

Program EVALPLOT
(Version 2018-1)

by

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(Present Contact Information)

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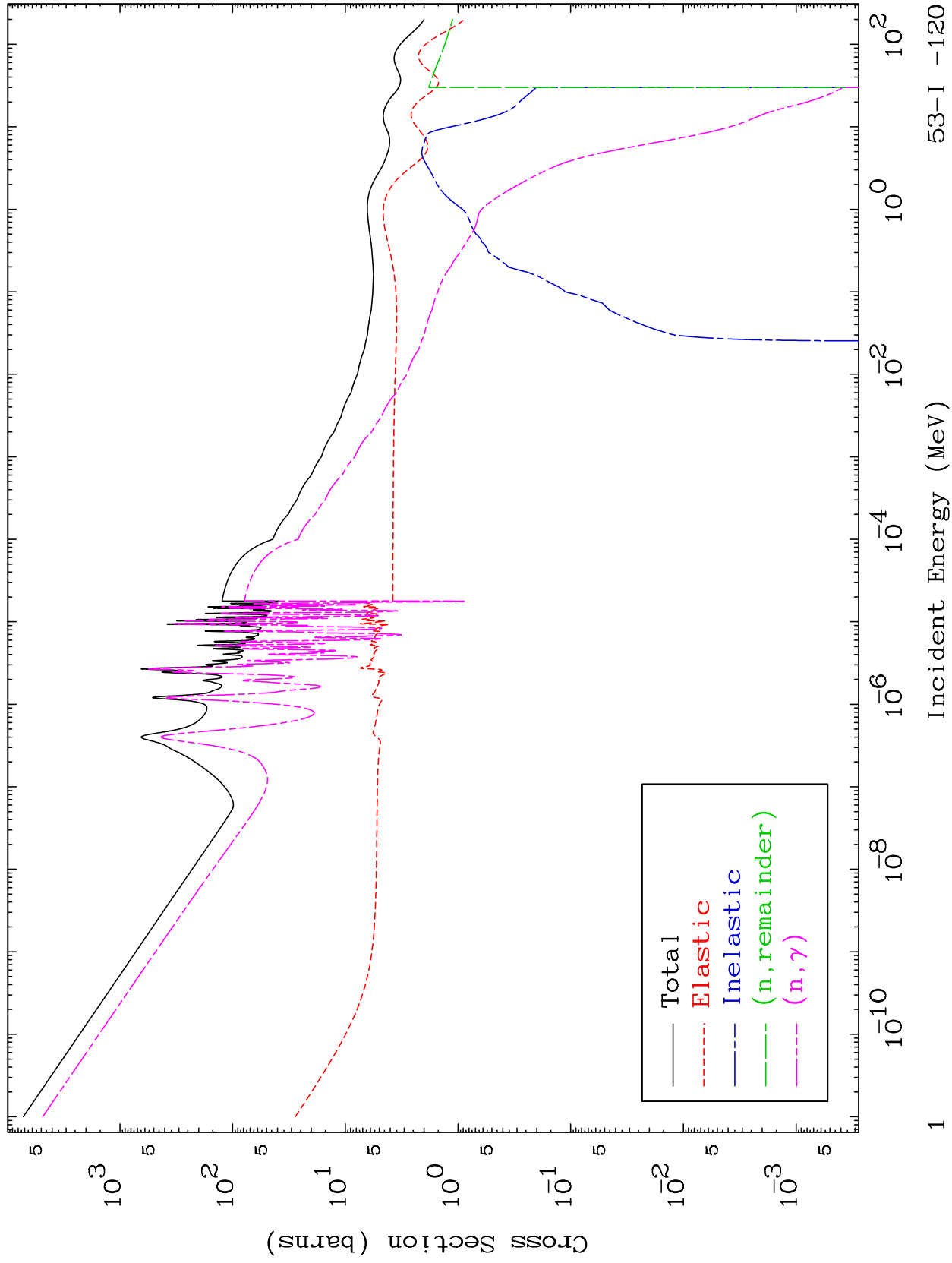
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5304

Major
293 Kelvin Cross Sections

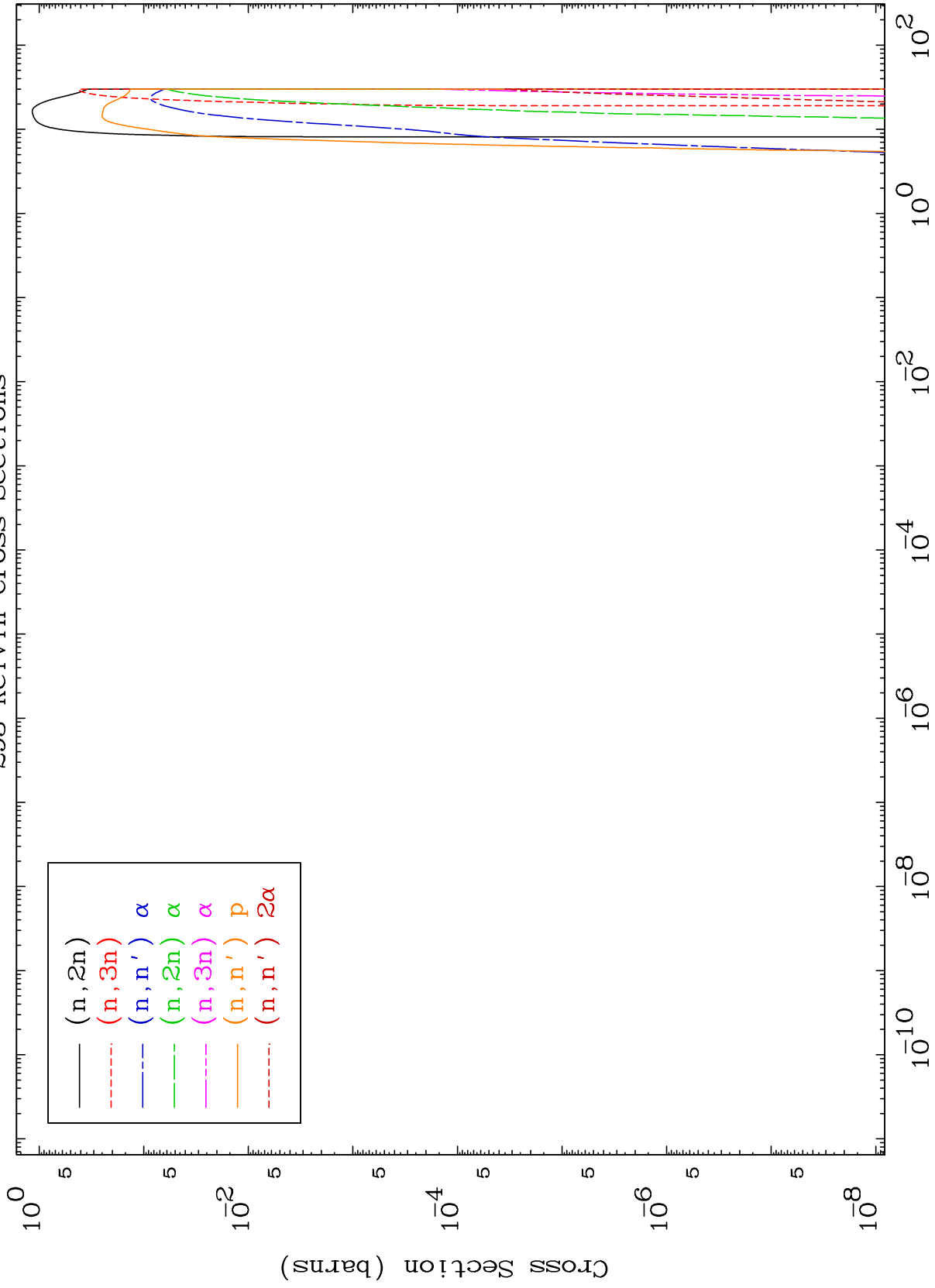
53-I -120



MAT 5304

Neutron Production
293 Kelvin Cross Sections

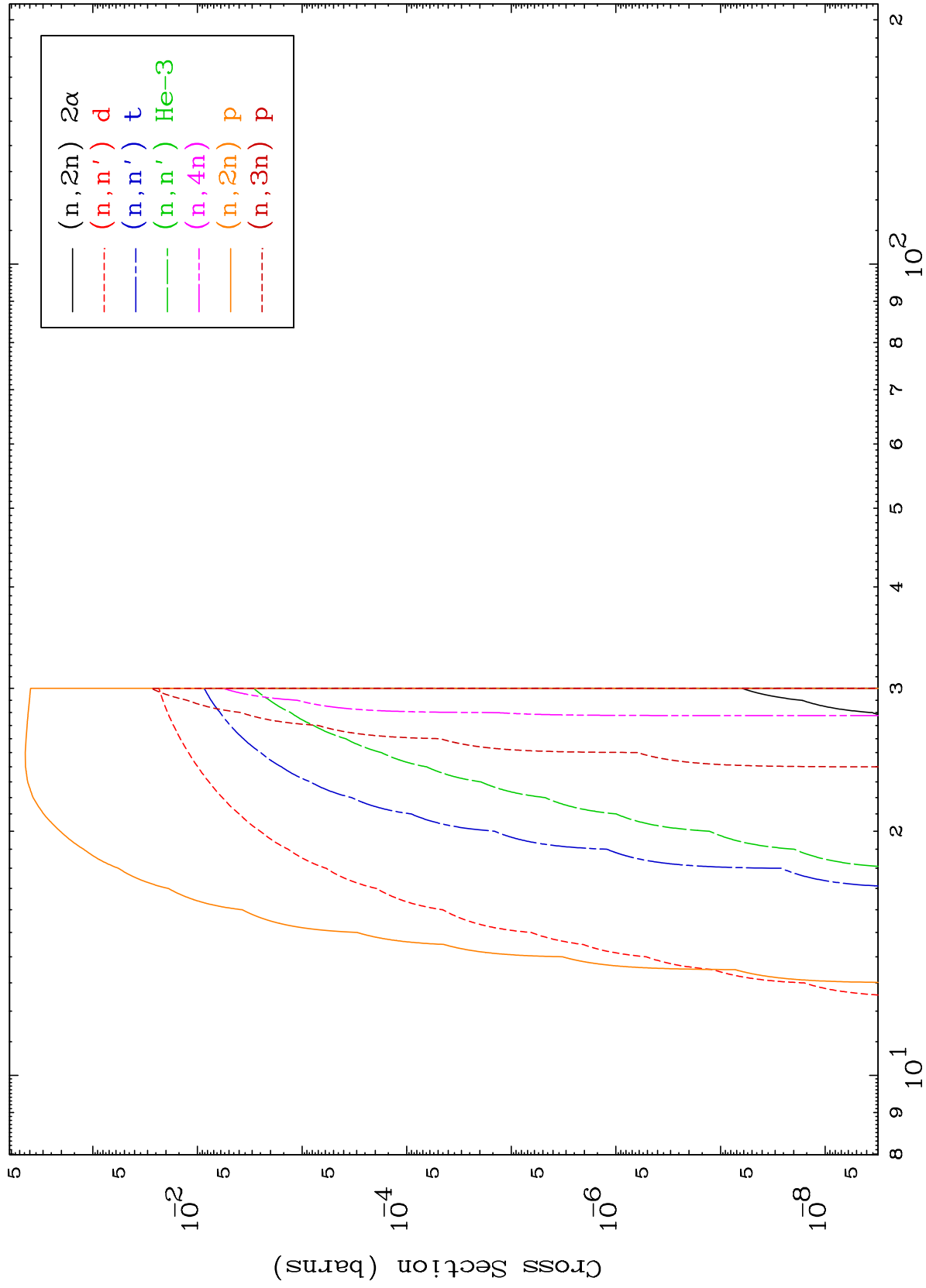
53-I -120



2

Incident Energy (MeV)

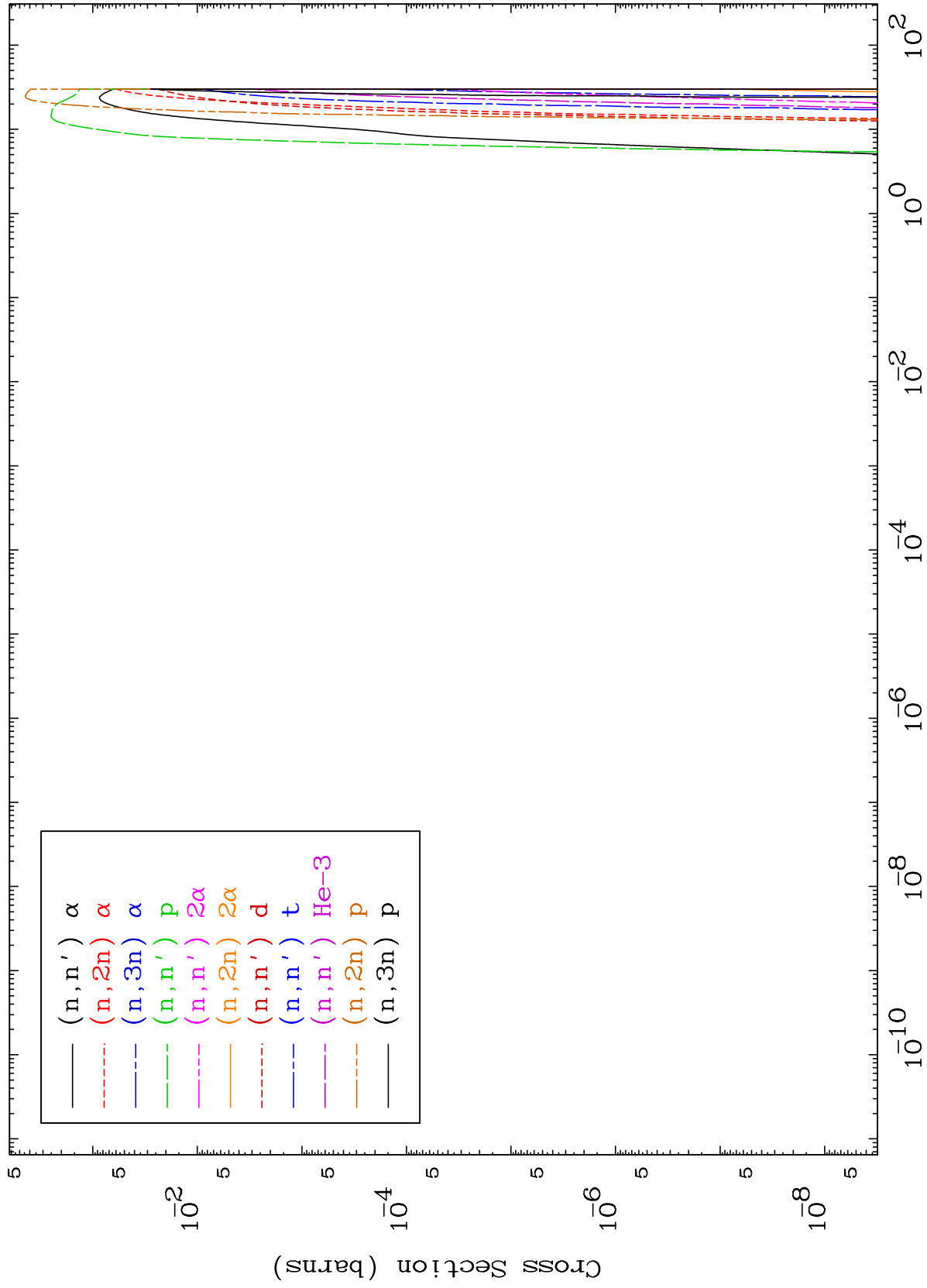
53-I -120



MAT 5304

Charged Particle
293 Kelvin Cross Sections

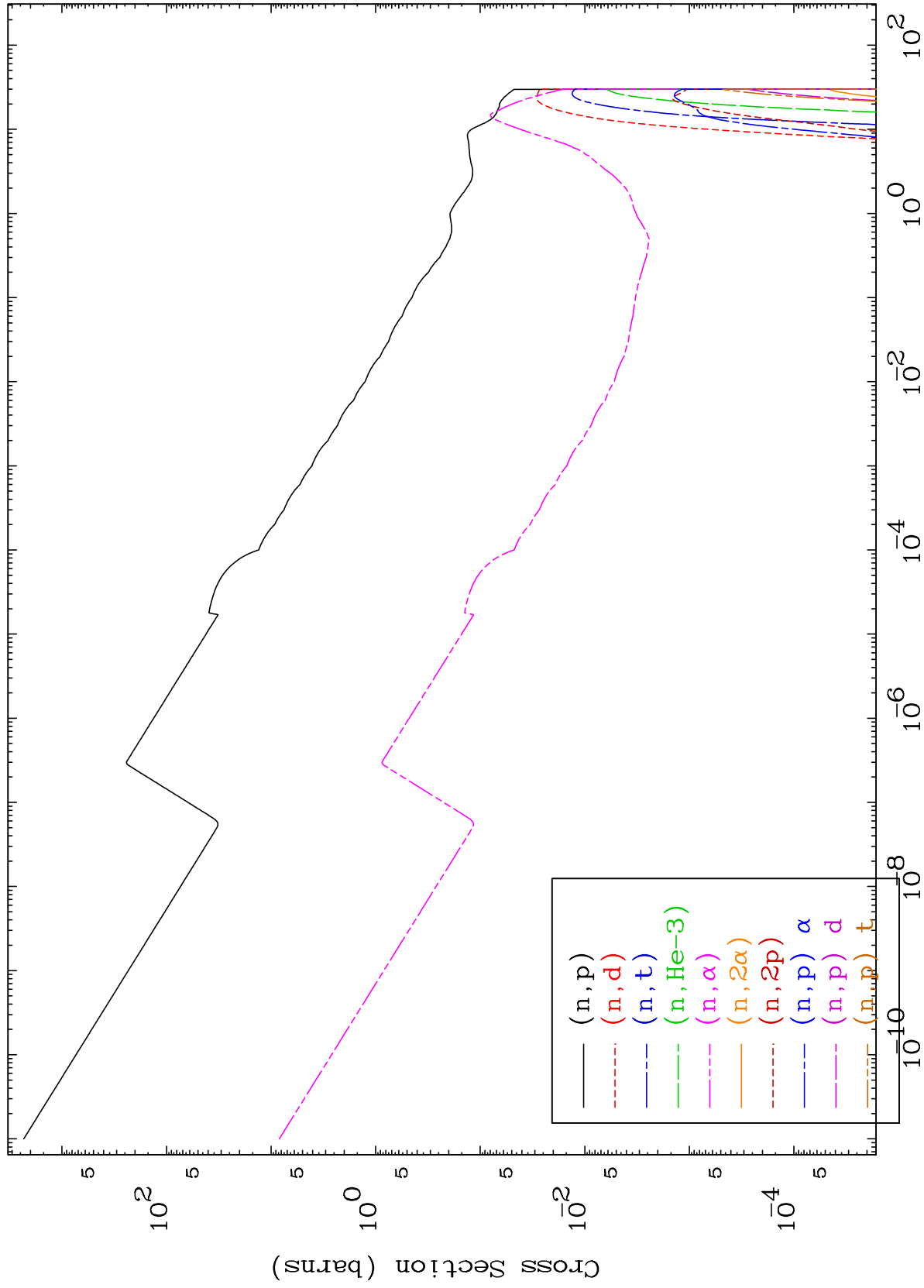
53-I -120



MAT 5304

Charged Particle
293 Kelvin Cross Sections

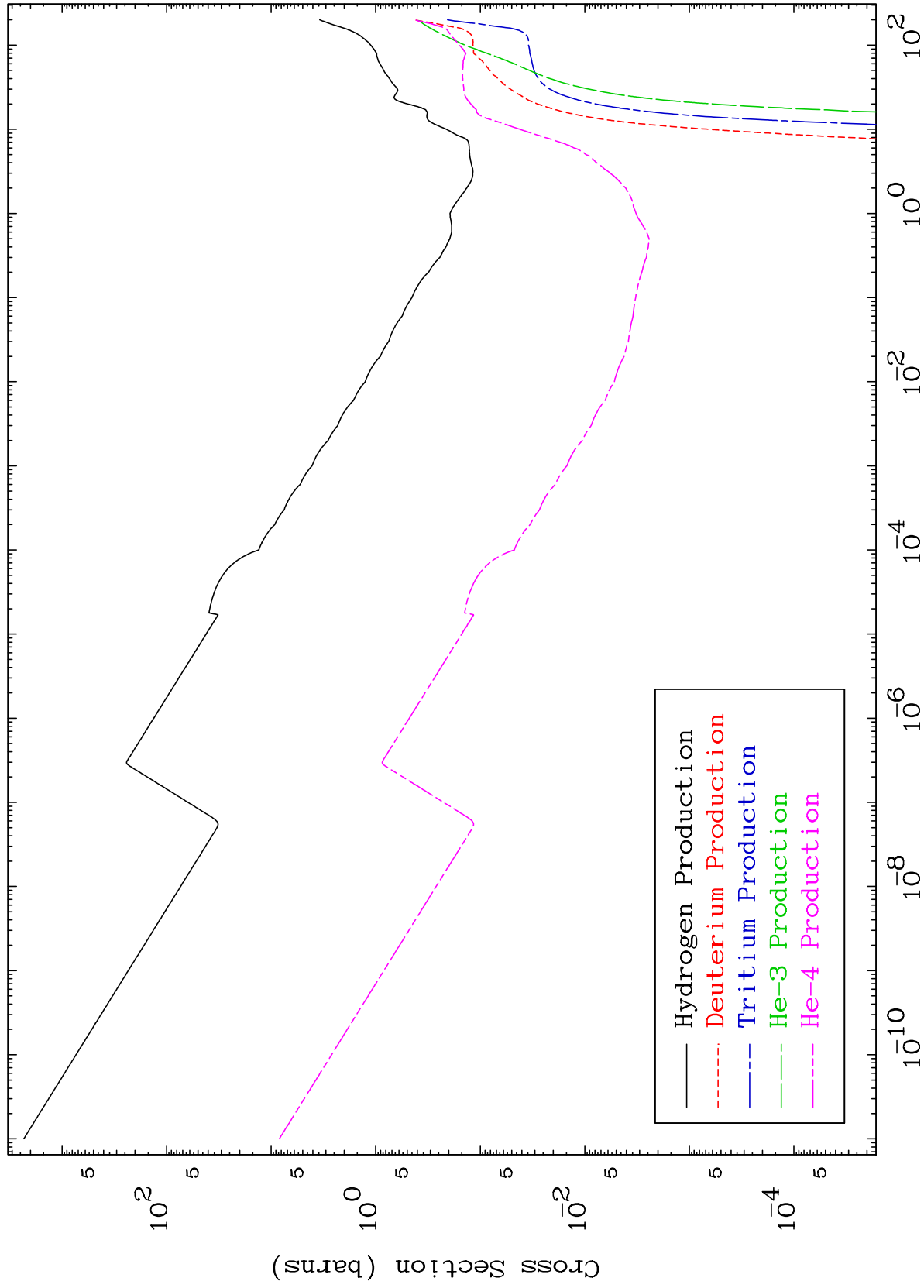
53-I -120

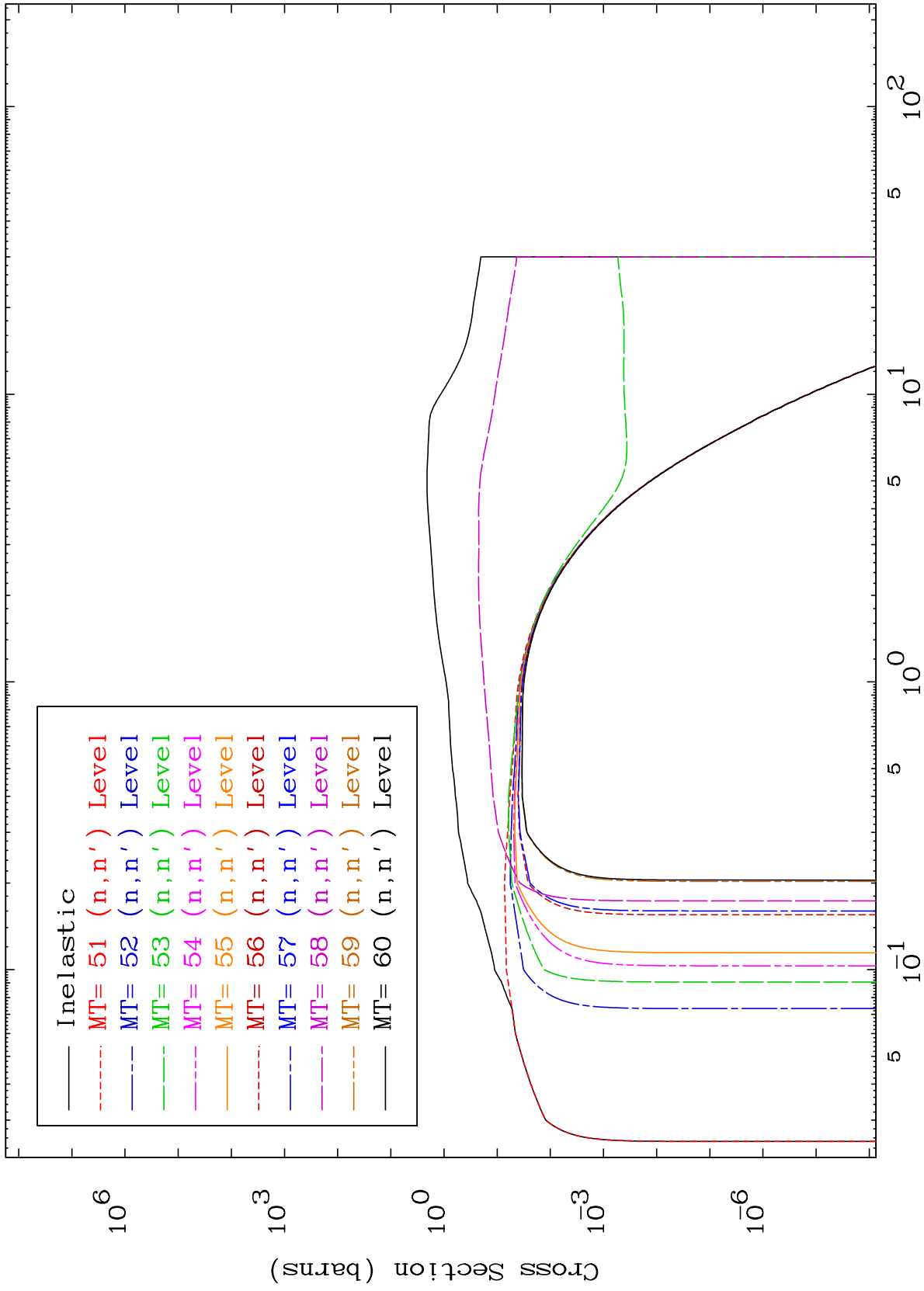


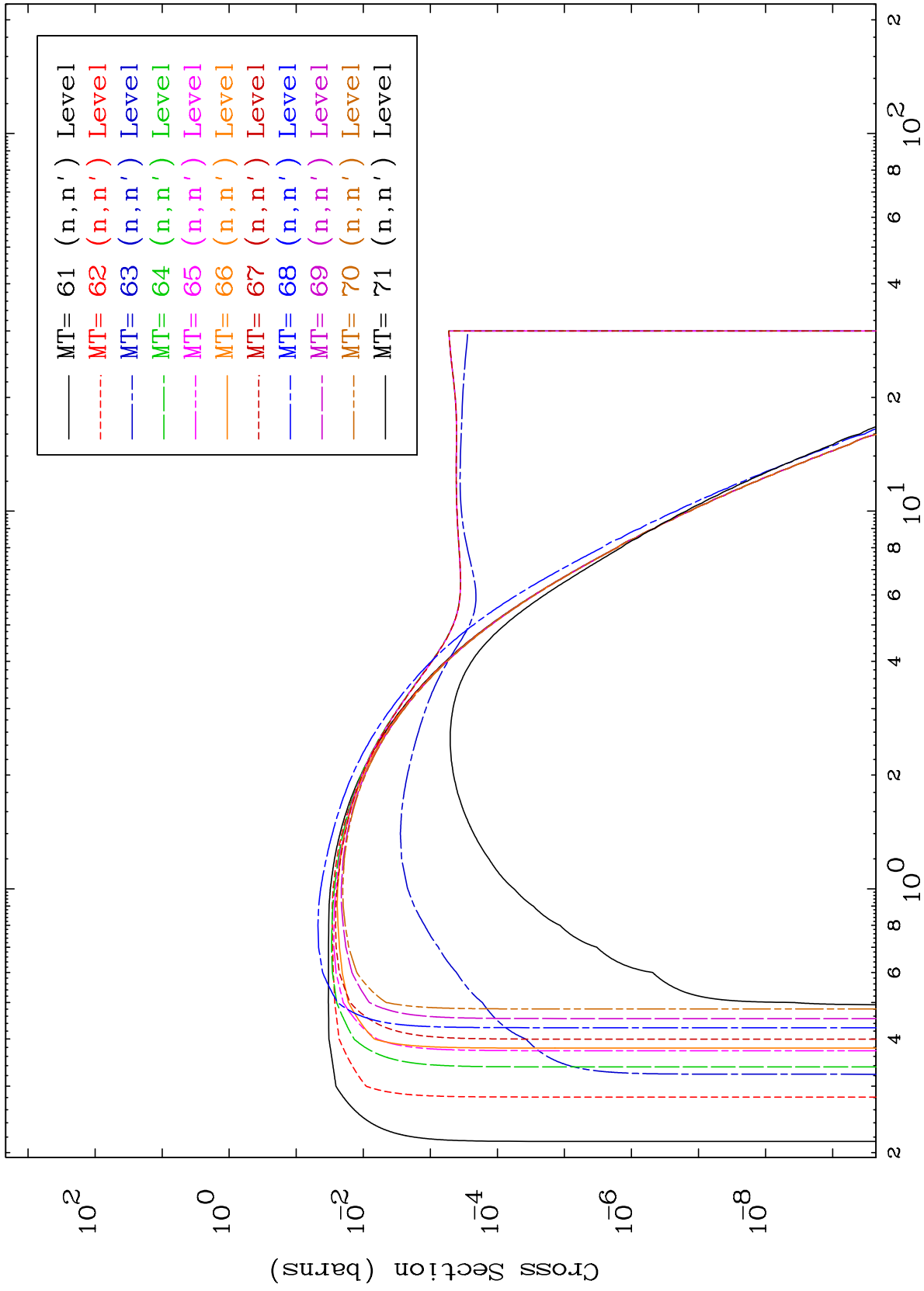
5

Incident Energy (MeV)

53-I -120





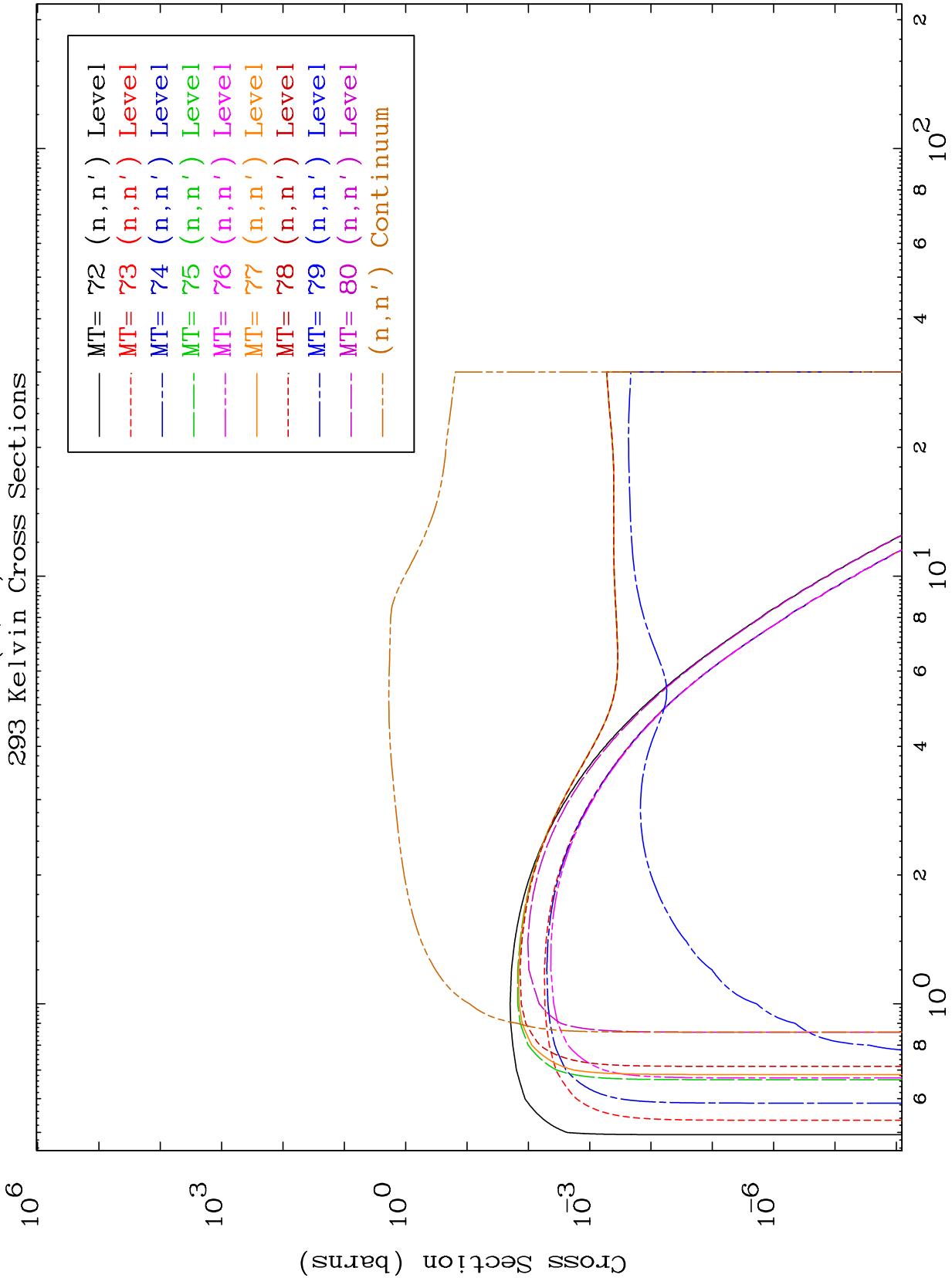


MAT 5304

(n,n') Level

53-I -120

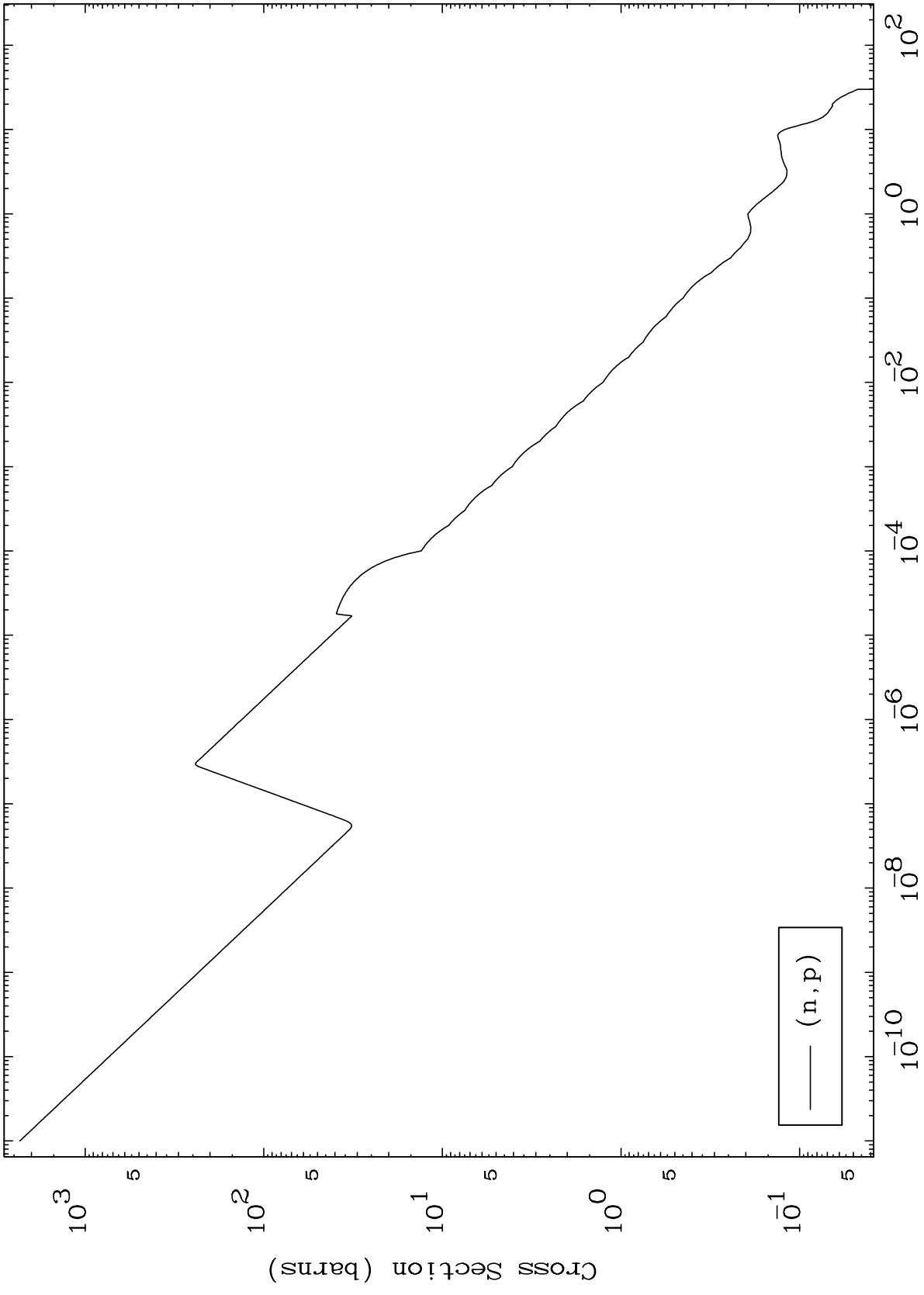
293 Kelvin Cross Sections



MAT 5304

(n,p) Levels
293 Kelvin Cross Sections

53-I -120



10

Incident Energy (MeV)

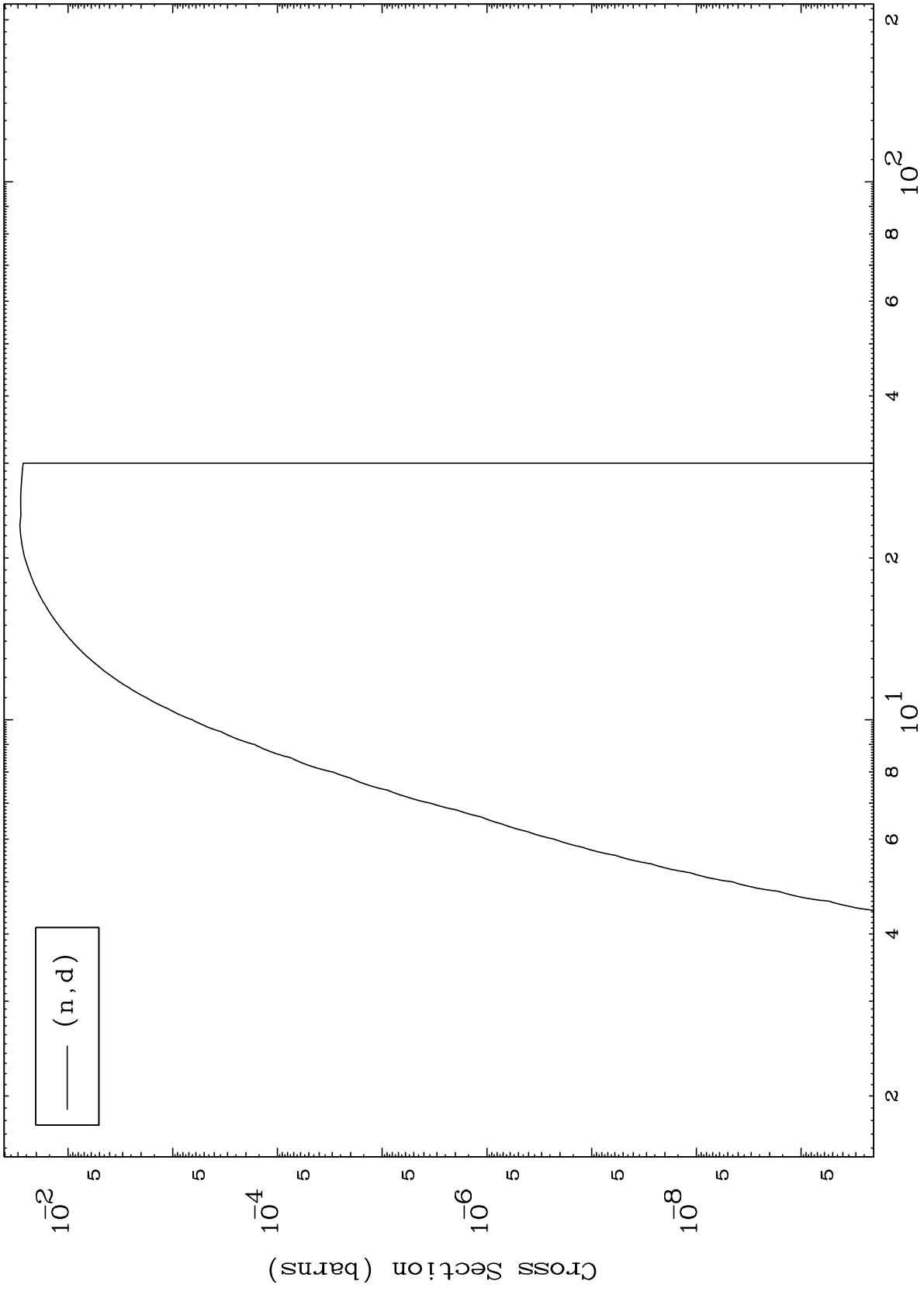
53-I -120

— (n,p)

MAT 5304

(n,d) Levels
293 Kelvin Cross Sections

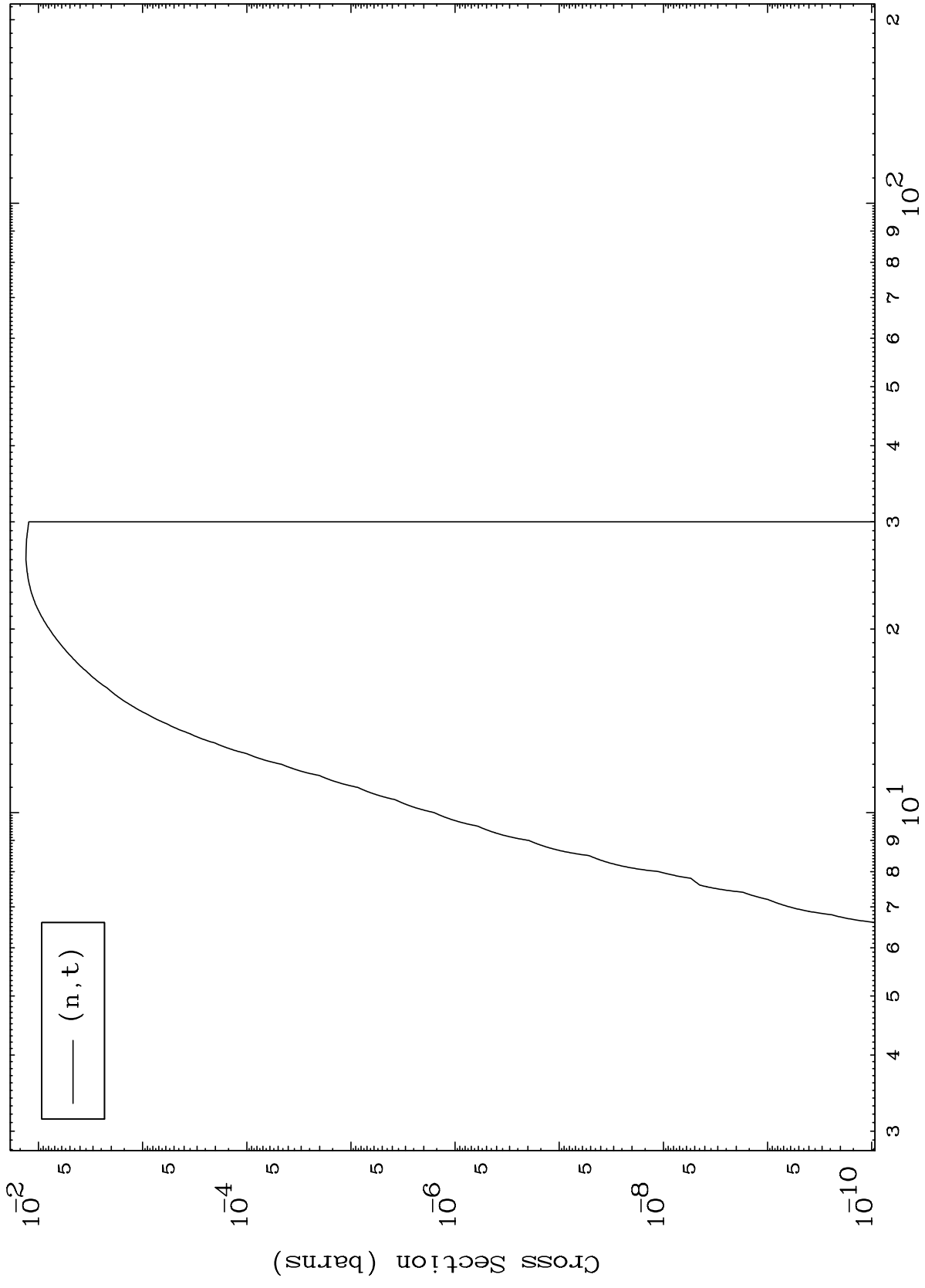
53-I -120



MAT 5304

(n,t) Levels
293 Kelvin Cross Sections

53-I -120



12

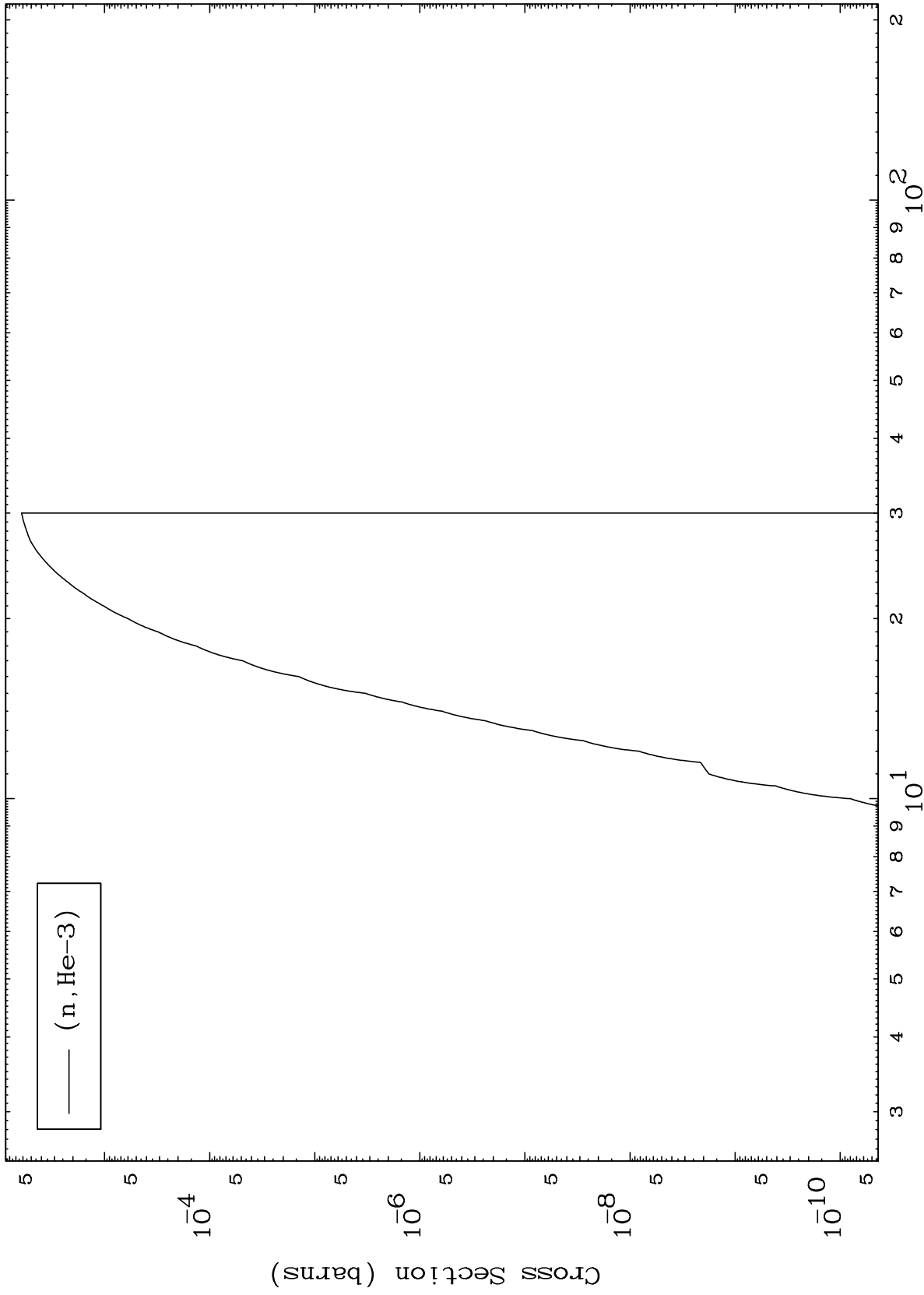
Incident Energy (MeV)

53-I -120

MAT 5304

(n,He3) Levels
293 Kelvin Cross Sections

53-I -120



13

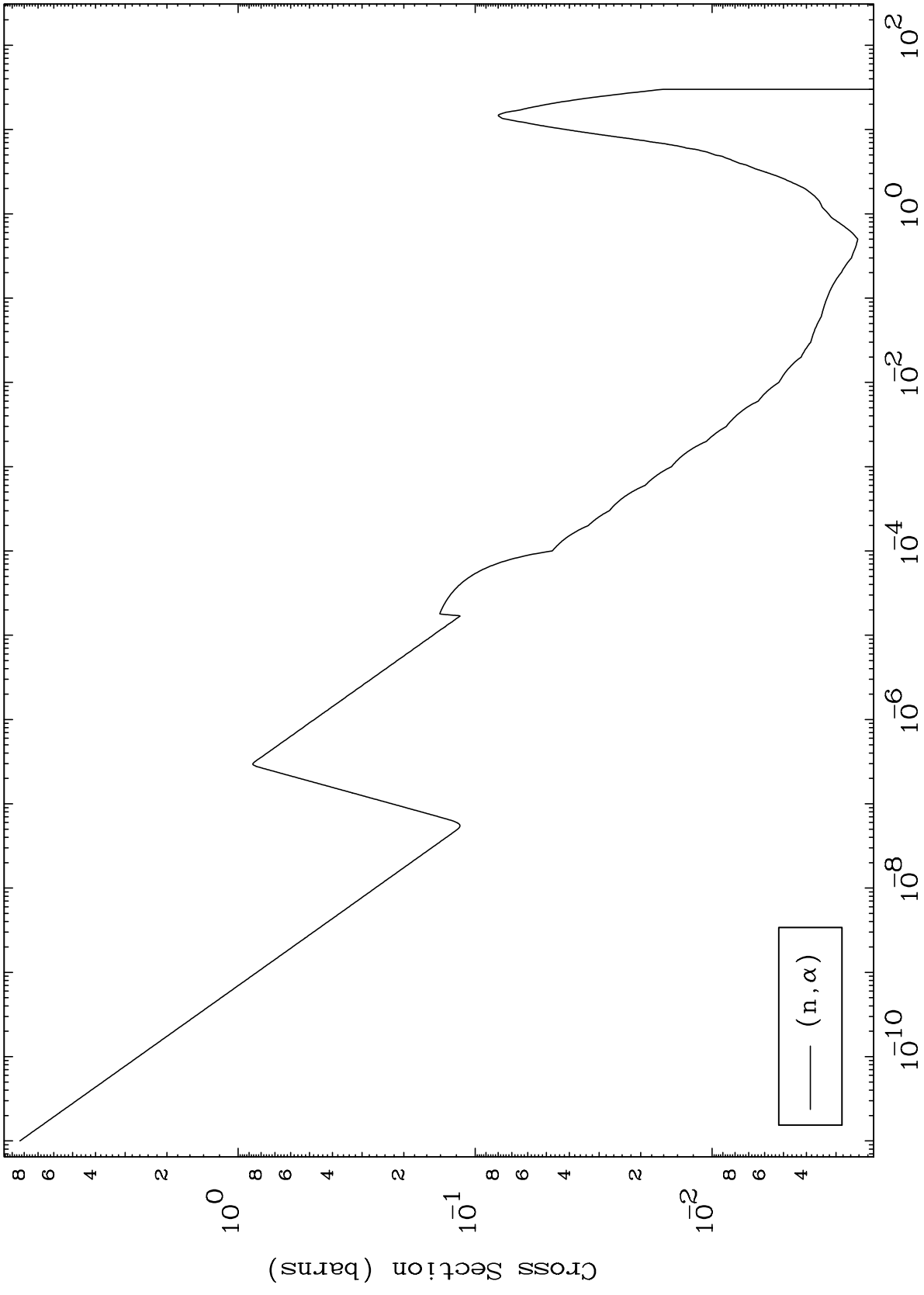
Incident Energy (MeV)

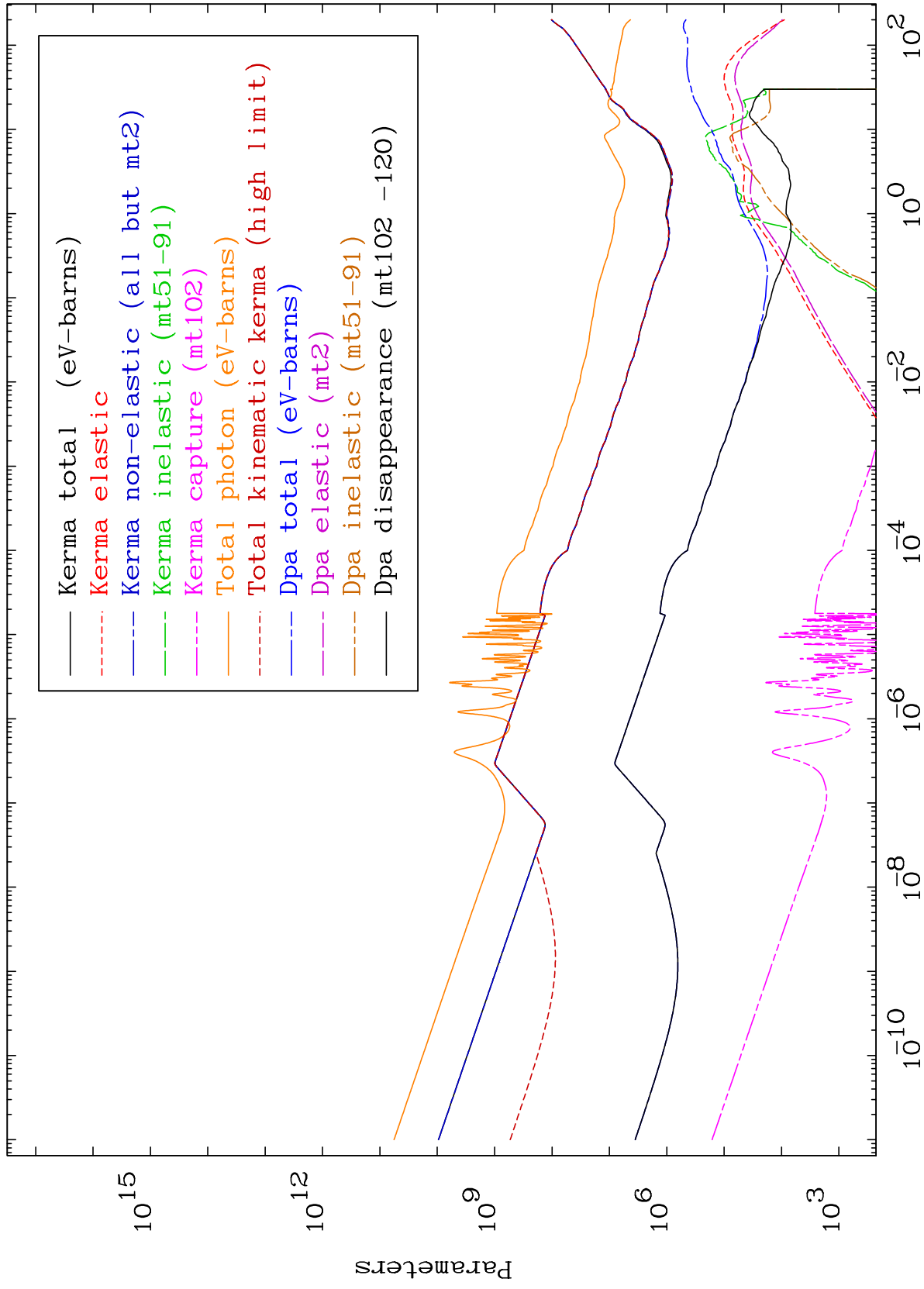
53-I -120

MAT 5304

(n,α) Levels
293 Kelvin Cross Sections

53-I -120

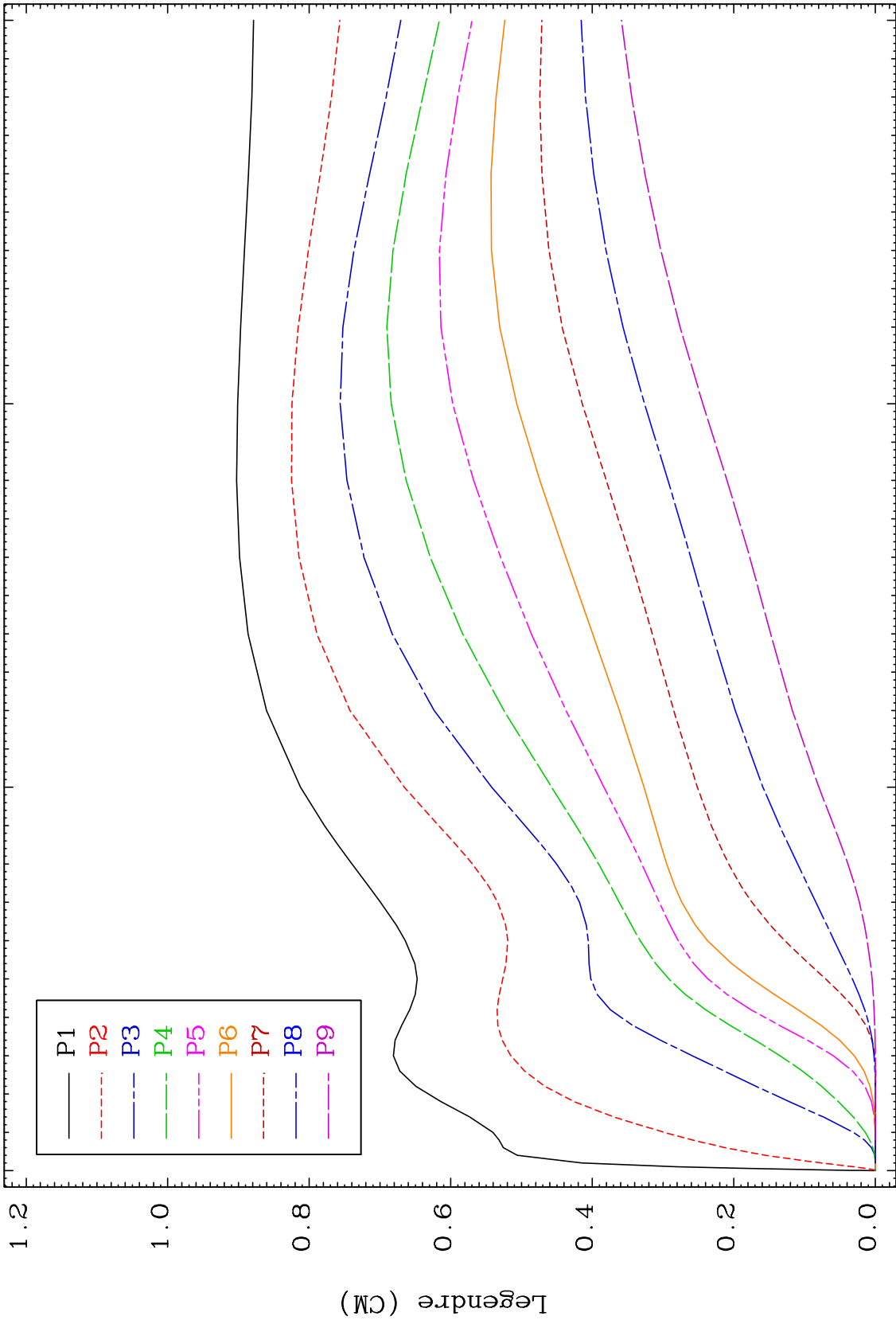




MAT 5304

Elastic Legendre Coefficients

53-I -120



16

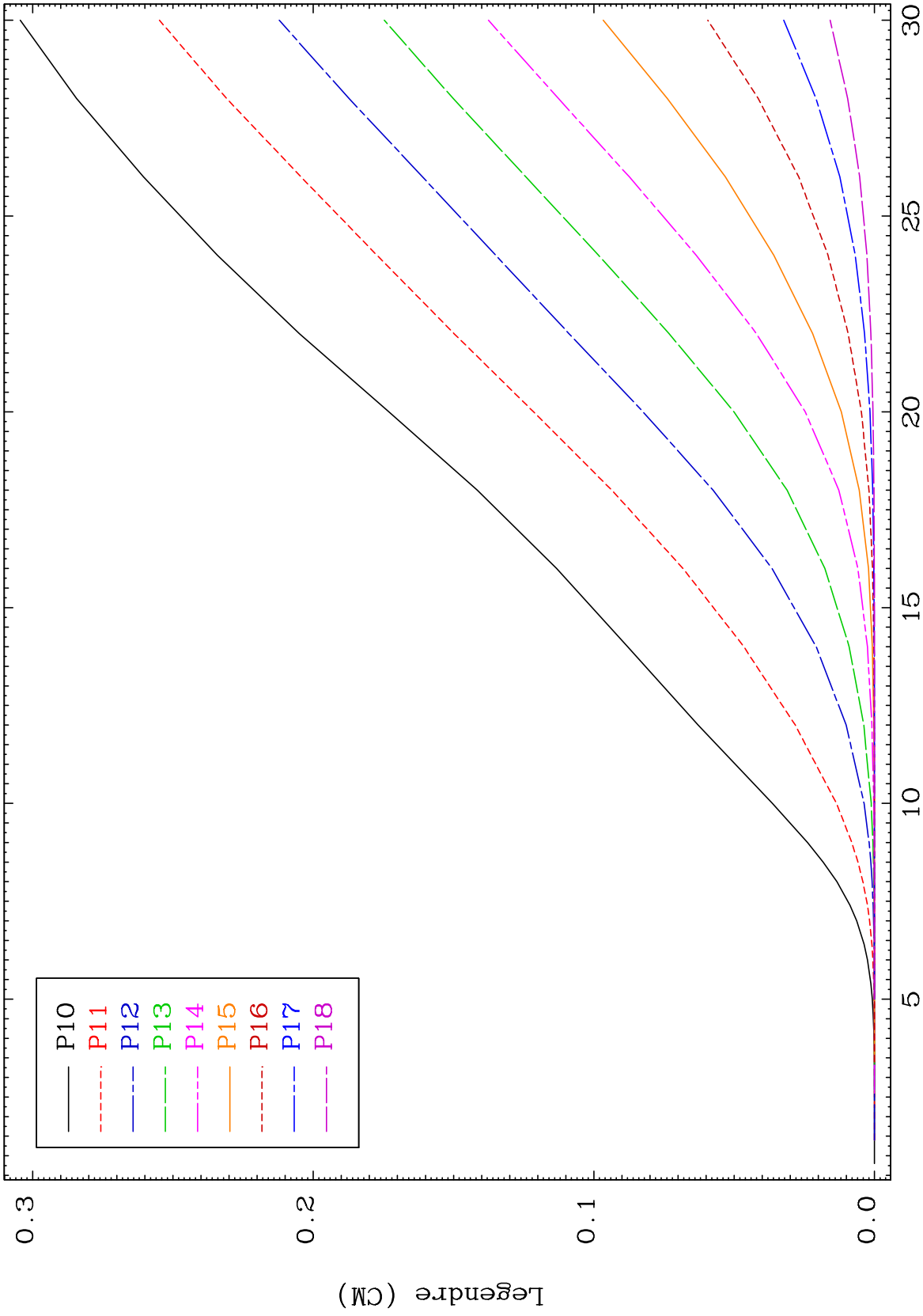
Incident Energy (MeV)

53-I -120

MAT 5304

Elastic Legendre Coefficients

53-I -120



17

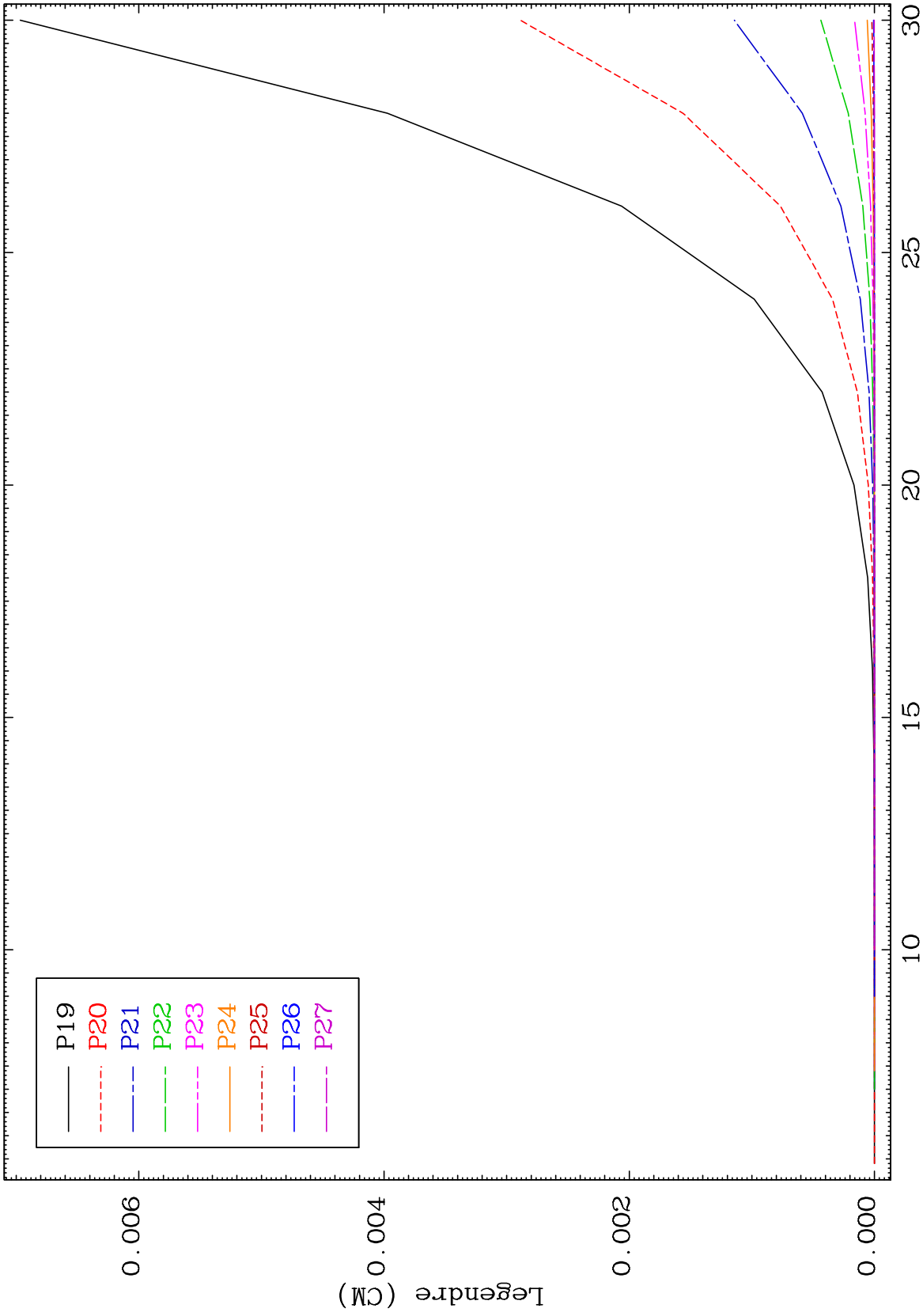
Incident Energy (MeV)

53-I -120

MAT 5304

Elastic Legendre Coefficients

53-I -120



18

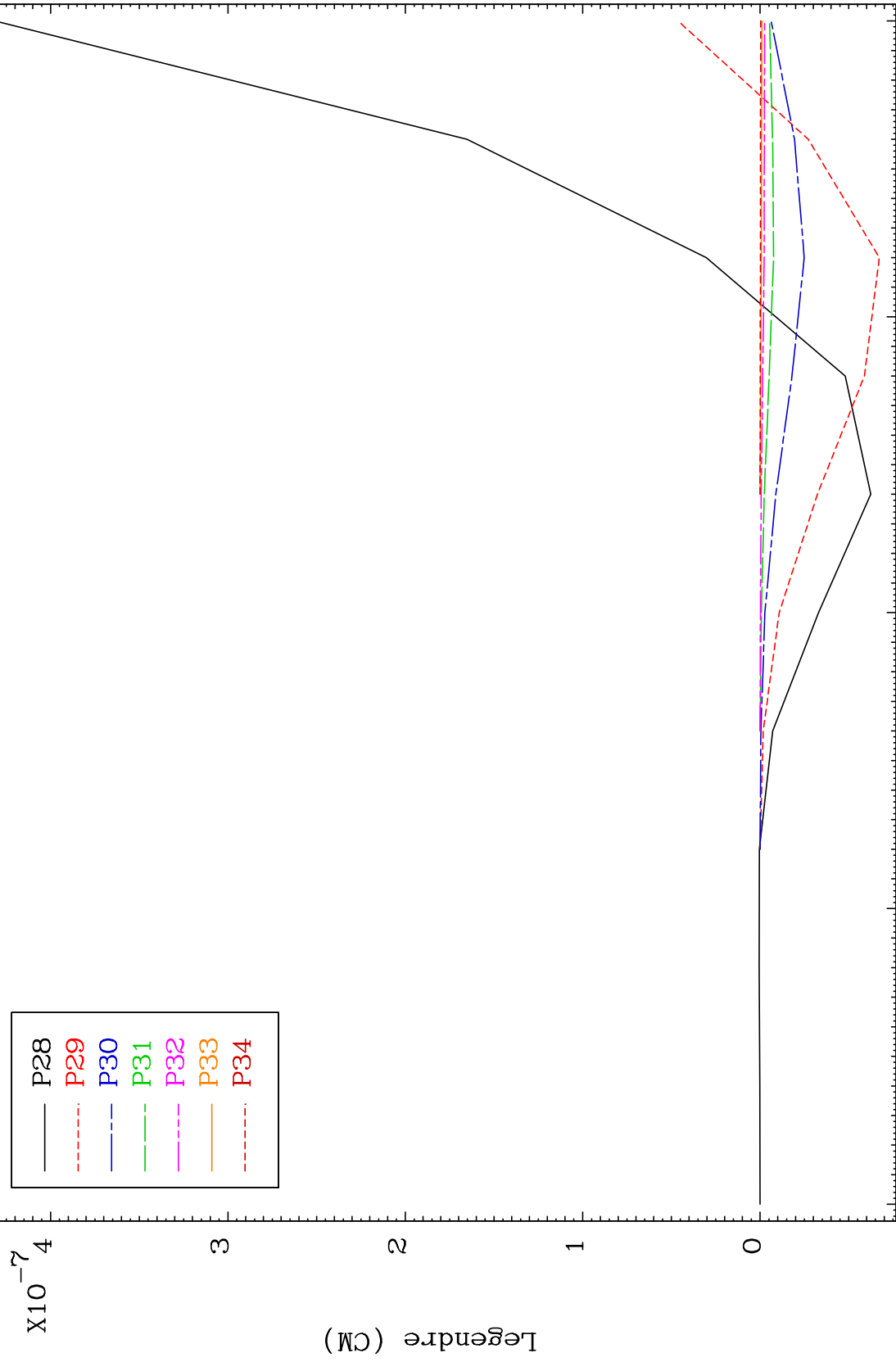
Incident Energy (MeV)

53-I -120

MAT 5304

Elastic Legendre Coefficients

53-I -120



19

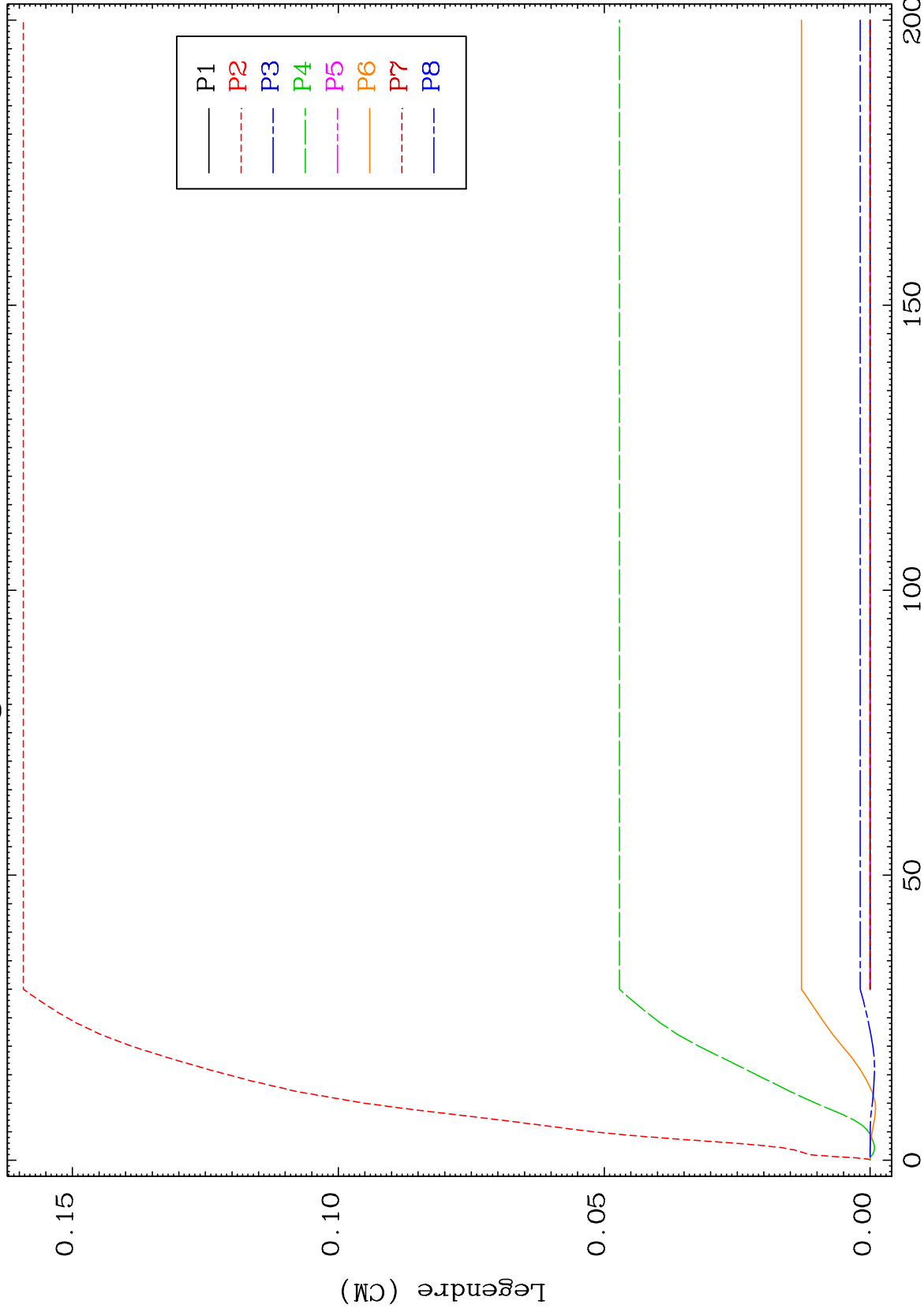
Incident Energy (MeV)

53-I -120

MAT 5304

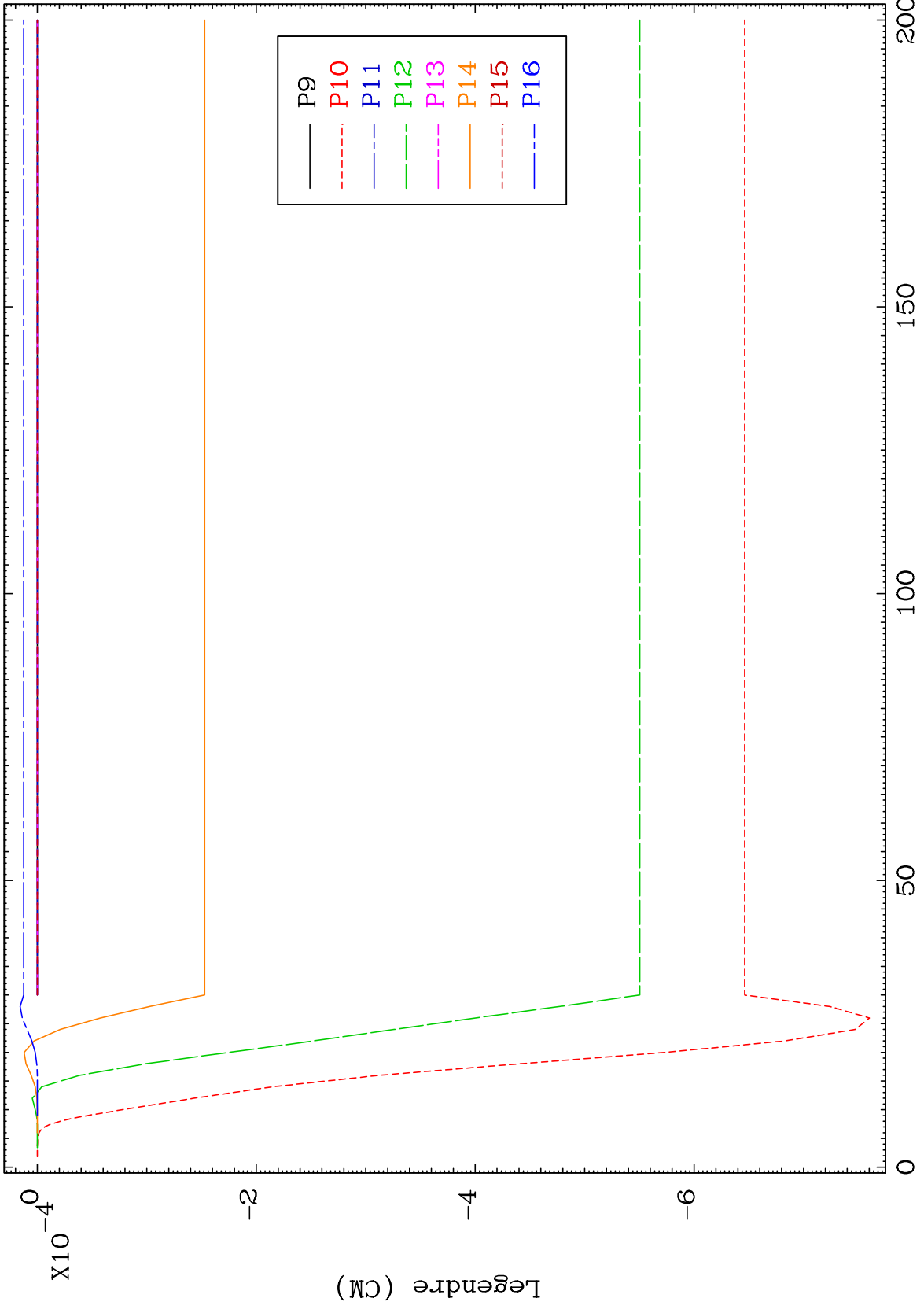
MT= 51 (n,n') Level
Legendre Coefficients

53-I -120



53-I -120

MAT 5304 MT= 51 (n,n') Level Legendre Coefficients 53-I -120

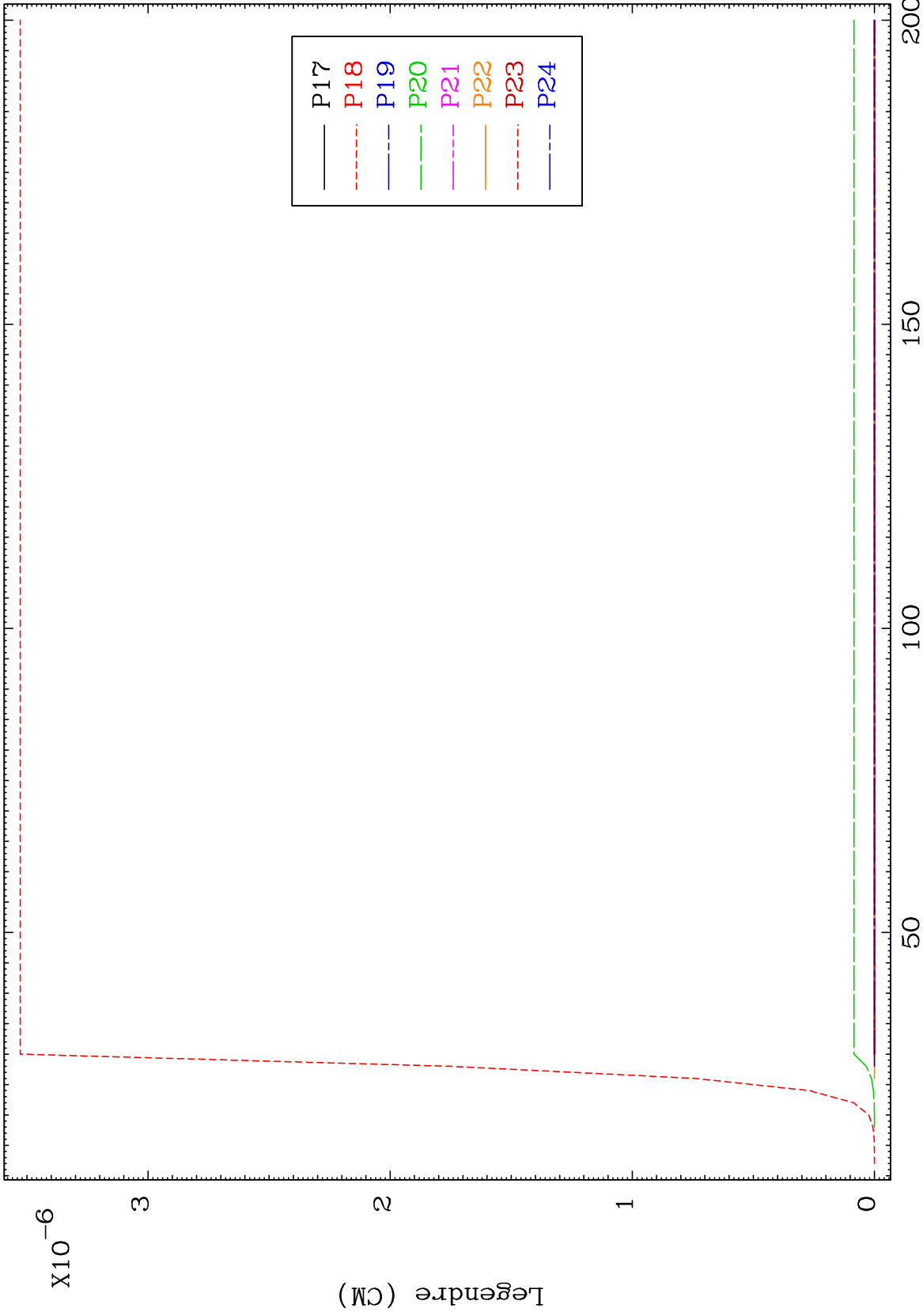


21 Incident Energy (MeV) 53-I -120

MAT 5304

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

53-I -120



22

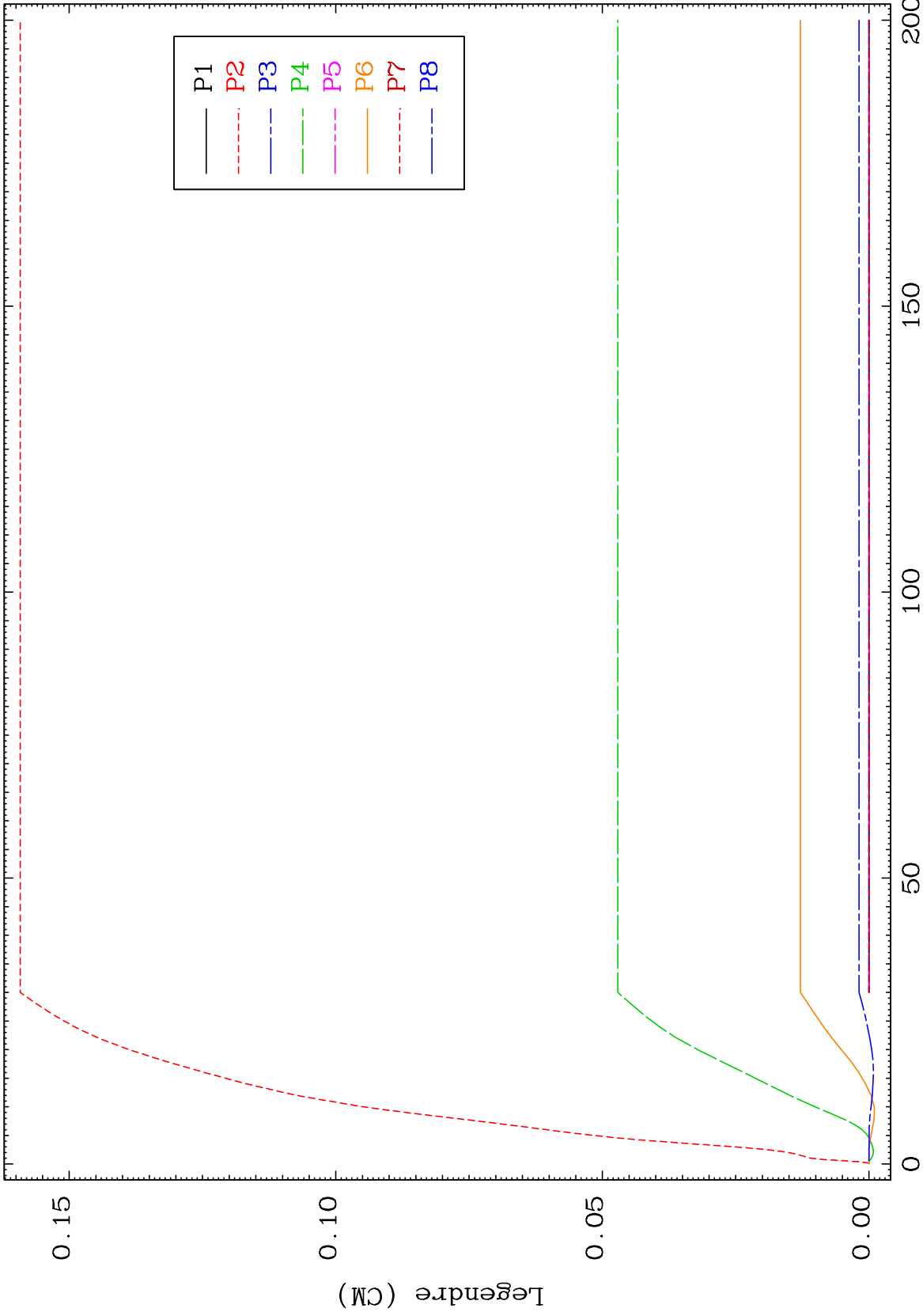
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



23

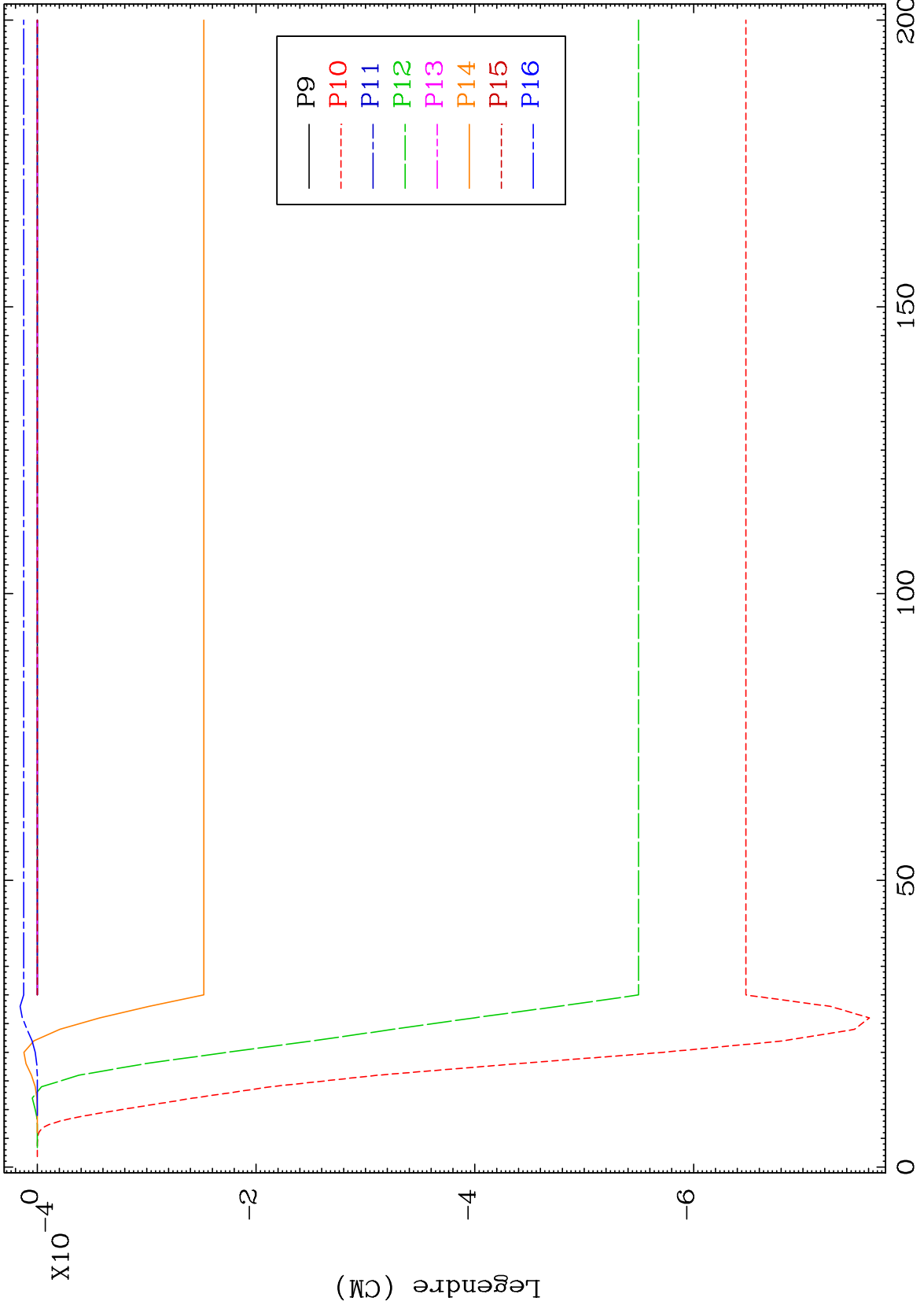
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



24

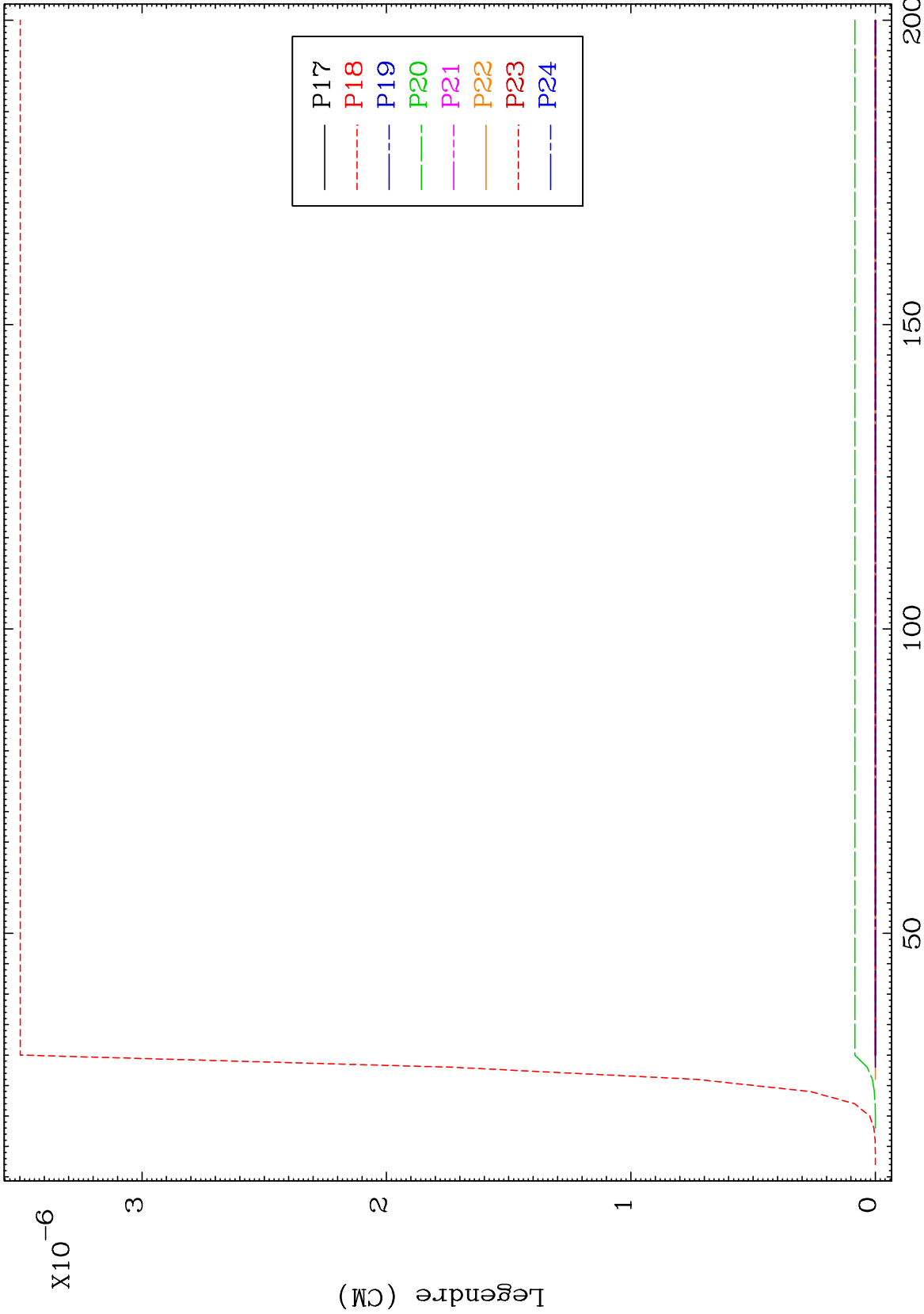
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



25

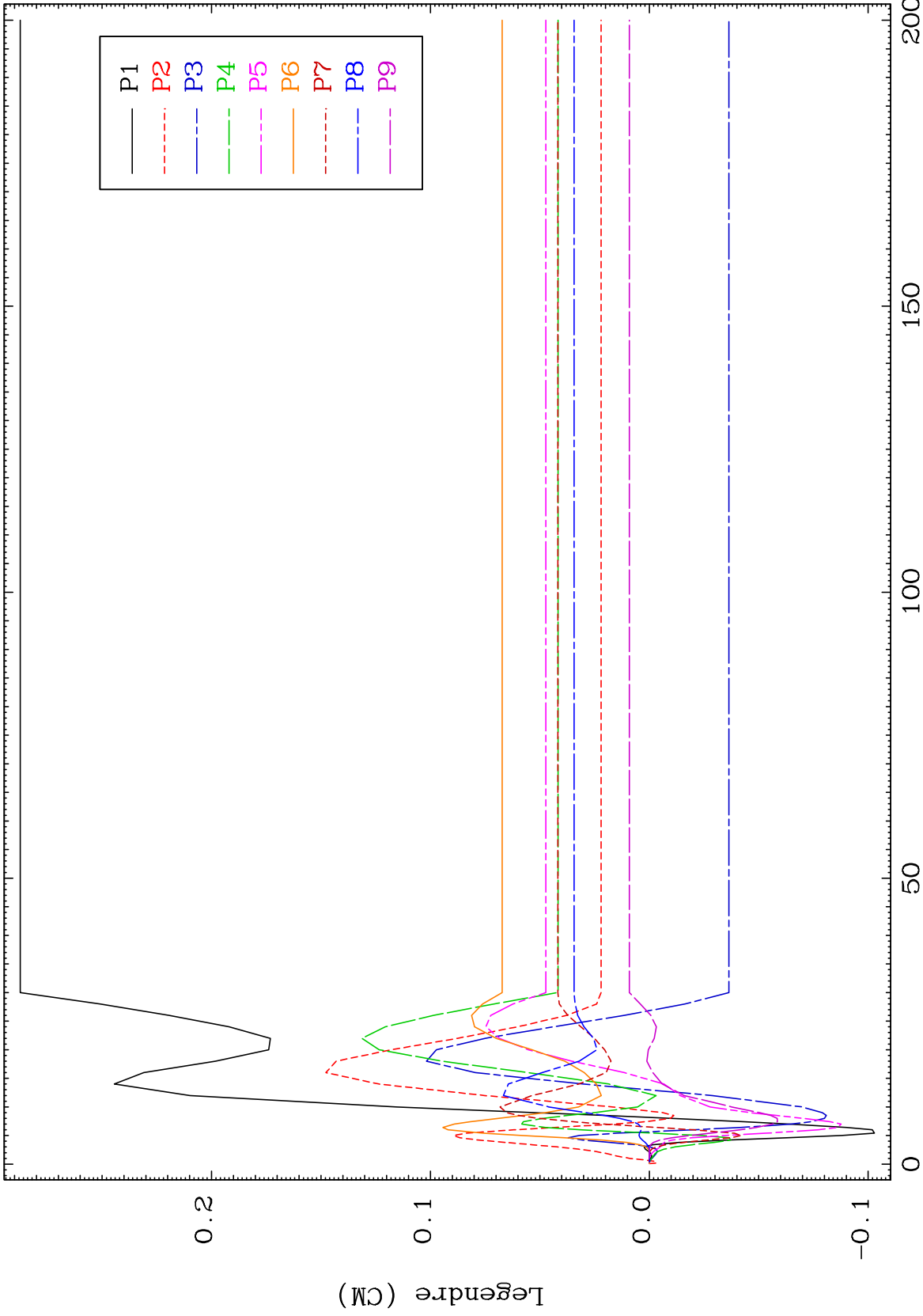
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



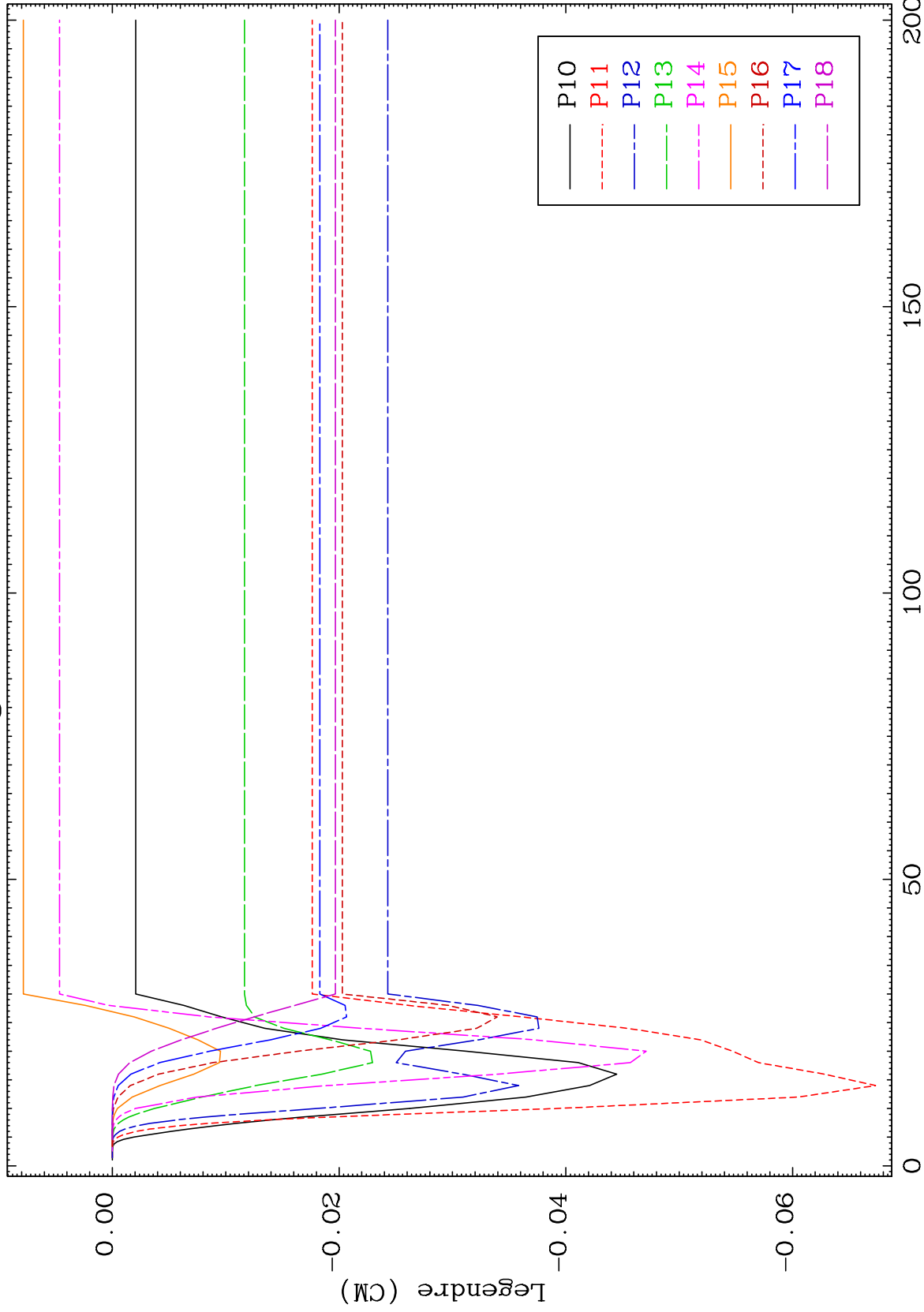
26

53-I -120

MAT 5304

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

53-I -120

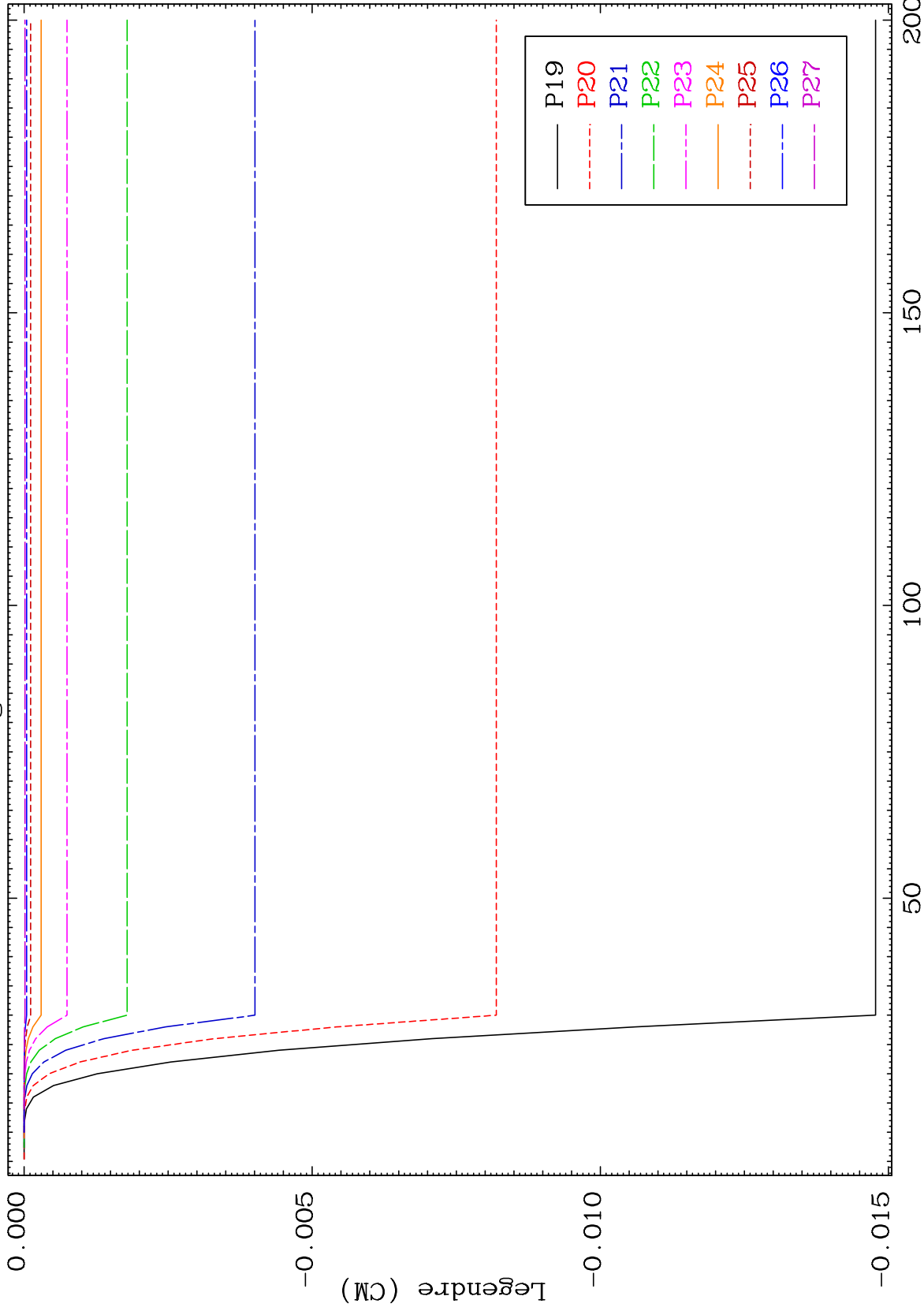


27

Incident Energy (MeV)

53-I -120

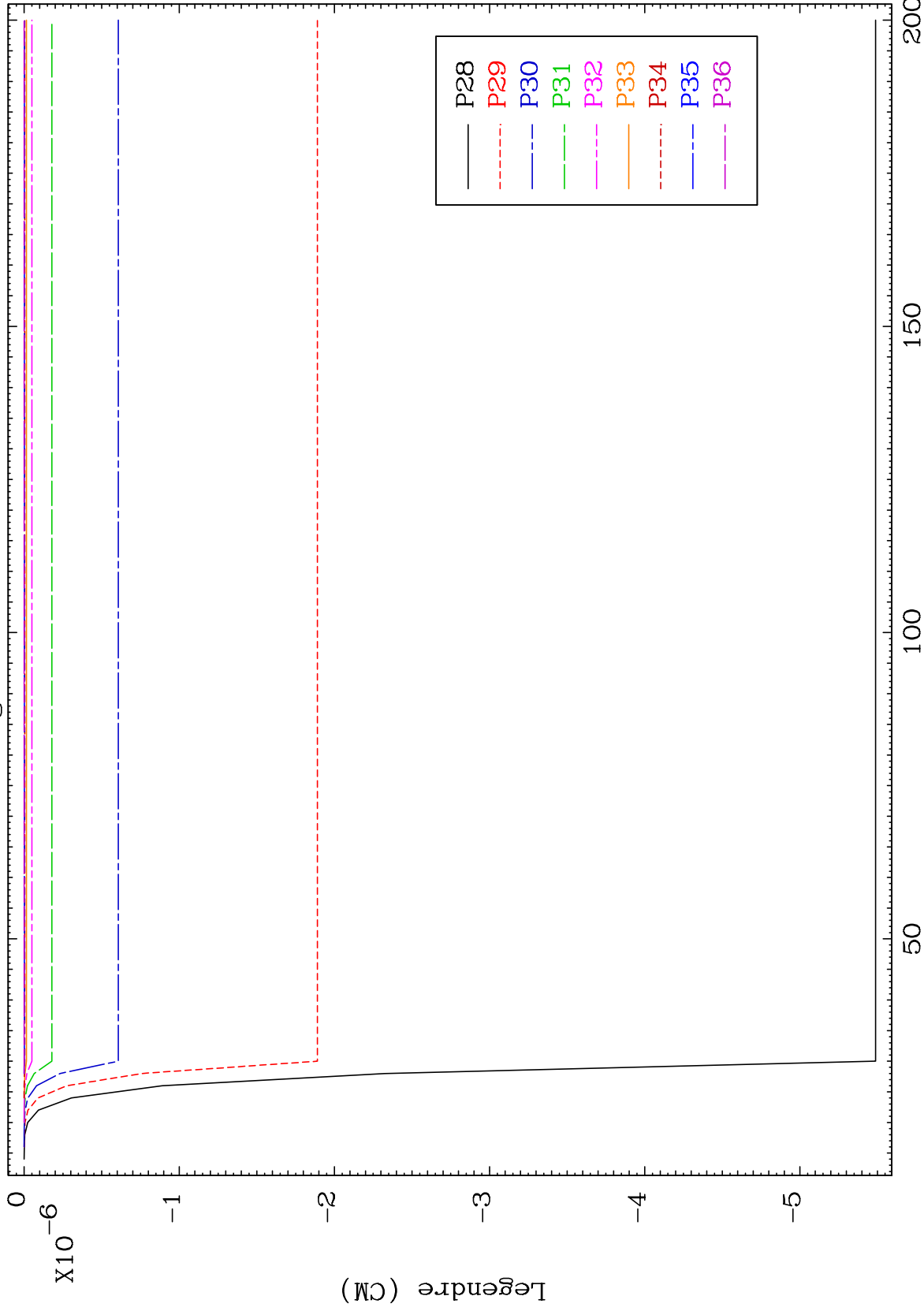
MAT 5304 MT= 53 (n,n') Level Legendre Coefficients 53-I -120



MAT 5304

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

53-I -120



29

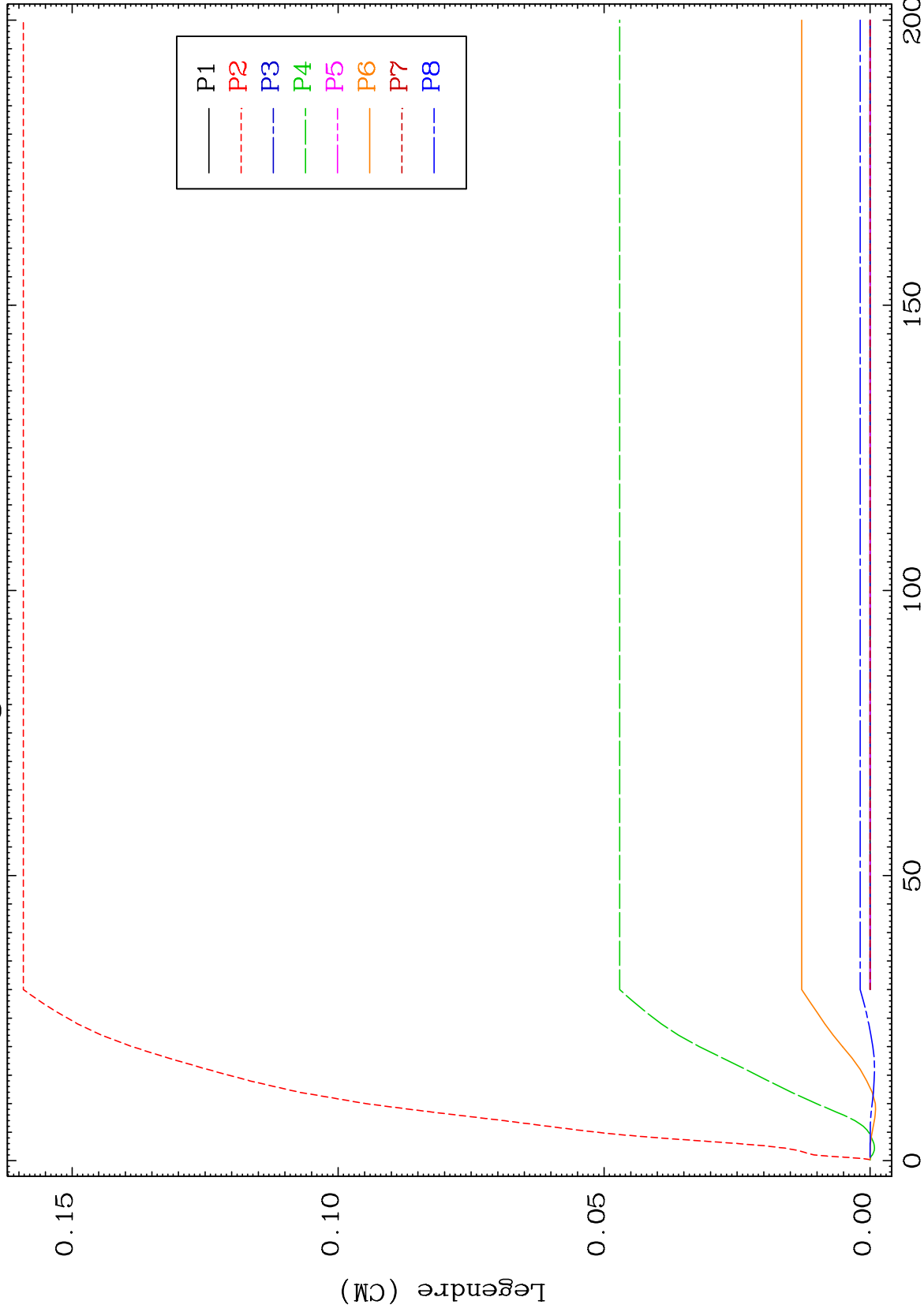
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



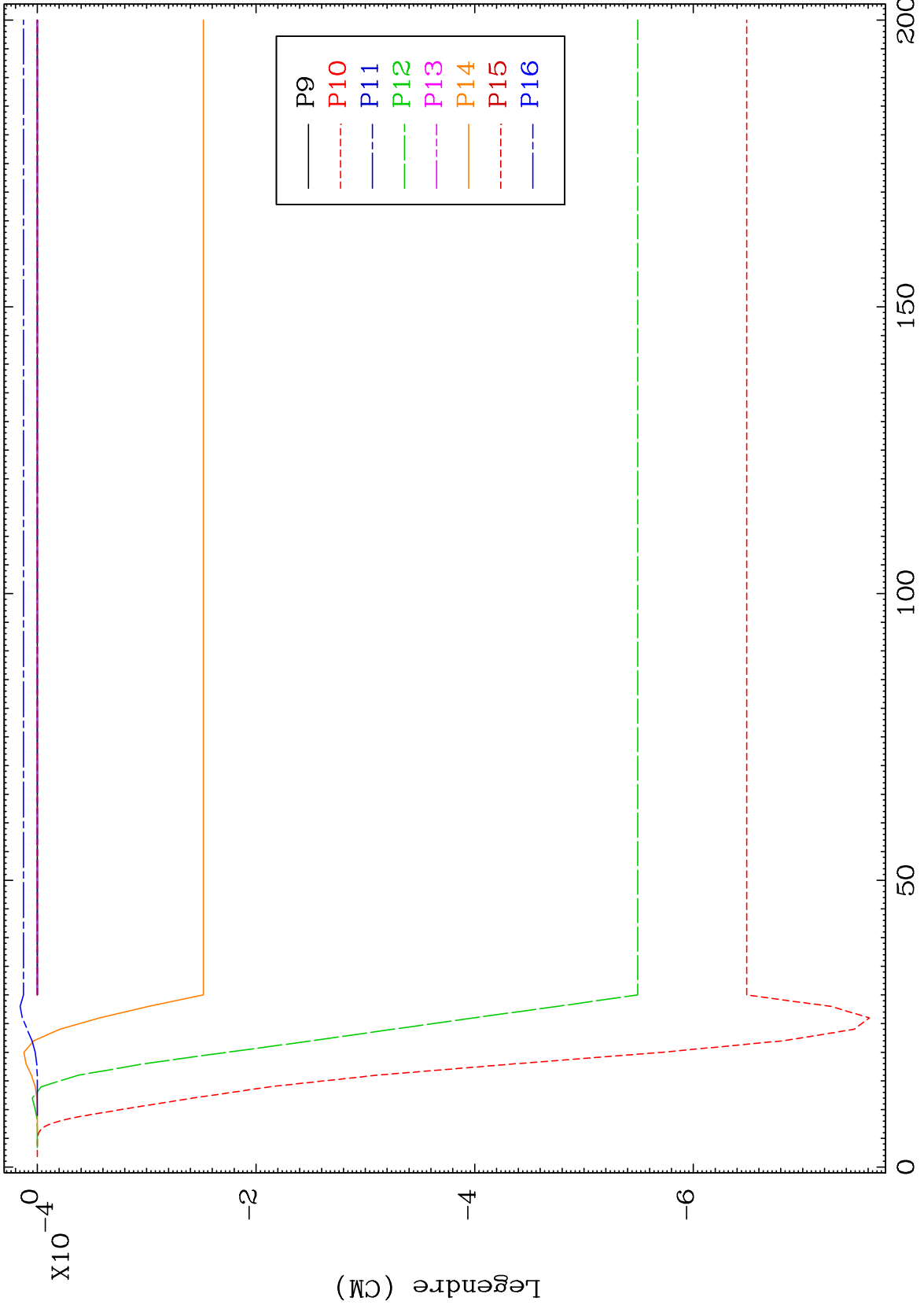
53-I -120

Incident Energy (MeV)

MAT 5304

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

53-I -120



31

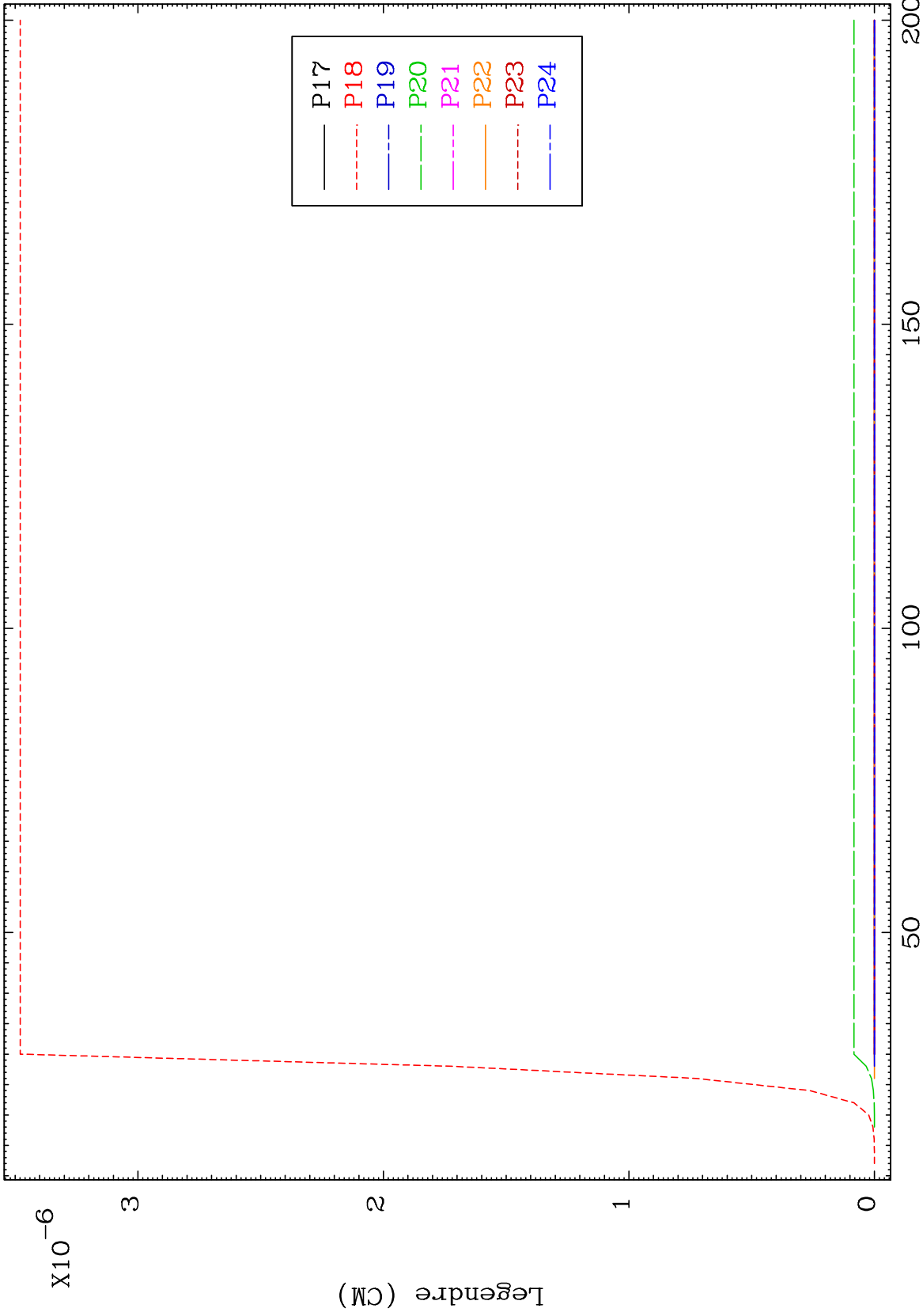
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



32

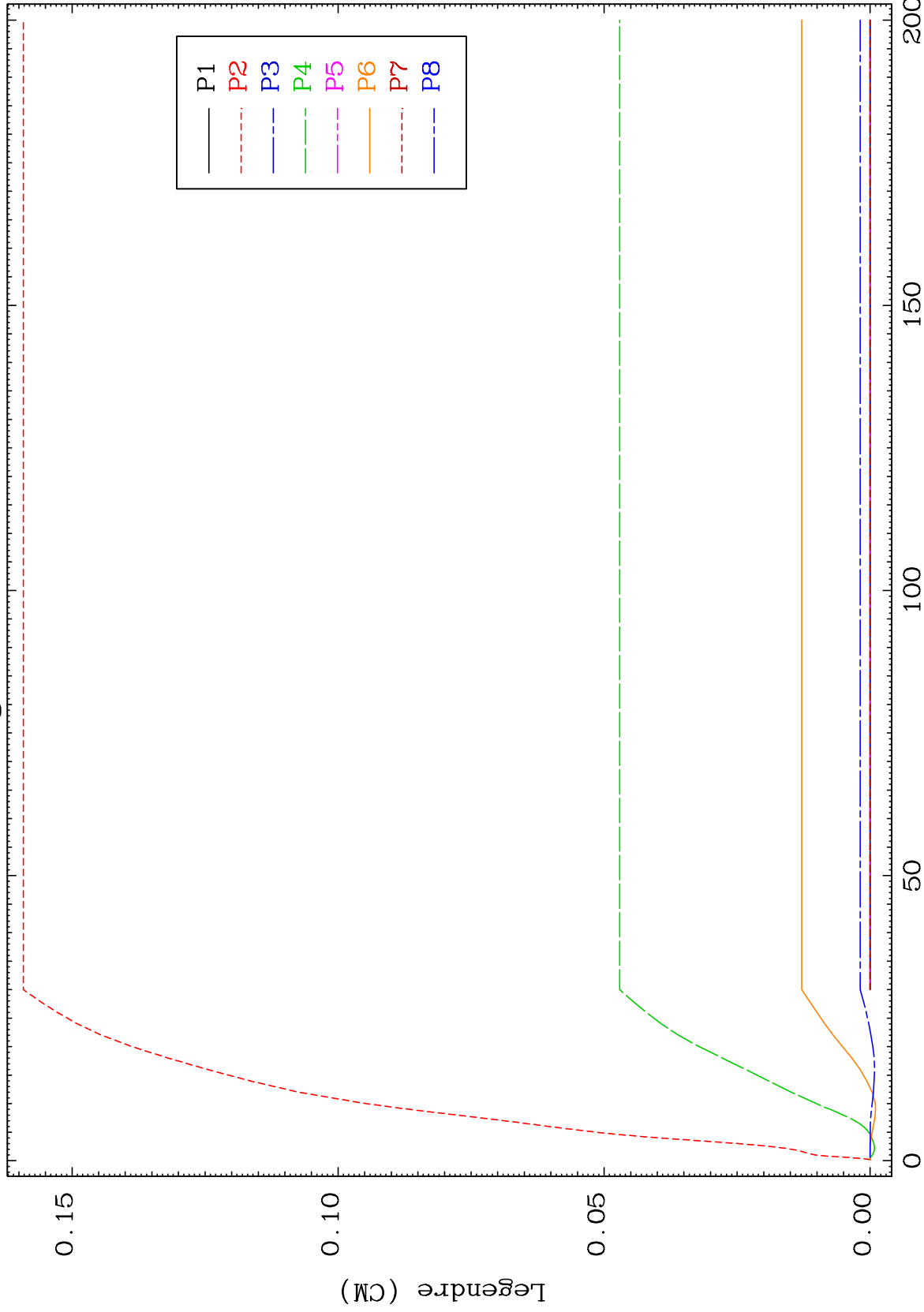
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



33

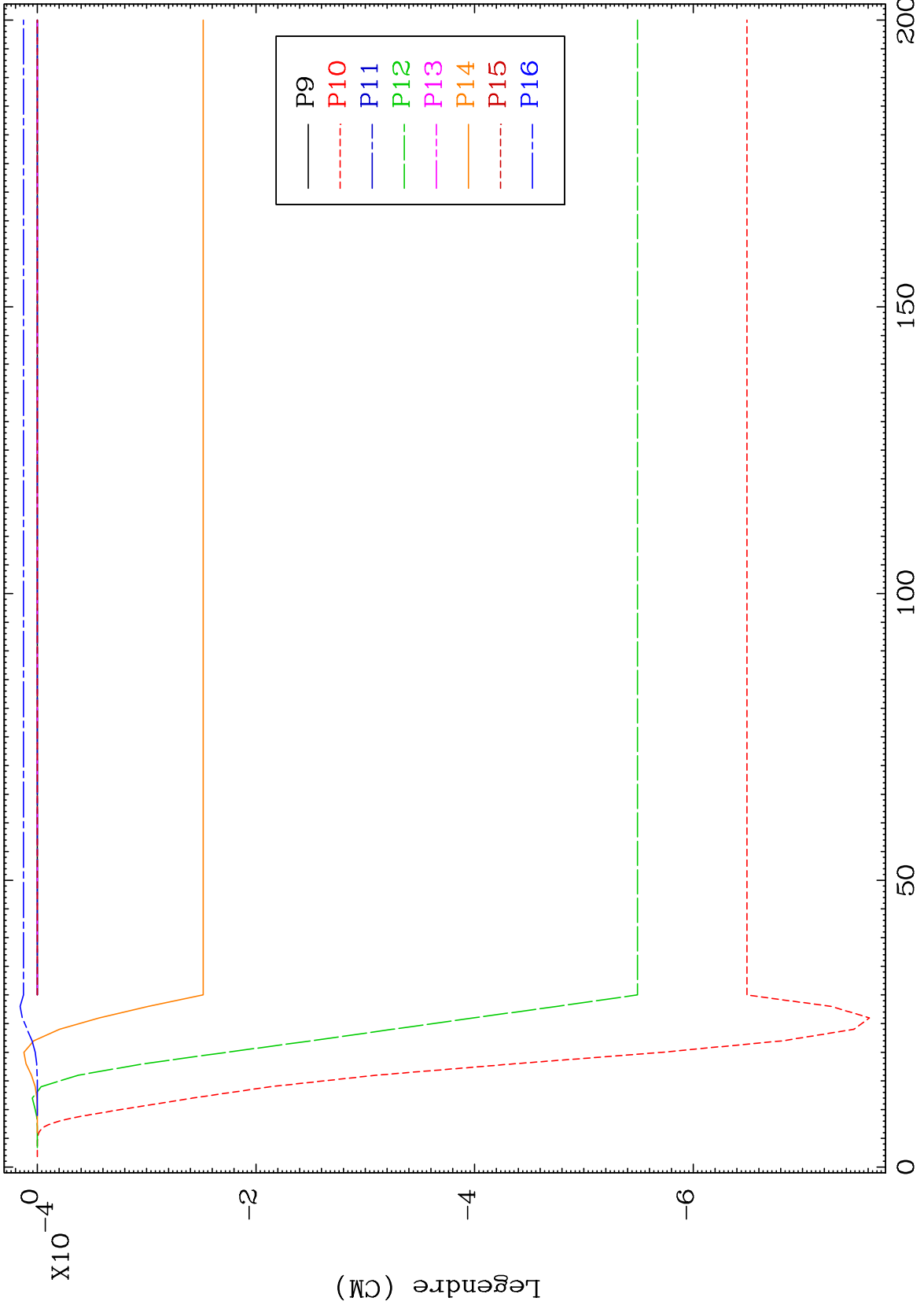
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120

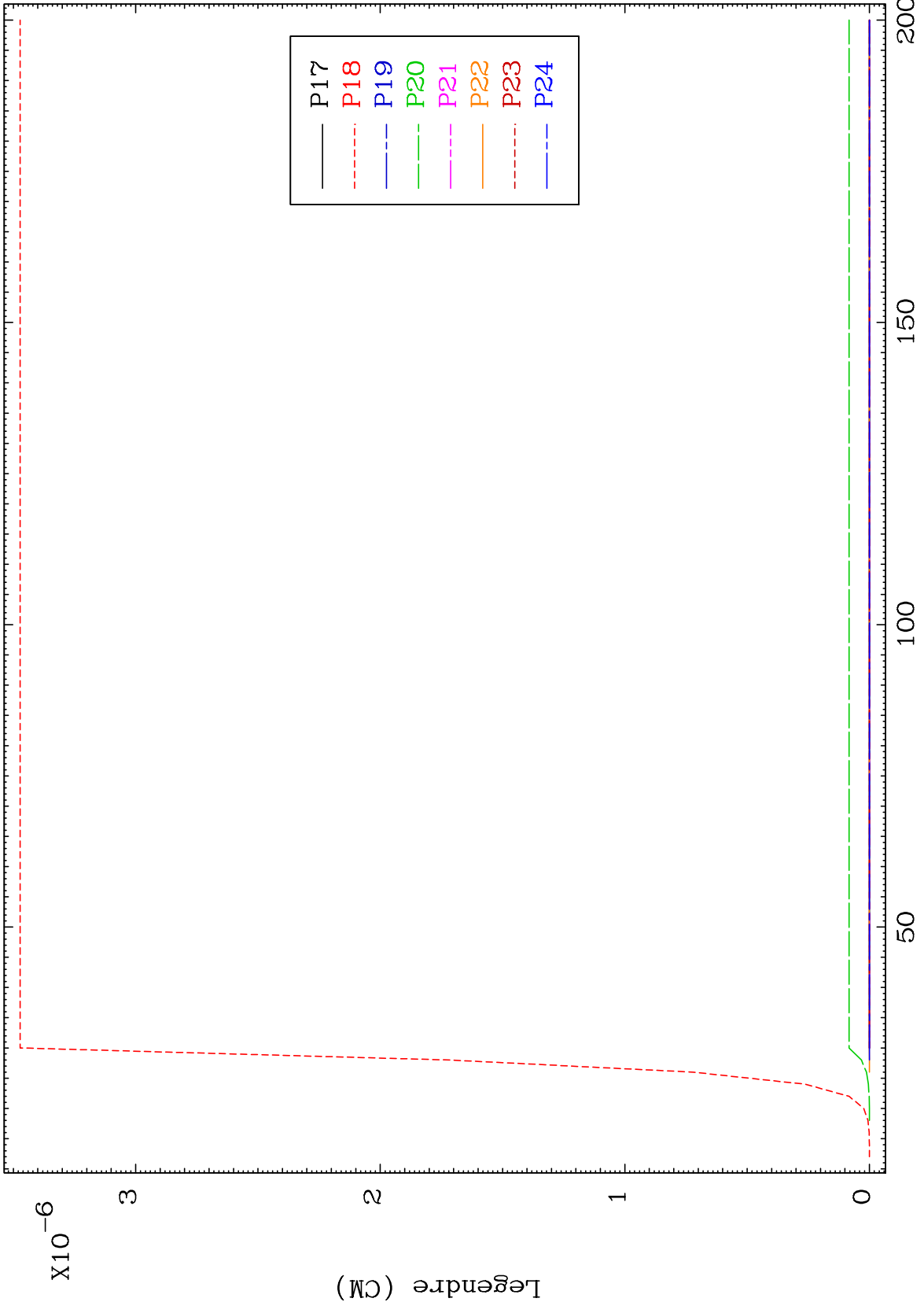


34

Incident Energy (MeV)

53-I -120

MAT 5304 MT= 55 (n,n') Level Legendre Coefficients 53-I -120

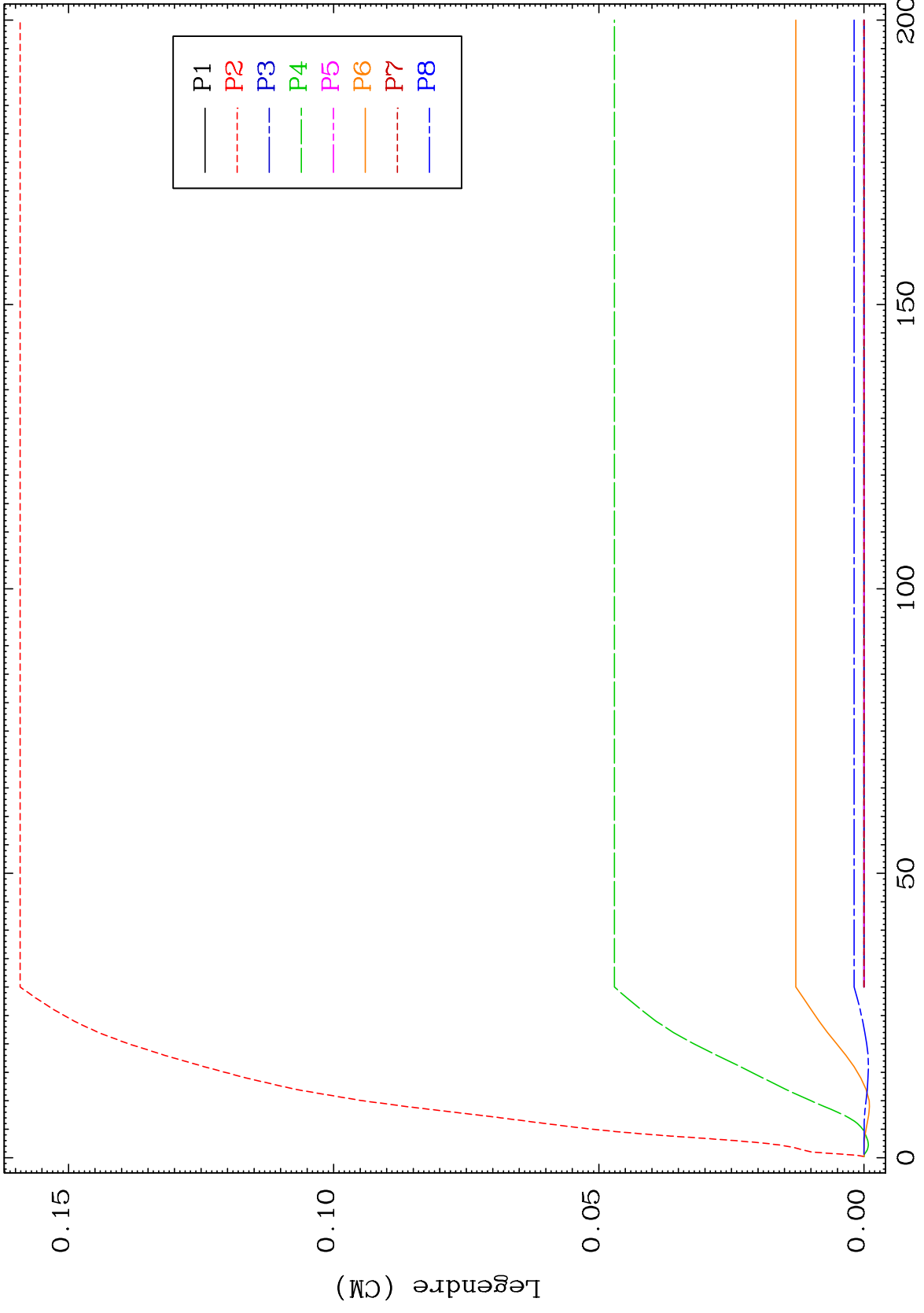


53-I -120

MAT 5304

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

53-I -120

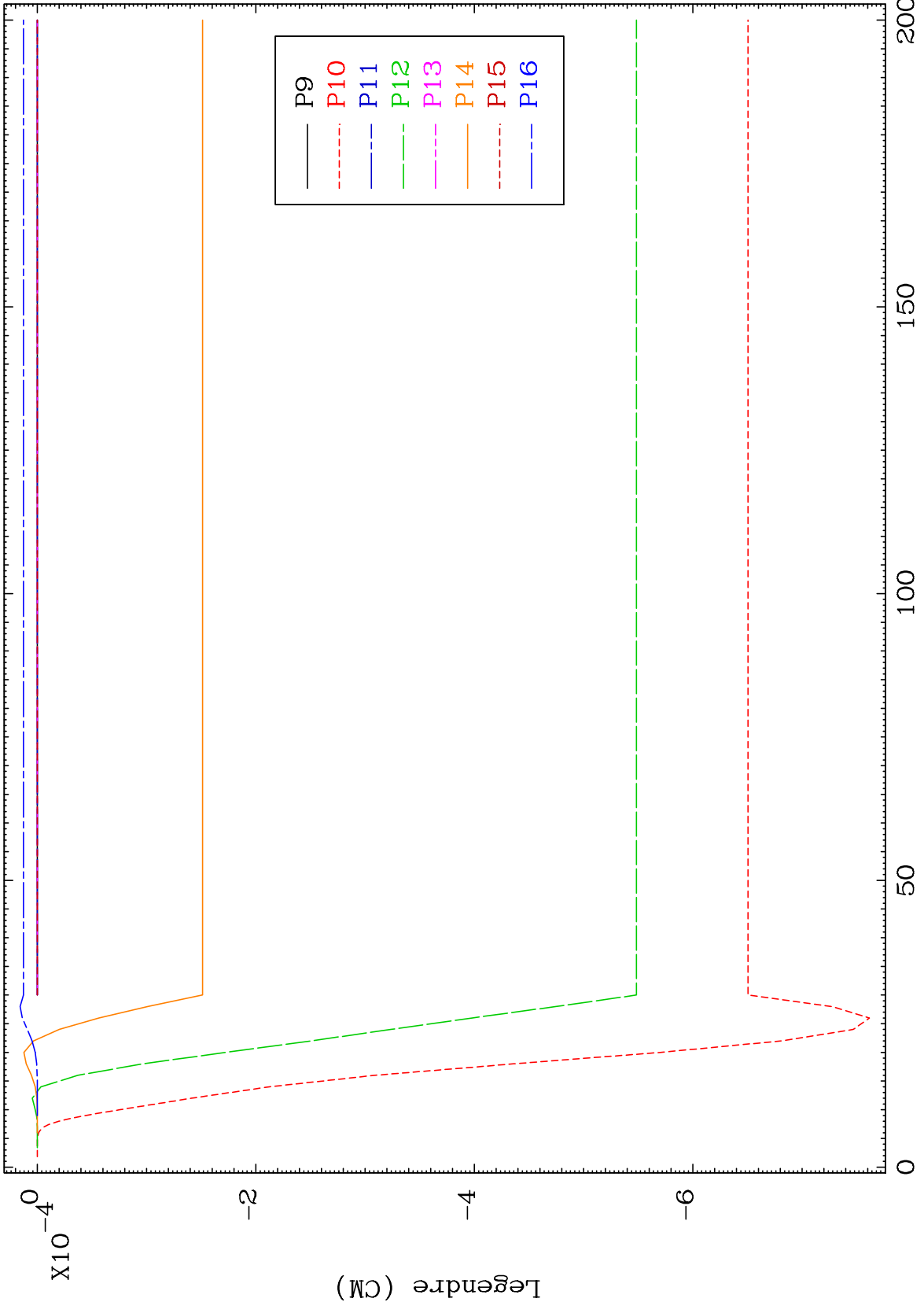


36

Incident Energy (MeV)

53-I -120

MAT 5304 MT= 56 (n,n') Level Legendre Coefficients 53-I -120

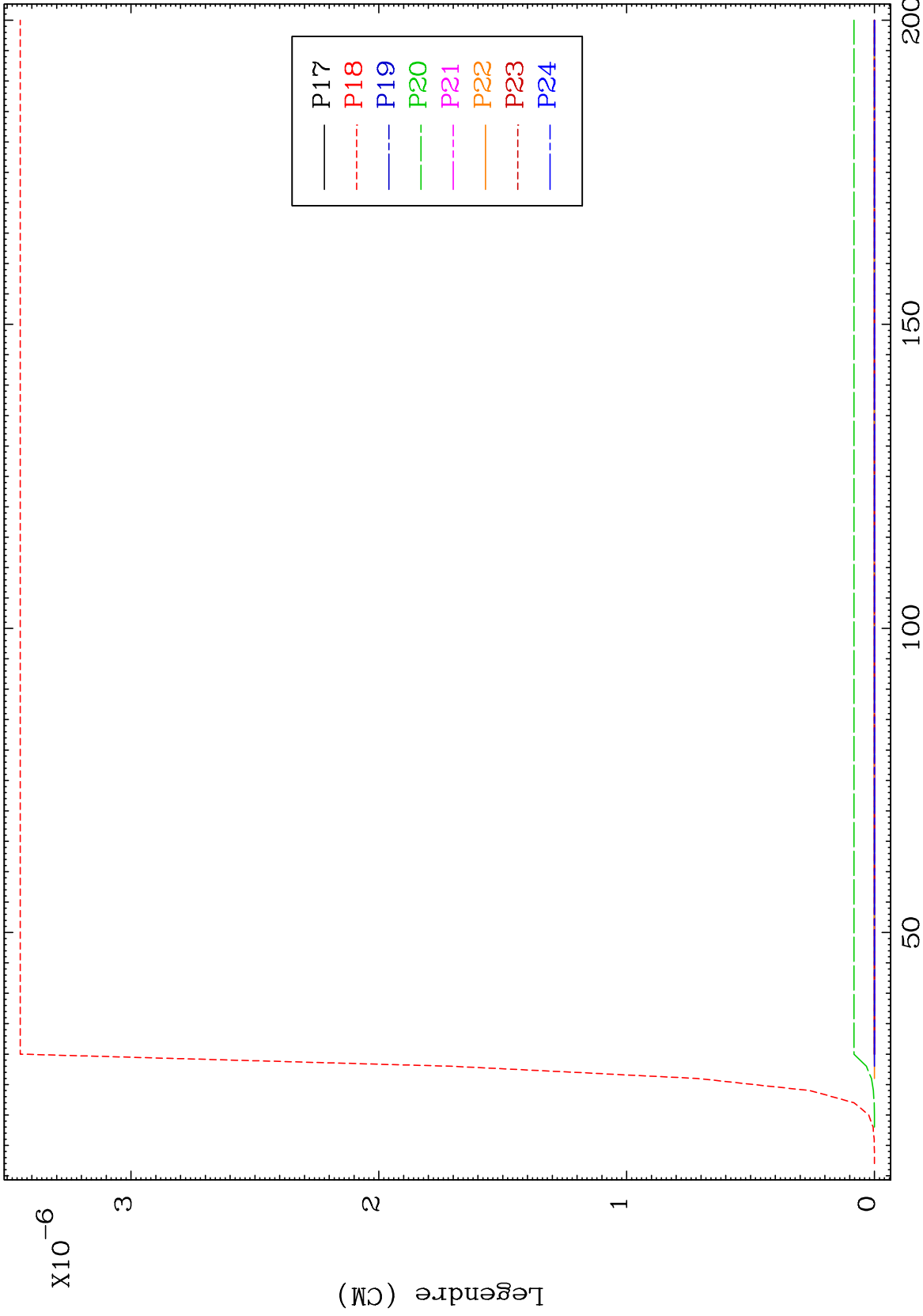


37 53-I -120

MAT 5304

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

53-I -120



38

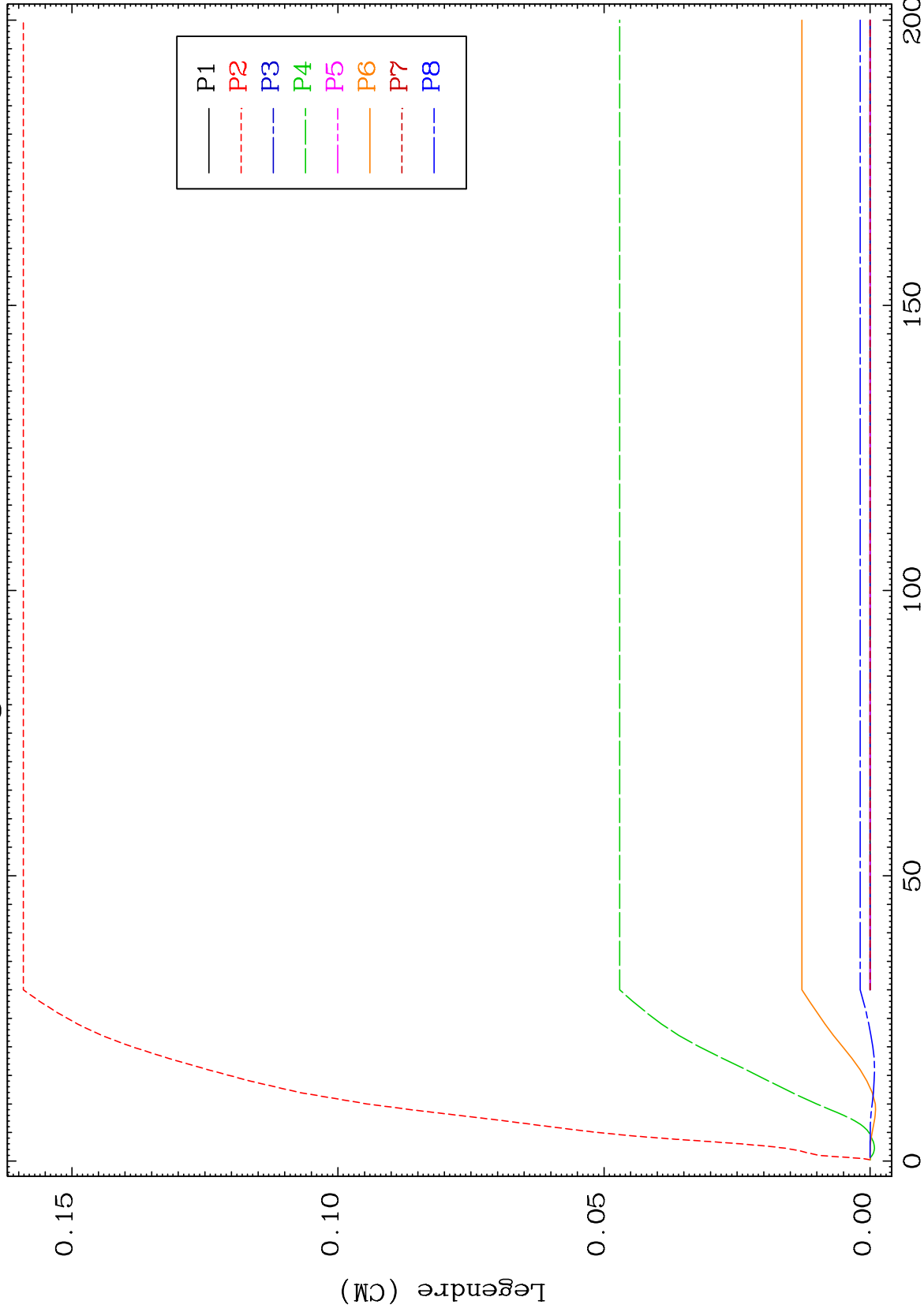
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



39

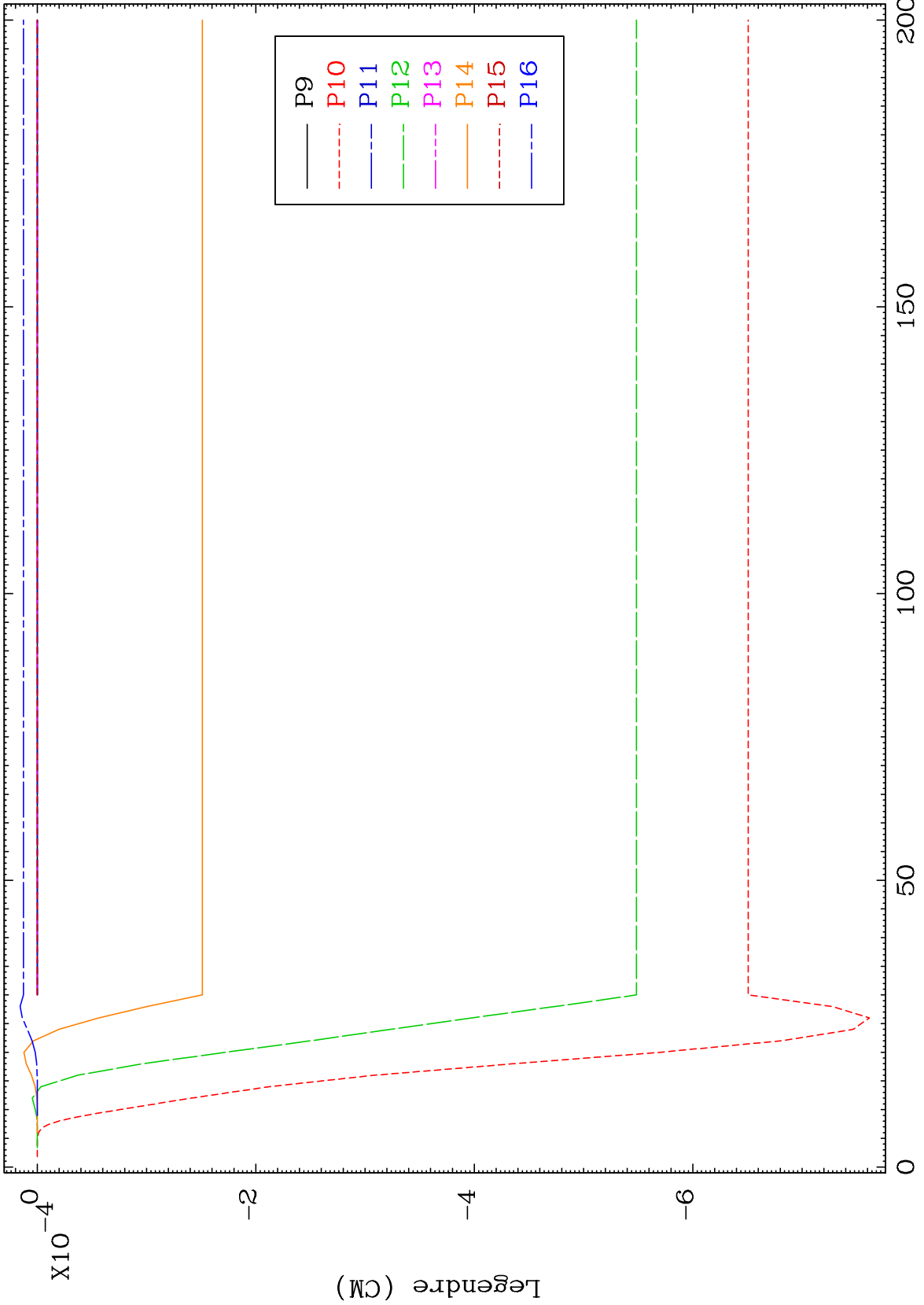
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



40

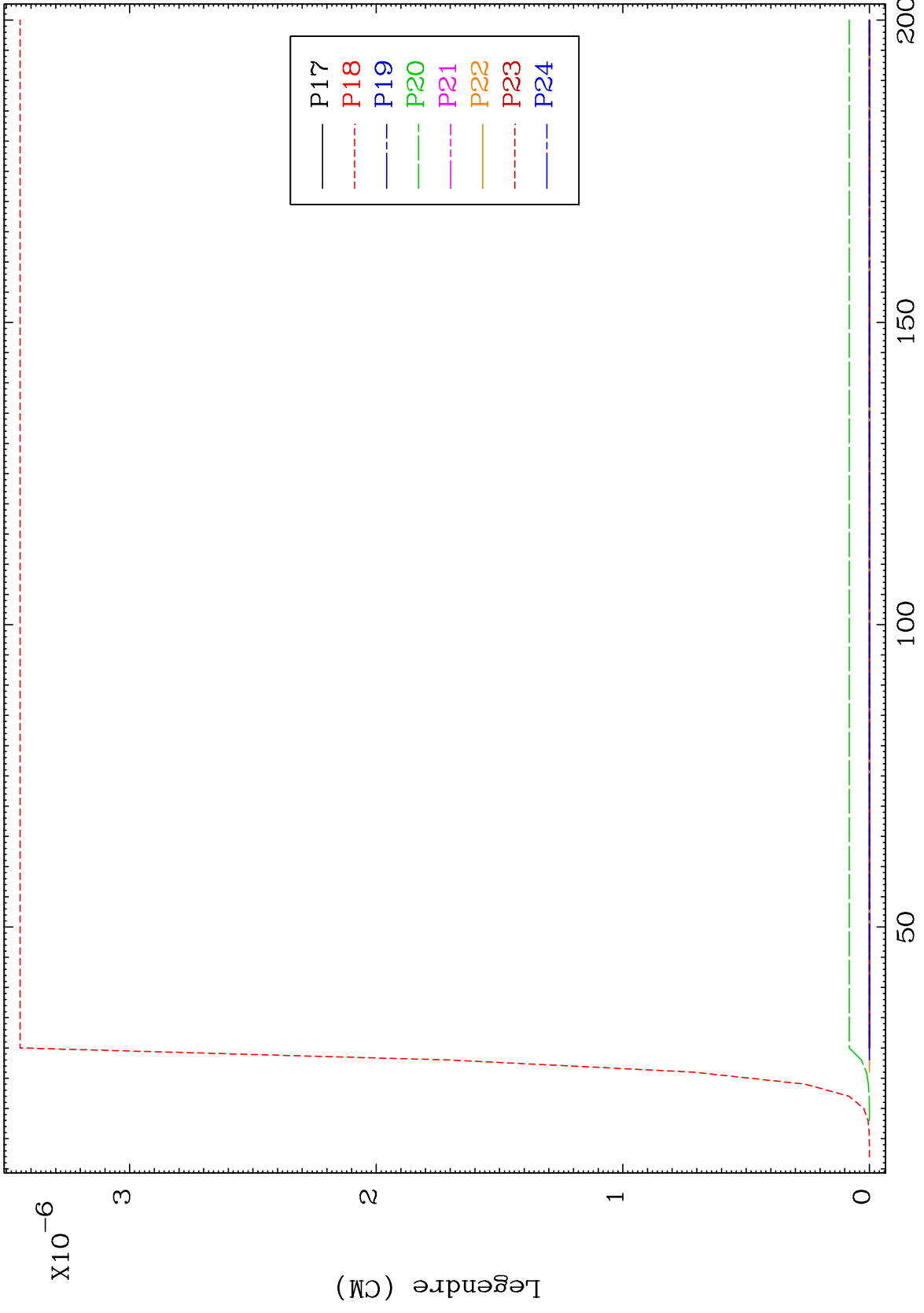
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



41

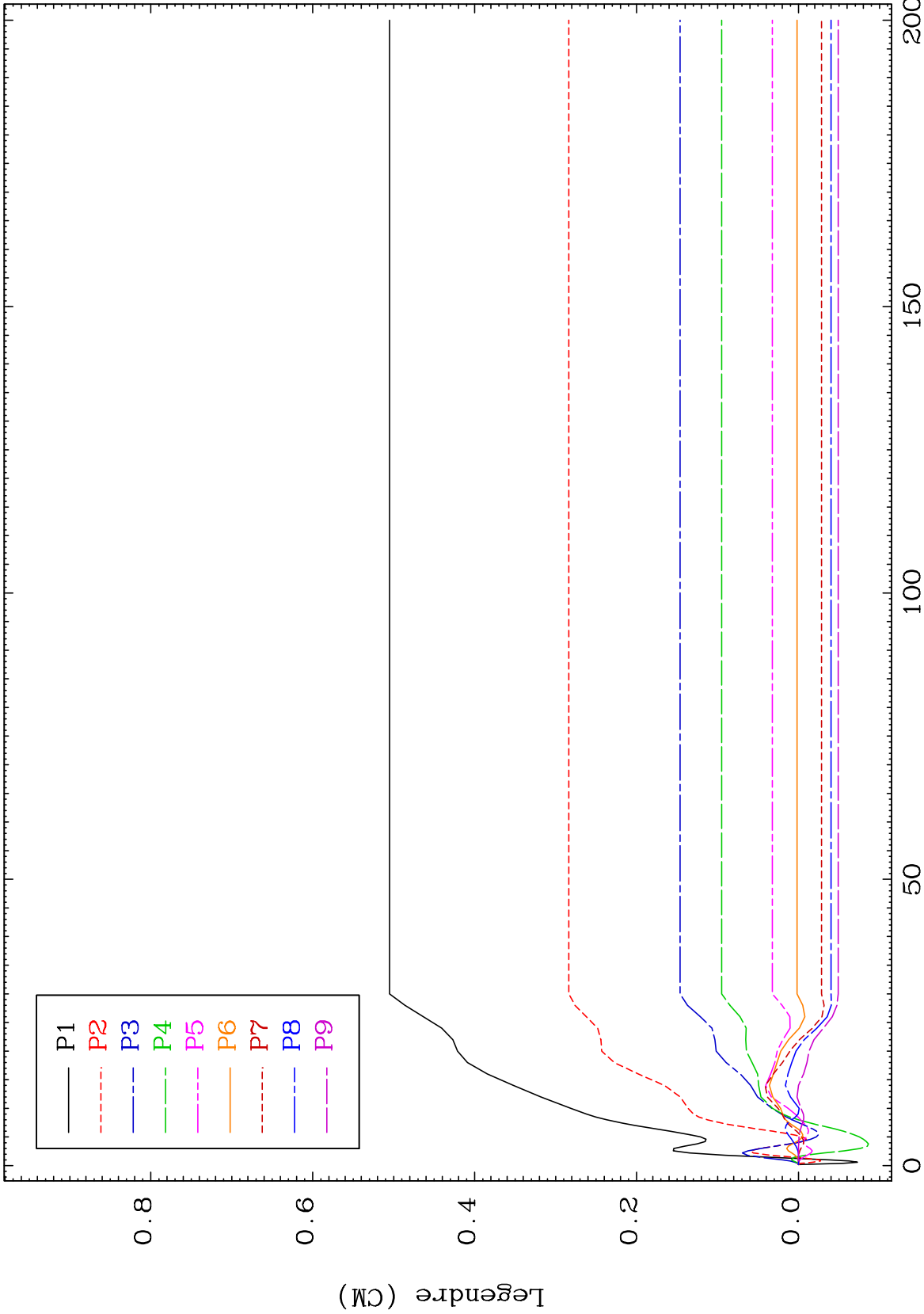
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120

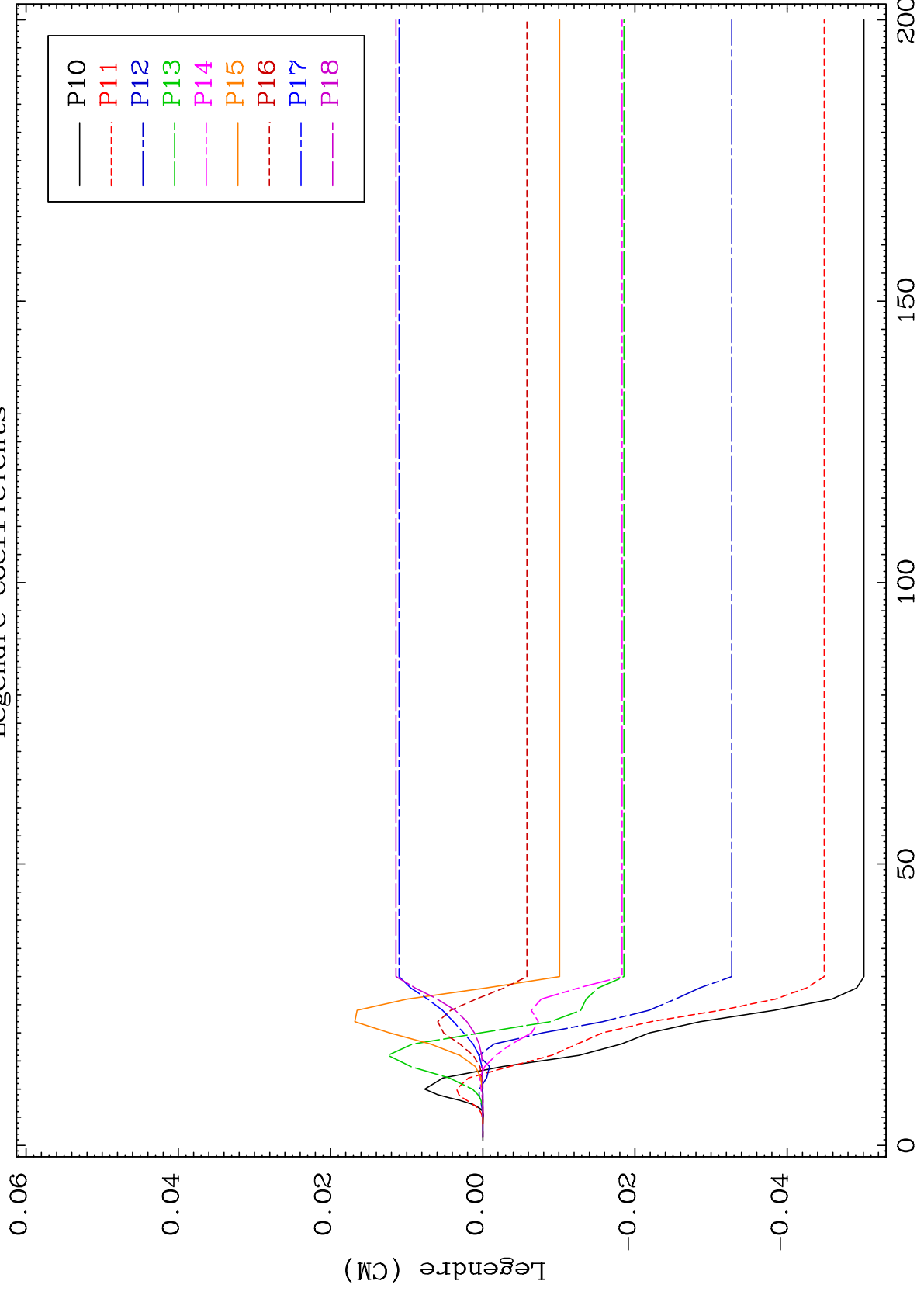


42

Incident Energy (MeV)

53-I -120

MAT 5304 MT= 58 (n,n') Level Legendre Coefficients 53-I -120

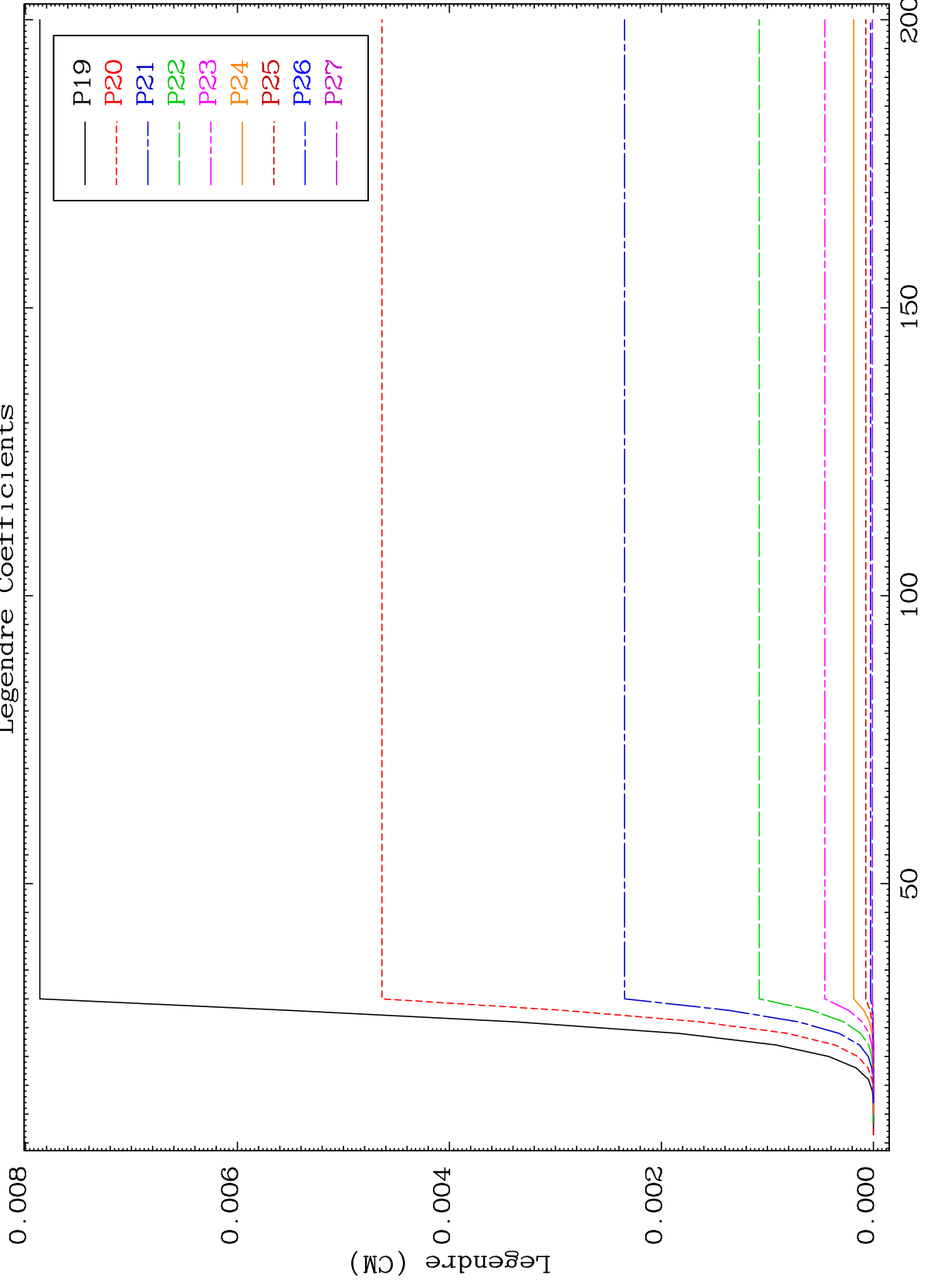


53-I -120

Incident Energy (MeV)

43

MAT 5304 MT= 58 (n,n') Level Legendre Coefficients 53-I -120

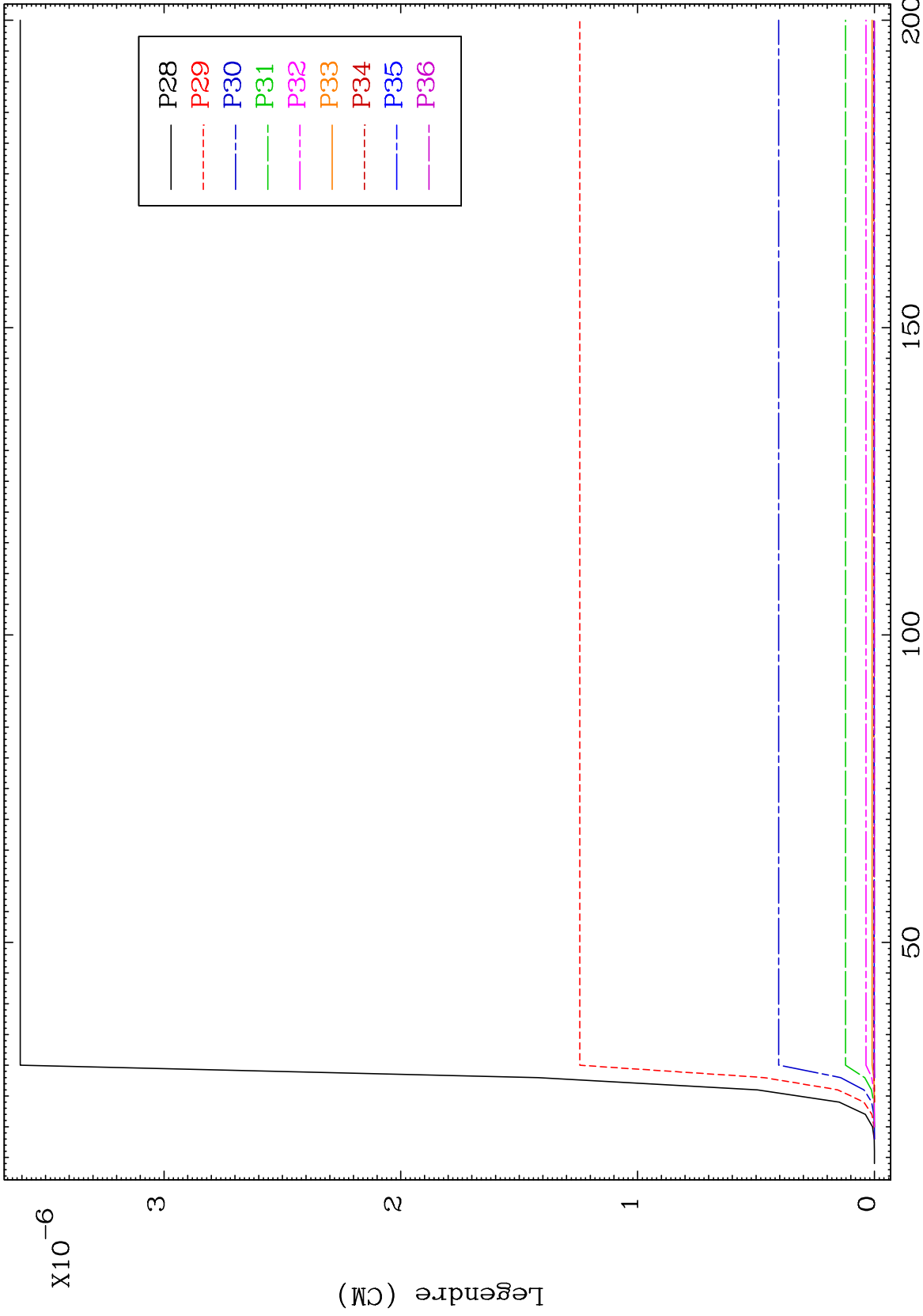


44 53-I -120

MAT 5304

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

53-I -120



45

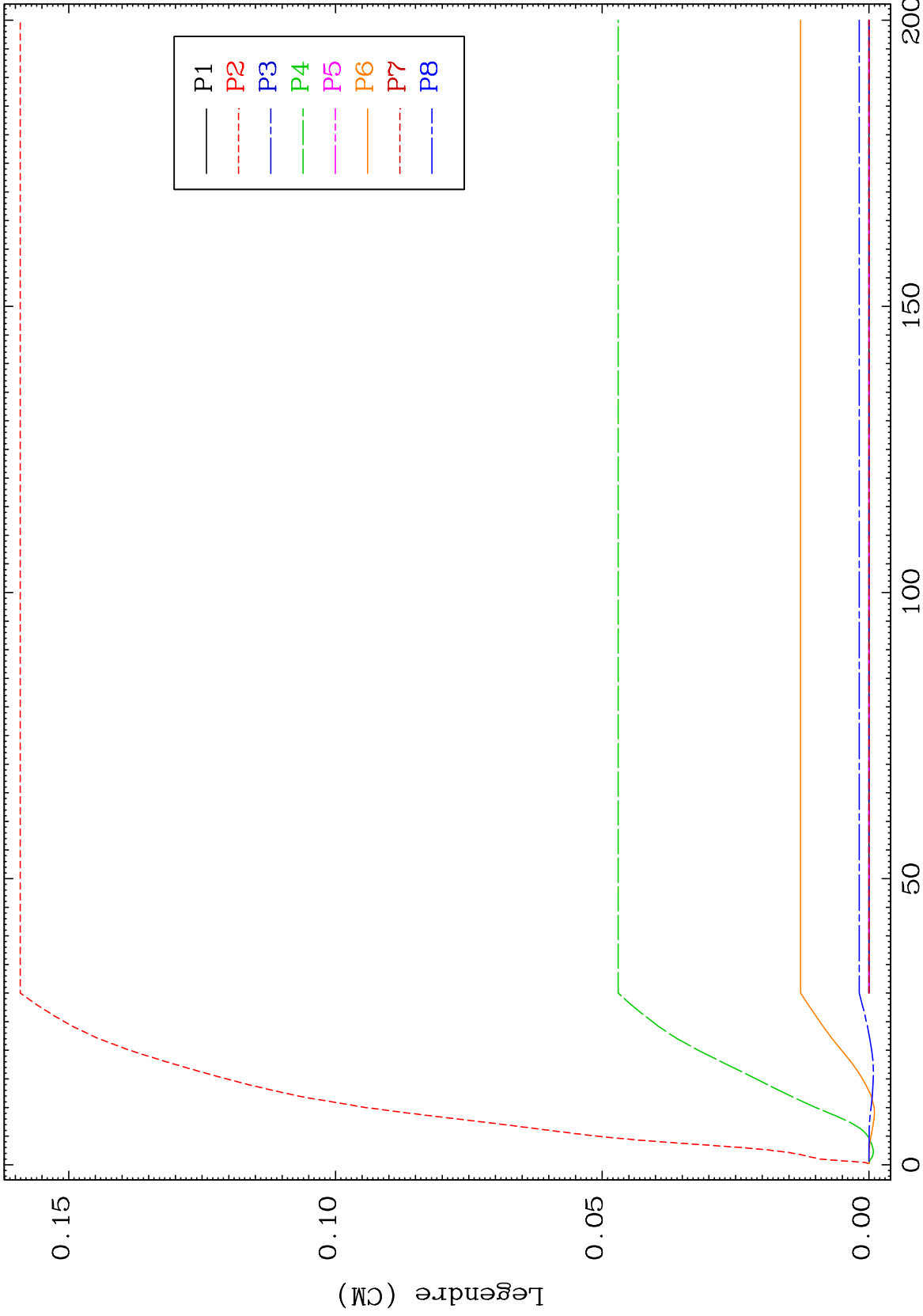
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



46

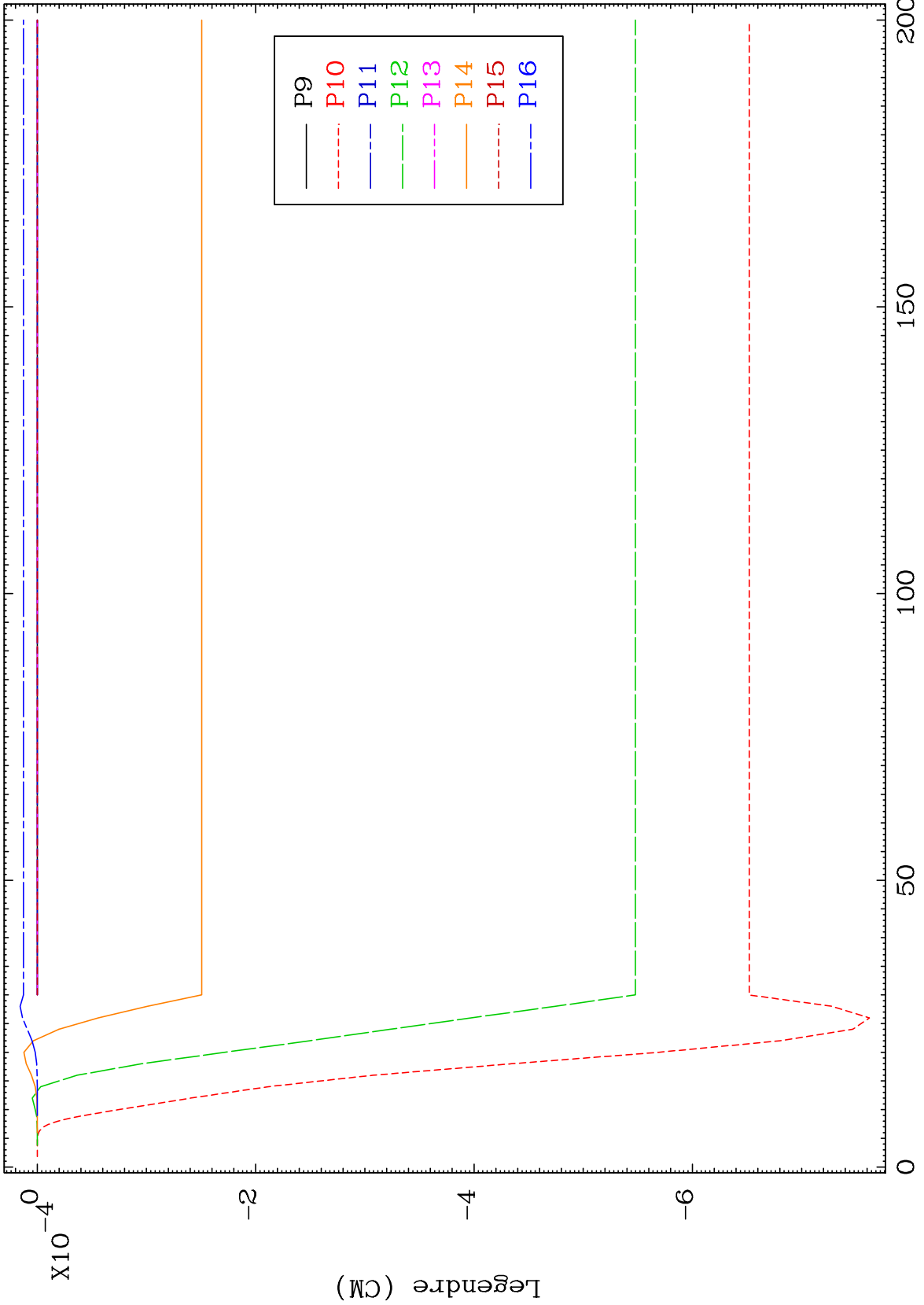
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



47

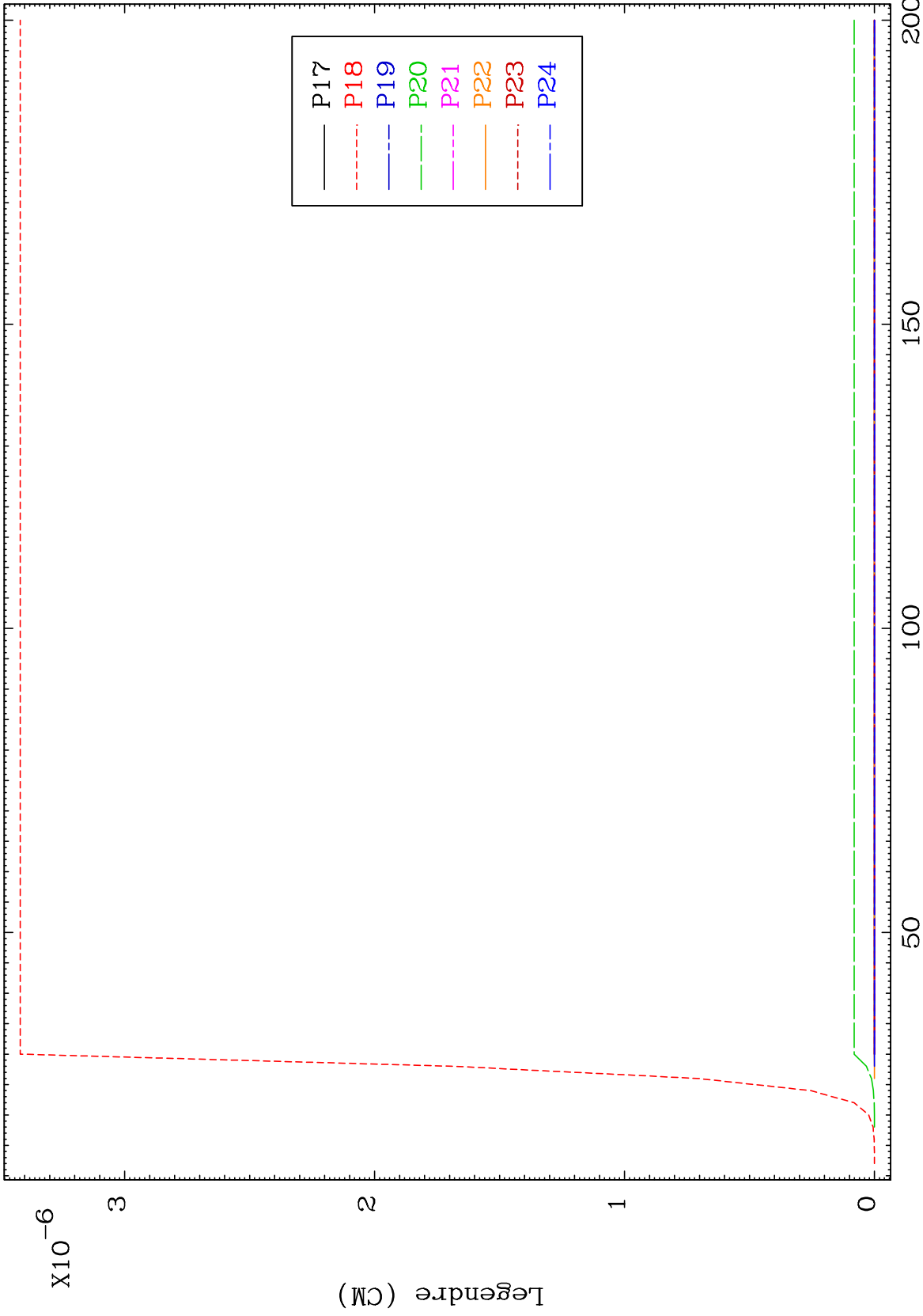
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



48

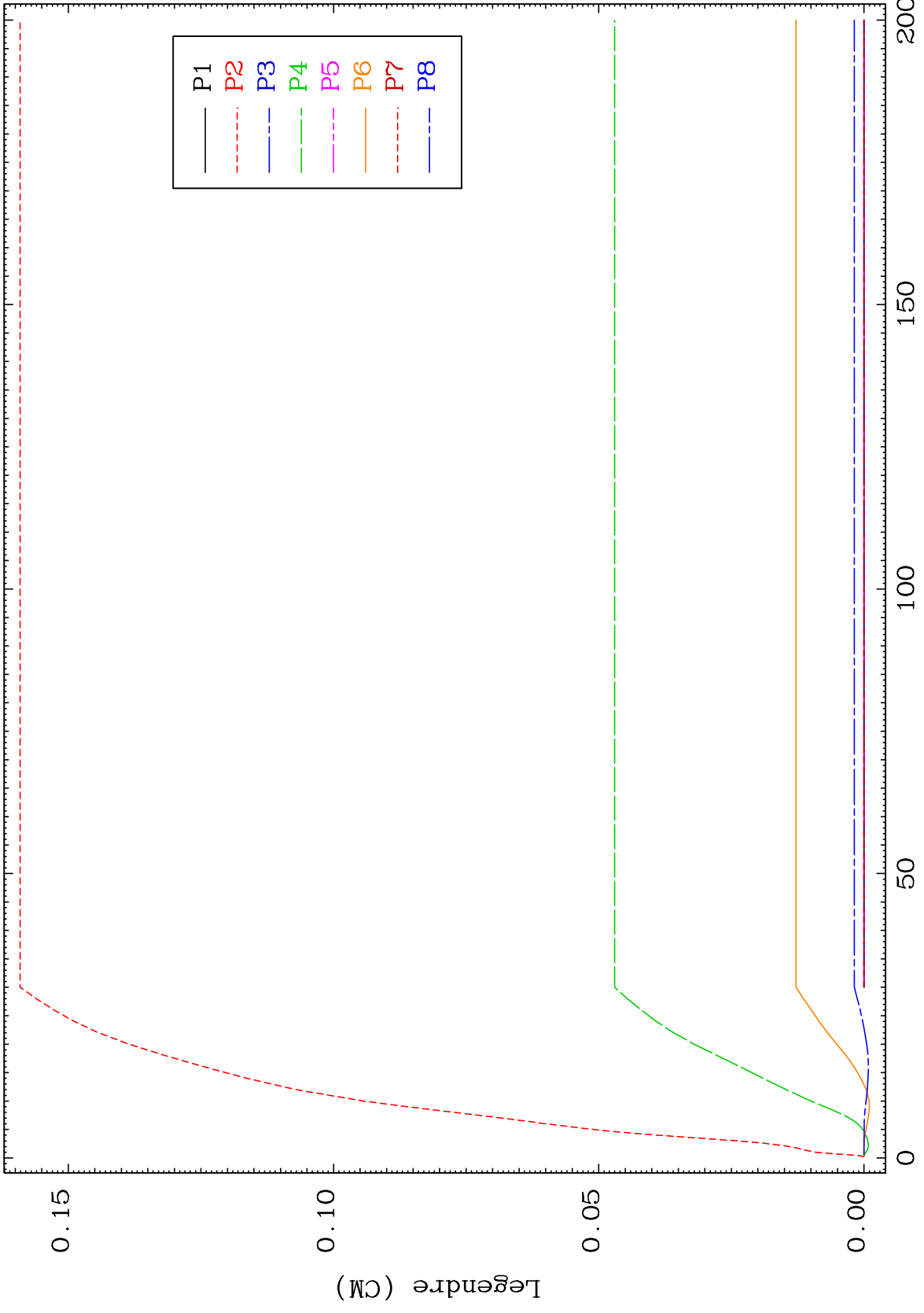
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



49

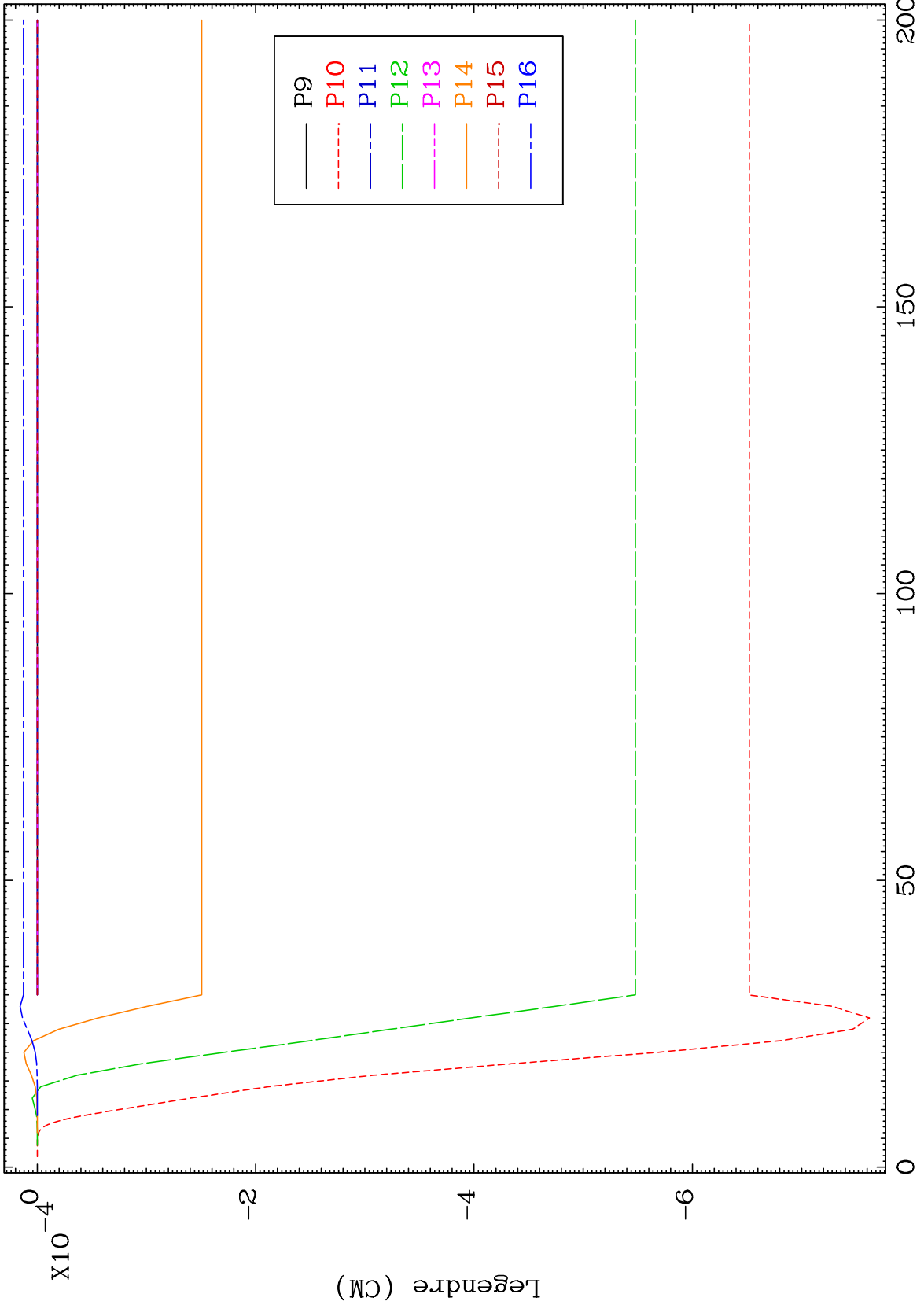
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



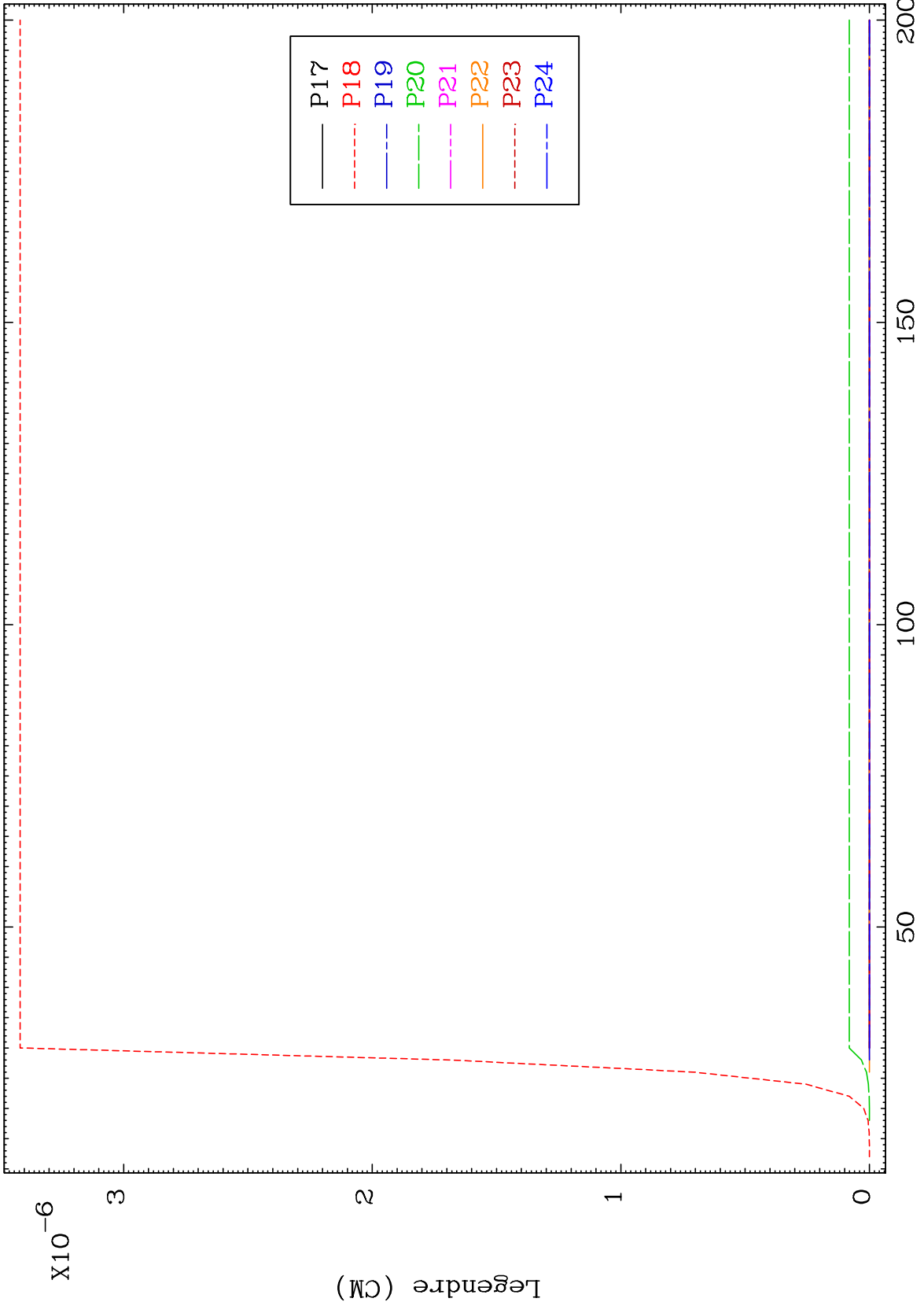
50

Incident Energy (MeV)

100

53-I -120

MAT 5304 MT= 60 (n,n') Level Legendre Coefficients 53-I -120

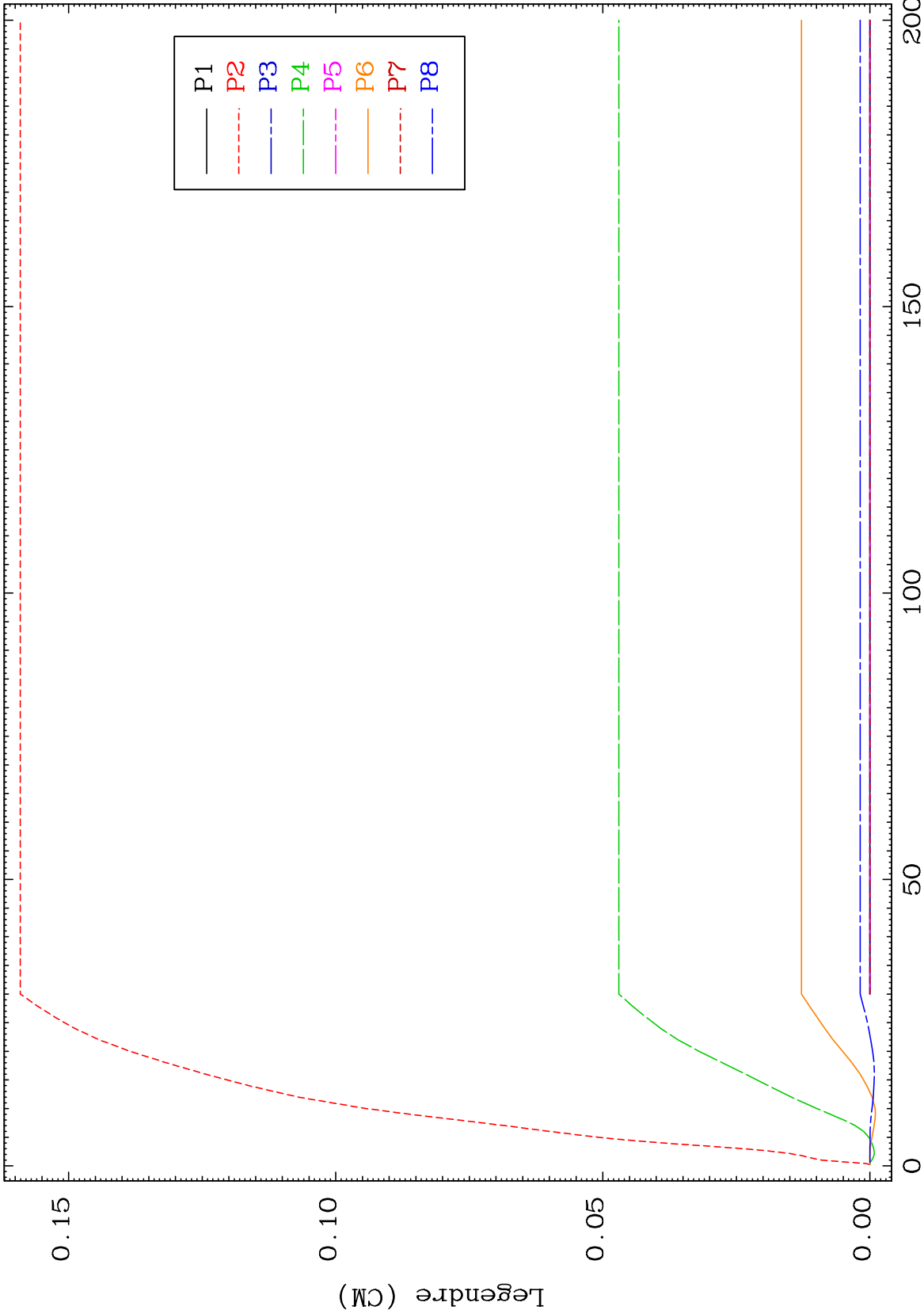


51 53-I -120

MAT 5304

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

53-I -120

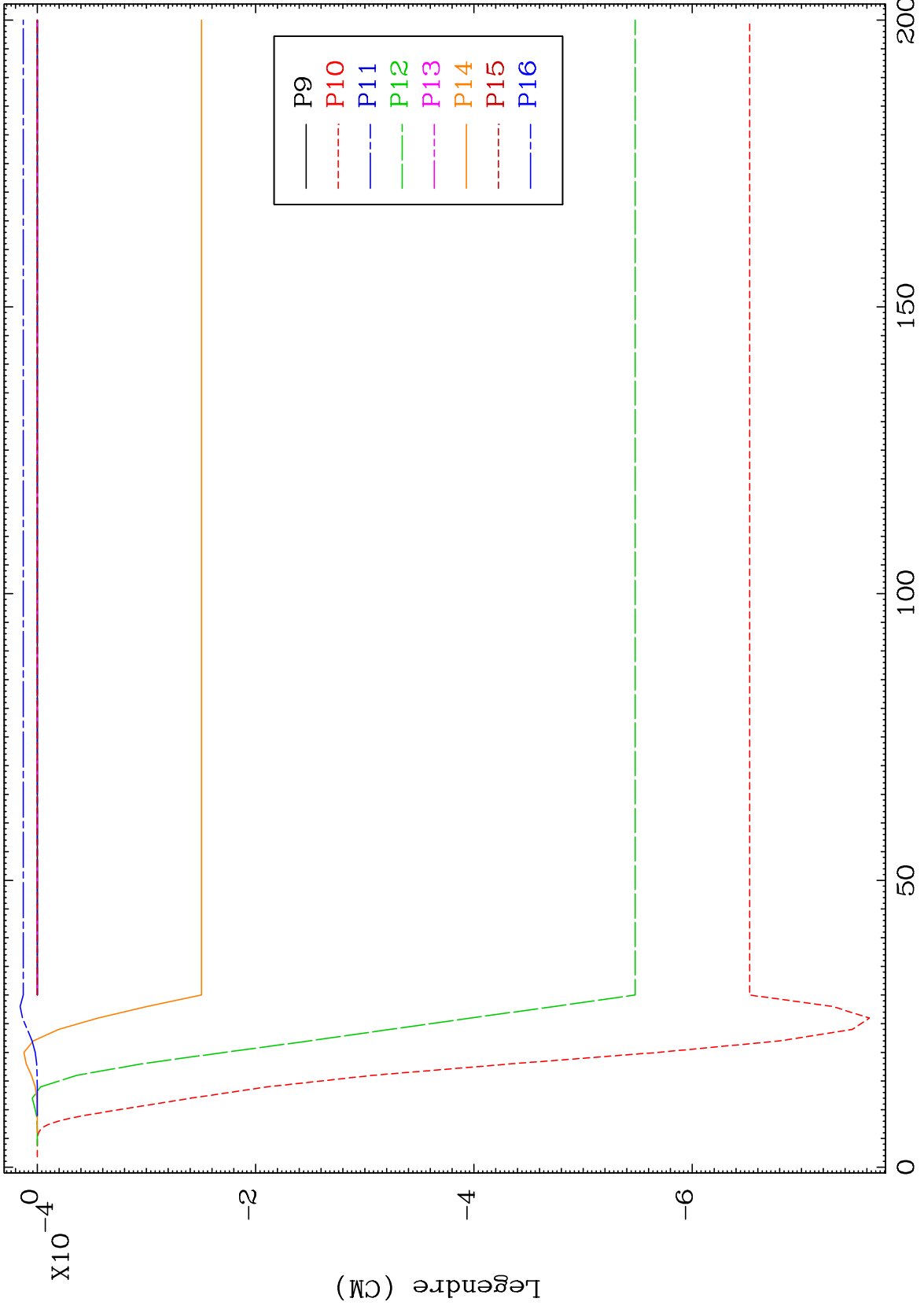


52

Incident Energy (MeV)

53-I -120

MAT 5304 MT= 61 (n,n') Level Legendre Coefficients 53-I -120

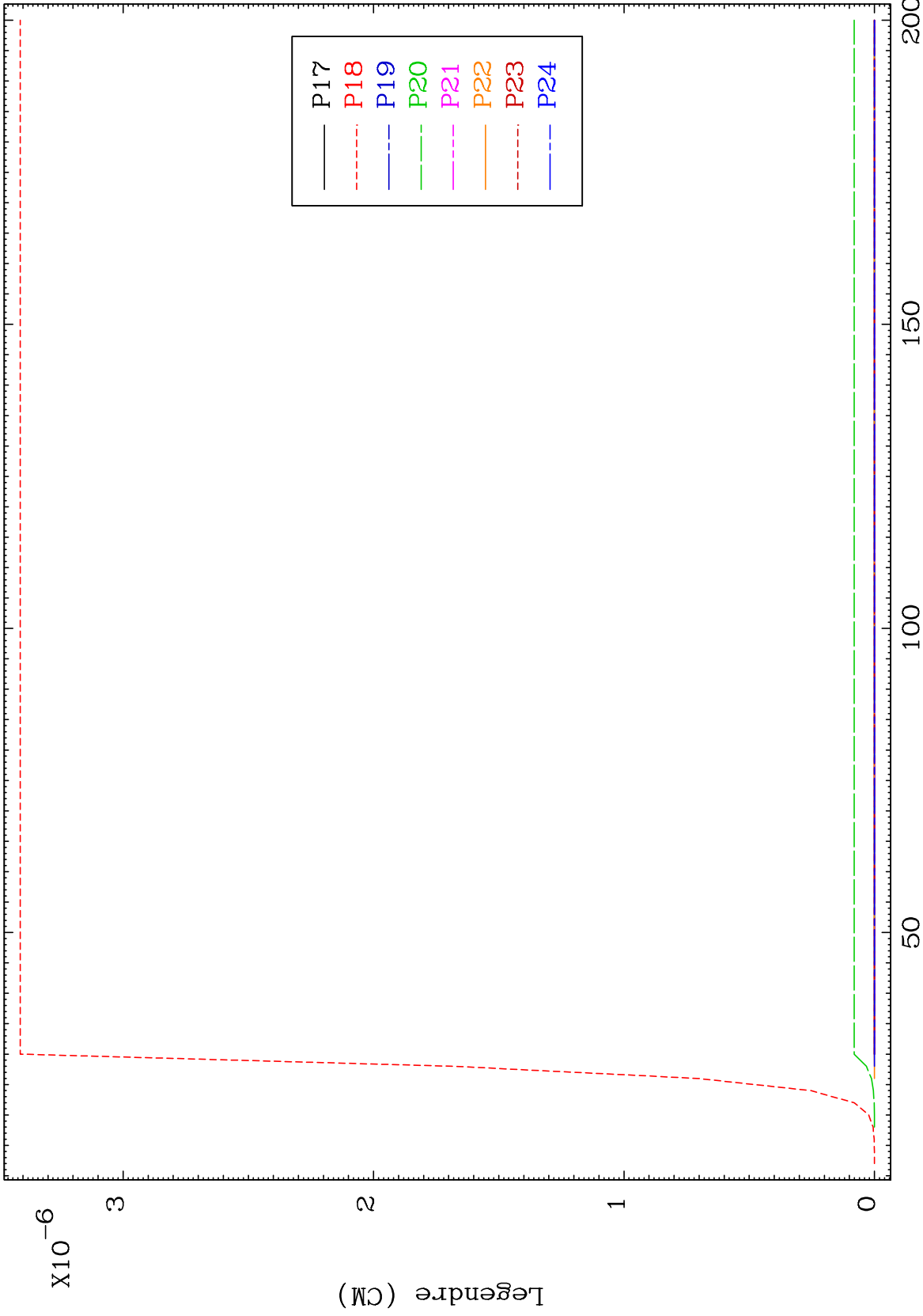


53 Incident Energy (MeV) 53-I -120

MAT 5304

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

53-I -120



54

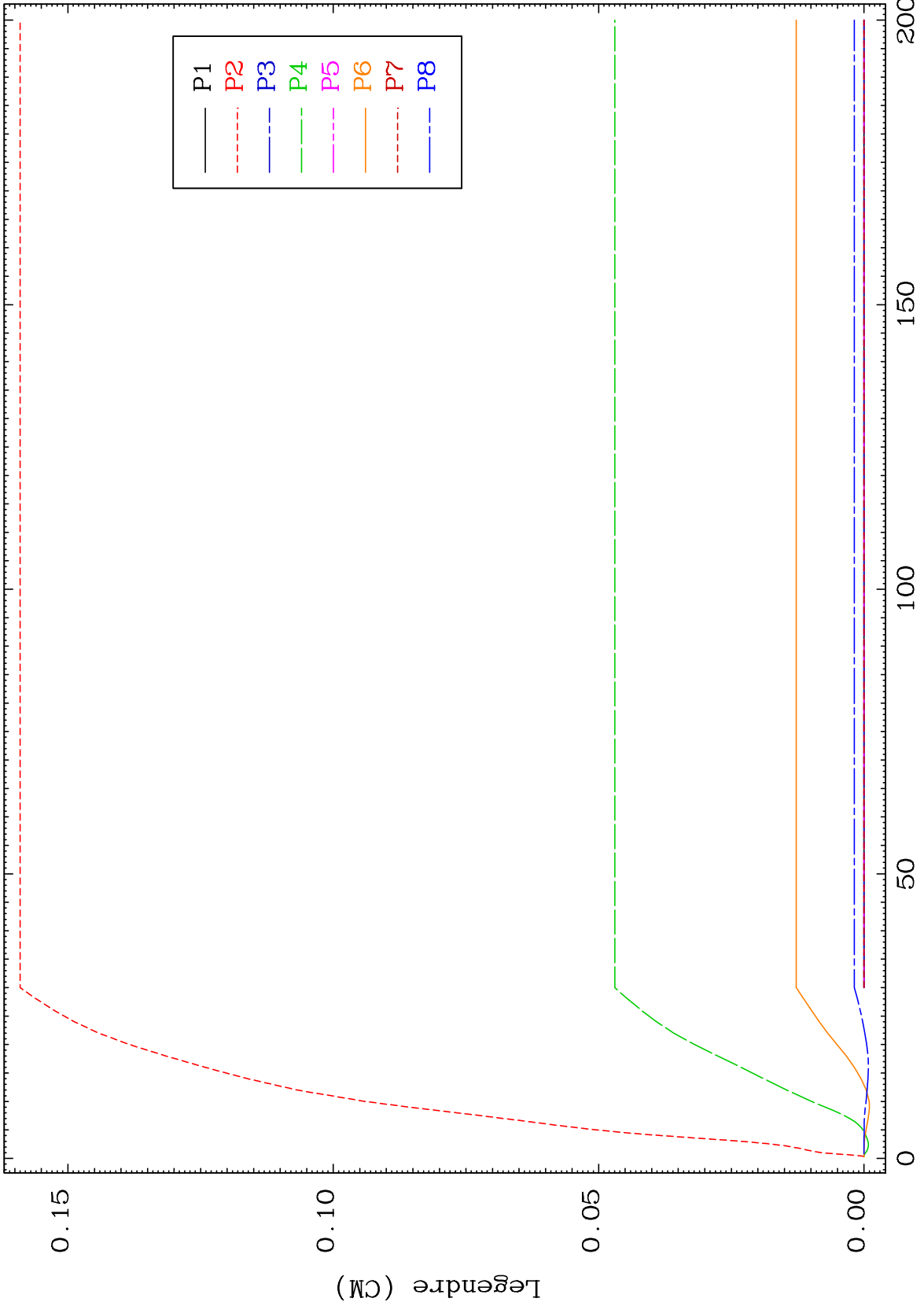
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



55

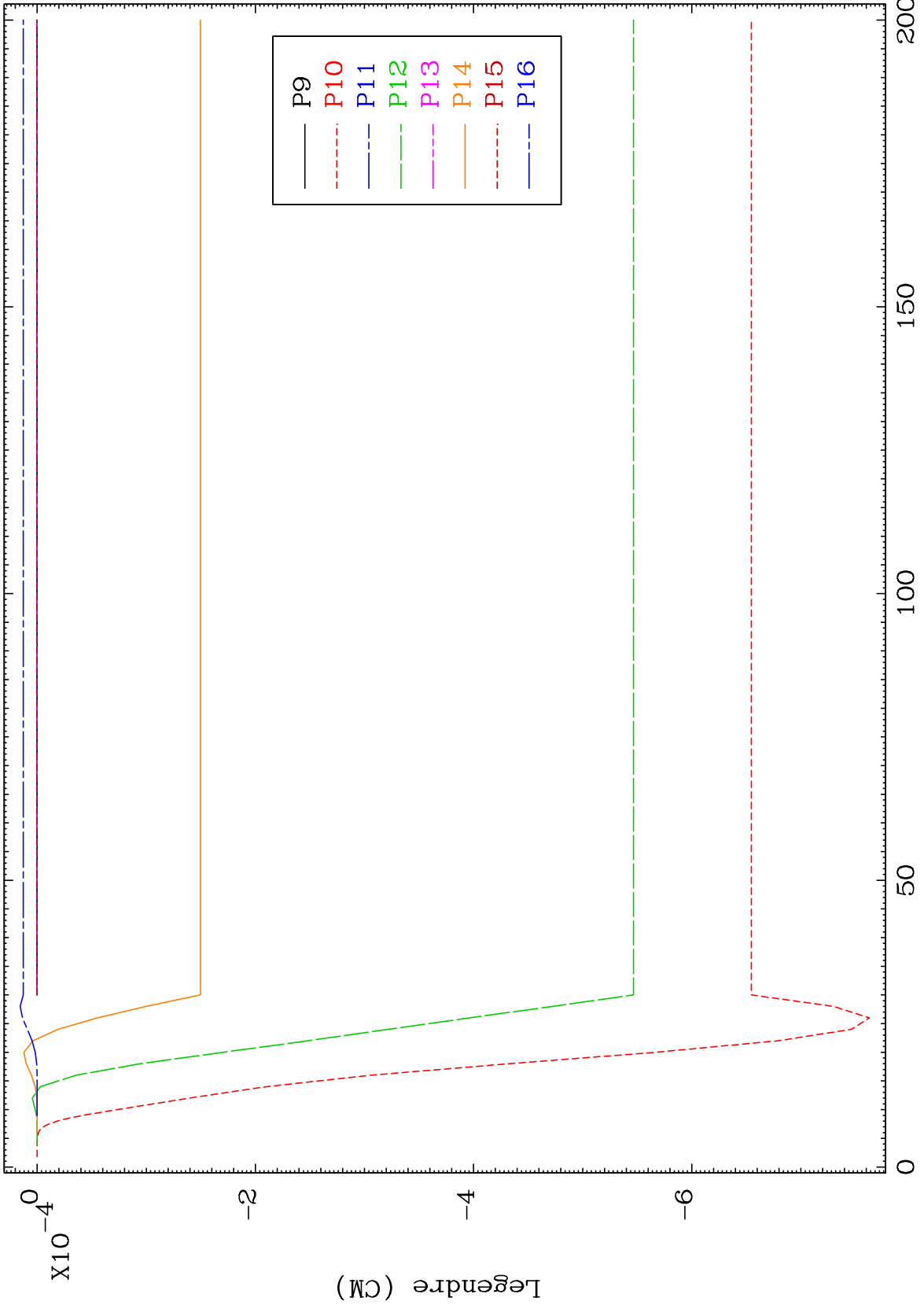
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



56

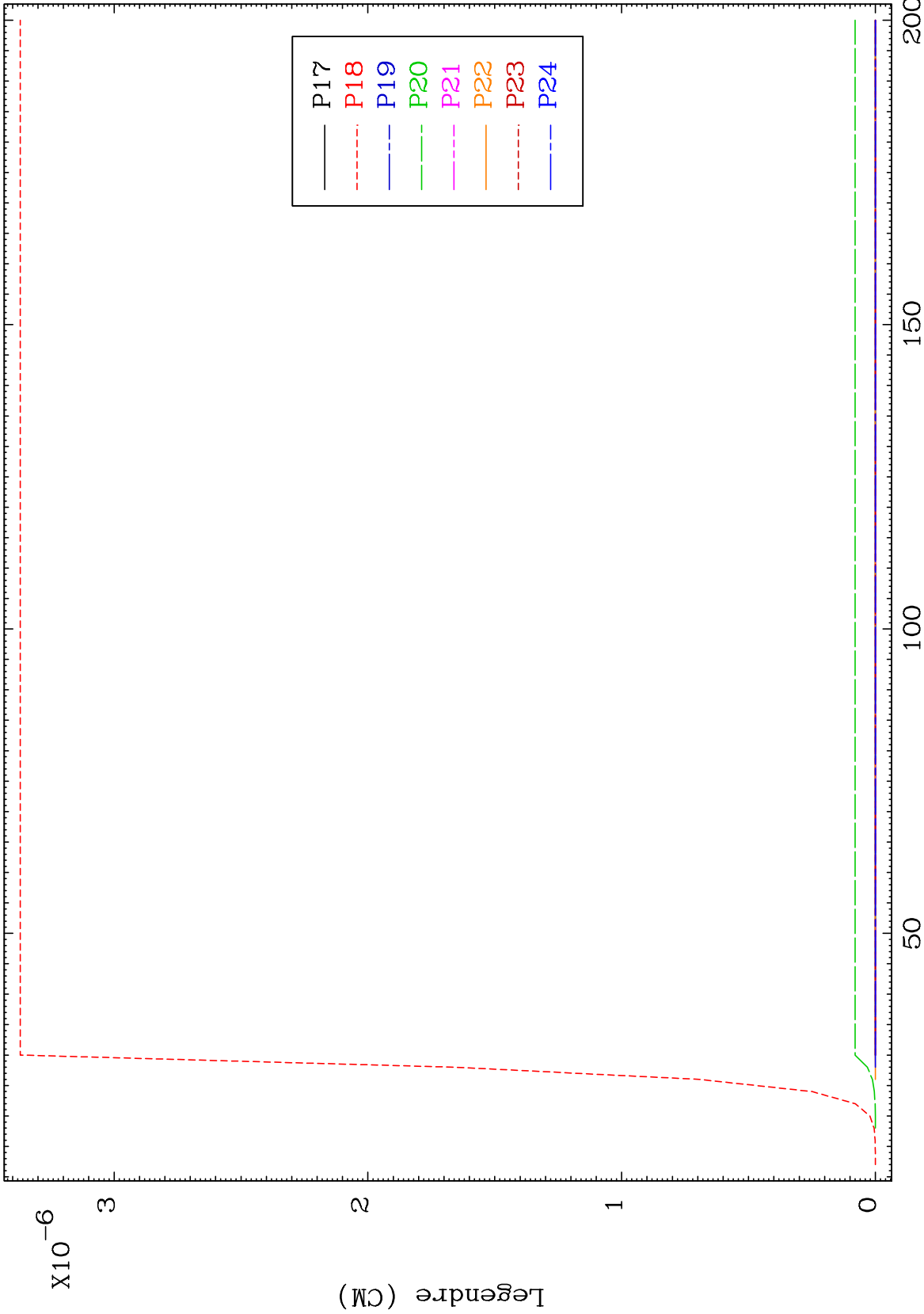
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



57

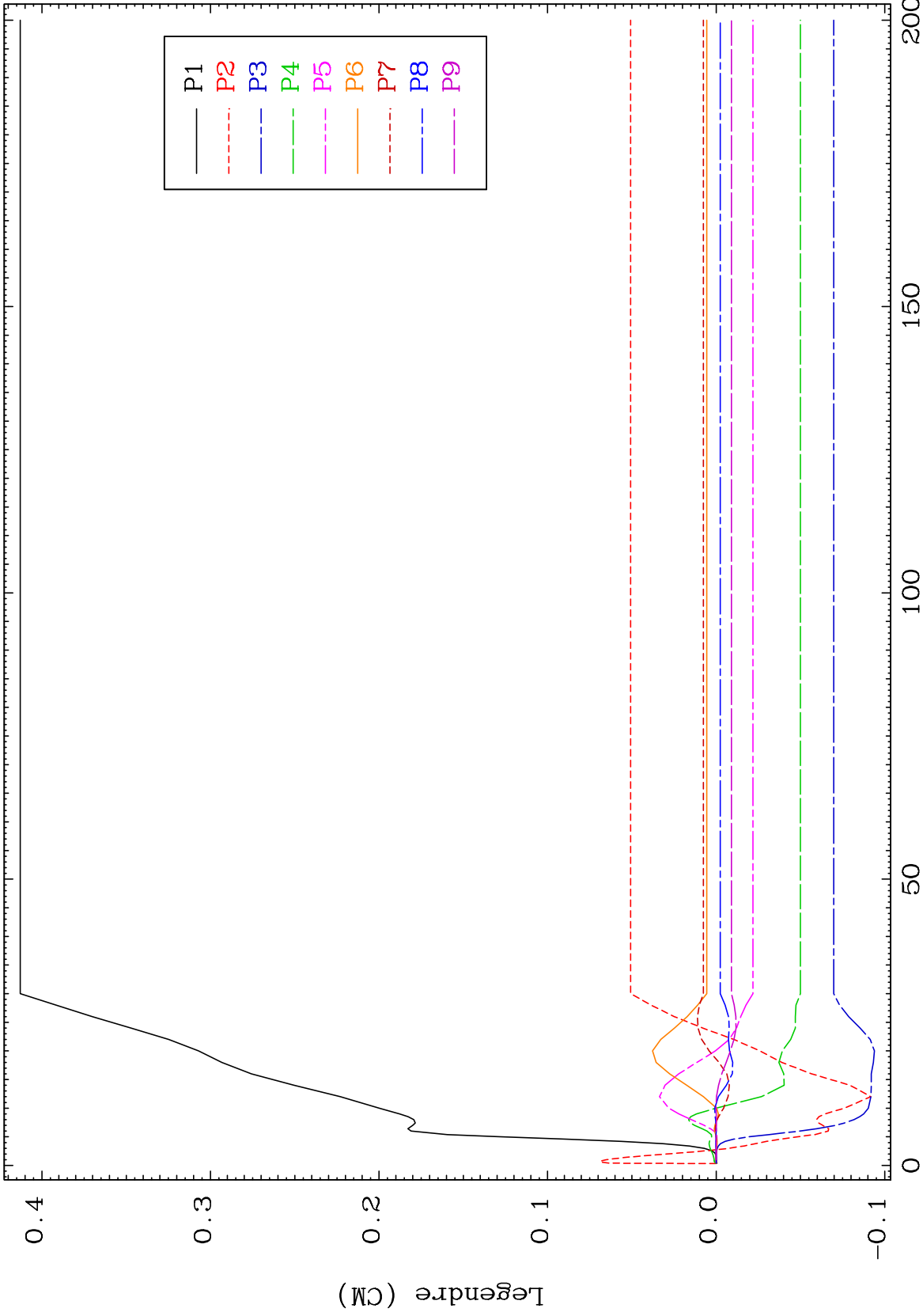
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



58

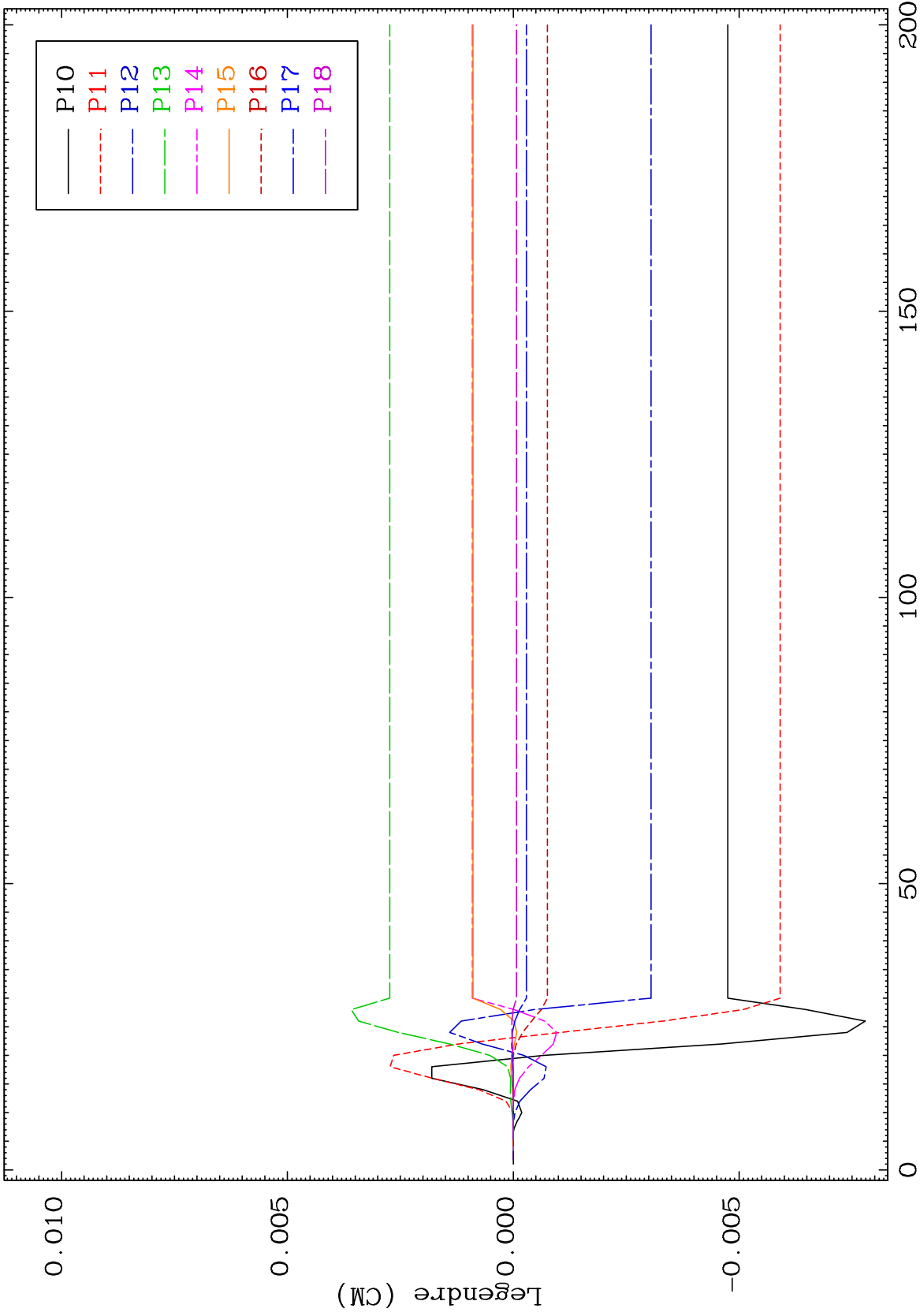
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



59

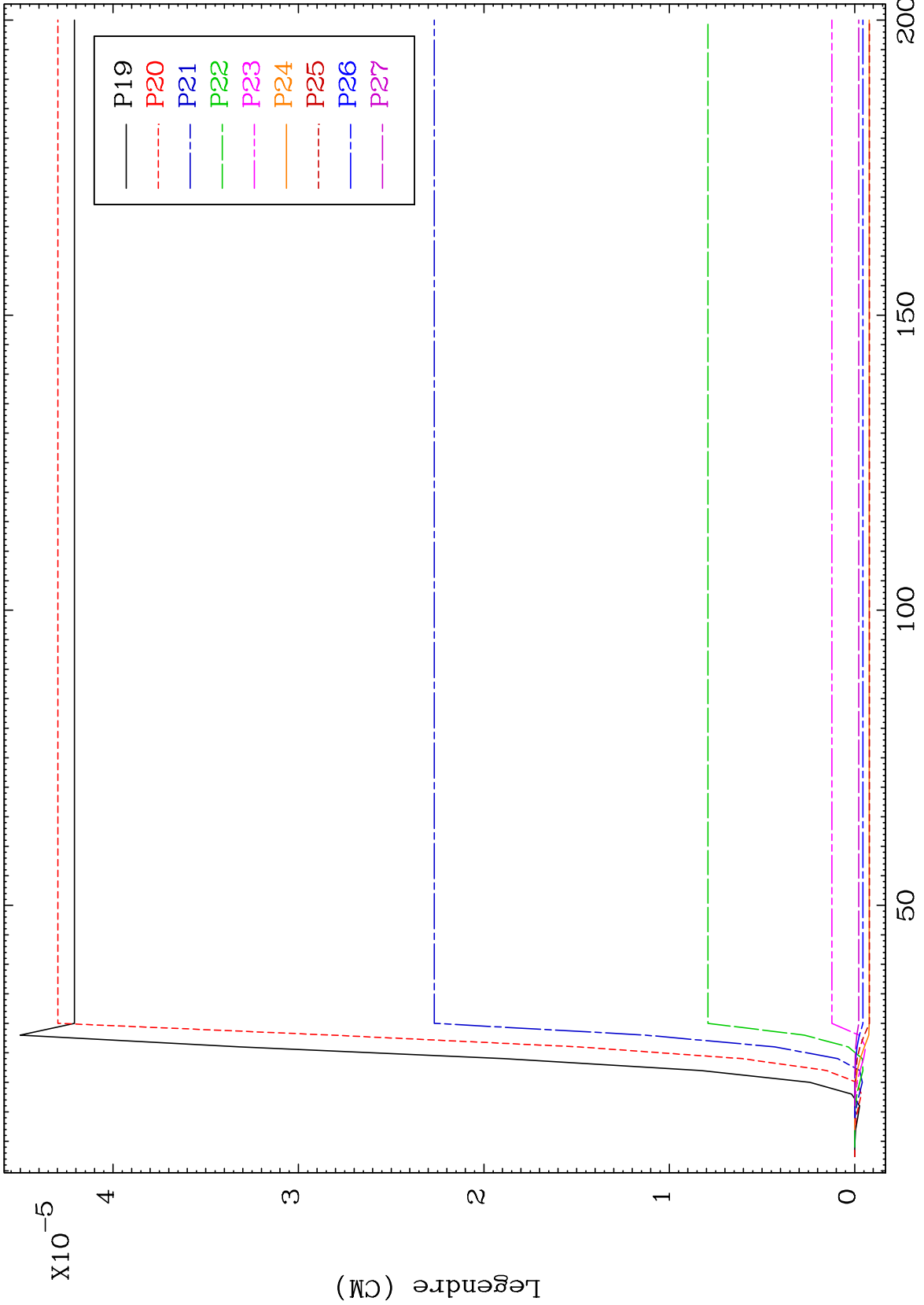
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120

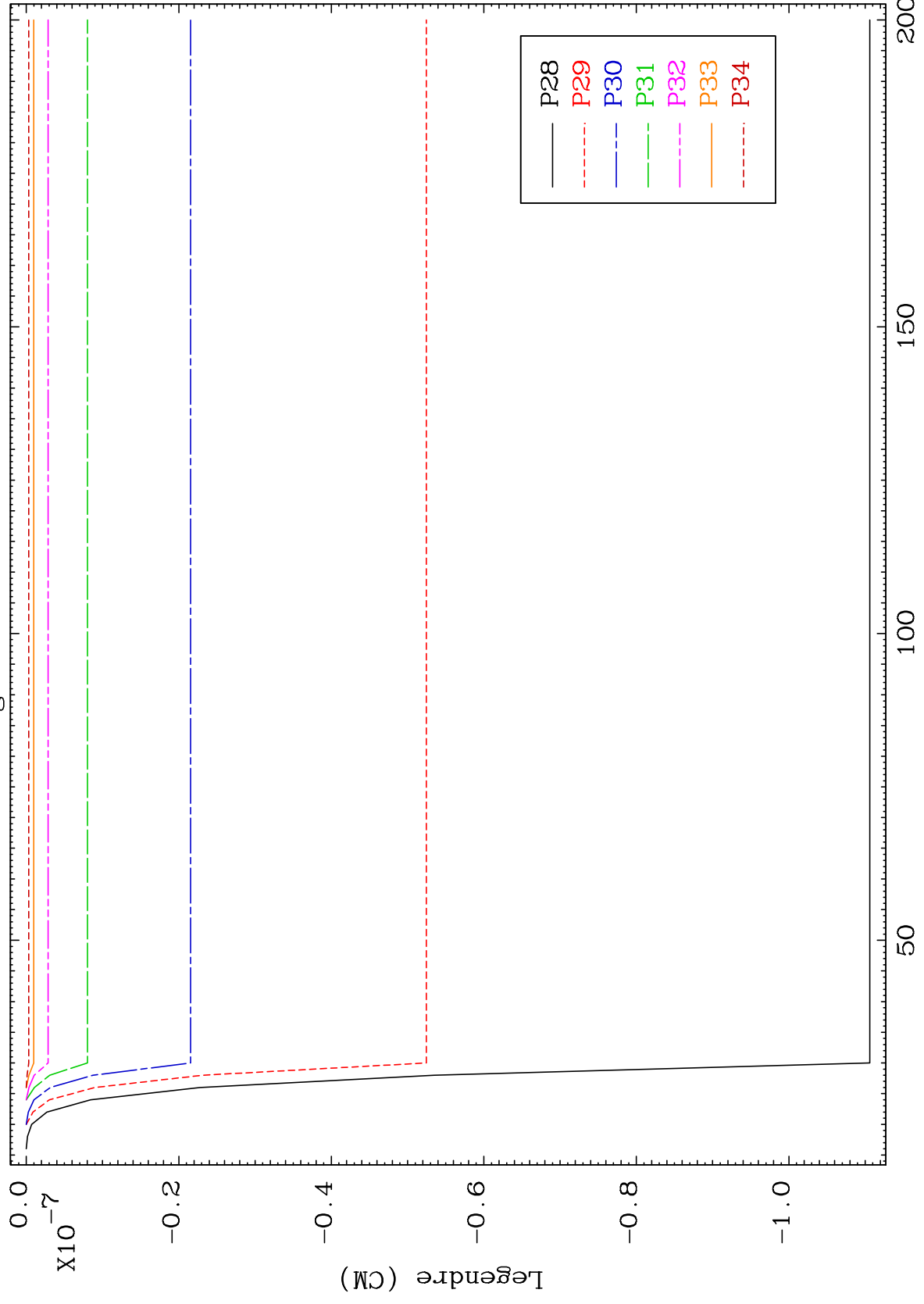


60

Incident Energy (MeV)

53-I -120

MAT 5304 MT= 63 (n,n') Level Legendre Coefficients 53-I -120

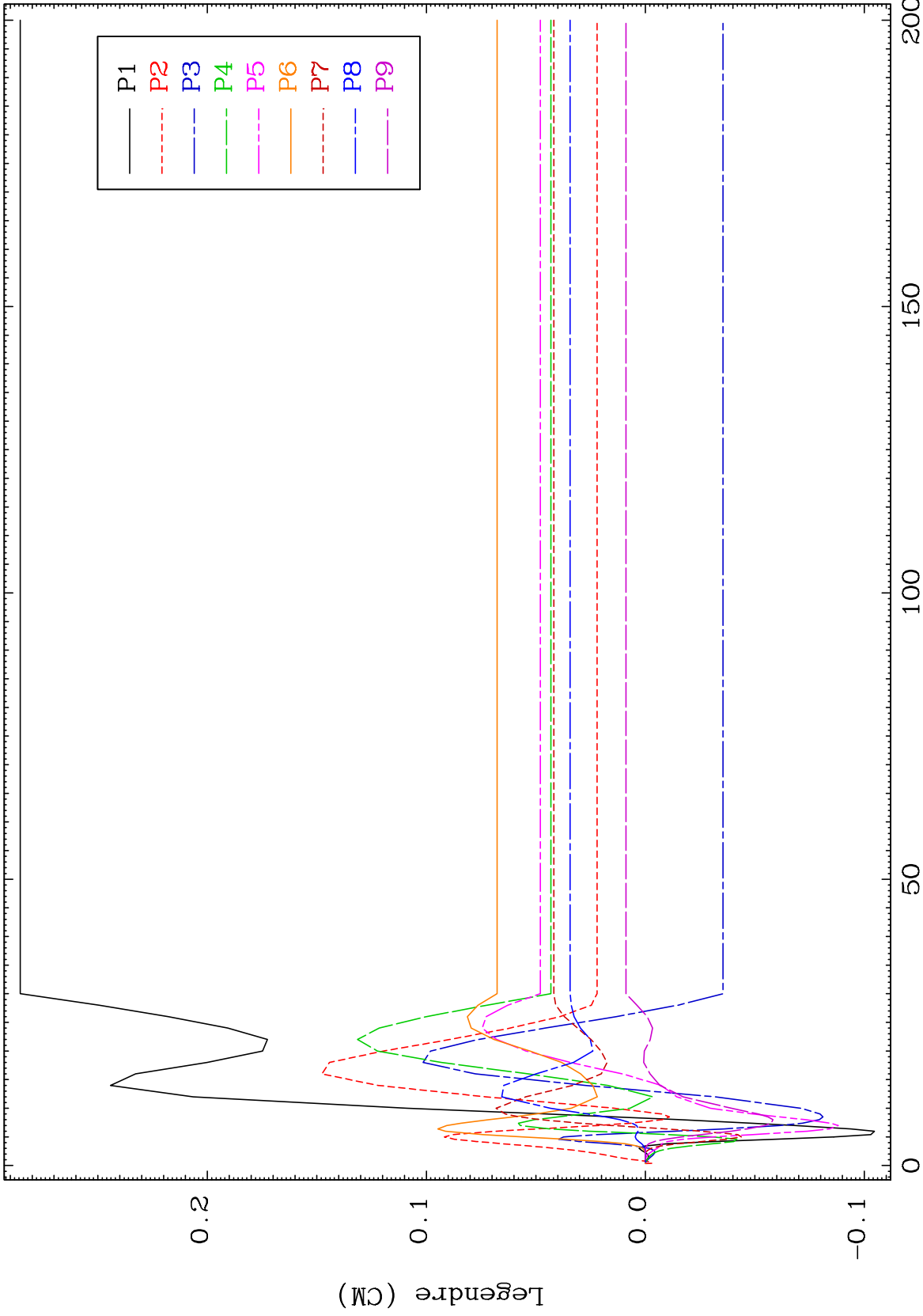


61 53-I -120

MAT 5304

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

53-I -120



62

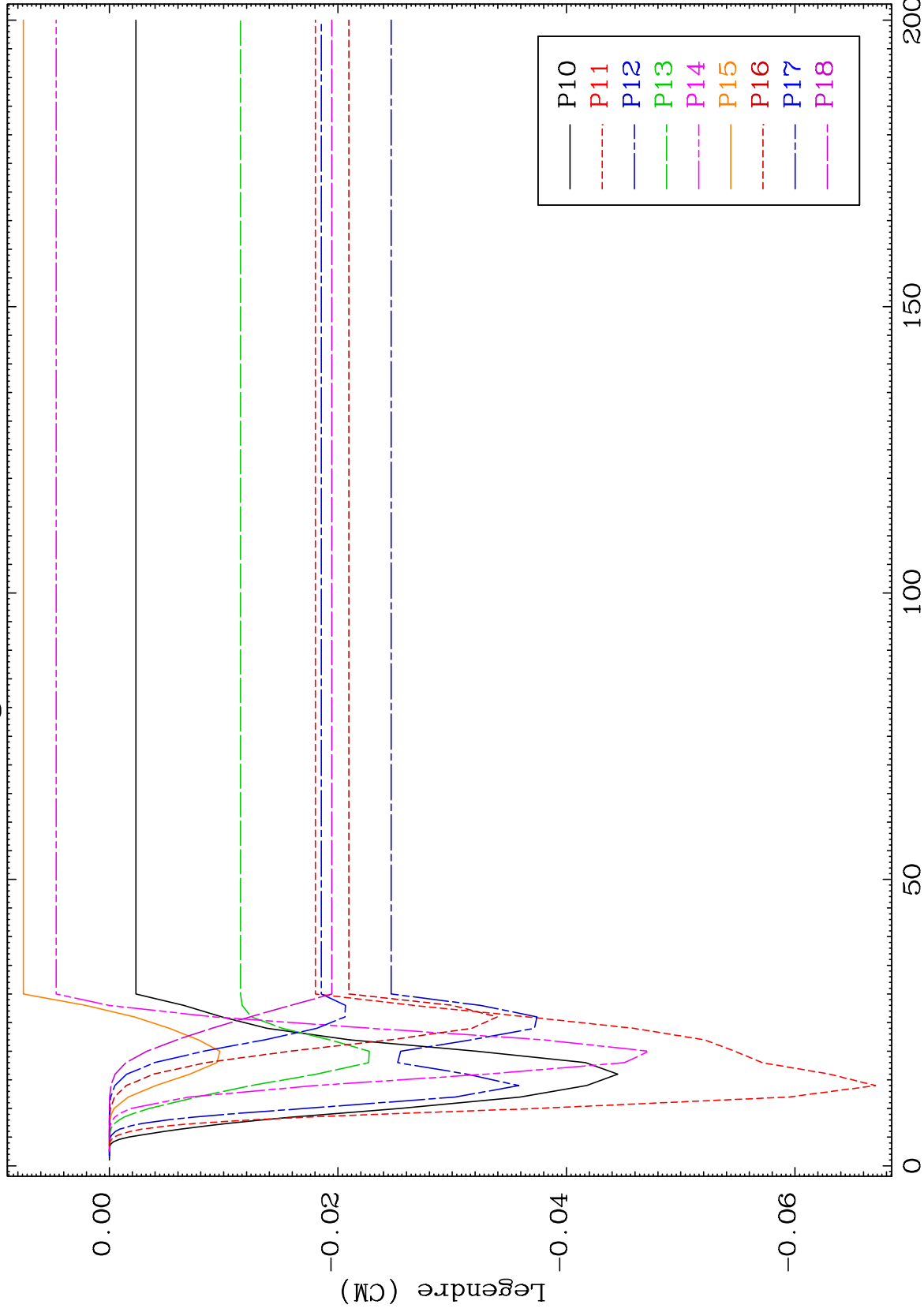
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120

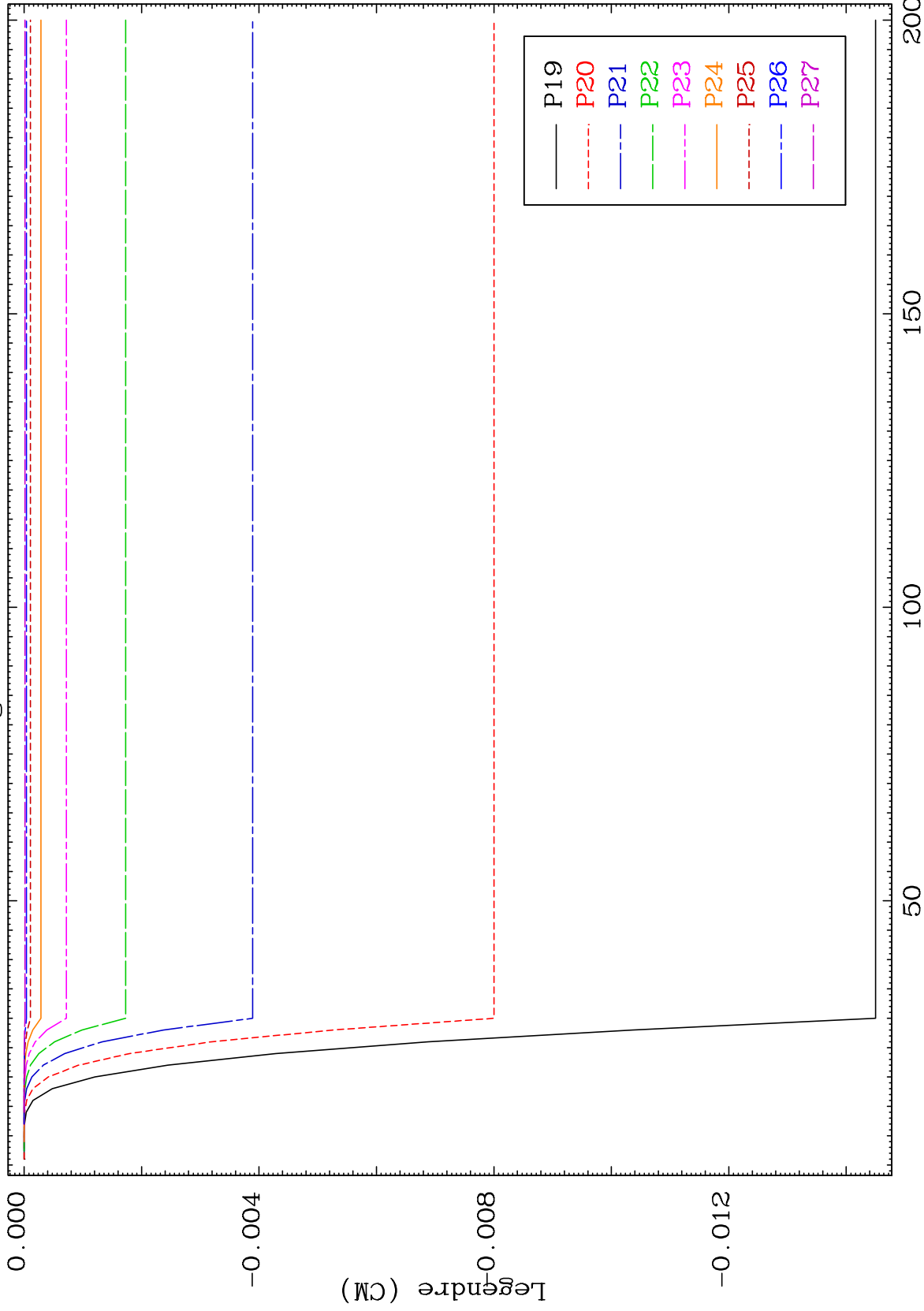


63

Incident Energy (MeV)

53-I -120

MAT 5304 MT= 64 (n,n') Level Legendre Coefficients 53-I -120

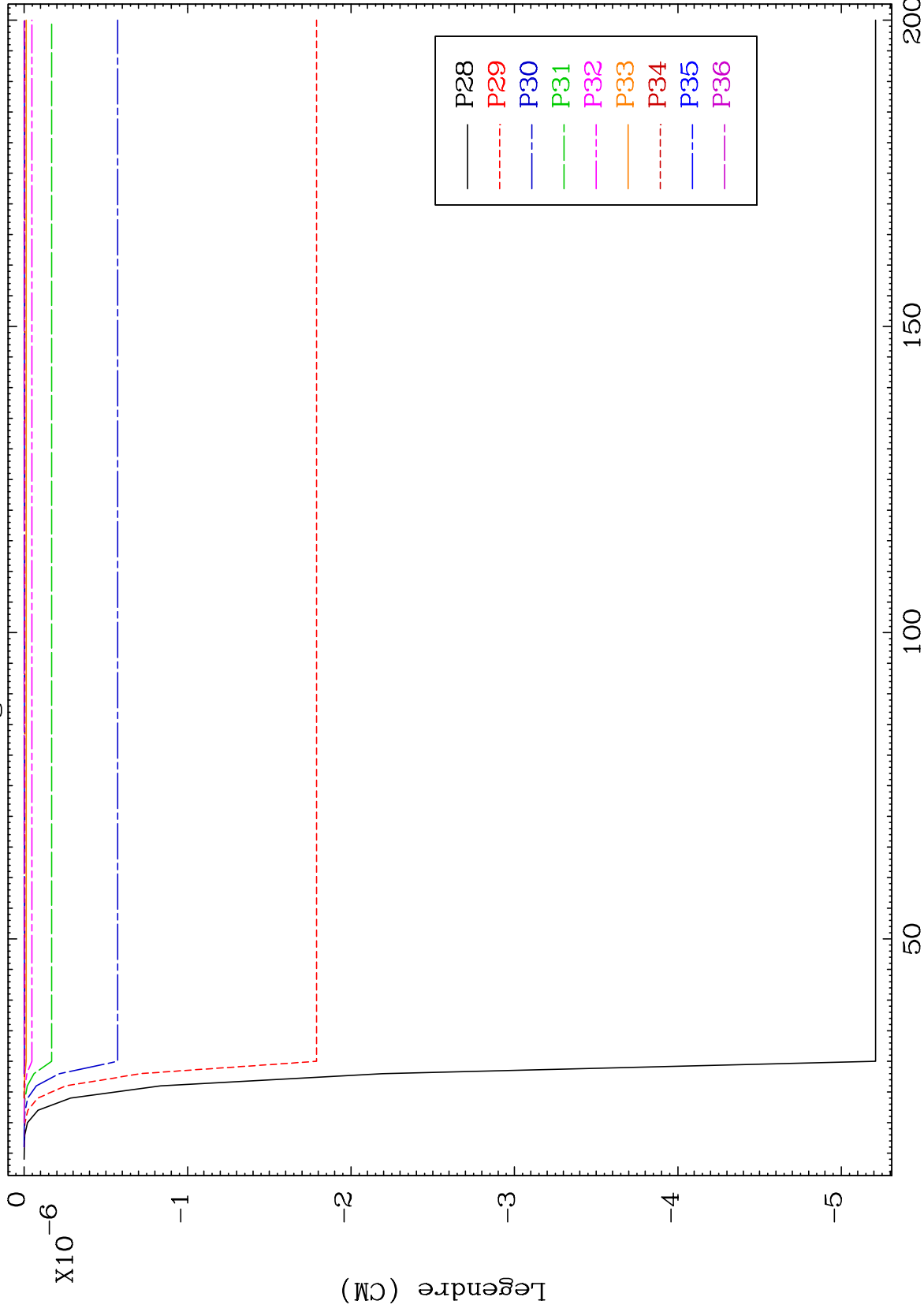


64 53-I -120

MAT 5304

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

53-I -120



65

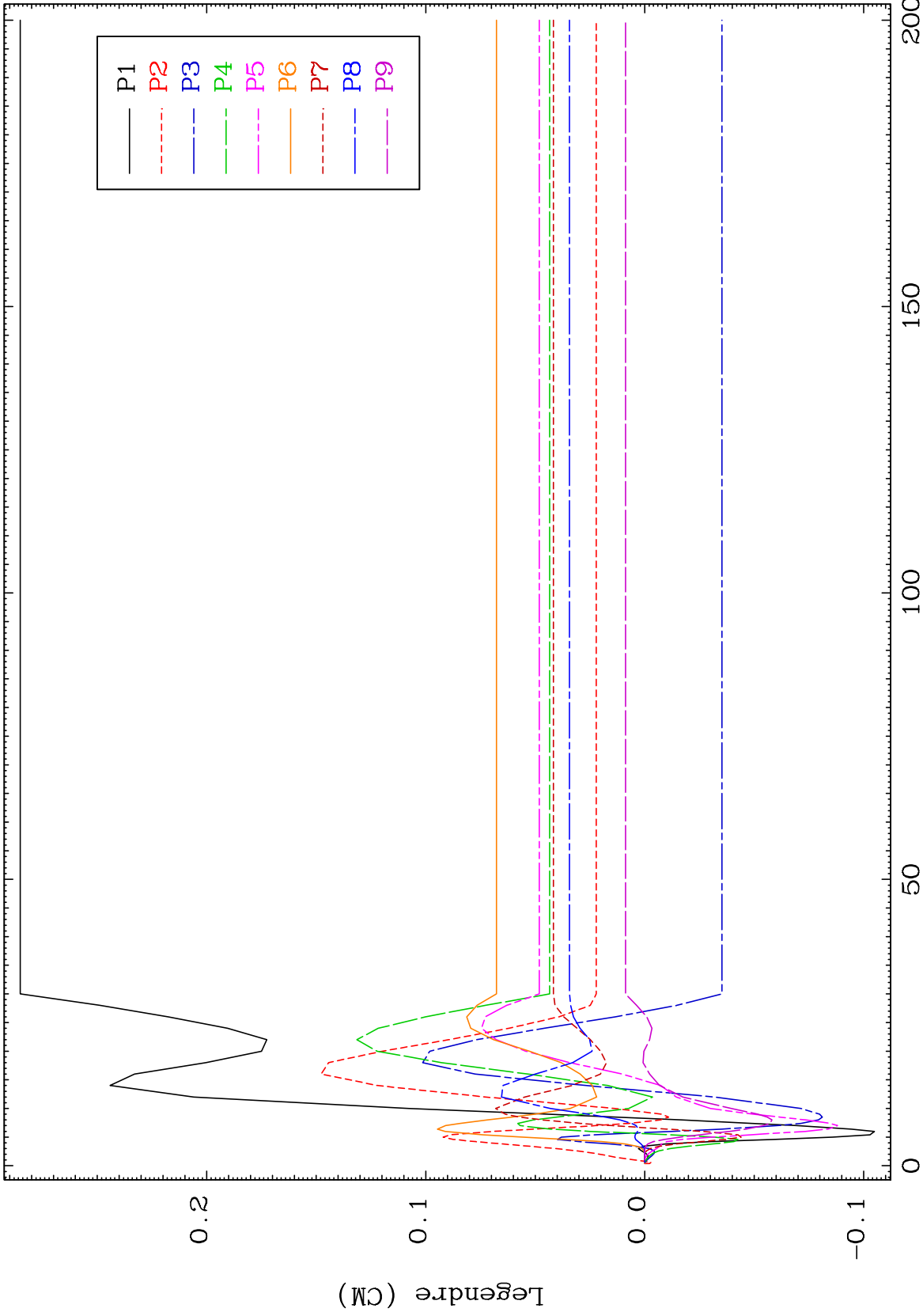
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



66

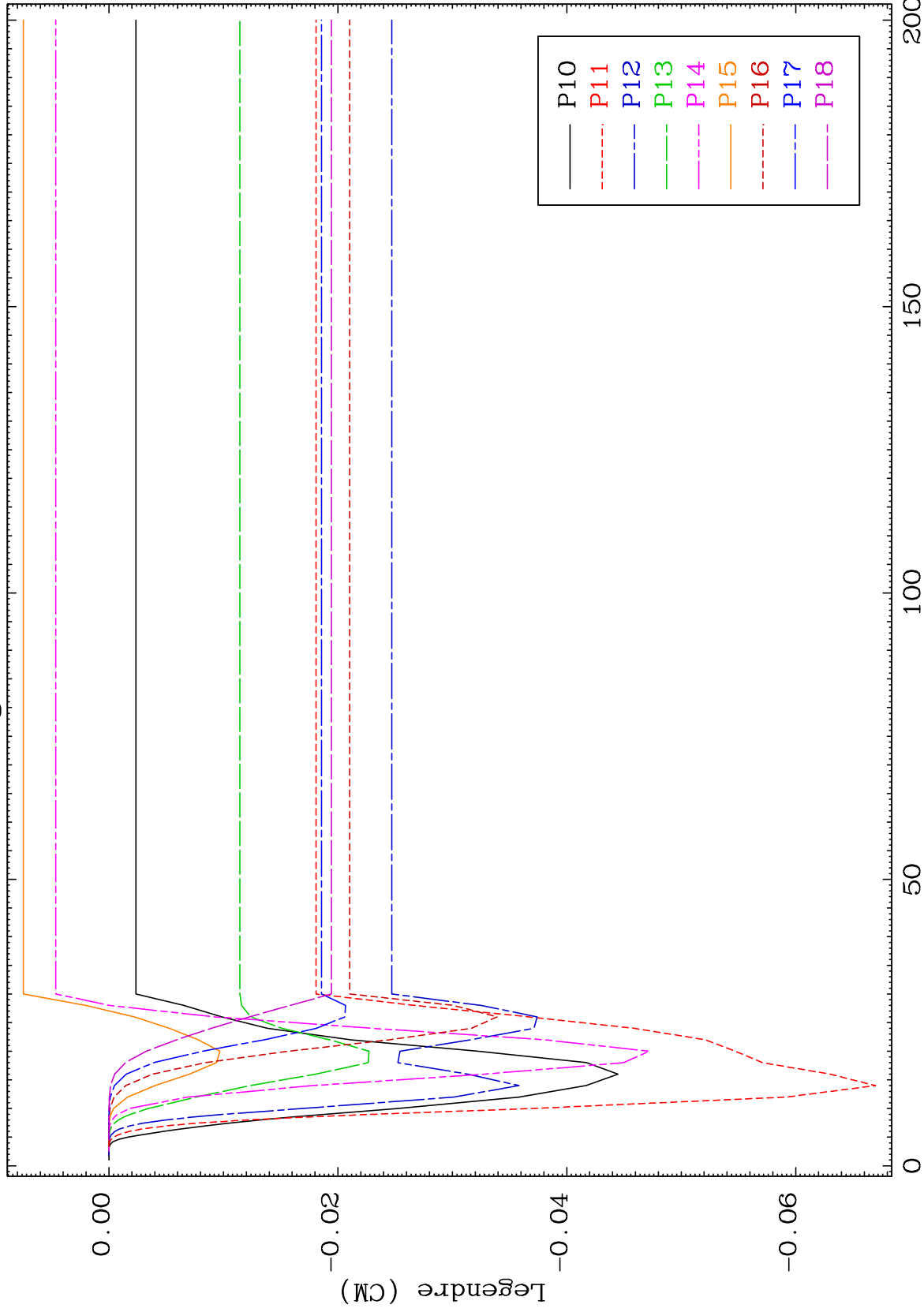
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120

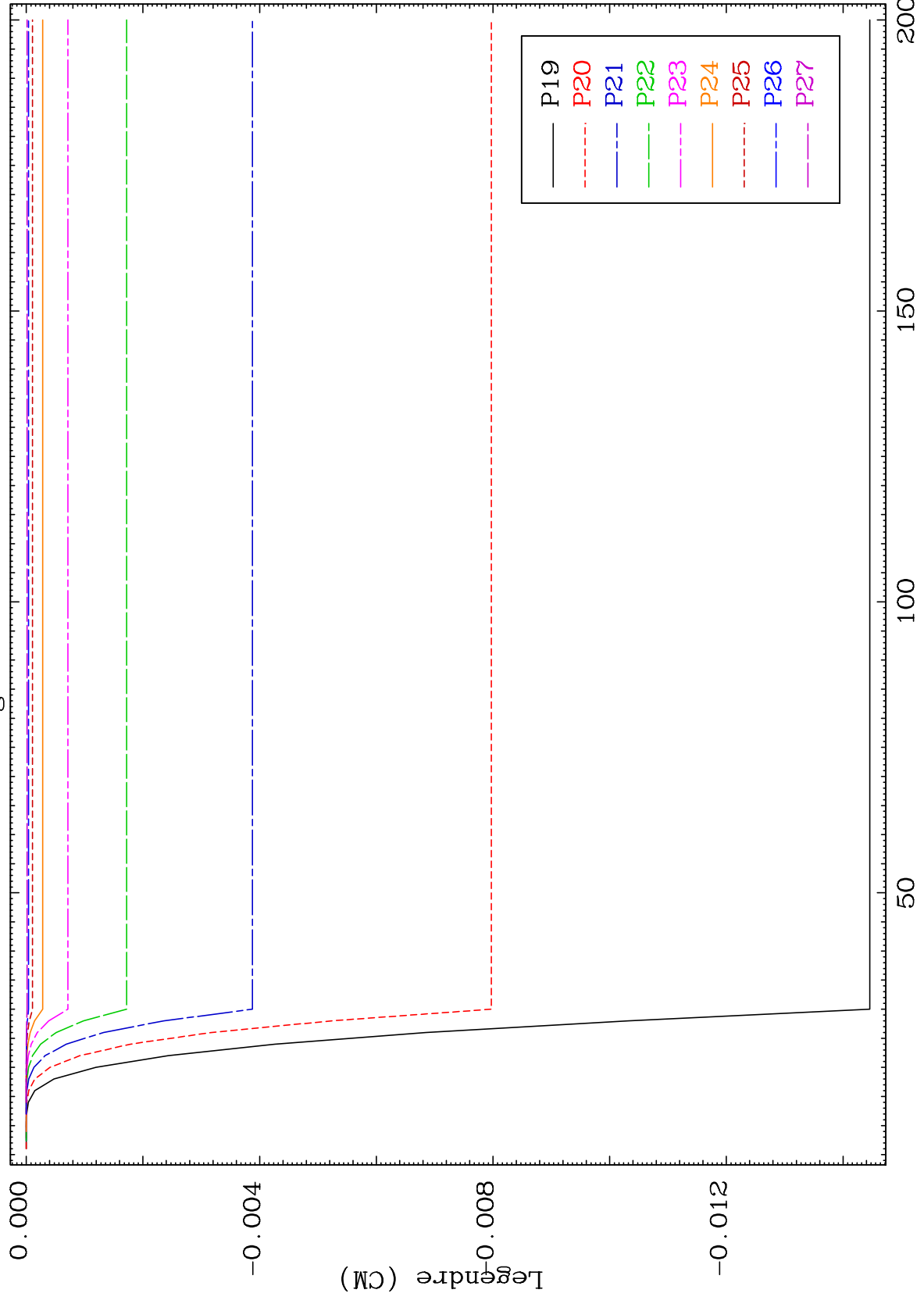


67

Incident Energy (MeV)

53-I -120

MAT 5304 MT= 65 (n,n') Level Legendre Coefficients 53-I -120

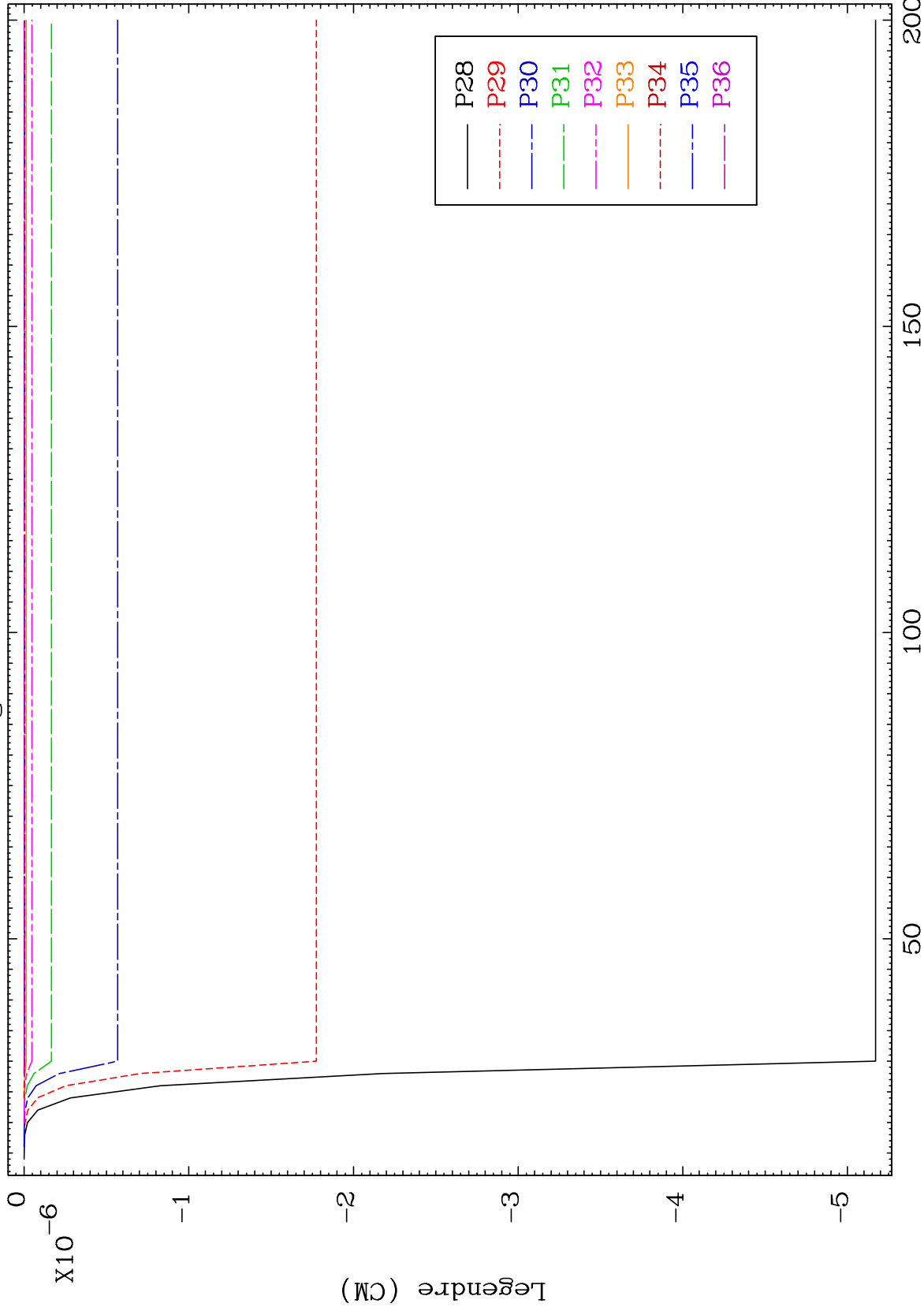


68 53-I -120

MAT 5304

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

53-I -120



69

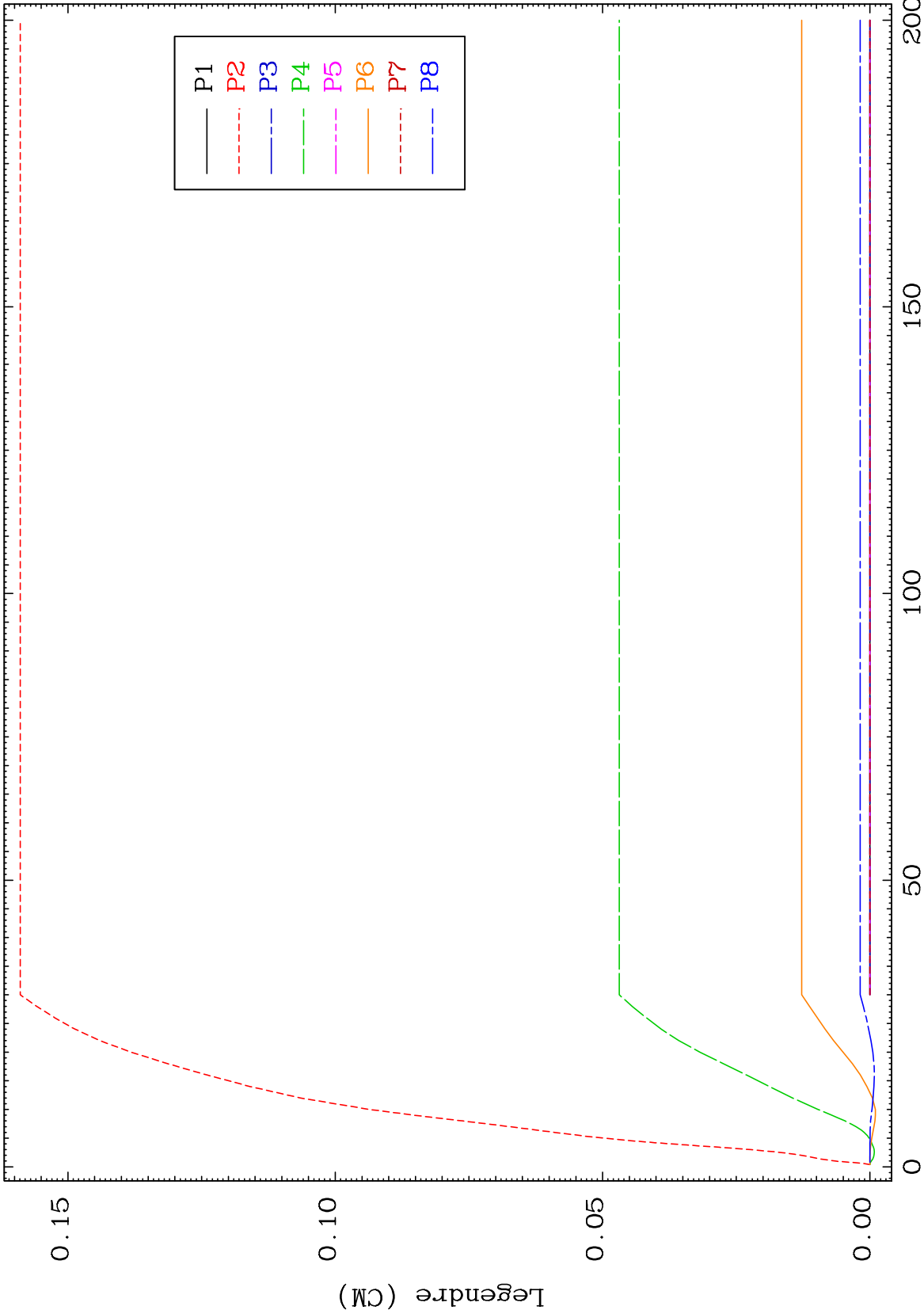
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



70

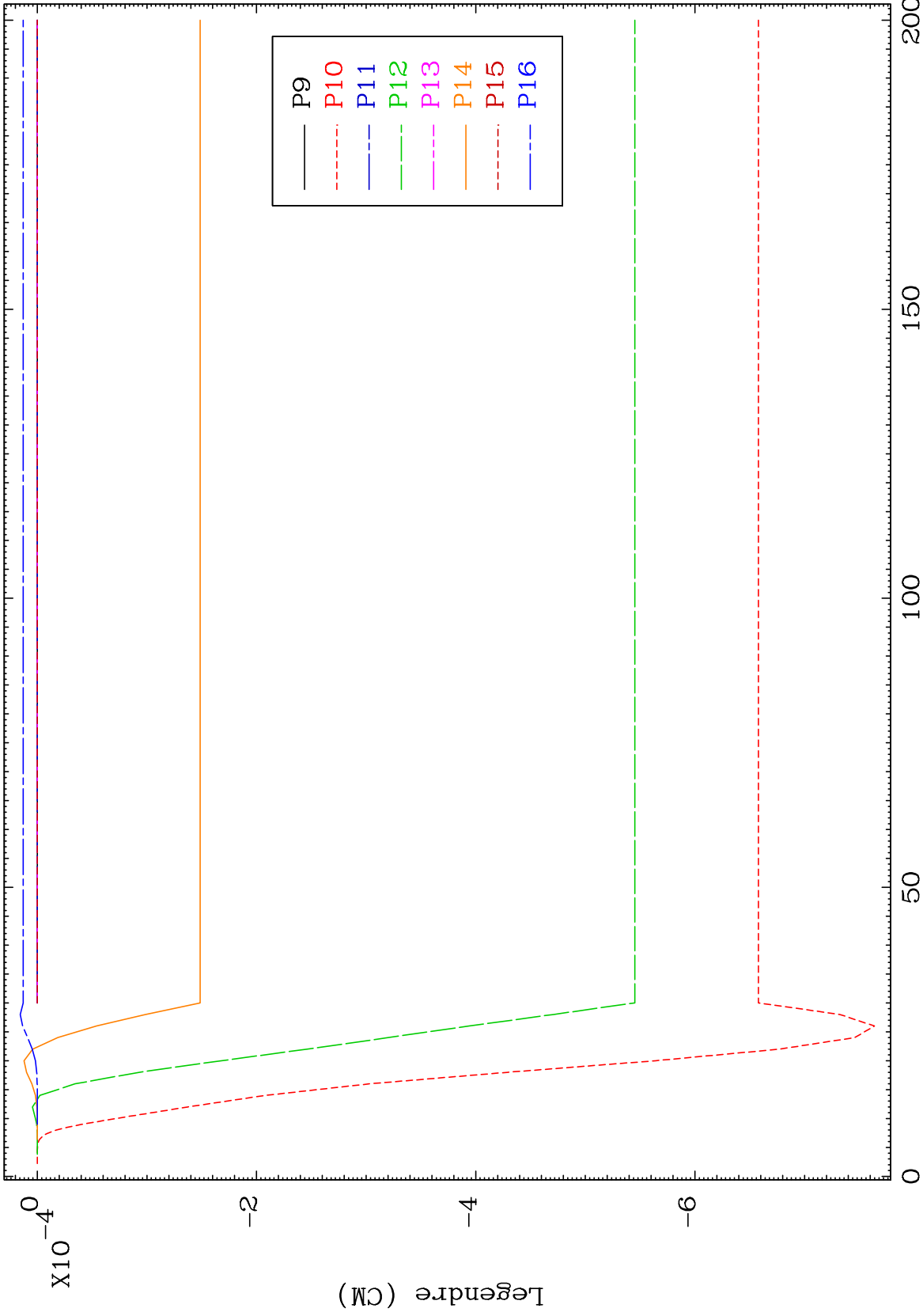
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



71

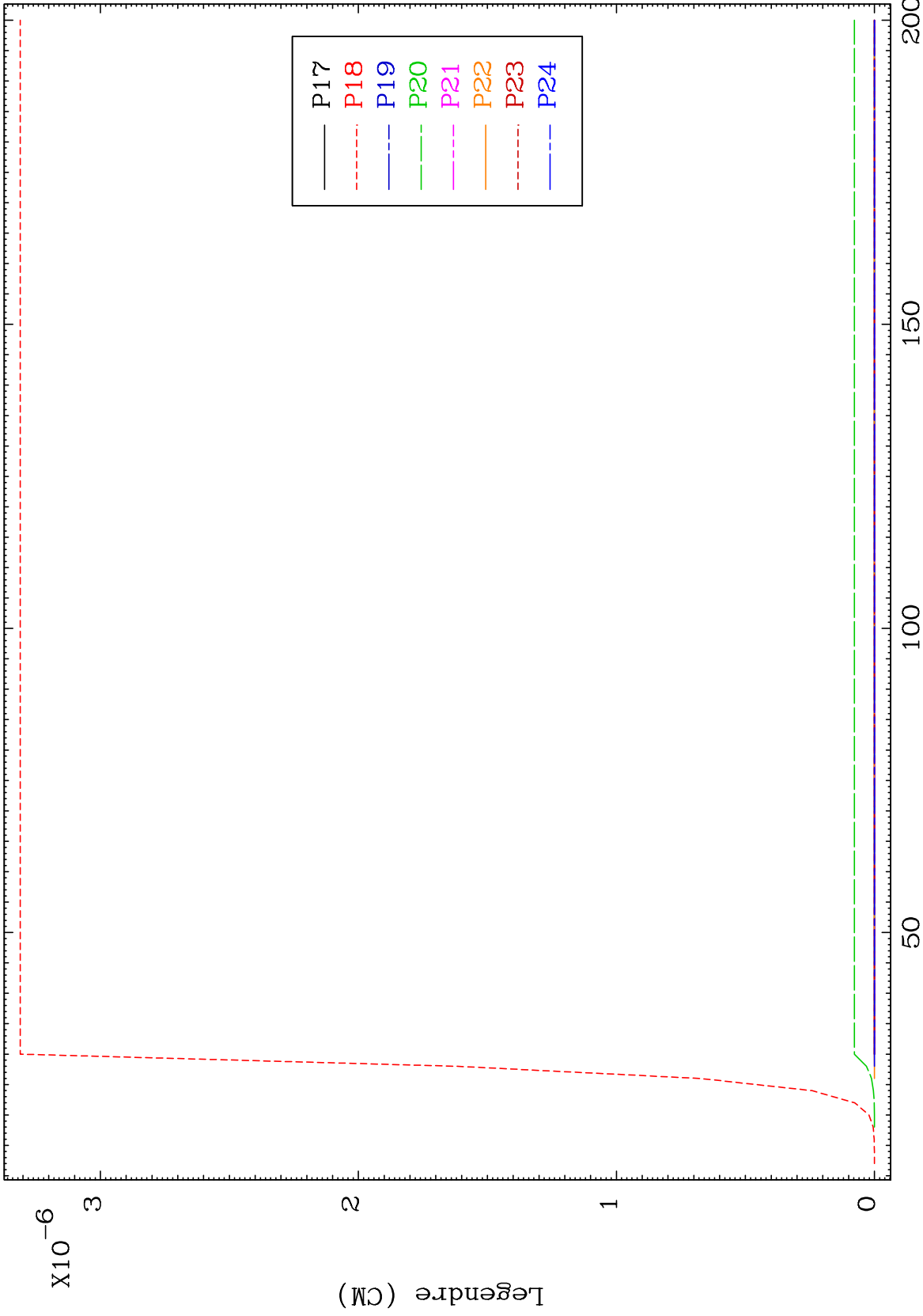
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



72

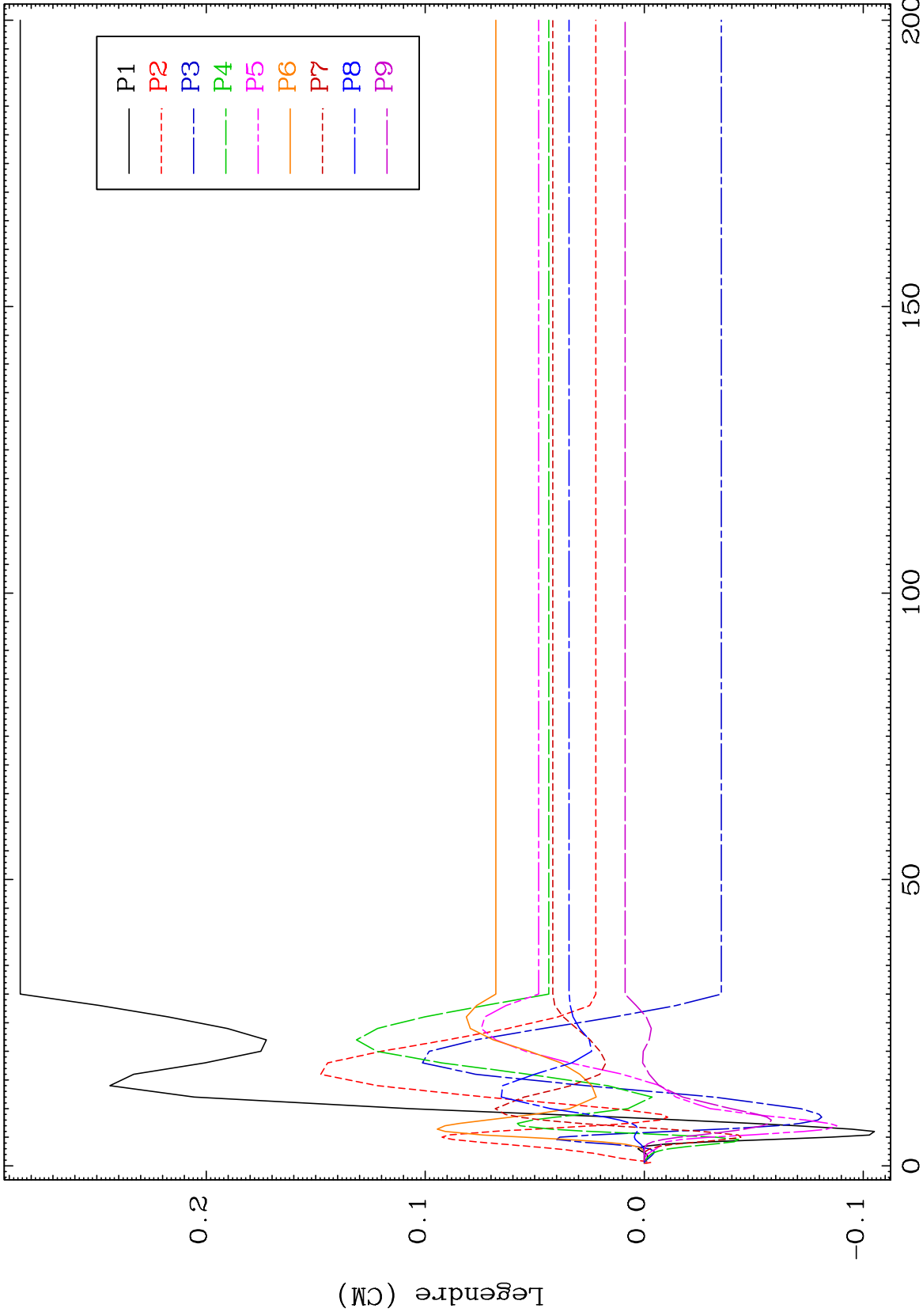
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



73

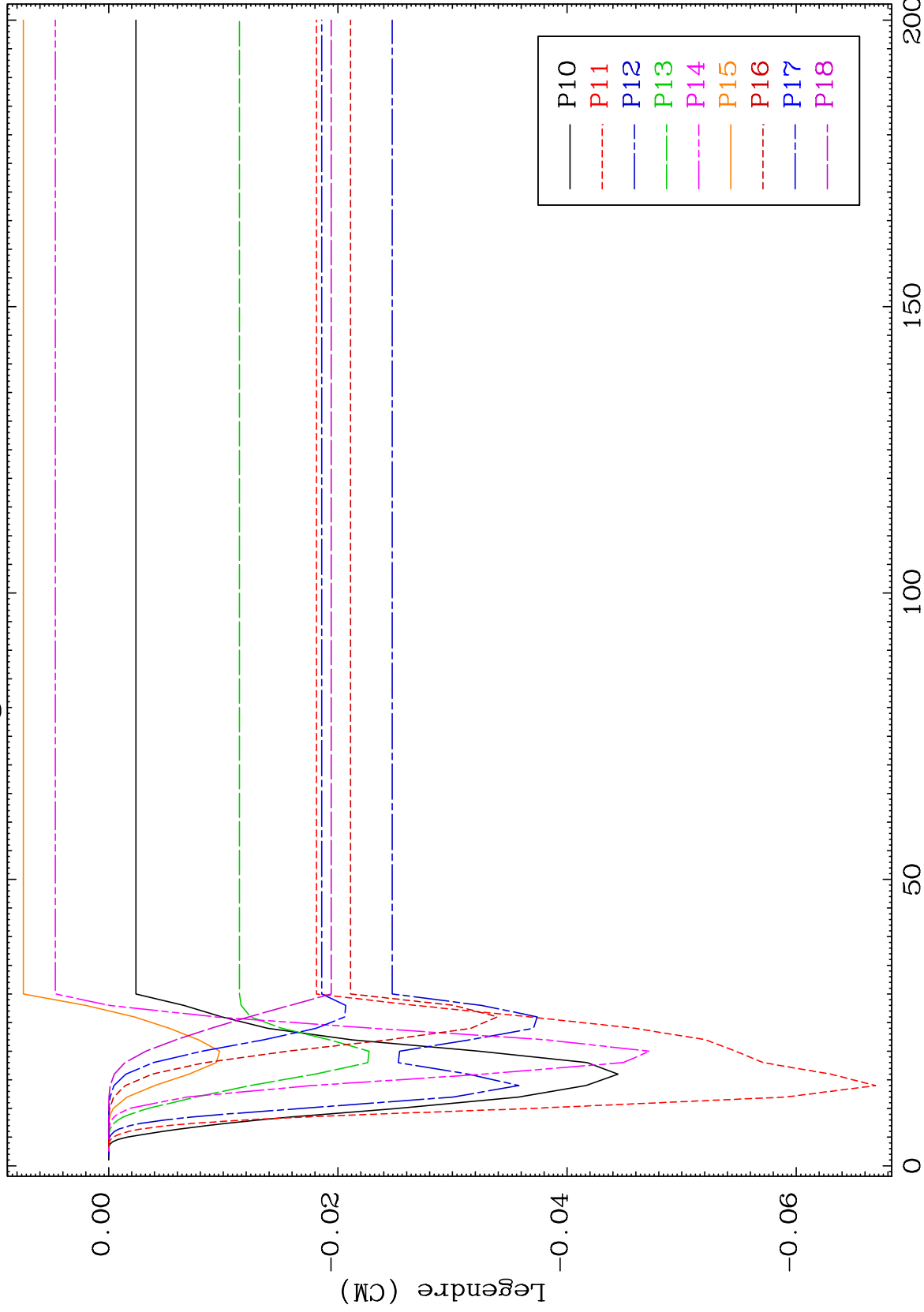
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120

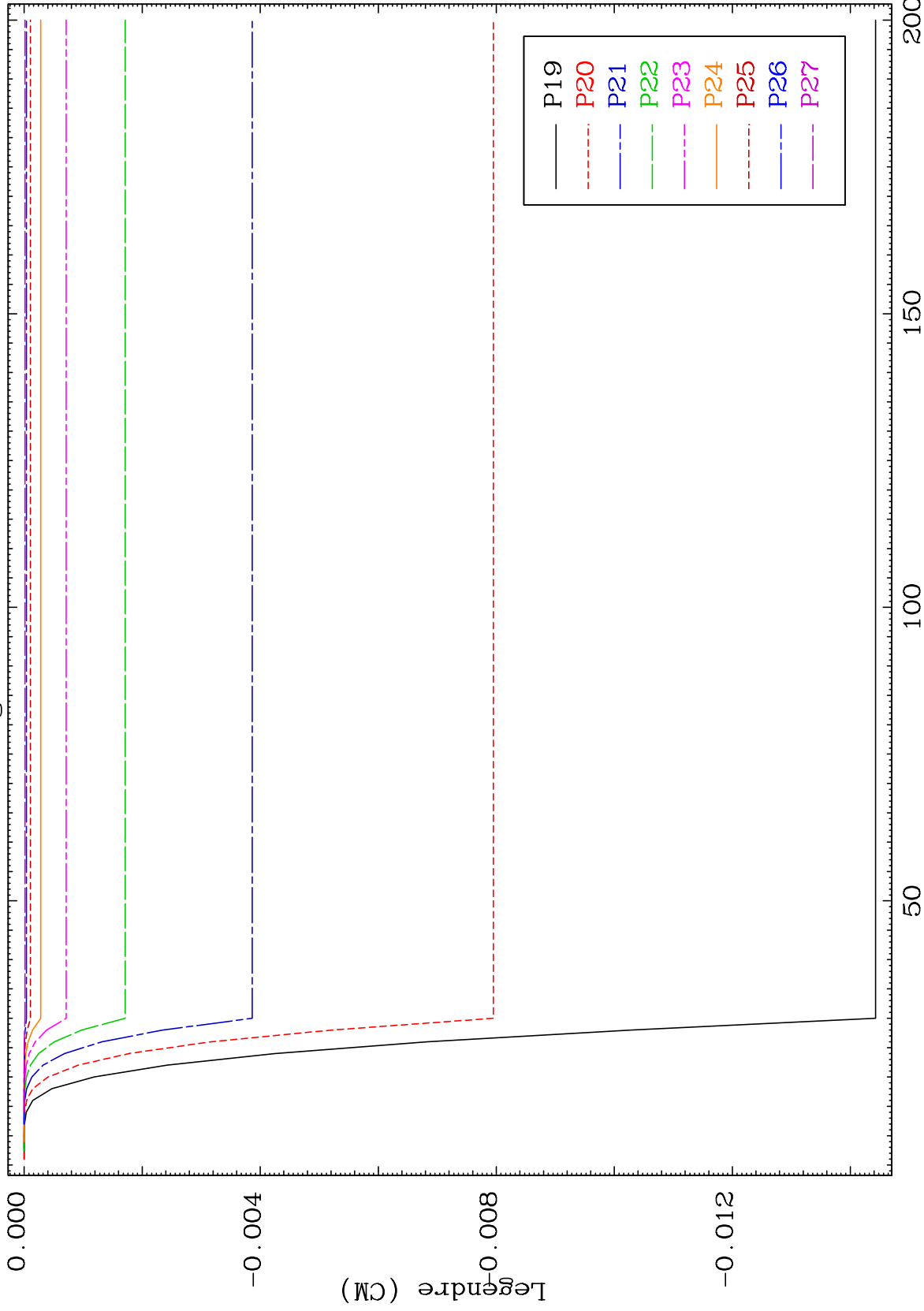


74

Incident Energy (MeV)

53-I -120

MAT 5304 MT= 67 (n,n') Level Legendre Coefficients 53-I -120

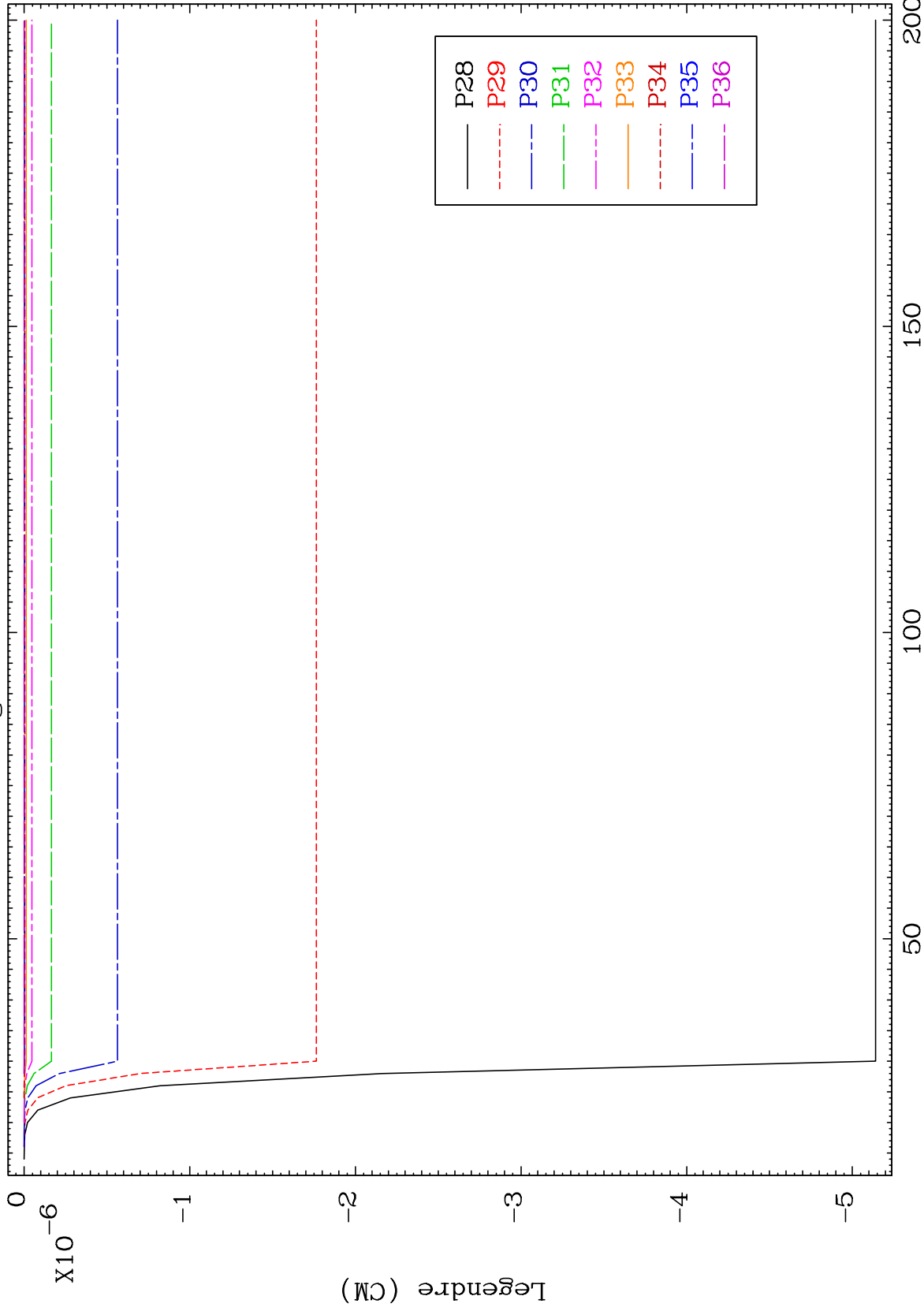


75 Incident Energy (MeV) 53-I -120

MAT 5304

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

53-I -120



76

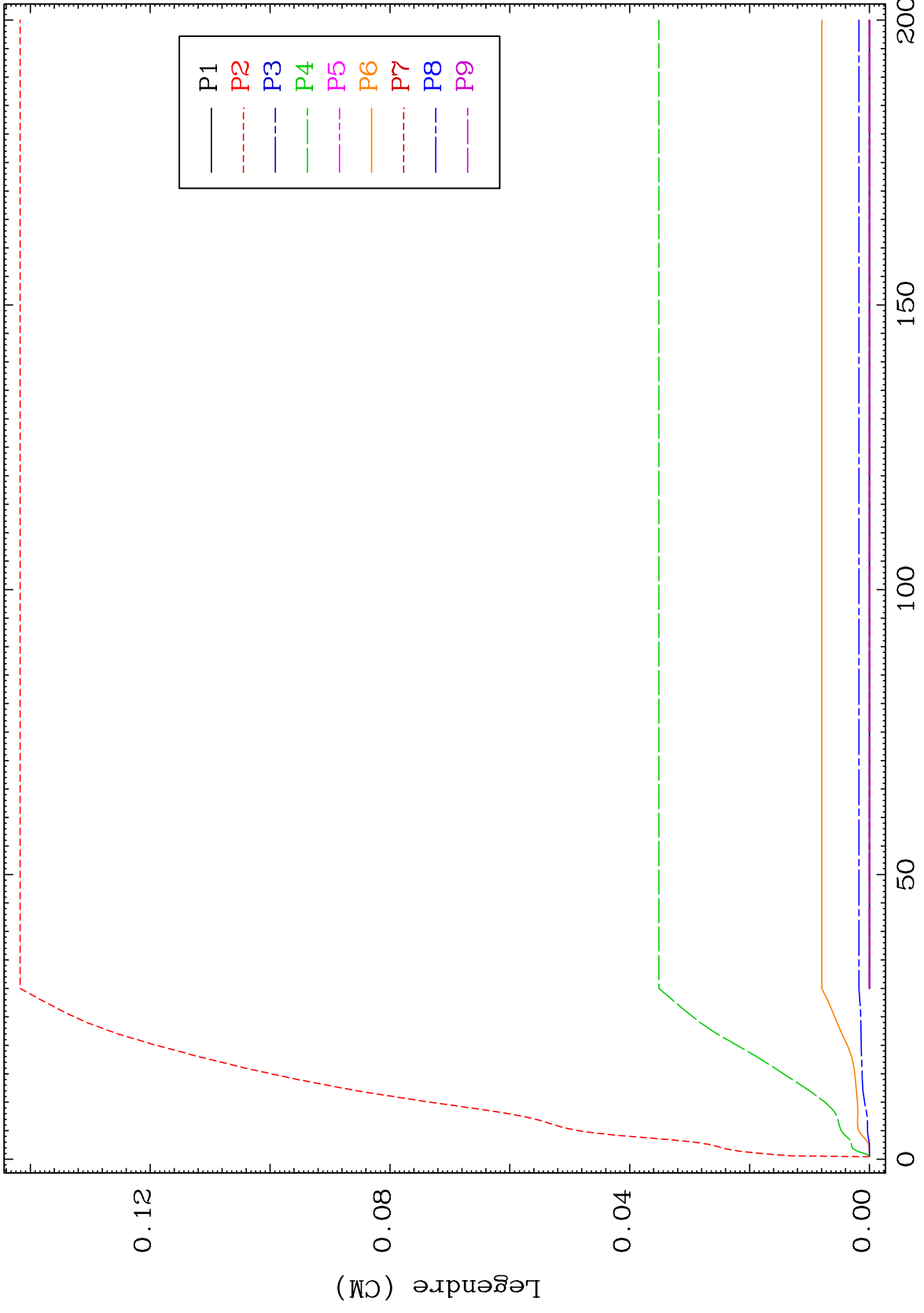
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



77

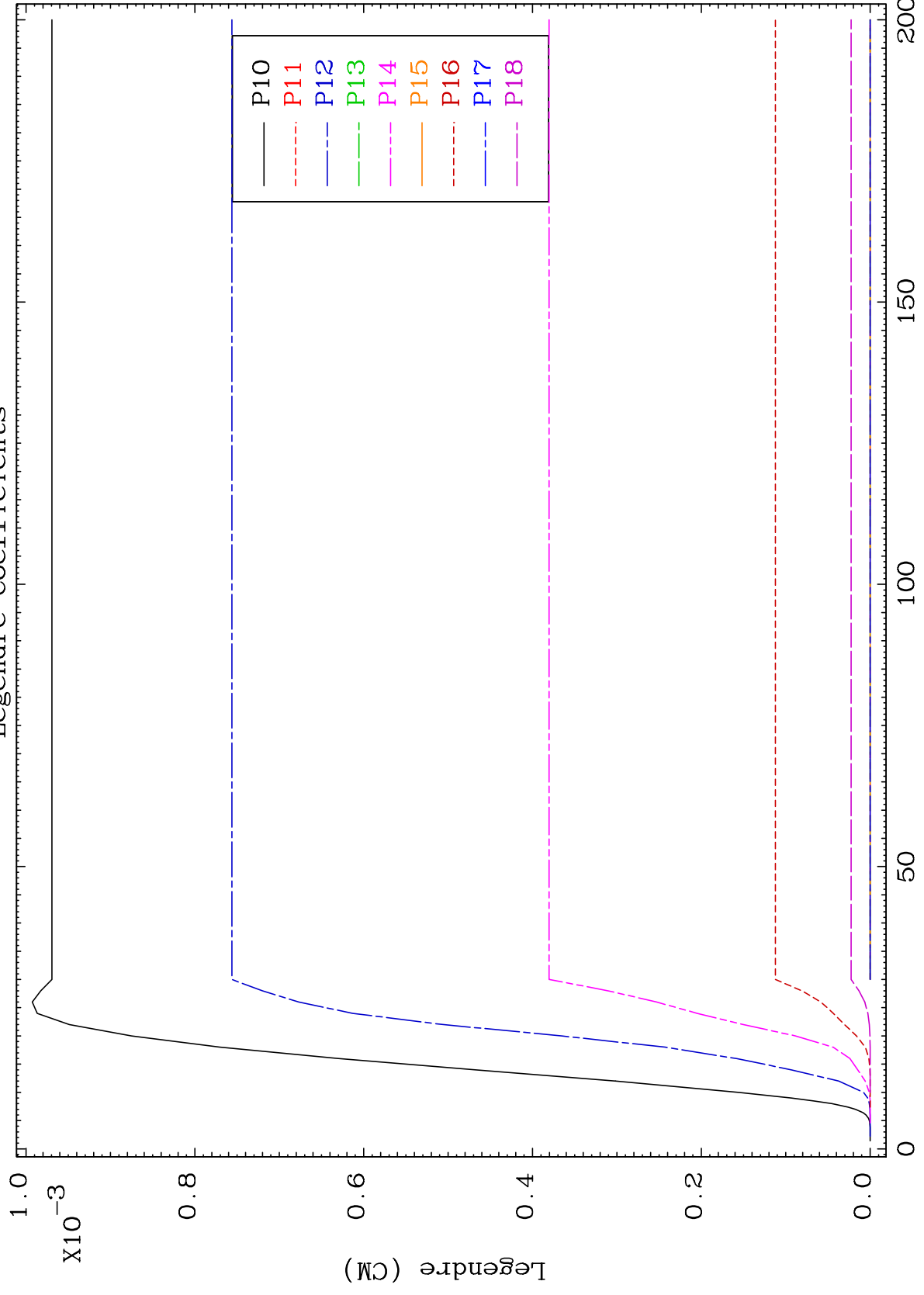
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



78

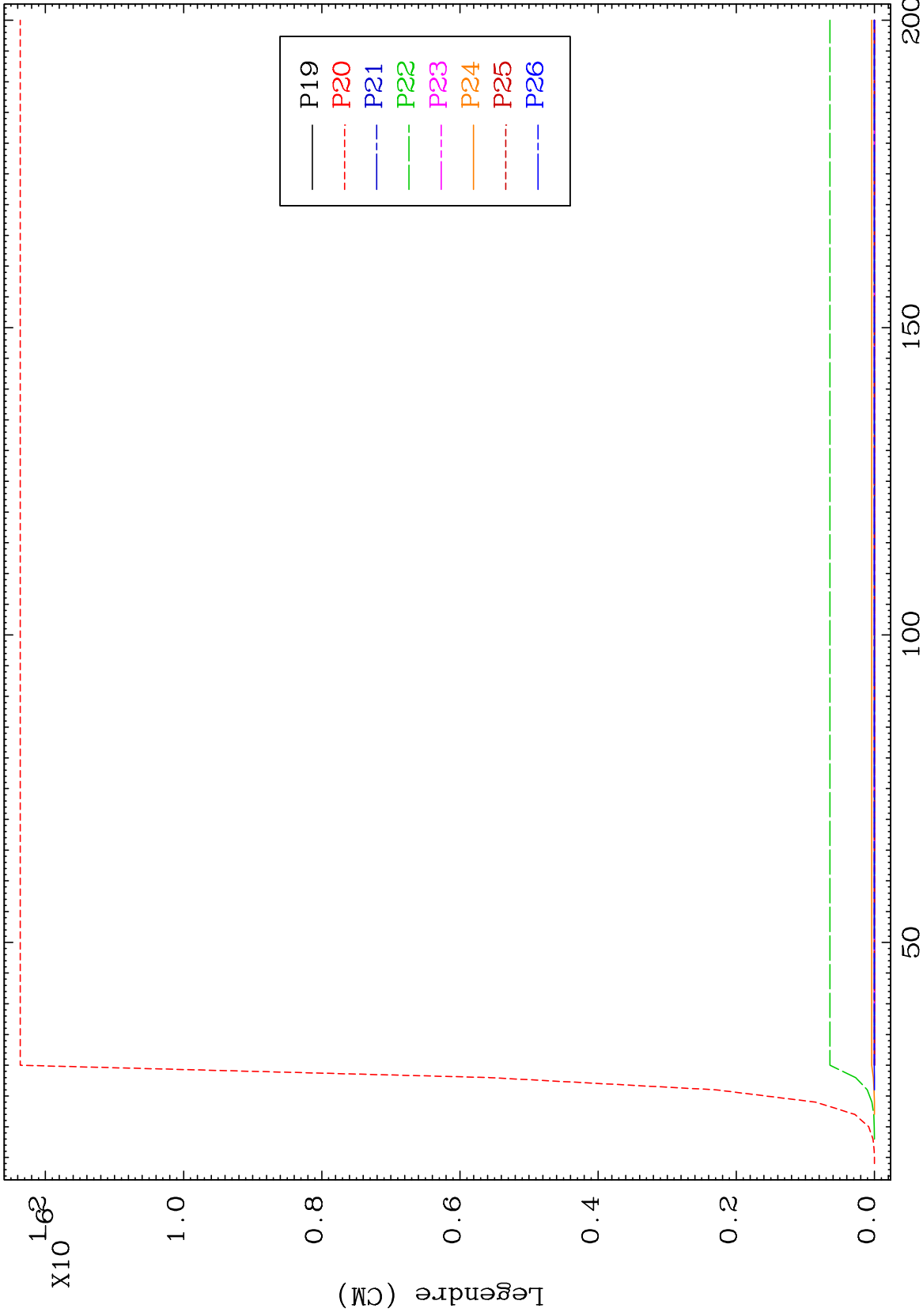
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



79

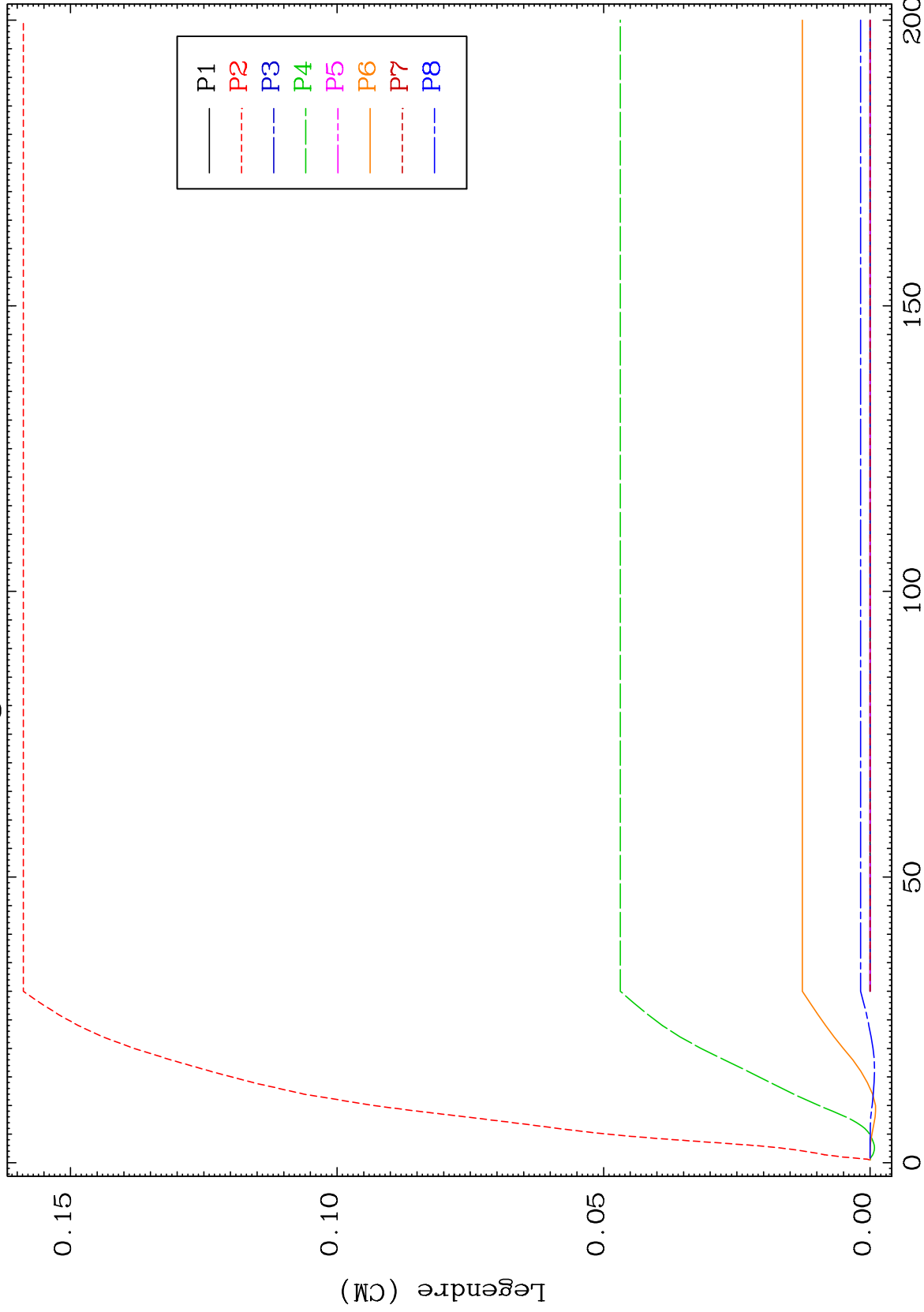
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



80

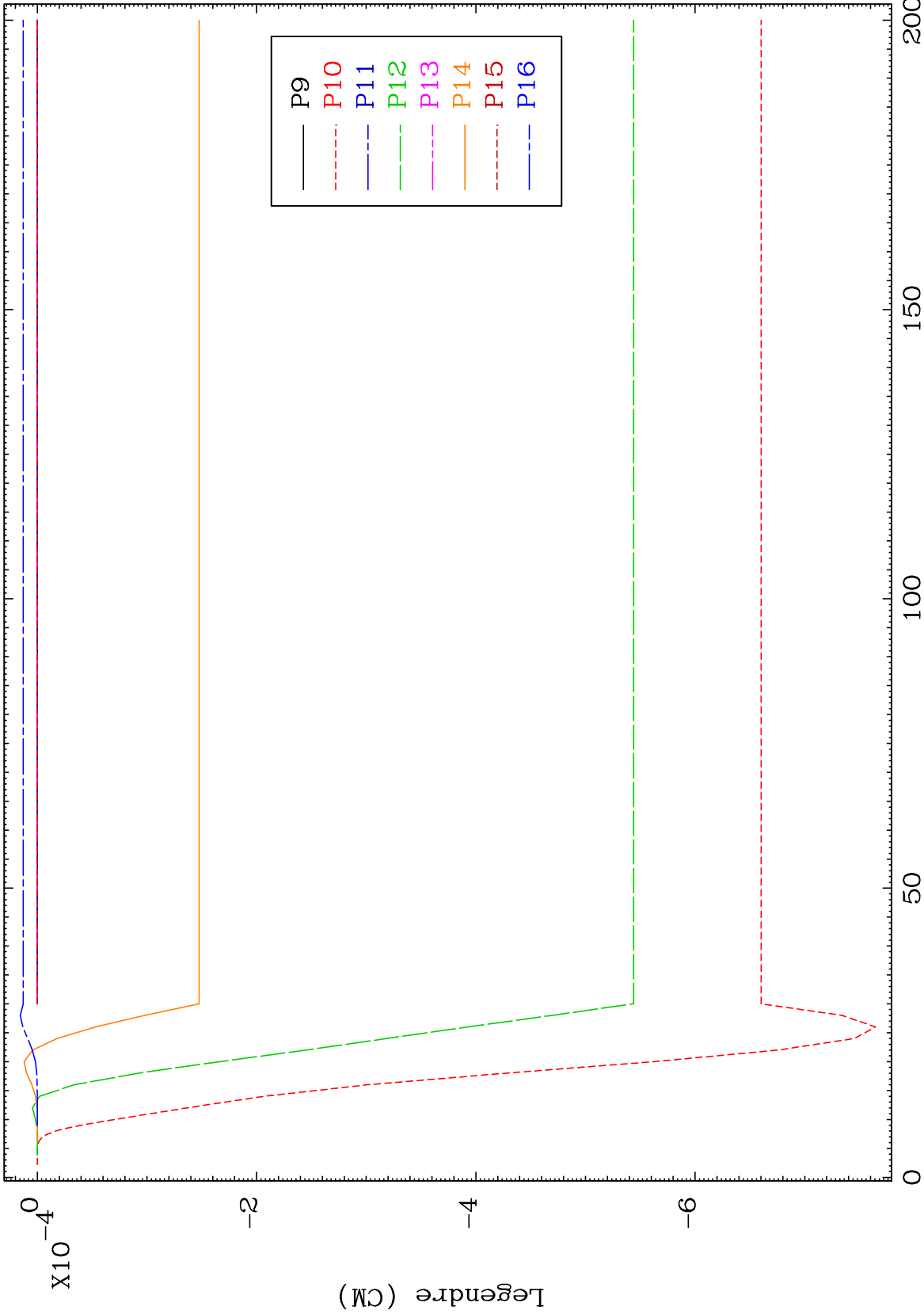
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



81

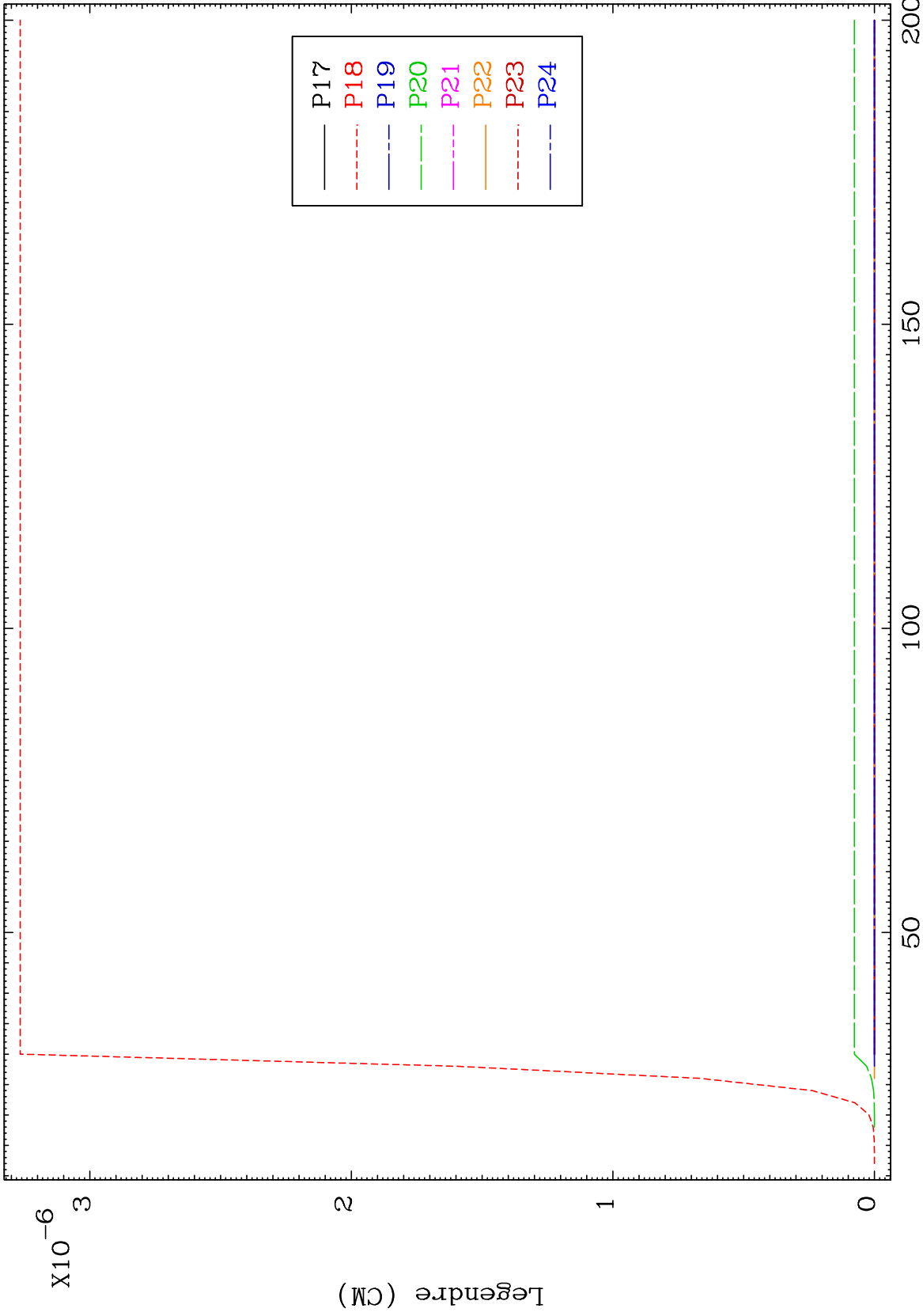
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



82

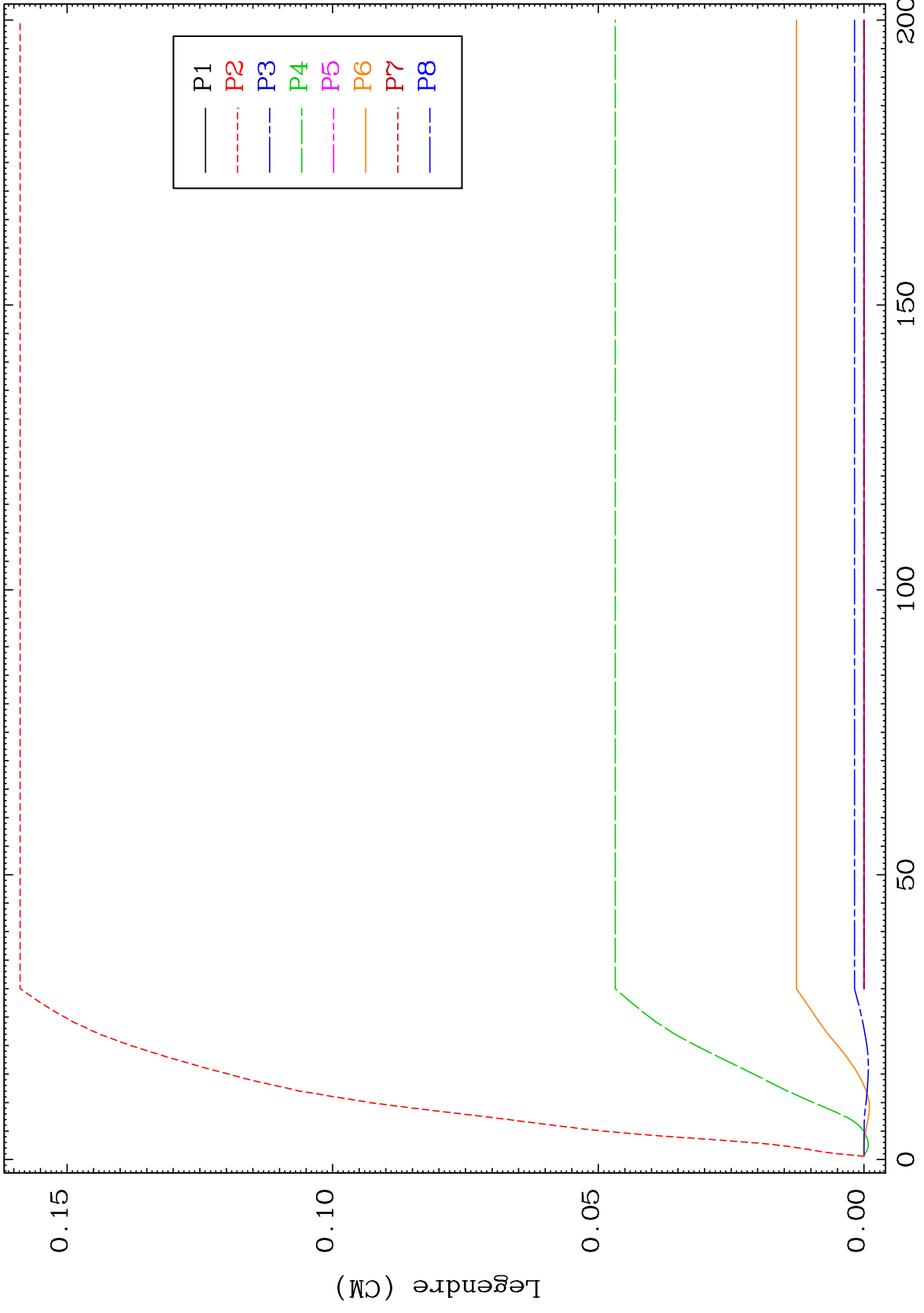
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



83

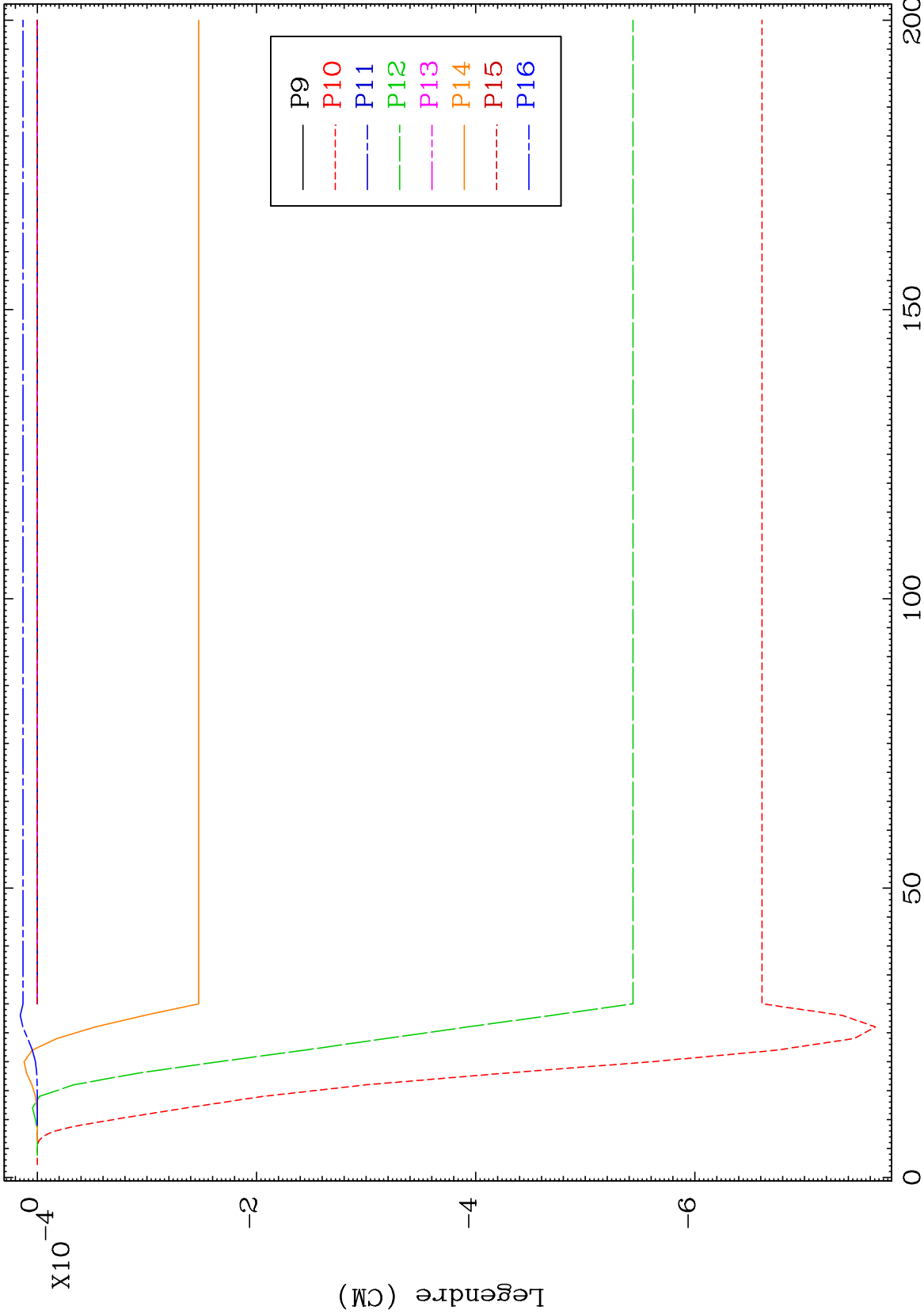
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



84

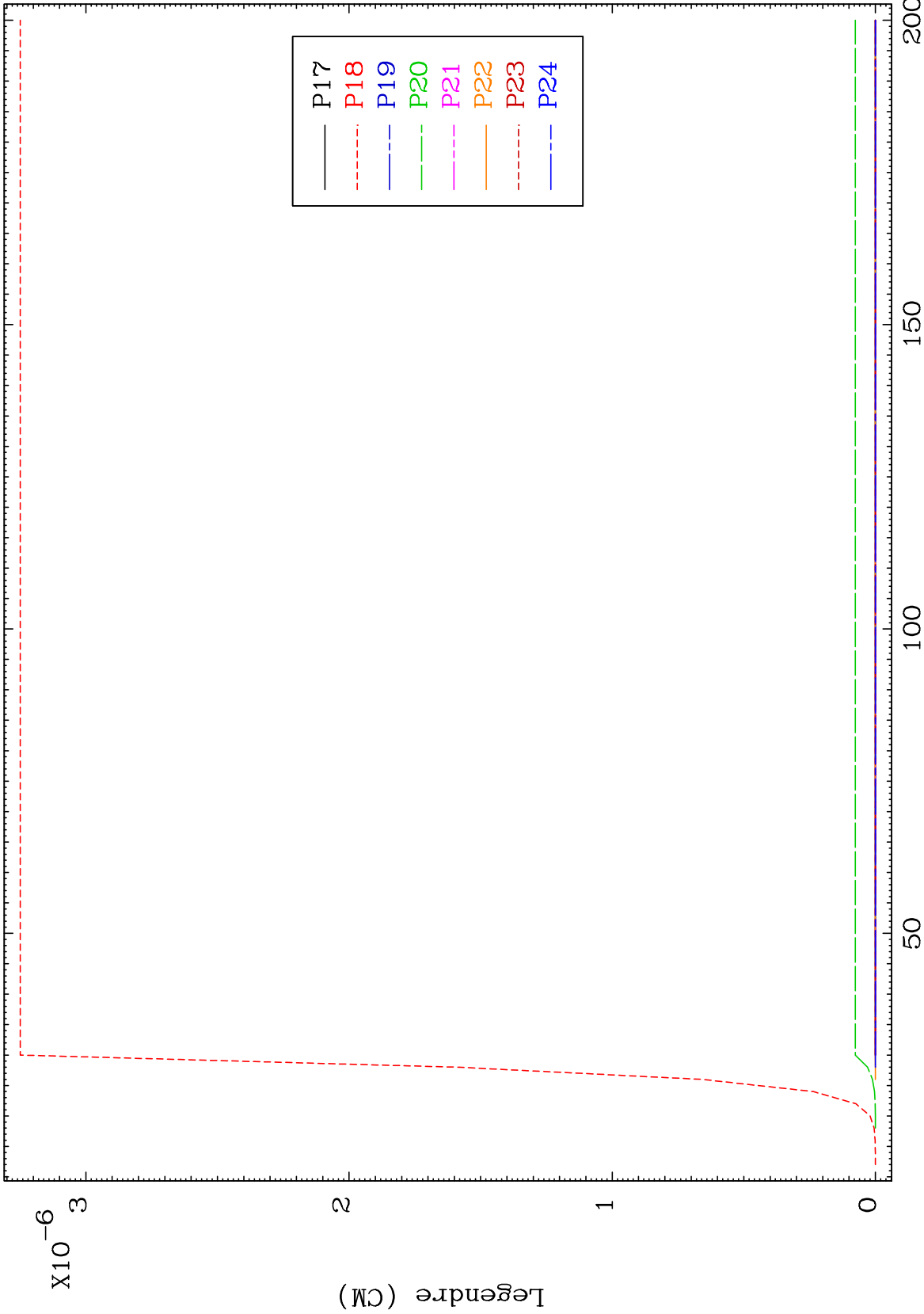
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



85

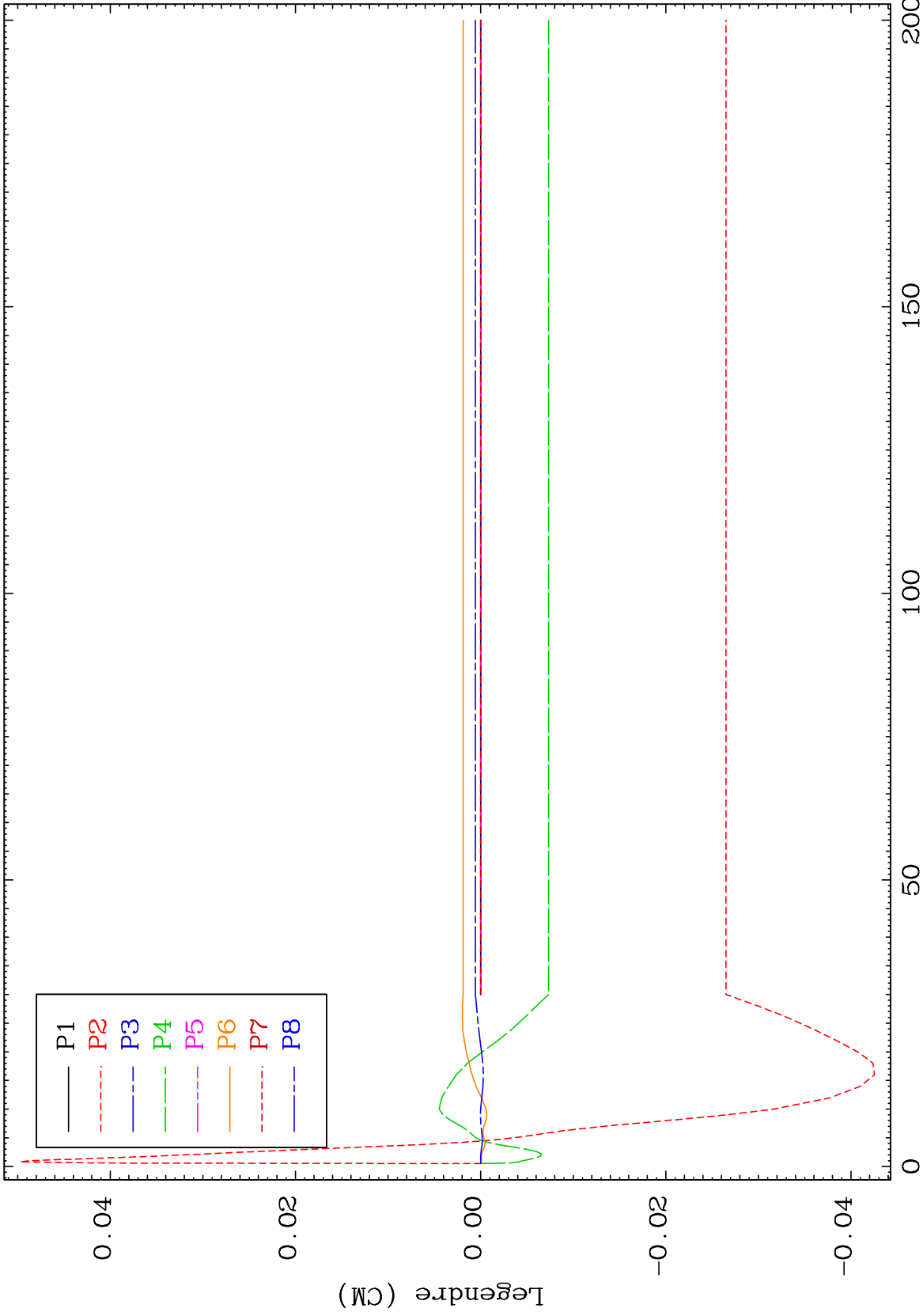
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



86

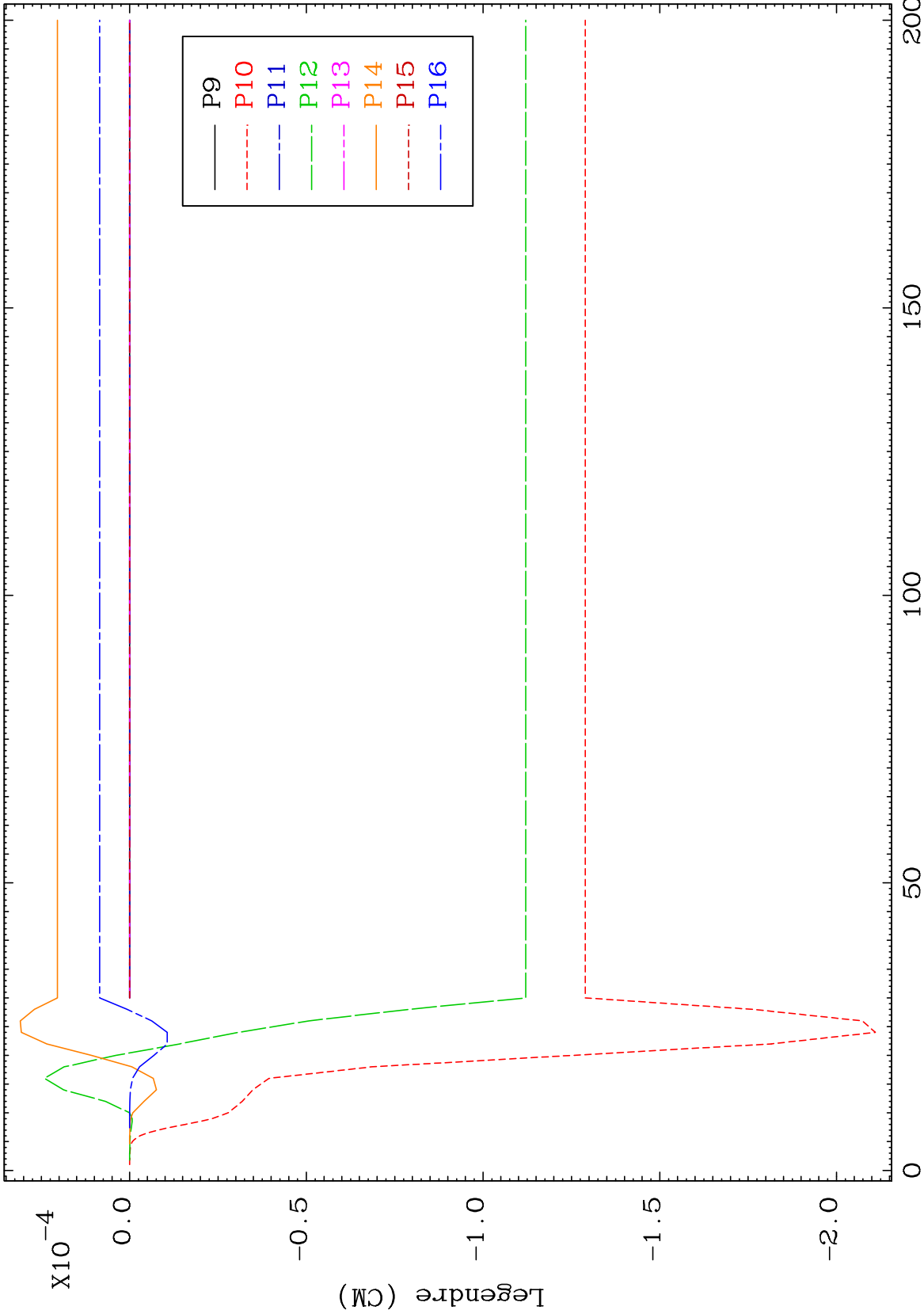
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120

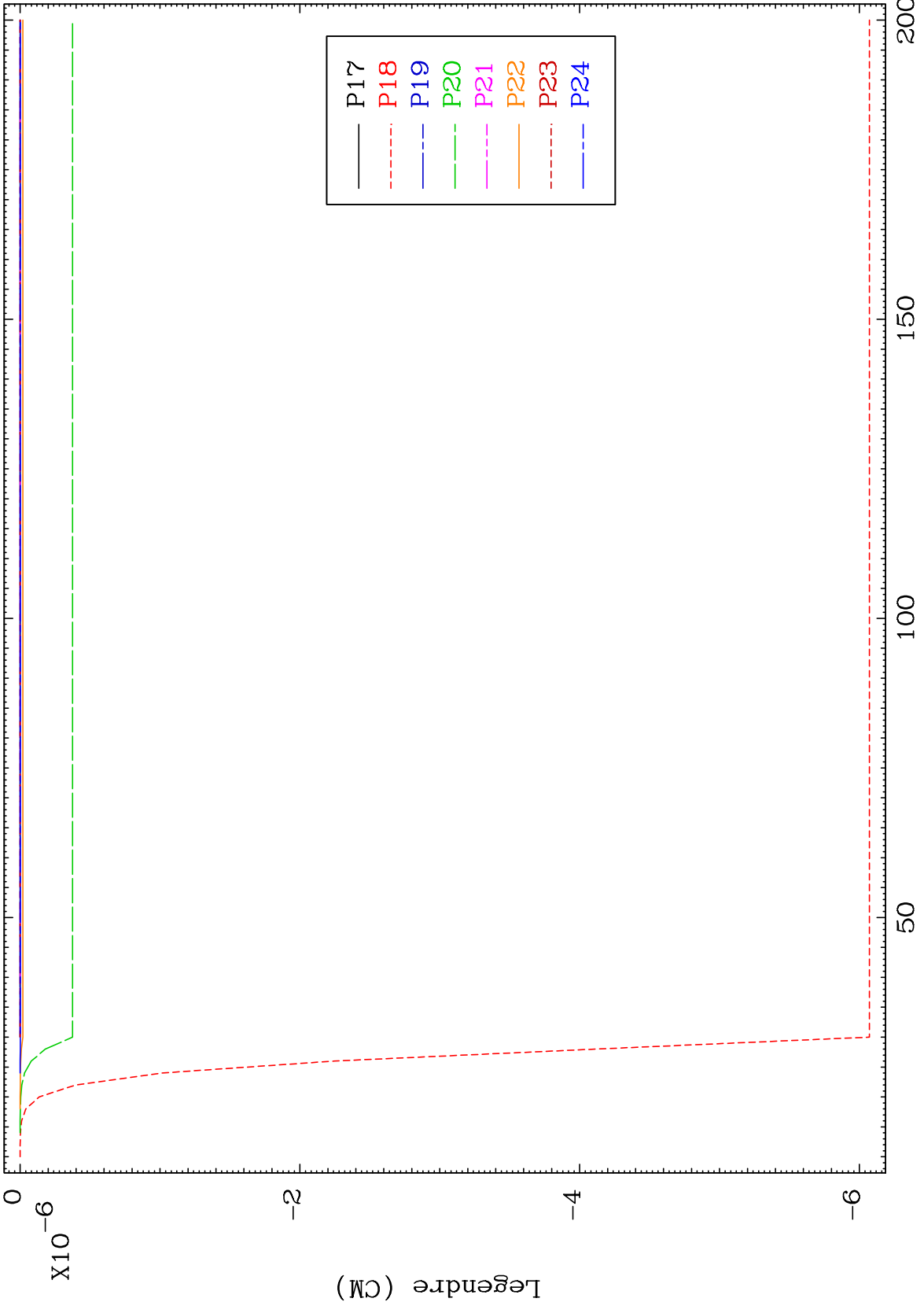


87

Incident Energy (MeV)

53-I -120

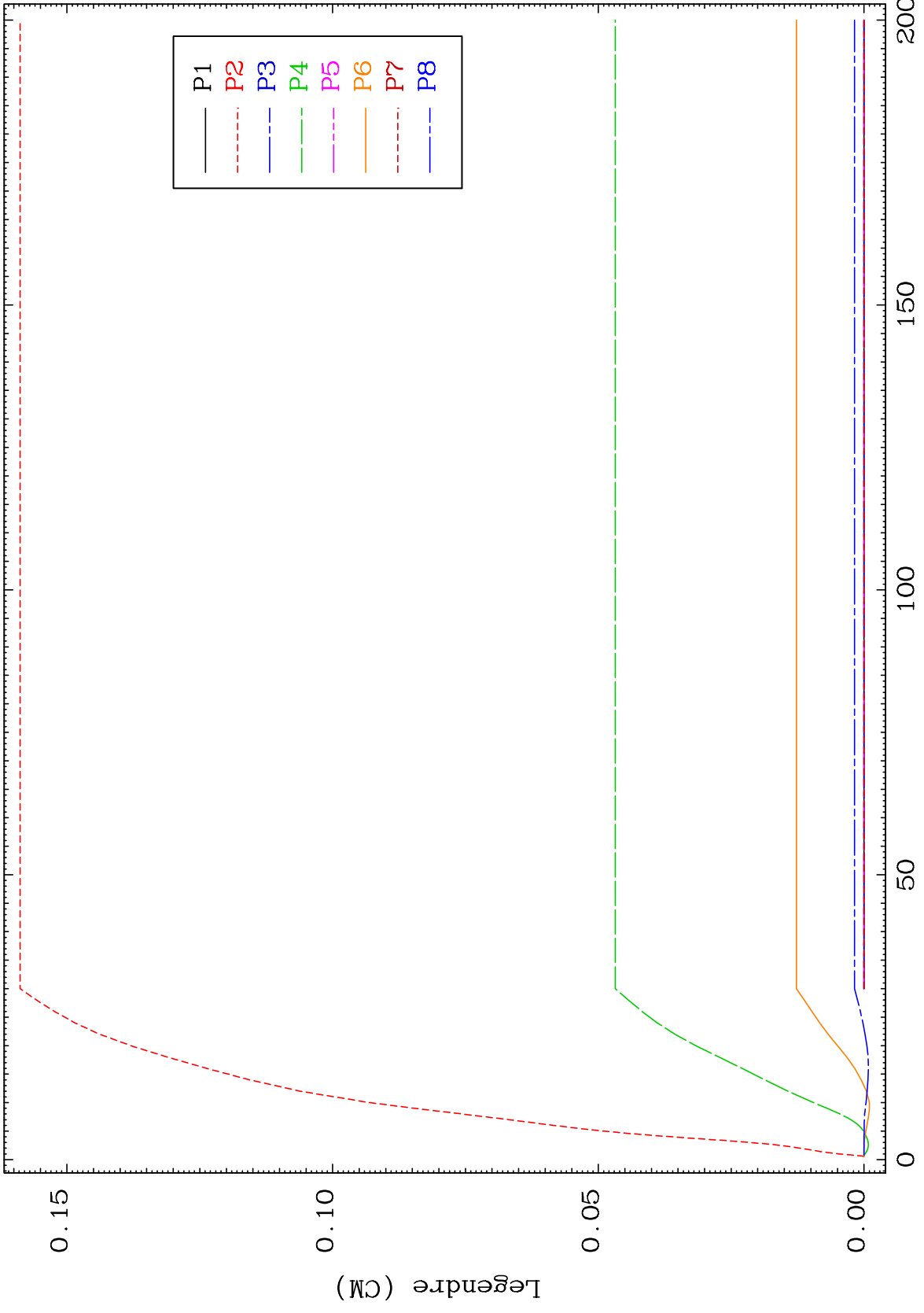
MAT 5304 MT= 71 (n,n') Level Legendre Coefficients 53-I -120



MAT 5304

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

53-I -120



89

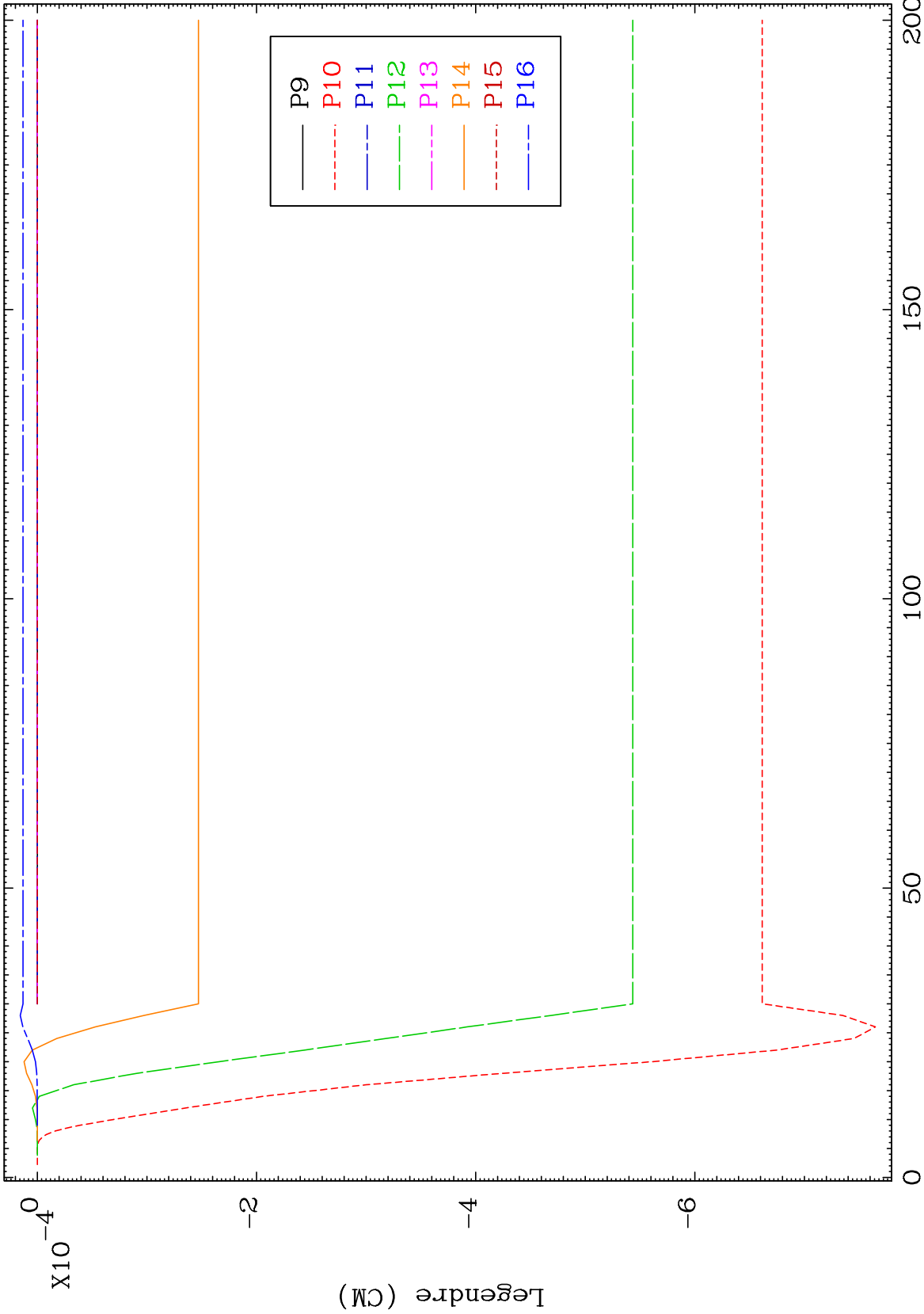
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



90

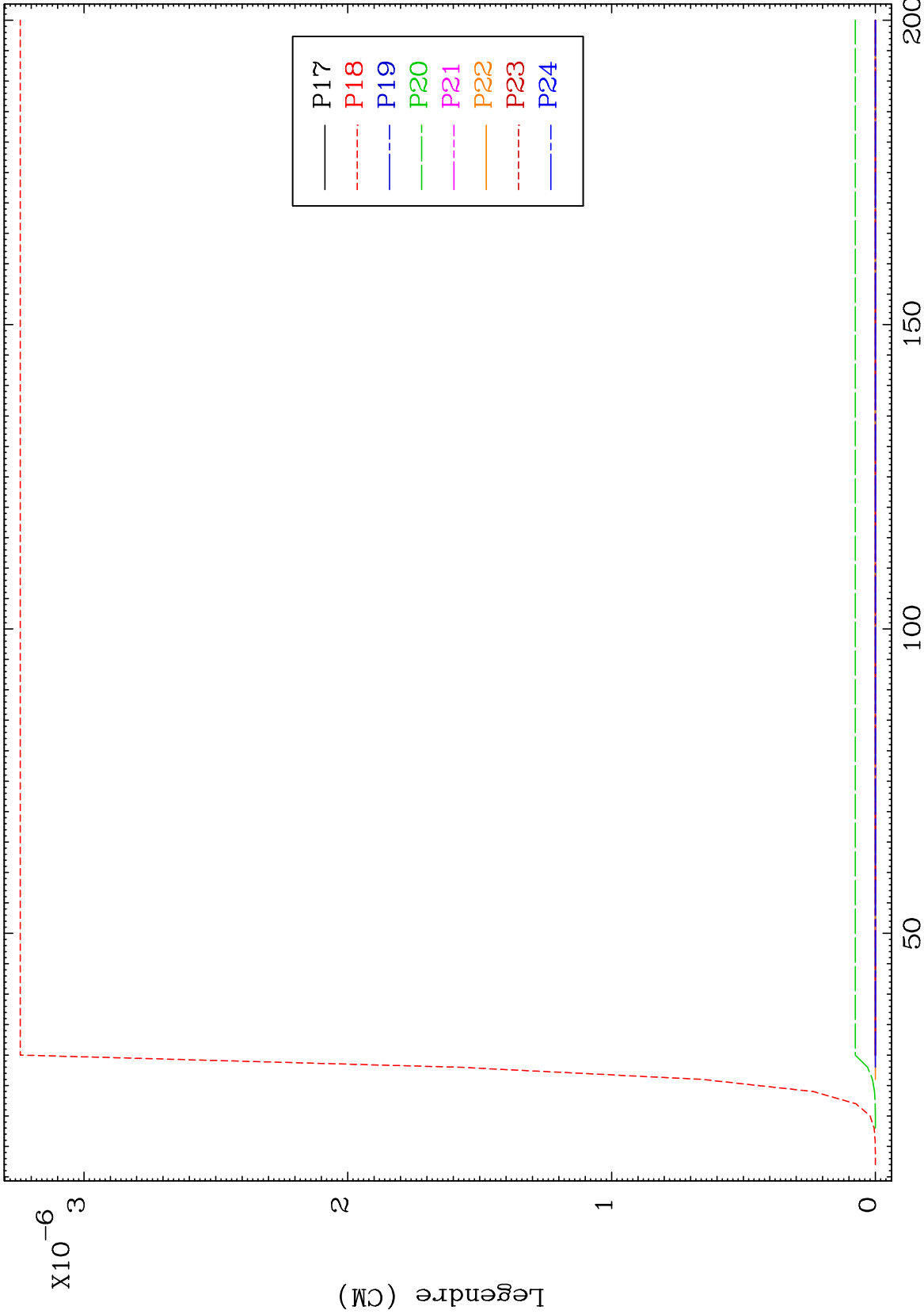
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



91

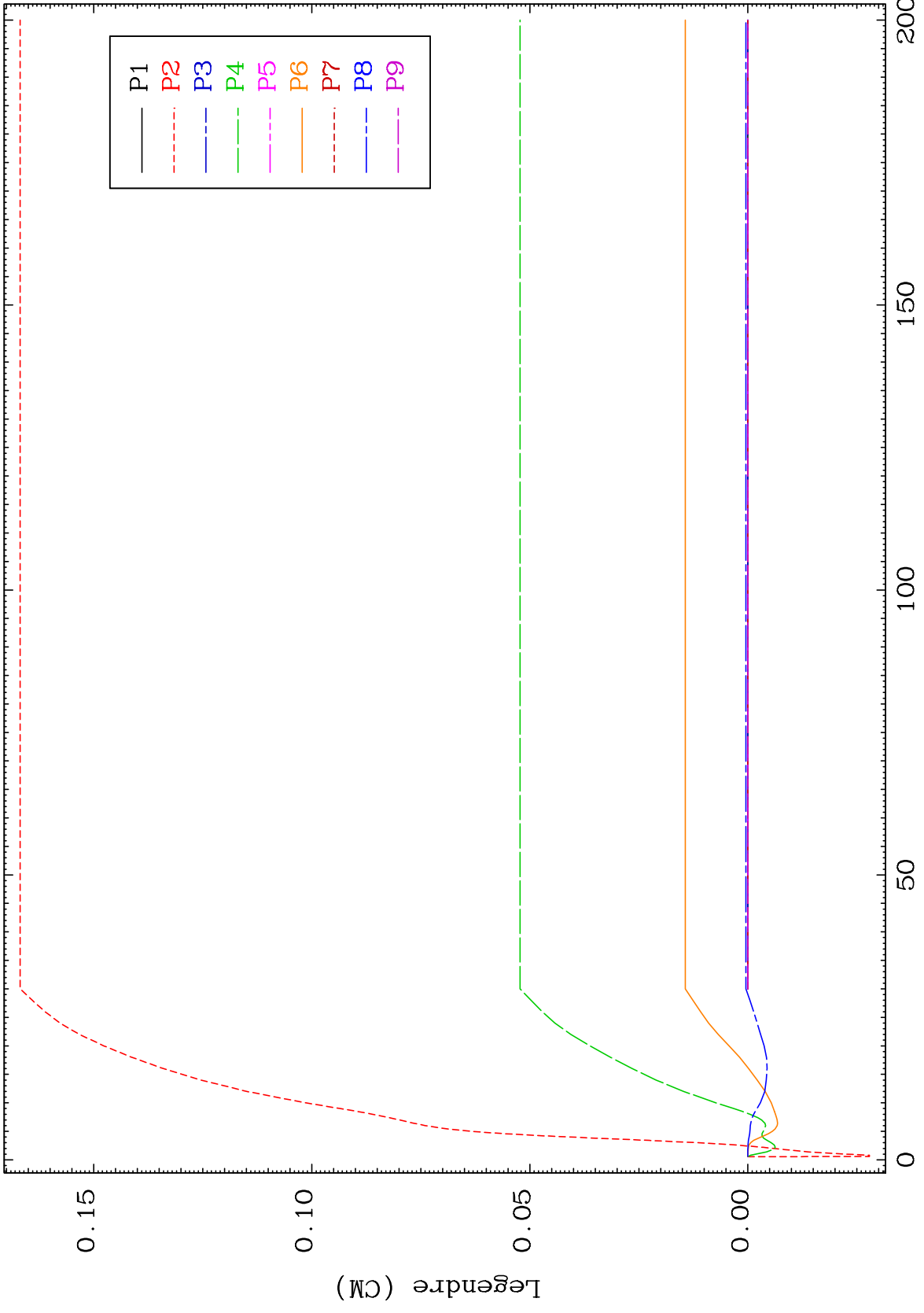
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



92

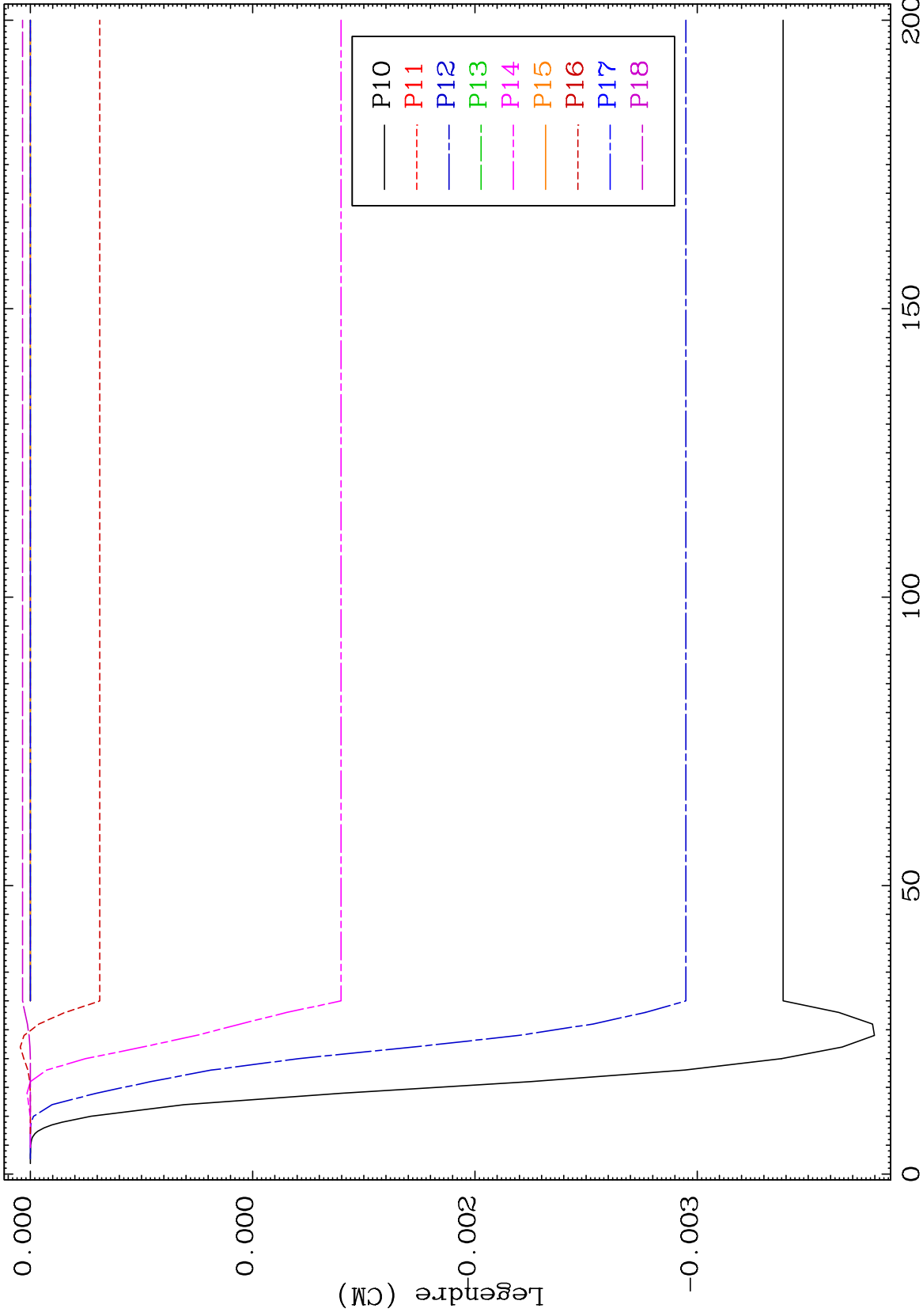
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



93

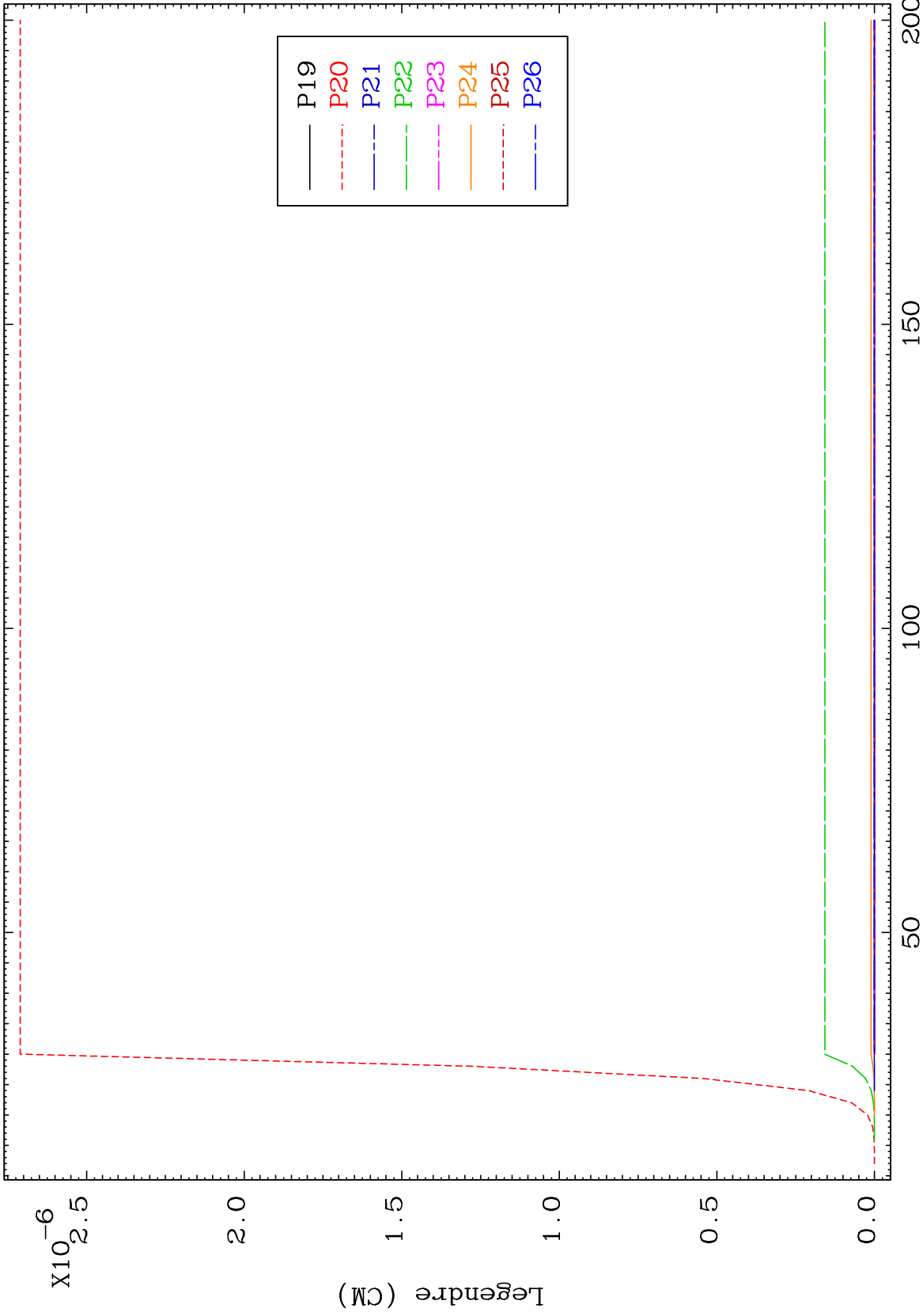
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



94

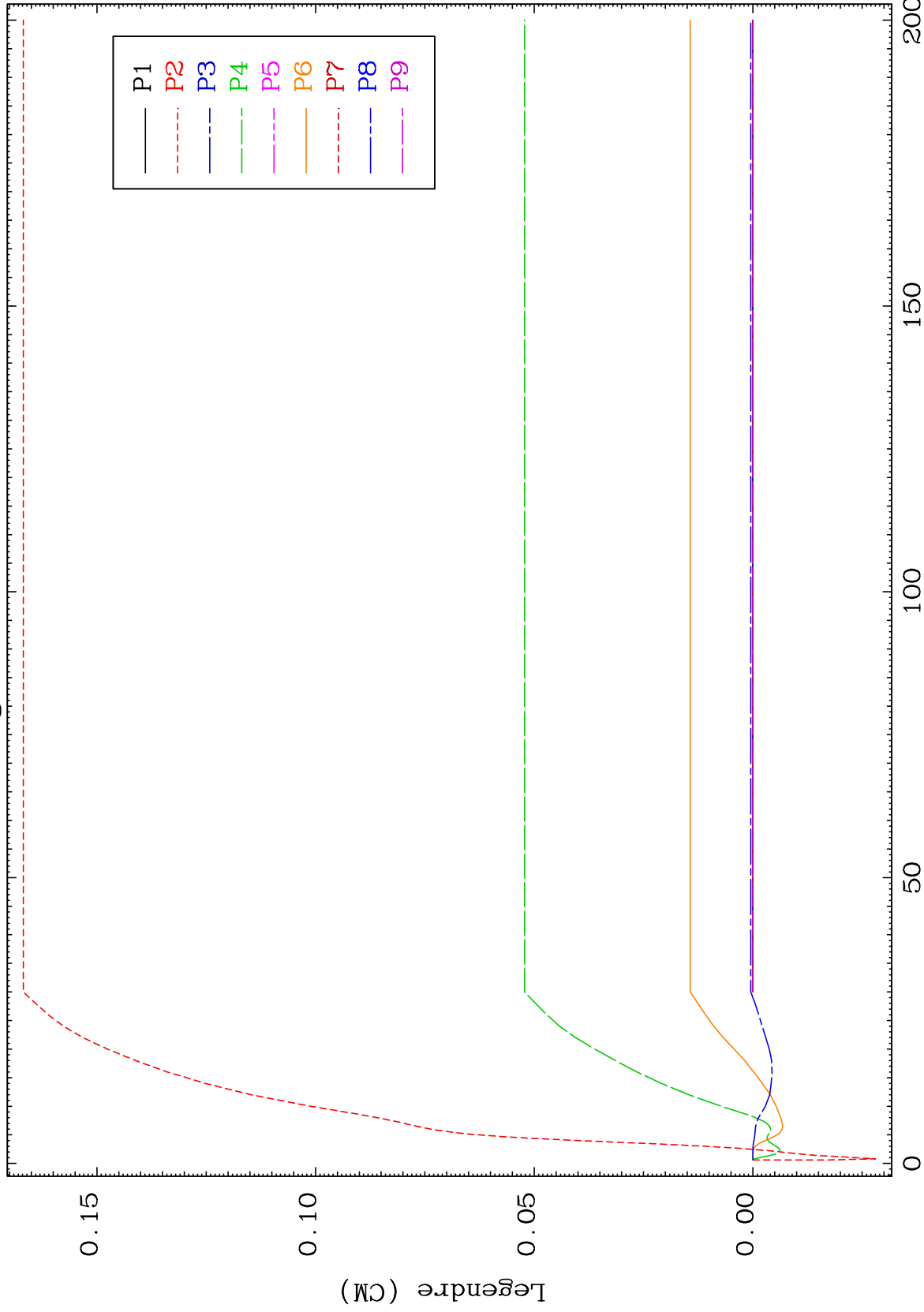
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



95

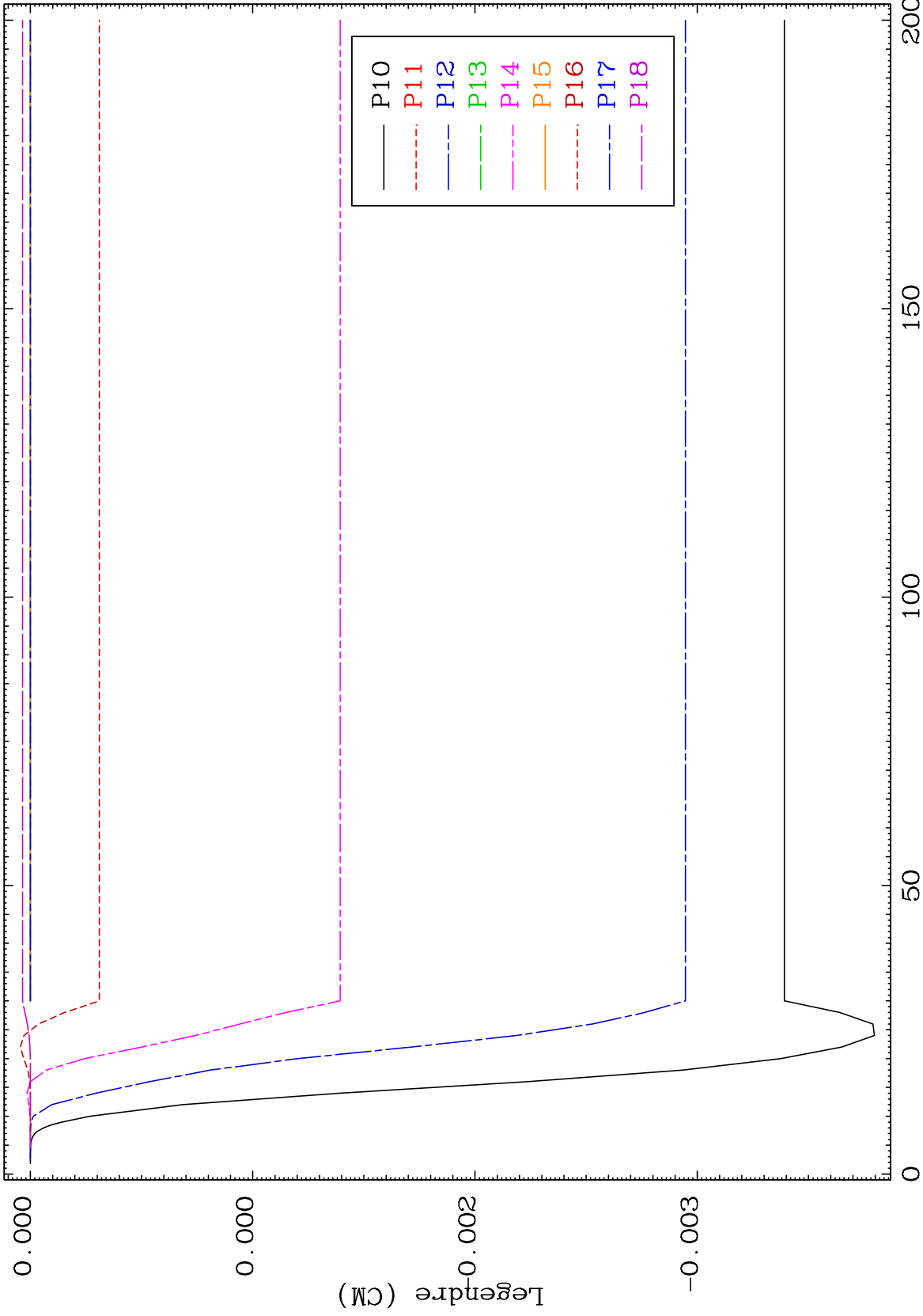
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



96

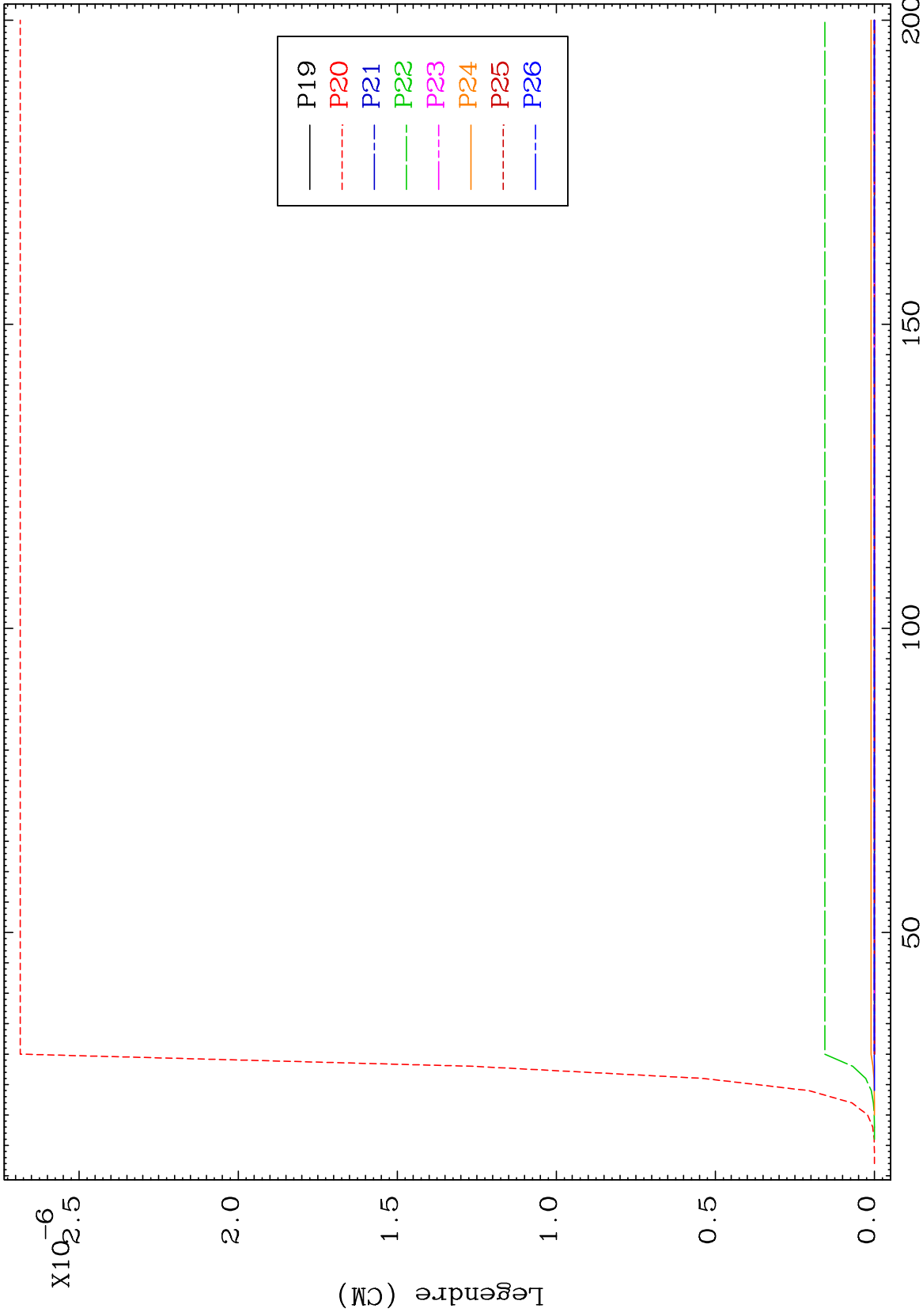
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



97

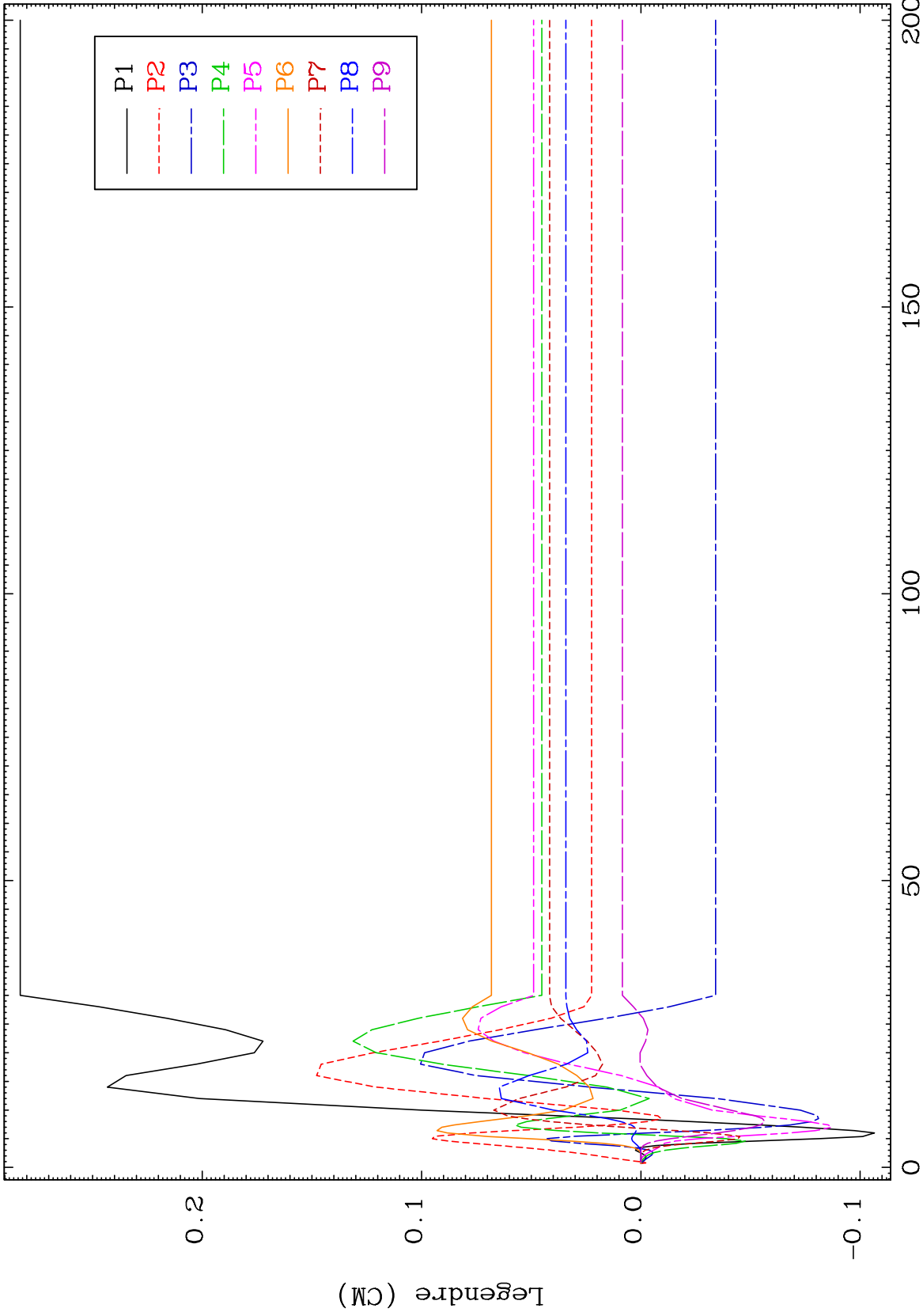
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



98

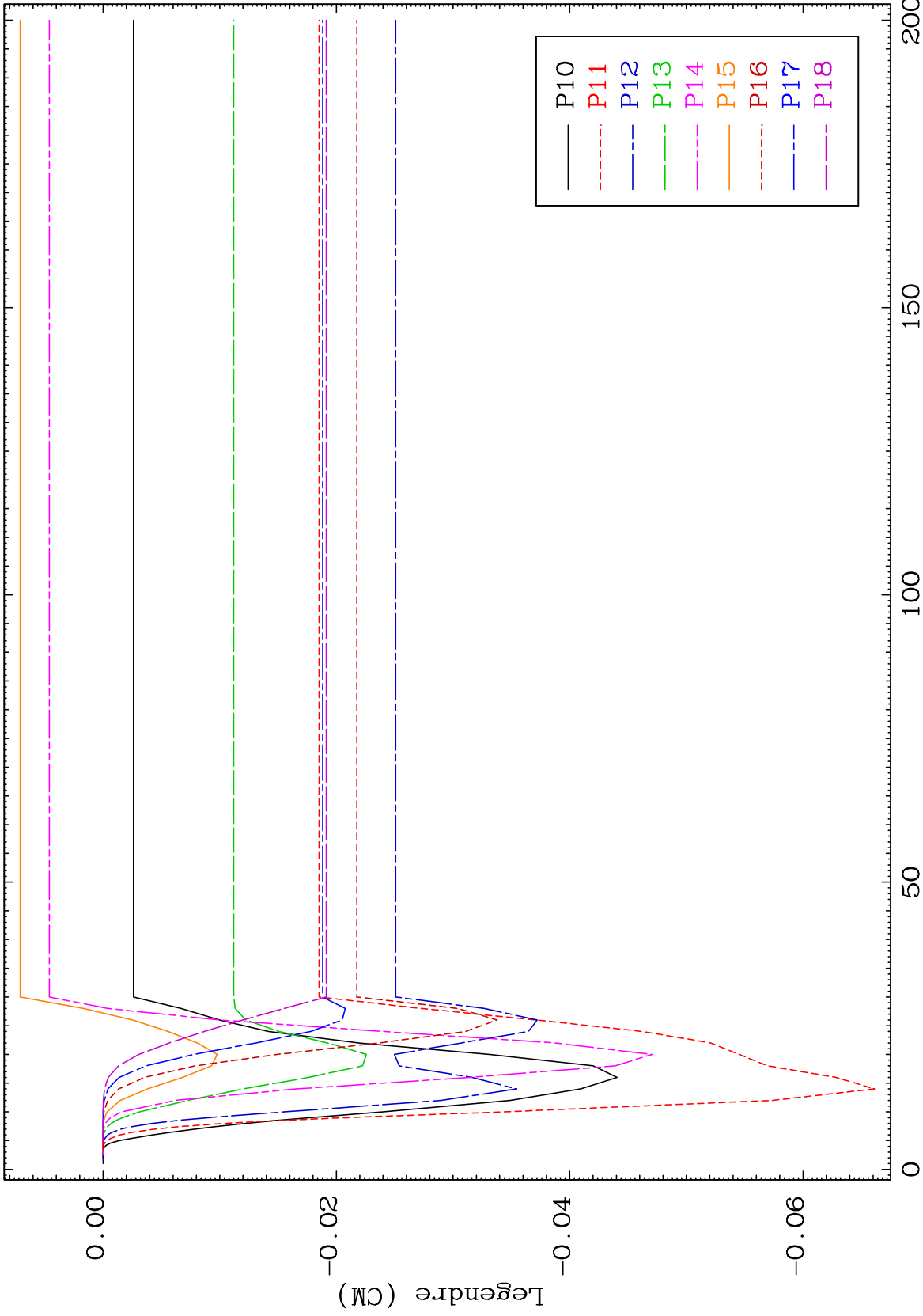
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120

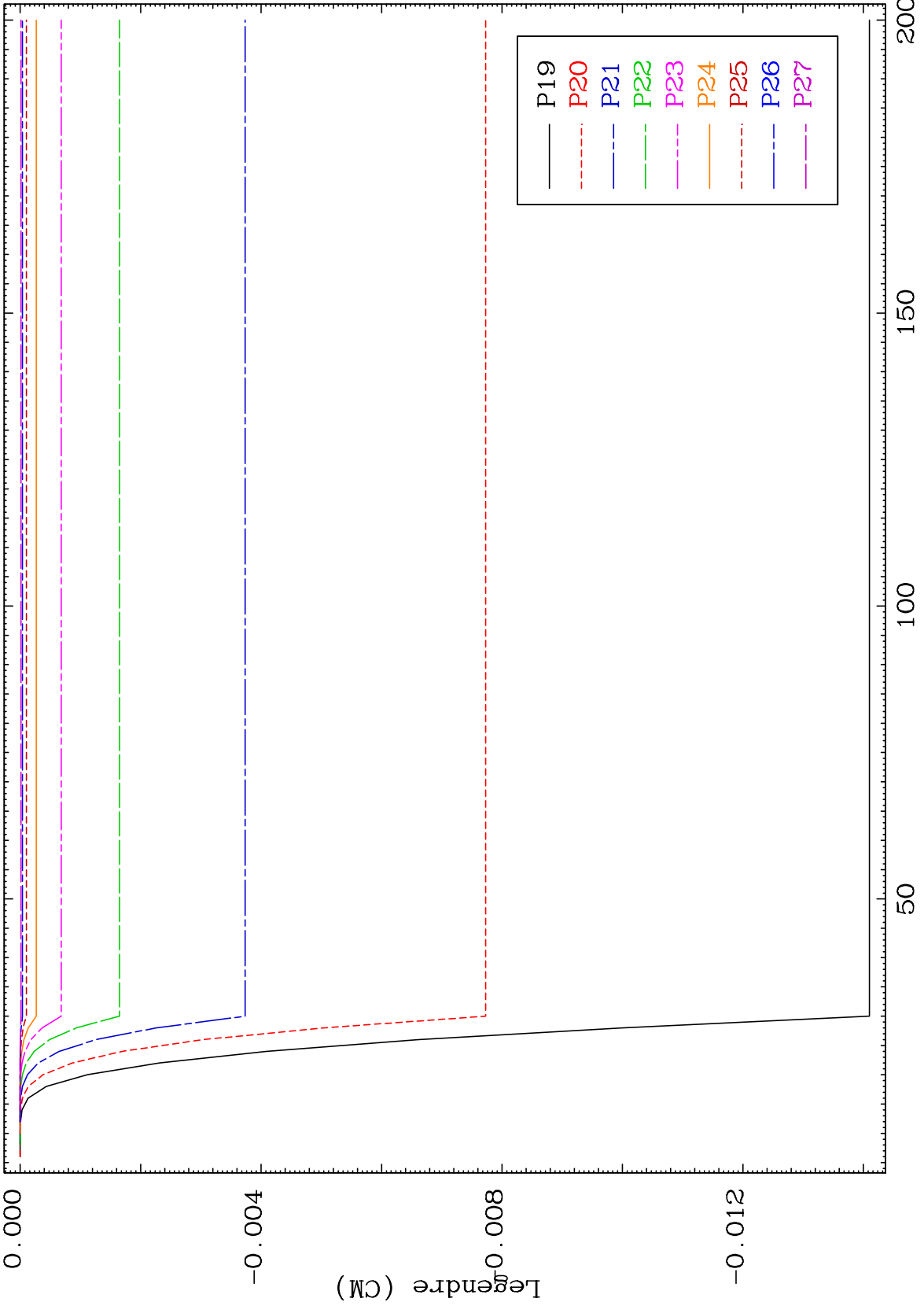


99

Incident Energy (MeV)

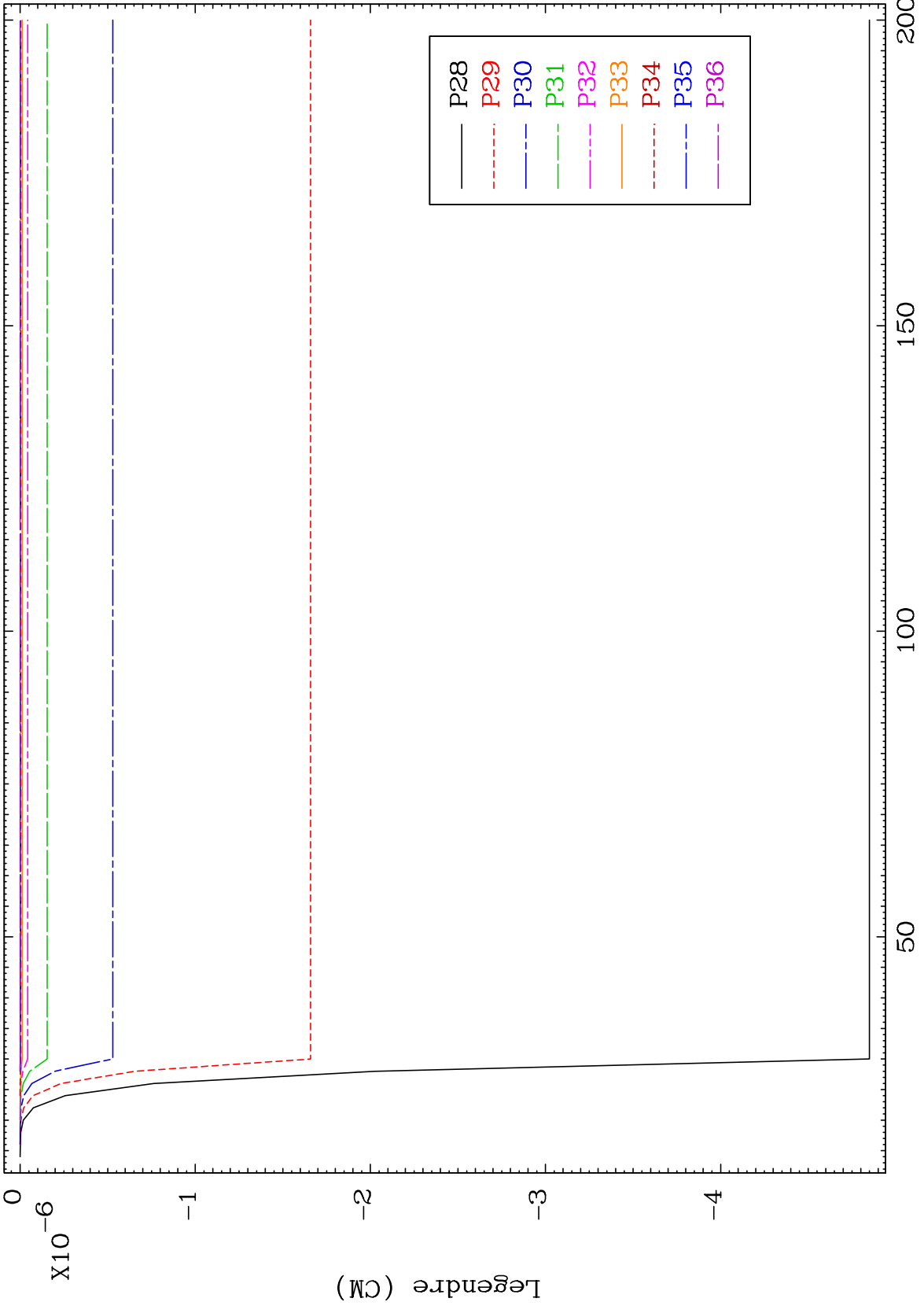
53-I -120

MAT 5304 MT= 75 (n,n') Level Legendre Coefficients 53-I -120



100 Incident Energy (MeV) 53-I -120

MAT 5304 MT= 75 (n,n') Level Legendre Coefficients 53-I -120

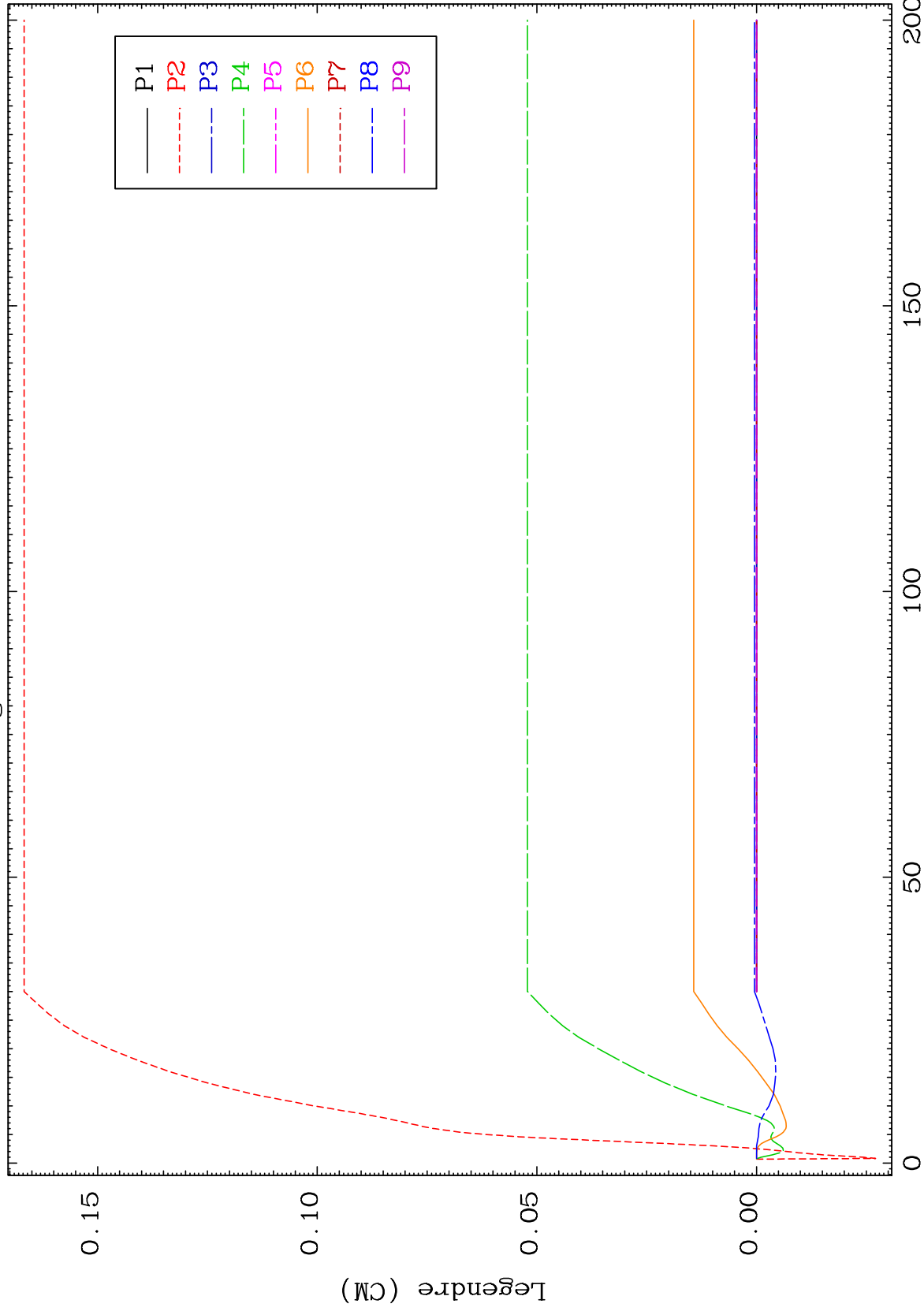


101 53-I -120

MAT 5304

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

53-I -120



102

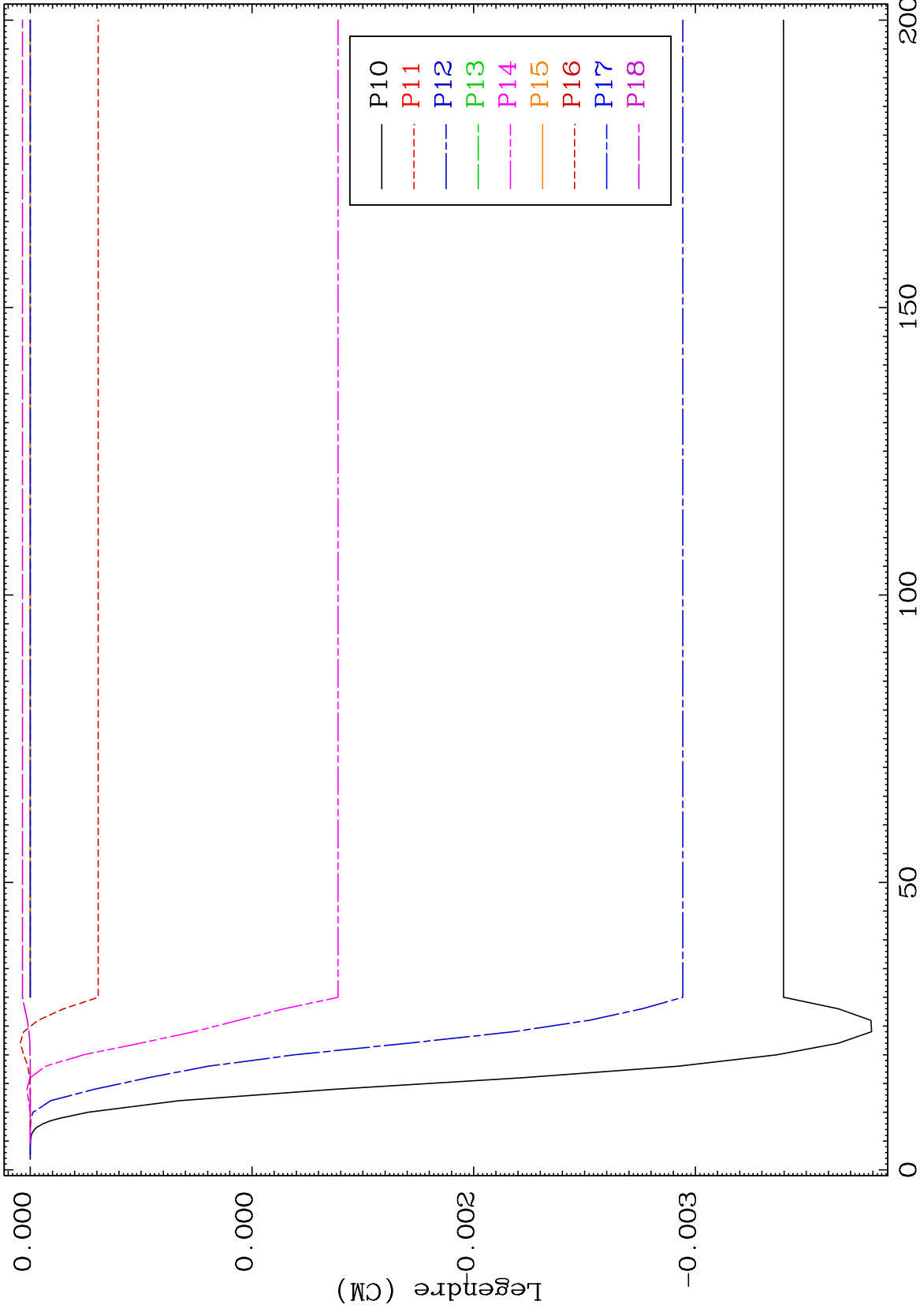
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



103

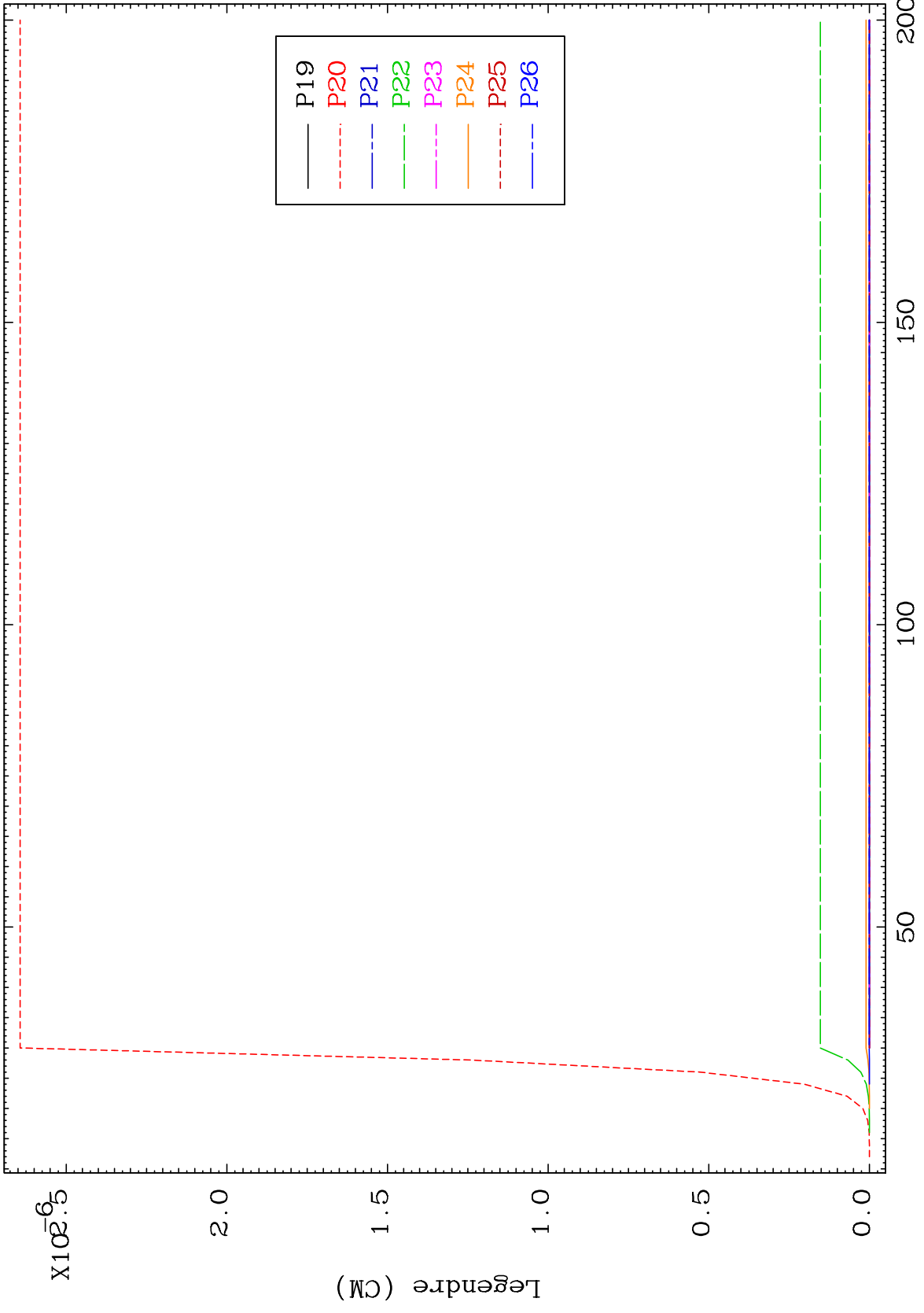
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



104

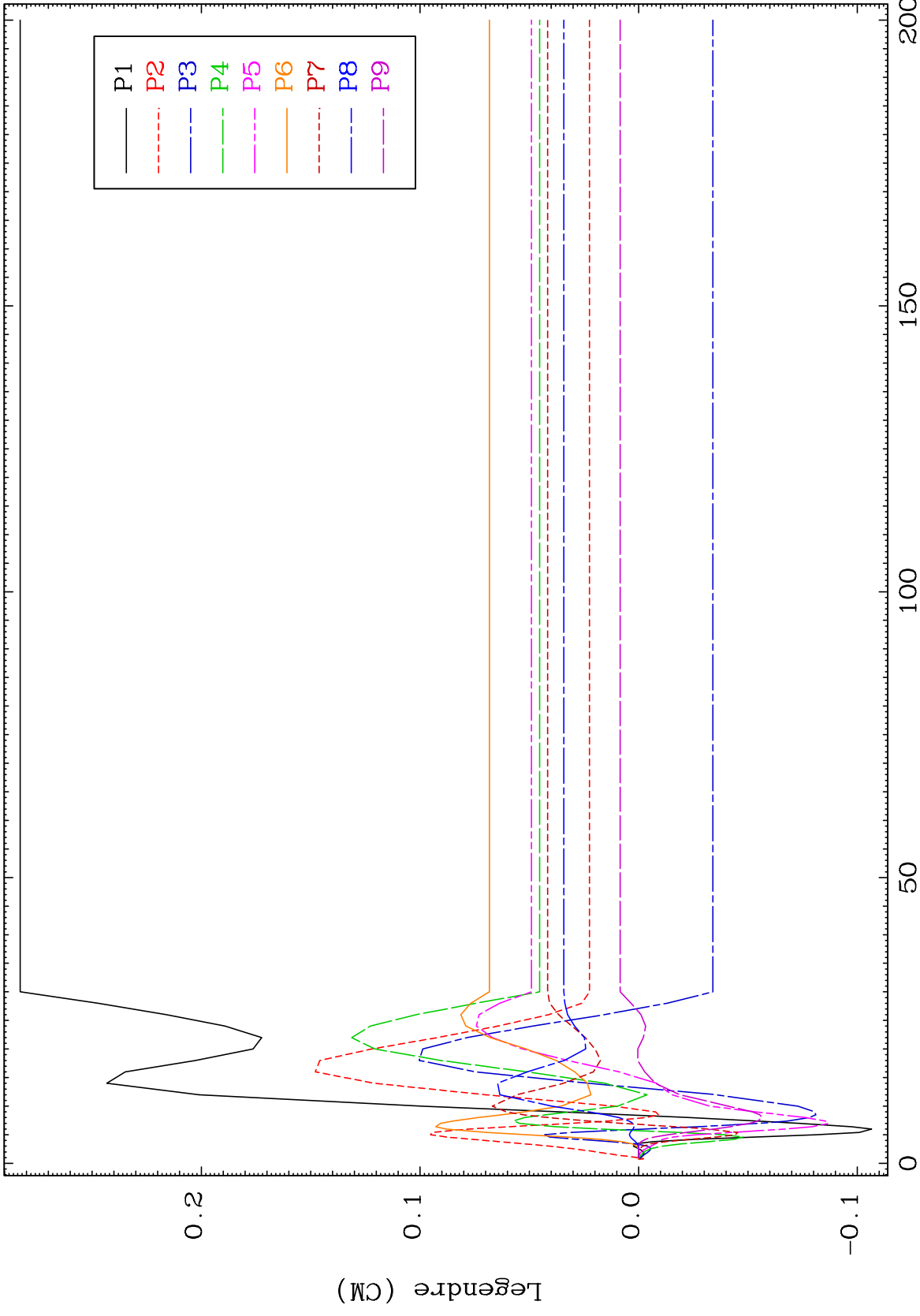
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



105

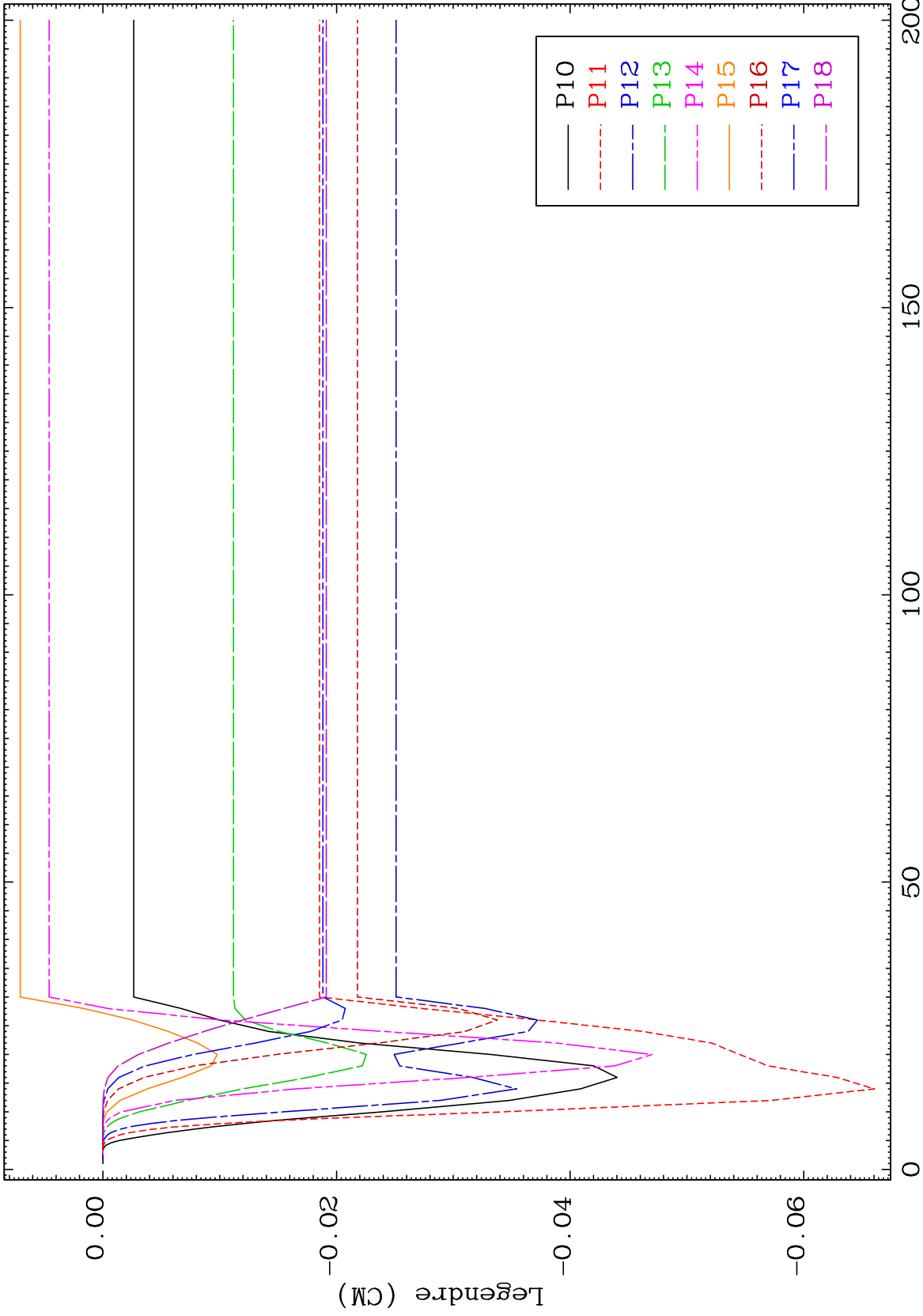
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120

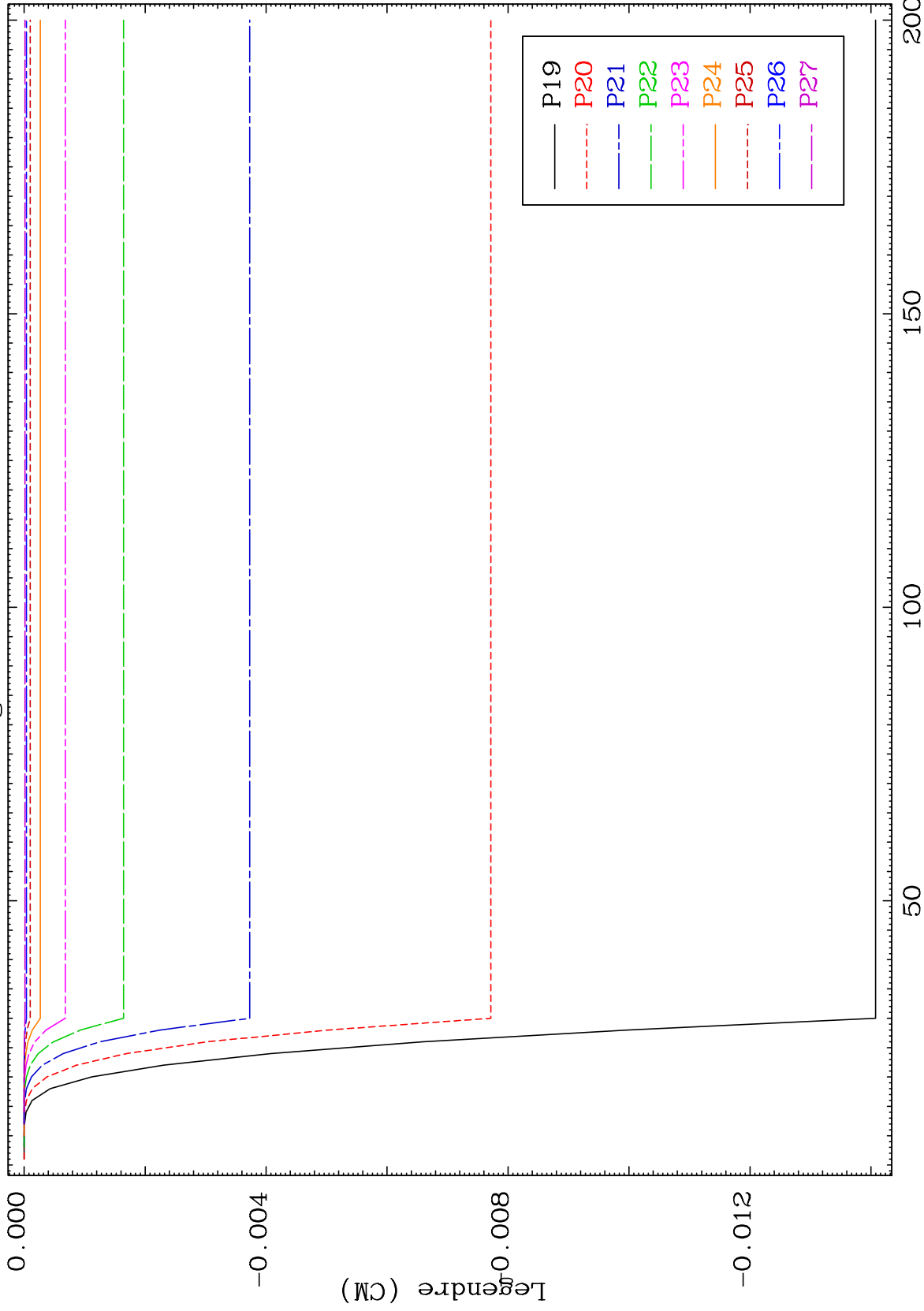


106

Incident Energy (MeV)

53-I -120

MAT 5304 MT= 77 (n,n') Level Legendre Coefficients 53-I -120

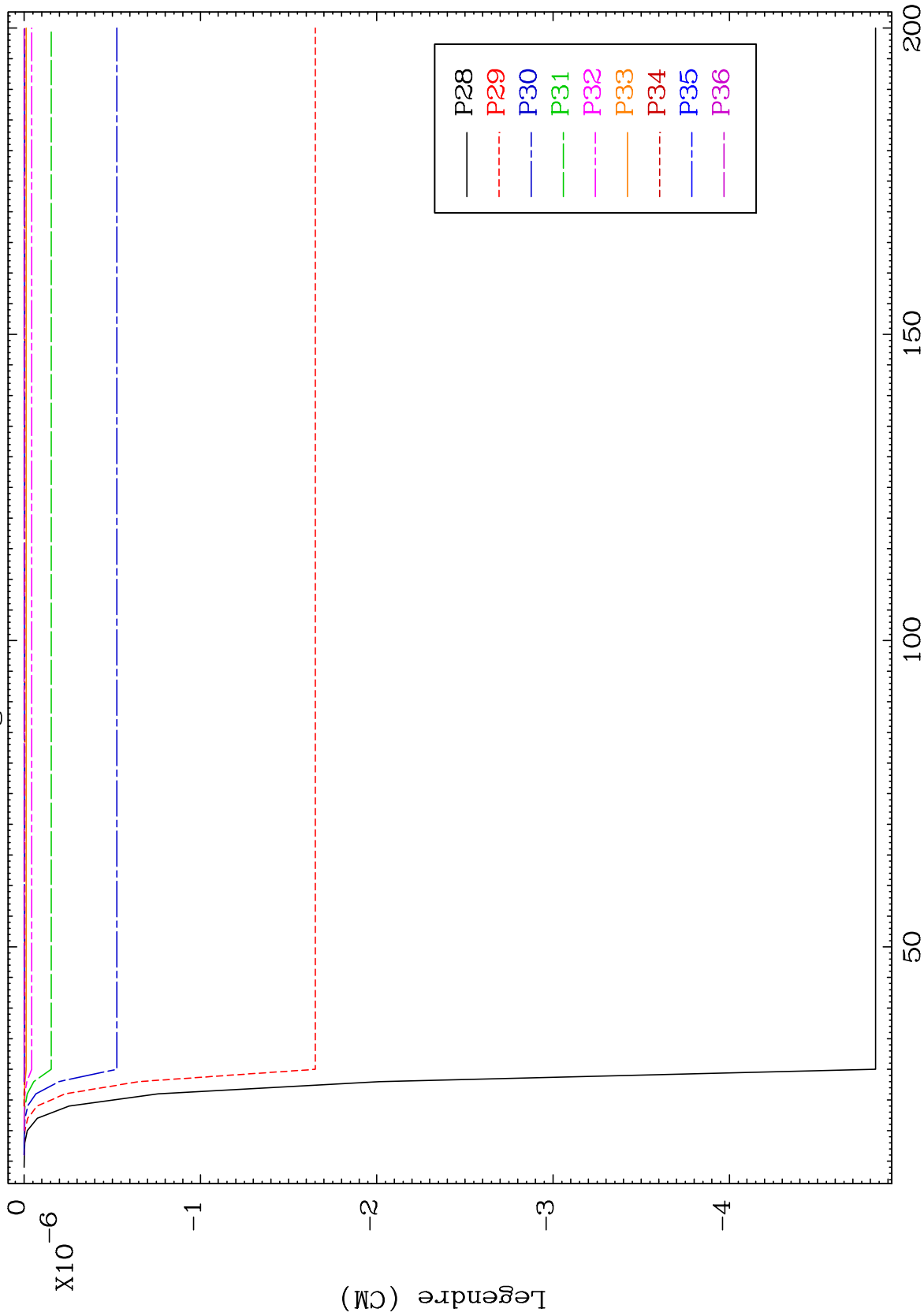


107 53-I -120

MAT 5304

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

53-I -120



108

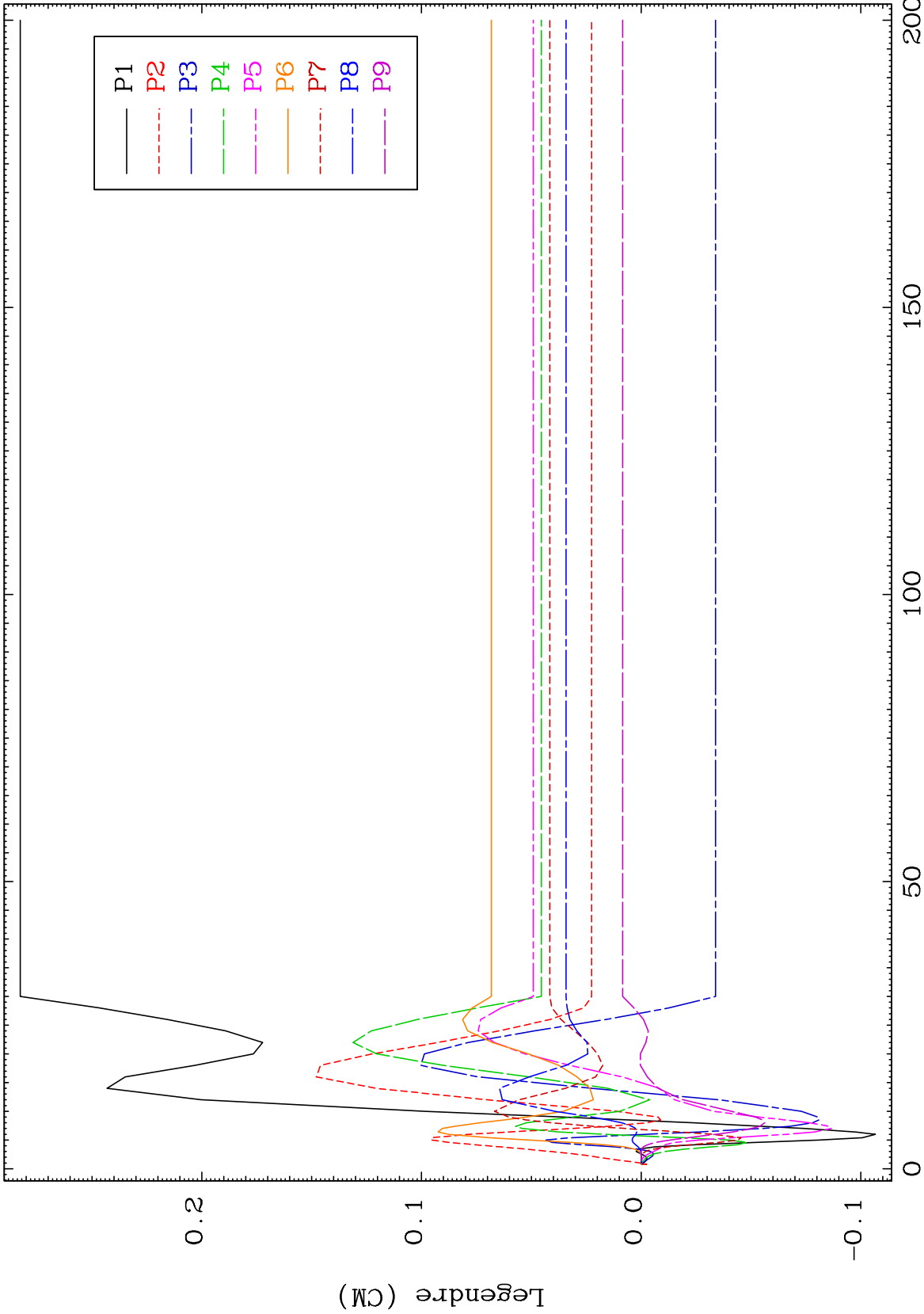
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



109

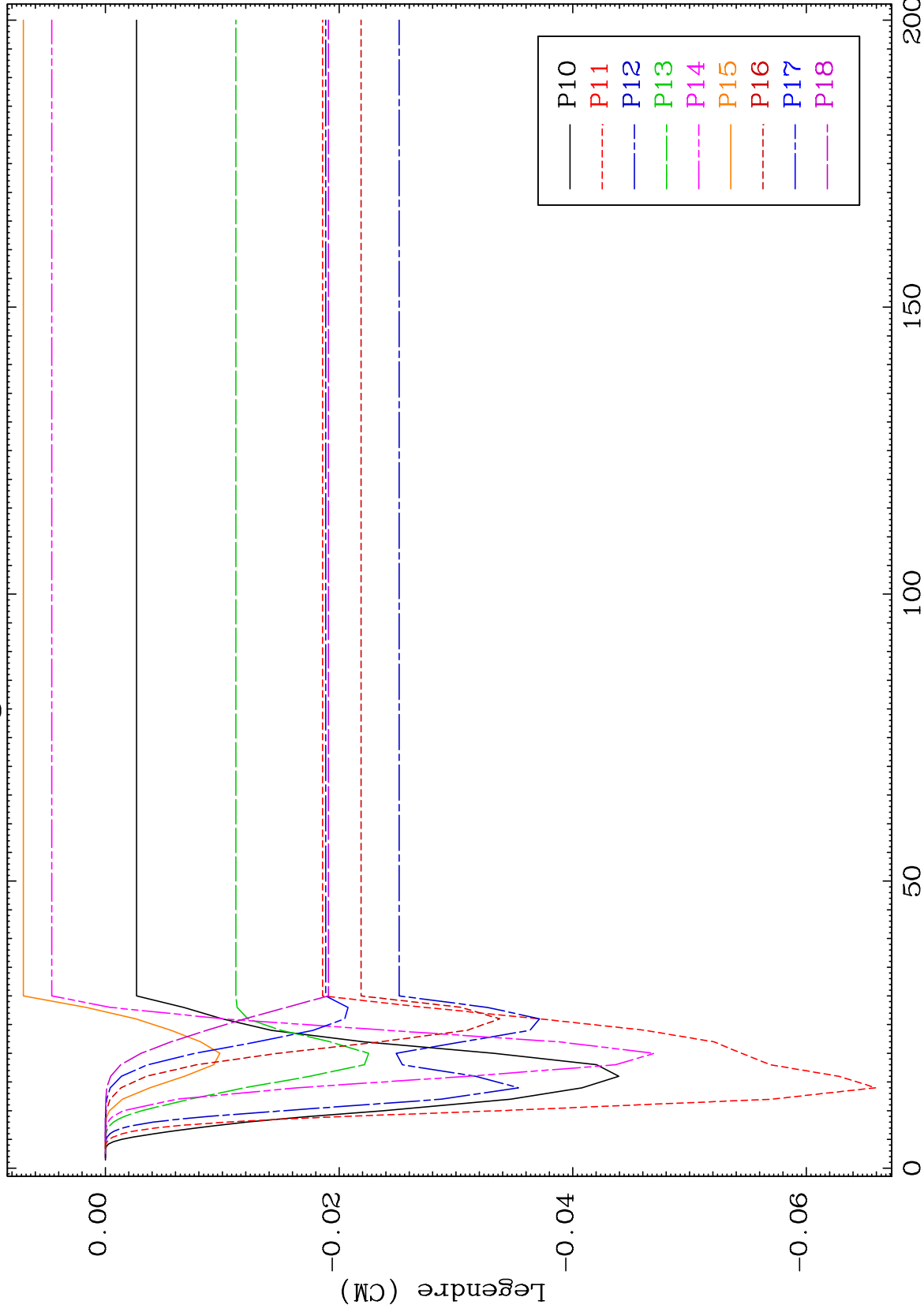
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120

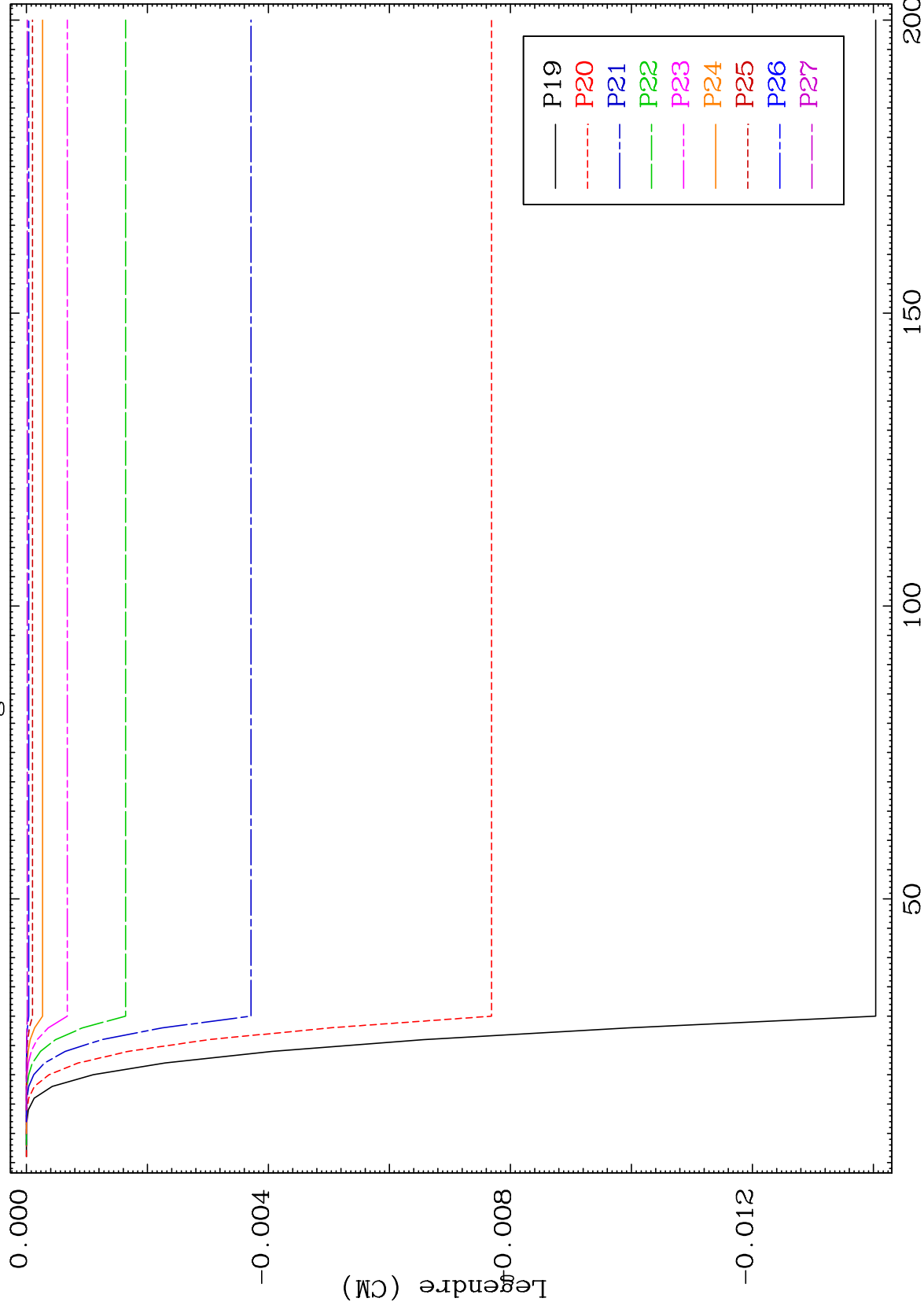


110

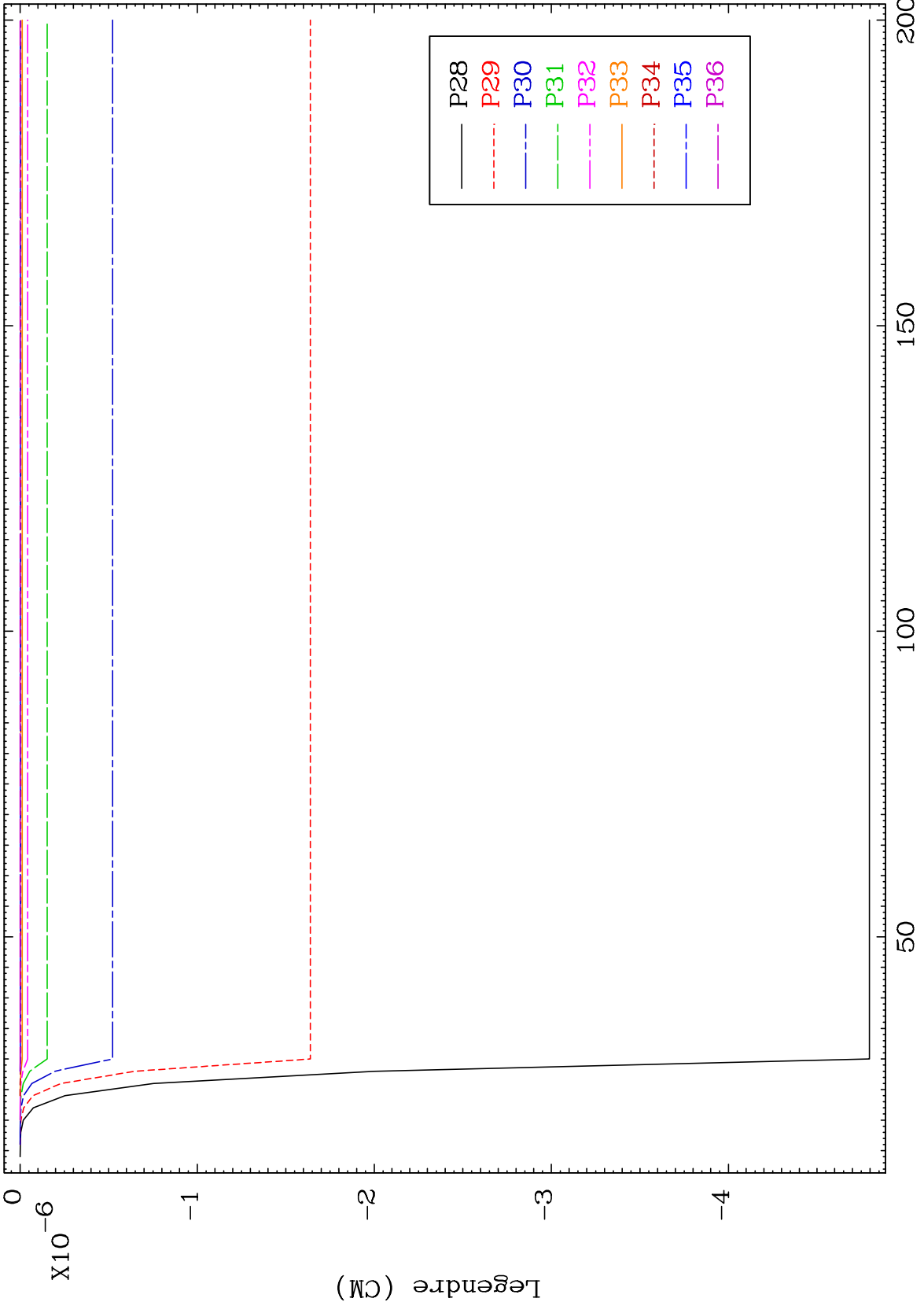
Incident Energy (MeV)

53-I -120

MAT 5304 MT= 78 (n,n') Level Legendre Coefficients 53-I -120



MAT 5304 MT= 78 (n,n') Level Legendre Coefficients 53-I -120

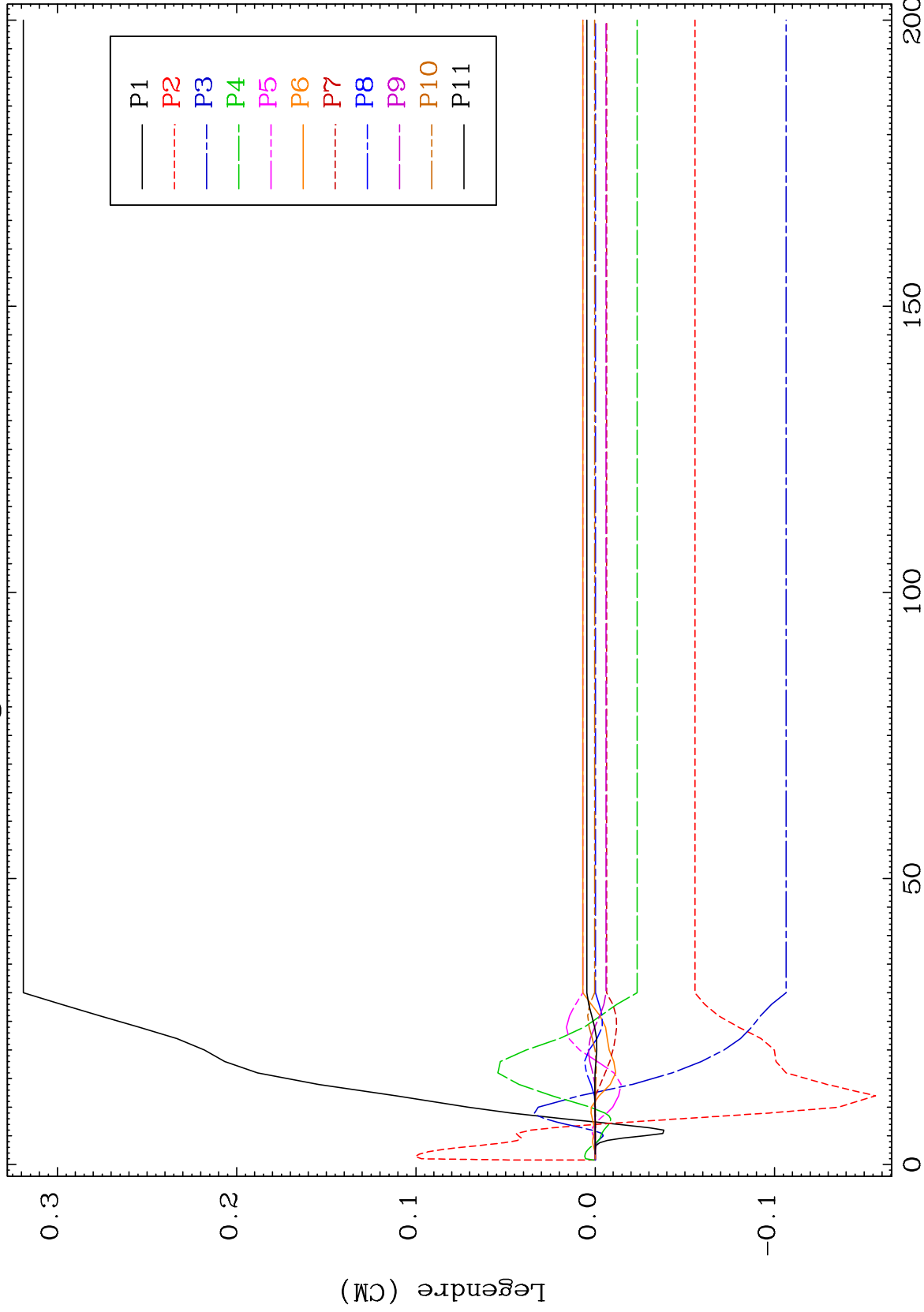


112 Incident Energy (MeV) 53-I -120

MAT 5304

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

53-I -120



113

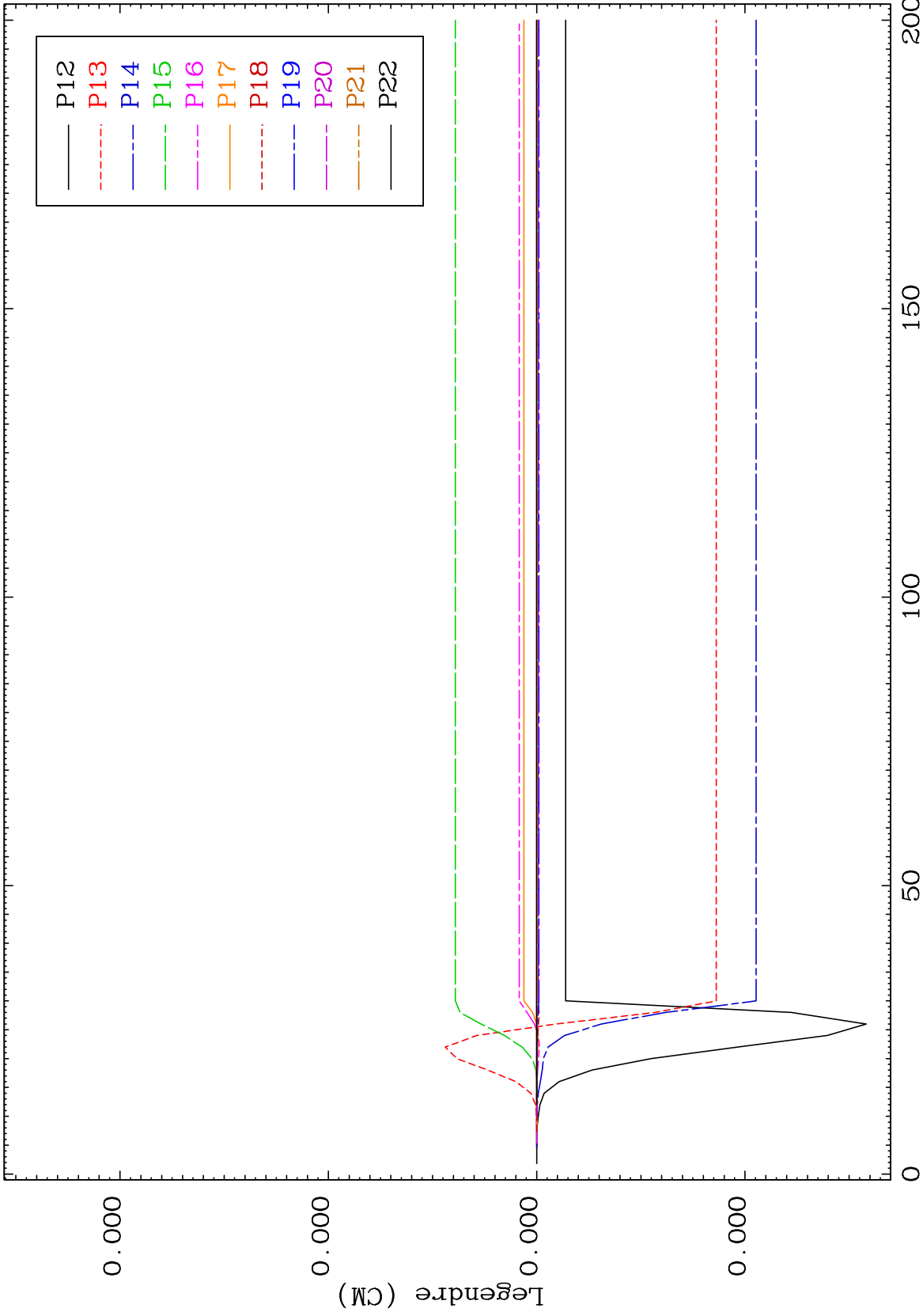
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



114

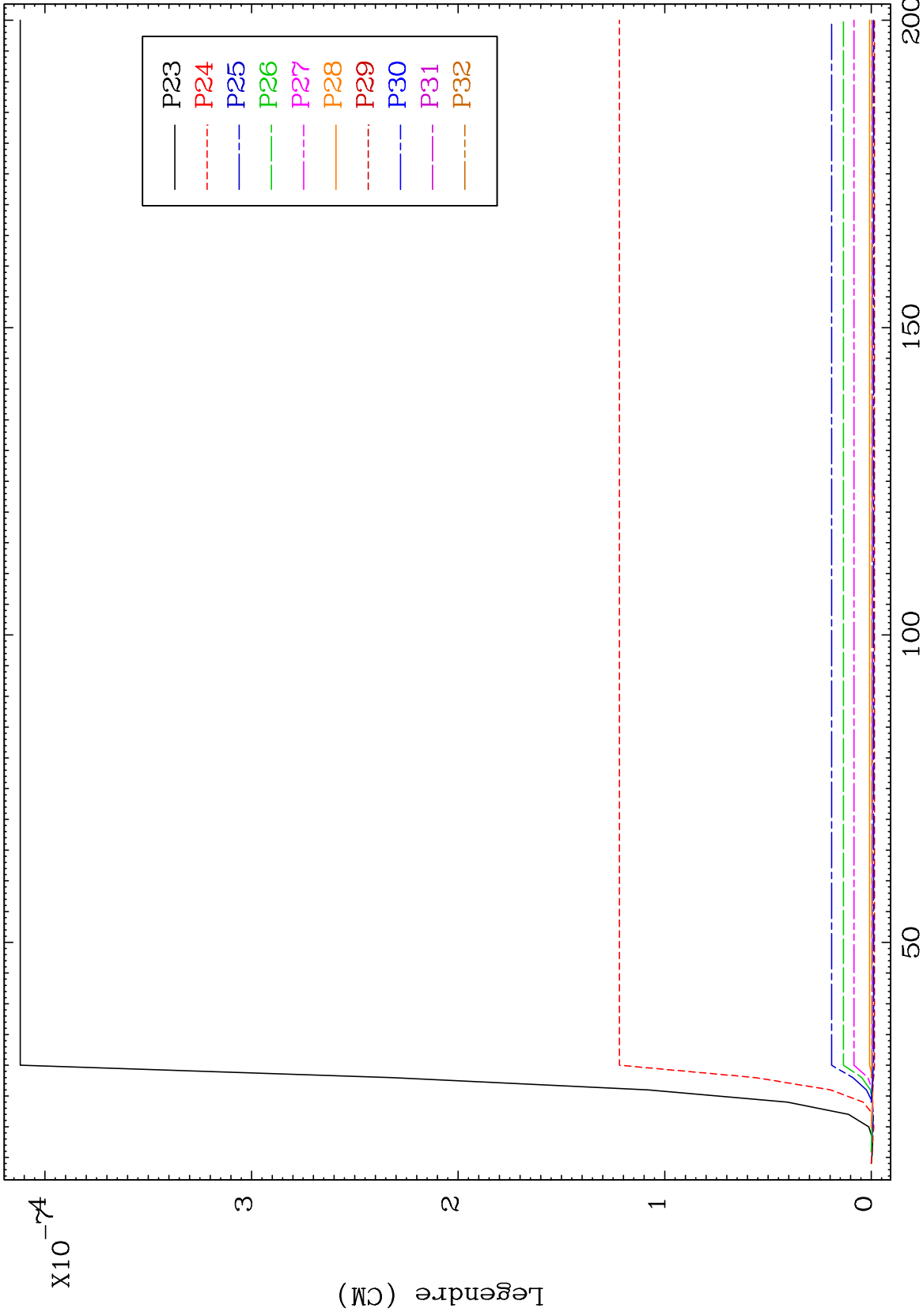
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



115

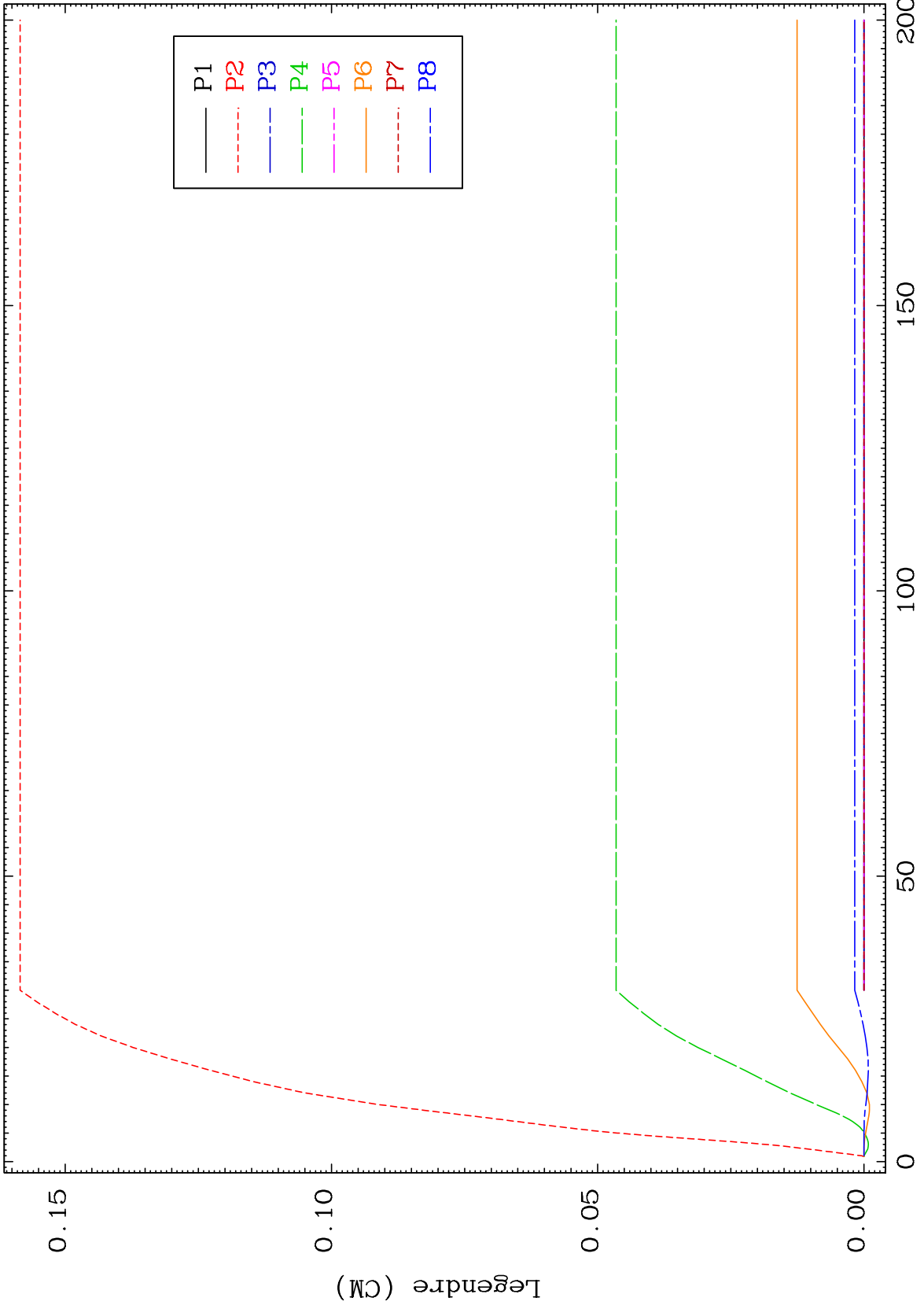
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120

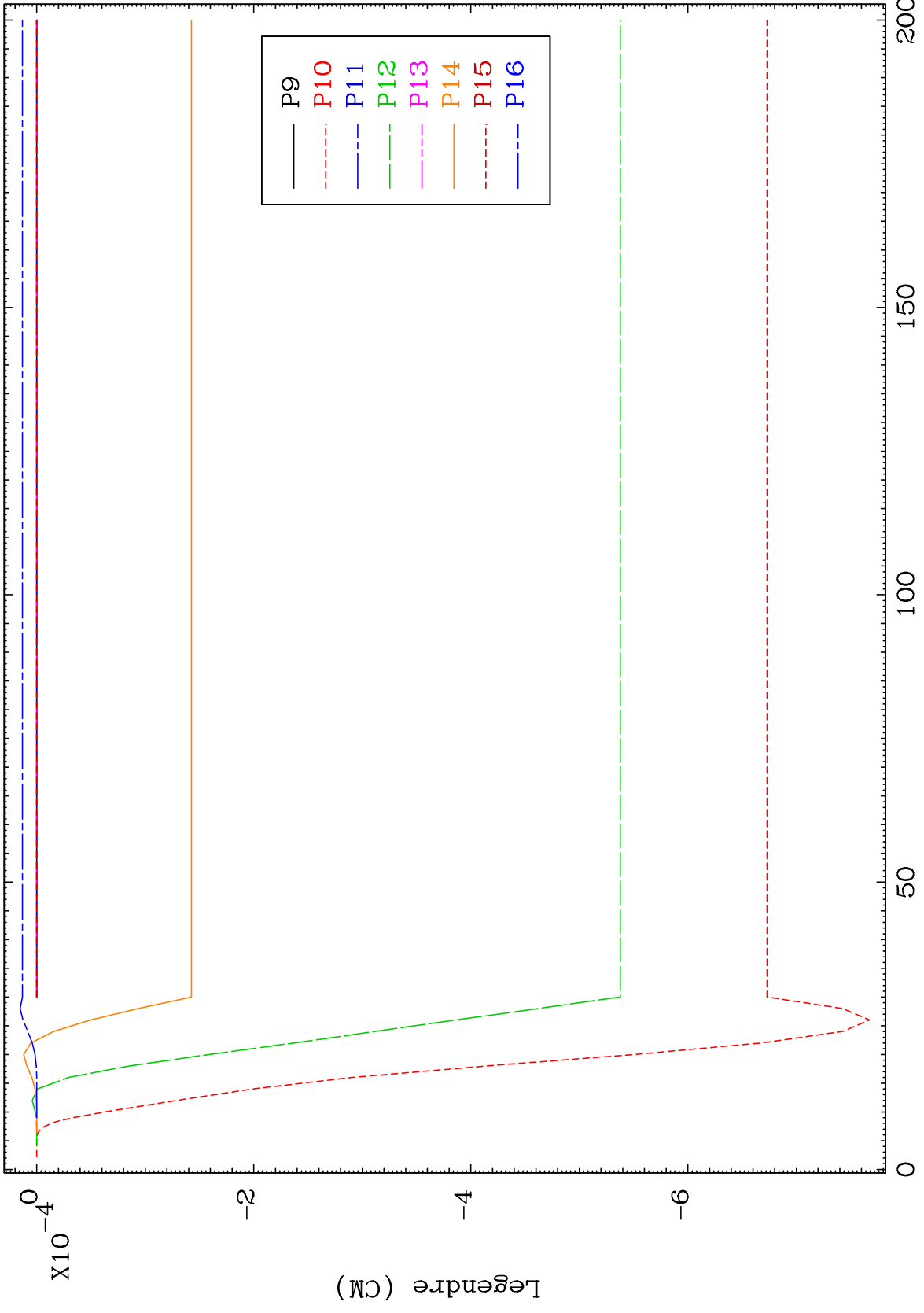


116

Incident Energy (MeV)

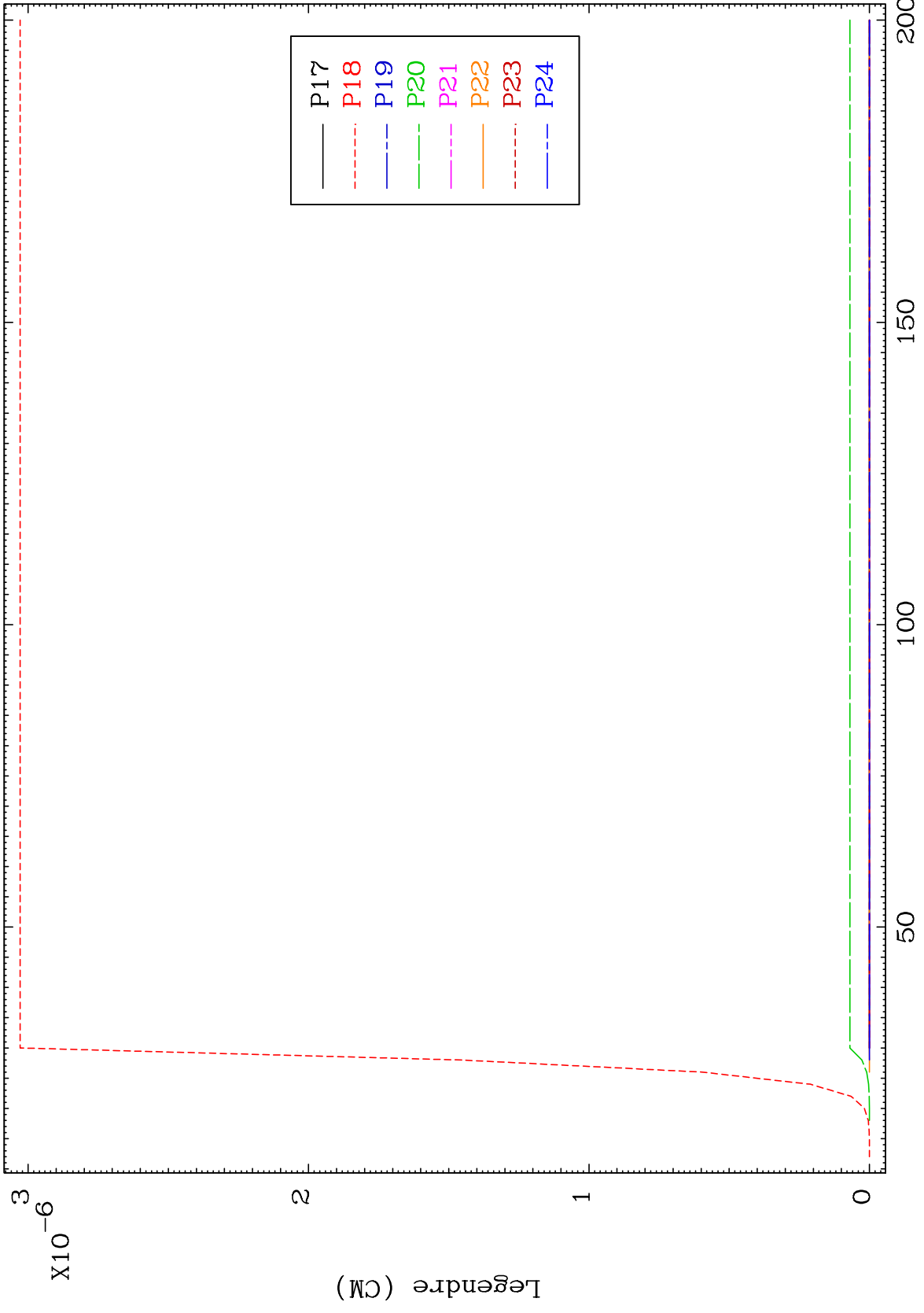
53-I -120

MAT 5304 MT= 80 (n,n') Level Legendre Coefficients 53-I -120



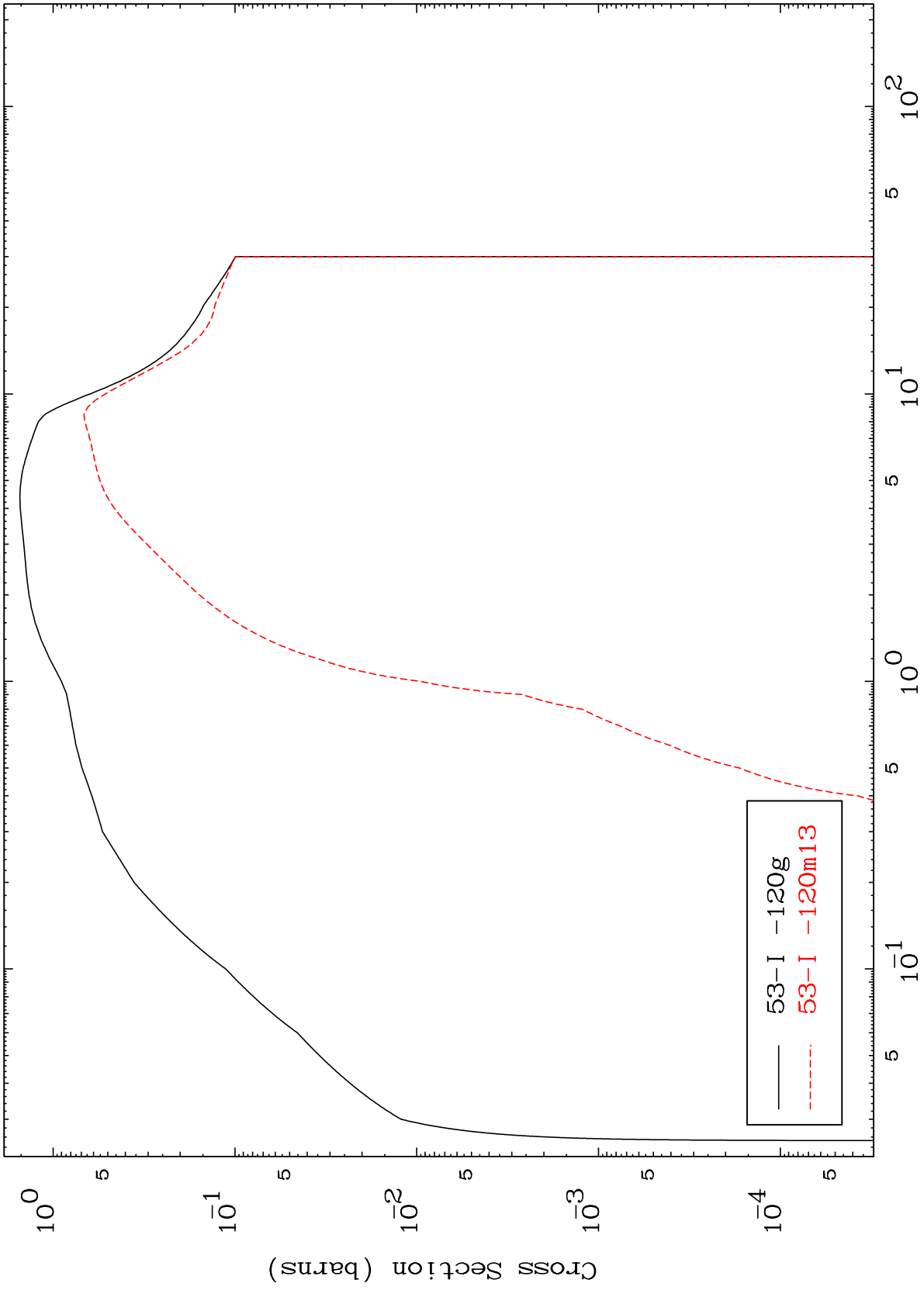
117 53-I -120

MAT 5304 MT= 80 (n,n') Level Legendre Coefficients 53-I -120



118 53-I -120

Inelastic
Radionuclide Production Cross Section

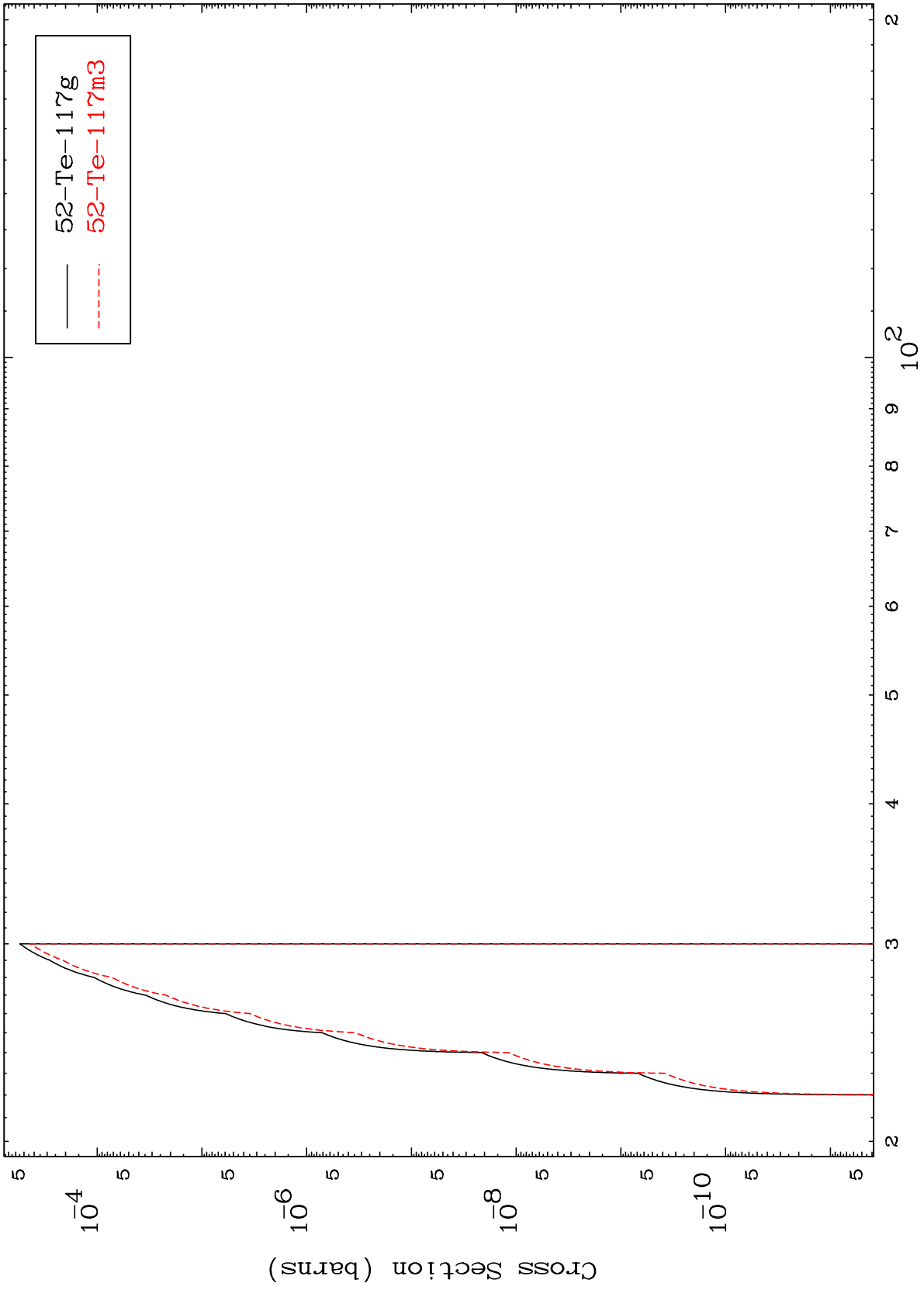


MAT 5304

(n,2n) d

53-I -120

Radionuclide Production Cross Section



120

Incident Energy (MeV)

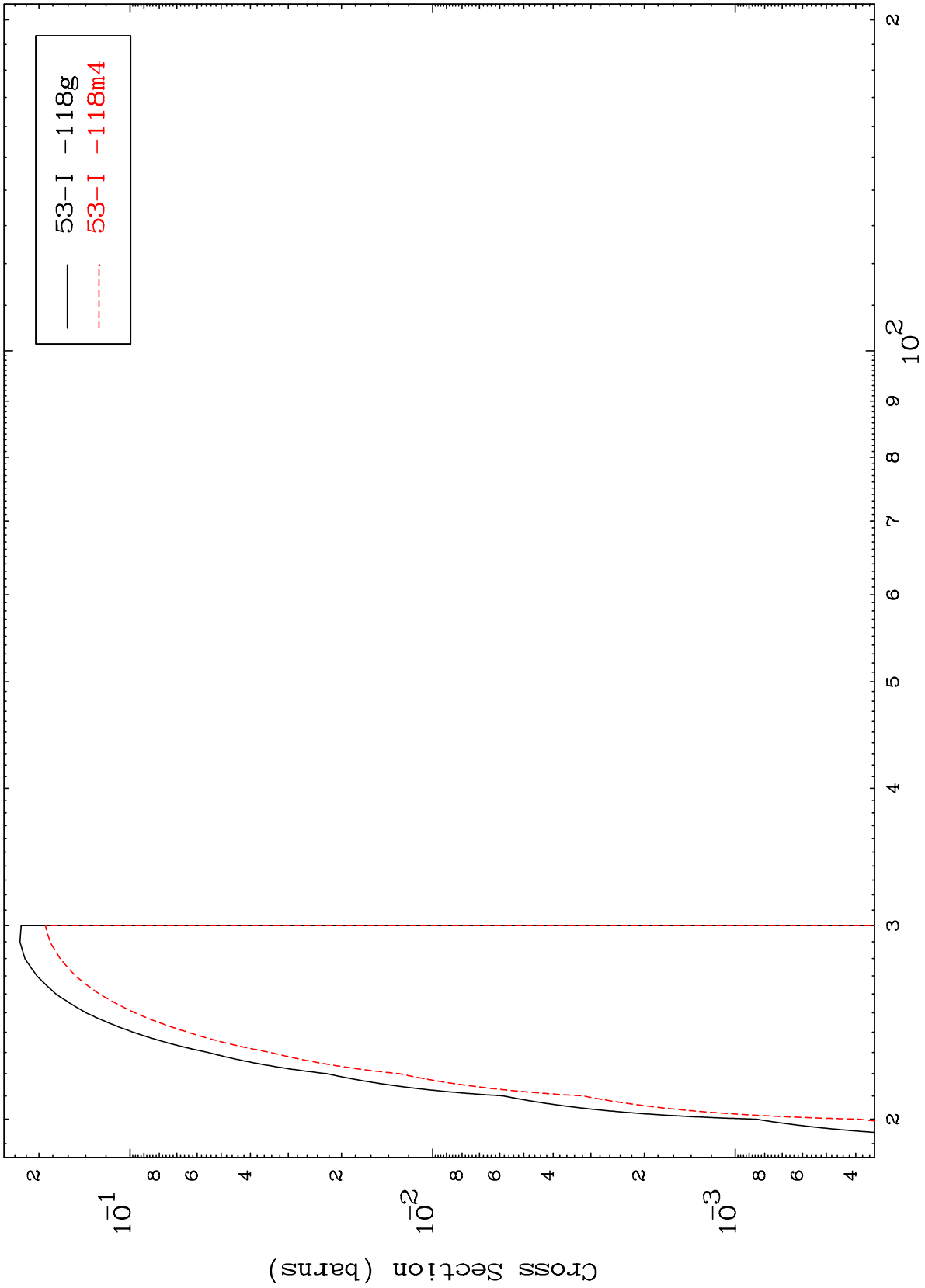
53-I -120

MAT 5304

(n,3n)

53-I -120

Radionuclide Production Cross Section



53-I -118g
53-I -118m4

121

Incident Energy (MeV)

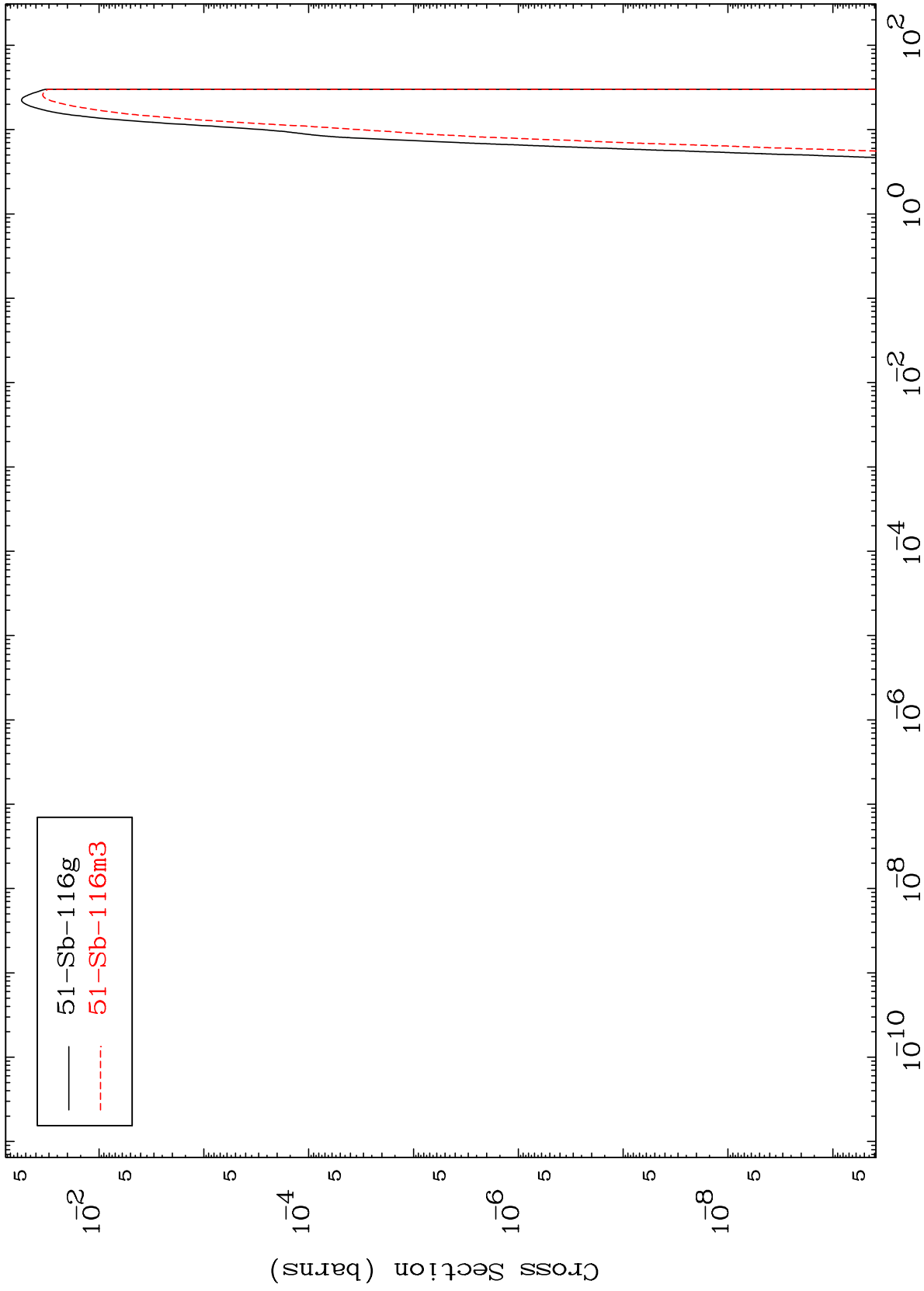
53-I -120

MAT 5304

(n,n') α

53-I -120

Radionuclide Production Cross Section



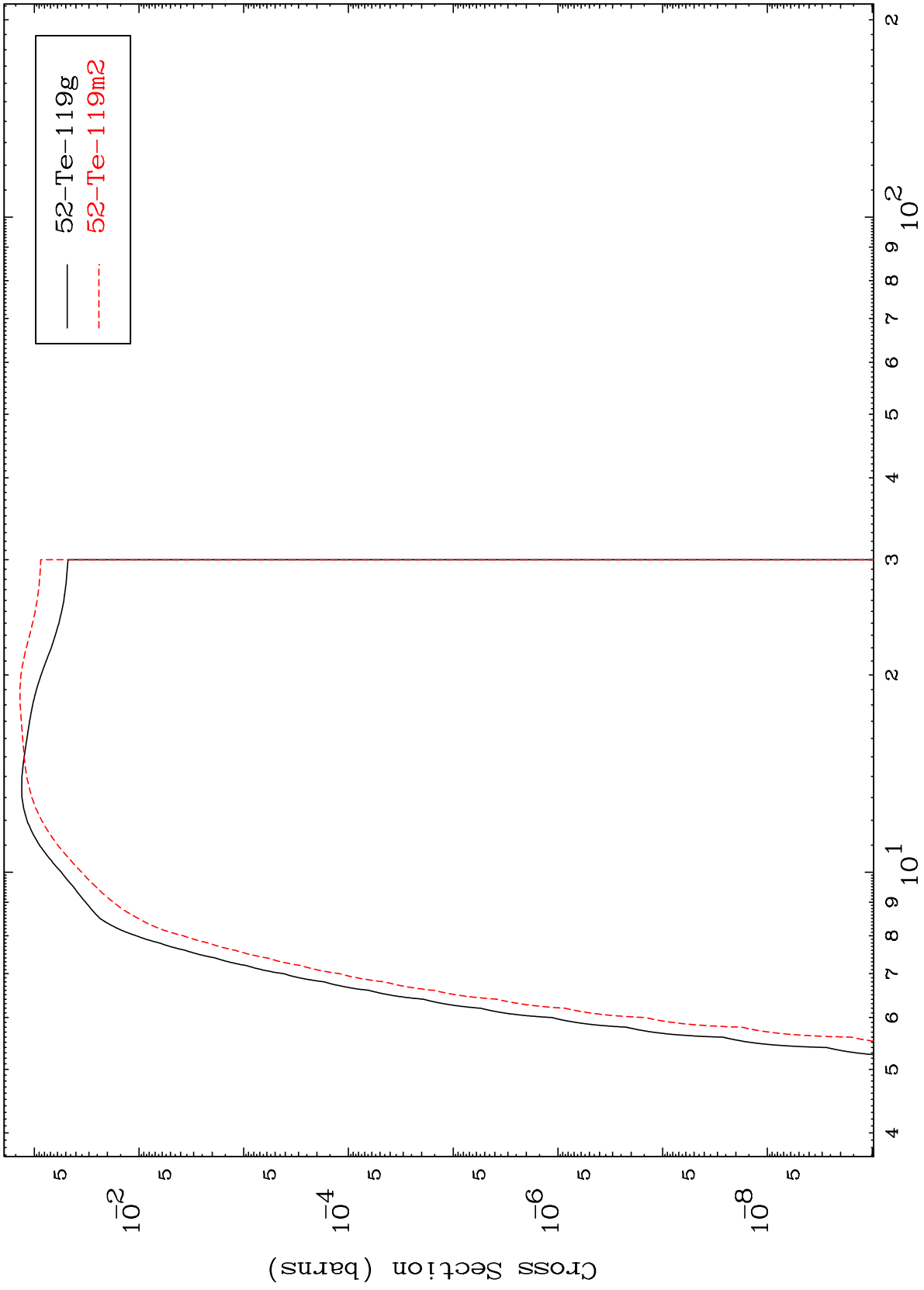
51-Sb-116g
51-Sb-116m3

MAT 5304

(n,n') p

53-I -120

Radionuclide Production Cross Section



123

Incident Energy (MeV)

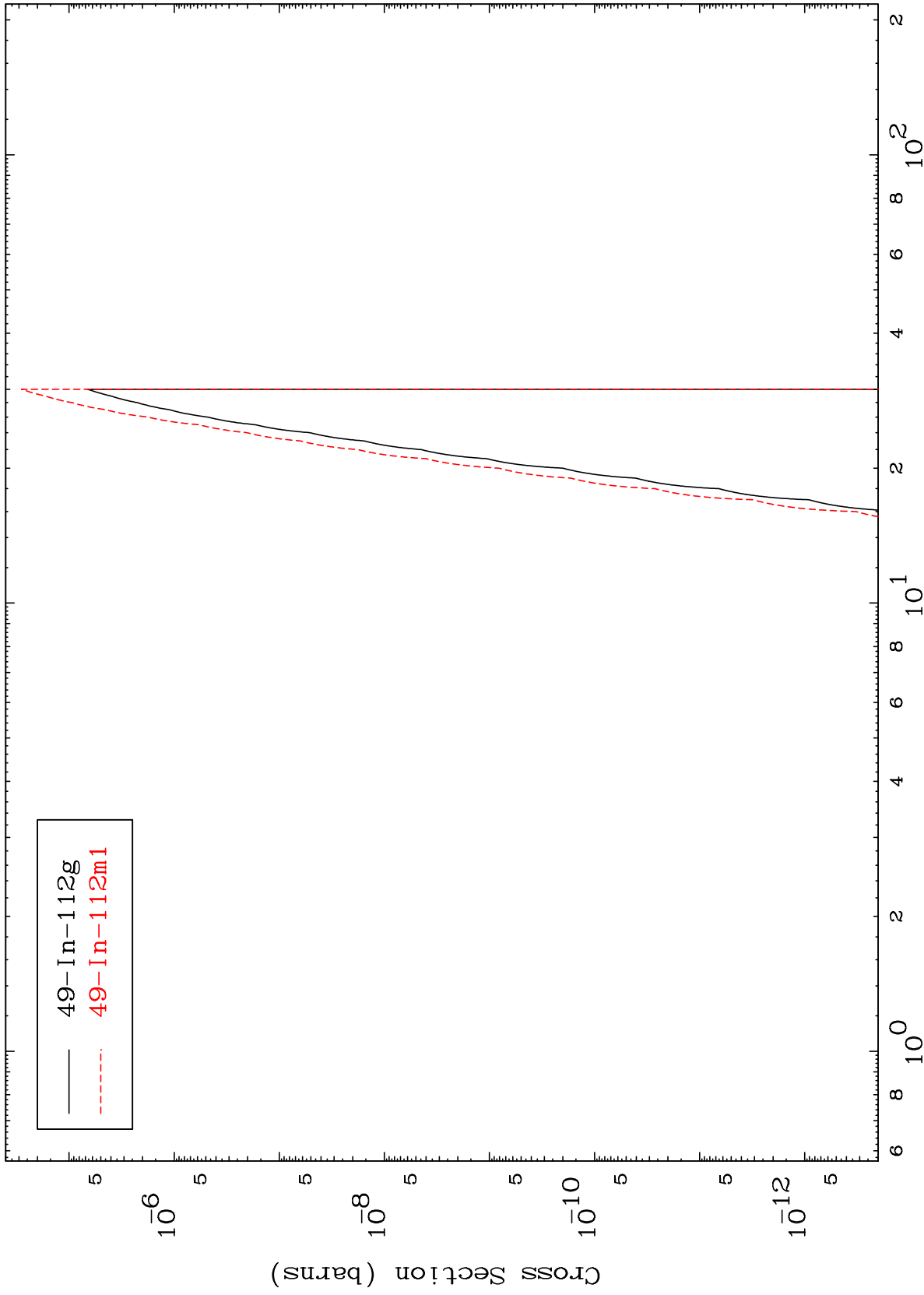
53-I -120

MAT 5304

(n,n') 2α

53-I -120

Radionuclide Production Cross Section



124

Incident Energy (MeV)

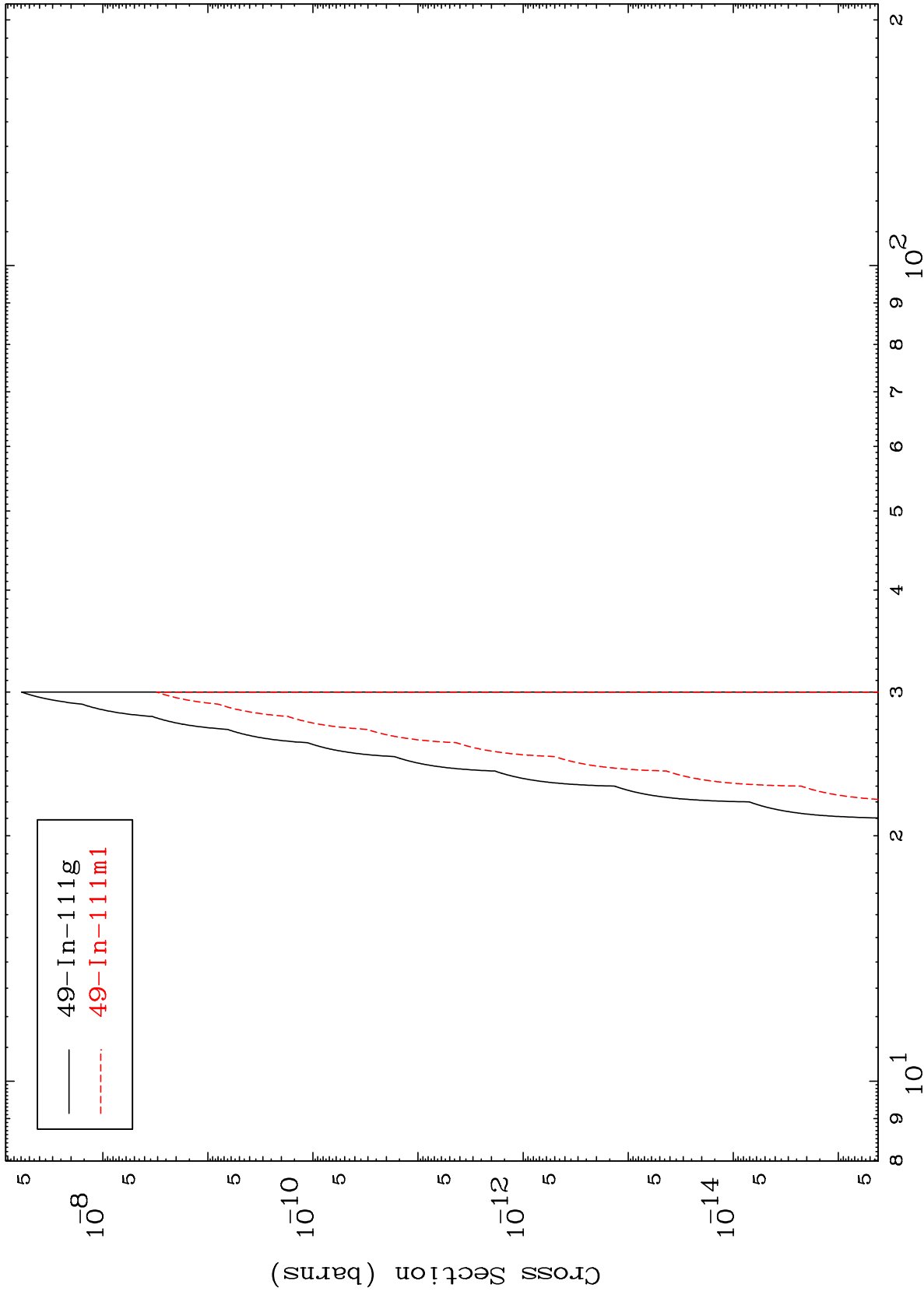
53-I -120

MAT 5304

(n,2n) 2 α

53-I -120

Radionuclide Production Cross Section



125

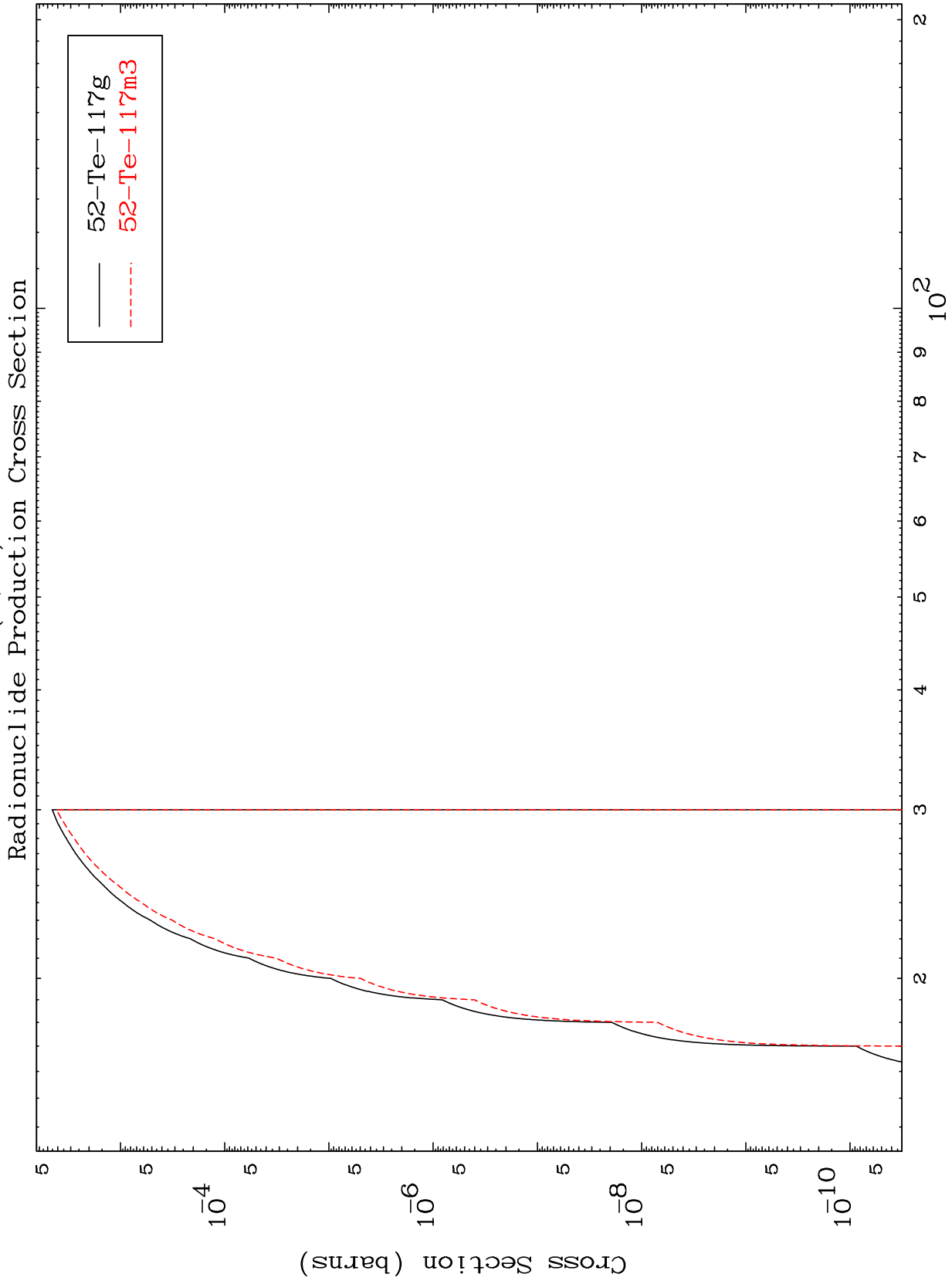
Incident Energy (MeV)

53-I -120

MAT 5304

(n,n') t

53-I -120



126

Incident Energy (MeV)

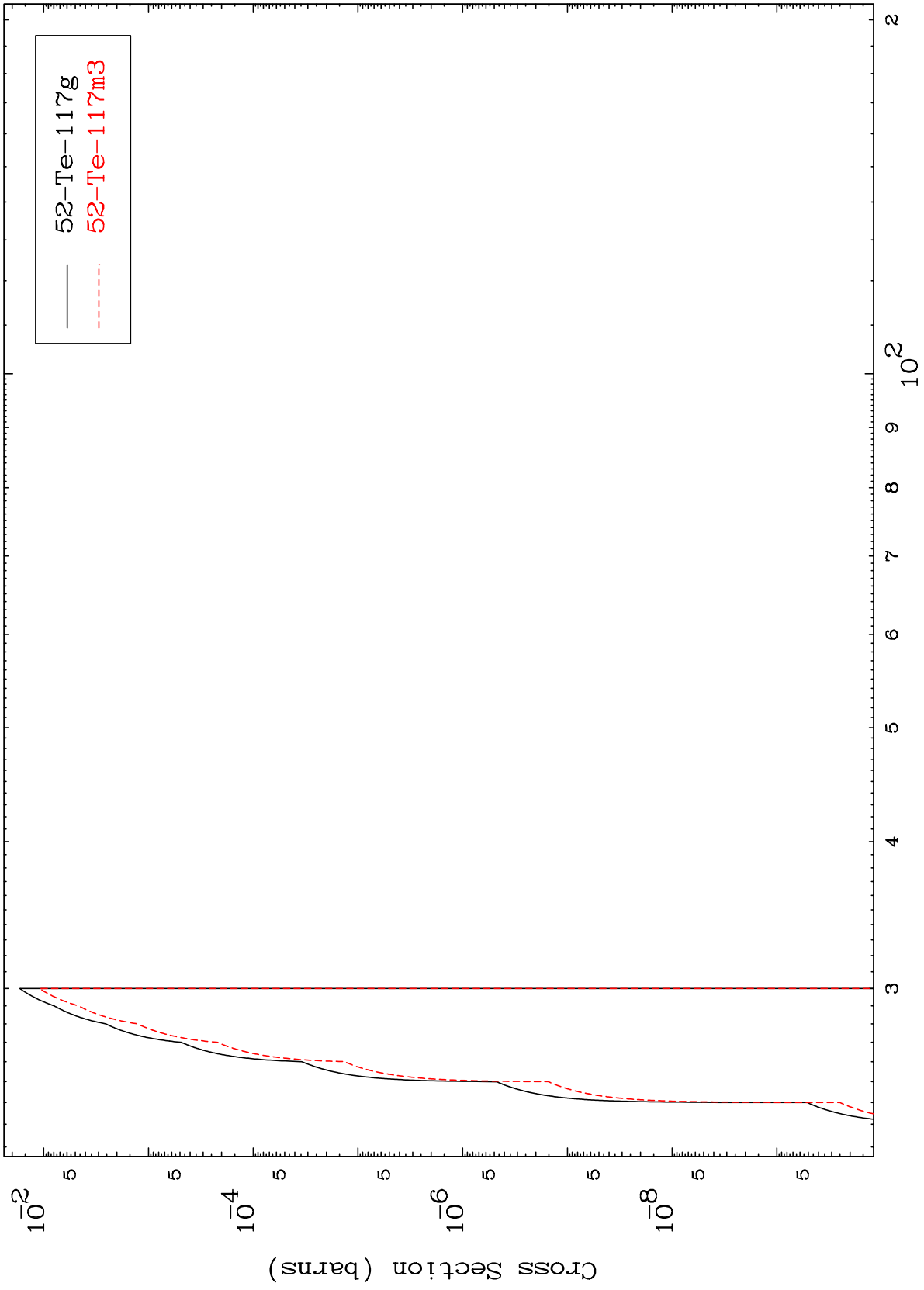
53-I -120

MAT 5304

(n,3n) p

53-I -120

Radionuclide Production Cross Section



127

Incident Energy (MeV)

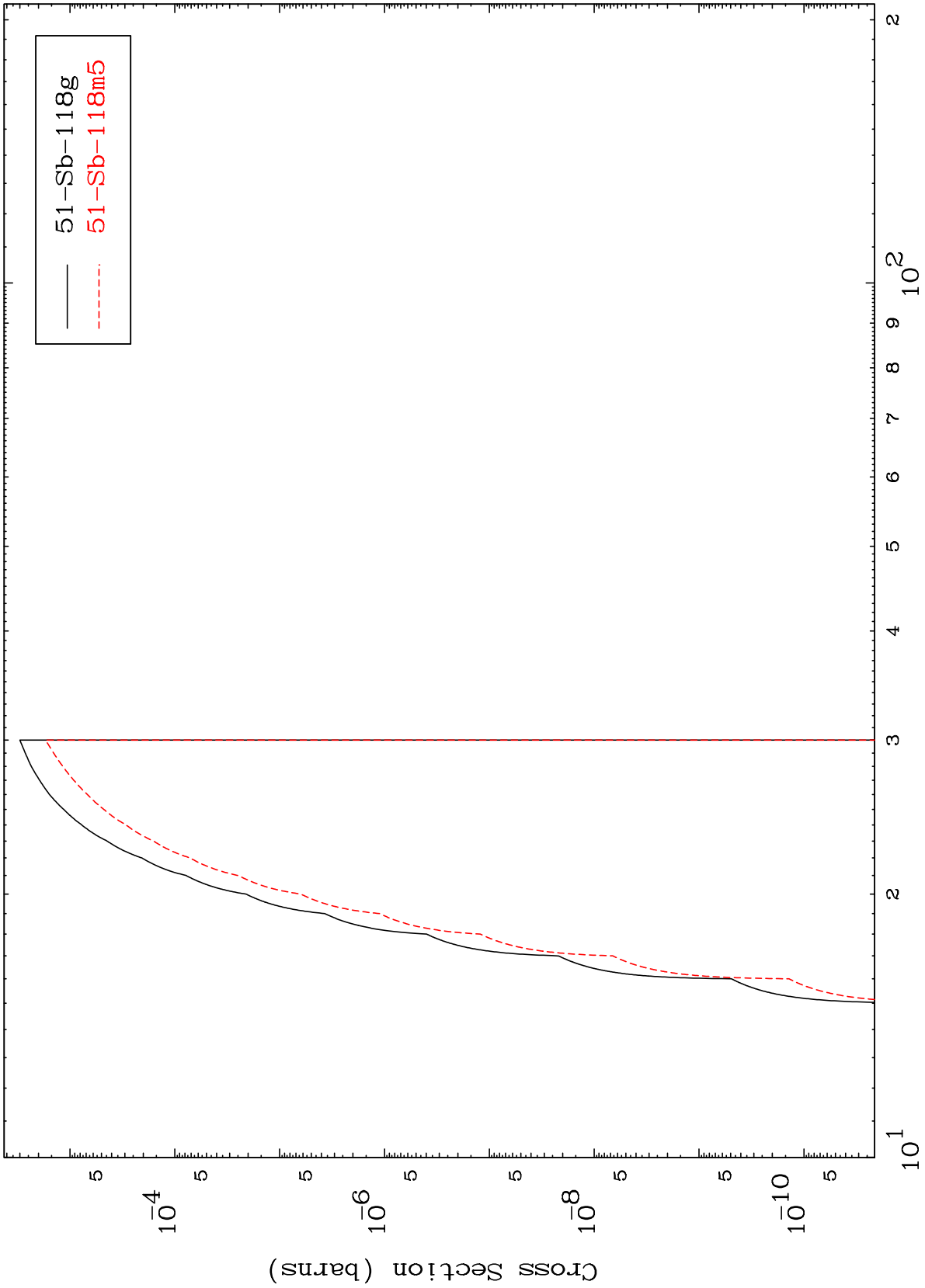
53-I -120

MAT 5304

(n,2n) p

53-I -120

Radionuclide Production Cross Section



128

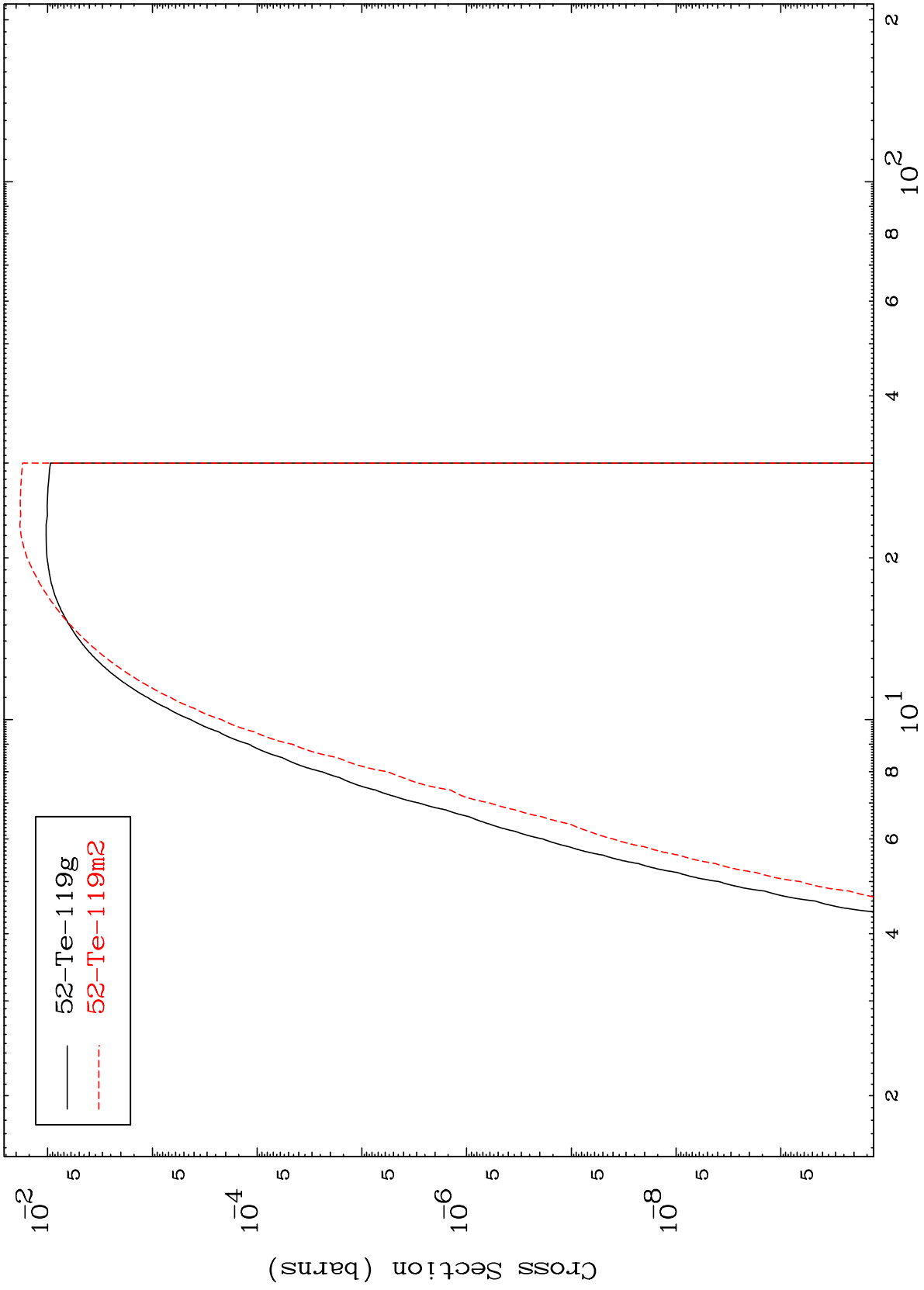
Incident Energy (MeV)

53-I -120

MAT 5304

53-I -120

(n,d)
Radionuclide Production Cross Section



129

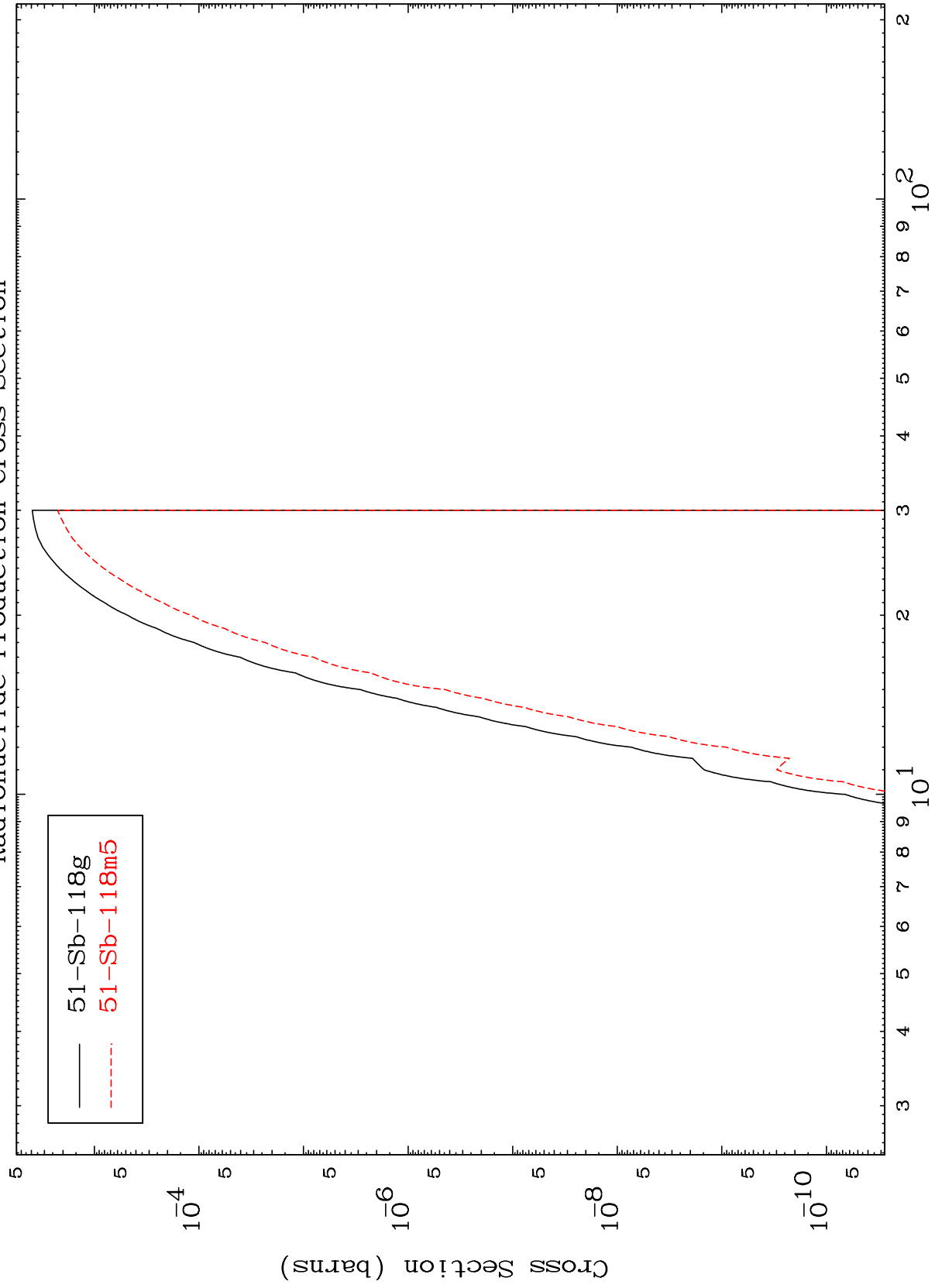
53-I -120

MAT 5304

(n, He-3)

53-I -120

Radionuclide Production Cross Section



130

Incident Energy (MeV)

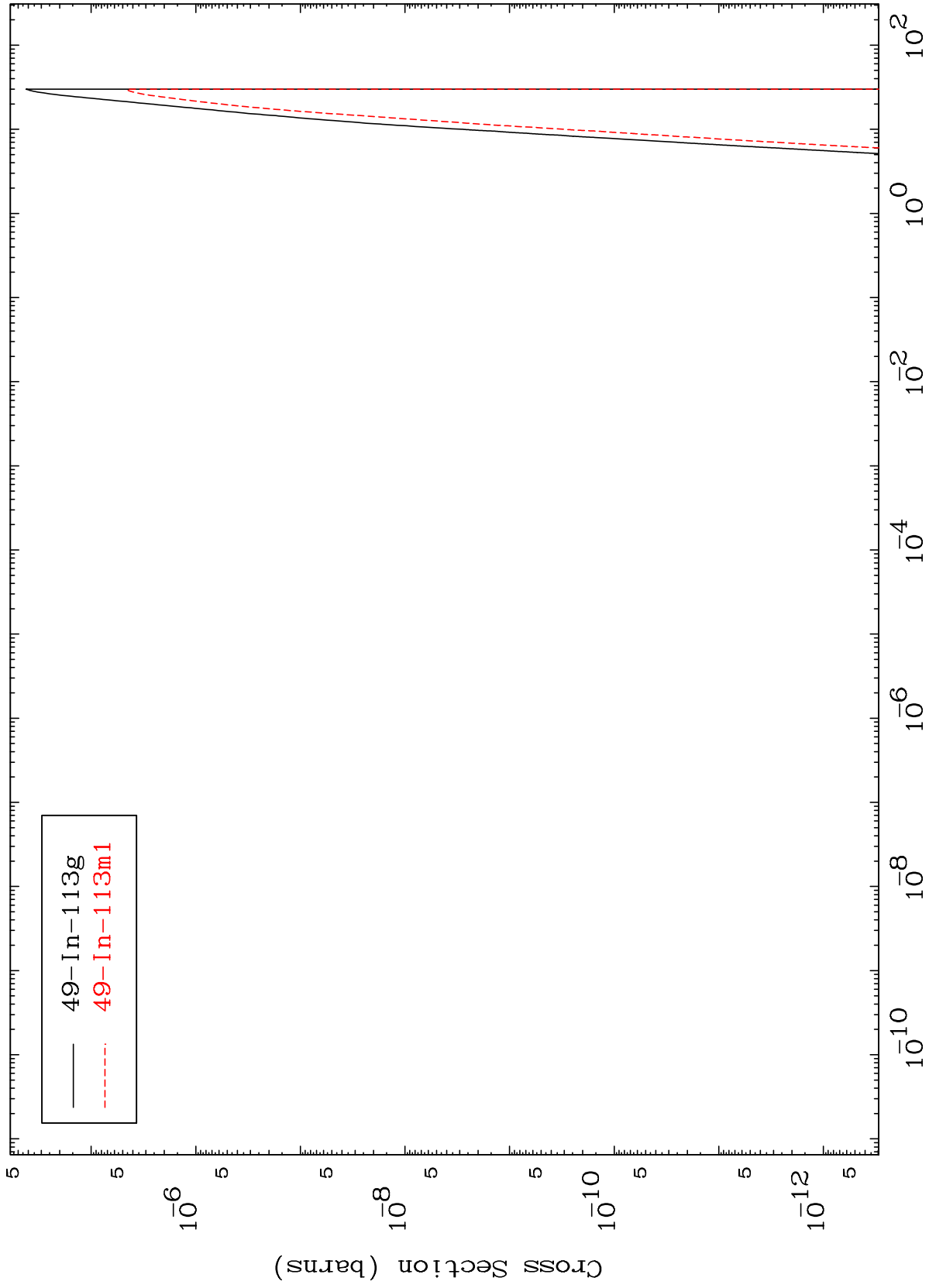
53-I -120

MAT 5304

(n,2α)

53-I -120

Radionuclide Production Cross Section



— 49-In-113g
- - - 49-In-113m1

131

Incident Energy (MeV)

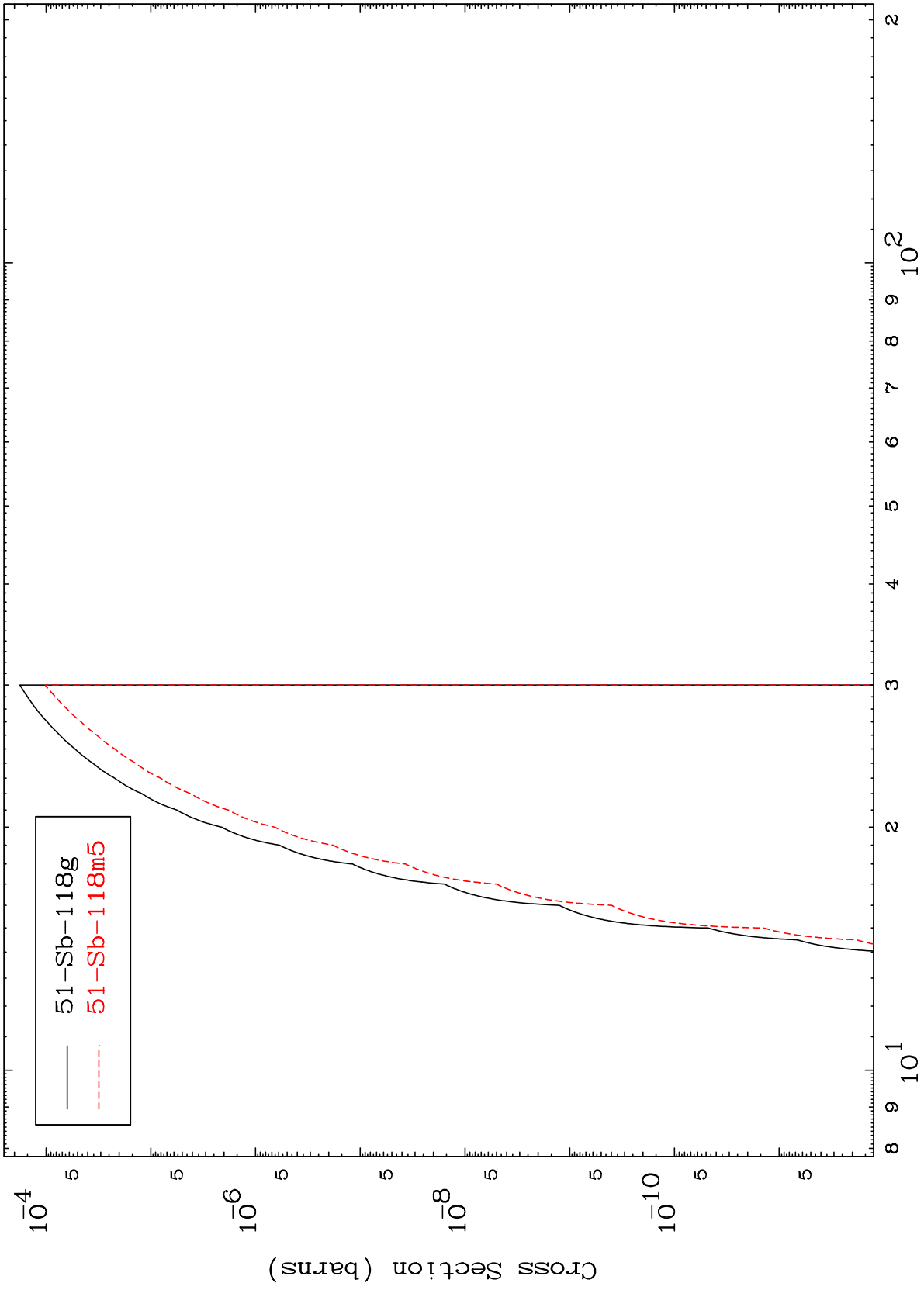
53-I -120

MAT 5304

(n,p) d

53-I -120

Radionuclide Production Cross Section



132

Incident Energy (MeV)

53-I -120