

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

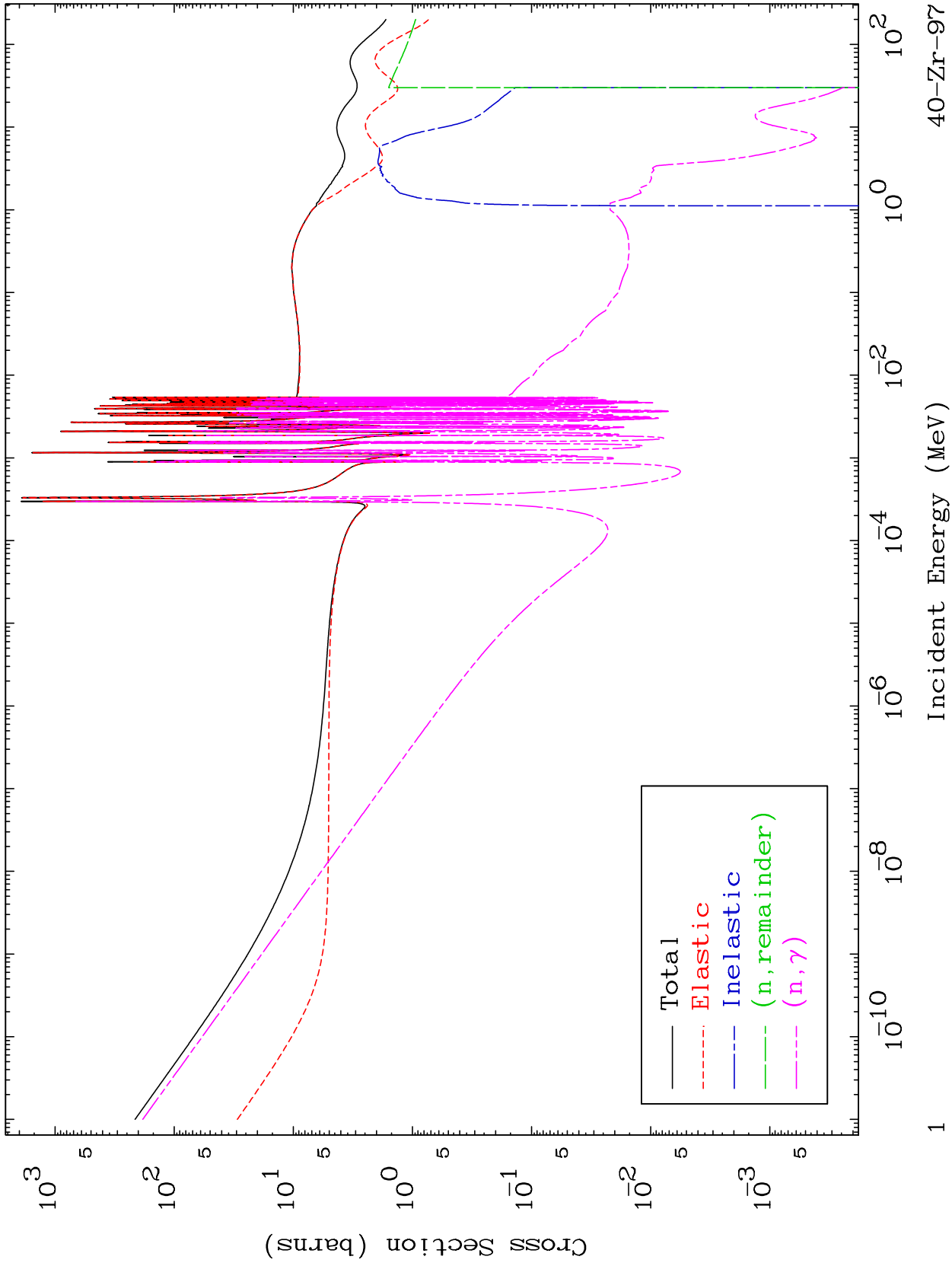
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4046

Major
293 Kelvin Cross Sections

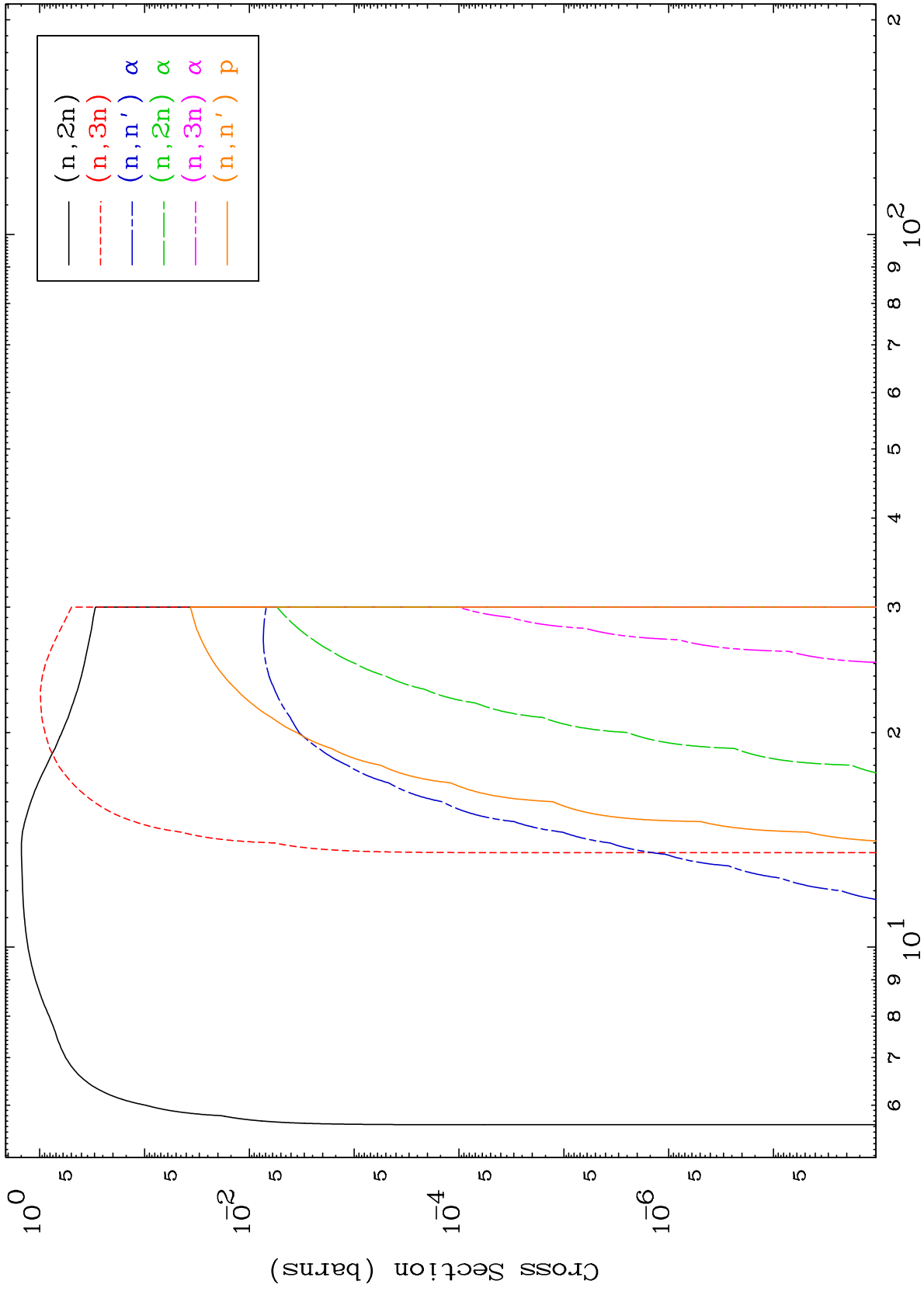
40-Zr-97



MAT 4046

Neutron Production
293 Kelvin Cross Sections

40-Zr-97



2

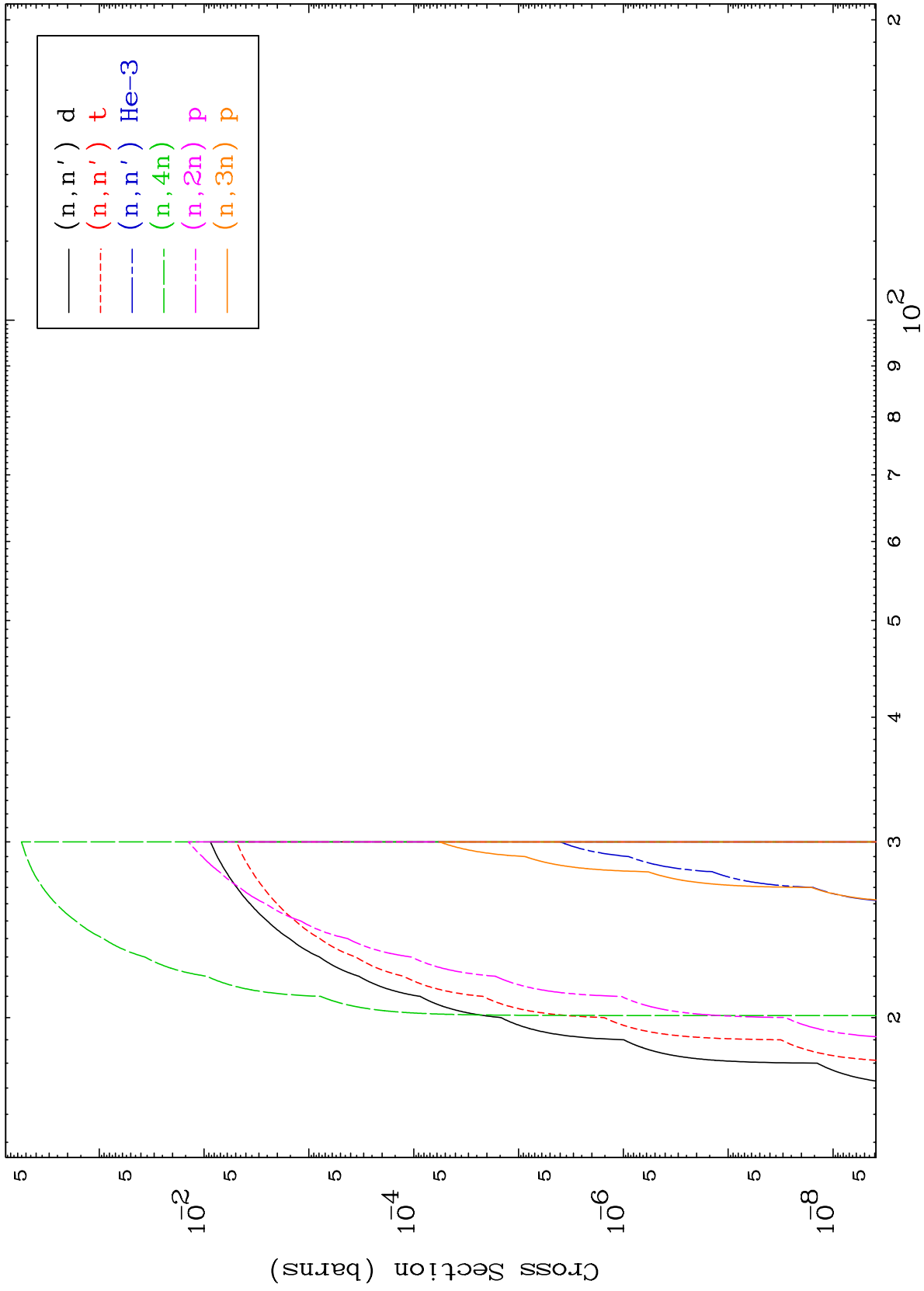
Incident Energy (MeV)

40-Zr-97

MAT 4046

Neutron Production
293 Kelvin Cross Sections

40-Zr-97



3

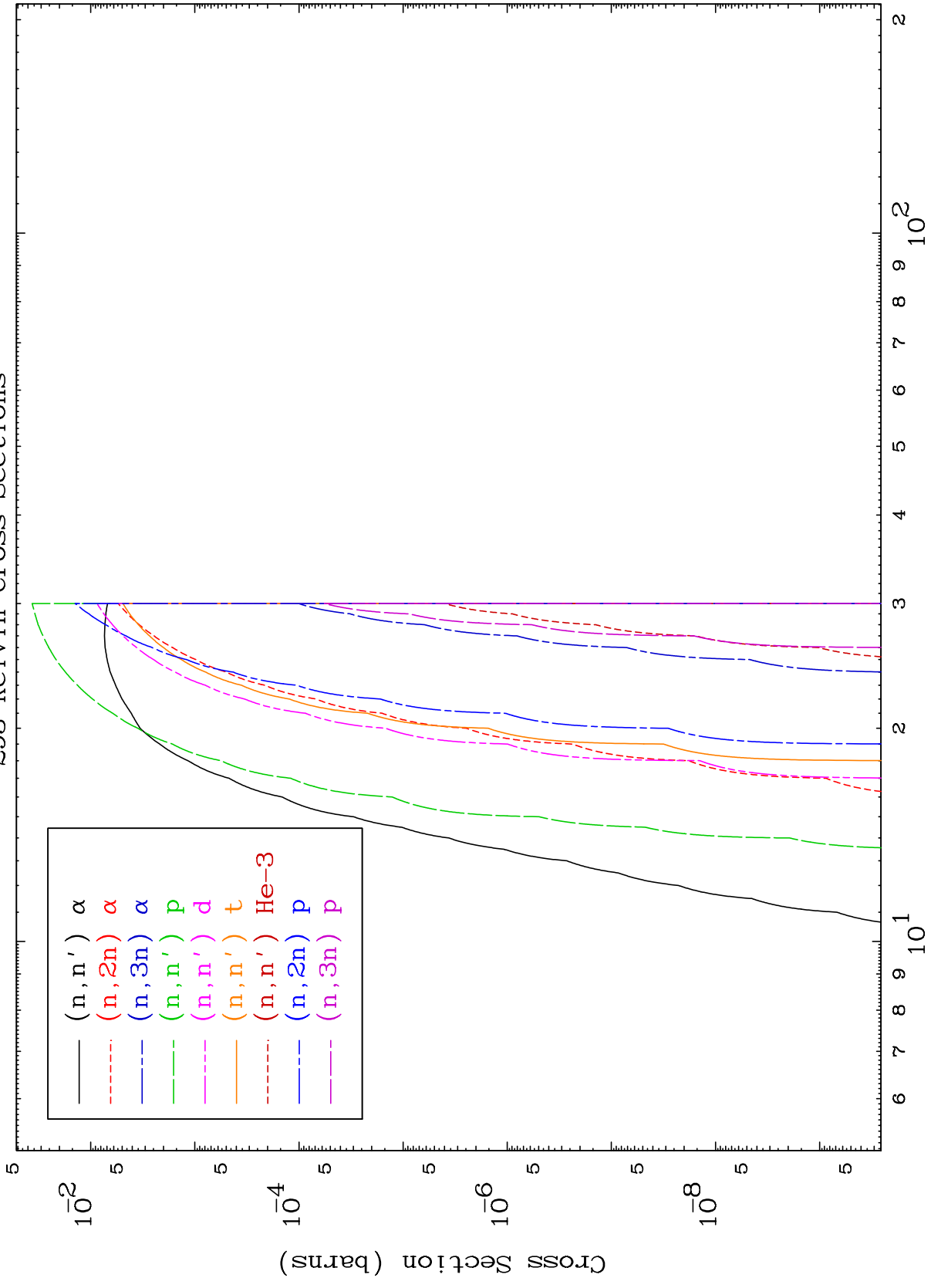
Incident Energy (MeV)

40-Zr-97

MAT 4046

Charged Particle
293 Kelvin Cross Sections

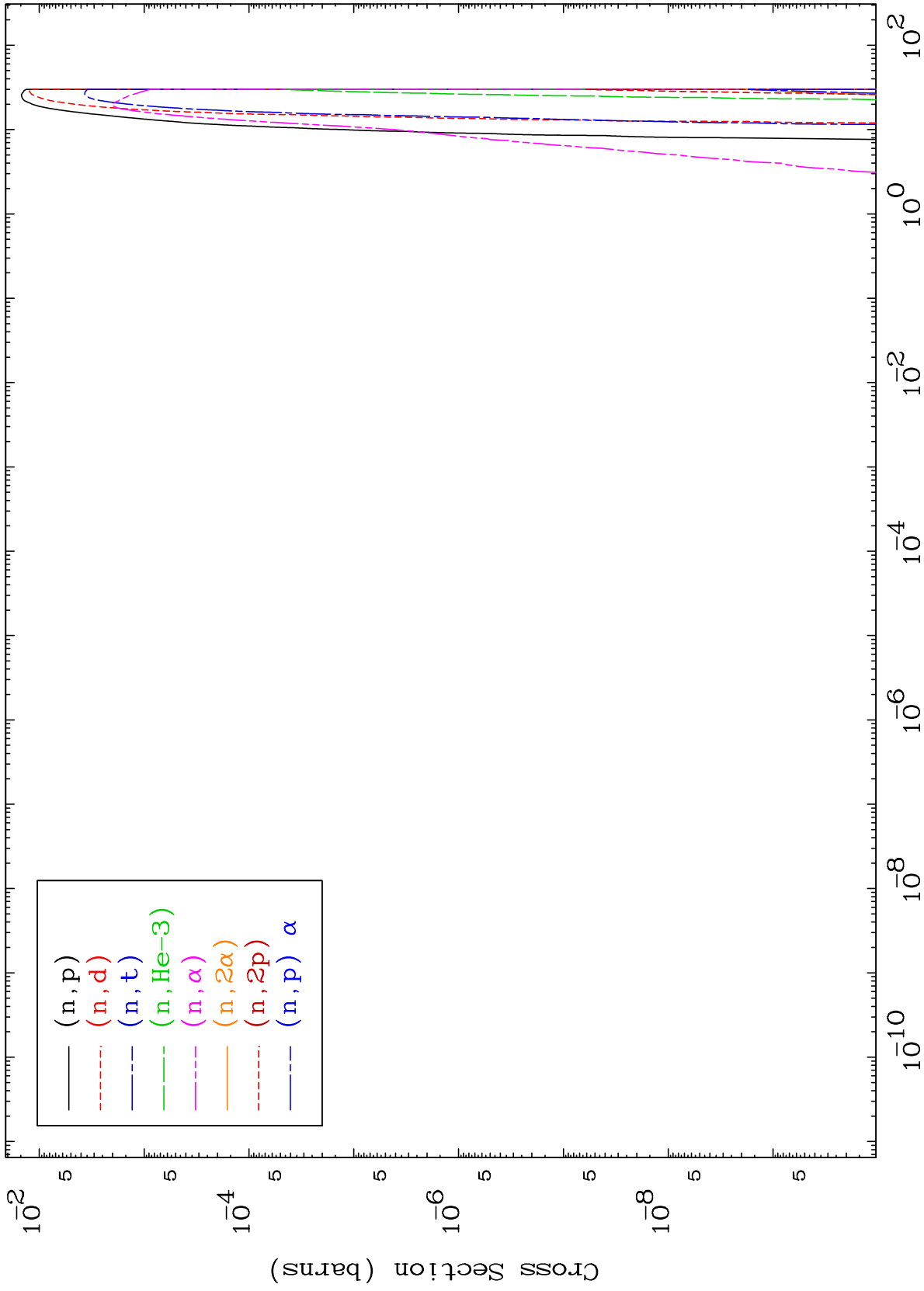
40-Zr-97



MAT 4046

293 Kelvin Cross Sections

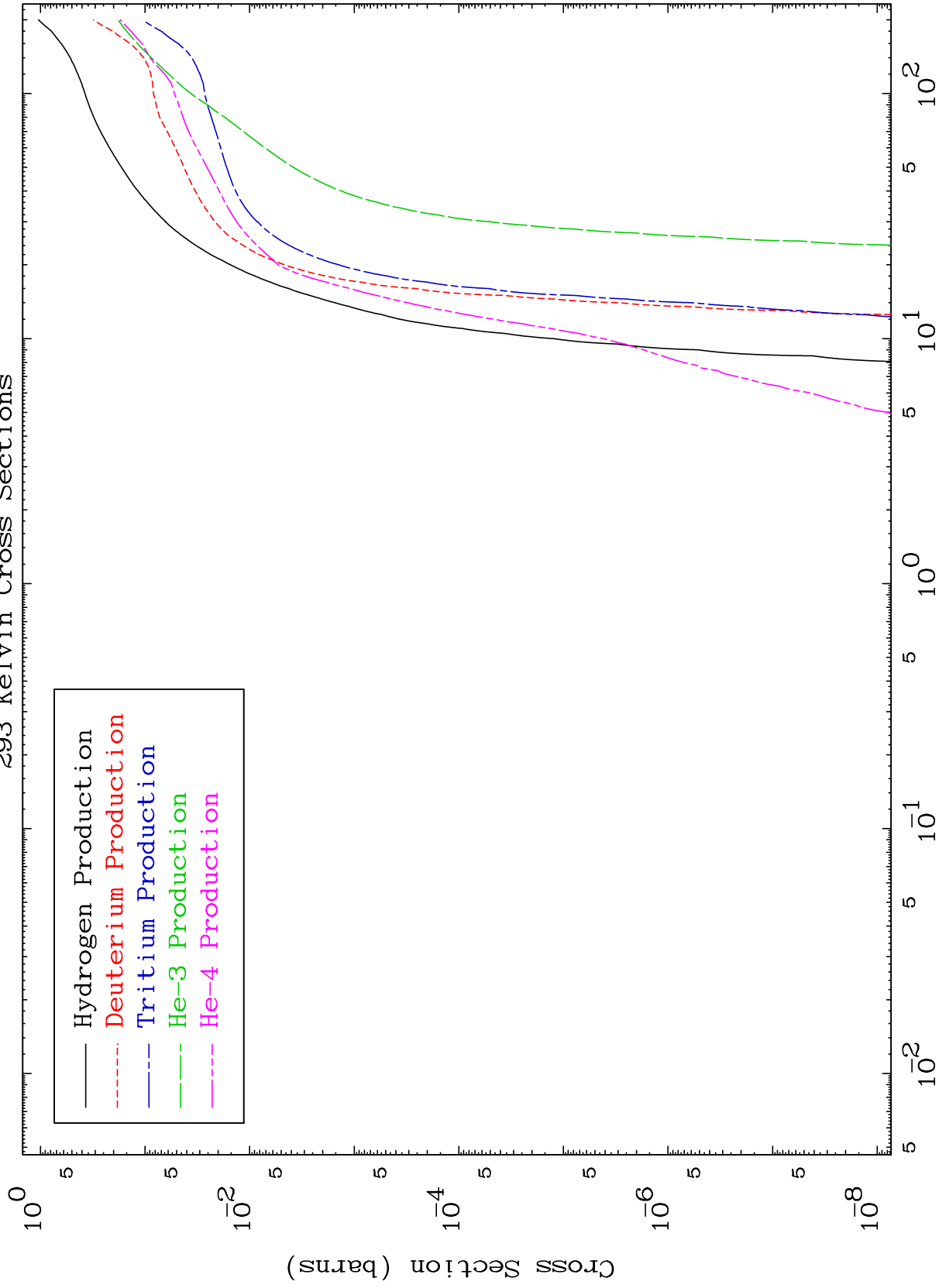
40-Zr-97



MAT 4046

Particle Production
293 Kelvin Cross Sections

40-Zr-97



6

Incident Energy (MeV)

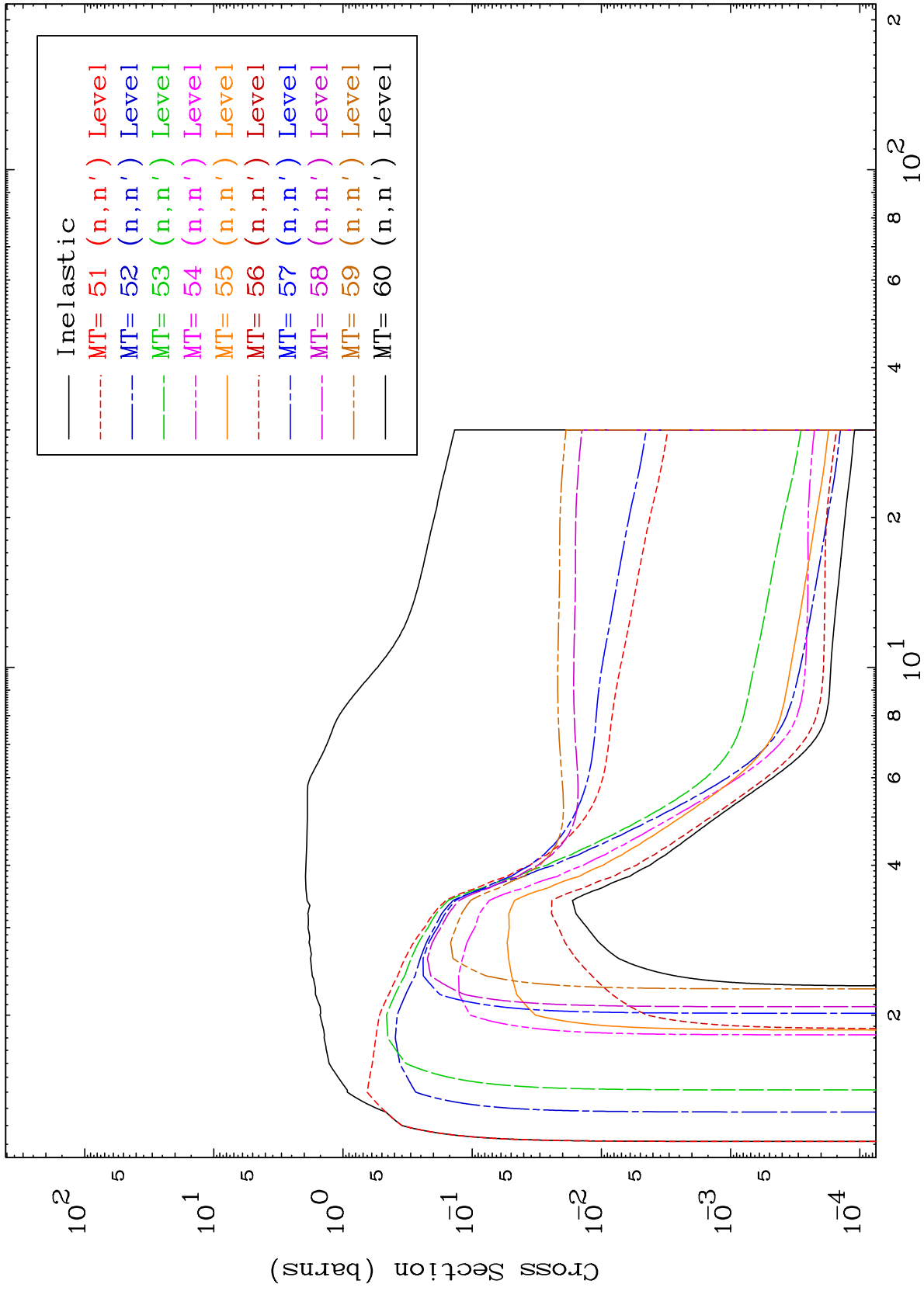
40-Zr-97

MAT 4046

(n,n') Level

40-Zr-97

293 Kelvin Cross Sections



7

Incident Energy (MeV)

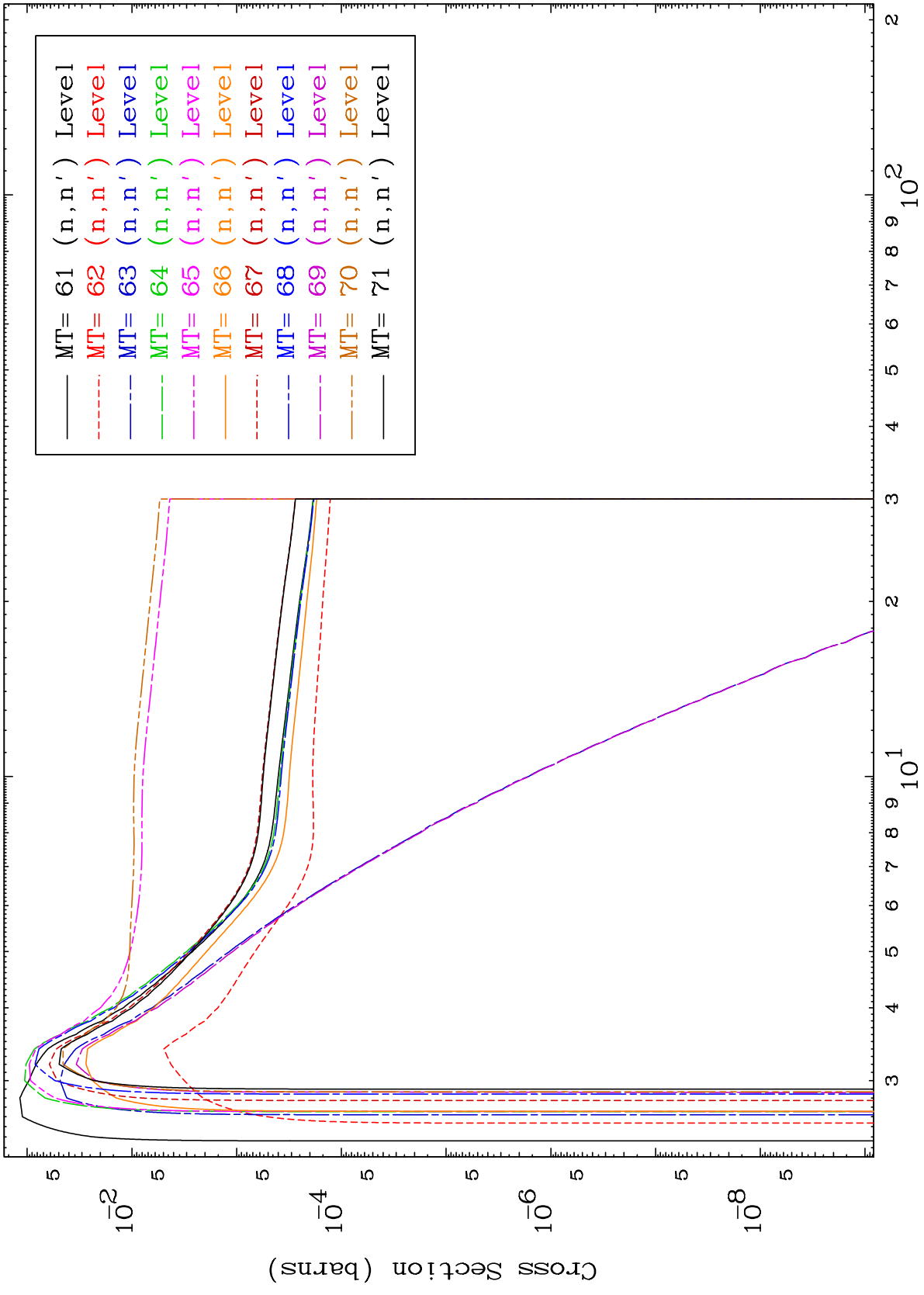
40-Zr-97

MAT 4046

(n,n') Level

293 Kelvin Cross Sections

40-Zr-97



8

Incident Energy (MeV)

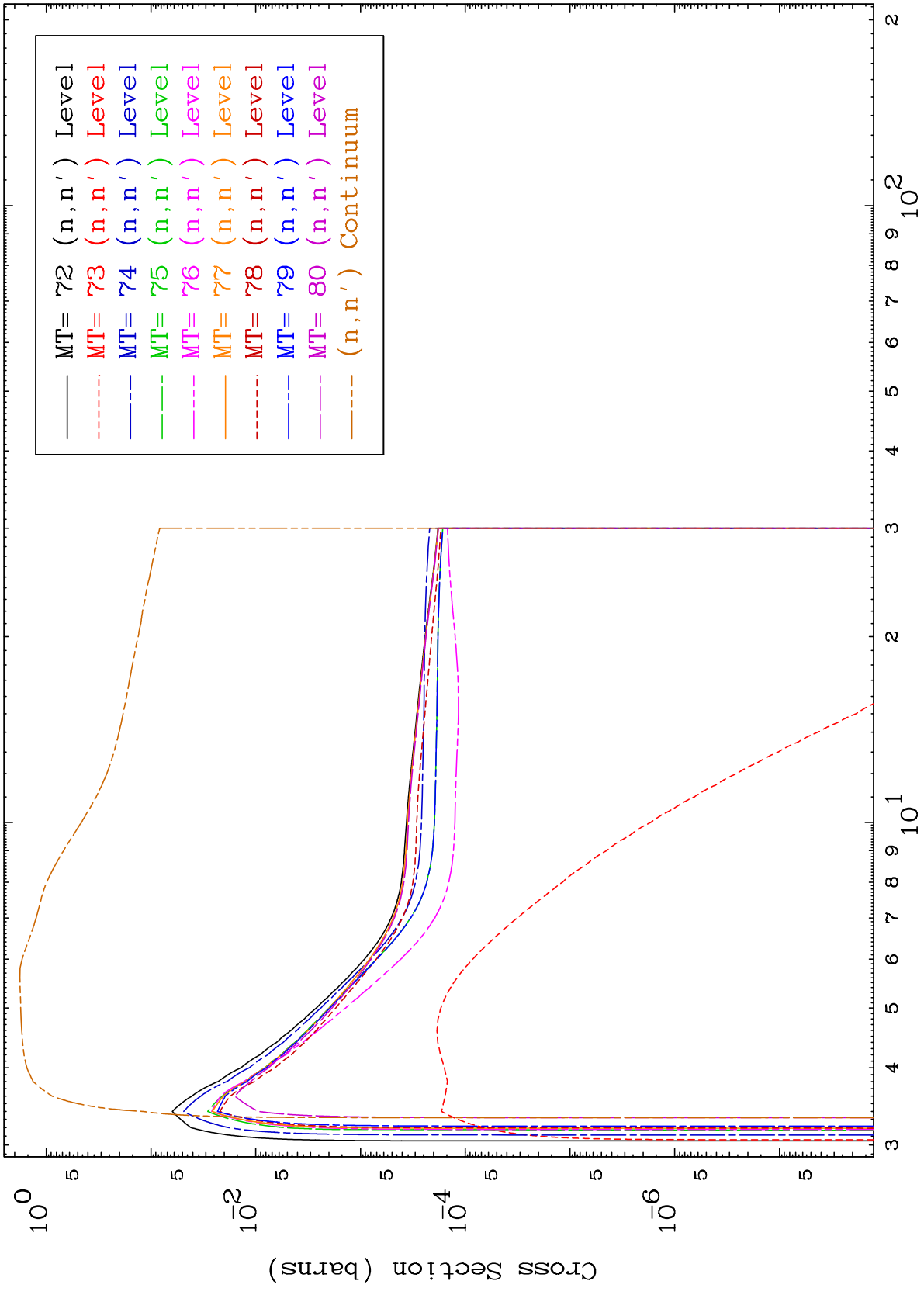
40-Zr-97

MAT 4046

(n,n') Level

40-Zr-97

293 Kelvin Cross Sections

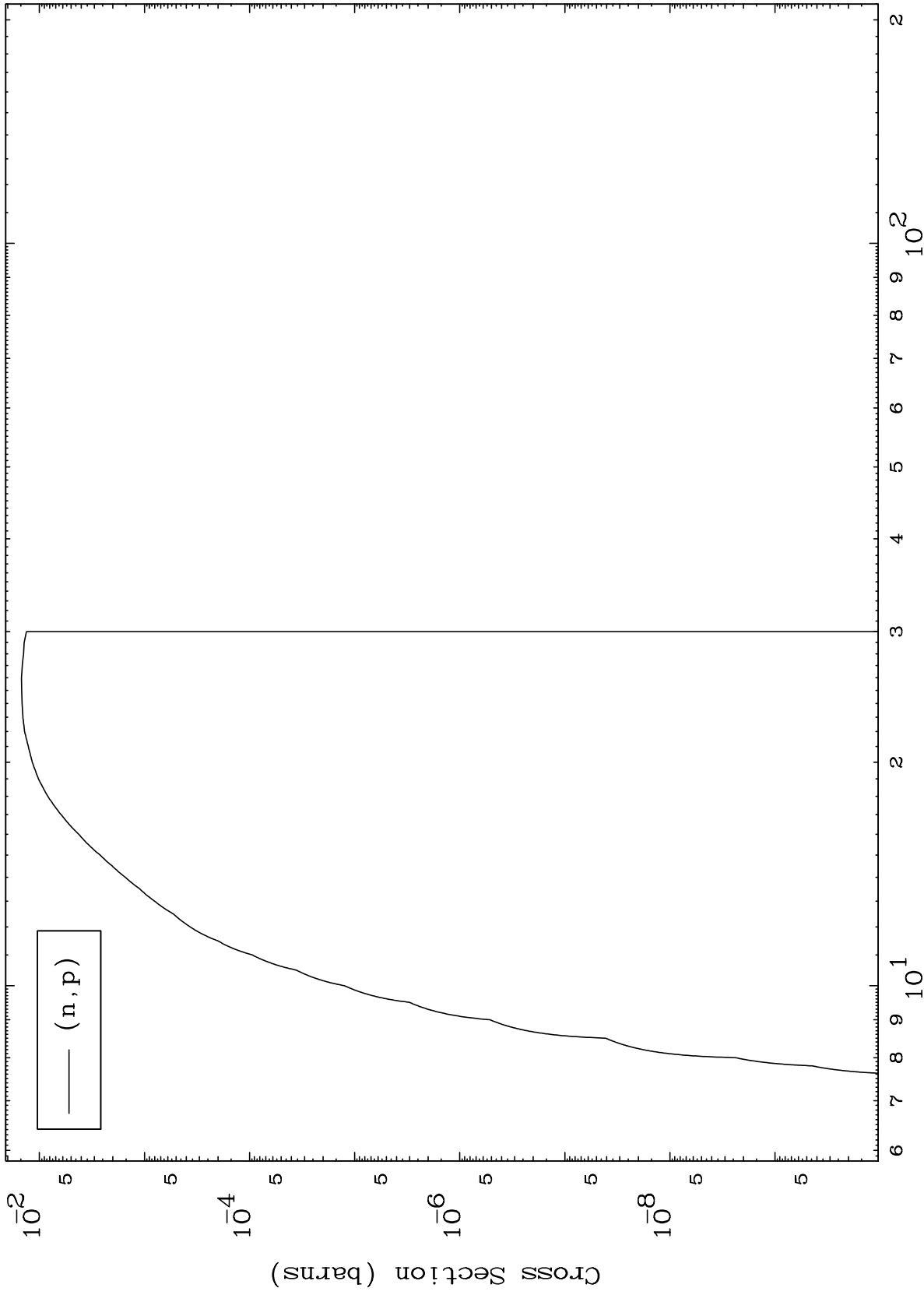


9

MAT 4046

(n,p) Levels
293 Kelvin Cross Sections

40-Zr-97



10

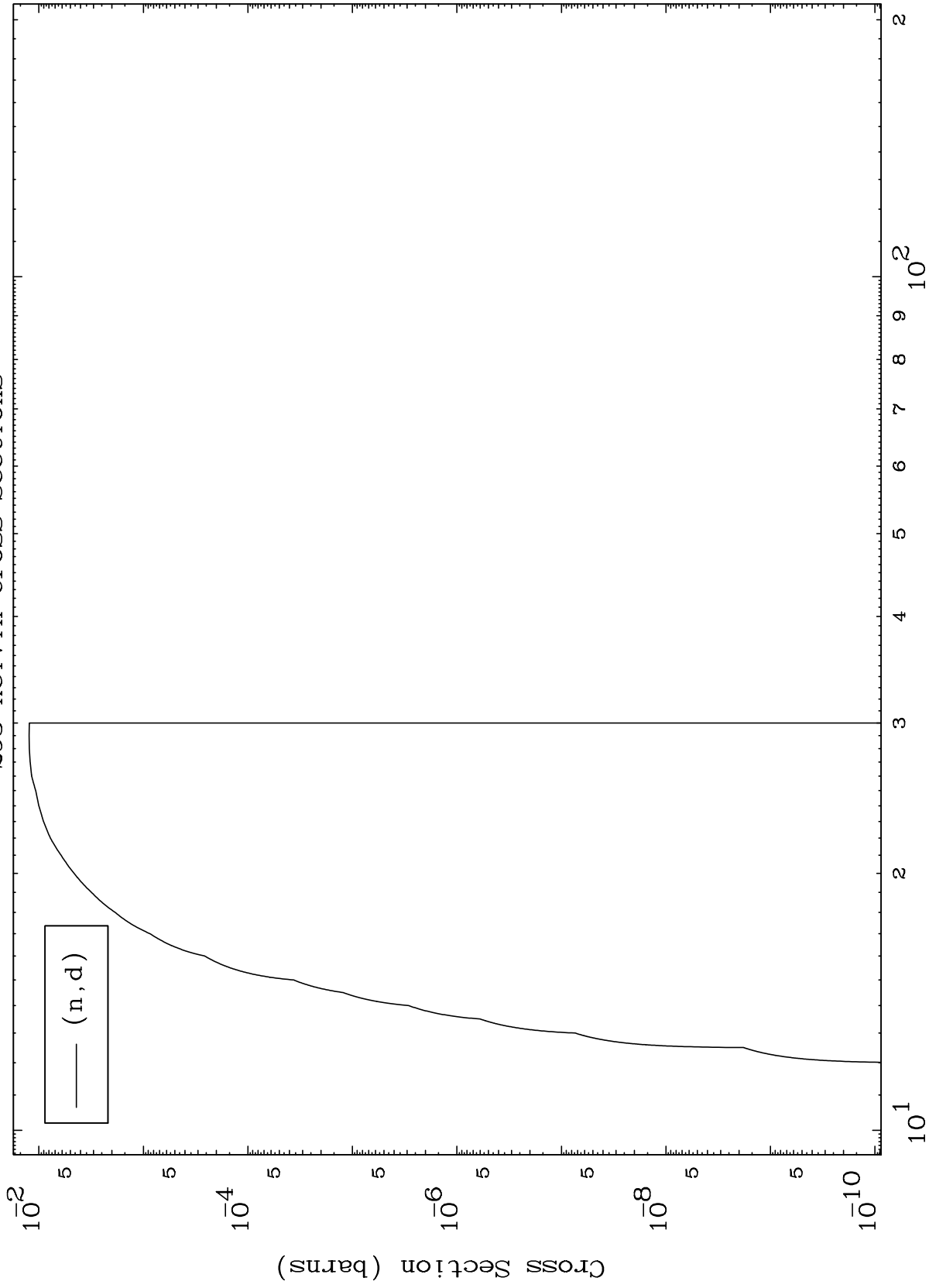
Incident Energy (MeV)

40-Zr-97

MAT 4046

(n,d) Levels
293 Kelvin Cross Sections

40-Zr-97



11

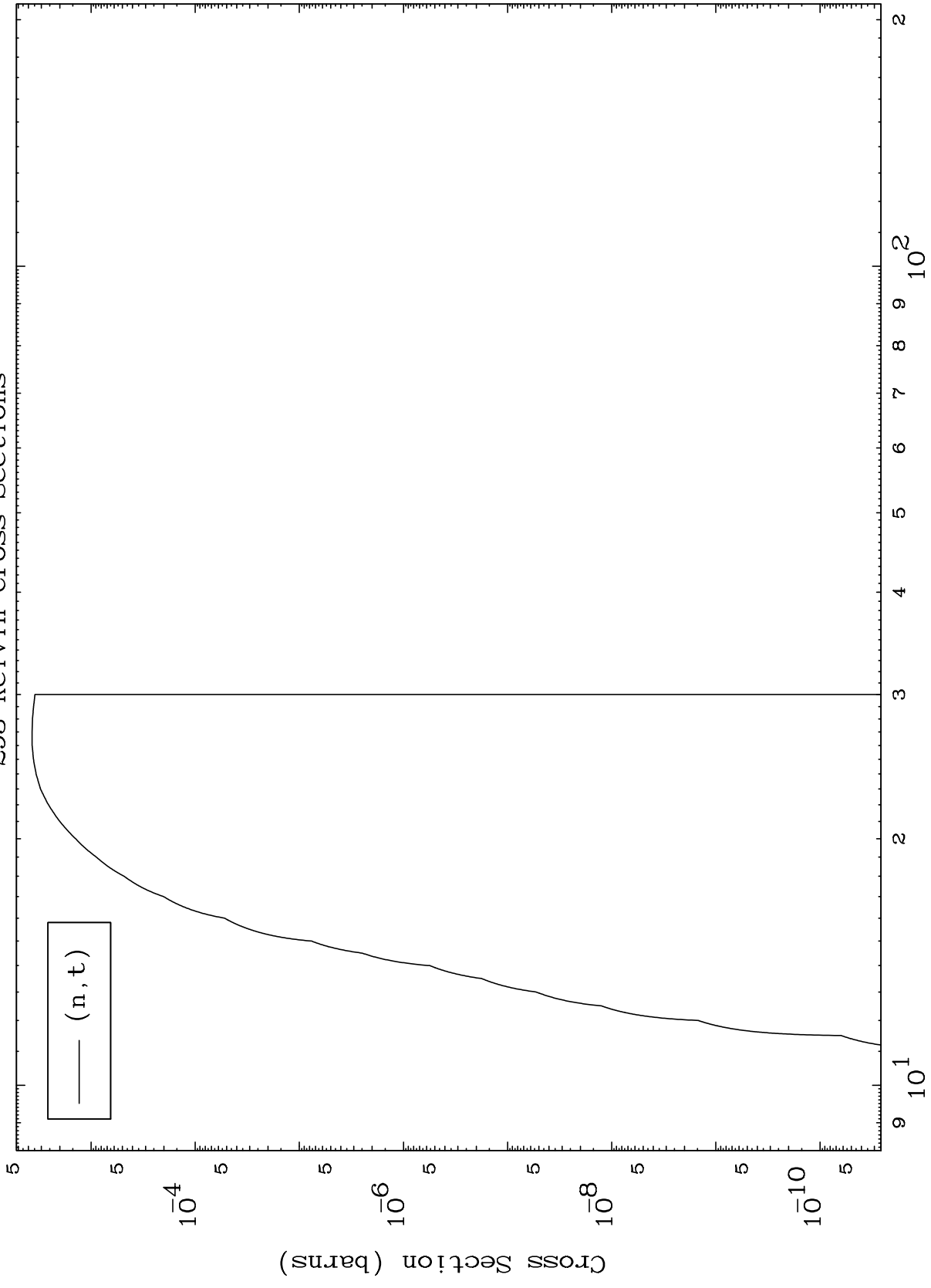
Incident Energy (MeV)

40-Zr-97

MAT 4046

(n,t) Levels
293 Kelvin Cross Sections

40-Zr-97



(n,t)

12

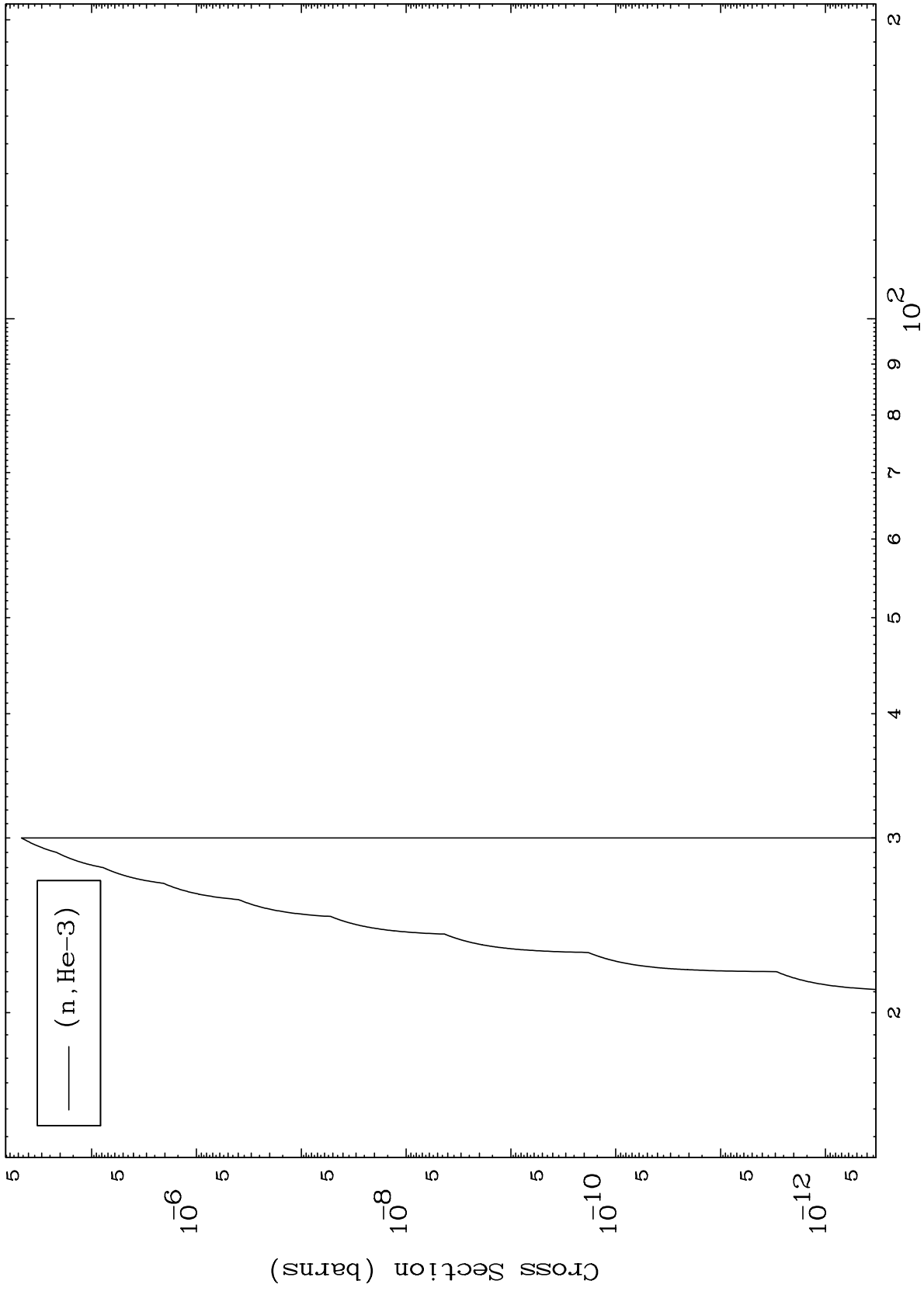
Incident Energy (MeV)

40-Zr-97

MAT 4046

(n,He3) Levels
293 Kelvin Cross Sections

40-Zr-97



13

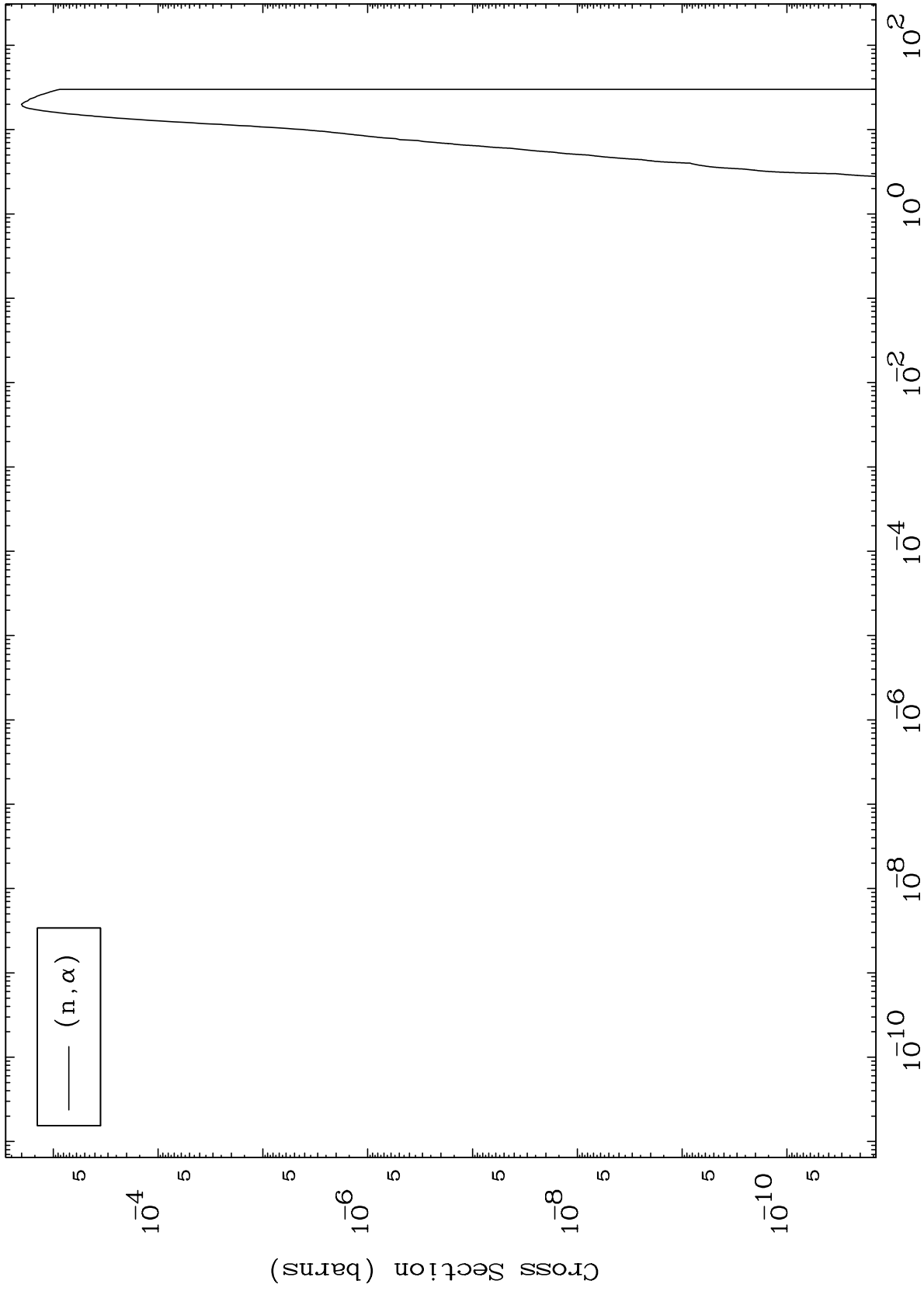
Incident Energy (MeV)

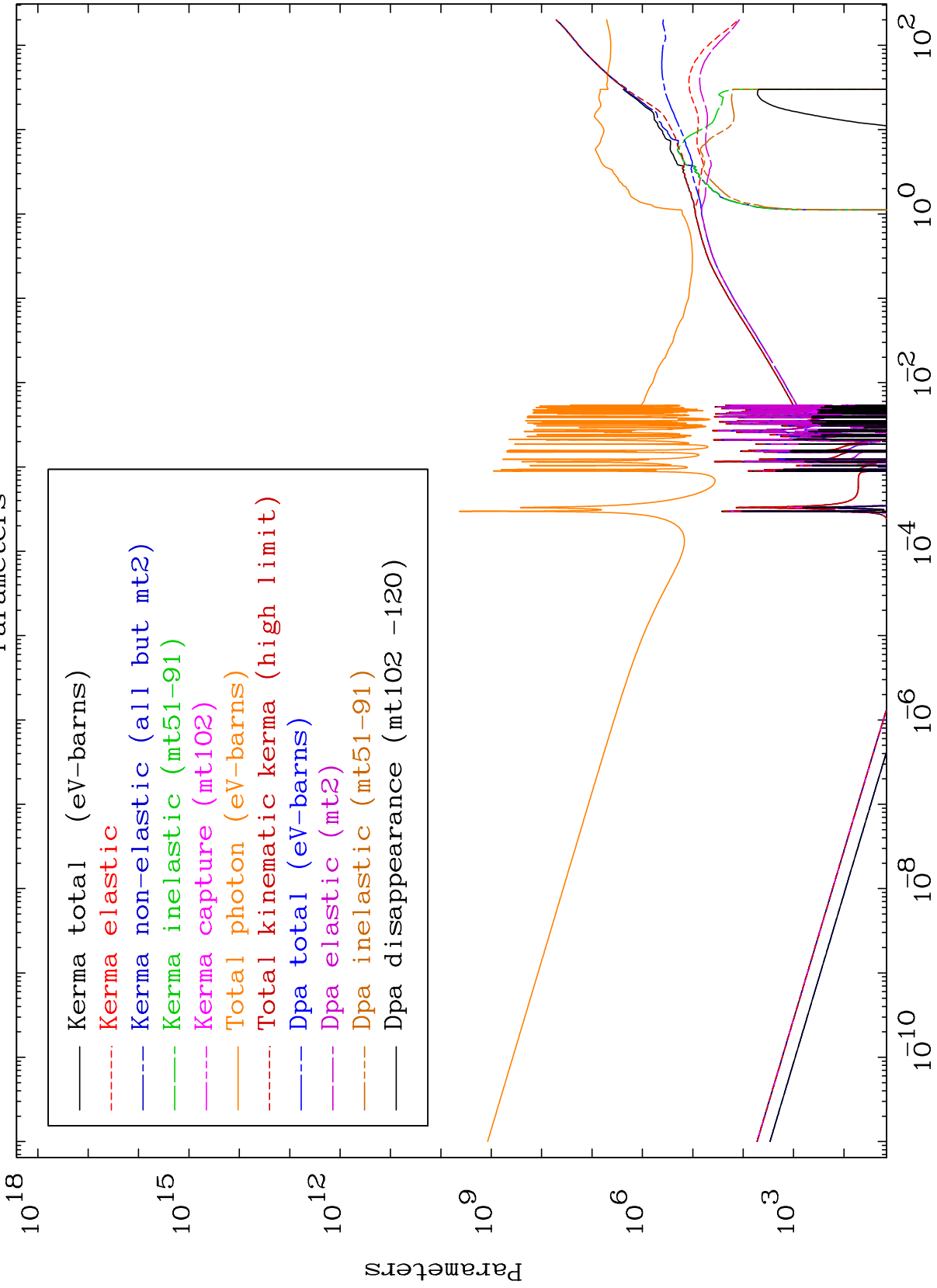
40-Zr-97

MAT 4046

(n,α) Levels
293 Kelvin Cross Sections

40-Zr-97

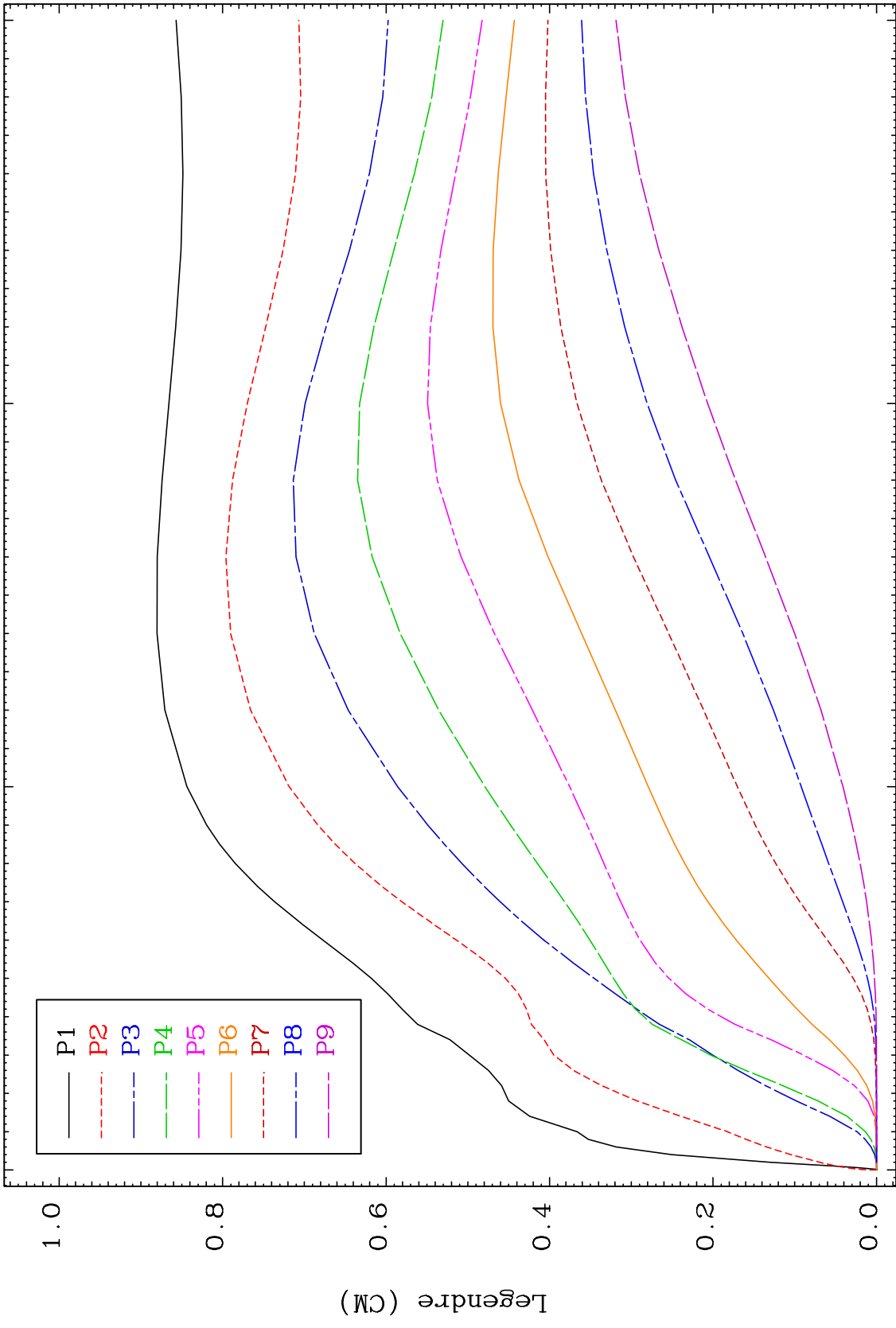




MAT 4046

Elastic Legendre Coefficients

40-Zr-97



16

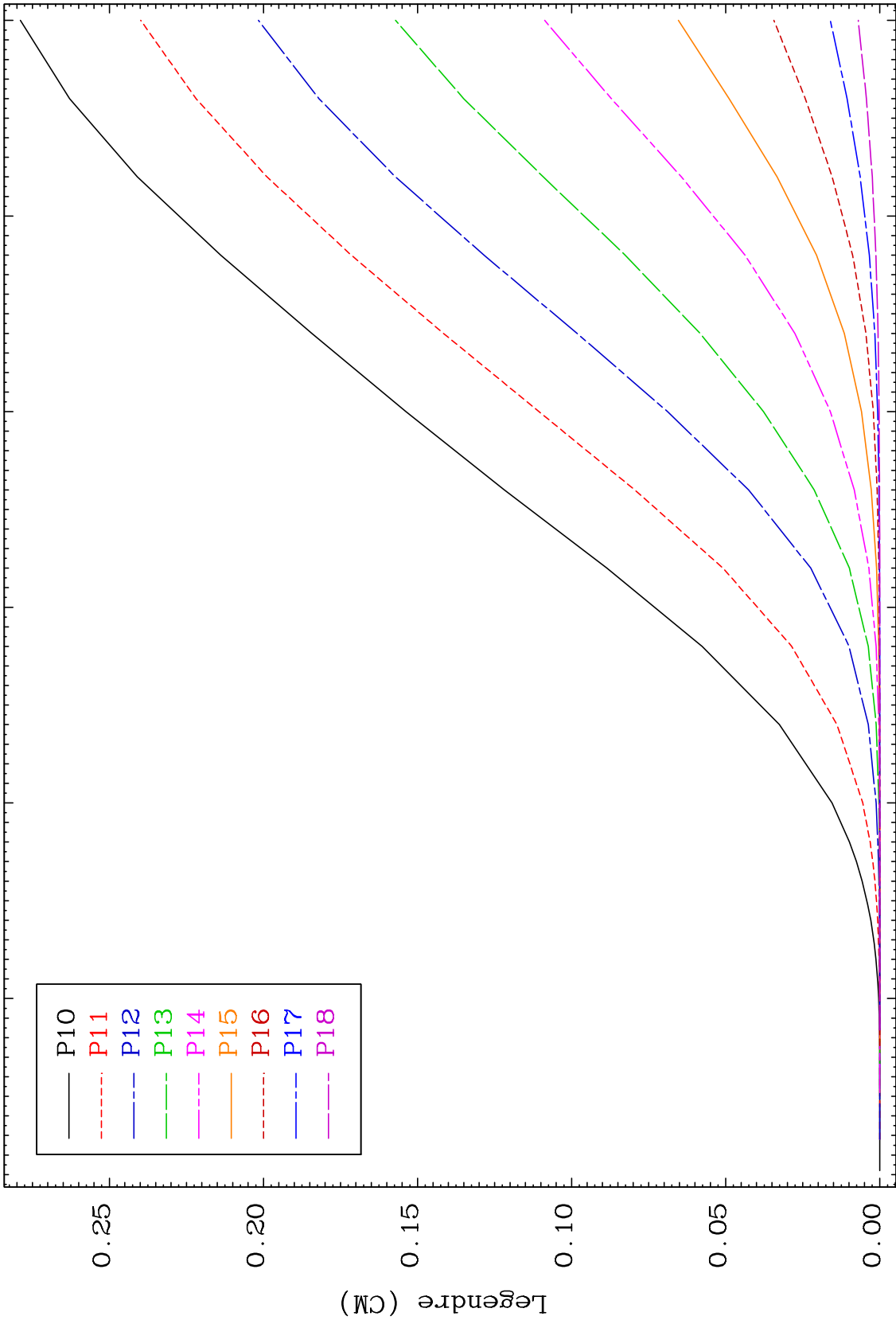
Incident Energy (MeV)

40-Zr-97

MAT 4046

Elastic Legendre Coefficients

40-Zr-97



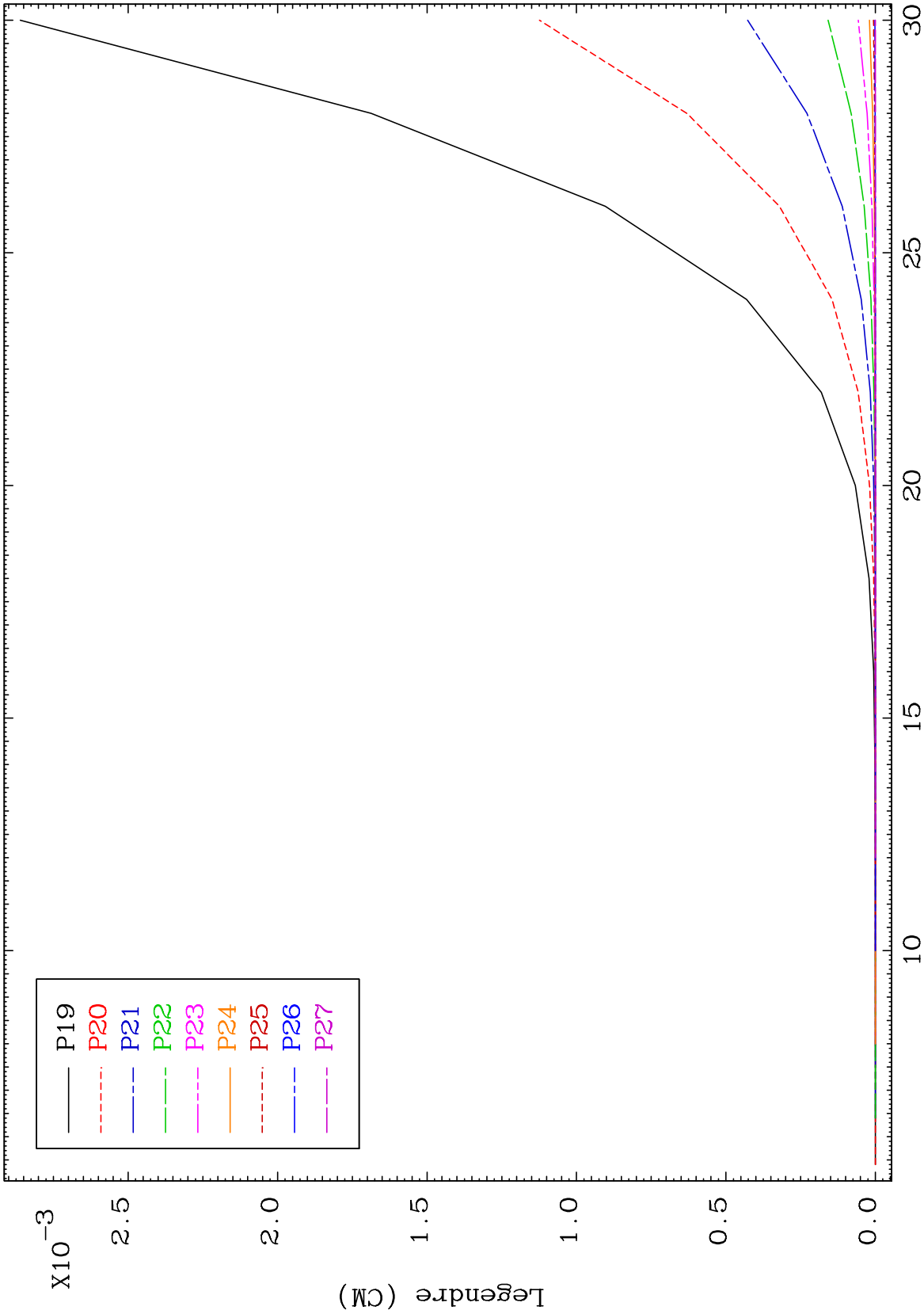
17

40-Zr-97

MAT 4046

Elastic Legendre Coefficients

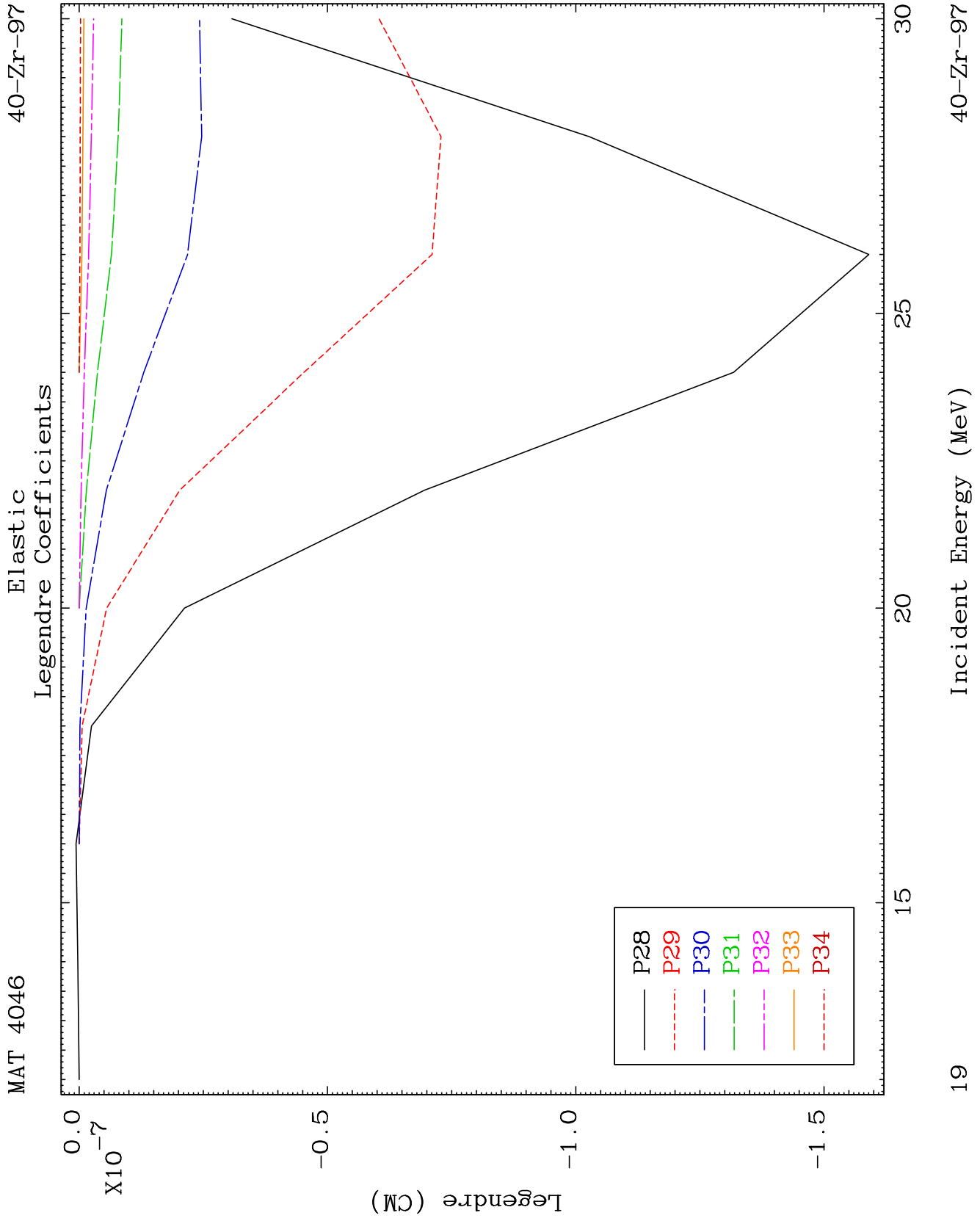
40-Zr-97

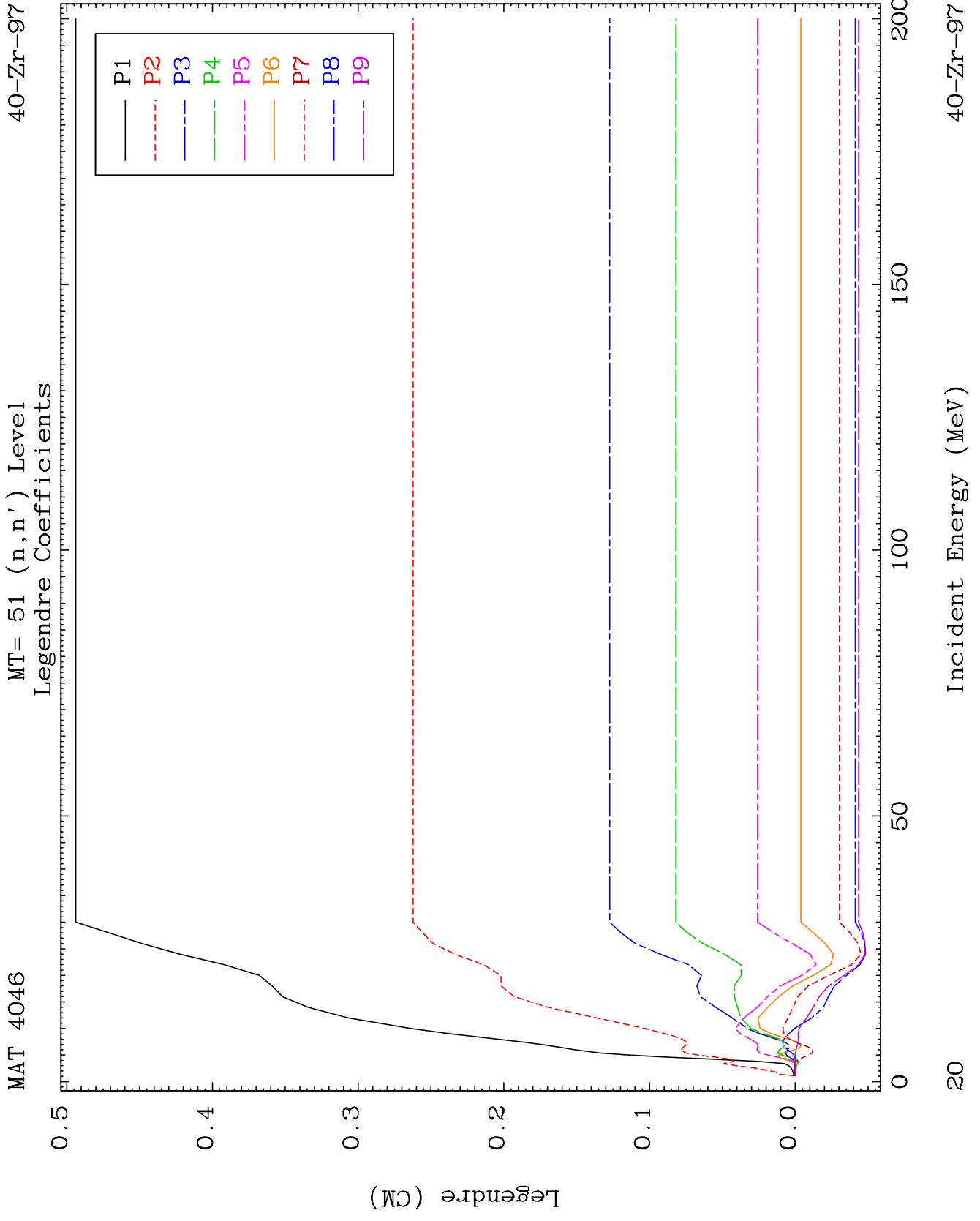


18

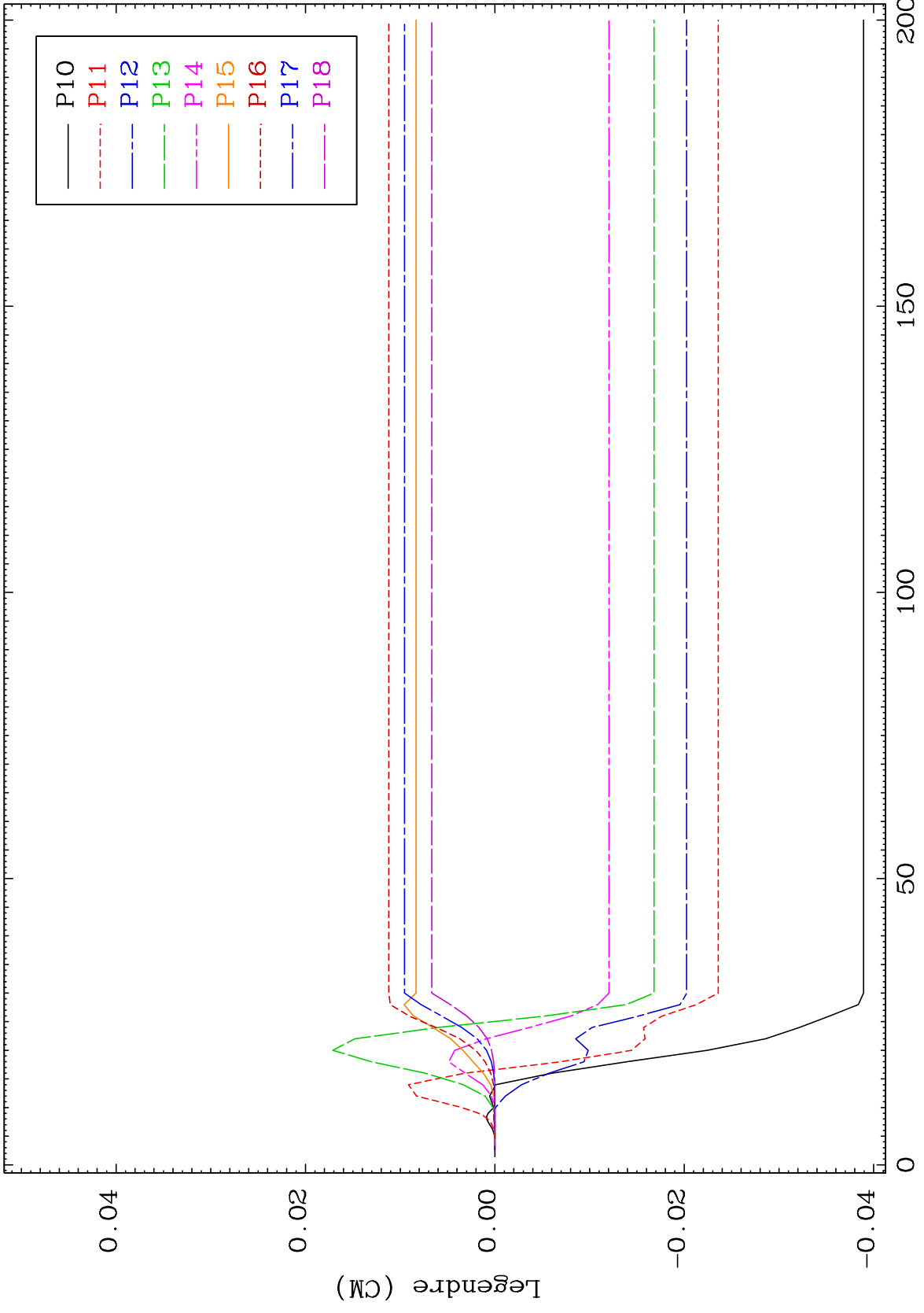
Incident Energy (MeV)

40-Zr-97



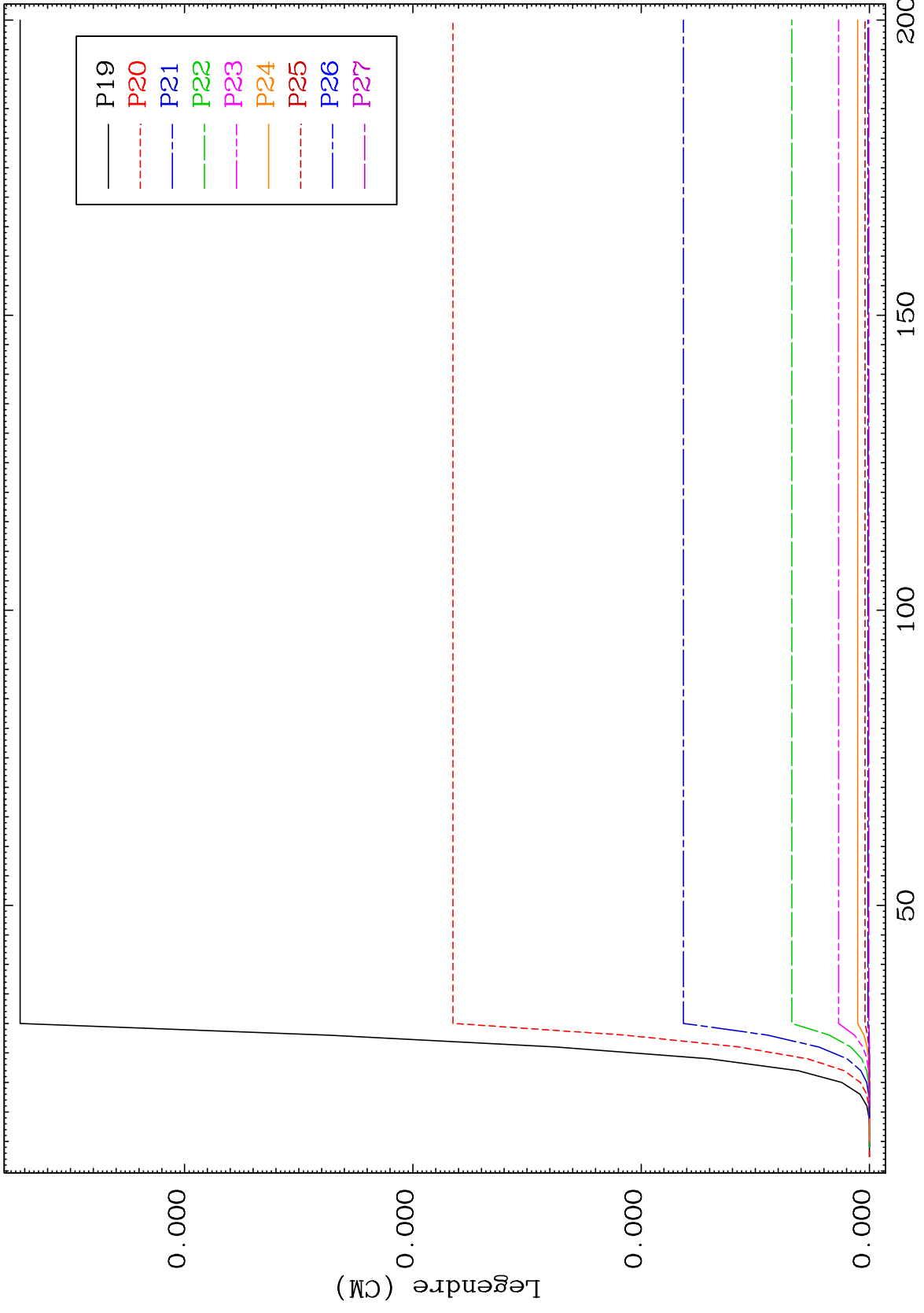


MAT 4046 MT= 51 (n,n') Level Legendre Coefficients 40-Zr-97



21 40-Zr-97

MAT 4046 MT= 51 (n,n') Level Legendre Coefficients 40-Zr-97

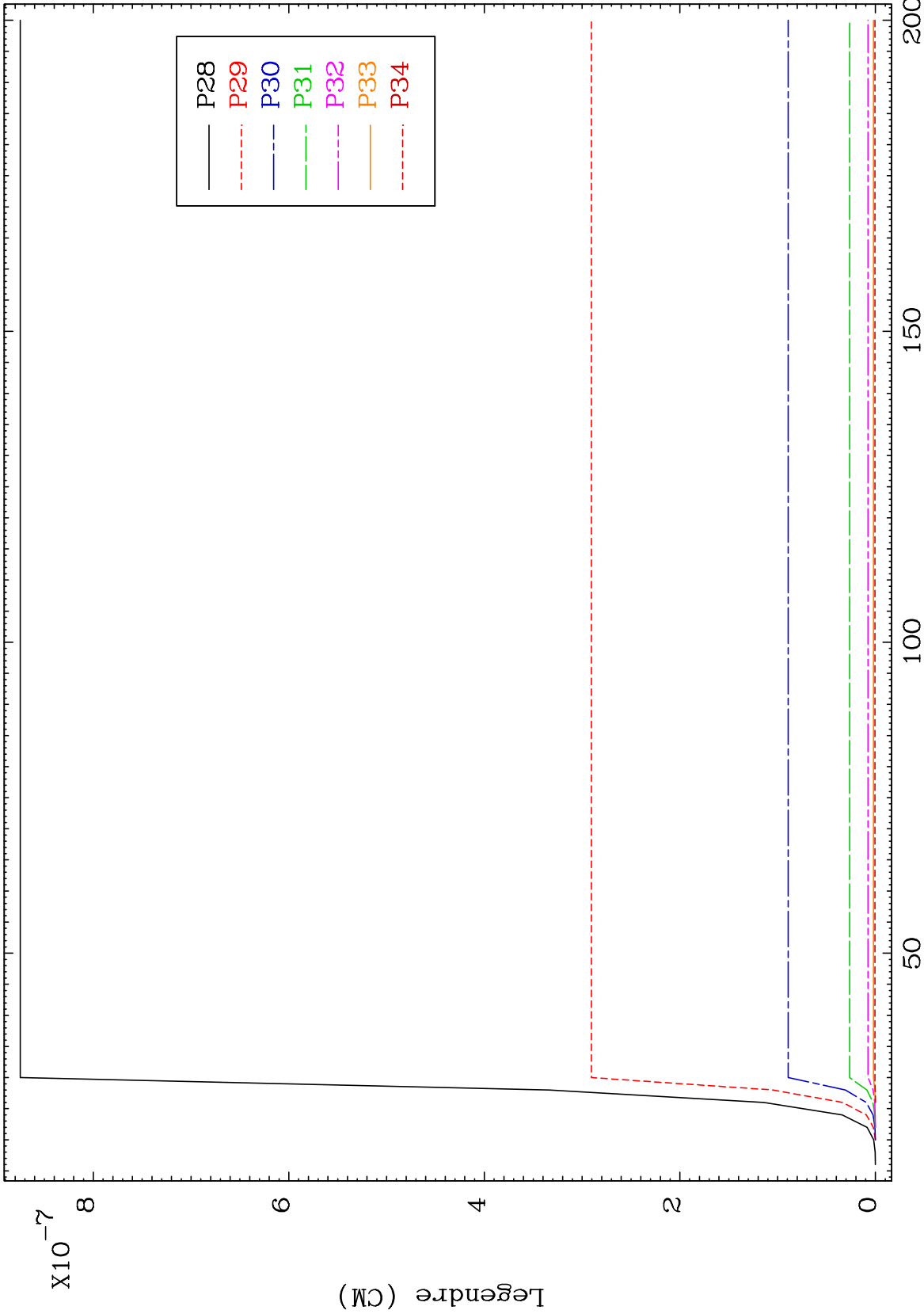


22 40-Zr-97

MAT 4046

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

40-Zr-97

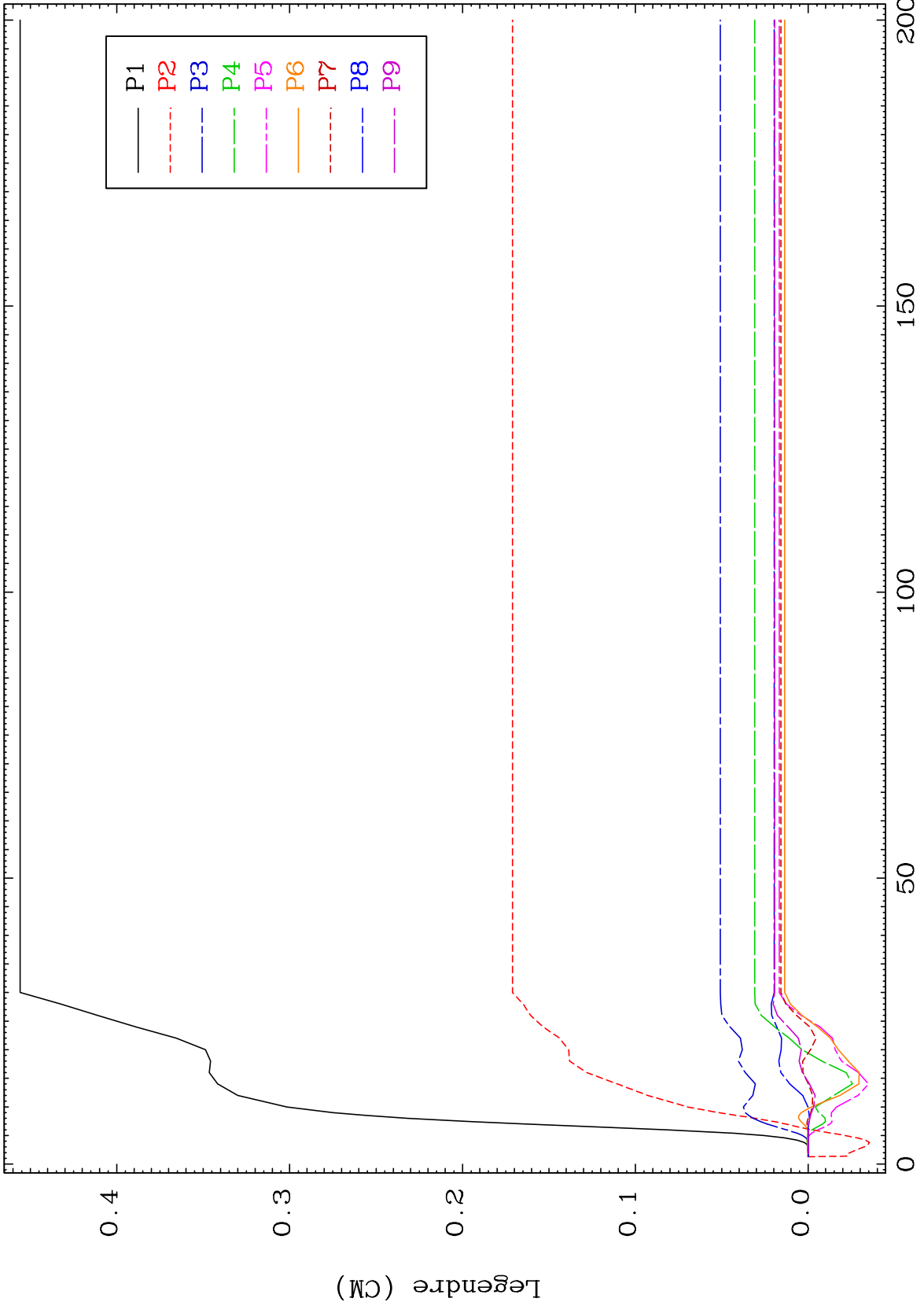


23

Incident Energy (MeV)

40-Zr-97

MAT 4046 MT= 52 (n,n') Level Legendre Coefficients 40-Zr-97

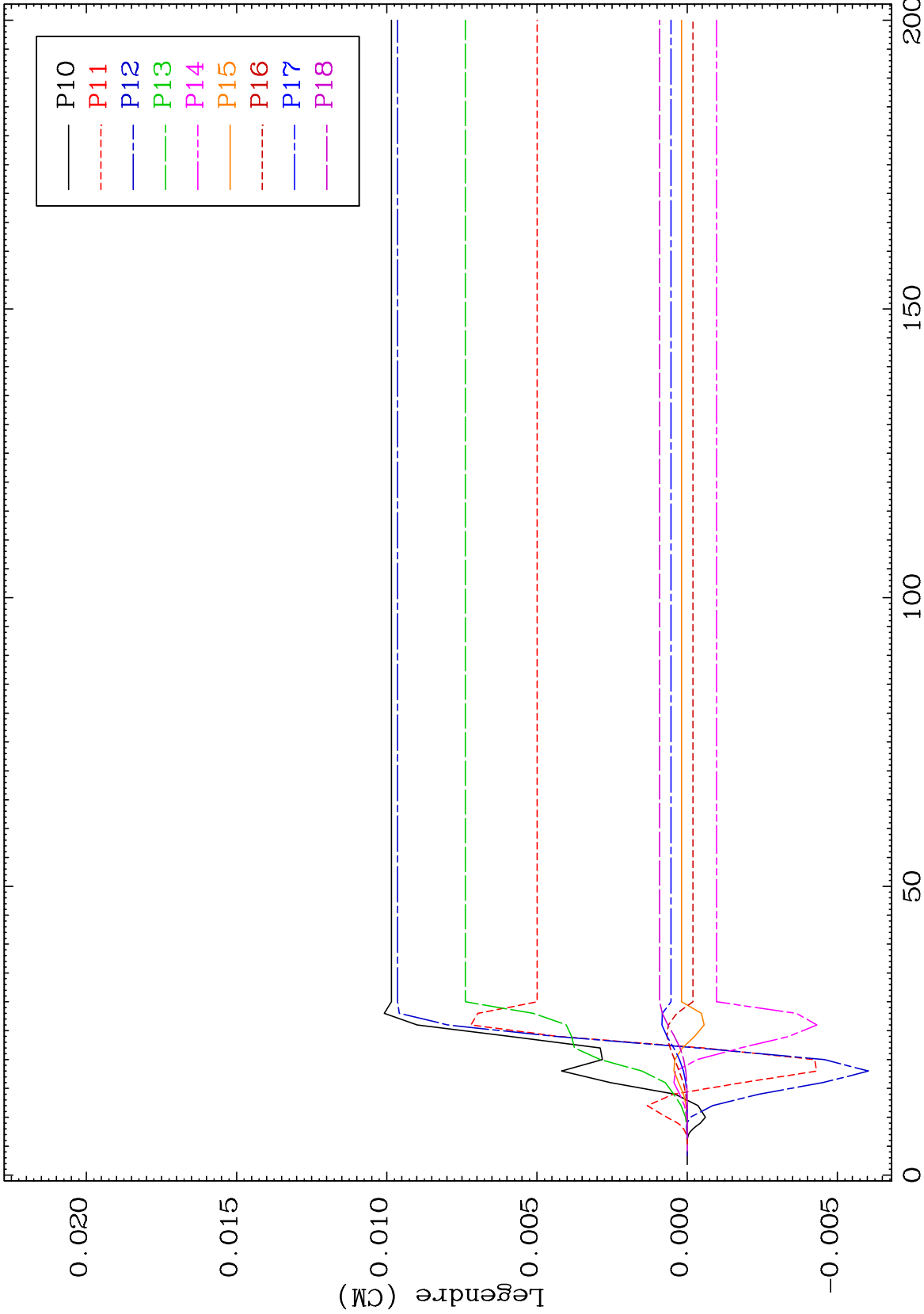


24 40-Zr-97

MAT 4046

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

40-Zr-97

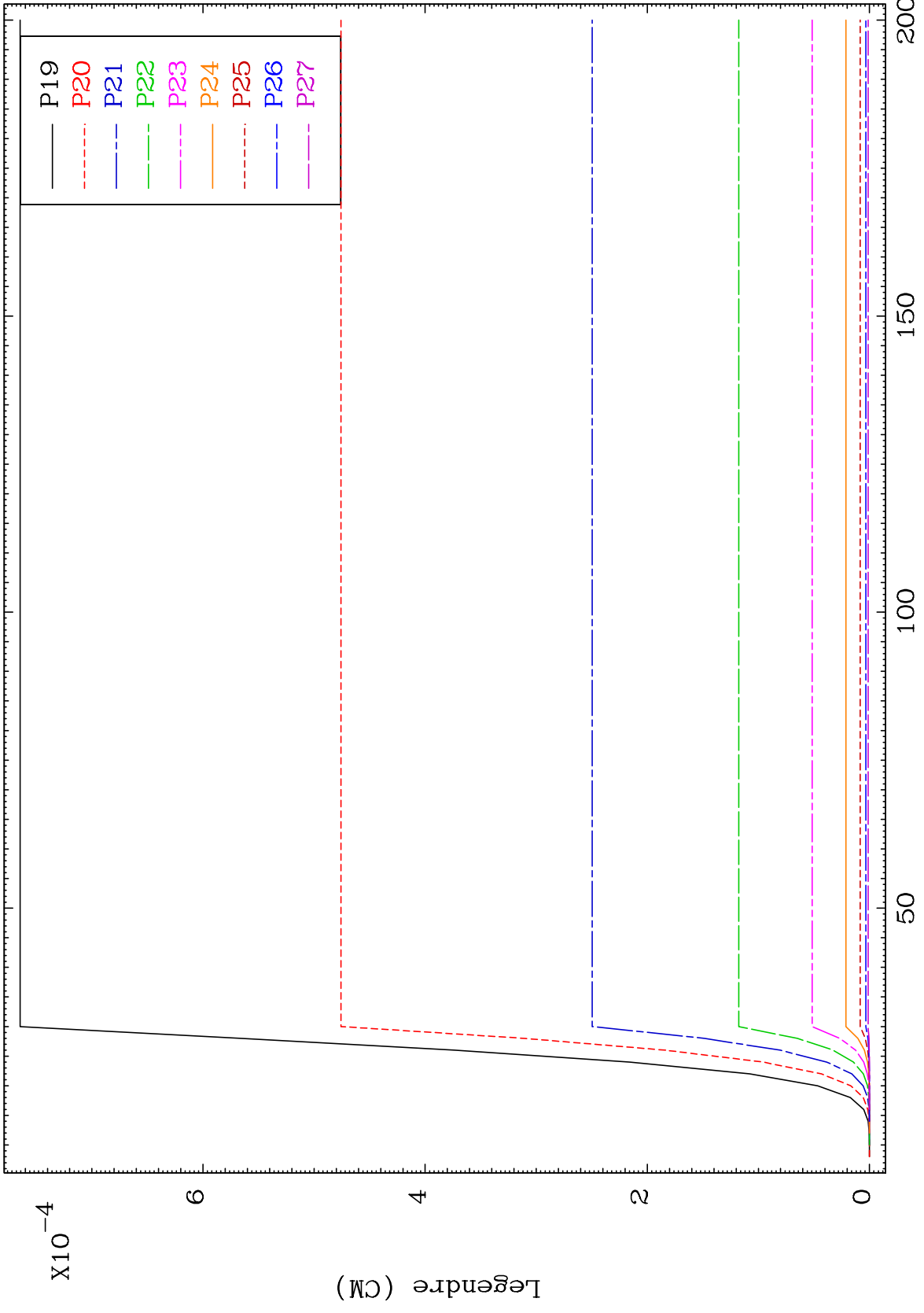


25

Incident Energy (MeV)

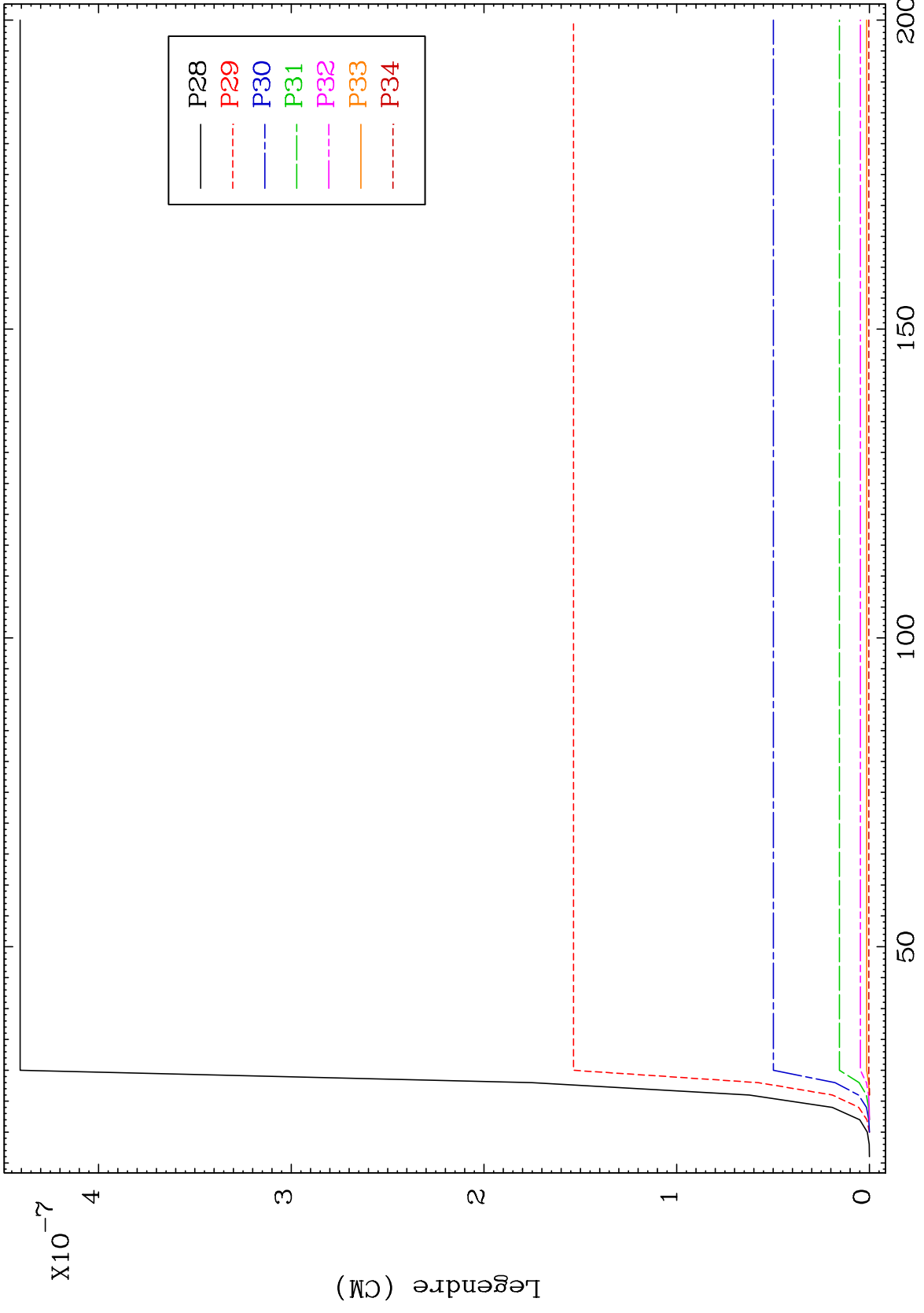
40-Zr-97

MAT 4046 MT= 52 (n,n') Level Legendre Coefficients 40-Zr-97



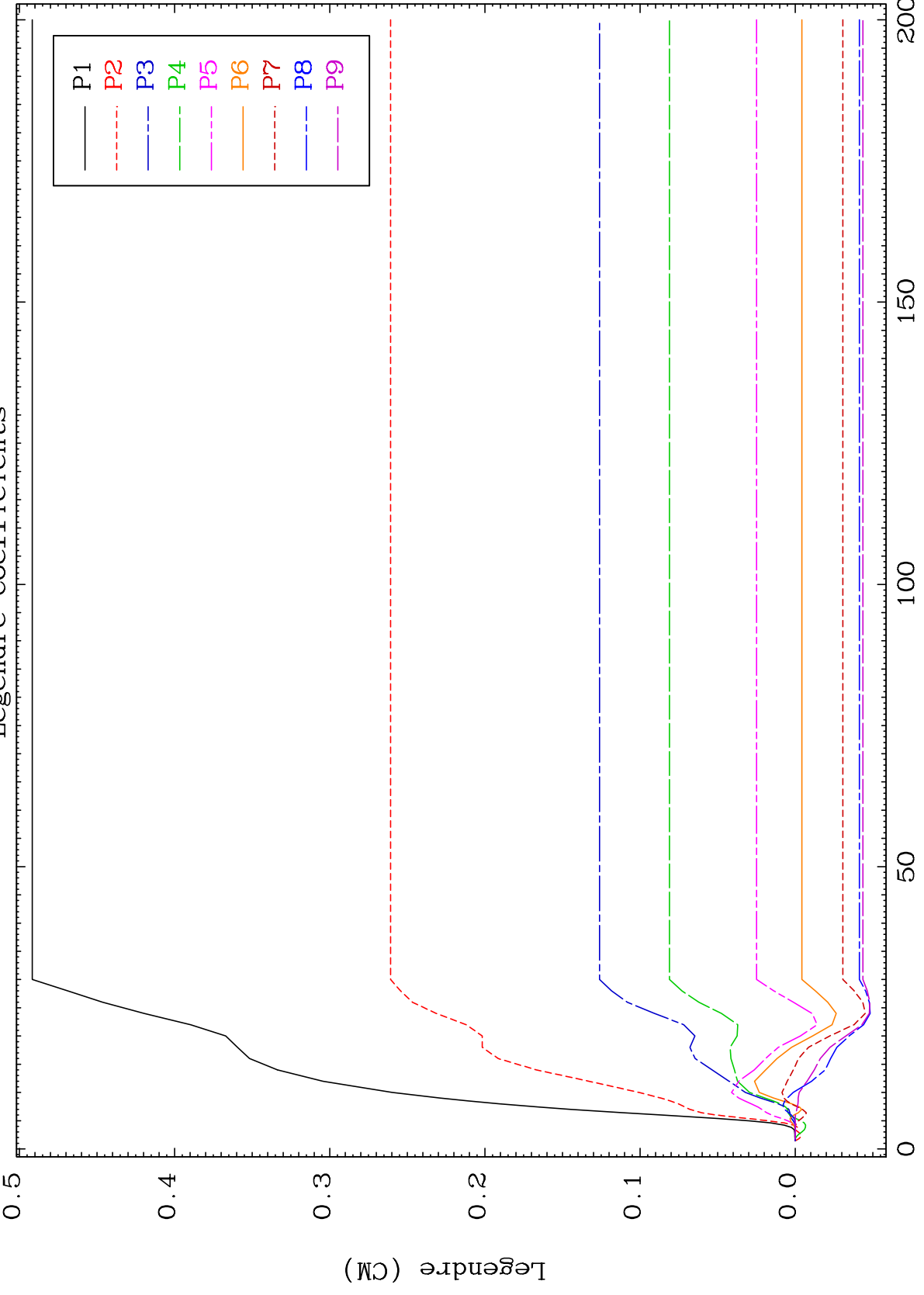
26 40-Zr-97

MAT 4046 MT= 52 (n,n') Level Legendre Coefficients 40-Zr-97



27 40-Zr-97

MAT 4046 MT= 53 (n,n') Level Legendre Coefficients 40-Zr-97

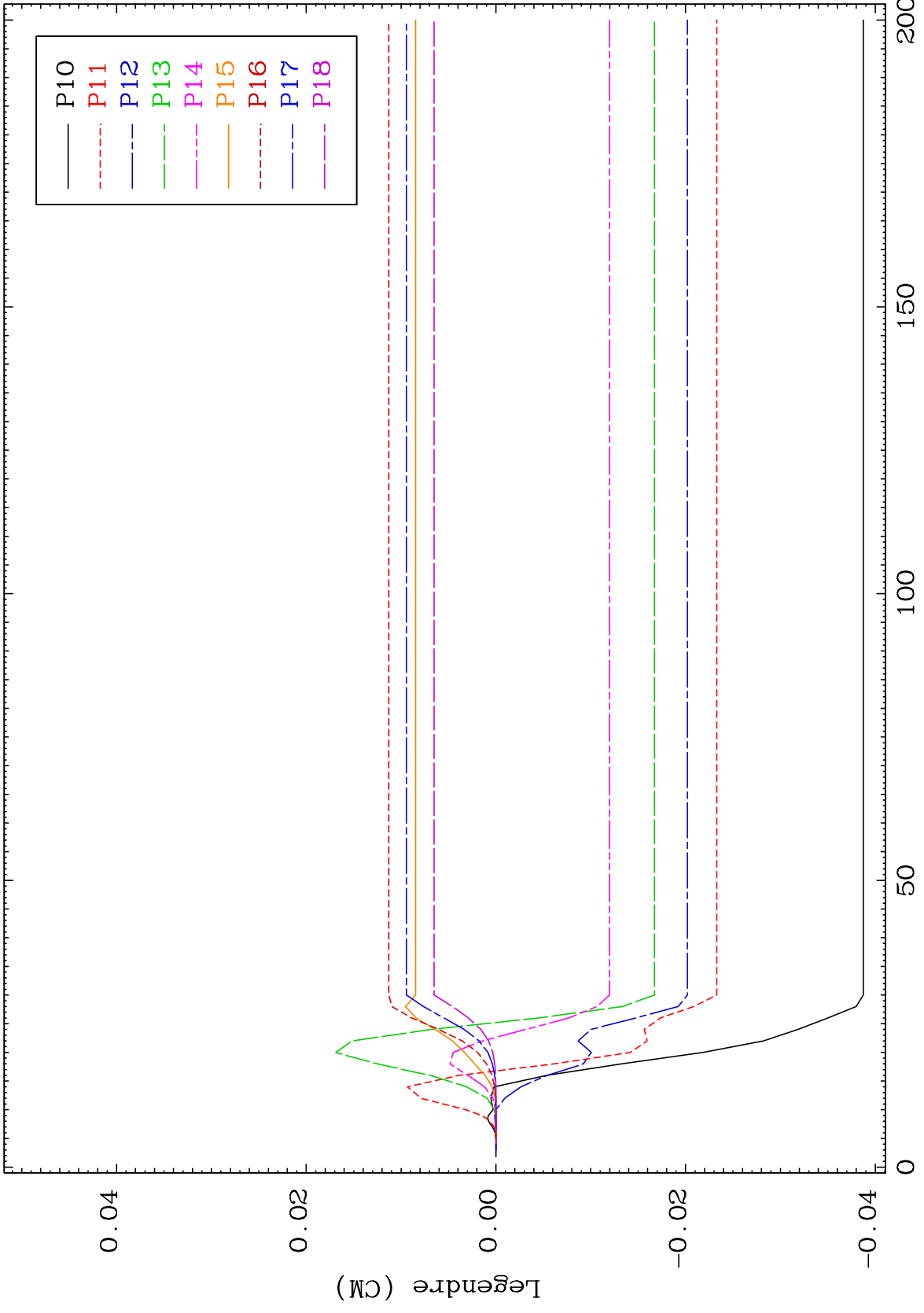


28 40-Zr-97

MAT 4046

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

40-Zr-97



29

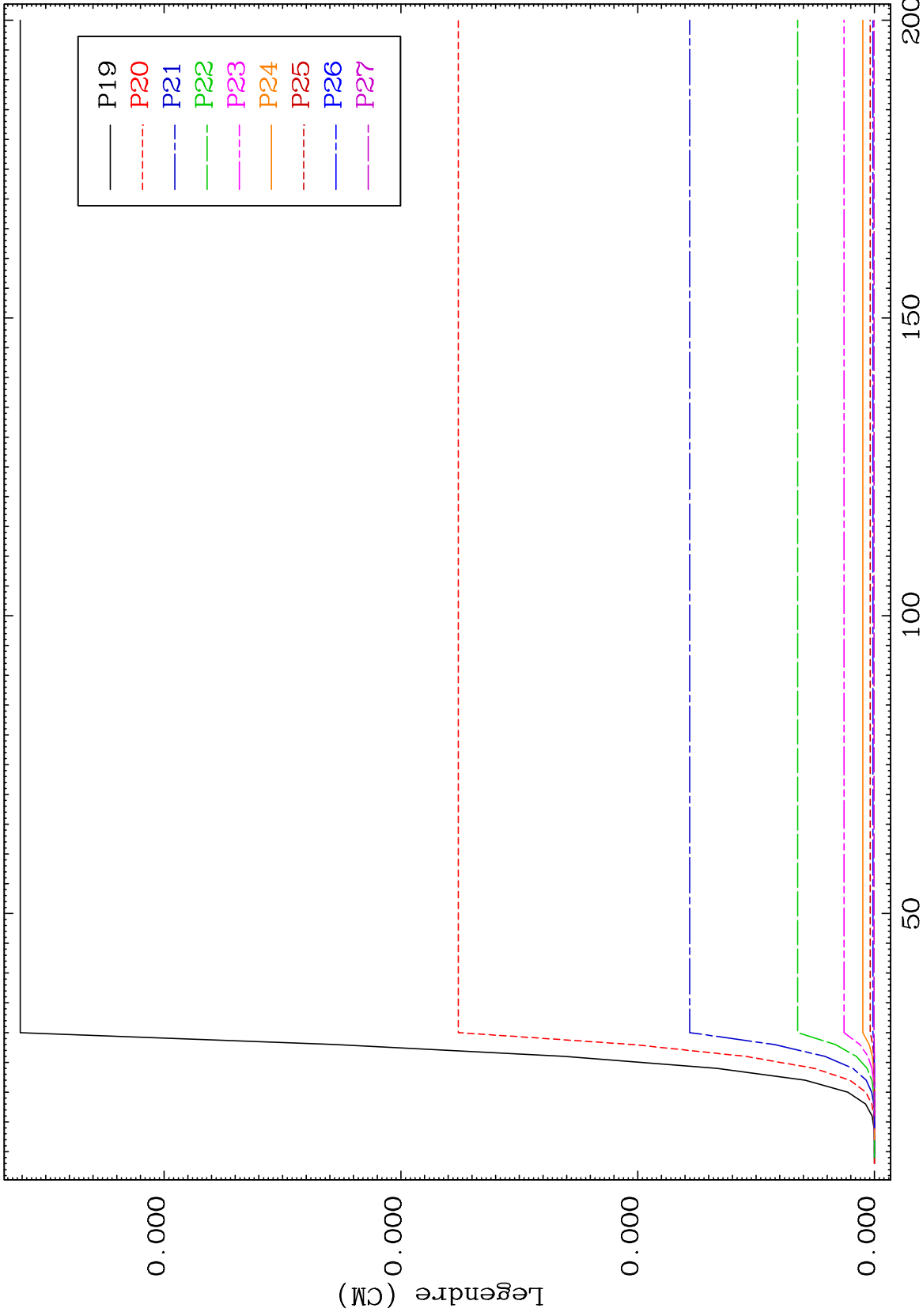
Incident Energy (MeV)

40-Zr-97

MAT 4046

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

40-Zr-97



30

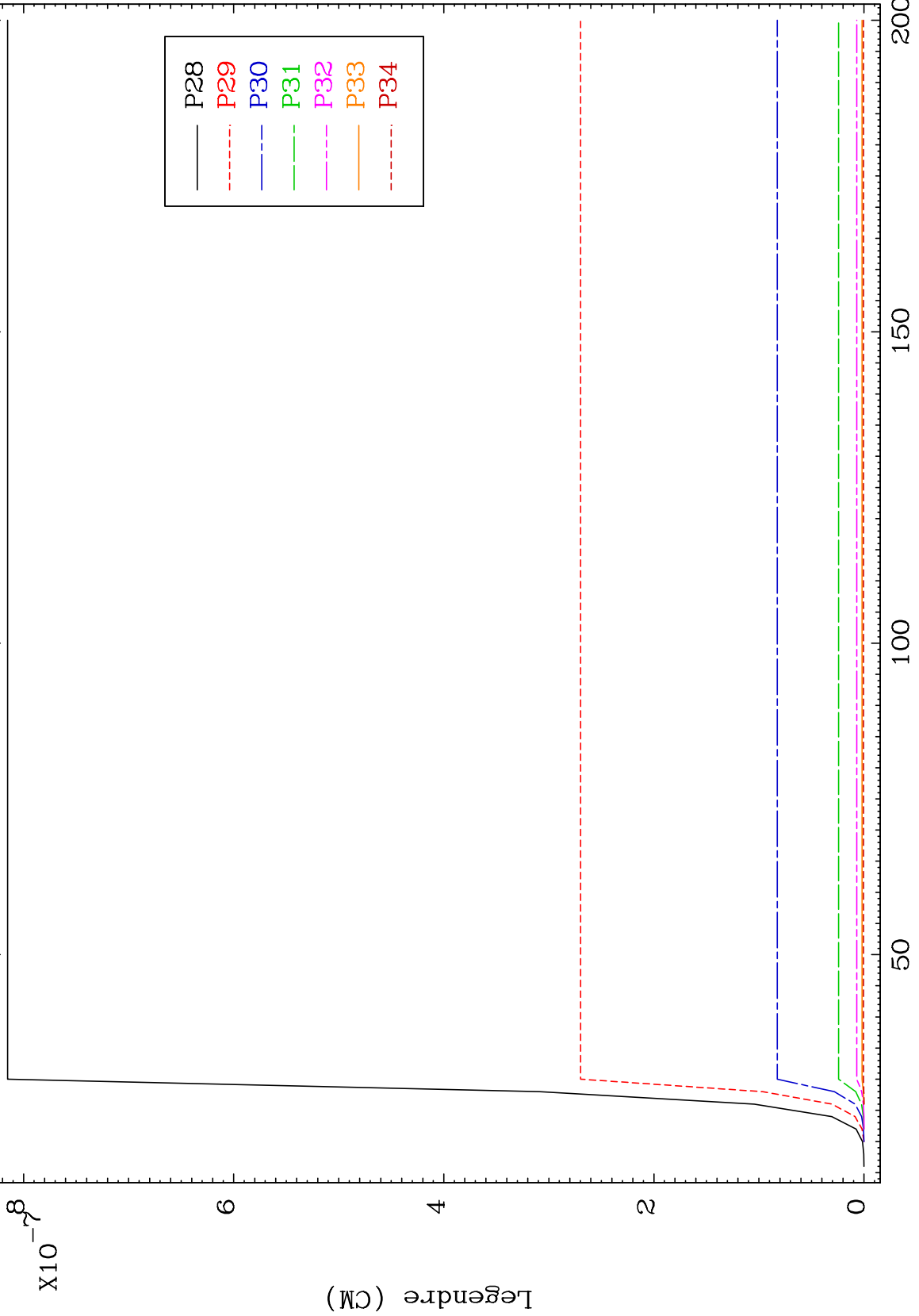
Incident Energy (MeV)

40-Zr-97

MAT 4046

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

40-Zr-97

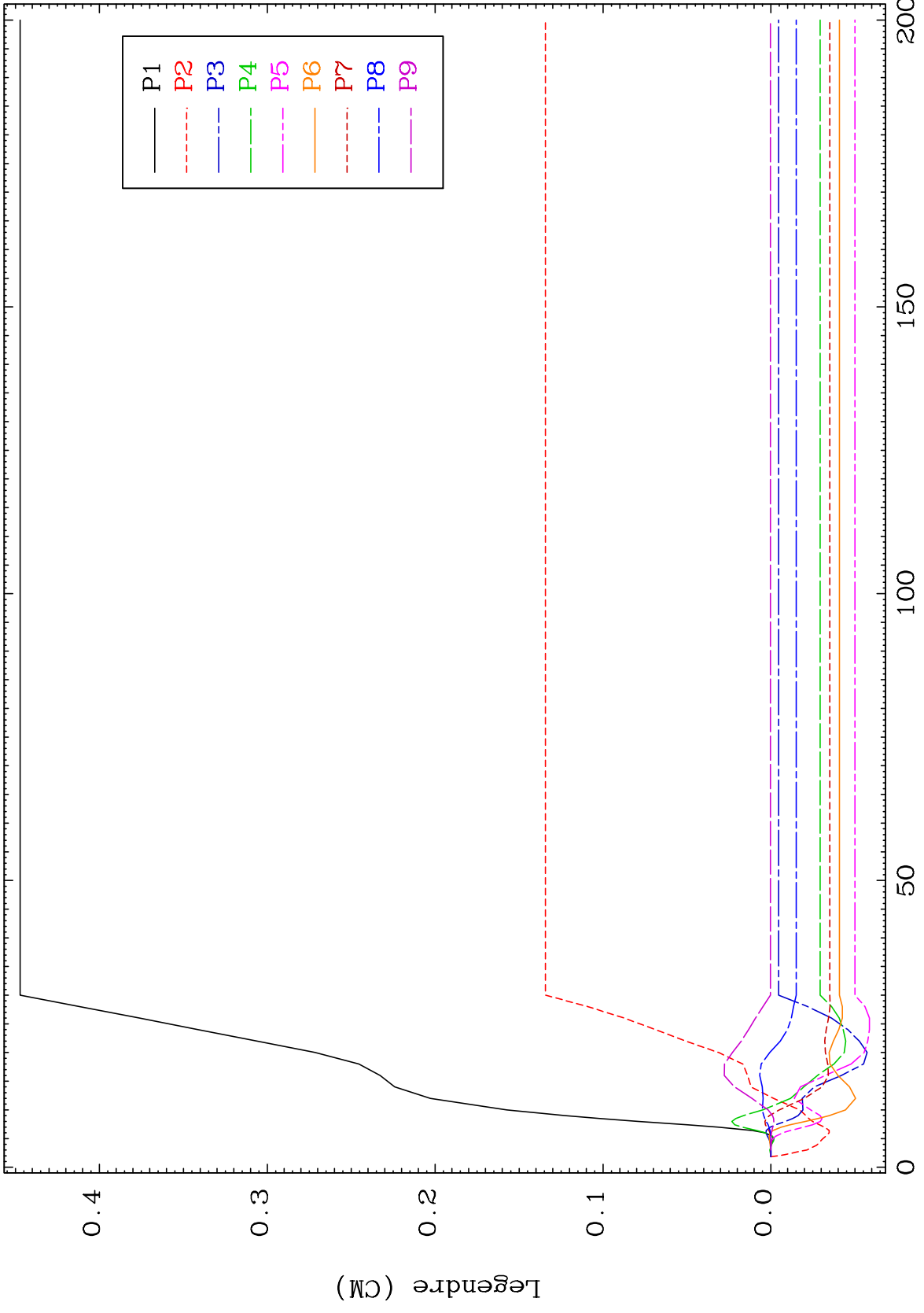


31

Incident Energy (MeV)

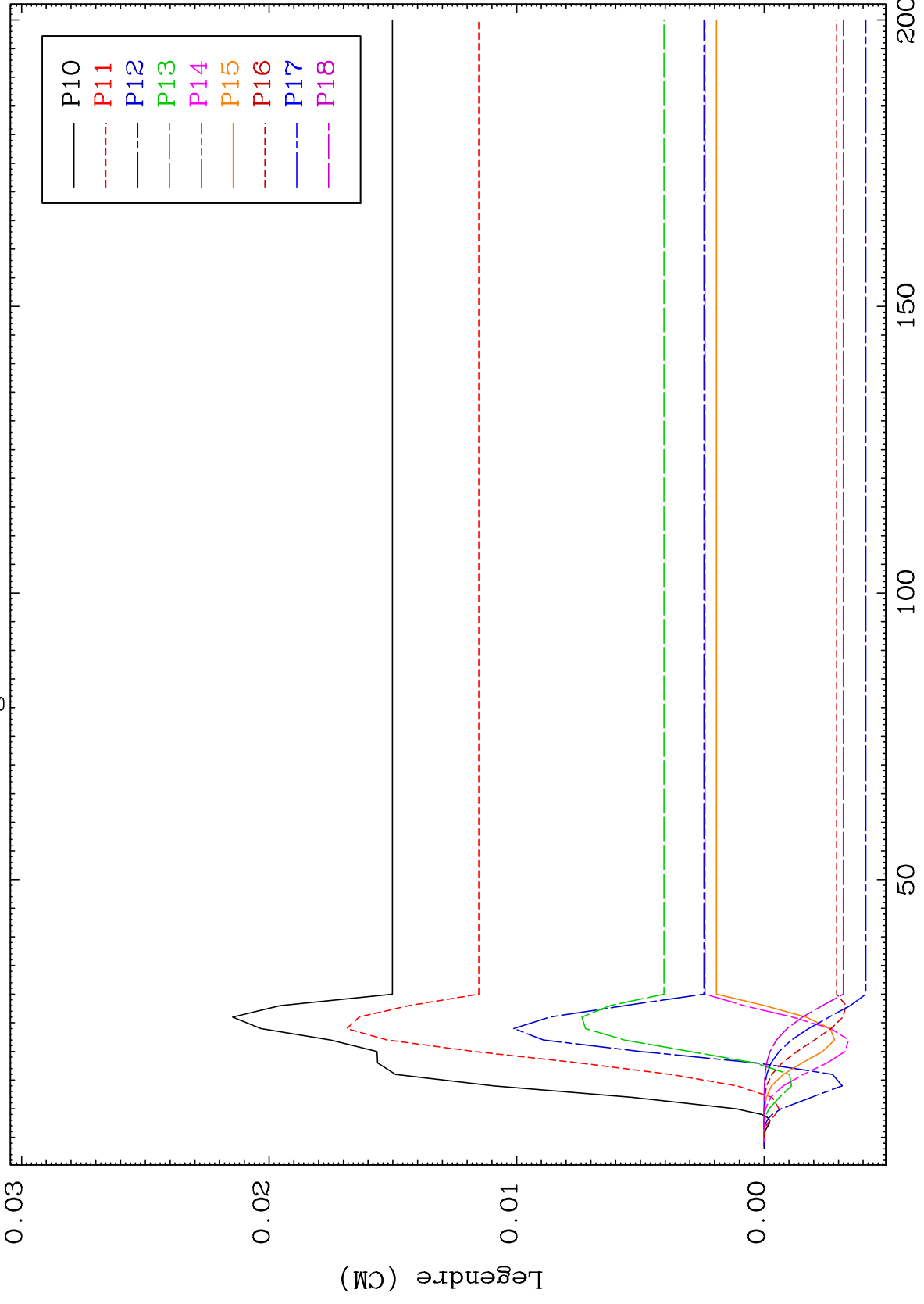
40-Zr-97

MAT 4046 MT= 54 (n,n') Level Legendre Coefficients 40-Zr-97



32 Incident Energy (MeV) 40-Zr-97

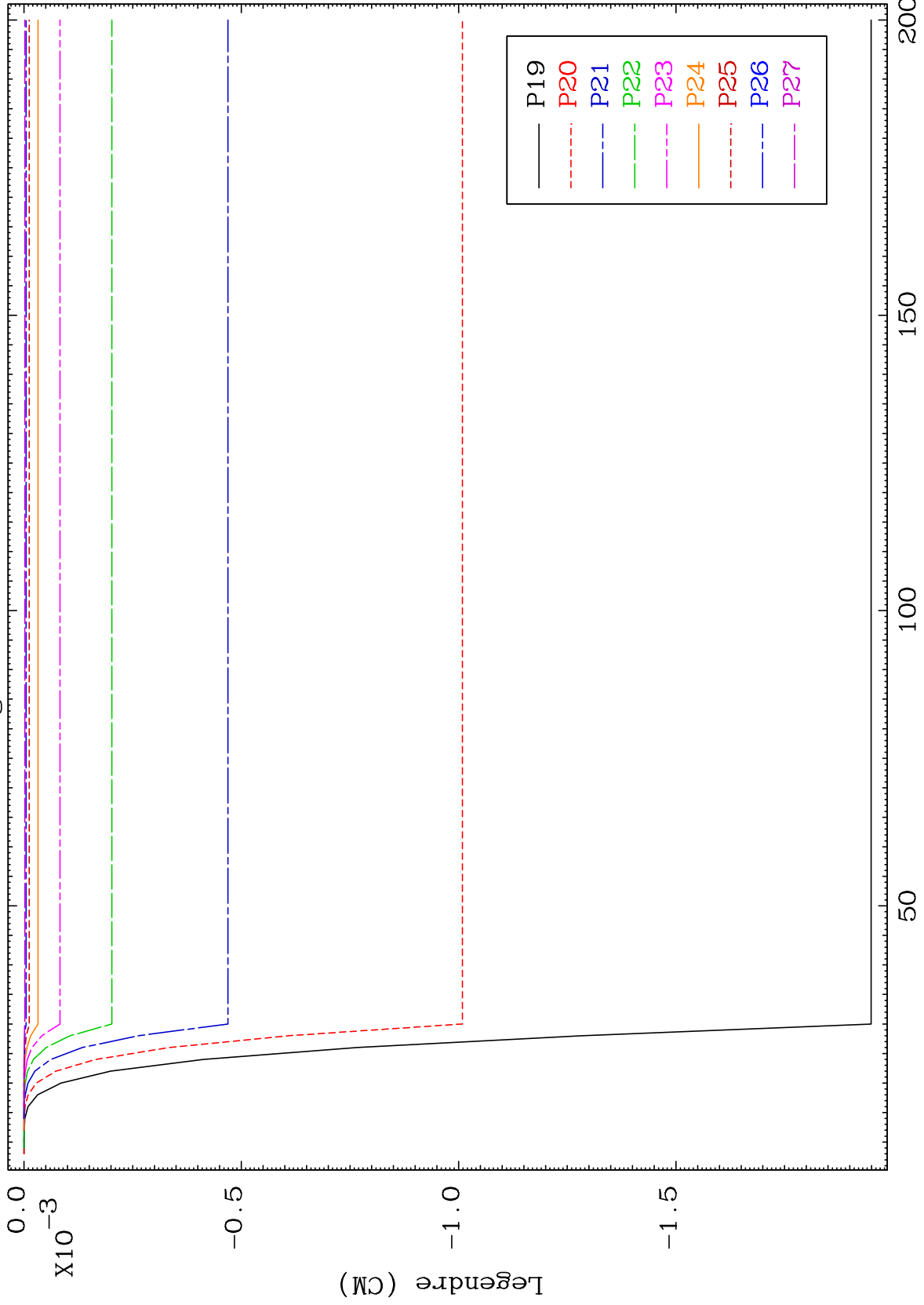
MAT 4046 MT= 54 (n,n') Level Legendre Coefficients 40-Zr-97



MAT 4046

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

40-Zr-97

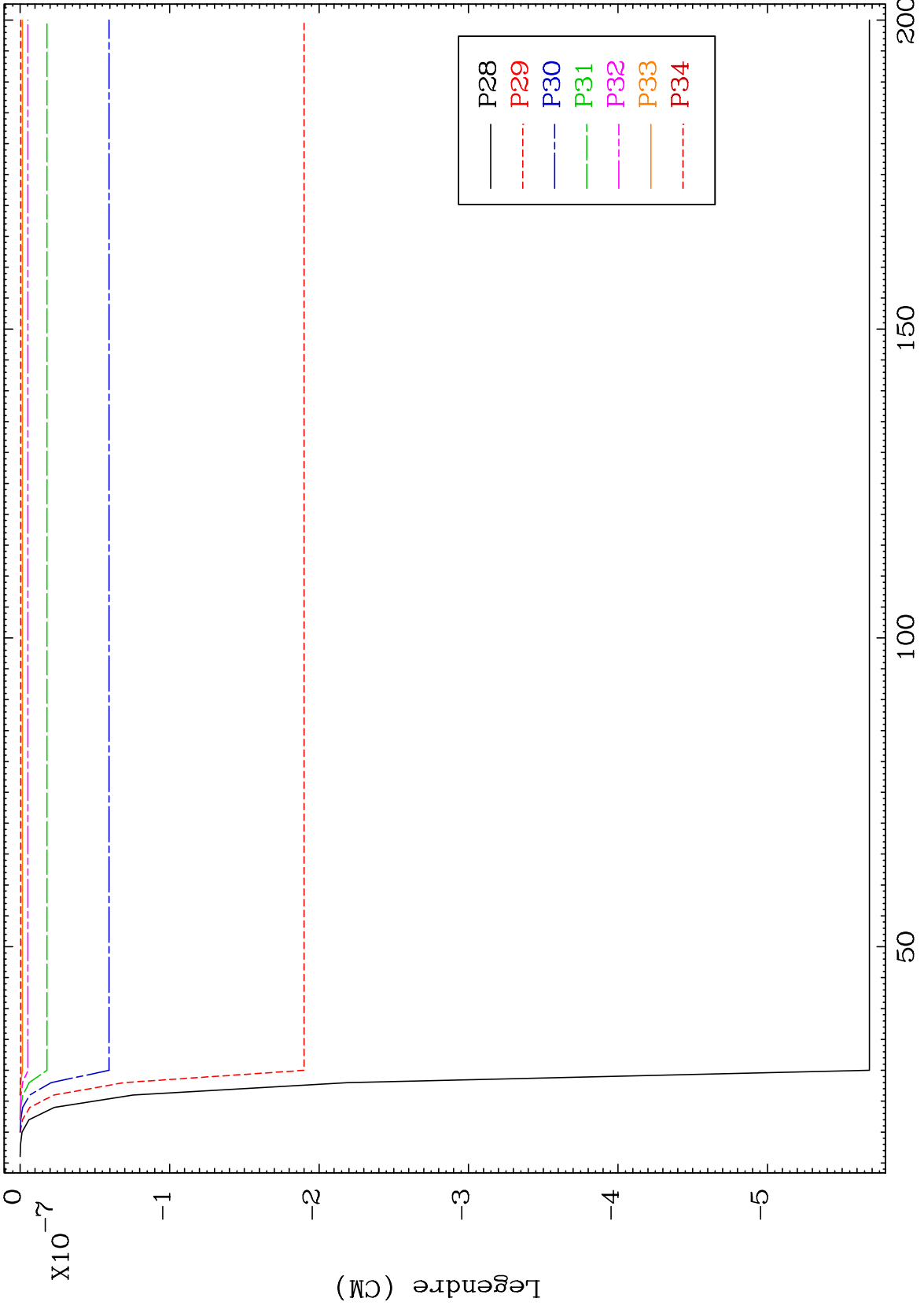


40-Zr-97

Incident Energy (MeV)

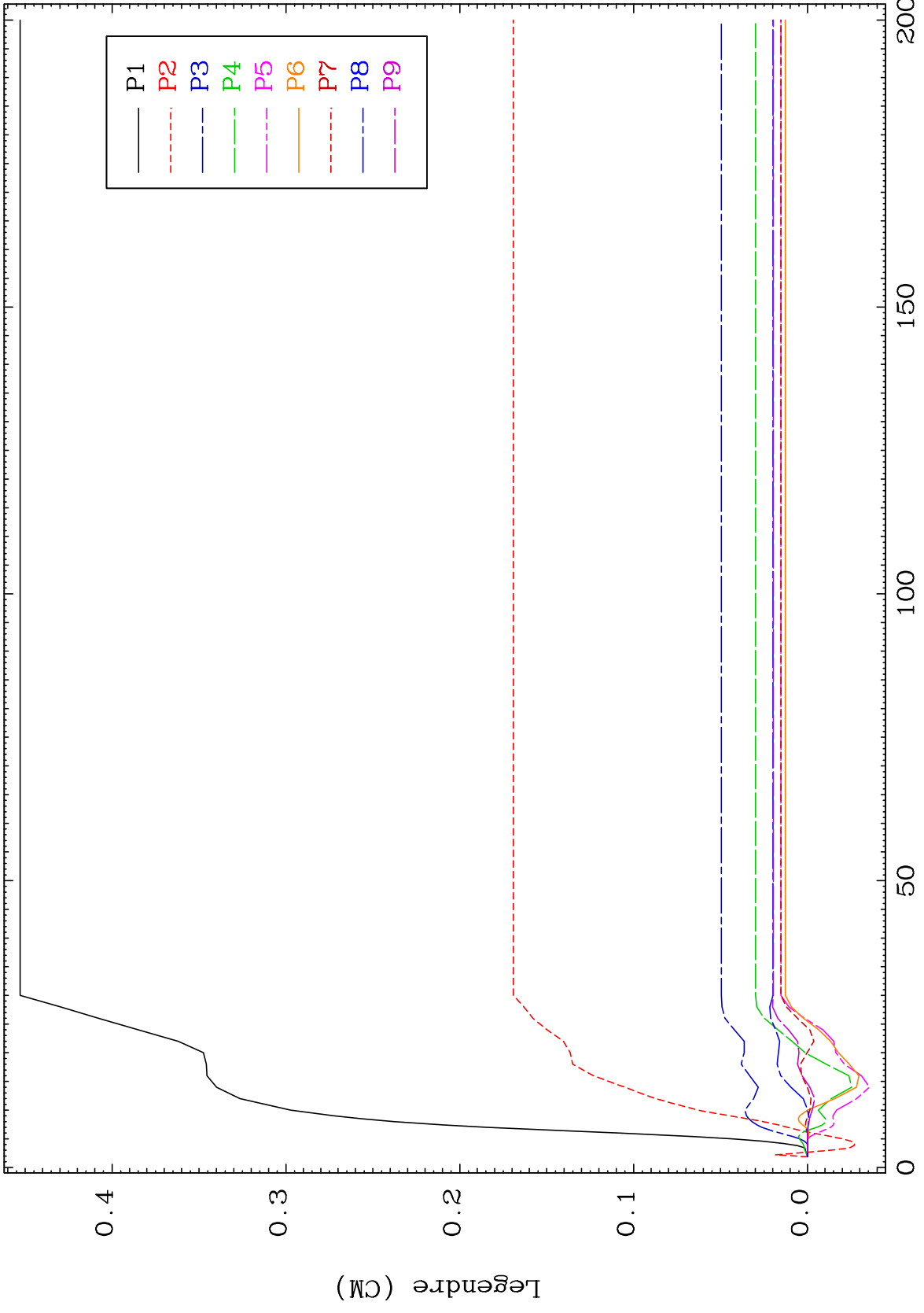
34

MAT 4046 MT= 54 (n,n') Level Legendre Coefficients 40-Zr-97



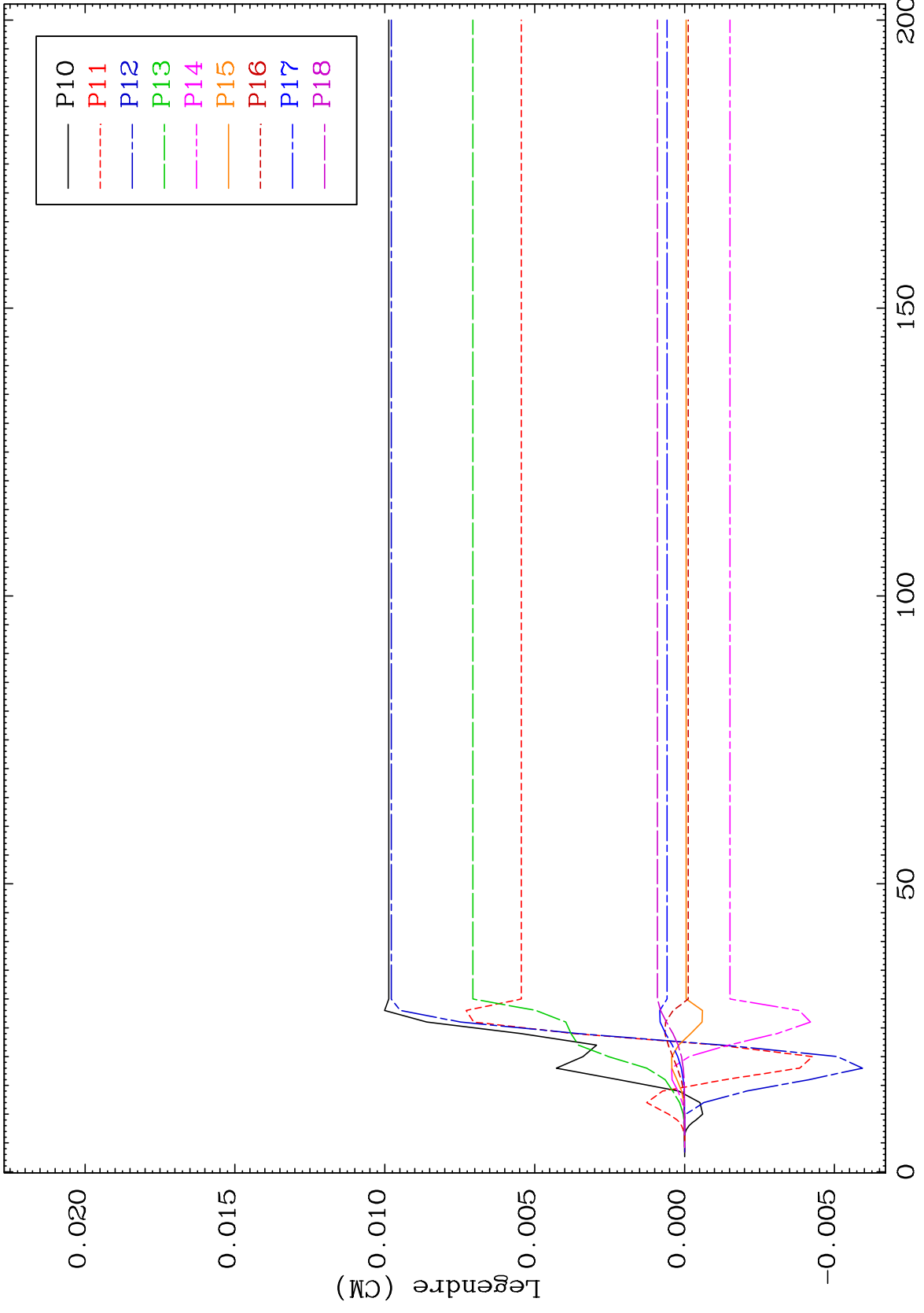
35 Incident Energy (MeV) 40-Zr-97

MAT 4046 MT= 55 (n,n') Level Legendre Coefficients 40-Zr-97



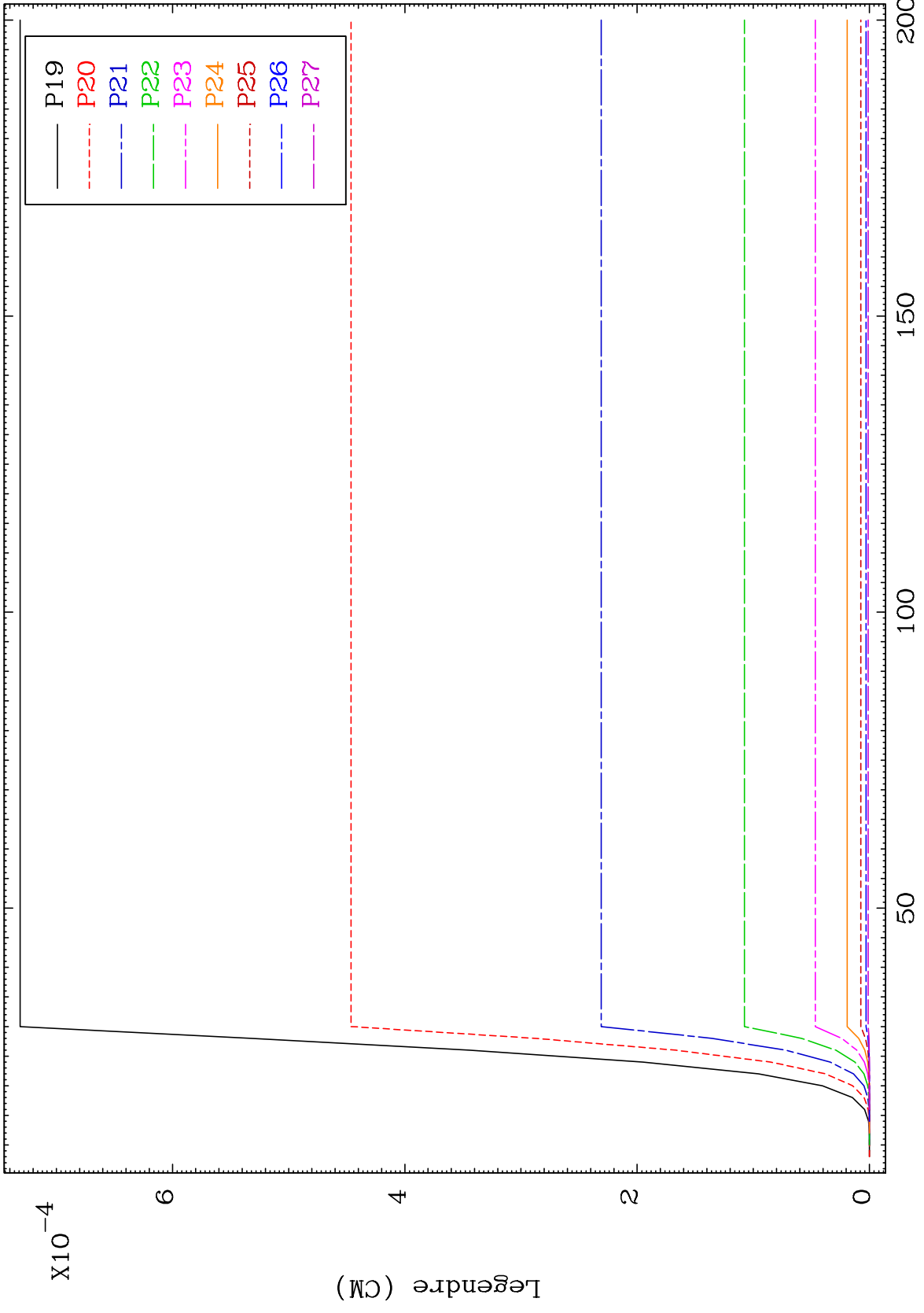
36 Incident Energy (MeV) 40-Zr-97

MAT 4046 MT= 55 (n,n') Level Legendre Coefficients 40-Zr-97



37 40-Zr-97

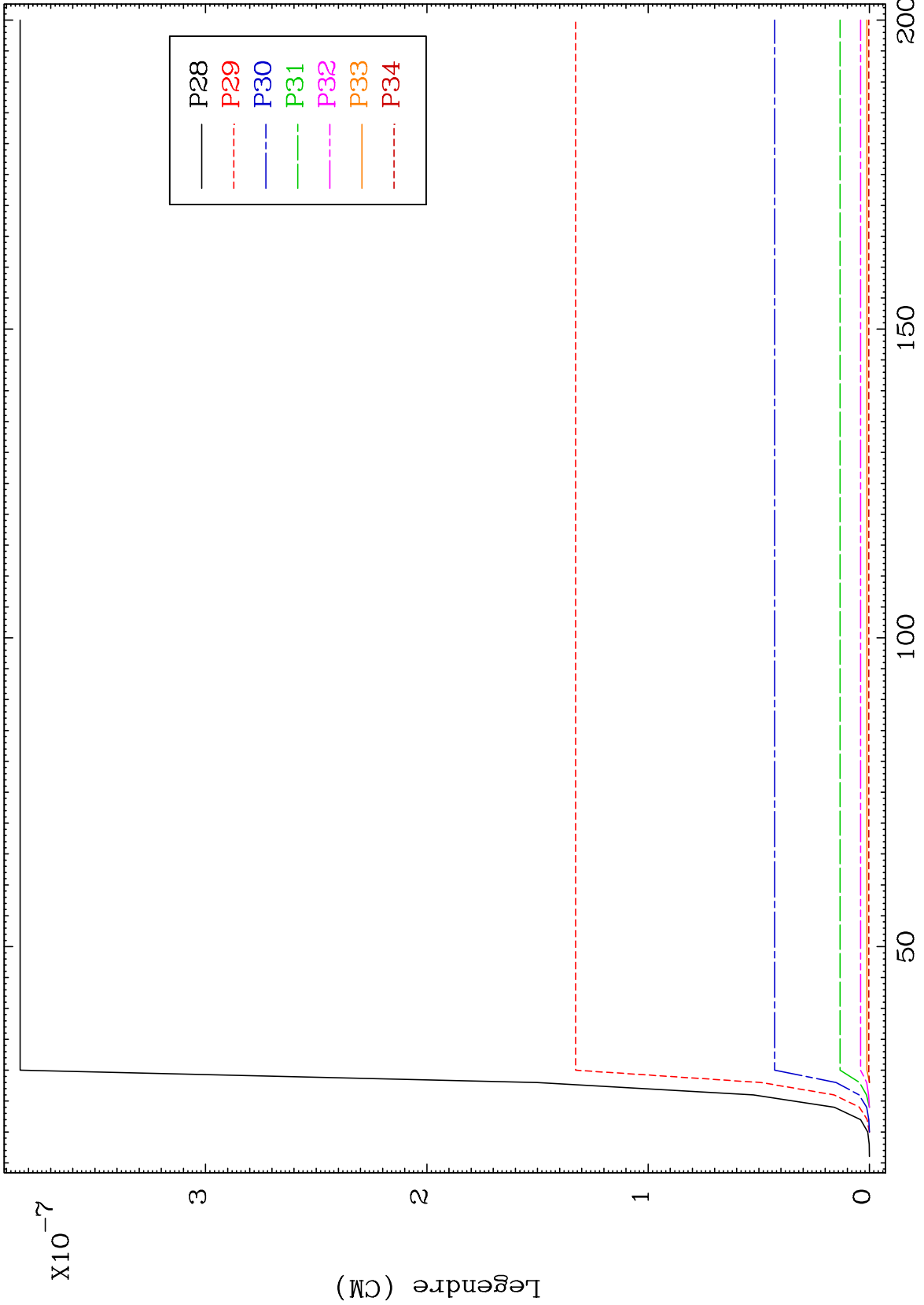
MAT 4046 MT= 55 (n,n') Level Legendre Coefficients 40-Zr-97



MAT 4046

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

40-Zr-97

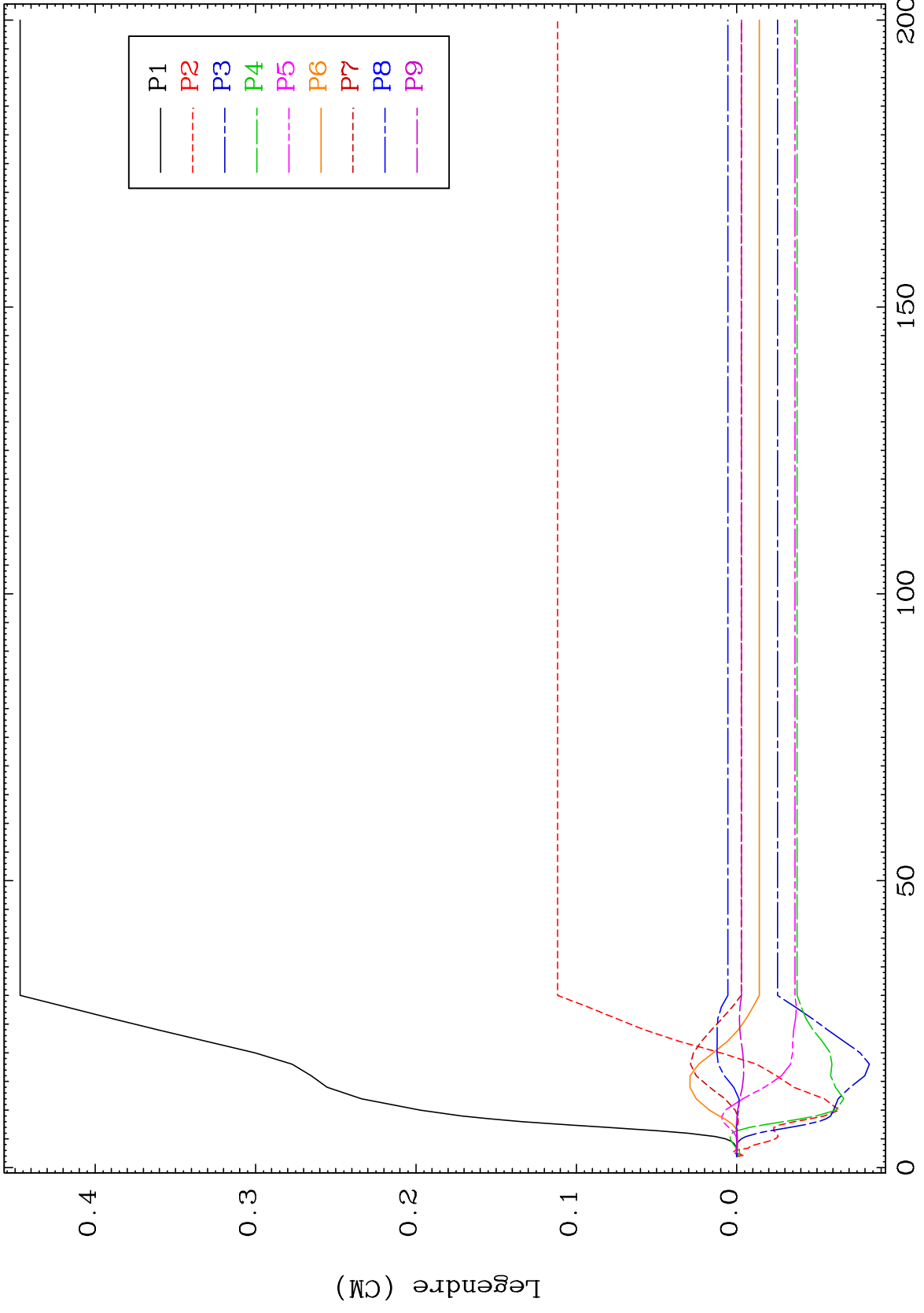


39

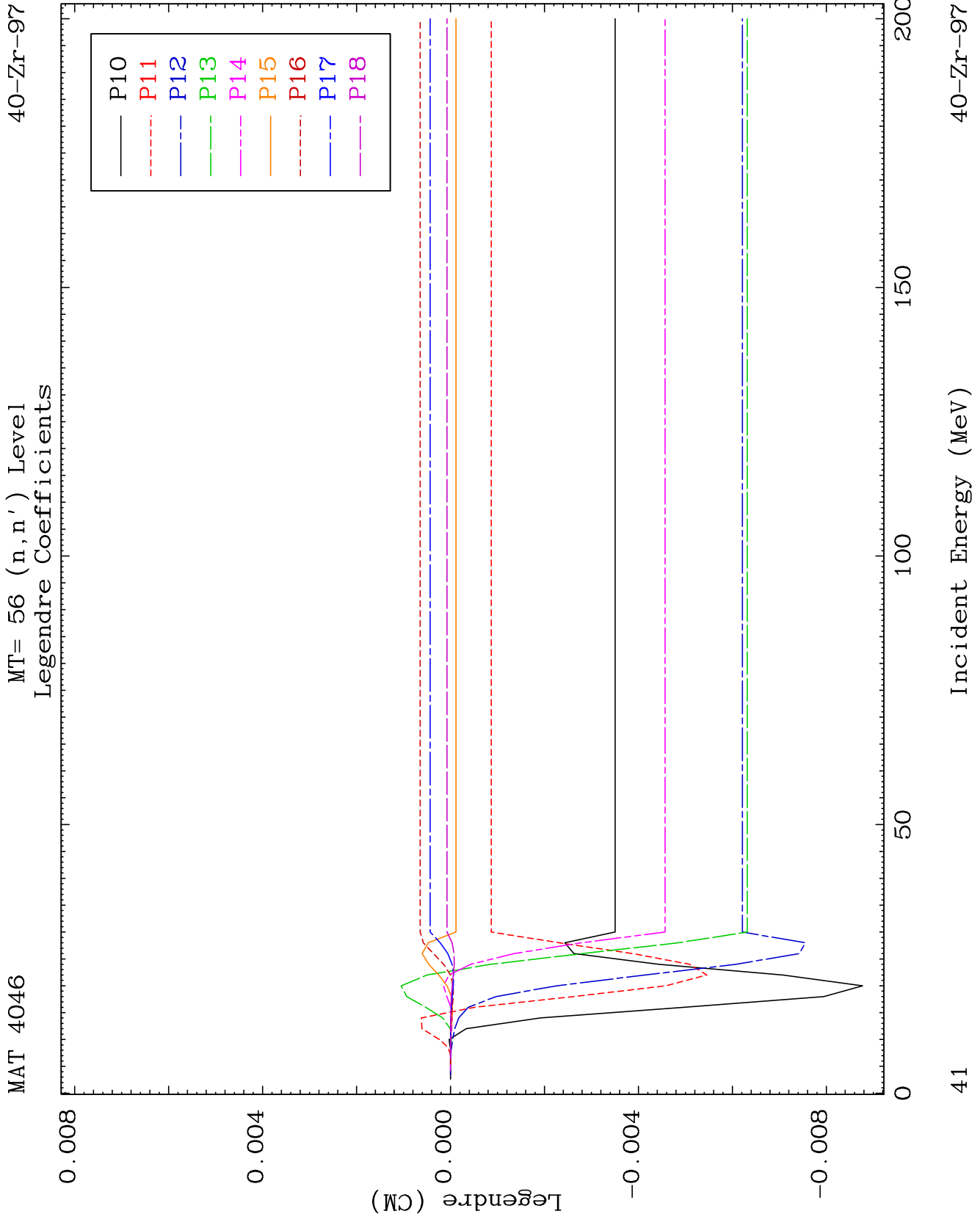
Incident Energy (MeV)

40-Zr-97

MAT 4046 MT= 56 (n,n') Level Legendre Coefficients 40-Zr-97



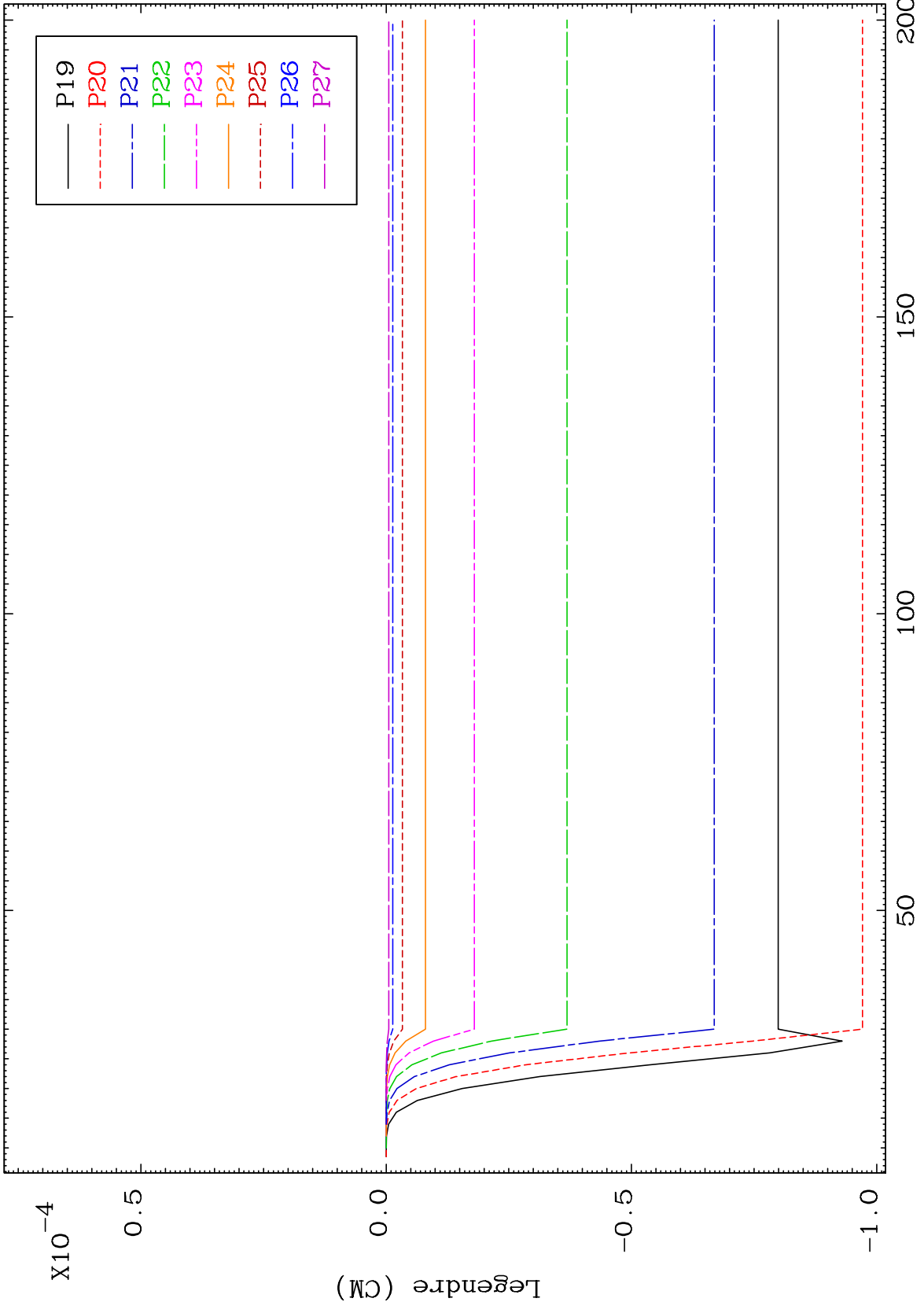
40-Zr-97



MAT 4046

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

40-Zr-97

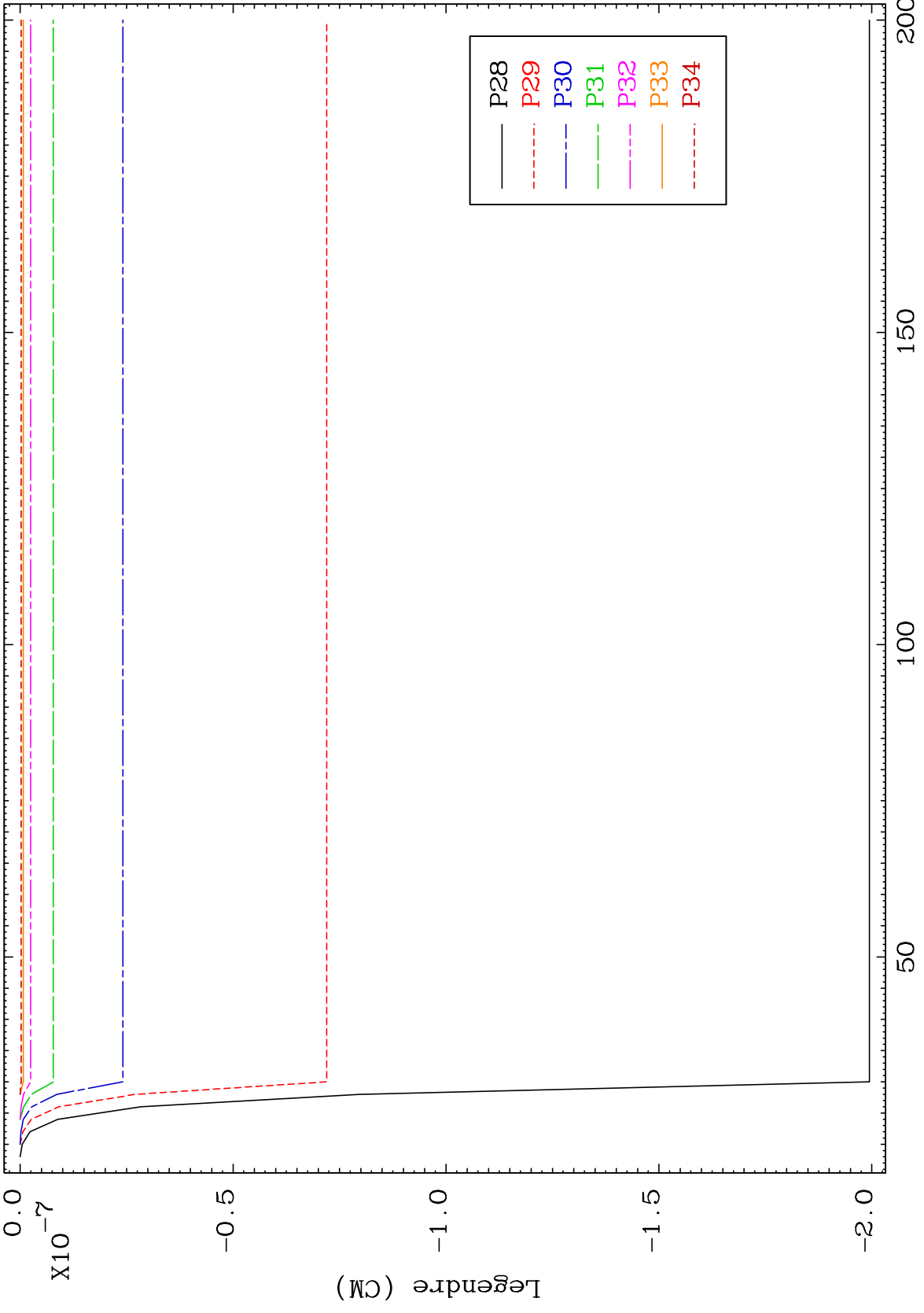


42

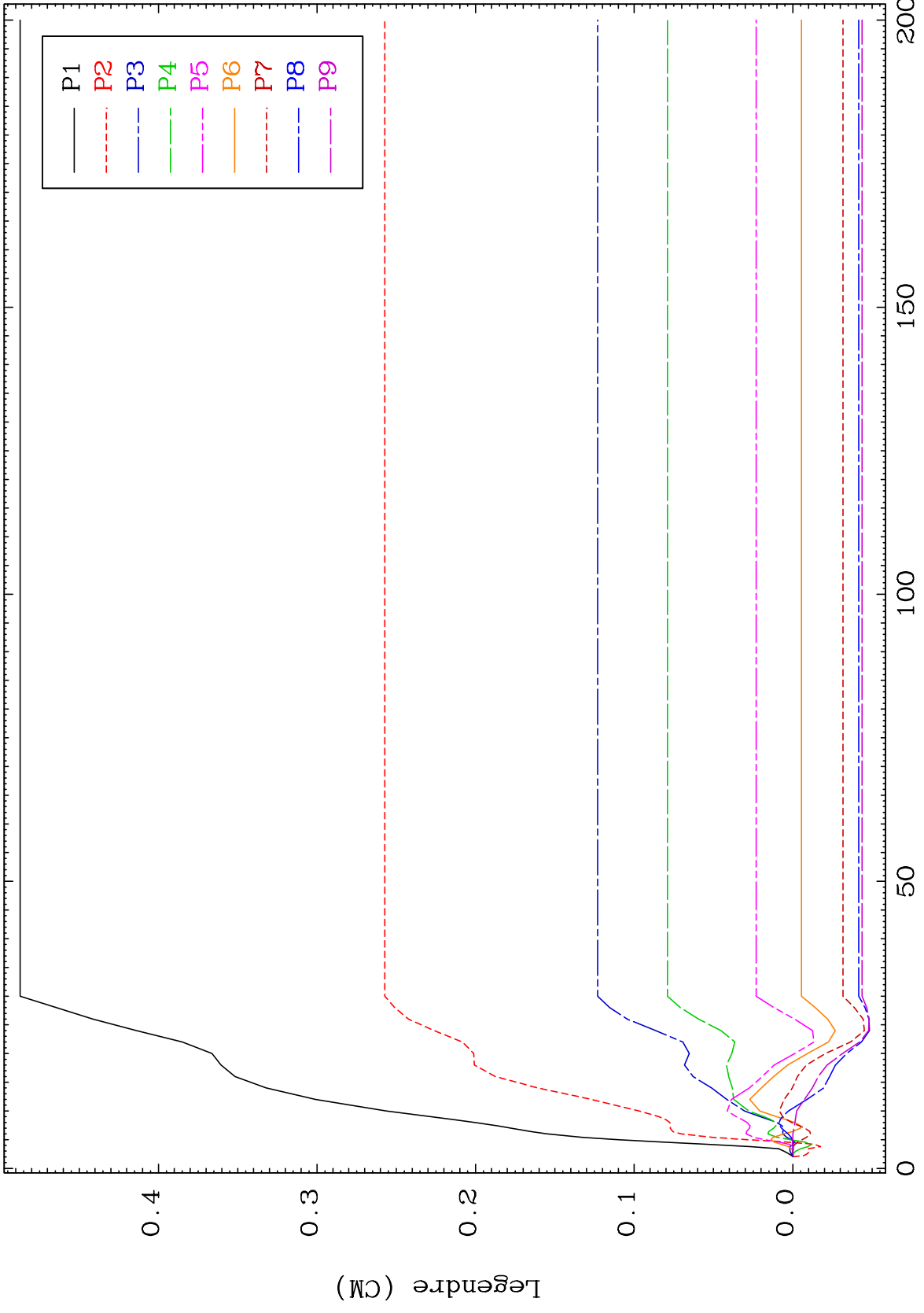
Incident Energy (MeV)

40-Zr-97

MAT 4046 MT= 56 (n,n') Level Legendre Coefficients 40-Zr-97



MAT 4046 MT= 57 (n,n') Level Legendre Coefficients 40-Zr-97

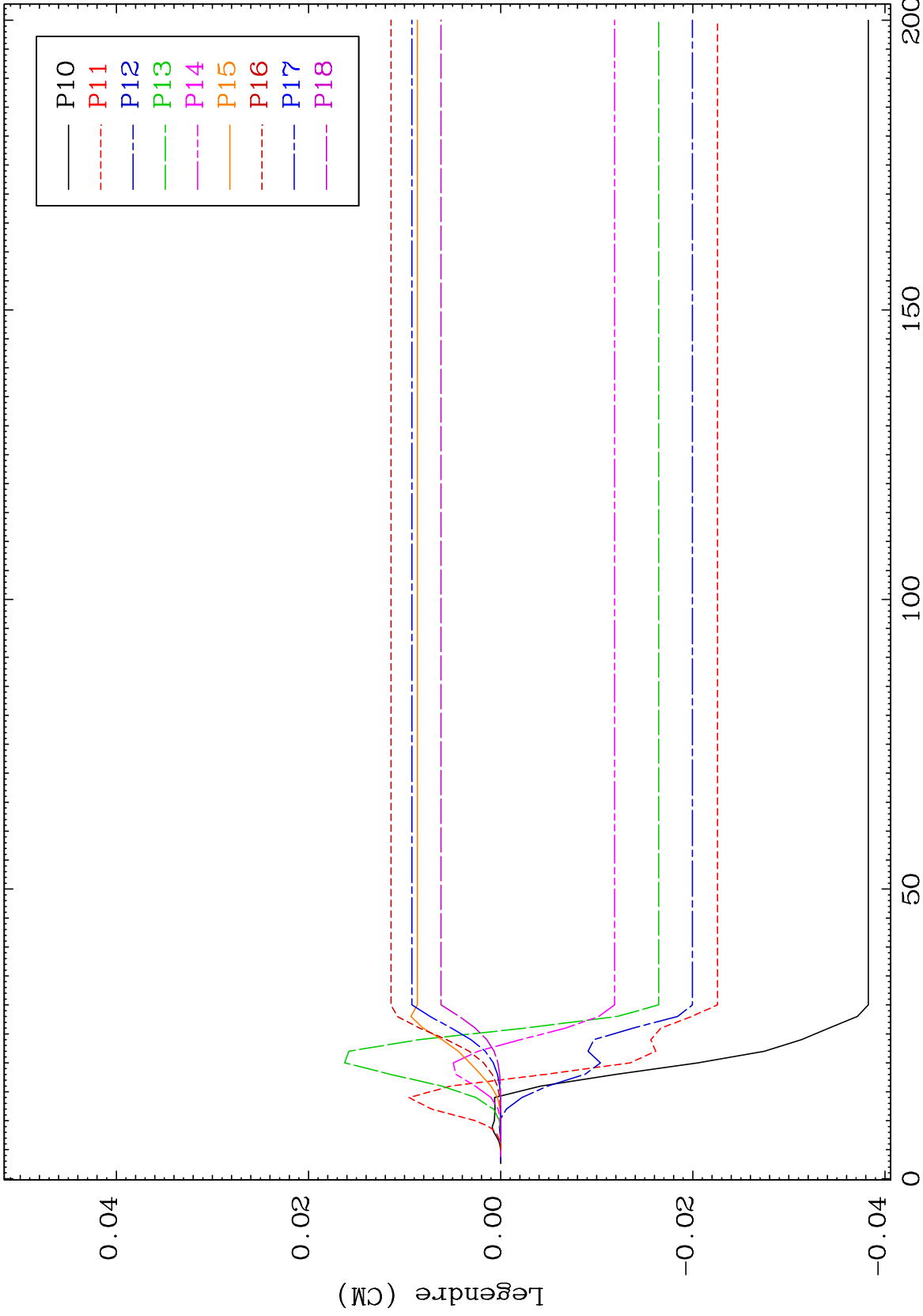


44 40-Zr-97

MAT 4046

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

40-Zr-97

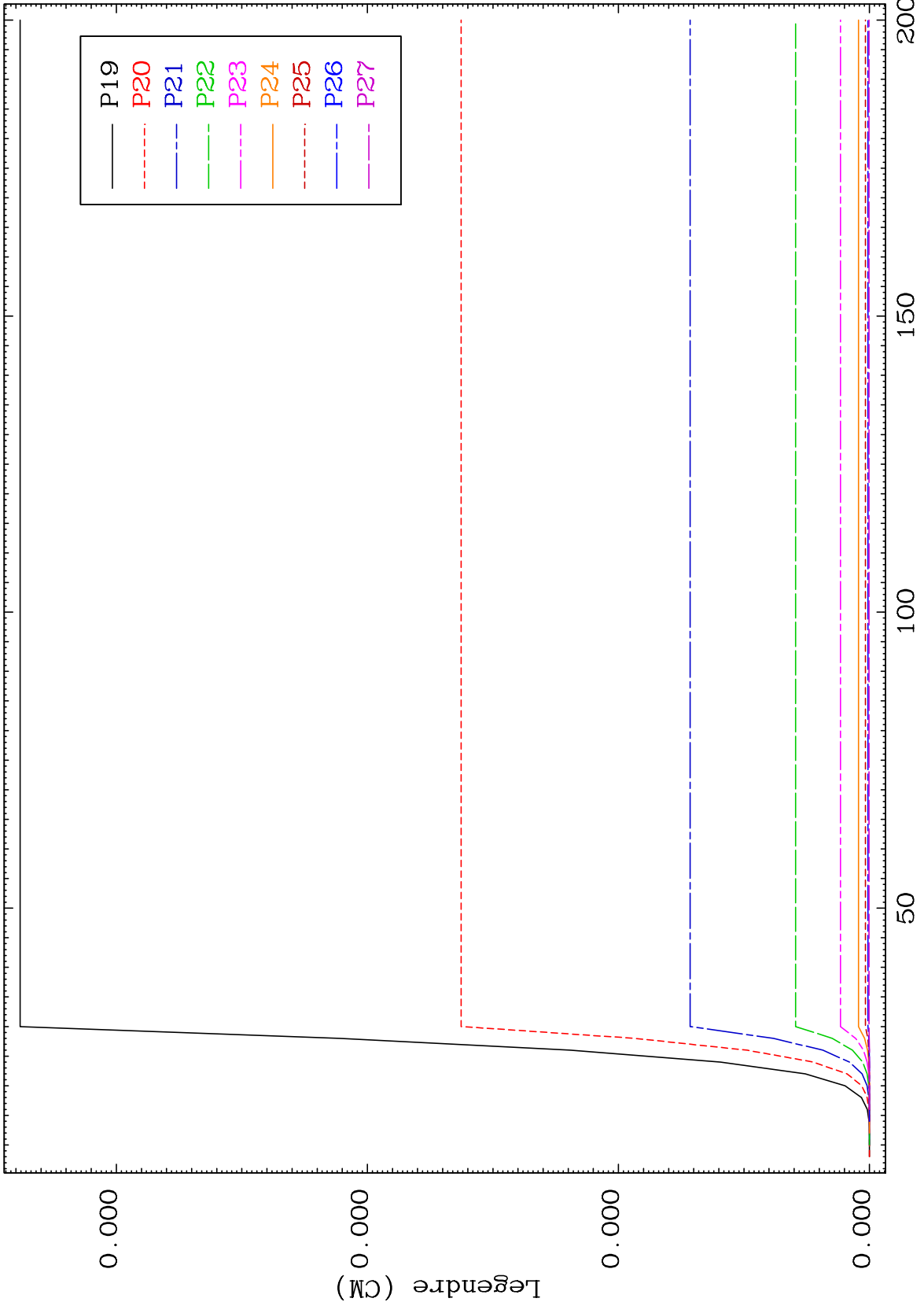


45

Incident Energy (MeV)

40-Zr-97

MAT 4046 MT= 57 (n,n') Level Legendre Coefficients 40-Zr-97

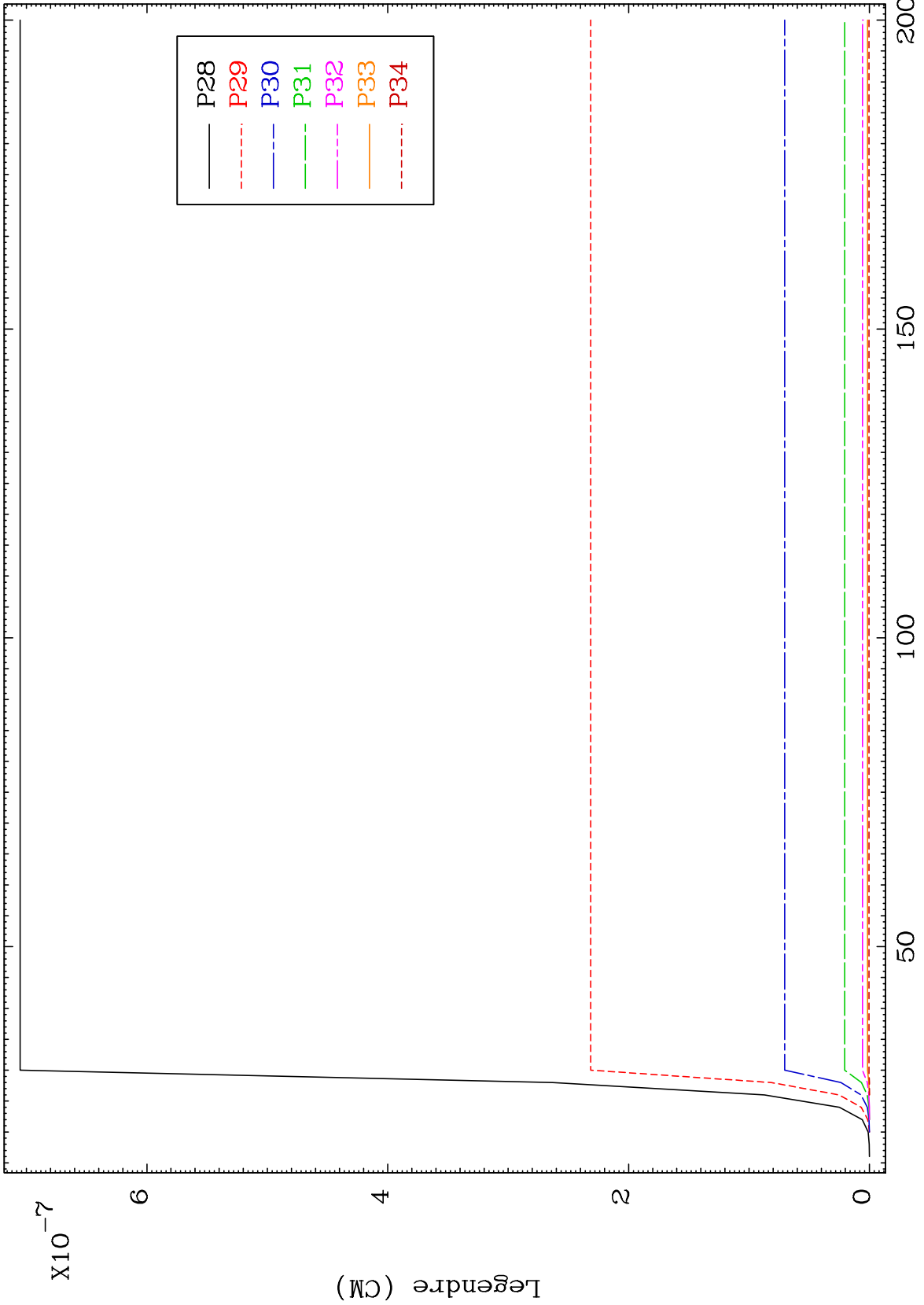


46 Incident Energy (MeV) 40-Zr-97

MAT 4046

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

40-Zr-97

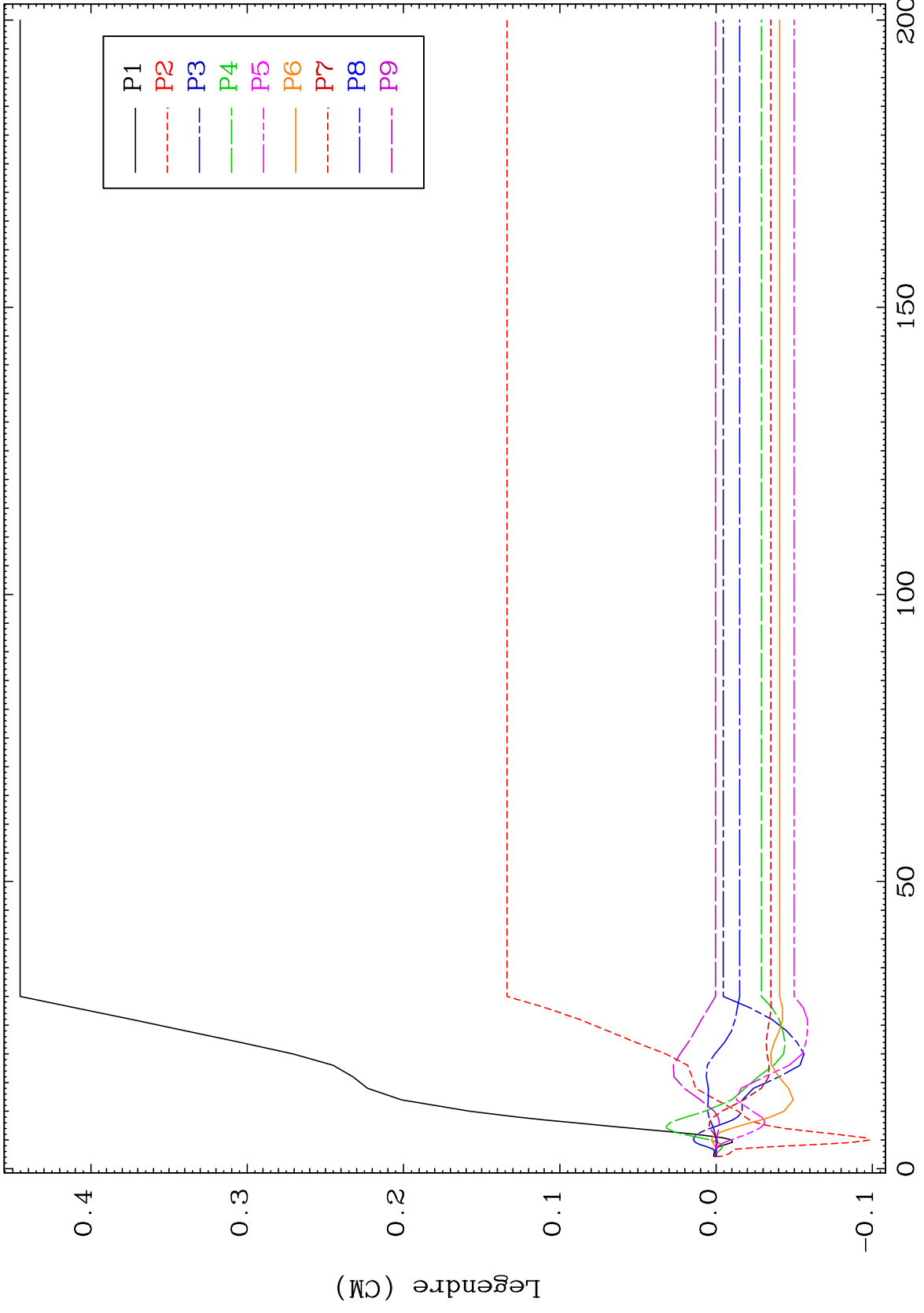


47

Incident Energy (MeV)

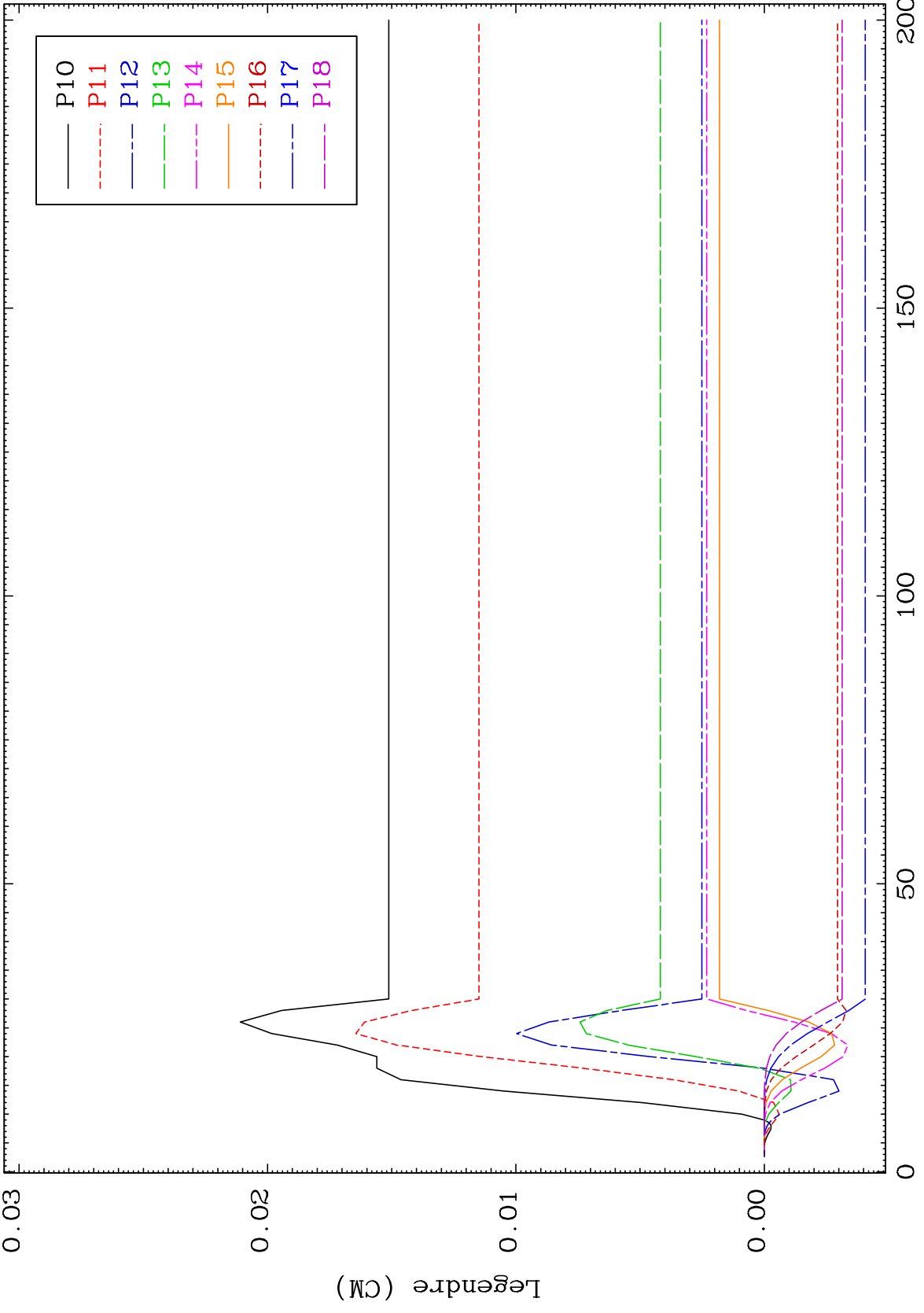
40-Zr-97

MAT 4046 MT= 58 (n,n') Level Legendre Coefficients 40-Zr-97



48 40-Zr-97

MAT 4046 MT= 58 (n,n') Level Legendre Coefficients 40-Zr-97

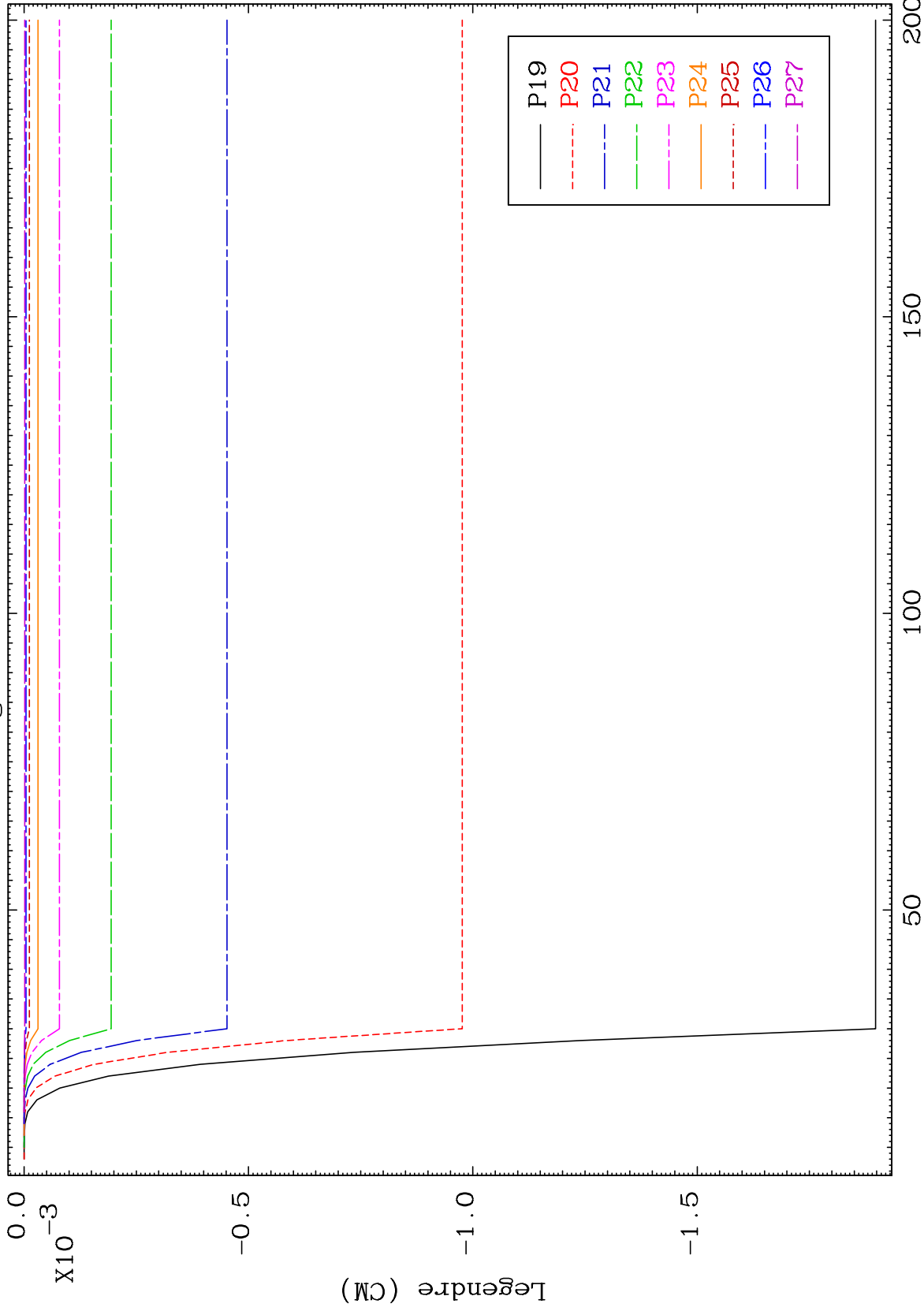


49 40-Zr-97

MAT 4046

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

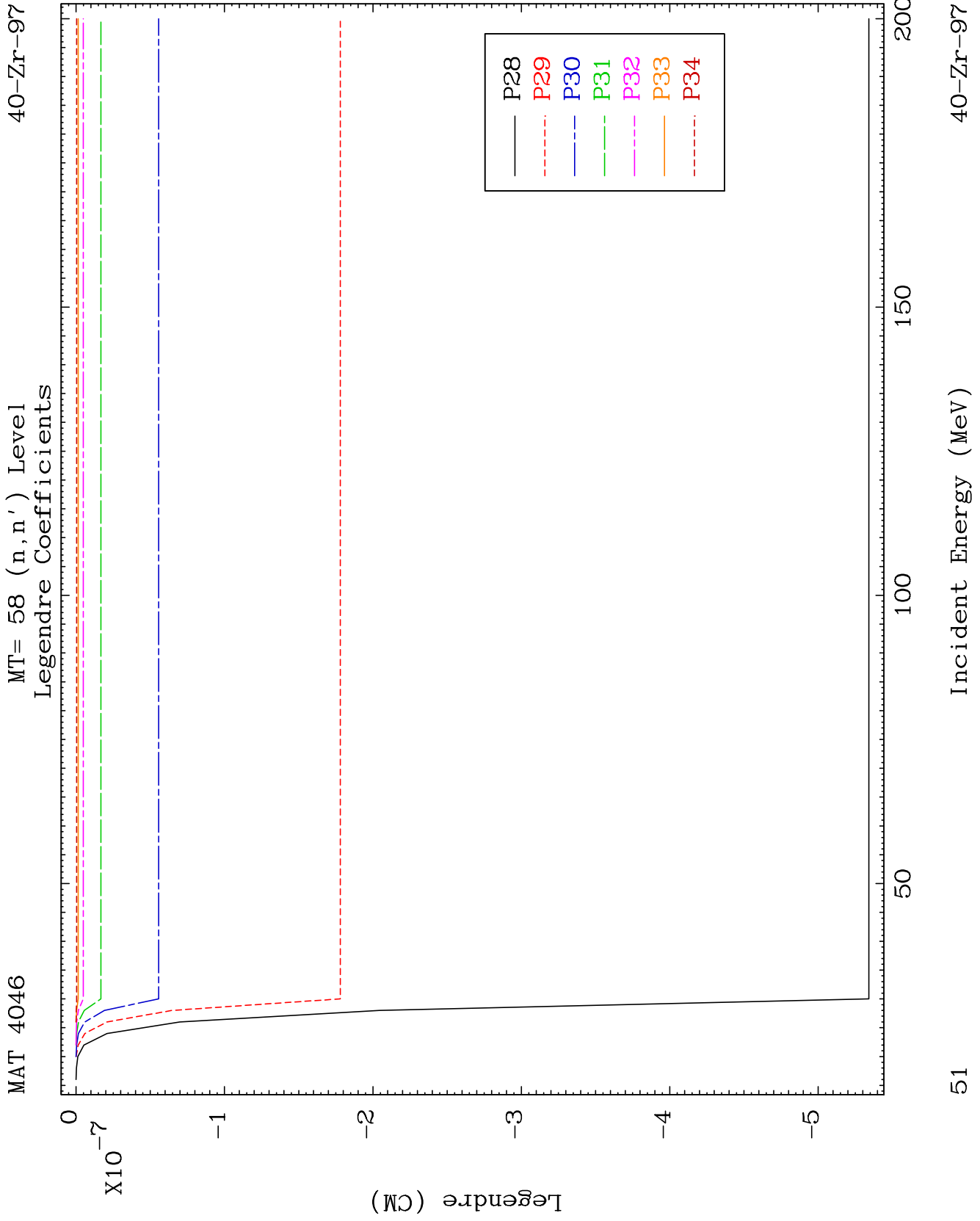
40-Zr-97



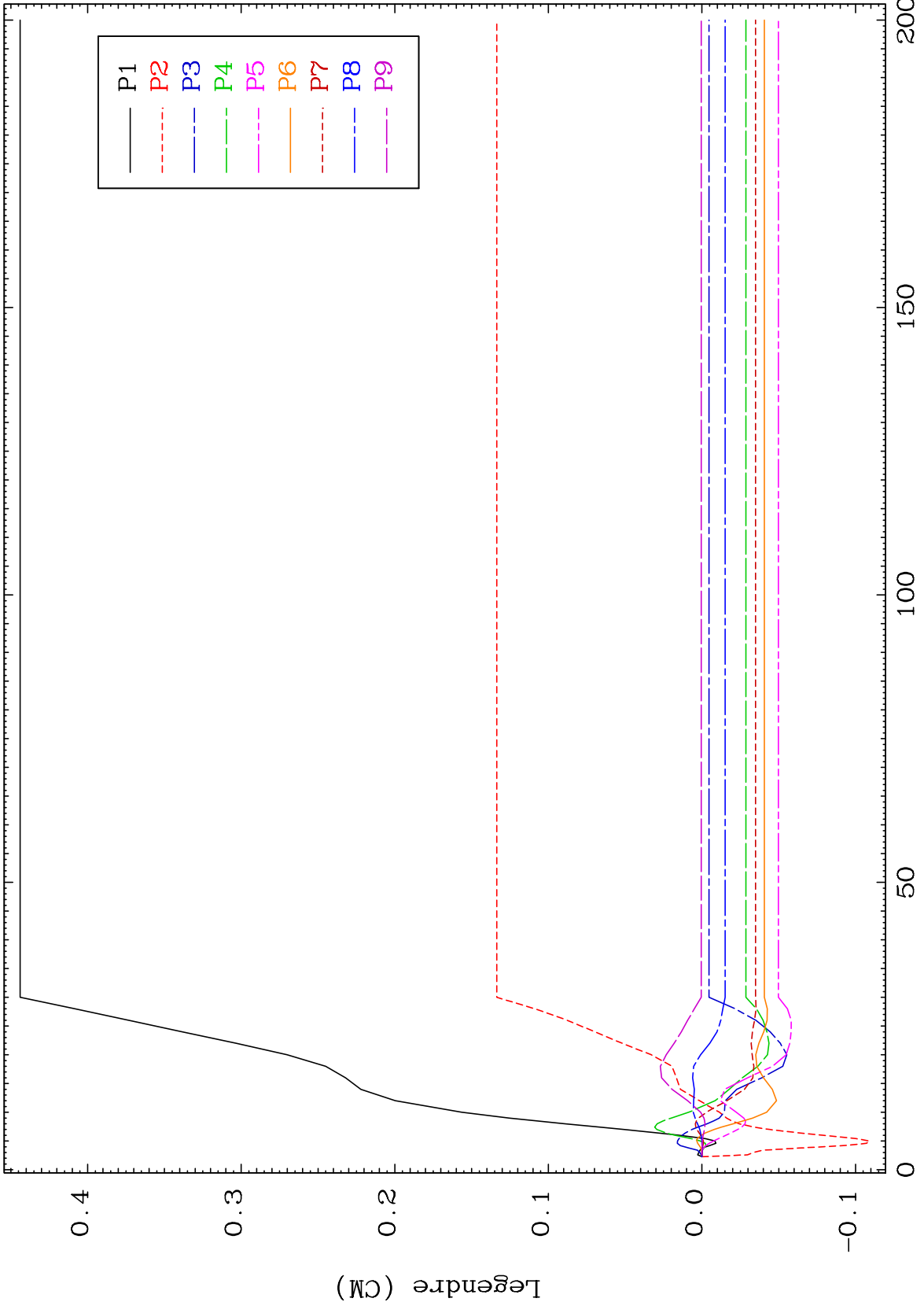
40-Zr-97

Incident Energy (MeV)

50

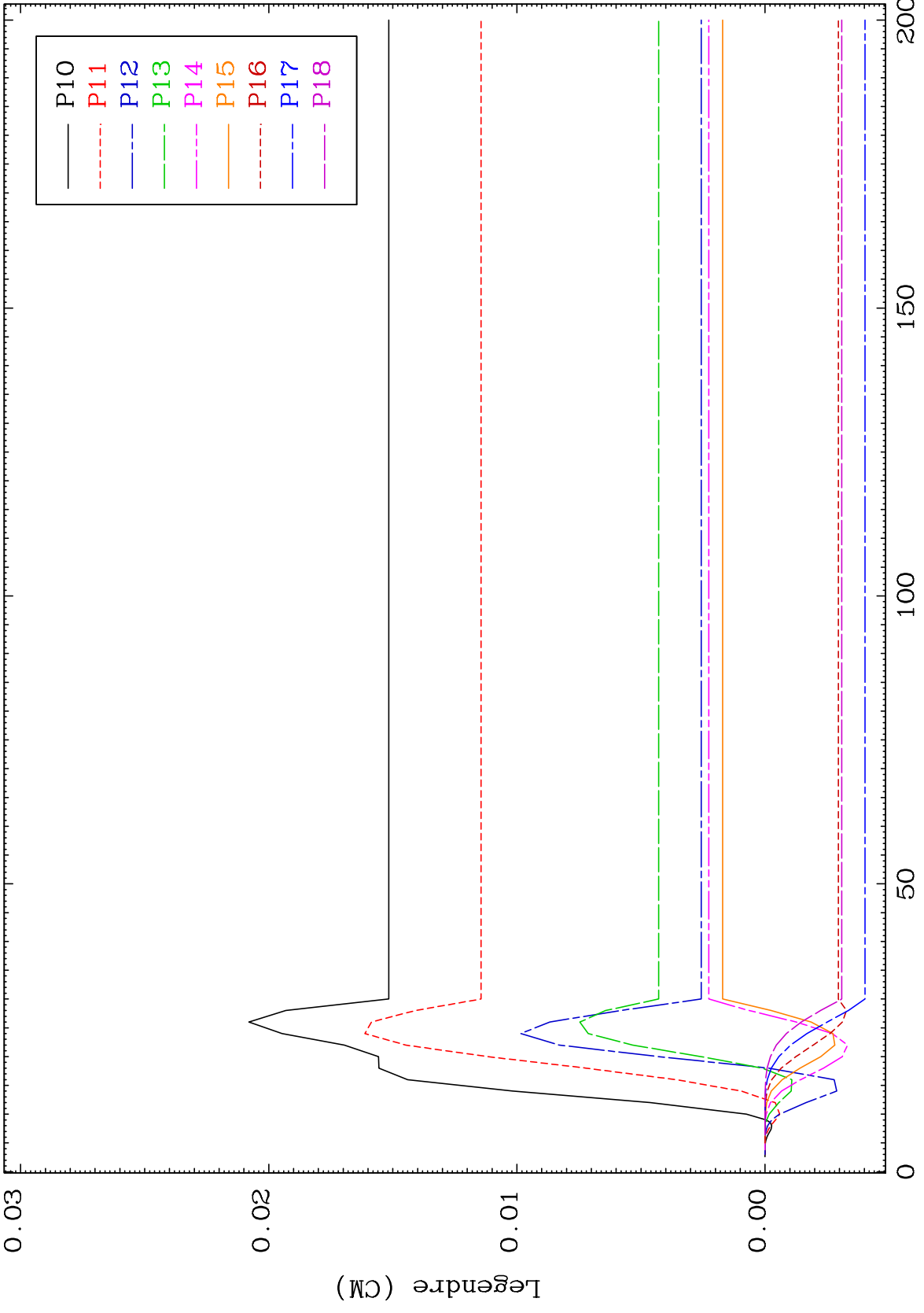


MAT 4046 MT= 59 (n,n') Level Legendre Coefficients 40-Zr-97



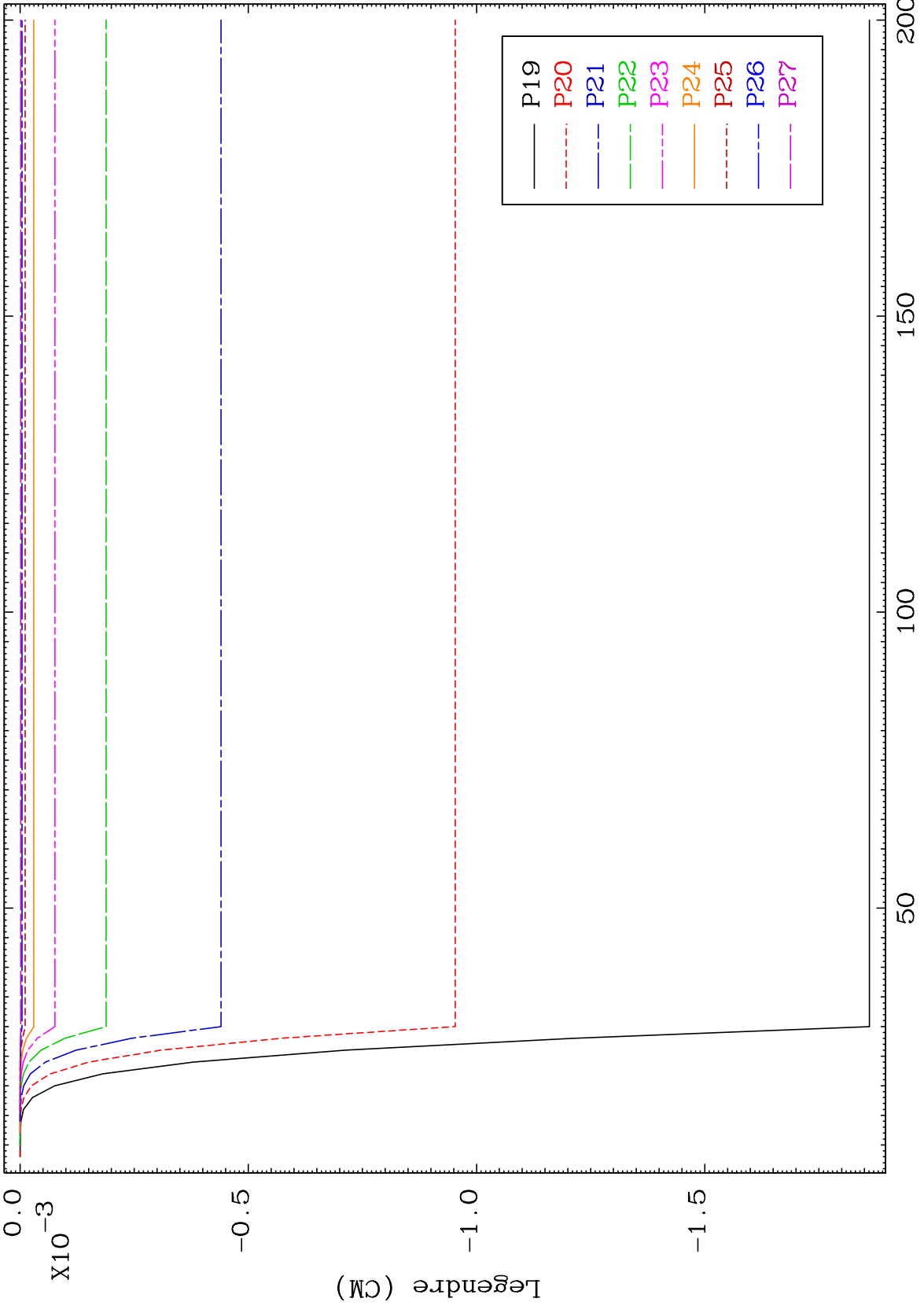
52 Incident Energy (MeV) 40-Zr-97

MAT 4046 MT= 59 (n,n') Level Legendre Coefficients 40-Zr-97



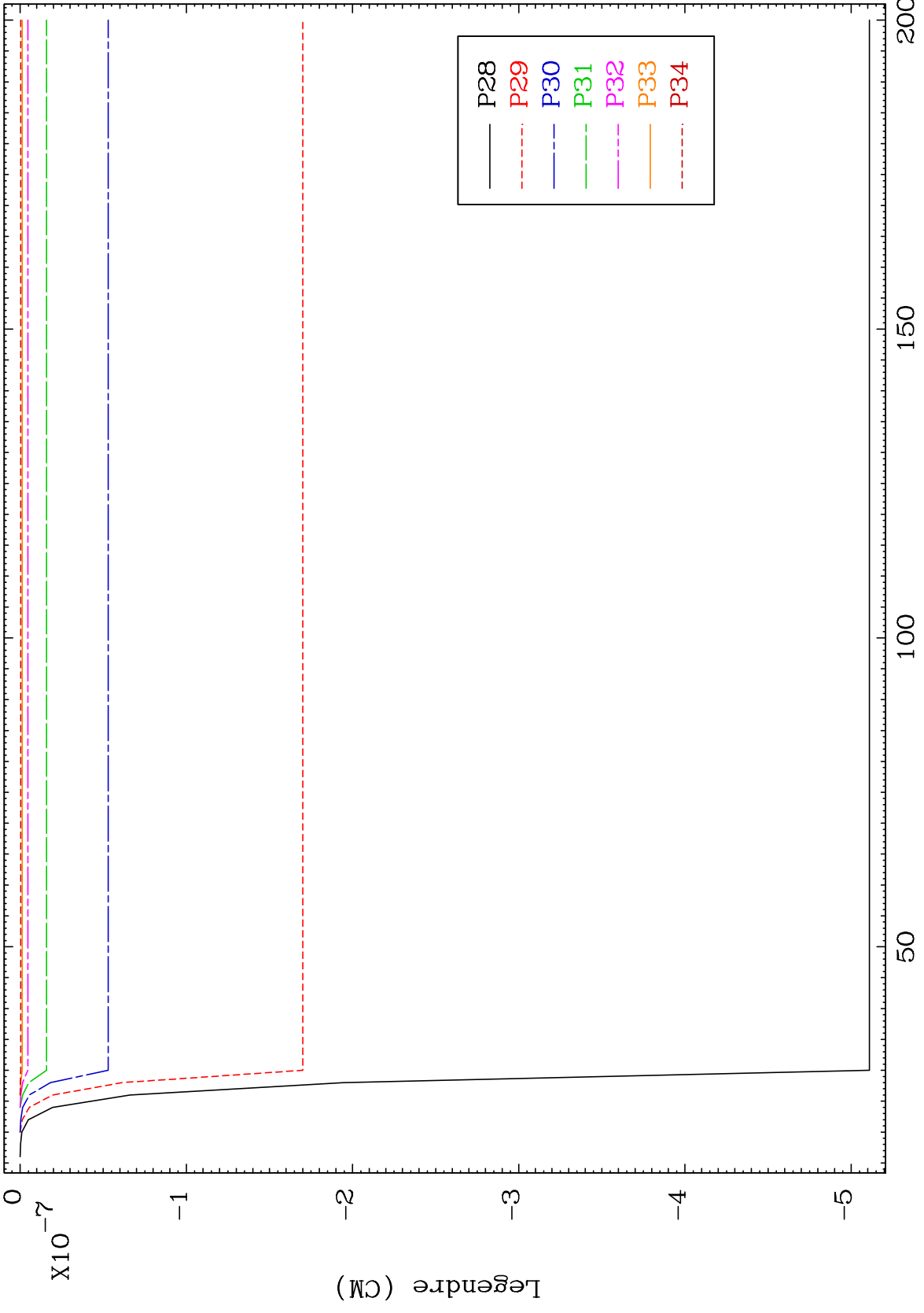
53 40-Zr-97

MAT 4046 MT= 59 (n,n') Level Legendre Coefficients 40-Zr-97



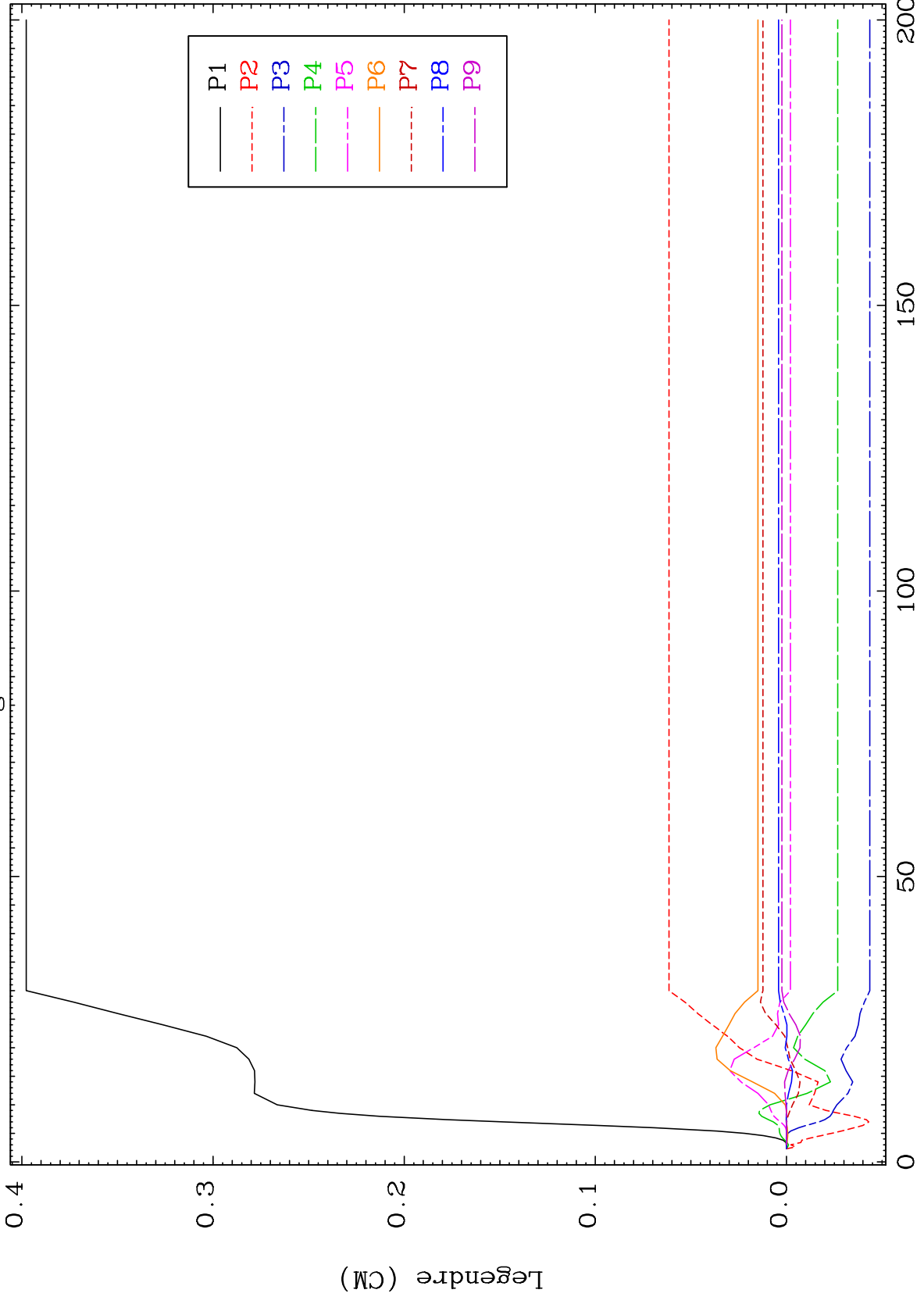
54 Incident Energy (MeV) 40-Zr-97

MAT 4046 MT= 59 (n,n') Level Legendre Coefficients 40-Zr-97



55 Incident Energy (MeV) 40-Zr-97

MAT 4046 MT= 60 (n,n') Level Legendre Coefficients 40-Zr-97

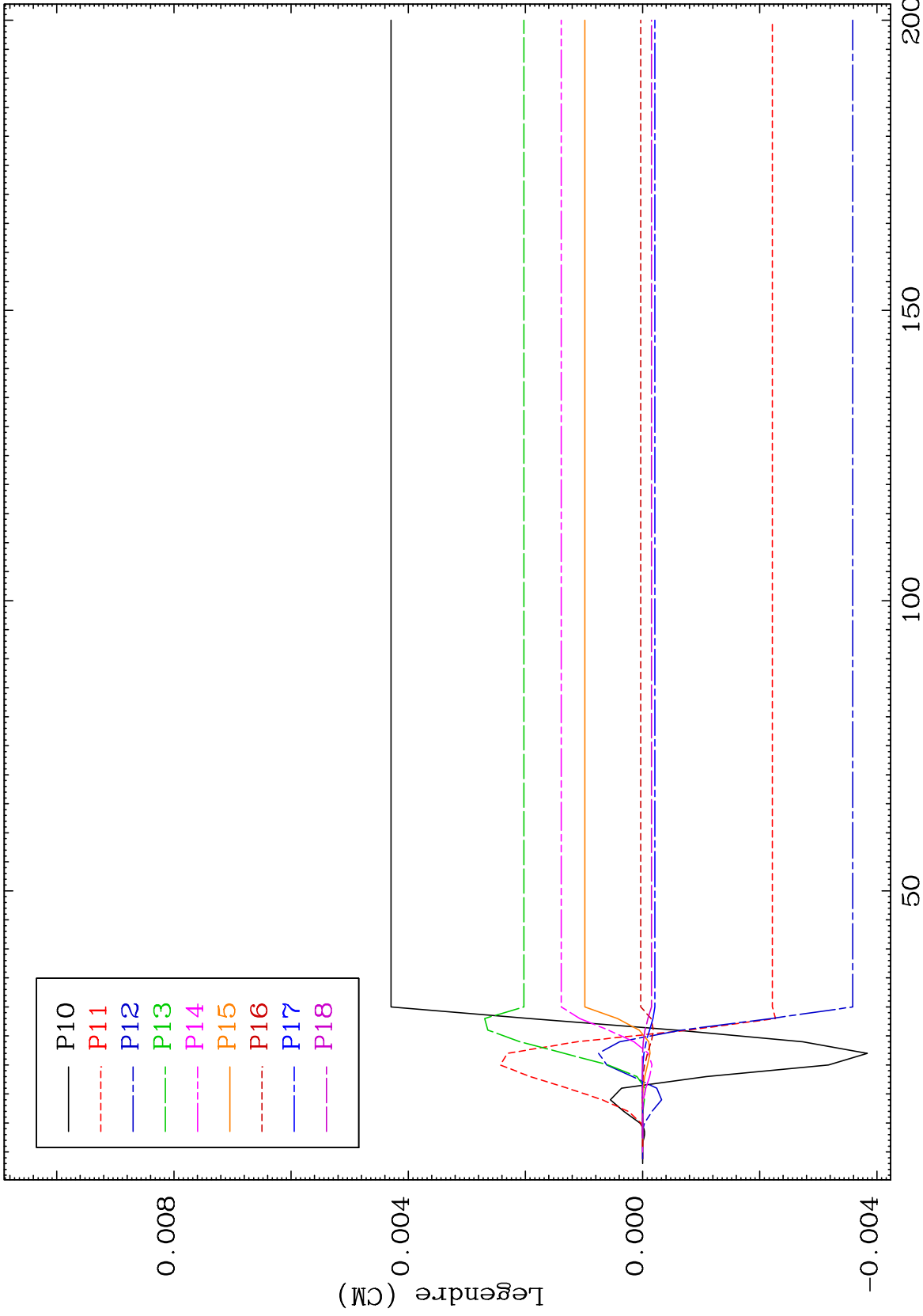


56 Incident Energy (MeV) 40-Zr-97

MAT 4046

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

40-Zr-97

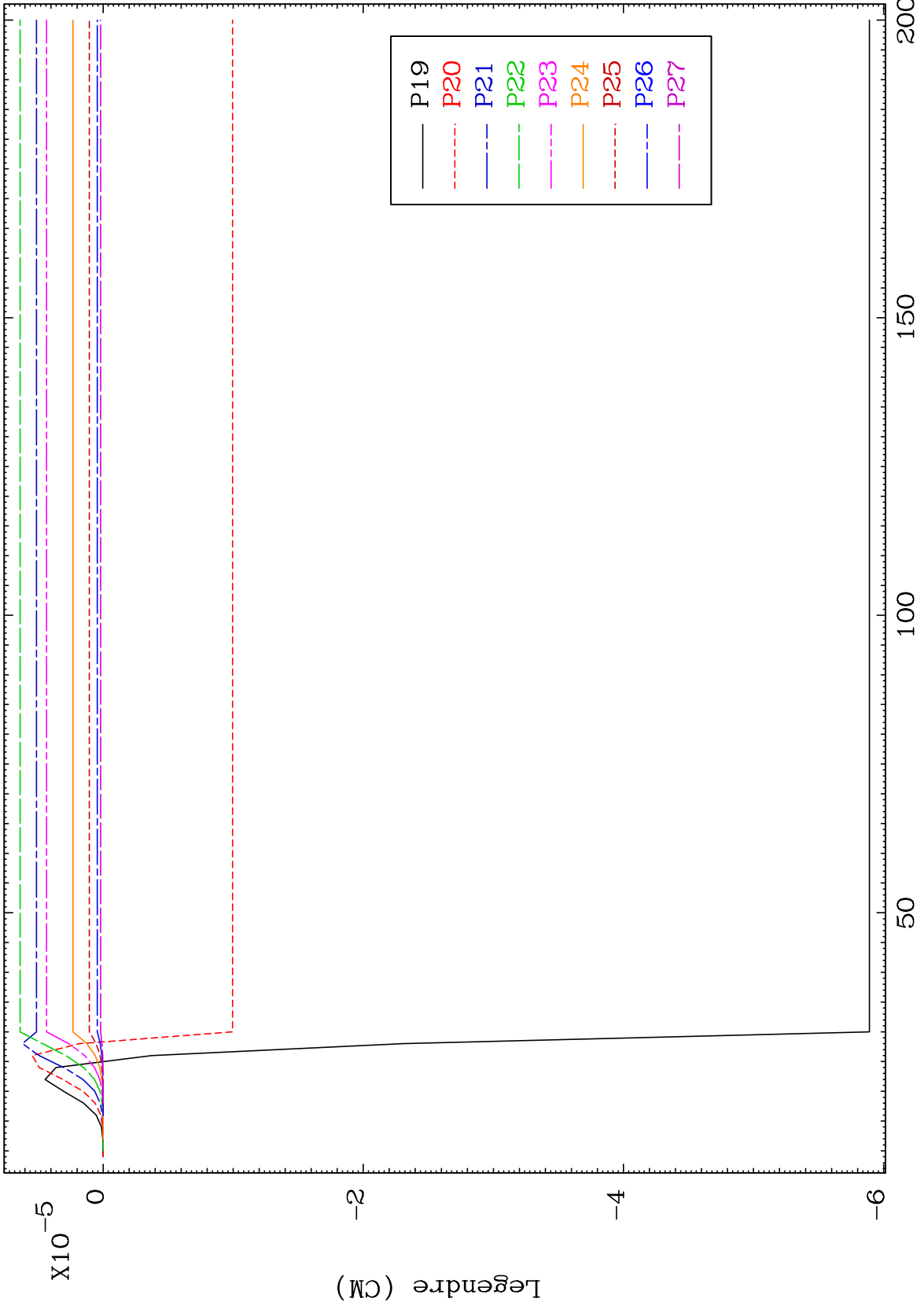


57

Incident Energy (MeV)

40-Zr-97

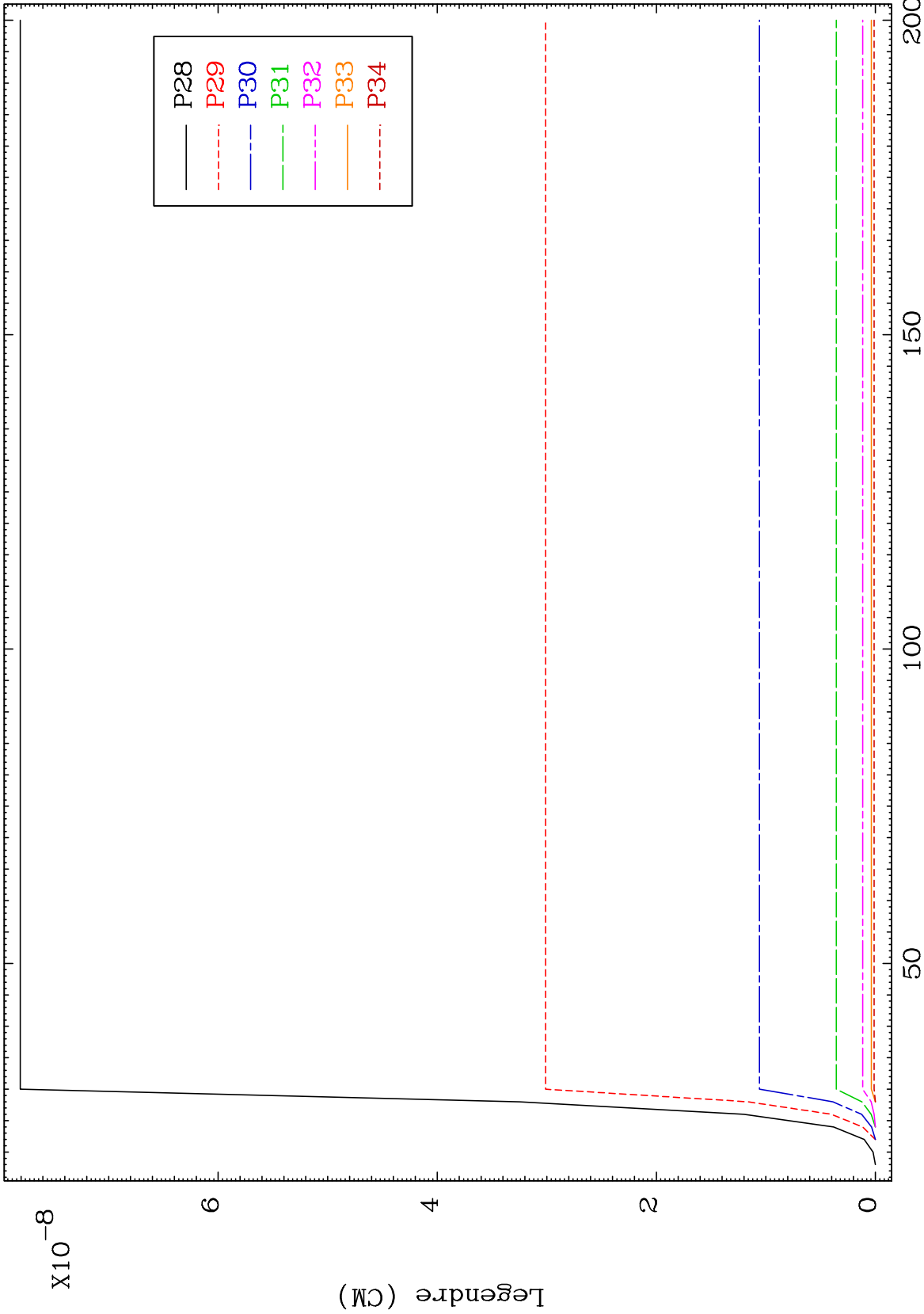
MAT 4046 MT= 60 (n,n') Level Legendre Coefficients 40-Zr-97



MAT 4046

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

40-Zr-97

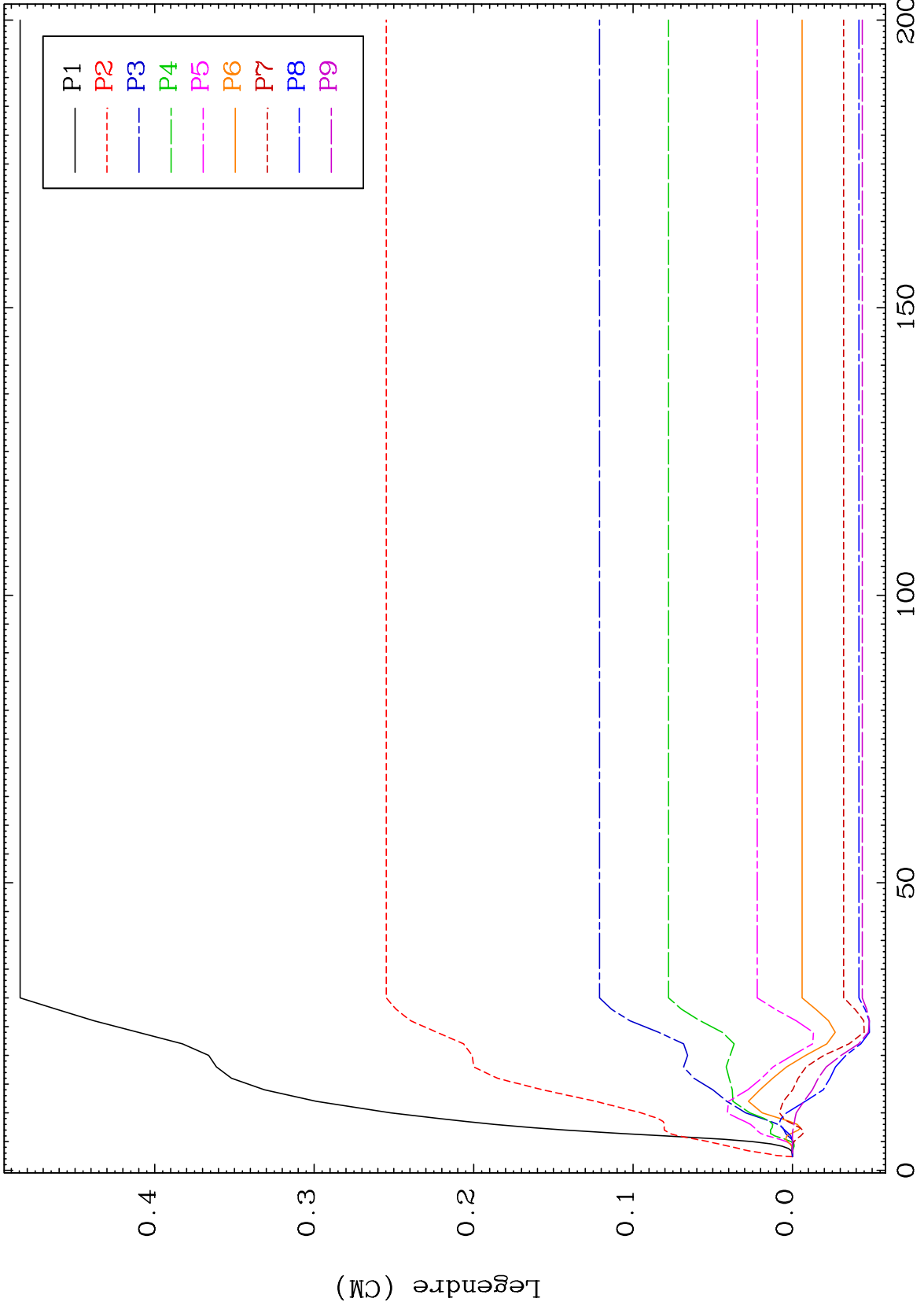


59

Incident Energy (MeV)

40-Zr-97

MAT 4046 MT= 61 (n,n') Level Legendre Coefficients 40-Zr-97

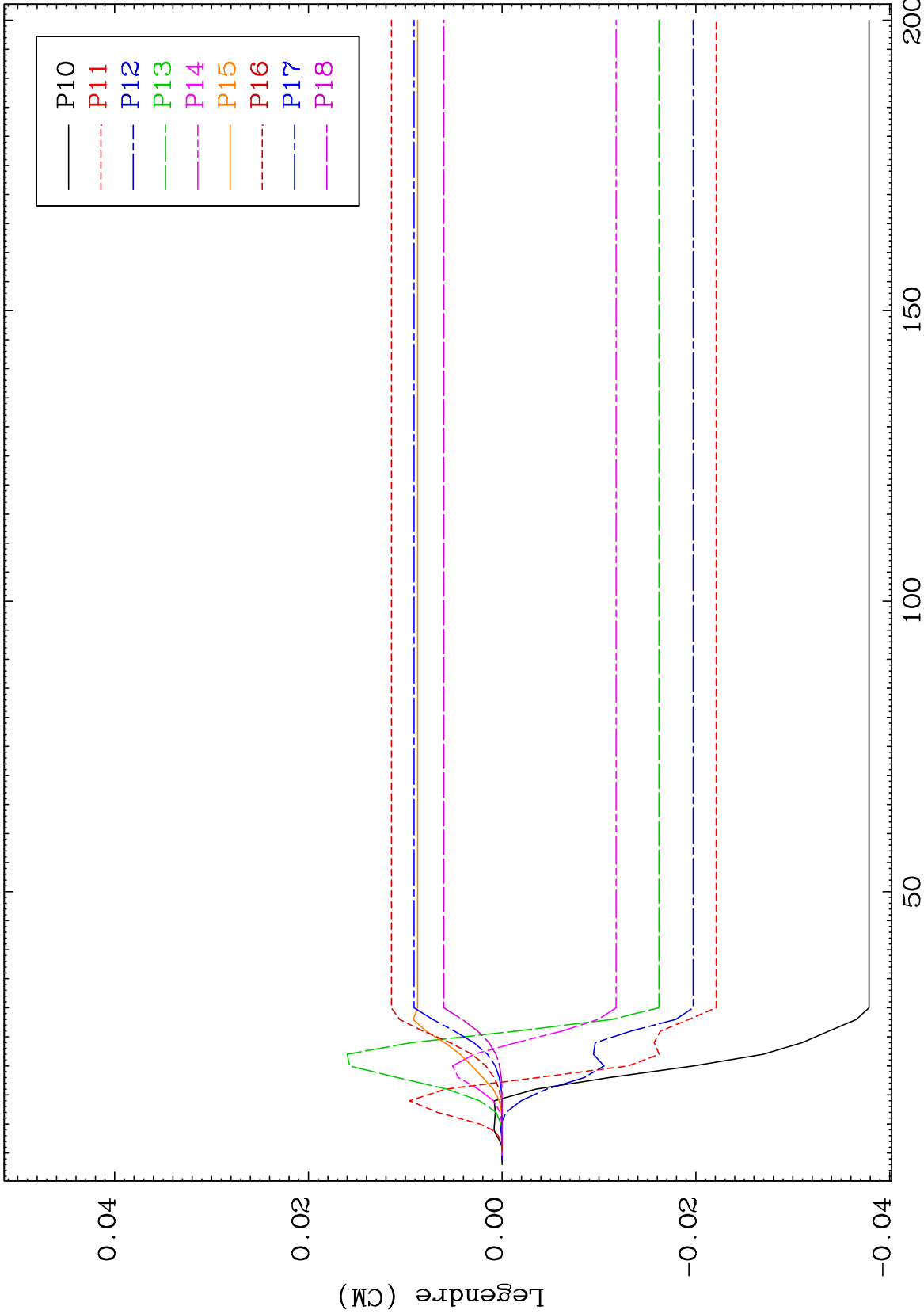


Incident Energy (MeV) 40-Zr-97

MAT 4046

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

40-Zr-97

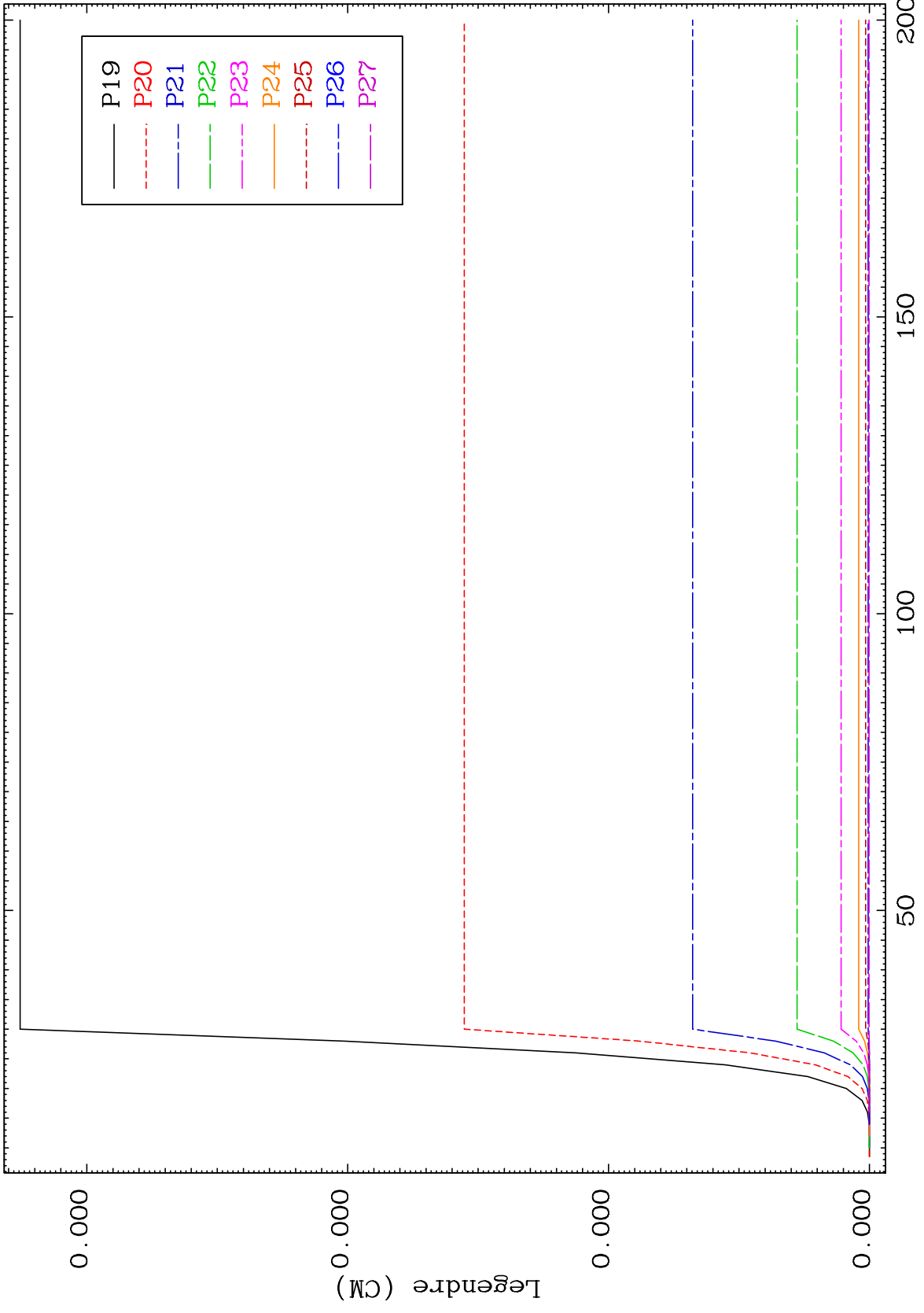


61

Incident Energy (MeV)

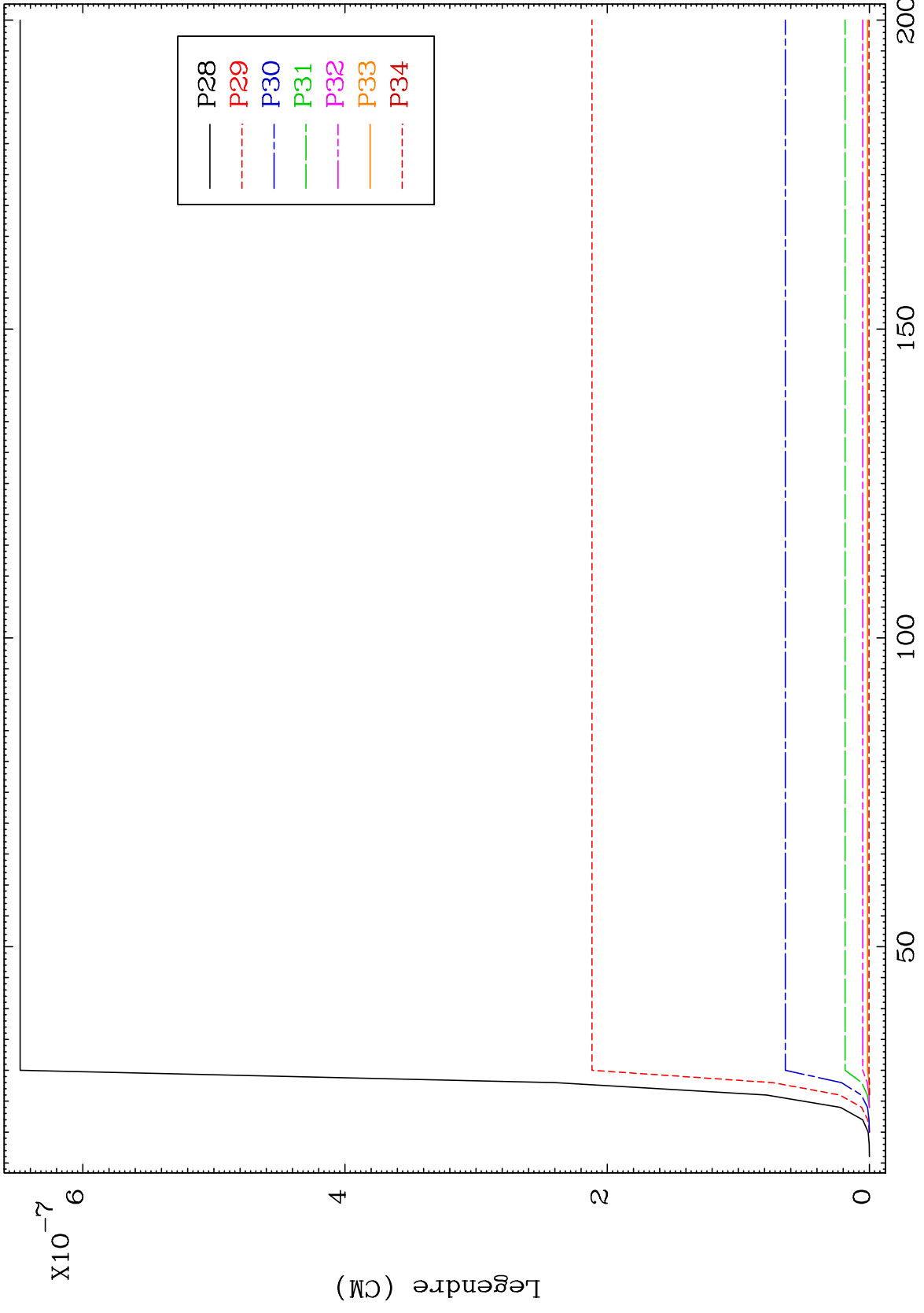
40-Zr-97

MAT 4046 MT= 61 (n,n') Level Legendre Coefficients 40-Zr-97



62 40-Zr-97

MAT 4046 MT= 61 (n,n') Level Legendre Coefficients 40-Zr-97

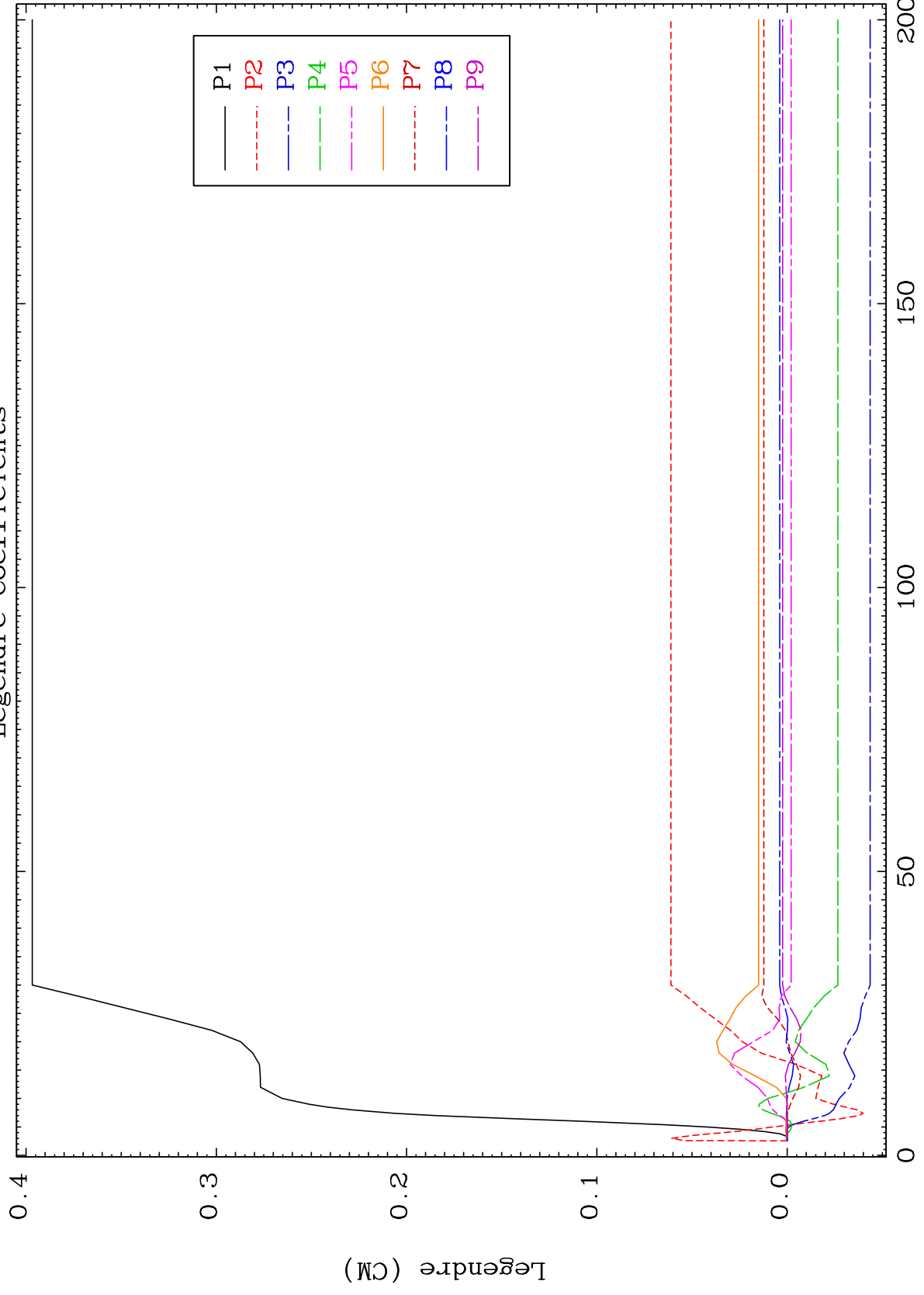


63 40-Zr-97

MAT 4046 MT= 62 (n,n') Level Legendre Coefficients

40-Zr-97

40-Zr-97

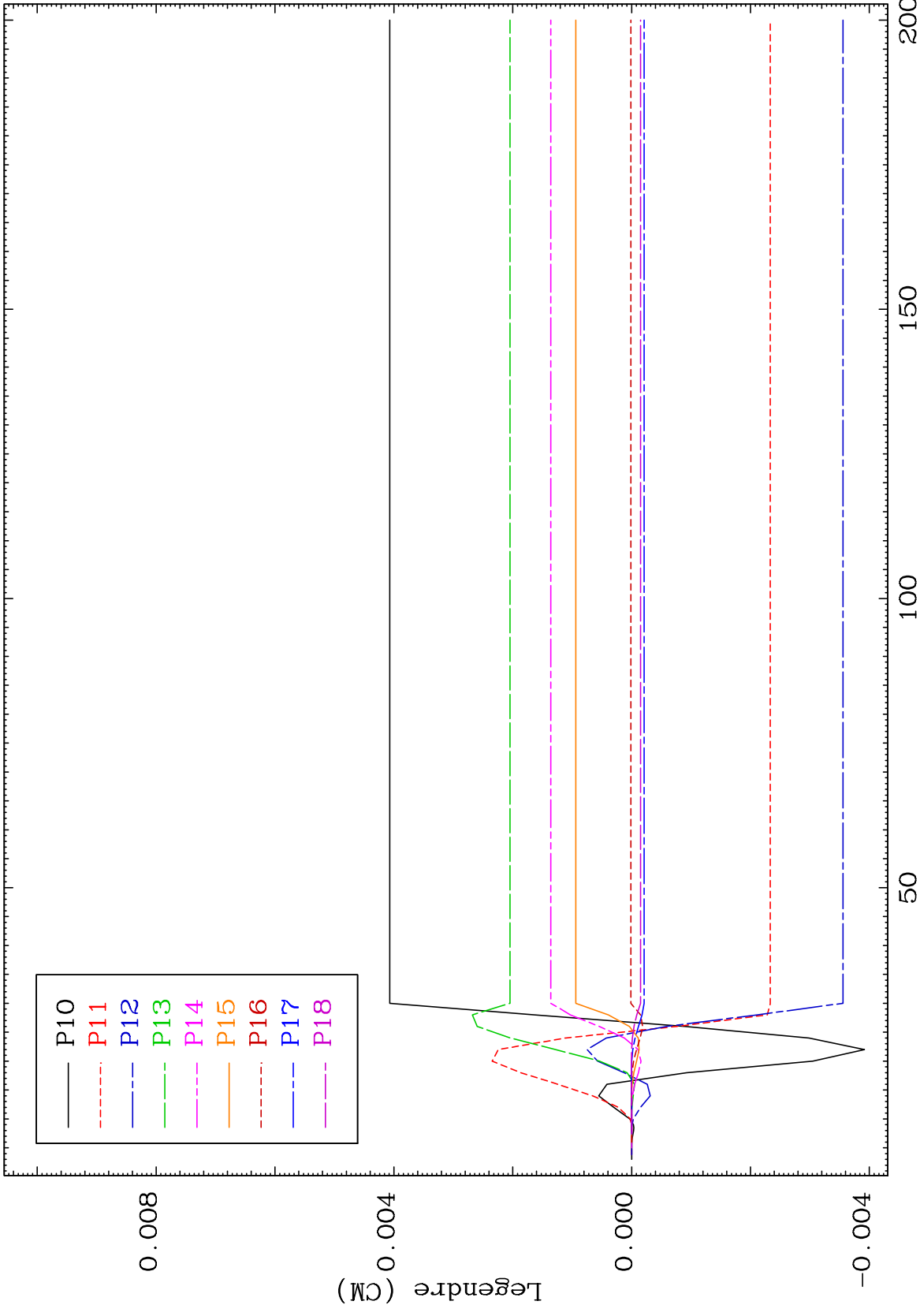


64

MAT 4046

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

40-Zr-97

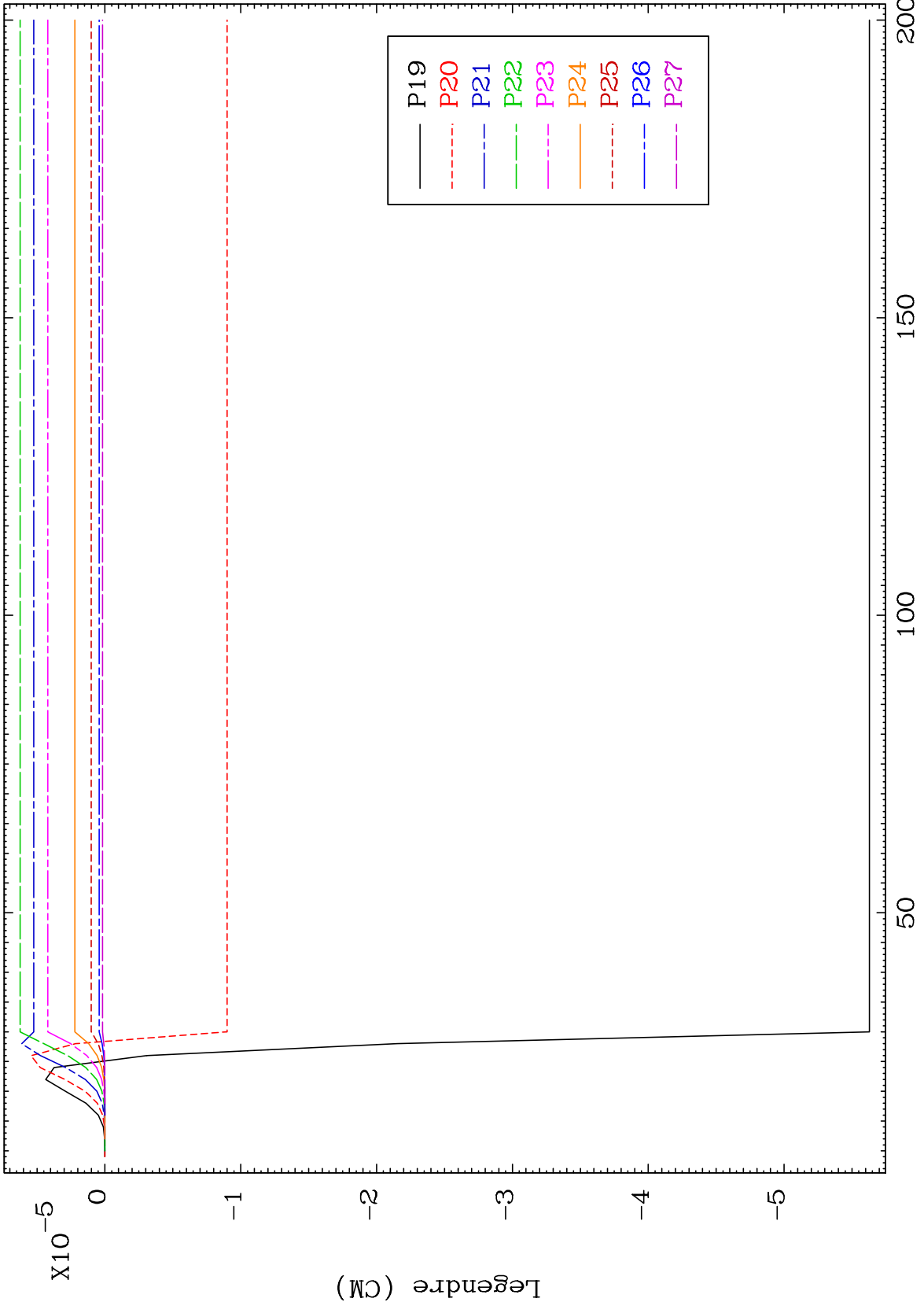


65

Incident Energy (MeV)

40-Zr-97

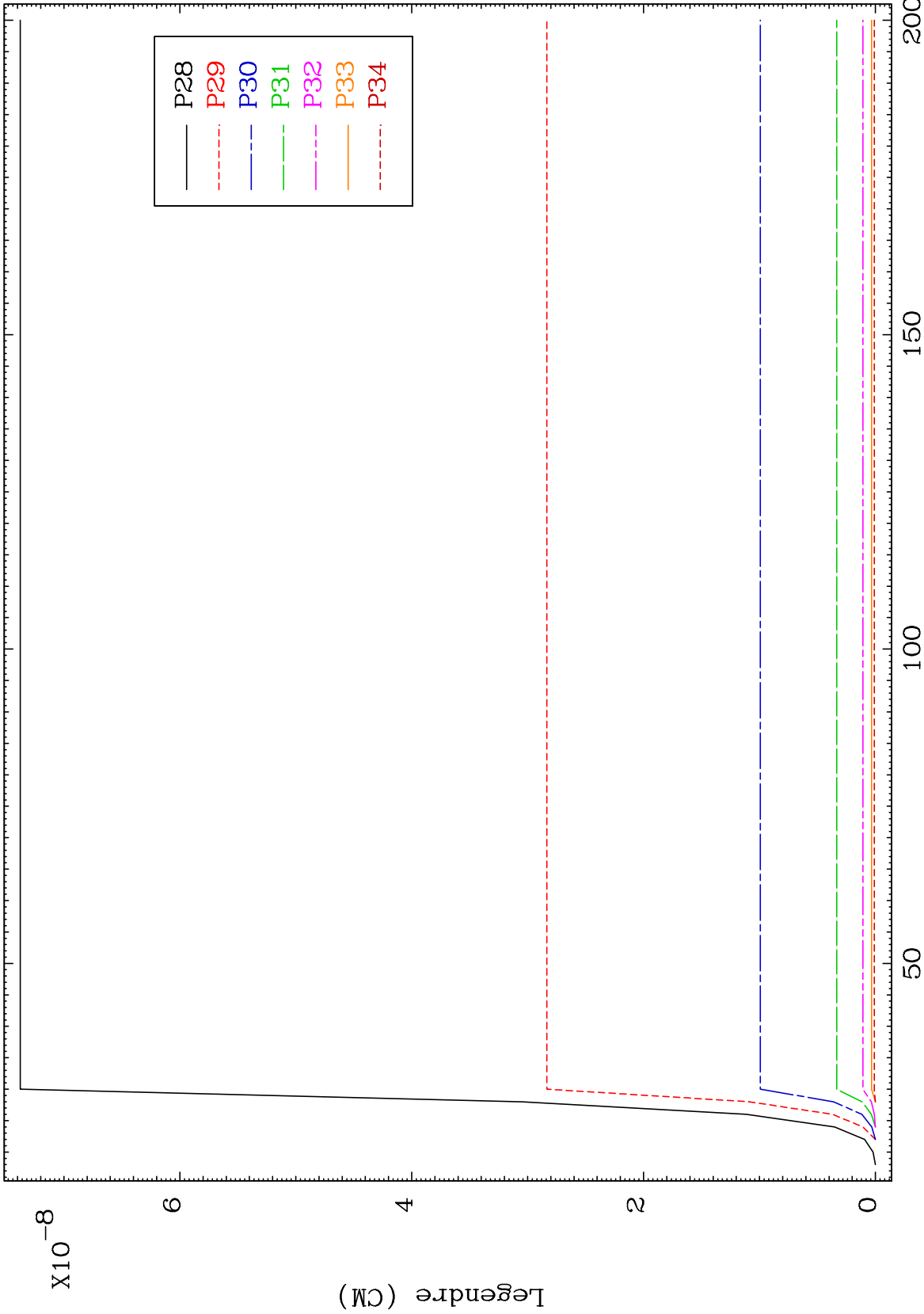
MAT 4046 MT= 62 (n,n') Level Legendre Coefficients 40-Zr-97



MAT 4046

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

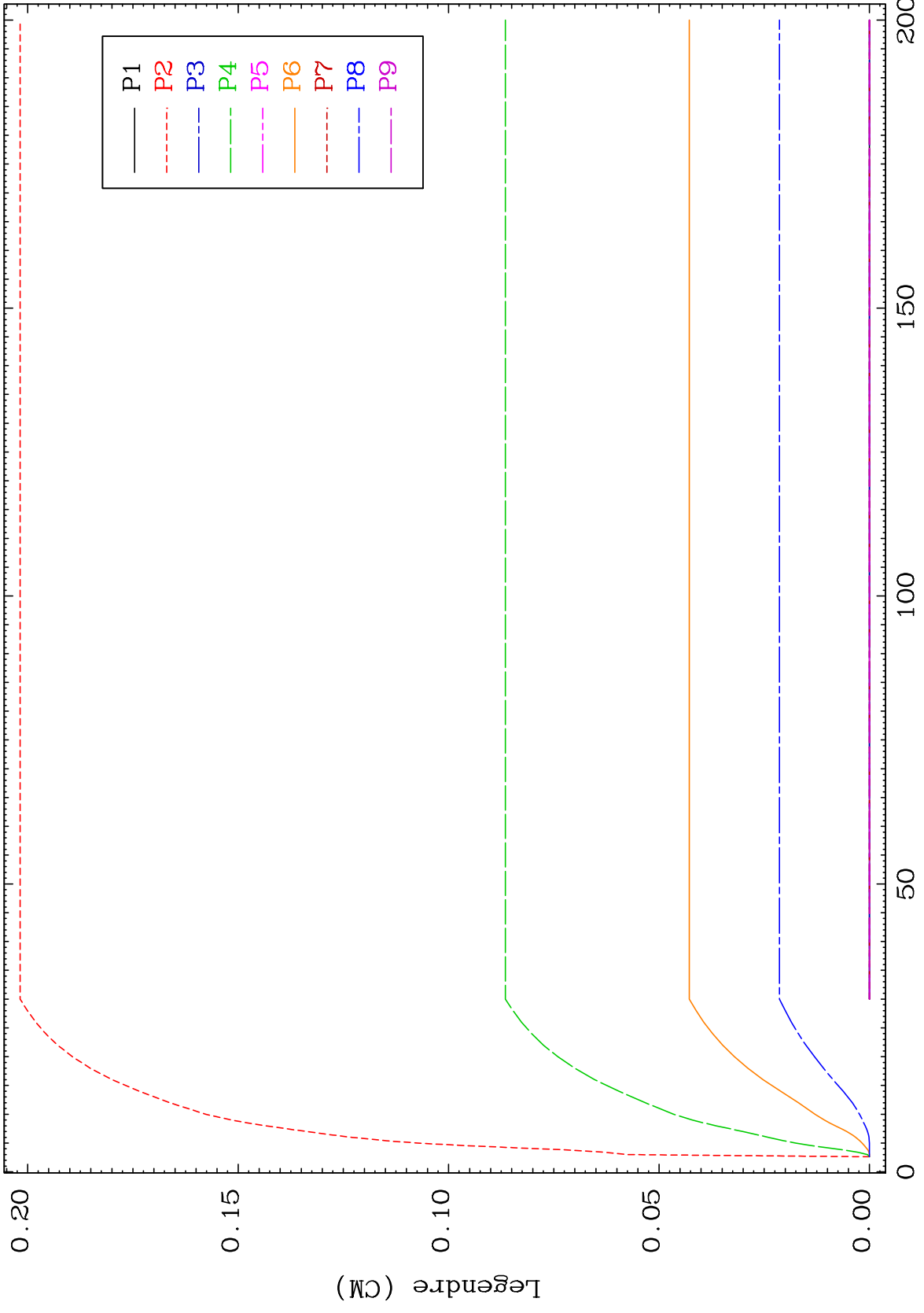
40-Zr-97



67

40-Zr-97

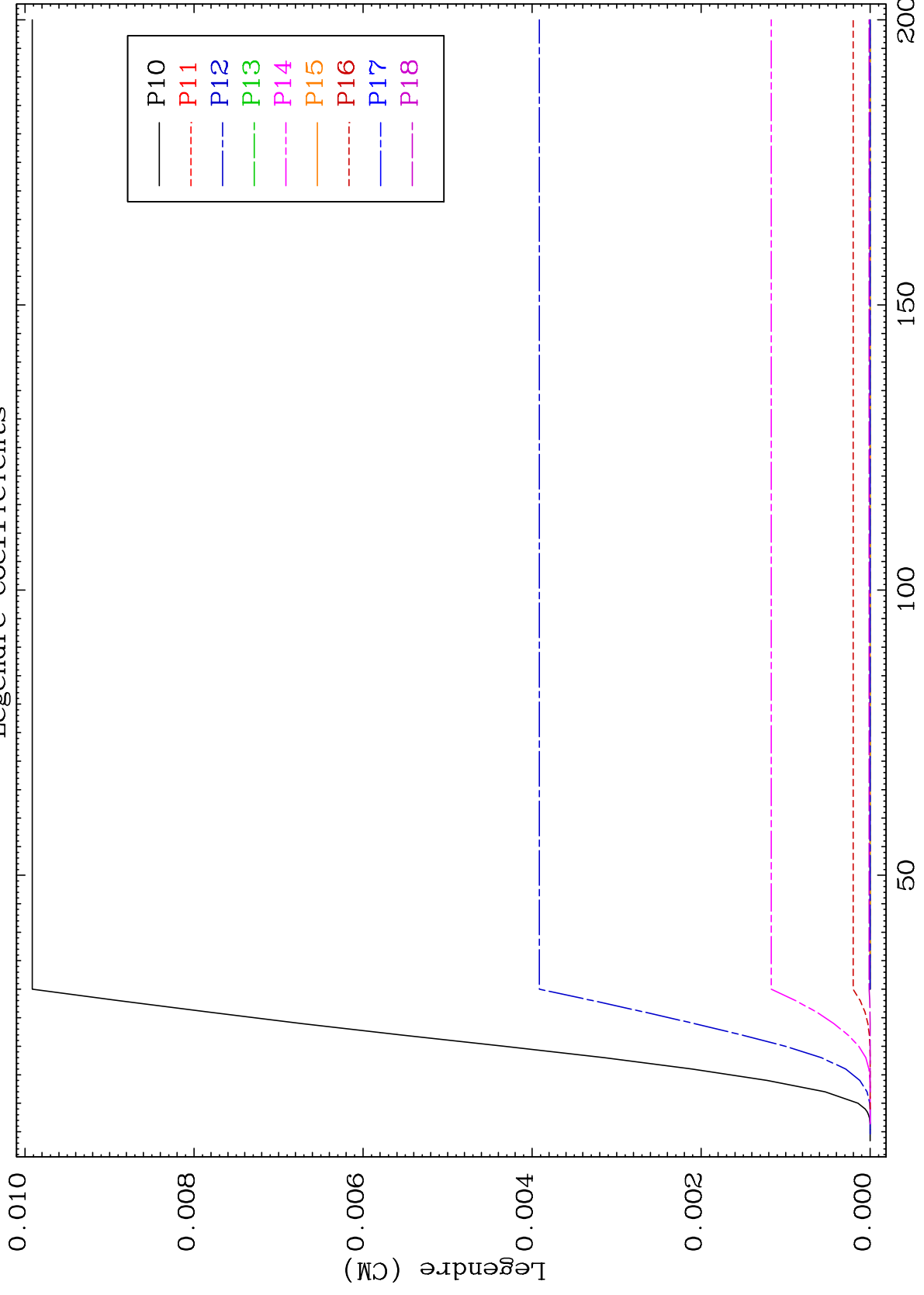
MAT 4046 MT= 63 (n,n') Level Legendre Coefficients 40-Zr-97



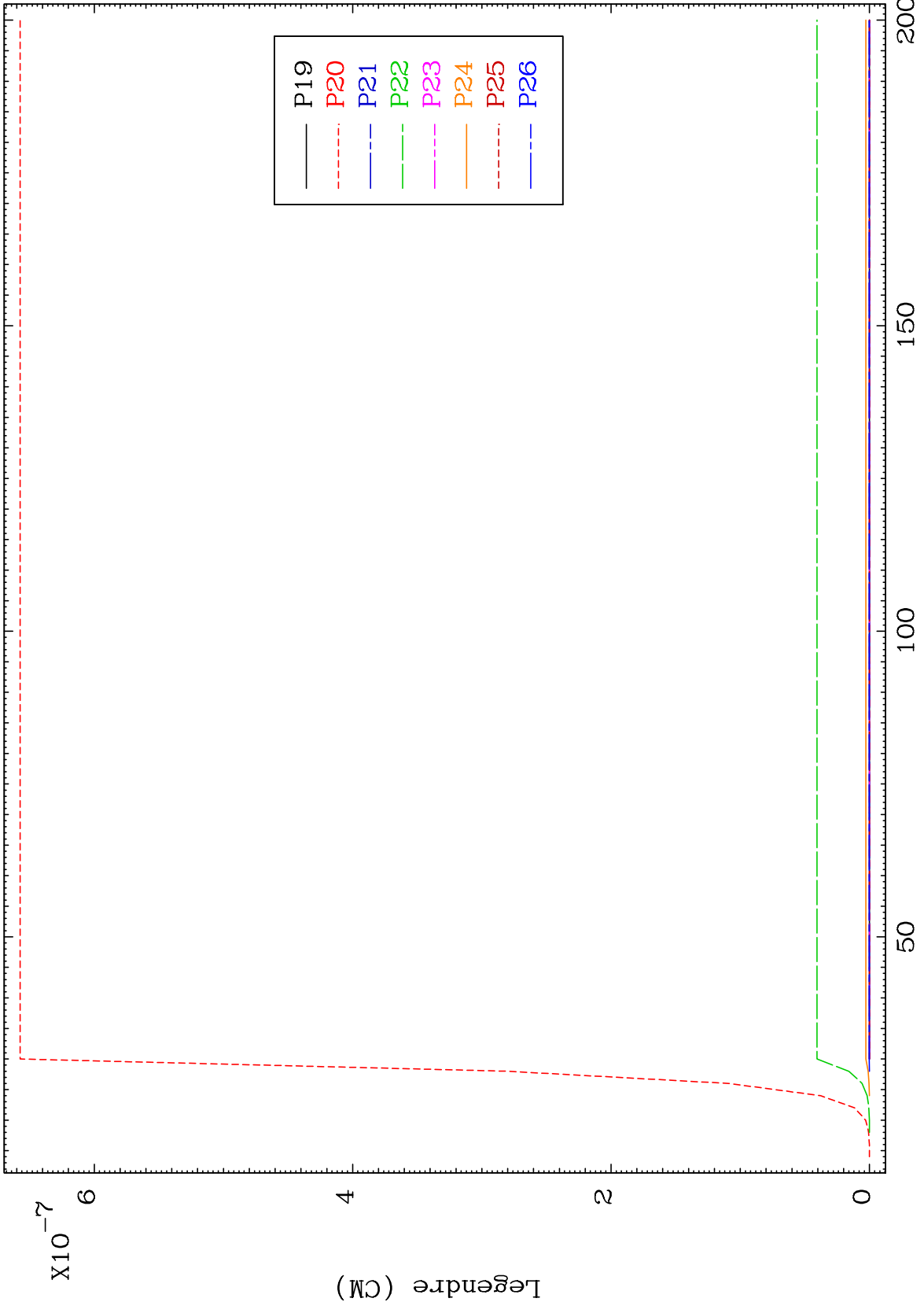
68

Incident Energy (MeV)

40-Zr-97

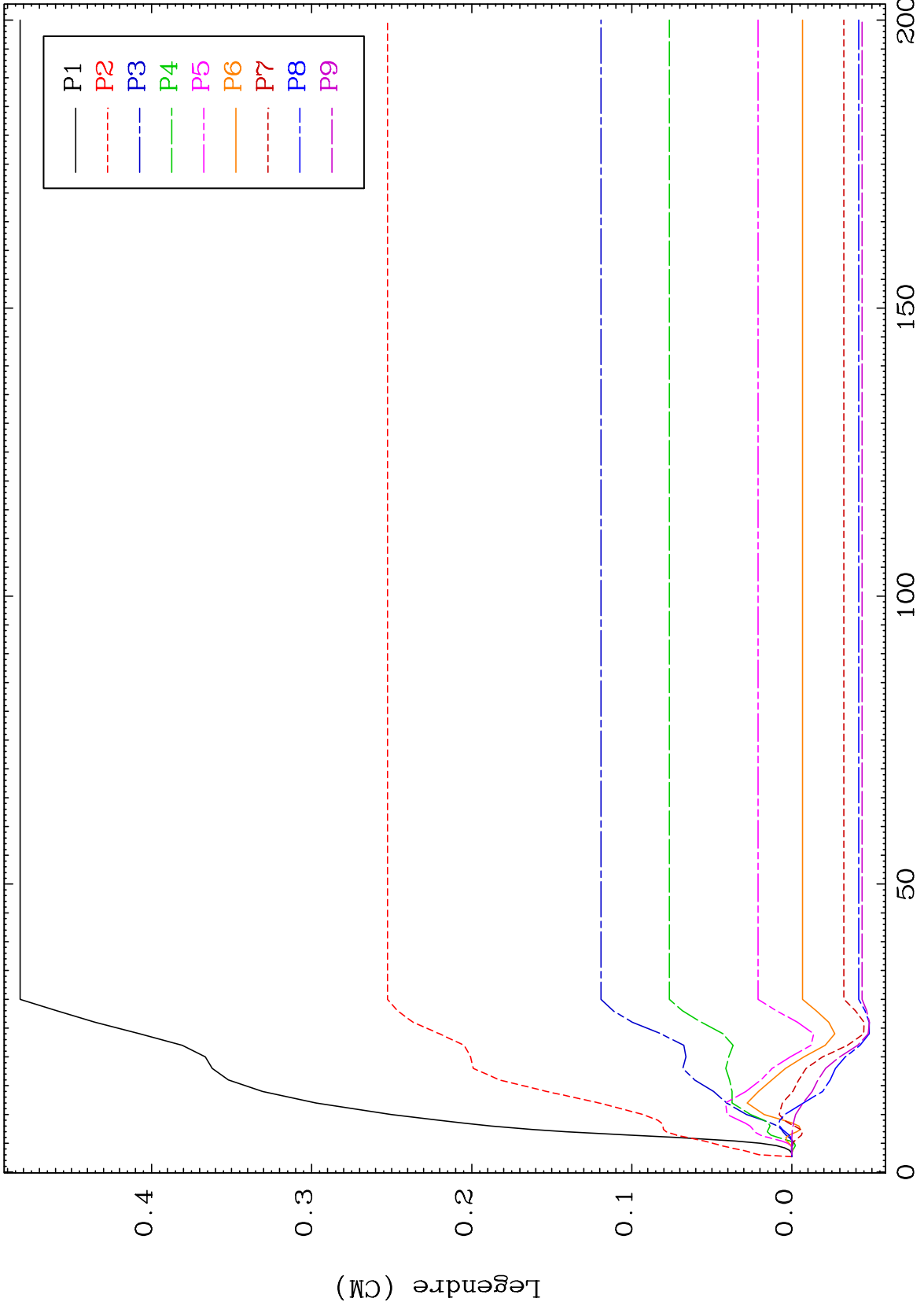


MAT 4046 MT= 63 (n,n') Level Legendre Coefficients 40-Zr-97



40-Zr-97

MAT 4046 MT= 64 (n,n') Level Legendre Coefficients 40-Zr-97

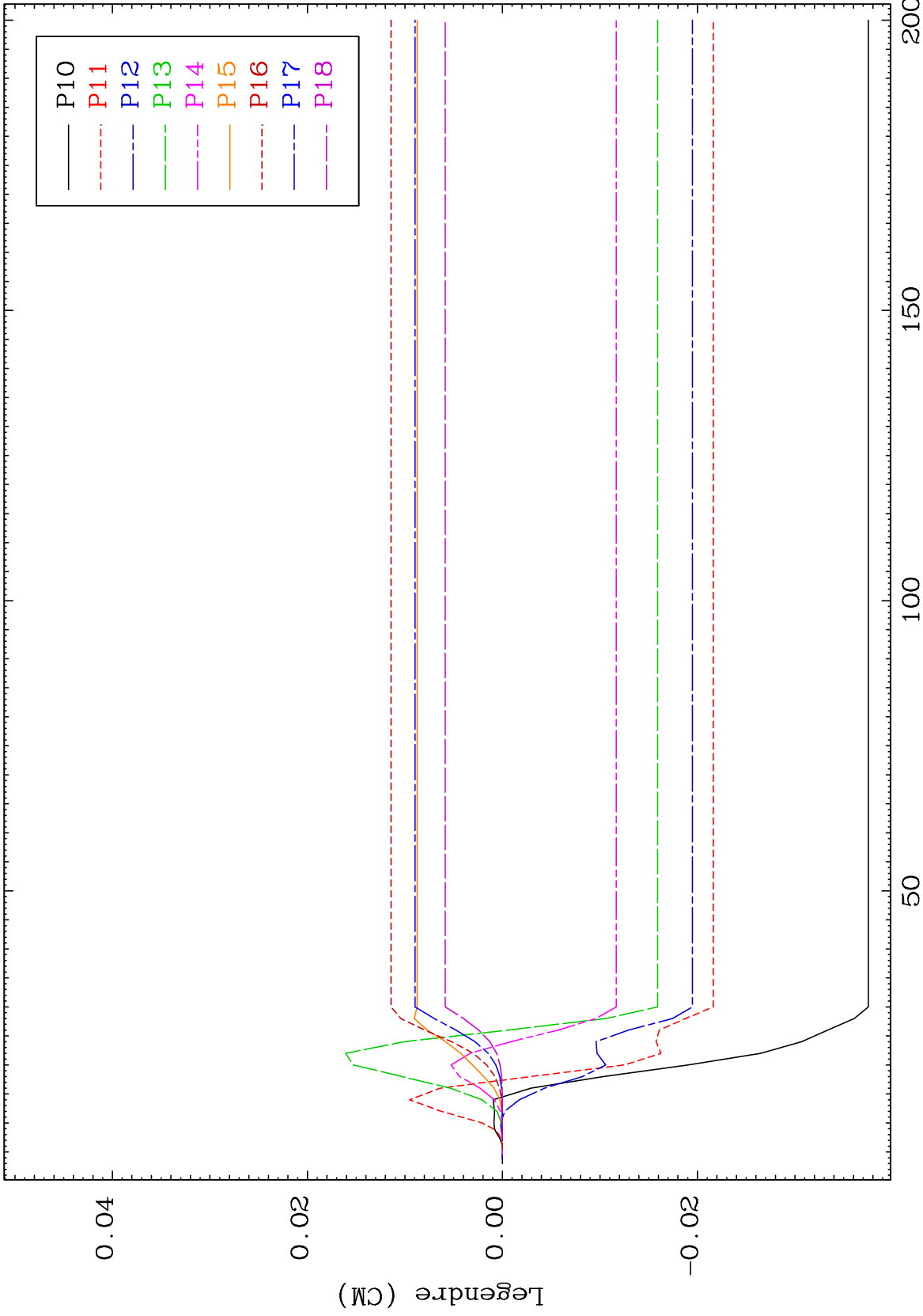


71 40-Zr-97

MAT 4046

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

40-Zr-97

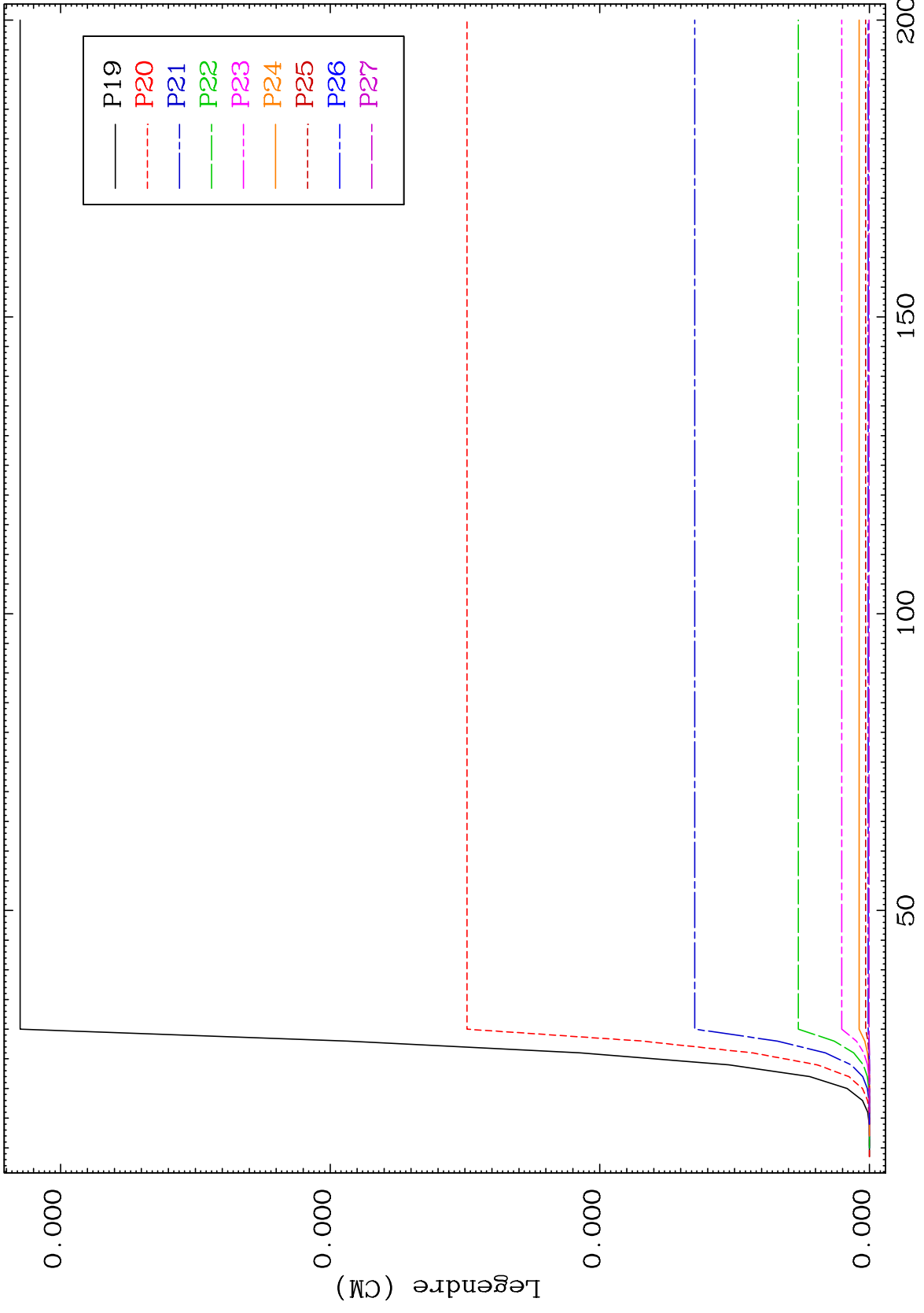


72

Incident Energy (MeV)

40-Zr-97

MAT 4046 MT= 64 (n,n') Level Legendre Coefficients 40-Zr-97

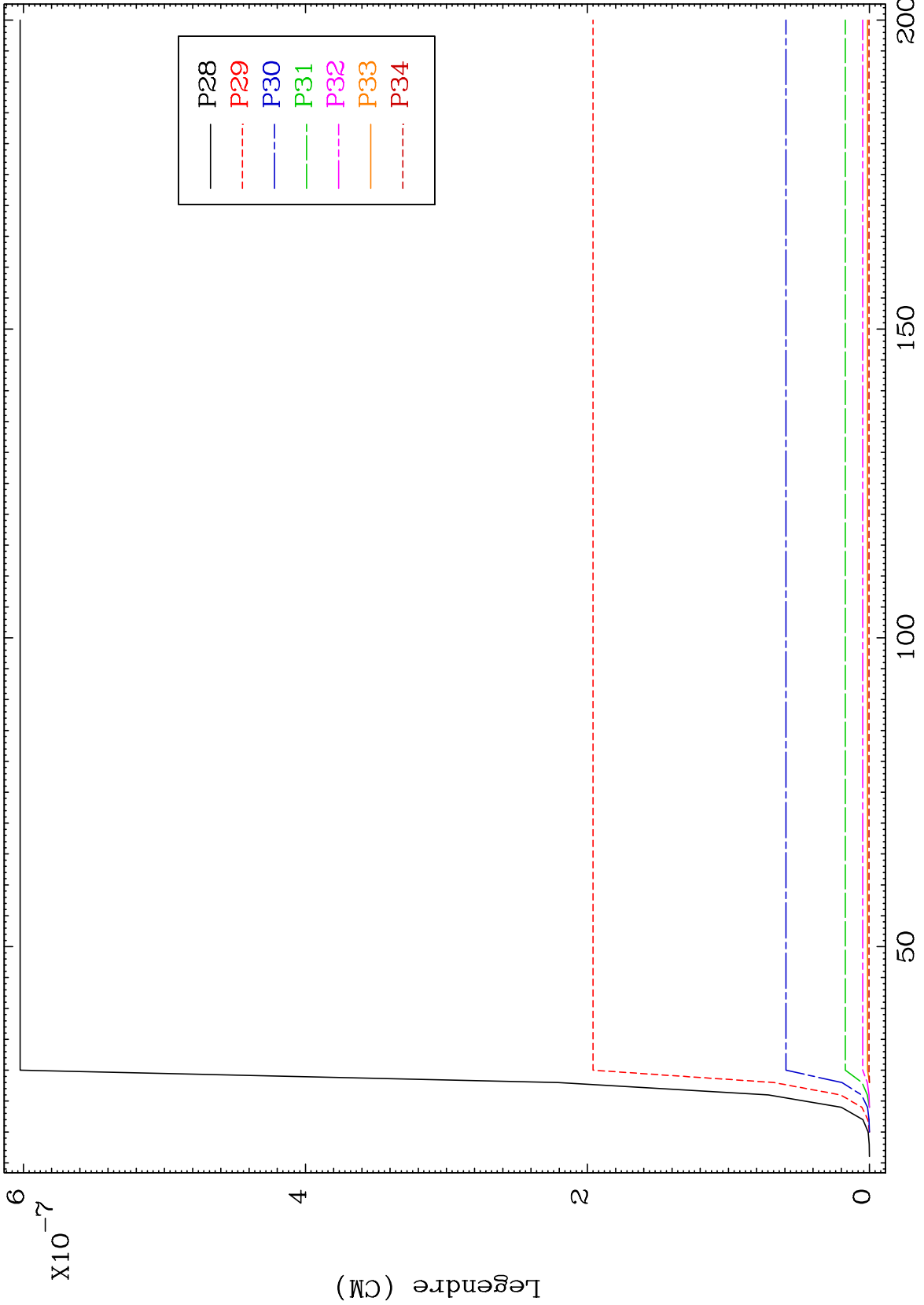


73 40-Zr-97

MAT 4046

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

40-Zr-97

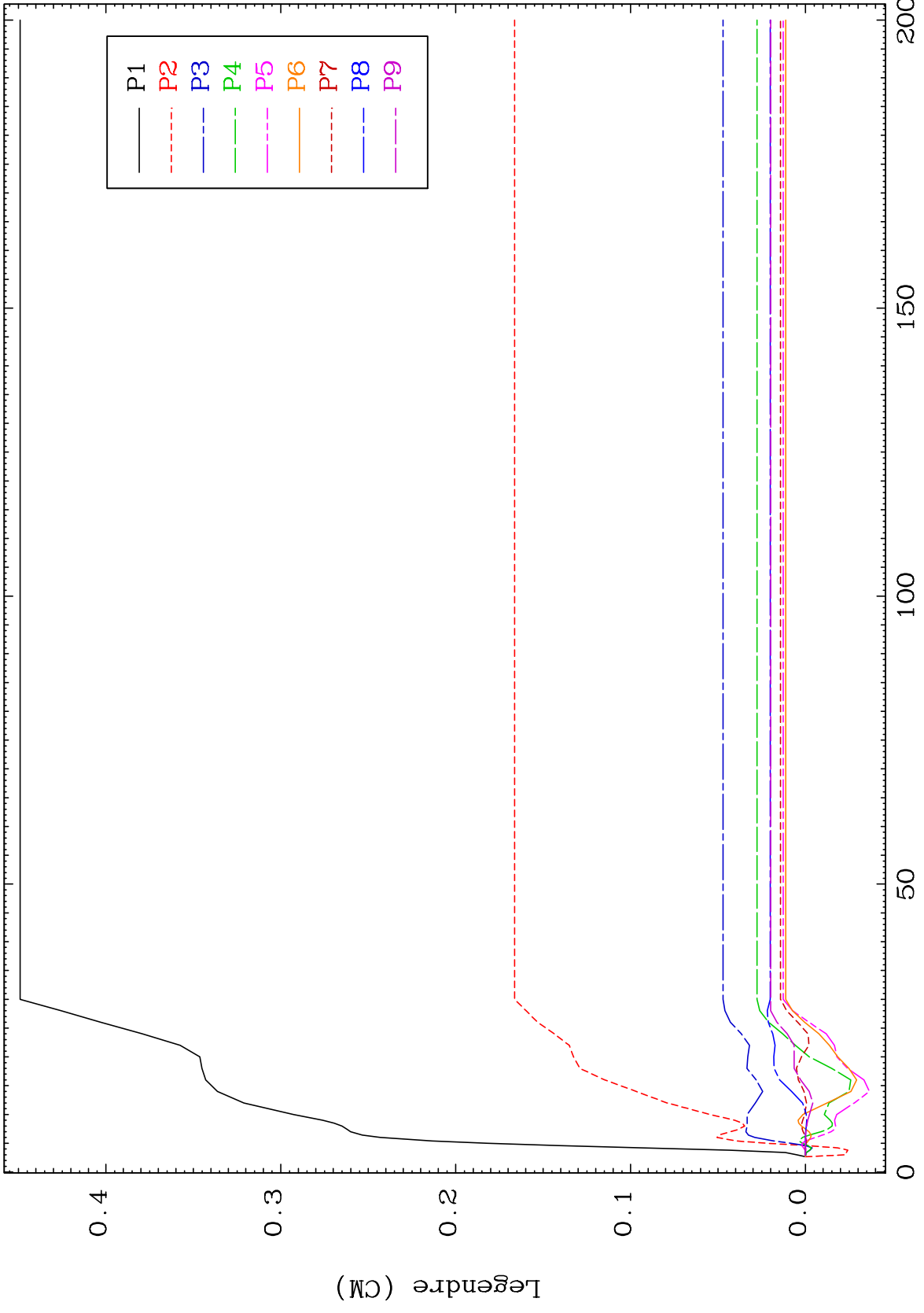


74

Incident Energy (MeV)

40-Zr-97

MAT 4046 MT= 65 (n,n') Level Legendre Coefficients 40-Zr-97

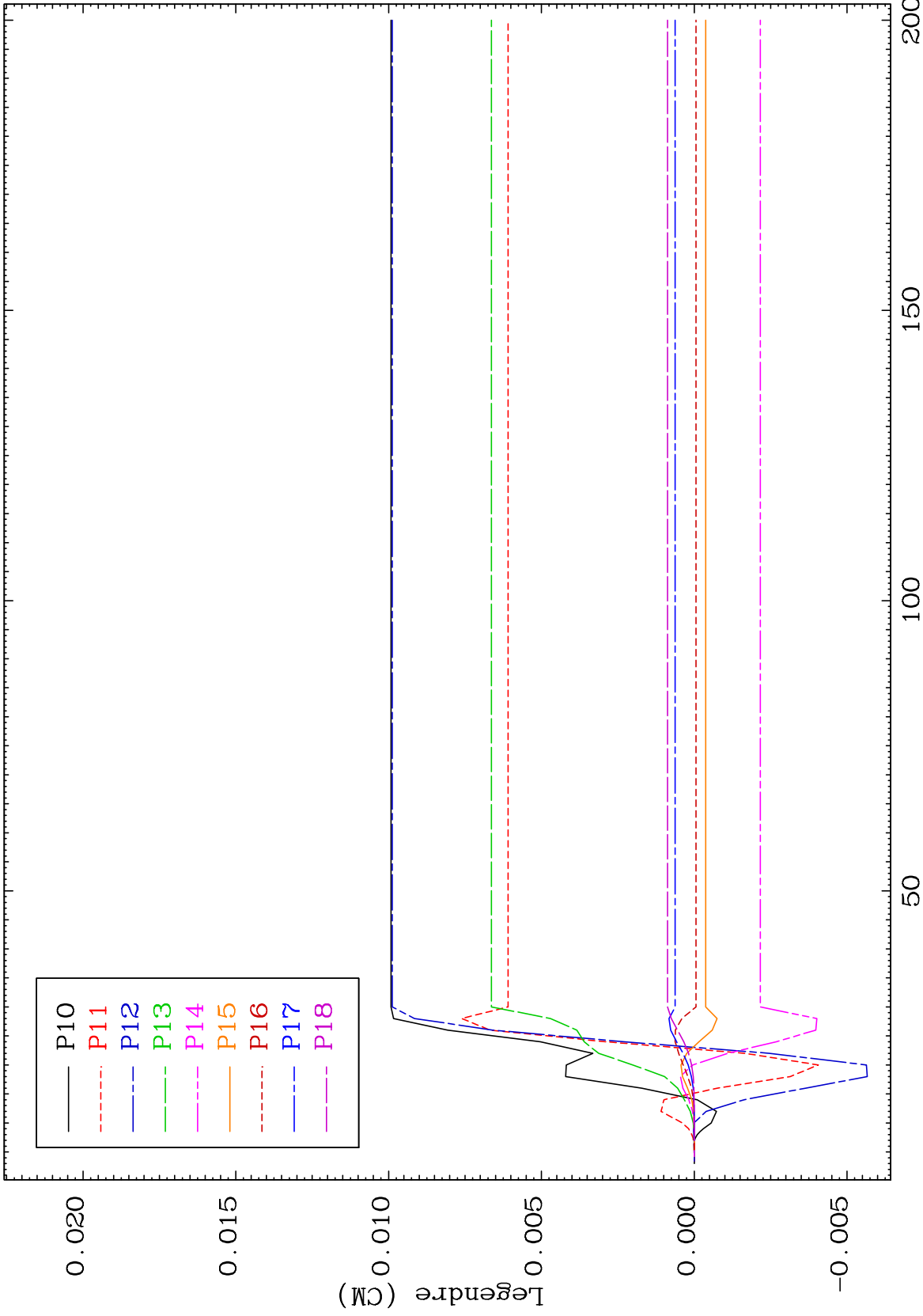


75 Incident Energy (MeV) 40-Zr-97

MAT 4046

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

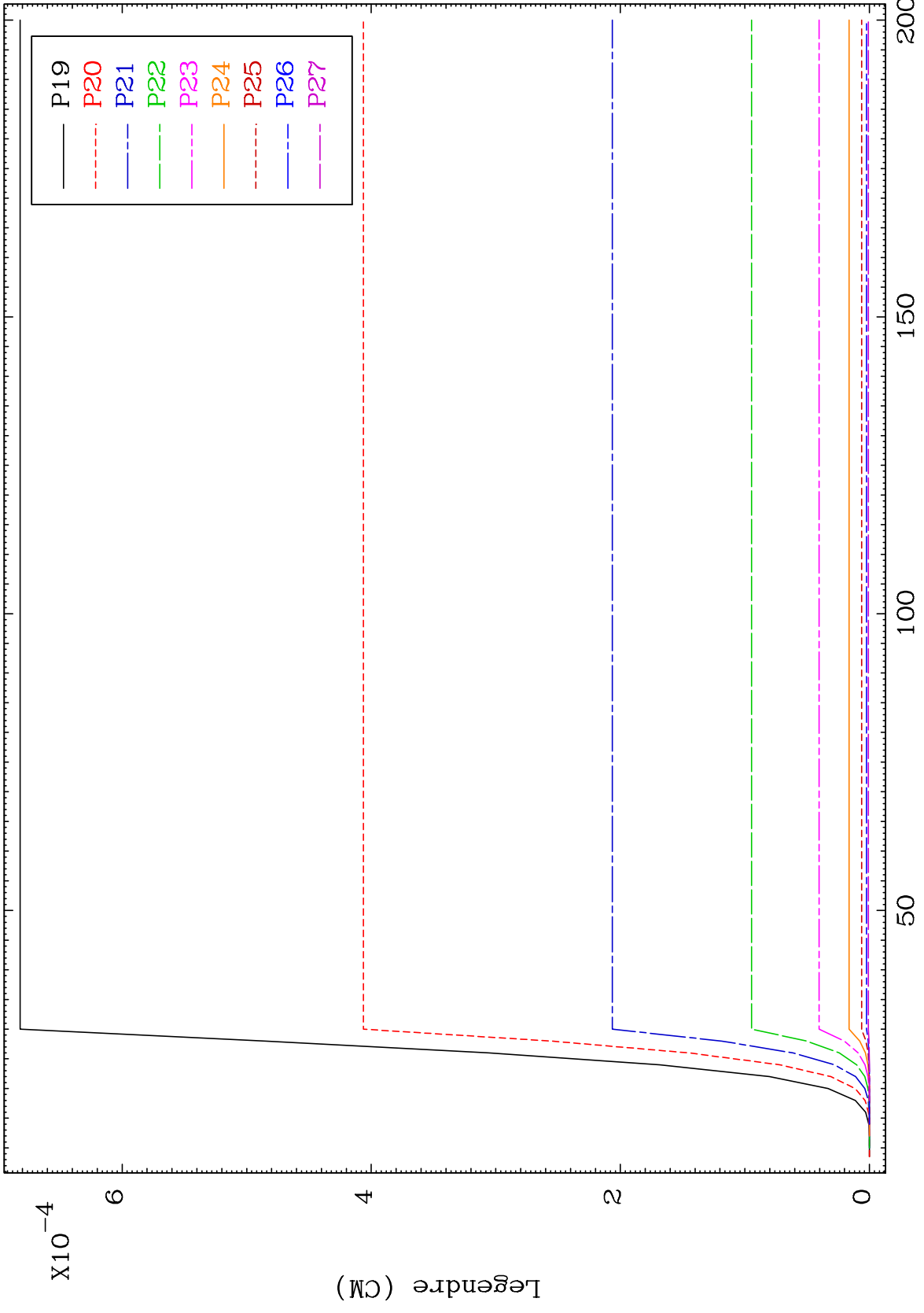
40-Zr-97



76

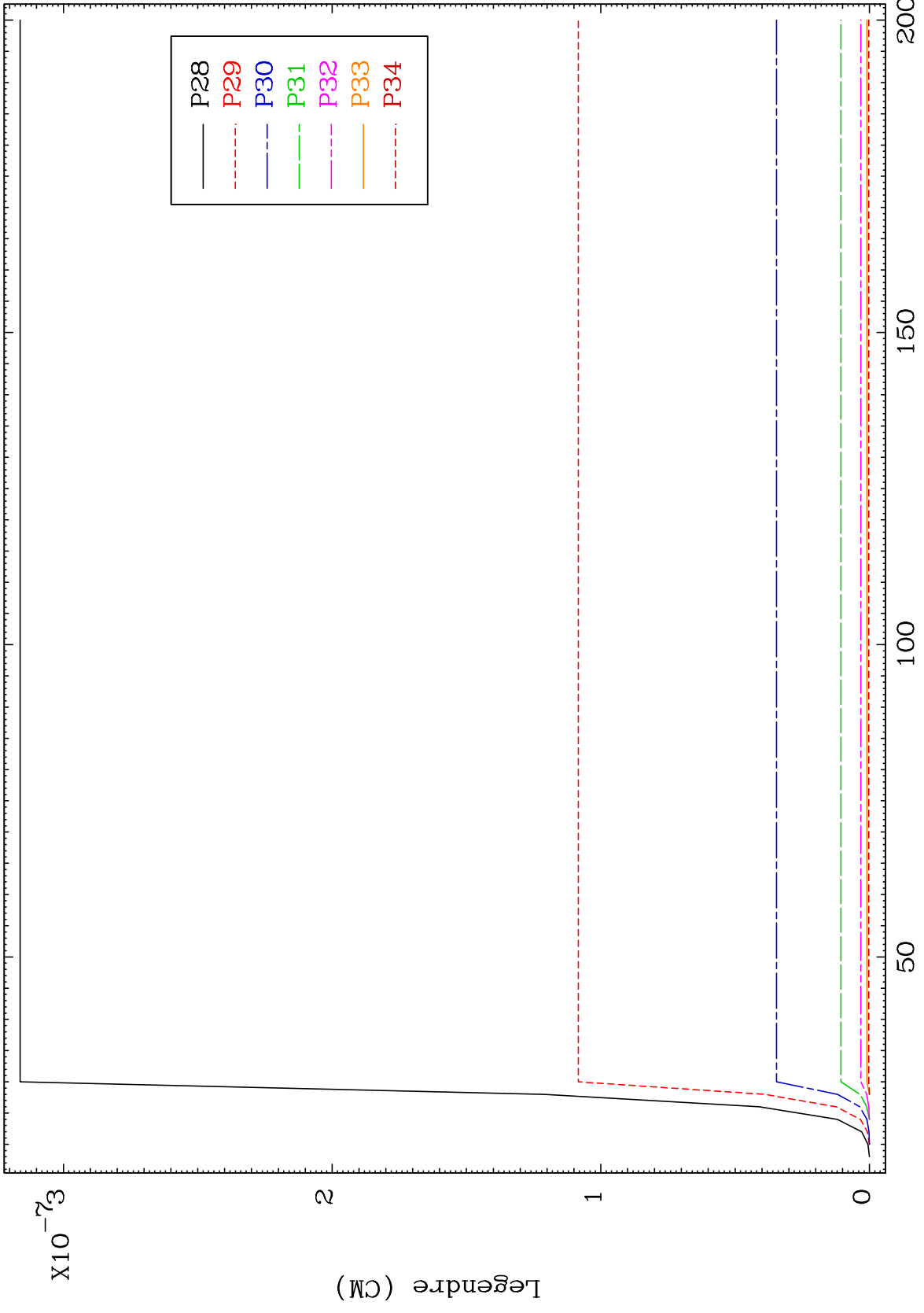
40-Zr-97

MAT 4046 MT= 65 (n,n') Level Legendre Coefficients 40-Zr-97



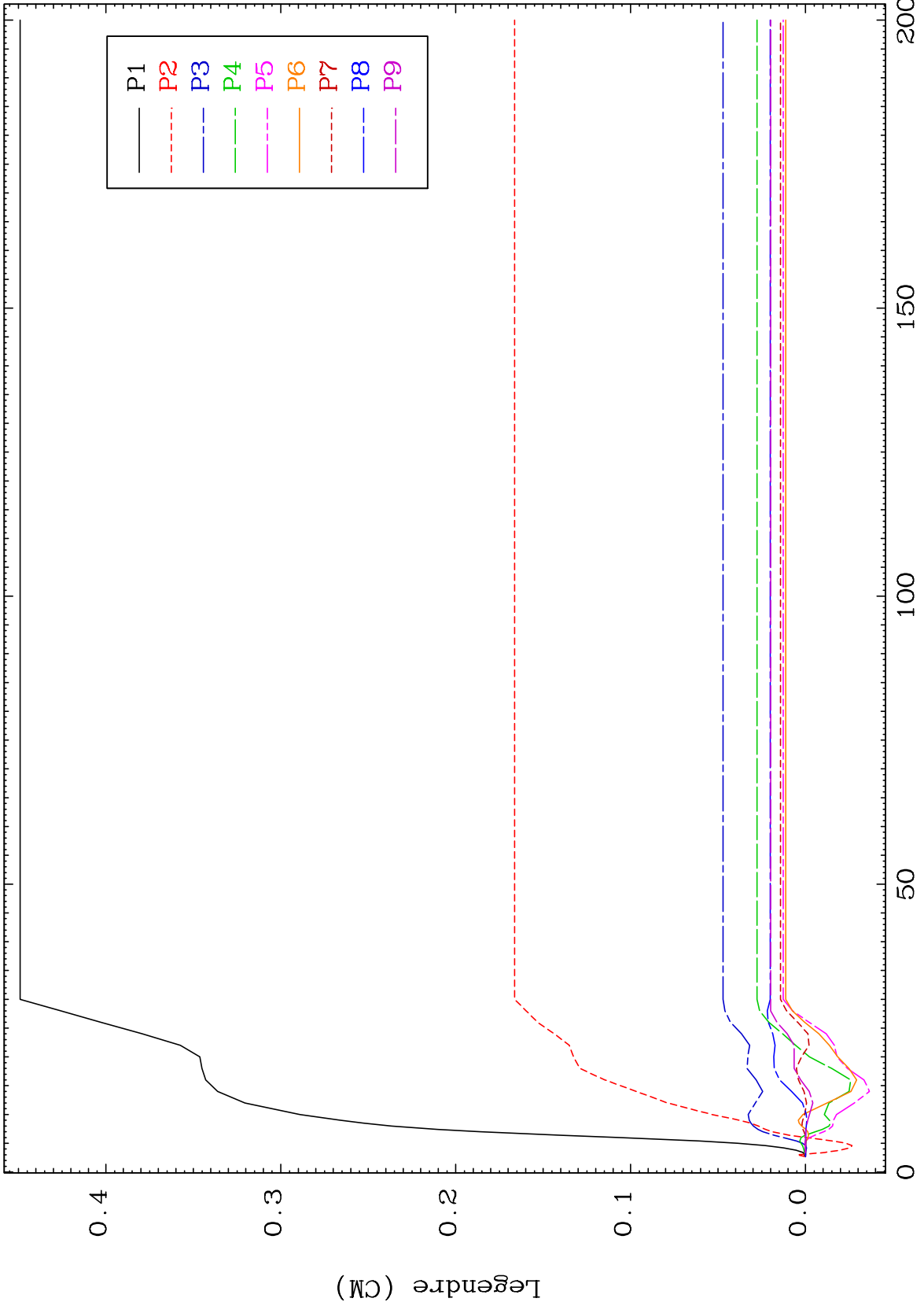
77 40-Zr-97

MAT 4046 MT= 65 (n,n') Level Legendre Coefficients 40-Zr-97



78 150 200 40-Zr-97

MAT 4046 MT= 66 (n,n') Level Legendre Coefficients 40-Zr-97

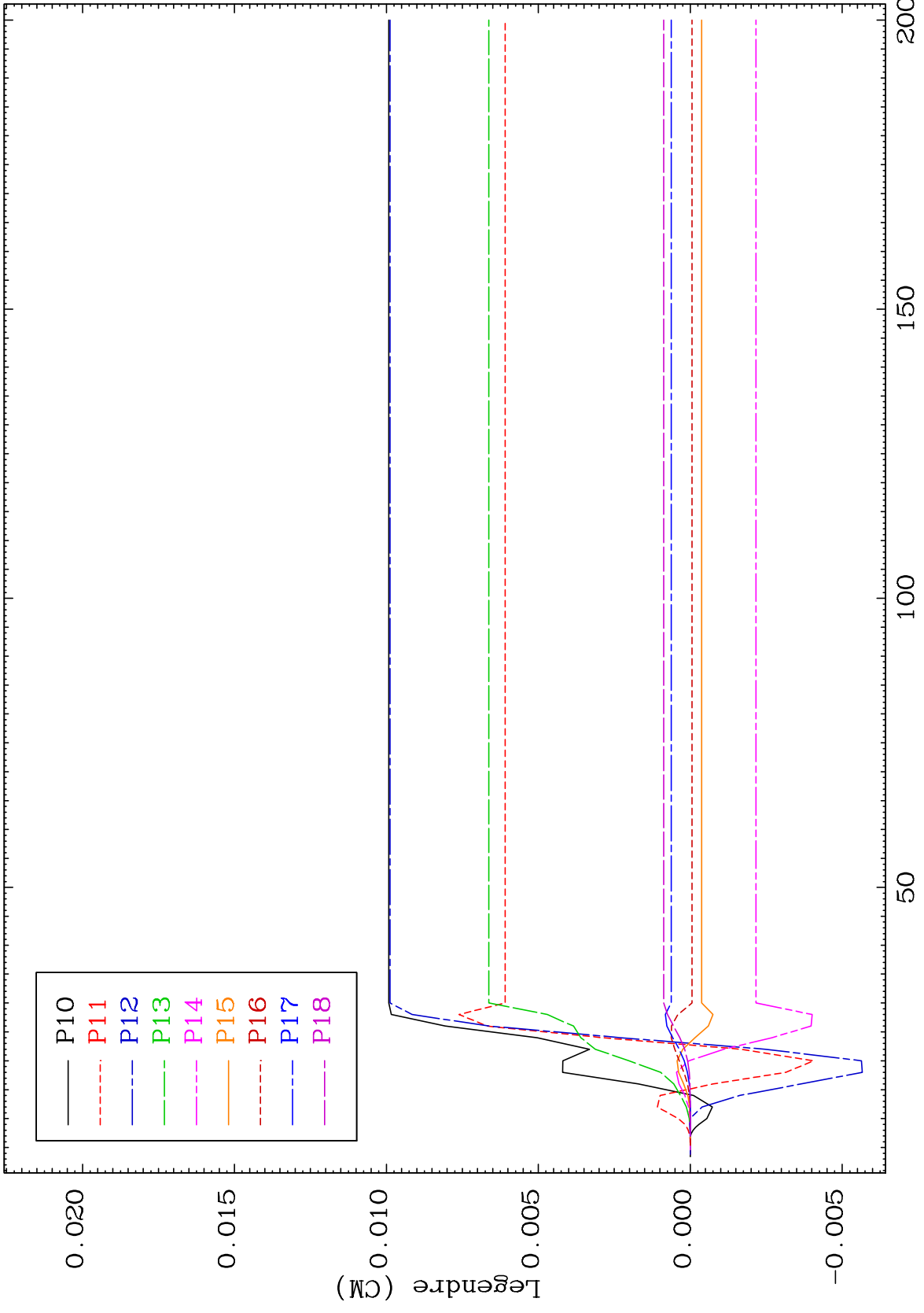


79 Incident Energy (MeV) 40-Zr-97

MAT 4046

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

40-Zr-97



80

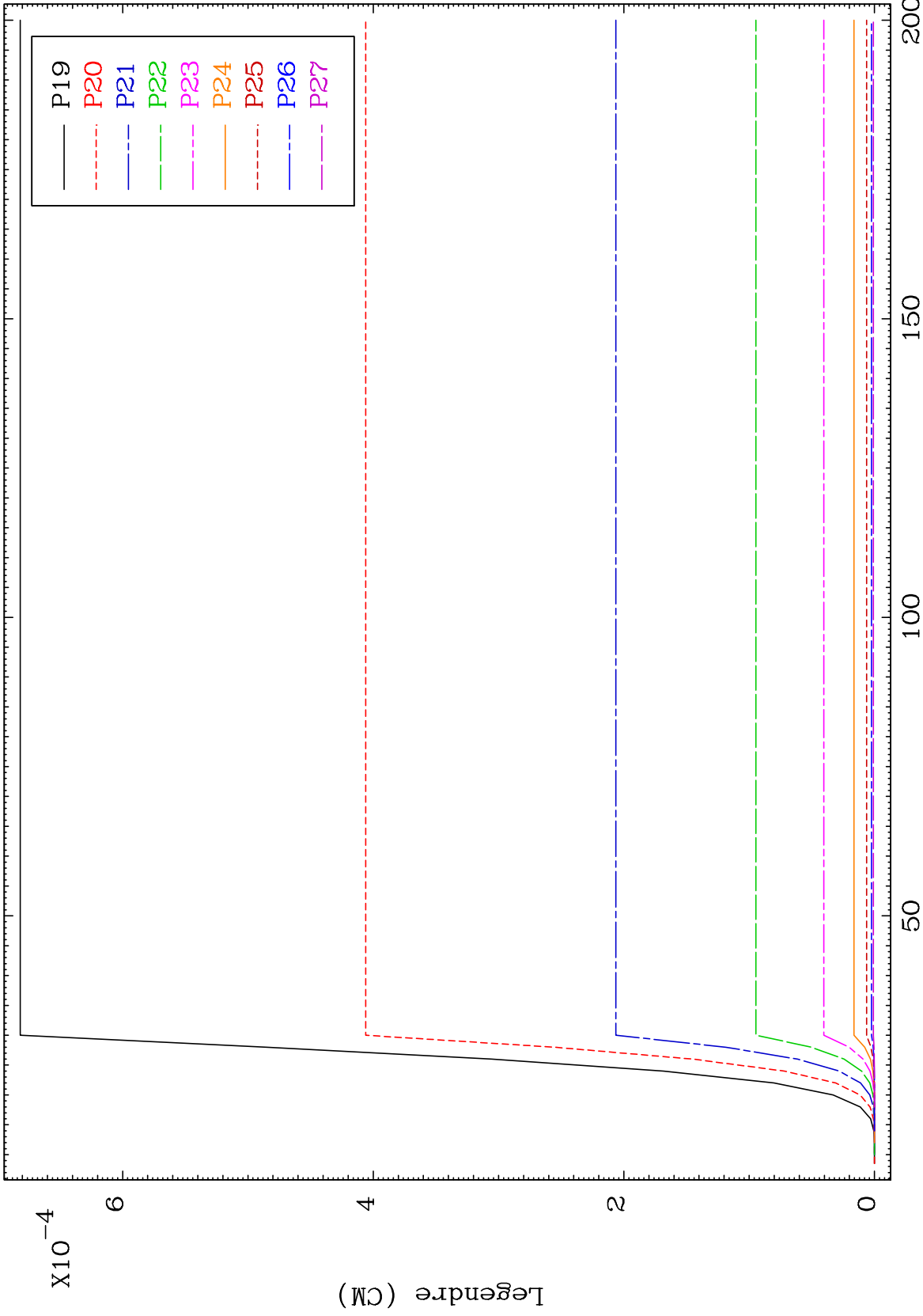
Incident Energy (MeV)

40-Zr-97

MAT 4046

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

40-Zr-97



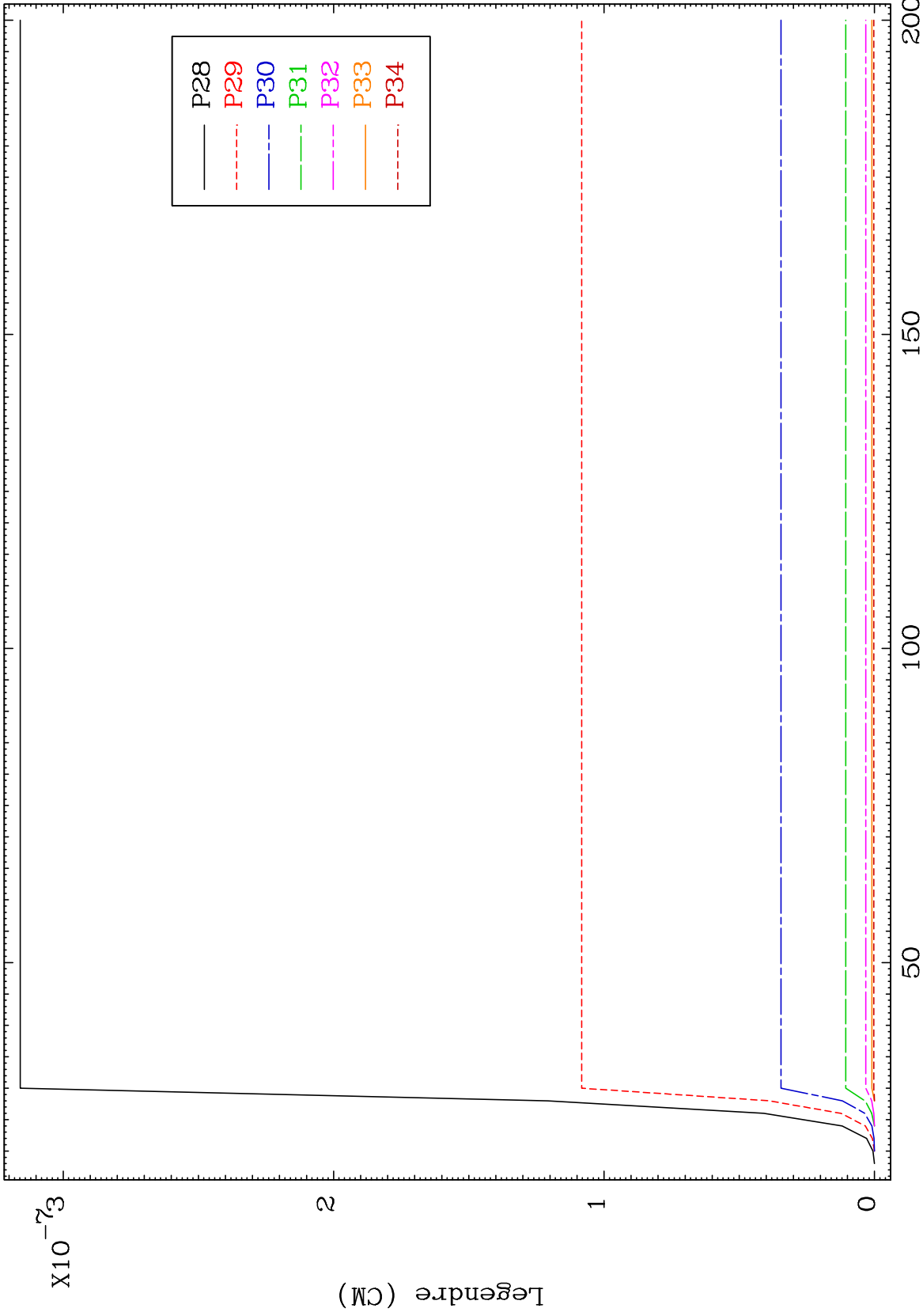
81

40-Zr-97

MAT 4046

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

40-Zr-97

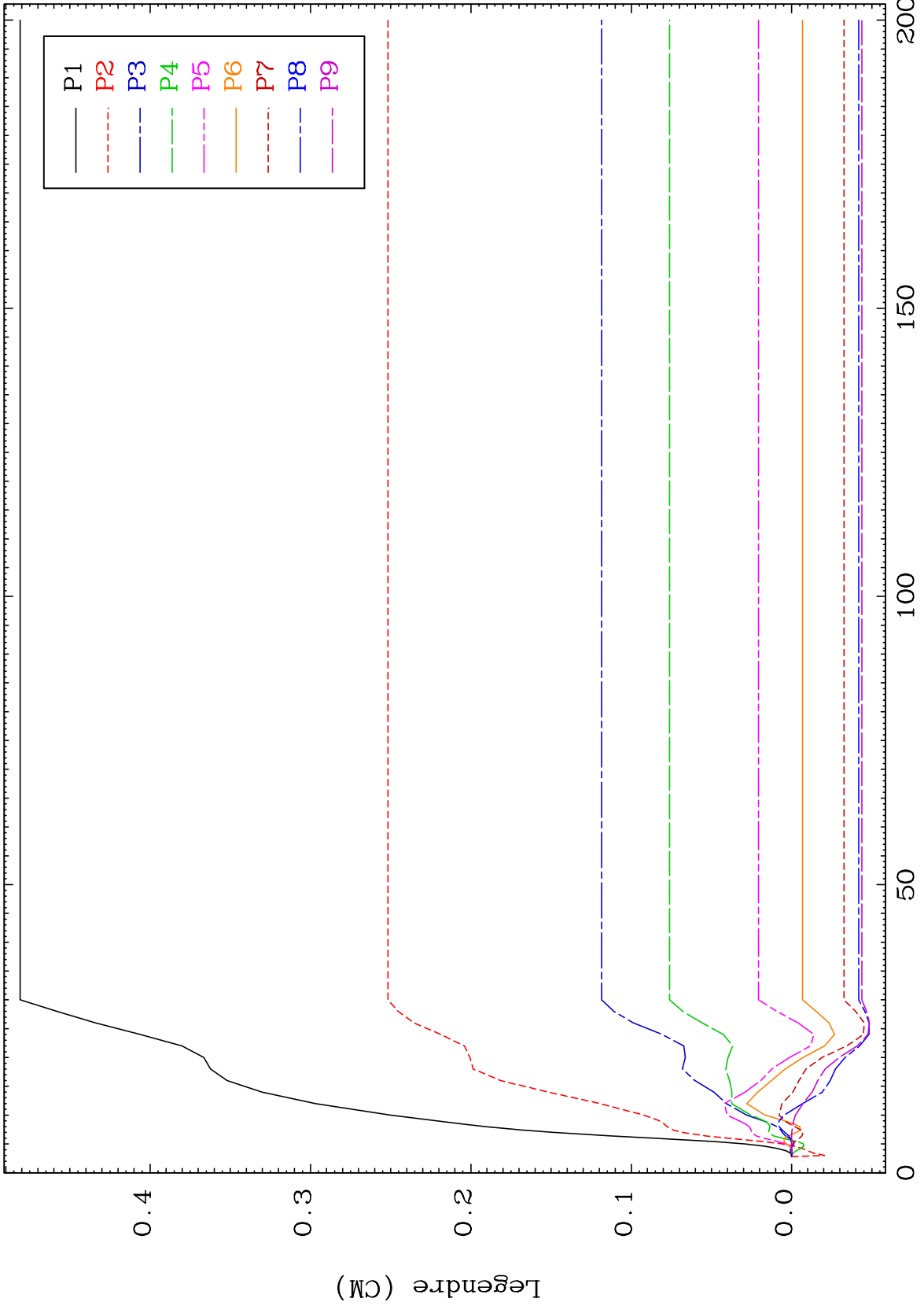


82

Incident Energy (MeV)

40-Zr-97

MAT 4046 MT= 67 (n,n') Level Legendre Coefficients 40-Zr-97

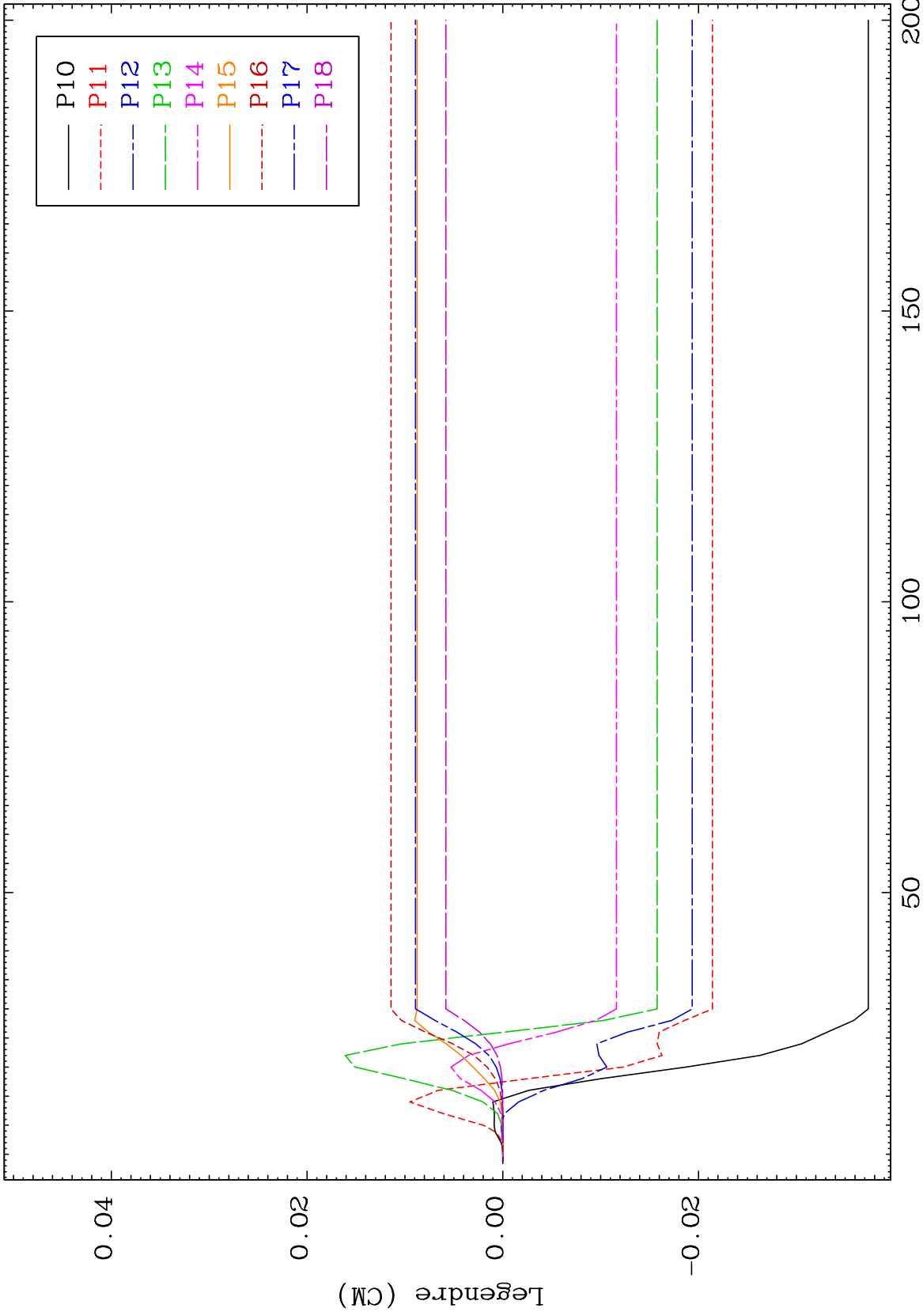


83 40-Zr-97

MAT 4046

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

40-Zr-97

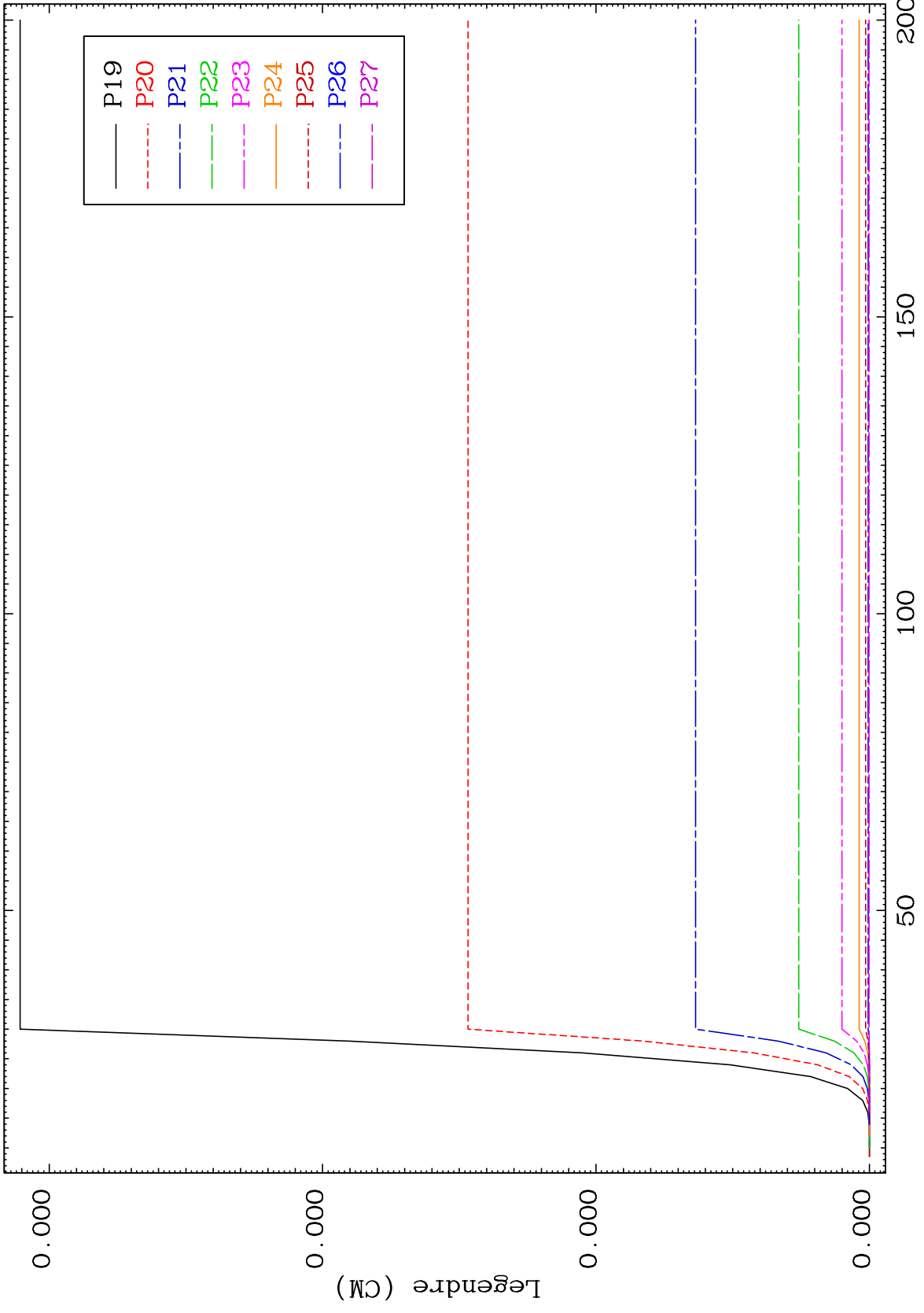


84

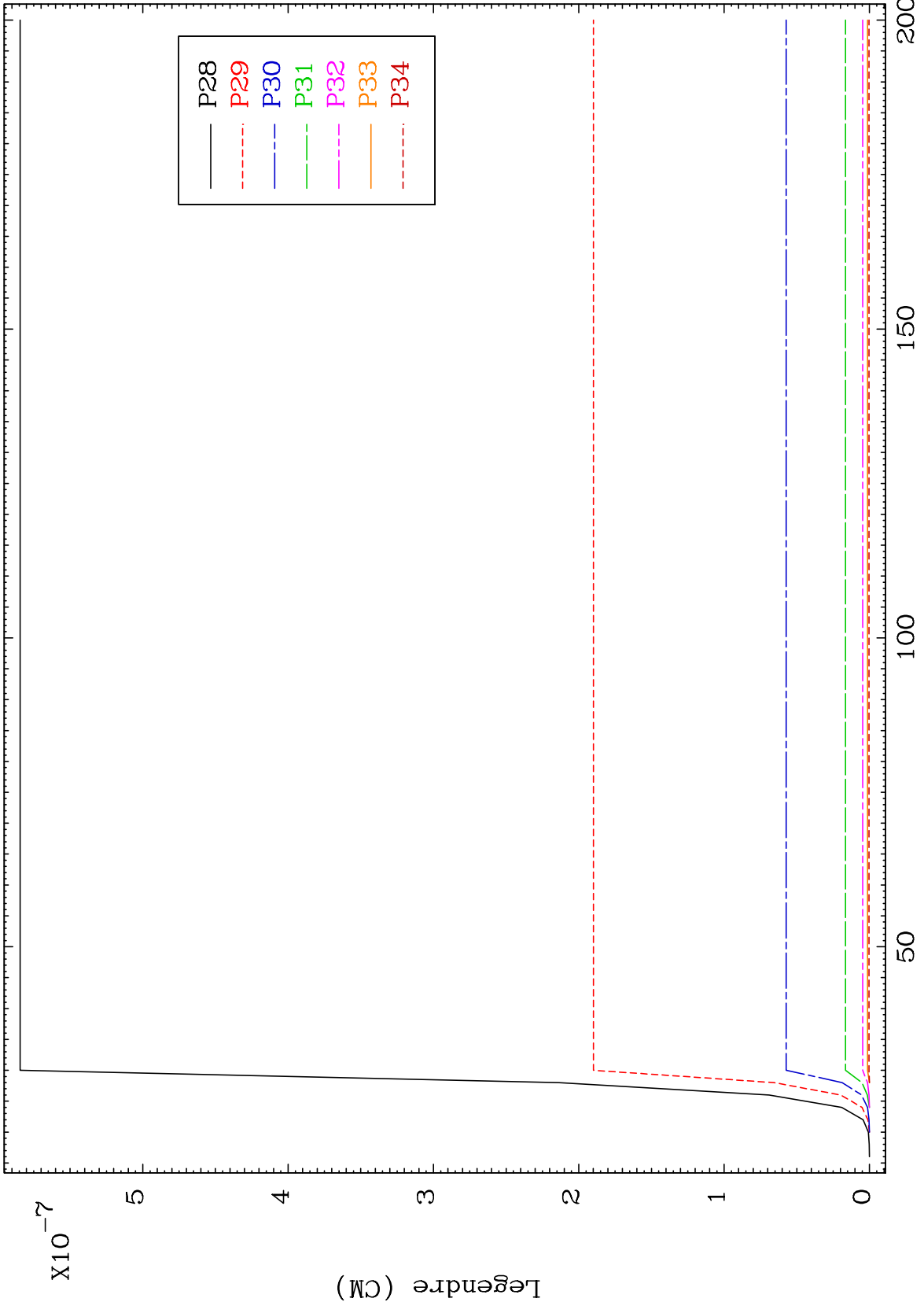
Incident Energy (MeV)

40-Zr-97

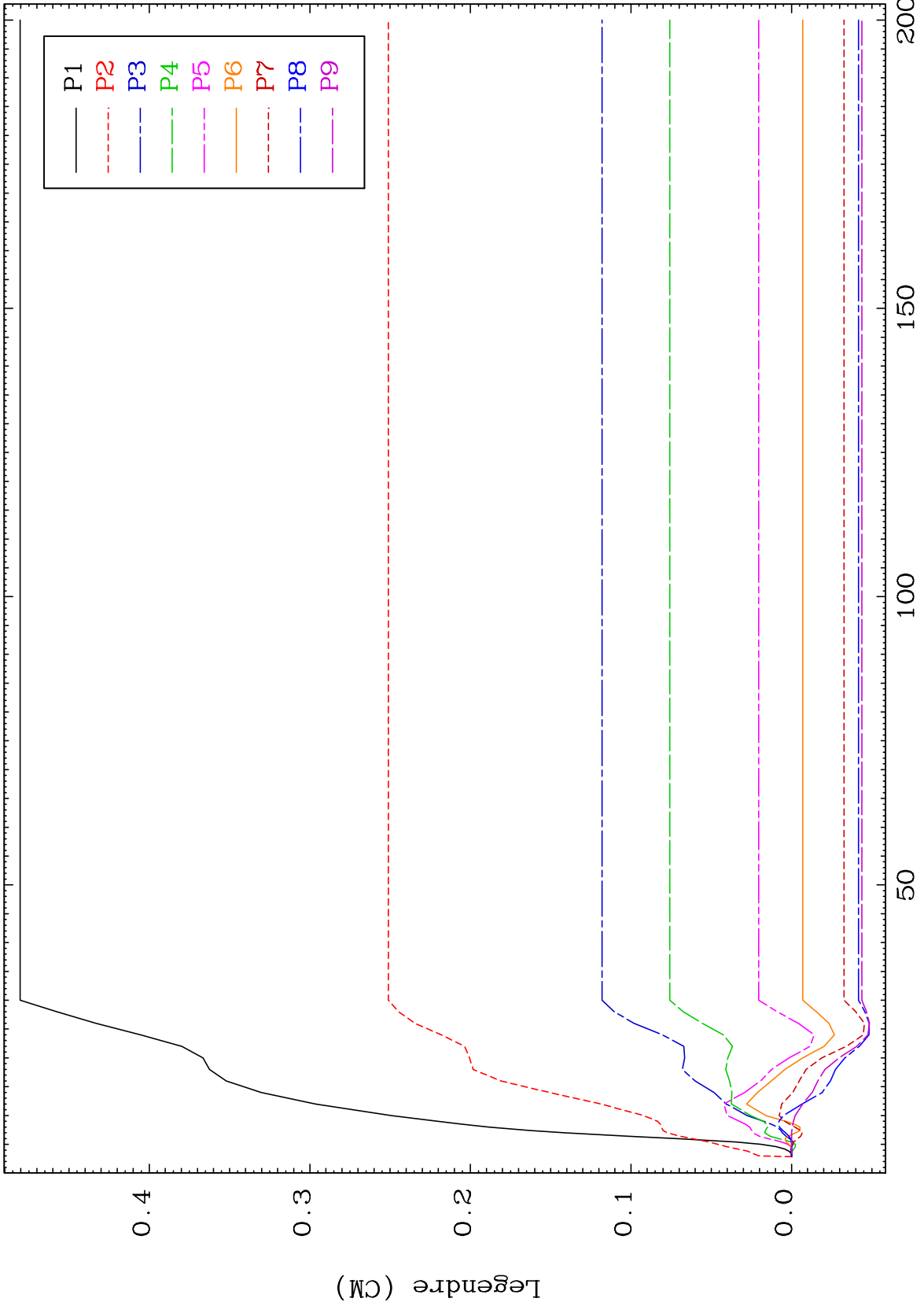
MAT 4046 MT= 67 (n,n') Level Legendre Coefficients 40-Zr-97



MAT 4046 MT= 67 (n,n') Level Legendre Coefficients 40-Zr-97



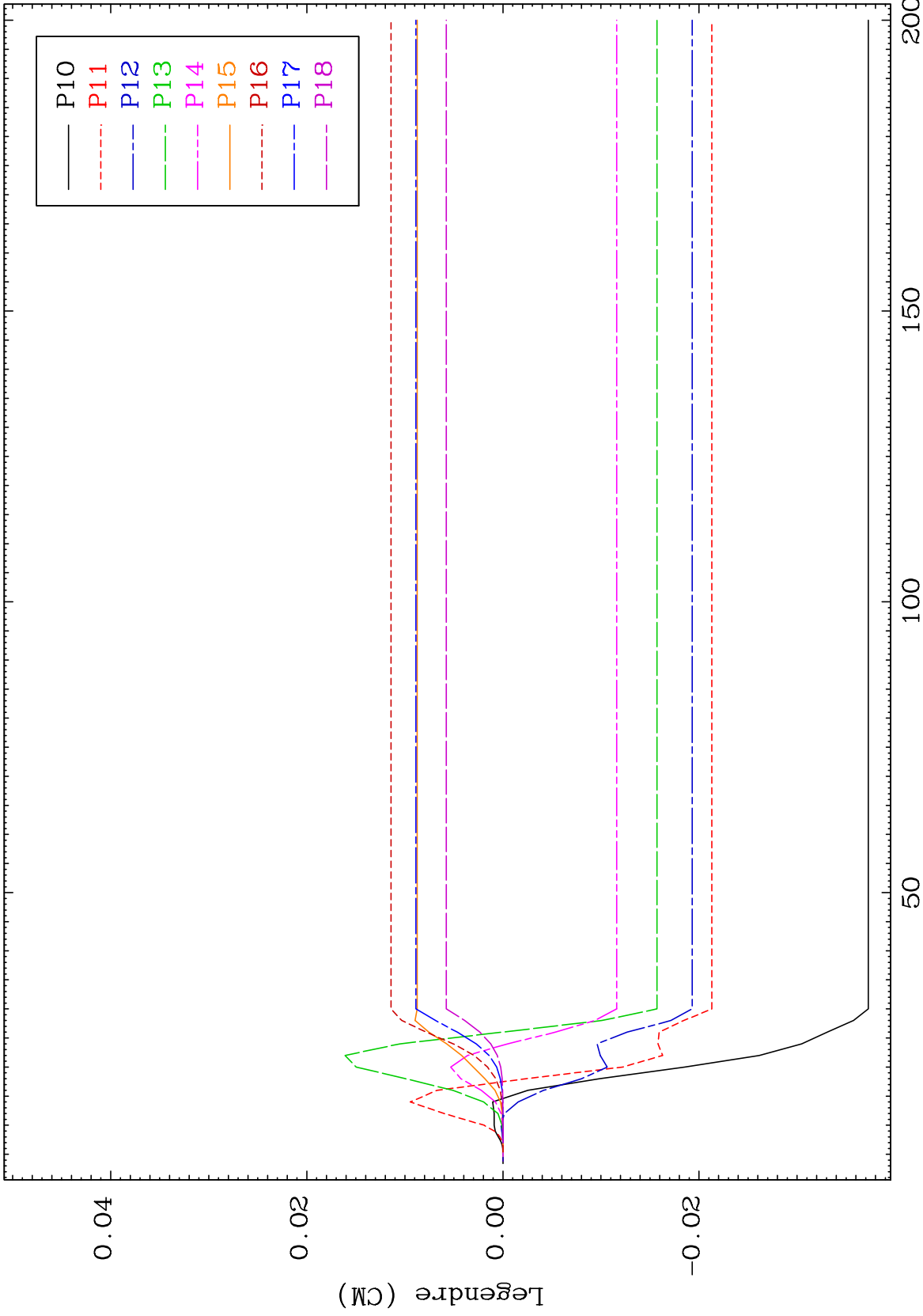
MAT 4046 MT= 68 (n,n') Level Legendre Coefficients 40-Zr-97



MAT 4046

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

40-Zr-97

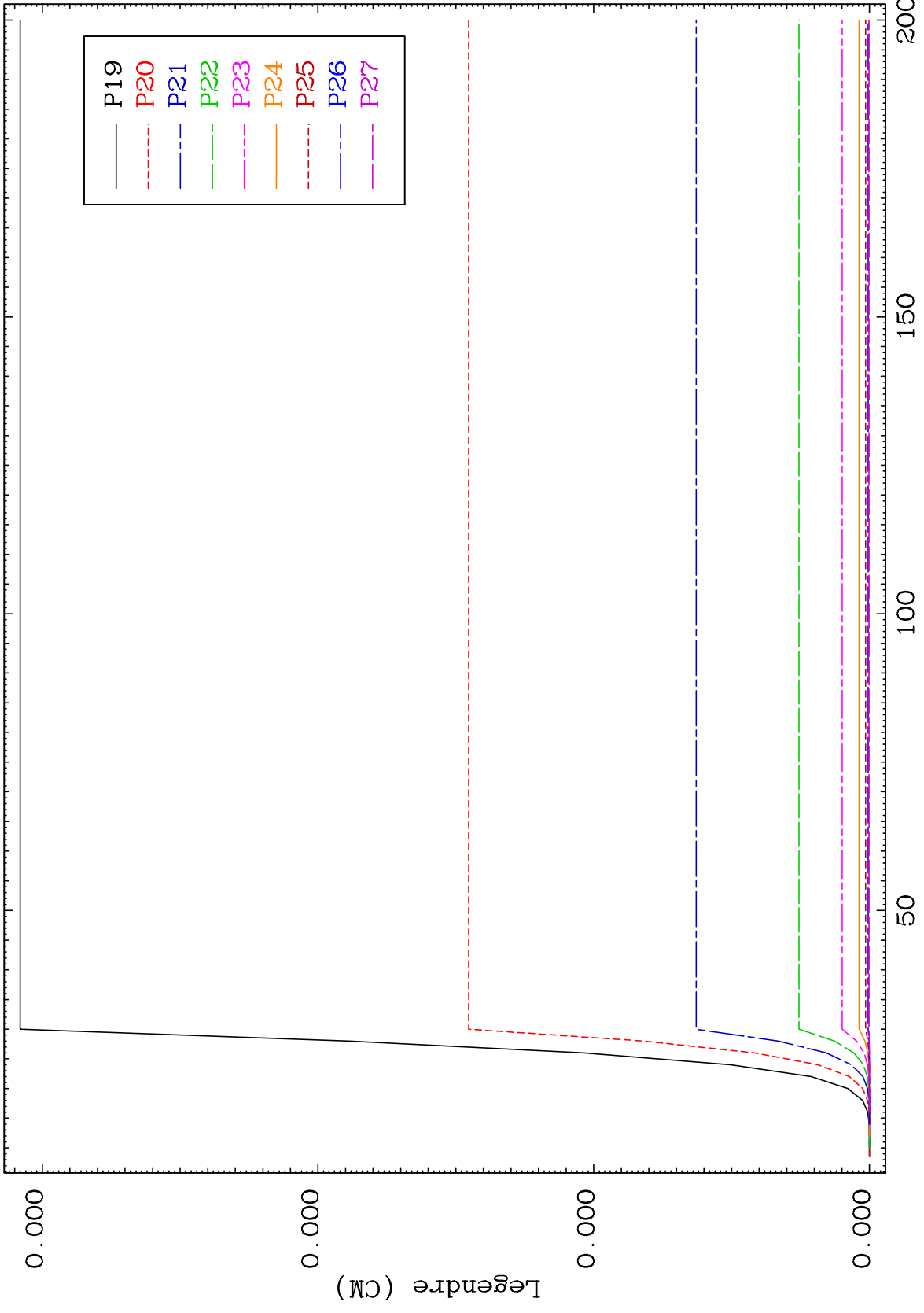


88

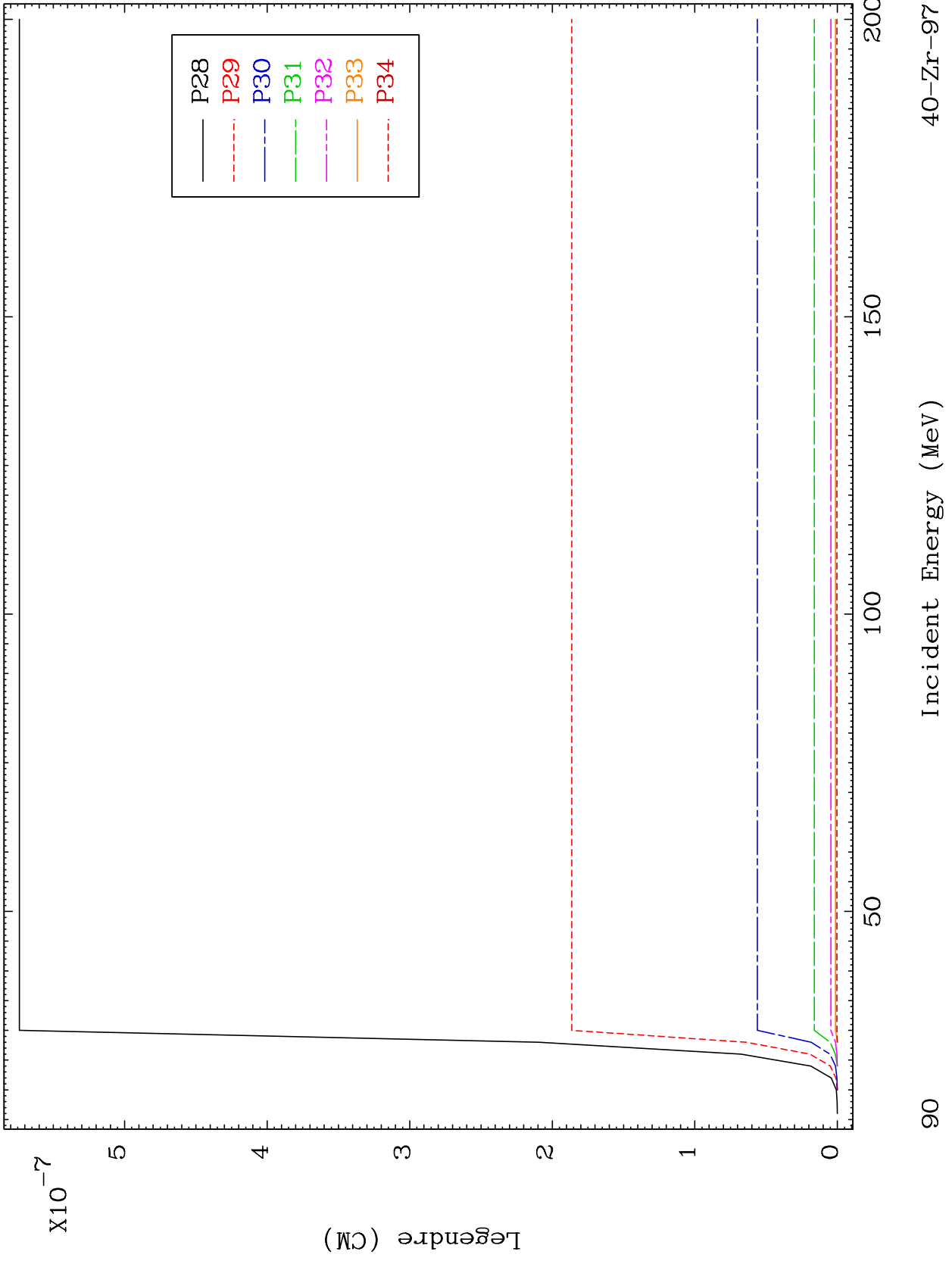
Incident Energy (MeV)

40-Zr-97

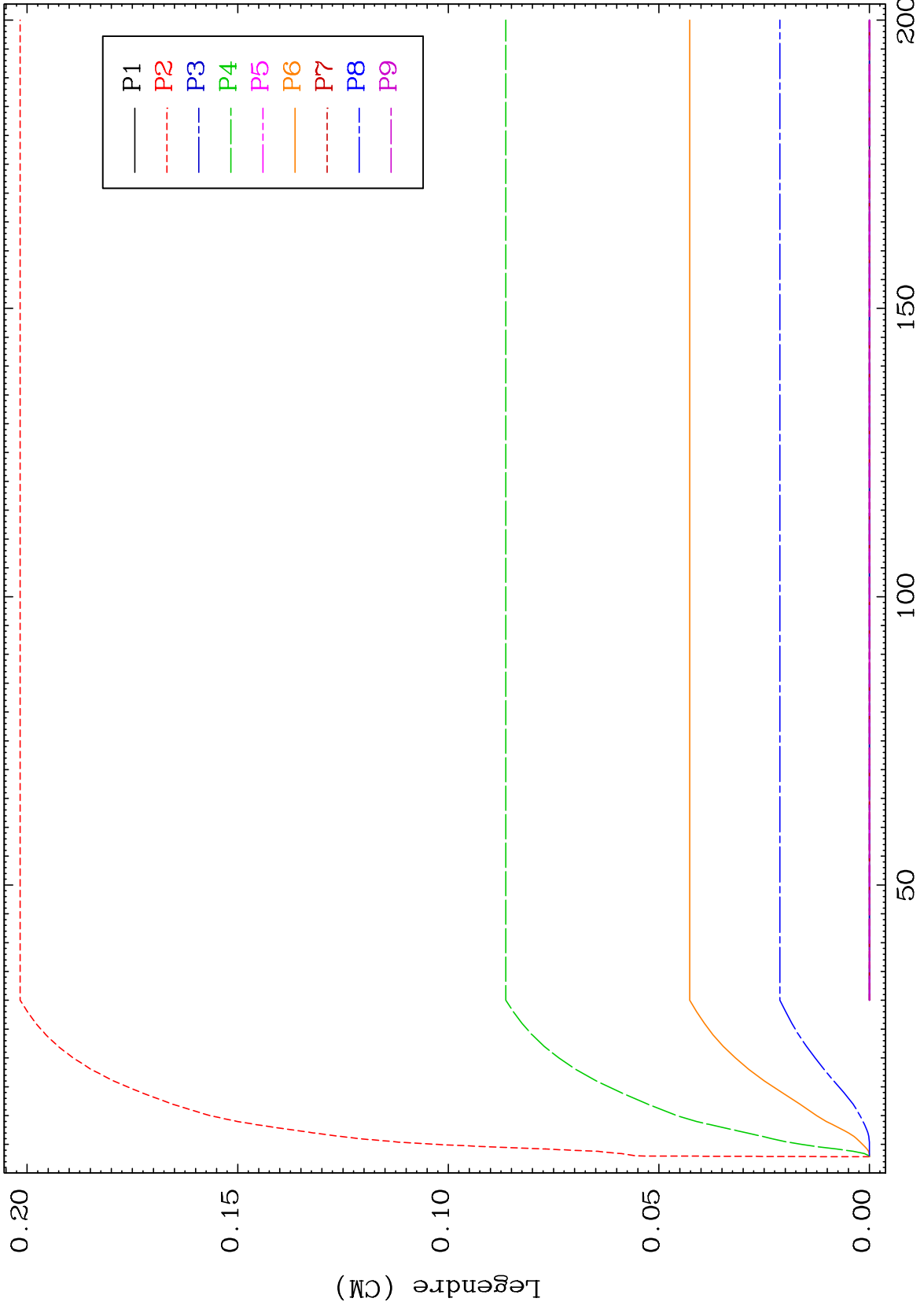
MAT 4046 MT= 68 (n,n') Level Legendre Coefficients 40-Zr-97



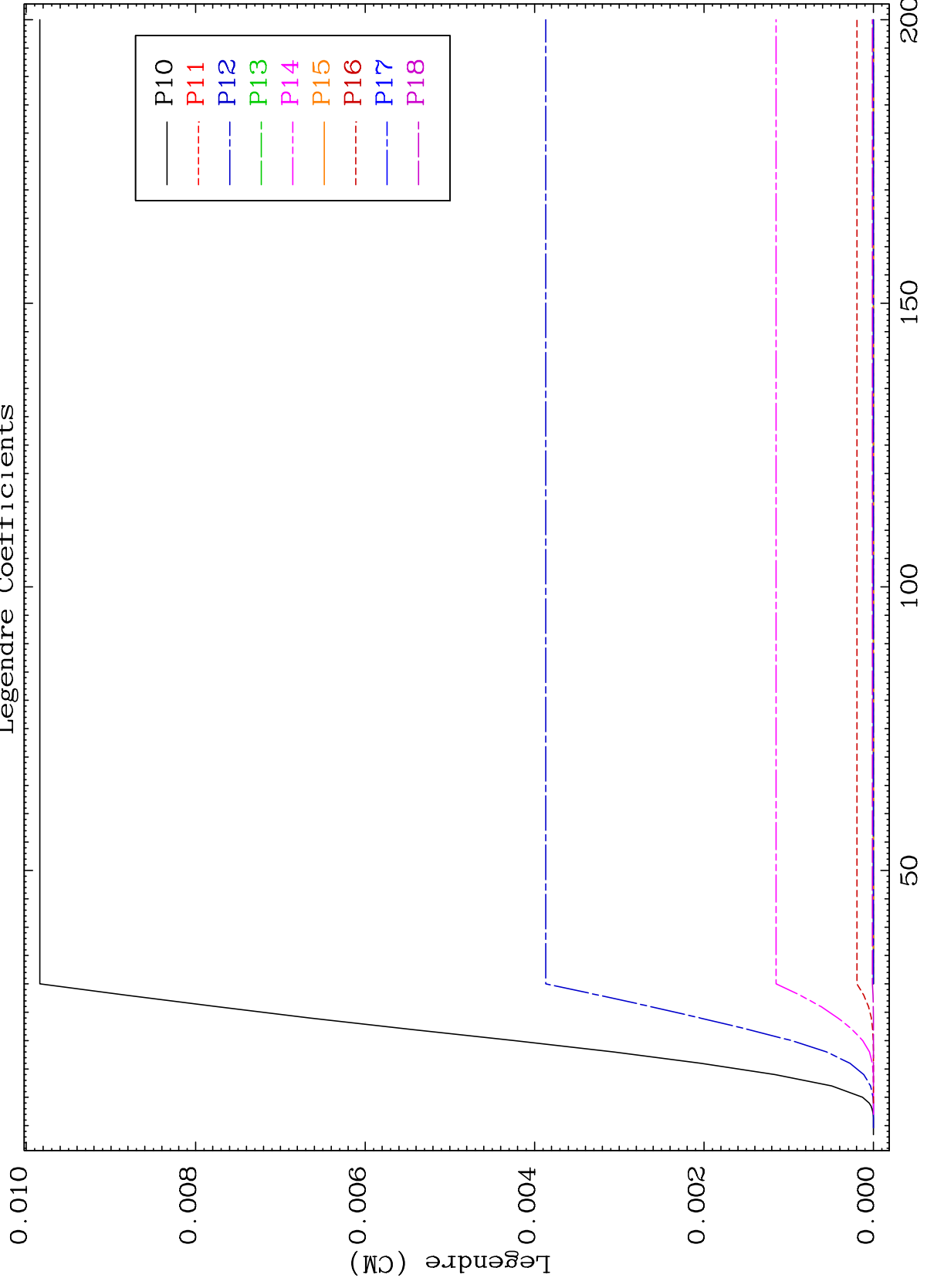
MAT 4046 MT= 68 (n,n') Level Legendre Coefficients 40-Zr-97



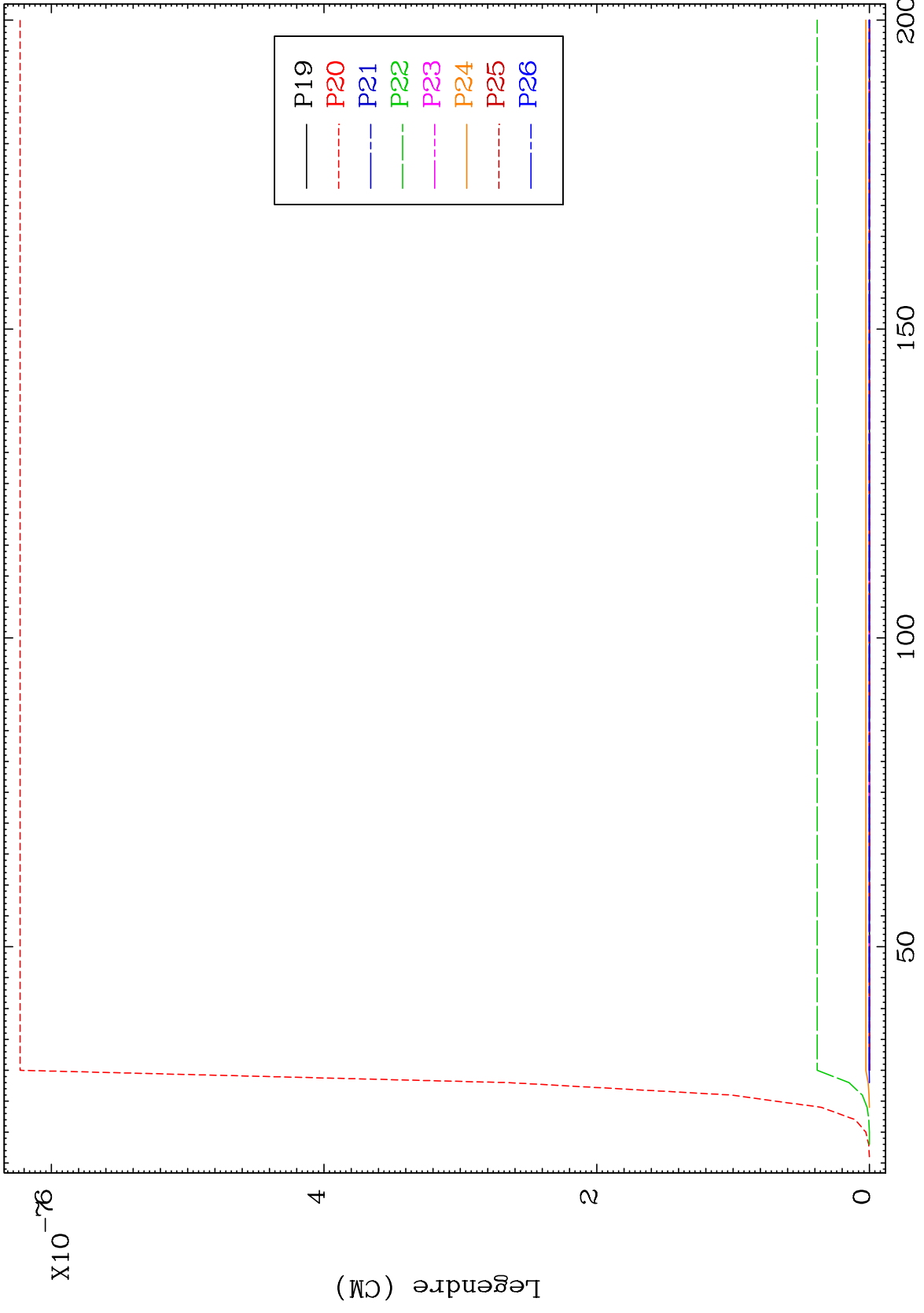
MAT 4046 MT= 69 (n,n') Level Legendre Coefficients 40-Zr-97



MAT 4046 MT= 69 (n,n') Level Legendre Coefficients 40-Zr-97

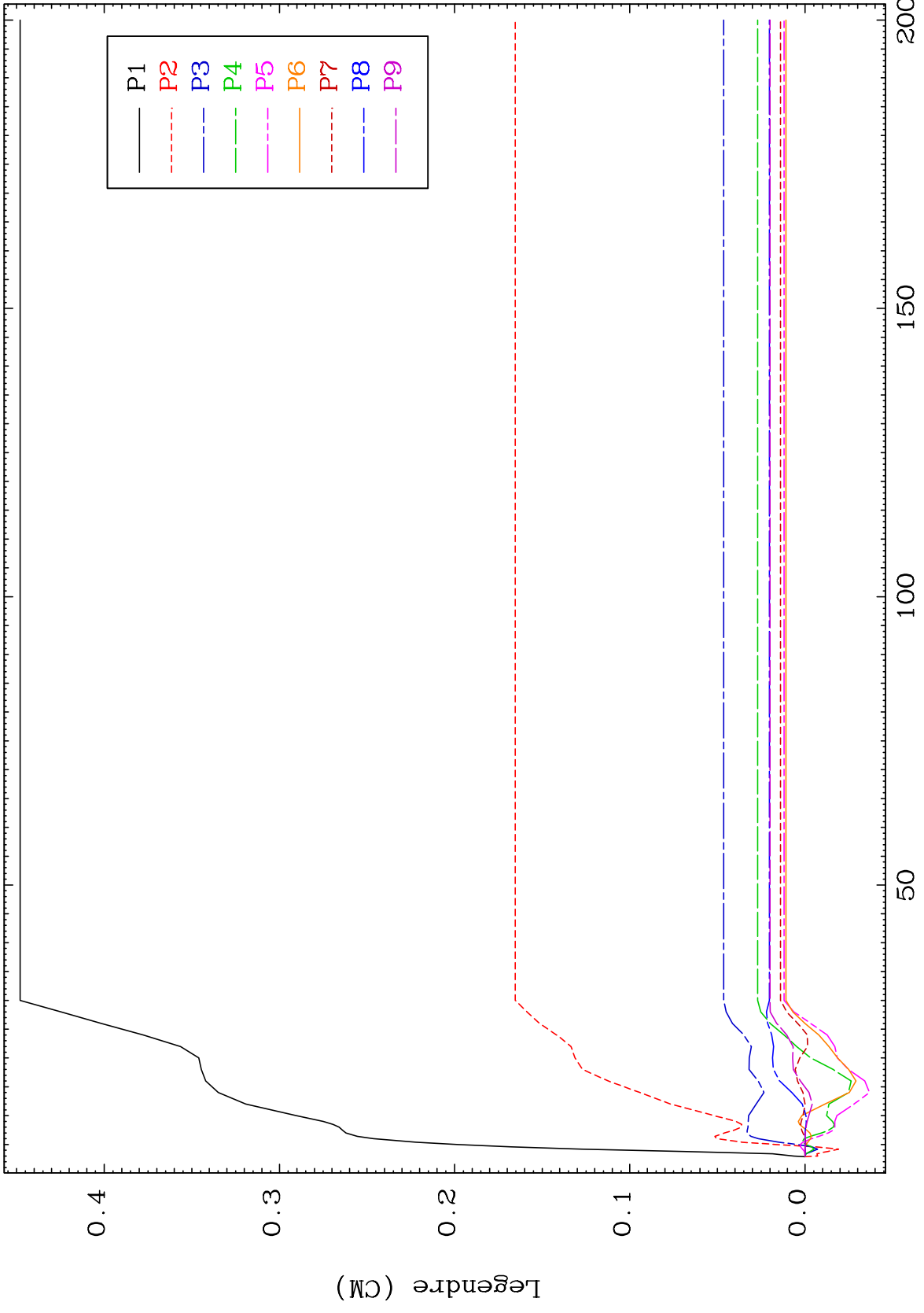


MAT 4046 MT= 69 (n,n') Level Legendre Coefficients 40-Zr-97



93 40-Zr-97

MAT 4046 MT= 70 (n,n') Level Legendre Coefficients 40-Zr-97

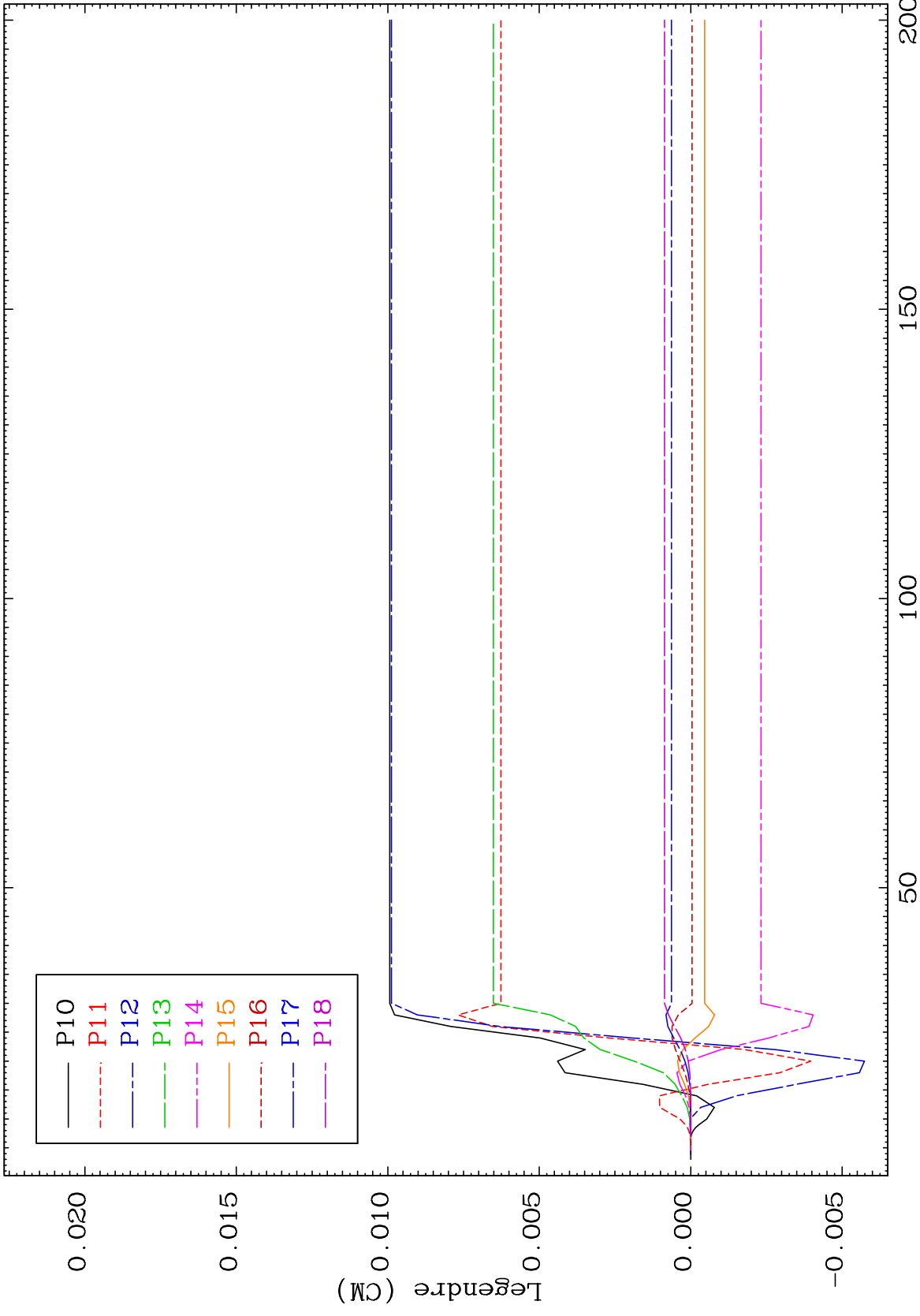


94 40-Zr-97

MAT 4046

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

40-Zr-97

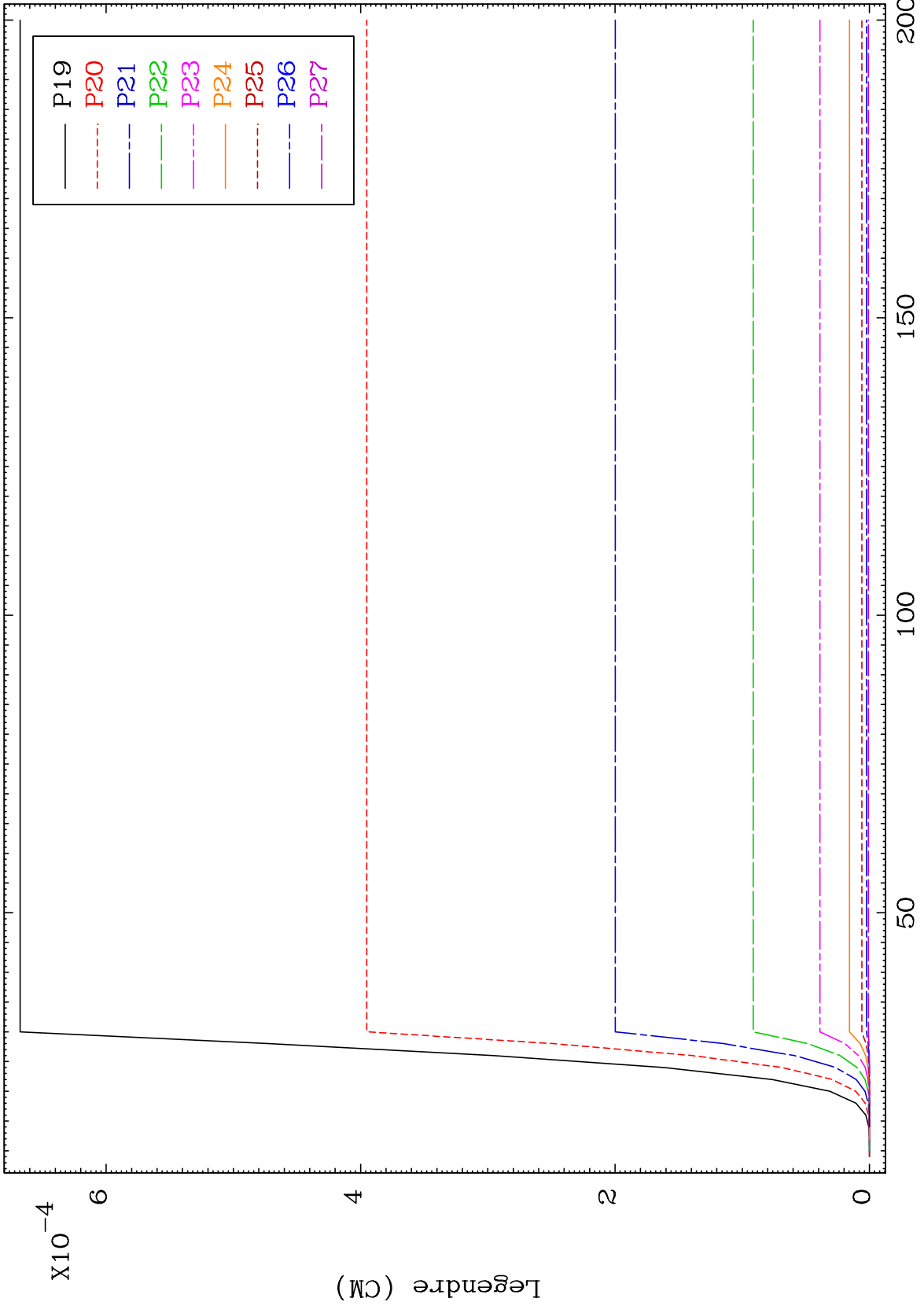


95

Incident Energy (MeV)

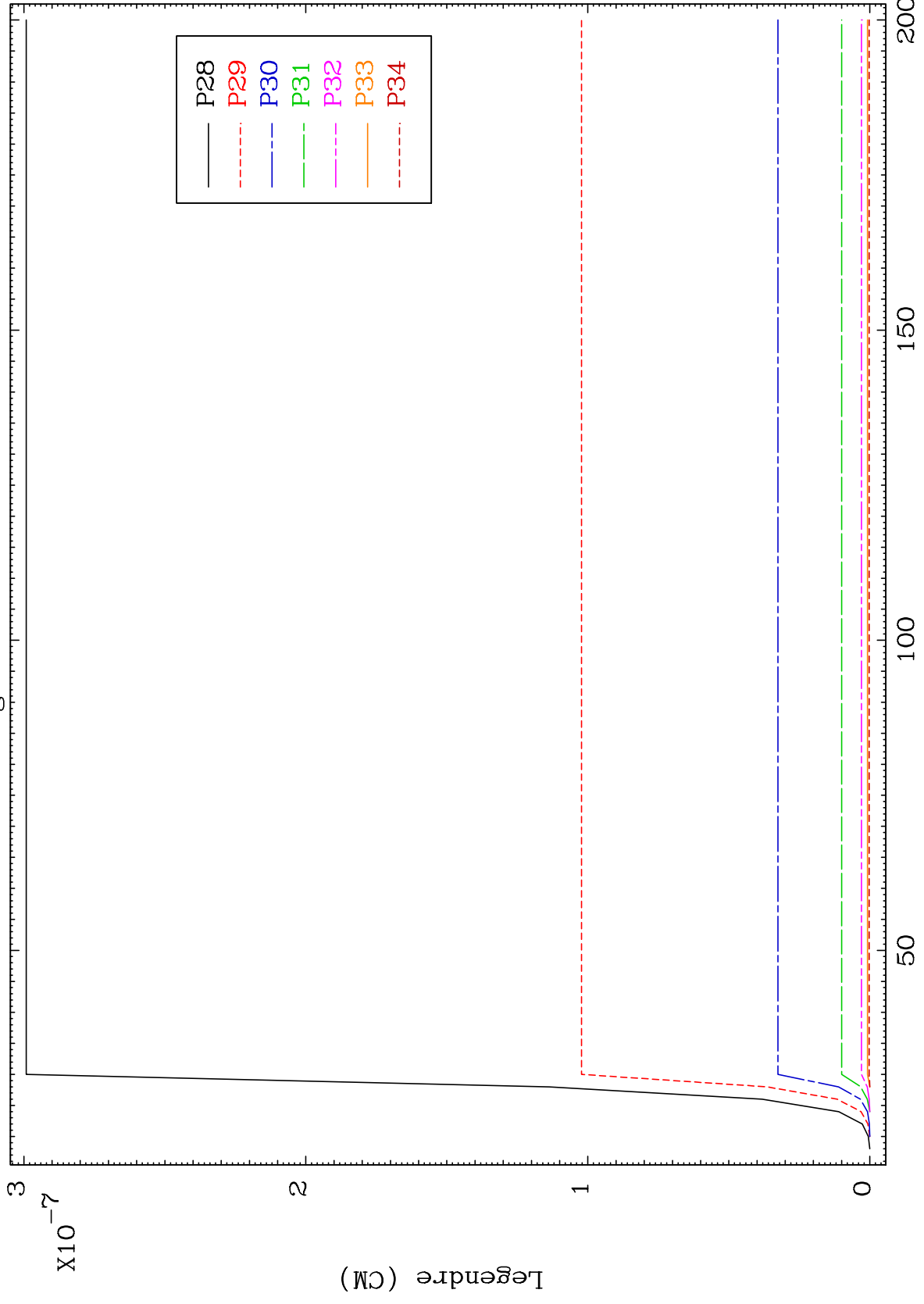
40-Zr-97

MAT 4046 MT= 70 (n,n') Level Legendre Coefficients 40-Zr-97



96 40-Zr-97

MAT 4046 MT= 70 (n,n') Level Legendre Coefficients 40-Zr-97

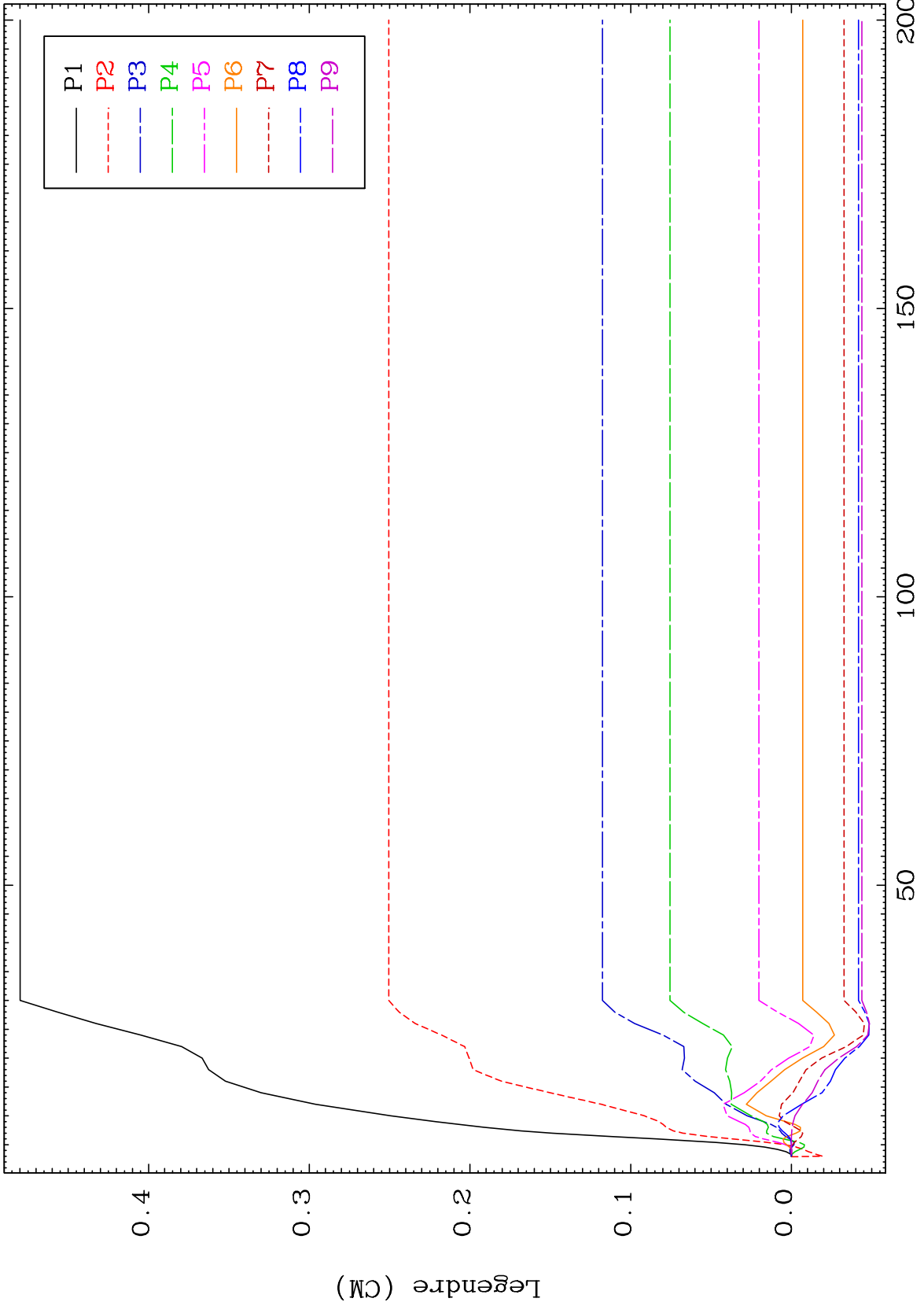


97

Incident Energy (MeV)

40-Zr-97

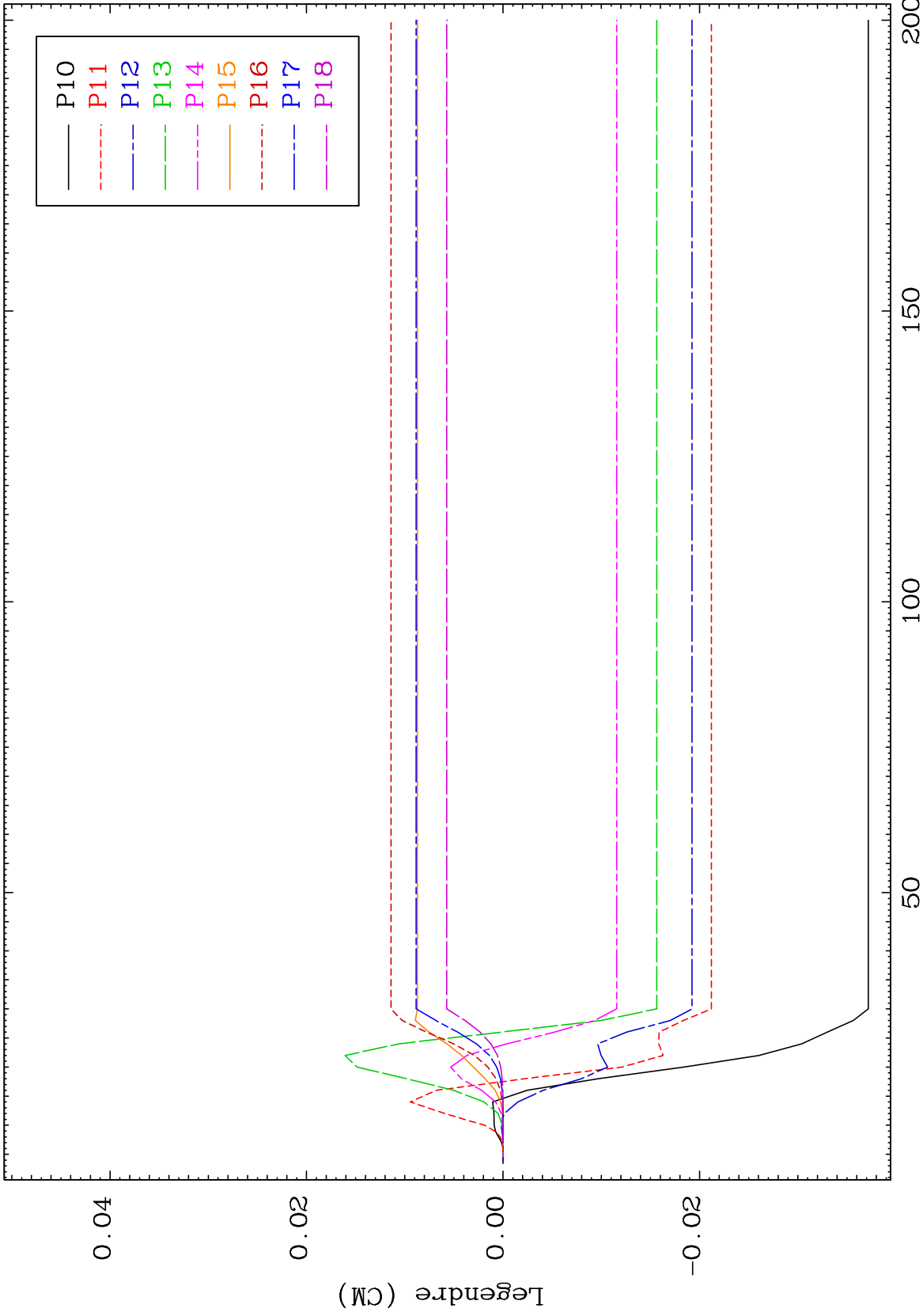
MAT 4046 MT= 71 (n,n') Level Legendre Coefficients 40-Zr-97



MAT 4046

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

40-Zr-97

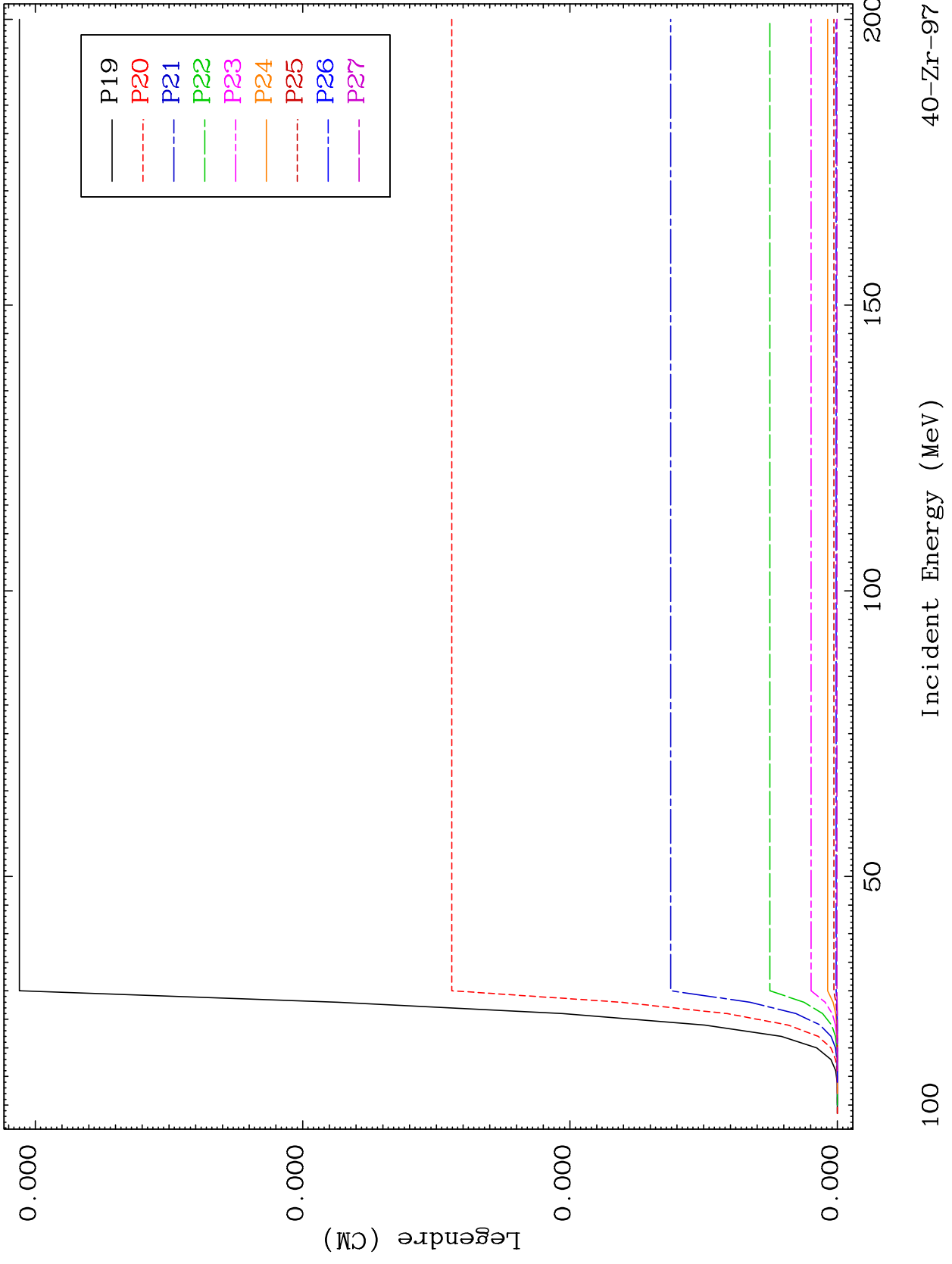


99

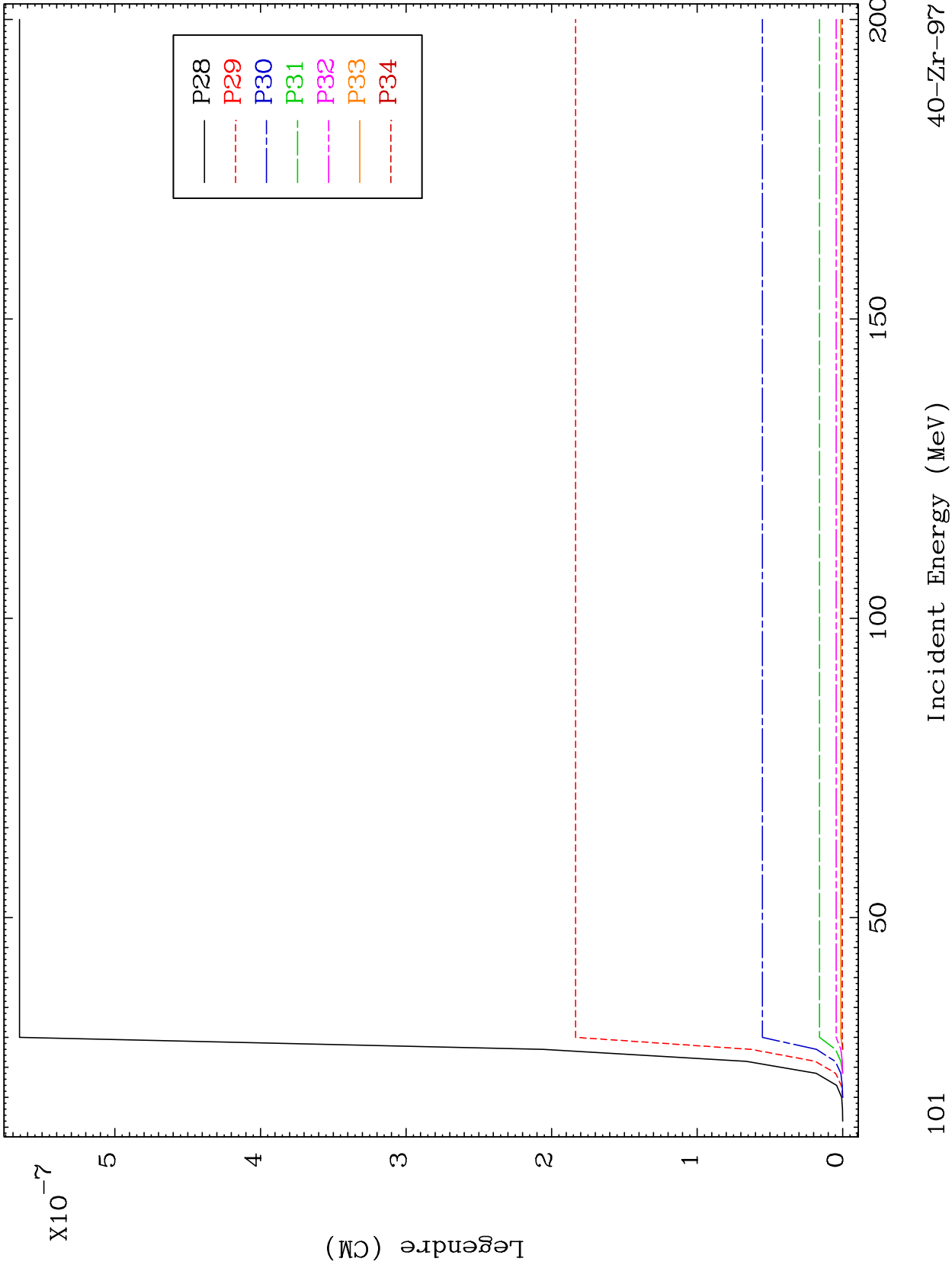
Incident Energy (MeV)

40-Zr-97

MAT 4046 MT= 71 (n,n') Level Legendre Coefficients 40-Zr-97



MAT 4046 MT= 71 (n,n') Level Legendre Coefficients 40-Zr-97

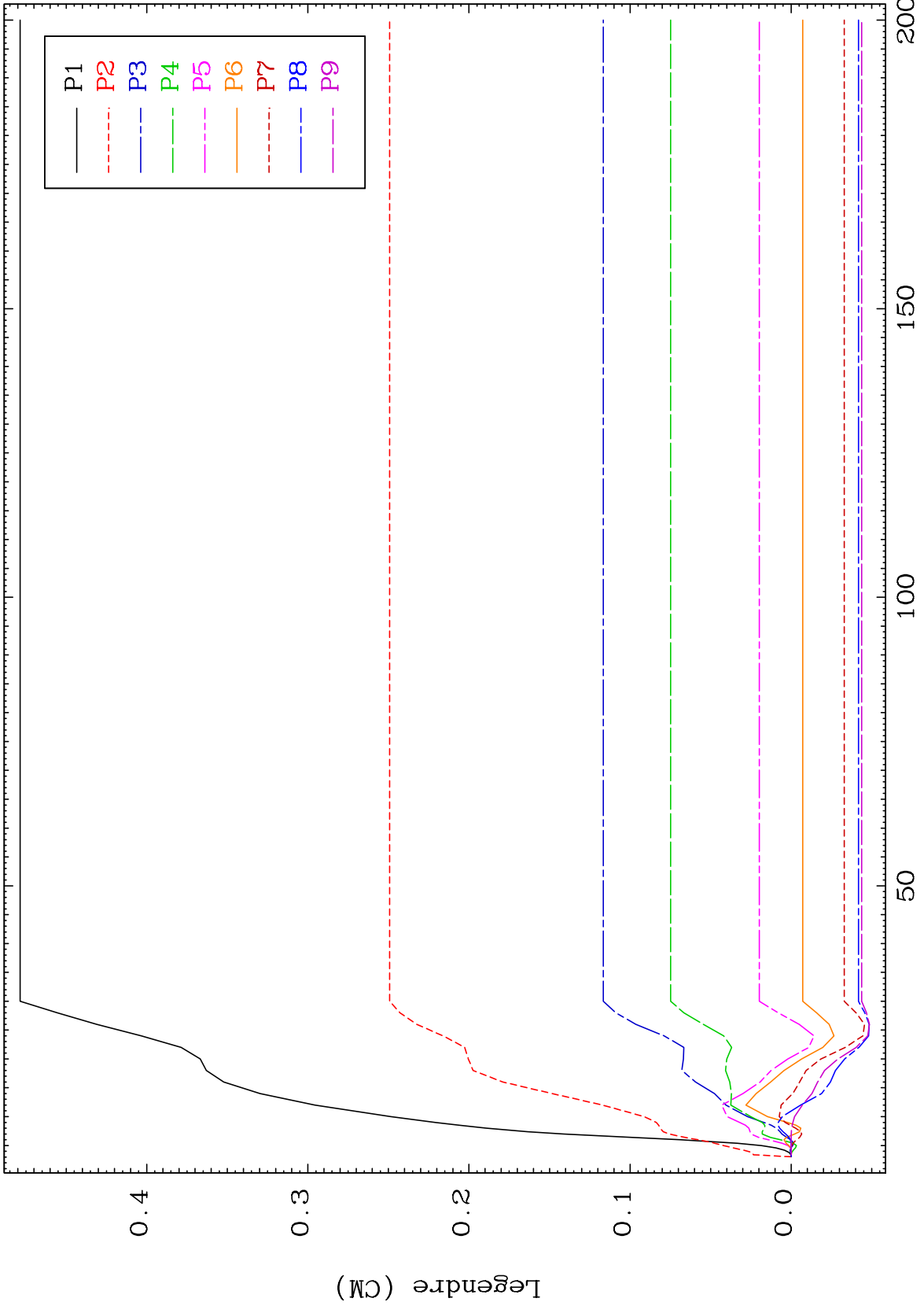


101

Incident Energy (MeV)

40-Zr-97

MAT 4046 MT= 72 (n,n') Level Legendre Coefficients 40-Zr-97

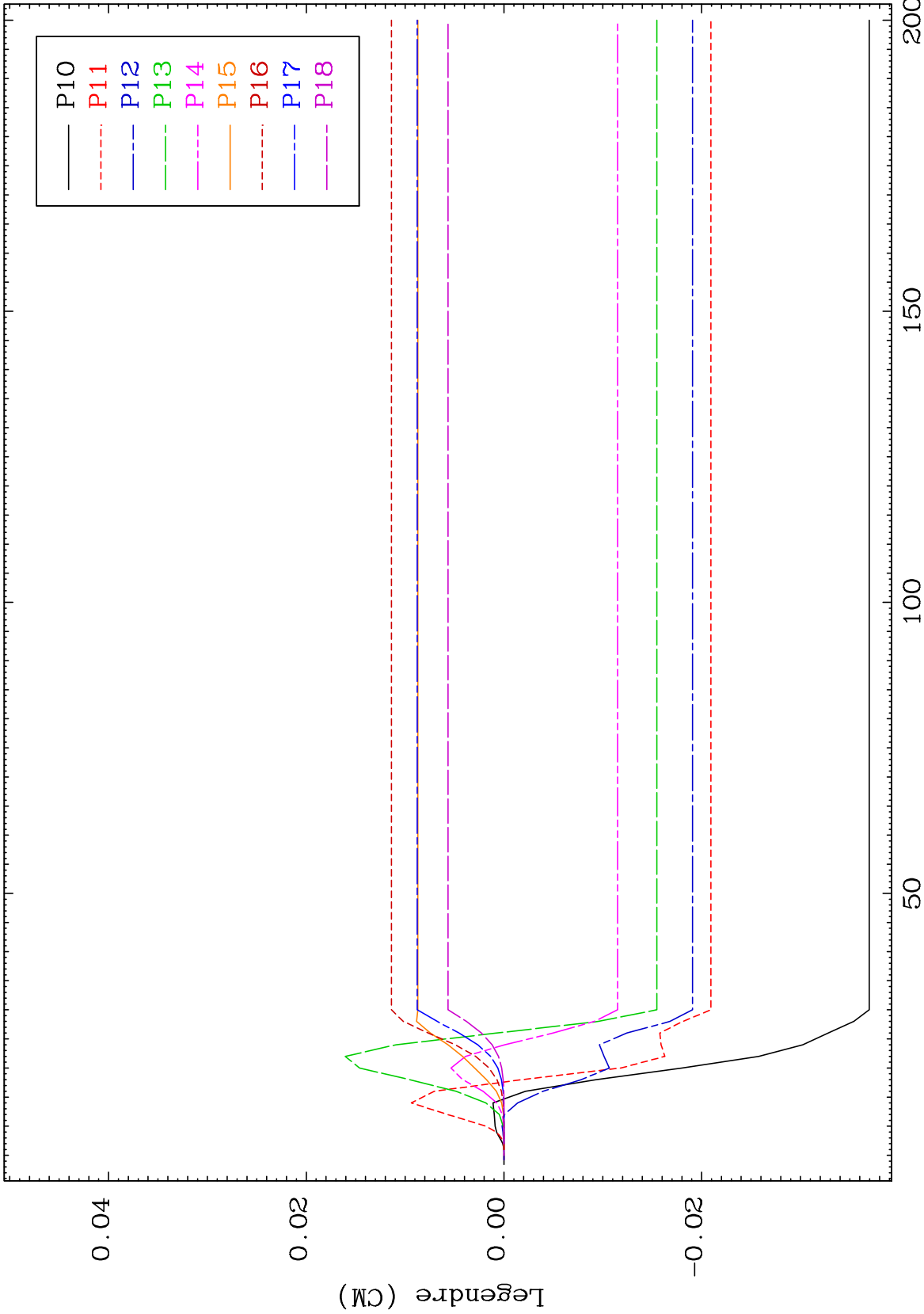


102 Incident Energy (MeV) 40-Zr-97

MAT 4046

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

40-Zr-97

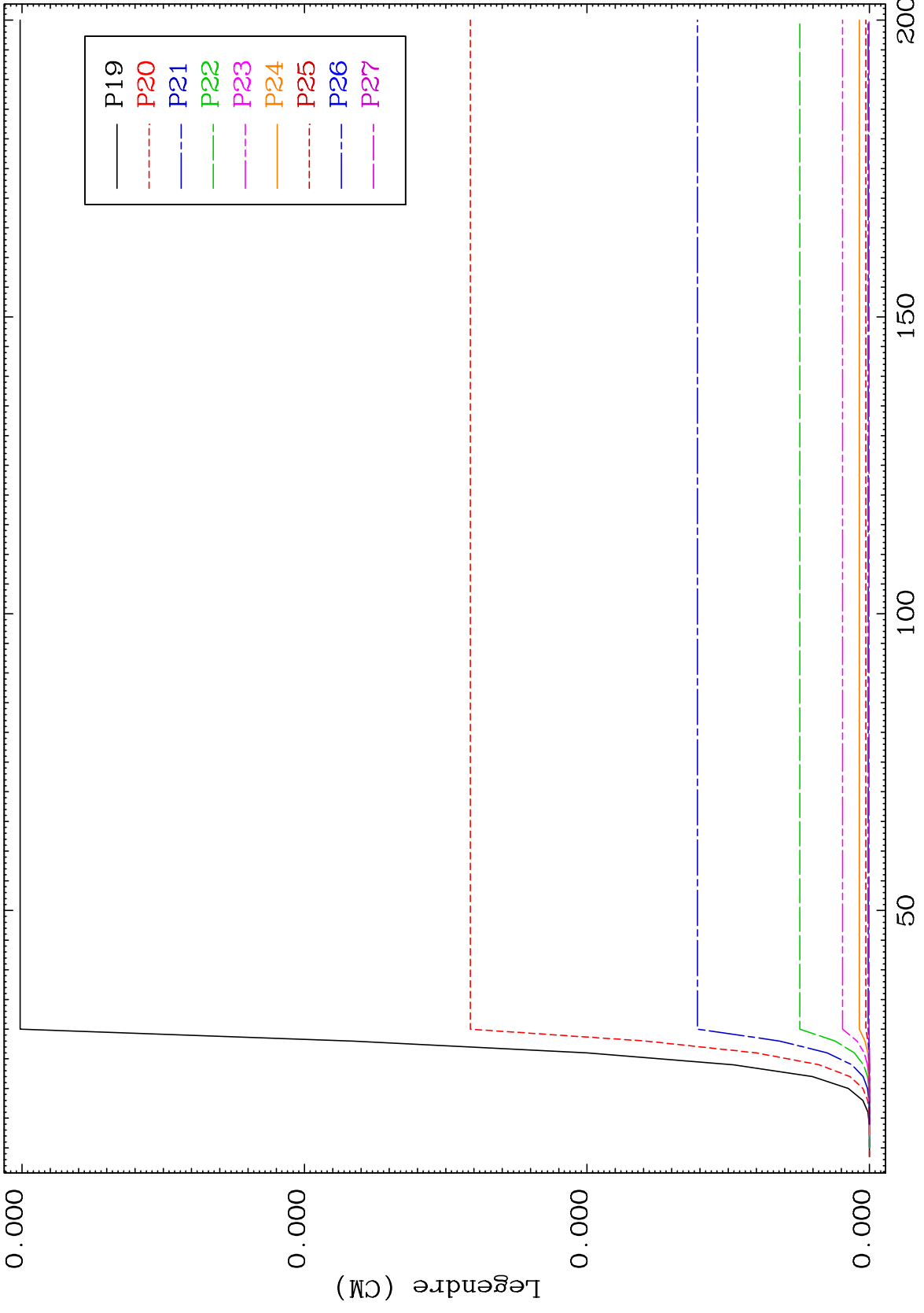


103

Incident Energy (MeV)

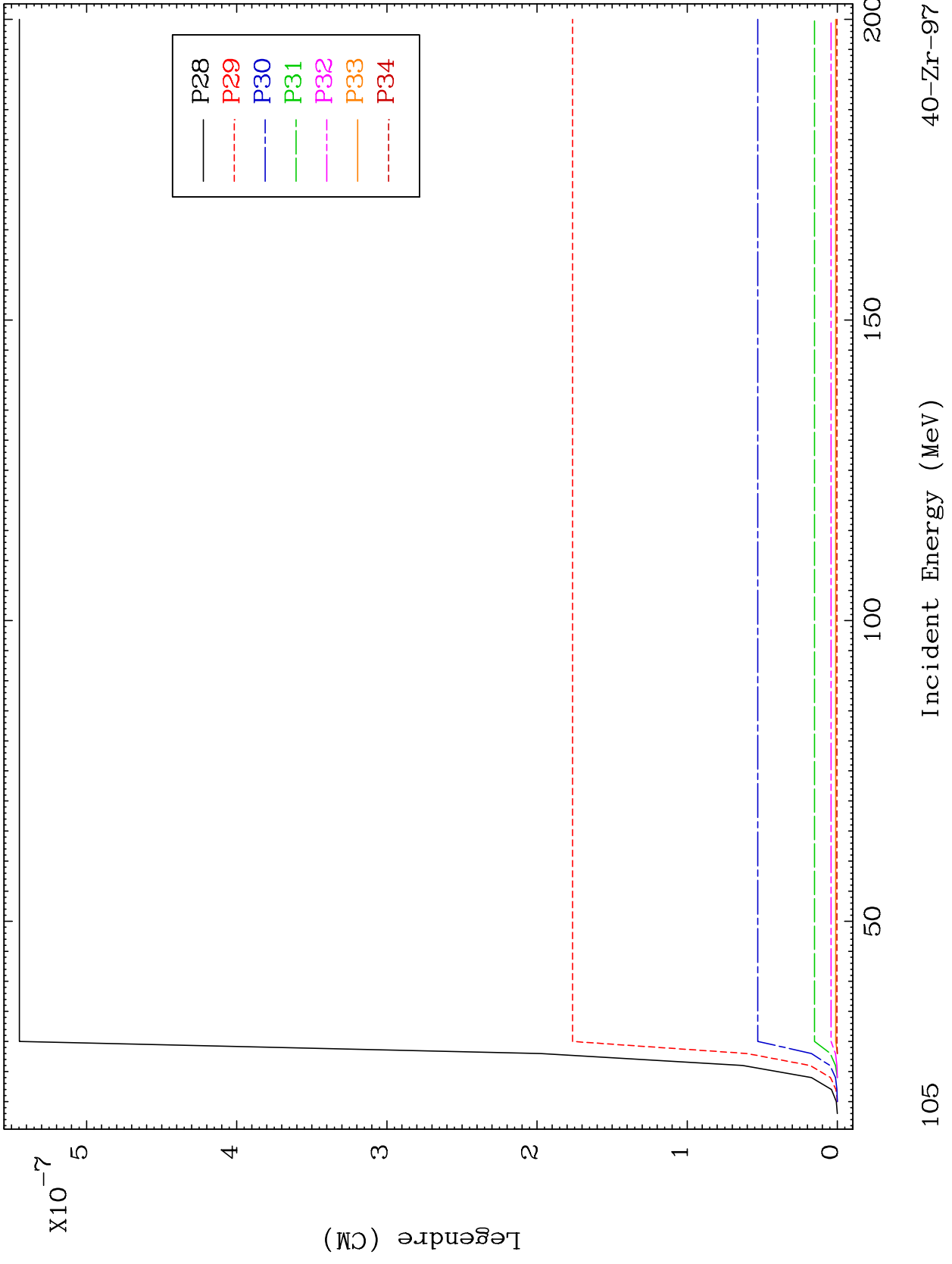
40-Zr-97

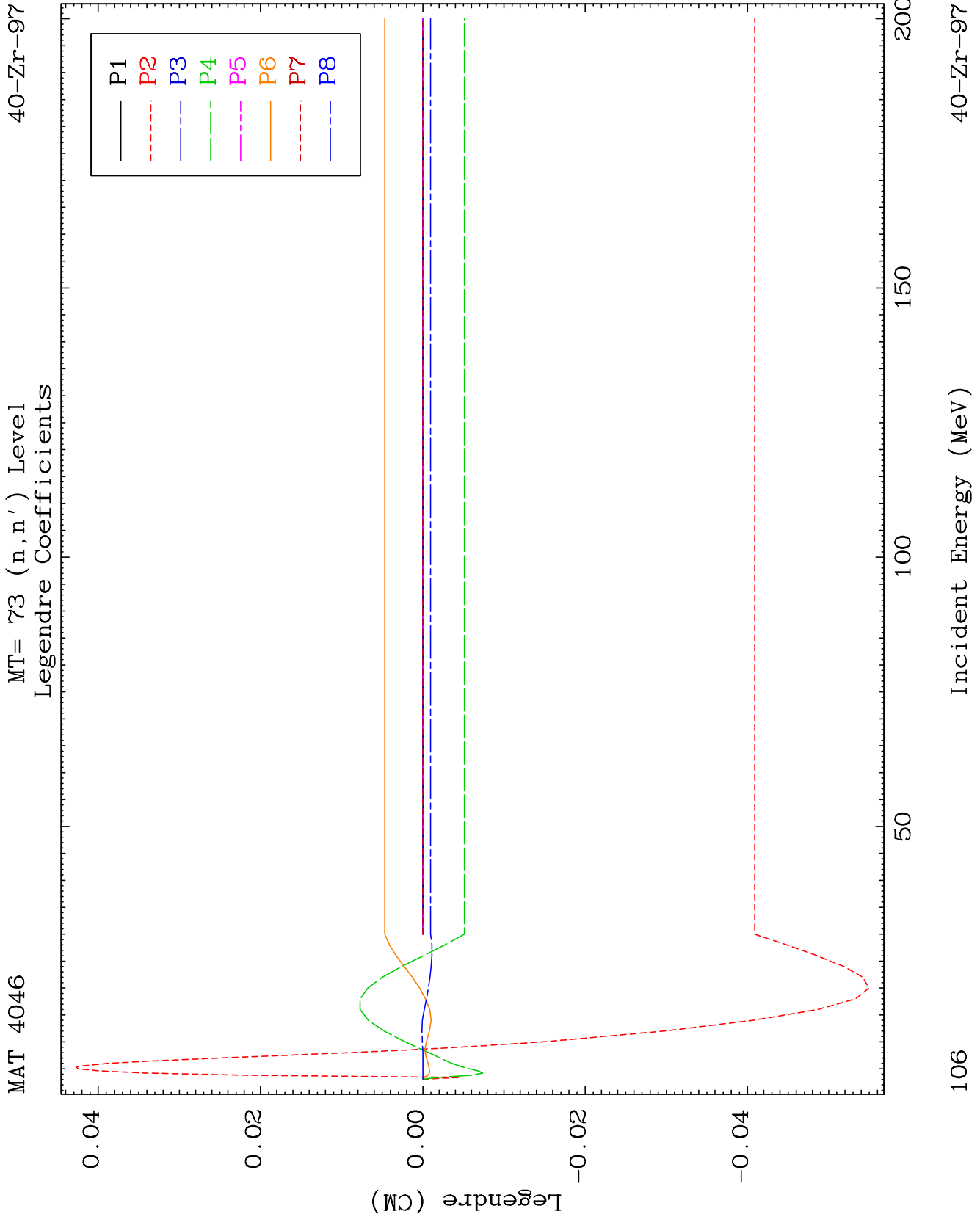
MAT 4046 MT= 72 (n,n') Level Legendre Coefficients 40-Zr-97



104 40-Zr-97

MAT 4046 MT= 72 (n,n') Level Legendre Coefficients 40-Zr-97

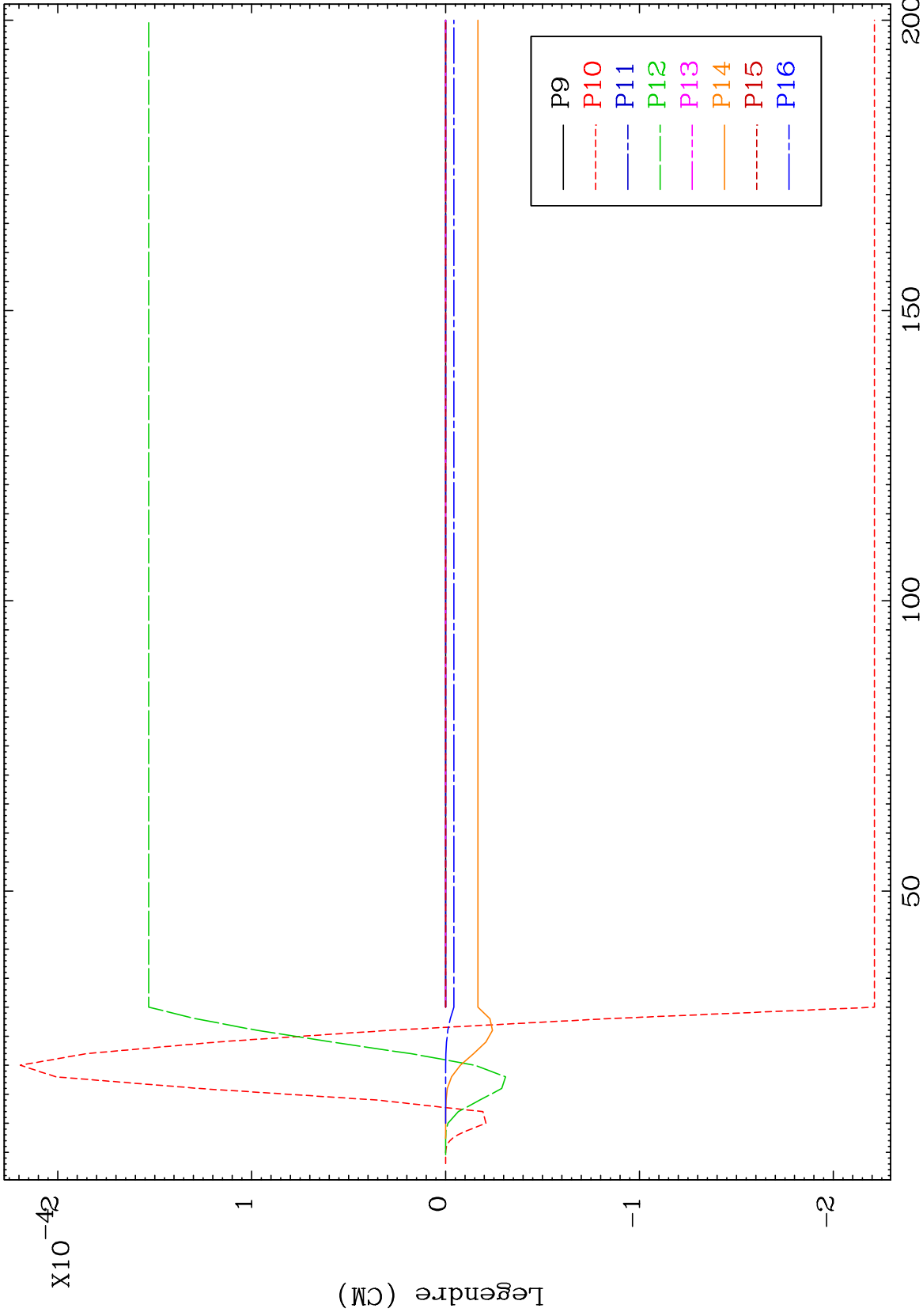




MAT 4046

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

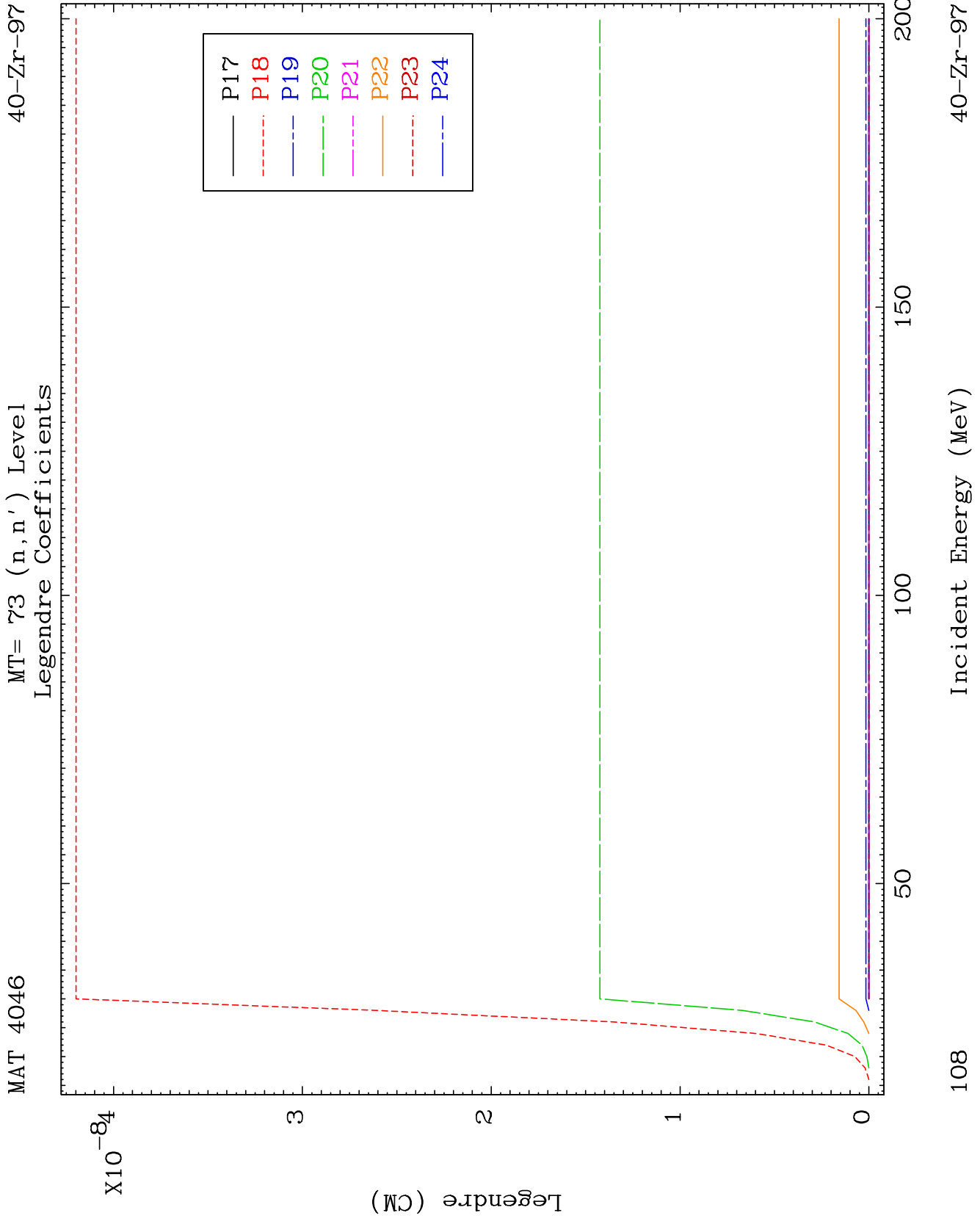
40-Zr-97



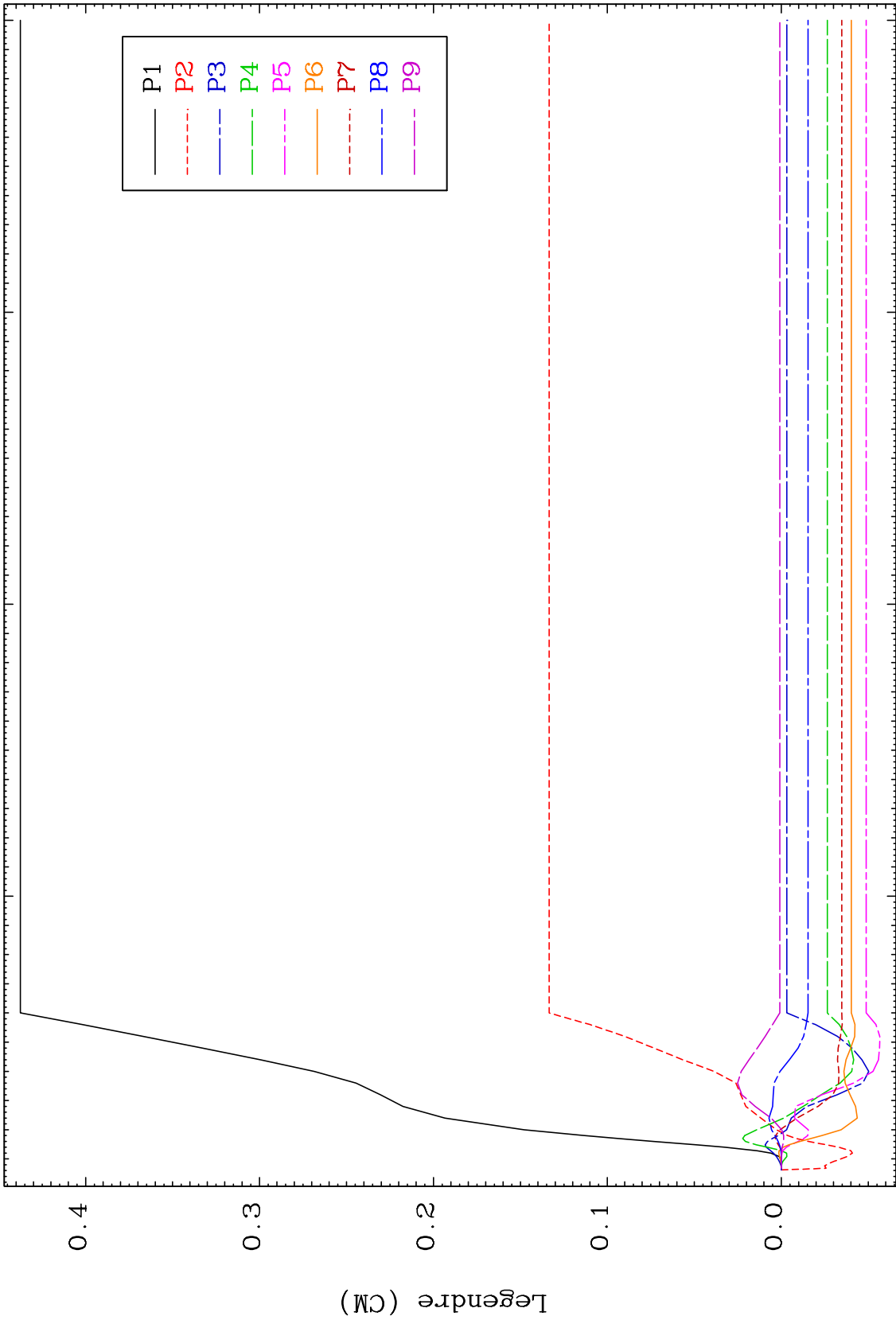
107

Incident Energy (MeV)

40-Zr-97

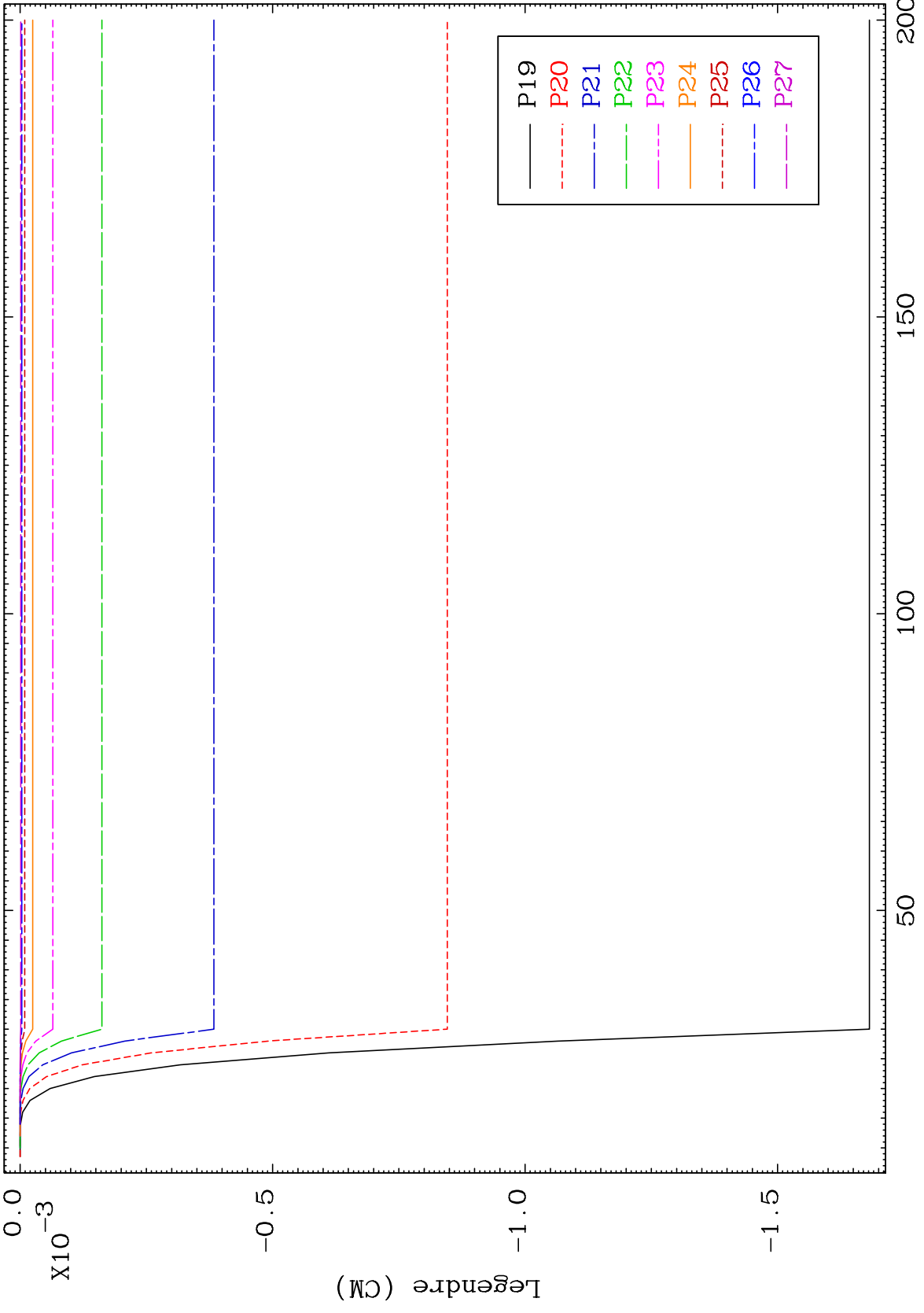


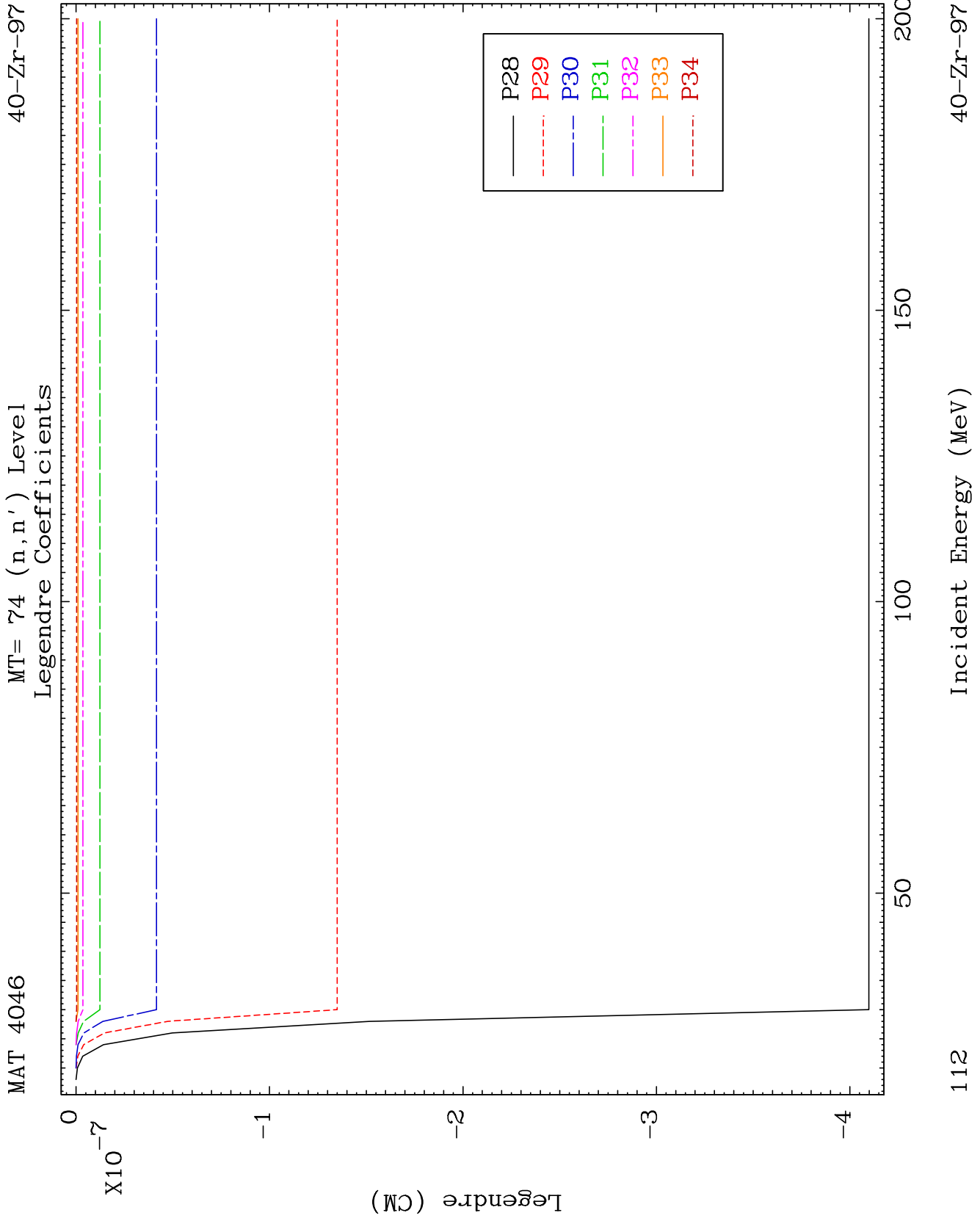
MAT 4046 MT= 74 (n,n') Level Legendre Coefficients 40-Zr-97



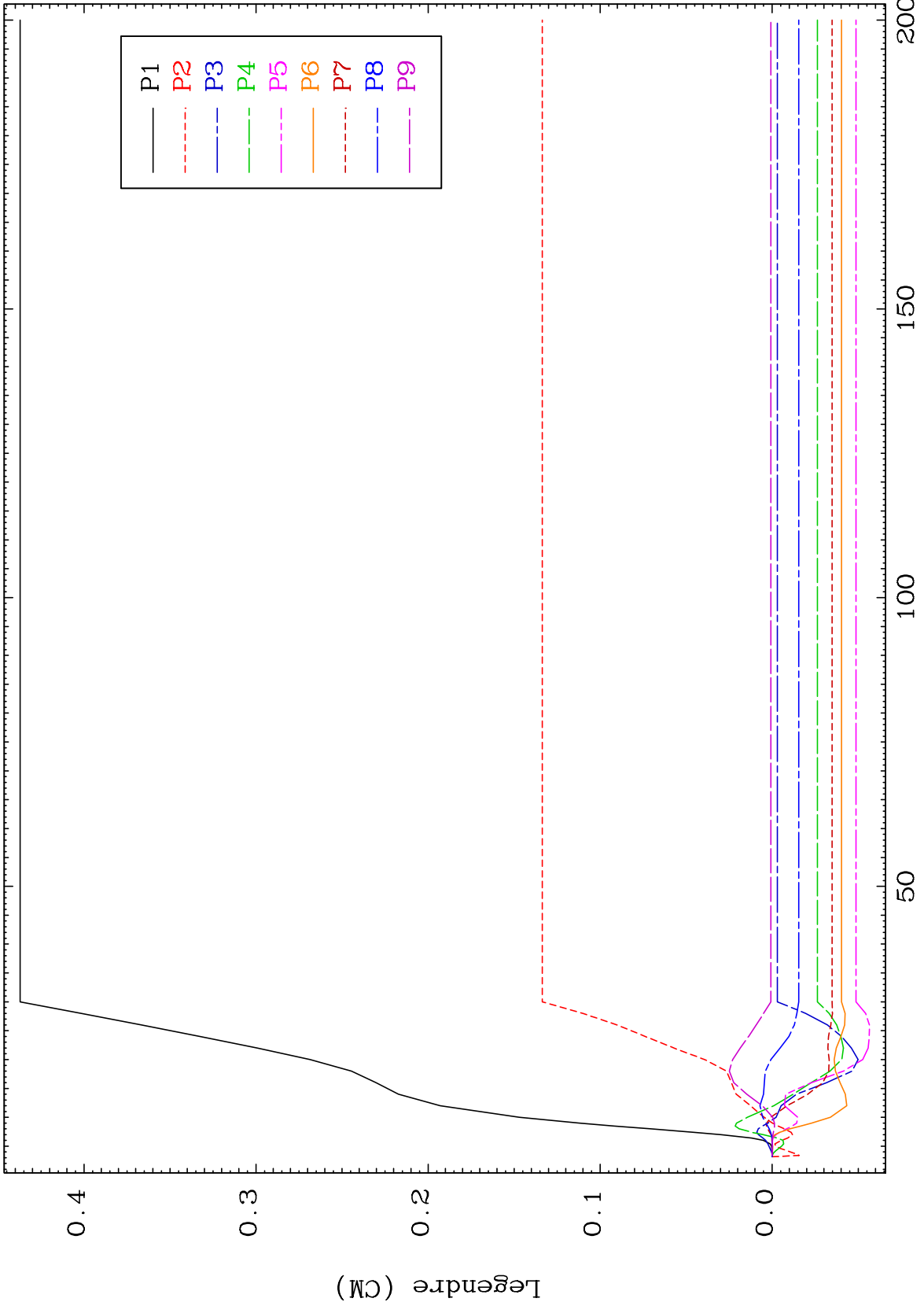
109 Incident Energy (MeV) 40-Zr-97

MAT 4046 MT= 74 (n,n') Level Legendre Coefficients 40-Zr-97

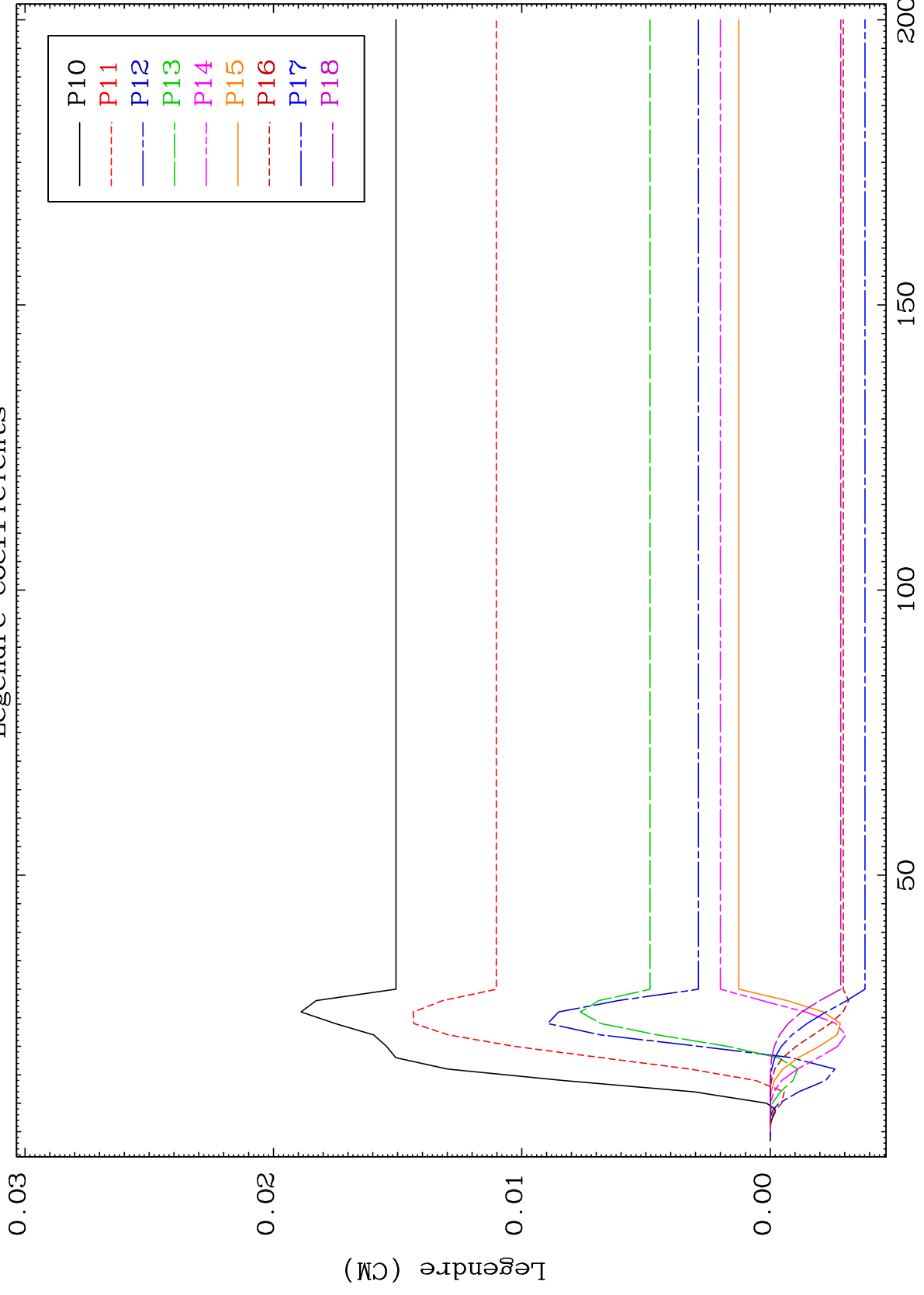




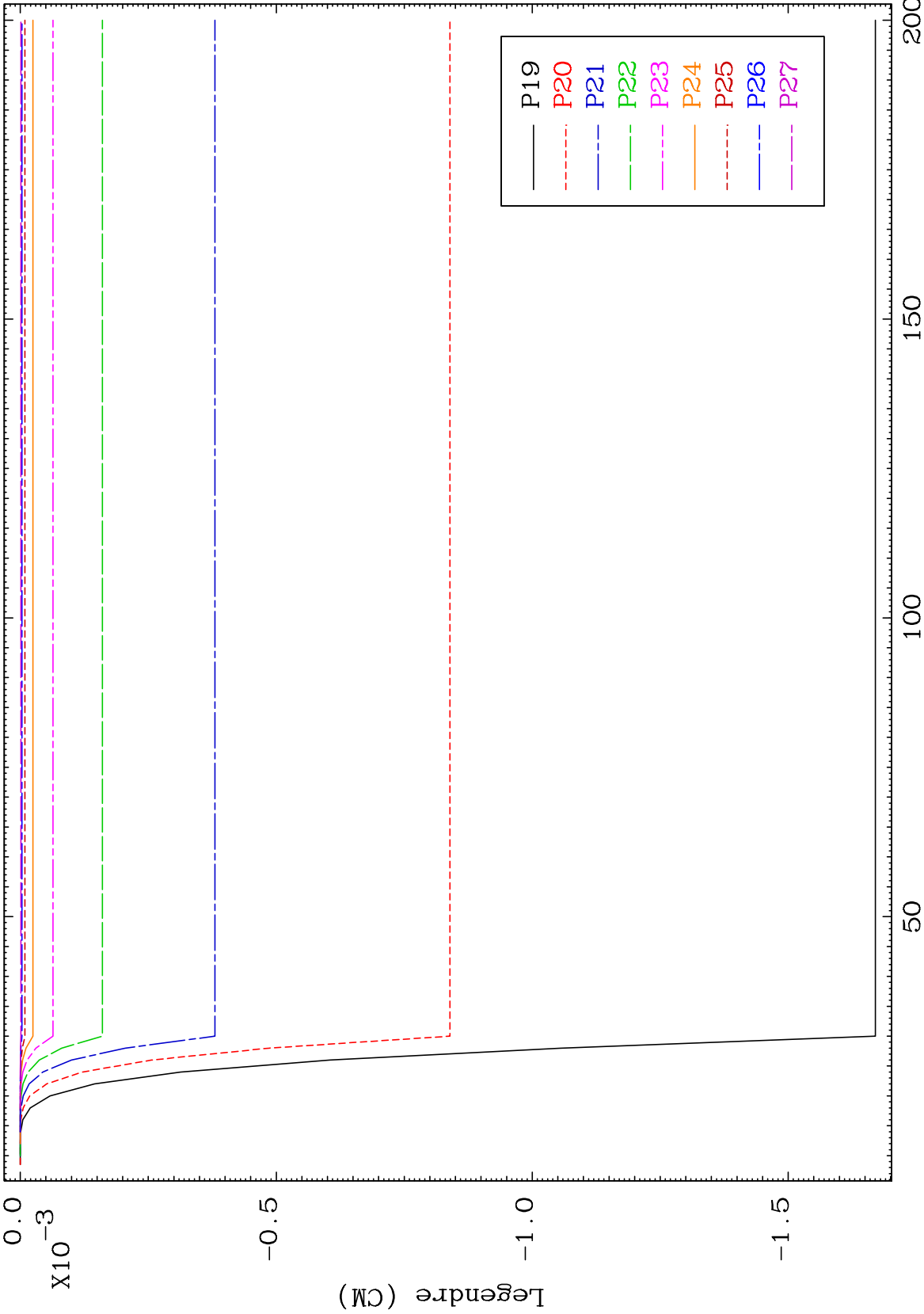
MAT 4046 MT= 75 (n,n') Level Legendre Coefficients 40-Zr-97



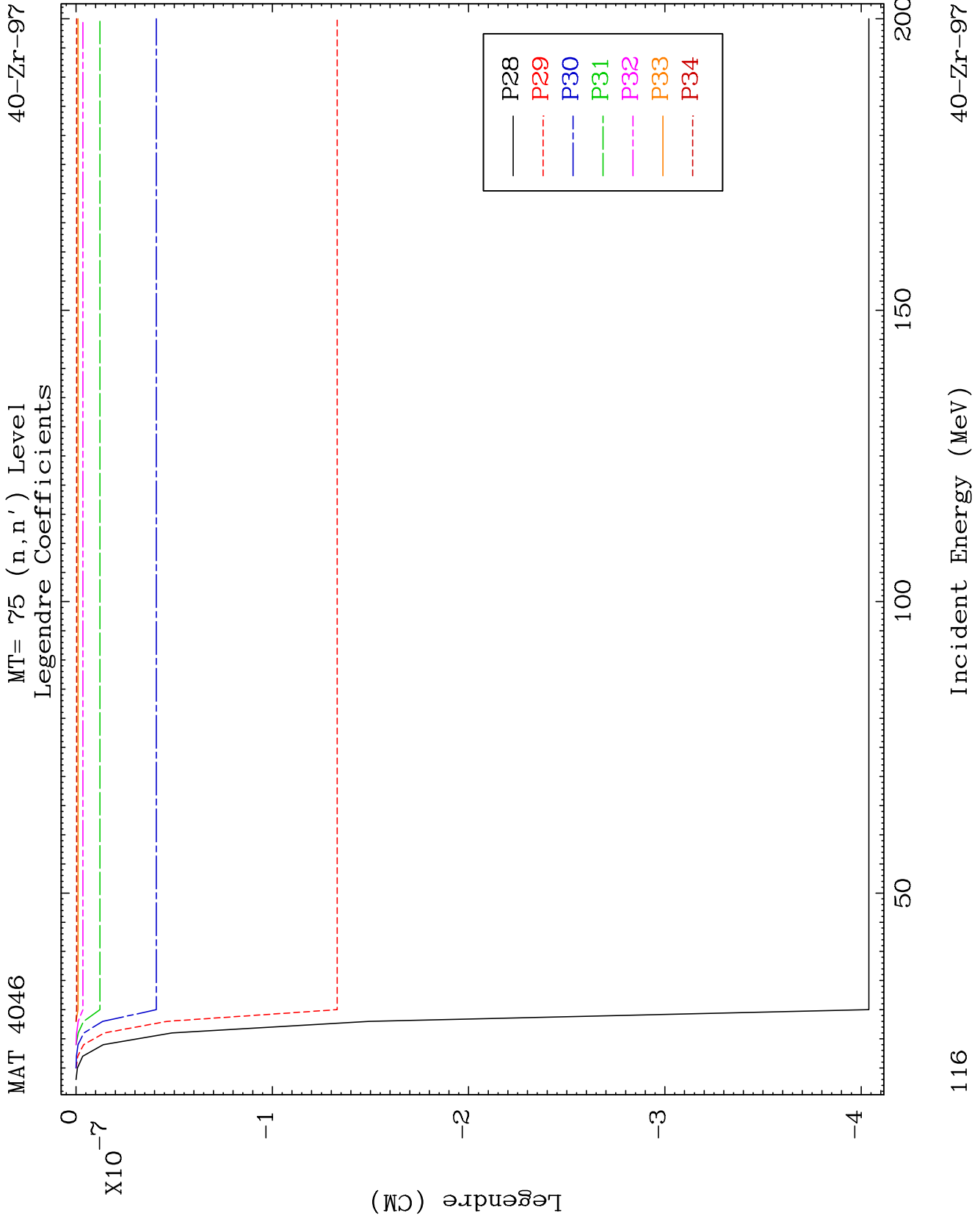
MAT 4046 MT= 75 (n,n') Level Legendre Coefficients 40-Zr-97



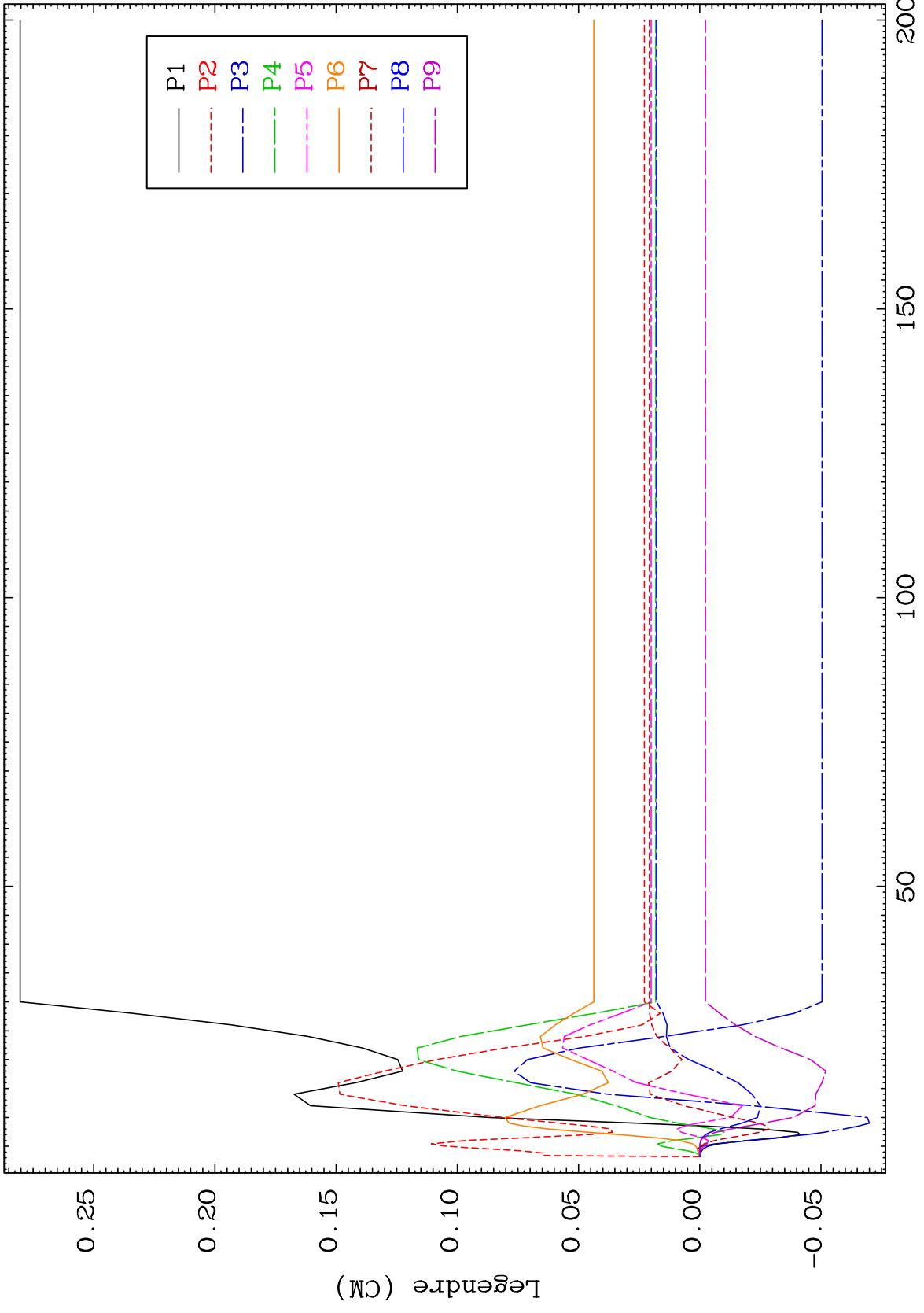
MAT 4046 MT= 75 (n,n') Level Legendre Coefficients 40-Zr-97



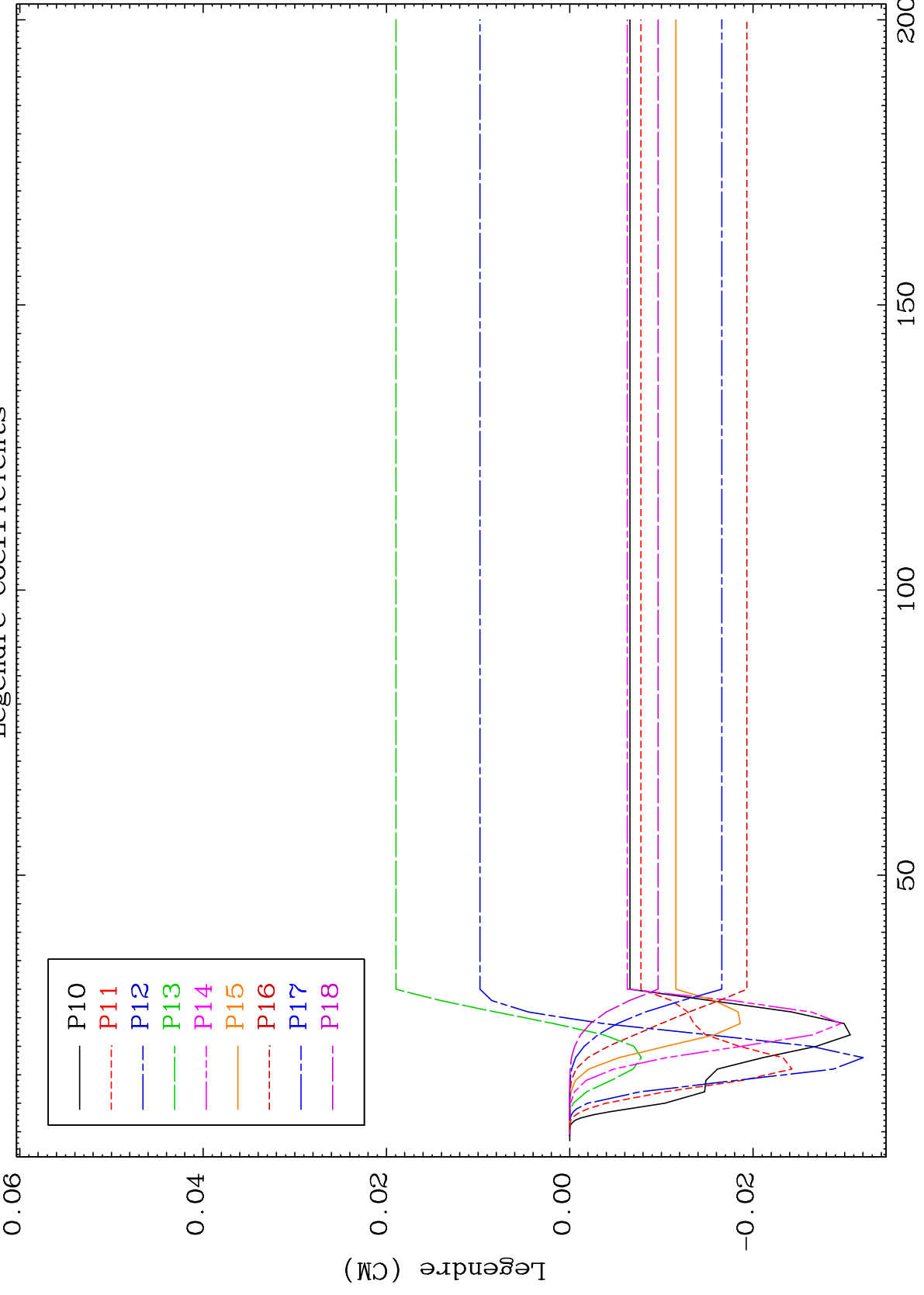
115 Incident Energy (MeV) 40-Zr-97

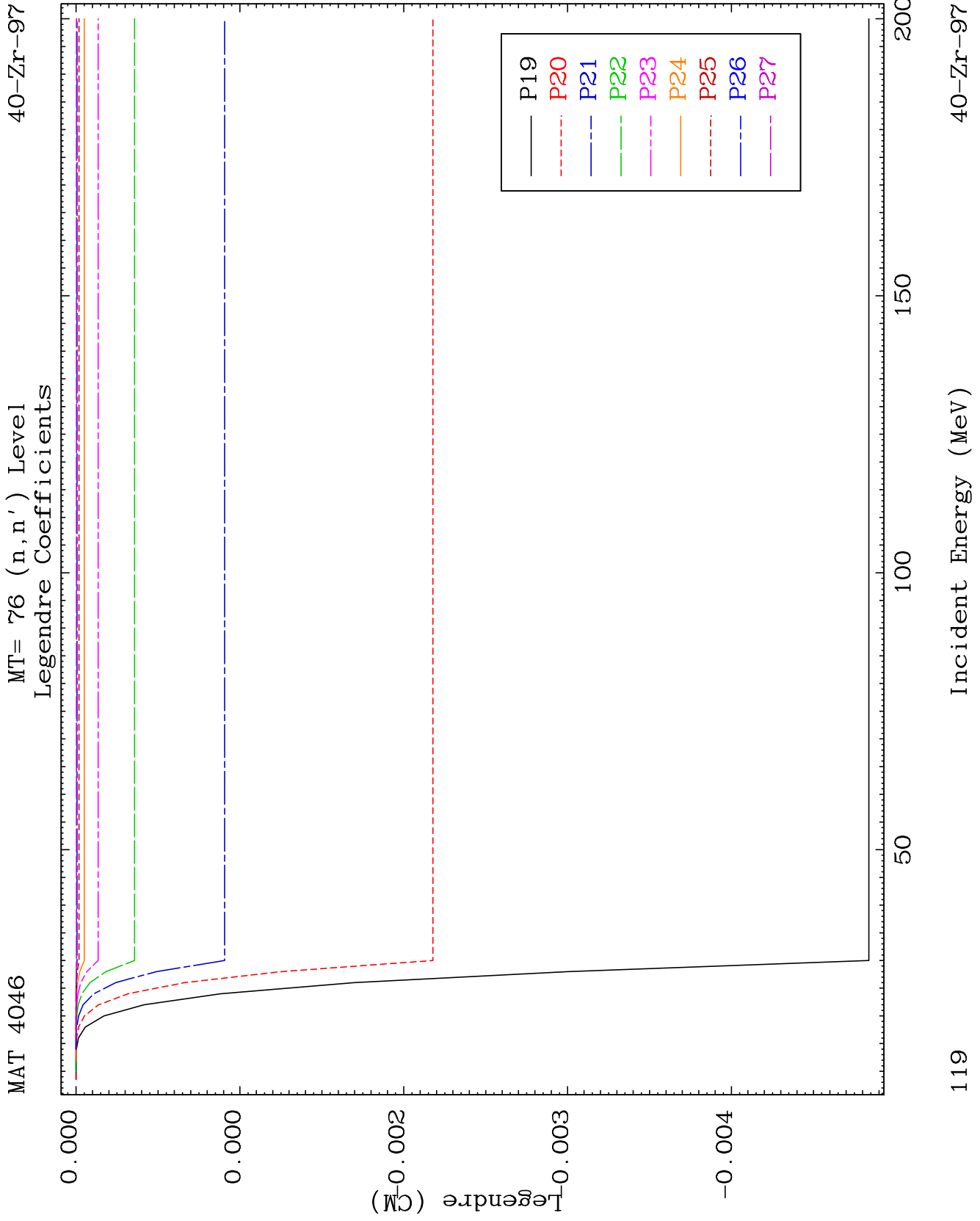


MAT 4046 MT= 76 (n,n') Level Legendre Coefficients 40-Zr-97

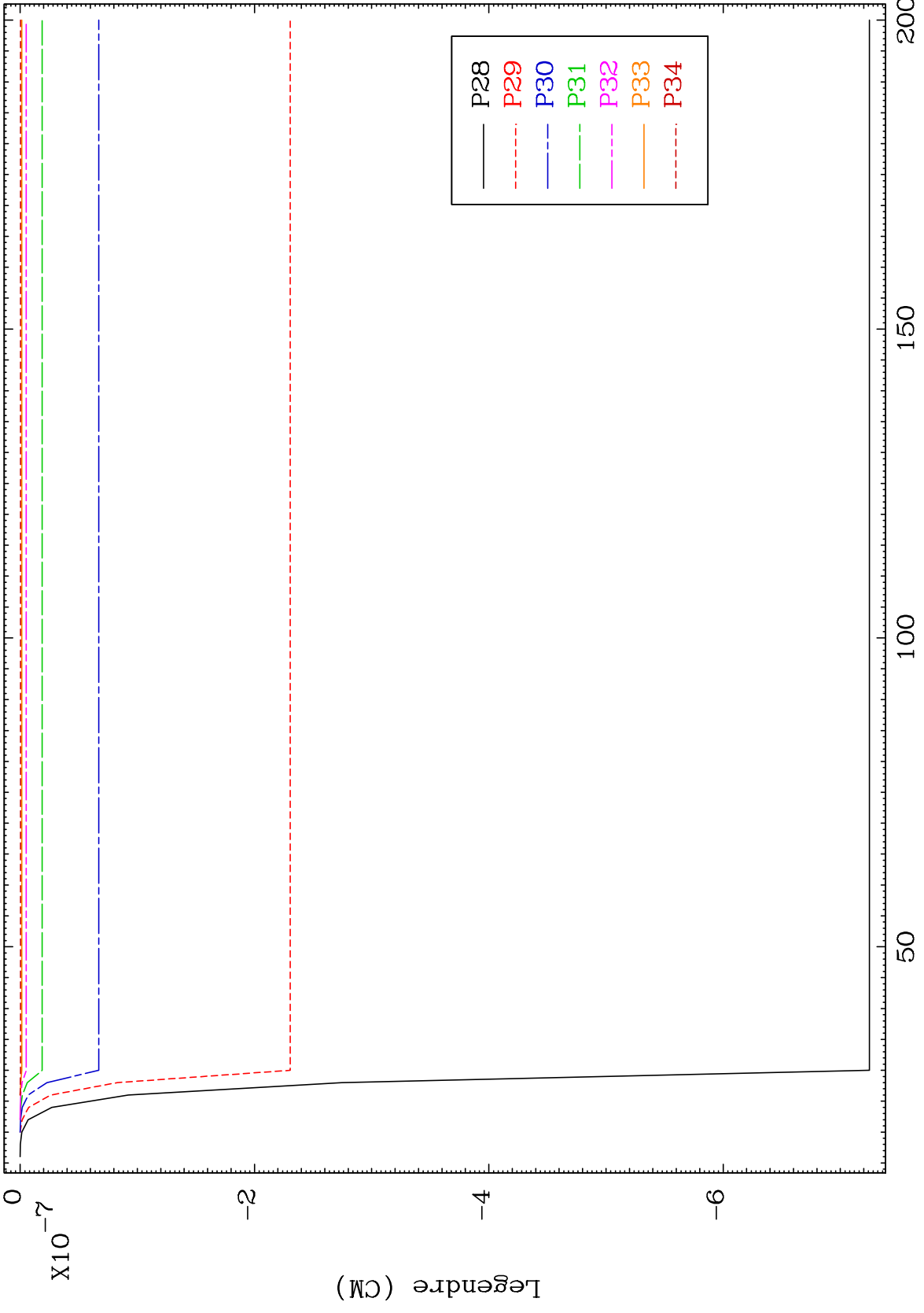


MAT 4046 MT= 76 (n,n') Level Legendre Coefficients 40-Zr-97



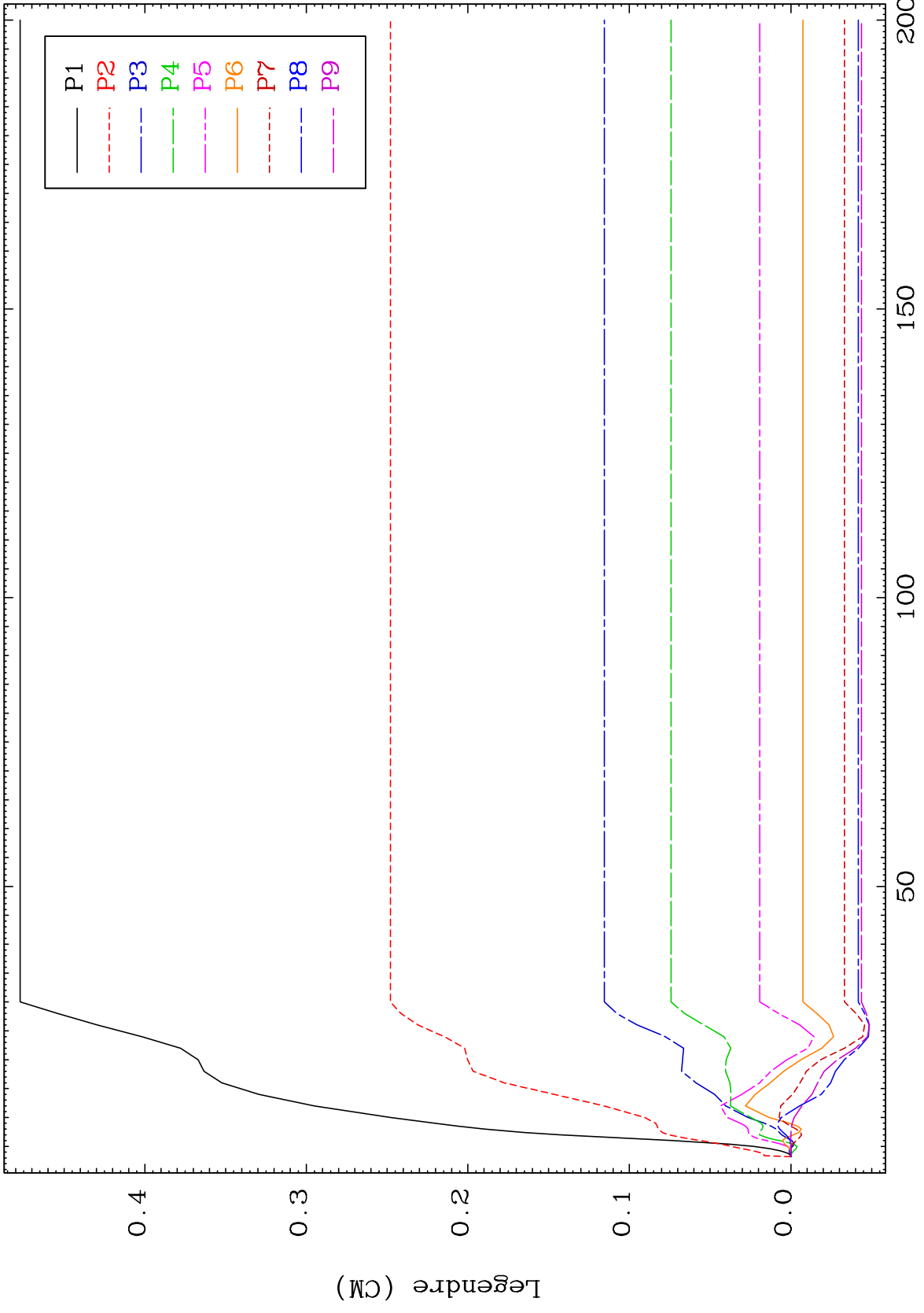


MAT 4046 MT= 76 (n,n') Level Legendre Coefficients 40-Zr-97



120 50 100 150 200 Incident Energy (MeV) 40-Zr-97

MAT 4046 MT= 77 (n,n') Level Legendre Coefficients 40-Zr-97

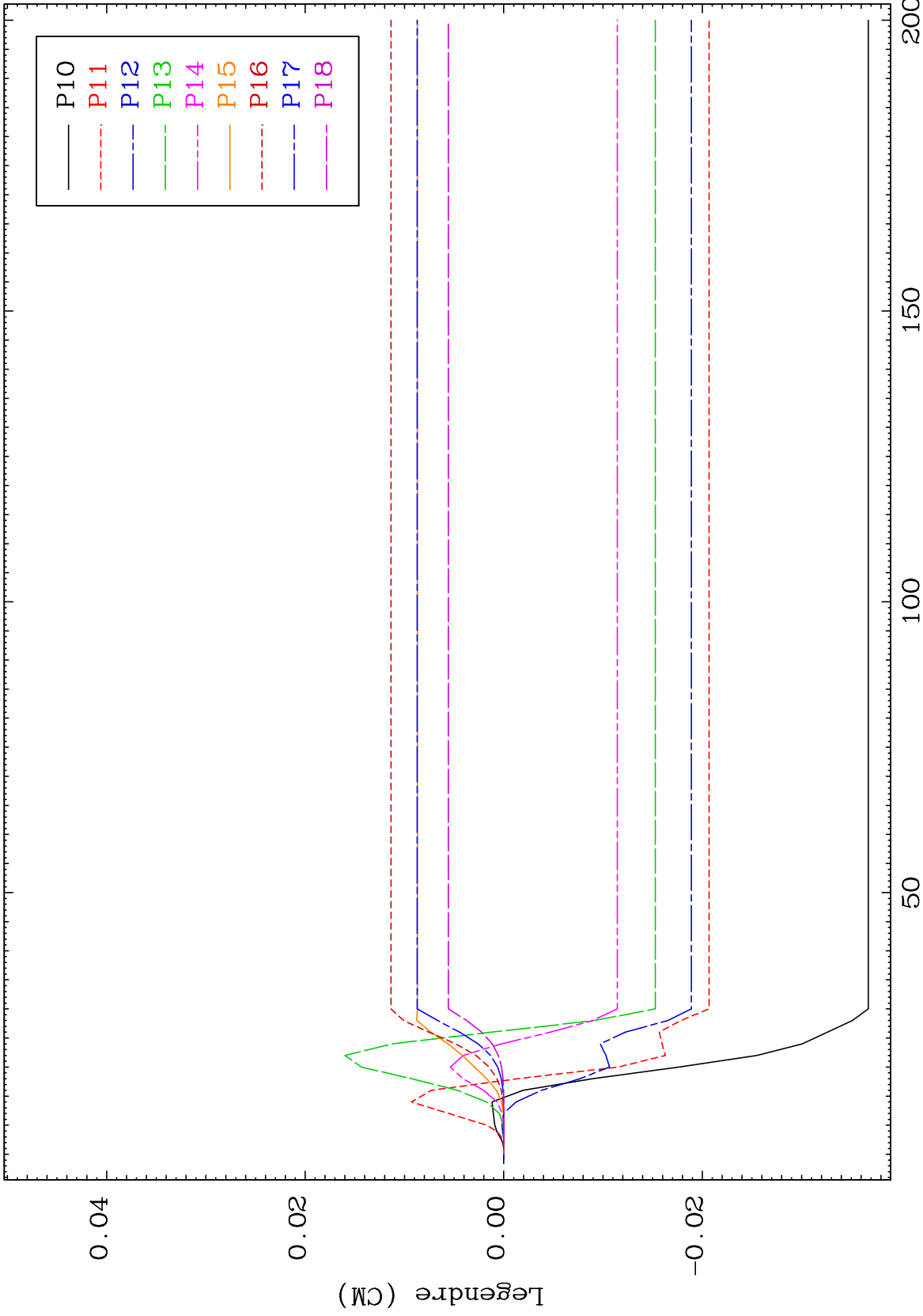


121 40-Zr-97

MAT 4046

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

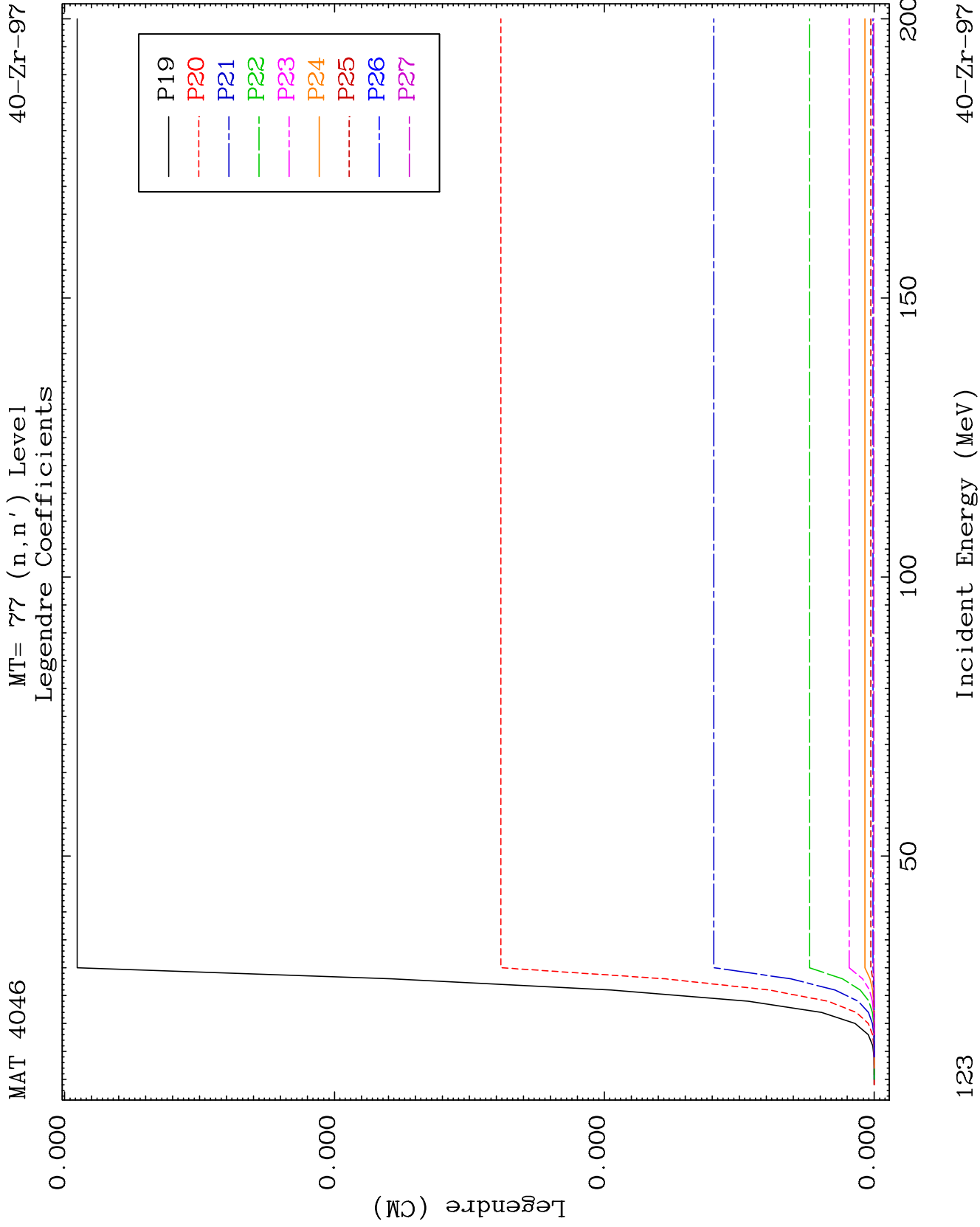
40-Zr-97



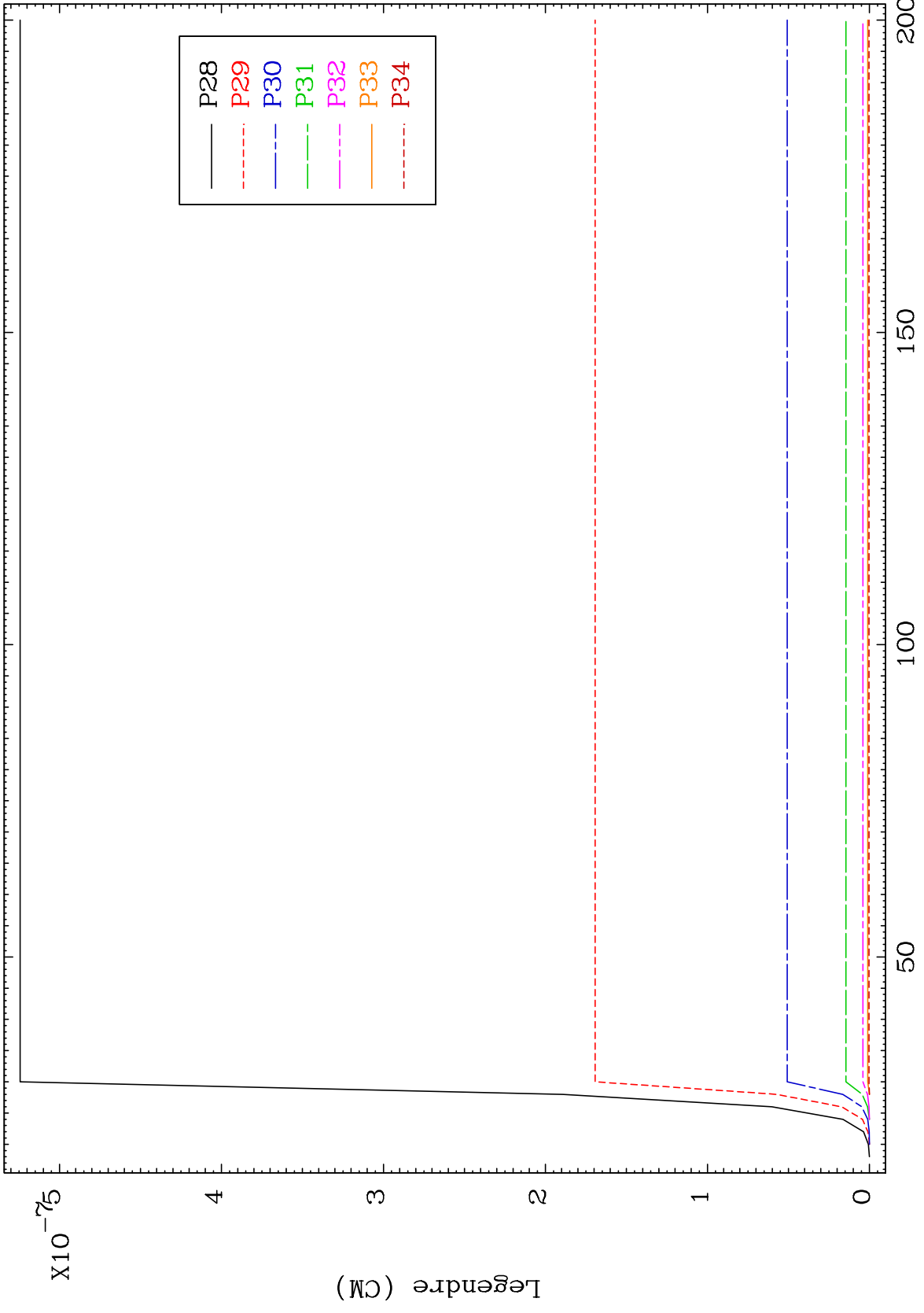
122

Incident Energy (MeV)

40-Zr-97



MAT 4046 MT= 77 (n,n') Level Legendre Coefficients 40-Zr-97

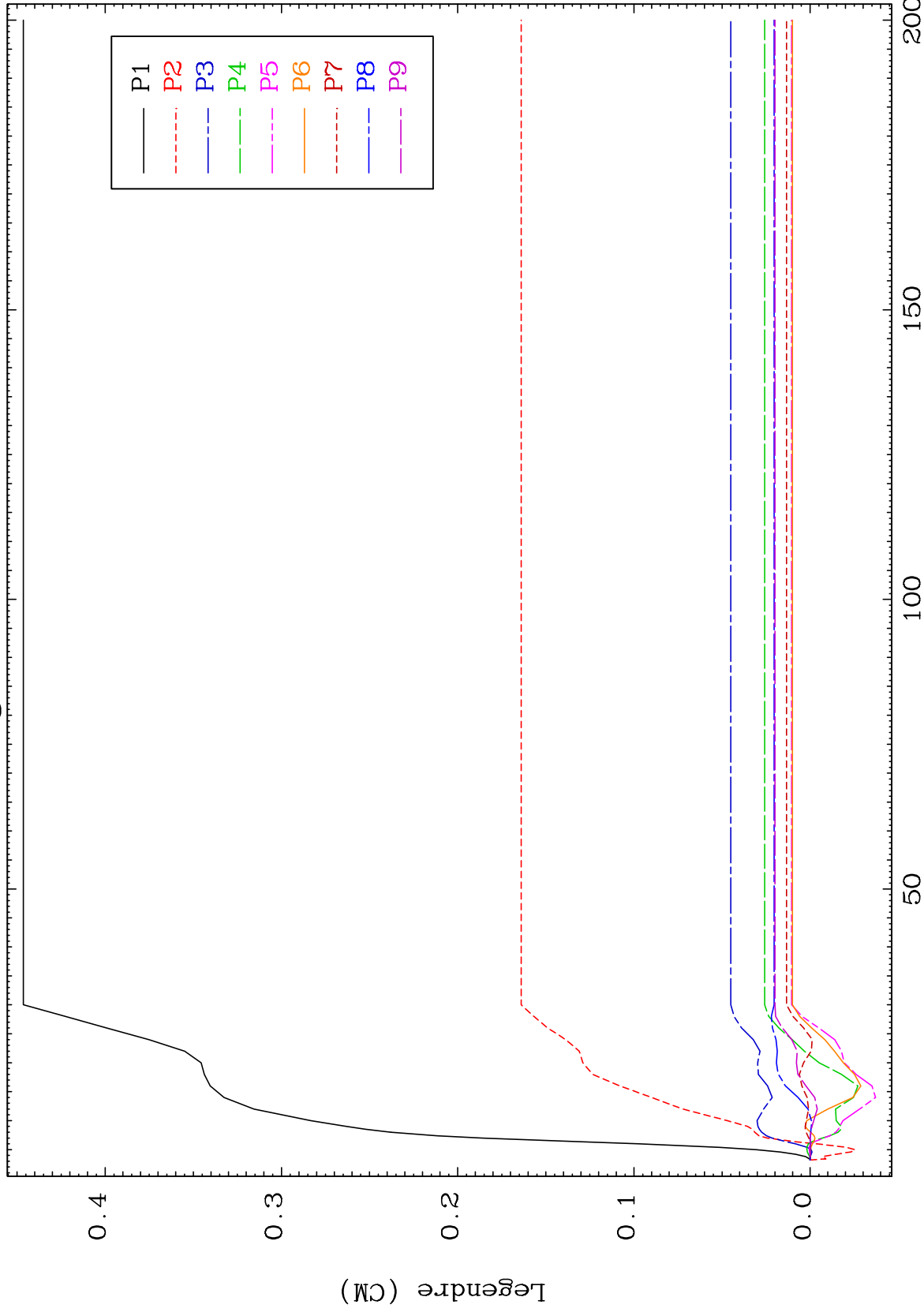


124 50 100 150 200 40-Zr-97

MAT 4046

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

40-Zr-97



125

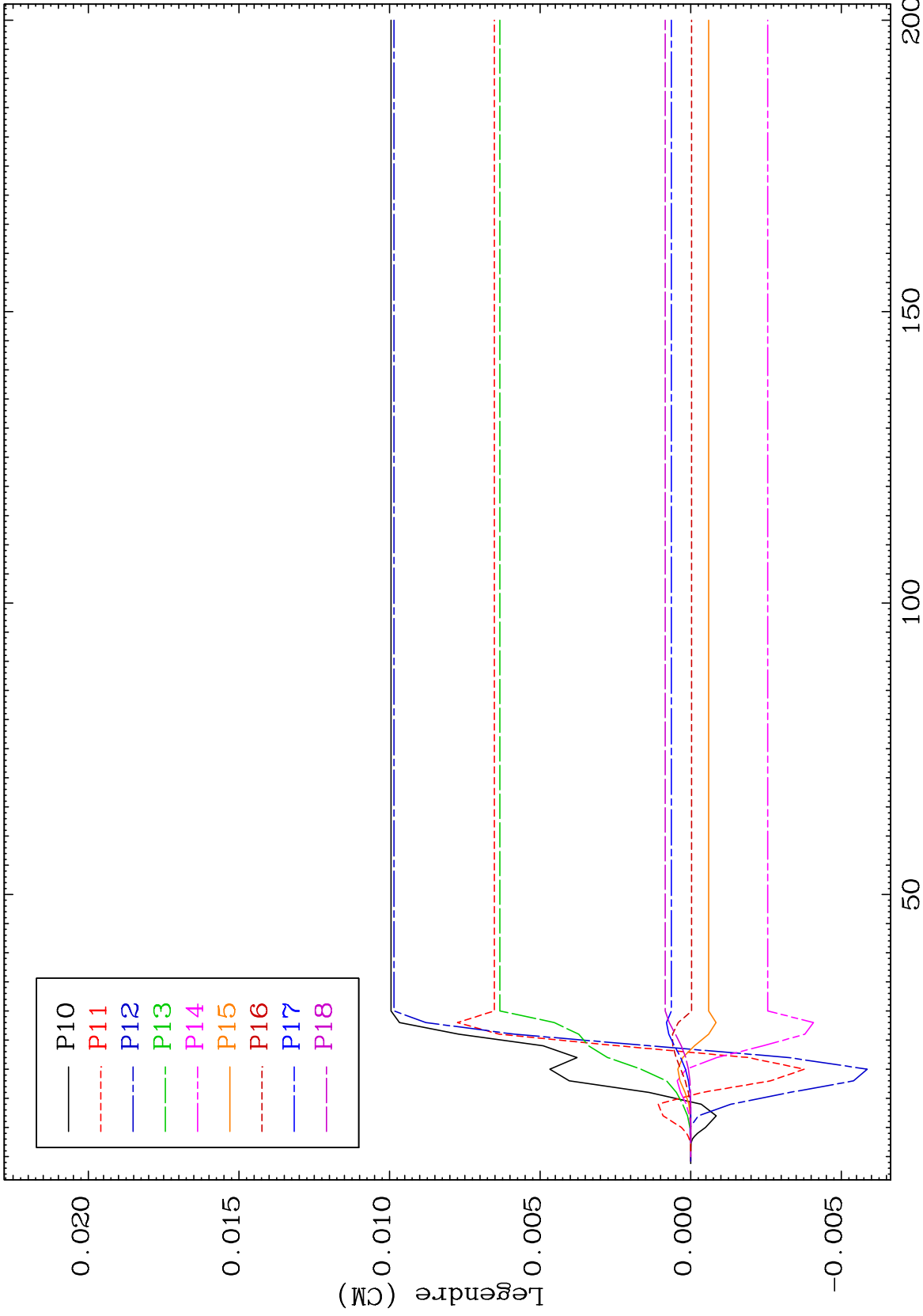
Incident Energy (MeV)

40-Zr-97

MAT 4046

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

40-Zr-97



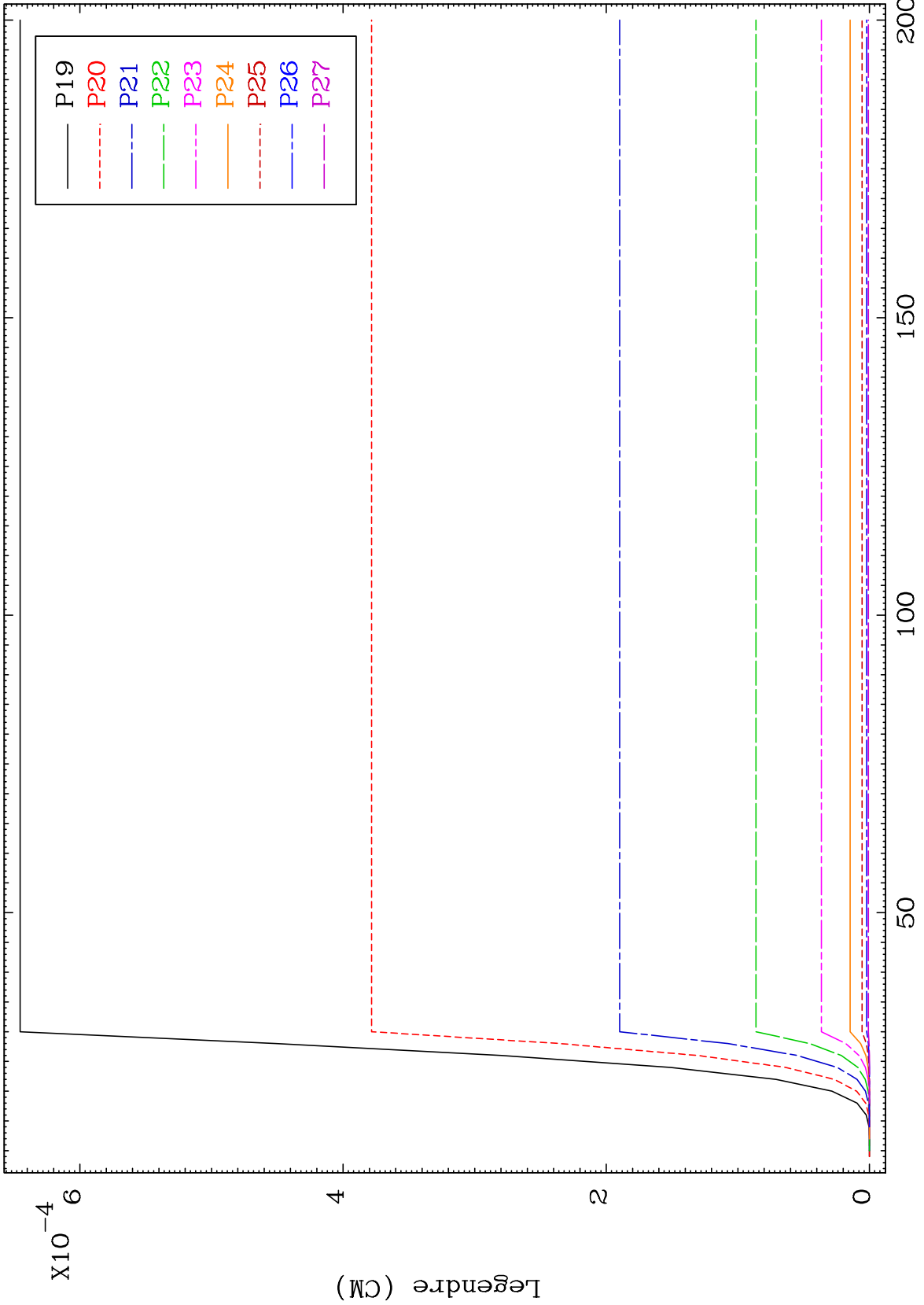
126

40-Zr-97

MAT 4046

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

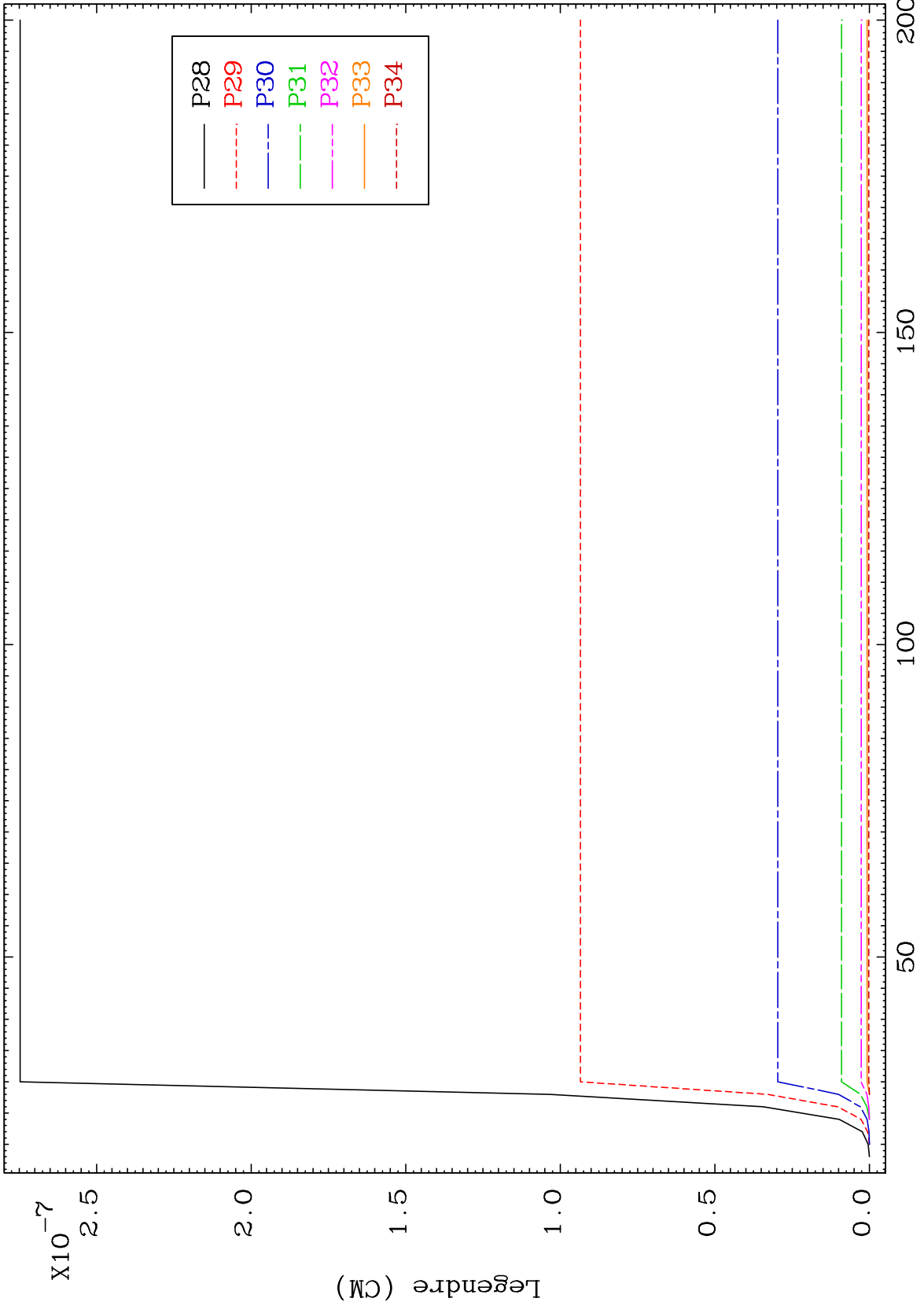
40-Zr-97



127

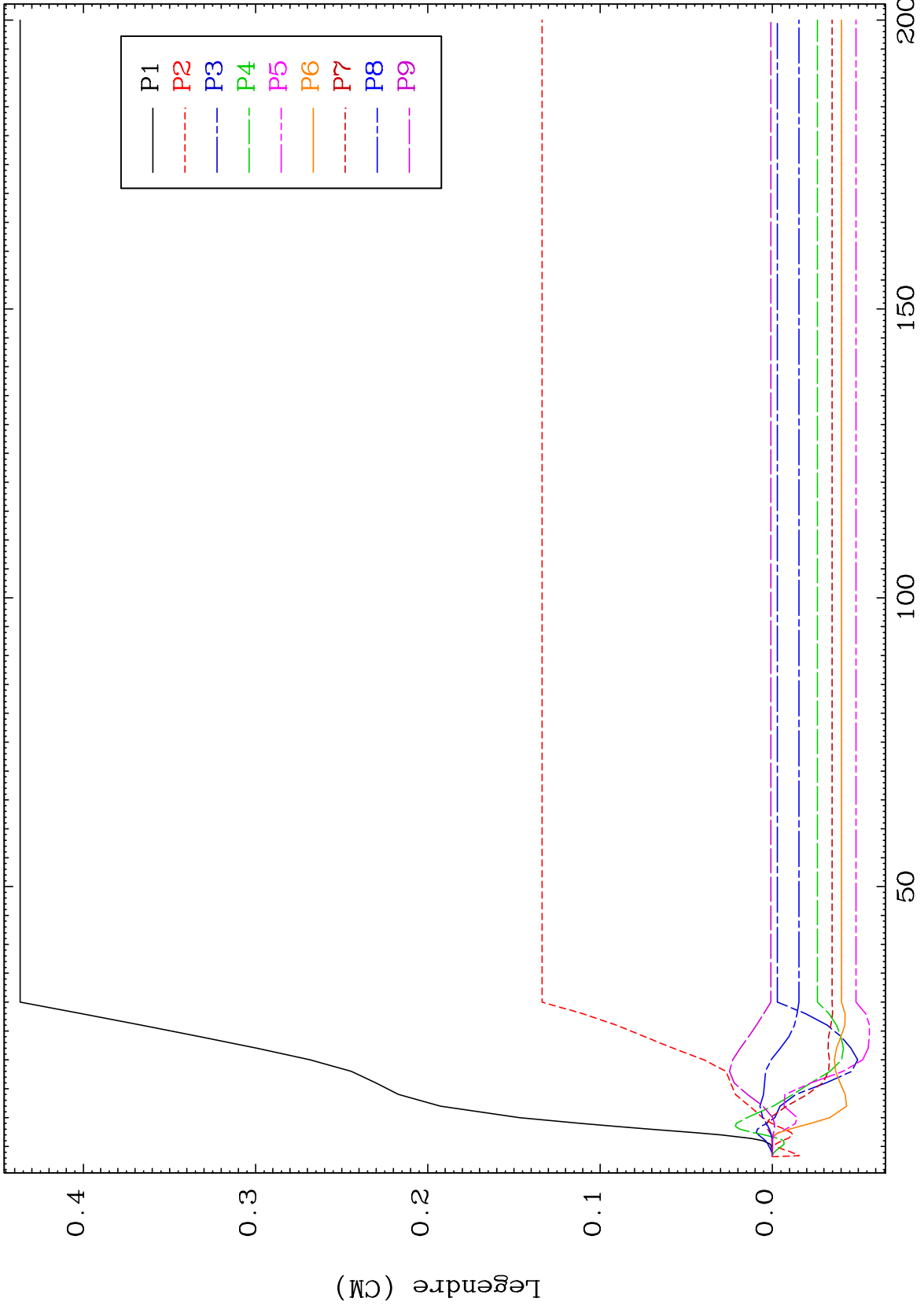
40-Zr-97

MAT 4046 MT= 78 (n,n') Level Legendre Coefficients 40-Zr-97

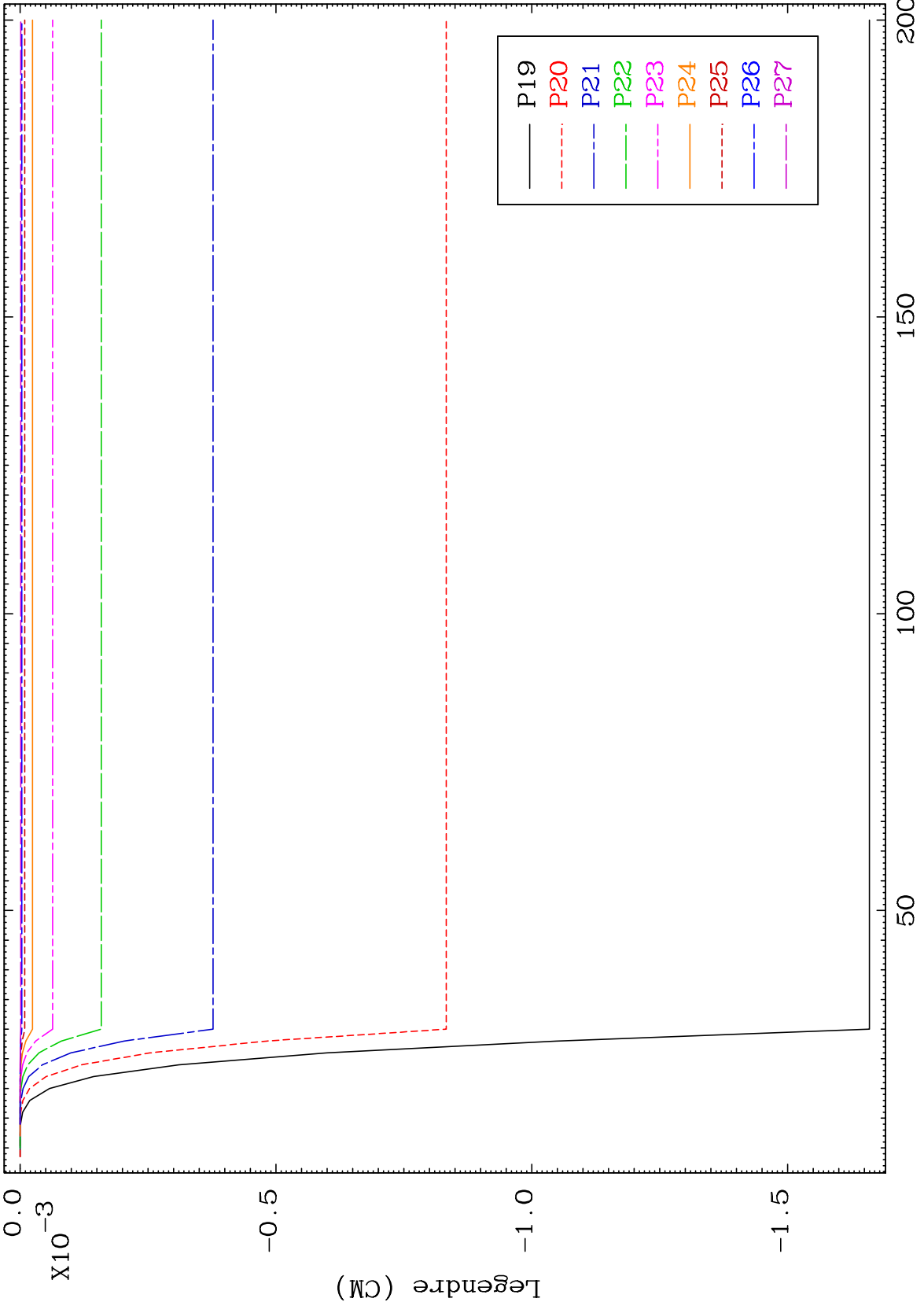


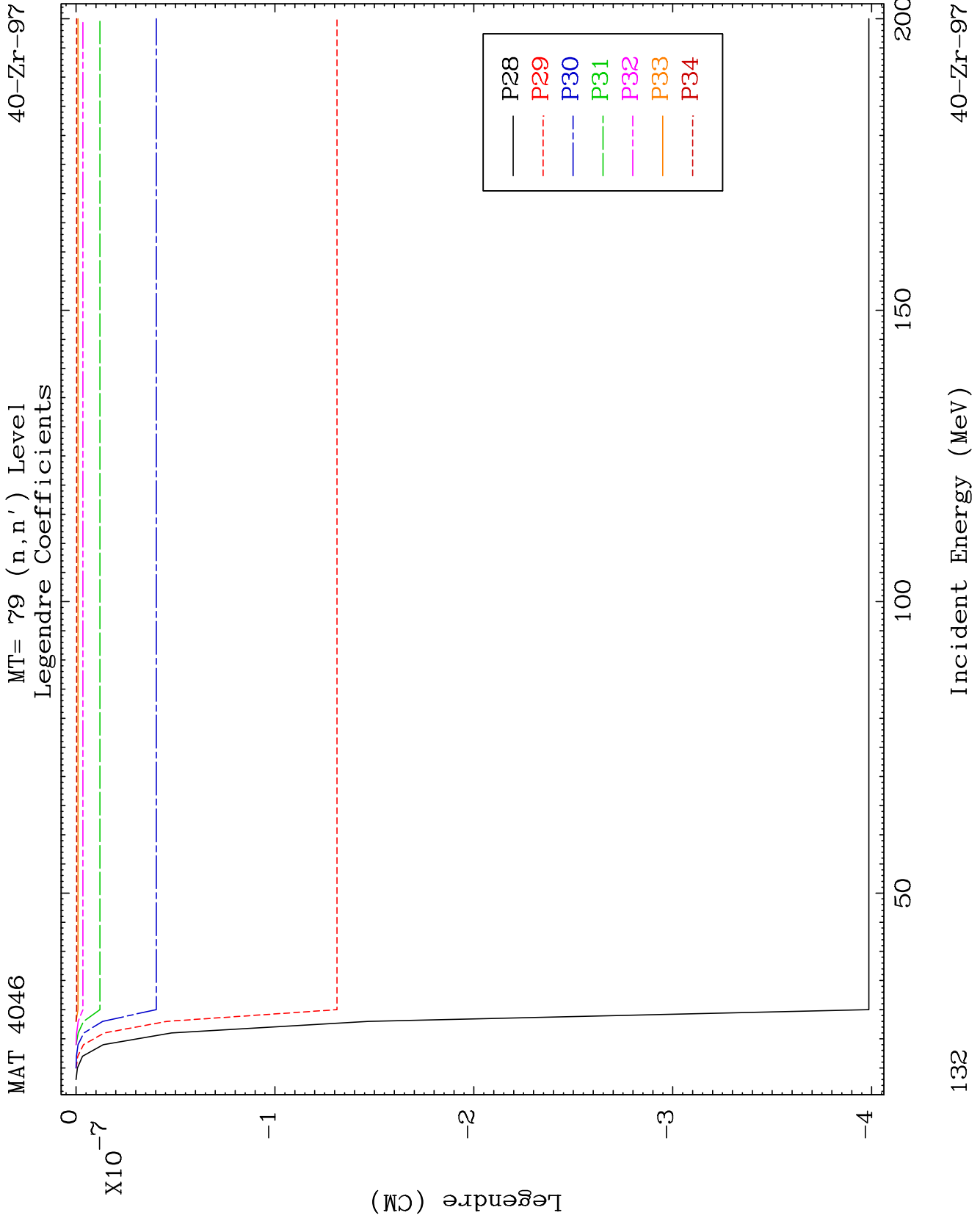
128 50 100 150 200 40-Zr-97

MAT 4046 MT= 79 (n,n') Level Legendre Coefficients 40-Zr-97

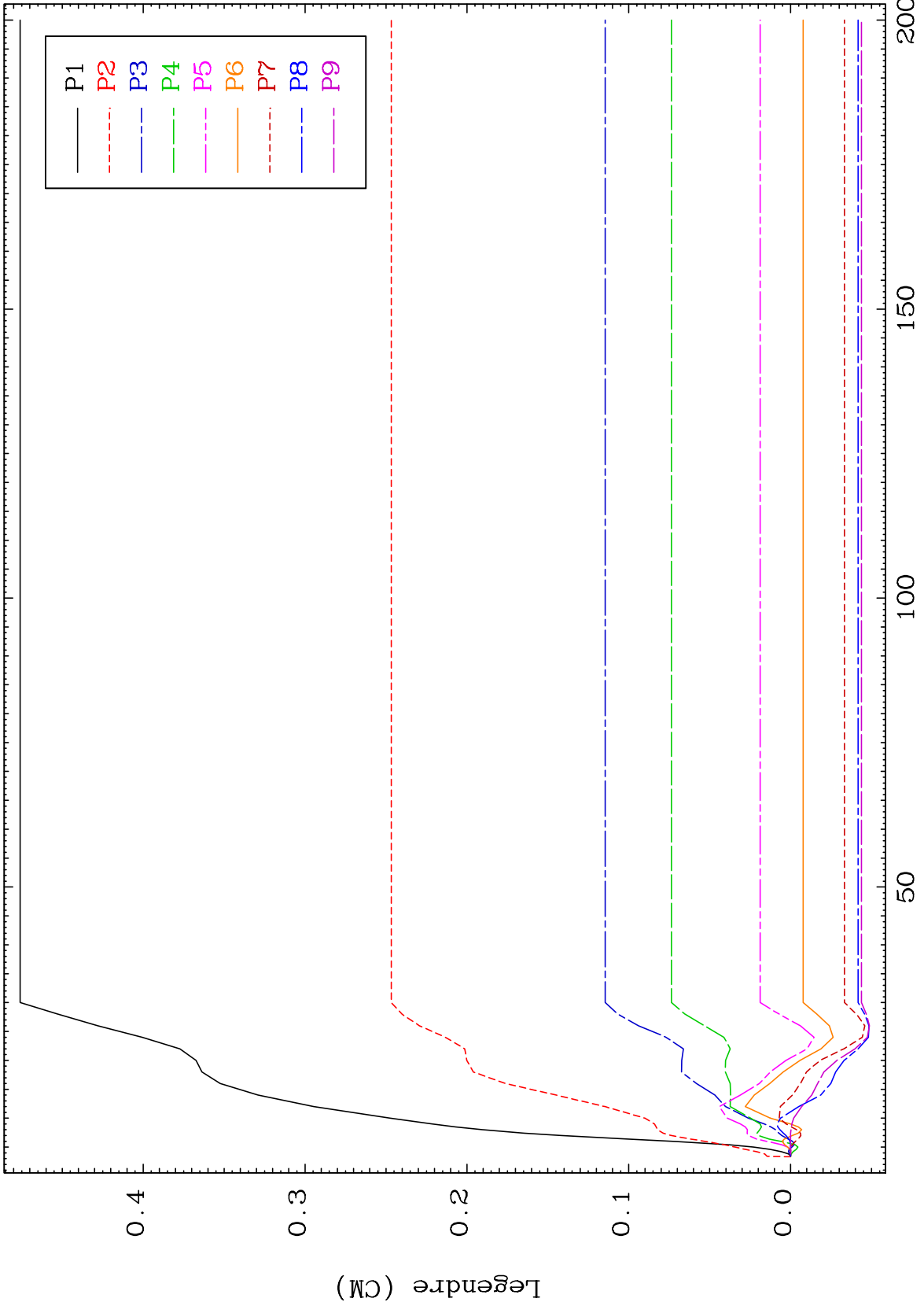


MAT 4046 MT= 79 (n,n') Level Legendre Coefficients 40-Zr-97



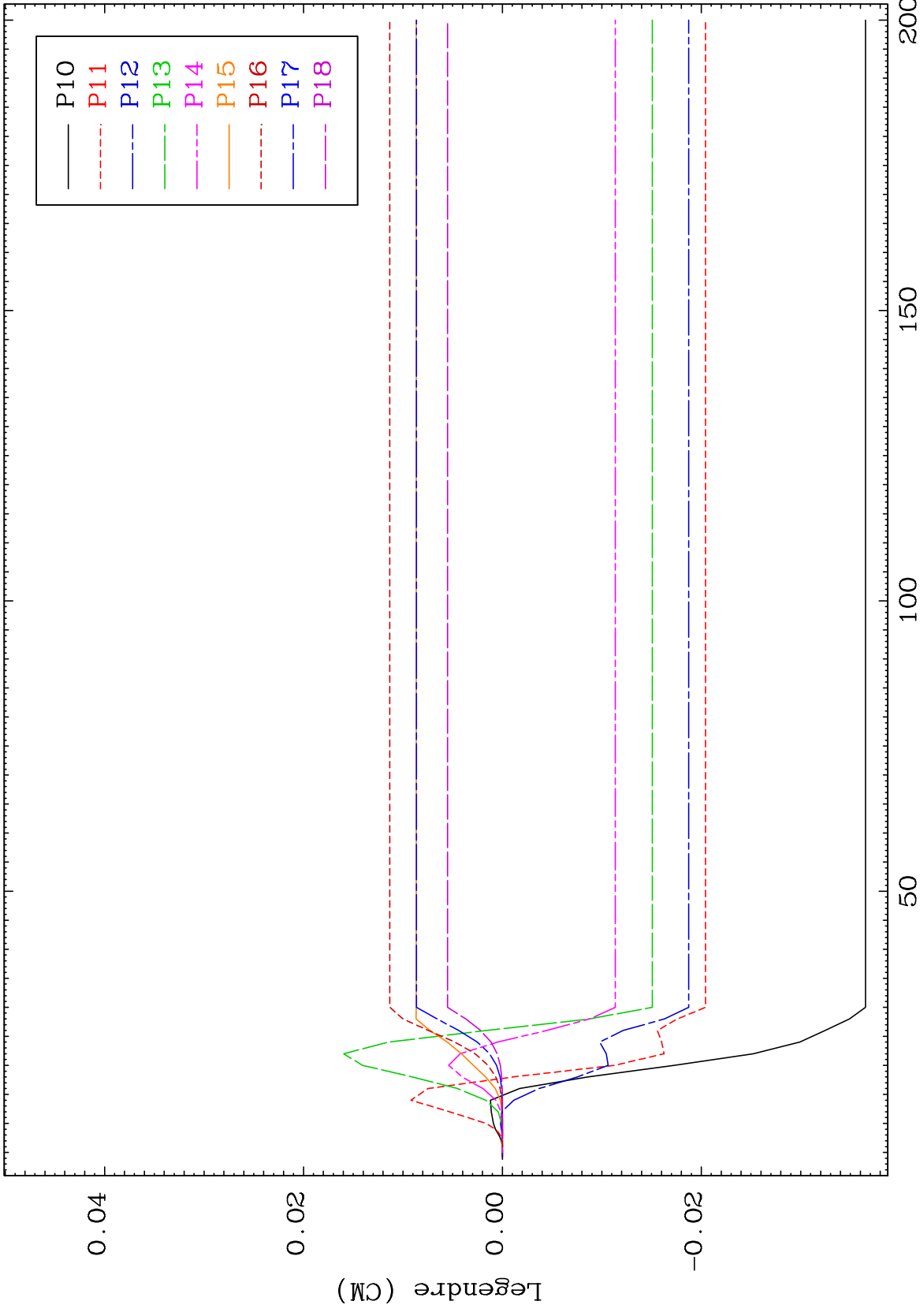


MAT 4046 MT= 80 (n,n') Level Legendre Coefficients 40-Zr-97



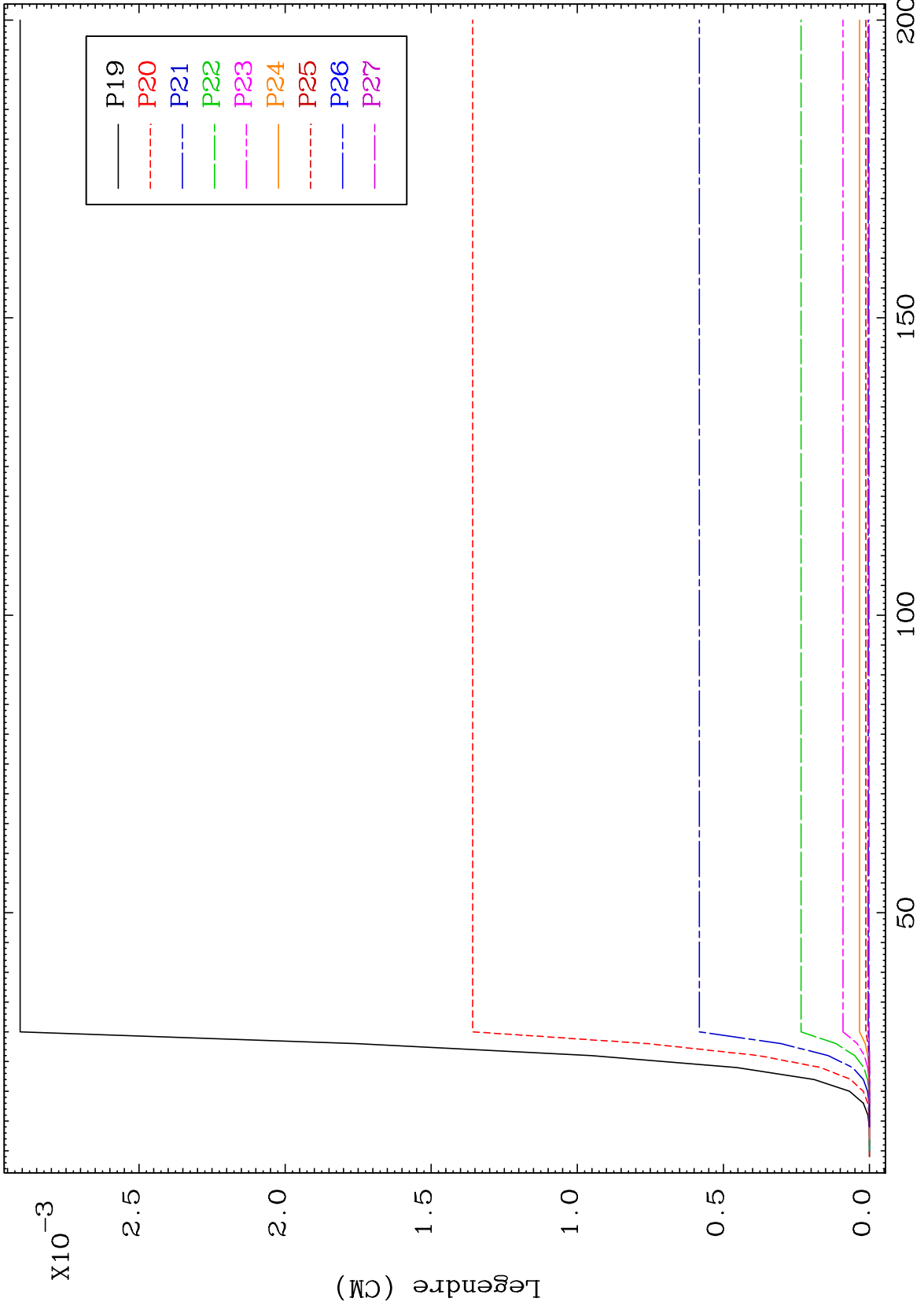
133 40-Zr-97

MAT 4046 MT= 80 (n,n') Level Legendre Coefficients 40-Zr-97



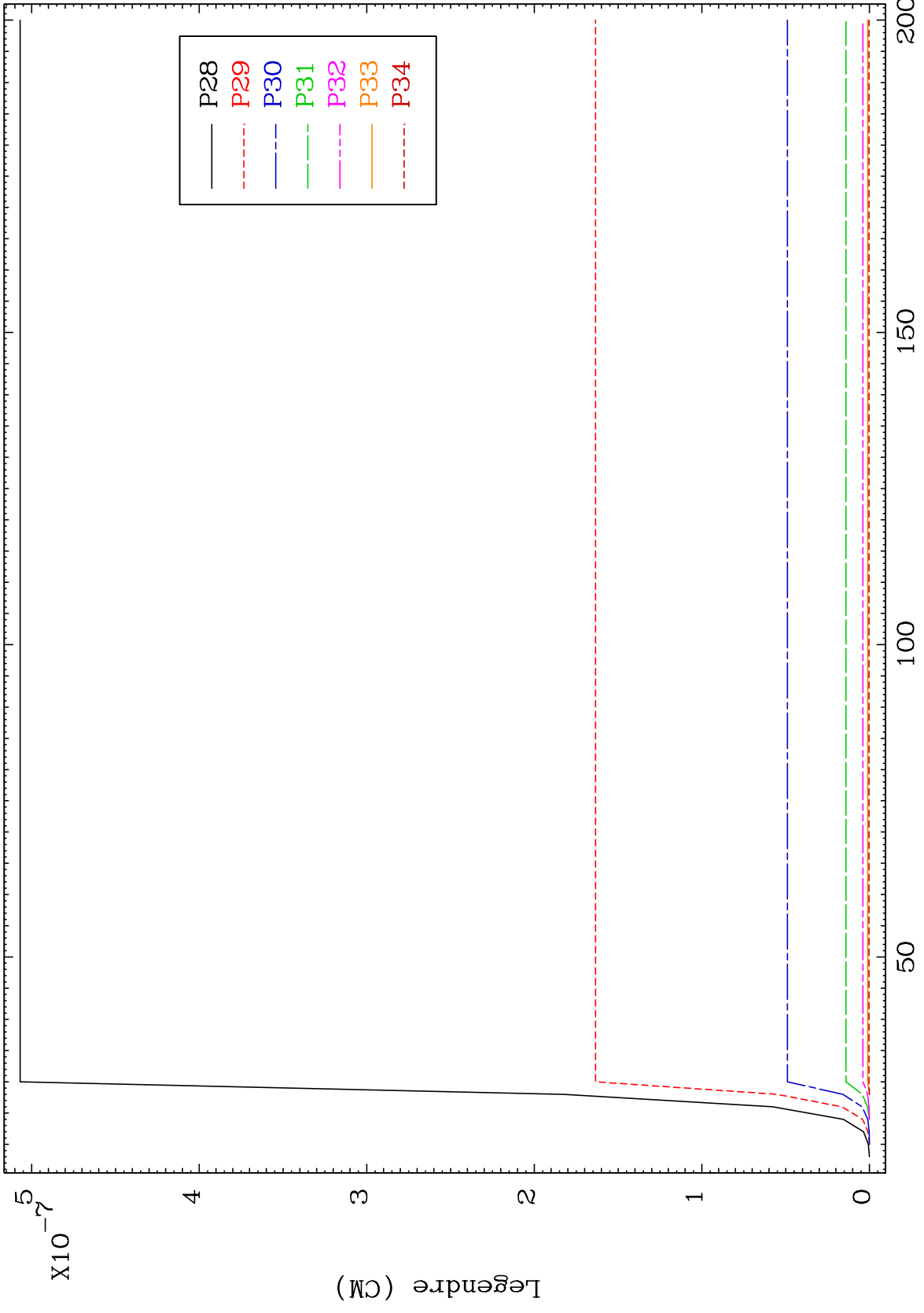
134 40-Zr-97

MAT 4046 MT= 80 (n,n') Level Legendre Coefficients 40-Zr-97



135 Incident Energy (MeV) 40-Zr-97

MAT 4046 MT= 80 (n,n') Level Legendre Coefficients 40-Zr-97



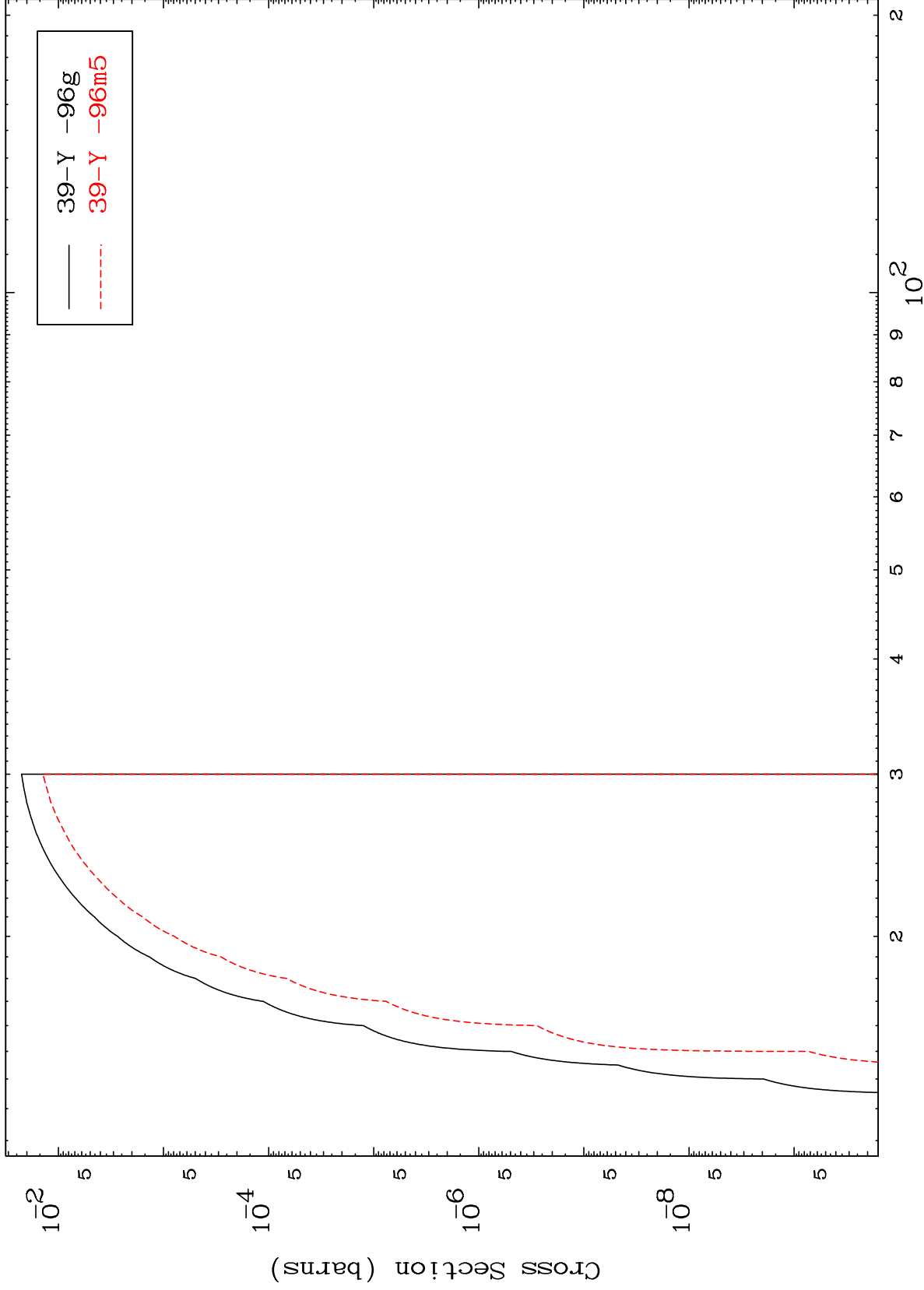
136 40-Zr-97

MAT 4046

(n,n') p

40-Zr-97

Radionuclide Production Cross Section



137

Incident Energy (MeV)

40-Zr-97

