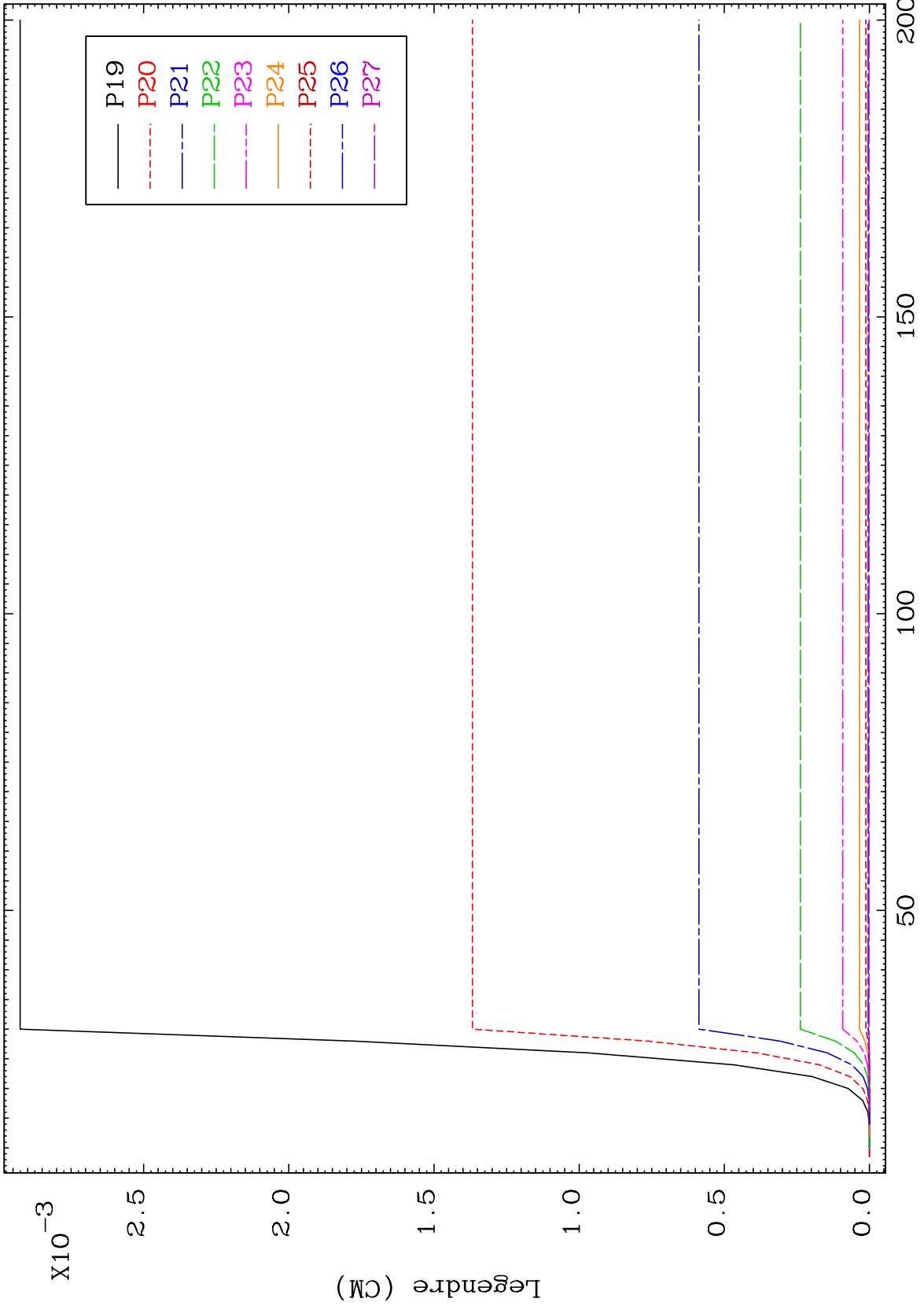


121

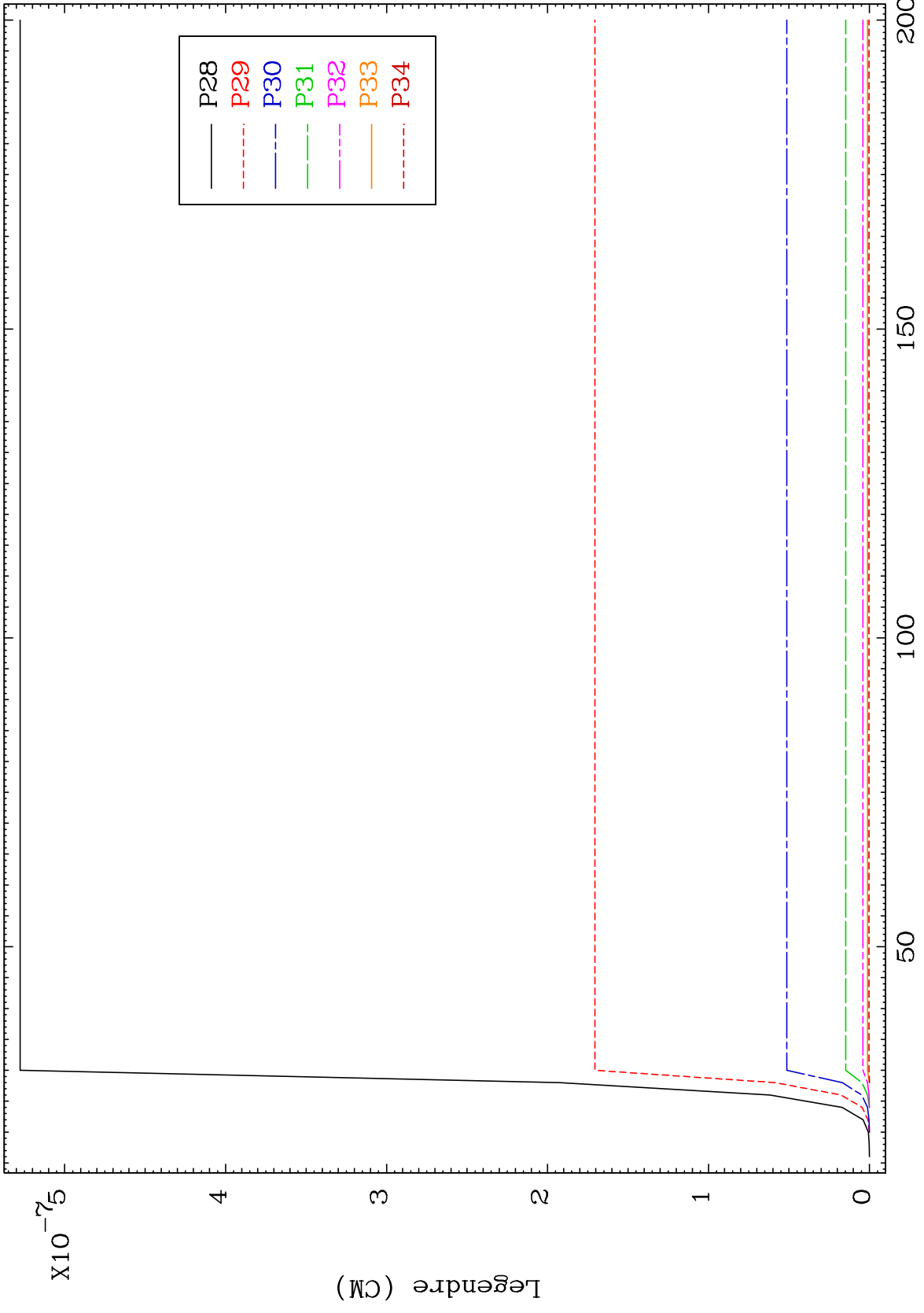
Incident Energy (MeV)

40-Zr-95

MAT 4040 MT= 76 (n,n') Level Legendre Coefficients 40-Zr-95

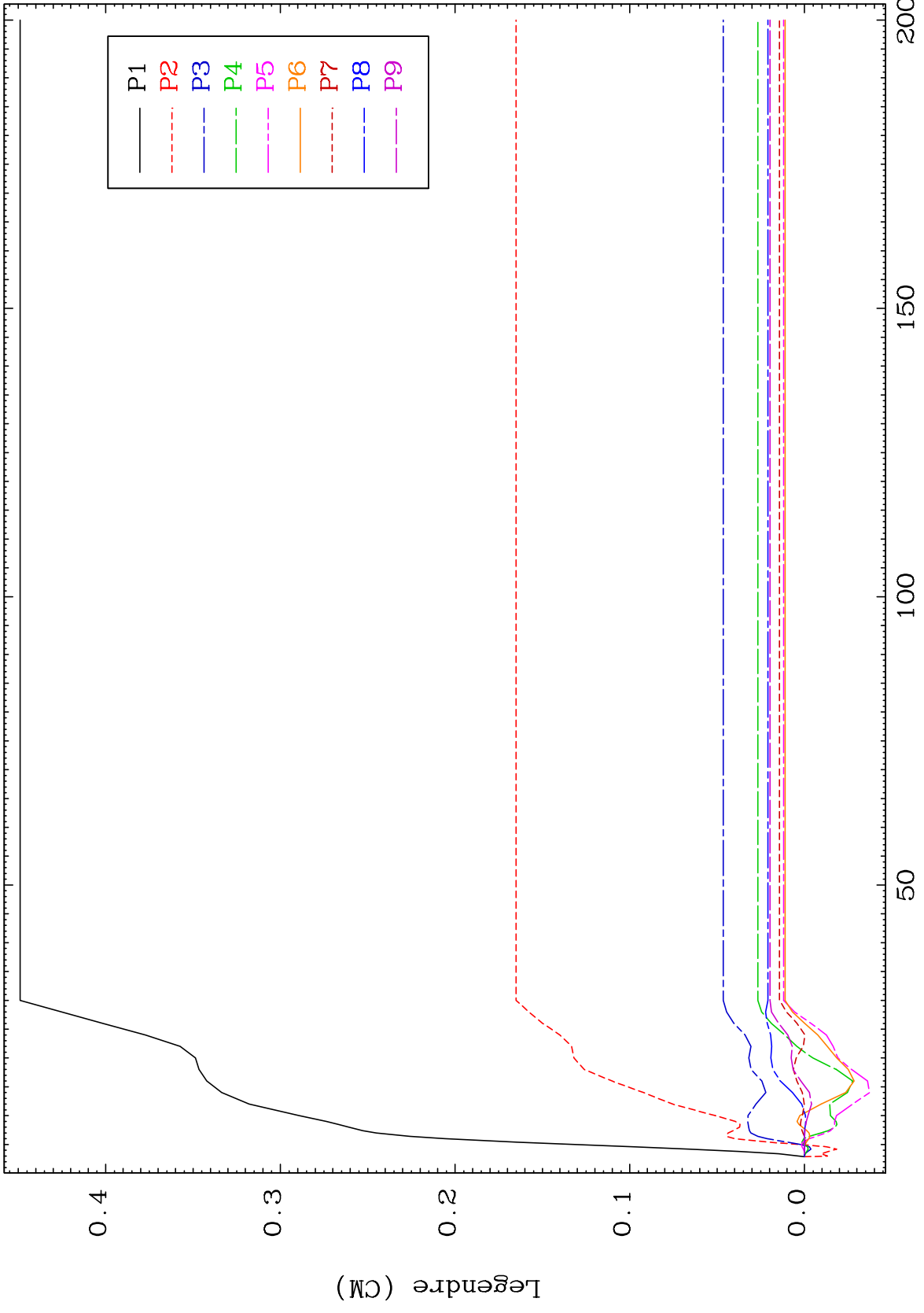


MAT 4040 MT= 76 (n,n') Level Legendre Coefficients 40-Zr-95



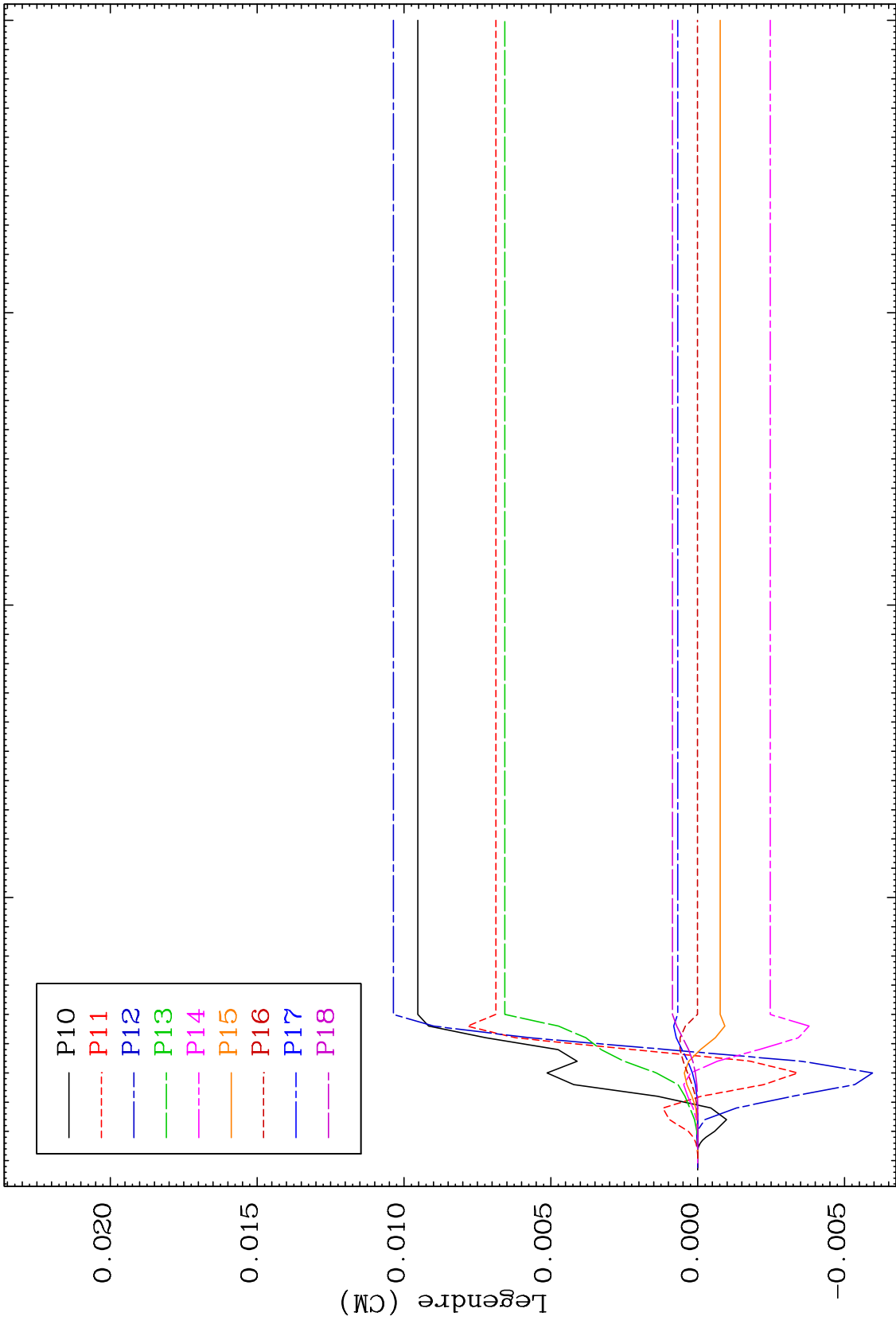
123 40-Zr-95

MAT 4040 MT= 77 (n,n') Level Legendre Coefficients 40-Zr-95



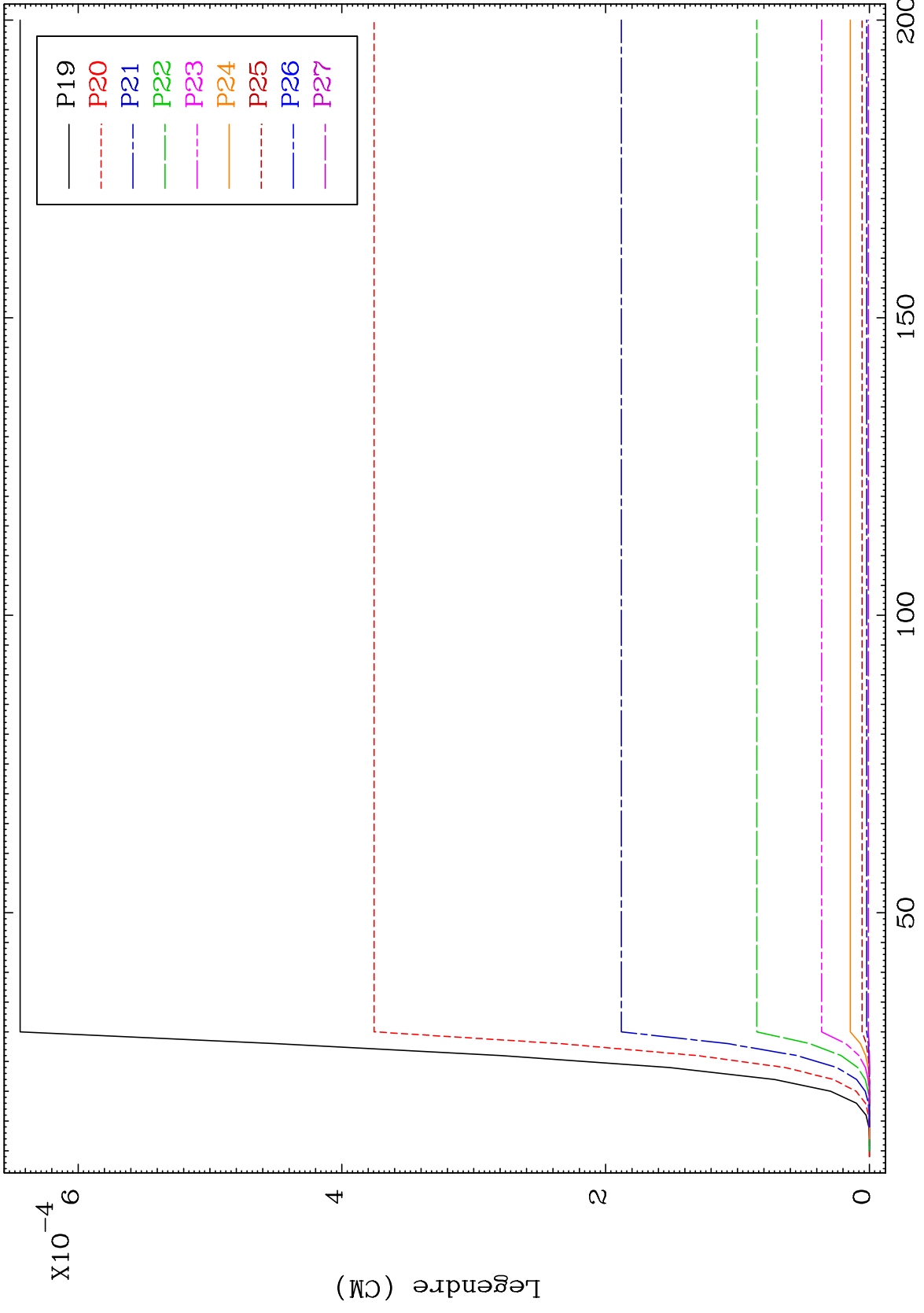
124 40-Zr-95

MAT 4040 MT= 77 (n,n') Level Legendre Coefficients 40-Zr-95



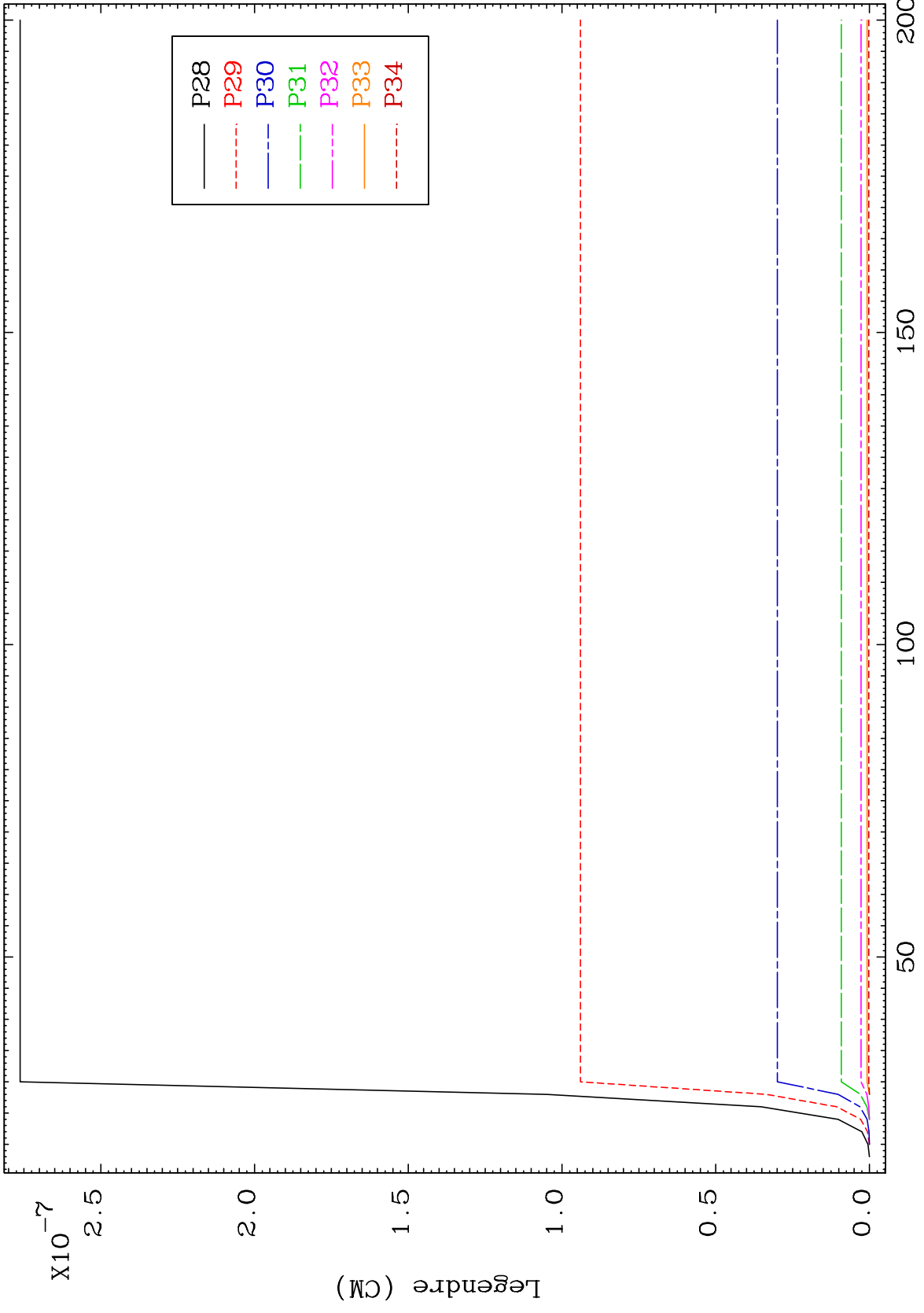
125 Incident Energy (MeV) 40-Zr-95

MAT 4040 MT= 77 (n,n') Level Legendre Coefficients 40-Zr-95



126 40-Zr-95

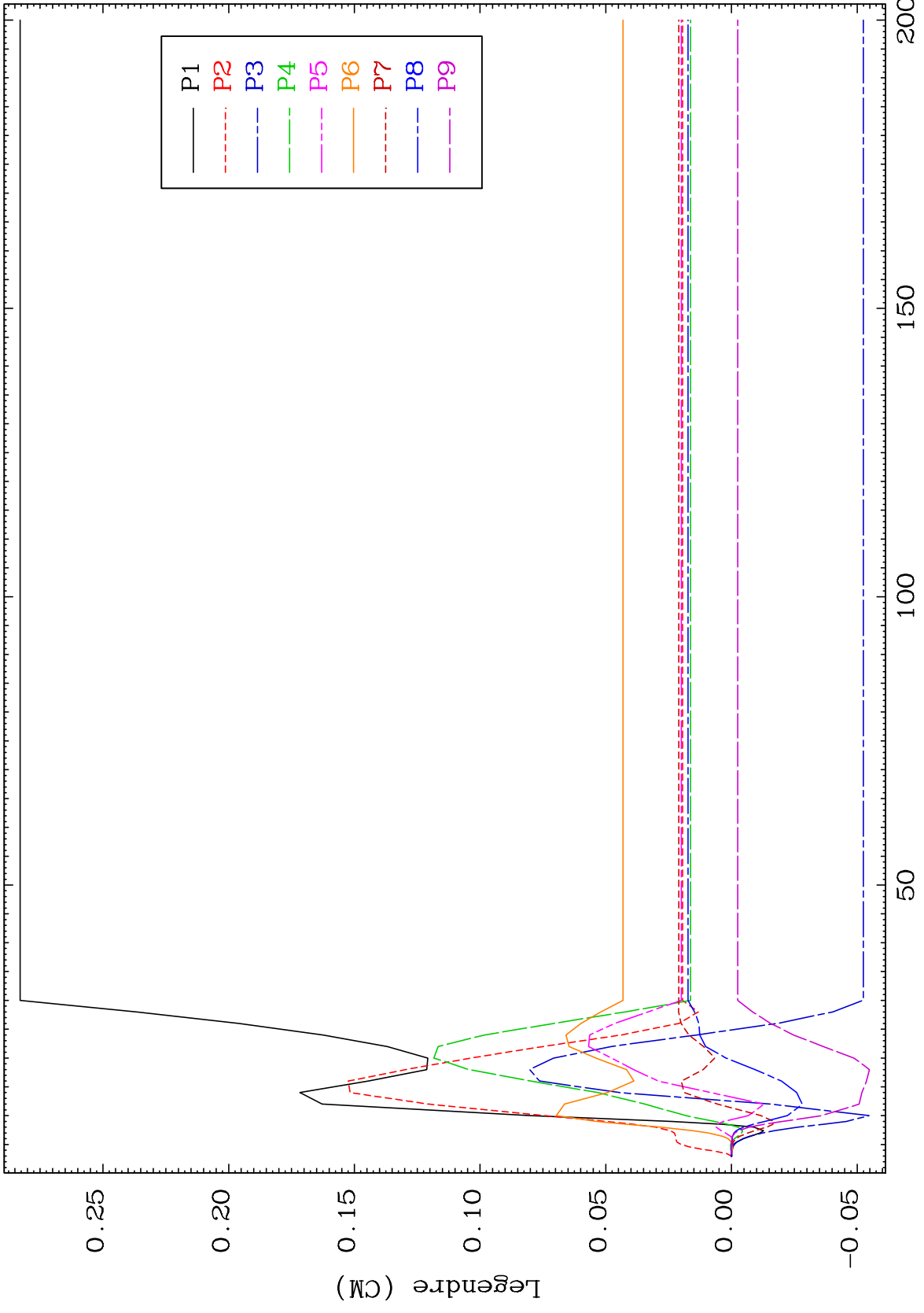
MAT 4040 MT= 77 (n,n') Level Legendre Coefficients 40-Zr-95



127 40-Zr-95



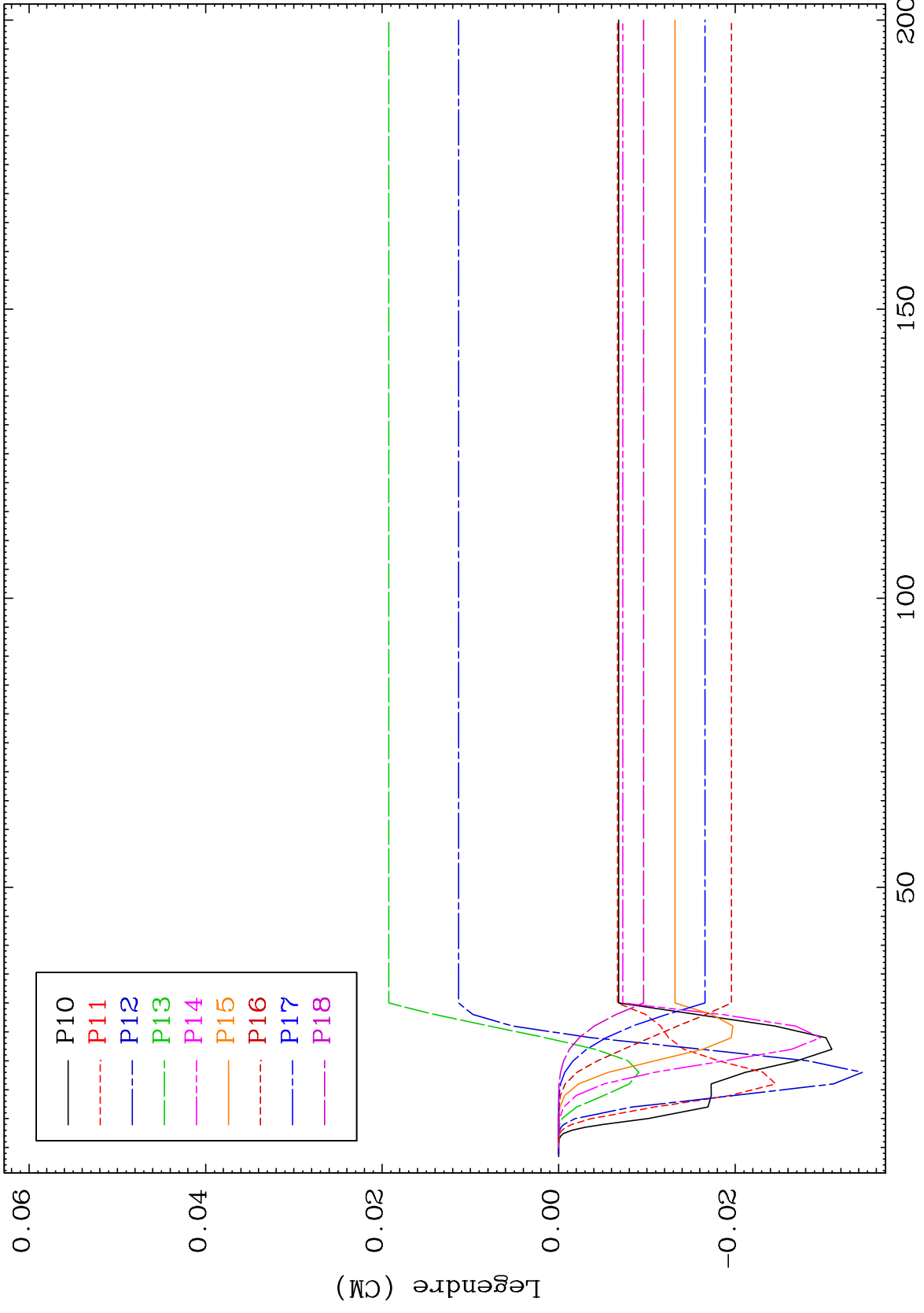
MAT 4040 MT= 78 (n,n') Level Legendre Coefficients 40-Zr-95

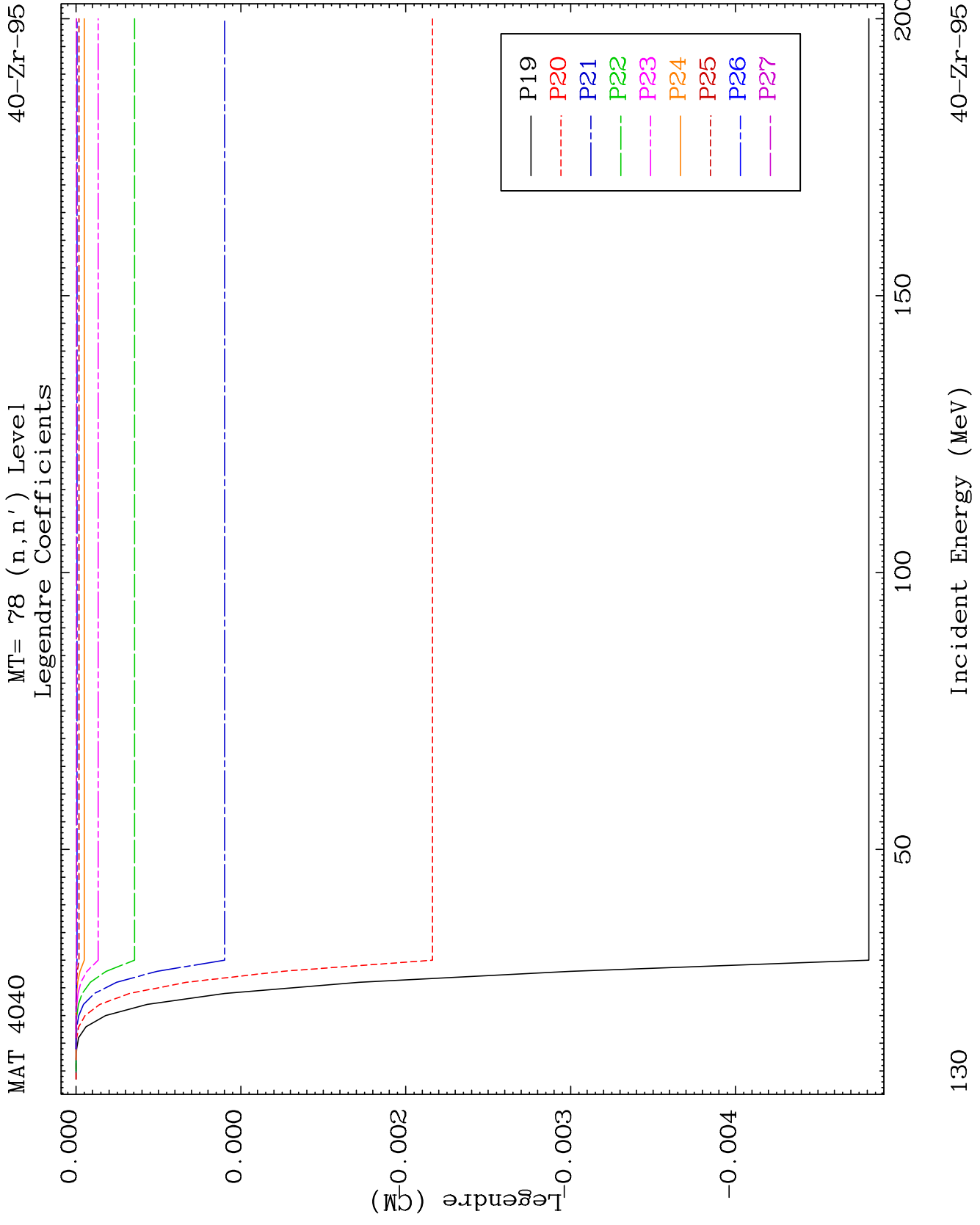


MAT 4040 MT= 78 (n,n') Level Legendre Coefficients

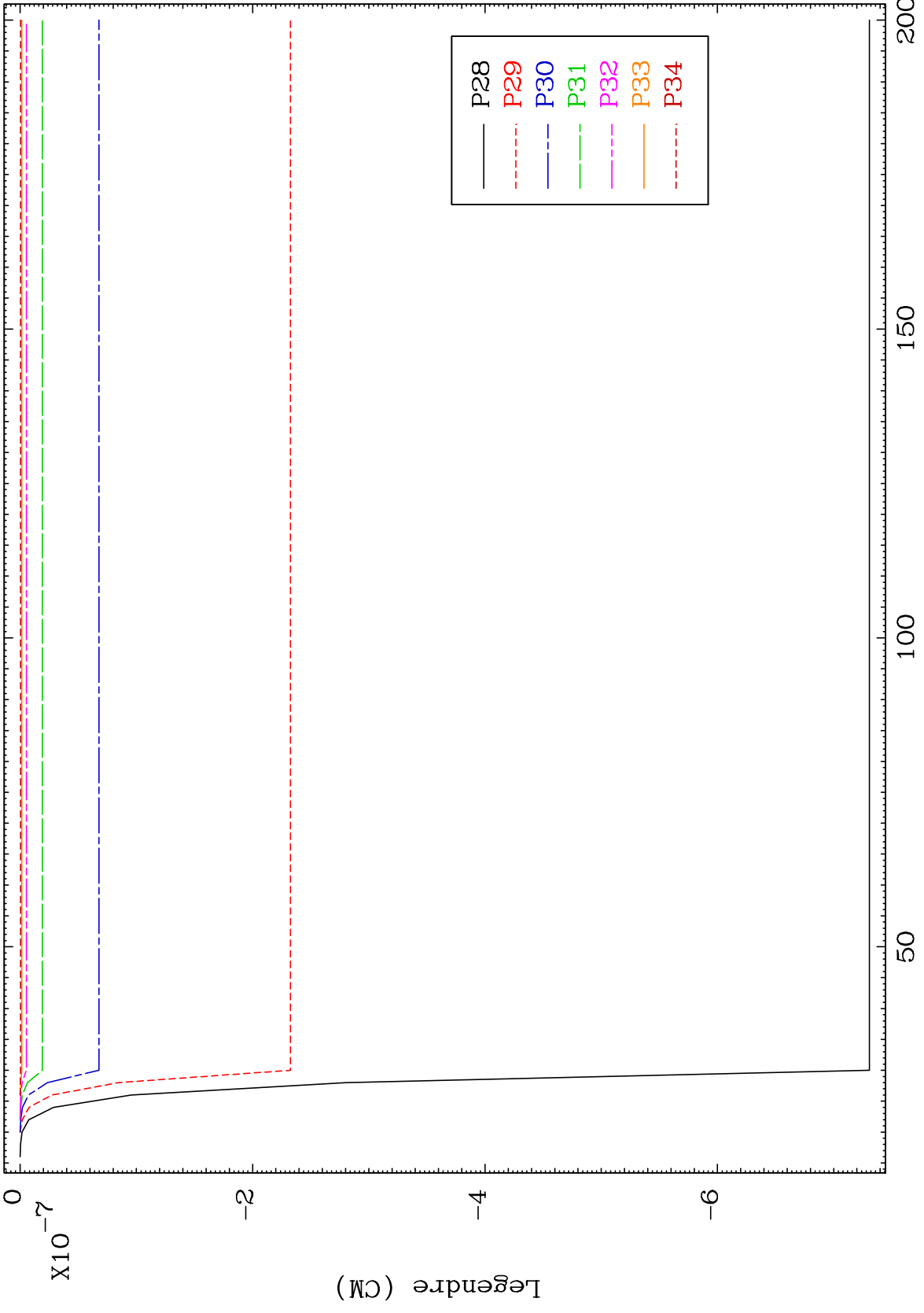
40-Zr-95

40-Zr-95



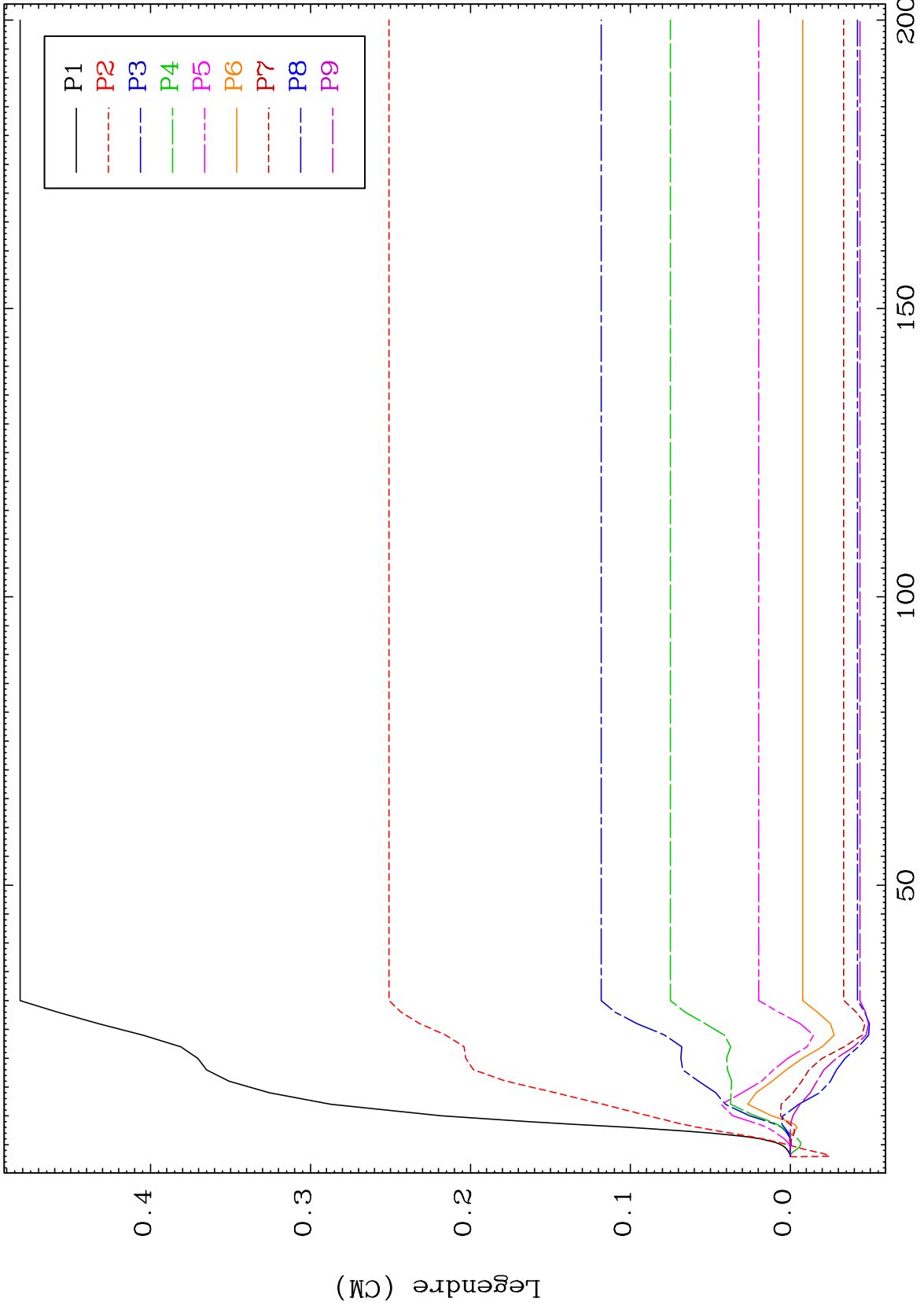


MAT 4040 MT= 78 (n,n') Level Legendre Coefficients 40-Zr-95



131 40-Zr-95

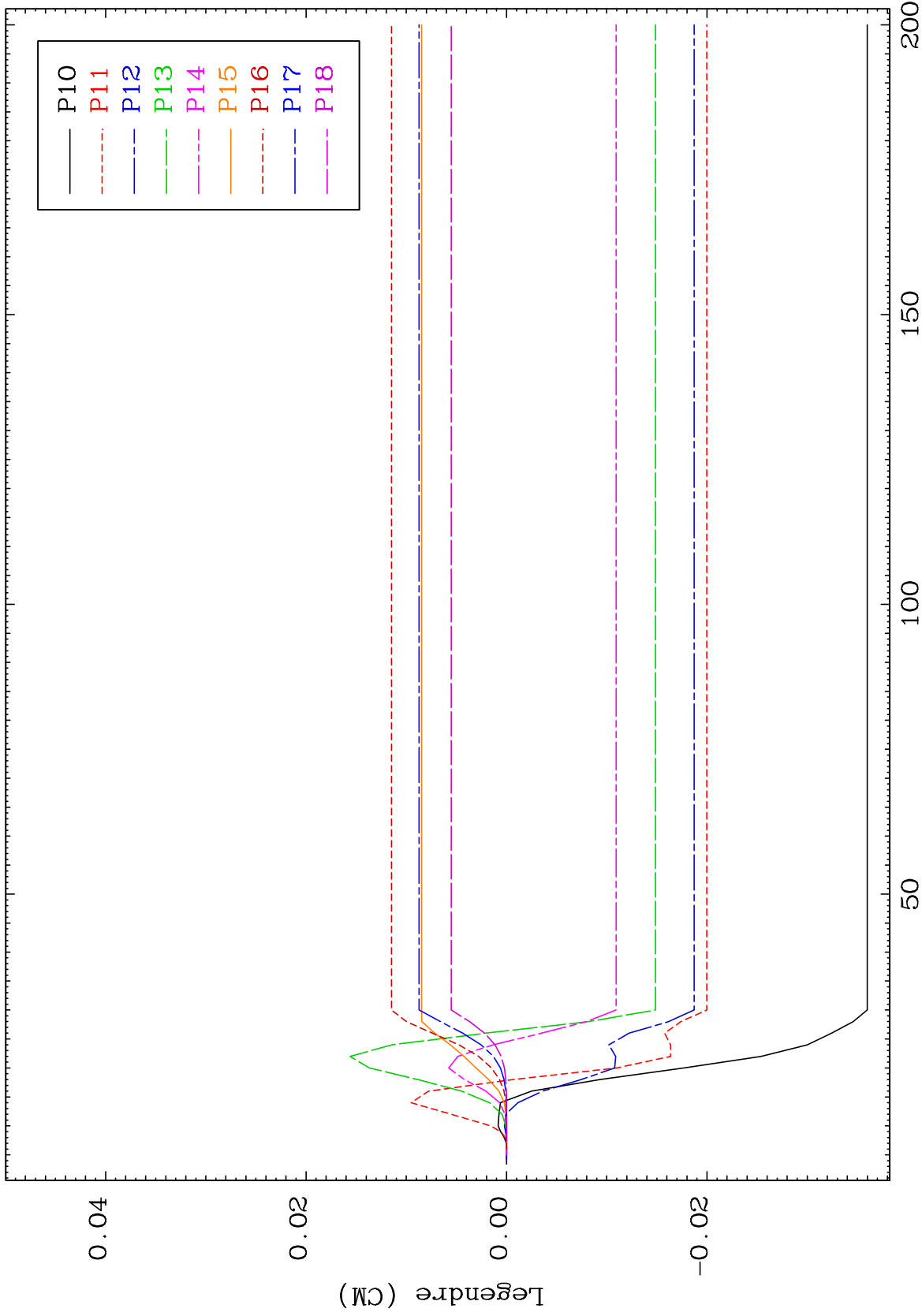
MAT 4040 MT= 79 (n,n') Level Legendre Coefficients 40-Zr-95



MAT 4040

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

40-Zr-95

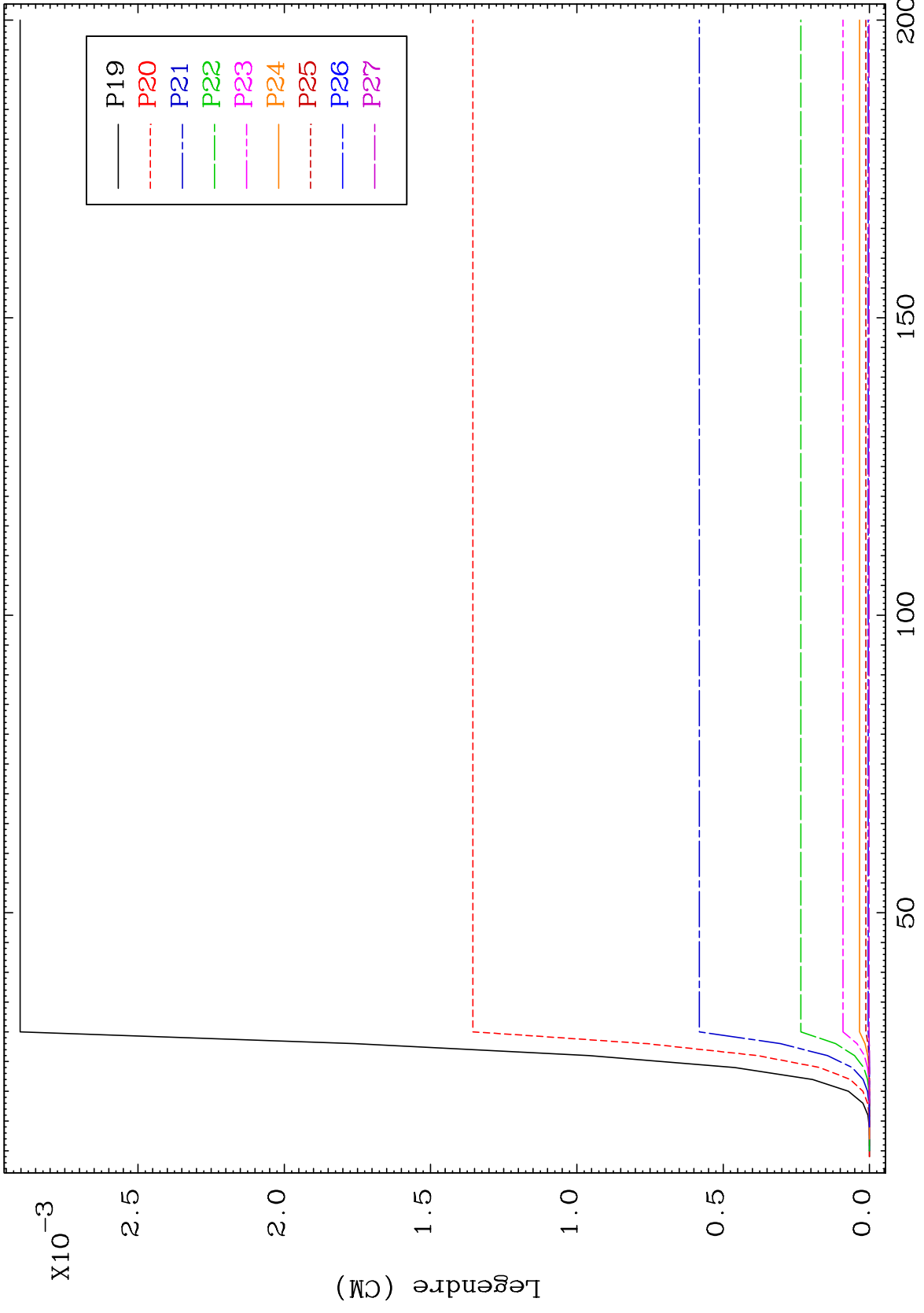


133

Incident Energy (MeV)

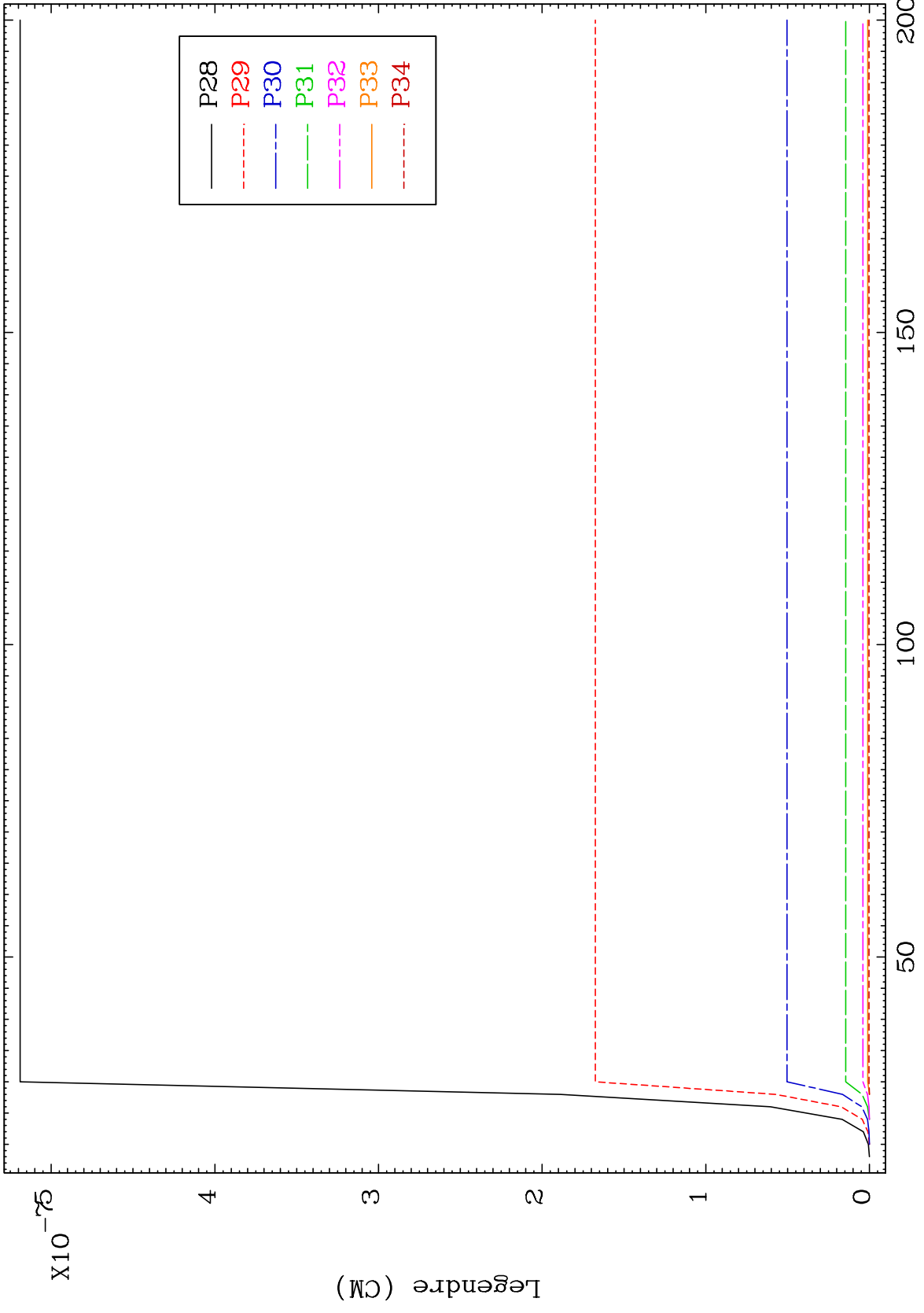
40-Zr-95

MAT 4040 MT= 79 (n,n') Level Legendre Coefficients 40-Zr-95



134 Incident Energy (MeV) 40-Zr-95

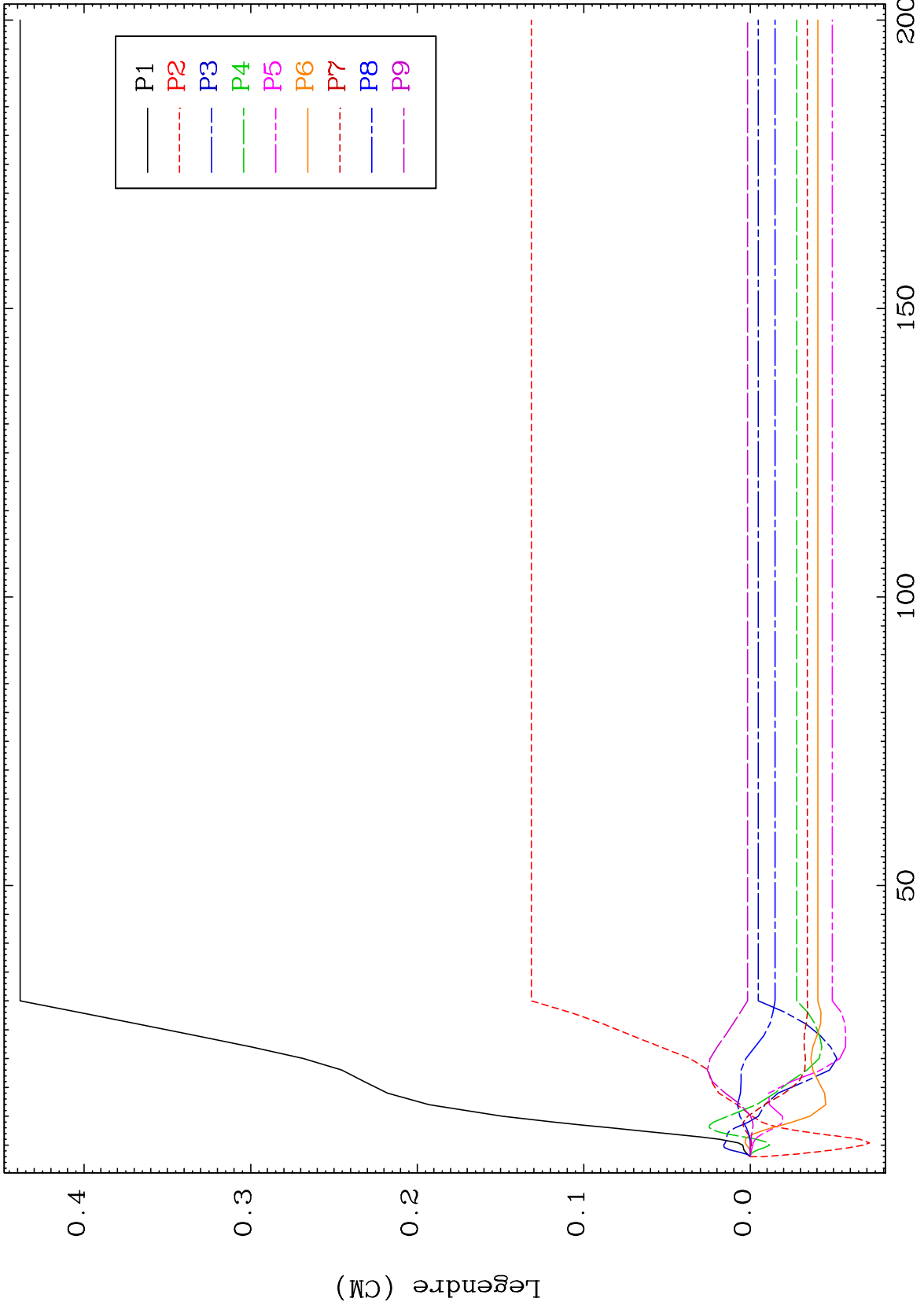
MAT 4040 MT= 79 (n,n') Level Legendre Coefficients 40-Zr-95



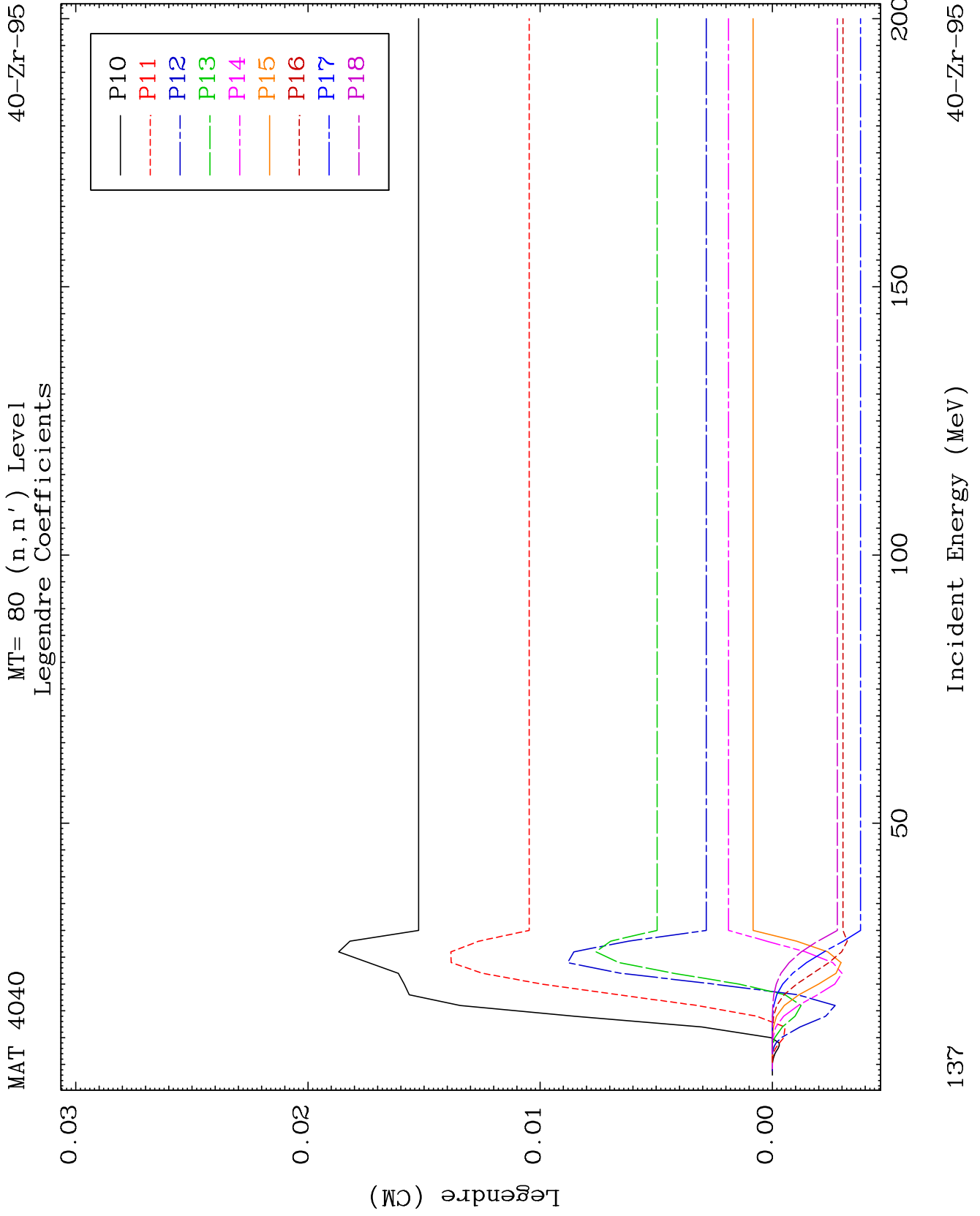
135 50 100 150 200 Incident Energy (MeV) 40-Zr-95

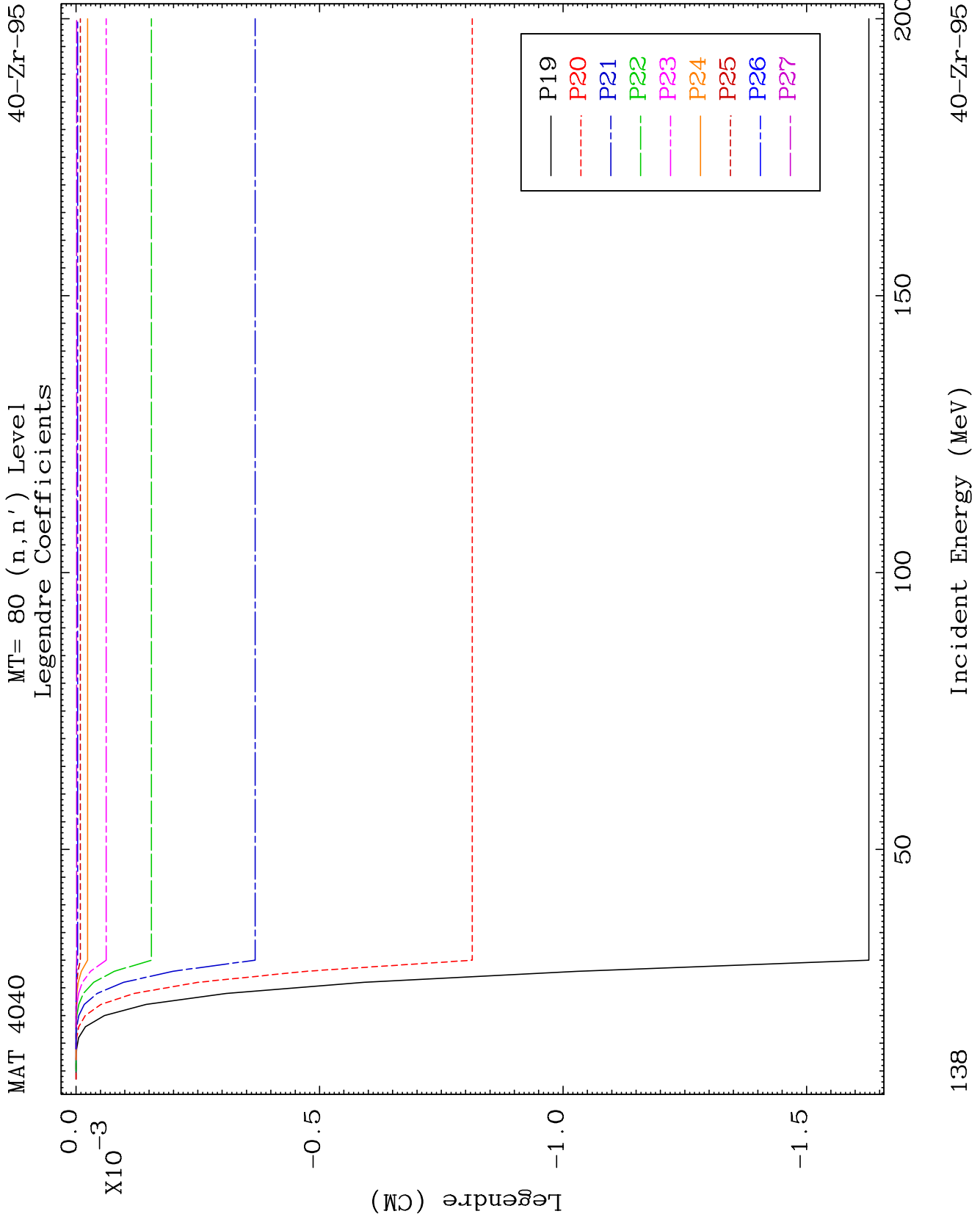


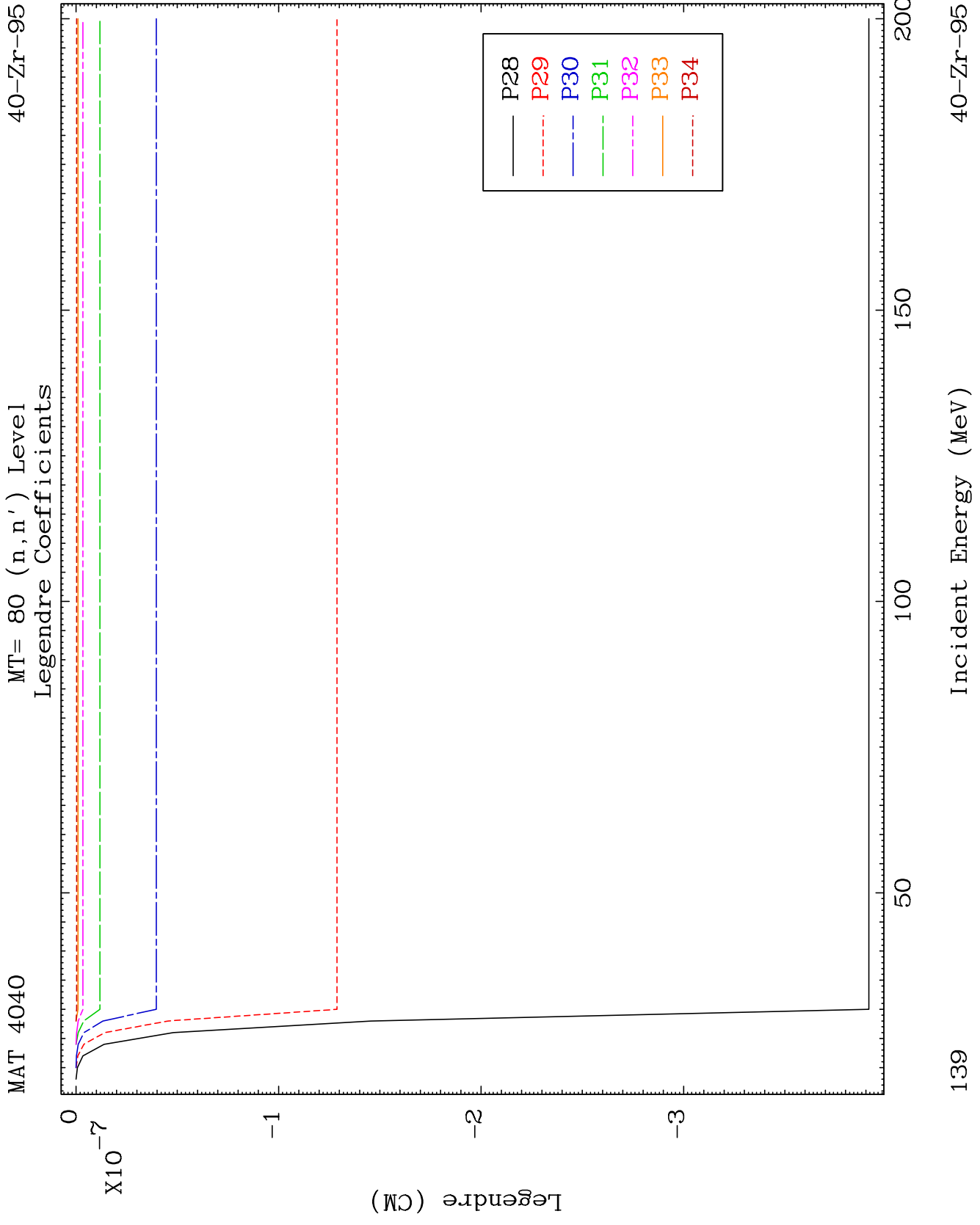
MAT 4040 MT= 80 (n,n') Level Legendre Coefficients 40-Zr-95

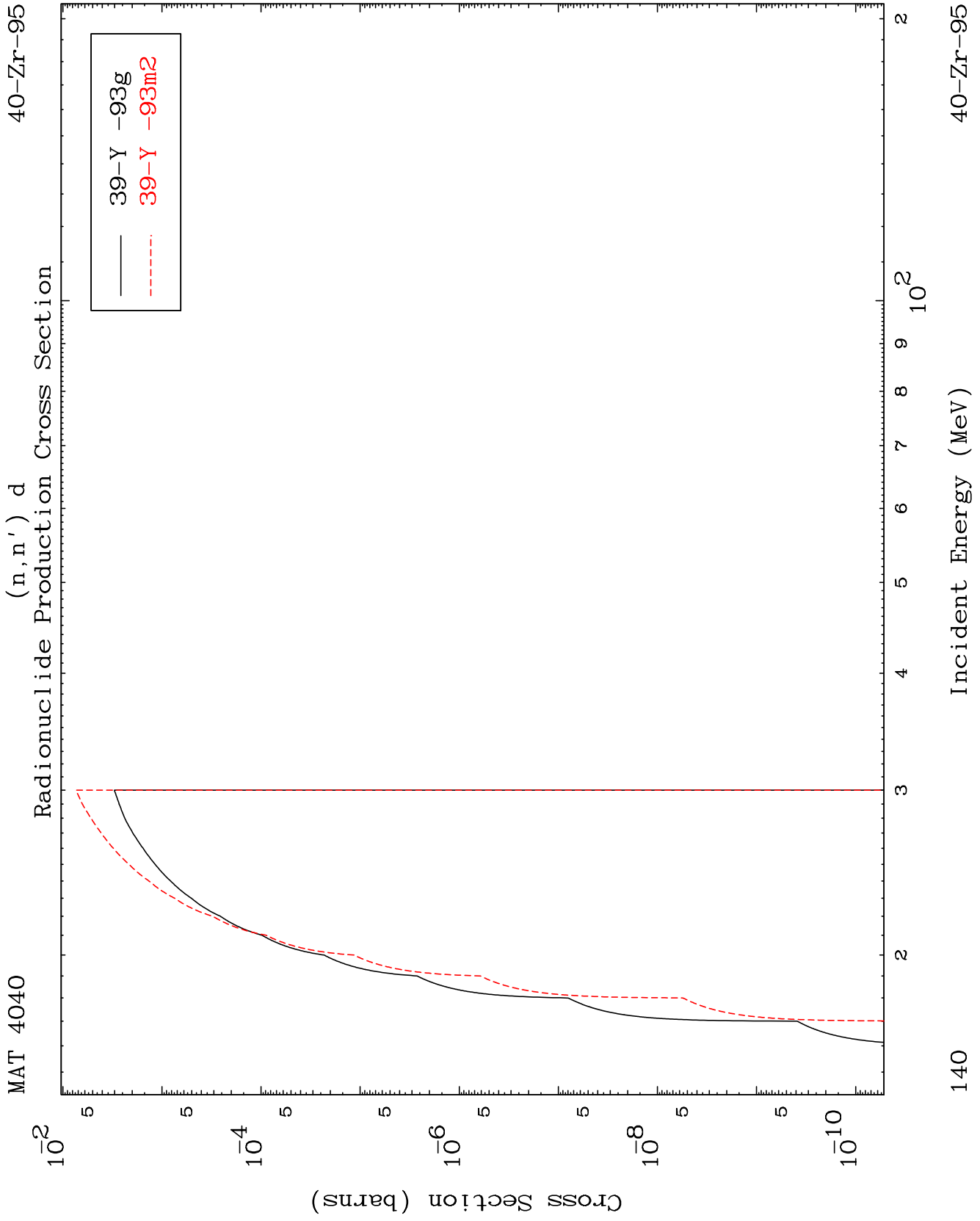


136 40-Zr-95







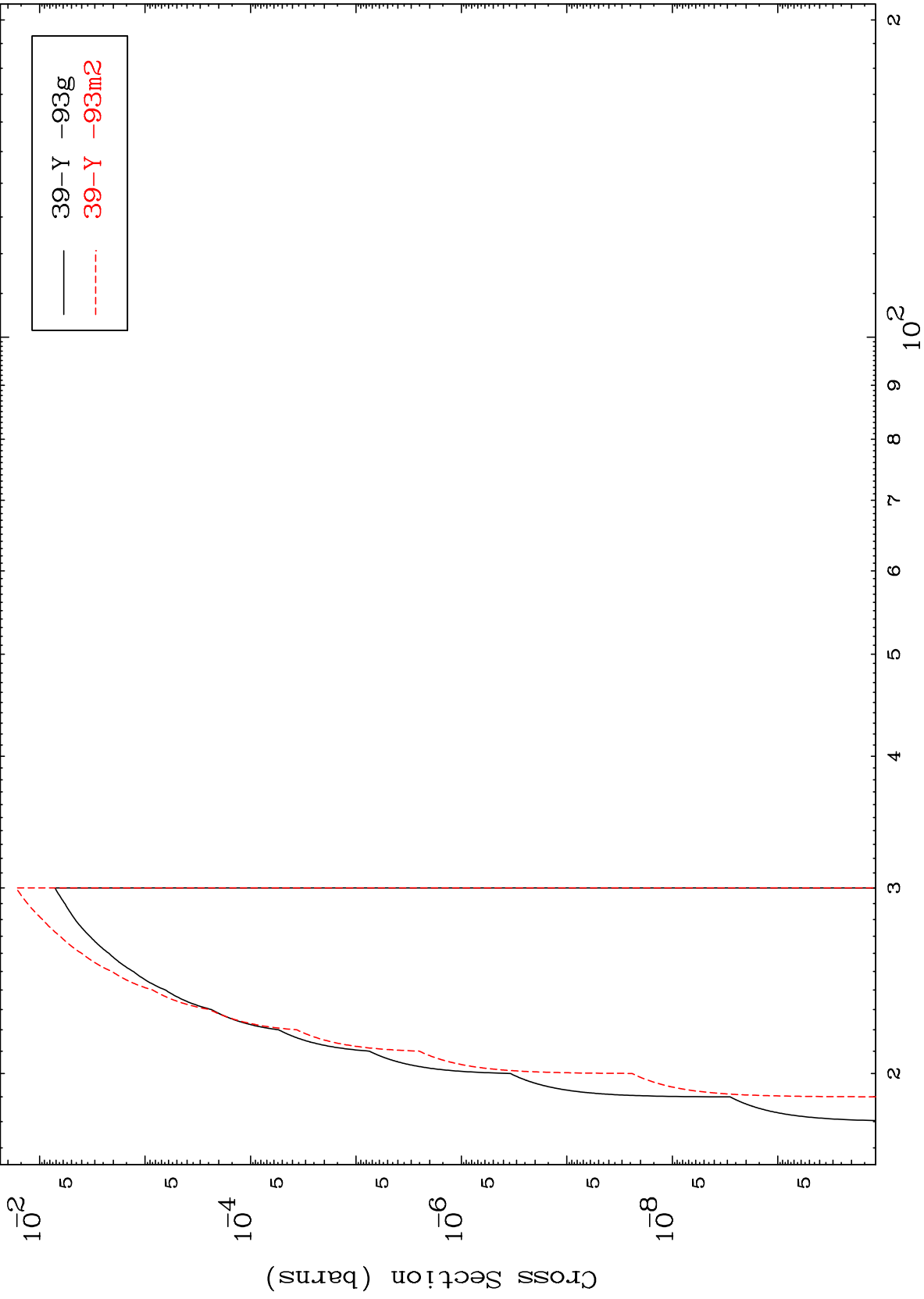


MAT 4040

(n,2n) p

40-Zr-95

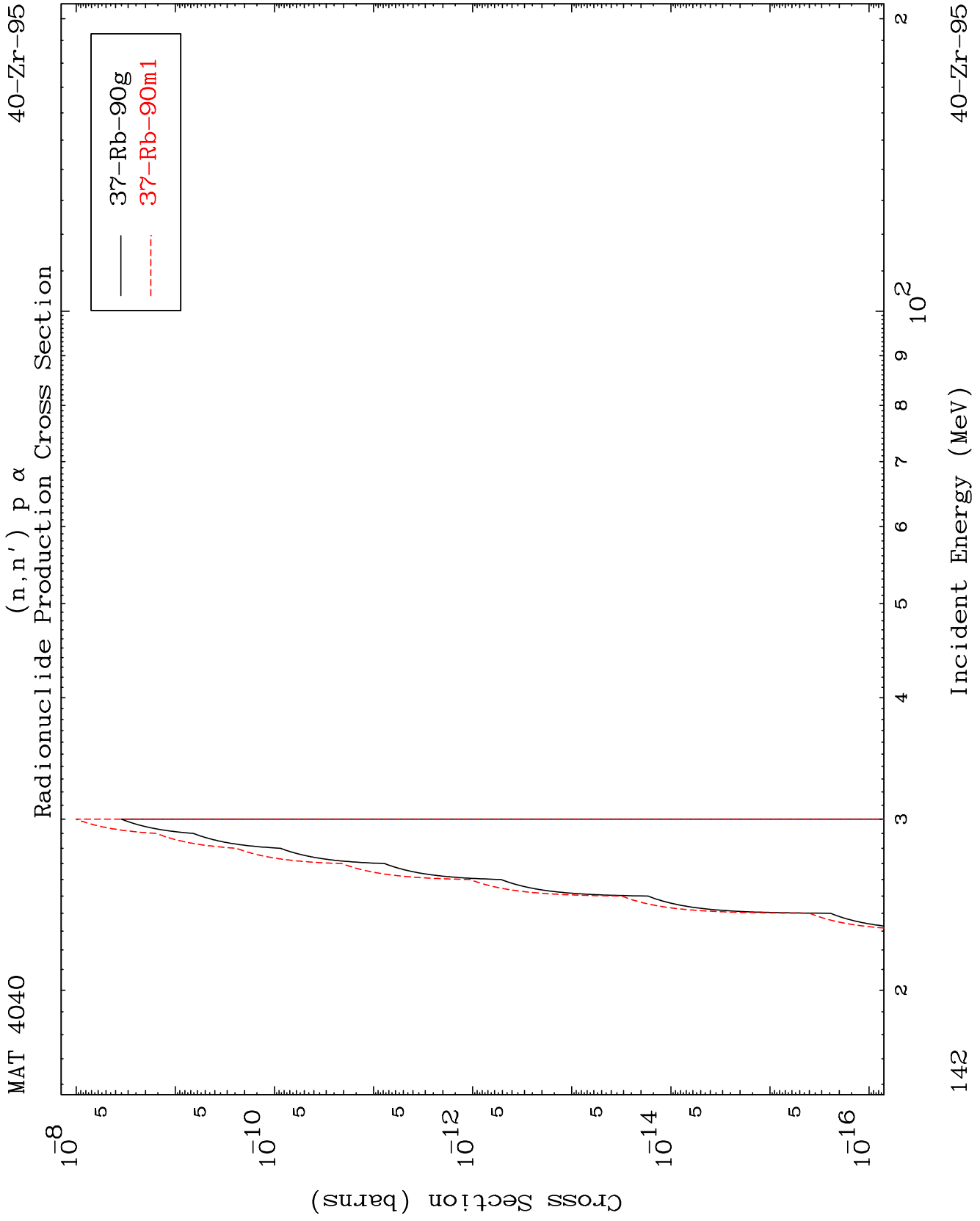
Radionuclide Production Cross Section



141

Incident Energy (MeV)

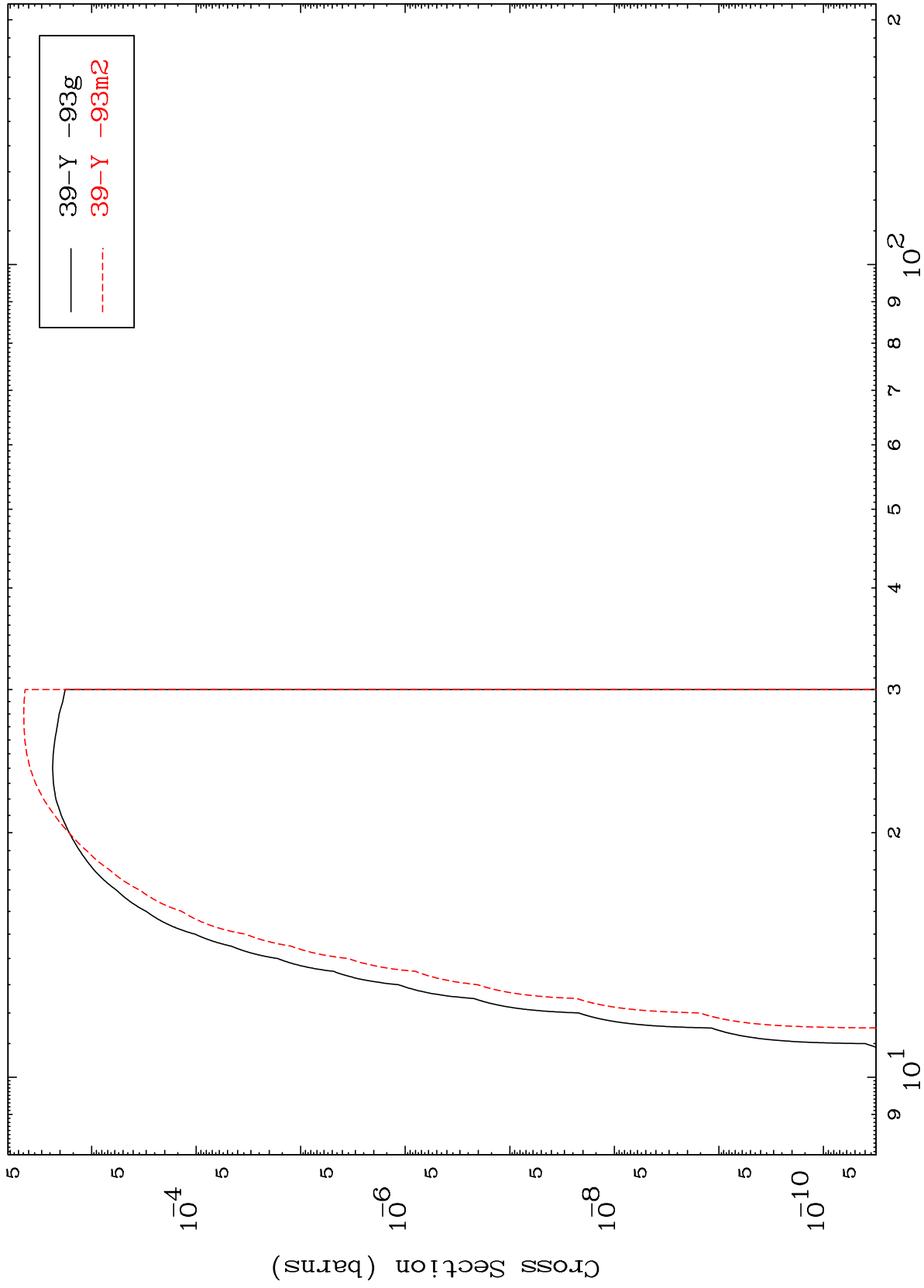
40-Zr-95



MAT 4040

(n, t)  
Radionuclide Production Cross Section

40-Zr-95



143

Incident Energy (MeV)

40-Zr-95

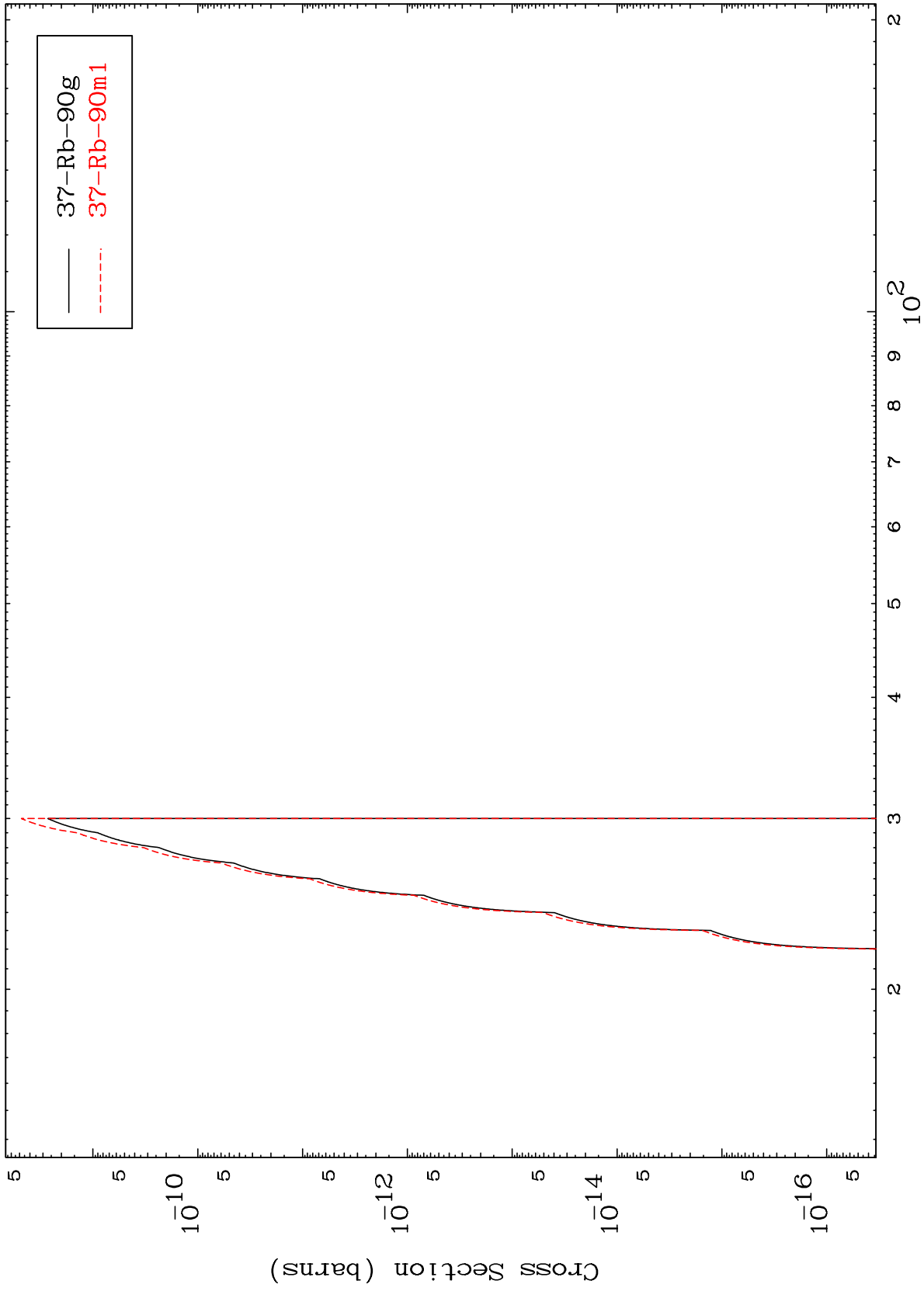


MAT 4040

(n,d)  $\alpha$

40-Zr-95

Radionuclide Production Cross Section



144

Incident Energy (MeV)

40-Zr-95