

Program EVALPLOT
(Version 2018-1)

by

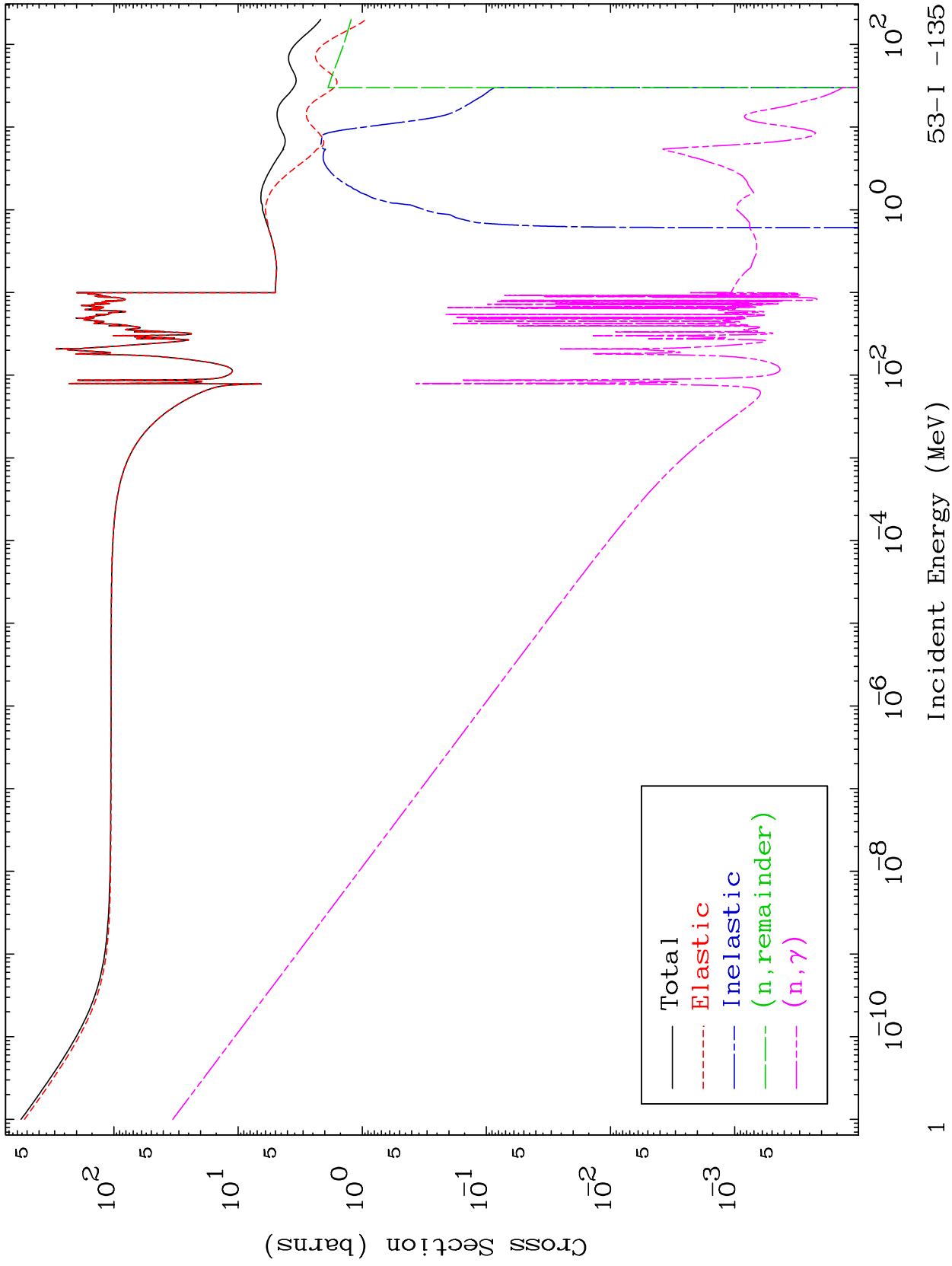
Dermott E. Cullen
(Present Contact Information)

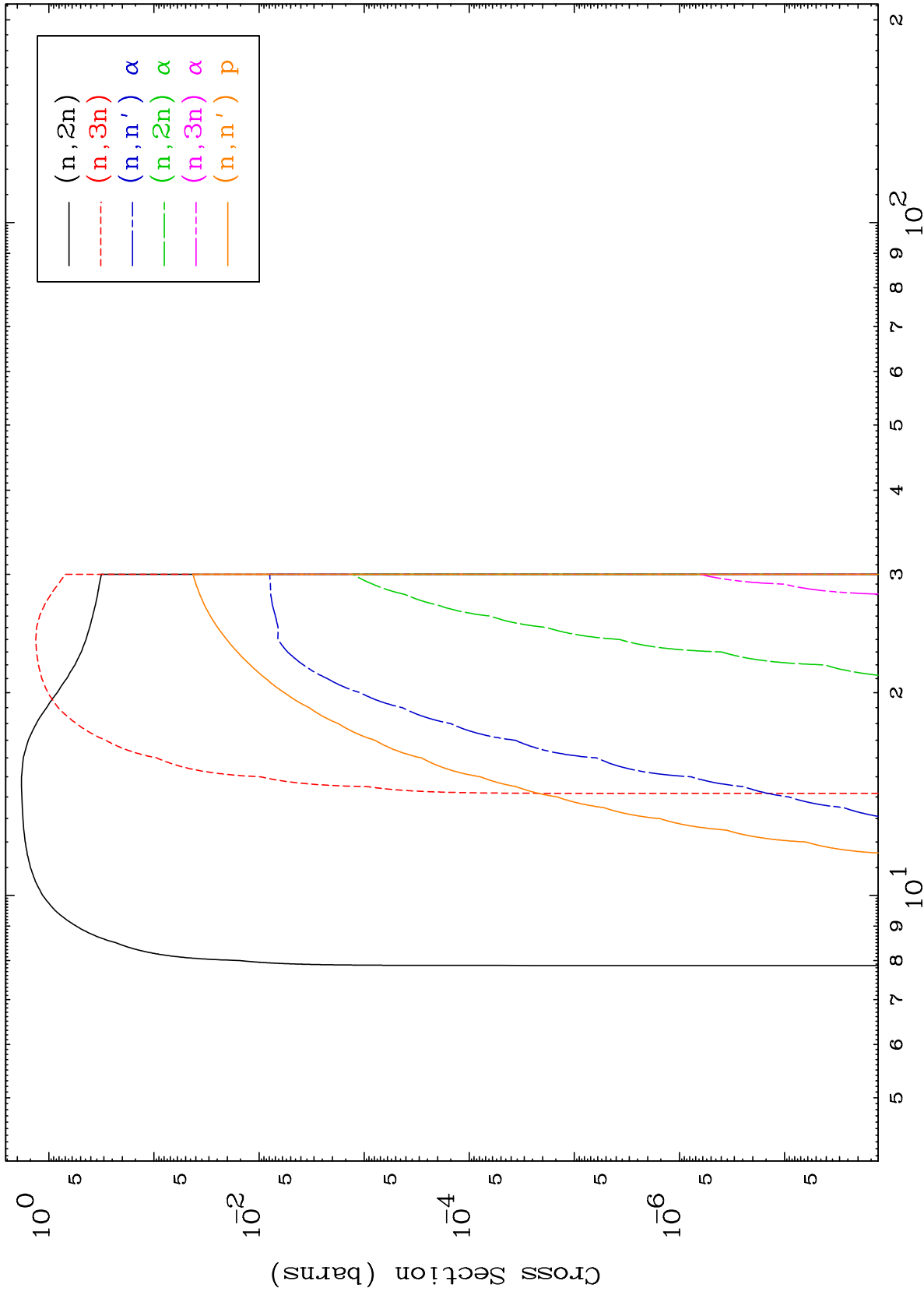
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

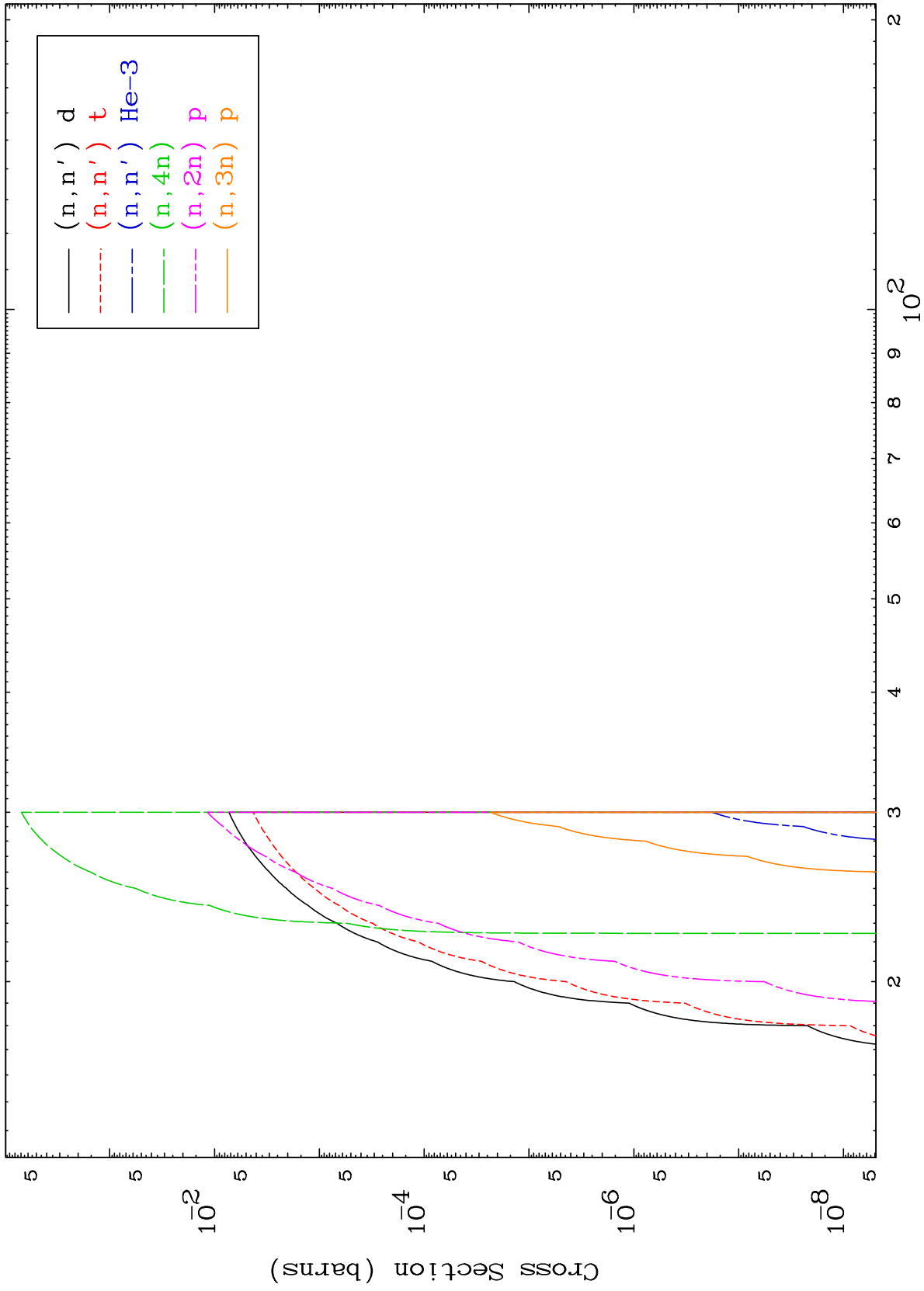
Tele: 925-443-1911

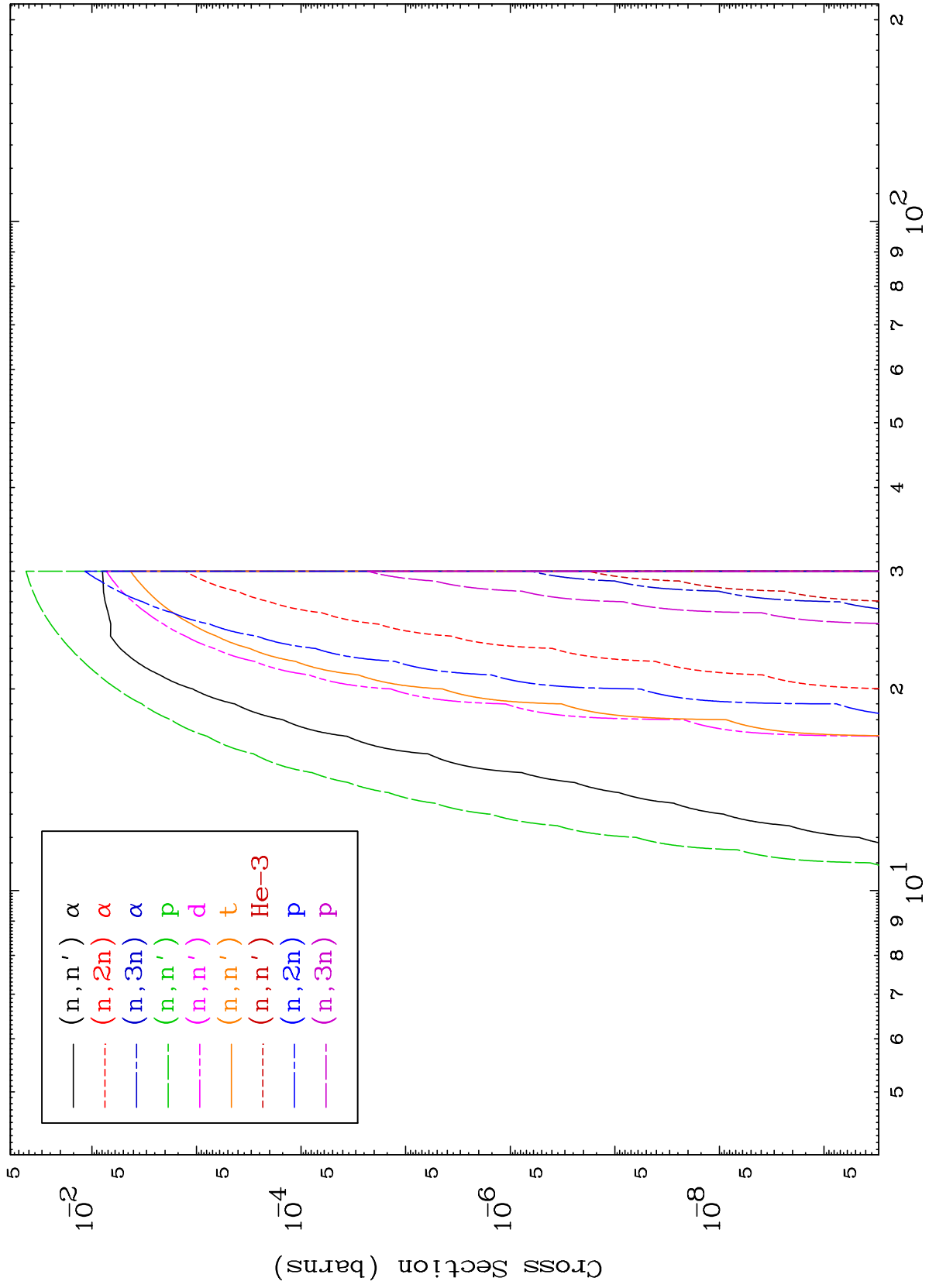
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

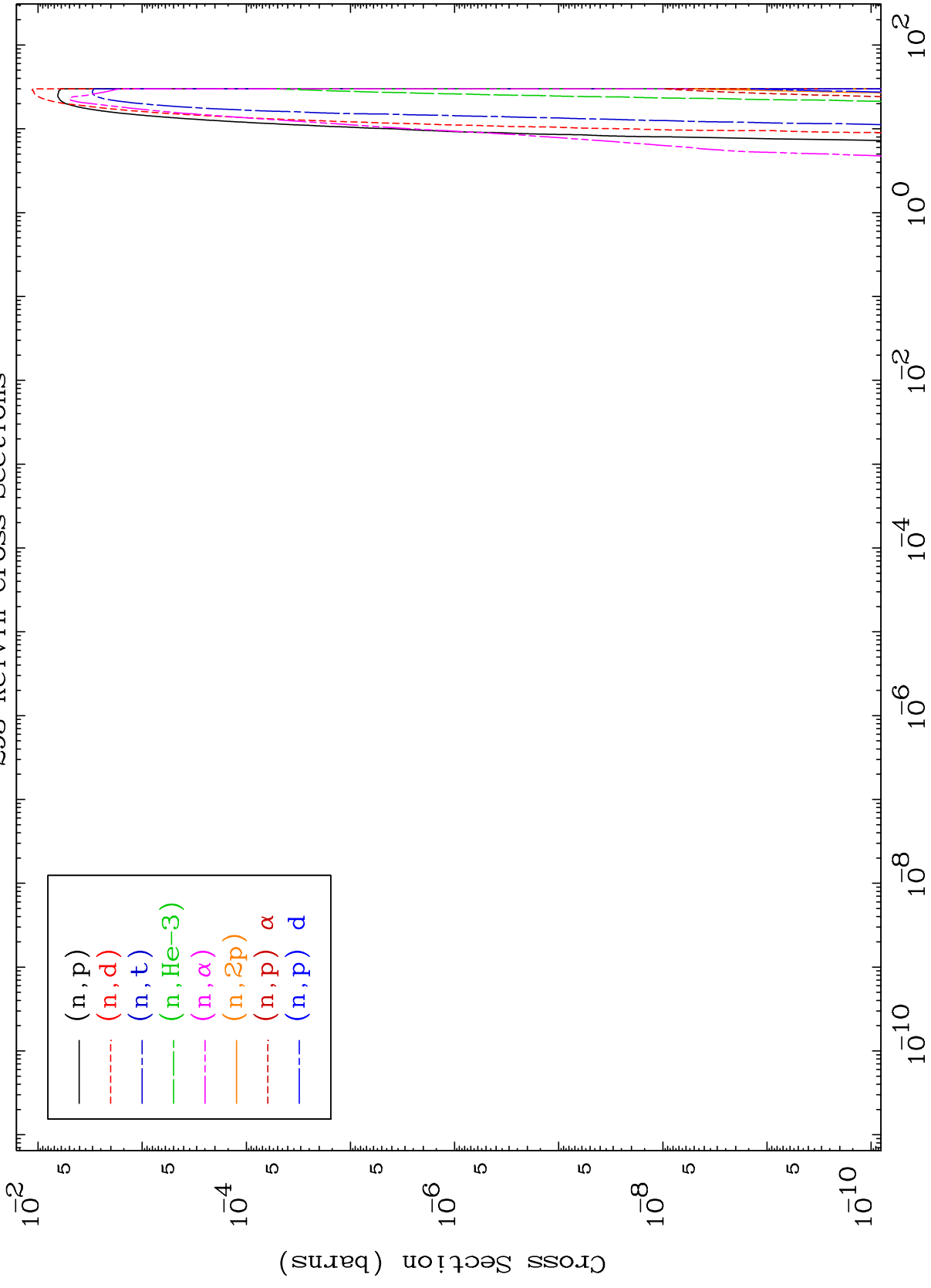
Press Mouse Button to Start







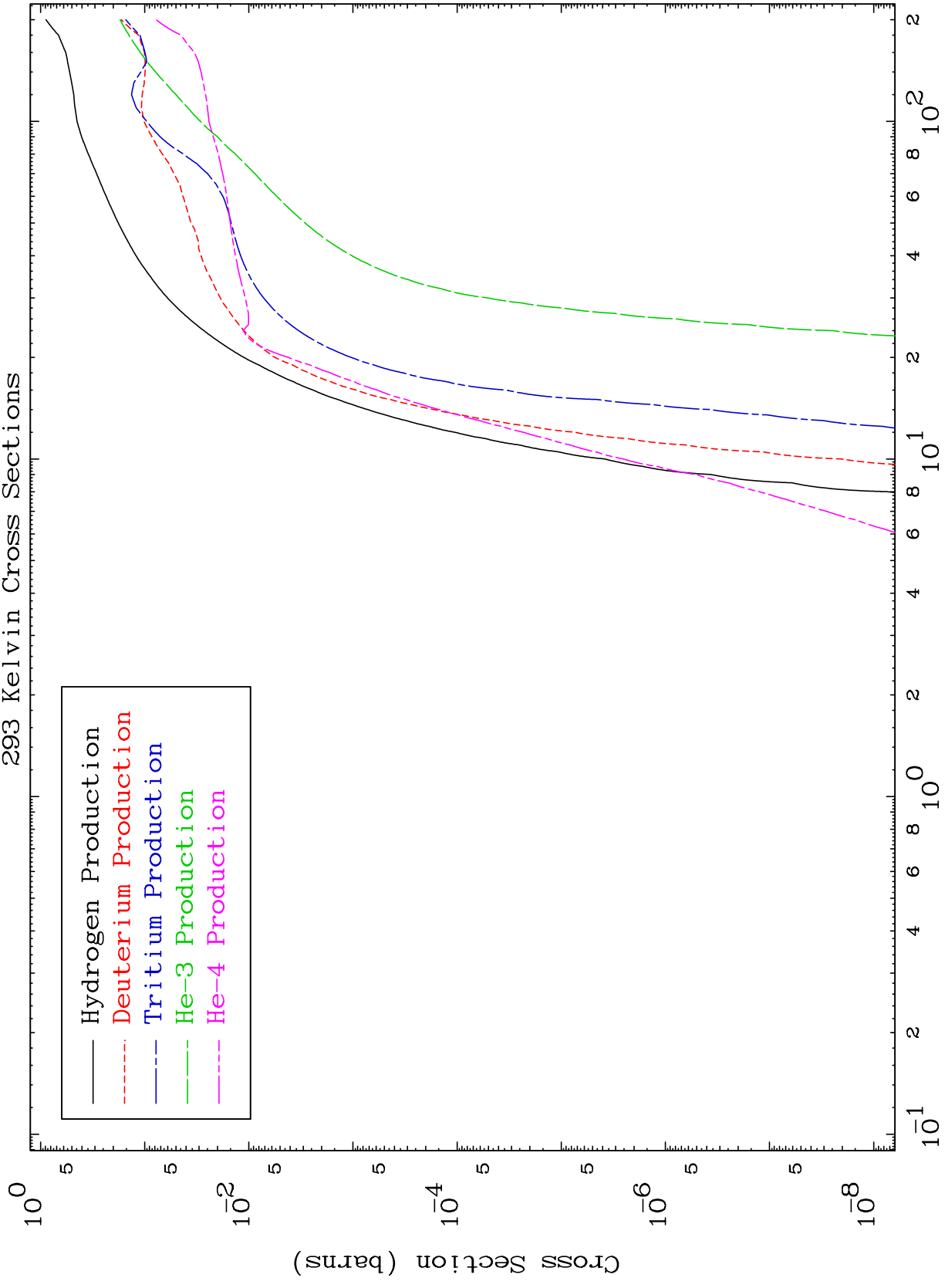




MAT 5349

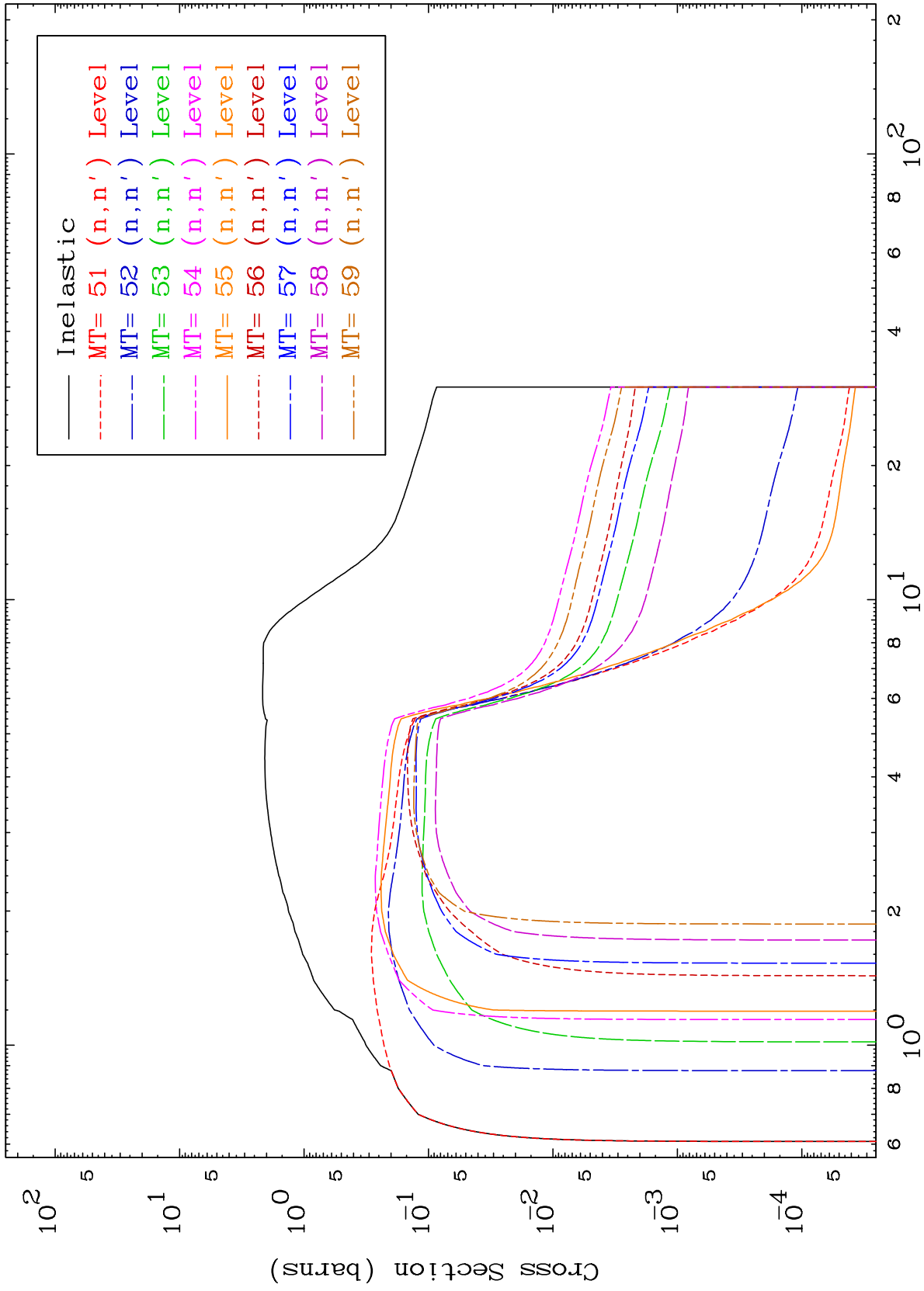
Particle Production
293 Kelvin Cross Sections

53-I -135



Incident Energy (MeV)

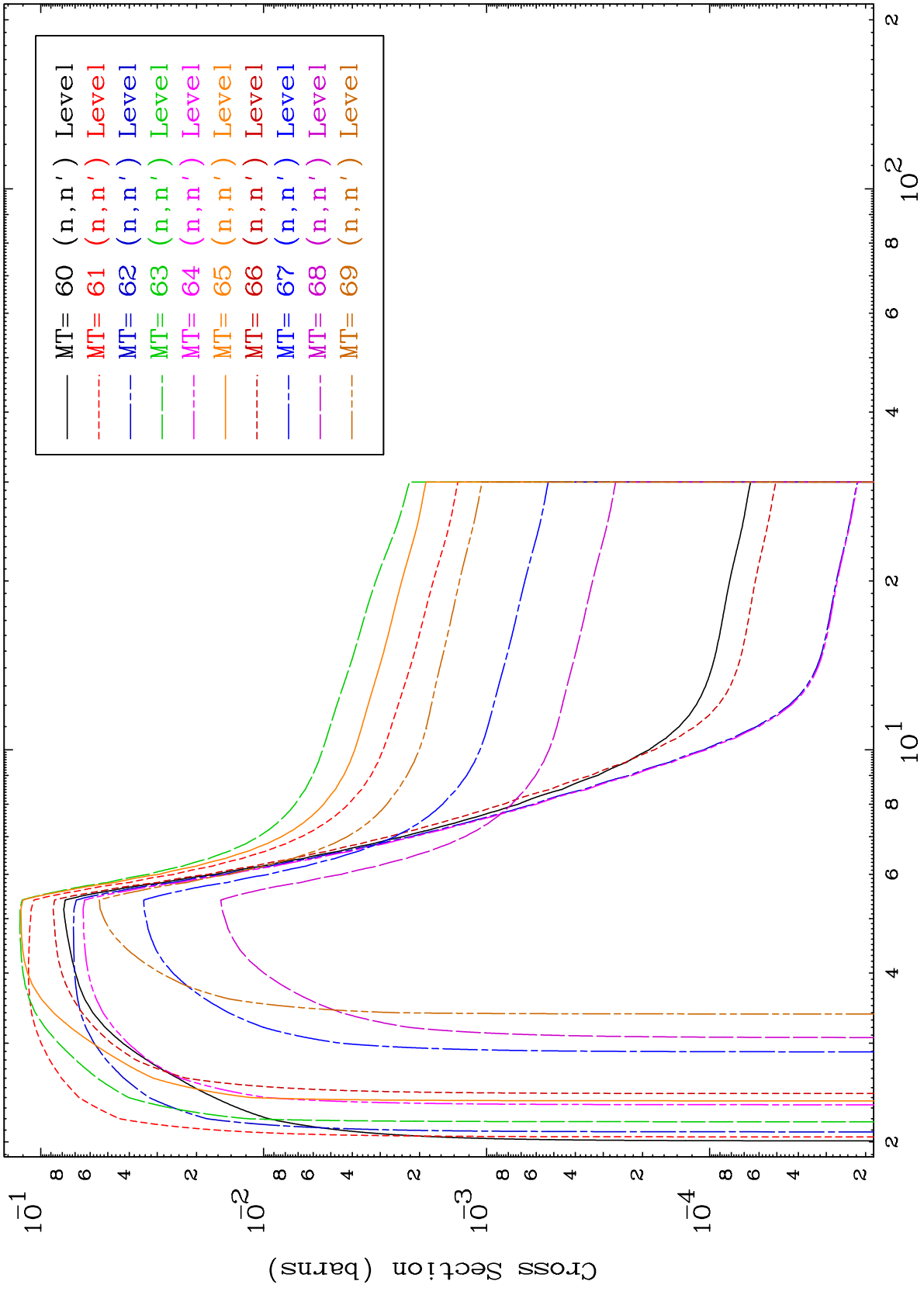
53-I -135



MAT 5349

(n,n') Level
293 Kelvin Cross Sections

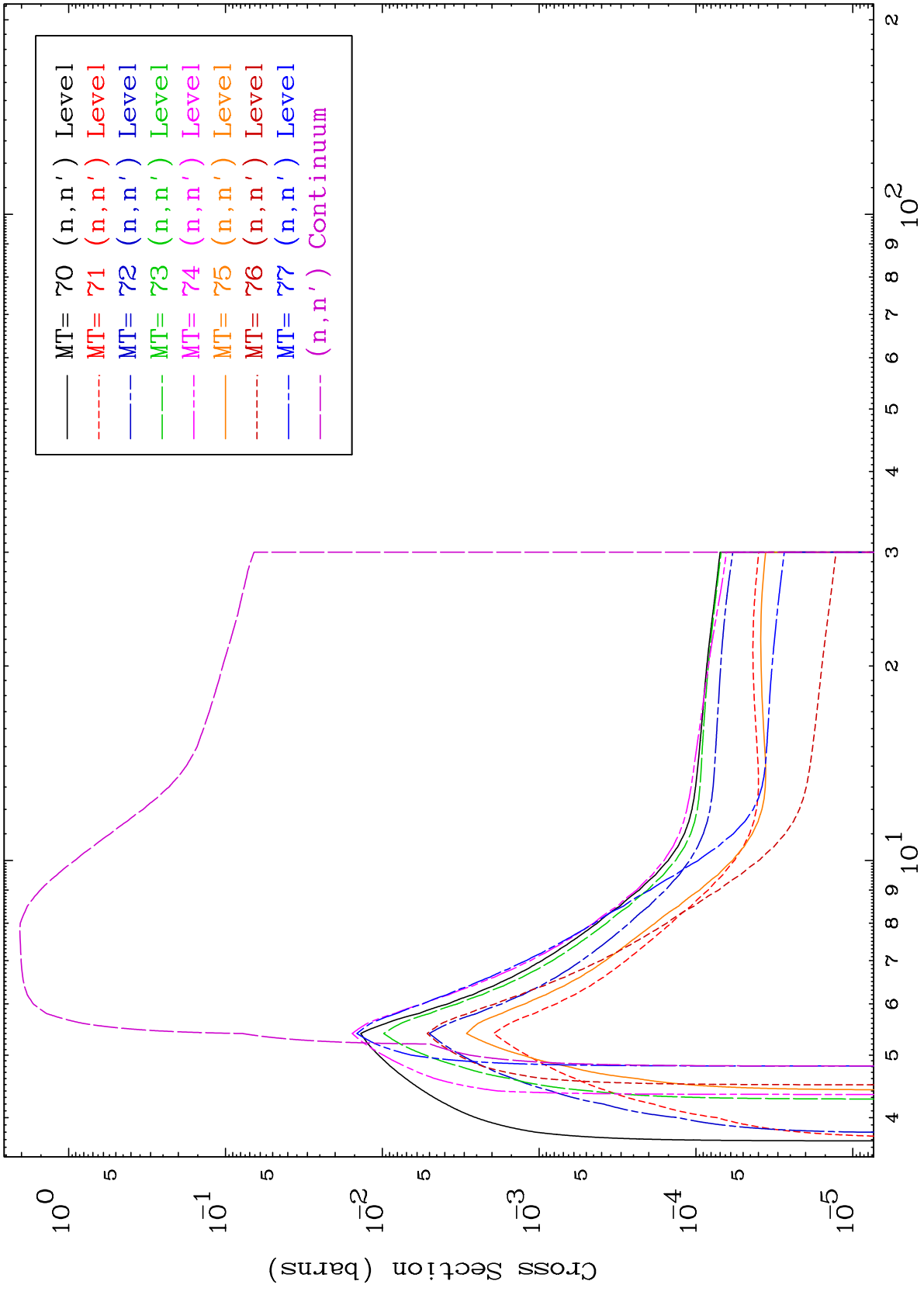
53-I -135



8

Incident Energy (MeV)

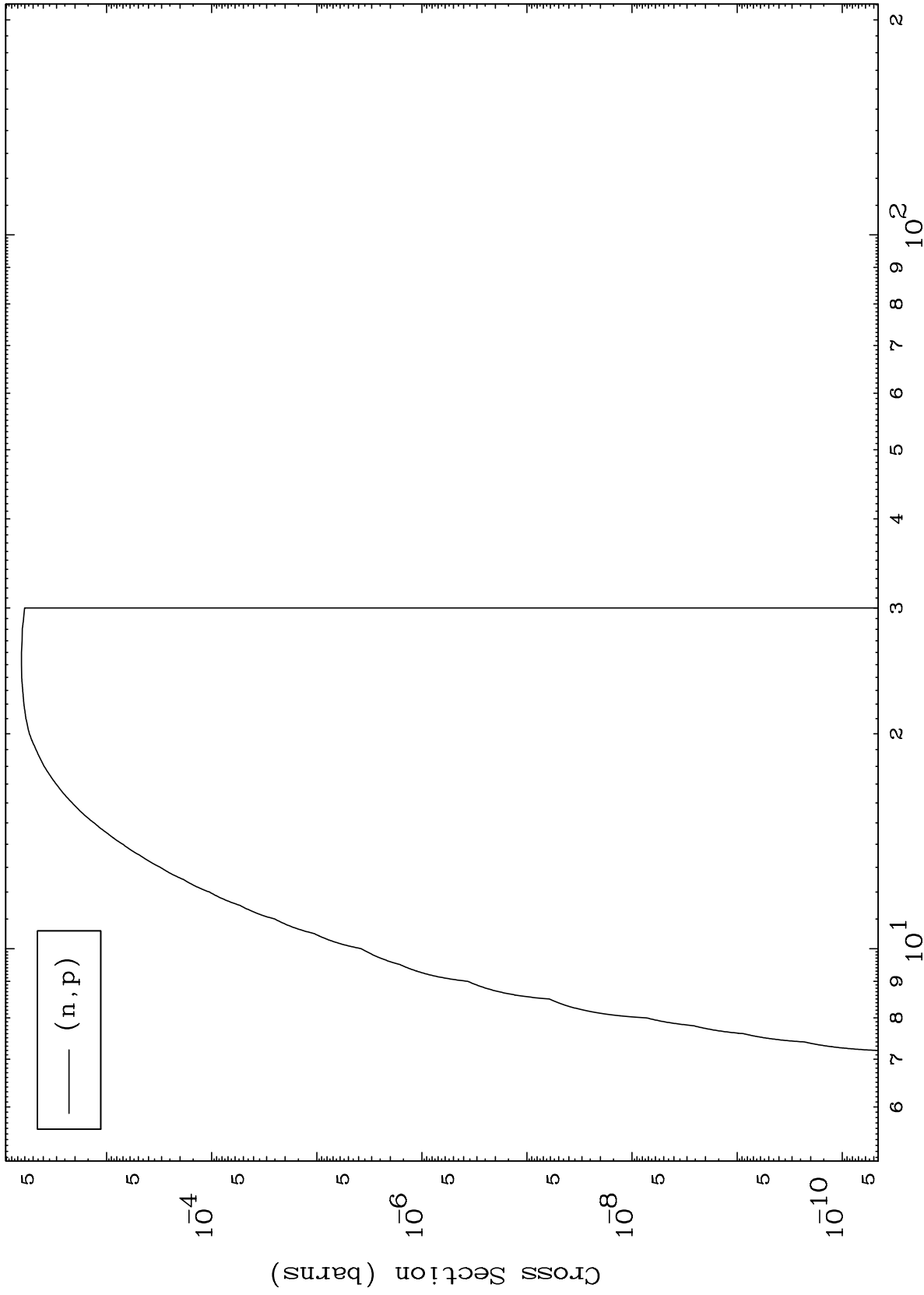
53-I -135



MAT 5349

(n,p) Levels
293 Kelvin Cross Sections

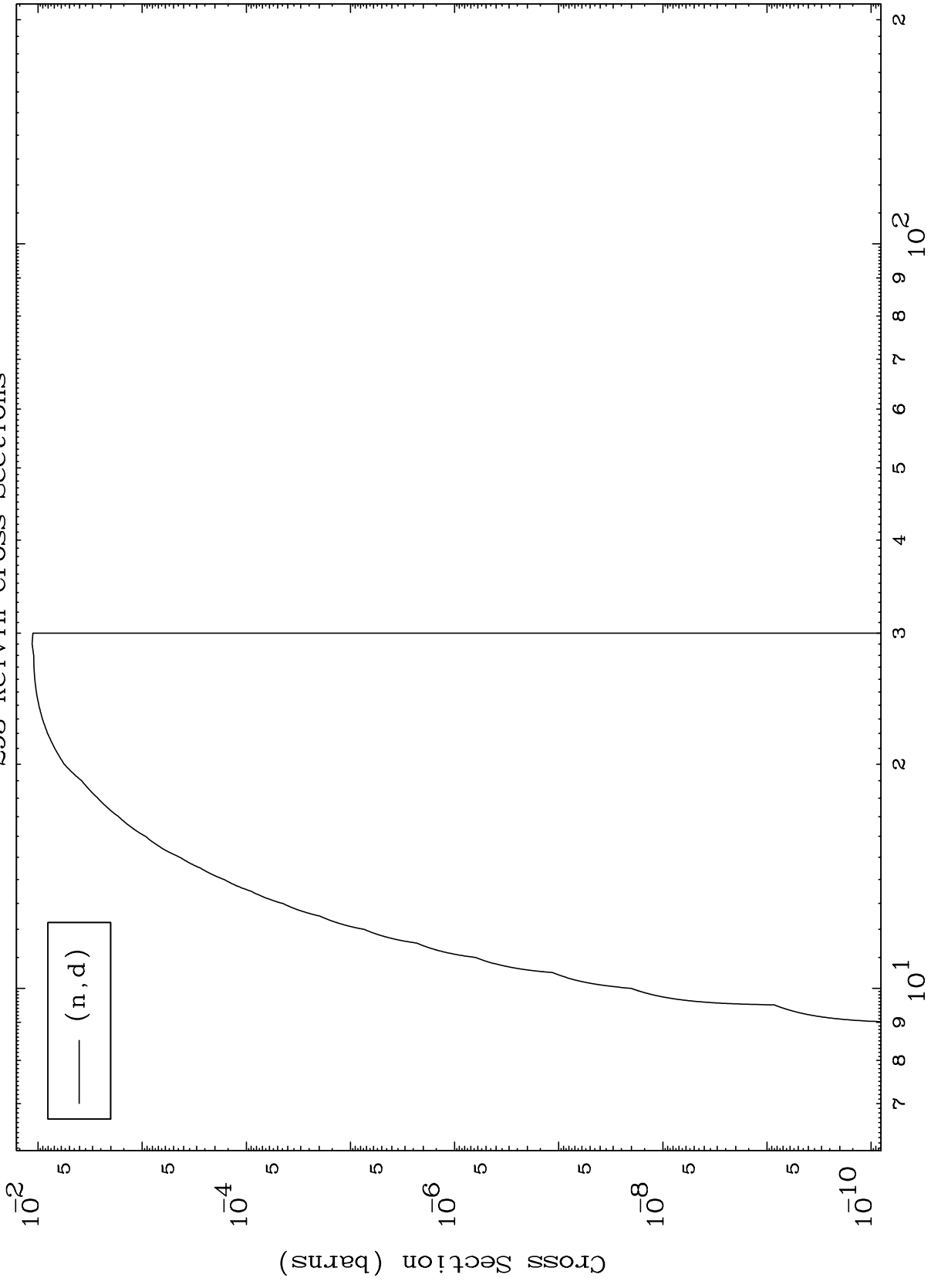
53-I -135



10

Incident Energy (MeV)

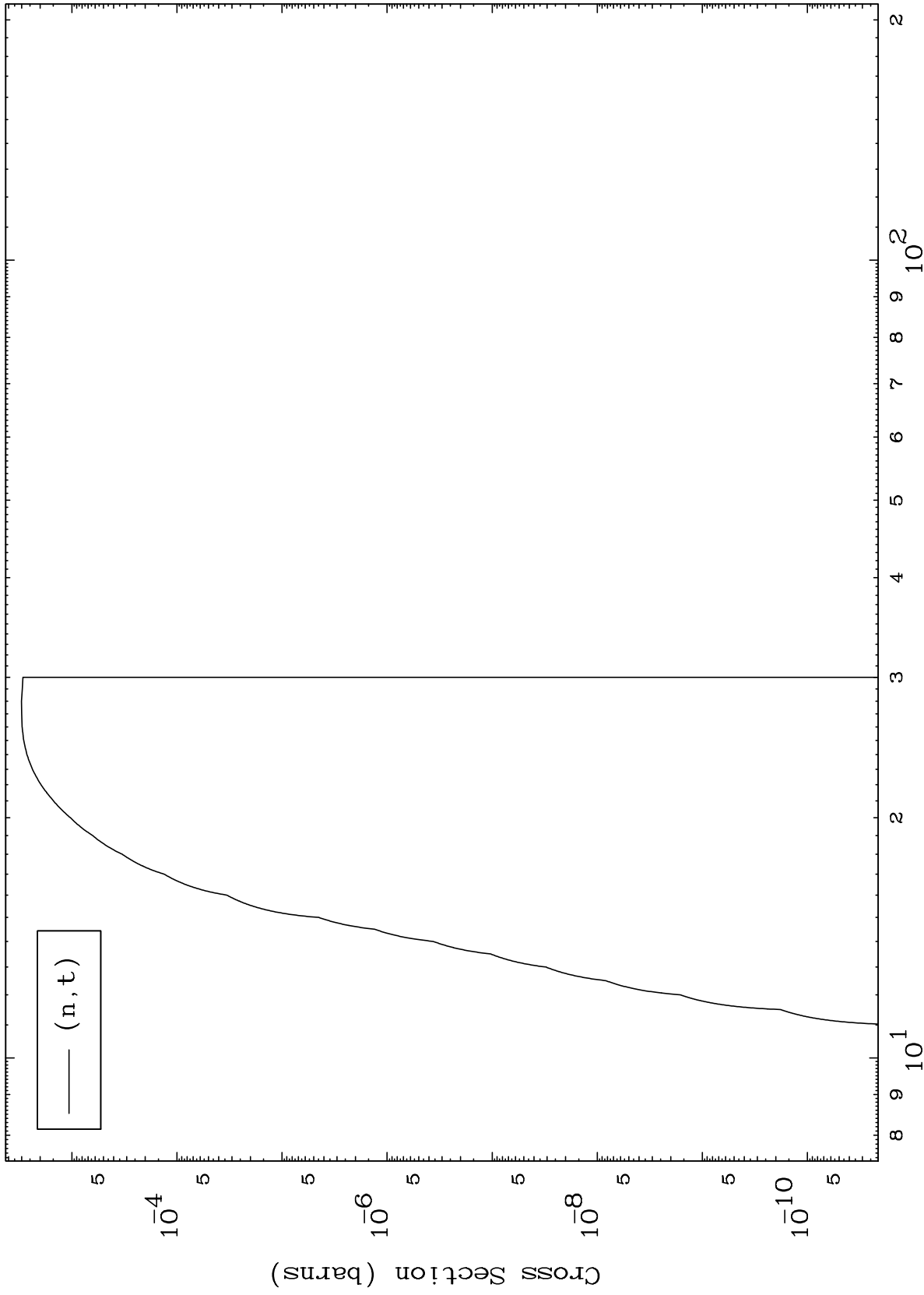
53-I -135



MAT 5349

(n,t) Levels
293 Kelvin Cross Sections

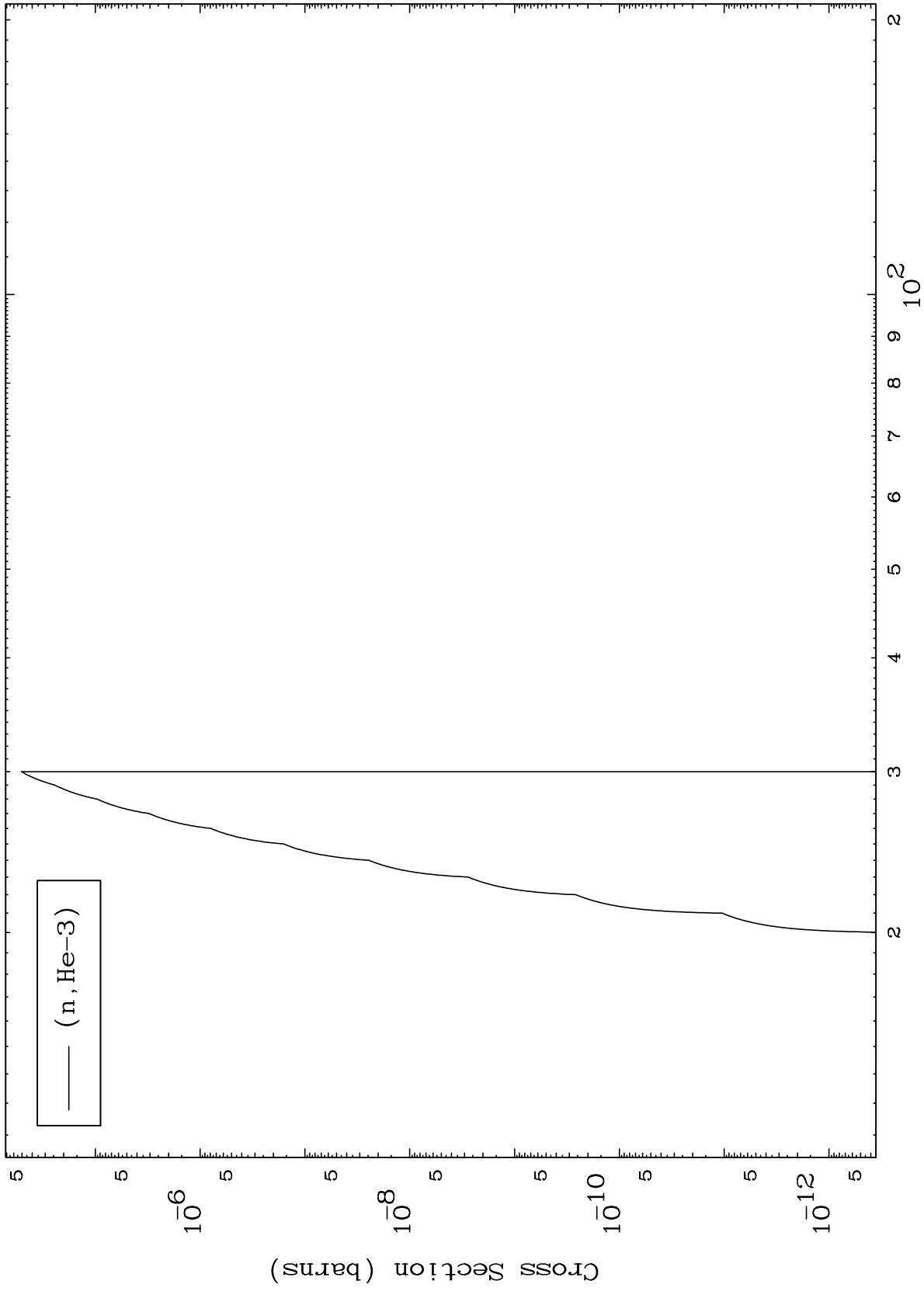
53-I -135



12

Incident Energy (MeV)

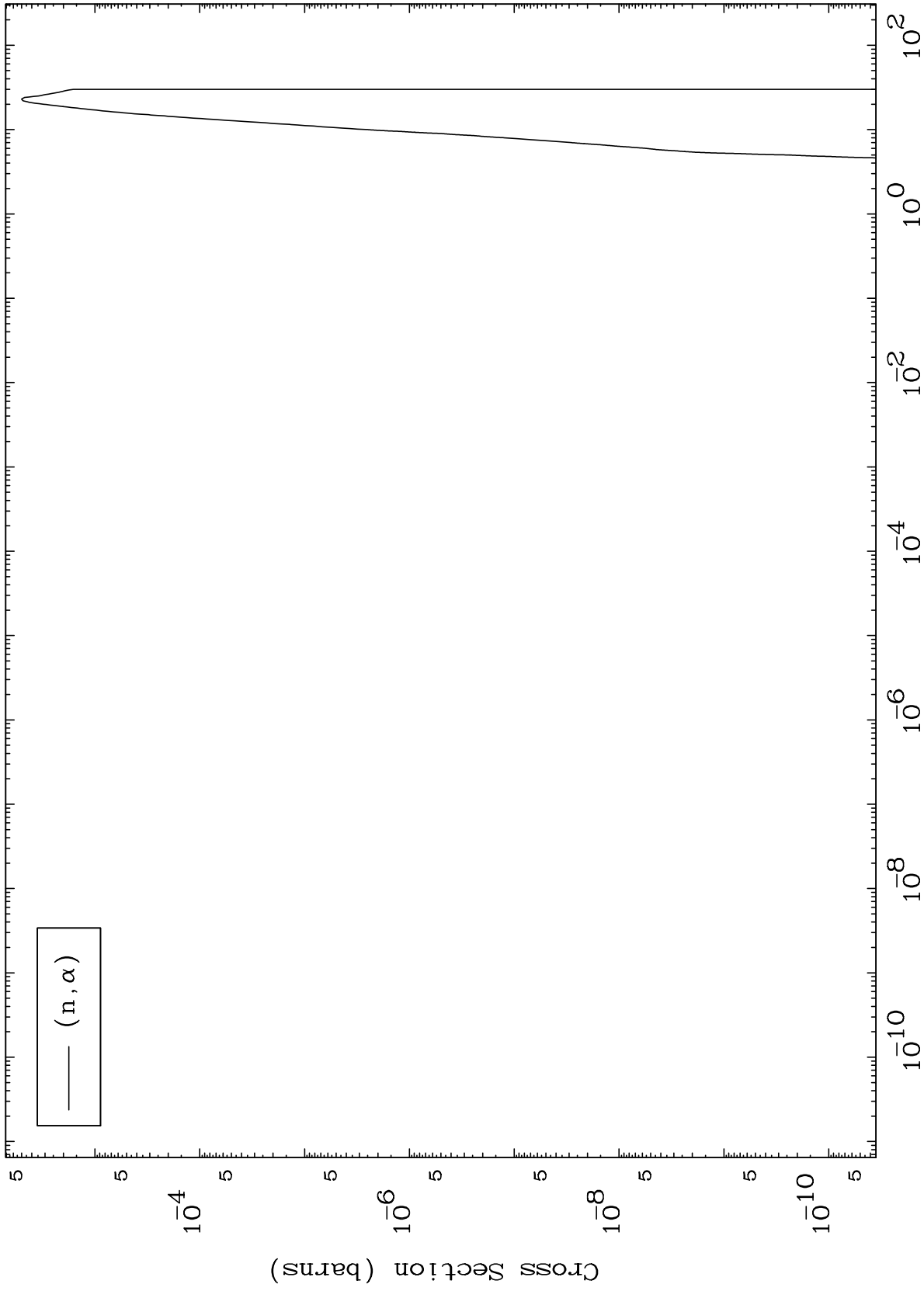
53-I -135



MAT 5349

(n, α) Levels
293 Kelvin Cross Sections

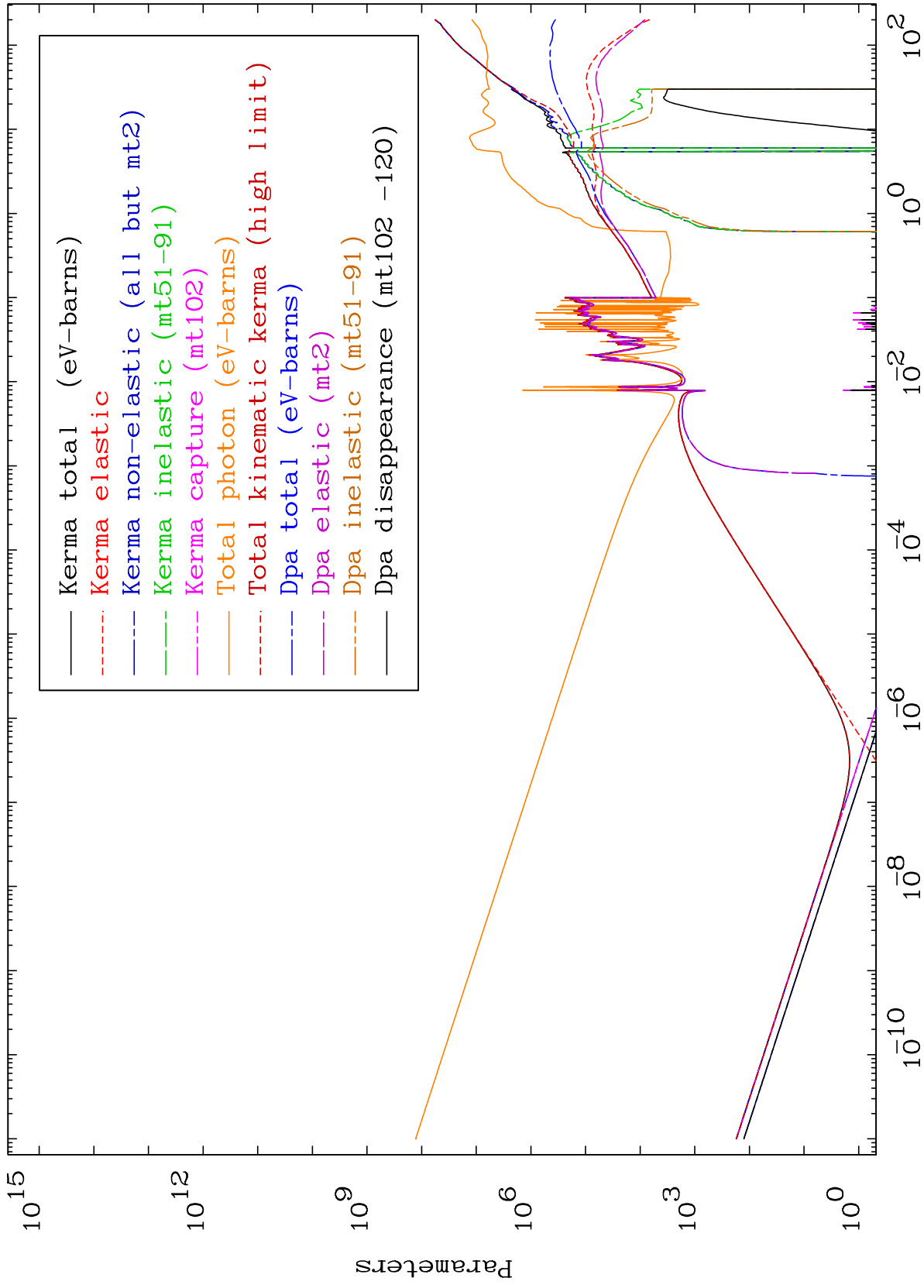
53-I -135



14

Incident Energy (MeV)

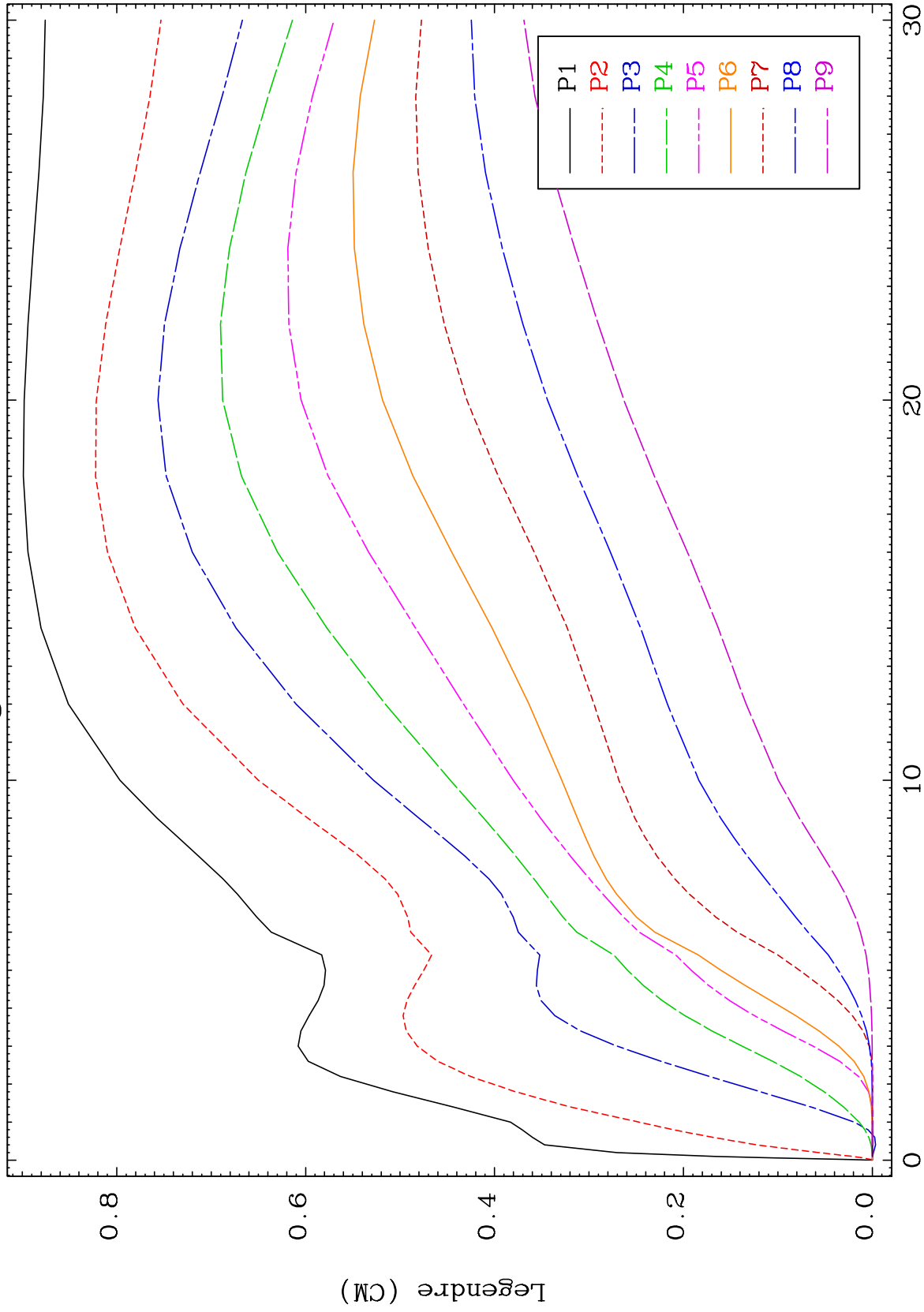
53-I -135



MAT 5349

Elastic Legendre Coefficients

53-I -135



16

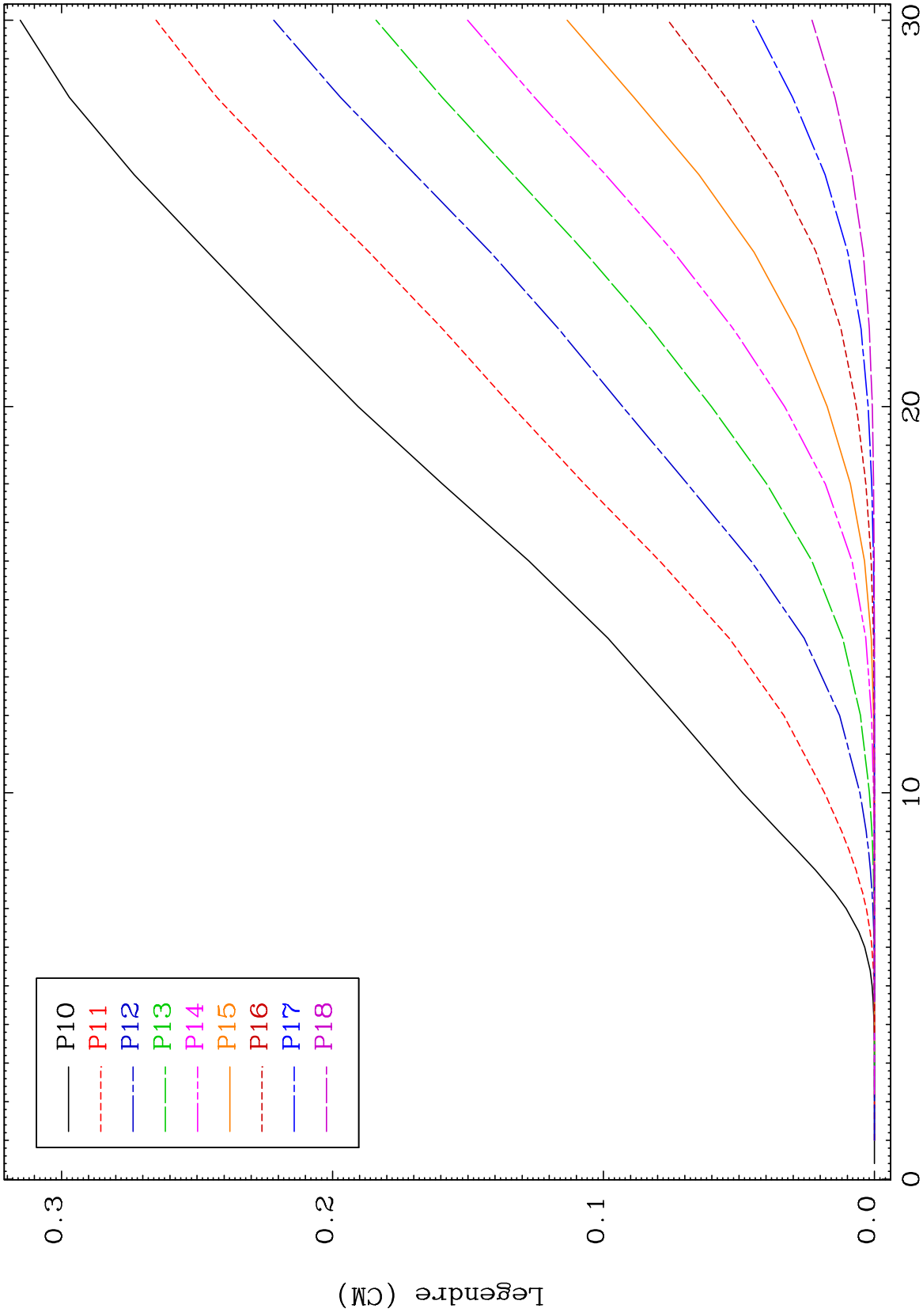
Incident Energy (MeV)

53-I -135

MAT 5349

Elastic Legendre Coefficients

53-I -135



17

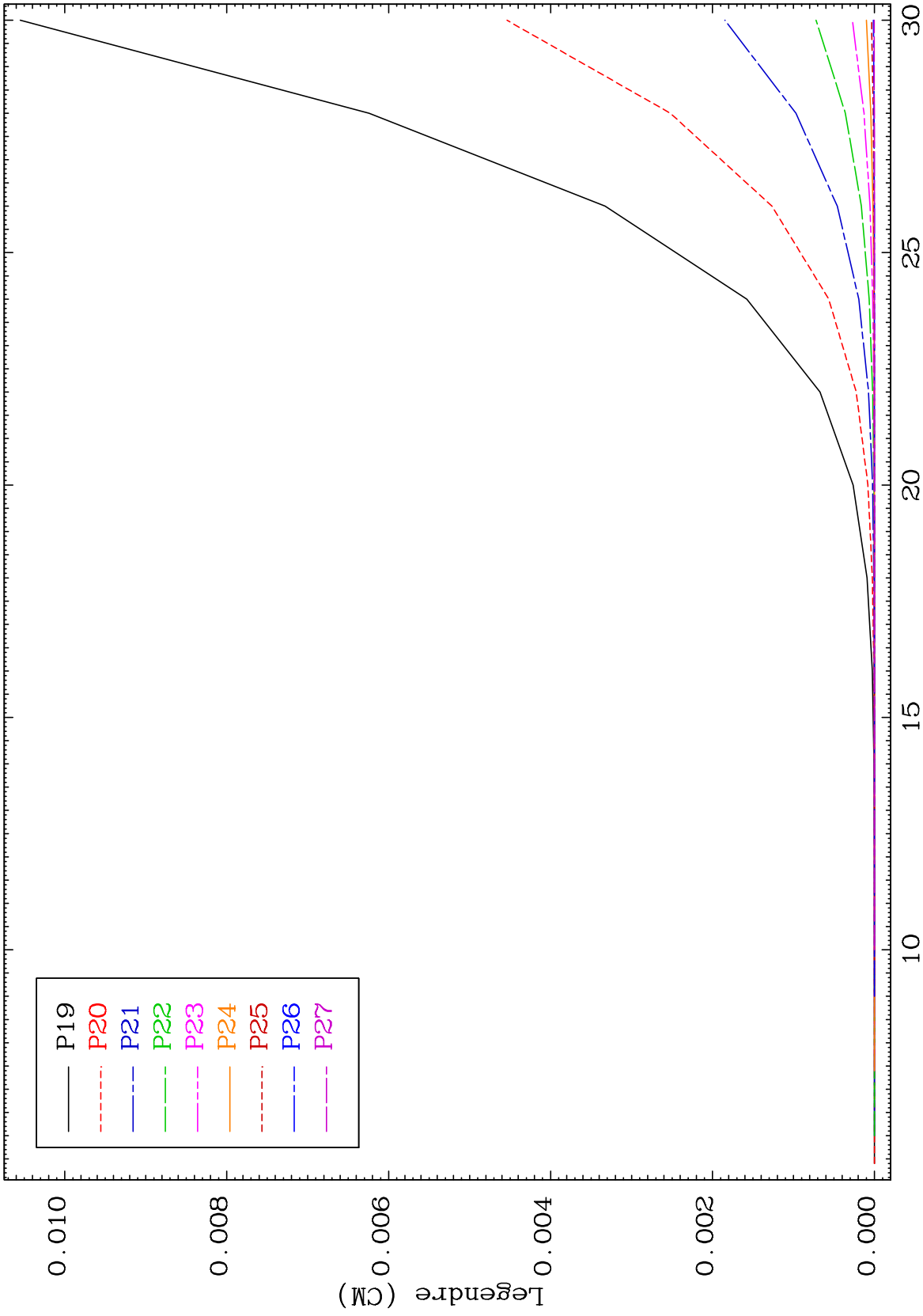
Incident Energy (MeV)

53-I -135

MAT 5349

Elastic Legendre Coefficients

53-I -135



18

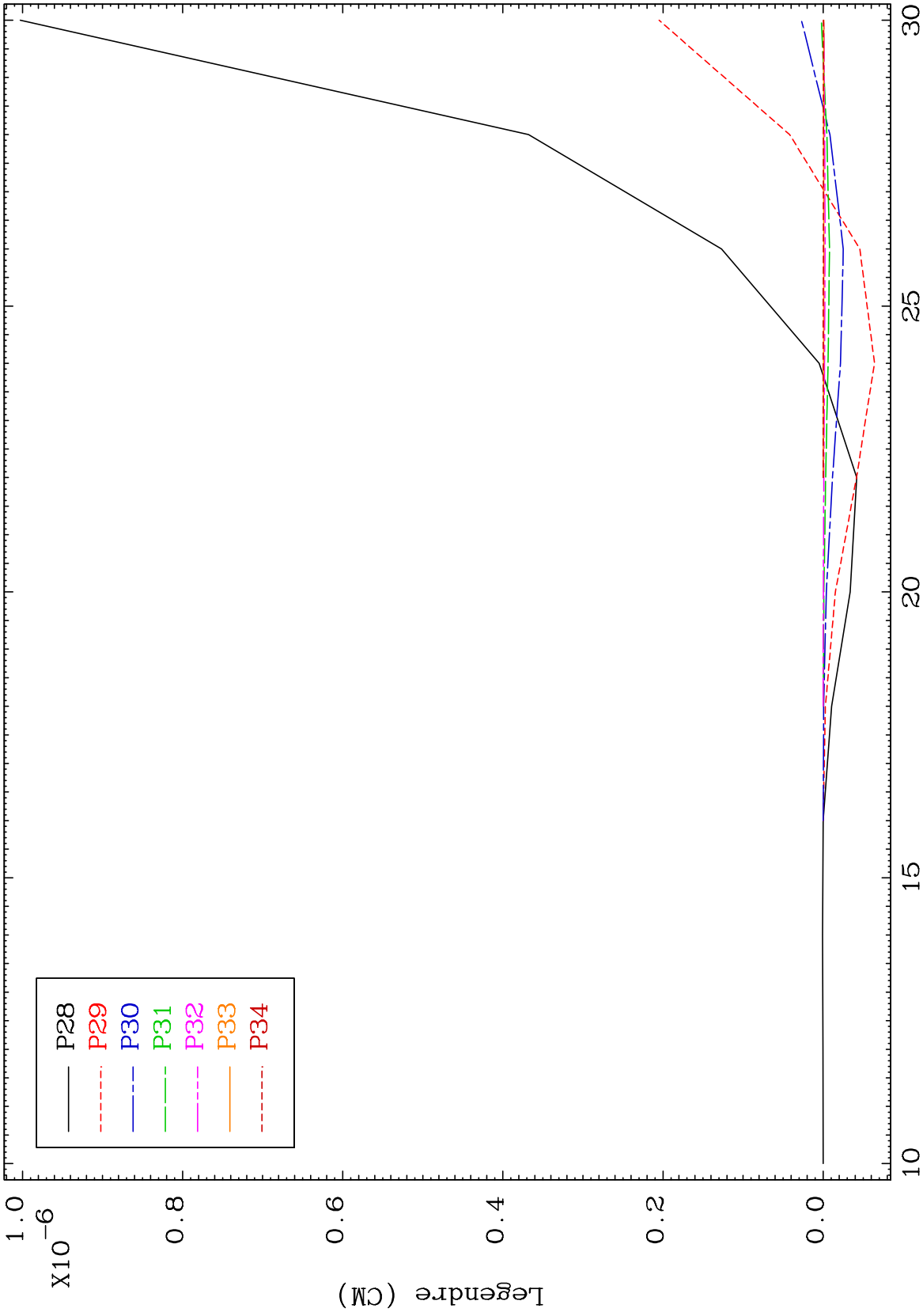
Incident Energy (MeV)

53-I -135

MAT 5349

Elastic Legendre Coefficients

53-I -135



19

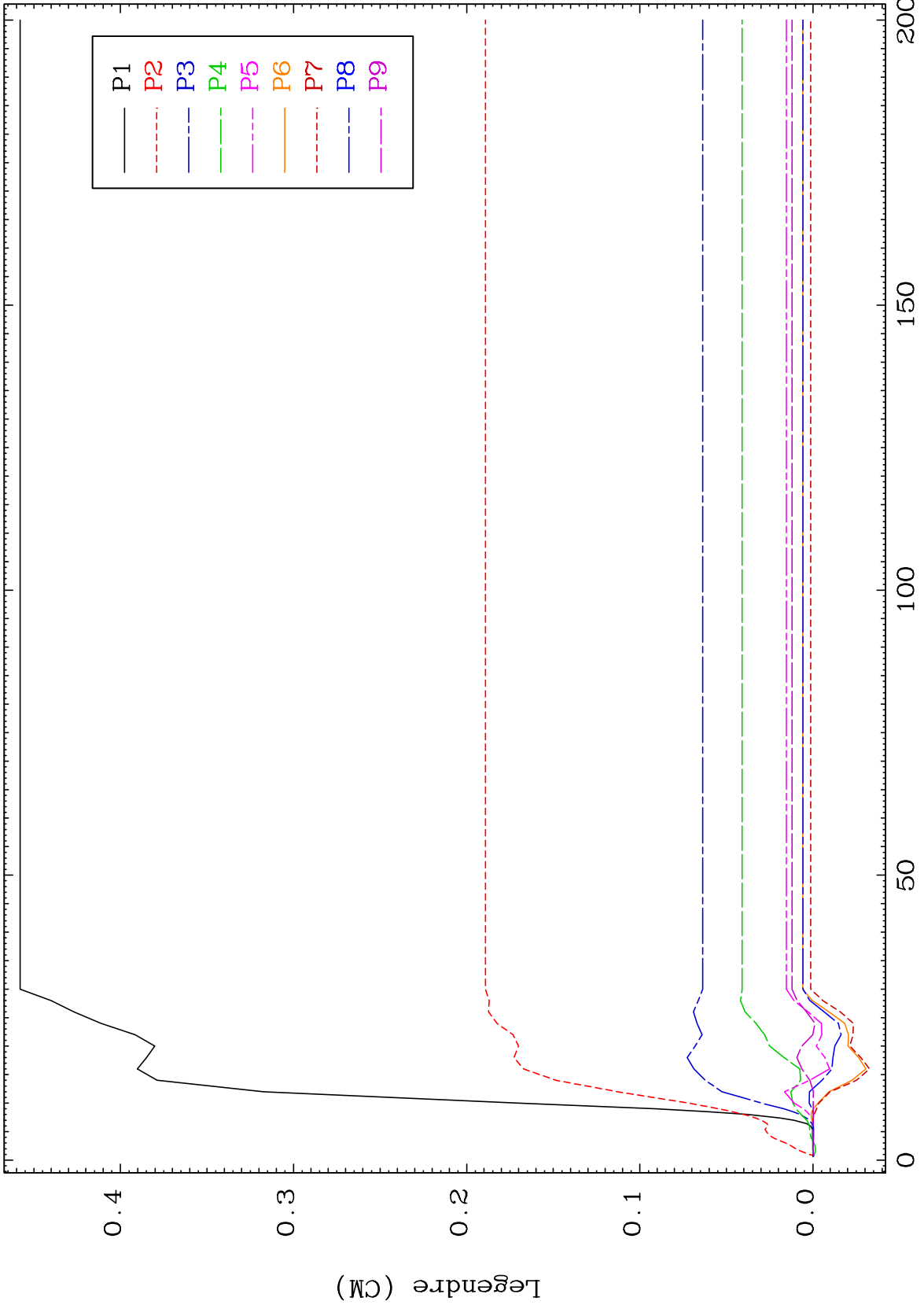
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



20

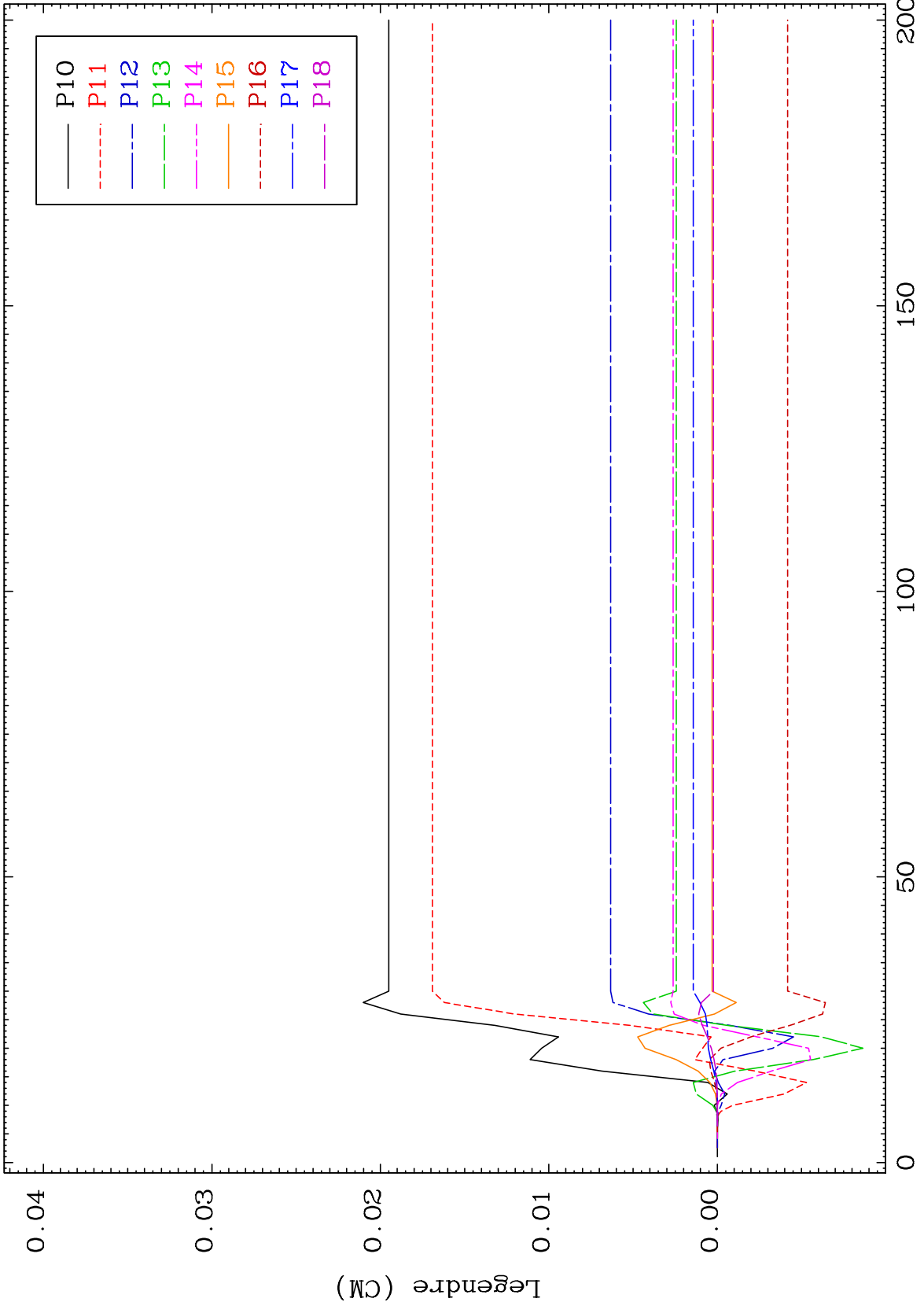
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



21

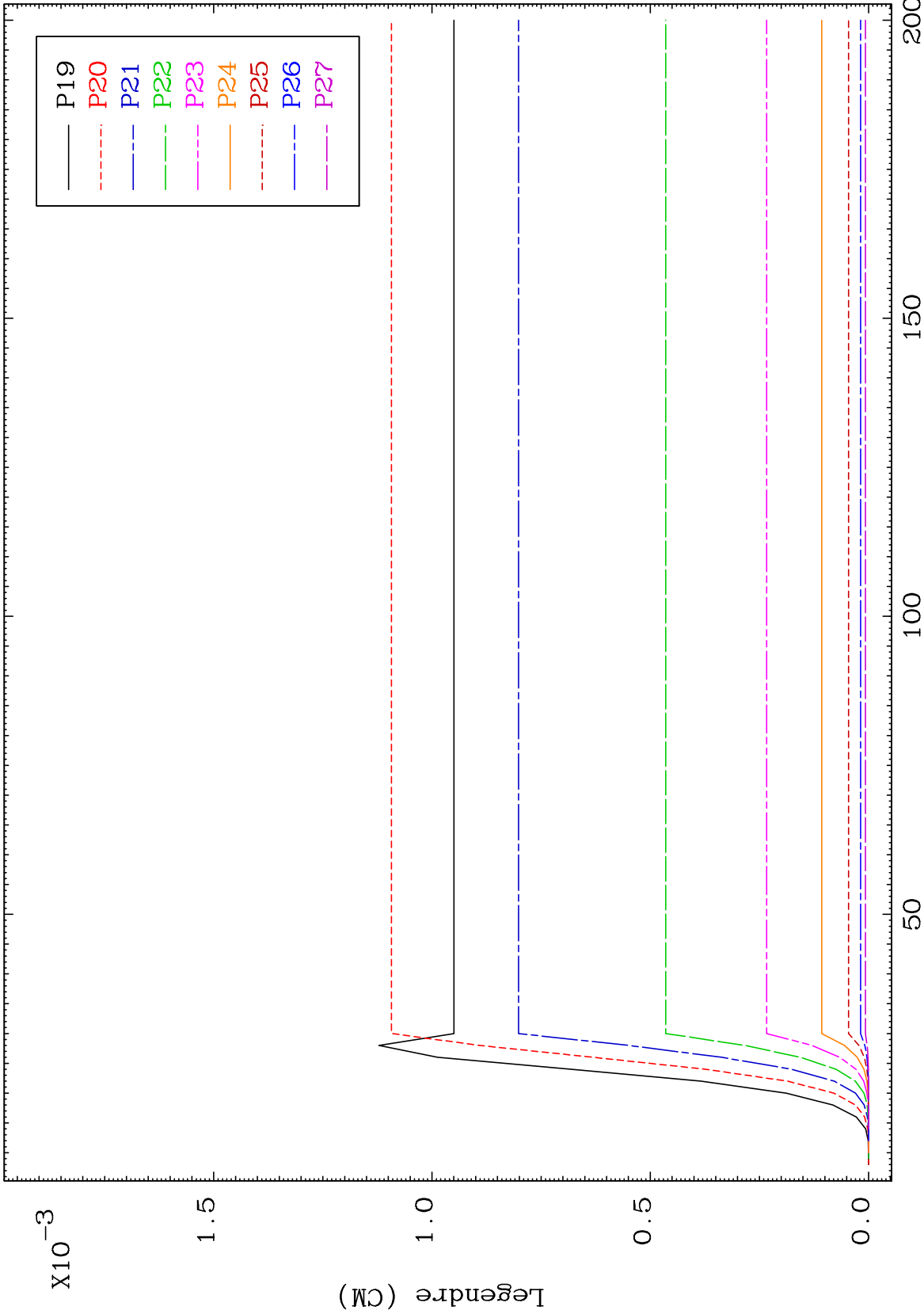
Incident Energy (MeV)

53-I -135

MAT 5349

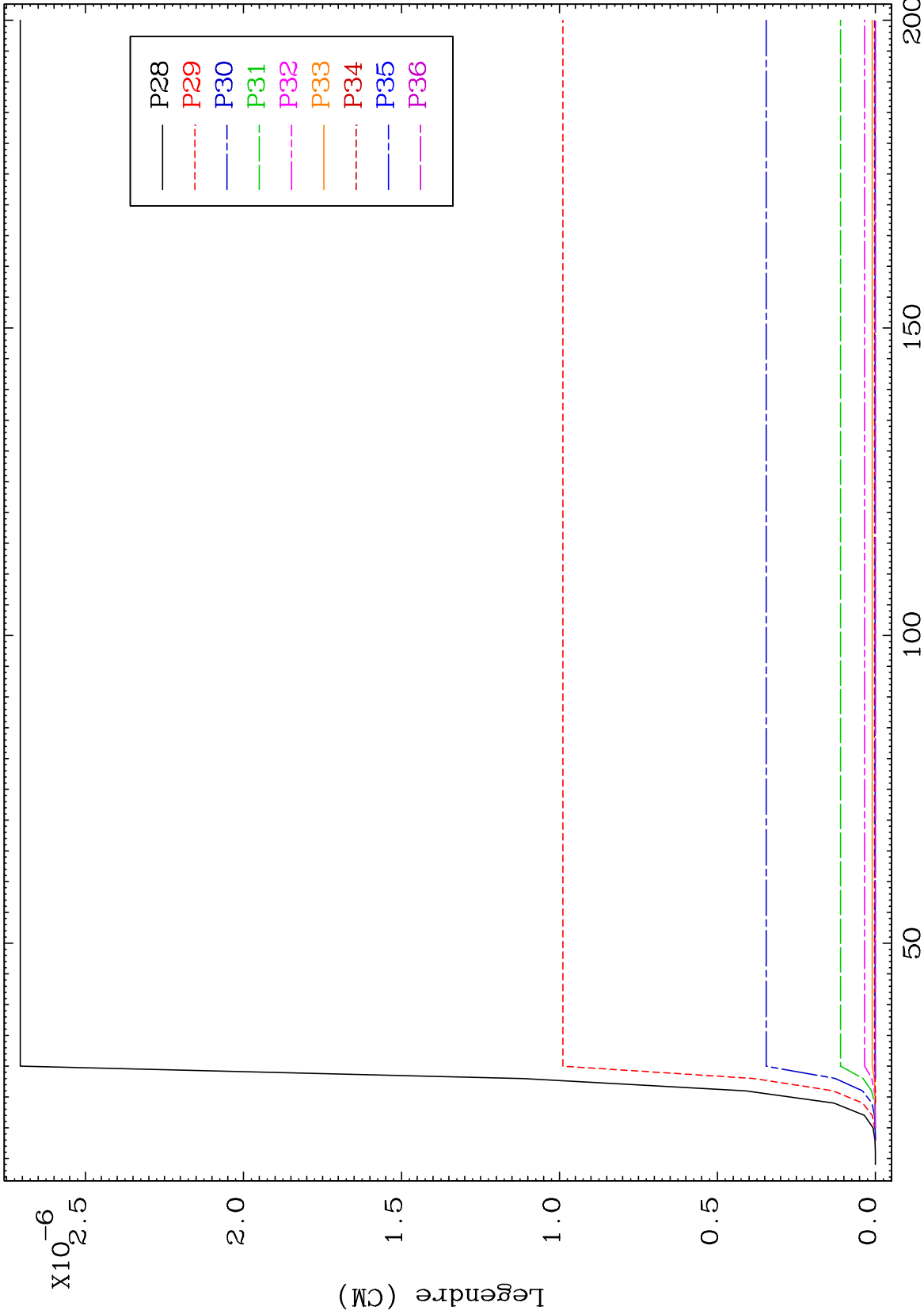
MT= 51 (n,n') Level
Legendre Coefficients

53-I -135



22

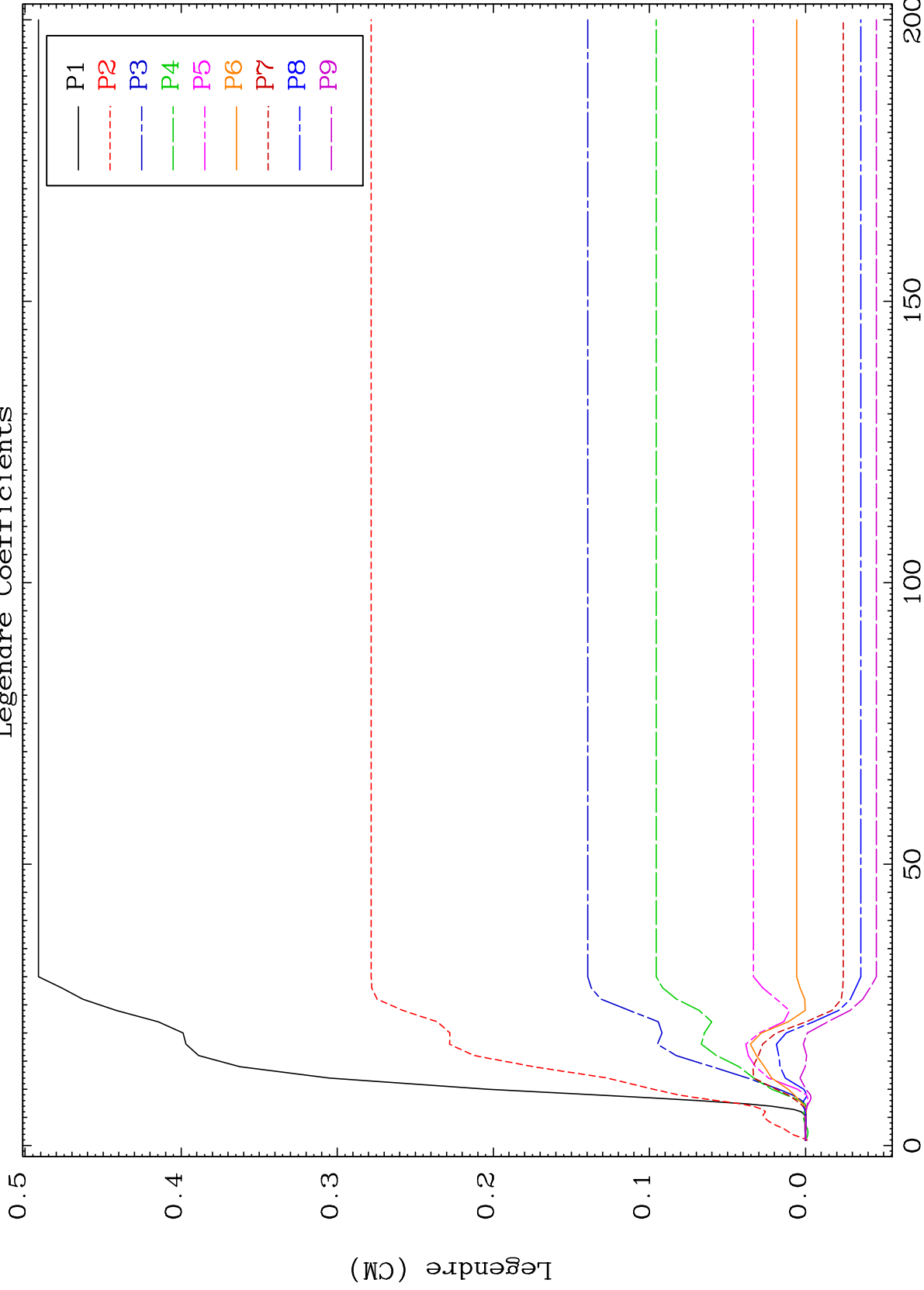
53-I -135



MAT 5349

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

53-I -135



24

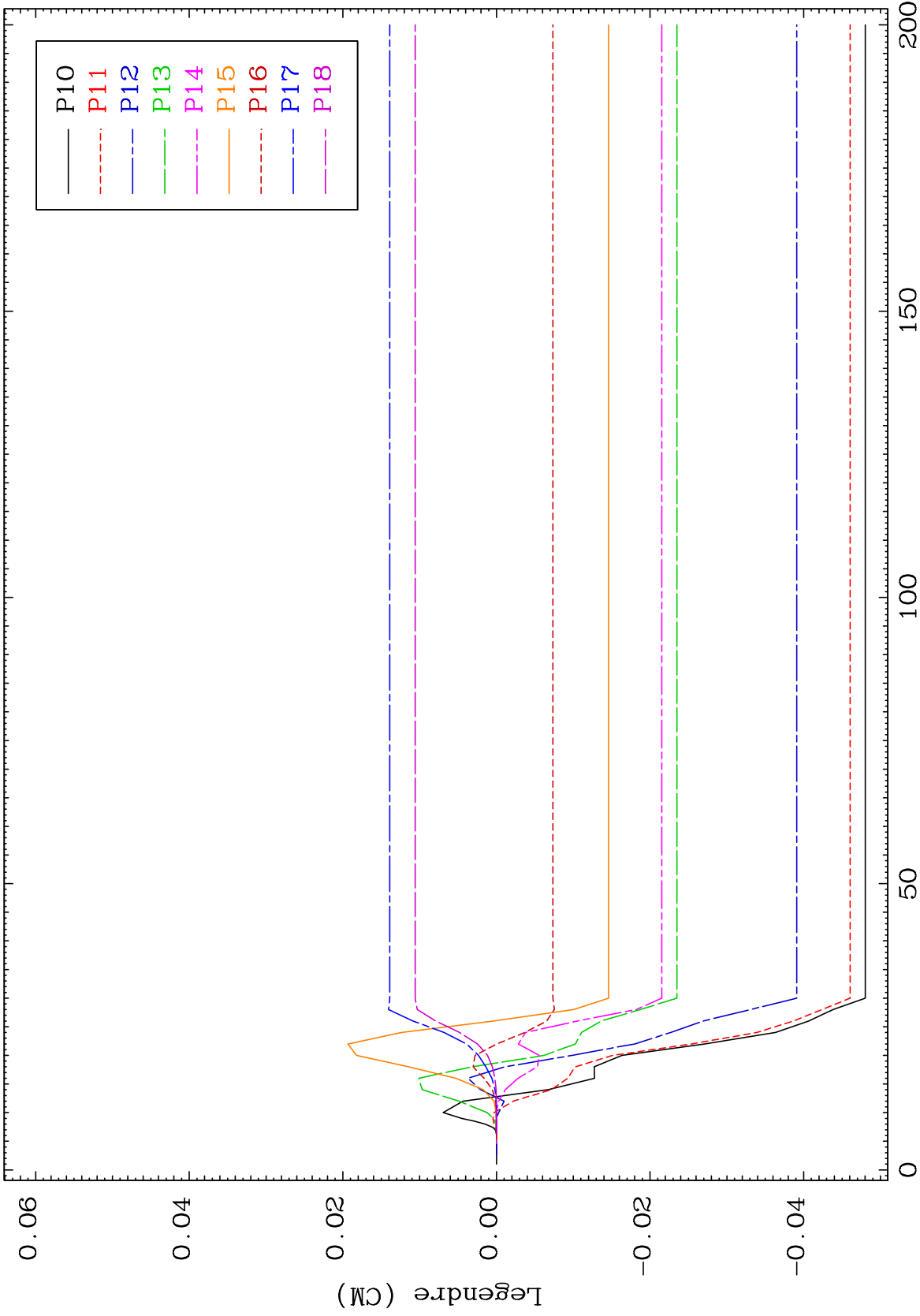
Incident Energy (MeV)

53-I -135

MAT 5349

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

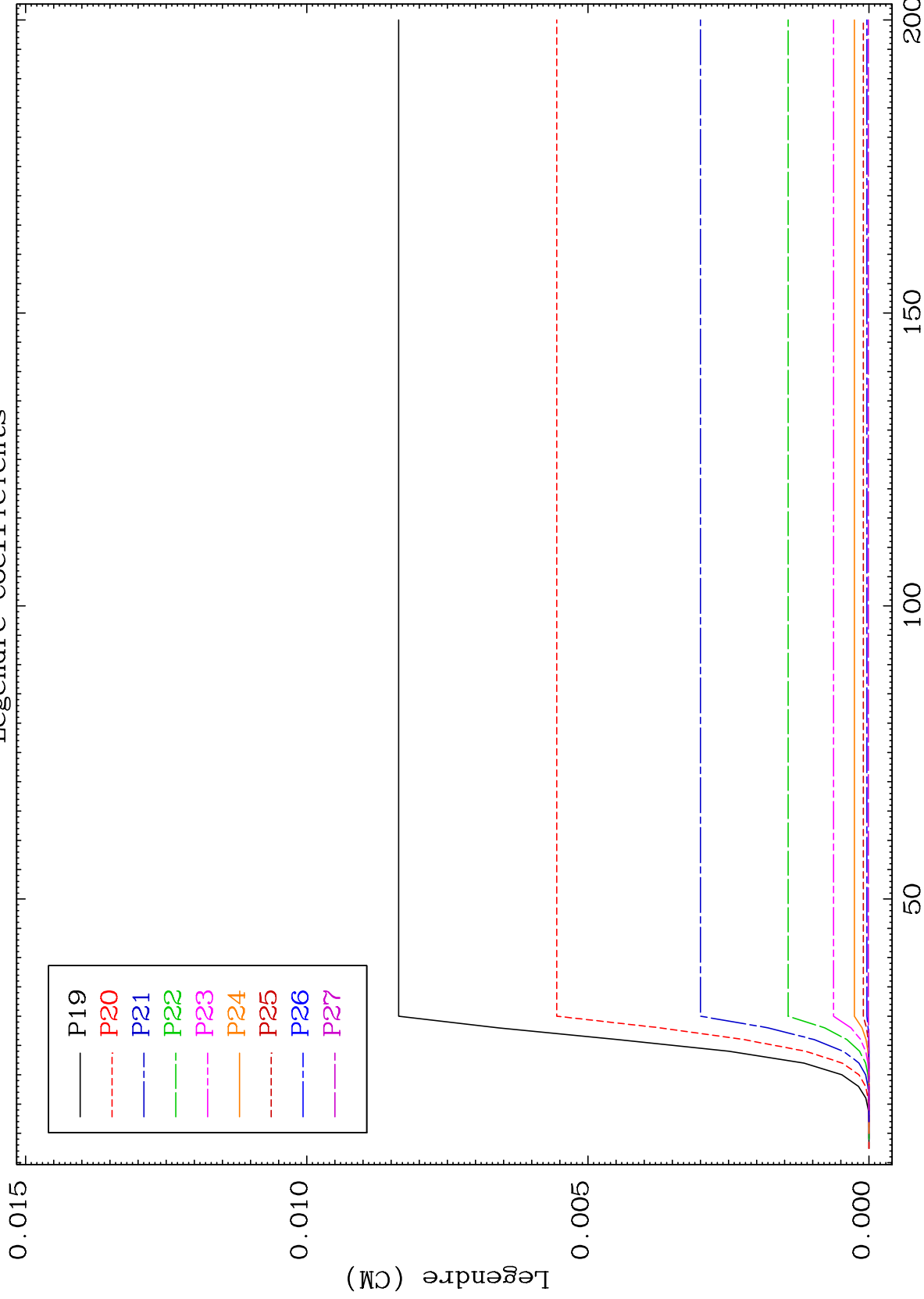
53-I -135

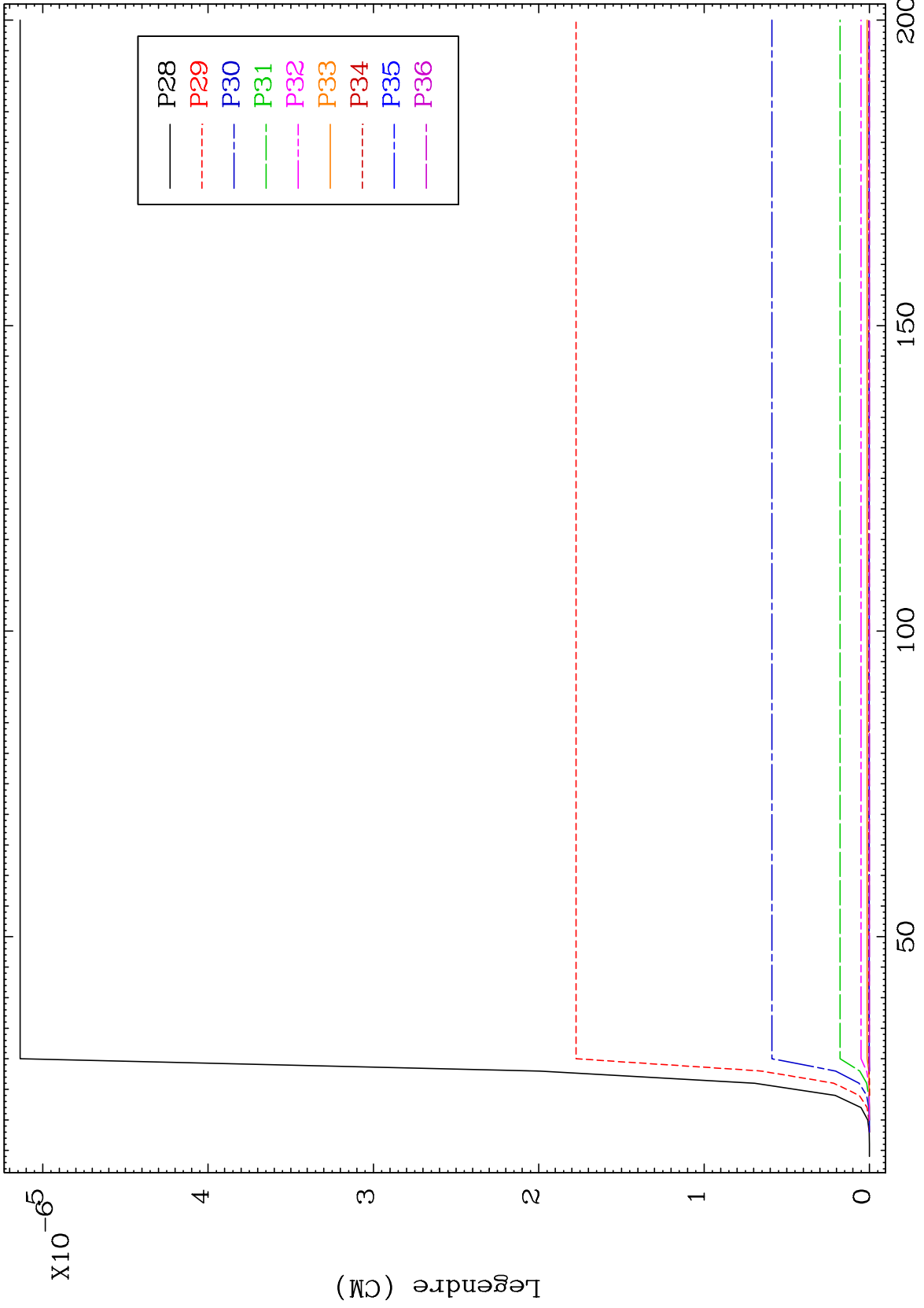


25

Incident Energy (MeV)

53-I -135

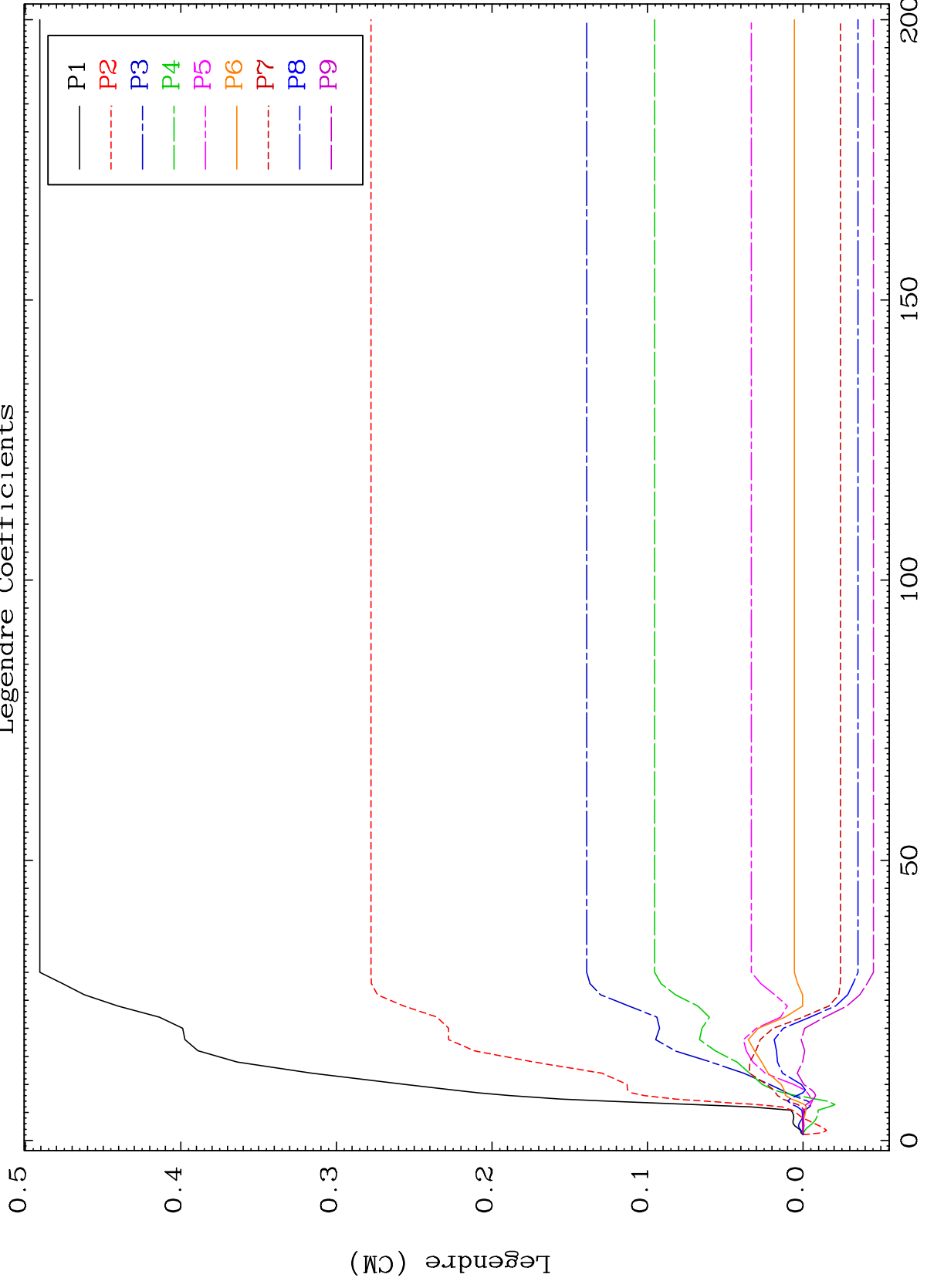




MAT 5349

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

53-I -135



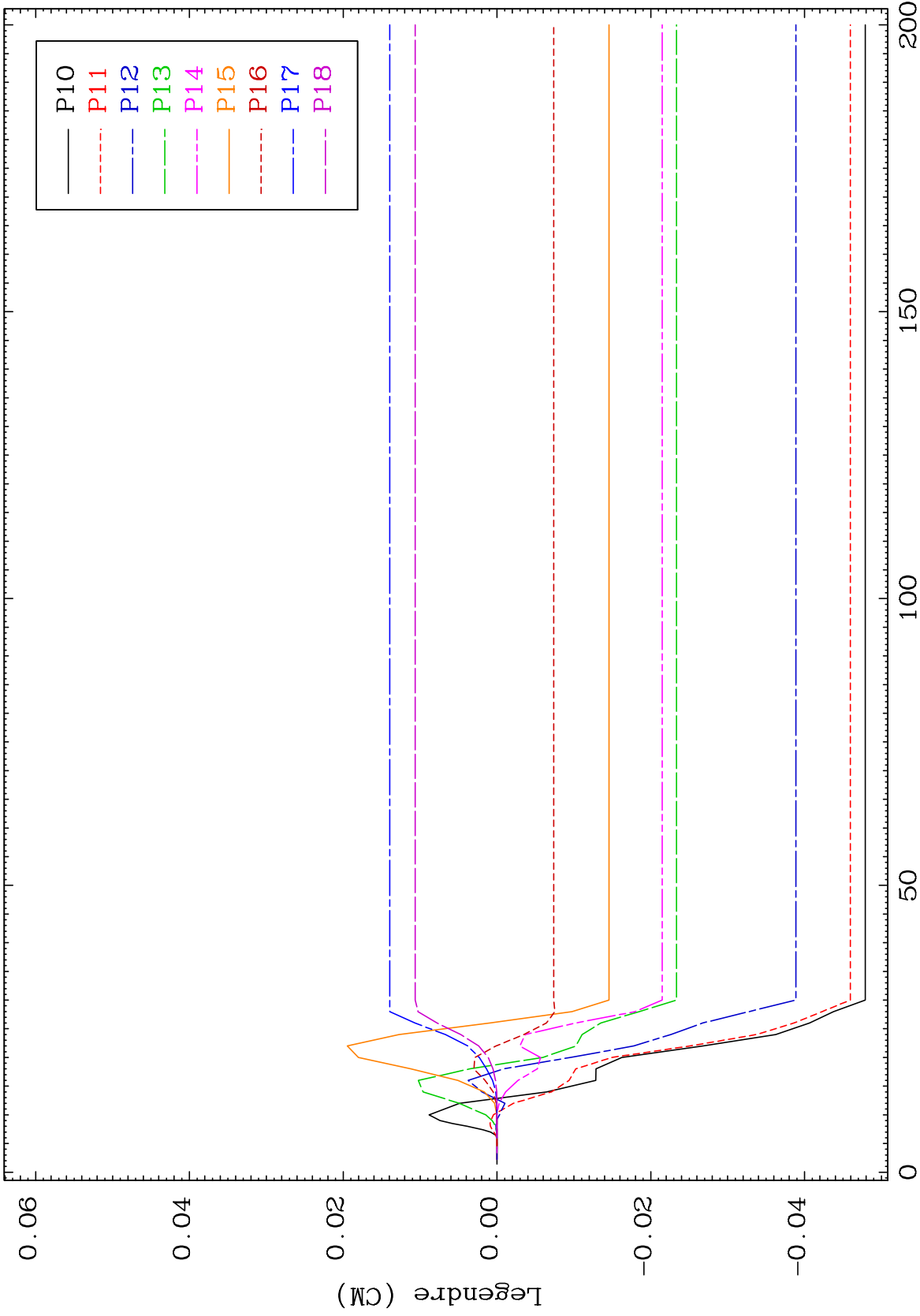
28

53-I -135

MAT 5349

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

53-I -135



29

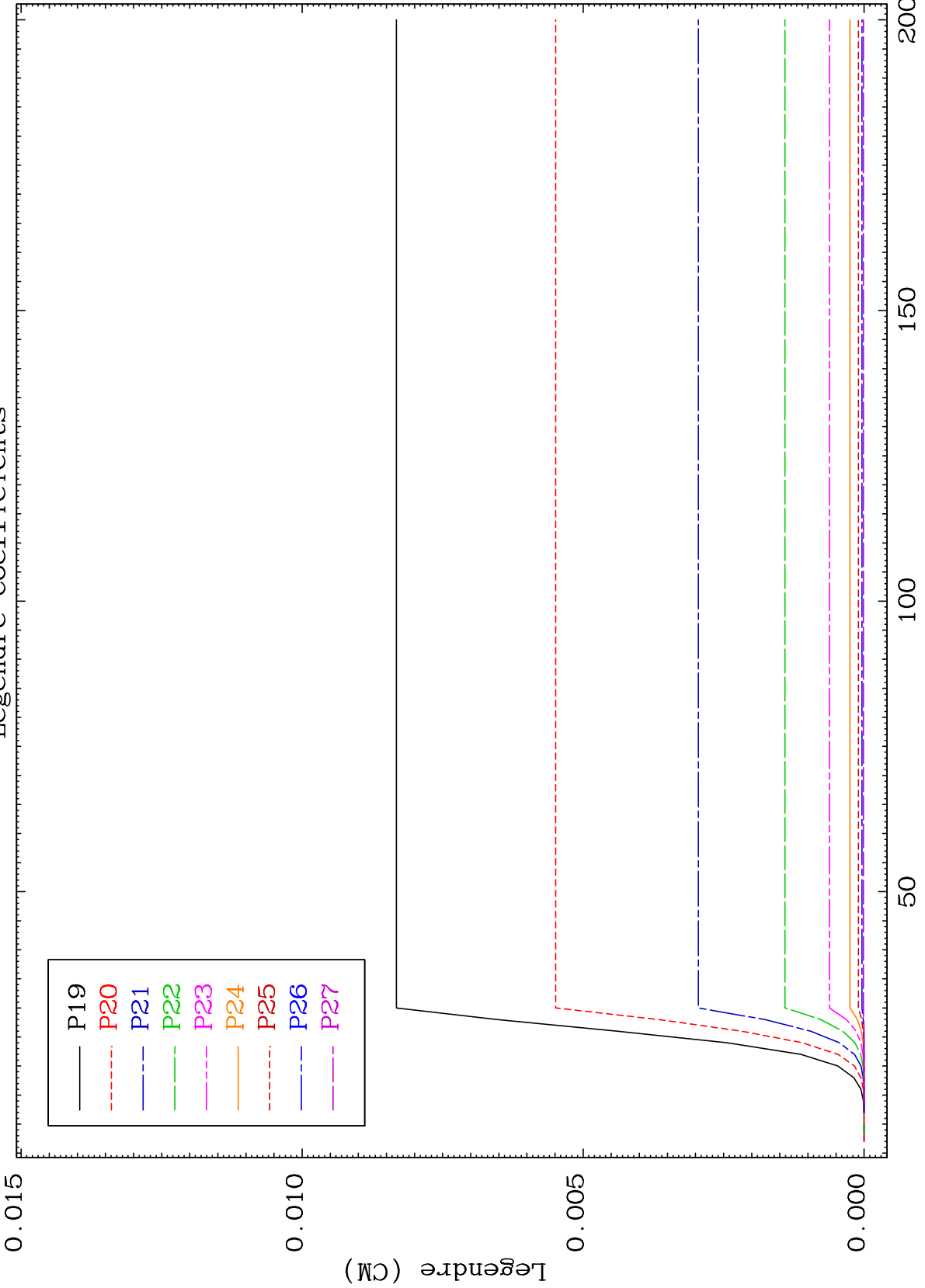
Incident Energy (MeV)

53-I -135

MAT 5349

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

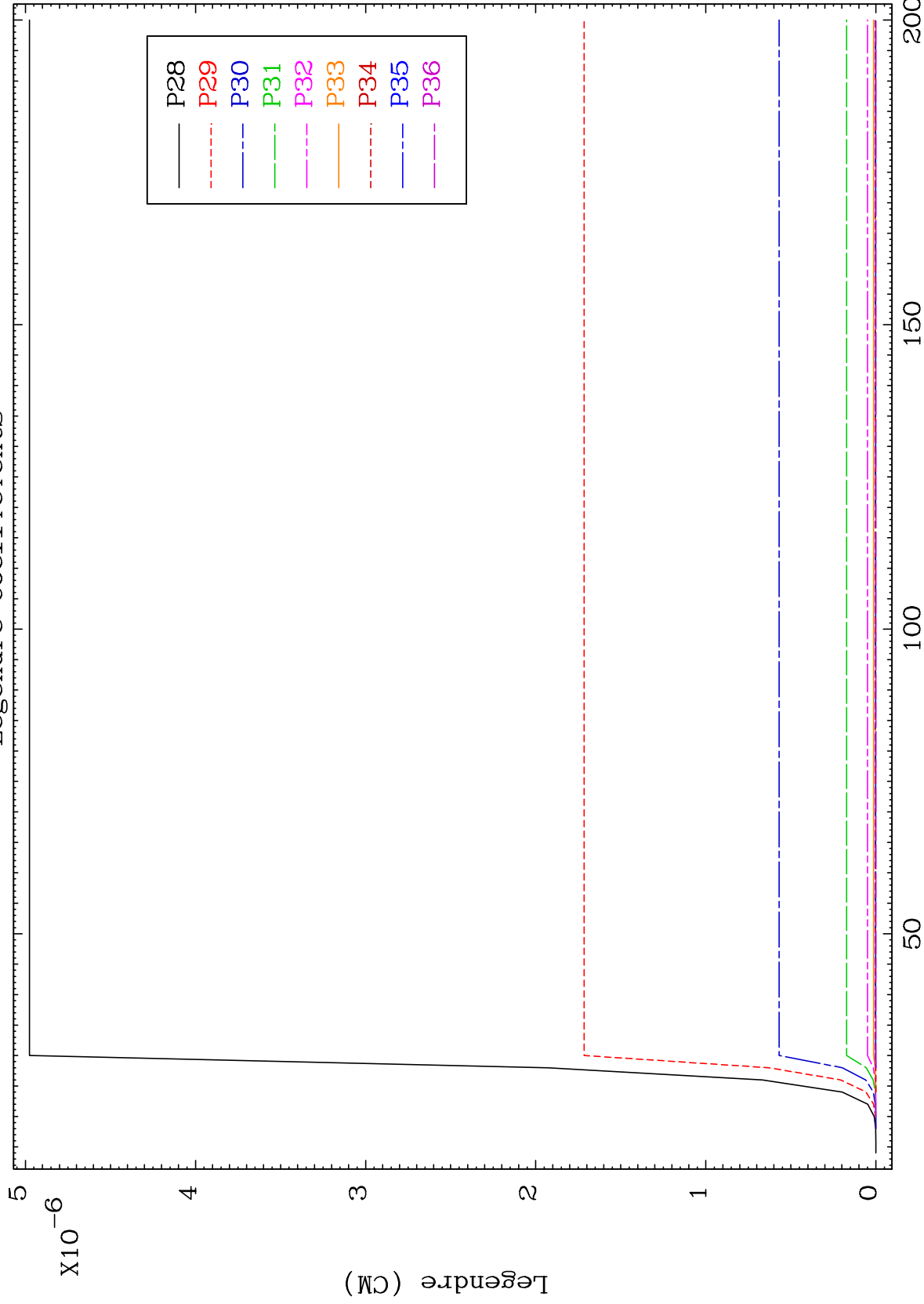
53-I -135



30

Incident Energy (MeV)

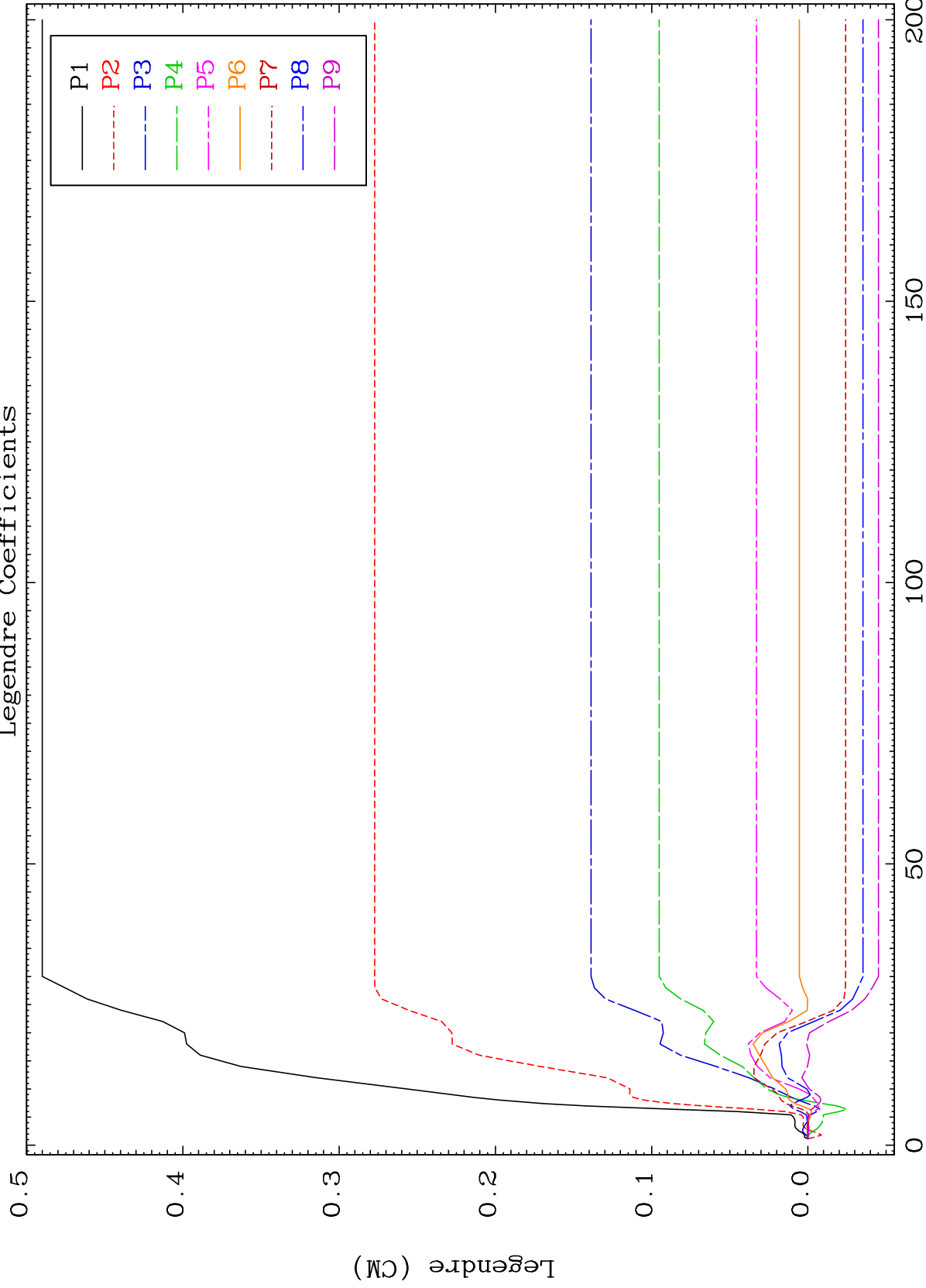
53-I -135



MAT 5349

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

53-I -135



32

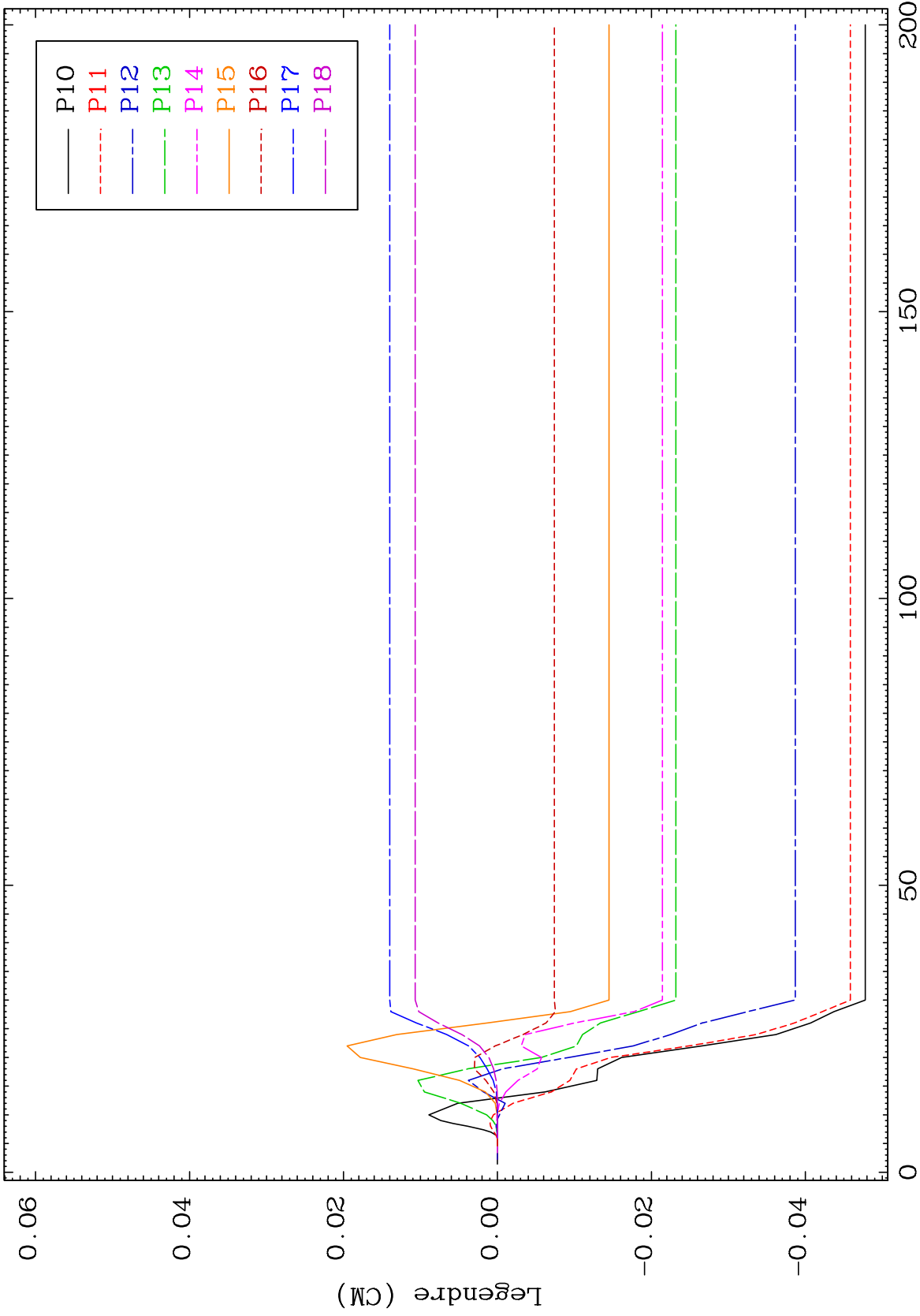
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



33

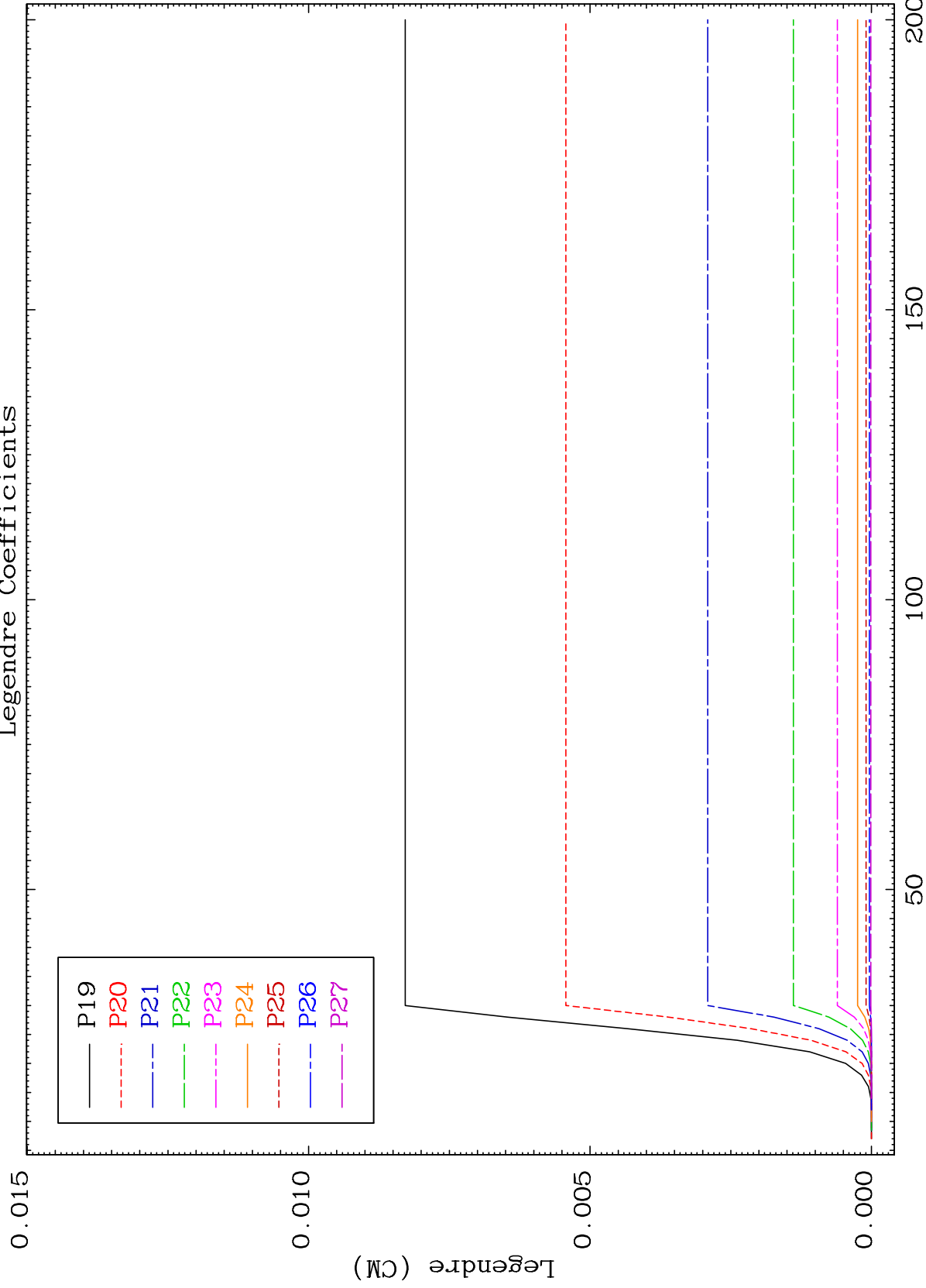
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



34

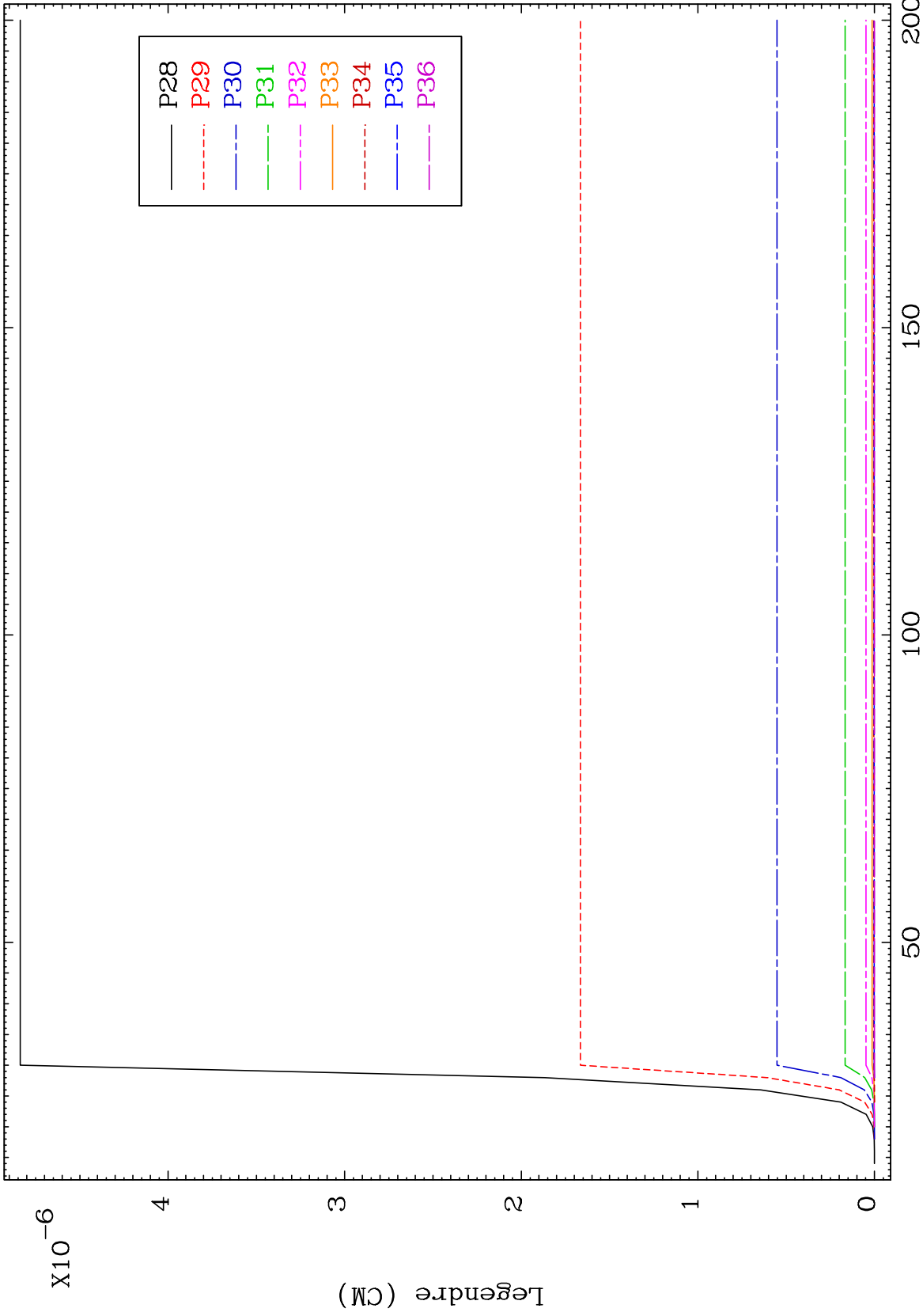
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



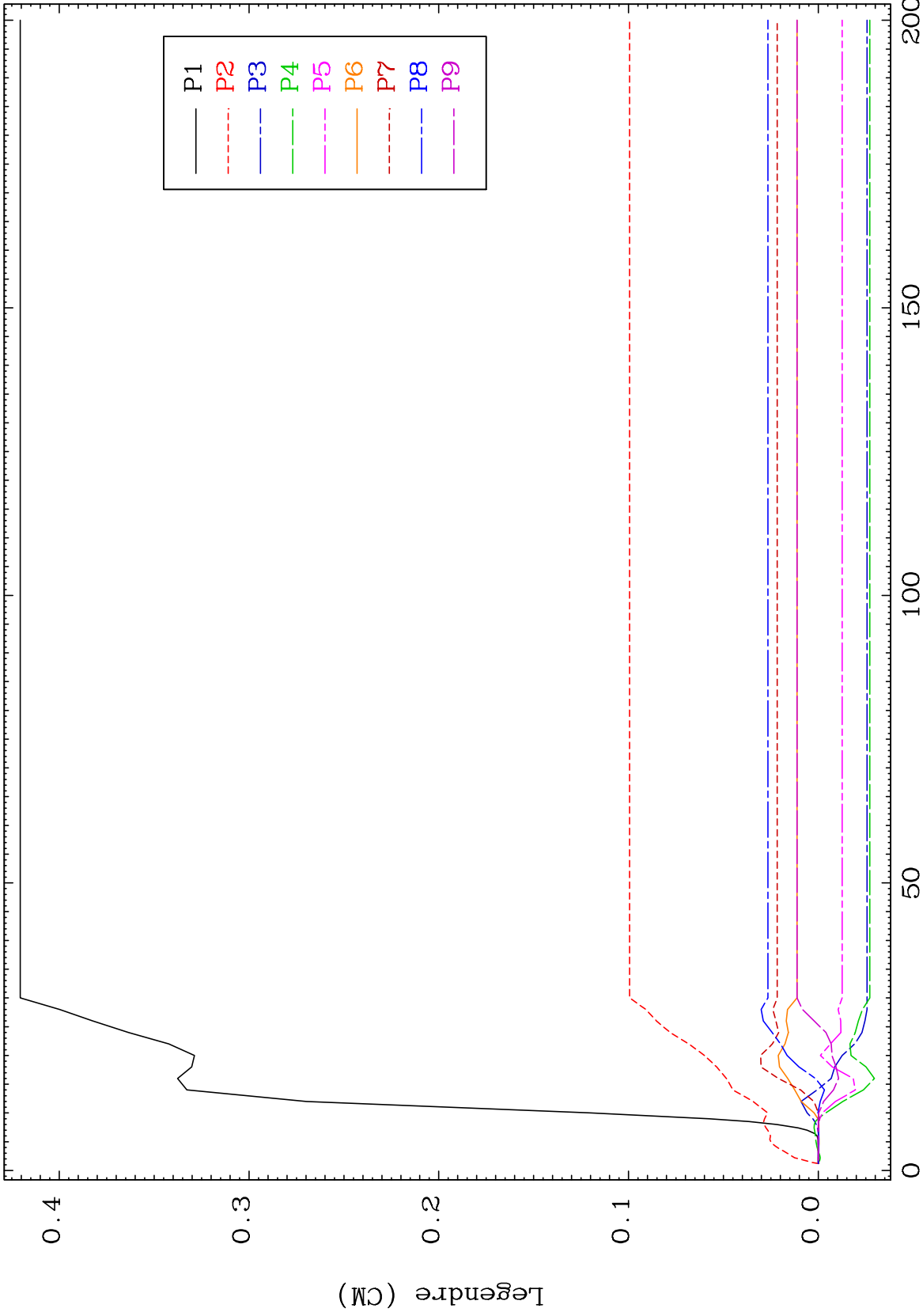
35

53-I -135

MAT 5349

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

53-I -135



36

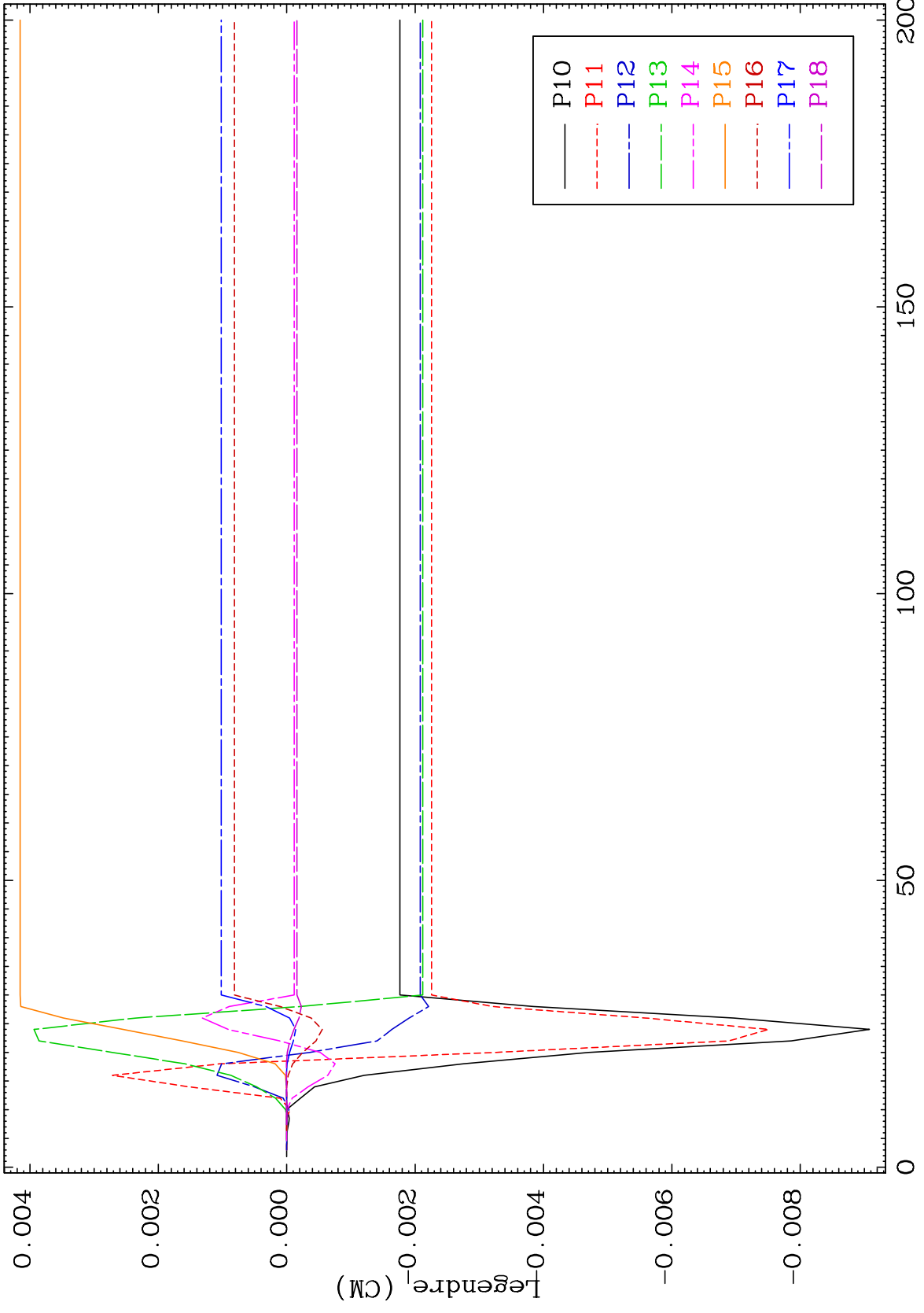
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



37

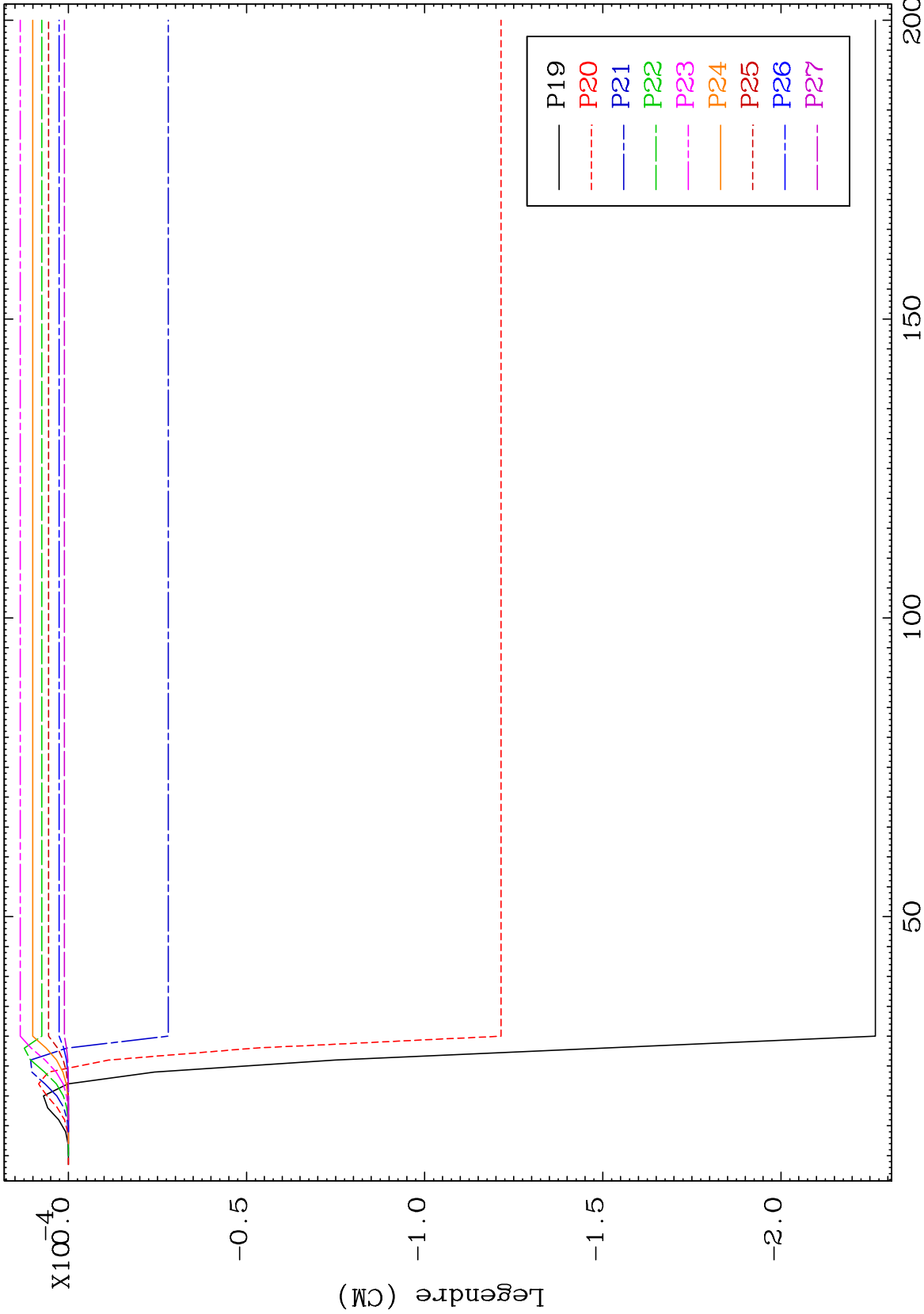
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



38

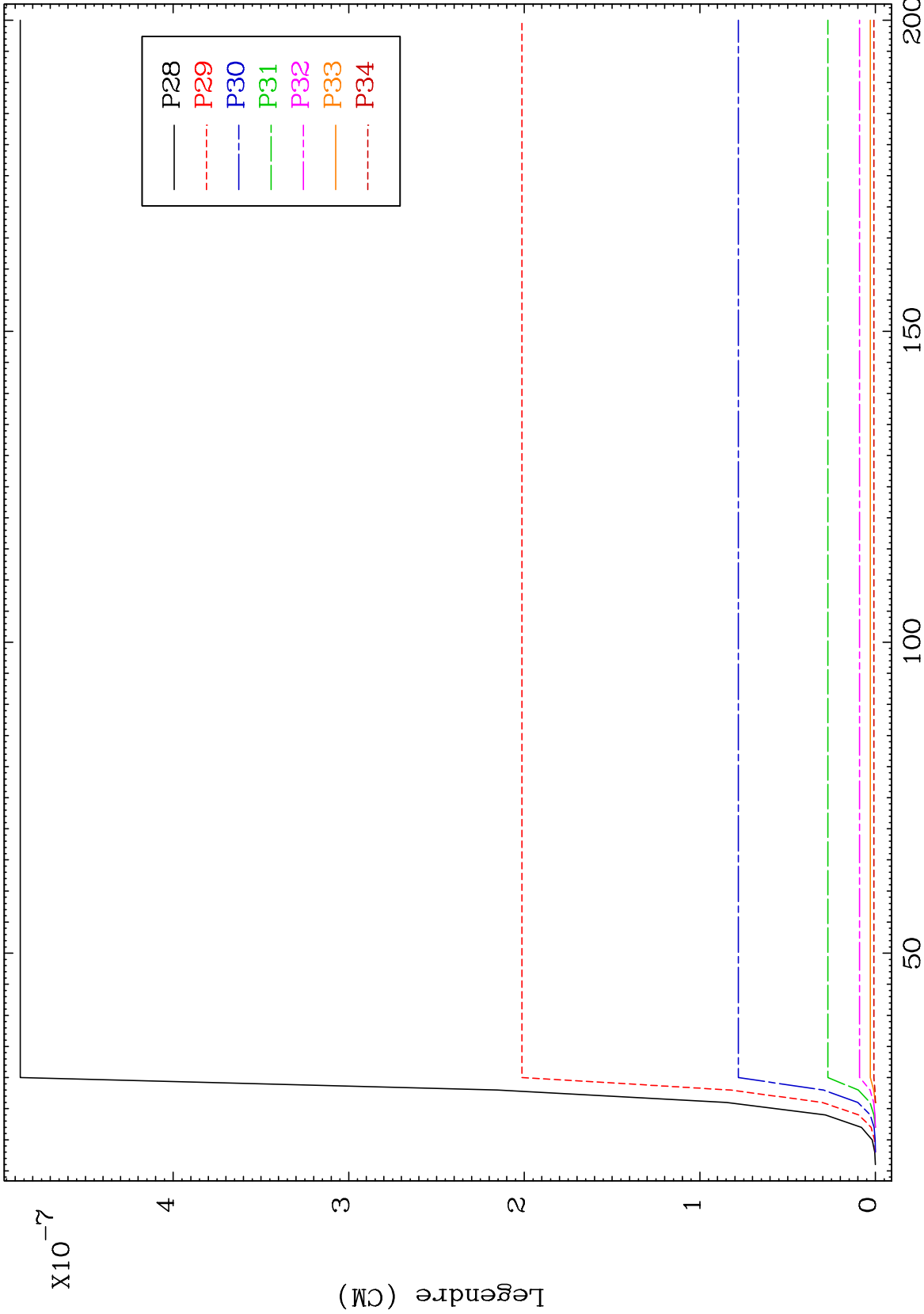
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



39

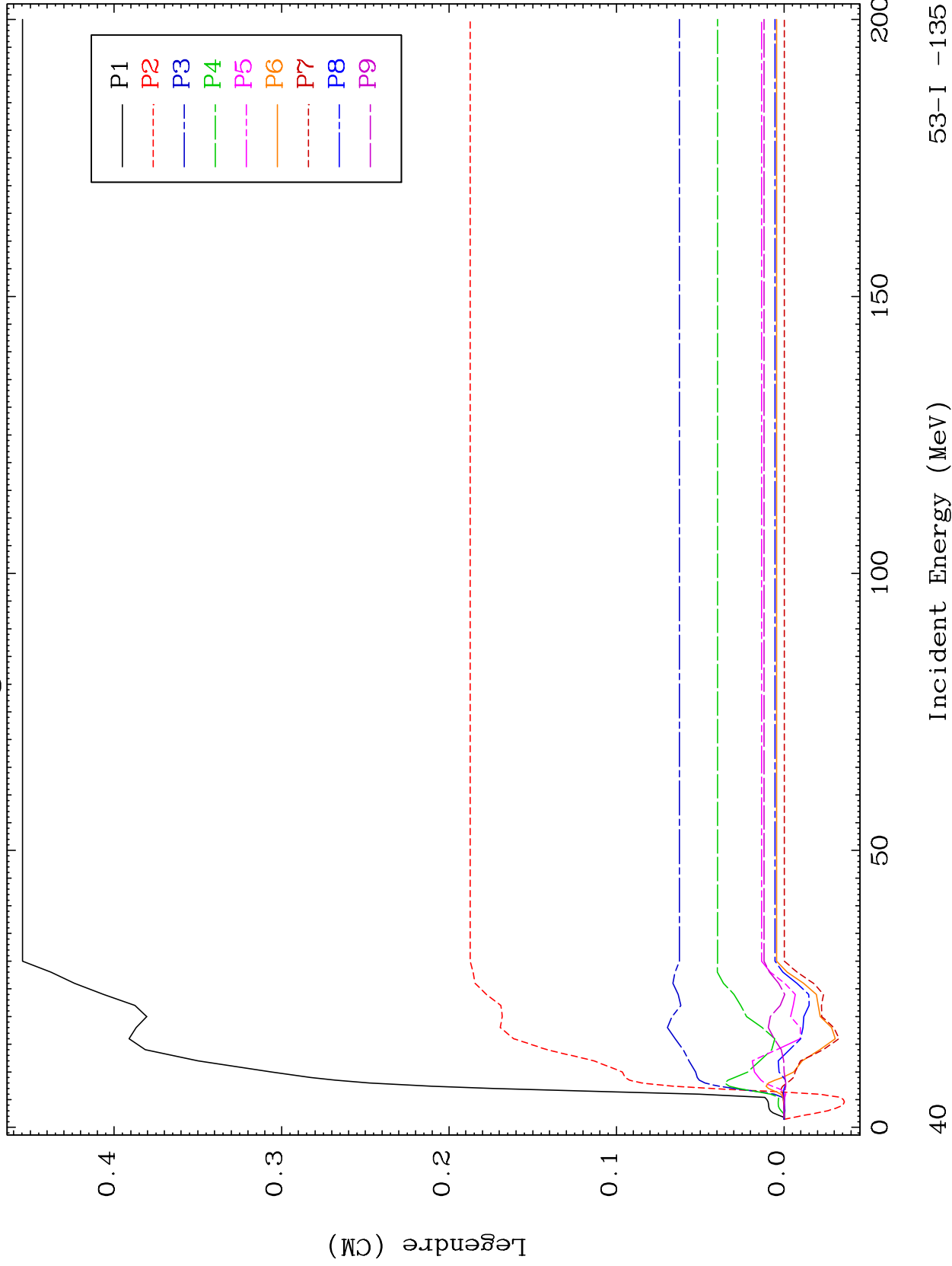
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135

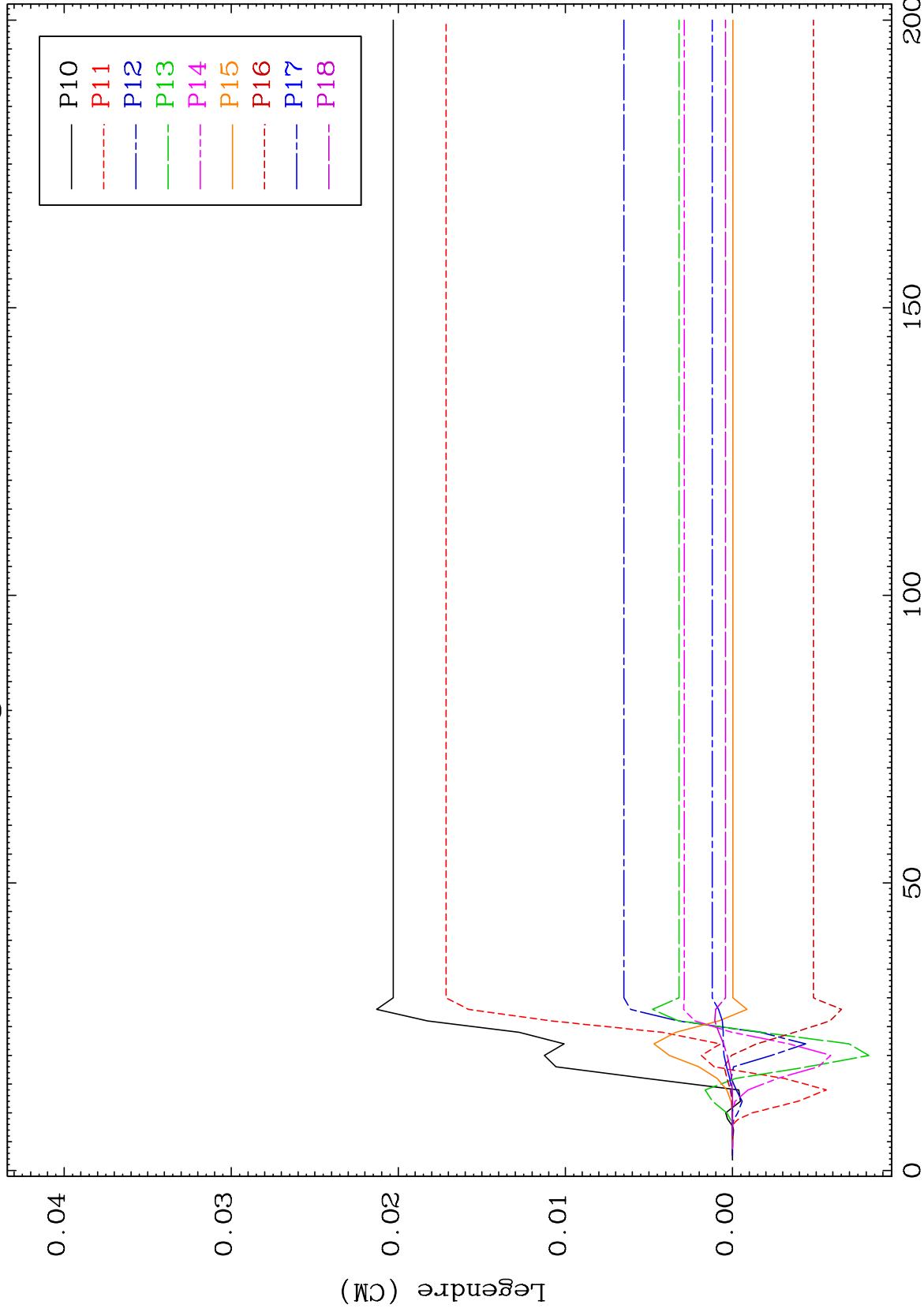


53-I -135

MAT 5349

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

53-I -135



41

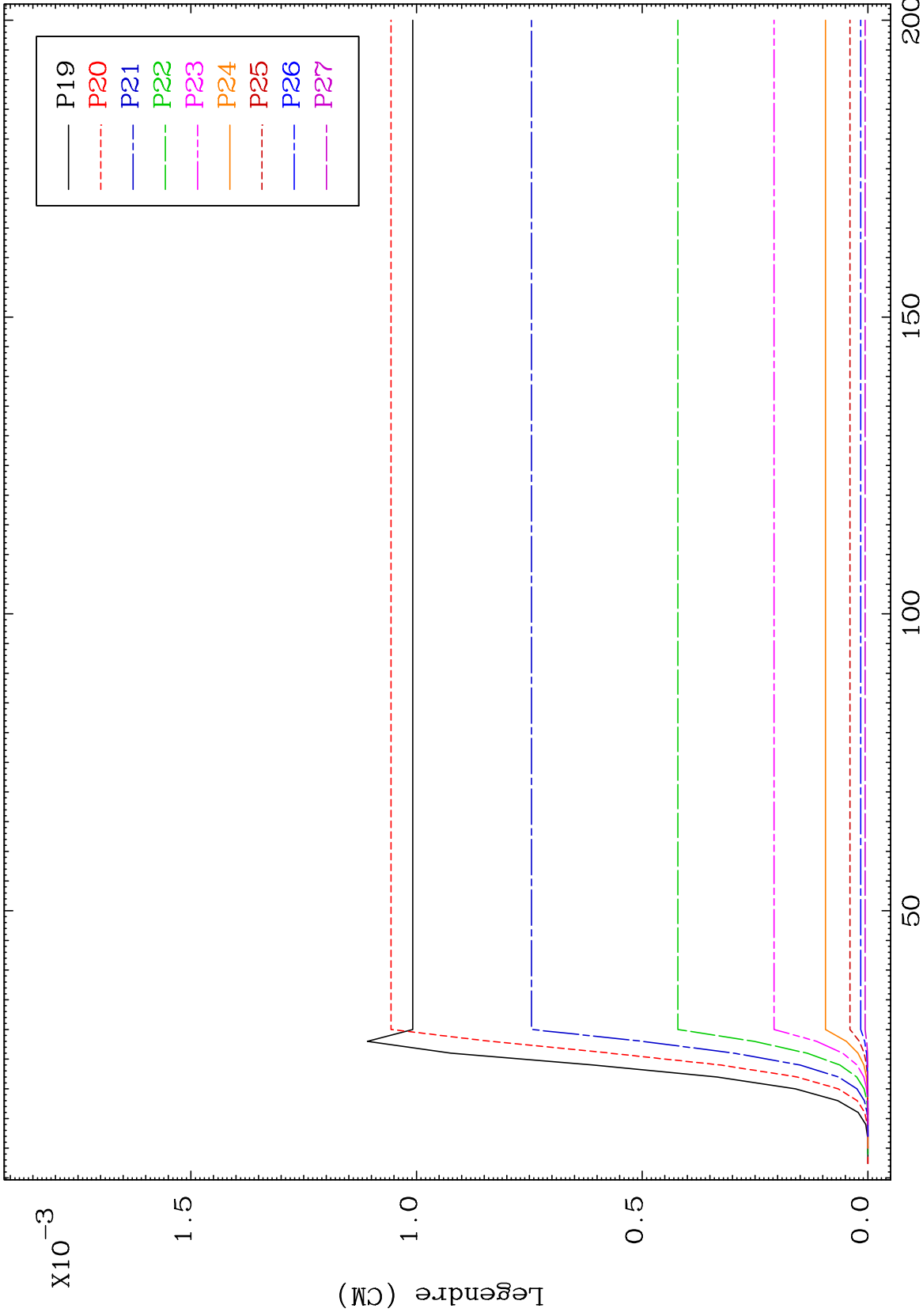
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



42

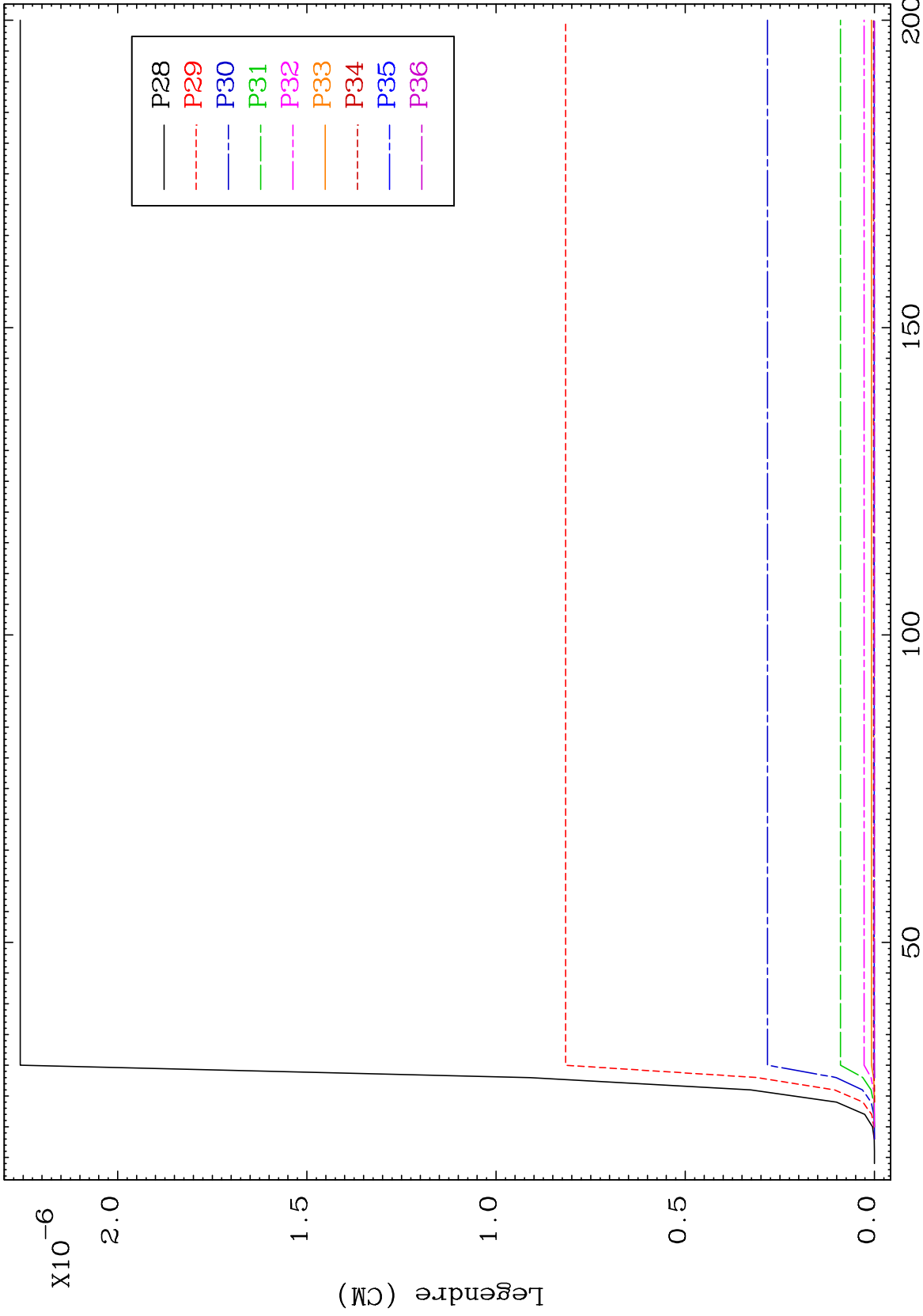
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



43

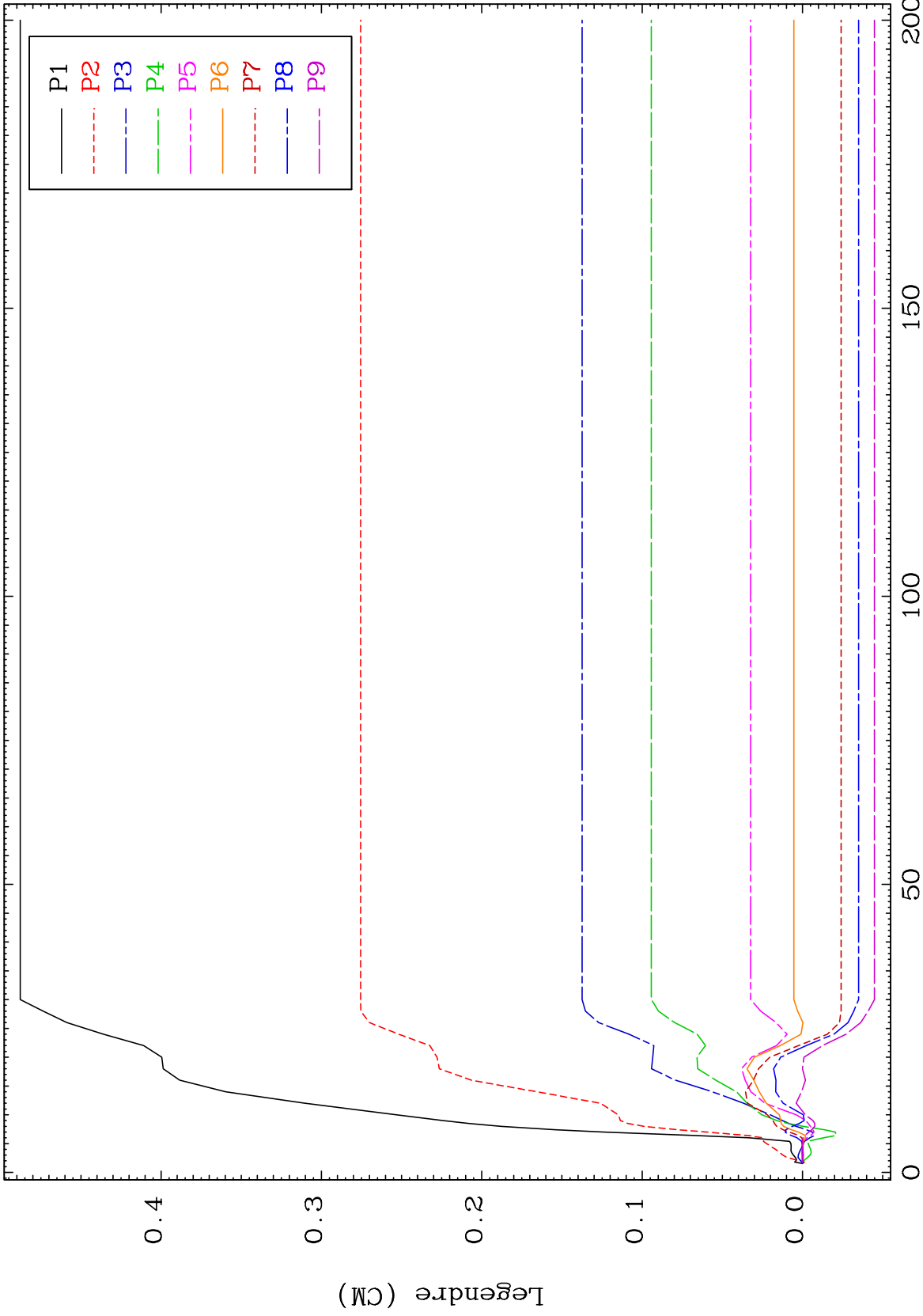
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



44

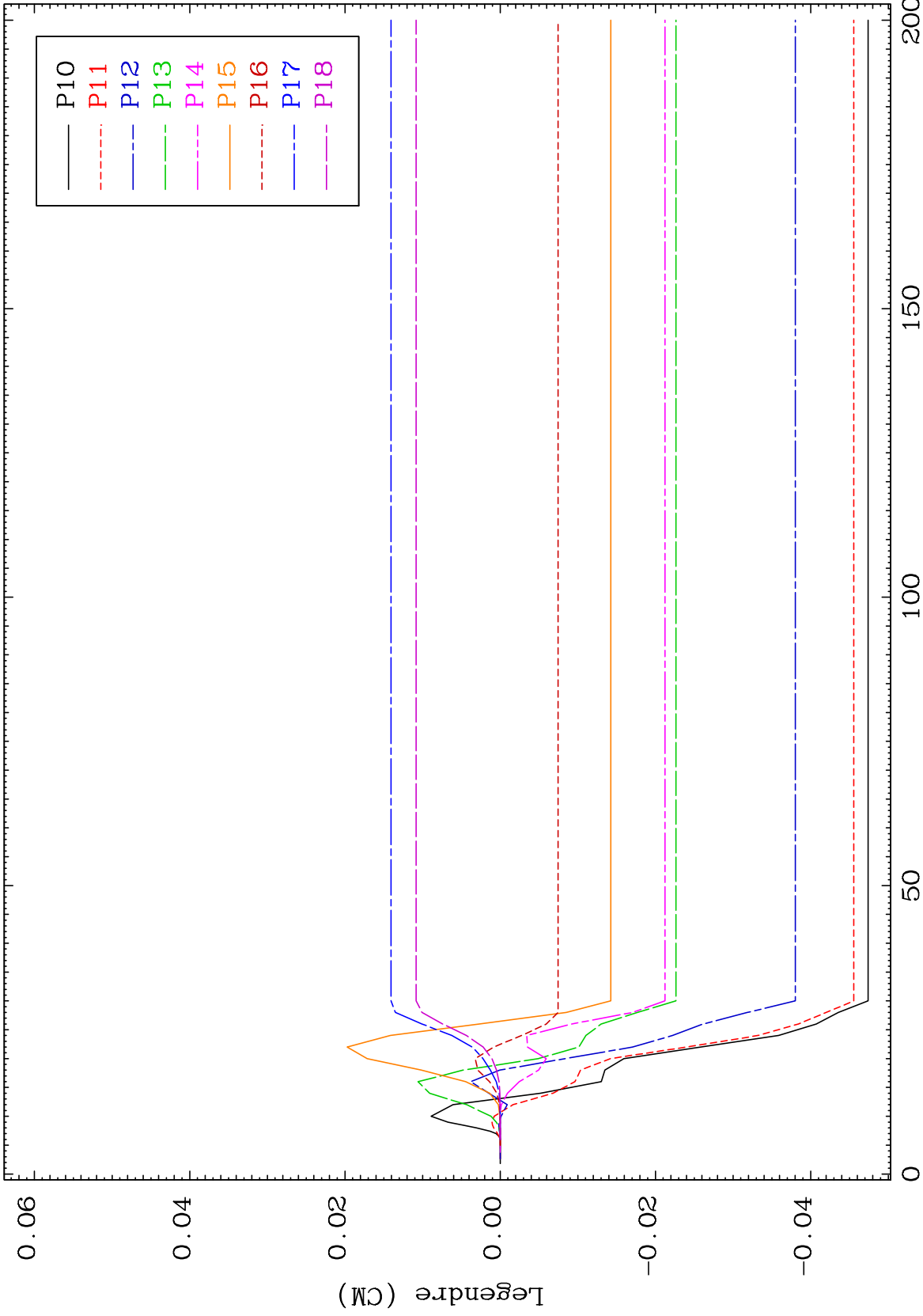
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



45

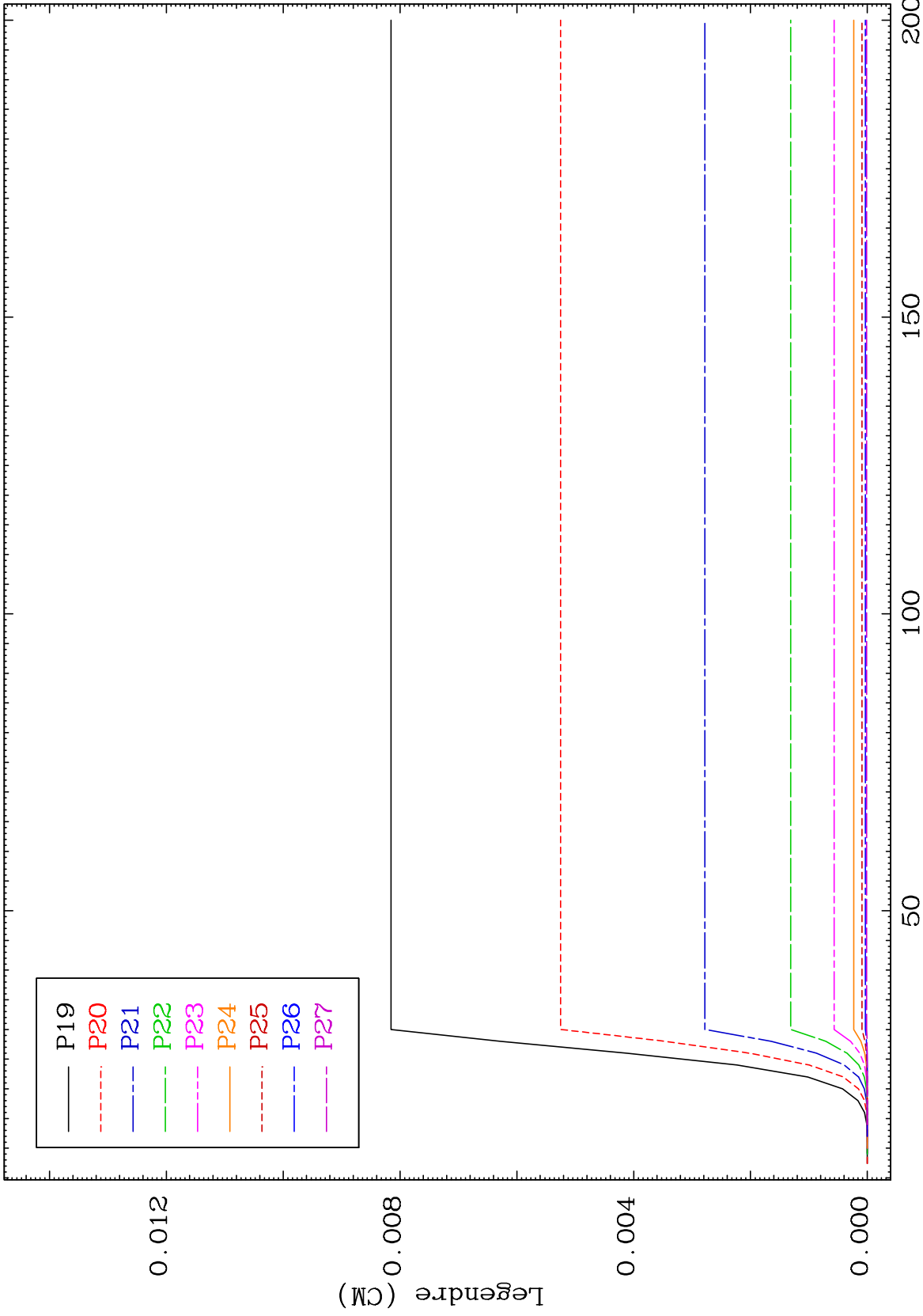
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



46

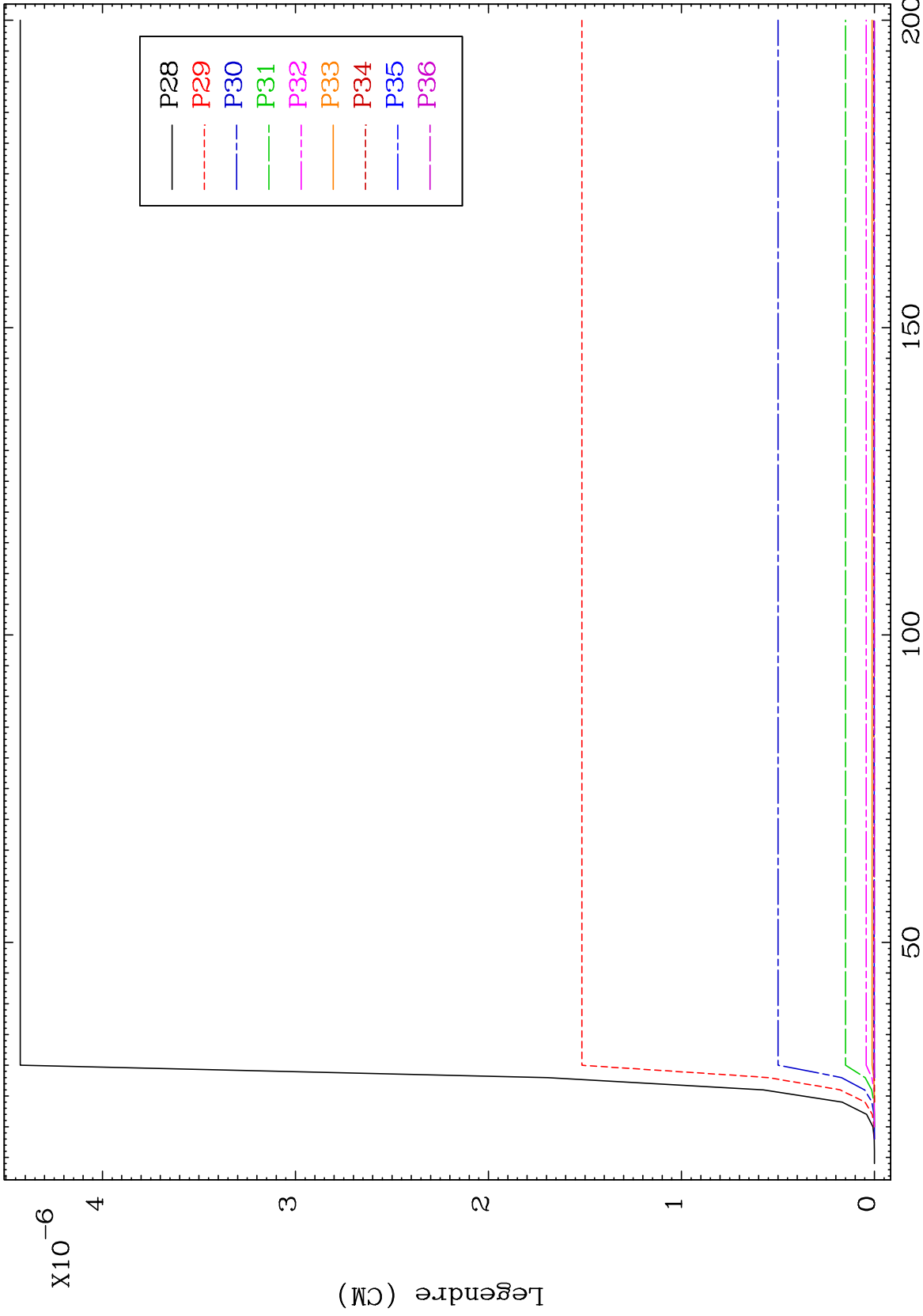
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



47

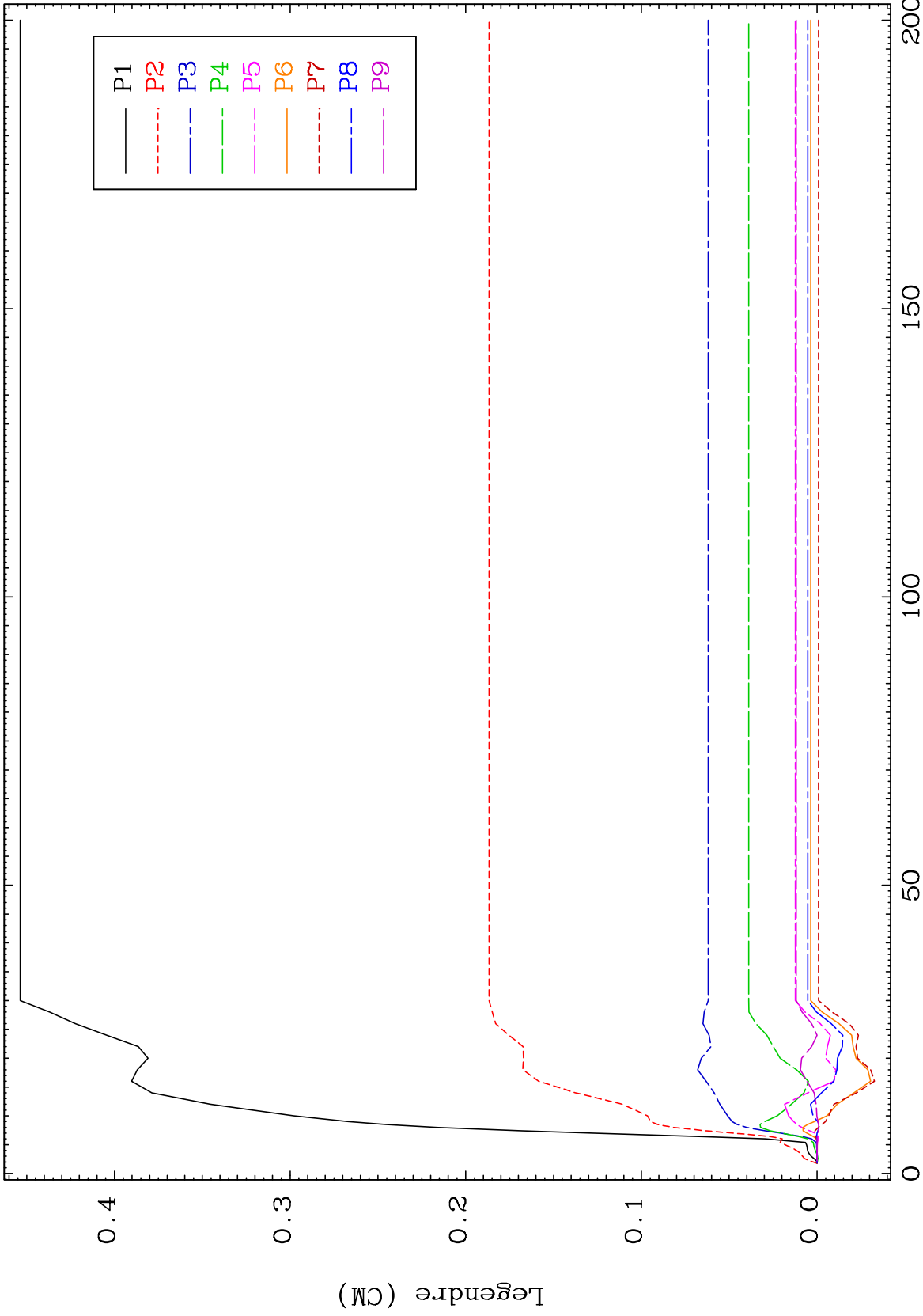
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



48

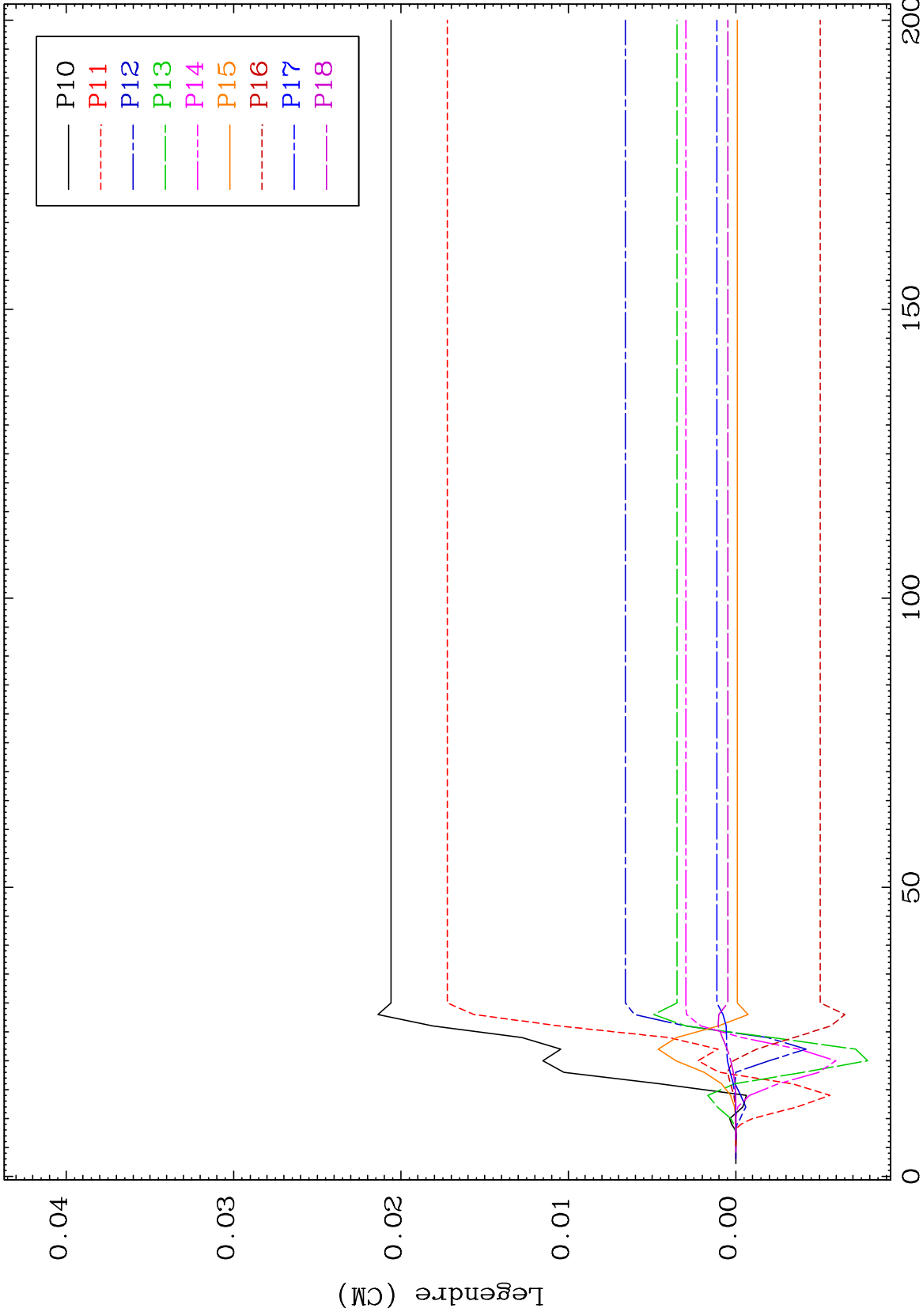
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



49

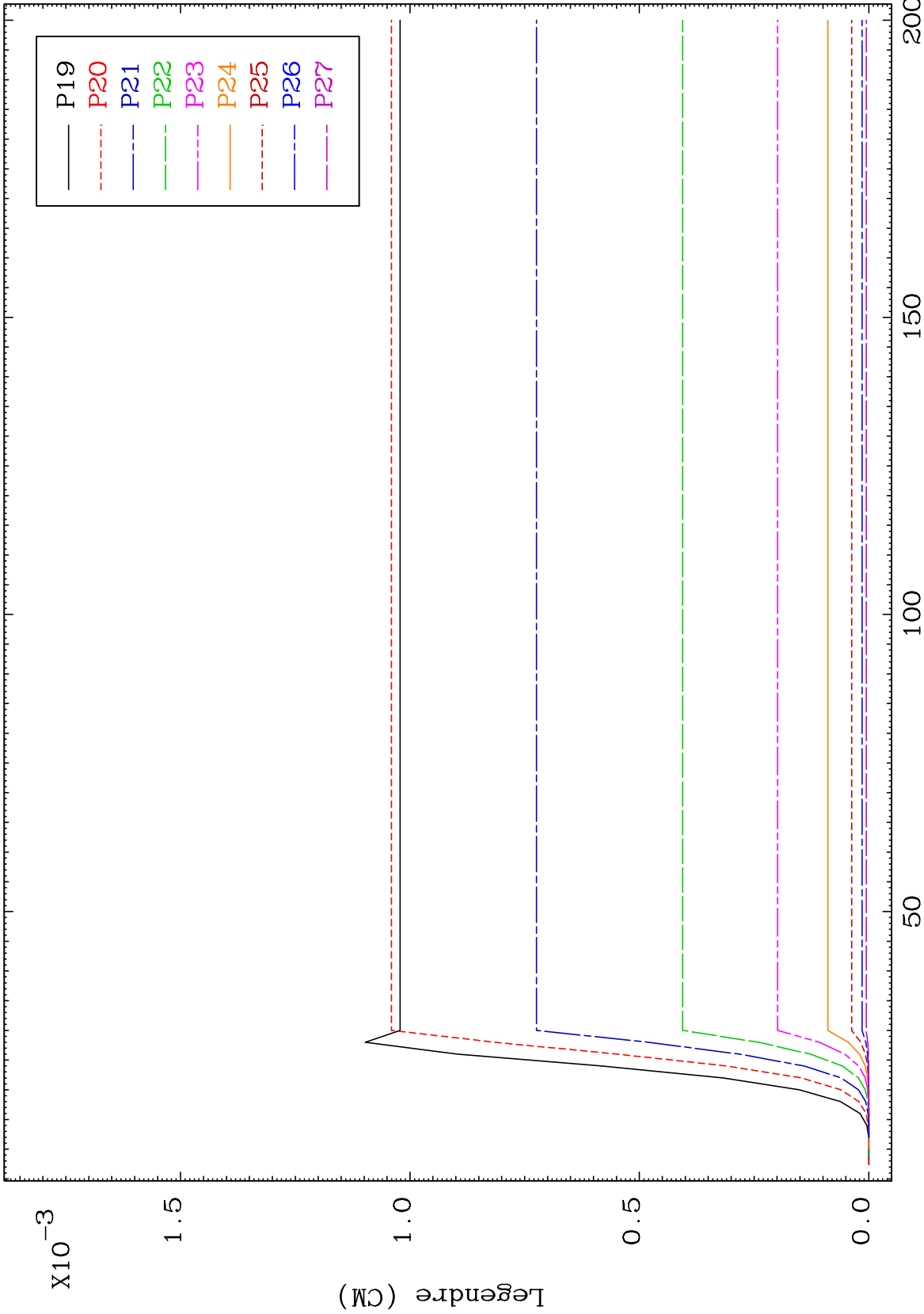
Incident Energy (MeV)

53-I -135

MAT 5349

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

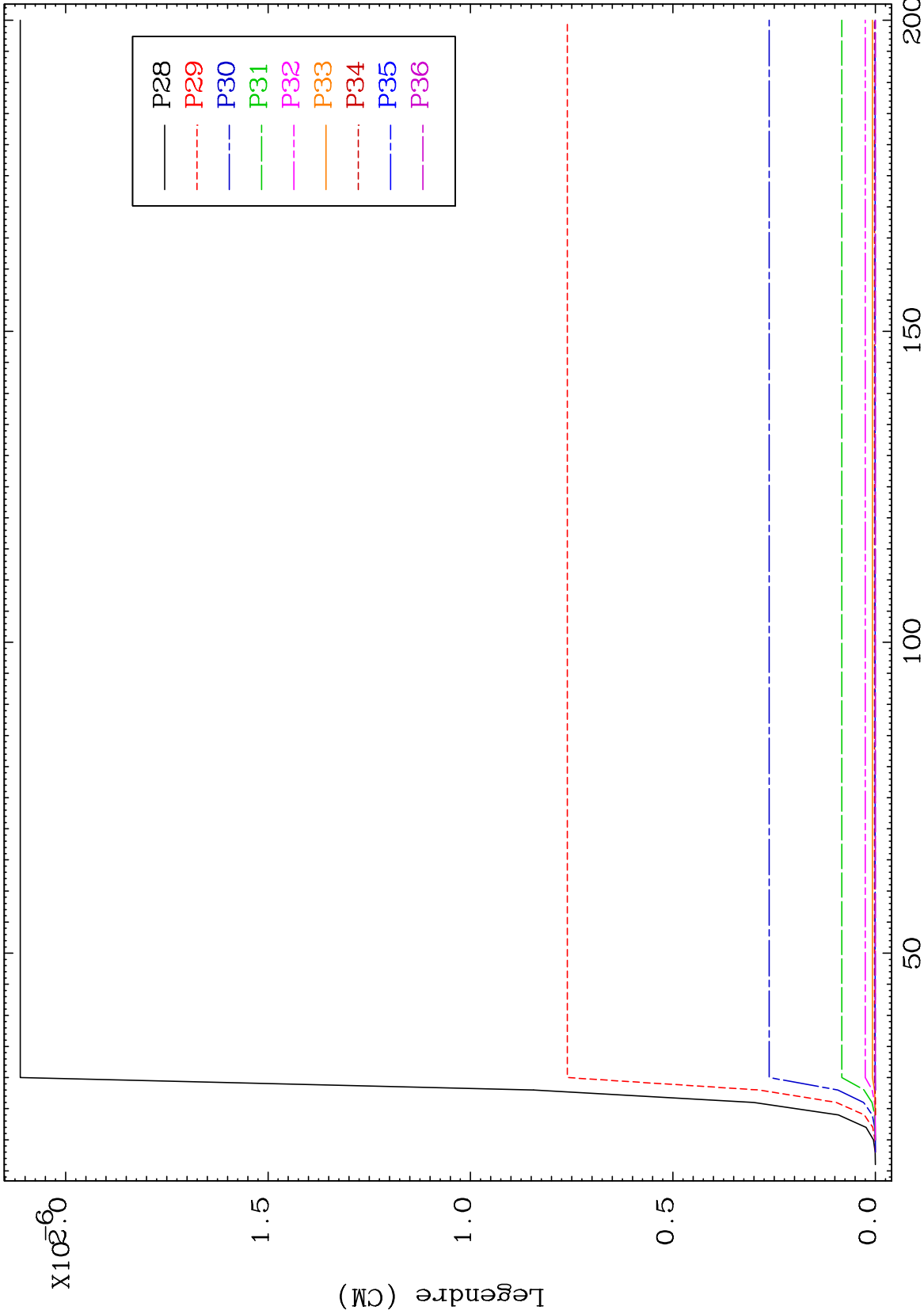
53-I -135



50

Incident Energy (MeV)

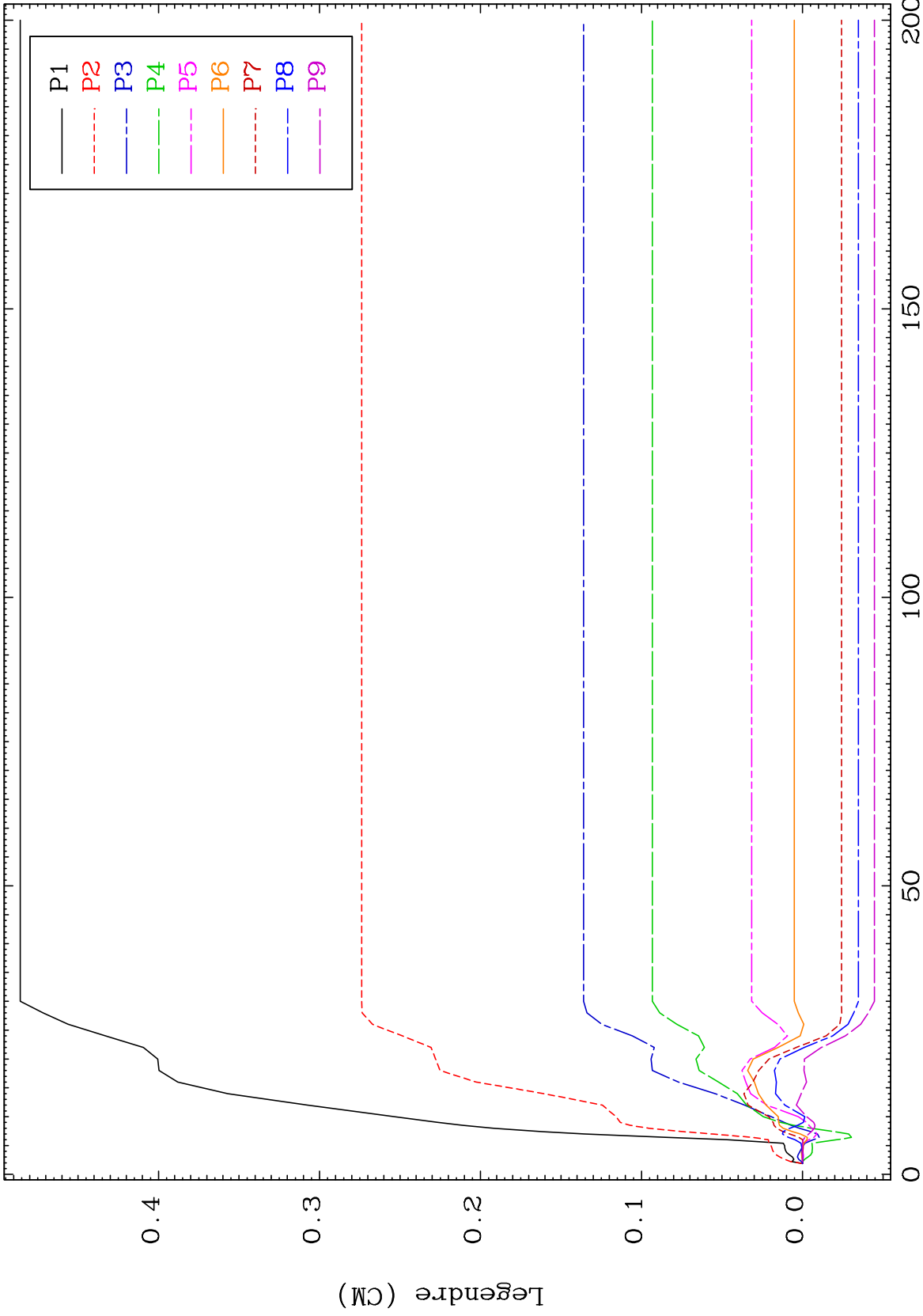
53-I -135



MAT 5349

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

53-I -135



52

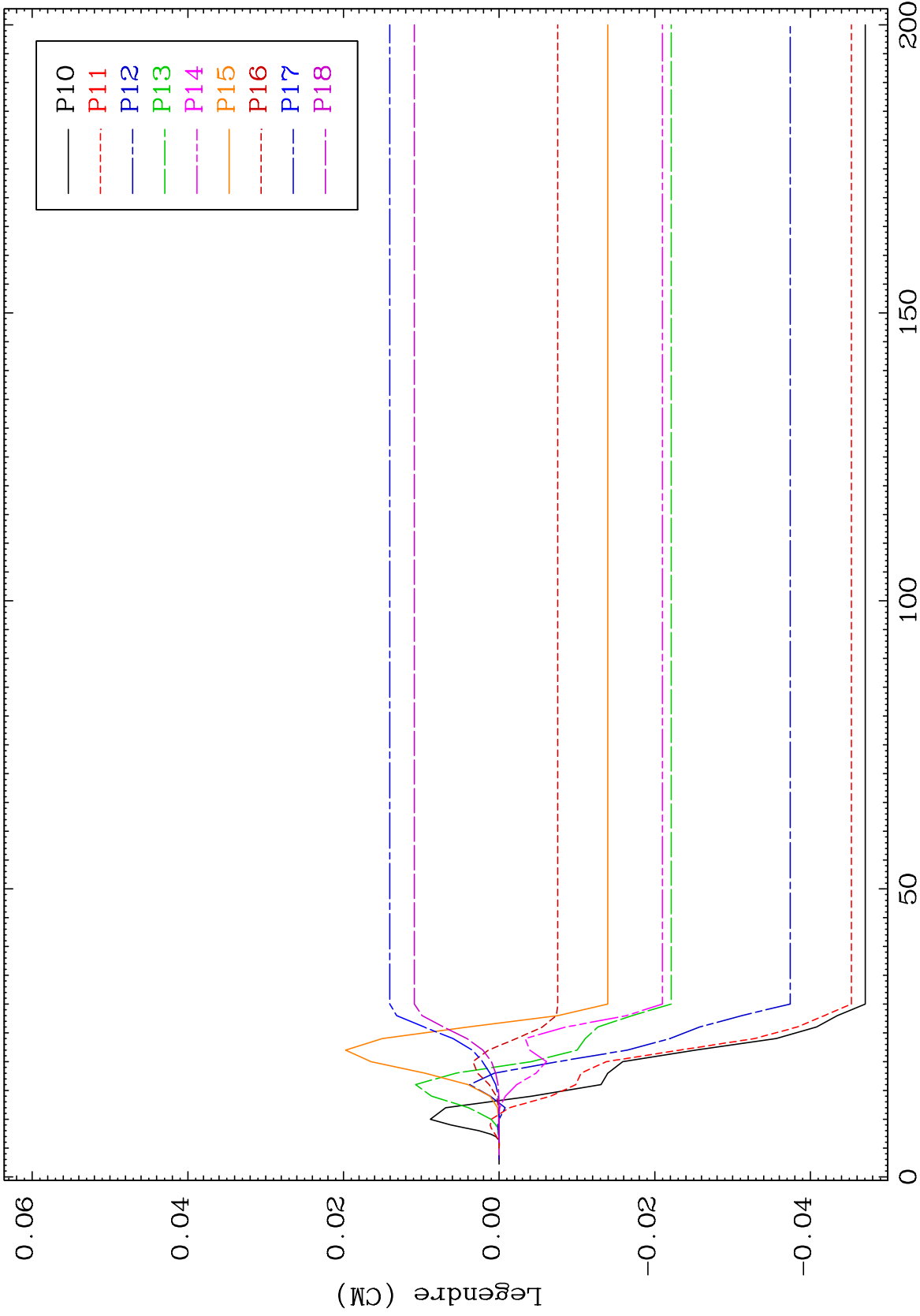
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



53

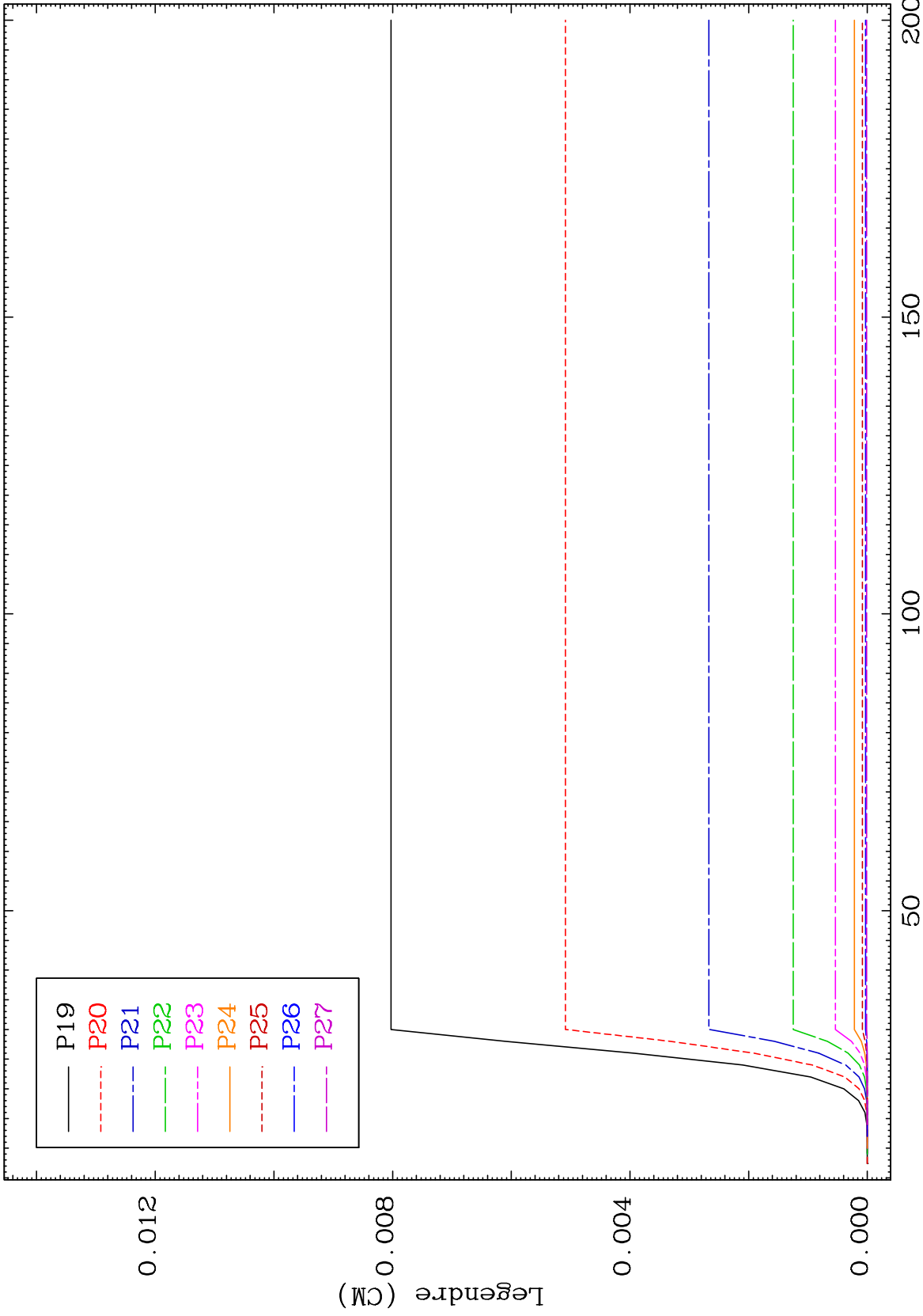
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



54

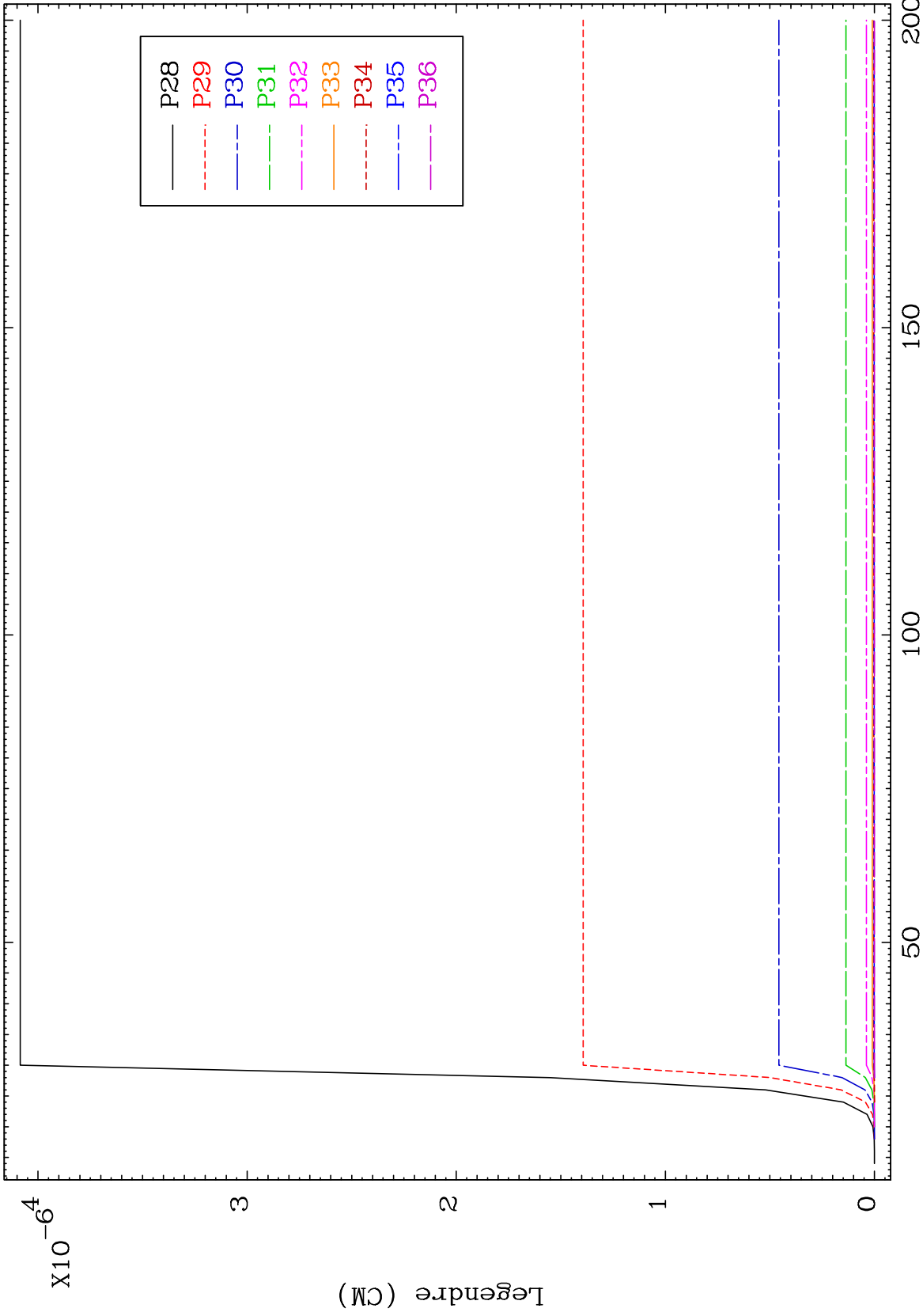
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



55

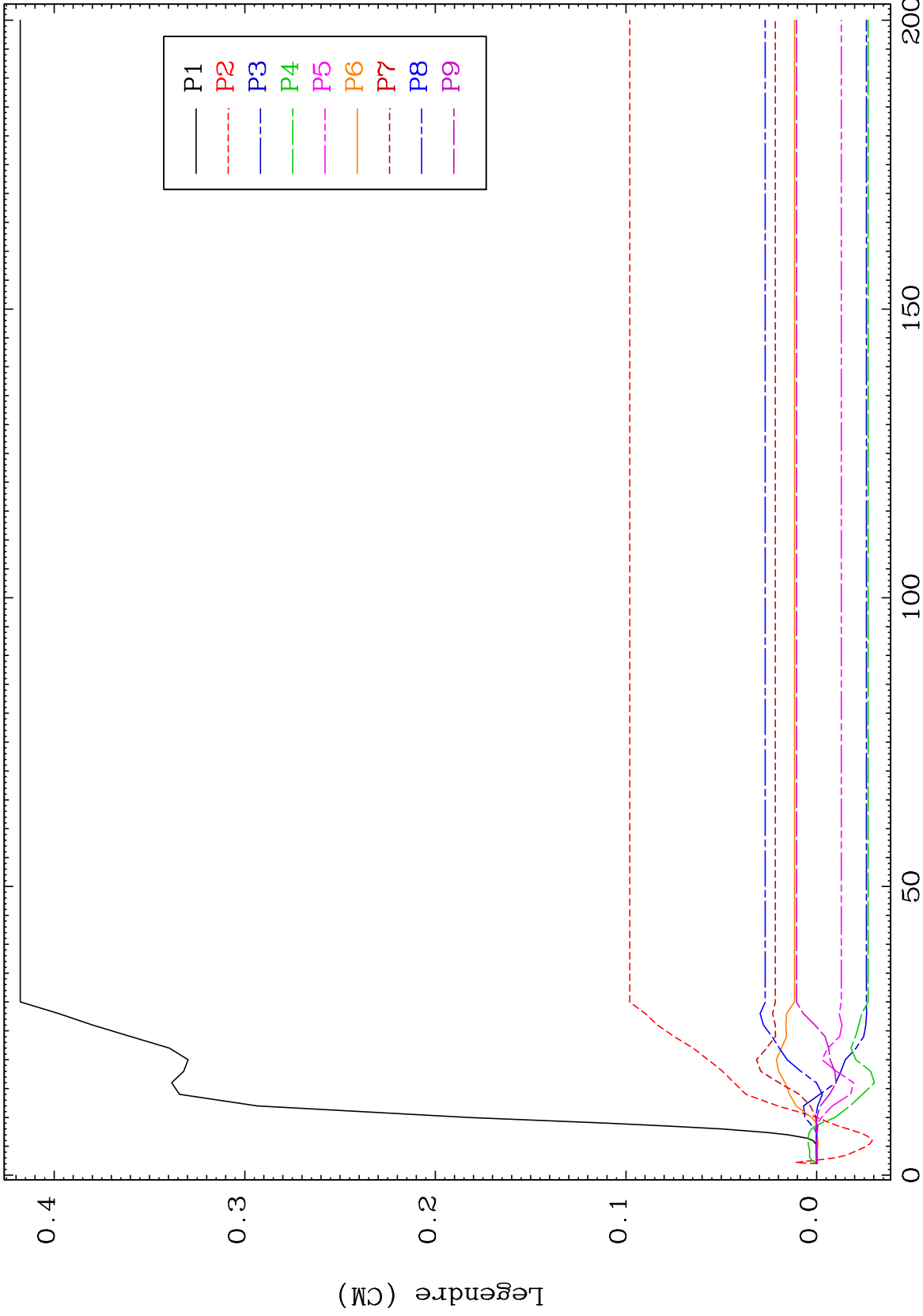
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



56

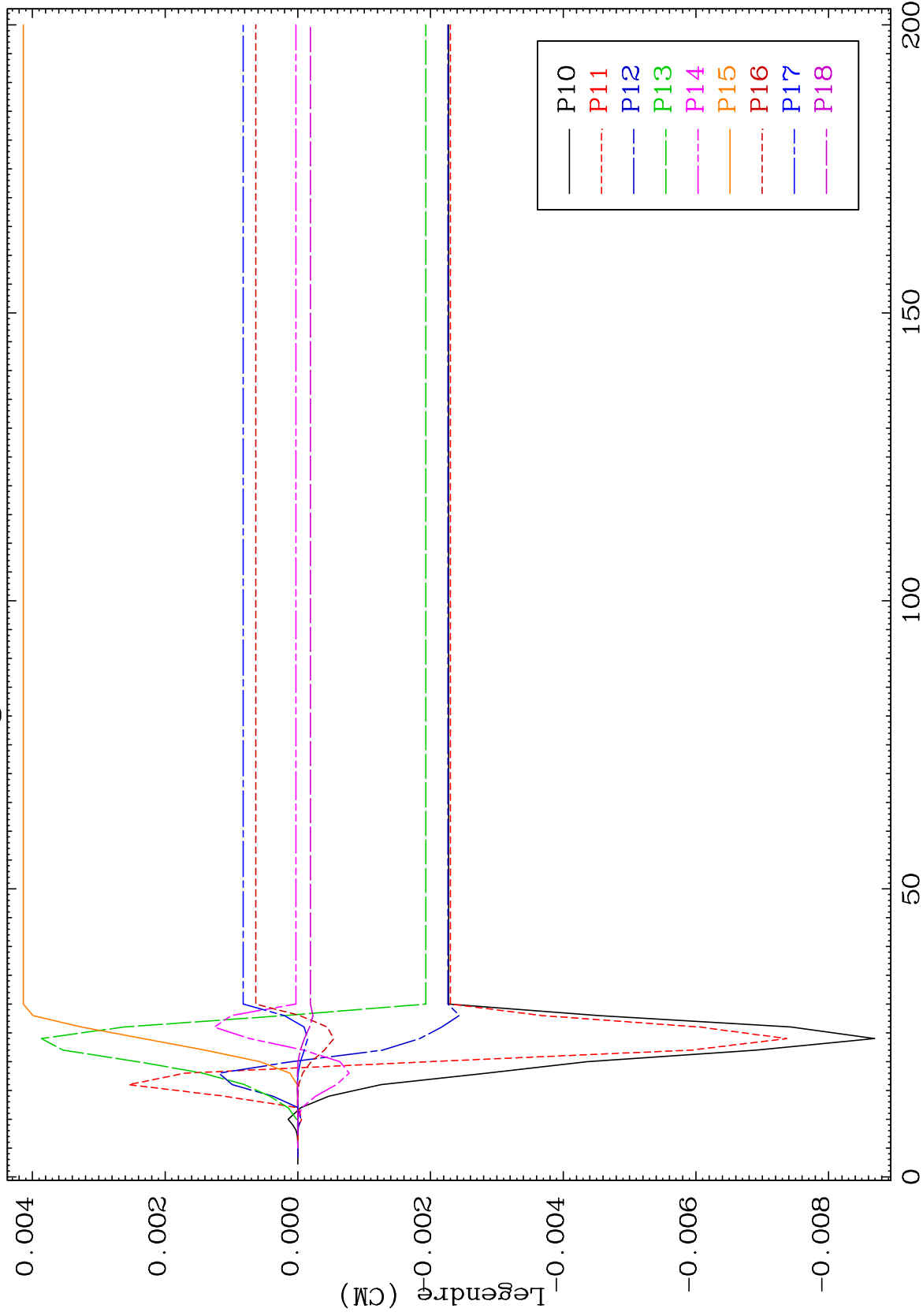
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



57

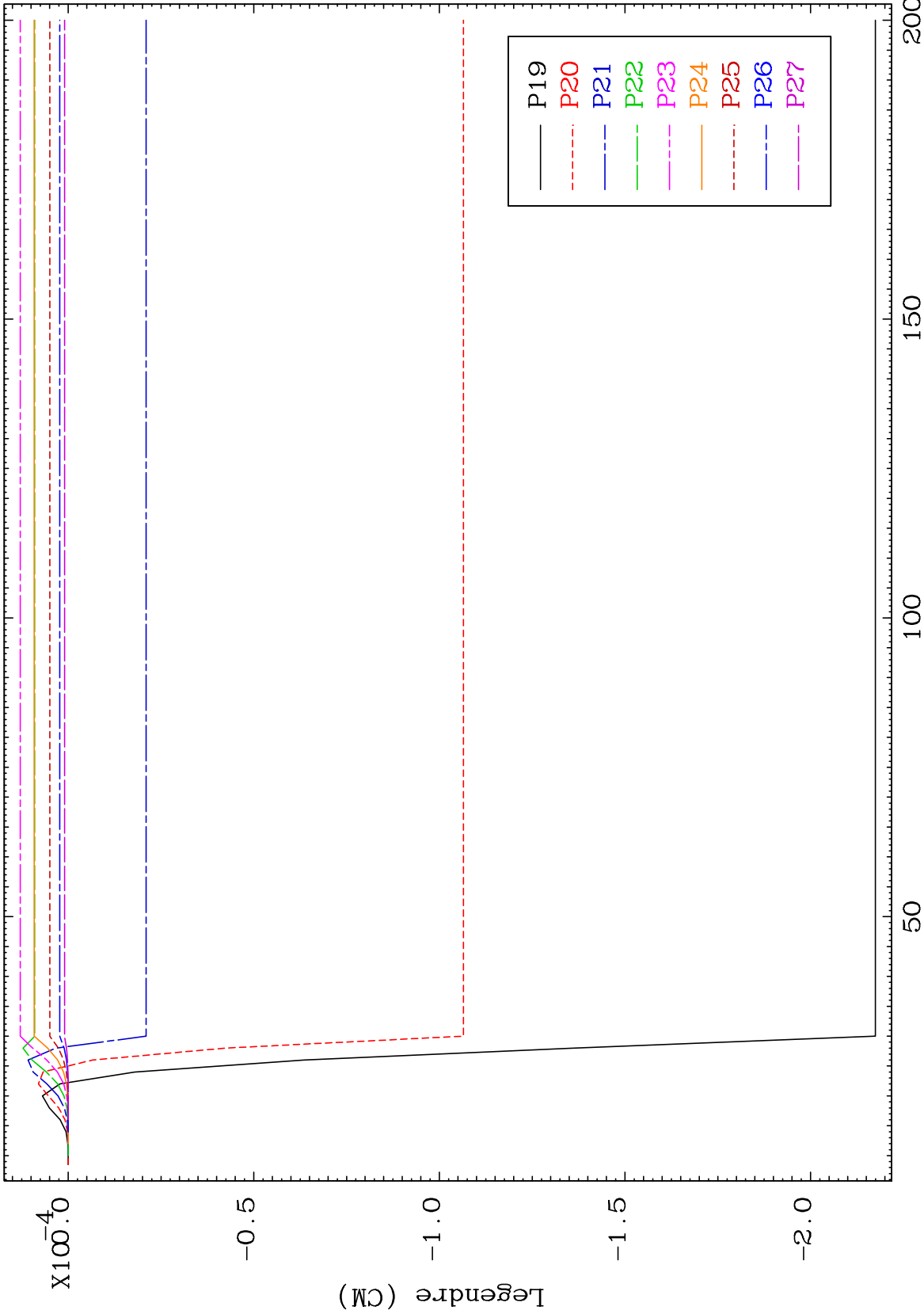
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



58

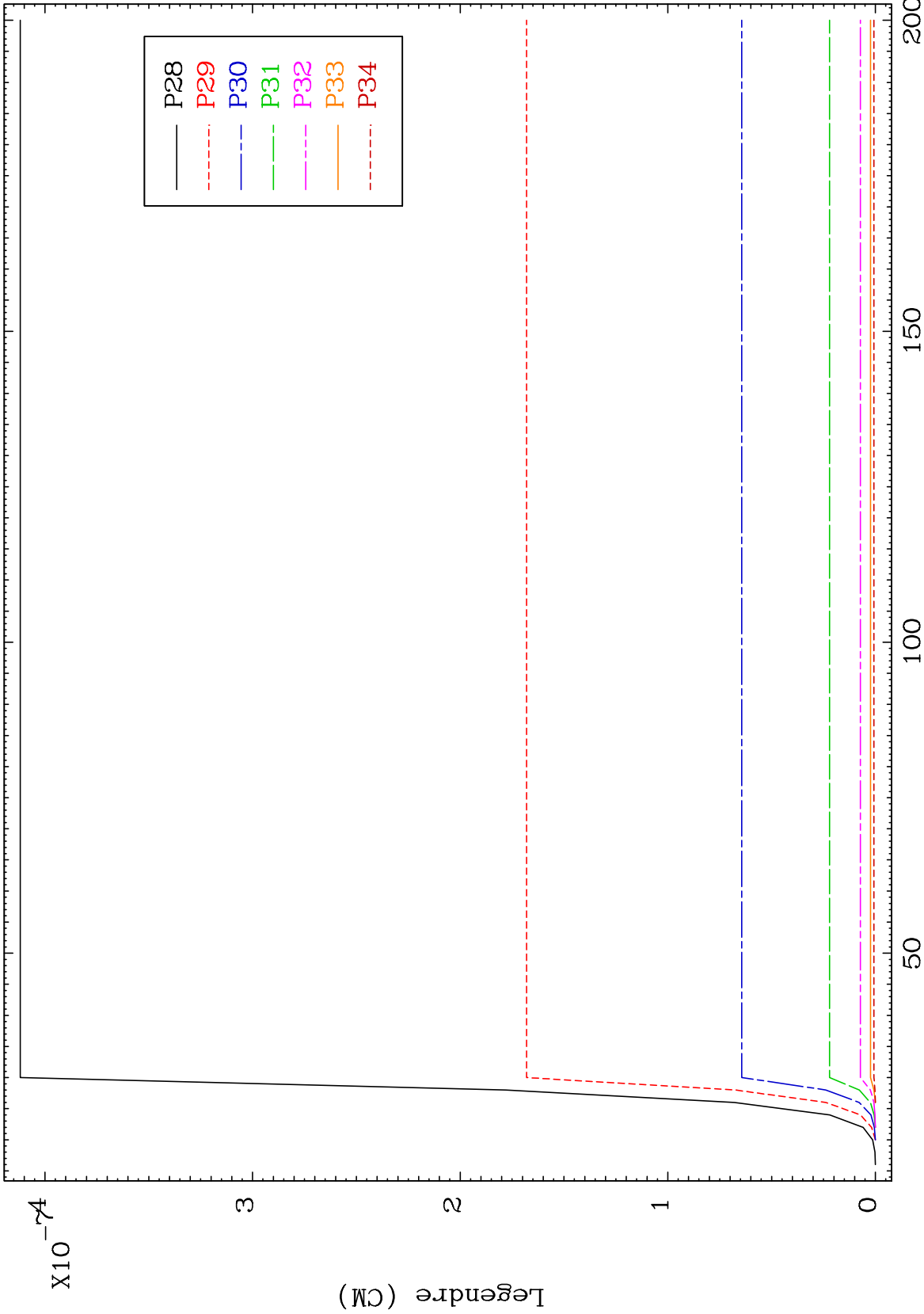
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



59

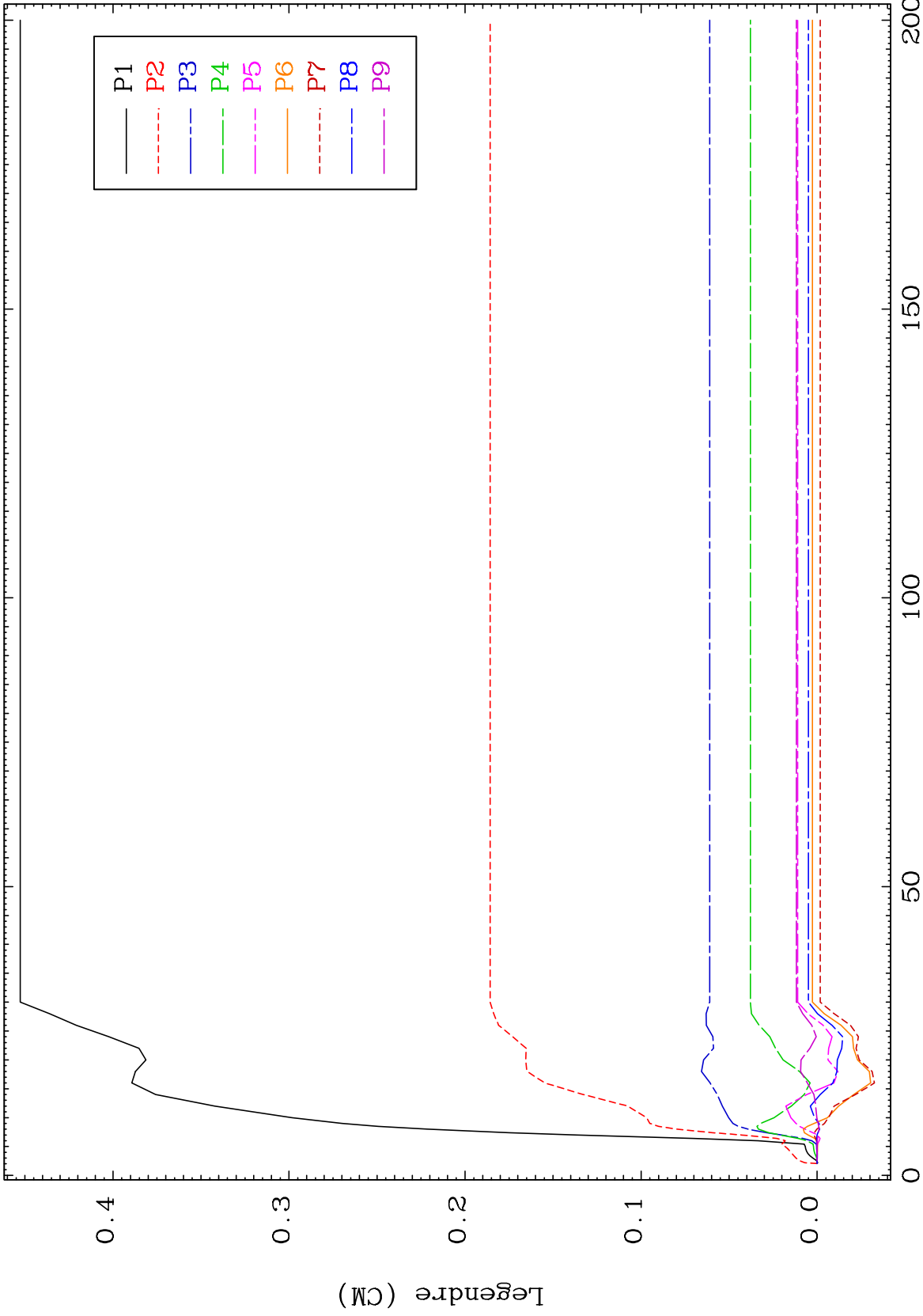
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



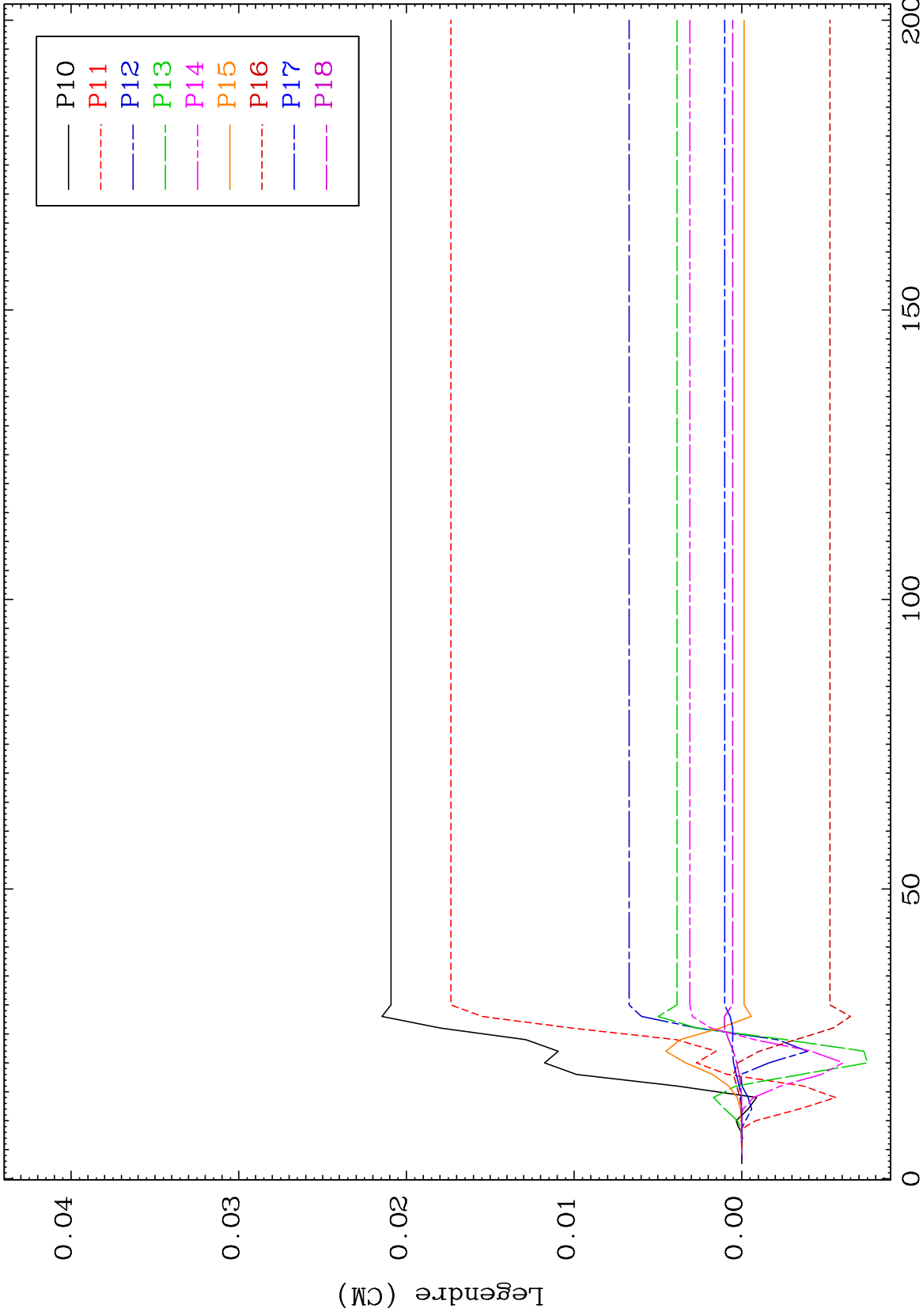
53-I -135

Incident Energy (MeV)

MAT 5349

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

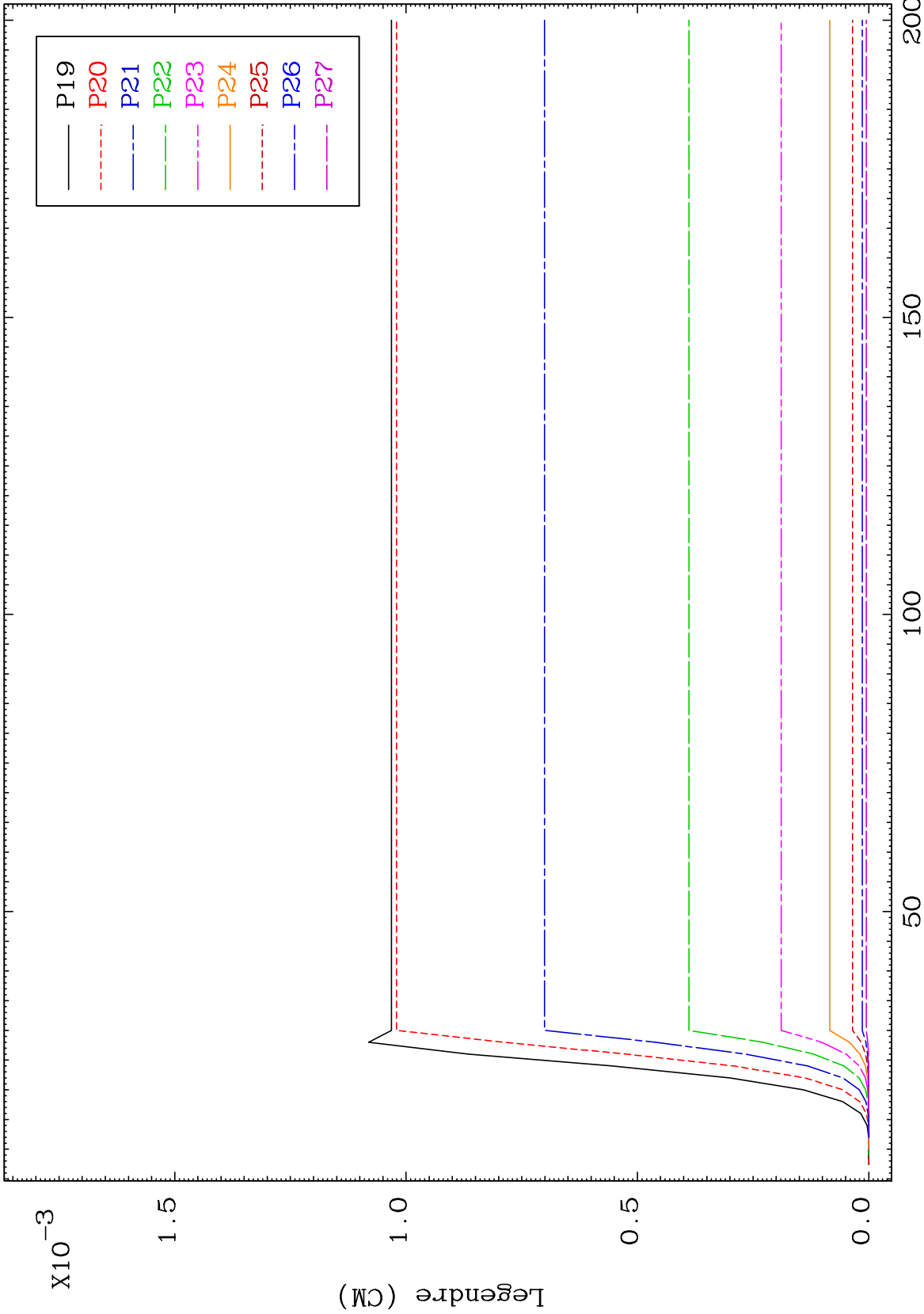
53-I -135



61

Incident Energy (MeV)

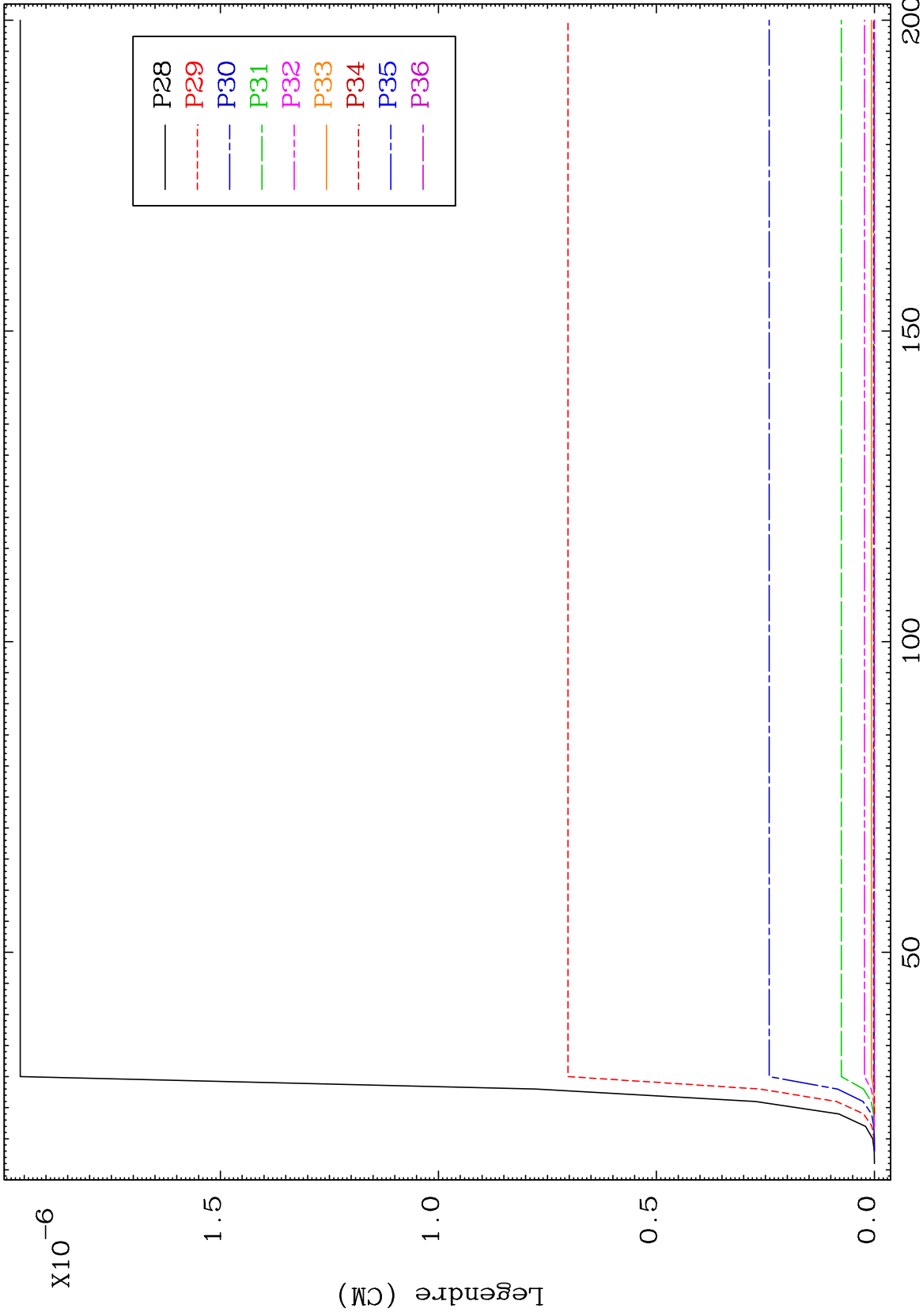
53-I -135



MAT 5349

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

53-I -135



63

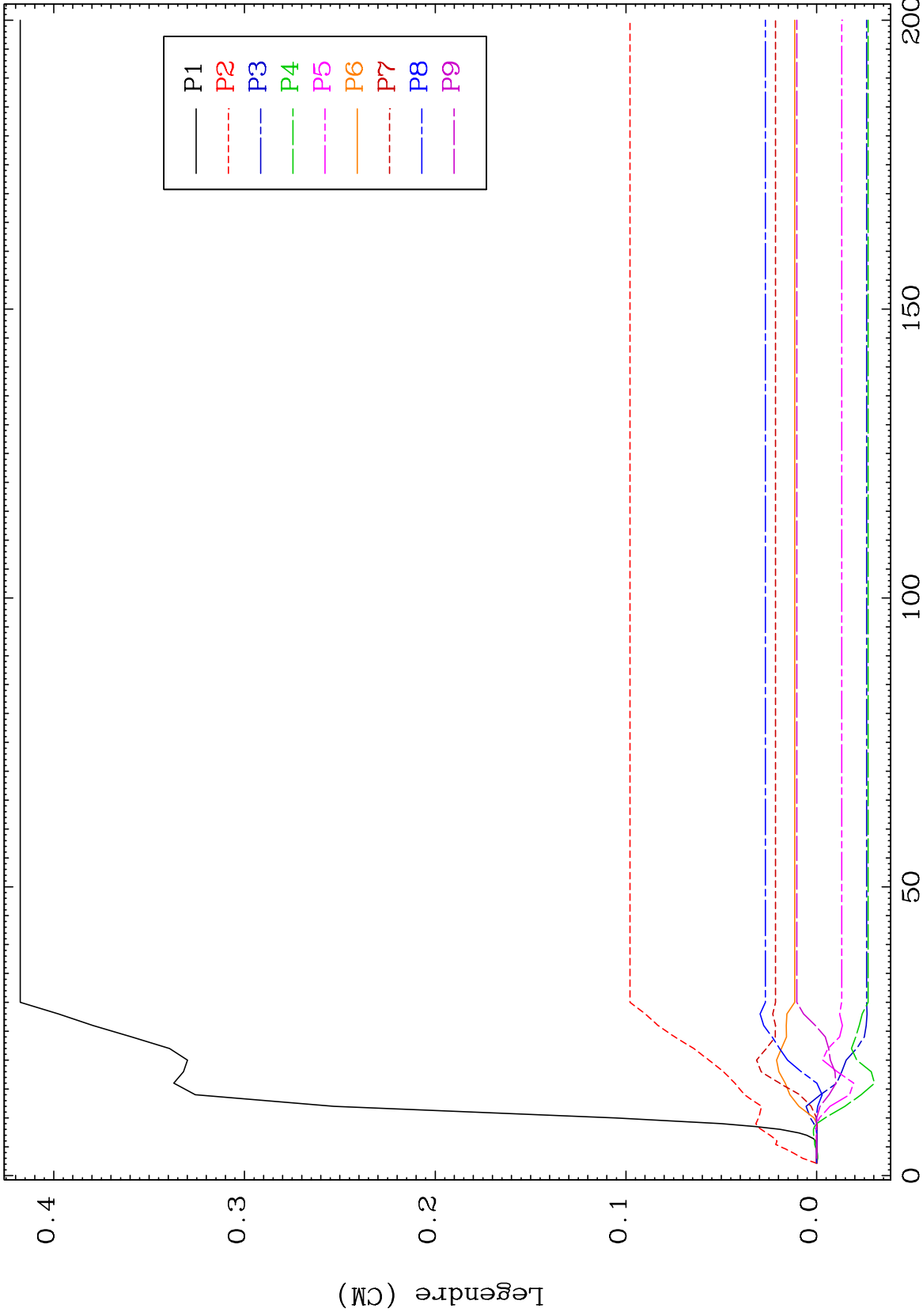
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135

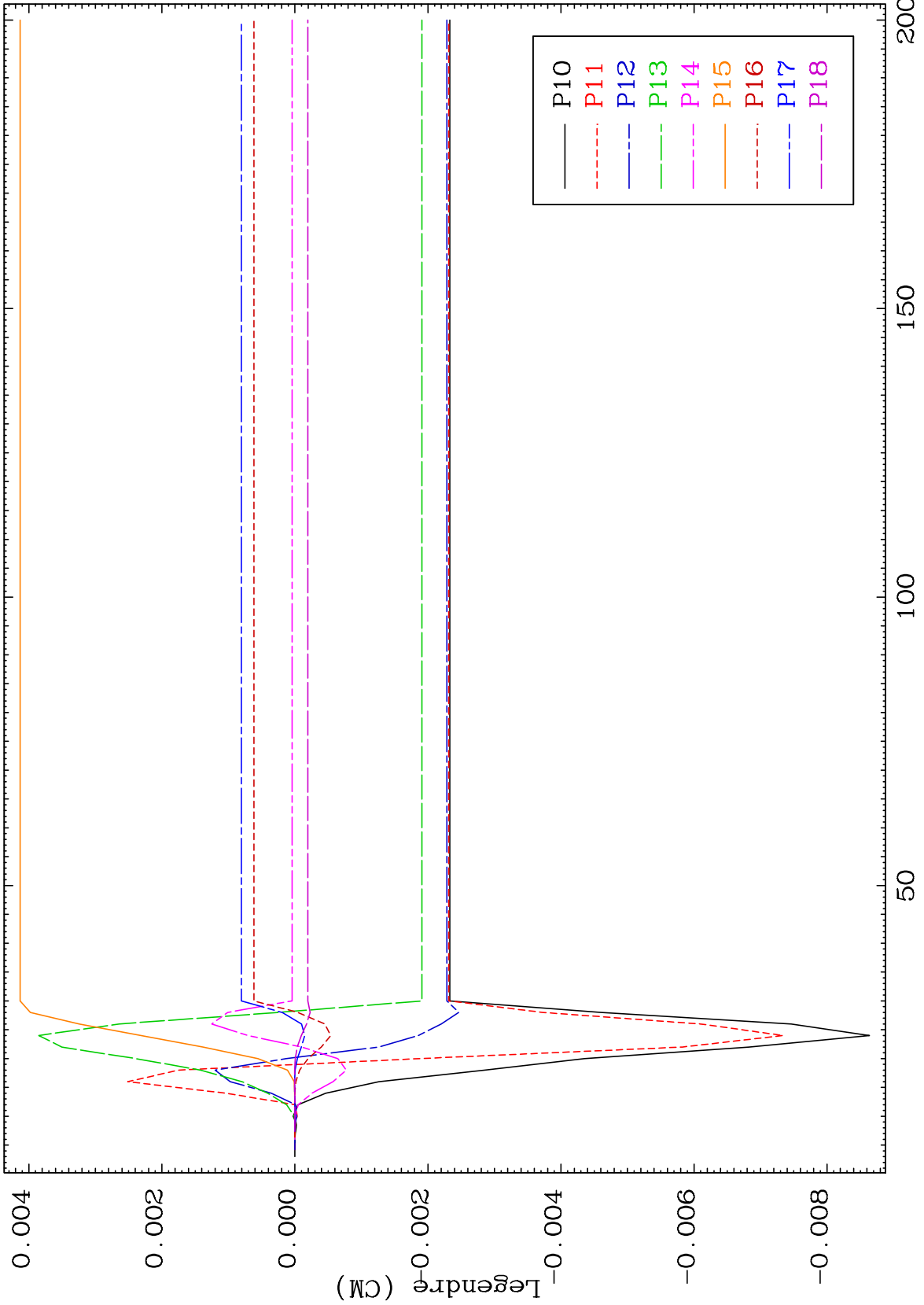


64

Incident Energy (MeV)

53-I -135

MAT 5349 MT= 62 (n,n') Level Legendre Coefficients 53-I -135

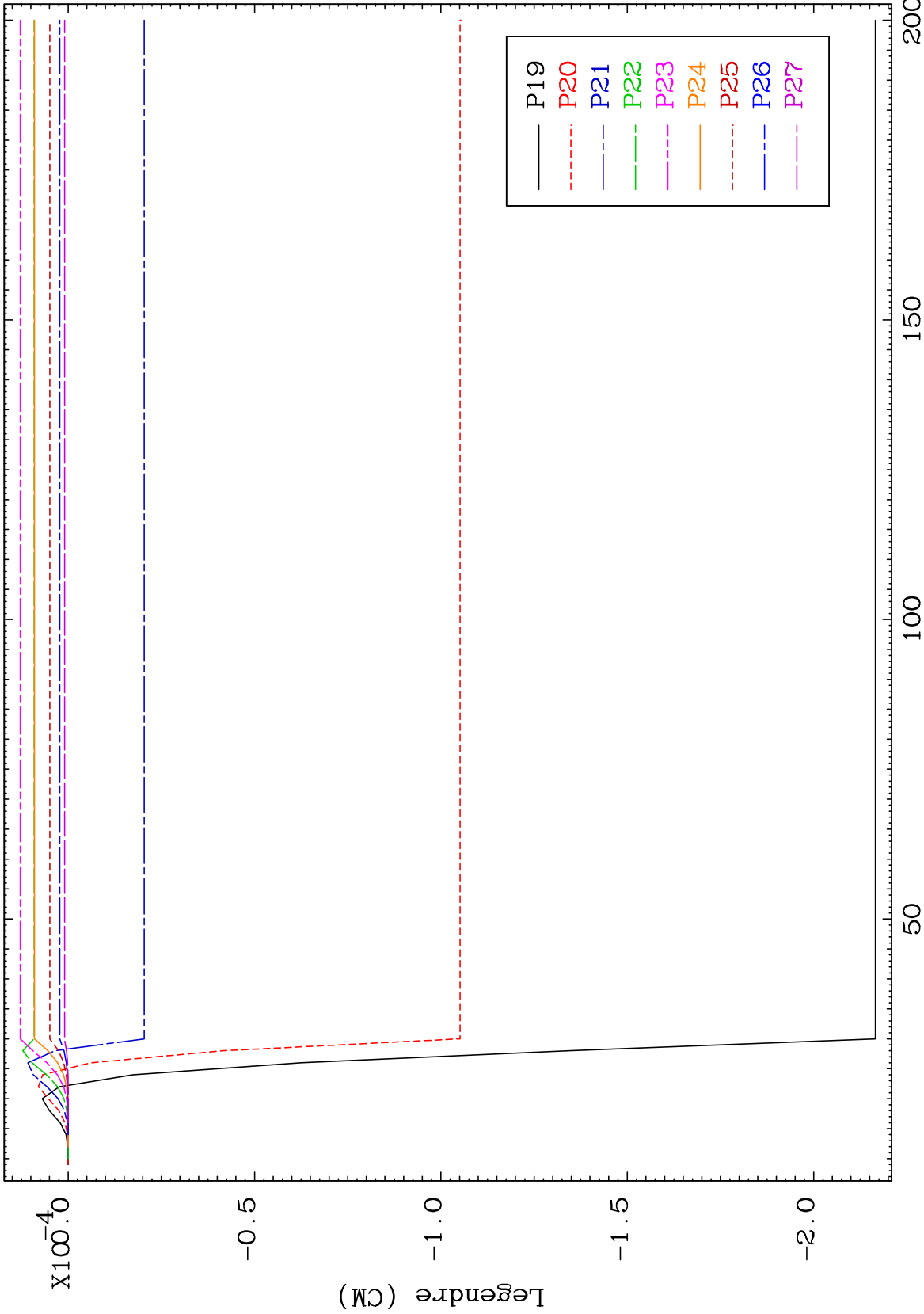


65 53-I -135

MAT 5349

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

53-I -135



66

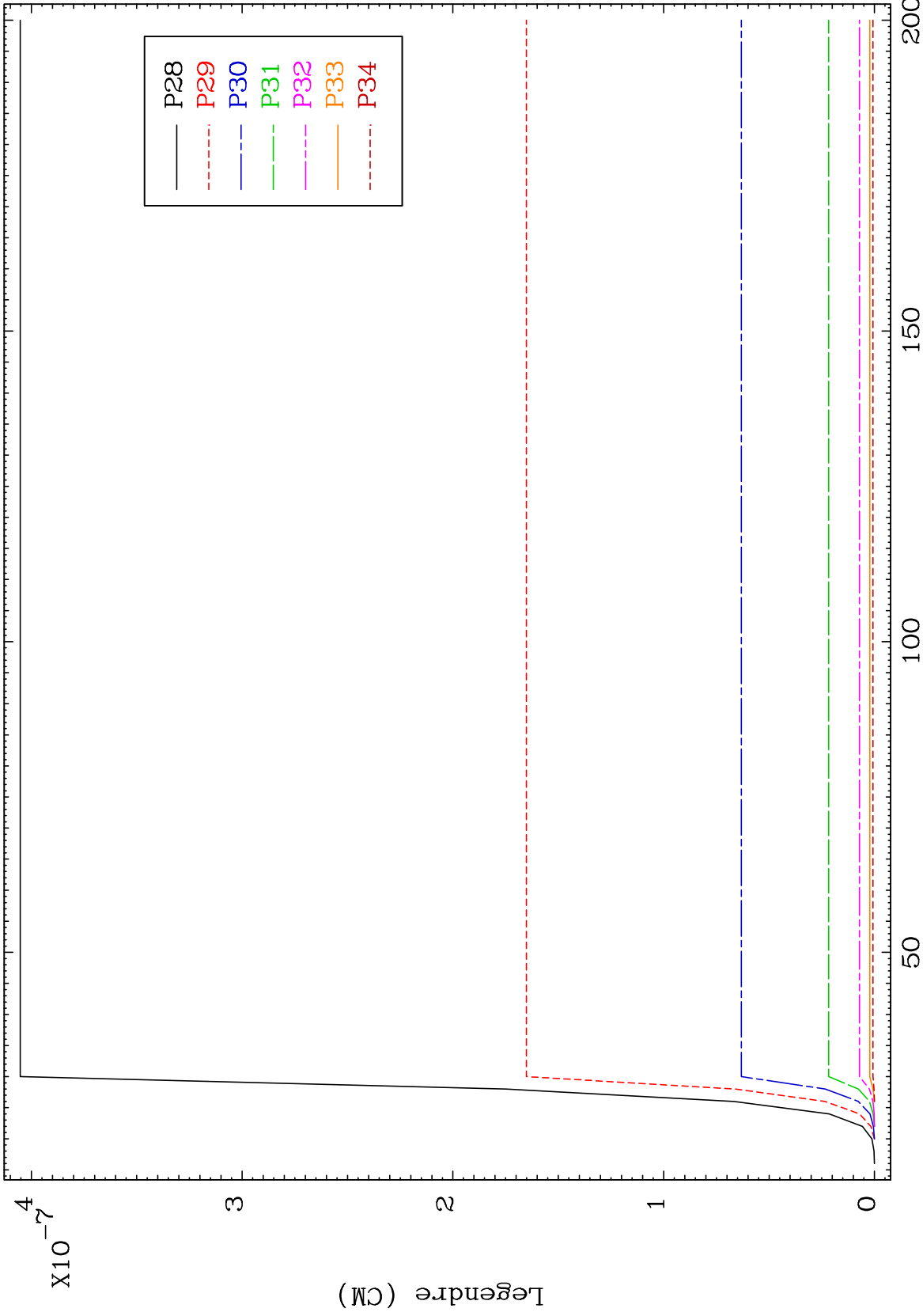
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



67

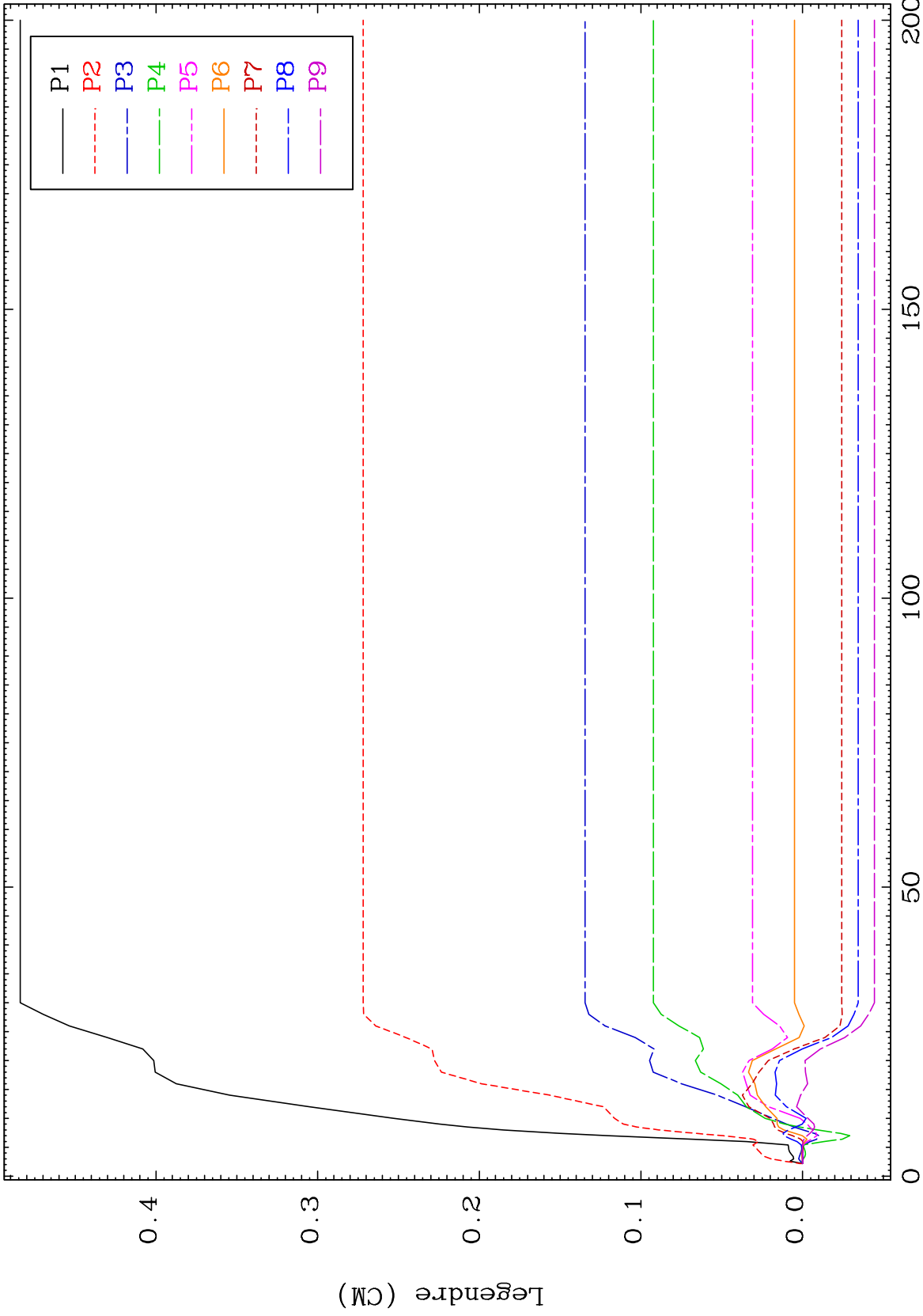
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



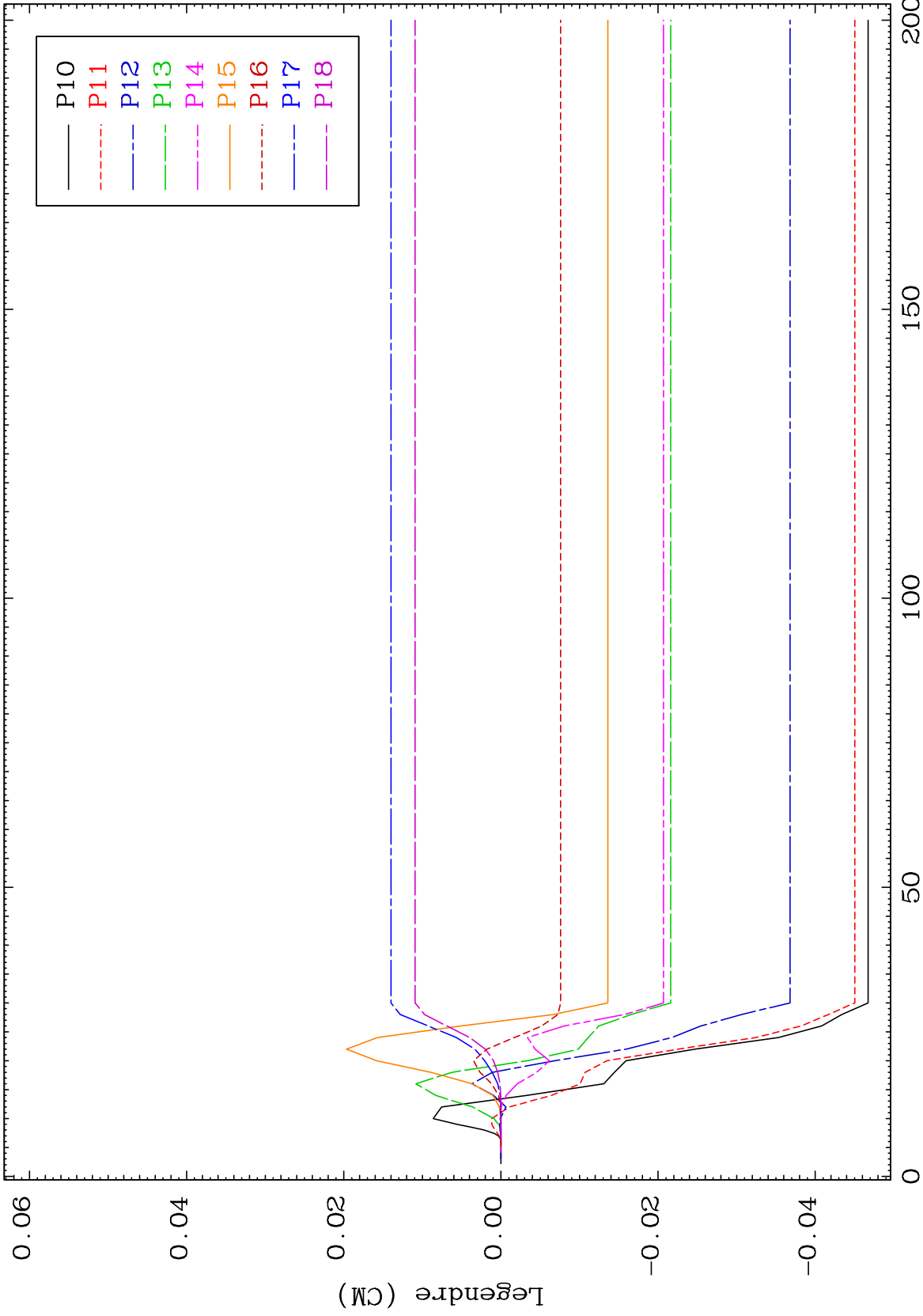
68

53-I -135

MAT 5349

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

53-I -135



69

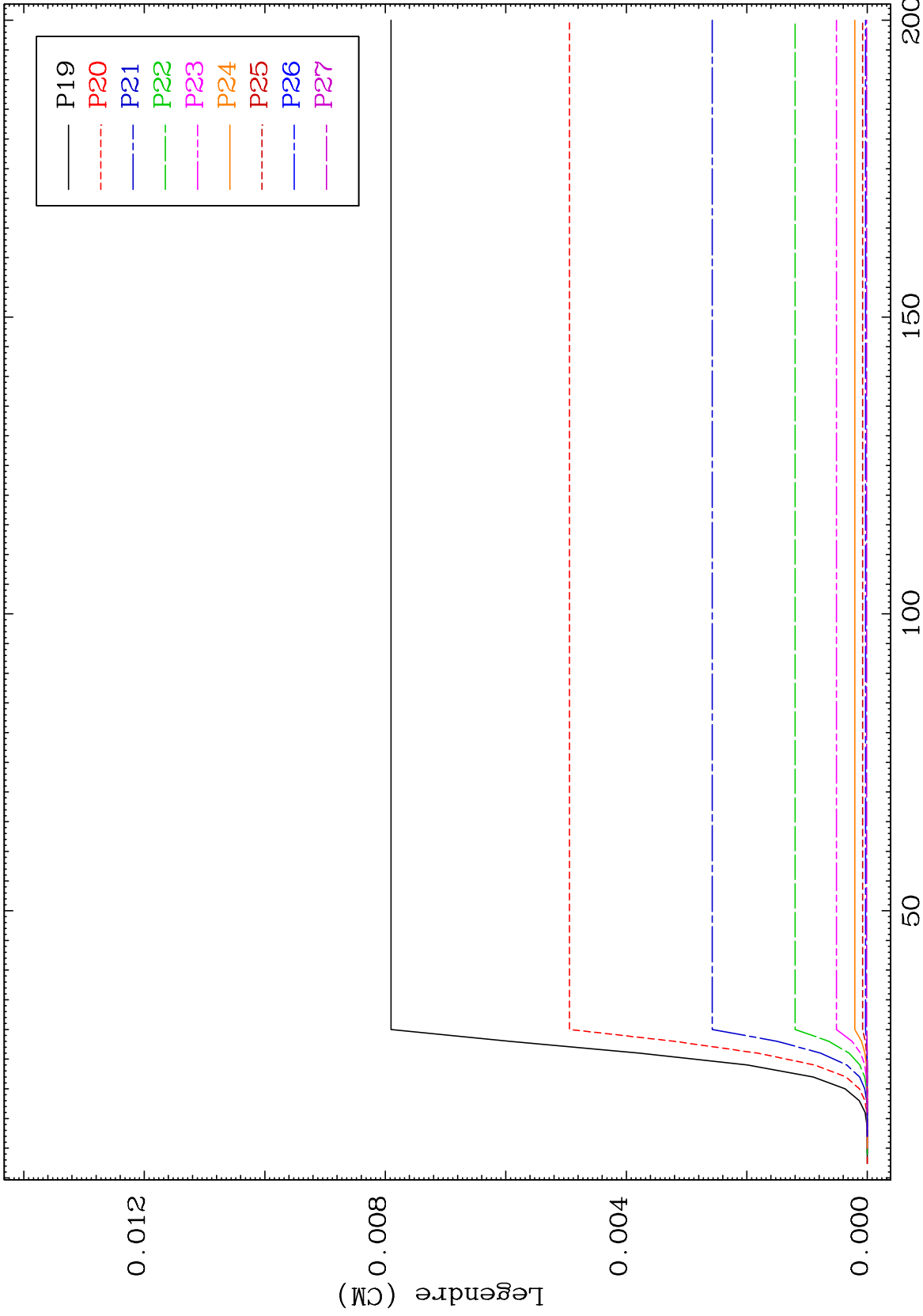
Incident Energy (MeV)

53-I -135

MAT 5349

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

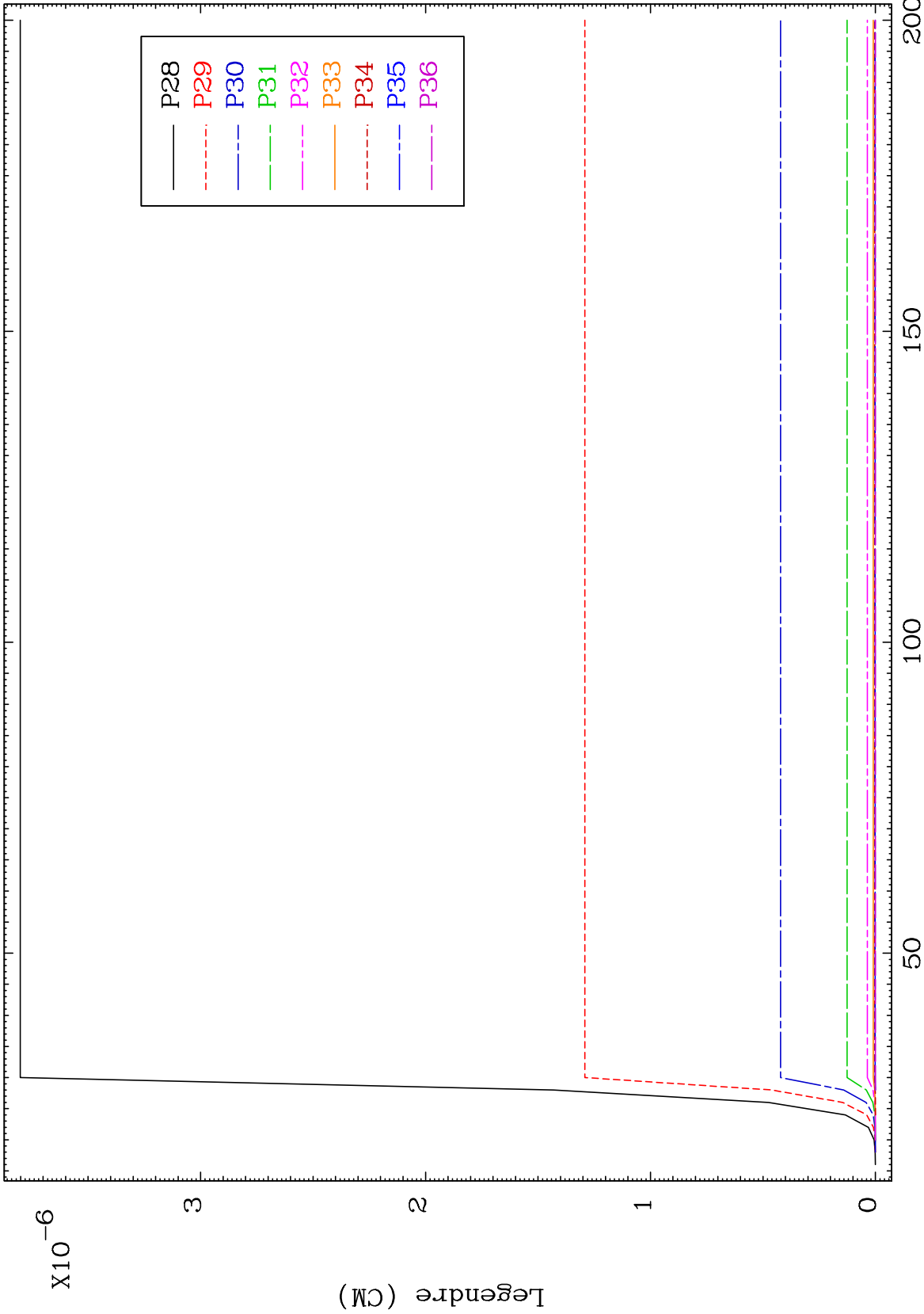
53-I -135



70

Incident Energy (MeV)

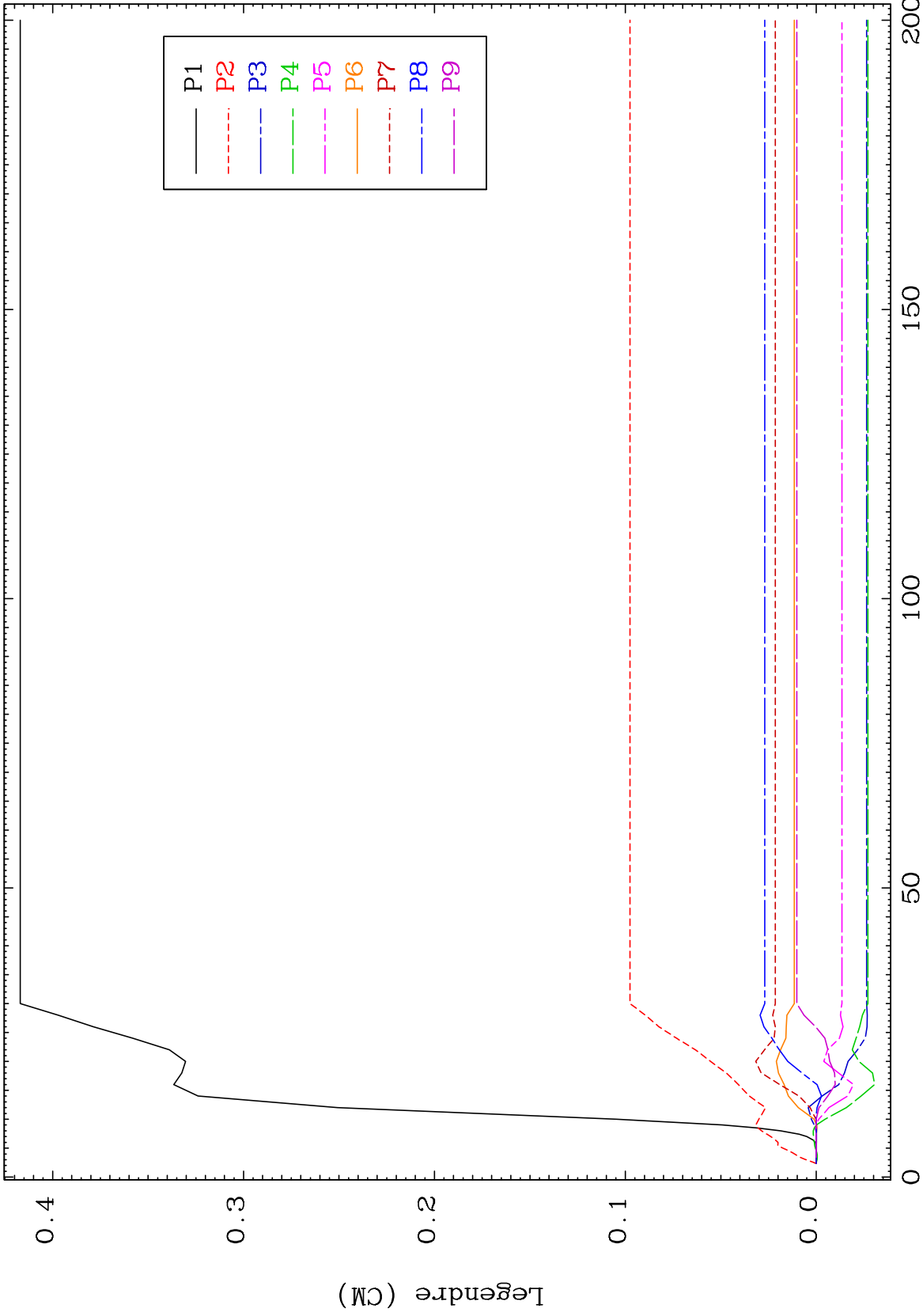
53-I -135



MAT 5349

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

53-I -135



72

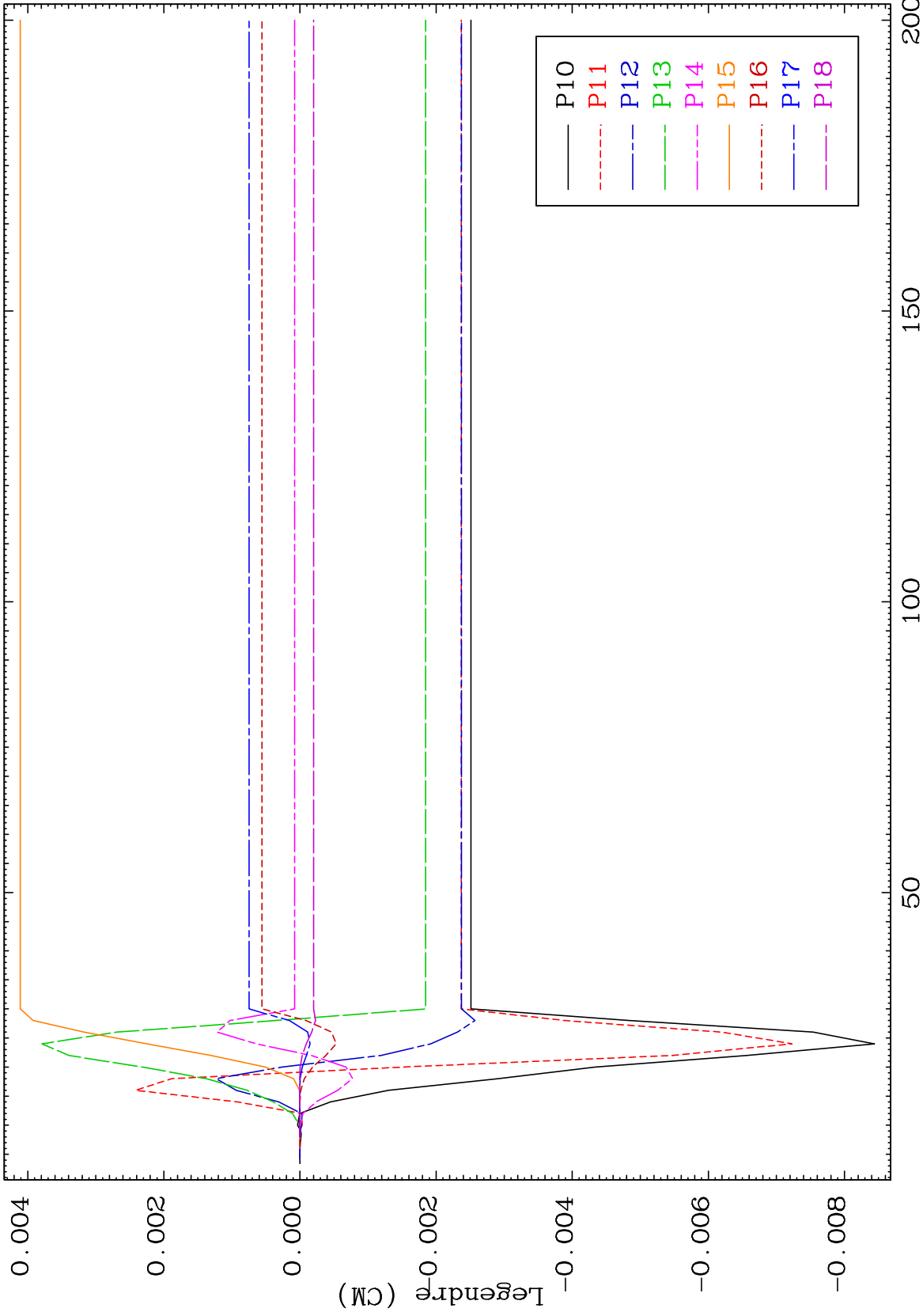
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



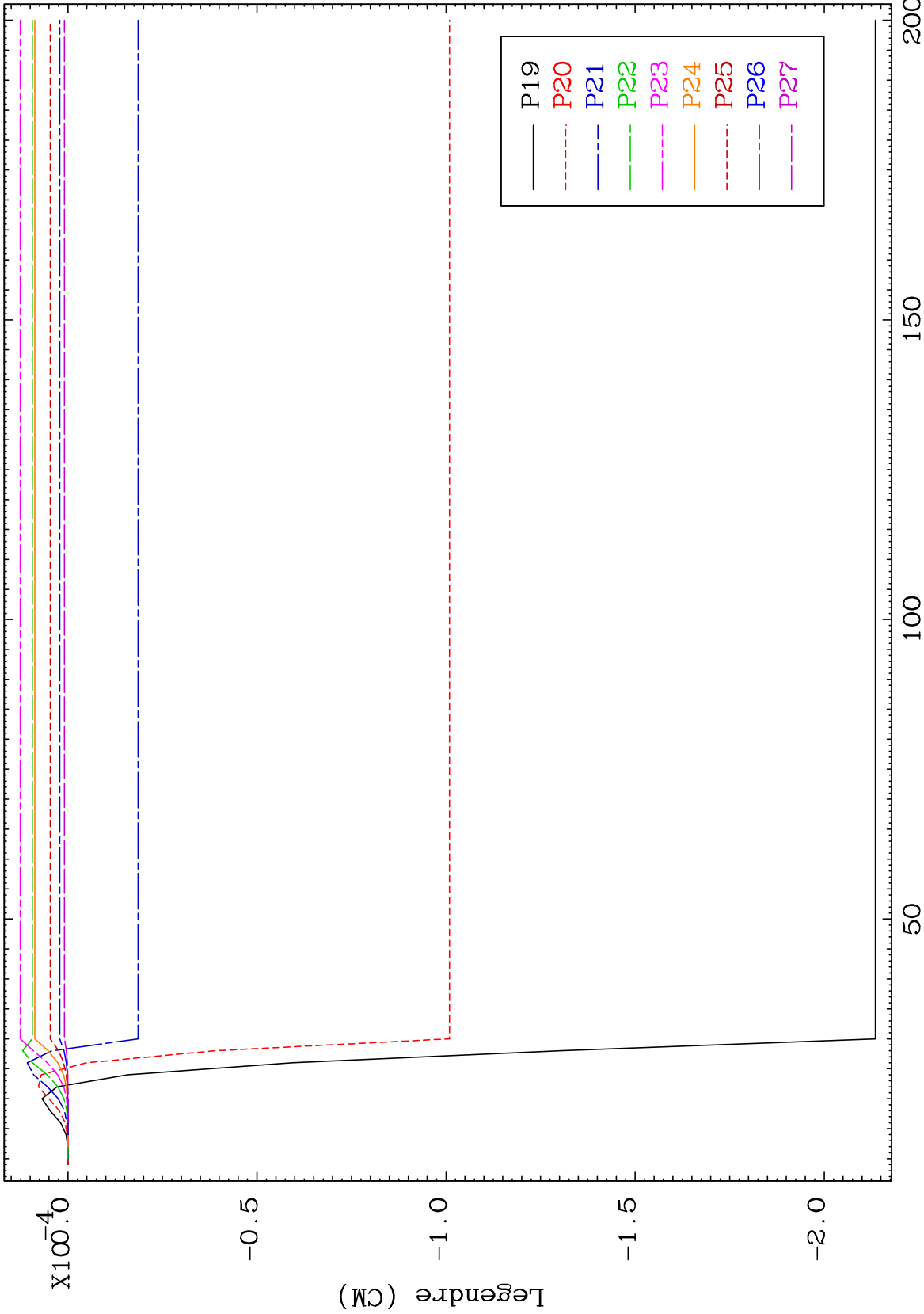
73

53-I -135

MAT 5349

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

53-I -135



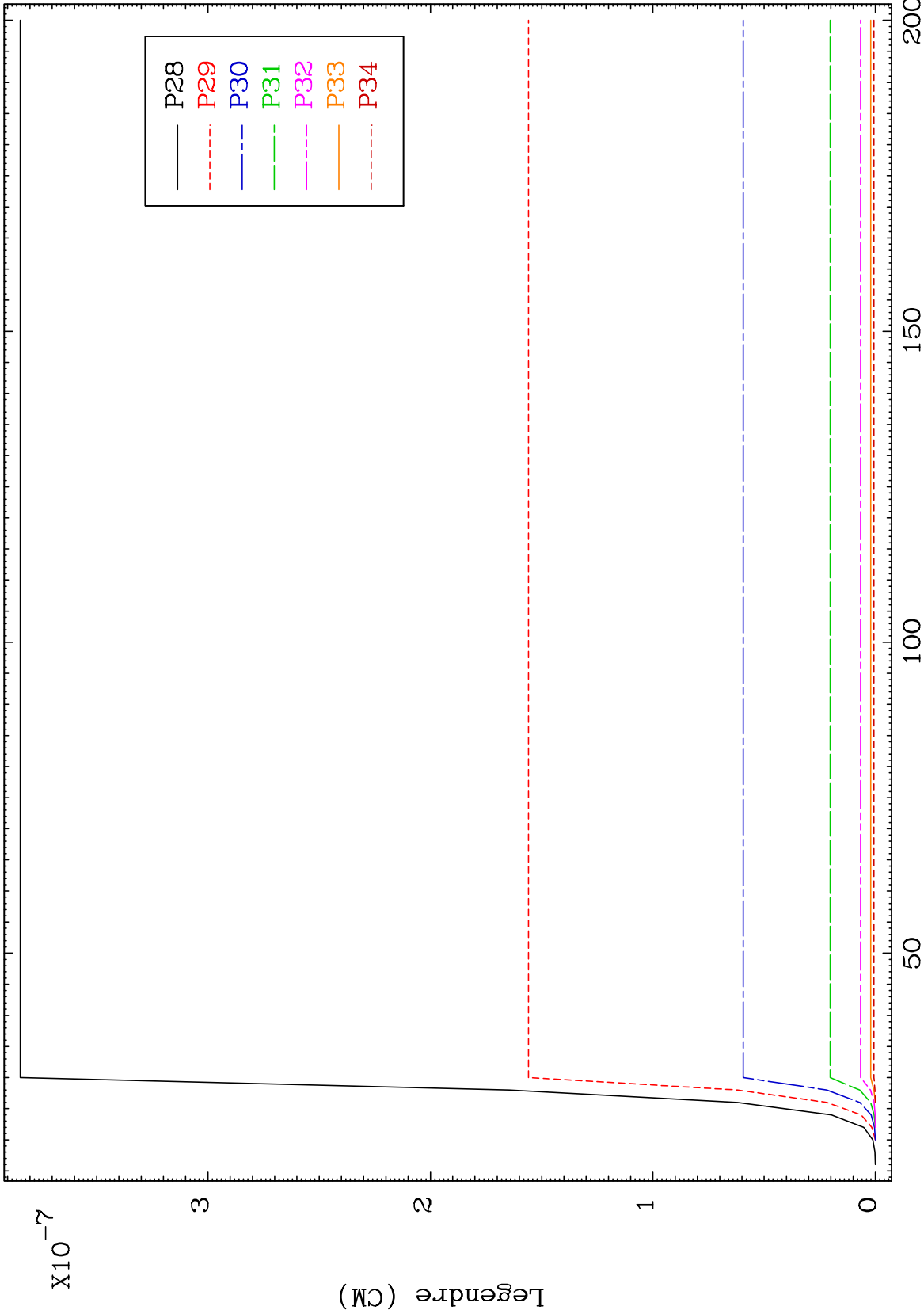
74

53-I -135

MAT 5349

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

53-I -135



75

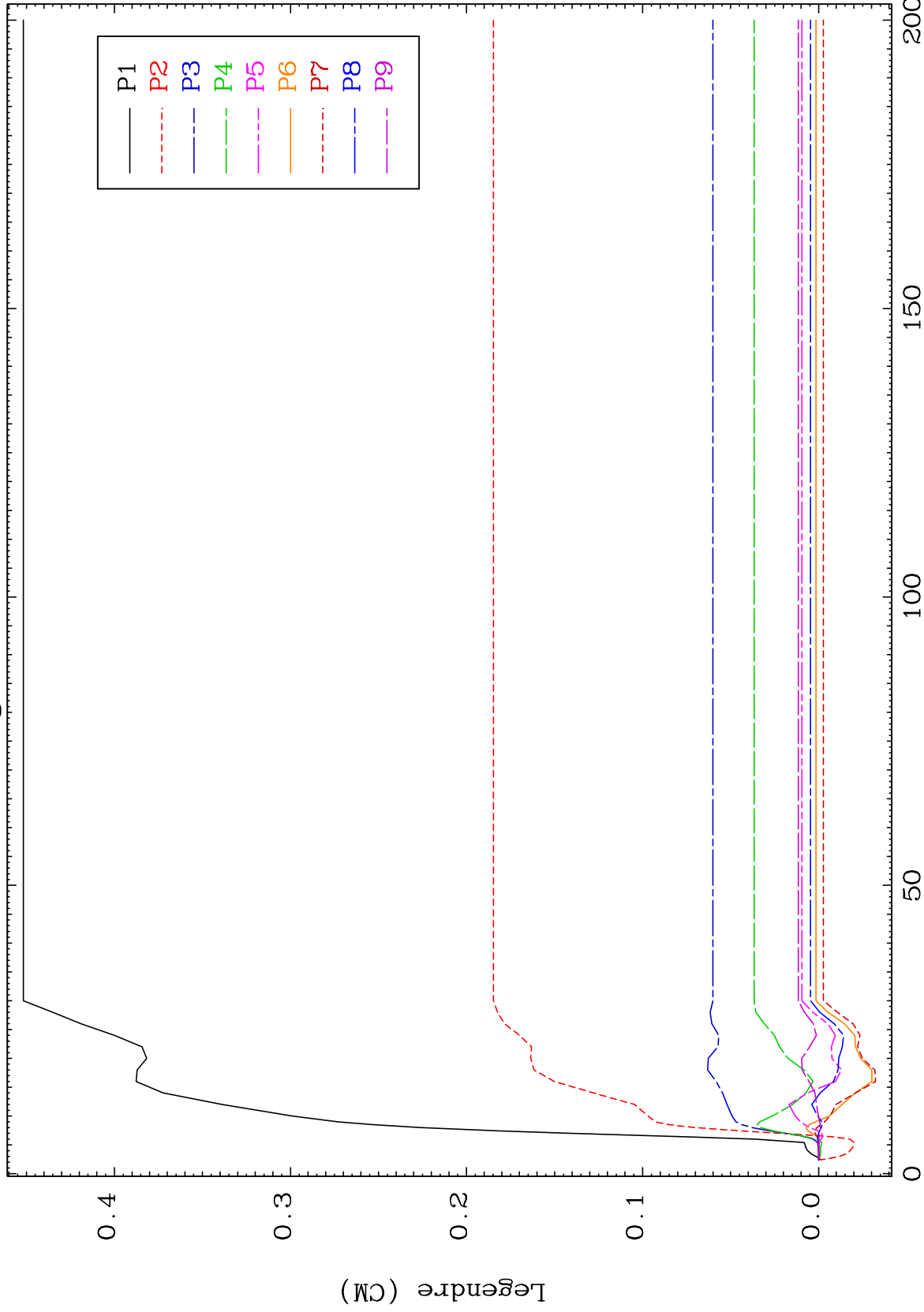
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



76

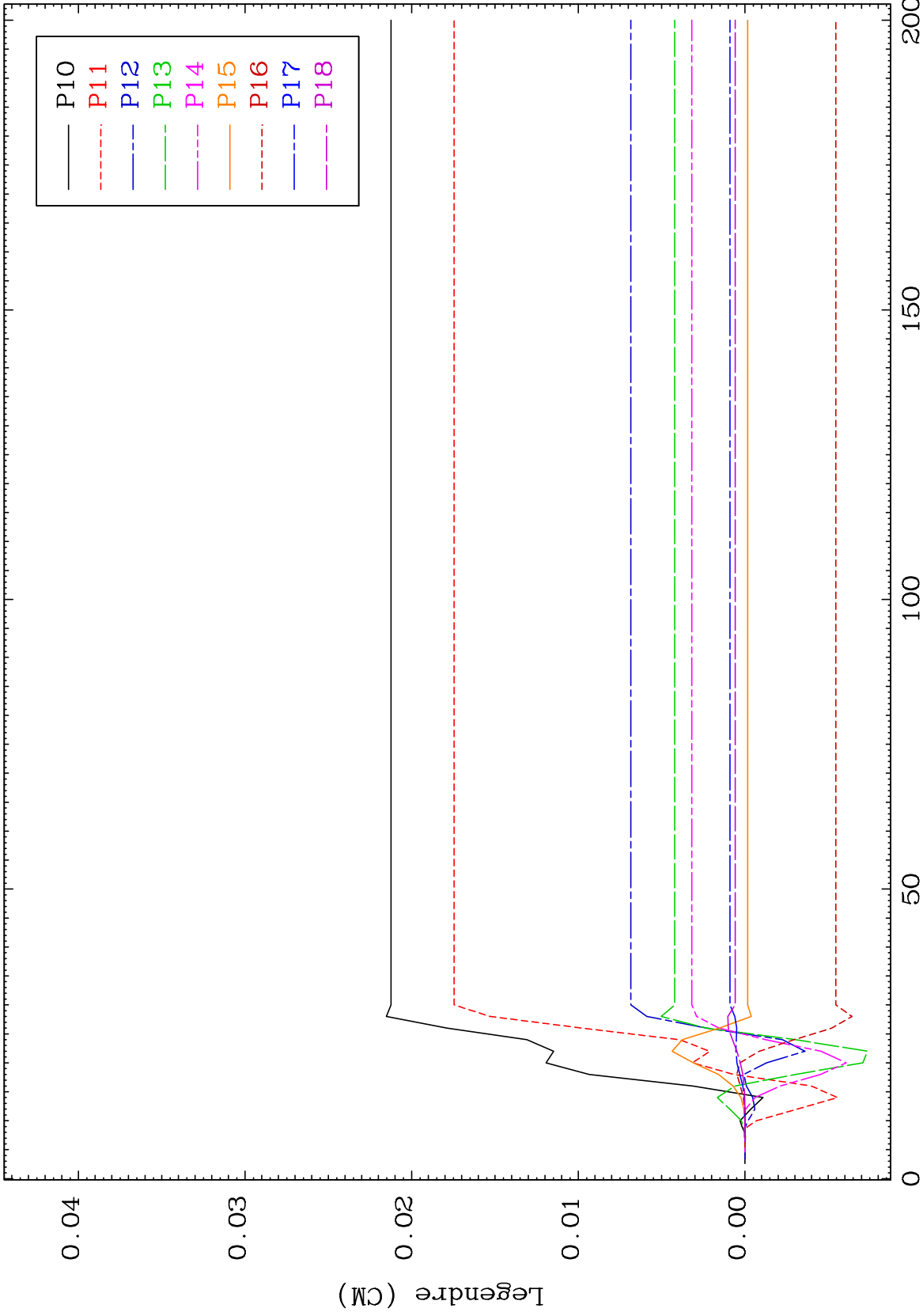
Incident Energy (MeV)

53-I -135

MAT 5349

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

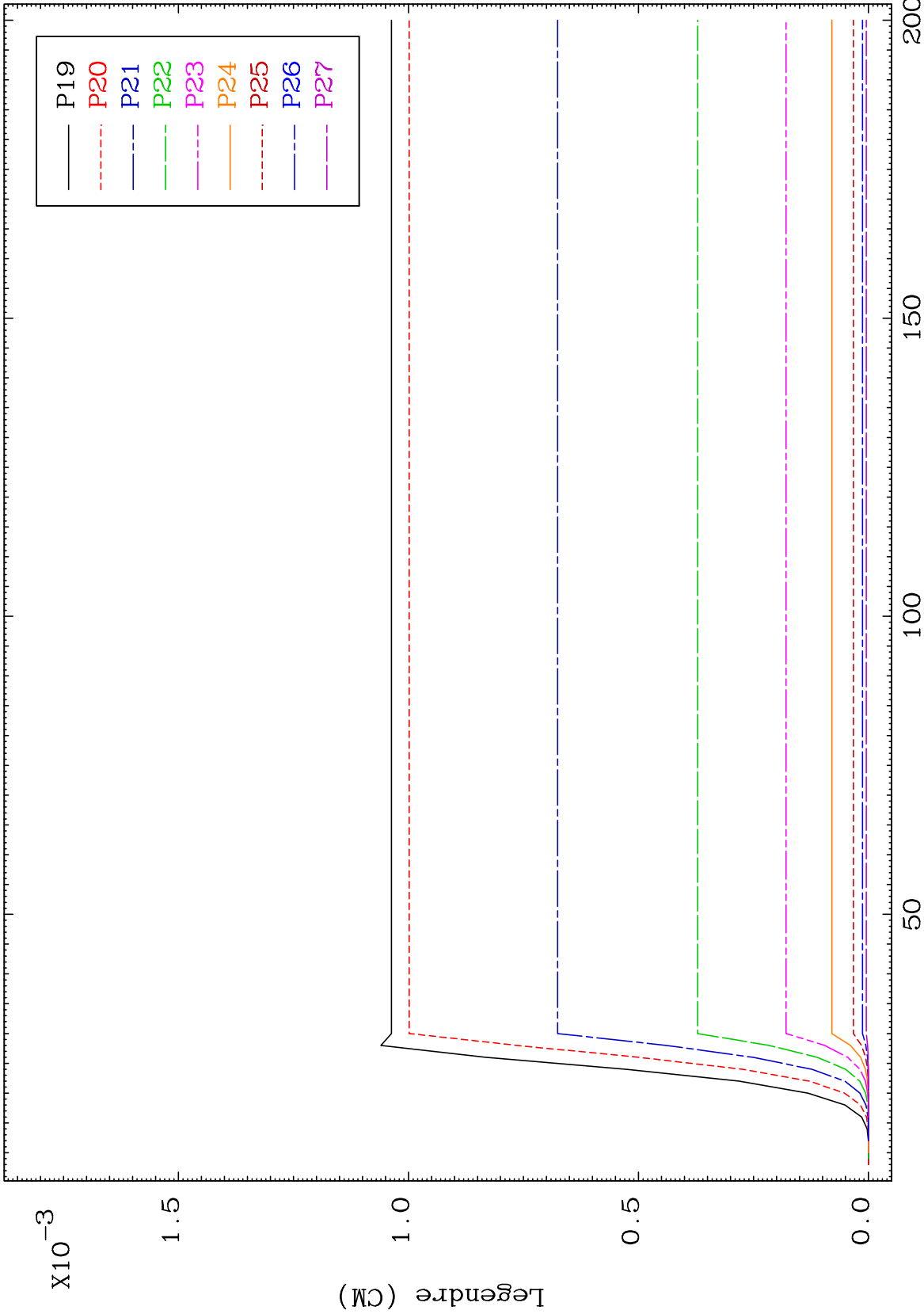
53-I -135



77

Incident Energy (MeV)

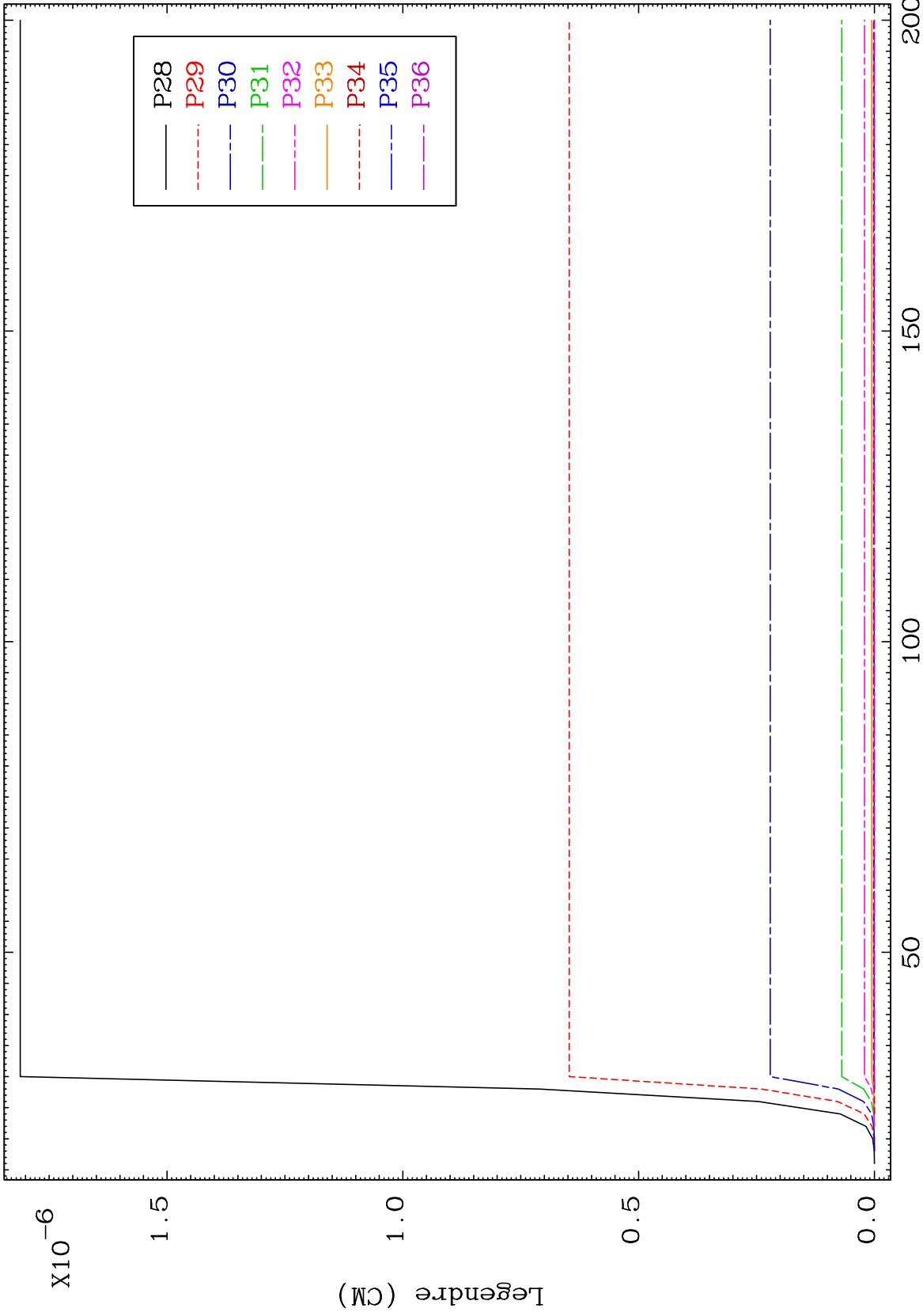
53-I -135



MAT 5349

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

53-I -135



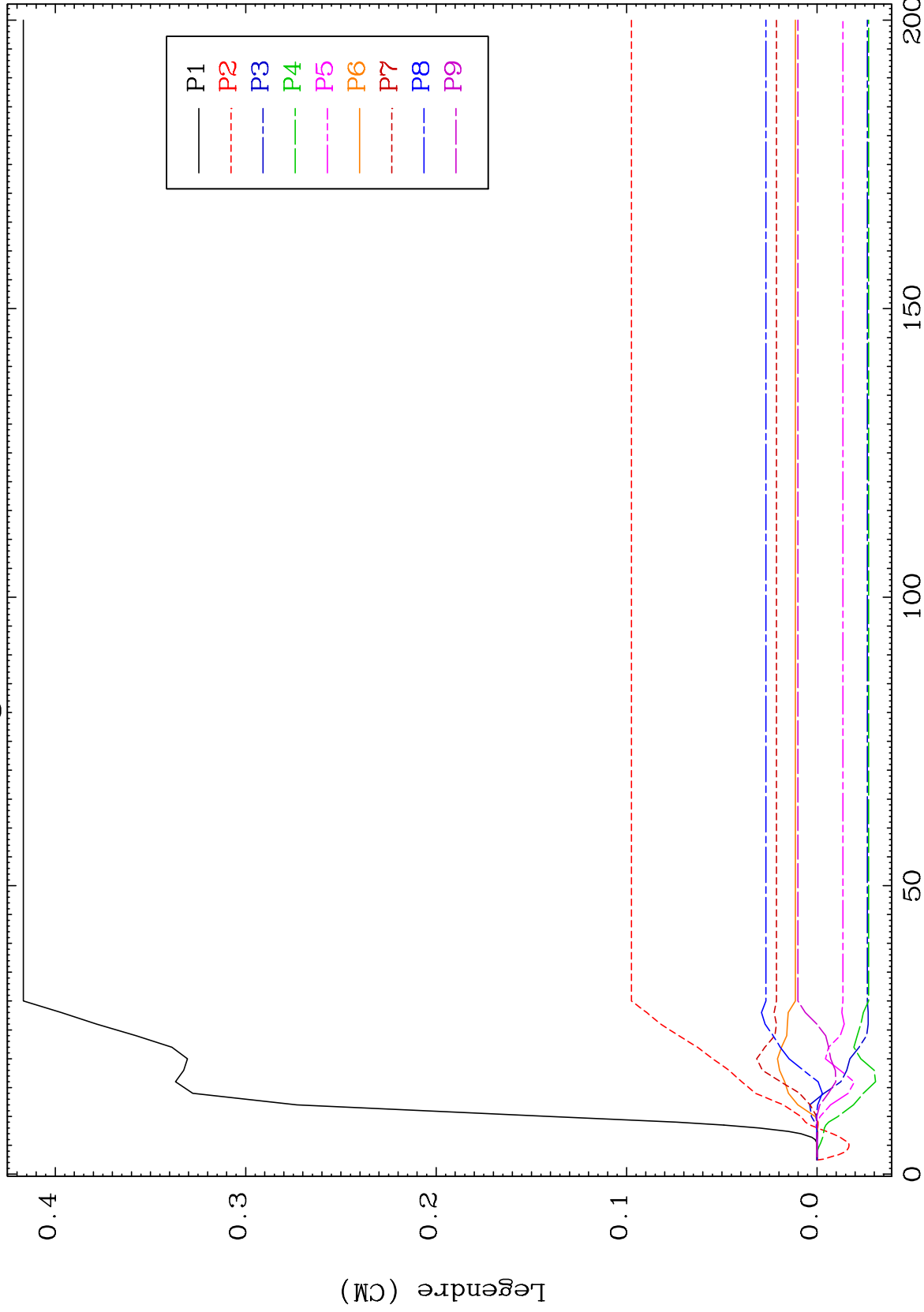
79

53-I -135

MAT 5349

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

53-I -135



80

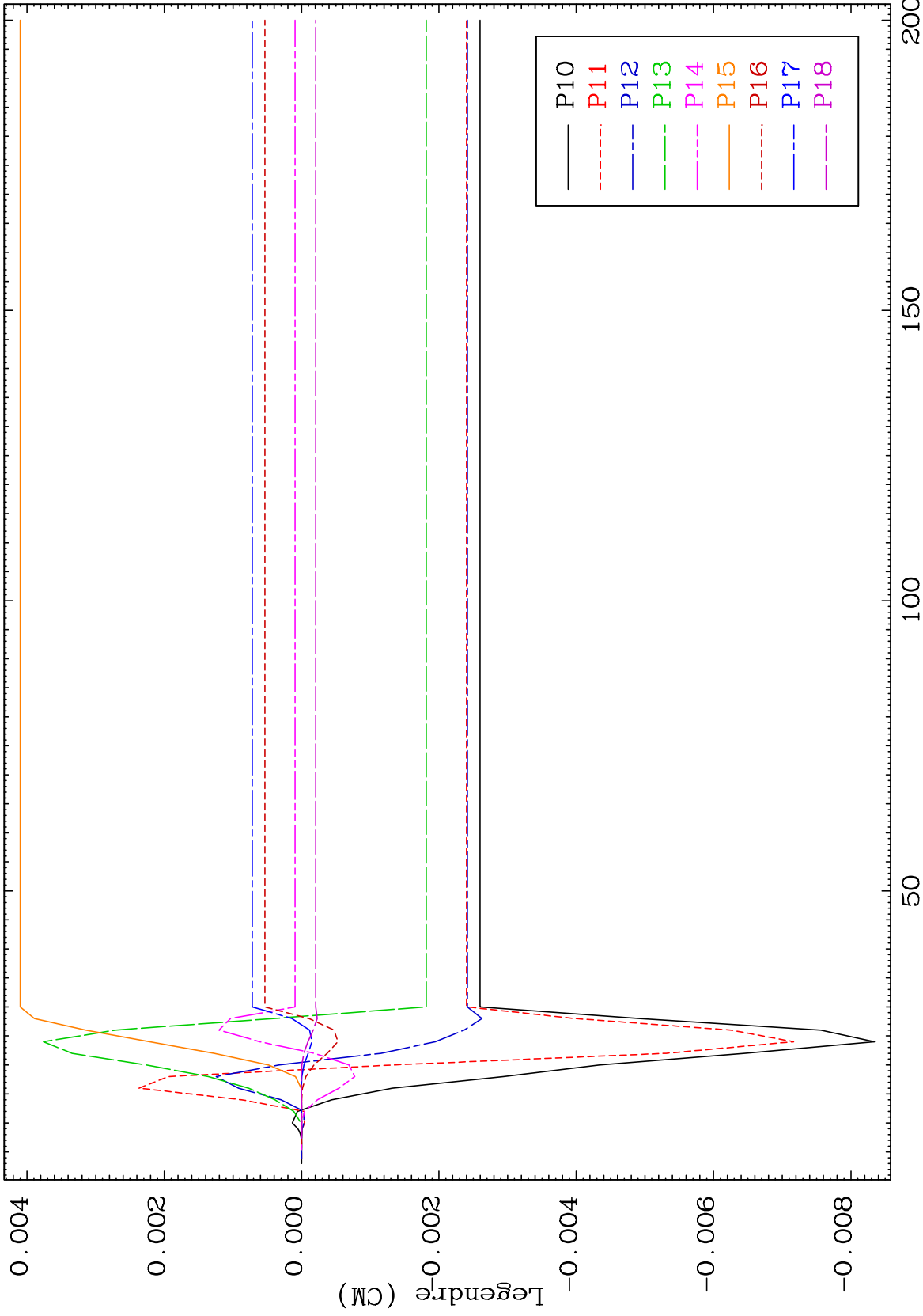
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



81

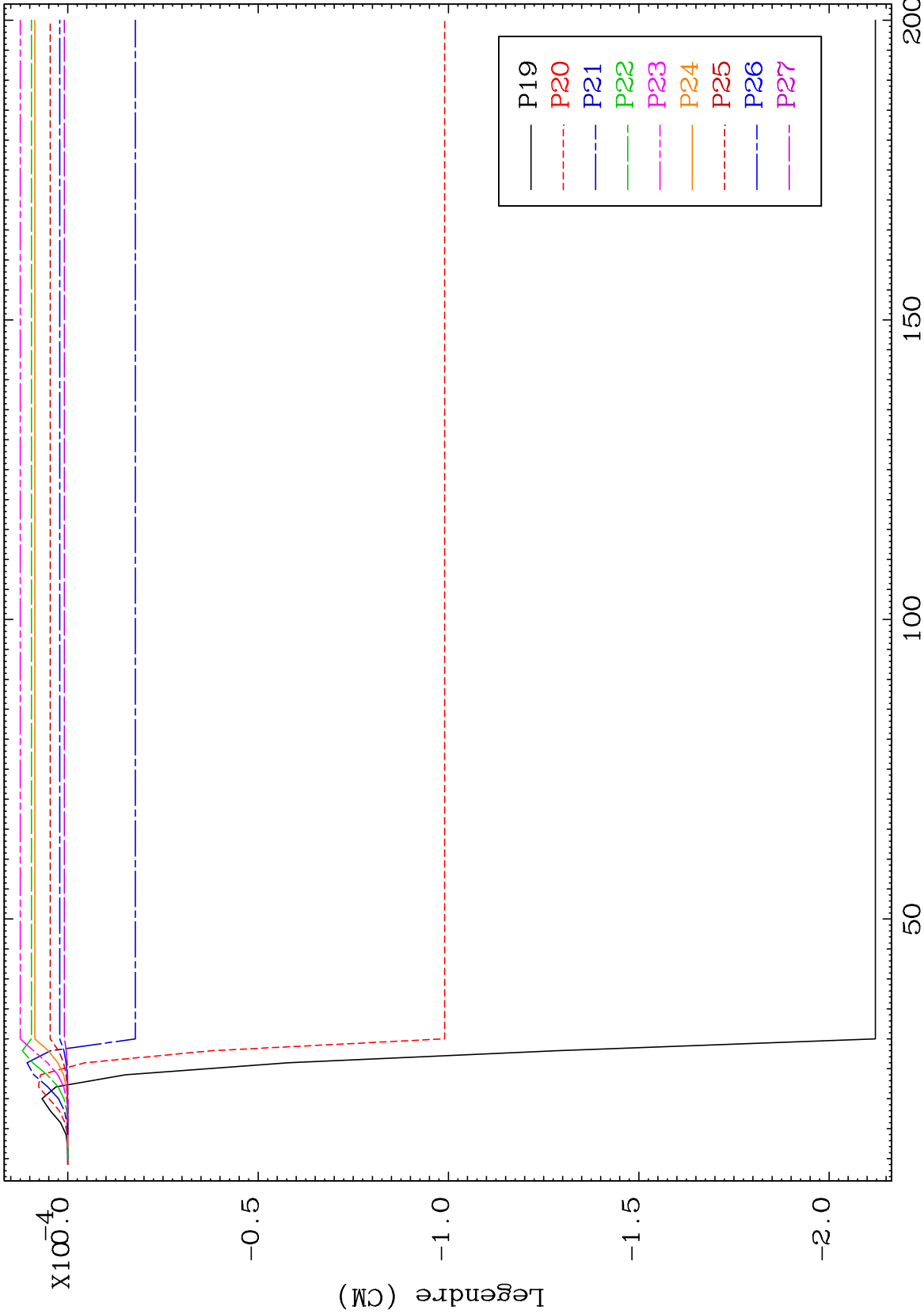
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



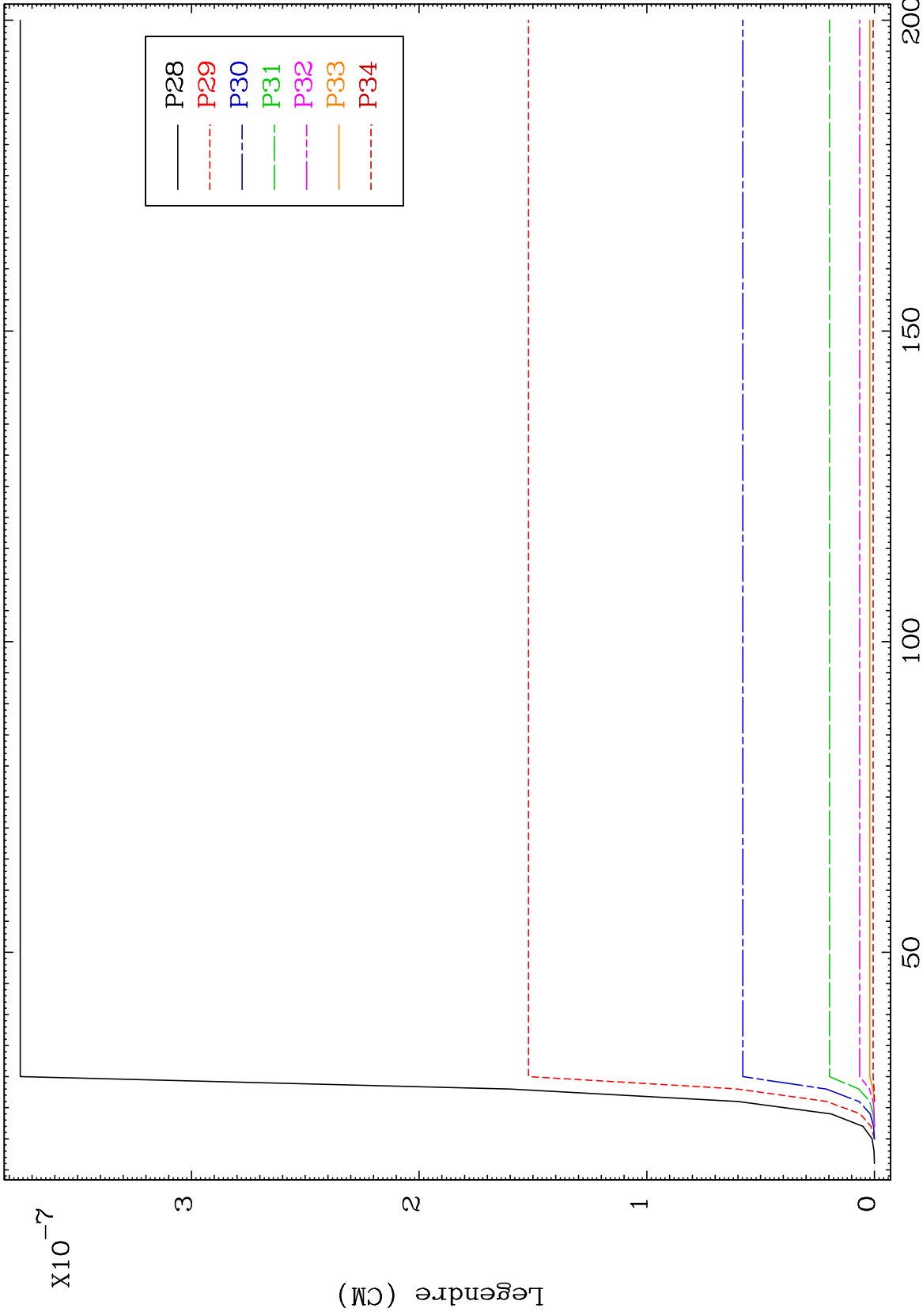
82

53-I -135

MAT 5349

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

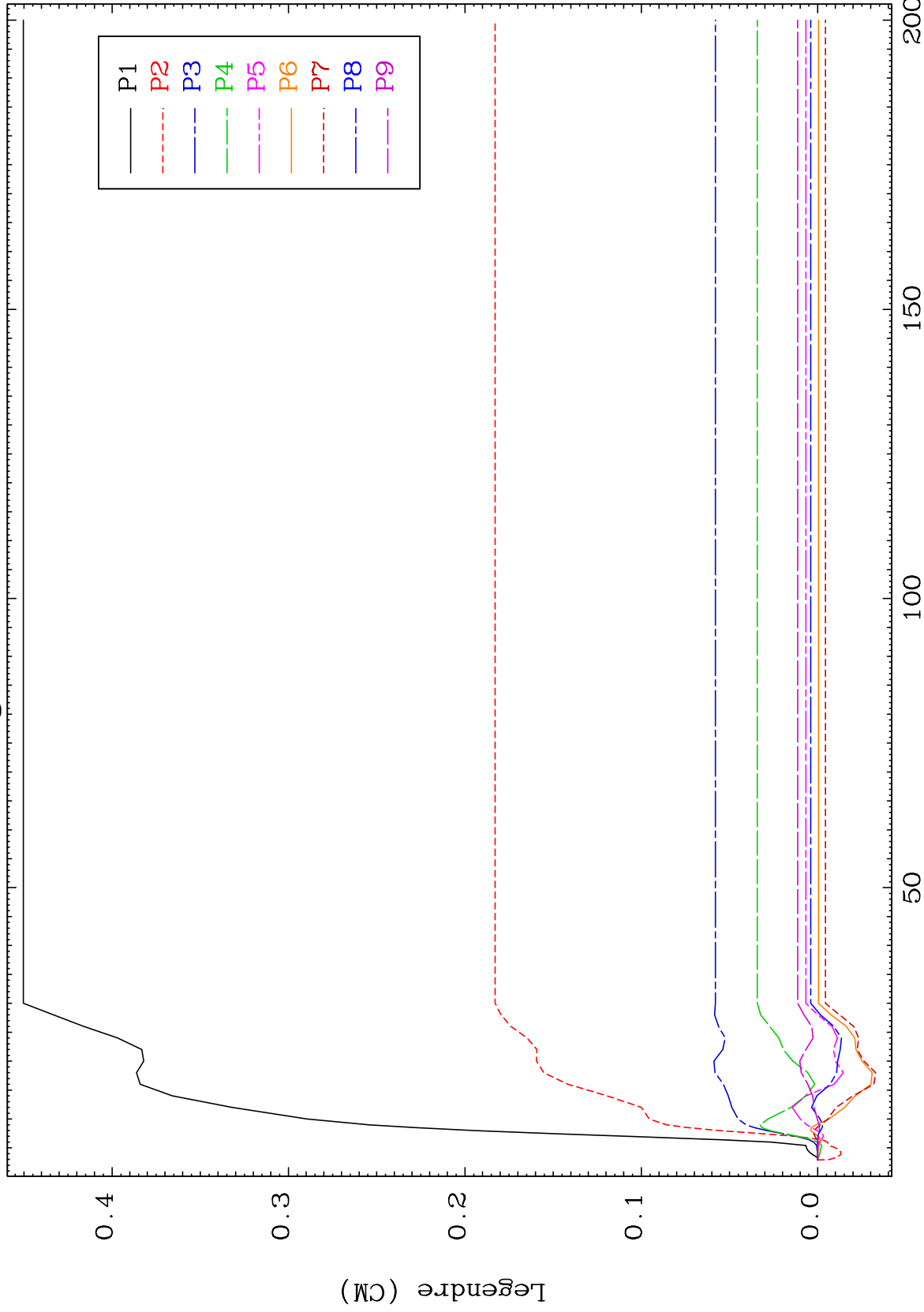
53-I -135

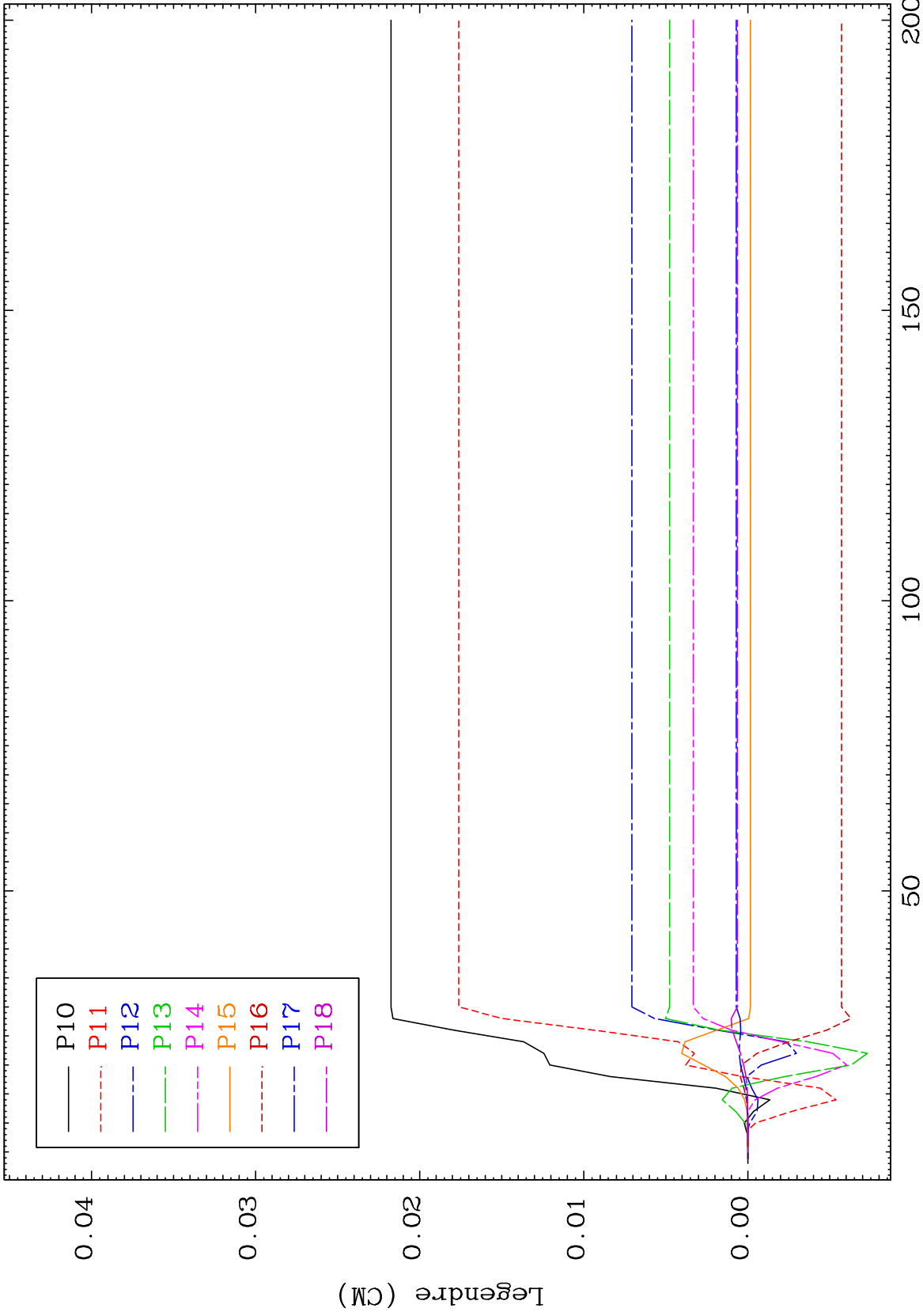


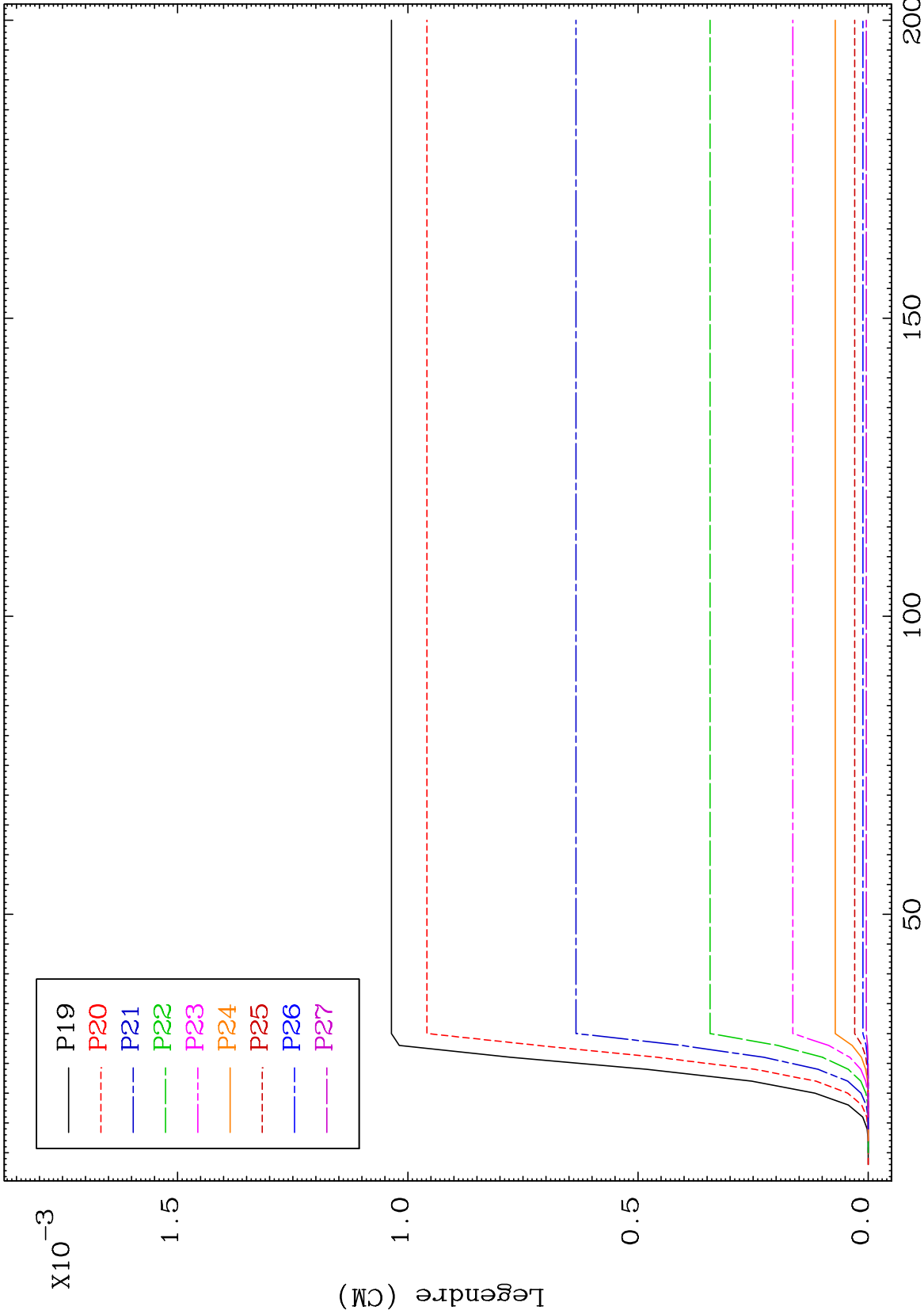
83

Incident Energy (MeV)

53-I -135



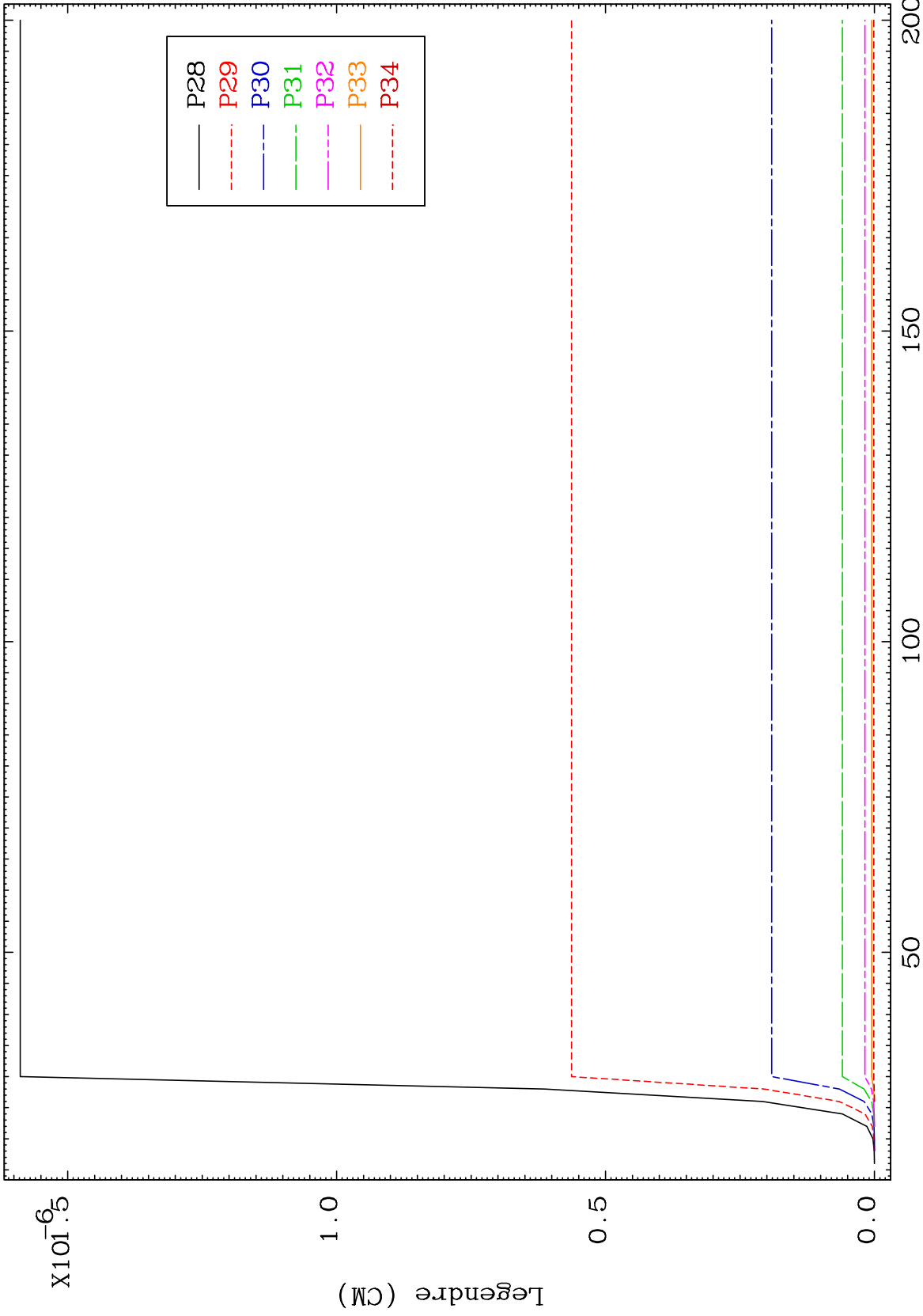




MAT 5349

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

53-I -135



87

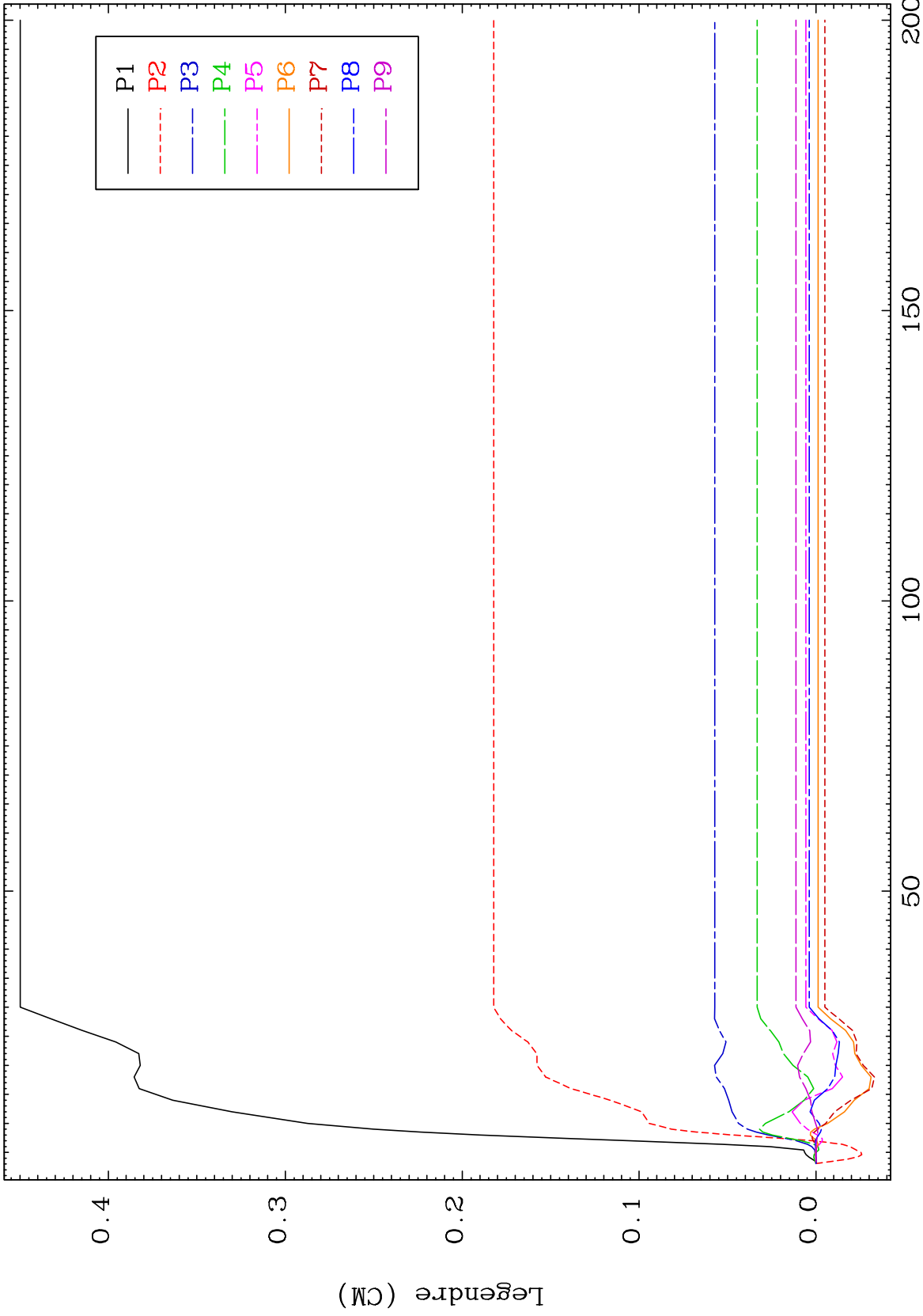
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



88

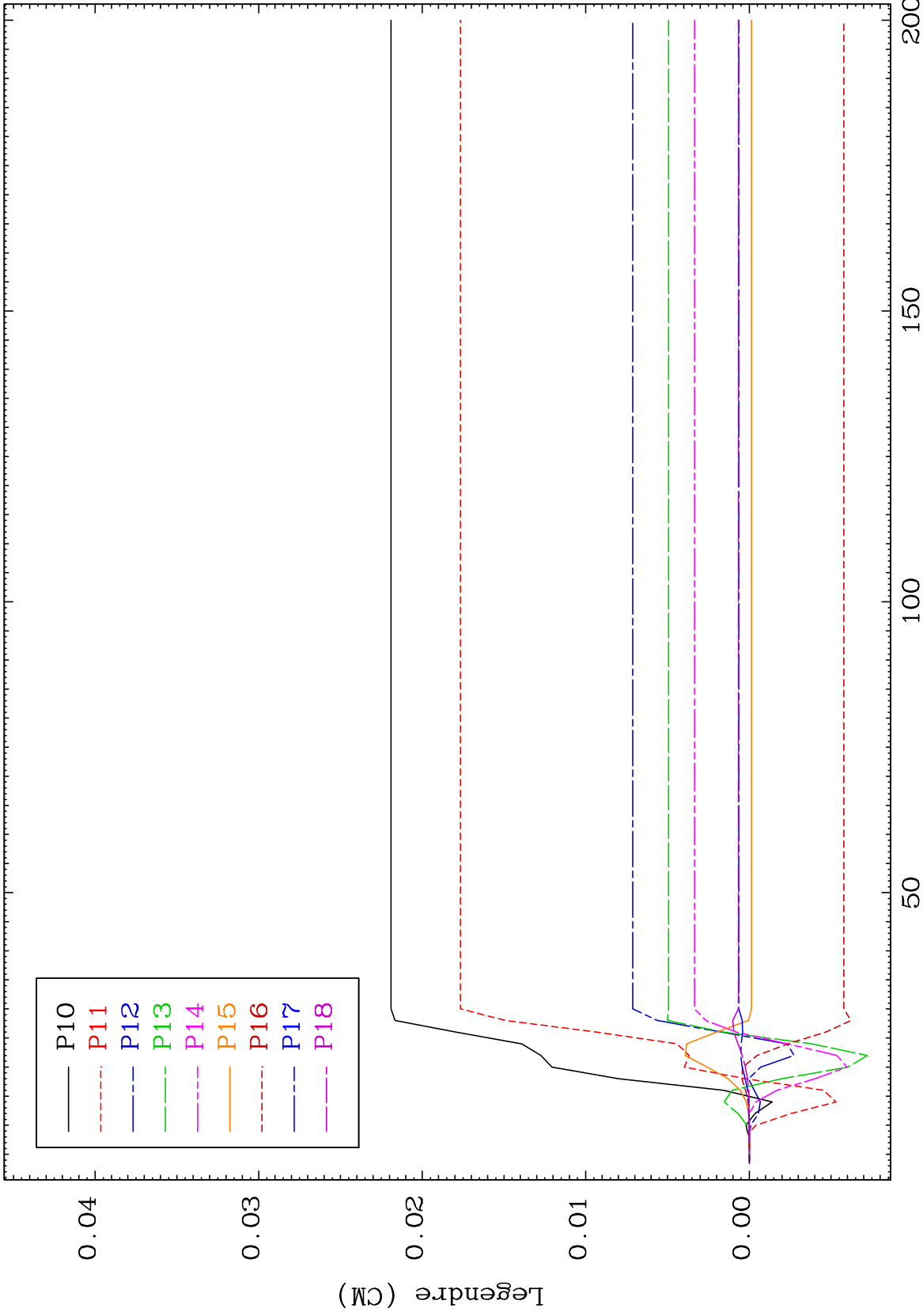
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



89

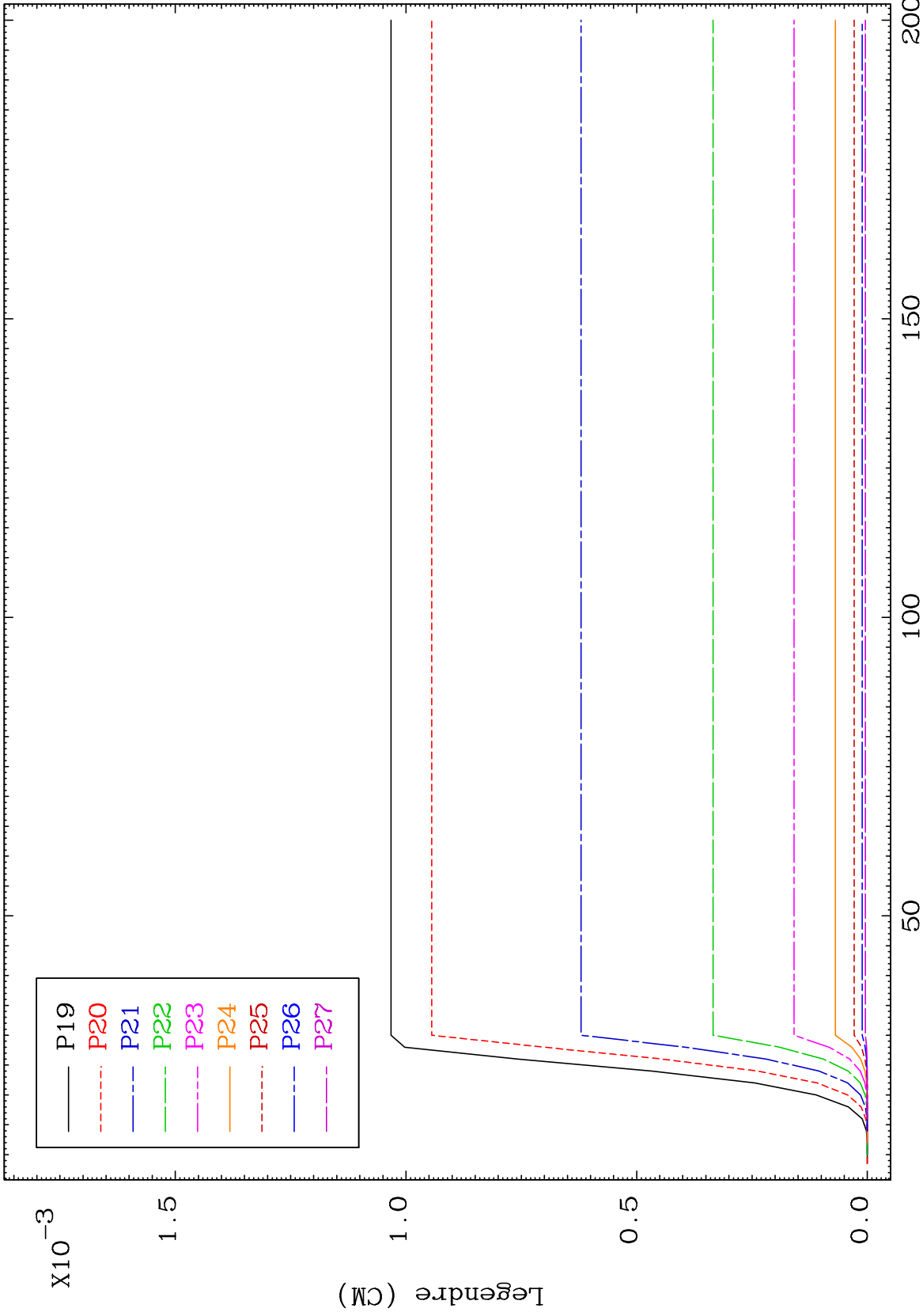
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



90

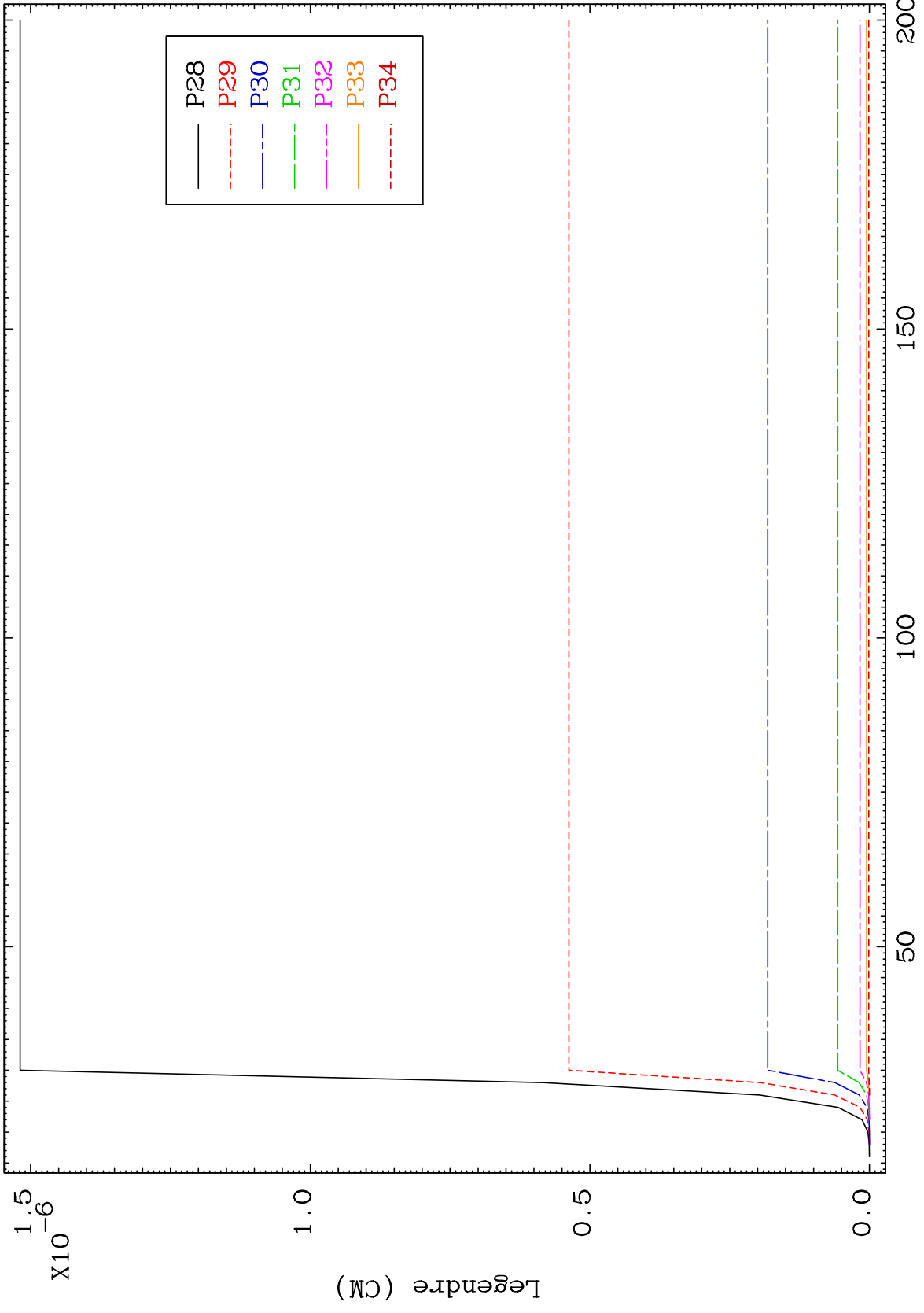
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



91

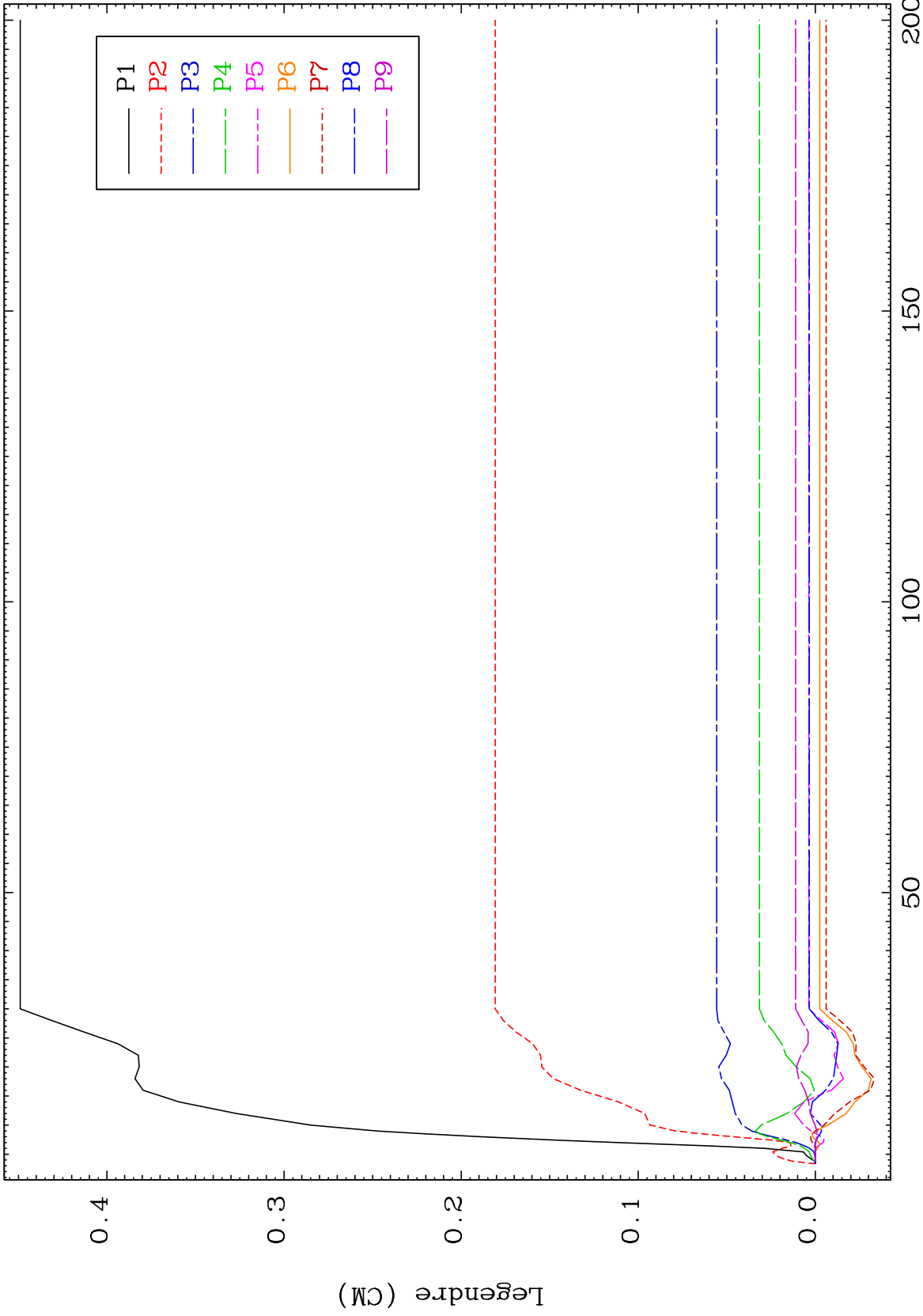
Incident Energy (MeV)

53-I -135

MAT 5349

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

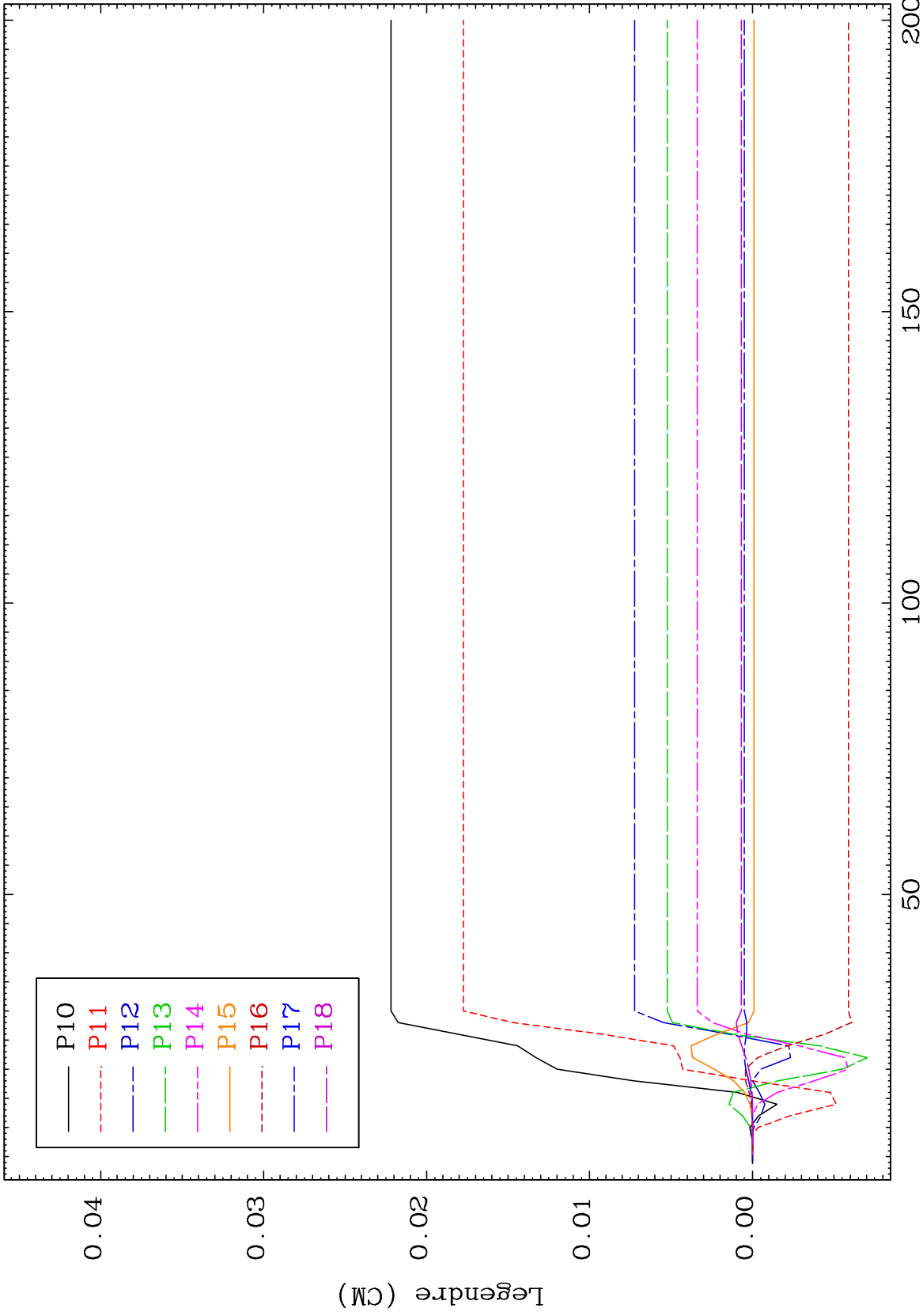
53-I -135



92

Incident Energy (MeV)

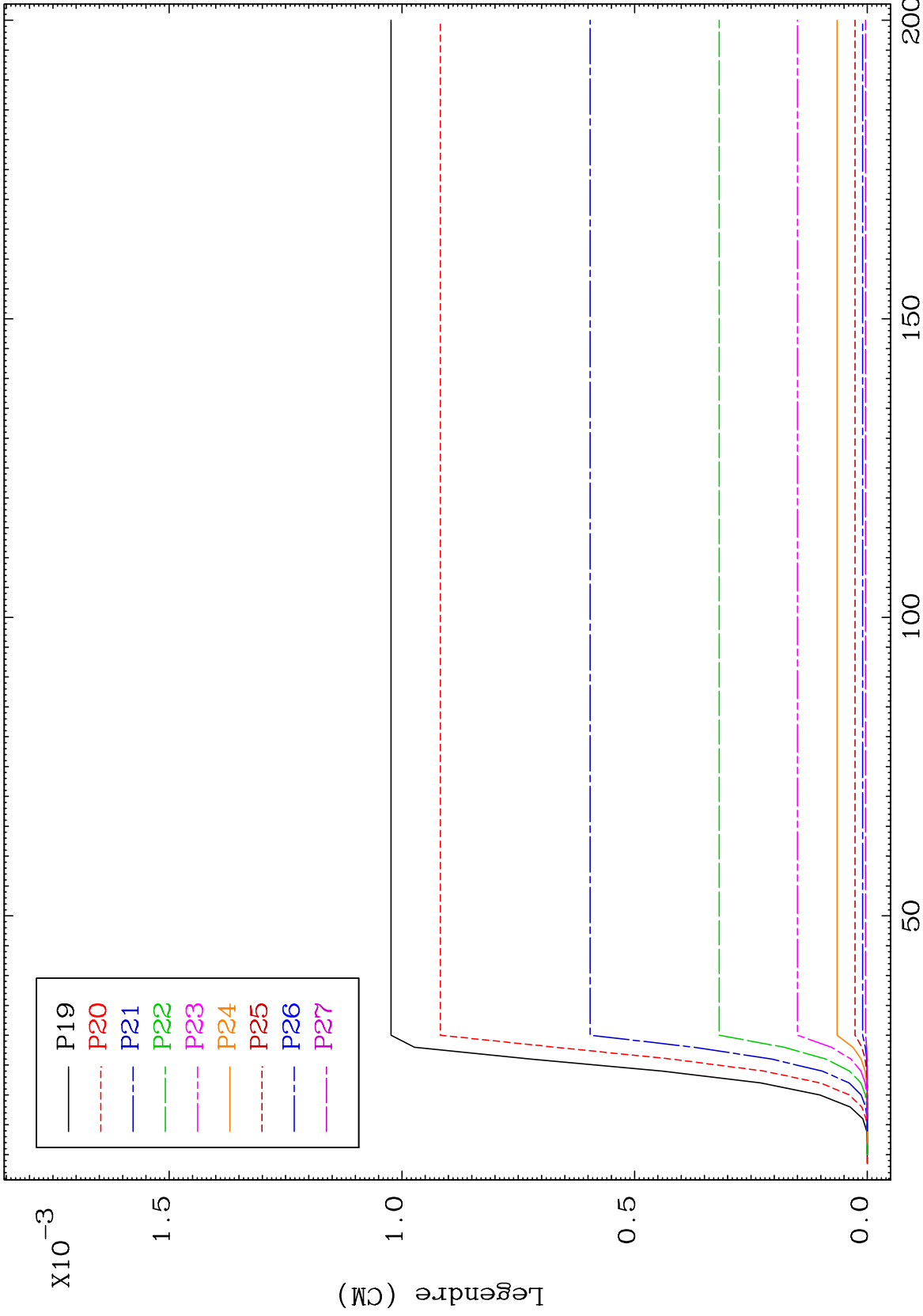
53-I -135



MAT 5349

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

53-I -135



94

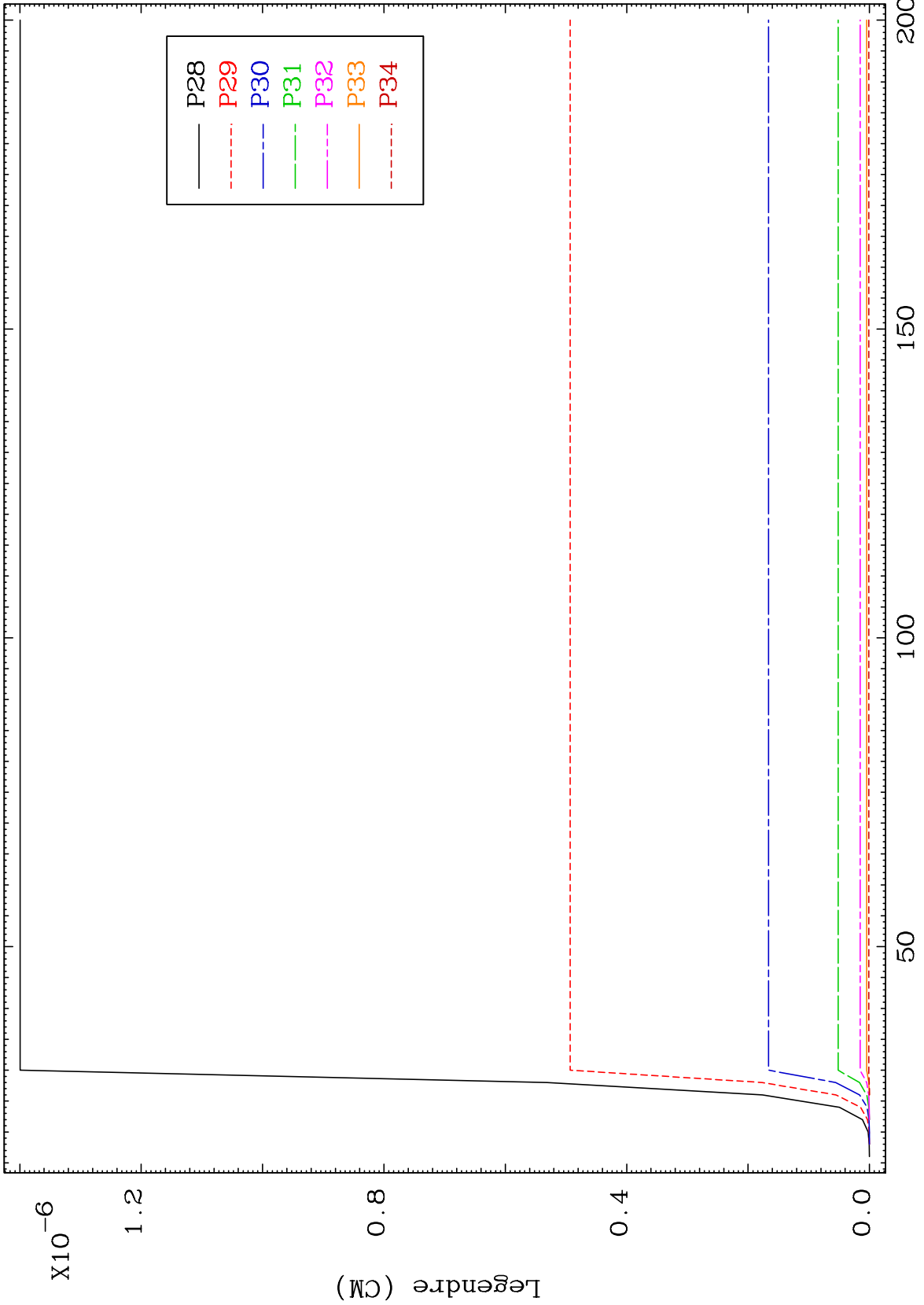
Incident Energy (MeV)

53-I -135

MAT 5349

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

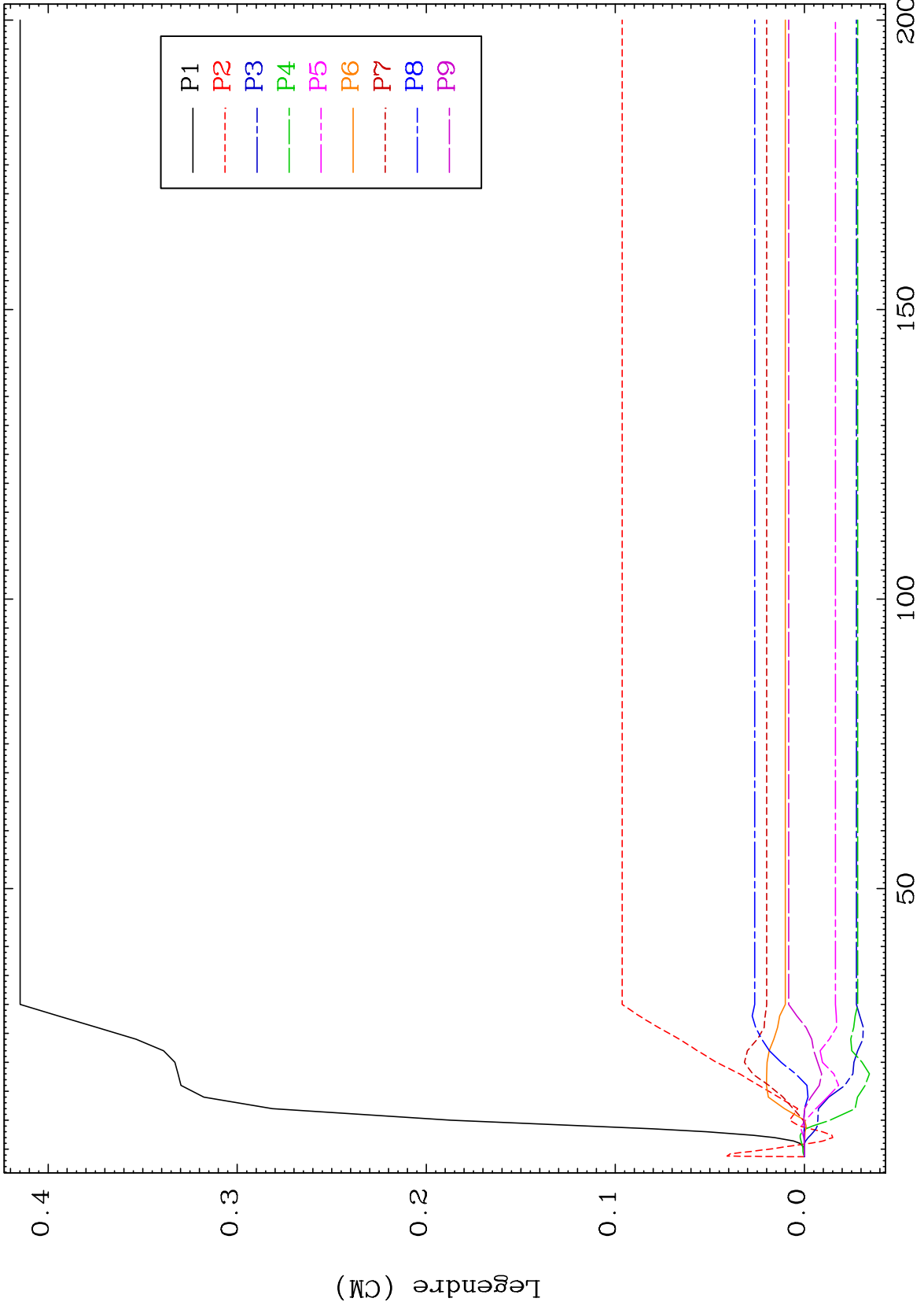
53-I -135



95

Incident Energy (MeV)

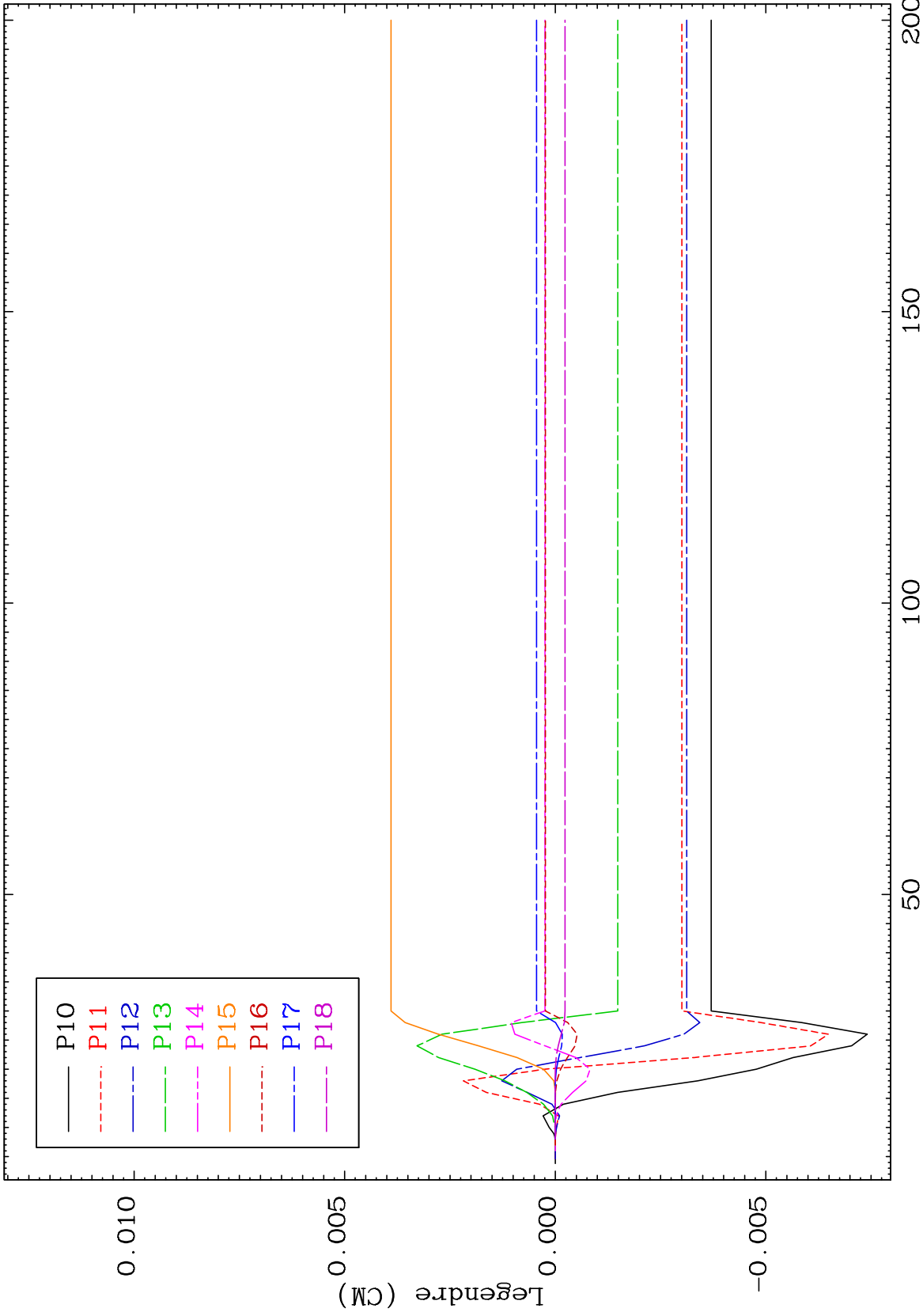
53-I -135



MAT 5349

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

53-I -135



97

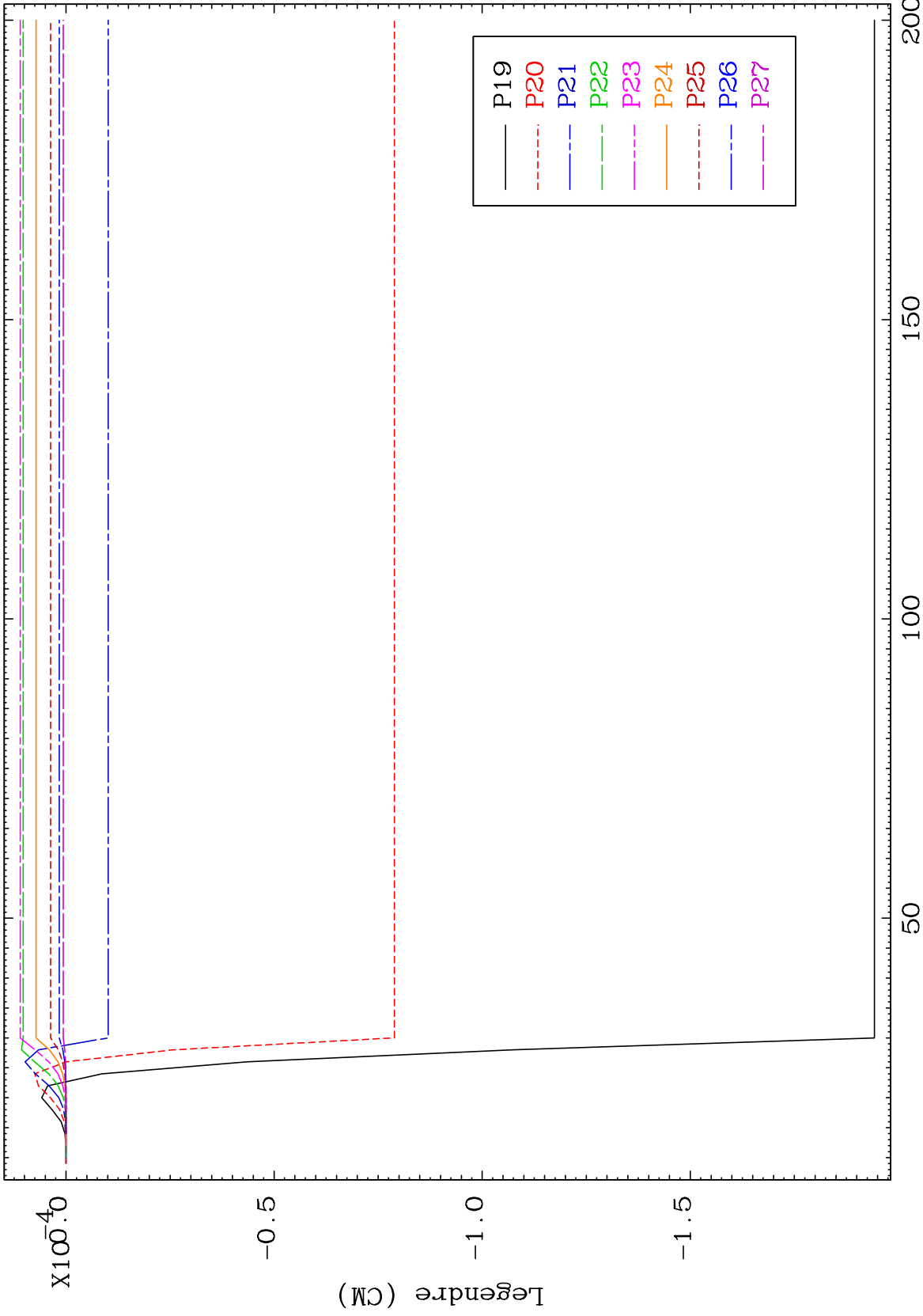
Incident Energy (MeV)

53-I -135

MAT 5349

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

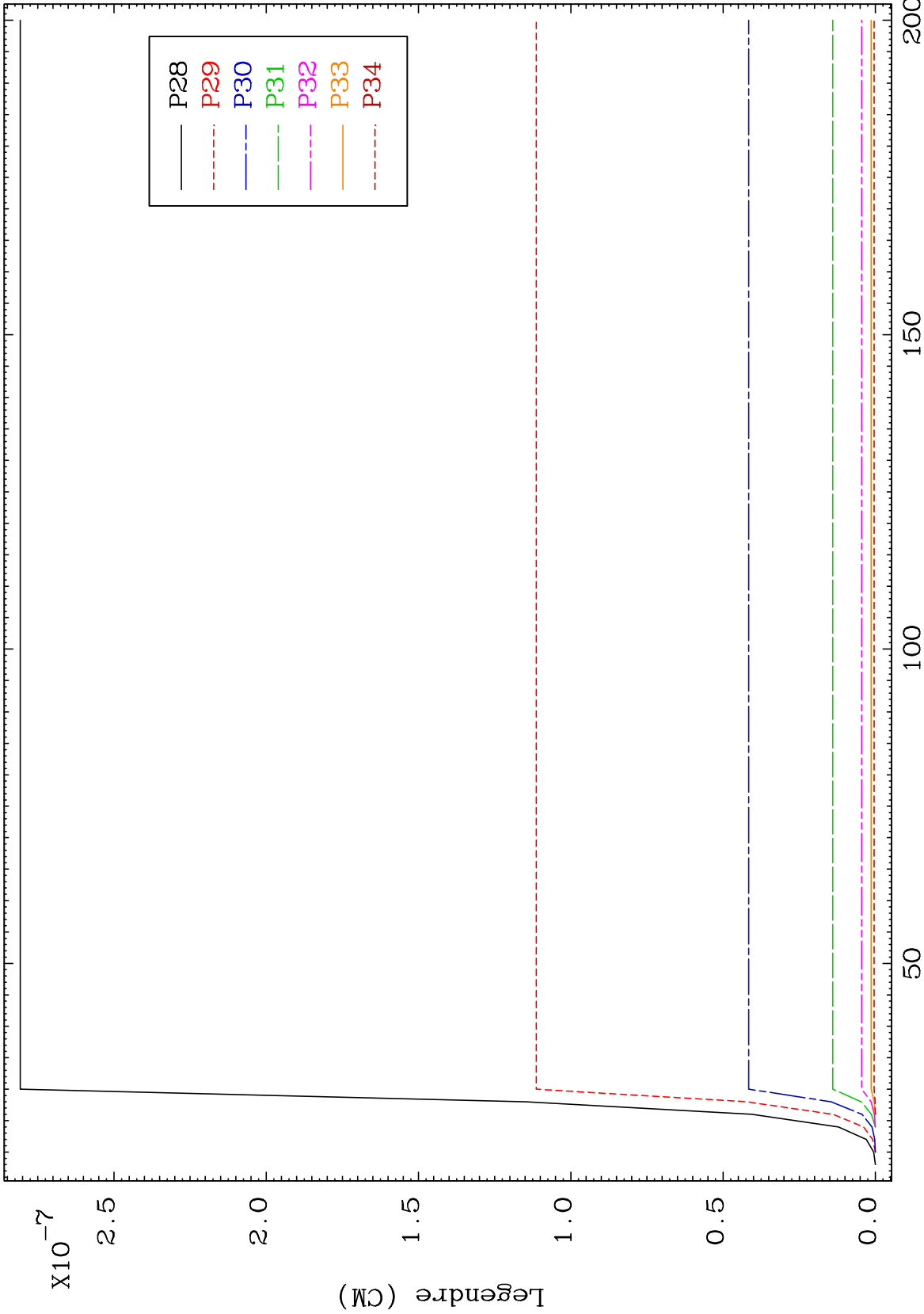
53-I -135



98

Incident Energy (MeV)

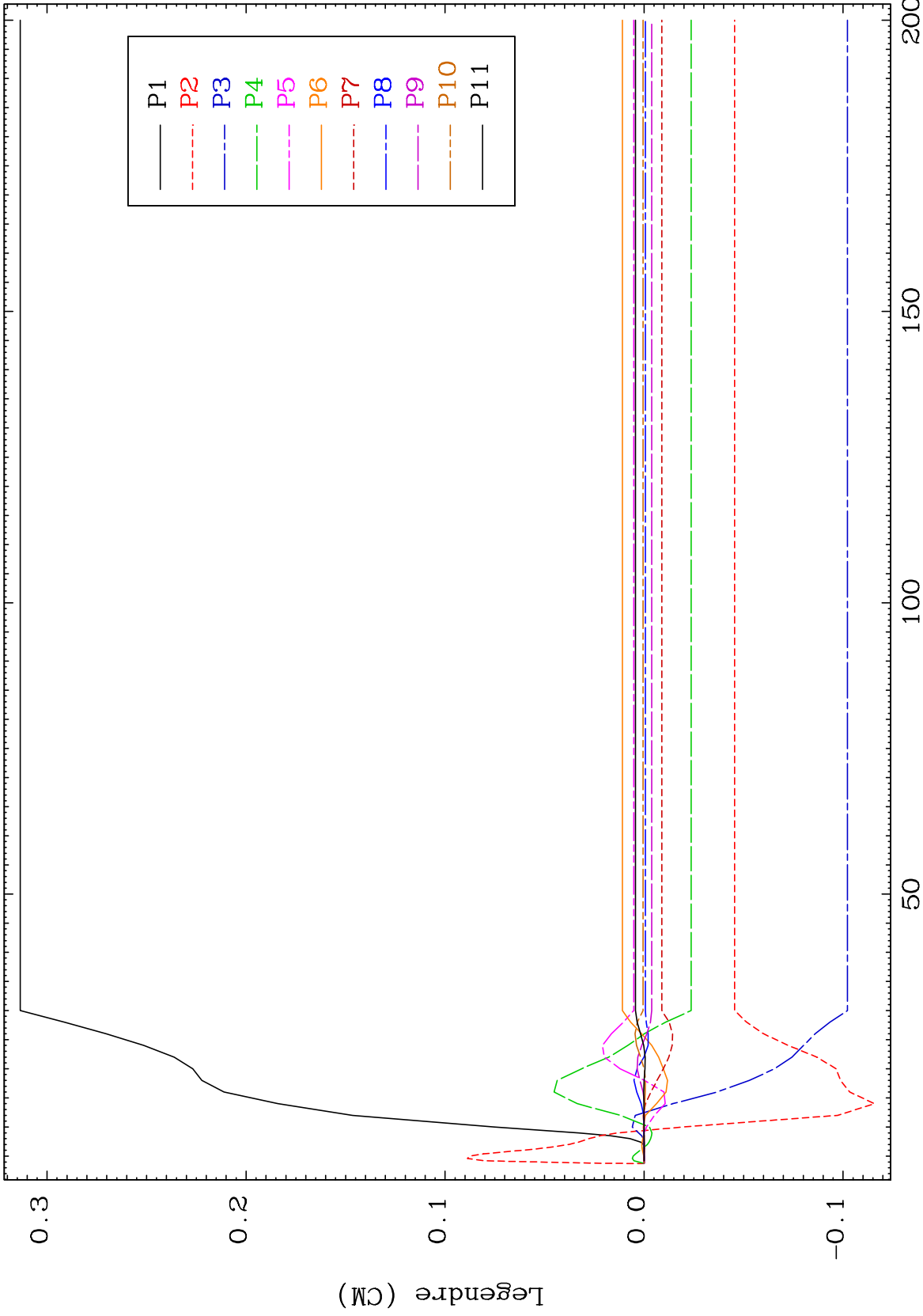
53-I -135



MAT 5349

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

53-I -135



100

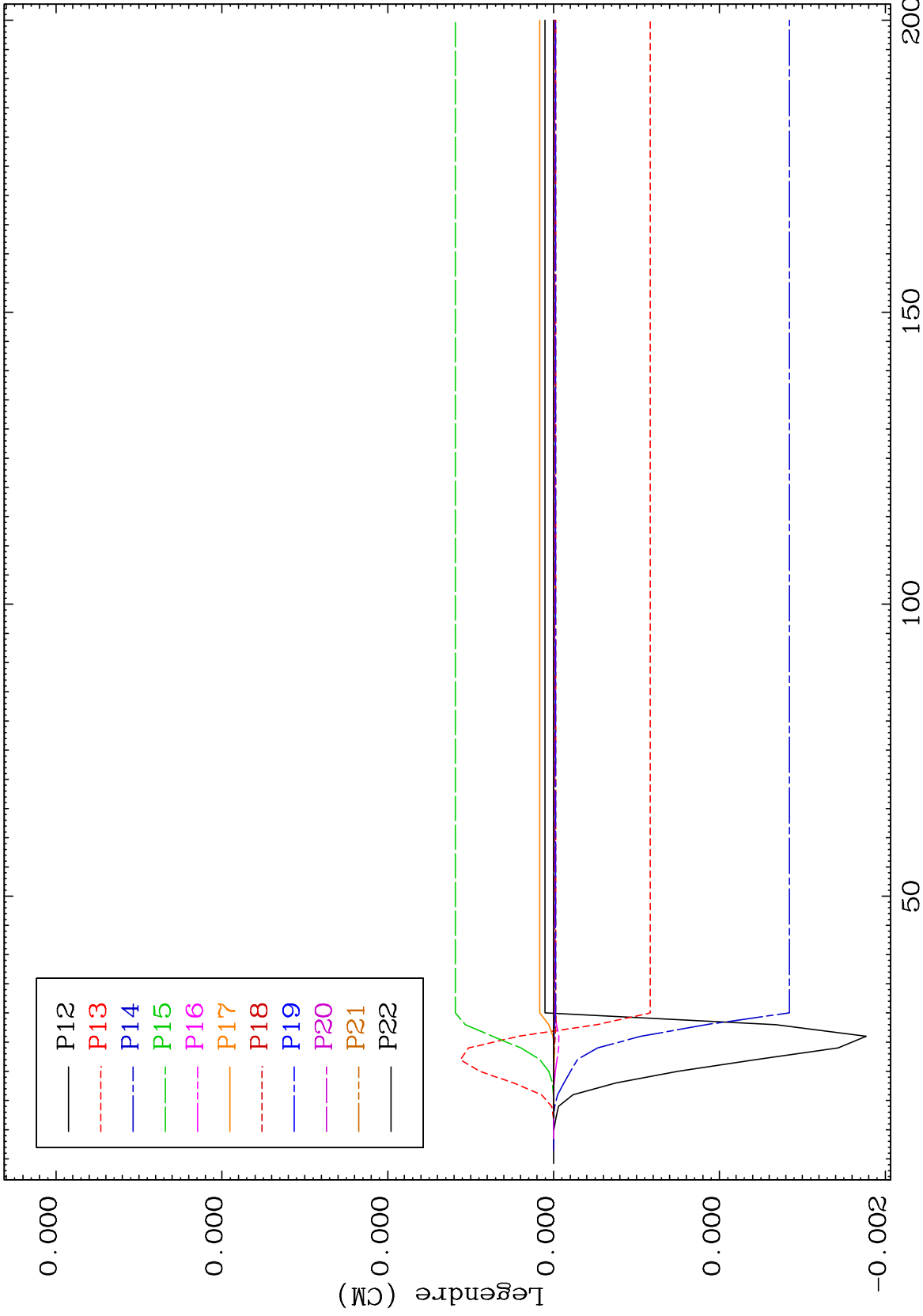
50

100

150

200

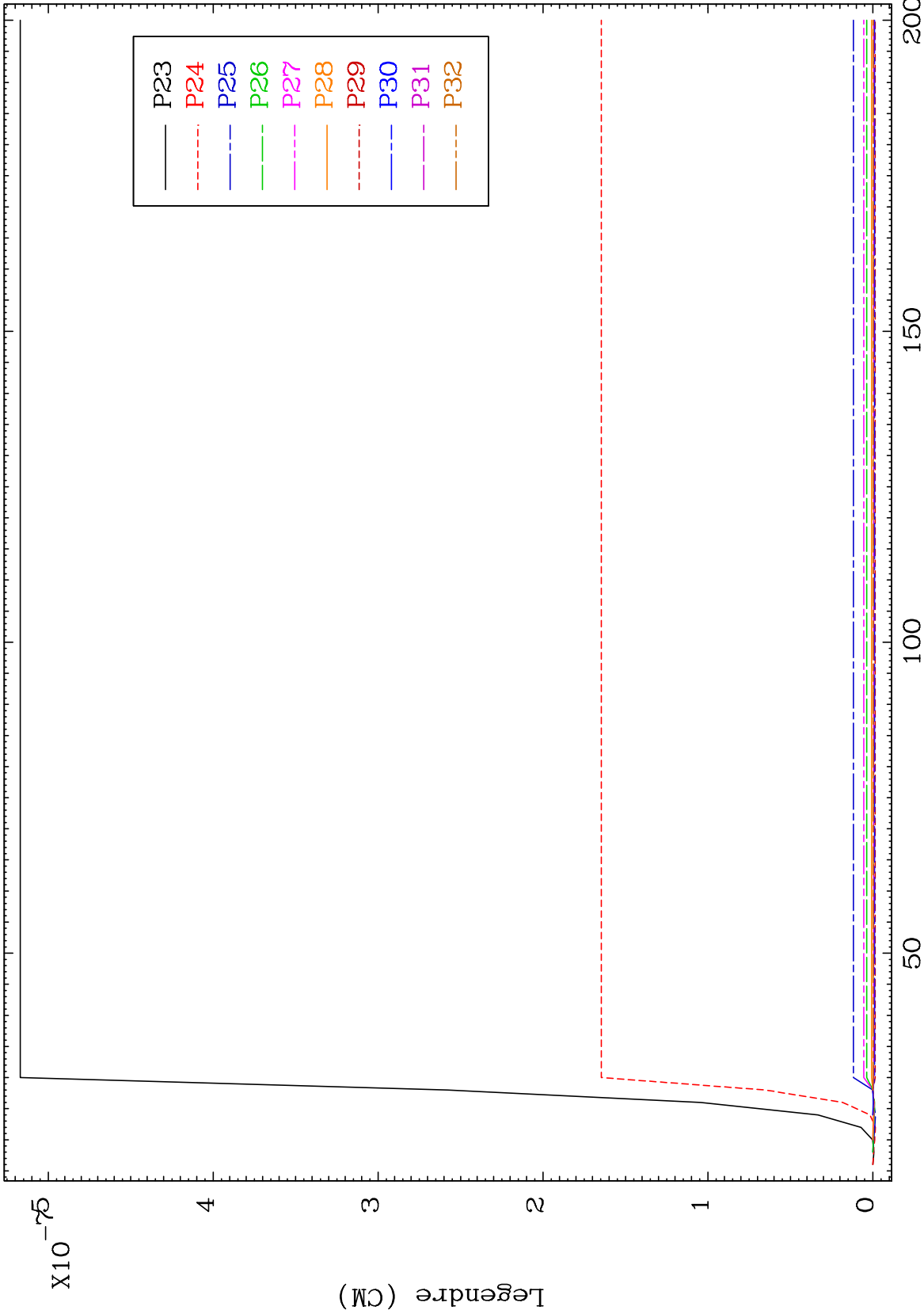
53-I -135



MAT 5349

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

53-I -135



102

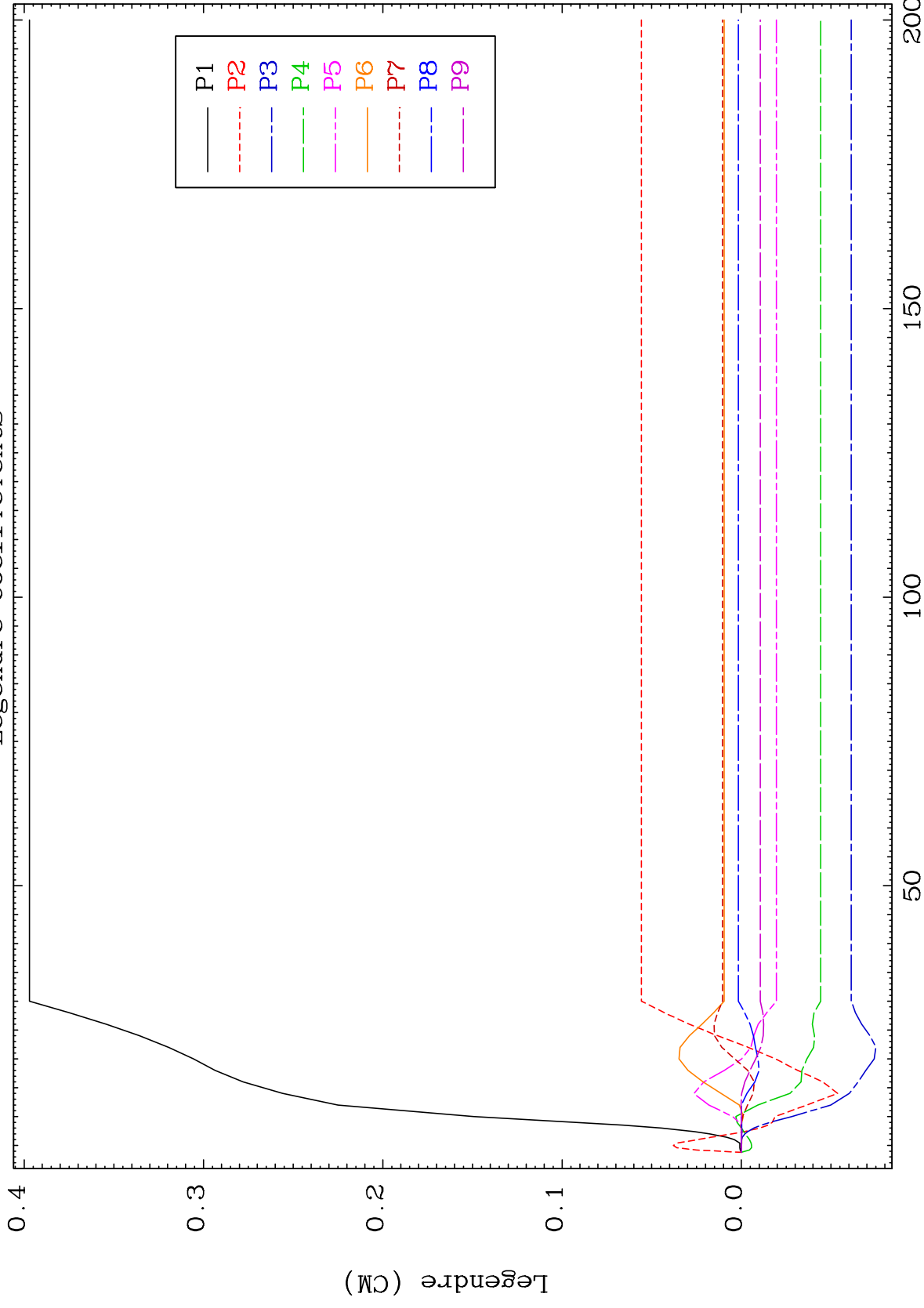
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



103

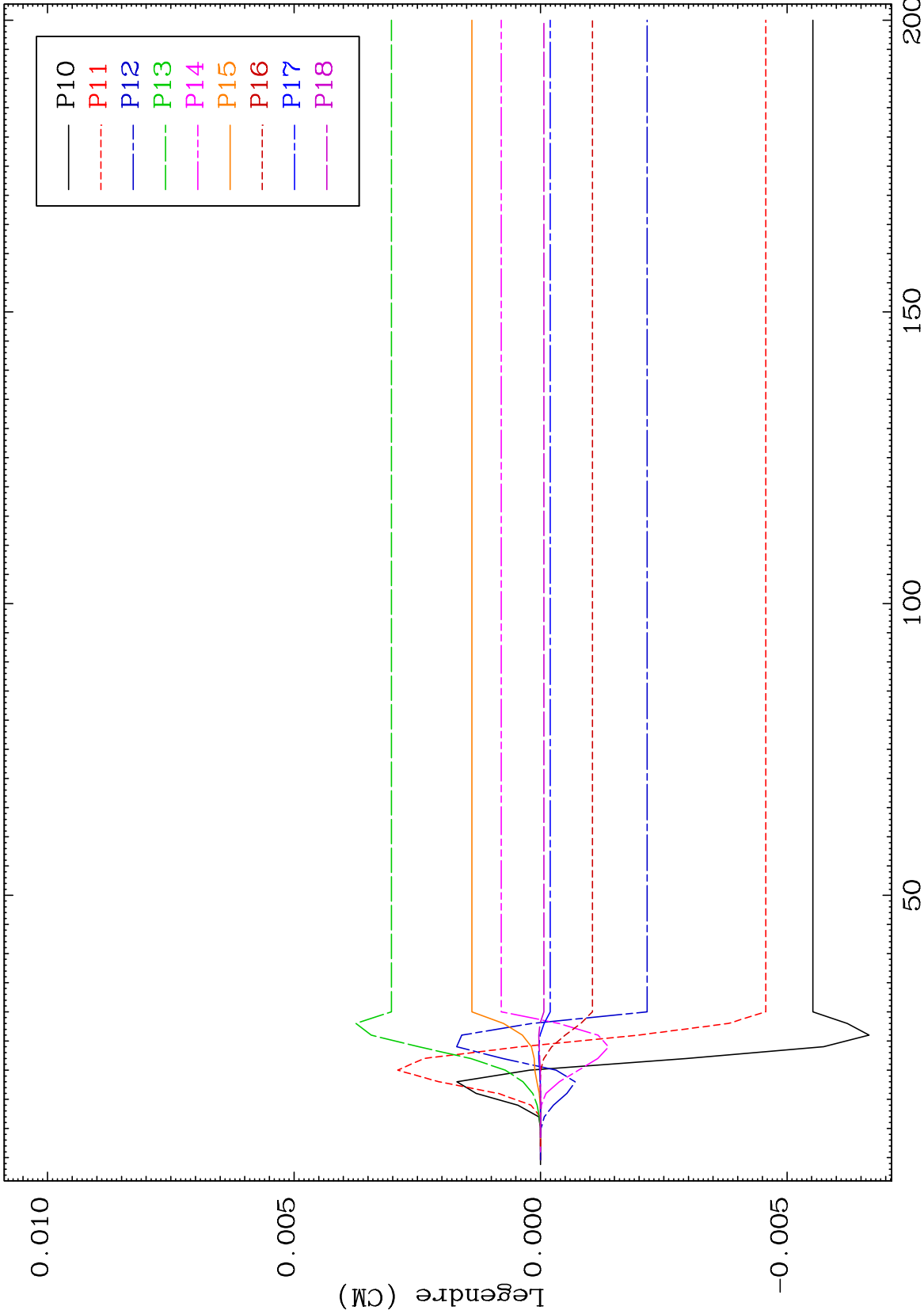
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



104

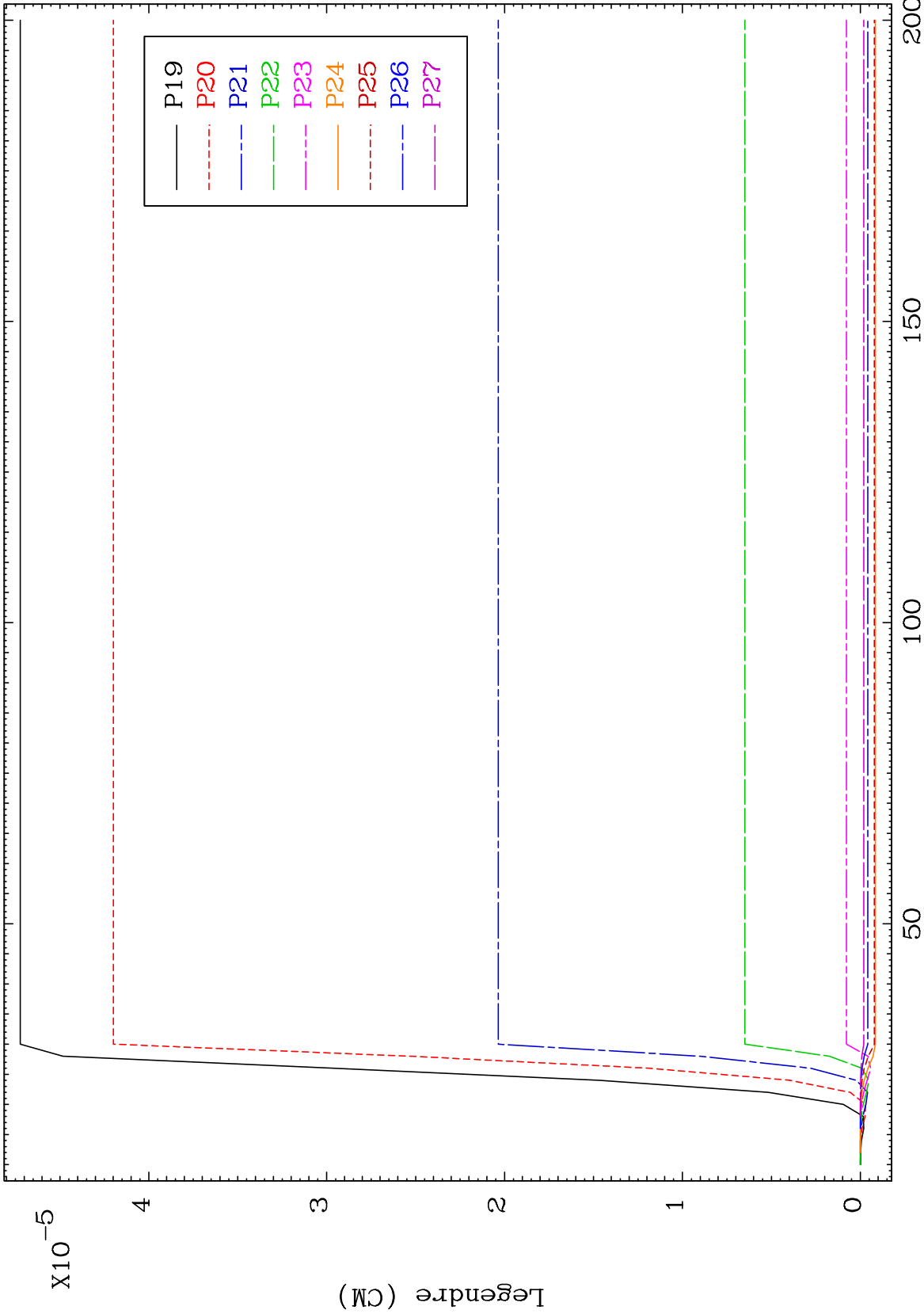
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135

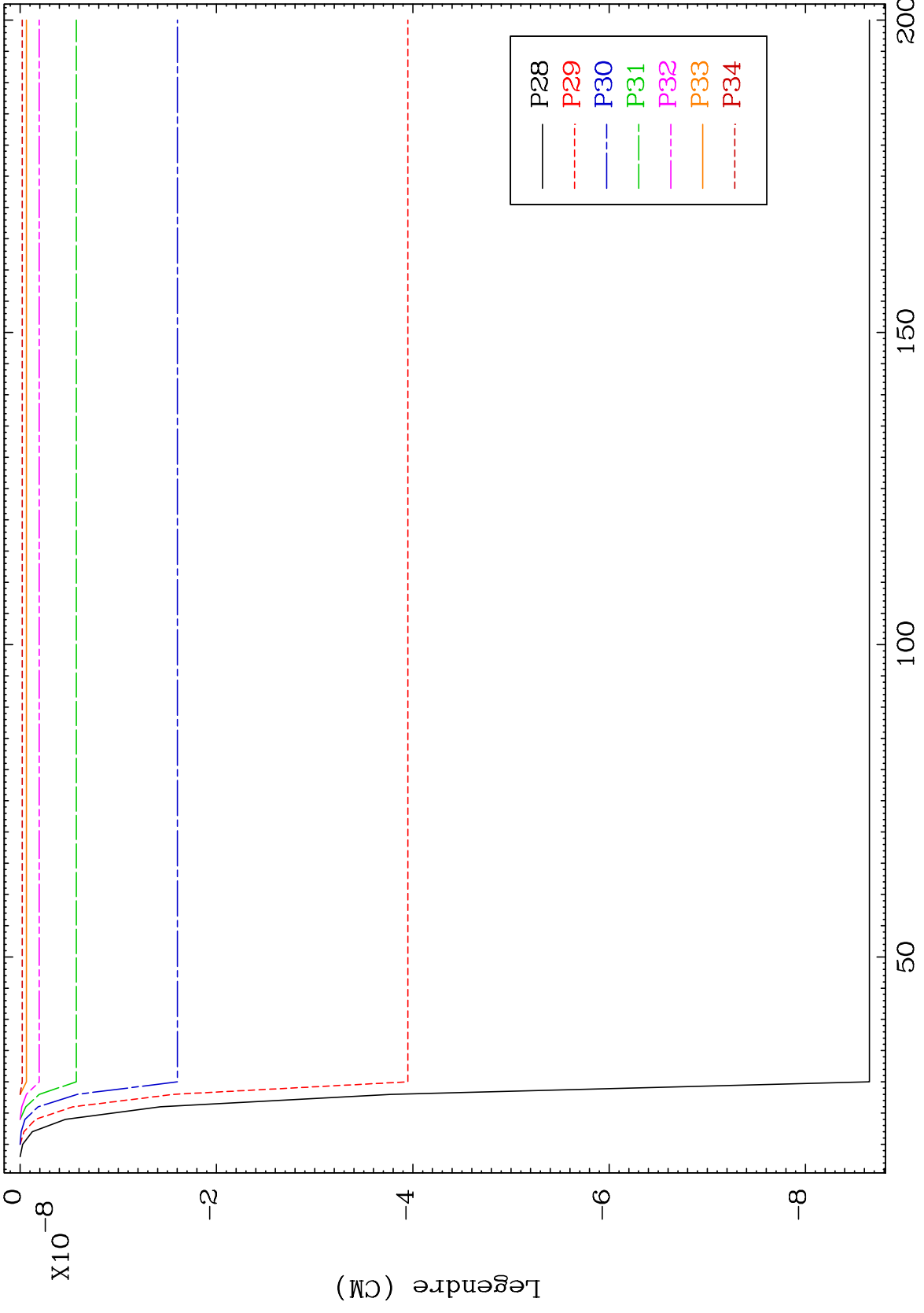


105

Incident Energy (MeV)

53-I -135

MAT 5349 MT= 72 (n,n') Level Legendre Coefficients 53-I -135

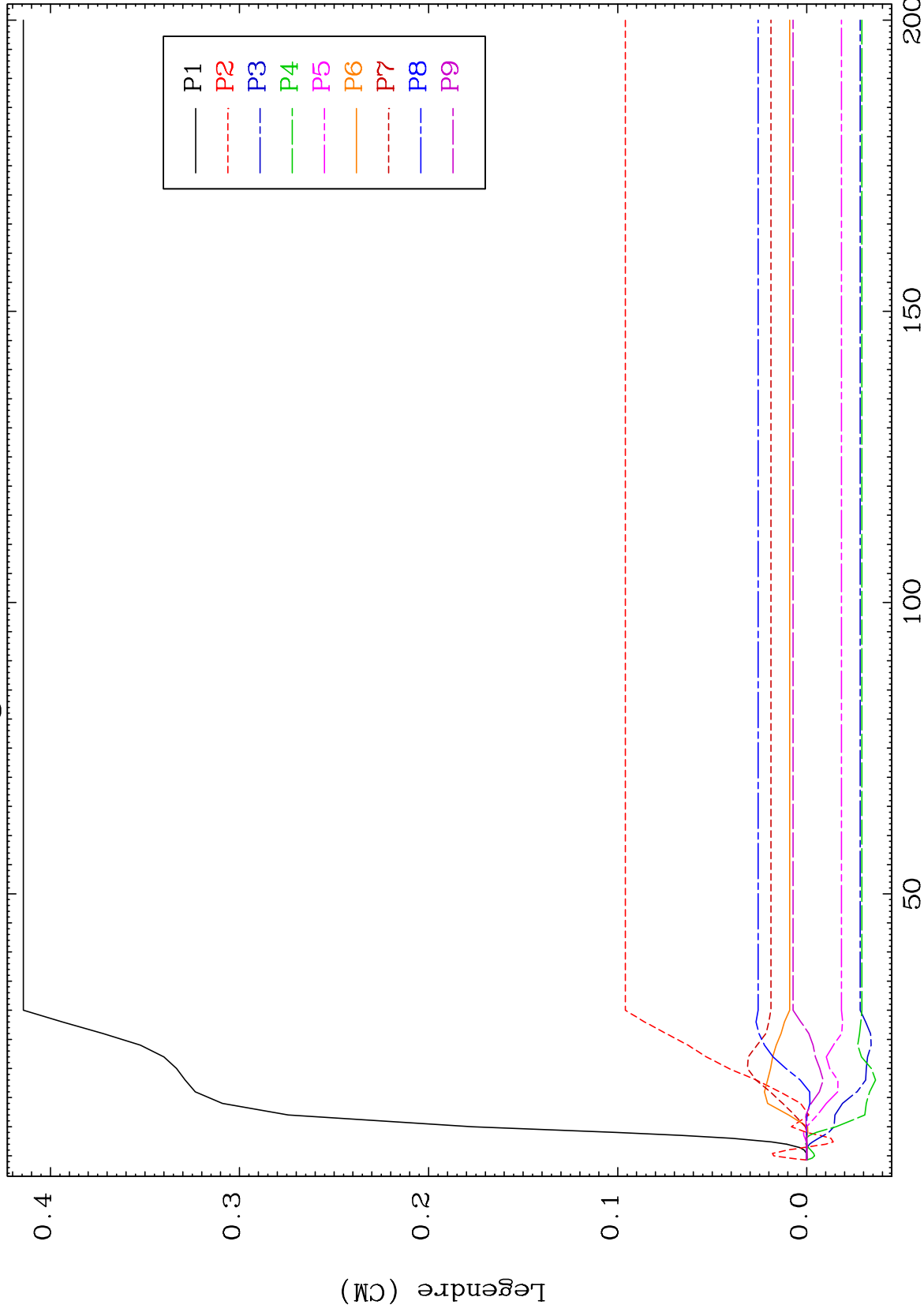


106 53-I -135

MAT 5349

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

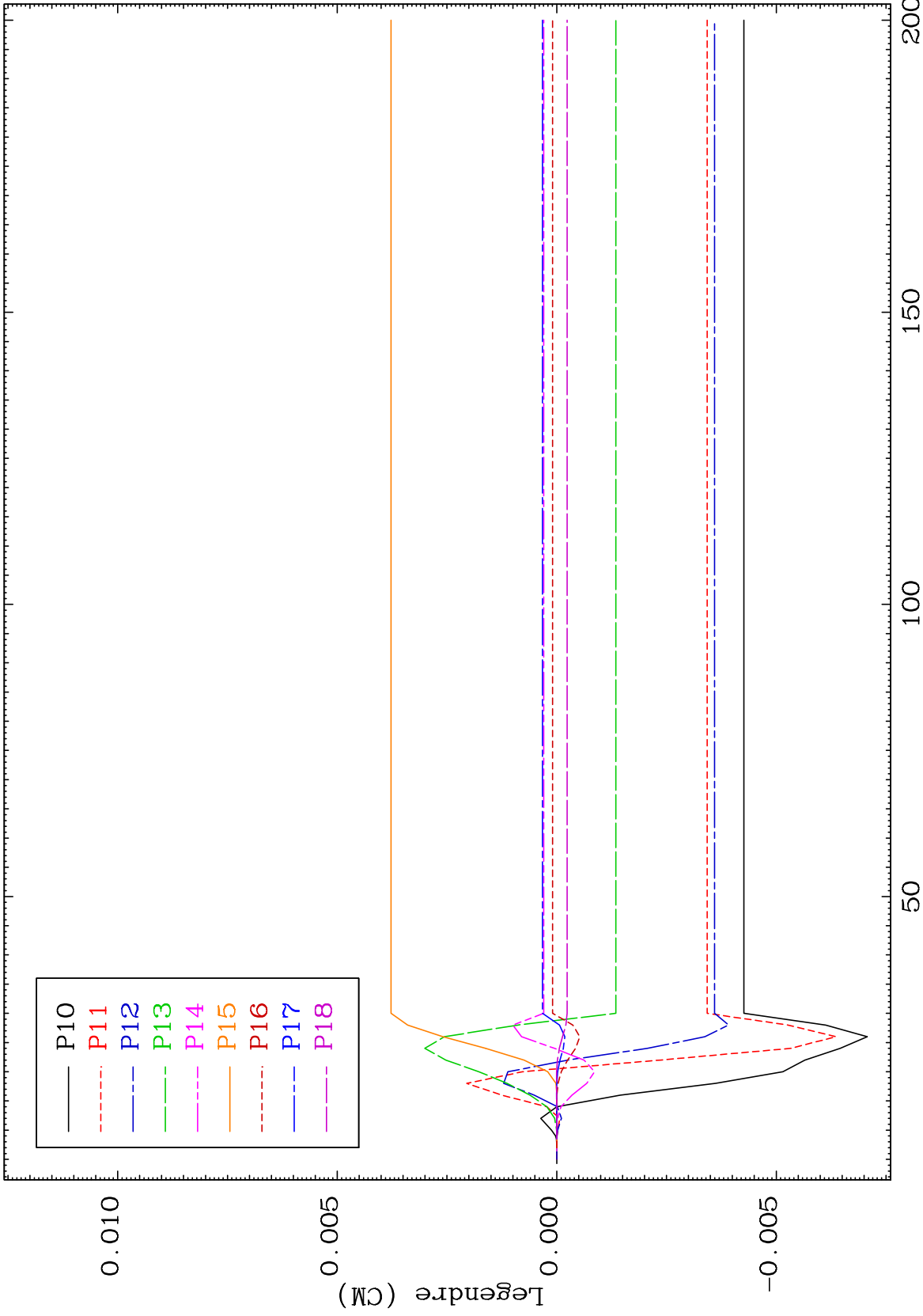
53-I -135



107

Incident Energy (MeV)

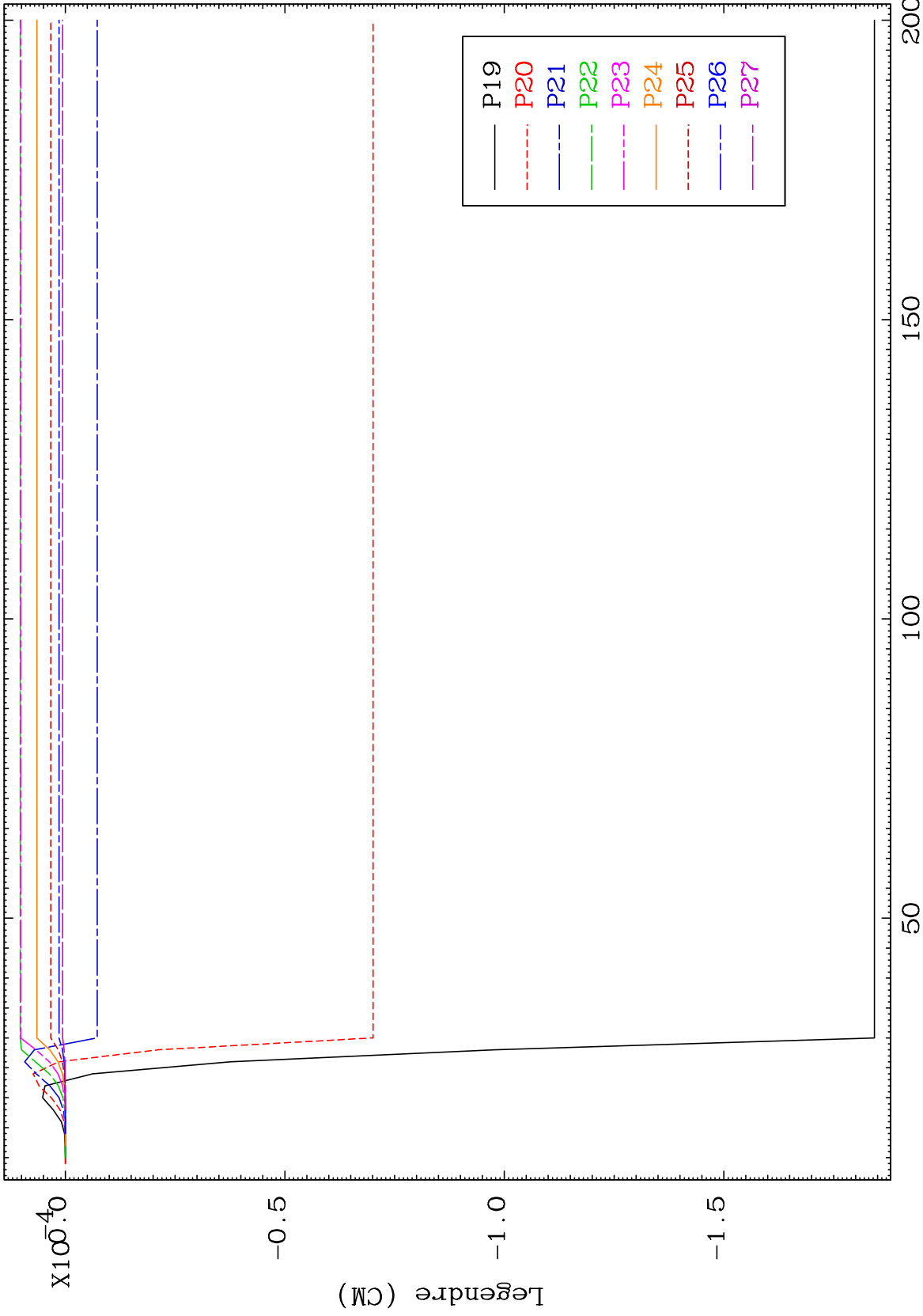
53-I -135



MAT 5349

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

53-I -135



109

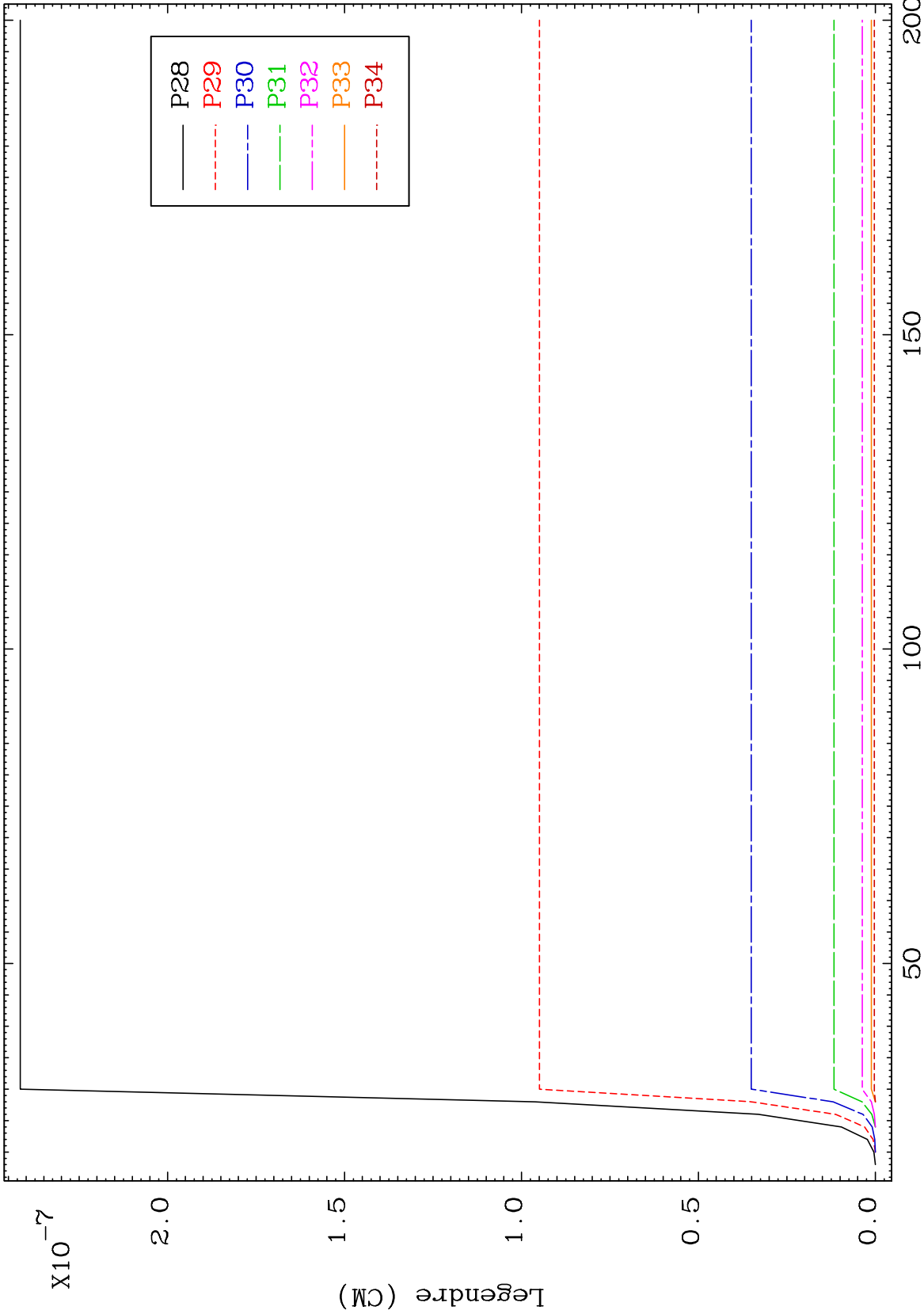
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



110

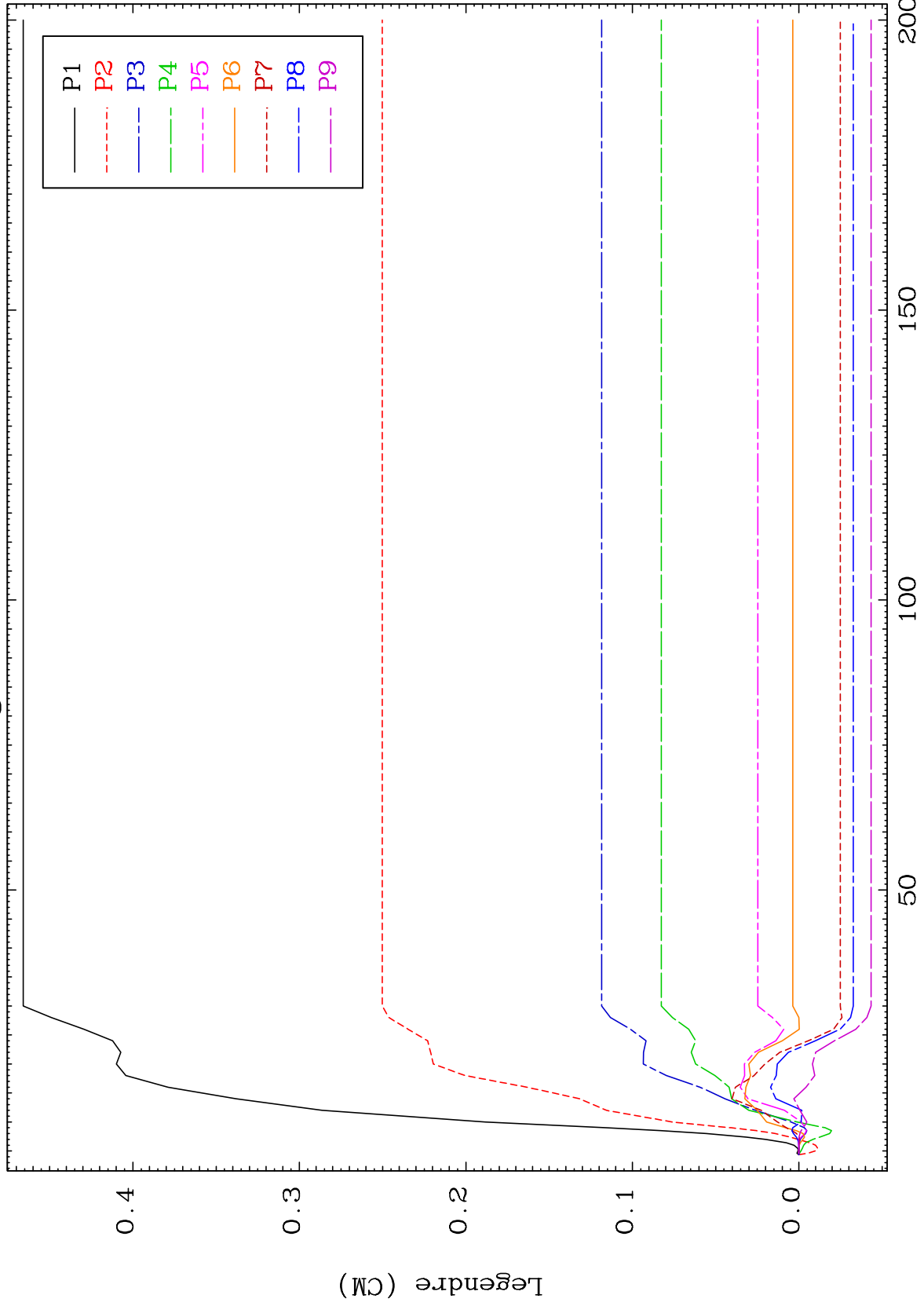
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



111

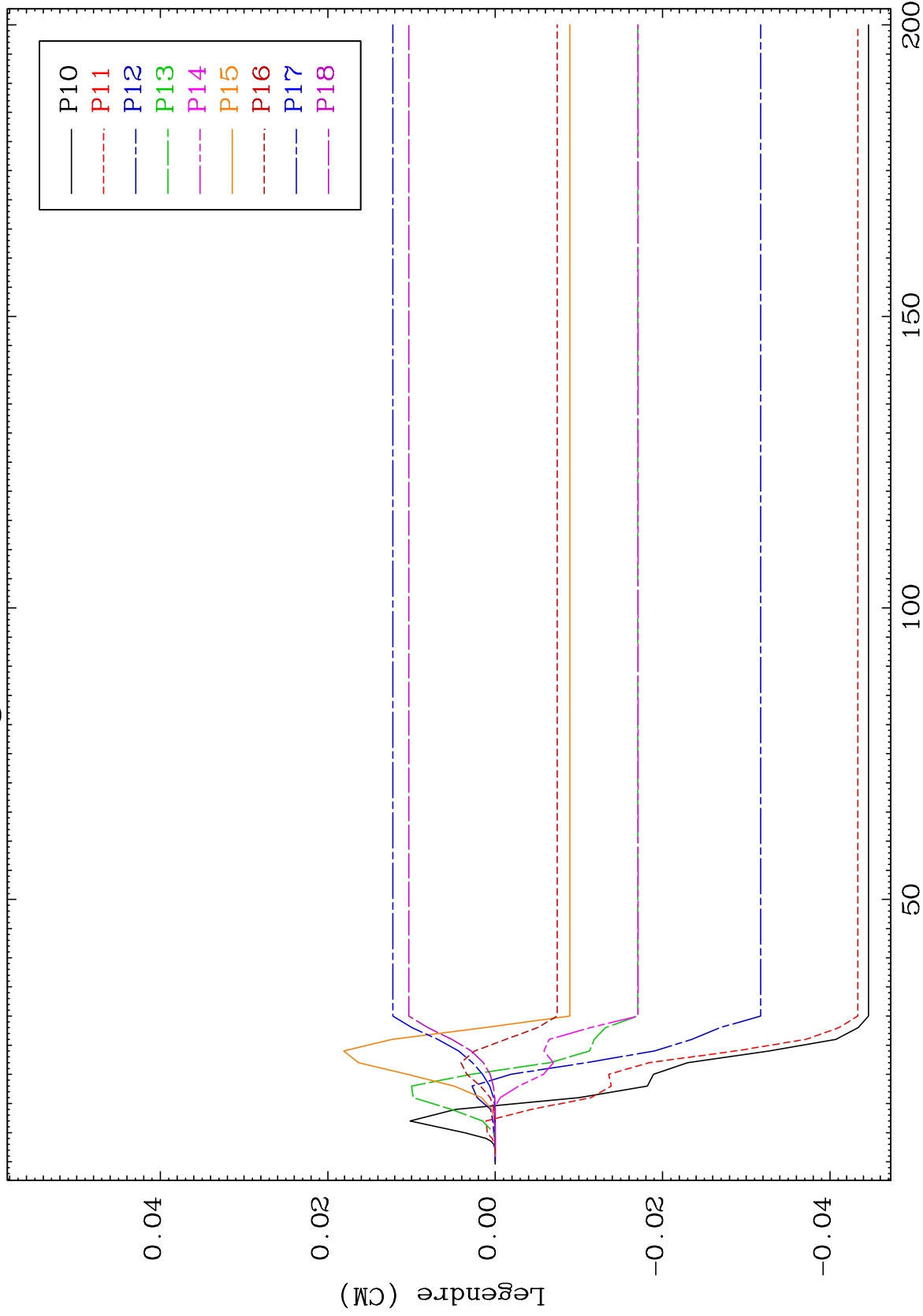
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



112

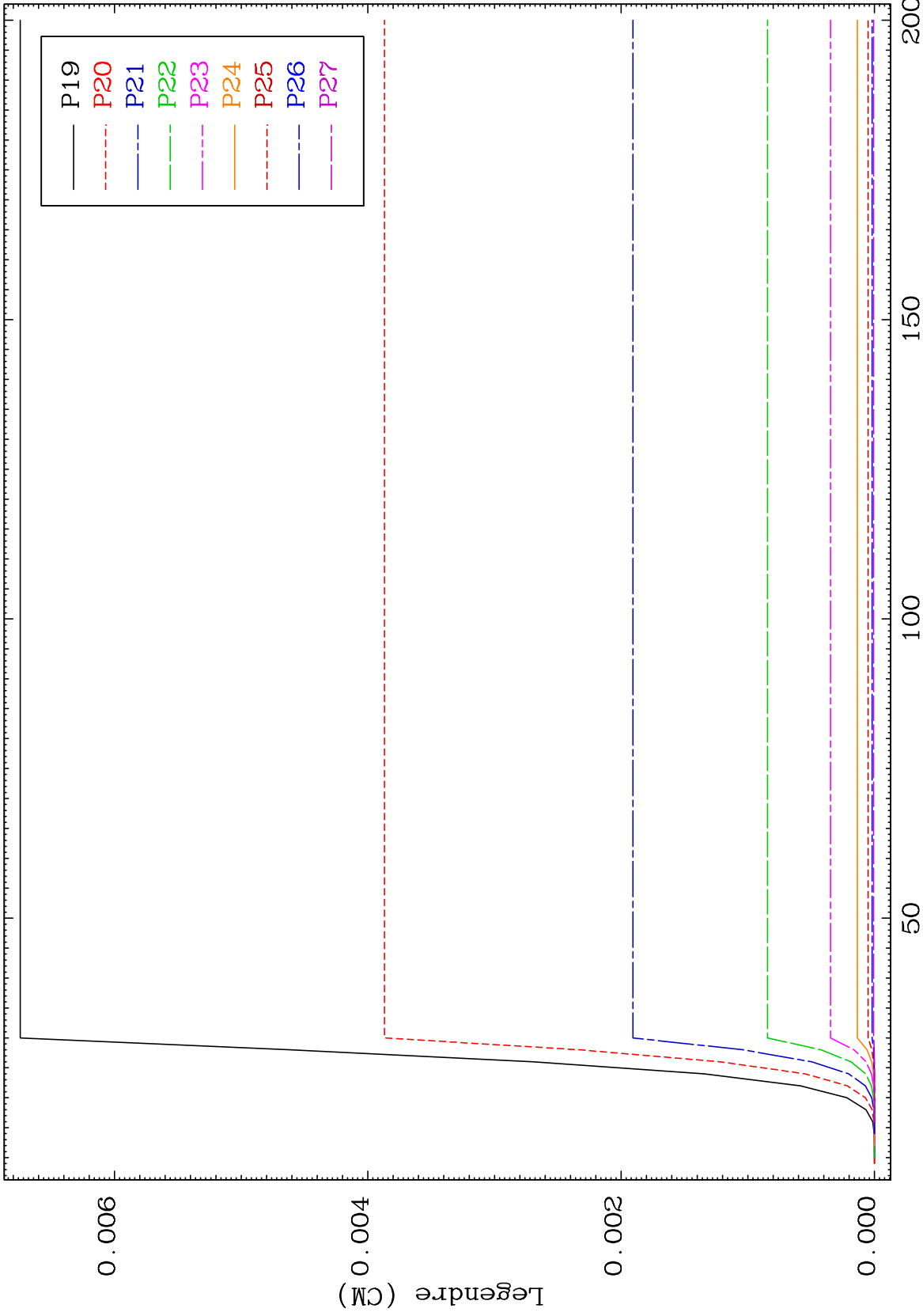
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



113

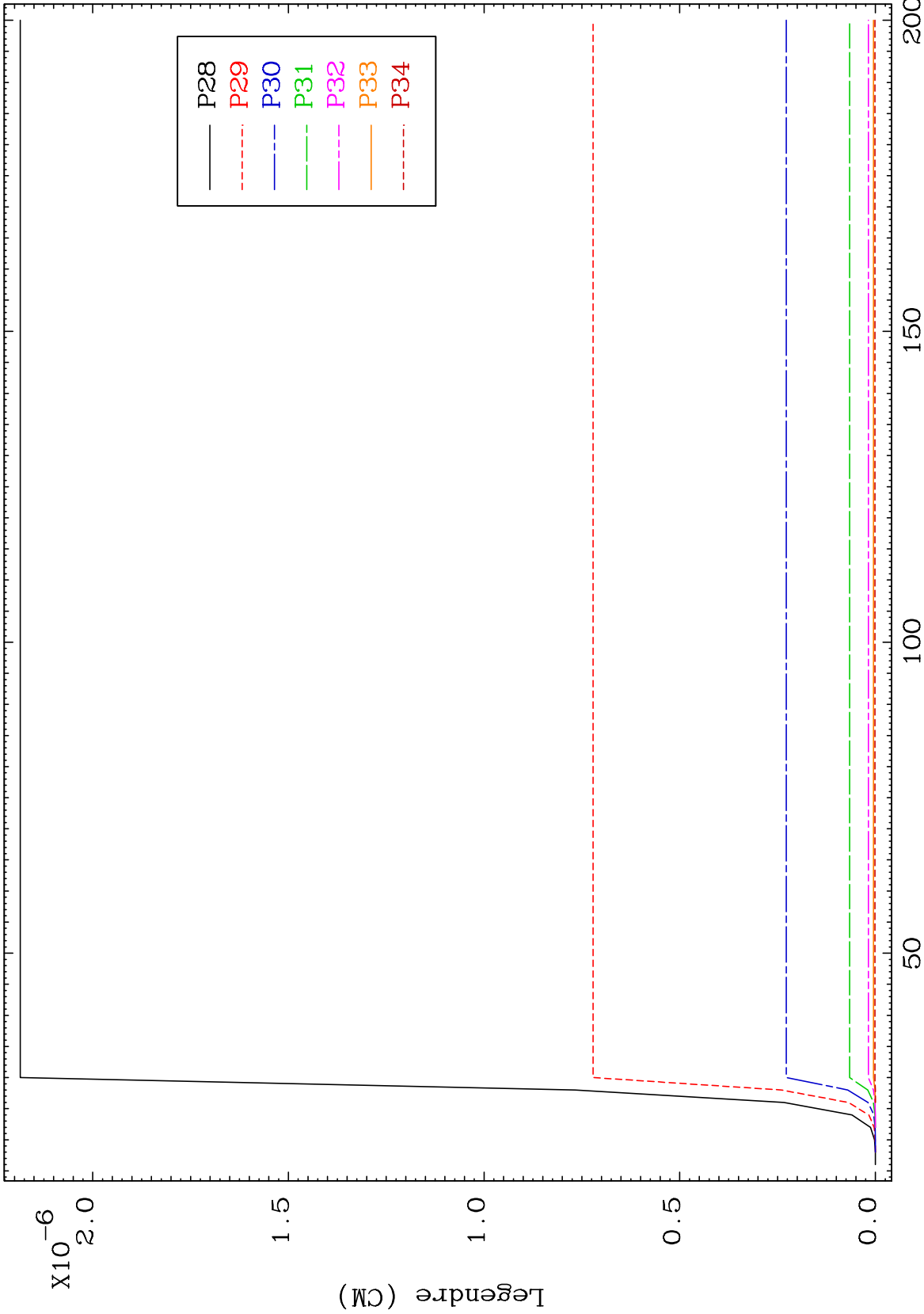
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



114

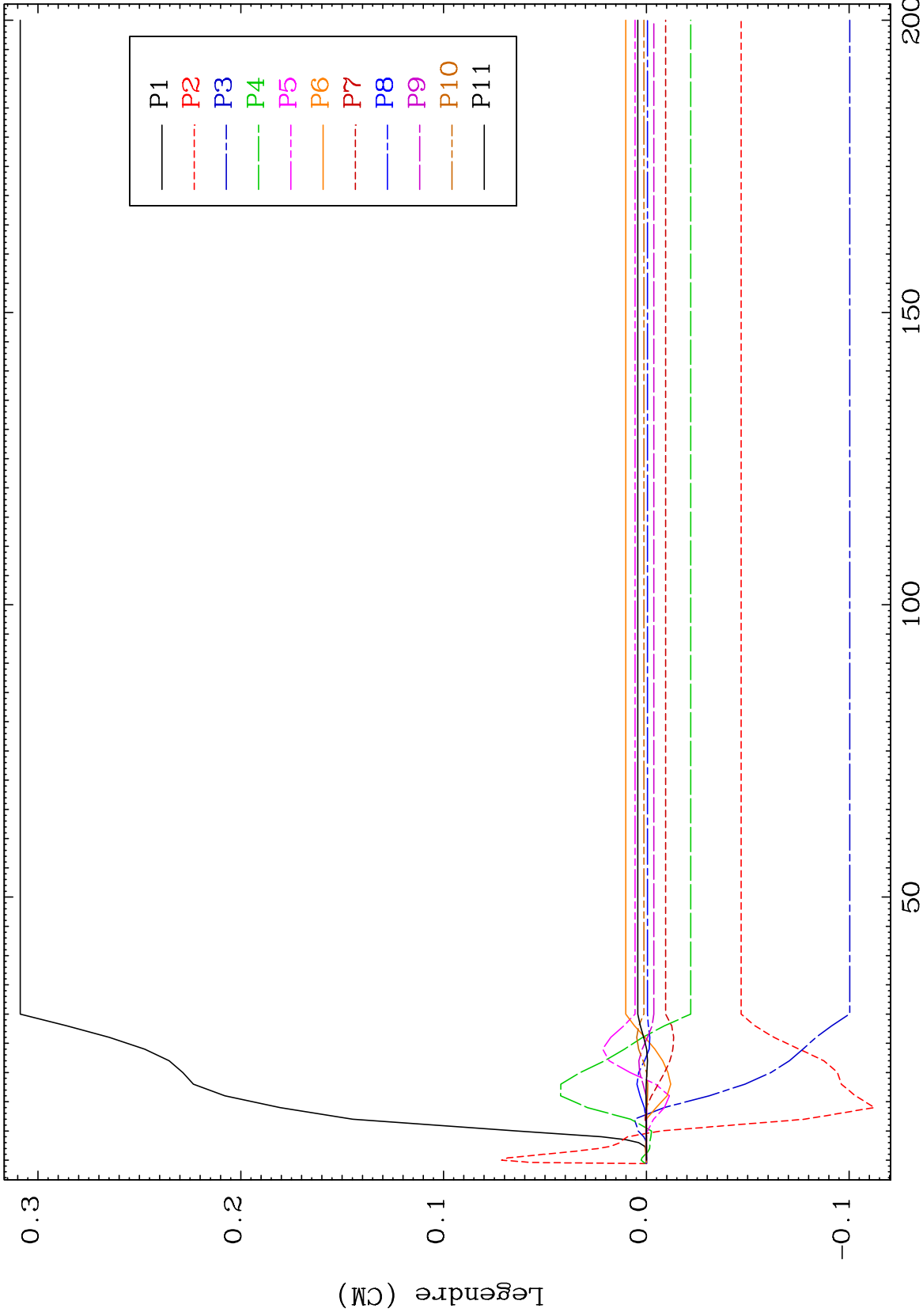
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



115

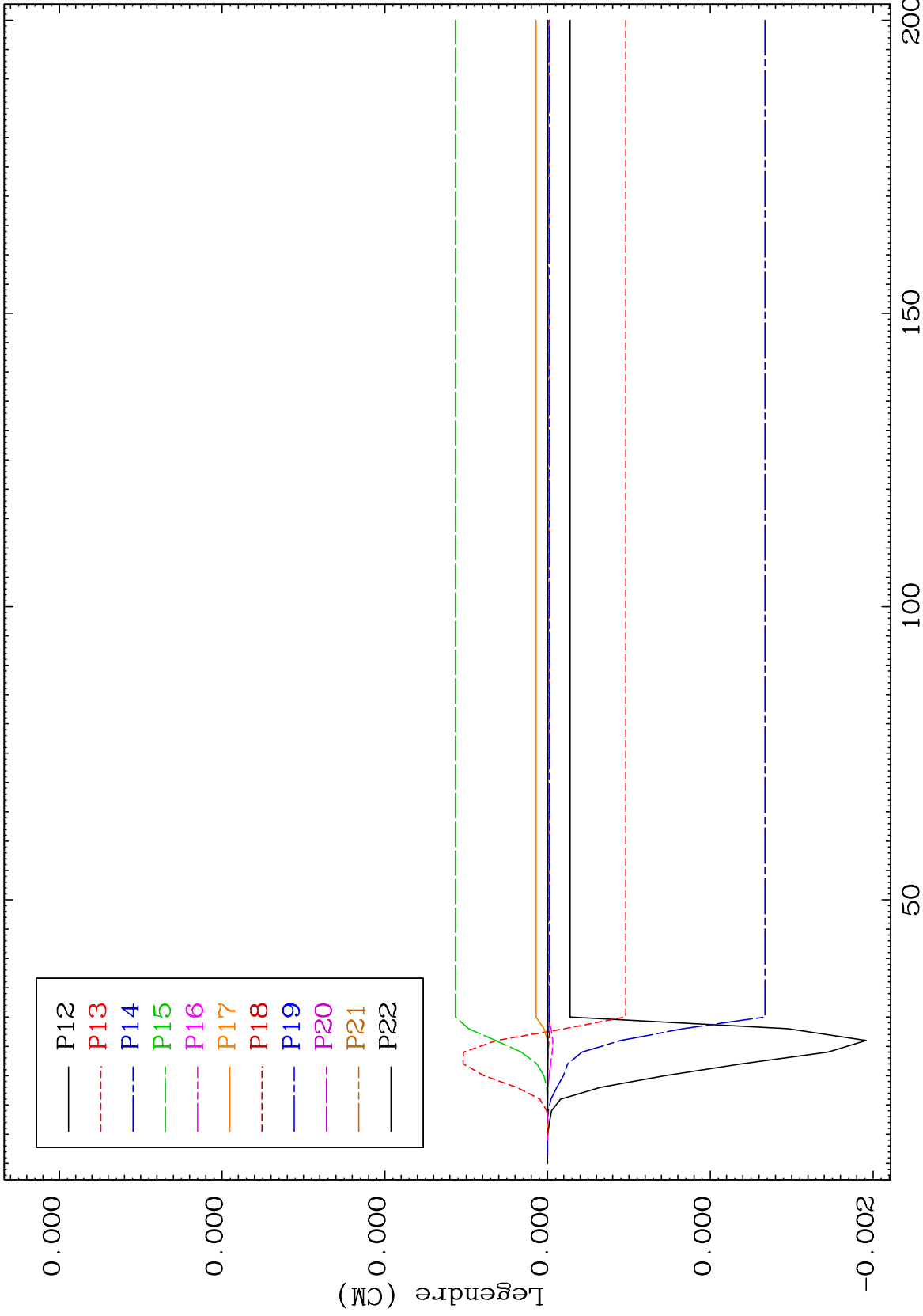
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



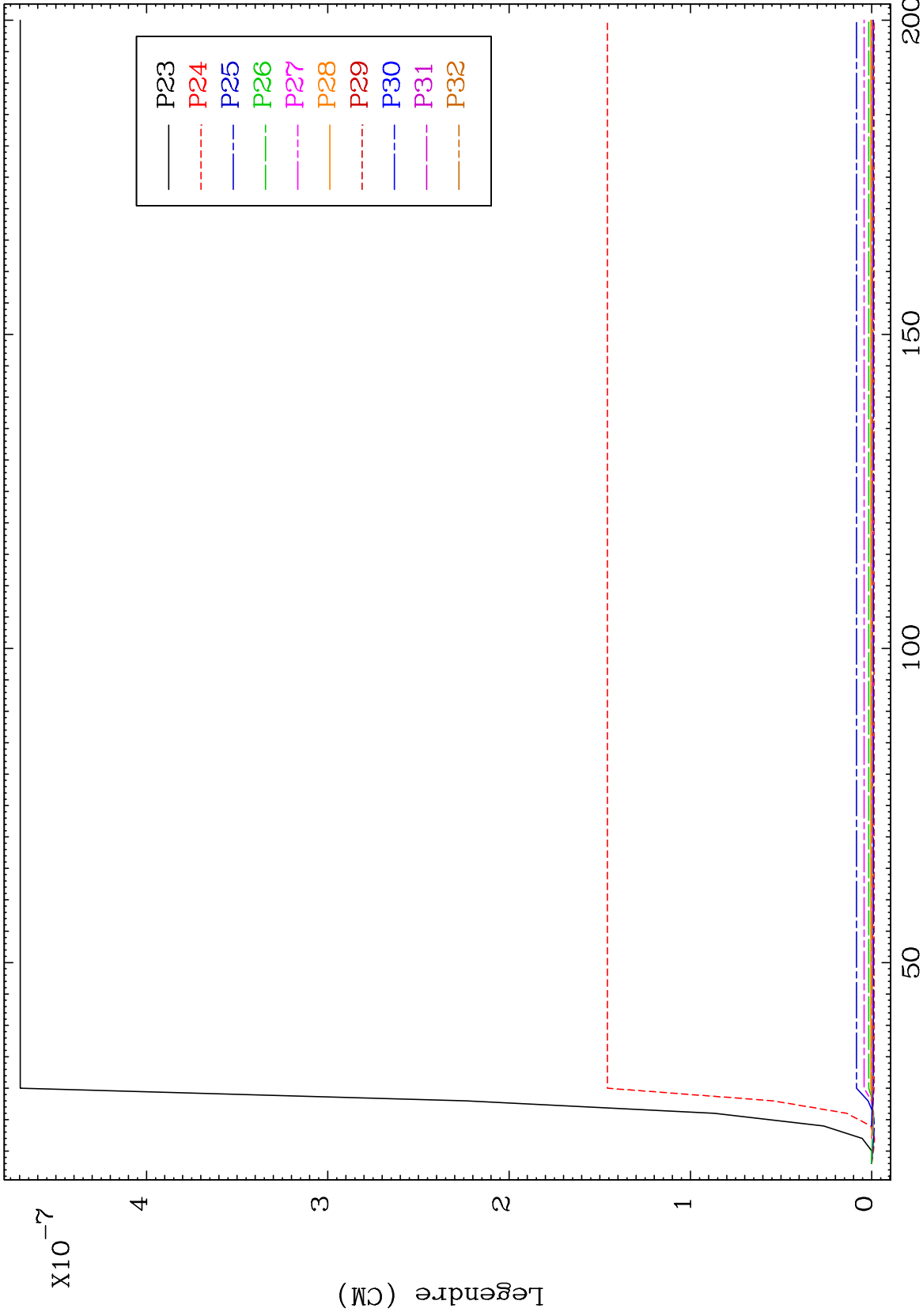
116

53-I -135

MAT 5349

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

53-I -135



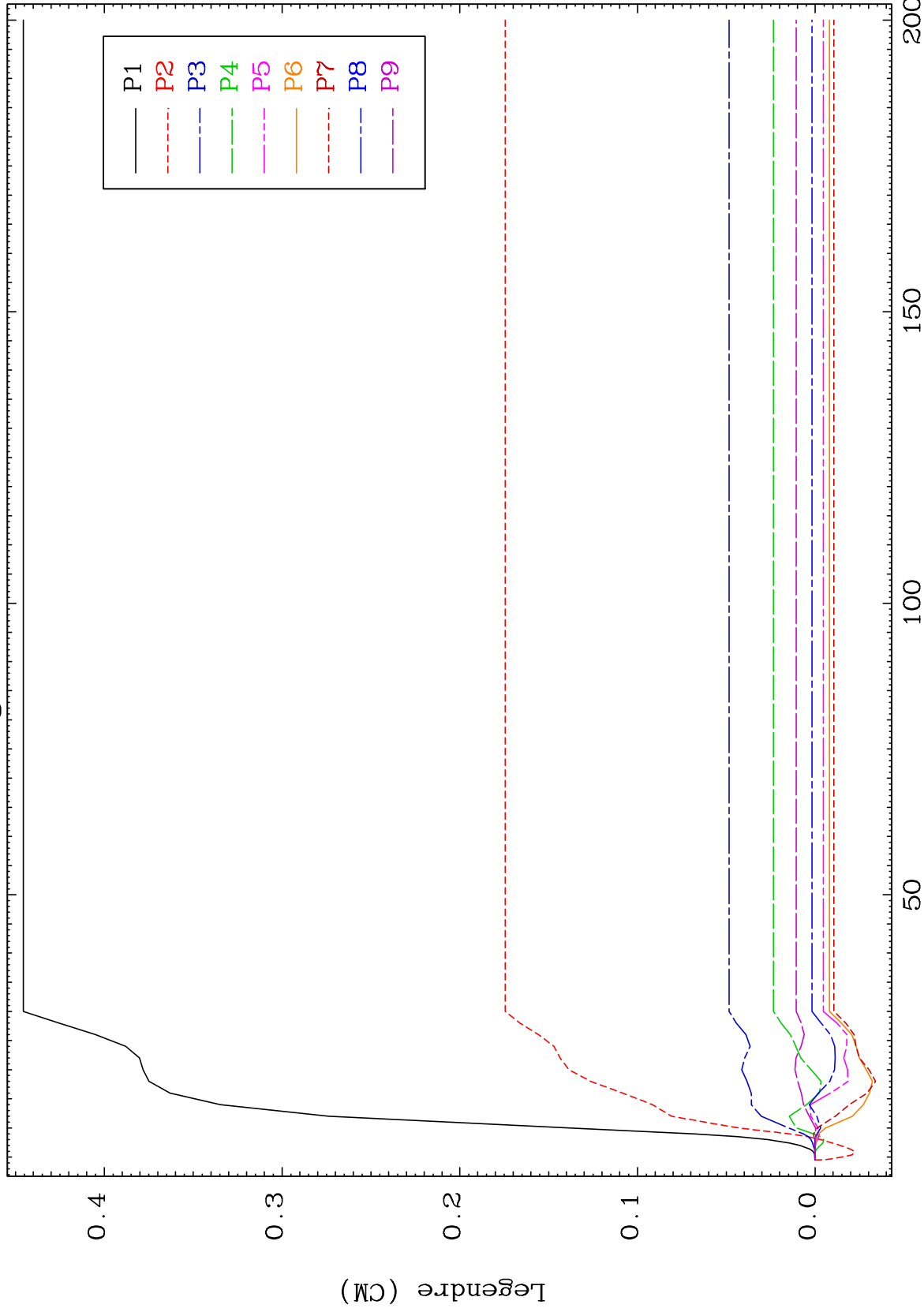
117

53-I -135

MAT 5349

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

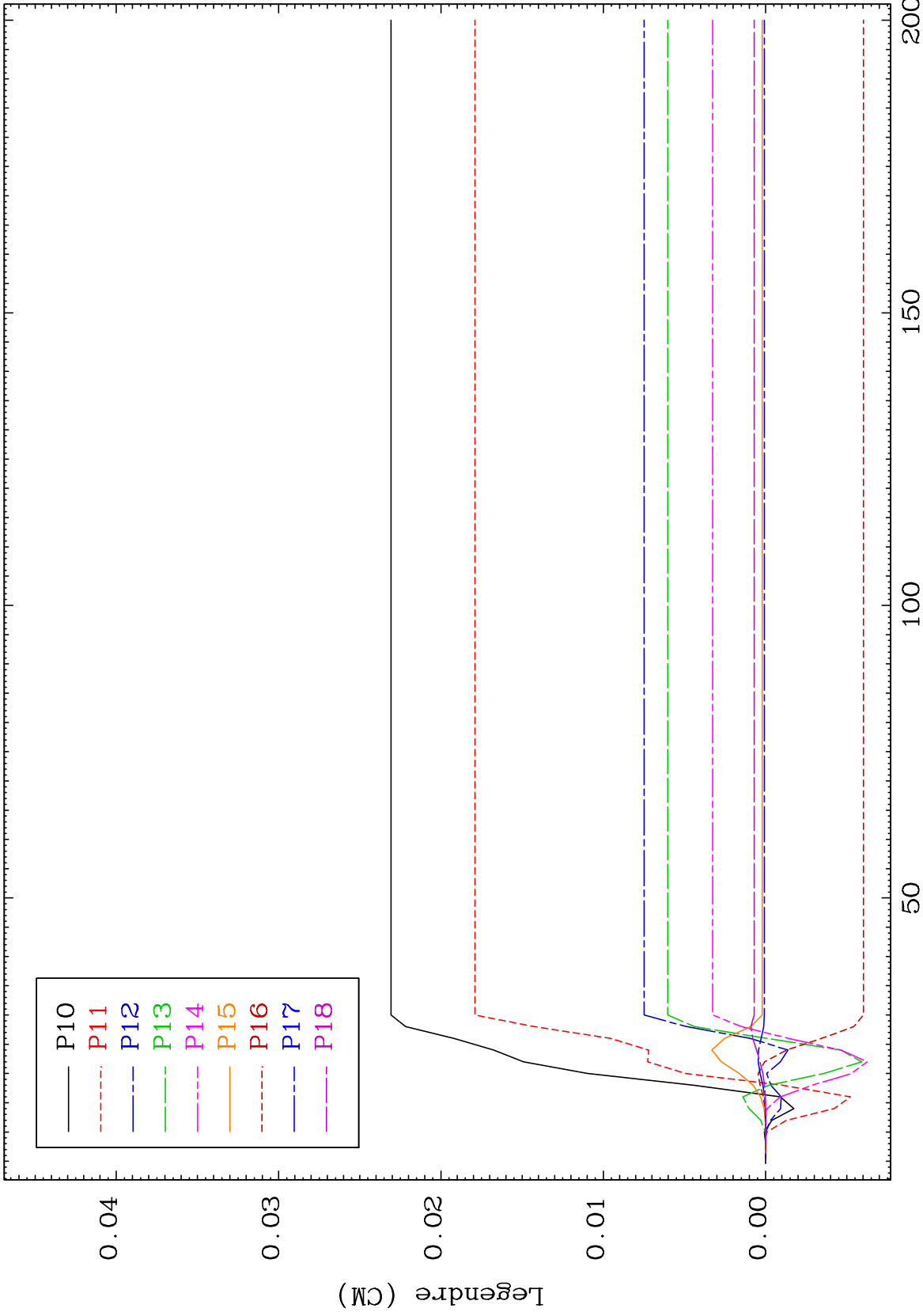
53-I -135



118

Incident Energy (MeV)

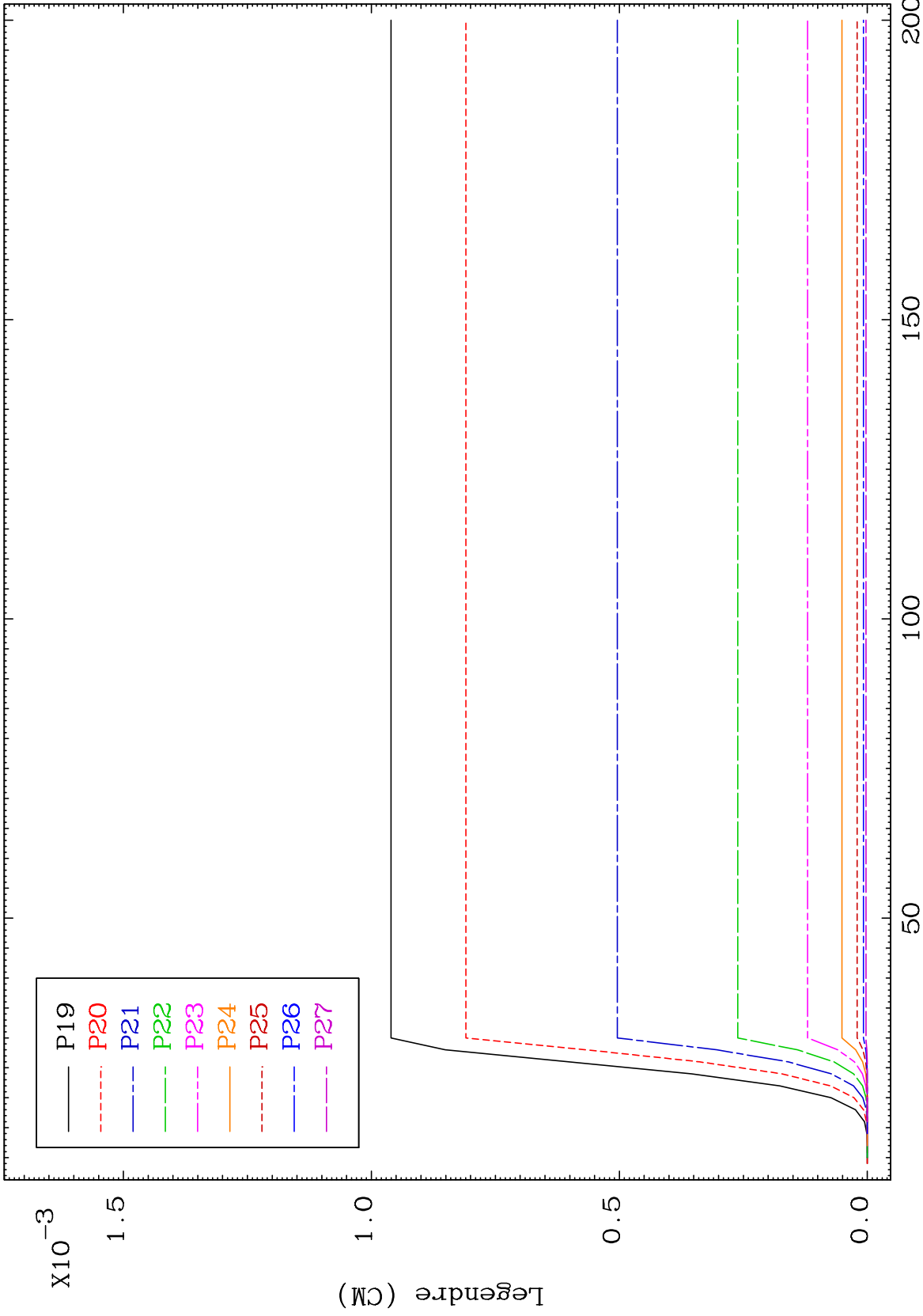
53-I -135



MAT 5349

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

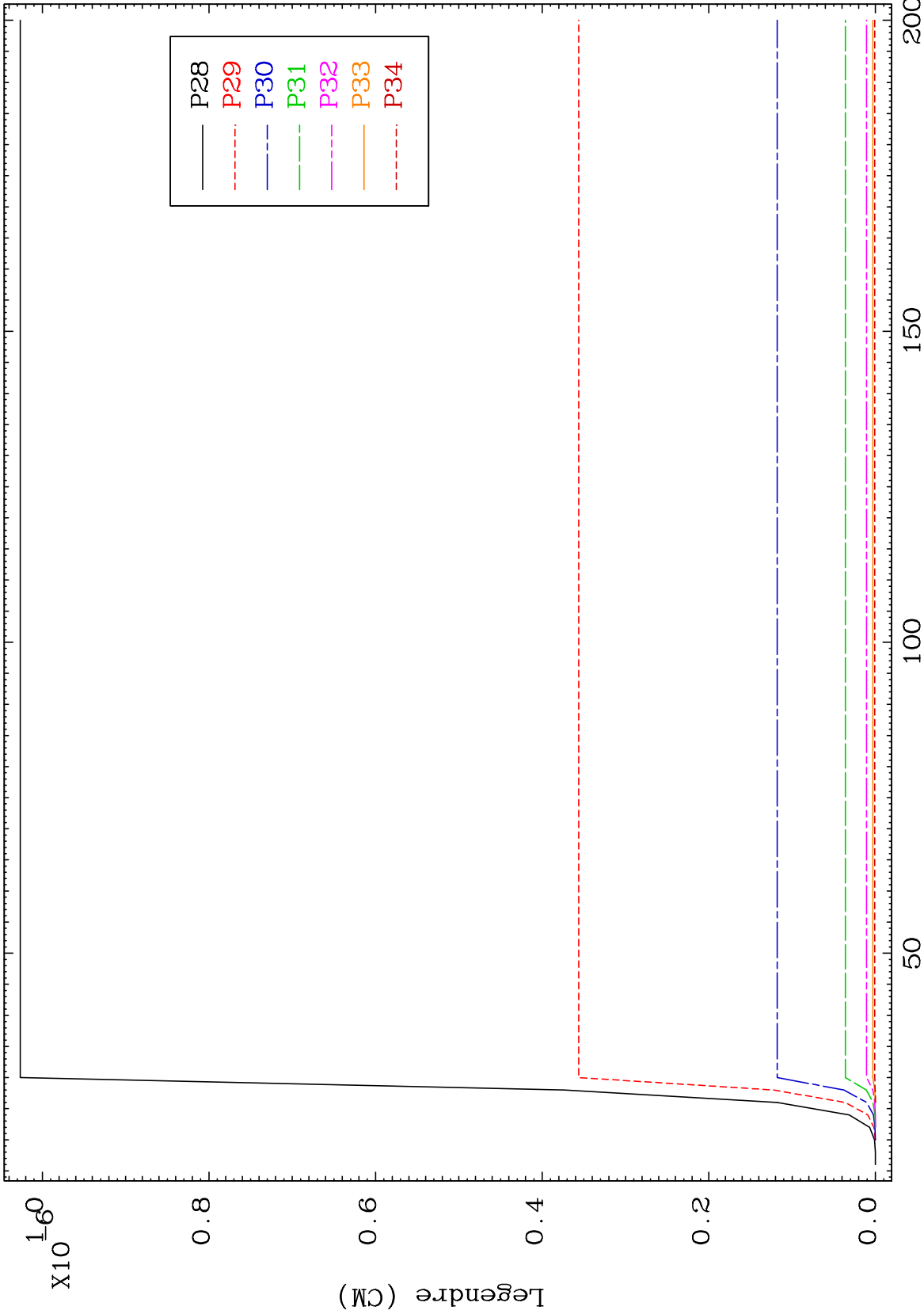
53-I -135

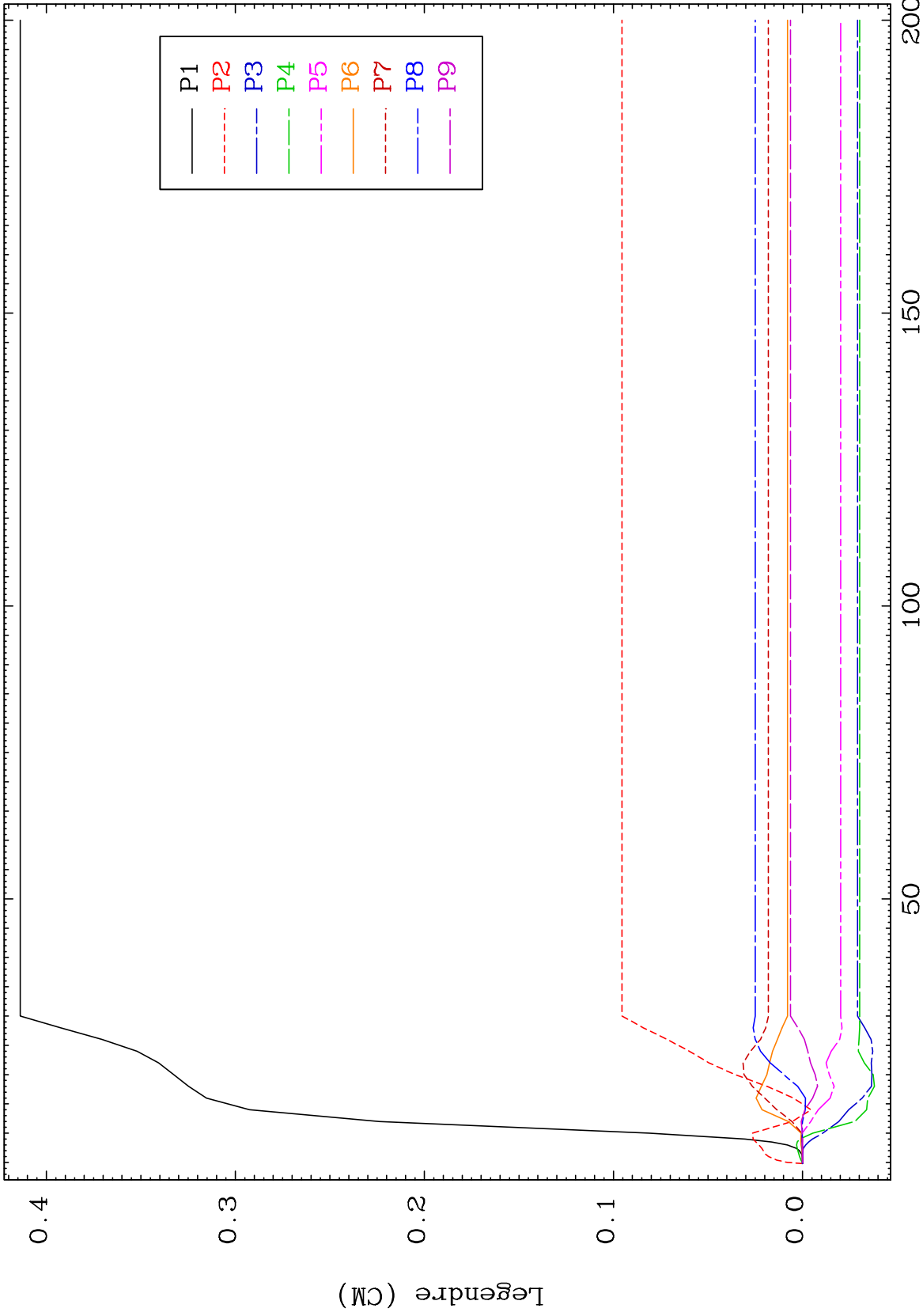


120

Incident Energy (MeV)

53-I -135

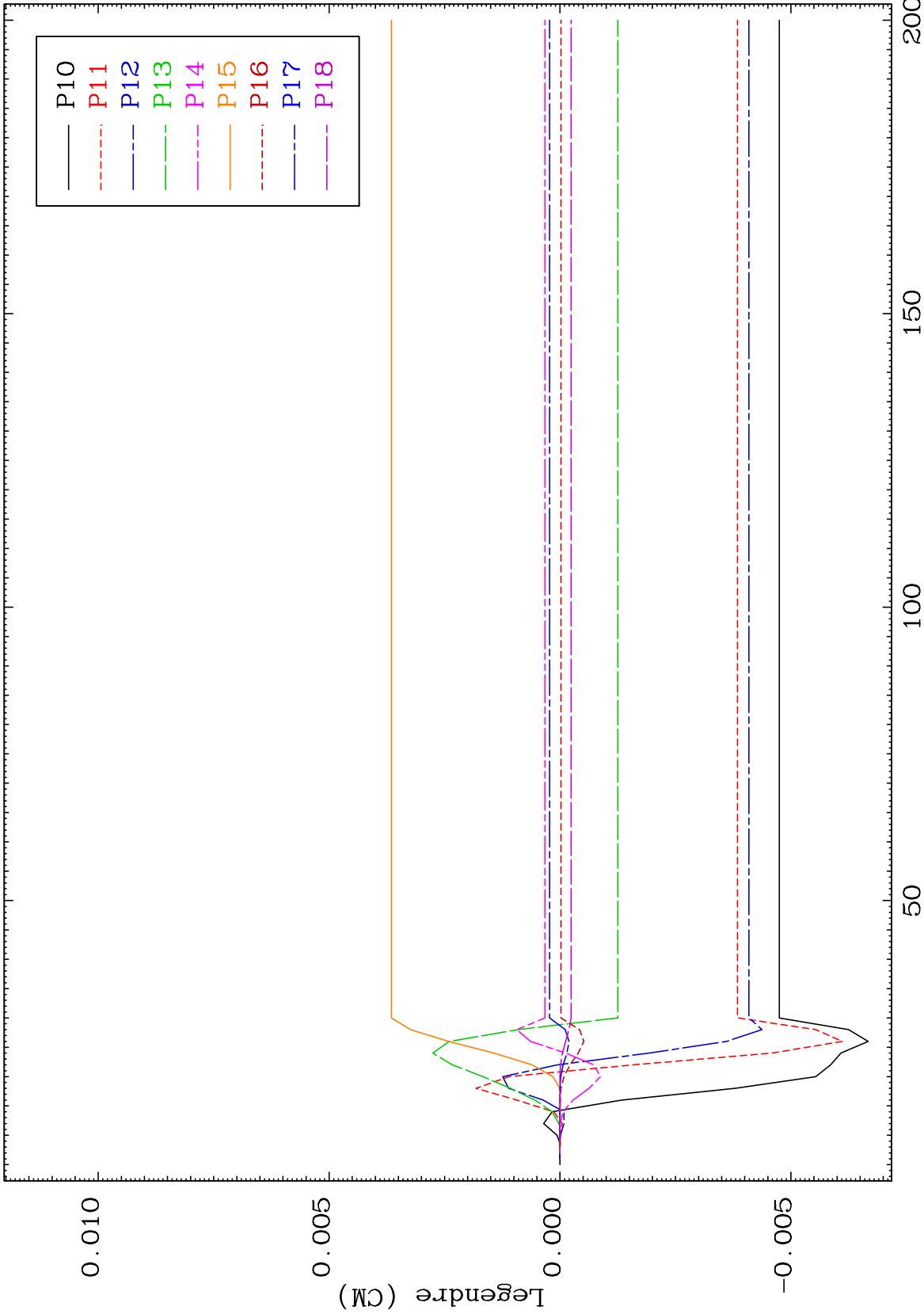




MAT 5349

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

53-I -135



123

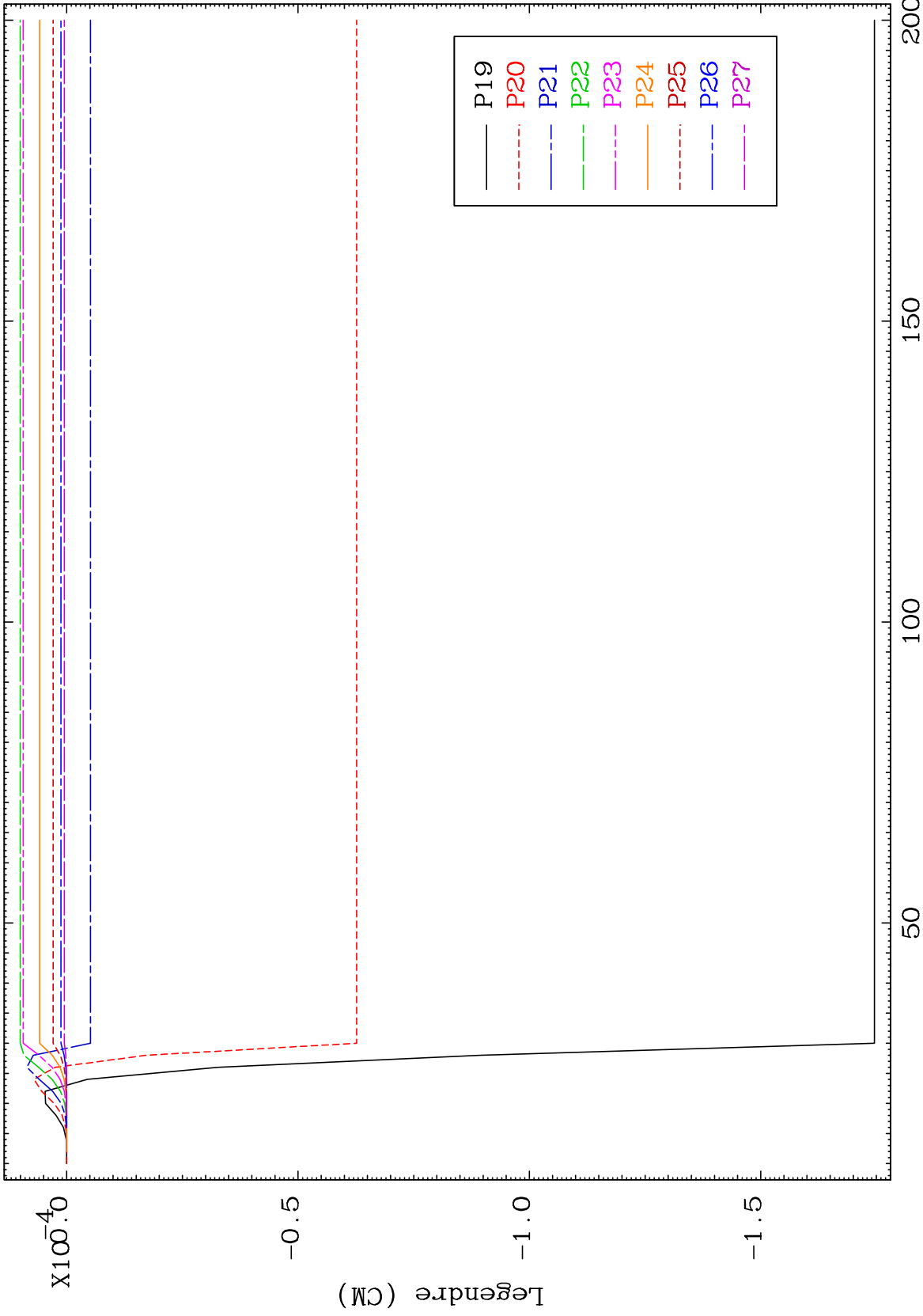
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



124

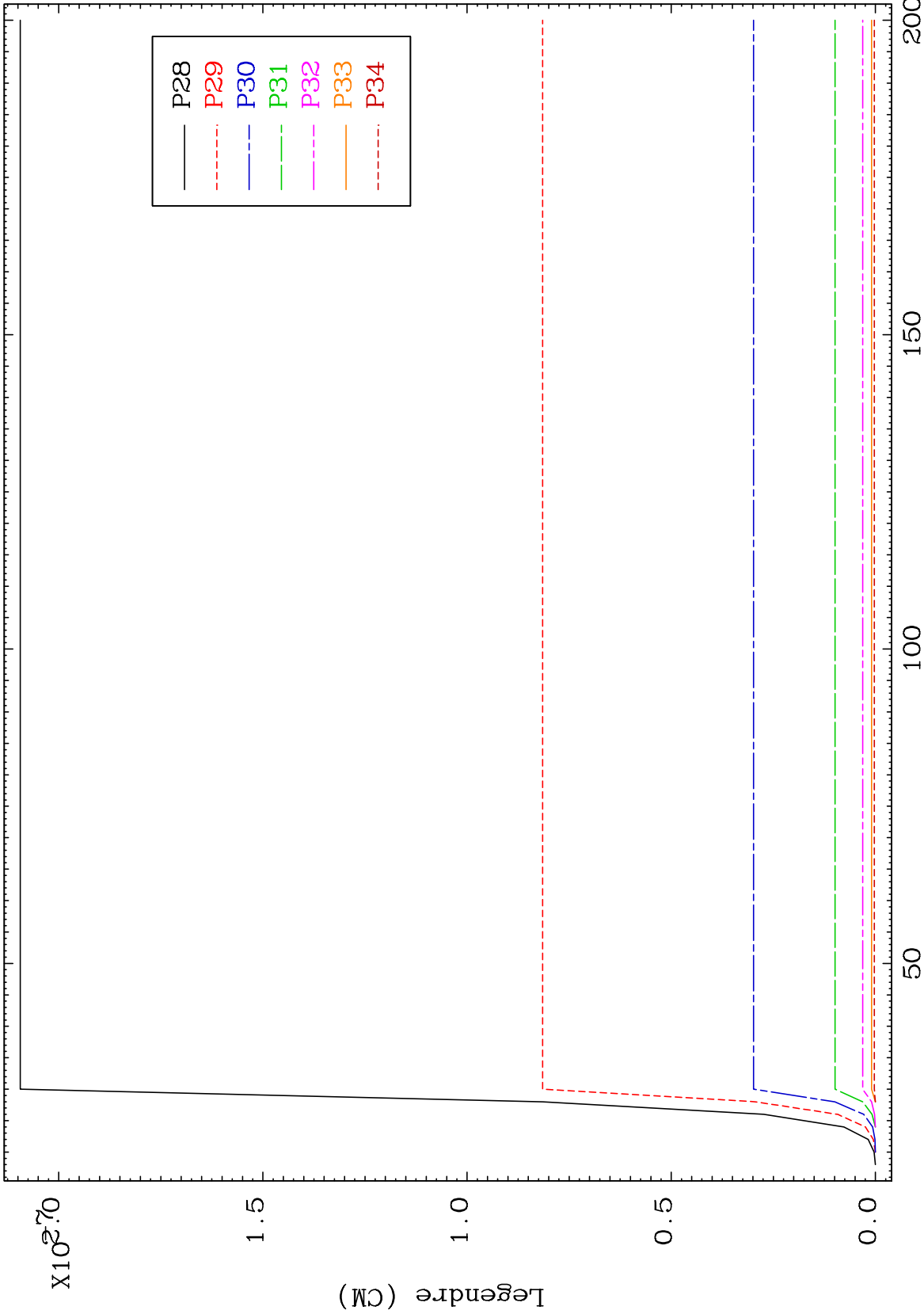
Incident Energy (MeV)

53-I -135

MAT 5349

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

53-I -135



125

Incident Energy (MeV)

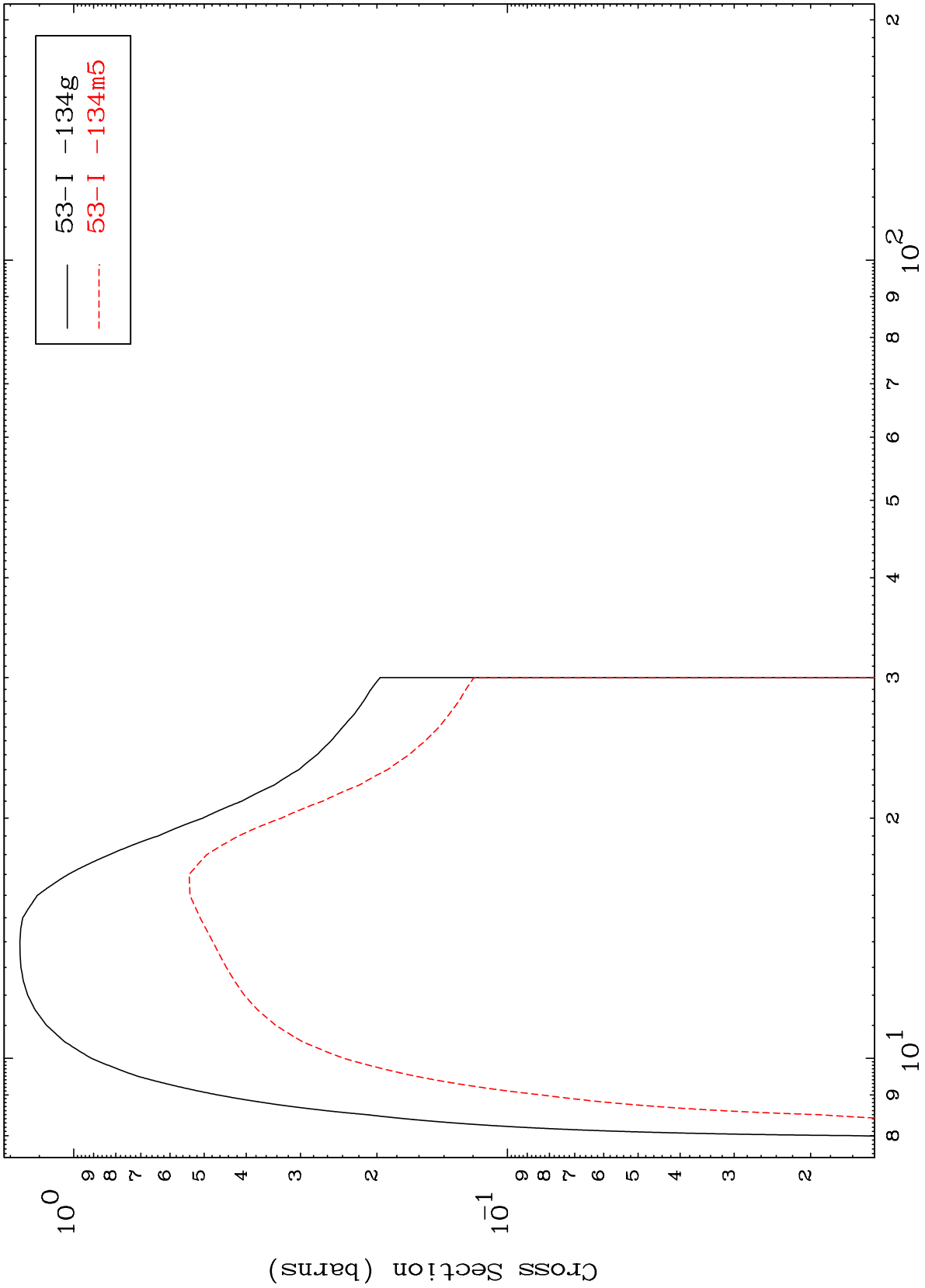
53-I -135

MAT 5349

(n,2n)

53-I -135

Radionuclide Production Cross Section



53-I -134g
53-I -134m5

126

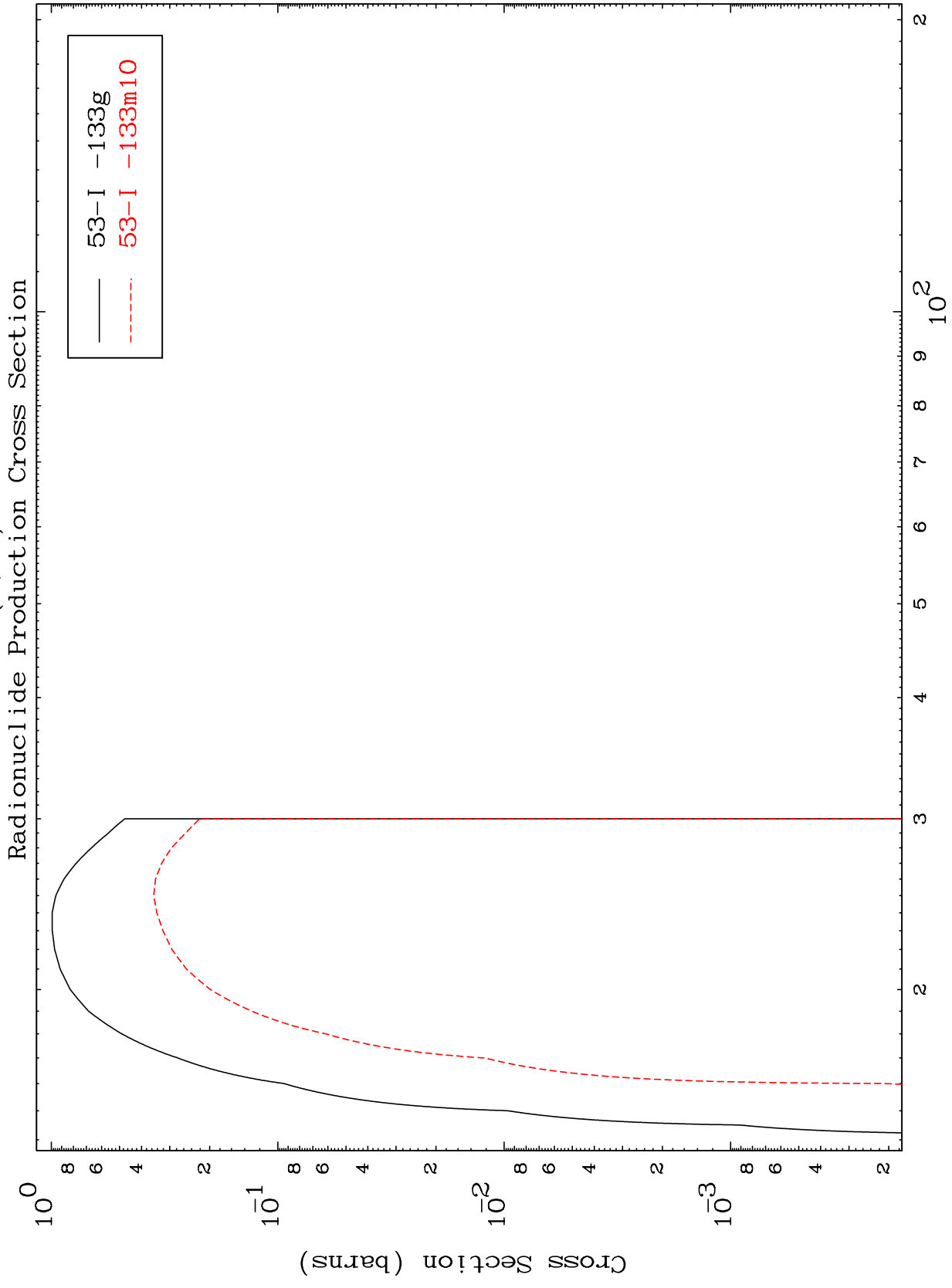
Incident Energy (MeV)

53-I -135

MAT 5349

(n,3n)

53-I -135



127

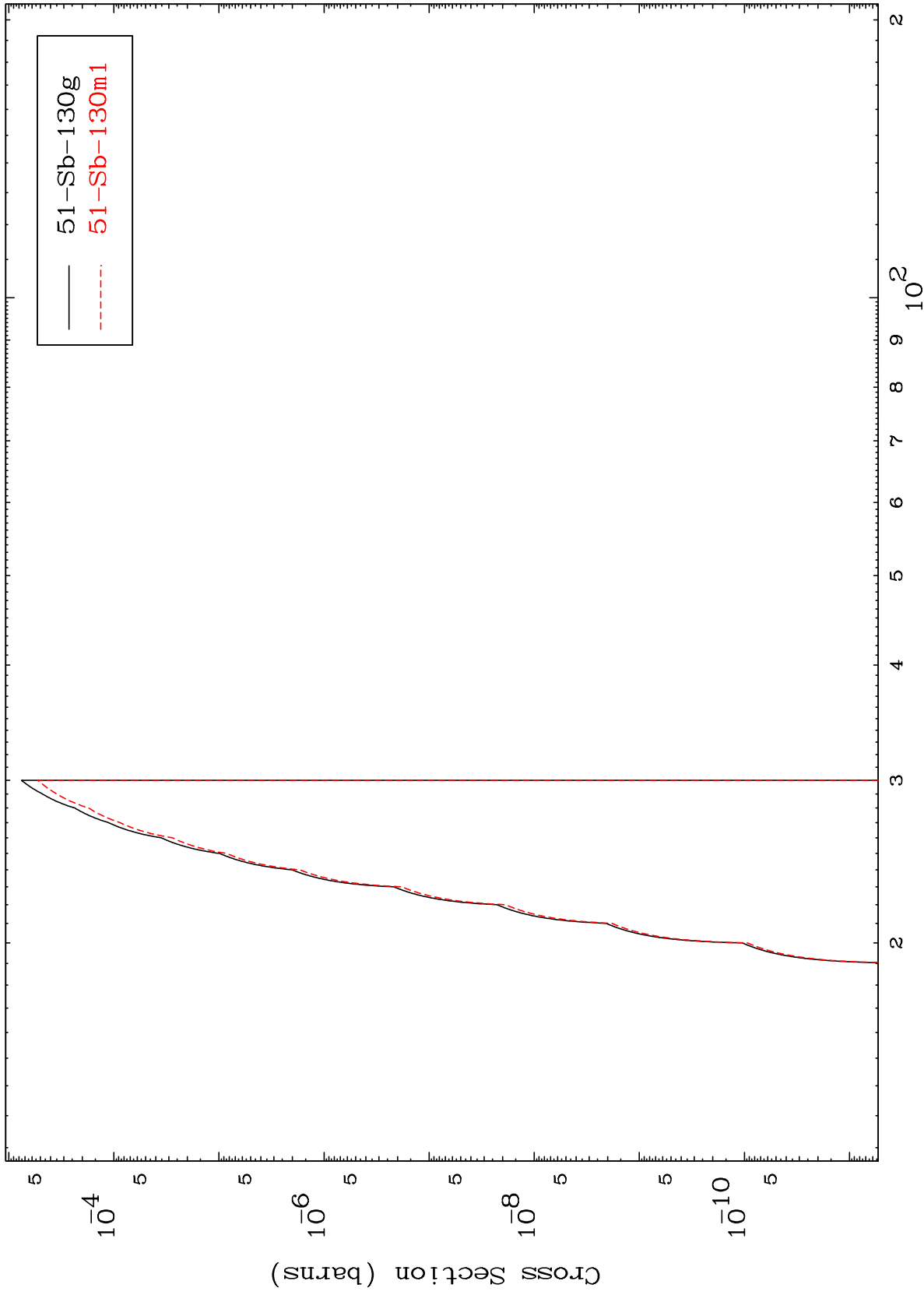
53-I -135

MAT 5349

(n,2n) α

53-I -135

Radionuclide Production Cross Section



128

Incident Energy (MeV)

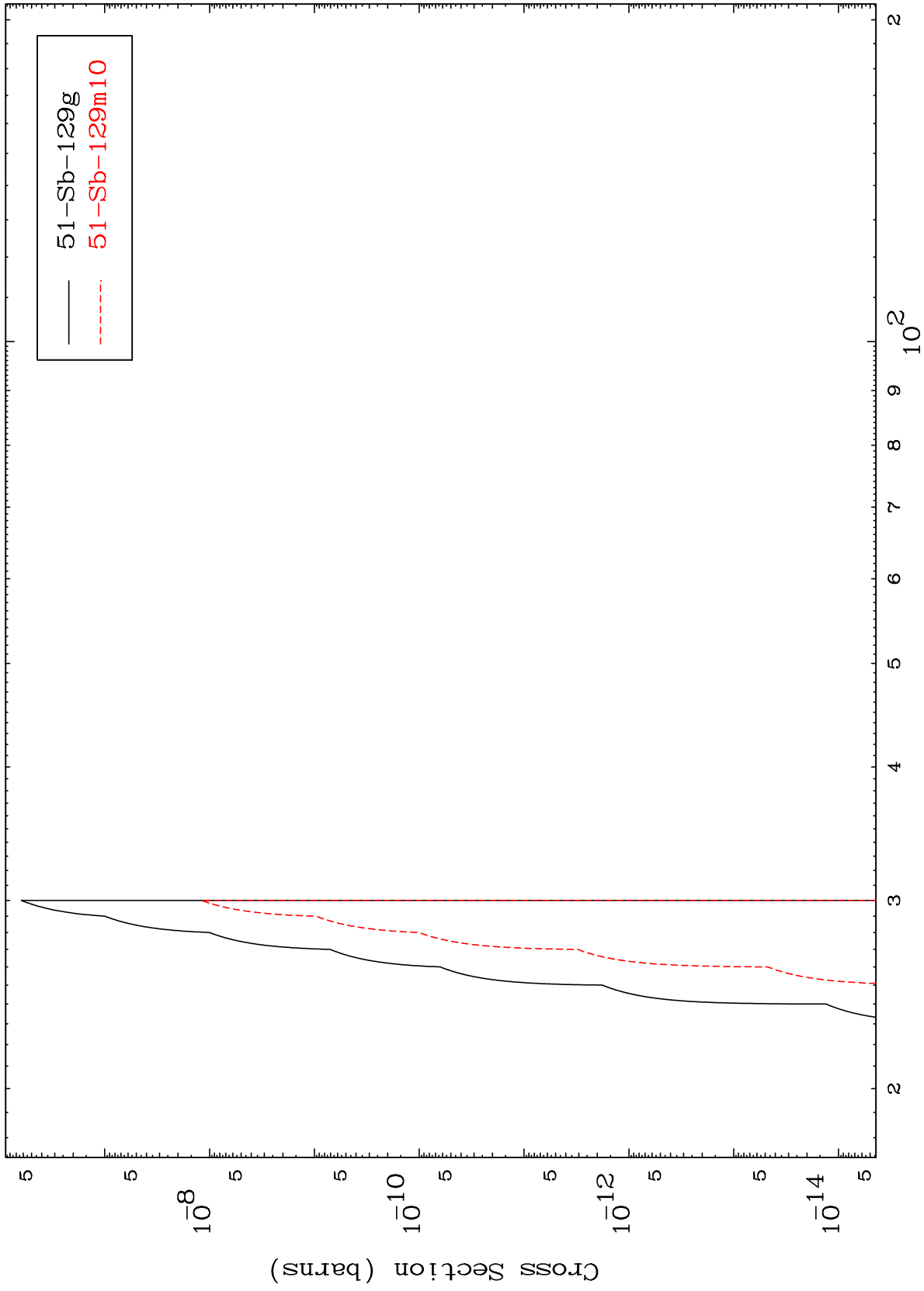
53-I -135

MAT 5349

(n,3n) α

53-I -135

Radionuclide Production Cross Section

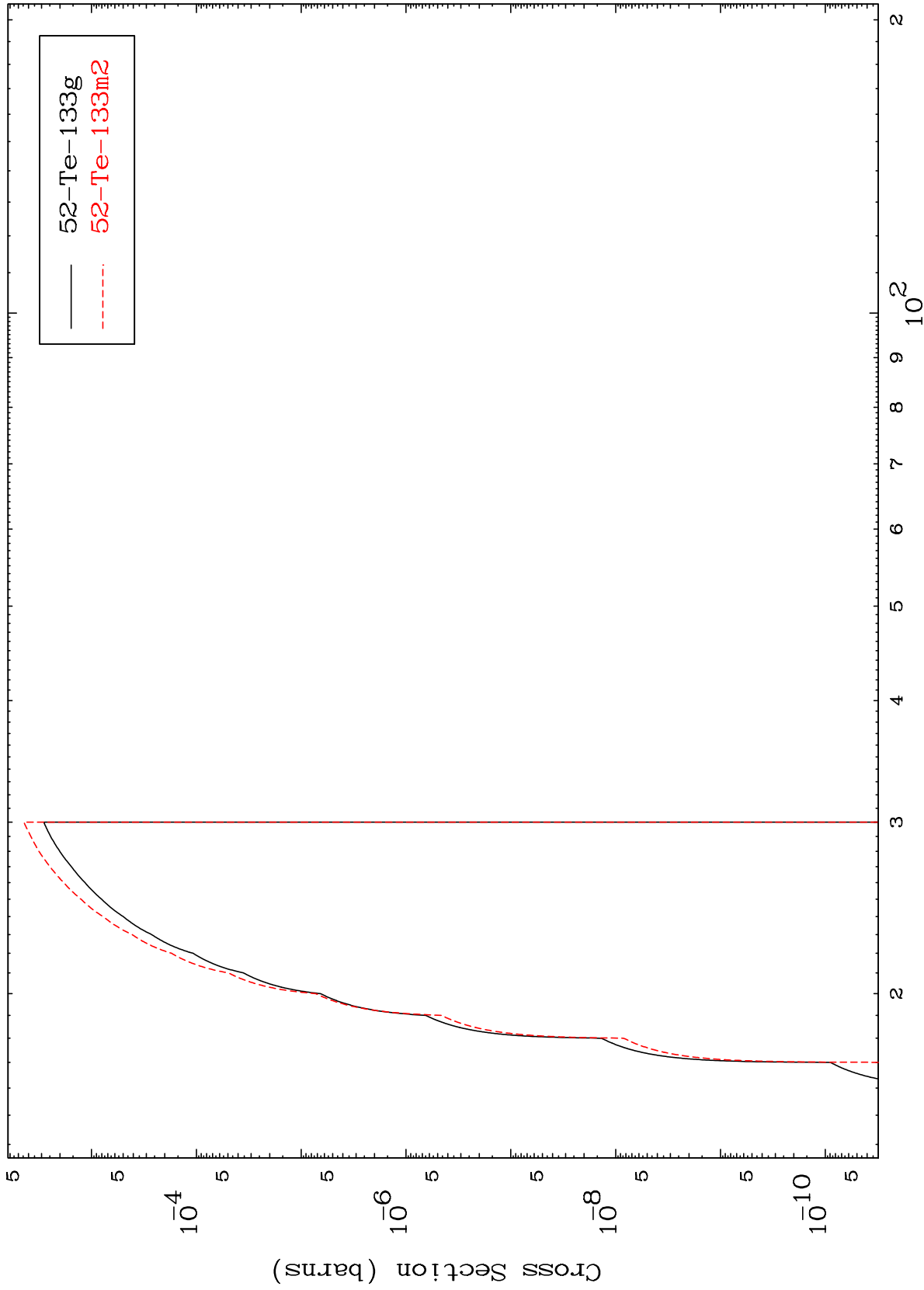


129

Incident Energy (MeV)

53-I -135

Radionuclide Production Cross Section

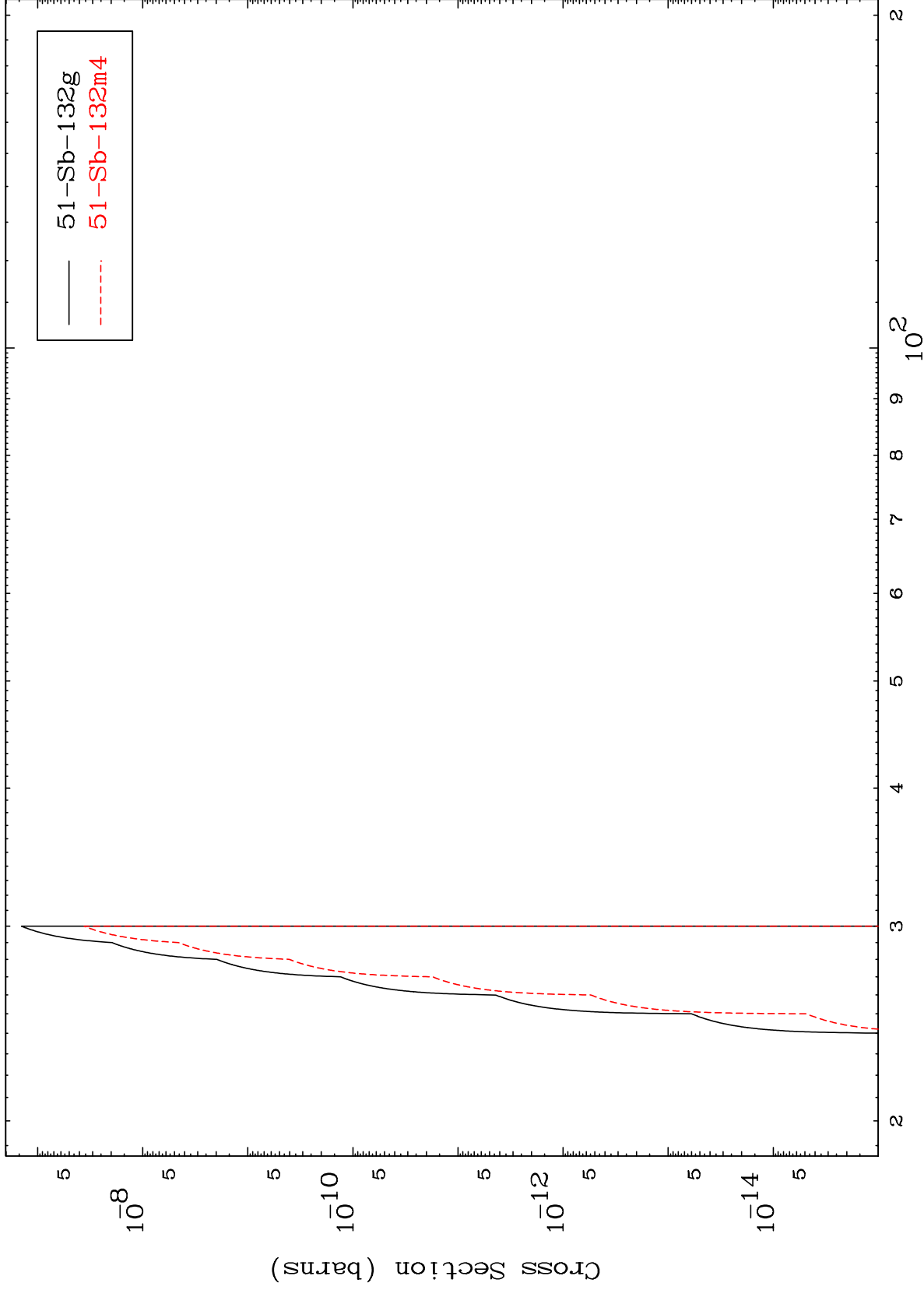


MAT 5349

(n, n') He-3

53-I -135

Radionuclide Production Cross Section



131

Incident Energy (MeV)

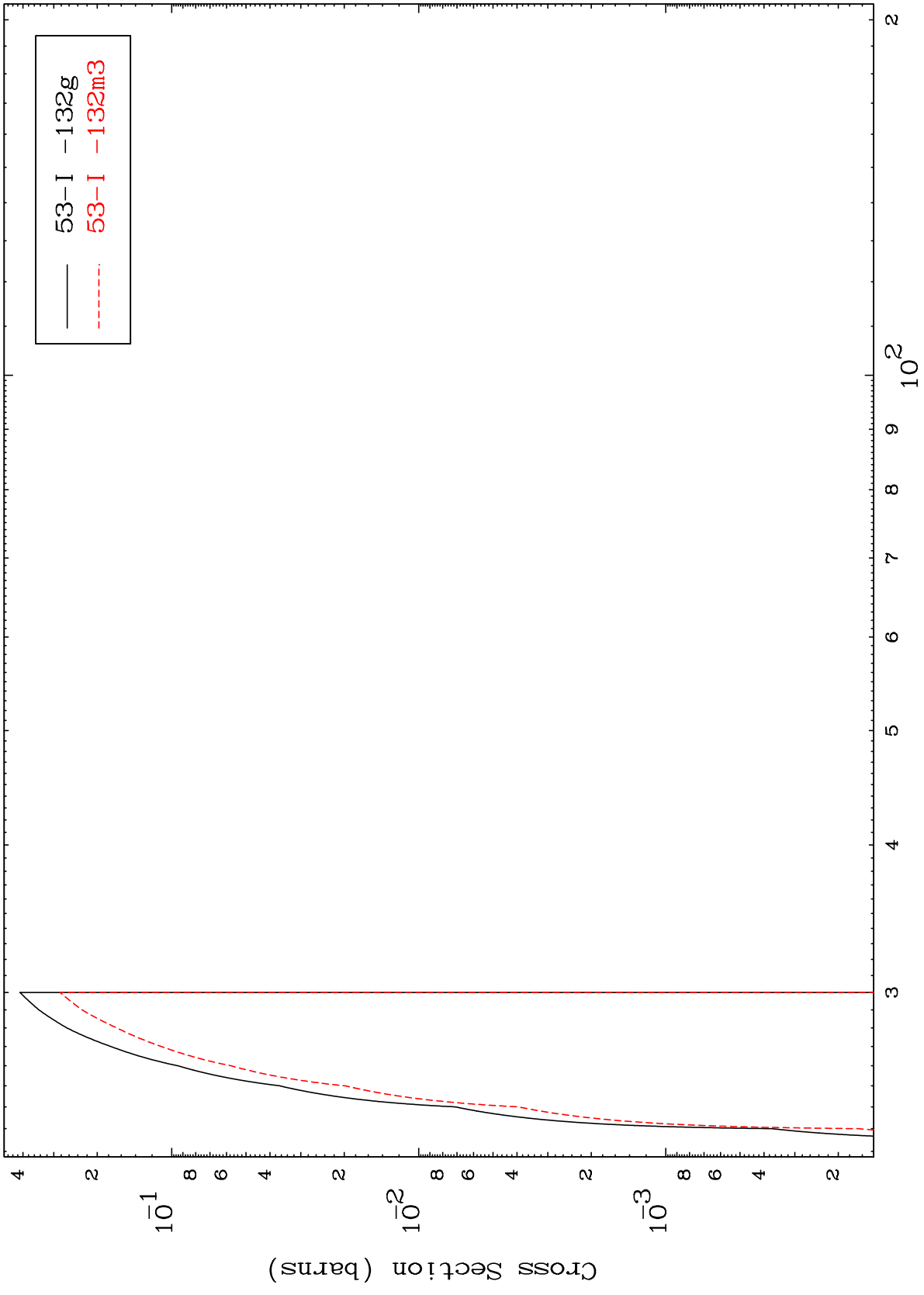
53-I -135

MAT 5349

(n,4n)

53-I -135

Radionuclide Production Cross Section



53-I -132g
53-I -132m3

132

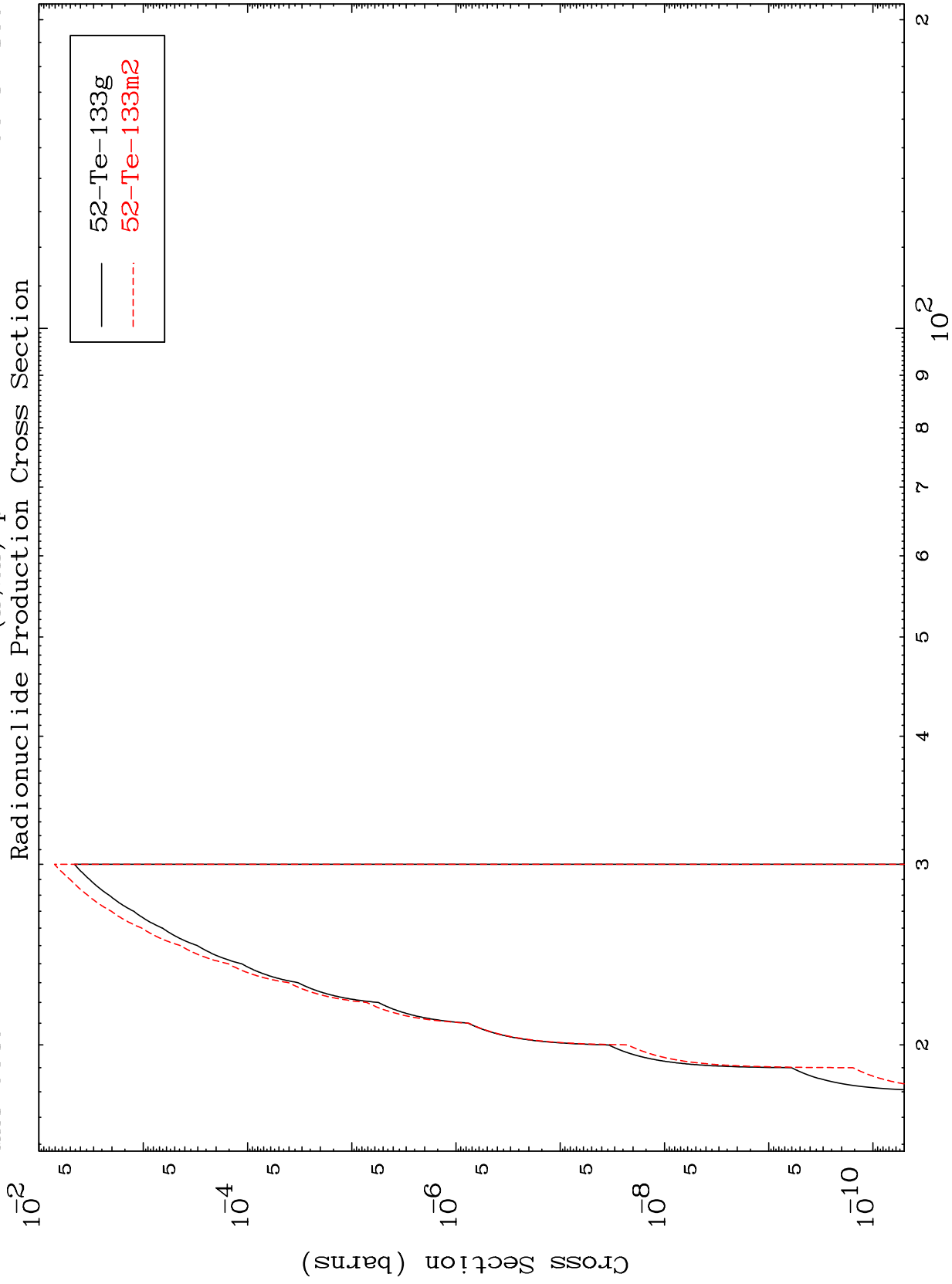
Incident Energy (MeV)

53-I -135

MAT 5349

(n,2n) p

53-I -135



133

Incident Energy (MeV)

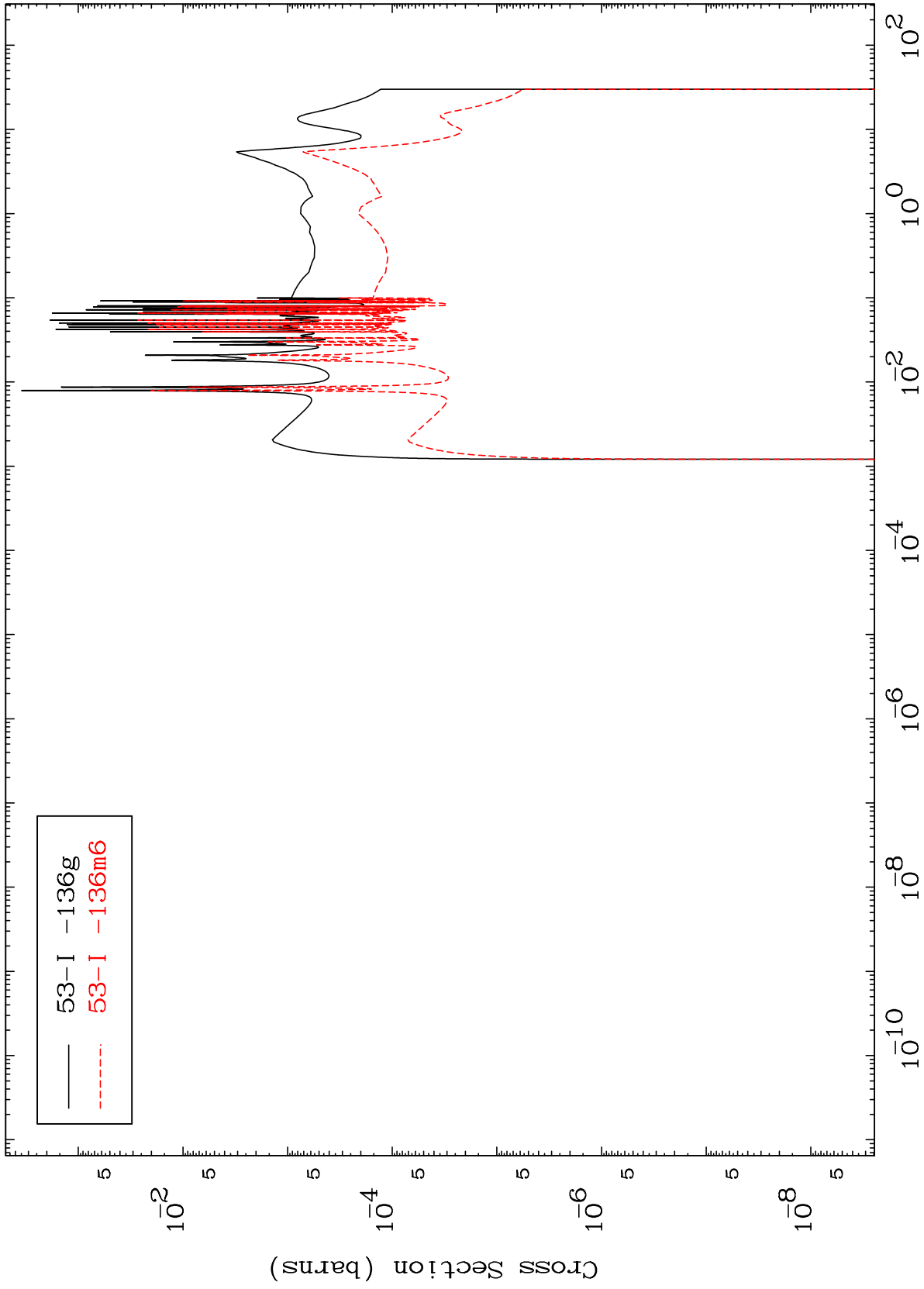
53-I -135

MAT 5349

(n,γ)

53-I -135

Radionuclide Production Cross Section



134

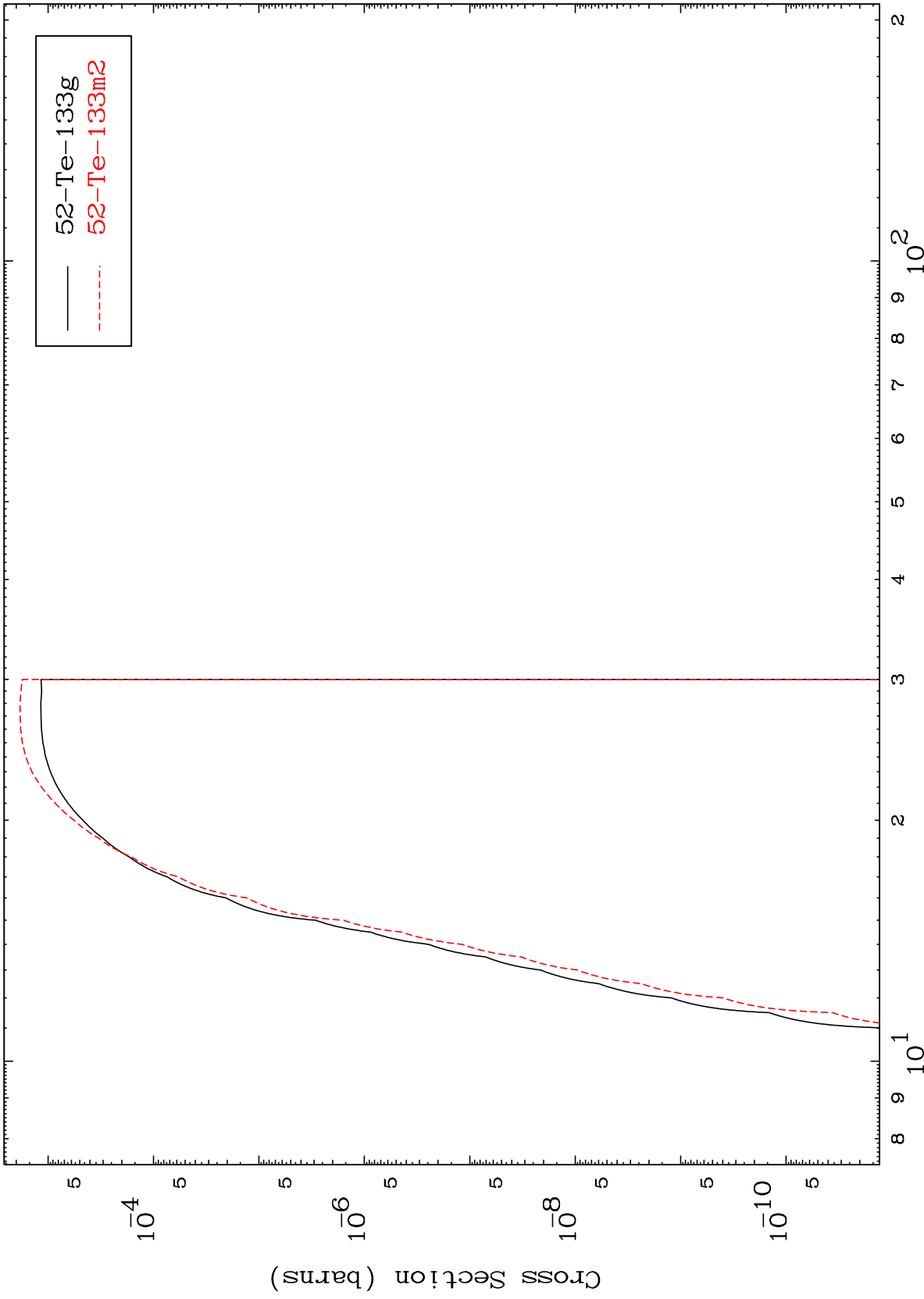
Incident Energy (MeV)

53-I -135

MAT 5349

53-I -135

(n, t)
Radionuclide Production Cross Section



135

Incident Energy (MeV)

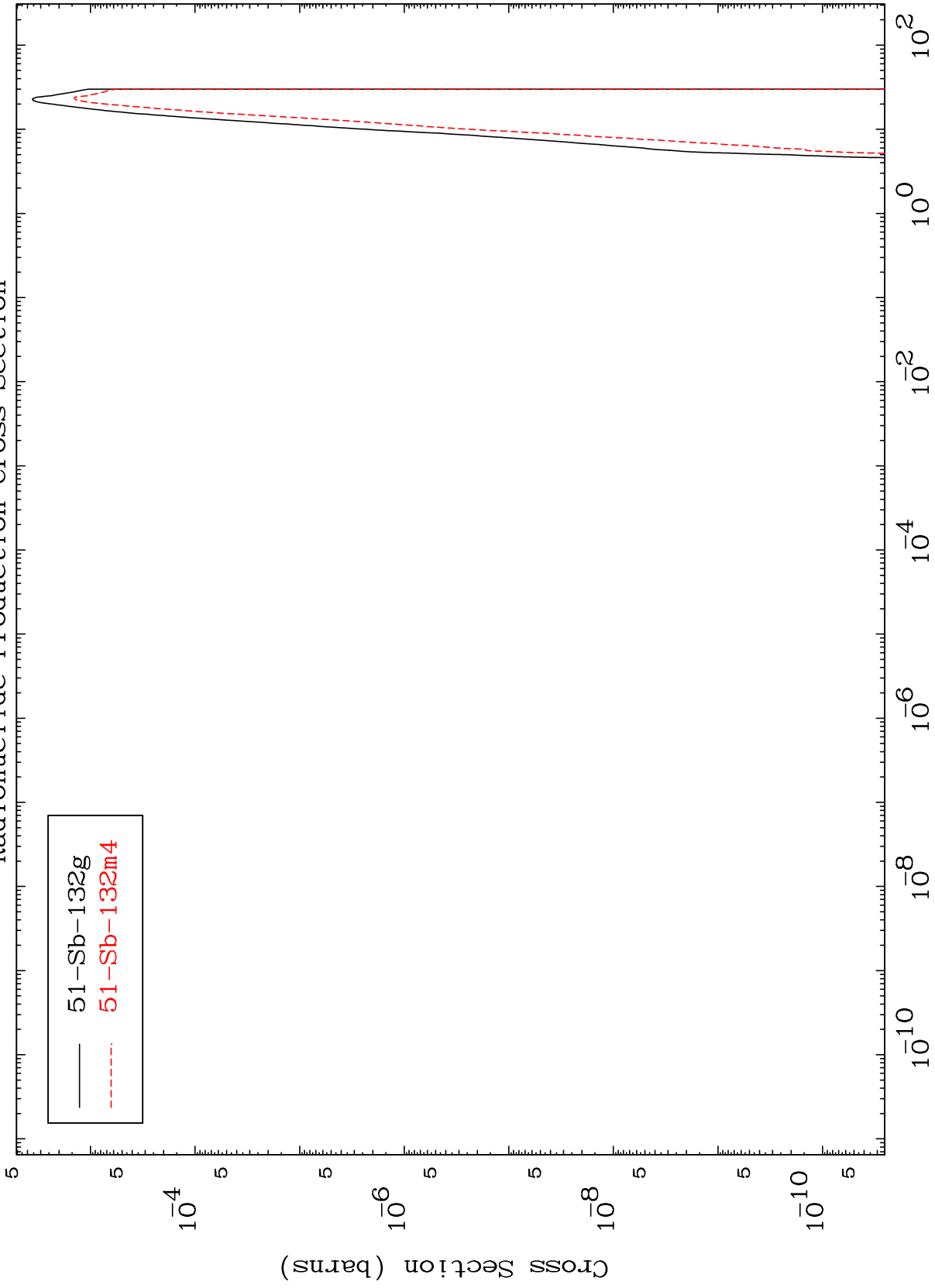
53-I -135

MAT 5349

(n,α)

53-I -135

Radionuclide Production Cross Section



51-Sb-132g
51-Sb-132m4

136

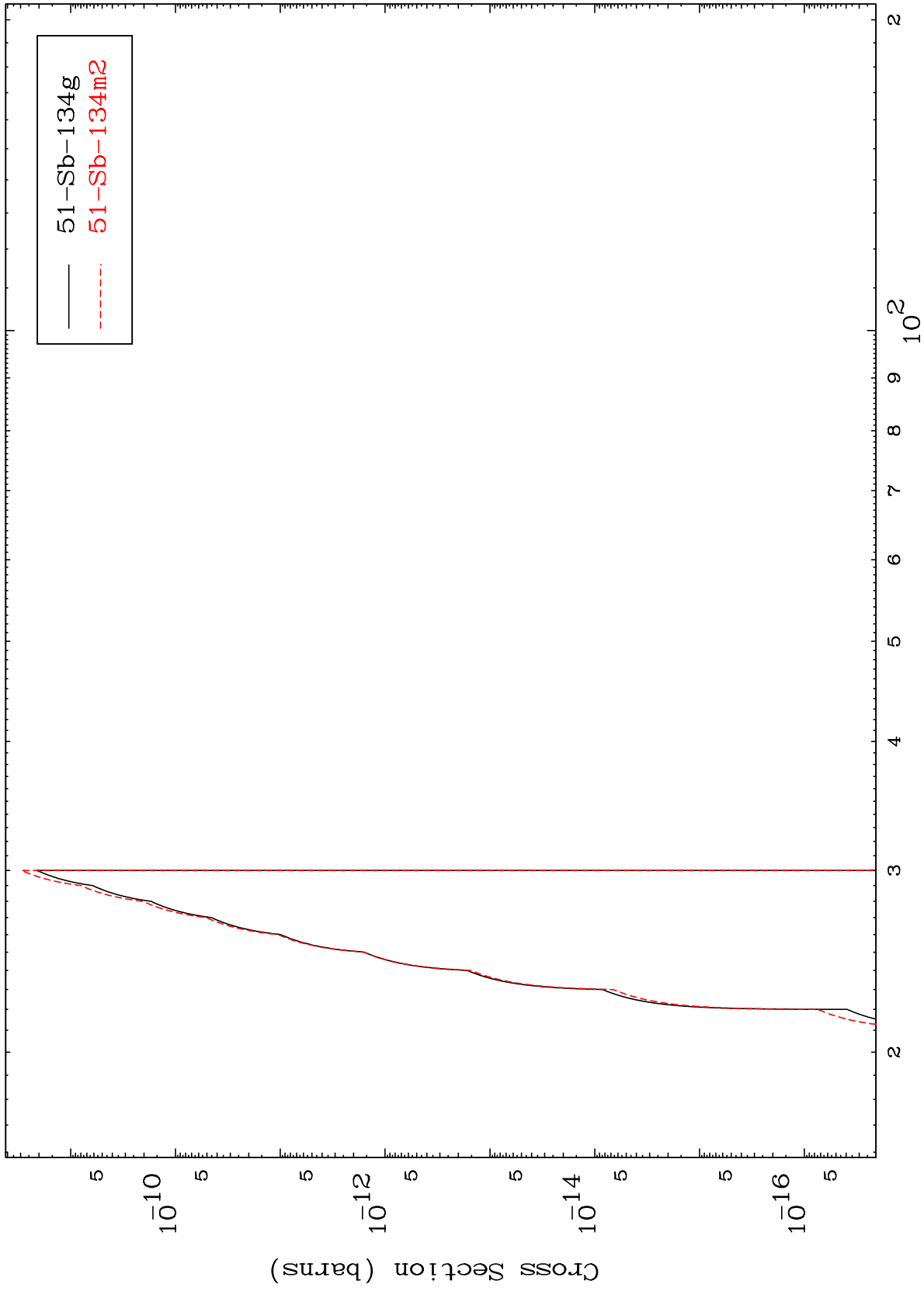
Incident Energy (MeV)

53-I -135

MAT 5349

53-I -135

(n,2p)
Radionuclide Production Cross Section



137

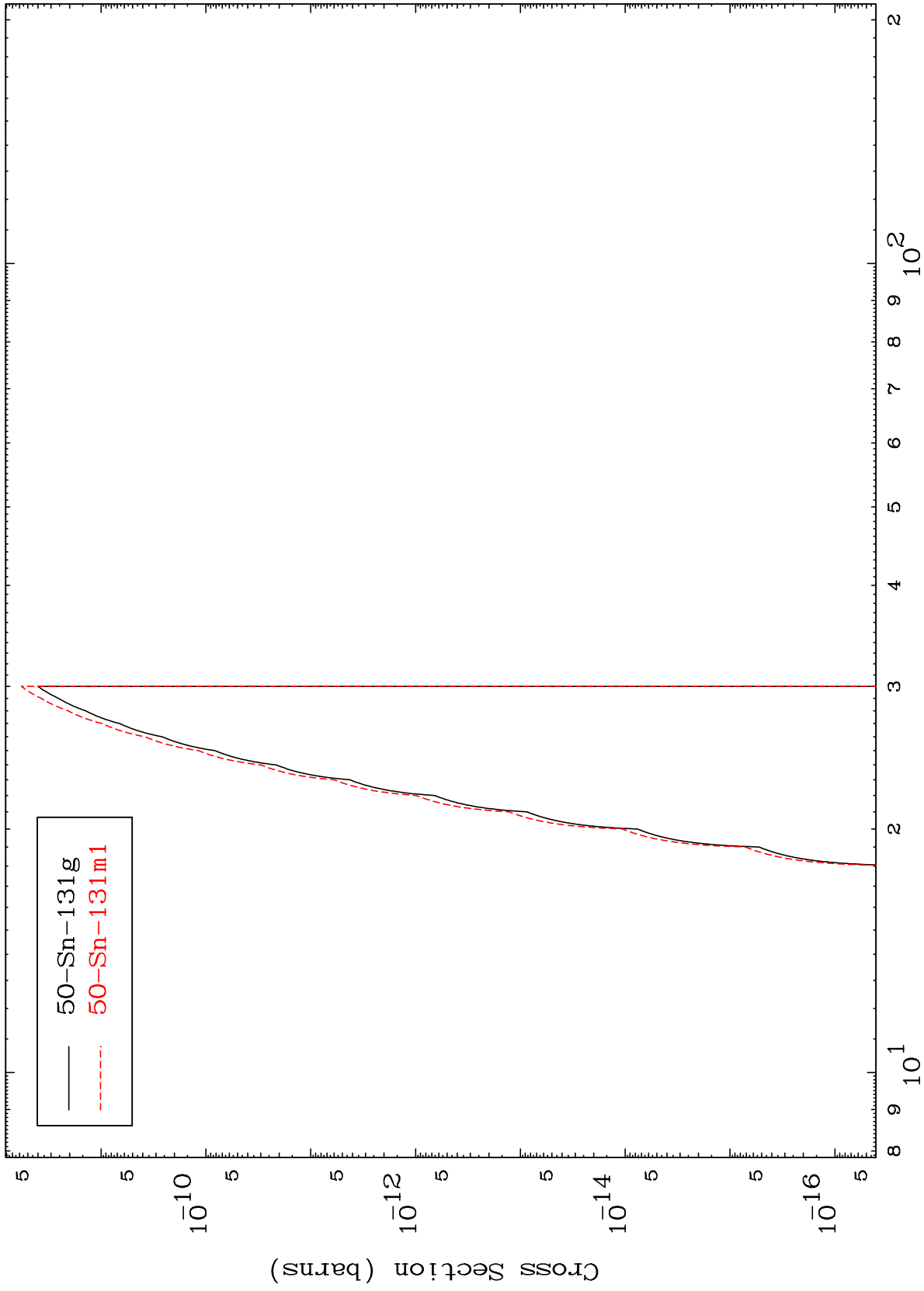
53-I -135

MAT 5349

(n,p) α

53-I -135

Radionuclide Production Cross Section



138

Incident Energy (MeV)

53-I -135