

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

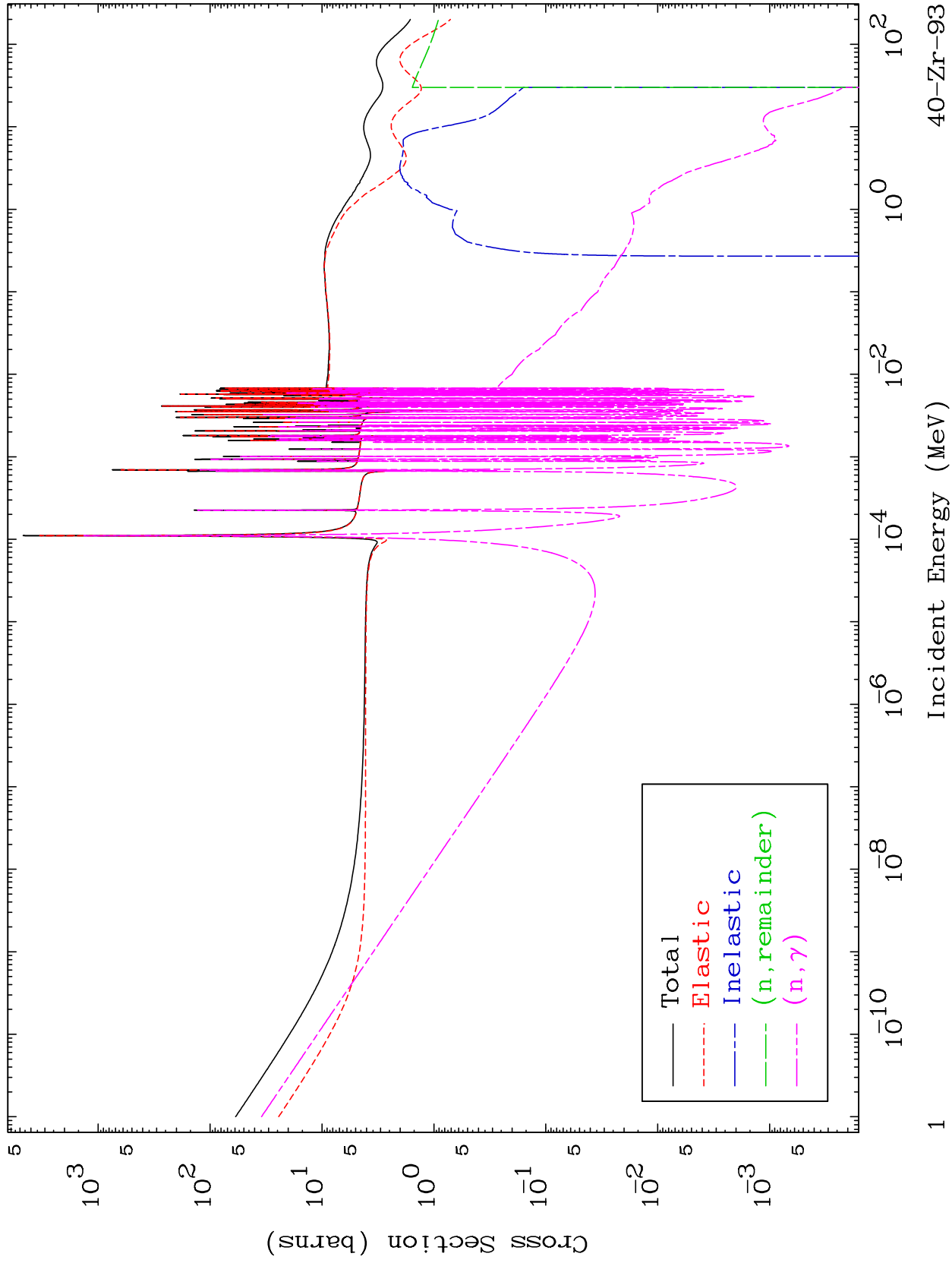
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4034

Major  
293 Kelvin Cross Sections

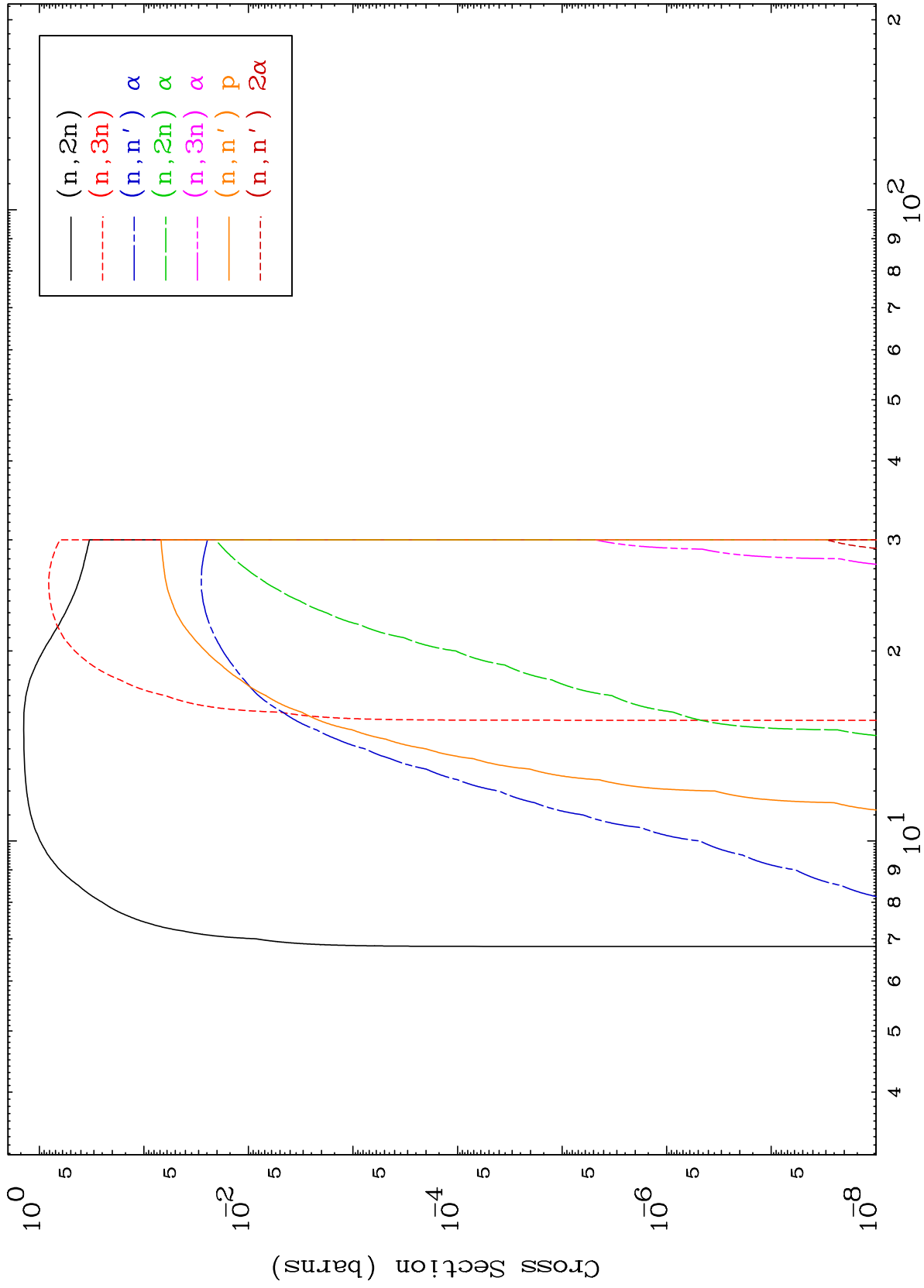
40-Zr-93



MAT 4034

Neutron Production  
293 Kelvin Cross Sections

40-Zr-93



2

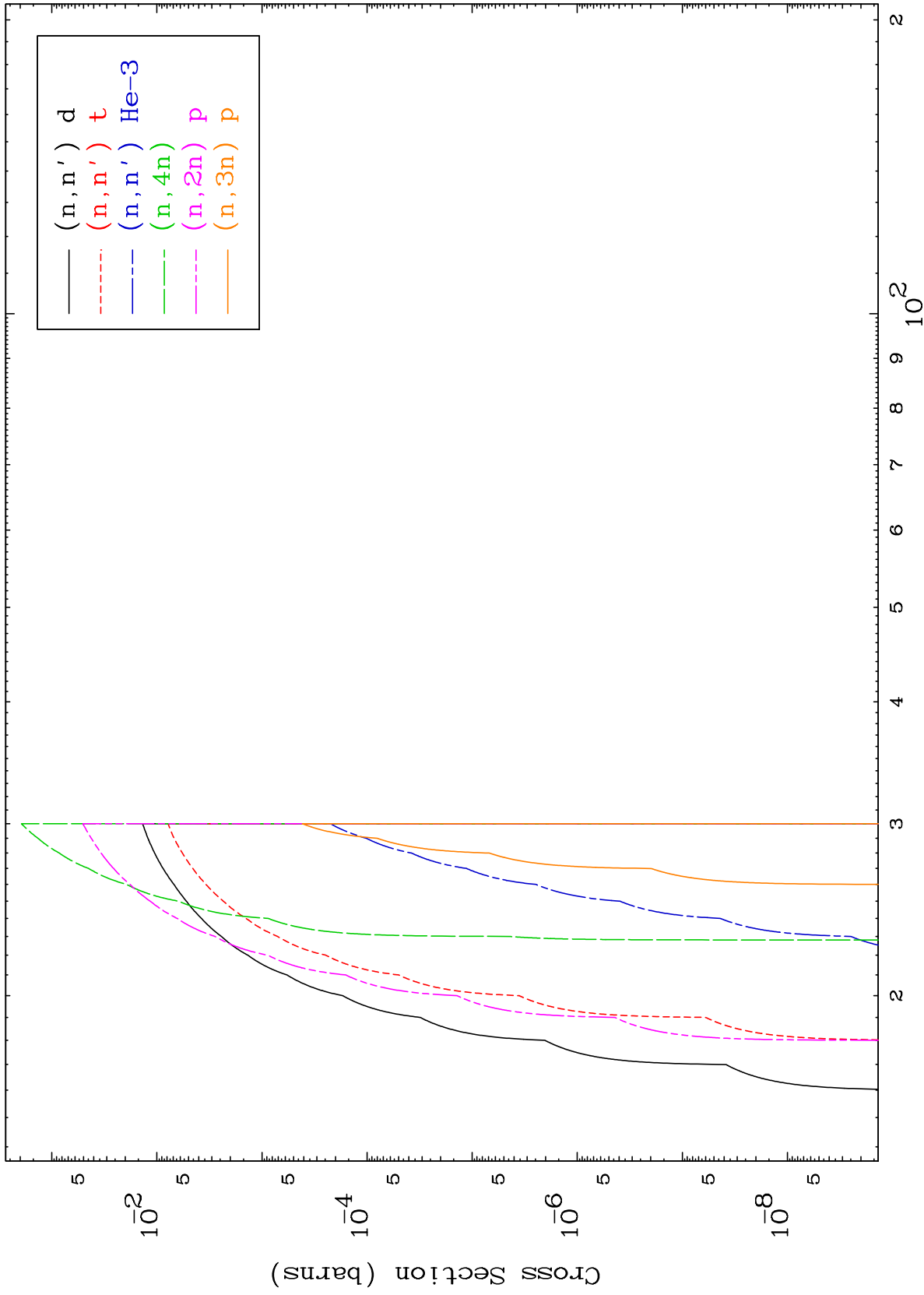
Incident Energy (MeV)

40-Zr-93

MAT 4034

### Neutron Production 293 Kelvin Cross Sections

40-Zr-93



3

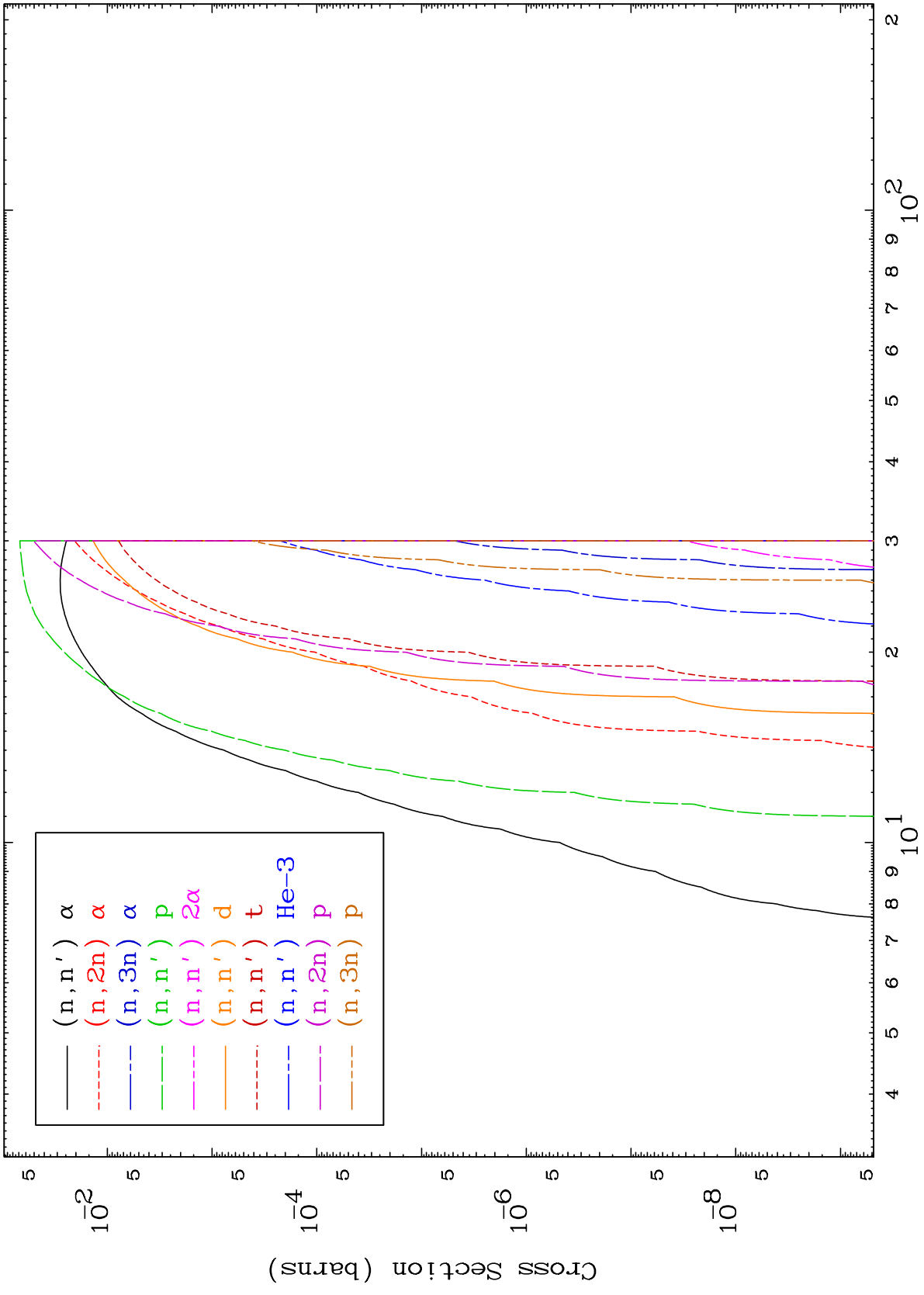
Incident Energy (MeV)

40-Zr-93

MAT 4034

Charged Particle  
293 Kelvin Cross Sections

40-Zr-93



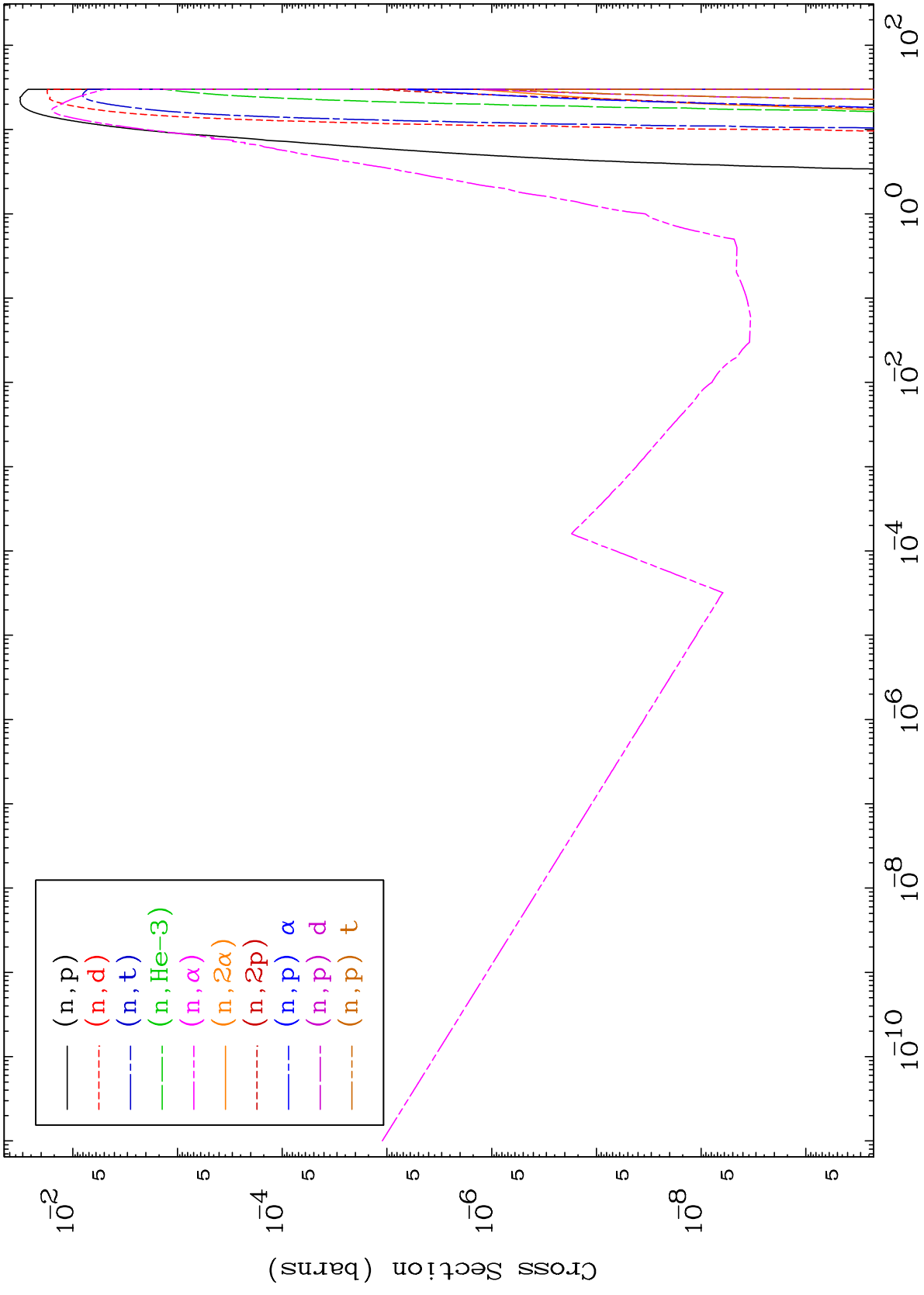
Incident Energy (MeV)

40-Zr-93

MAT 4034

293 Kelvin Cross Sections

40-Zr-93



5

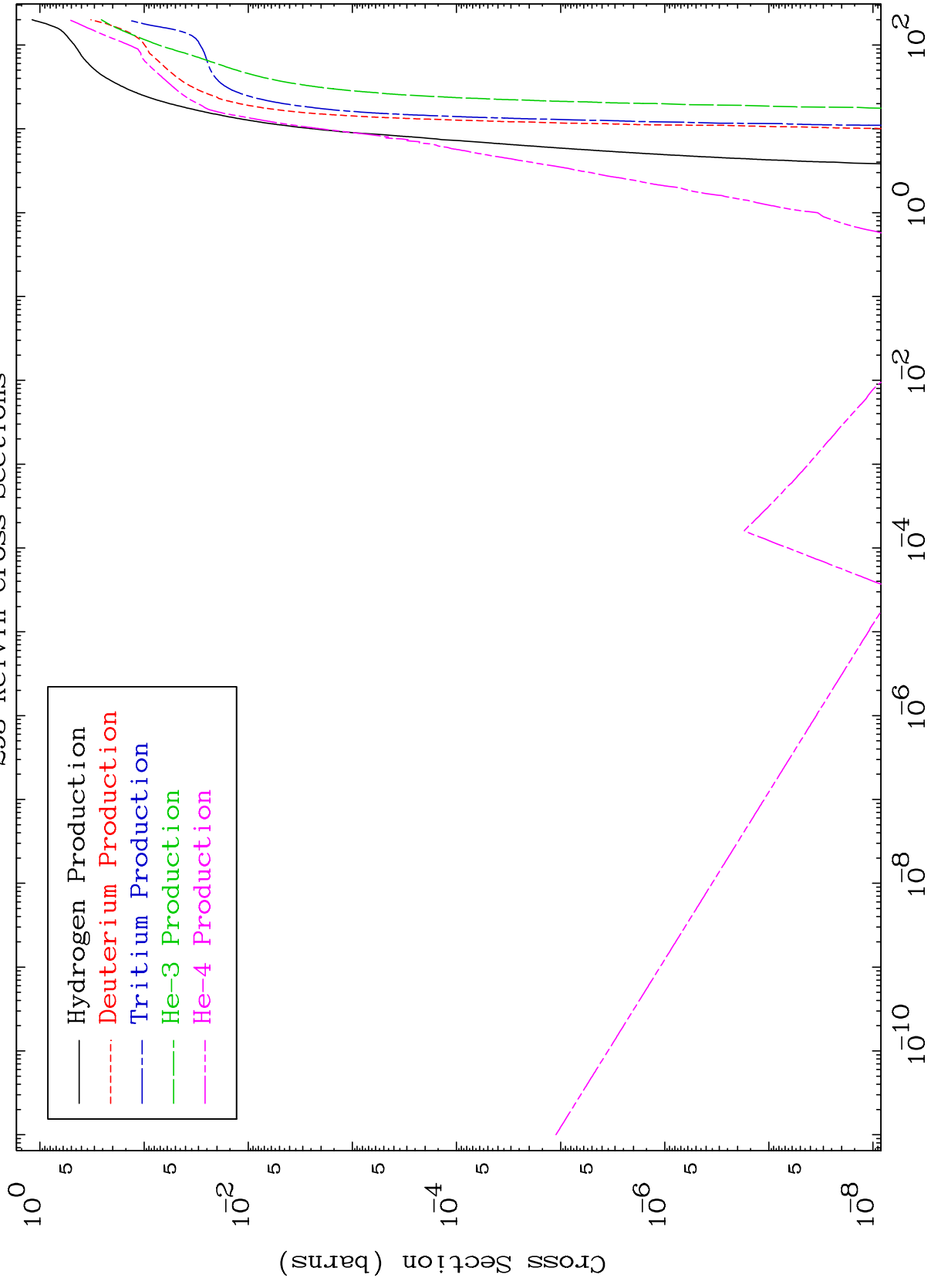
Incident Energy (MeV)

40-Zr-93

MAT 4034

Particle Production  
293 Kelvin Cross Sections

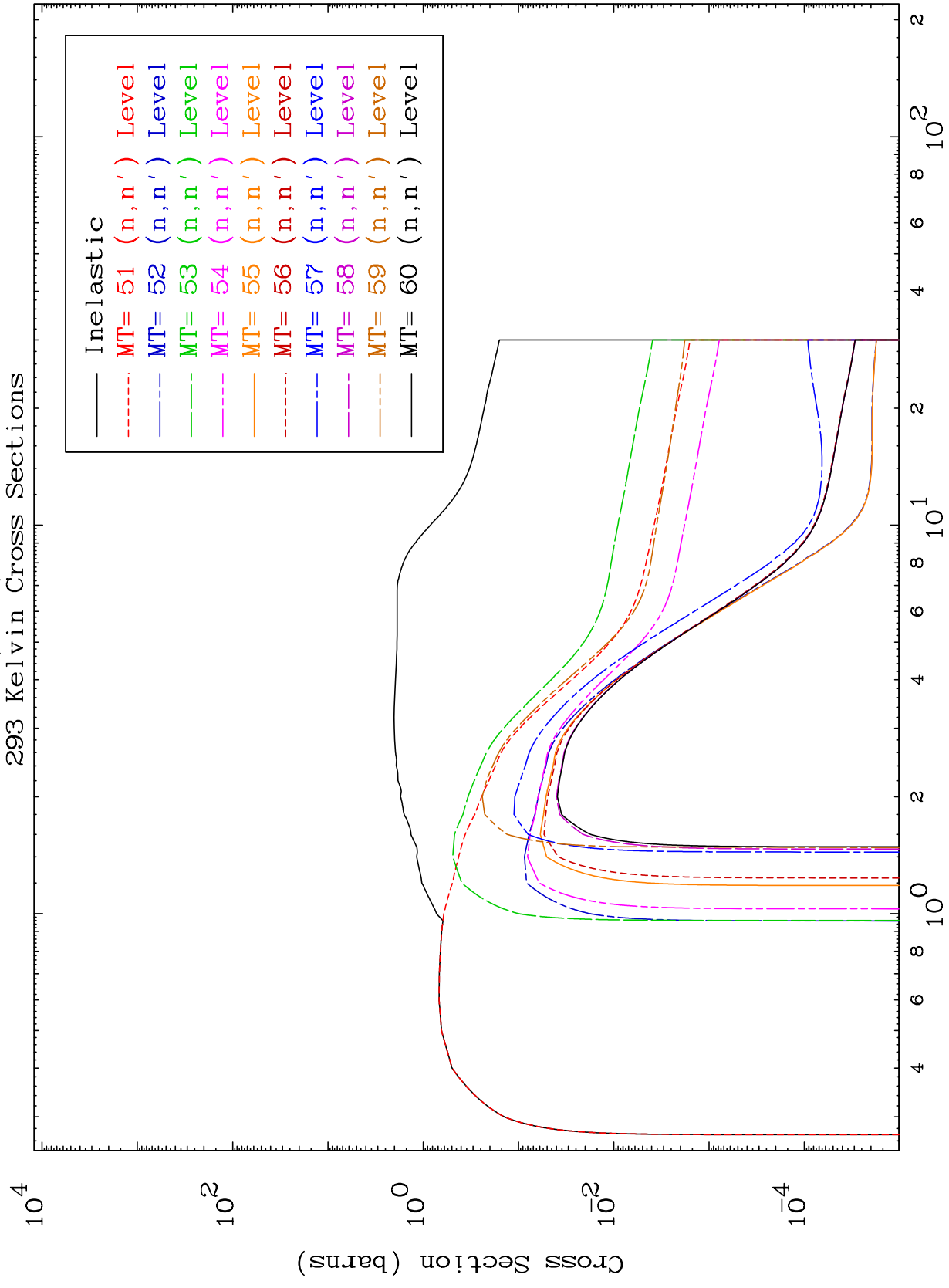
40-Zr-93



MAT 4034

(n,n') Level

40-Zr-93



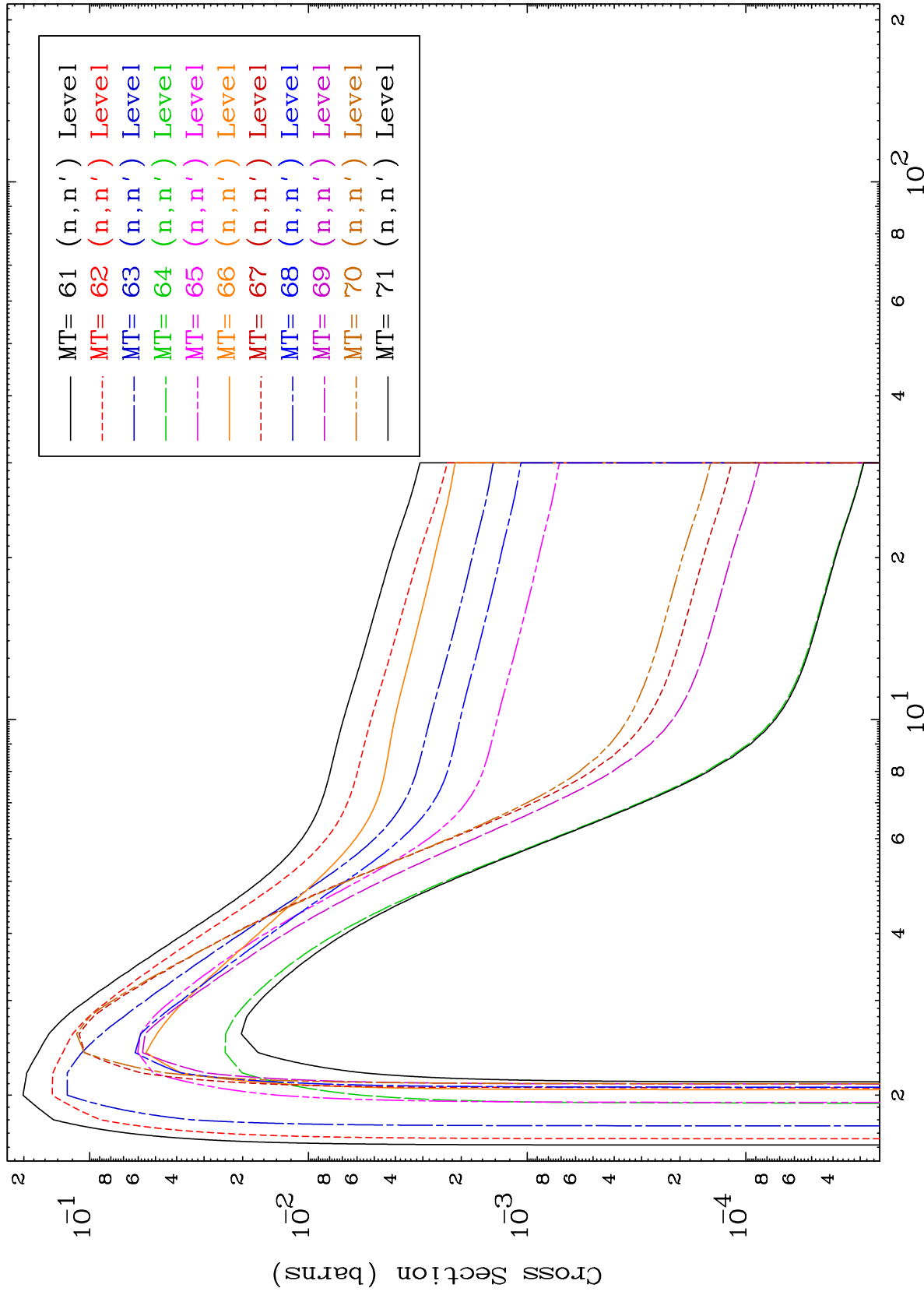


MAT 4034

(n,n') Level

40-Zr-93

293 Kelvin Cross Sections



8

Incident Energy (MeV)

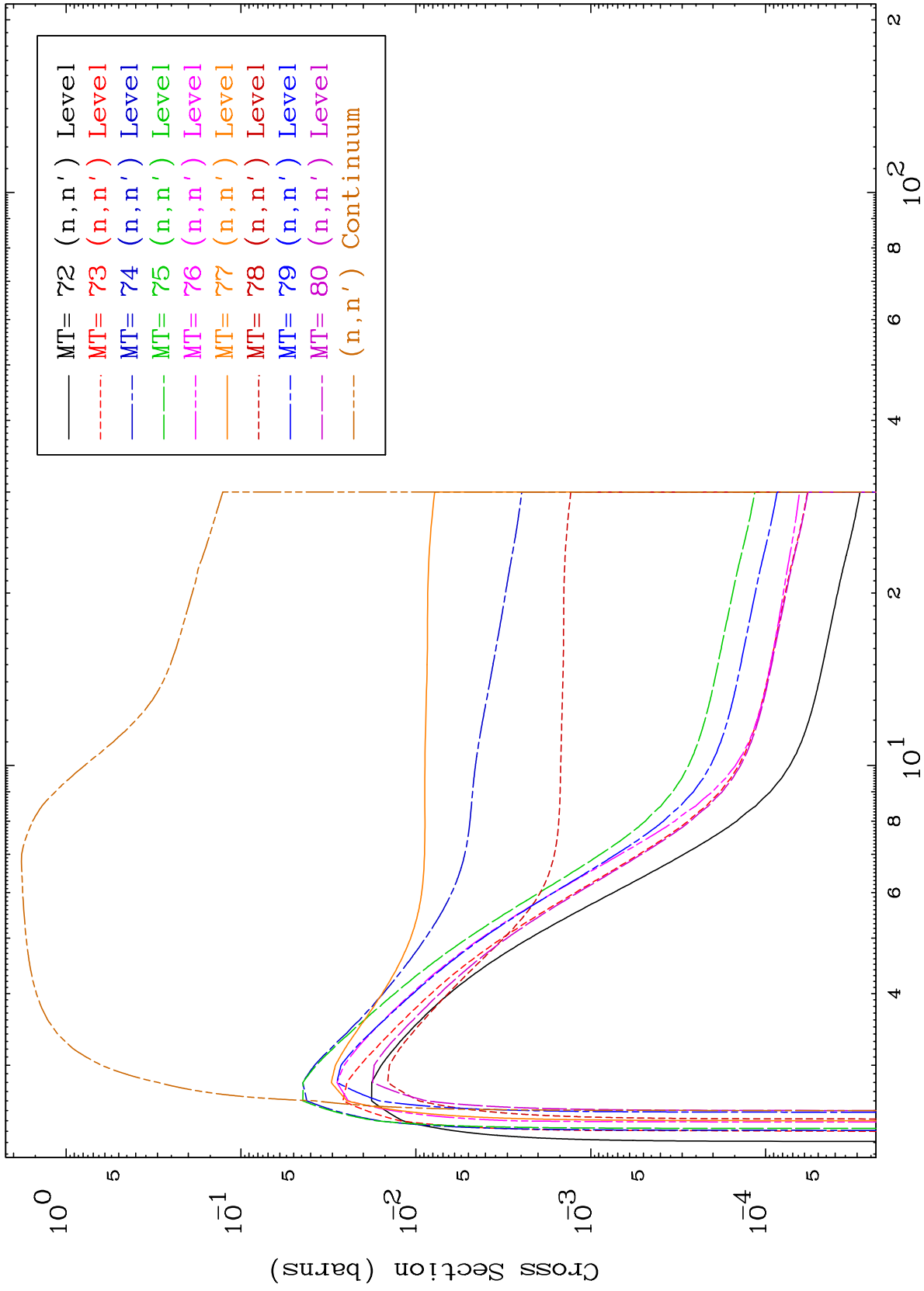
40-Zr-93

MAT 4034

(n,n') Level

40-Zr-93

293 Kelvin Cross Sections



9

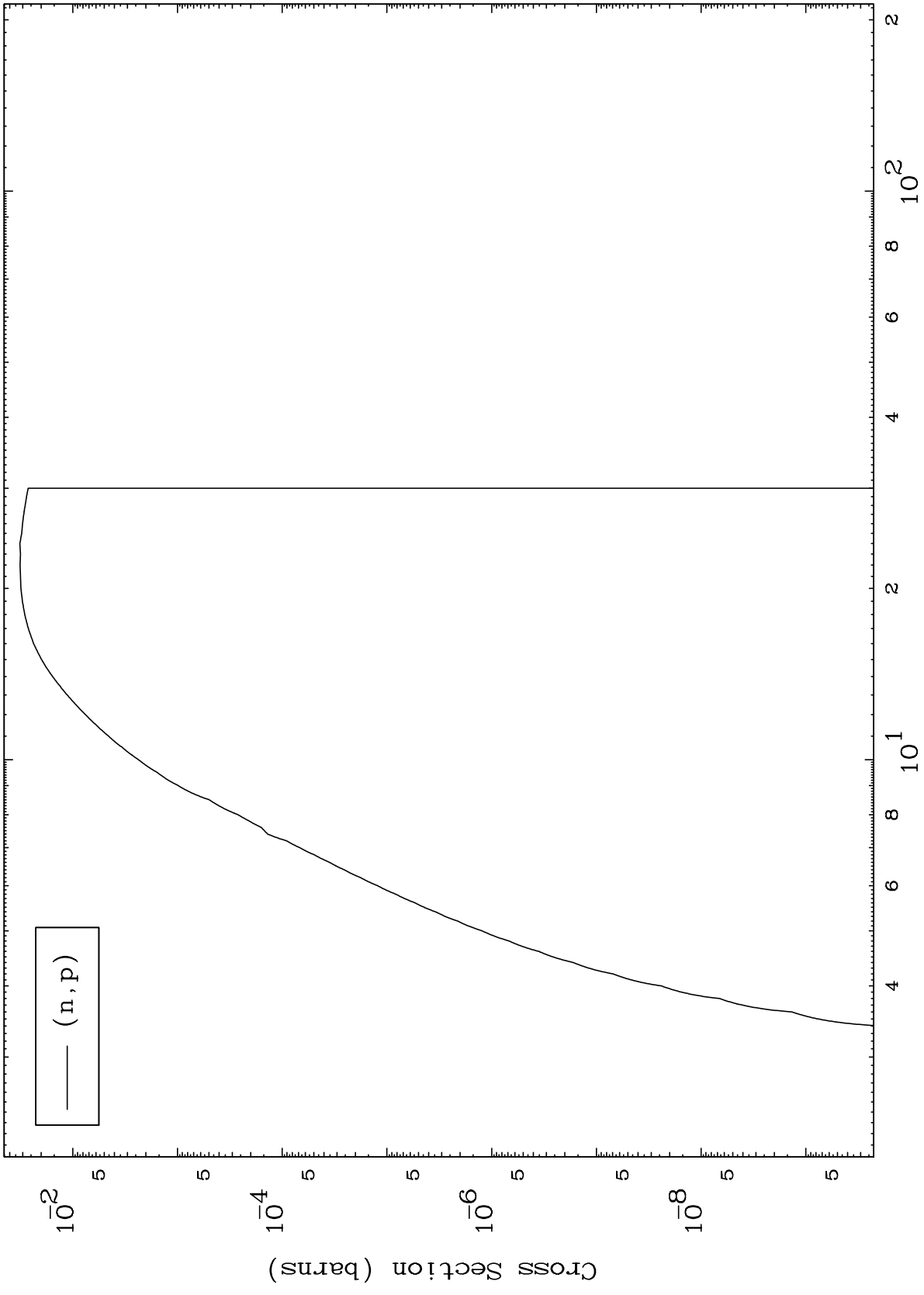
Incident Energy (MeV)

40-Zr-93

MAT 4034

(n,p) Levels  
293 Kelvin Cross Sections

40-Zr-93



10

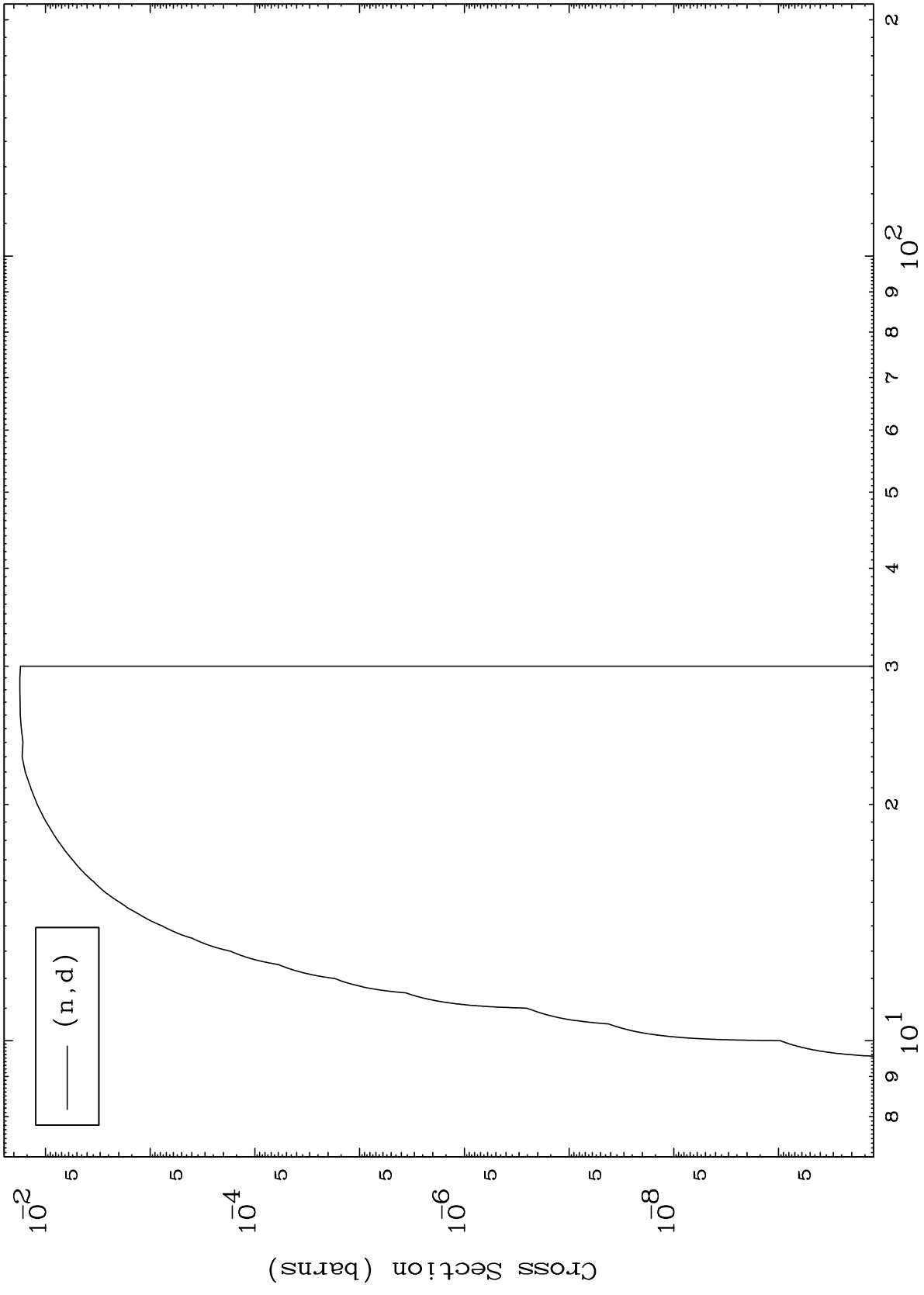
Incident Energy (MeV)

40-Zr-93

MAT 4034

(n,d) Levels  
293 Kelvin Cross Sections

40-Zr-93



11

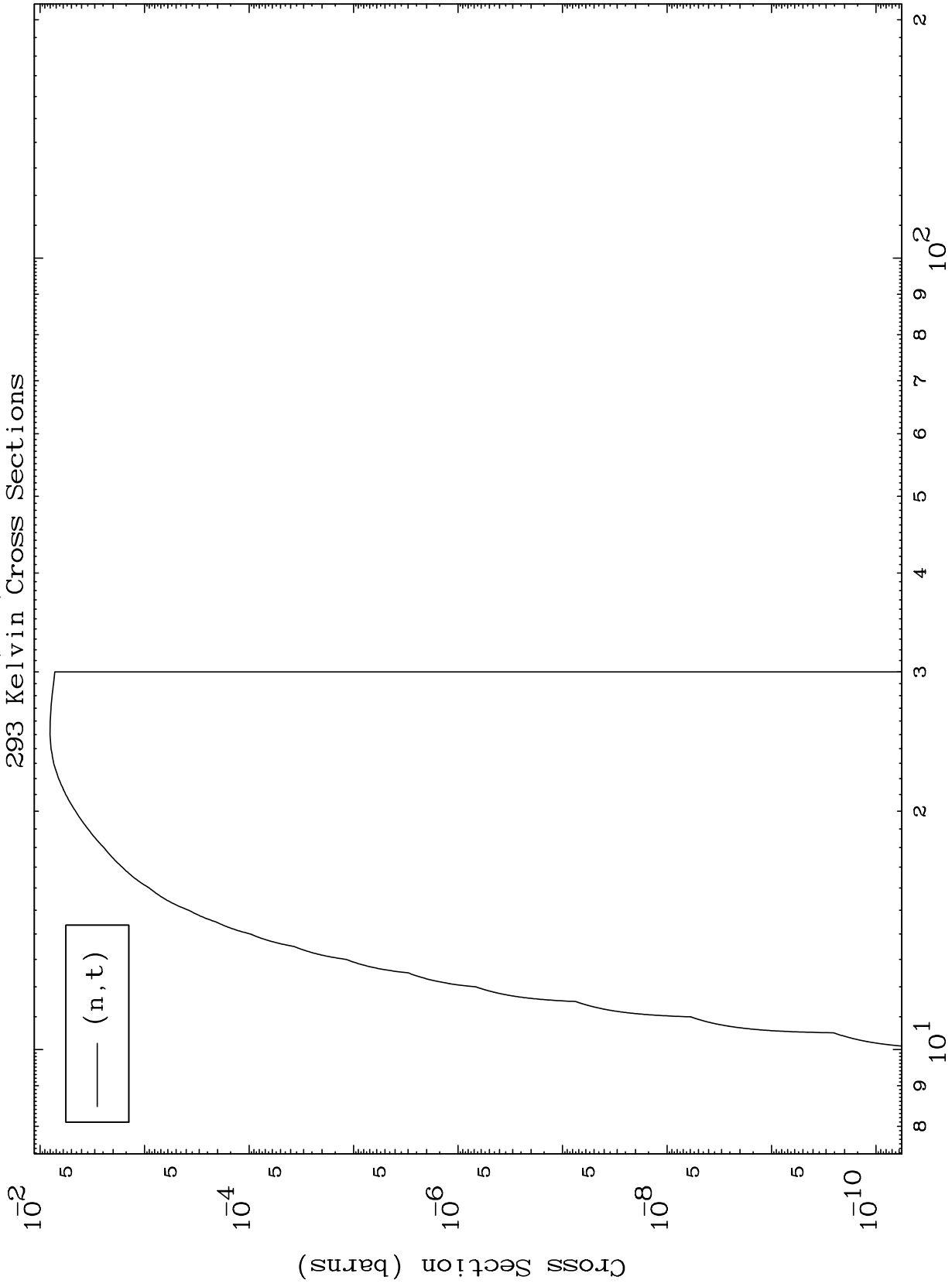
Incident Energy (MeV)

40-Zr-93

MAT 4034

(n,t) Levels  
293 Kelvin Cross Sections

40-Zr-93



12

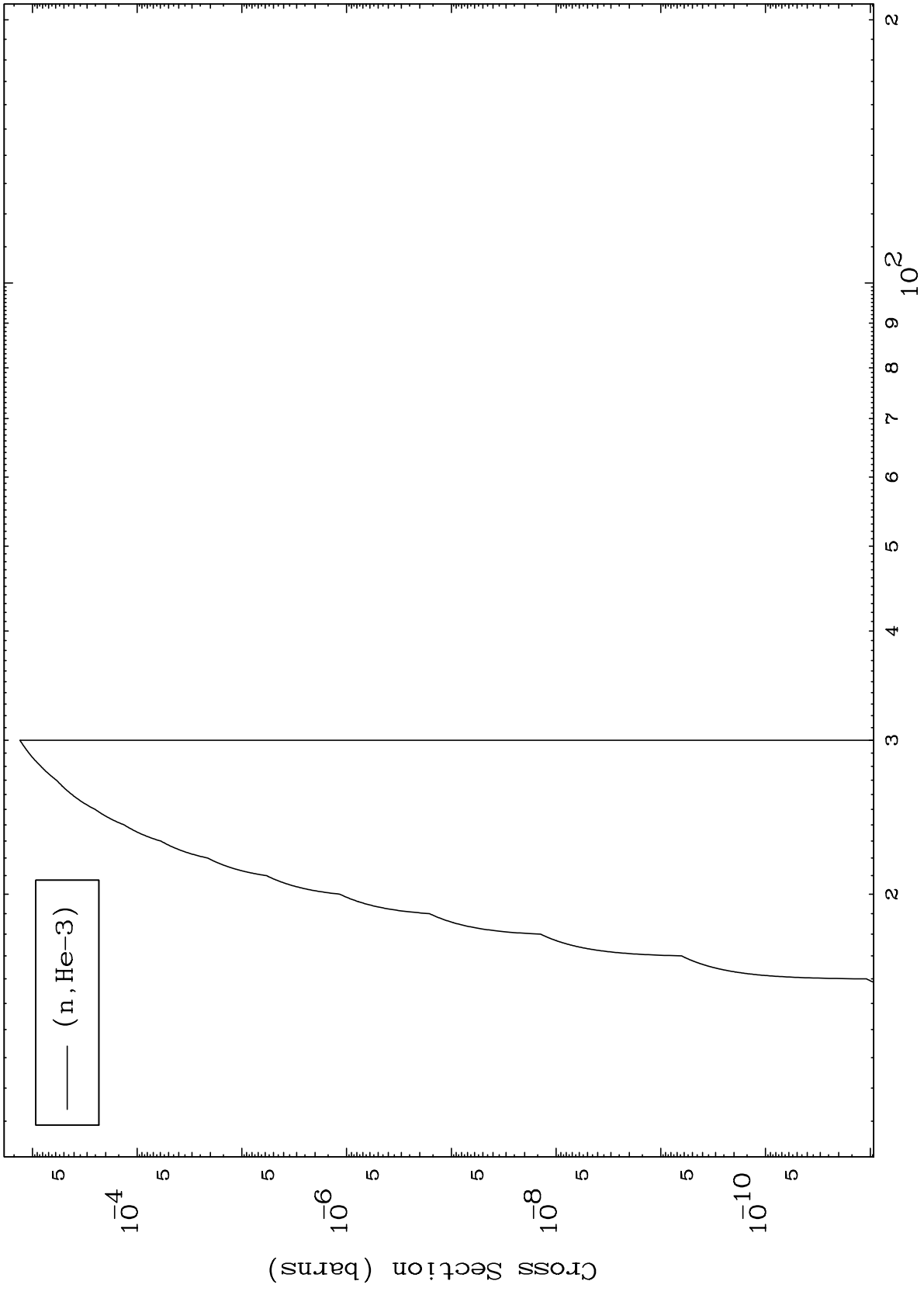
Incident Energy (MeV)

40-Zr-93

MAT 4034

(n,He3) Levels  
293 Kelvin Cross Sections

40-Zr-93



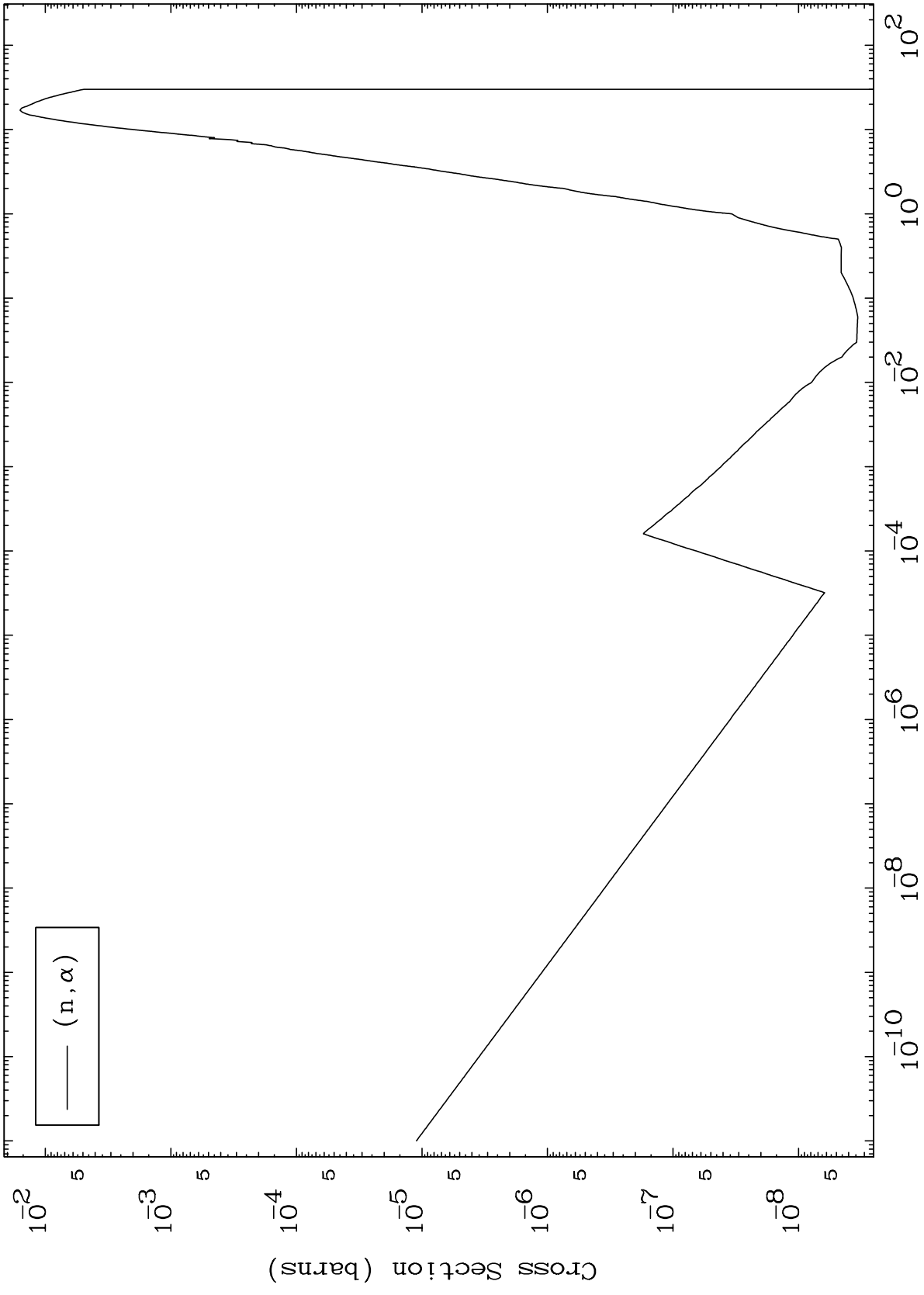
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40-Zr-93

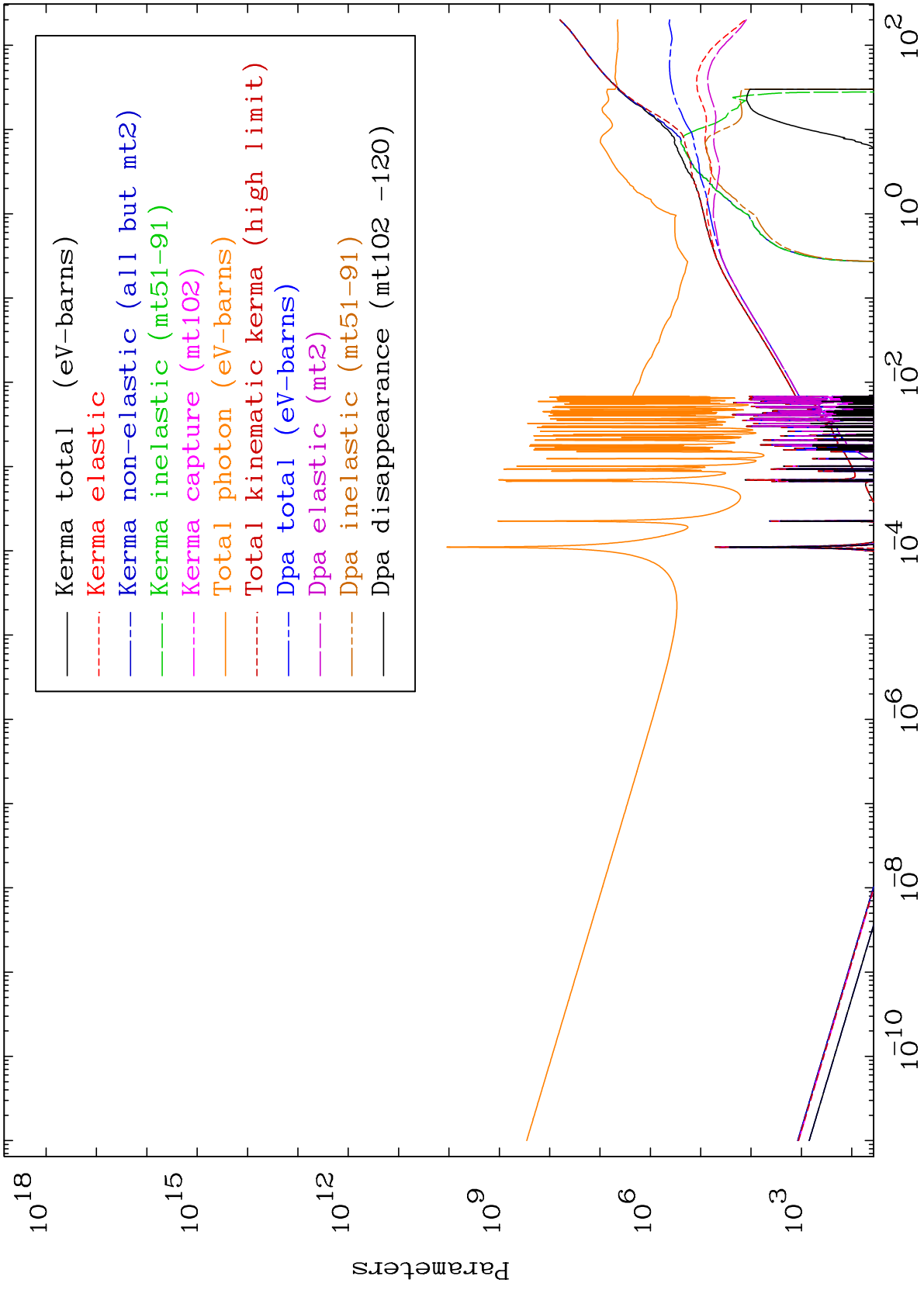
MAT 4034

(n,α) Levels  
293 Kelvin Cross Sections

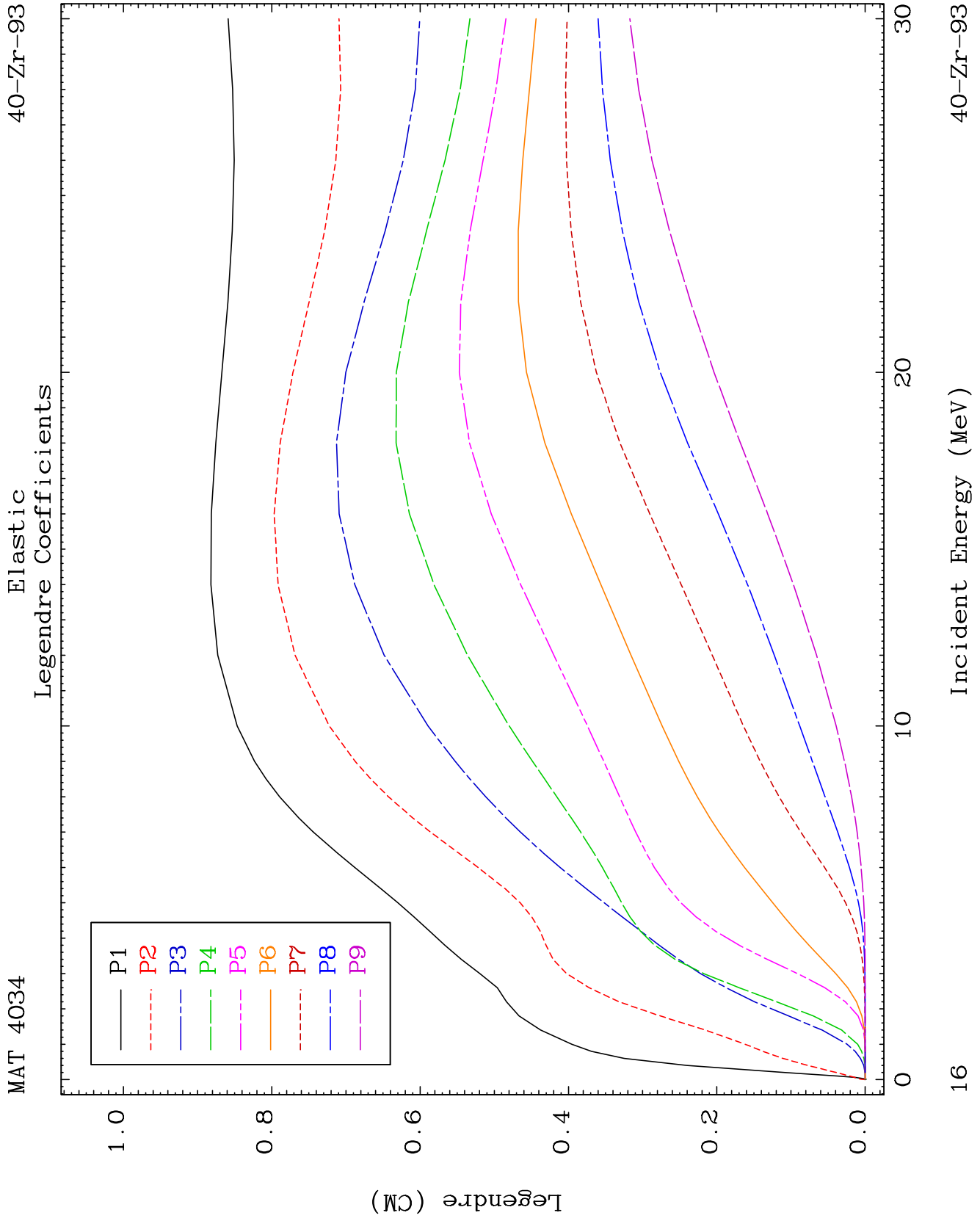
40-Zr-93



(n,α)



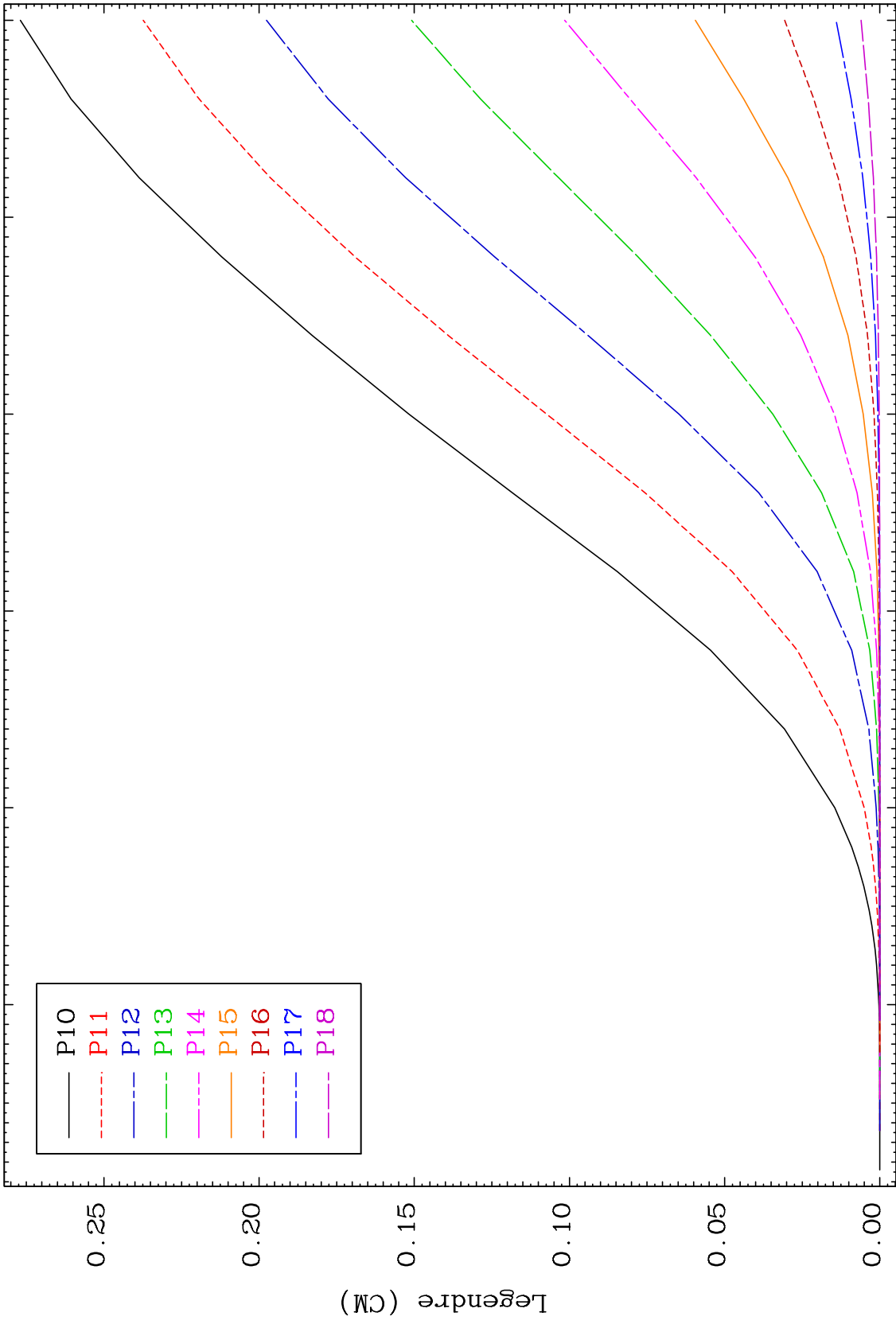




MAT 4034

Elastic Legendre Coefficients

40-Zr-93



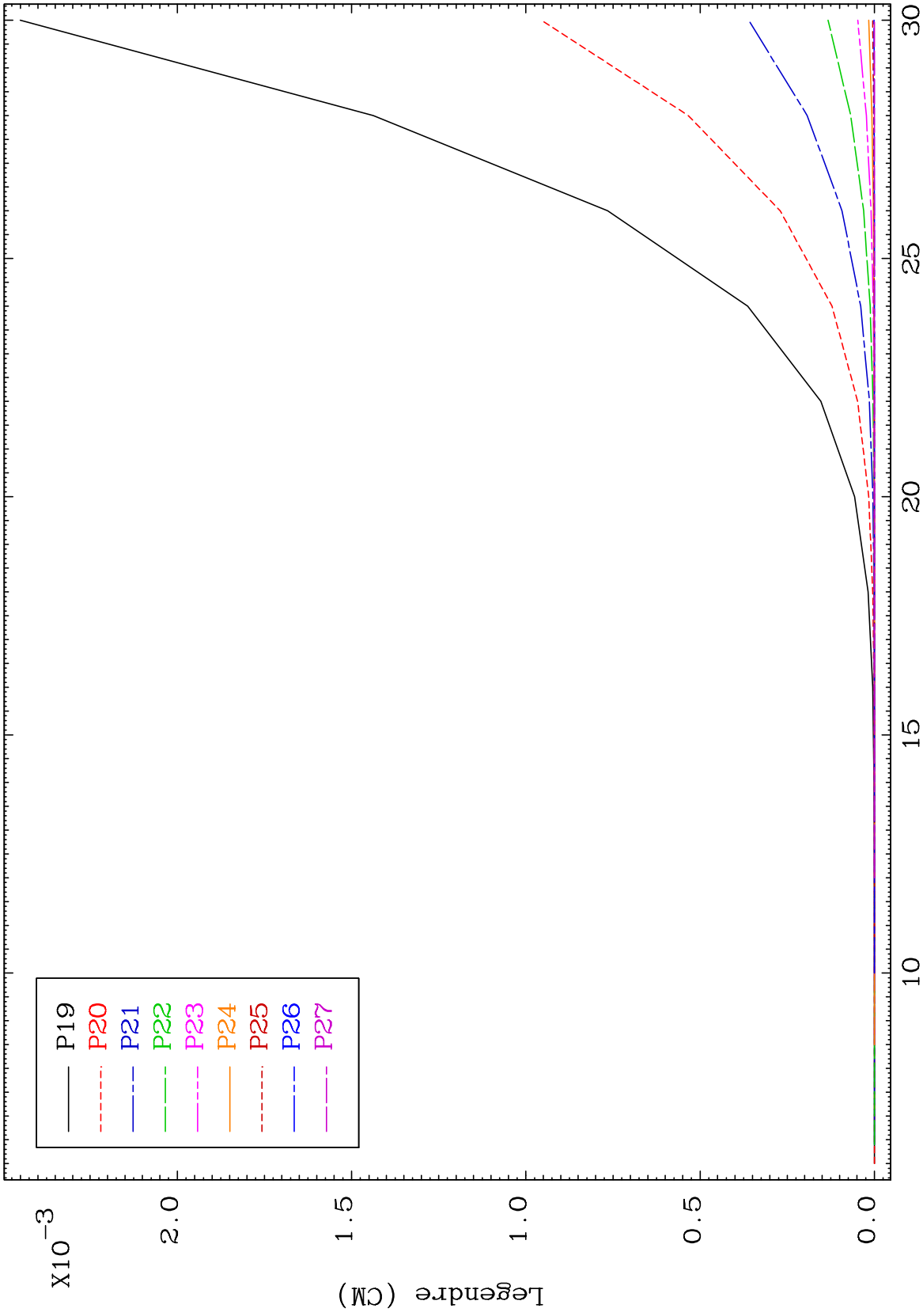
17

40-Zr-93

MAT 4034

### Elastic Legendre Coefficients

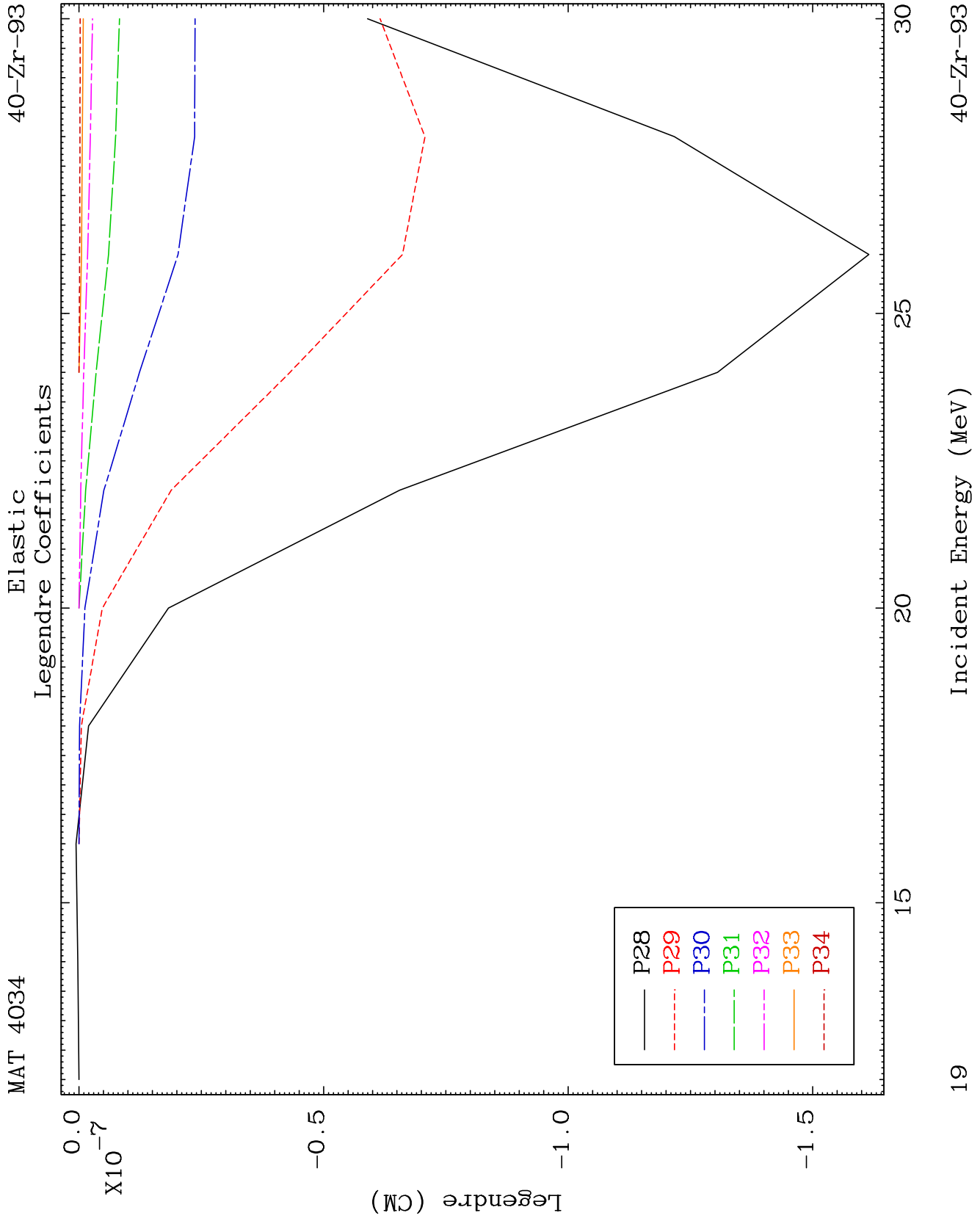
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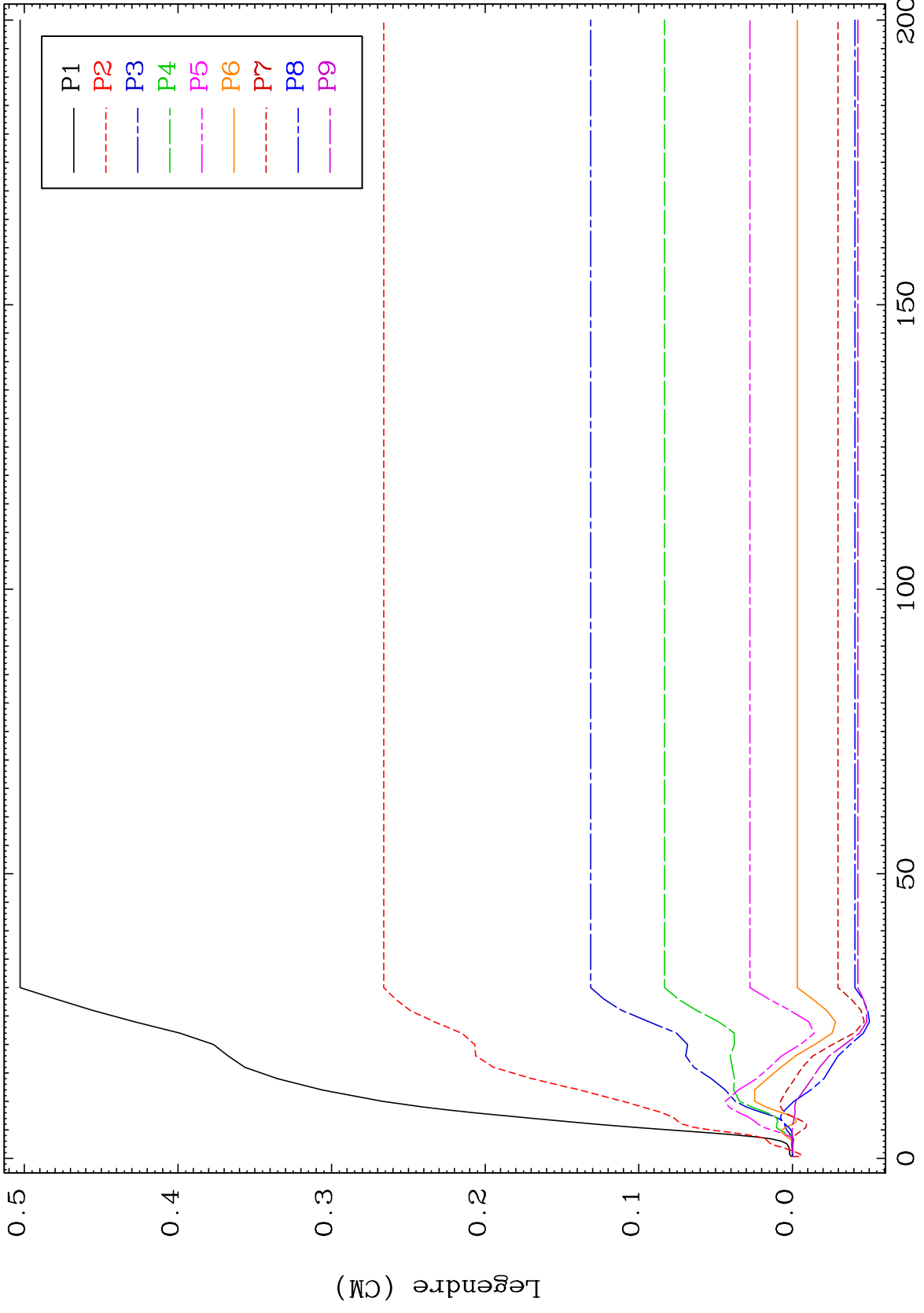
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Incident Energy (MeV)

40-Zr-93



MAT 4034 MT= 51 (n,n') Level Legendre Coefficients 40-Zr-93

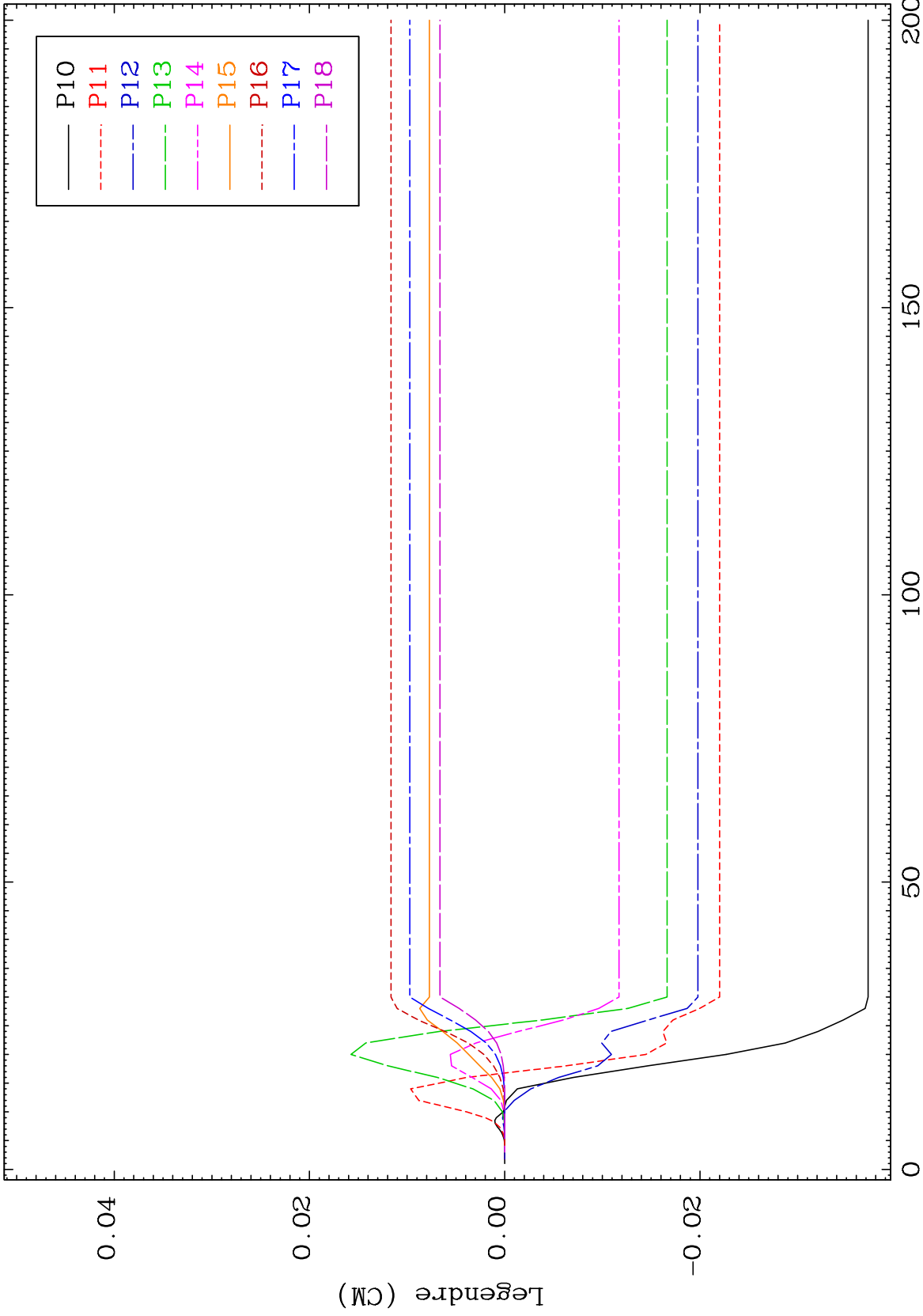


Legendre (CM) Incident Energy (MeV) 40-Zr-93

MAT 4034

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

40-Zr-93



21

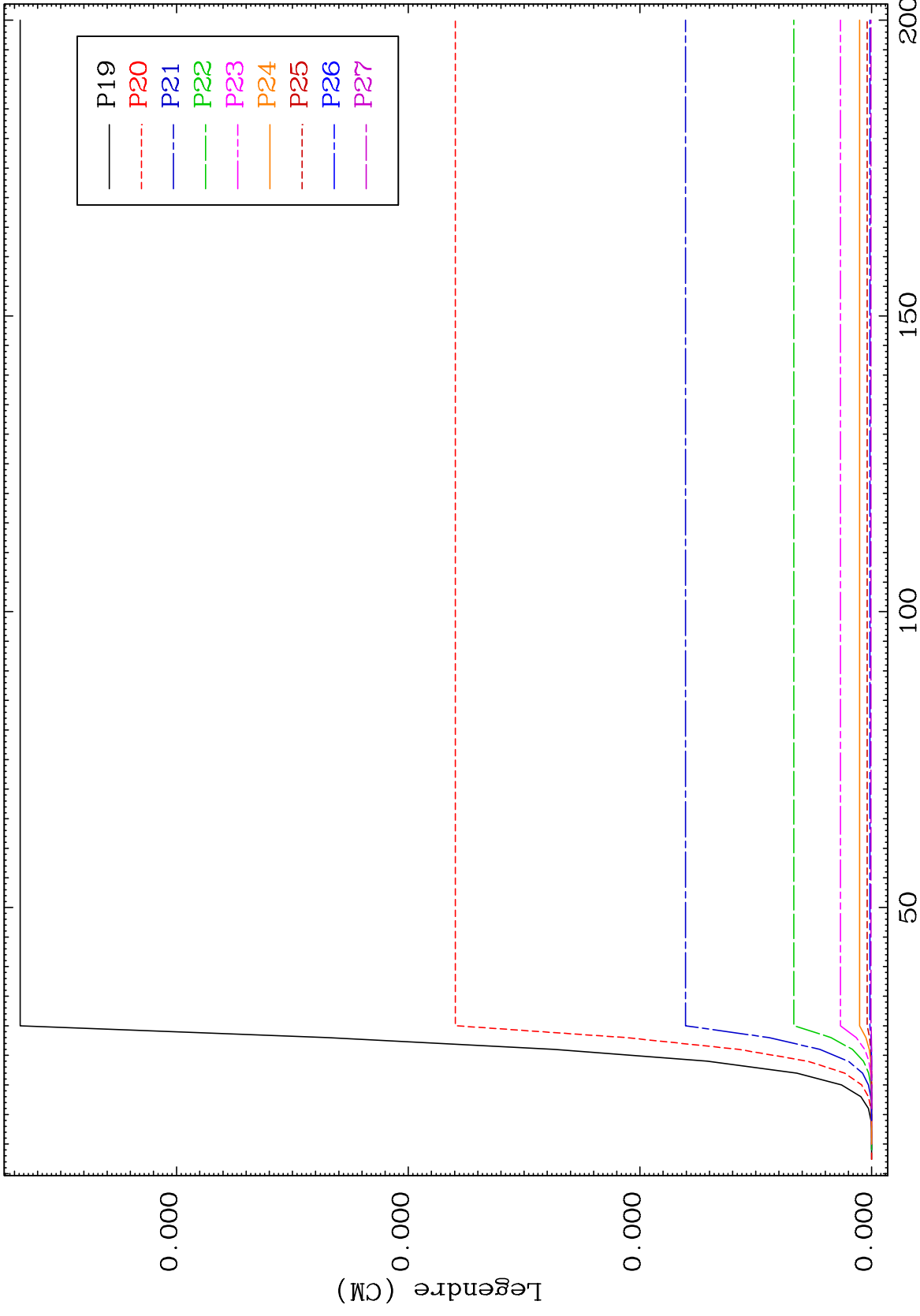
Incident Energy (MeV)

40-Zr-93

MAT 4034

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

40-Zr-93

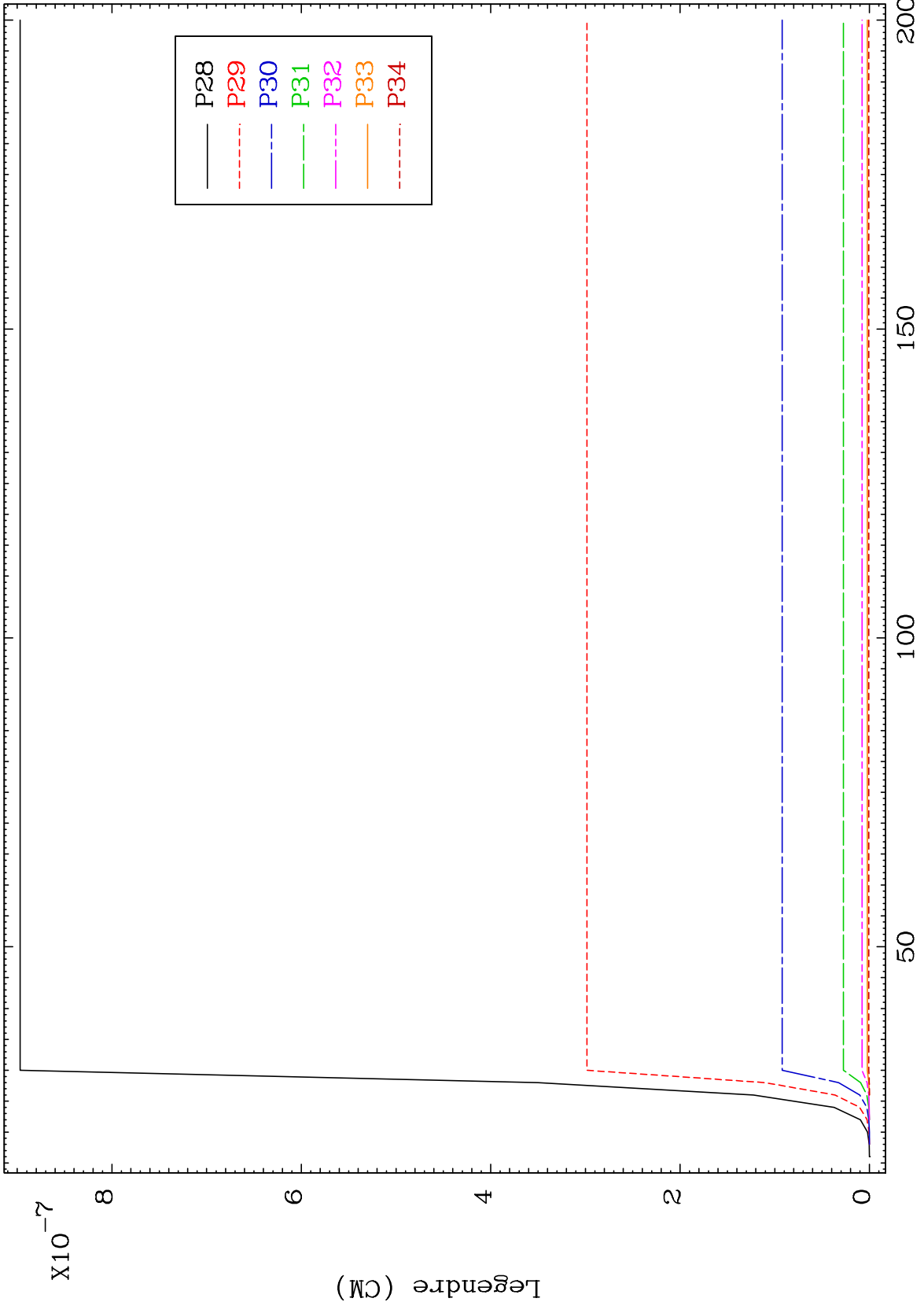


22

Incident Energy (MeV)

40-Zr-93

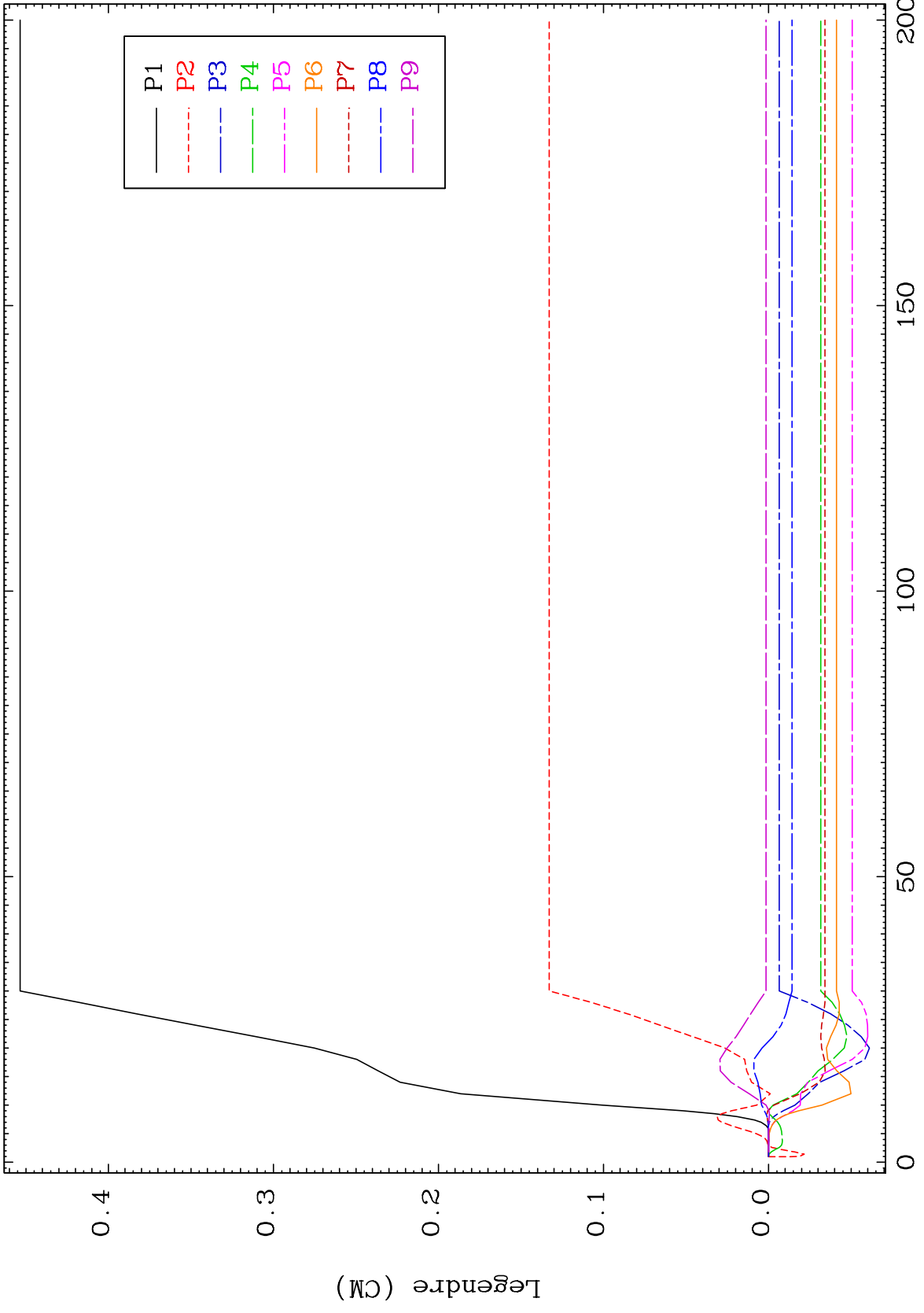
MAT 4034 MT= 51 (n,n') Level Legendre Coefficients 40-Zr-93



23 40-Zr-93

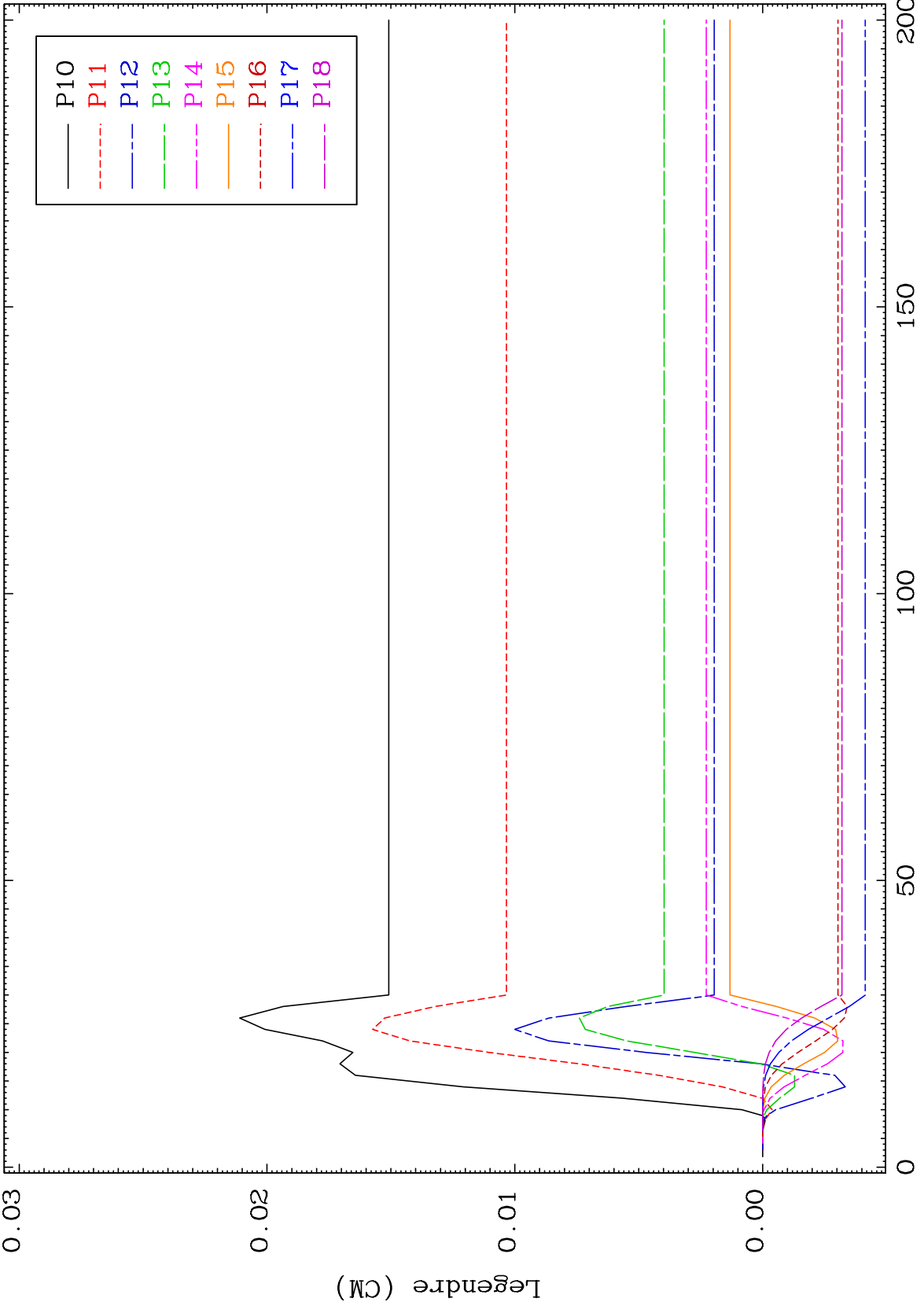


MAT 4034 MT= 52 (n,n') Level Legendre Coefficients 40-Zr-93



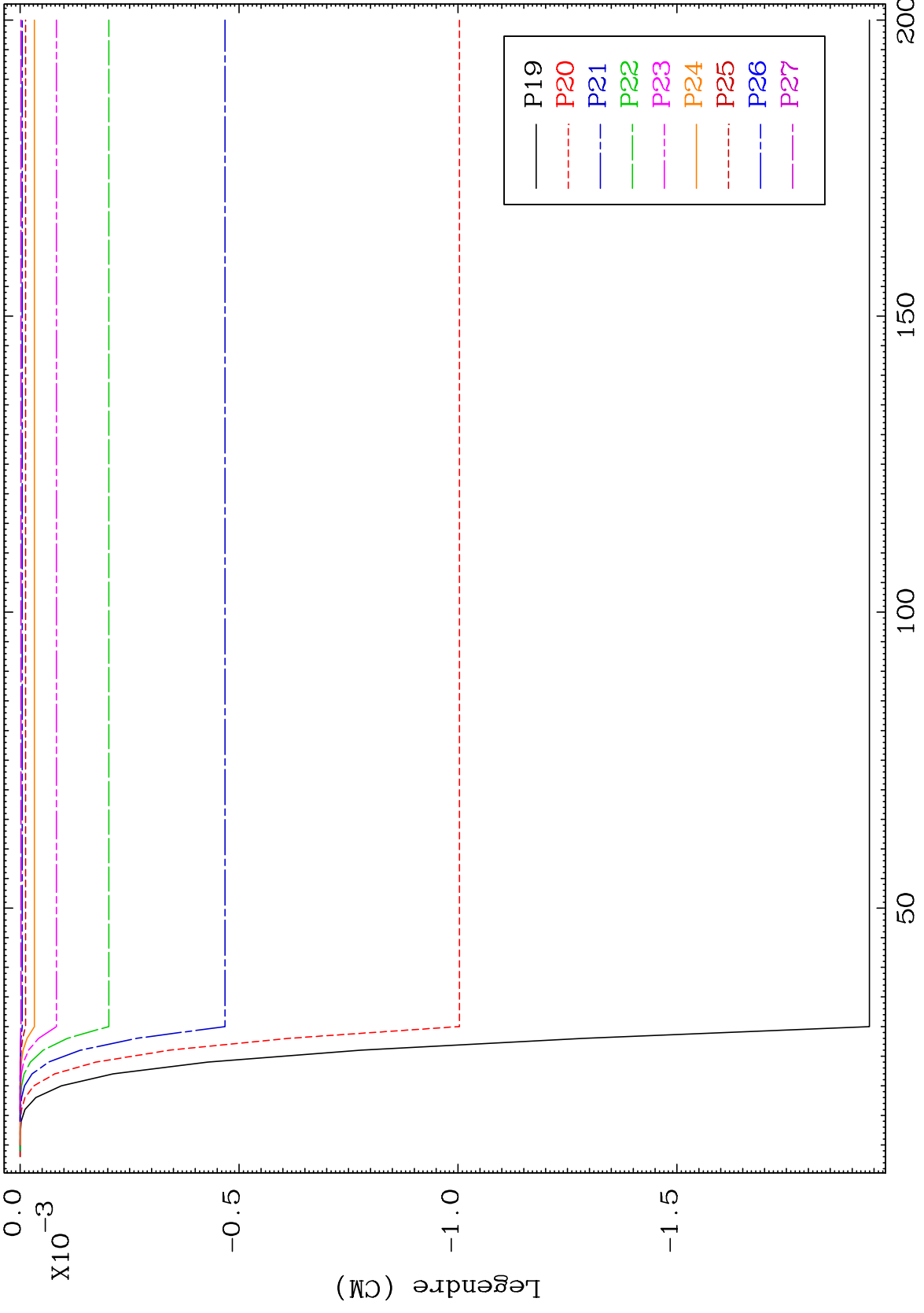
24 40-Zr-93

MAT 4034 MT= 52 (n,n') Level Legendre Coefficients 40-Zr-93

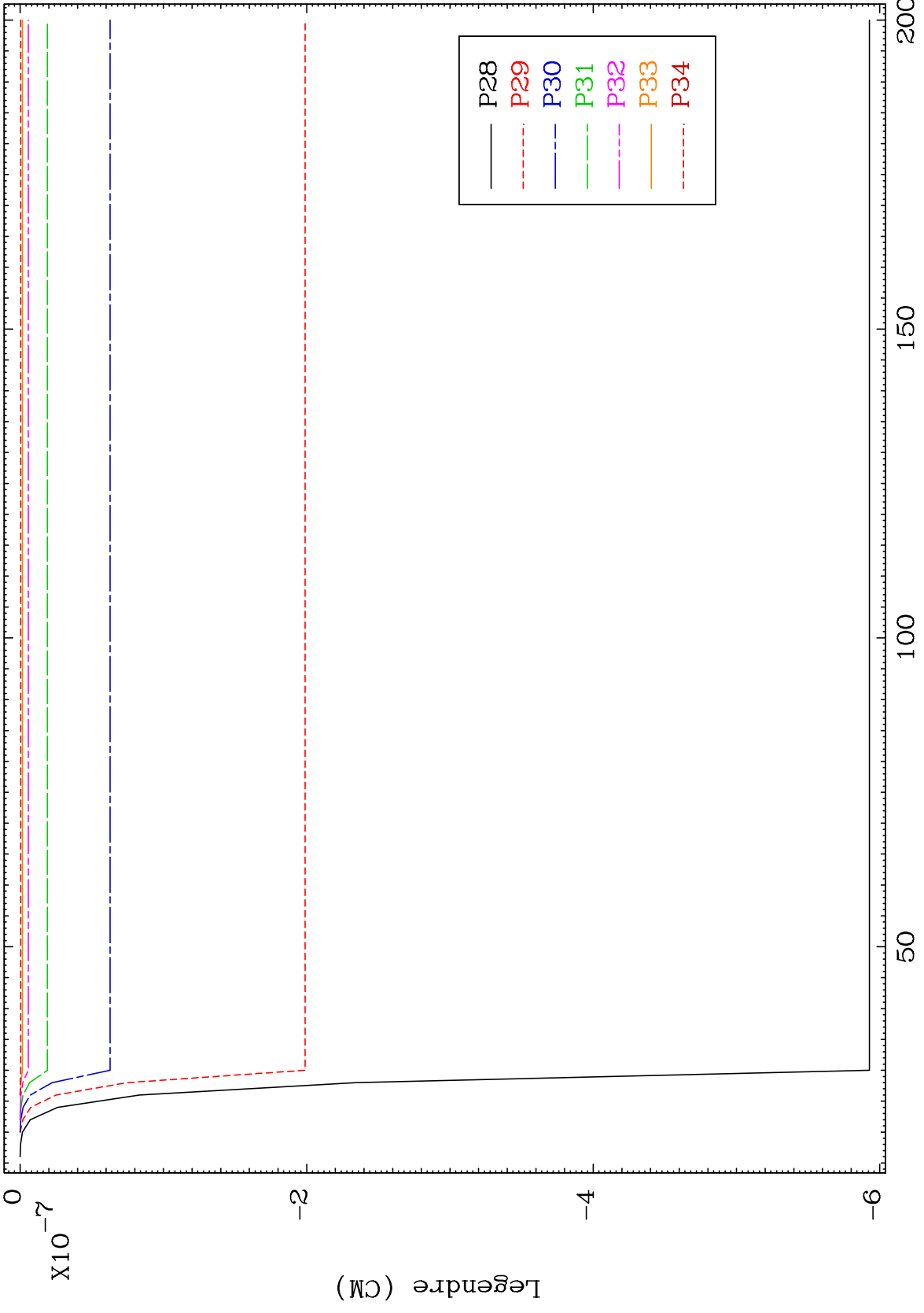


40-Zr-93

MAT 4034 MT= 52 (n,n') Level Legendre Coefficients 40-Zr-93

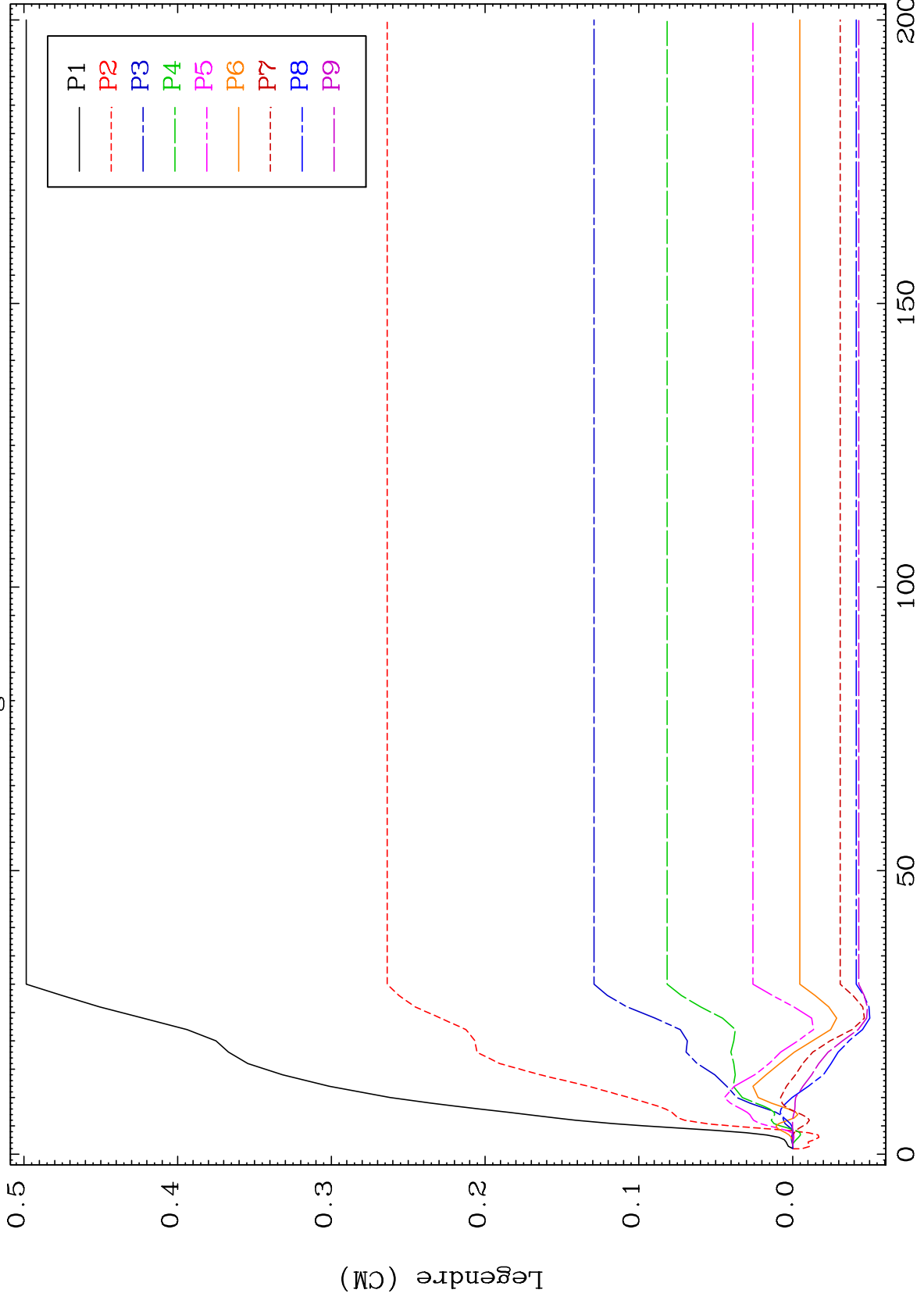


MAT 4034 MT= 52 (n,n') Level Legendre Coefficients 40-Zr-93



27 40-Zr-93

MAT 4034 MT= 53 (n,n') Level Legendre Coefficients 40-Zr-93

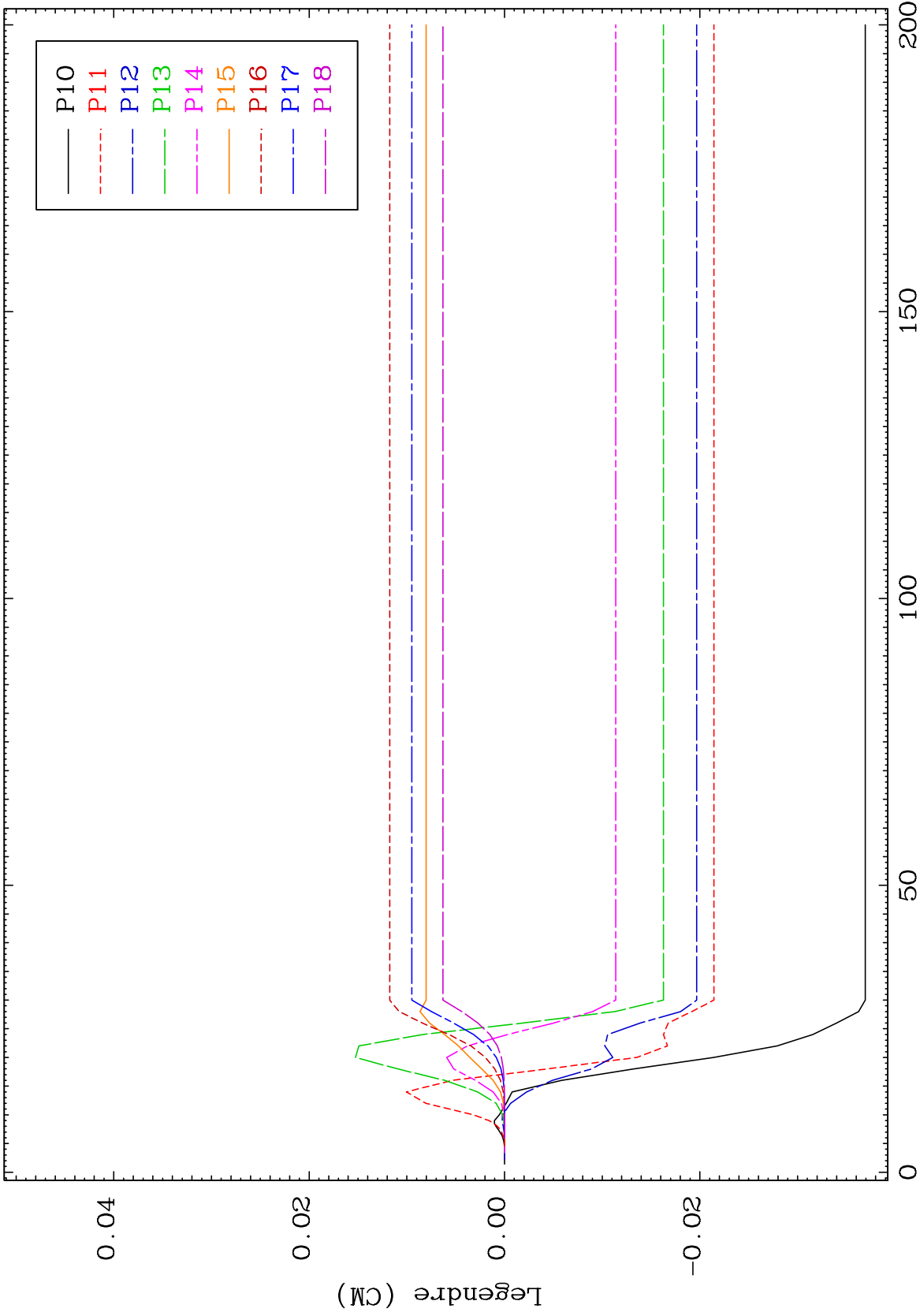


28 Incident Energy (MeV) 40-Zr-93

MAT 4034

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

40-Zr-93

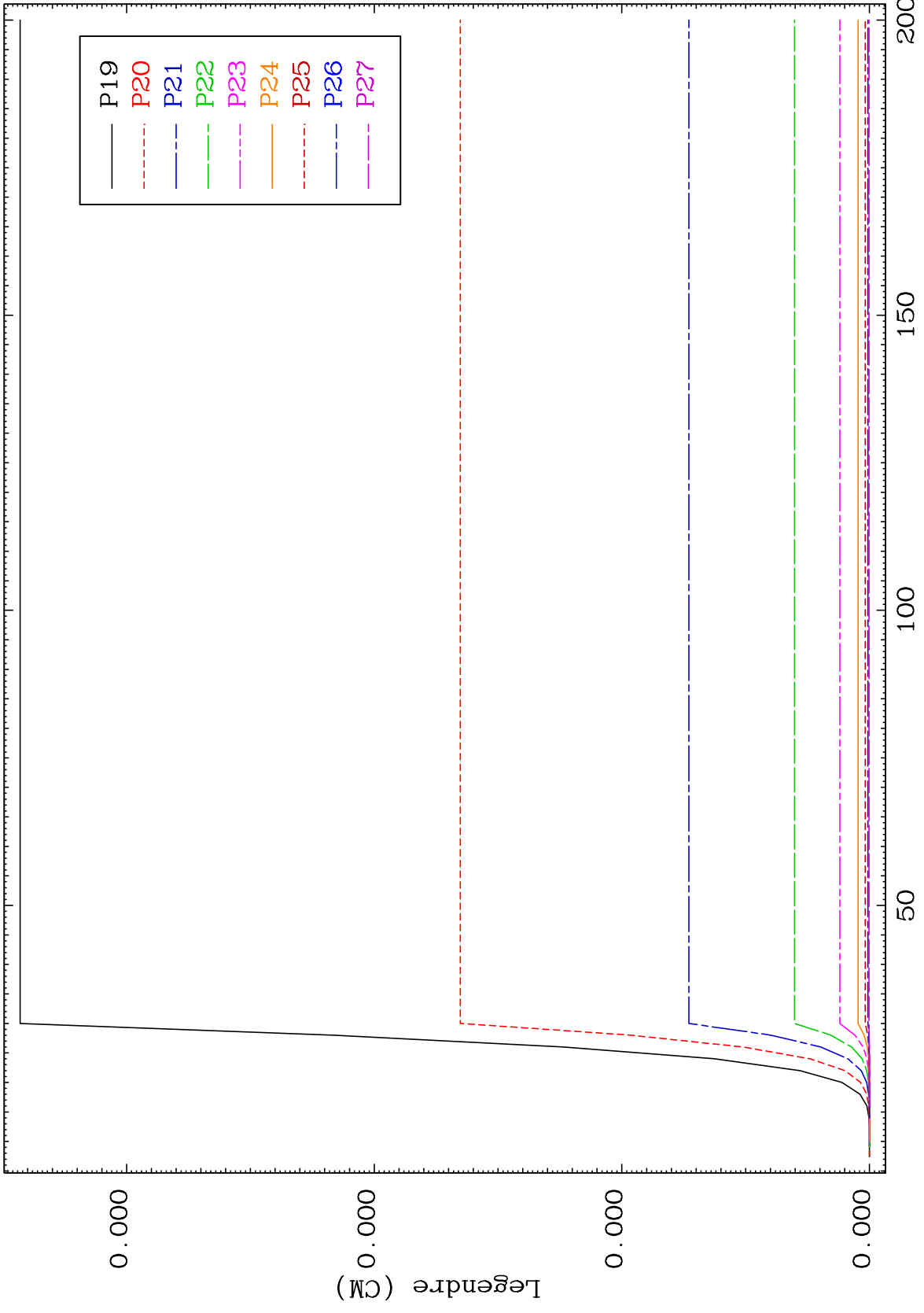


29

Incident Energy (MeV)

40-Zr-93

MAT 4034 MT= 53 (n,n') Level Legendre Coefficients 40-Zr-93

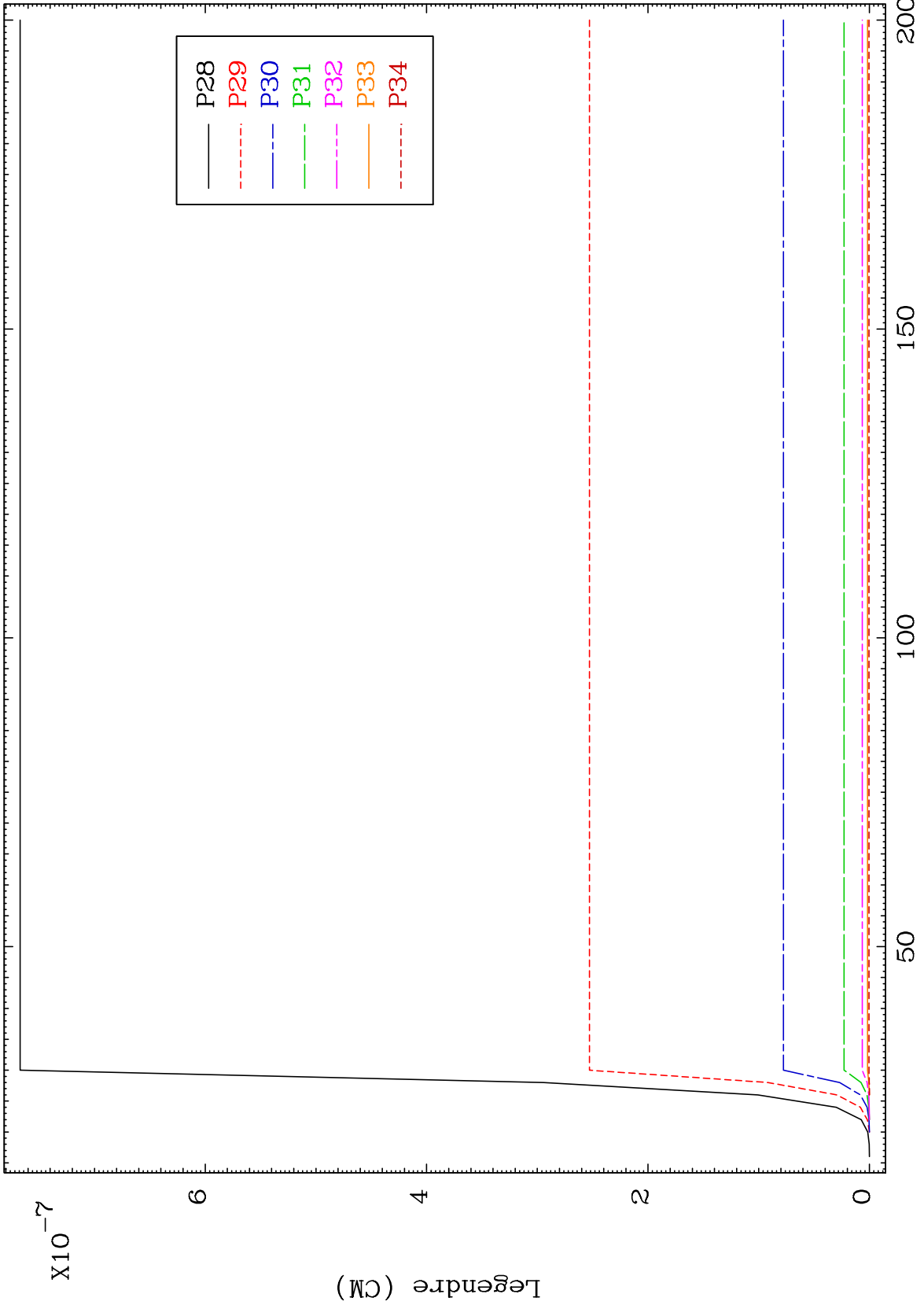


Legendre (CM) Incident Energy (MeV) 40-Zr-93

MAT 4034

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

40-Zr-93



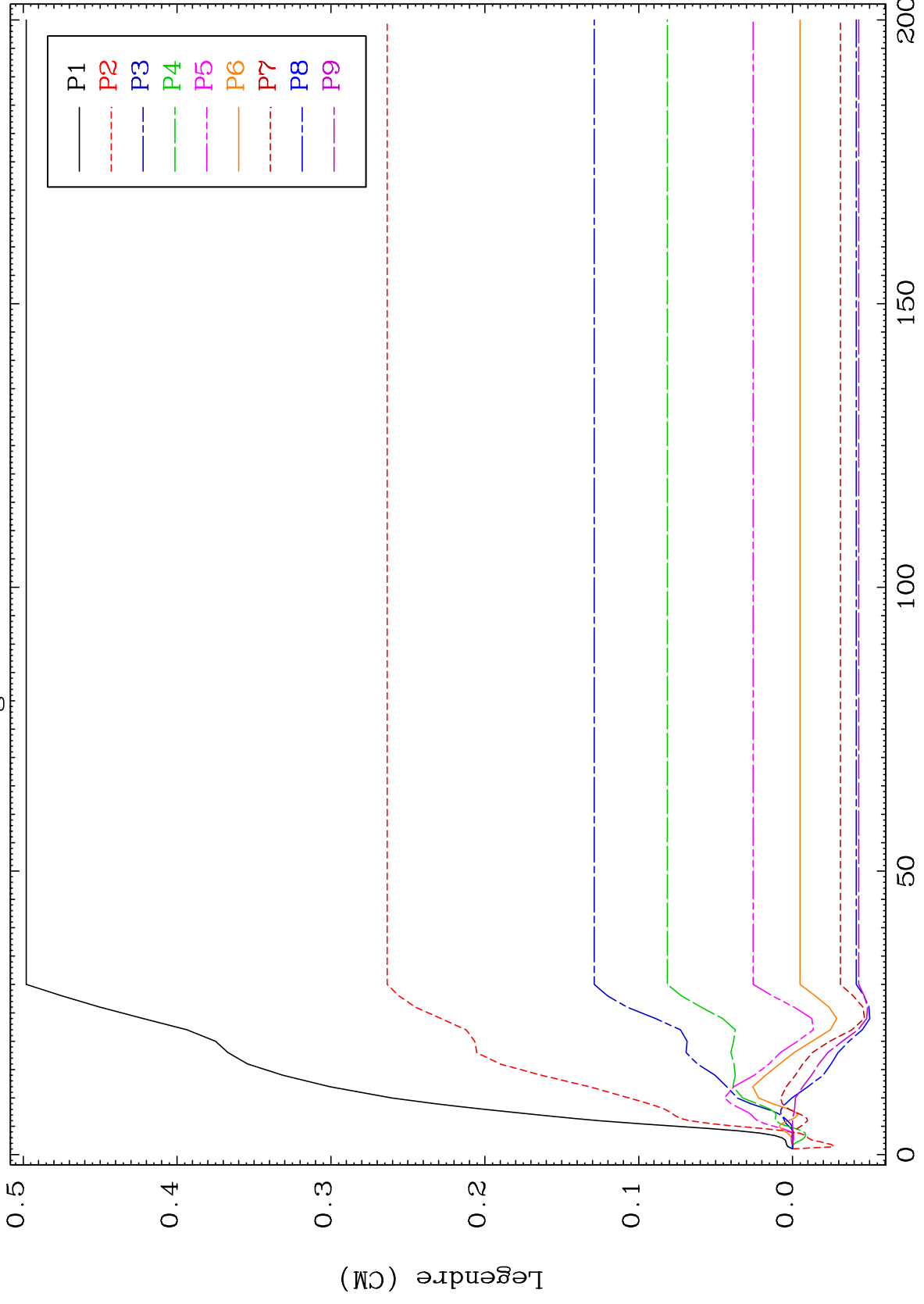
31

Incident Energy (MeV)

40-Zr-93



MAT 4034 MT= 54 (n,n') Level Legendre Coefficients 40-Zr-93

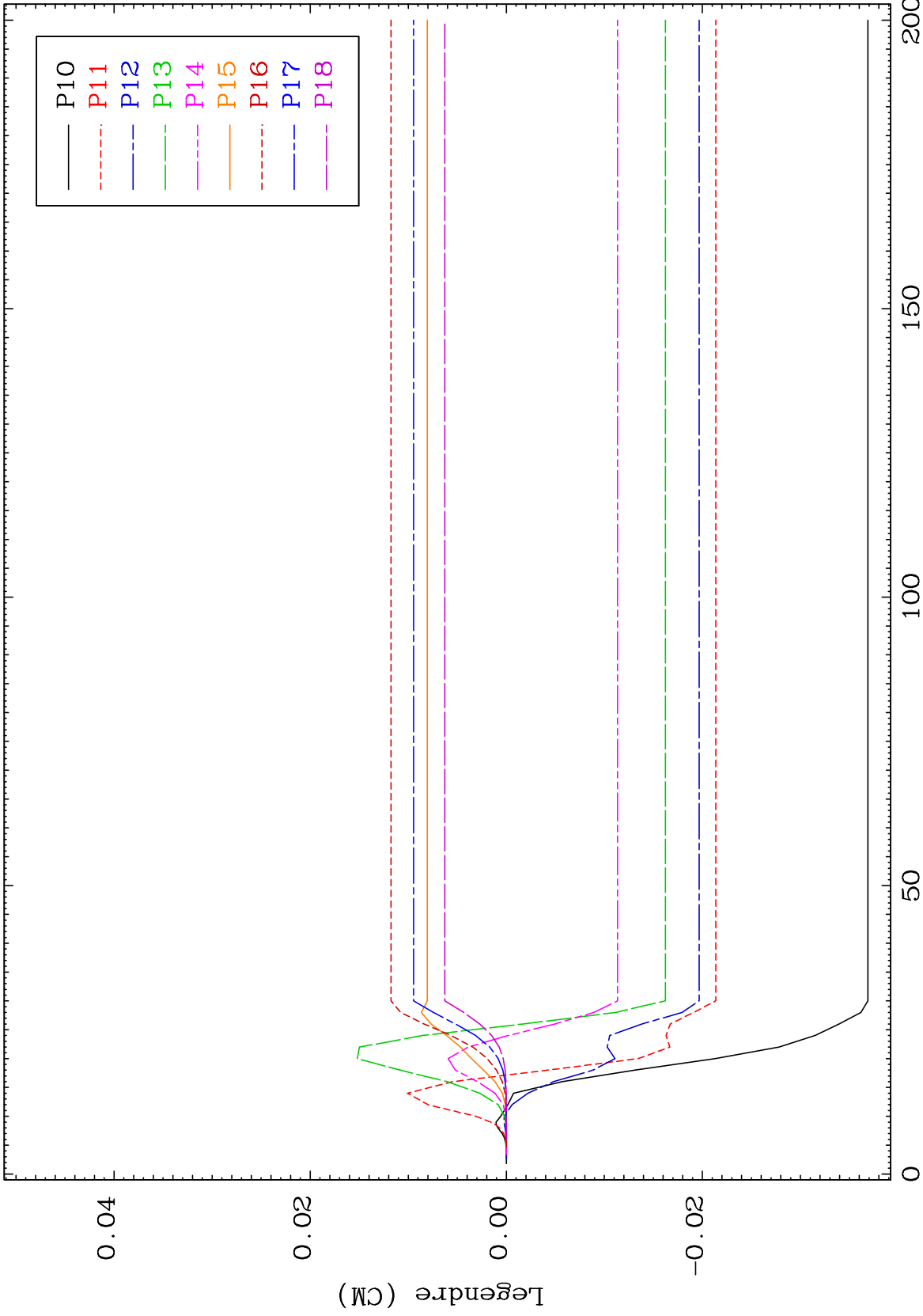


32 40-Zr-93

MAT 4034

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

40-Zr-93

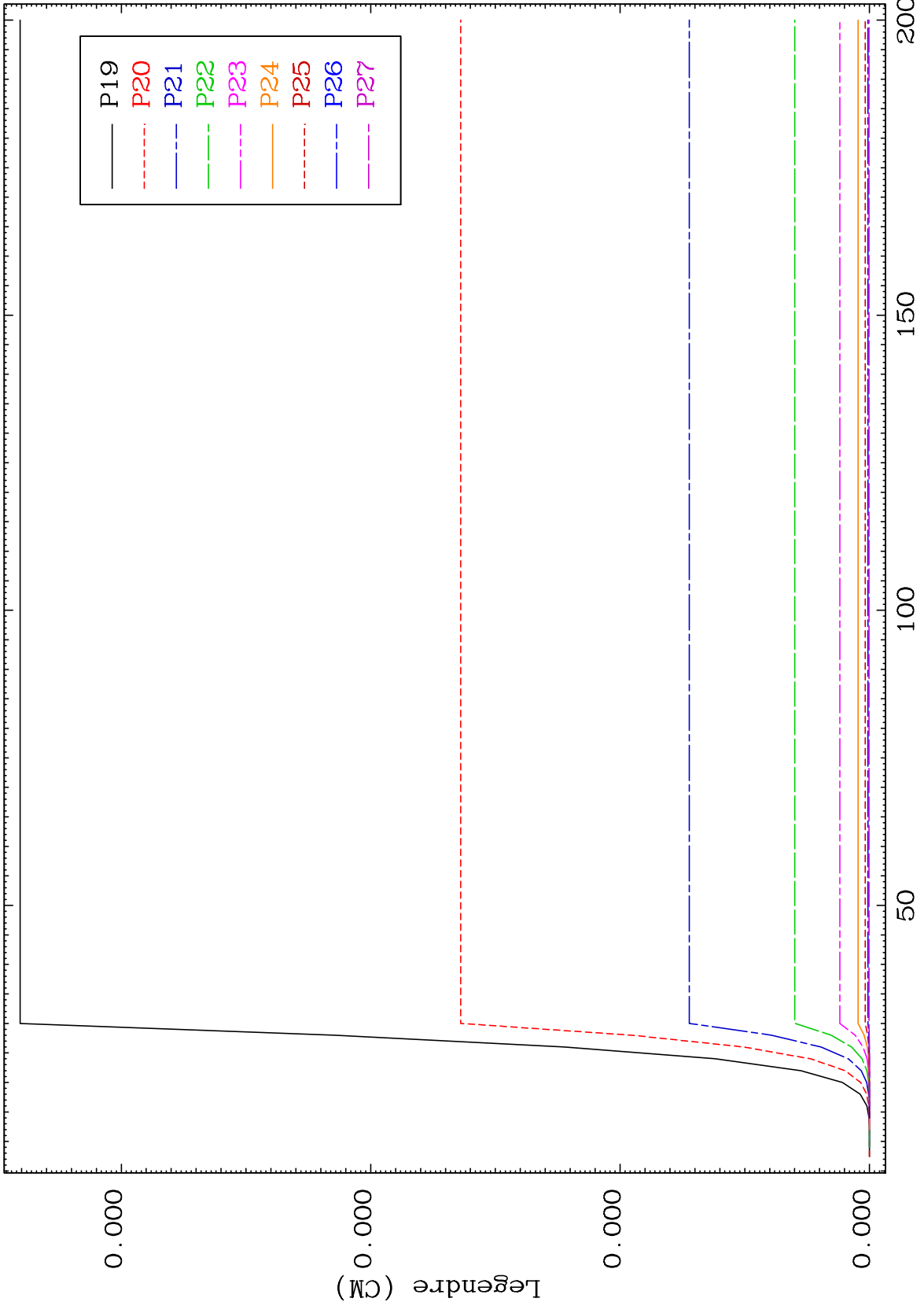


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Incident Energy (MeV)

40-Zr-93

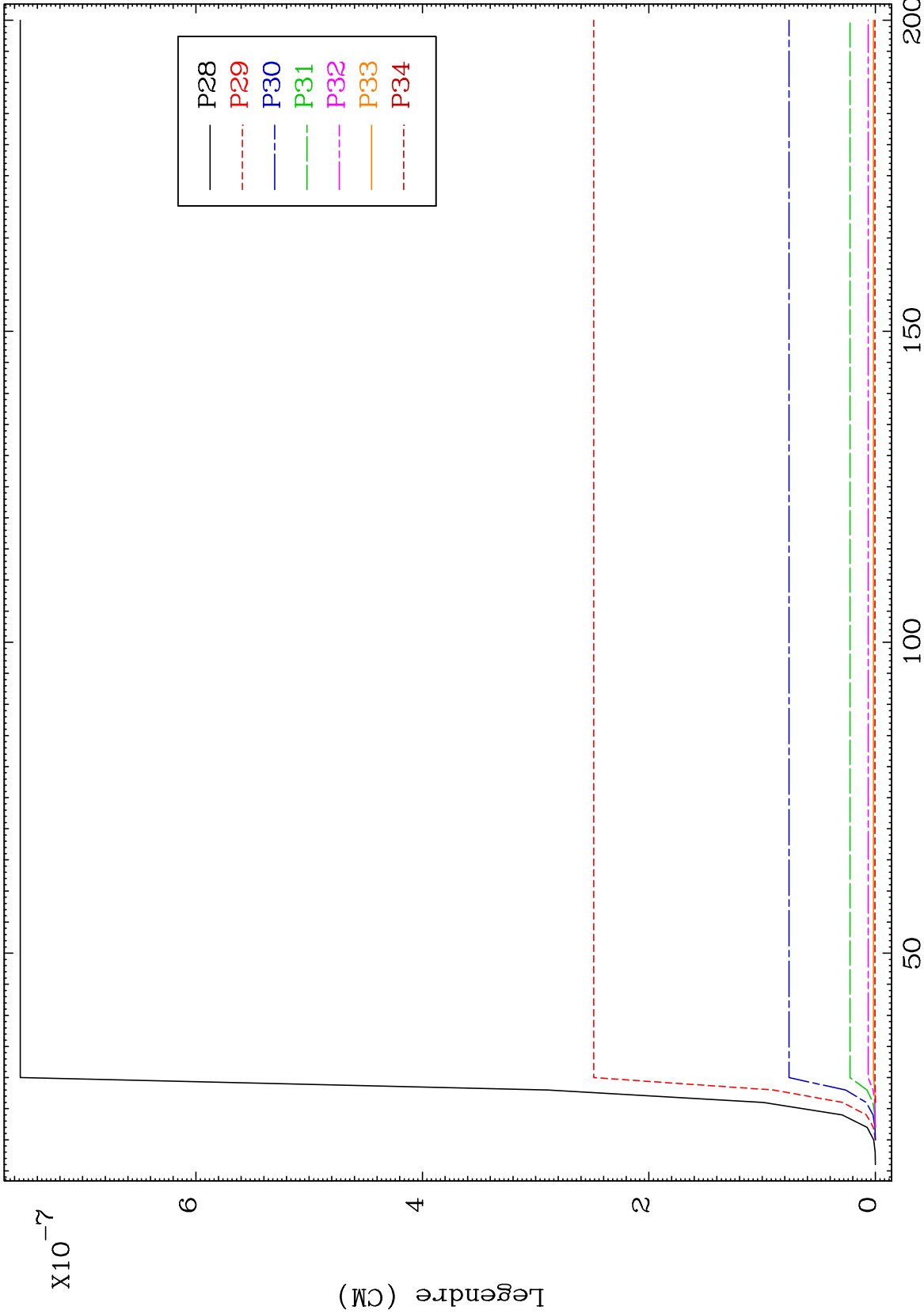
MAT 4034 MT= 54 (n,n') Level Legendre Coefficients 40-Zr-93



MAT 4034

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

40-Zr-93



35

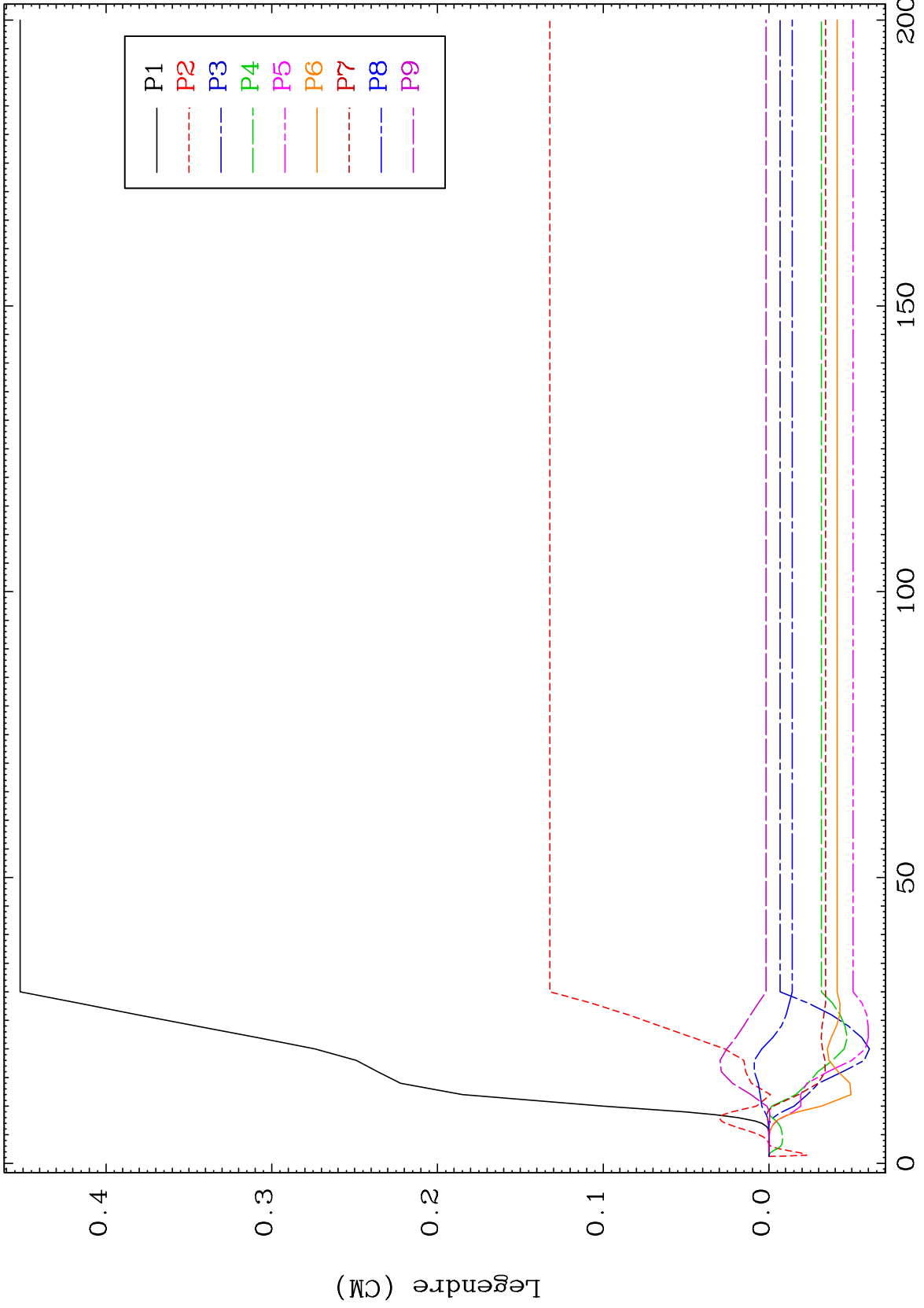
Incident Energy (MeV)

40-Zr-93

MAT 4034

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

40-Zr-93

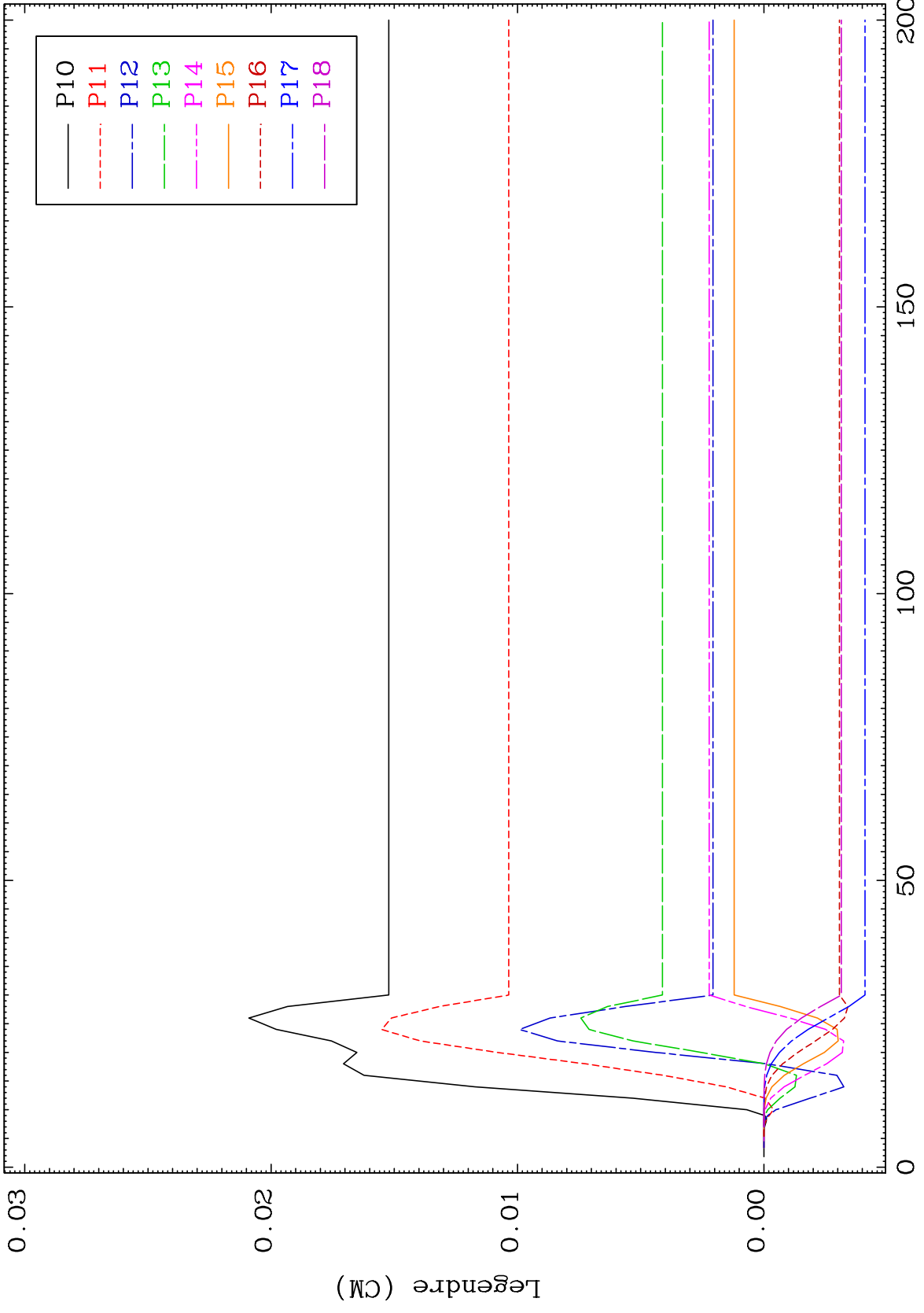


36

Incident Energy (MeV)

40-Zr-93

MAT 4034 MT= 55 (n,n') Level Legendre Coefficients 40-Zr-93

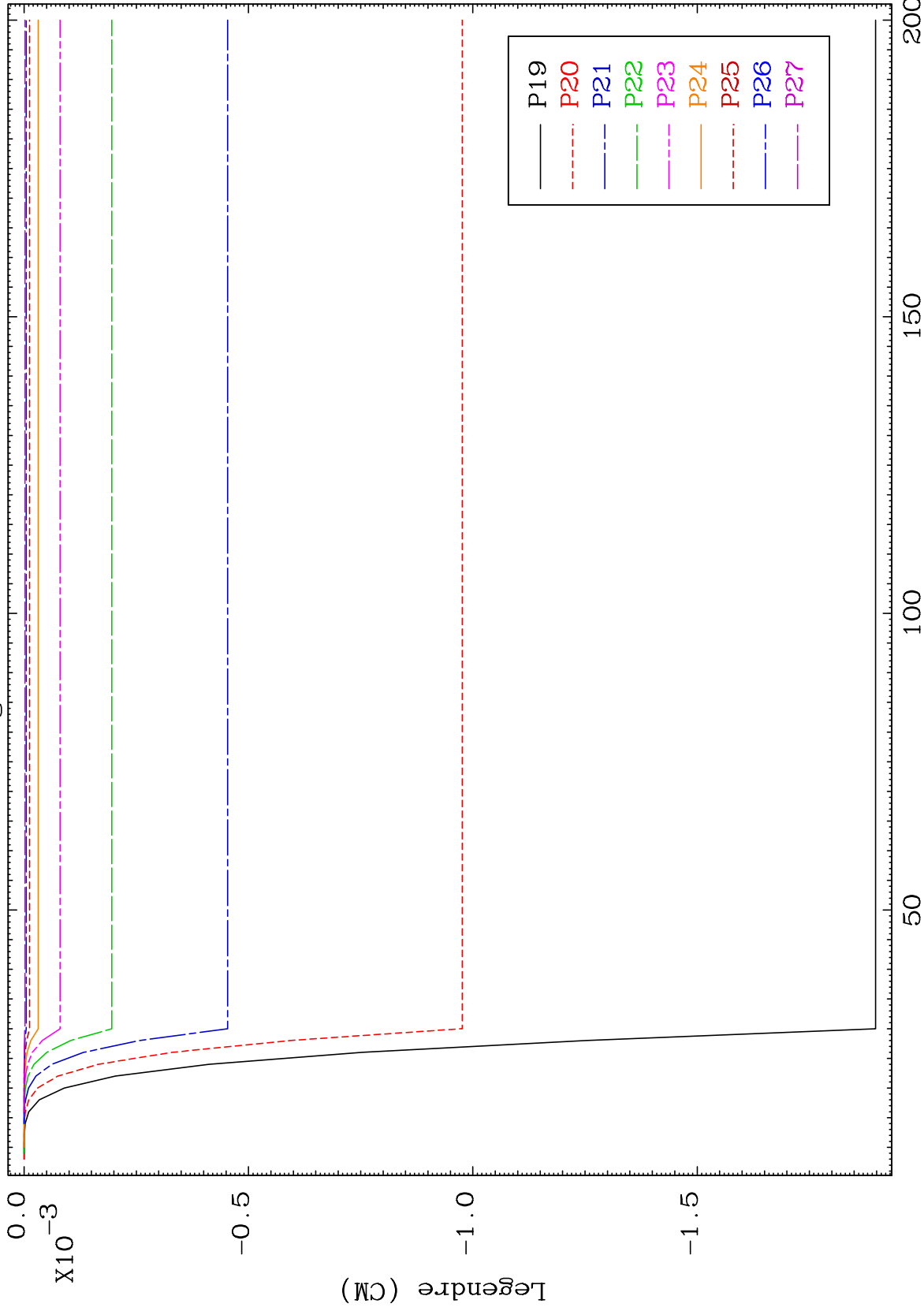


37 40-Zr-93

MAT 4034

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

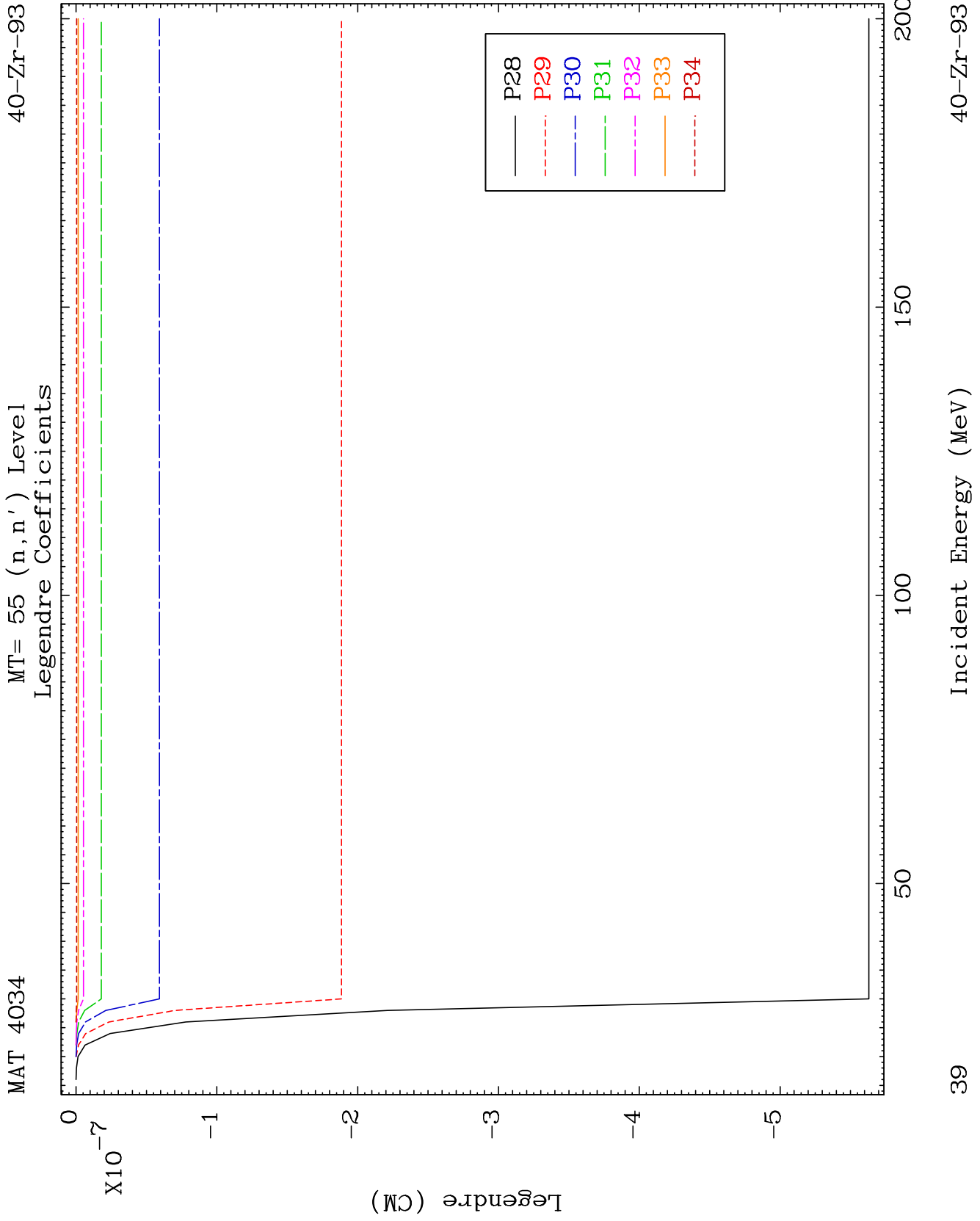
40-Zr-93



40-Zr-93

Incident Energy (MeV)

38



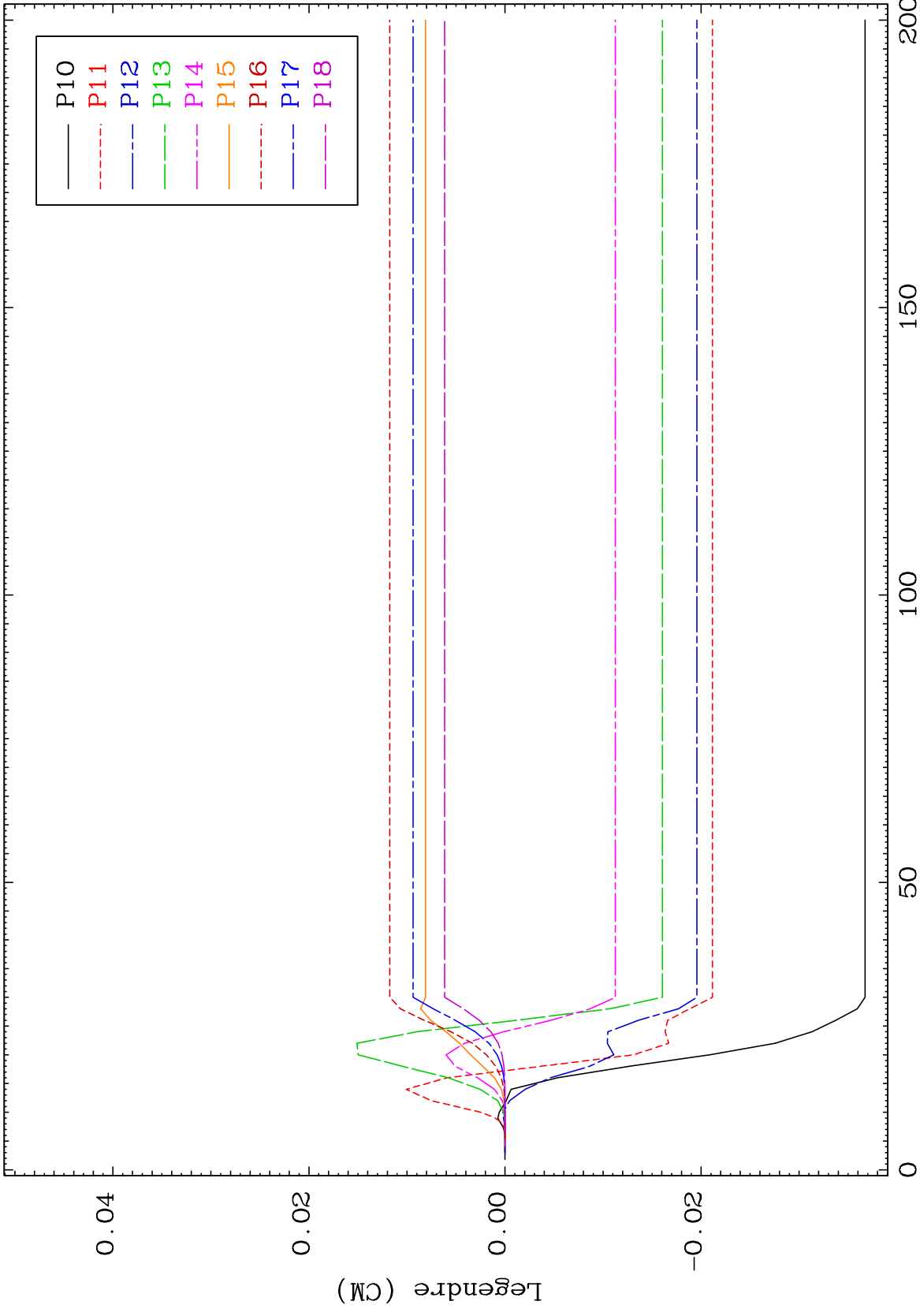




MAT 4034

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

40-Zr-93

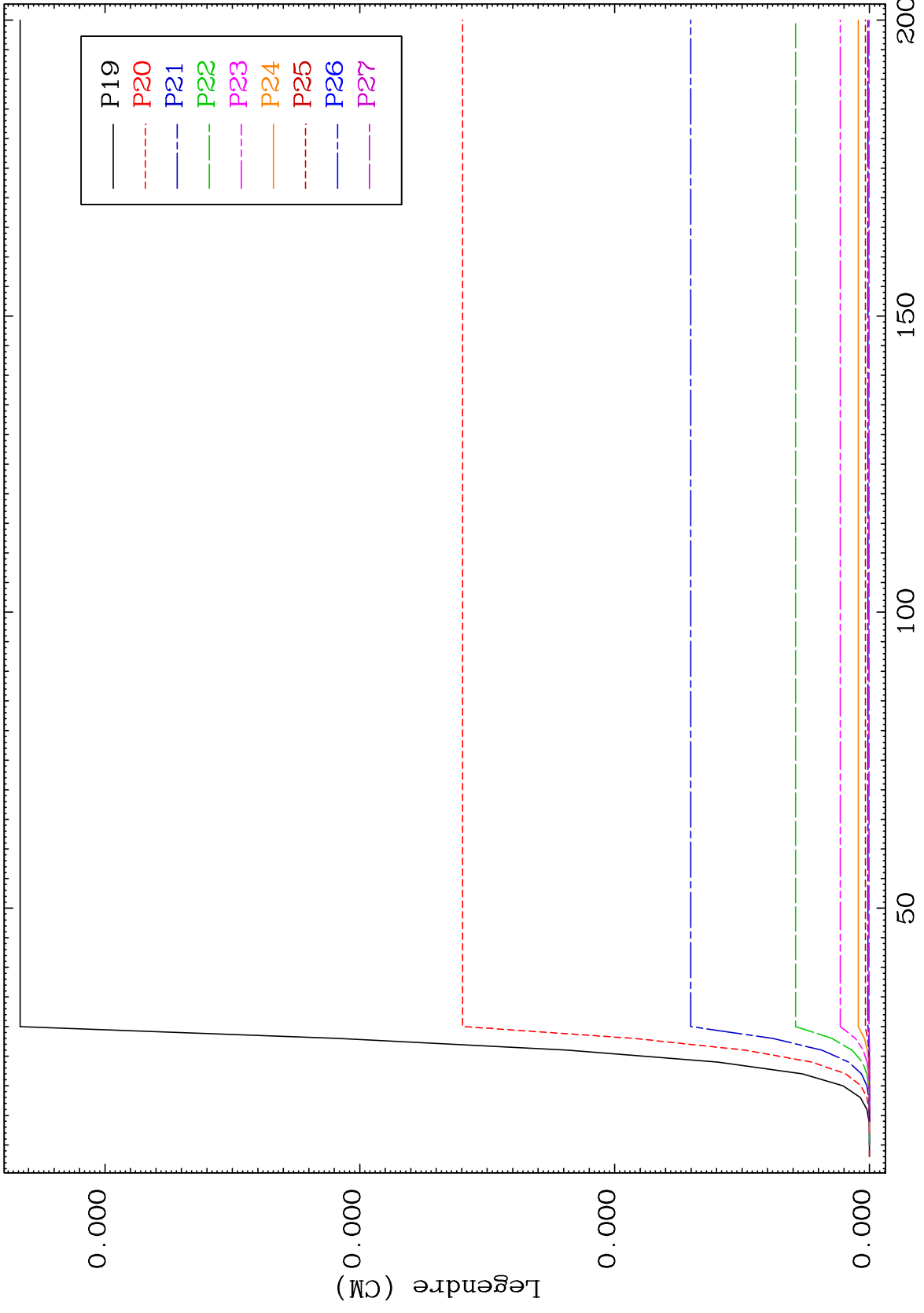


41

Incident Energy (MeV)

40-Zr-93

MAT 4034 MT= 56 (n,n') Level Legendre Coefficients 40-Zr-93

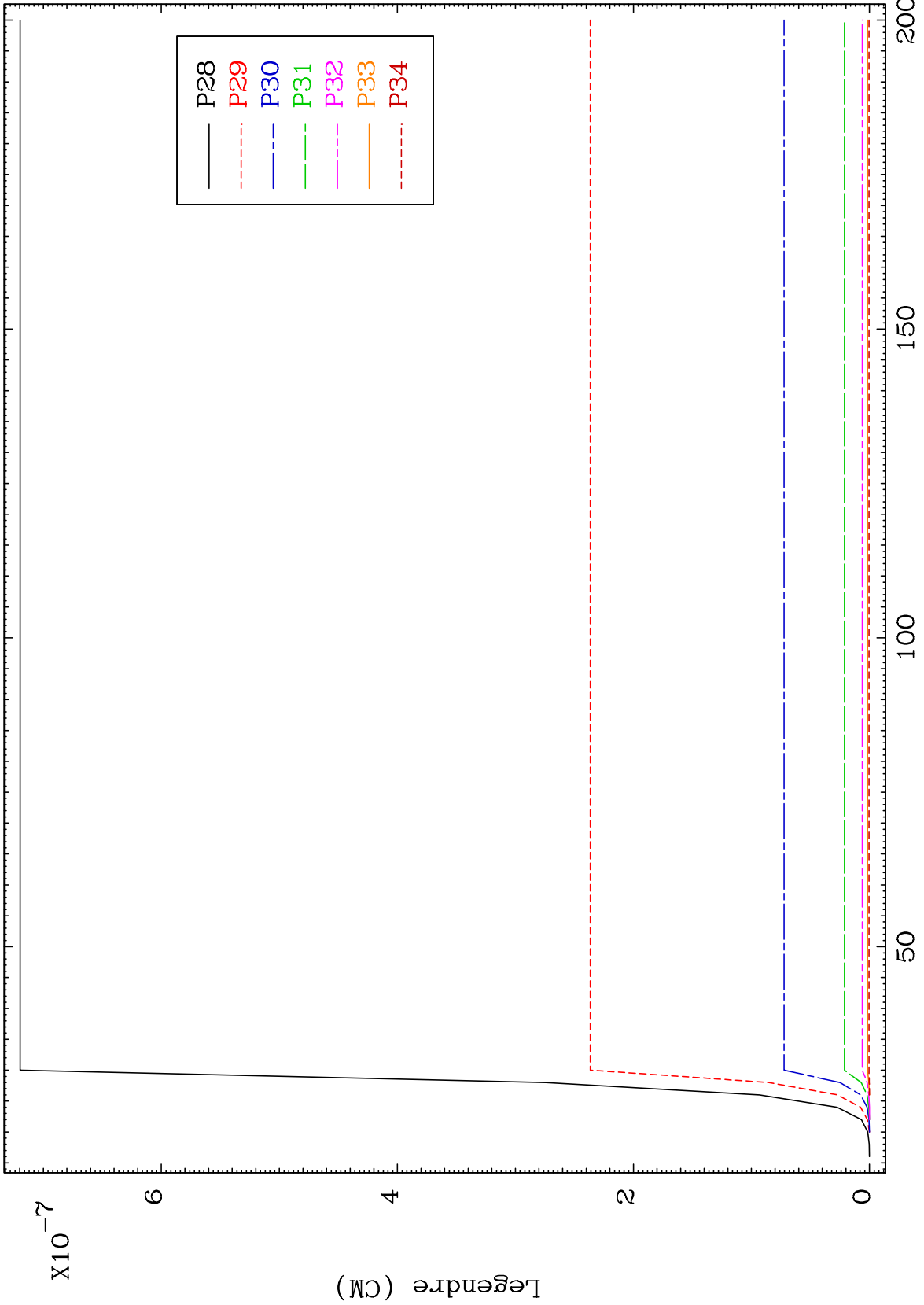


42 40-Zr-93

MAT 4034

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

40-Zr-93

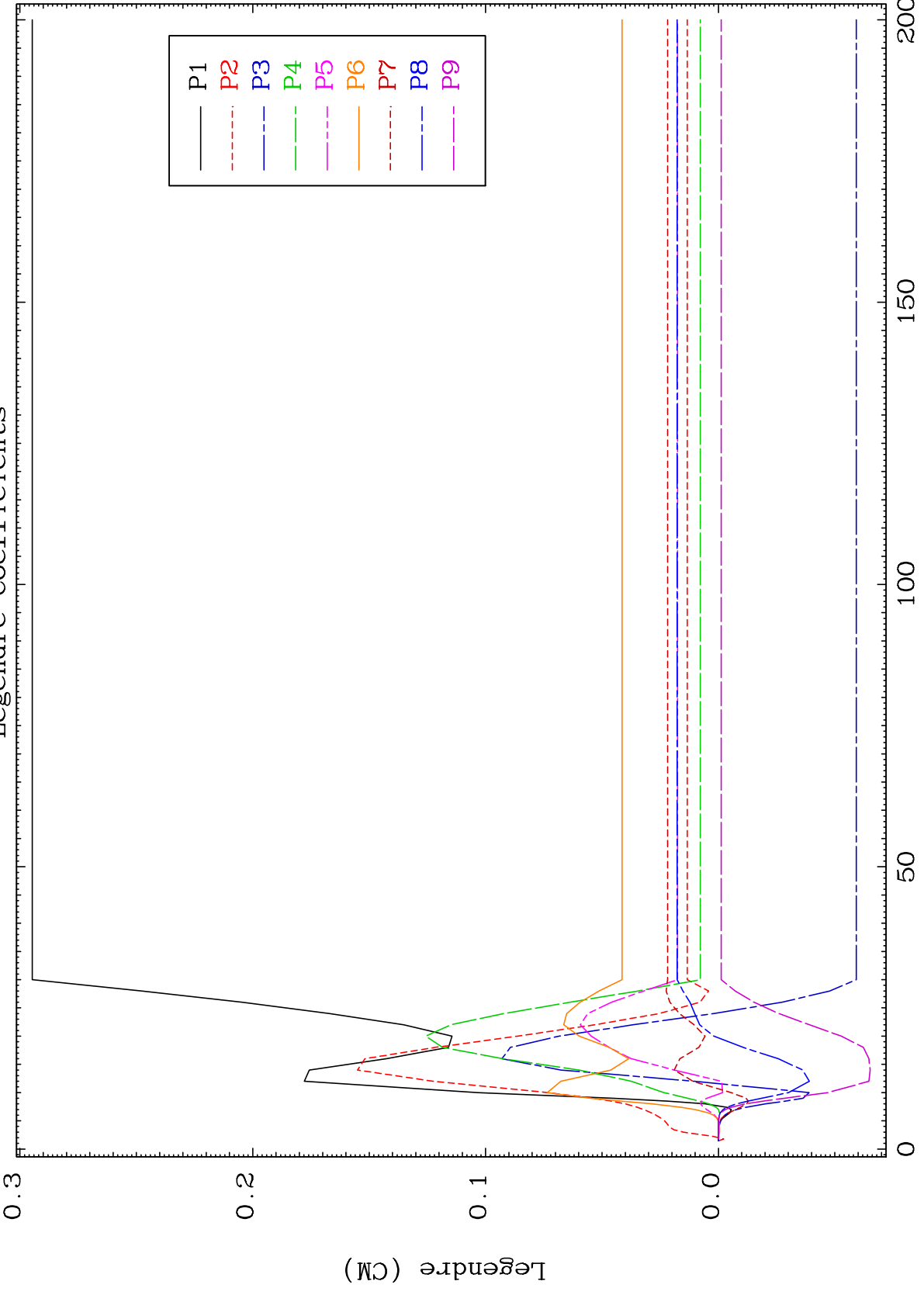


43

Incident Energy (MeV)

40-Zr-93

MAT 4034 MT= 57 (n,n') Level Legendre Coefficients 40-Zr-93

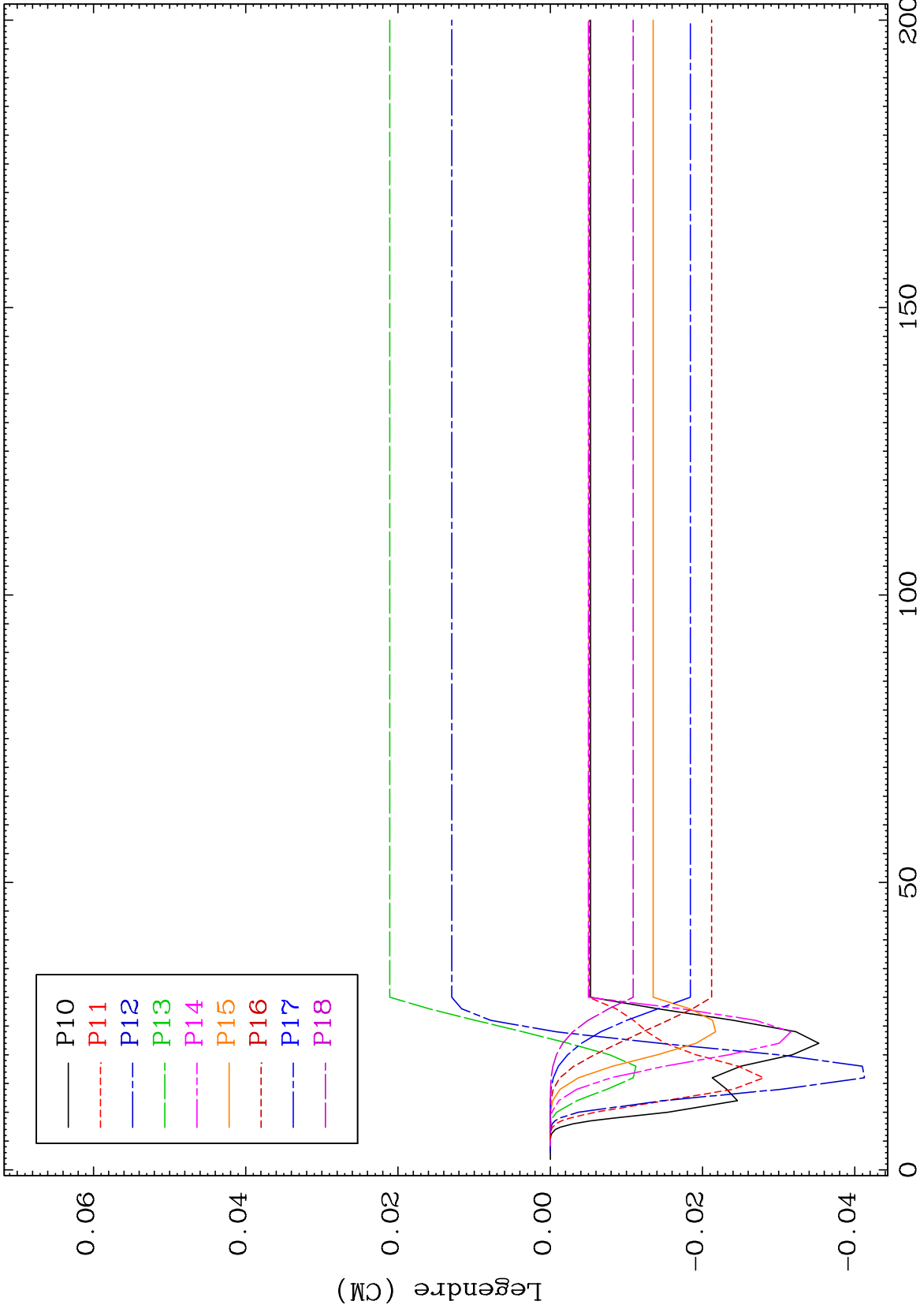


44 40-Zr-93

MAT 4034

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

40-Zr-93

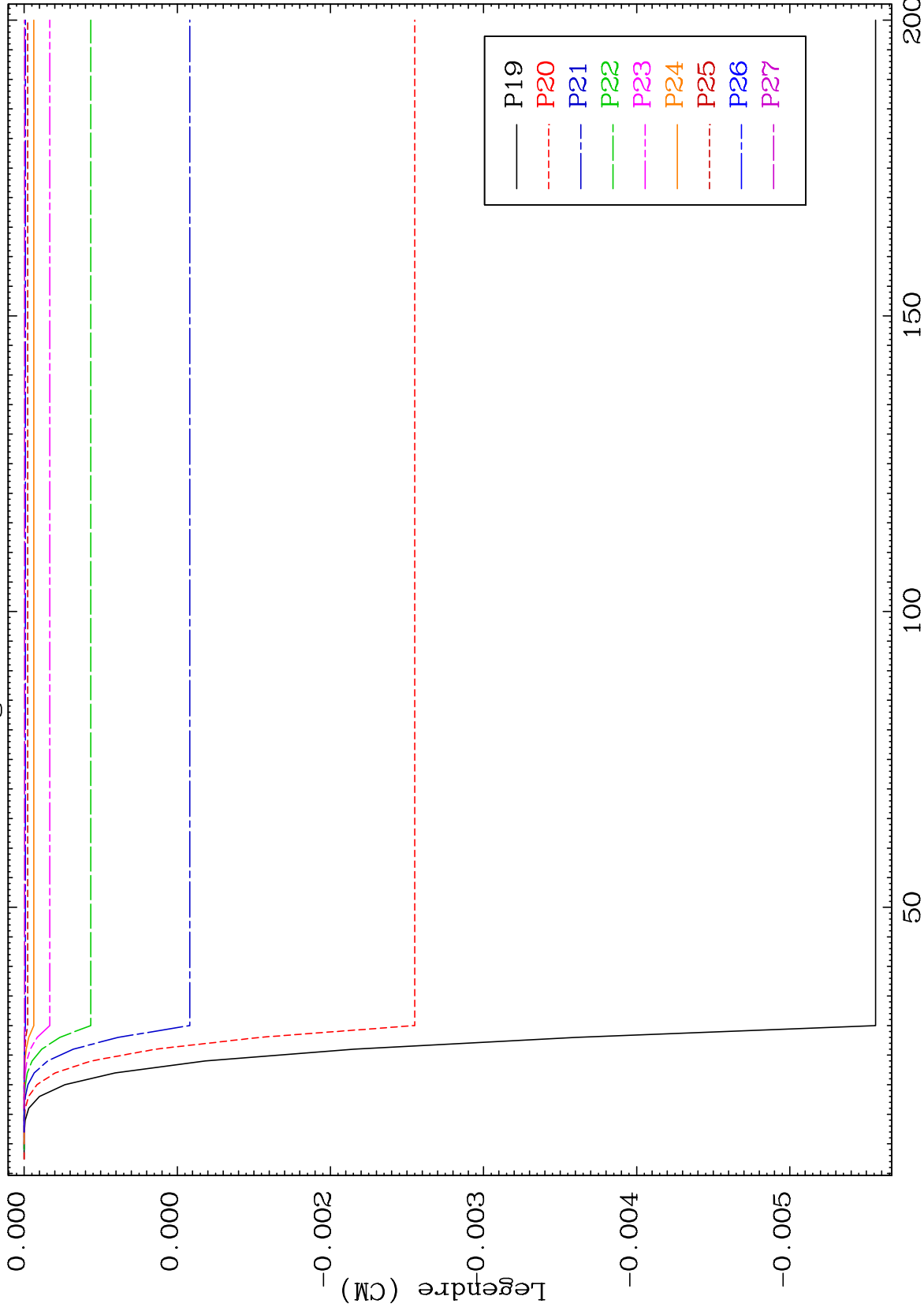


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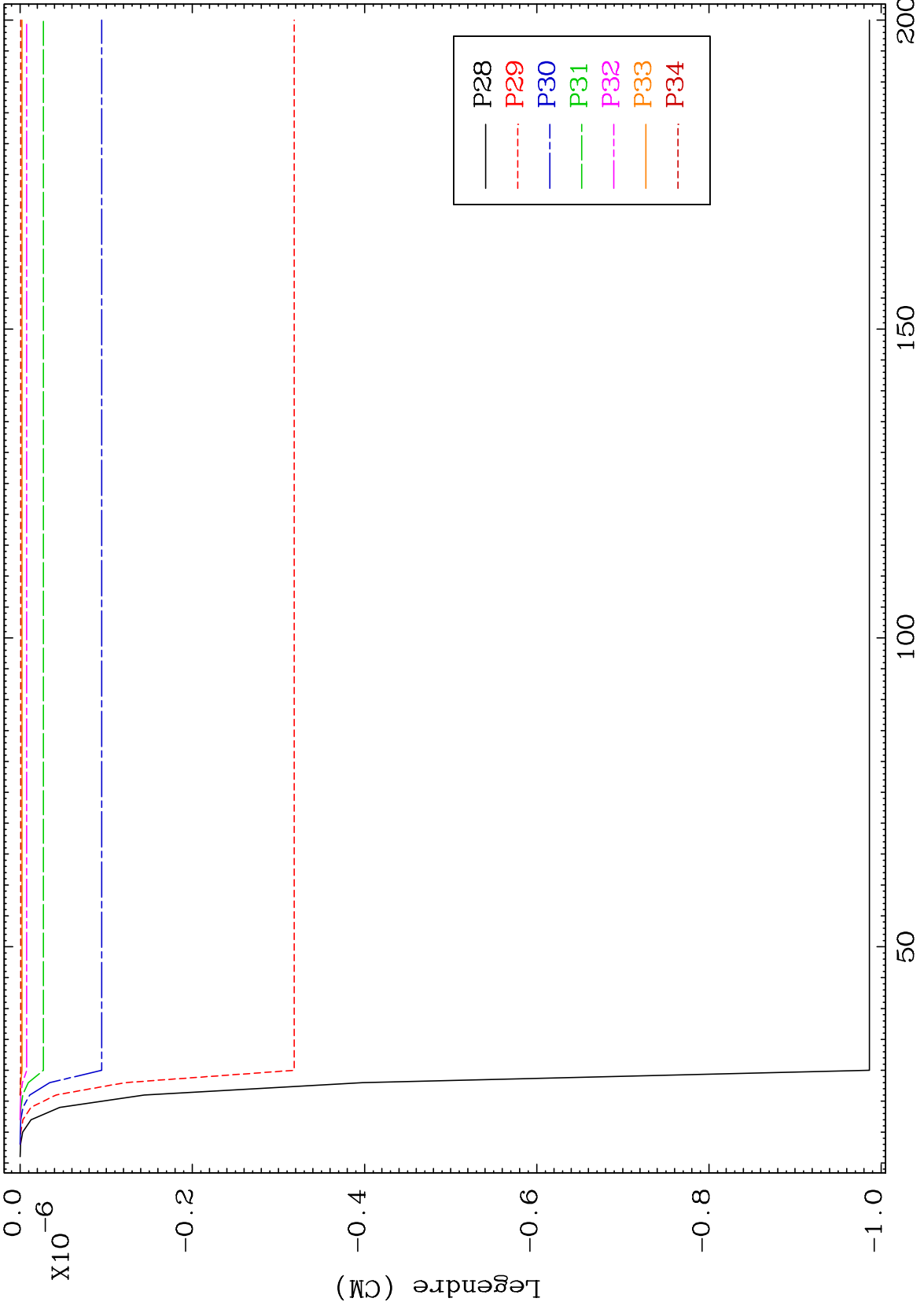
Incident Energy (MeV)

40-Zr-93

MAT 4034 MT= 57 (n,n') Level Legendre Coefficients 40-Zr-93



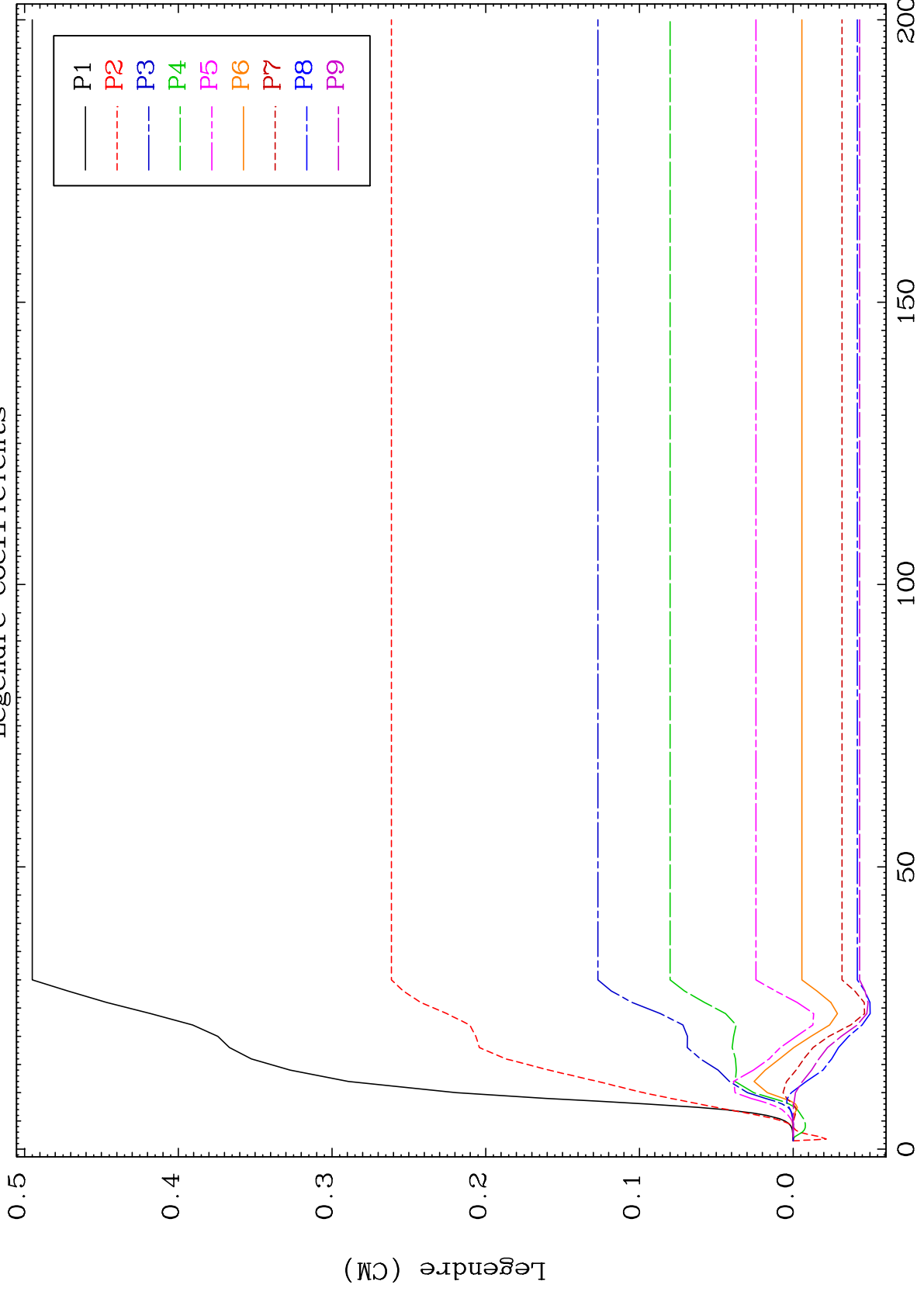
MAT 4034 MT= 57 (n,n') Level Legendre Coefficients 40-Zr-93



47 40-Zr-93



MAT 4034 MT= 58 (n,n') Level Legendre Coefficients 40-Zr-93

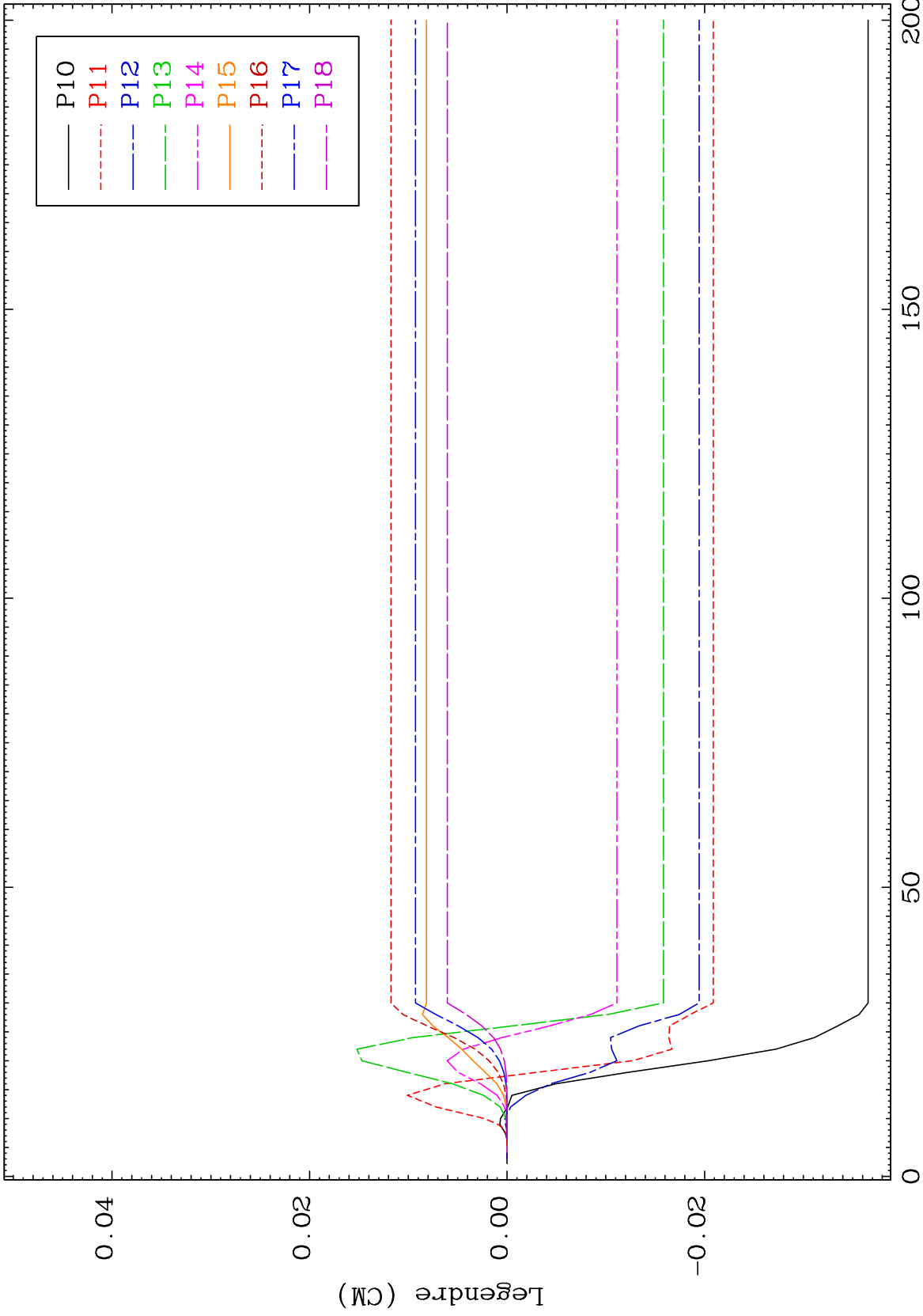


48 40-Zr-93

MAT 4034

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

40-Zr-93

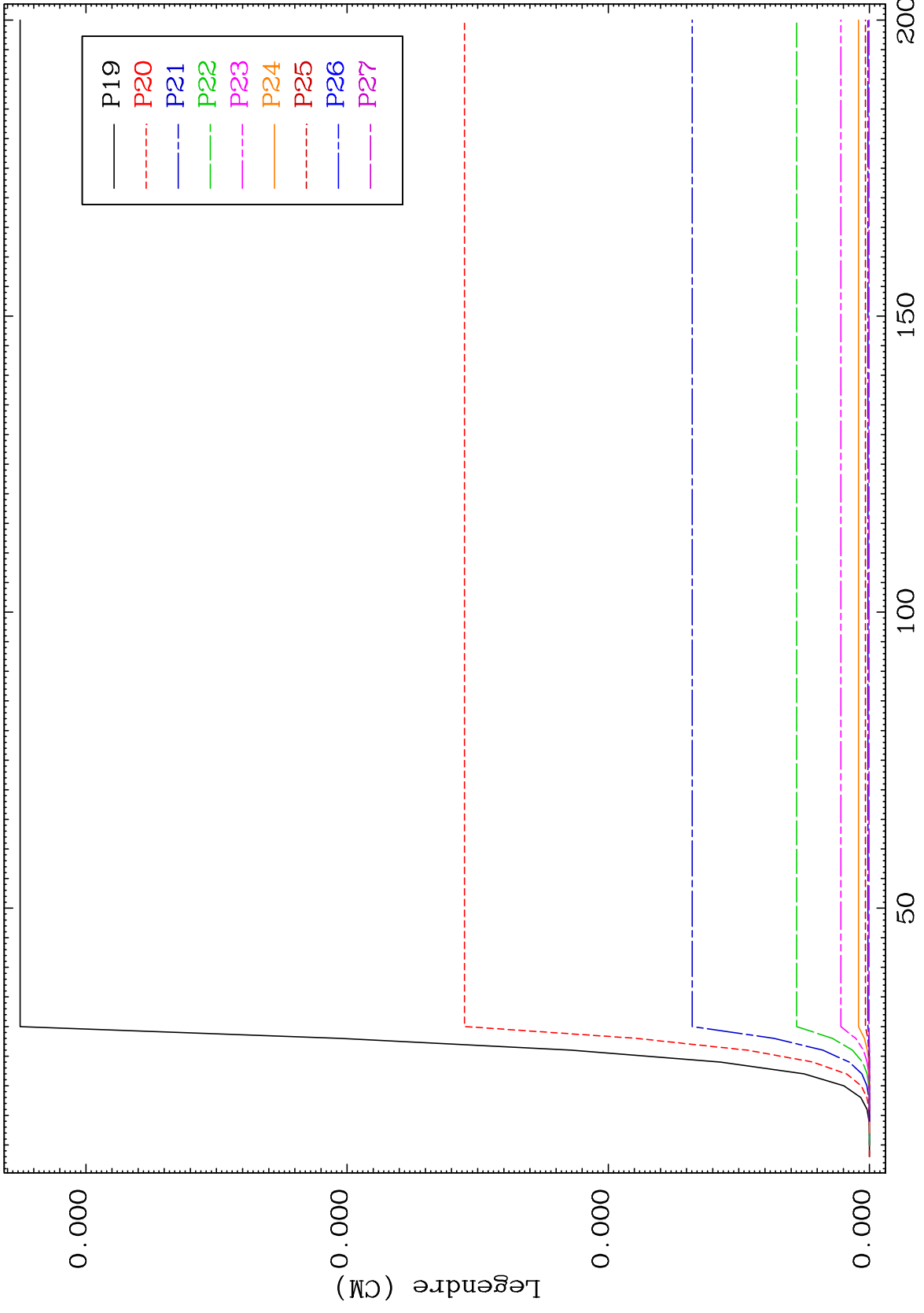


49

Incident Energy (MeV)

40-Zr-93

MAT 4034 MT= 58 (n,n') Level Legendre Coefficients 40-Zr-93

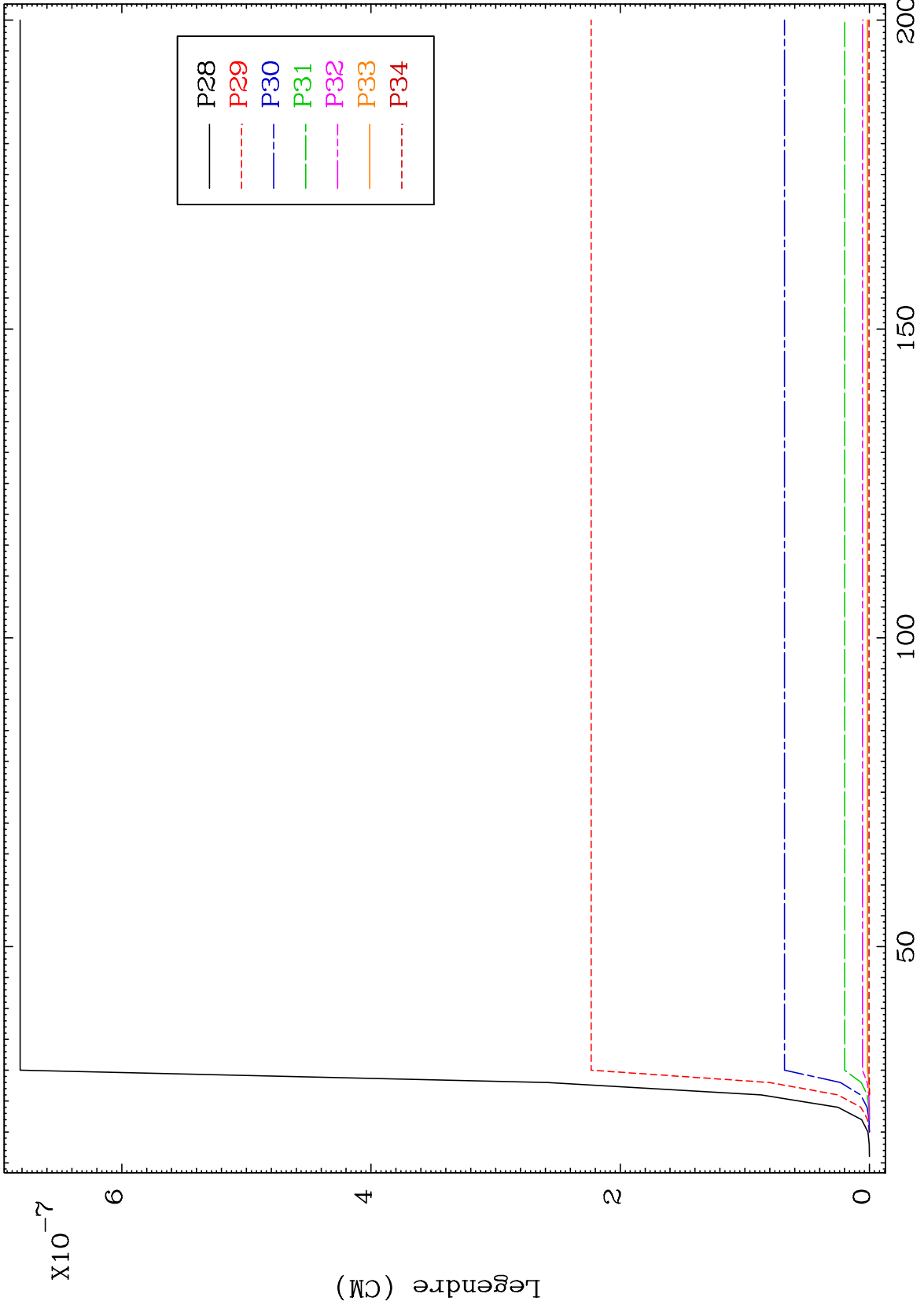


Legendre (CM) Incident Energy (MeV) 40-Zr-93

MAT 4034

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

40-Zr-93

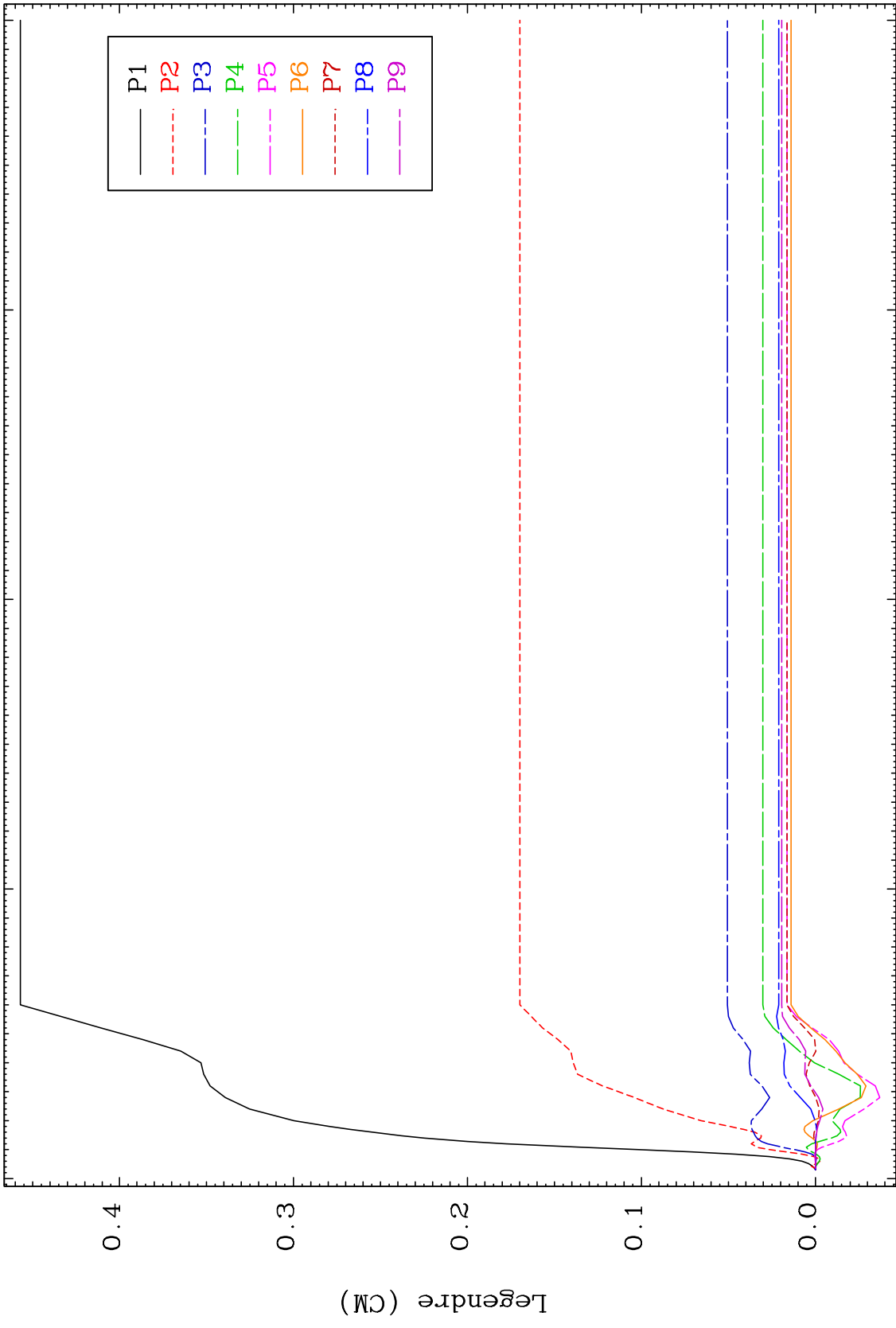


51

Incident Energy (MeV)

40-Zr-93

MAT 4034 MT= 59 (n,n') Level Legendre Coefficients 40-Zr-93

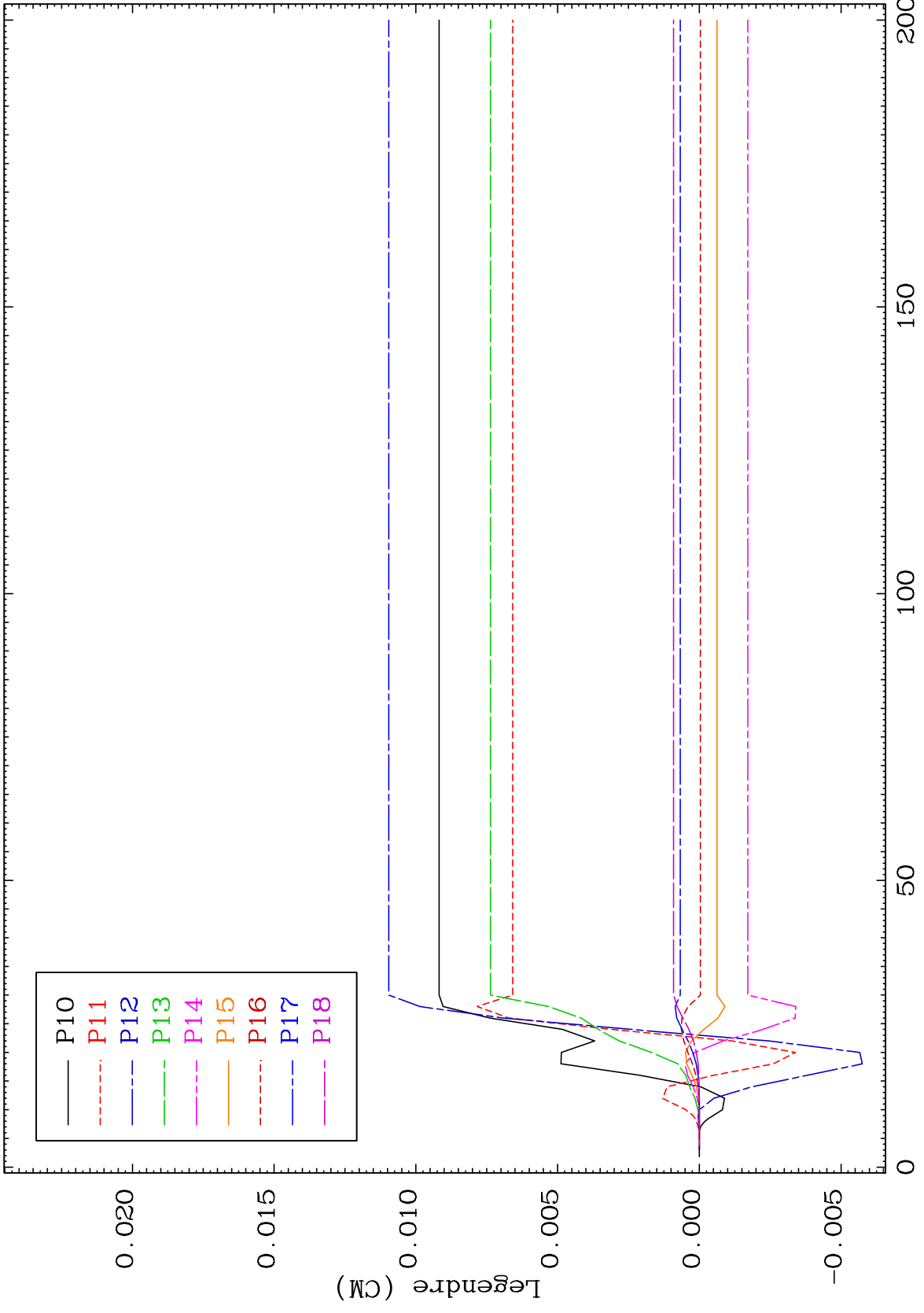


52 Incident Energy (MeV) 40-Zr-93

MAT 4034

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

40-Zr-93



53

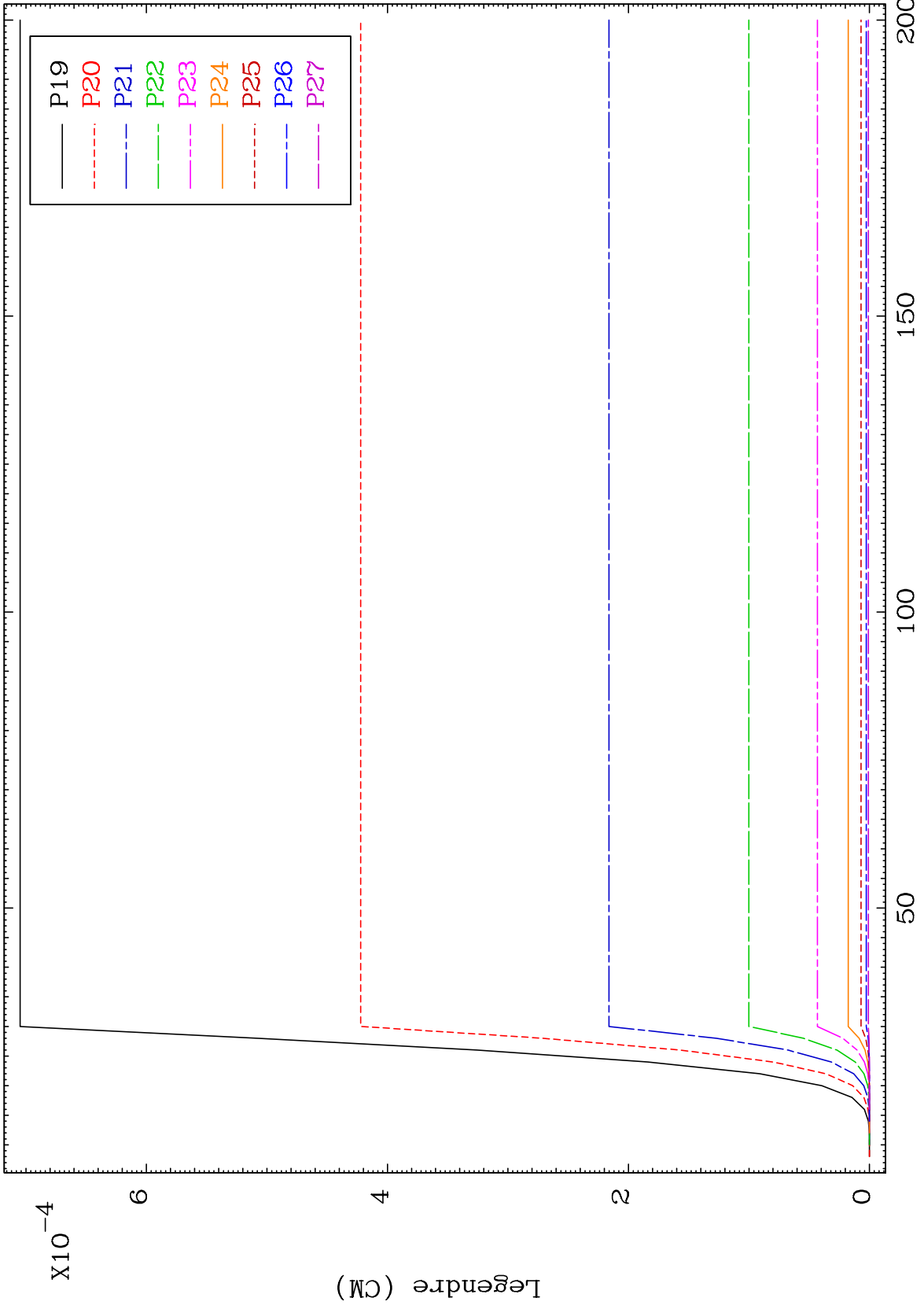
Incident Energy (MeV)

40-Zr-93

MAT 4034

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

40-Zr-93



54

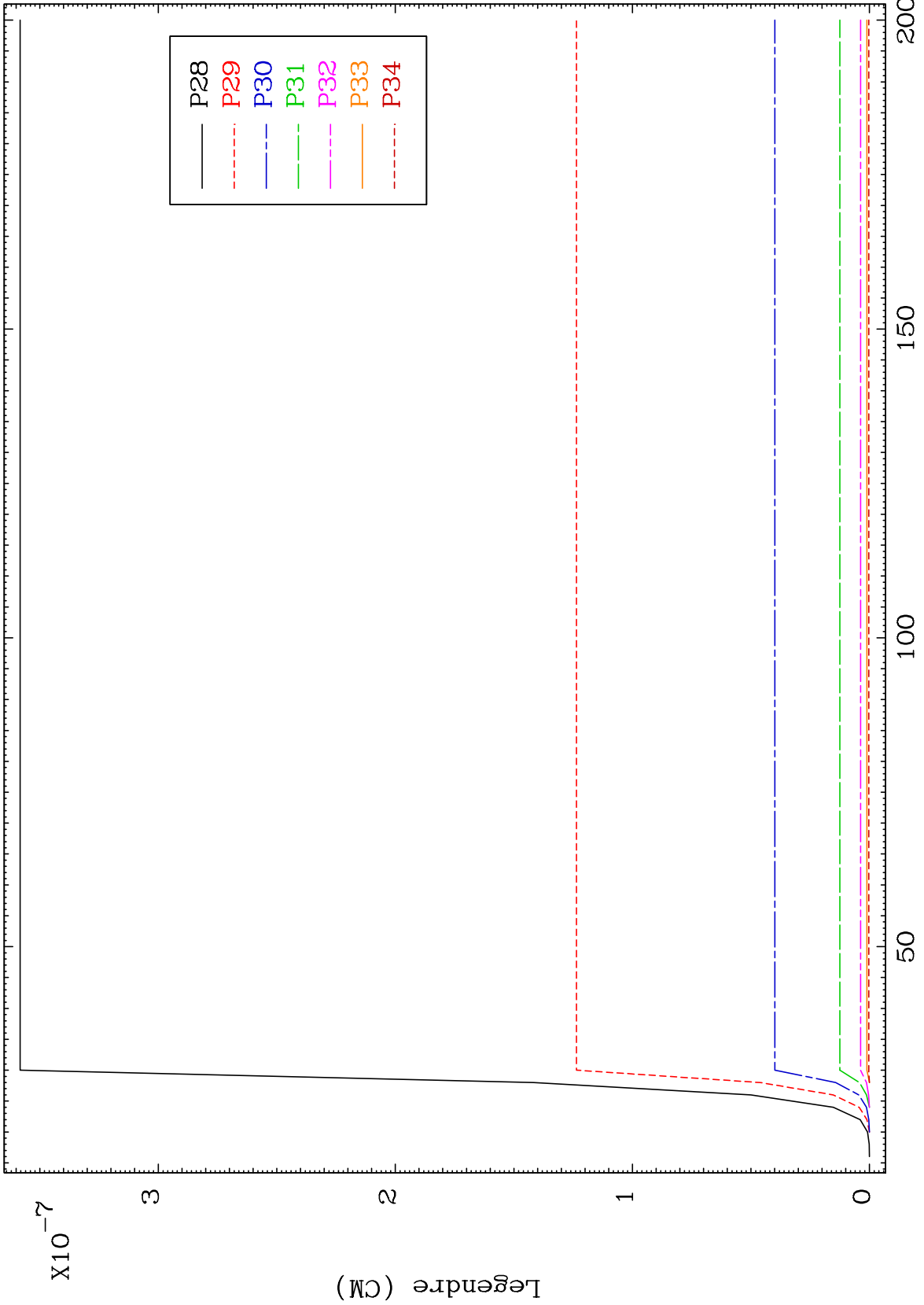
Incident Energy (MeV)

40-Zr-93

MAT 4034

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

40-Zr-93



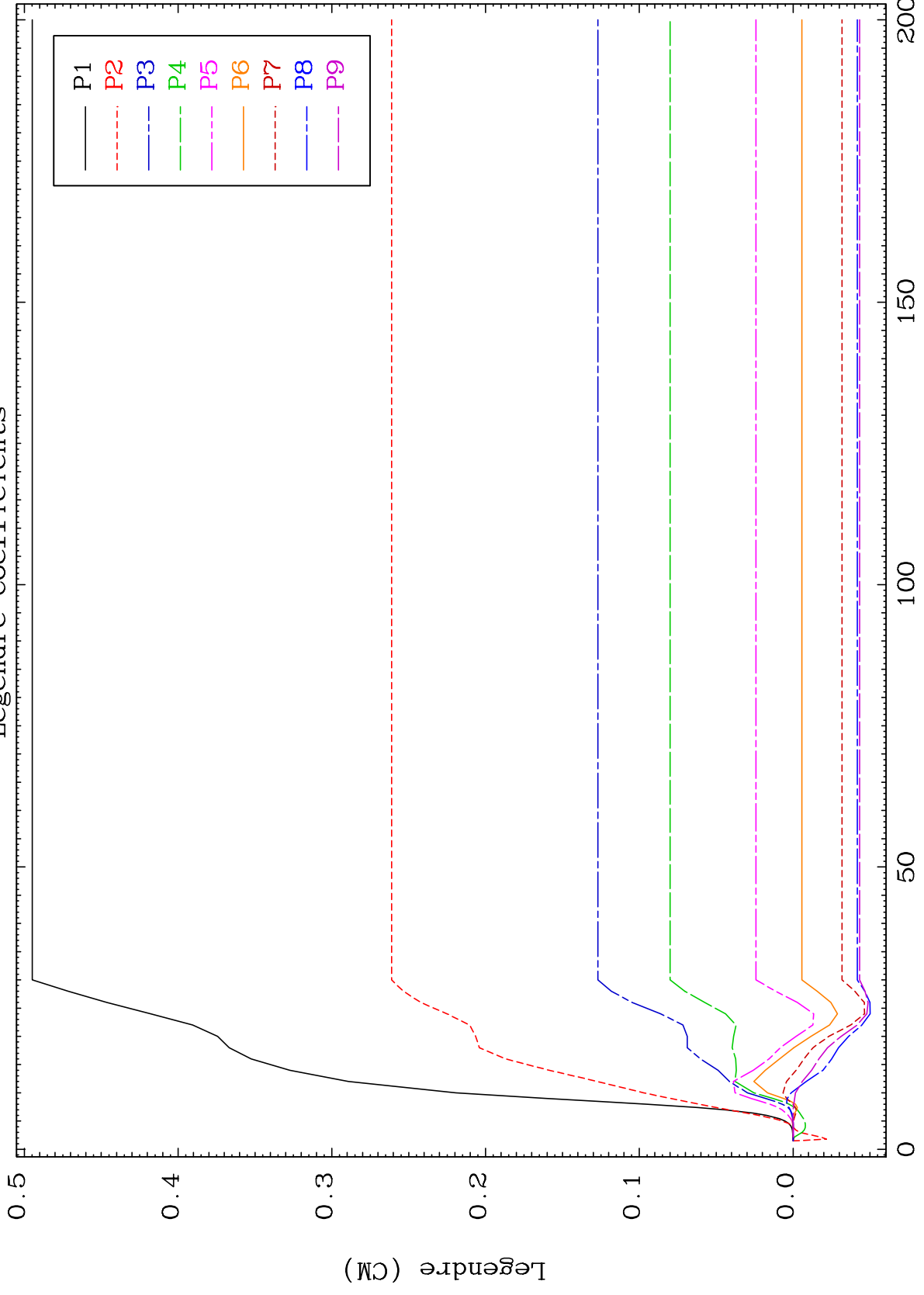
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Incident Energy (MeV)

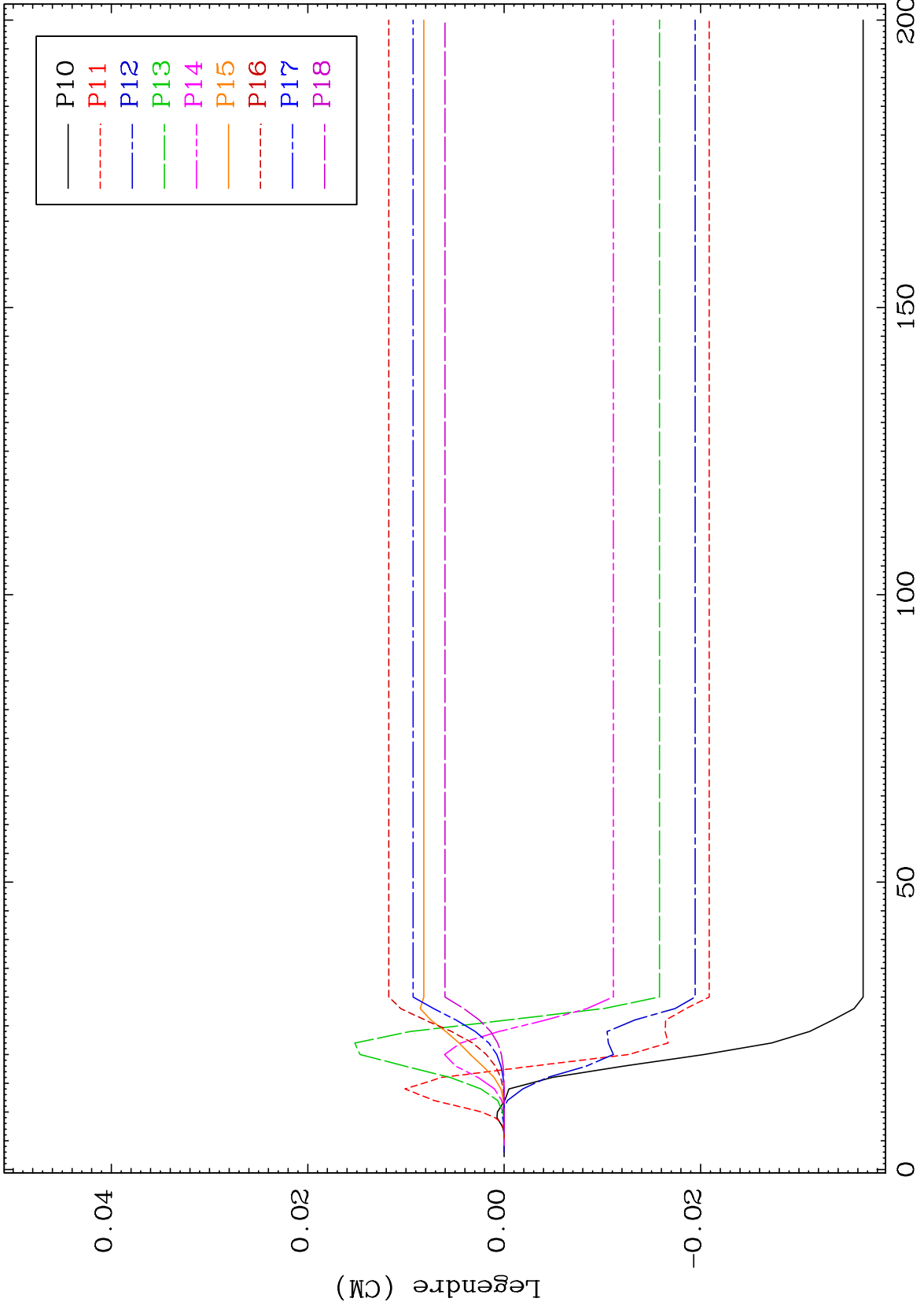
40-Zr-93



MAT 4034 MT= 60 (n,n') Level Legendre Coefficients 40-Zr-93

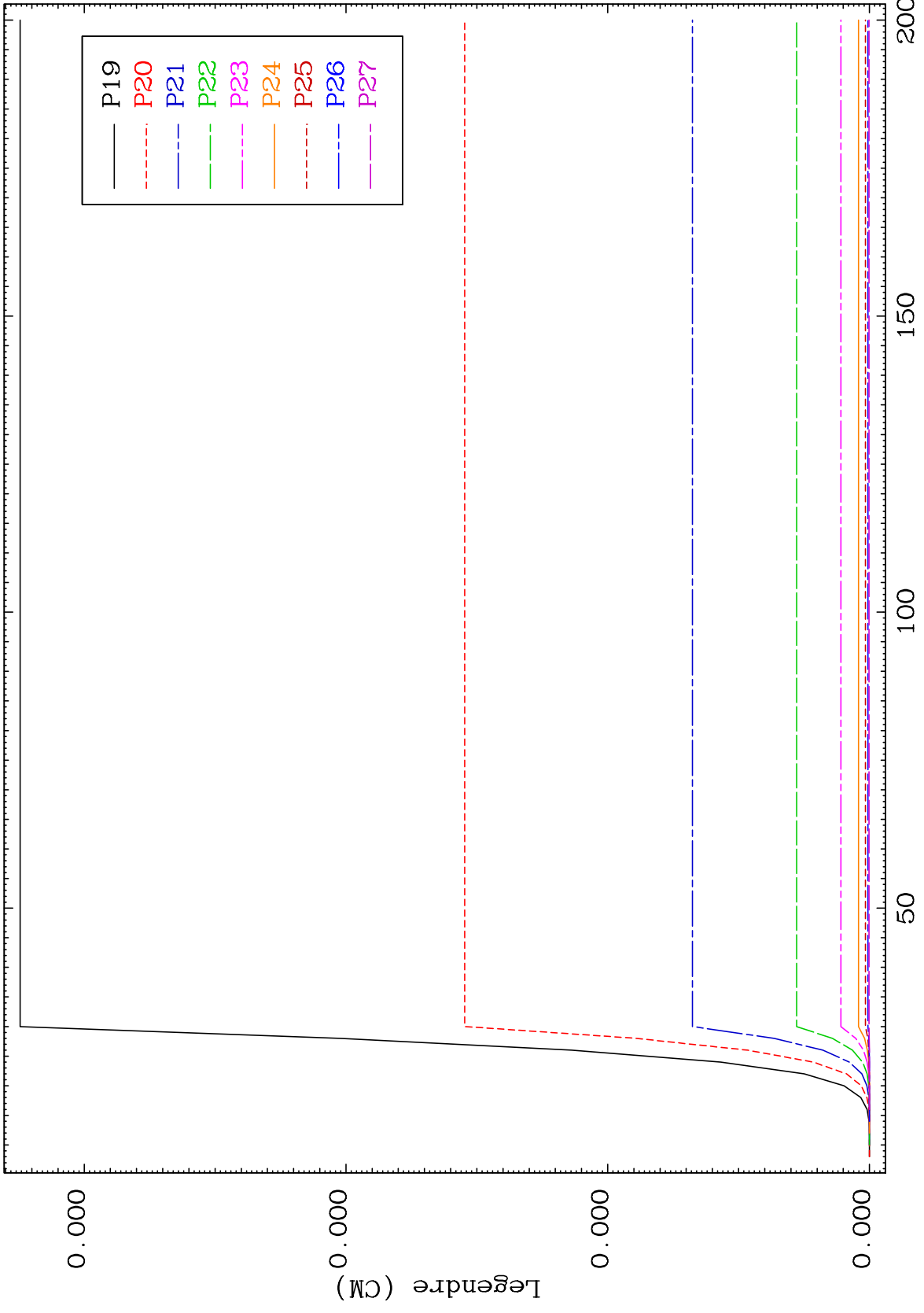


MAT 4034 MT= 60 (n,n') Level Legendre Coefficients 40-Zr-93



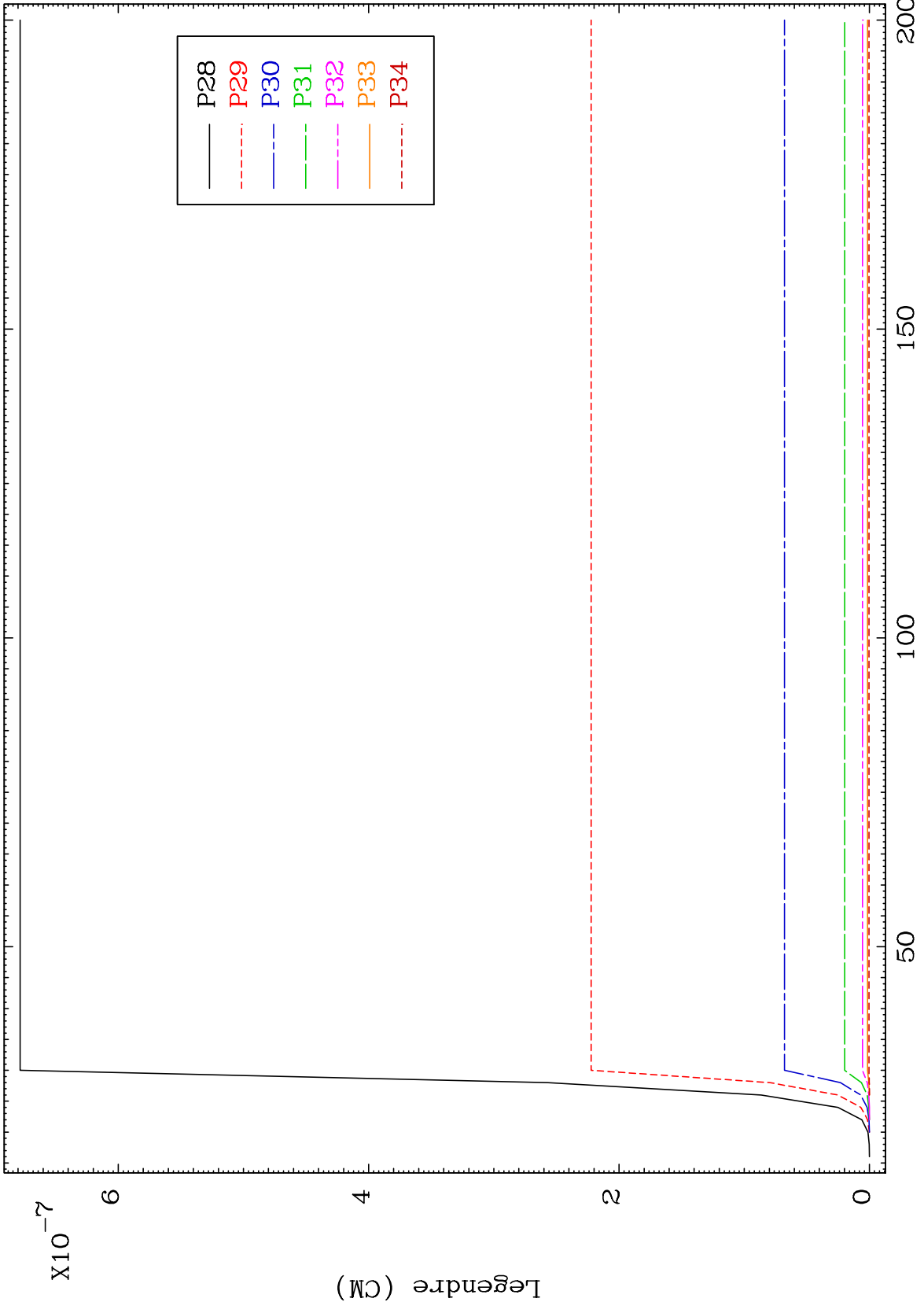
57 40-Zr-93

MAT 4034 MT= 60 (n,n') Level Legendre Coefficients 40-Zr-93



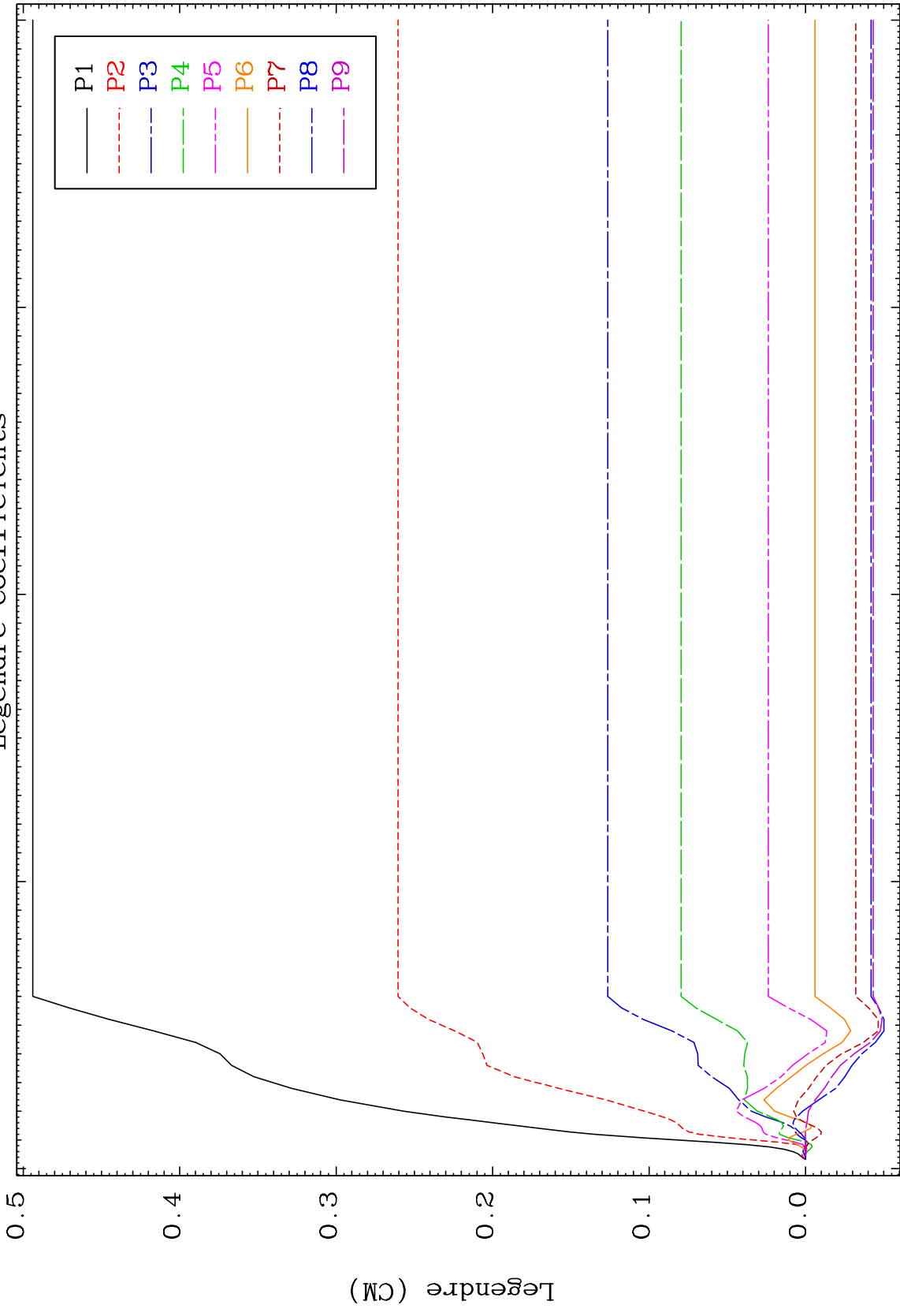
58 Incident Energy (MeV) 40-Zr-93

MAT 4034 MT= 60 (n,n') Level Legendre Coefficients 40-Zr-93



59 Incident Energy (MeV) 40-Zr-93

MAT 4034 MT= 61 (n,n') Level Legendre Coefficients 40-Zr-93

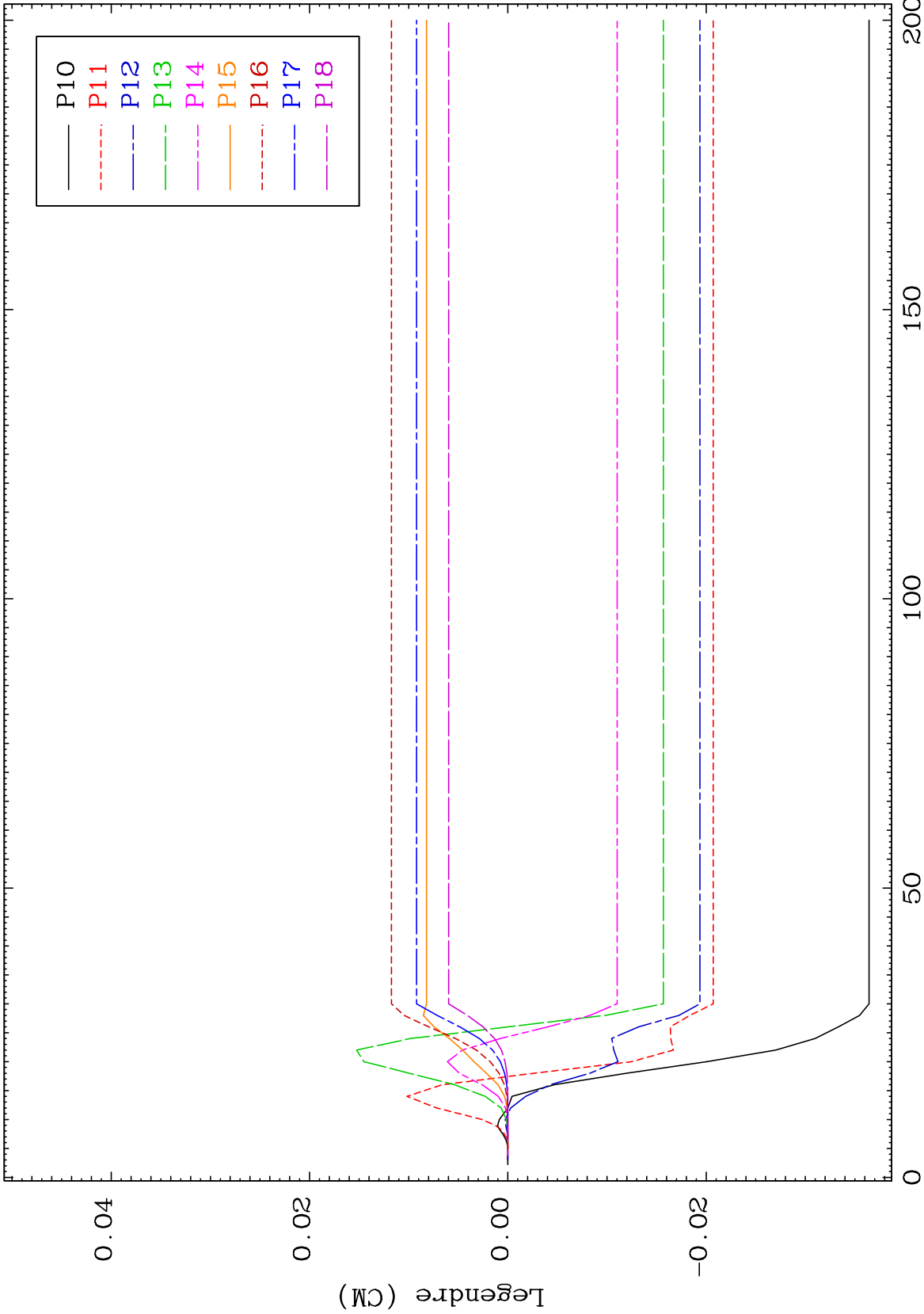


60 100 150 200 40-Zr-93

MAT 4034

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

40-Zr-93

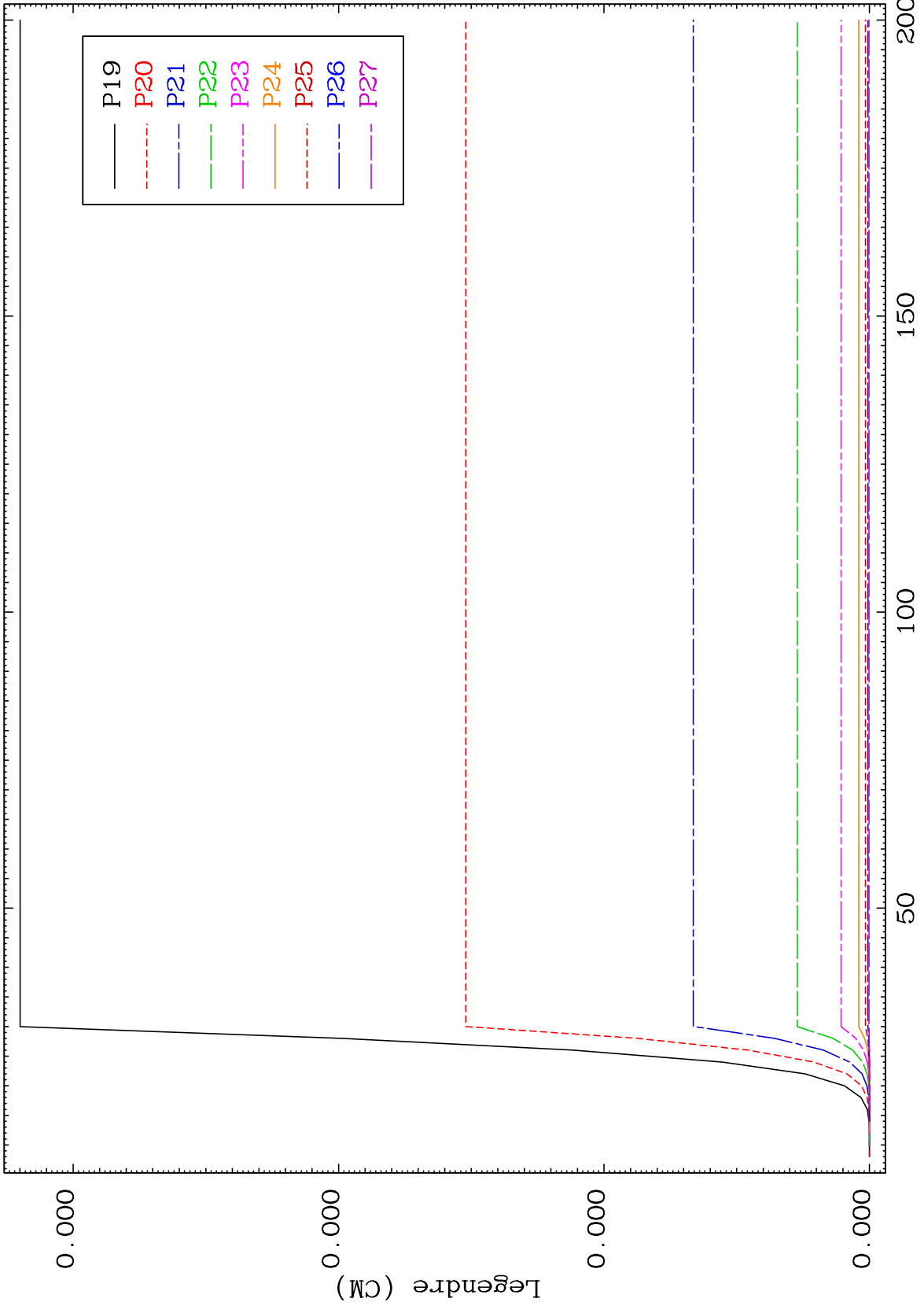


61

Incident Energy (MeV)

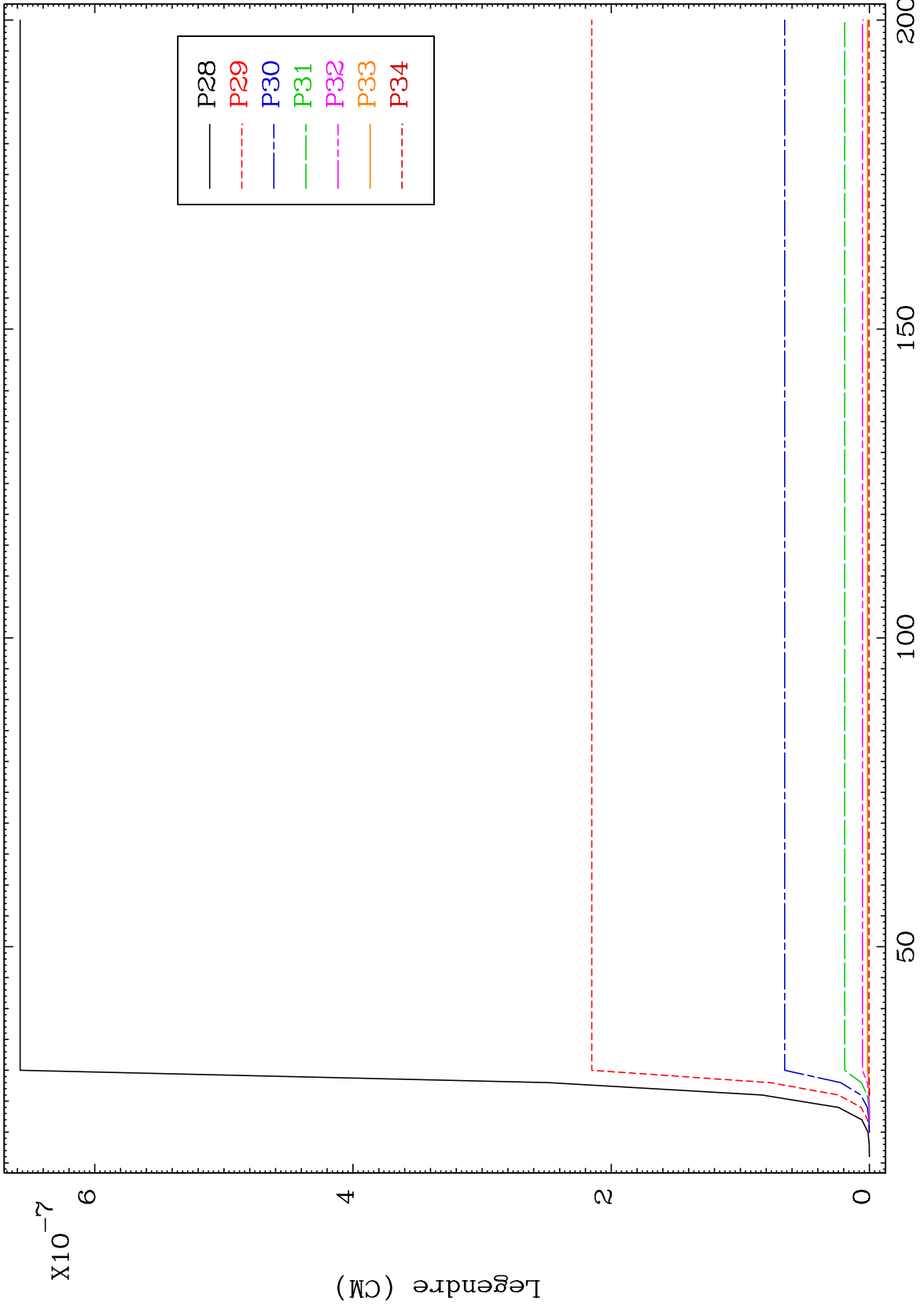
40-Zr-93

MAT 4034 MT= 61 (n,n') Level Legendre Coefficients 40-Zr-93



62 40-Zr-93

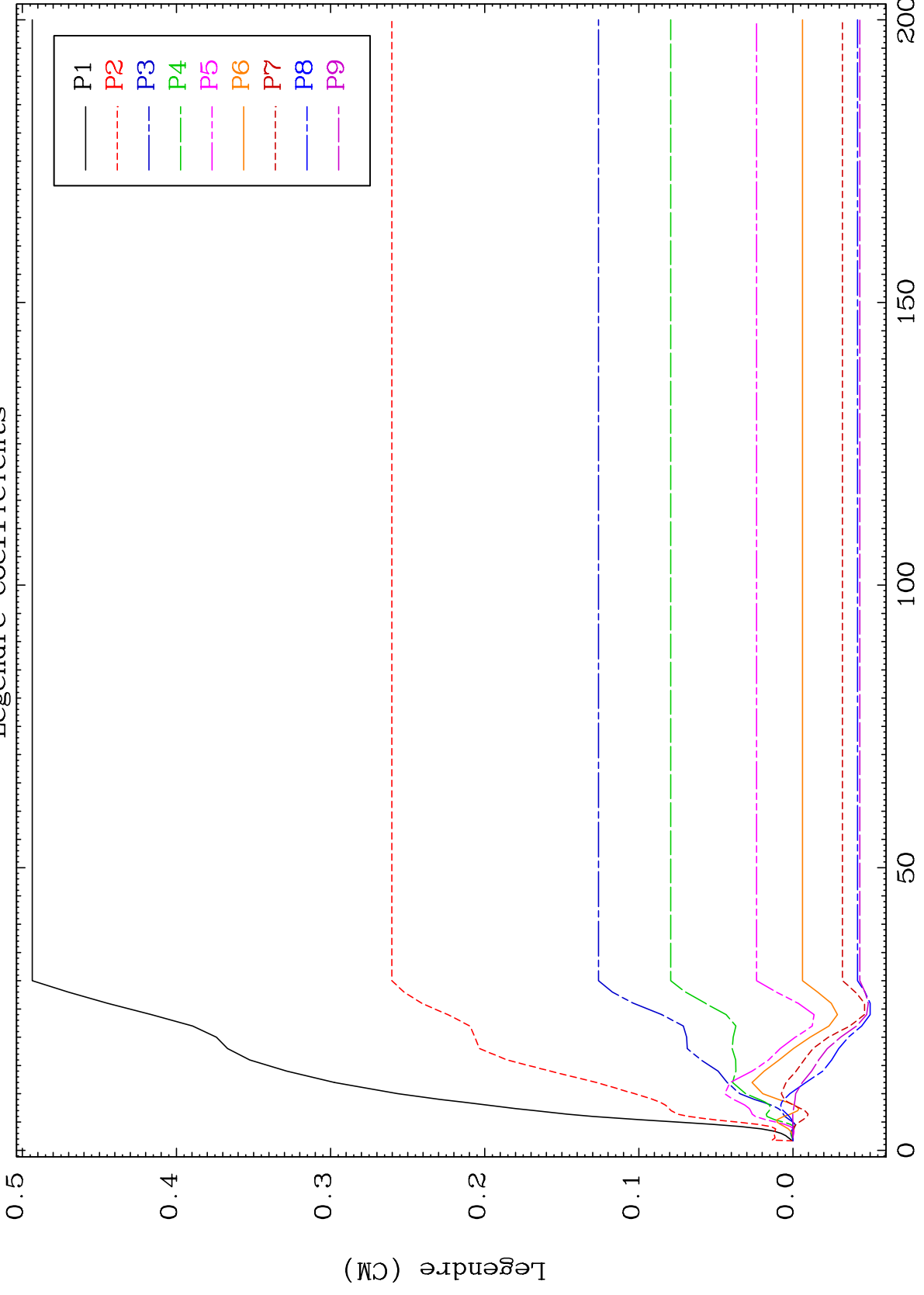
MAT 4034 MT= 61 (n,n') Level Legendre Coefficients 40-Zr-93



63 Incident Energy (MeV) 40-Zr-93



MAT 4034 MT= 62 (n,n') Level Legendre Coefficients 40-Zr-93

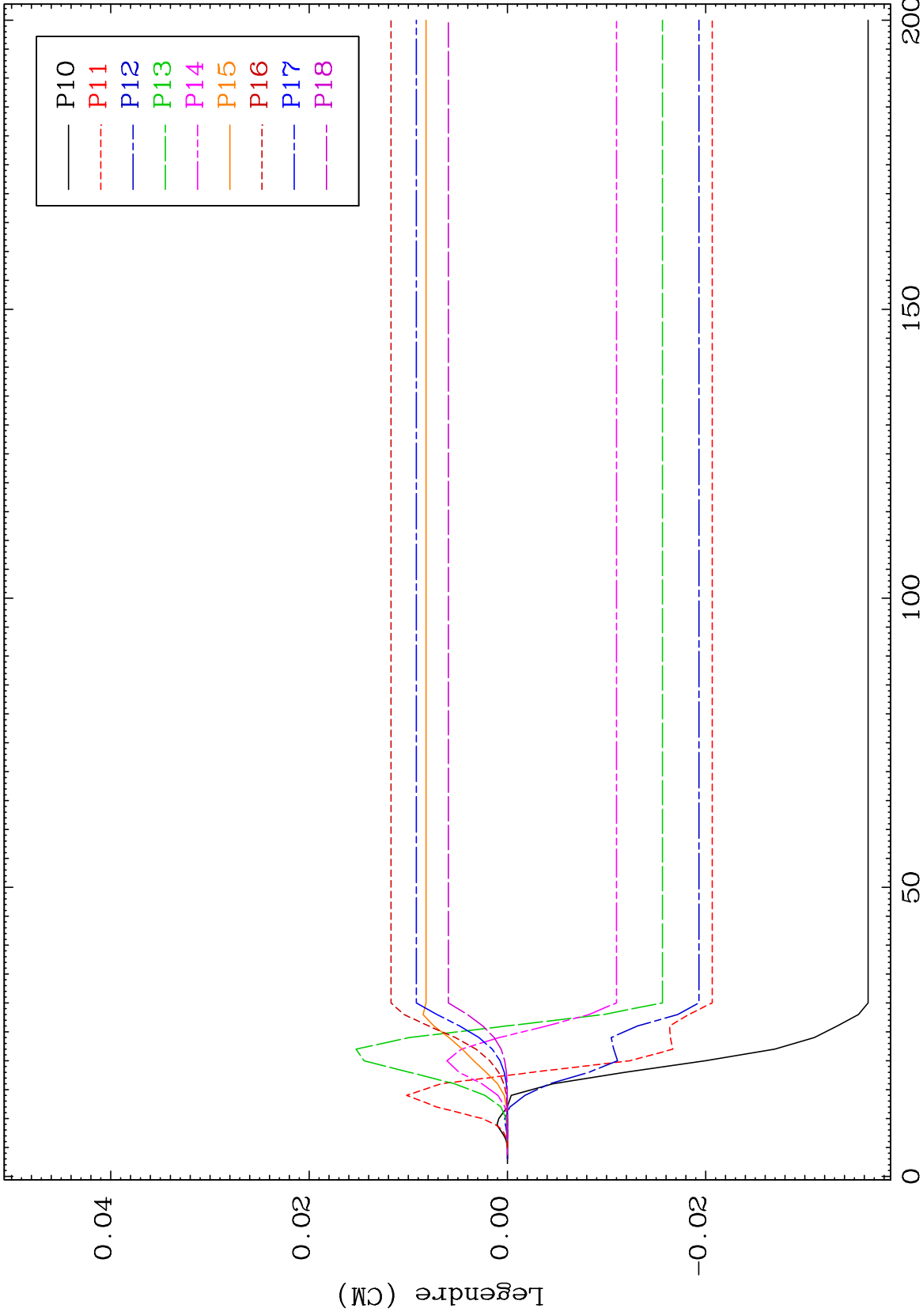


64 40-Zr-93

MAT 4034

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

40-Zr-93



65

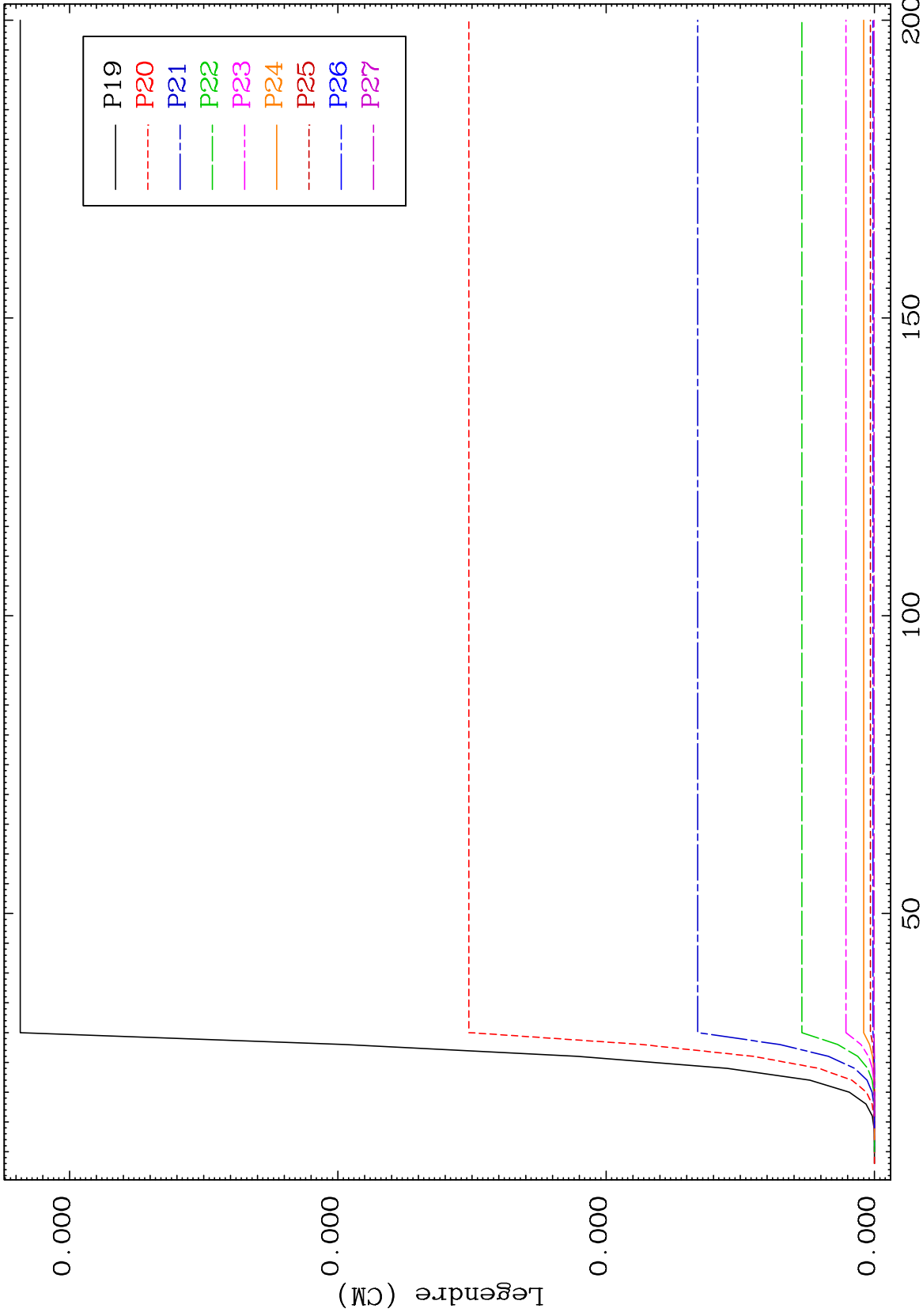
Incident Energy (MeV)

40-Zr-93

MAT 4034

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

40-Zr-93



66

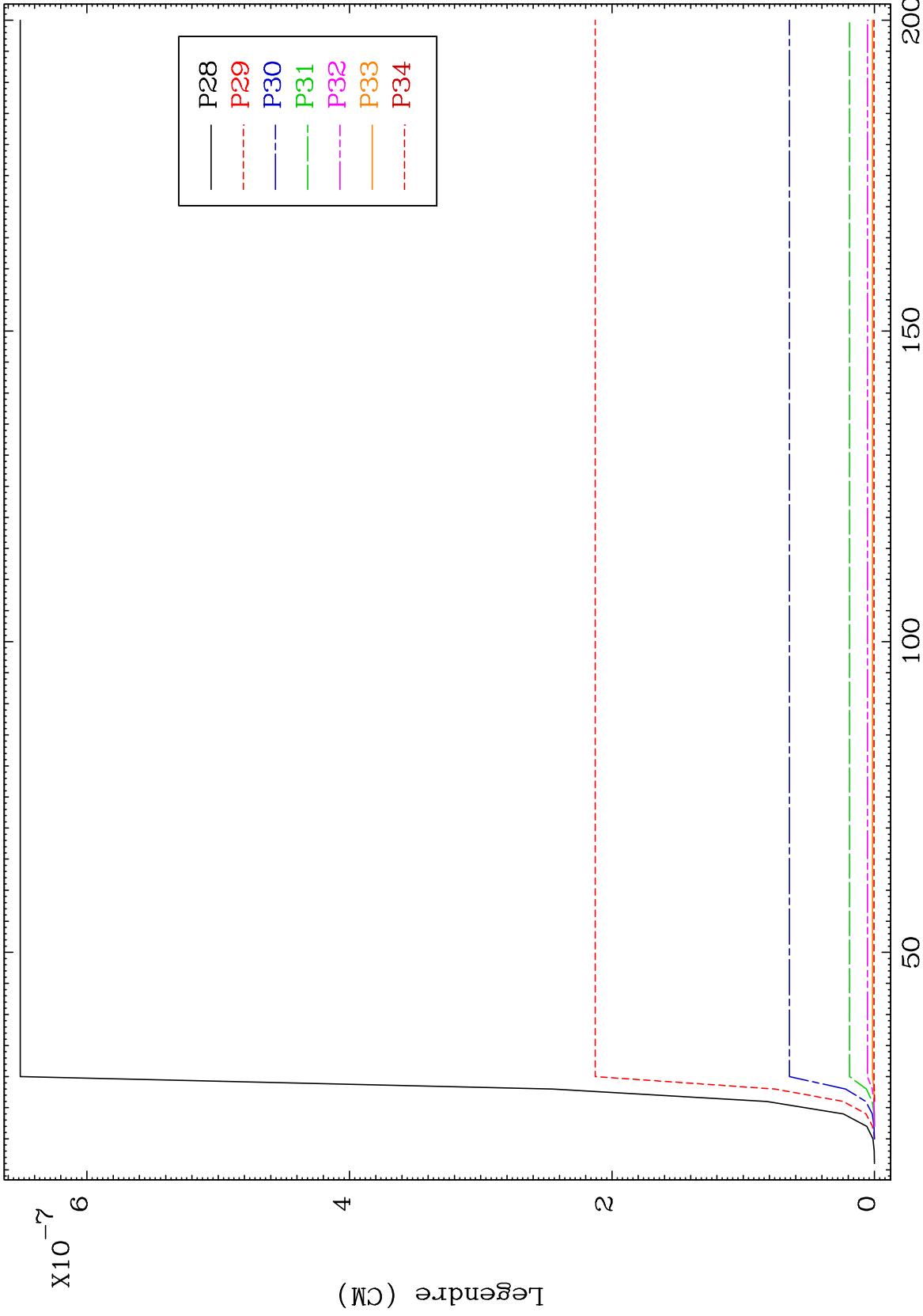
Incident Energy (MeV)

40-Zr-93

MAT 4034

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

40-Zr-93

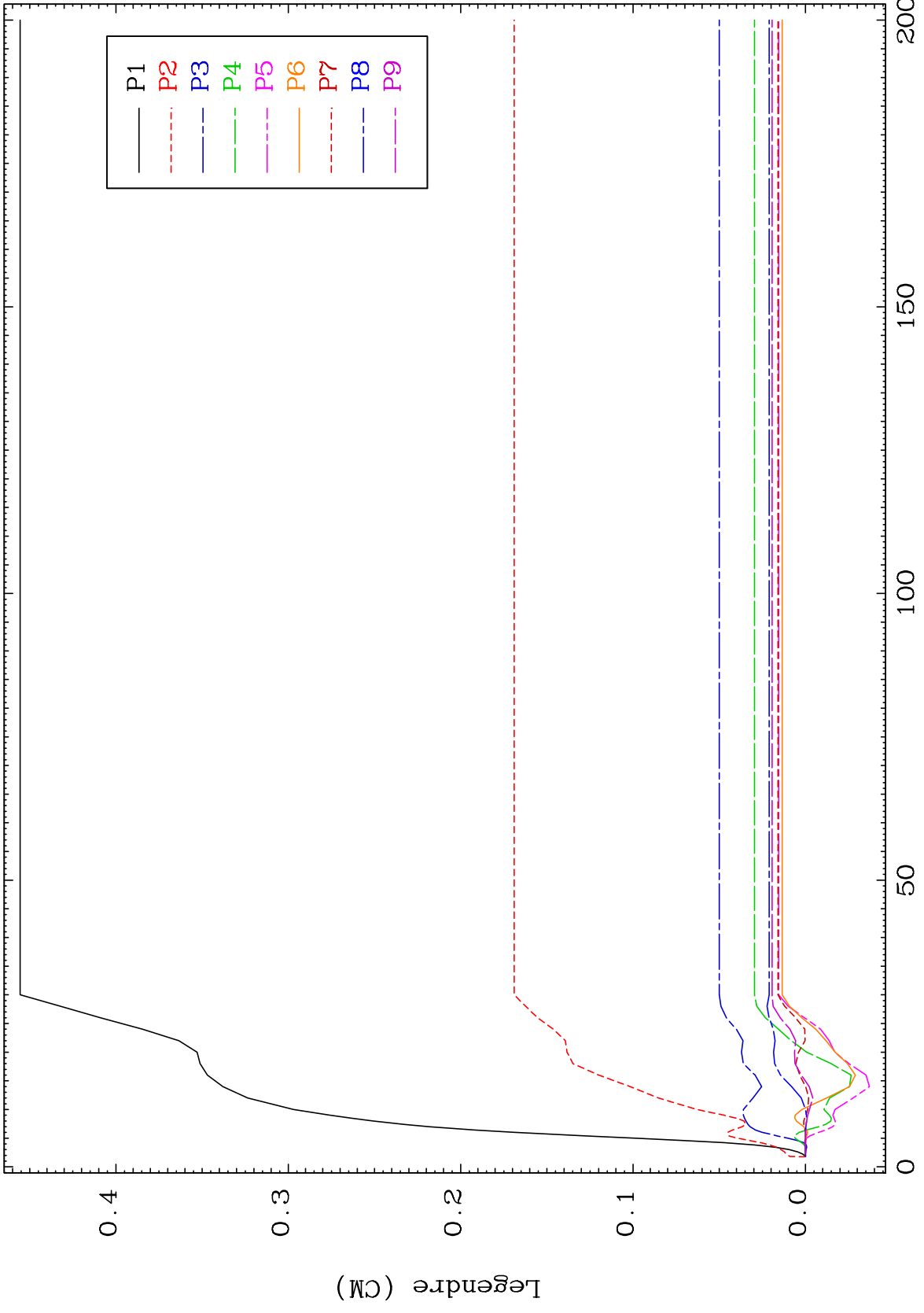


67

Incident Energy (MeV)

40-Zr-93

MAT 4034 MT= 63 (n,n') Level Legendre Coefficients 40-Zr-93

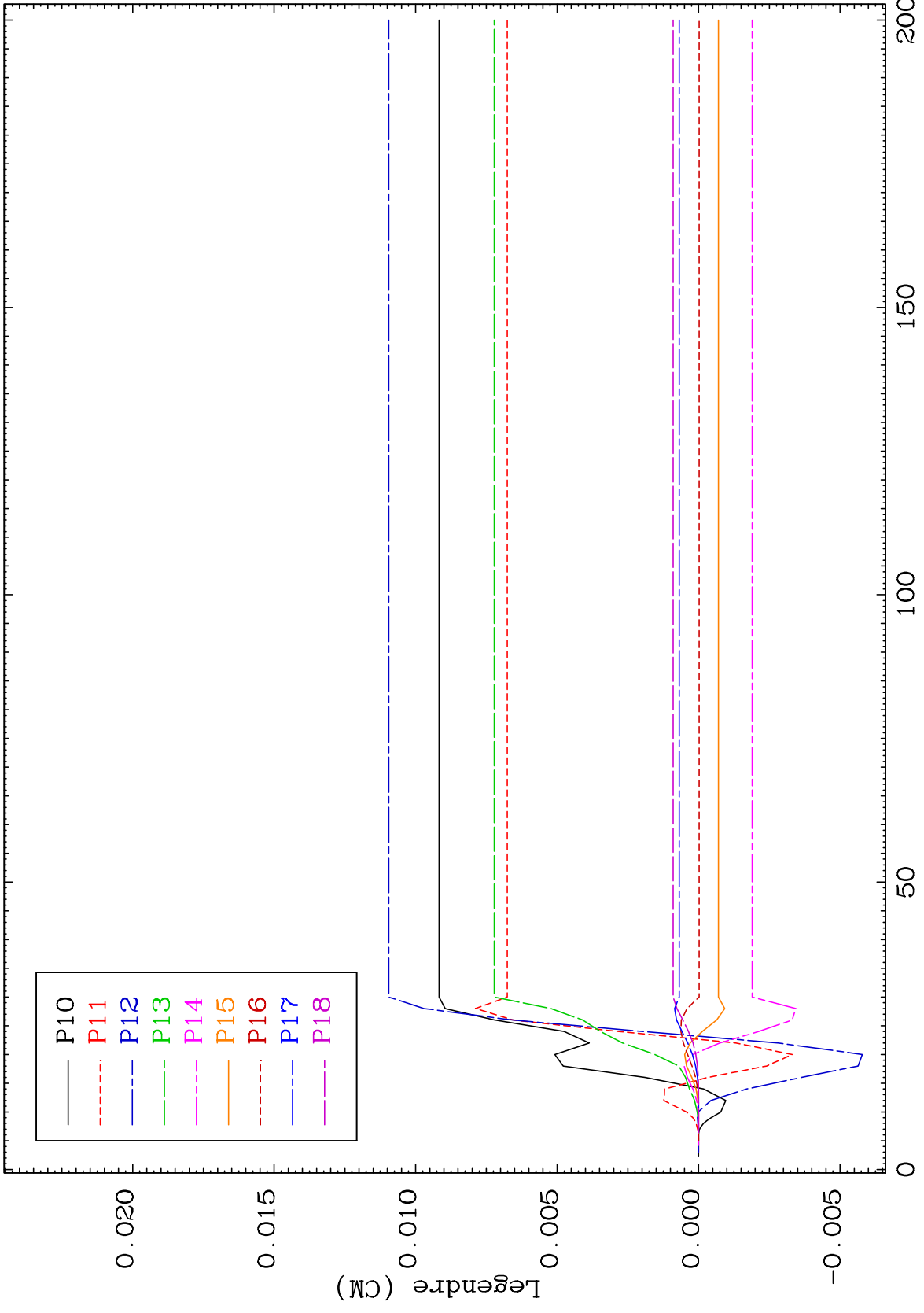


68 40-Zr-93

MAT 4034

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

40-Zr-93



69

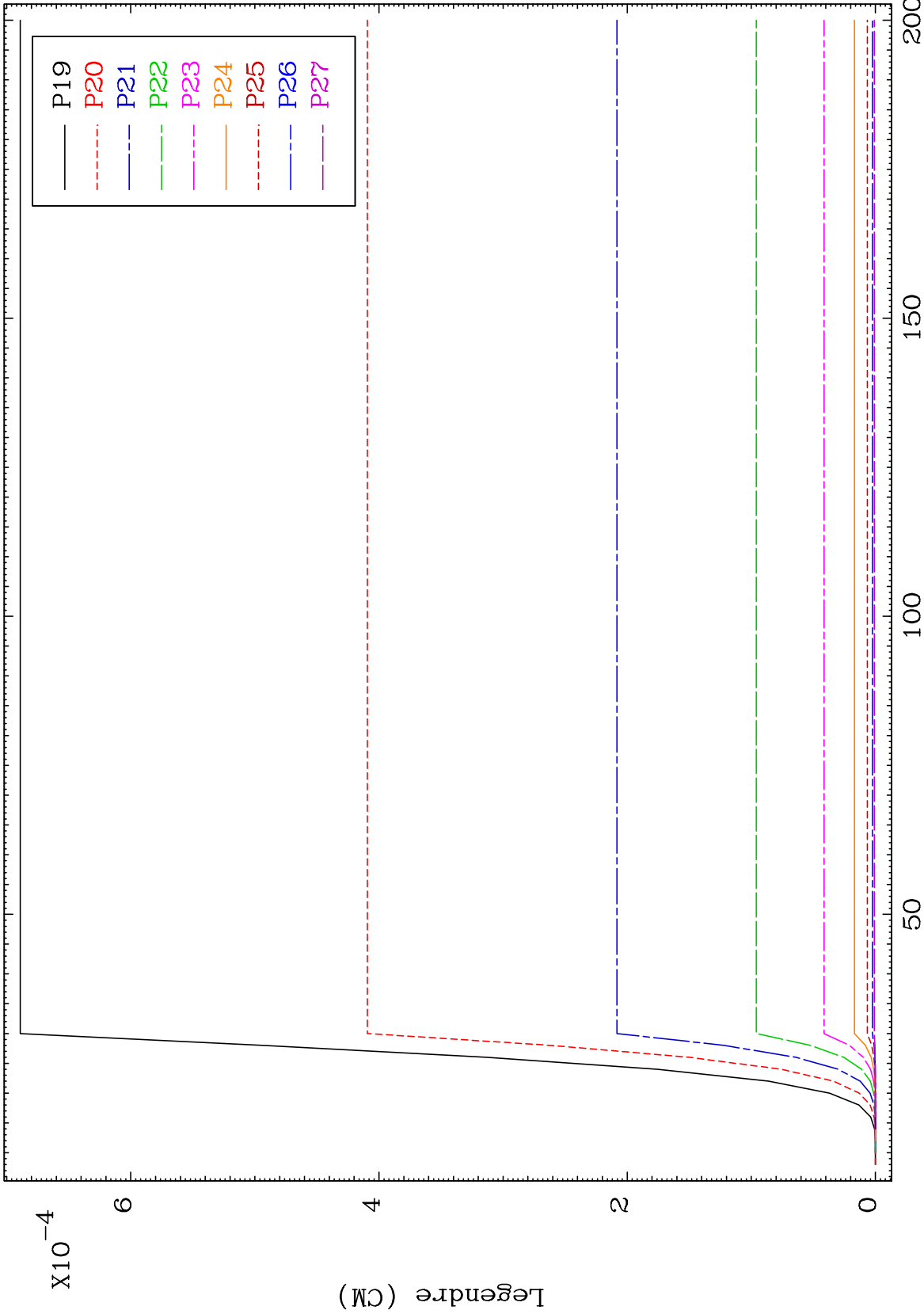
Incident Energy (MeV)

40-Zr-93

MAT 4034

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

40-Zr-93

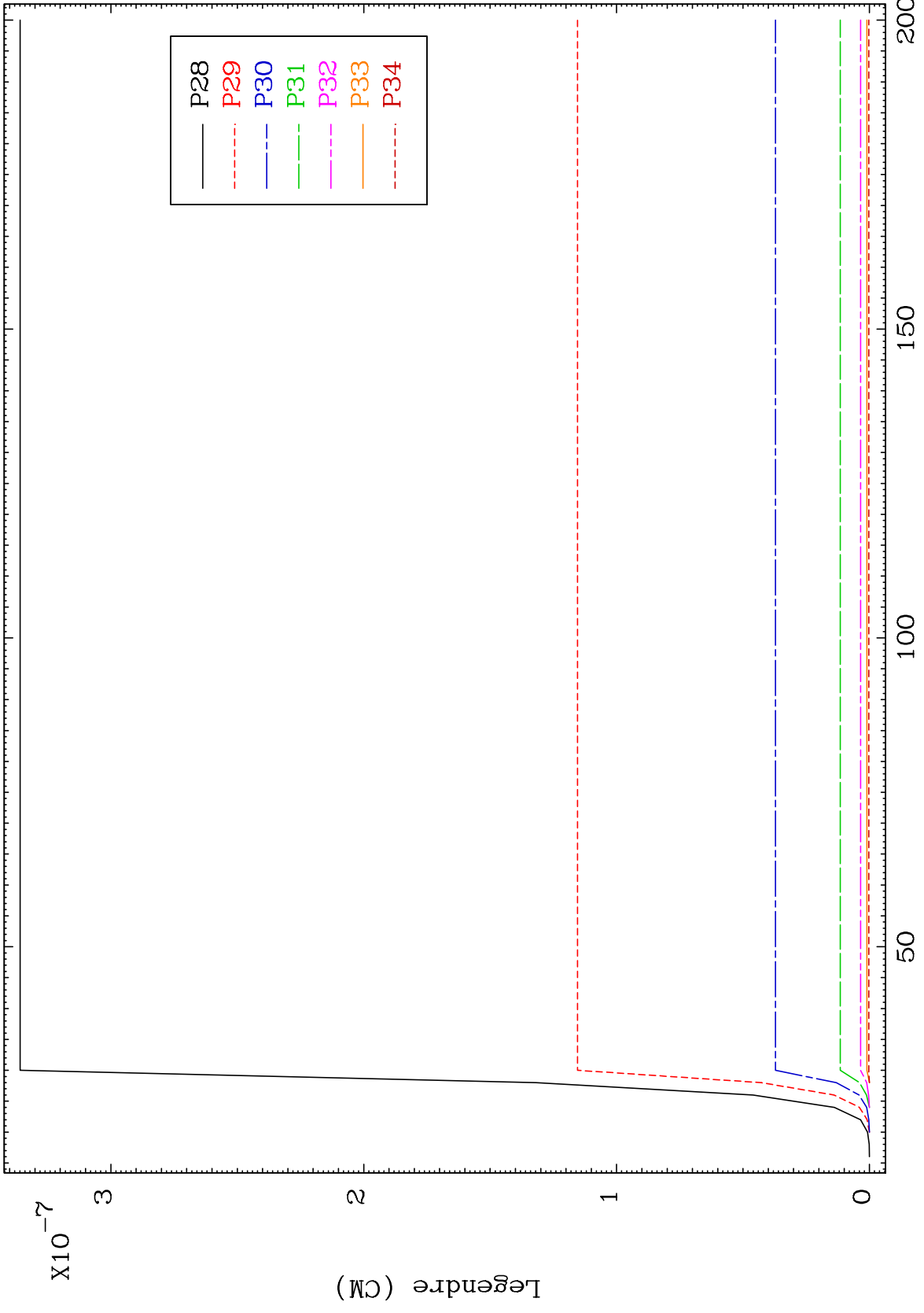


70

Incident Energy (MeV)

40-Zr-93

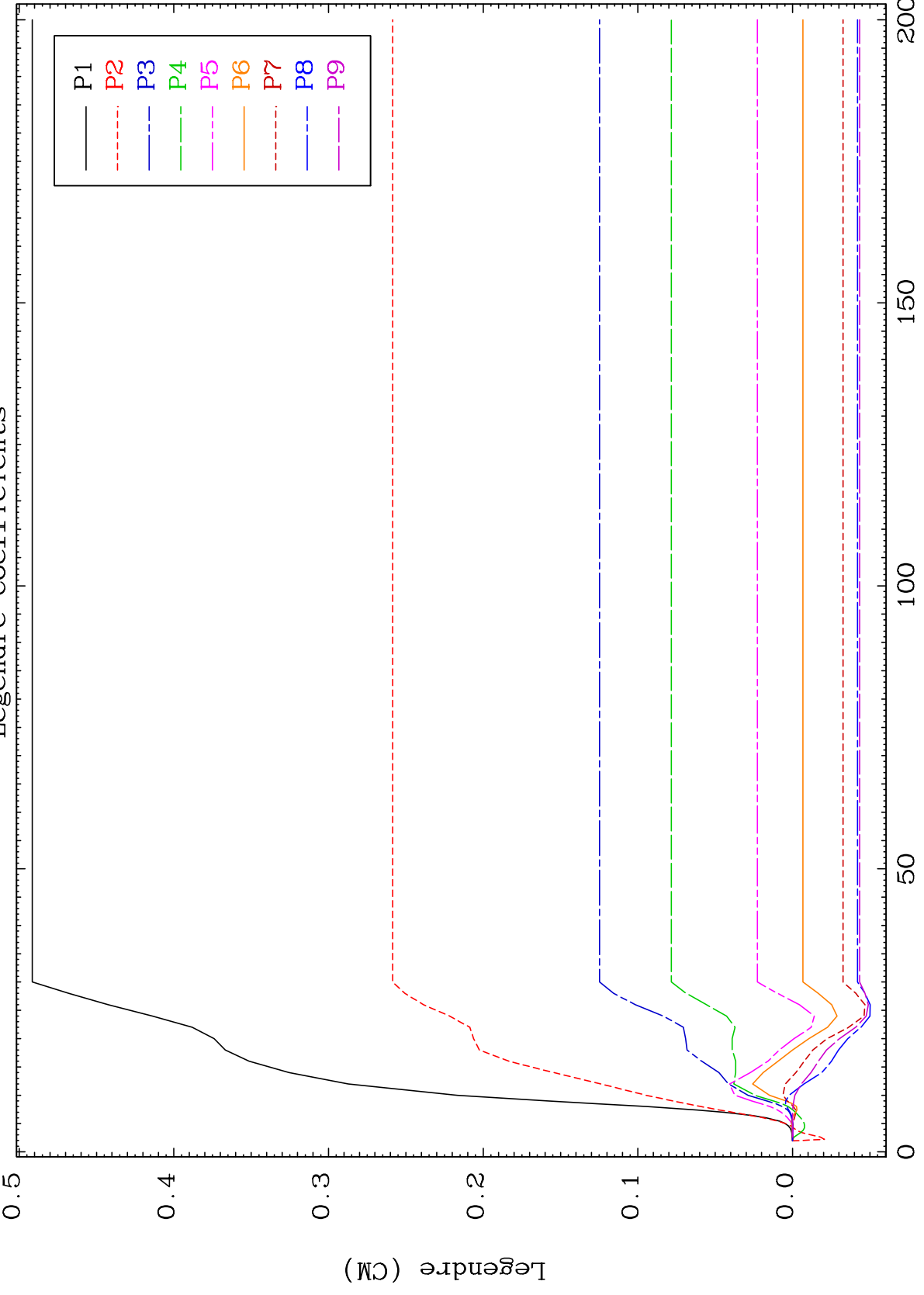
MAT 4034 MT= 63 (n,n') Level Legendre Coefficients 40-Zr-93



71 40-Zr-93



MAT 4034 MT= 64 (n,n') Level Legendre Coefficients 40-Zr-93

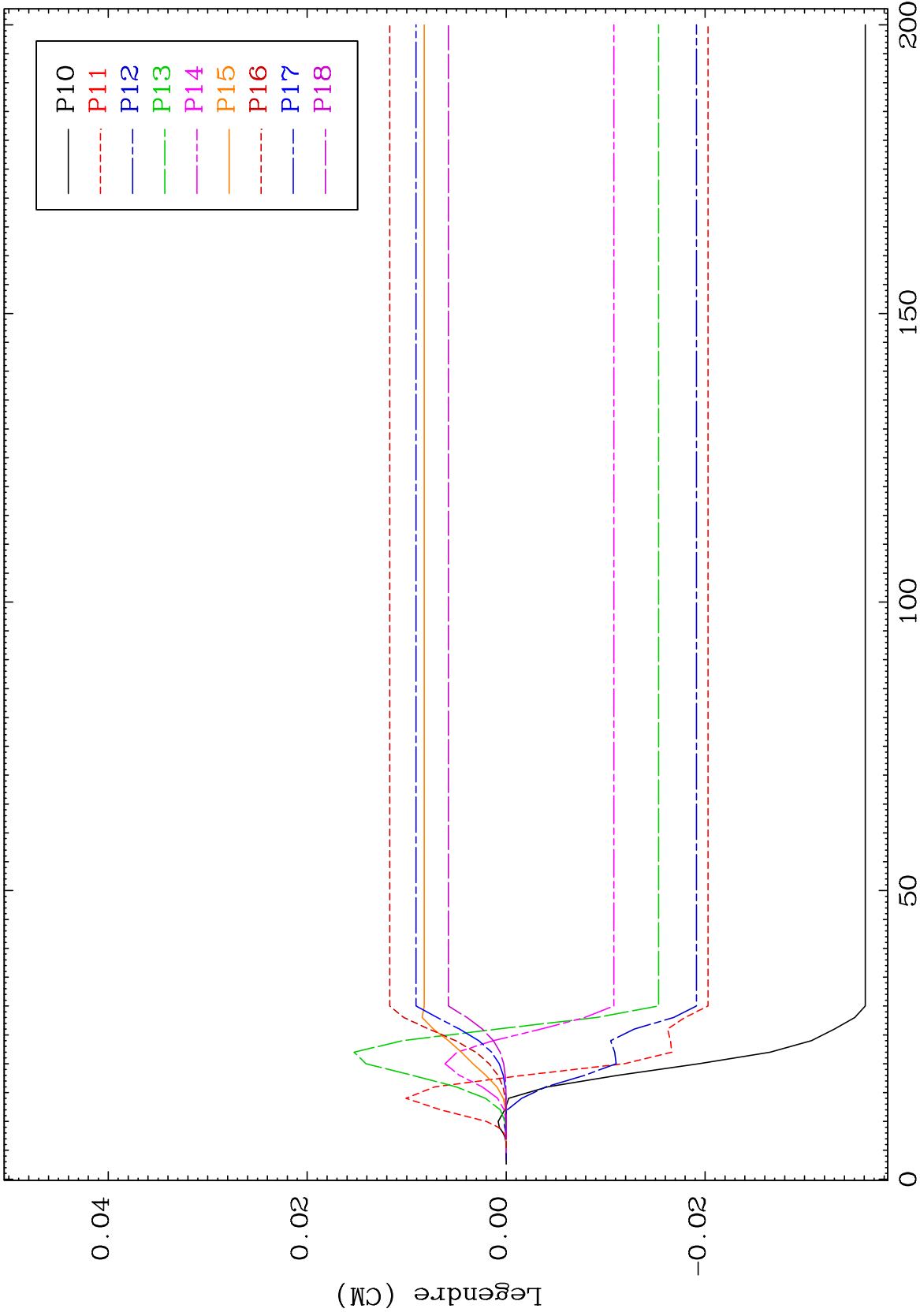


72 40-Zr-93

MAT 4034

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

40-Zr-93

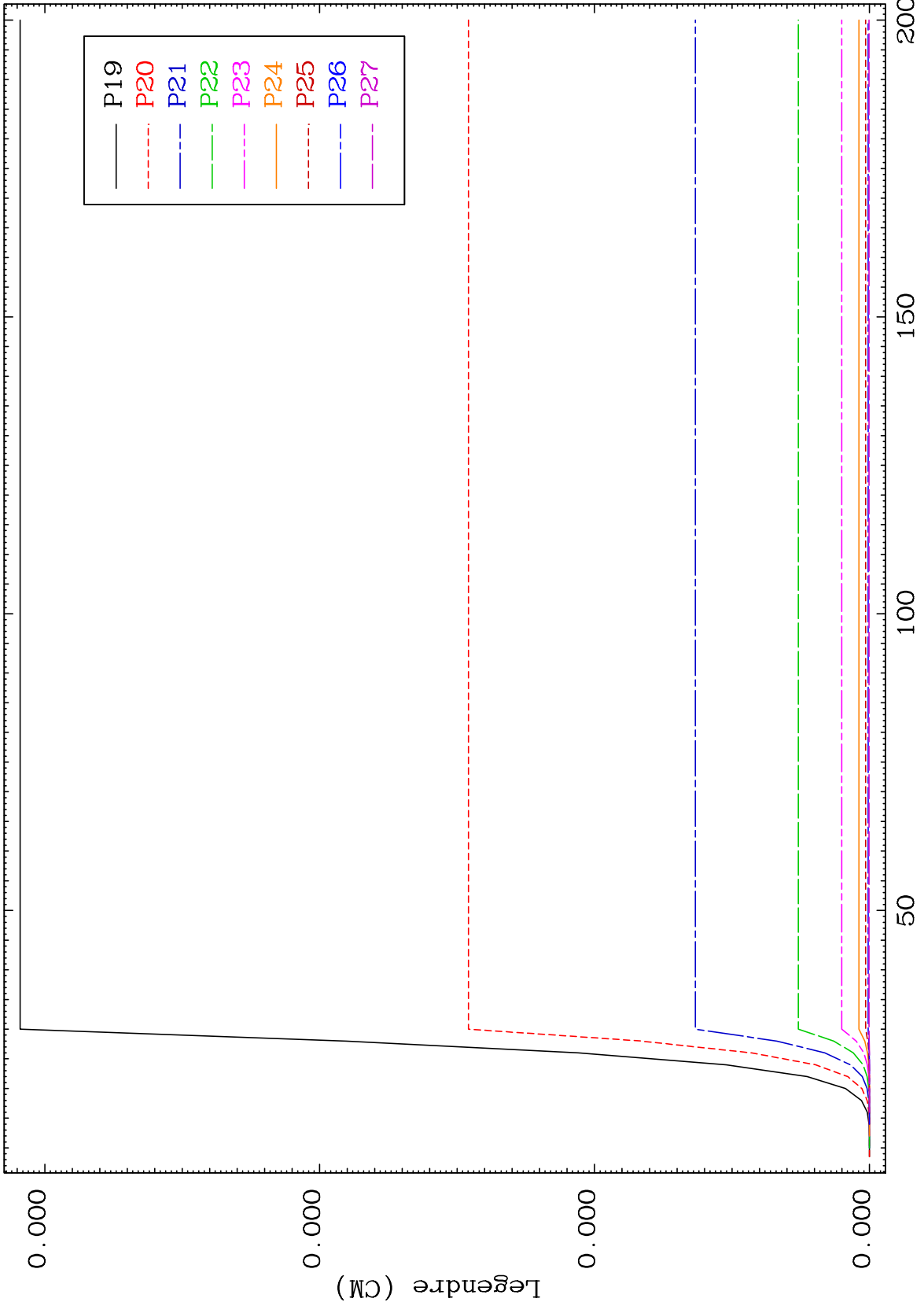


73

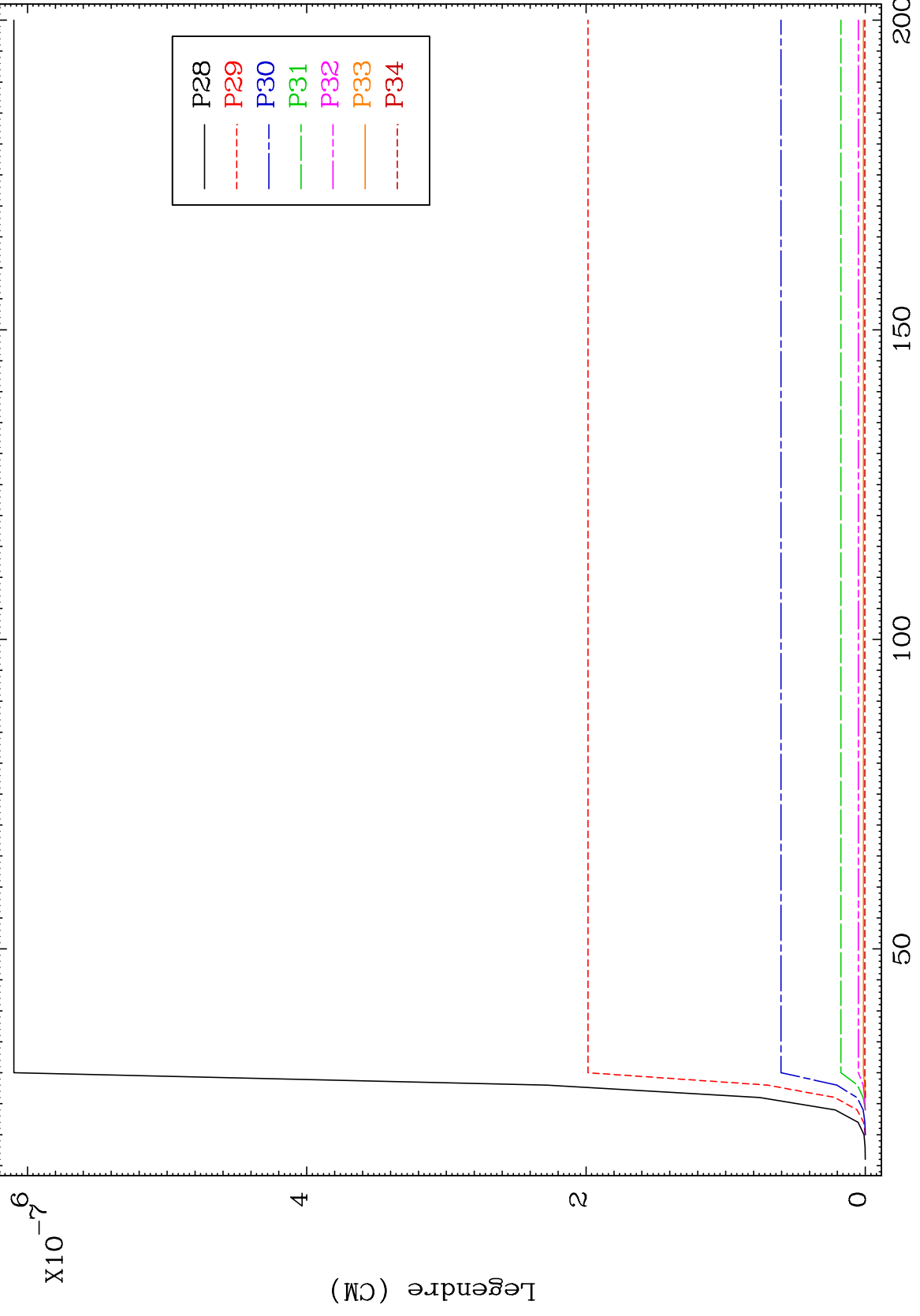
Incident Energy (MeV)

40-Zr-93

MAT 4034 MT= 64 (n,n') Level Legendre Coefficients 40-Zr-93

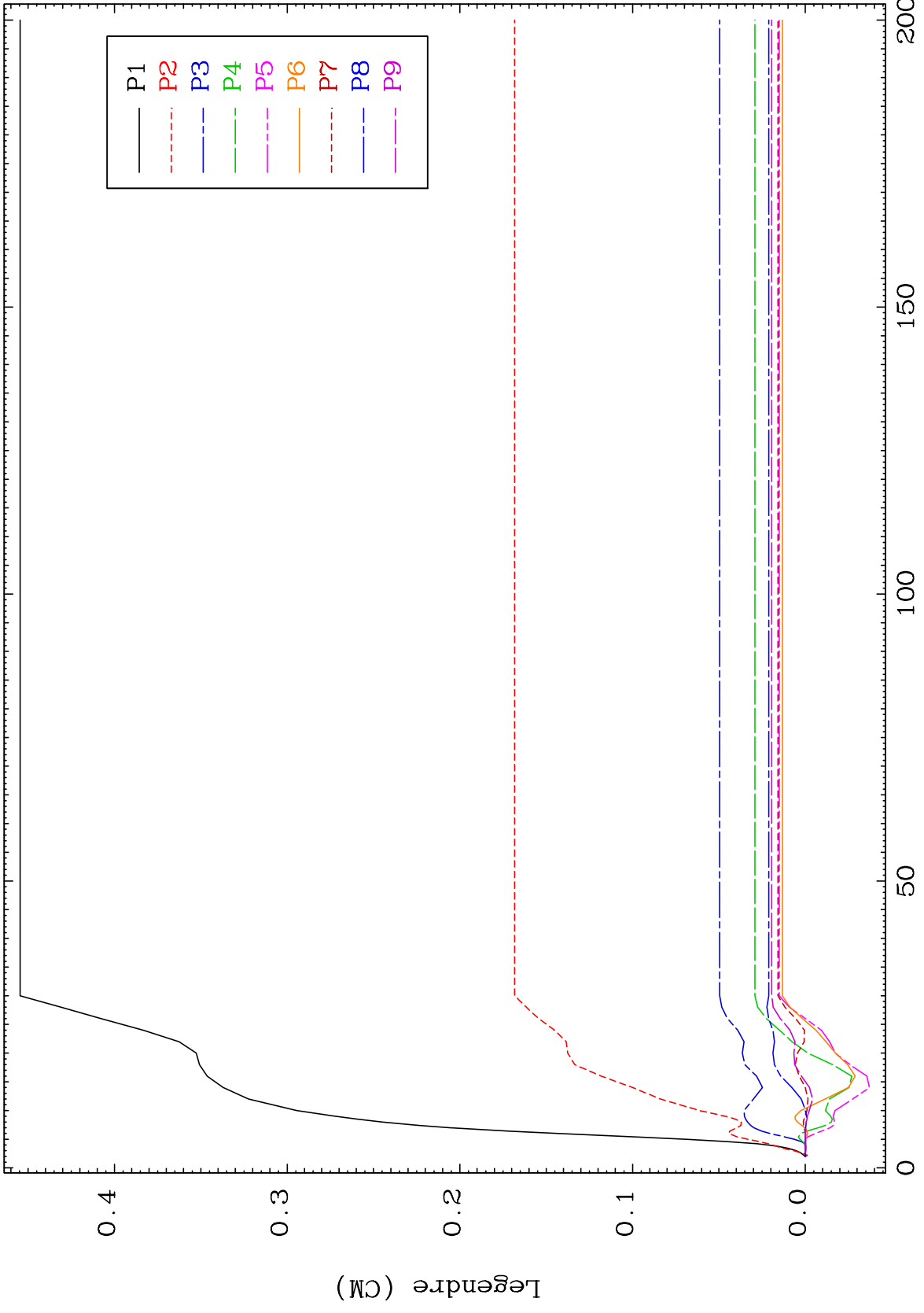


MAT 4034 MT= 64 (n,n') Level Legendre Coefficients 40-Zr-93



75 Incident Energy (MeV) 40-Zr-93

MAT 4034 MT= 65 (n,n') Level Legendre Coefficients 40-Zr-93

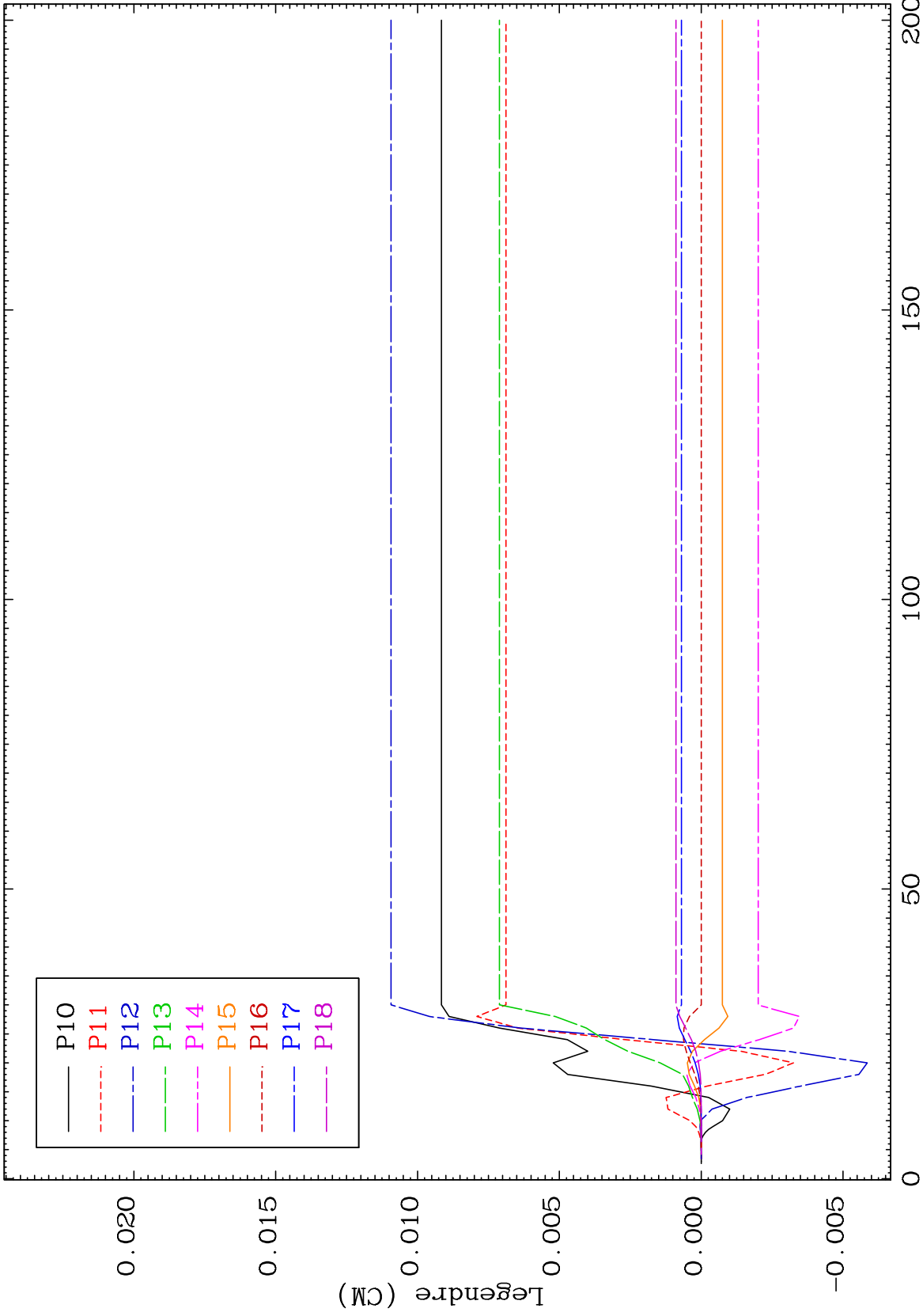


76 40-Zr-93

MAT 4034

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

40-Zr-93



77

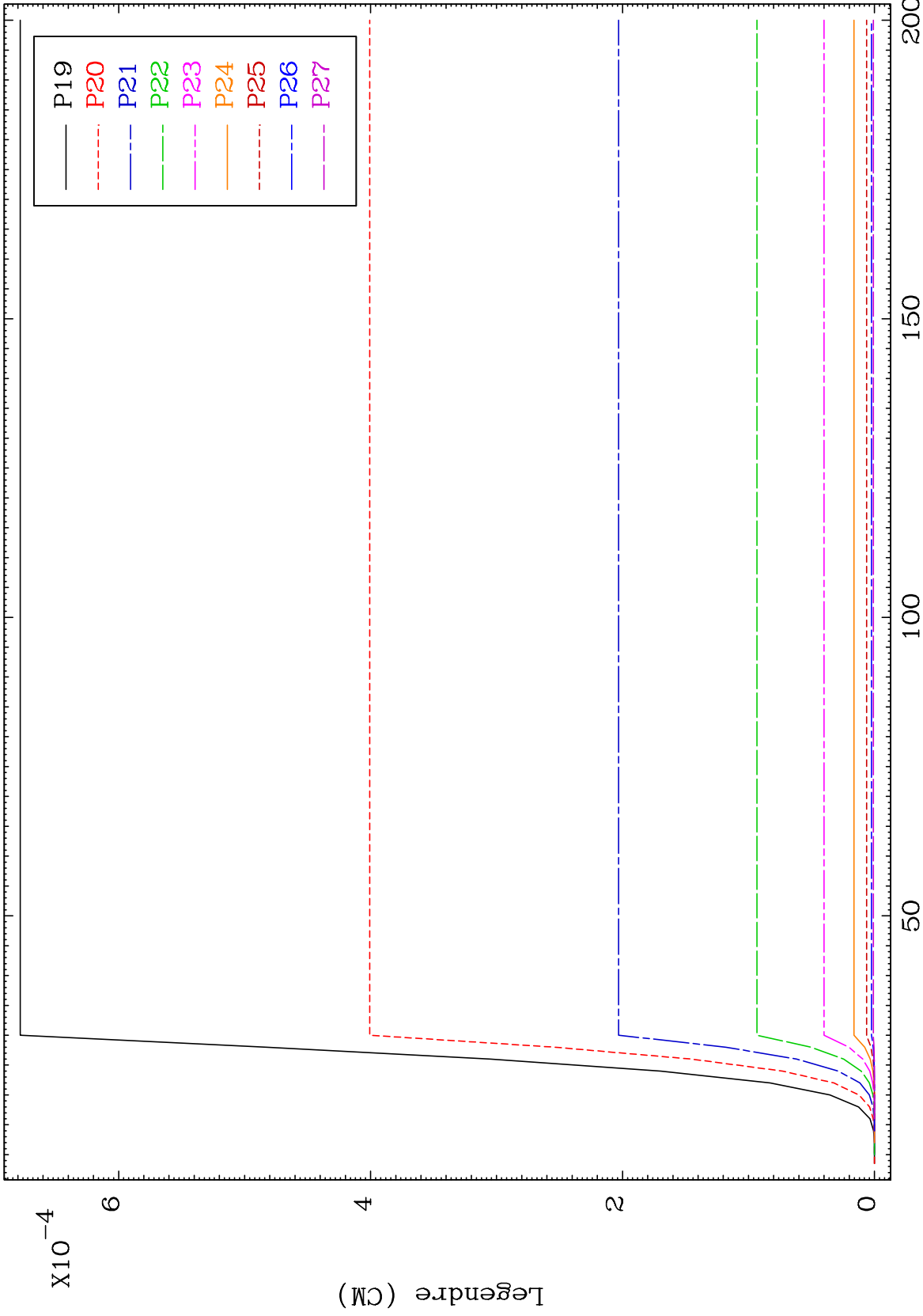
Incident Energy (MeV)

40-Zr-93

MAT 4034

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

40-Zr-93

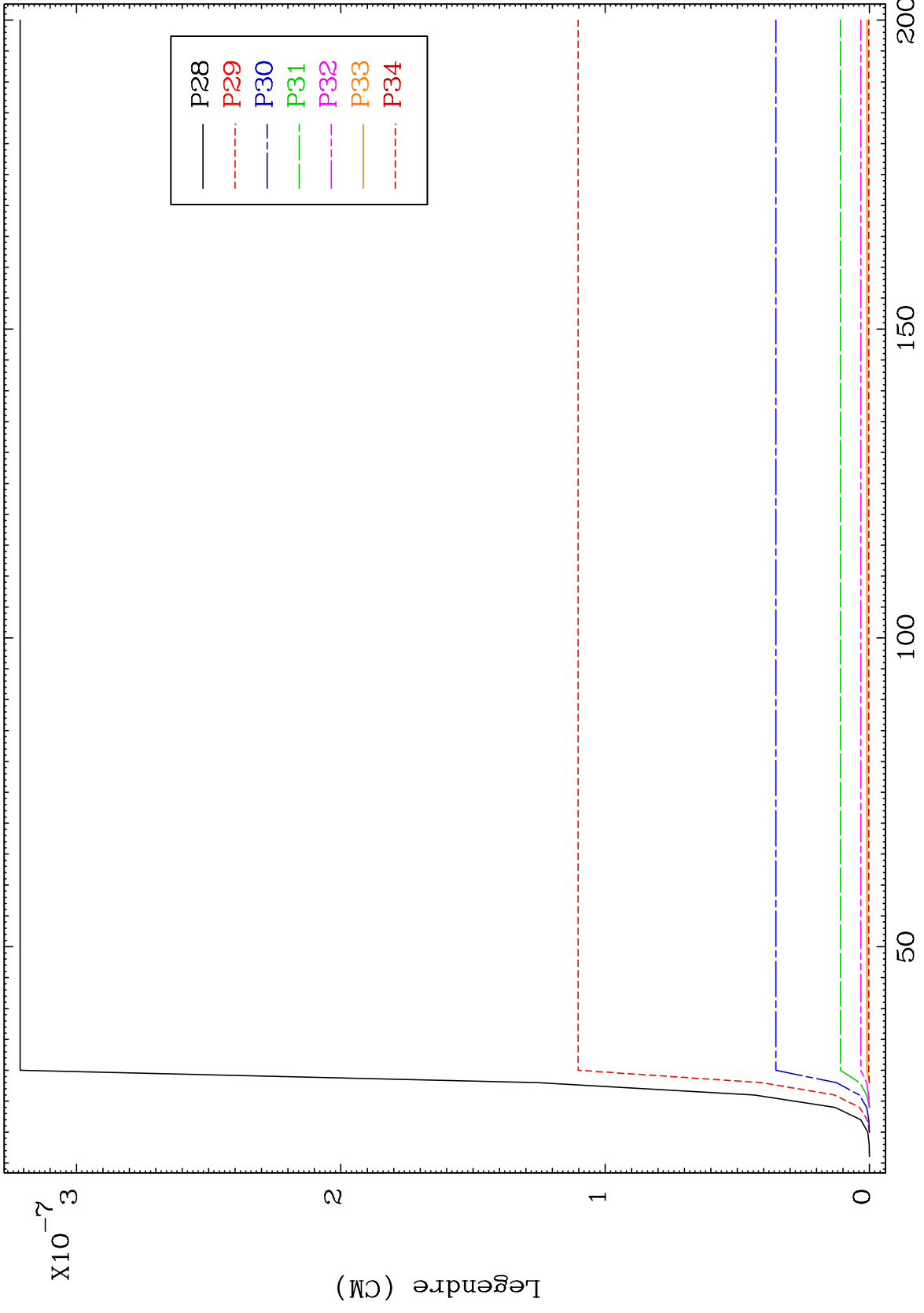


40-Zr-93

Incident Energy (MeV)

78

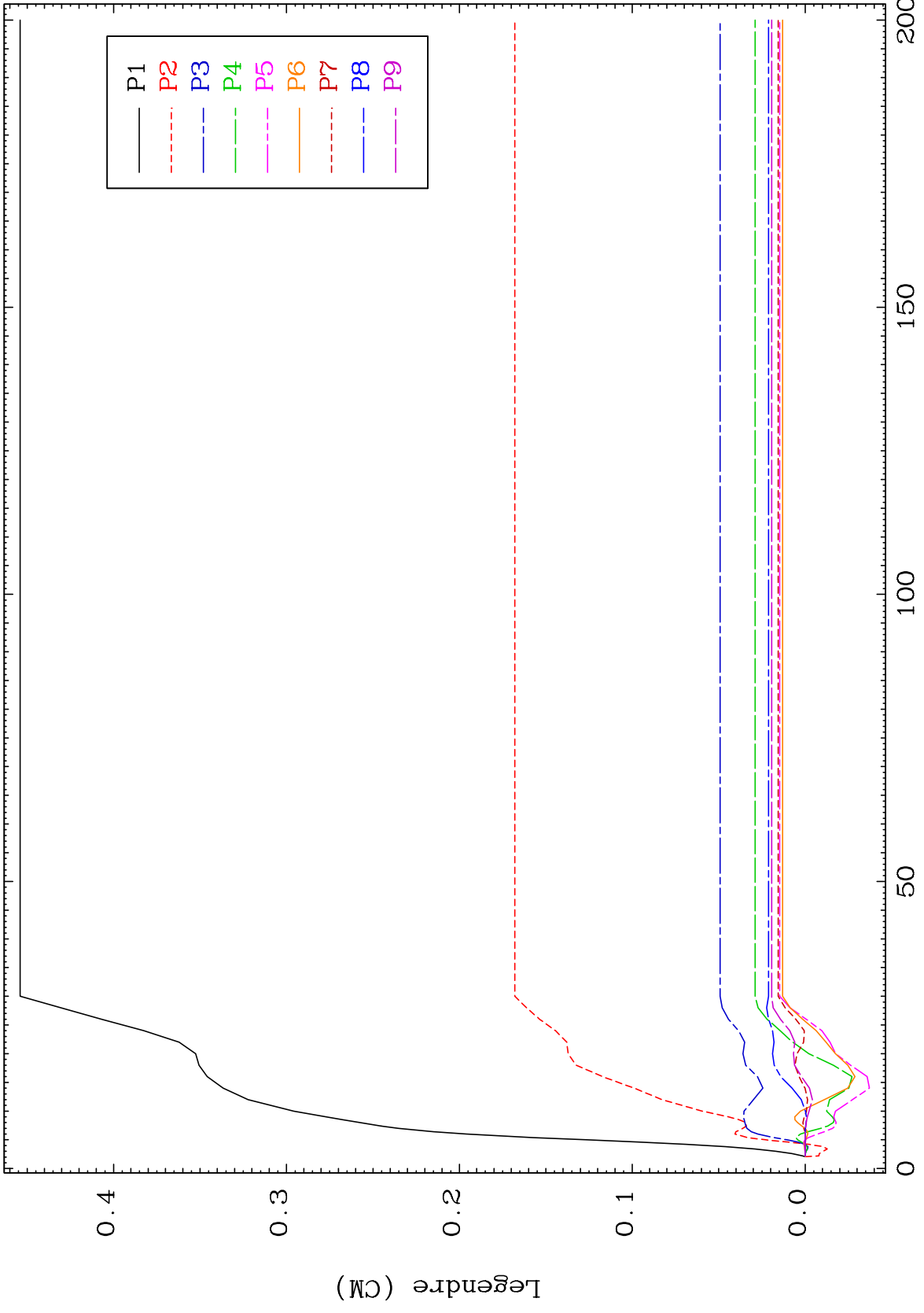
MAT 4034 MT= 65 (n,n') Level Legendre Coefficients 40-Zr-93



79 40-Zr-93



MAT 4034 MT= 66 (n,n') Level Legendre Coefficients 40-Zr-93

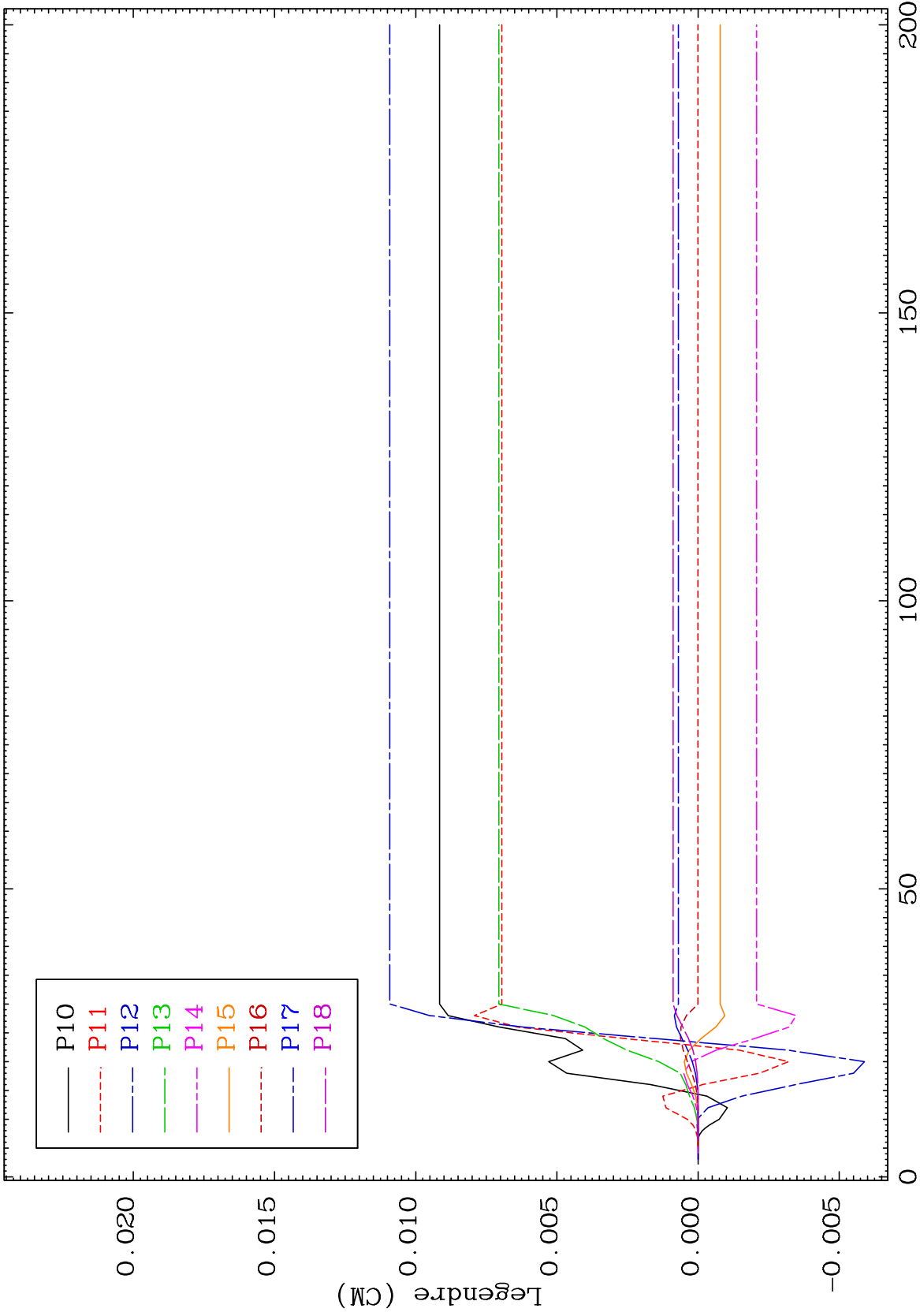


40-Zr-93

MAT 4034

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

40-Zr-93



81

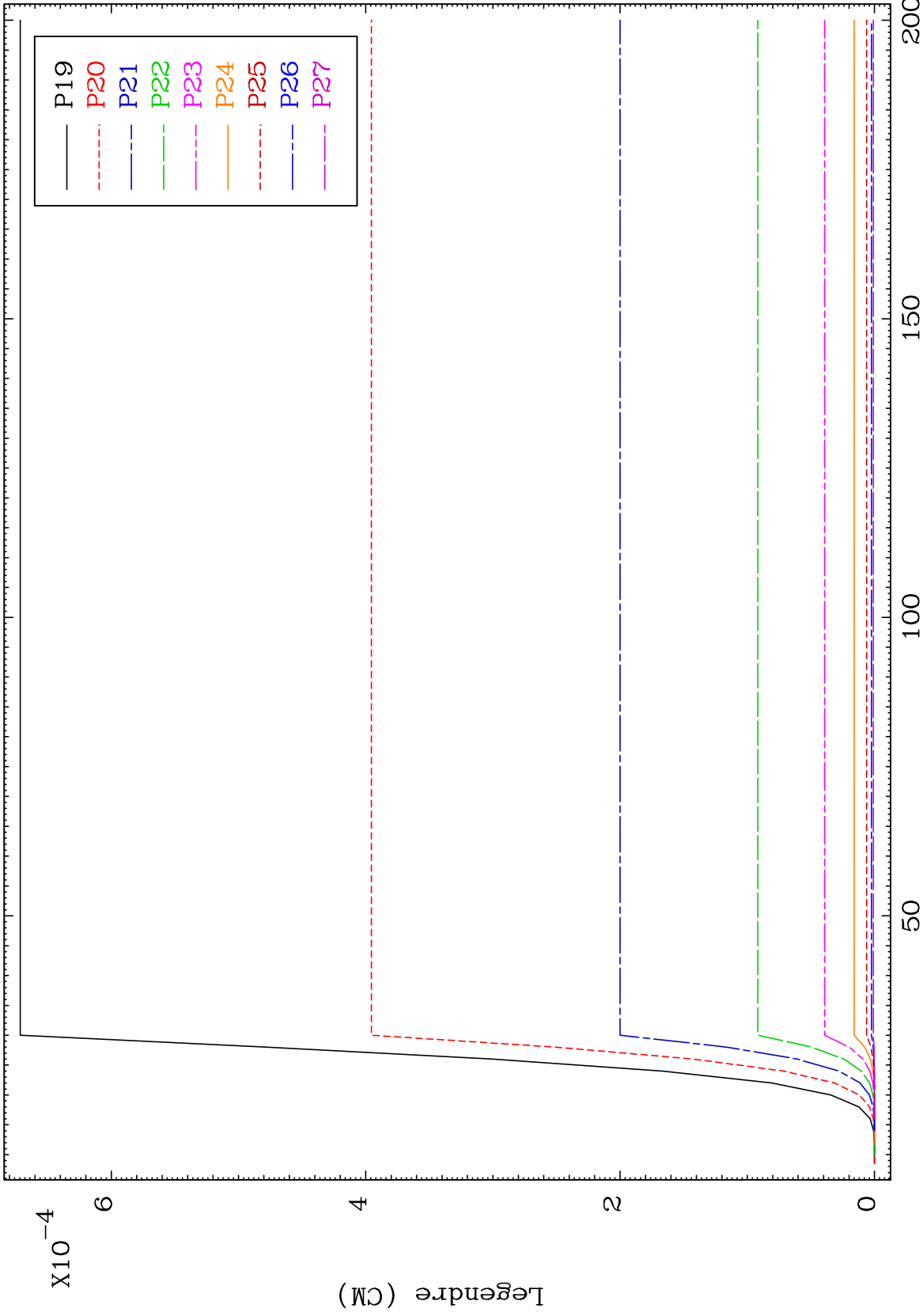
Incident Energy (MeV)

40-Zr-93

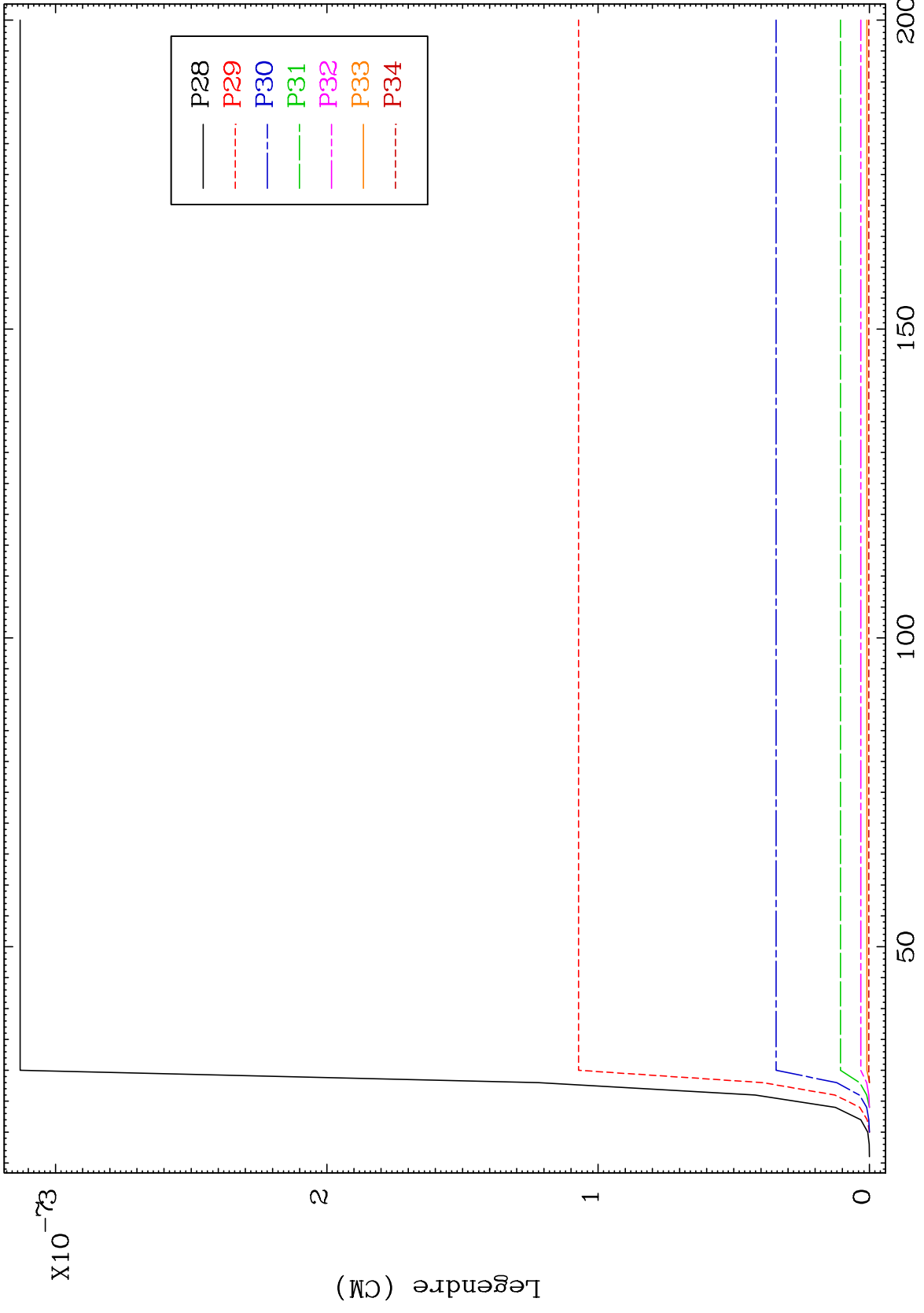
MAT 4034

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

40-Zr-93

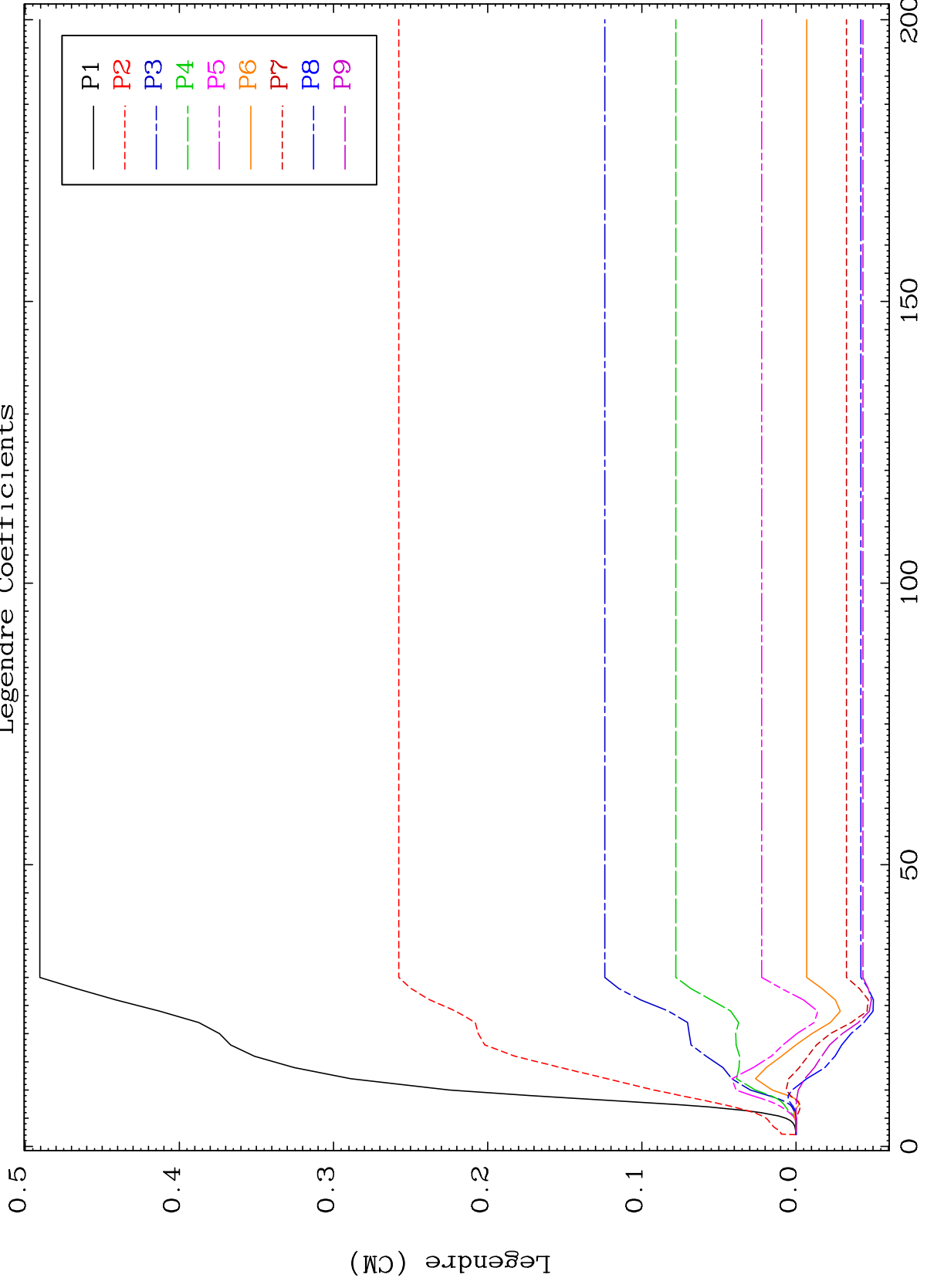


MAT 4034 MT= 66 (n,n') Level Legendre Coefficients 40-Zr-93



83 40-Zr-93

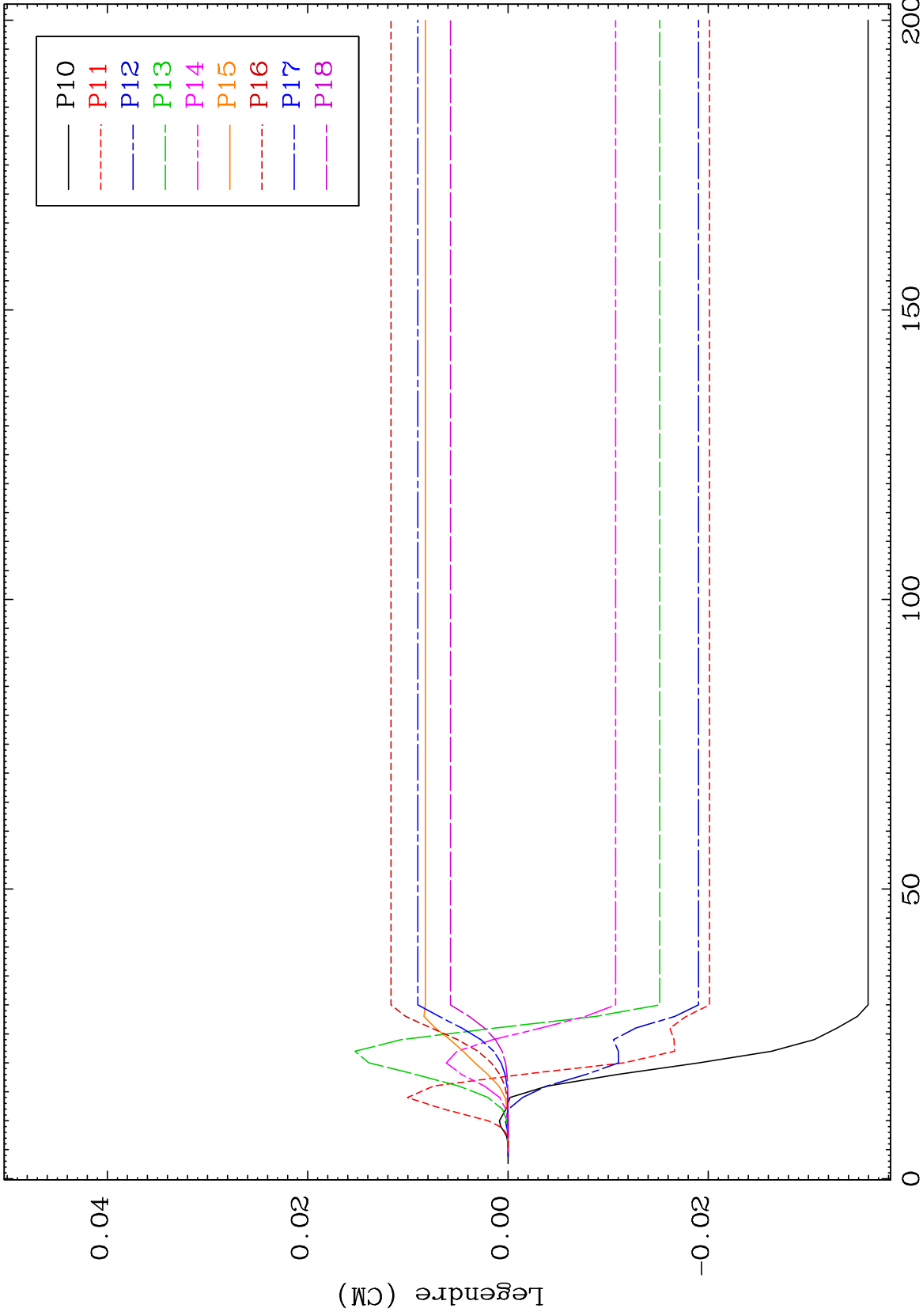
MAT 4034 MT= 67 (n,n') Level Legendre Coefficients 40-Zr-93



MAT 4034

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

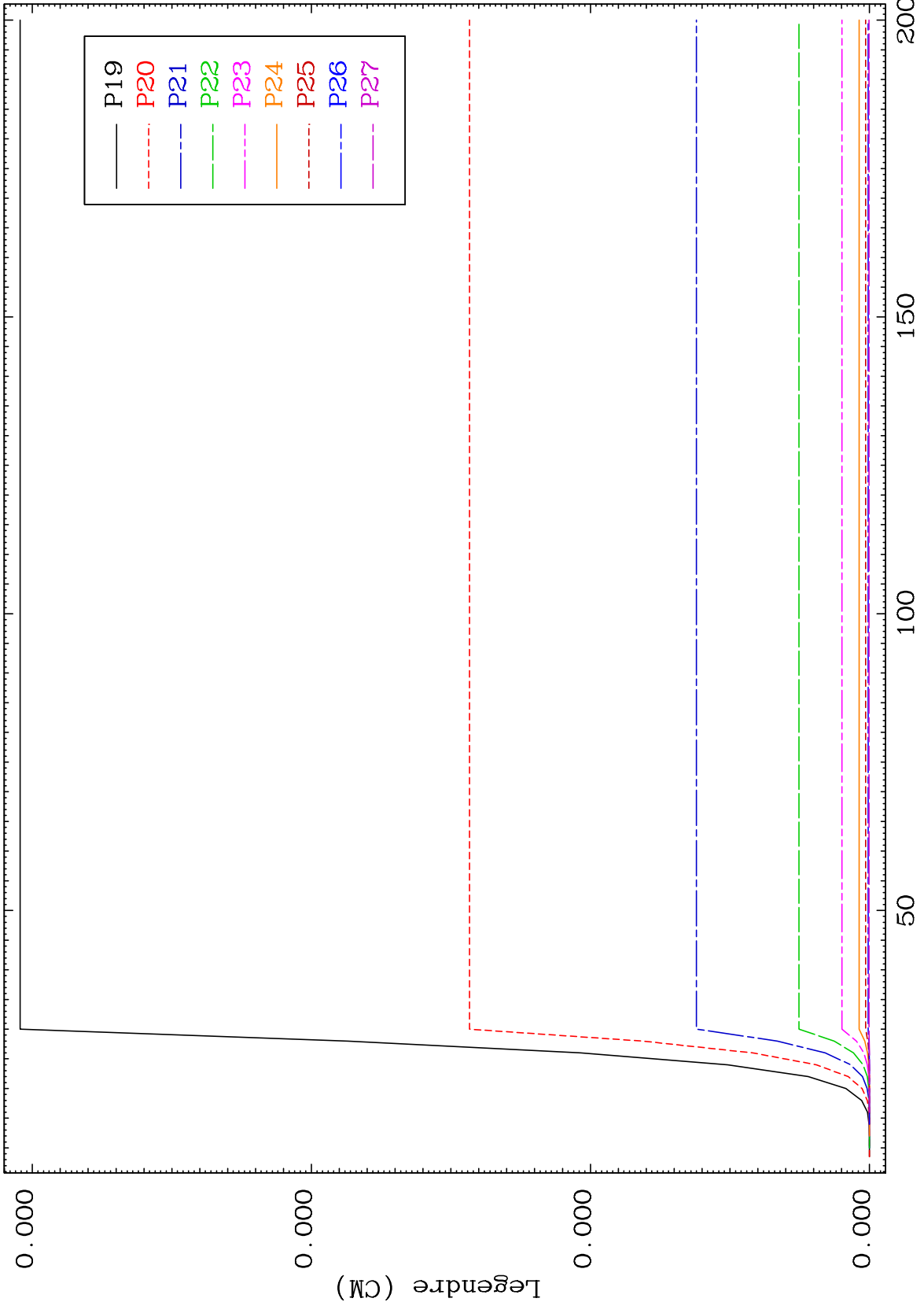
40-Zr-93



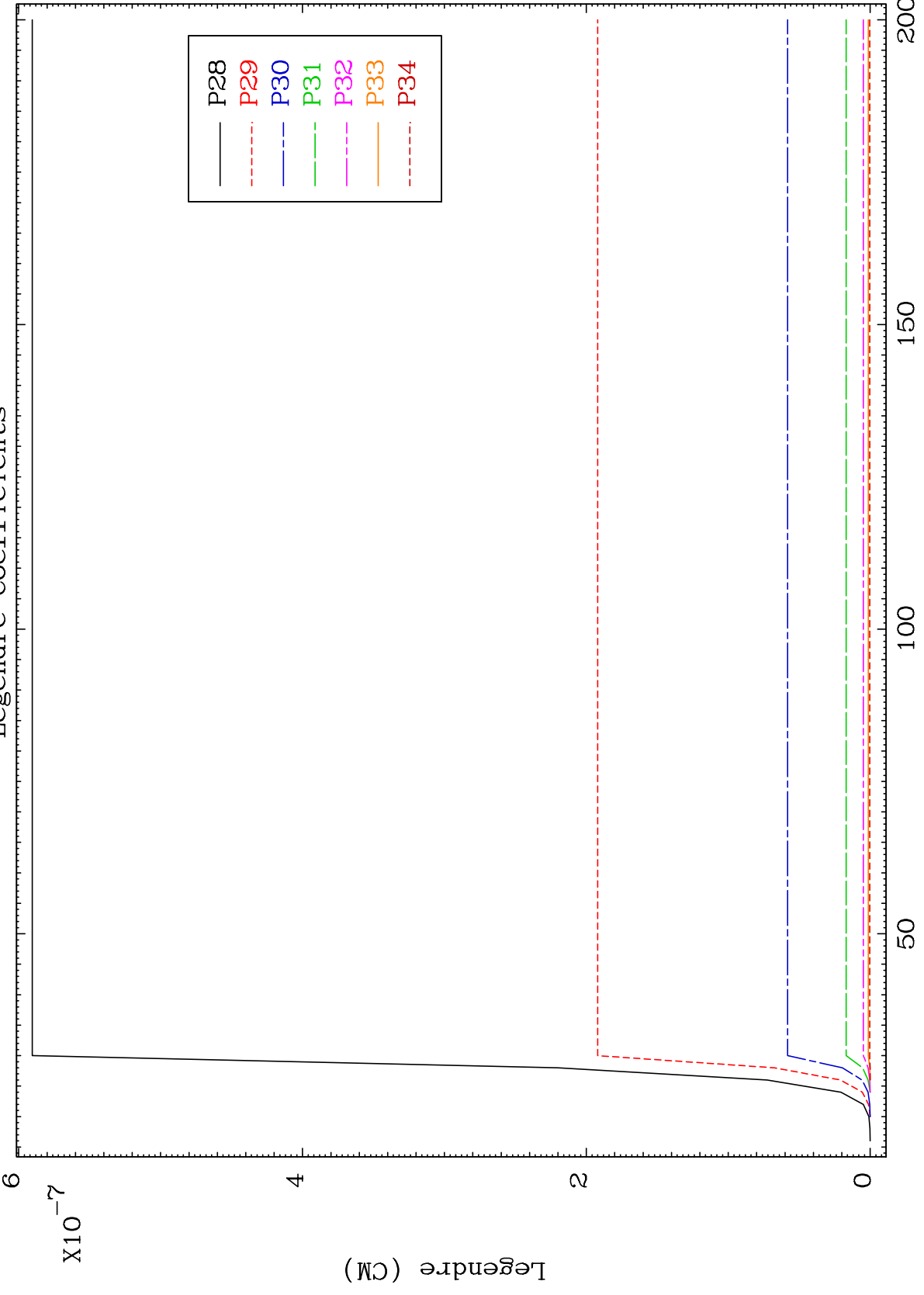
85

Incident Energy (MeV)

40-Zr-93

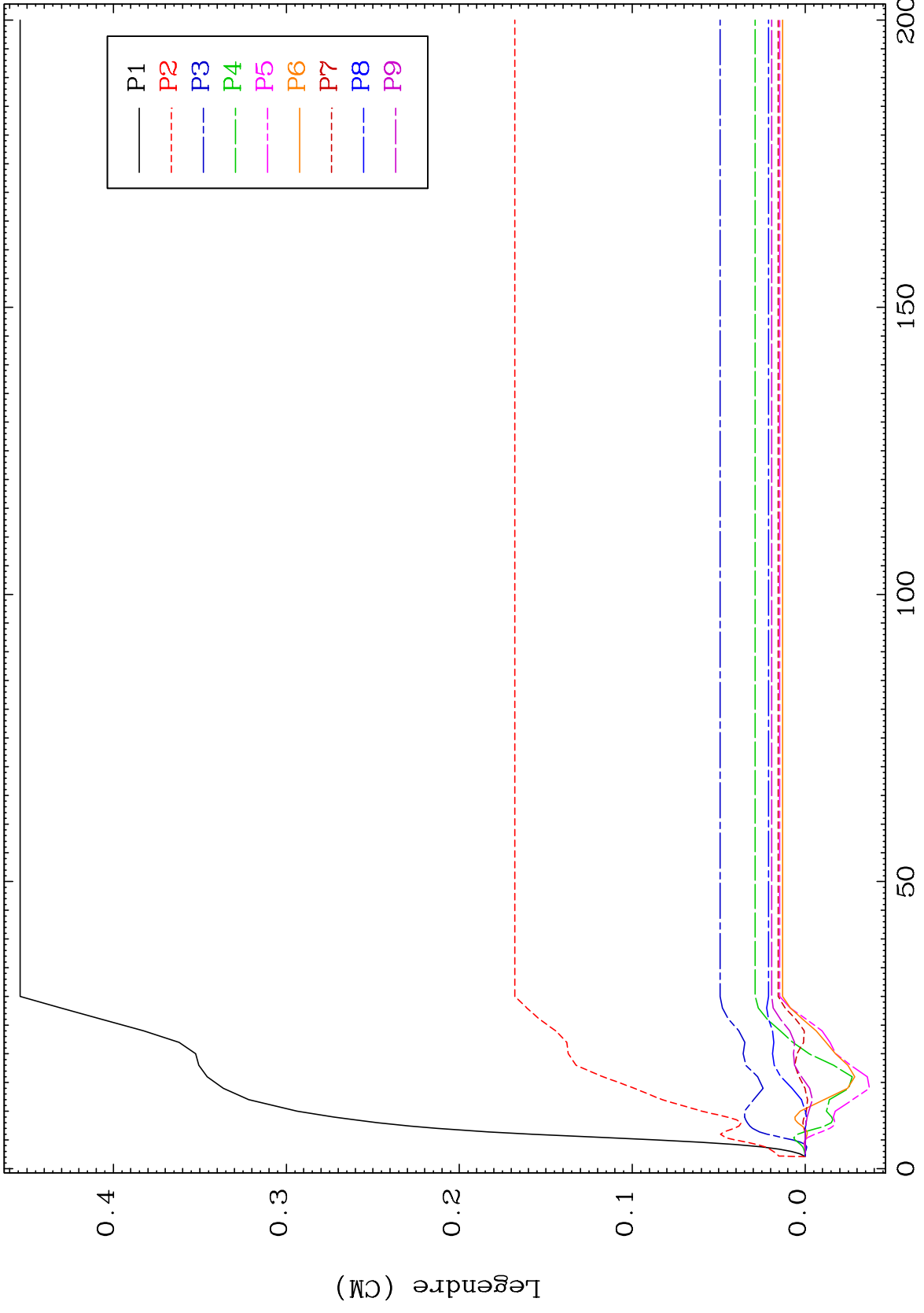


MAT 4034 MT= 67 (n,n') Level Legendre Coefficients 40-Zr-93





MAT 4034 MT= 68 (n,n') Level Legendre Coefficients 40-Zr-93

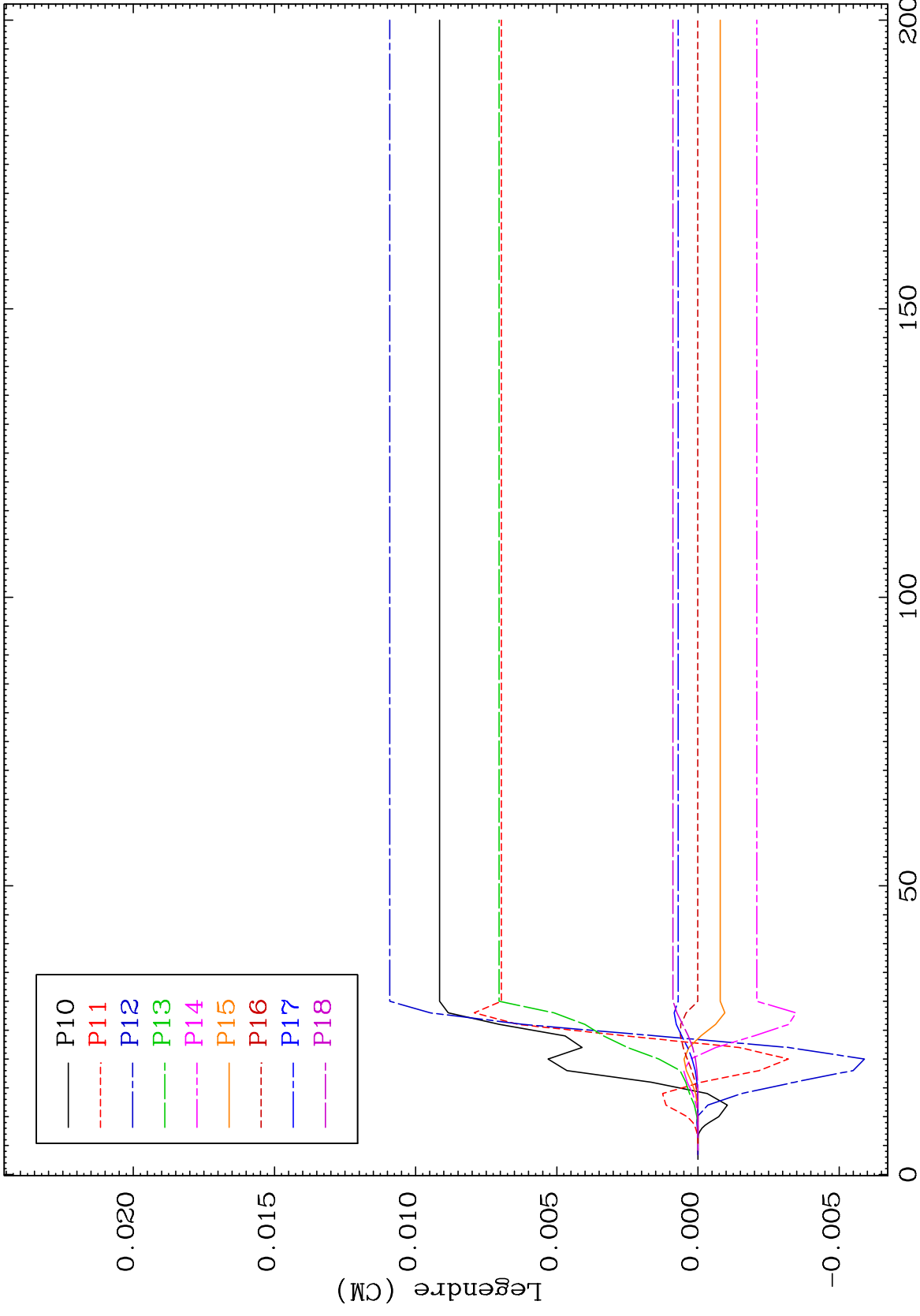


88 40-Zr-93

MAT 4034

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

40-Zr-93



89

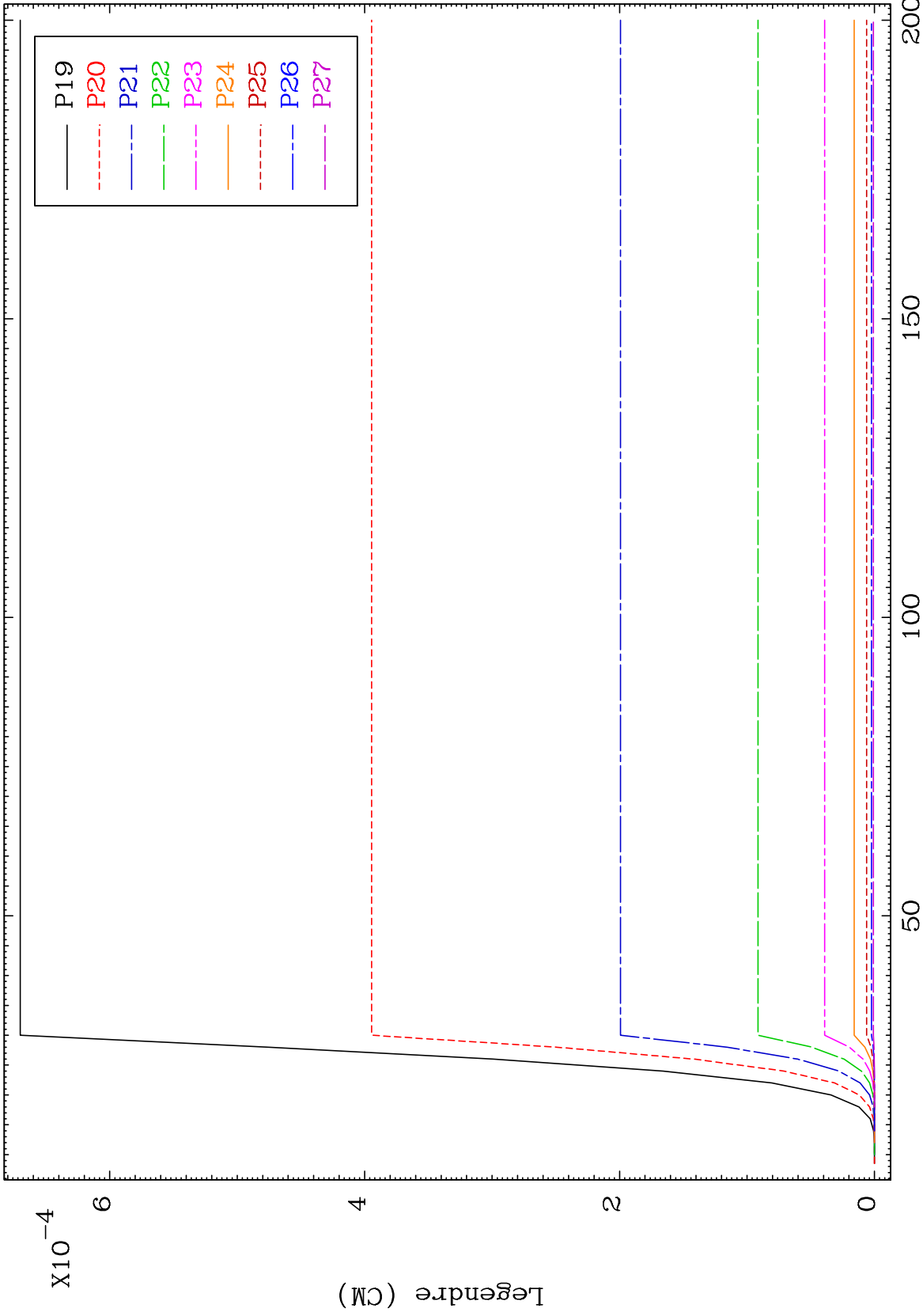
Incident Energy (MeV)

40-Zr-93

MAT 4034

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

40-Zr-93



90

Incident Energy (MeV)

40-Zr-93

200

50

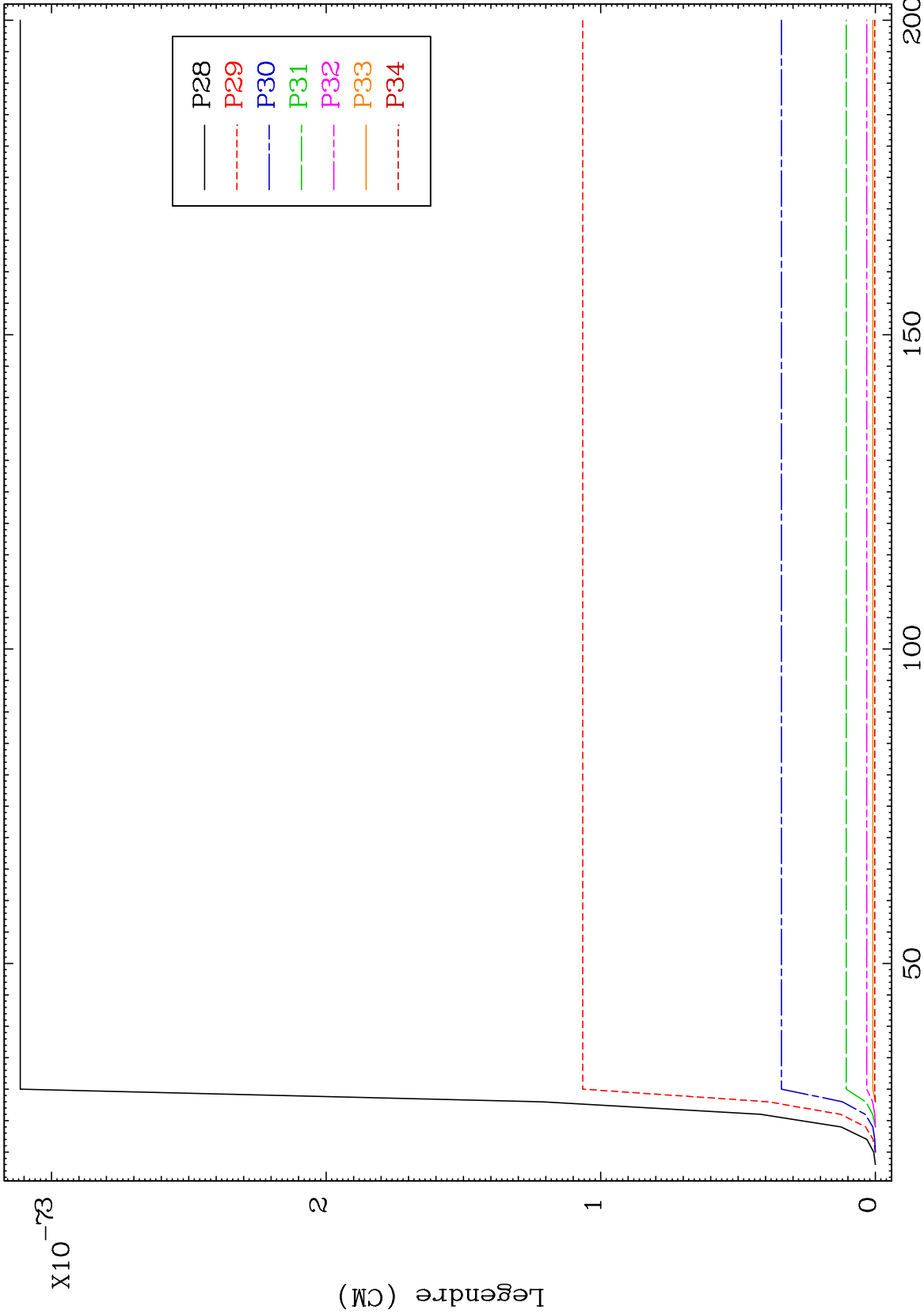
100

150

MAT 4034

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

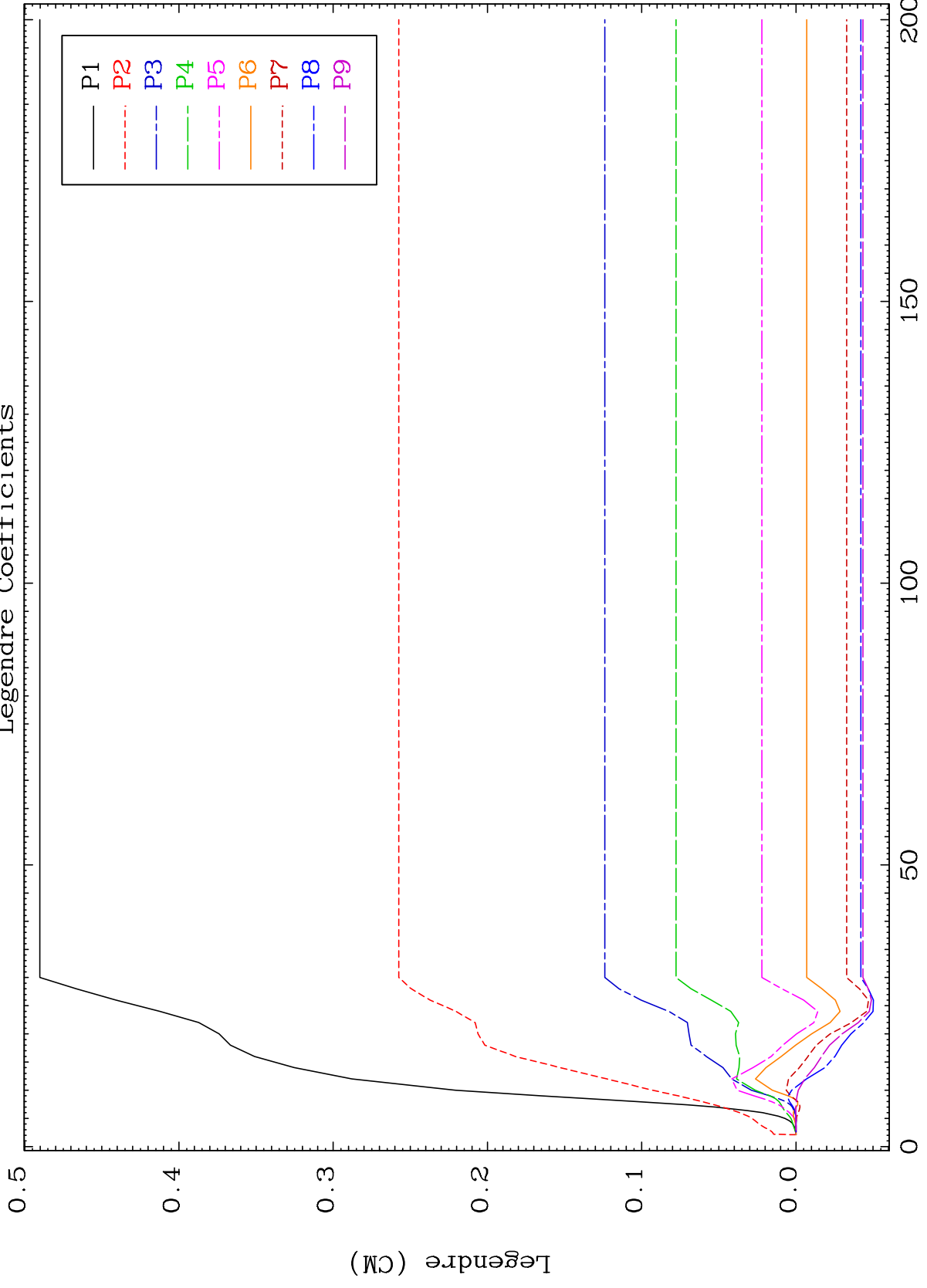
40-Zr-93



91

40-Zr-93

MAT 4034 MT= 69 (n,n') Level Legendre Coefficients 40-Zr-93

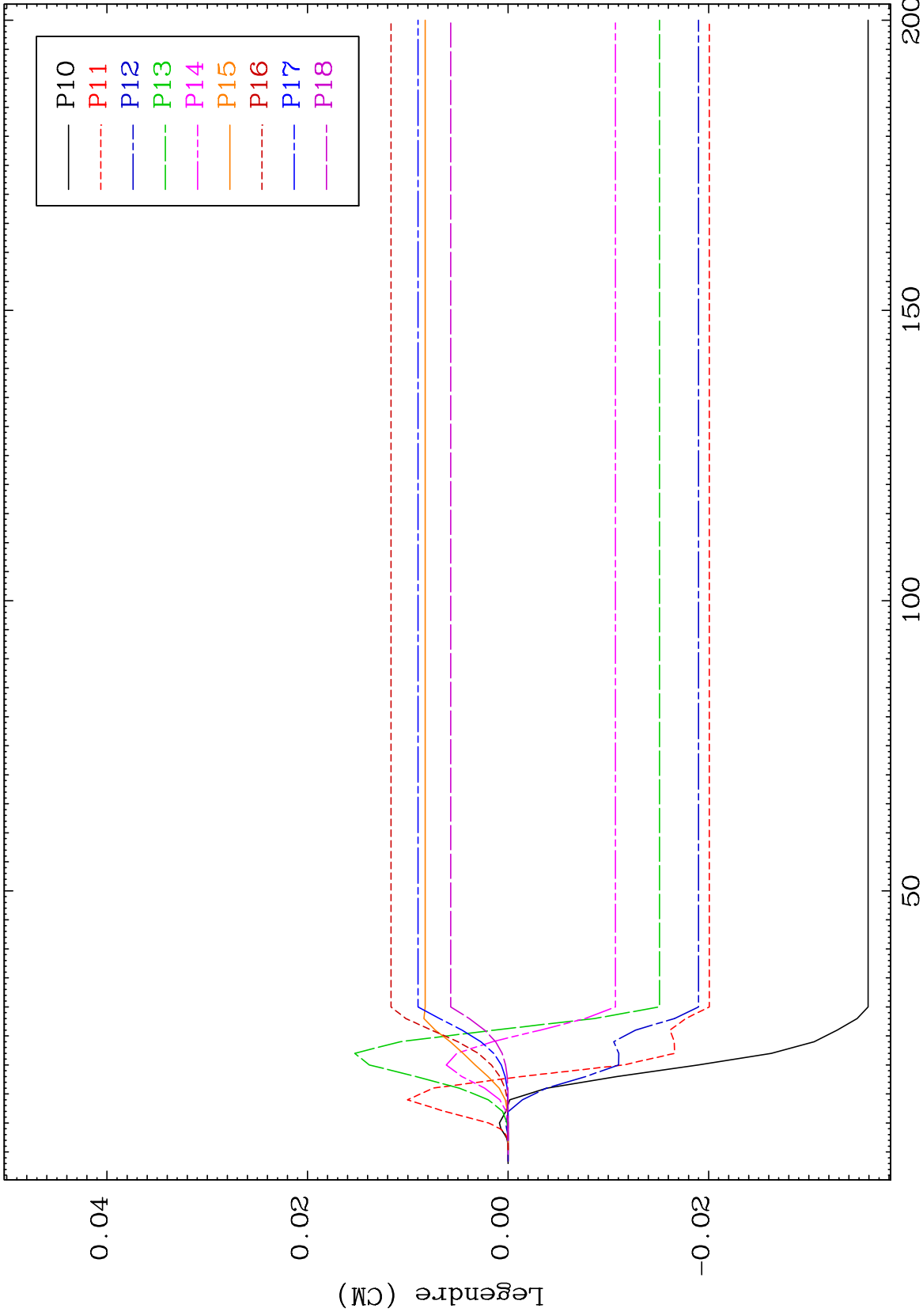


92 40-Zr-93

MAT 4034

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

40-Zr-93

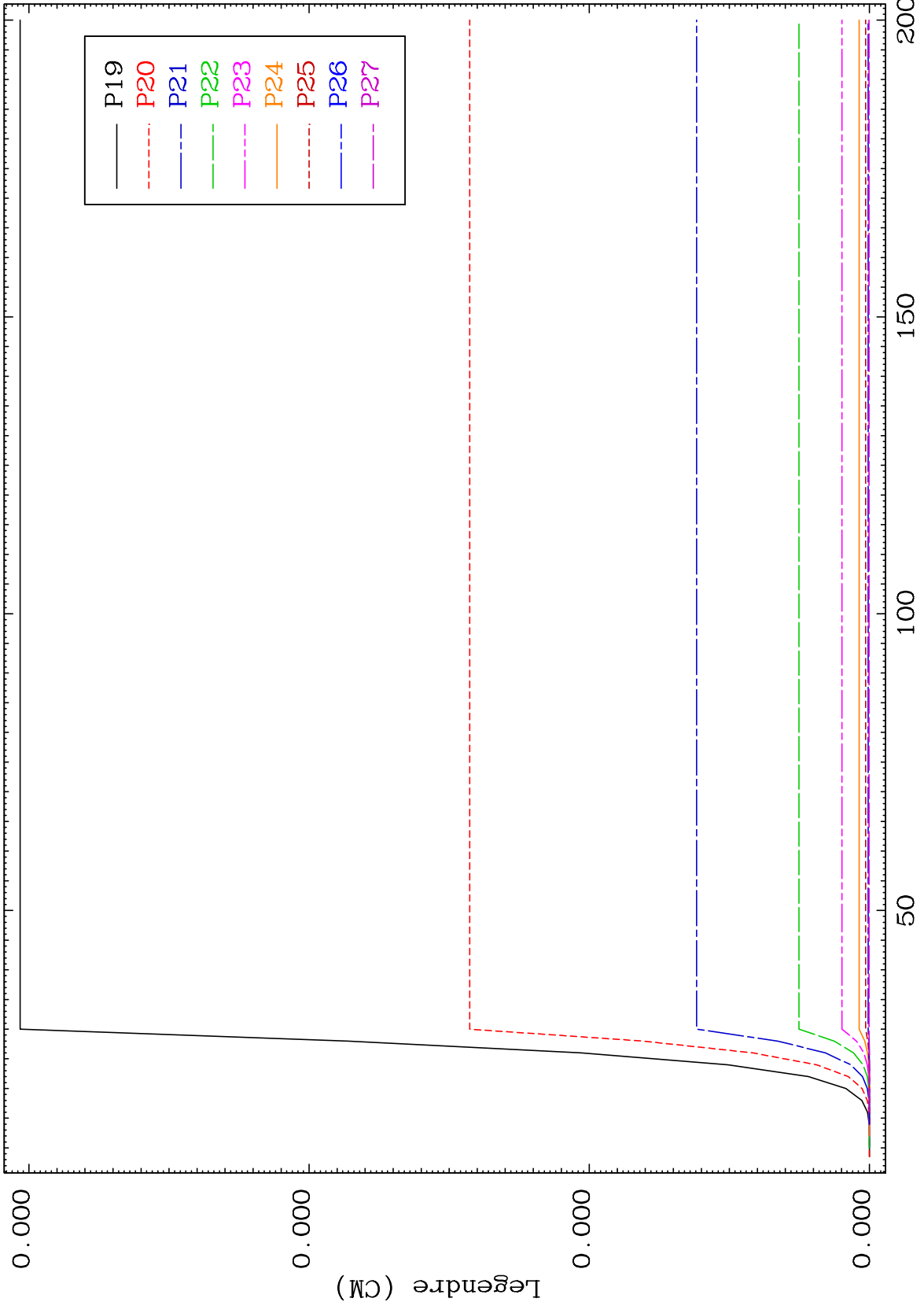


93

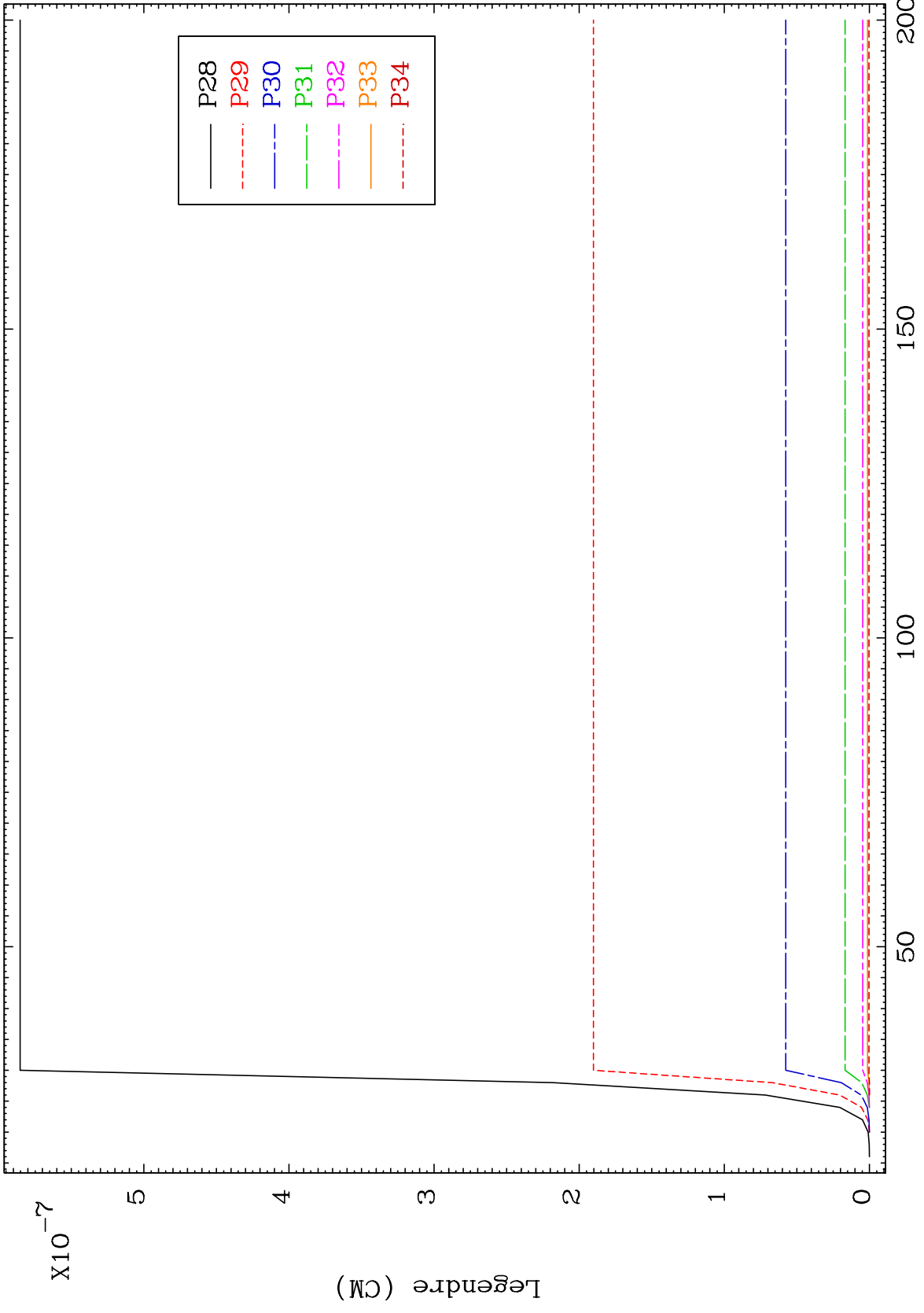
Incident Energy (MeV)

40-Zr-93

MAT 4034 MT= 69 (n,n') Level Legendre Coefficients 40-Zr-93



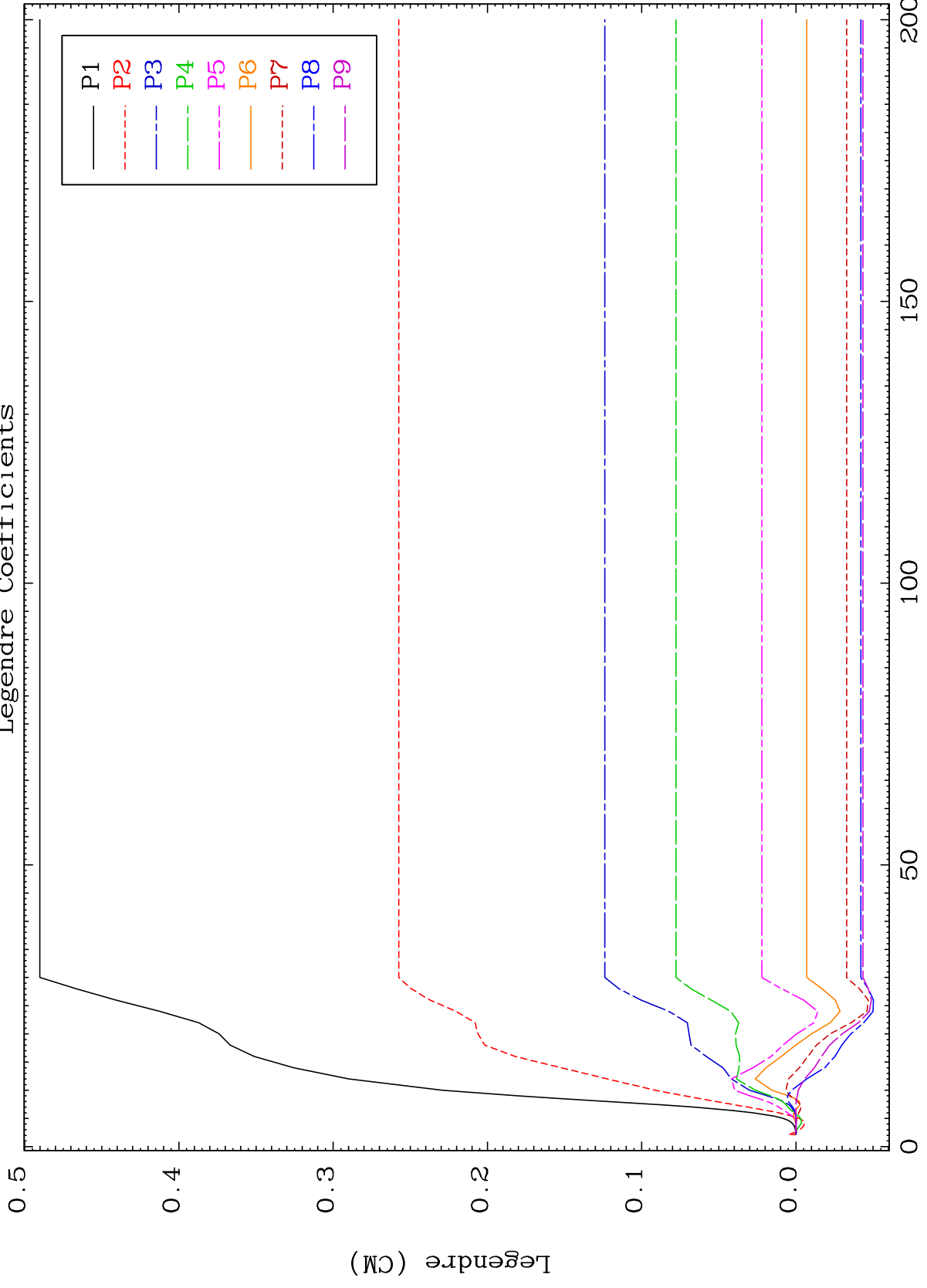
MAT 4034 MT= 69 (n,n') Level Legendre Coefficients 40-Zr-93



95 50 100 150 200 40-Zr-93



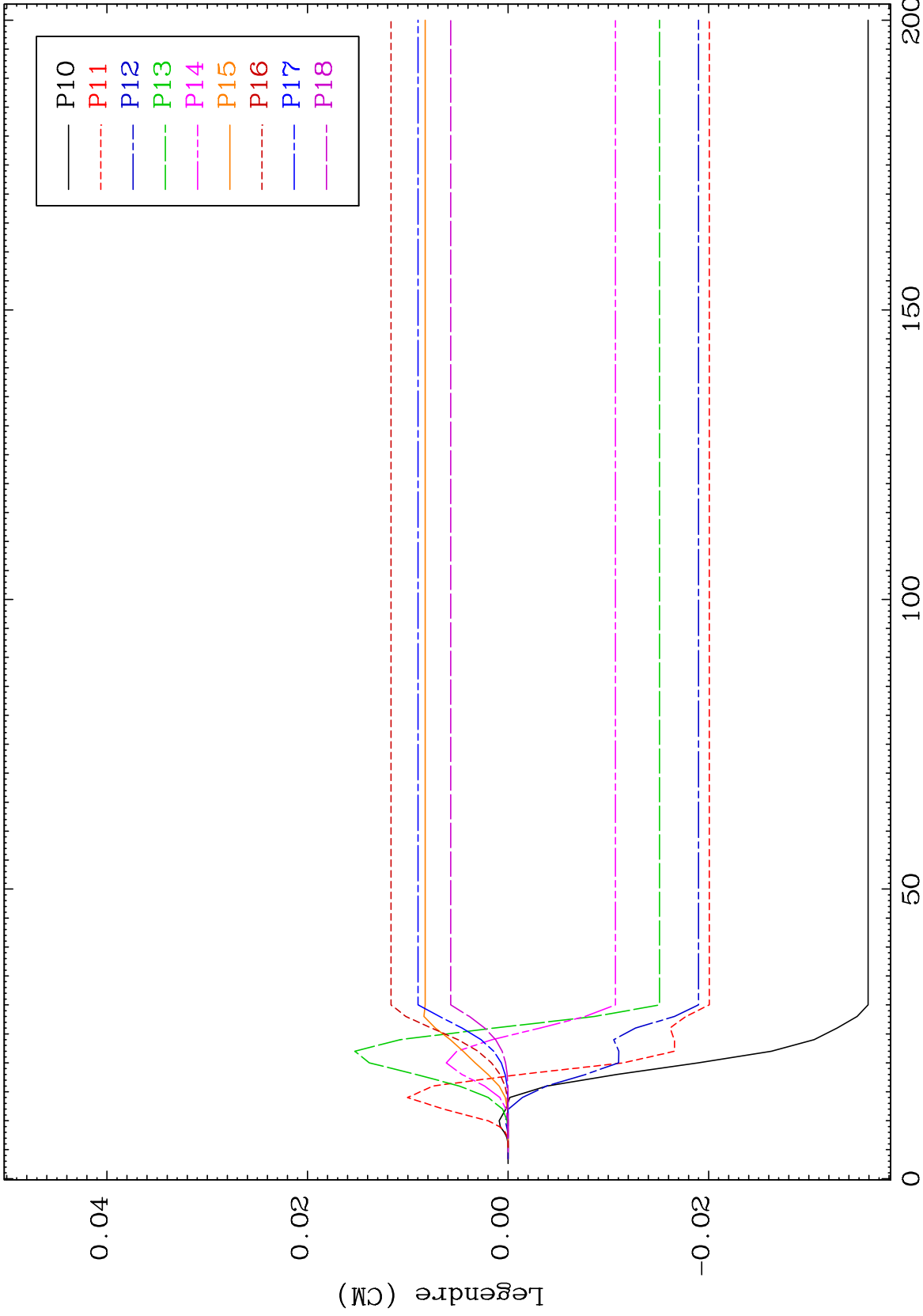
MAT 4034 MT= 70 (n,n') Level Legendre Coefficients 40-Zr-93



MAT 4034

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

40-Zr-93

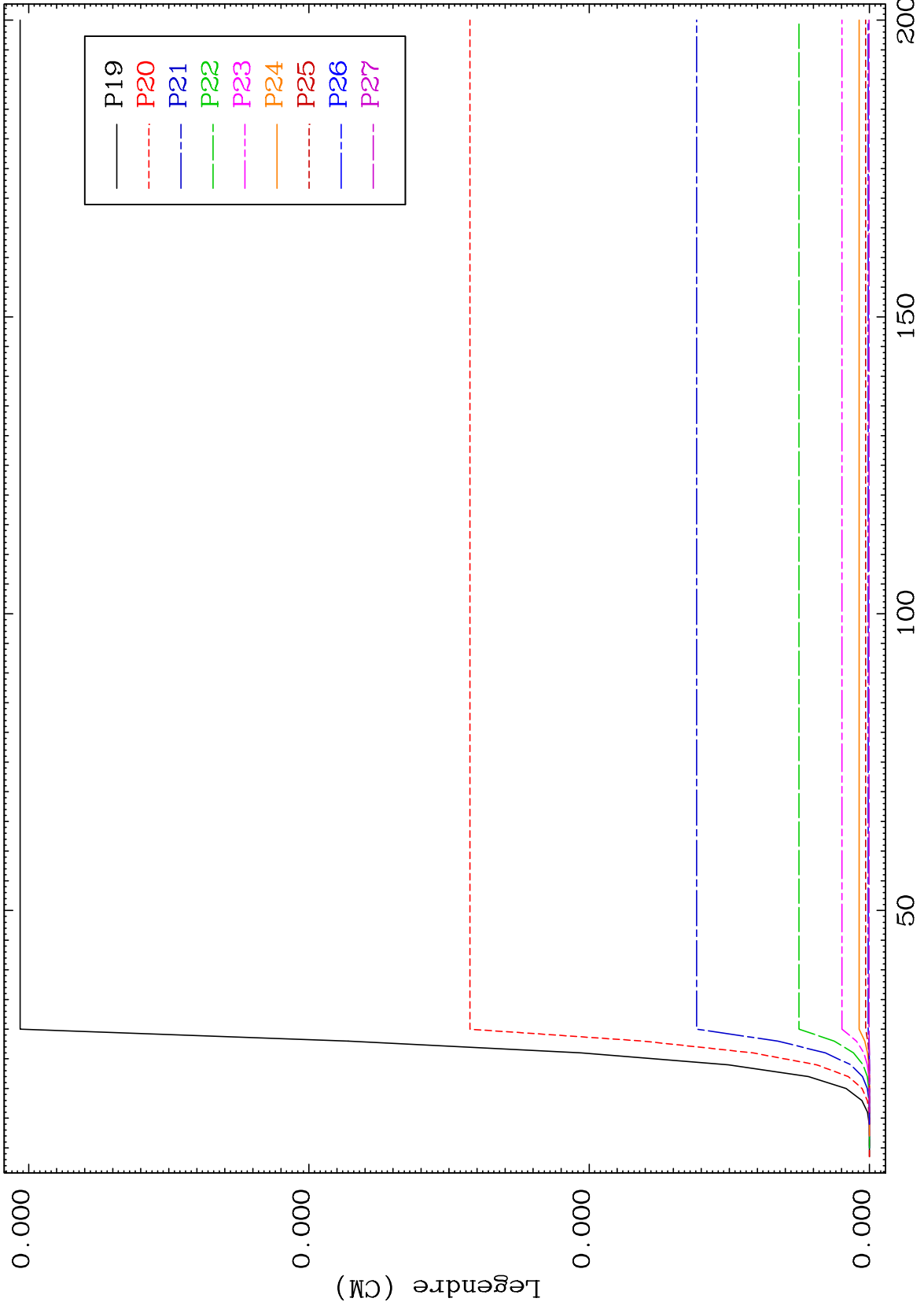


97

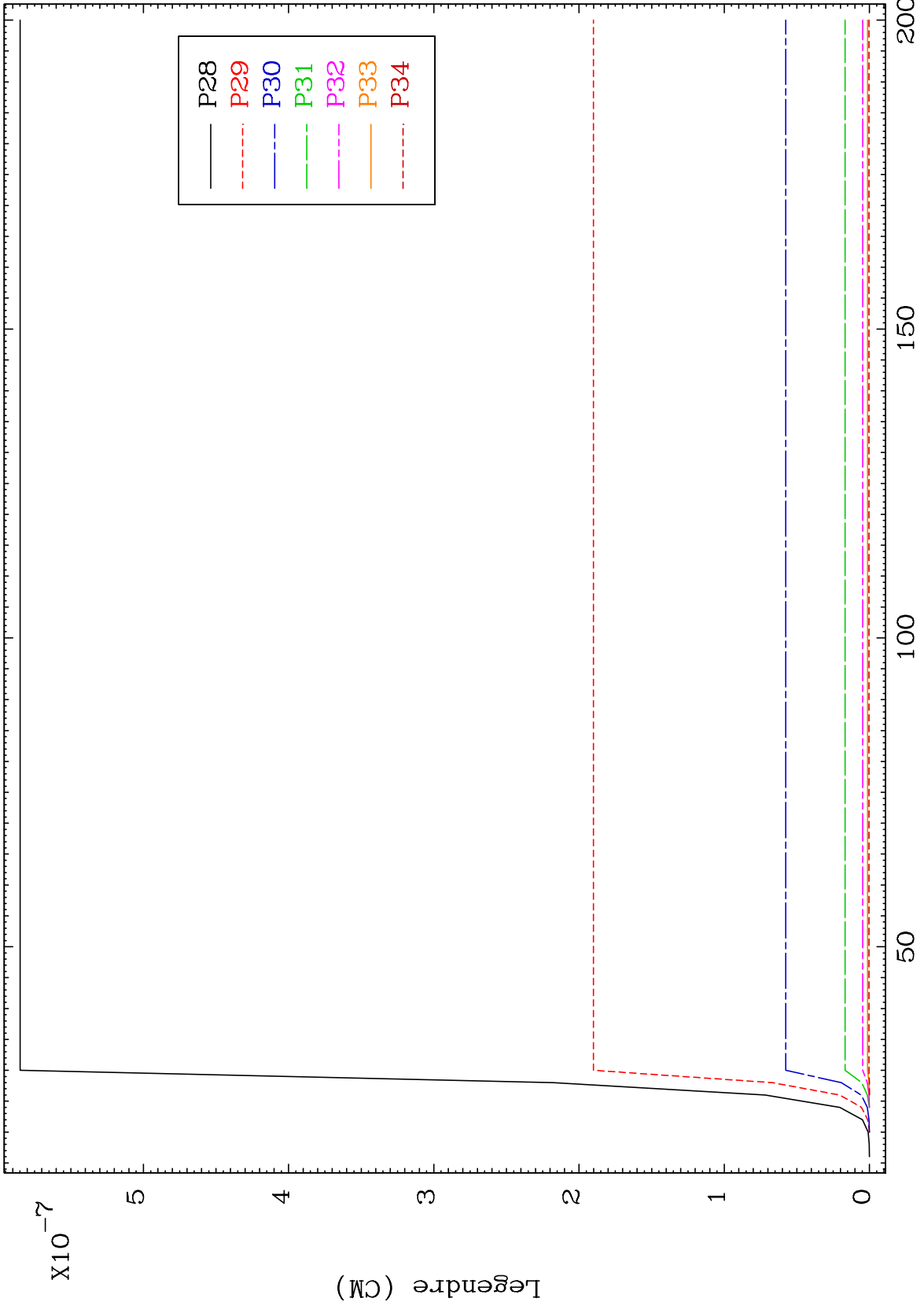
Incident Energy (MeV)

40-Zr-93

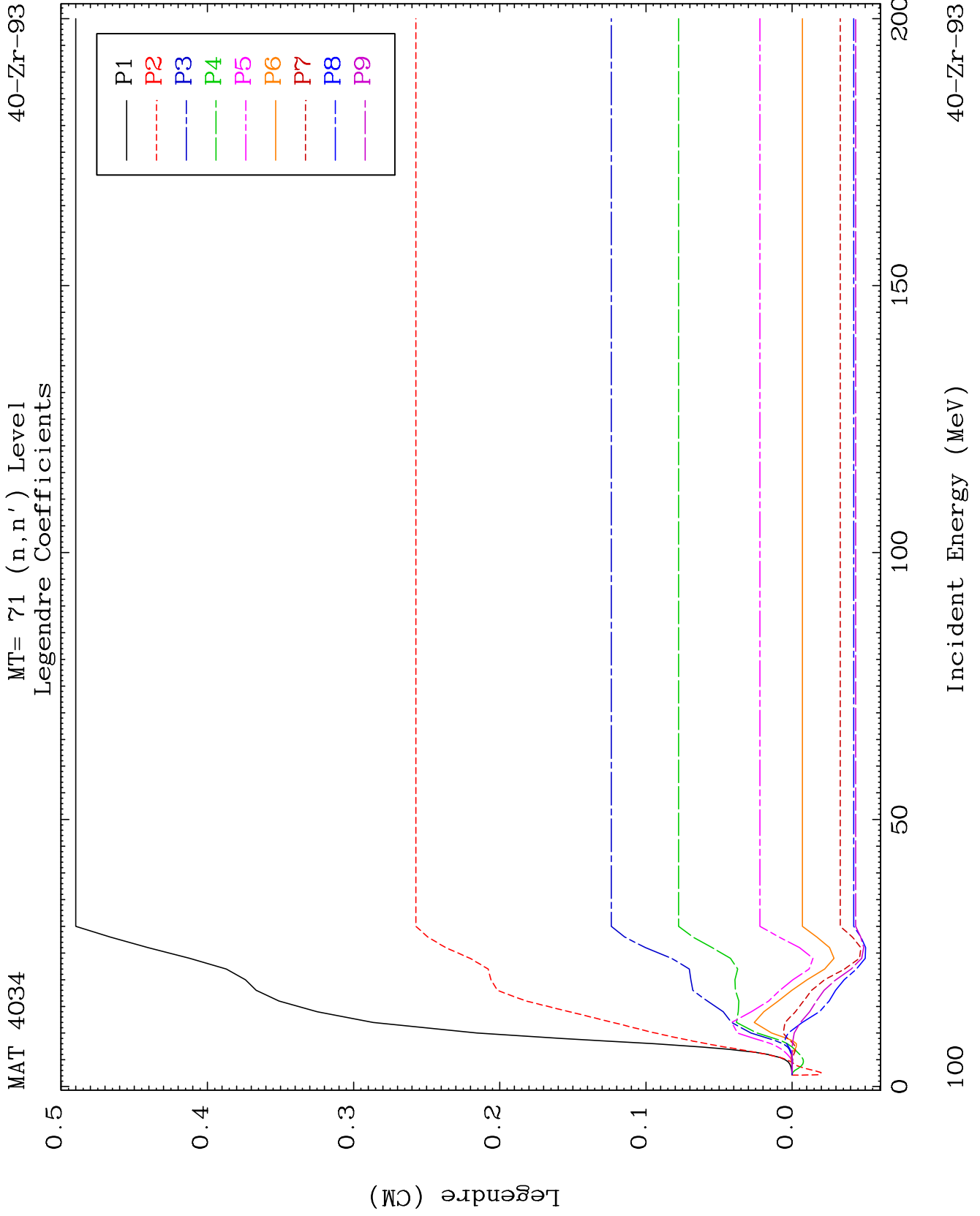
MAT 4034 MT= 70 (n,n') Level Legendre Coefficients 40-Zr-93



MAT 4034 MT= 70 (n,n') Level Legendre Coefficients 40-Zr-93



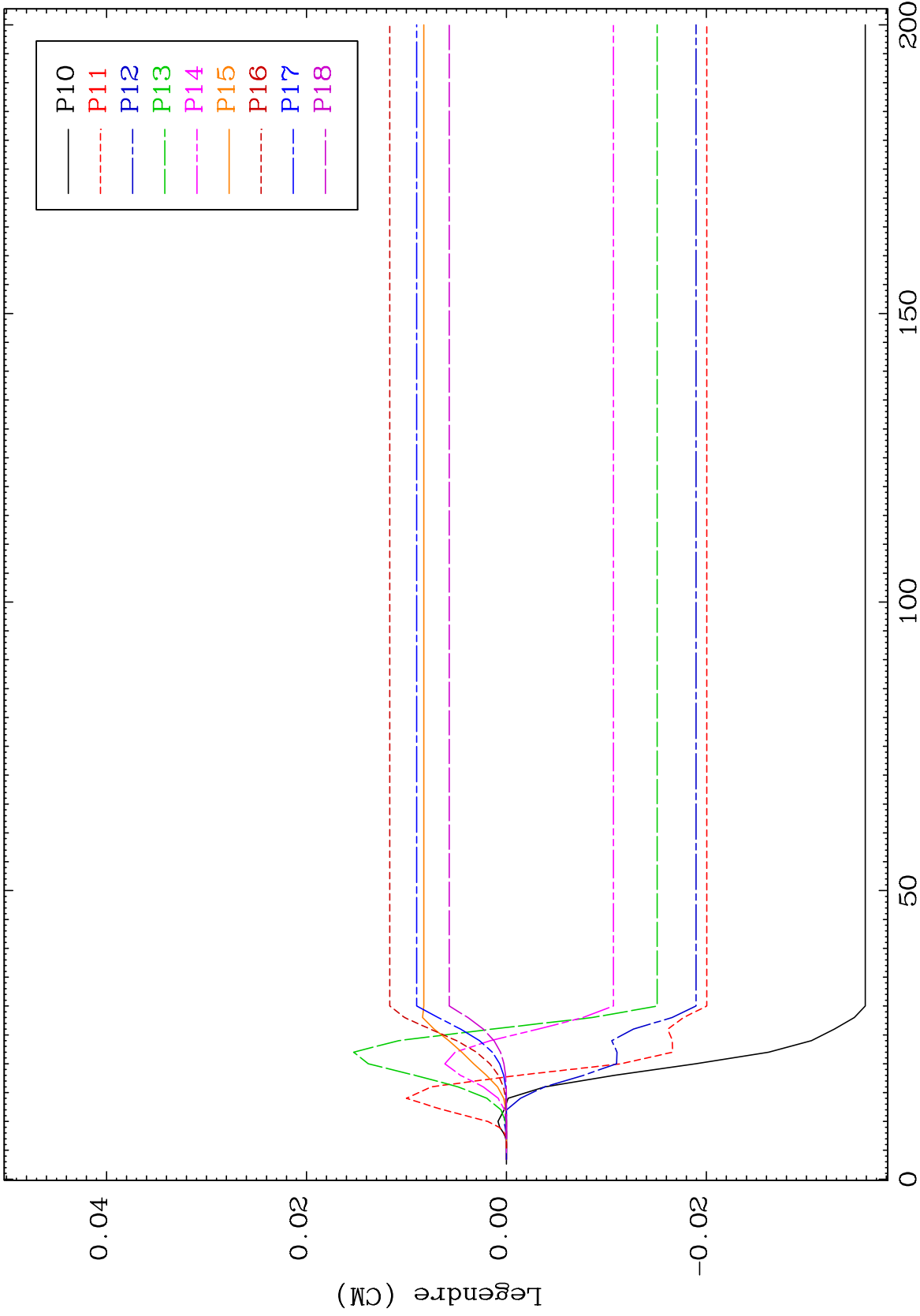
99 40-Zr-93



MAT 4034

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

40-Zr-93

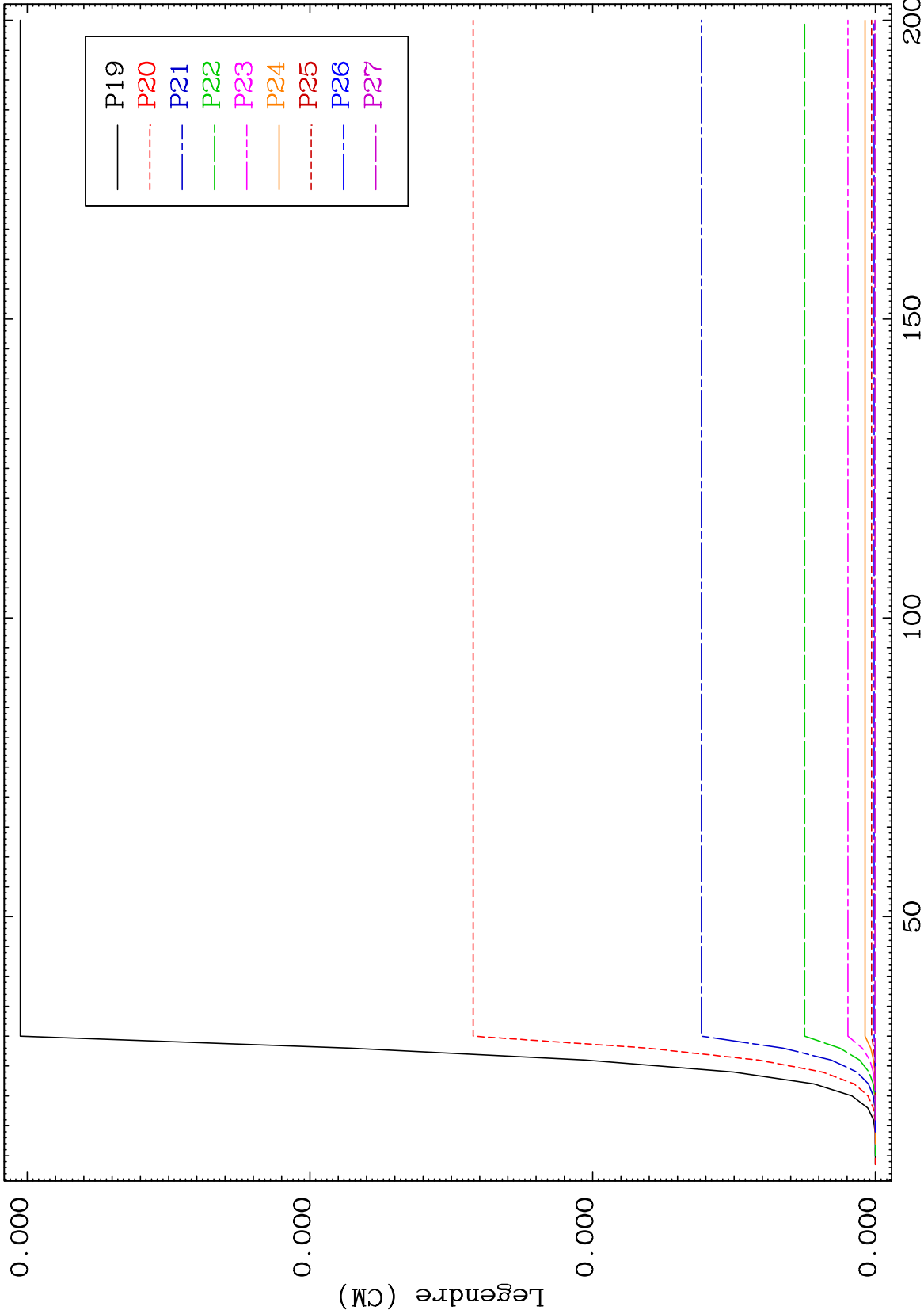


101

Incident Energy (MeV)

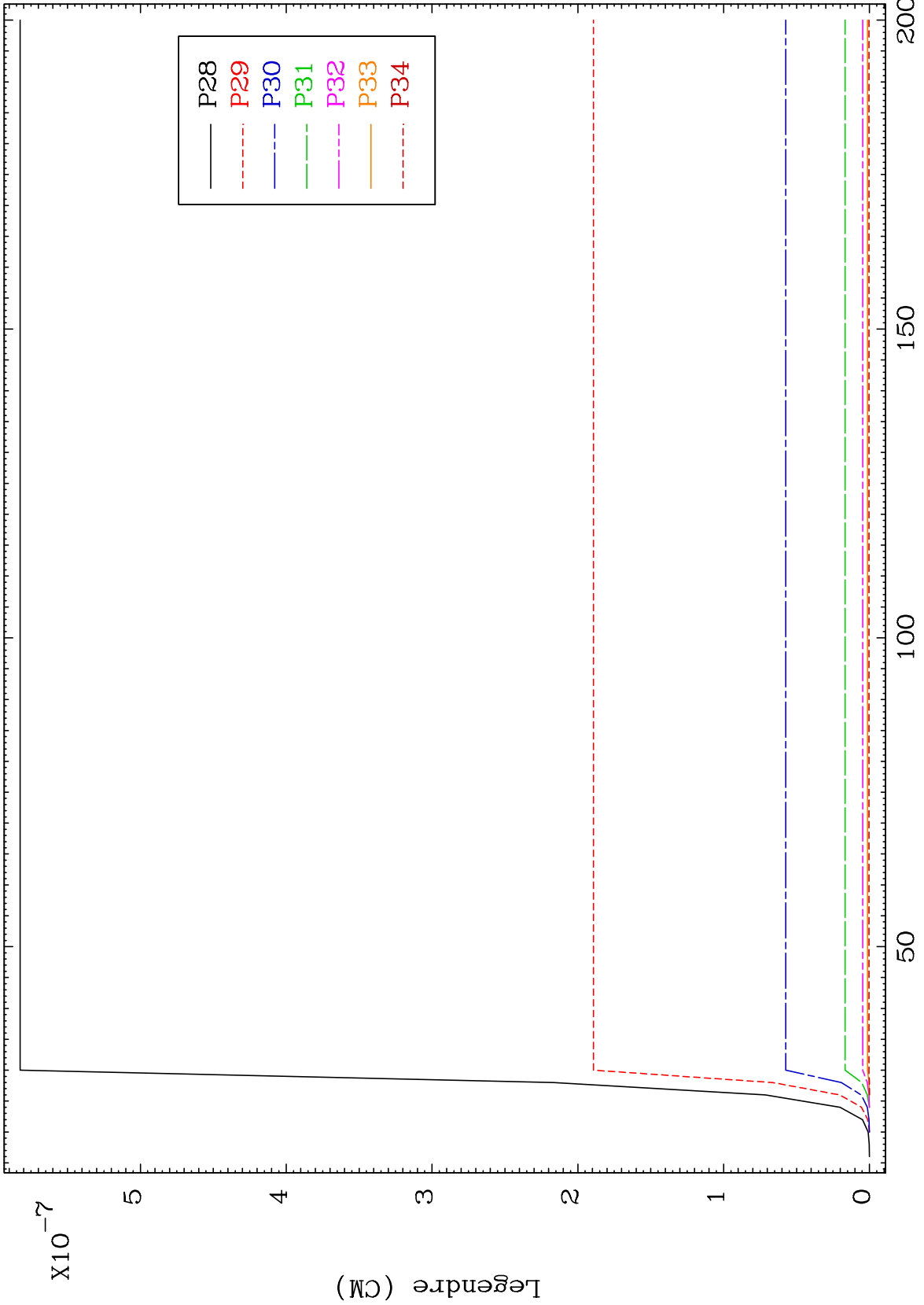
40-Zr-93

MAT 4034 MT= 71 (n,n') Level Legendre Coefficients 40-Zr-93



102 40-Zr-93

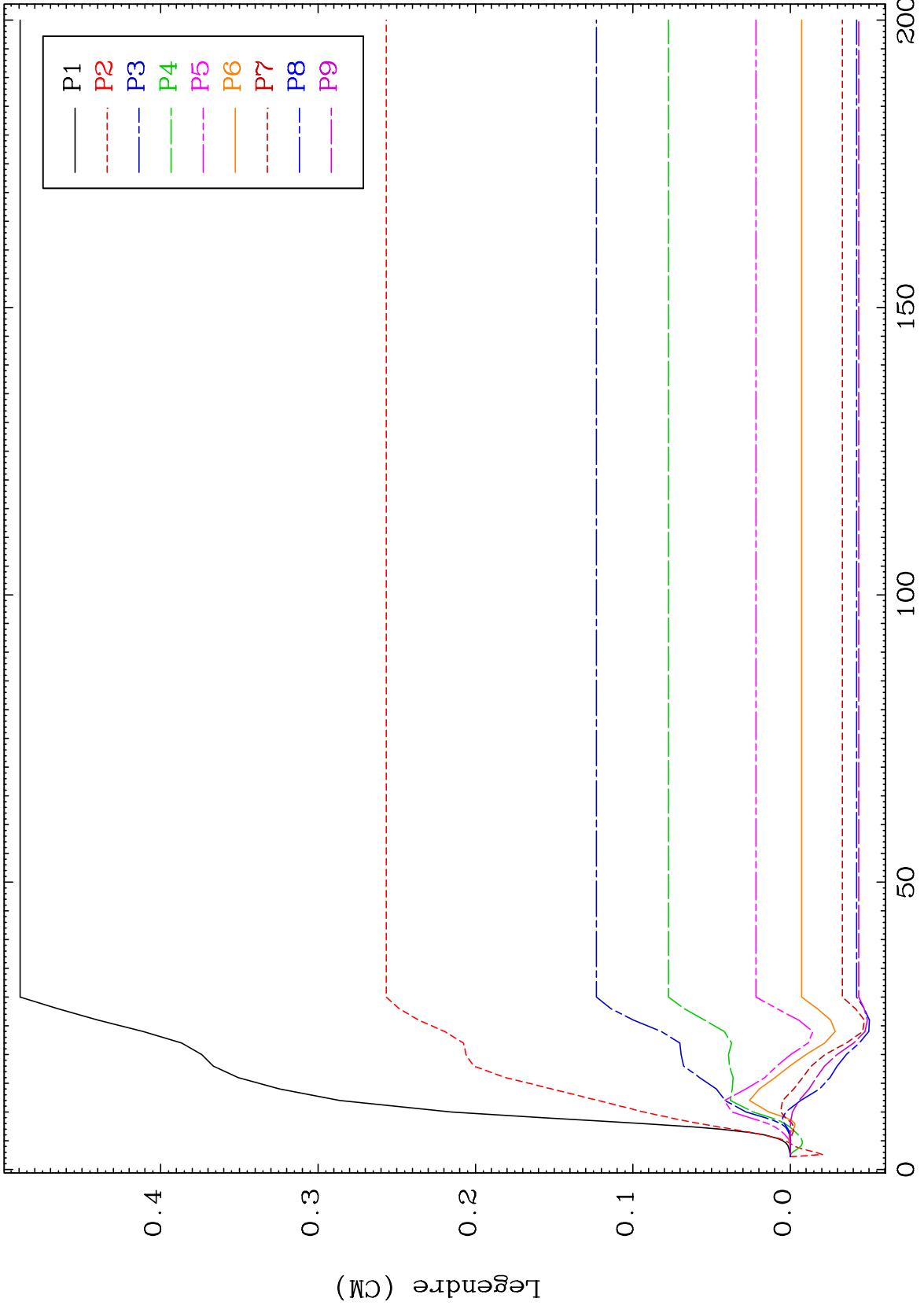
MAT 4034 MT= 71 (n,n') Level Legendre Coefficients 40-Zr-93



103 50 100 150 200 40-Zr-93



MAT 4034 MT= 72 (n,n') Level Legendre Coefficients 40-Zr-93

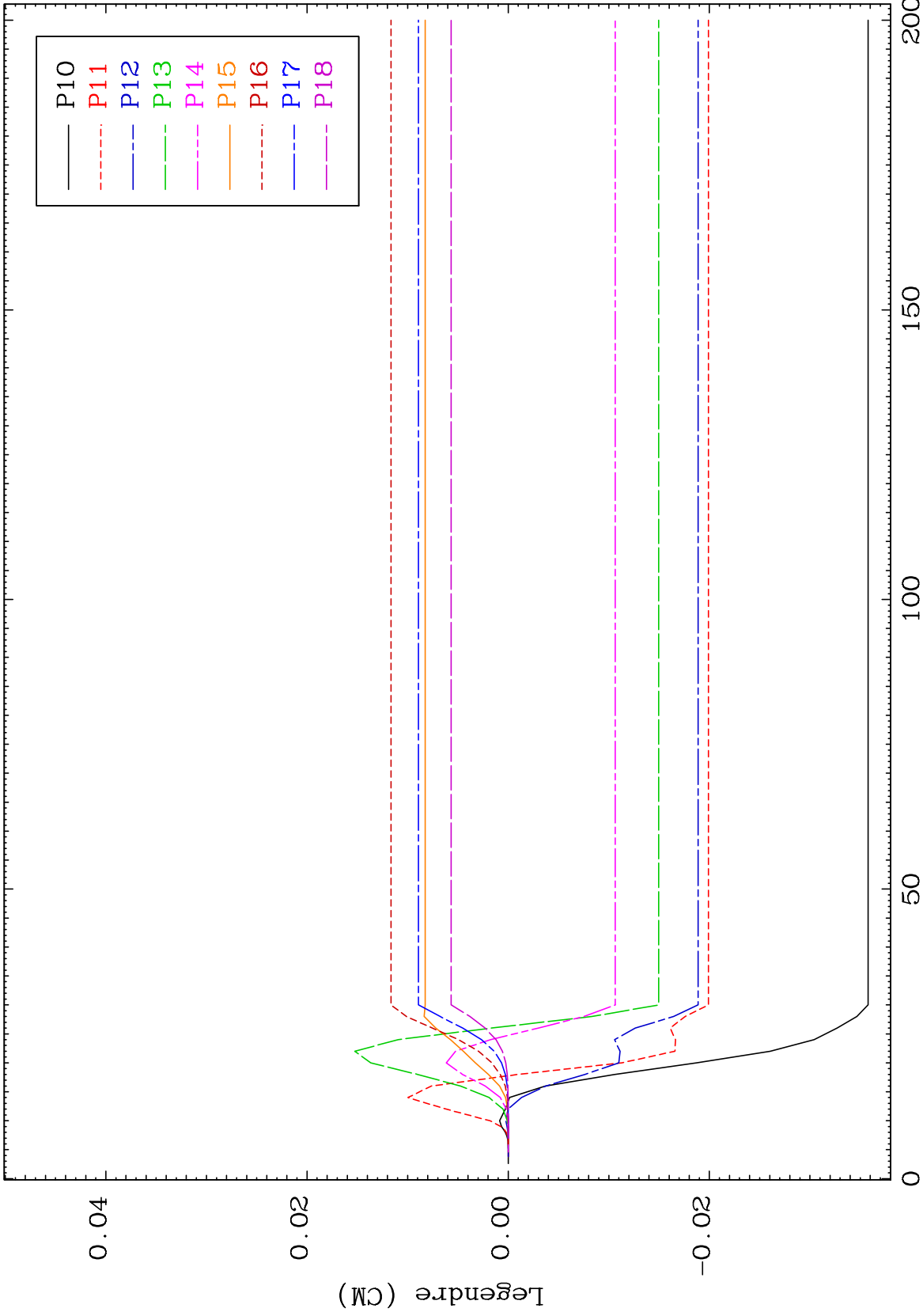


104 40-Zr-93

MAT 4034

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

40-Zr-93

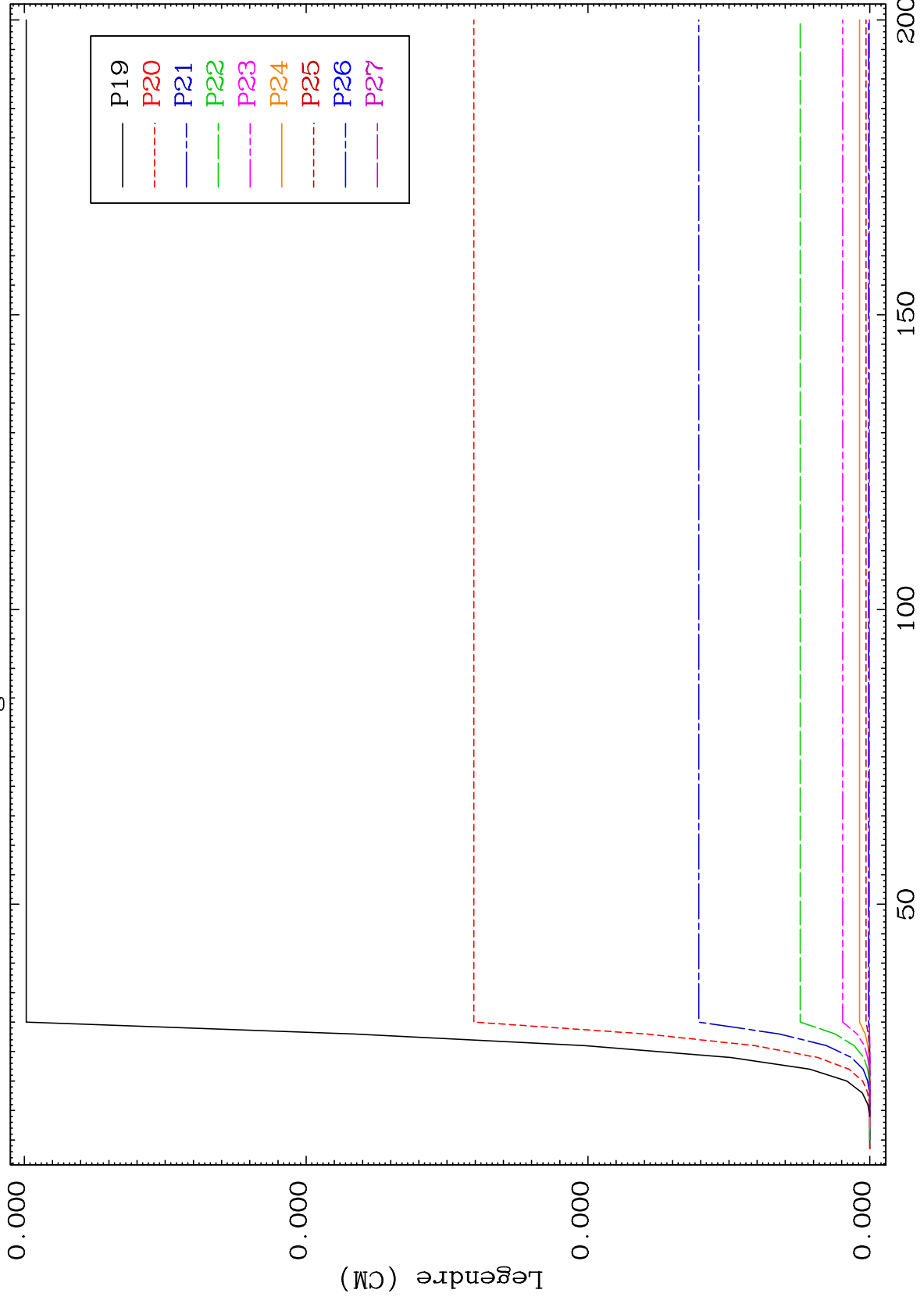


105

Incident Energy (MeV)

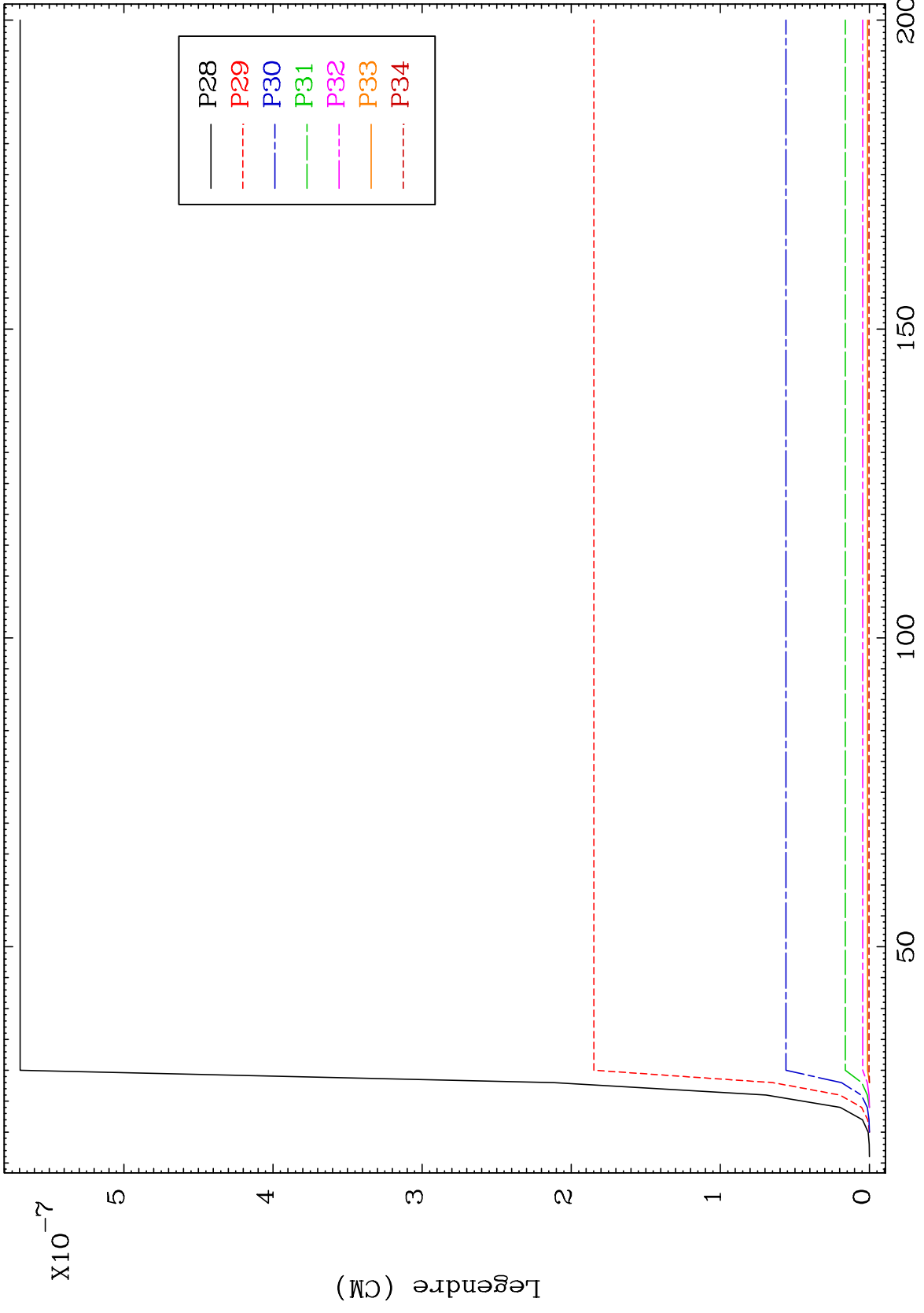
40-Zr-93

MAT 4034 MT= 72 (n,n') Level Legendre Coefficients 40-Zr-93



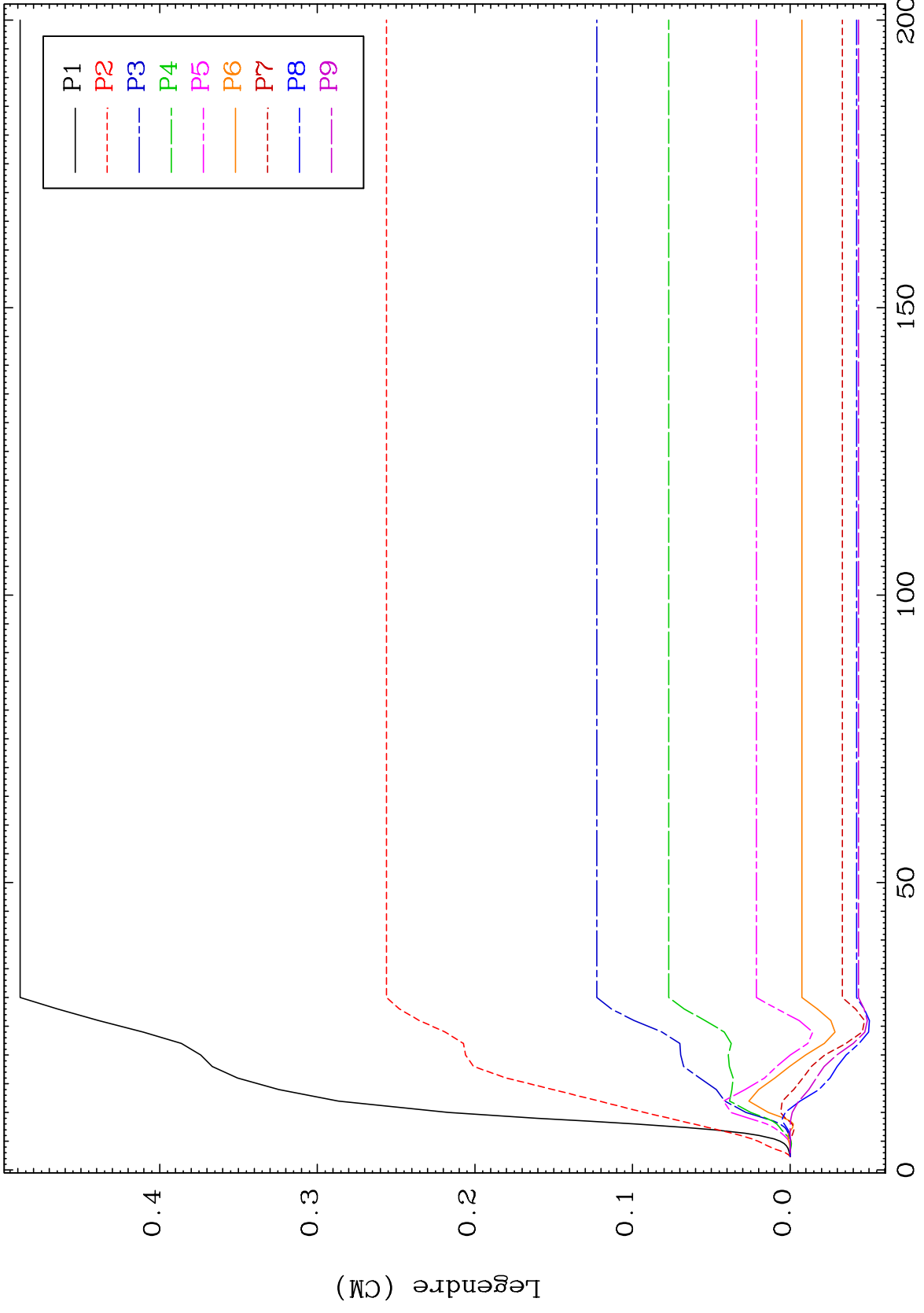
106 40-Zr-93

MAT 4034 MT= 72 (n,n') Level Legendre Coefficients 40-Zr-93



107 Incident Energy (MeV) 40-Zr-93

MAT 4034 MT= 73 (n,n') Level Legendre Coefficients 40-Zr-93

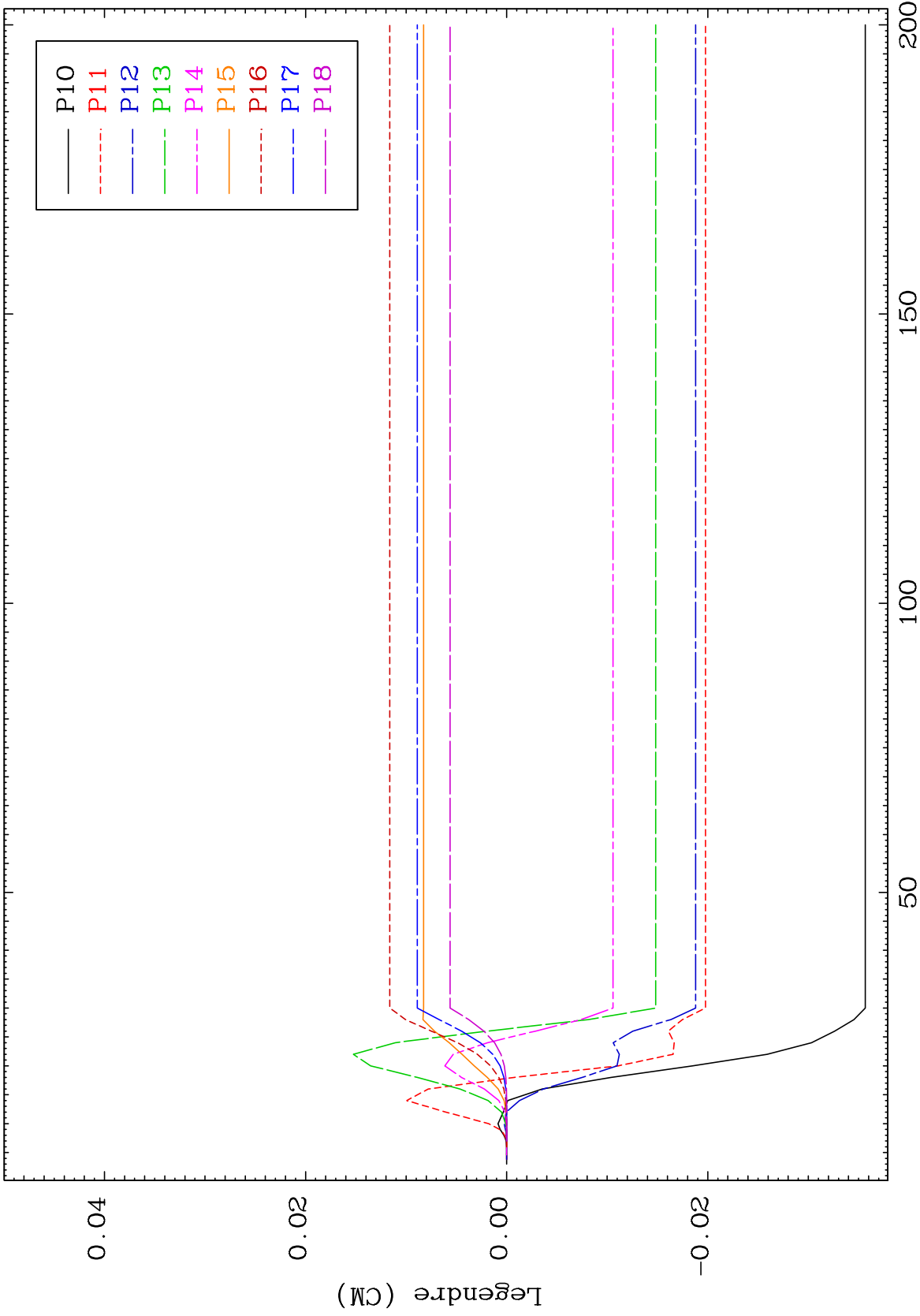


108 40-Zr-93

MAT 4034

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

40-Zr-93

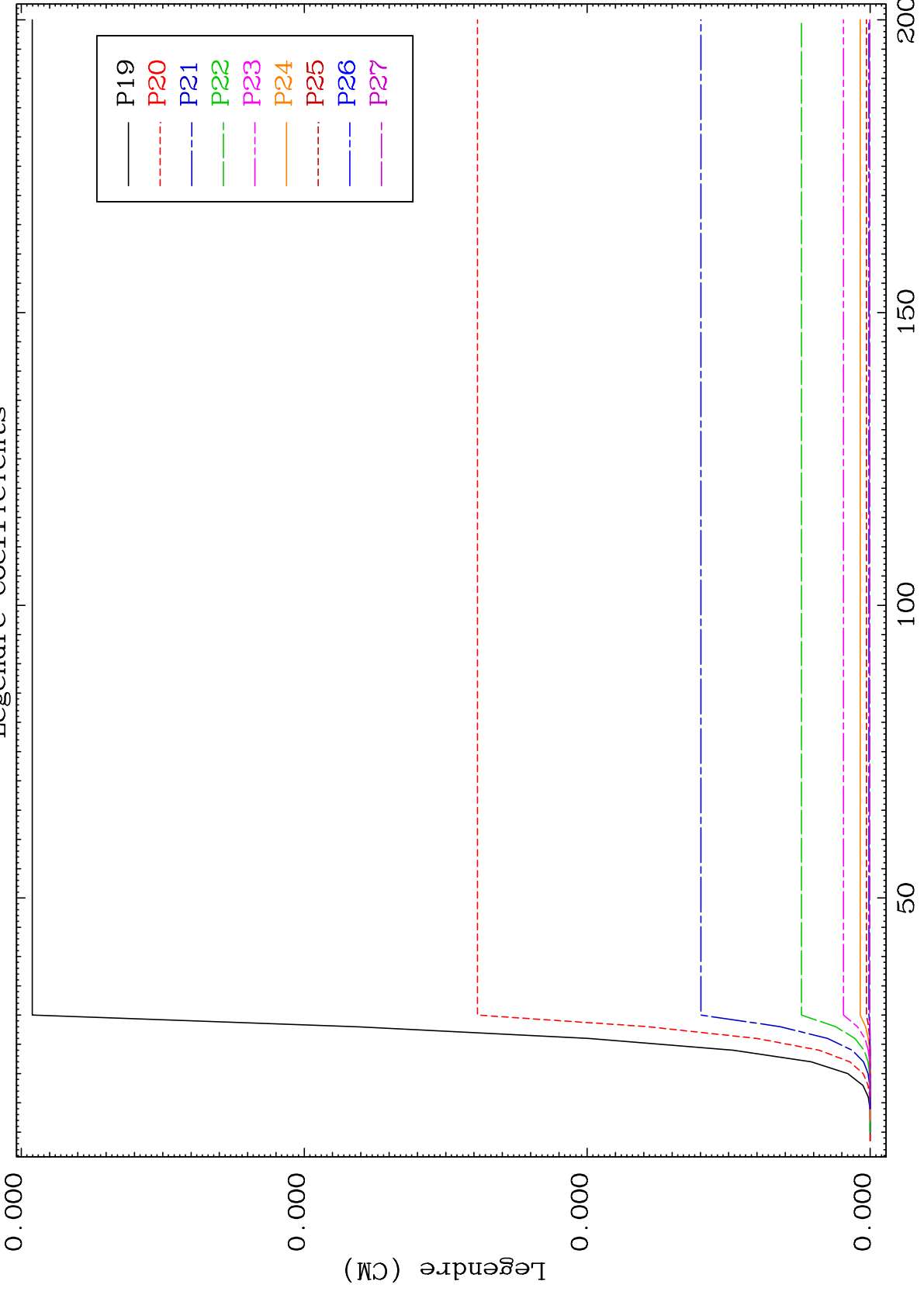


109

Incident Energy (MeV)

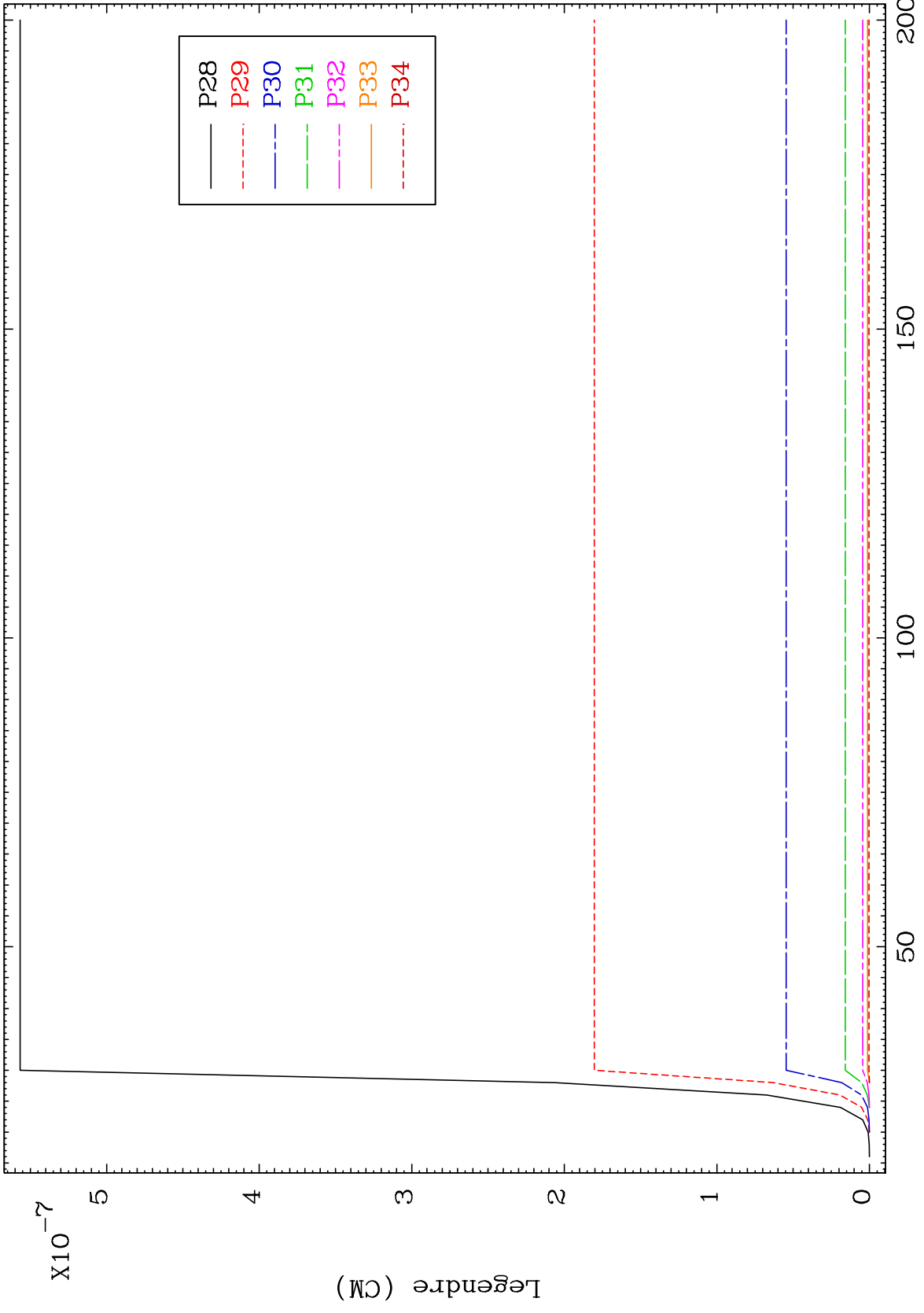
40-Zr-93

MAT 4034 MT= 73 (n,n') Level Legendre Coefficients 40-Zr-93



110 Incident Energy (MeV) 40-Zr-93

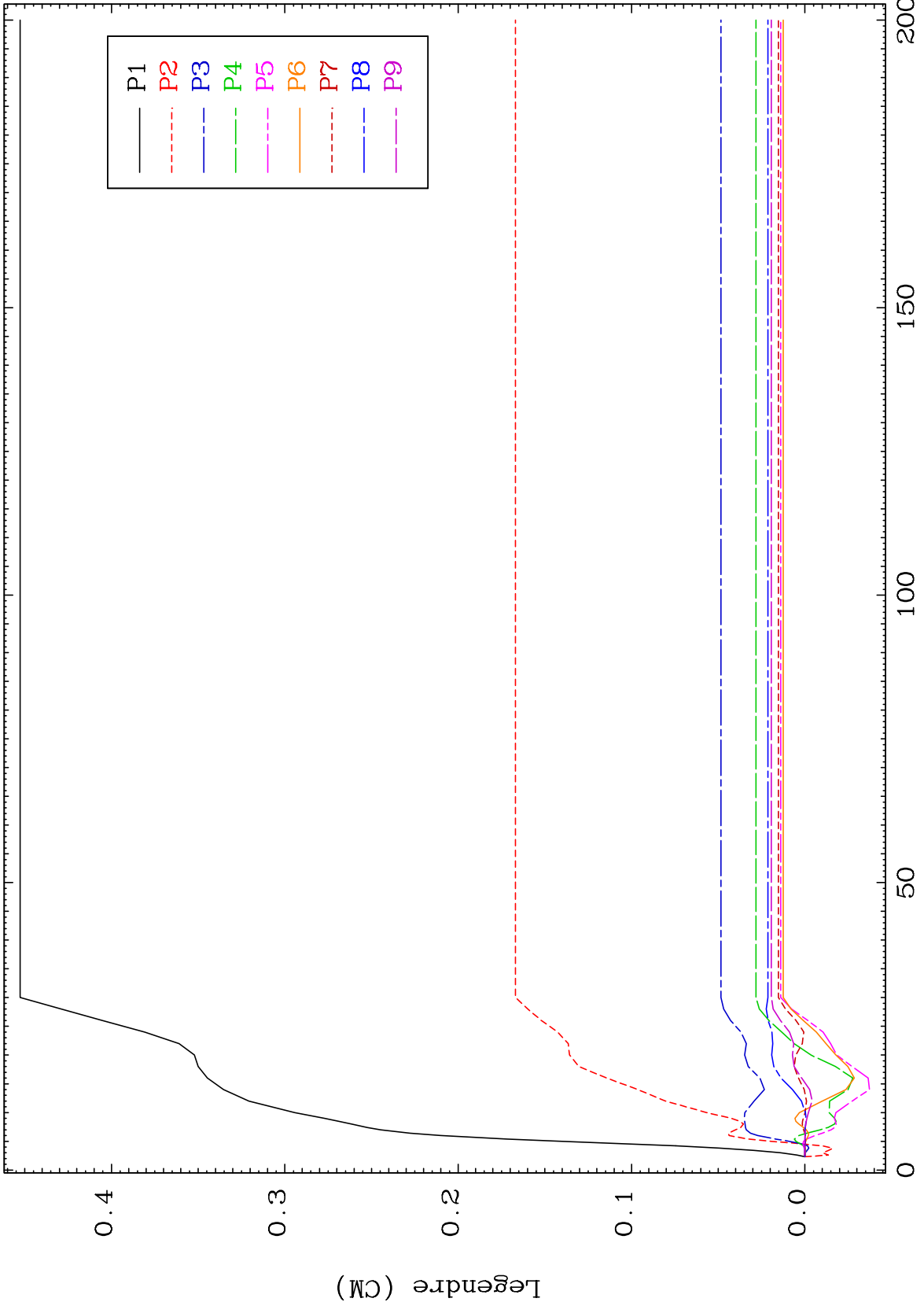
MAT 4034 MT= 73 (n,n') Level Legendre Coefficients 40-Zr-93



111 40-Zr-93



MAT 4034 MT= 74 (n,n') Level Legendre Coefficients 40-Zr-93

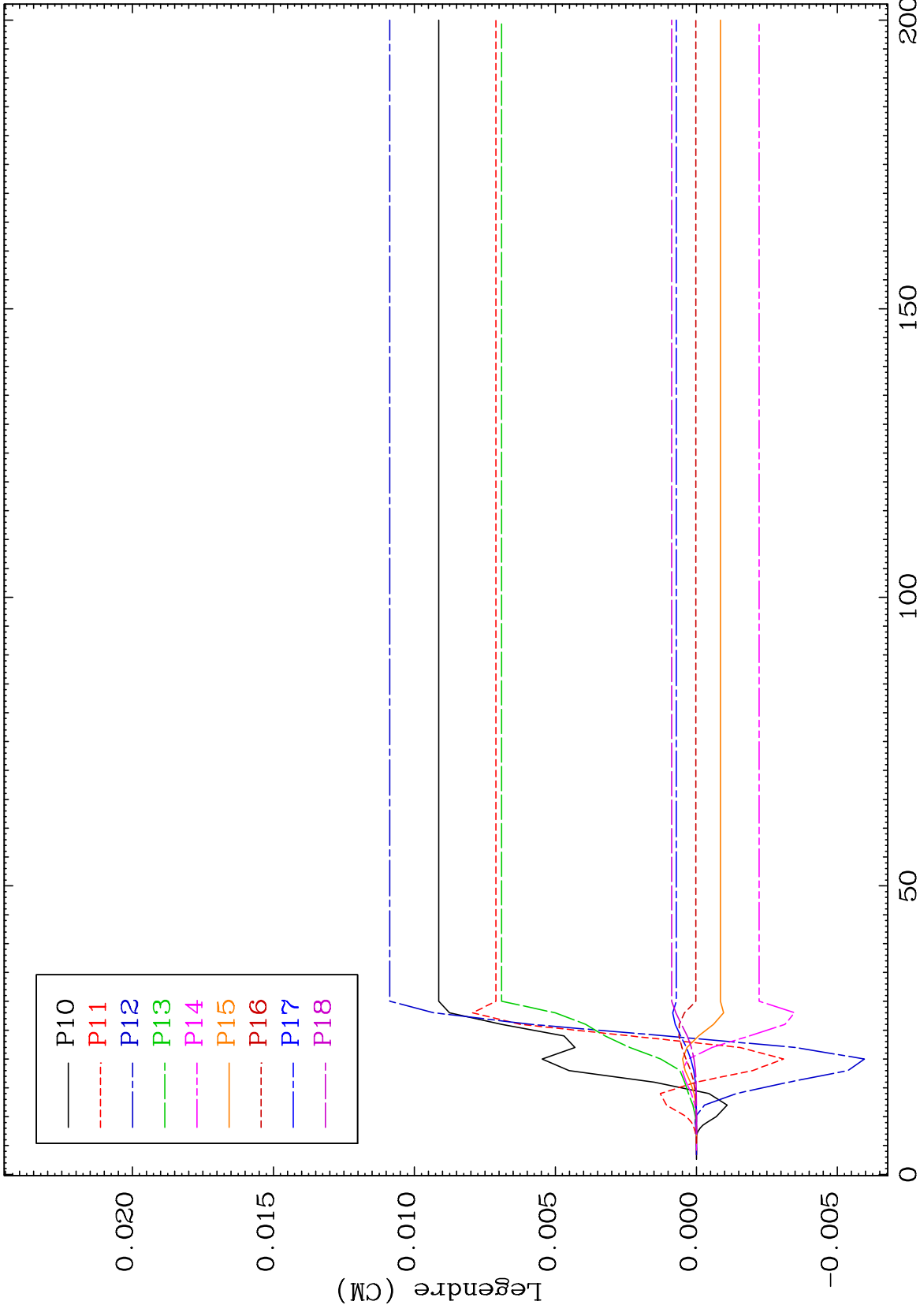


112 40-Zr-93

MAT 4034

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

40-Zr-93



113

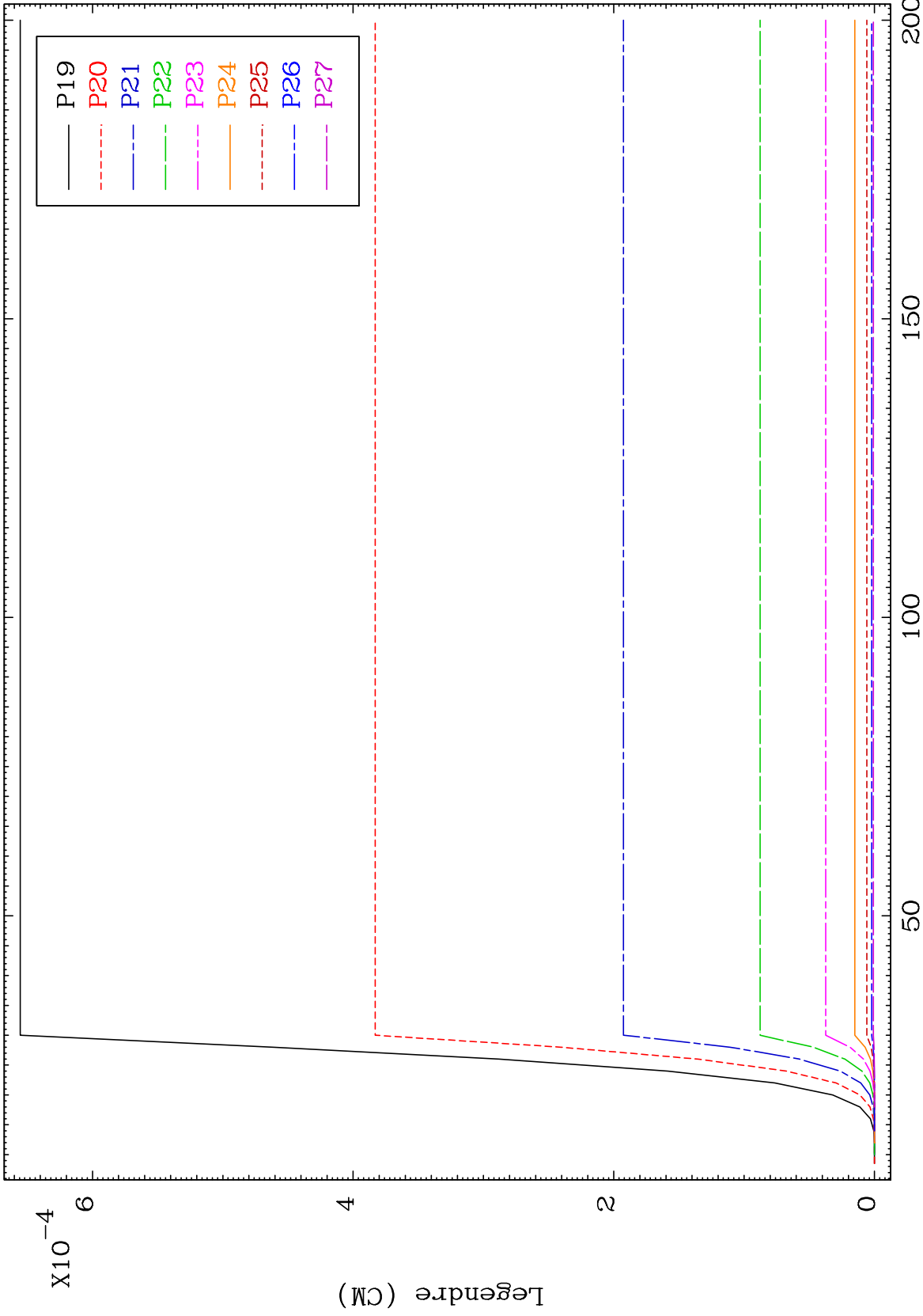
Incident Energy (MeV)

40-Zr-93

MAT 4034

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

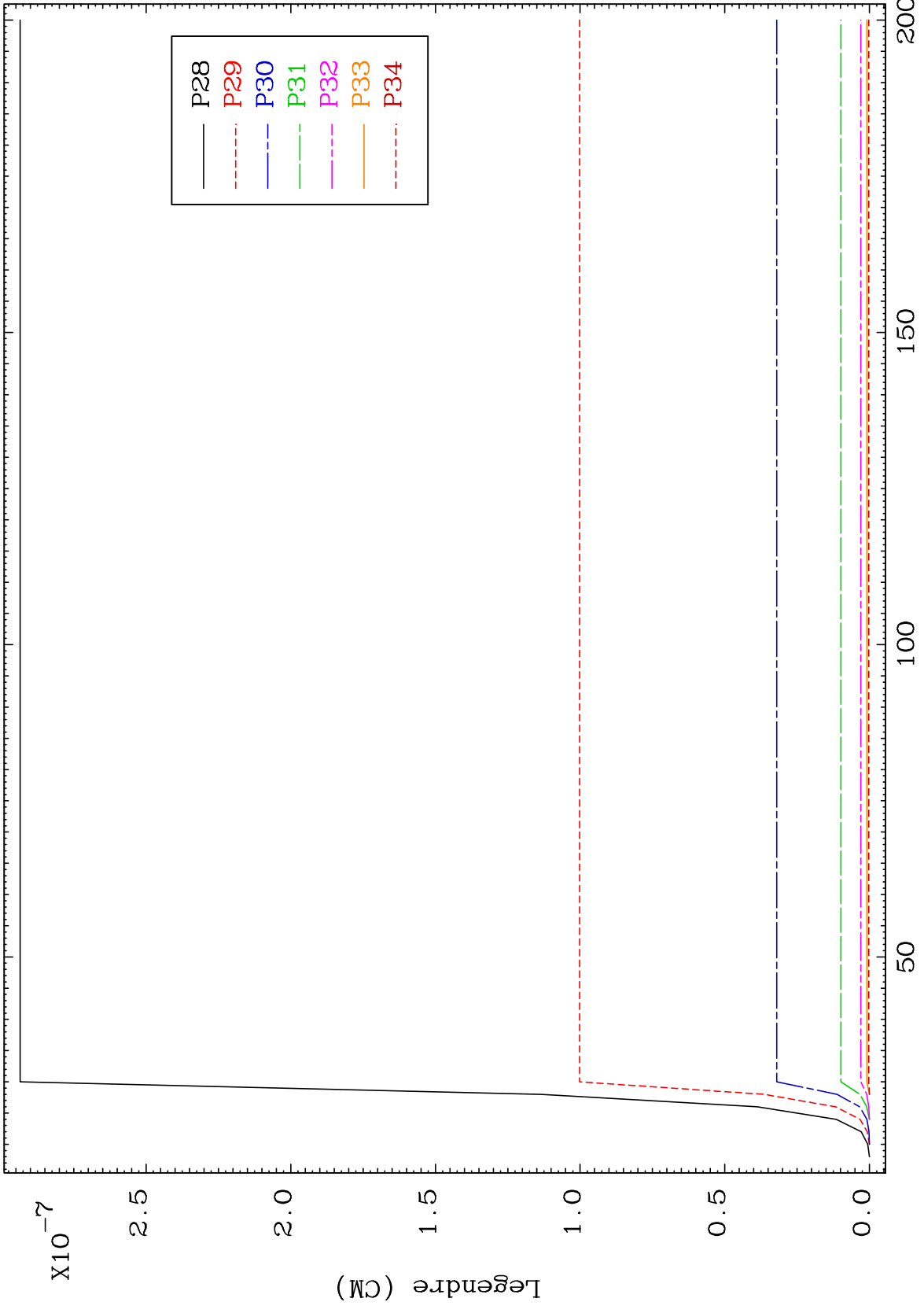
40-Zr-93



114

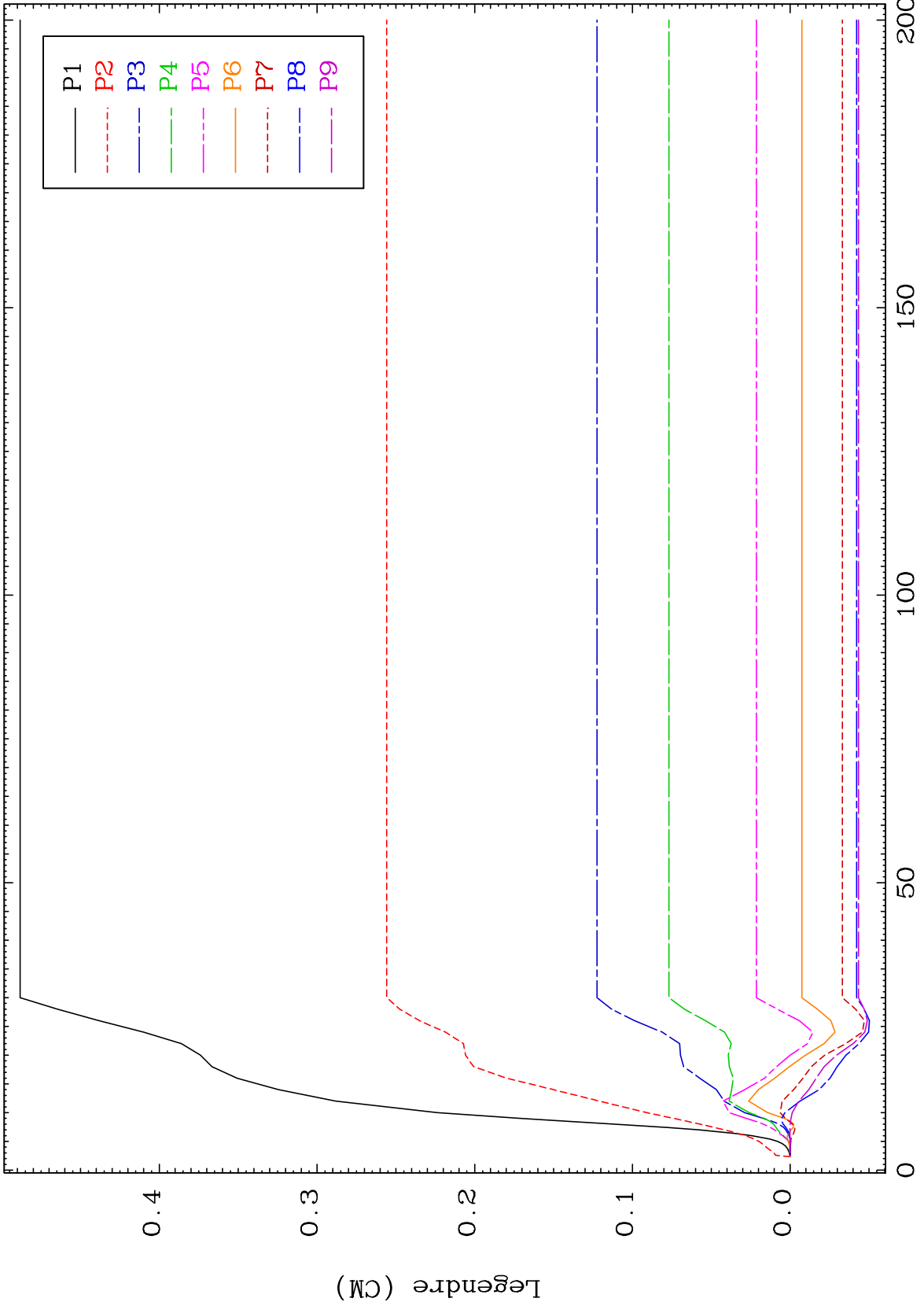
40-Zr-93

MAT 4034 MT= 74 (n,n') Level Legendre Coefficients 40-Zr-93



115 50 100 150 200 40-Zr-93

MAT 4034 MT= 75 (n,n') Level Legendre Coefficients 40-Zr-93

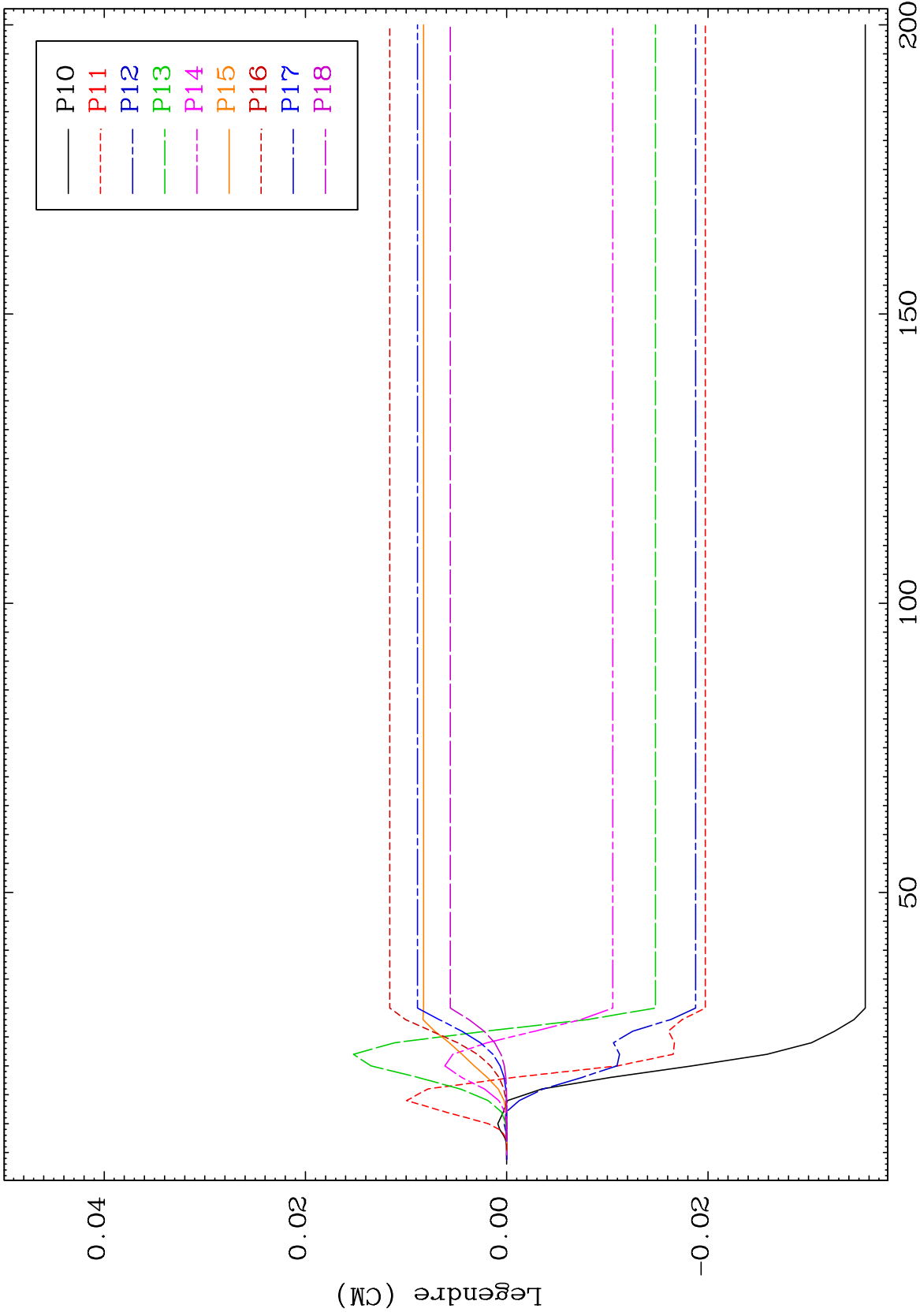


116 40-Zr-93

MAT 4034

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

40-Zr-93

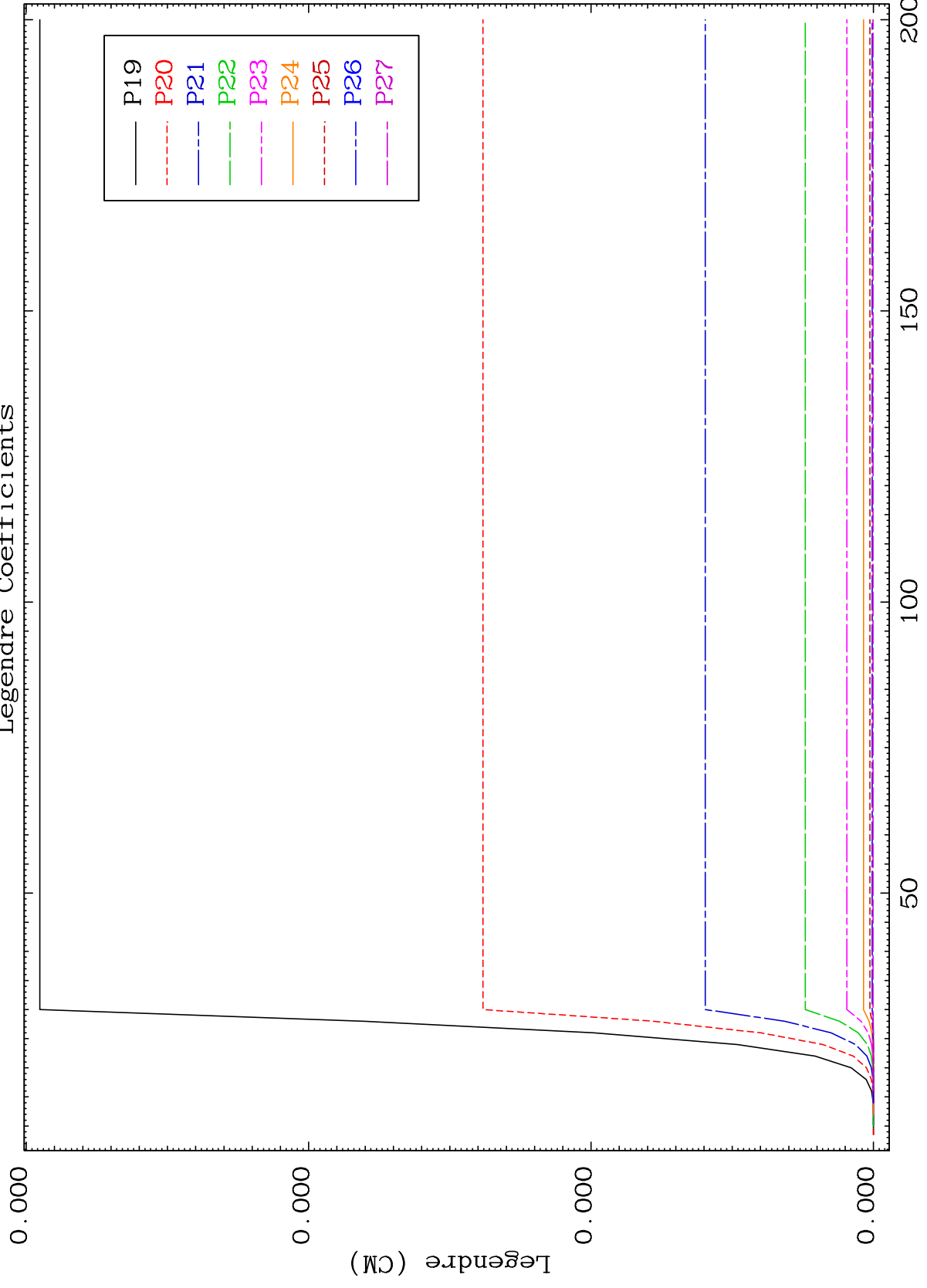


117

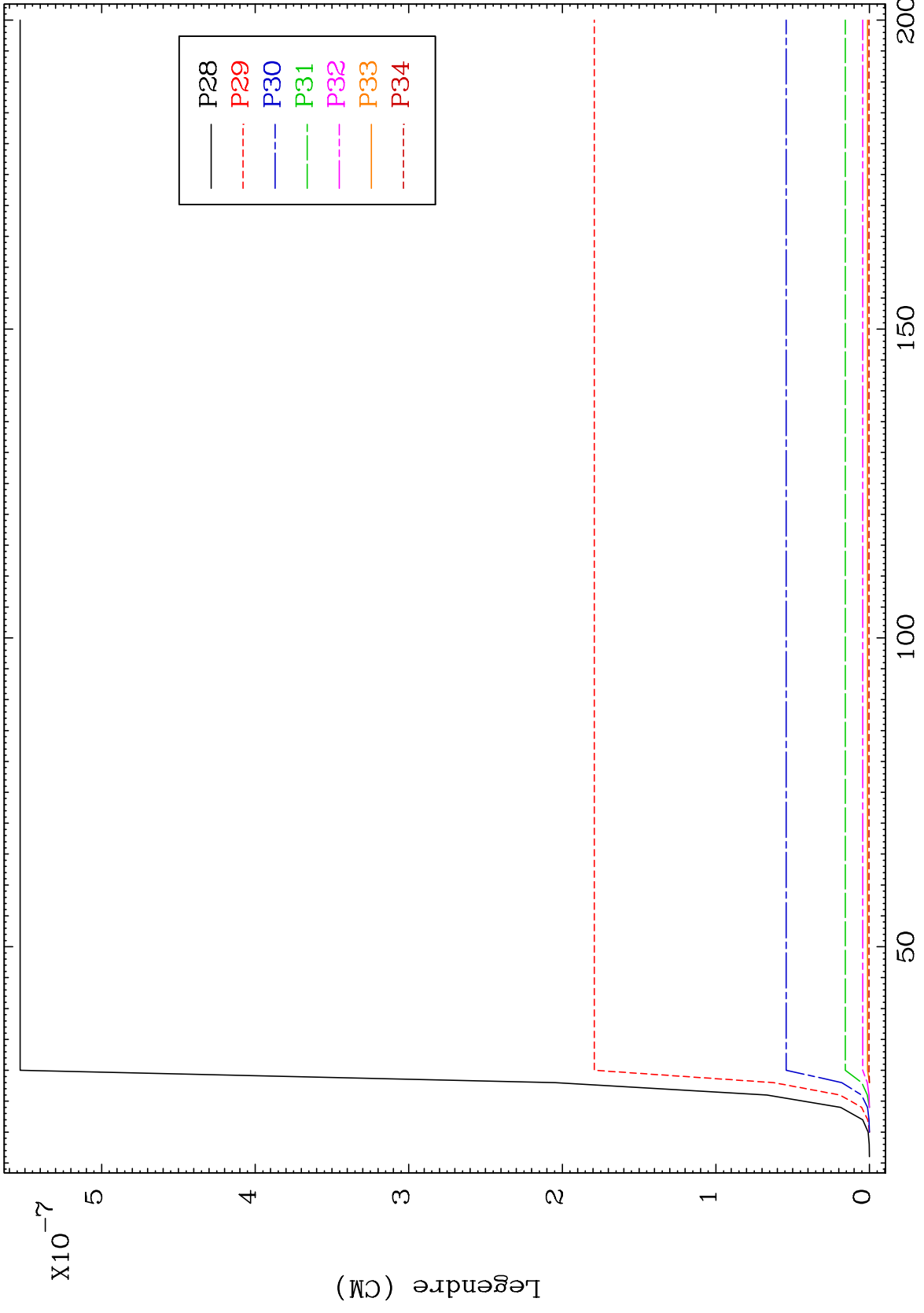
Incident Energy (MeV)

40-Zr-93

MAT 4034 MT= 75 (n,n') Level Legendre Coefficients 40-Zr-93



MAT 4034 MT= 75 (n,n') Level Legendre Coefficients 40-Zr-93

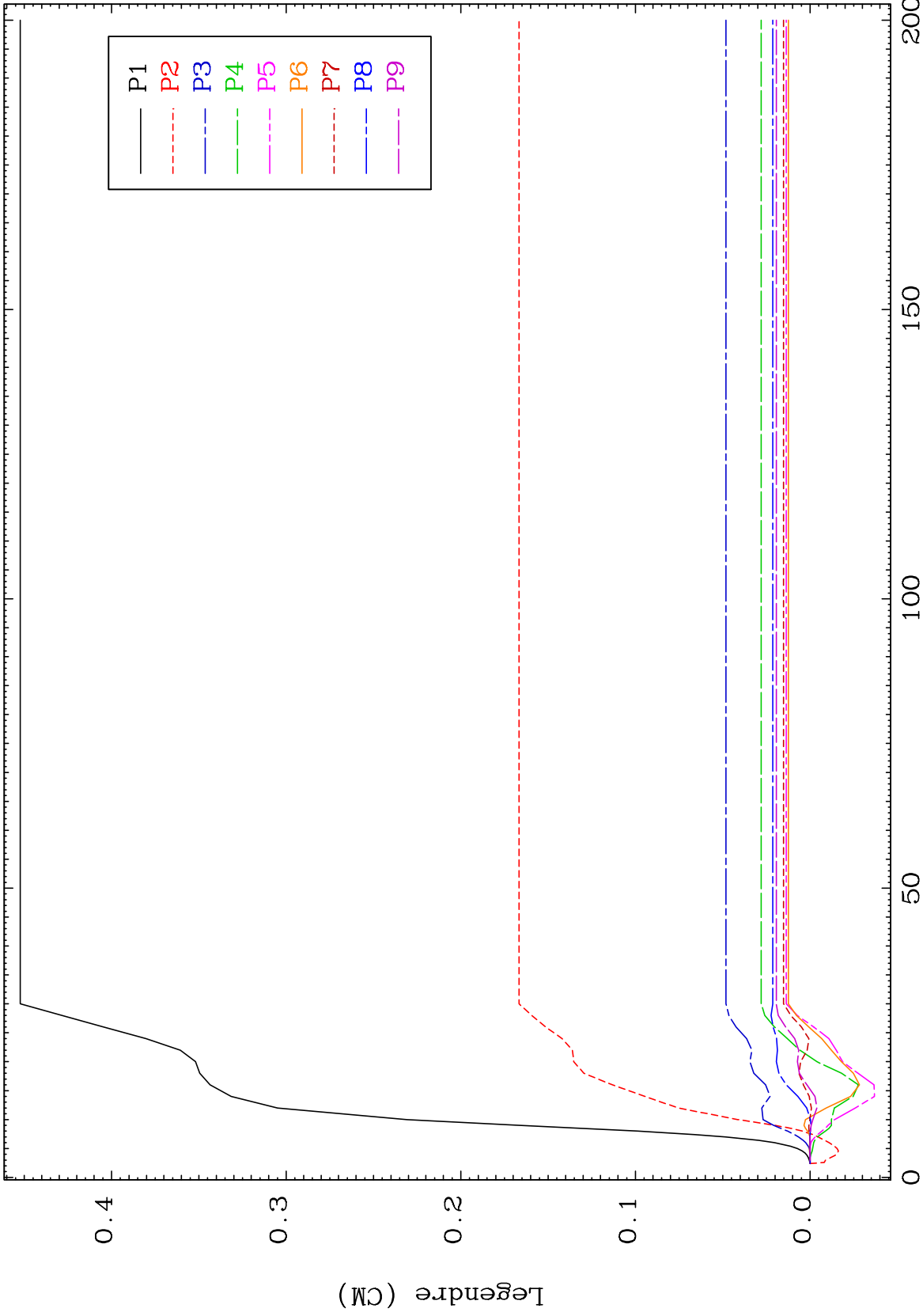




MAT 4034

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

40-Zr-93



40-Zr-93

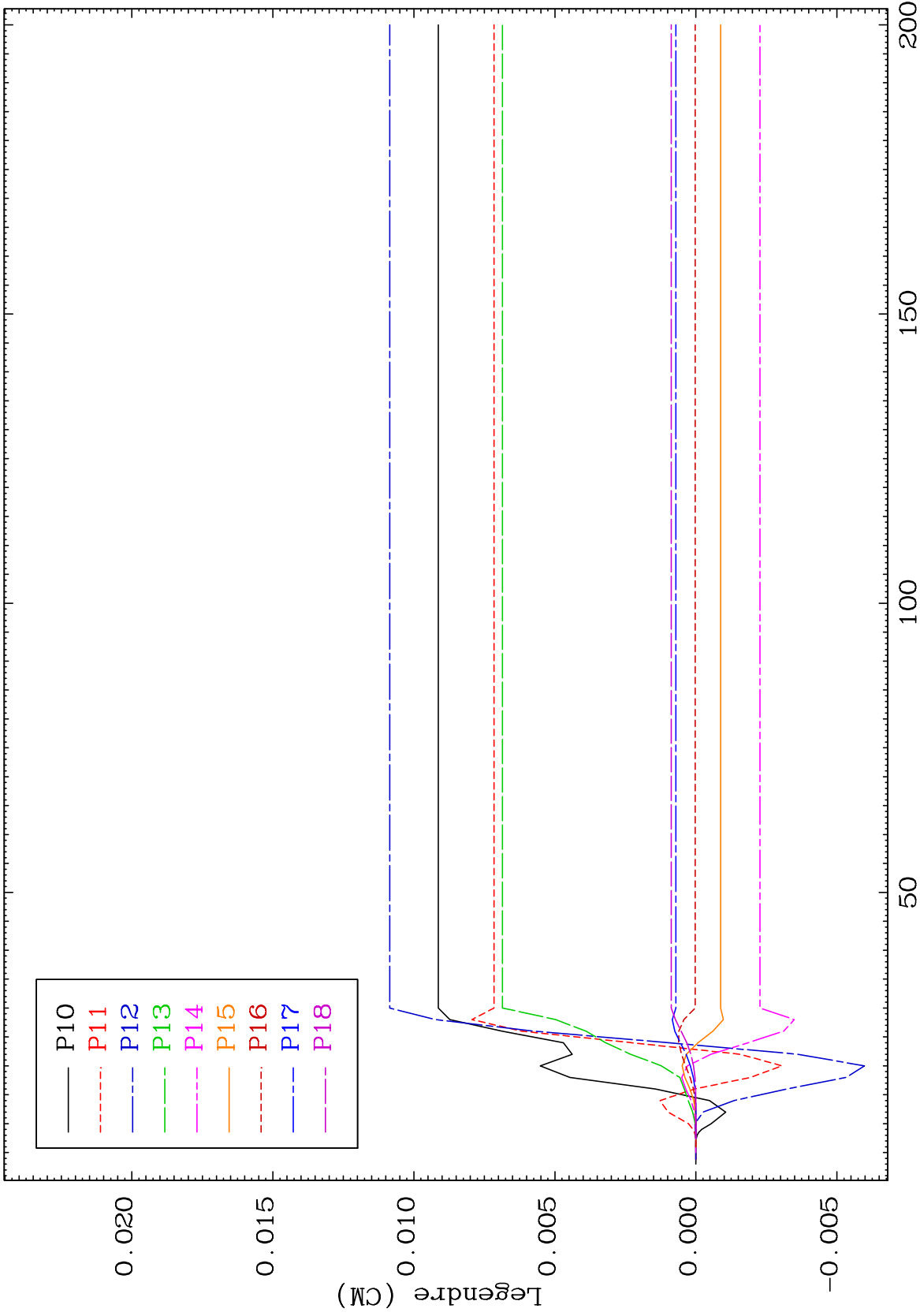
Incident Energy (MeV)

120

MAT 4034

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

40-Zr-93



121

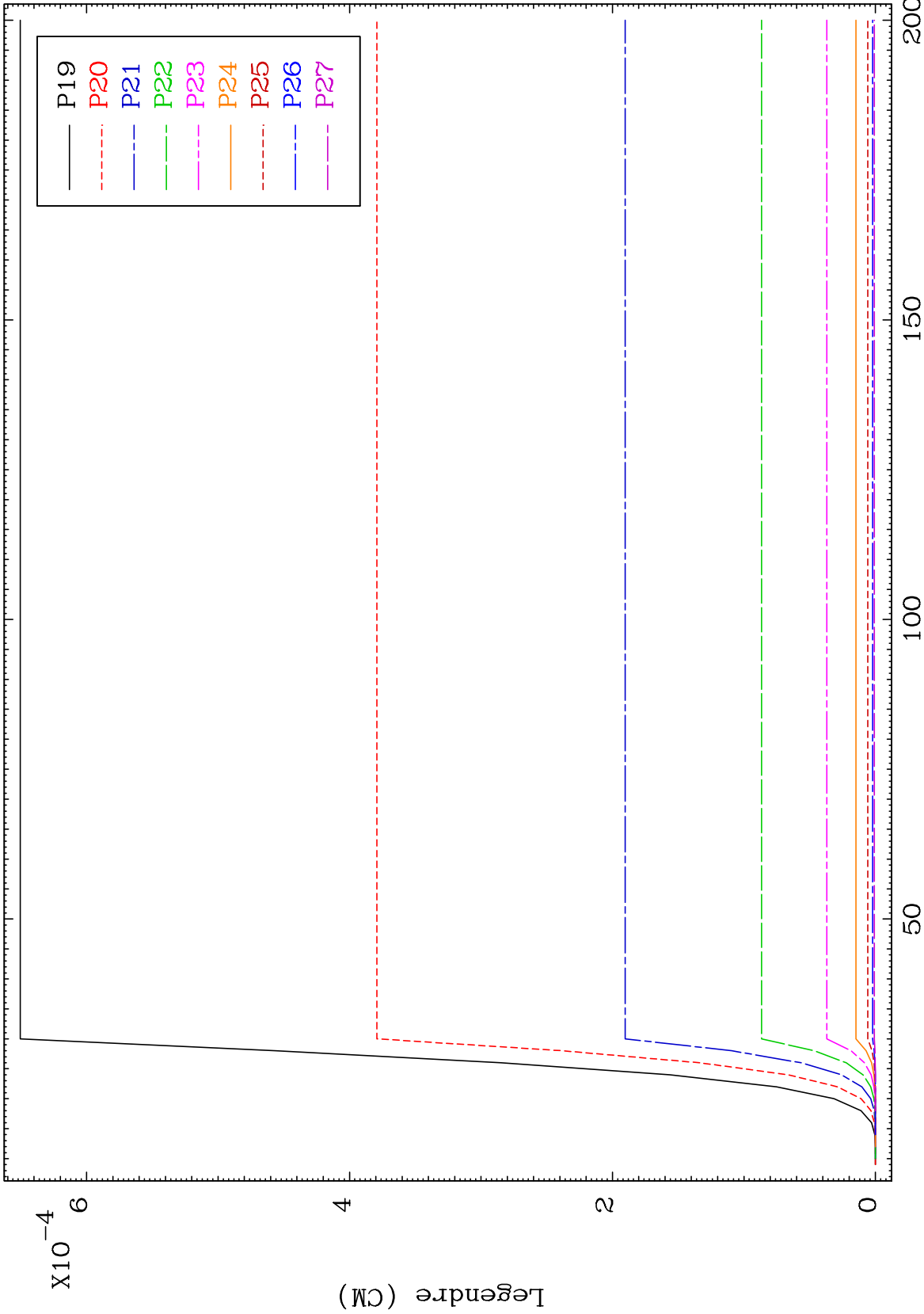
Incident Energy (MeV)

40-Zr-93

MAT 4034

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

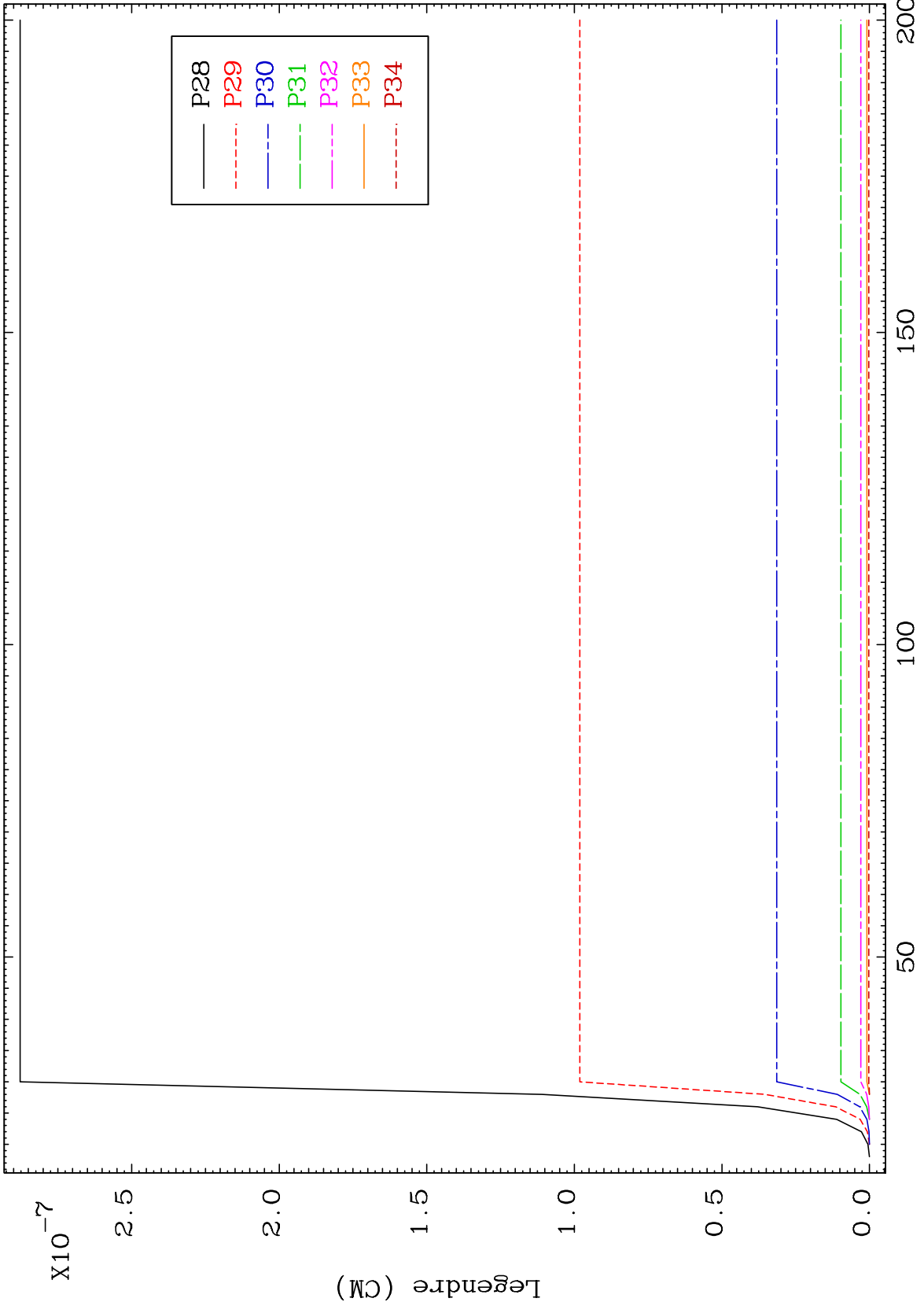
40-Zr-93



122

40-Zr-93

MAT 4034 MT= 76 (n,n') Level Legendre Coefficients 40-Zr-93

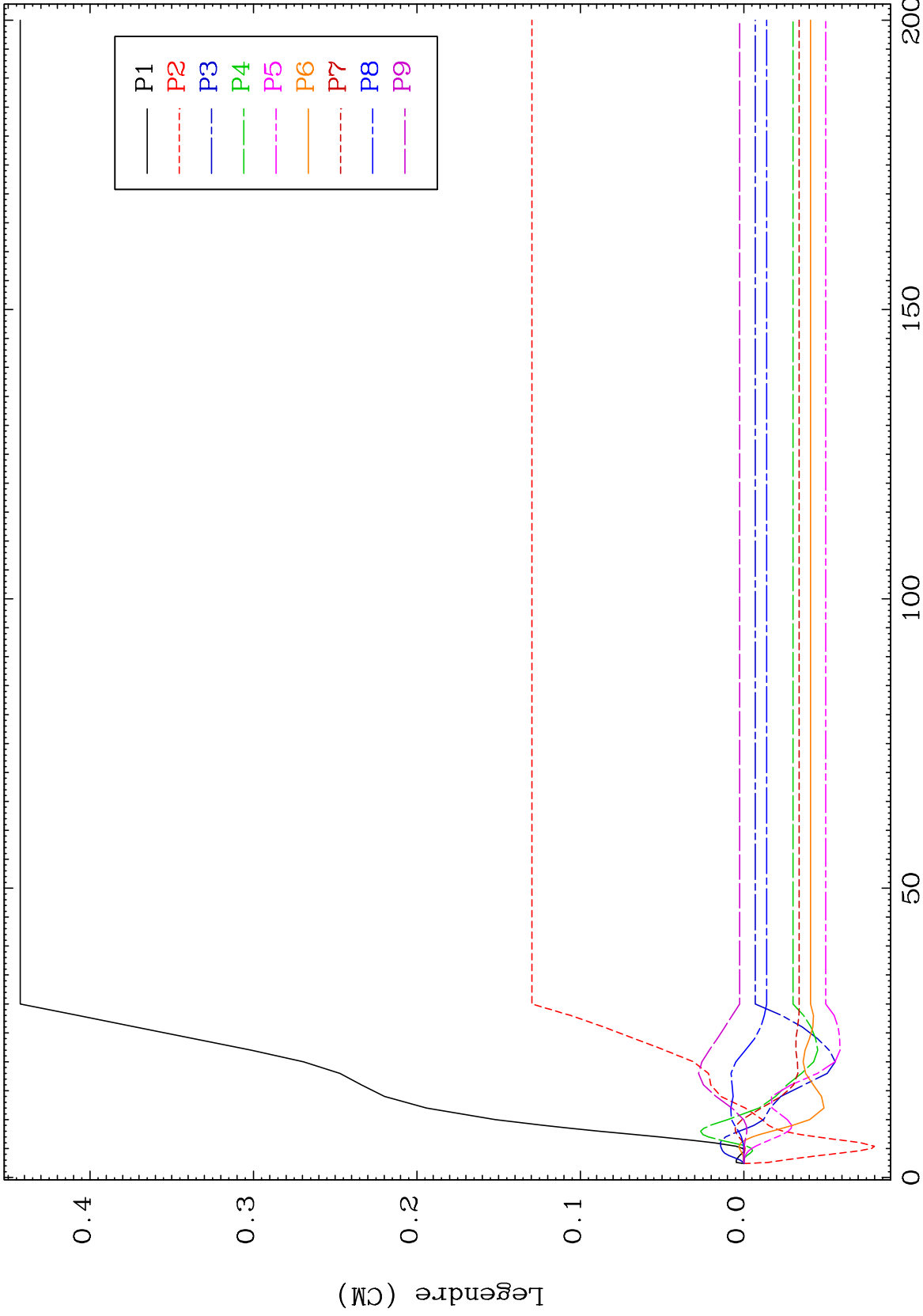


123 40-Zr-93

MAT 4034

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

40-Zr-93



40-Zr-93

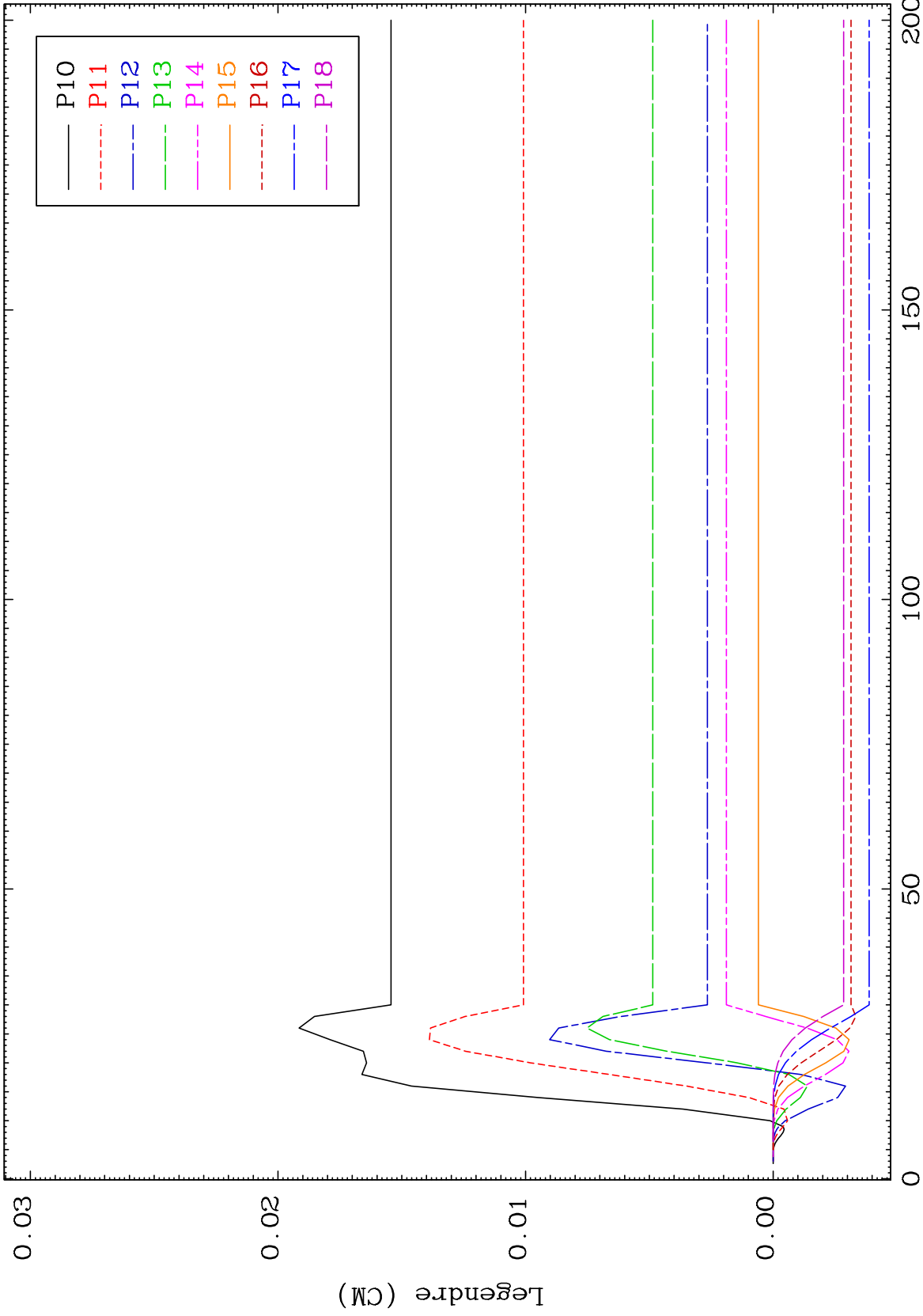
Incident Energy (MeV)

124

MAT 4034

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

40-Zr-93

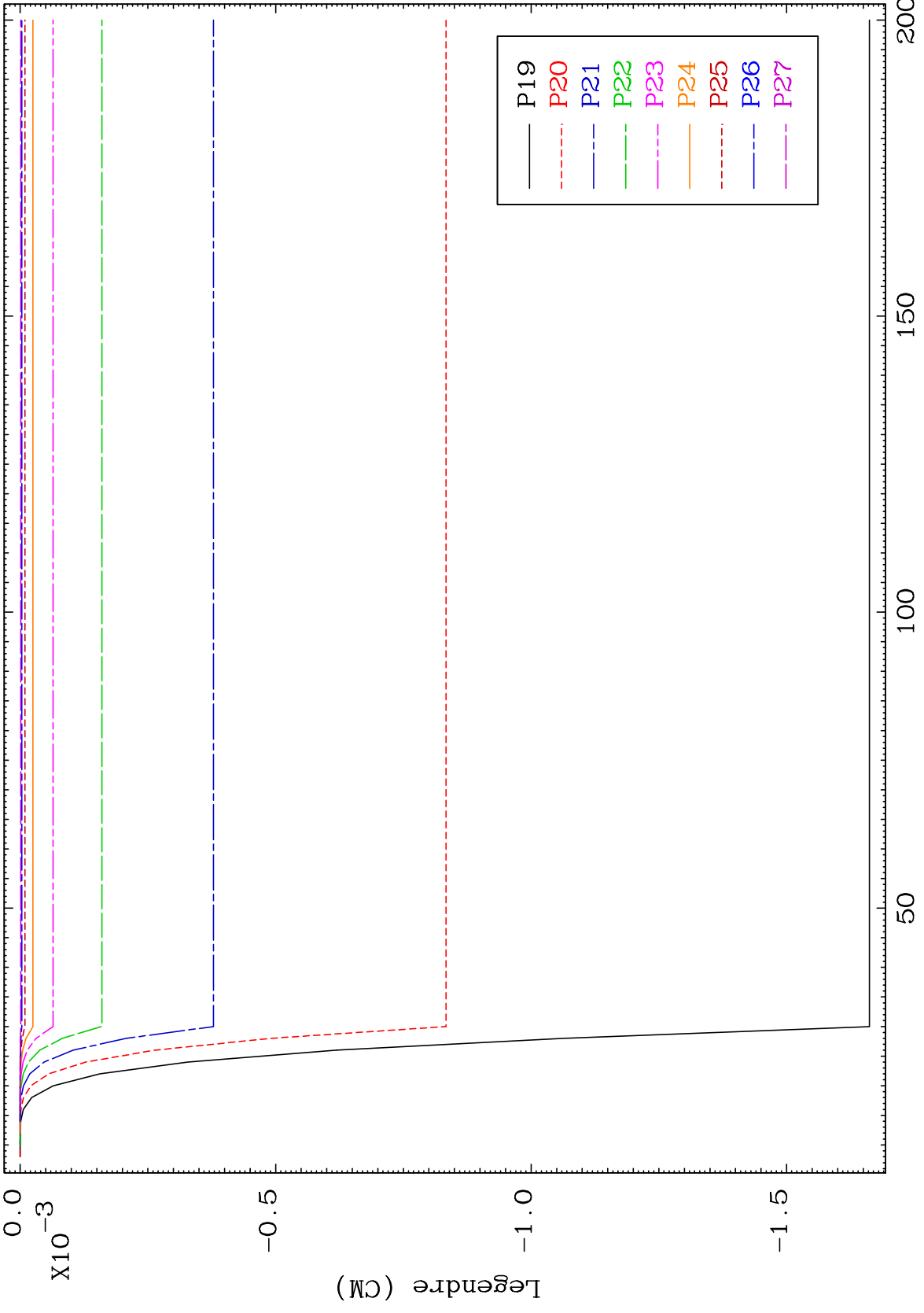


125

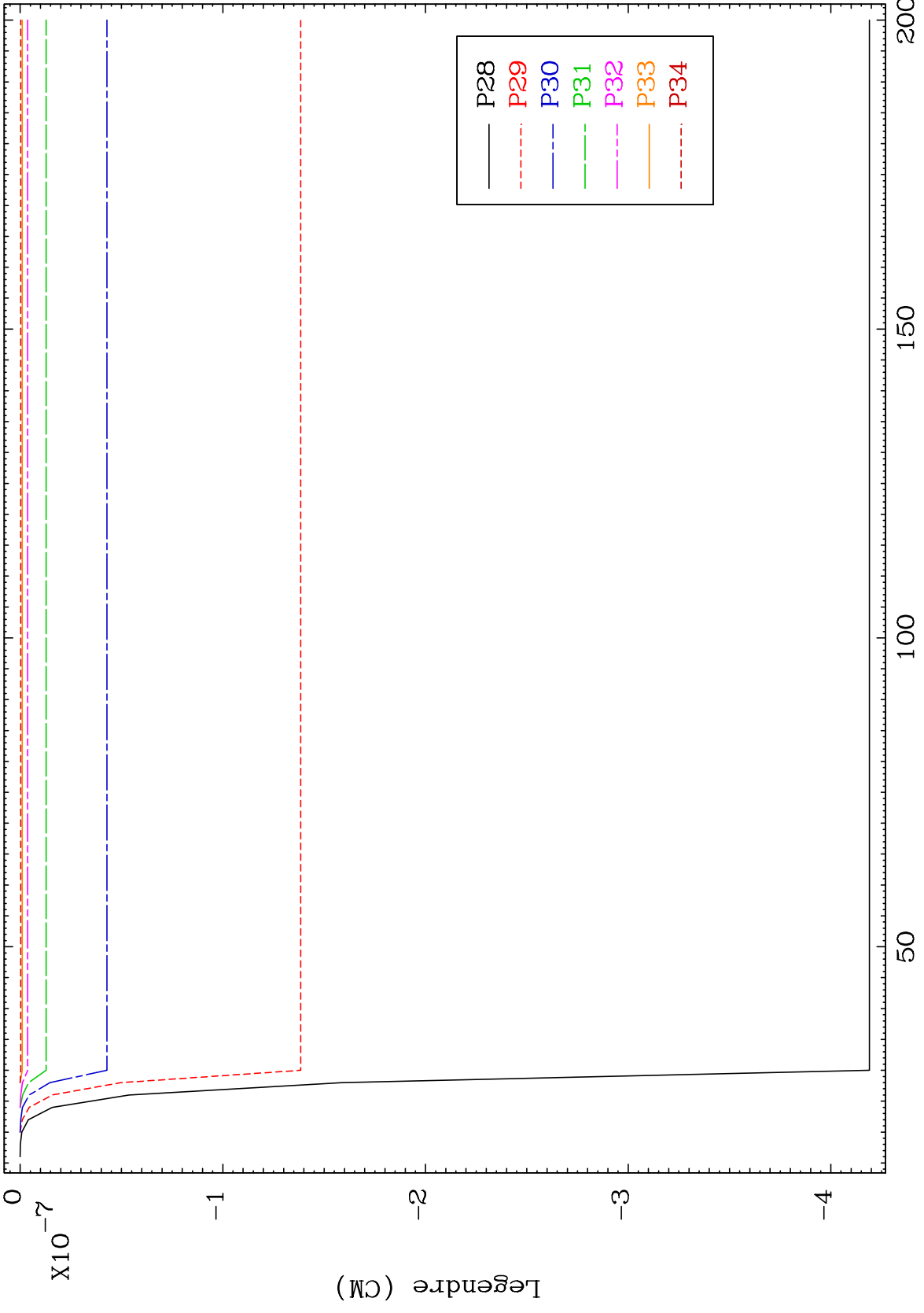
Incident Energy (MeV)

40-Zr-93

MAT 4034 MT= 77 (n,n') Level Legendre Coefficients 40-Zr-93



MAT 4034 MT= 77 (n,n') Level Legendre Coefficients 40-Zr-93





MAT 4034

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

40-Zr-93

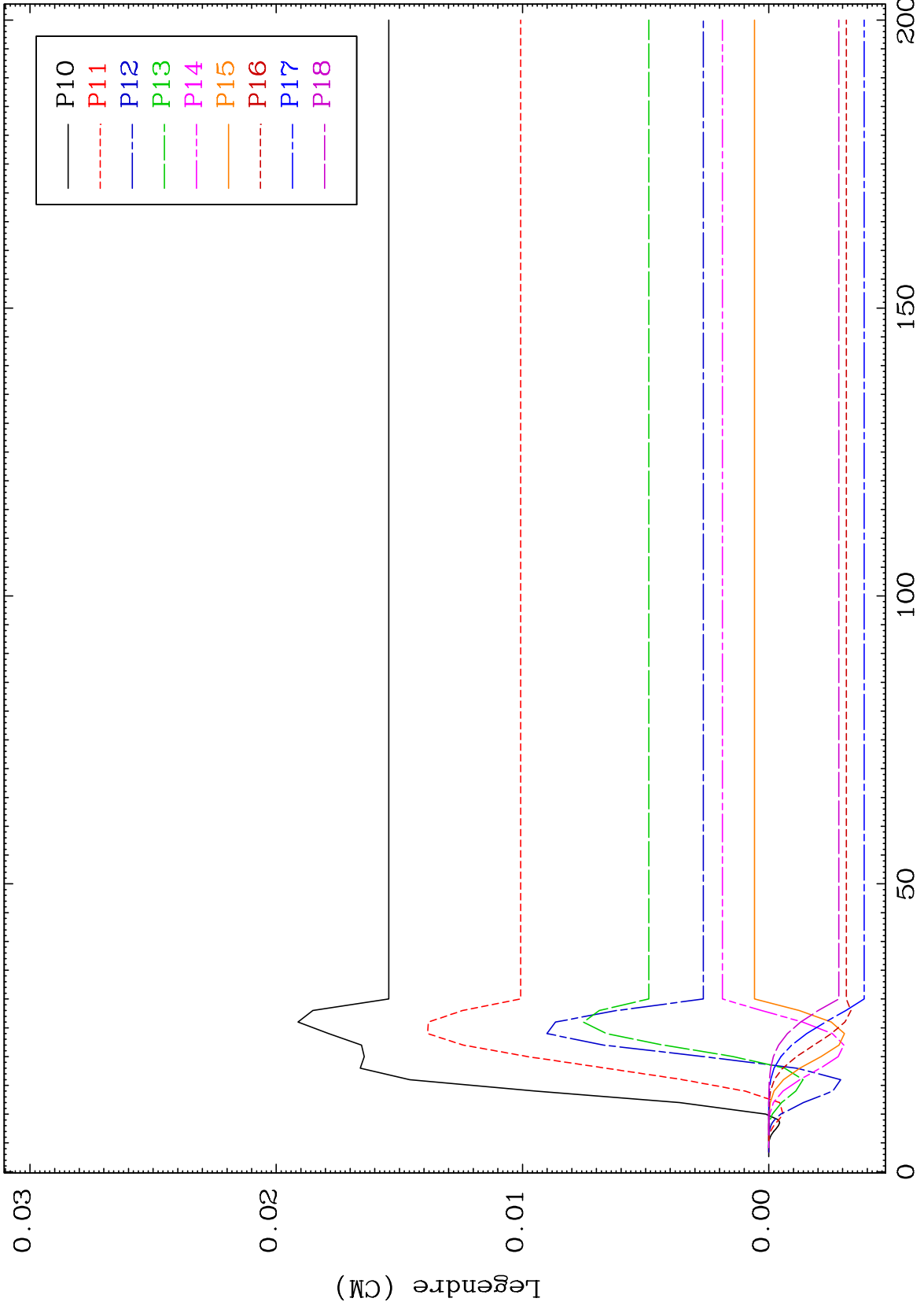


128

Incident Energy (MeV)

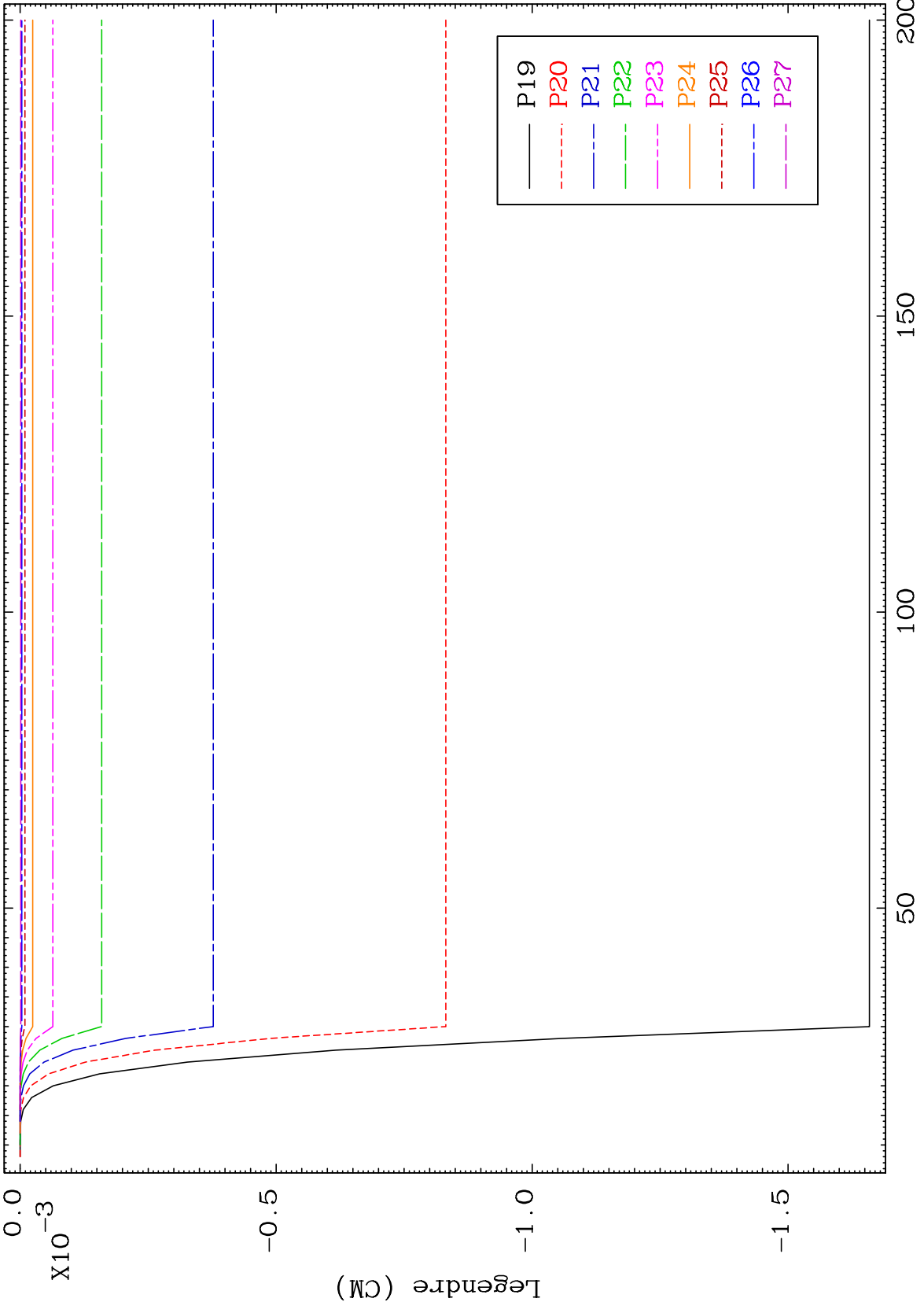
40-Zr-93

MAT 4034 MT= 78 (n,n') Level Legendre Coefficients 40-Zr-93



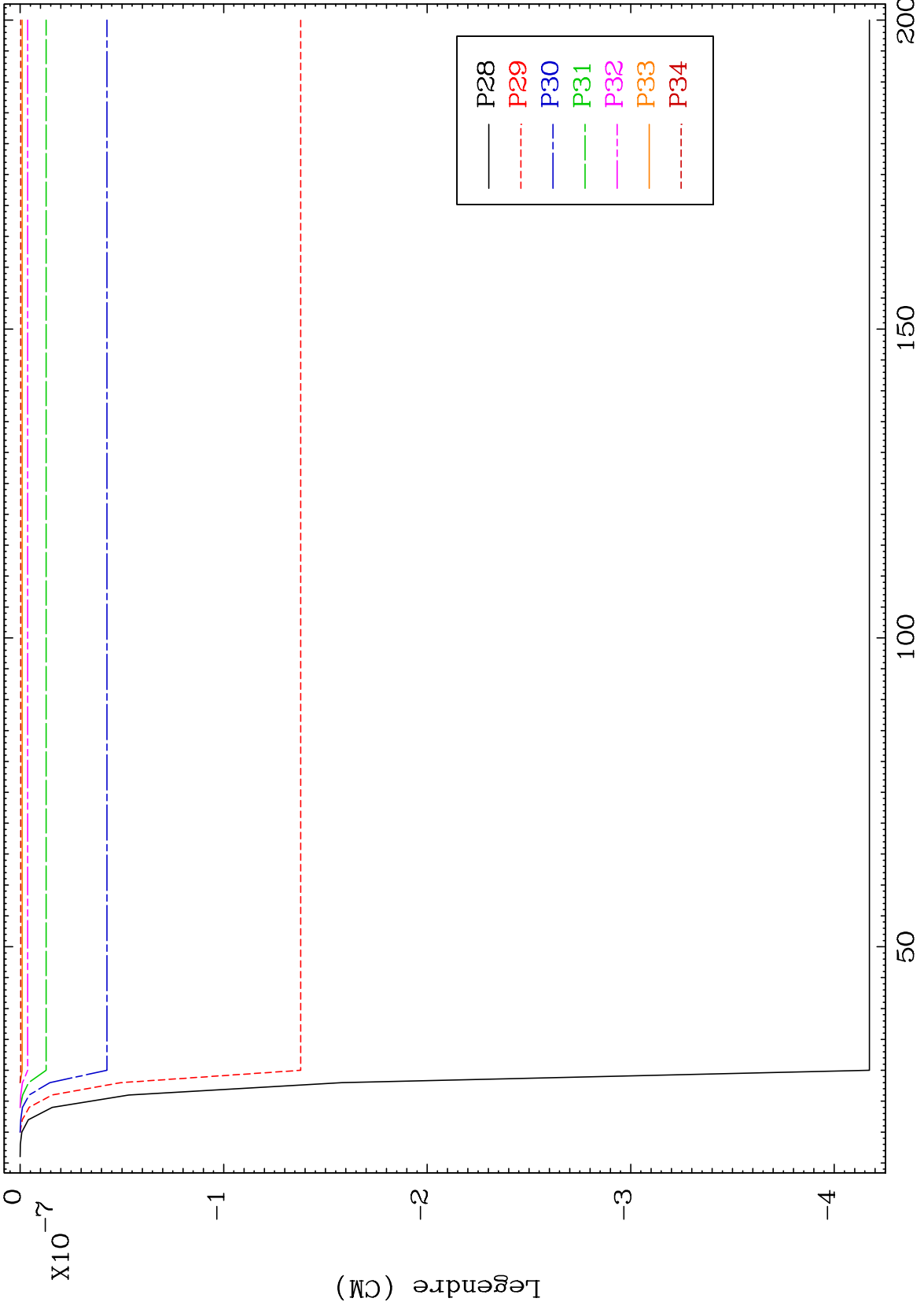
129 40-Zr-93

MAT 4034 MT= 78 (n,n') Level Legendre Coefficients 40-Zr-93



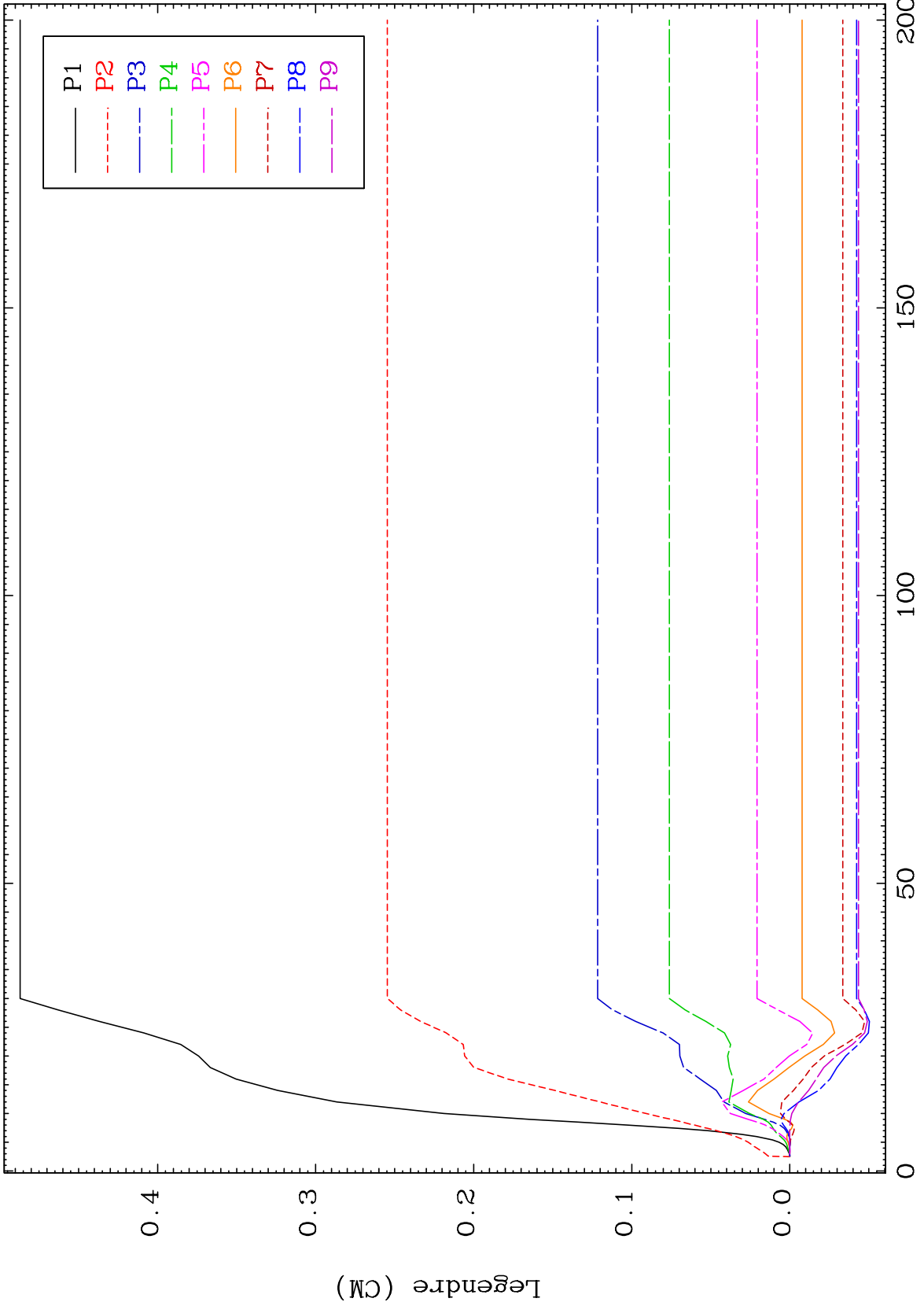
130 Incident Energy (MeV) 40-Zr-93

MAT 4034 MT= 78 (n,n') Level Legendre Coefficients 40-Zr-93



131 Incident Energy (MeV) 40-Zr-93

MAT 4034 MT= 79 (n,n') Level Legendre Coefficients 40-Zr-93

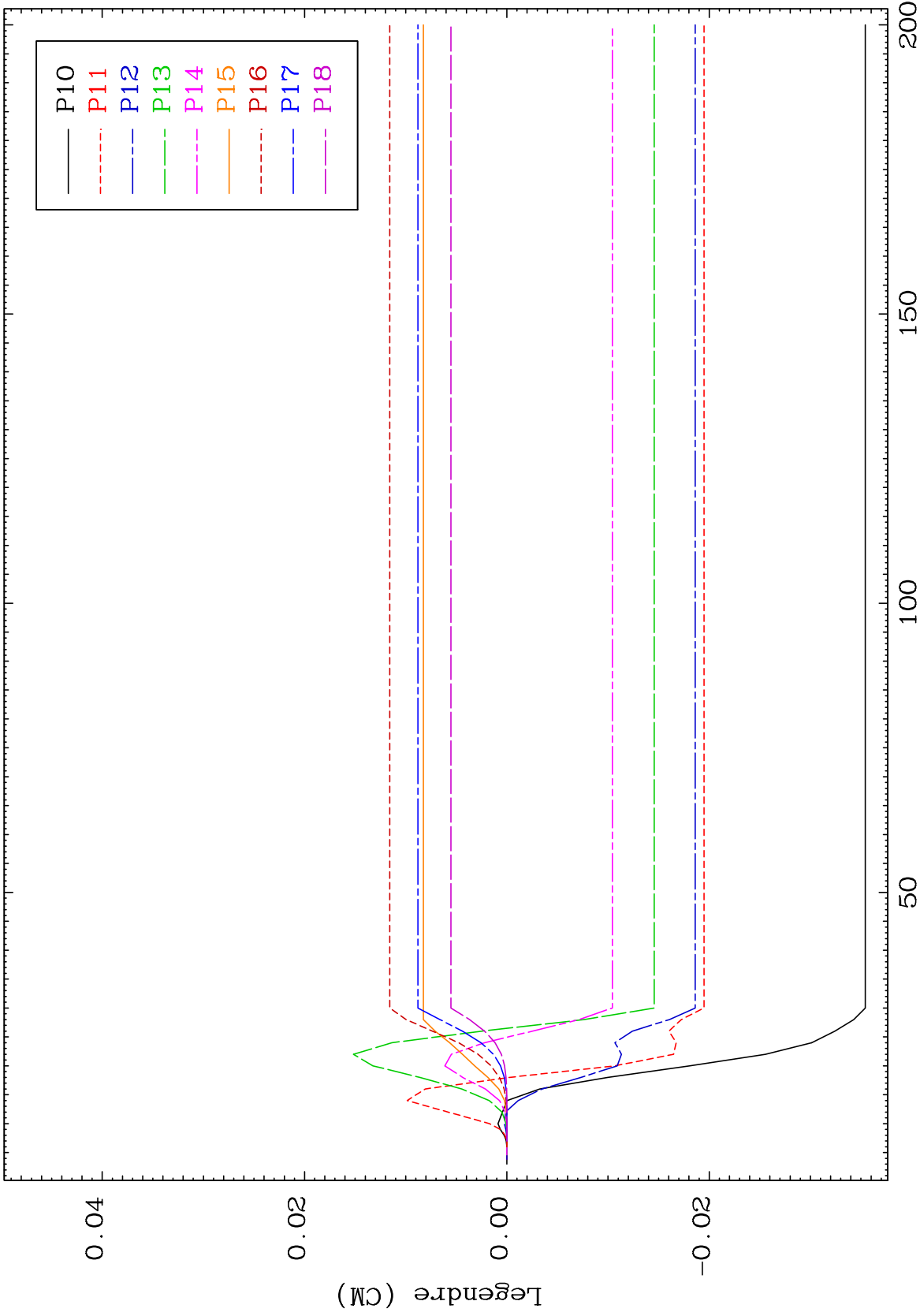


132 40-Zr-93

MAT 4034

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

40-Zr-93



133

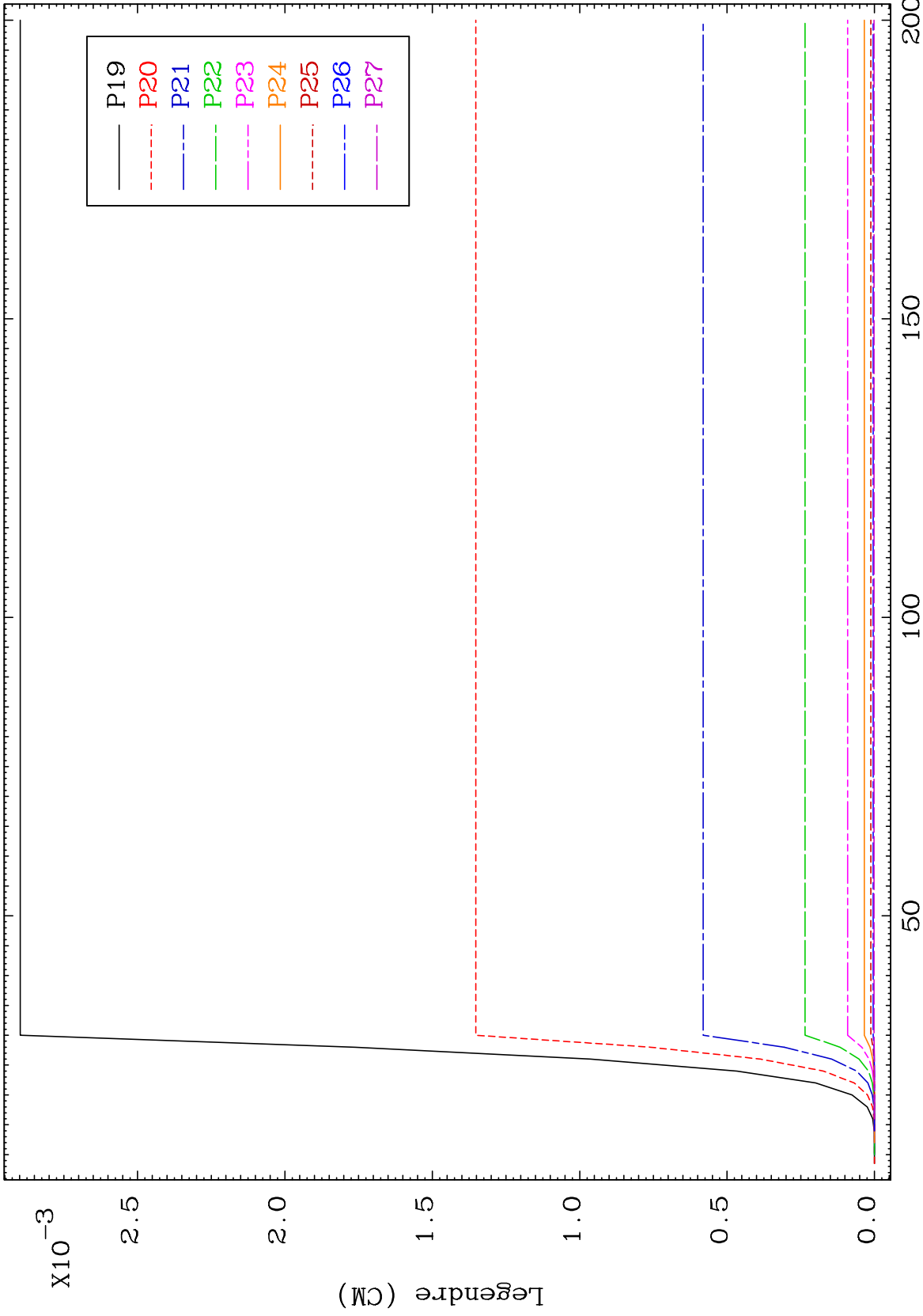
Incident Energy (MeV)

40-Zr-93

MAT 4034

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

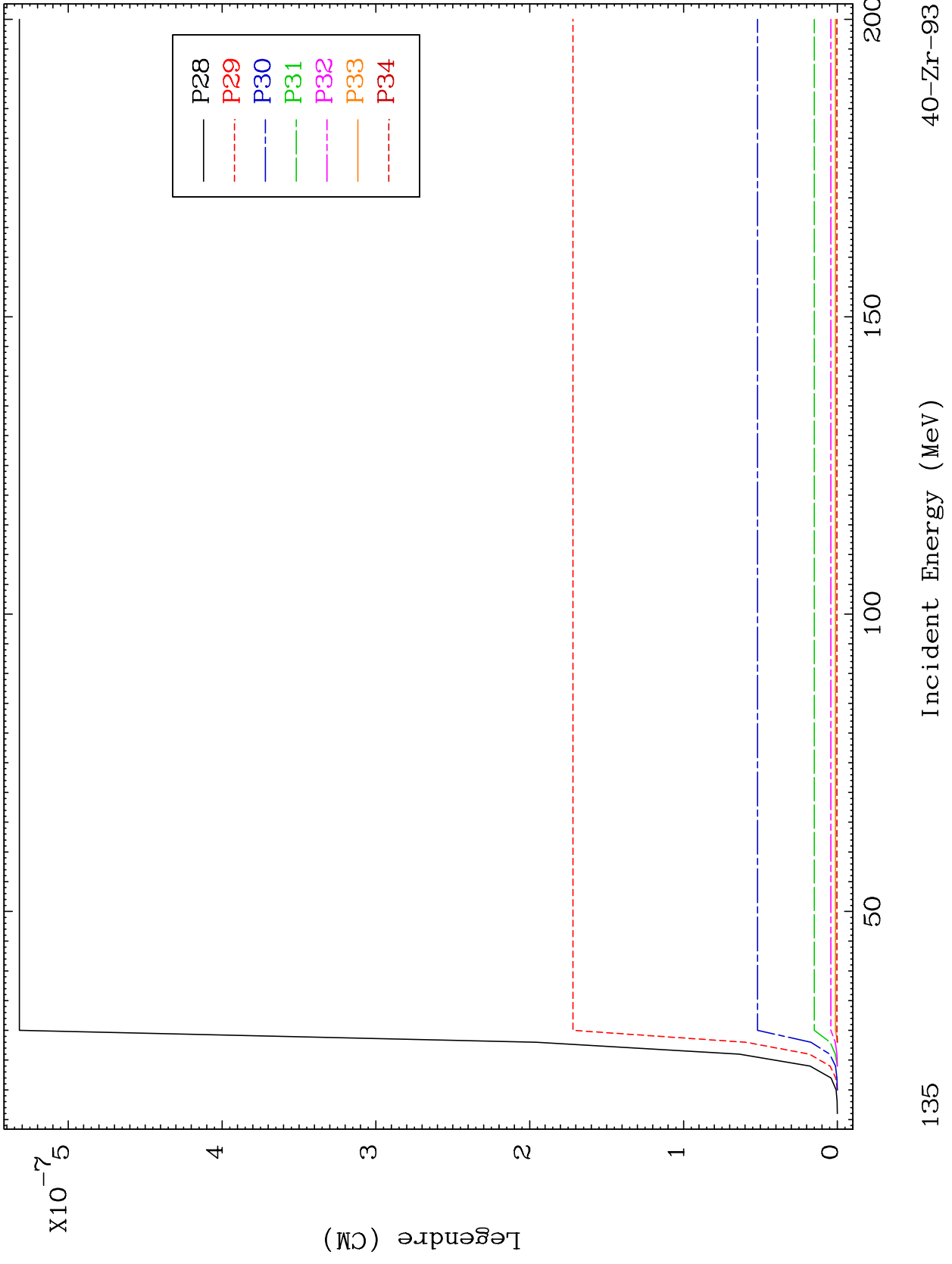
40-Zr-93



134

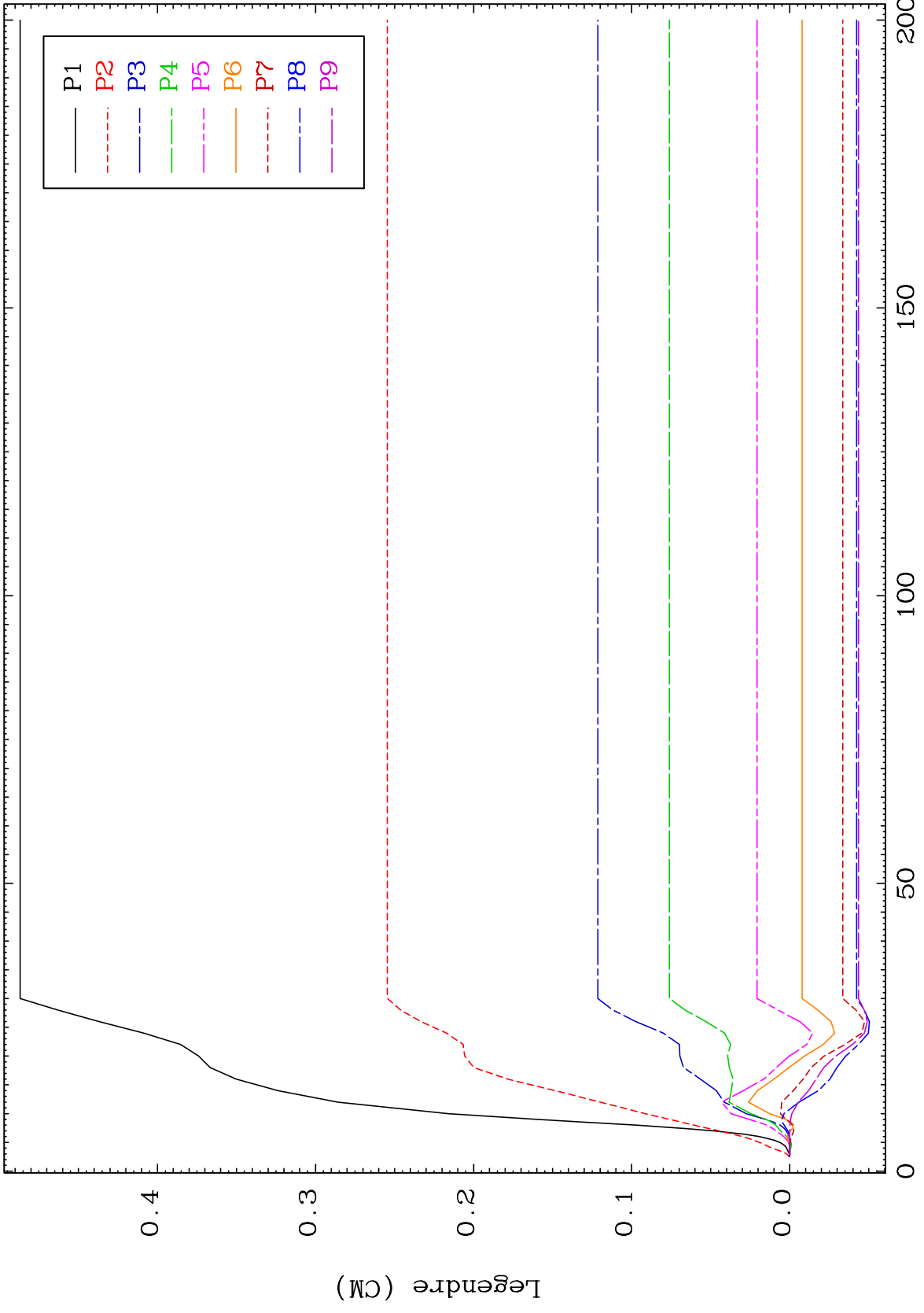
40-Zr-93

MAT 4034 MT= 79 (n,n') Level Legendre Coefficients 40-Zr-93





MAT 4034 MT= 80 (n,n') Level Legendre Coefficients 40-Zr-93

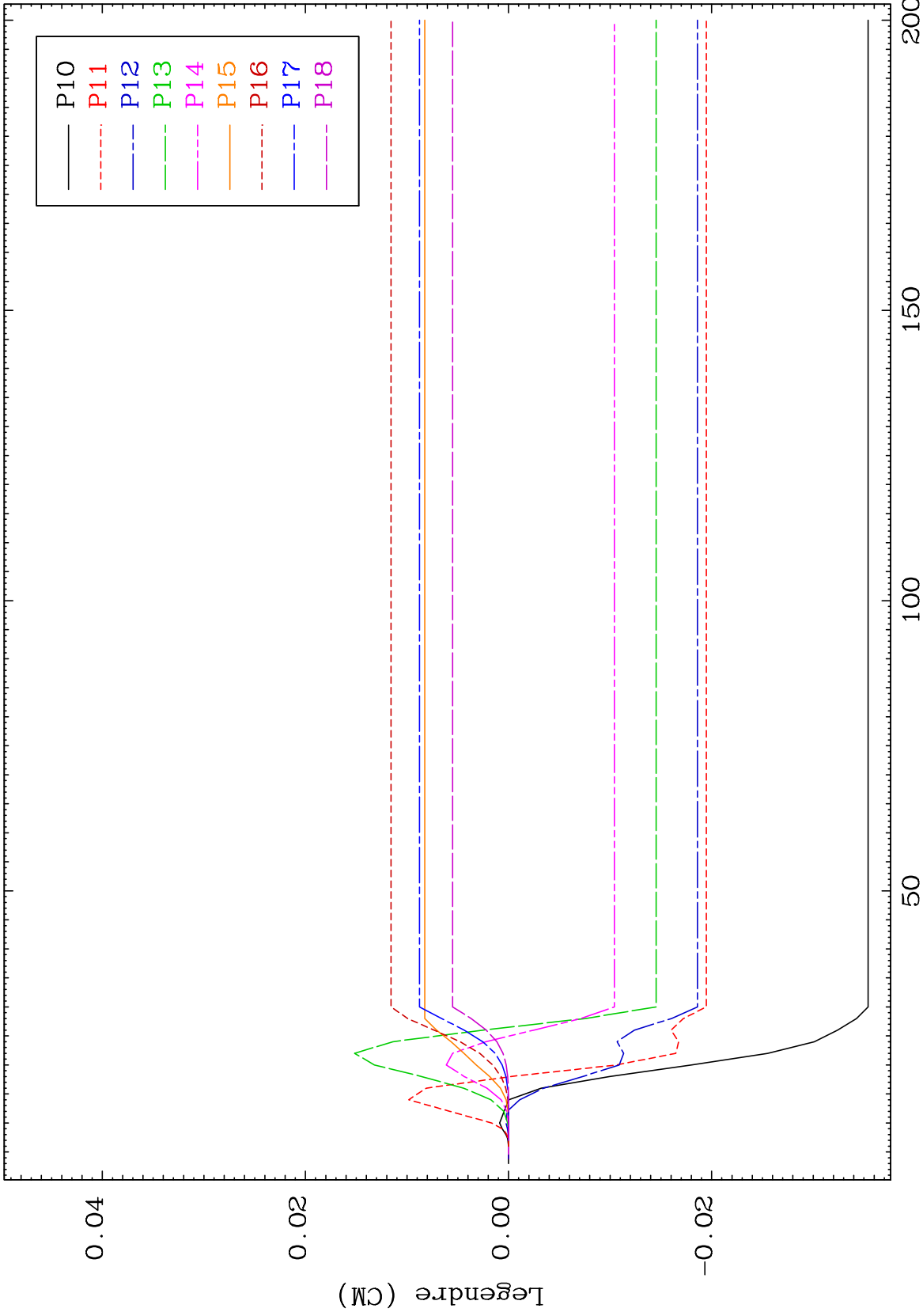


136 40-Zr-93

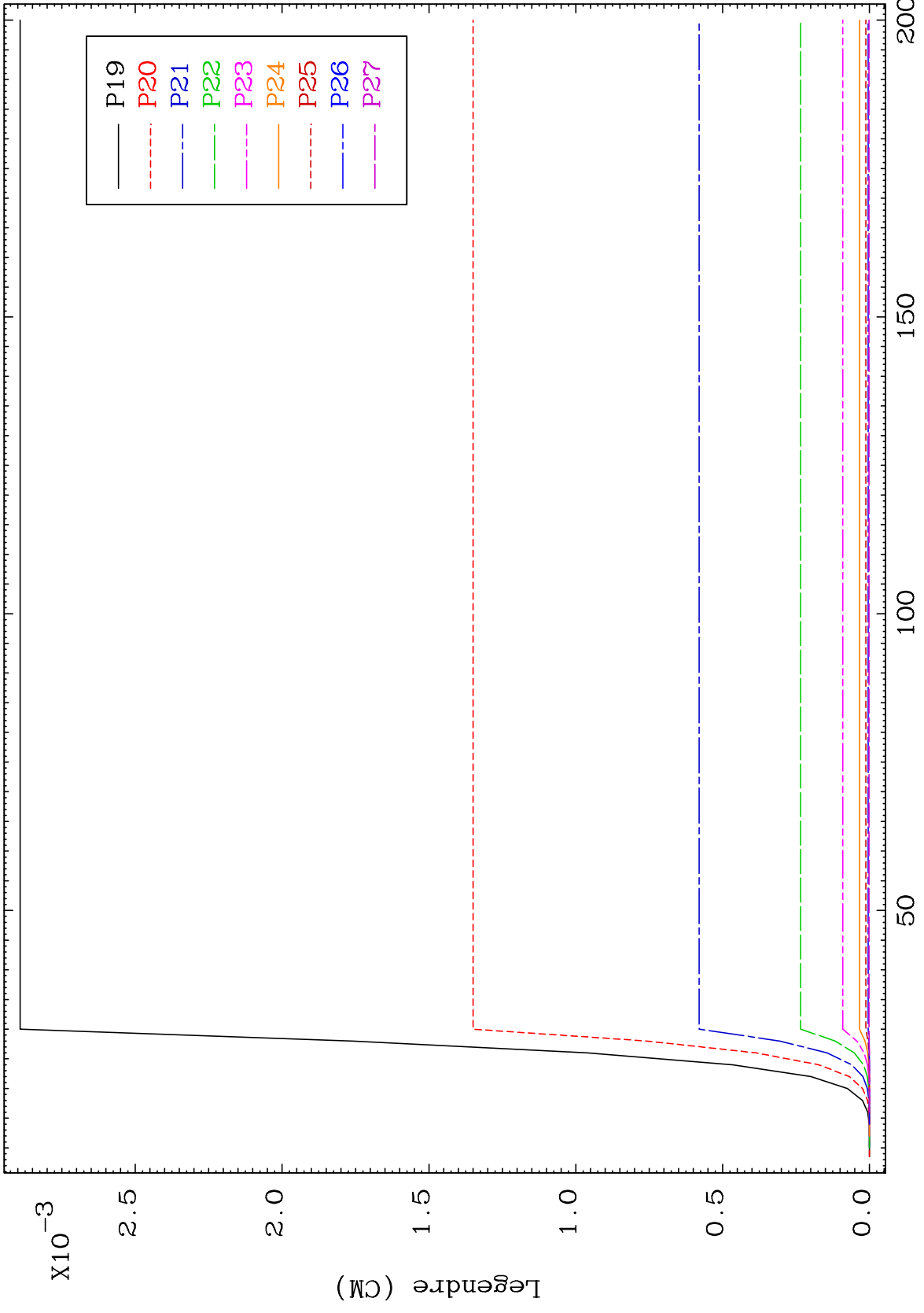
MAT 4034

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

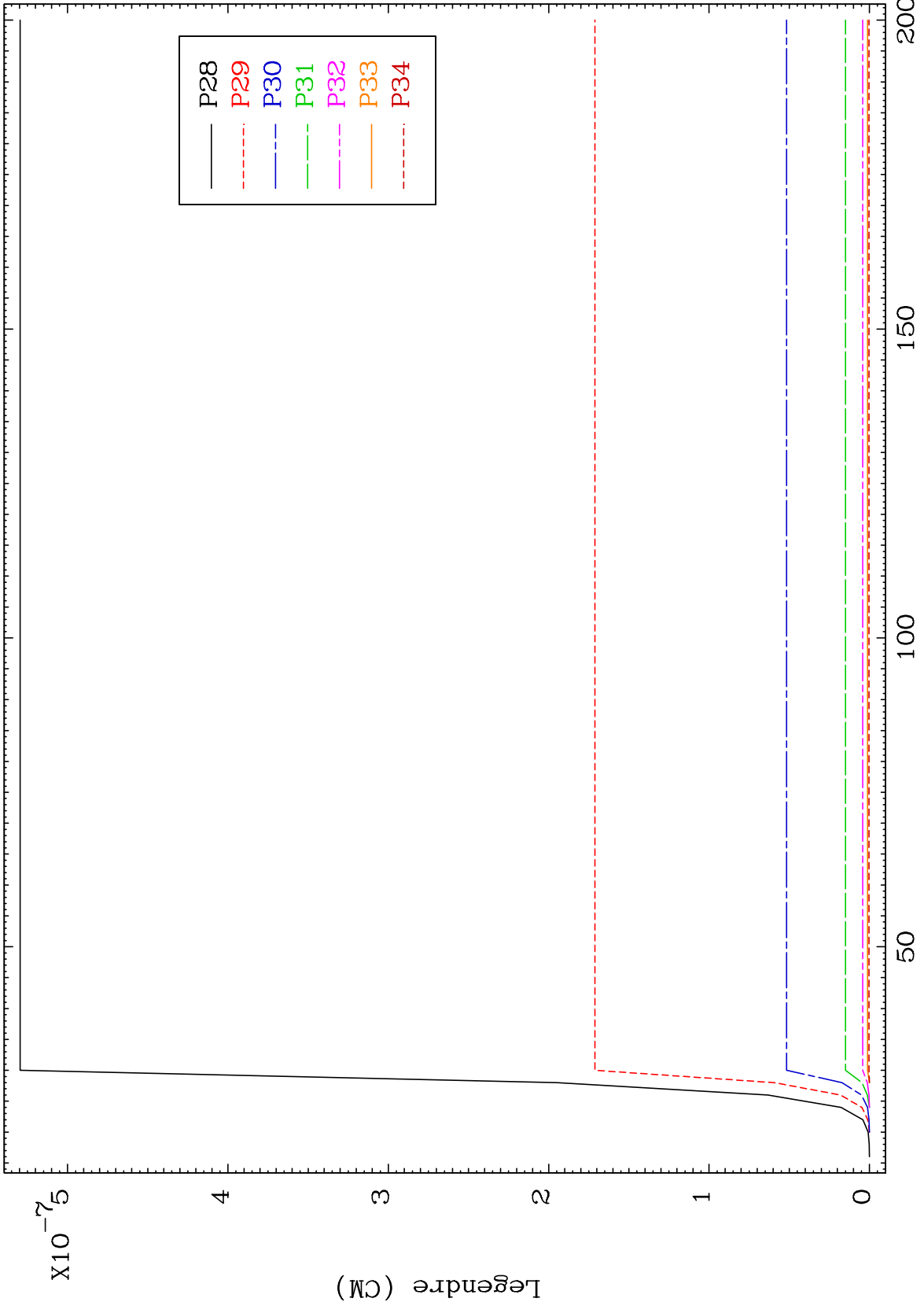
40-Zr-93



MAT 4034 MT= 80 (n,n') Level Legendre Coefficients 40-Zr-93



MAT 4034 MT= 80 (n,n') Level Legendre Coefficients 40-Zr-93



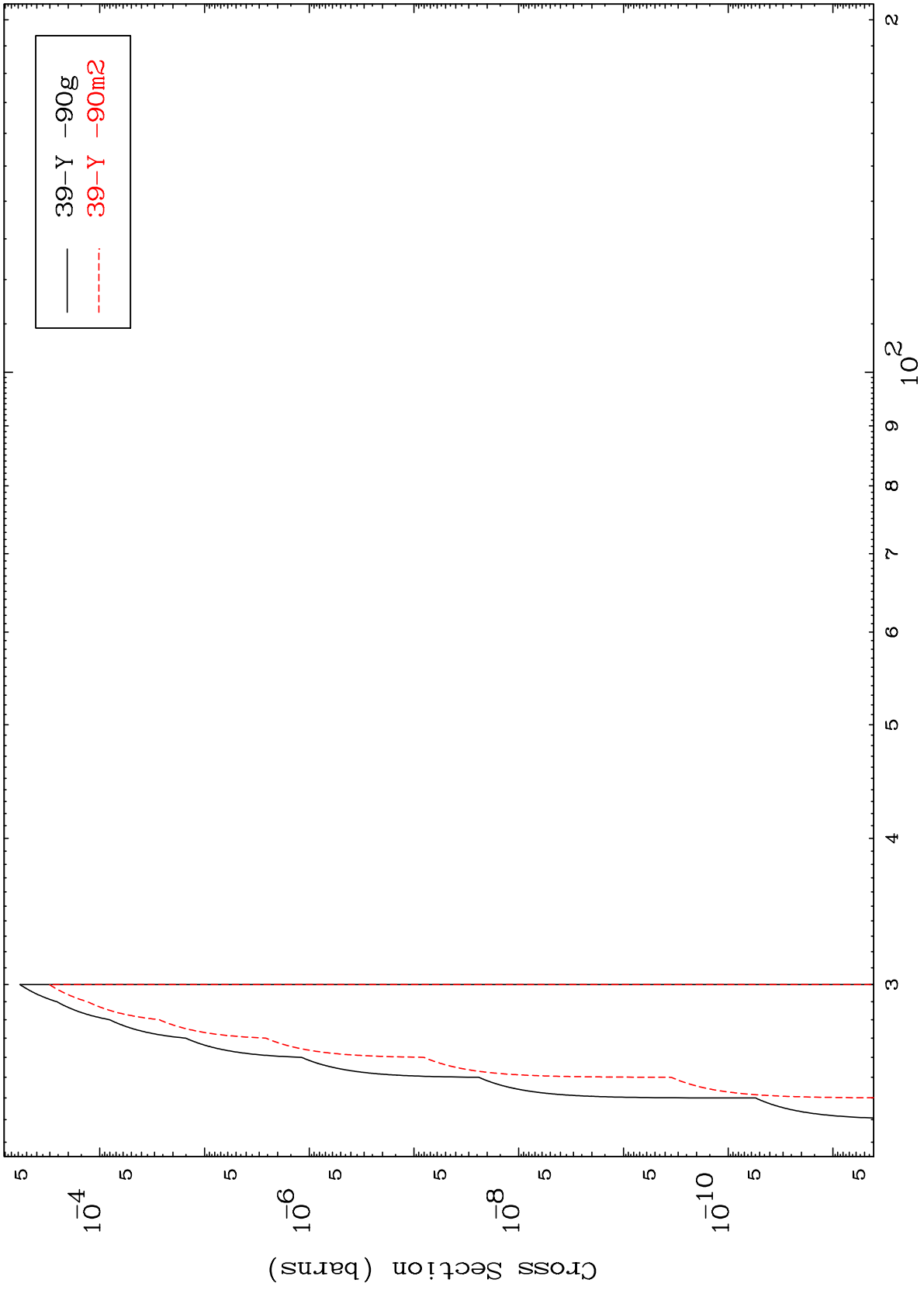
139 40-Zr-93

MAT 4034

(n,2n) d

40-Zr-93

Radionuclide Production Cross Section



140

Incident Energy (MeV)

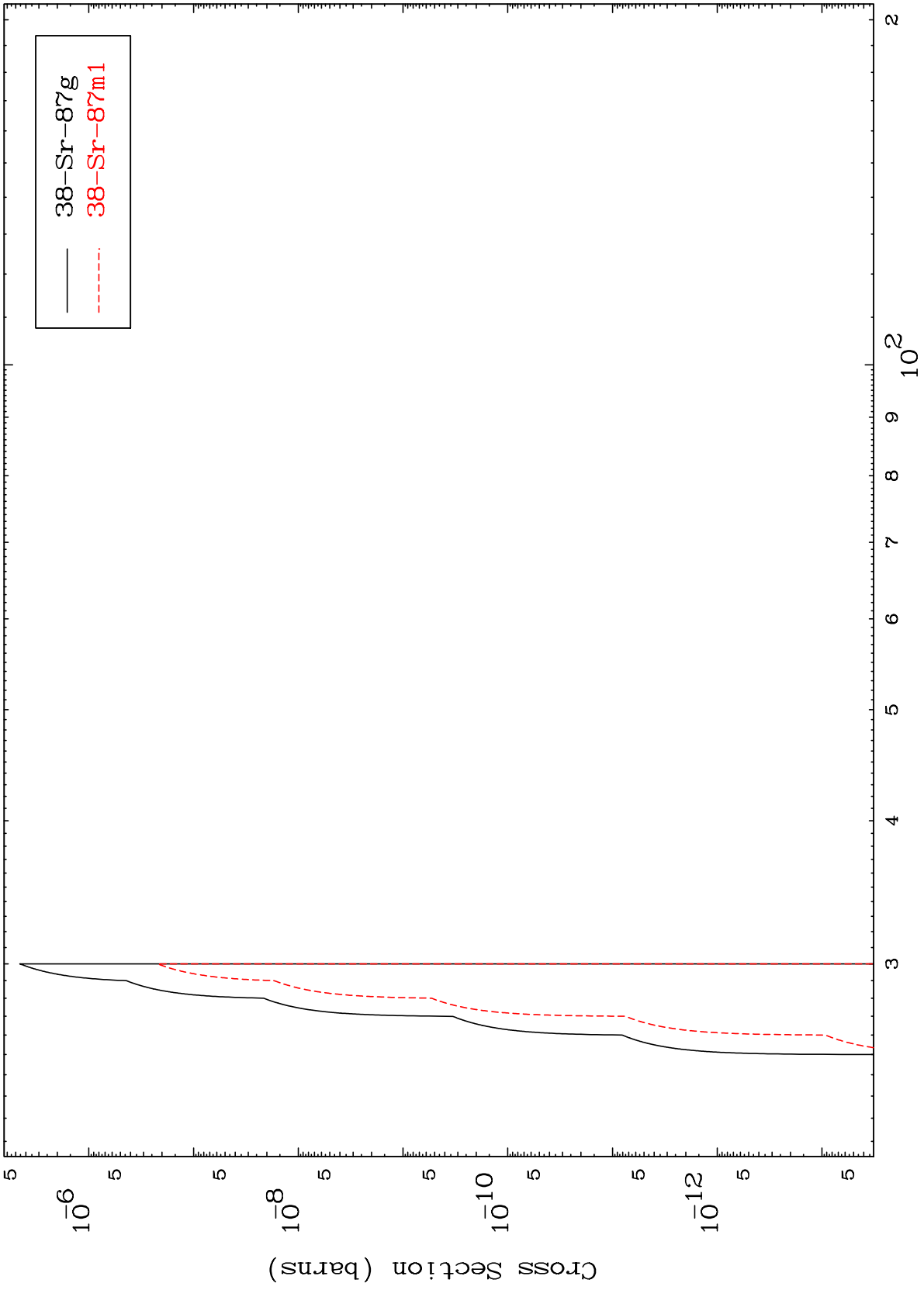
40-Zr-93

MAT 4034

(n,3n)  $\alpha$

40-Zr-93

Radionuclide Production Cross Section



141

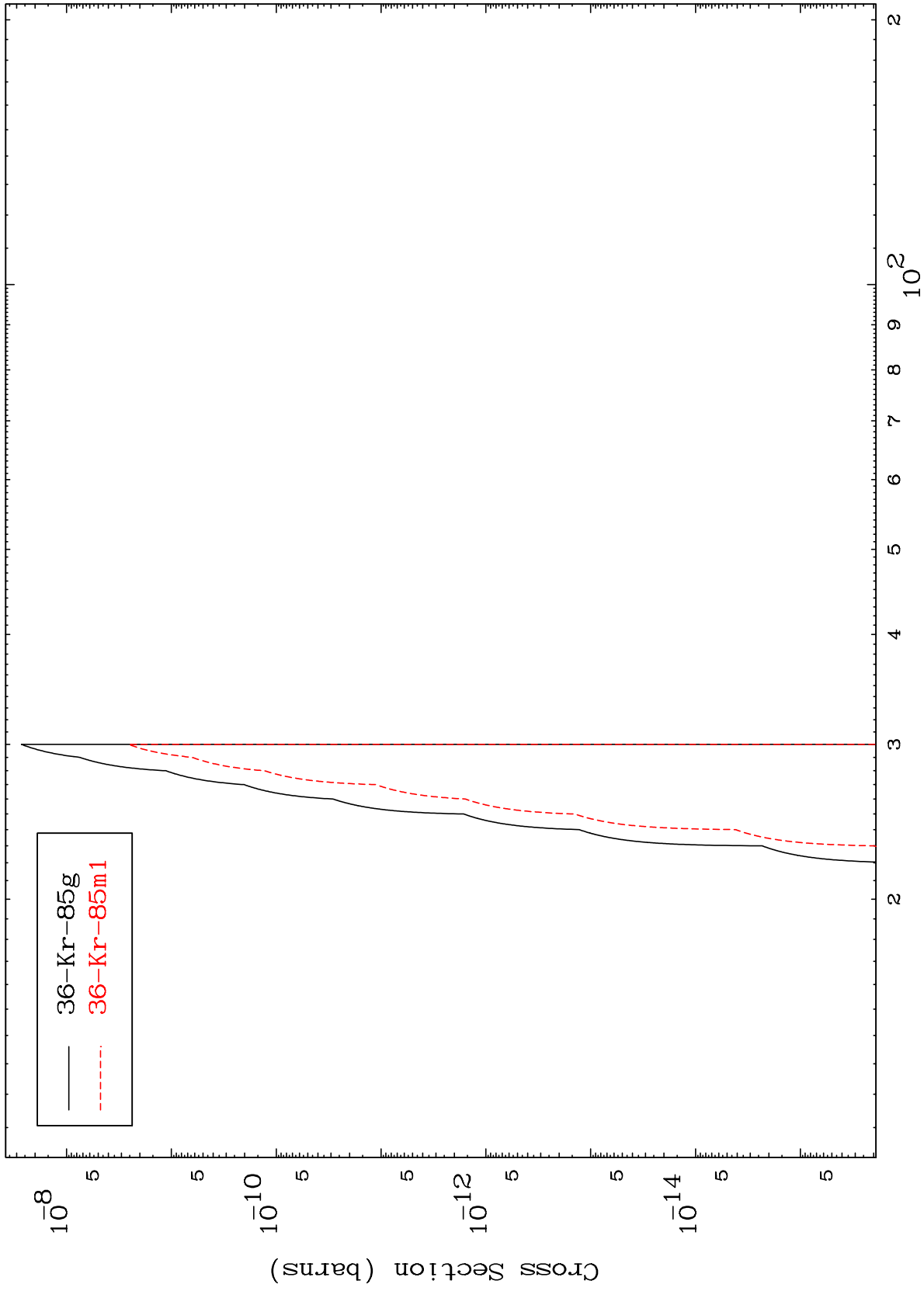
Incident Energy (MeV)

40-Zr-93

MAT 4034

40-Zr-93

(n,n') 2α  
Radionuclide Production Cross Section



142

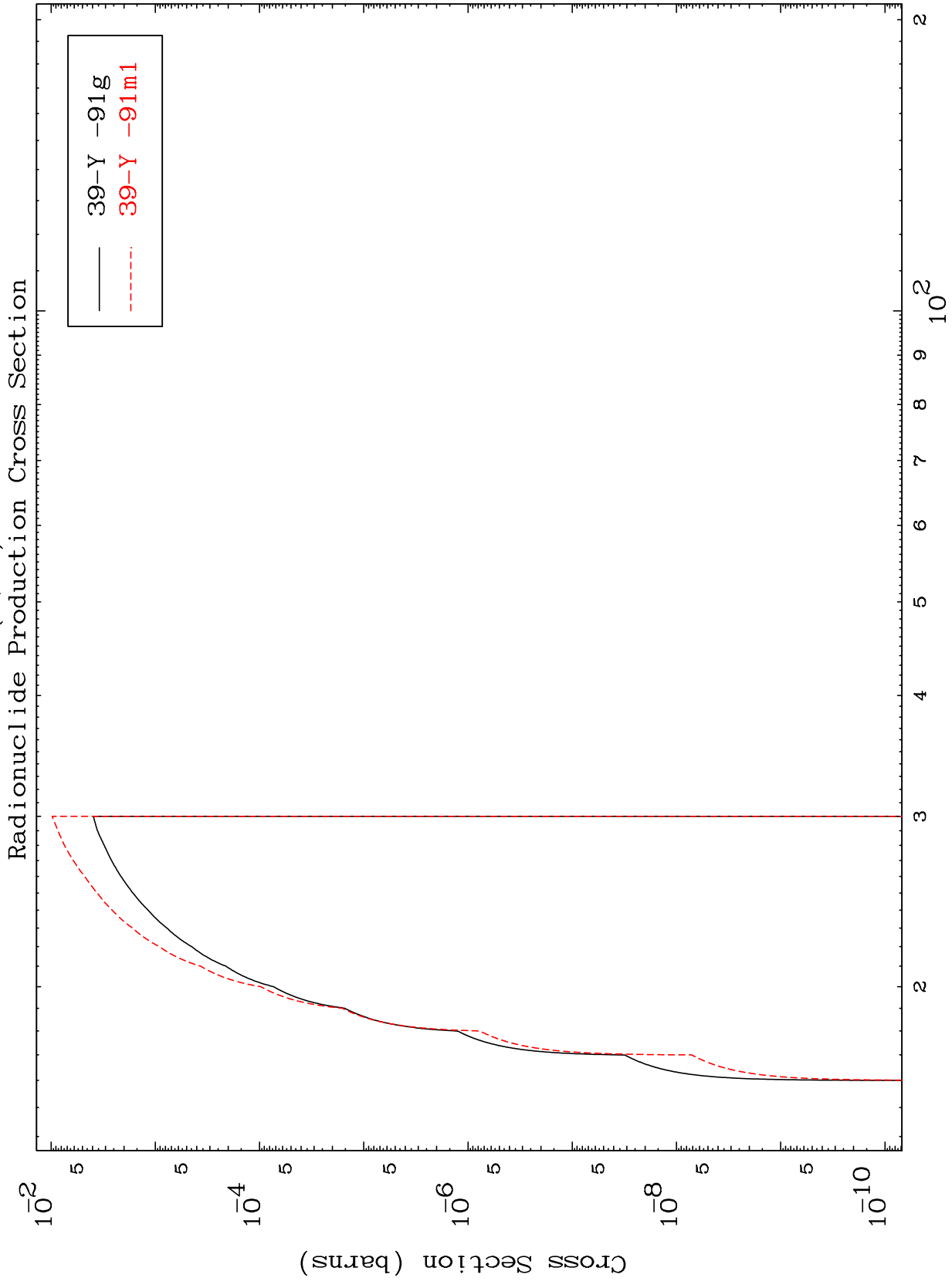
40-Zr-93

Incident Energy (MeV)

MAT 4034

(n,n') d

40-Zr-93



143

40-Zr-93

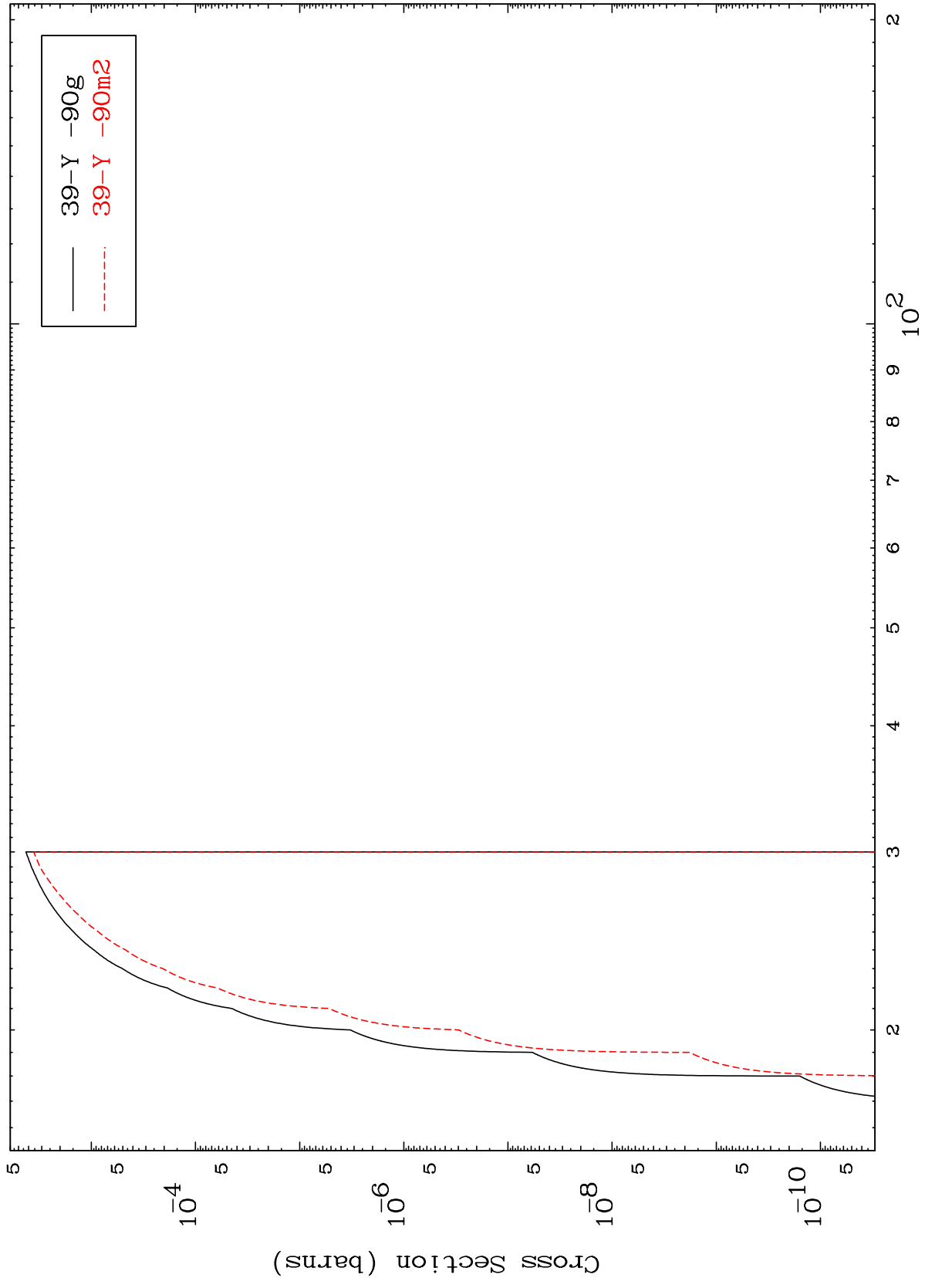


MAT 4034

(n,n') t

40-Zr-93

Radionuclide Production Cross Section

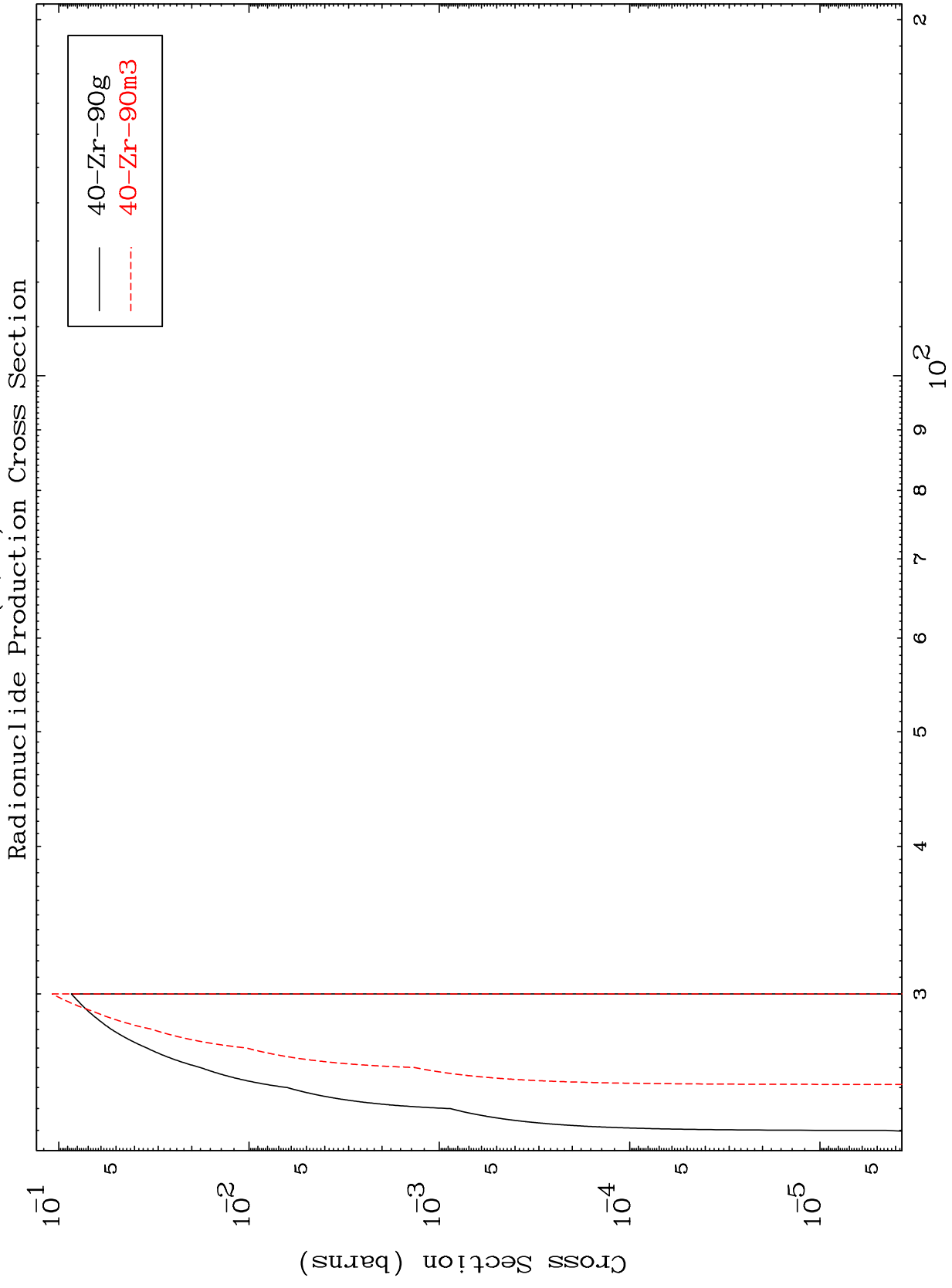


144

Incident Energy (MeV)

40-Zr-93

MAT 4034 (n,4n) 40-Zr-93



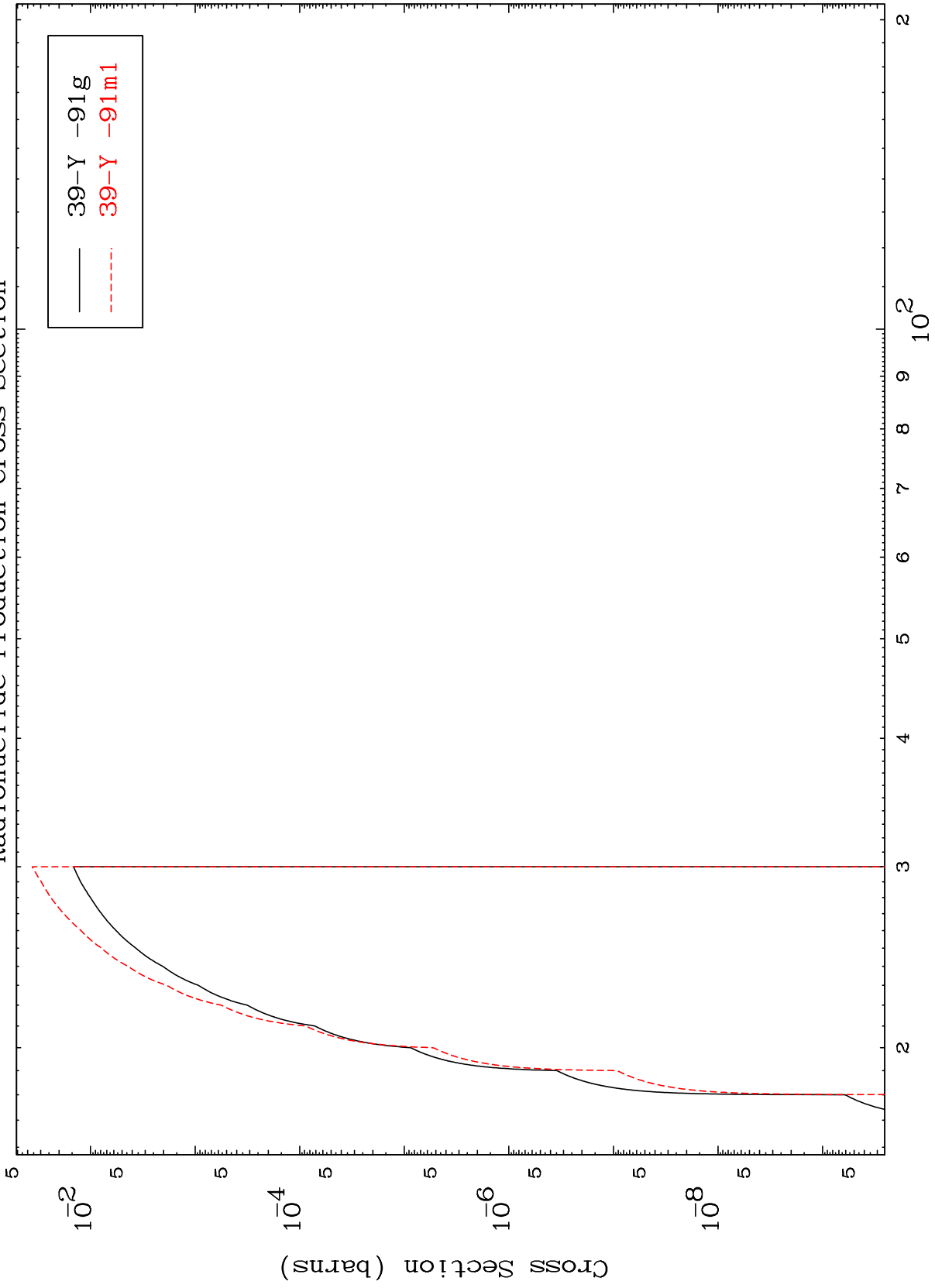
145 40-Zr-93

MAT 4034

(n,2n) p

40-Zr-93

Radionuclide Production Cross Section



146

Incident Energy (MeV)

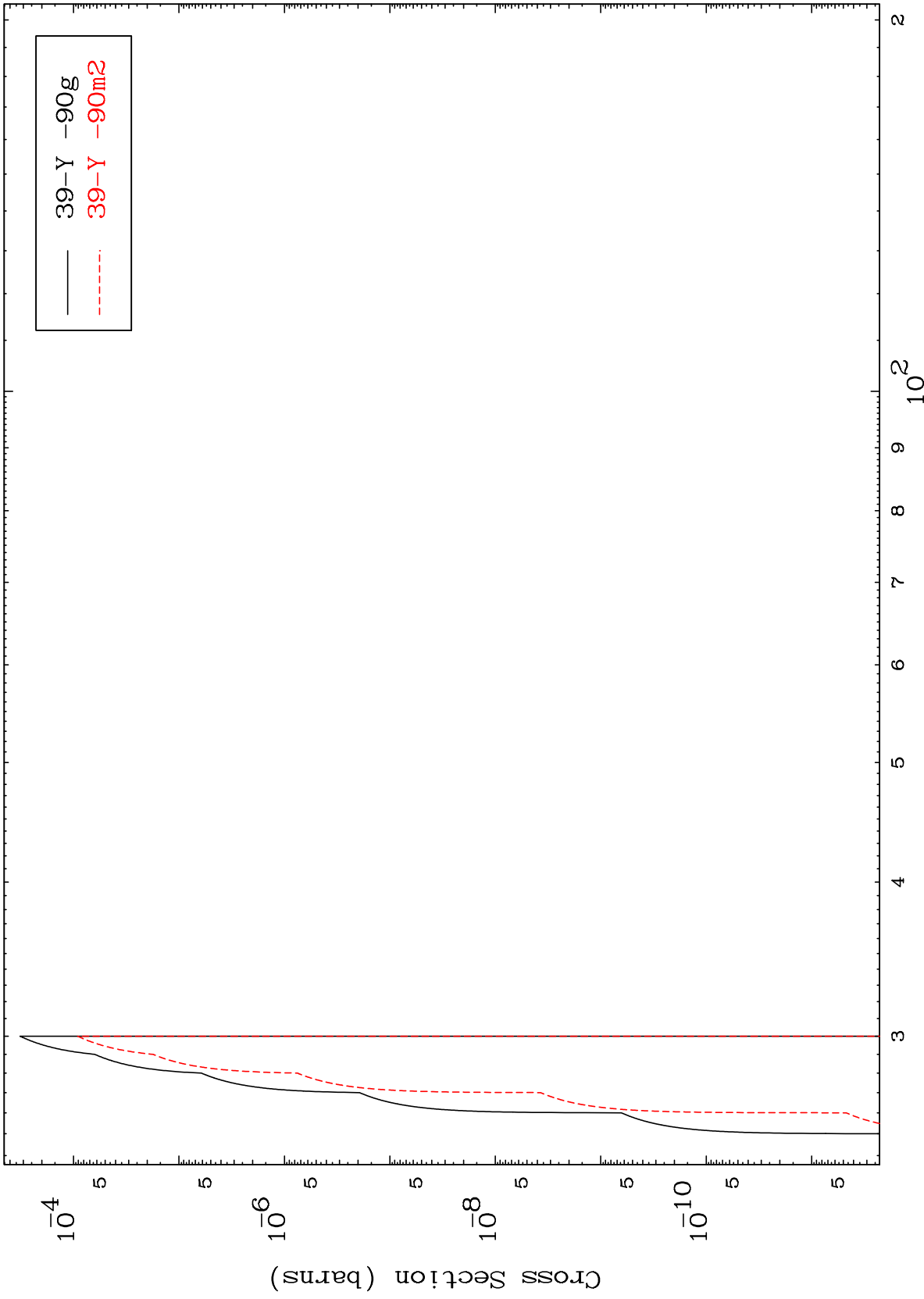
40-Zr-93

MAT 4034

(n,3n) p

40-Zr-93

Radionuclide Production Cross Section



39-Y -90g  
39-Y -90m2

147

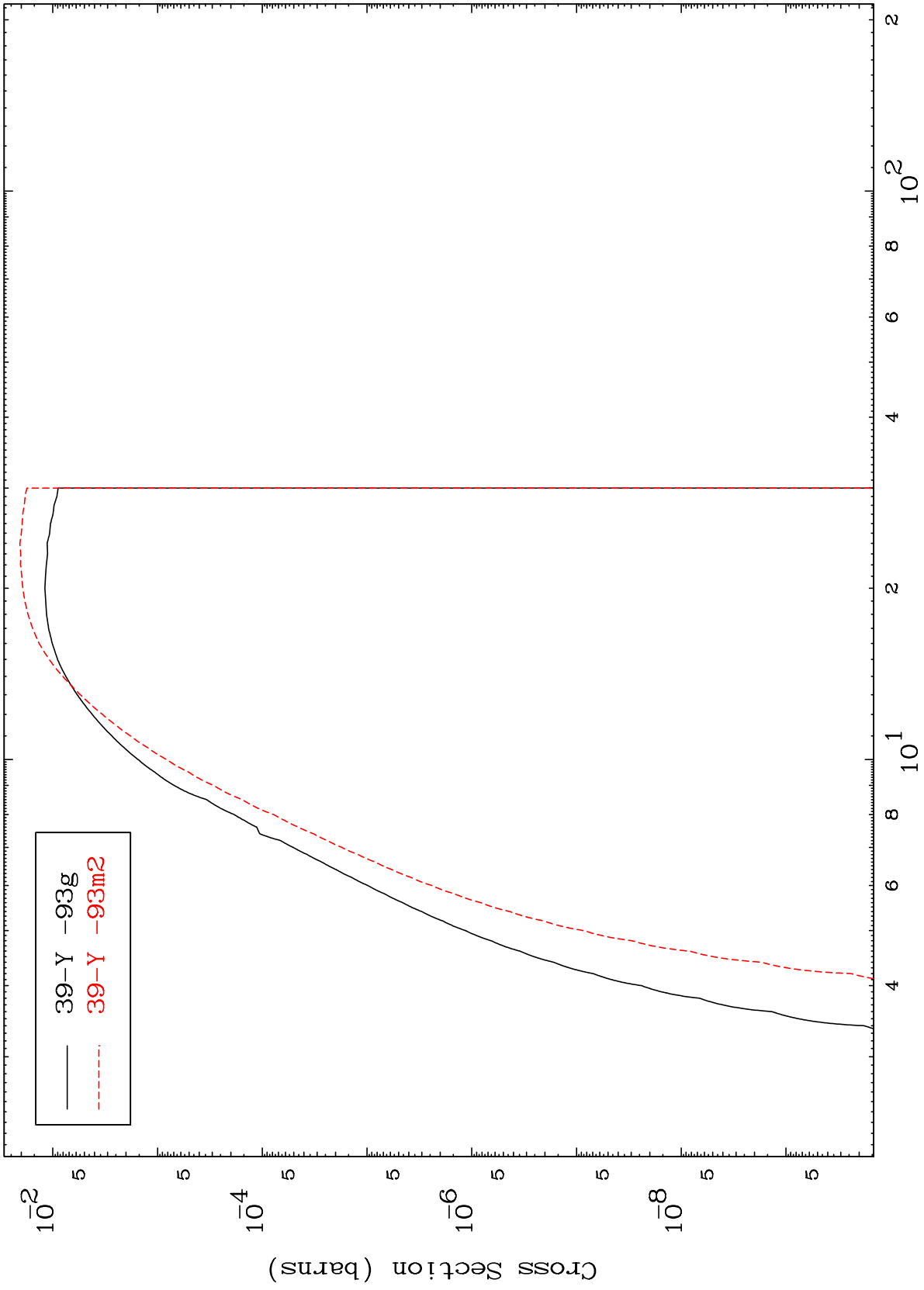
Incident Energy (MeV)

40-Zr-93

MAT 4034

40-Zr-93

Radionuclide Production Cross Section (n,p)



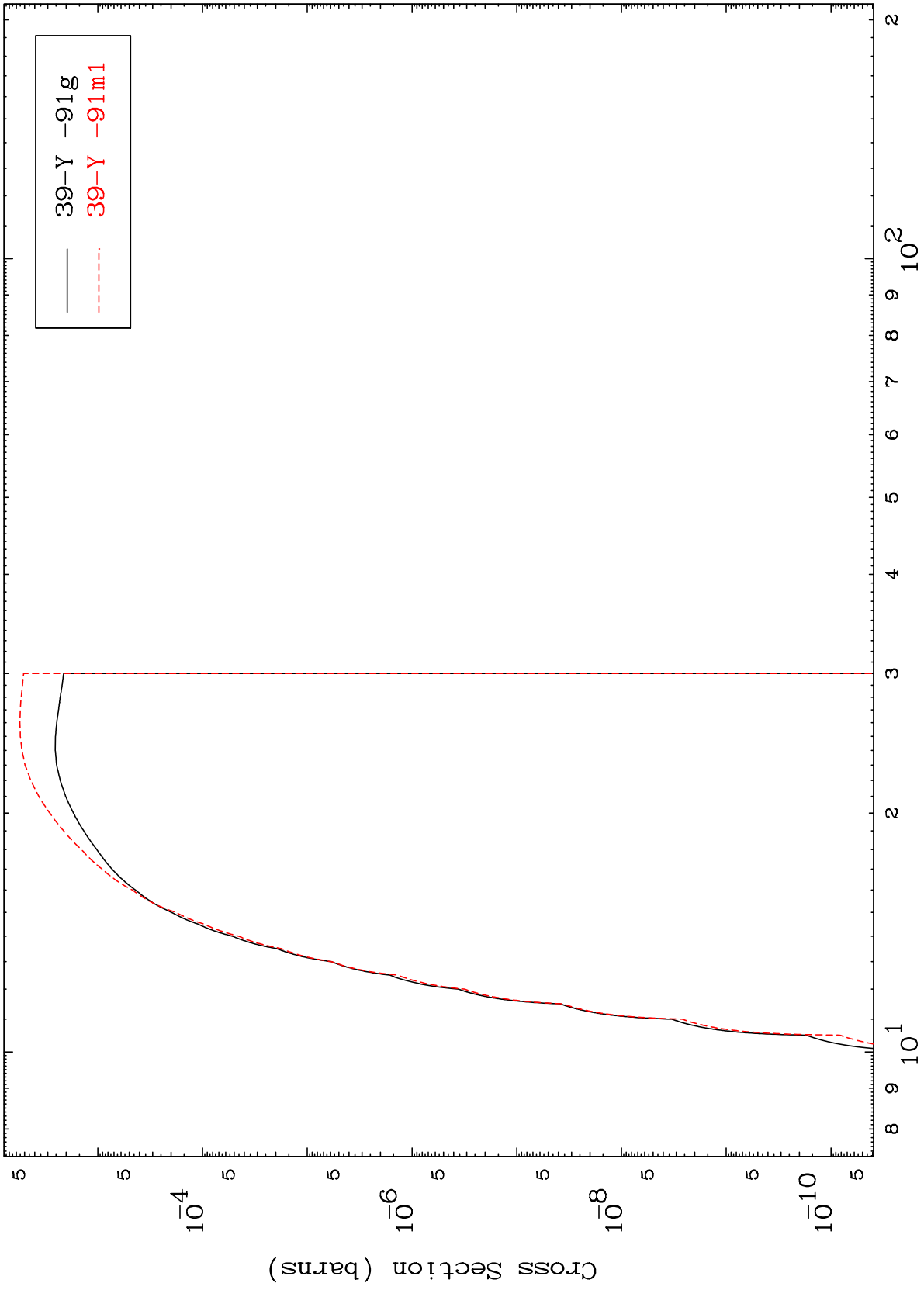
148

40-Zr-93

MAT 4034

40-Zr-93

(n, t)  
Radionuclide Production Cross Section



149

Incident Energy (MeV)

40-Zr-93