

Program EVALPLOT
(Version 2018-1)

by

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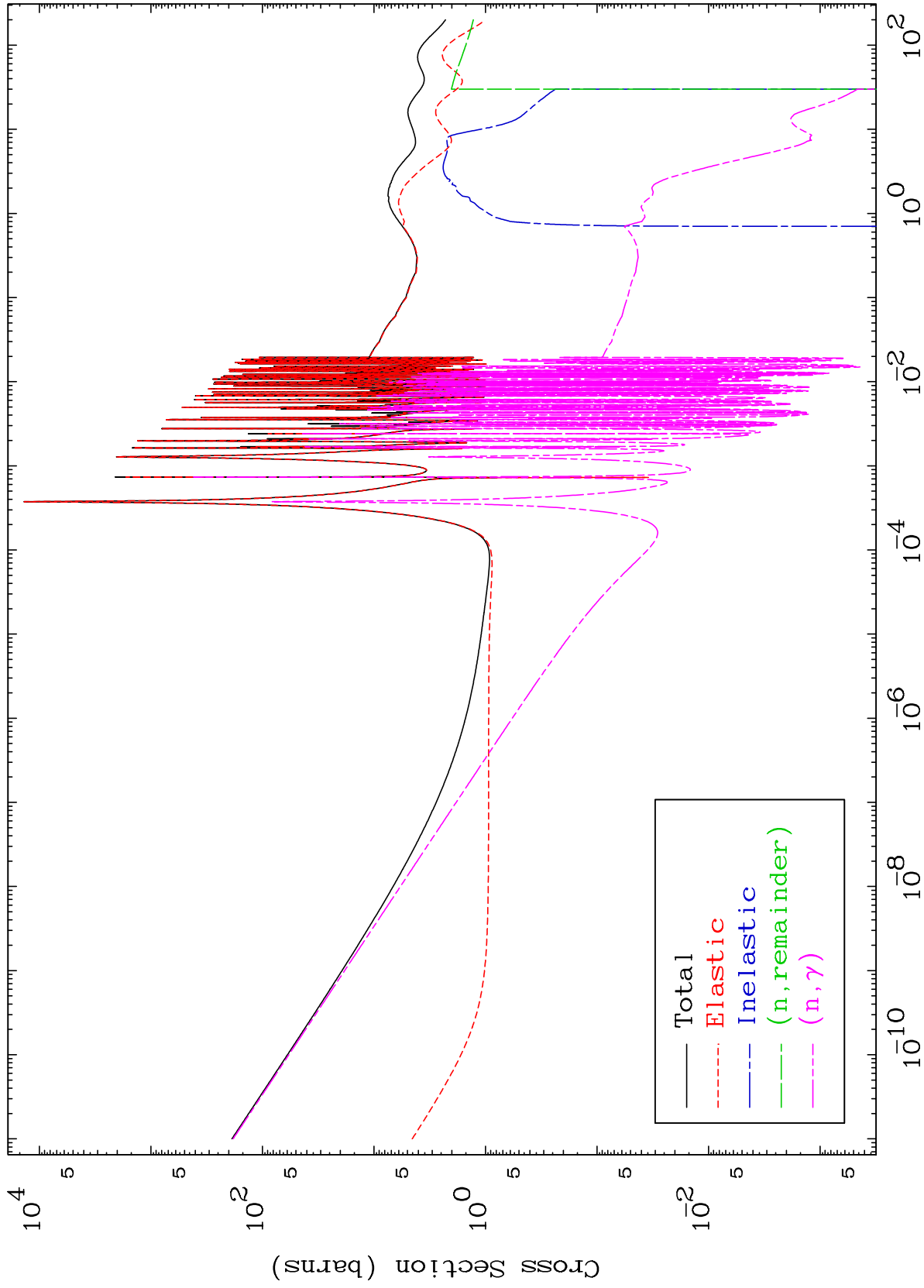
Press Mouse Button to Start

MAT 6031

Major

293 Kelvin Cross Sections

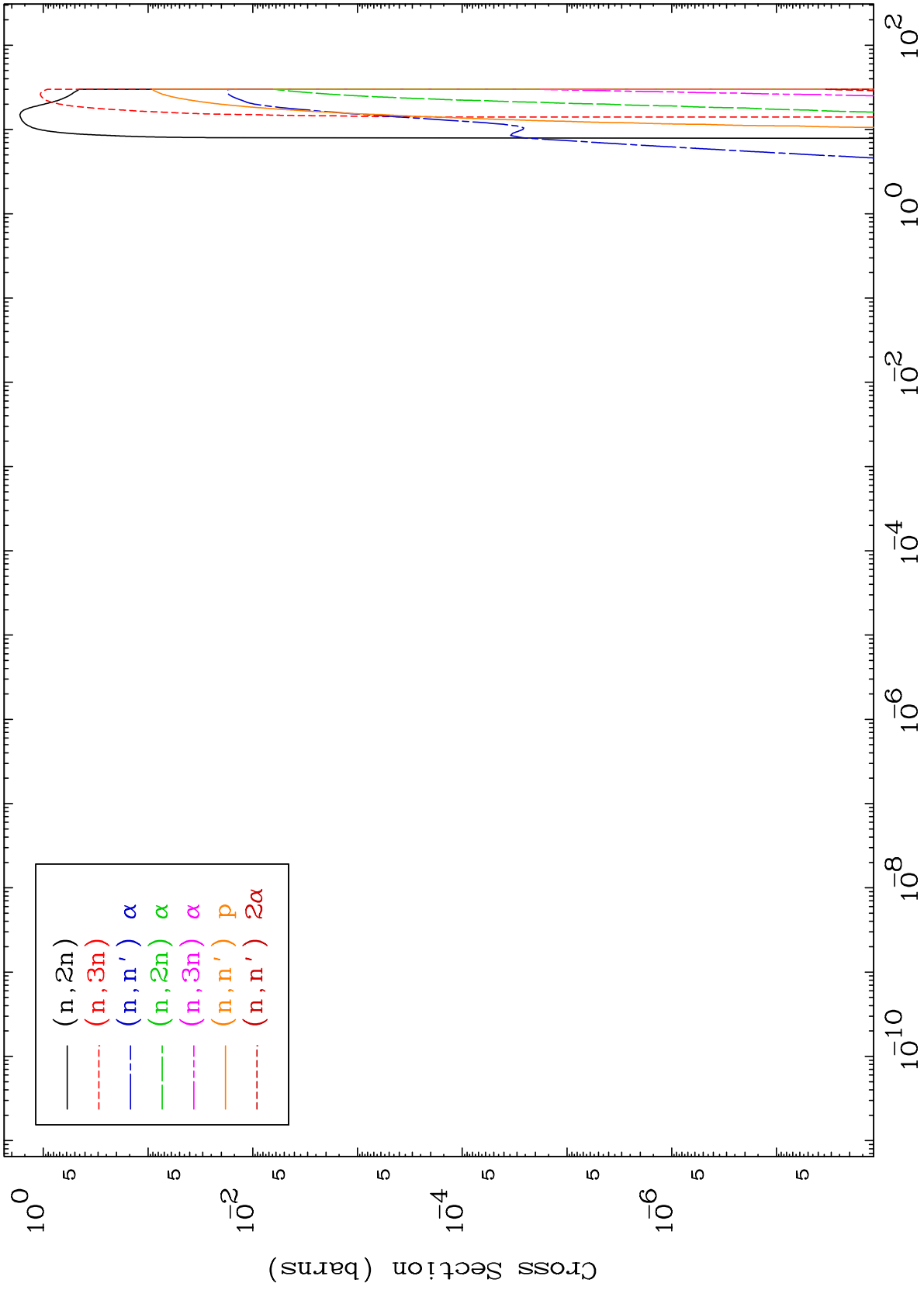
60-Nd-144



MAT 6031

Neutron Production 293 Kelvin Cross Sections

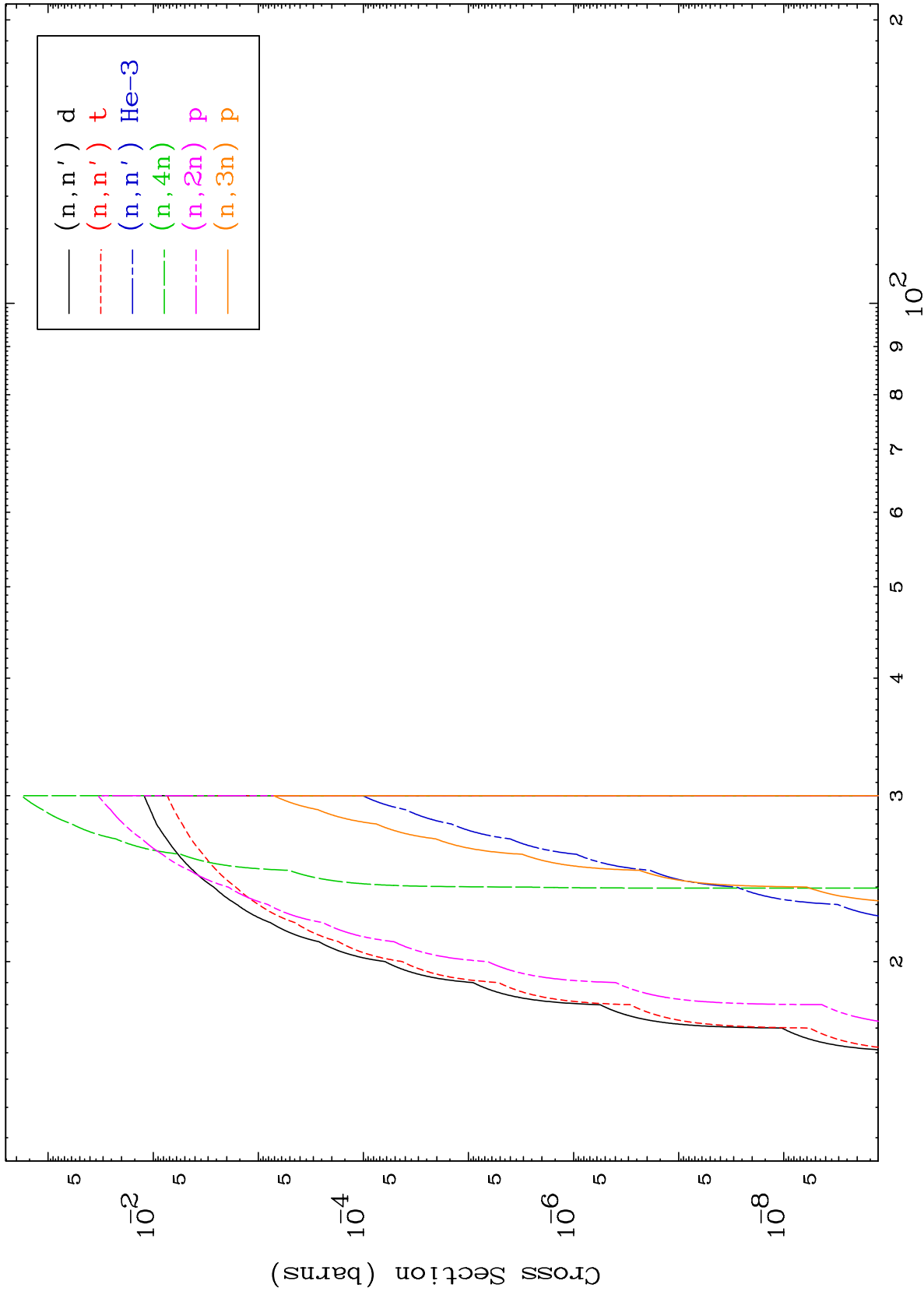
60-Nd-144



MAT 6031

Neutron Production
293 Kelvin Cross Sections

60-Nd-144



3

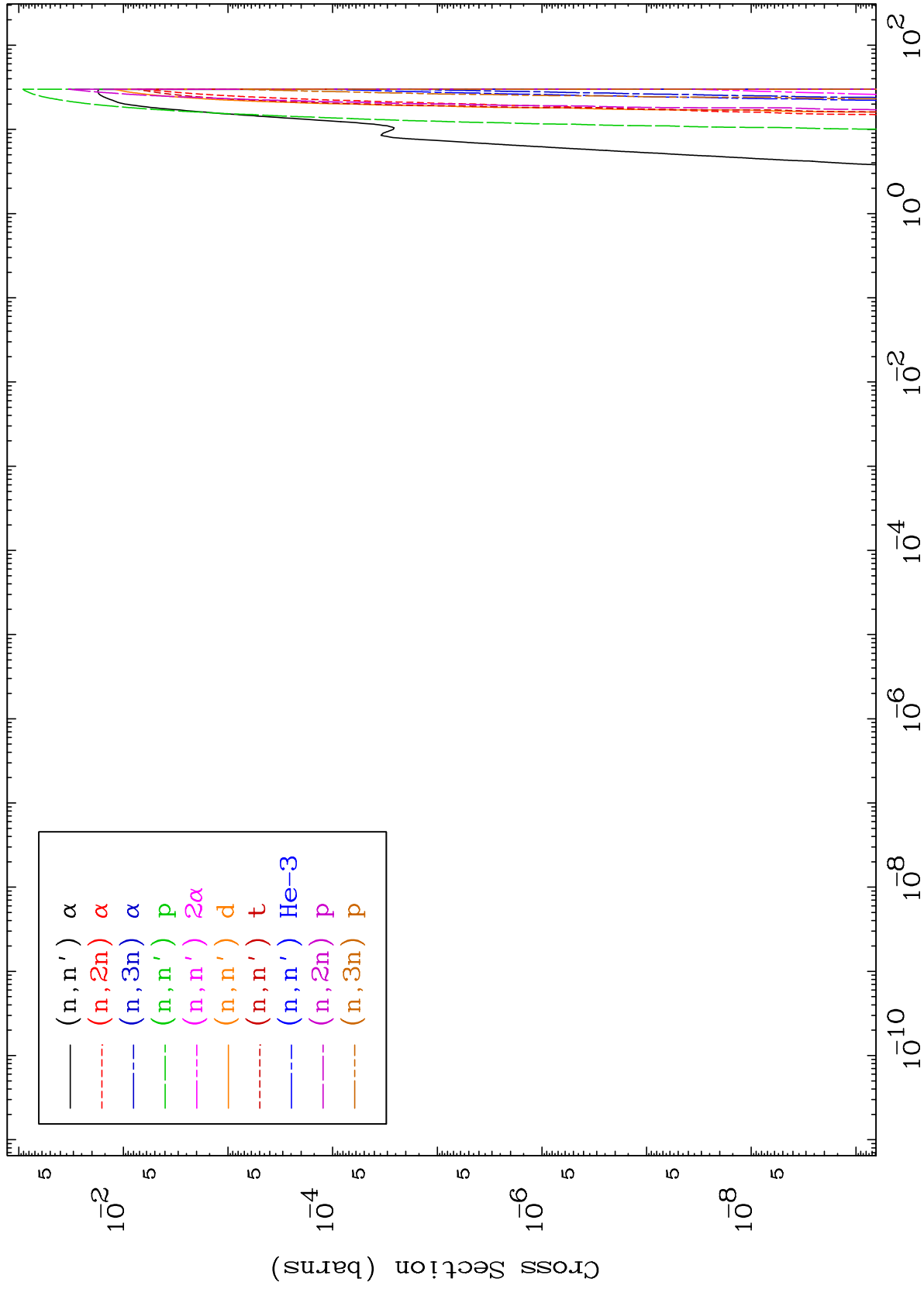
Incident Energy (MeV)

60-Nd-144

MAT 6031

Charged Particle
293 Kelvin Cross Sections

60-Nd-144

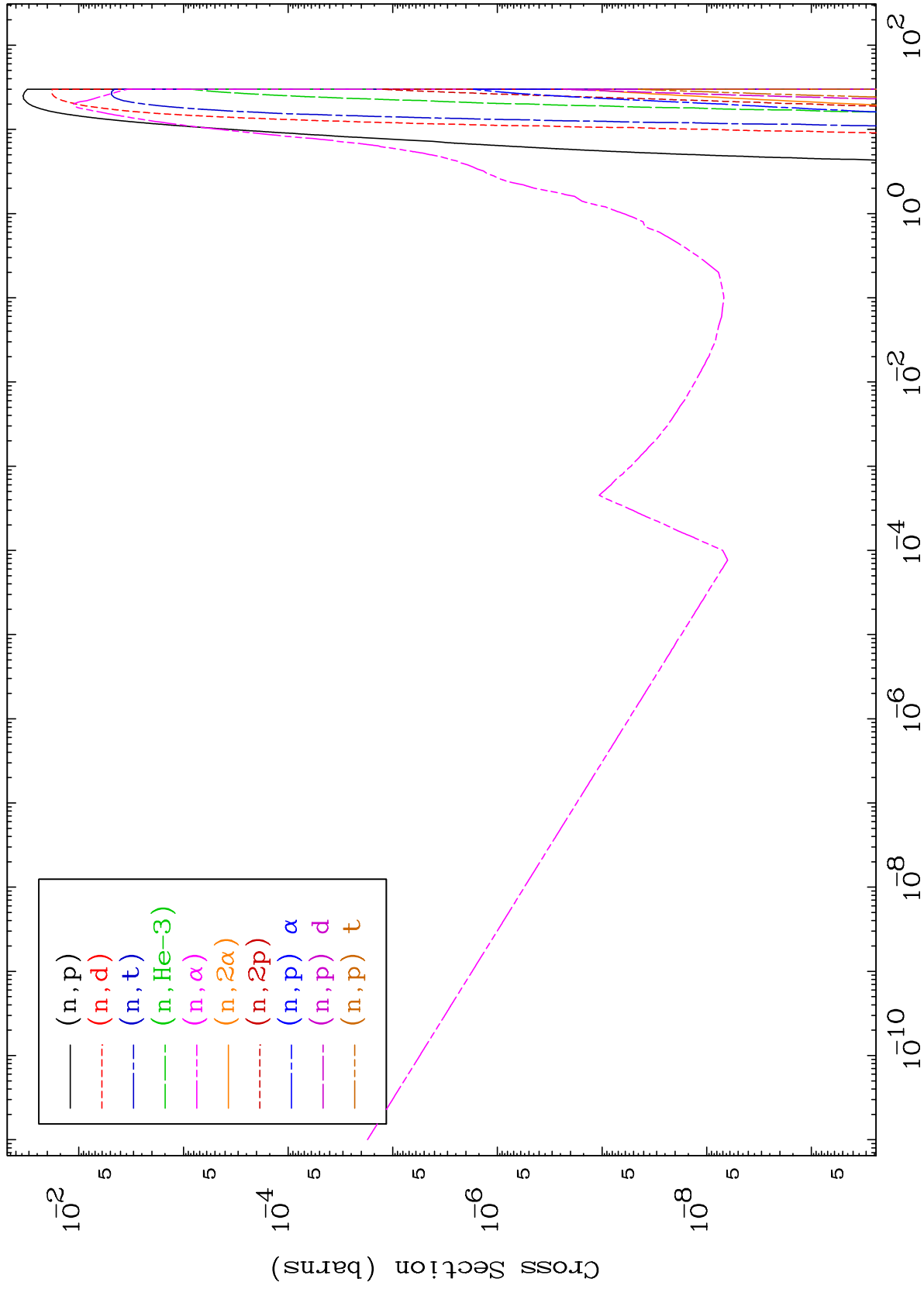


60-Nd-144

MAT 6031

Charged Particle
293 Kelvin Cross Sections

60-Nd-144



5

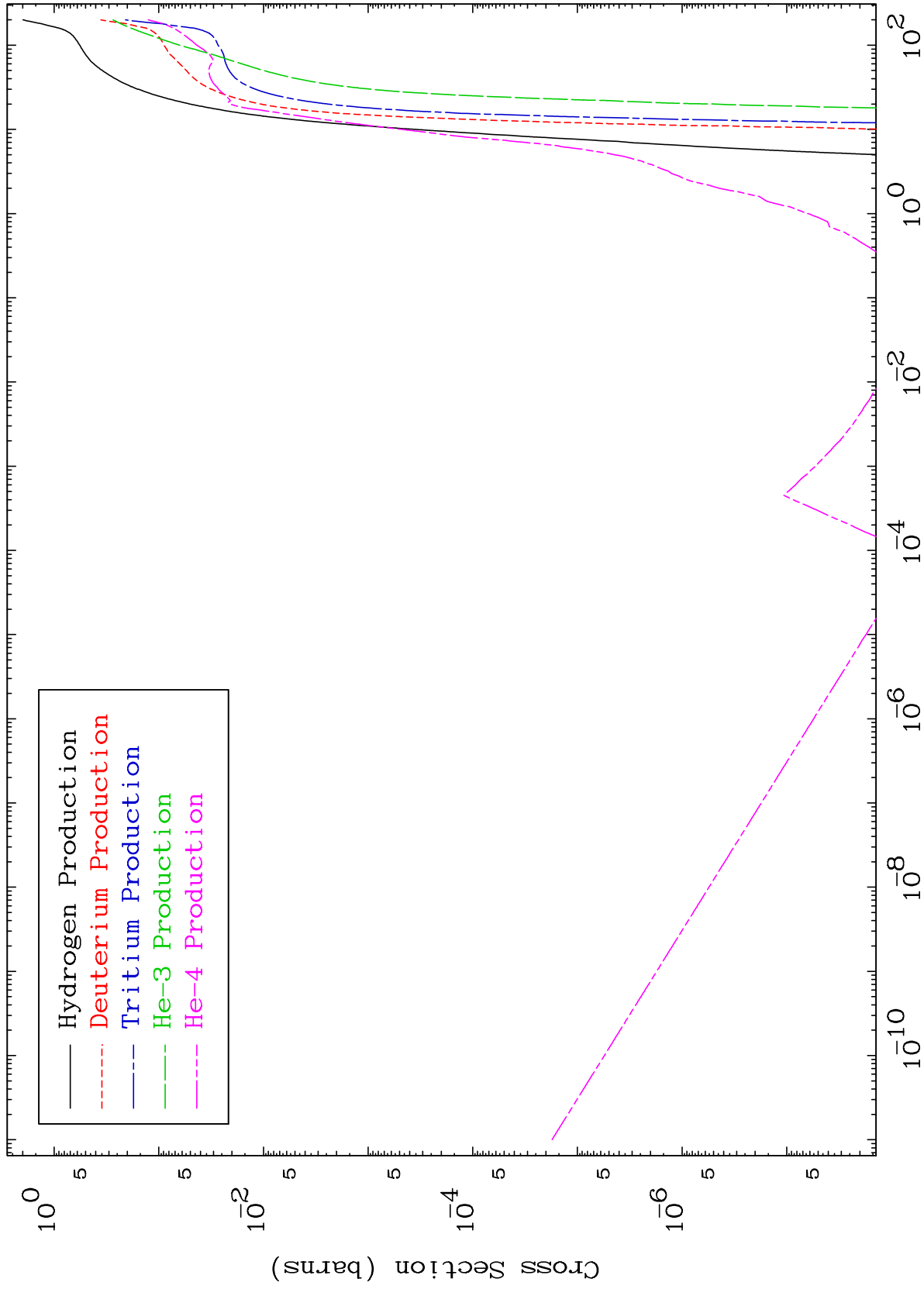
Incident Energy (MeV)

60-Nd-144

MAT 6031

Particle Production
293 Kelvin Cross Sections

60-Nd-144

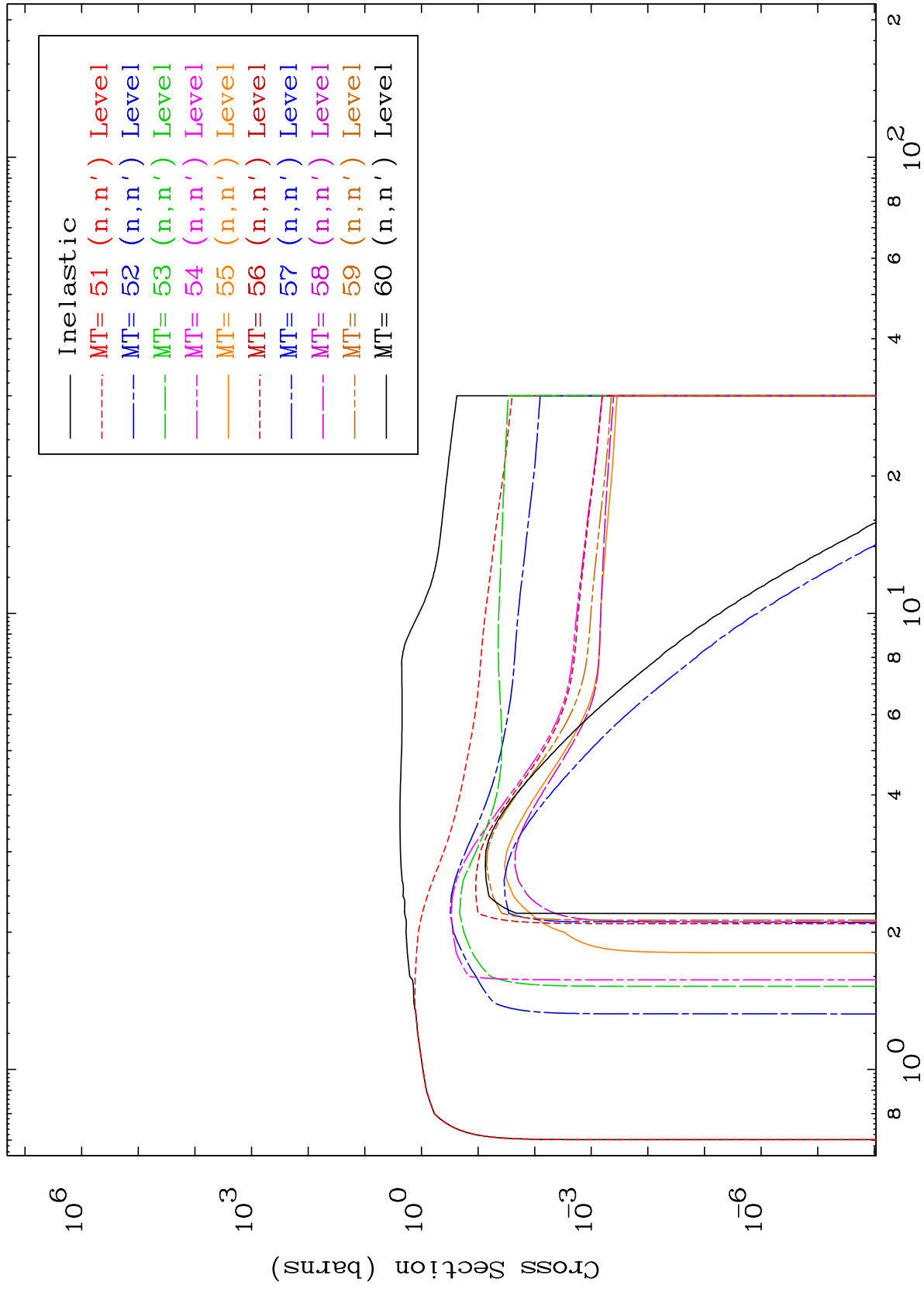


MAT 6031

(n,n') Level

60-Nd-144

293 Kelvin Cross Sections



7

Incident Energy (MeV)

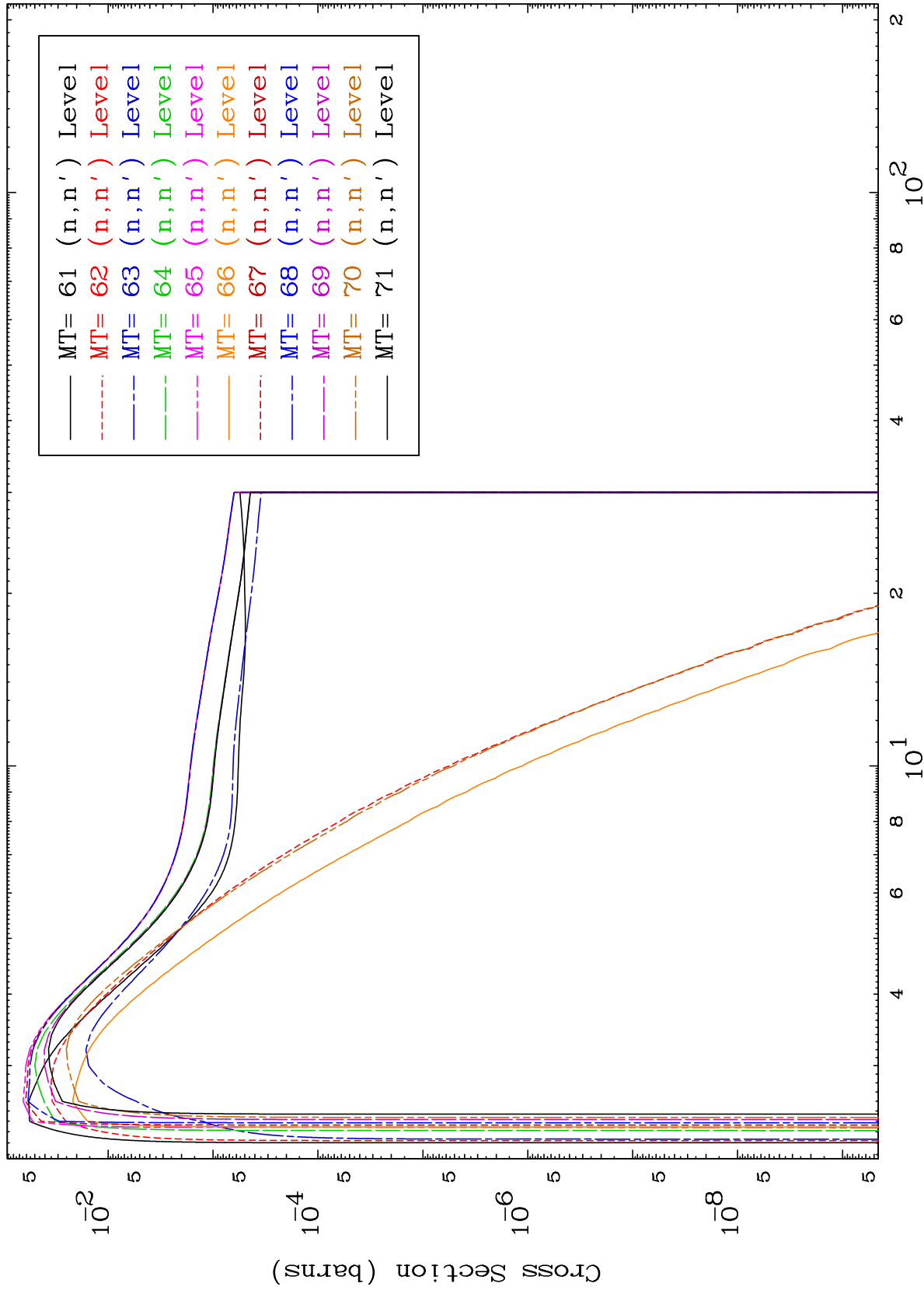
60-Nd-144

MAT 6031

(n,n') Level

60-Nd-144

293 Kelvin Cross Sections



8

Incident Energy (MeV)

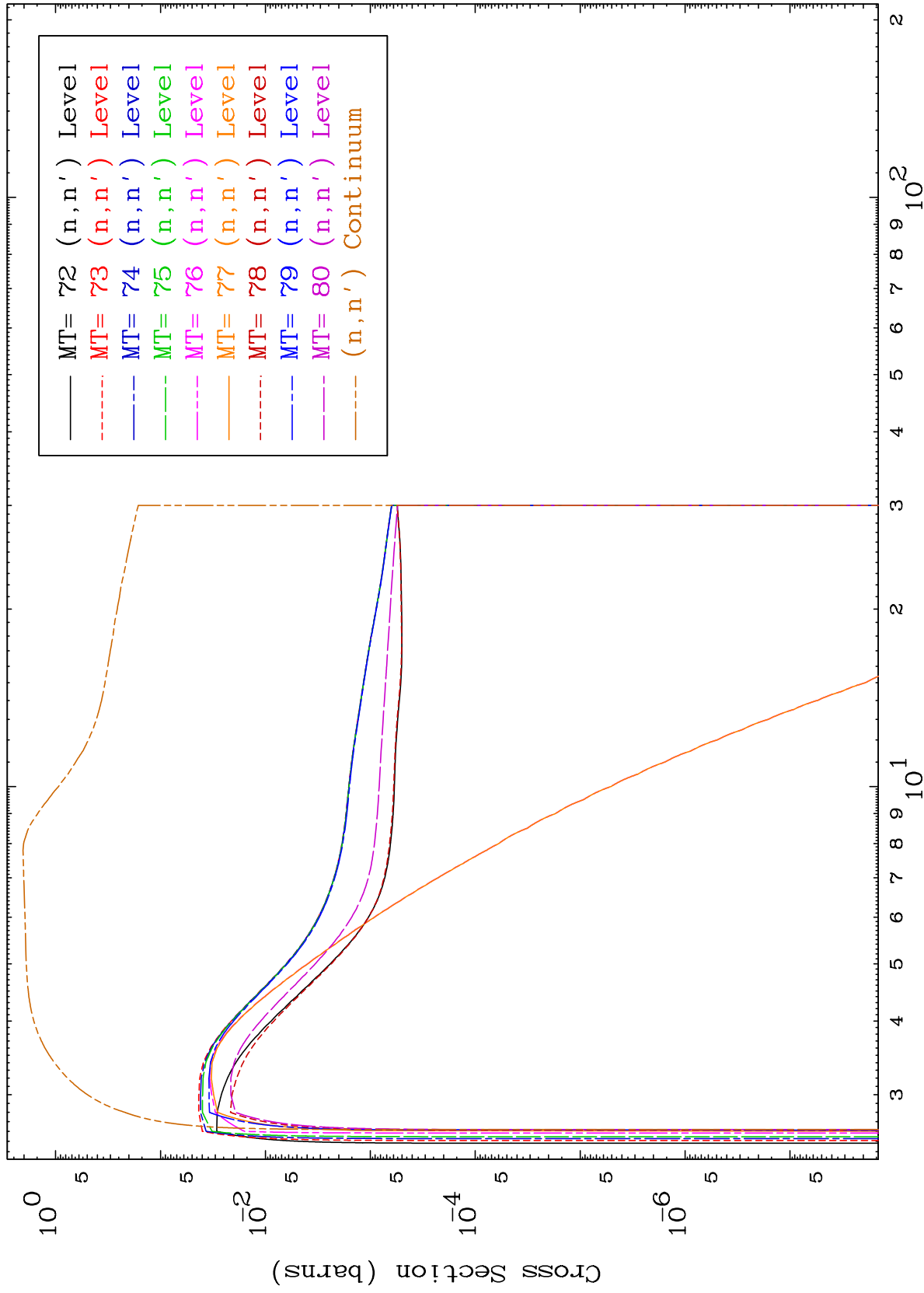
60-Nd-144

MAT 6031

(n,n') Level

60-Nd-144

293 Kelvin Cross Sections



9

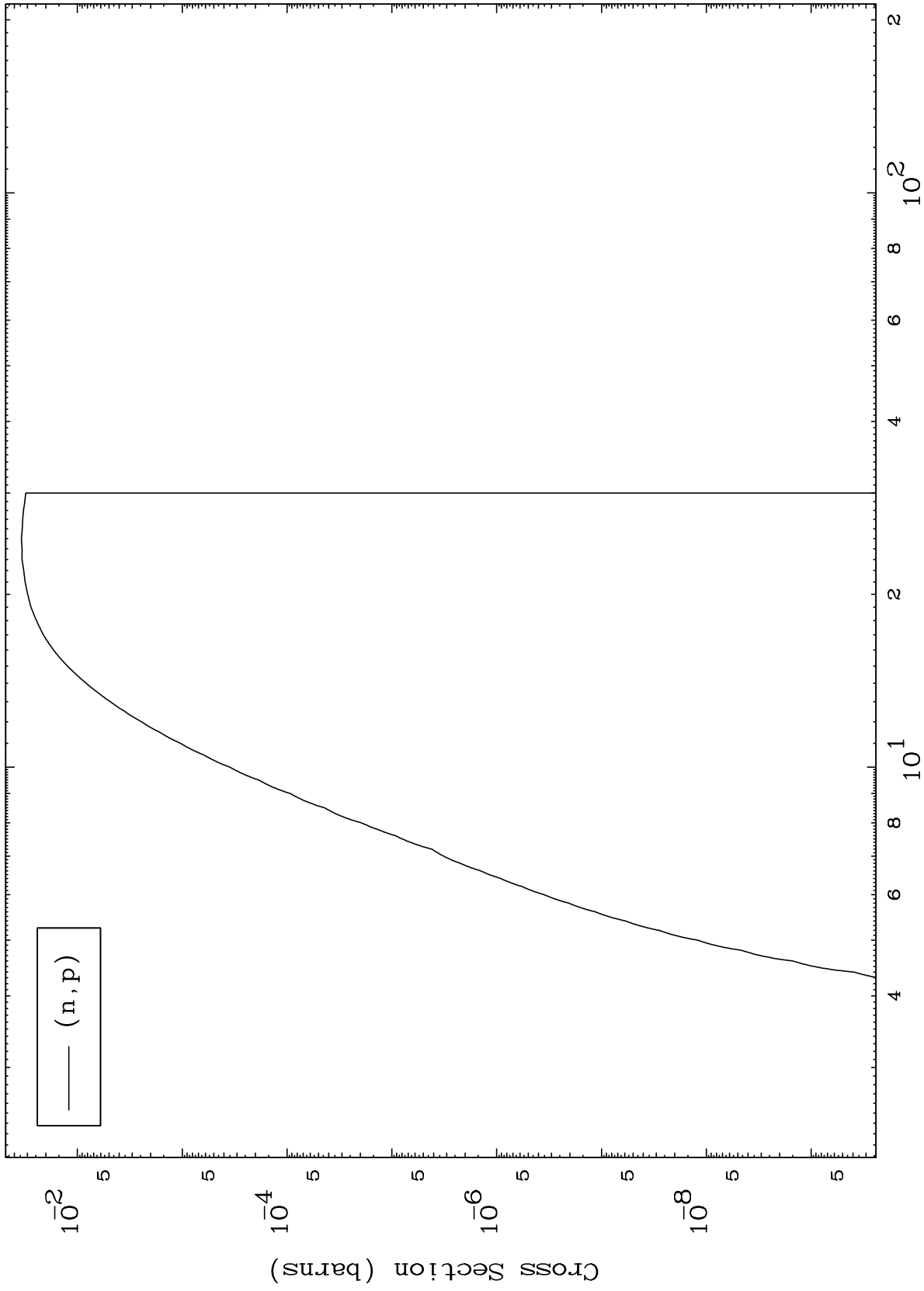
Incident Energy (MeV)

60-Nd-144

MAT 6031

(n,p) Levels
293 Kelvin Cross Sections

60-Nd-144



— (n,p)

10

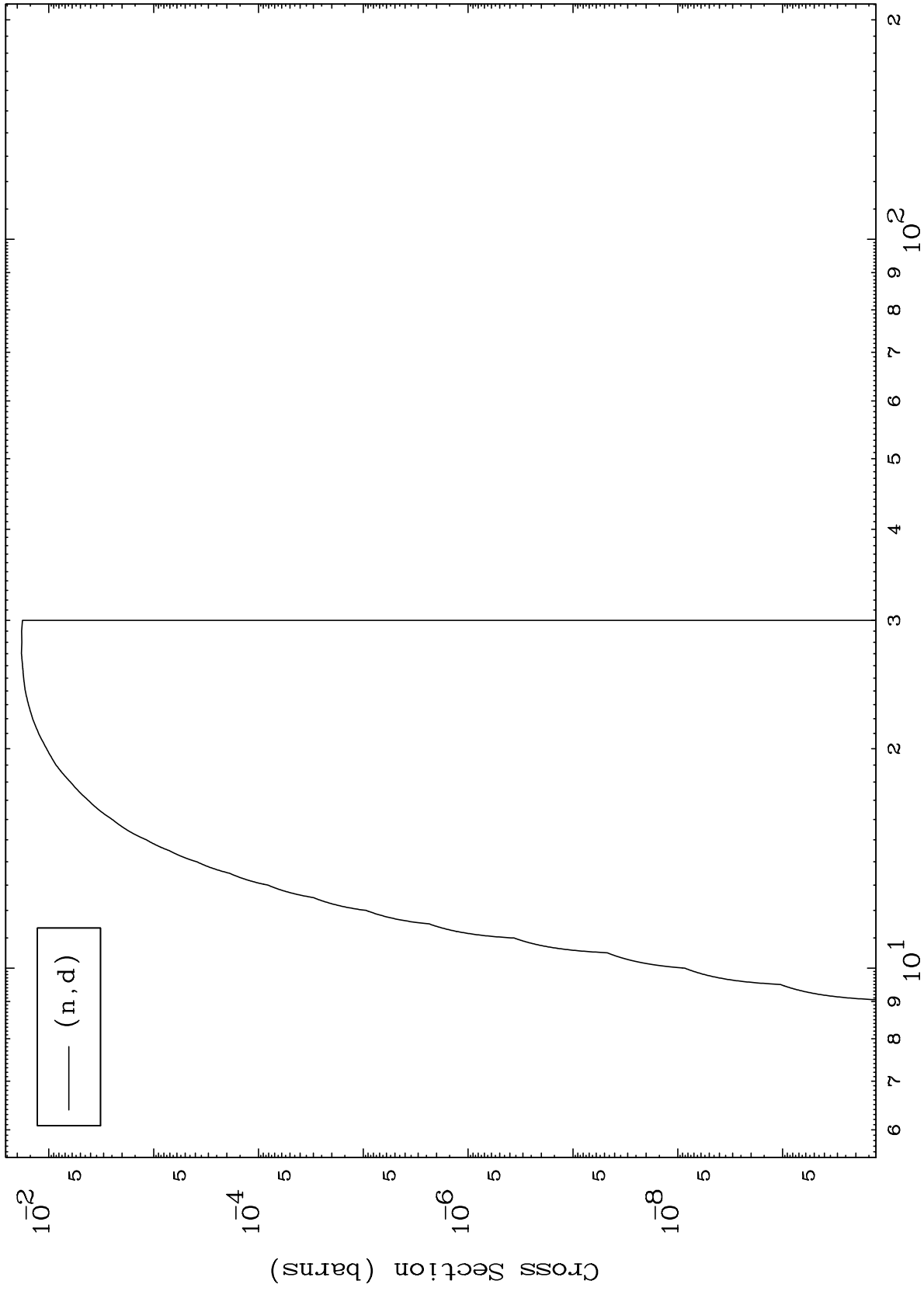
Incident Energy (MeV)

60-Nd-144

MAT 6031

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-144



11

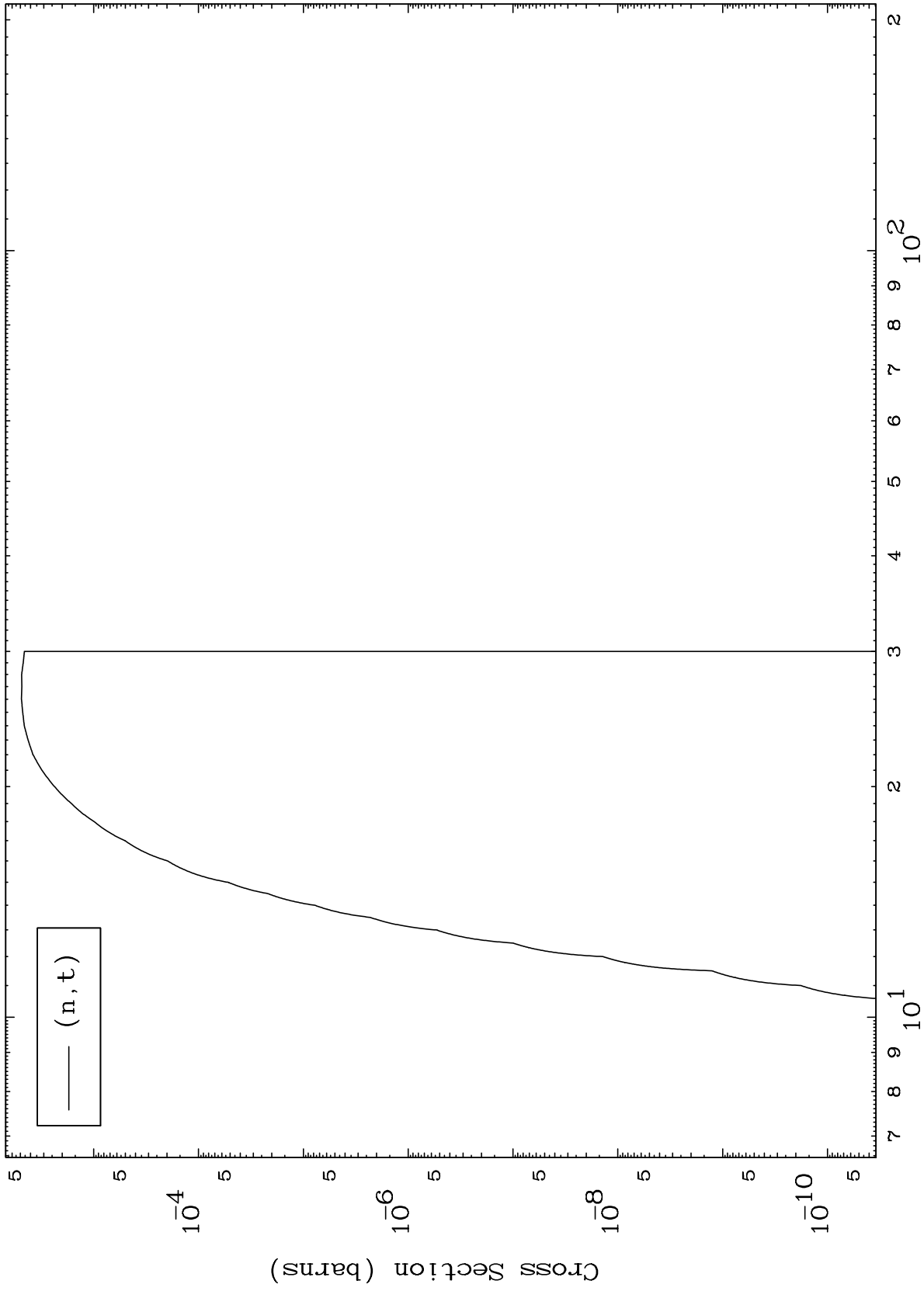
Incident Energy (MeV)

60-Nd-144

MAT 6031

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-144



12

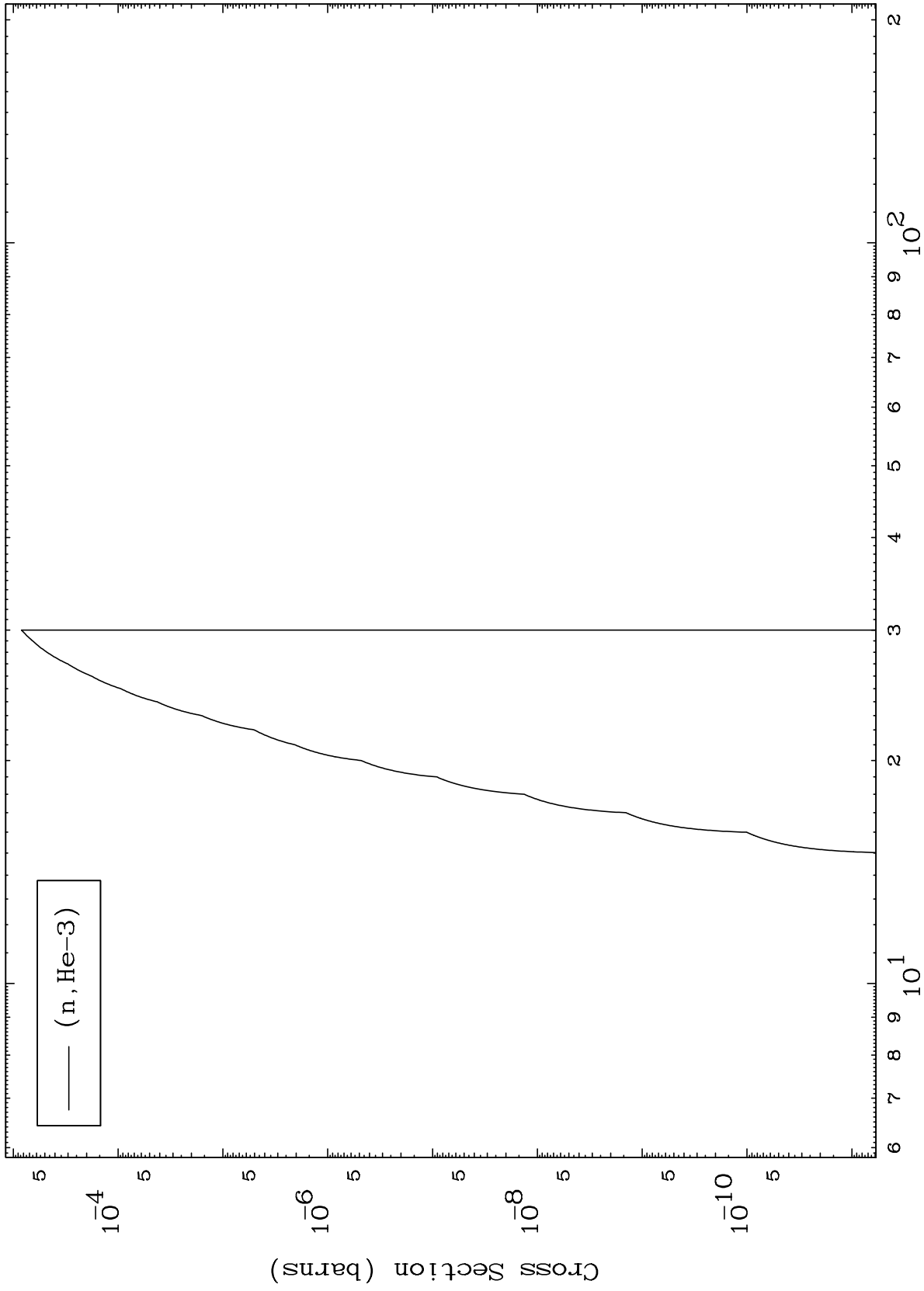
Incident Energy (MeV)

60-Nd-144

MAT 6031

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-144



13

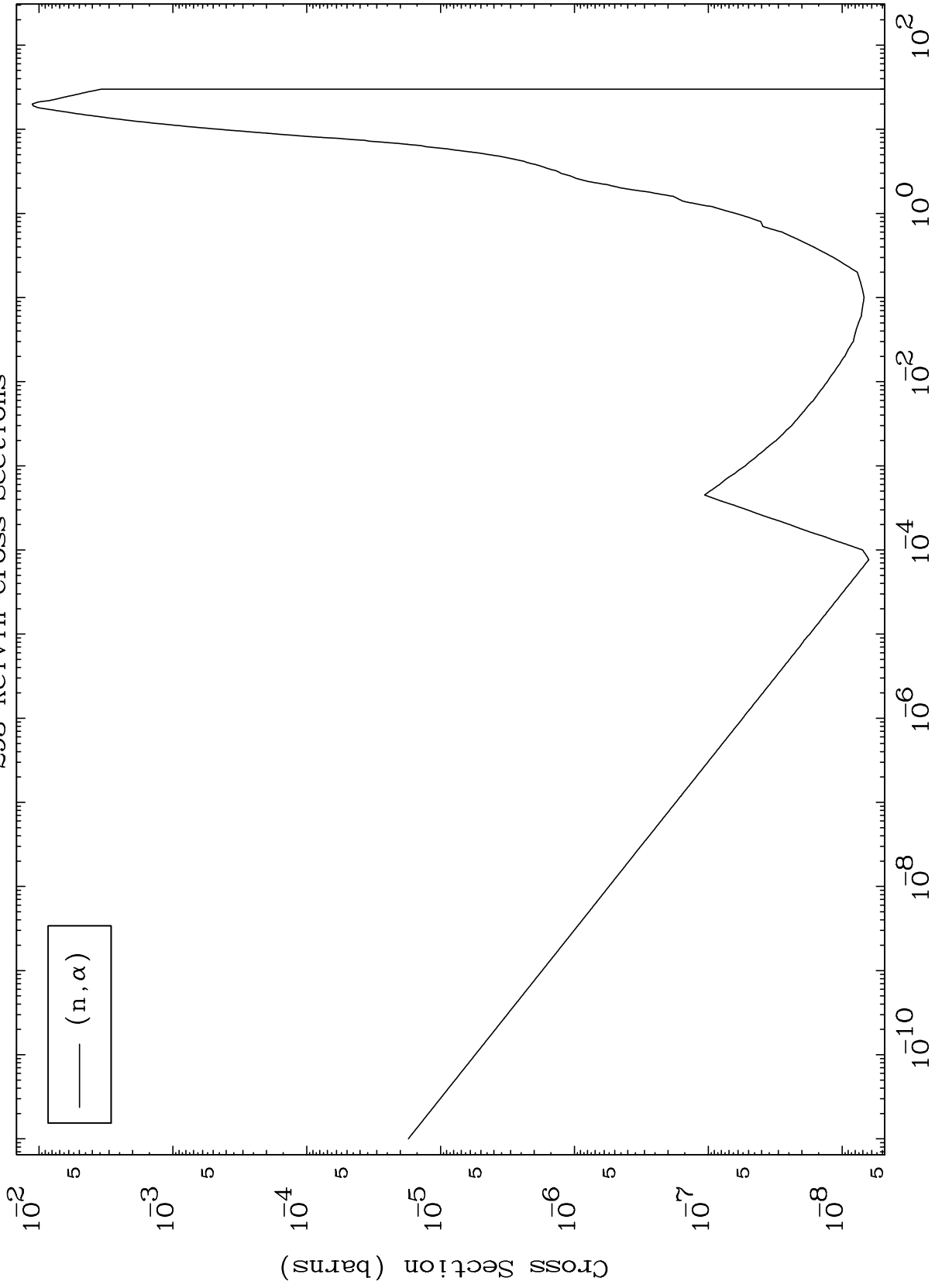
Incident Energy (MeV)

60-Nd-144

MAT 6031

(n,α) Levels
293 Kelvin Cross Sections

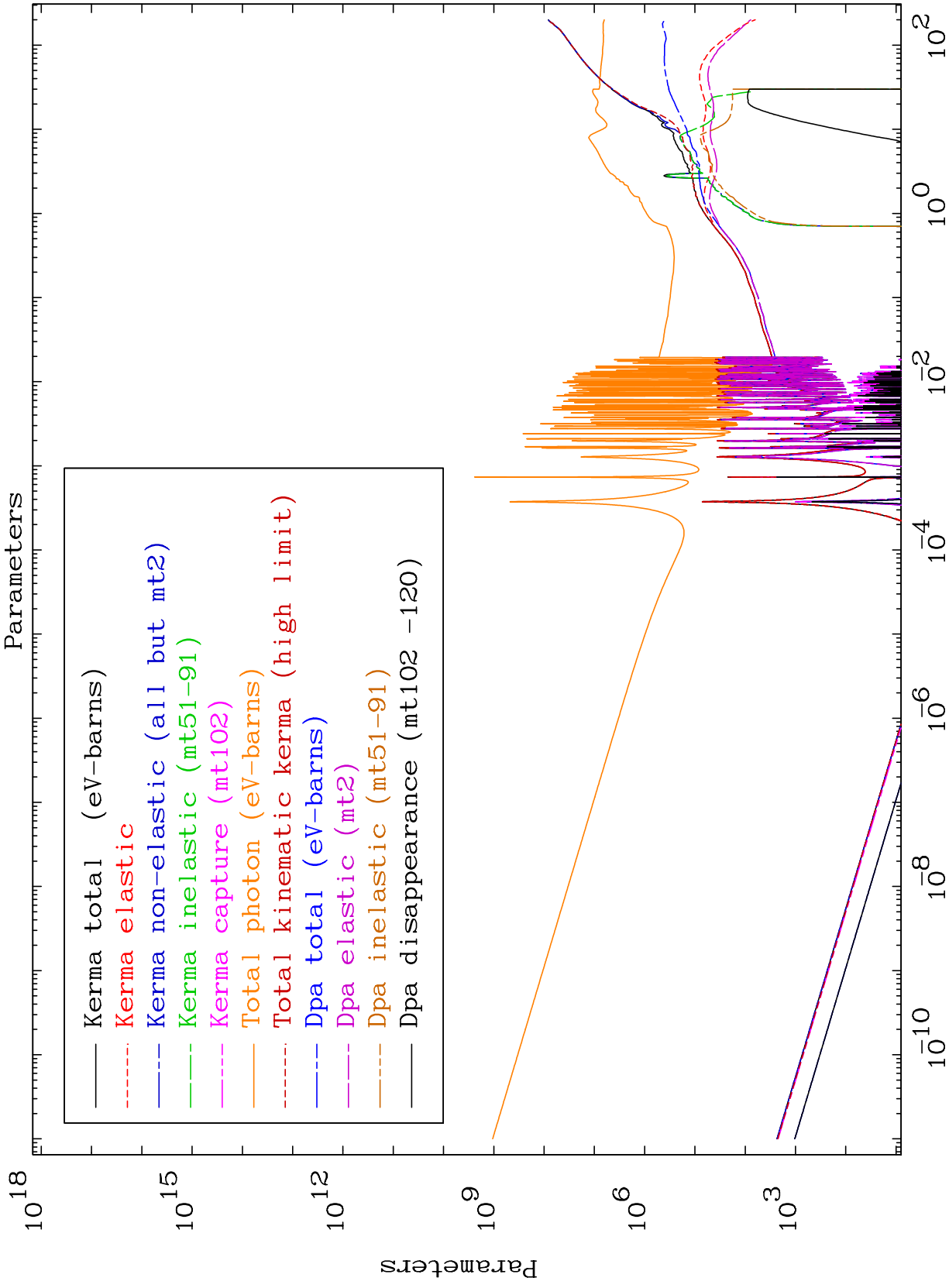
60-Nd-144



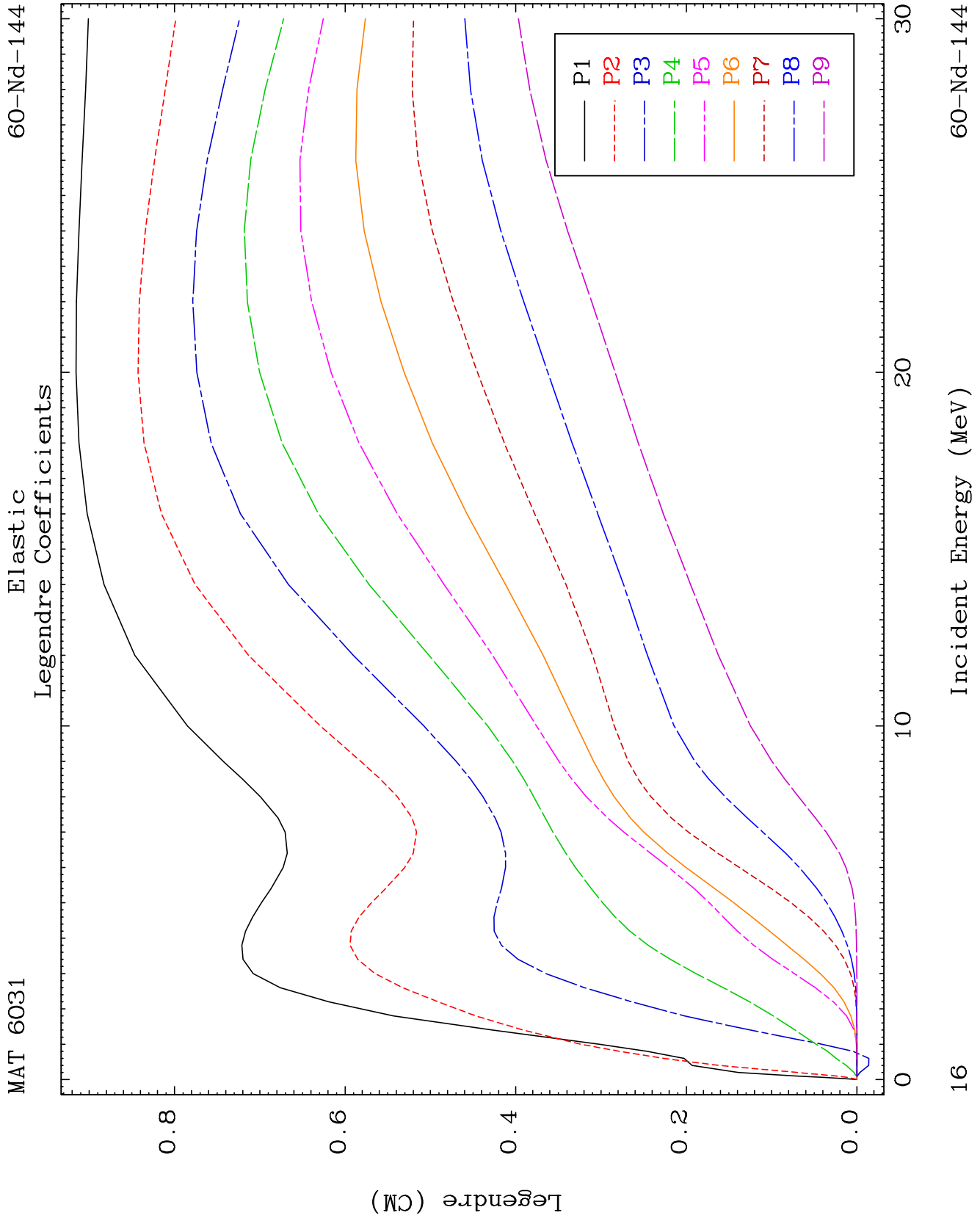
MAT 6031

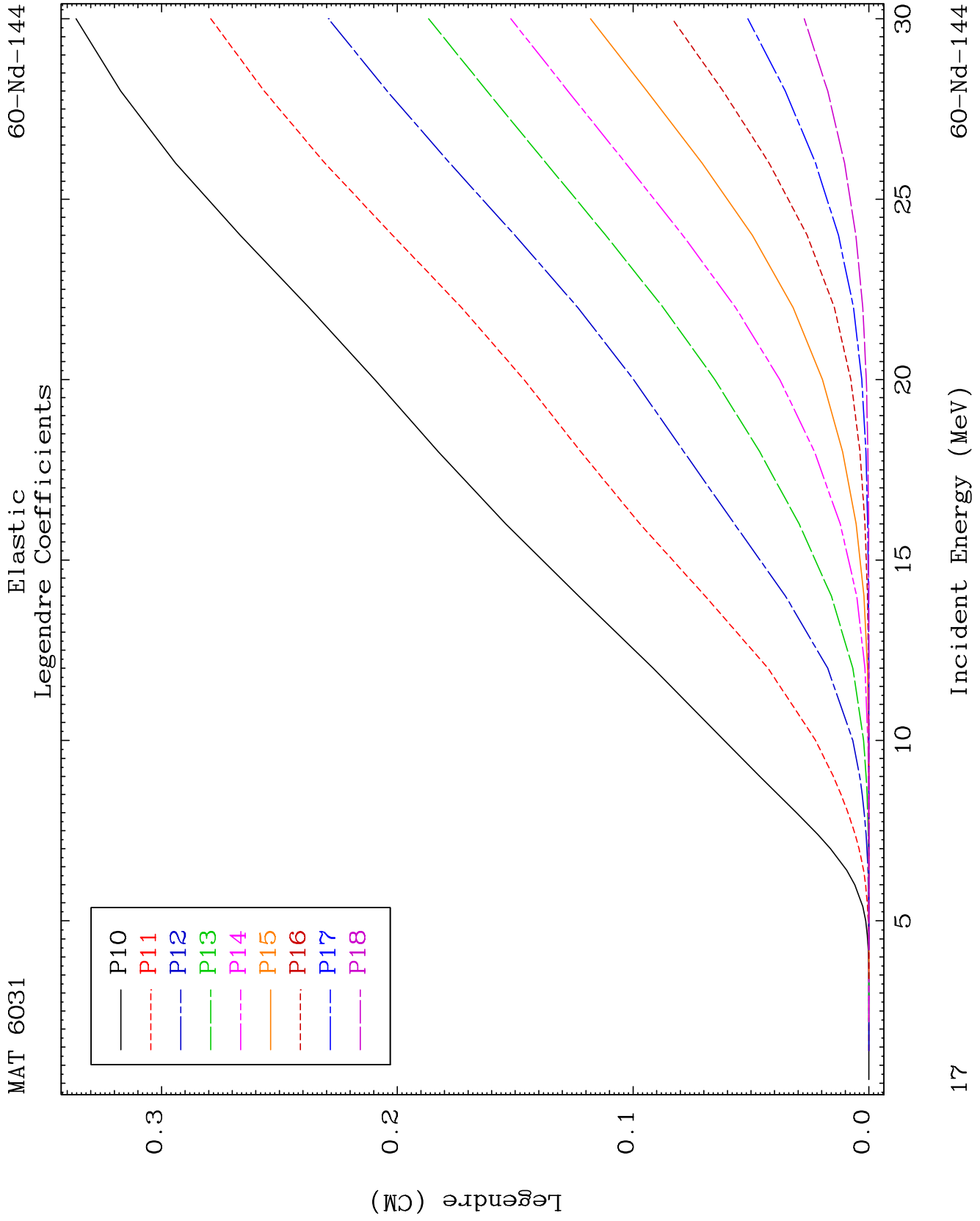
Energy Release
Parameters

60-Nd-144



15

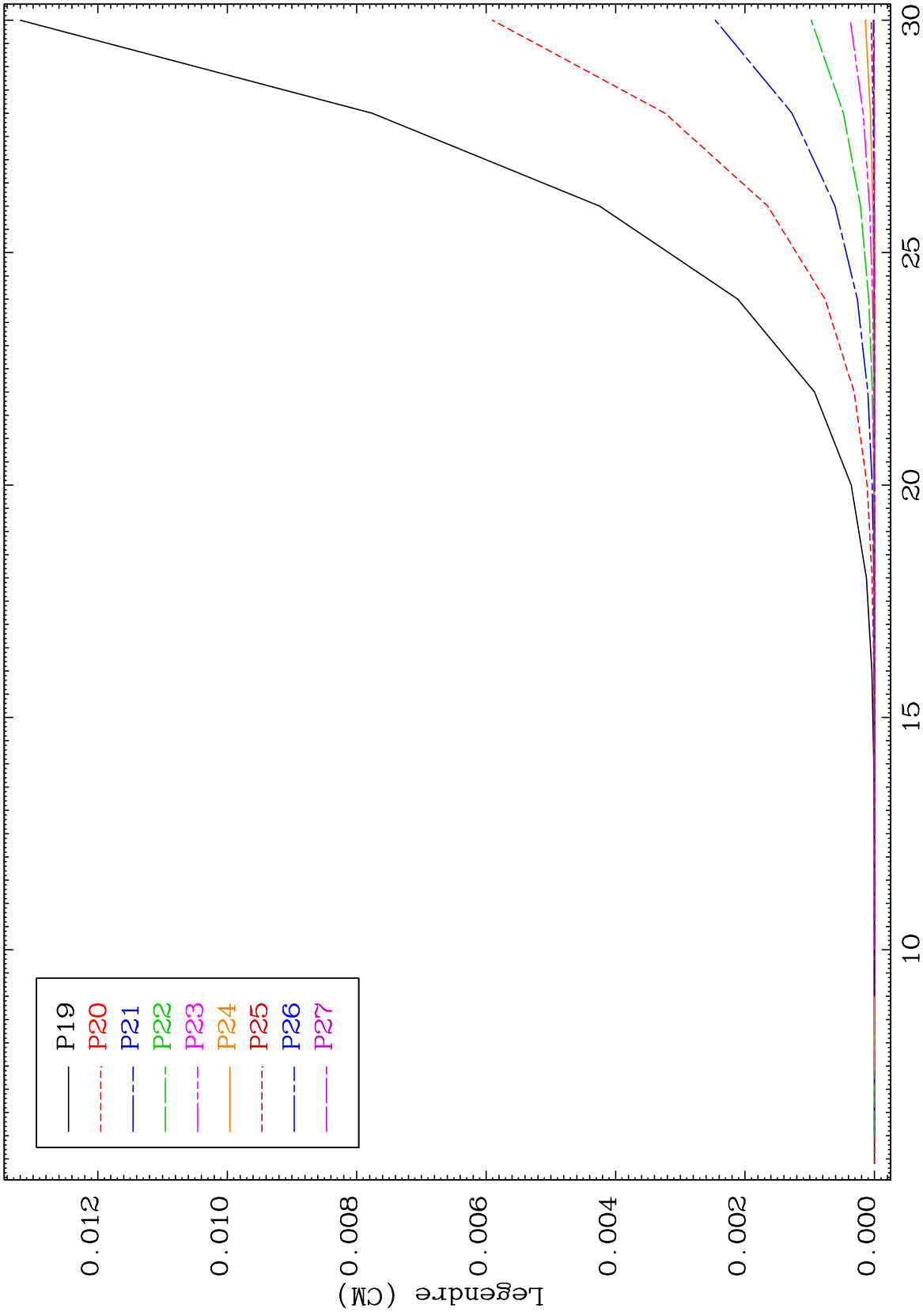




MAT 6031

Elastic Legendre Coefficients

60-Nd-144



18

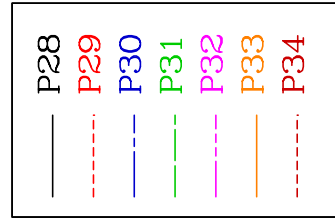
Incident Energy (MeV)

60-Nd-144

MAT 6031

Elastic
Legendre Coefficients

60-Nd-144



$\times 10^{-6}$

Legendre (CM)

1.5

1.0

0.5

0.0

0.0

15

20

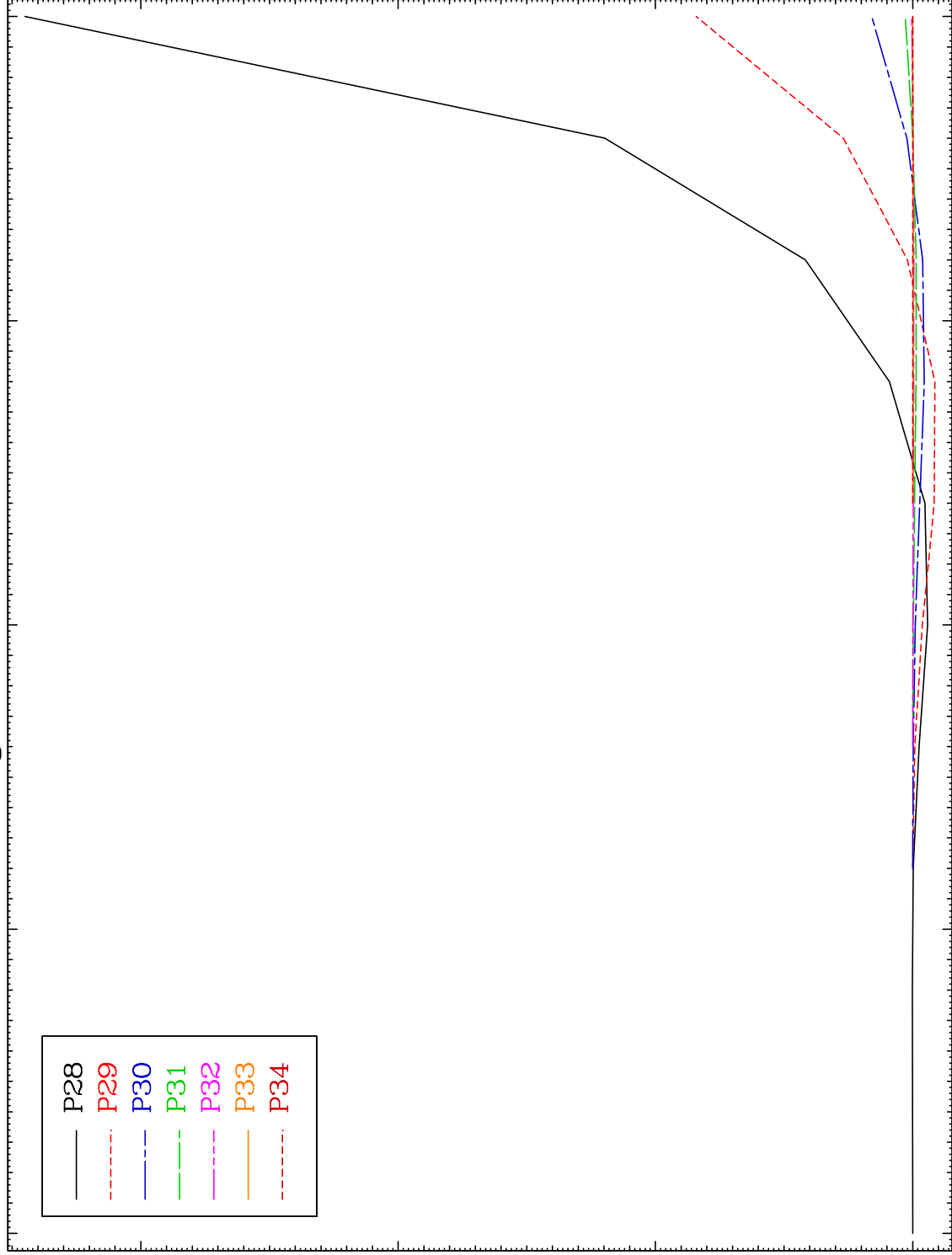
25

30

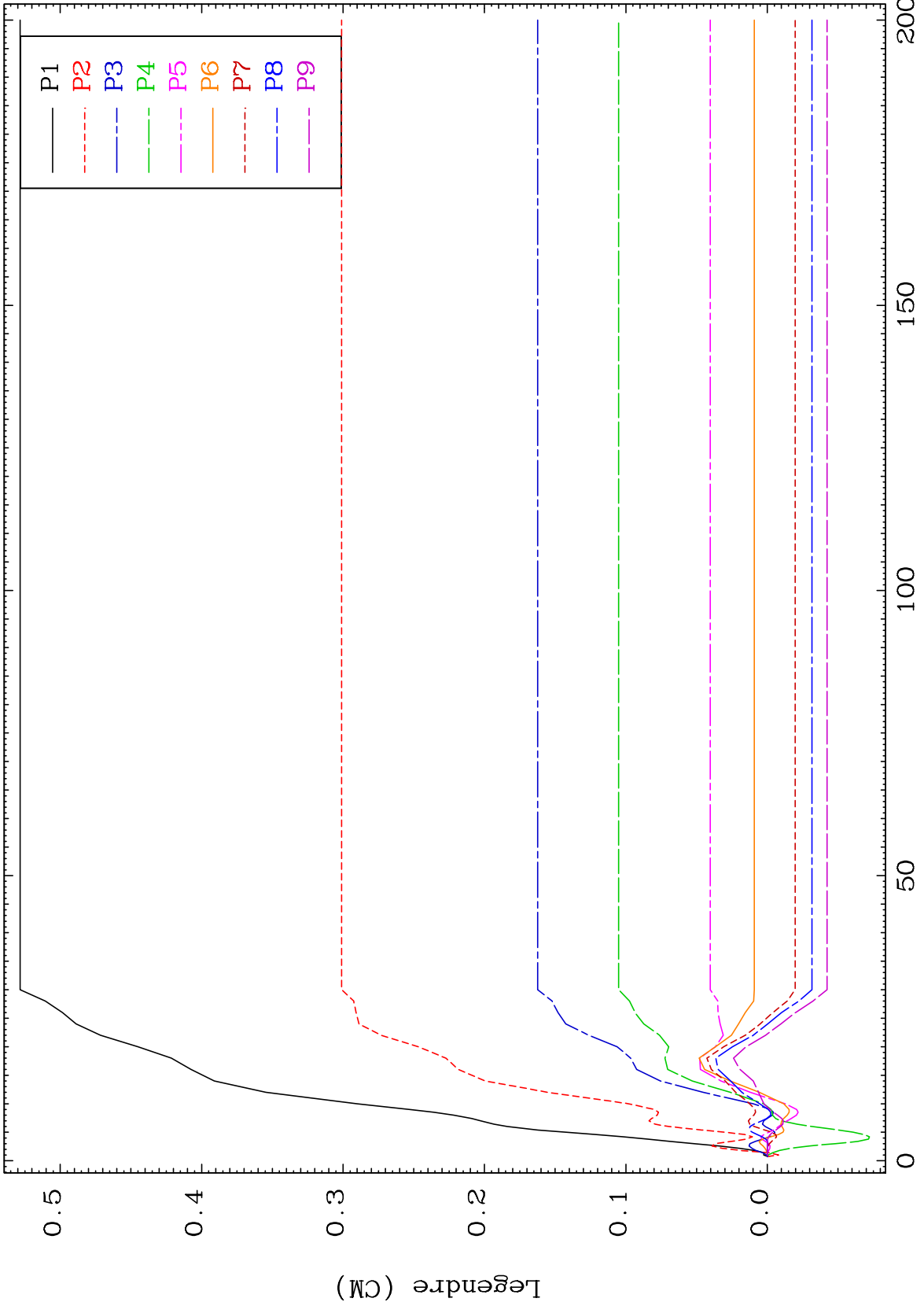
19

Incident Energy (MeV)

60-Nd-144

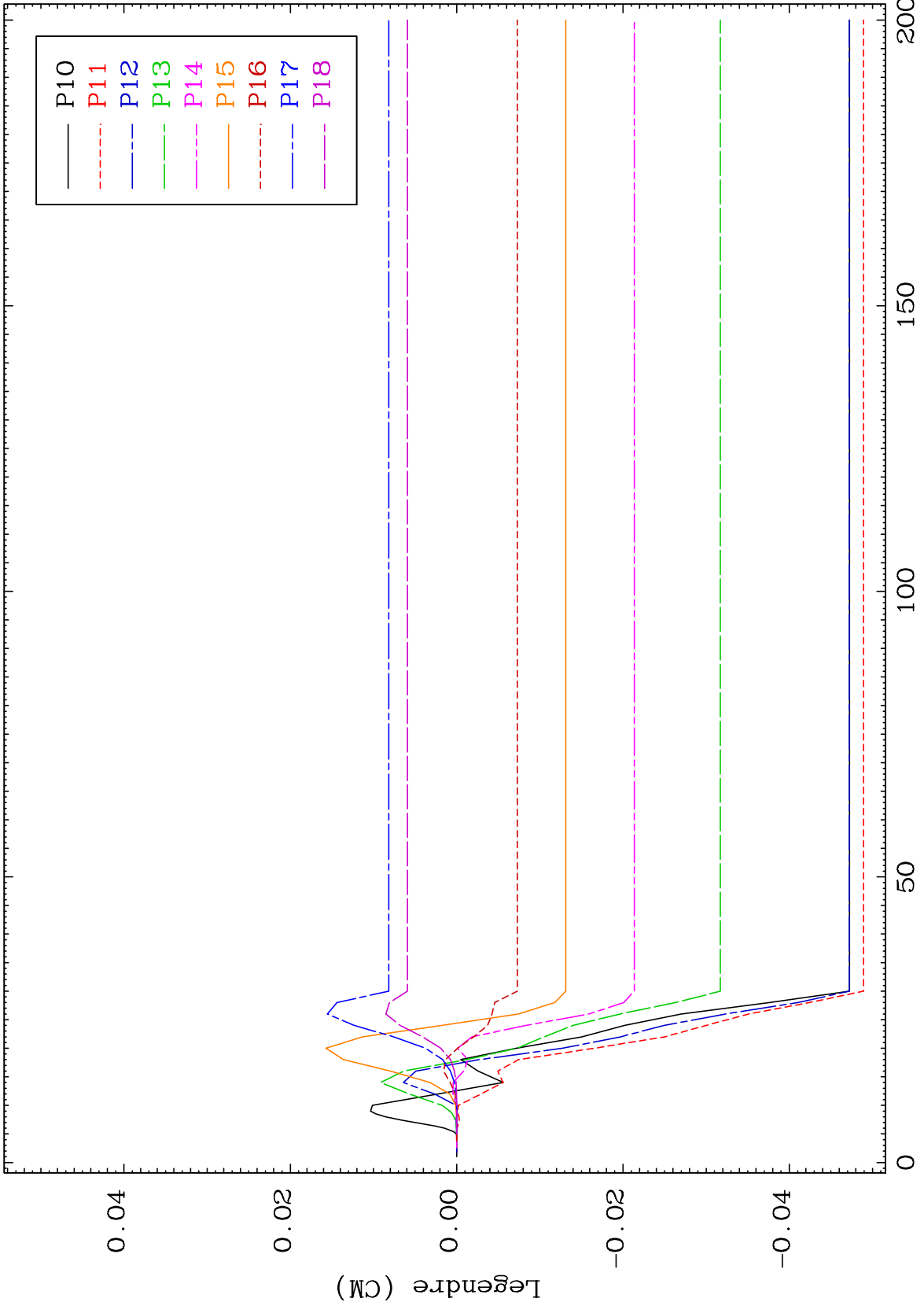


MAT 6031 MT= 51 (n,n') Level Legendre Coefficients 60-Nd-144



60-Nd-144 Incident Energy (MeV)

MAT 6031 MT= 51 (n,n') Level Legendre Coefficients 60-Nd-144

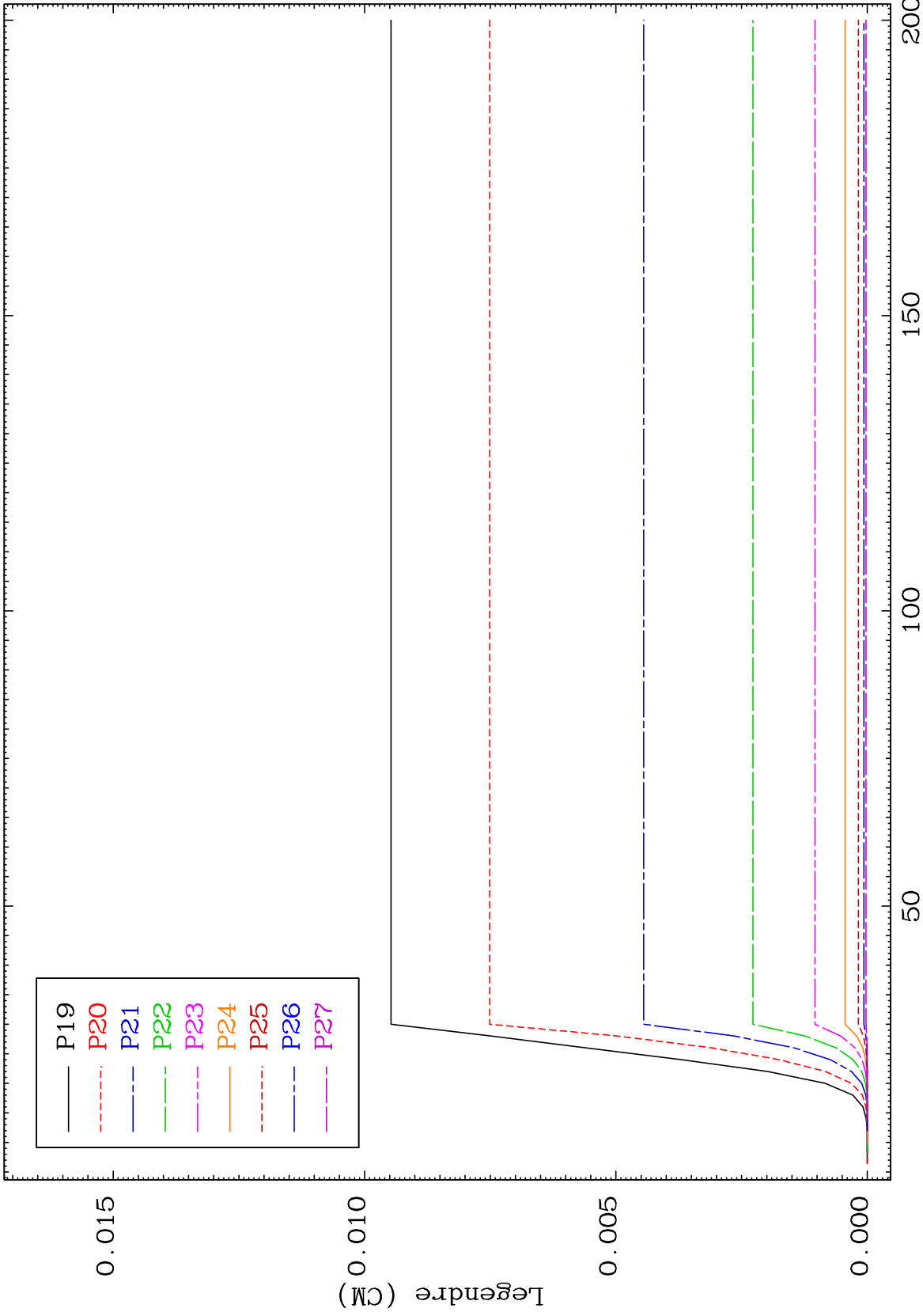


21 60-Nd-144

MAT 6031

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

60-Nd-144



22

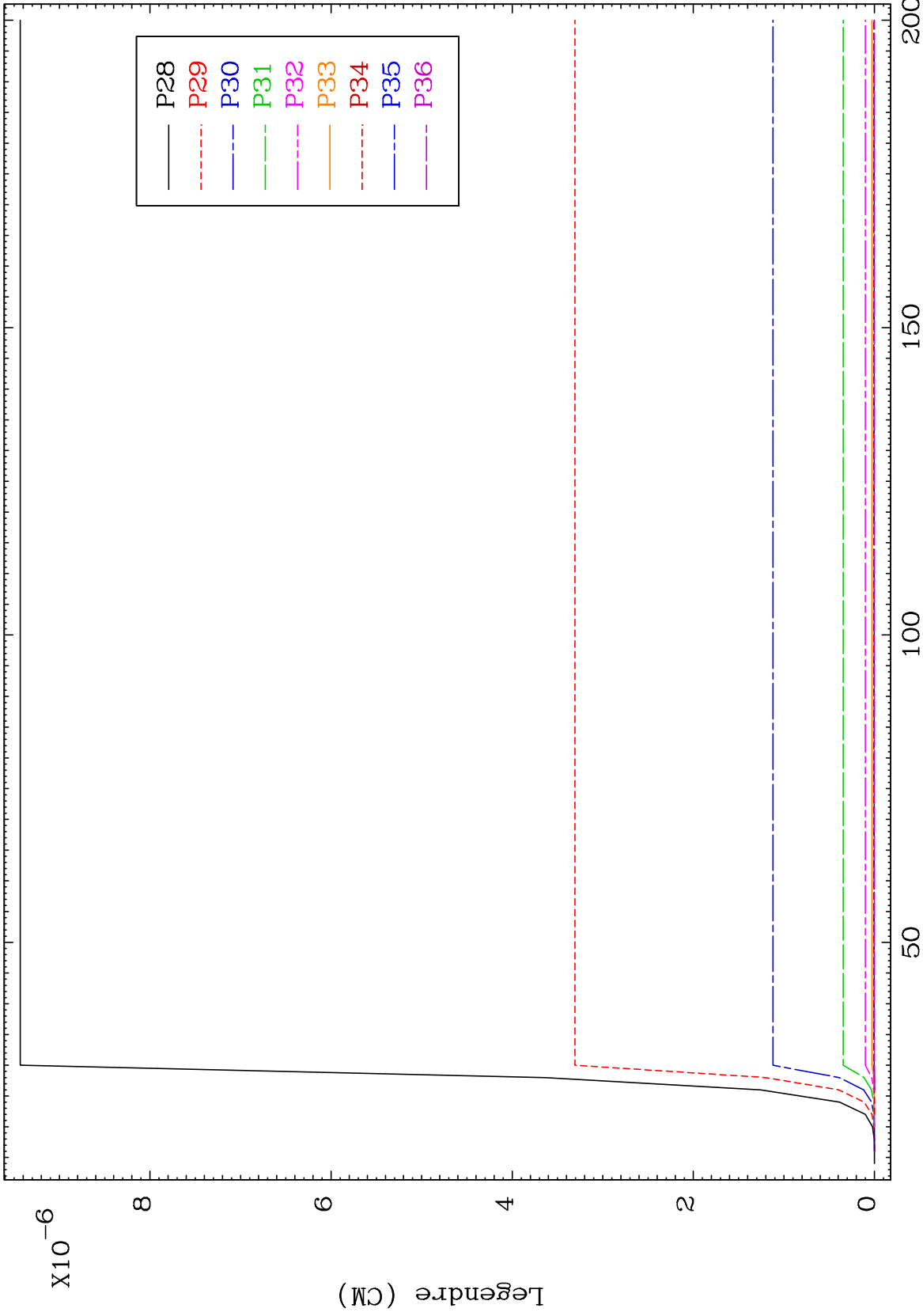
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

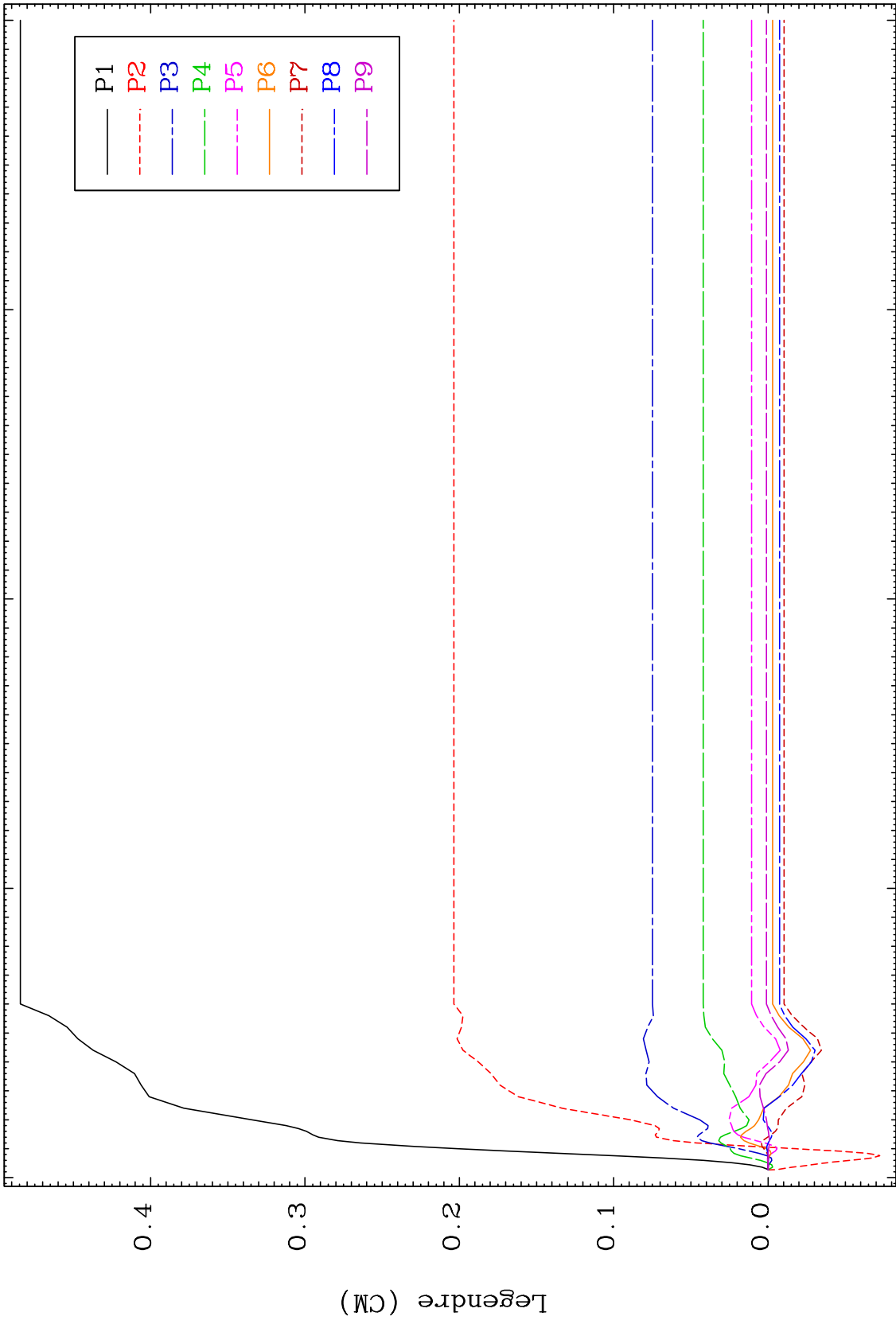
60-Nd-144



23

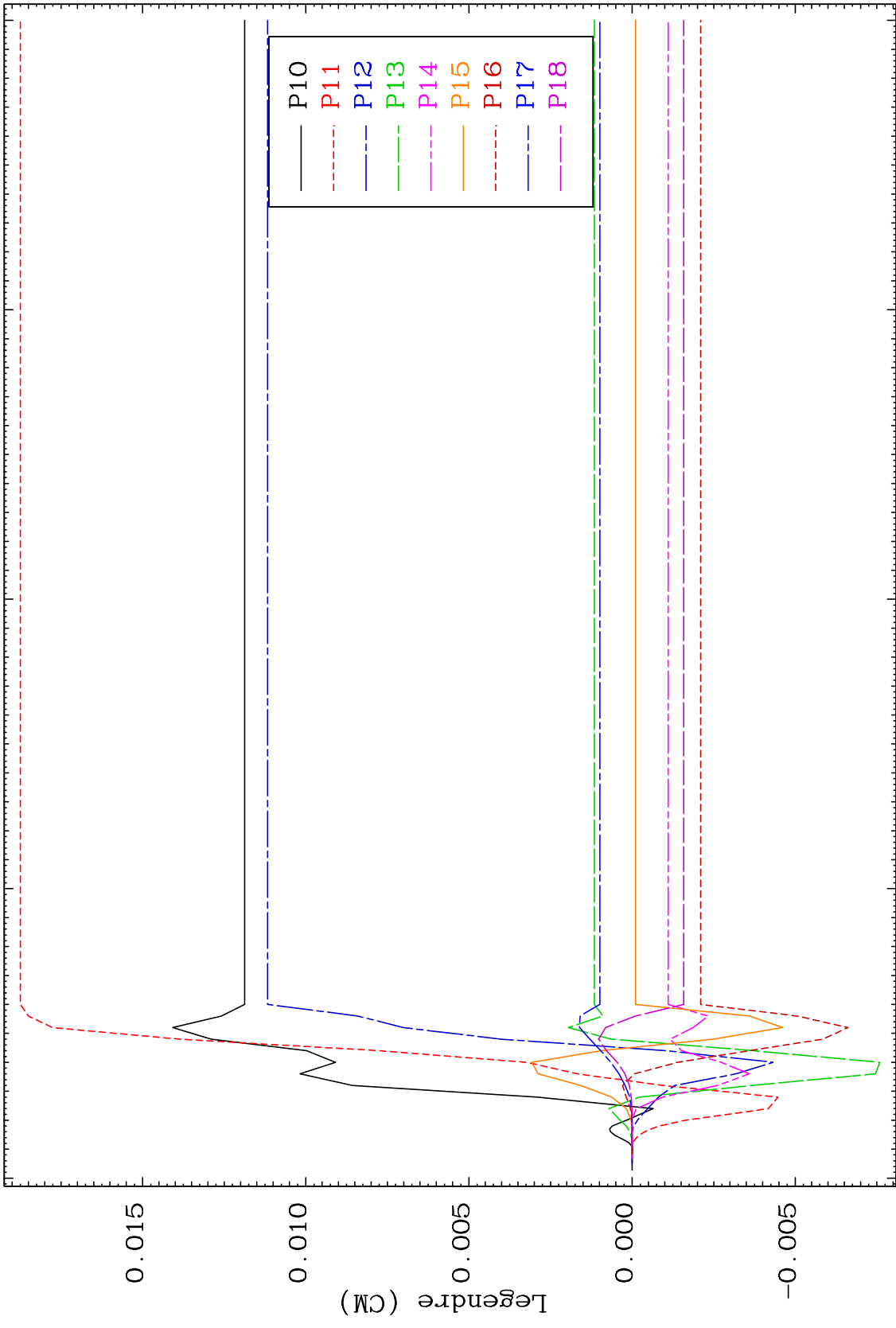
60-Nd-144

MAT 6031 MT= 52 (n,n') Level Legendre Coefficients 60-Nd-144



24 60-Nd-144

MAT 6031 MT= 52 (n,n') Level Legendre Coefficients 60-Nd-144

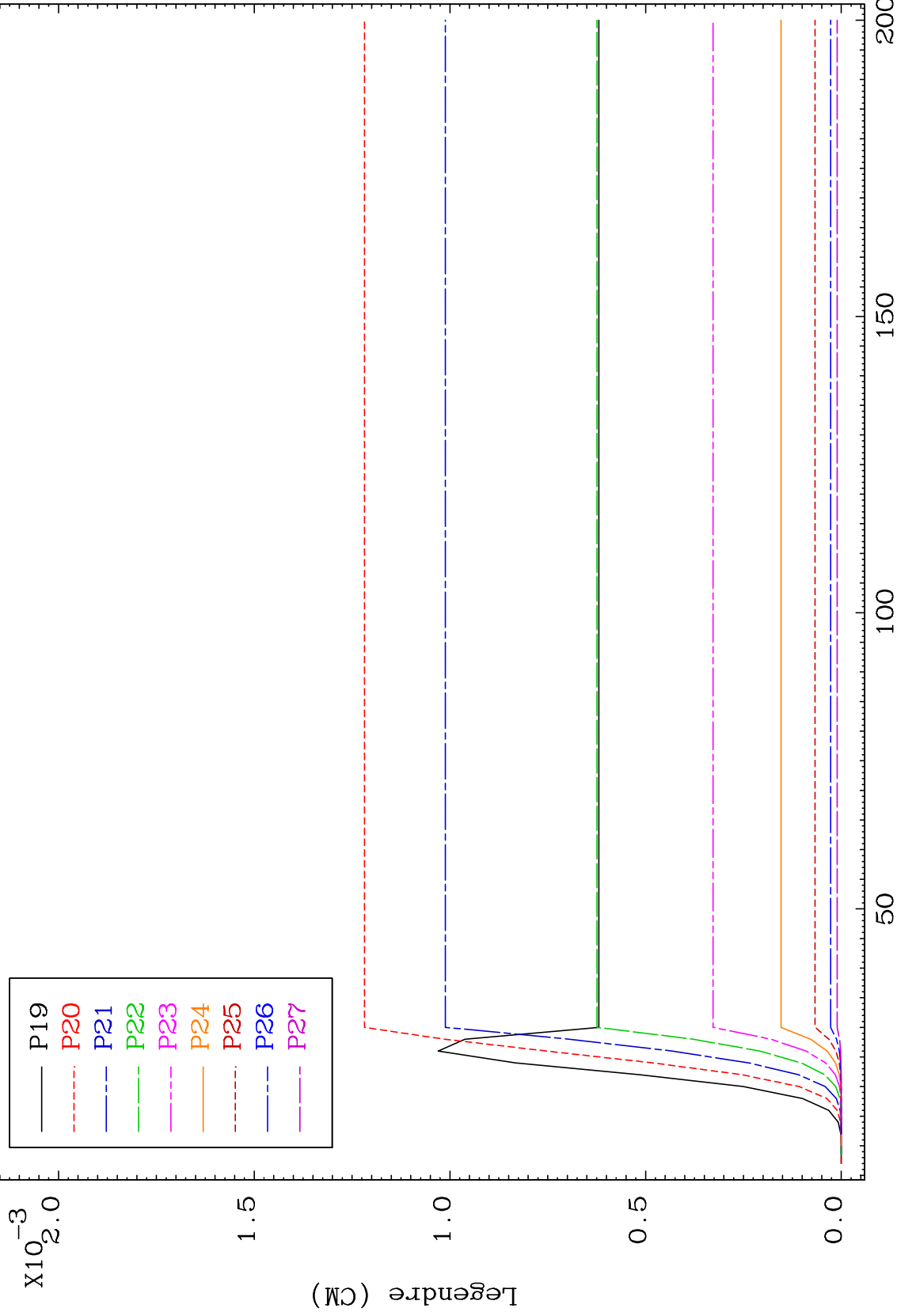


25 Incident Energy (MeV) 60-Nd-144

MAT 6031

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

60-Nd-144



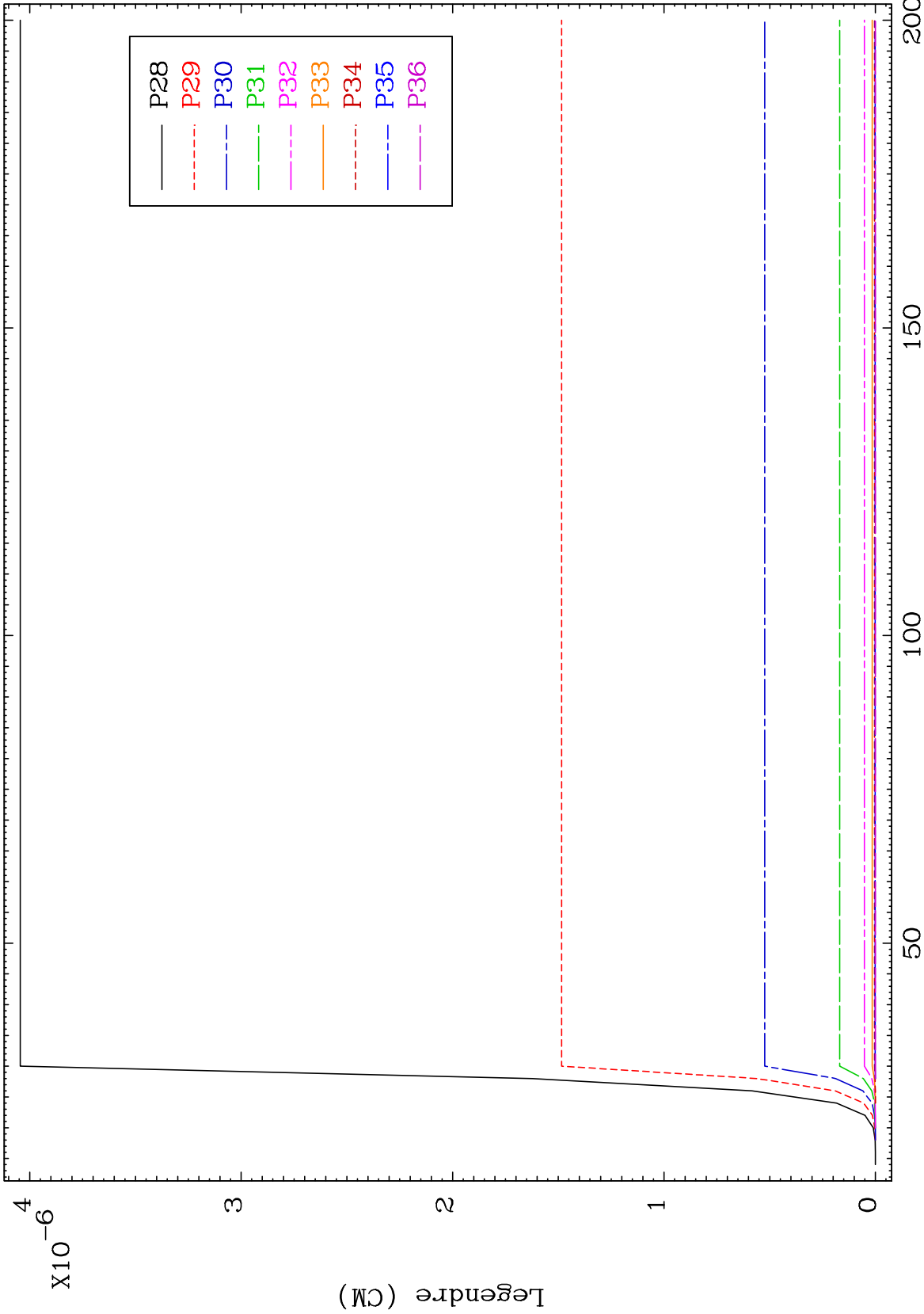
26

60-Nd-144

MAT 6031

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

60-Nd-144



27

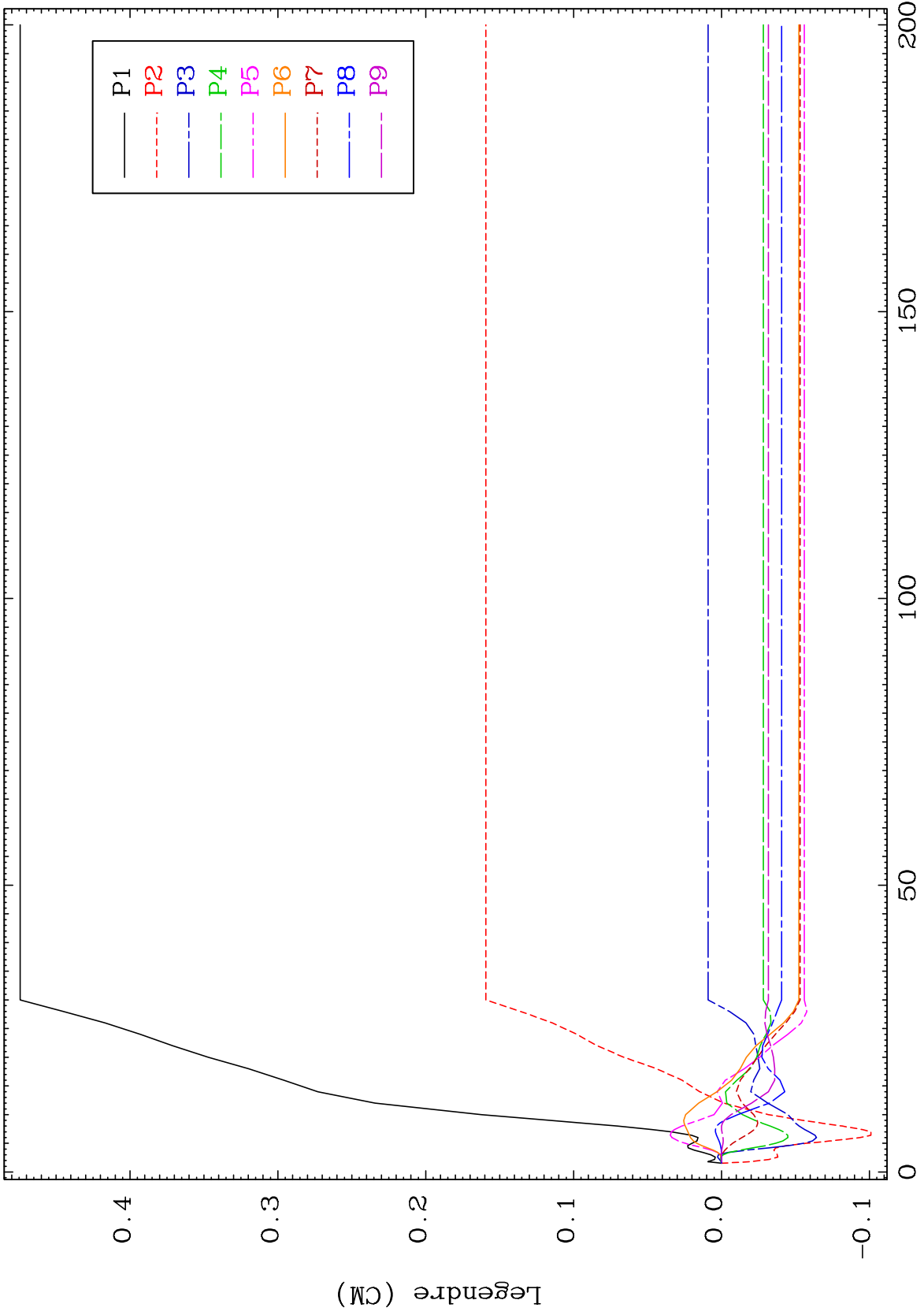
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



28

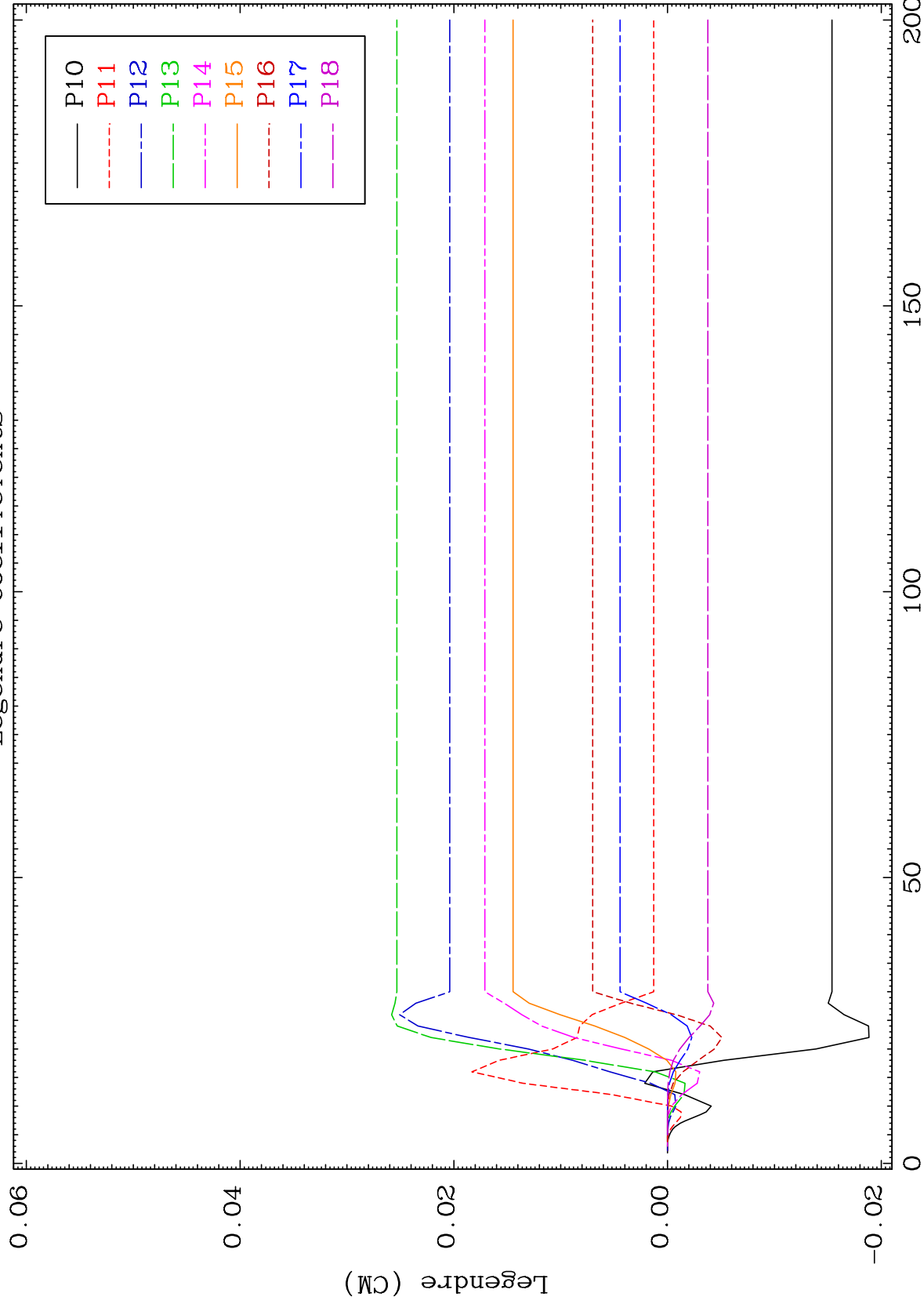
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



29

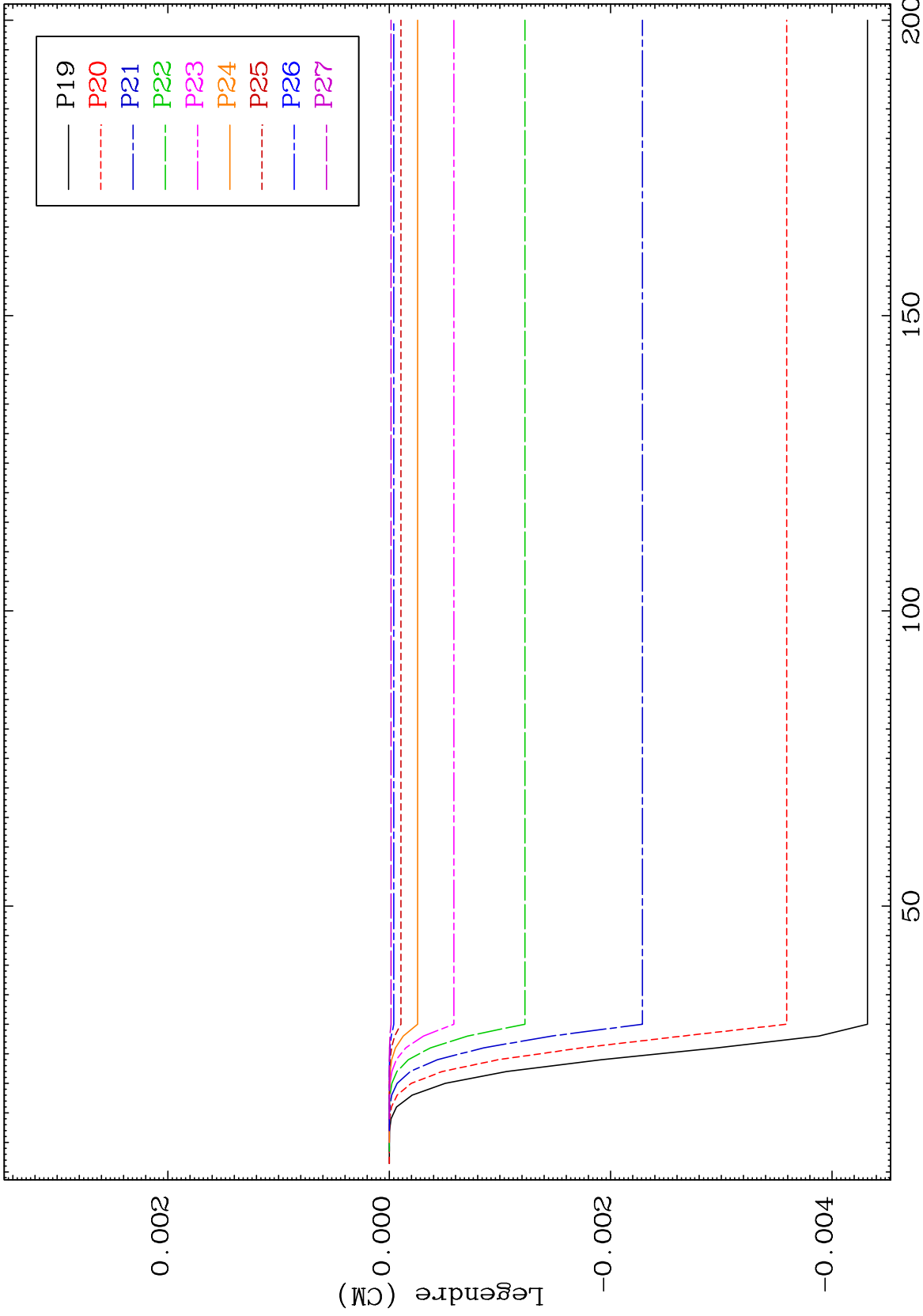
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



30

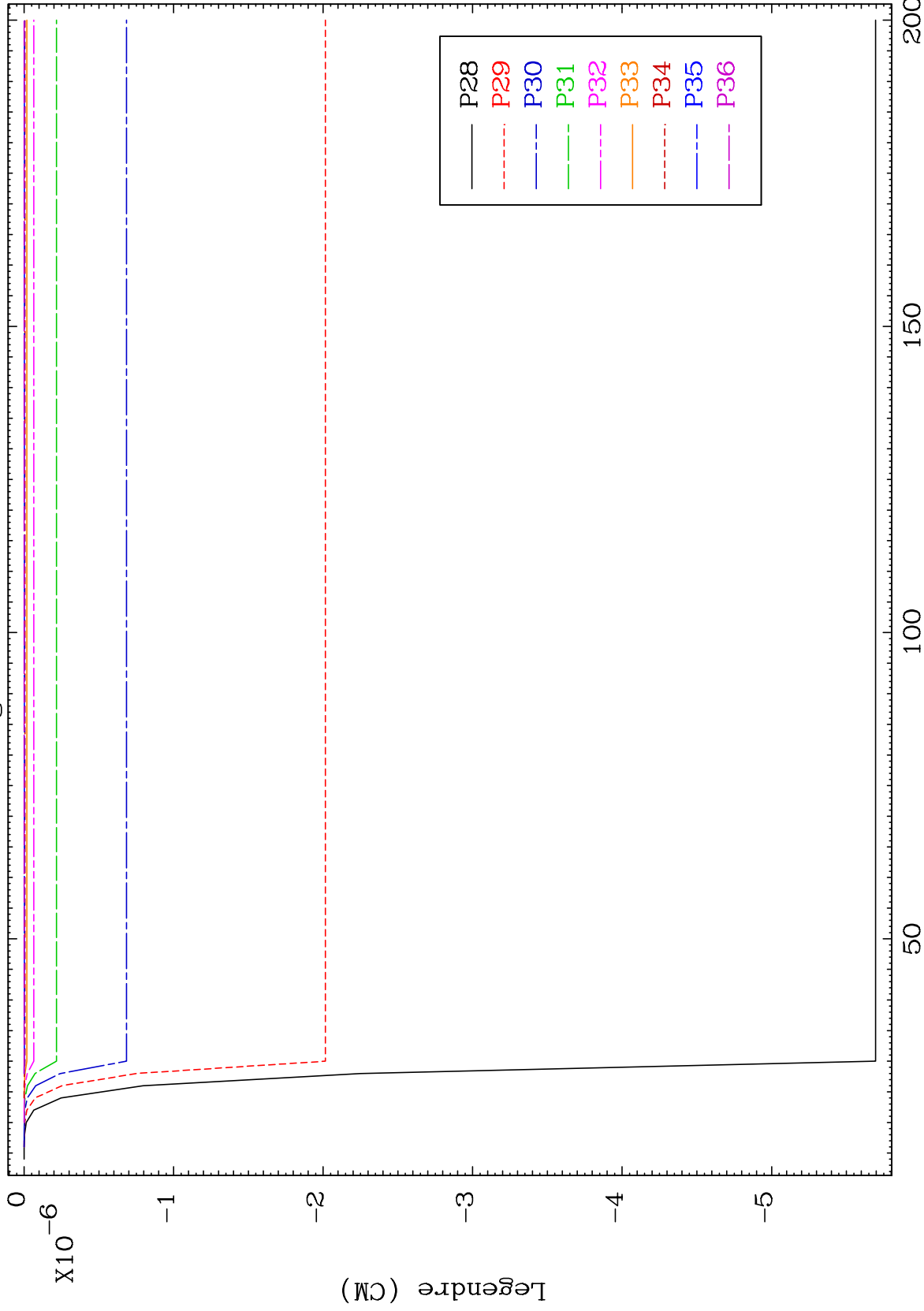
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

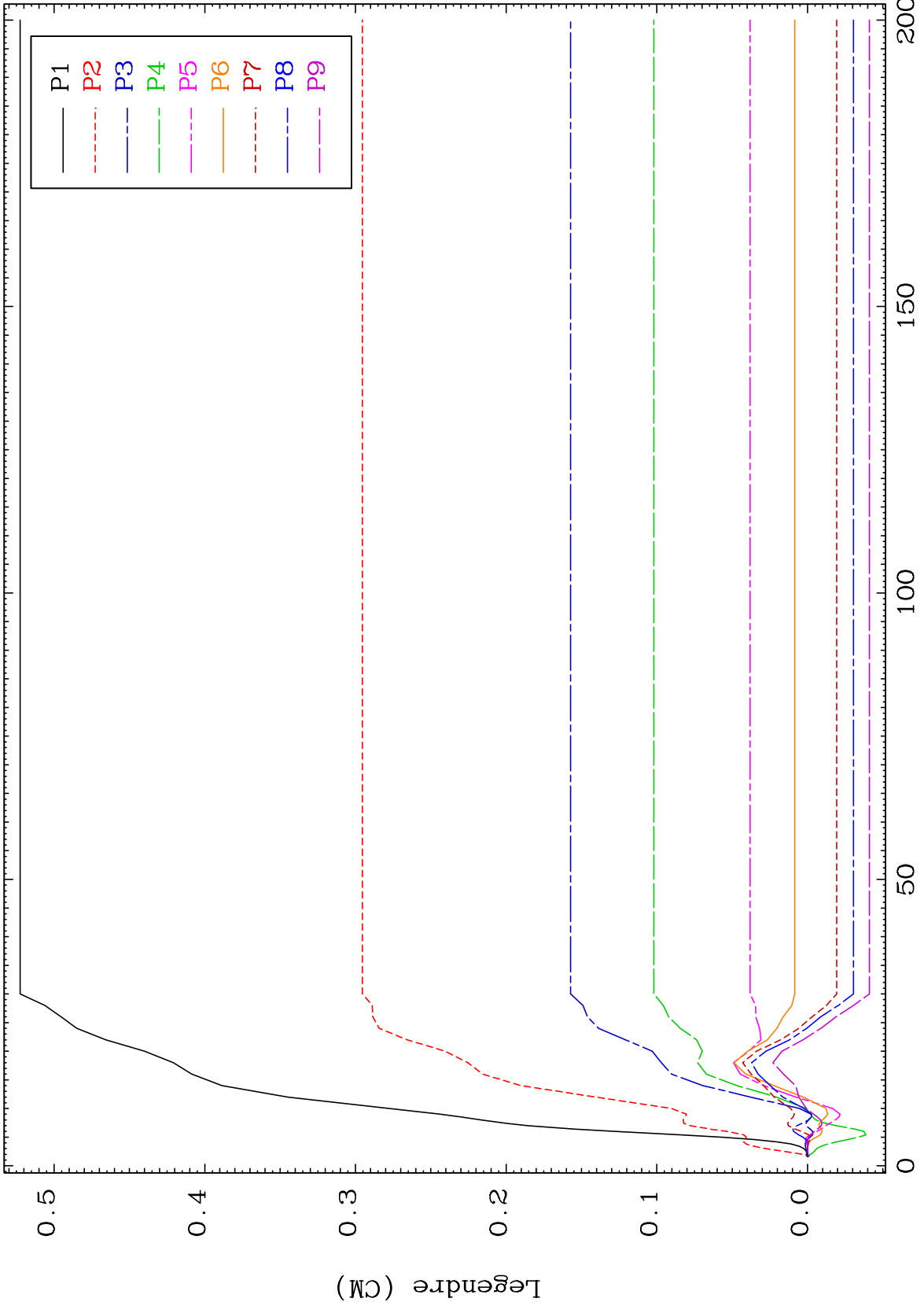
60-Nd-144



31

60-Nd-144

MAT 6031 MT= 54 (n,n') Level Legendre Coefficients 60-Nd-144

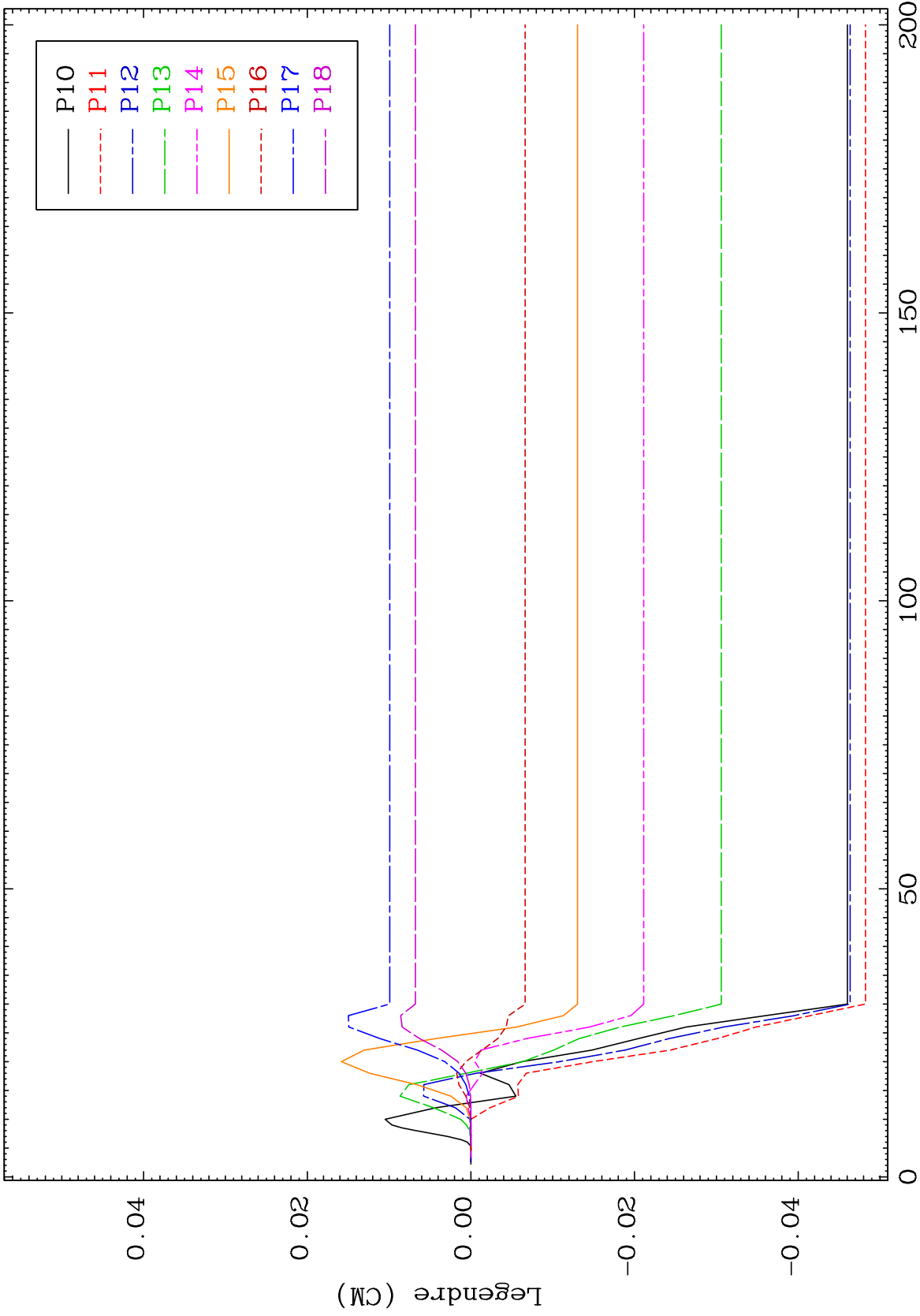


32 Incident Energy (MeV) 60-Nd-144

MAT 6031

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

60-Nd-144



33

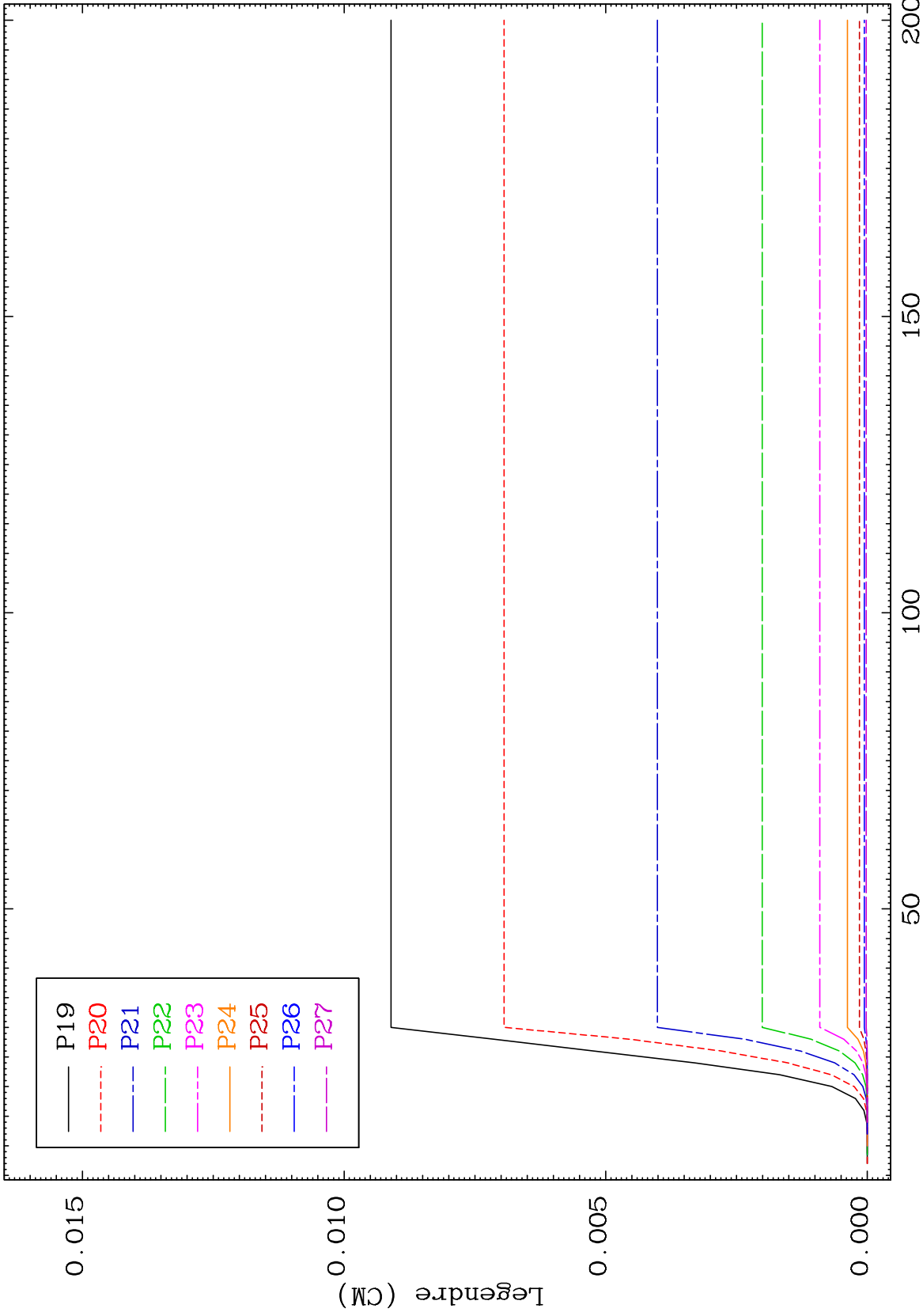
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



34

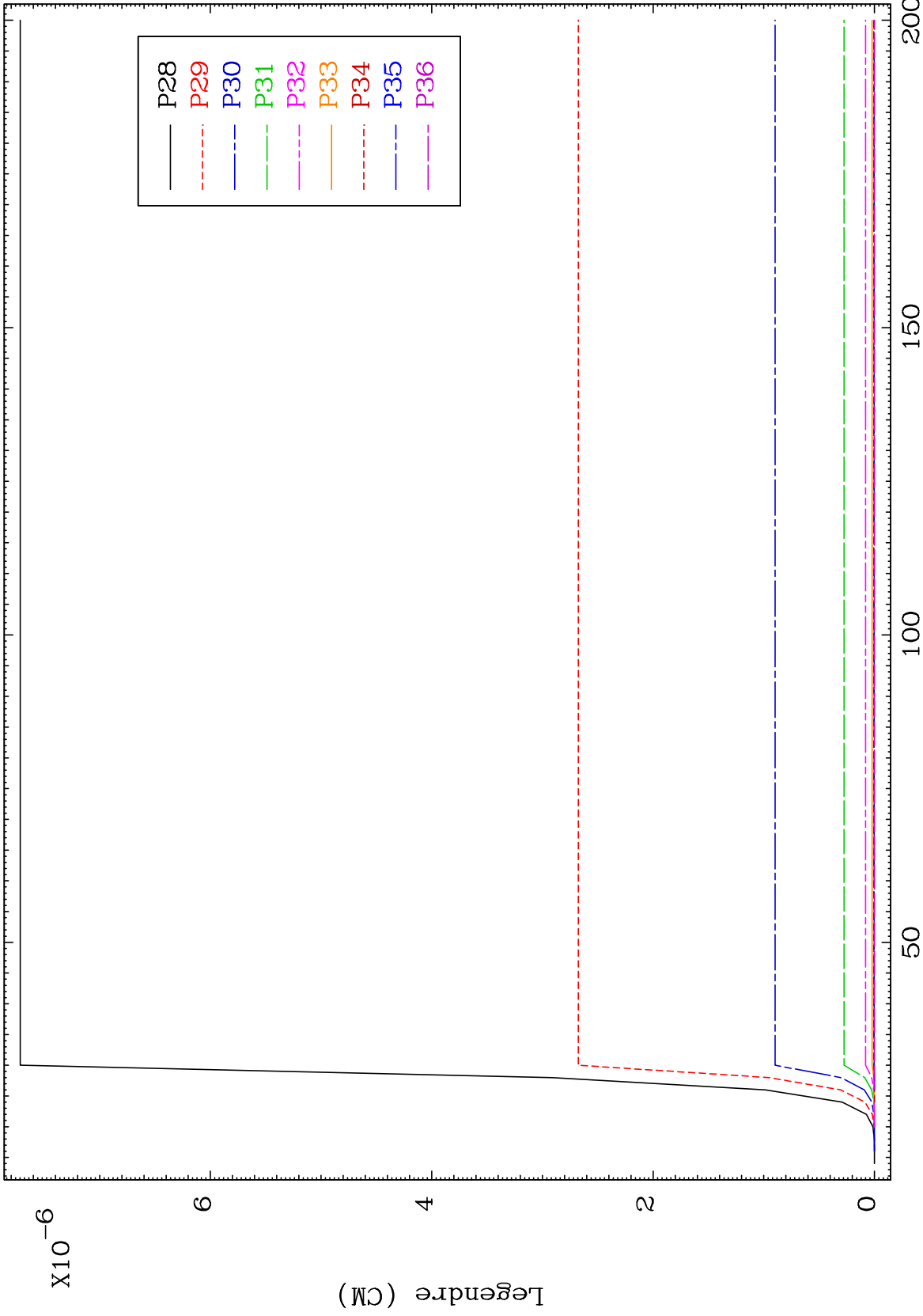
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144

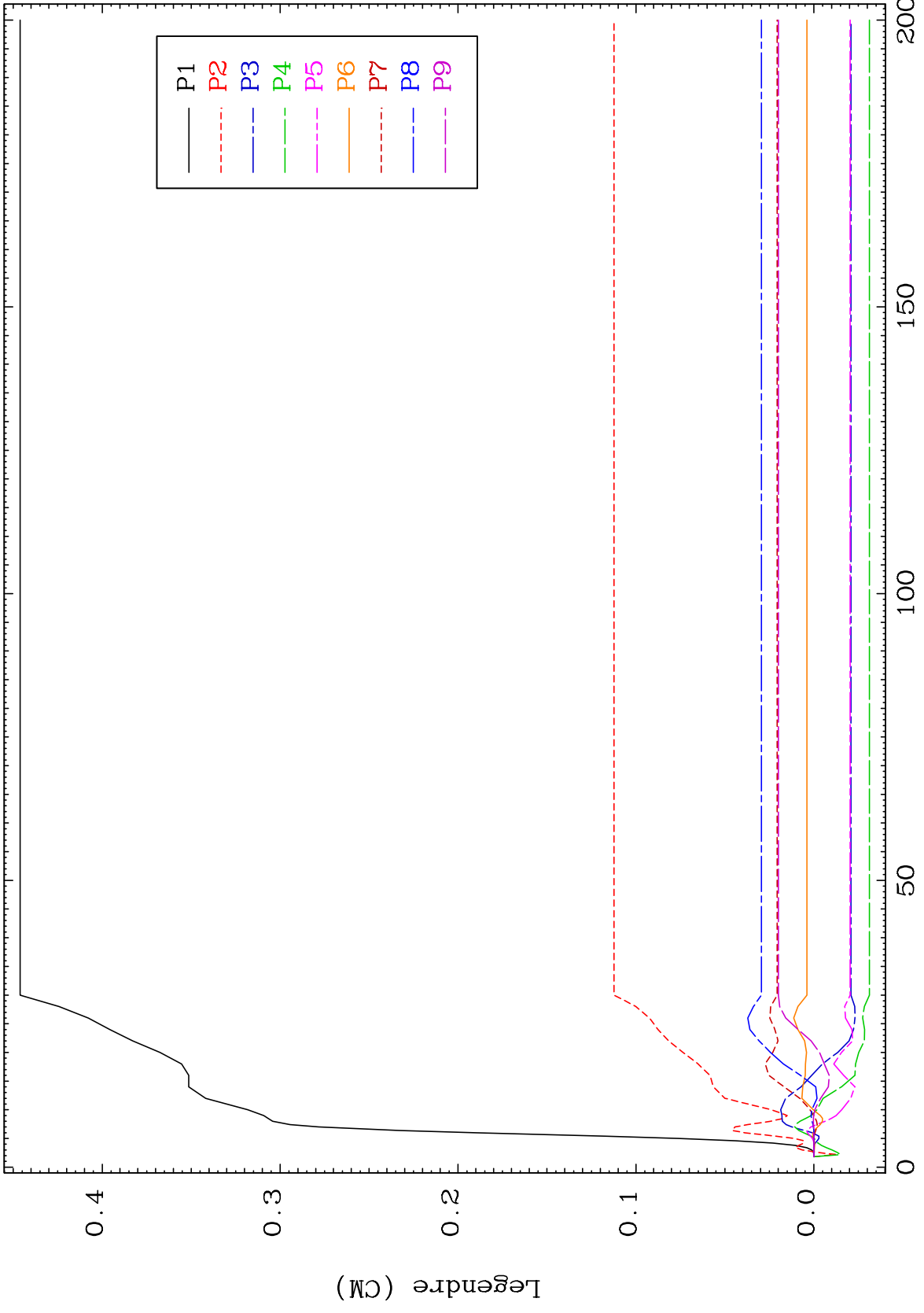


35

Incident Energy (MeV)

60-Nd-144

MAT 6031 MT= 55 (n,n') Level Legendre Coefficients 60-Nd-144

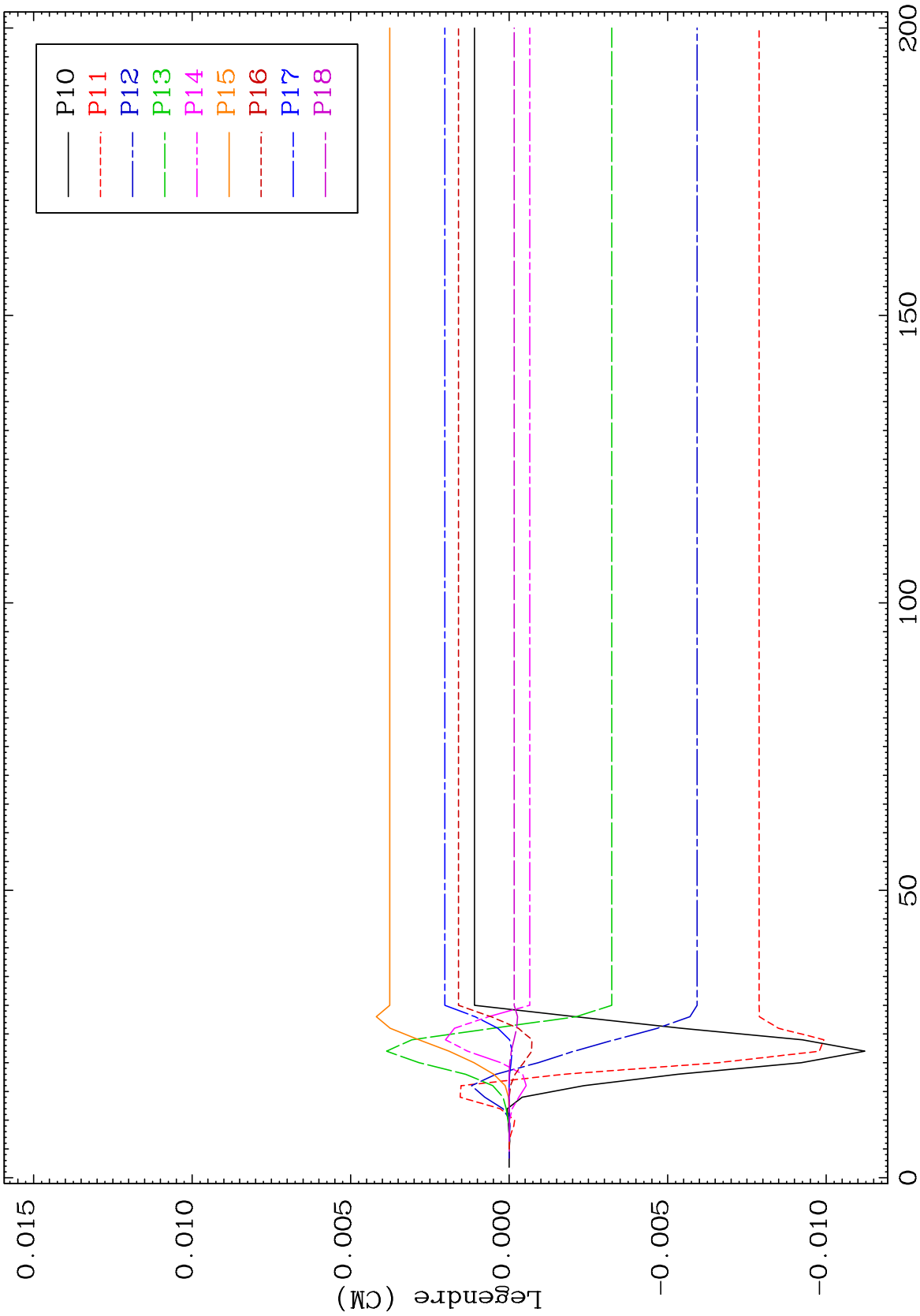


36 Incident Energy (MeV) 60-Nd-144

MAT 6031

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

60-Nd-144



37

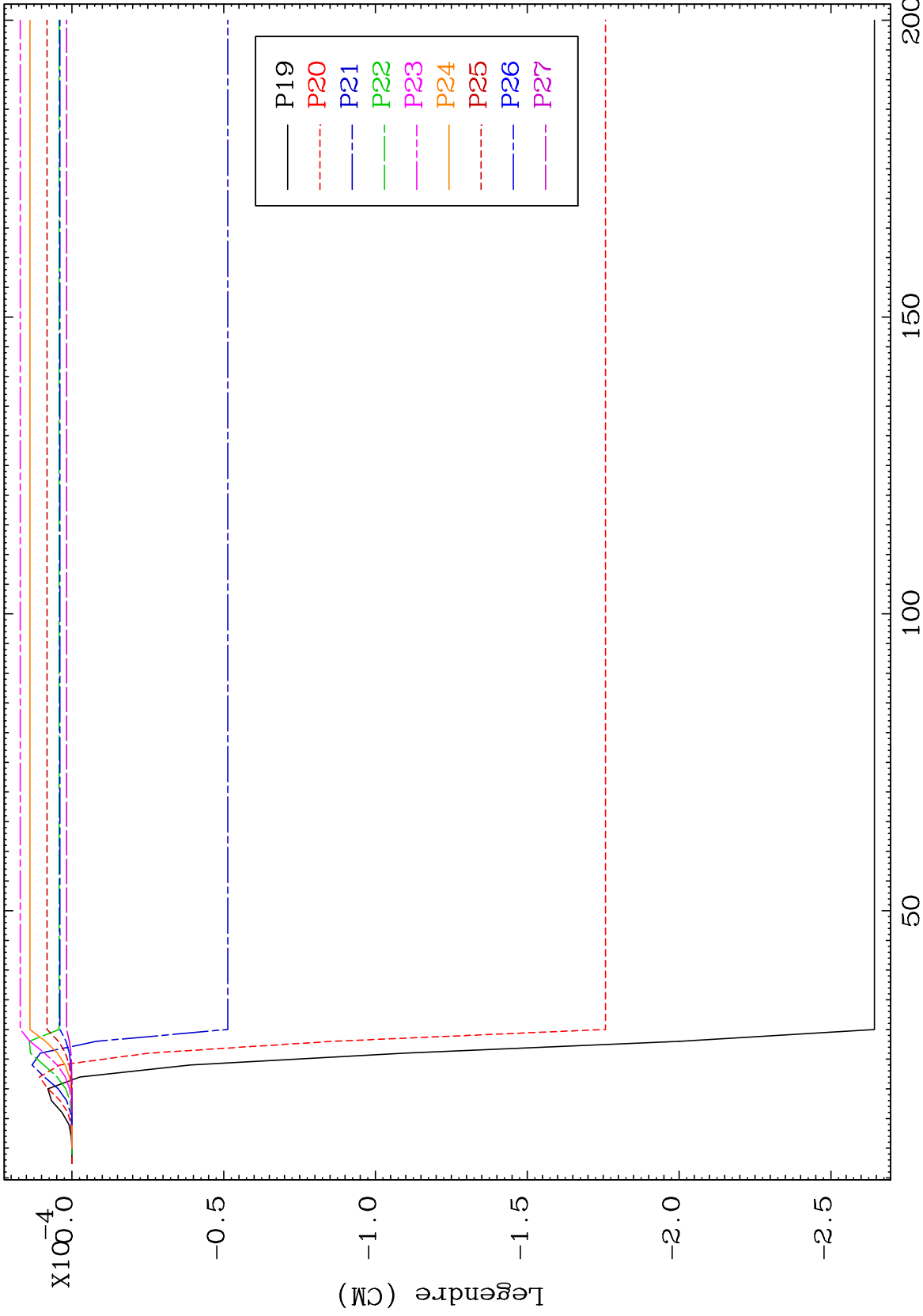
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



60-Nd-144

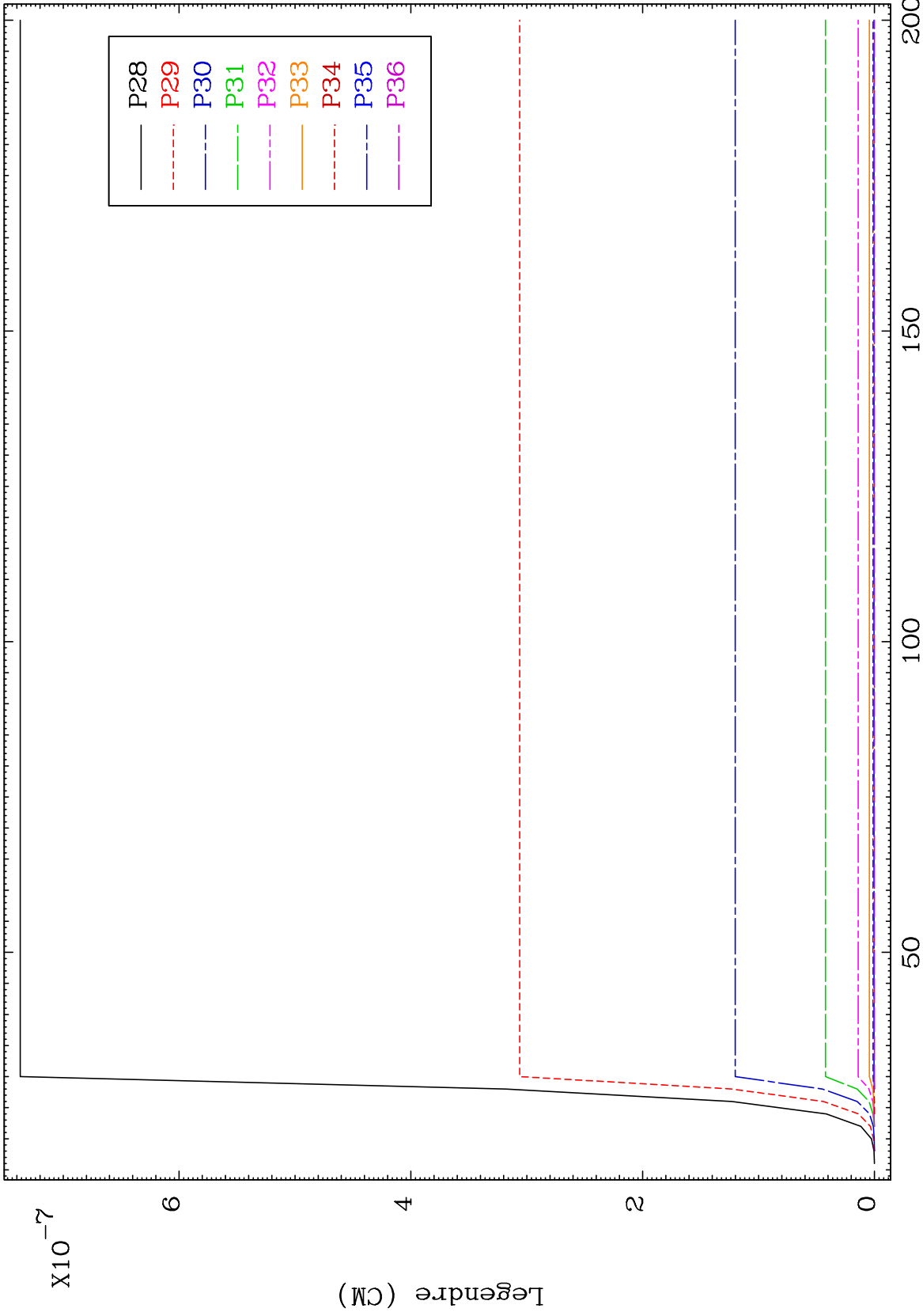
Incident Energy (MeV)

38

MAT 6031

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

60-Nd-144

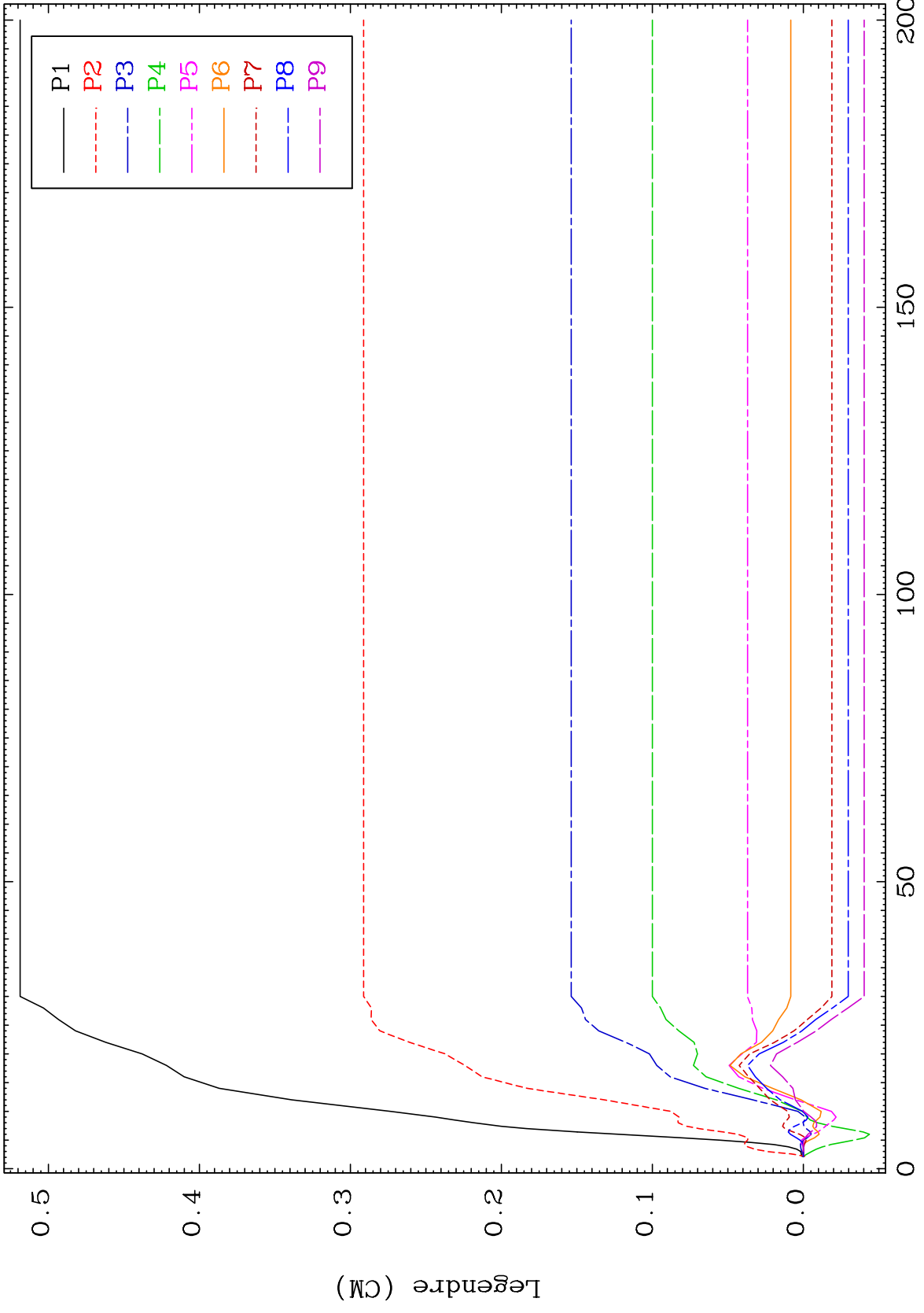


39

Incident Energy (MeV)

60-Nd-144

MAT 6031 MT= 56 (n,n') Level Legendre Coefficients 60-Nd-144

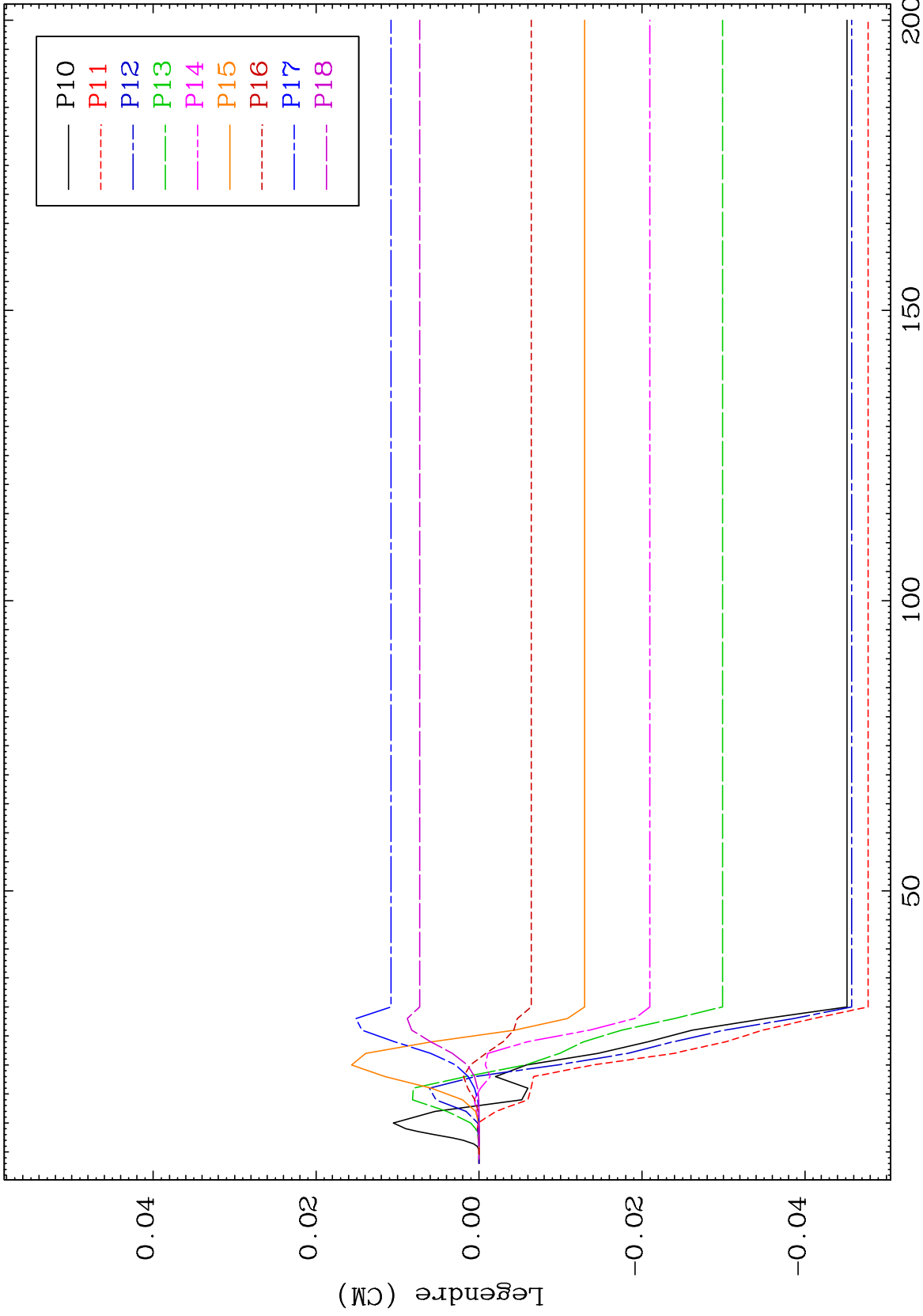


60-Nd-144

MAT 6031

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

60-Nd-144



41

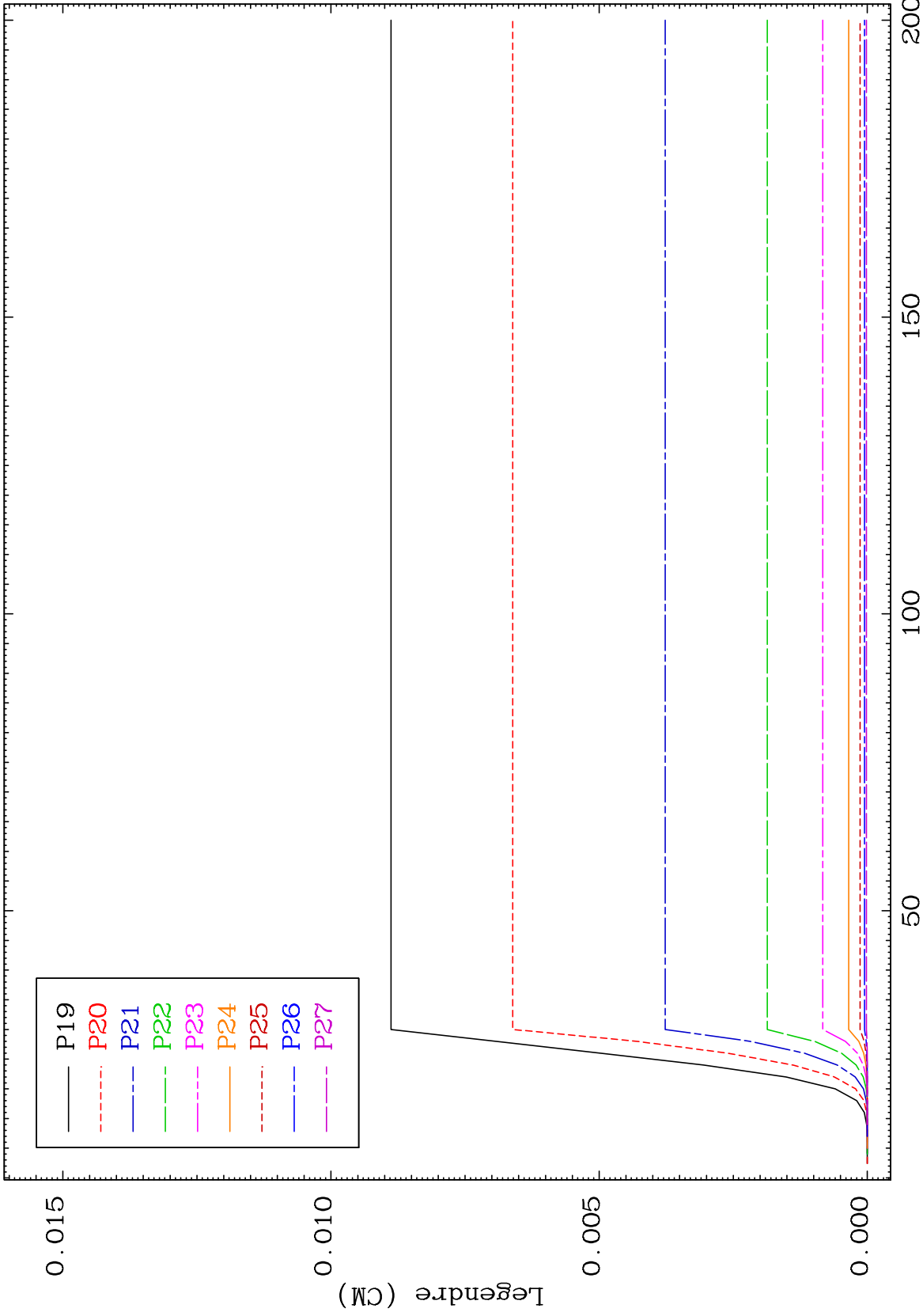
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



42

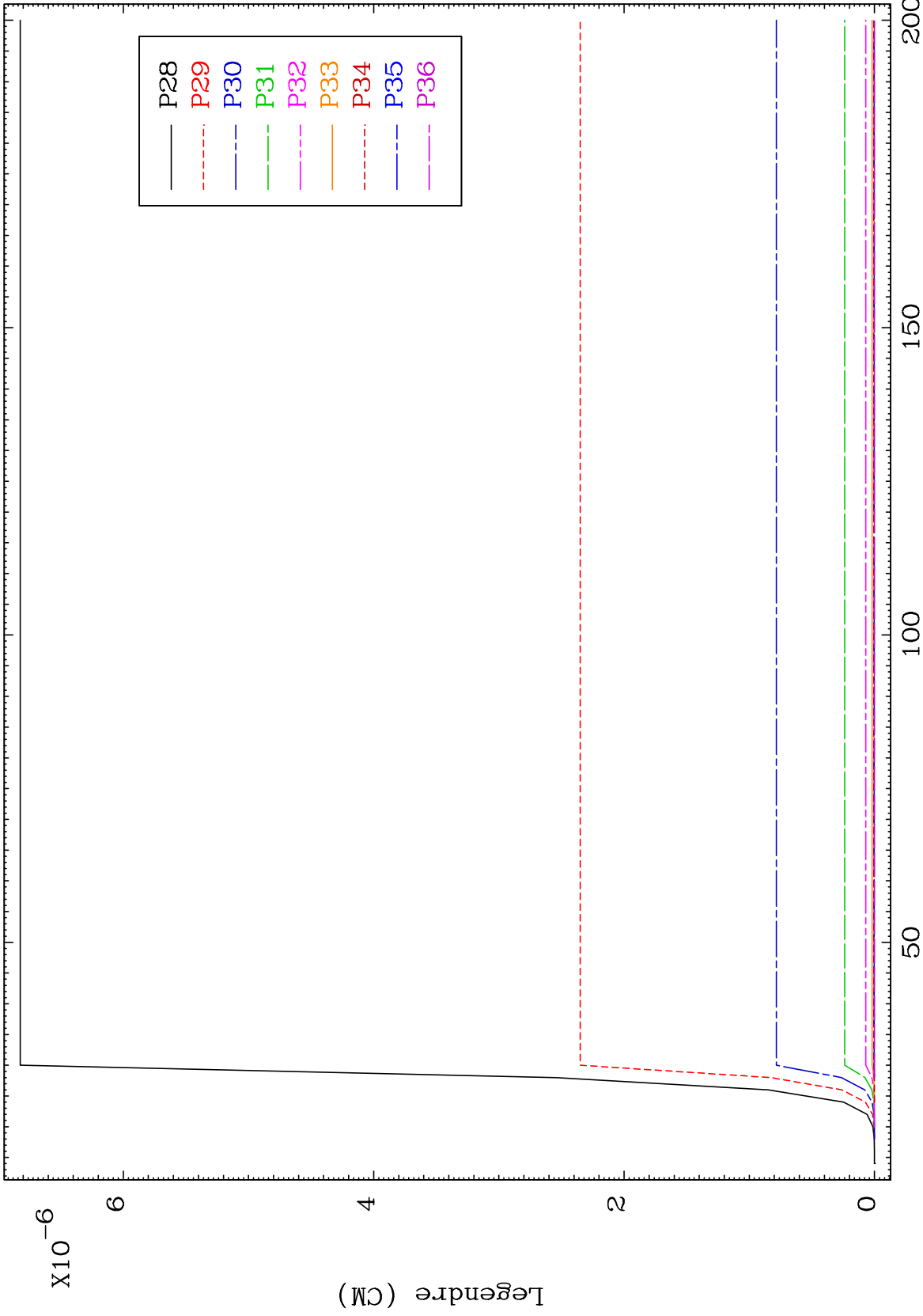
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144

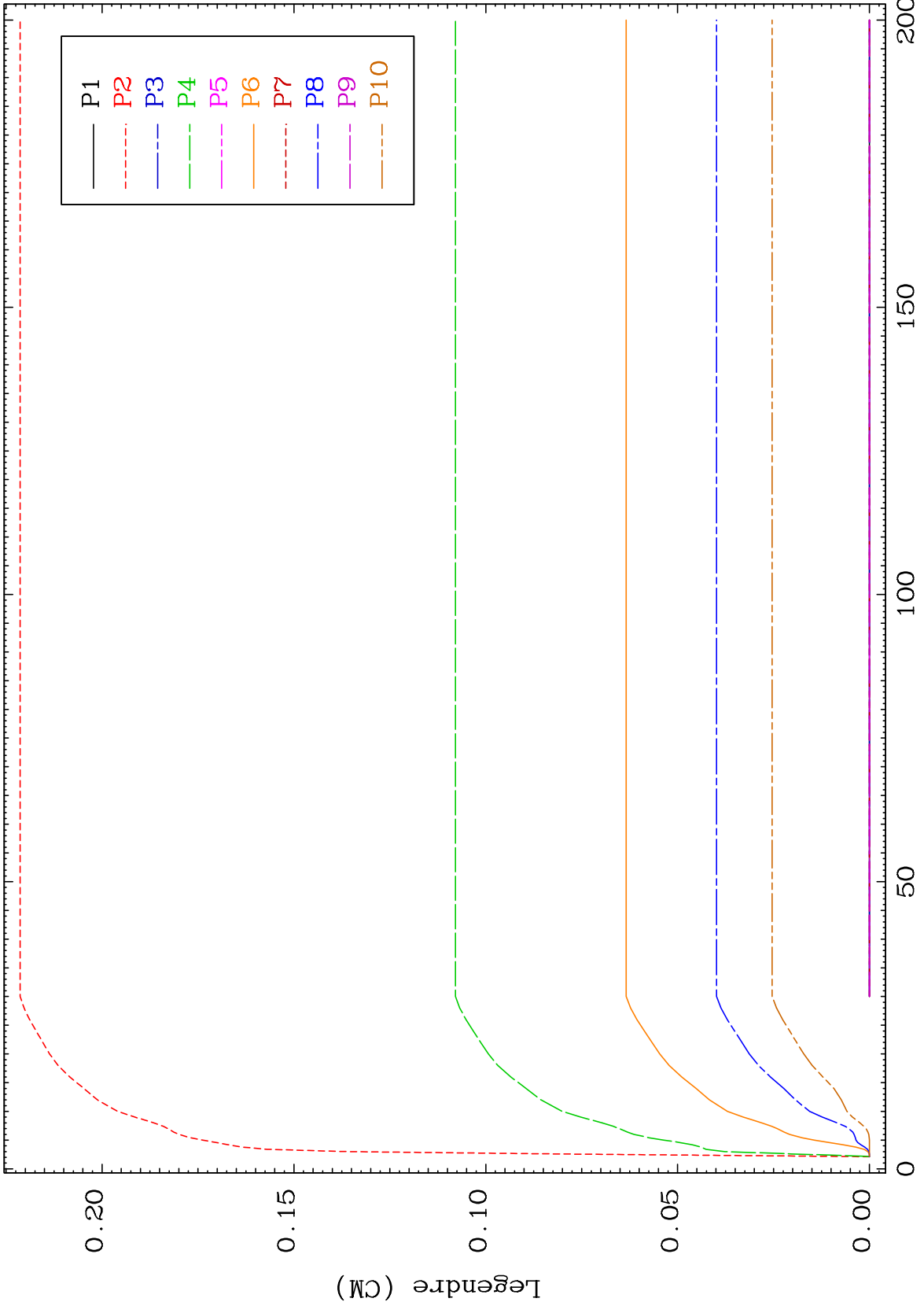


43

Incident Energy (MeV)

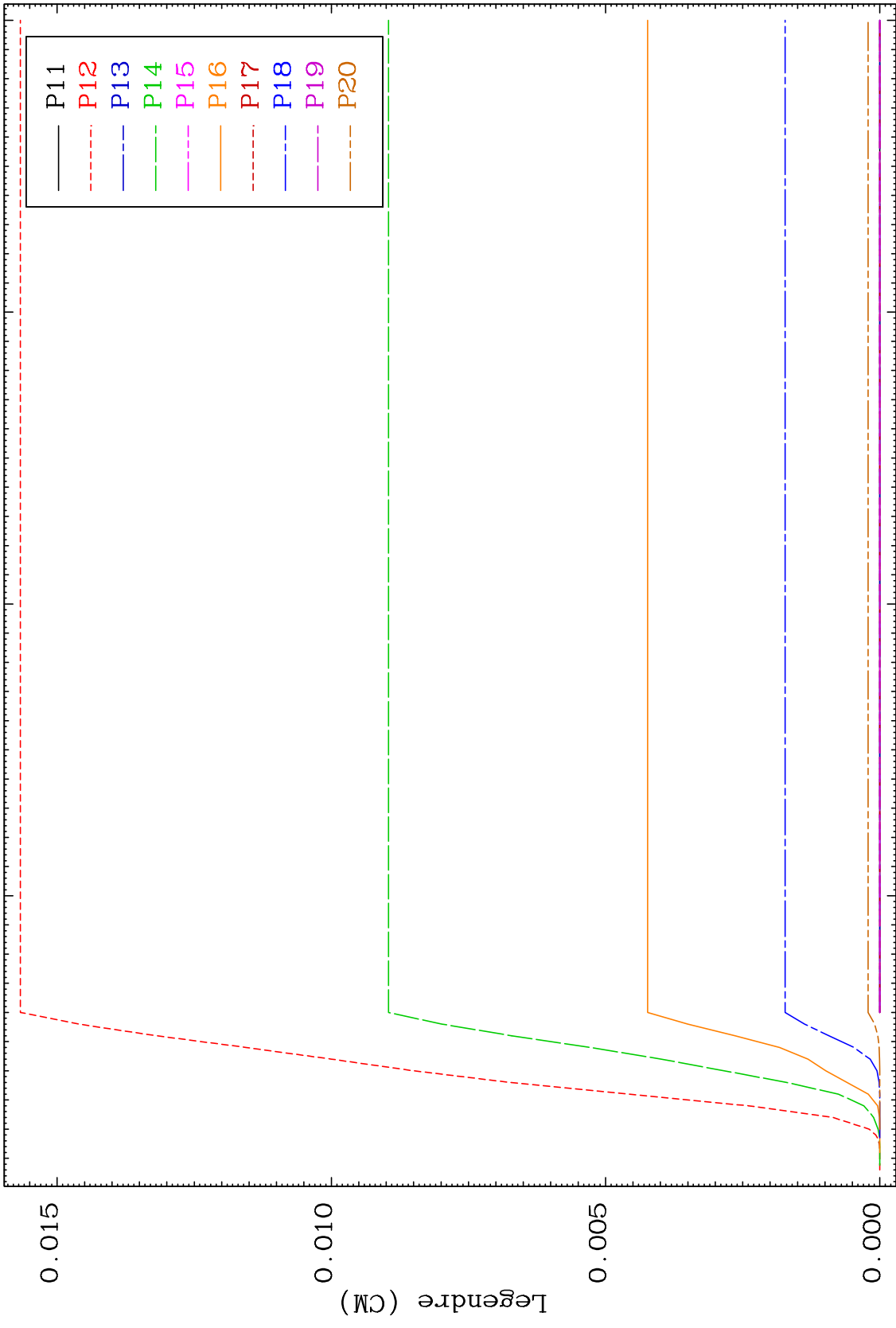
60-Nd-144

MAT 6031 MT= 57 (n,n') Level Legendre Coefficients 60-Nd-144



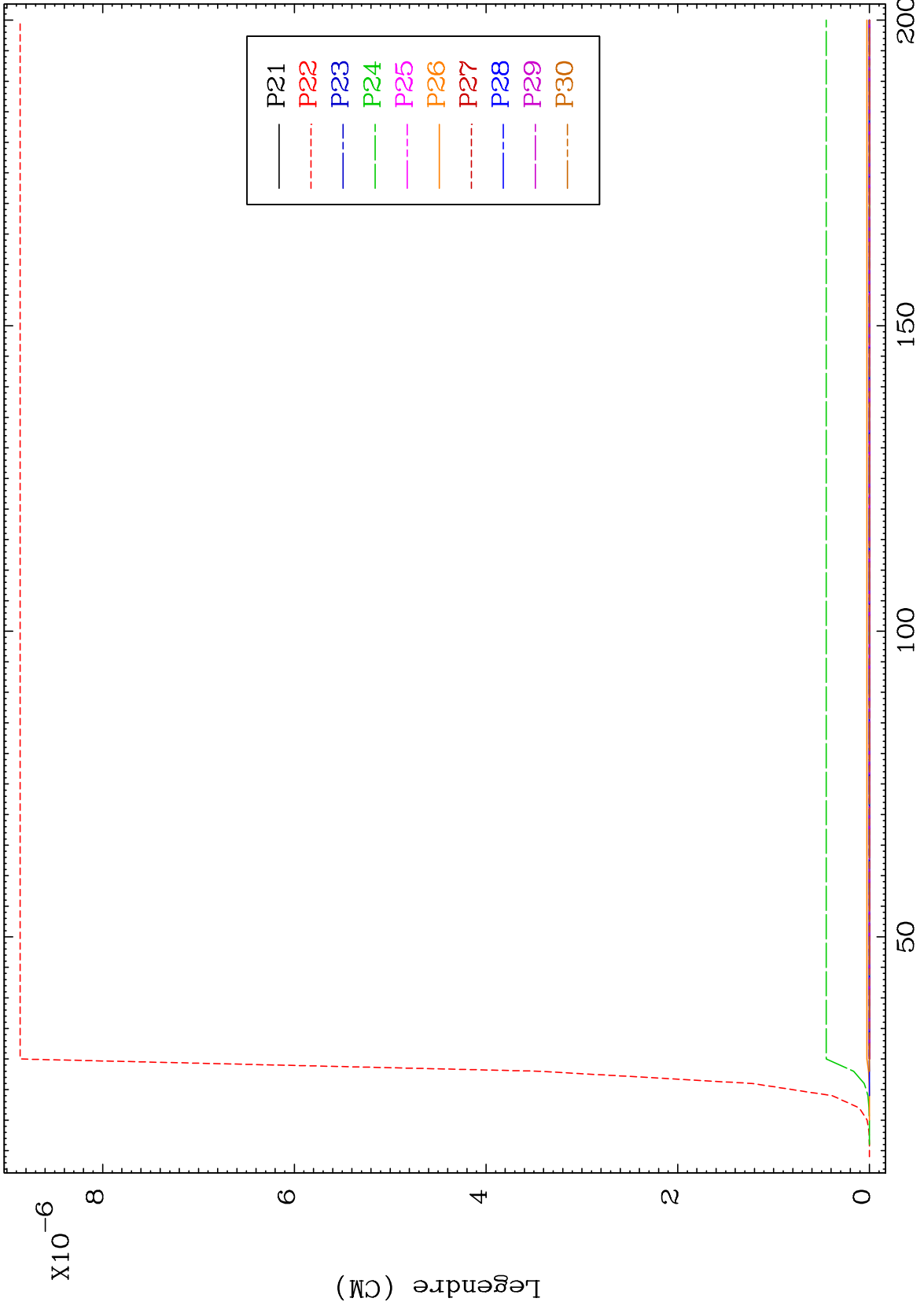
44 60-Nd-144

MAT 6031 MT= 57 (n,n') Level Legendre Coefficients 60-Nd-144



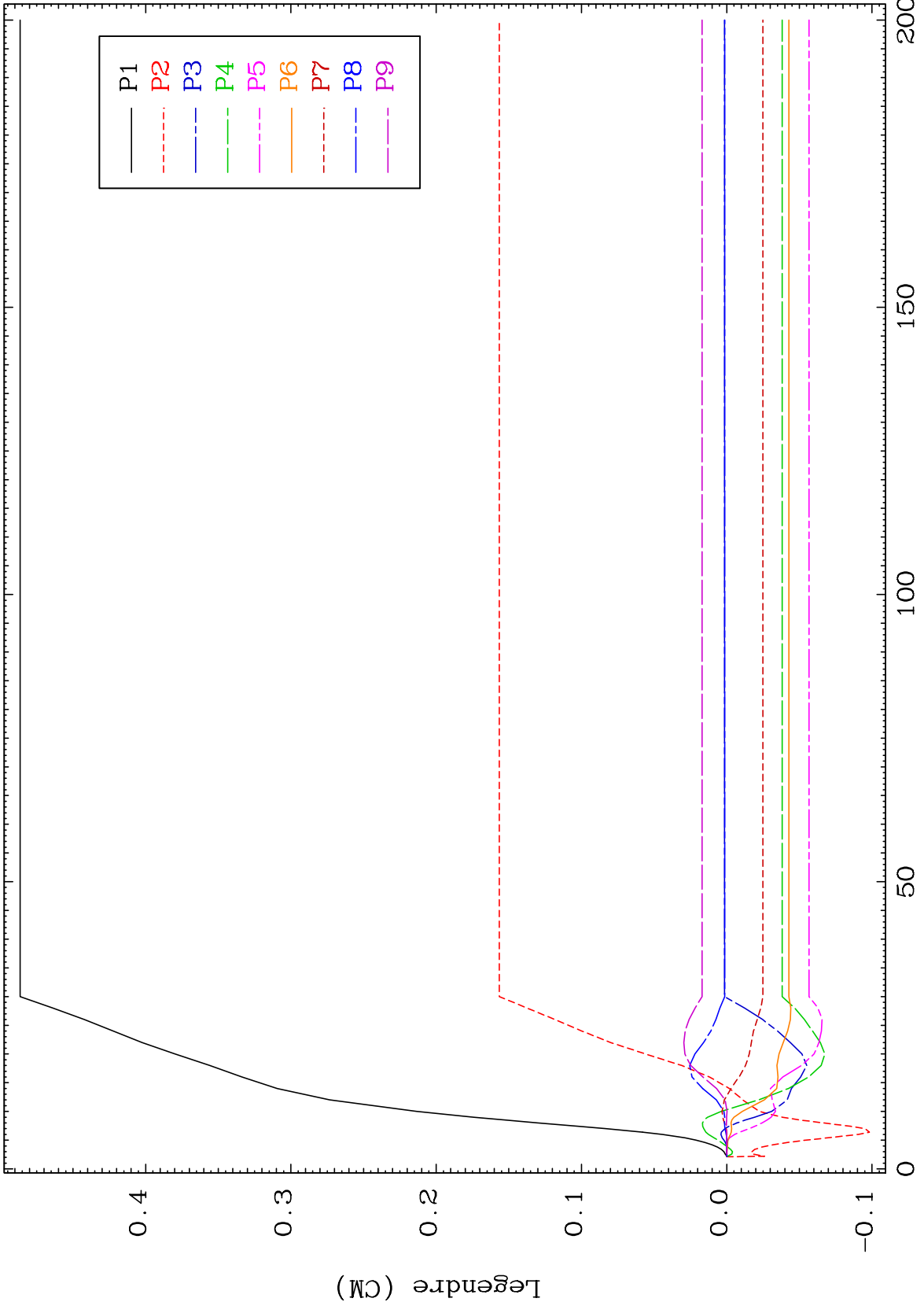
45 Incident Energy (MeV) 60-Nd-144

MAT 6031 MT= 57 (n,n') Level Legendre Coefficients 60-Nd-144



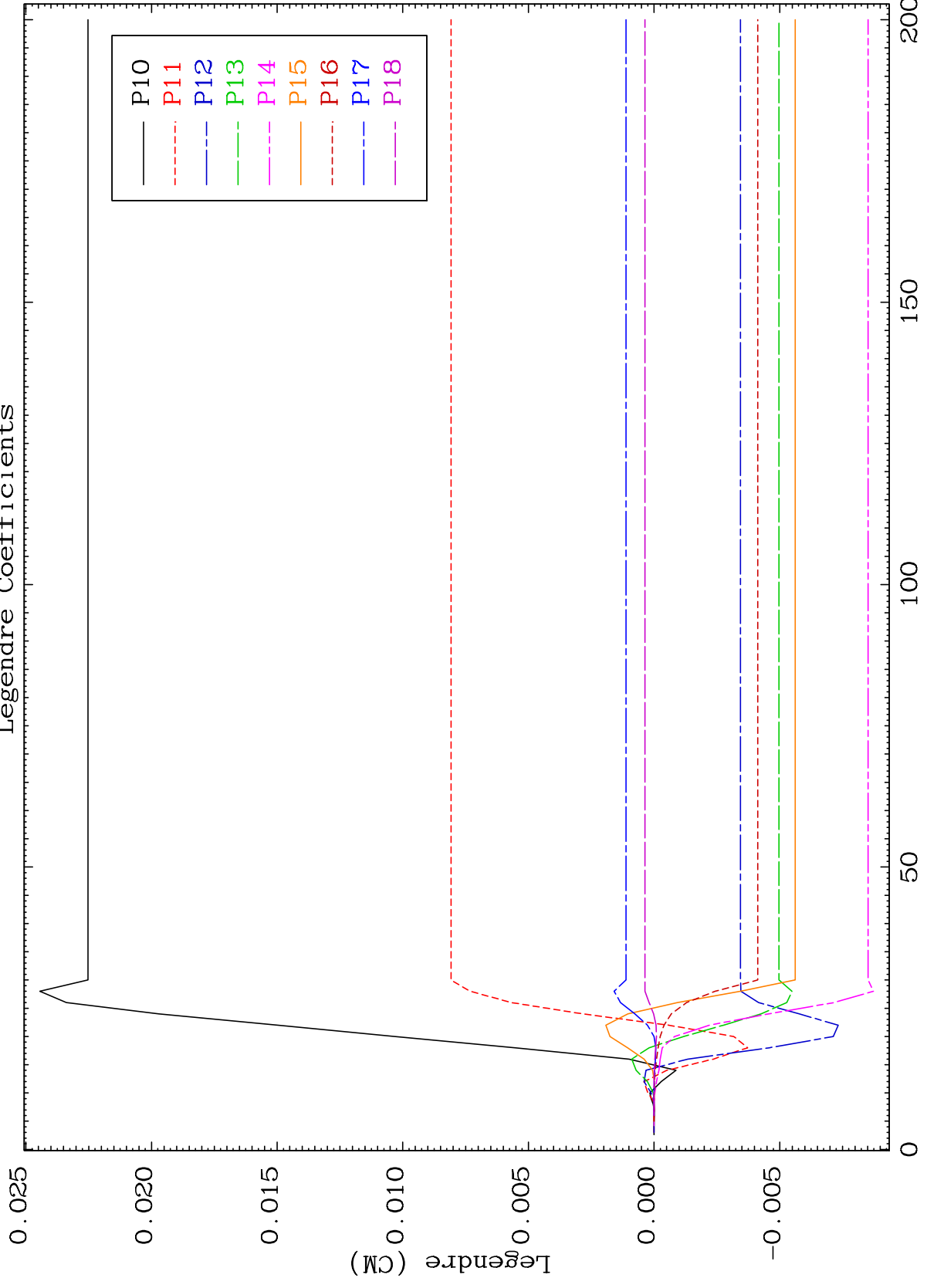
46 50 100 150 200 60-Nd-144

MAT 6031 MT= 58 (n,n') Level Legendre Coefficients 60-Nd-144



47 60-Nd-144

MAT 6031 MT= 58 (n,n') Level Legendre Coefficients 60-Nd-144

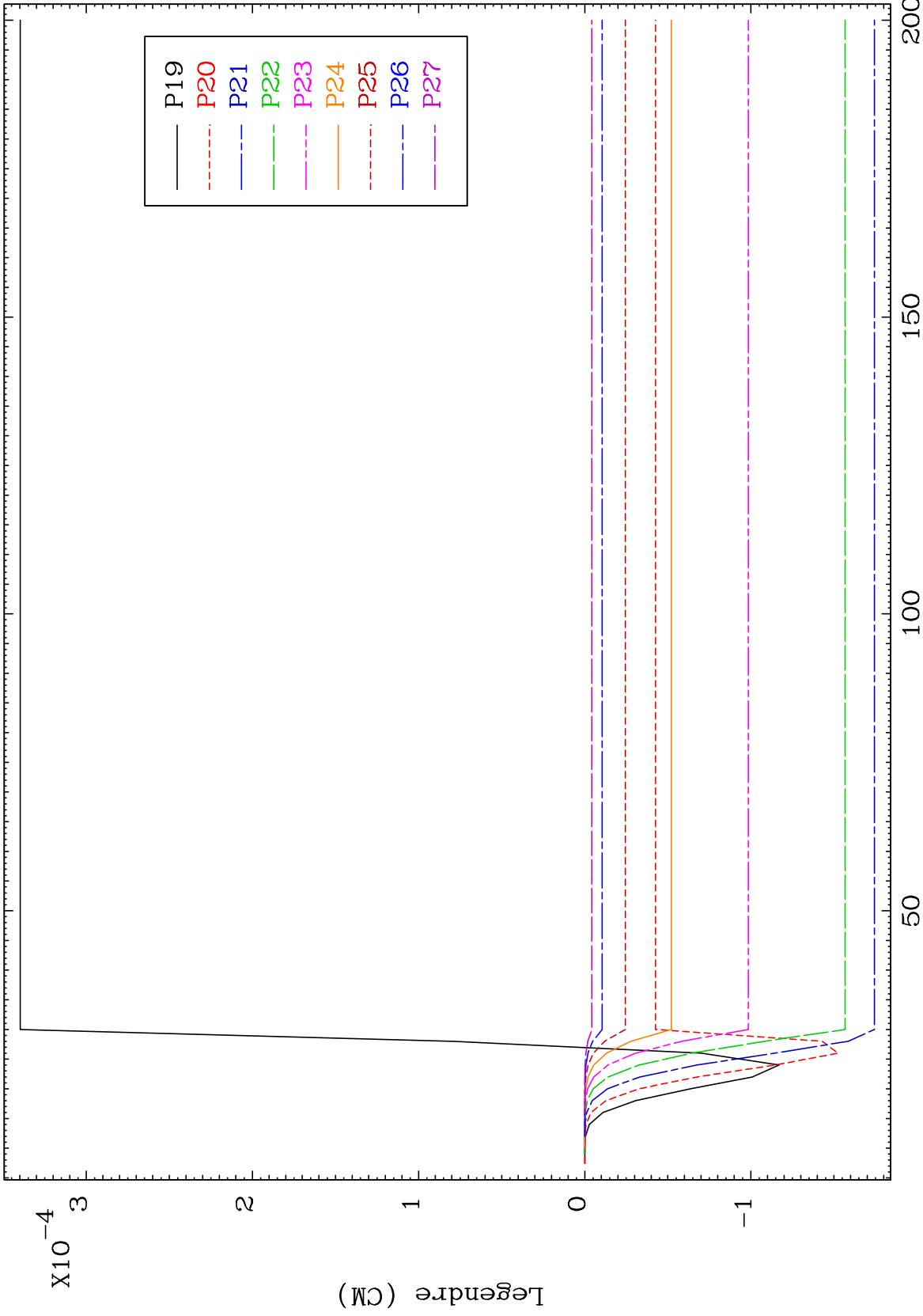


48 60-Nd-144

MAT 6031

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

60-Nd-144



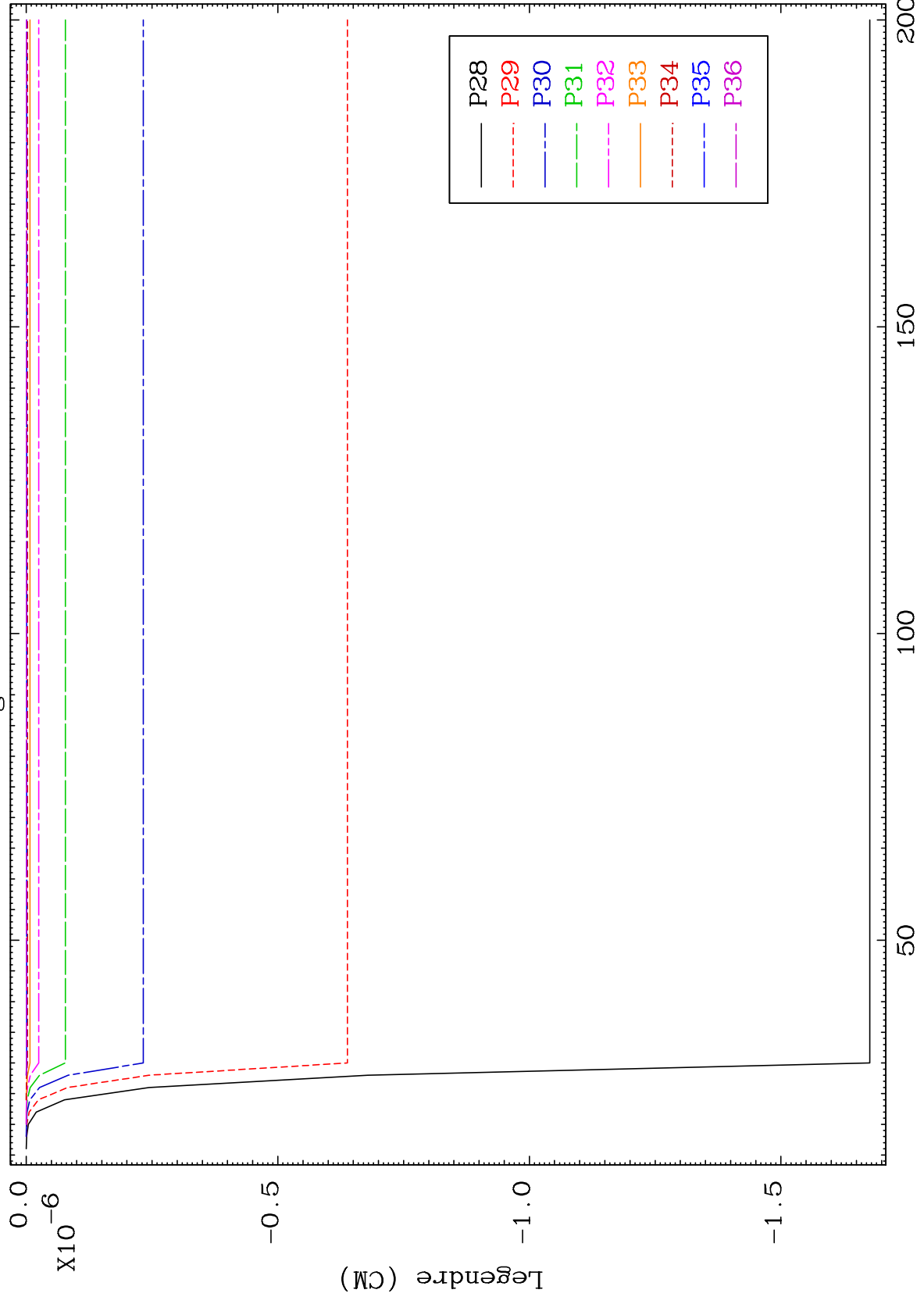
49

60-Nd-144

MAT 6031

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

60-Nd-144

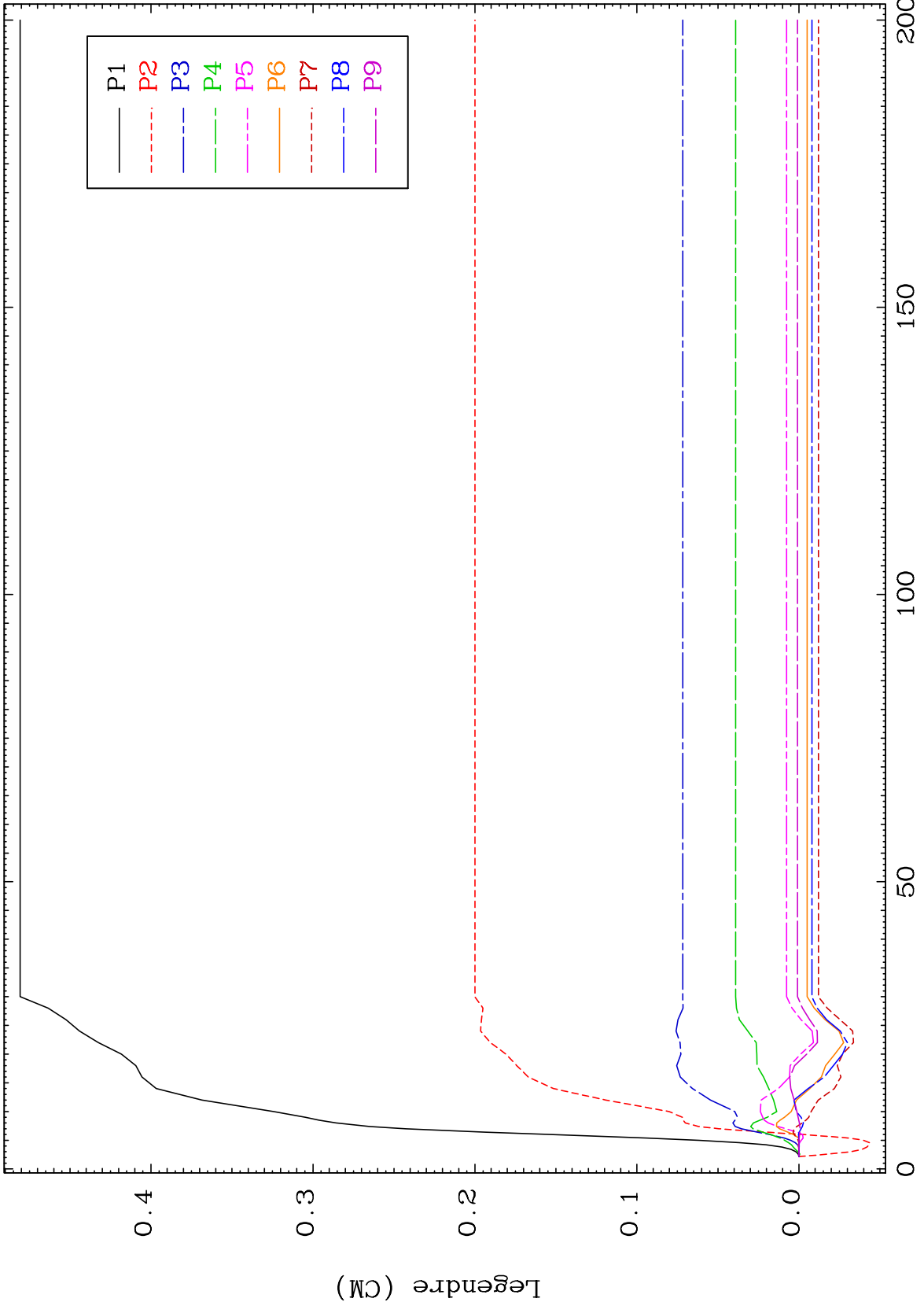


60-Nd-144

Incident Energy (MeV)

50

MAT 6031 MT= 59 (n,n') Level Legendre Coefficients 60-Nd-144

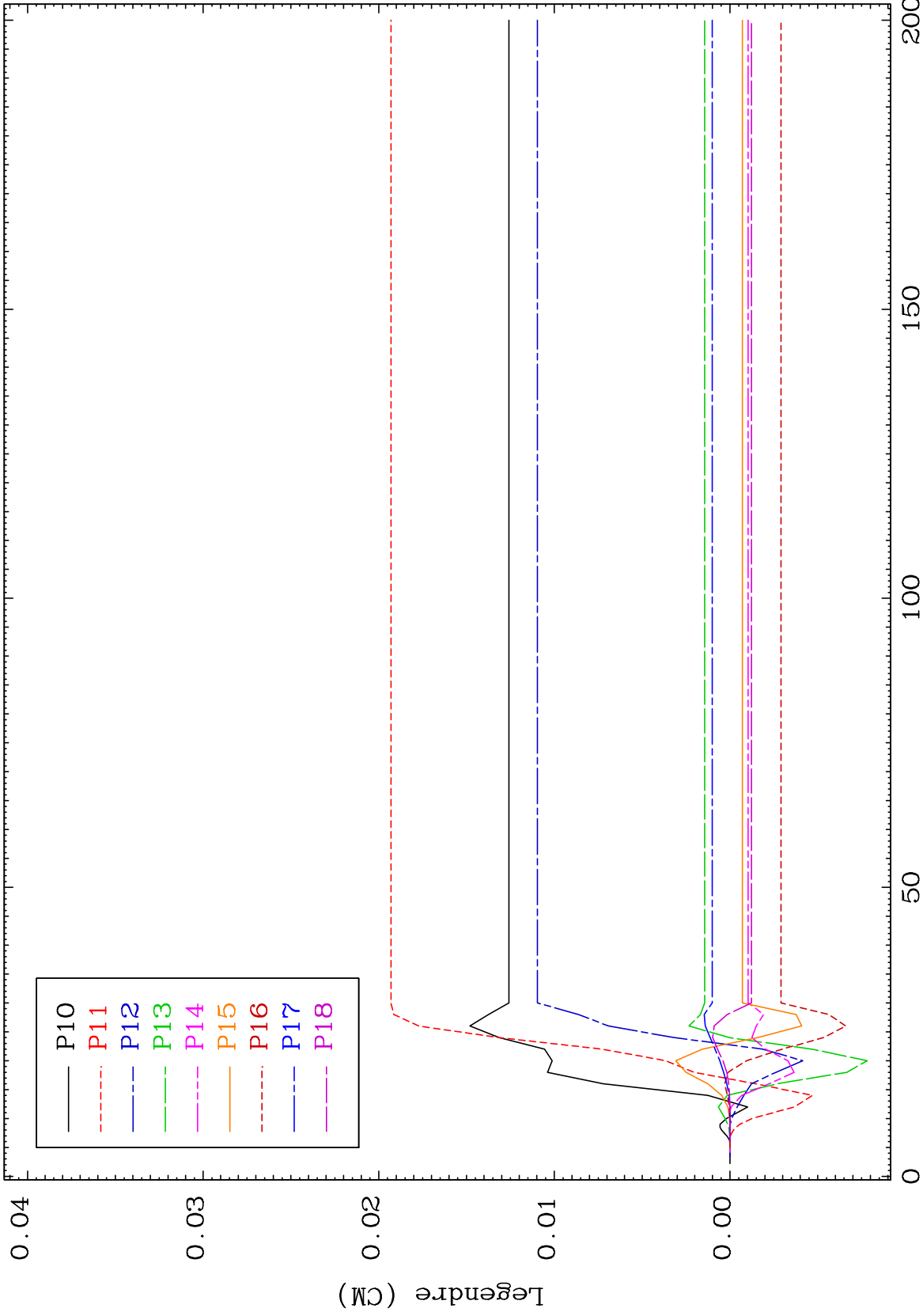


51 Incident Energy (MeV) 60-Nd-144

MAT 6031

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

60-Nd-144



52

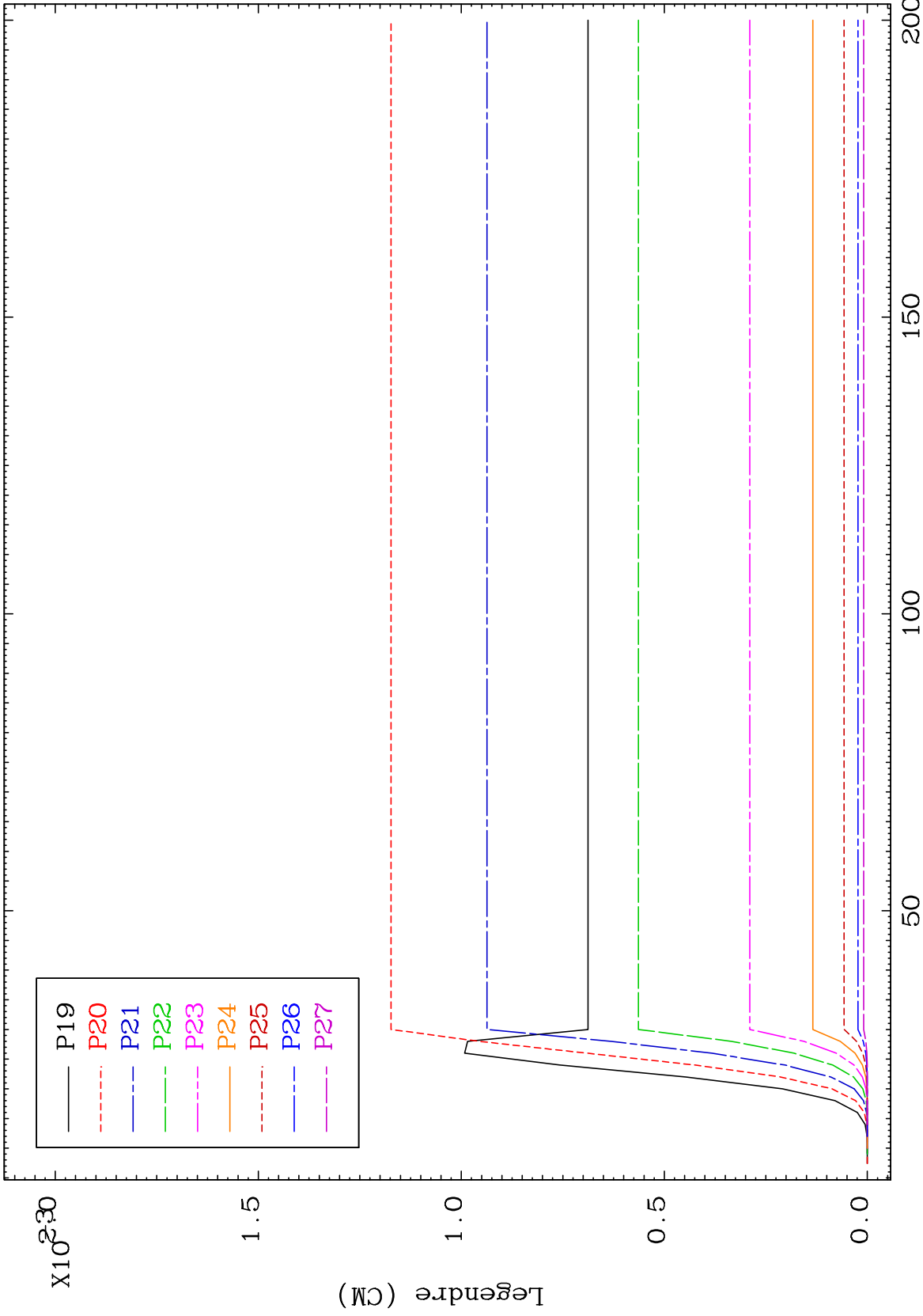
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



53

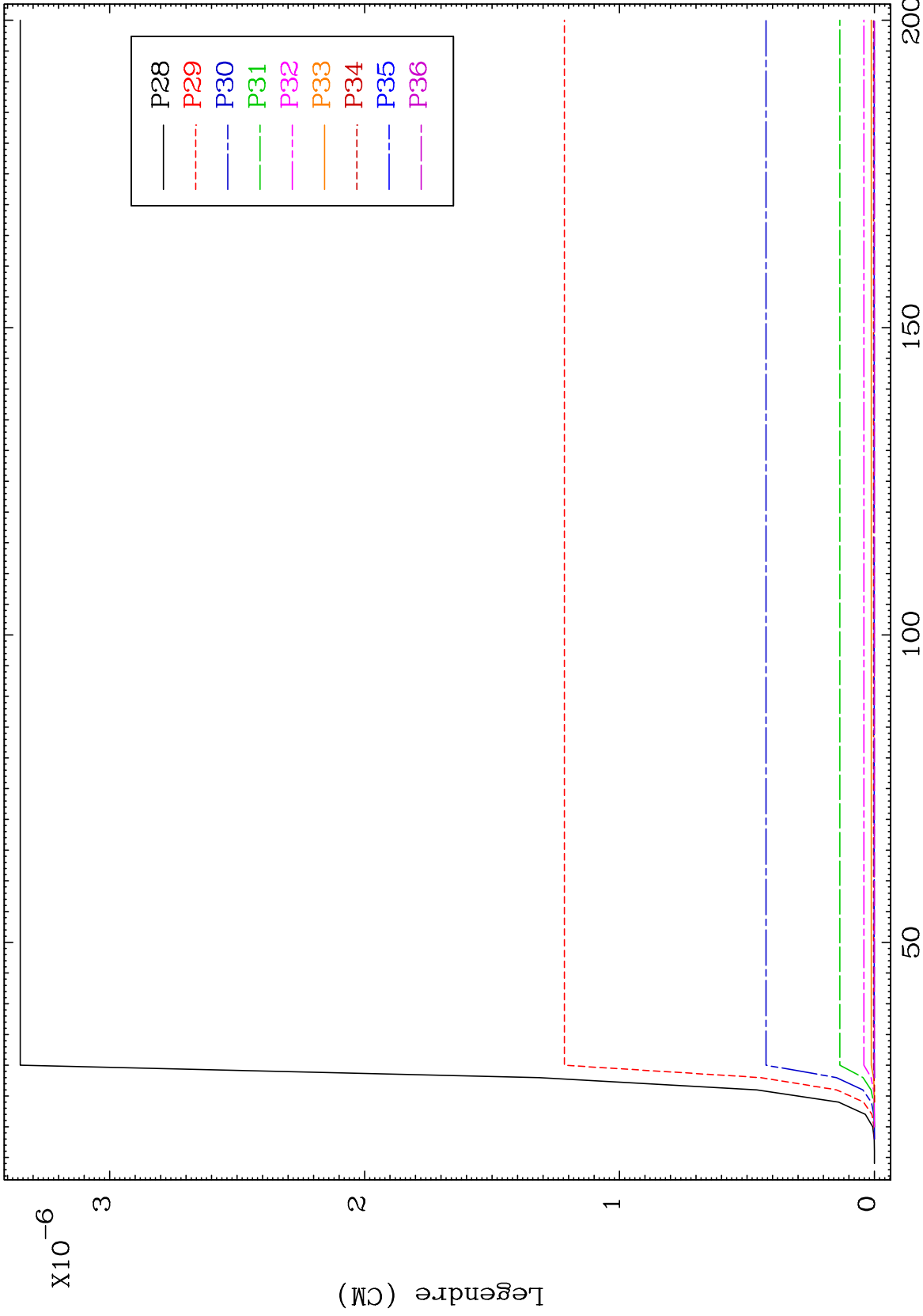
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144

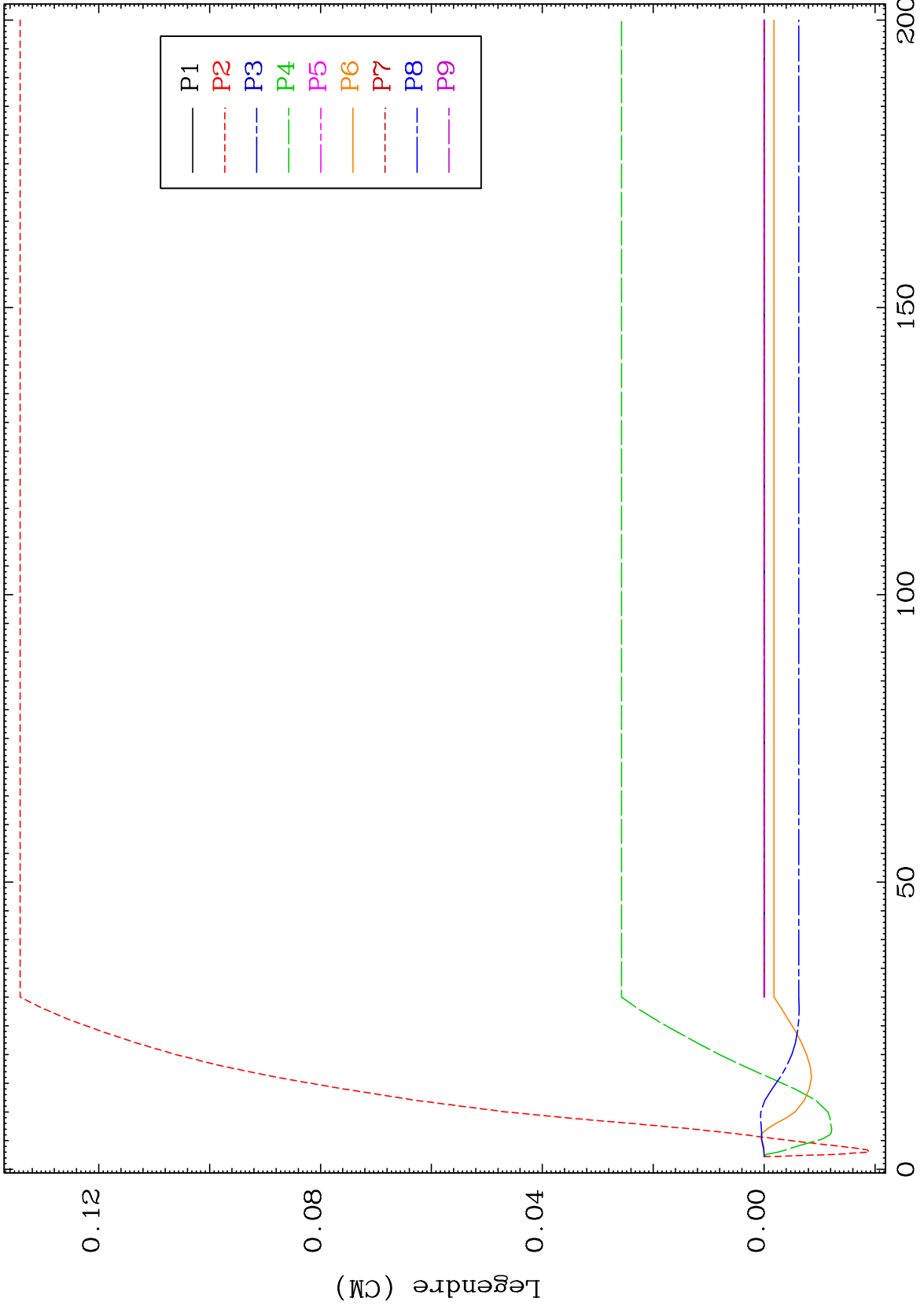


54

Incident Energy (MeV)

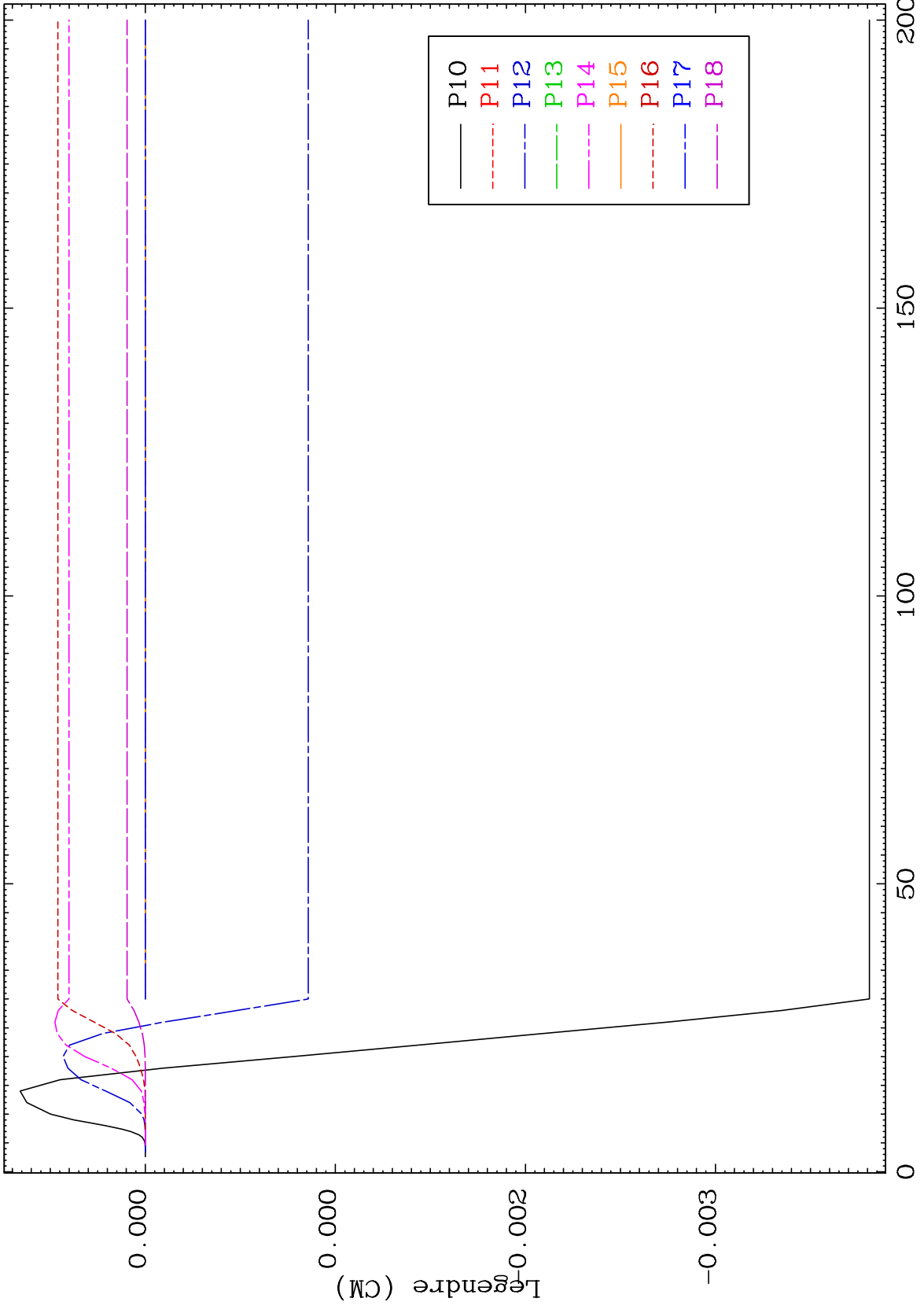
60-Nd-144

MAT 6031 MT= 60 (n,n') Level Legendre Coefficients 60-Nd-144



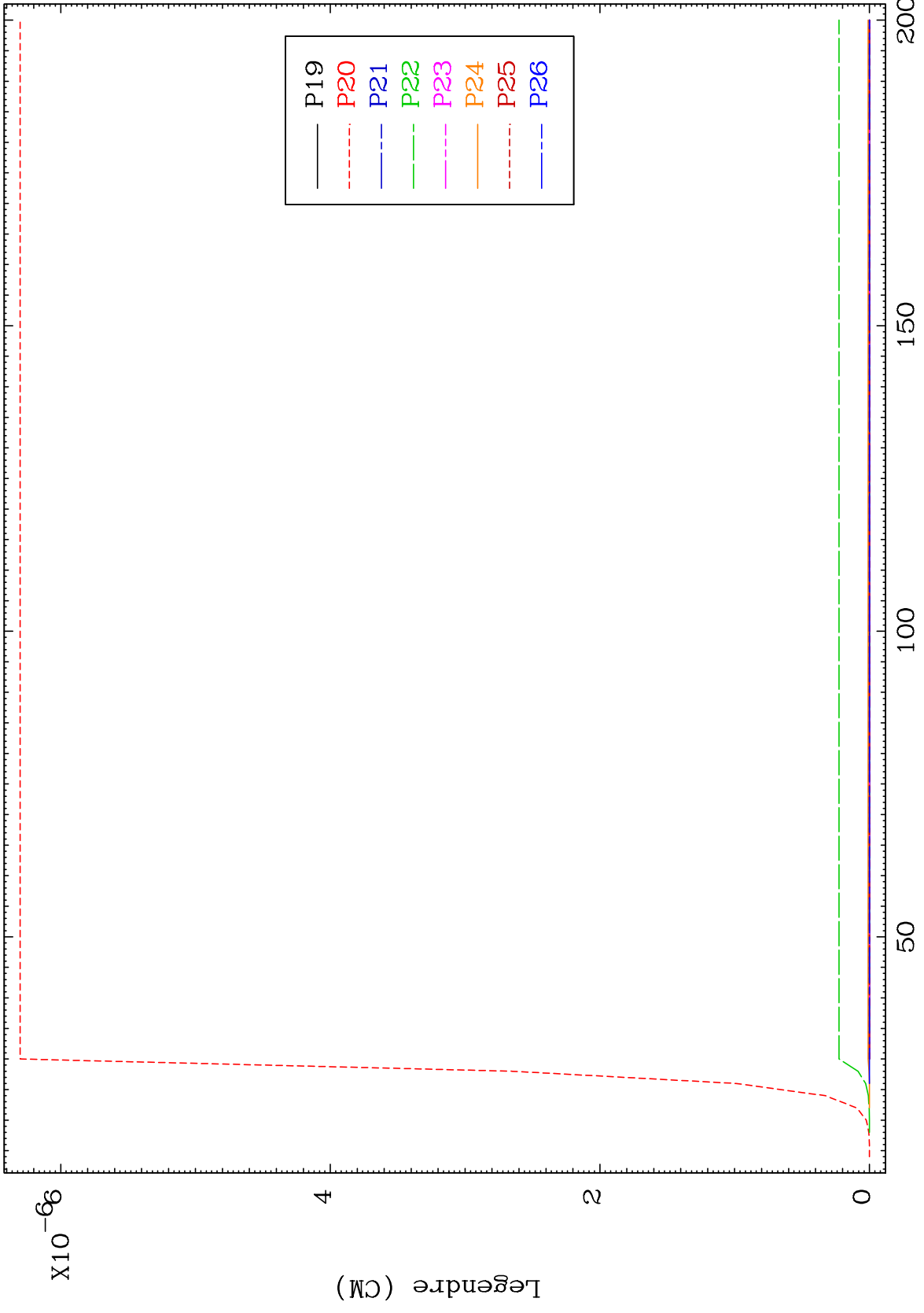
60-Nd-144

MAT 6031 MT= 60 (n,n') Level Legendre Coefficients 60-Nd-144



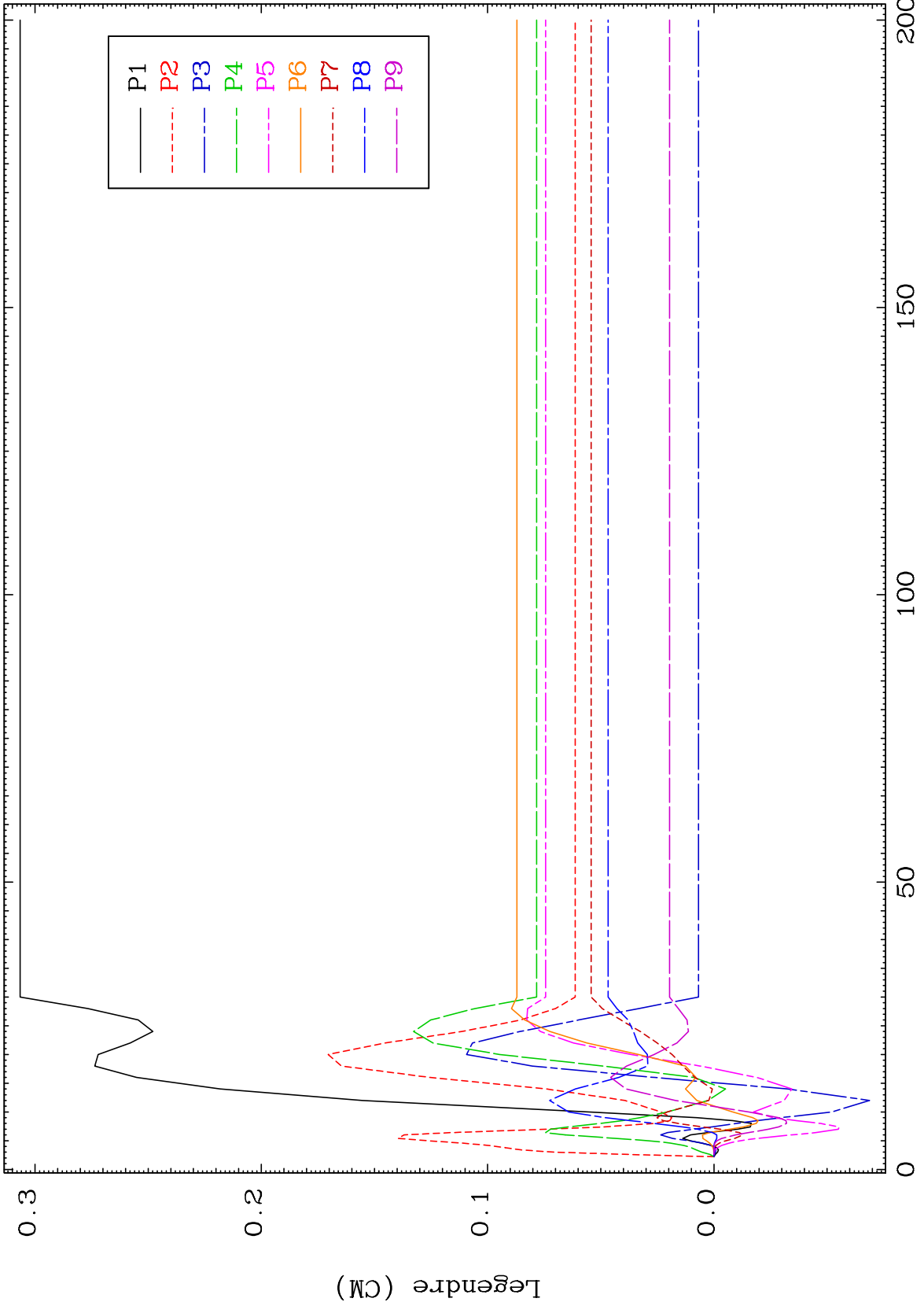
56 60-Nd-144

MAT 6031 MT= 60 (n,n') Level Legendre Coefficients 60-Nd-144



57 Incident Energy (MeV) 60-Nd-144

MAT 6031 MT= 61 (n,n') Level Legendre Coefficients 60-Nd-144

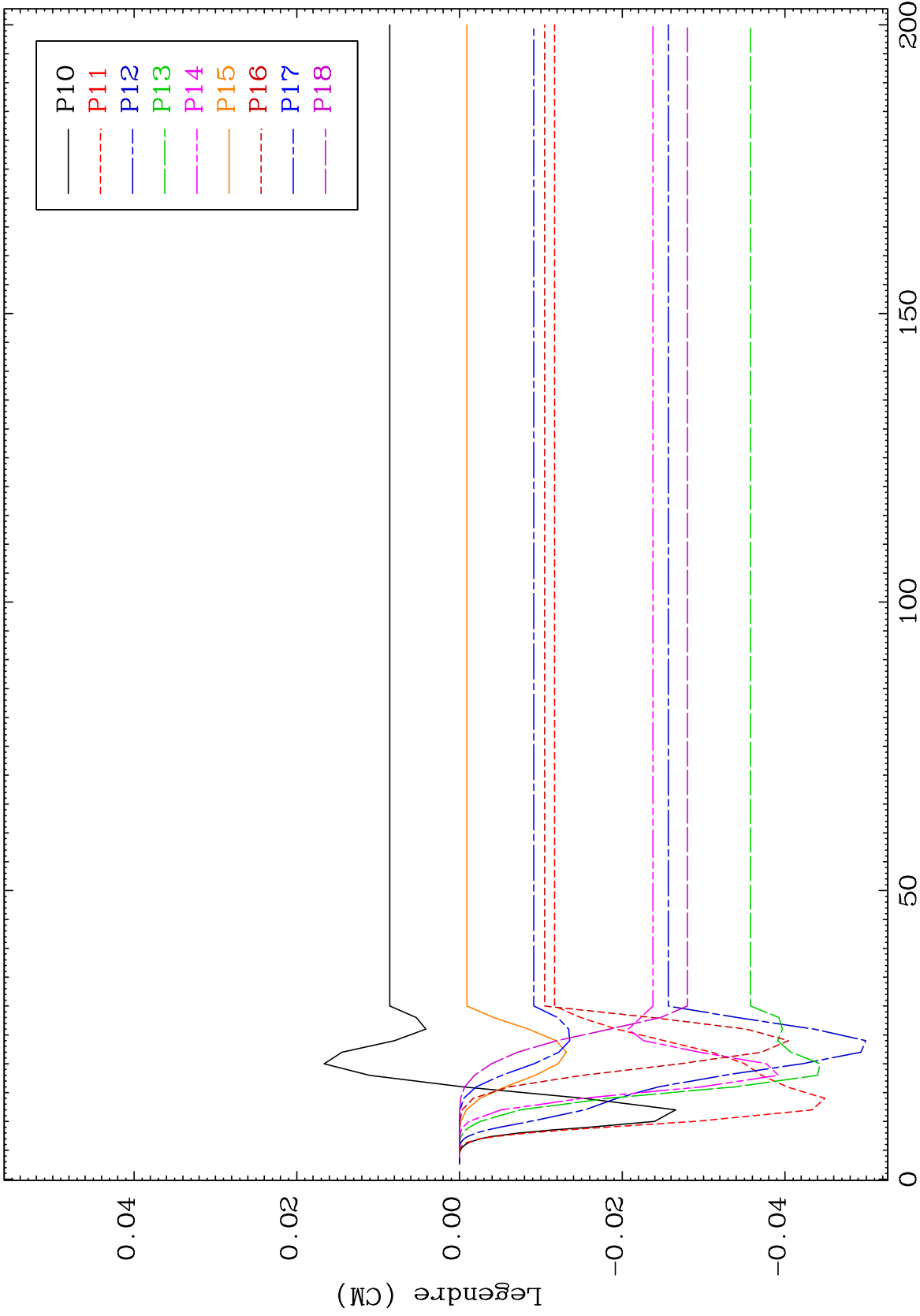


58 Incident Energy (MeV) 60-Nd-144

MAT 6031

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

60-Nd-144



59

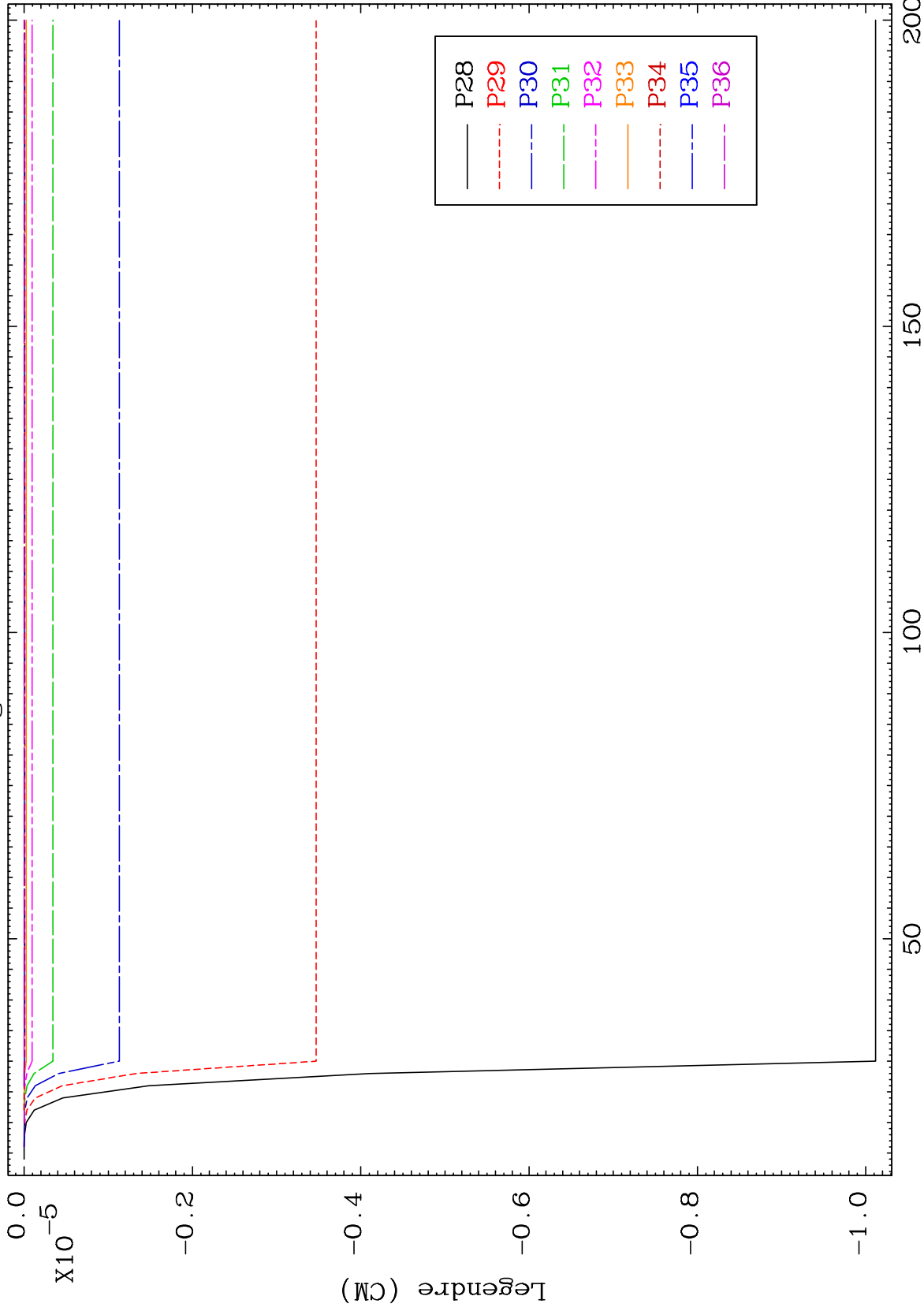
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

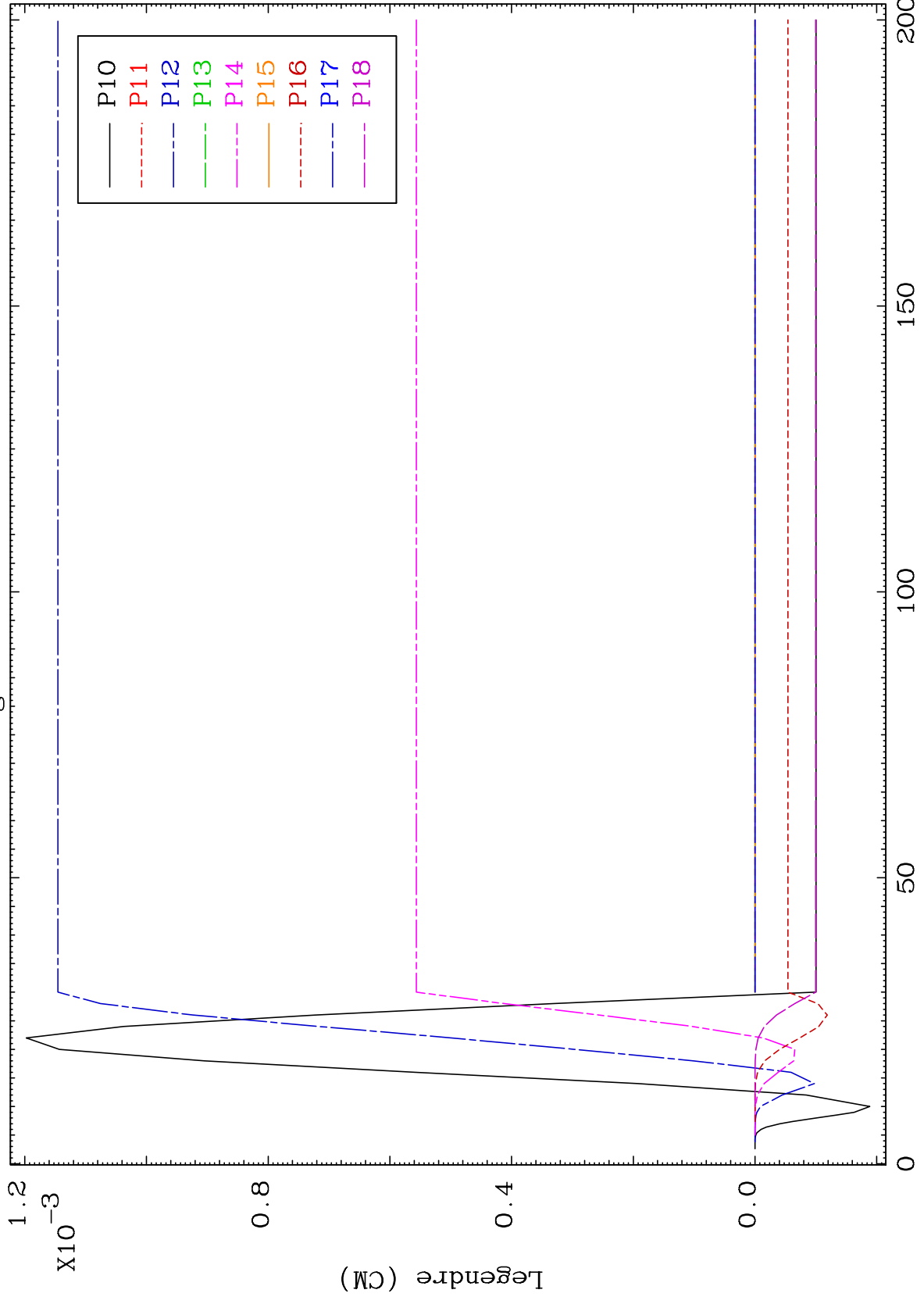
60-Nd-144



61

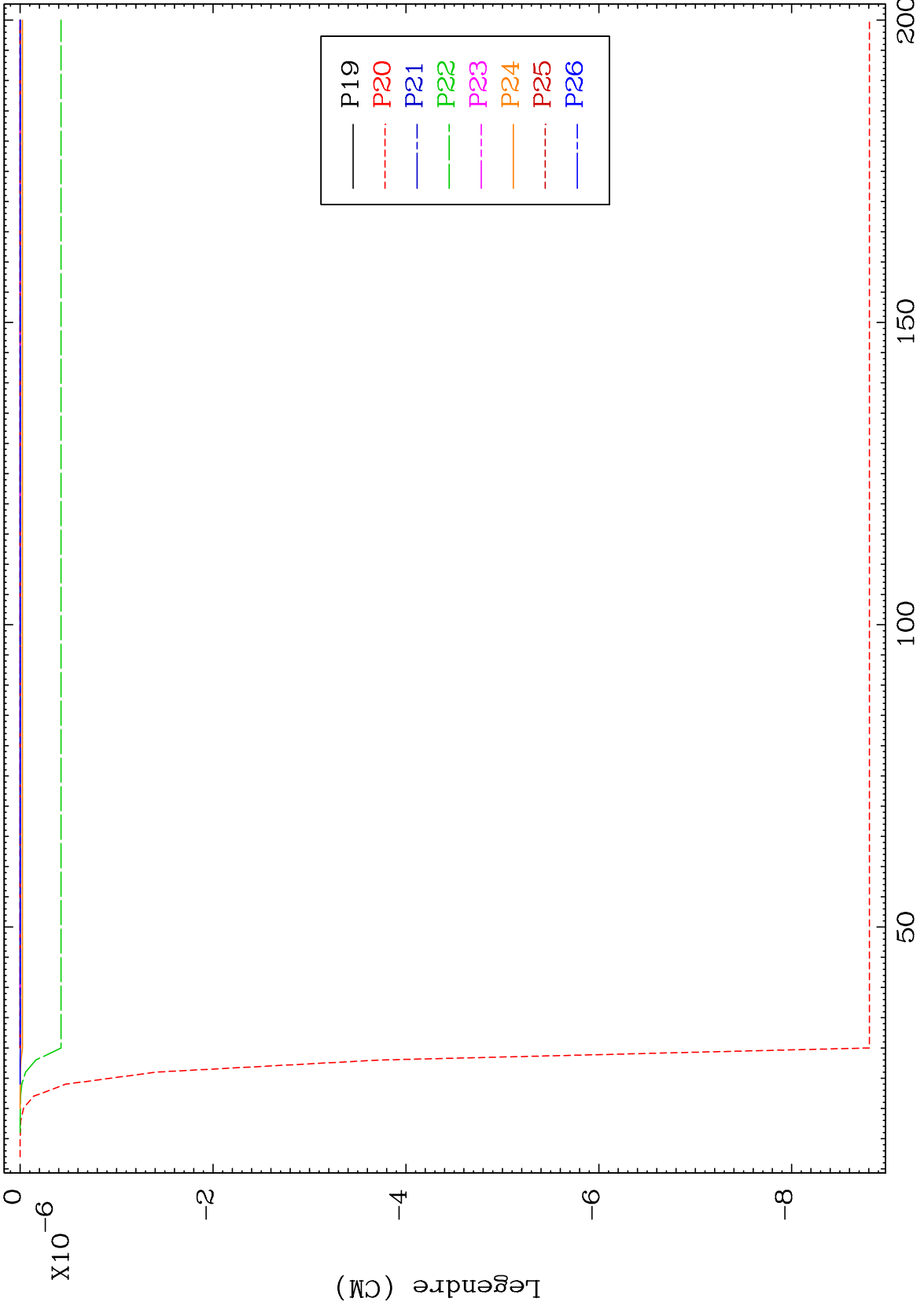
60-Nd-144

MAT 6031 MT= 62 (n,n') Level Legendre Coefficients 60-Nd-144



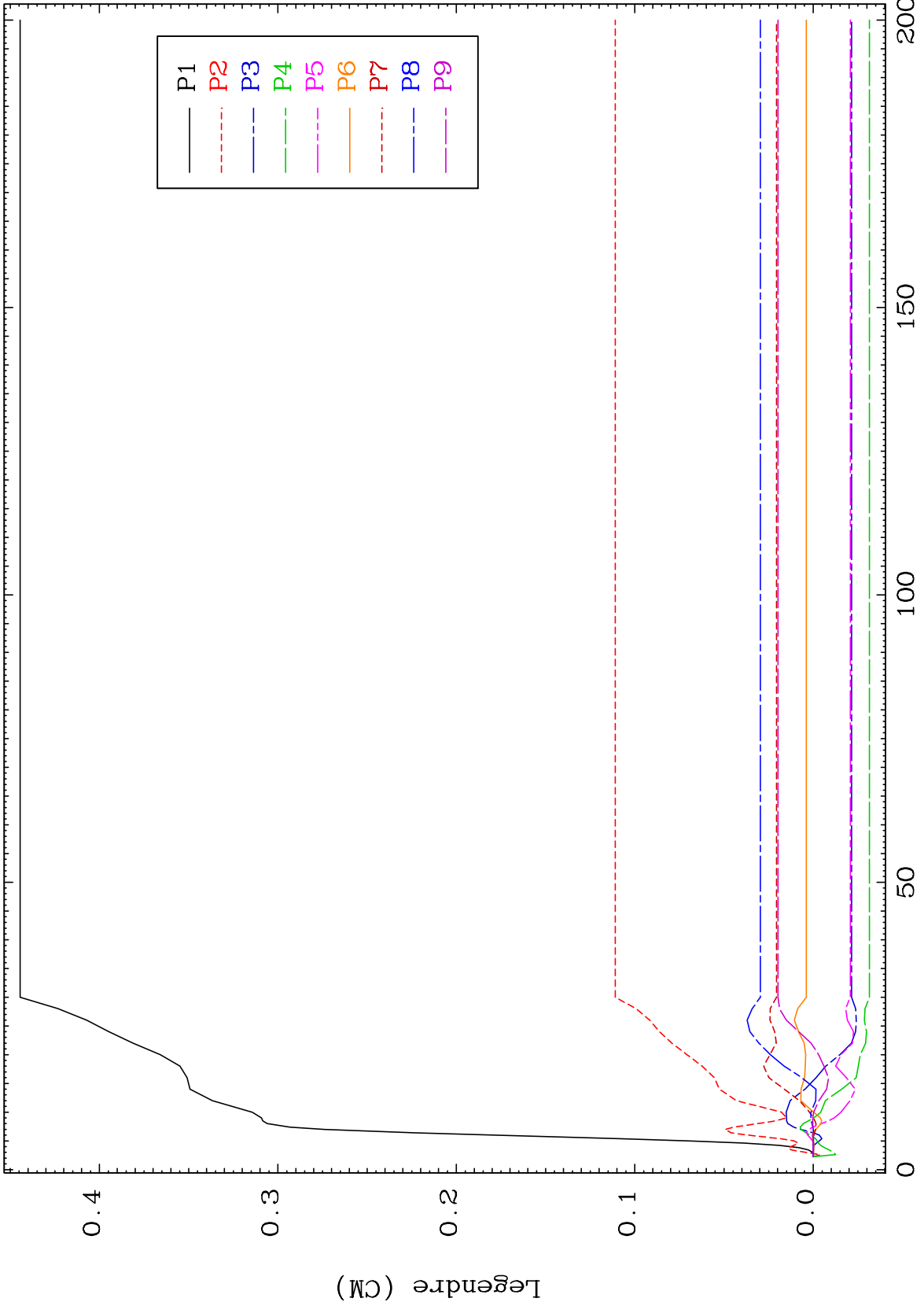
63 60-Nd-144

MAT 6031 MT= 62 (n,n') Level Legendre Coefficients 60-Nd-144



64 60-Nd-144

MAT 6031 MT= 63 (n,n') Level Legendre Coefficients 60-Nd-144

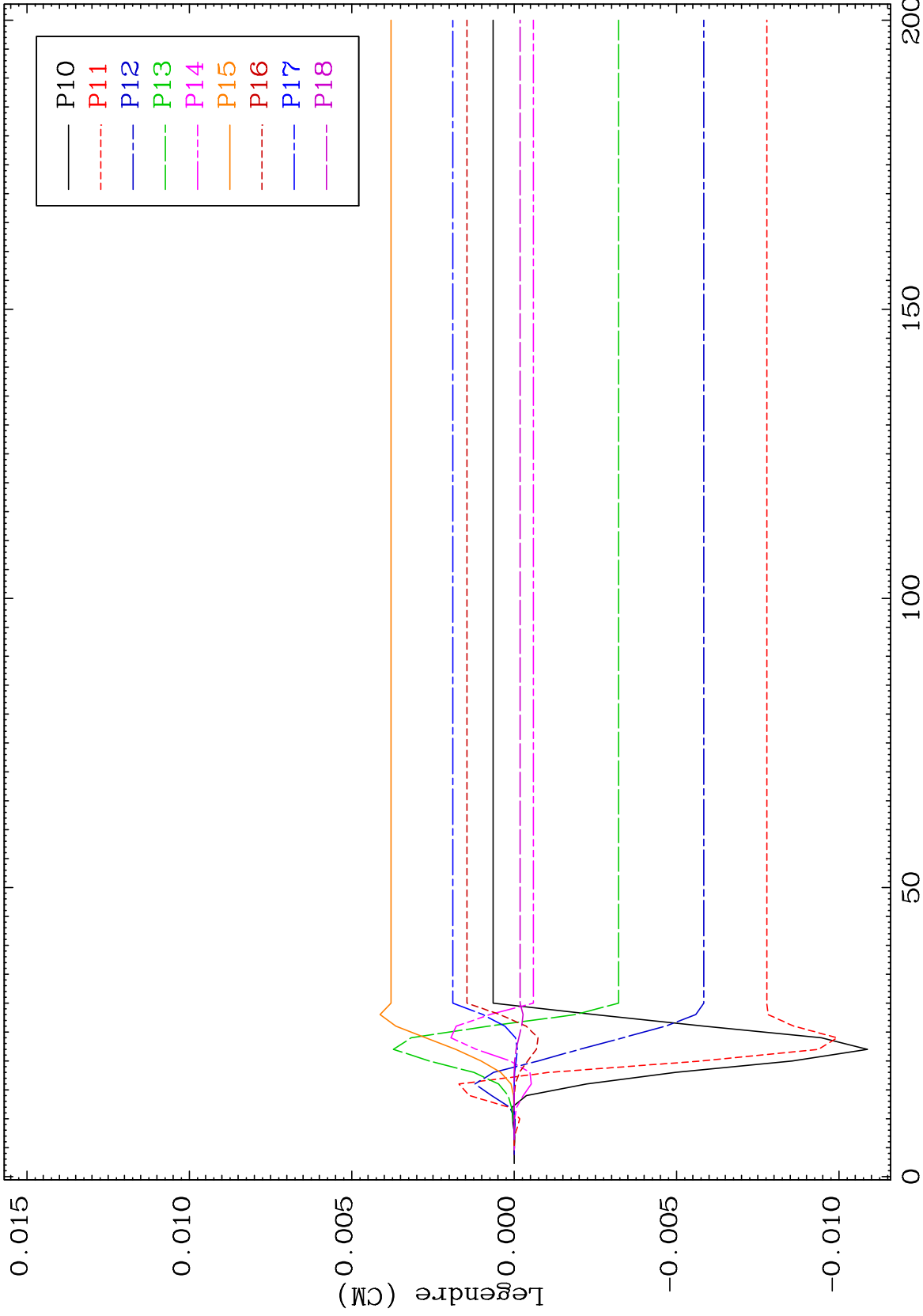


65 60-Nd-144

MAT 6031

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

60-Nd-144

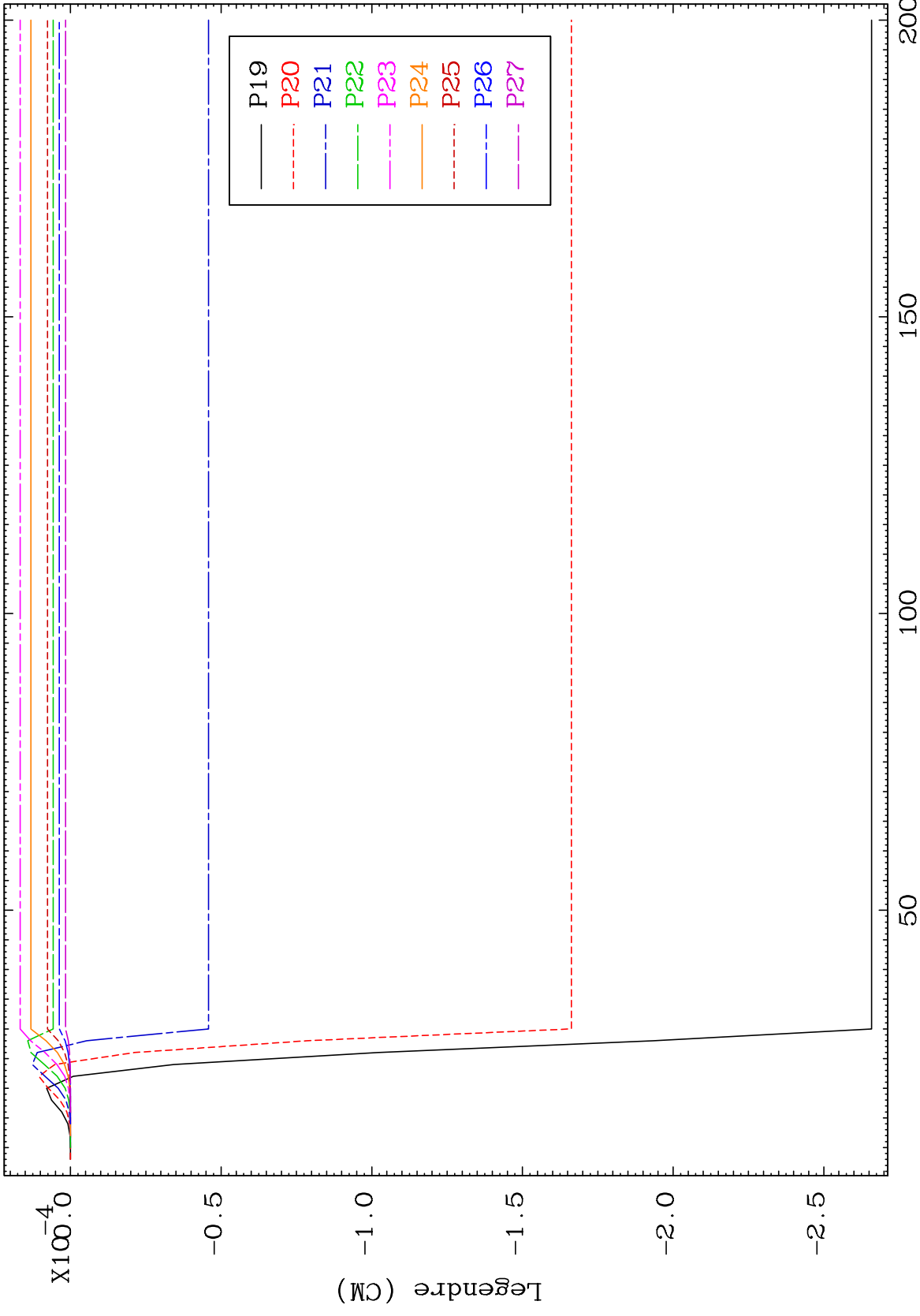


66

Incident Energy (MeV)

60-Nd-144

MAT 6031 MT= 63 (n,n') Level Legendre Coefficients 60-Nd-144

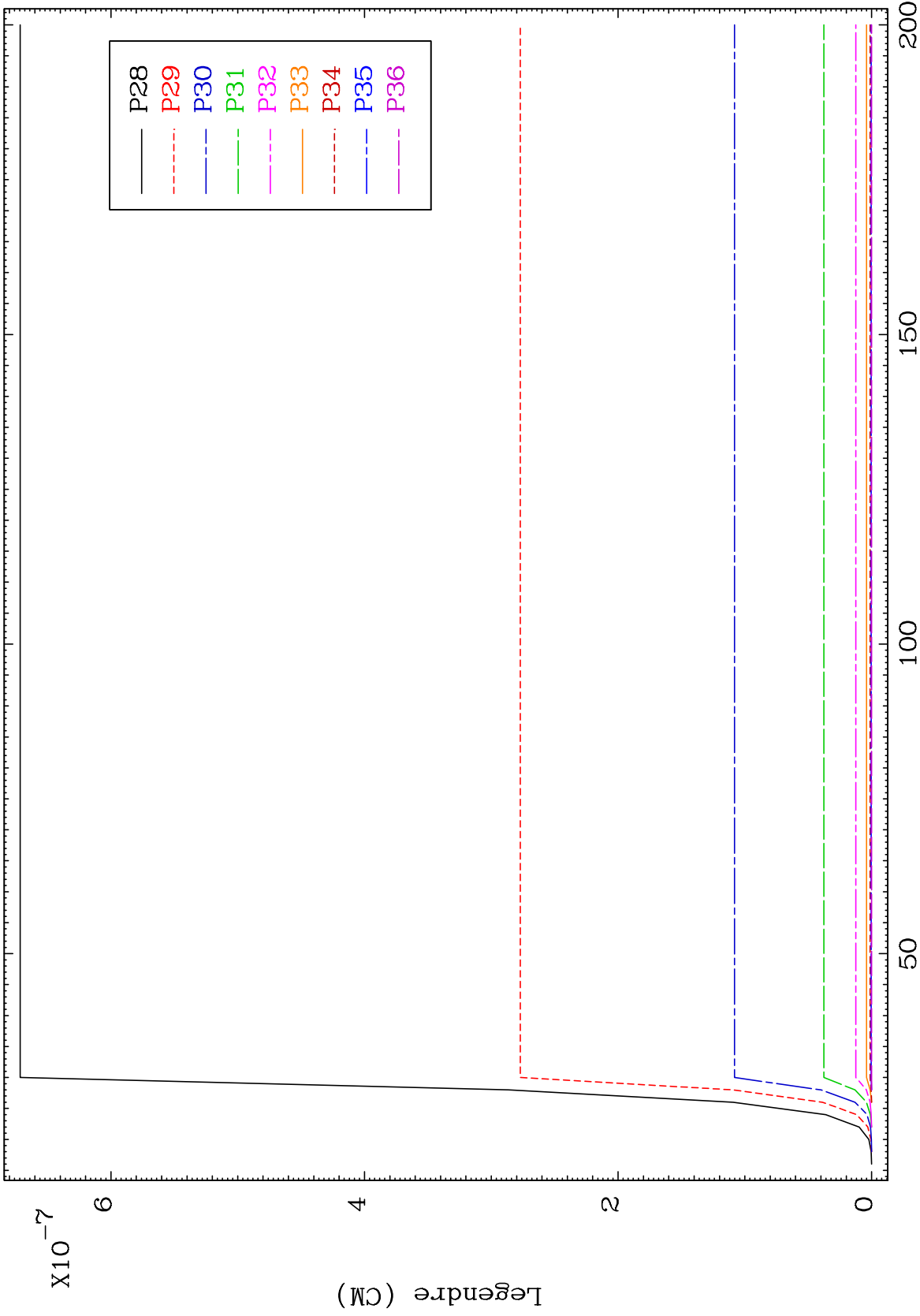


67 60-Nd-144

MAT 6031

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

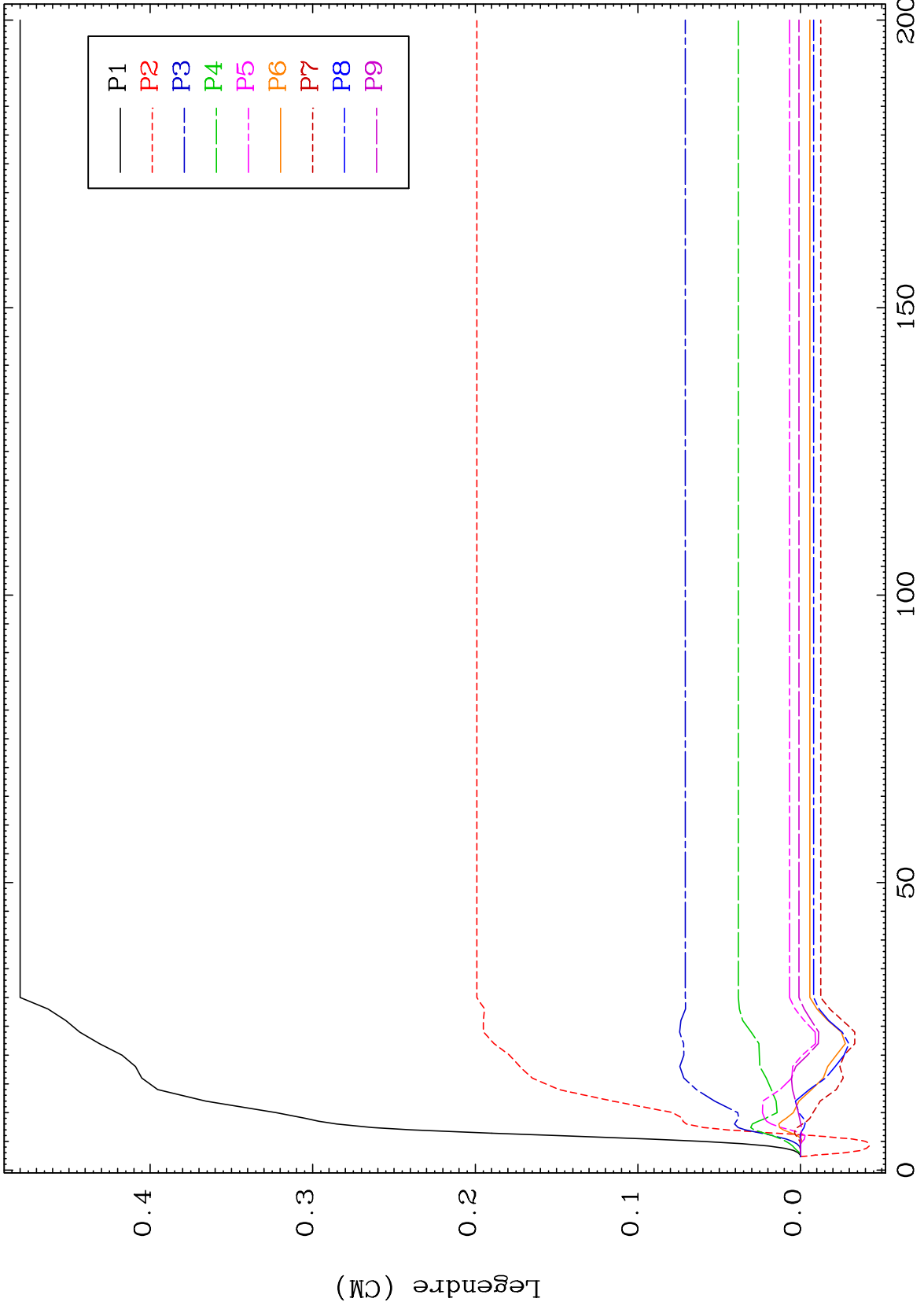
60-Nd-144



68

60-Nd-144

MAT 6031 MT= 64 (n,n') Level Legendre Coefficients 60-Nd-144

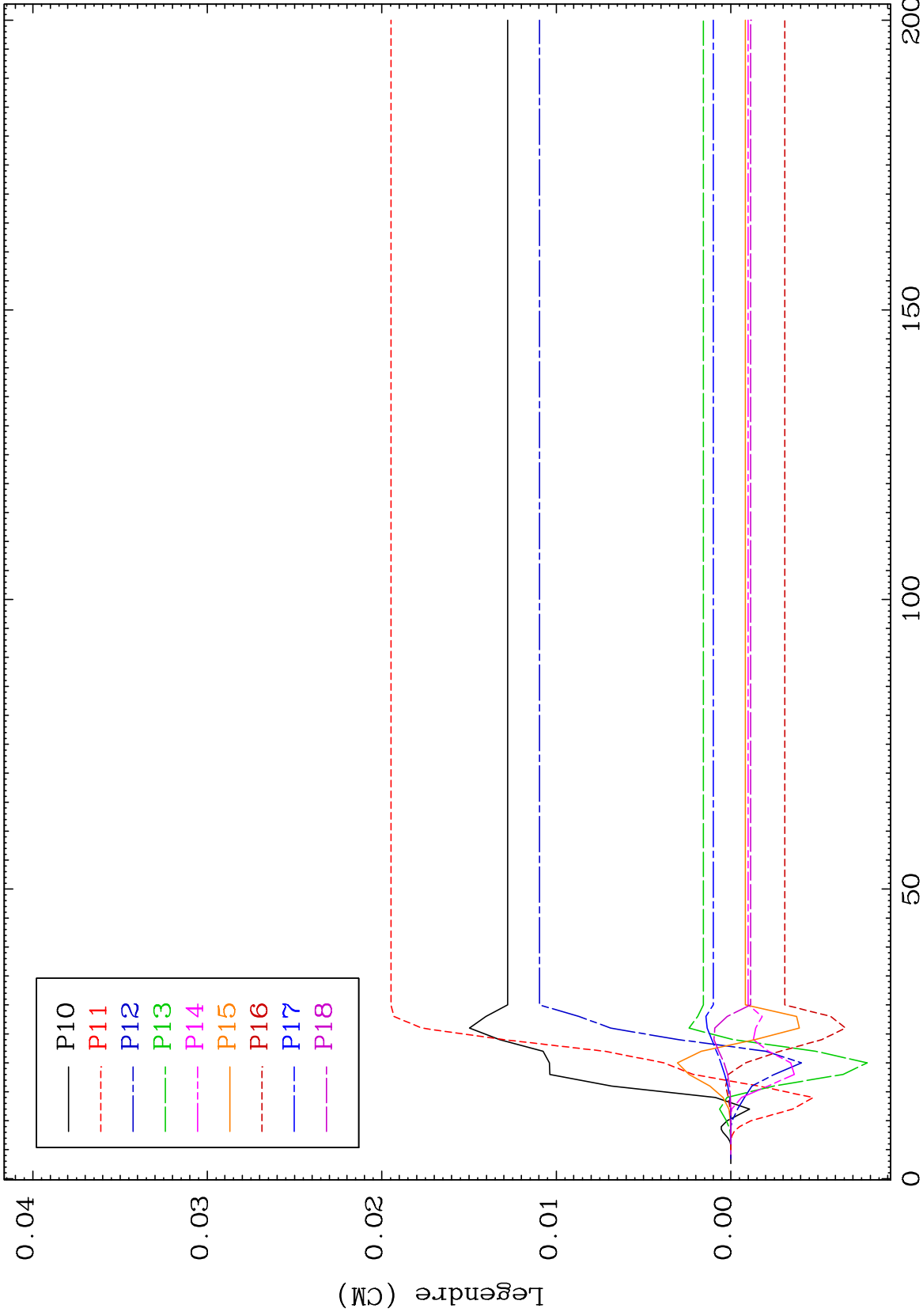


69 60-Nd-144

MAT 6031

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

60-Nd-144



70

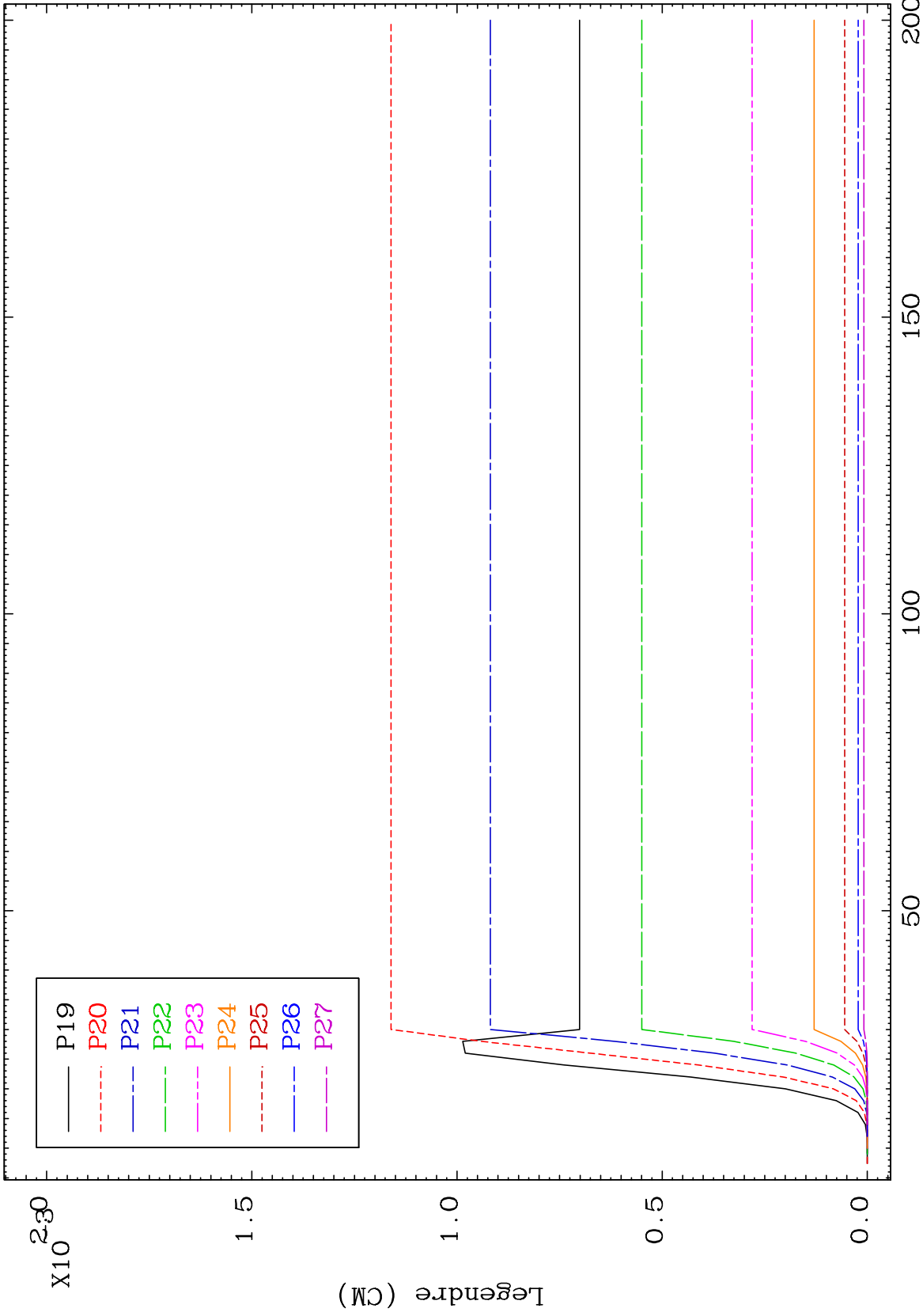
Incident Energy (MeV)

60-Nd-144

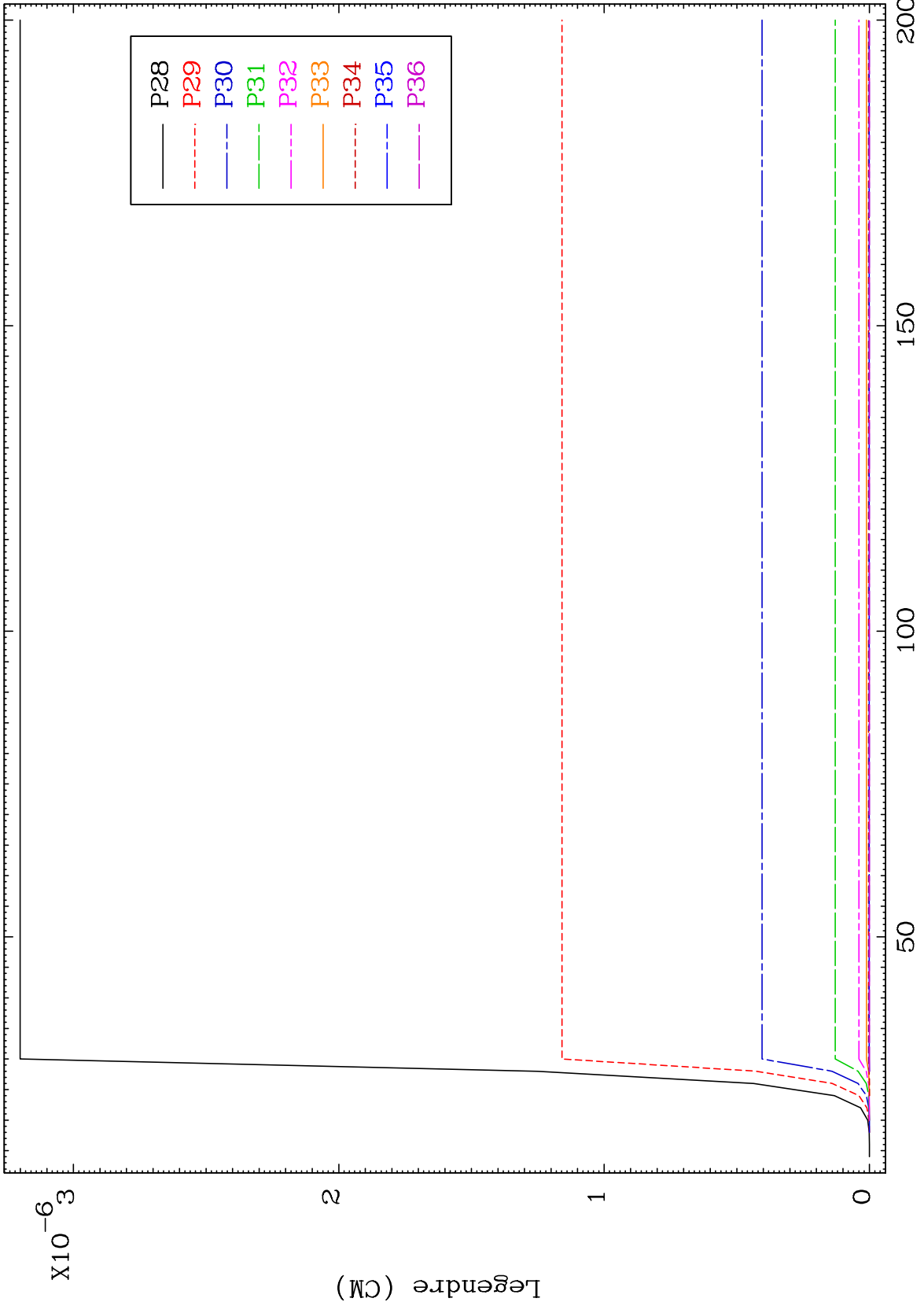
MAT 6031

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

60-Nd-144

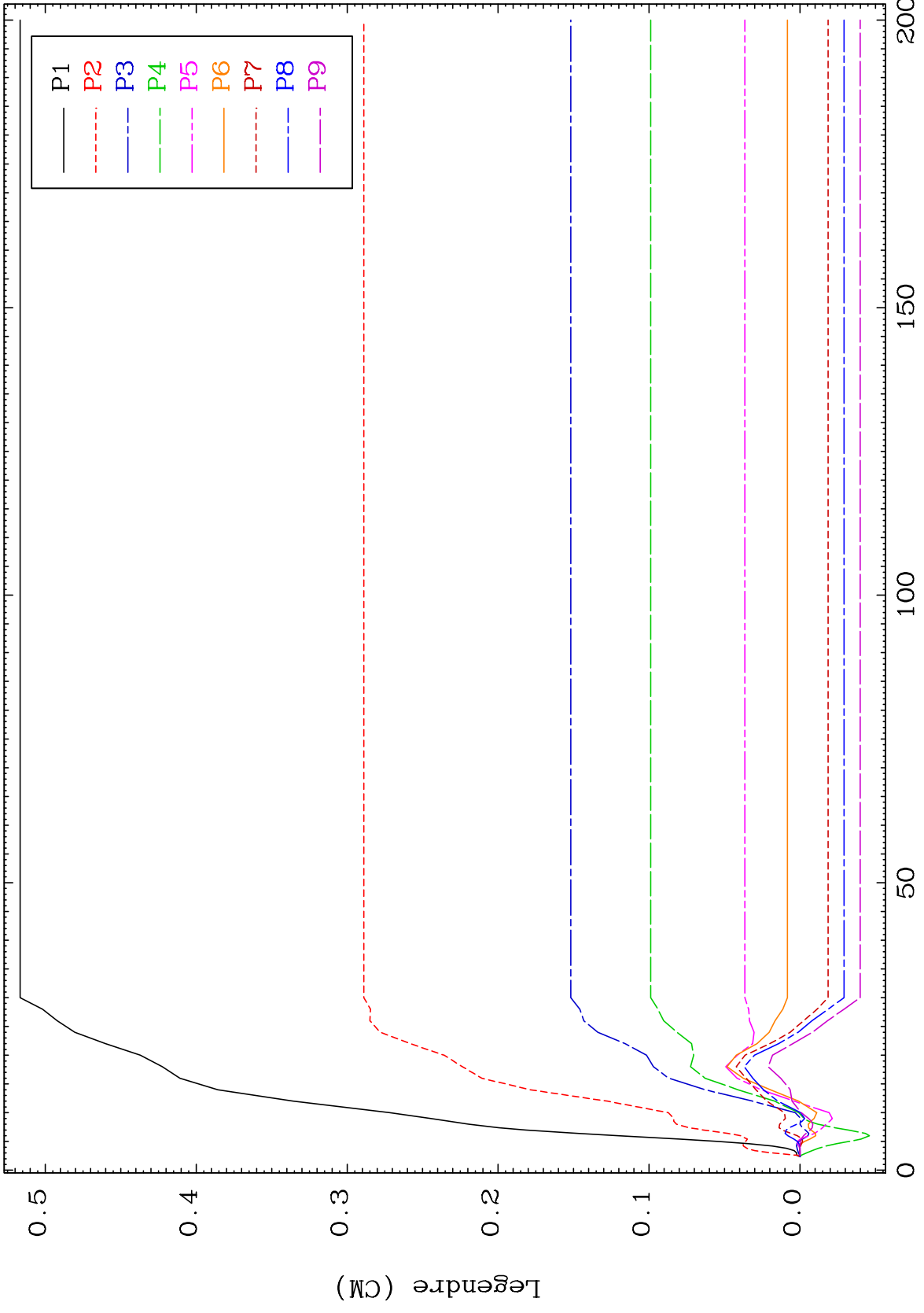


MAT 6031 MT= 64 (n,n') Level Legendre Coefficients 60-Nd-144



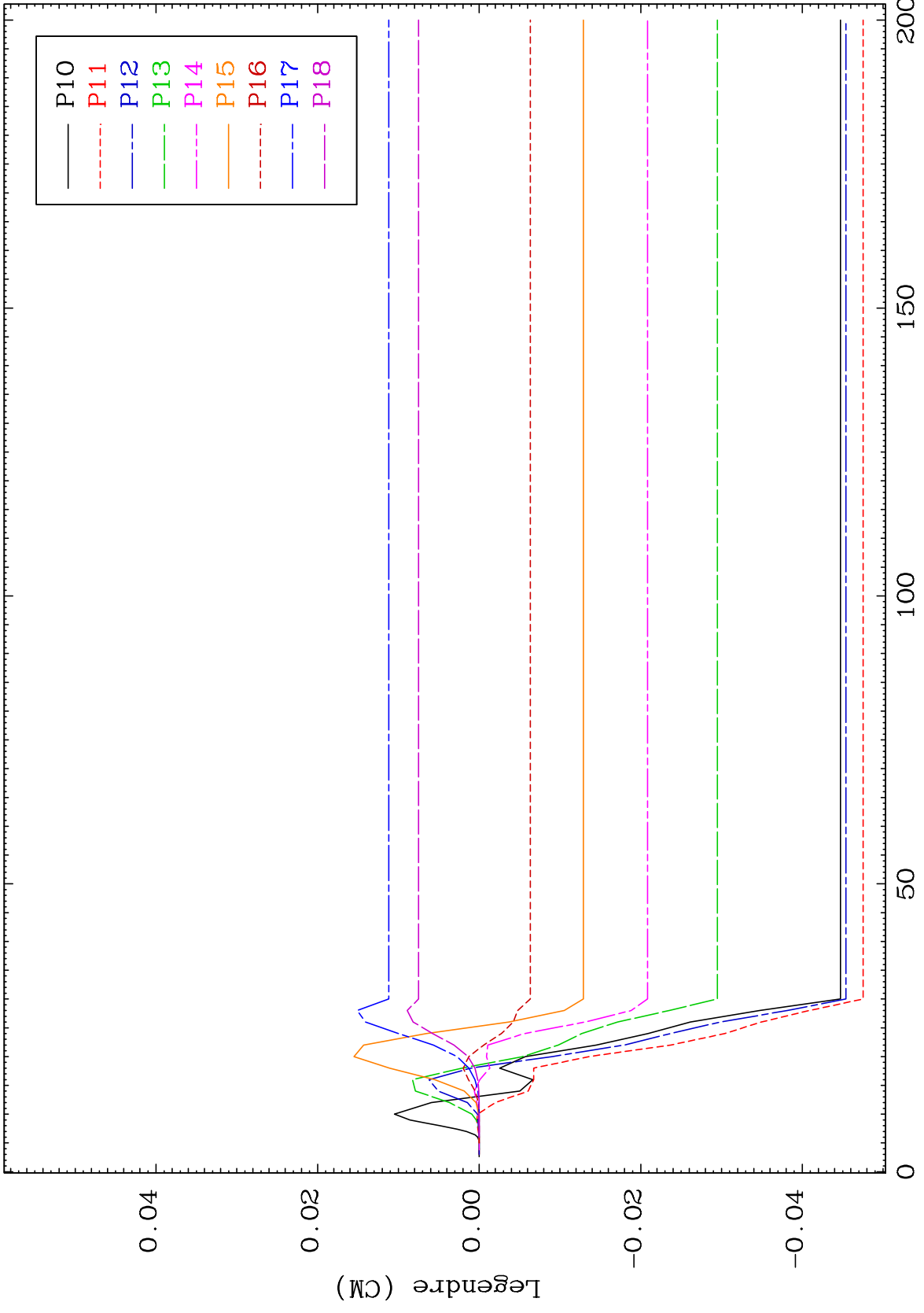
72 50 100 150 200 60-Nd-144

MAT 6031 MT= 65 (n,n') Level Legendre Coefficients 60-Nd-144



73 60-Nd-144

MAT 6031 MT= 65 (n,n') Level Legendre Coefficients 60-Nd-144

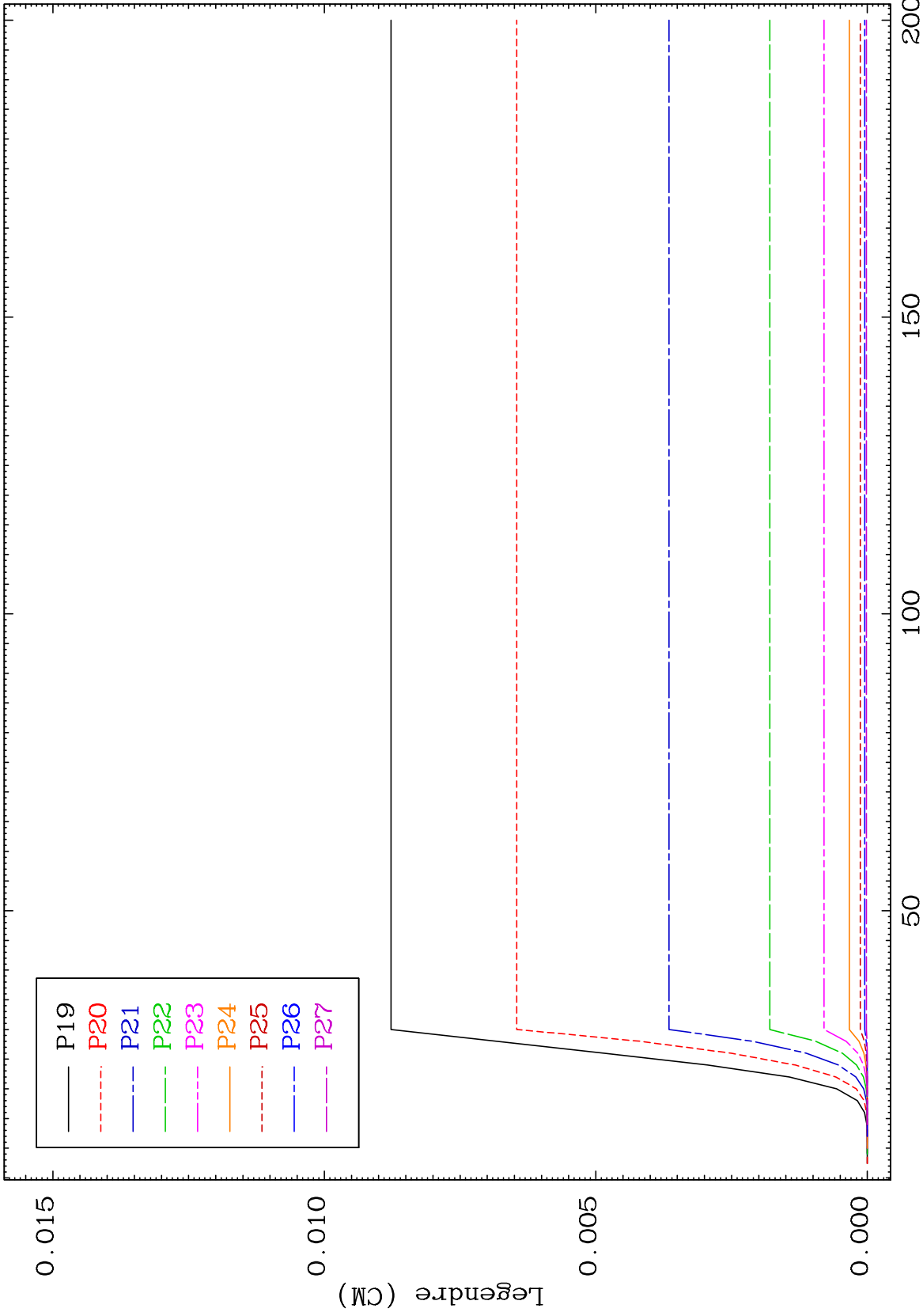


74 60-Nd-144

MAT 6031

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

60-Nd-144



75

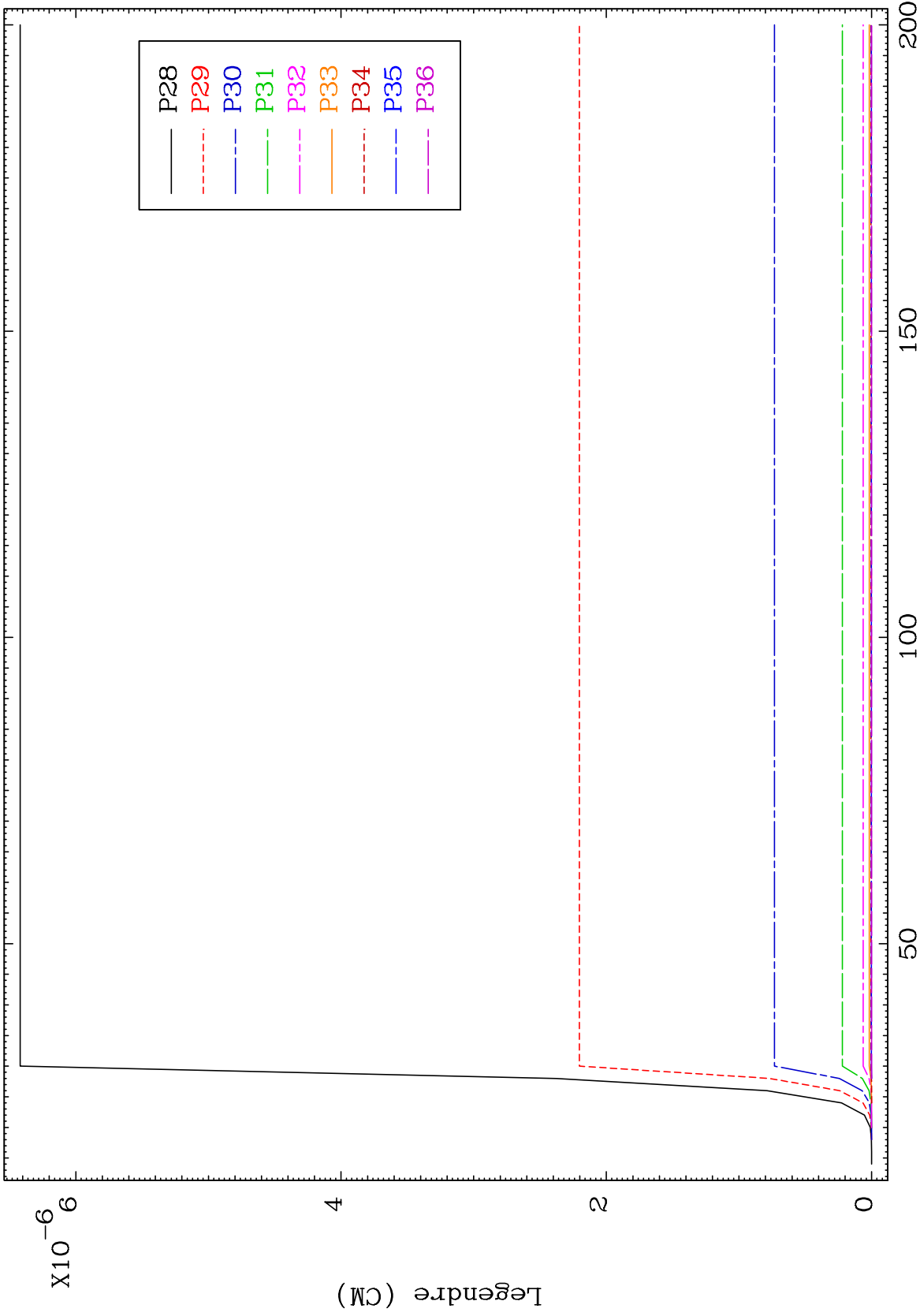
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144

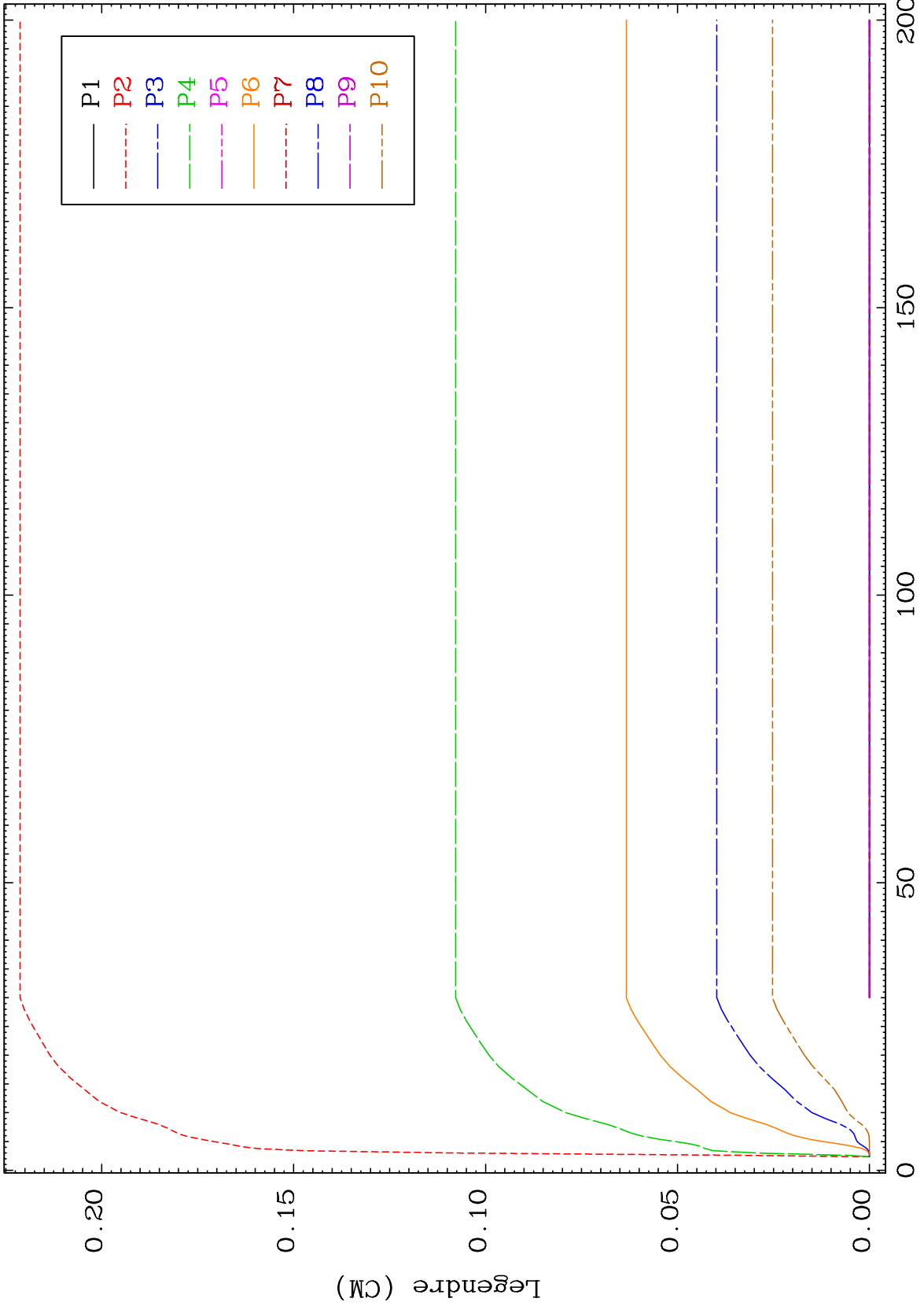


76

Incident Energy (MeV)

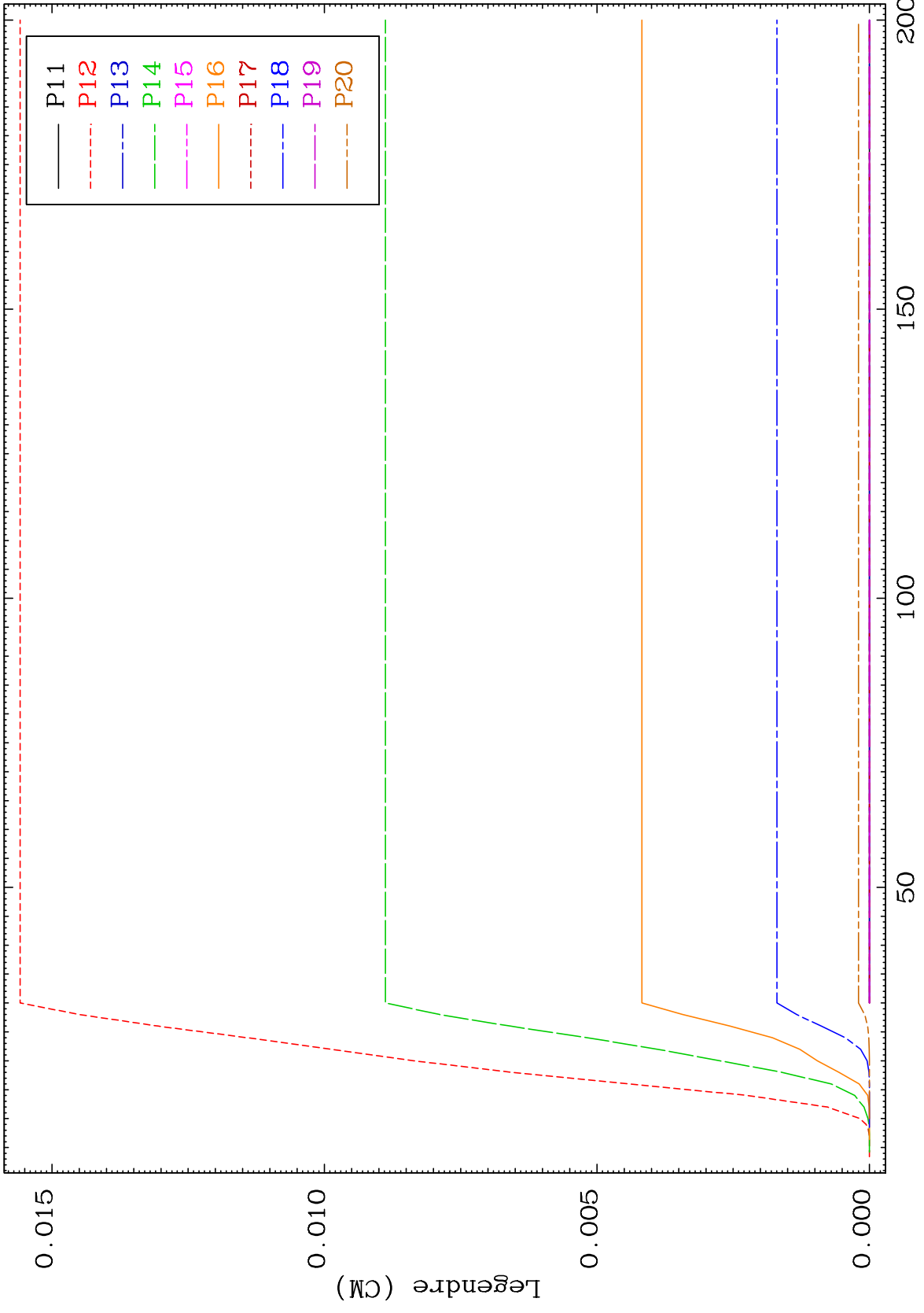
60-Nd-144

MAT 6031 MT= 66 (n,n') Level Legendre Coefficients 60-Nd-144



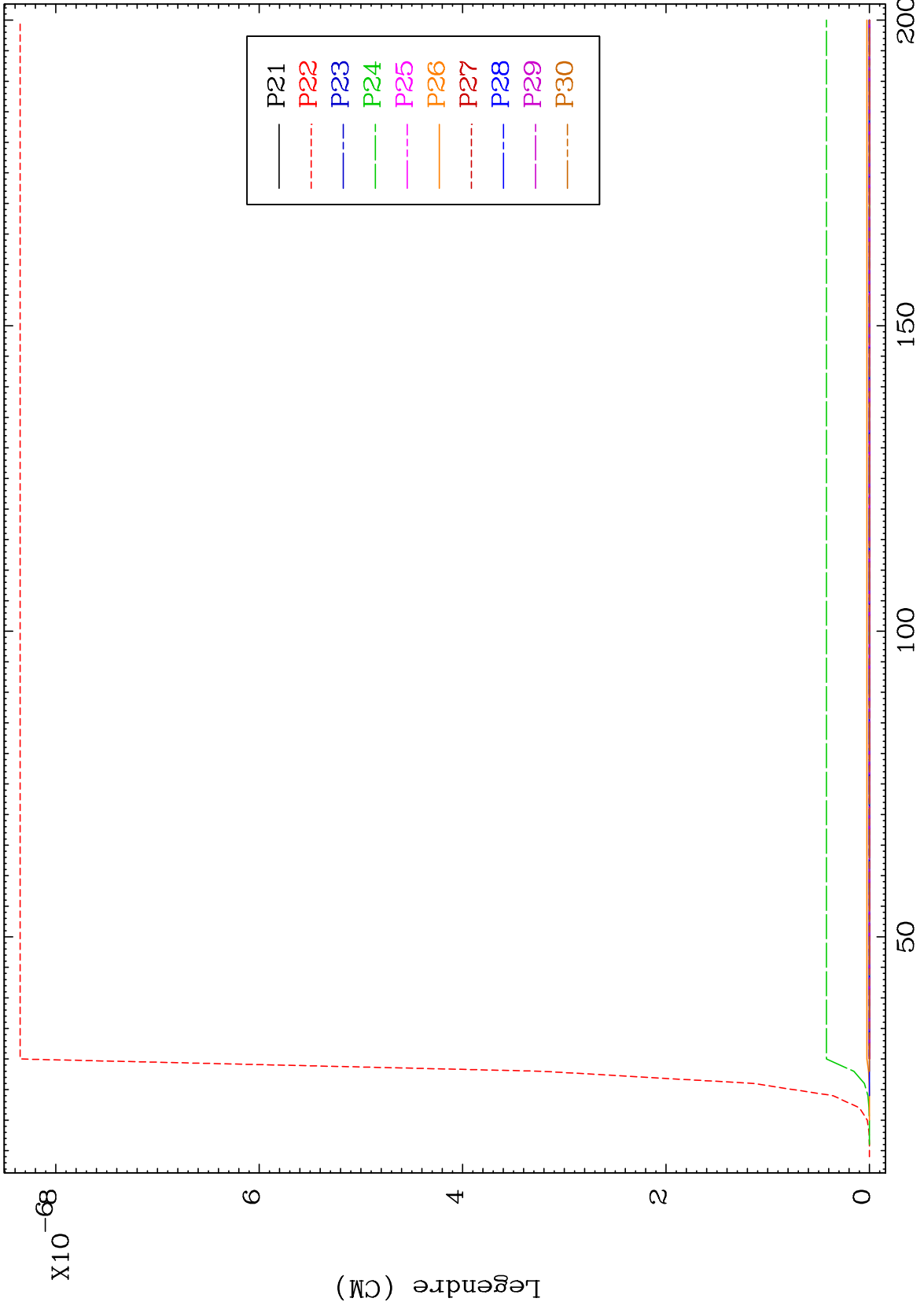
77 60-Nd-144

MAT 6031 MT= 66 (n,n') Level Legendre Coefficients 60-Nd-144



78 Incident Energy (MeV) 60-Nd-144

MAT 6031 MT= 66 (n,n') Level Legendre Coefficients 60-Nd-144

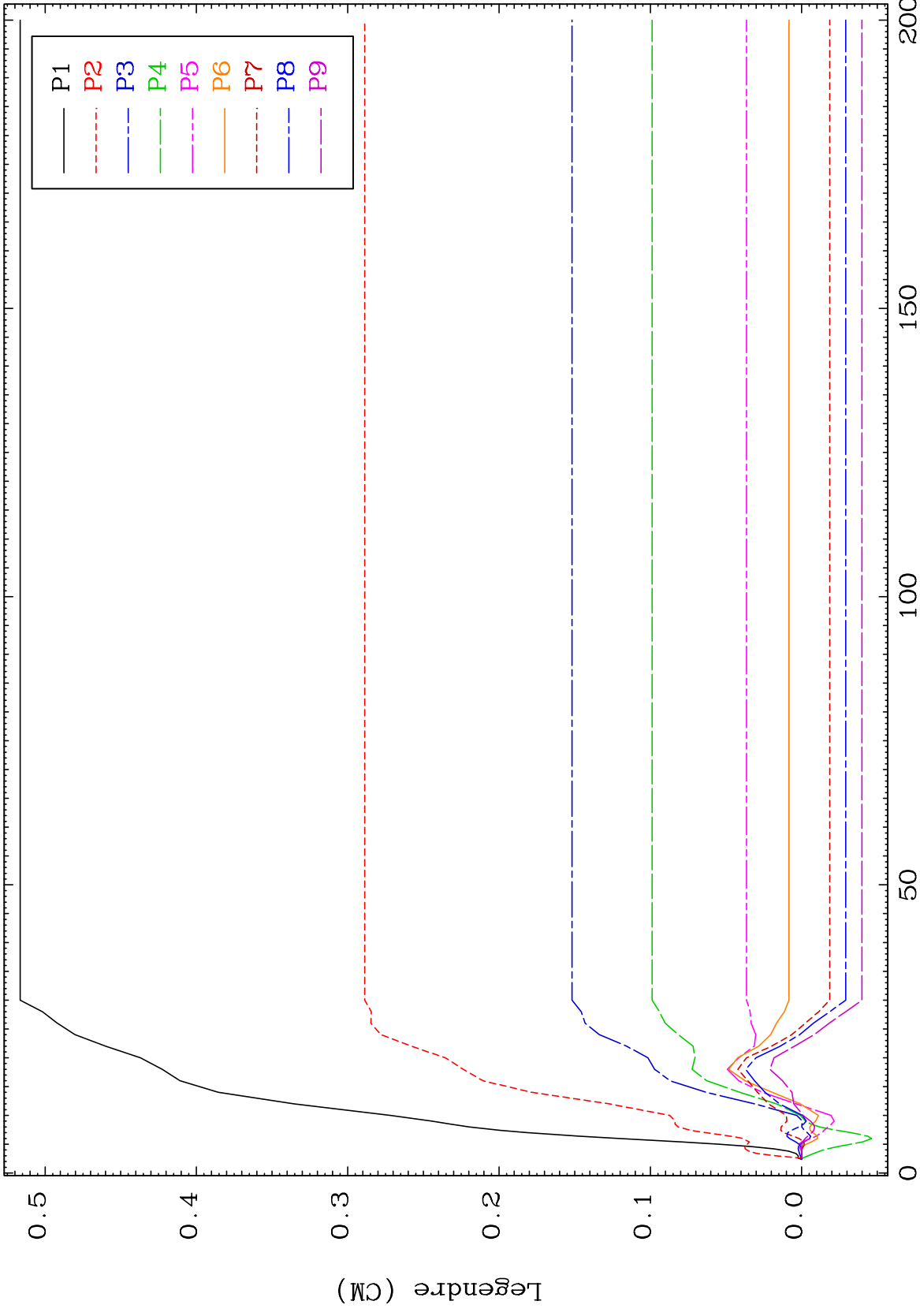


79 50 100 150 200 60-Nd-144

MAT 6031

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

60-Nd-144



60-Nd-144

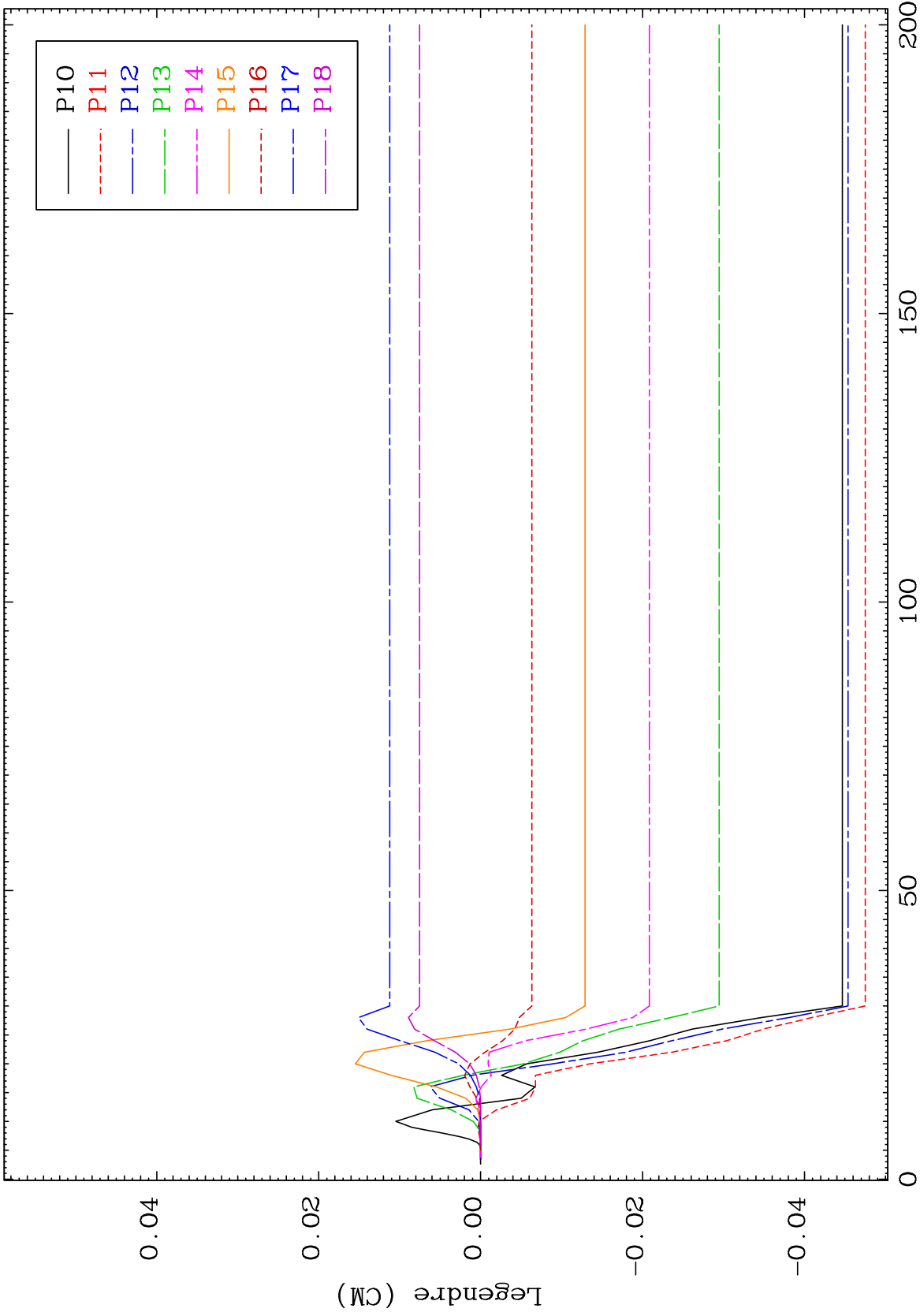
Incident Energy (MeV)

Legendre (CM)

MAT 6031

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

60-Nd-144



81

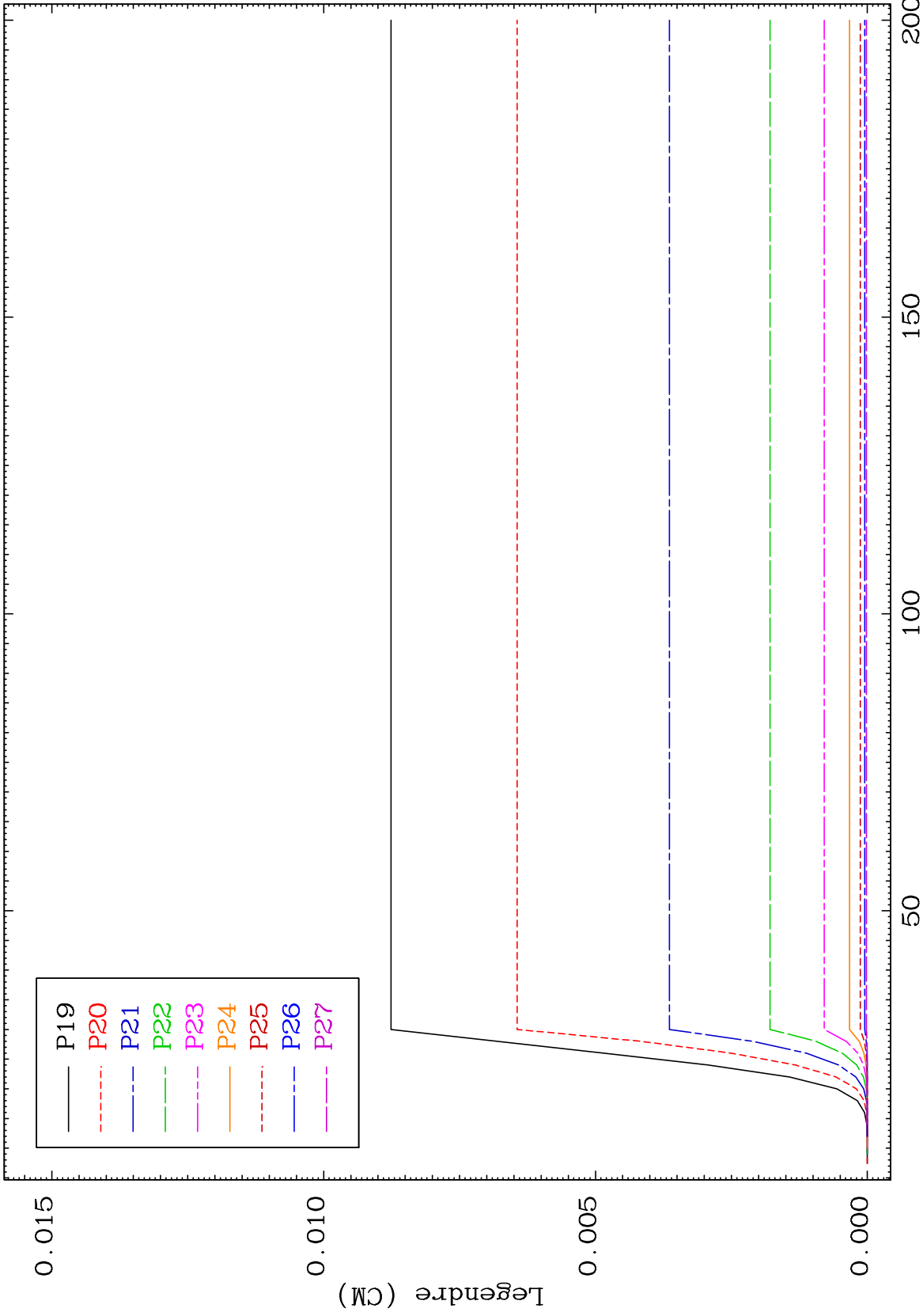
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



82

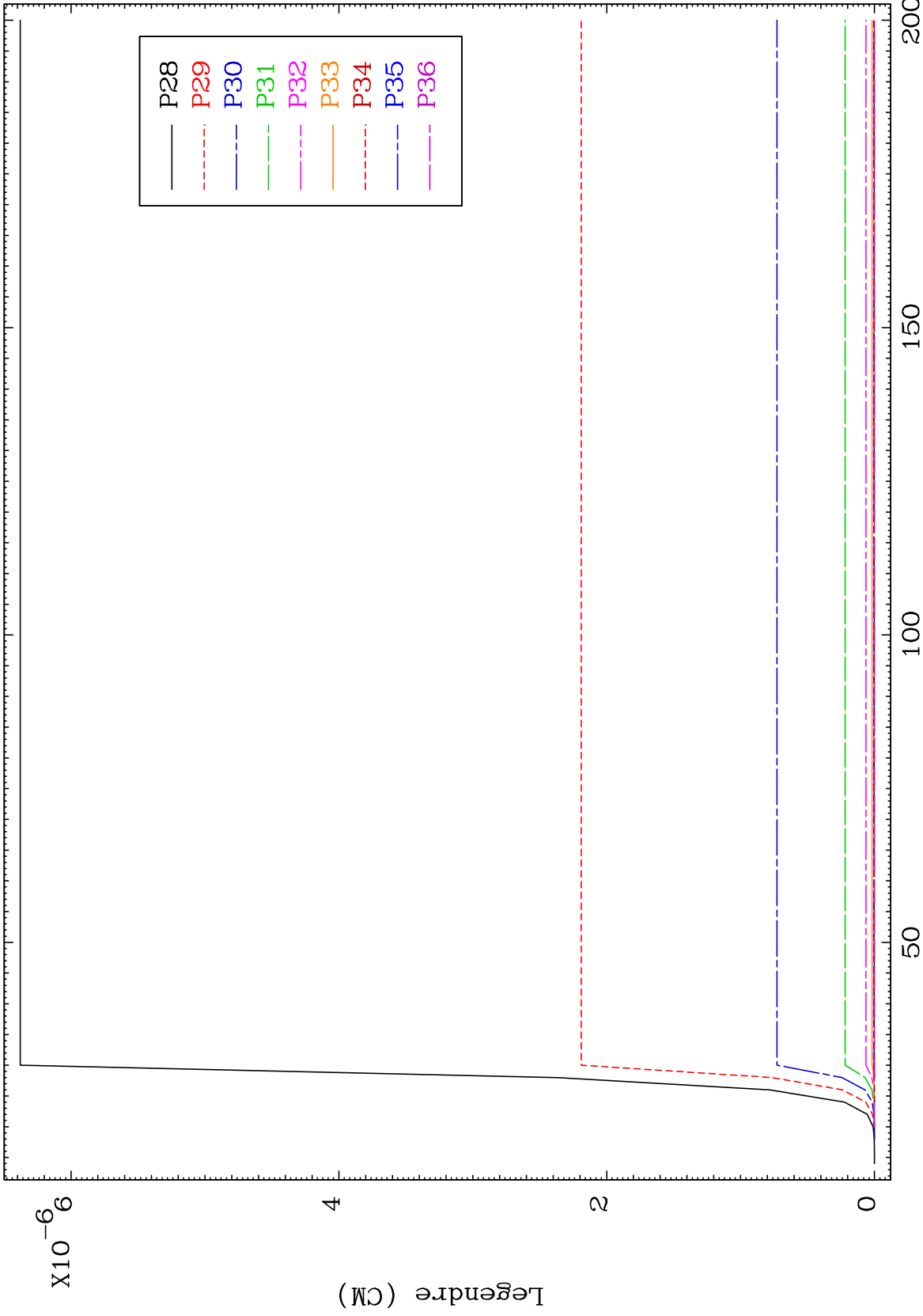
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

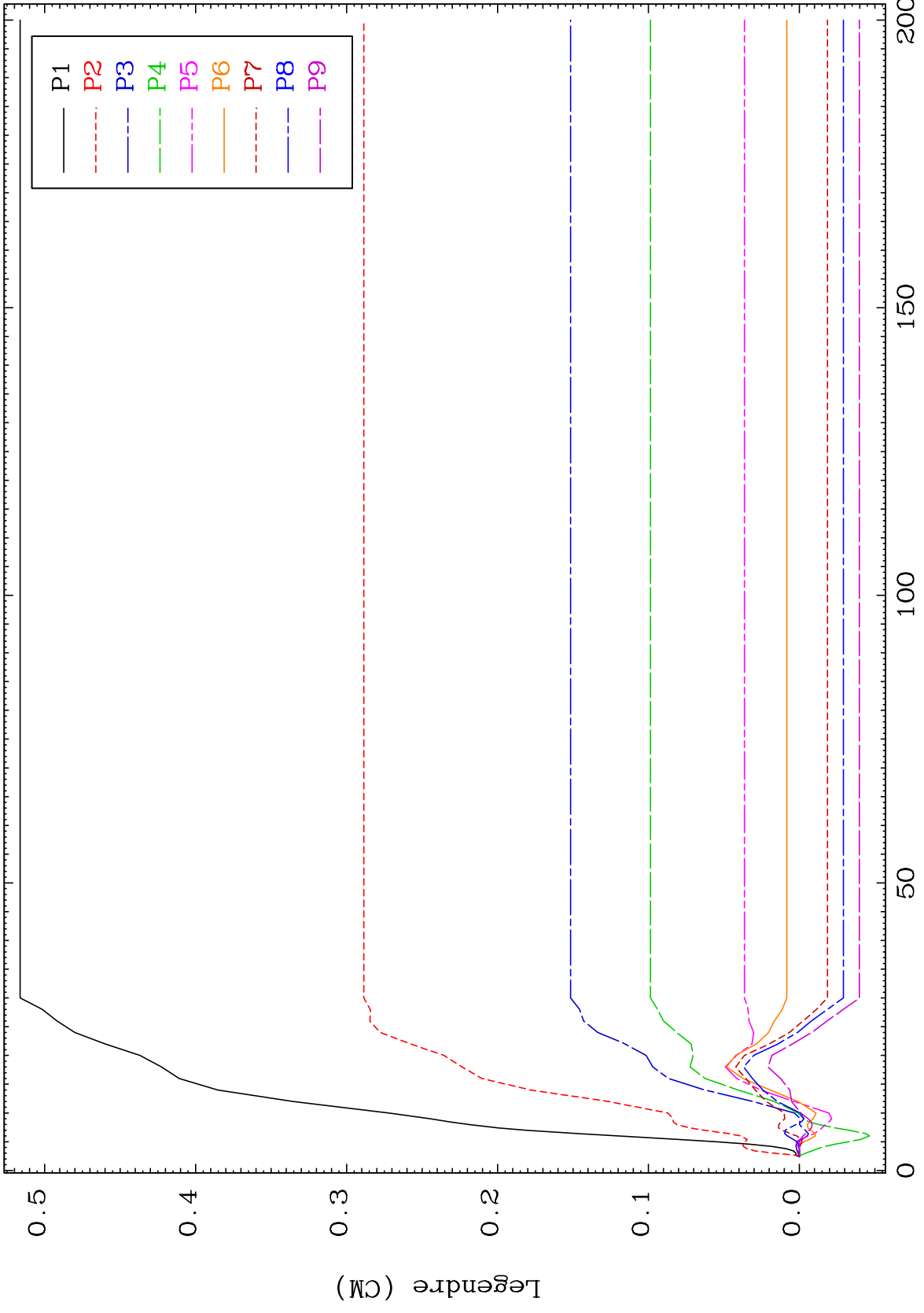
60-Nd-144



83

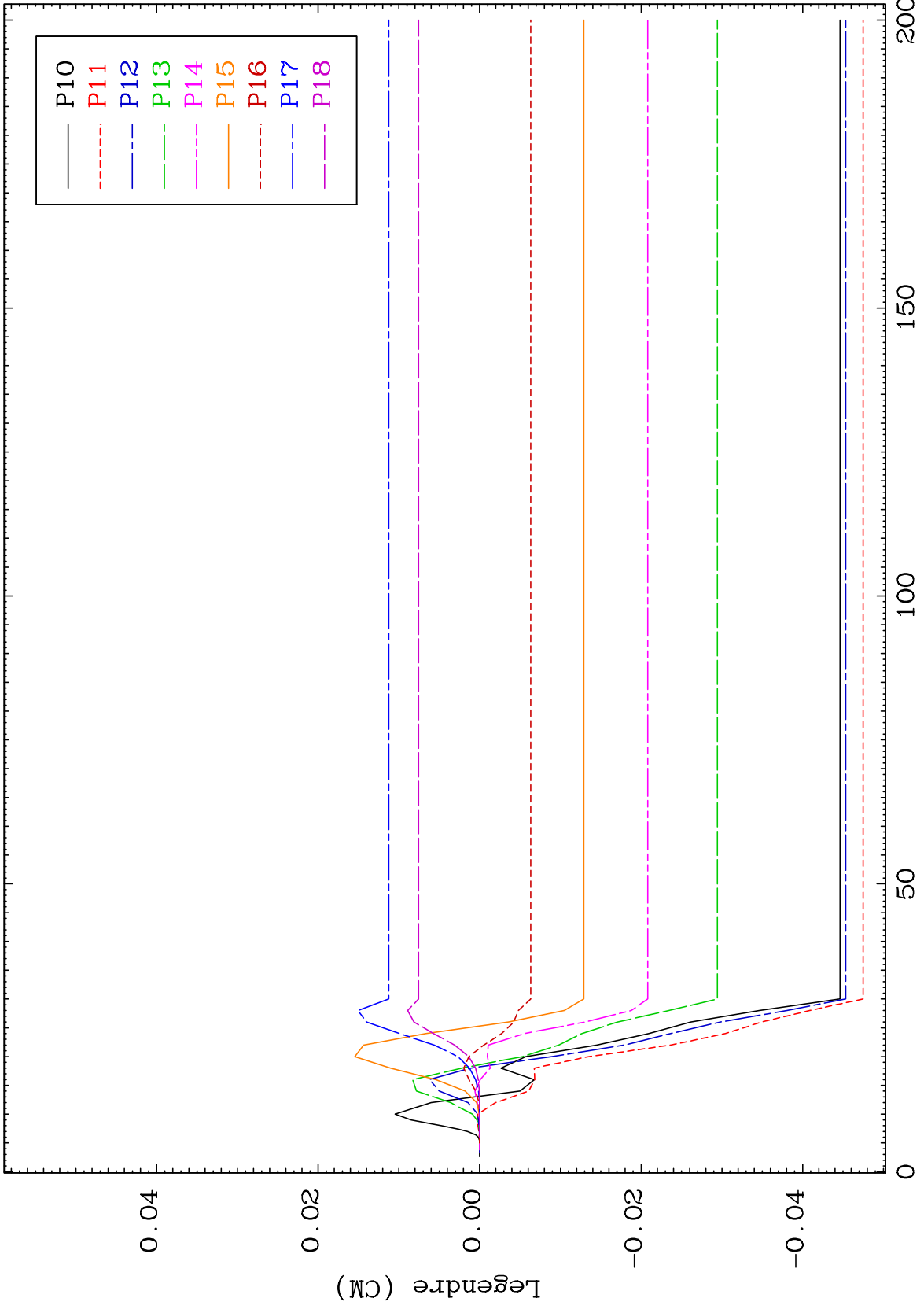
60-Nd-144

MAT 6031 MT= 68 (n,n') Level Legendre Coefficients 60-Nd-144



84 60-Nd-144

MAT 6031 MT= 68 (n,n') Level Legendre Coefficients 60-Nd-144

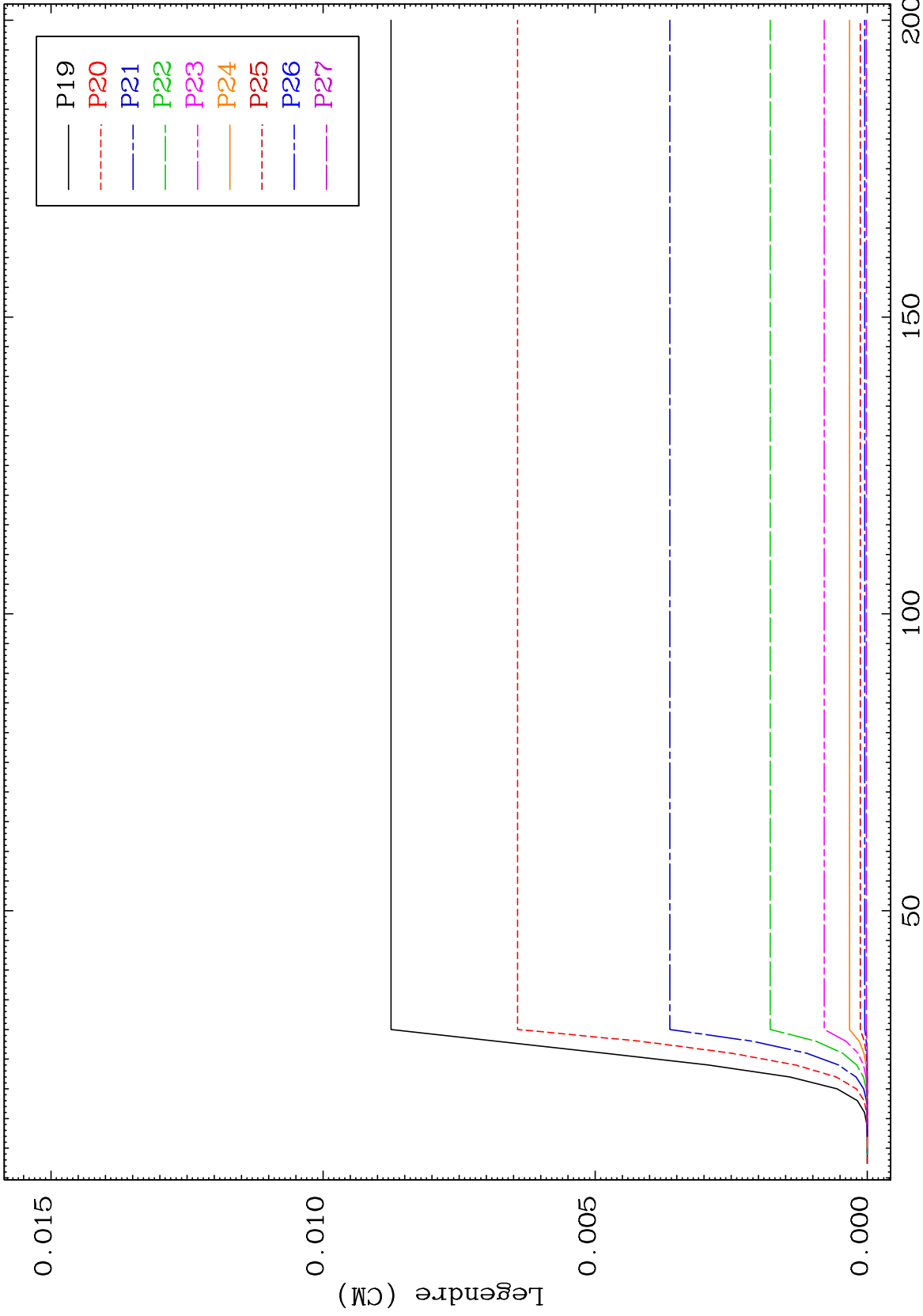


85 Incident Energy (MeV) 60-Nd-144

MAT 6031

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

60-Nd-144



86

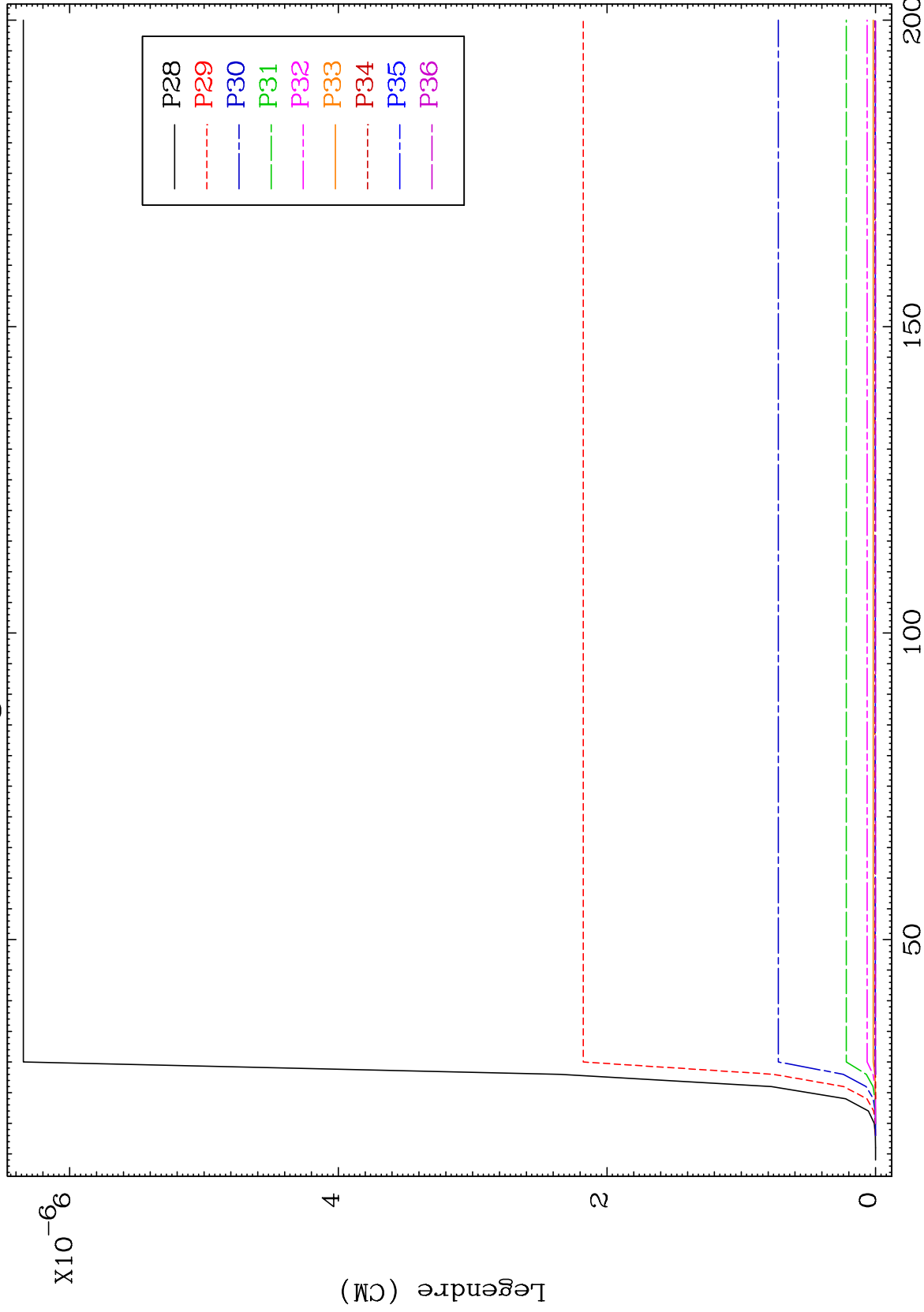
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



87

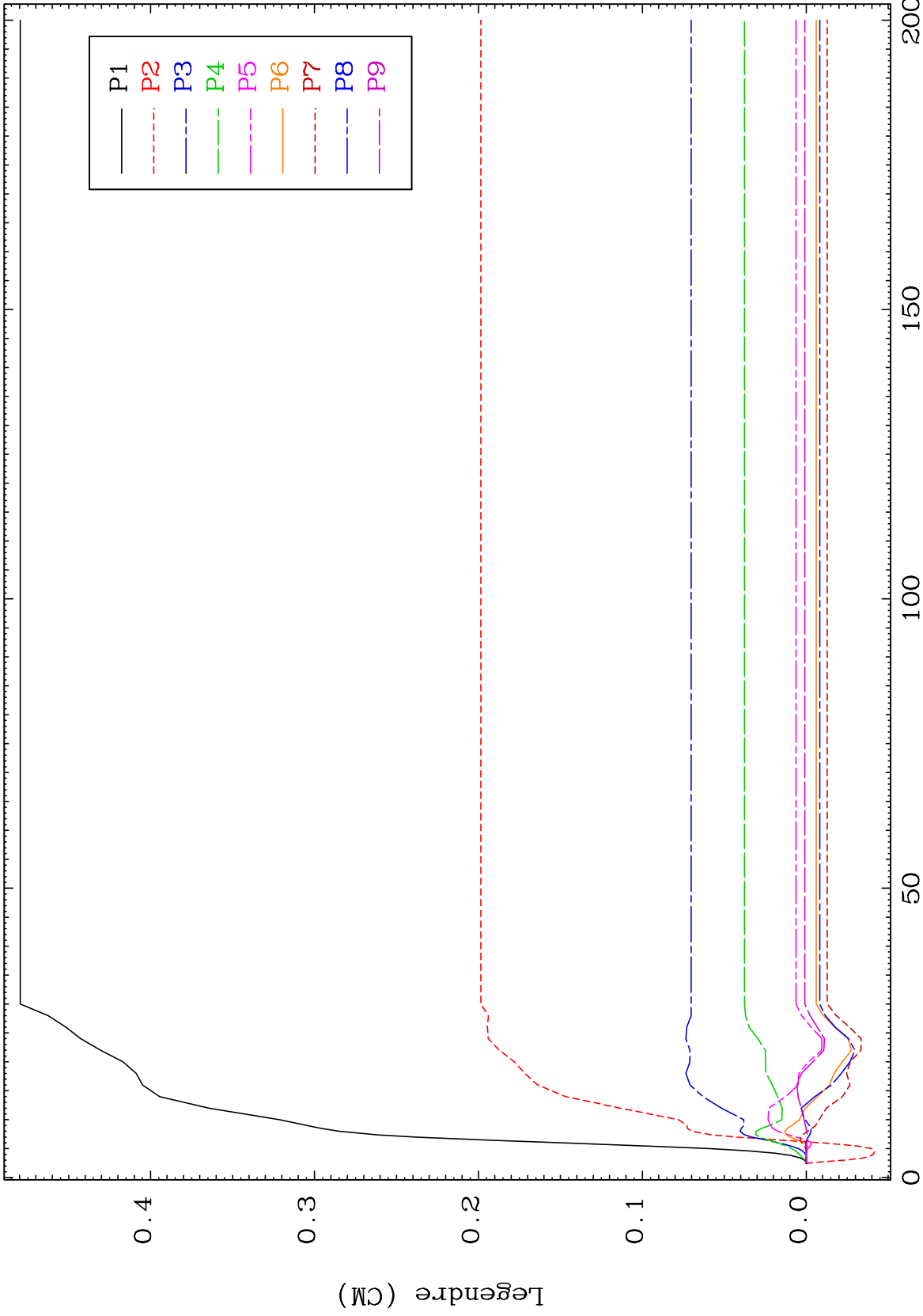
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



88

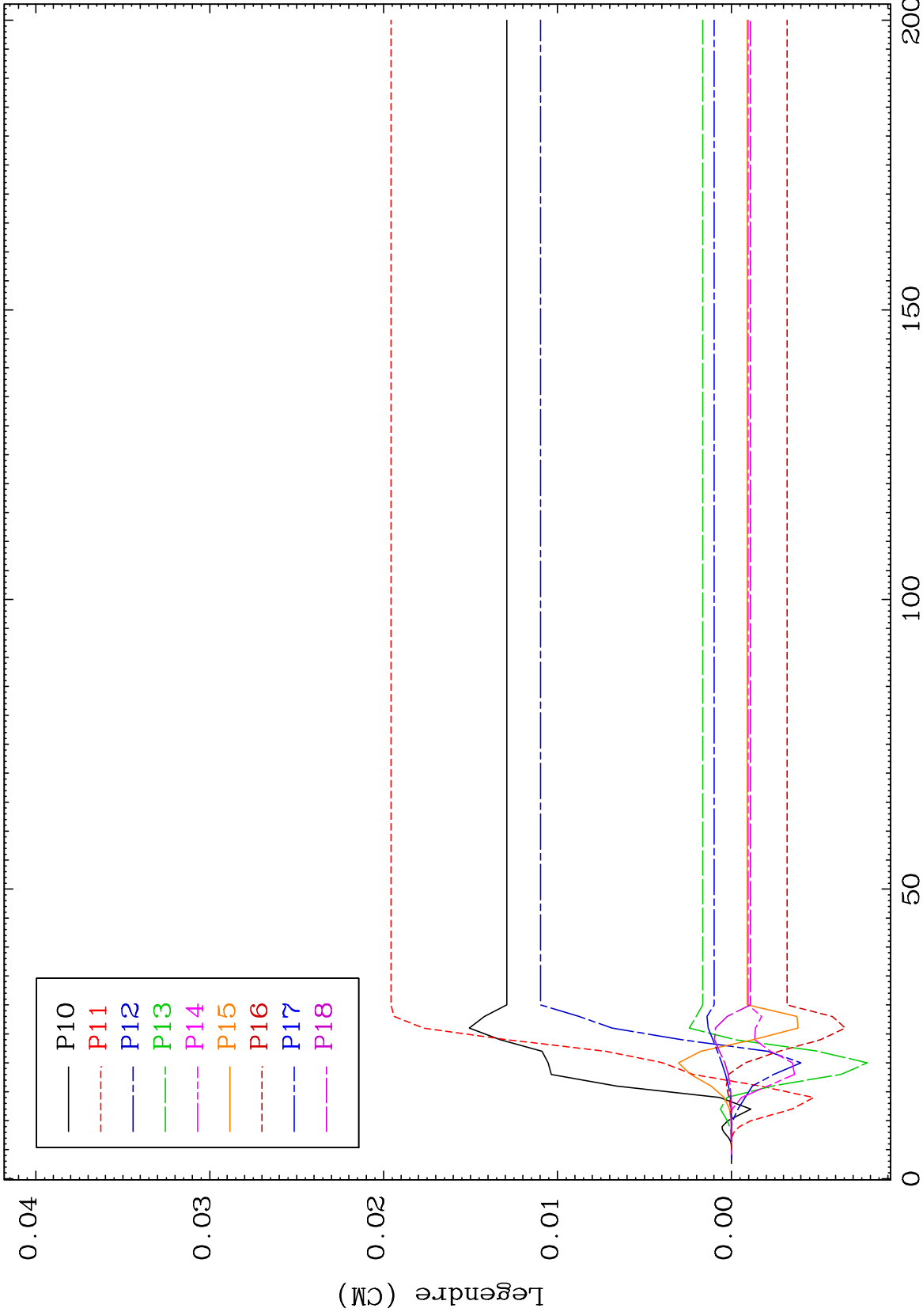
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



89

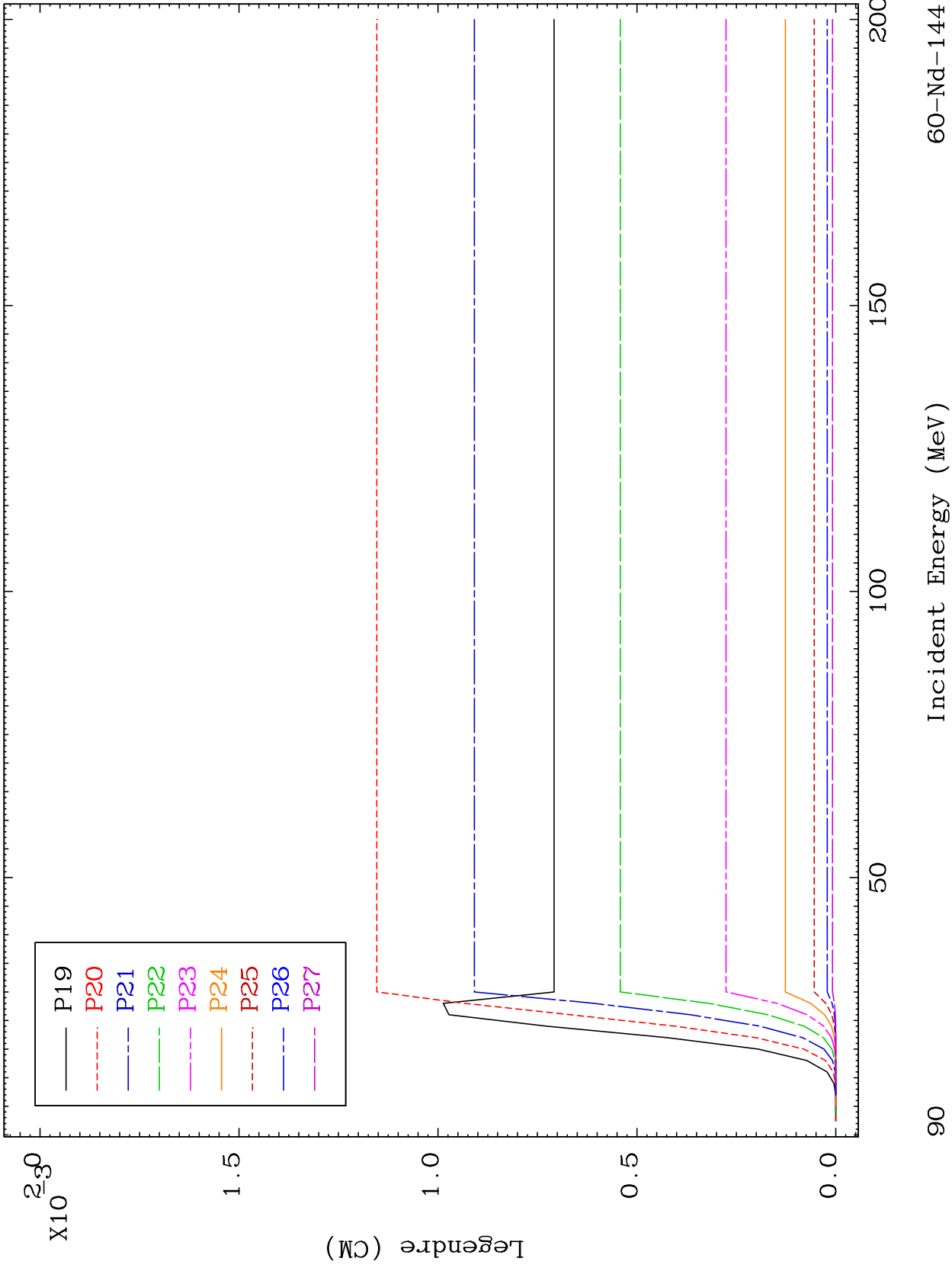
Incident Energy (MeV)

60-Nd-144

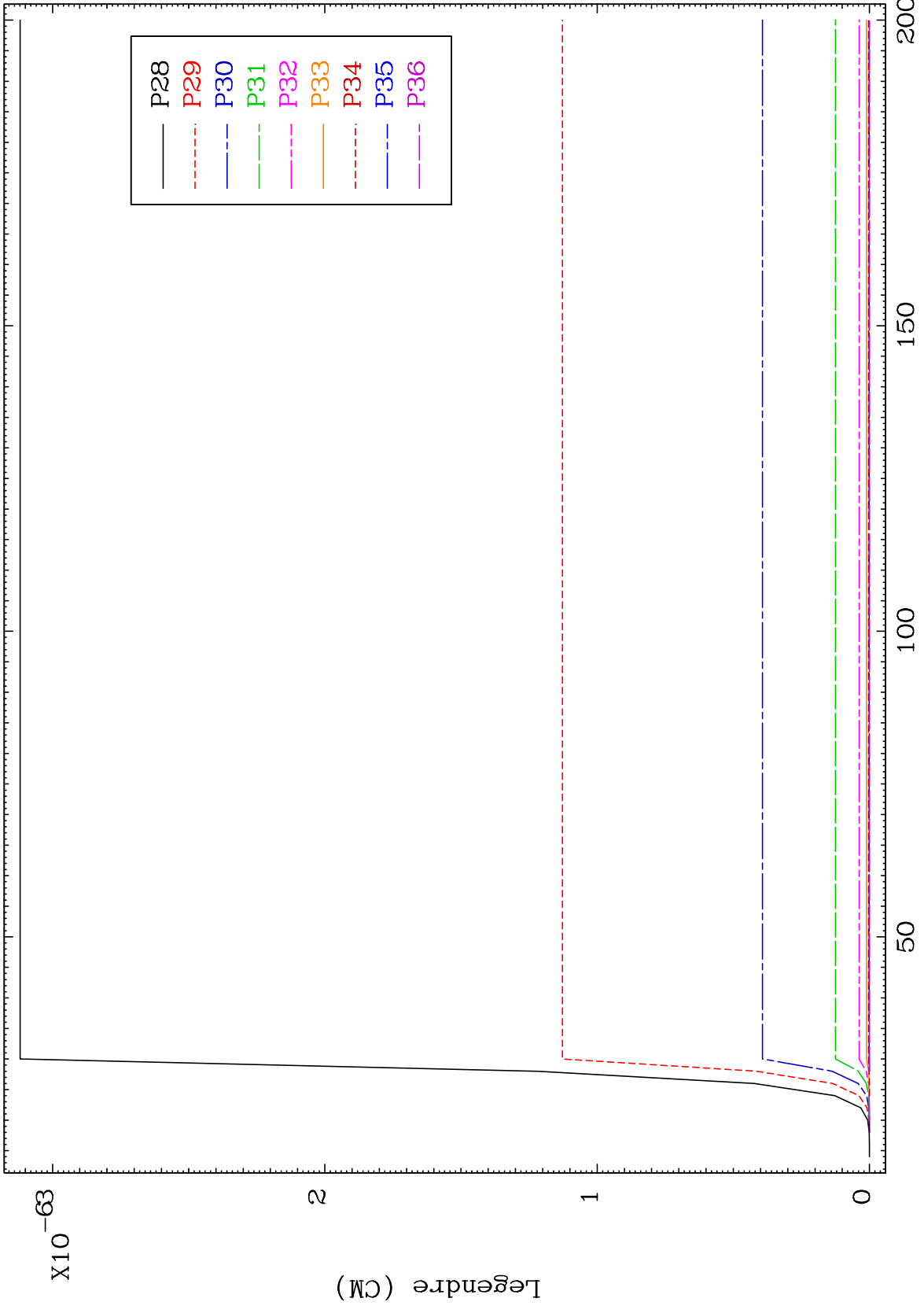
MAT 6031

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

60-Nd-144



MAT 6031 MT= 69 (n,n') Level Legendre Coefficients 60-Nd-144

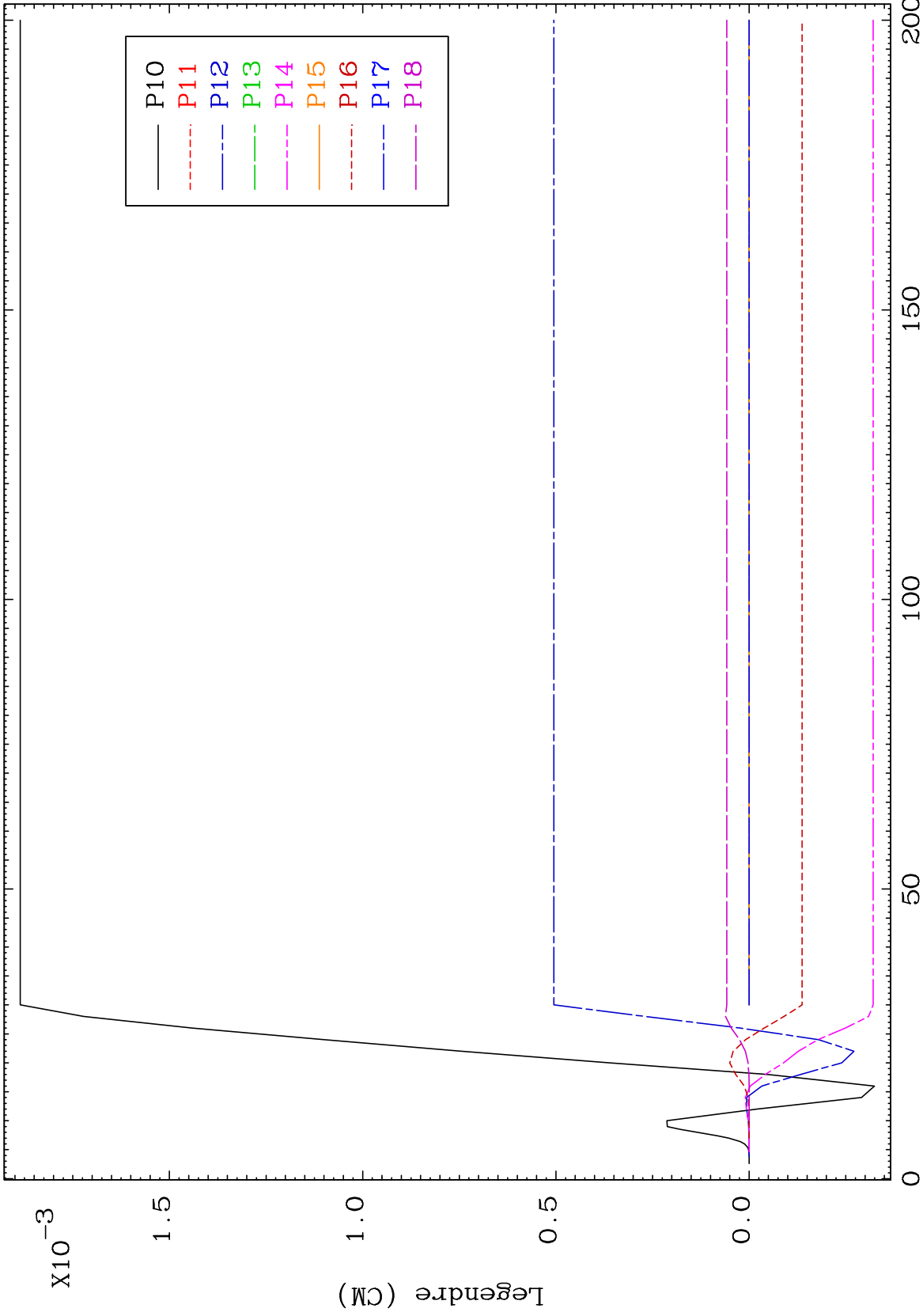


91 60-Nd-144

MAT 6031

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

60-Nd-144

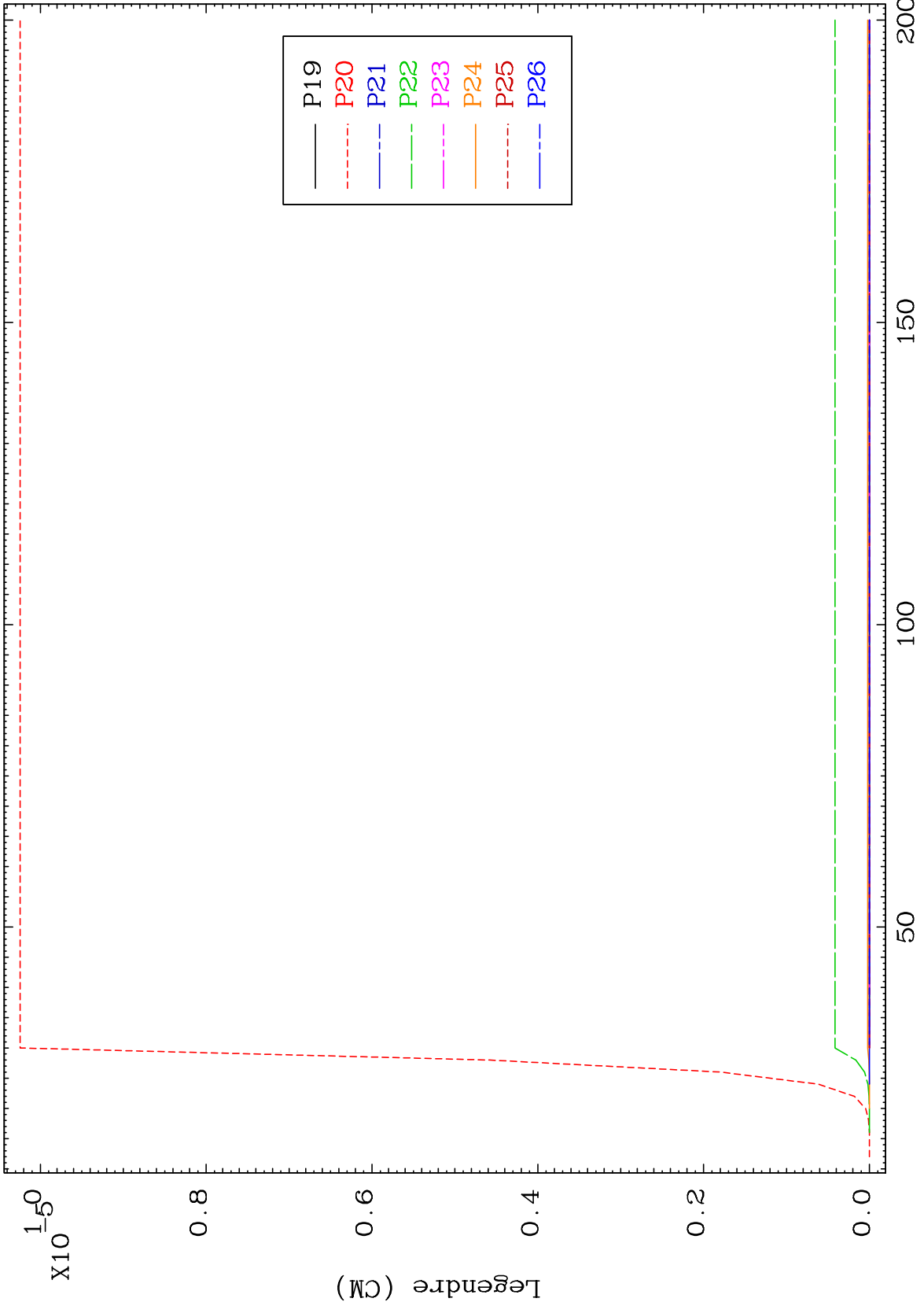


93

Incident Energy (MeV)

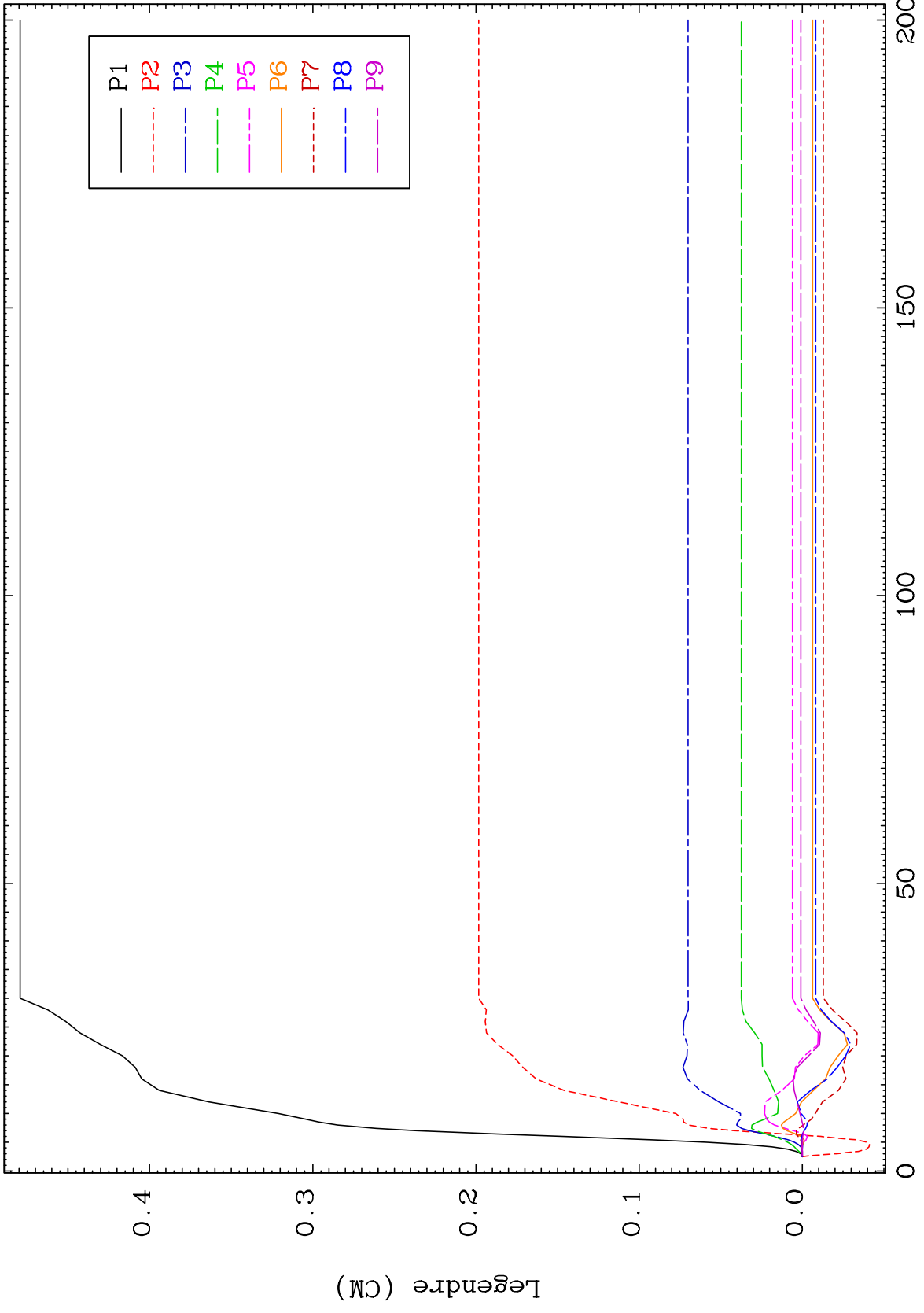
60-Nd-144

MAT 6031 MT= 70 (n,n') Level Legendre Coefficients 60-Nd-144



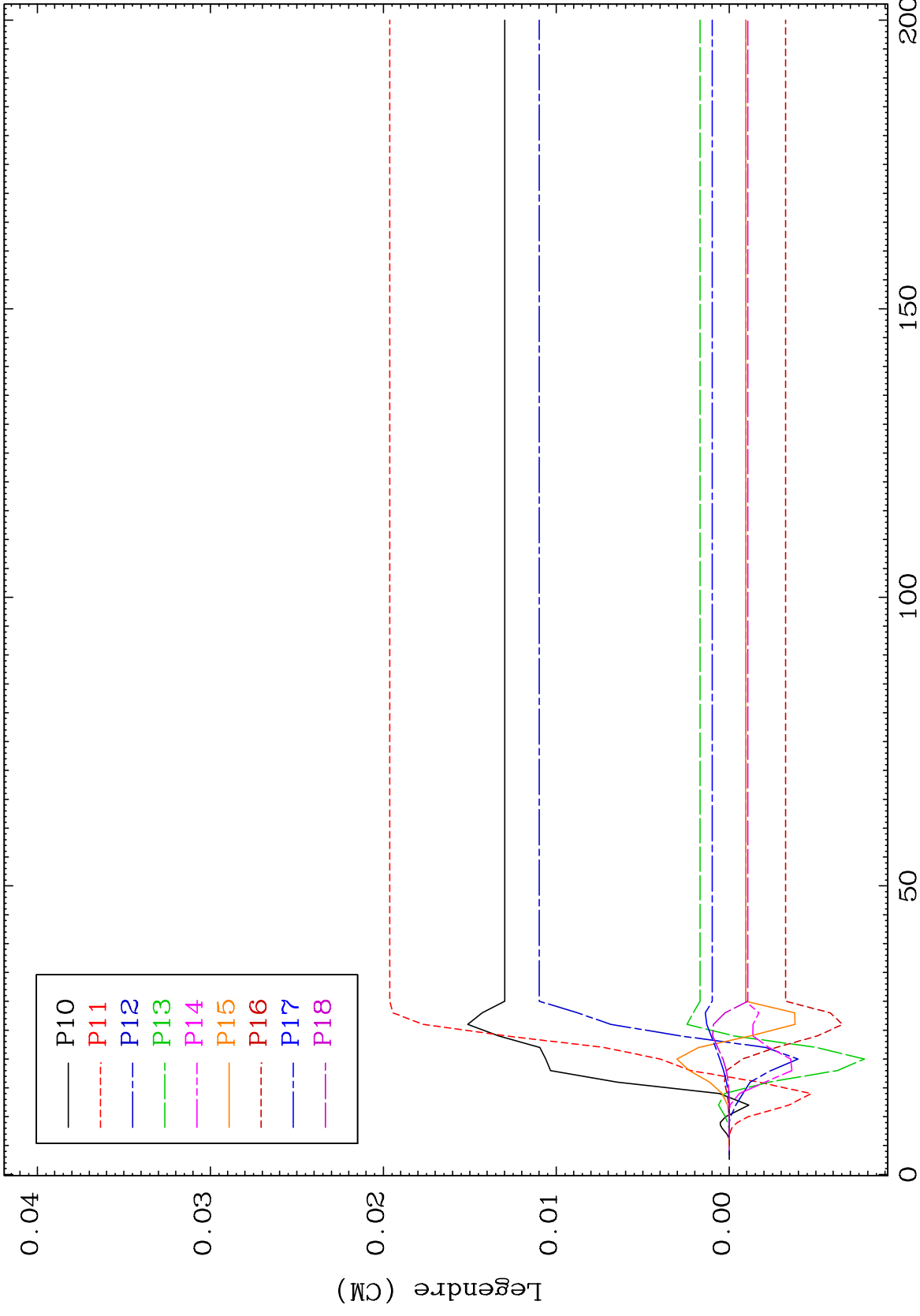
94 60-Nd-144

MAT 6031 MT= 71 (n,n') Level Legendre Coefficients 60-Nd-144



95 Incident Energy (MeV) 60-Nd-144

MAT 6031 MT= 71 (n,n') Level Legendre Coefficients 60-Nd-144

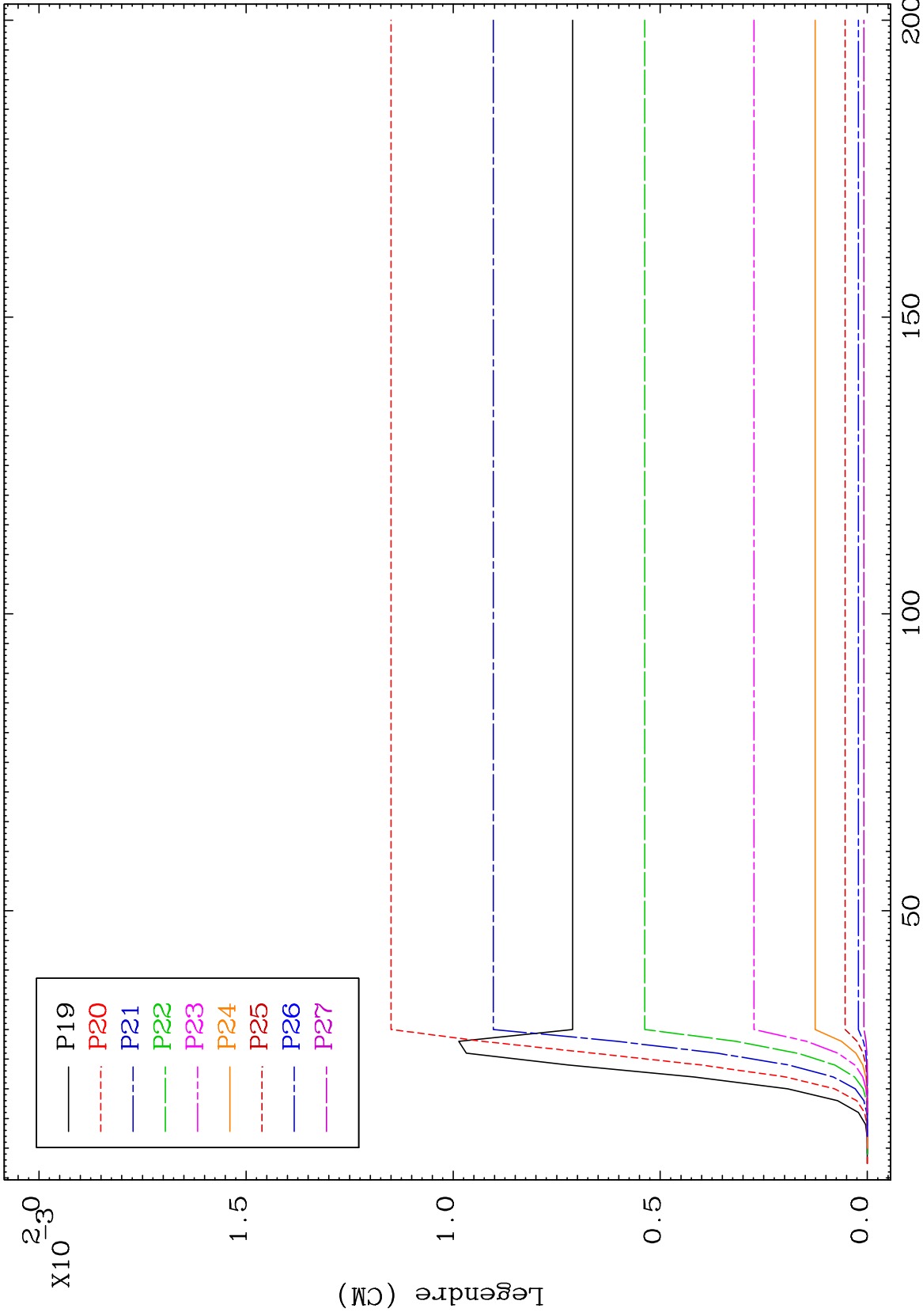


96 60-Nd-144

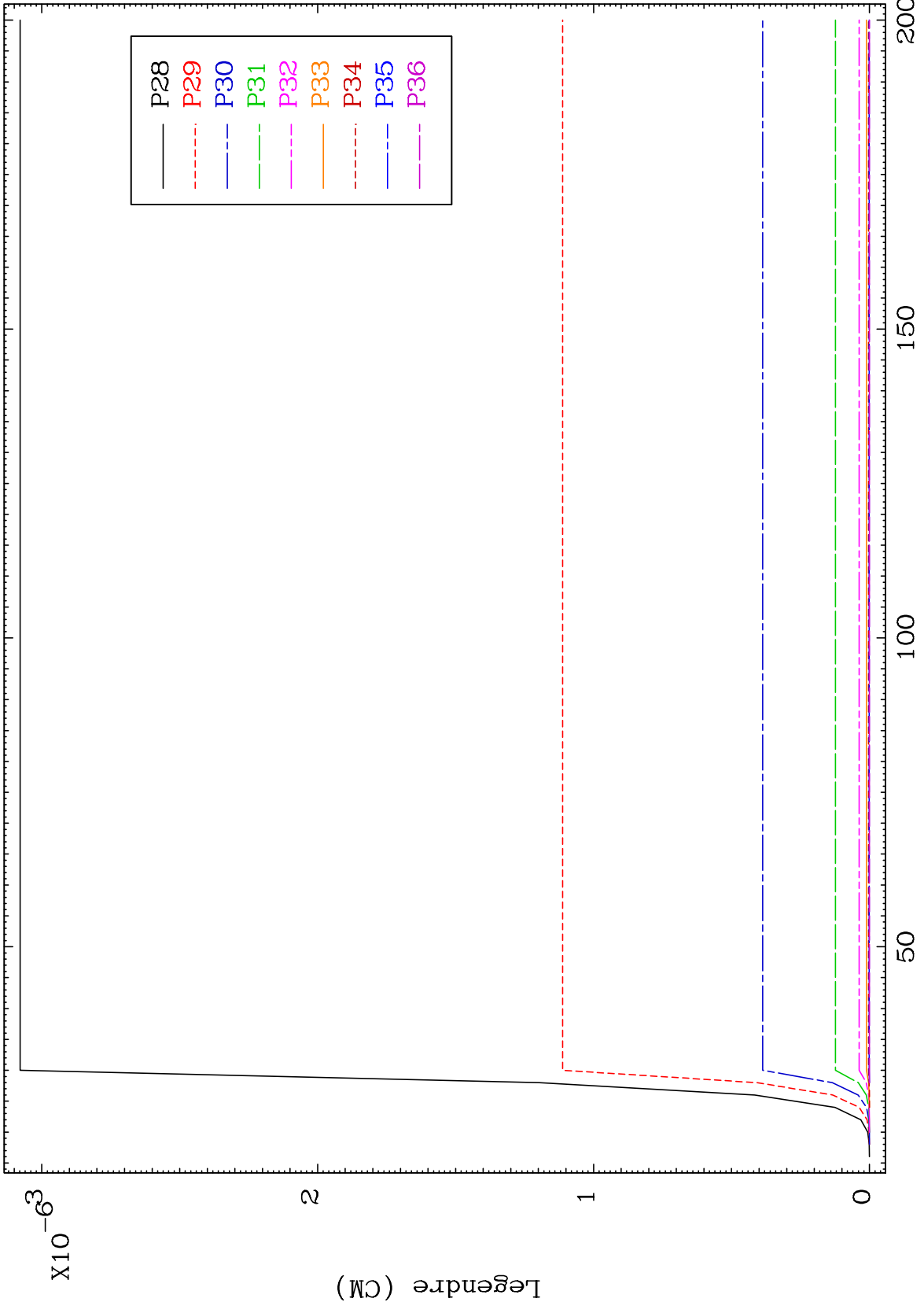
MAT 6031

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

60-Nd-144

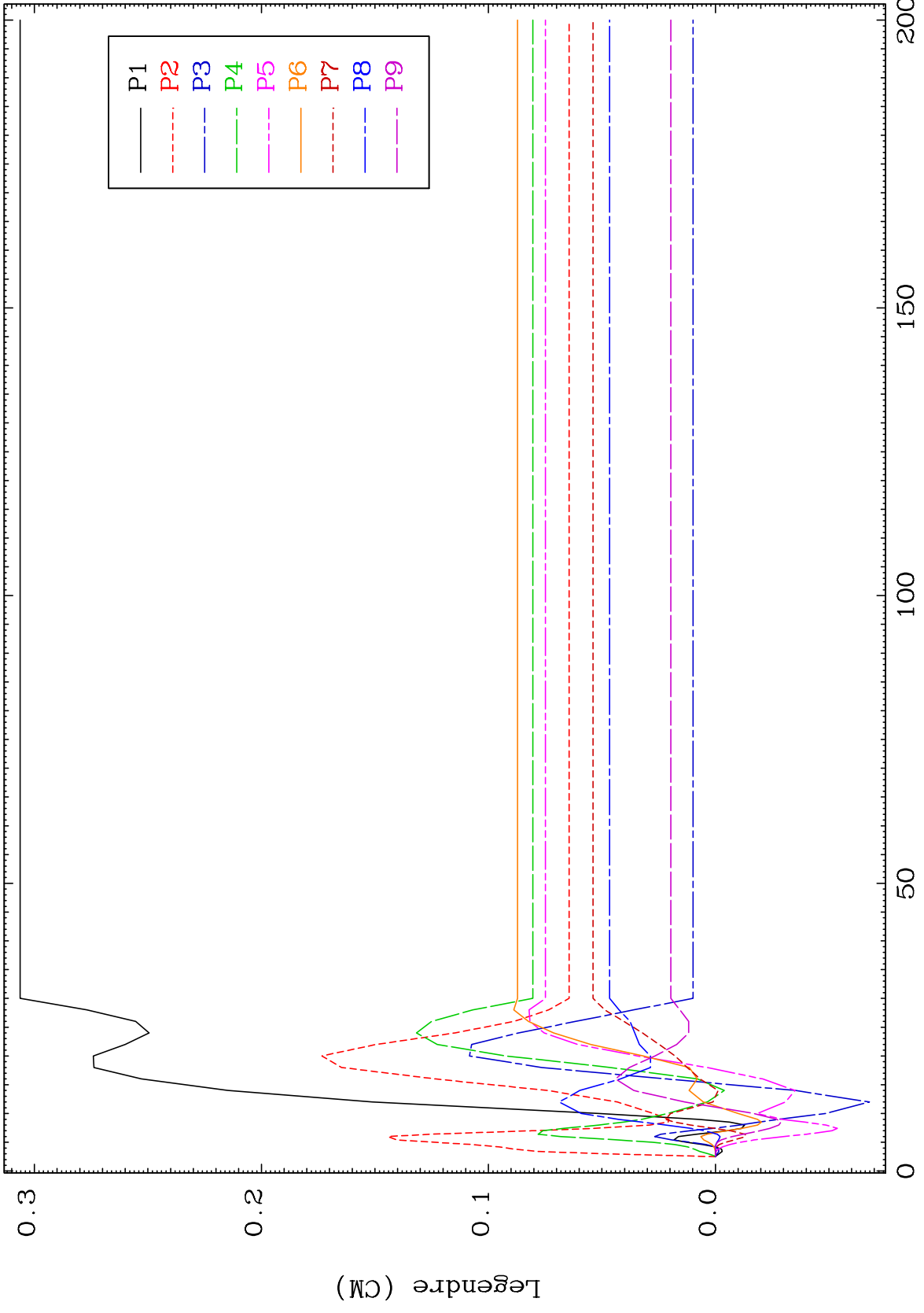


MAT 6031 MT= 71 (n,n') Level Legendre Coefficients 60-Nd-144



98 60-Nd-144

MAT 6031 MT= 72 (n,n') Level Legendre Coefficients 60-Nd-144

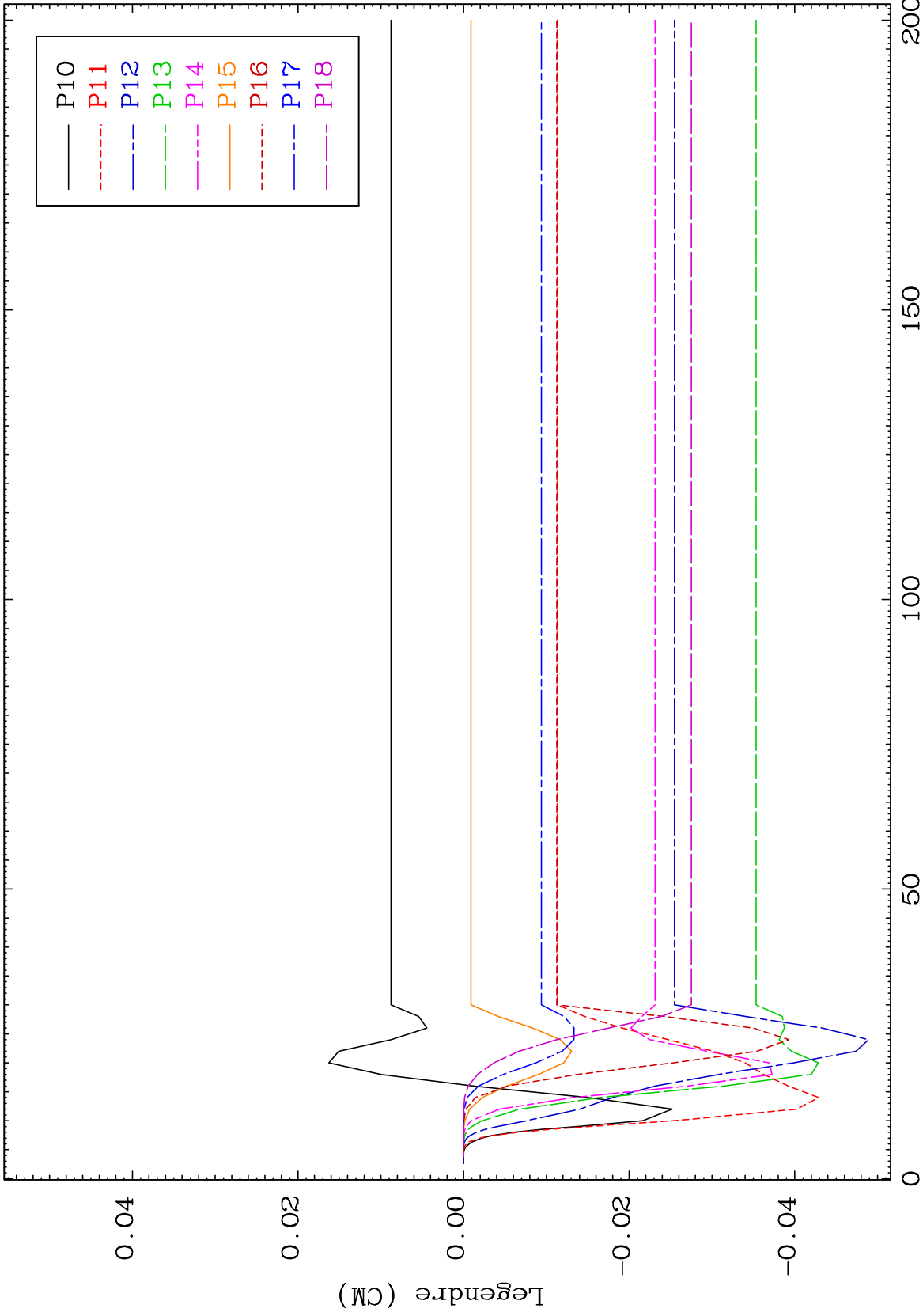


99 Incident Energy (MeV) 60-Nd-144

MAT 6031

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

60-Nd-144

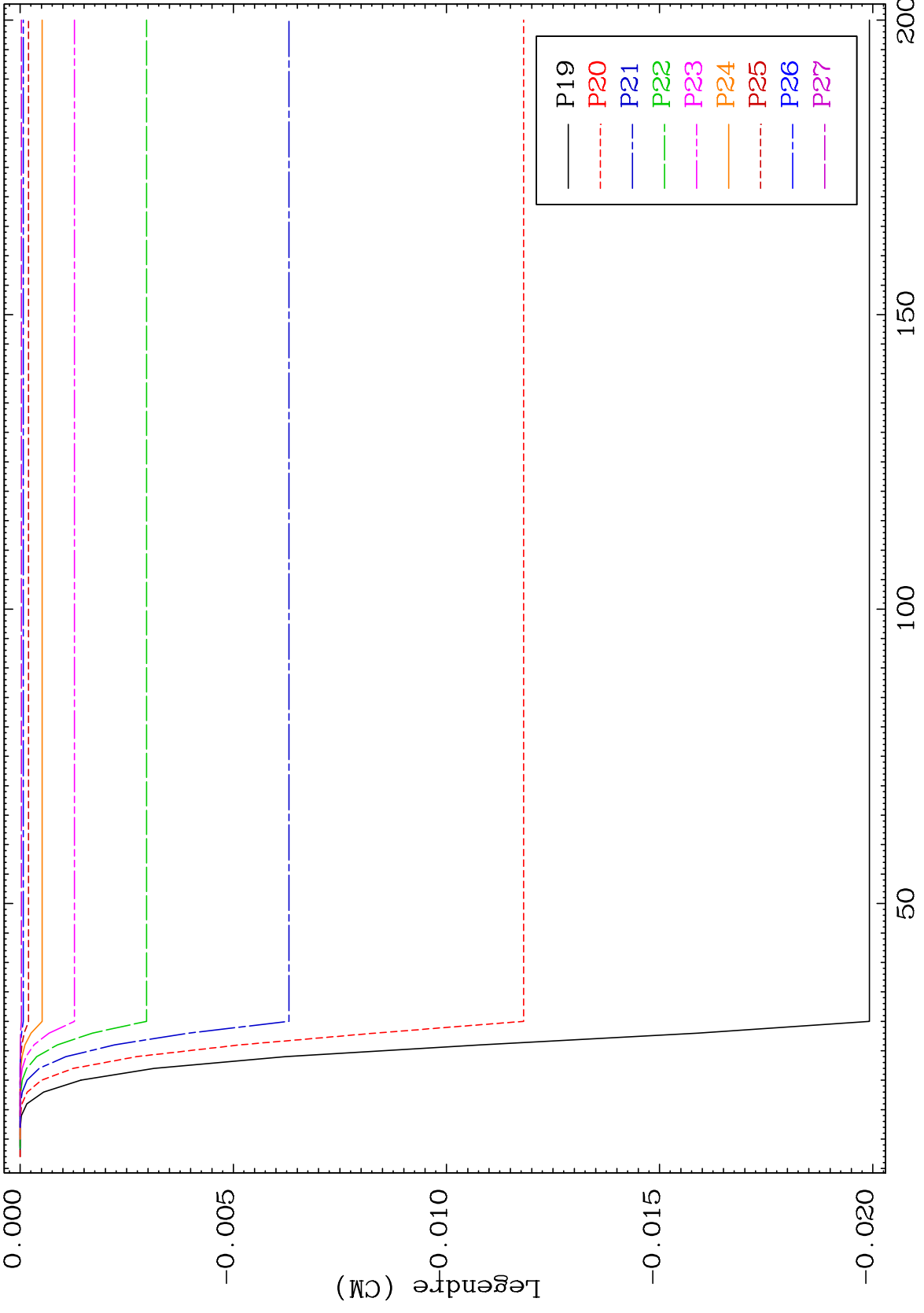


60-Nd-144

Incident Energy (MeV)

100

MAT 6031 MT= 72 (n,n') Level Legendre Coefficients 60-Nd-144



101 Incident Energy (MeV) 60-Nd-144

MAT 6031

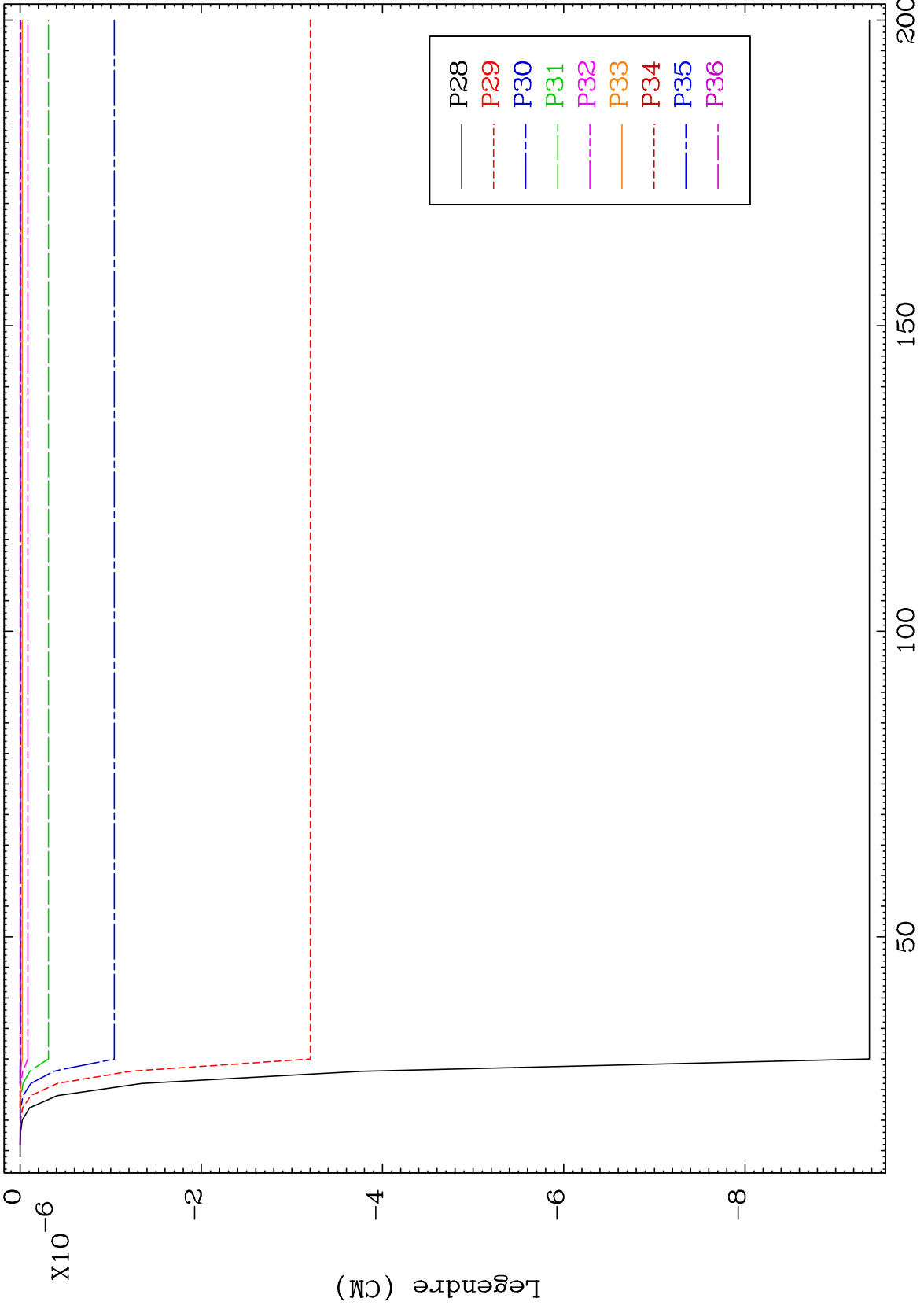
MT= 72 (n,n') Level
Legendre Coefficients

60-Nd-144

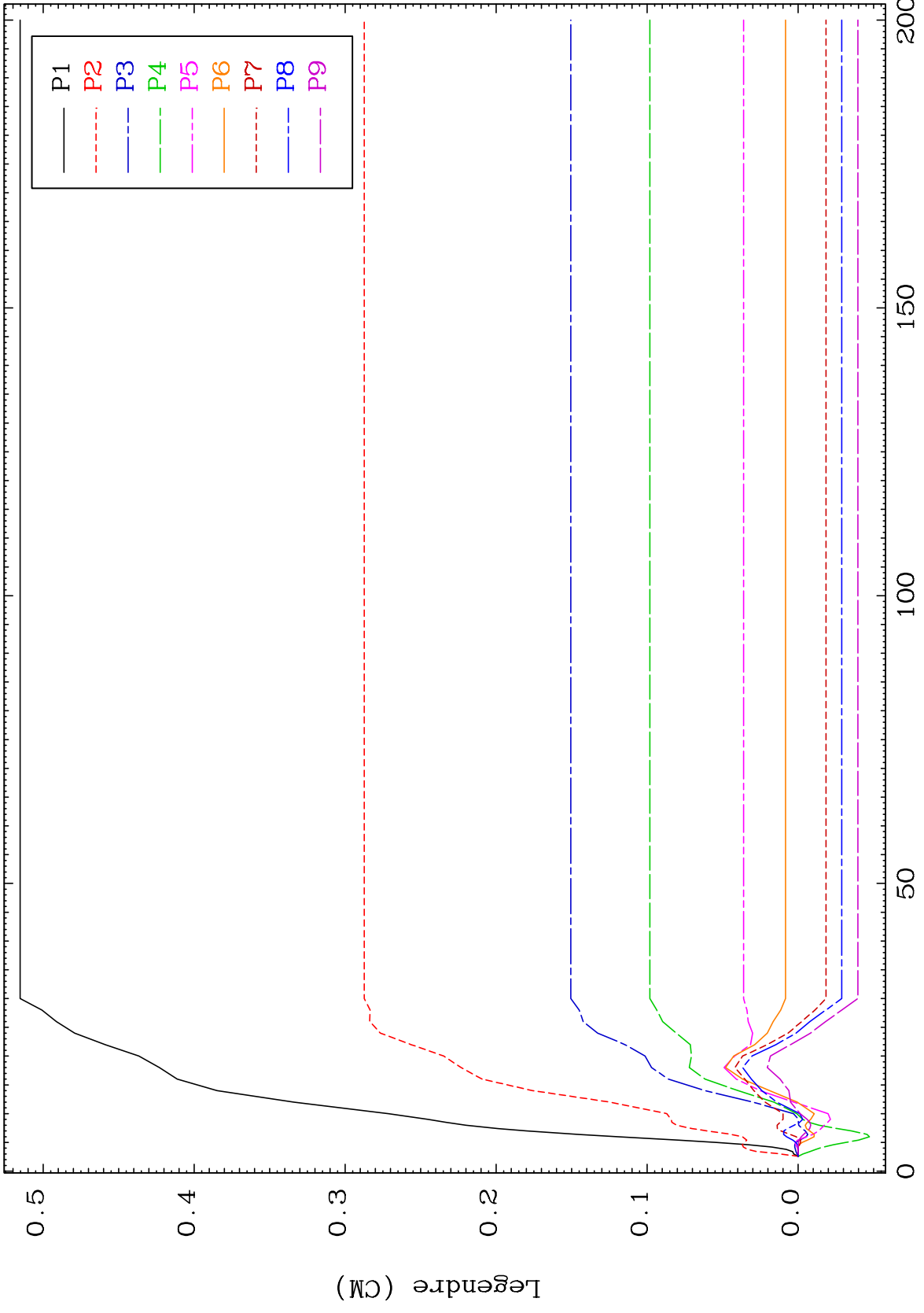
60-Nd-144

Incident Energy (MeV)

102



MAT 6031 MT= 73 (n,n') Level Legendre Coefficients 60-Nd-144

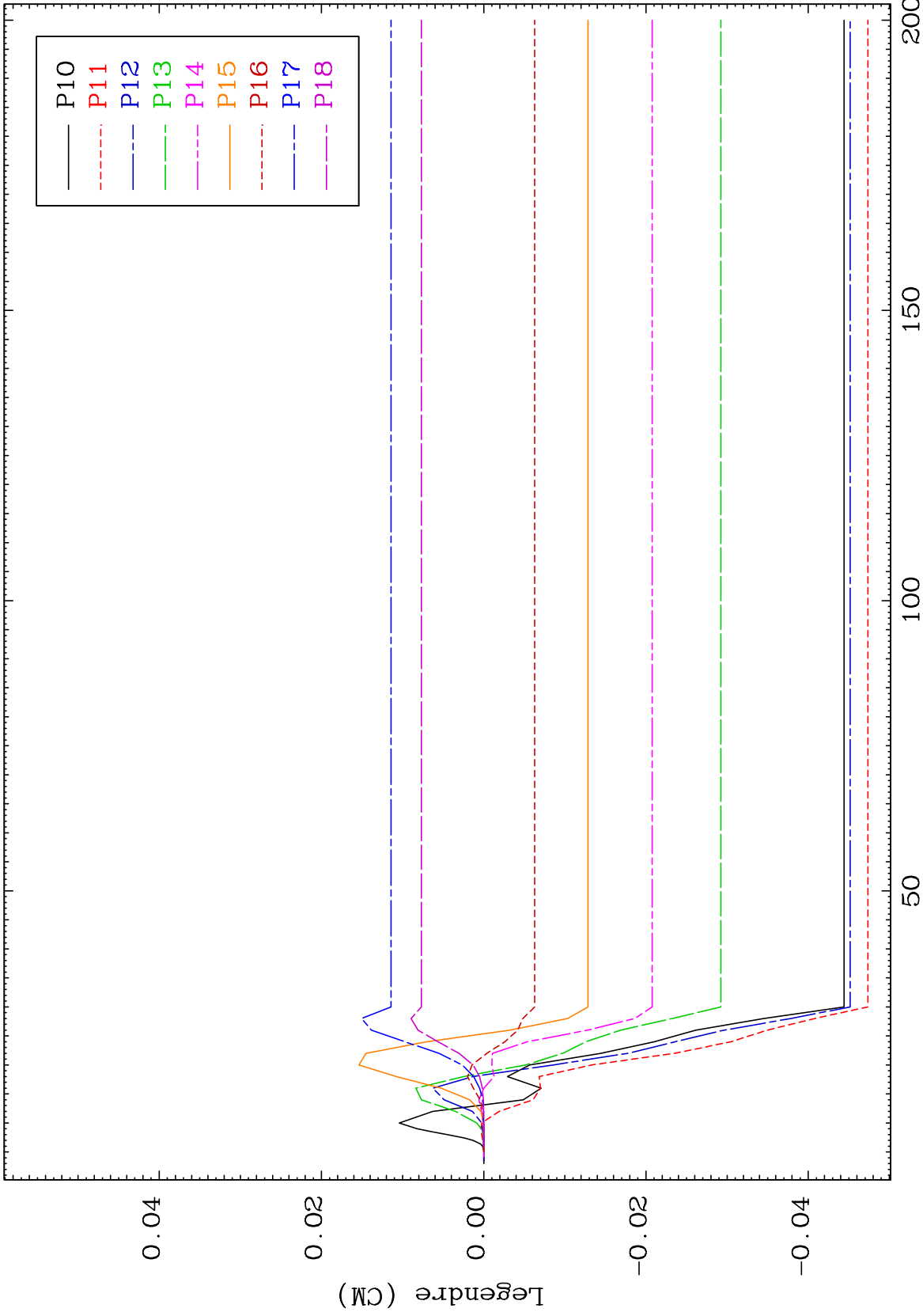


Legendre (CM) Incident Energy (MeV) 60-Nd-144

MAT 6031

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

60-Nd-144



104

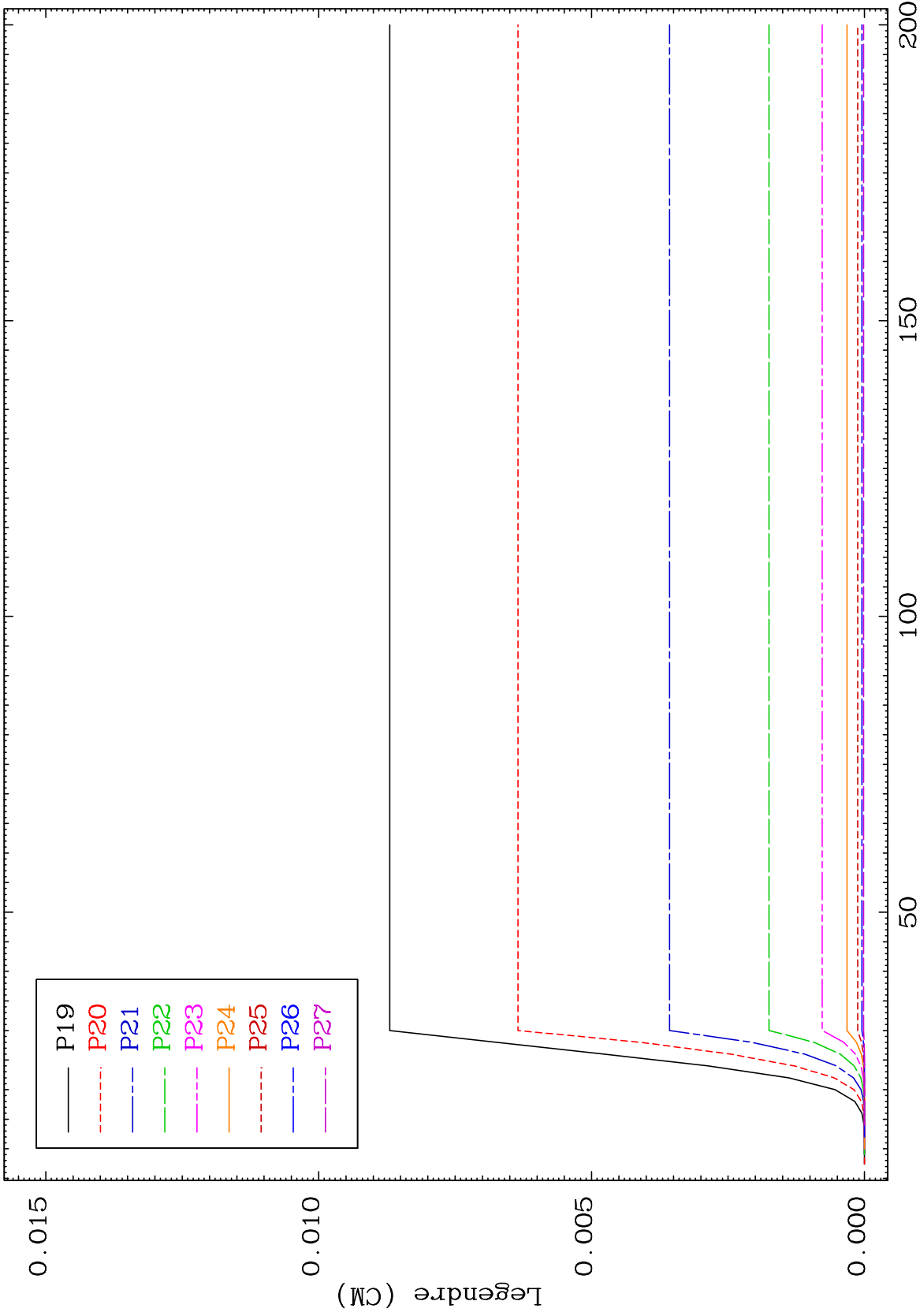
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



105

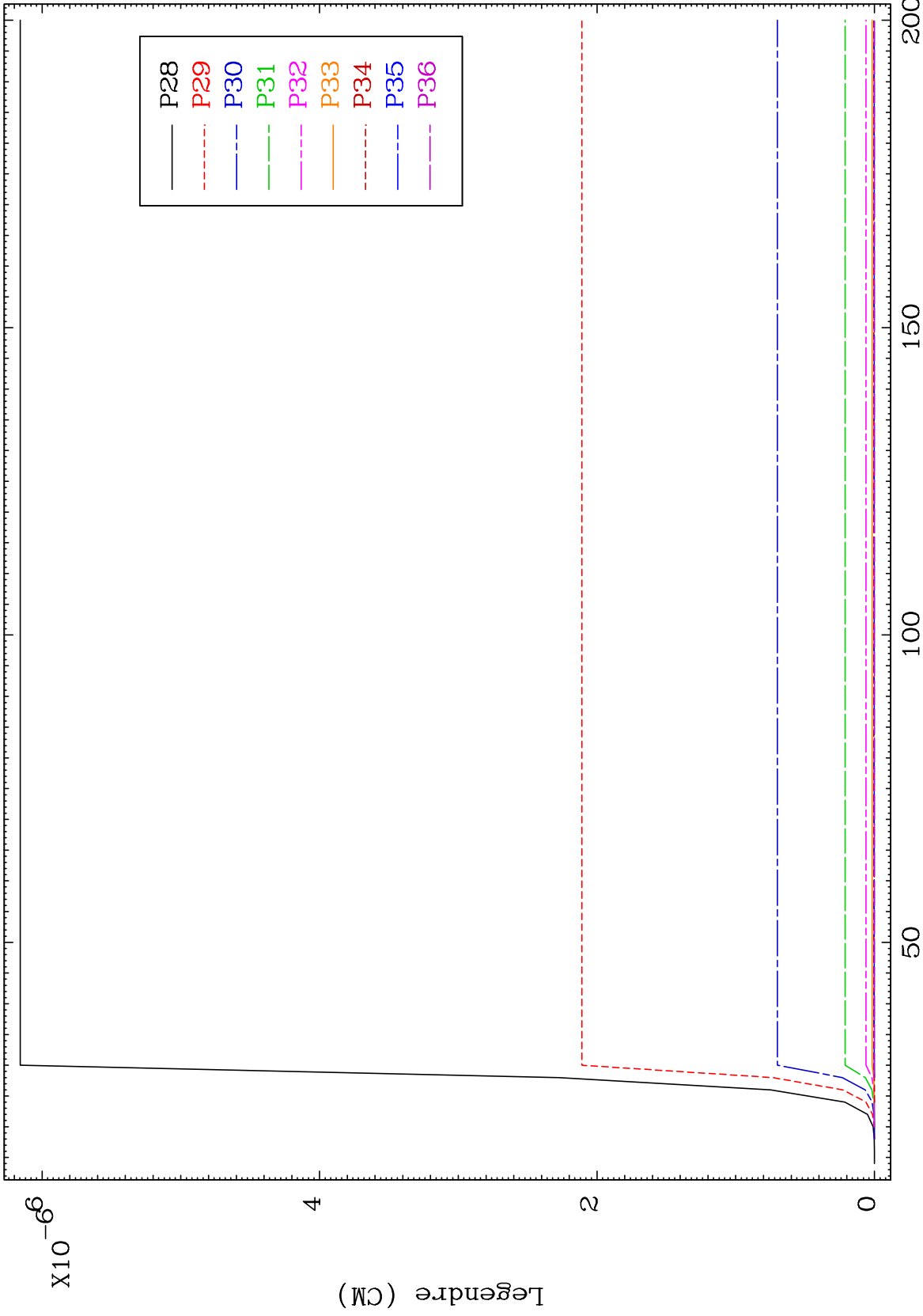
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



106

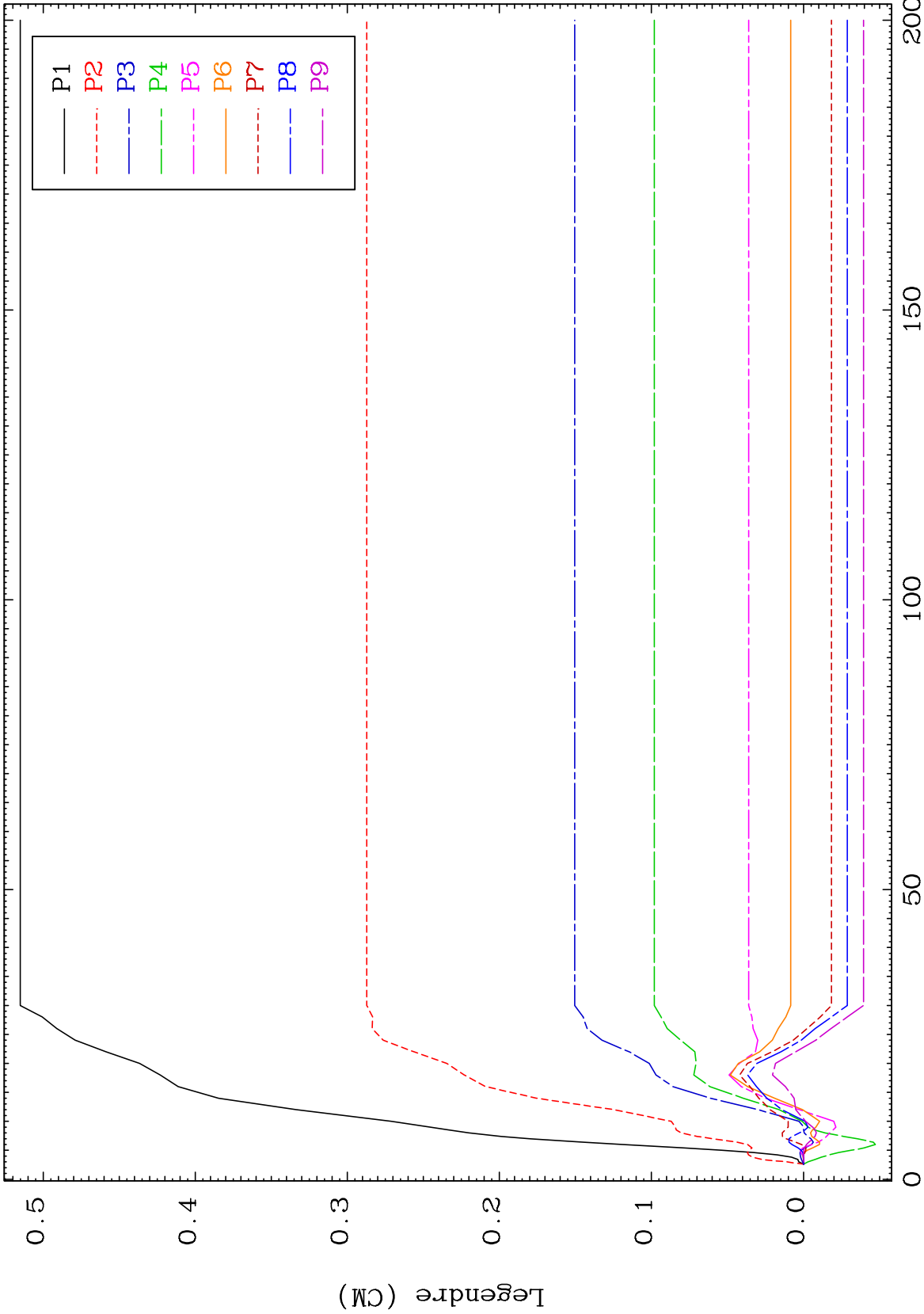
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



107

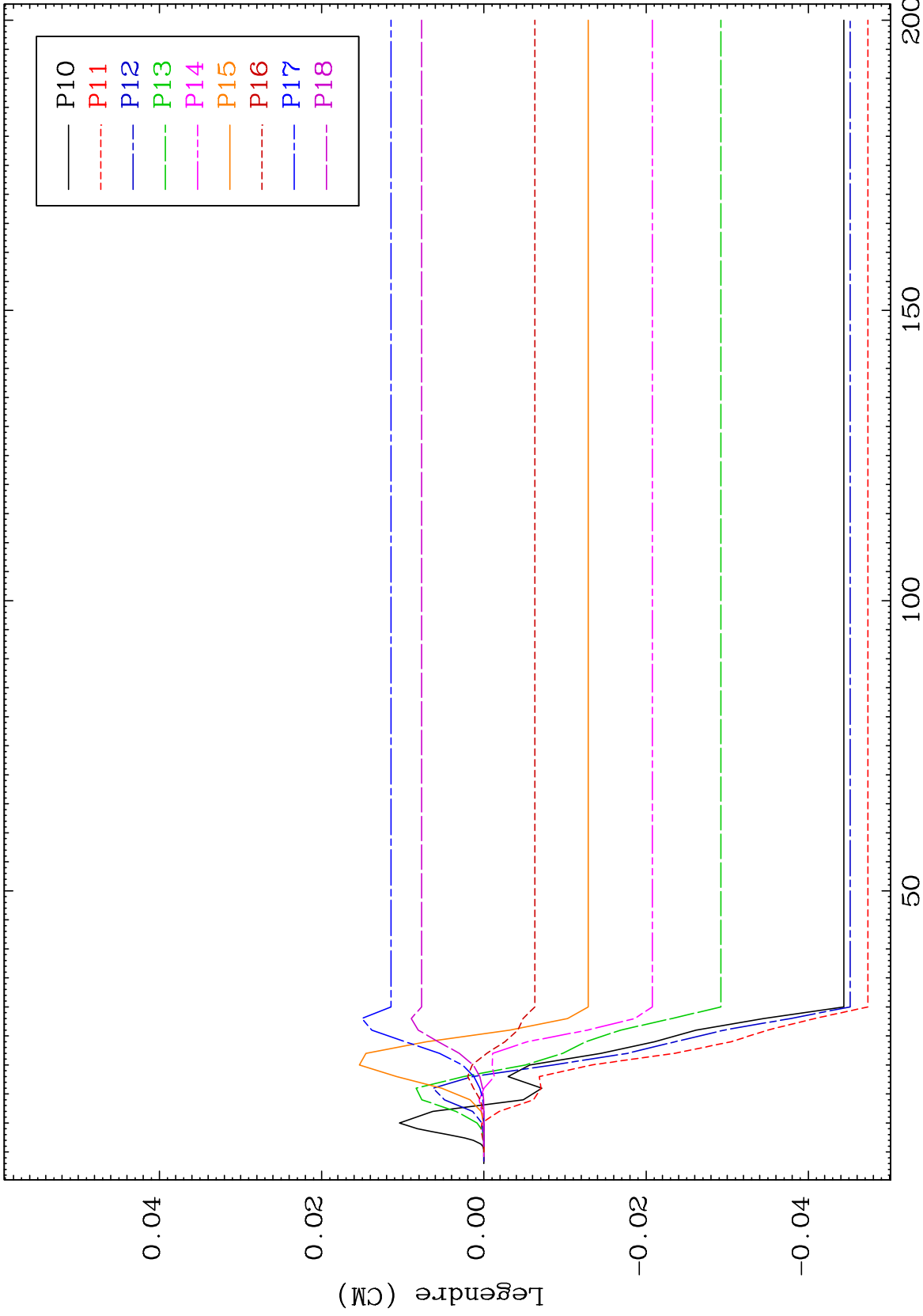
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



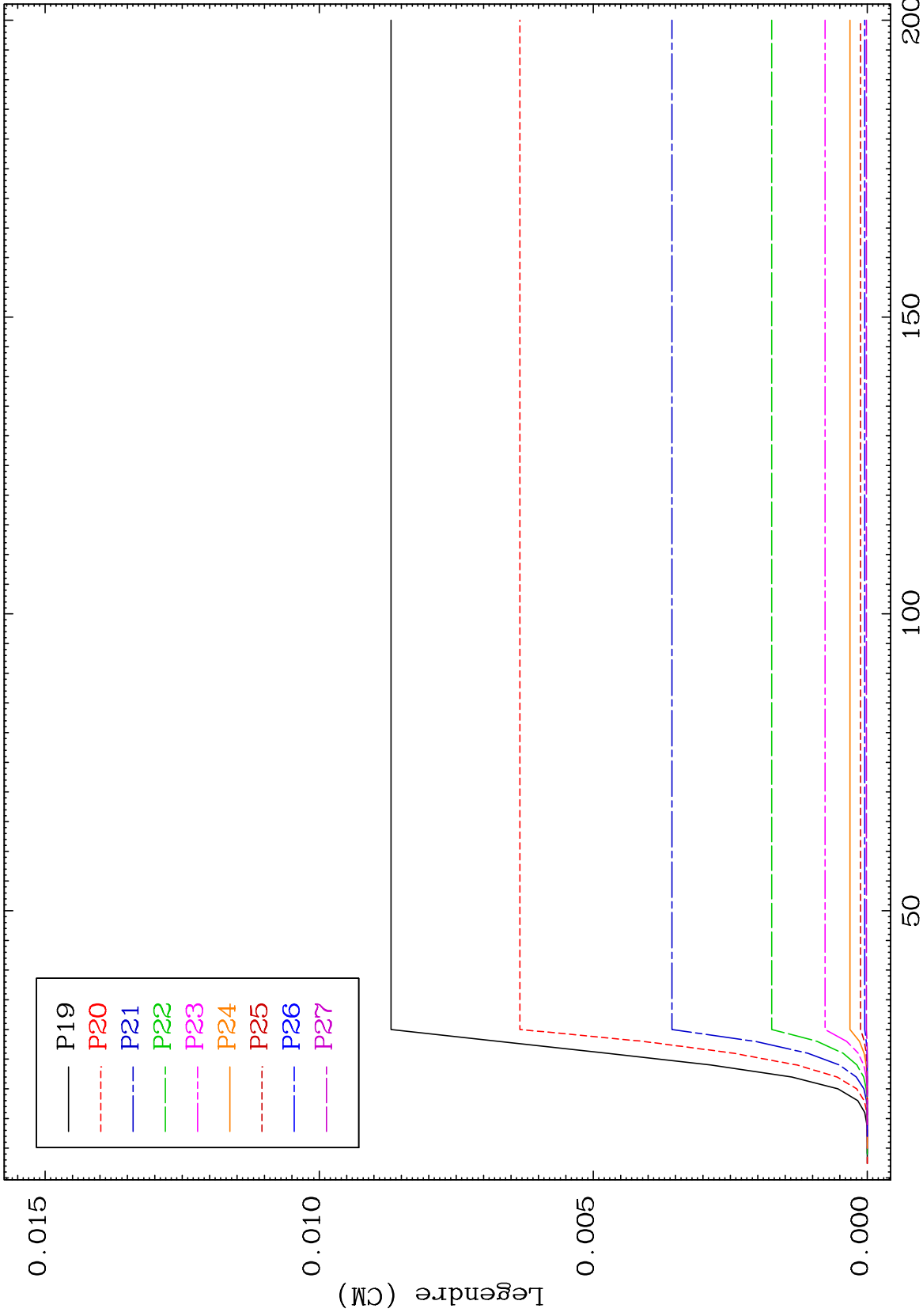
108

60-Nd-144

MAT 6031

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

60-Nd-144



109

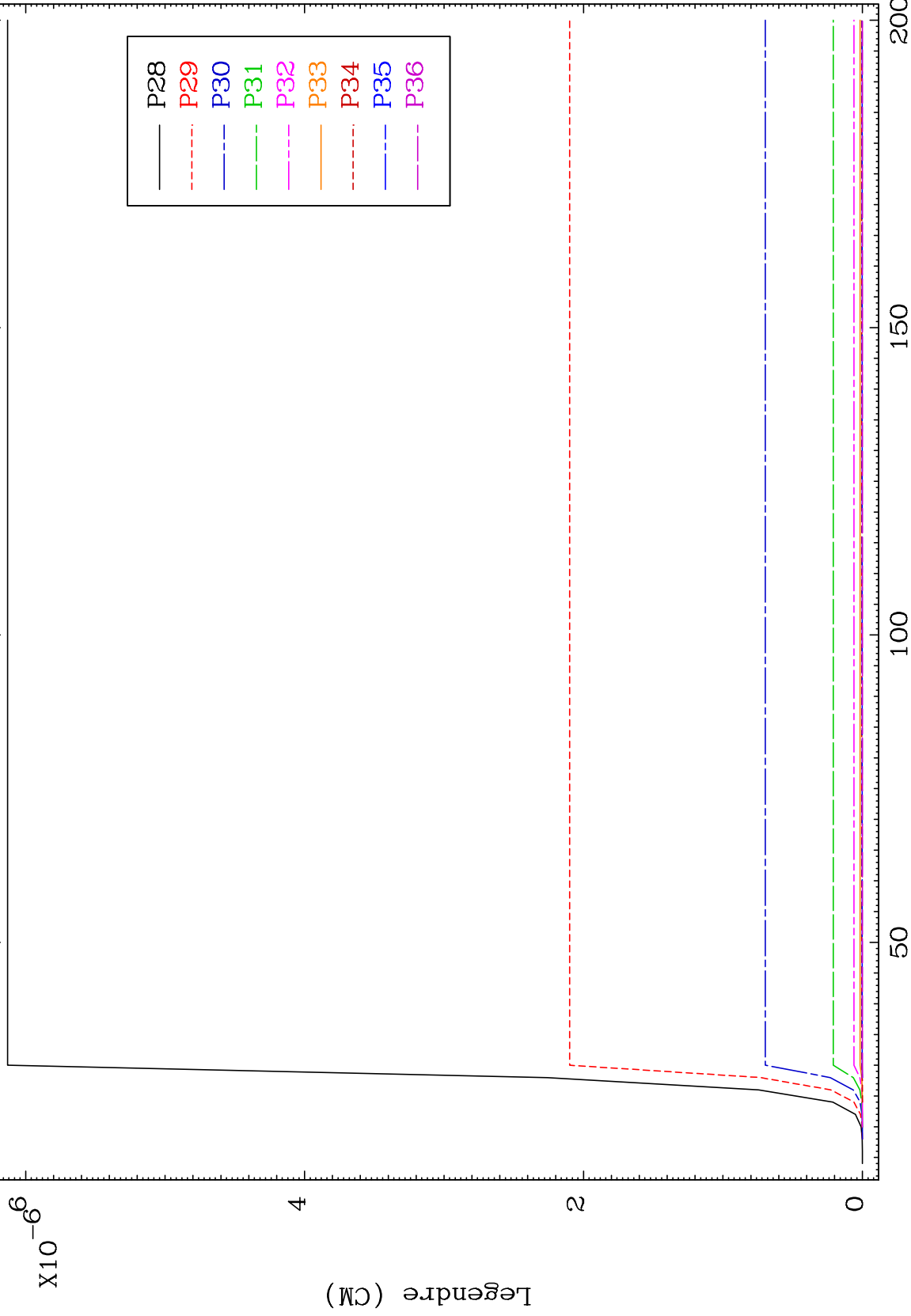
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



110

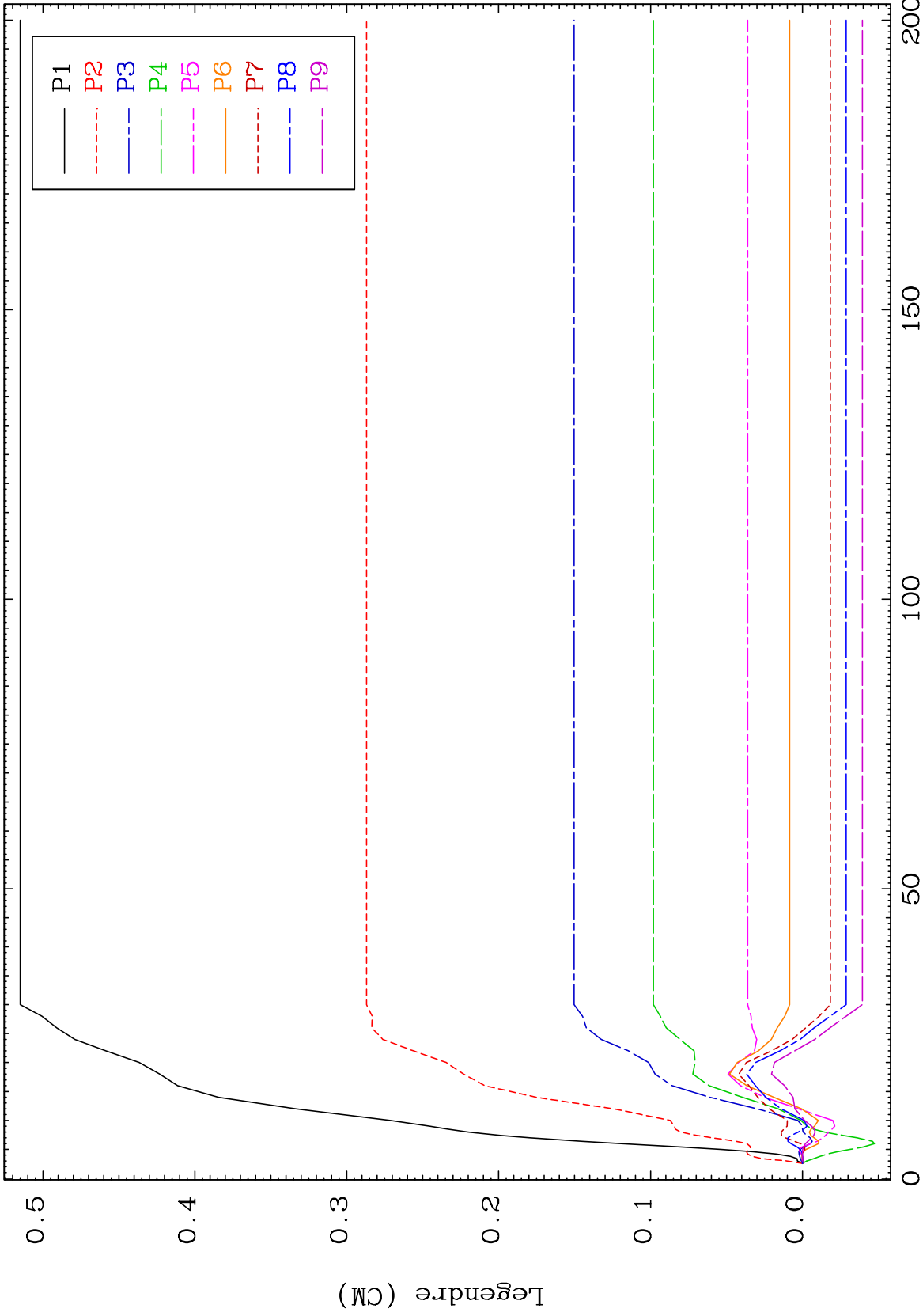
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



60-Nd-144

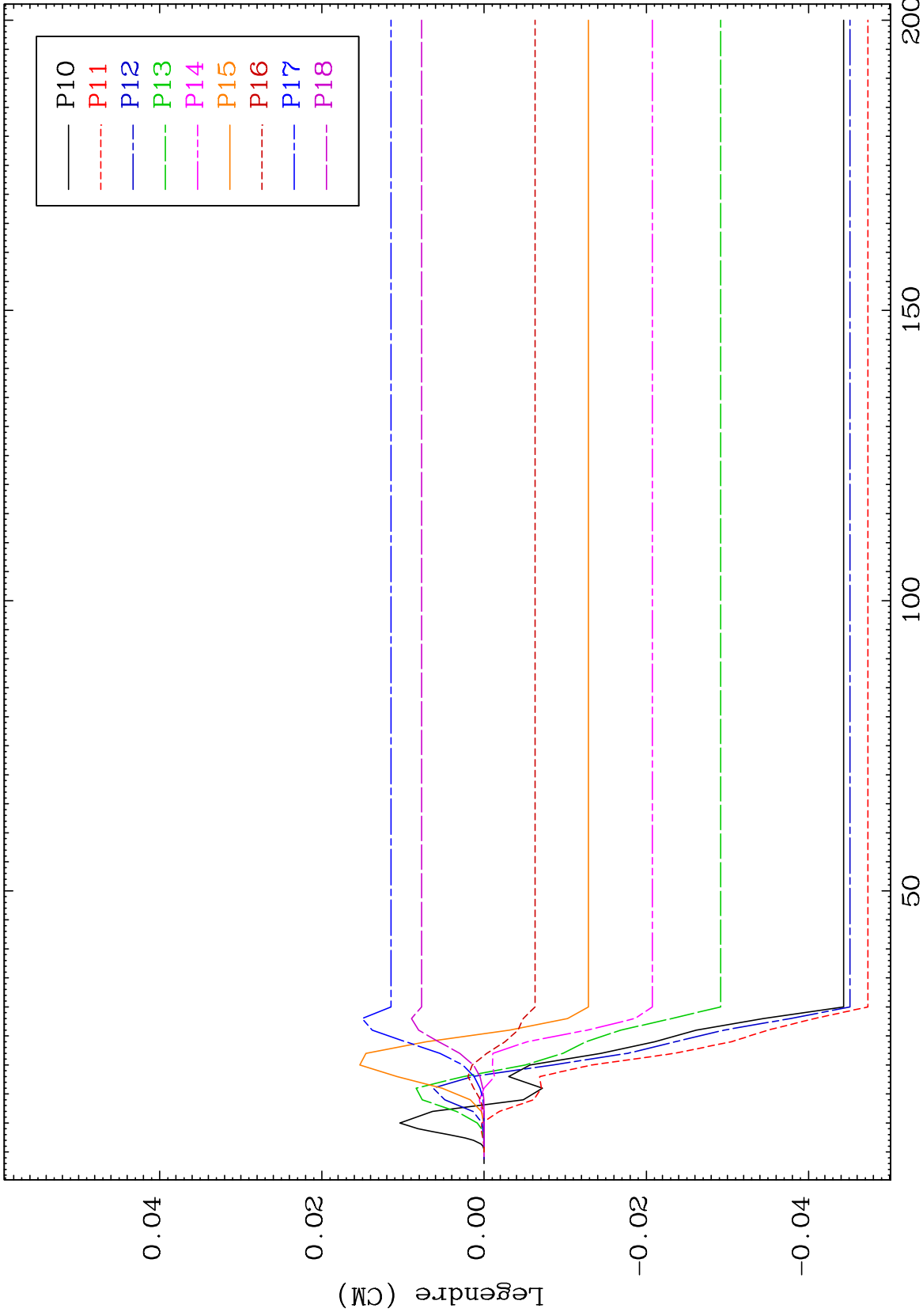
Incident Energy (MeV)

111

MAT 6031

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

60-Nd-144



112

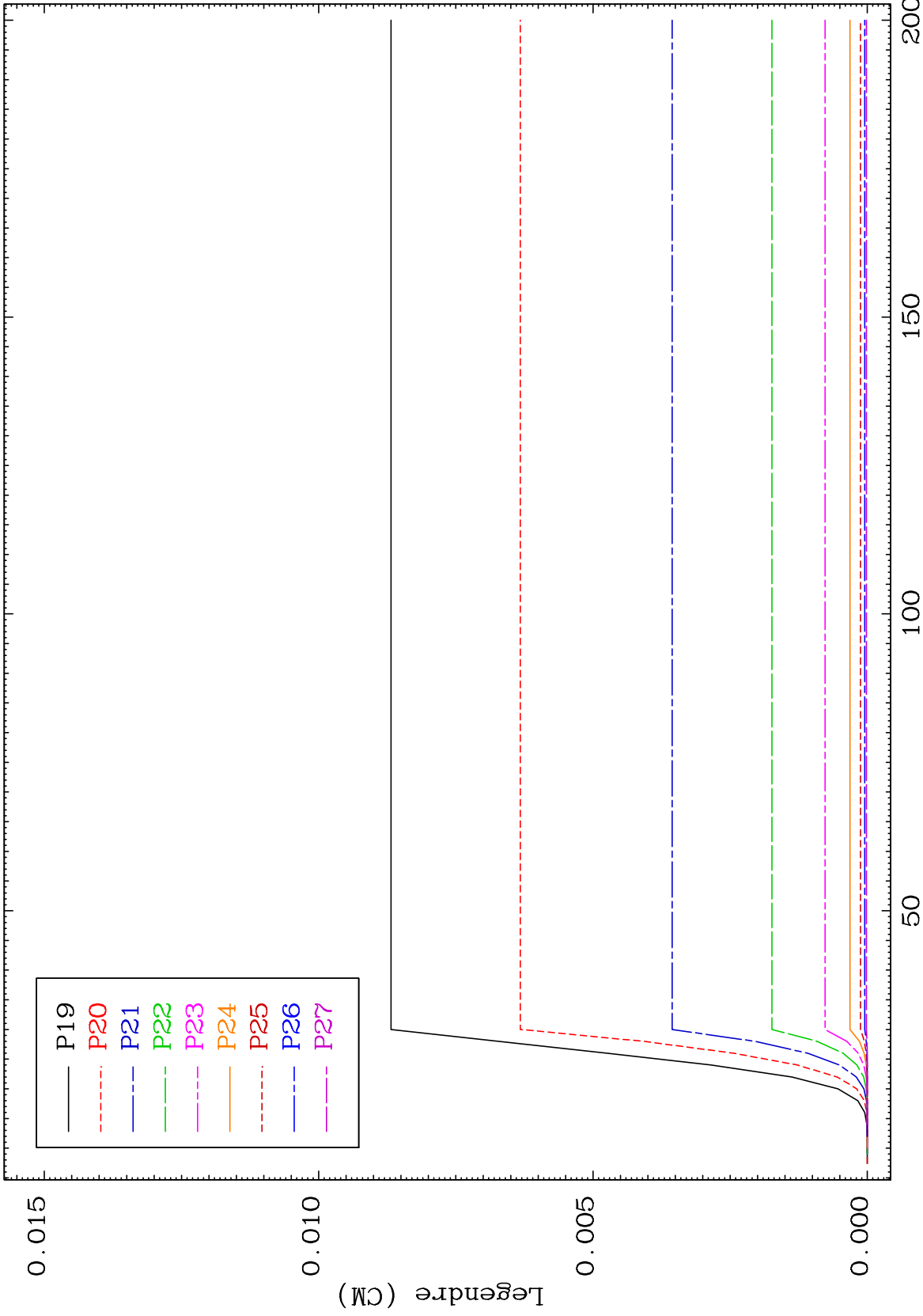
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



113

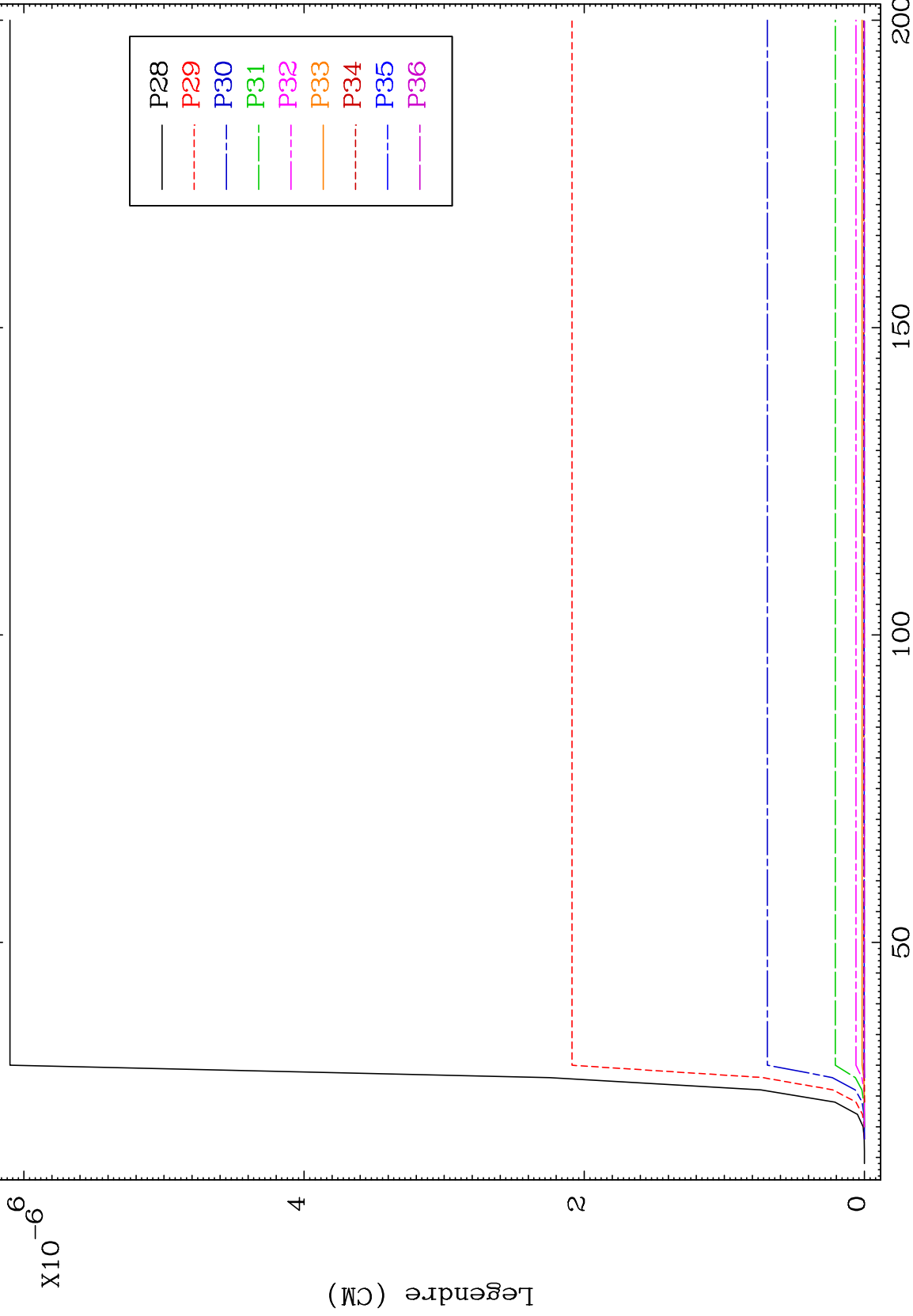
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

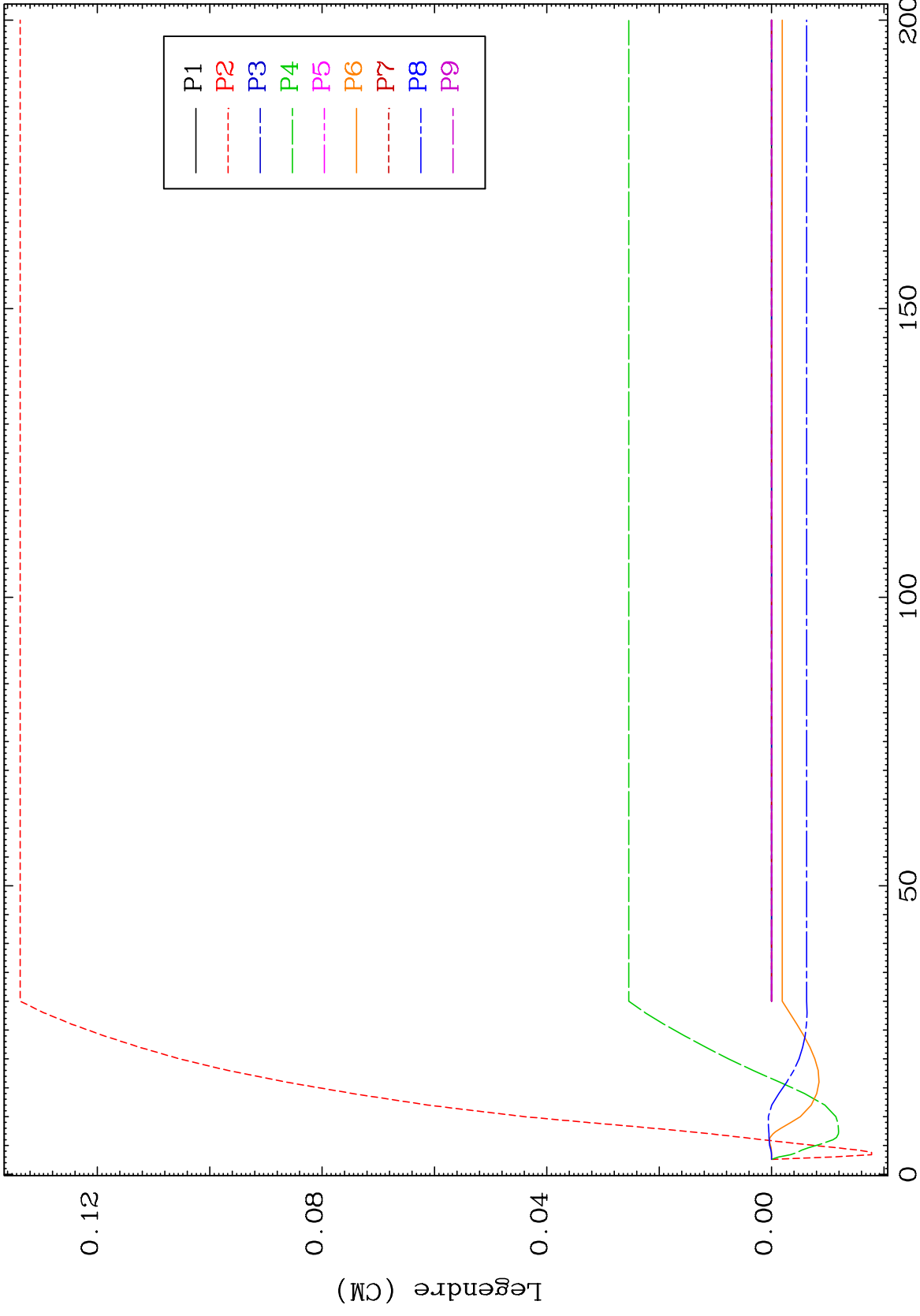
60-Nd-144



114

60-Nd-144

MAT 6031 MT= 76 (n,n') Level Legendre Coefficients 60-Nd-144

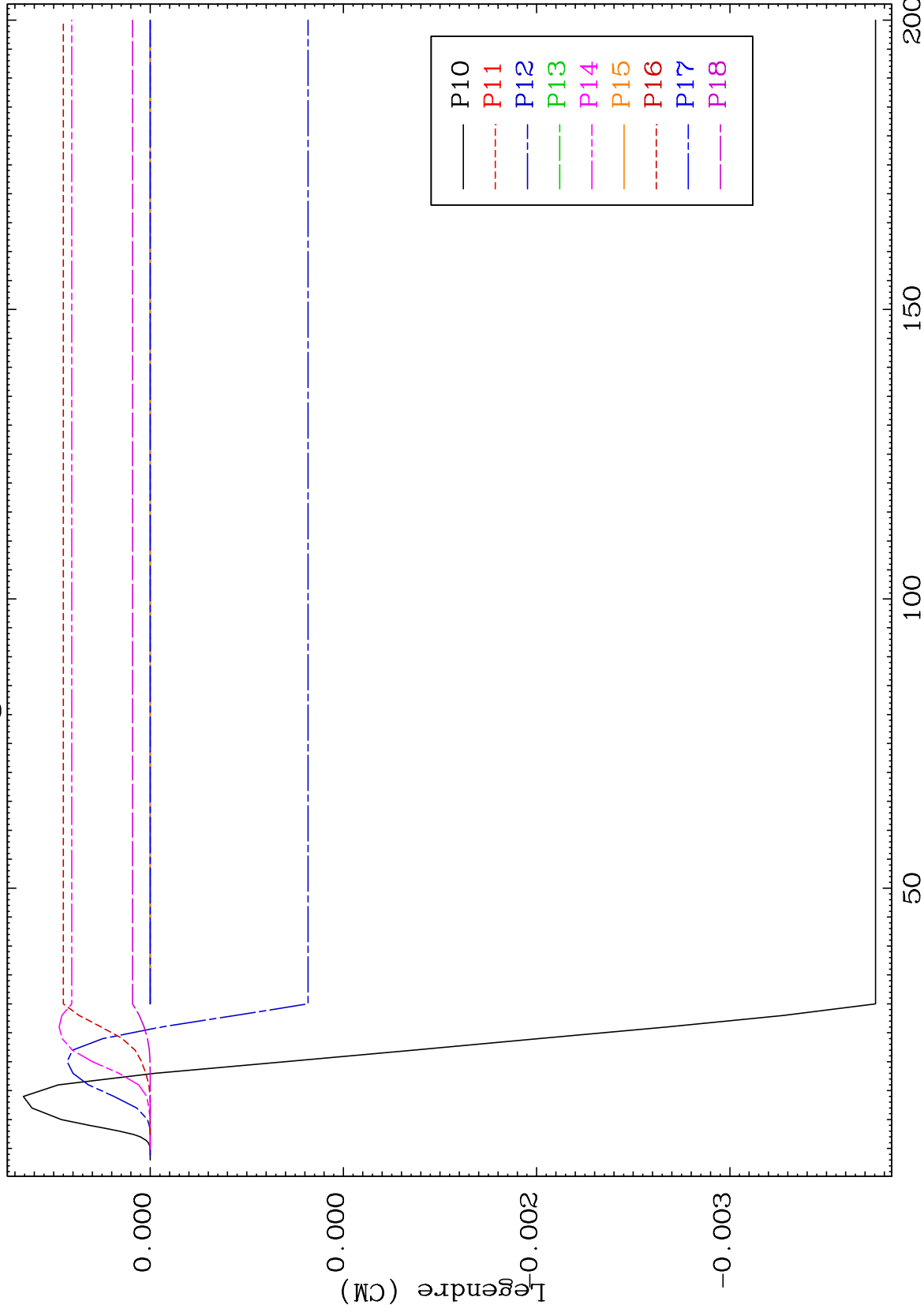


115 Incident Energy (MeV) 60-Nd-144

MAT 6031

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

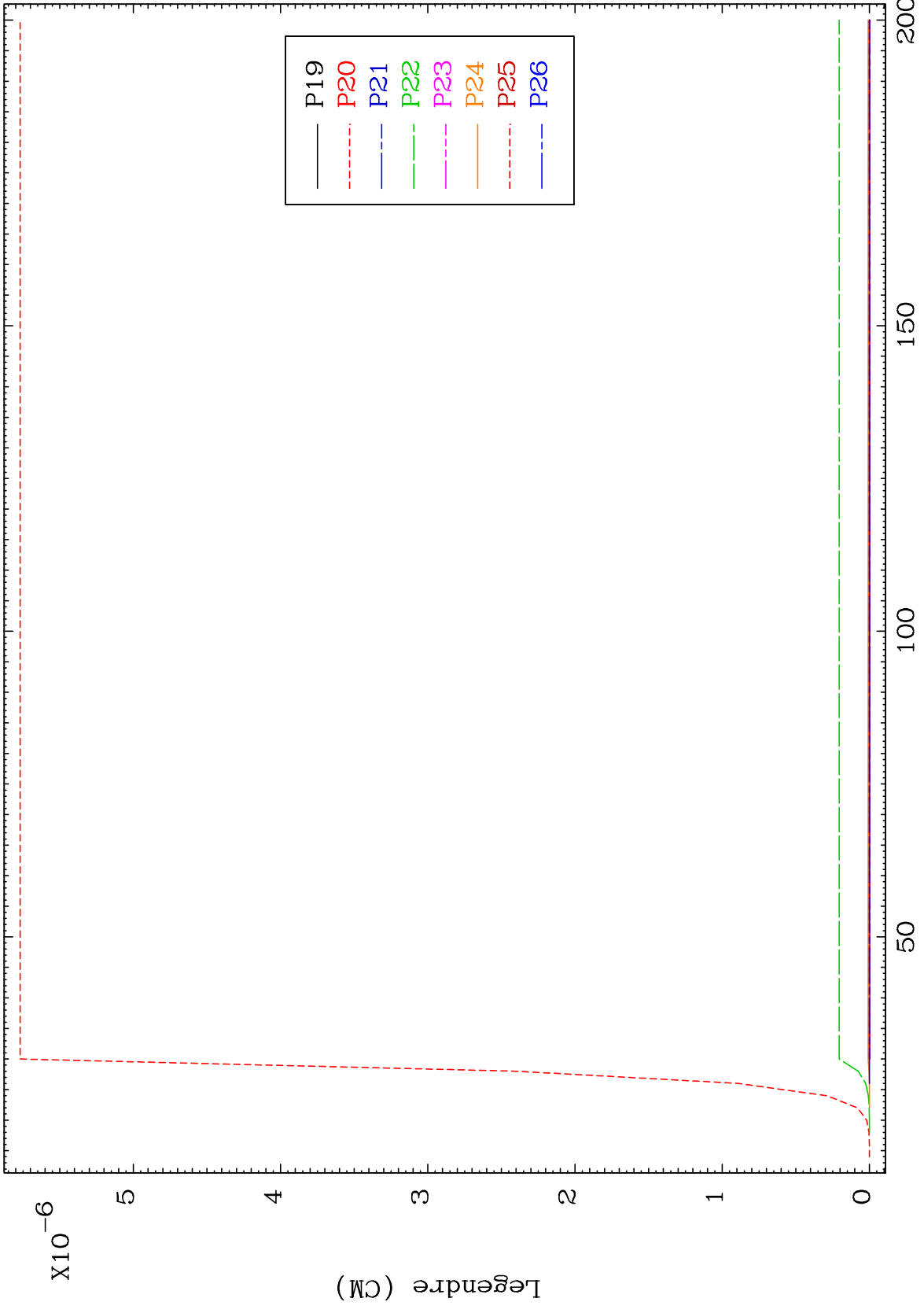
60-Nd-144



116

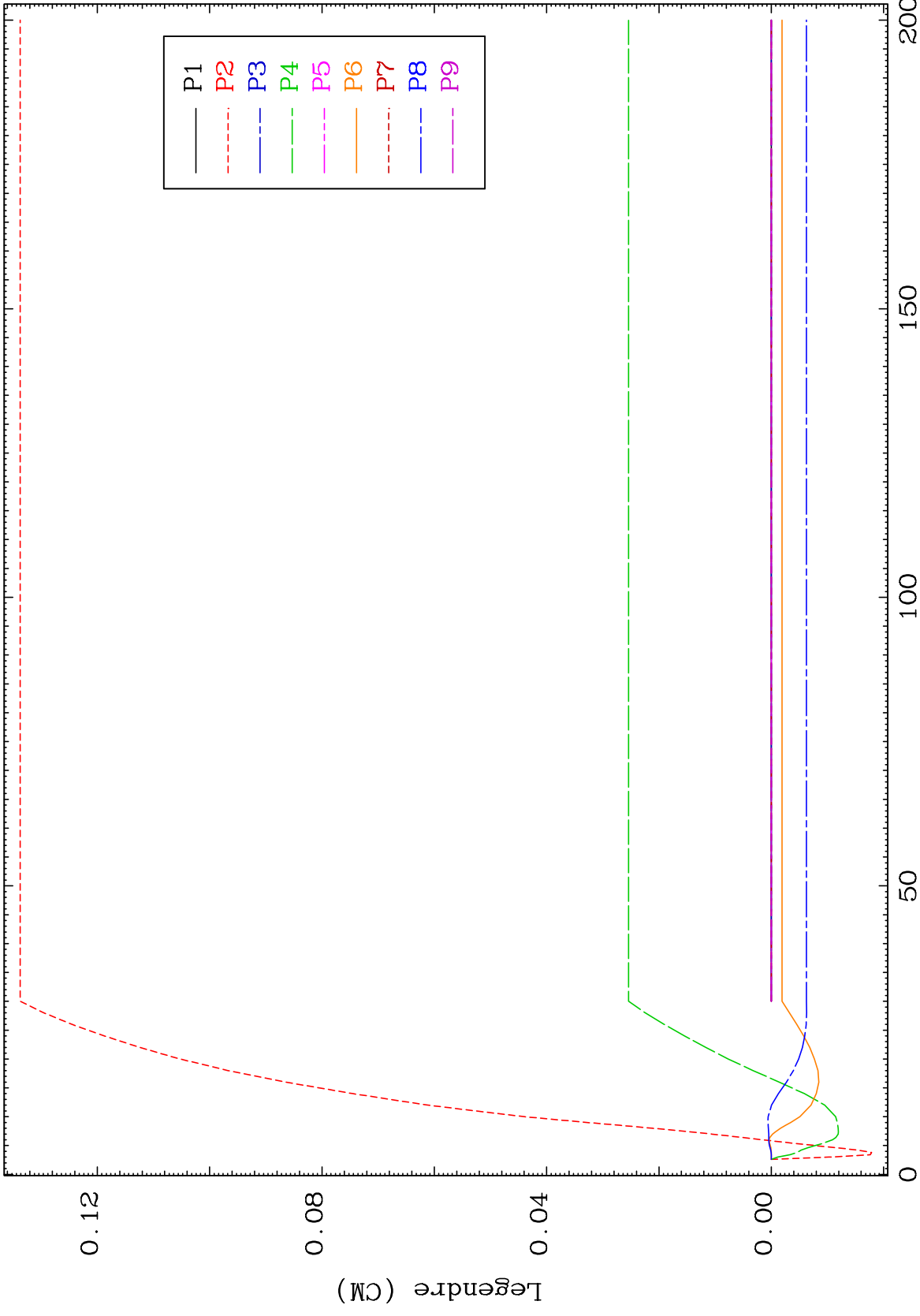
60-Nd-144

MAT 6031 MT= 76 (n,n') Level Legendre Coefficients 60-Nd-144



117 60-Nd-144

MAT 6031 MT= 77 (n,n') Level Legendre Coefficients 60-Nd-144

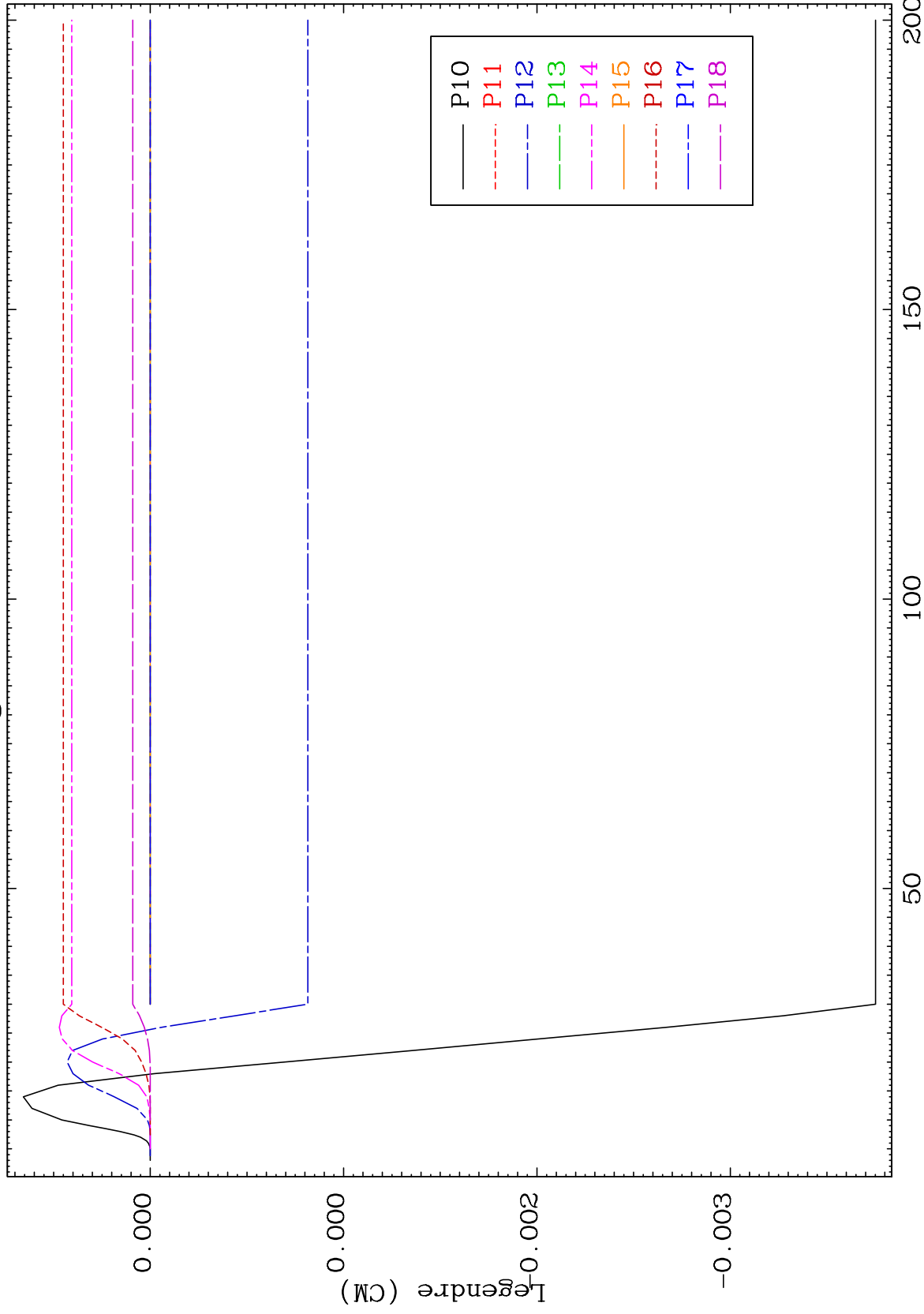


118 60-Nd-144

MAT 6031

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

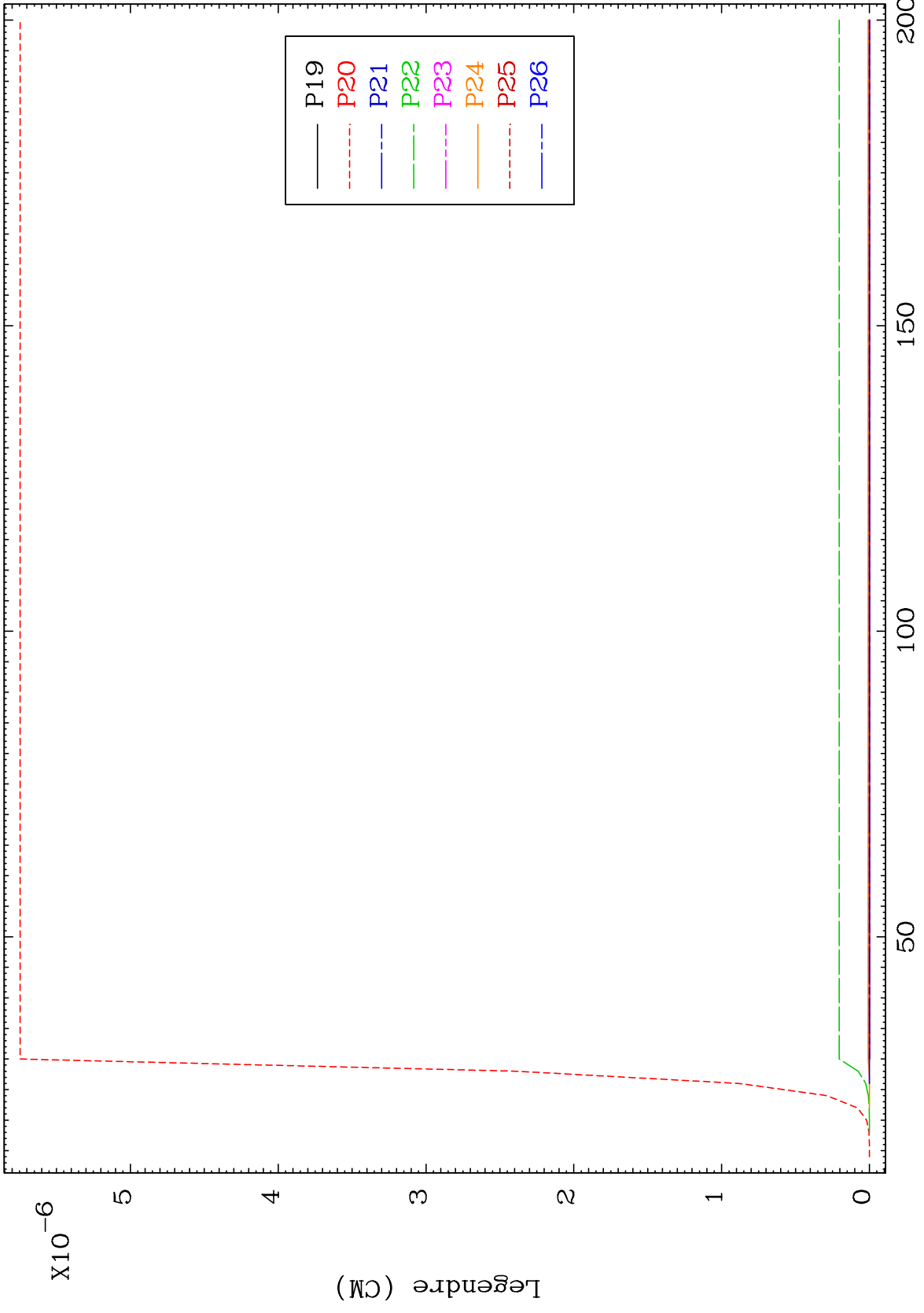
60-Nd-144



119

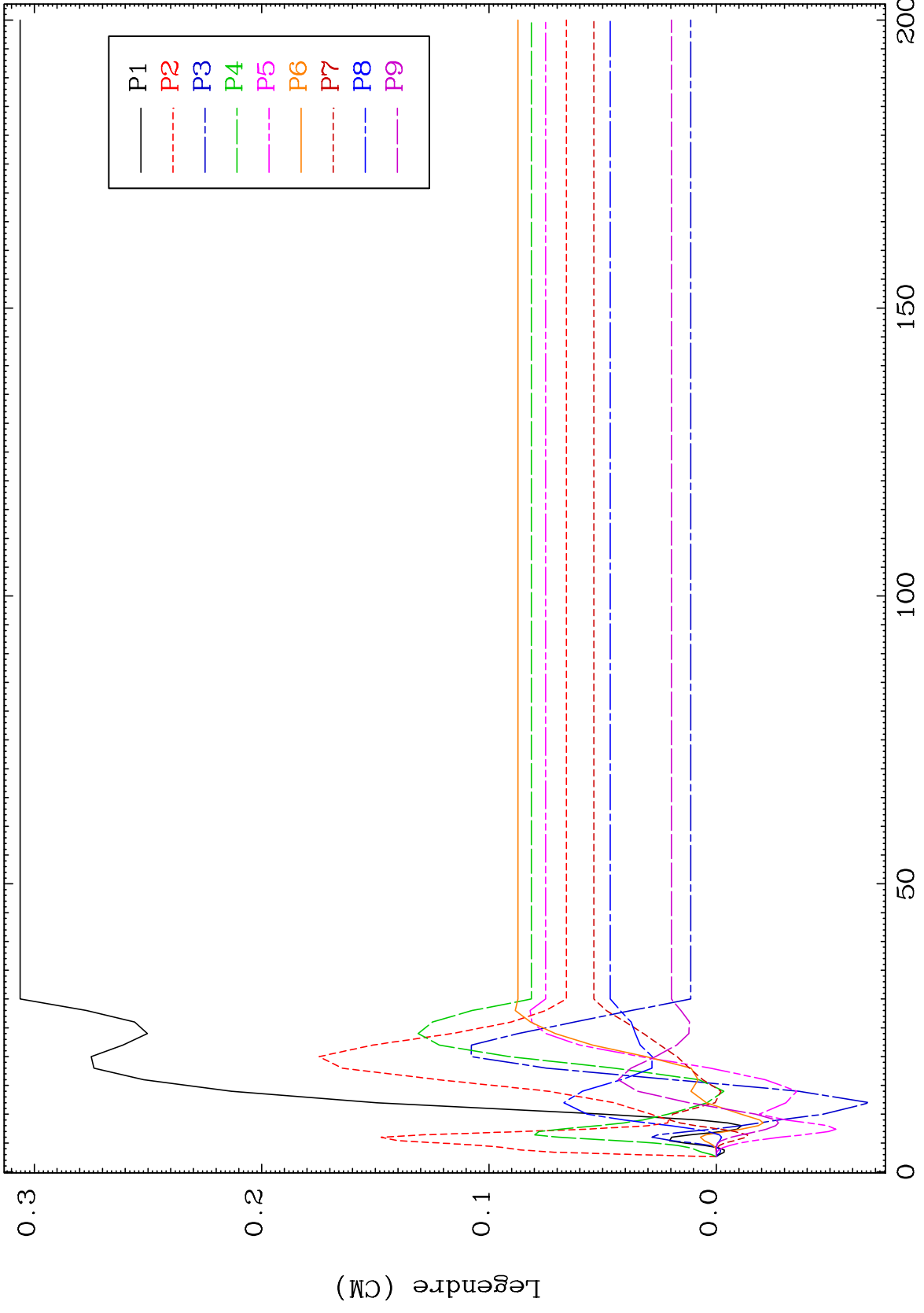
60-Nd-144

MAT 6031 MT= 77 (n,n') Level Legendre Coefficients 60-Nd-144



60-Nd-144

MAT 6031 MT= 78 (n,n') Level Legendre Coefficients 60-Nd-144

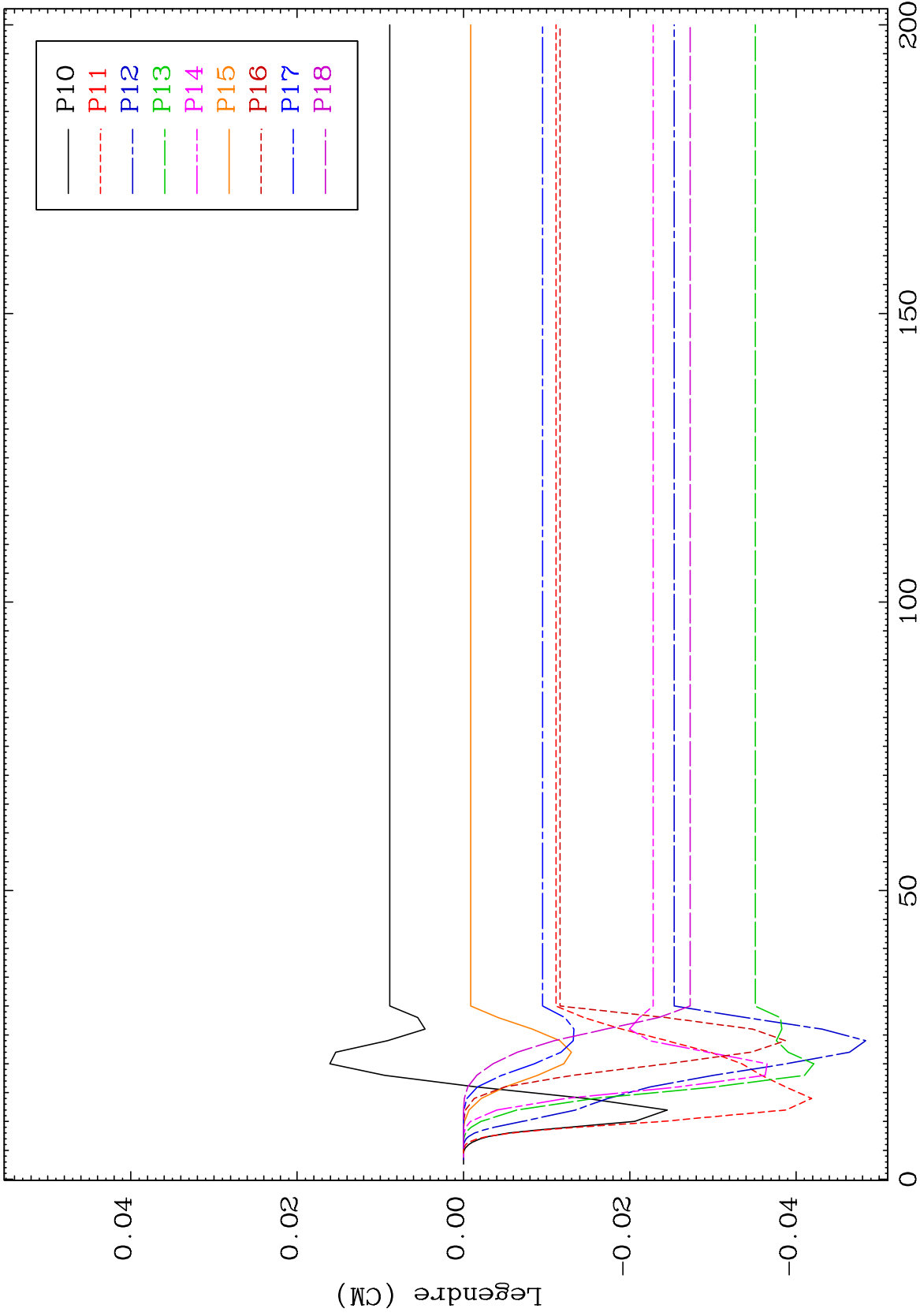


121 60-Nd-144

MAT 6031

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

60-Nd-144

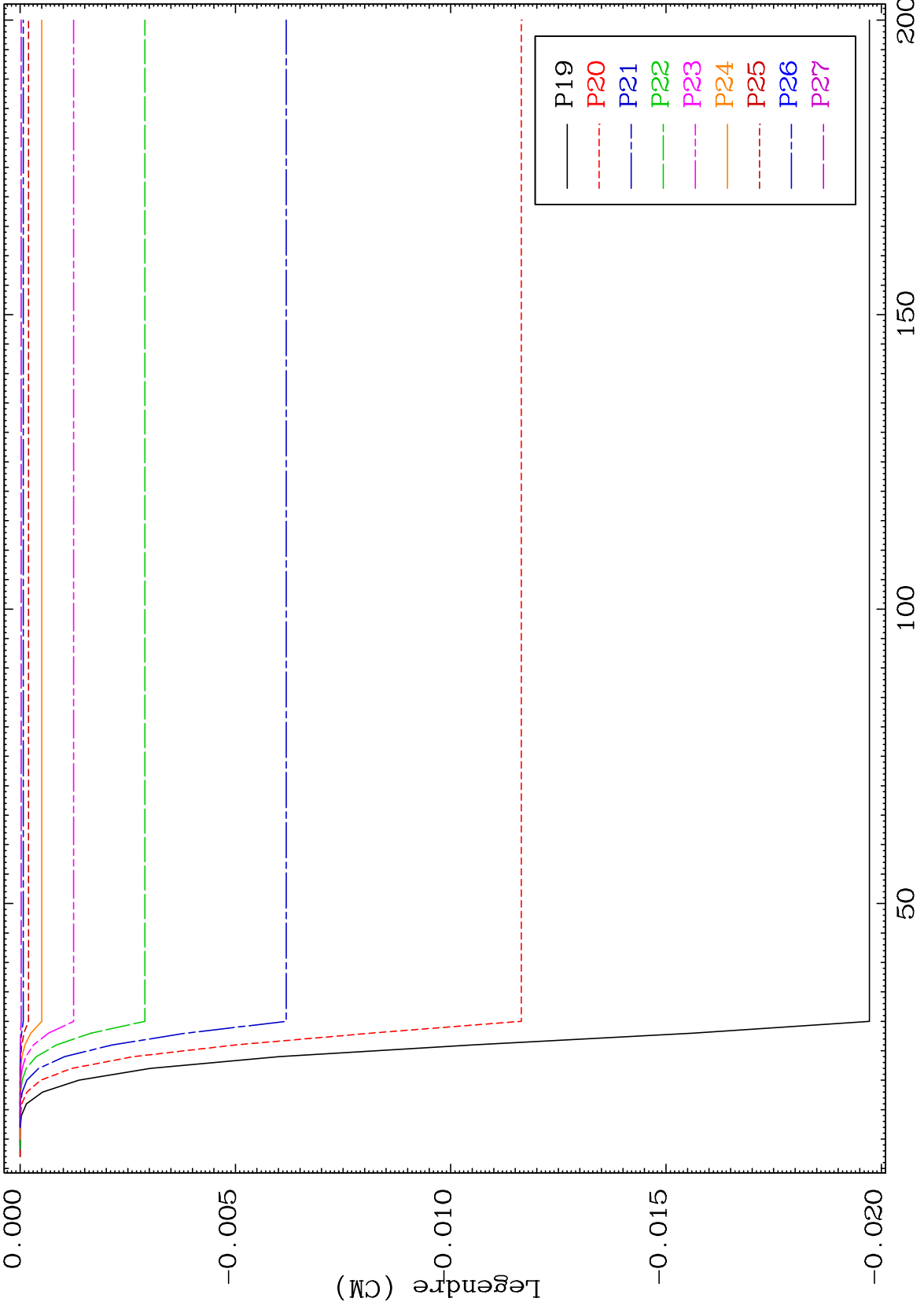


122

Incident Energy (MeV)

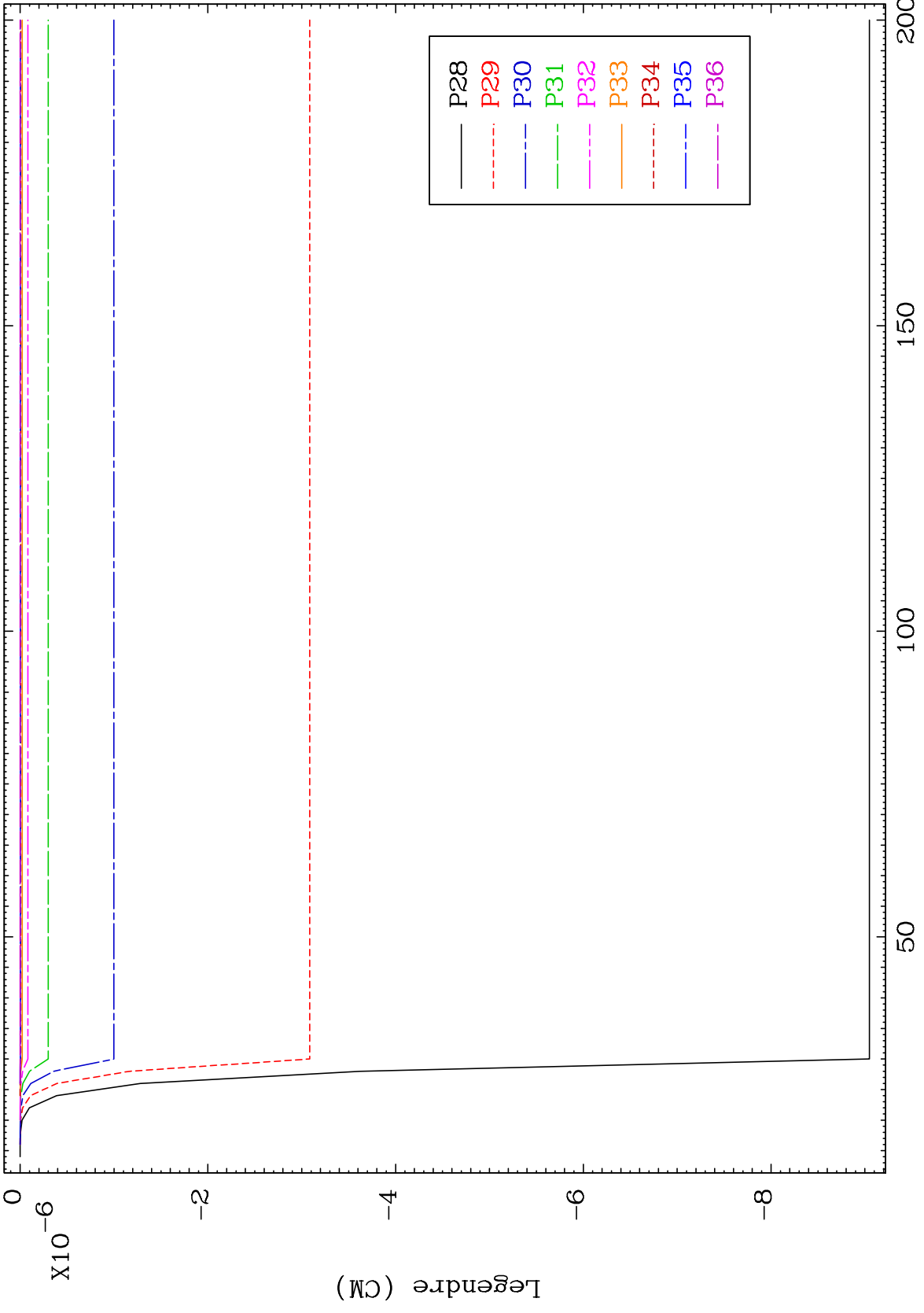
60-Nd-144

MAT 6031 MT= 78 (n,n') Level Legendre Coefficients 60-Nd-144



123 60-Nd-144

MAT 6031 MT= 78 (n,n') Level Legendre Coefficients 60-Nd-144

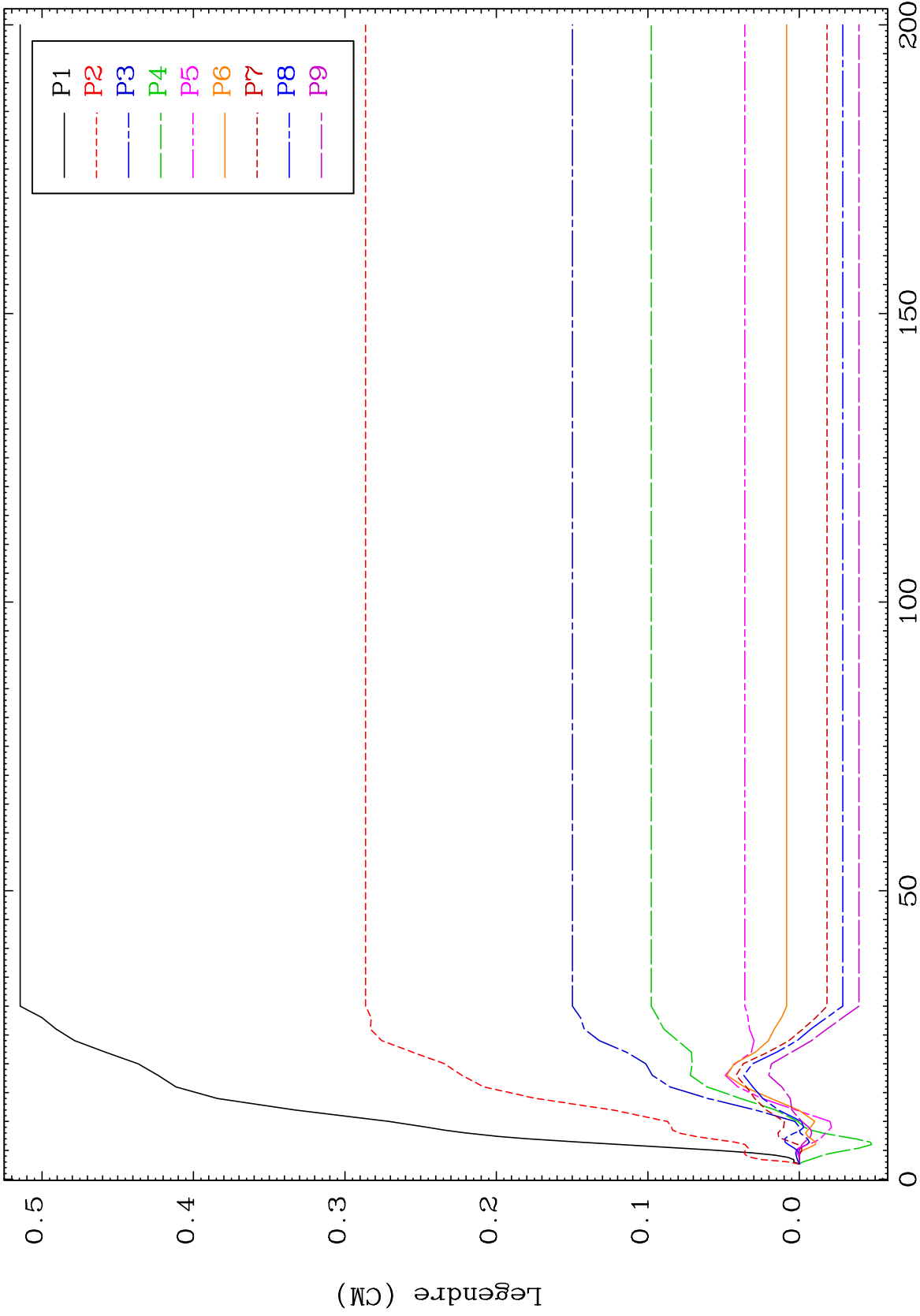


124 60-Nd-144

MAT 6031

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

60-Nd-144



60-Nd-144

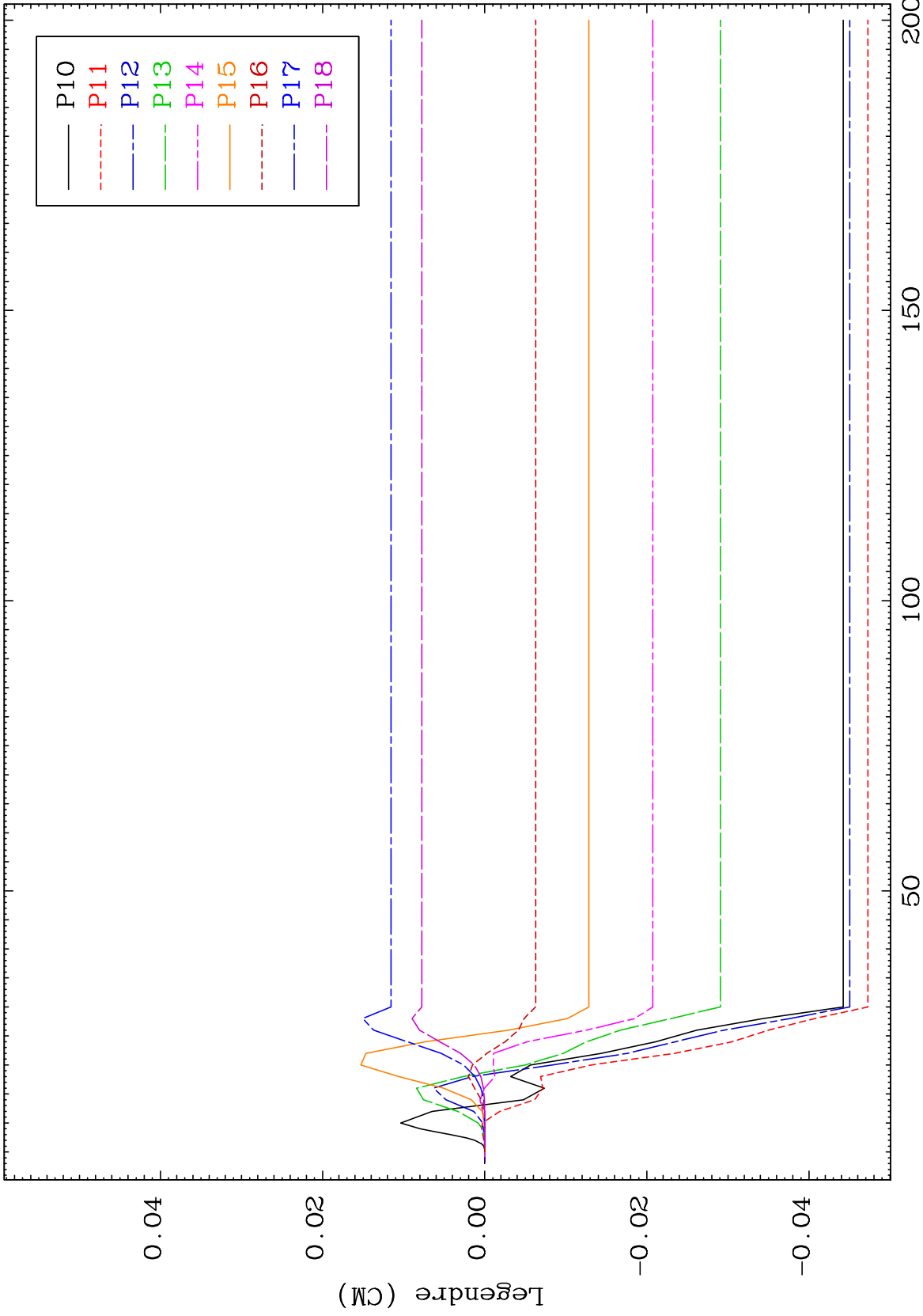
Incident Energy (MeV)

125

MAT 6031

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

60-Nd-144



126

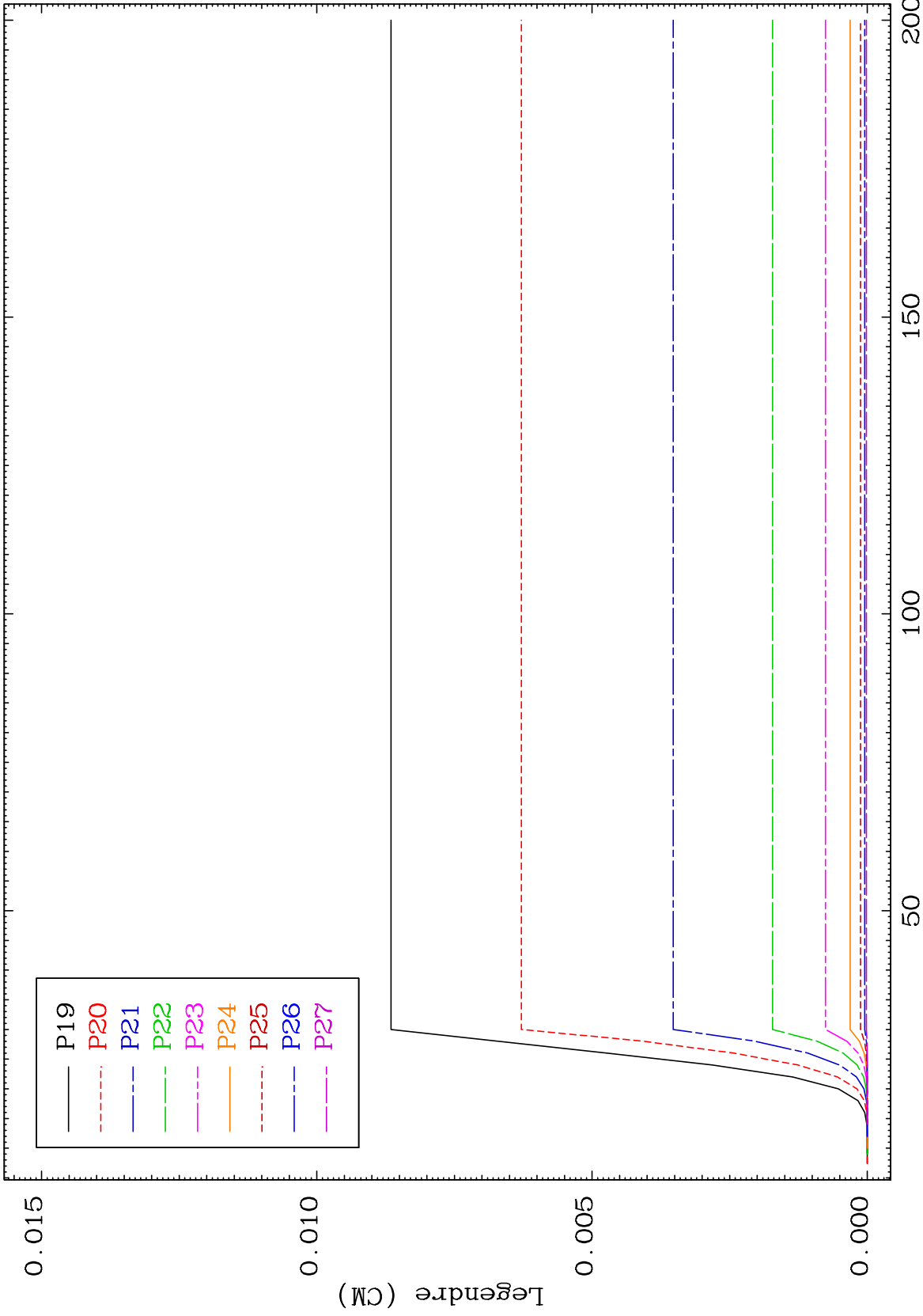
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



127

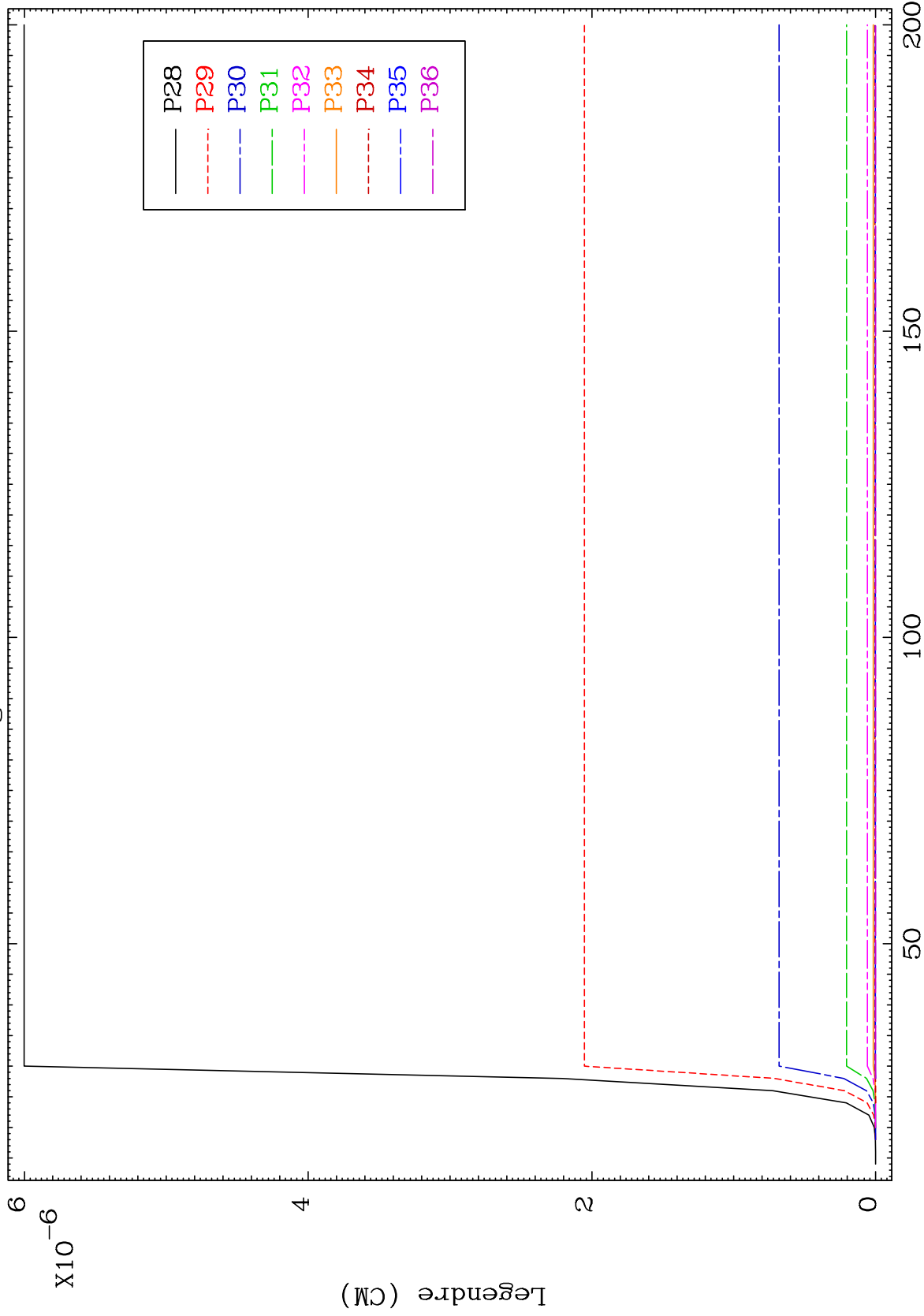
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

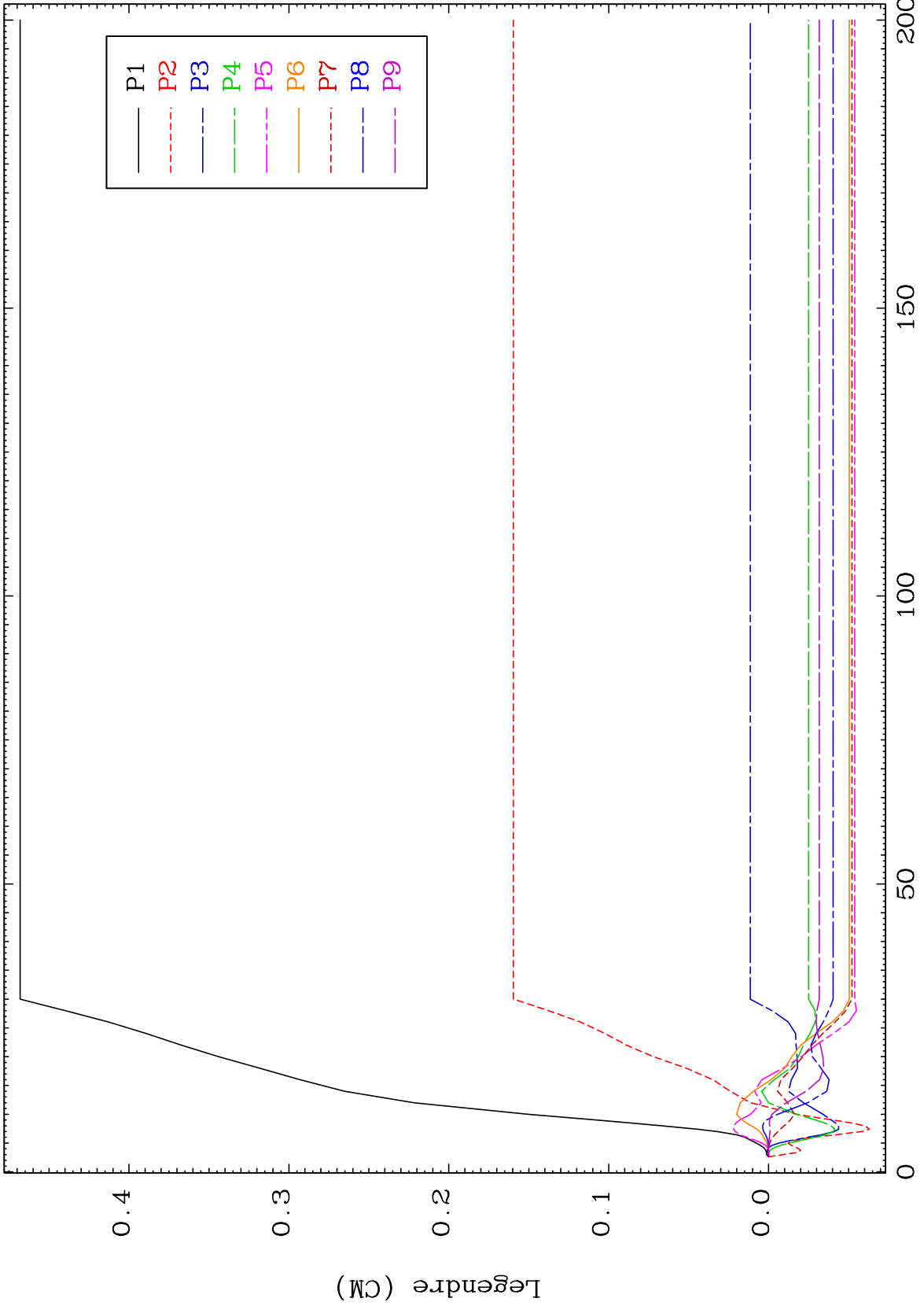
60-Nd-144



128

60-Nd-144

MAT 6031 MT= 80 (n,n') Level Legendre Coefficients 60-Nd-144

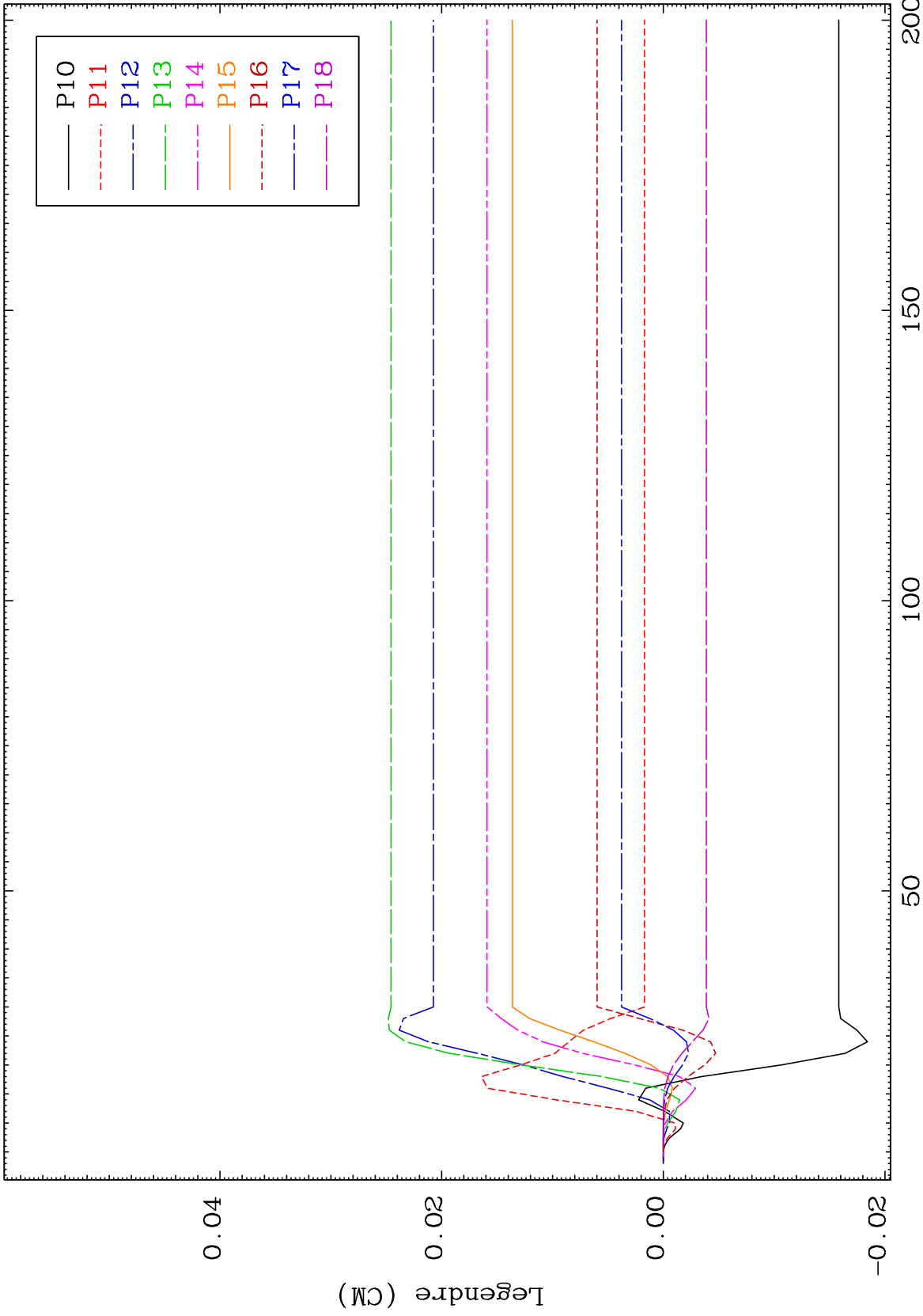


129 Incident Energy (MeV) 60-Nd-144

MAT 6031

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

60-Nd-144



130

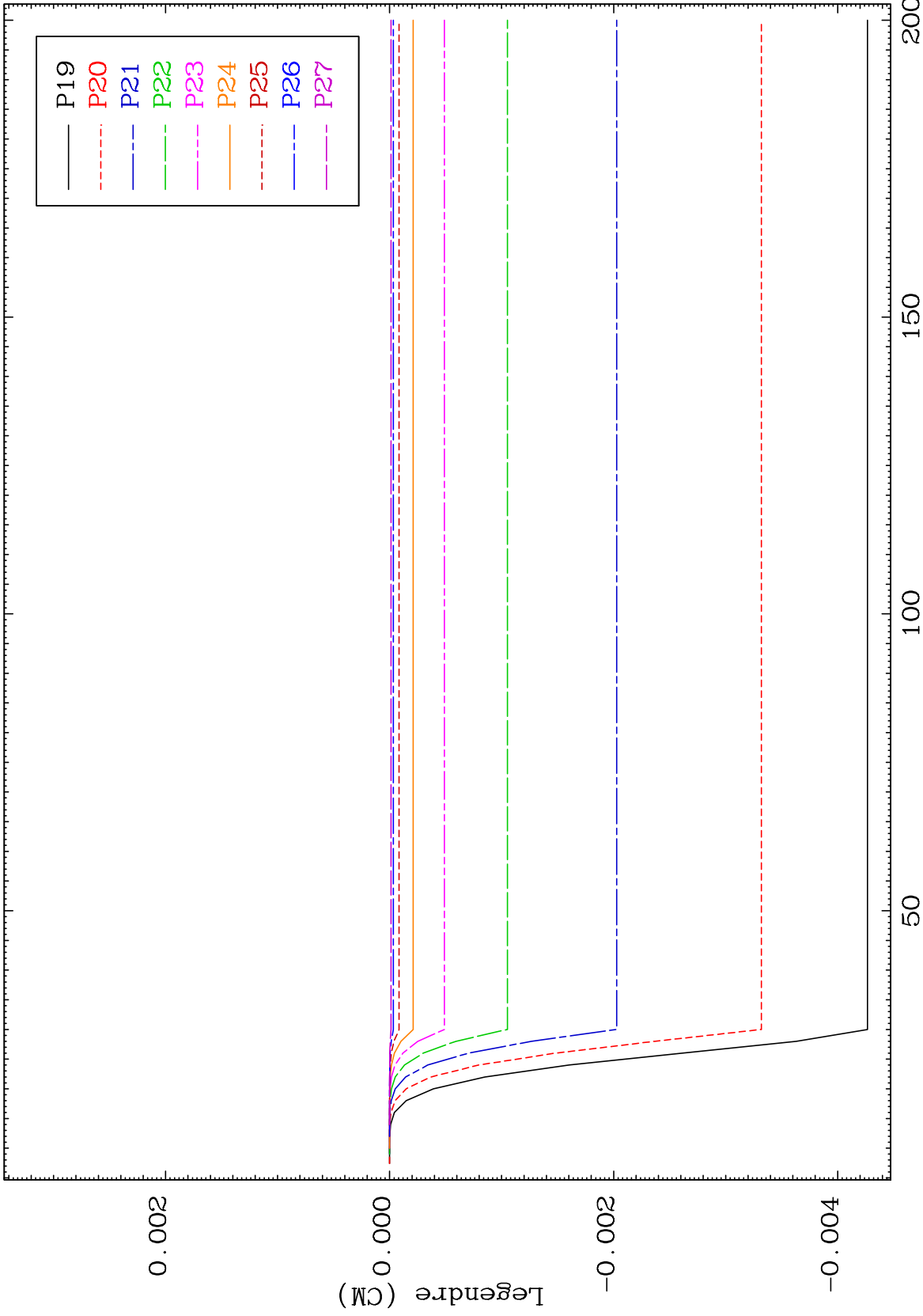
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144

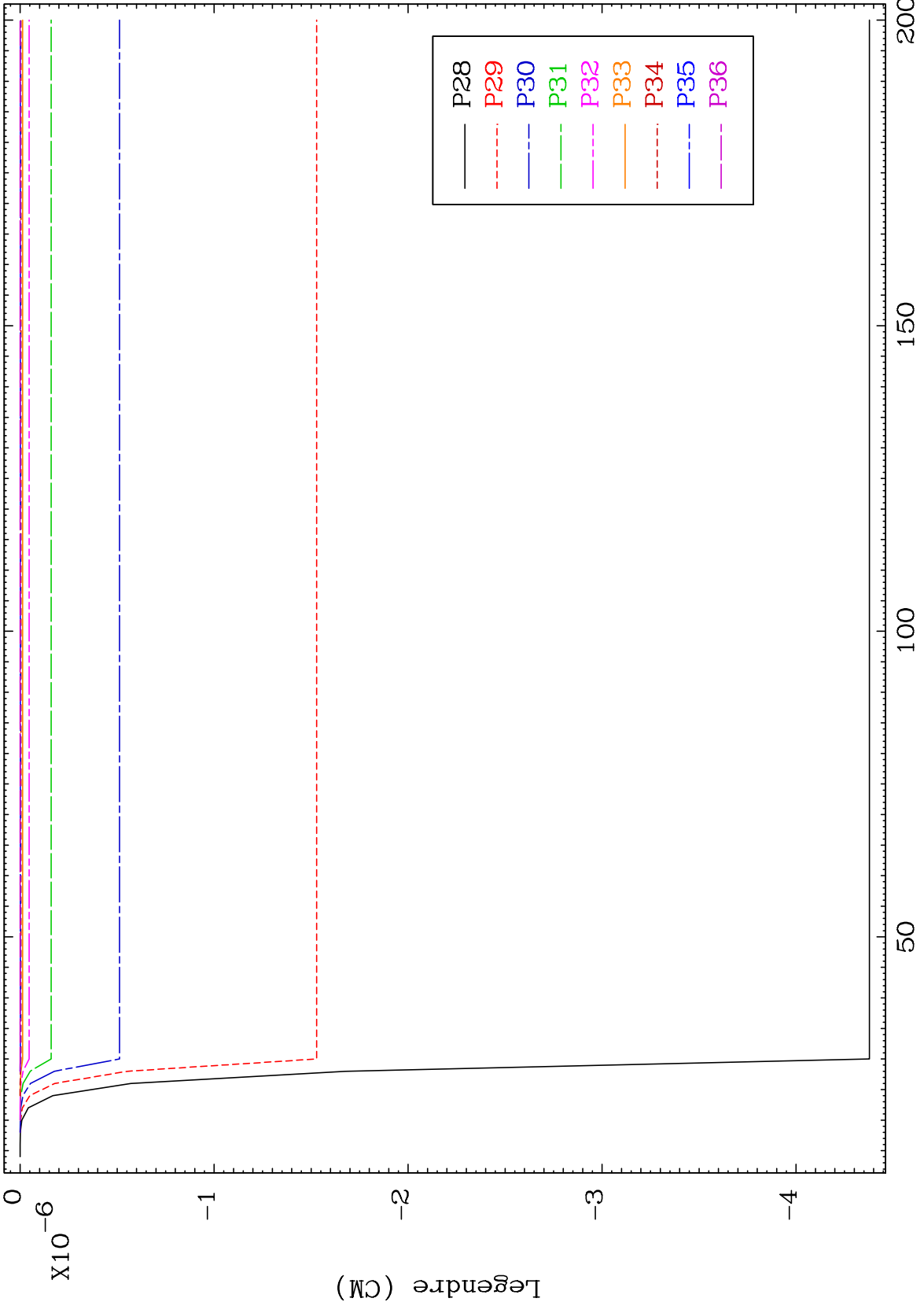


131

Incident Energy (MeV)

60-Nd-144

MAT 6031 MT= 80 (n,n') Level Legendre Coefficients 60-Nd-144



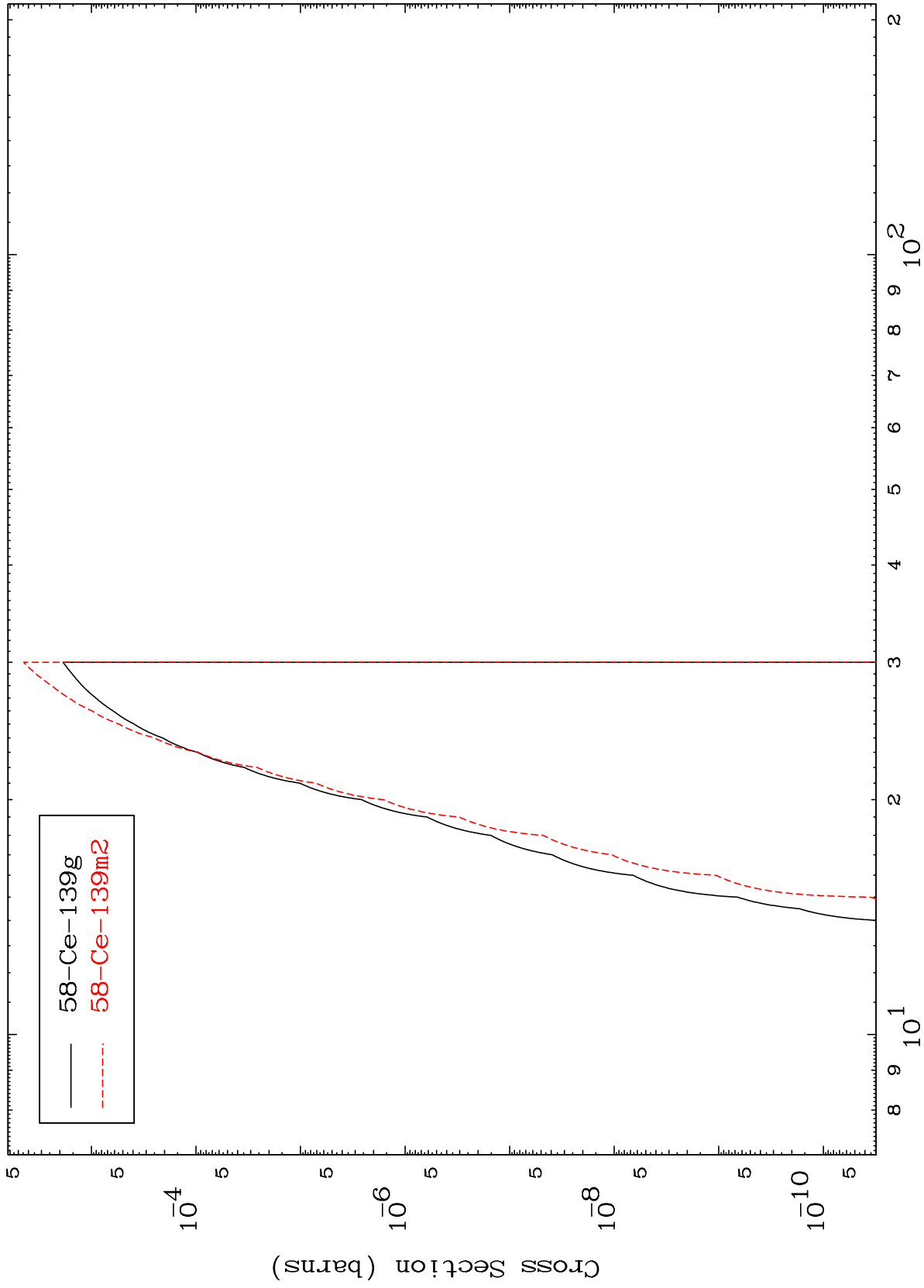
132 Incident Energy (MeV) 60-Nd-144

MAT 6031

$(n, 2n) \alpha$

60-Nd-144

Radionuclide Production Cross Section



133

Incident Energy (MeV)

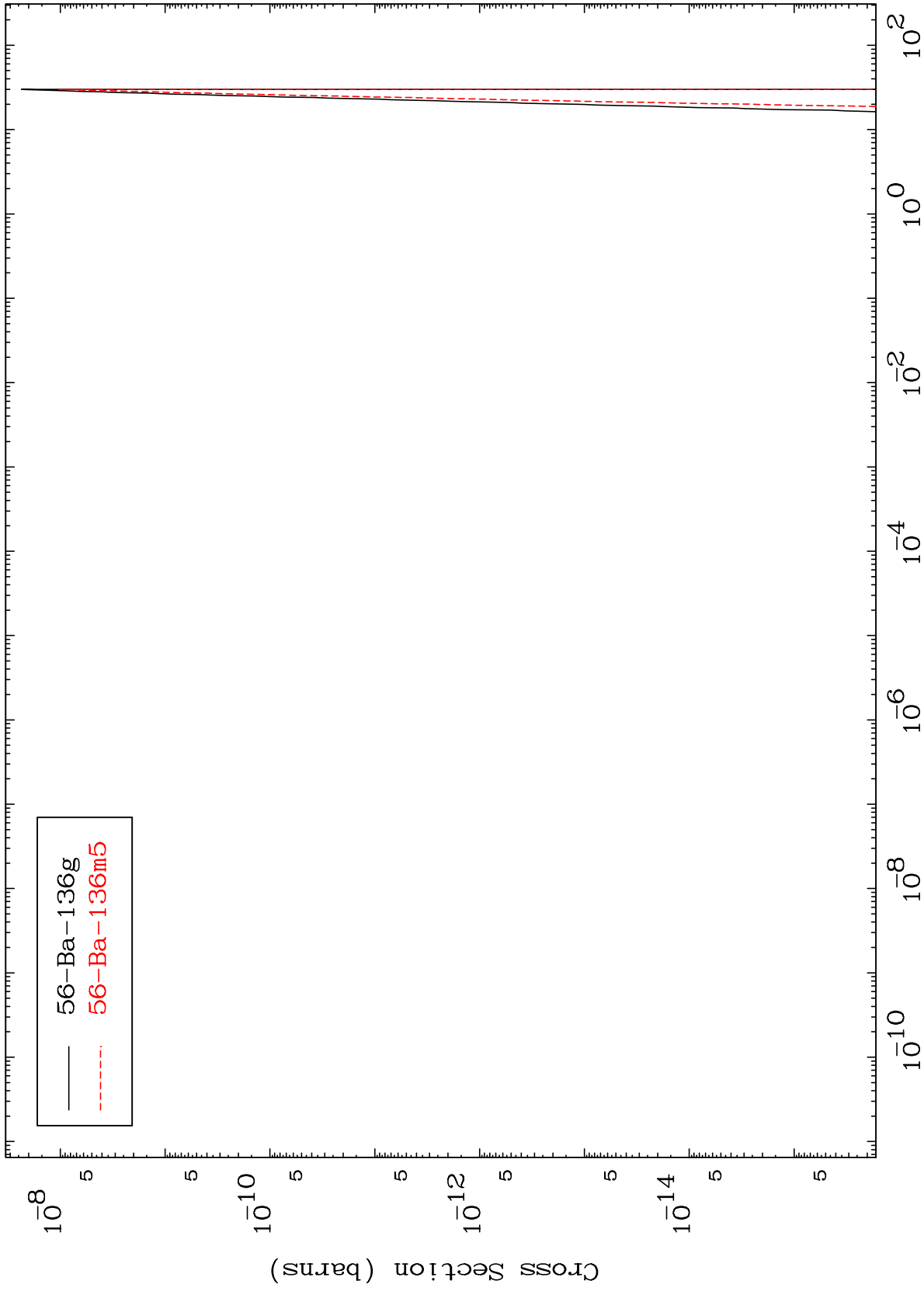
60-Nd-144

MAT 6031

(n,n') 2 α

60-Nd-144

Radionuclide Production Cross Section



134

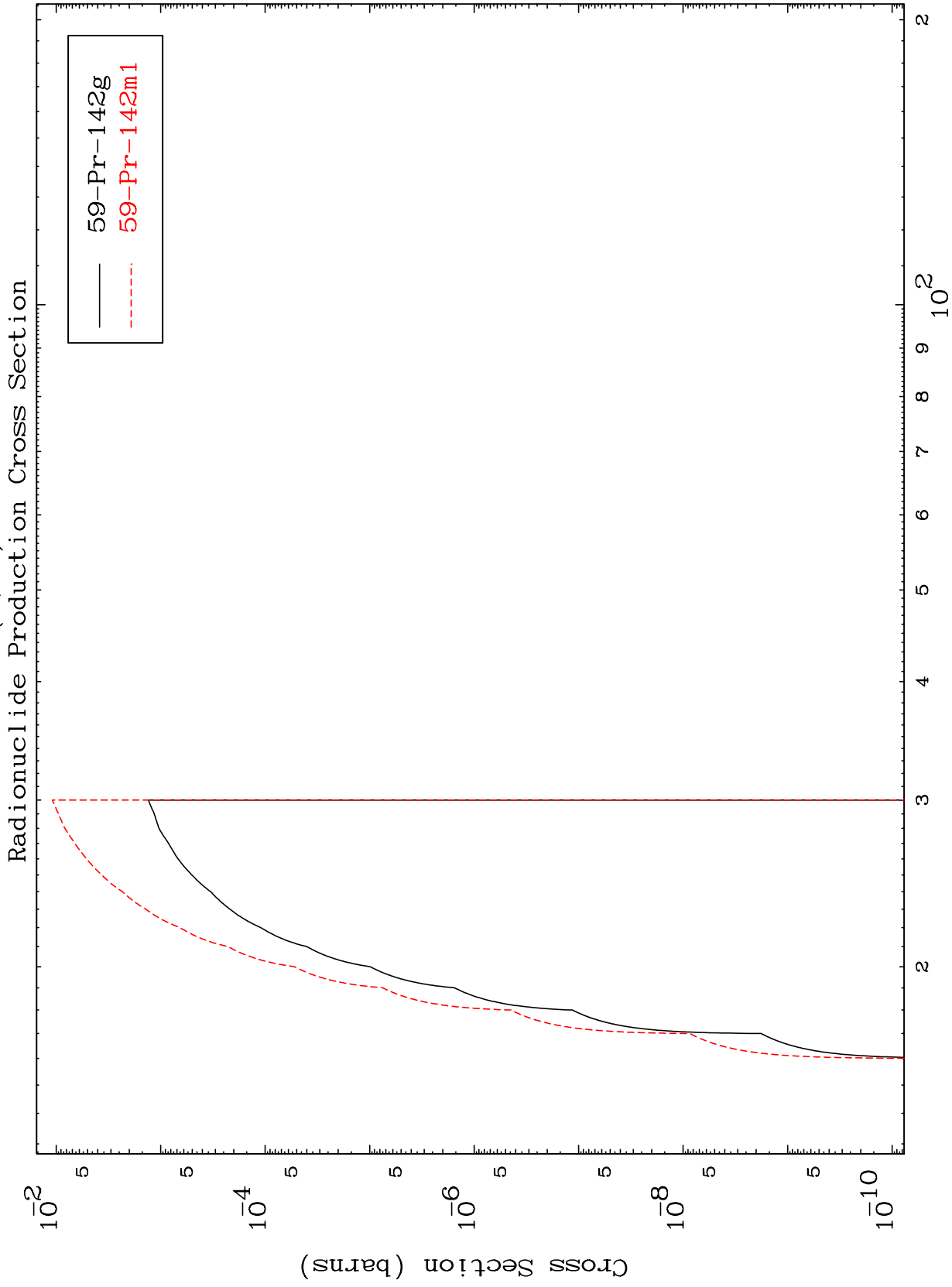
Incident Energy (MeV)

60-Nd-144

MAT 6031

(n,n') d

60-Nd-144



135

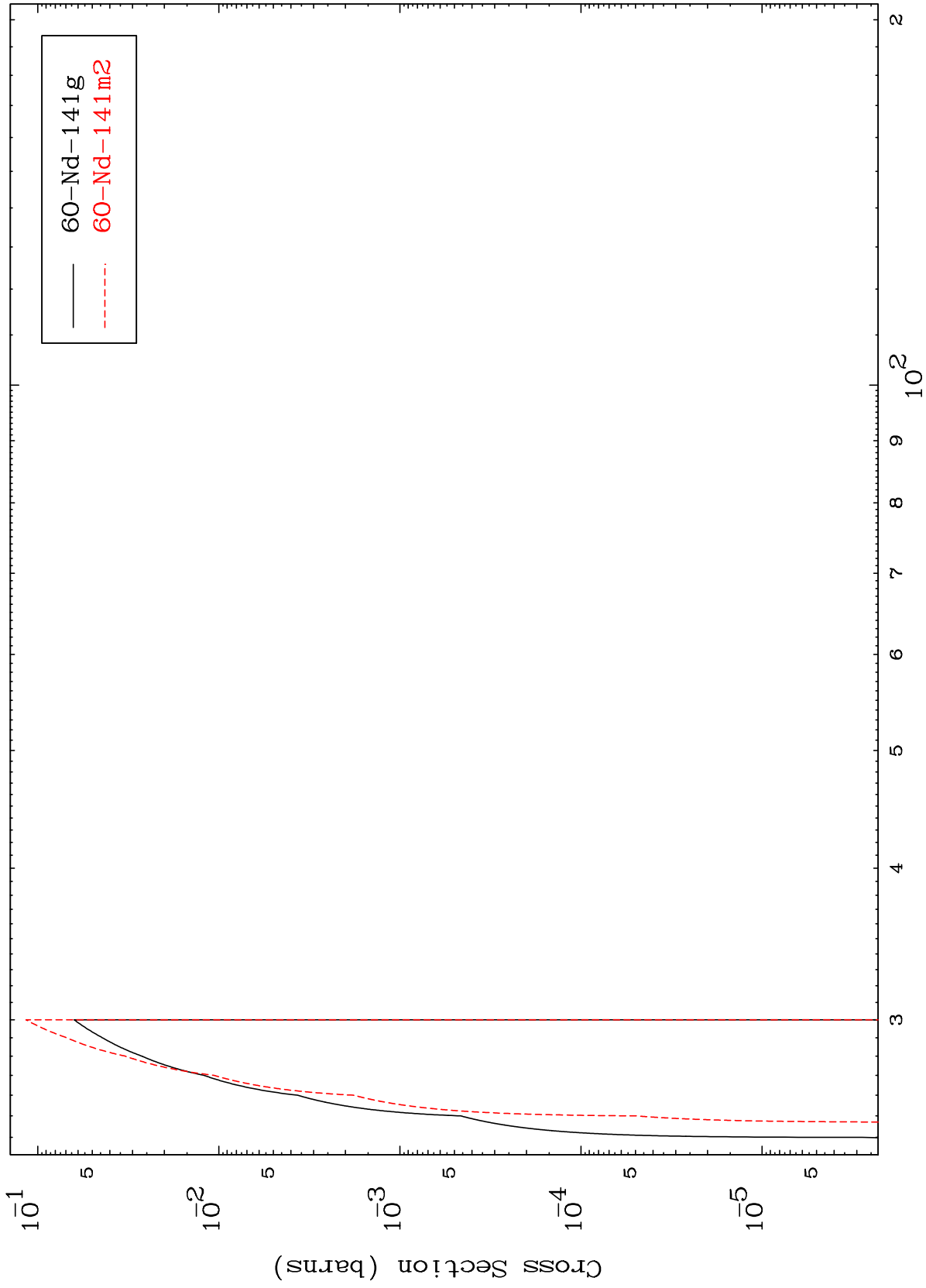
Incident Energy (MeV)

60-Nd-144

MAT 6031

$^{60}\text{Nd}-144$

$(n, 4n)$
Radionuclide Production Cross Section



136

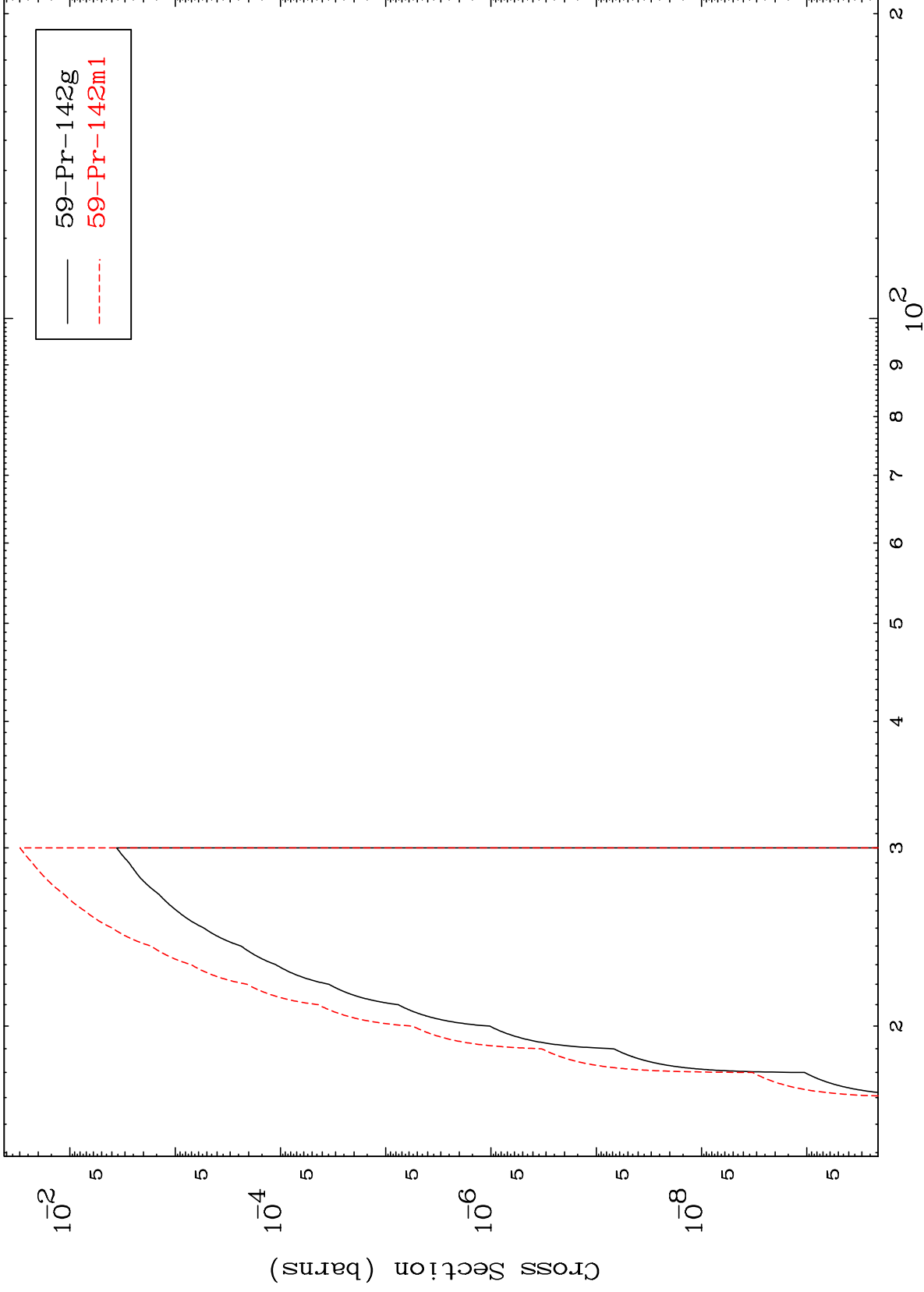
$^{60}\text{Nd}-144$

MAT 6031

(n,2n) p

60-Nd-144

Radionuclide Production Cross Section



137

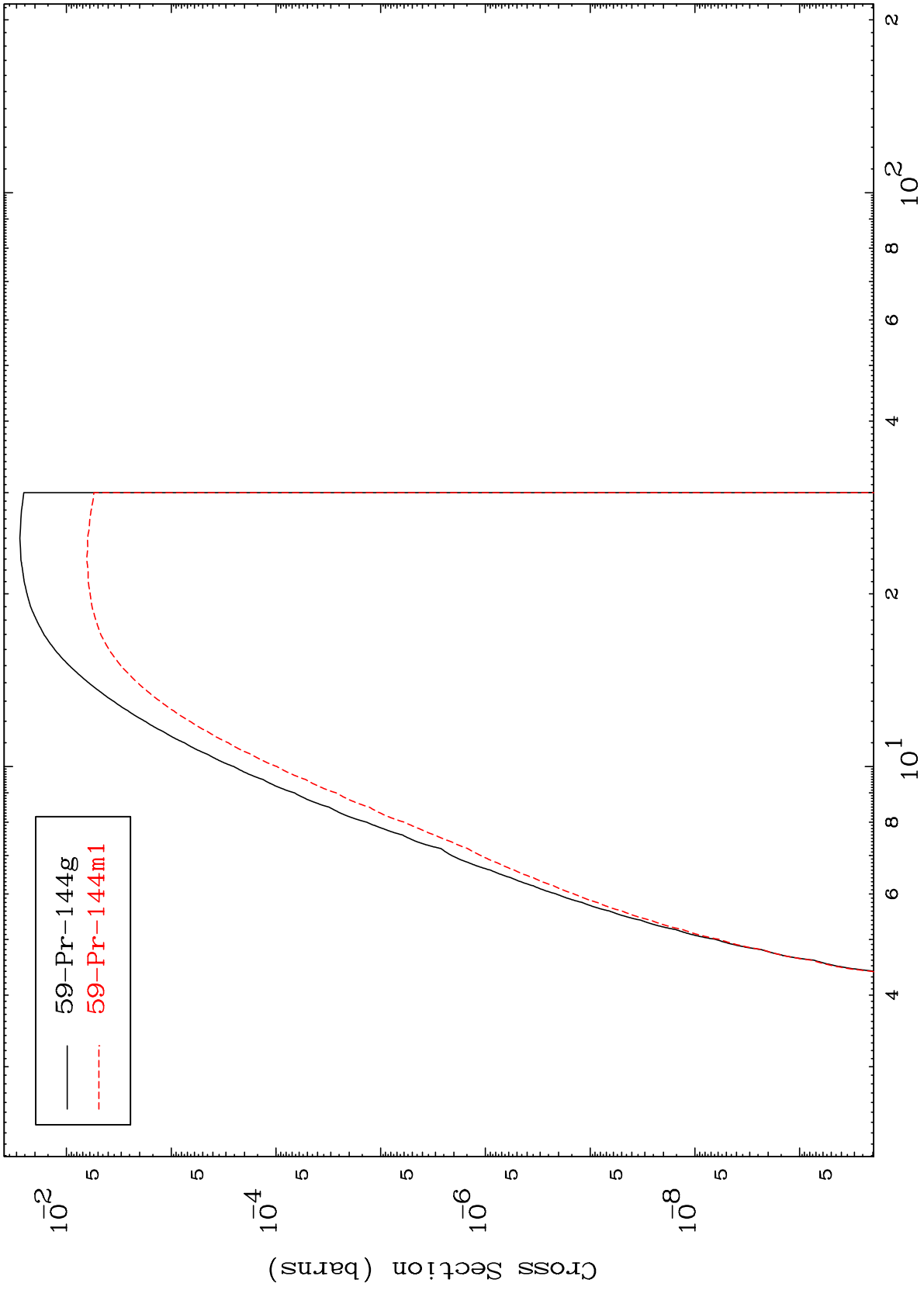
Incident Energy (MeV)

60-Nd-144

MAT 6031

Radionuclide Production Cross Section
(n,p)

60-Nd-144



138

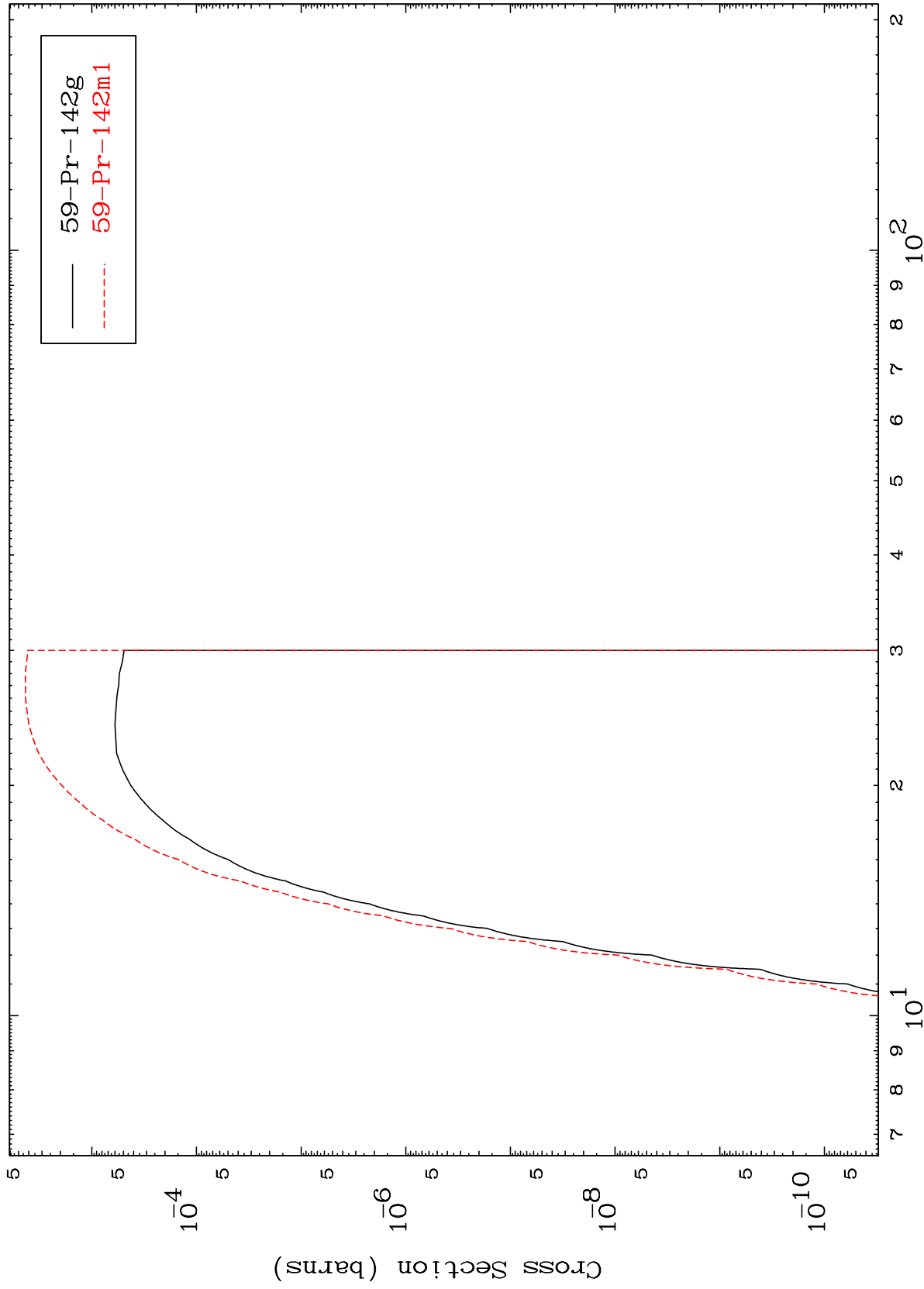
Incident Energy (MeV)

60-Nd-144

MAT 6031

60-Nd-144

(n, t)
Radionuclide Production Cross Section



139

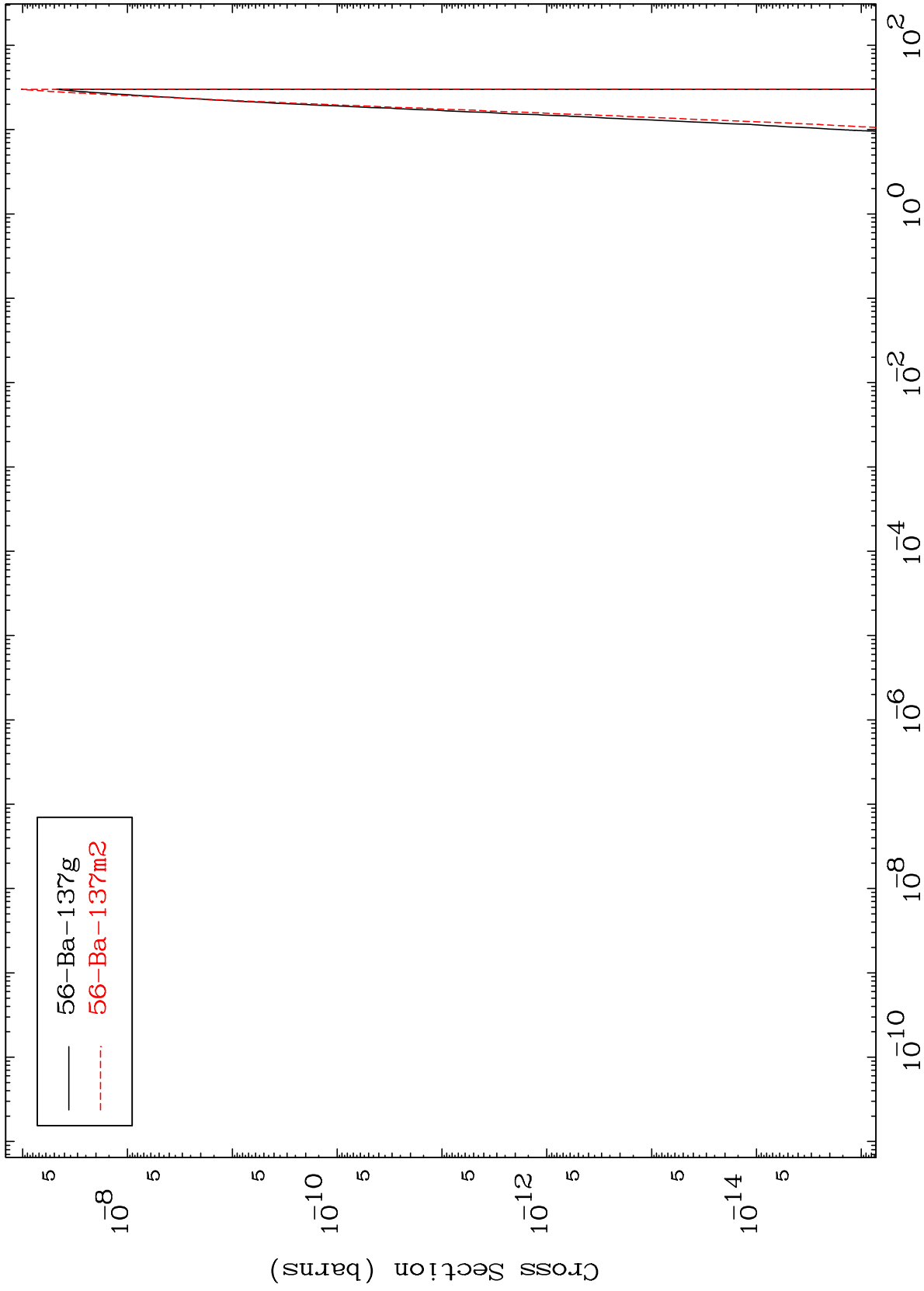
60-Nd-144

MAT 6031

(n,2α)

60-Nd-144

Radionuclide Production Cross Section



140

Incident Energy (MeV)

60-Nd-144