

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

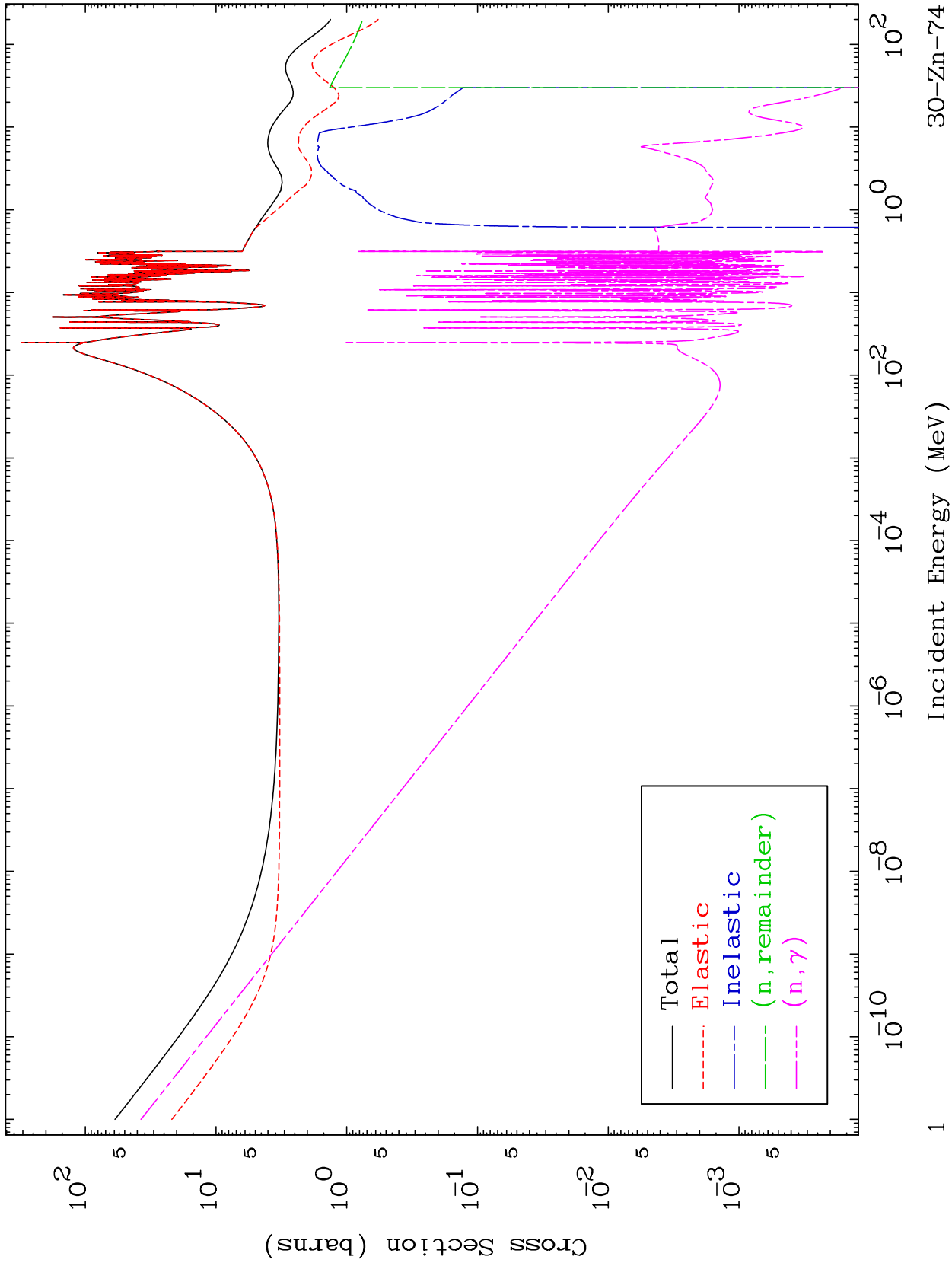
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3055

Major
293 Kelvin Cross Sections

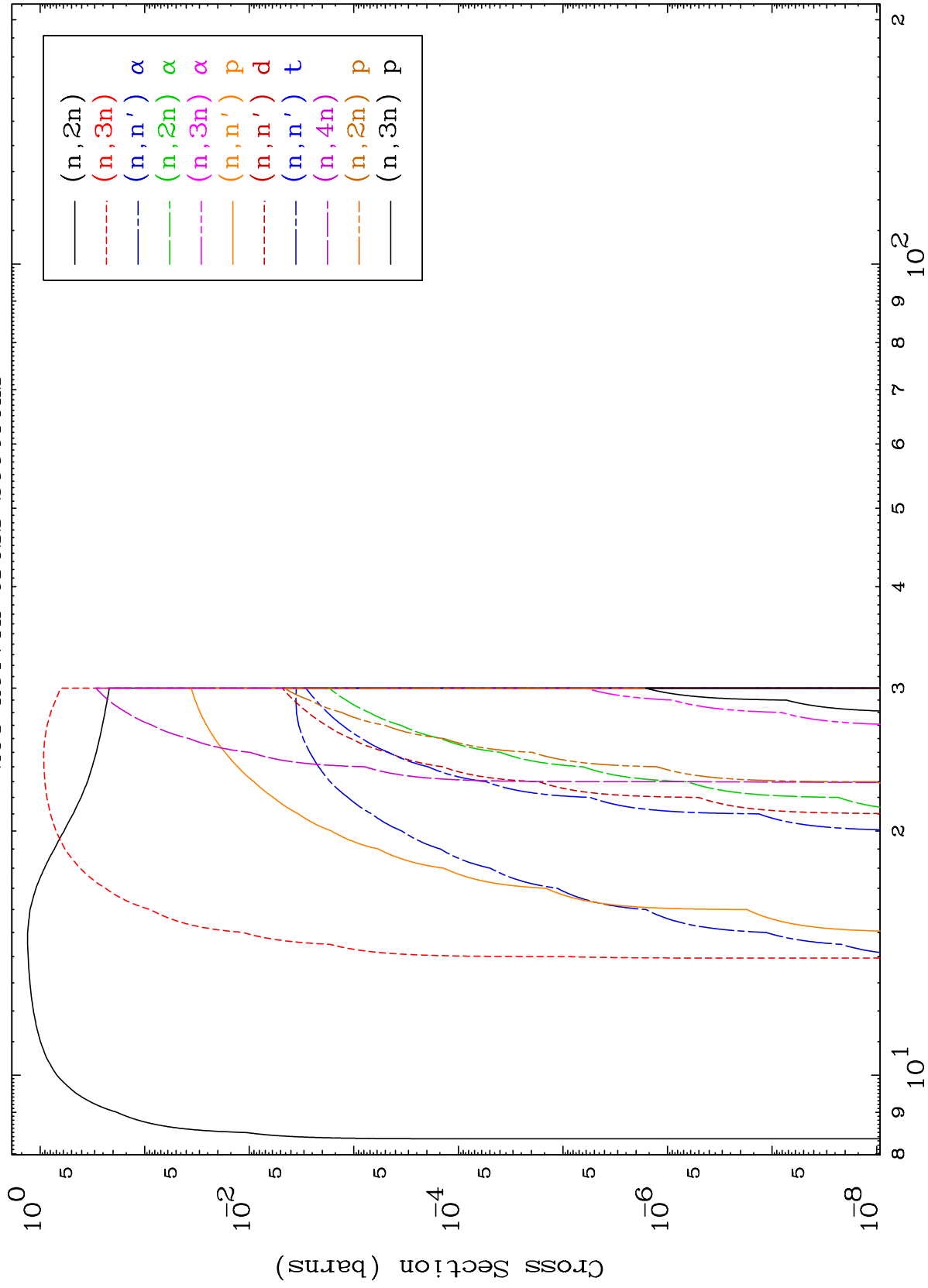
30-Zn-74



MAT 3055

Neutron Production
293 Kelvin Cross Sections

30-Zn-74



2

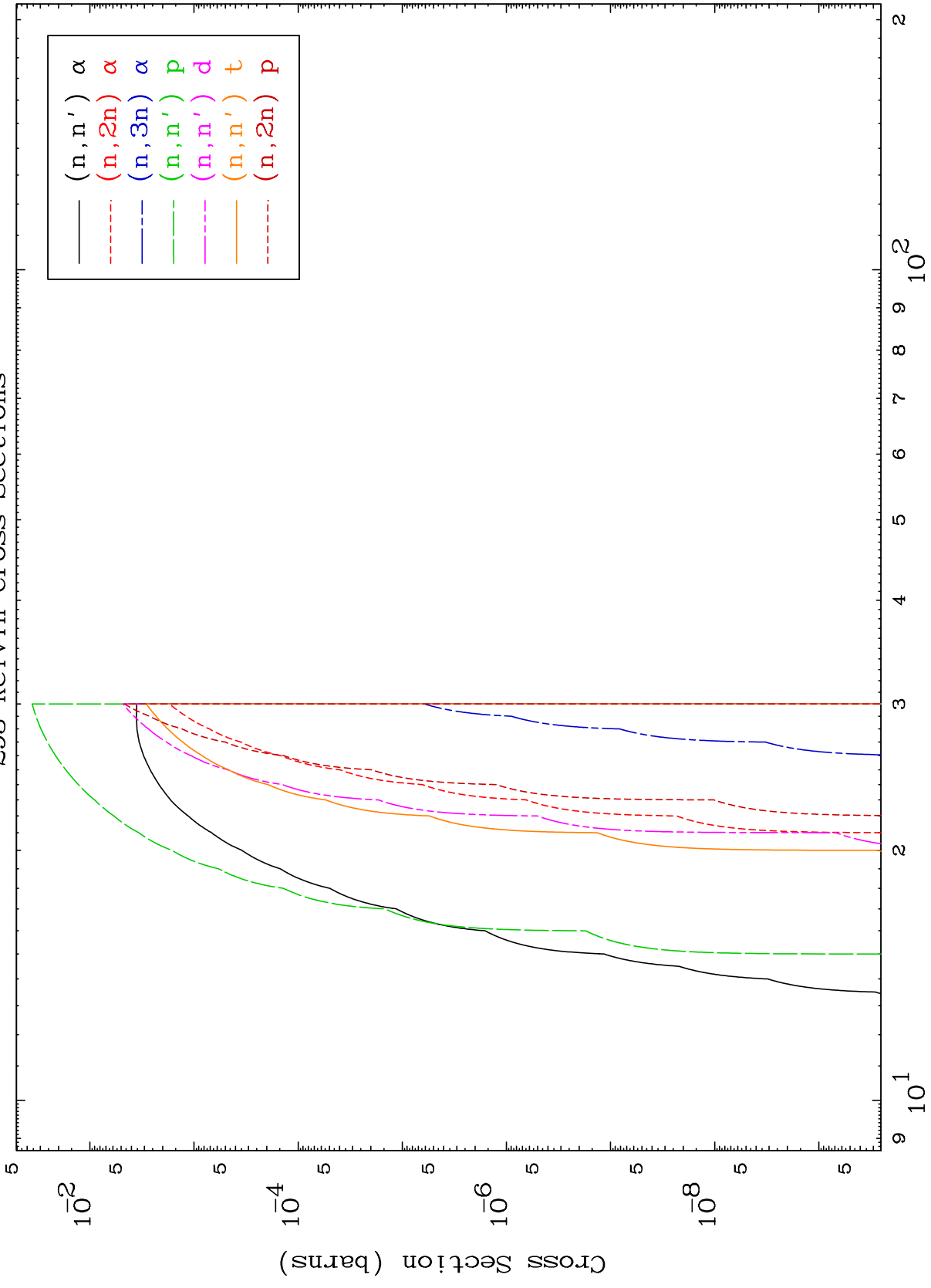
Incident Energy (MeV)

30-Zn-74

MAT 3055

Charged Particle
293 Kelvin Cross Sections

30-Zn-74



30-Zn-74

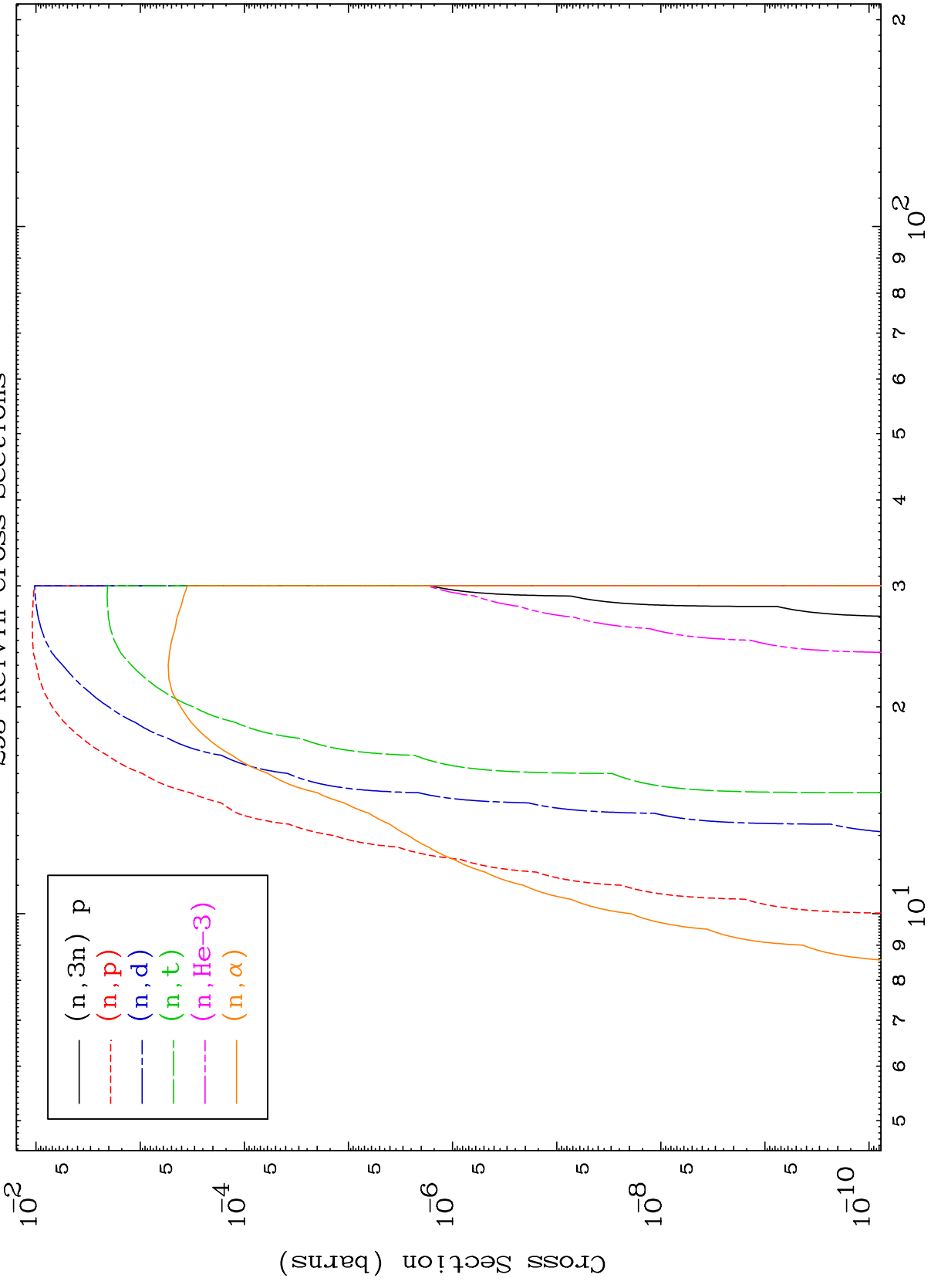
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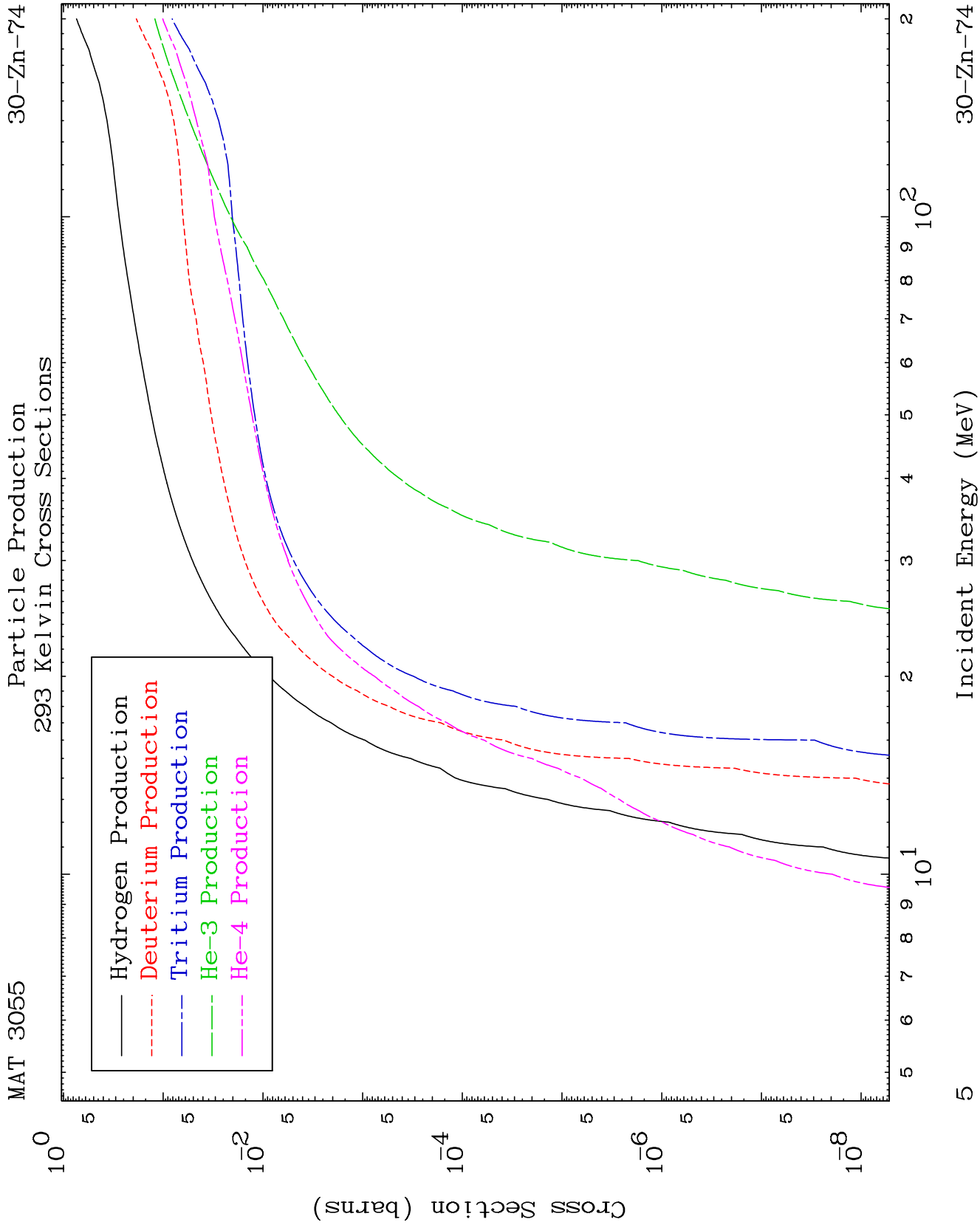
3

MAT 3055

Charged Particle
293 Kelvin Cross Sections

30-Zn-74



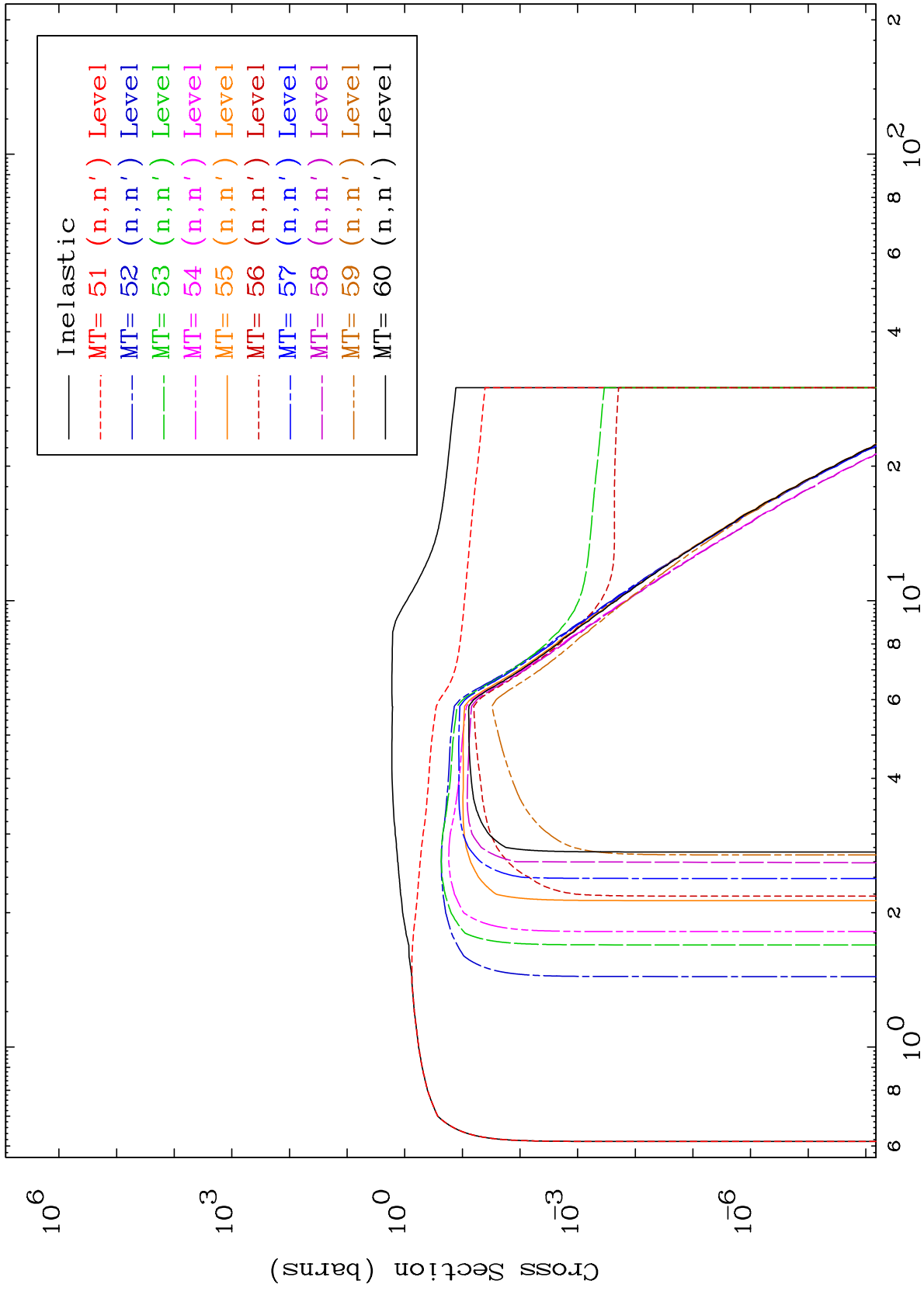


MAT 3055

(n,n') Level

30-Zn-74

293 Kelvin Cross Sections



6

Incident Energy (MeV)

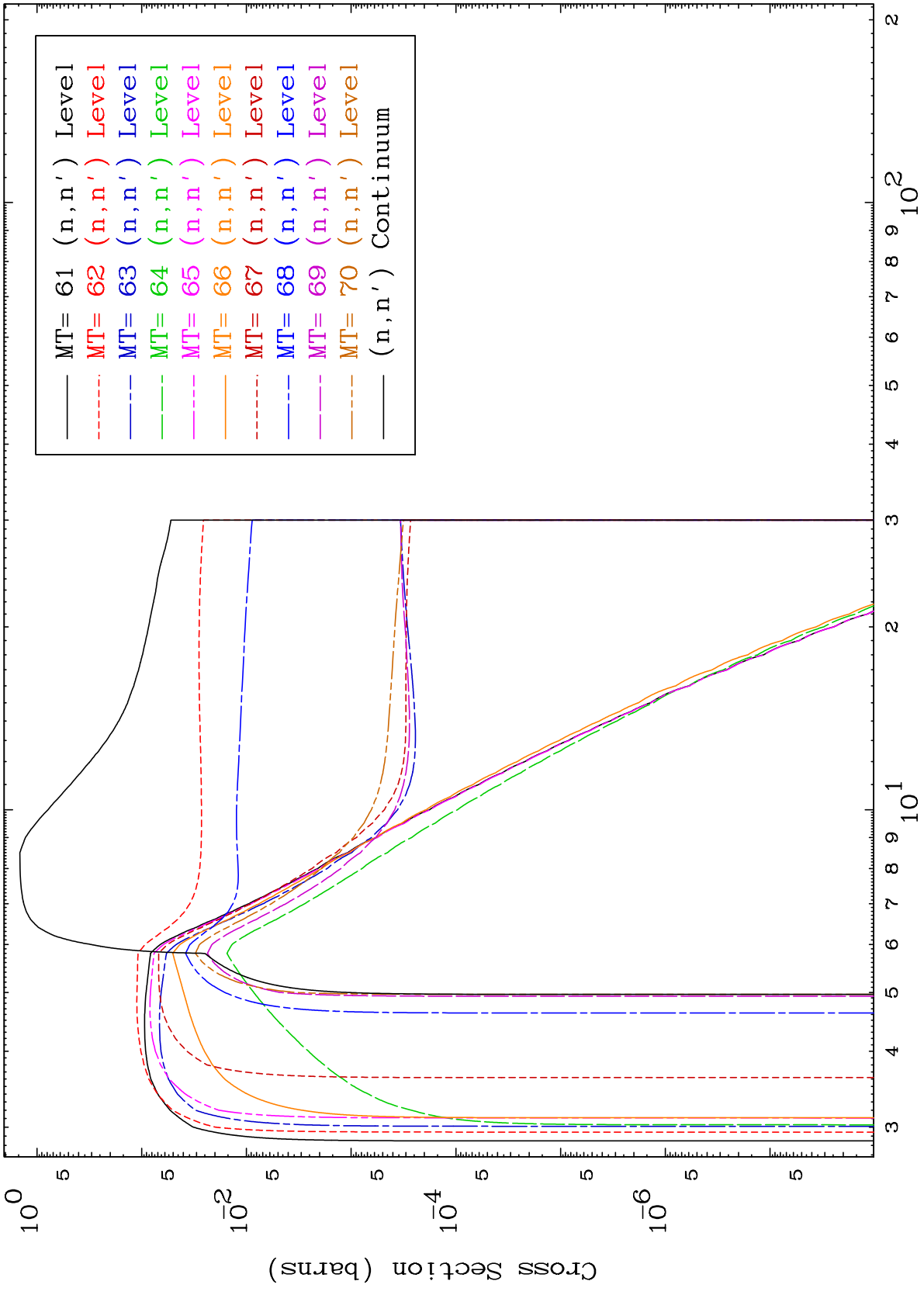
30-Zn-74

MAT 3055

(n,n') Level

30-Zn-74

293 Kelvin Cross Sections



7

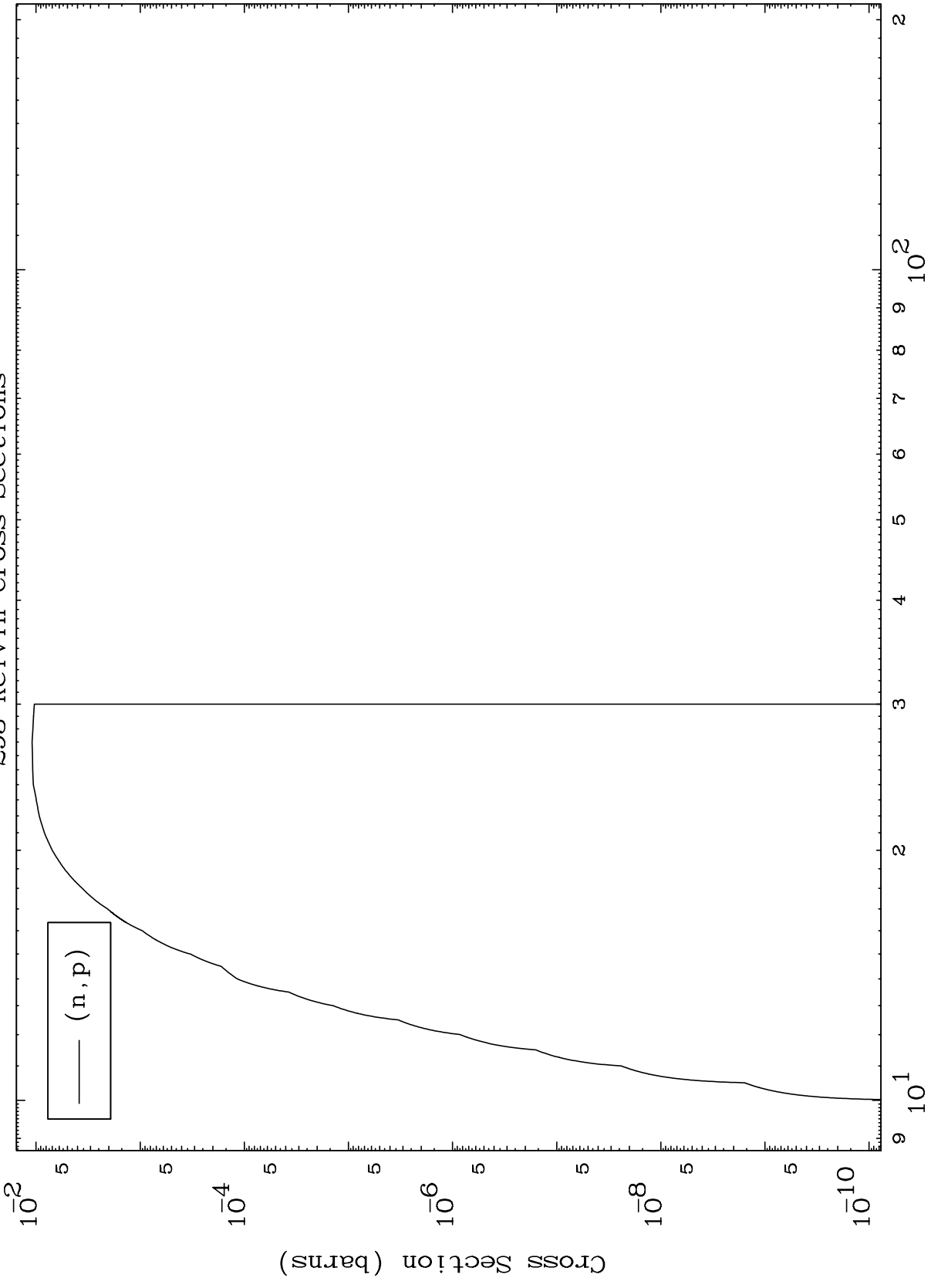
Incident Energy (MeV)

30-Zn-74

MAT 3055

(n,p) Levels
293 Kelvin Cross Sections

30-Zn-74



8

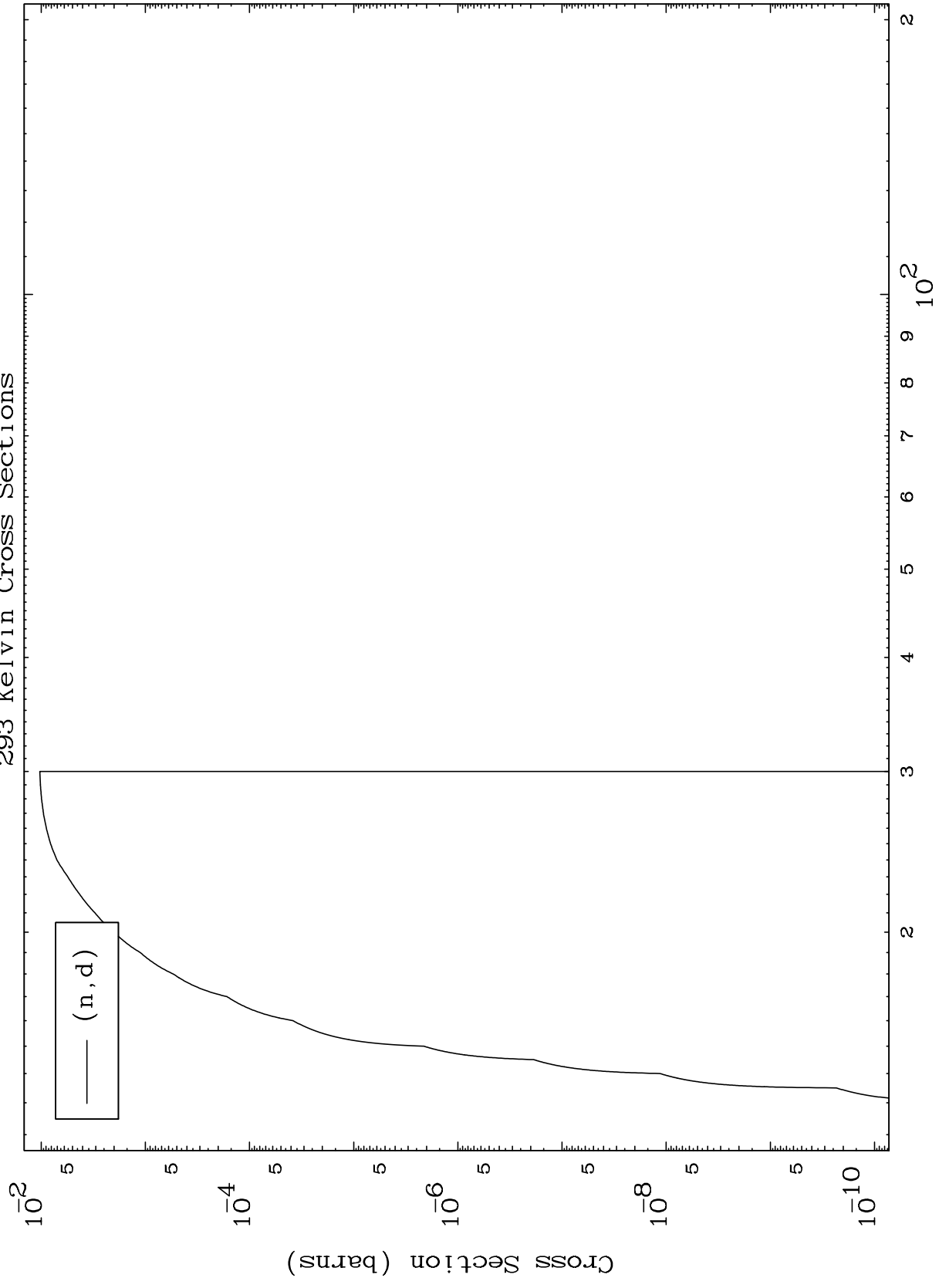
Incident Energy (MeV)

30-Zn-74

MAT 3055

(n,d) Levels
293 Kelvin Cross Sections

30-Zn-74



9

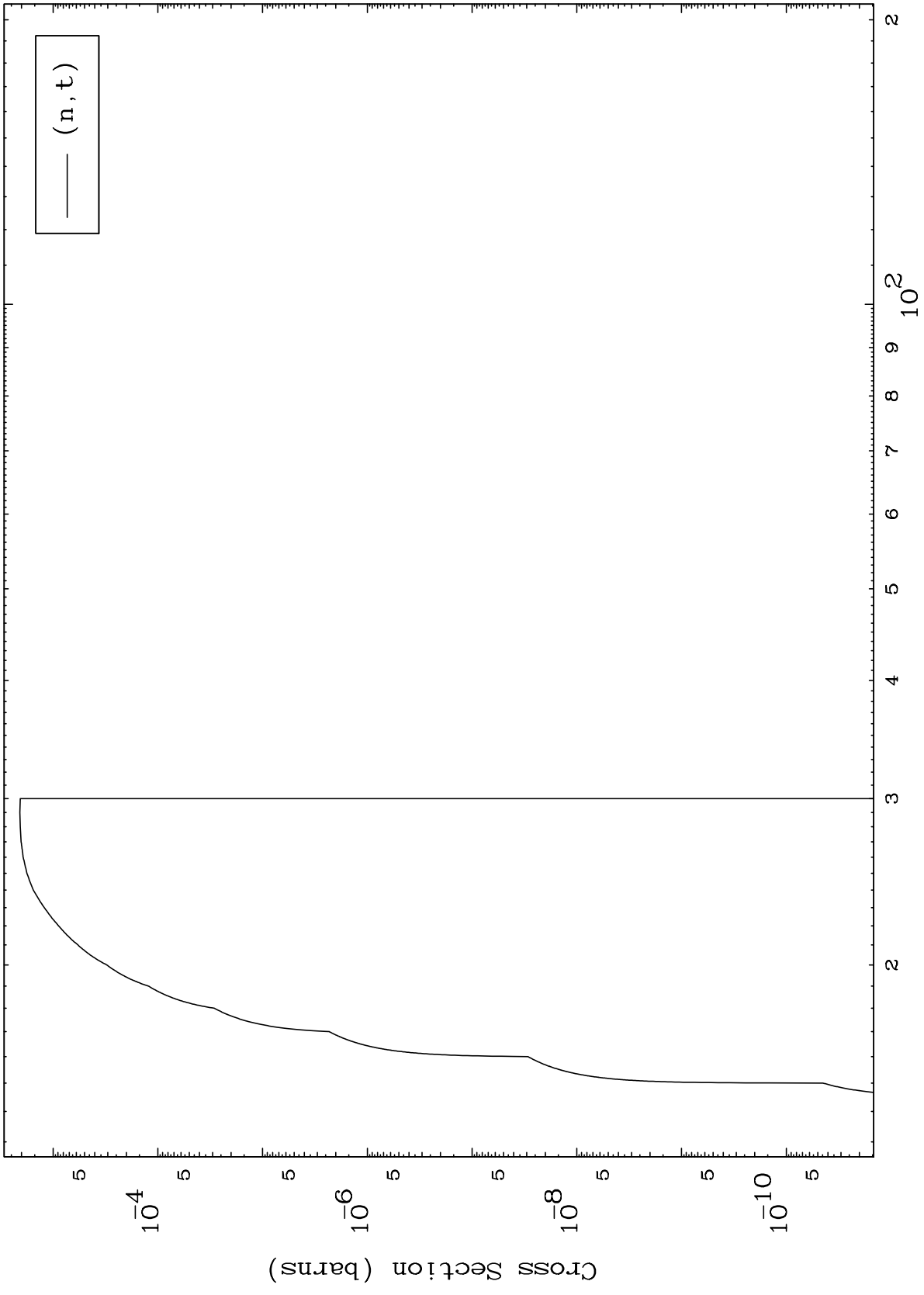
Incident Energy (MeV)

30-Zn-74

MAT 3055

(n,t) Levels
293 Kelvin Cross Sections

30-Zn-74



10

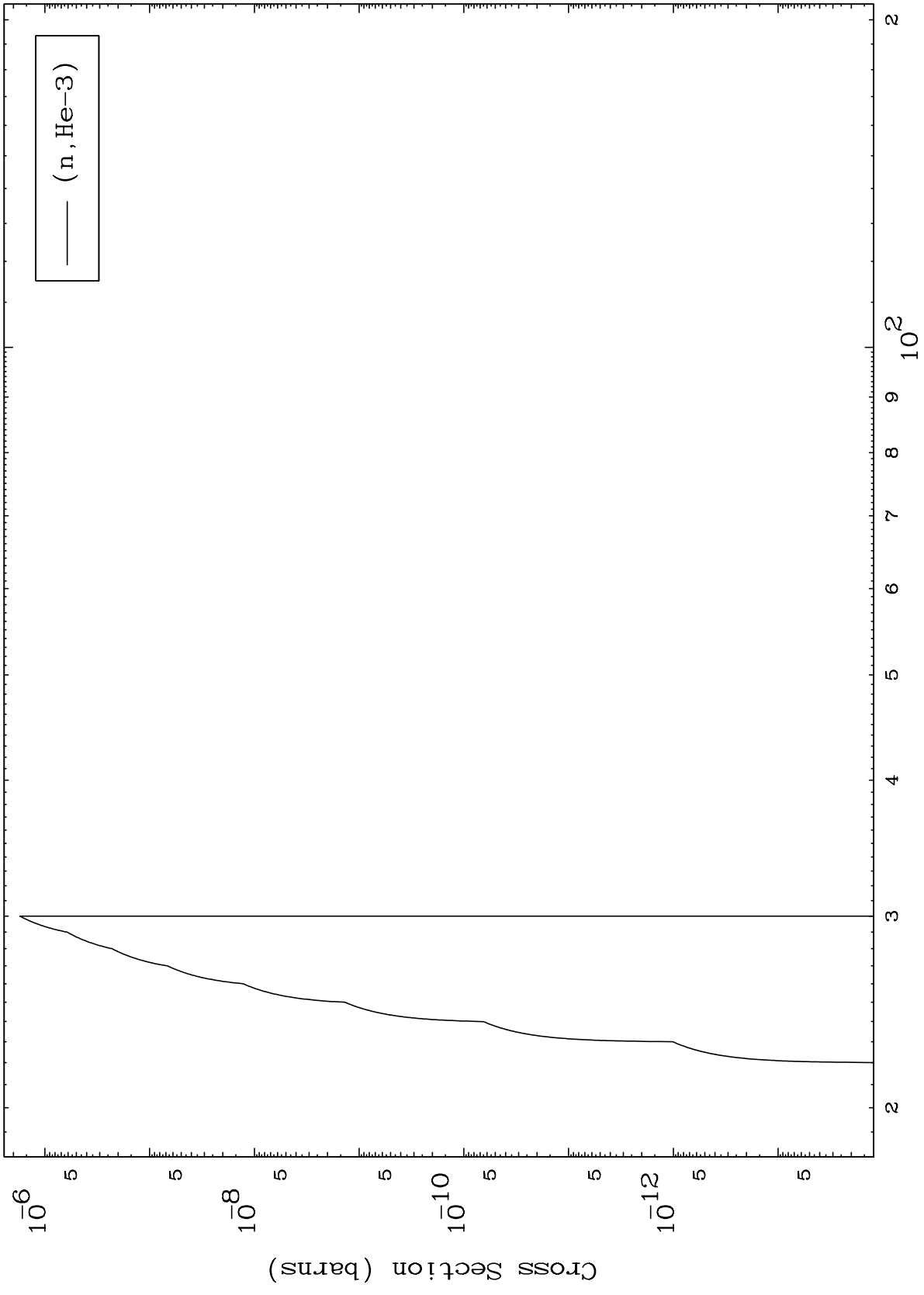
Incident Energy (MeV)

30-Zn-74

MAT 3055

(n,He3) Levels
293 Kelvin Cross Sections

30-Zn-74



11

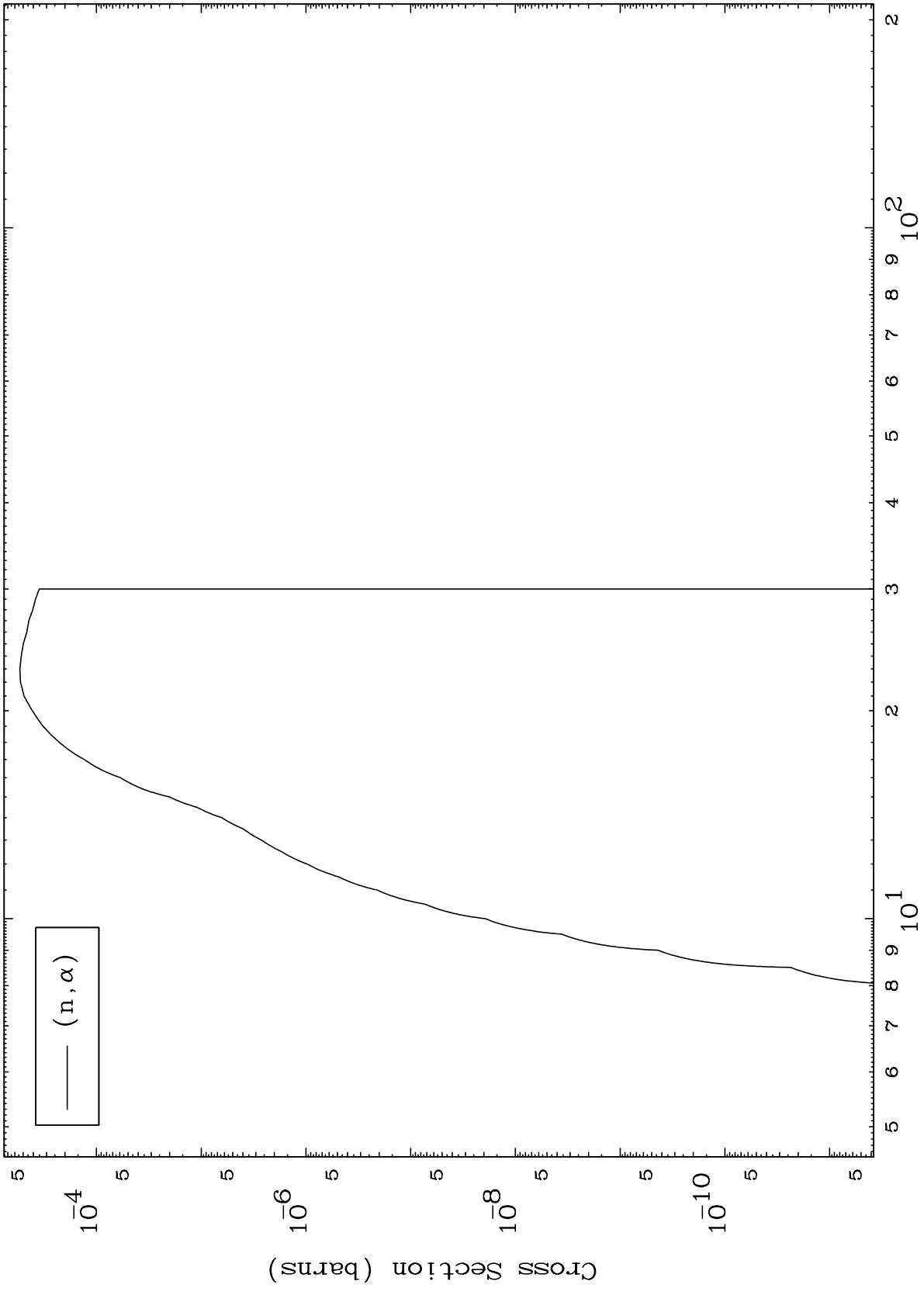
Incident Energy (MeV)

30-Zn-74

MAT 3055

(n,α) Levels
293 Kelvin Cross Sections

30-Zn-74

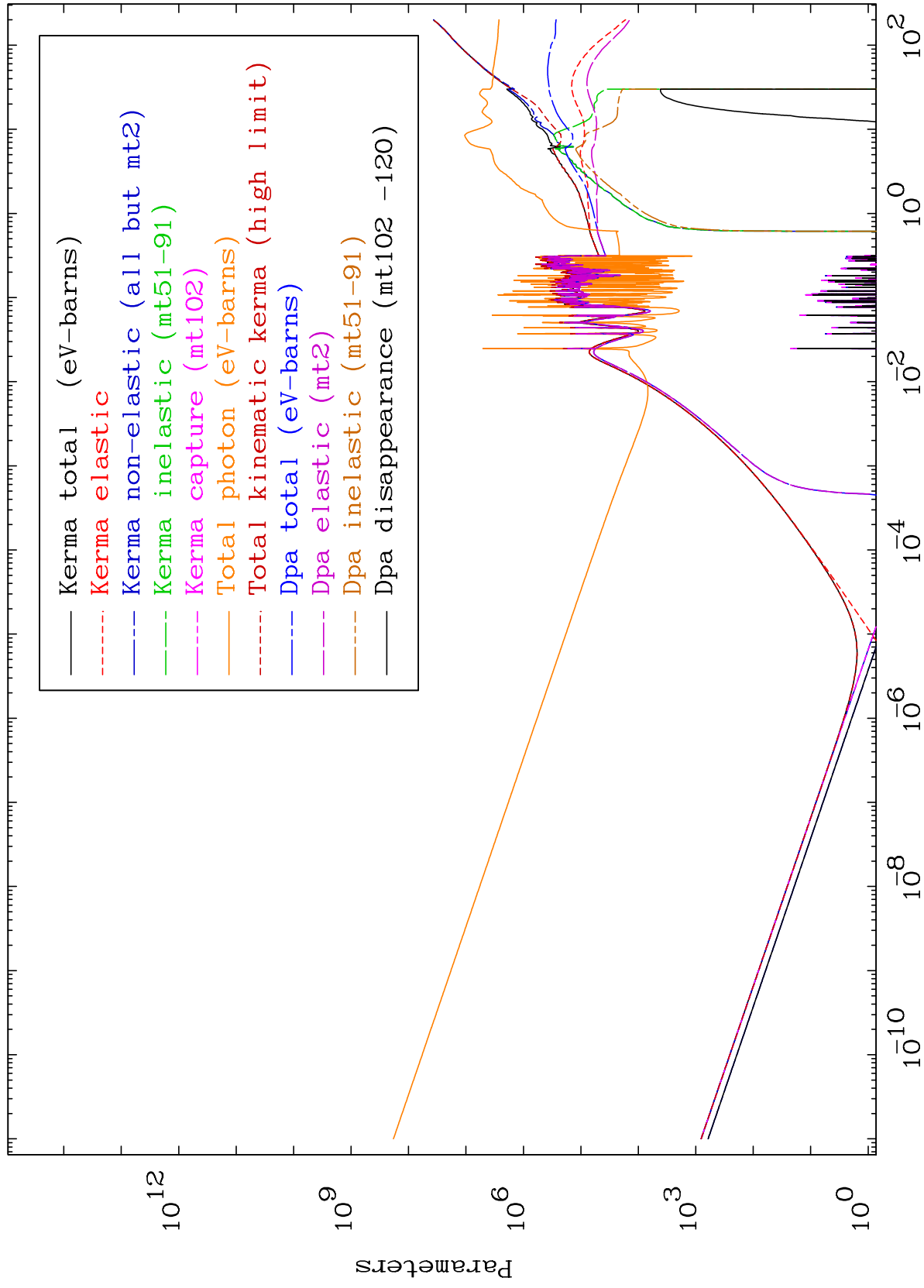


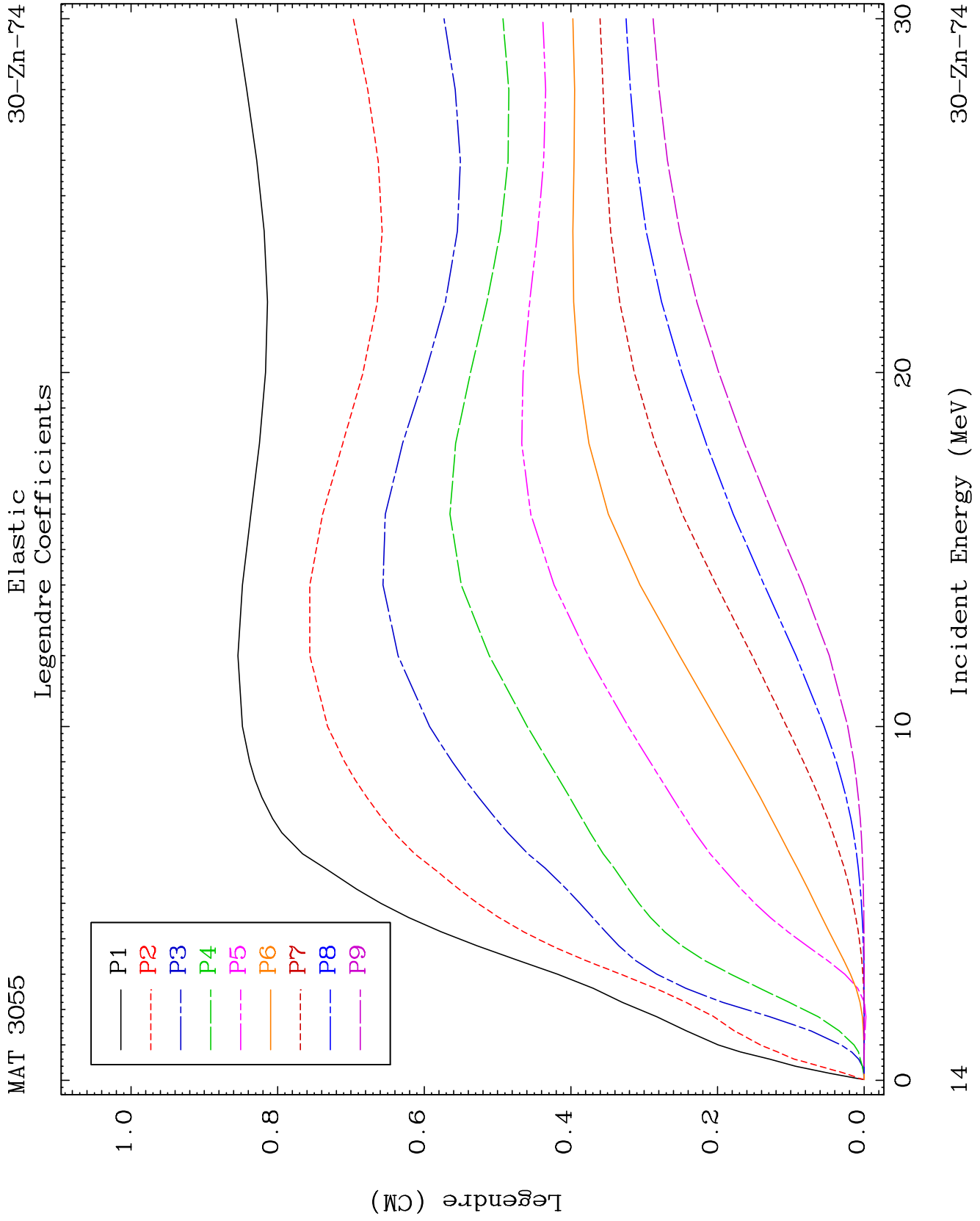
— (n,α)

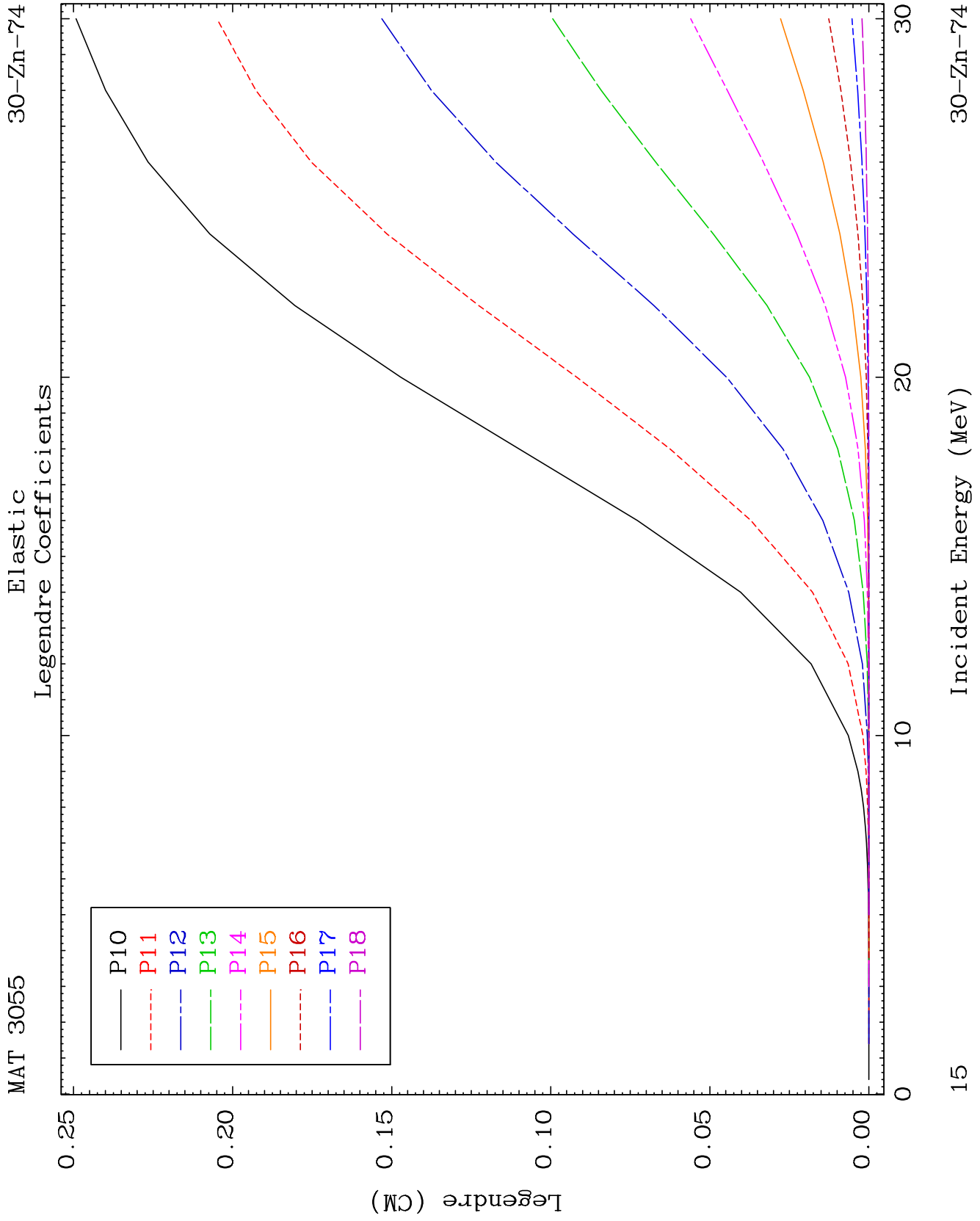
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Incident Energy (MeV)

30-Zn-74



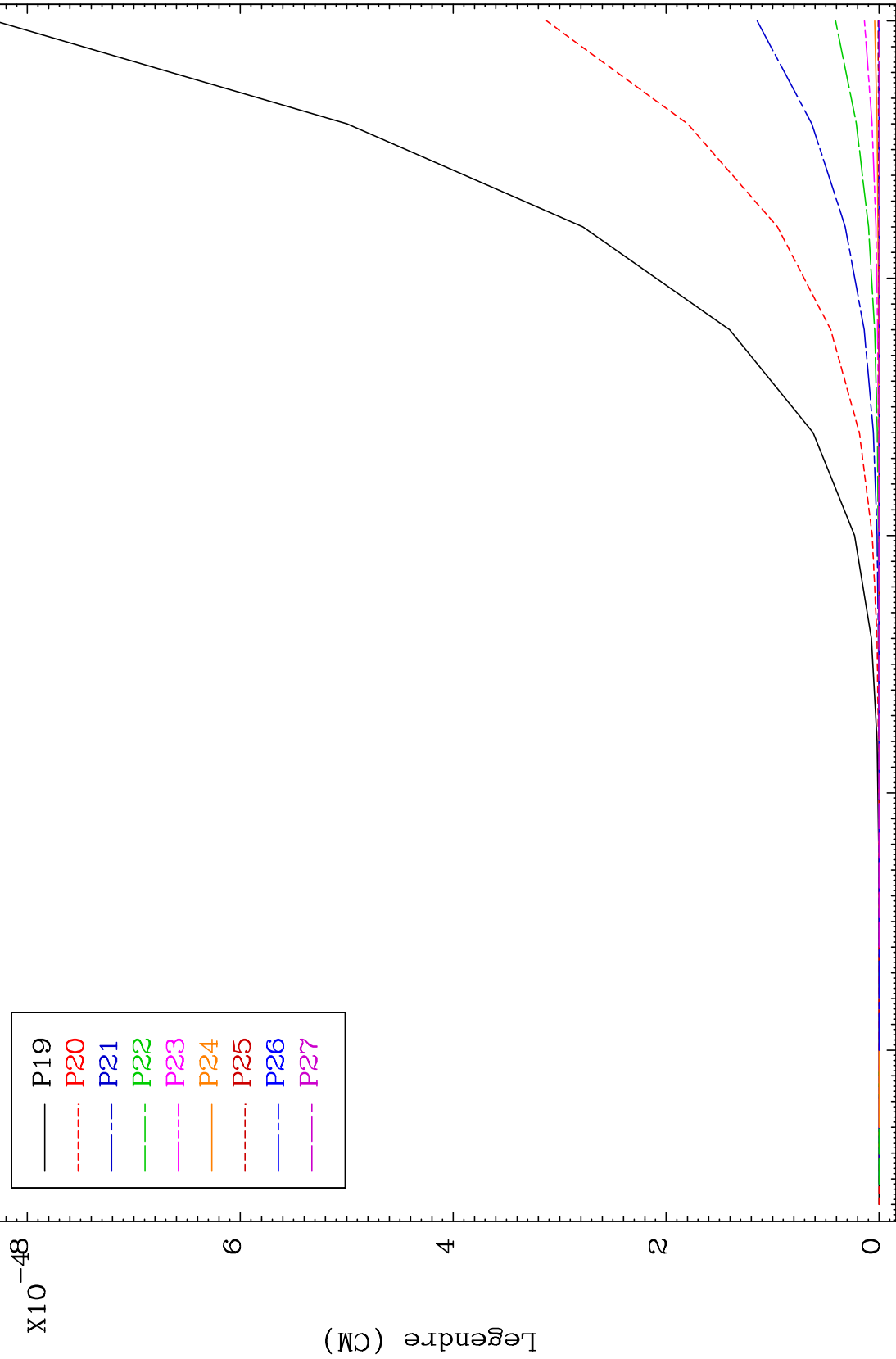
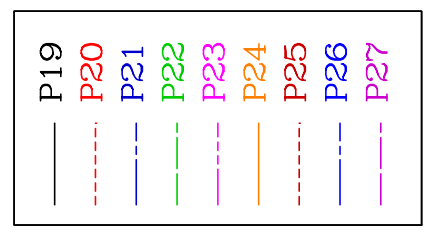




MAT 3055

Elastic Legendre Coefficients

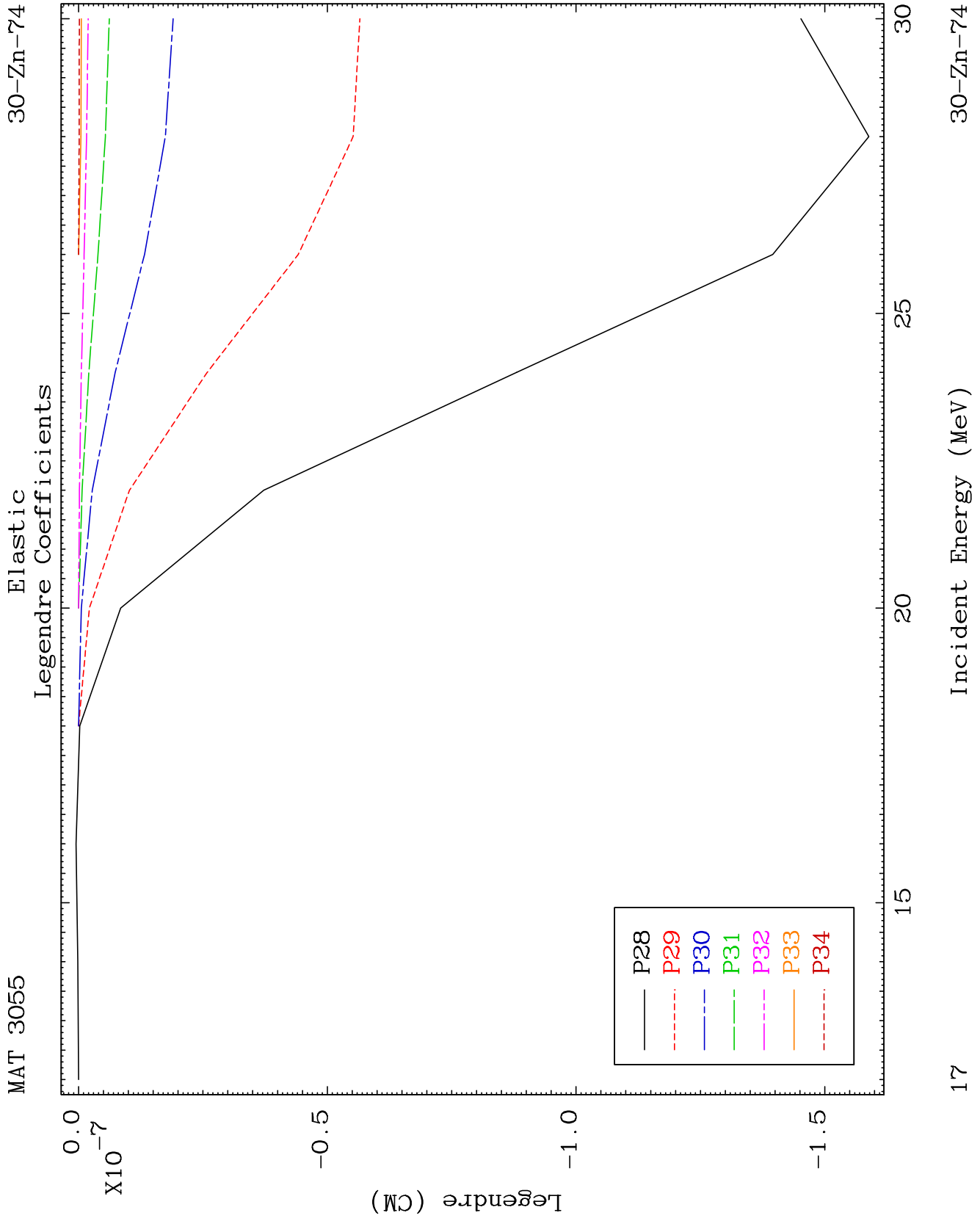
30-Zn-74



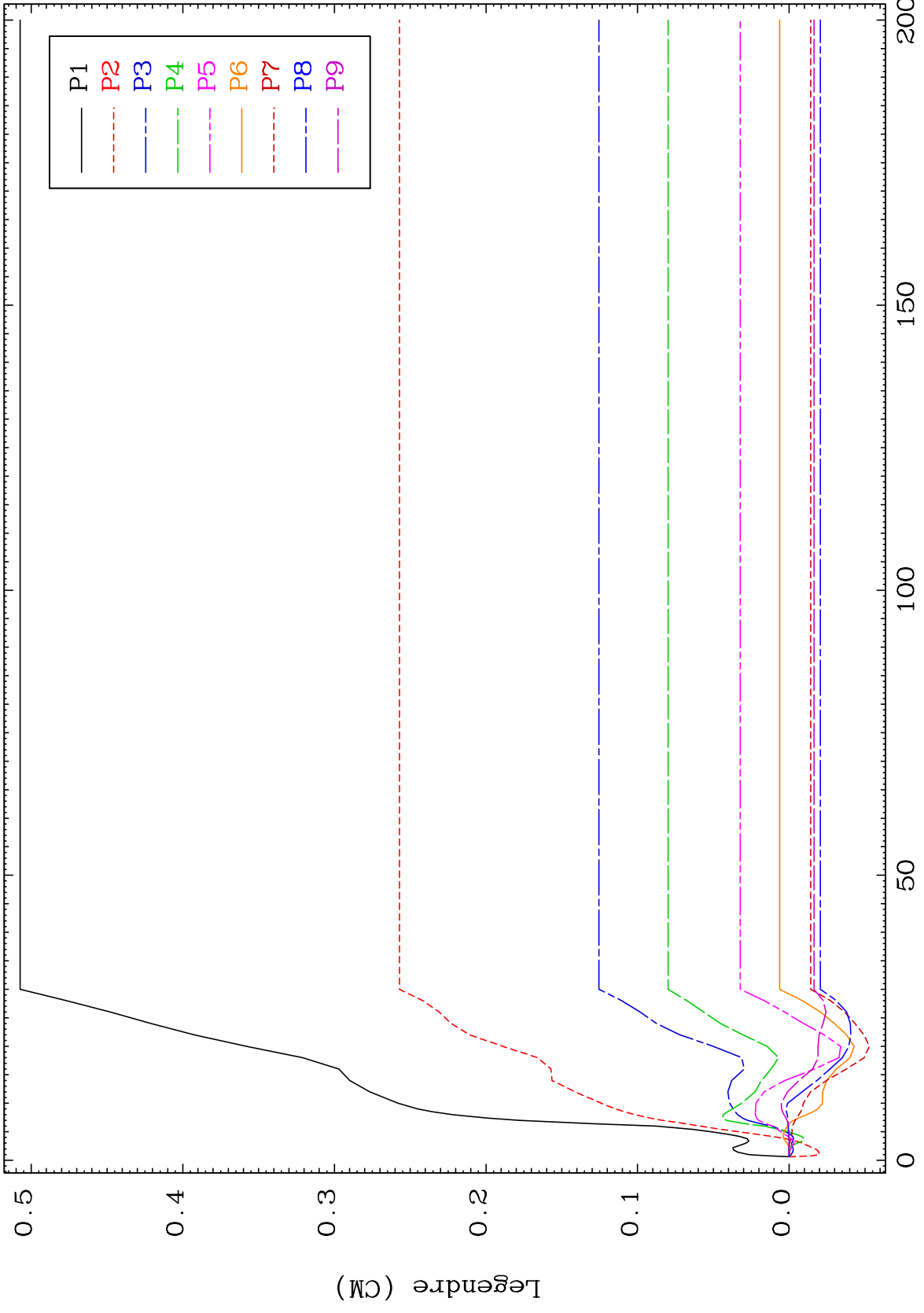
16

Incident Energy (MeV)

30-Zn-74



MAT 3055 MT= 51 (n,n') Level Legendre Coefficients 30-Zn-74

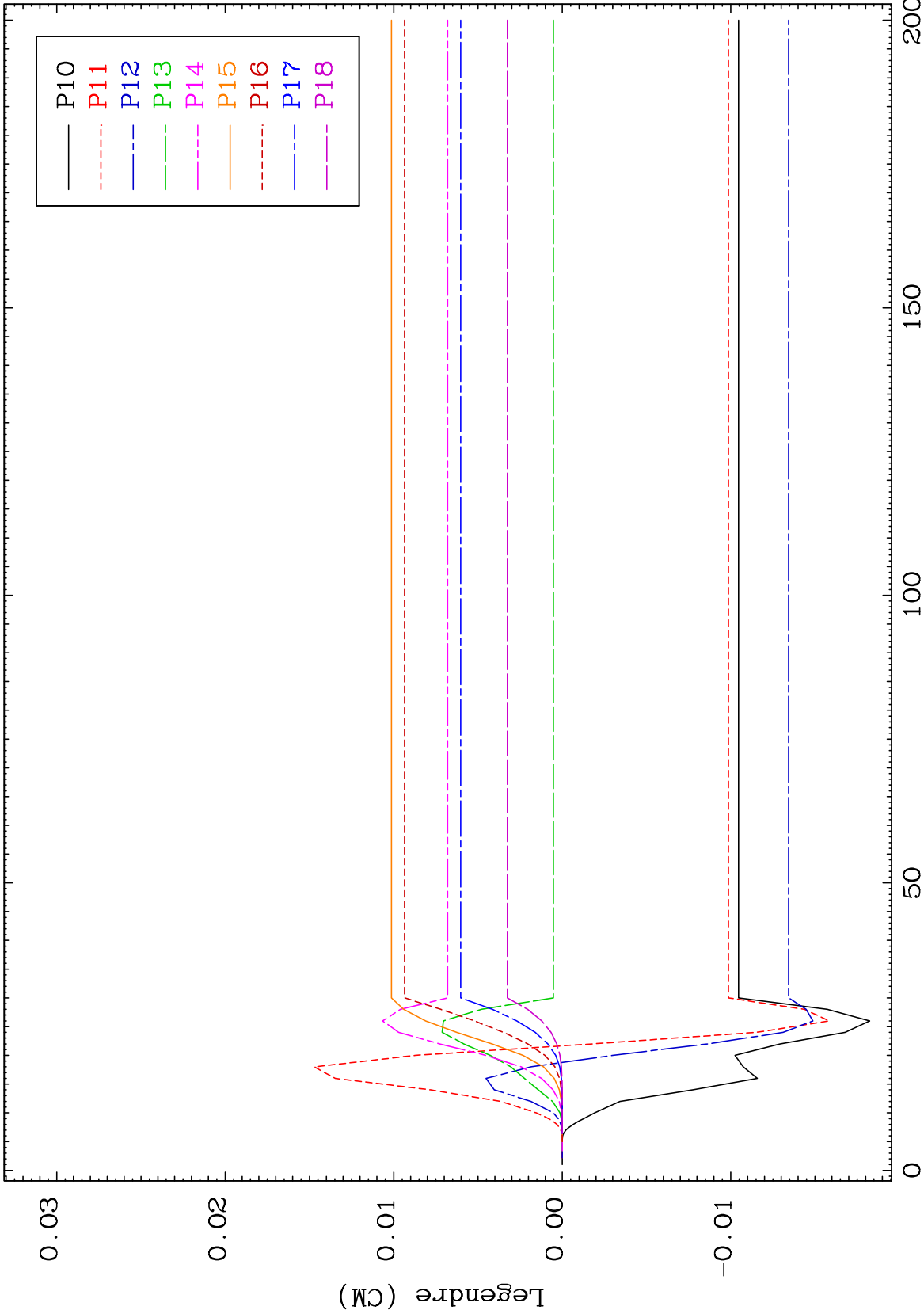


18 Incident Energy (MeV) 30-Zn-74

MAT 3055

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

30-Zn-74

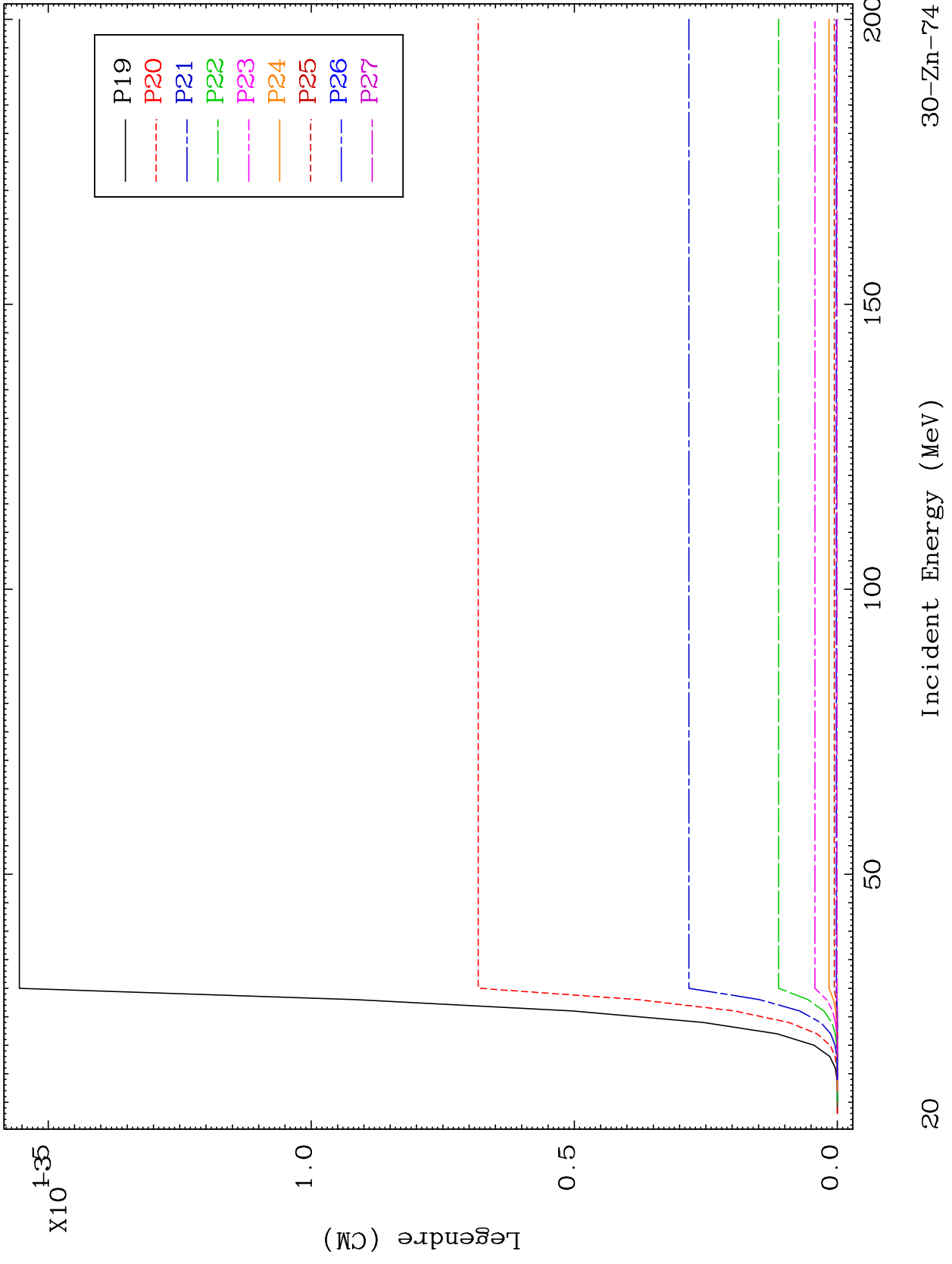


19

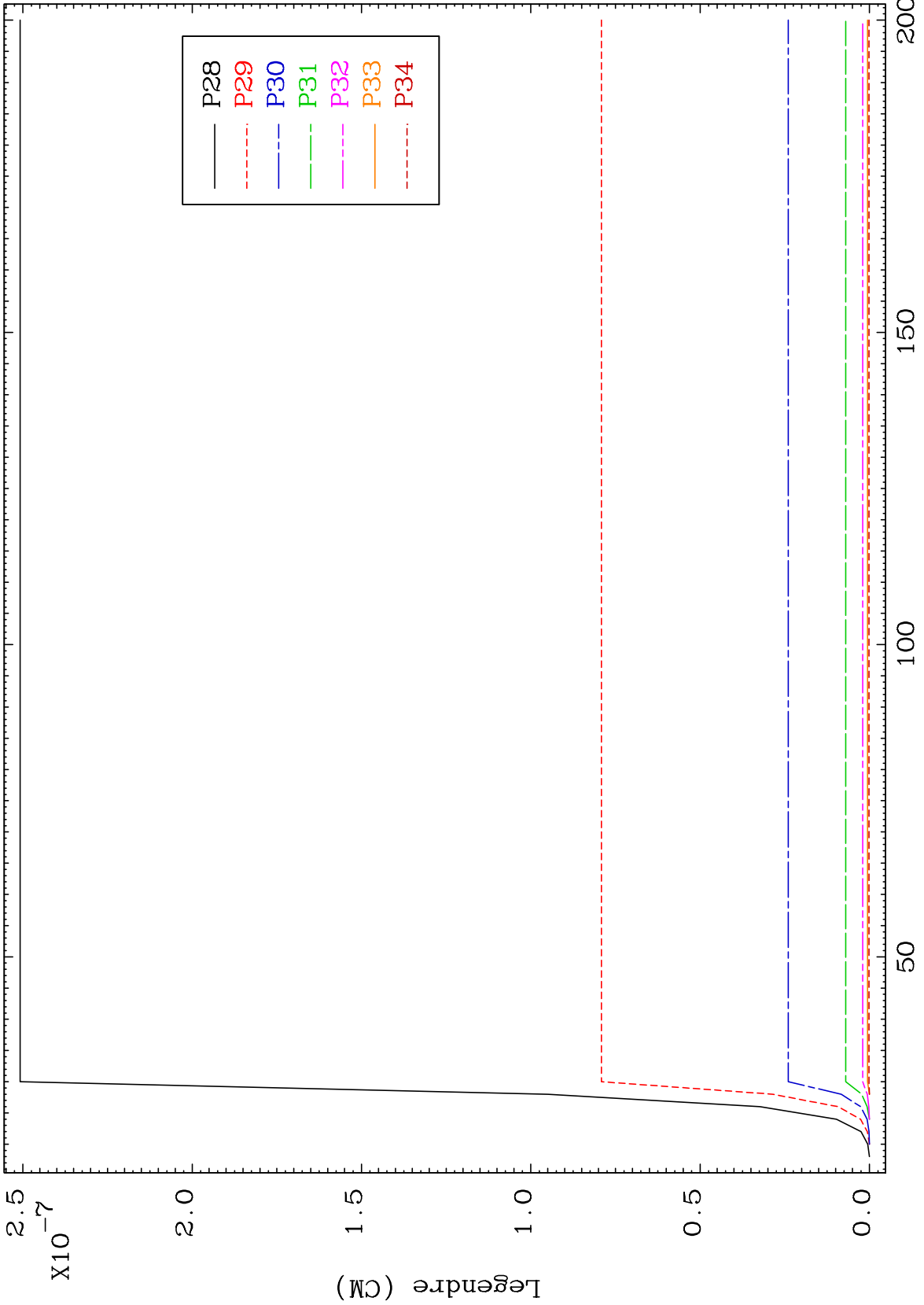
Incident Energy (MeV)

30-Zn-74

MAT 3055 MT= 51 (n,n') Level Legendre Coefficients 30-Zn-74

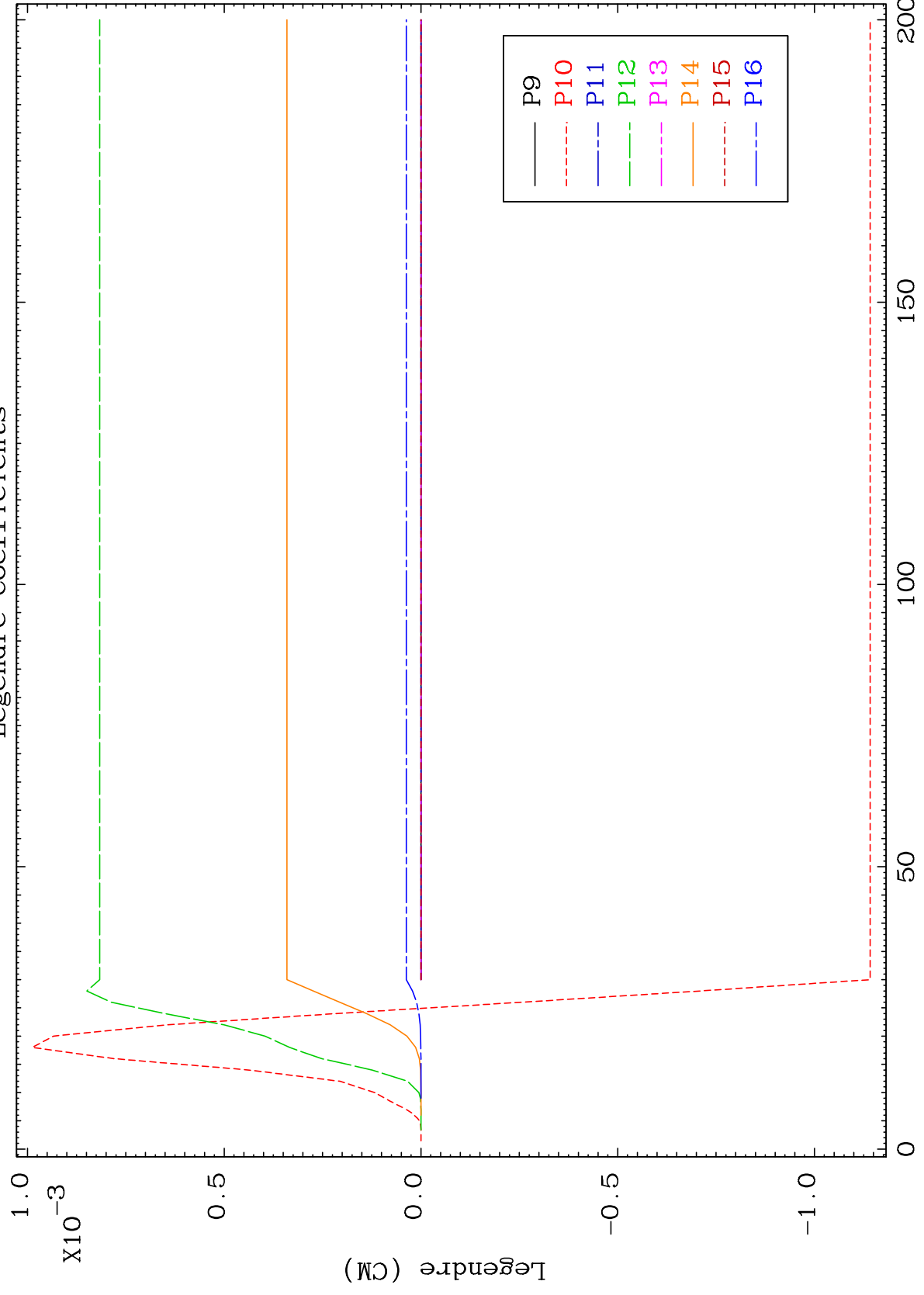


MAT 3055 MT= 51 (n,n') Level Legendre Coefficients 30-Zn-74

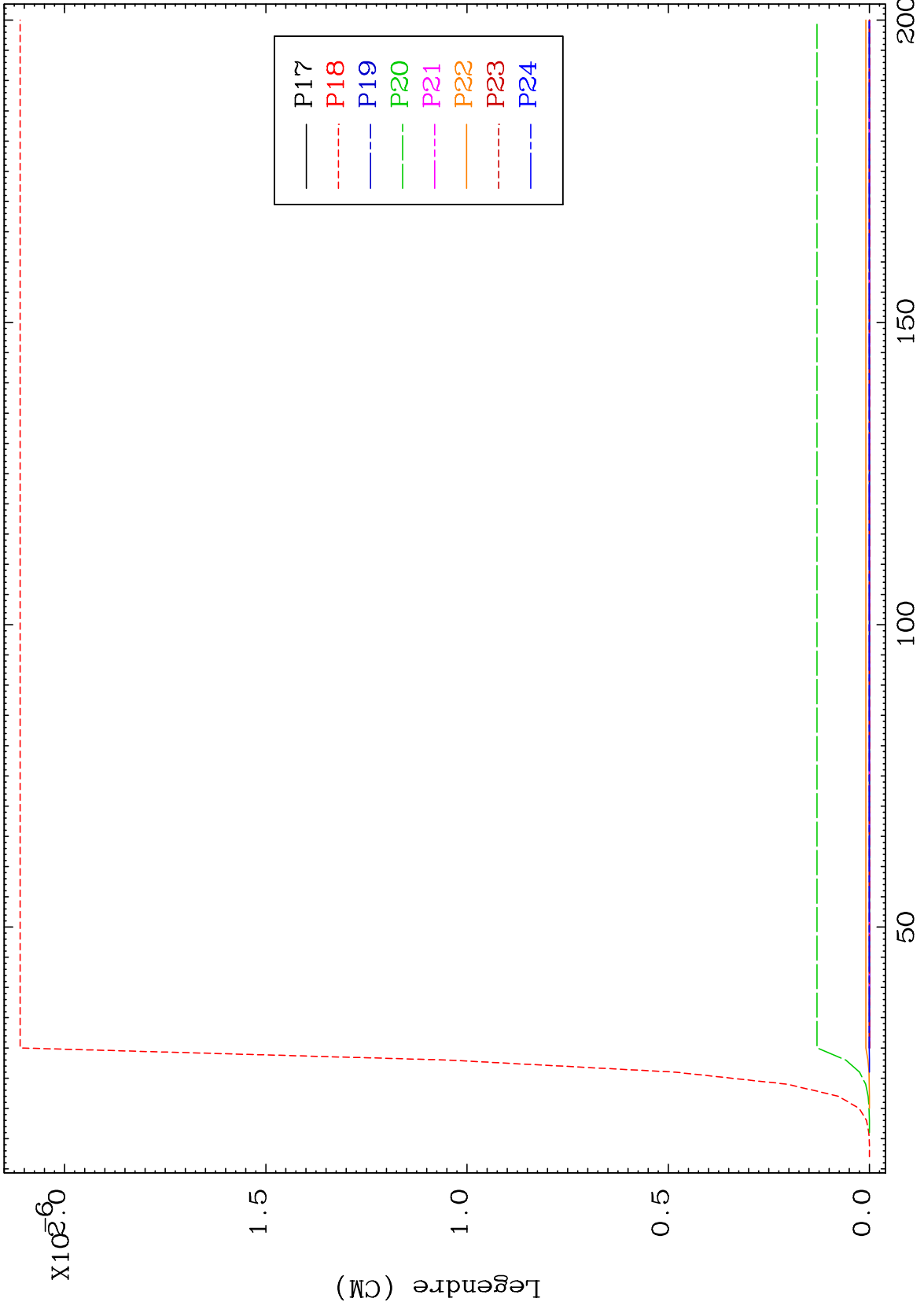


21 Incident Energy (MeV) 30-Zn-74

MAT 3055 MT= 52 (n,n') Level Legendre Coefficients 30-Zn-74



MAT 3055 MT= 52 (n,n') Level Legendre Coefficients 30-Zn-74

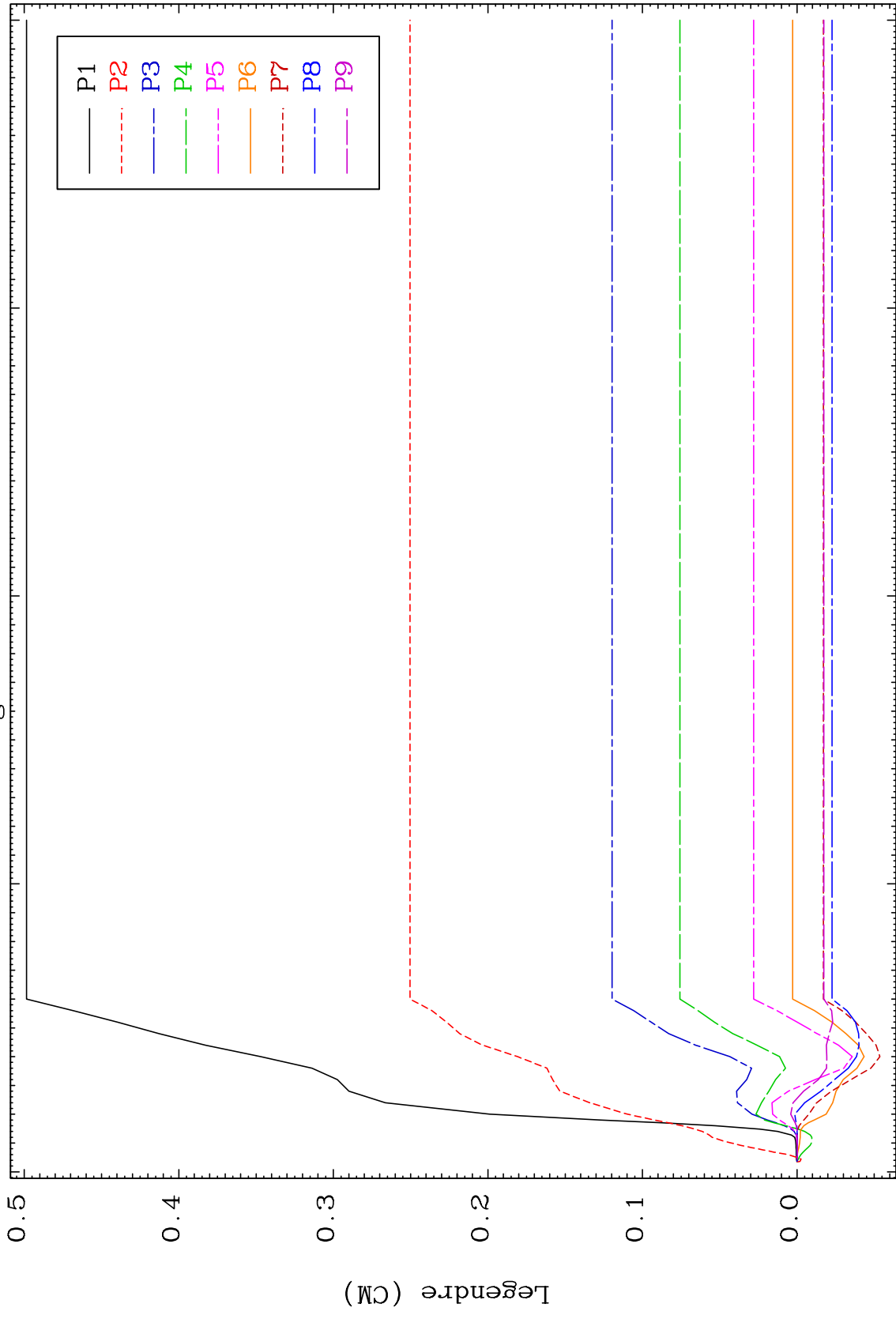


24

Incident Energy (MeV)

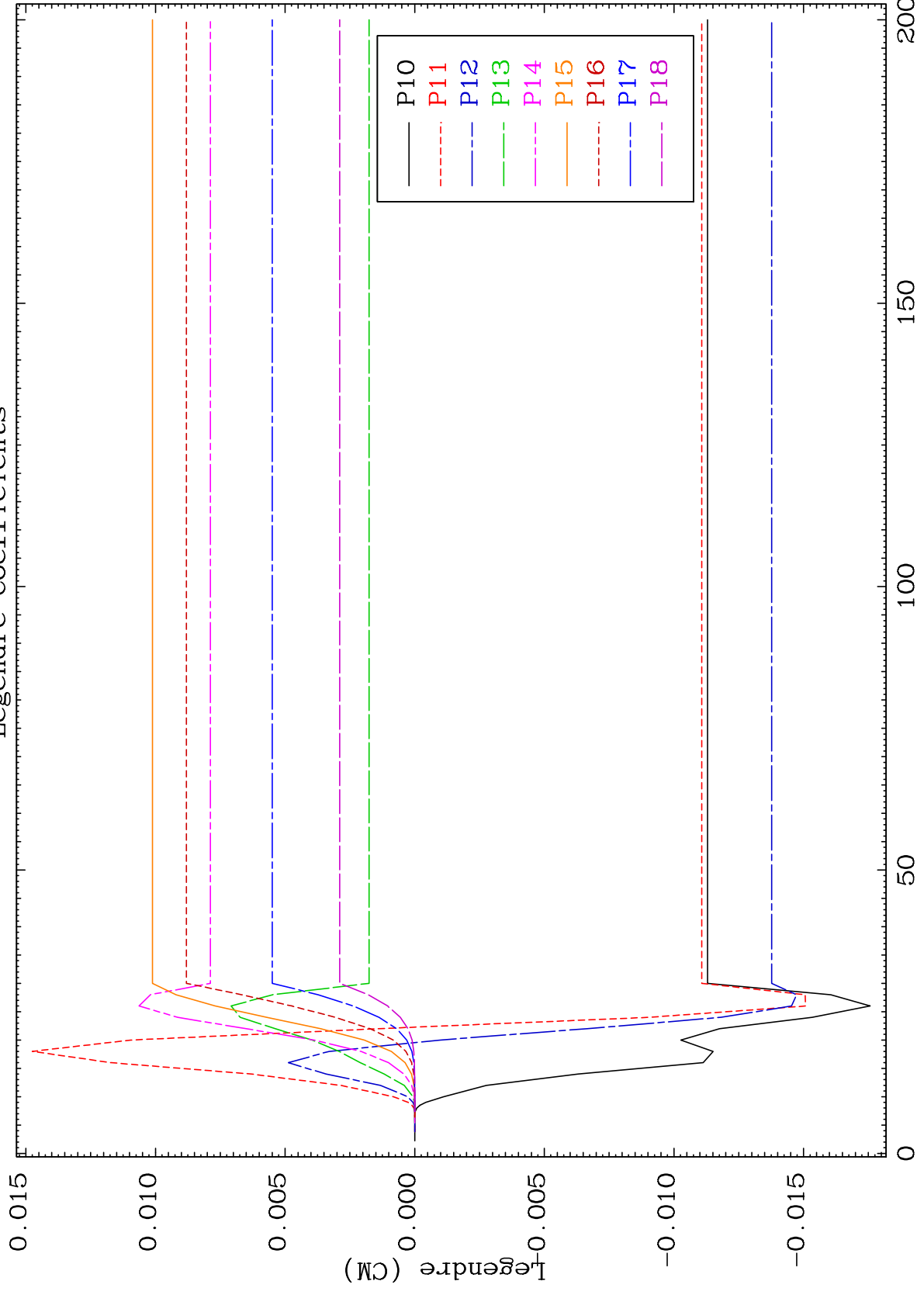
30-Zn-74

MAT 3055 MT= 53 (n,n') Level Legendre Coefficients 30-Zn-74



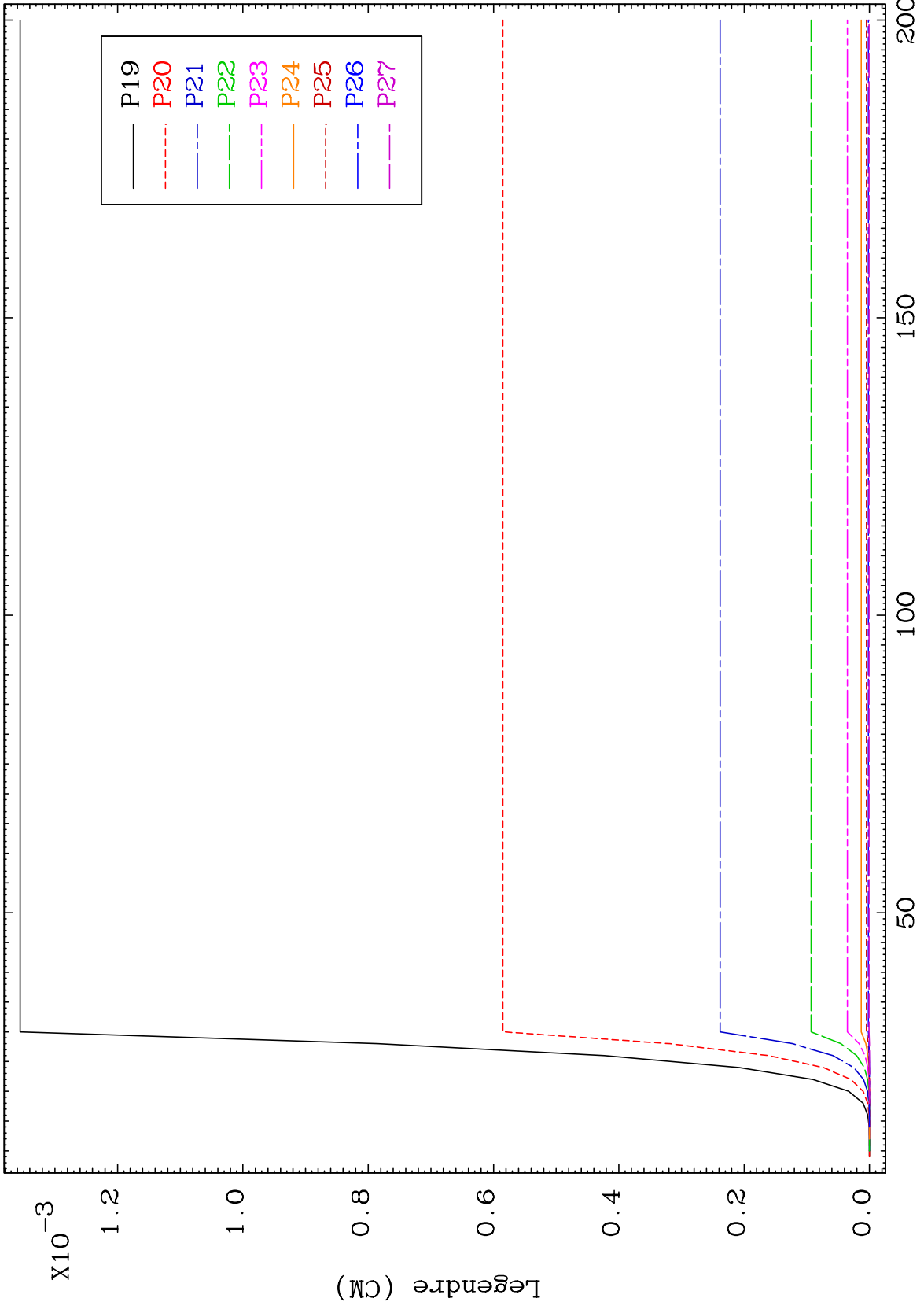
Legendre (CM) Incident Energy (MeV) 30-Zn-74

MAT 3055 MT= 53 (n,n') Level Legendre Coefficients 30-Zn-74

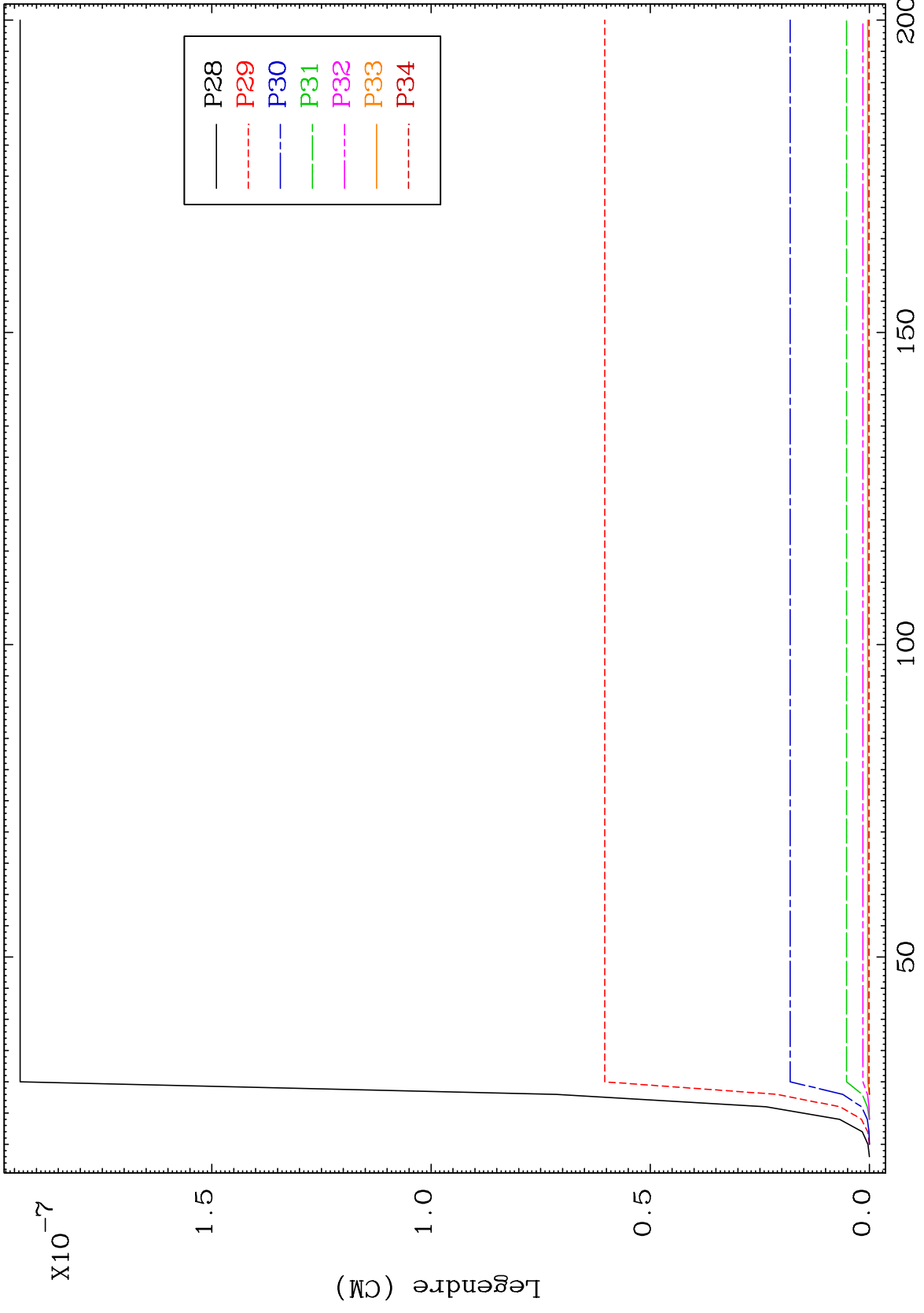


26 Incident Energy (MeV) 30-Zn-74

MAT 3055 MT= 53 (n,n') Level Legendre Coefficients 30-Zn-74

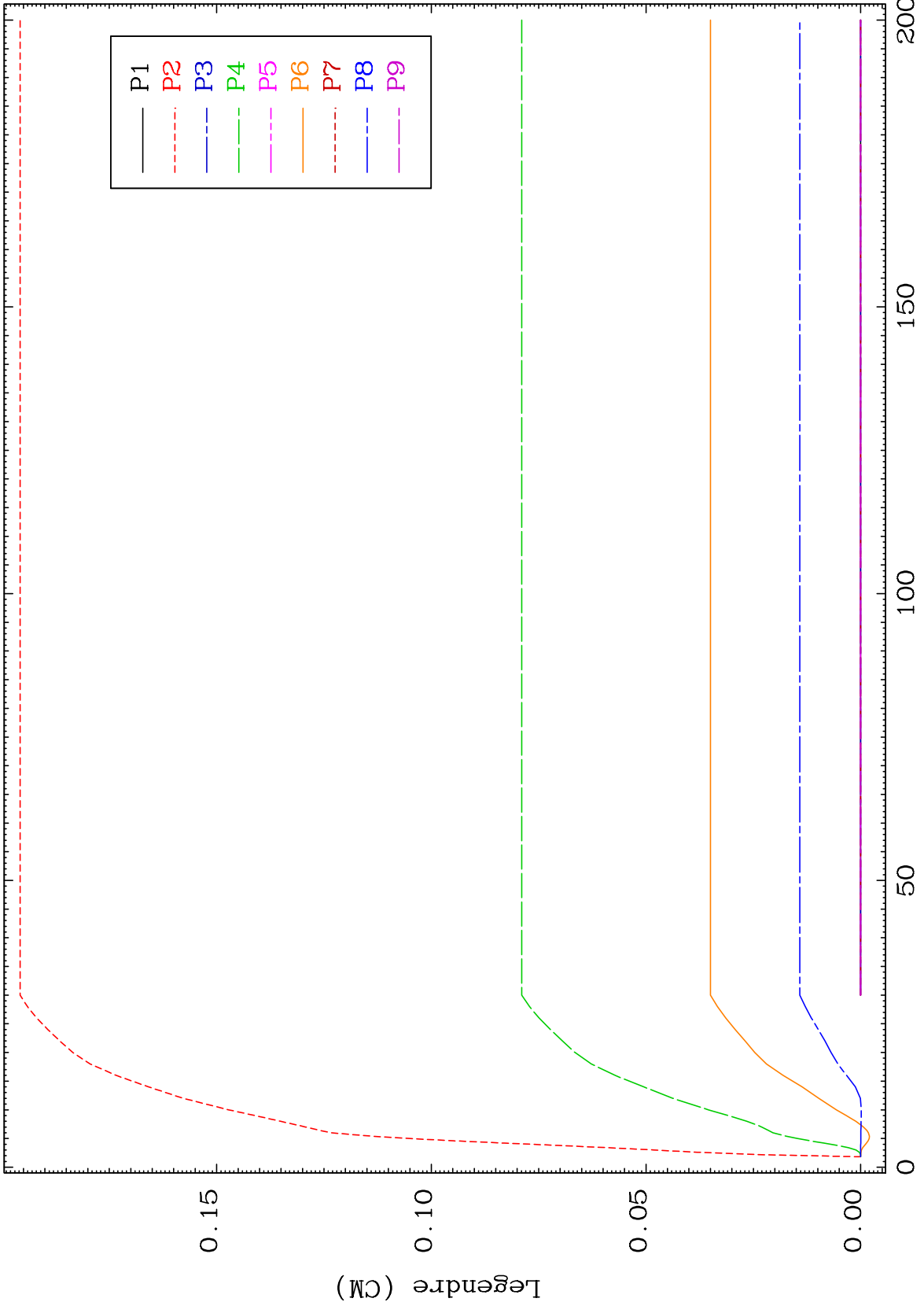


MAT 3055 MT= 53 (n,n') Level Legendre Coefficients 30-Zn-74



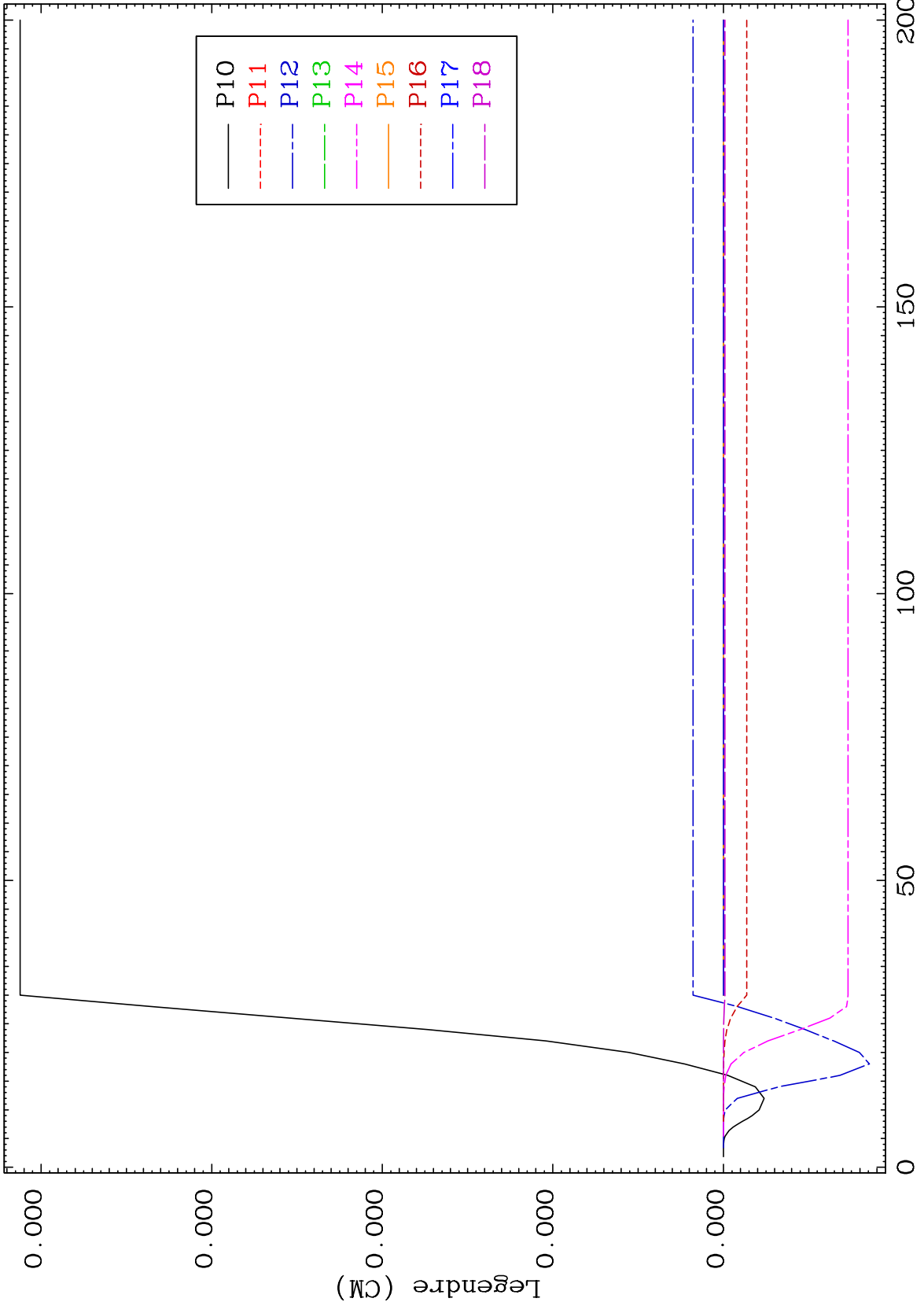
28 50 100 150 200 30-Zn-74

MAT 3055 MT= 54 (n,n') Level Legendre Coefficients 30-Zn-74



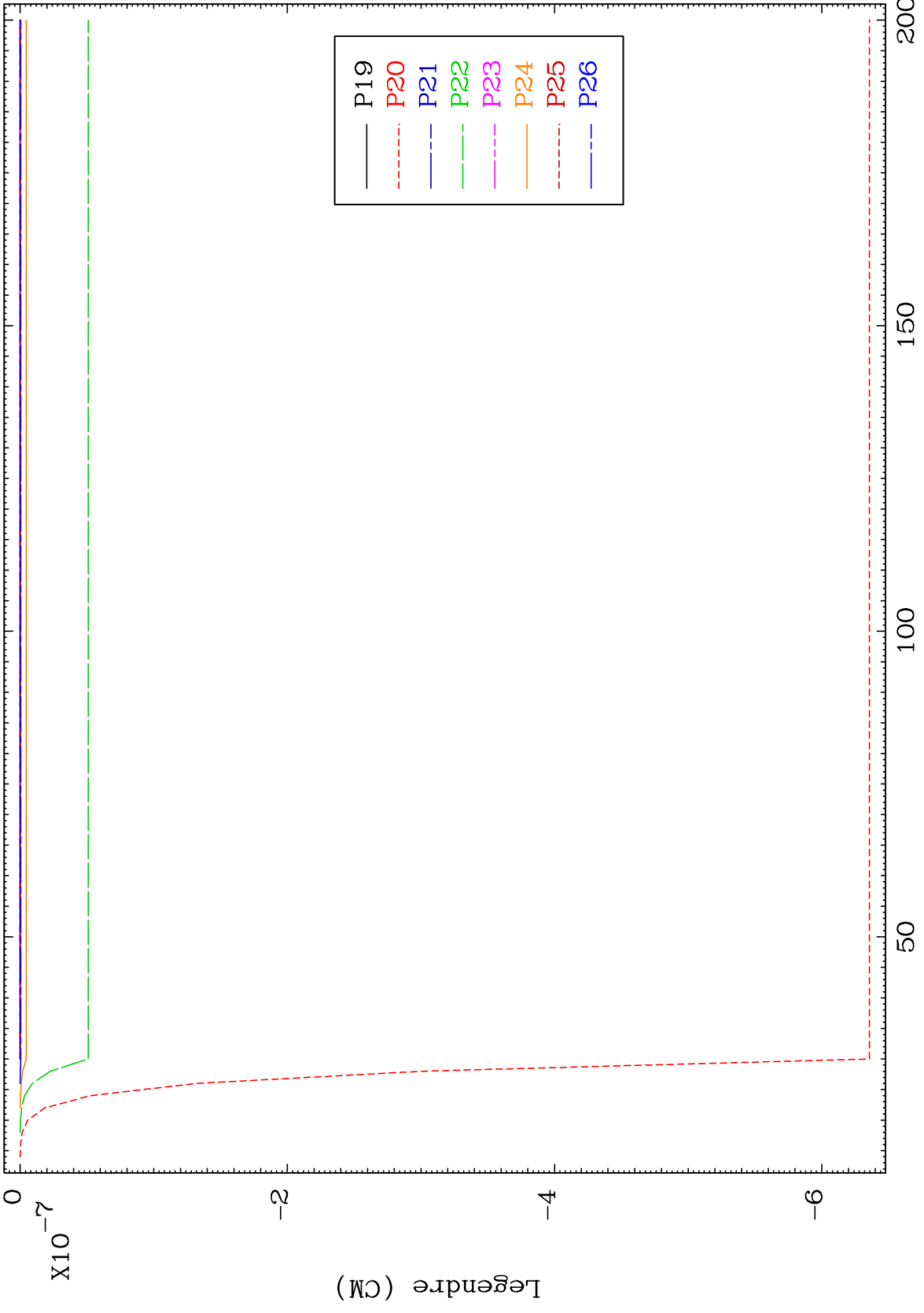
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MAT 3055 MT= 54 (n,n') Level Legendre Coefficients 30-Zn-74

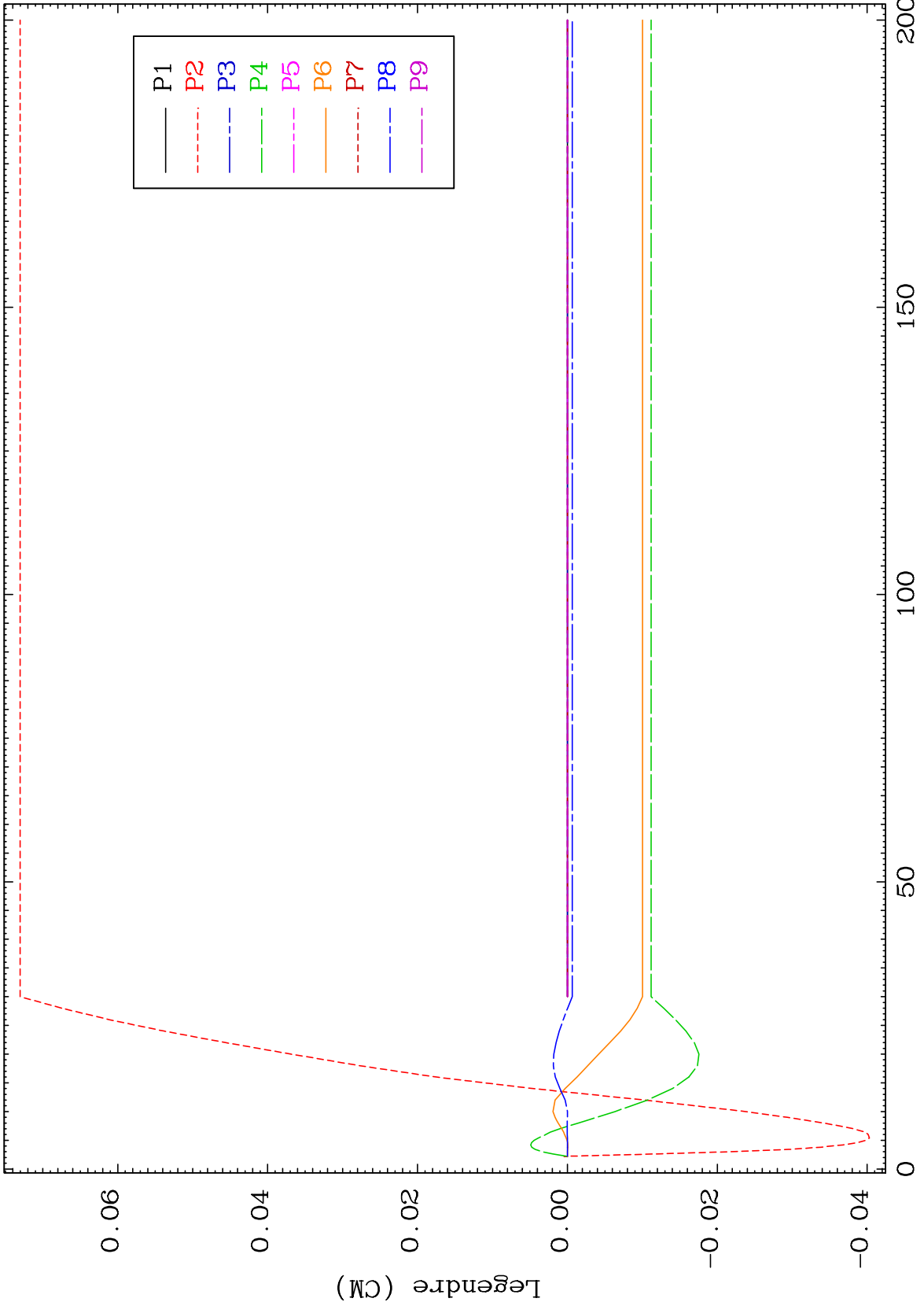


30-Zn-74

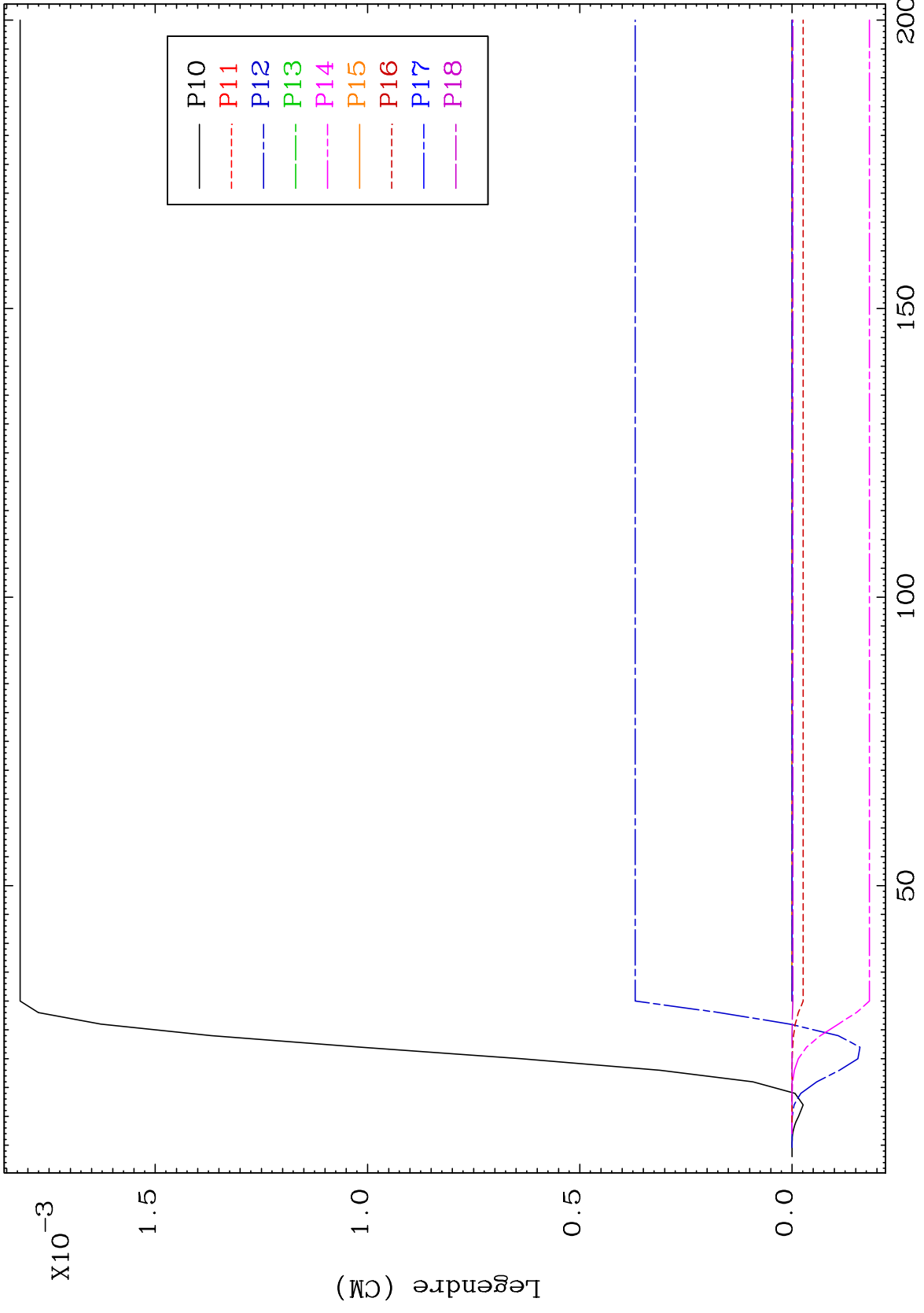
MAT 3055 MT= 54 (n,n') Level Legendre Coefficients 30-Zn-74



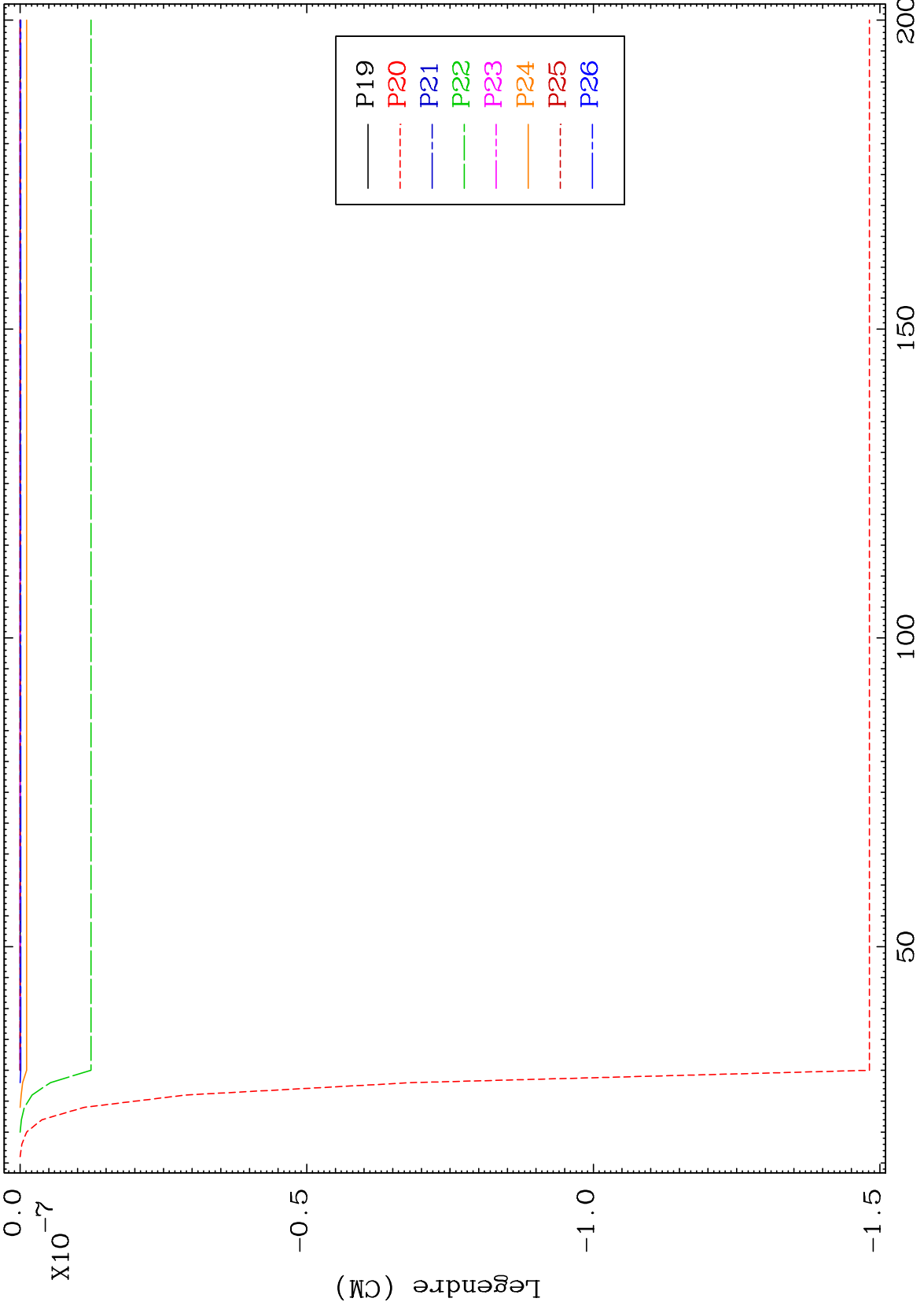
MAT 3055 MT= 55 (n,n') Level Legendre Coefficients 30-Zn-74

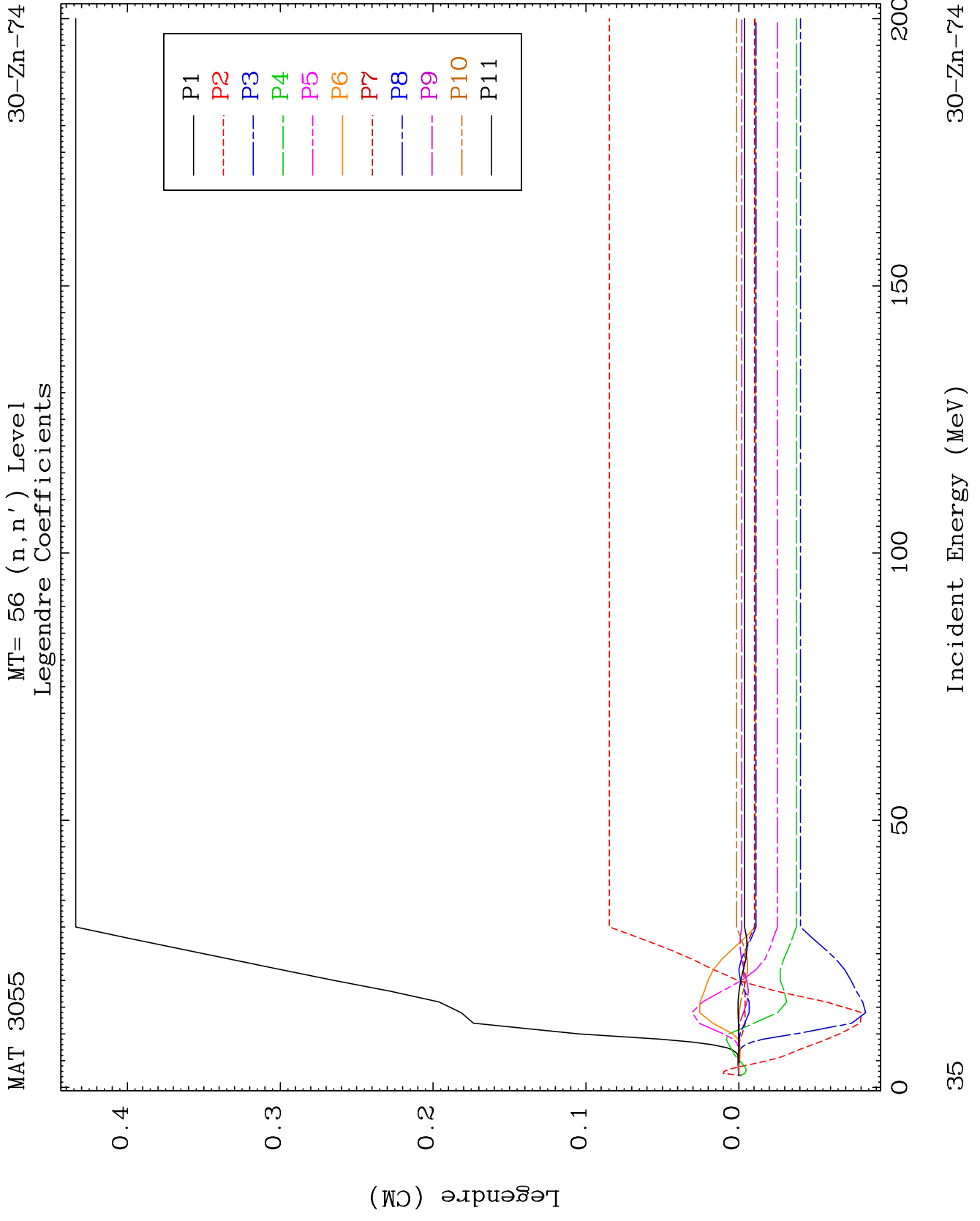


32 Incident Energy (MeV) 30-Zn-74

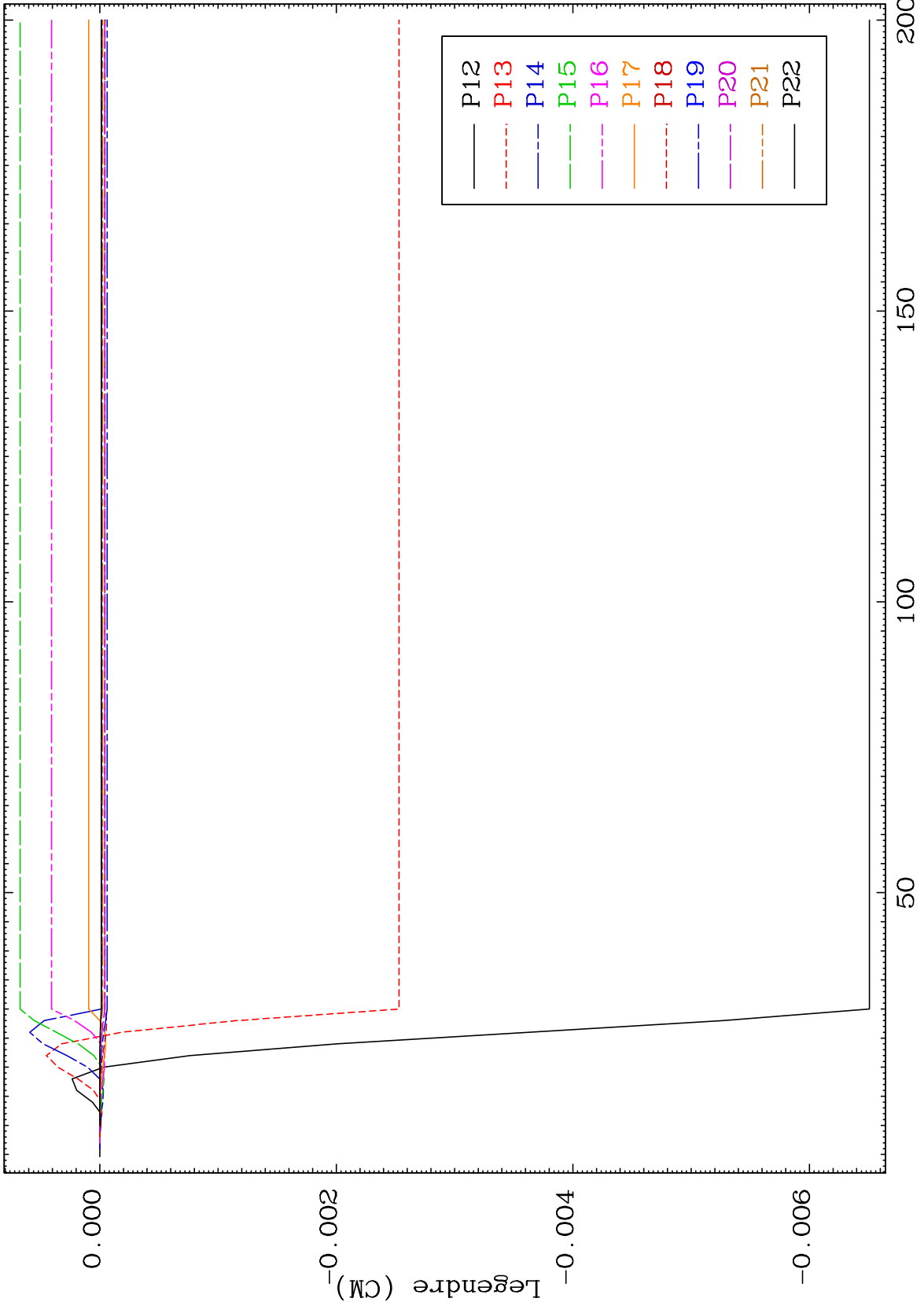


MAT 3055 MT= 55 (n,n') Level Legendre Coefficients 30-Zn-74



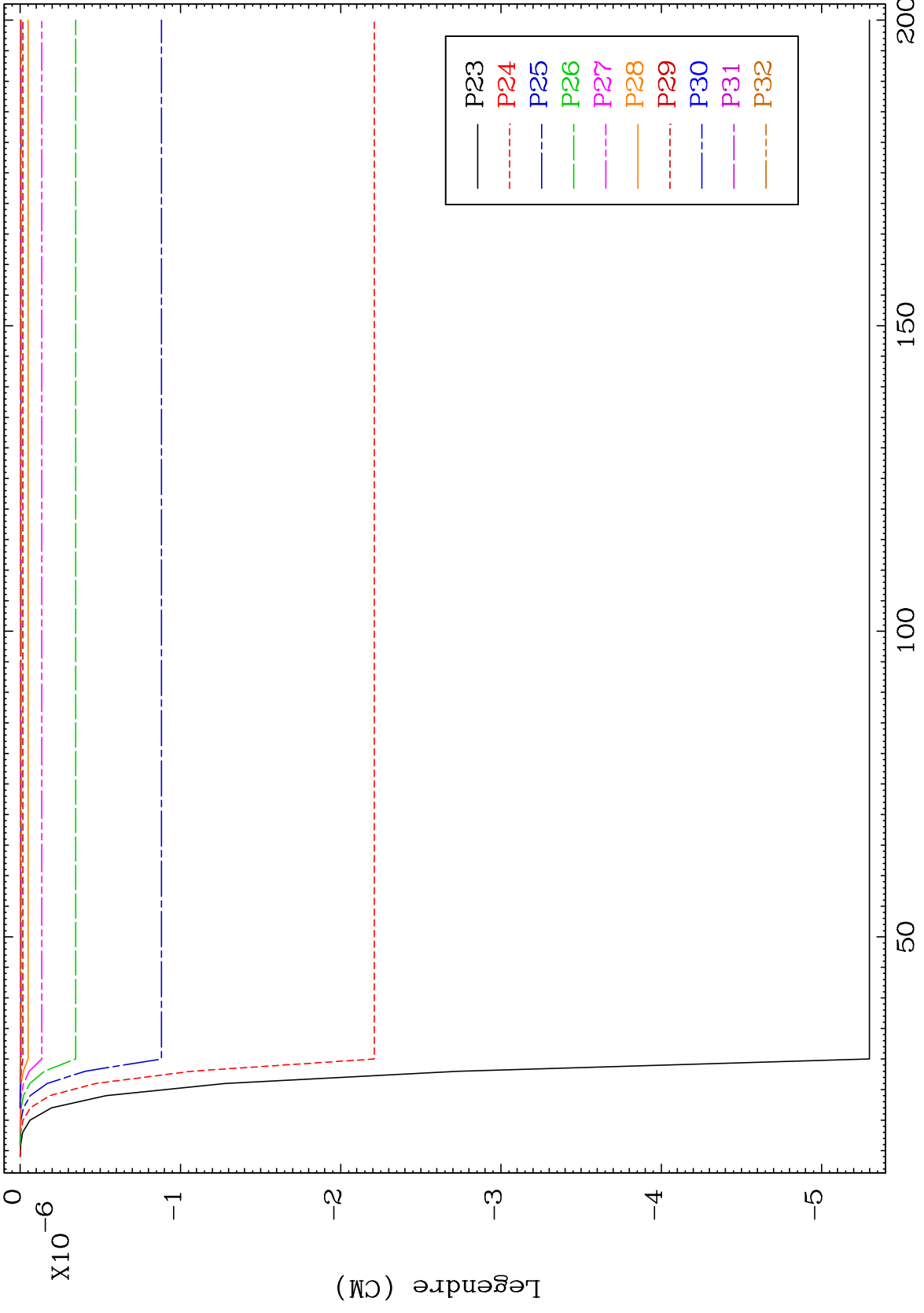


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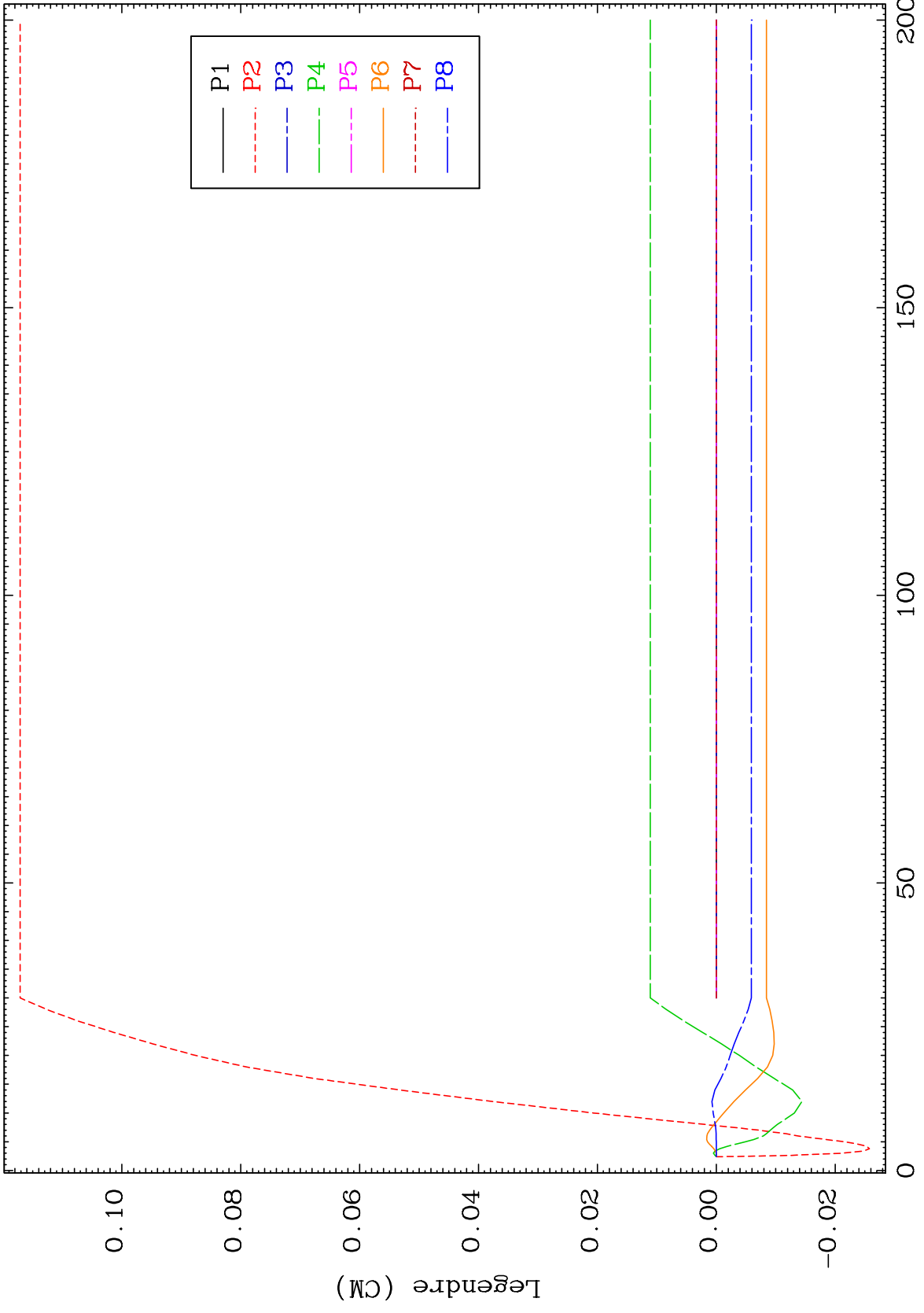
36 Incident Energy (MeV) 30-Zn-74

MAT 3055 MT= 56 (n,n') Level Legendre Coefficients 30-Zn-74



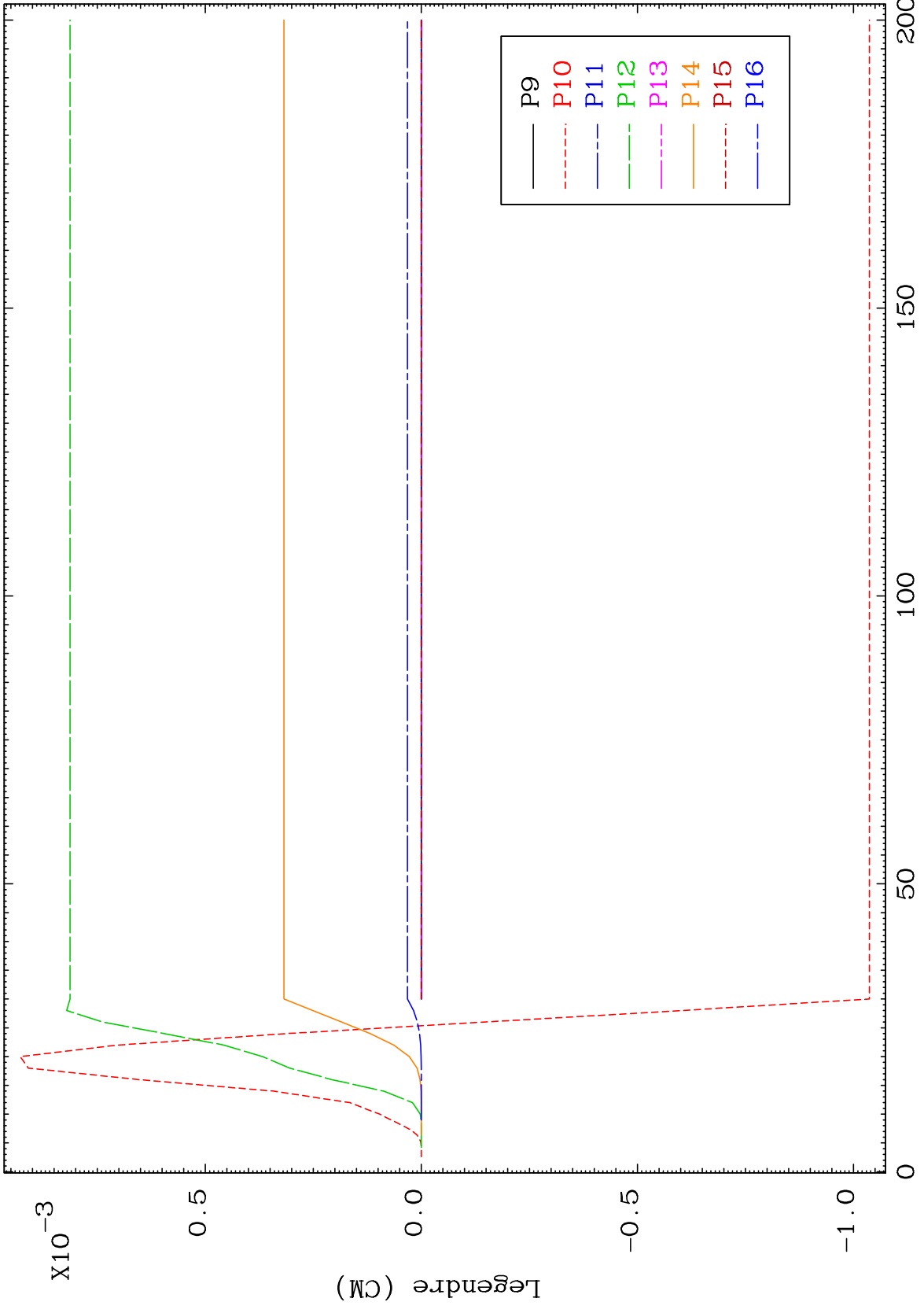
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MAT 3055 MT= 57 (n,n') Level Legendre Coefficients 30-Zn-74



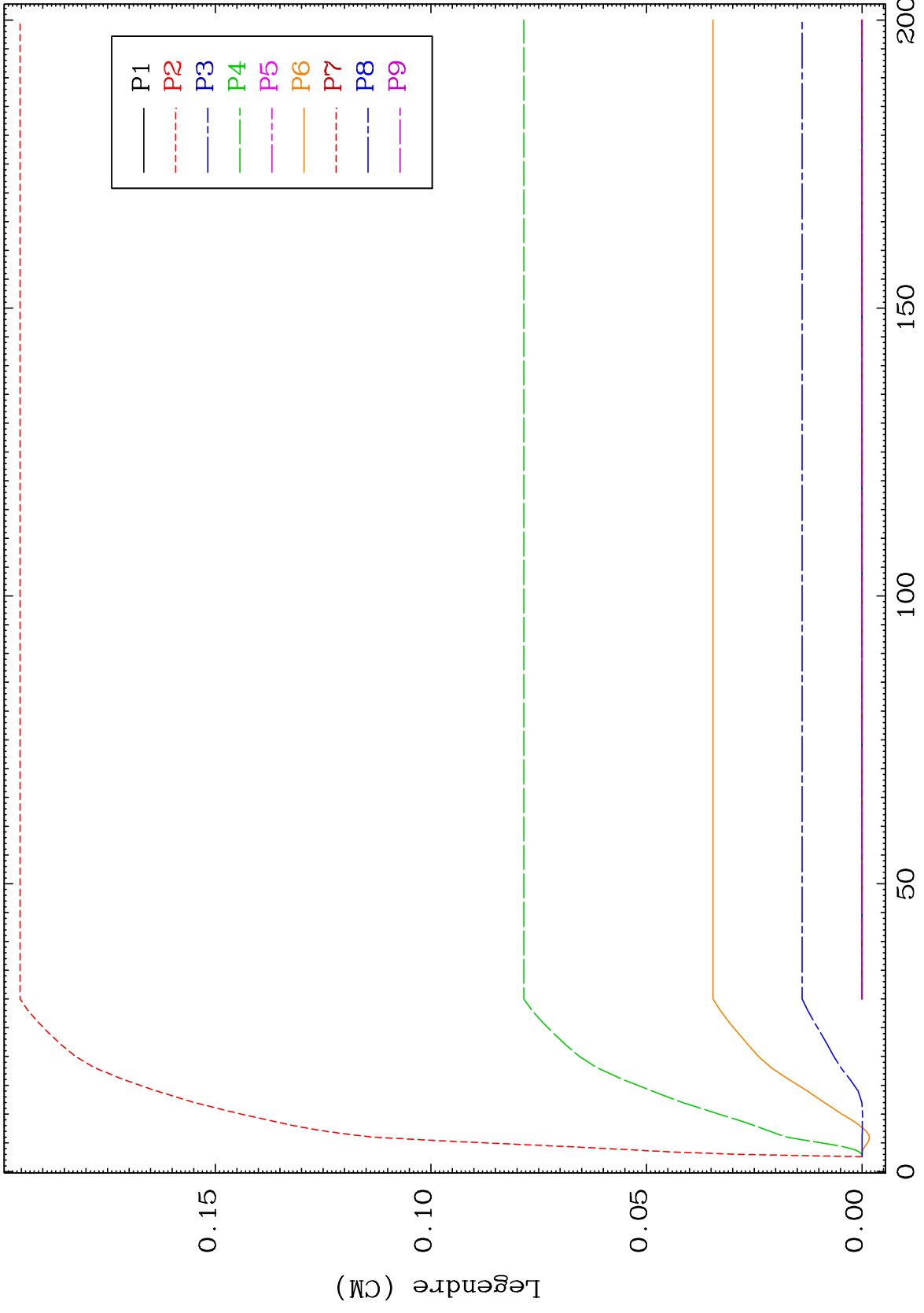
38 Incident Energy (MeV) 30-Zn-74

MAT 3055 MT= 57 (n,n') Level Legendre Coefficients 30-Zn-74

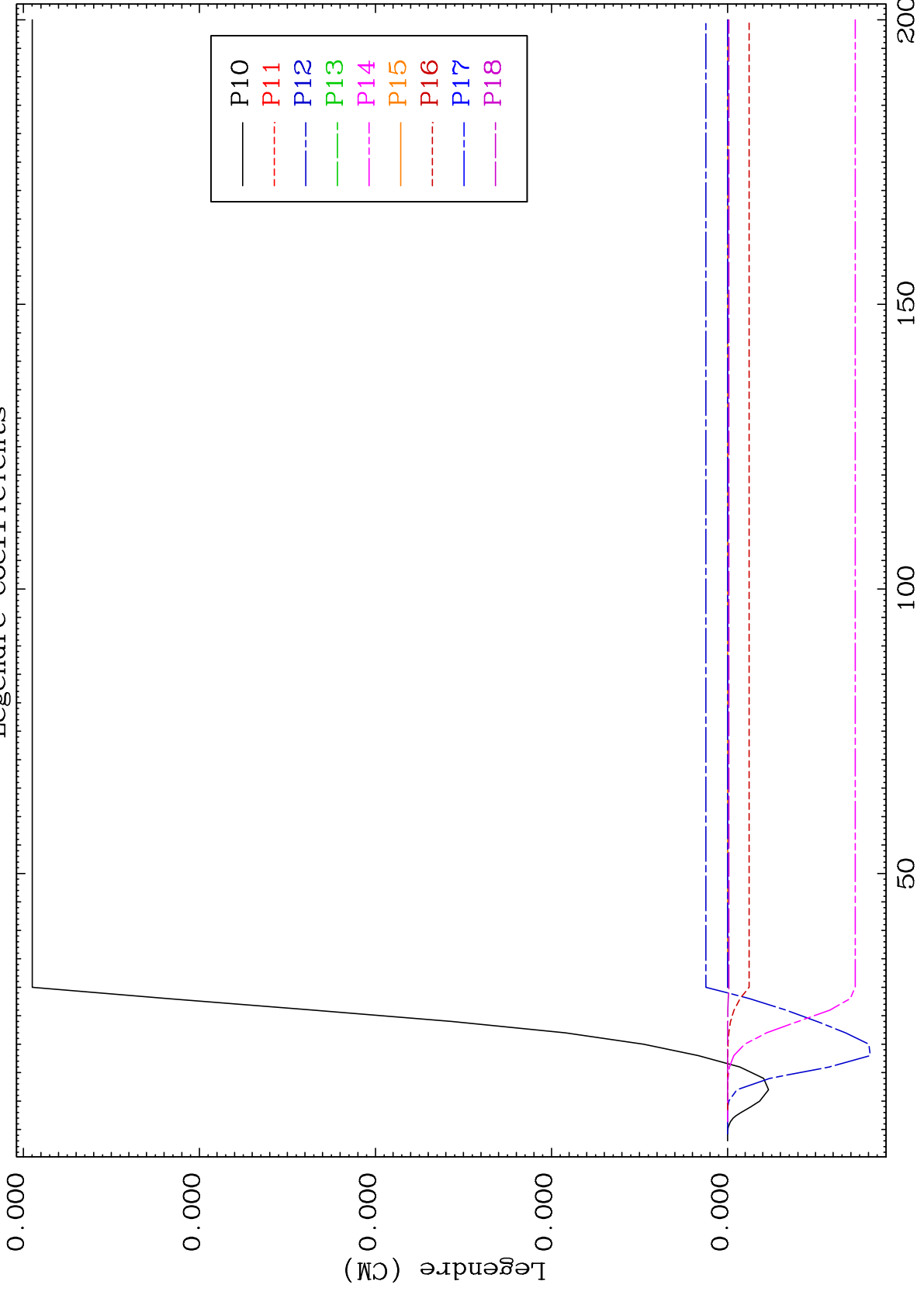


39 Incident Energy (MeV) 30-Zn-74

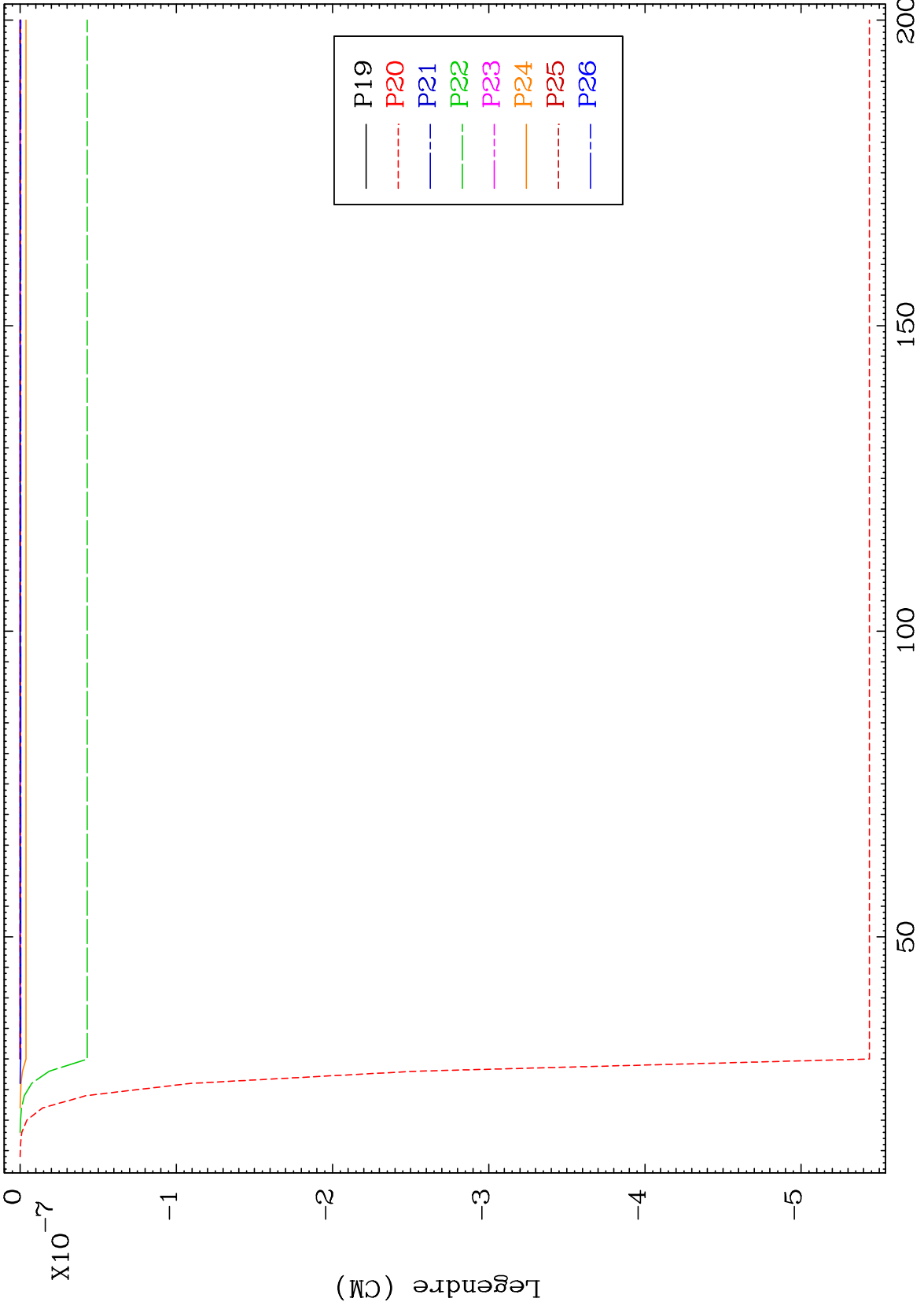
MAT 3055 MT= 58 (n,n') Level Legendre Coefficients 30-Zn-74



MAT 3055 MT= 58 (n,n') Level Legendre Coefficients 30-Zn-74



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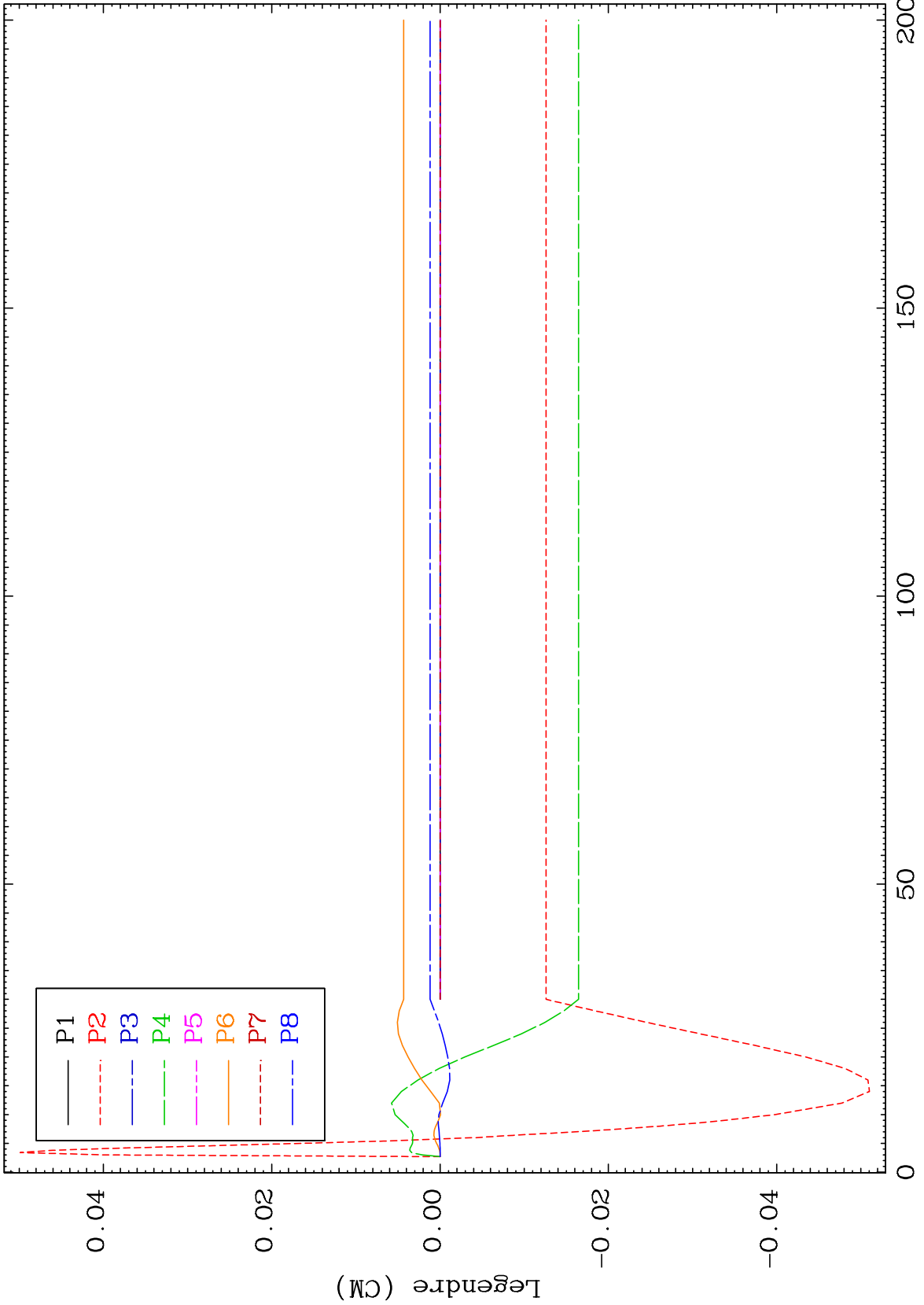
MAT 3055 MT= 59 (n,n') Level Legendre Coefficients

30-Zn-74

30-Zn-74

Incident Energy (MeV)

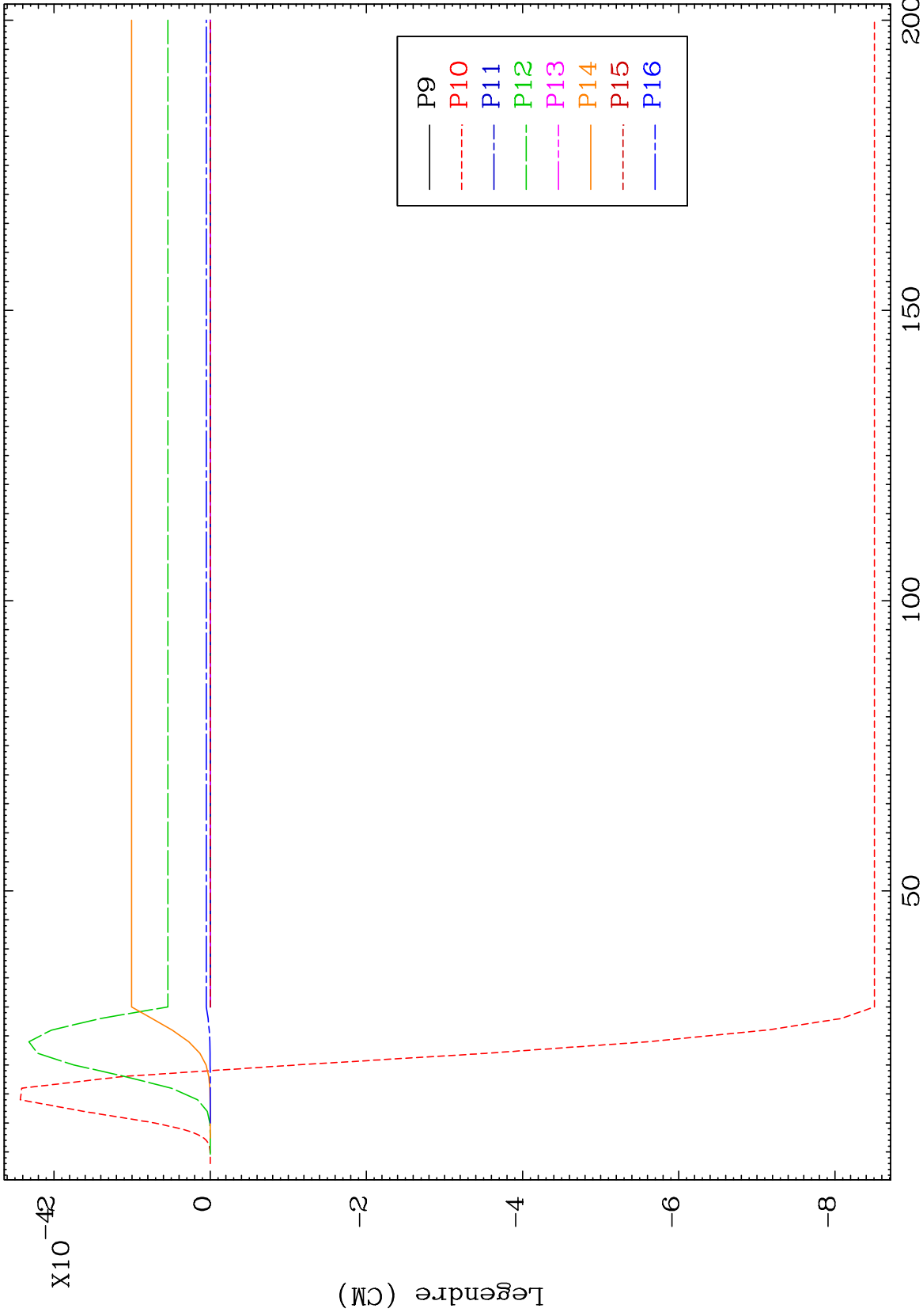
44



MAT 3055

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

30-Zn-74

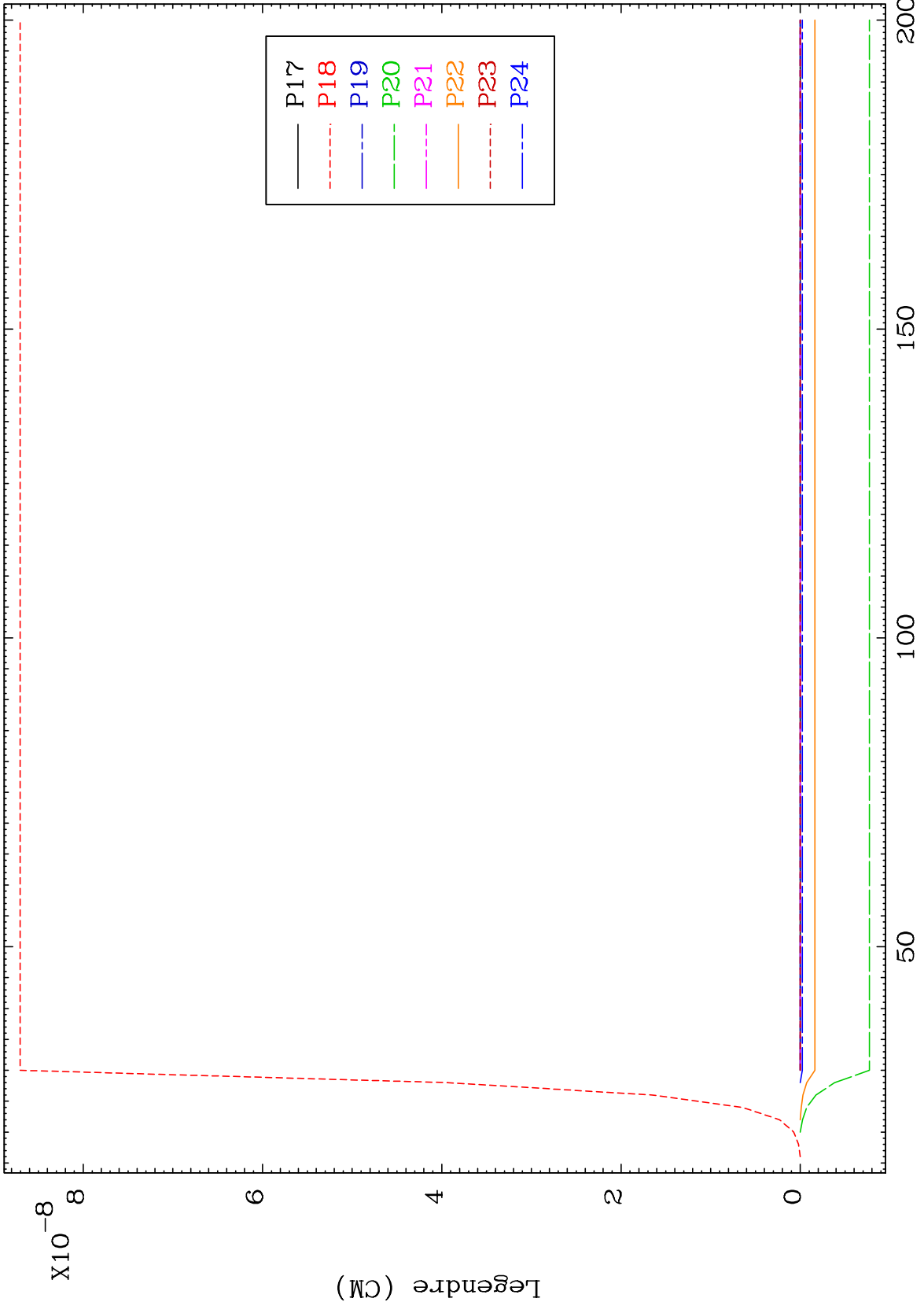


45

Incident Energy (MeV)

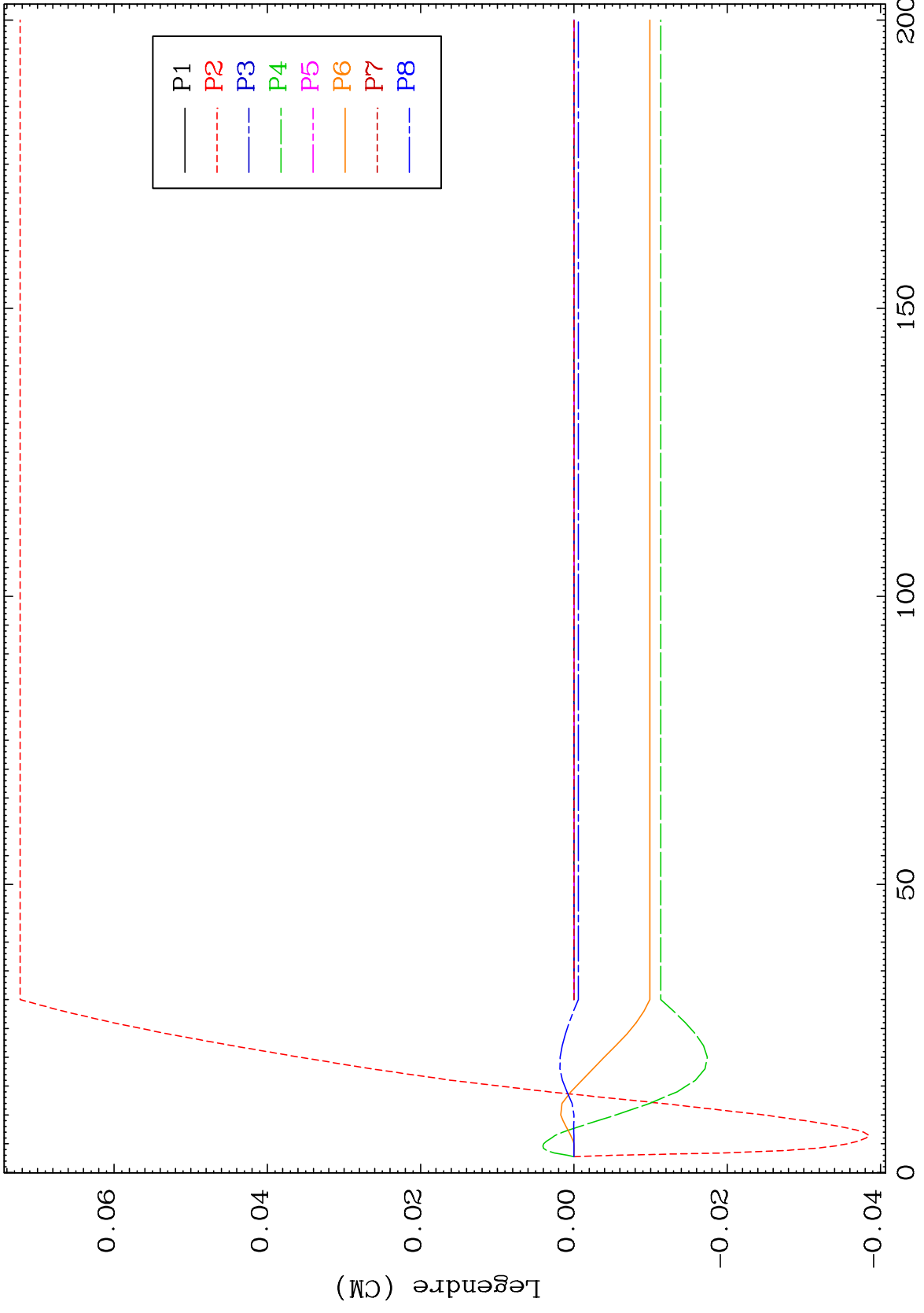
30-Zn-74

MAT 3055 MT= 59 (n,n') Level Legendre Coefficients 30-Zn-74



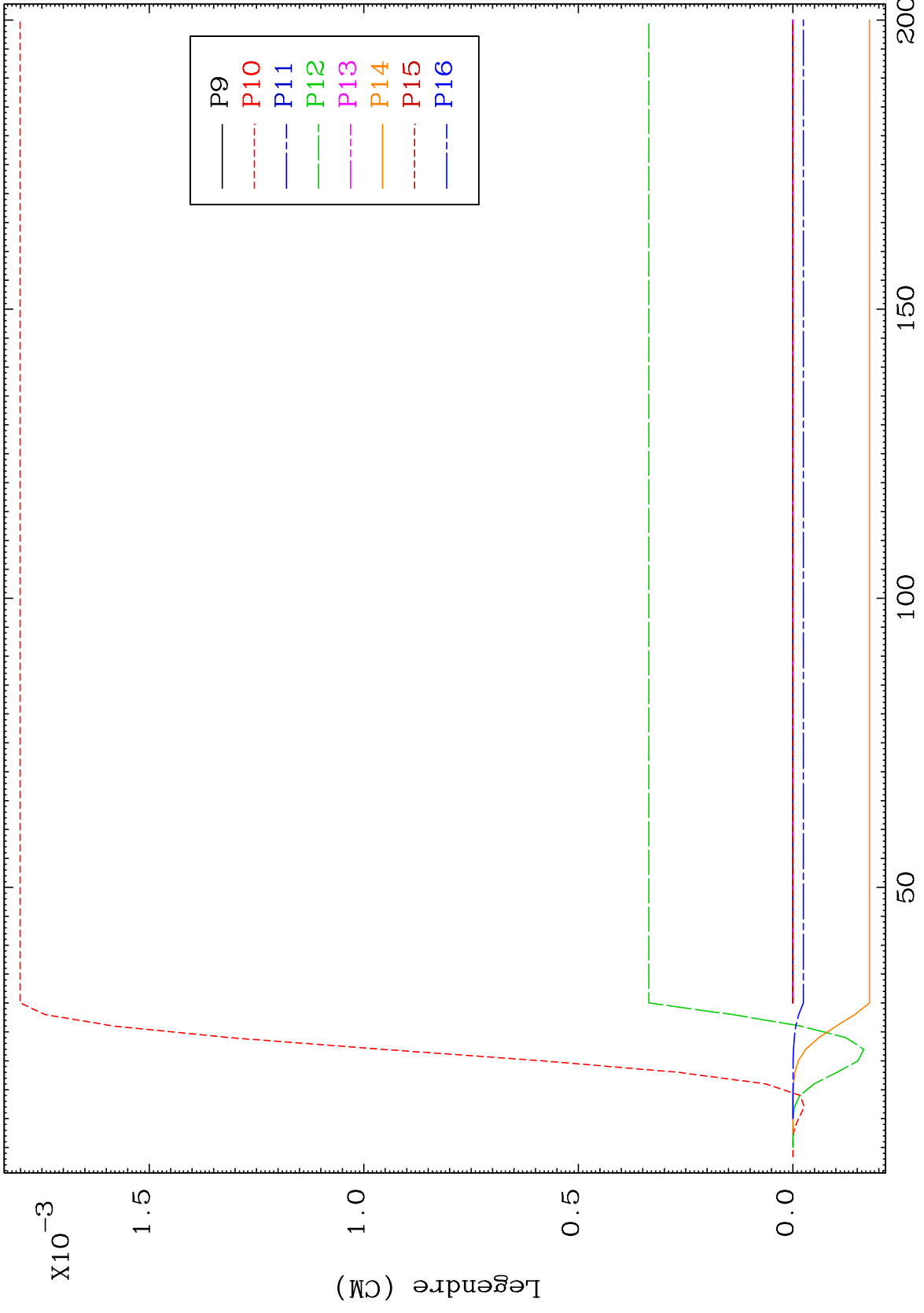
46 Incident Energy (MeV) 30-Zn-74

MAT 3055 MT= 60 (n,n') Level Legendre Coefficients 30-Zn-74



47 30-Zn-74

MAT 3055 MT= 60 (n,n') Level Legendre Coefficients 30-Zn-74

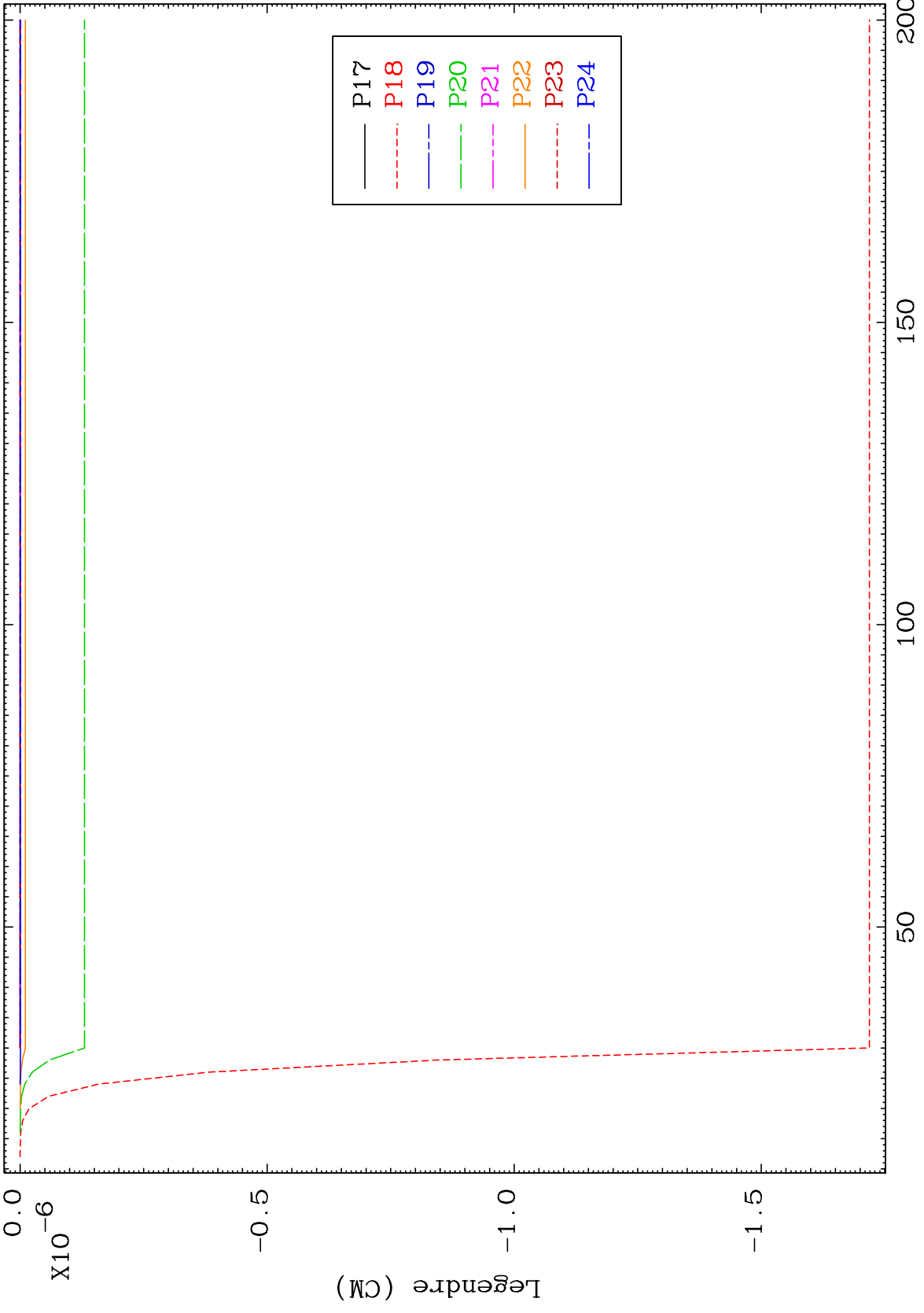


48

Incident Energy (MeV)

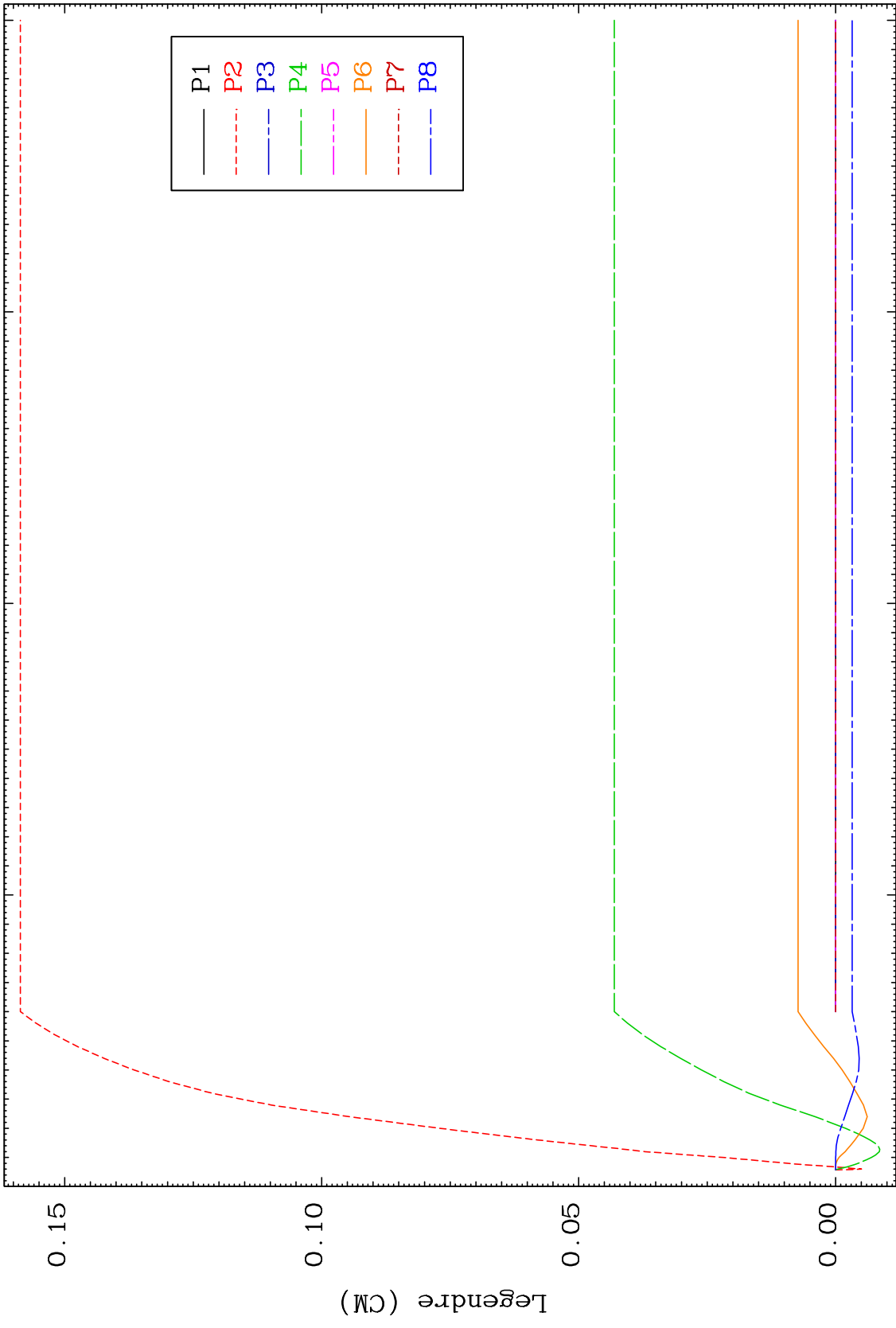
30-Zn-74

MAT 3055 MT= 60 (n,n') Level Legendre Coefficients 30-Zn-74



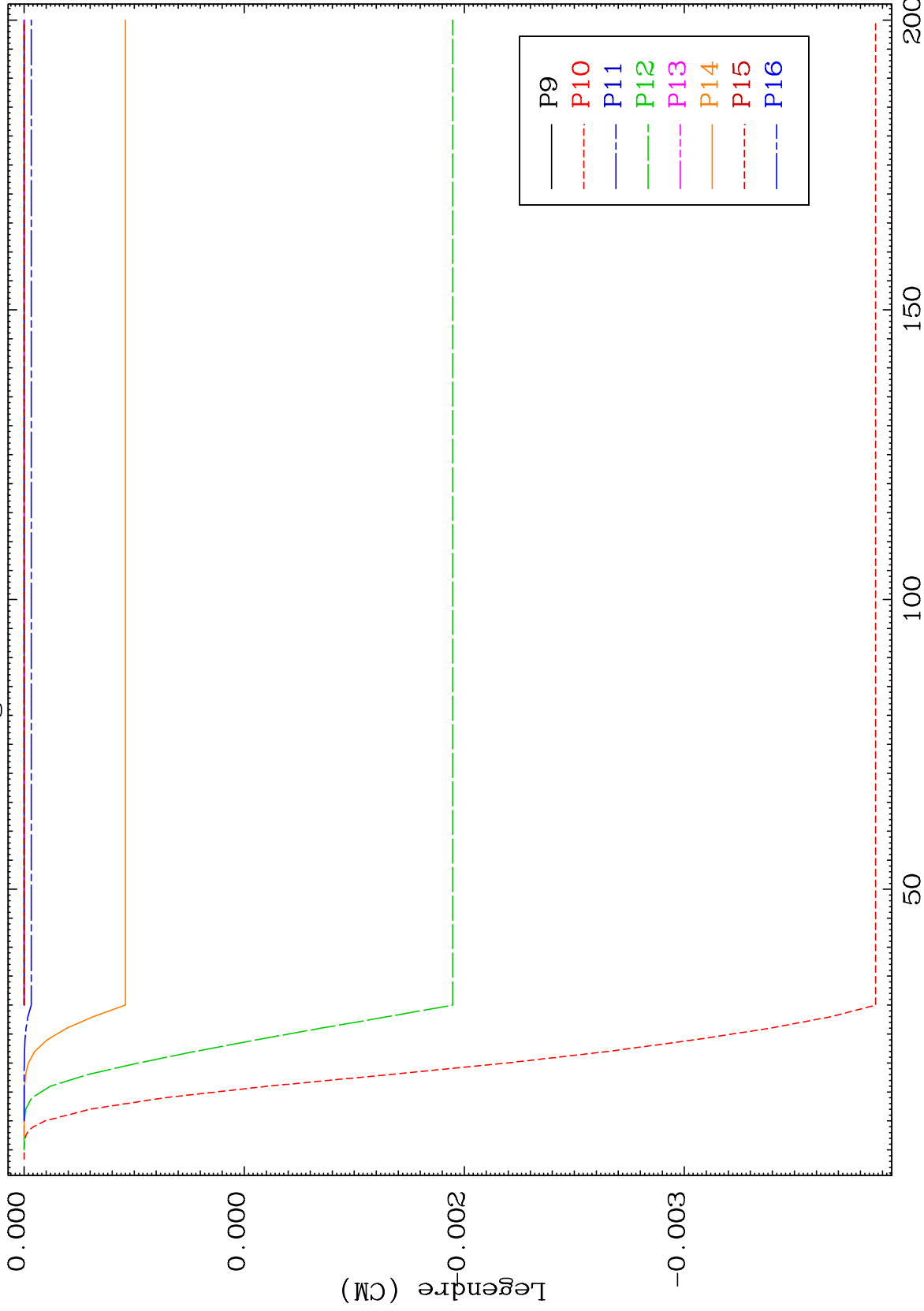
49 Incident Energy (MeV) 30-Zn-74

MAT 3055 MT= 61 (n,n') Level Legendre Coefficients 30-Zn-74



Legendre (CM) Incident Energy (MeV) 30-Zn-74

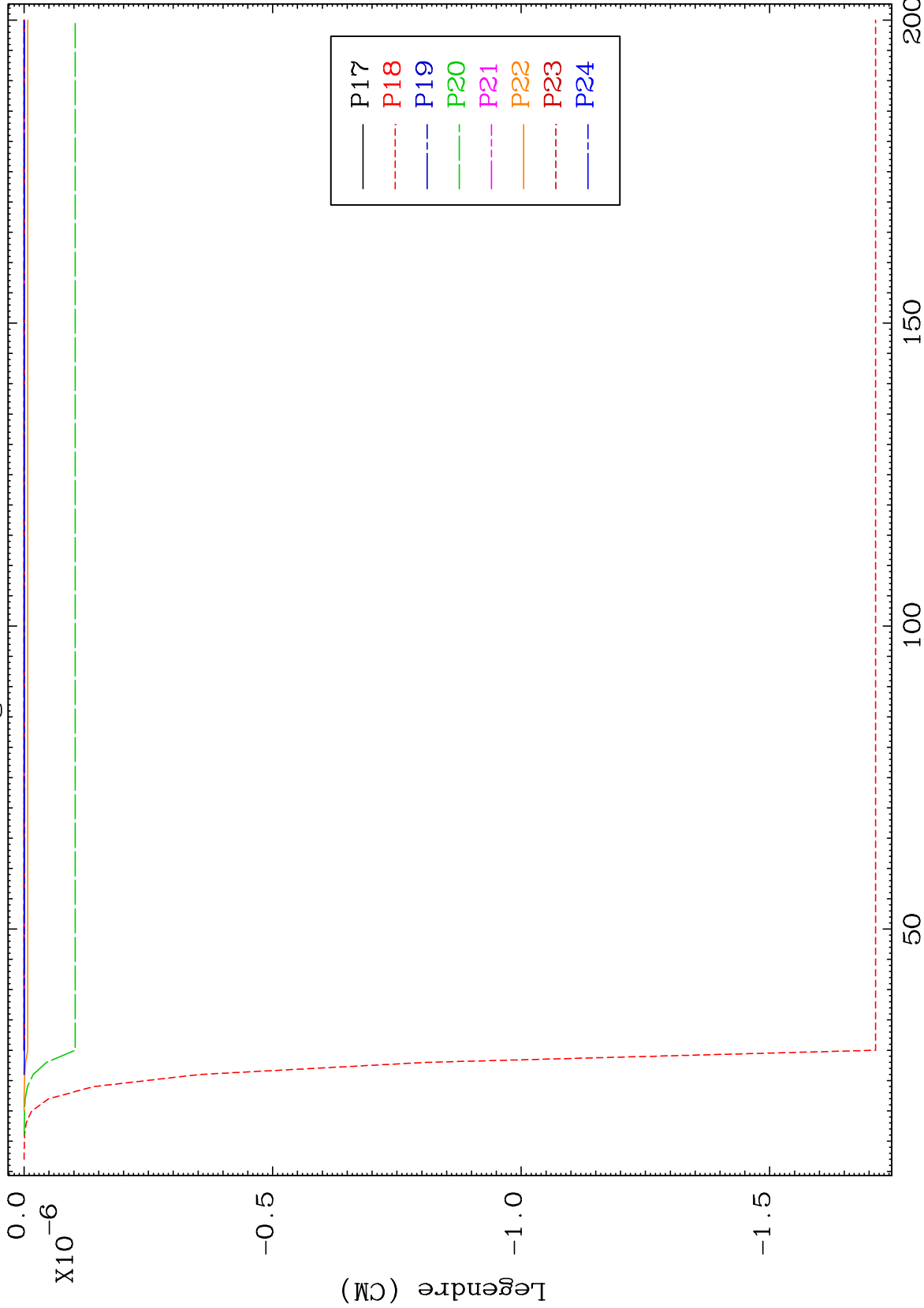
MAT 3055 MT= 61 (n,n') Level Legendre Coefficients 30-Zn-74



MAT 3055 MT= 61 (n,n') Level

Legendre Coefficients

30-Zn-74

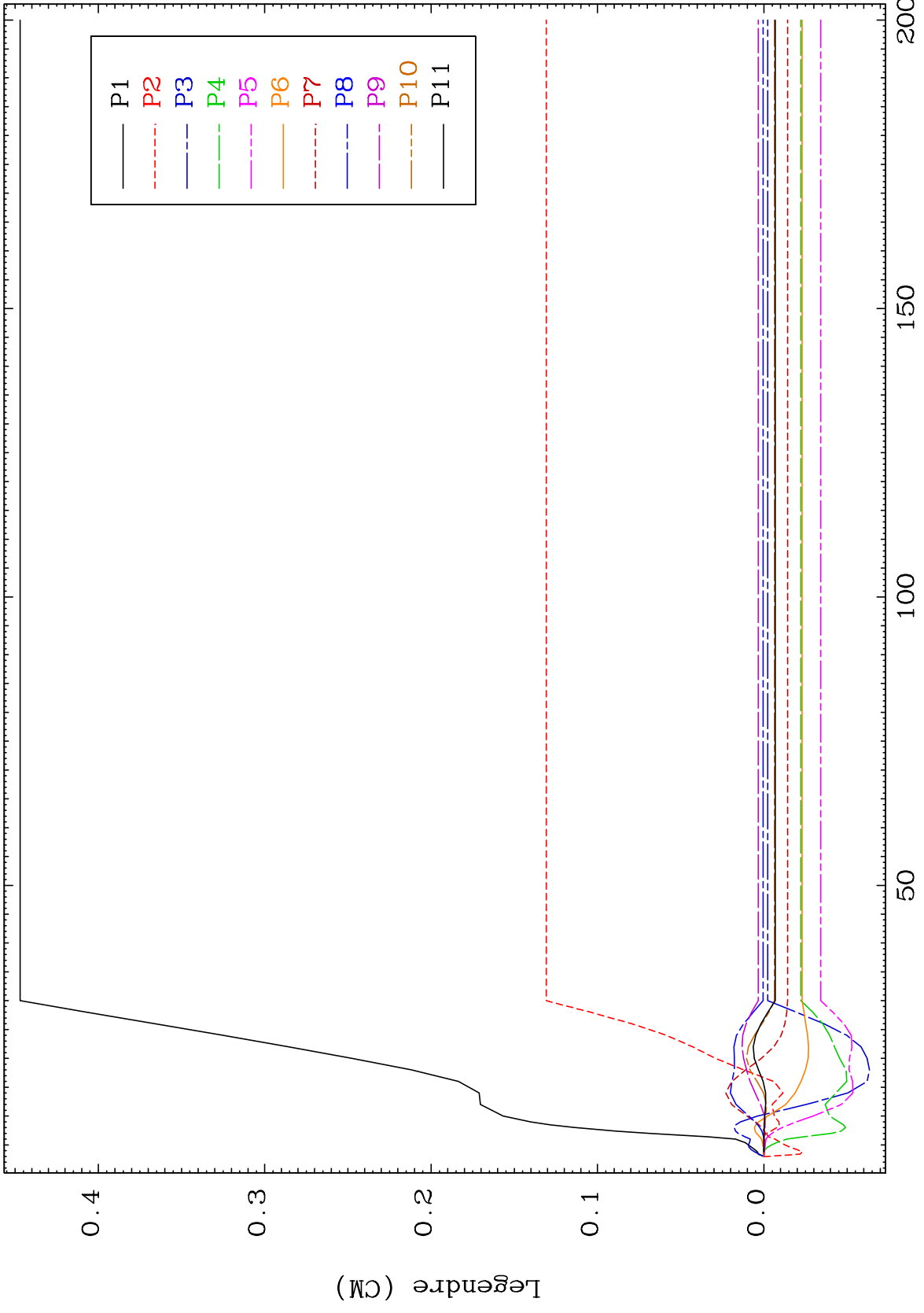


30-Zn-74

Incident Energy (MeV)

52

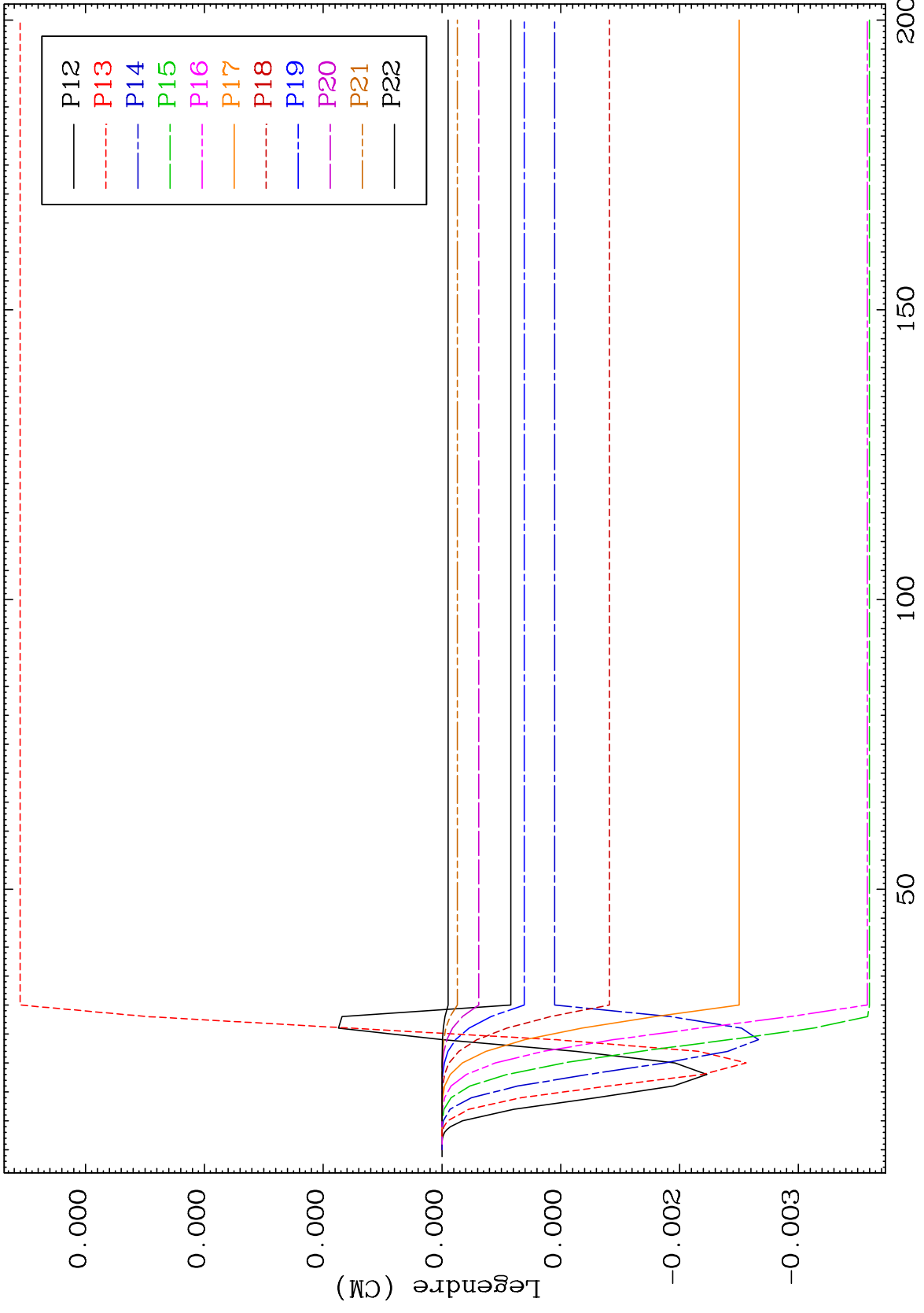
MAT 3055 MT= 62 (n,n') Level Legendre Coefficients 30-Zn-74



MAT 3055

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

30-Zn-74

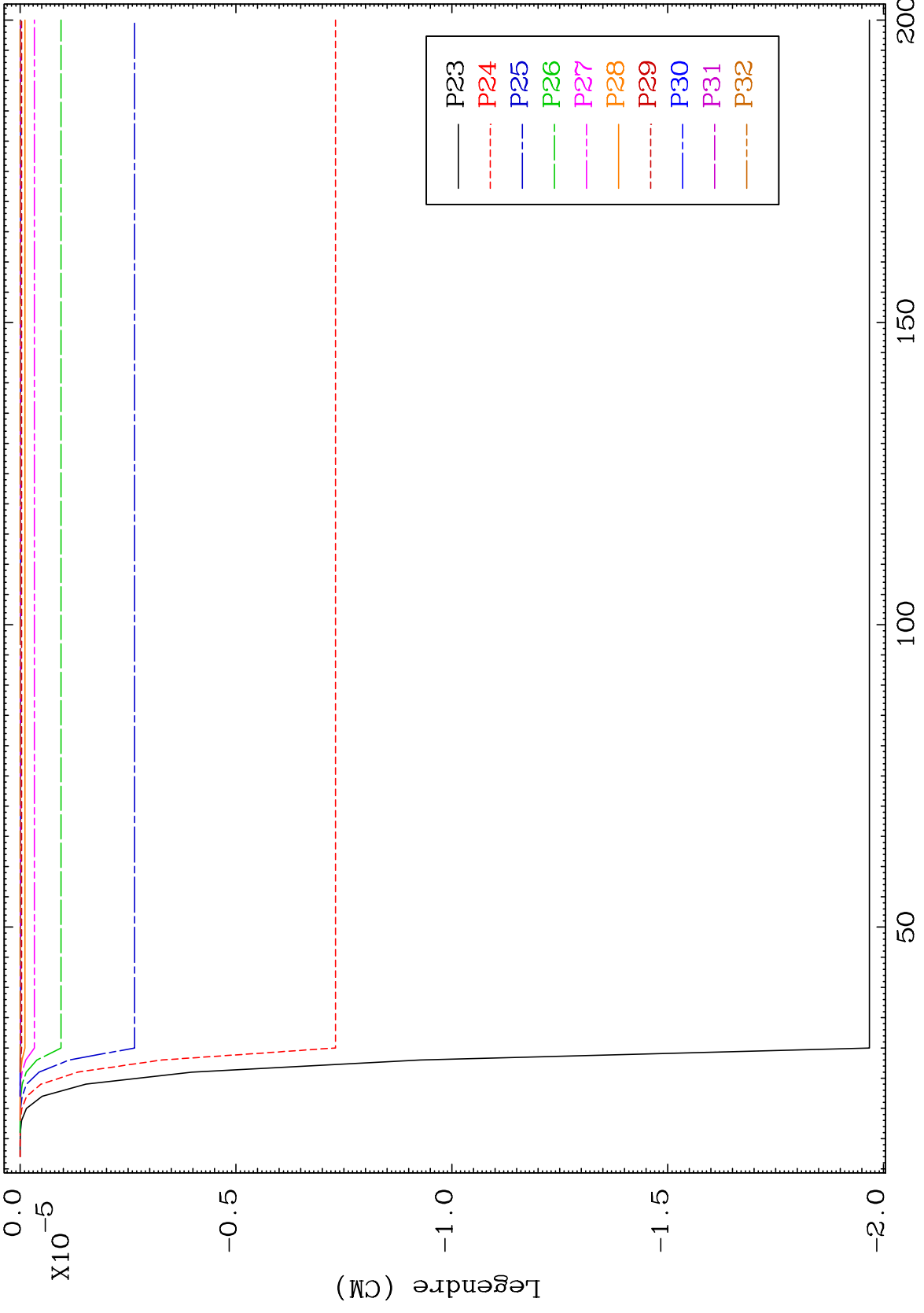


54

Incident Energy (MeV)

30-Zn-74

MAT 3055 MT= 62 (n,n') Level Legendre Coefficients 30-Zn-74

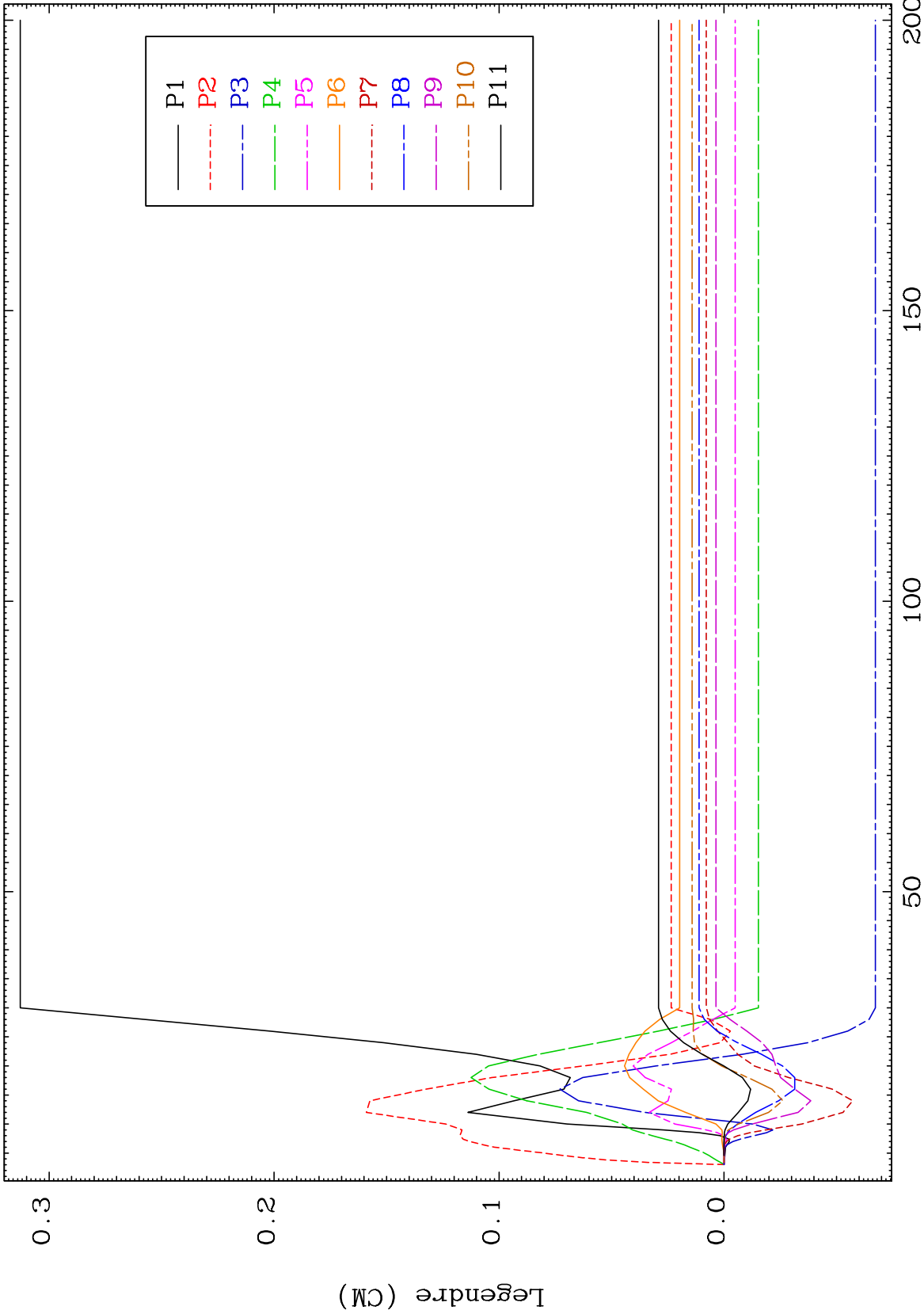


55 Incident Energy (MeV) 200 30-Zn-74

MAT 3055

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

30-Zn-74



56

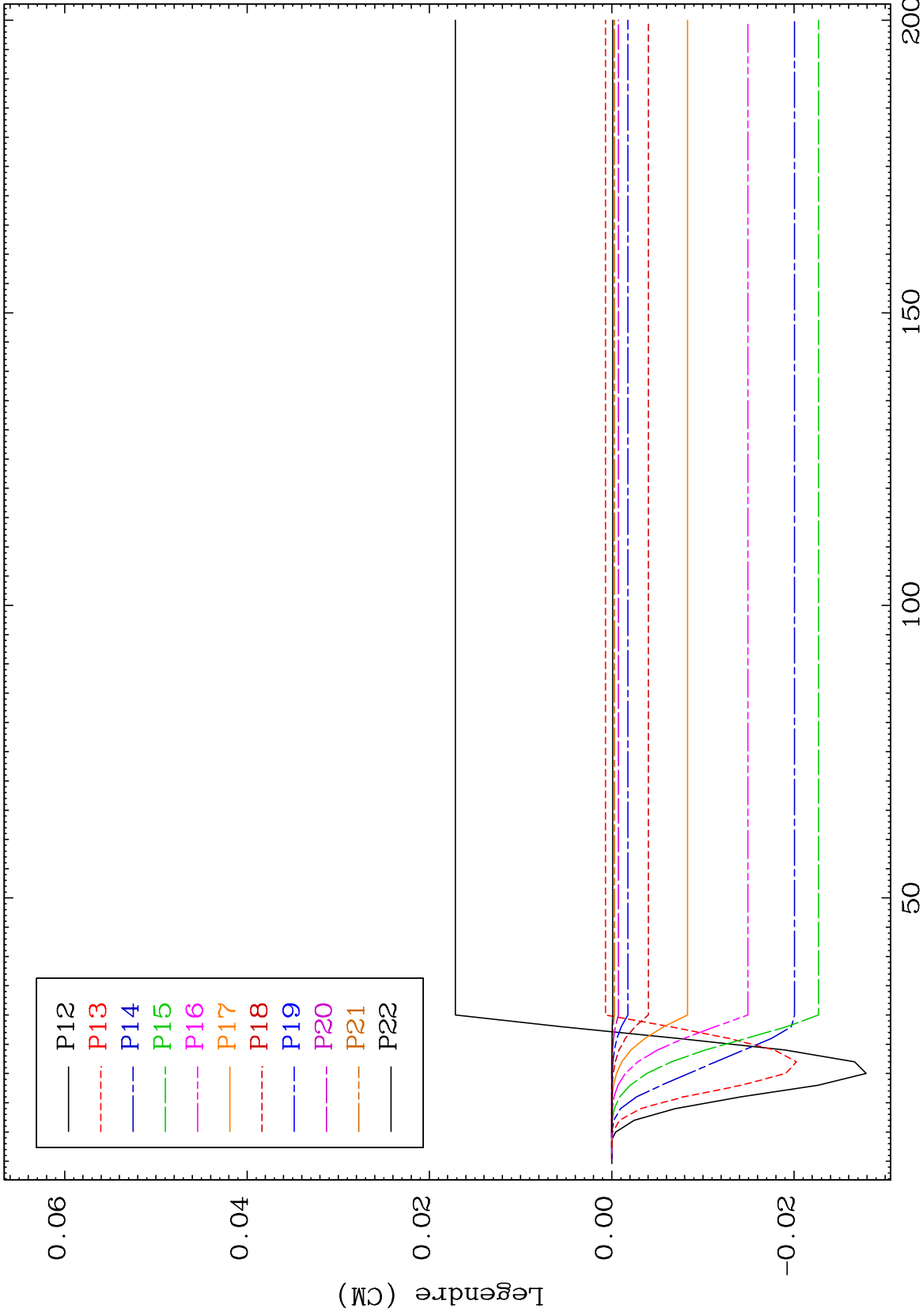
Incident Energy (MeV)

30-Zn-74

MAT 3055

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

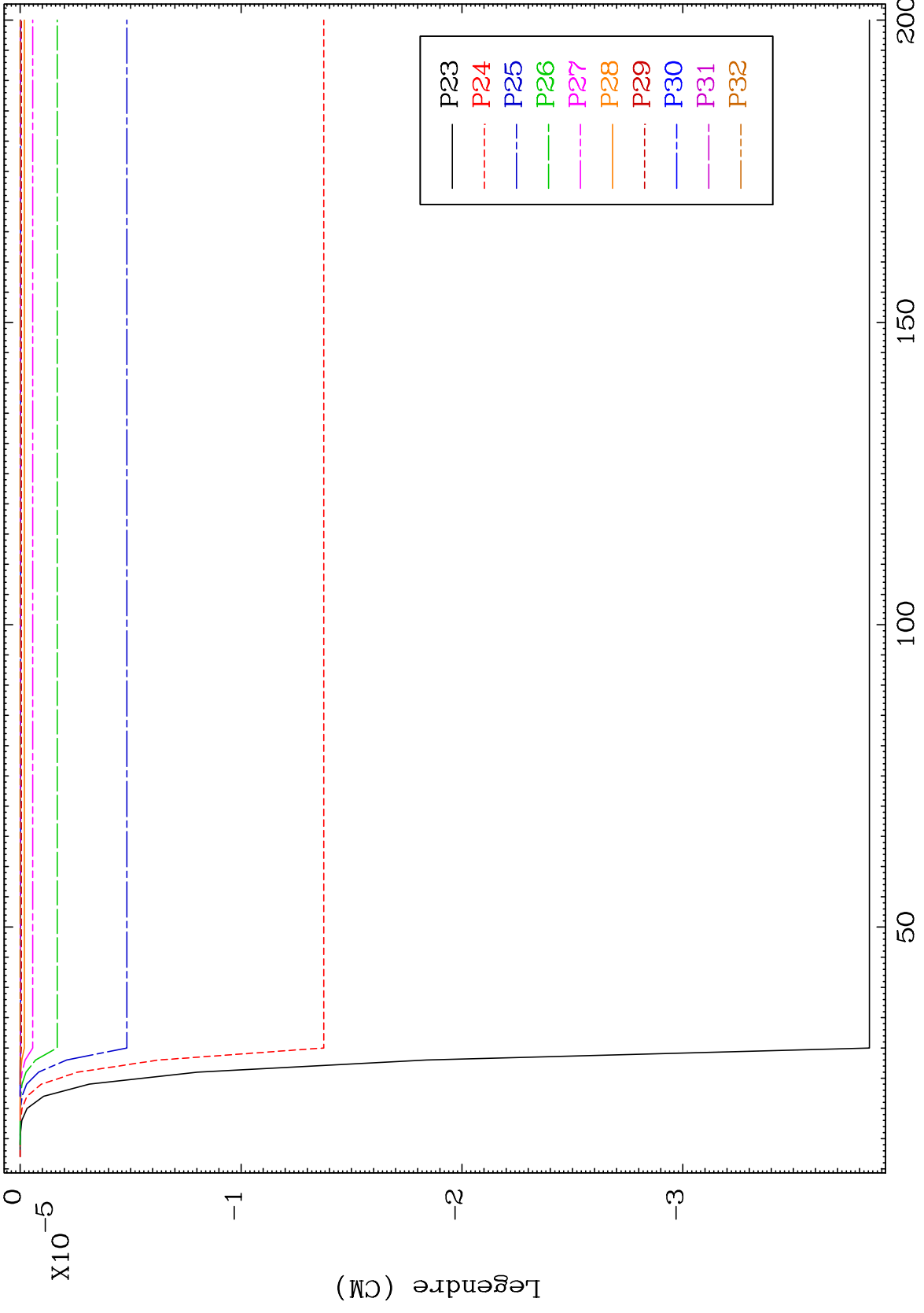
30-Zn-74



57

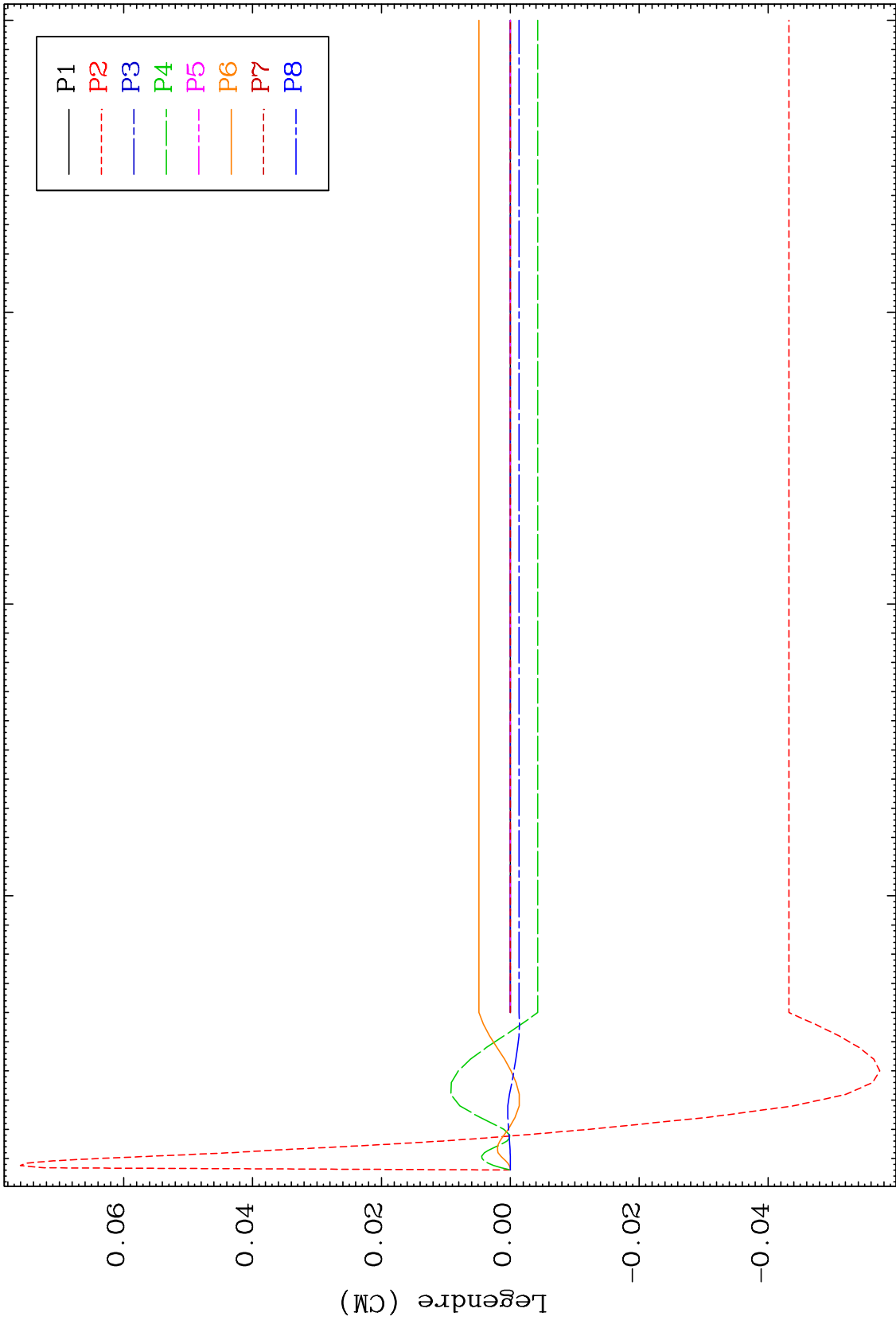
30-Zn-74

MAT 3055 MT= 63 (n,n') Level Legendre Coefficients 30-Zn-74



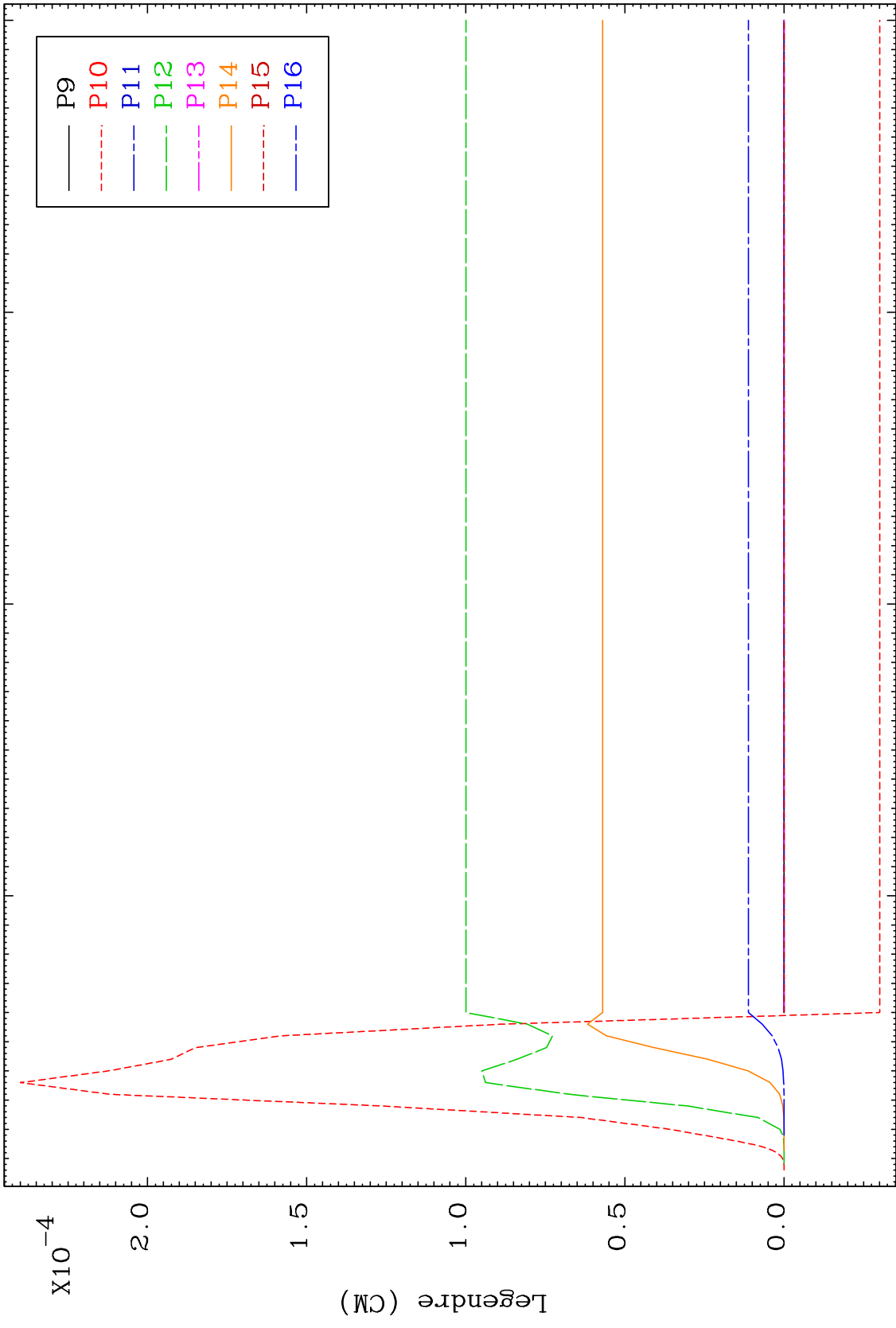
58 Incident Energy (MeV) 200 30-Zn-74

MAT 3055 MT= 64 (n,n') Level Legendre Coefficients 30-Zn-74



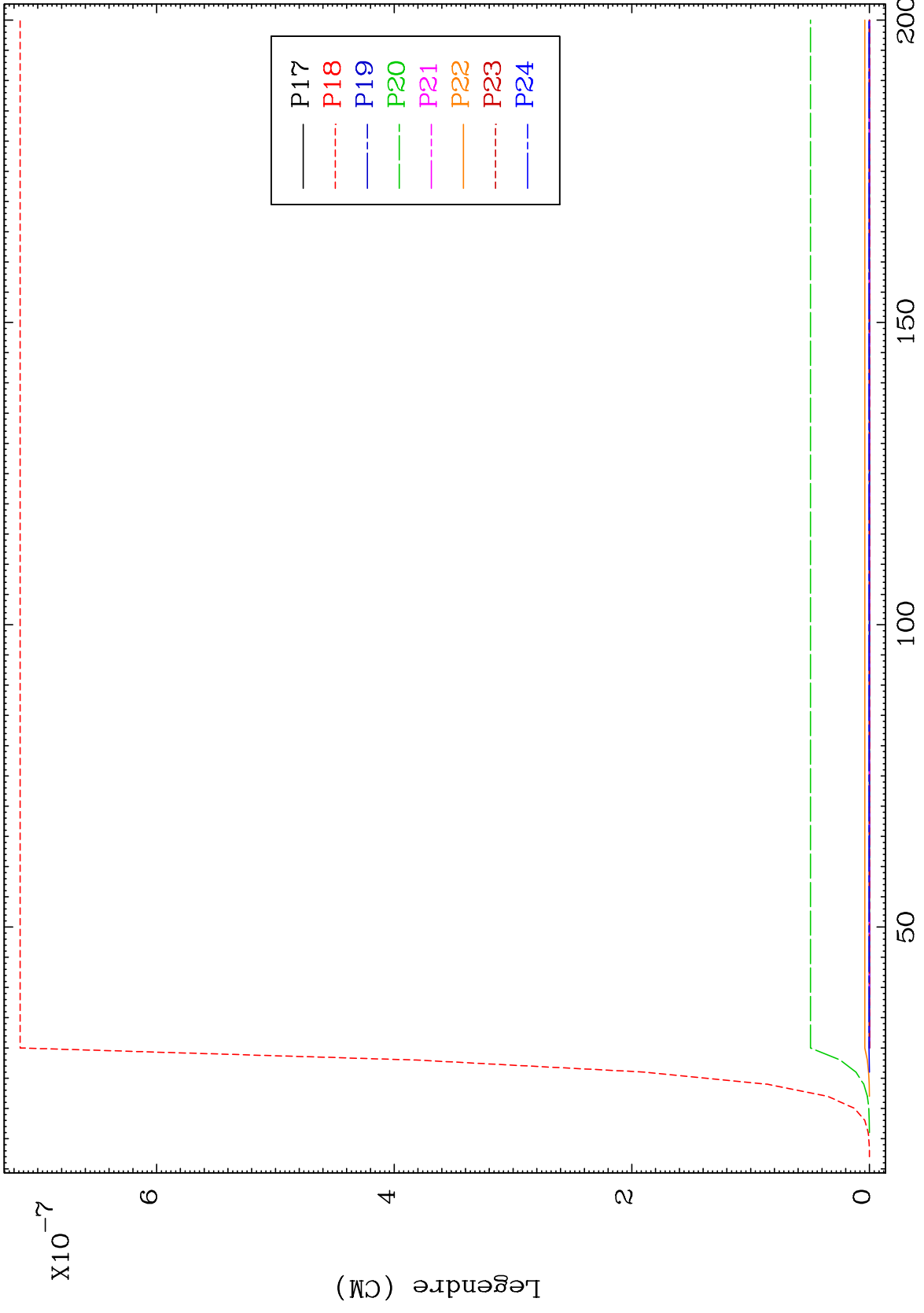
59 Incident Energy (MeV) 30-Zn-74

MAT 3055 MT= 64 (n,n') Level Legendre Coefficients 30-Zn-74



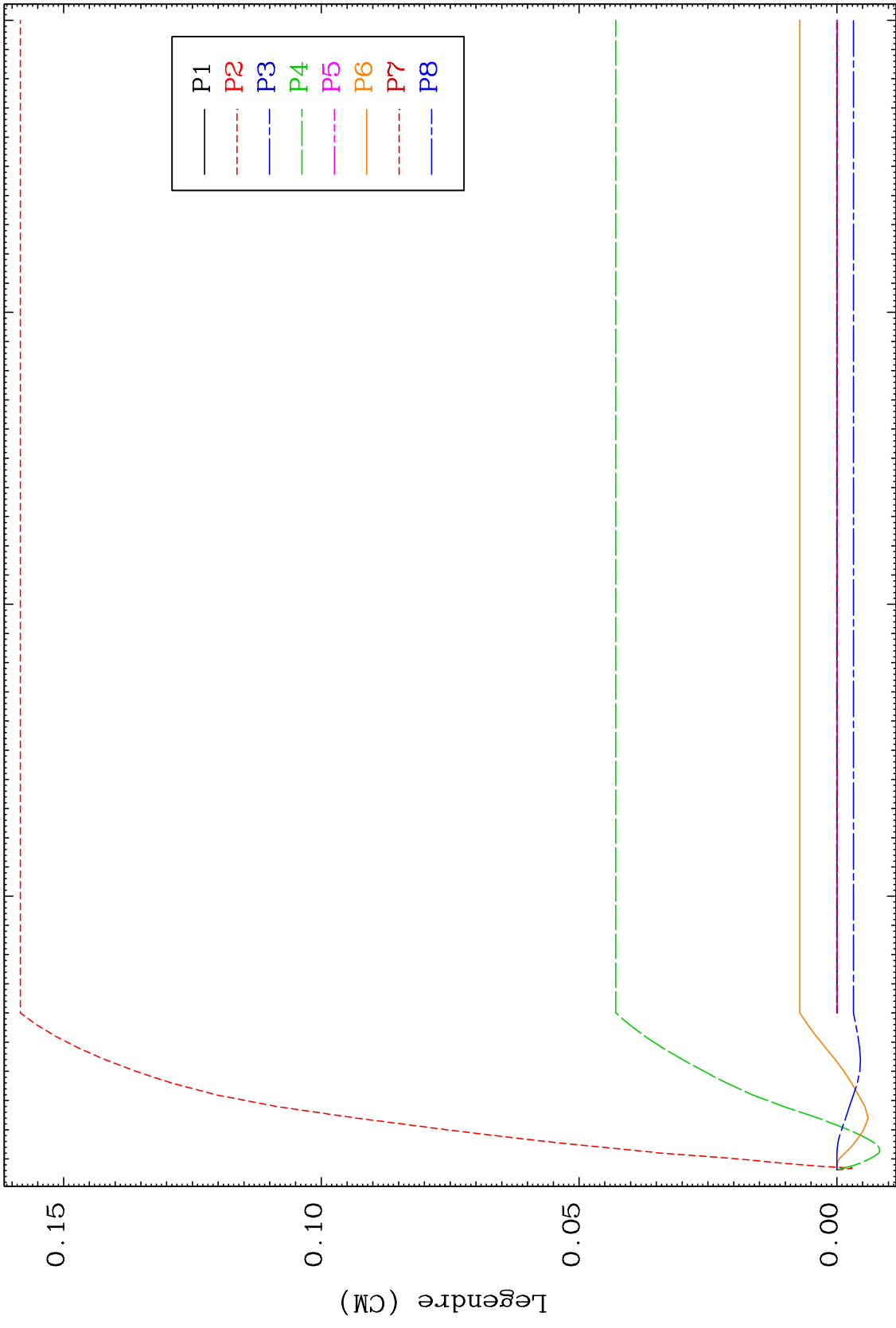
60 Incident Energy (MeV) 30-Zn-74

MAT 3055 MT= 64 (n,n') Level Legendre Coefficients 30-Zn-74



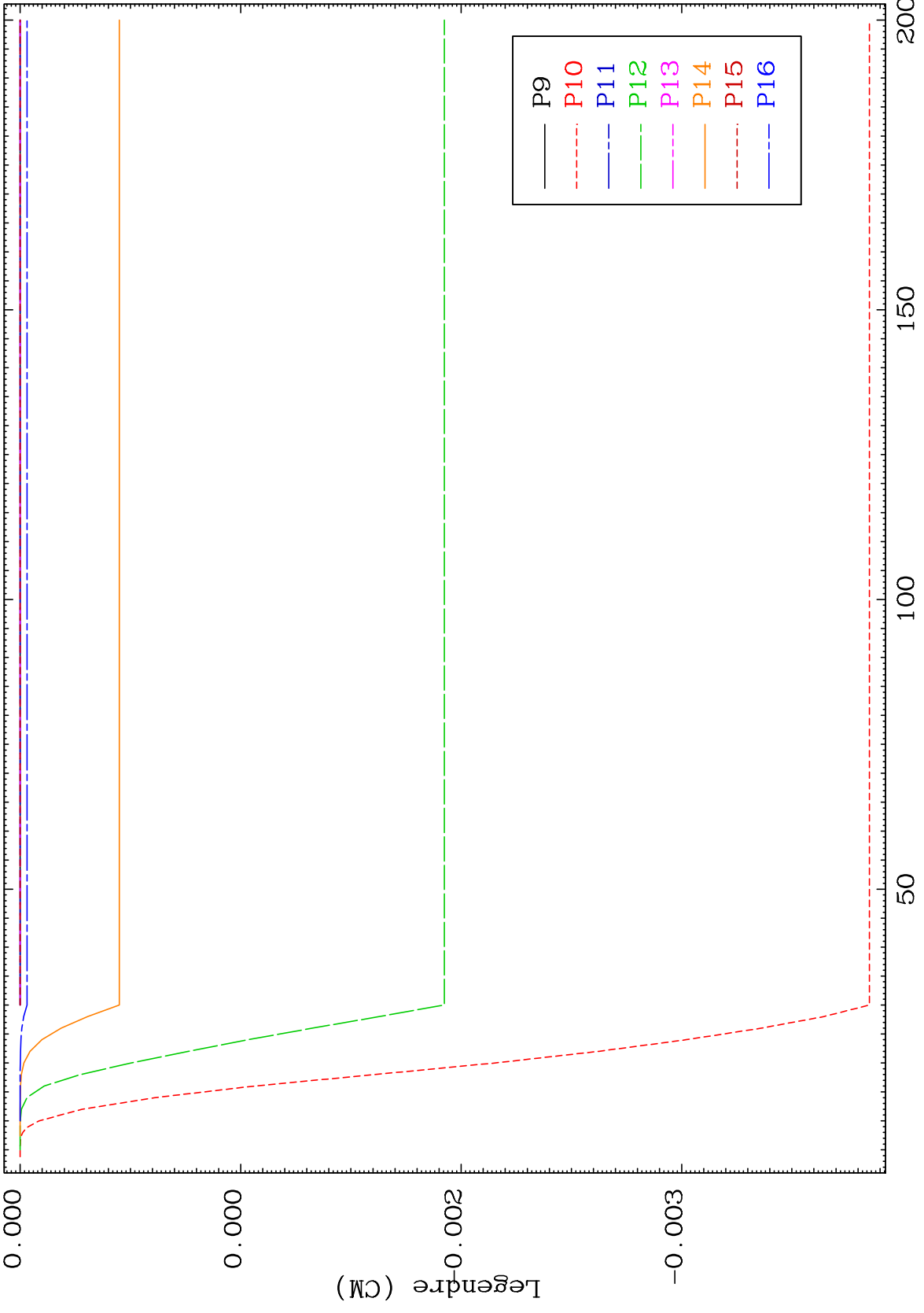
61 Incident Energy (MeV) 30-Zn-74

MAT 3055 MT= 65 (n,n') Level Legendre Coefficients 30-Zn-74

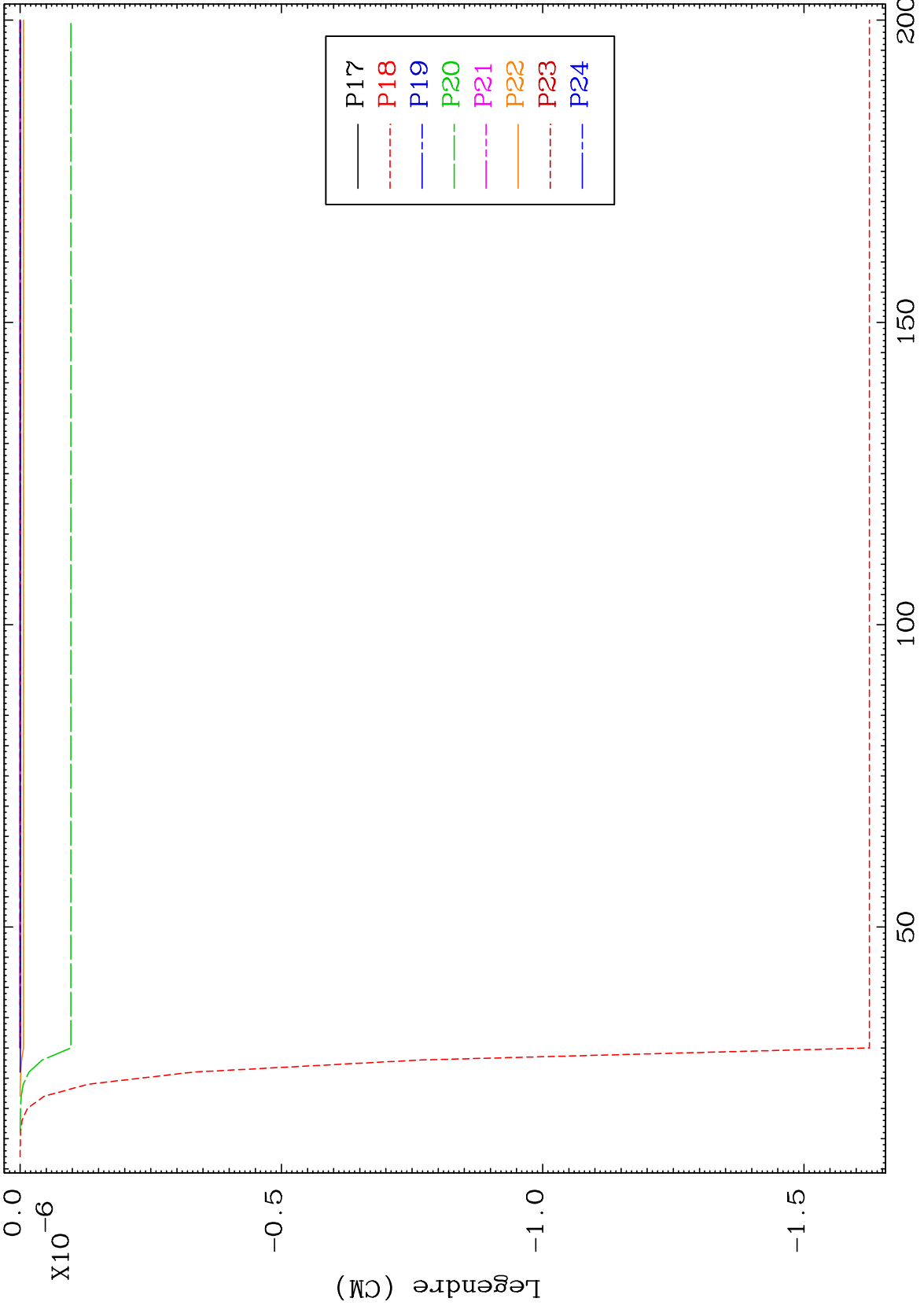


62 Incident Energy (MeV) 30-Zn-74

MAT 3055 MT= 65 (n,n') Level Legendre Coefficients 30-Zn-74



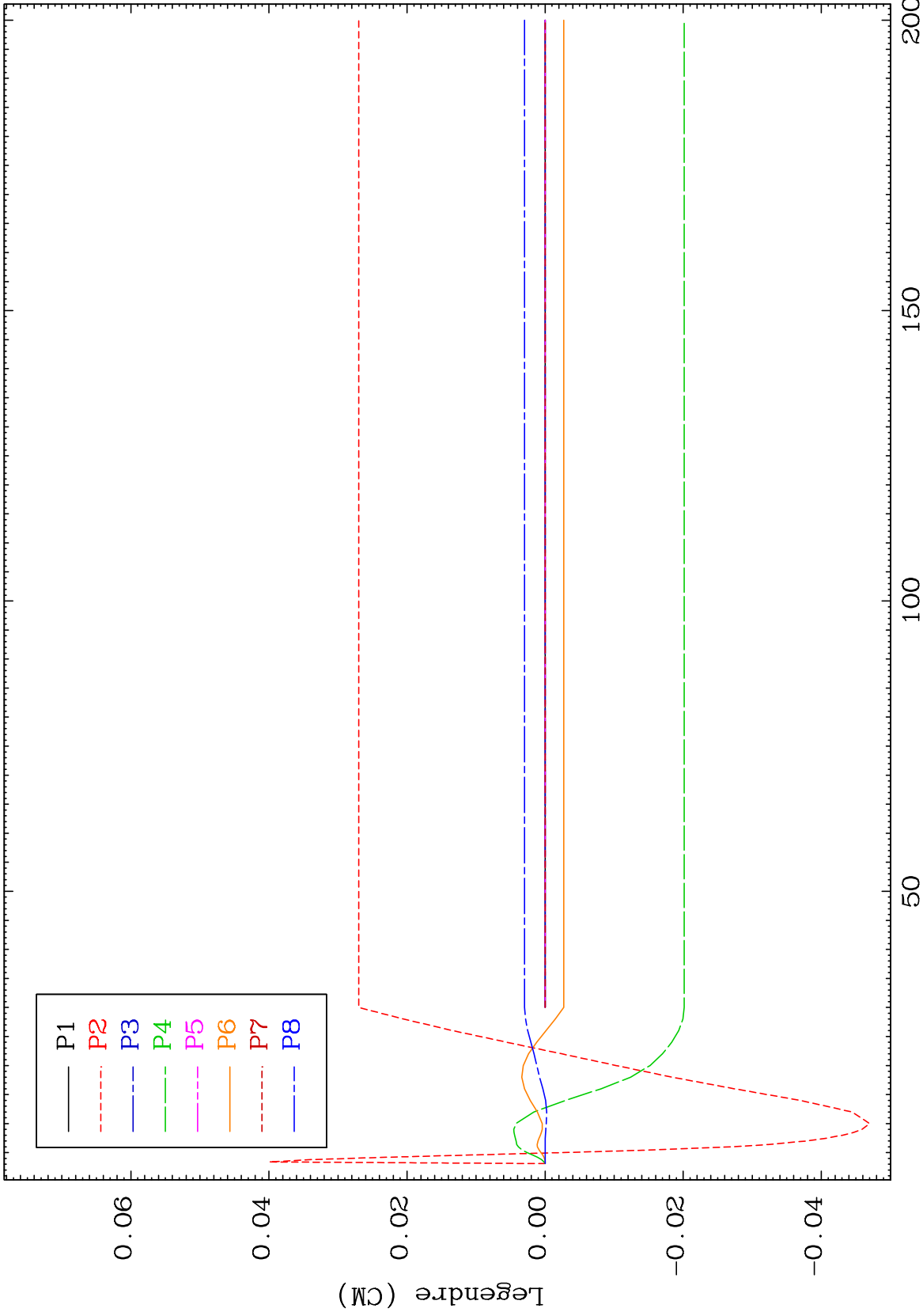
MAT 3055 MT= 65 (n,n') Level Legendre Coefficients 30-Zn-74



MAT 3055

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

30-Zn-74



65

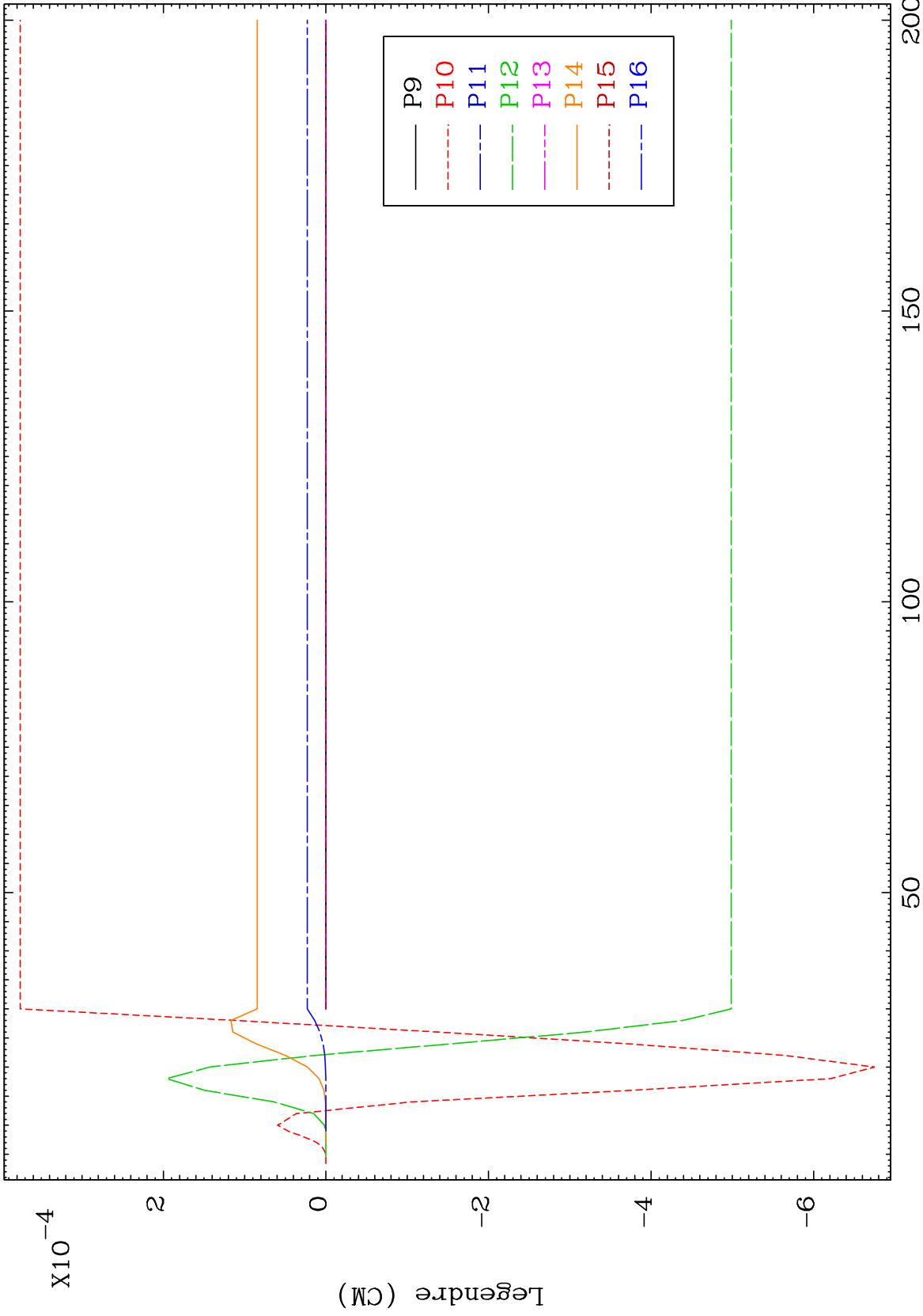
Incident Energy (MeV)

30-Zn-74

MAT 3055

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

30-Zn-74

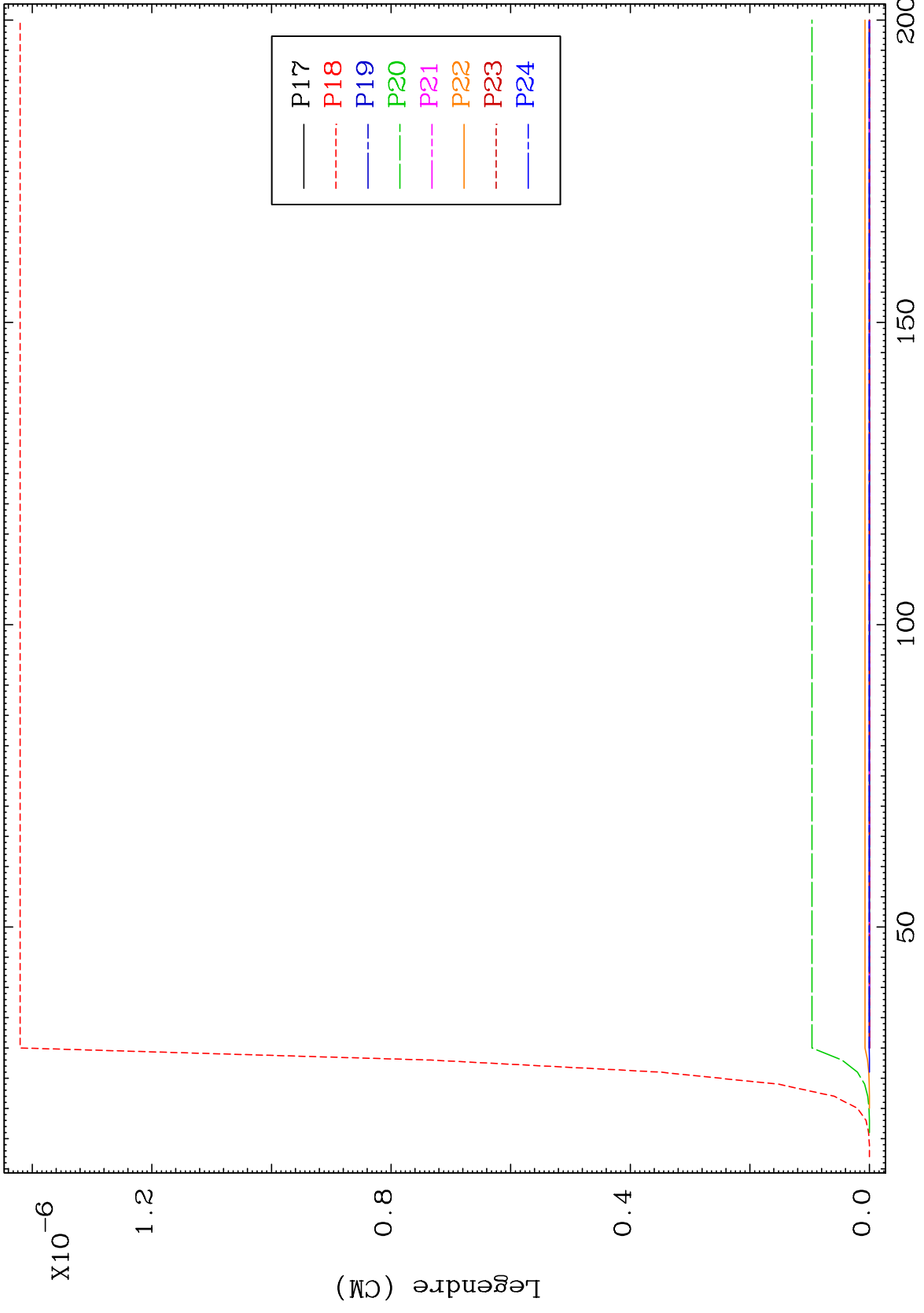


66

Incident Energy (MeV)

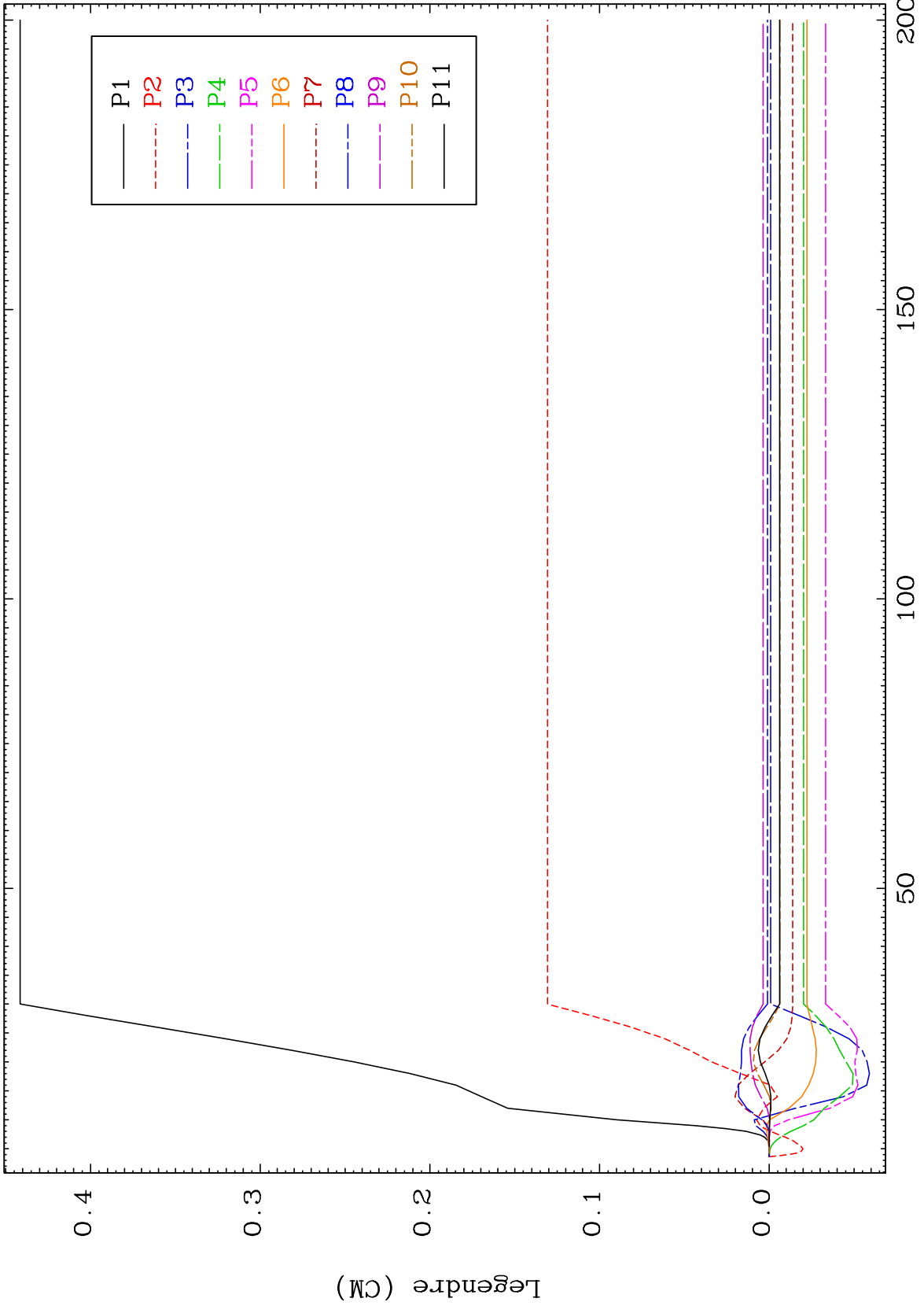
30-Zn-74

MAT 3055 MT= 66 (n,n') Level Legendre Coefficients 30-Zn-74

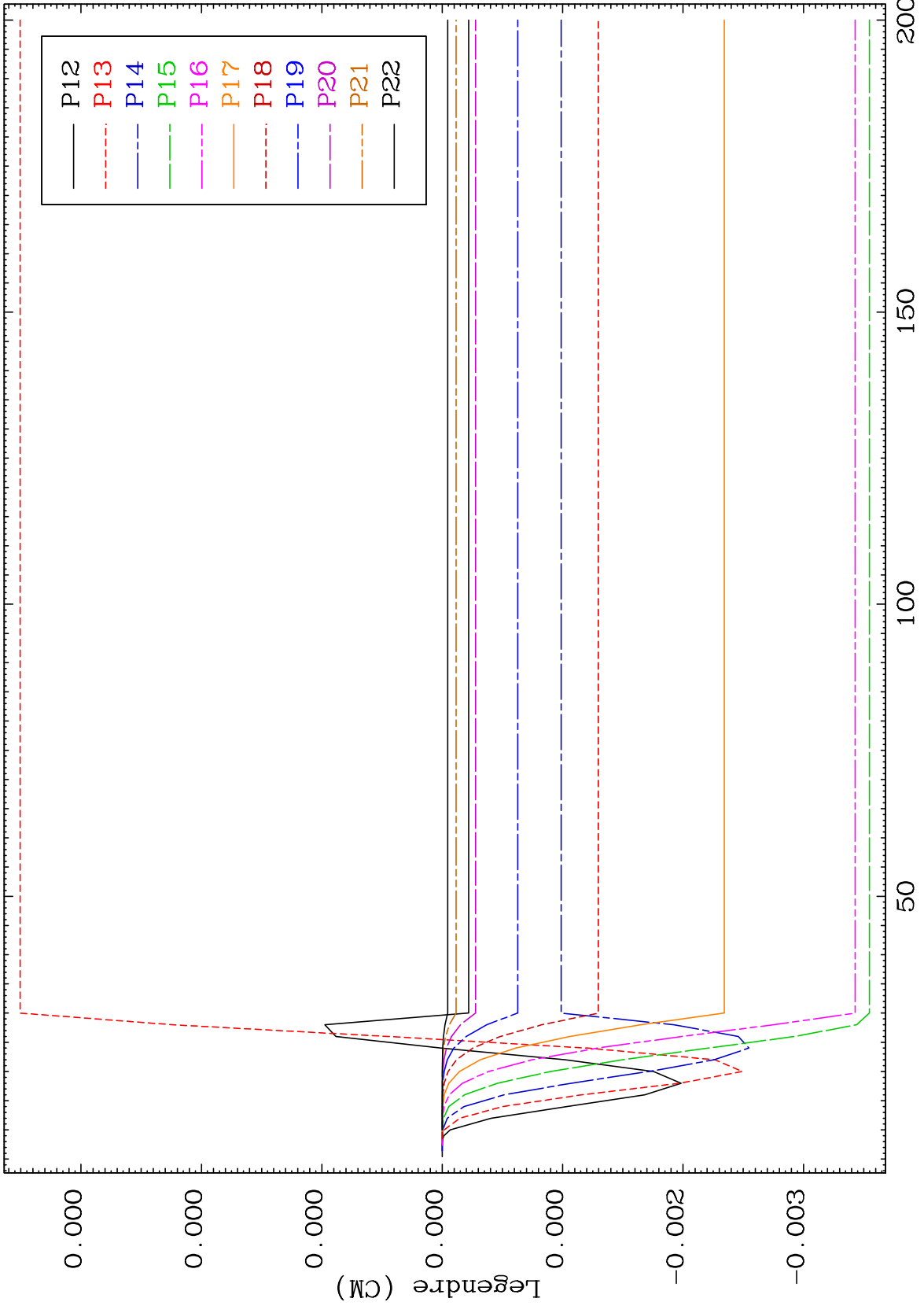


67 30-Zn-74

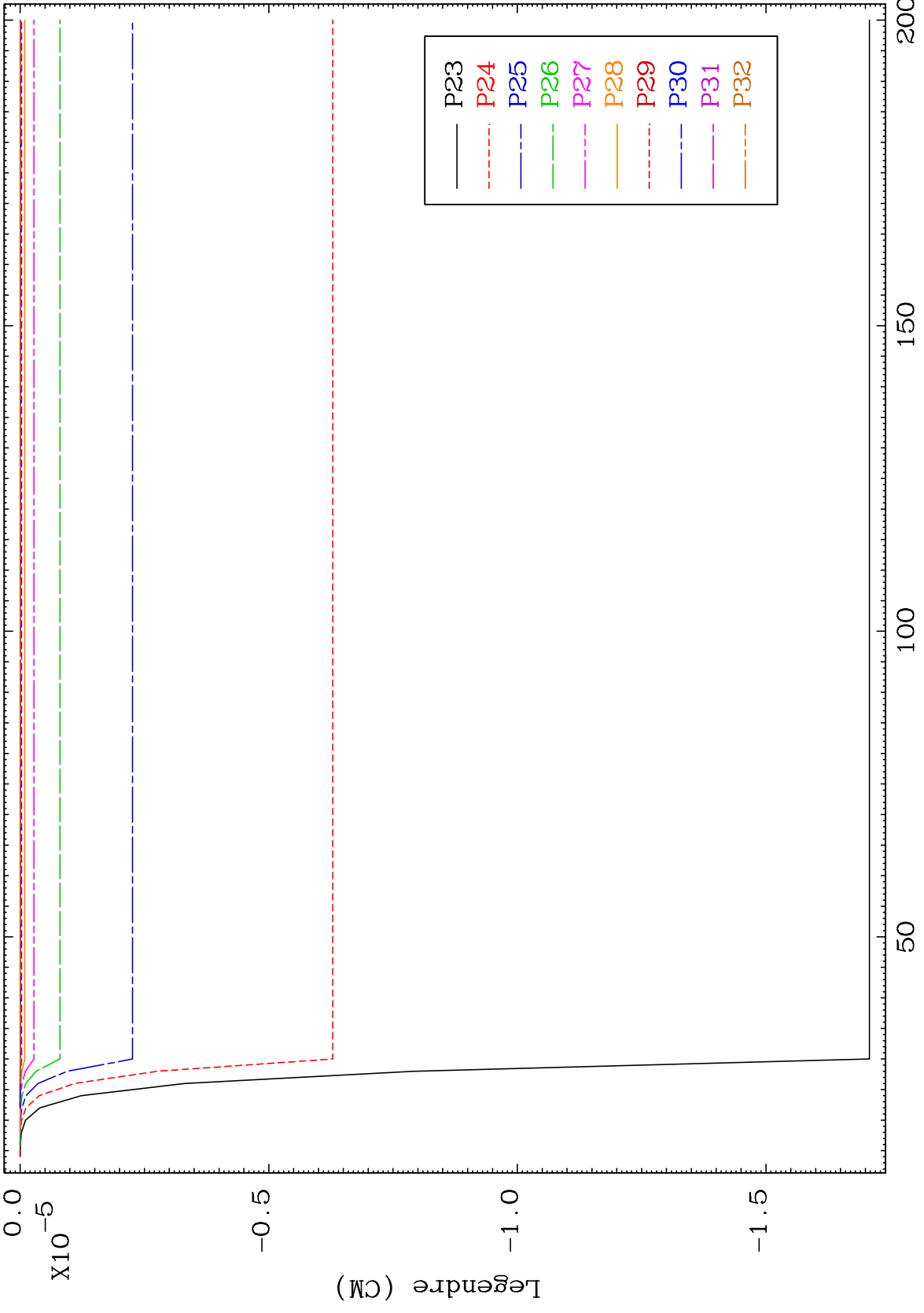
MAT 3055 MT= 67 (n,n') Level Legendre Coefficients 30-Zn-74



MAT 3055 MT= 67 (n,n') Level Legendre Coefficients 30-Zn-74

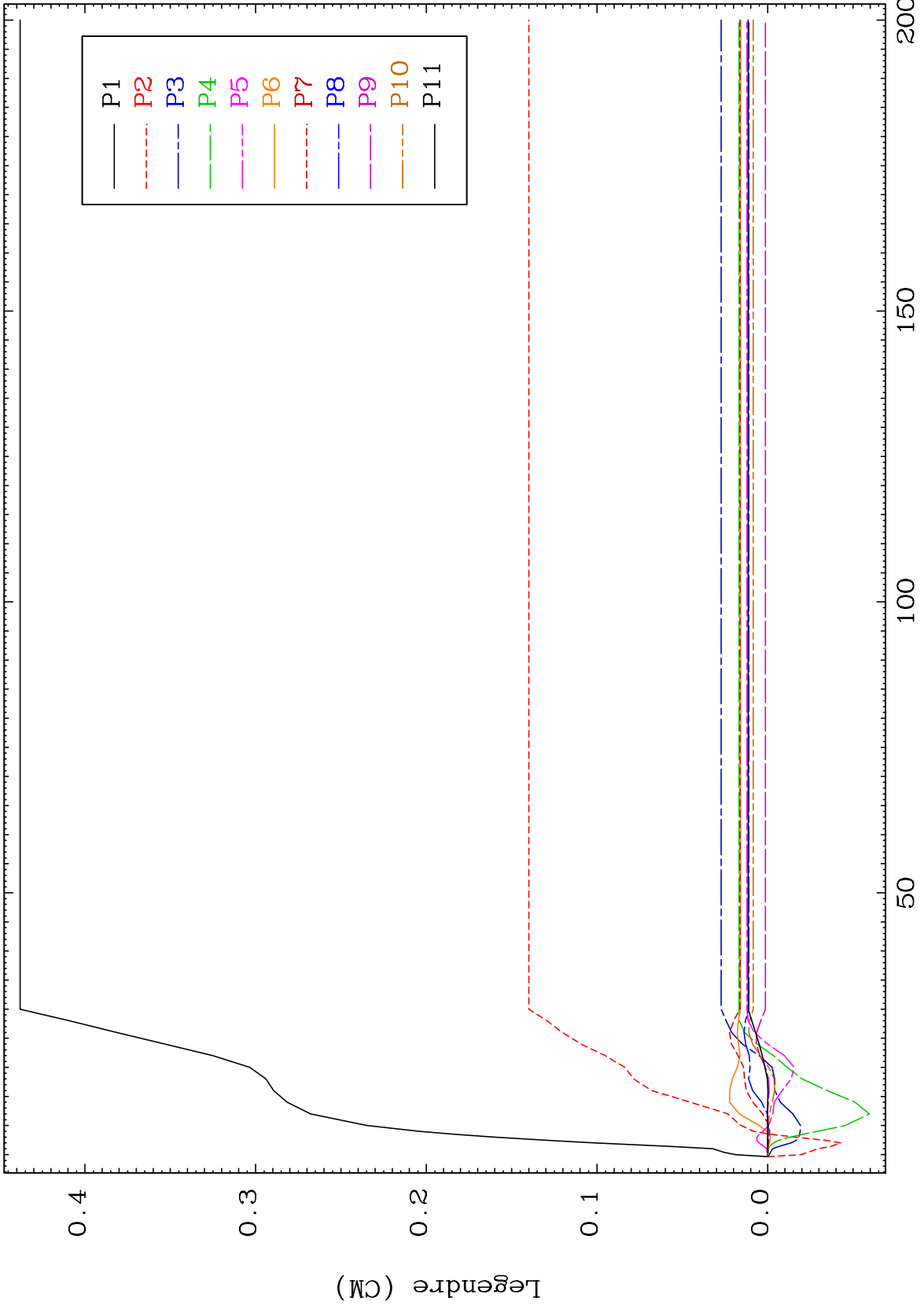


MAT 3055 MT= 67 (n,n') Level Legendre Coefficients 30-Zn-74



70 50 100 150 200 30-Zn-74

MAT 3055 MT= 68 (n,n') Level Legendre Coefficients 30-Zn-74

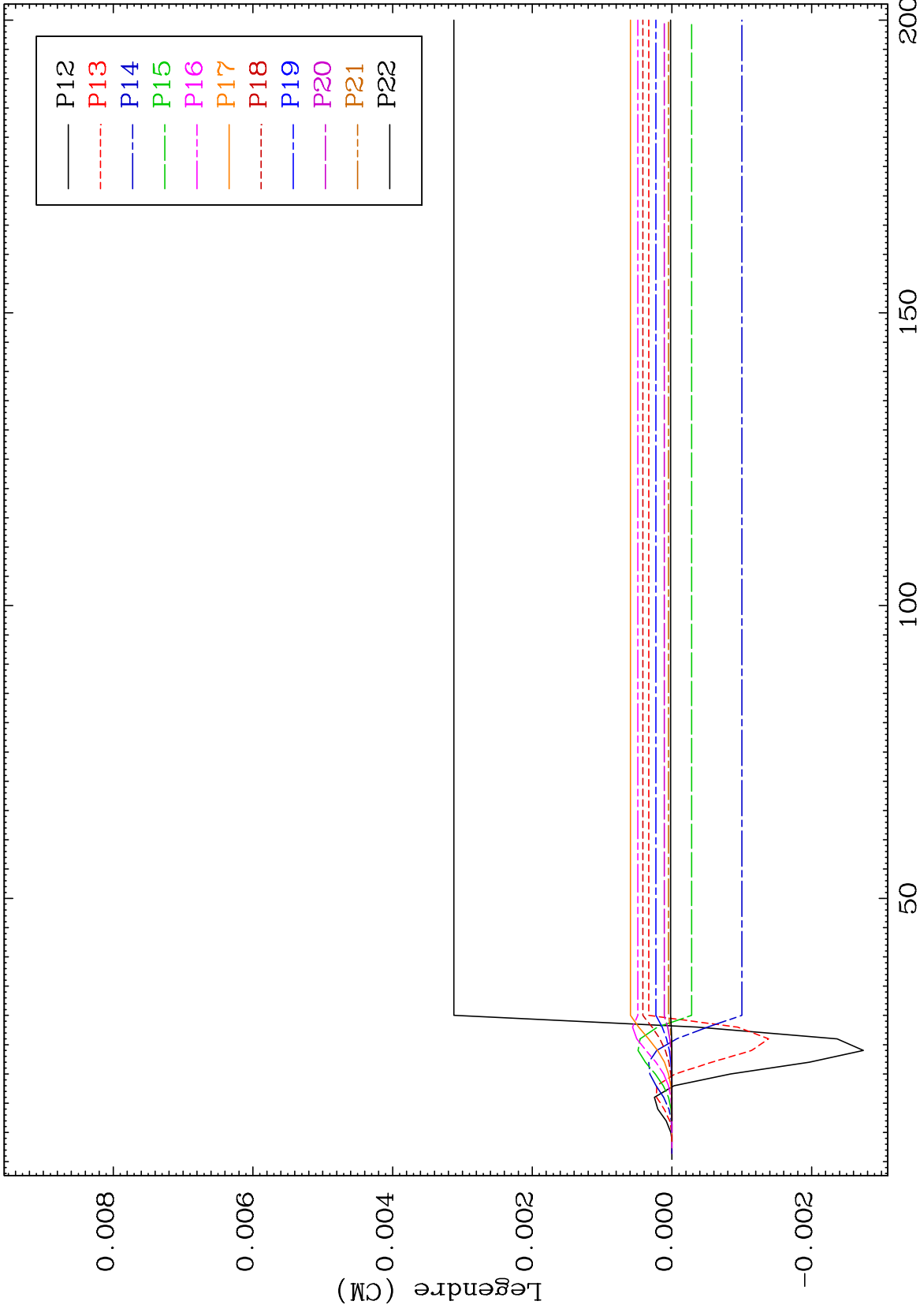


71 30-Zn-74

MAT 3055

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

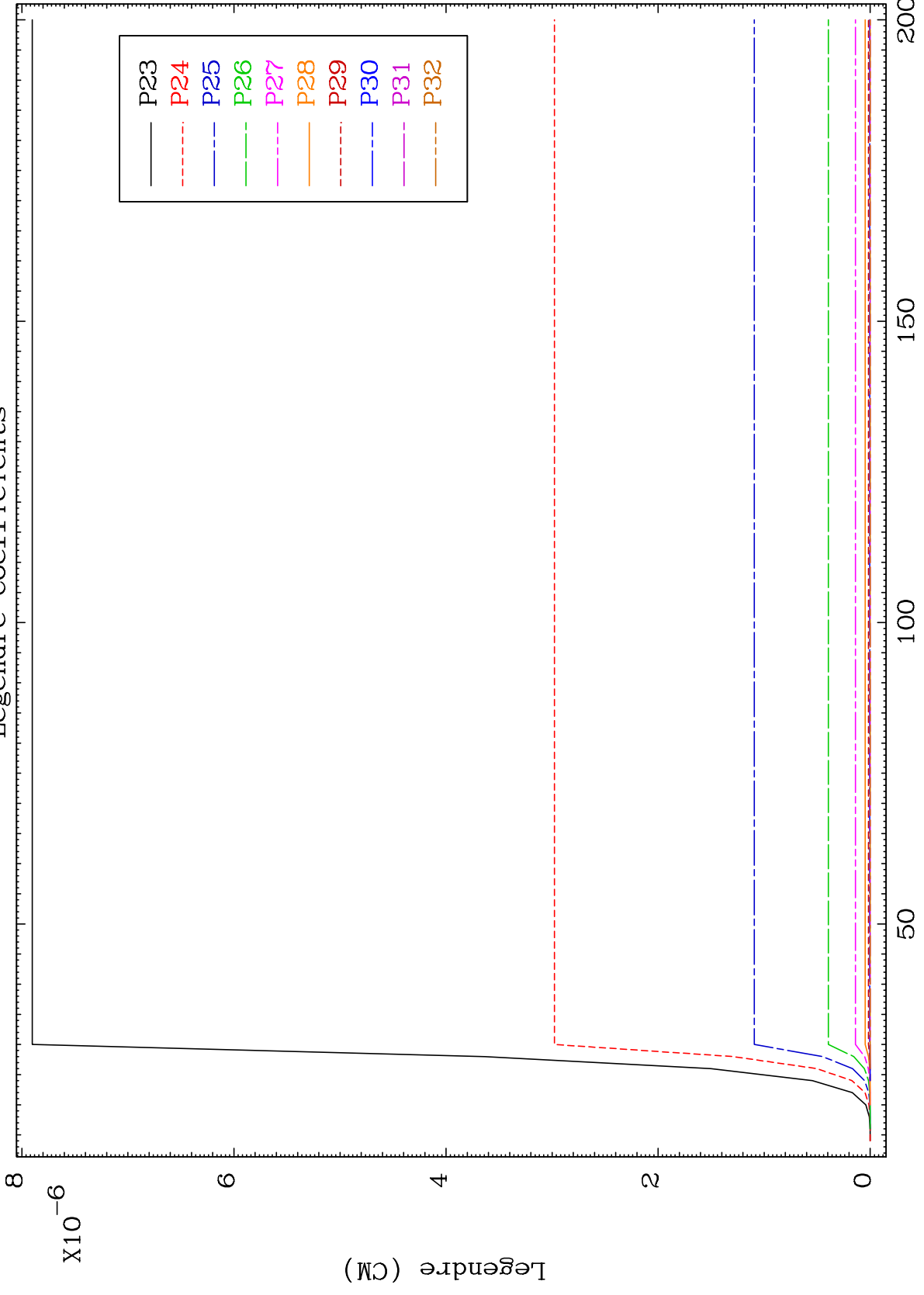
30-Zn-74



72

30-Zn-74

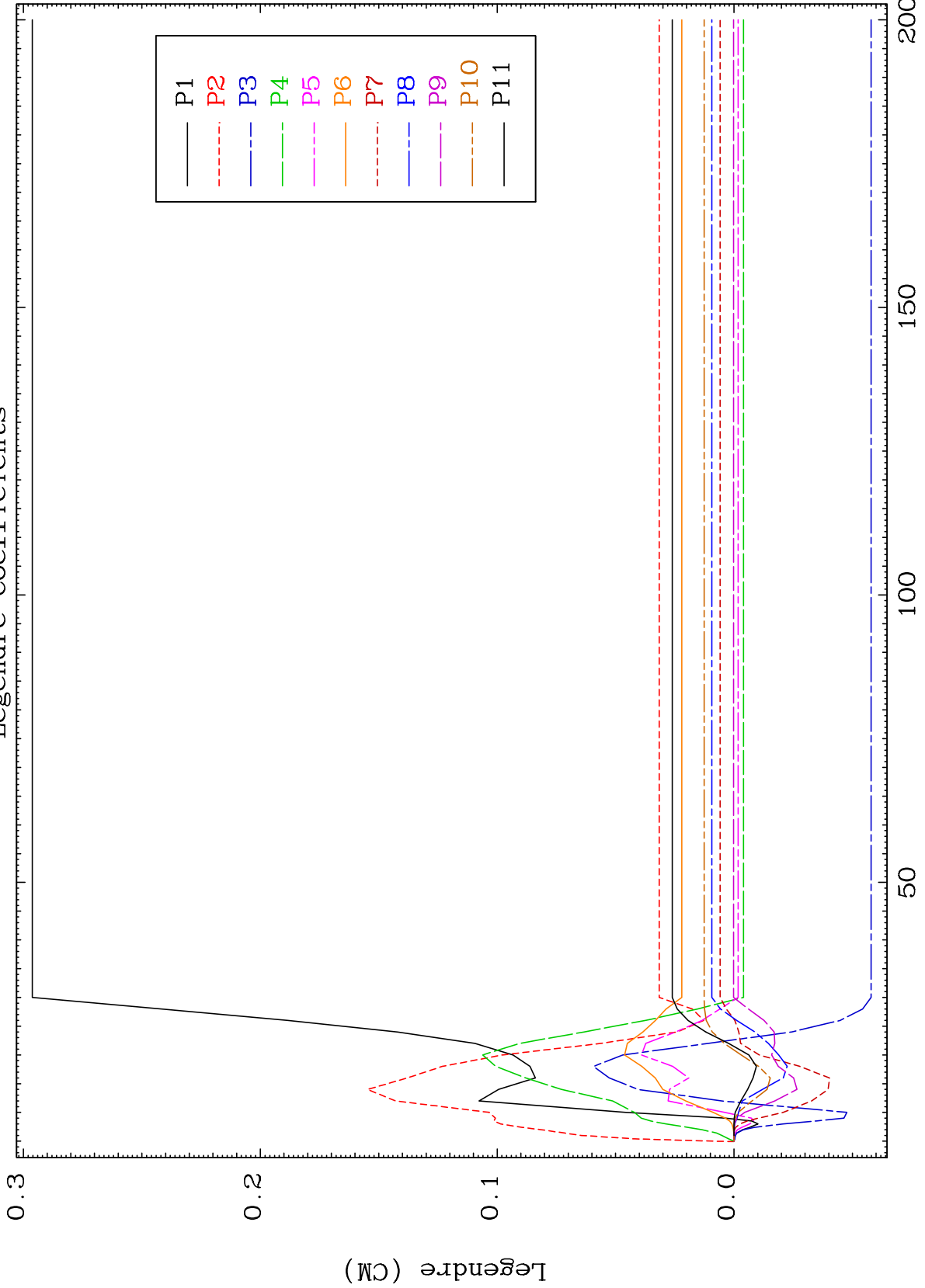
MAT 3055 MT= 68 (n,n') Level Legendre Coefficients 30-Zn-74



73

30-Zn-74

MAT 3055 MT= 69 (n,n') Level Legendre Coefficients 30-Zn-74

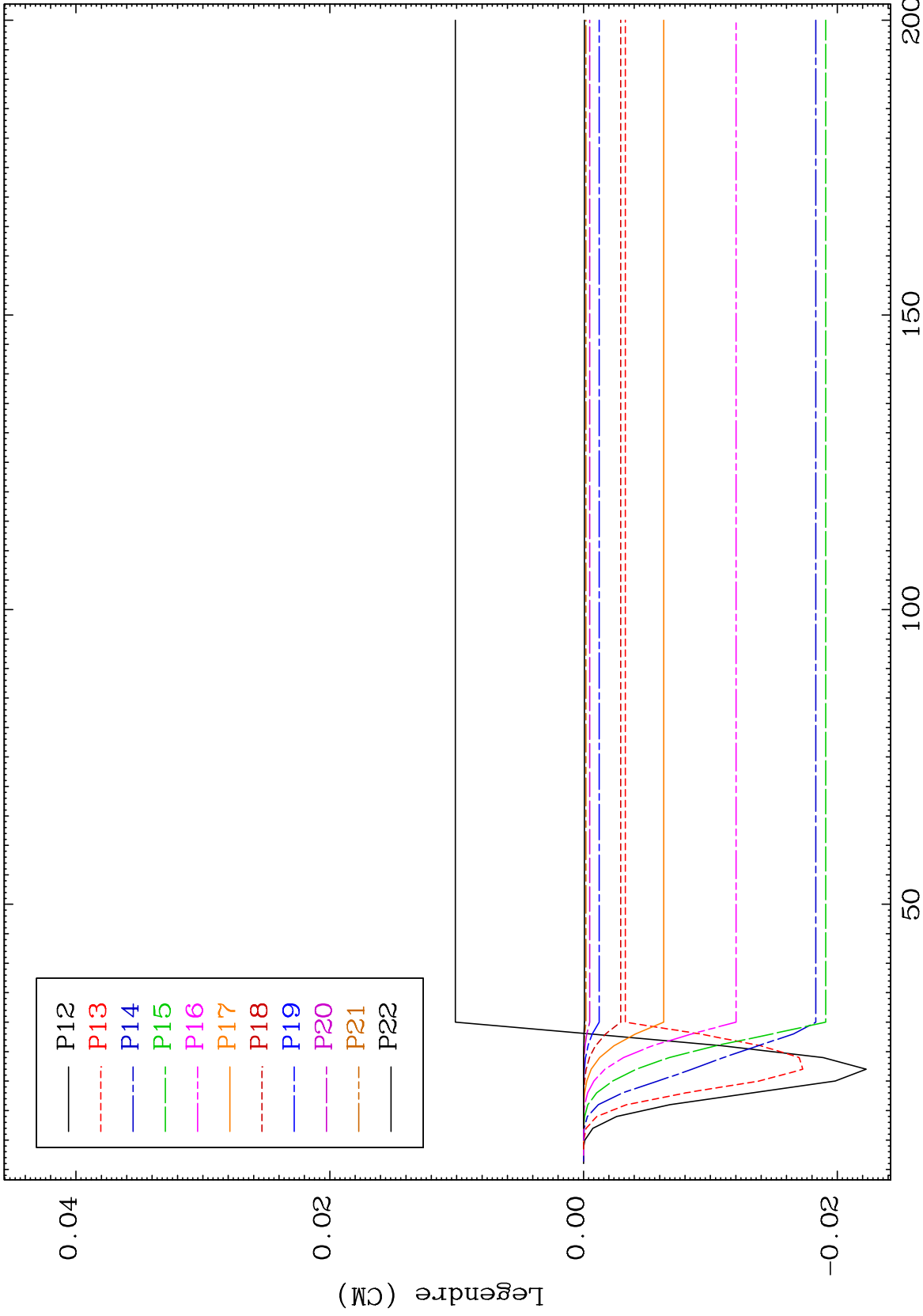


74 30-Zn-74

MAT 3055

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

30-Zn-74

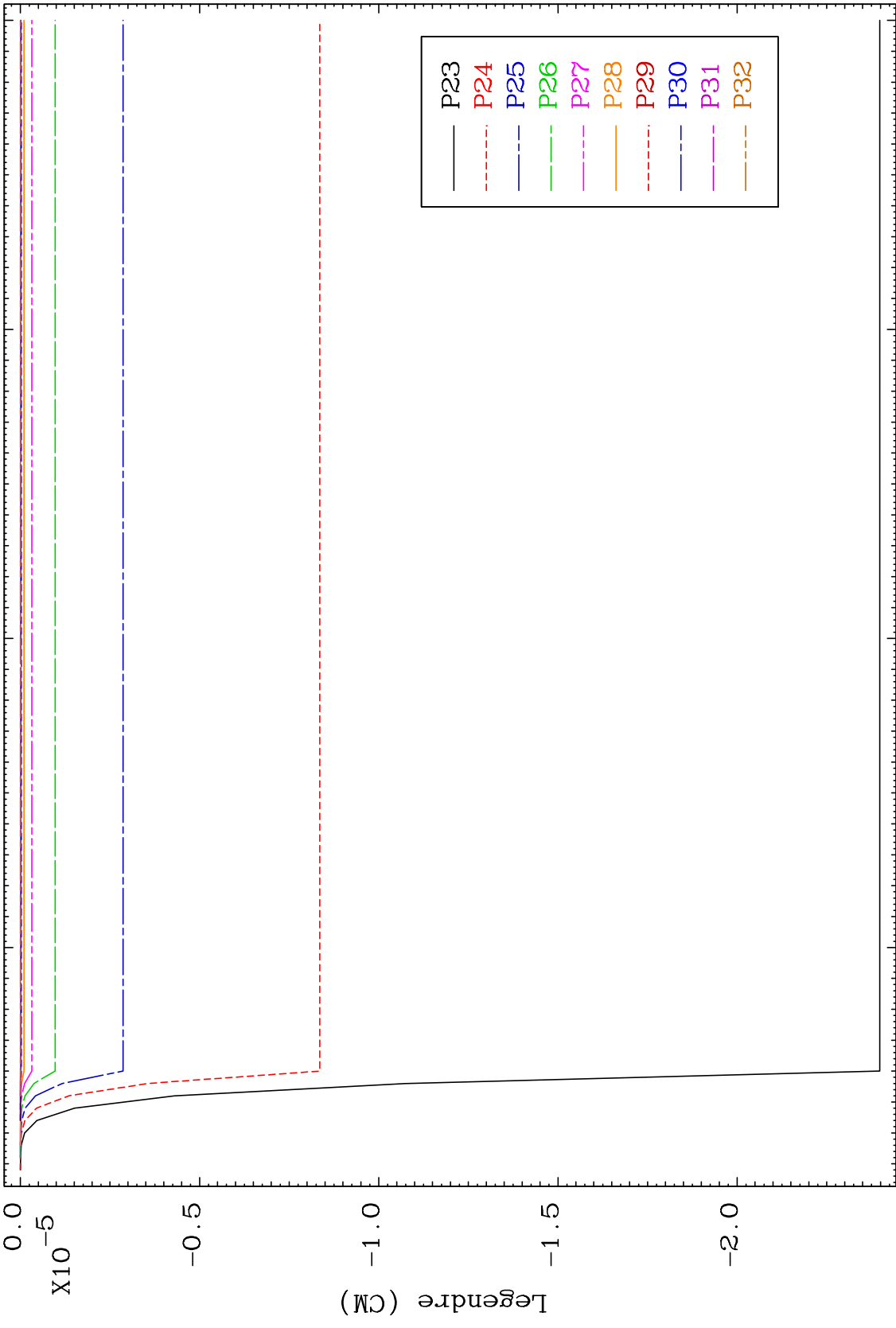


75

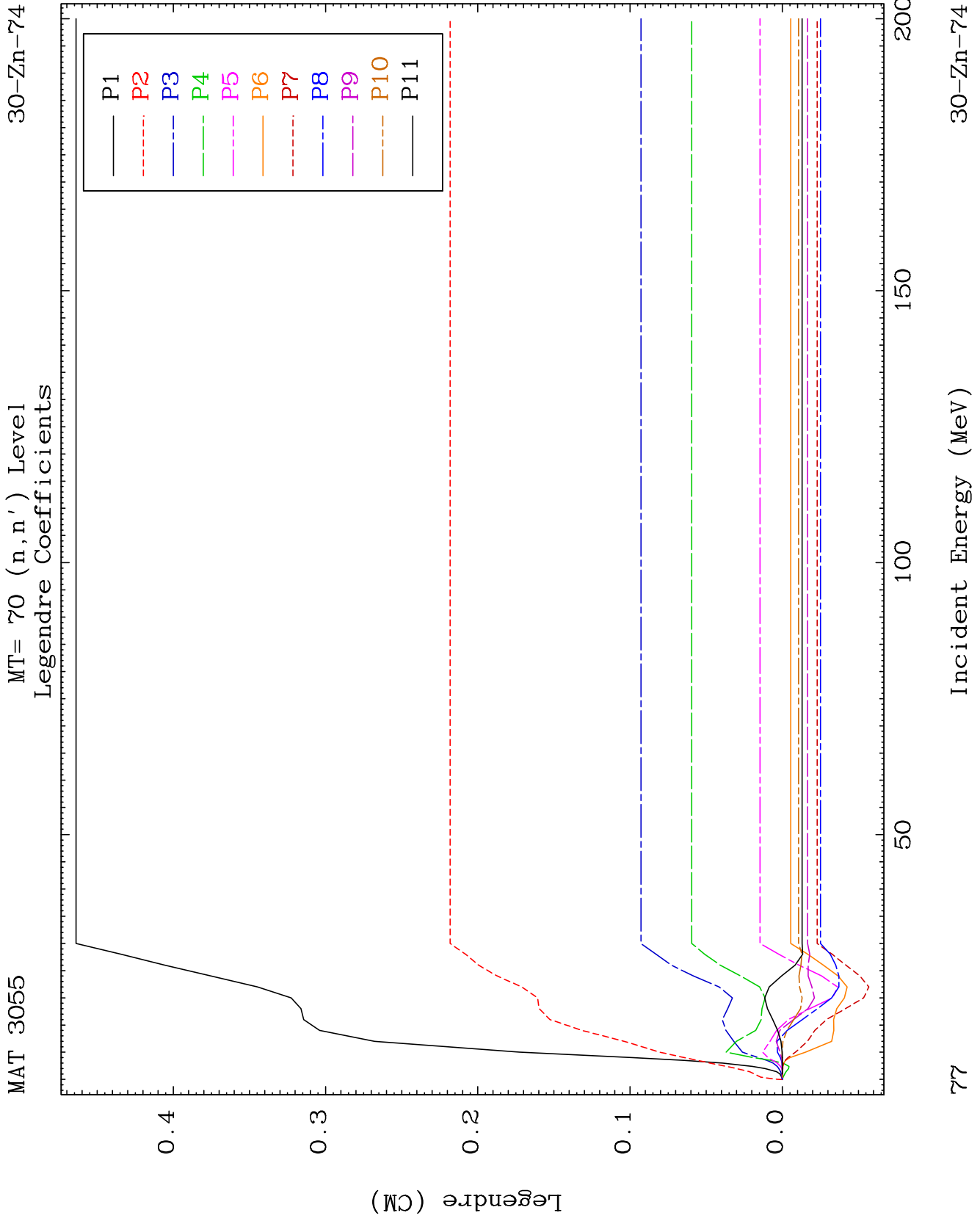
Incident Energy (MeV)

30-Zn-74

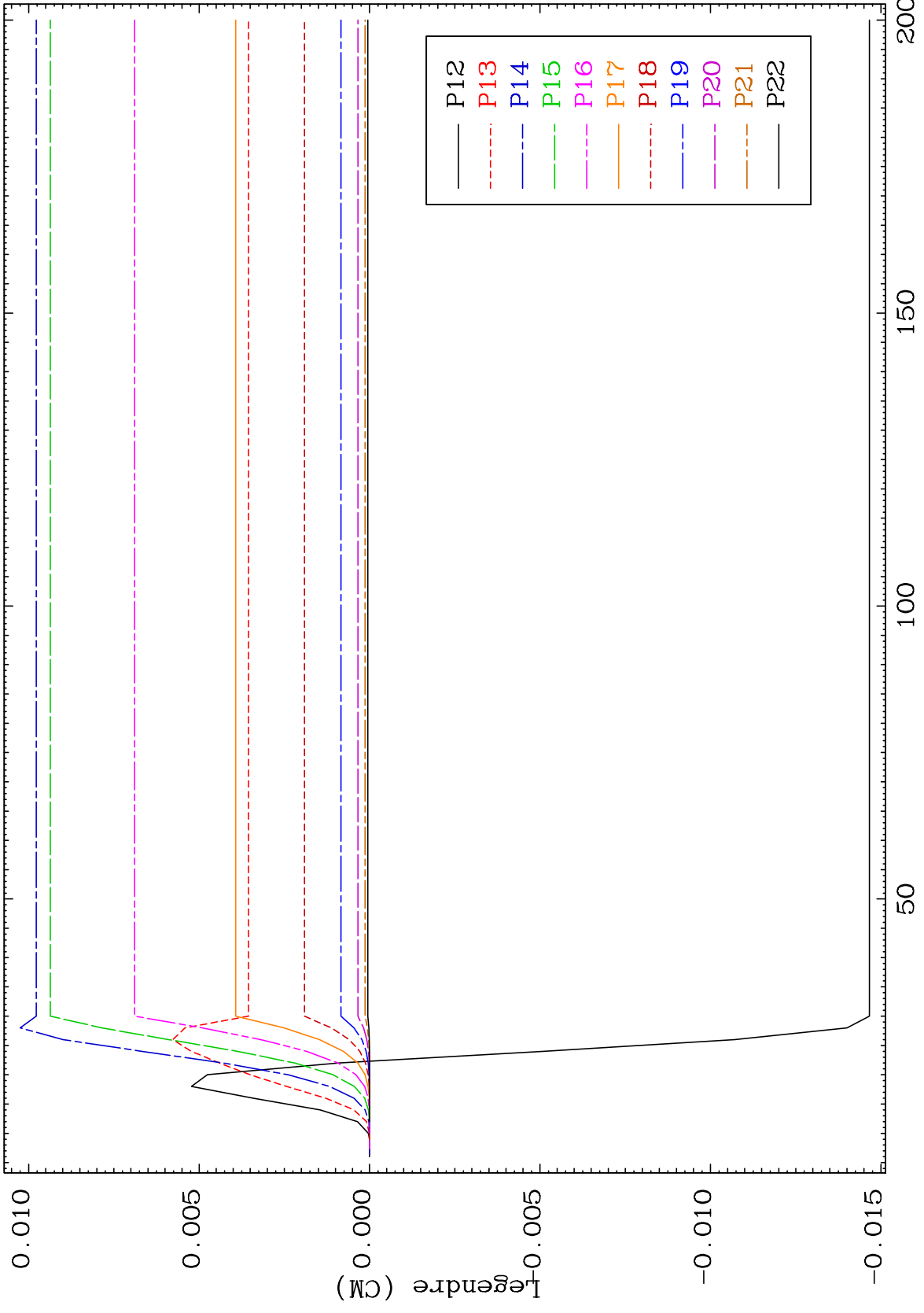
MAT 3055 MT= 69 (n,n') Level Legendre Coefficients 30-Zn-74



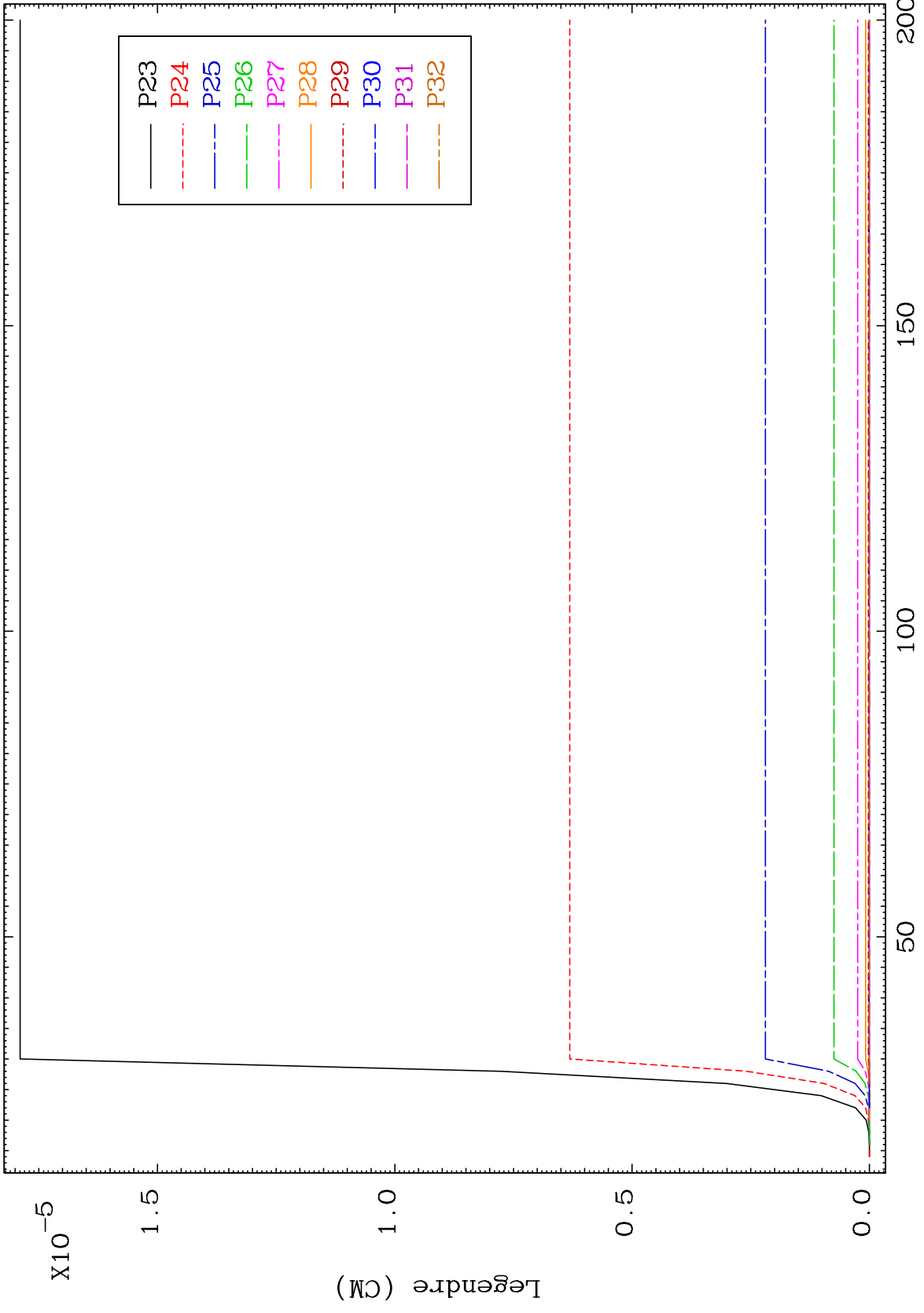
76 Incident Energy (MeV) 30-Zn-74



MAT 3055 MT= 70 (n,n') Level Legendre Coefficients 30-Zn-74



MAT 3055 MT= 70 (n,n') Level Legendre Coefficients 30-Zn-74

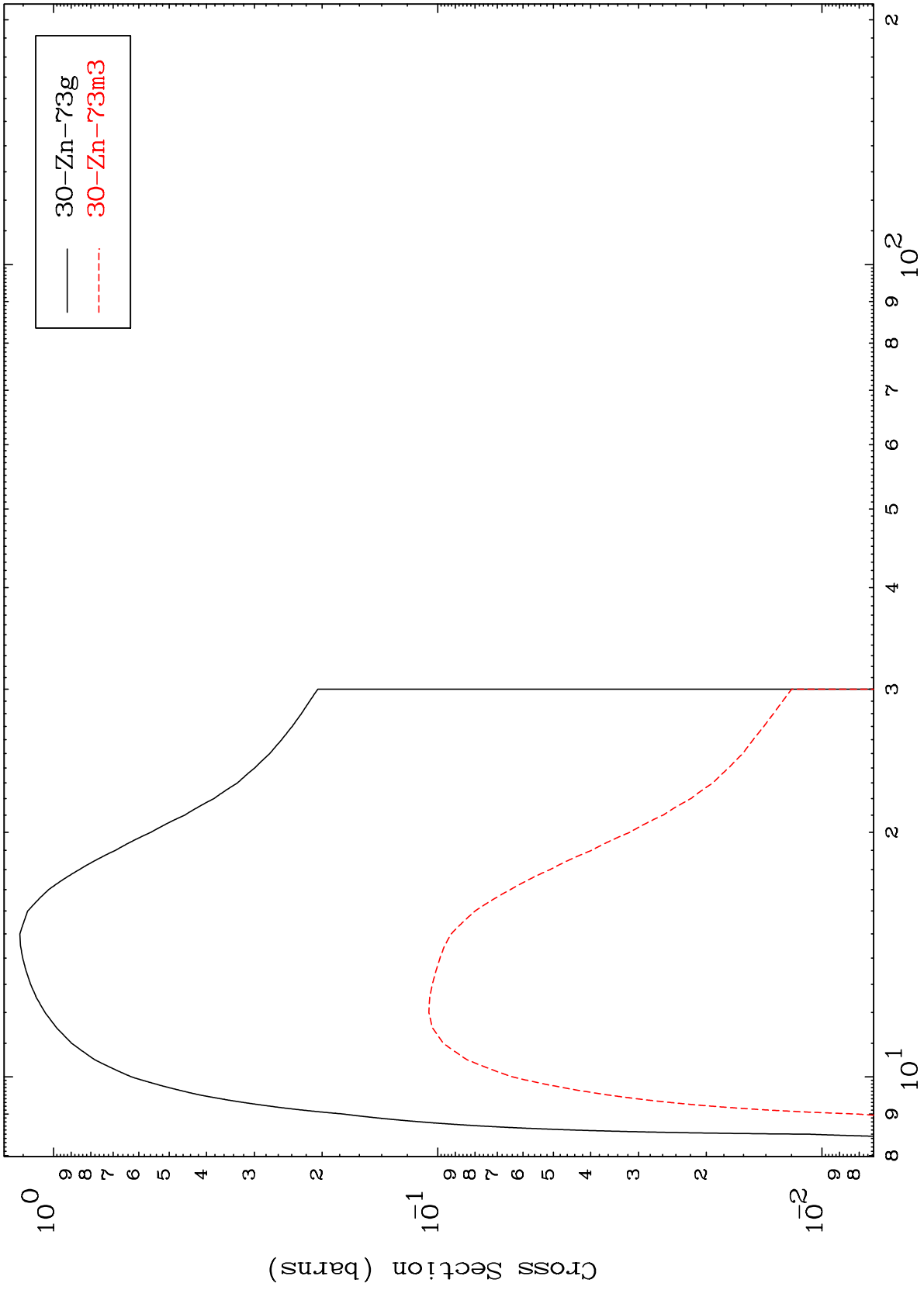


79 30-Zn-74

MAT 3055

30-Zn-74

(n,2n)
Radionuclide Production Cross Section



30-Zn-73g
30-Zn-73m3

80

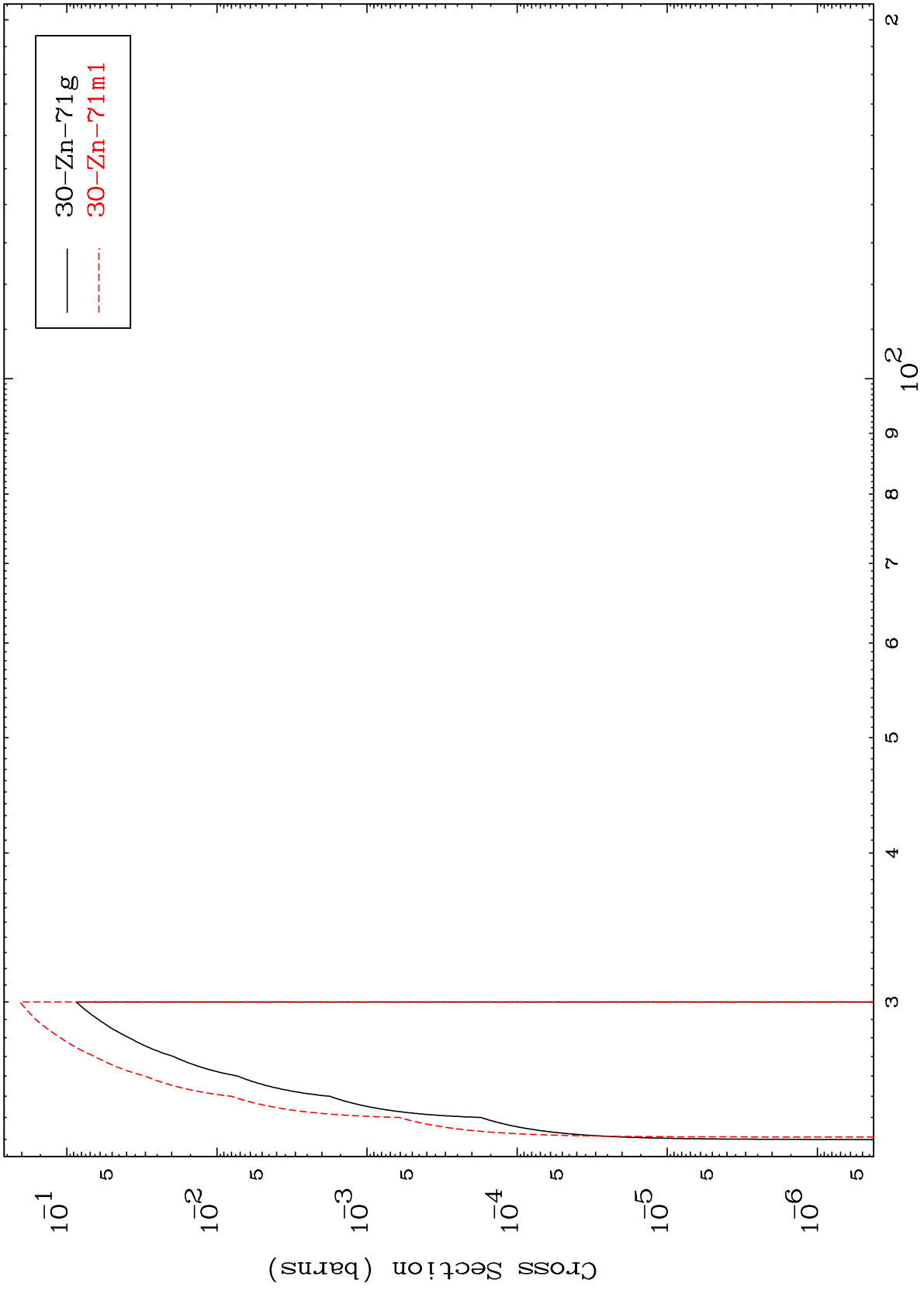
Incident Energy (MeV)

30-Zn-74

MAT 3055

30-Zn-74

(n,4n)
Radionuclide Production Cross Section



81

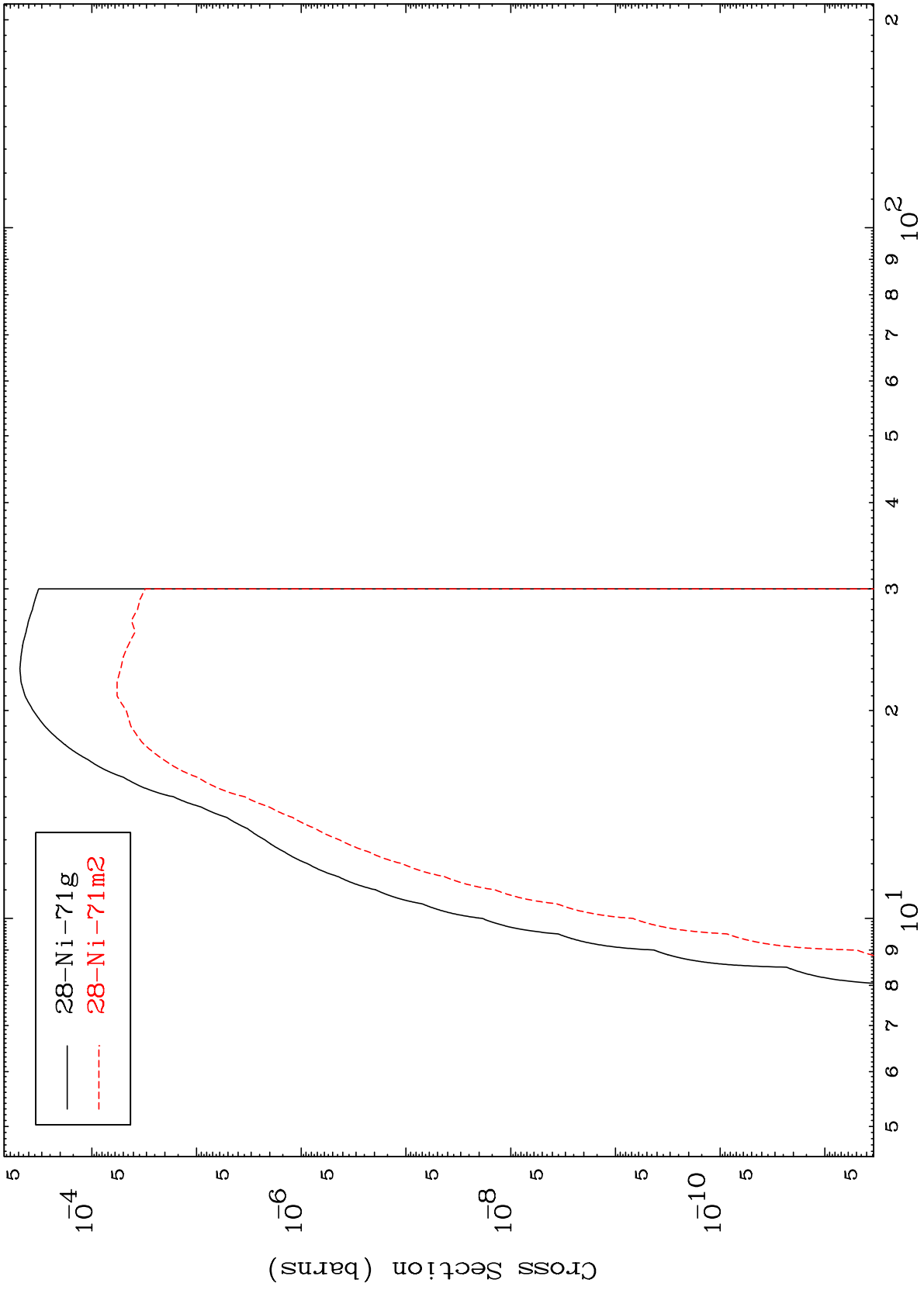
Incident Energy (MeV)

30-Zn-74

MAT 3055

Radionuclide Production Cross Section
(n, α)

$^{30}\text{Zn}-74$



82

Incident Energy (MeV)

$^{30}\text{Zn}-74$