

Program EVALPLOT
(Version 2018-1)

by

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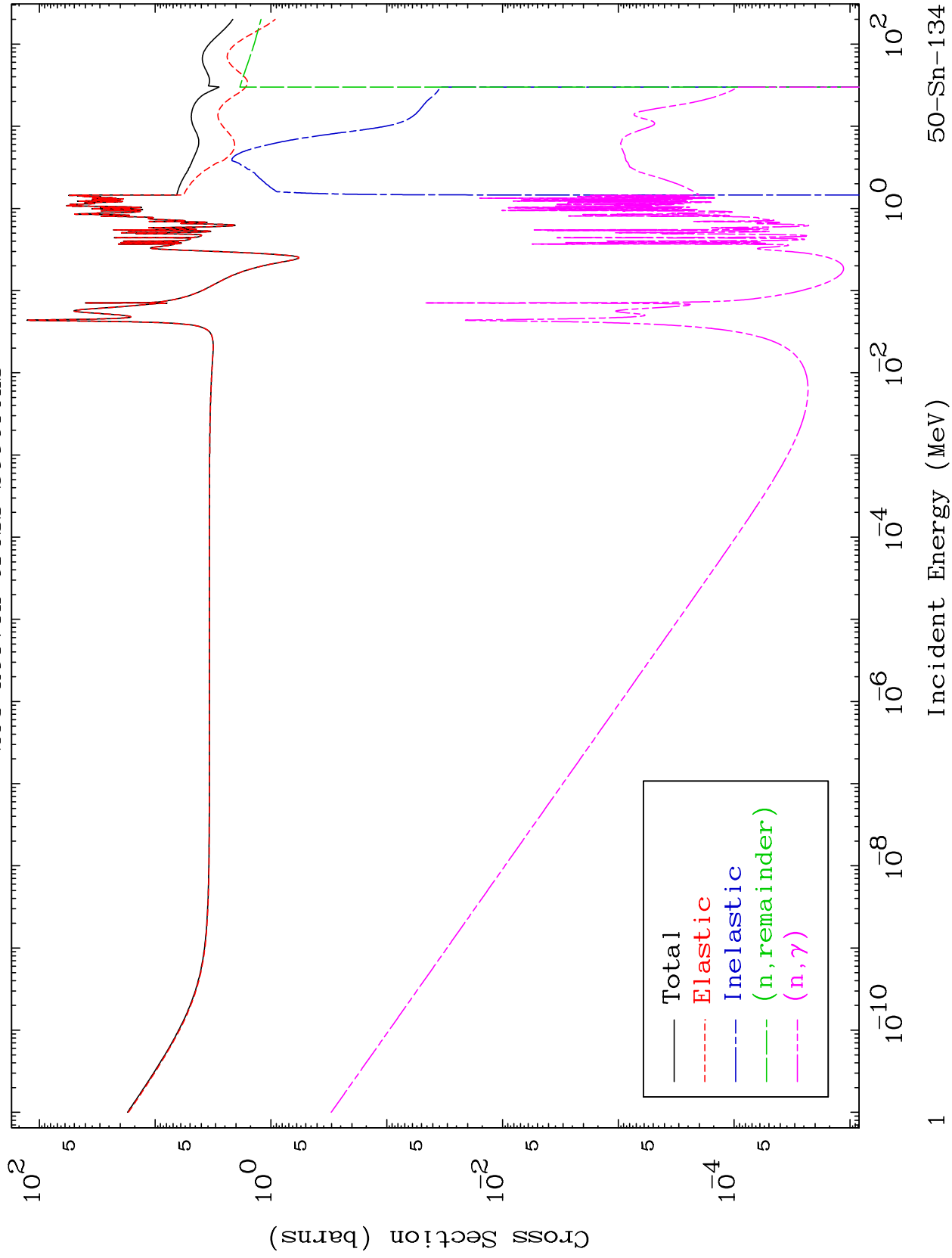
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5091

Major
293 Kelvin Cross Sections

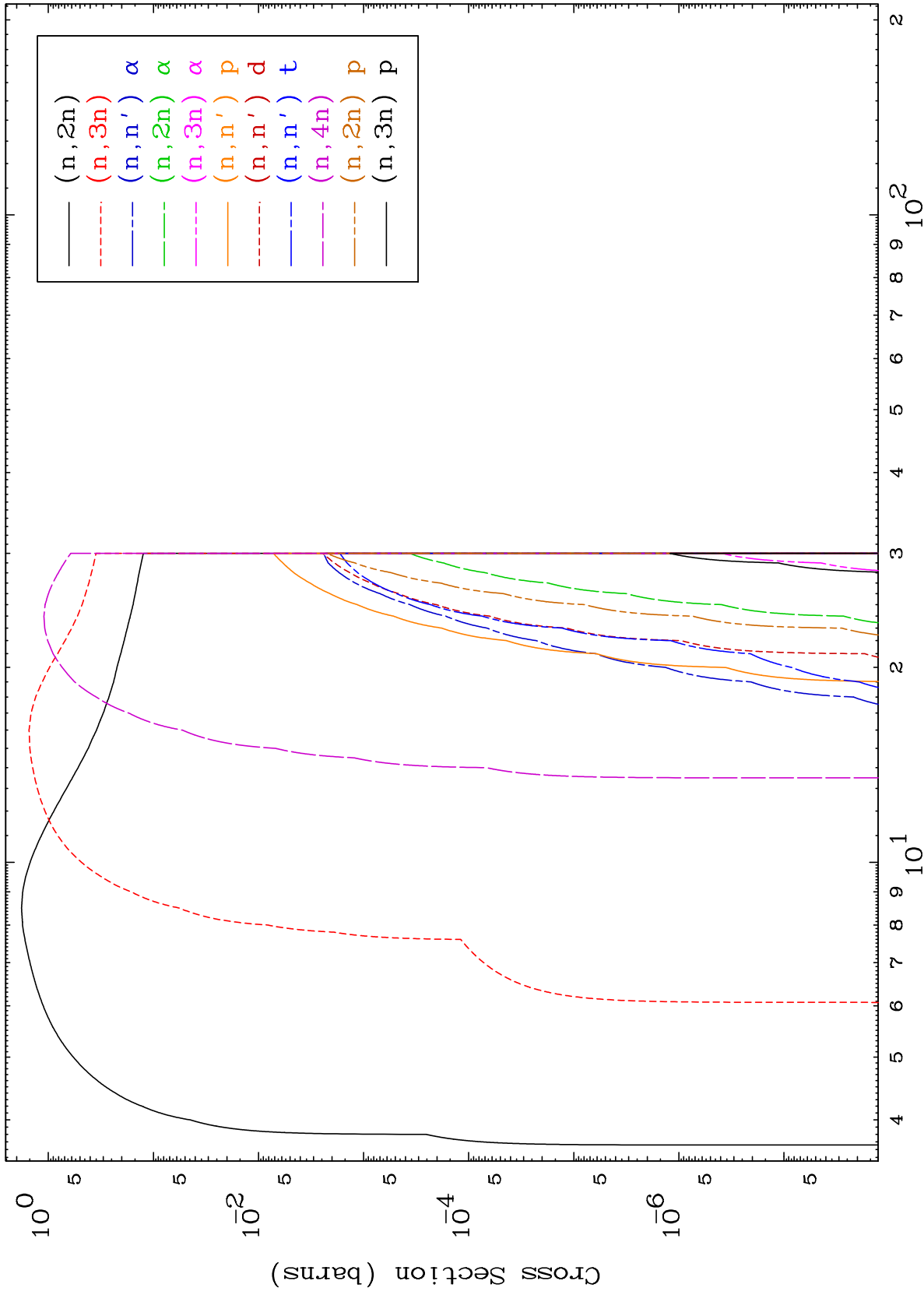
50-Sn-134



MAT 5091

Neutron Production 293 Kelvin Cross Sections

50-Sn-134



2

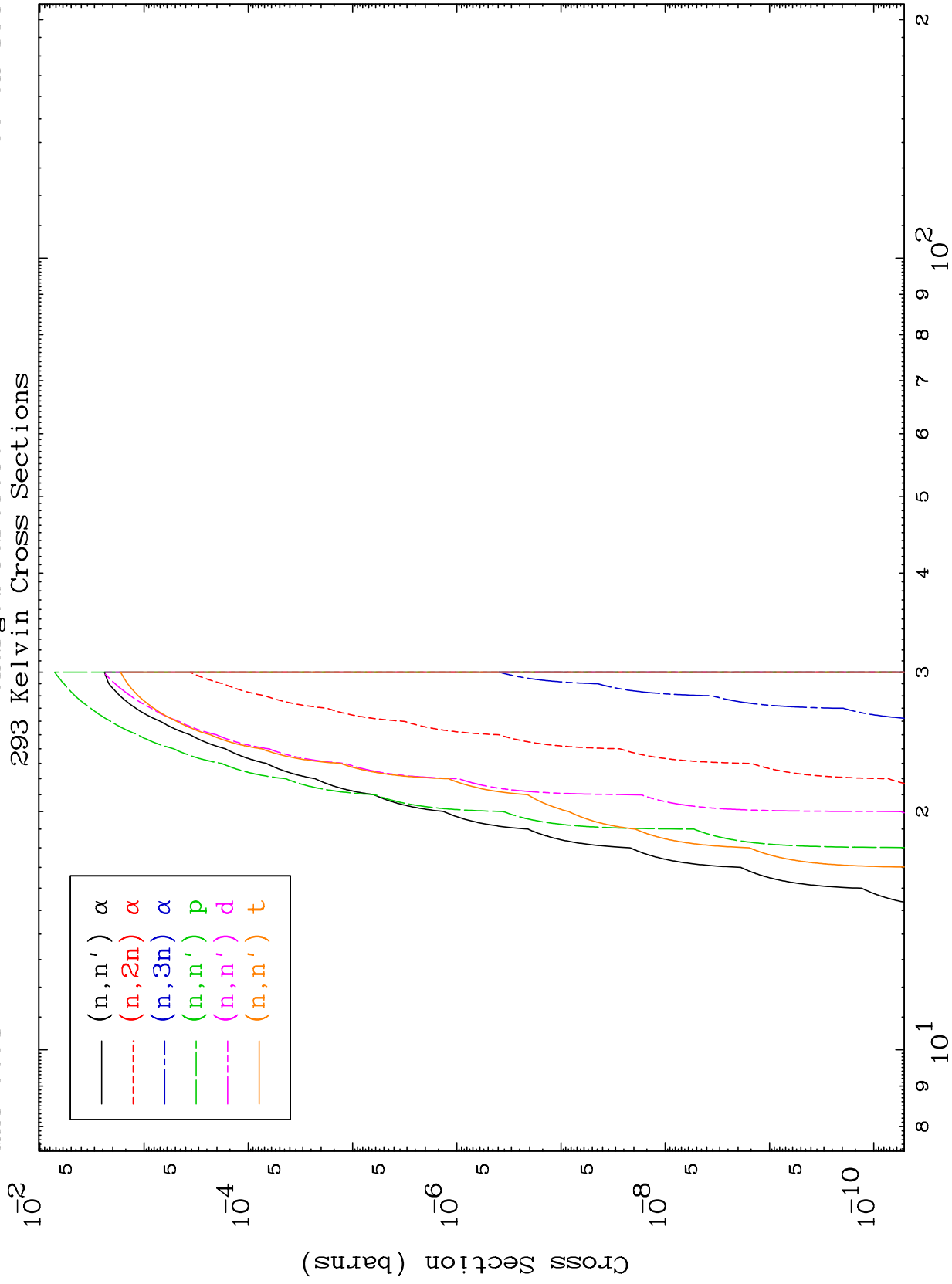
Incident Energy (MeV)

50-Sn-134

MAT 5091

Charged Particle
293 Kelvin Cross Sections

50-Sn-134



3

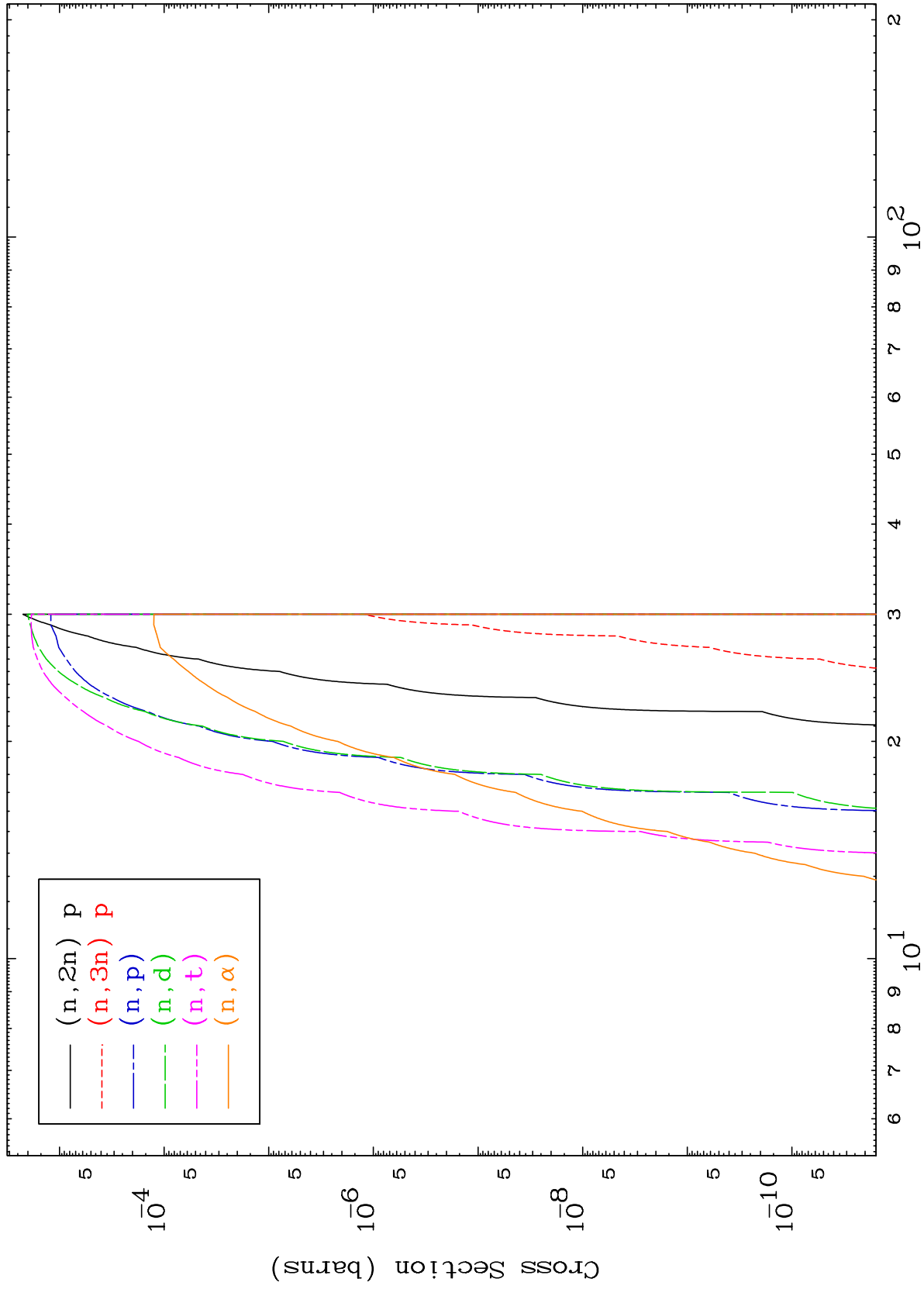
Incident Energy (MeV)

50-Sn-134

MAT 5091

Charged Particle
293 Kelvin Cross Sections

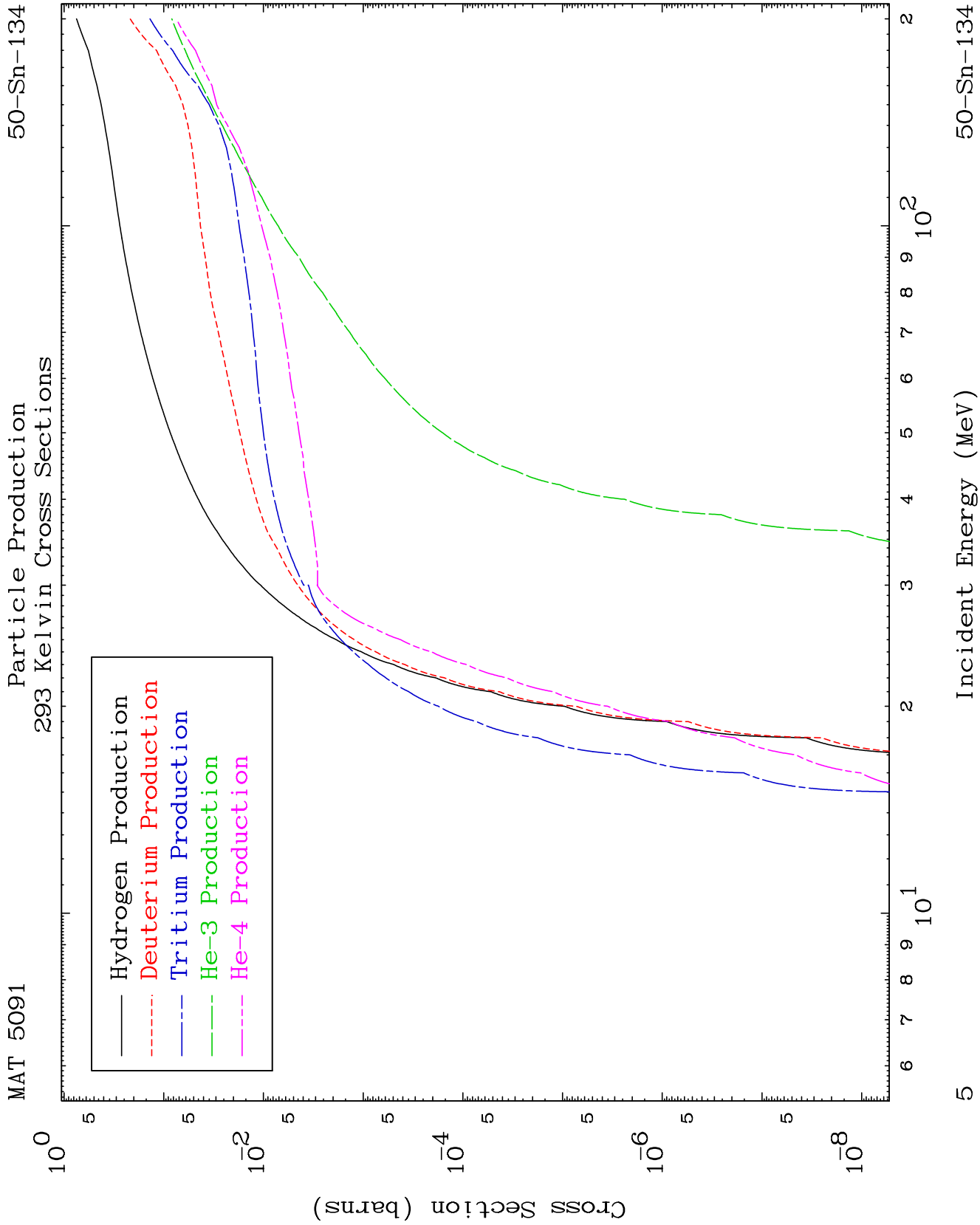
50-Sn-134



4

Incident Energy (MeV)

50-Sn-134

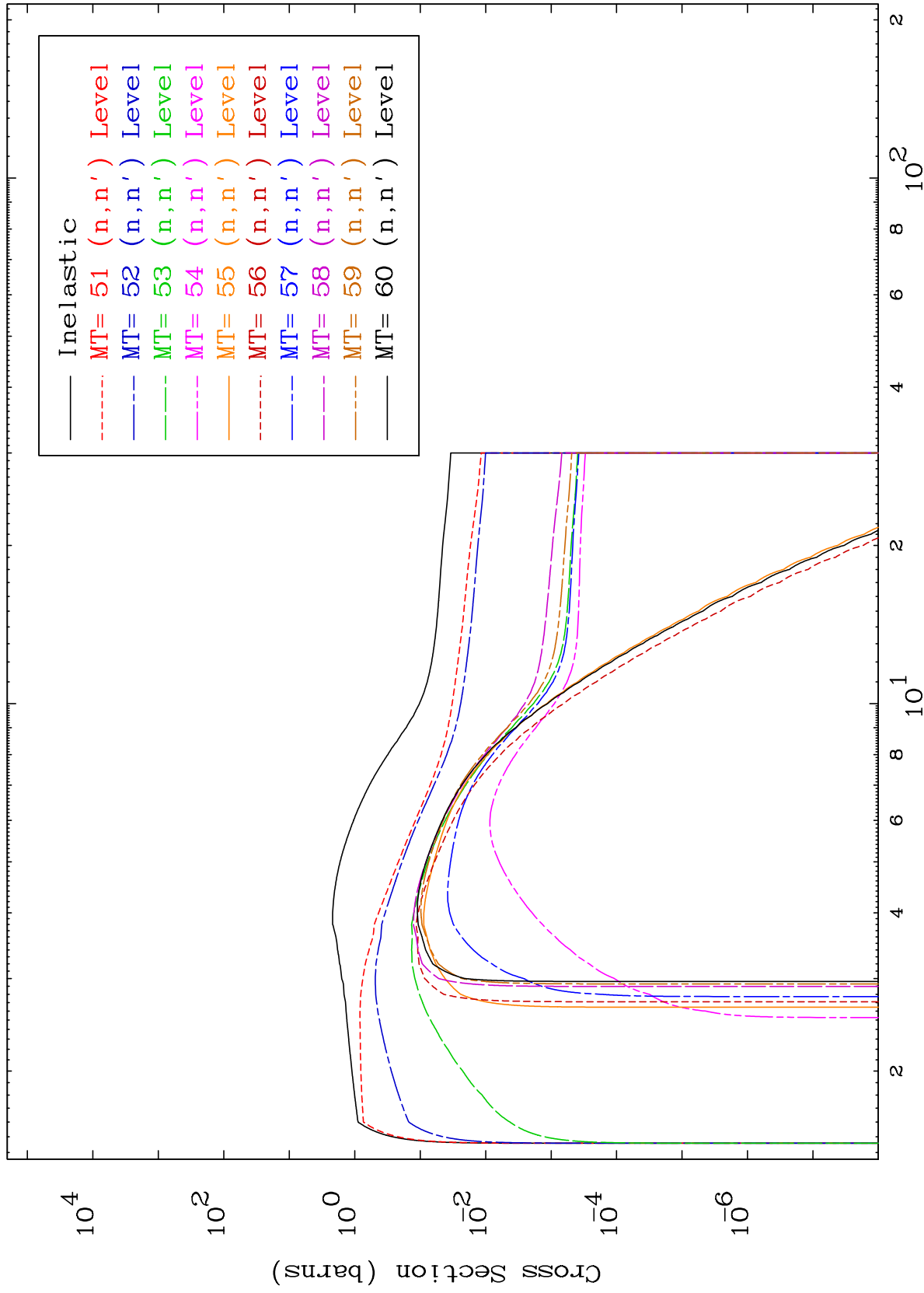


MAT 5091

(n,n') Level

50-Sn-134

293 Kelvin Cross Sections



6

Incident Energy (MeV)

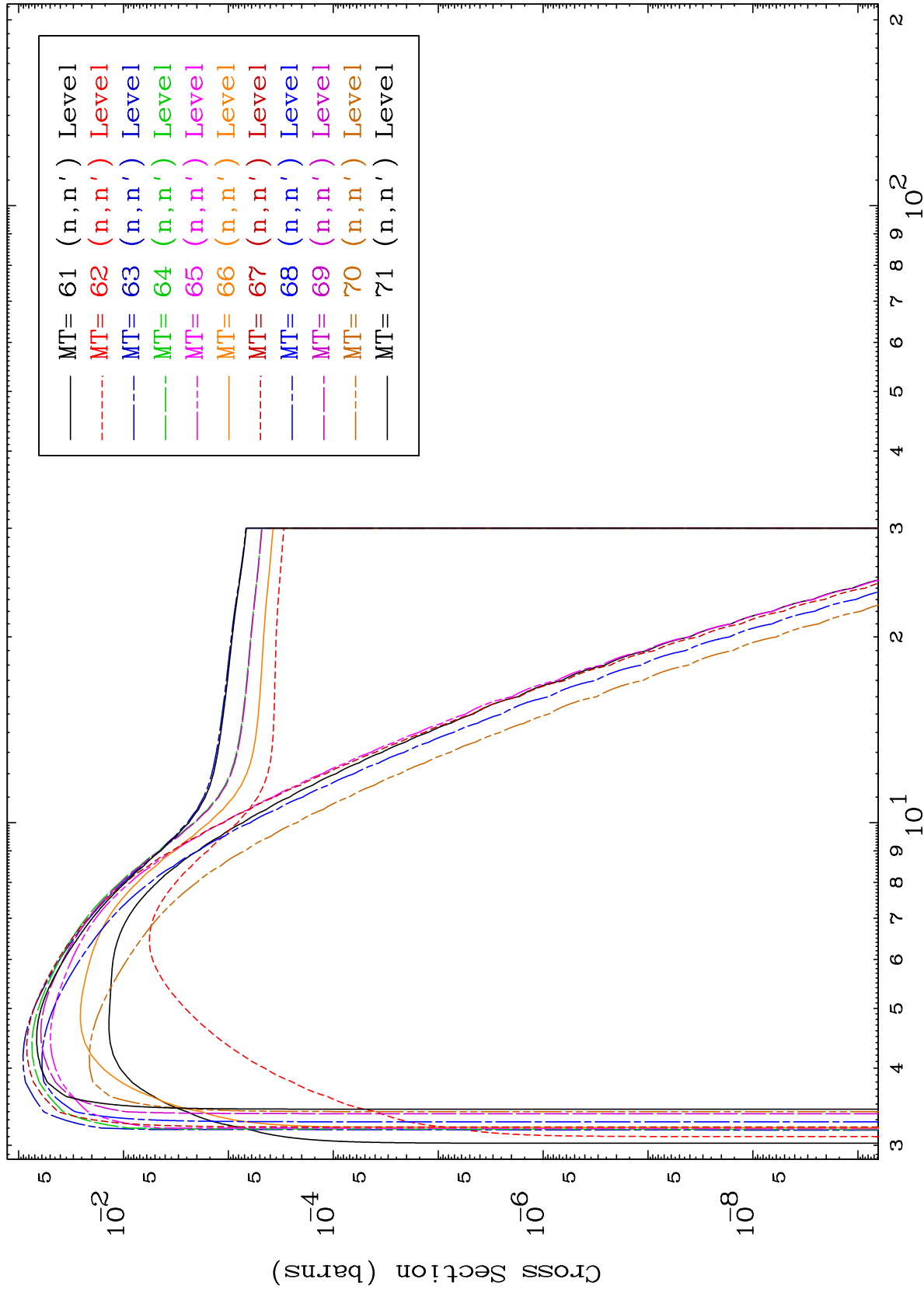
50-Sn-134

MAT 5091

(n,n') Level

50-Sn-134

293 Kelvin Cross Sections



7

Incident Energy (MeV)

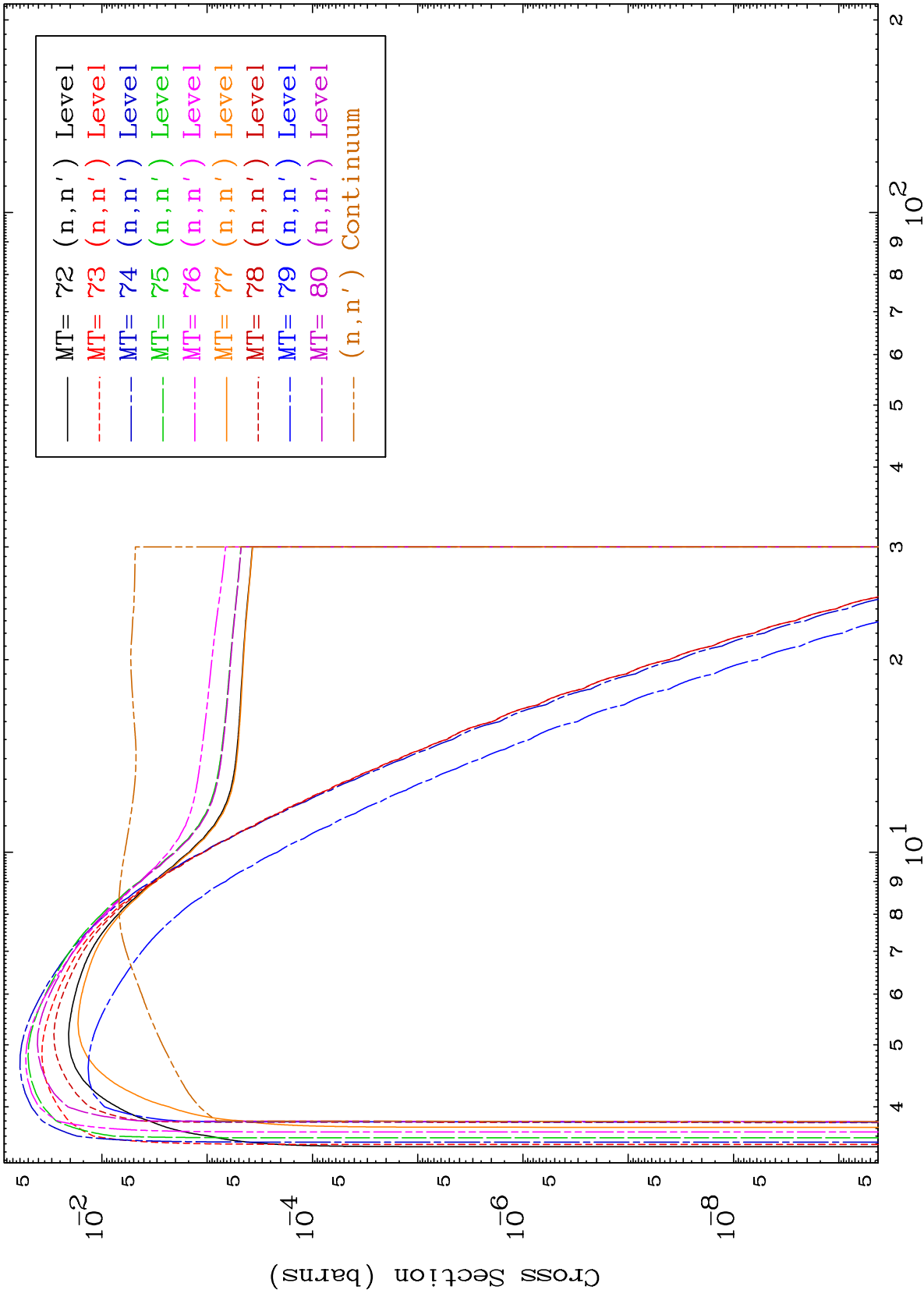
50-Sn-134

MAT 5091

(n,n') Level

50-Sn-134

293 Kelvin Cross Sections



8

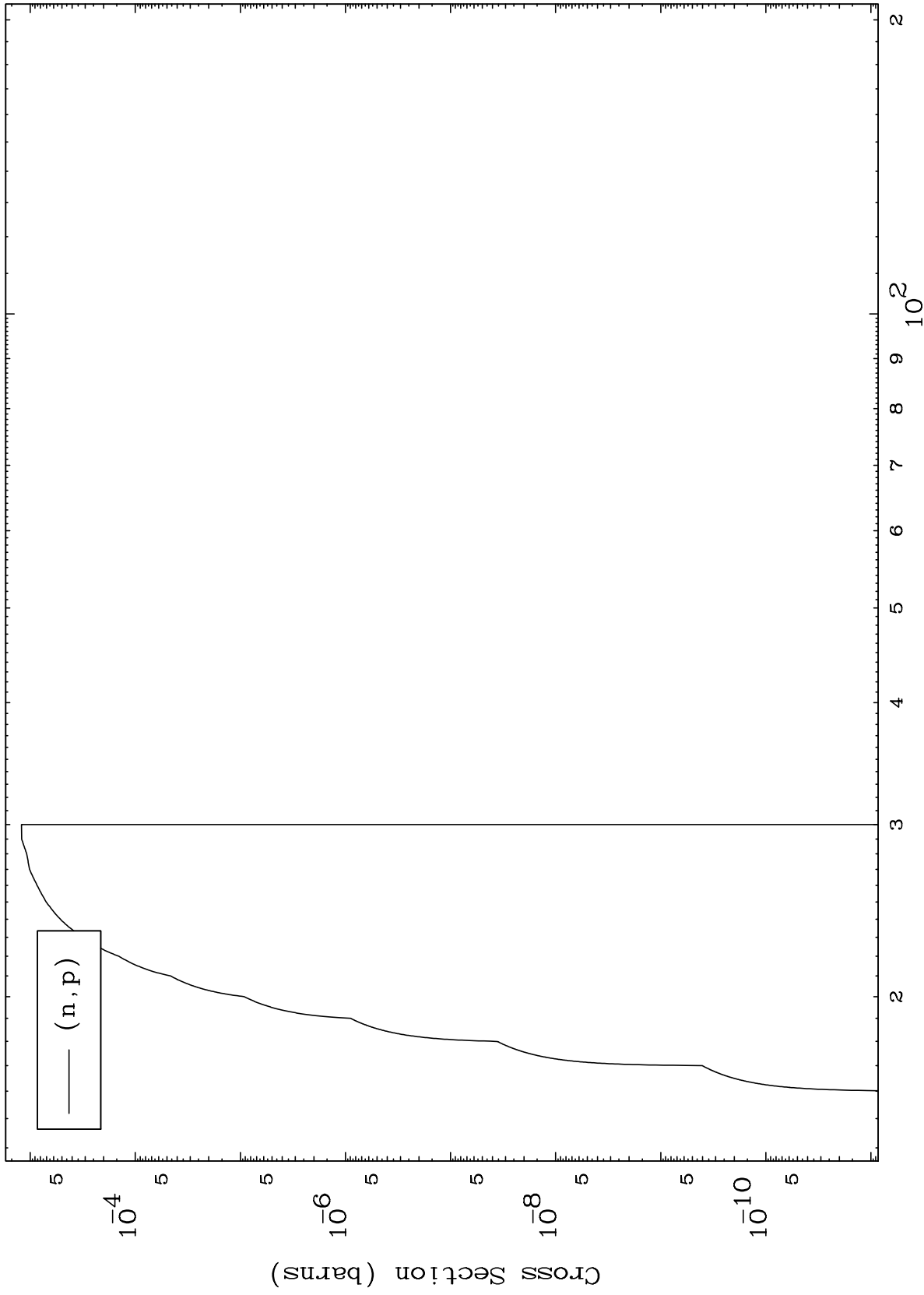
Incident Energy (MeV)

50-Sn-134

MAT 5091

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-134



9

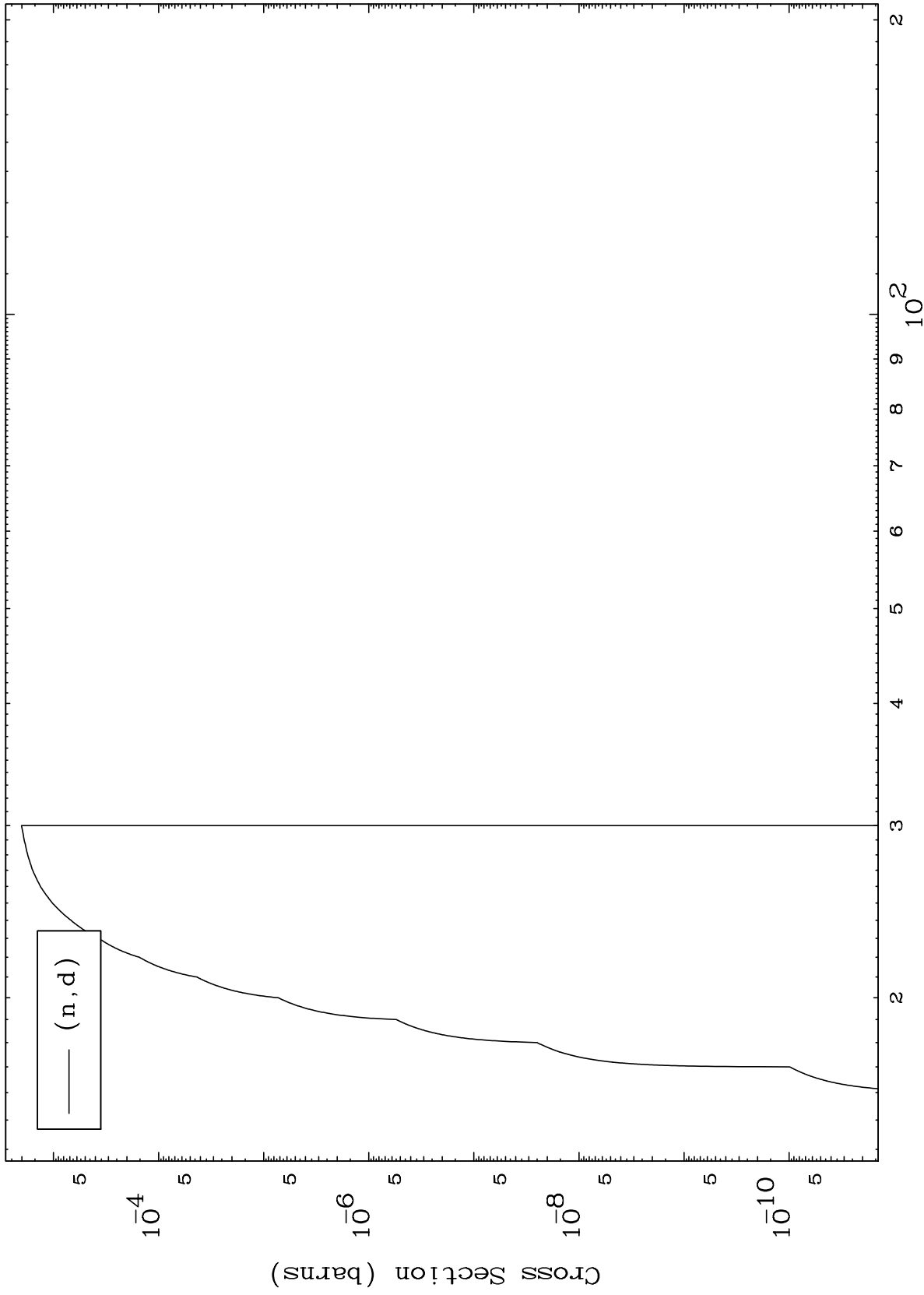
Incident Energy (MeV)

50-Sn-134

MAT 5091

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-134



10

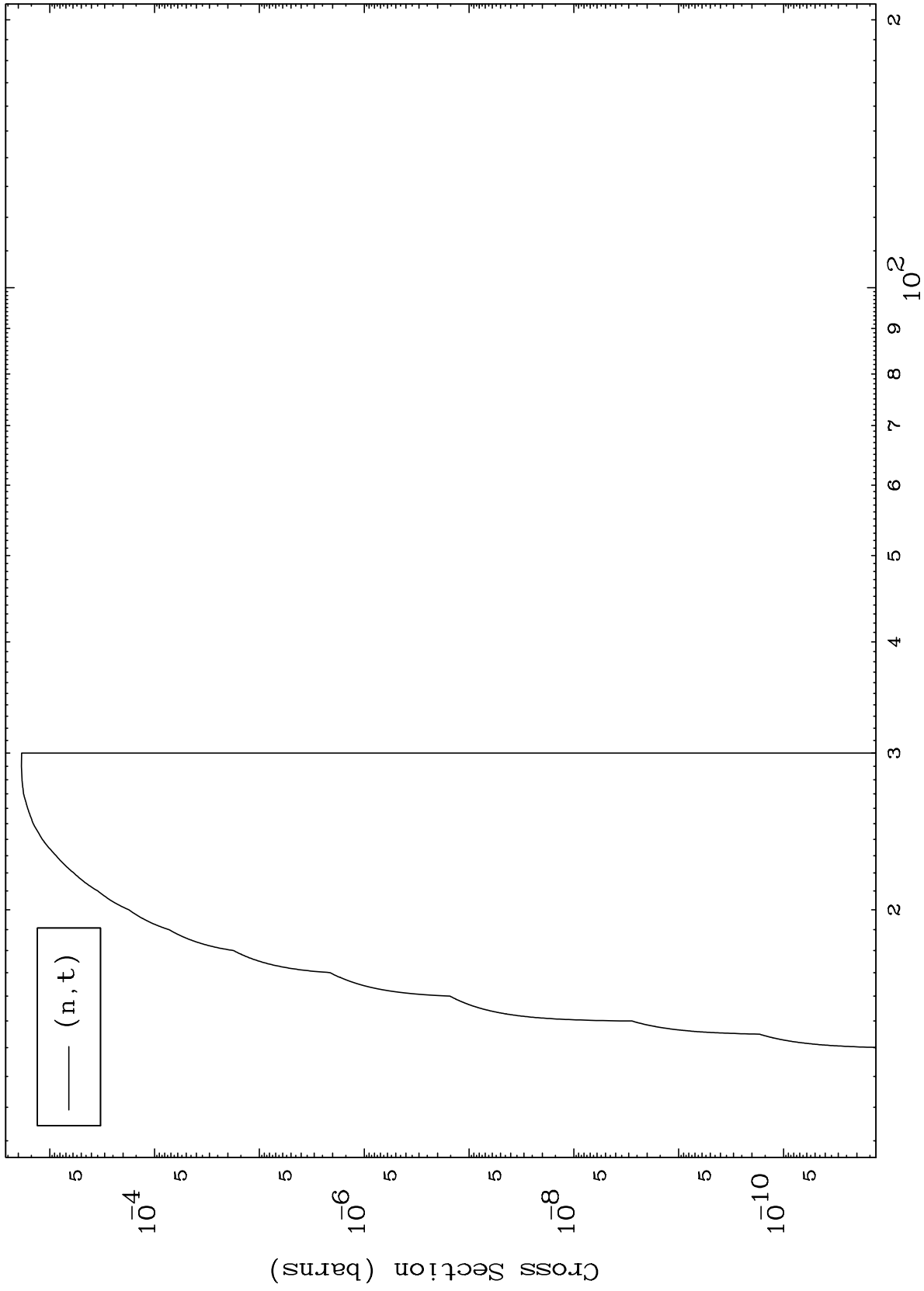
Incident Energy (MeV)

50-Sn-134

MAT 5091

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-134



11

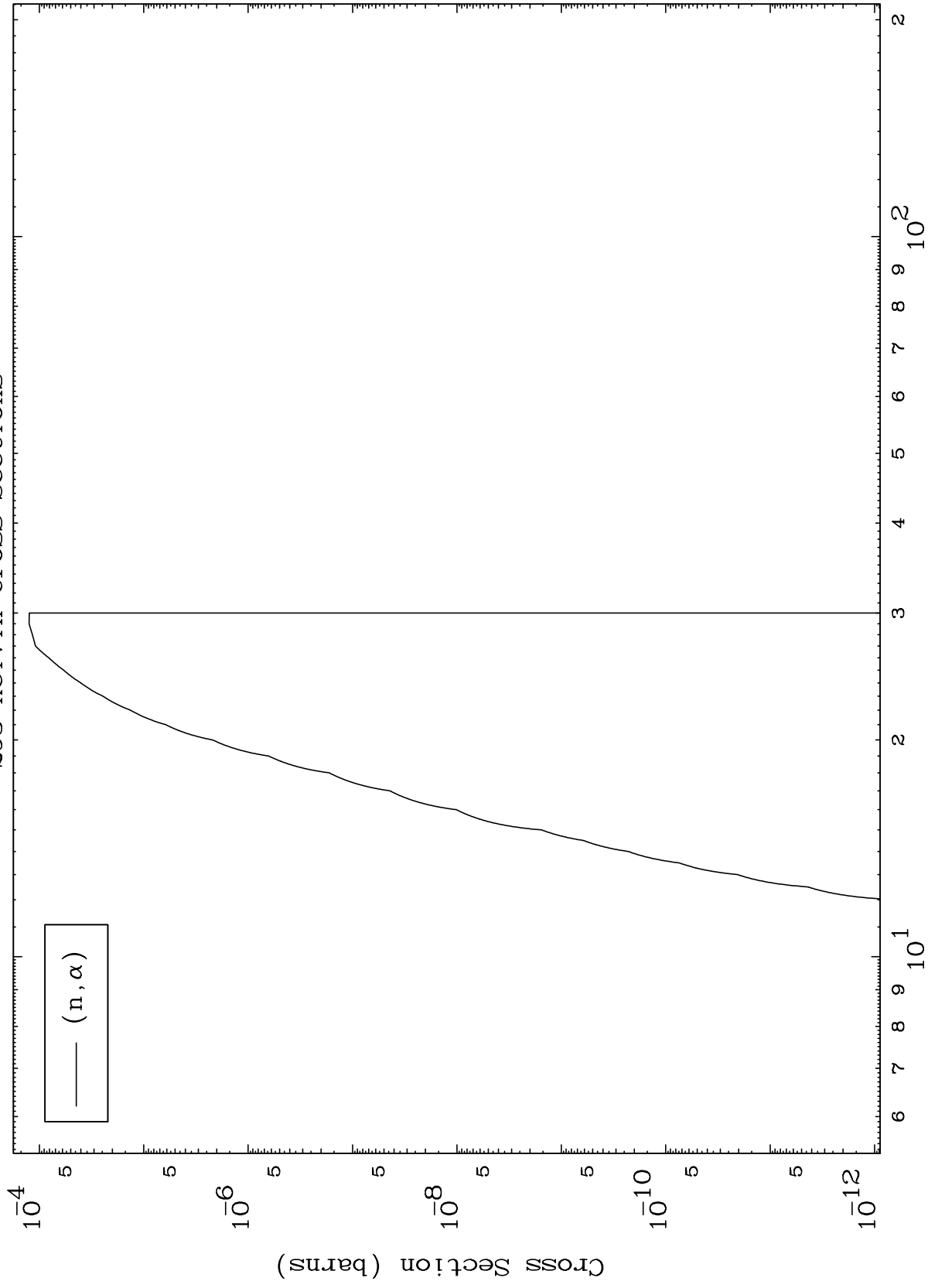
Incident Energy (MeV)

50-Sn-134

MAT 5091

(n, α) Levels
293 Kelvin Cross Sections

50-Sn-134



12

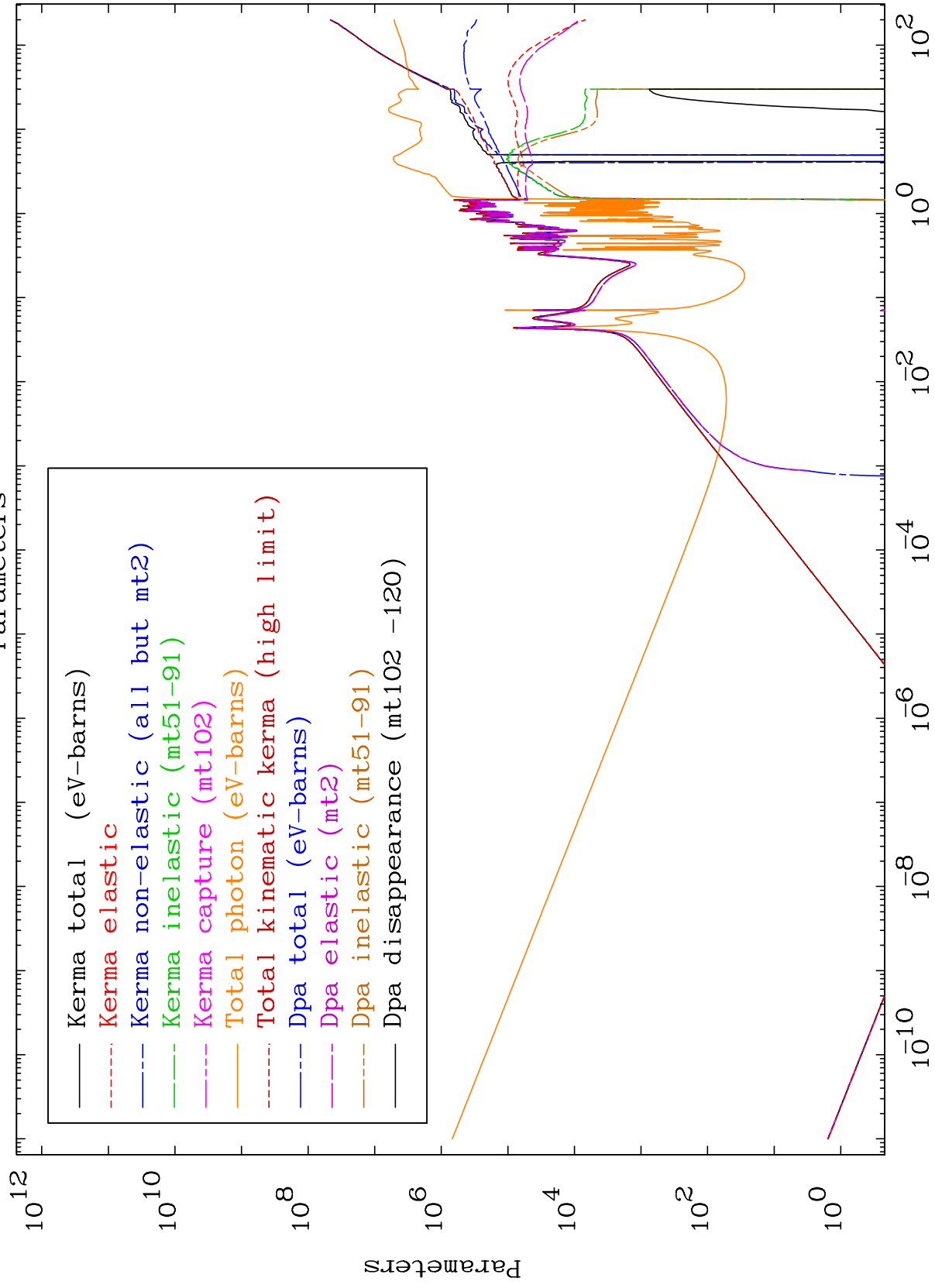
Incident Energy (MeV)

50-Sn-134

MAT 5091

Energy Release
Parameters

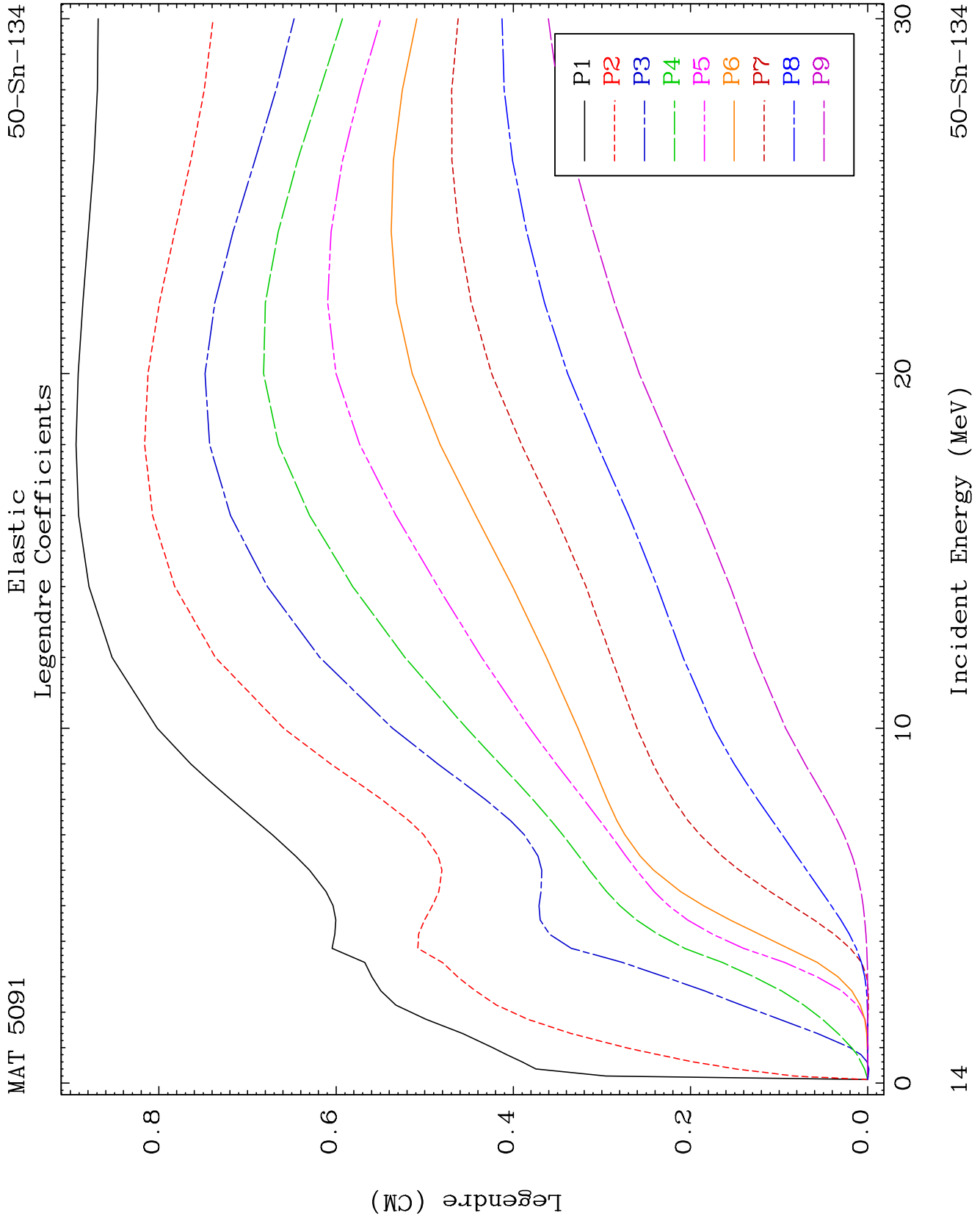
50-Sn-134

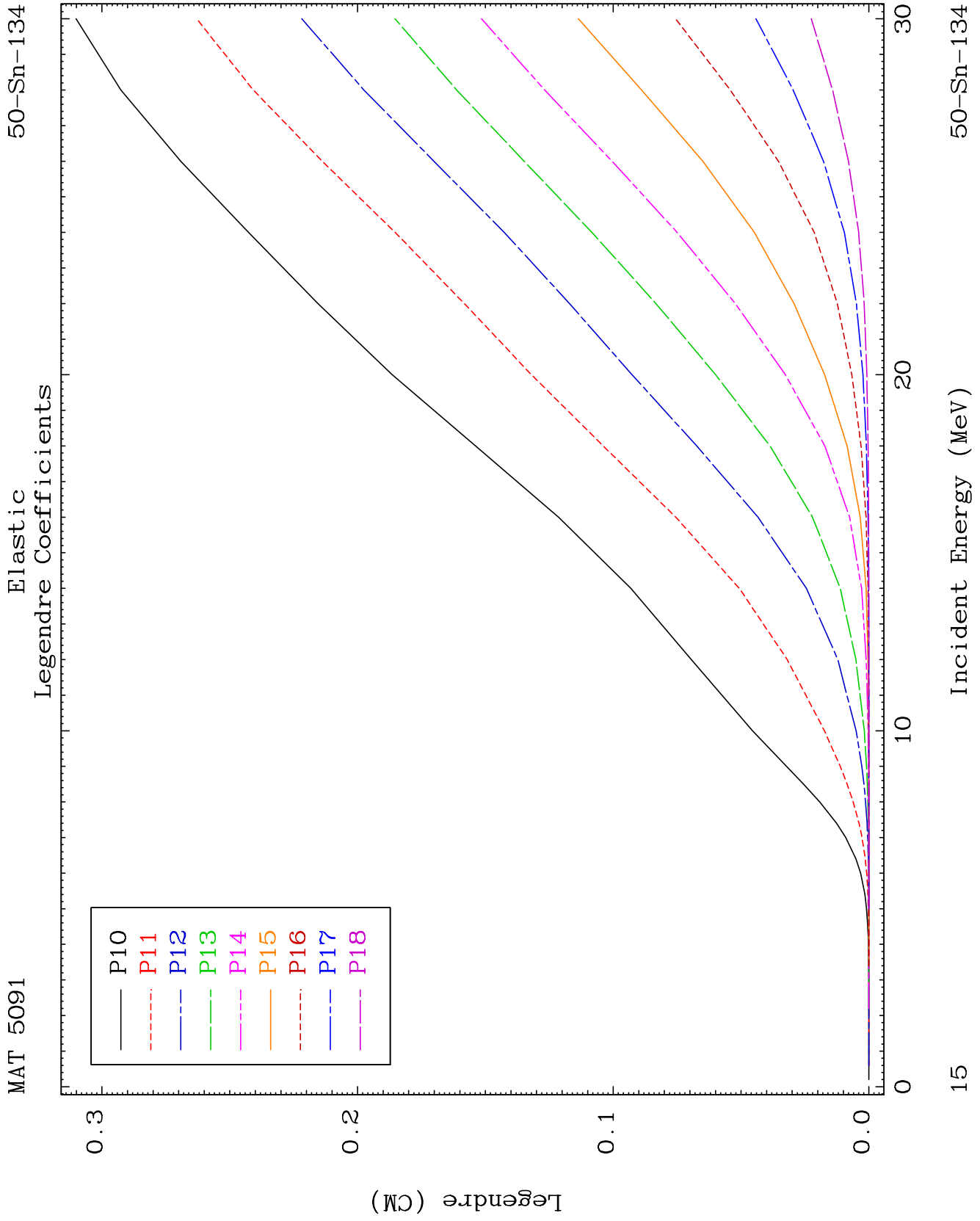


13

Incident Energy (MeV)

50-Sn-134

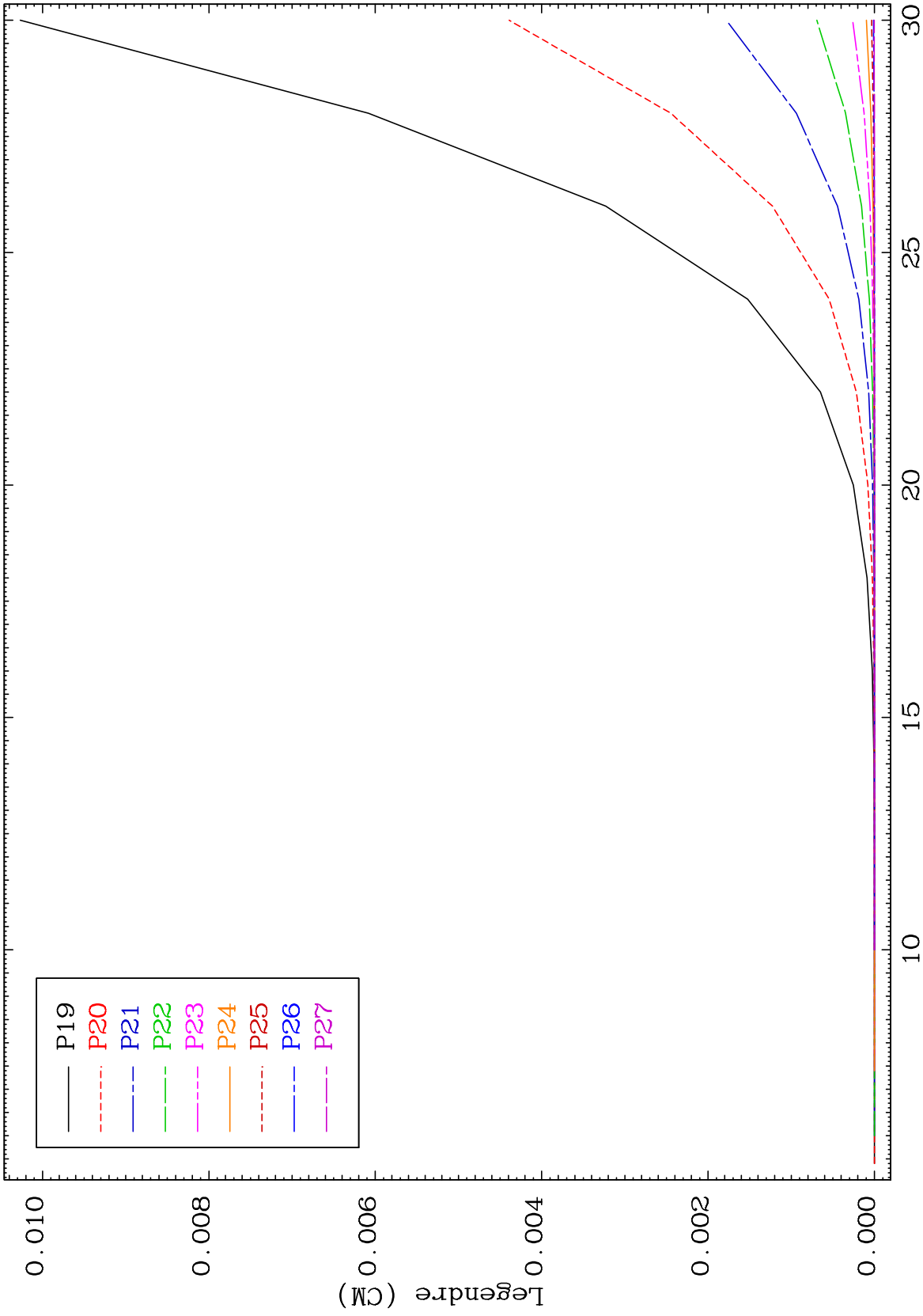




MAT 5091

Elastic Legendre Coefficients

50-Sn-134



16

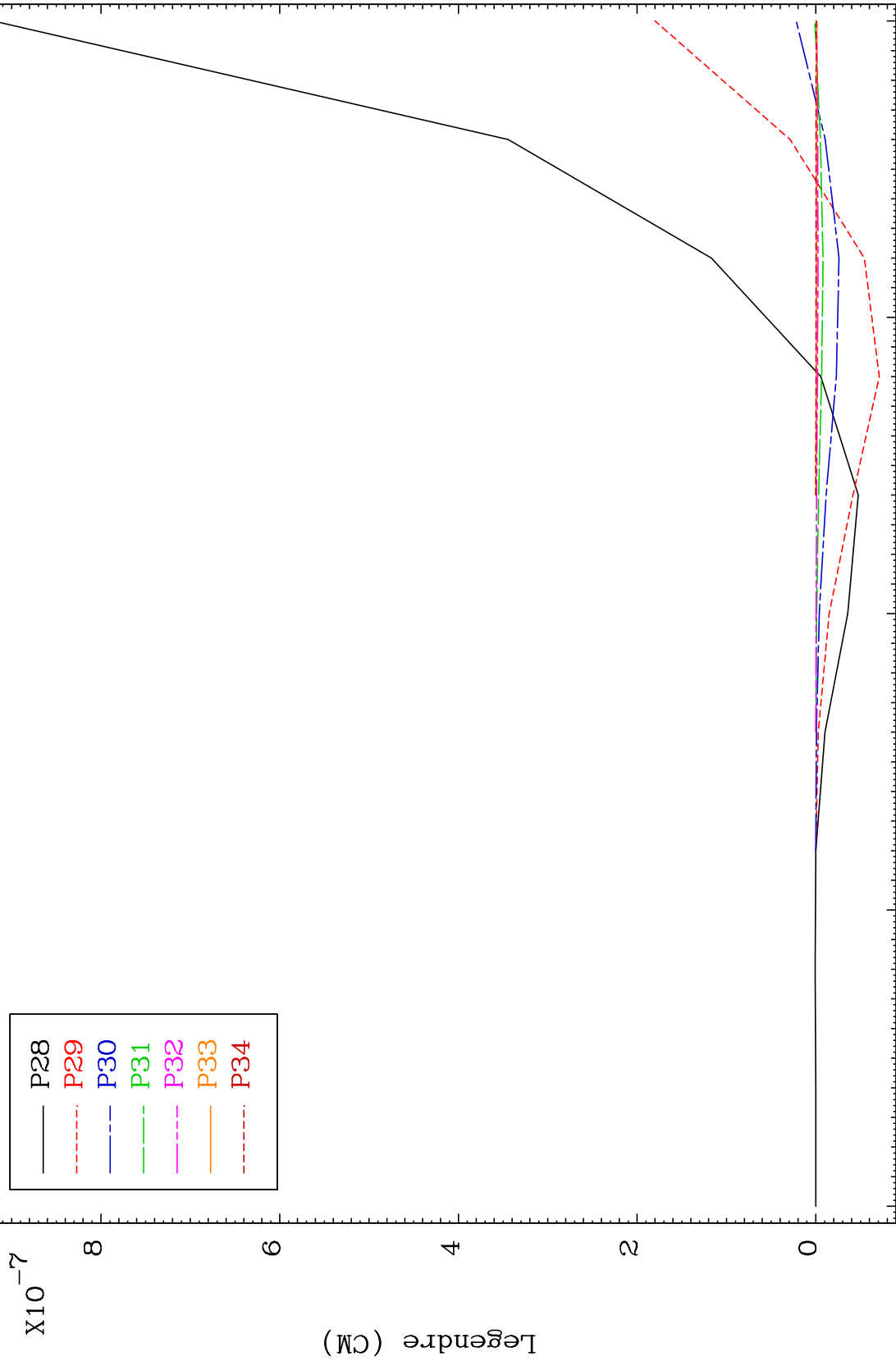
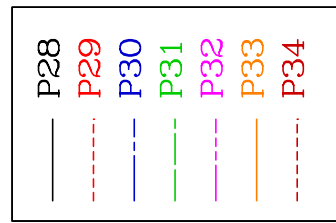
Incident Energy (MeV)

50-Sn-134

MAT 5091

Elastic
Legendre Coefficients

50-Sn-134

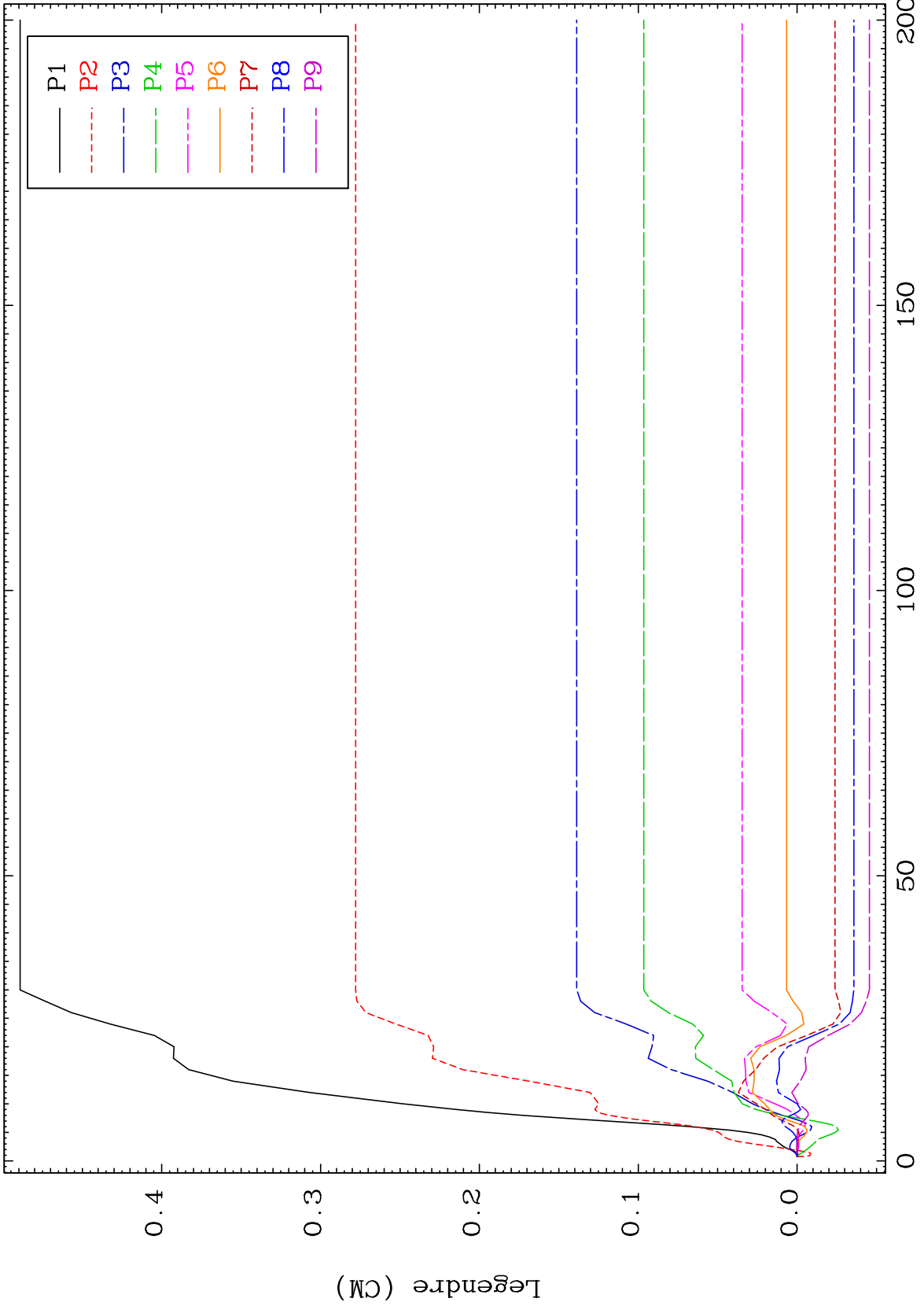


17

Incident Energy (MeV)

50-Sn-134

MAT 5091 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-134

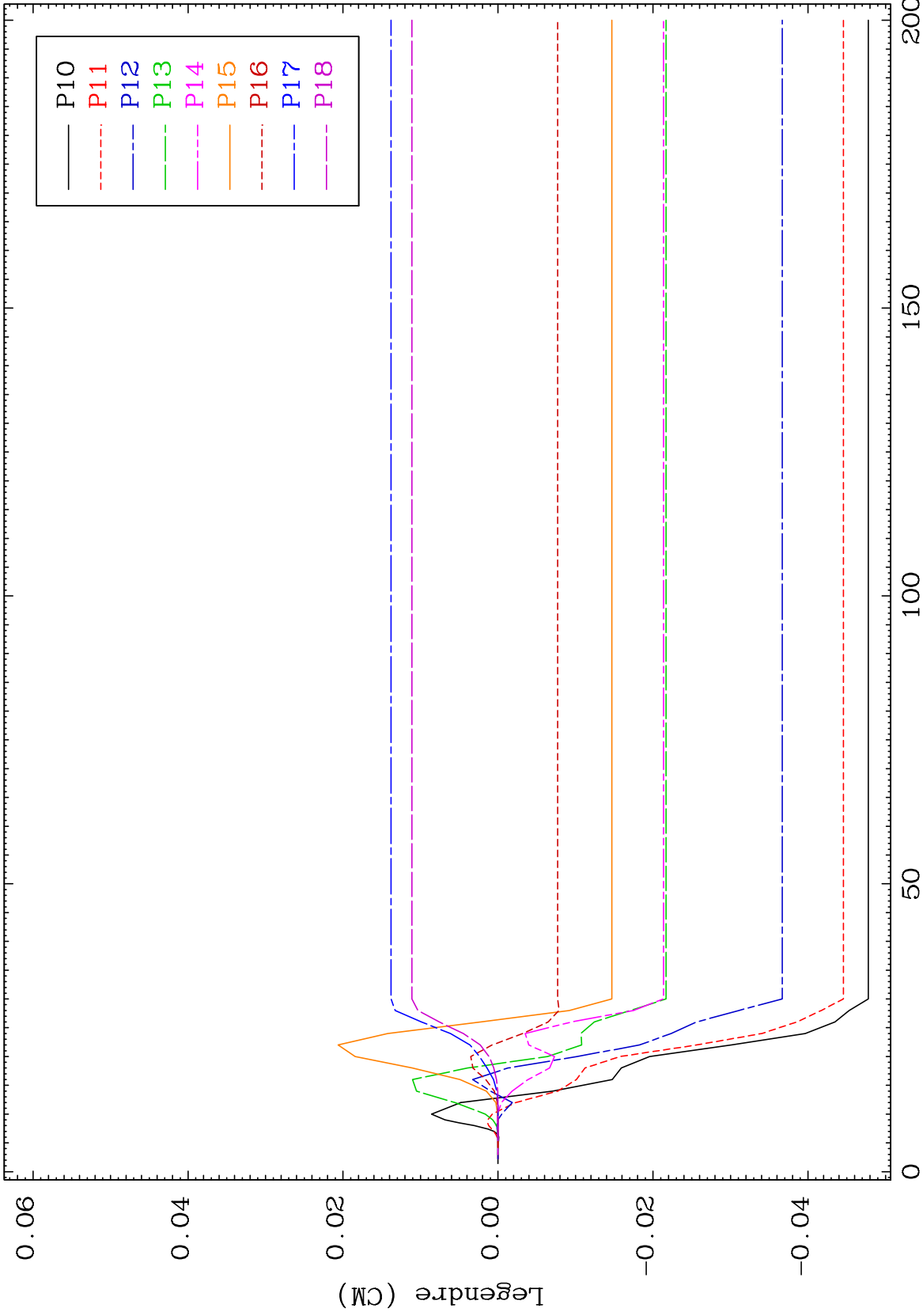


18 Incident Energy (MeV) 50-Sn-134

MAT 5091

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

50-Sn-134



19

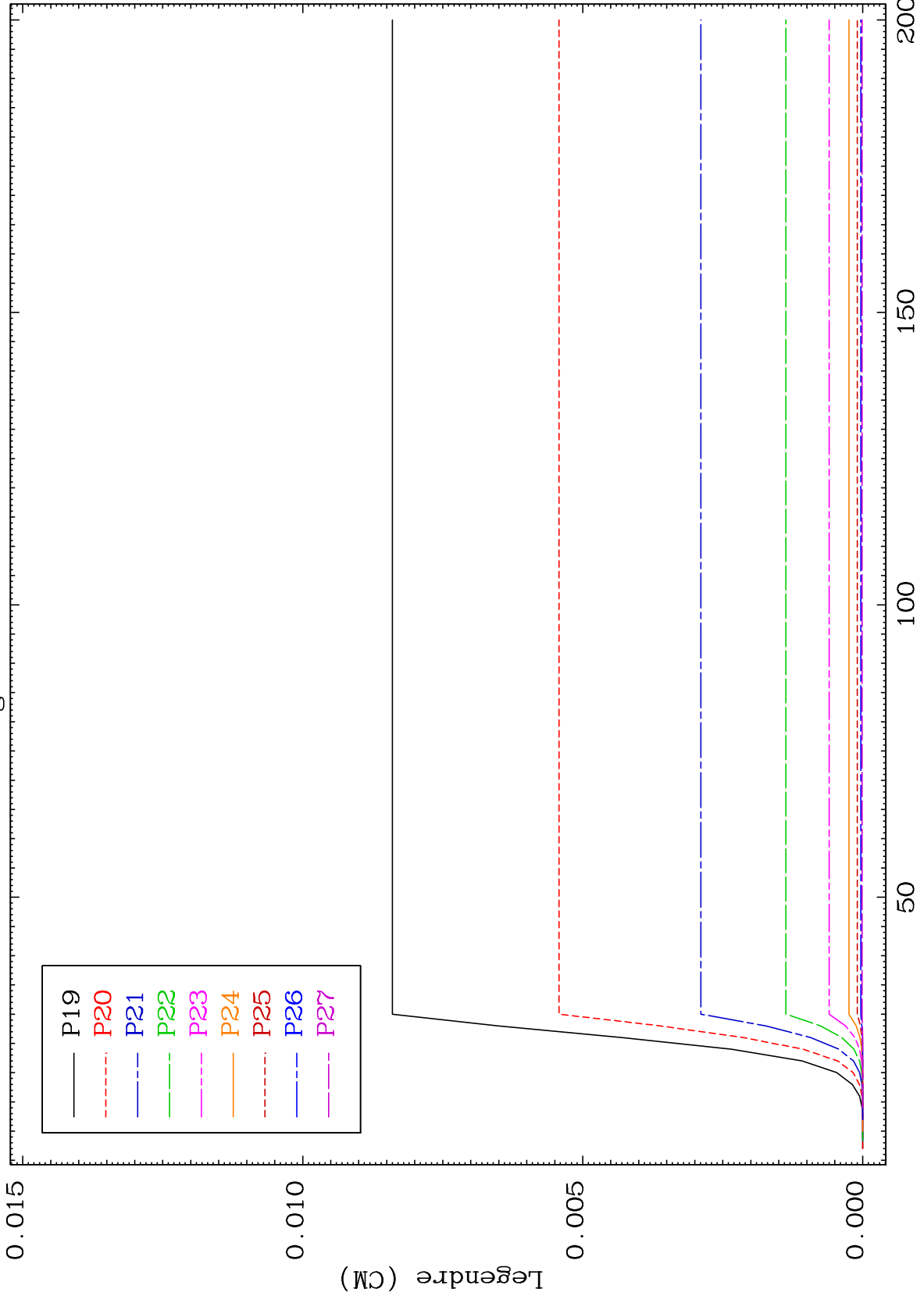
Incident Energy (MeV)

50-Sn-134

MAT 5091 MT= 51 (n,n') Level Legendre Coefficients

50-Sn-134

50-Sn-134



20

50

100

150

200

0.015

0.010

0.005

0.000

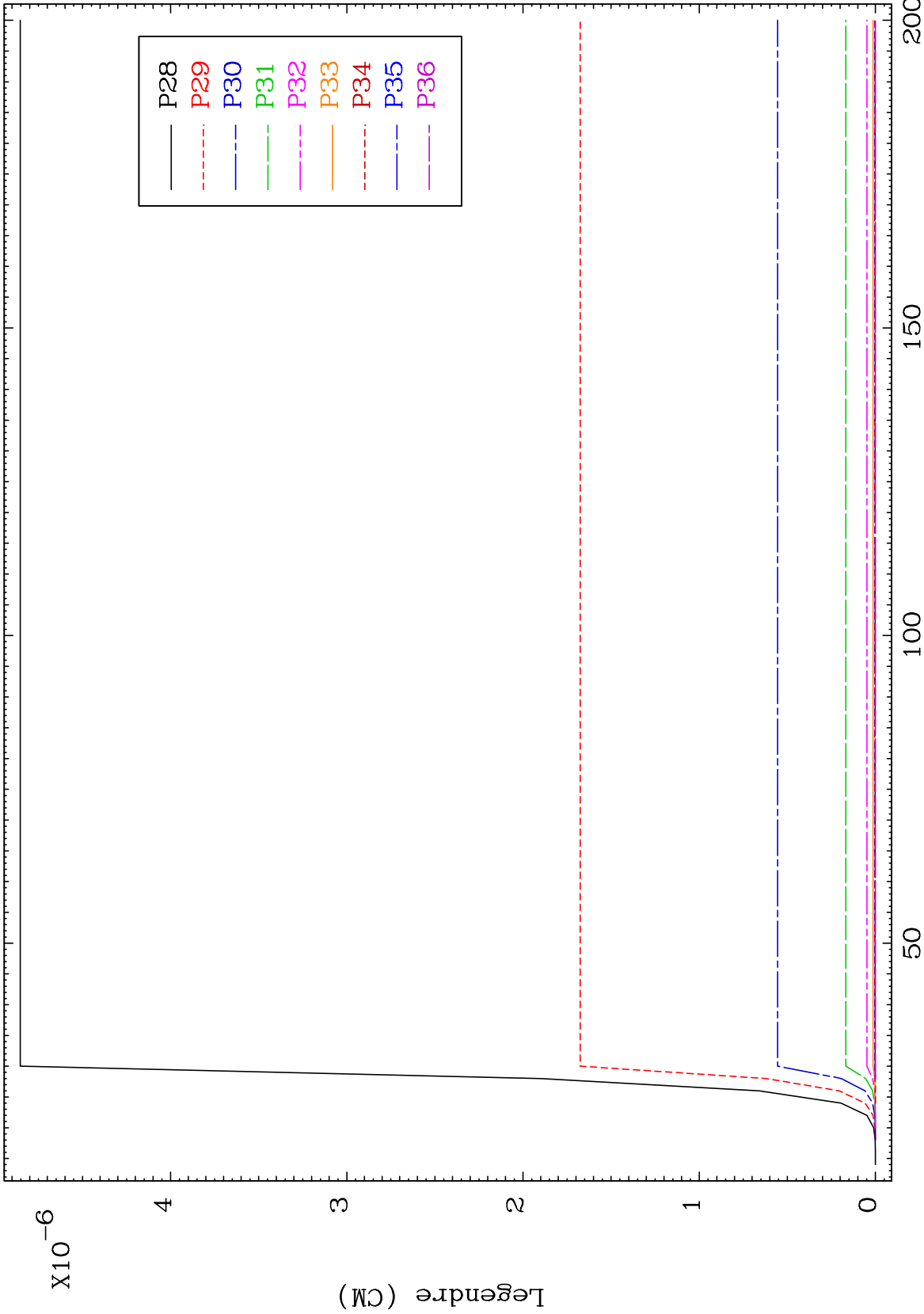
Legendre (CM)

Incident Energy (MeV)

MAT 5091

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

50-Sn-134



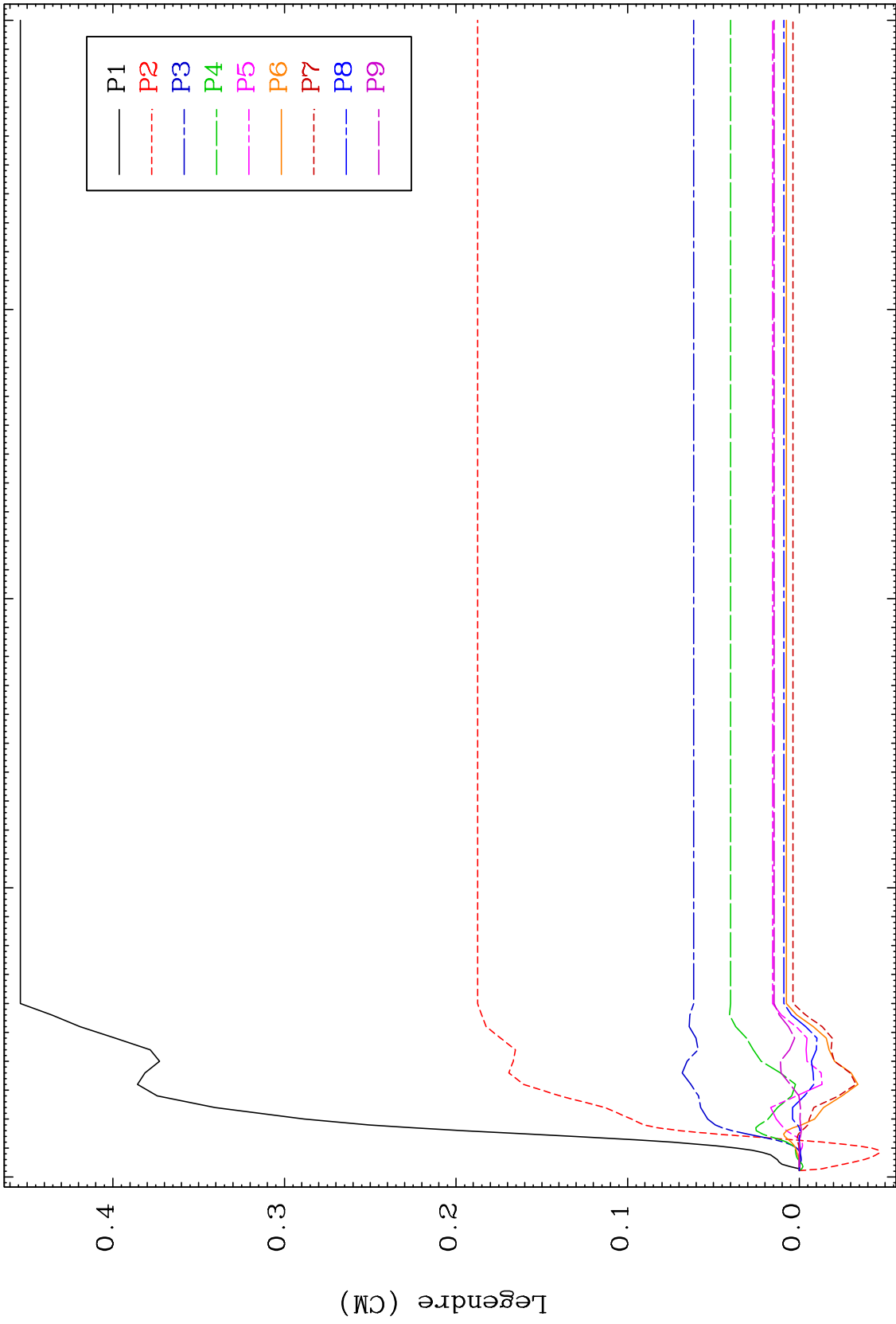
21

50-Sn-134

MAT 5091

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

50-Sn-134



22

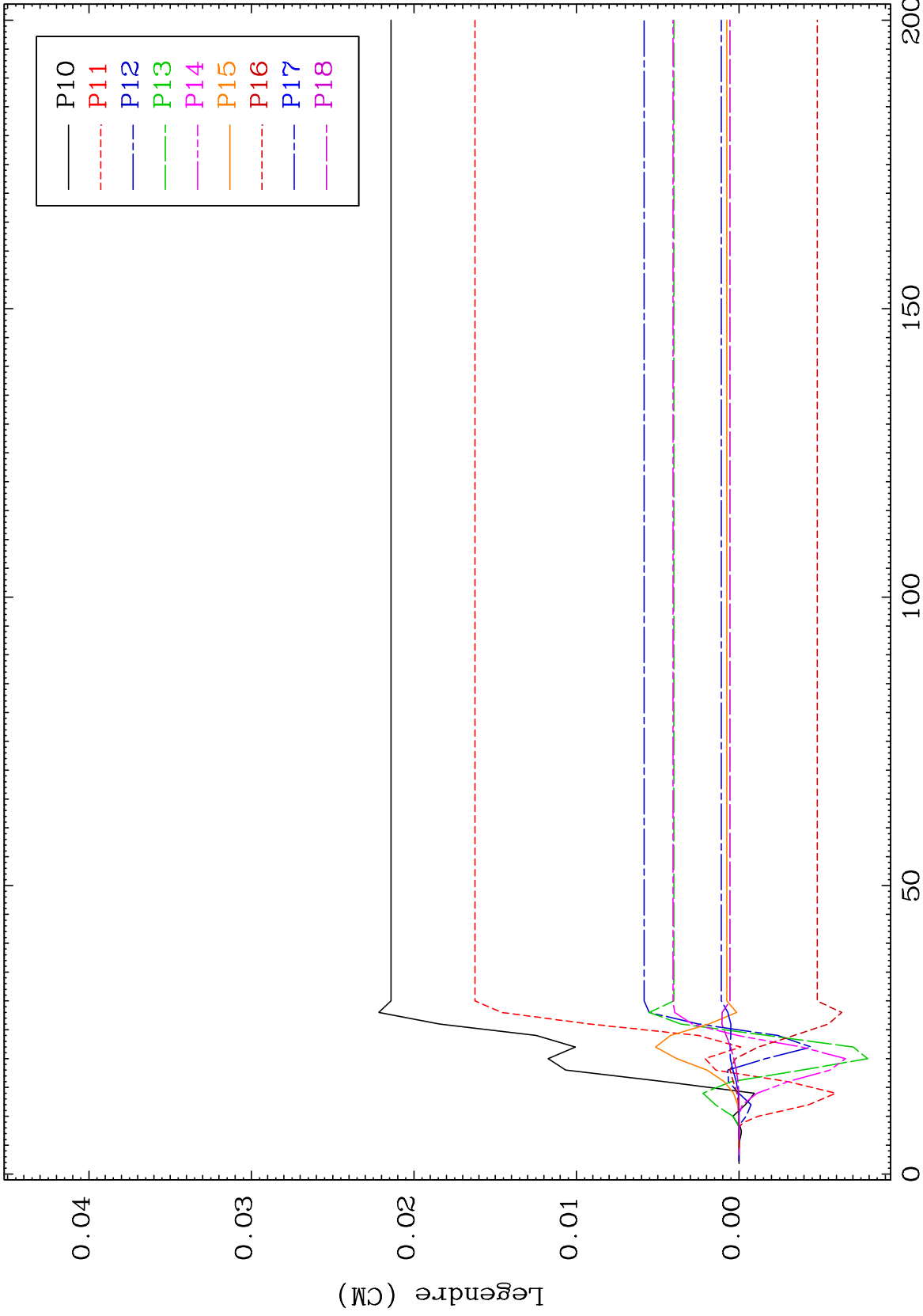
Incident Energy (MeV)

50-Sn-134

MAT 5091

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

50-Sn-134



23

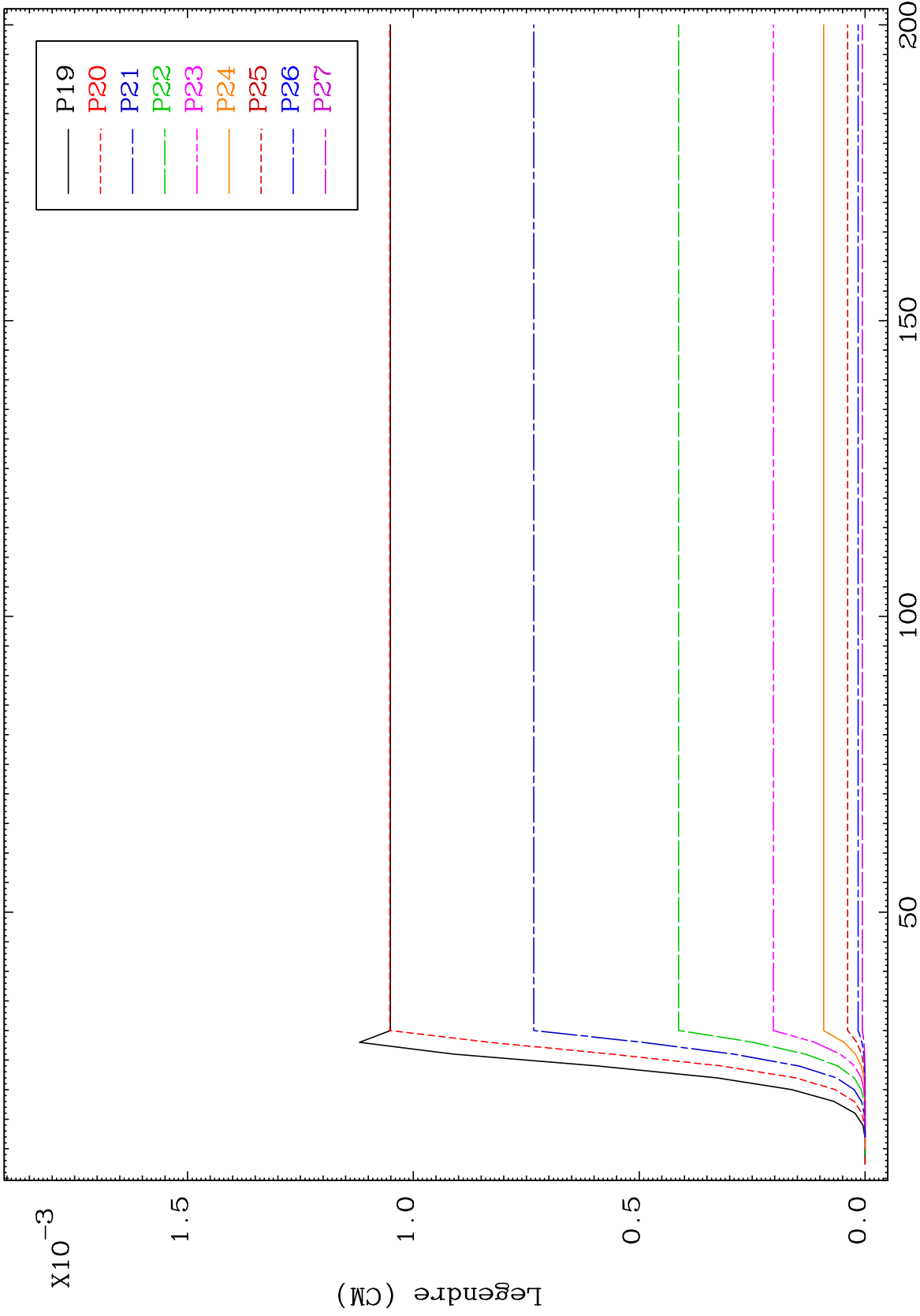
Incident Energy (MeV)

50-Sn-134

MAT 5091

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

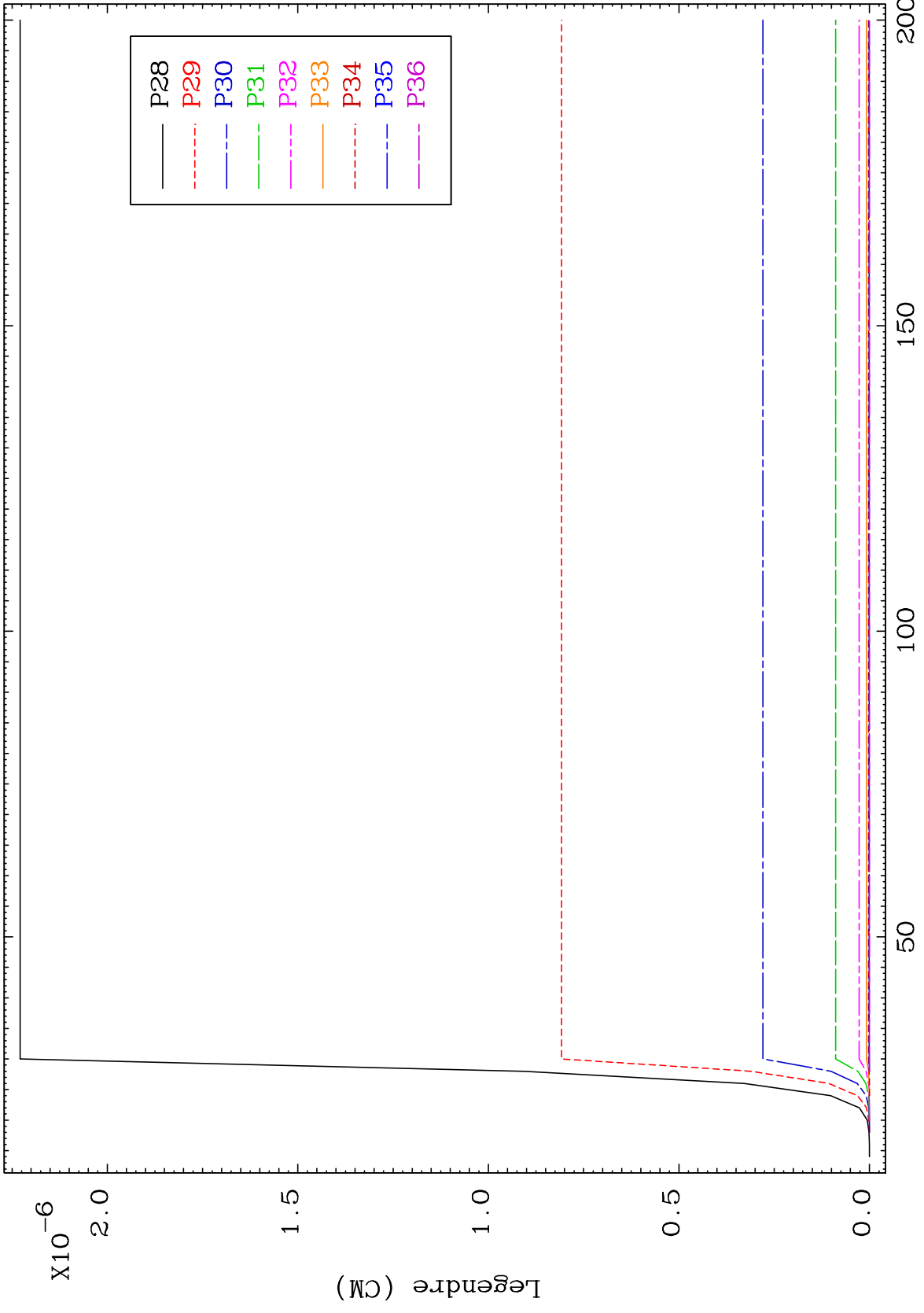
50-Sn-134



24

50-Sn-134

MAT 5091 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-134

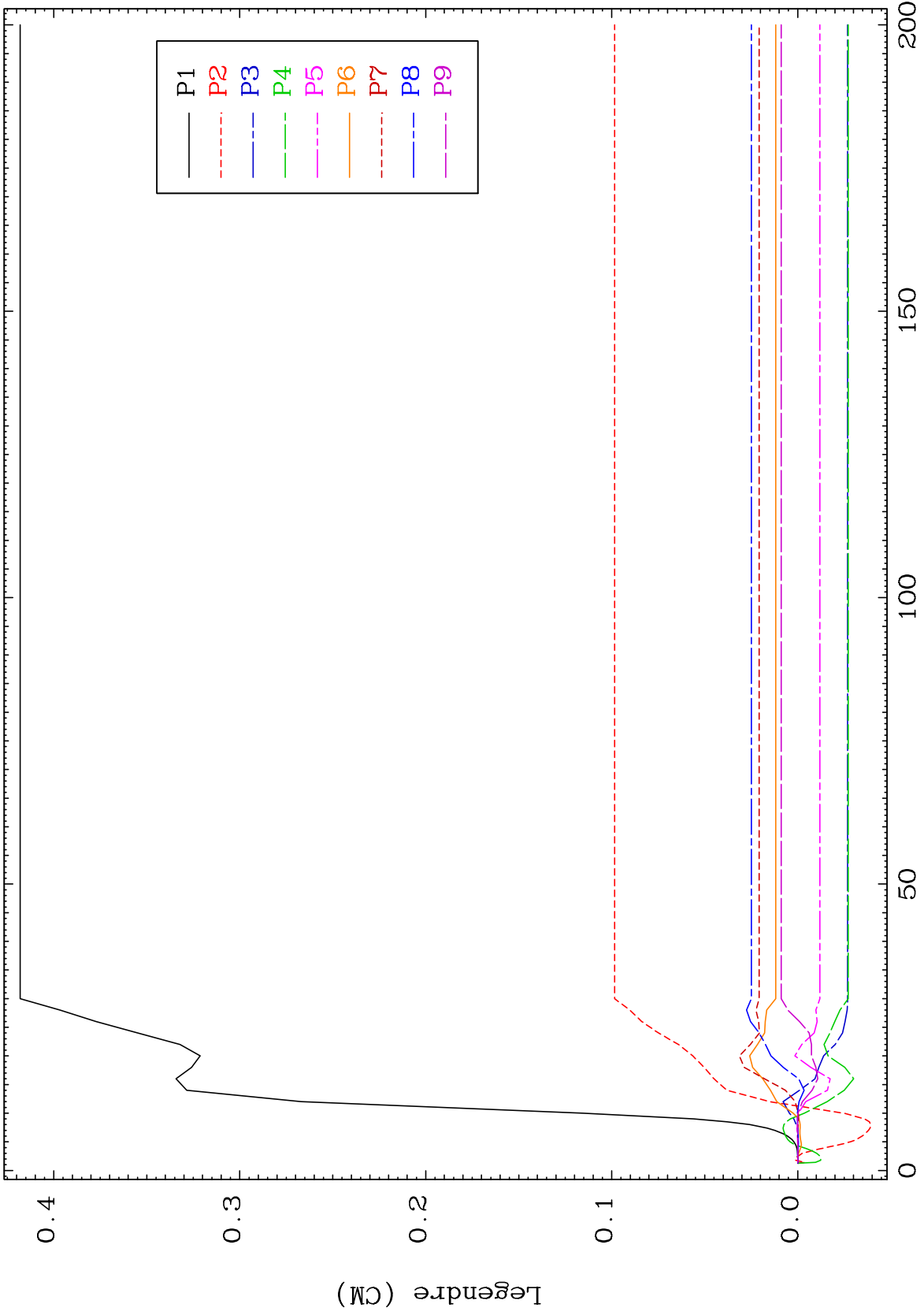


25 50 100 150 200 50-Sn-134

MAT 5091

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

50-Sn-134

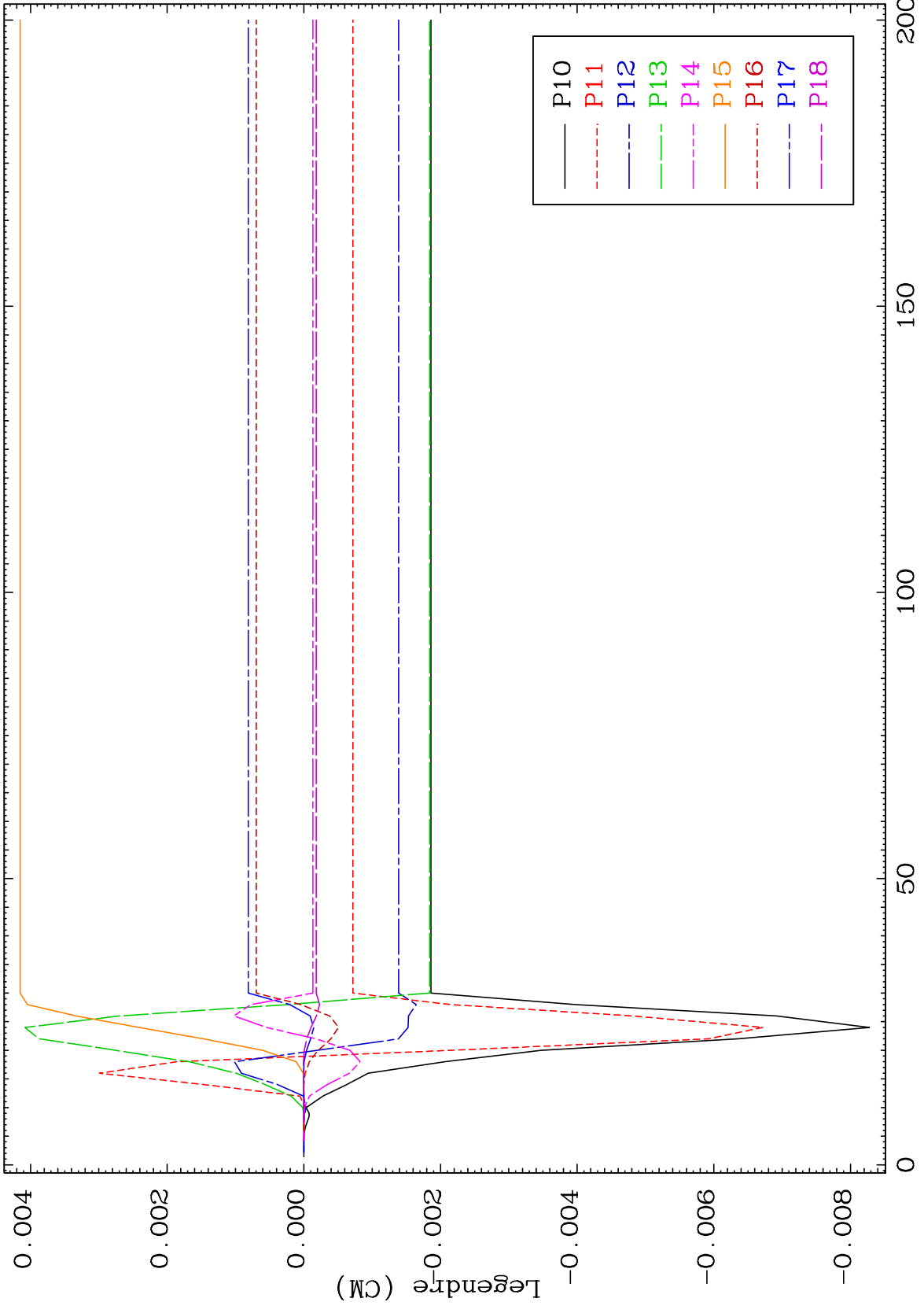


26

Incident Energy (MeV)

50-Sn-134

MAT 5091 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-134

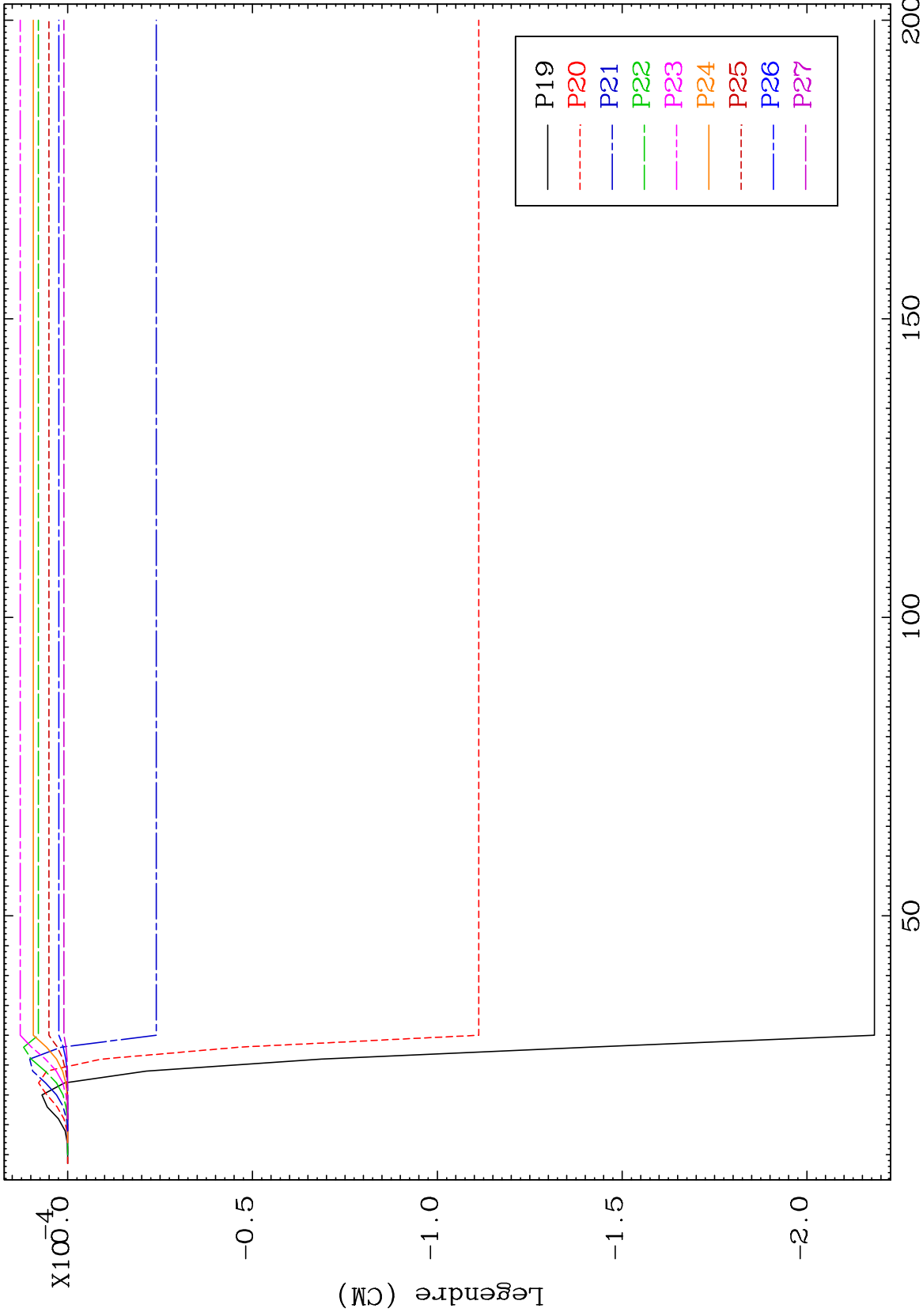


27 Incident Energy (MeV) 50-Sn-134

MAT 5091

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

50-Sn-134



50-Sn-134

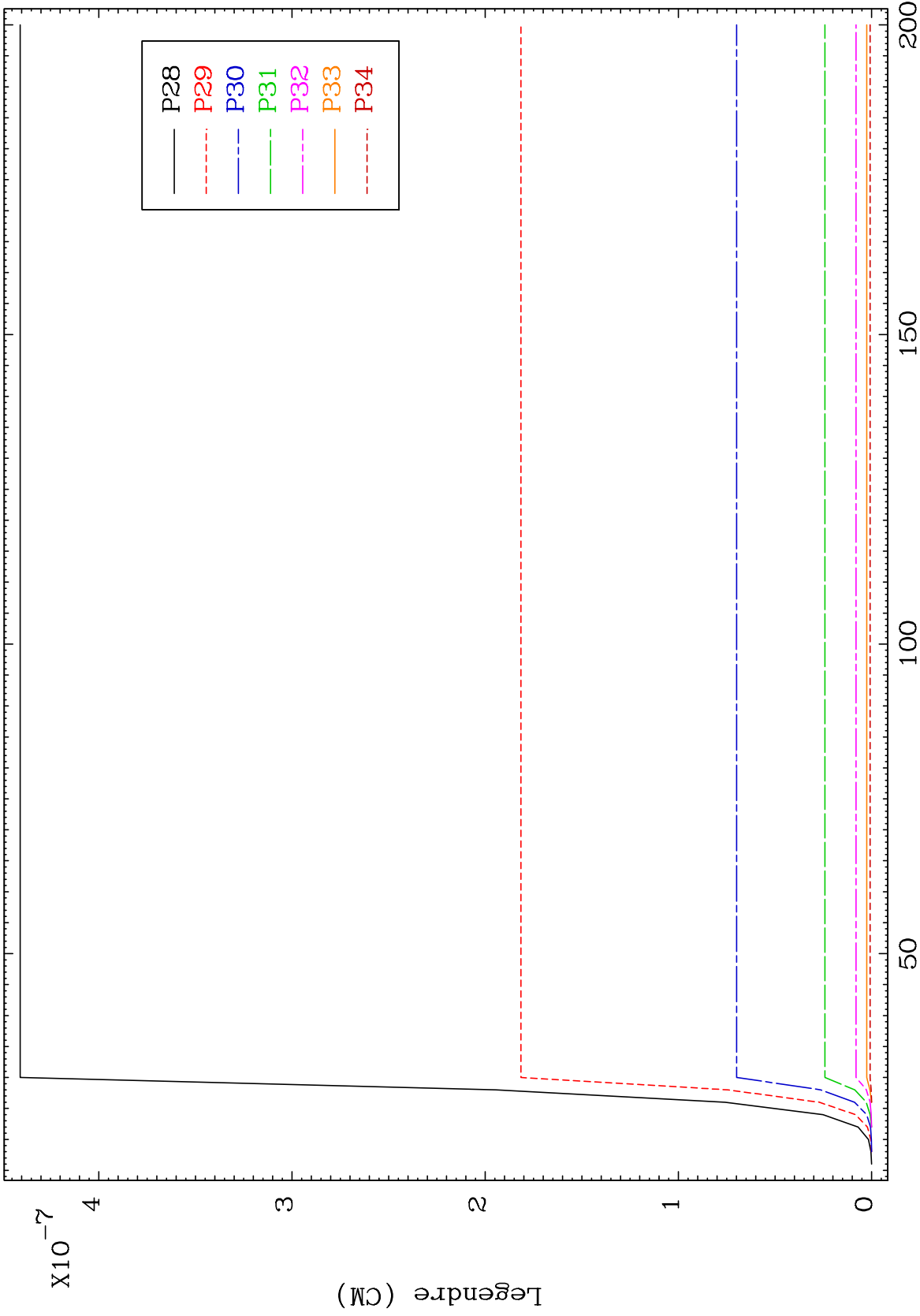
Incident Energy (MeV)

28

MAT 5091

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

50-Sn-134



29

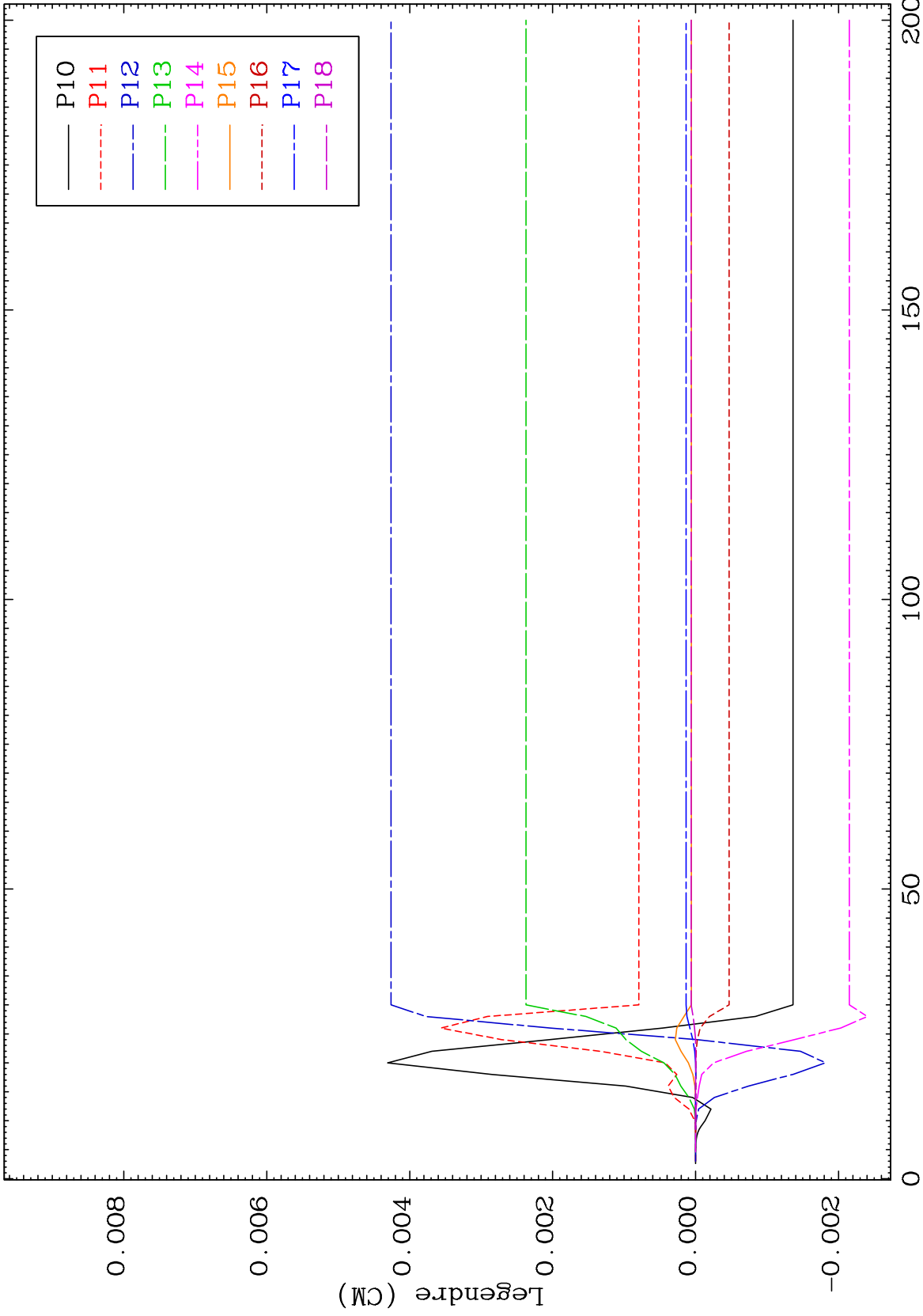
Incident Energy (MeV)

50-Sn-134

MAT 5091

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

50-Sn-134



31

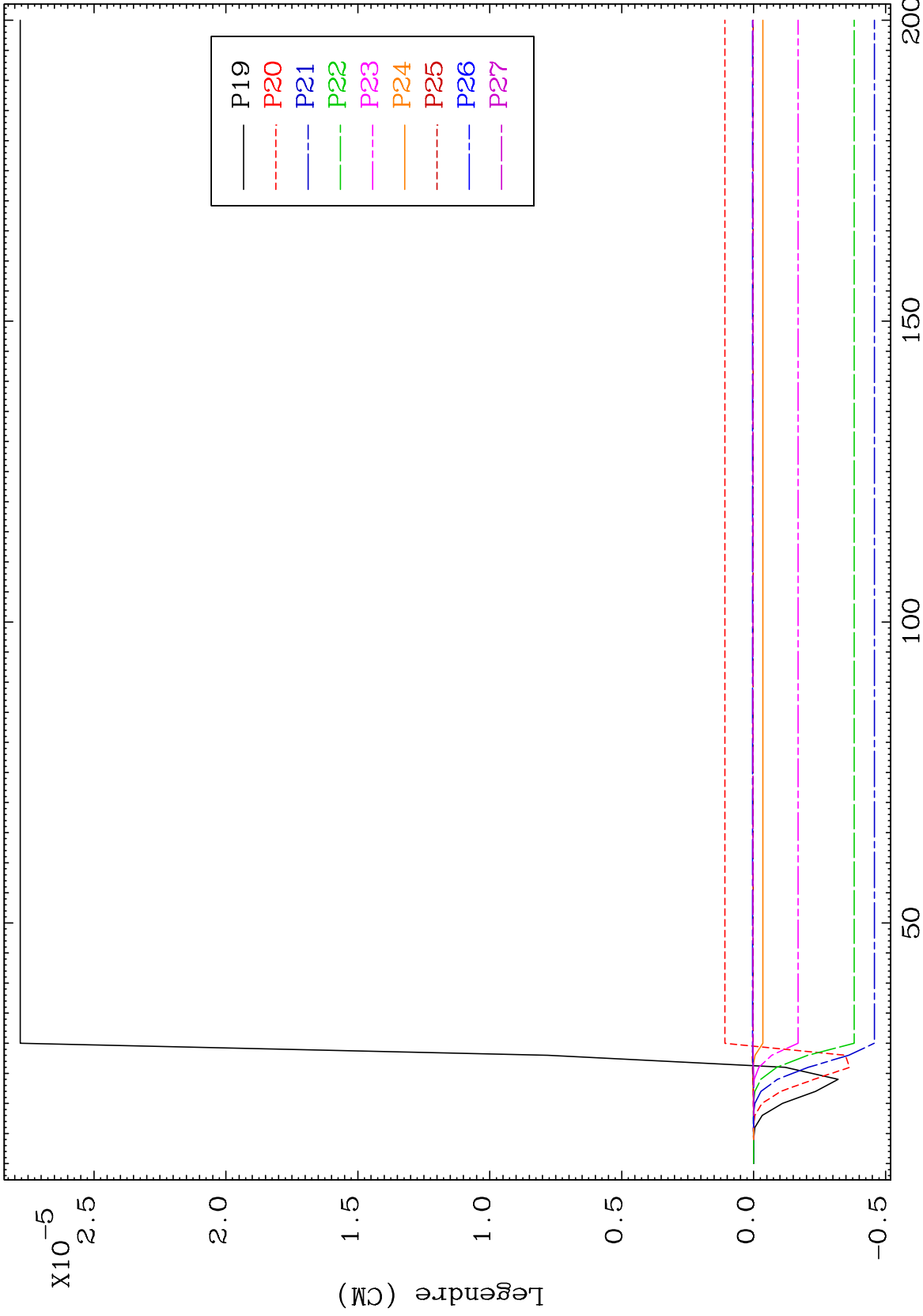
Incident Energy (MeV)

50-Sn-134

MAT 5091

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

50-Sn-134

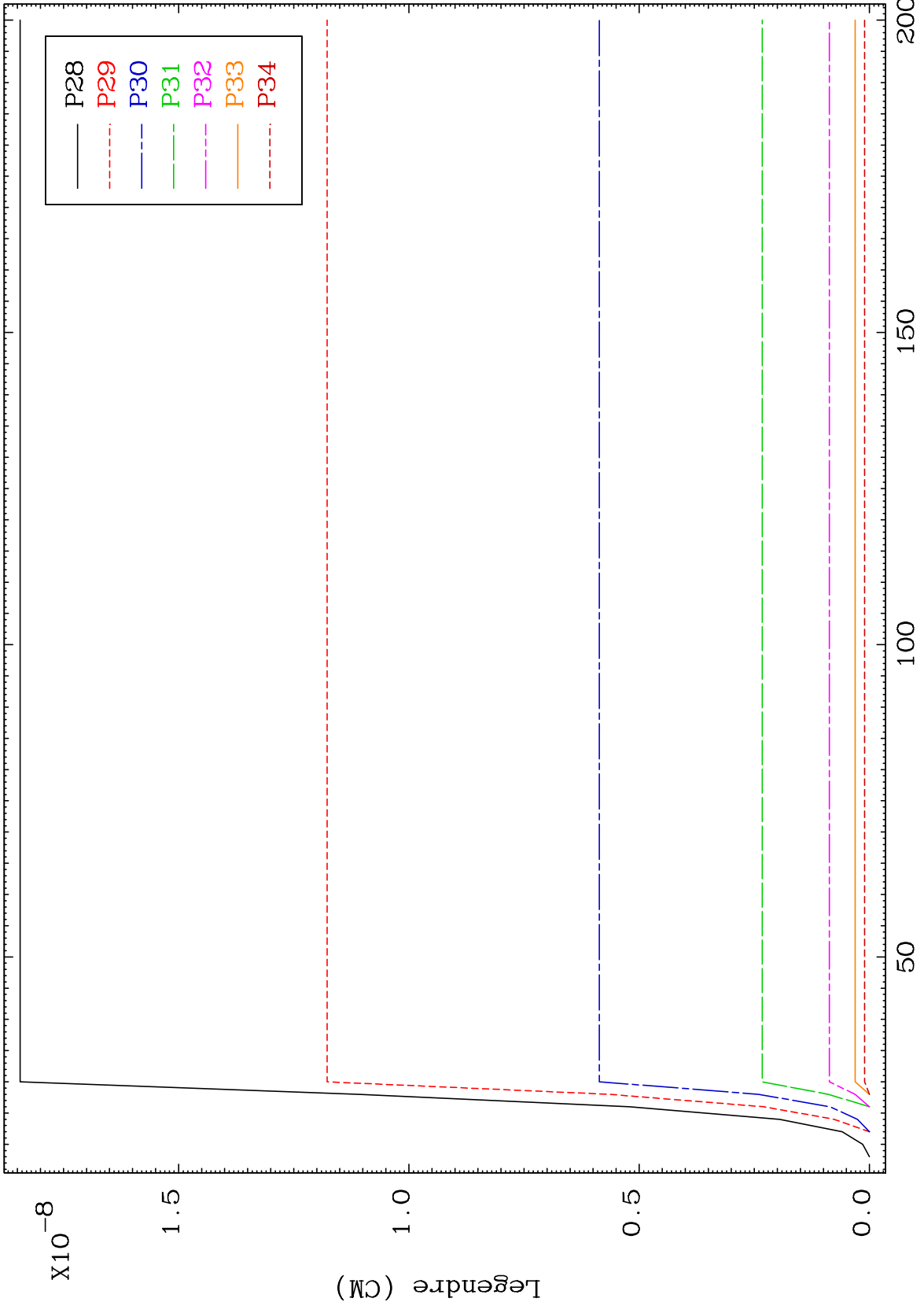


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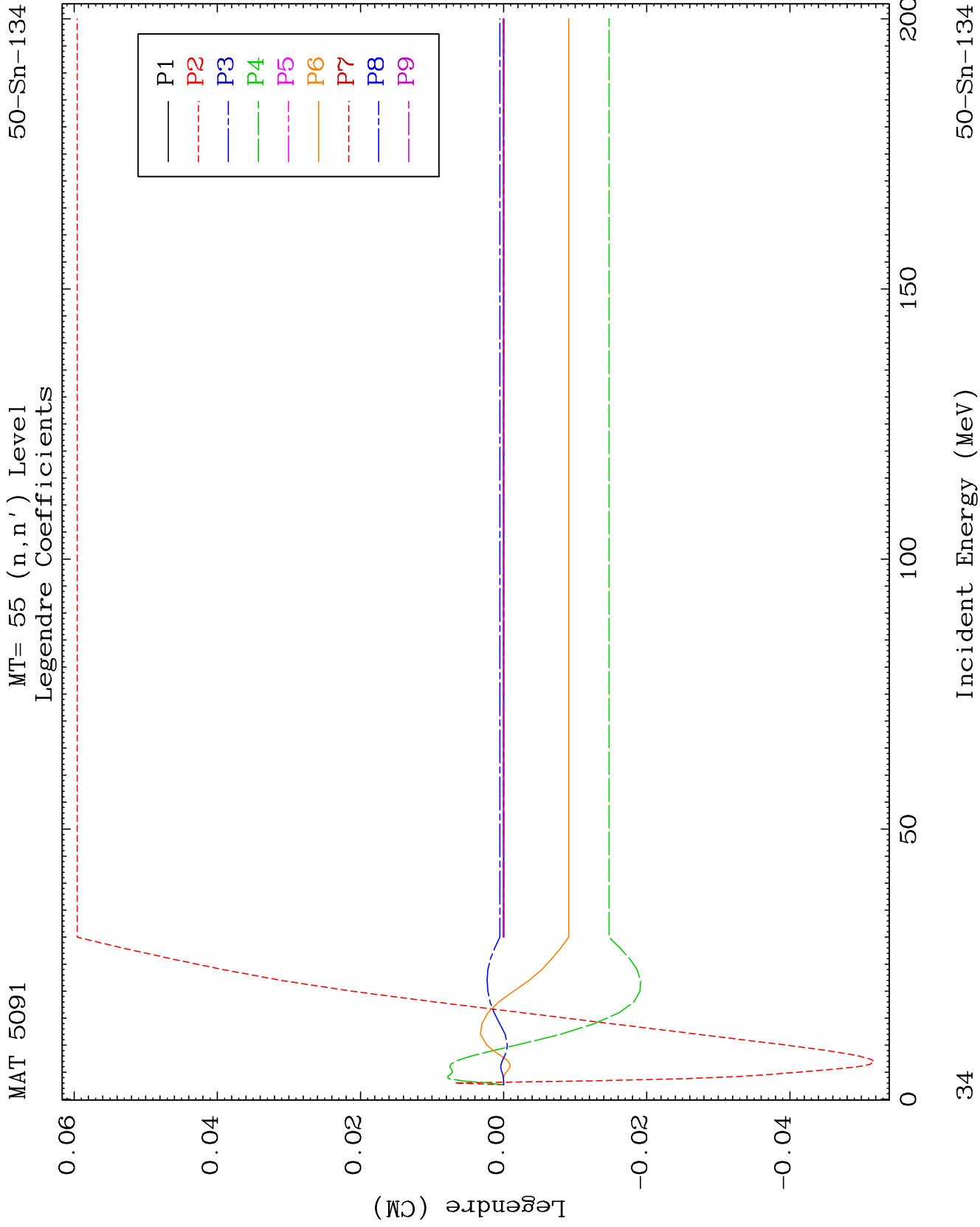
Incident Energy (MeV)

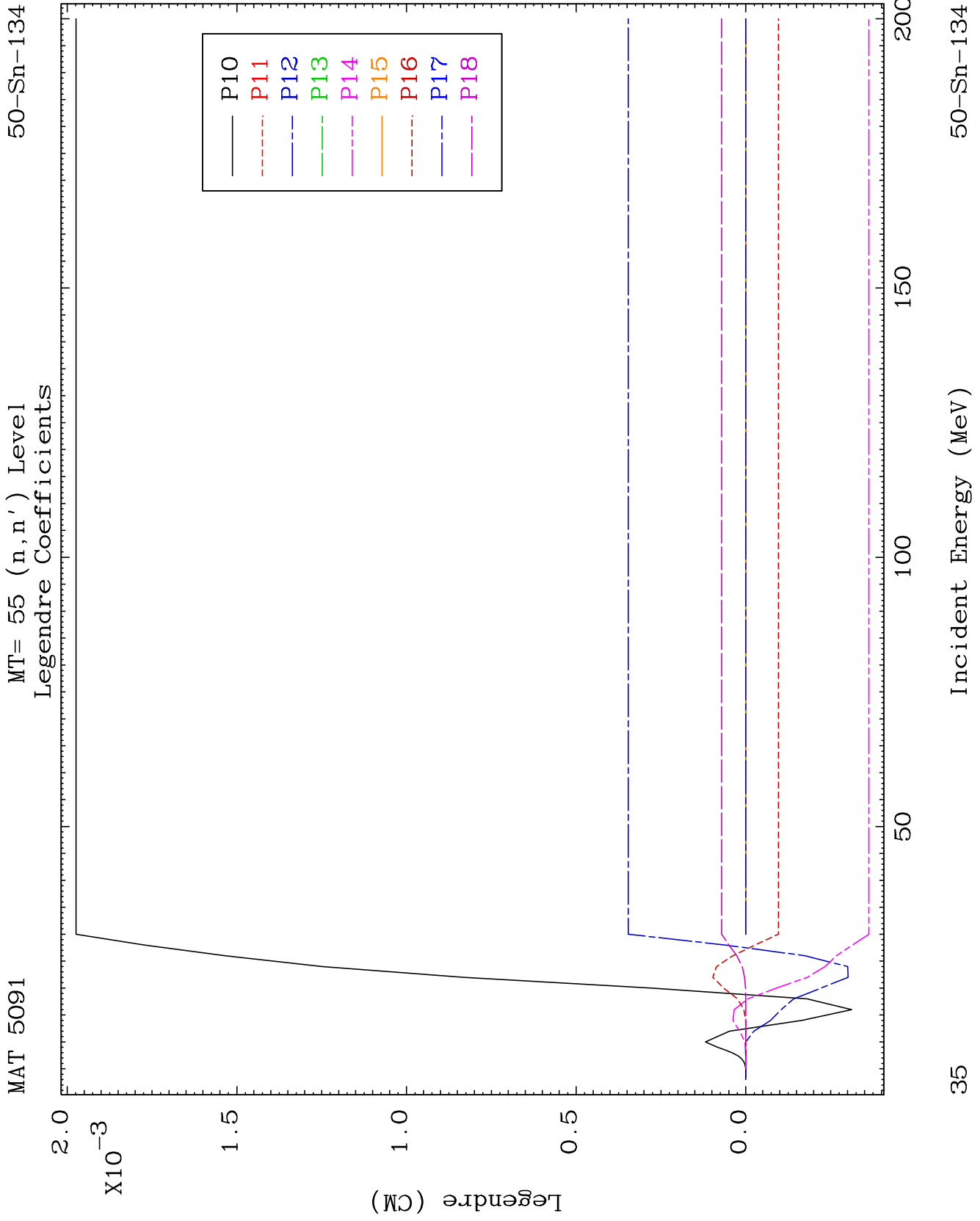
50-Sn-134

MAT 5091 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-134

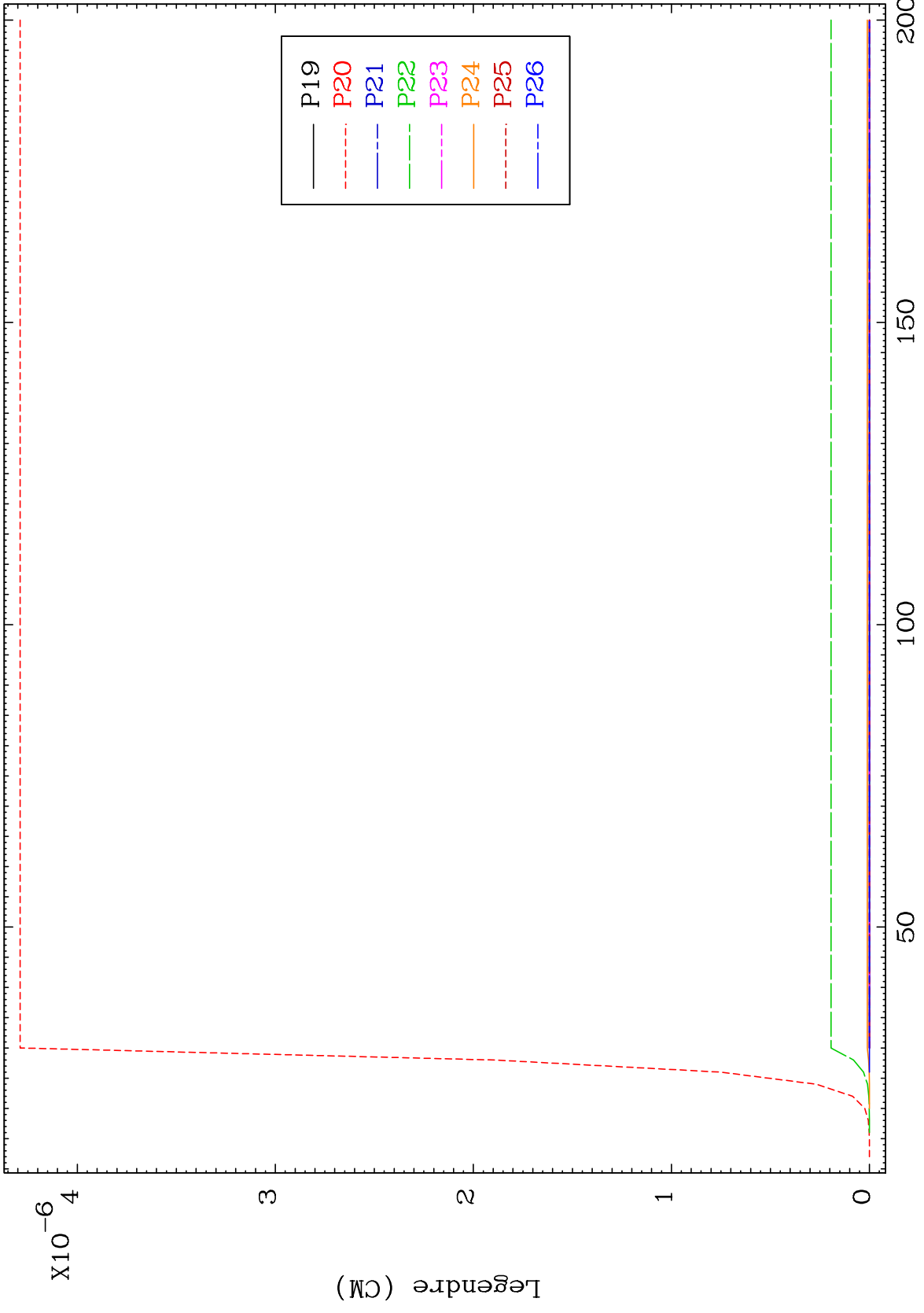


33 Incident Energy (MeV) 50-Sn-134





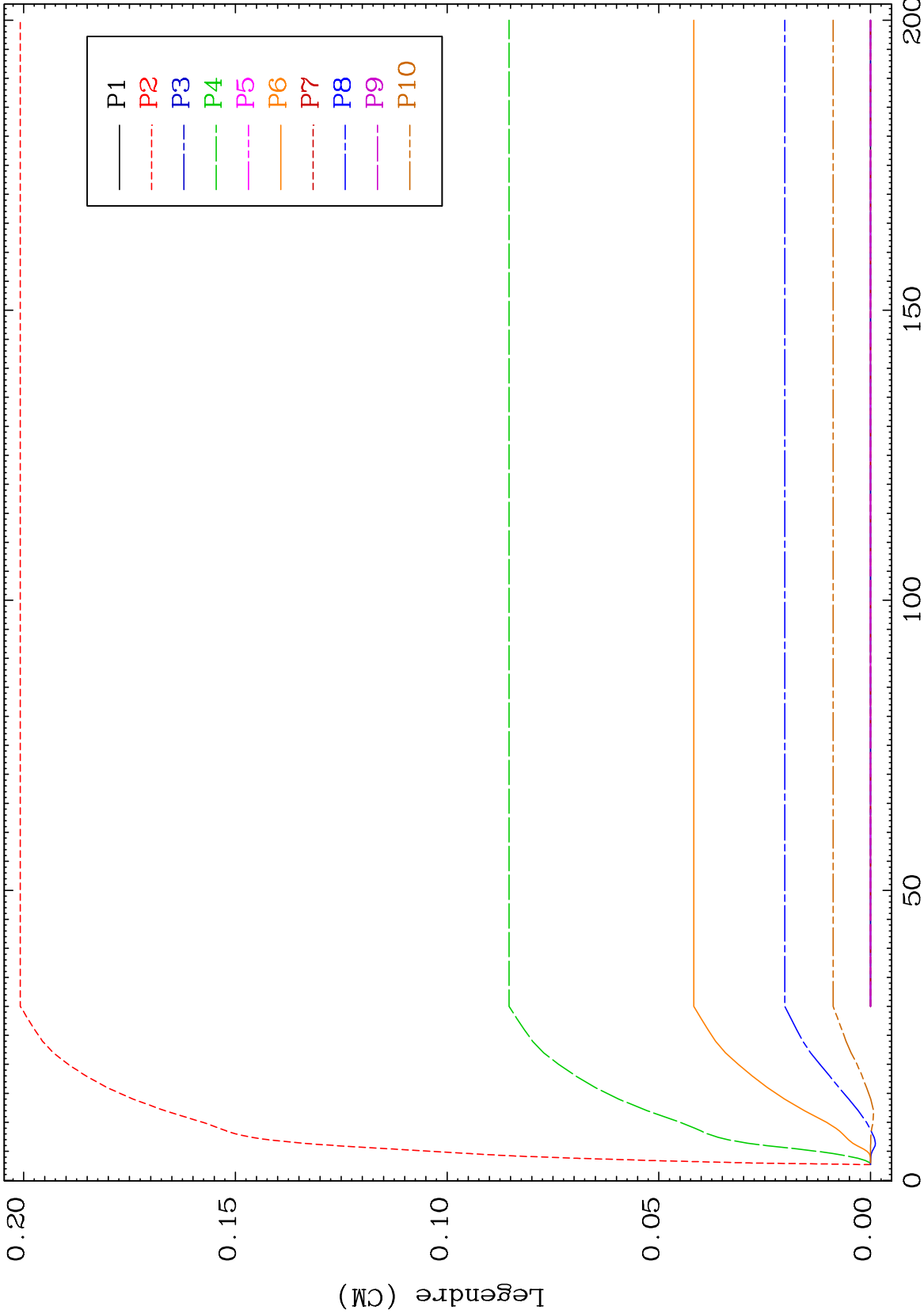
MAT 5091 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-134



36 Incident Energy (MeV) 50-Sn-134

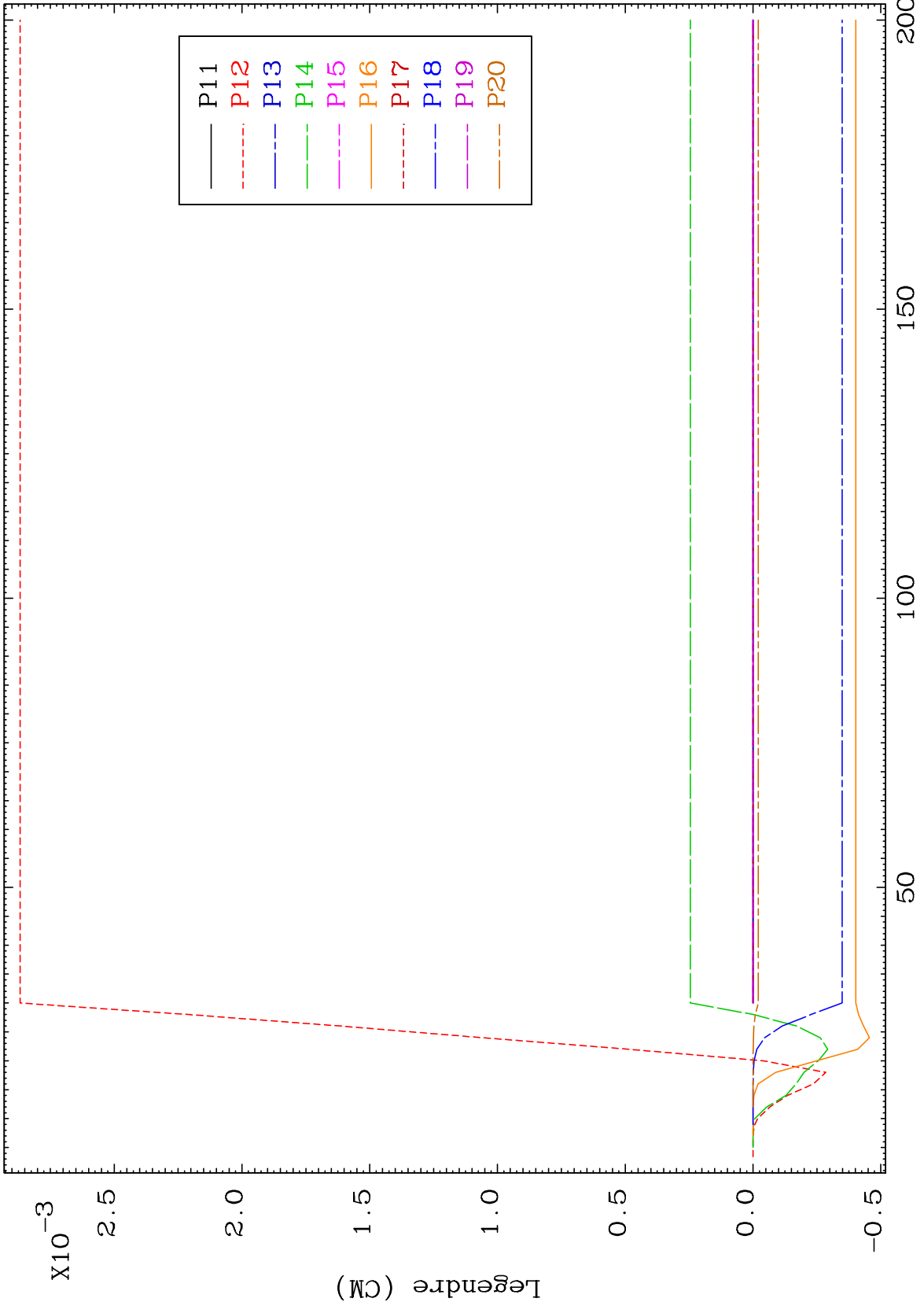
MAT 5091 MT= 56 (n,n') Level Legendre Coefficients

50-Sn-134

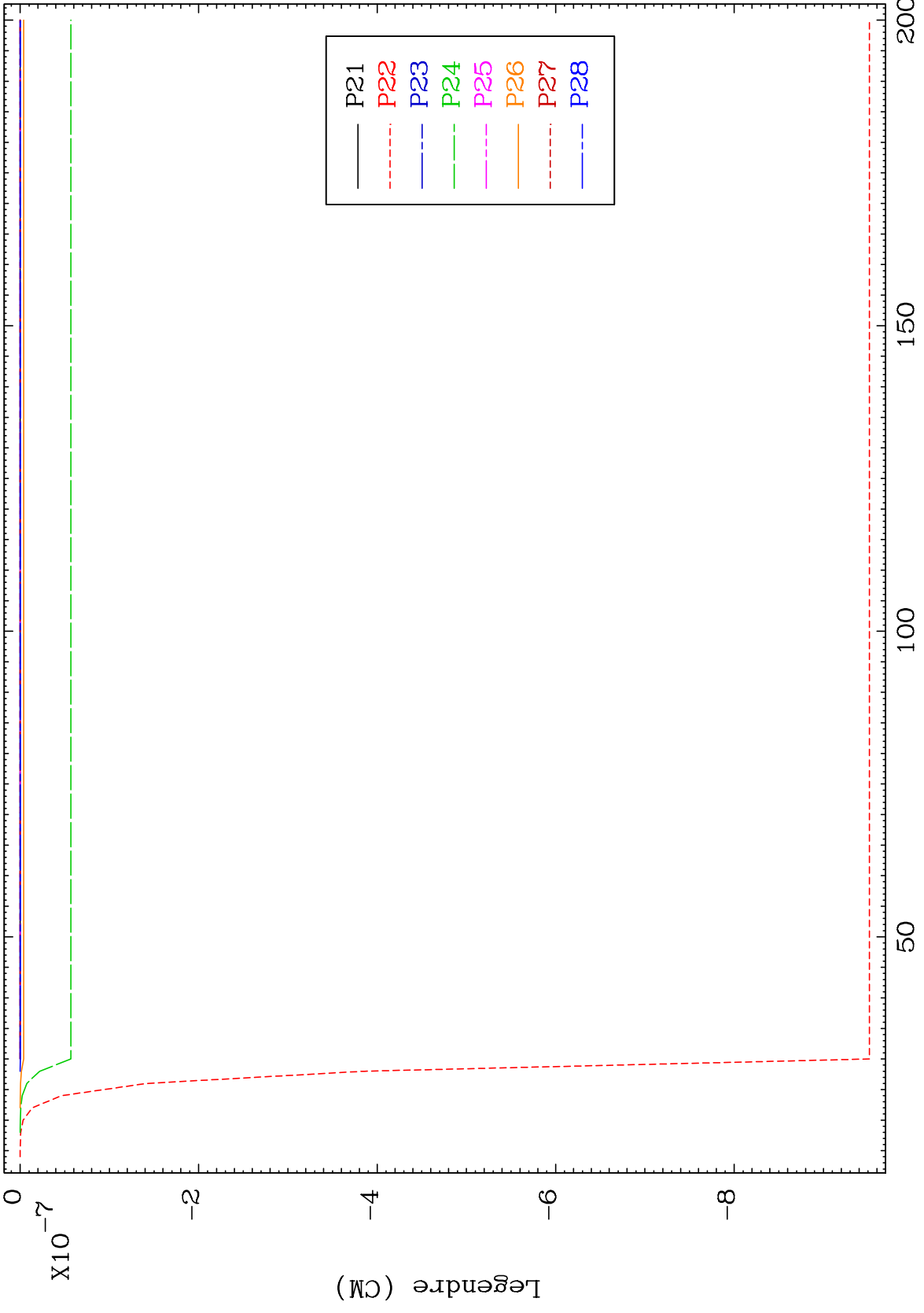


50-Sn-134

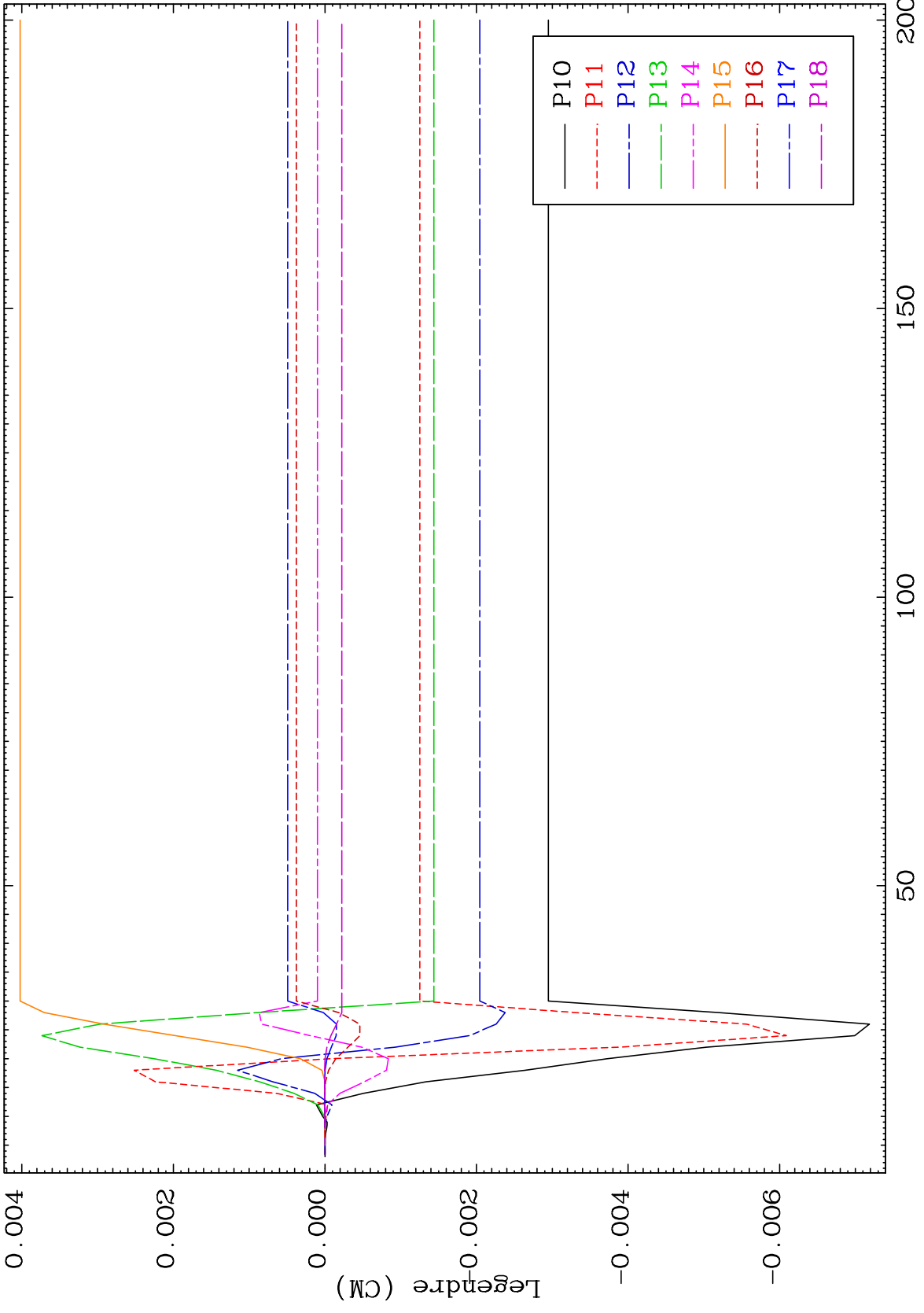
MAT 5091 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-134



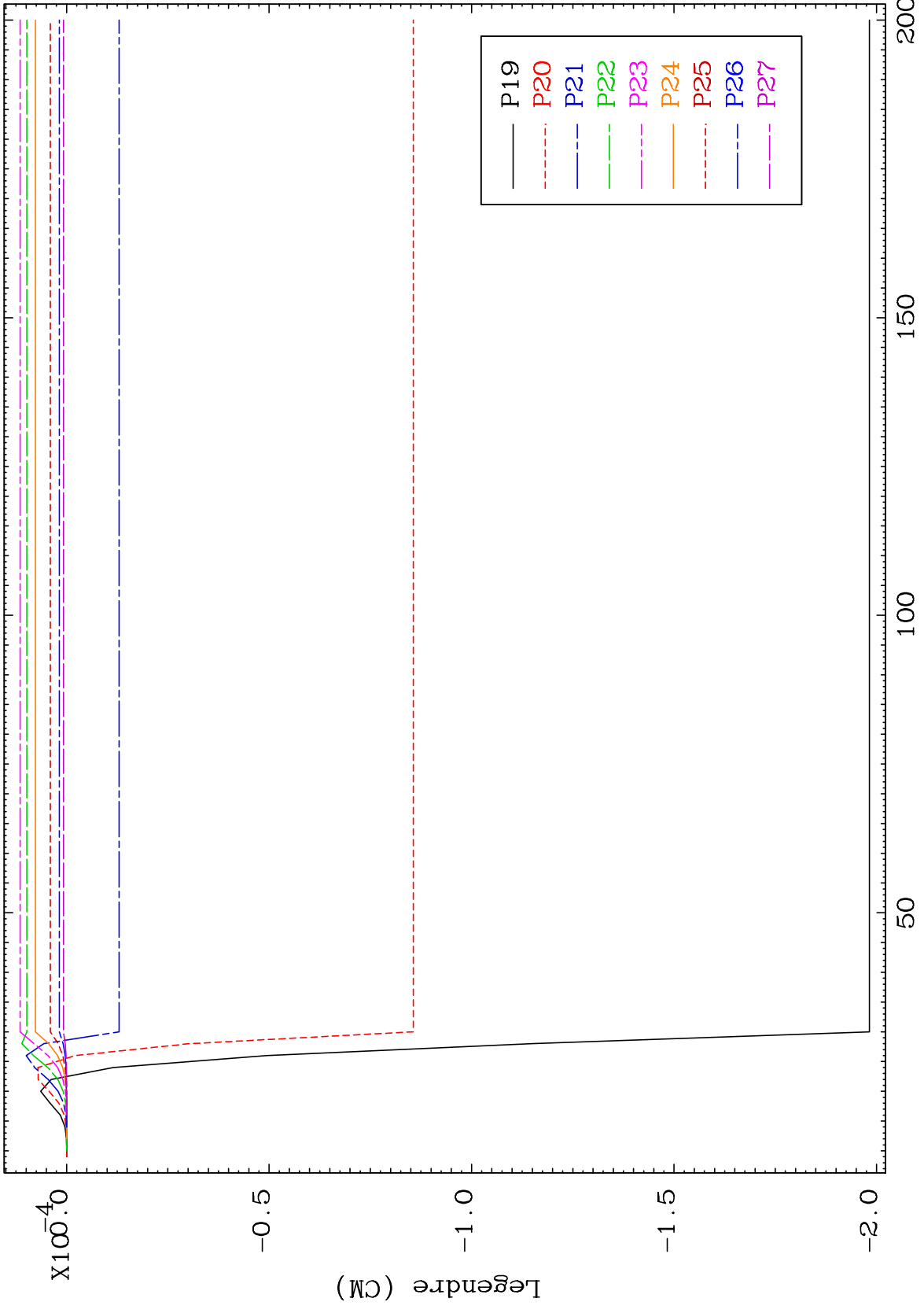
MAT 5091 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-134



MAT 5091 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-134

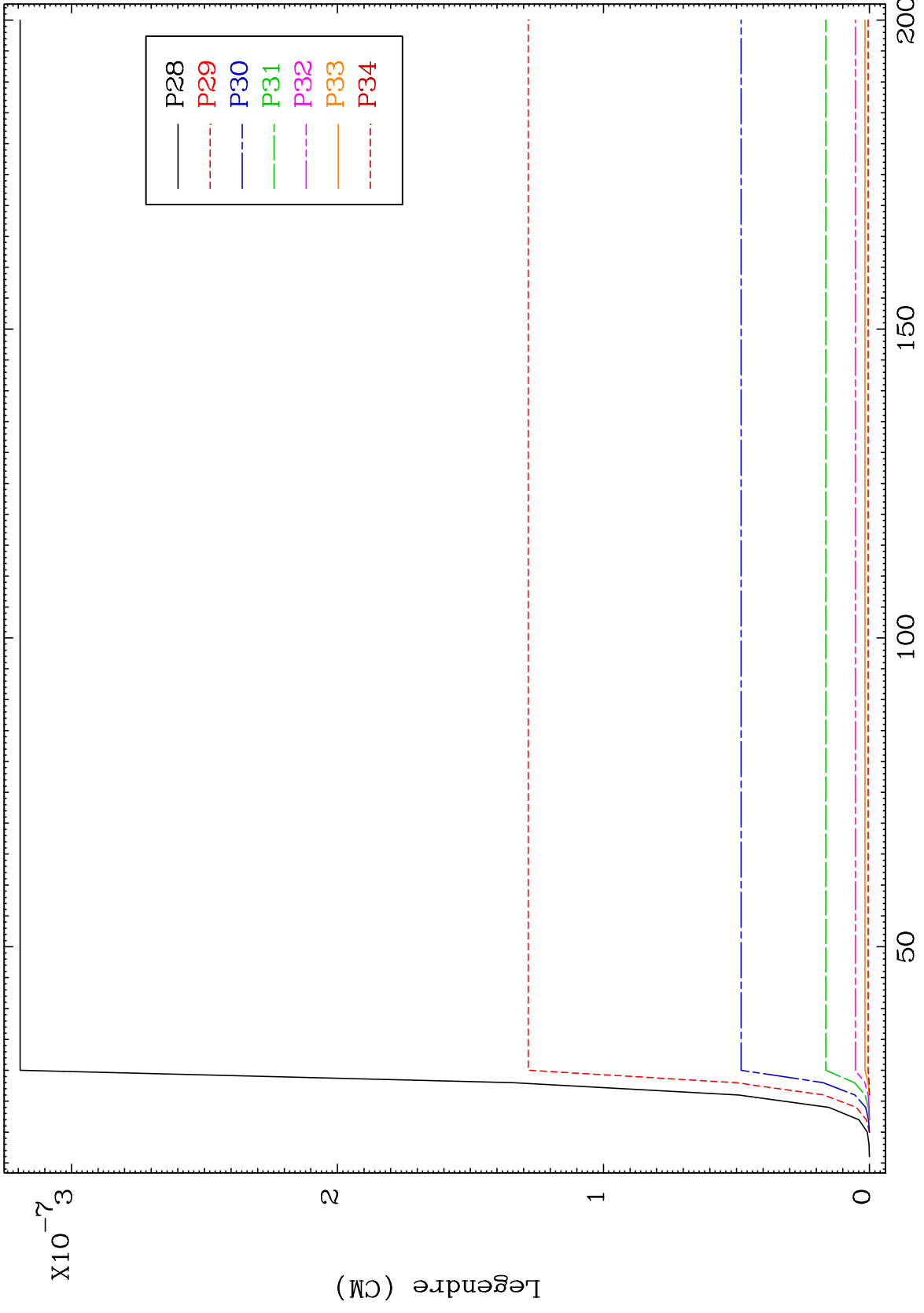


MAT 5091 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-134



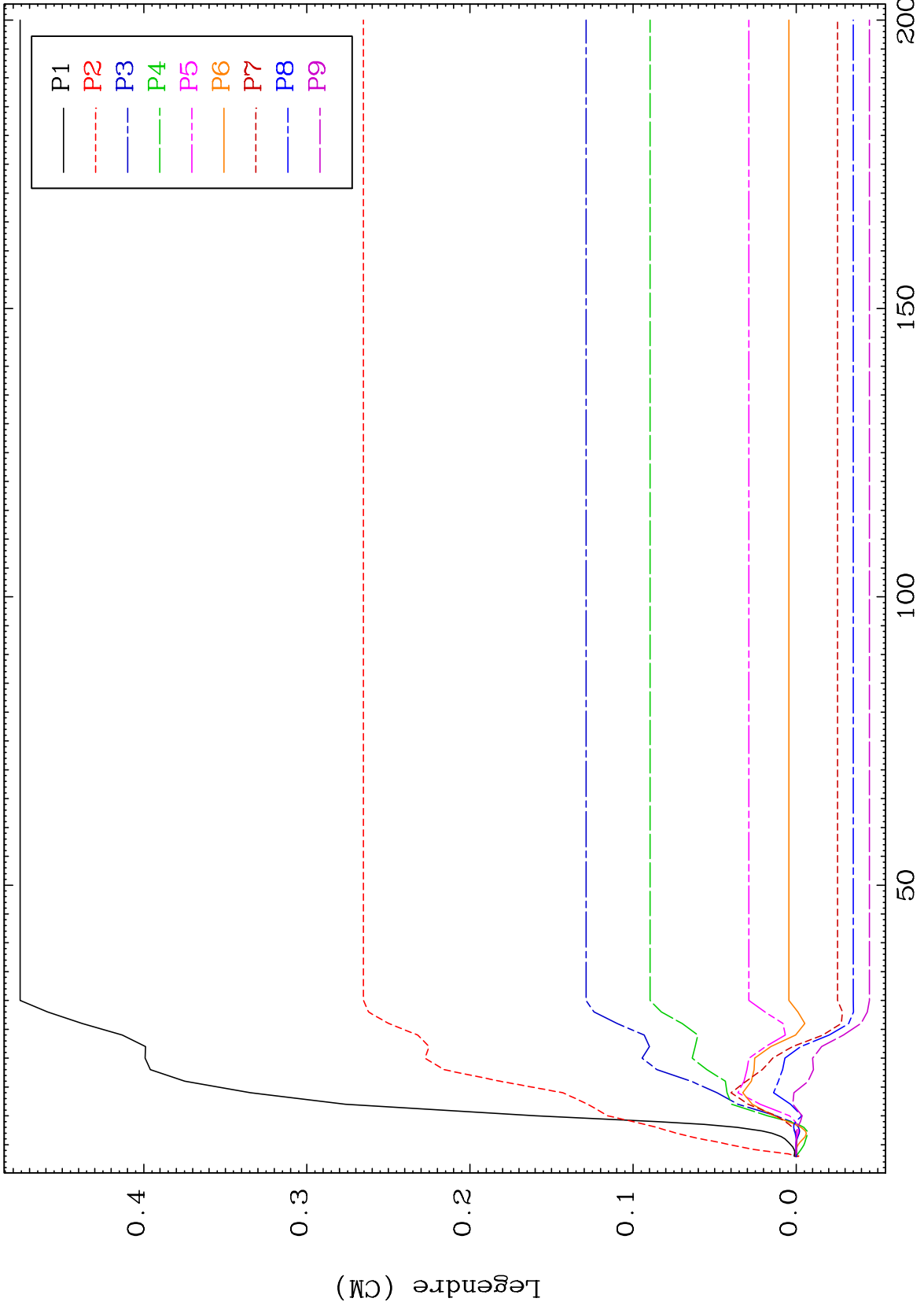
42 Incident Energy (MeV) 50-Sn-134

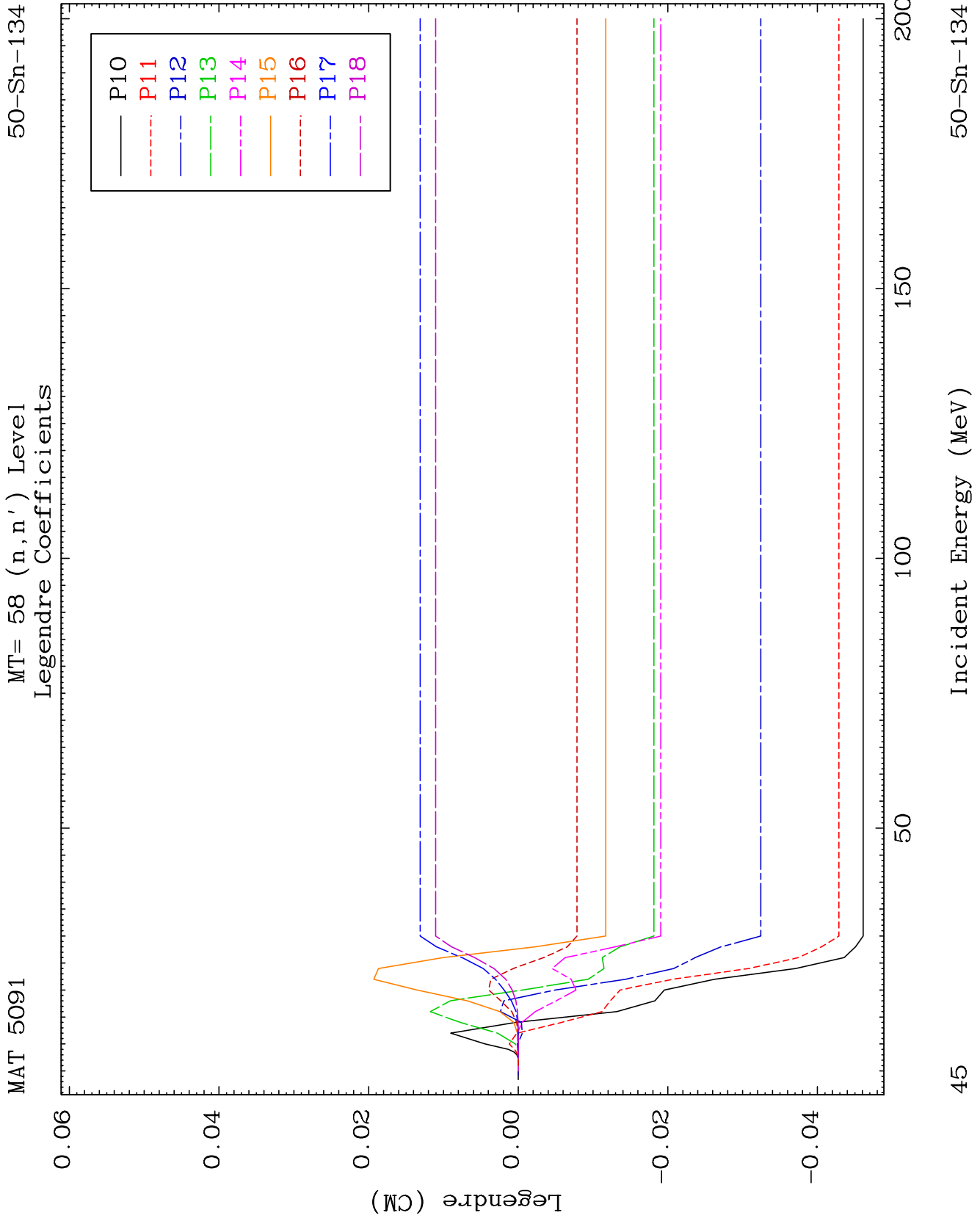
MAT 5091 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-134



43 Incident Energy (MeV) 50-Sn-134

MAT 5091 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-134

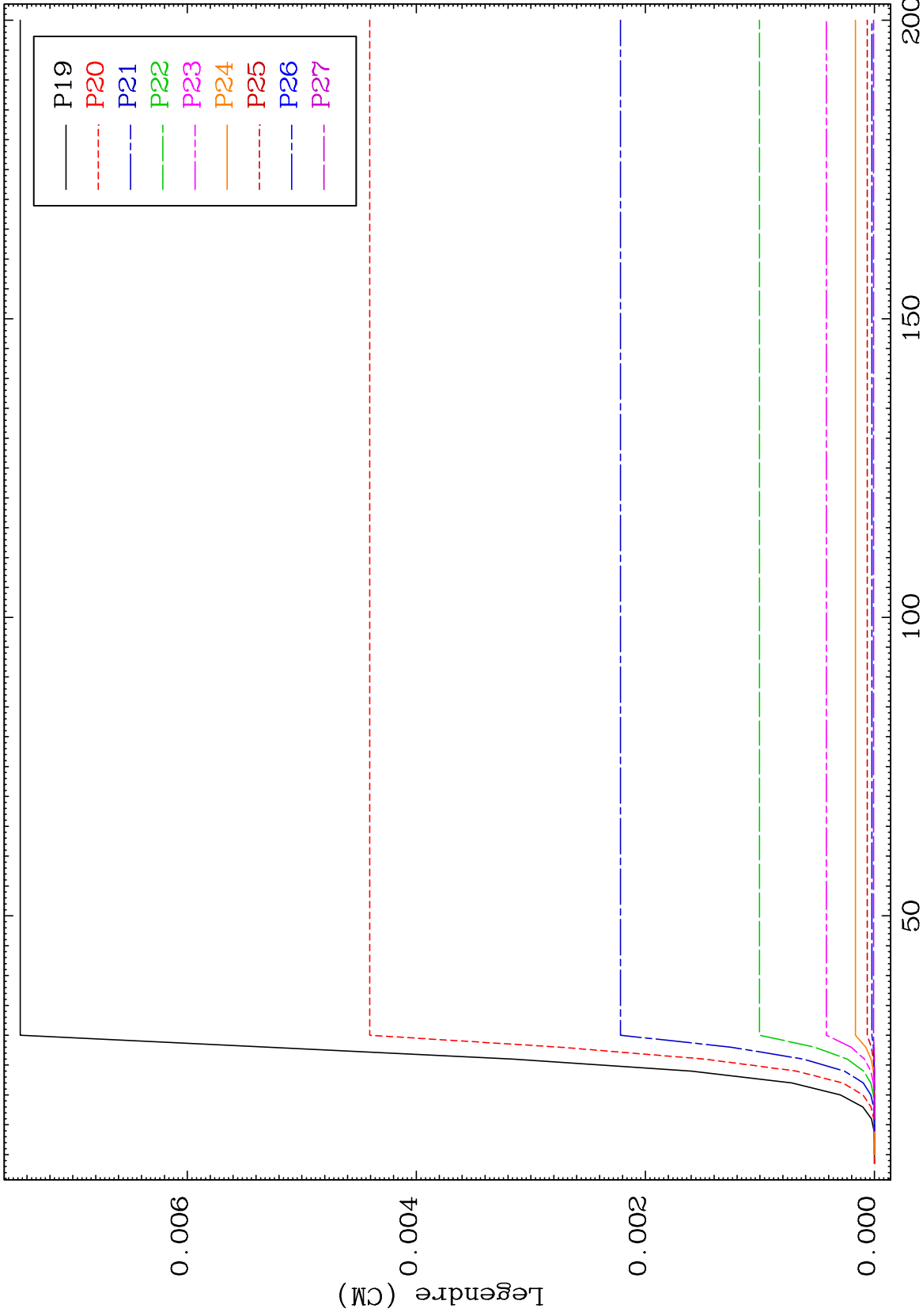




MAT 5091

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

50-Sn-134

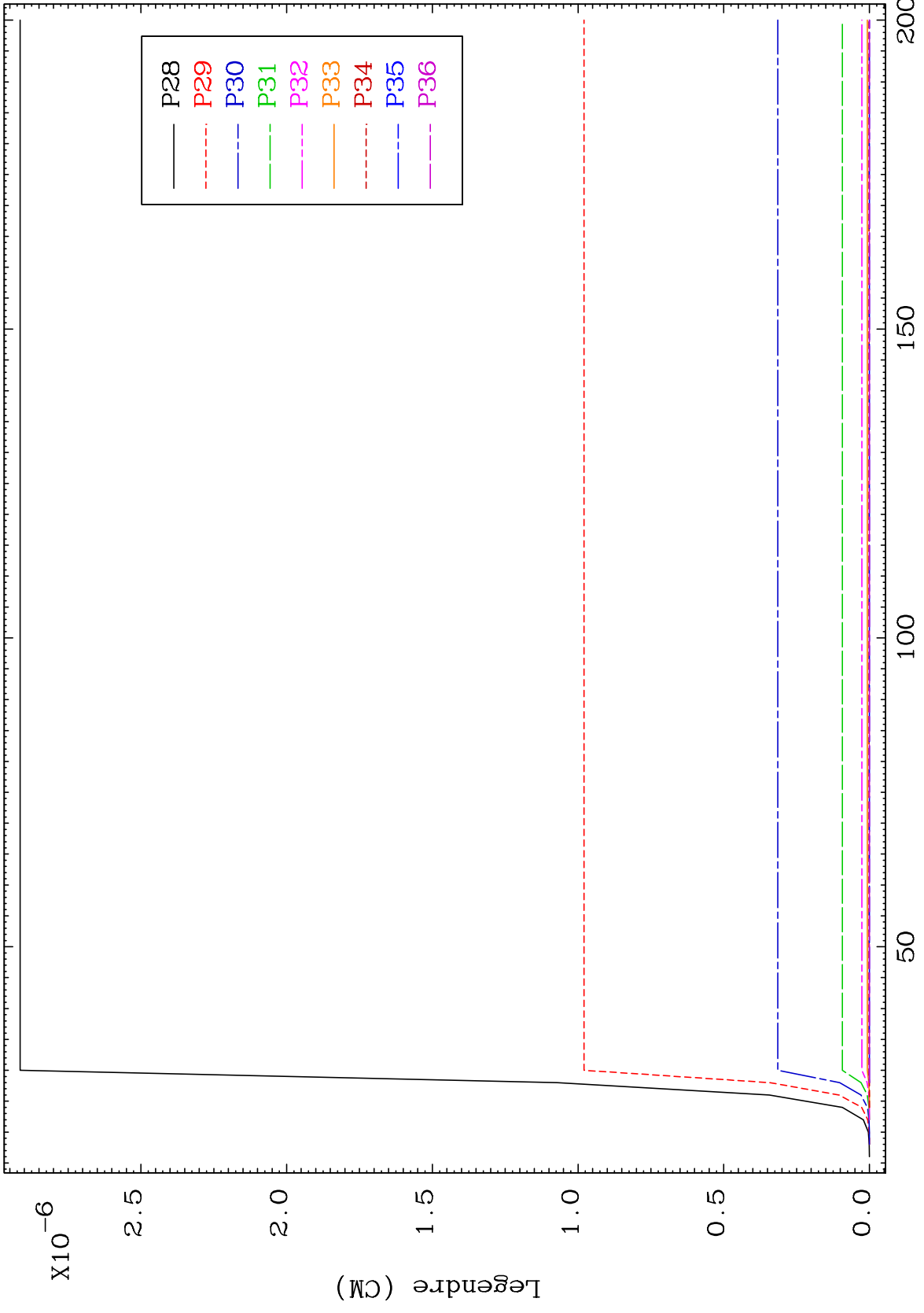


46

Incident Energy (MeV)

50-Sn-134

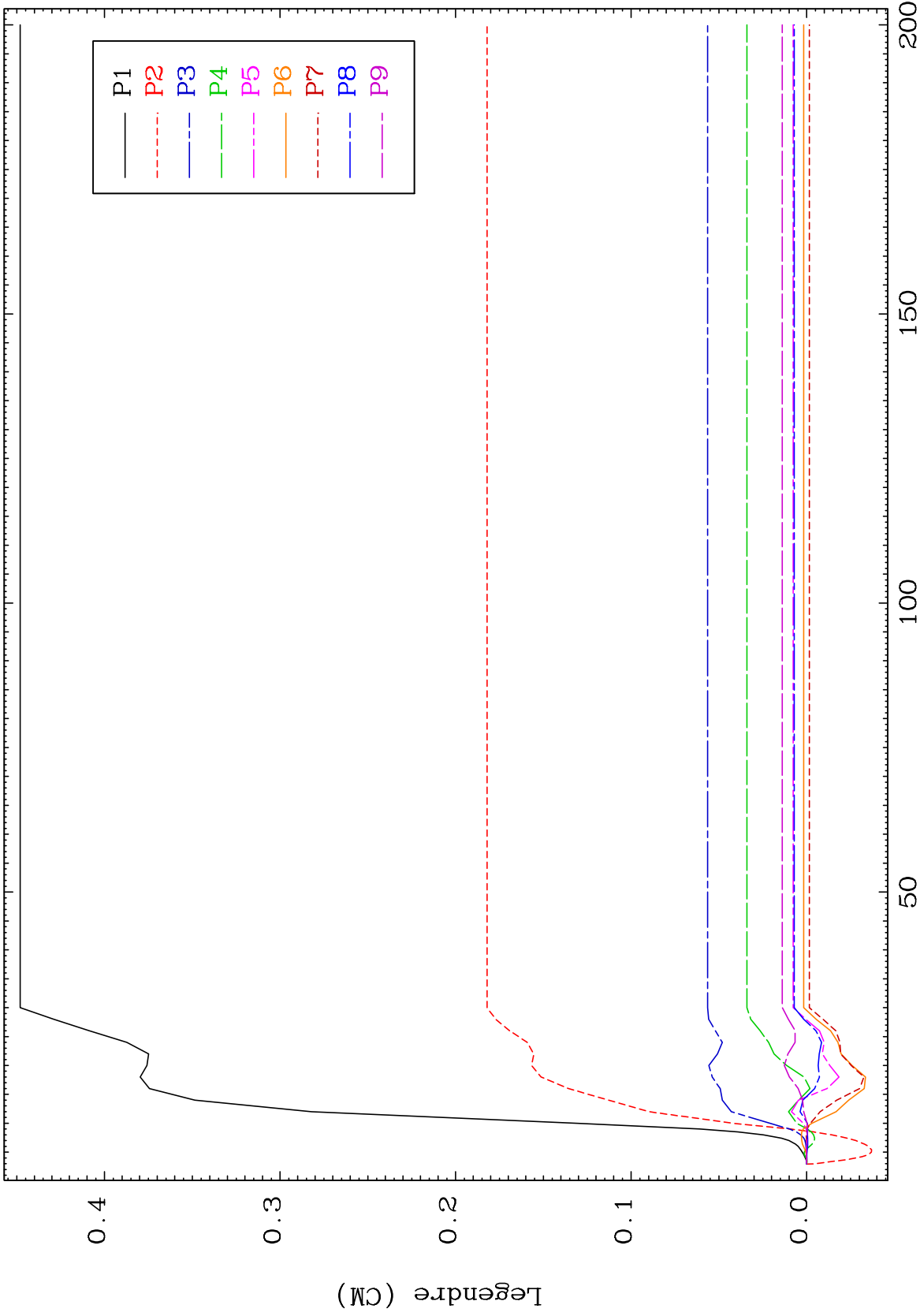
MAT 5091 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-134



MAT 5091

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

50-Sn-134



48

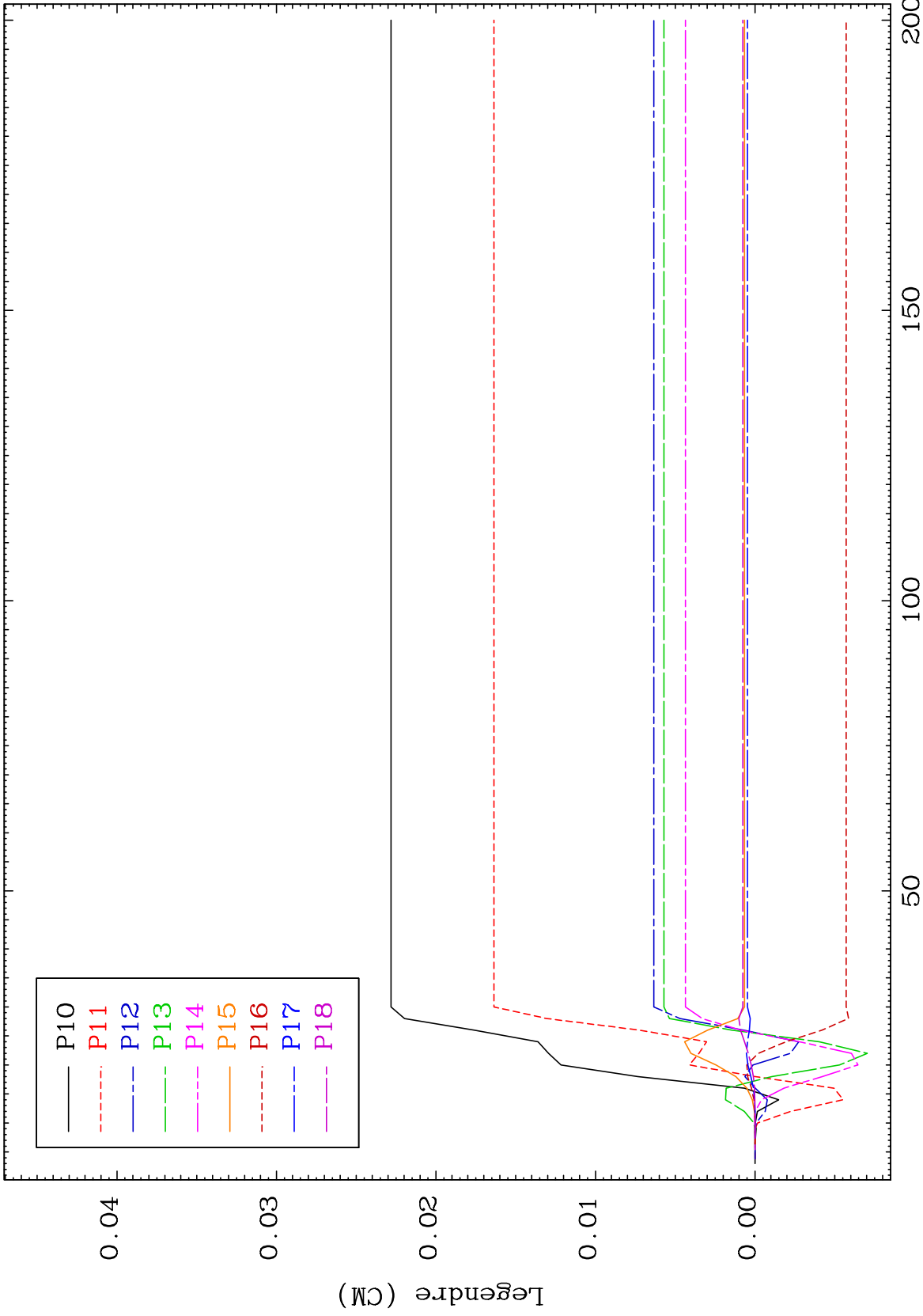
Incident Energy (MeV)

50-Sn-134

MAT 5091

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

50-Sn-134



49

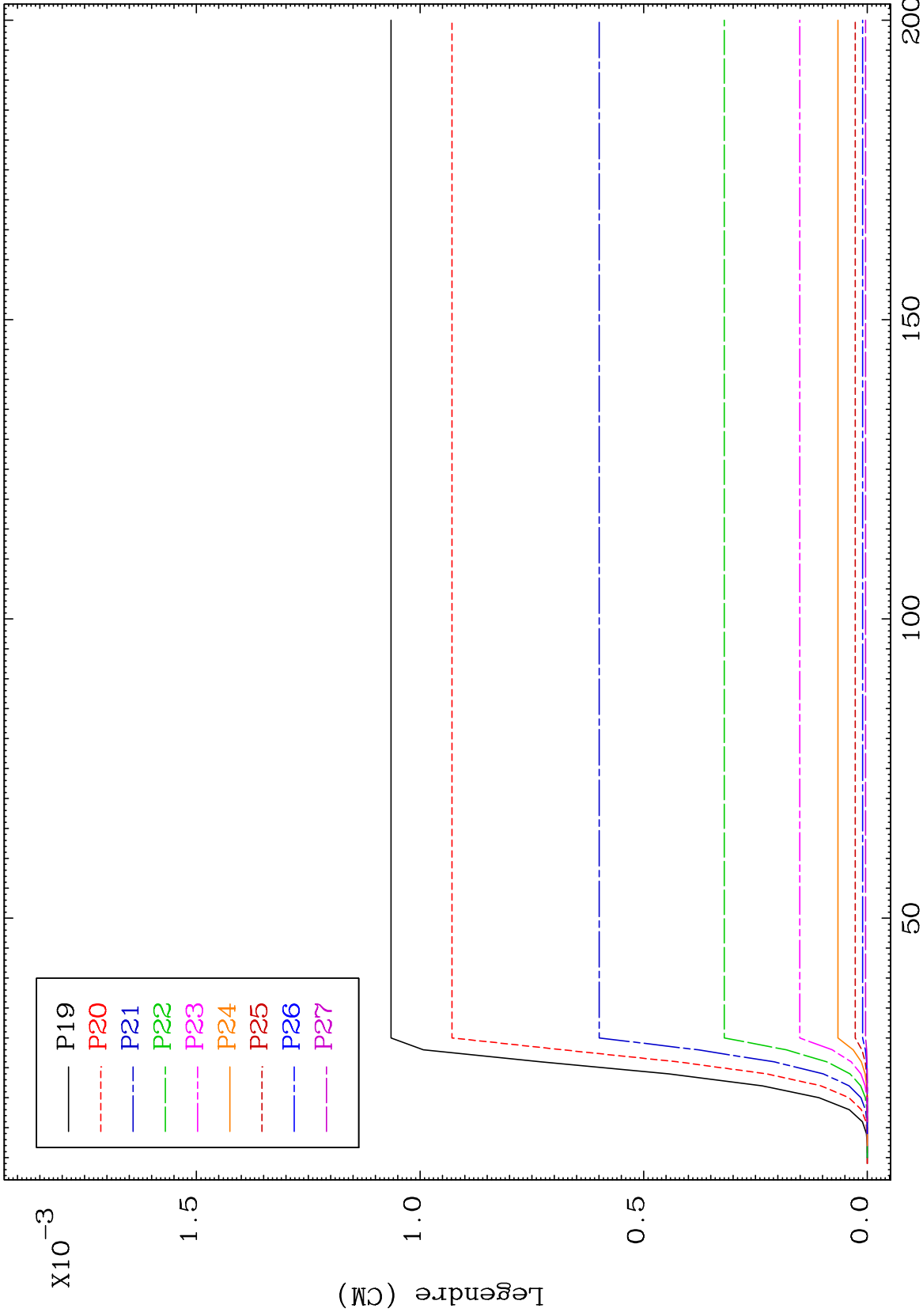
50-Sn-134

Incident Energy (MeV)

MAT 5091

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

50-Sn-134



50-Sn-134

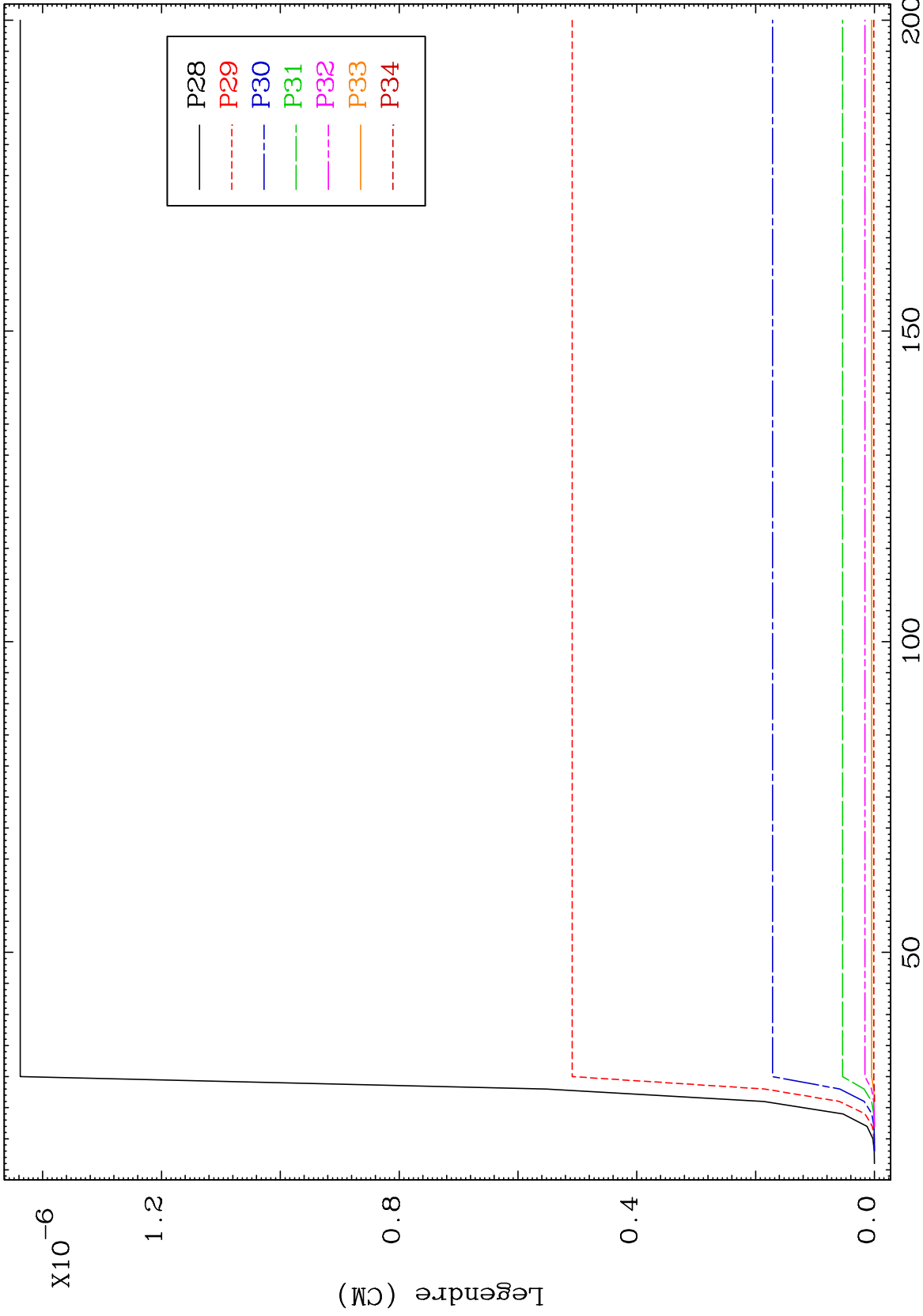
Incident Energy (MeV)

50

MAT 5091

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

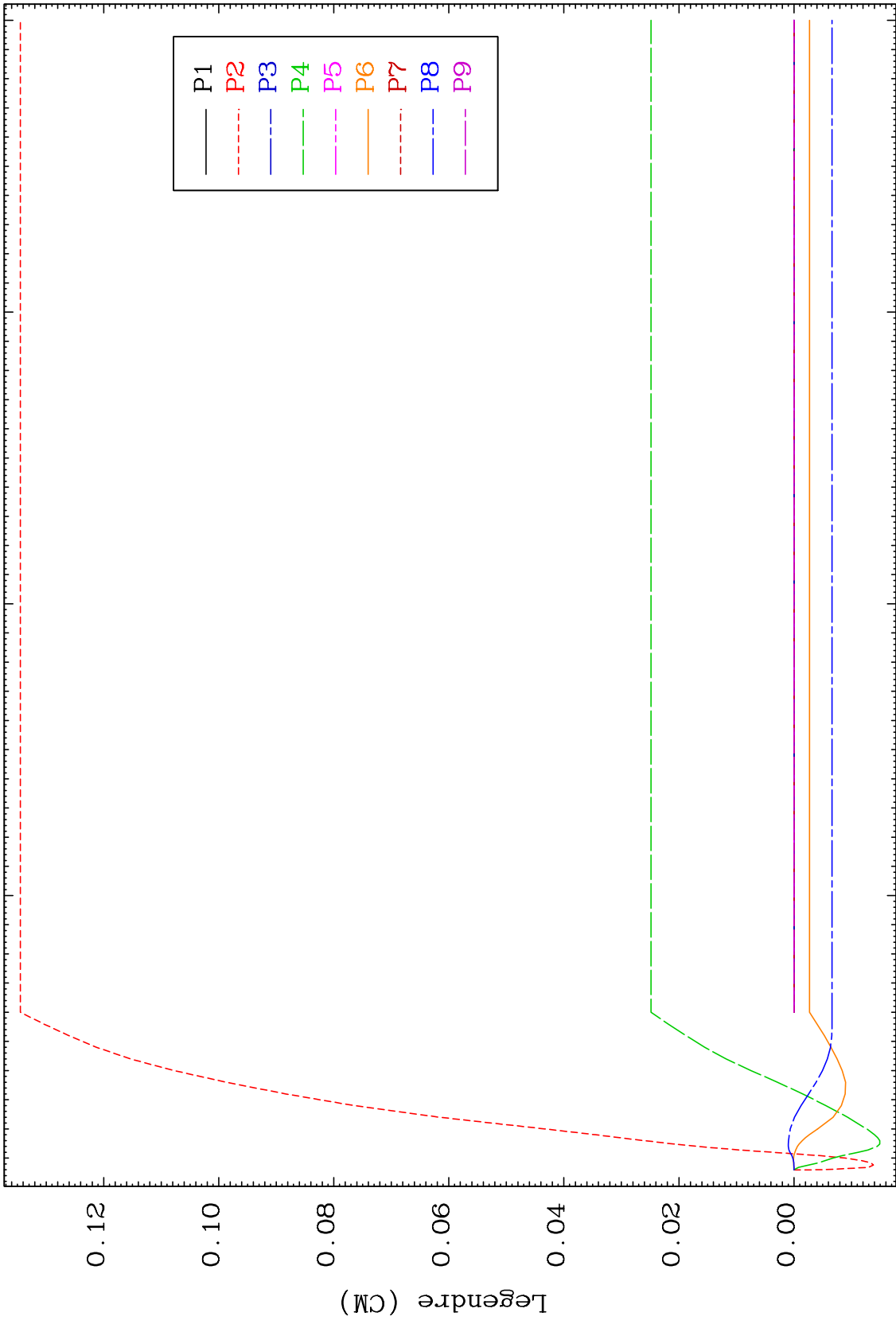
50-Sn-134



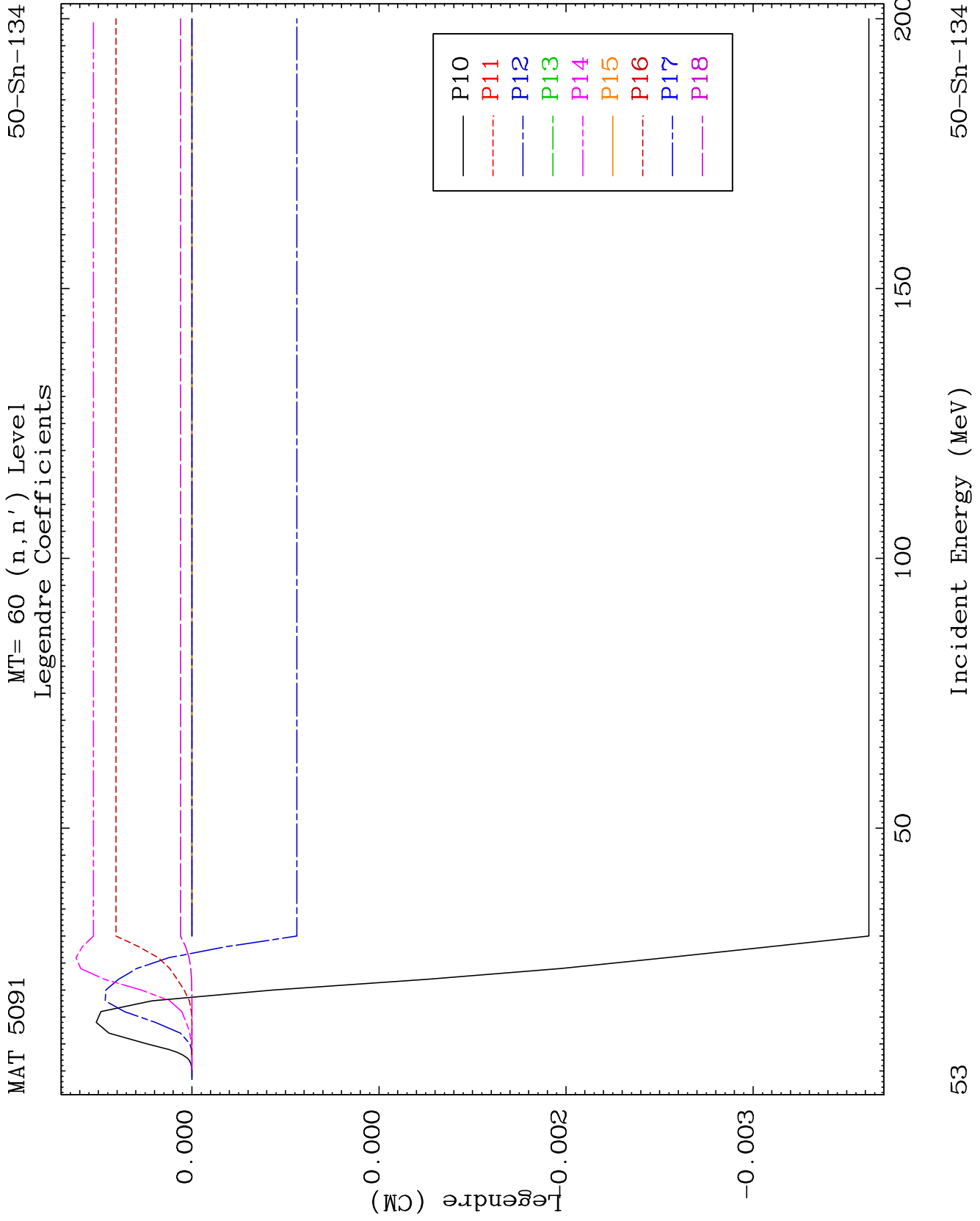
51

50-Sn-134

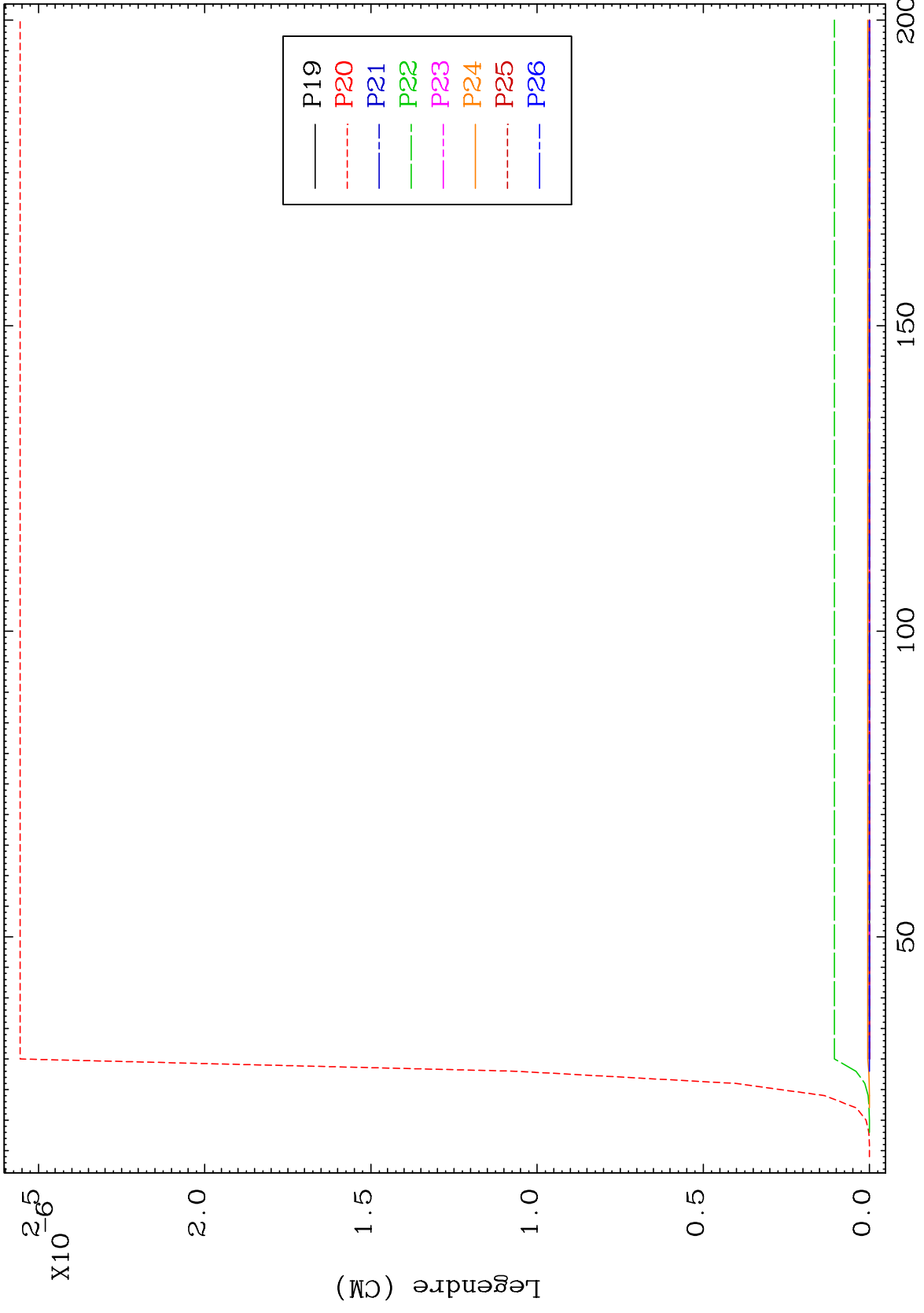
MAT 5091 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-134



52 50-Sn-134



MAT 5091 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-134

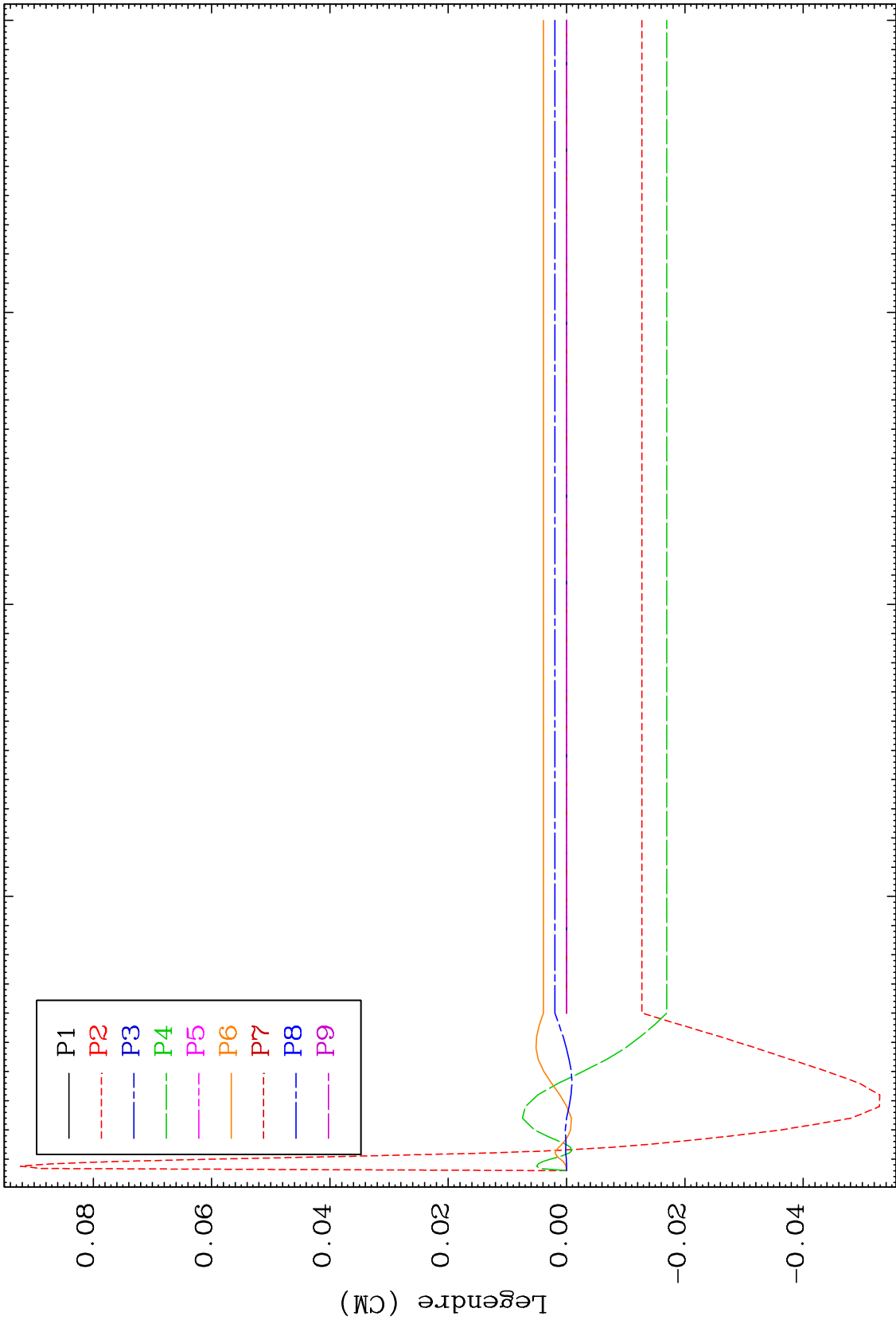


54 Incident Energy (MeV) 50-Sn-134

MAT 5091

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

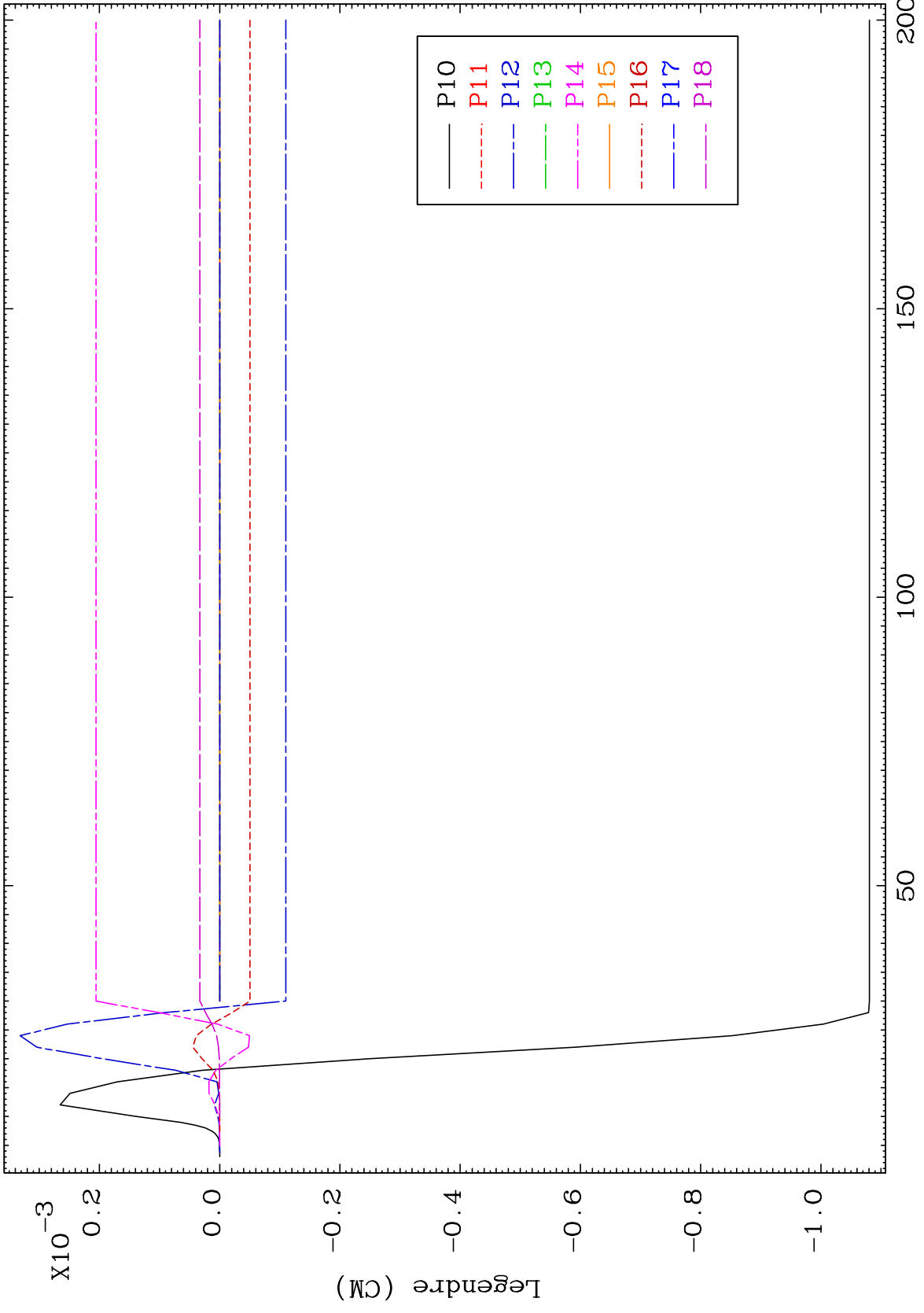
50-Sn-134



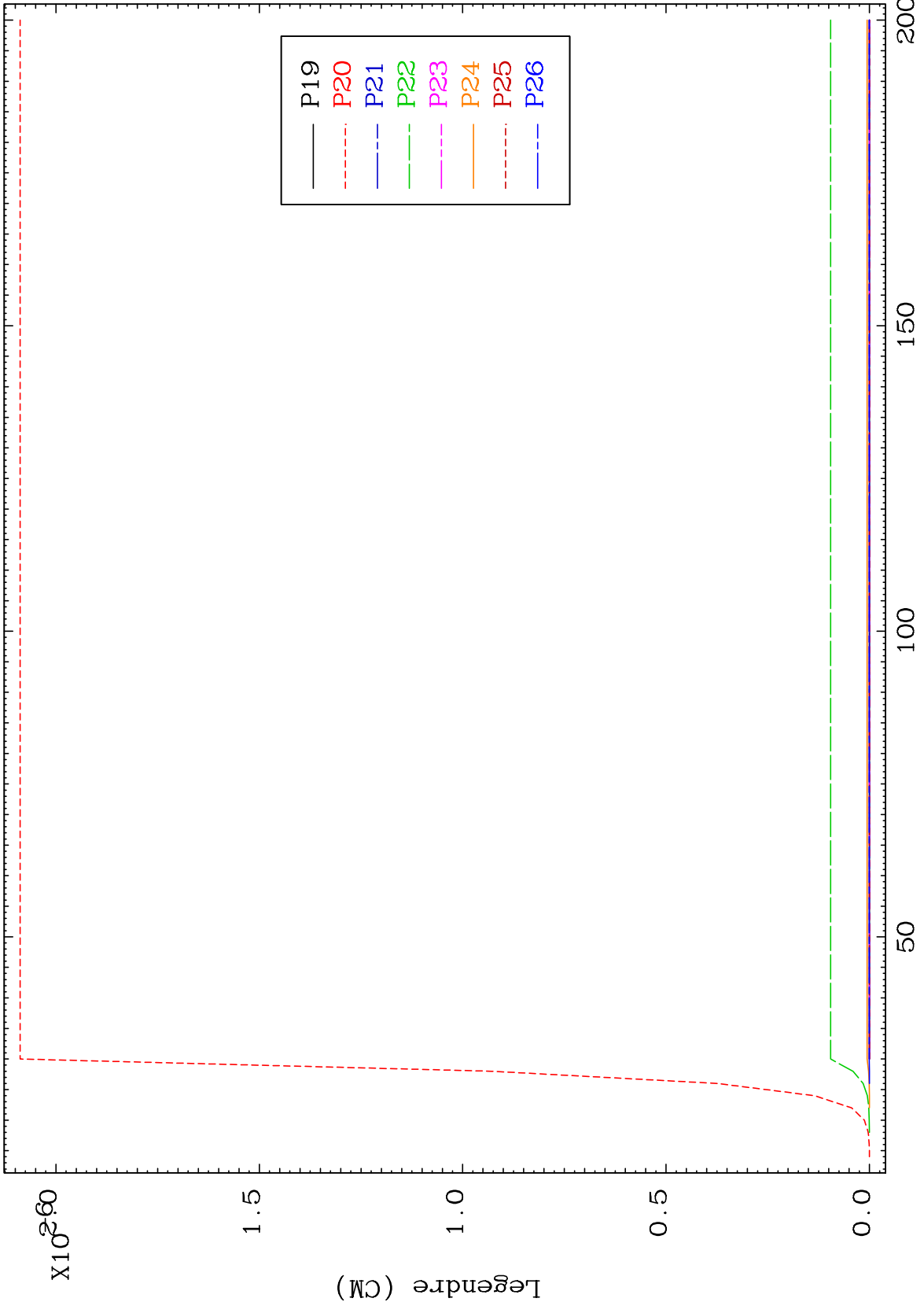
55

Incident Energy (MeV)

50-Sn-134



MAT 5091 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-134

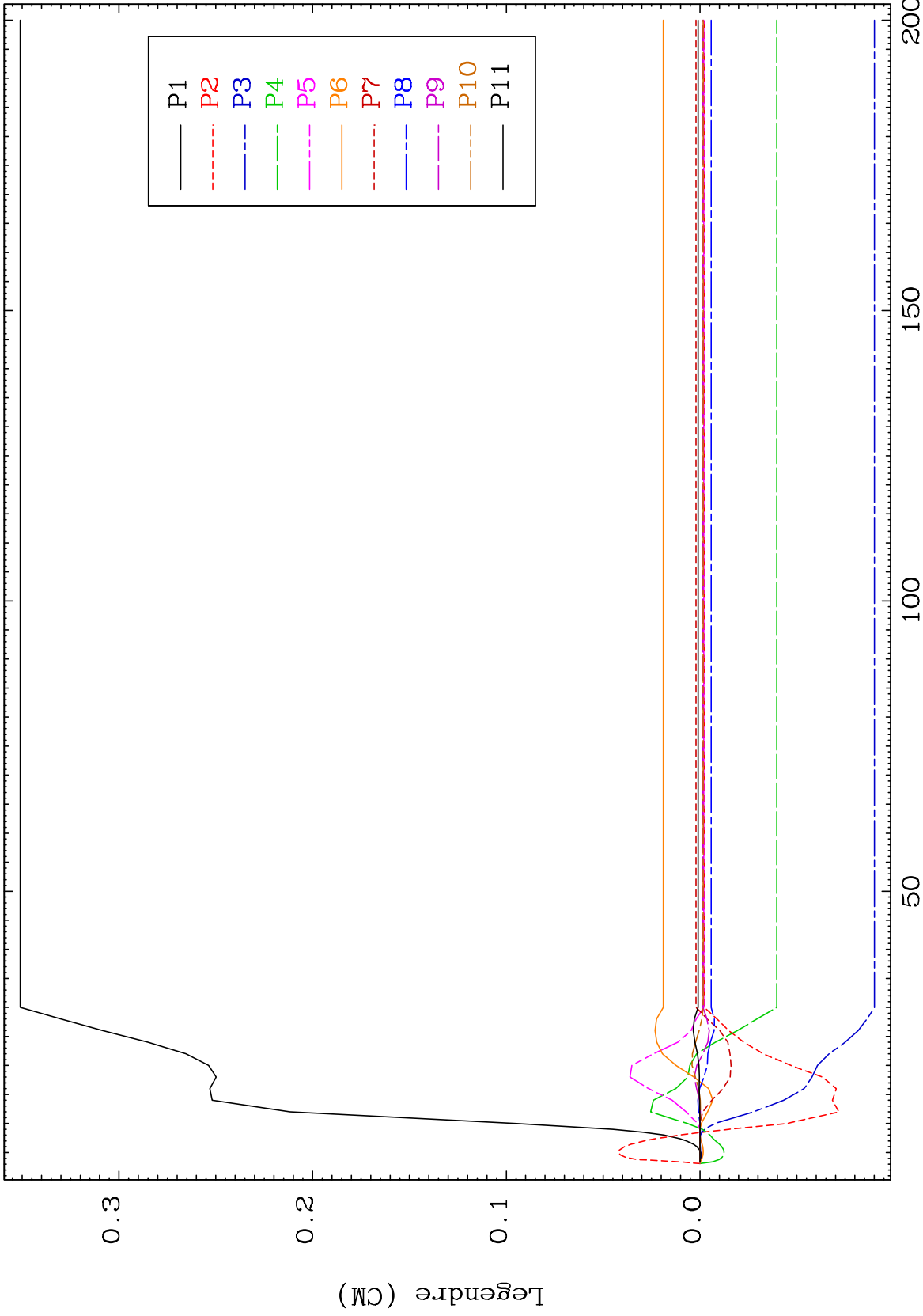


57 50-Sn-134 150 200 Incident Energy (MeV)

MAT 5091

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

50-Sn-134



58

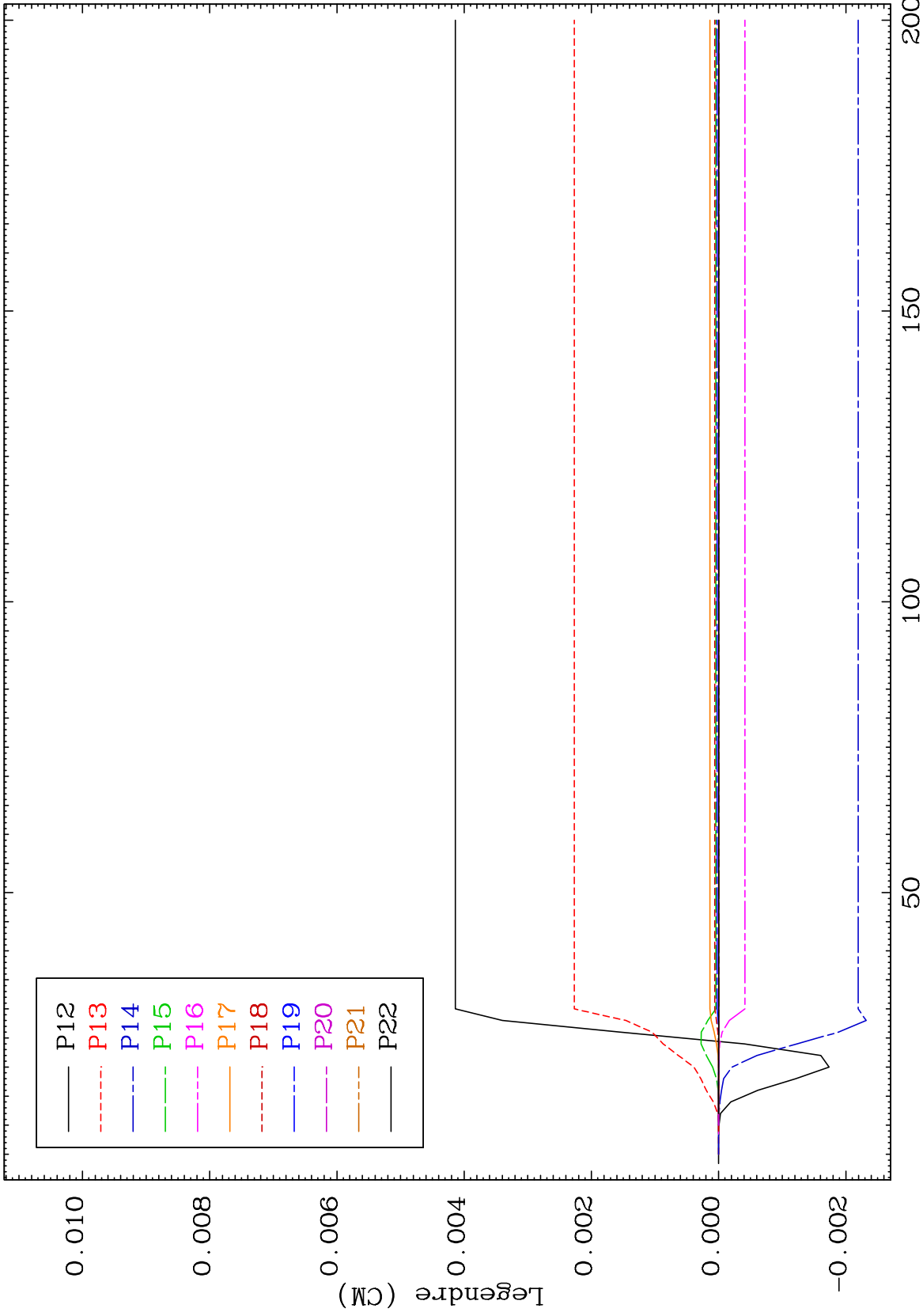
Incident Energy (MeV)

50-Sn-134

MAT 5091

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

50-Sn-134



59

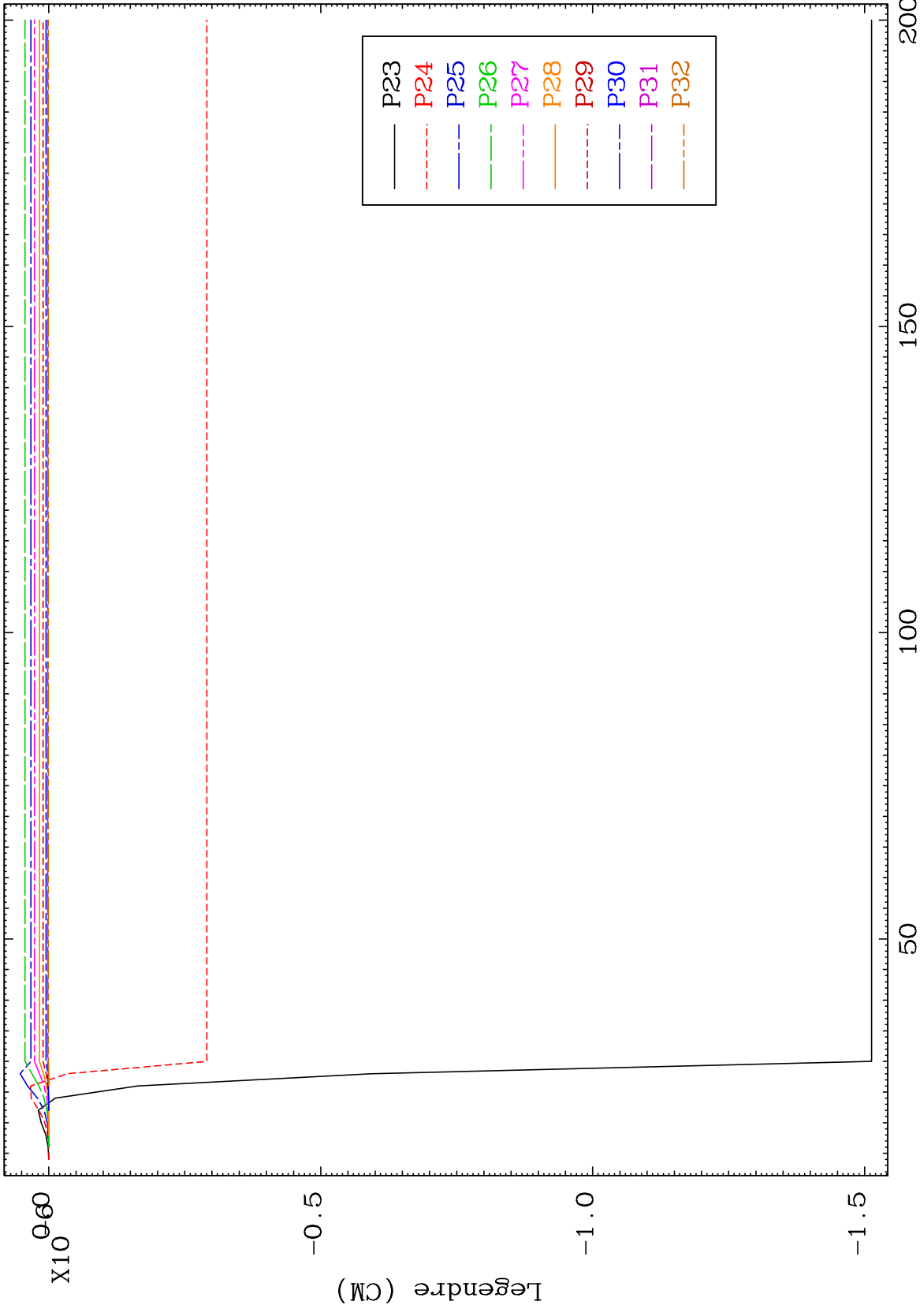
Incident Energy (MeV)

50-Sn-134

MAT 5091

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

50-Sn-134

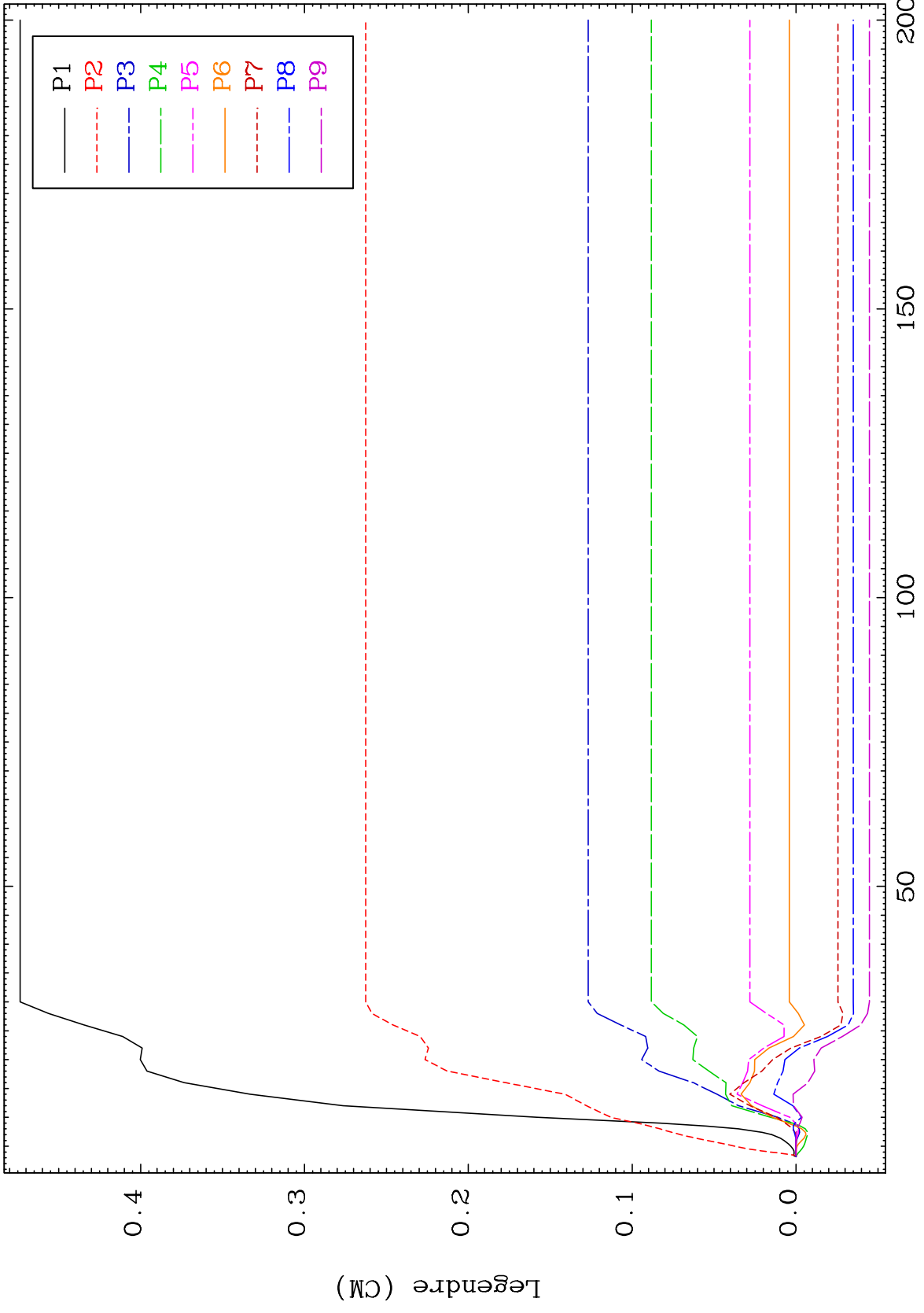


50-Sn-134

Incident Energy (MeV)

60

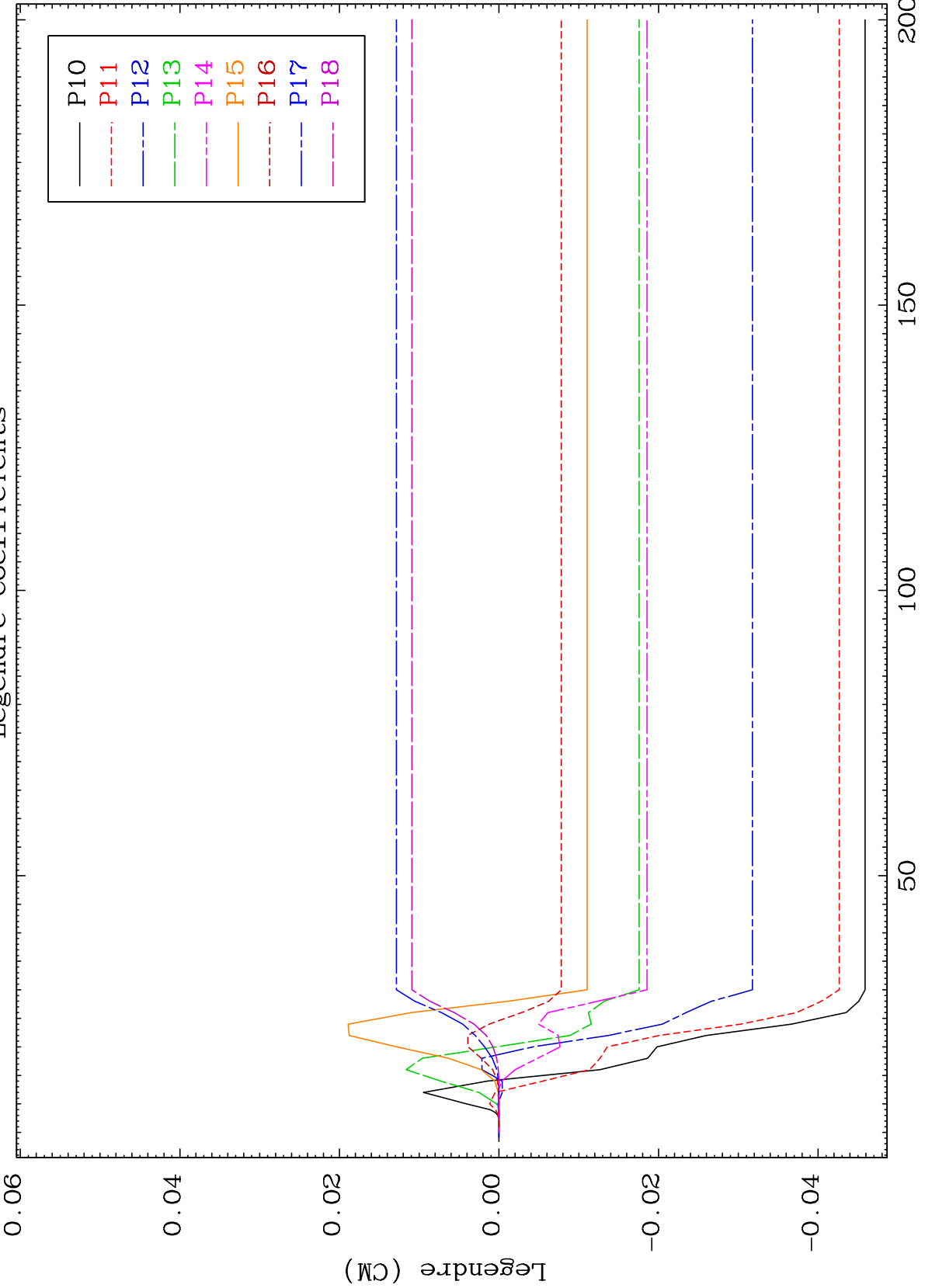
MAT 5091 MT= 63 (n,n') Level Legendre Coefficients 50-Sn-134



MAT 5091 MT= 63 (n,n') Level Legendre Coefficients

50-Sn-134

50-Sn-134

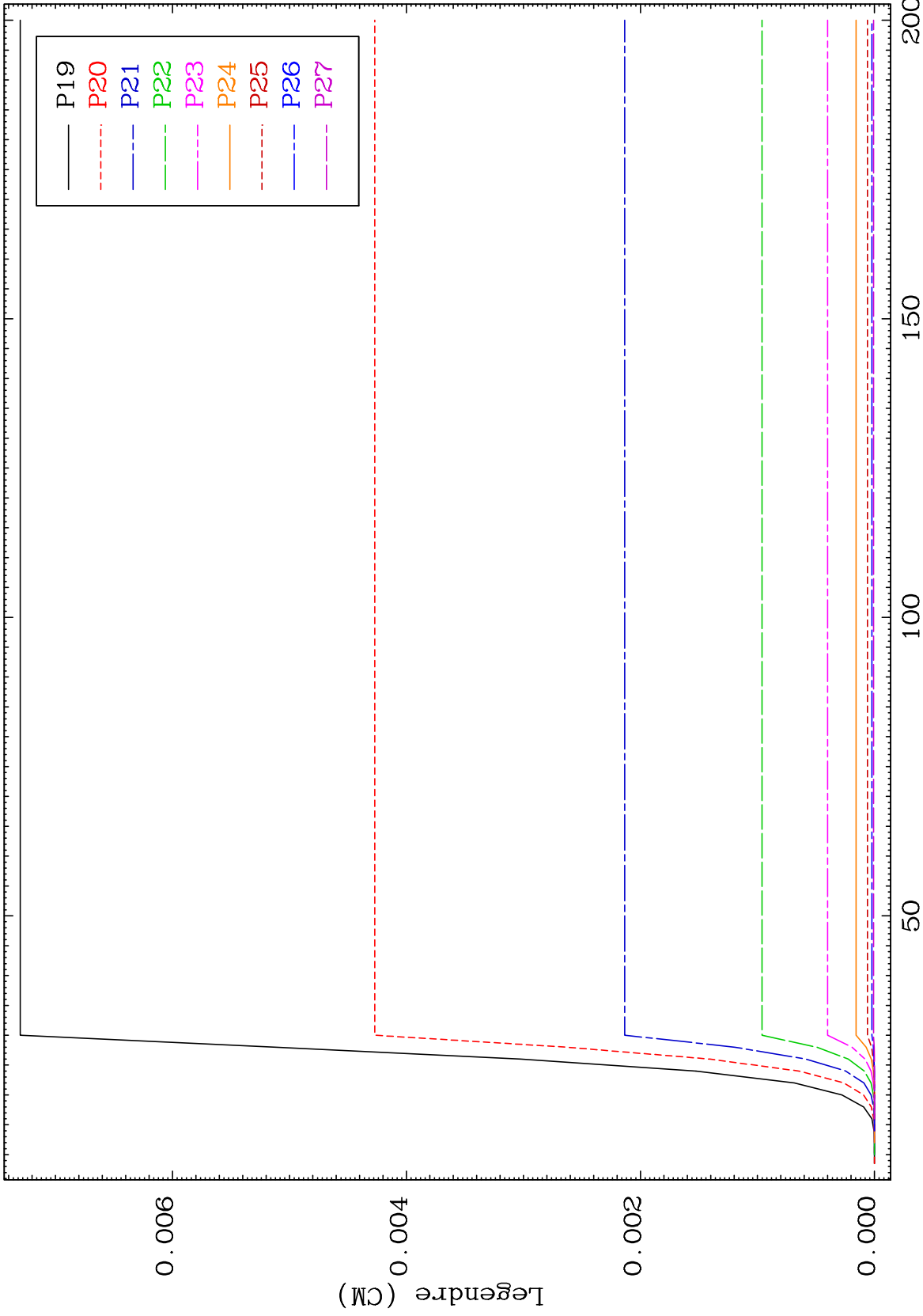


62

MAT 5091

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

50-Sn-134



63

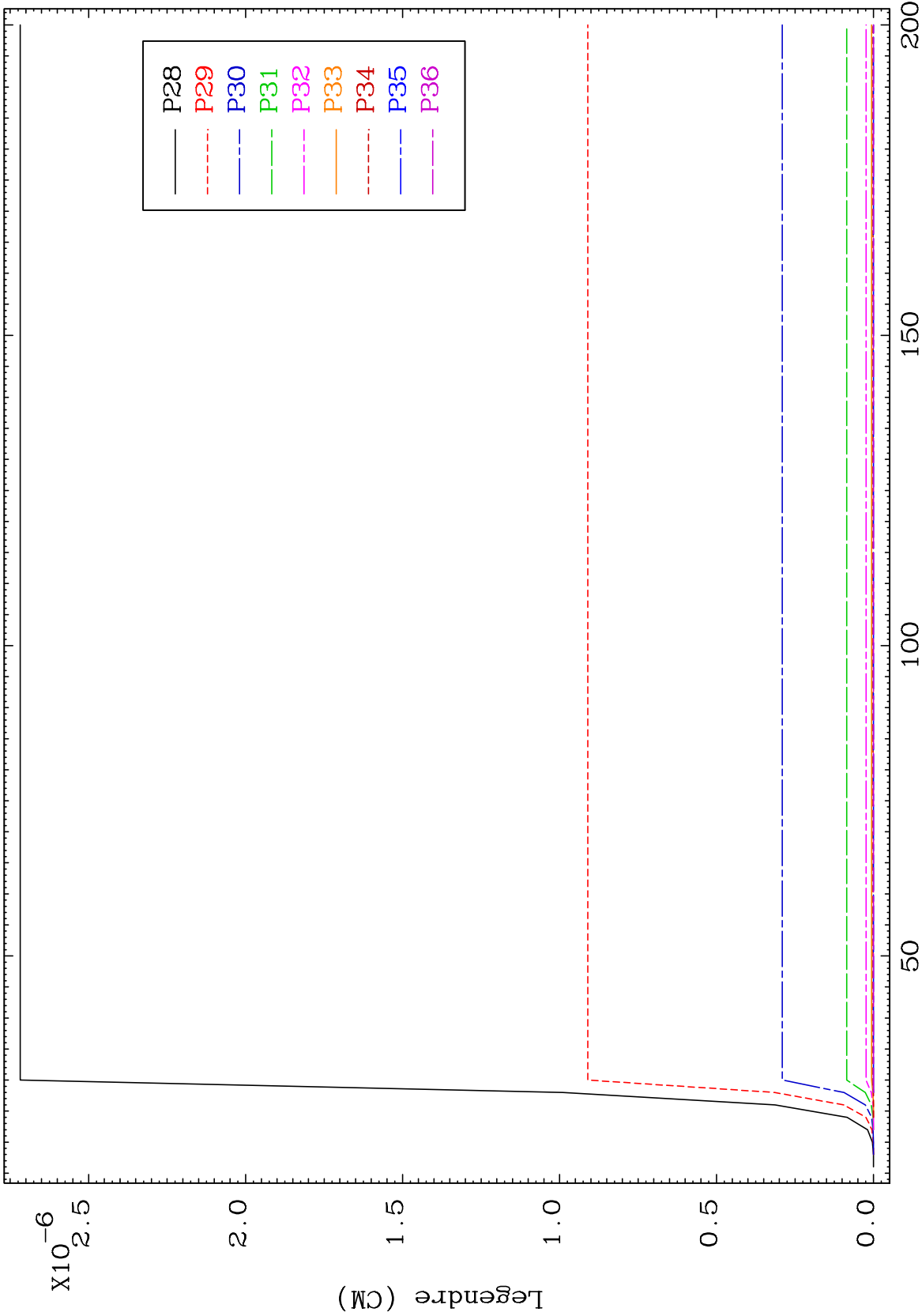
Incident Energy (MeV)

50-Sn-134

MAT 5091

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

50-Sn-134



64

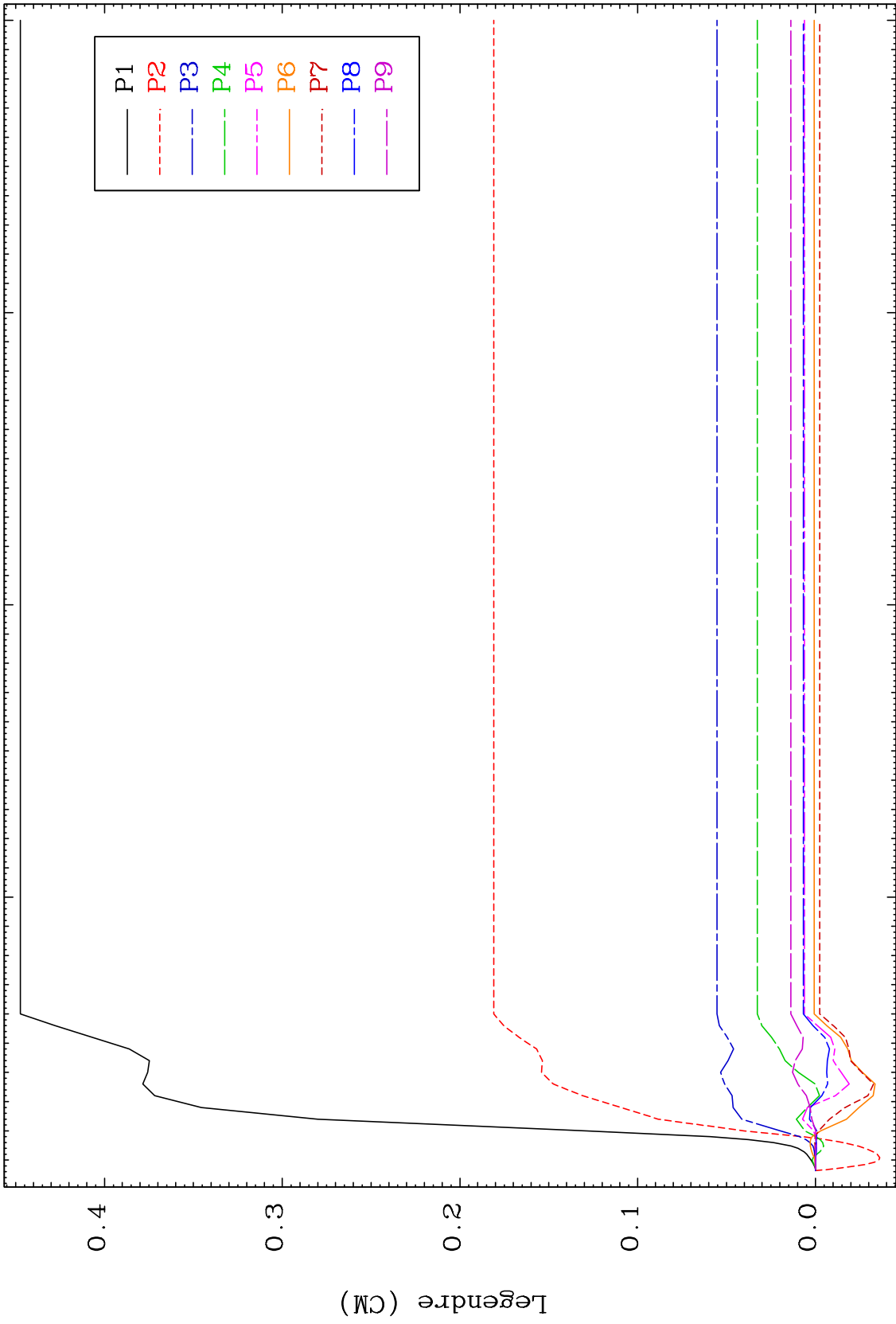
Incident Energy (MeV)

50-Sn-134

MAT 5091

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

50-Sn-134



65

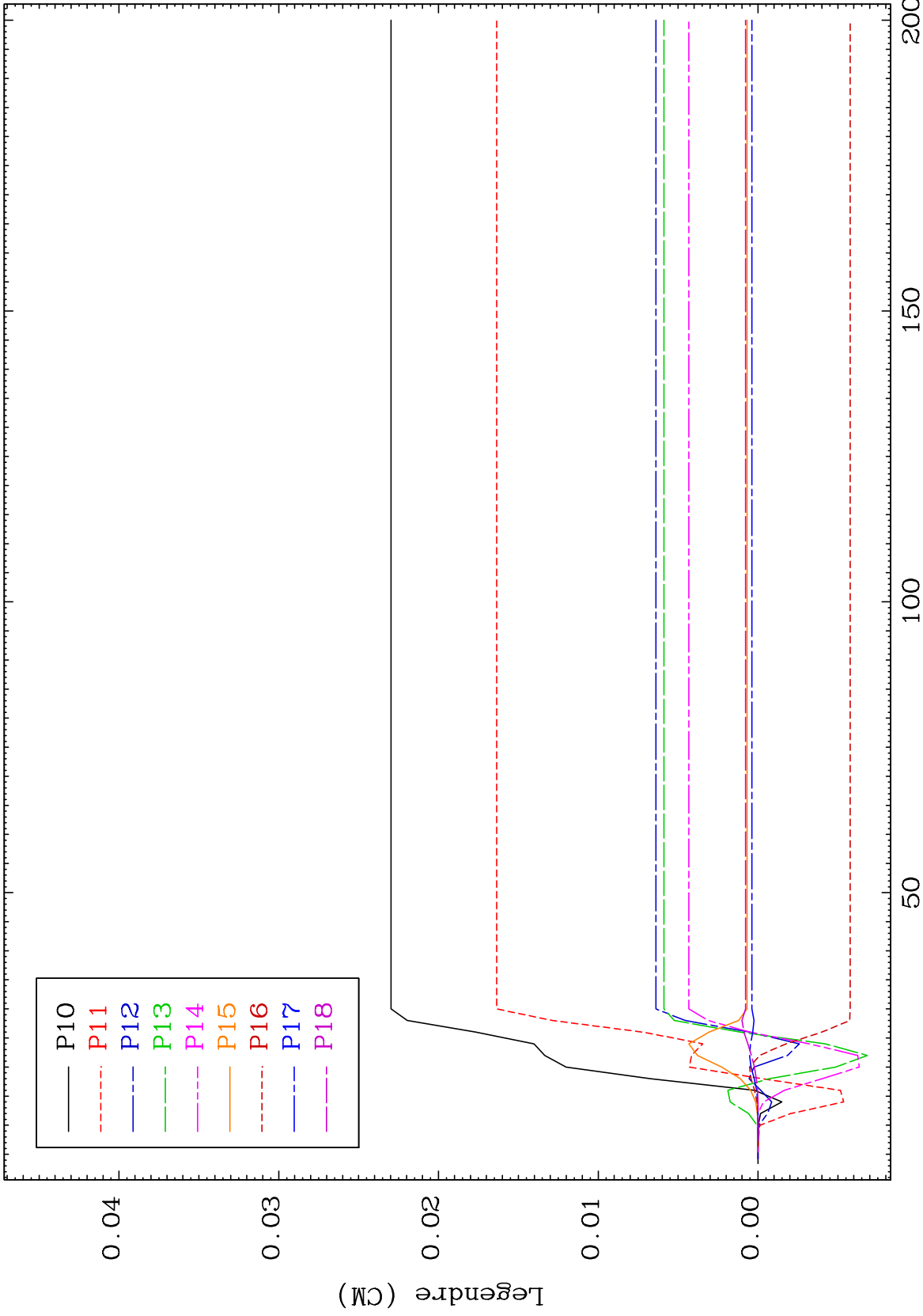
Incident Energy (MeV)

50-Sn-134

MAT 5091

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

50-Sn-134



66

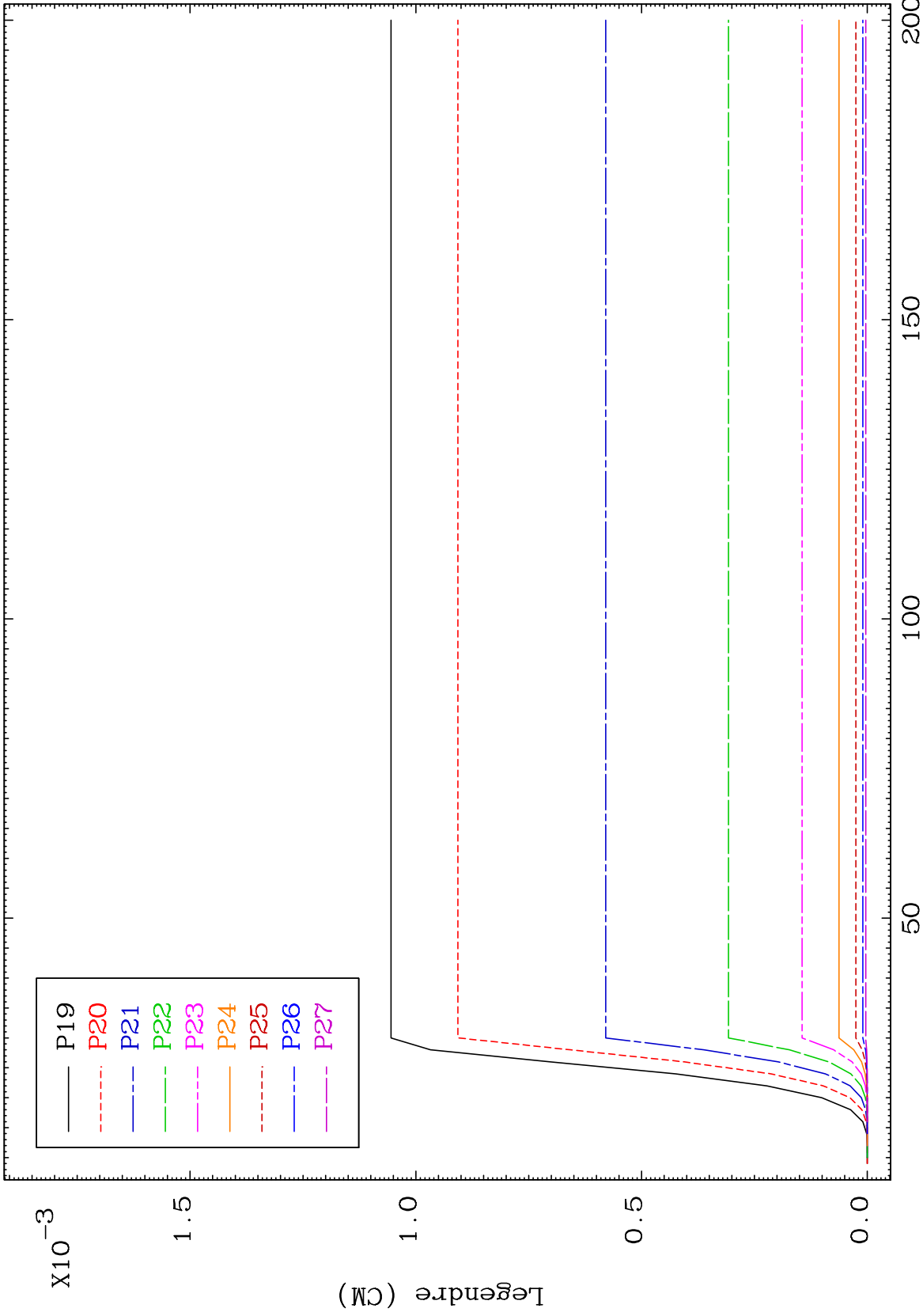
Incident Energy (MeV)

50-Sn-134

MAT 5091

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

50-Sn-134



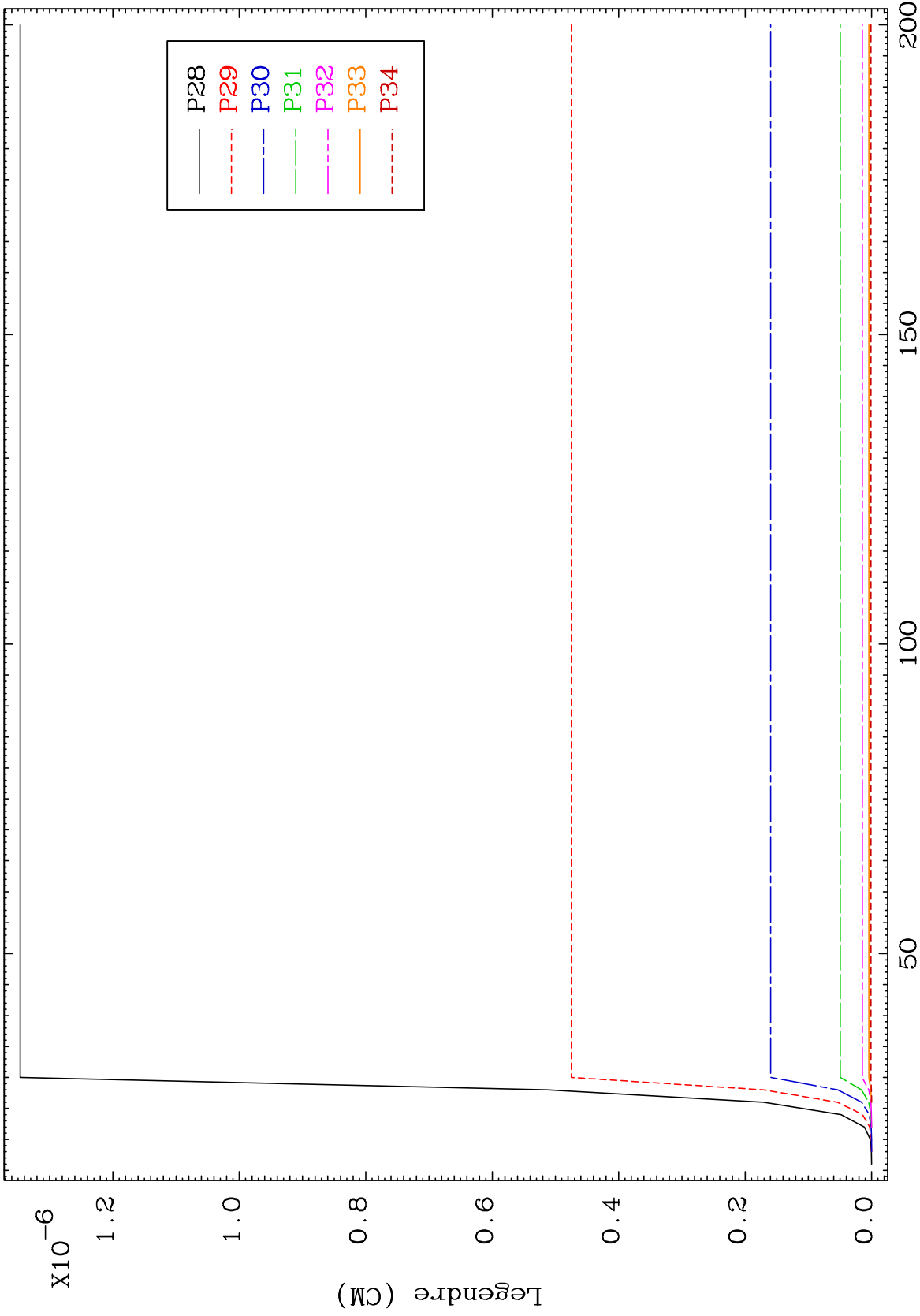
67

50-Sn-134

MAT 5091

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

50-Sn-134



68

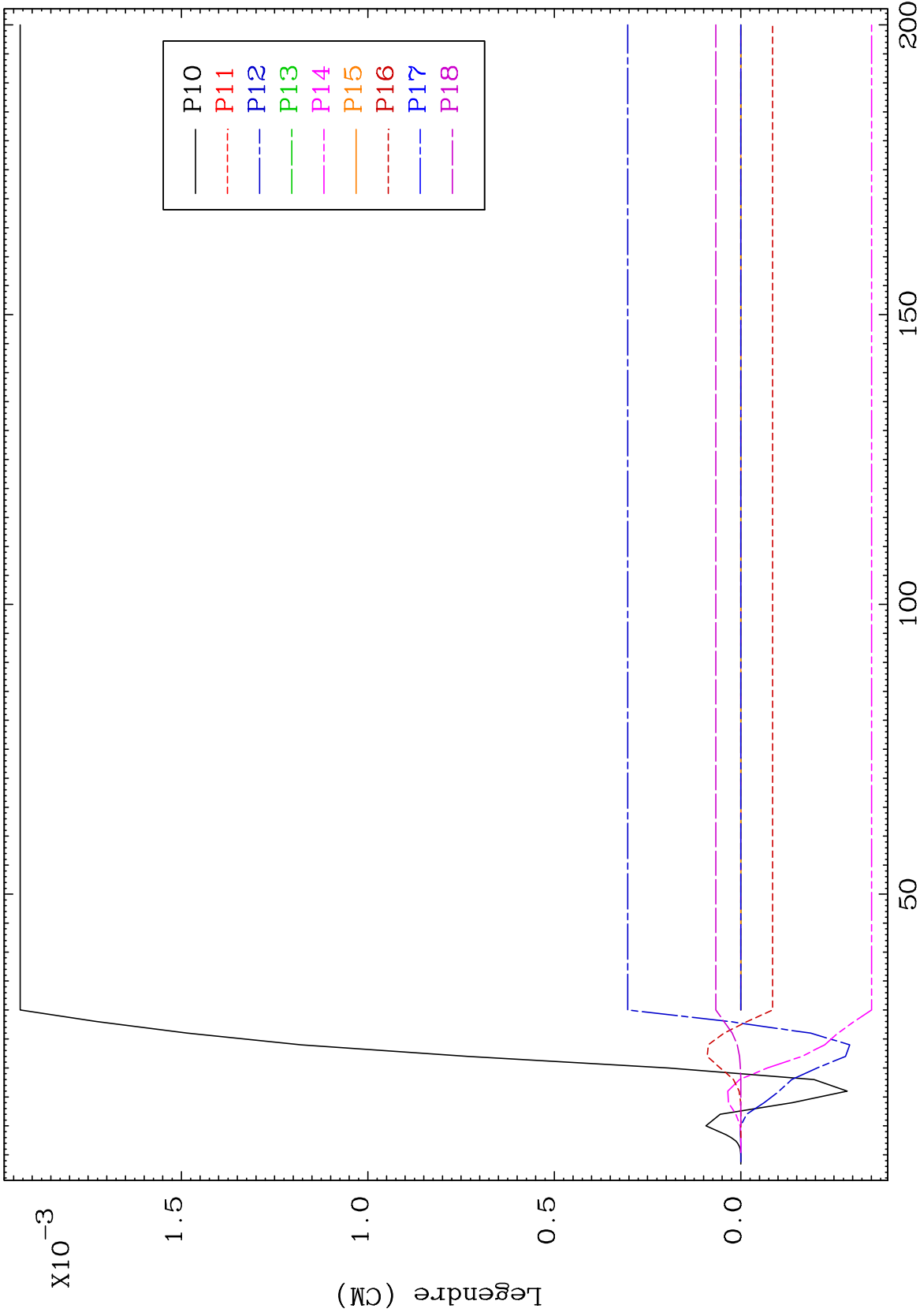
Incident Energy (MeV)

50-Sn-134

MAT 5091

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

50-Sn-134

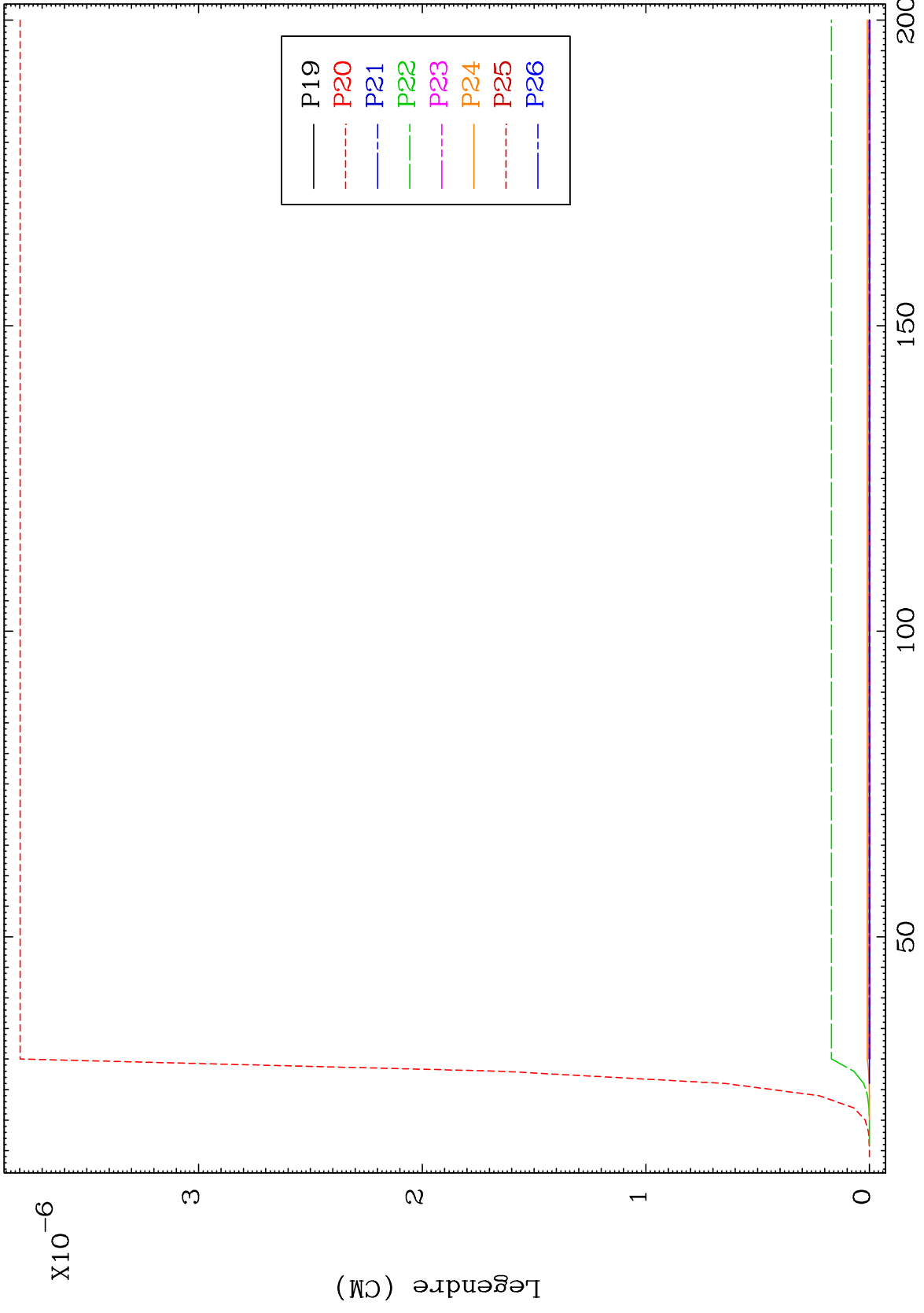


70

Incident Energy (MeV)

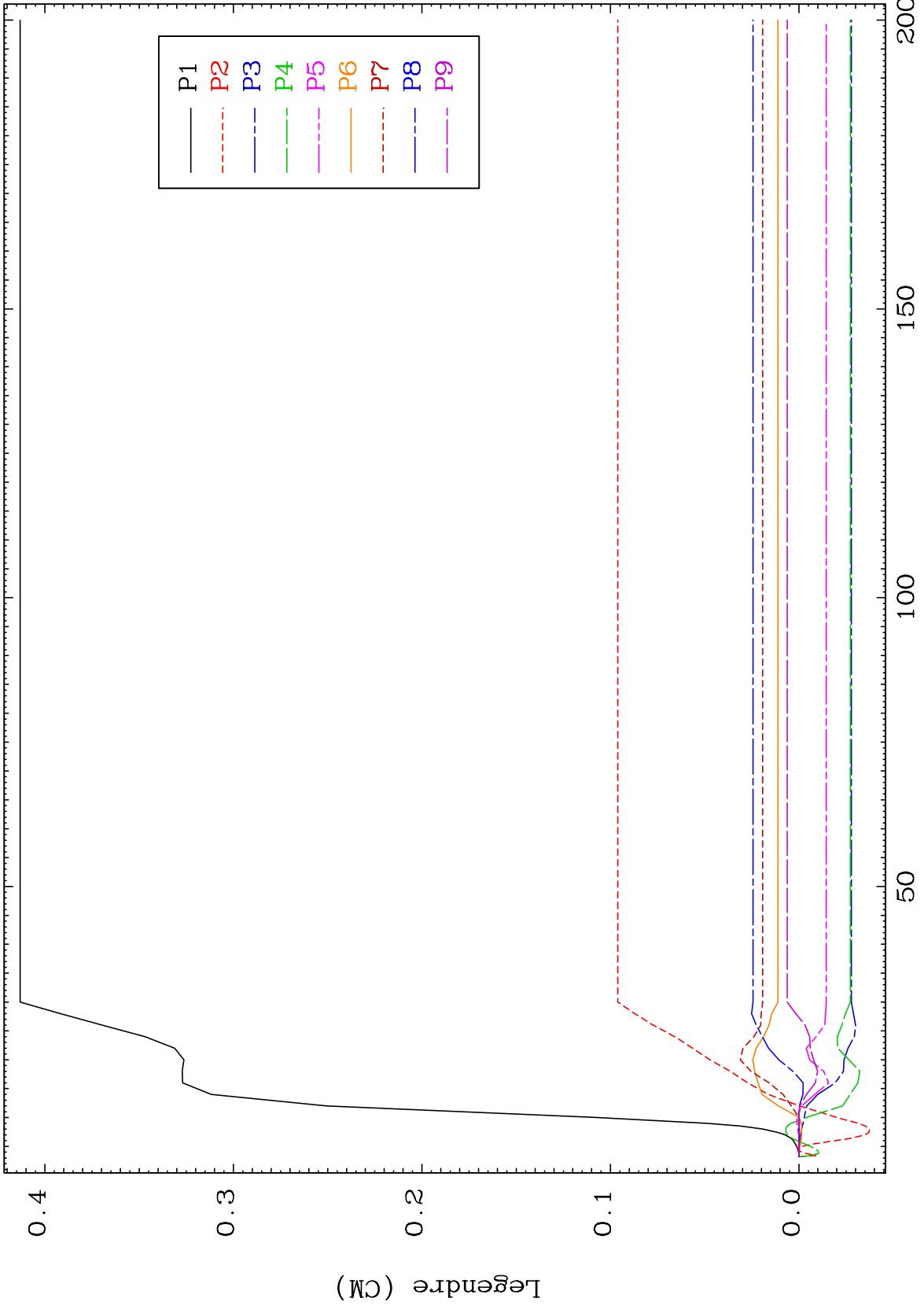
50-Sn-134

MAT 5091 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-134



71 50-Sn-134

MAT 5091 MT= 66 (n,n') Level Legendre Coefficients 50-Sn-134

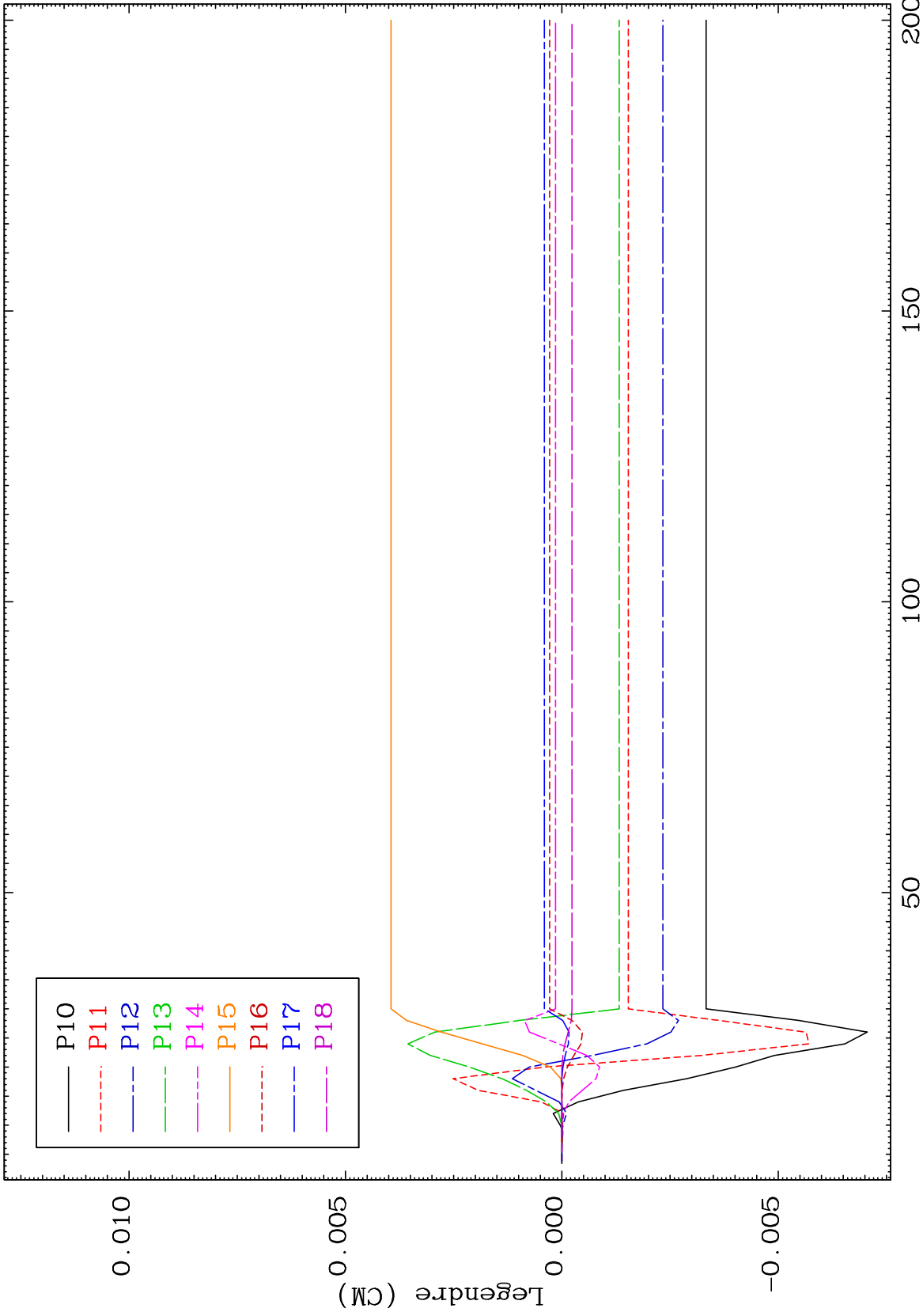


72 50-Sn-134

MAT 5091

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

50-Sn-134

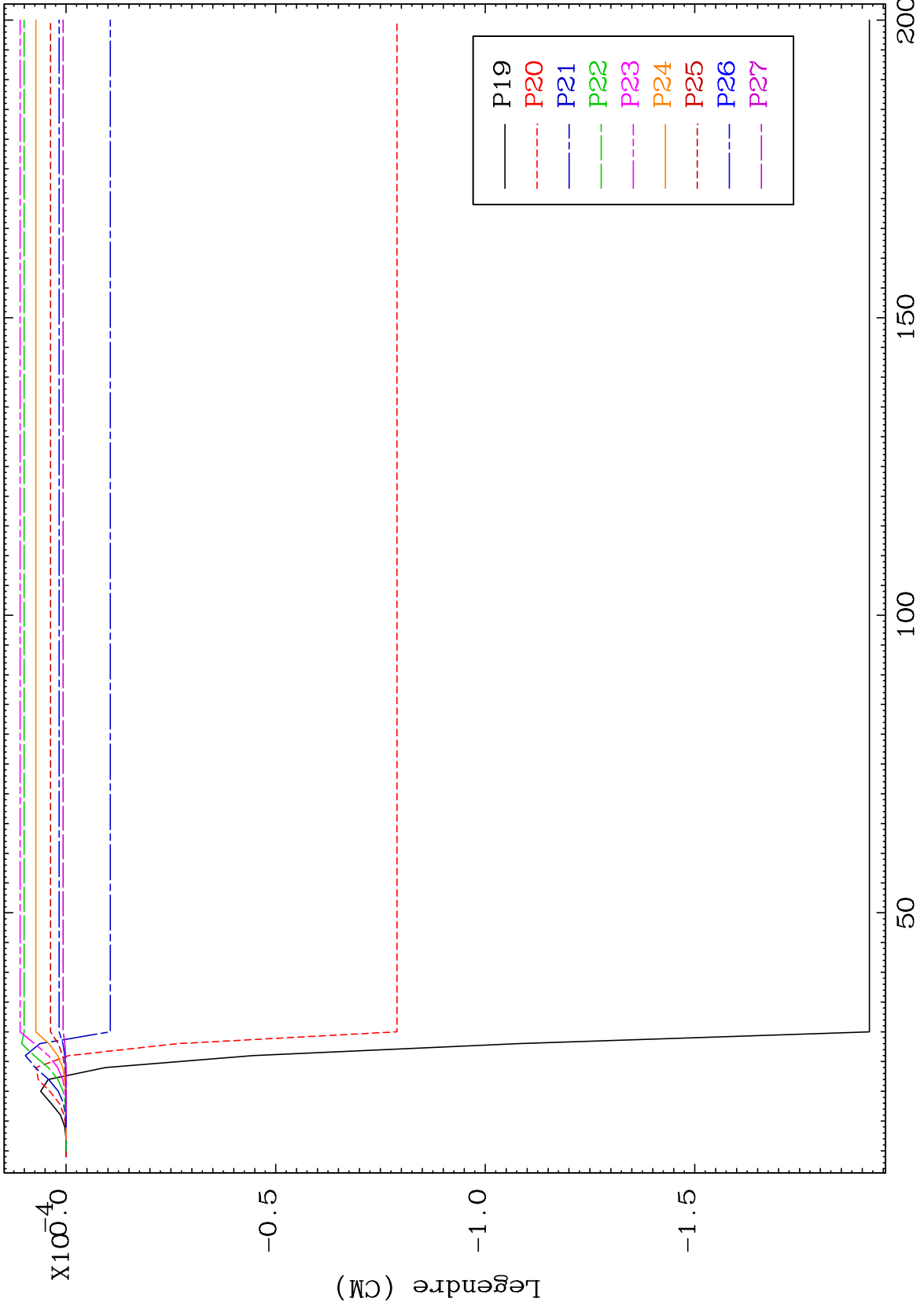


73

Incident Energy (MeV)

50-Sn-134

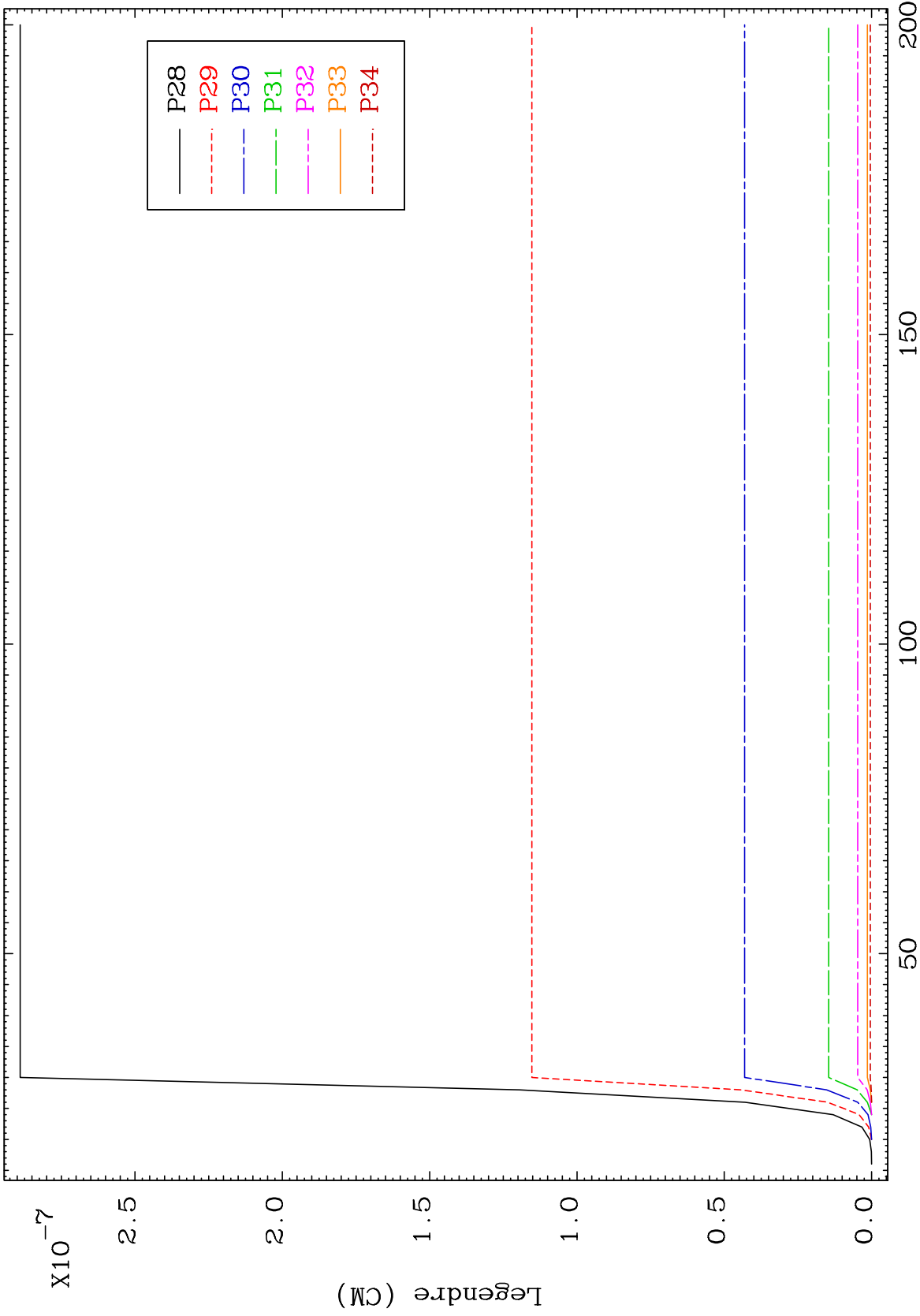
MAT 5091 MT= 66 (n,n') Level Legendre Coefficients 50-Sn-134



MAT 5091

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

50-Sn-134

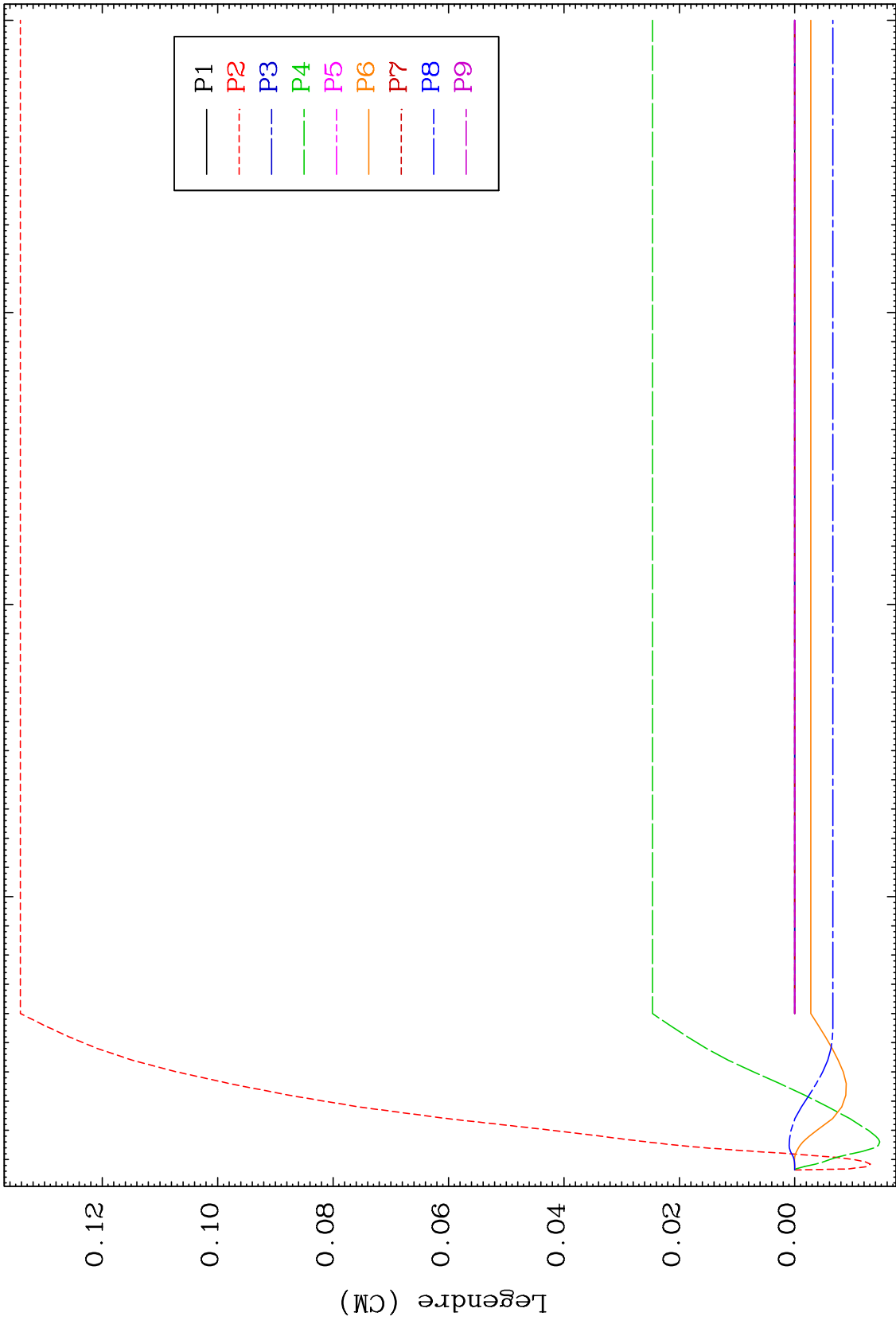


75

Incident Energy (MeV)

50-Sn-134

MAT 5091 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-134

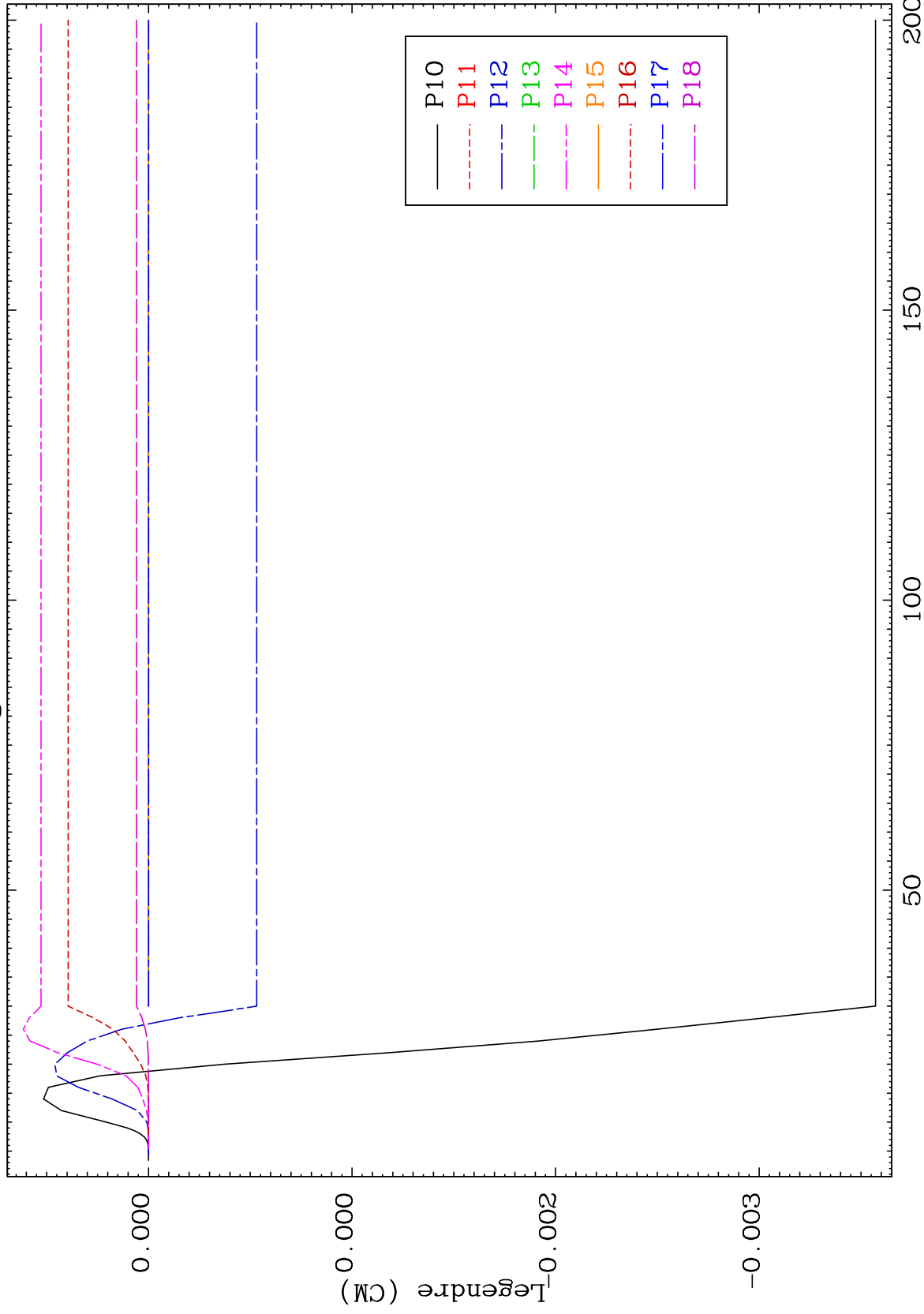


76 Incident Energy (MeV) 50-Sn-134

MAT 5091

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

50-Sn-134



77

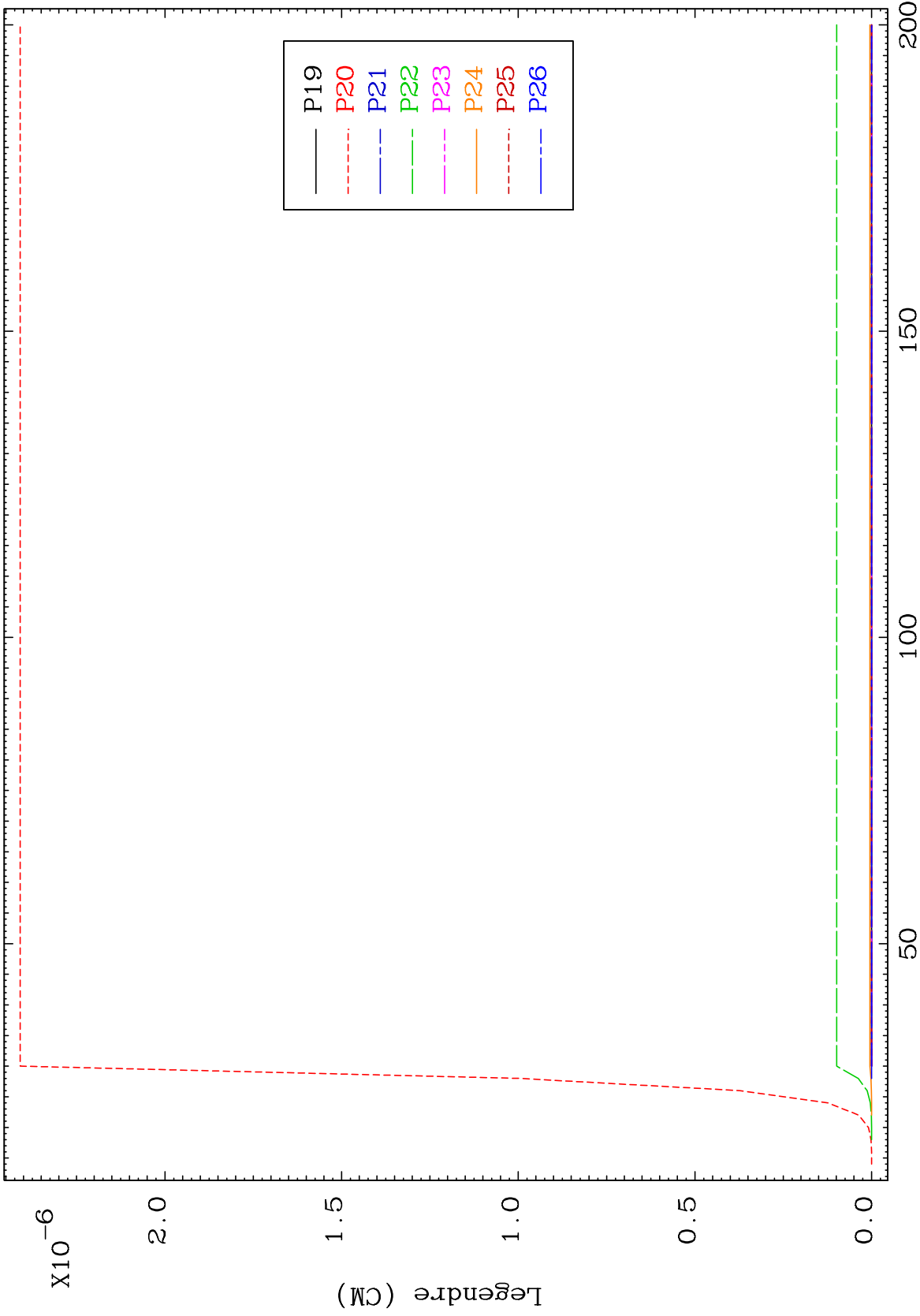
Incident Energy (MeV)

50-Sn-134

MAT 5091

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

50-Sn-134

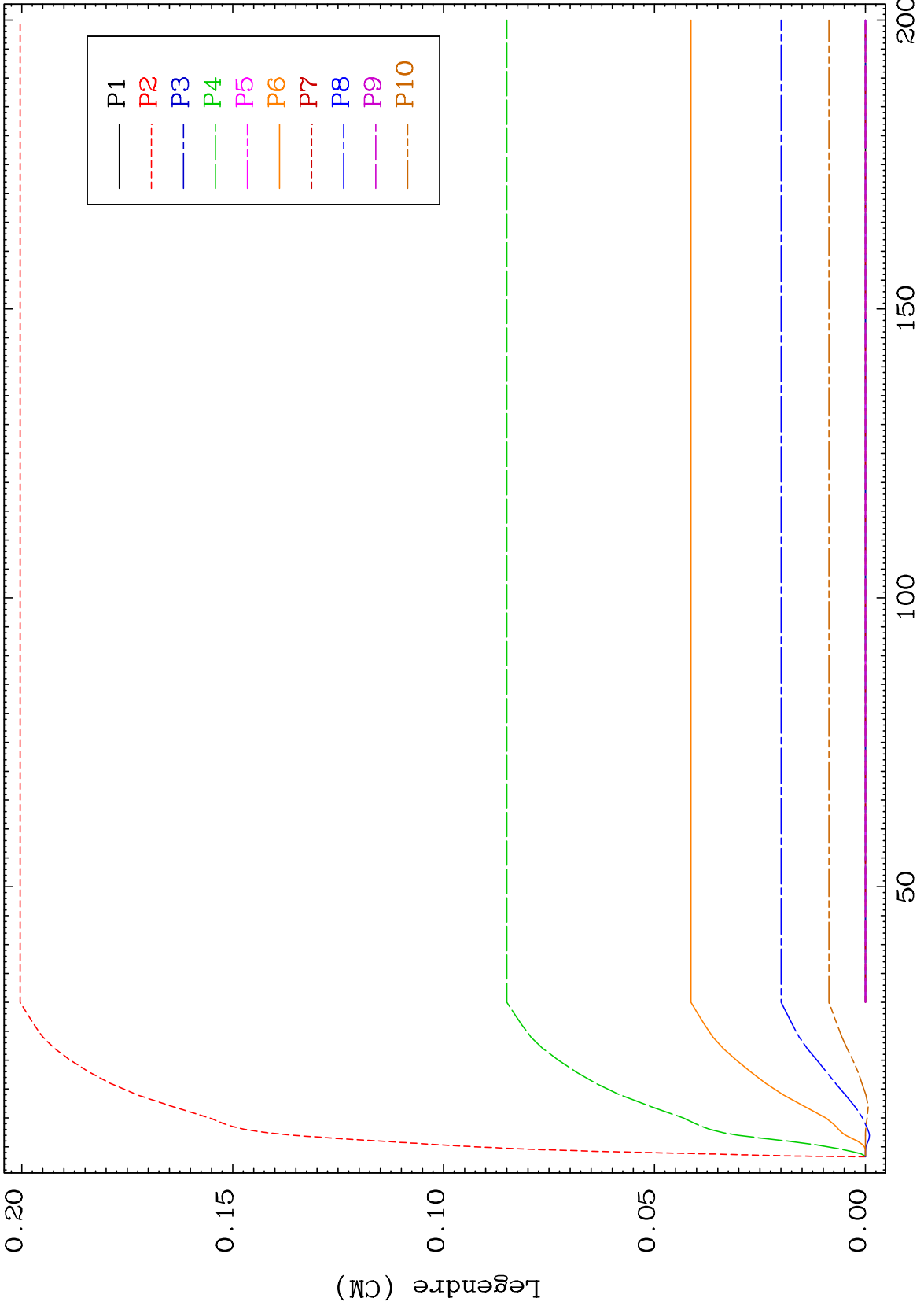


78

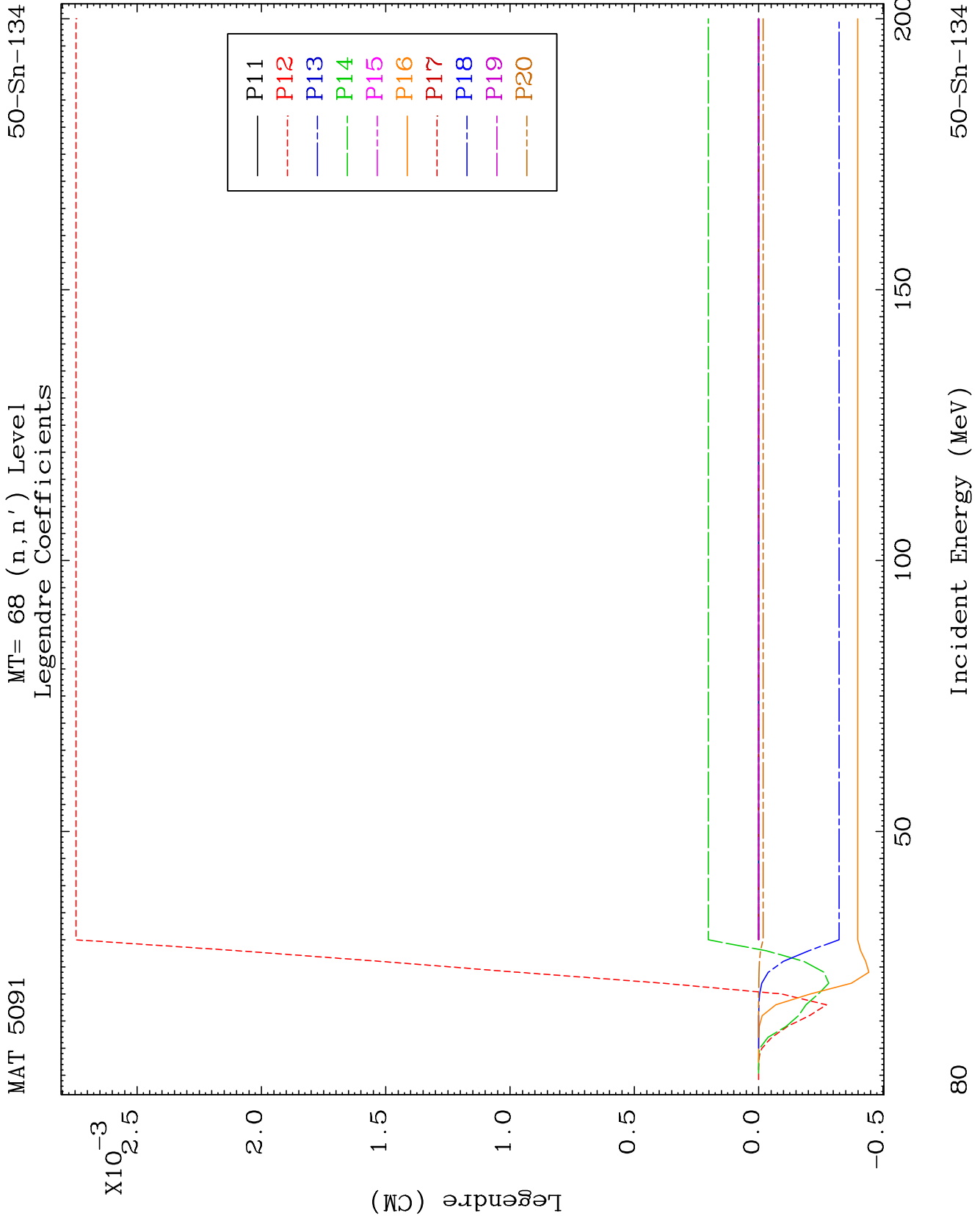
Incident Energy (MeV)

50-Sn-134

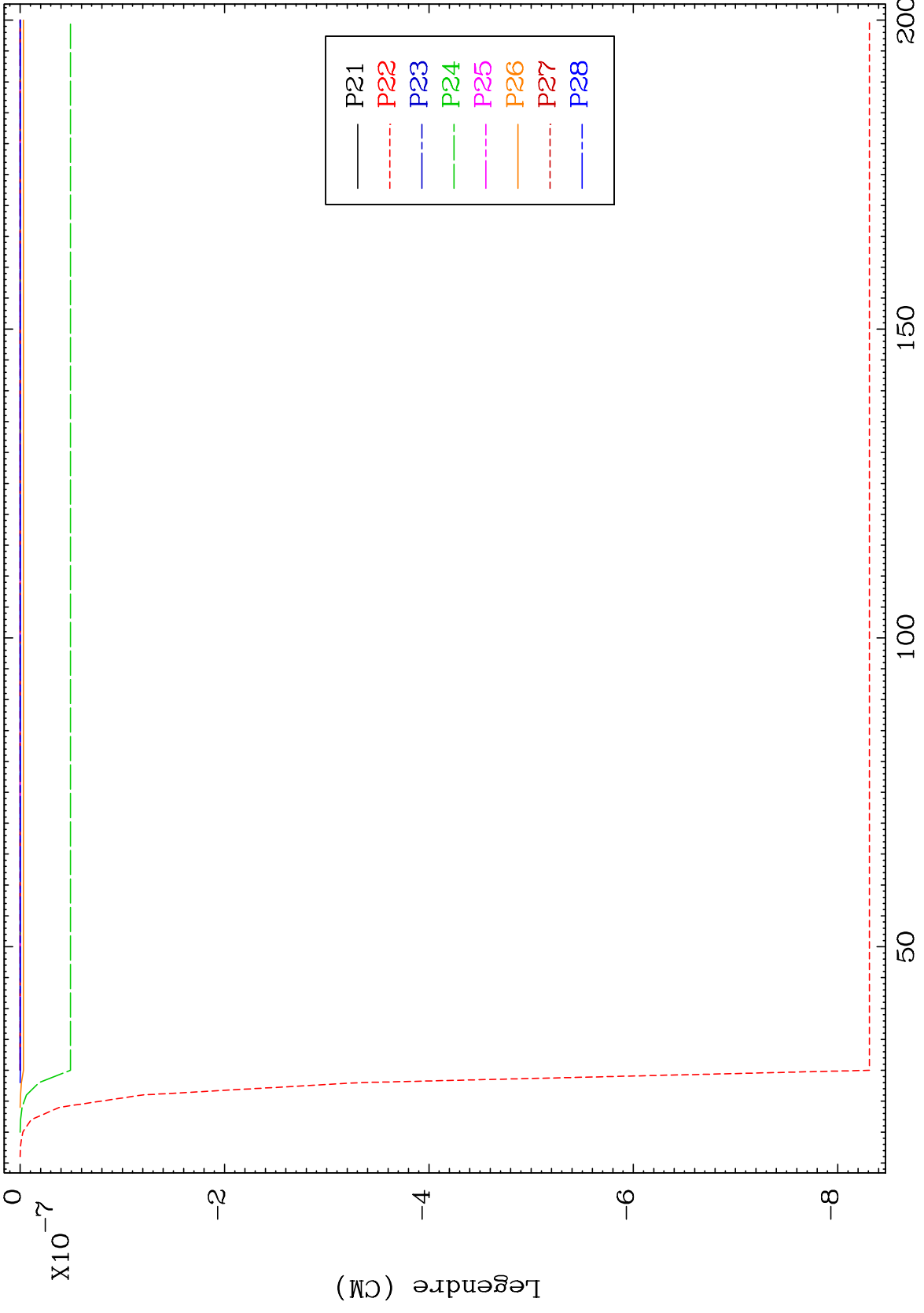
MAT 5091 MT= 68 (n,n') Level Legendre Coefficients 50-Sn-134



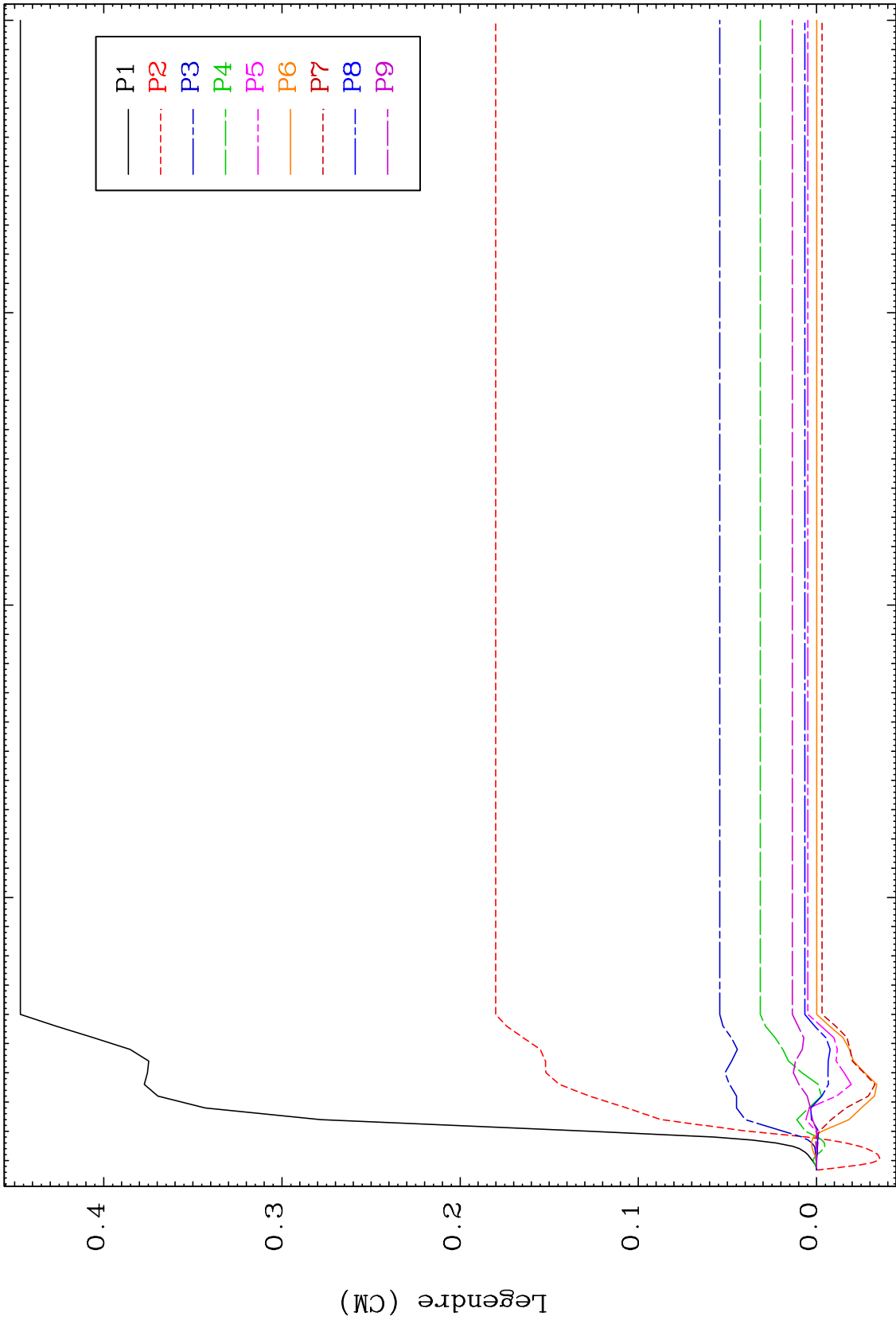
79 Incident Energy (MeV) 50-Sn-134



MAT 5091 MT= 68 (n,n') Level Legendre Coefficients 50-Sn-134



MAT 5091 MT= 69 (n,n') Level Legendre Coefficients 50-Sn-134

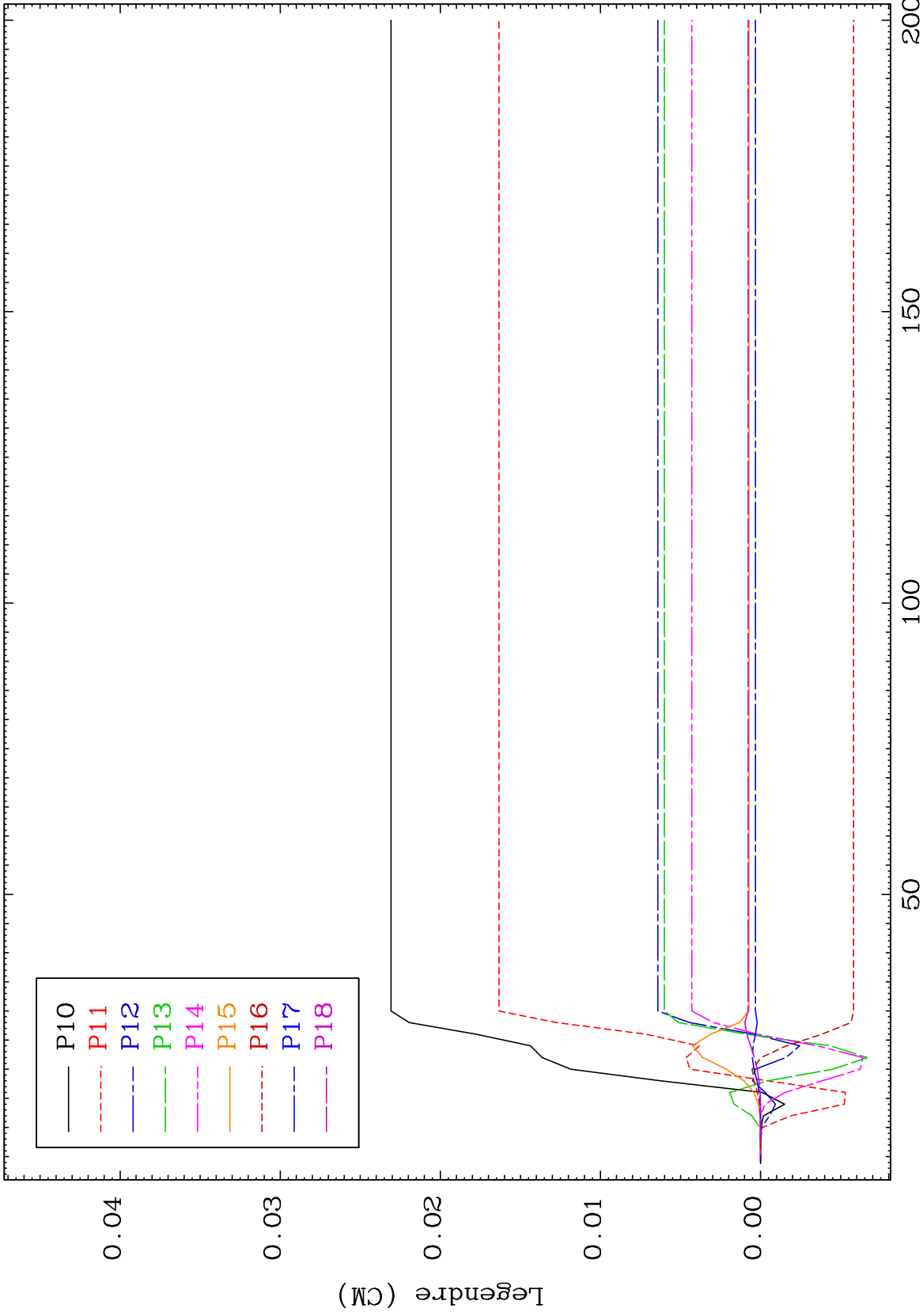


82 Incident Energy (MeV) 50-Sn-134

MAT 5091

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

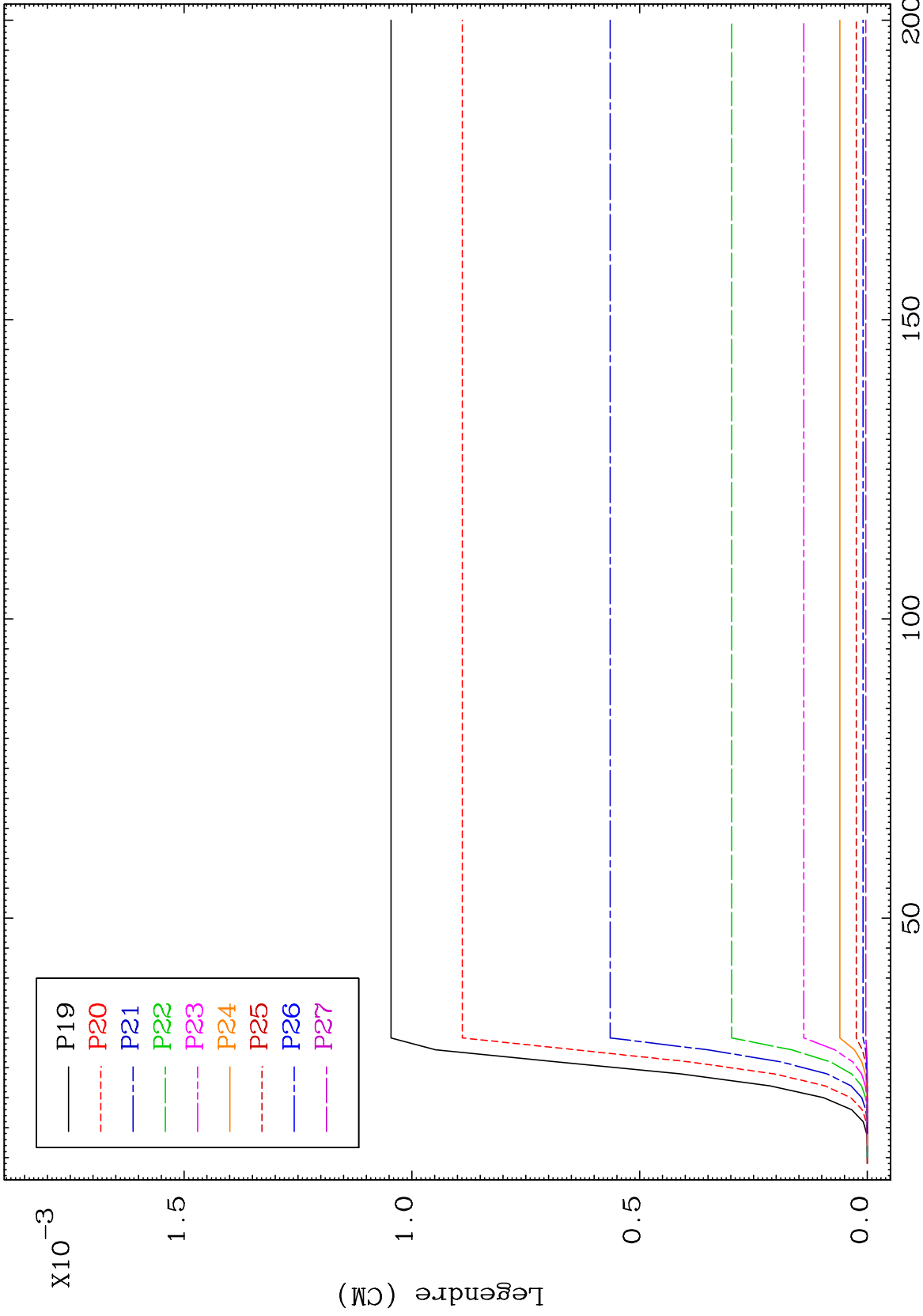
50-Sn-134



MAT 5091

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

50-Sn-134

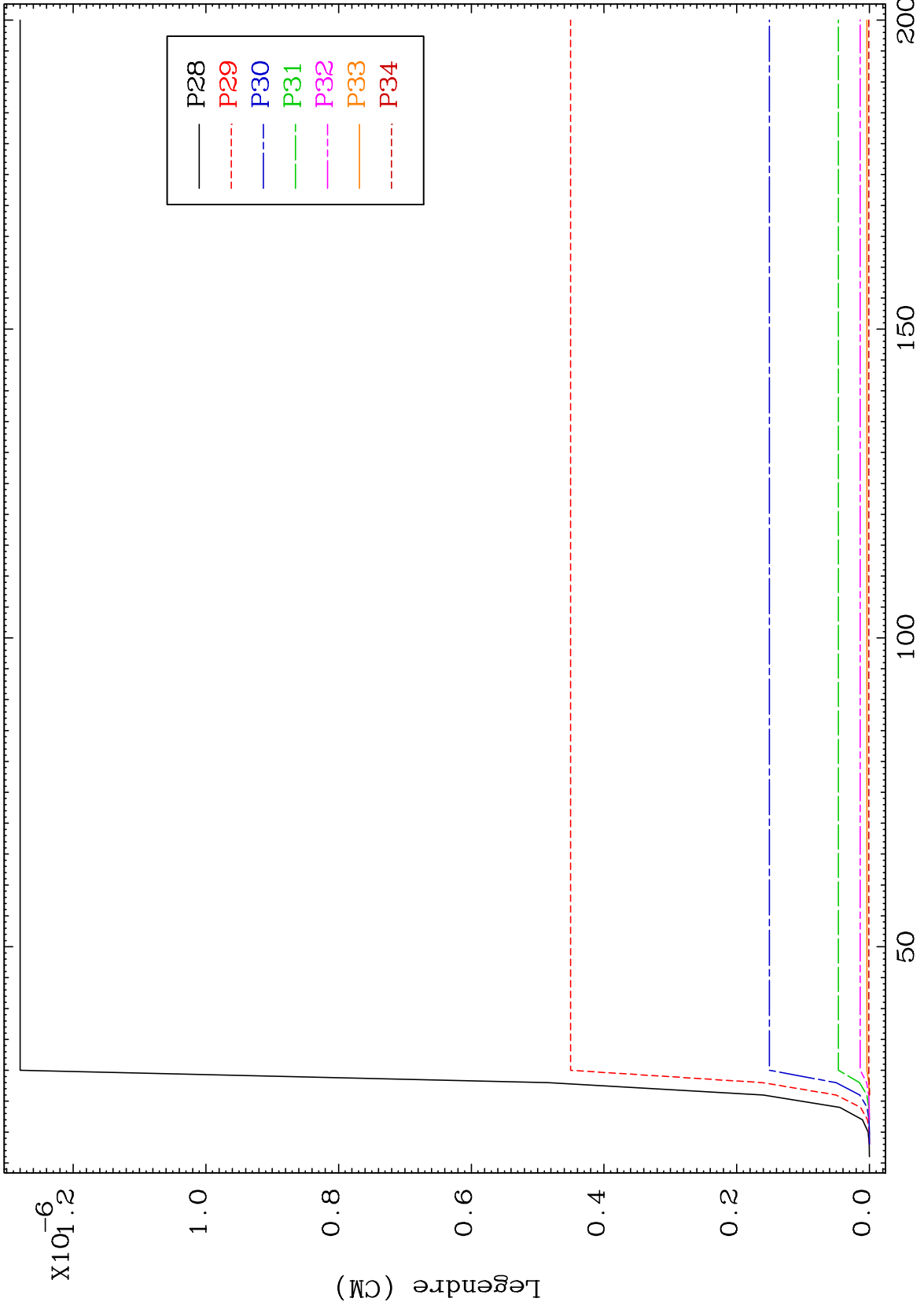


84

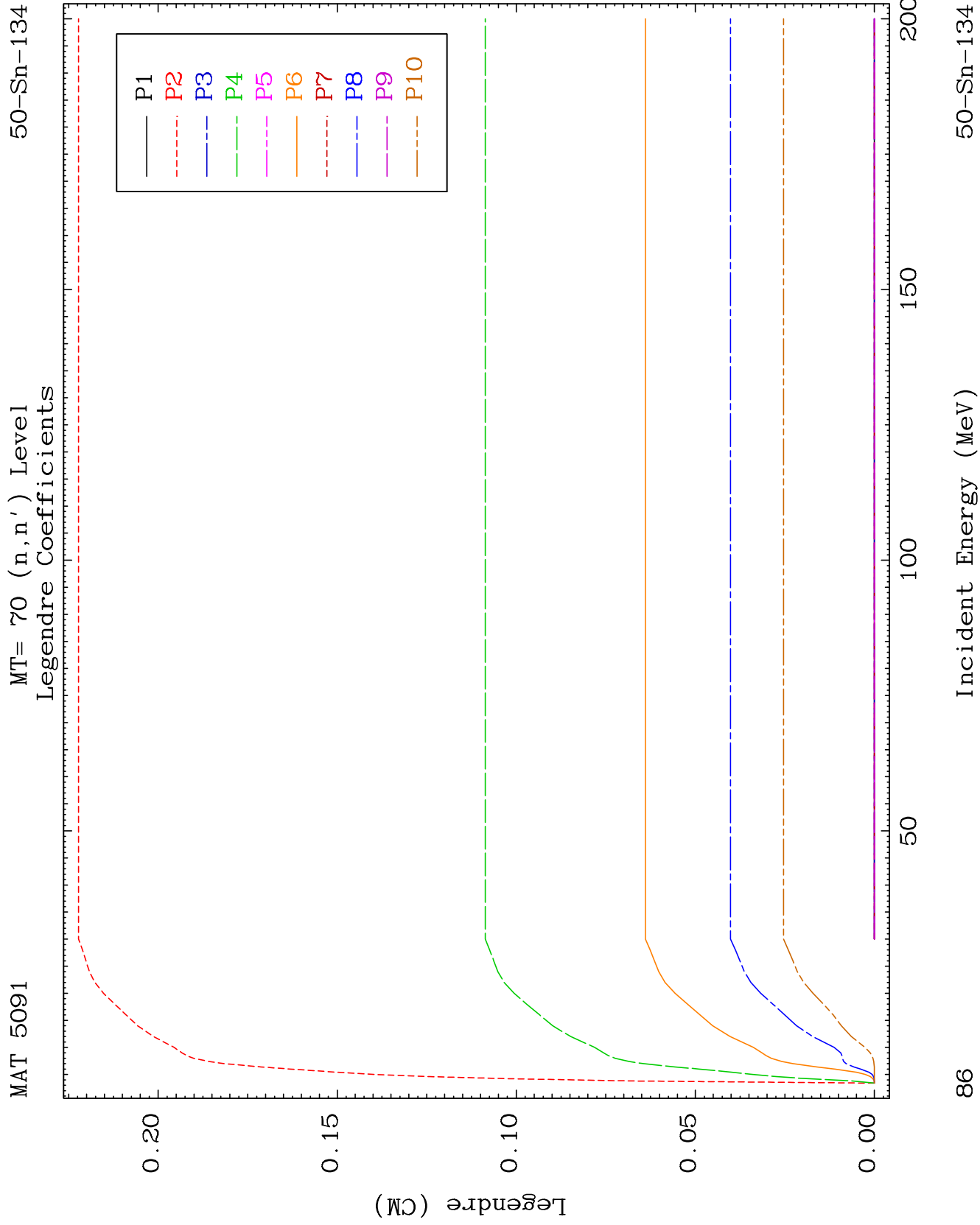
Incident Energy (MeV)

50-Sn-134

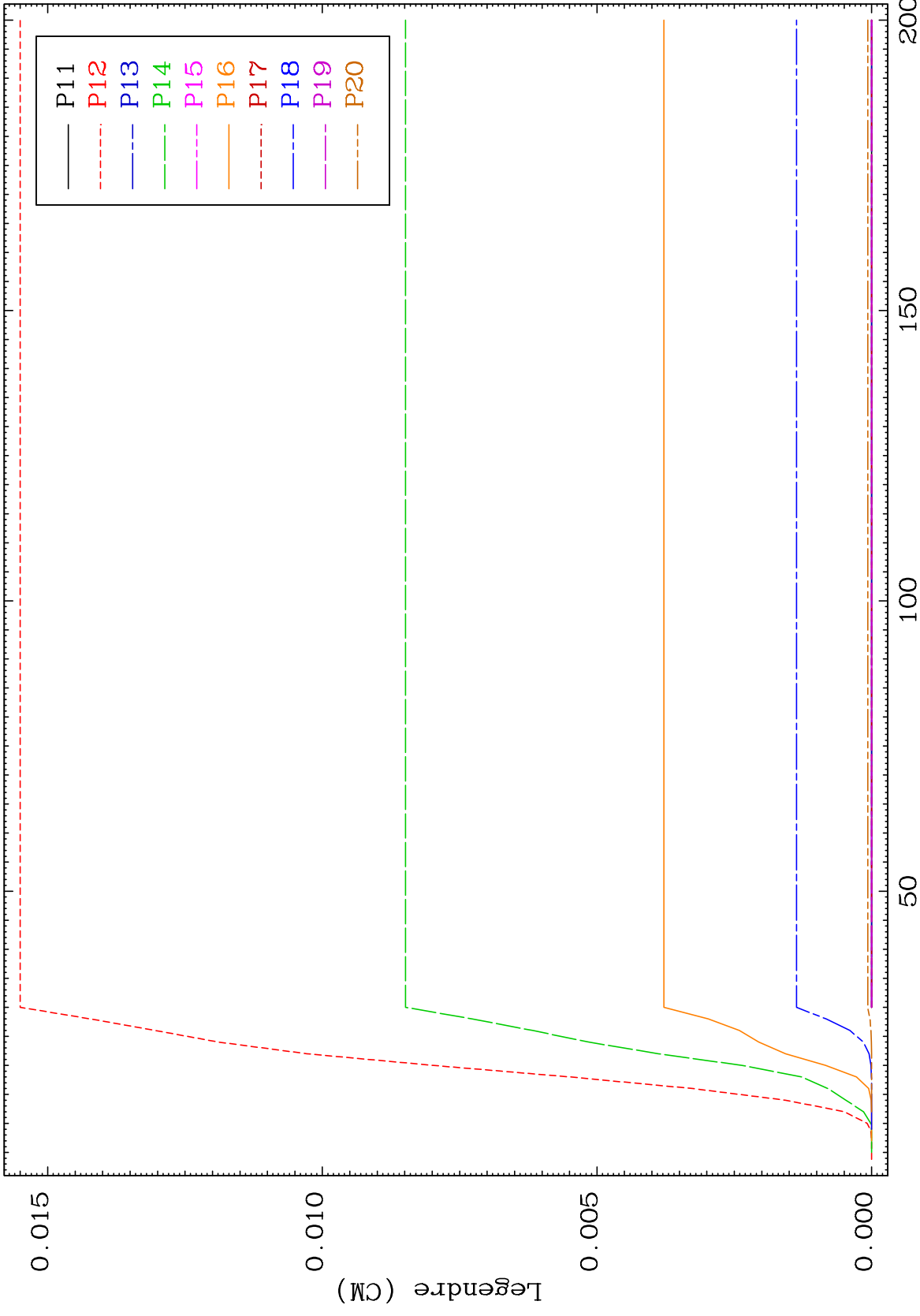
MAT 5091 MT= 69 (n,n') Level Legendre Coefficients 50-Sn-134



85 Incident Energy (MeV) 50-Sn-134

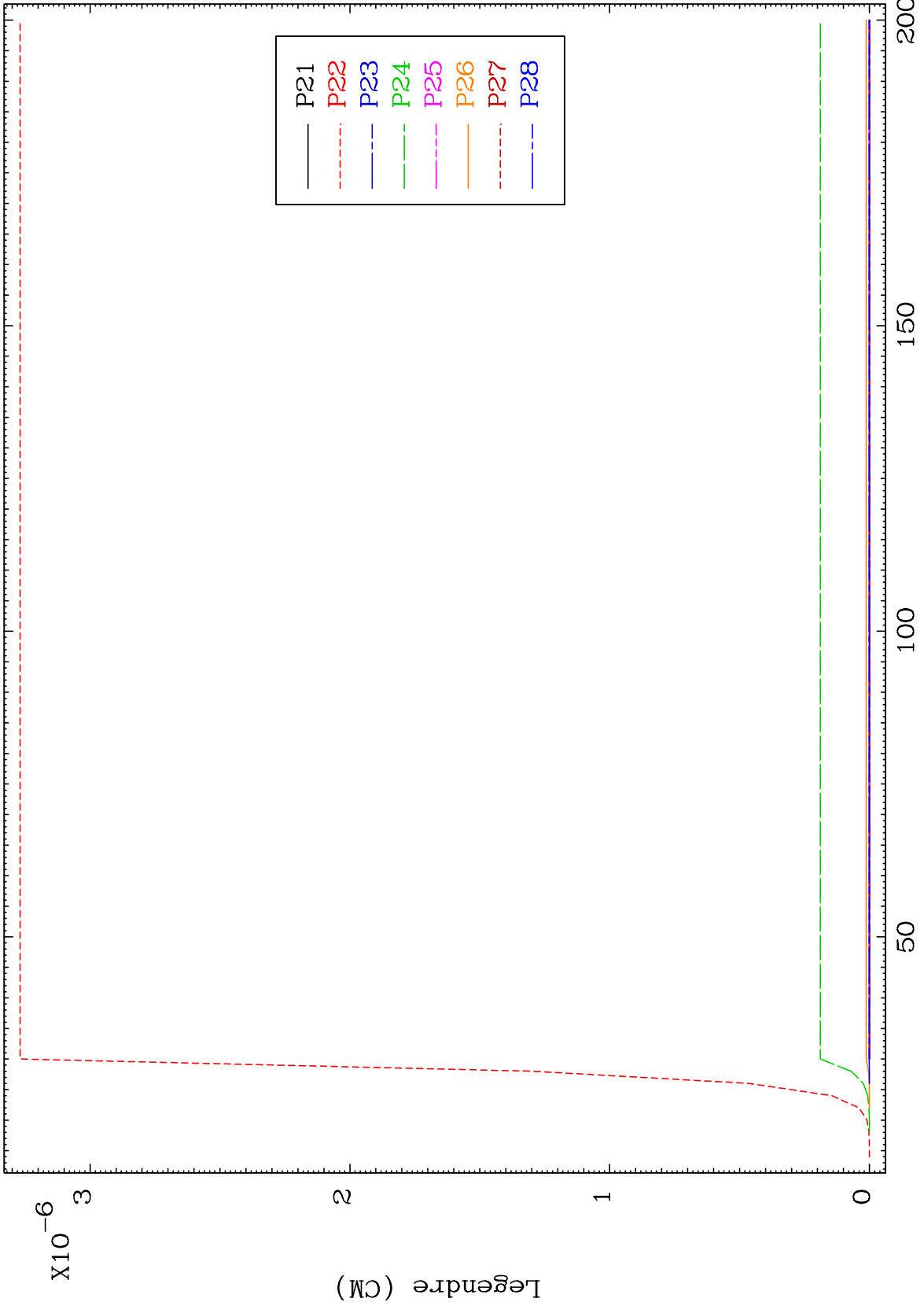


MAT 5091 MT= 70 (n,n') Level Legendre Coefficients 50-Sn-134



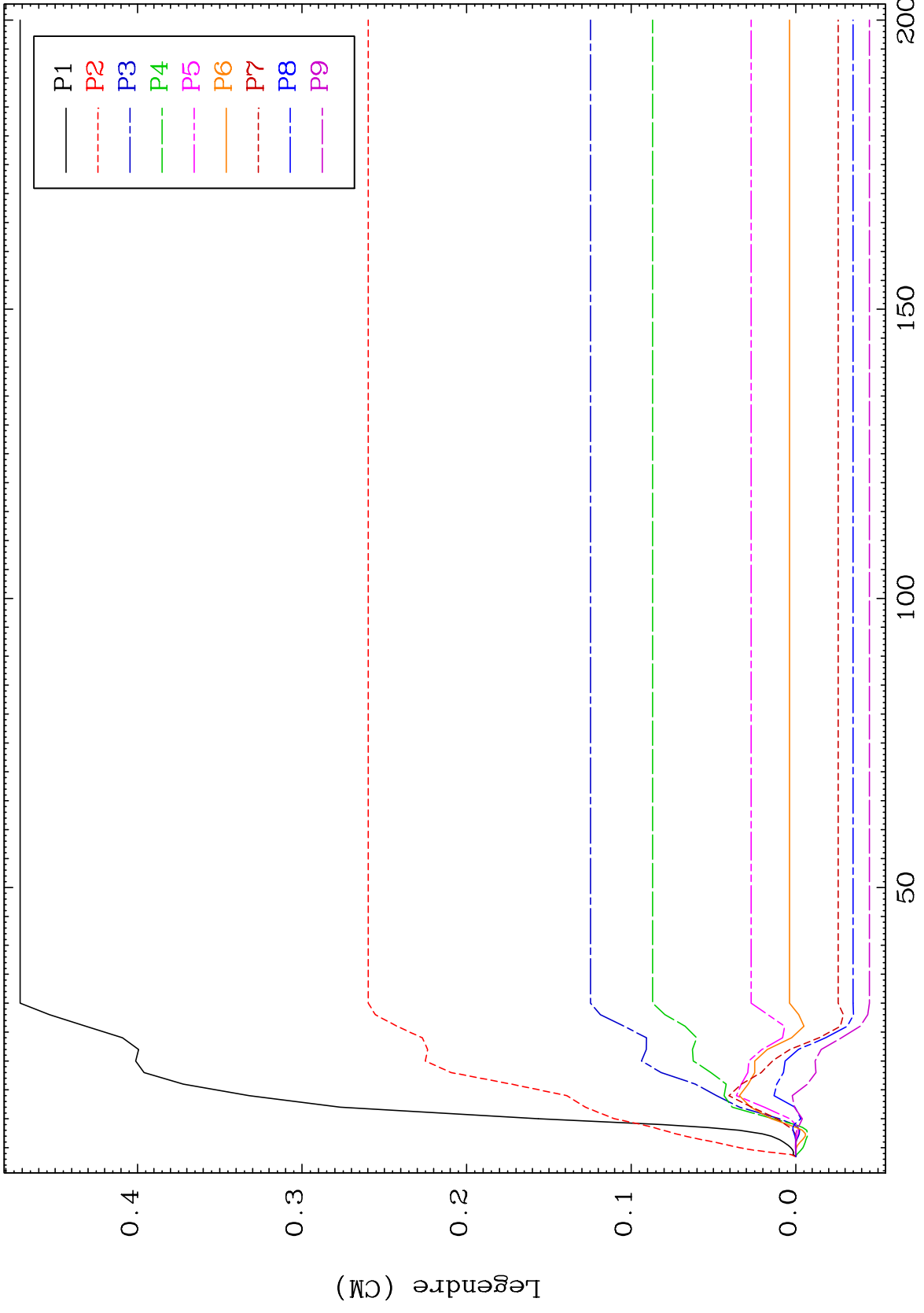
87

MAT 5091 MT= 70 (n,n') Level Legendre Coefficients 50-Sn-134



88 50-Sn-134

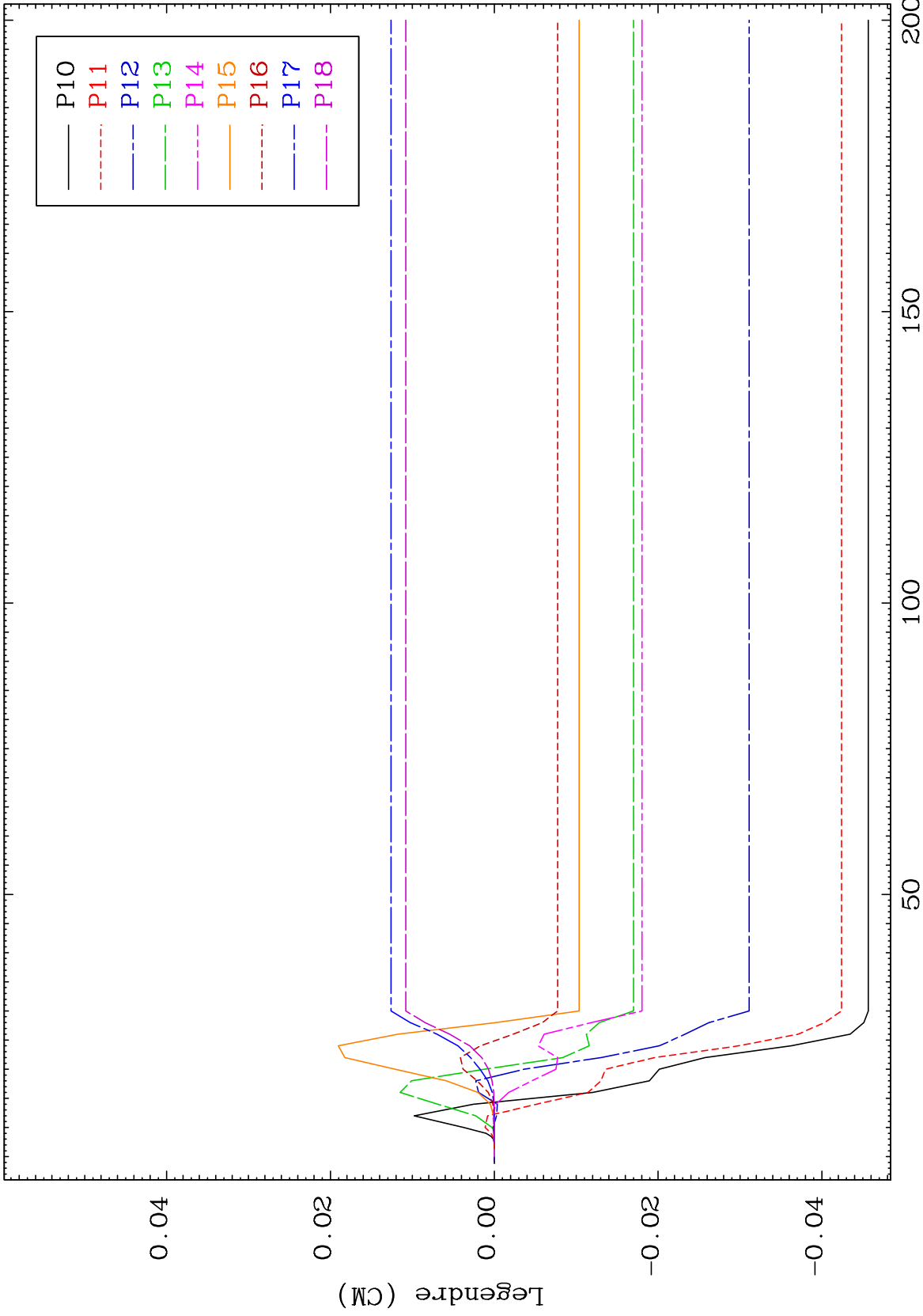
MAT 5091 MT= 71 (n,n') Level Legendre Coefficients 50-Sn-134



MAT 5091

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

50-Sn-134

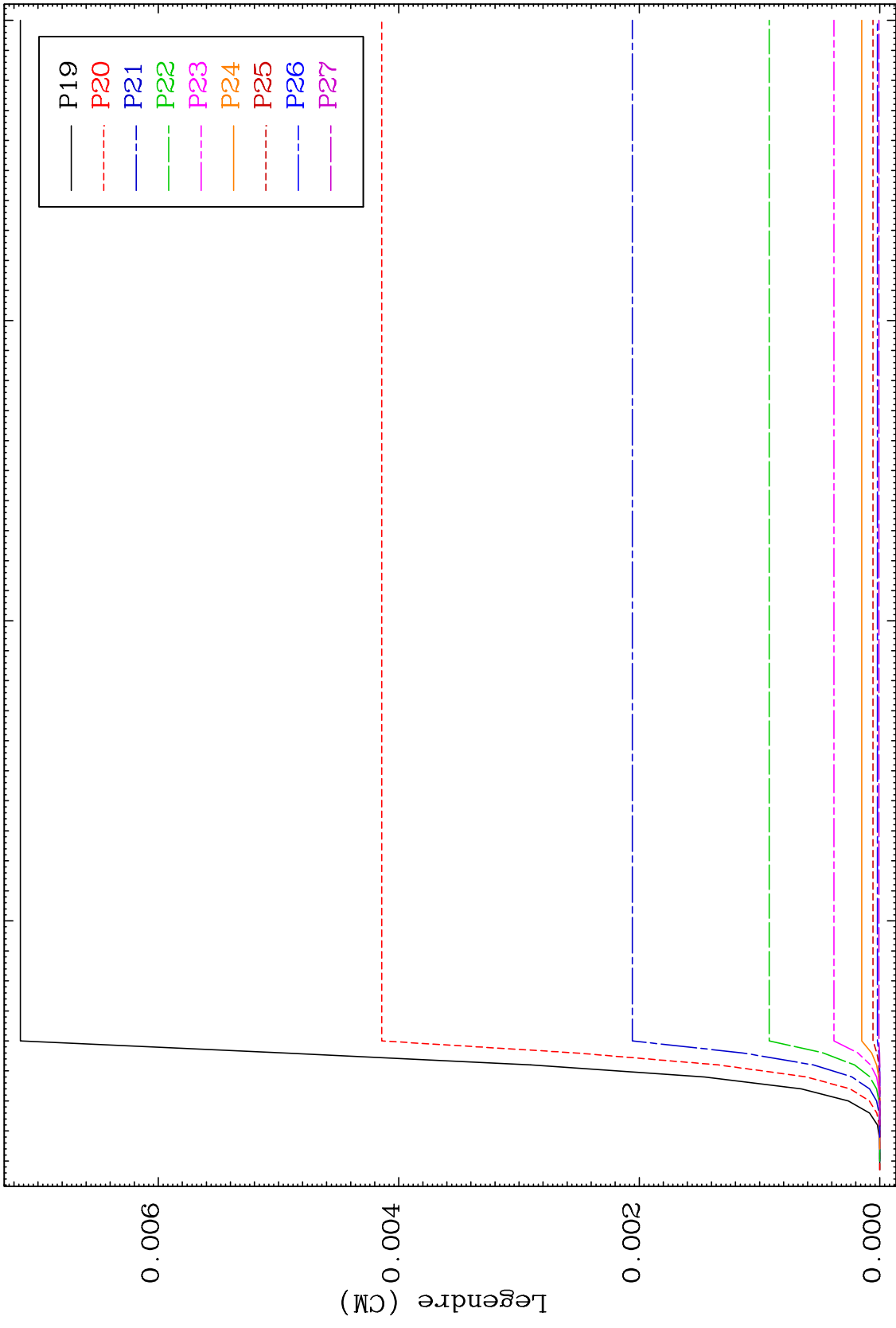


90

Incident Energy (MeV)

50-Sn-134

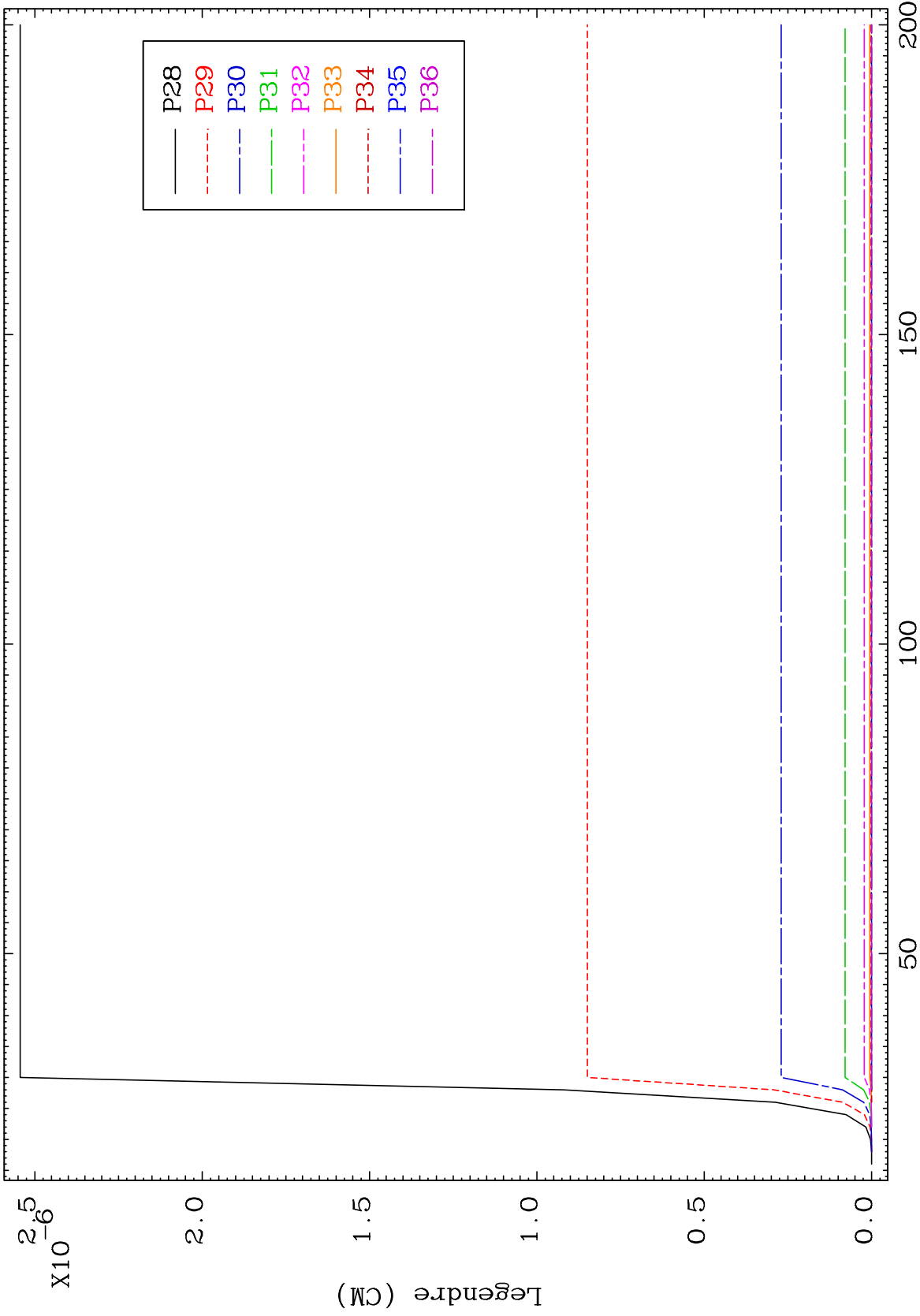
MAT 5091 MT= 71 (n,n') Level Legendre Coefficients 50-Sn-134



MAT 5091

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

50-Sn-134

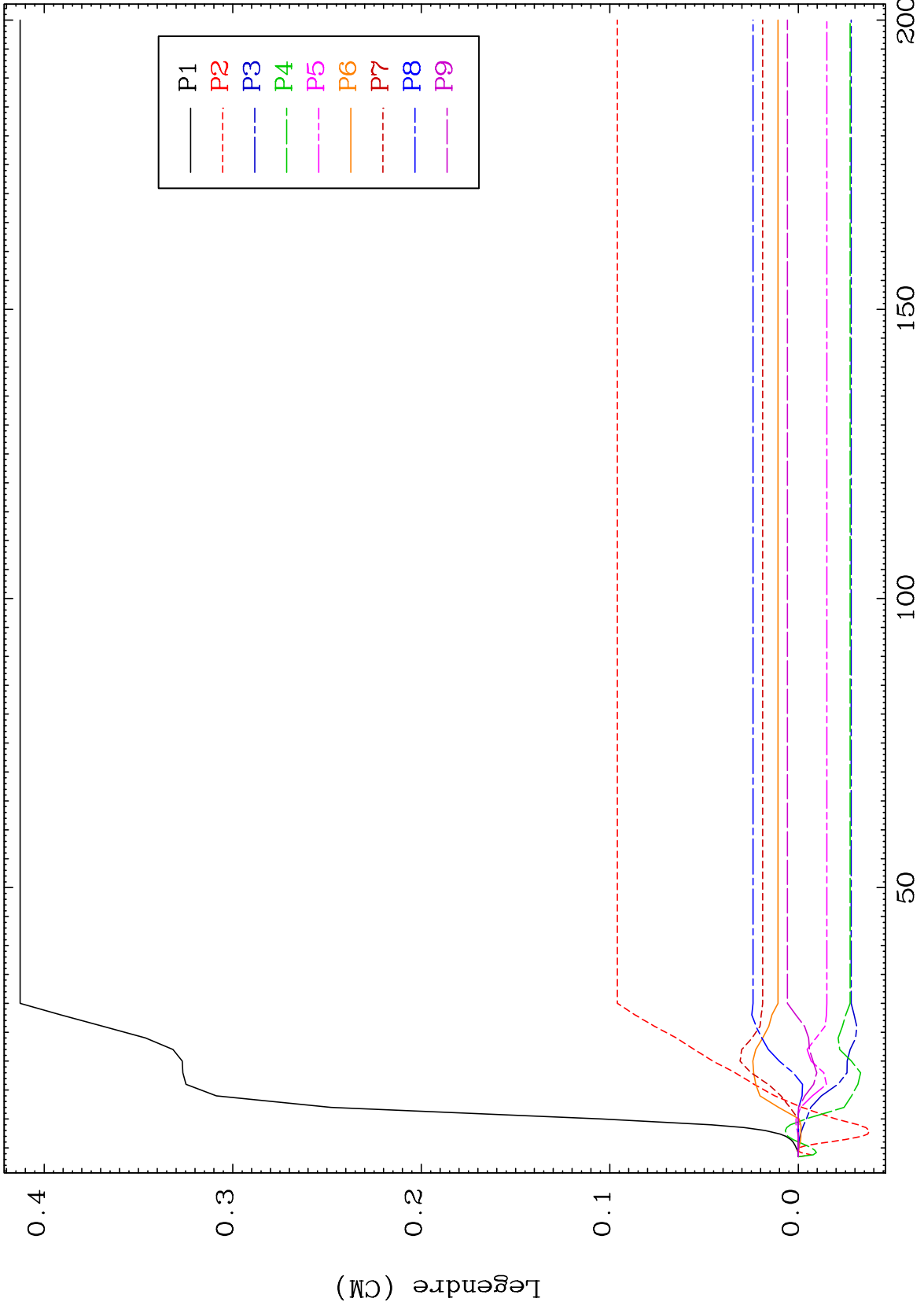


92

Incident Energy (MeV)

50-Sn-134

MAT 5091 MT= 72 (n,n') Level Legendre Coefficients 50-Sn-134

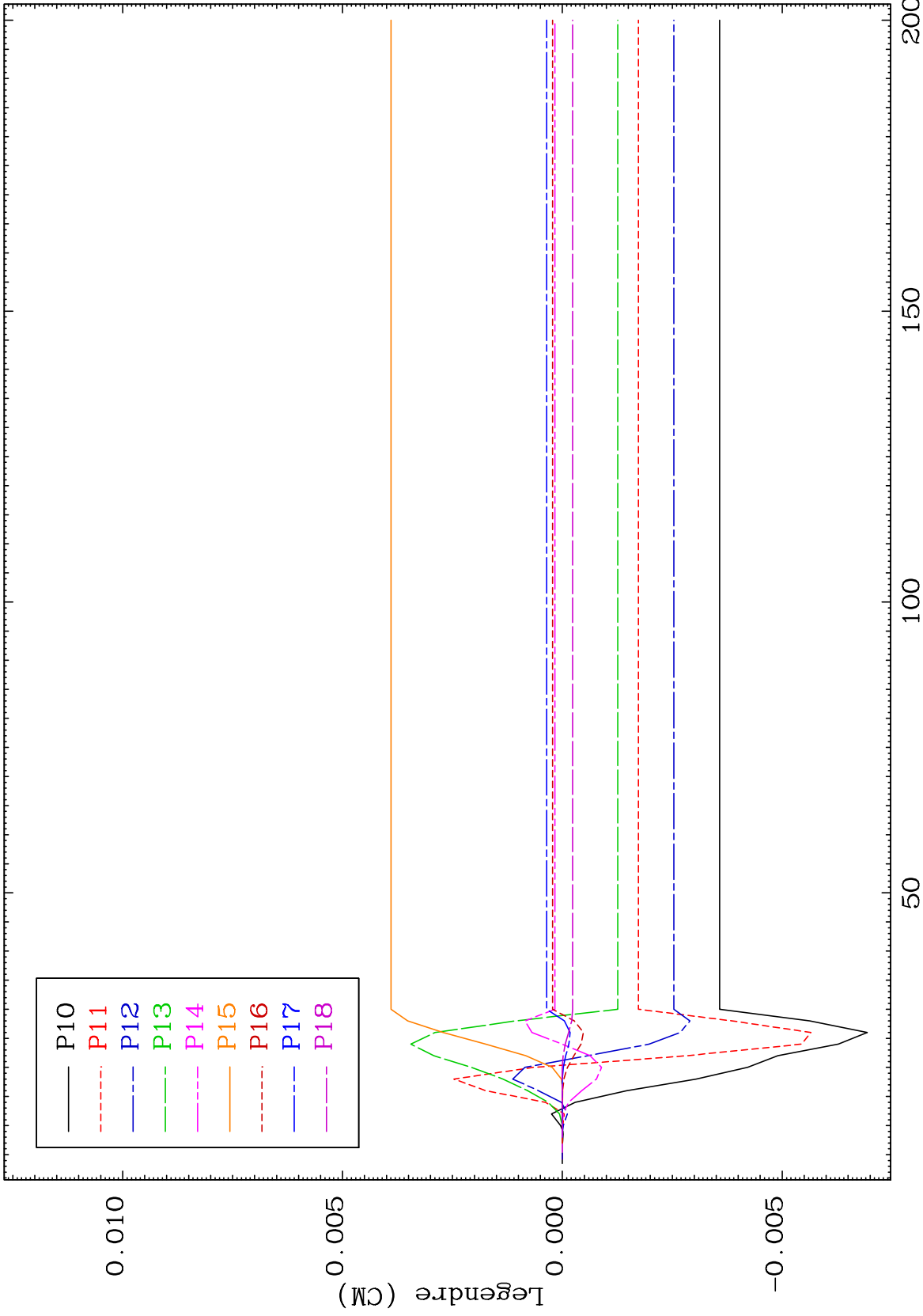


93 50-Sn-134

MAT 5091

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

50-Sn-134

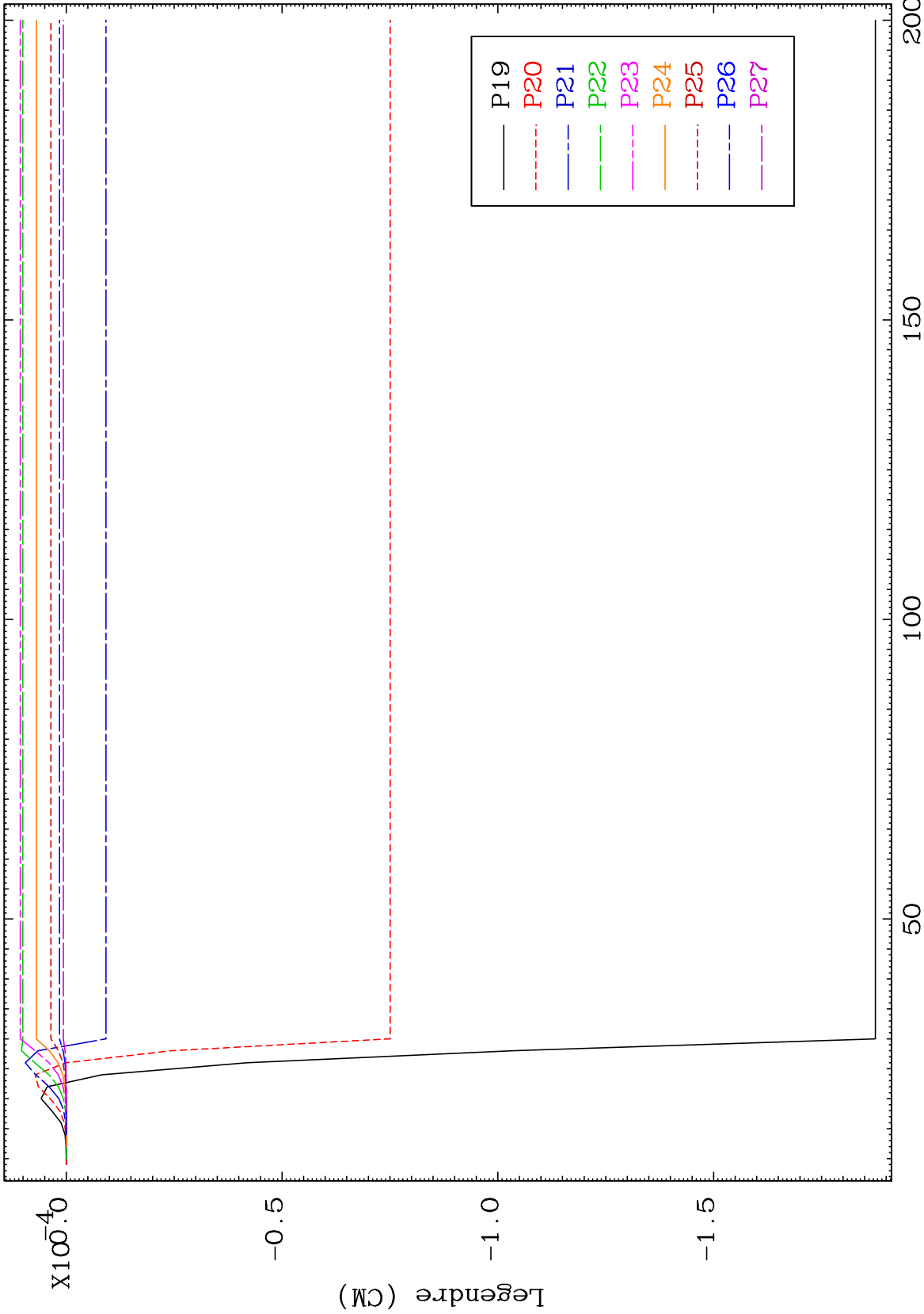


94

Incident Energy (MeV)

50-Sn-134

MAT 5091 MT= 72 (n,n') Level Legendre Coefficients 50-Sn-134

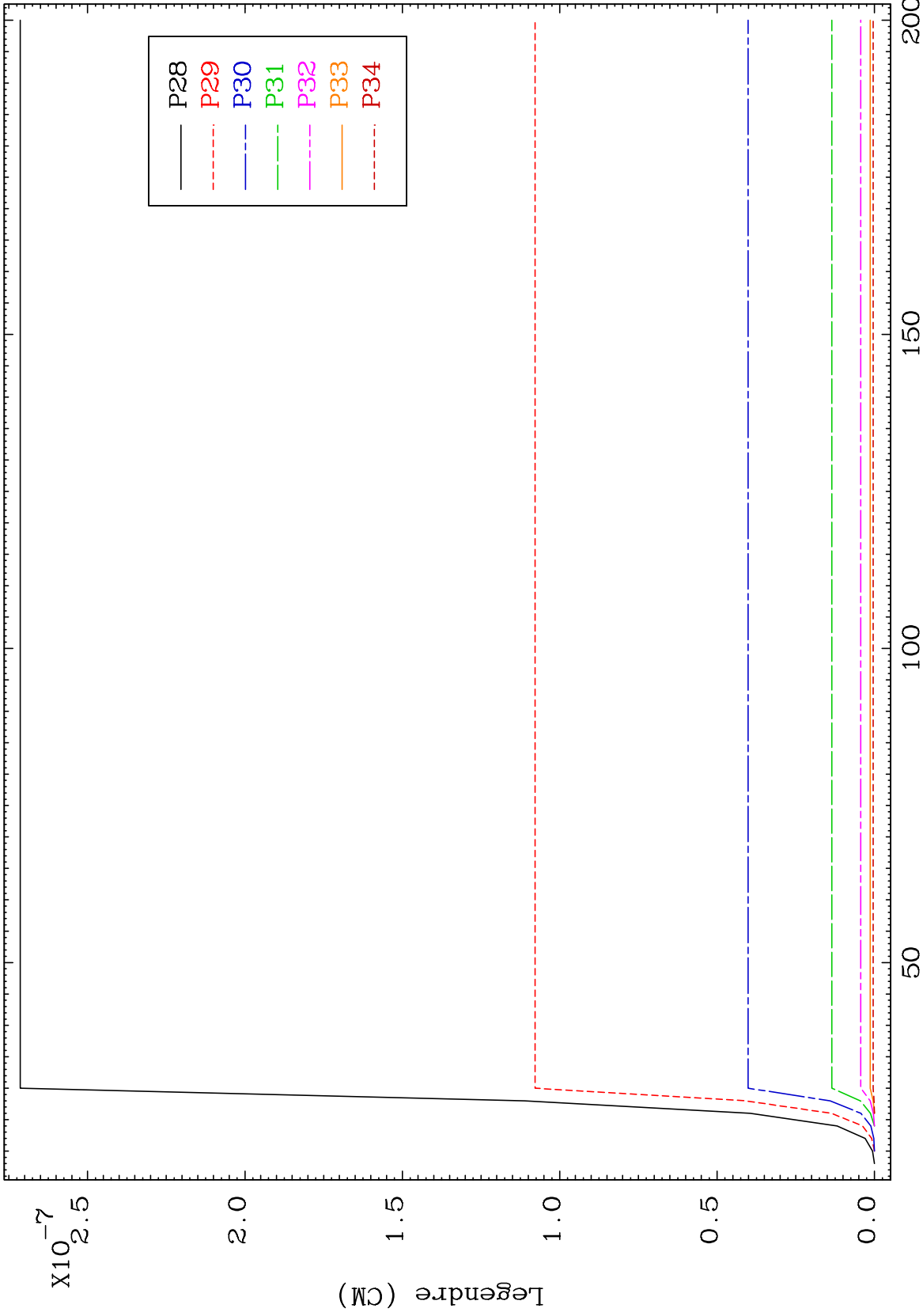


95 50-Sn-134

MAT 5091

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

50-Sn-134



96

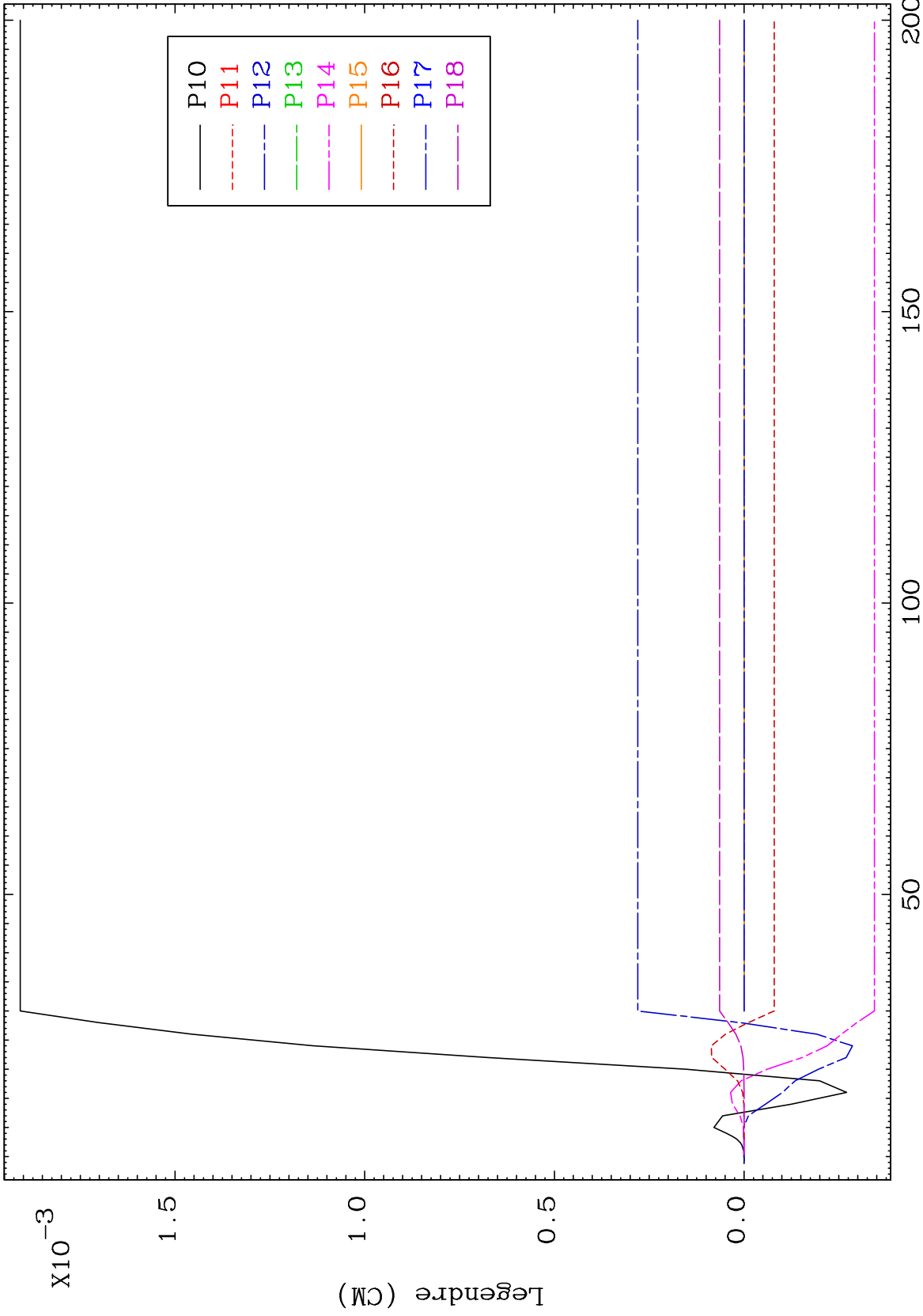
Incident Energy (MeV)

50-Sn-134

MAT 5091

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

50-Sn-134

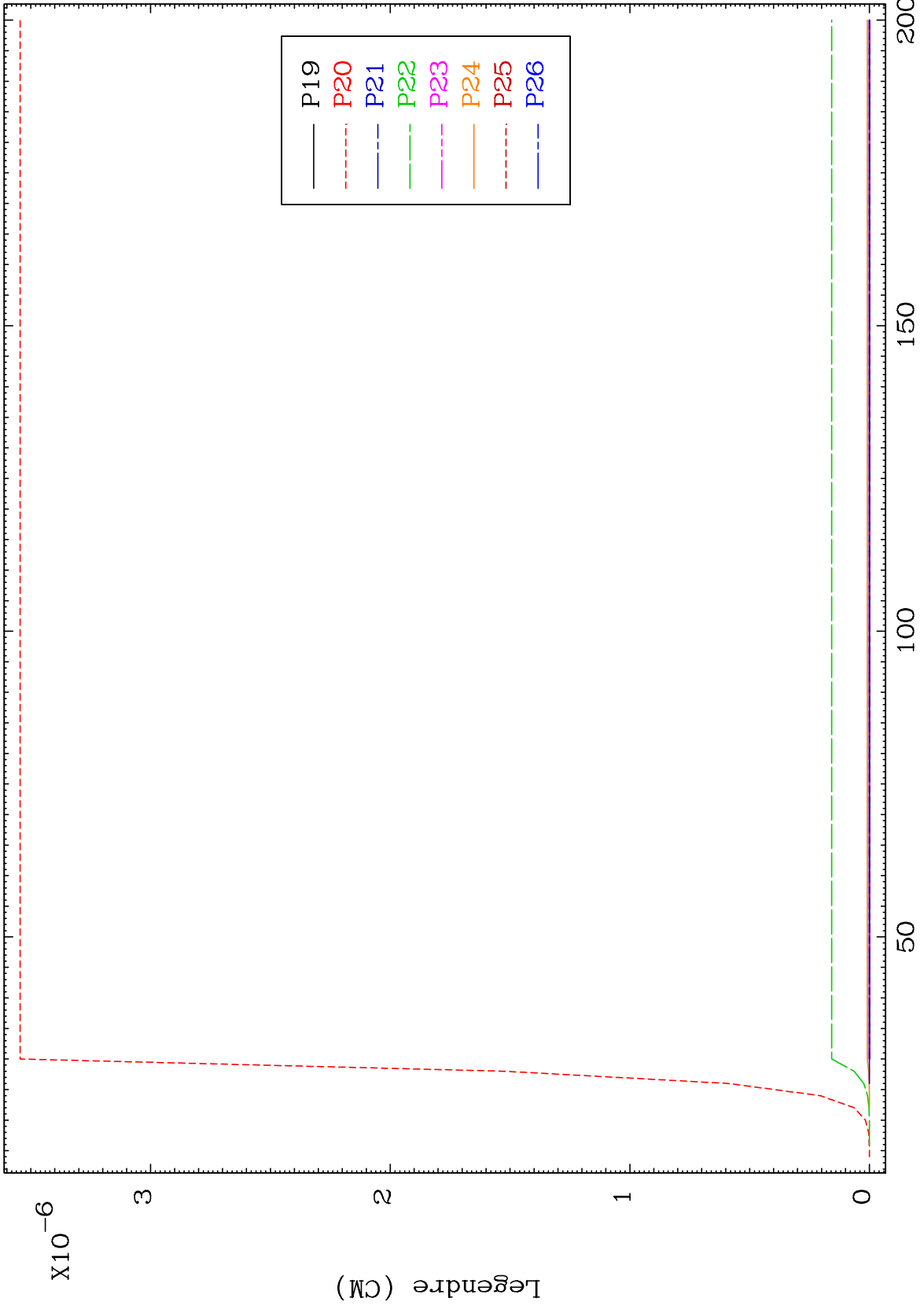


98

Incident Energy (MeV)

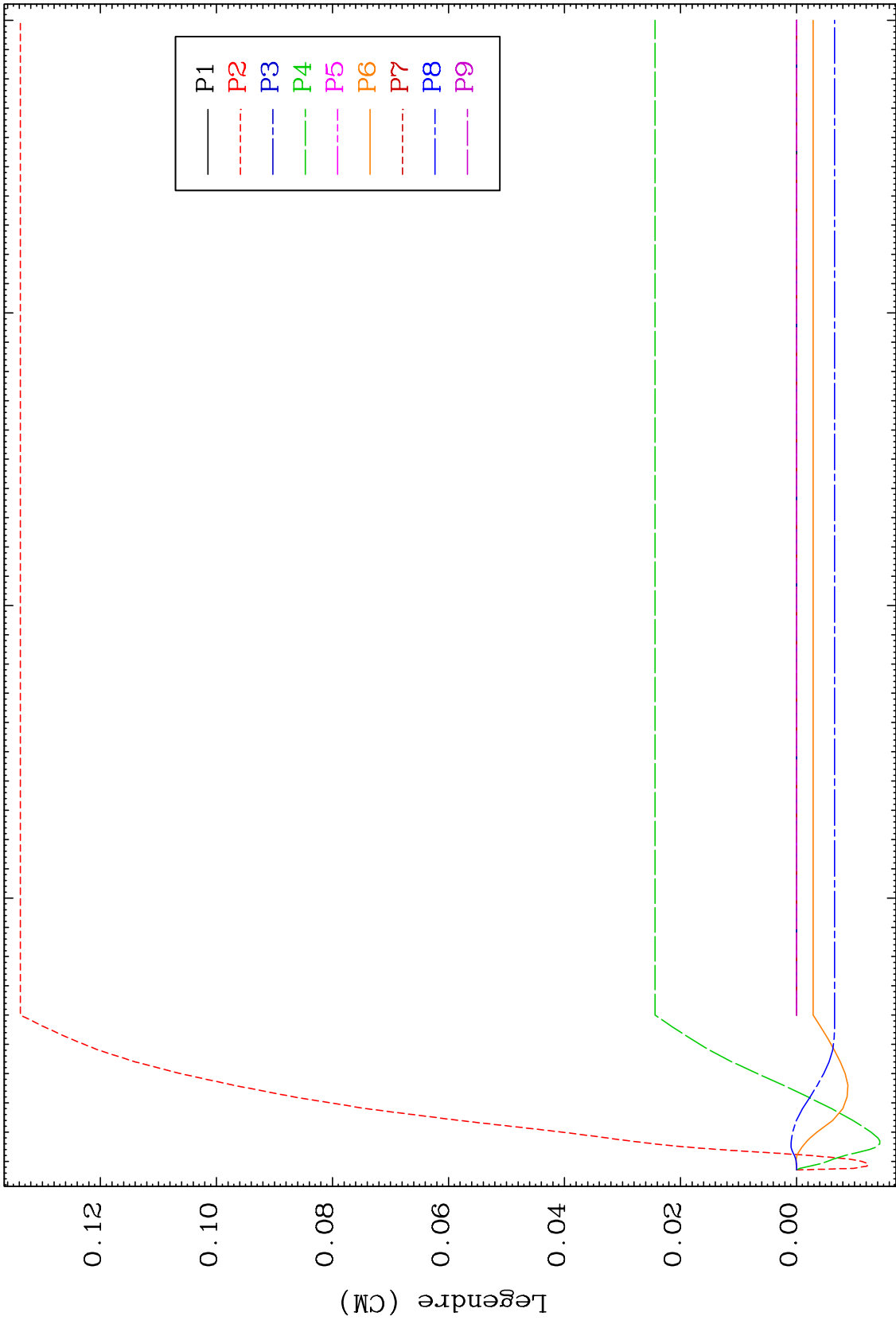
50-Sn-134

MAT 5091 MT= 73 (n,n') Level Legendre Coefficients 50-Sn-134



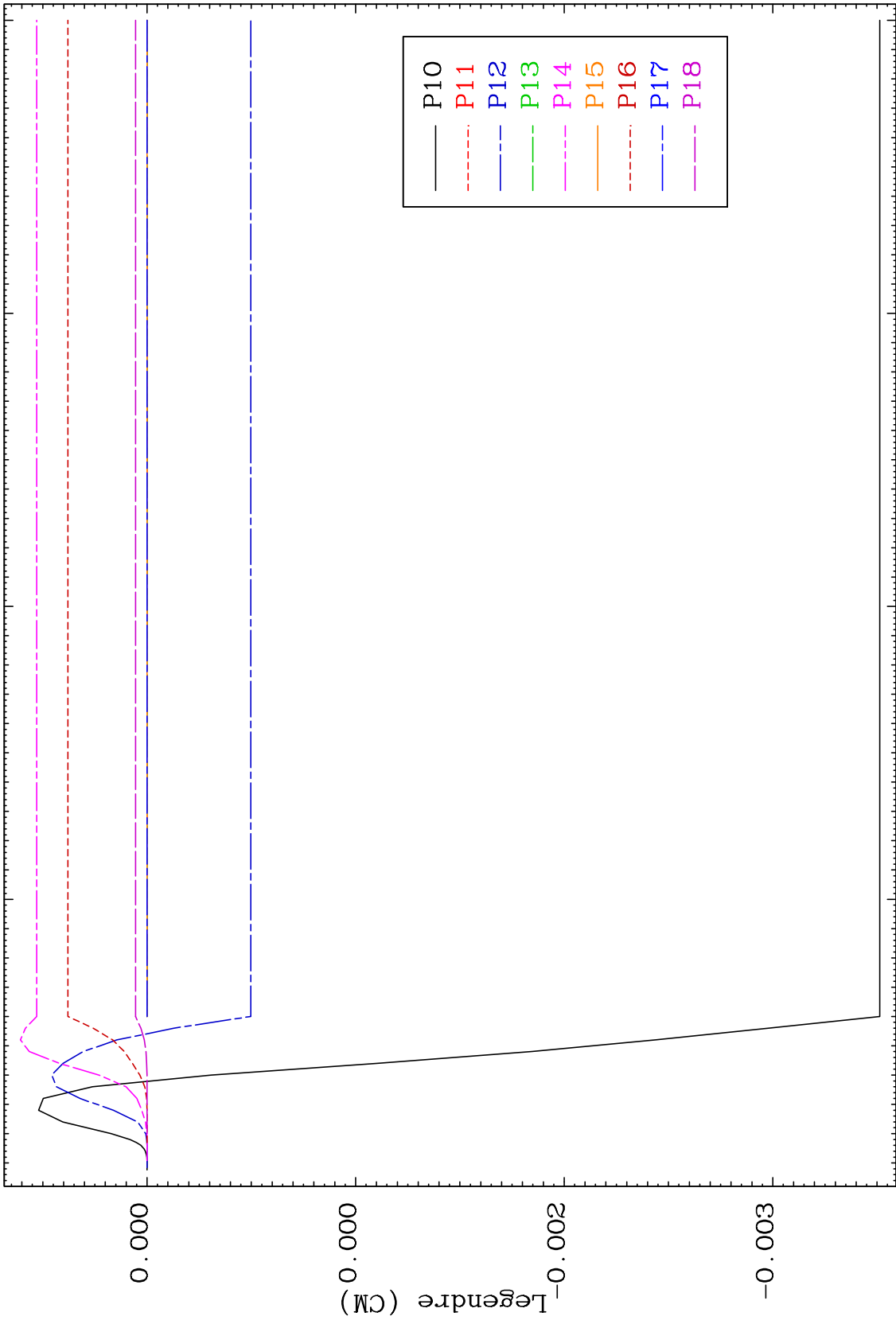
99 50-Sn-134

MAT 5091 MT= 74 (n,n') Level Legendre Coefficients 50-Sn-134



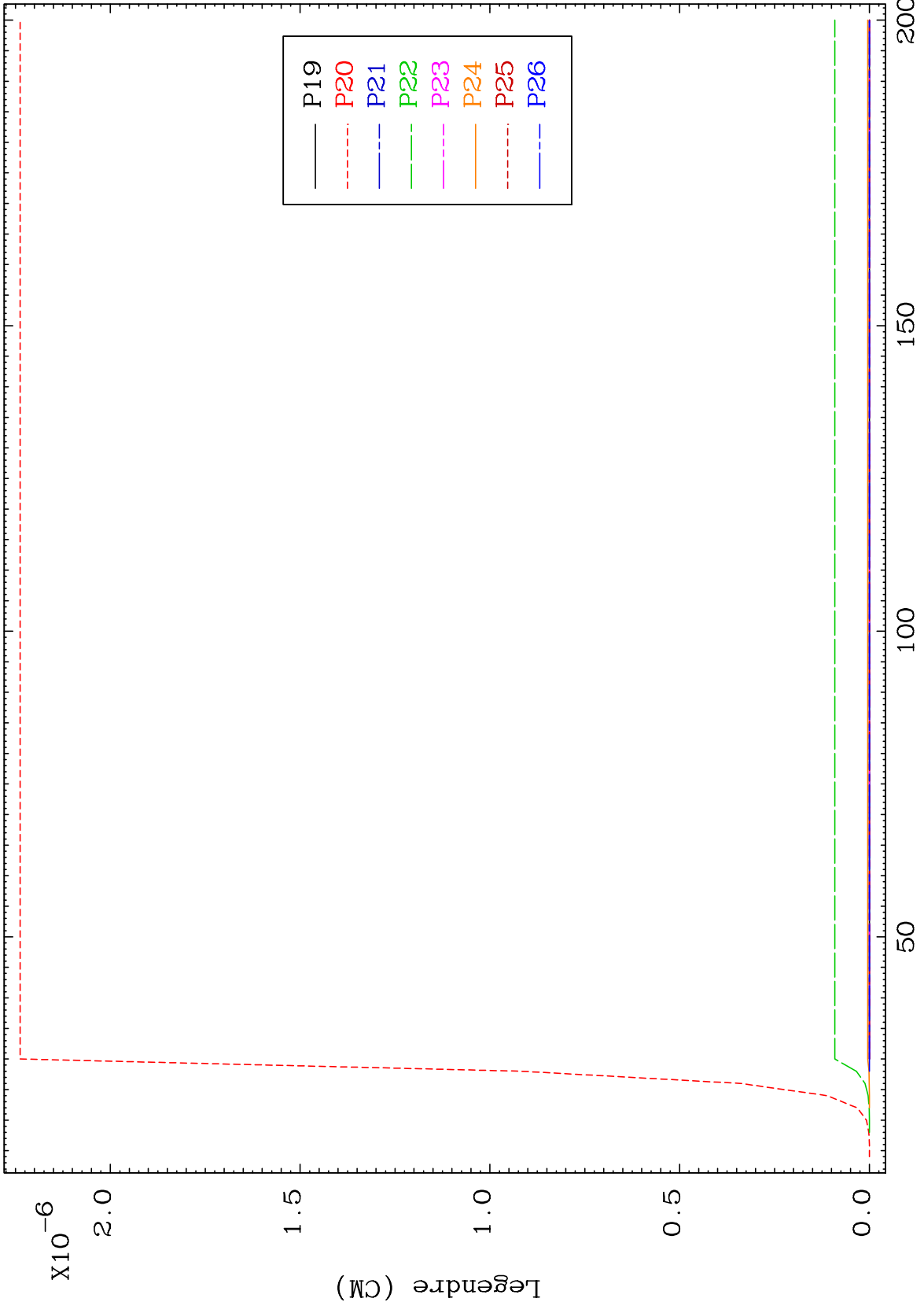
Legendre (CM) Incident Energy (MeV) 50-Sn-134

MAT 5091 MT= 74 (n,n') Level Legendre Coefficients 50-Sn-134



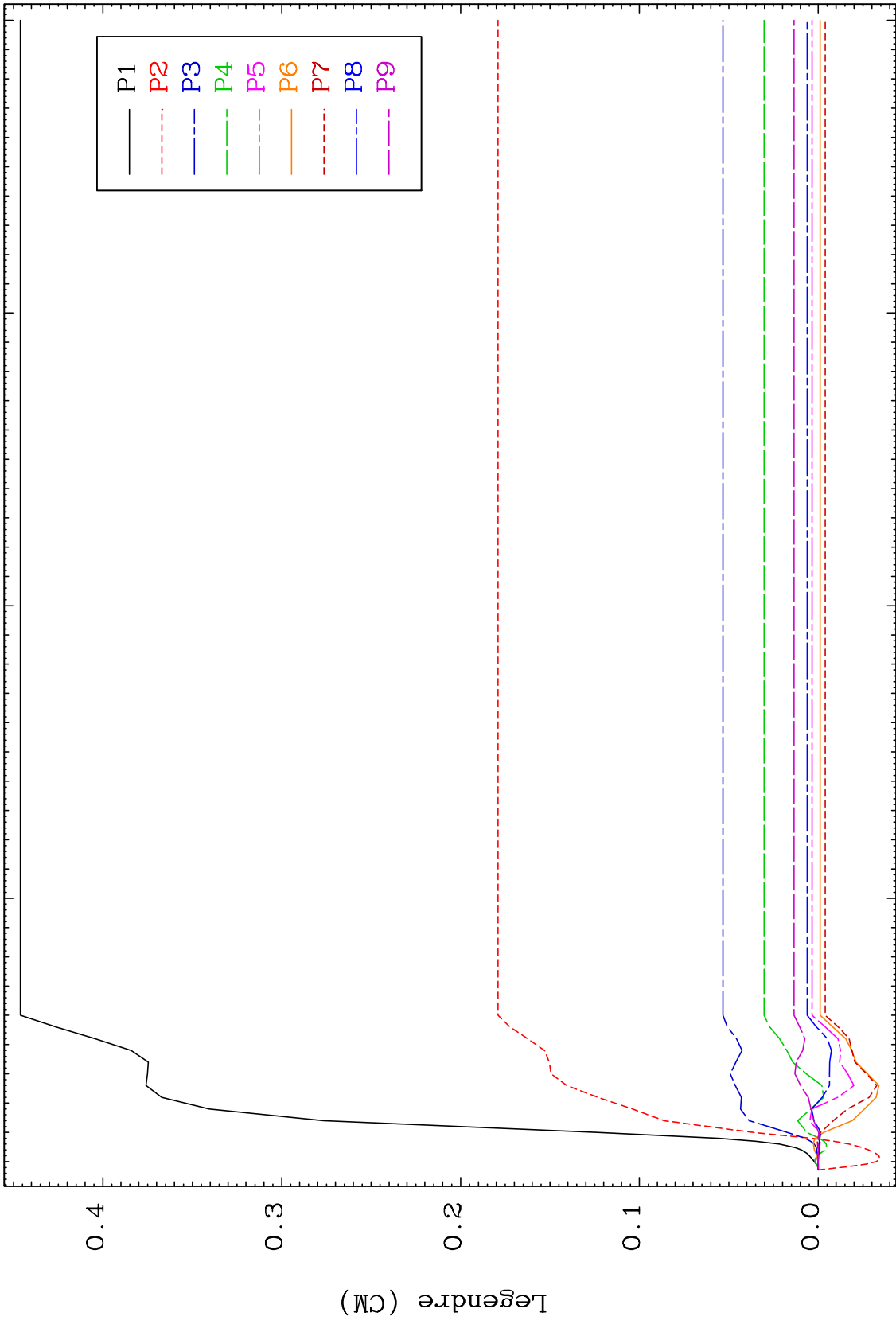
101 Incident Energy (MeV) 50-Sn-134

MAT 5091 MT= 74 (n,n') Level Legendre Coefficients 50-Sn-134



102 50 100 150 200 Incident Energy (MeV) 50-Sn-134

MAT 5091 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-134

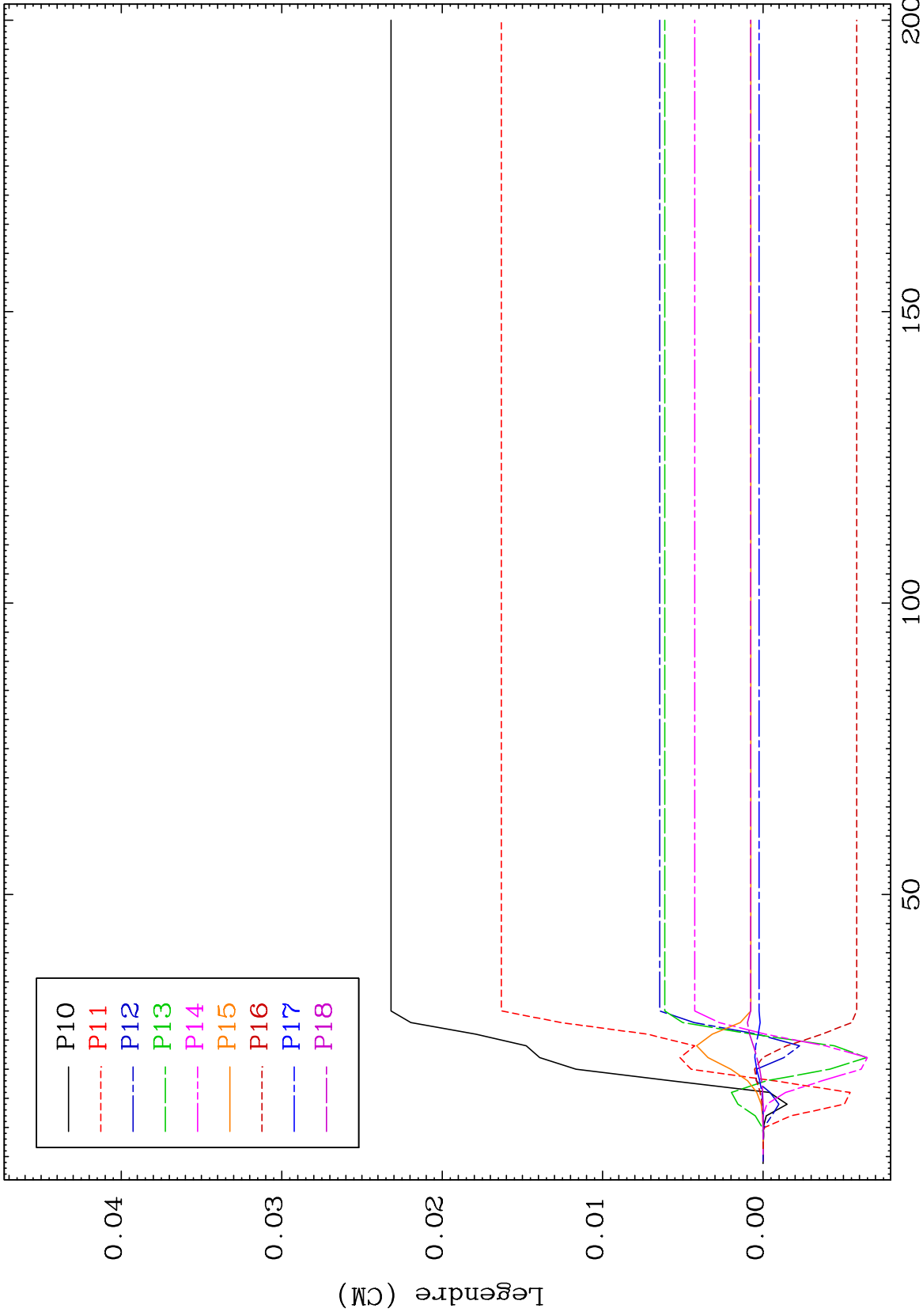


Legendre (CM) Incident Energy (MeV) 50-Sn-134

MAT 5091

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

50-Sn-134



104

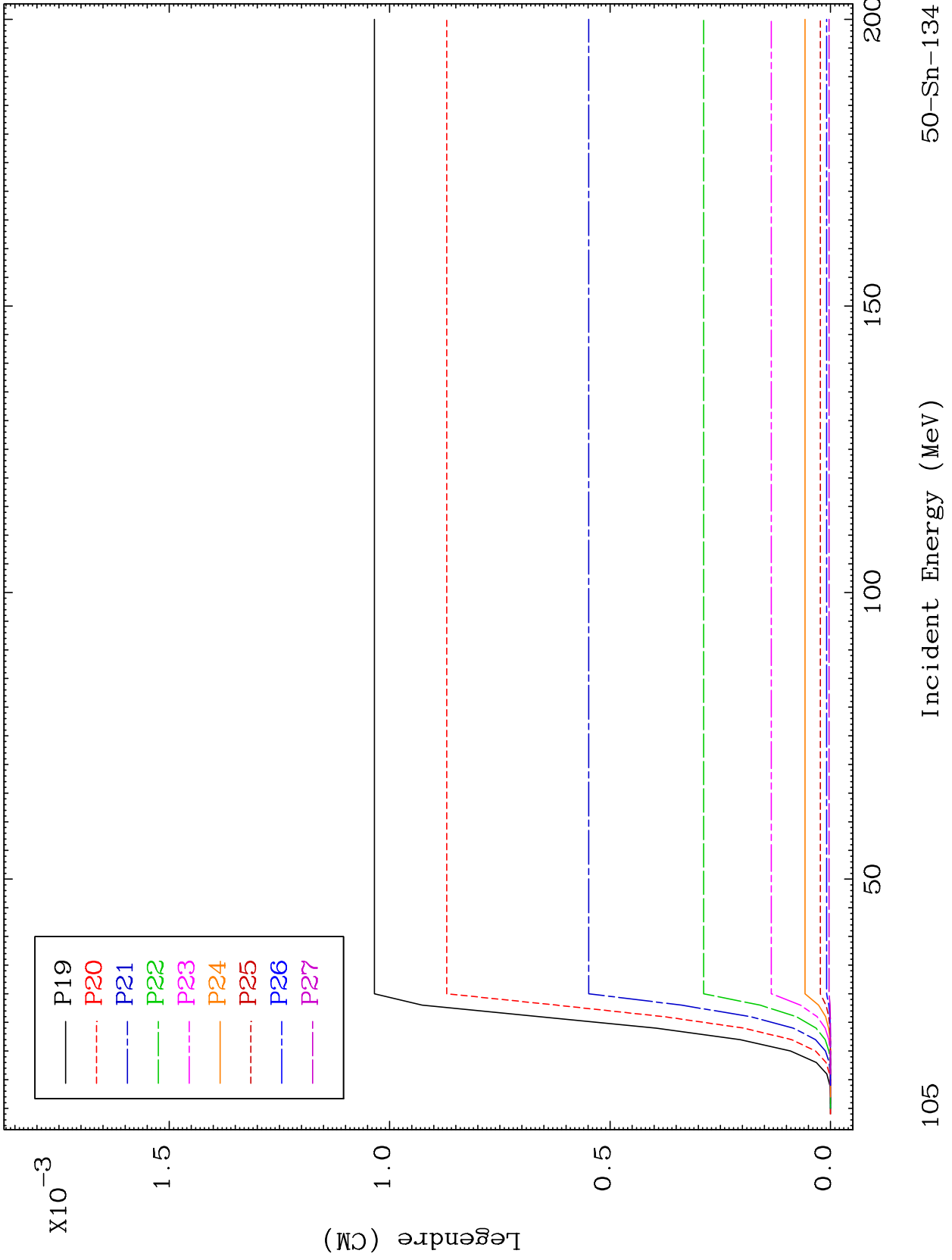
Incident Energy (MeV)

50-Sn-134

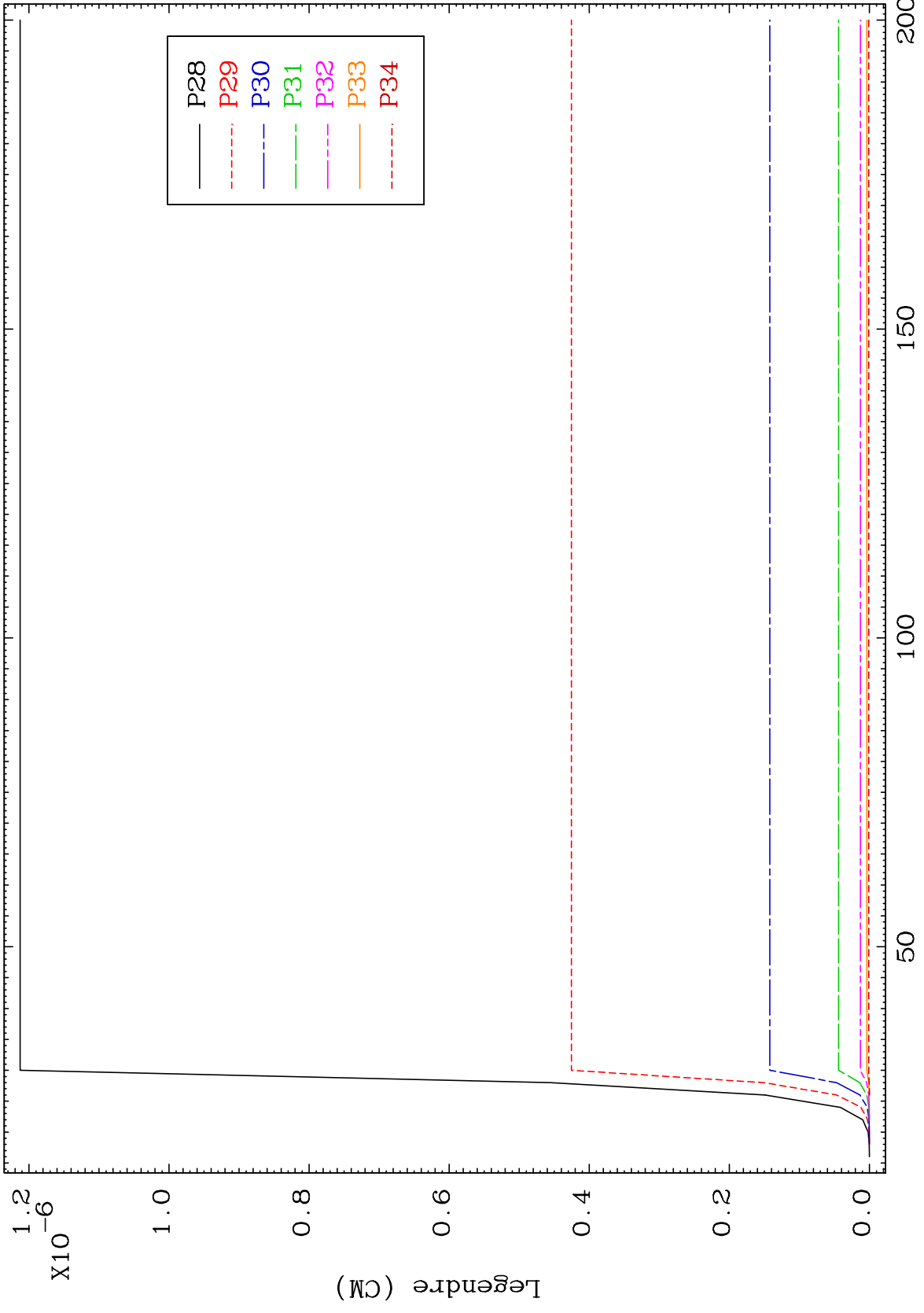
MAT 5091

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

50-Sn-134

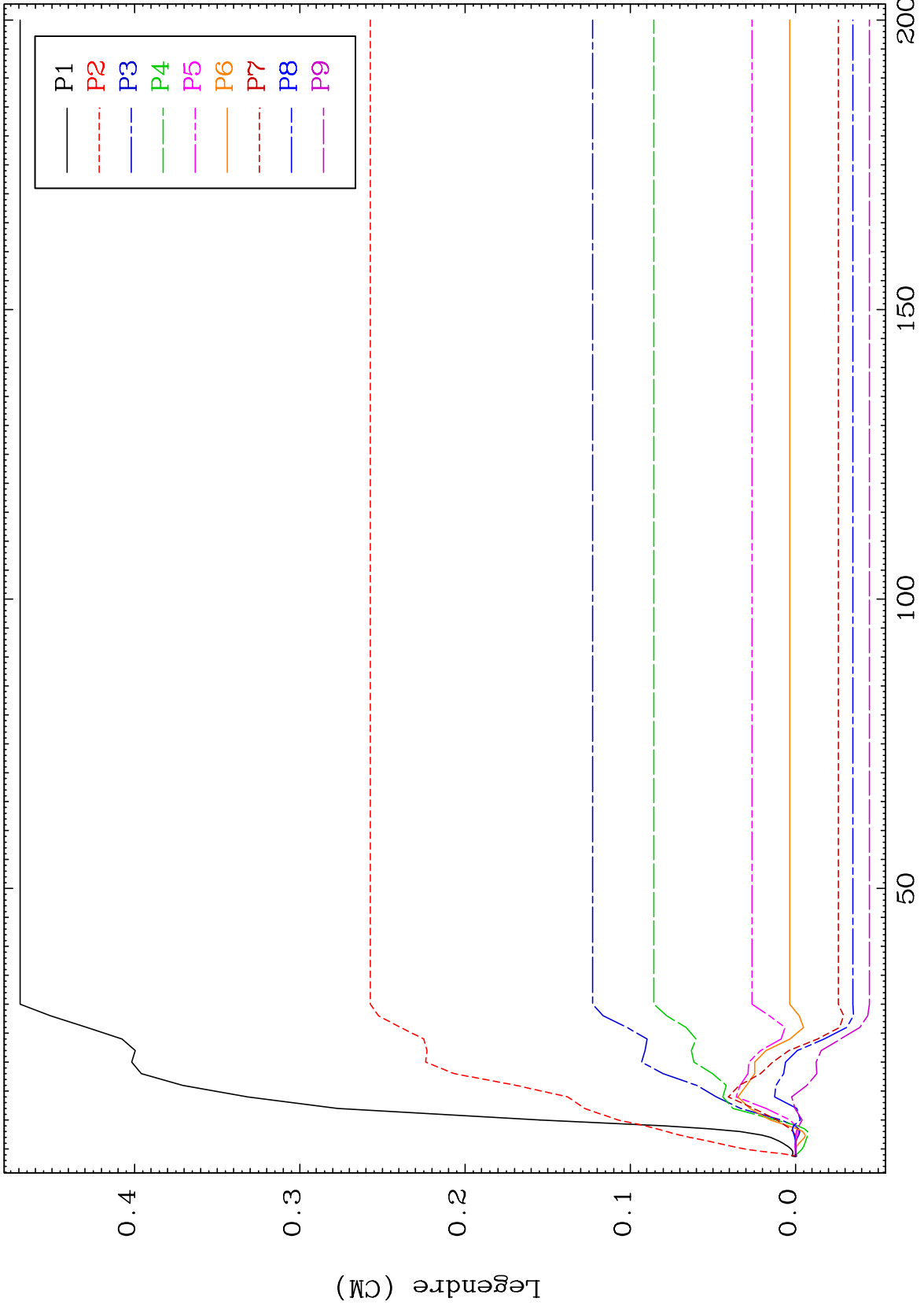


MAT 5091 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-134



106 Incident Energy (MeV) 50-Sn-134

MAT 5091 MT= 76 (n,n') Level Legendre Coefficients 50-Sn-134

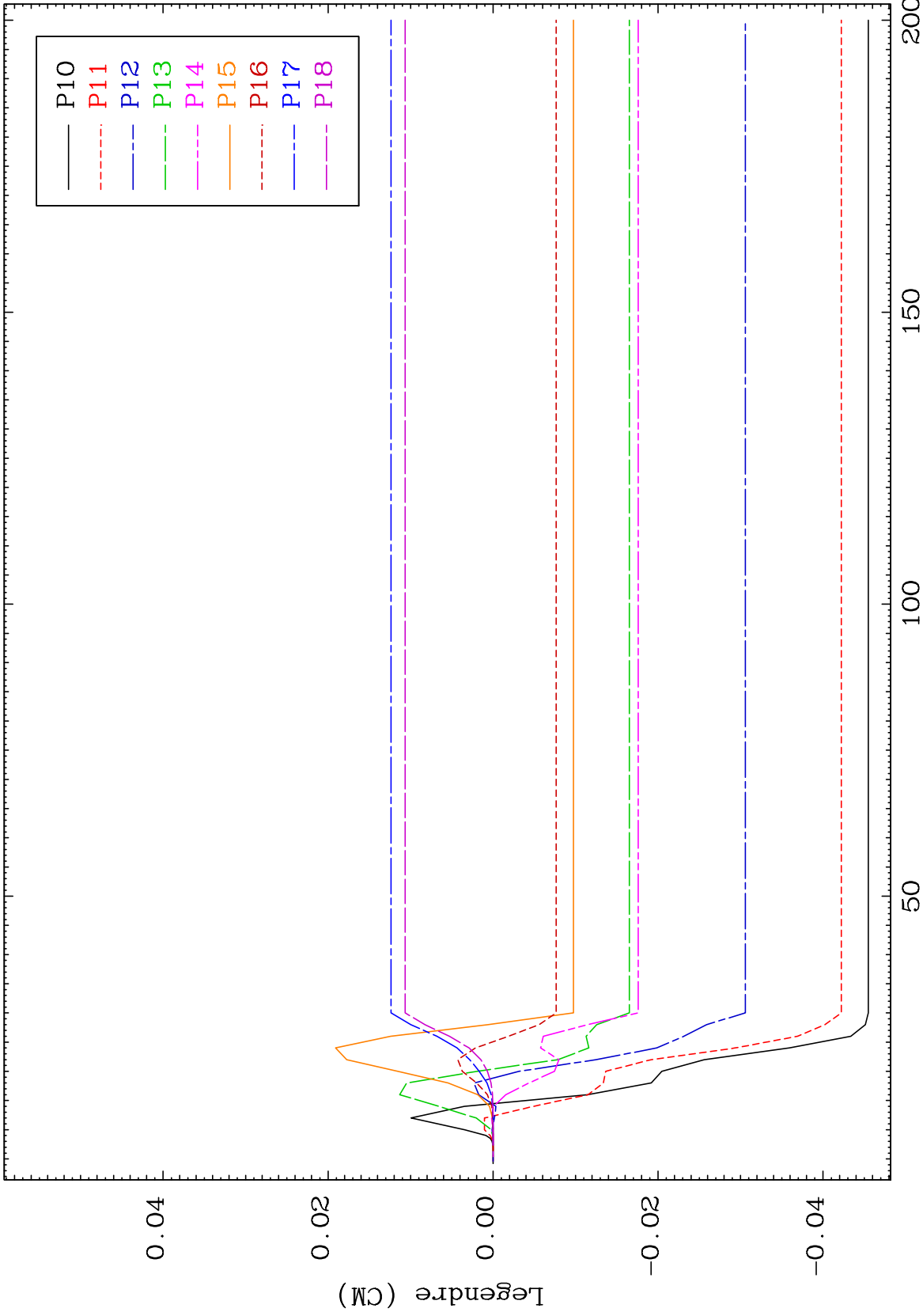


107 50-Sn-134

MAT 5091

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

50-Sn-134

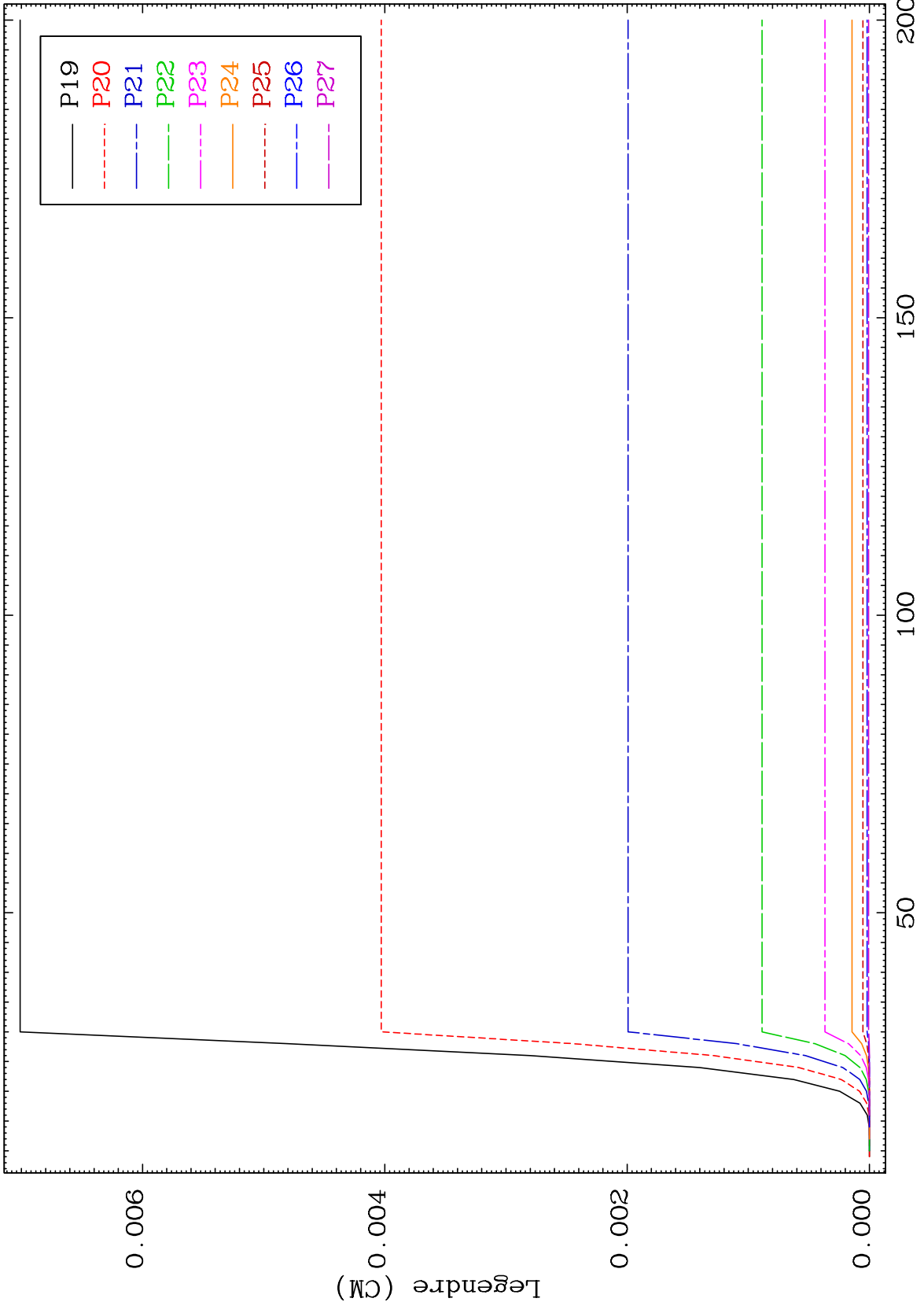


108

Incident Energy (MeV)

50-Sn-134

MAT 5091 MT= 76 (n,n') Level Legendre Coefficients 50-Sn-134

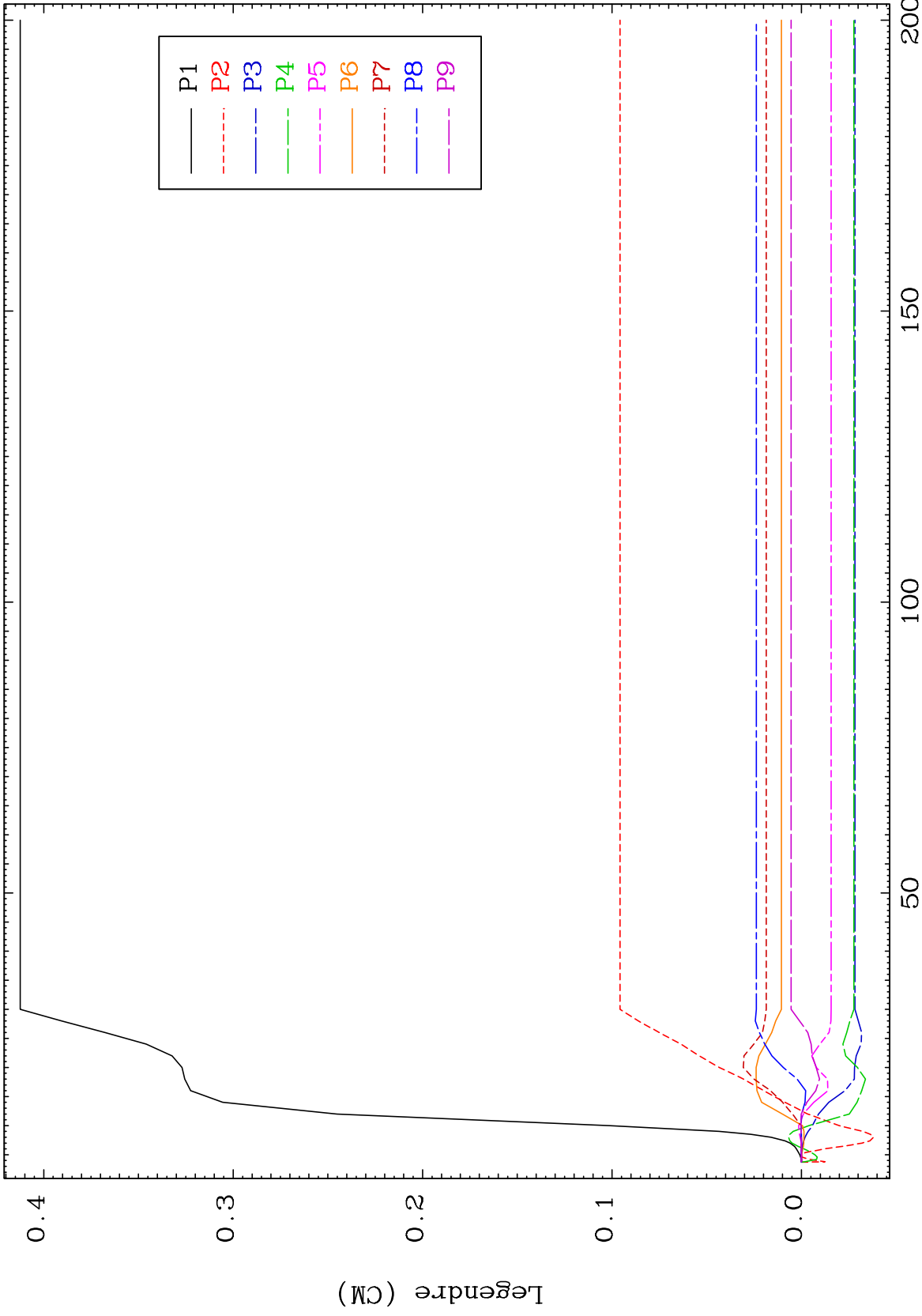


109 50-Sn-134

MAT 5091

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

50-Sn-134



111

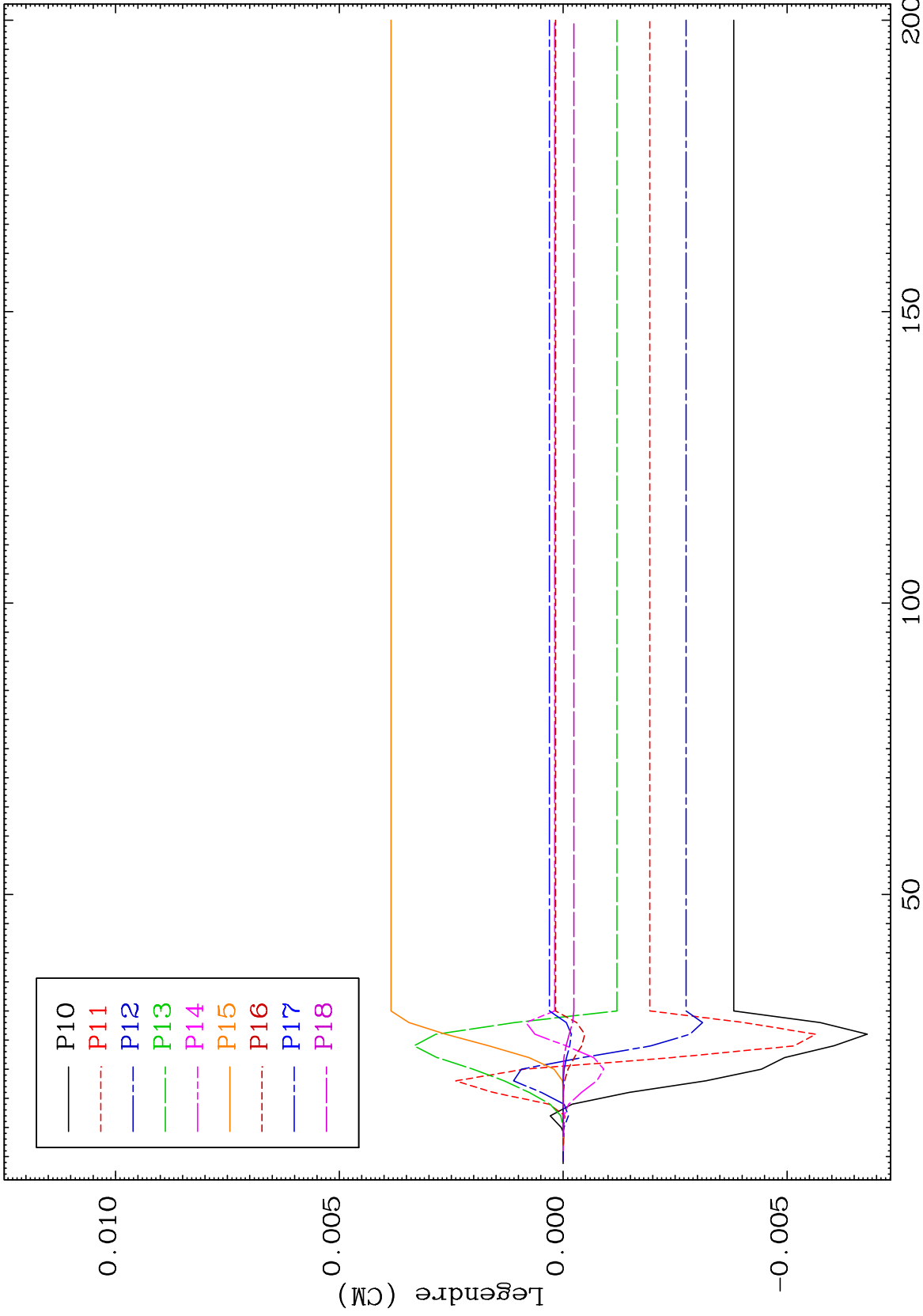
Incident Energy (MeV)

50-Sn-134

MAT 5091

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

50-Sn-134

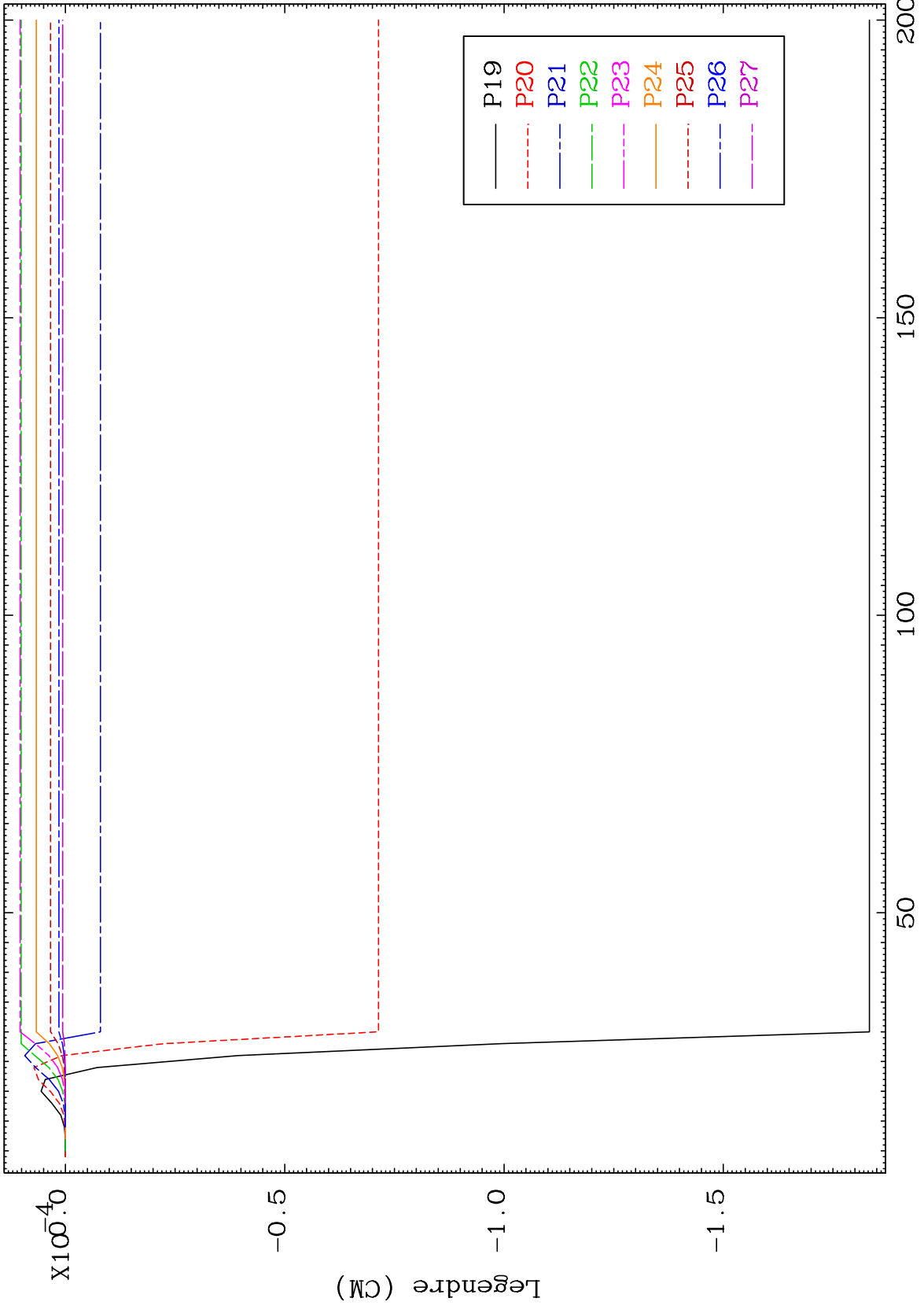


112

50-Sn-134

Incident Energy (MeV)

MAT 5091 MT= 77 (n,n') Level Legendre Coefficients 50-Sn-134

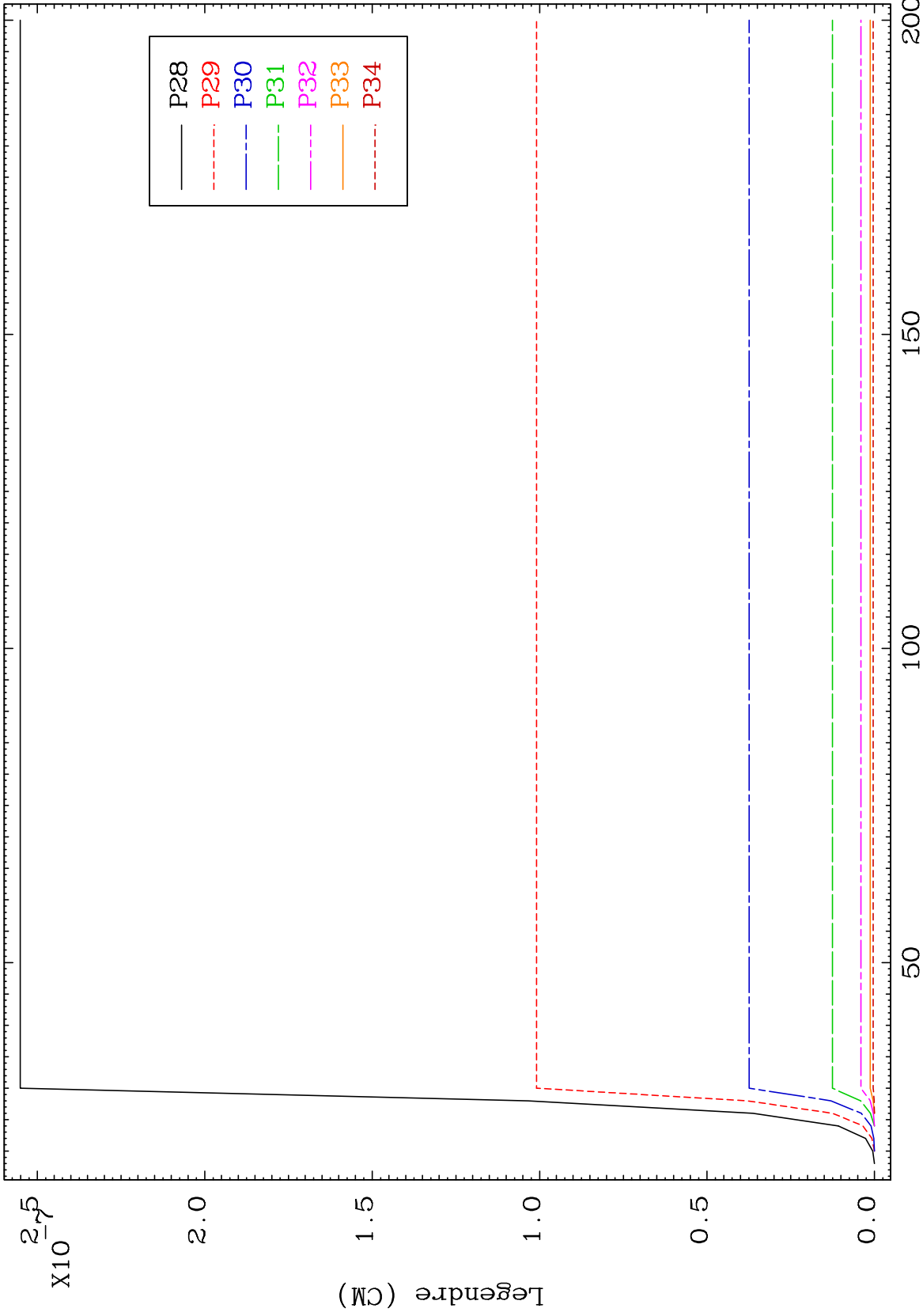


113 50-Sn-134 Incident Energy (MeV)

MAT 5091

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

50-Sn-134



114

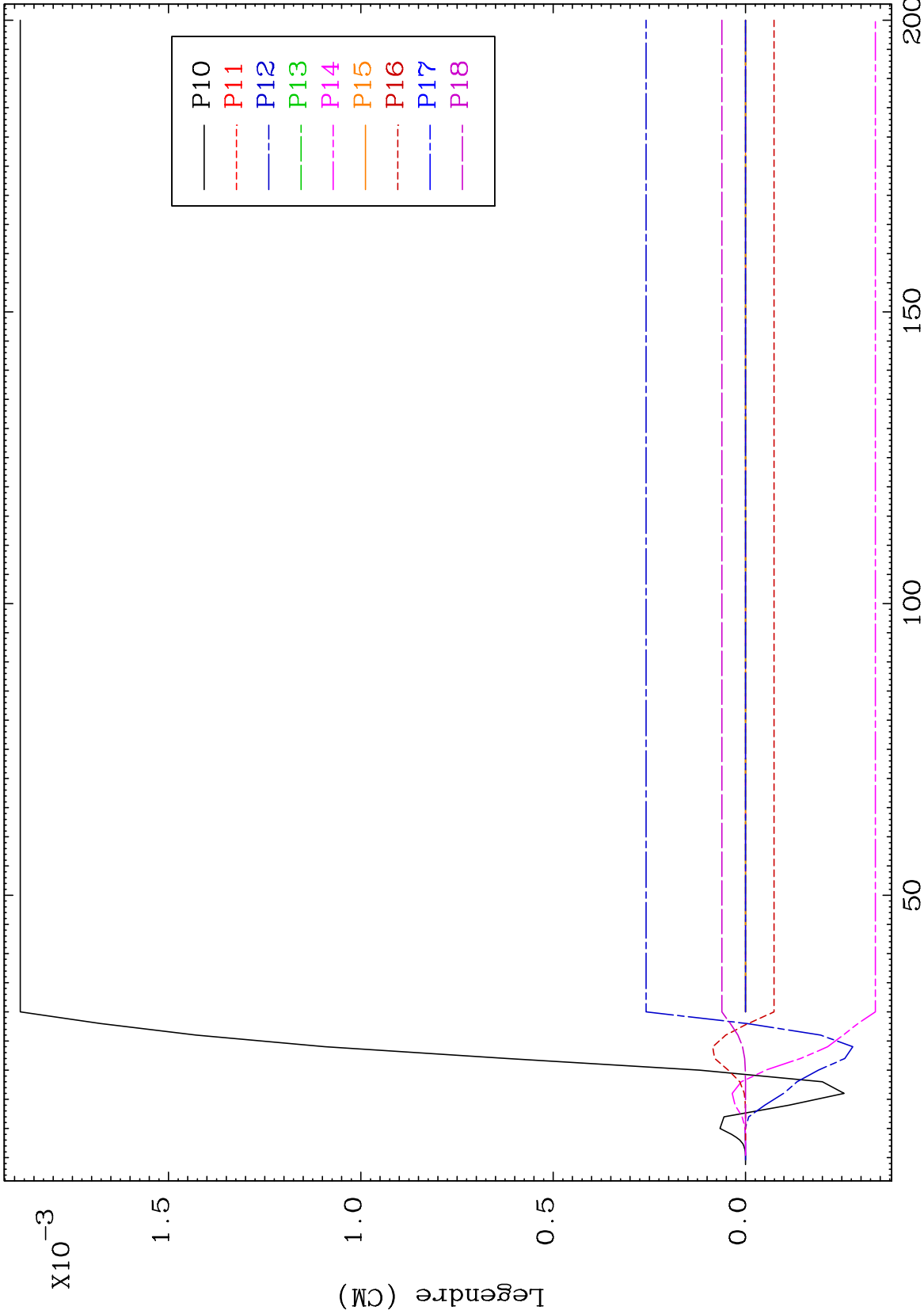
Incident Energy (MeV)

50-Sn-134

MAT 5091

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

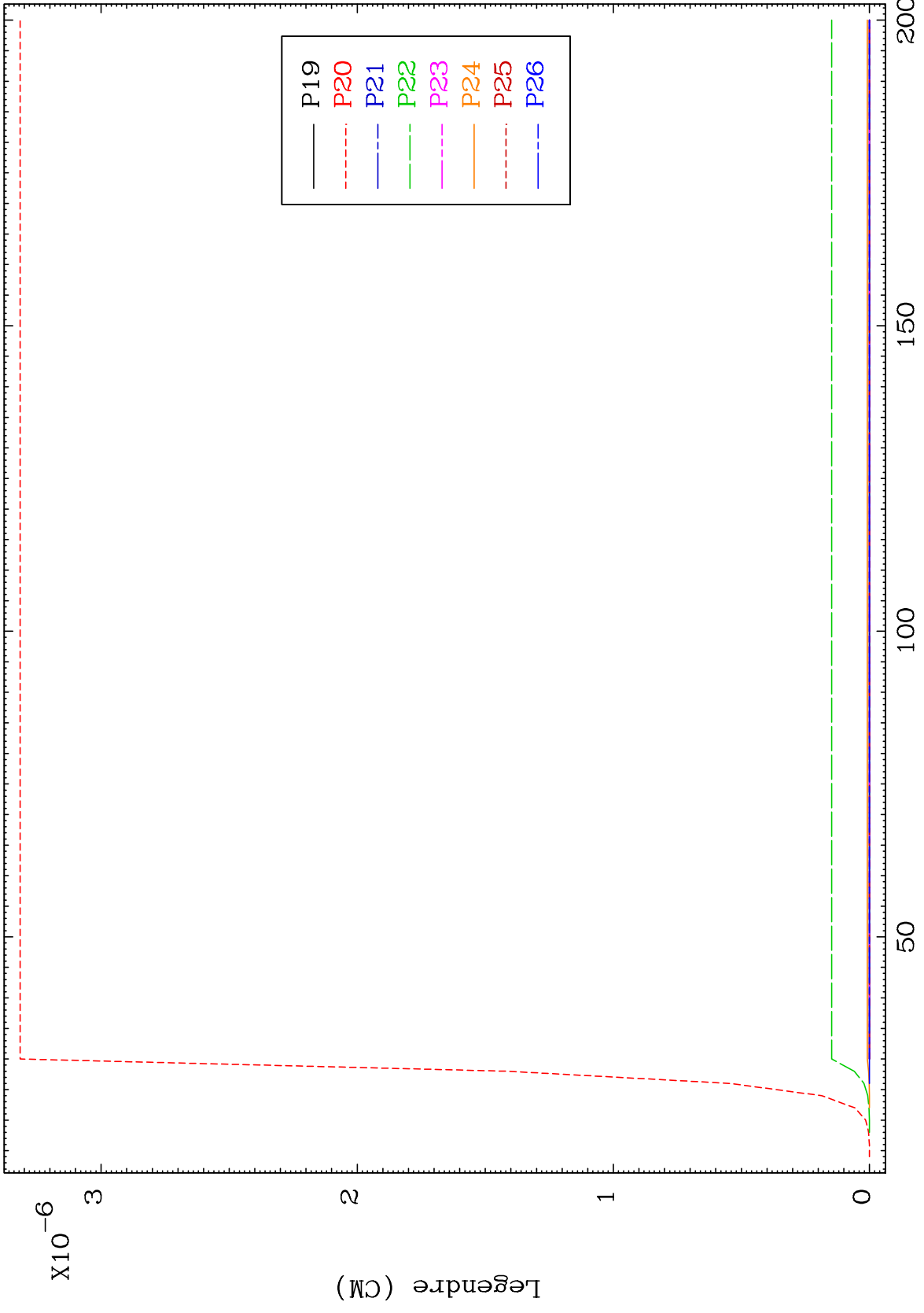
50-Sn-134



116

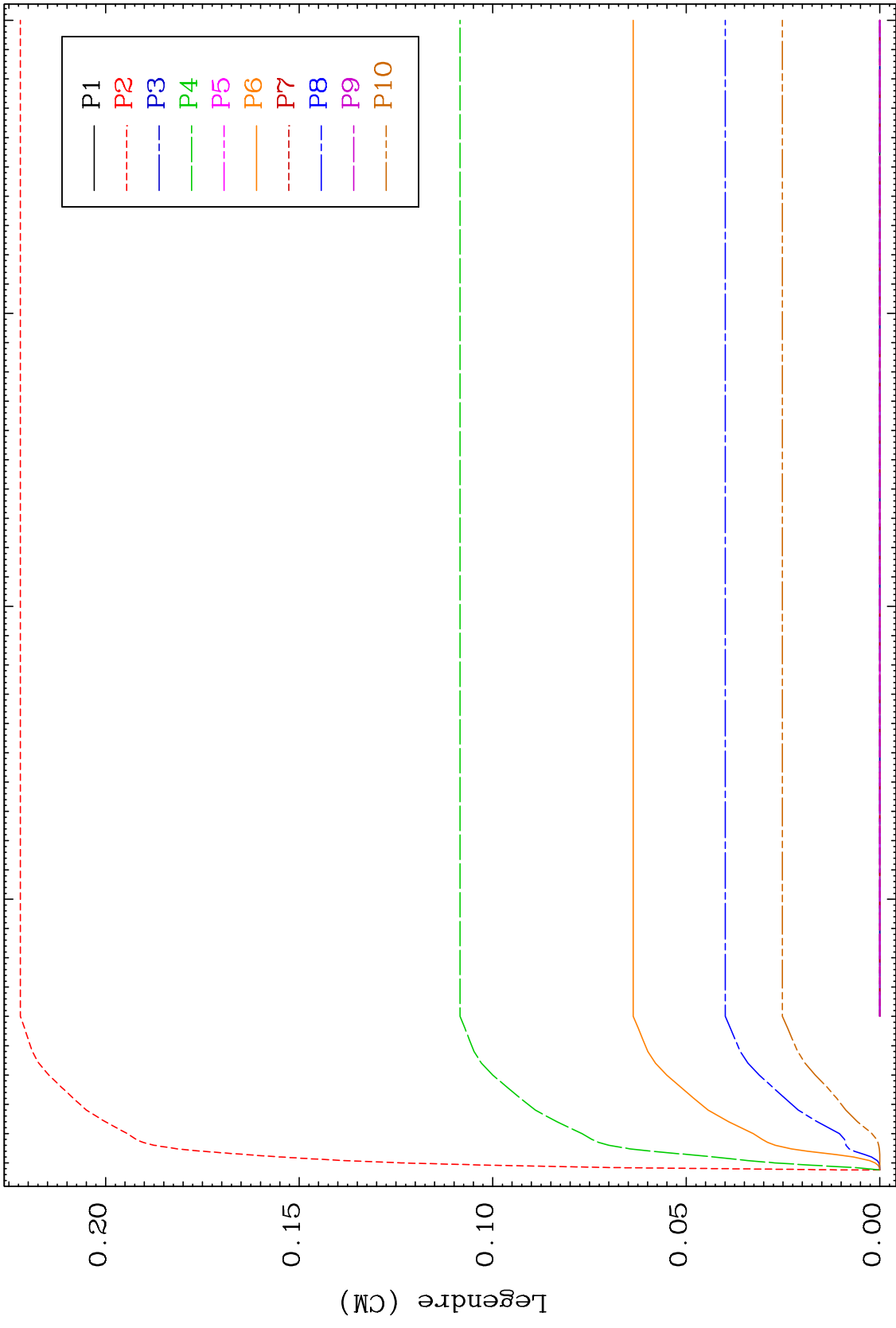
50-Sn-134

MAT 5091 MT= 78 (n,n') Level Legendre Coefficients 50-Sn-134



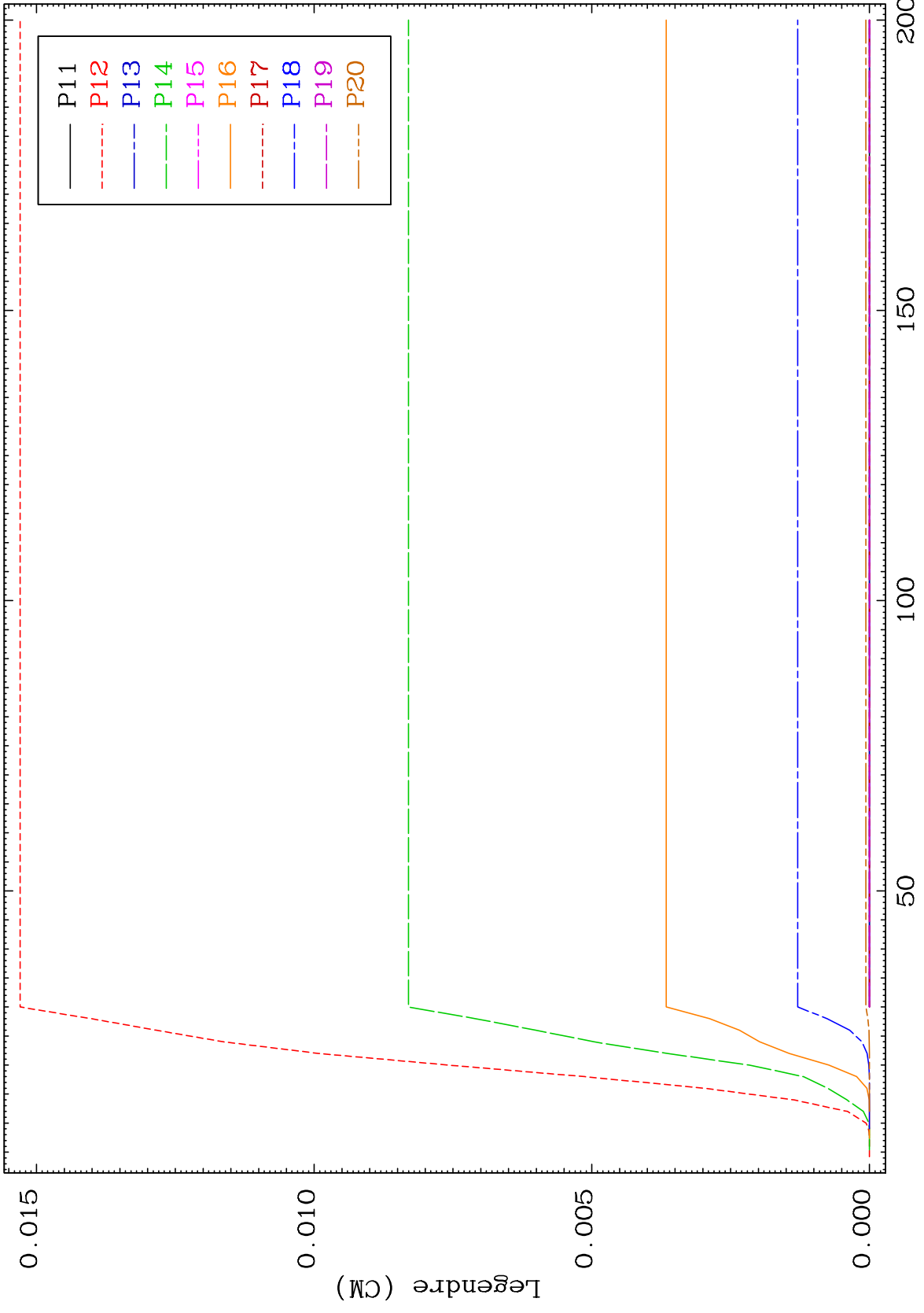
117 50-Sn-134

MAT 5091 MT= 79 (n,n') Level Legendre Coefficients 50-Sn-134

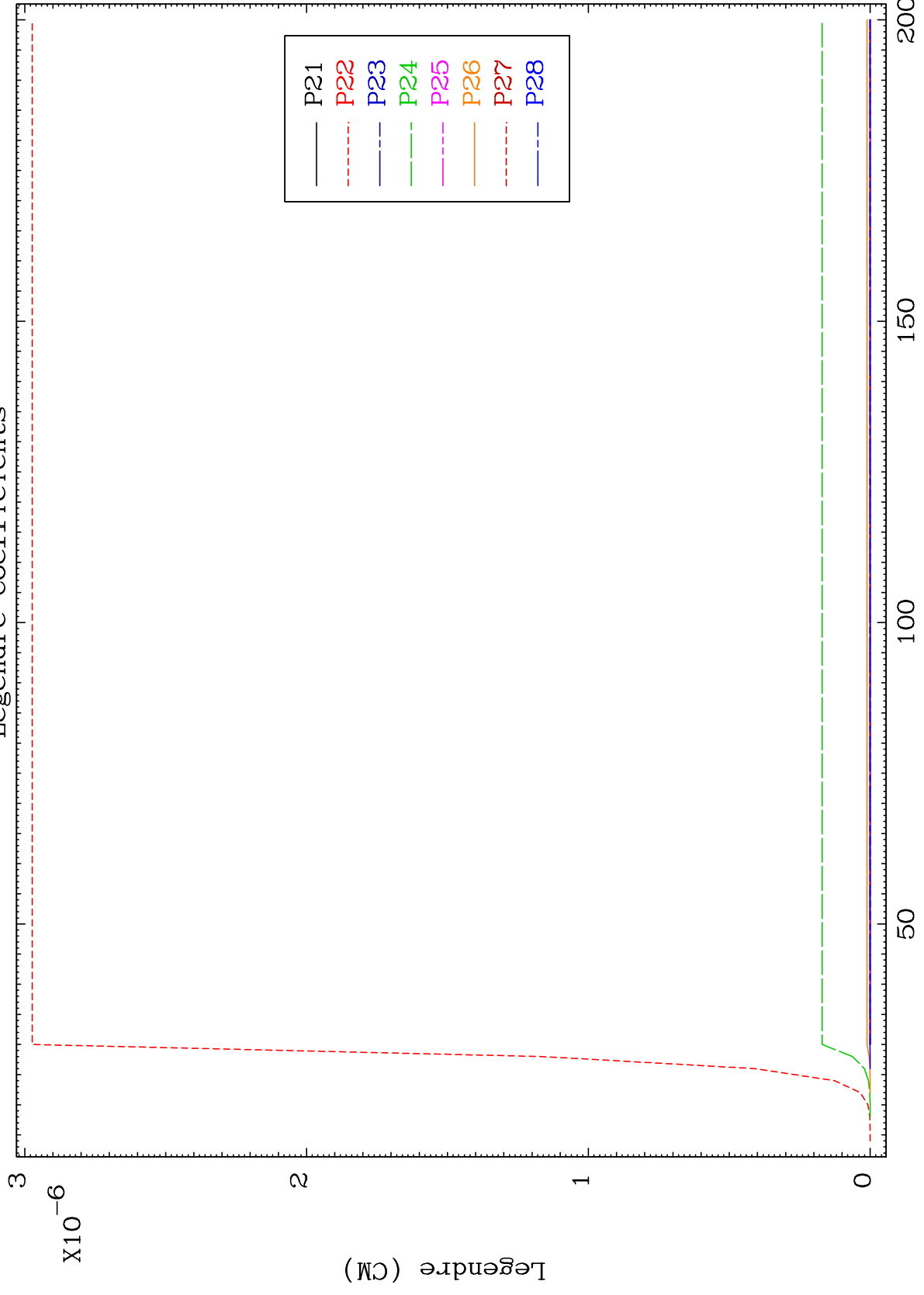


118 50-Sn-134

MAT 5091 MT= 79 (n,n') Level Legendre Coefficients 50-Sn-134

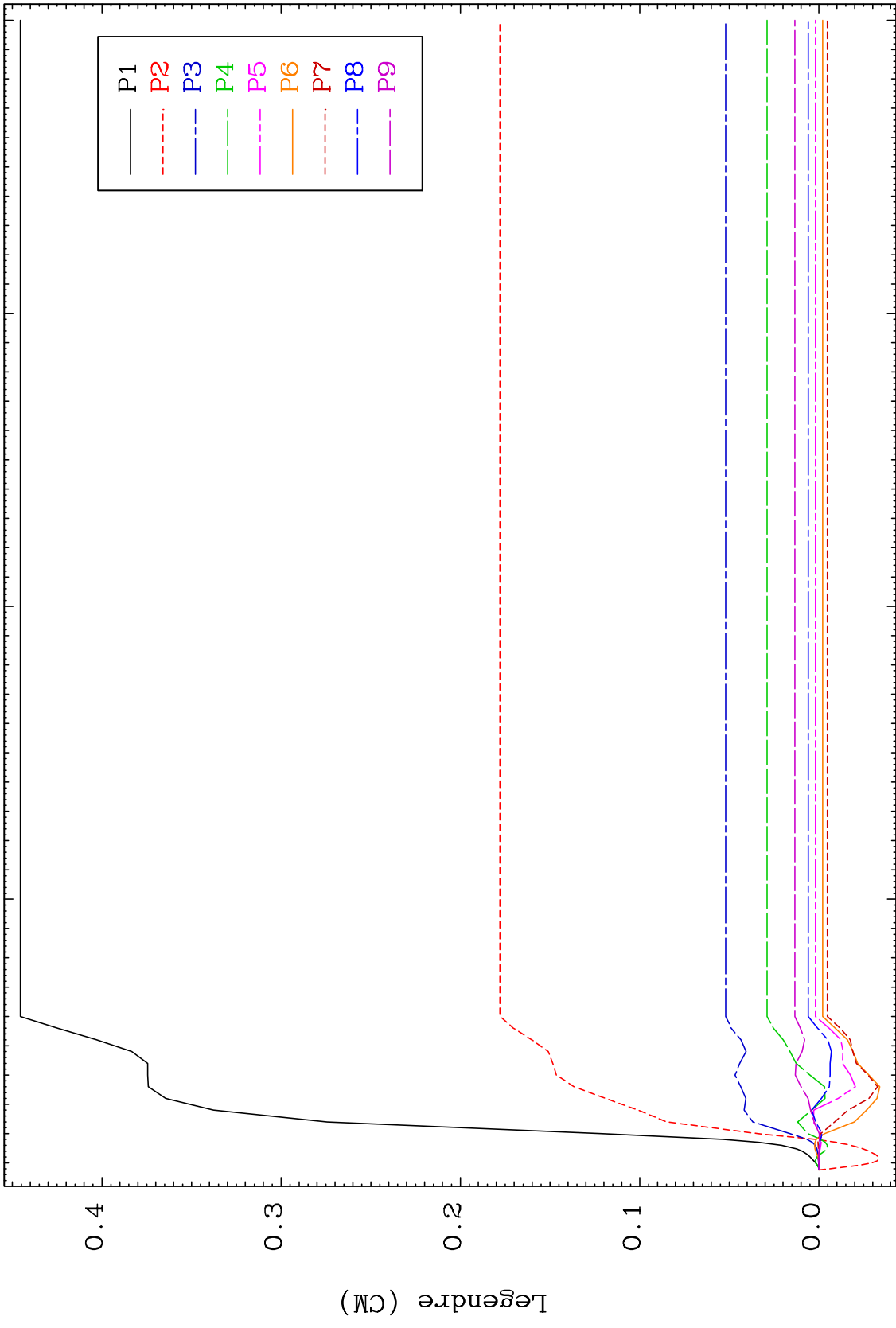


MAT 5091 MT= 79 (n,n') Level Legendre Coefficients 50-Sn-134



50-Sn-134

MAT 5091 MT= 80 (n,n') Level Legendre Coefficients 50-Sn-134

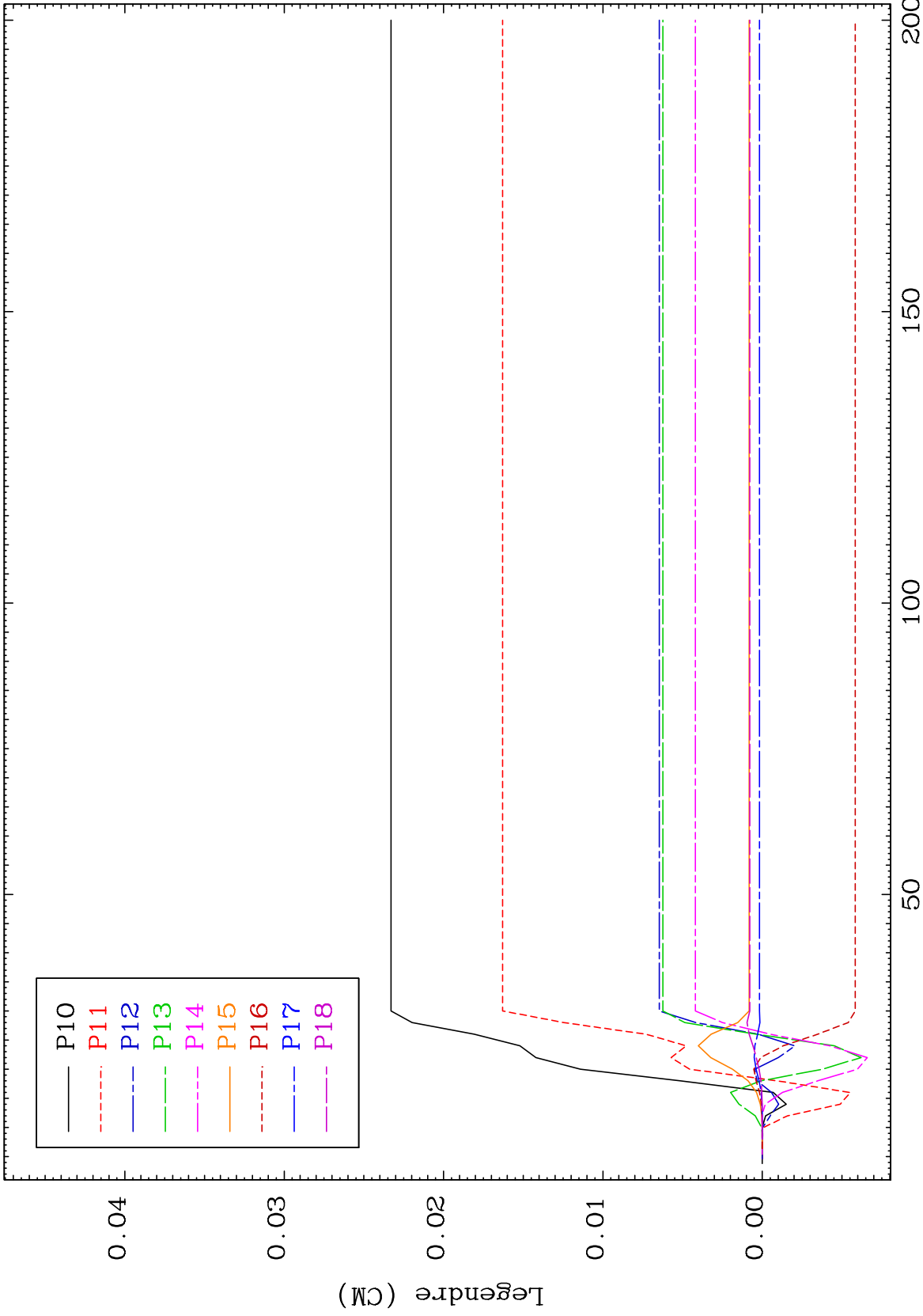


121 50-Sn-134

MAT 5091

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

50-Sn-134



122

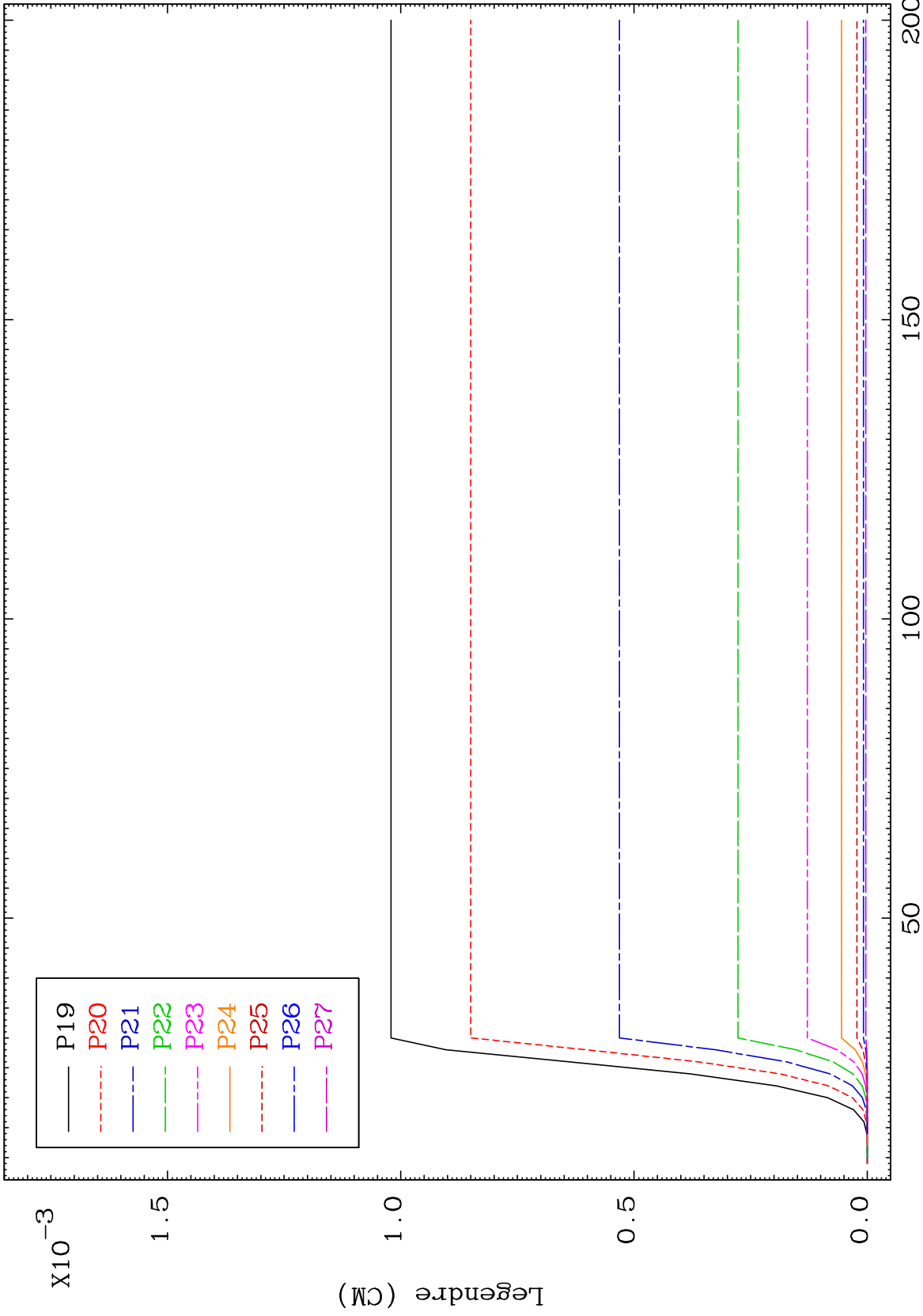
Incident Energy (MeV)

50-Sn-134

MAT 5091

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

50-Sn-134

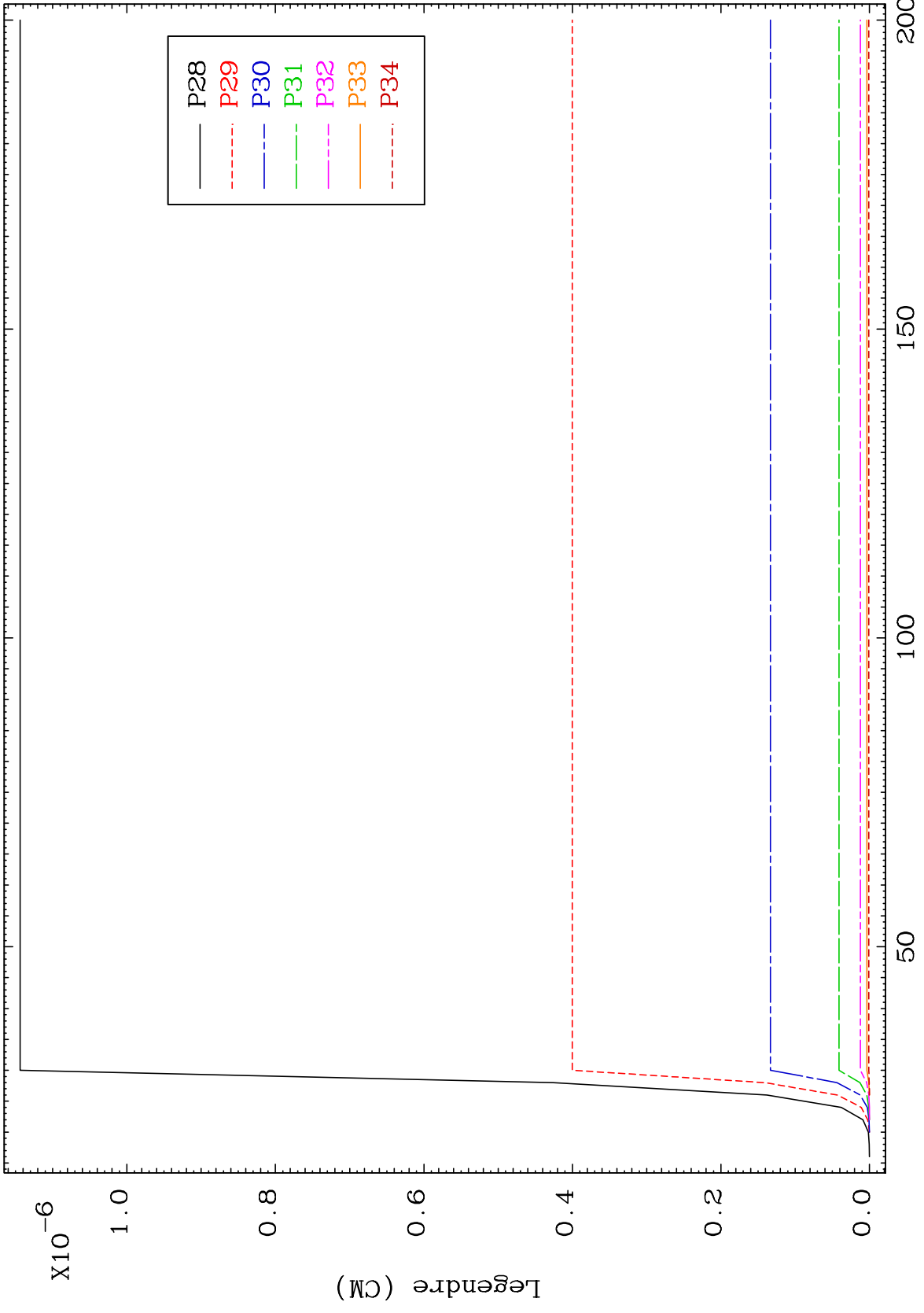


123

Incident Energy (MeV)

50-Sn-134

MAT 5091 MT= 80 (n,n') Level Legendre Coefficients 50-Sn-134



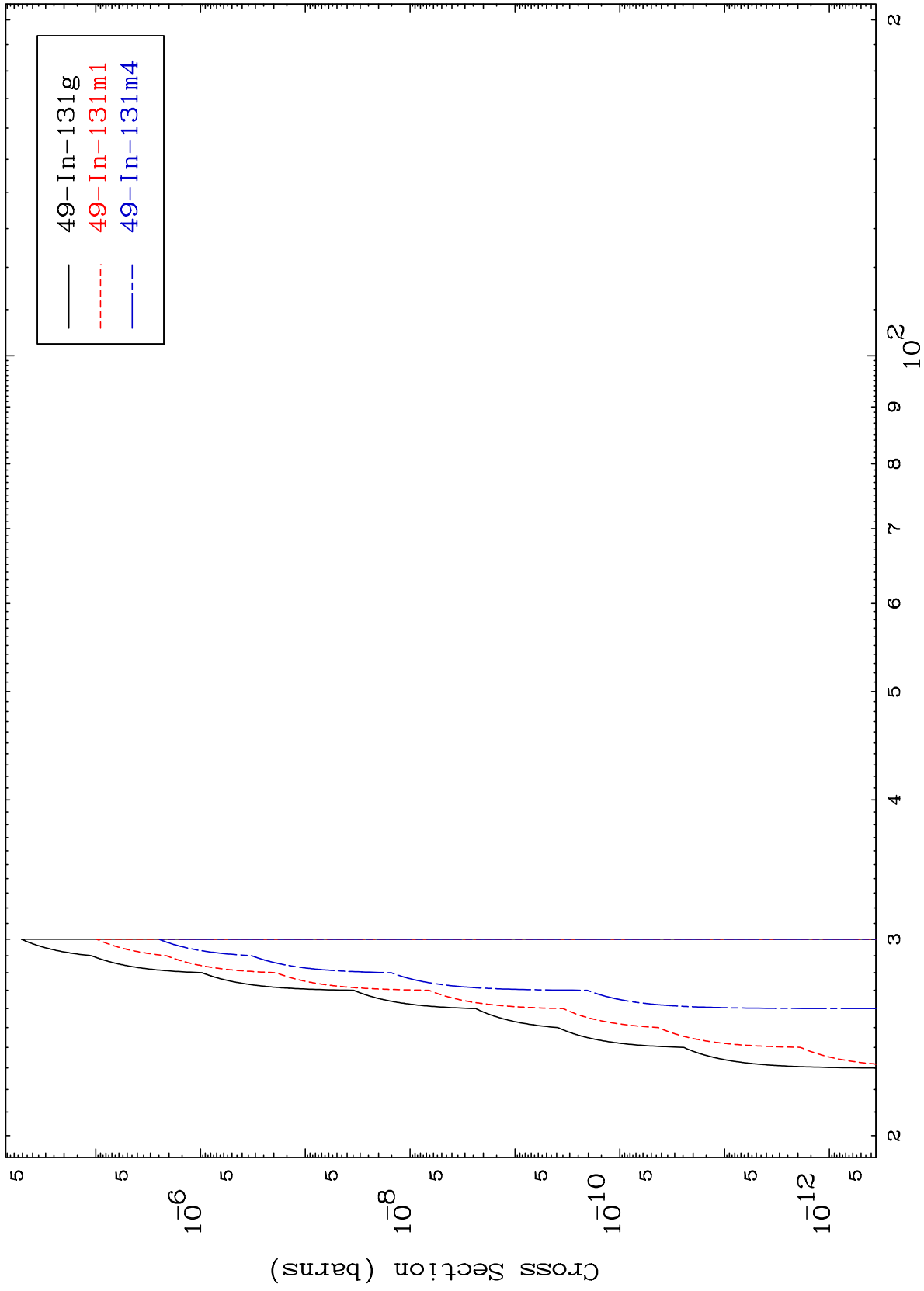
124 50-Sn-134

MAT 5091

(n,2n) d

50-Sn-134

Radionuclide Production Cross Section



125

Incident Energy (MeV)

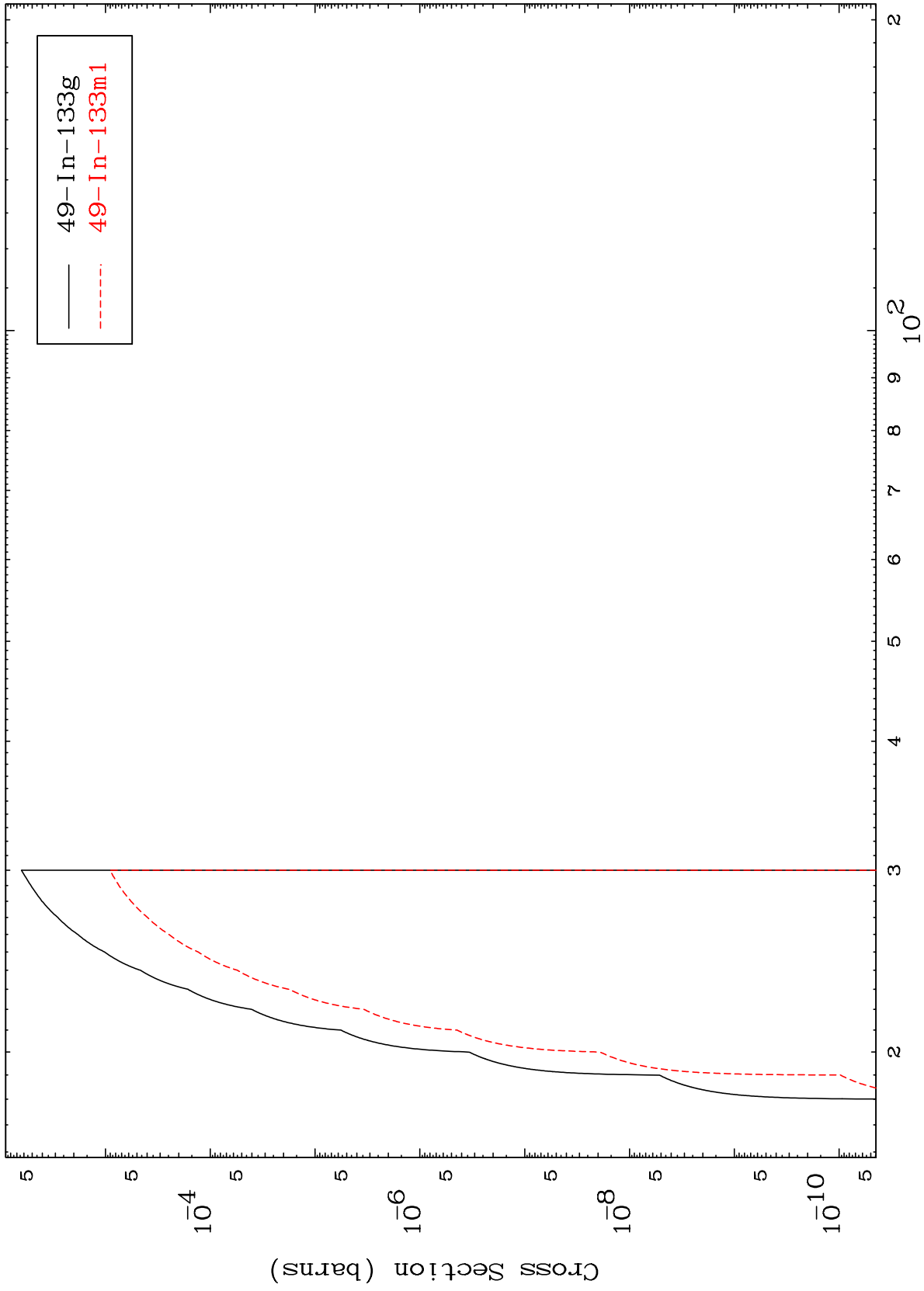
50-Sn-134

MAT 5091

(n,n') p

50-Sn-134

Radionuclide Production Cross Section



126

Incident Energy (MeV)

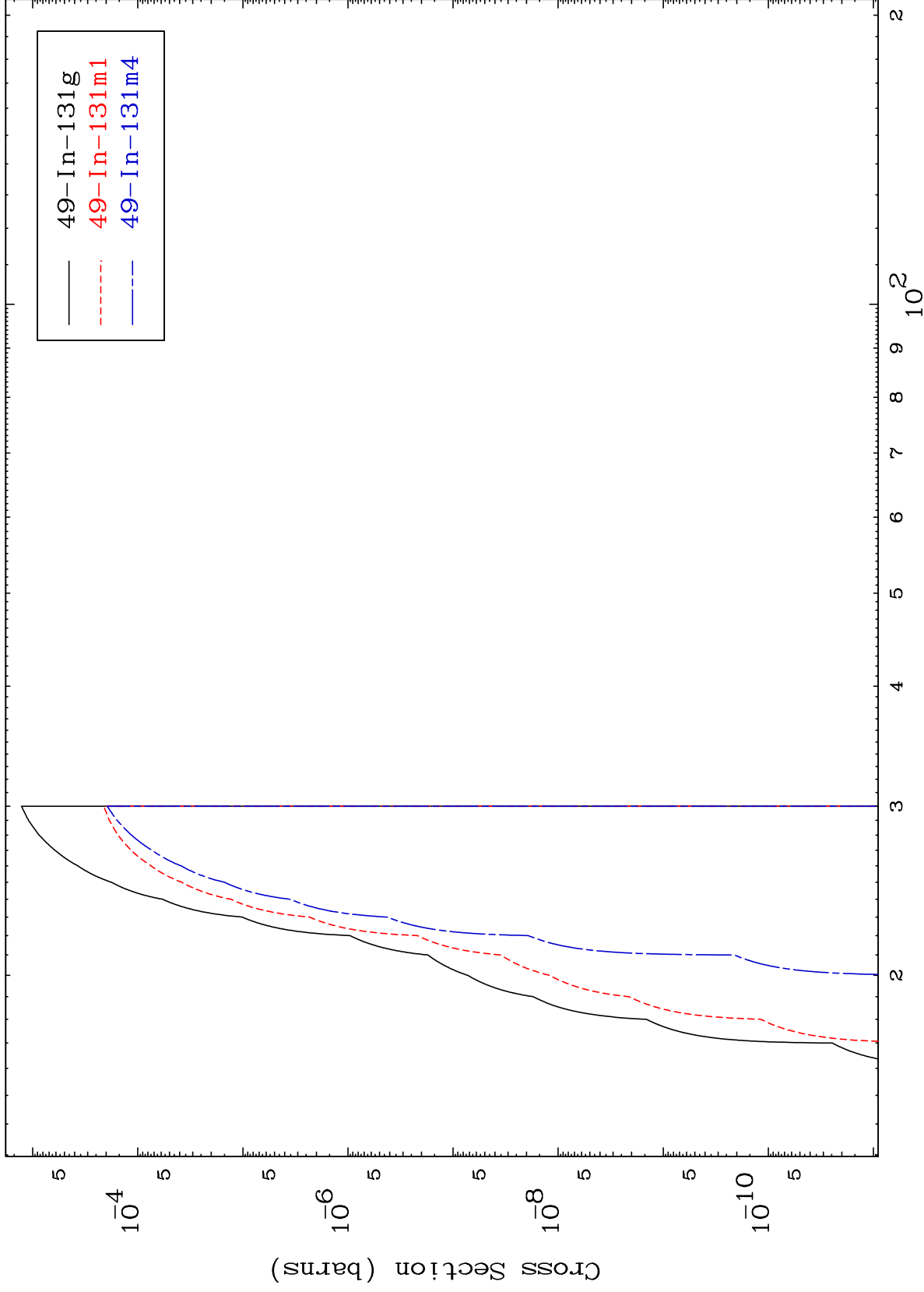
50-Sn-134

MAT 5091

(n,n') t

50-Sn-134

Radionuclide Production Cross Section



127

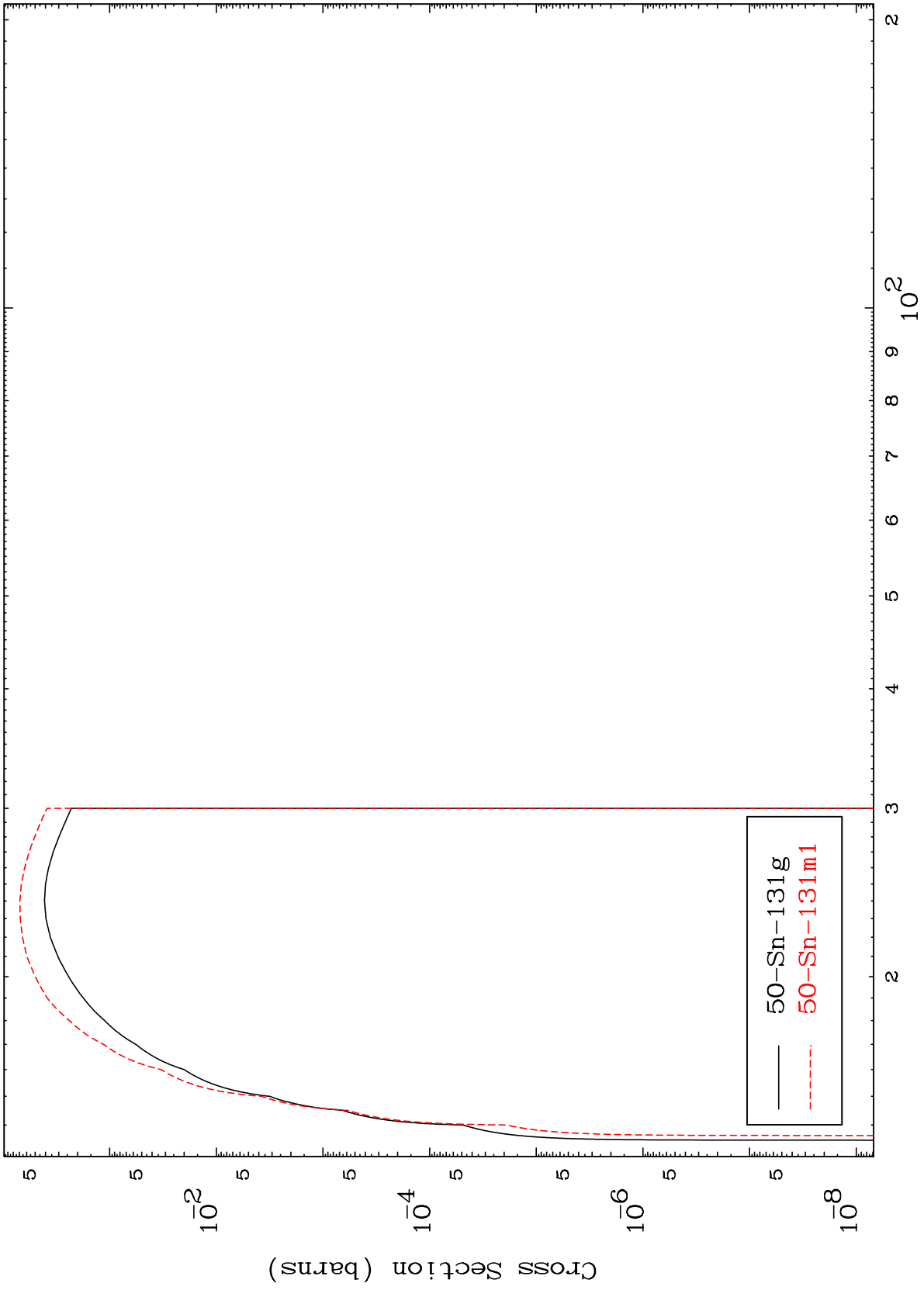
Incident Energy (MeV)

50-Sn-134

MAT 5091

50-Sn-134

(n,4n)
Radionuclide Production Cross Section



128

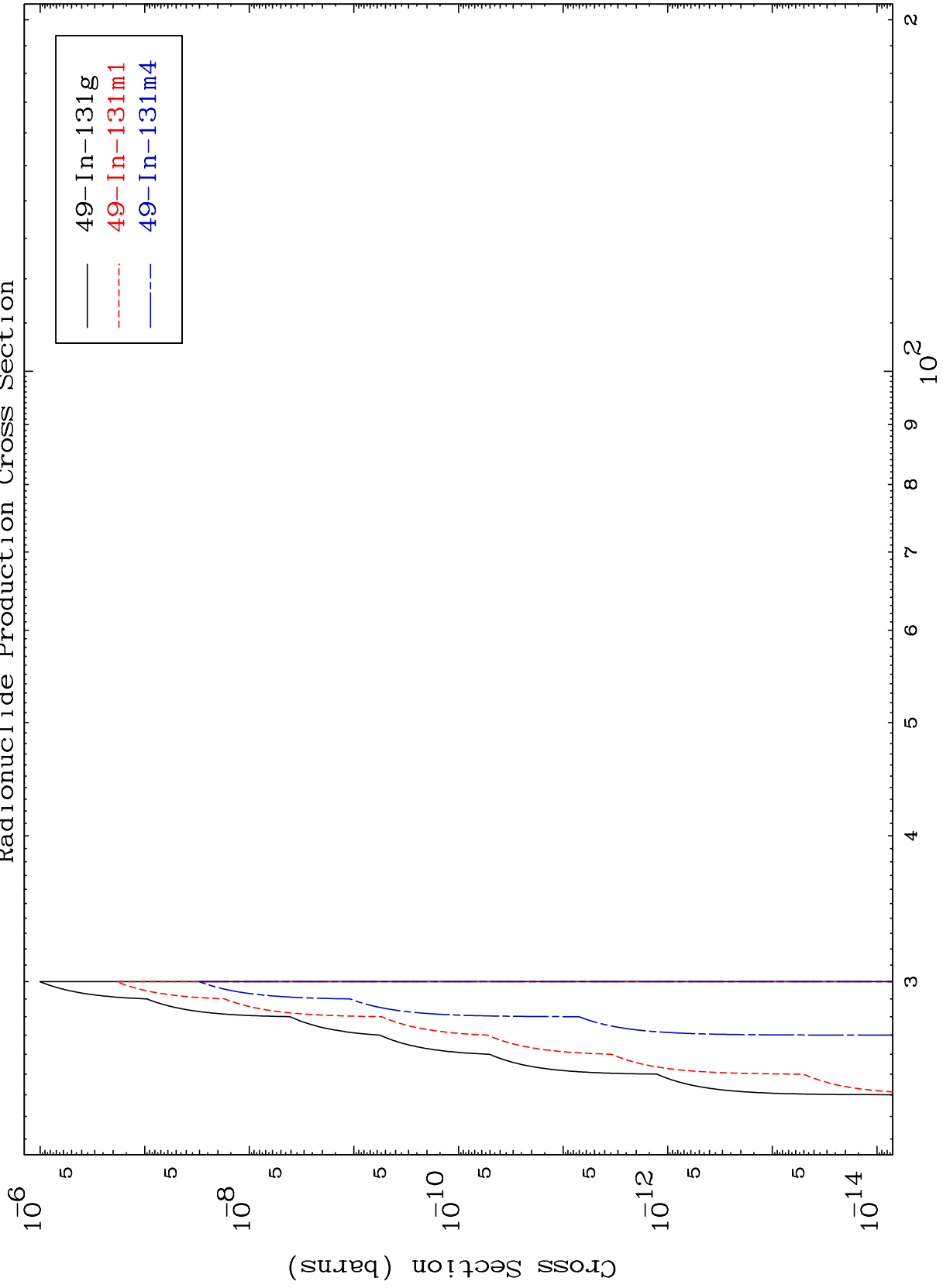
50-Sn-134

MAT 5091

(n,3n) p

50-Sn-134

Radionuclide Production Cross Section



129

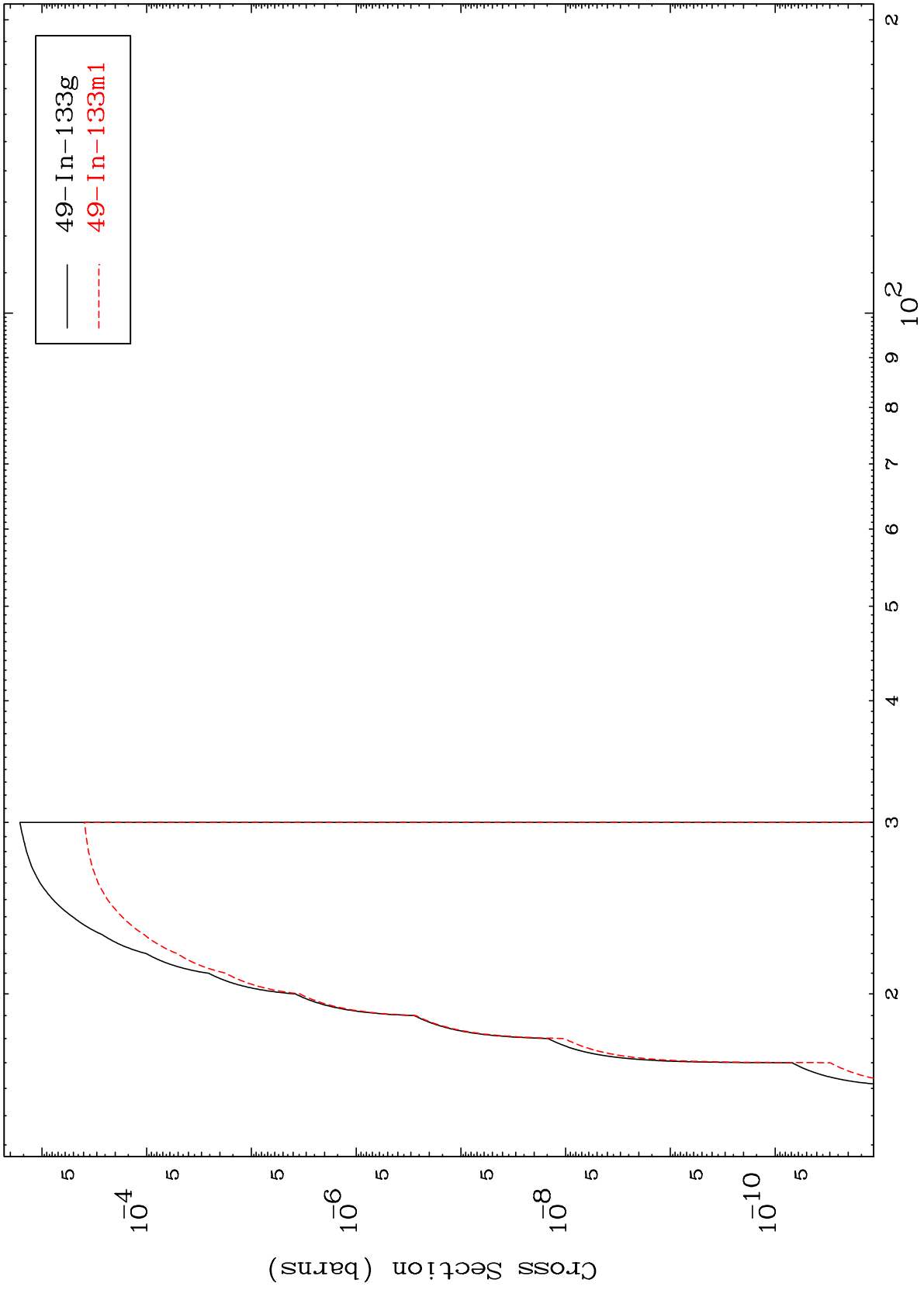
Incident Energy (MeV)

50-Sn-134

MAT 5091

50-Sn-134

(n,d)
Radionuclide Production Cross Section



130

50-Sn-134