

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

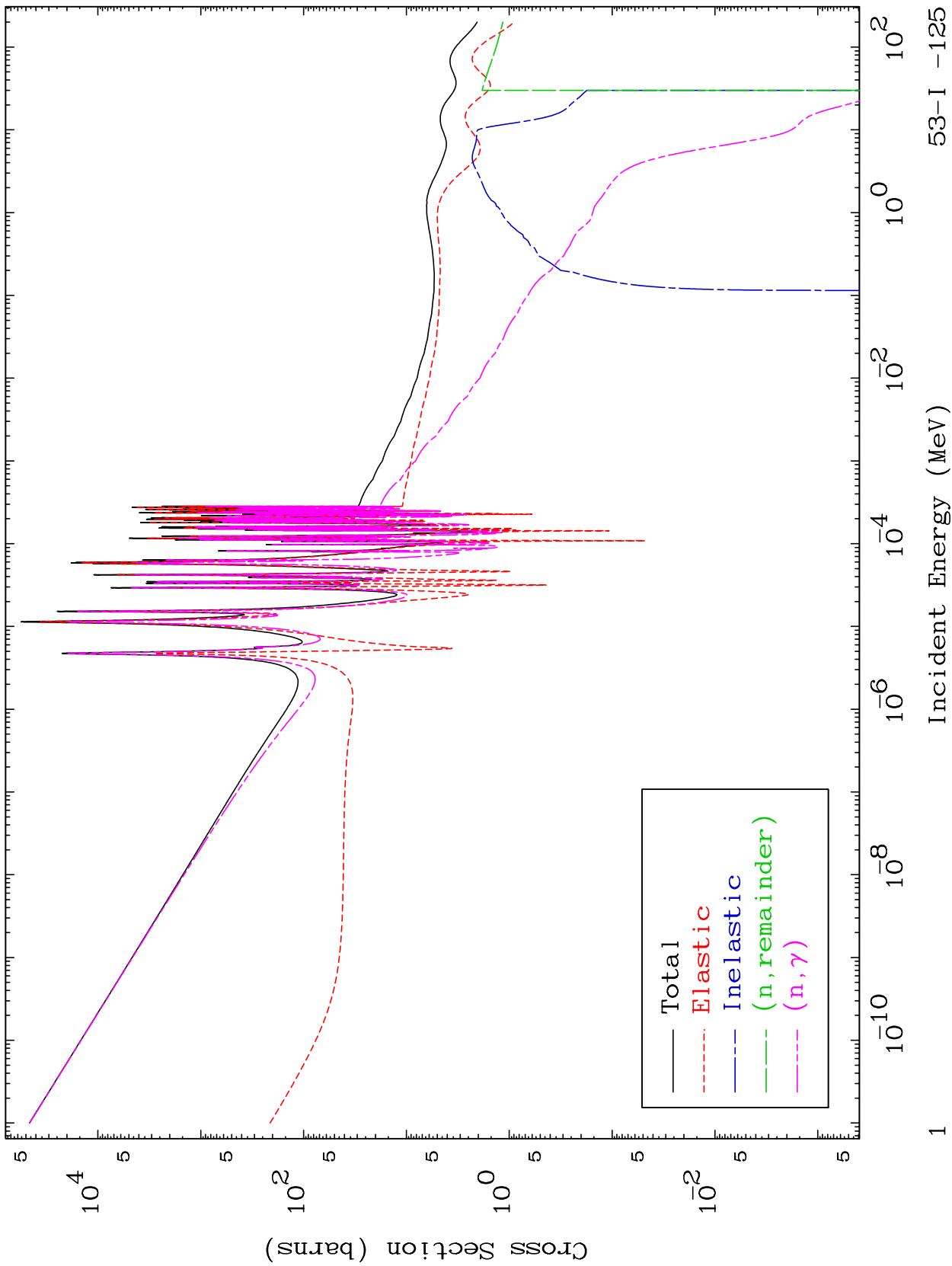
Press Mouse Button to Start

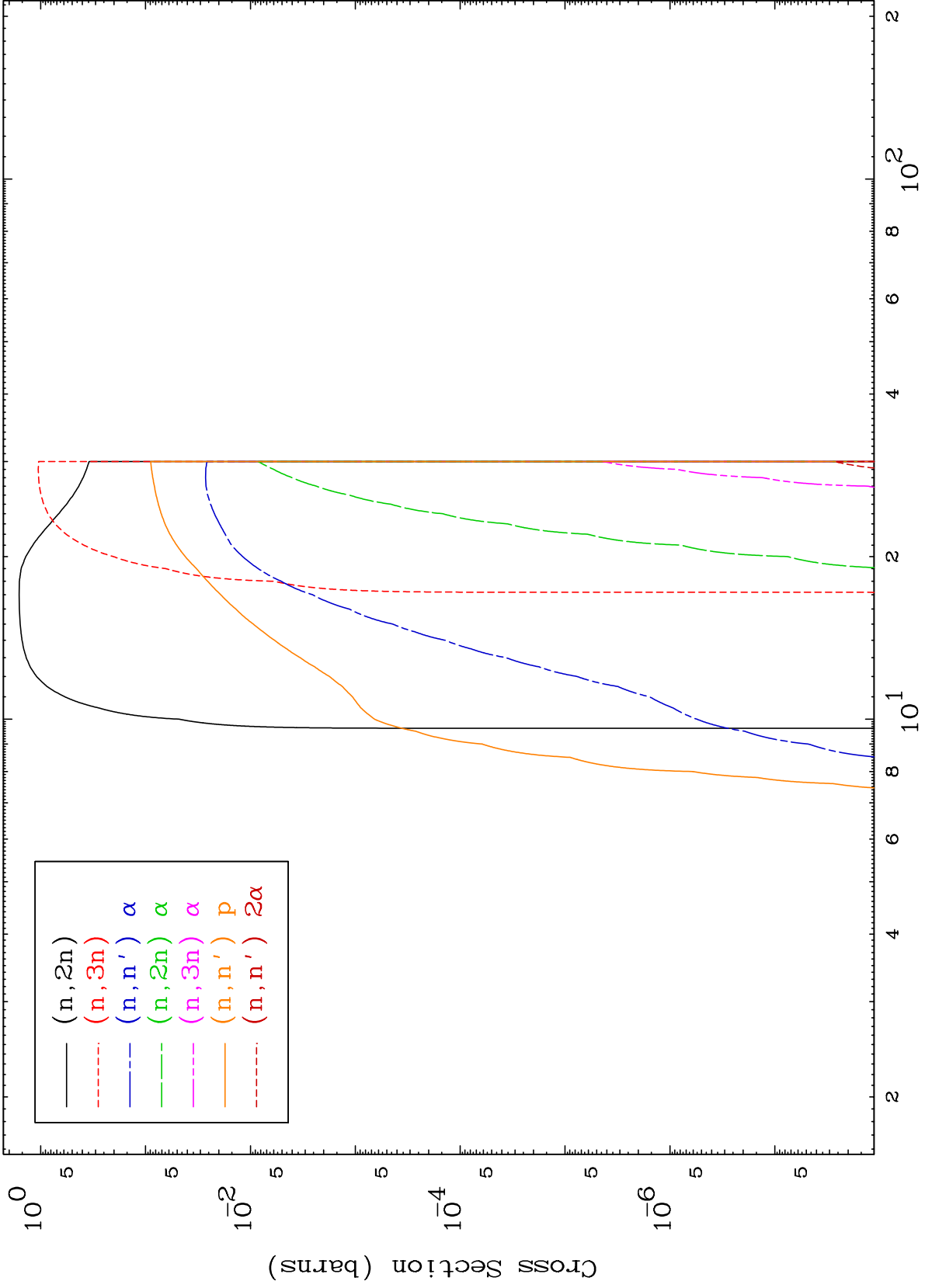
MAT 5319

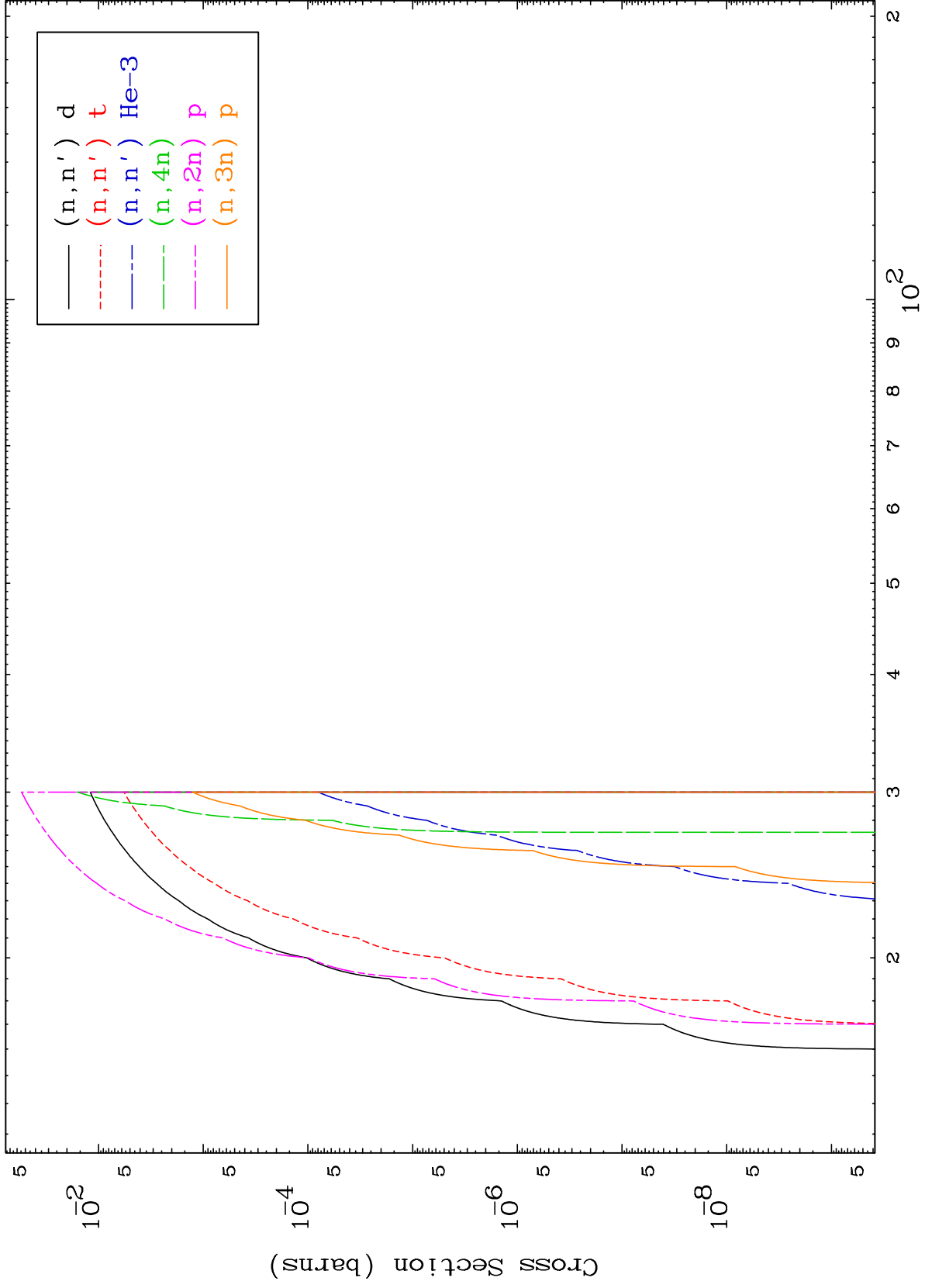
Major

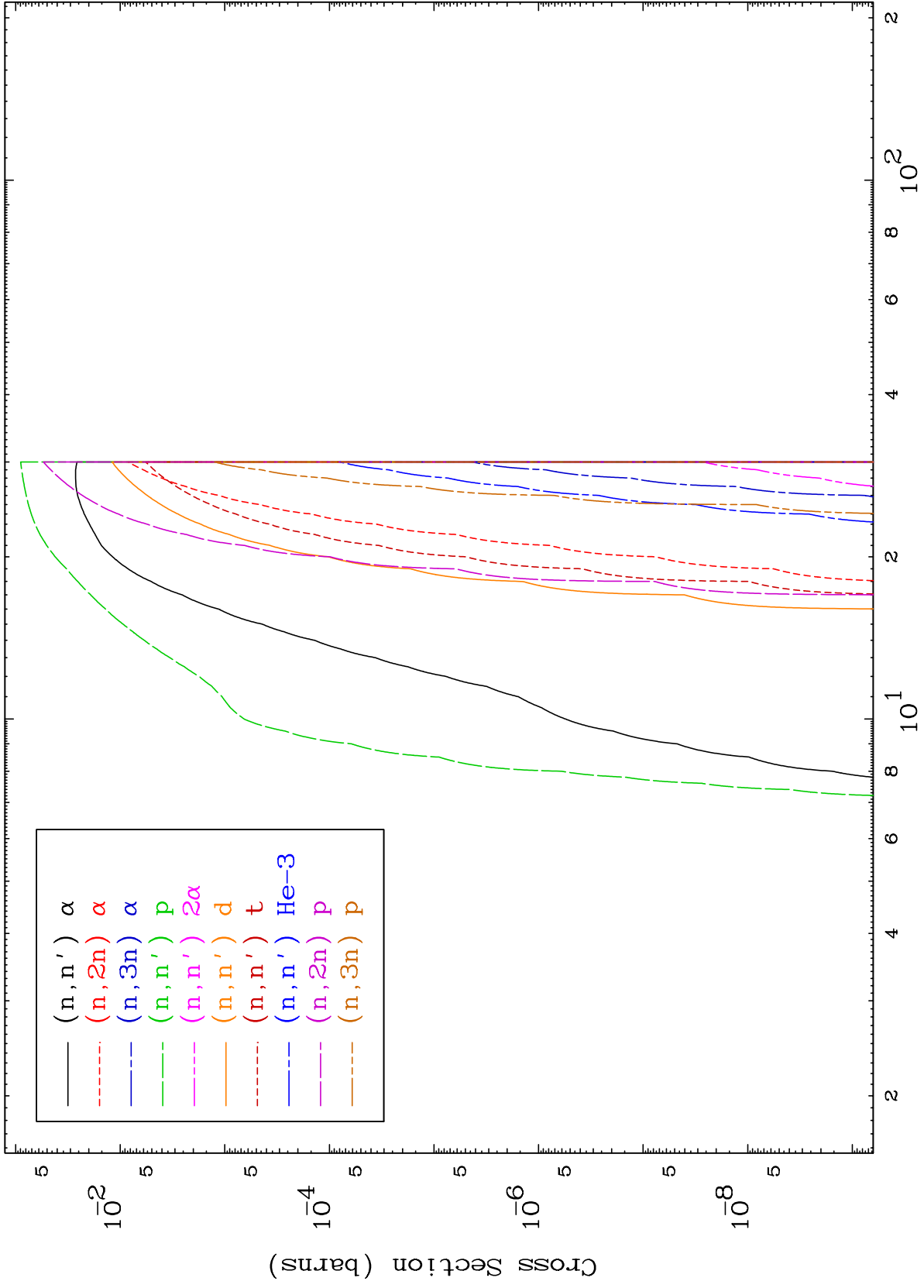
293 Kelvin Cross Sections

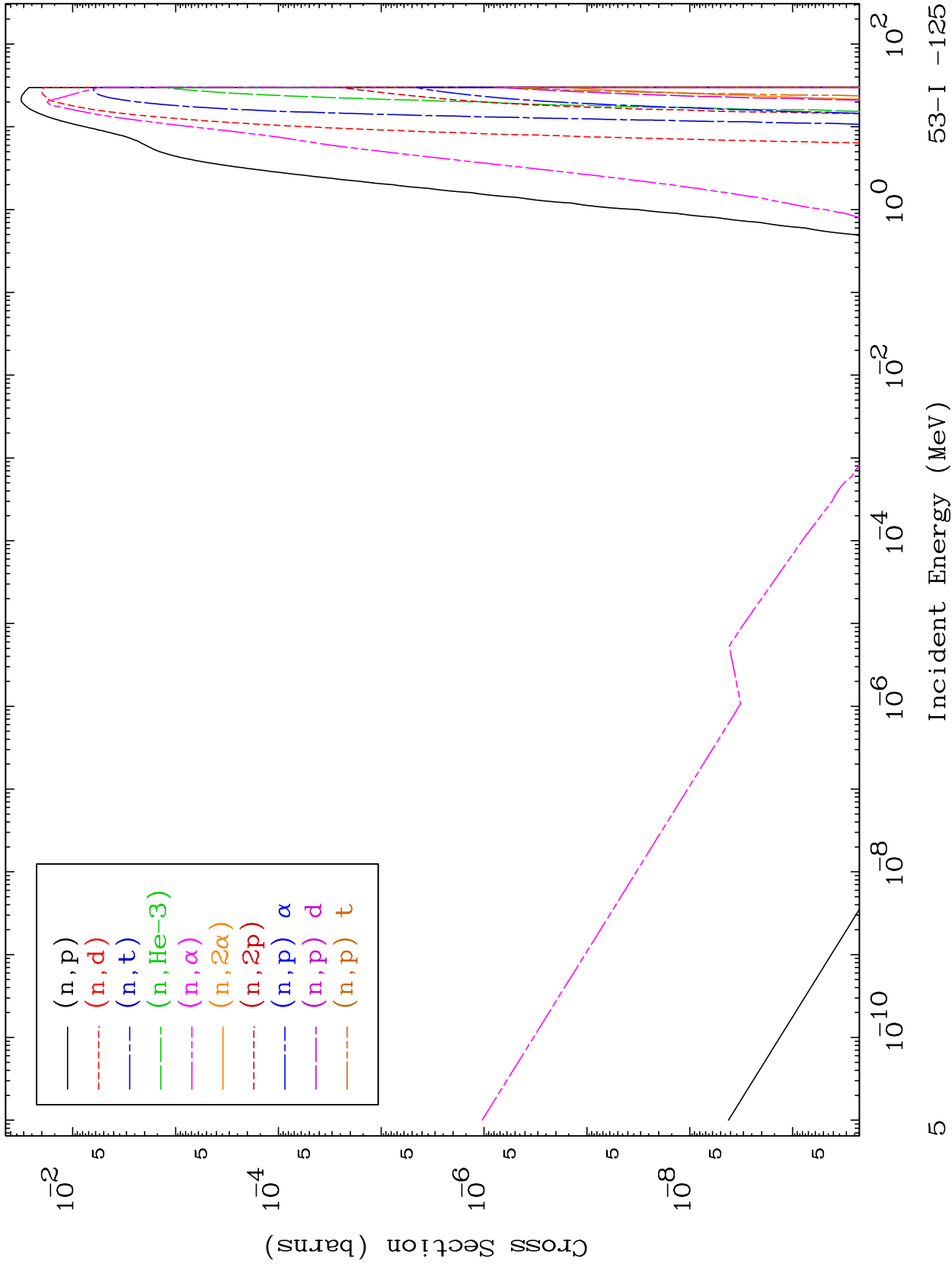
53-I -125

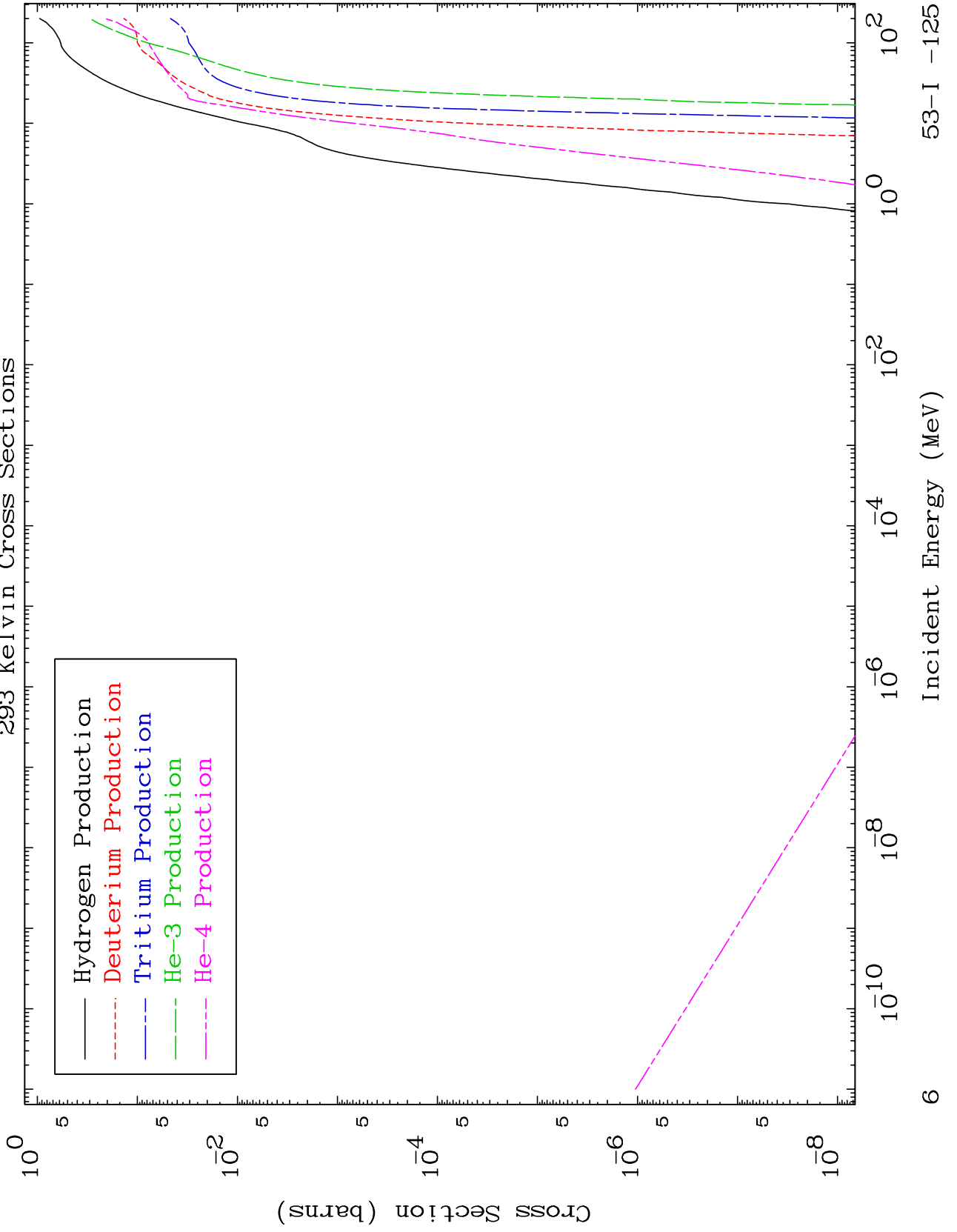




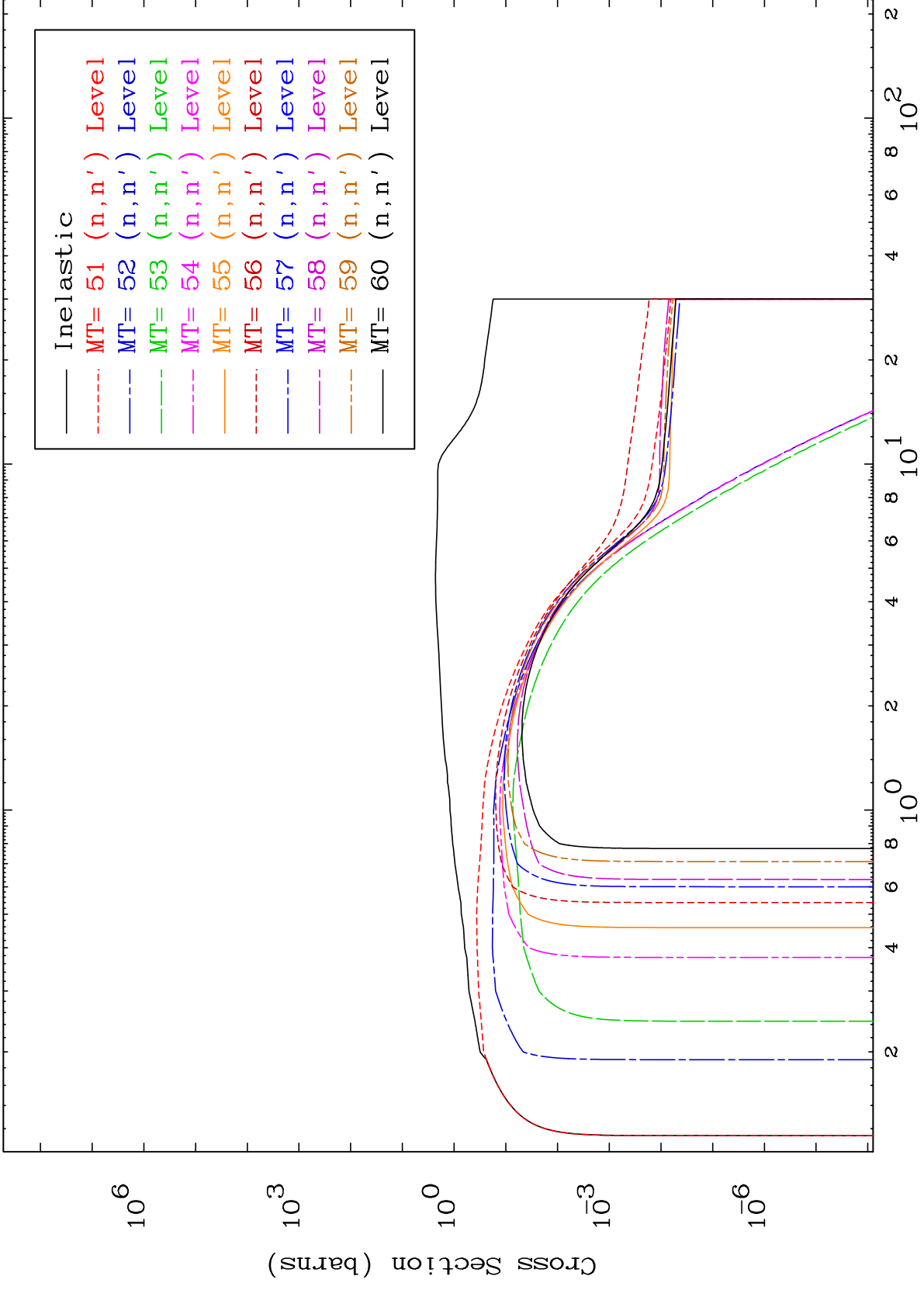




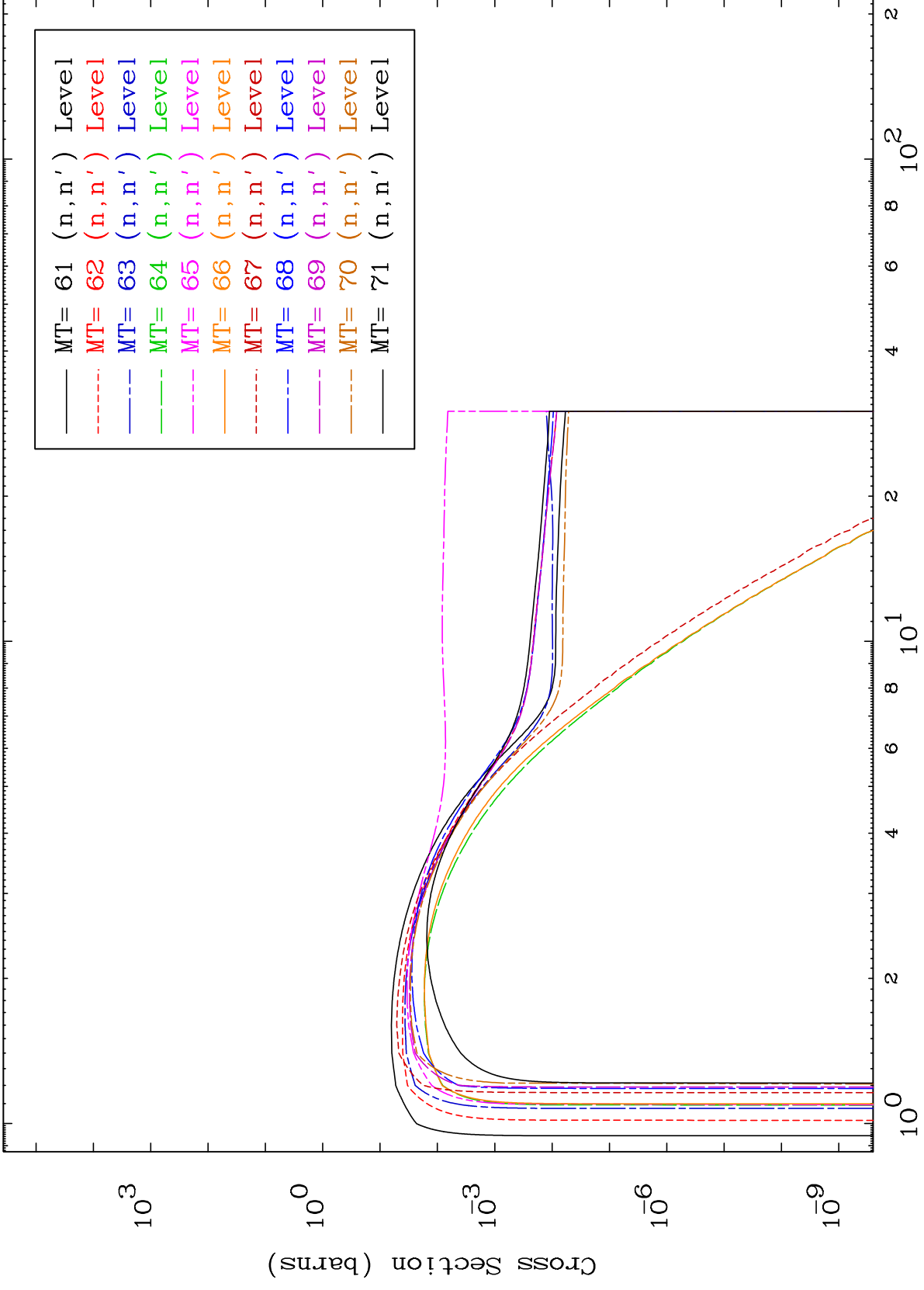




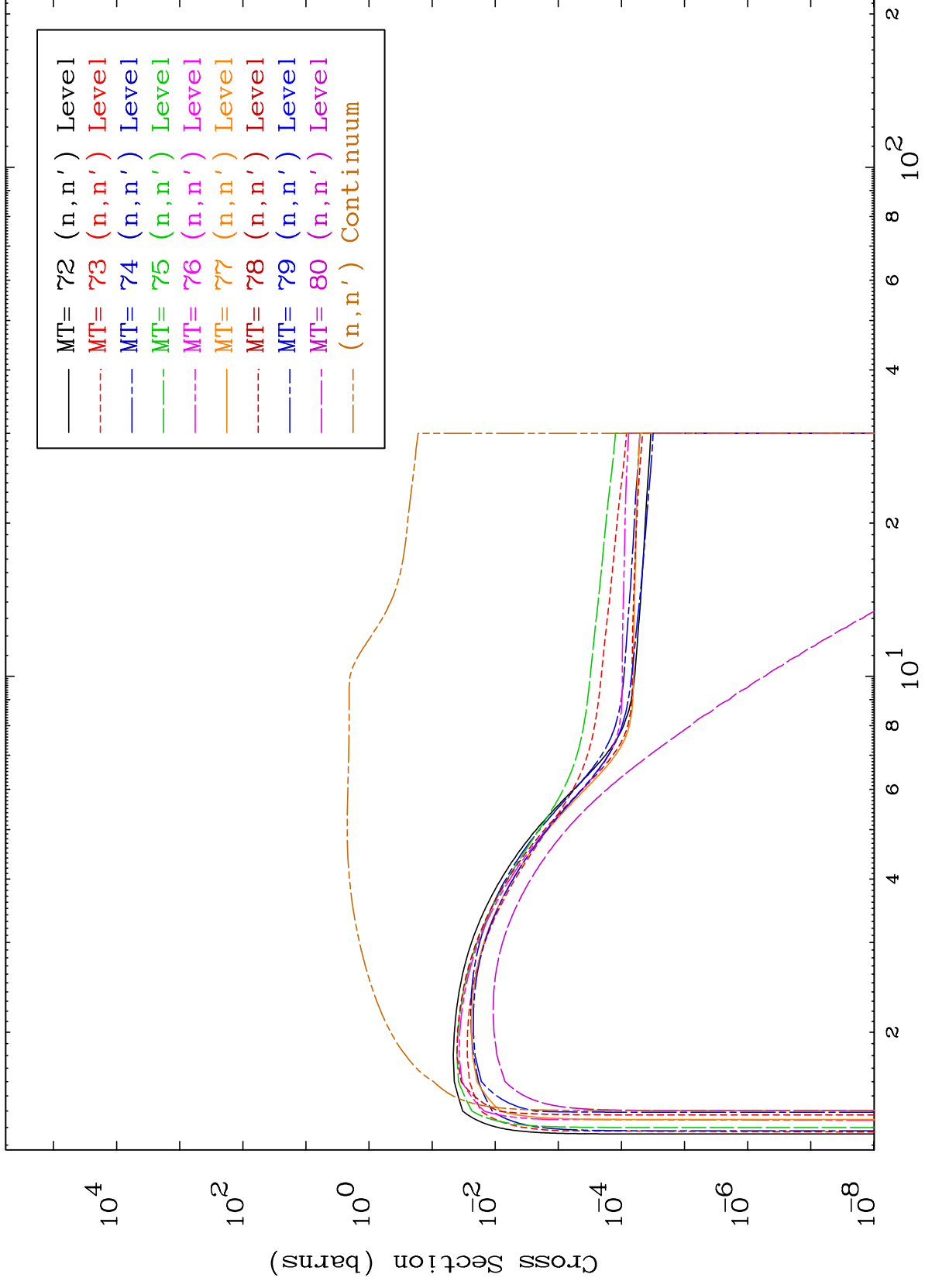
293 Kelvin Cross Sections



293 Kelvin Cross Sections



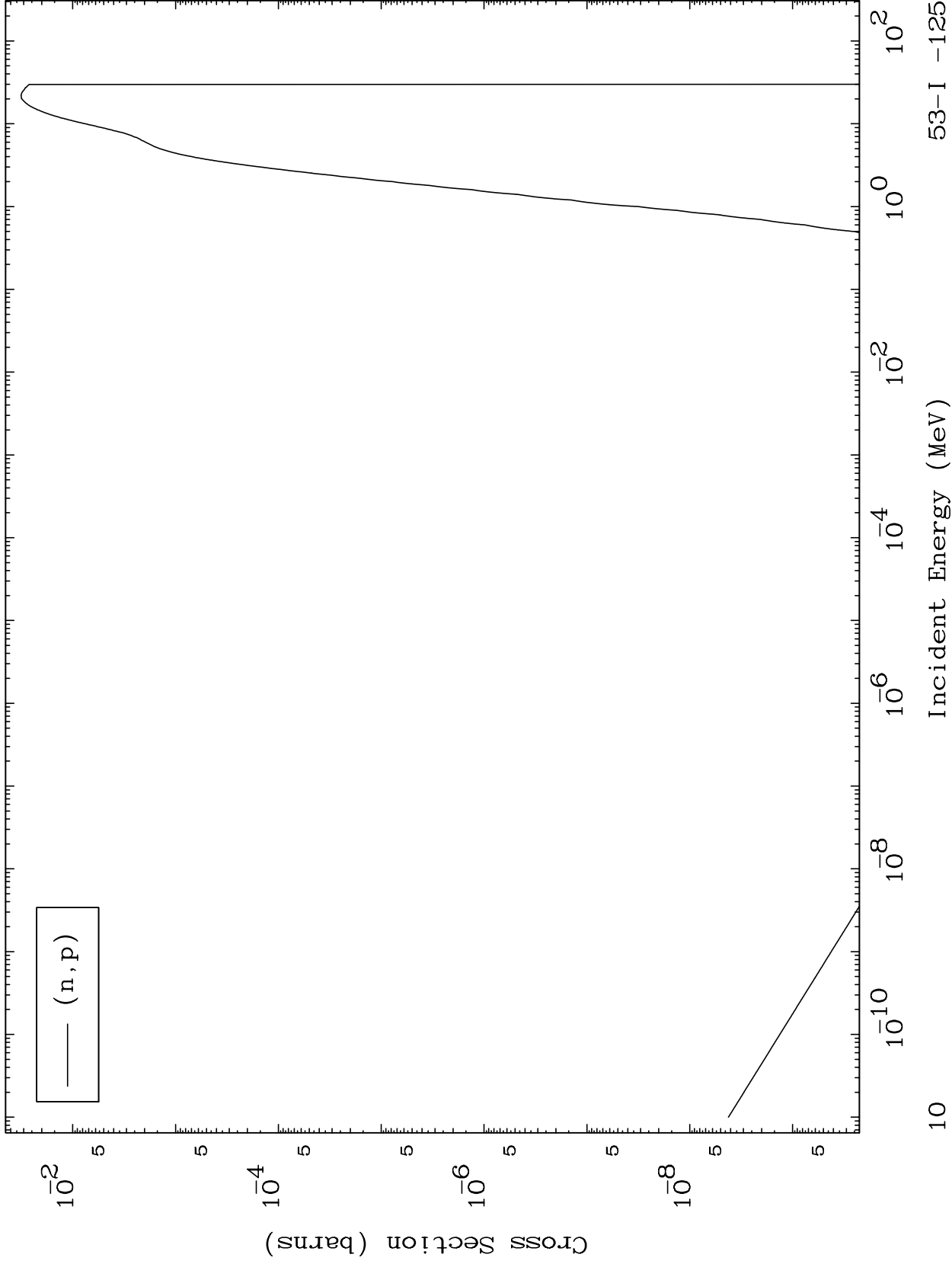
293 Kelvin Cross Sections



MAT 5319

(n,p) Levels
293 Kelvin Cross Sections

53-I -125



10

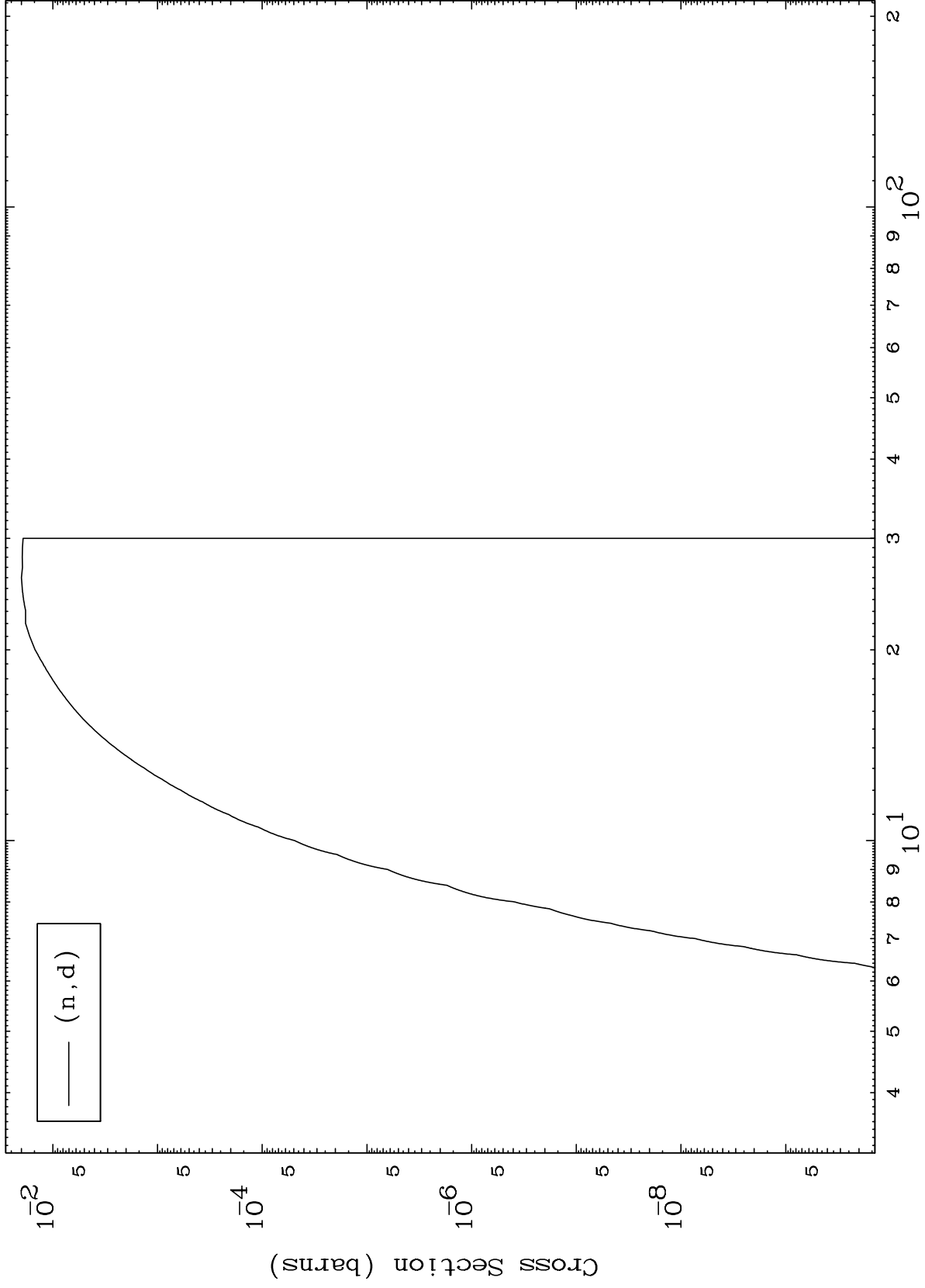
Incident Energy (MeV)

53-I -125

MAT 5319

(n,d) Levels
293 Kelvin Cross Sections

53-I -125



11

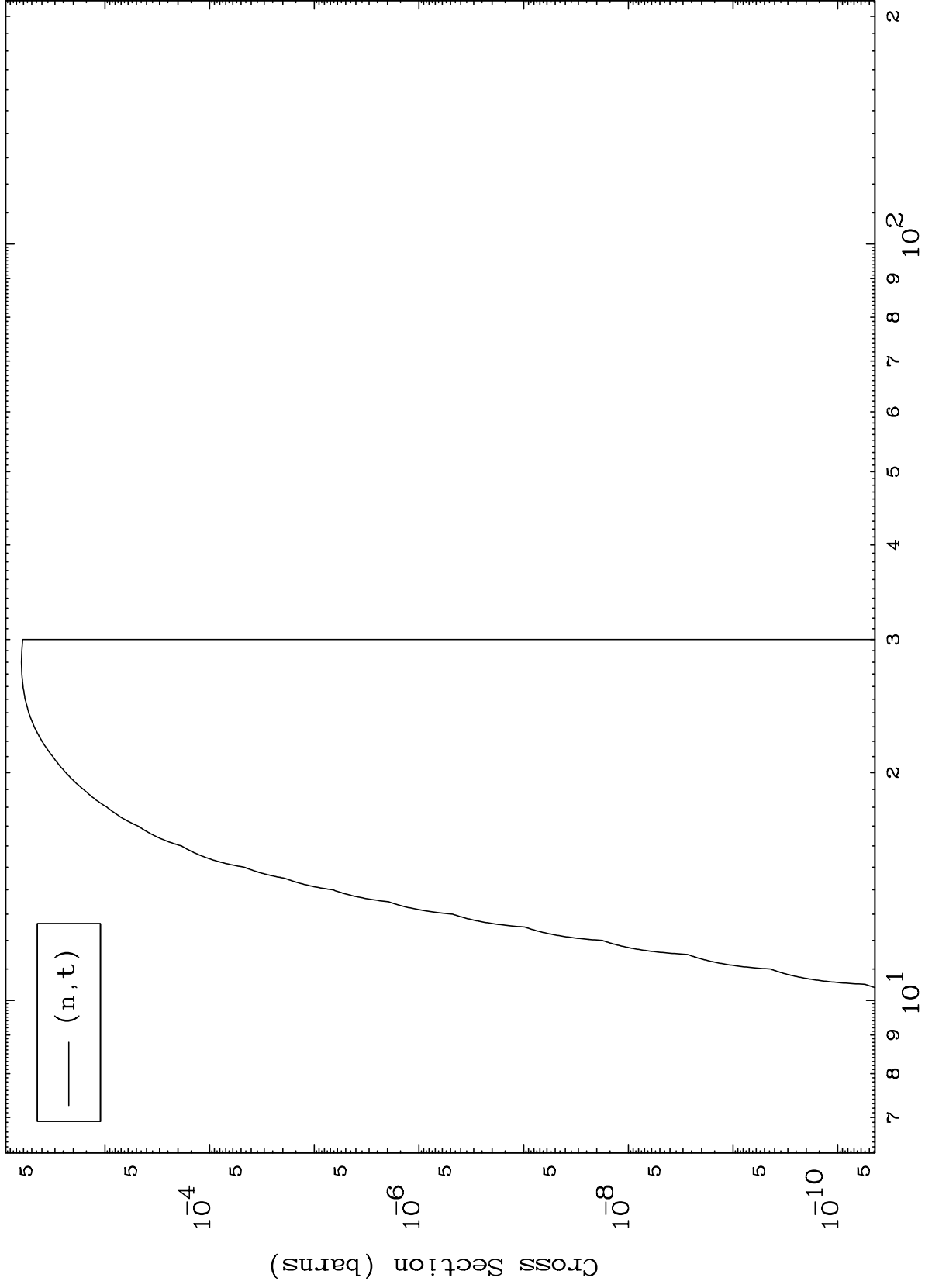
Incident Energy (MeV)

53-I -125

MAT 5319

(n,t) Levels
293 Kelvin Cross Sections

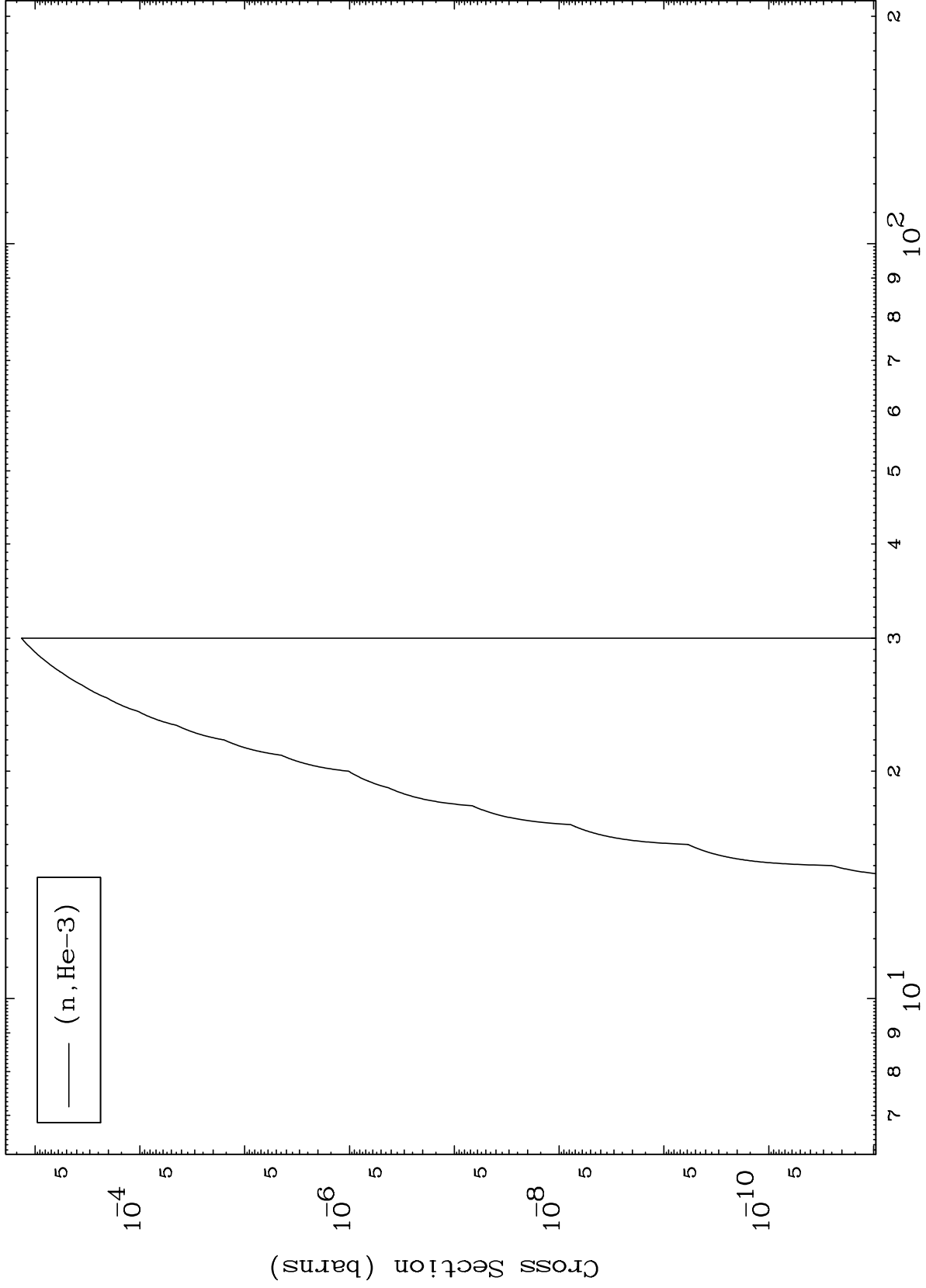
53-I -125



12

Incident Energy (MeV)

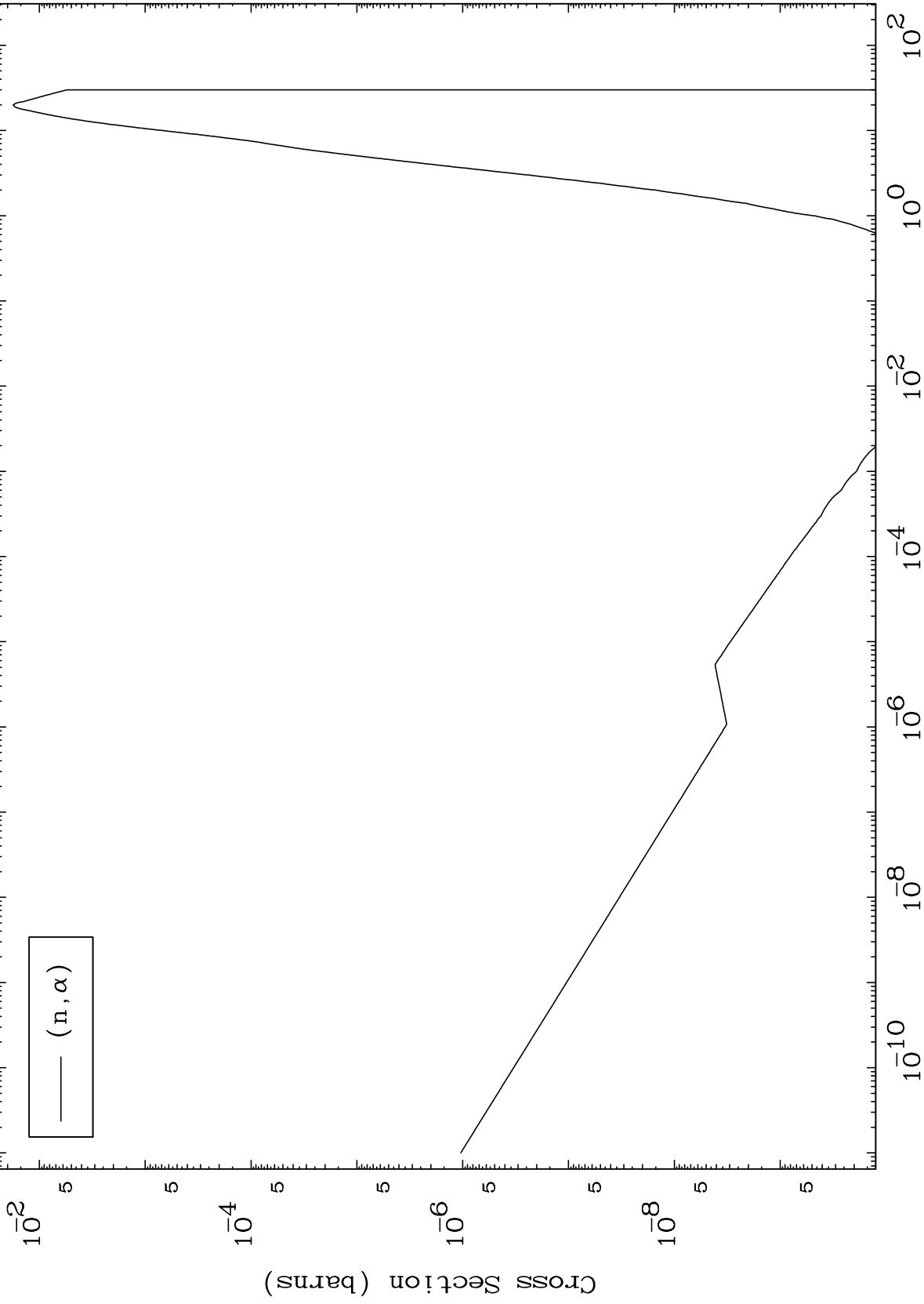
53-I -125



MAT 5319

(n, α) Levels
293 Kelvin Cross Sections

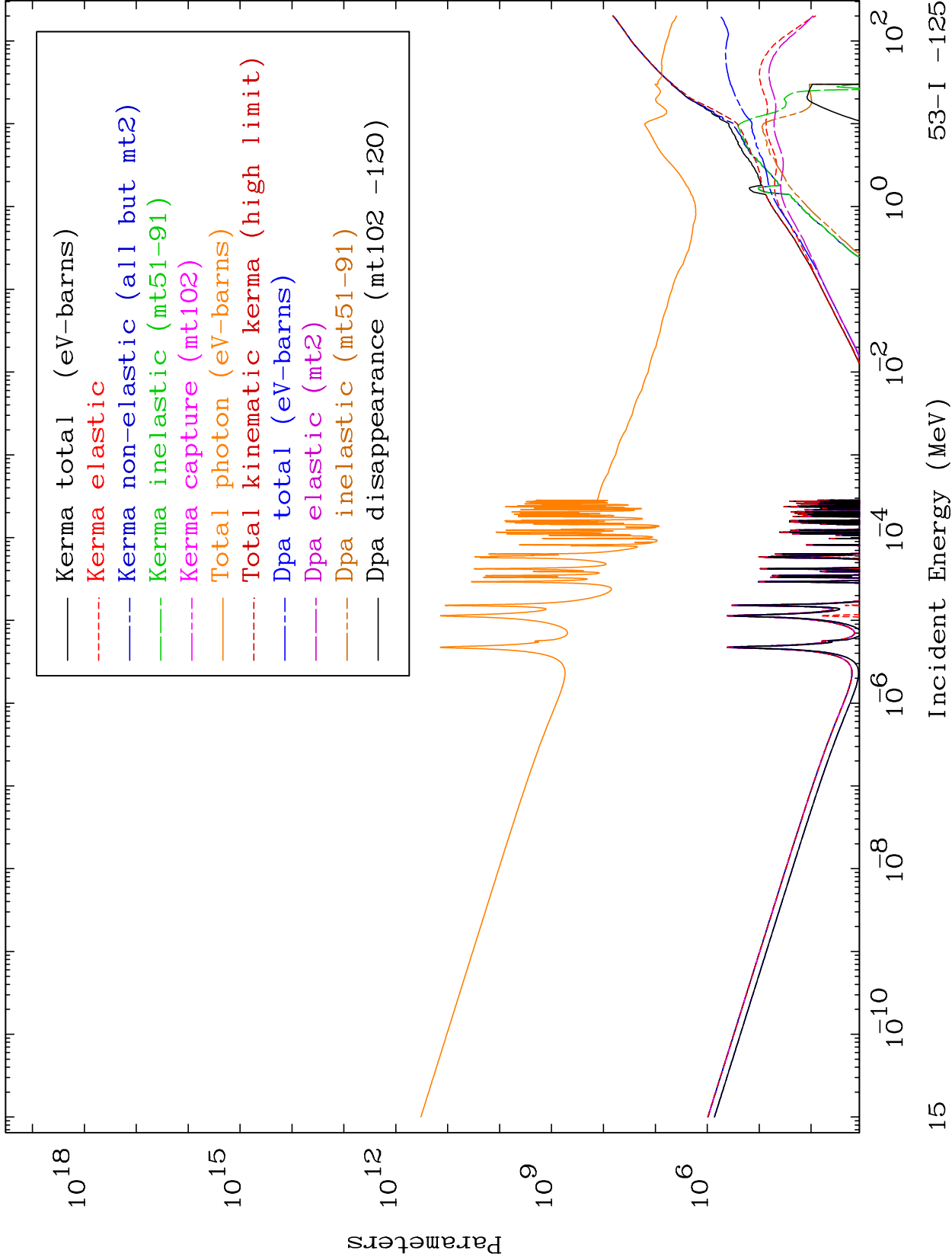
53-I -125



14

Incident Energy (MeV)

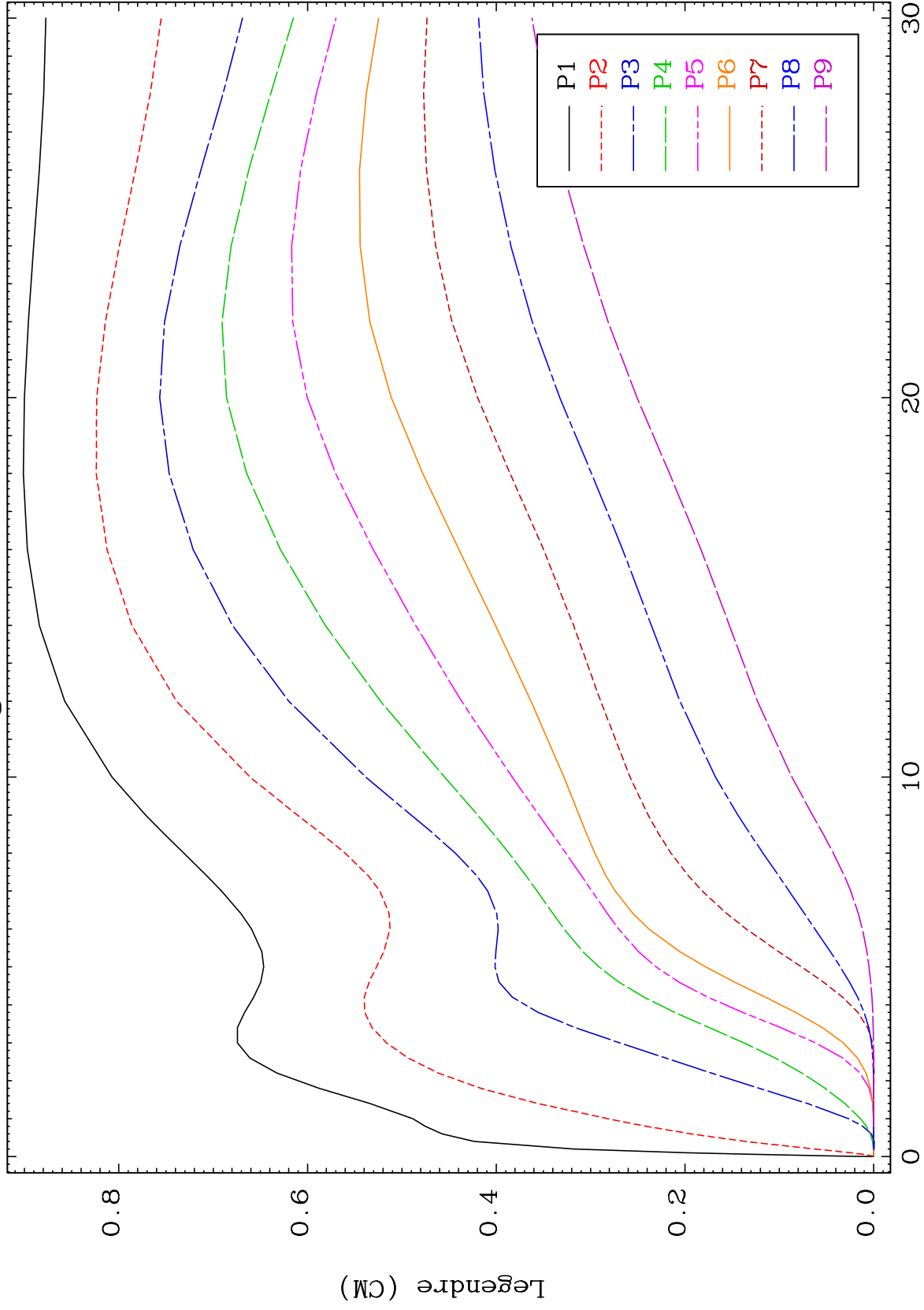
53-I -125



MAT 5319

Elastic Legendre Coefficients

53-I -125

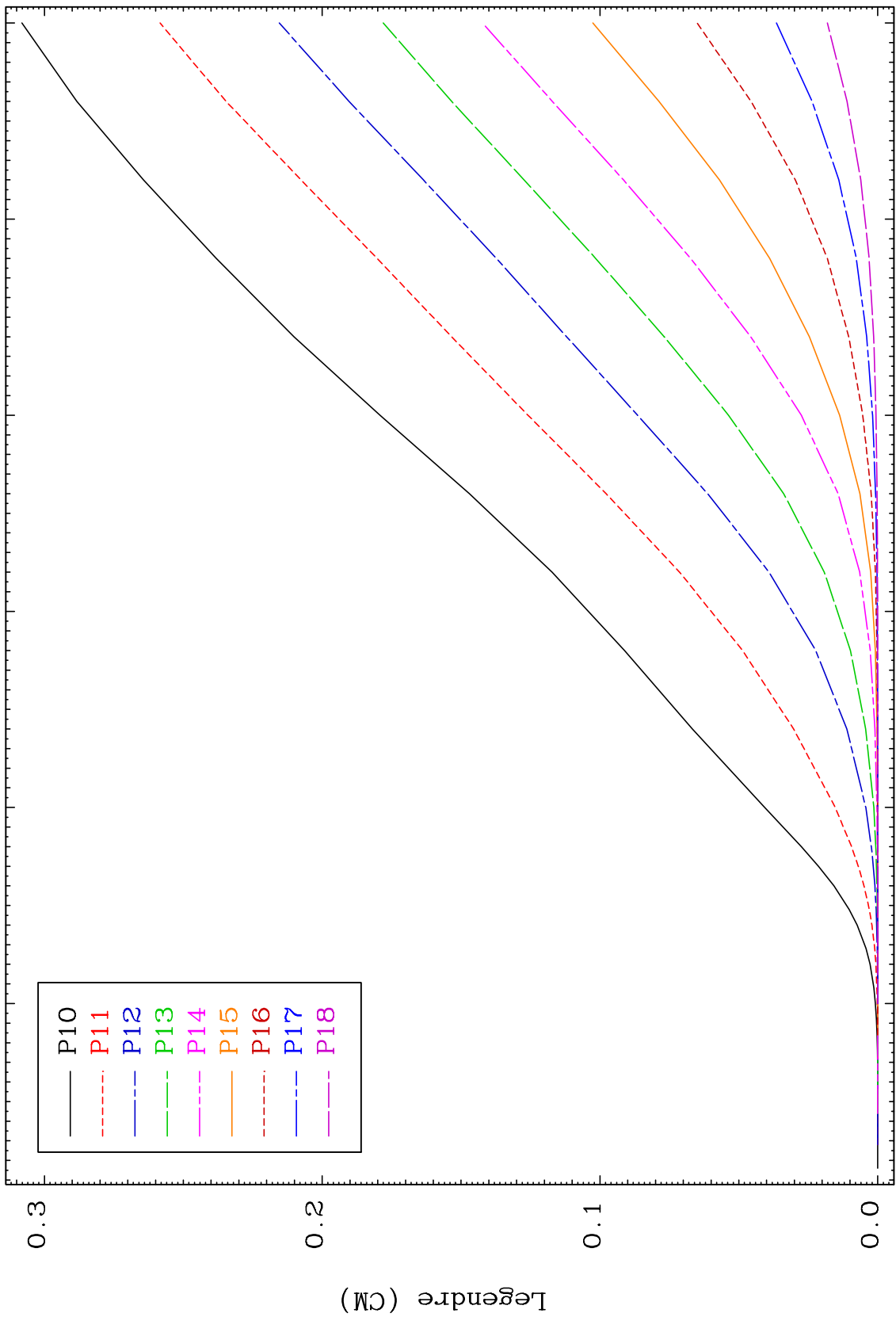


16

Incident Energy (MeV)

53-I -125

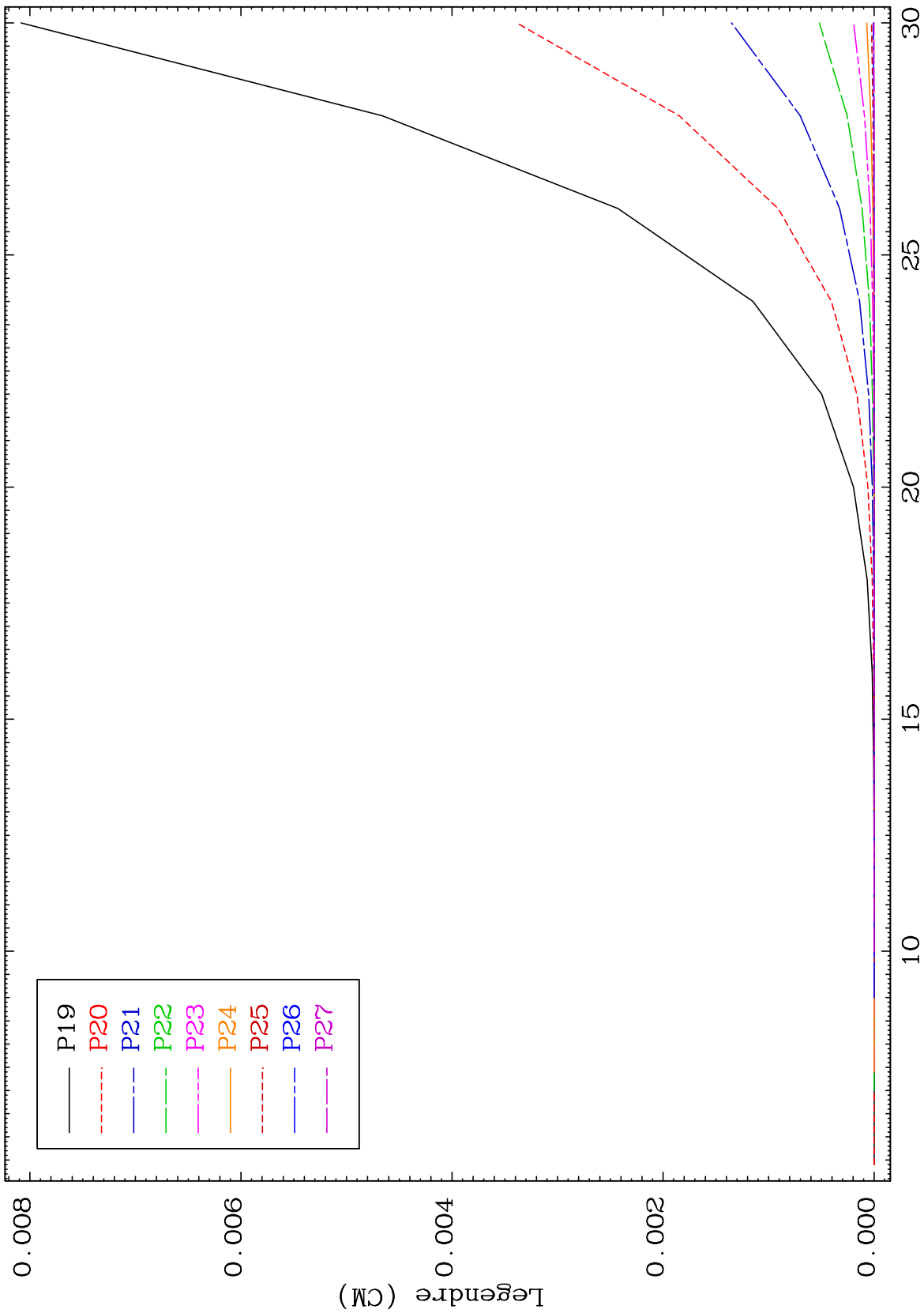
Elastic Legendre Coefficients



MAT 5319

Elastic
Legendre Coefficients

53-I -125



18

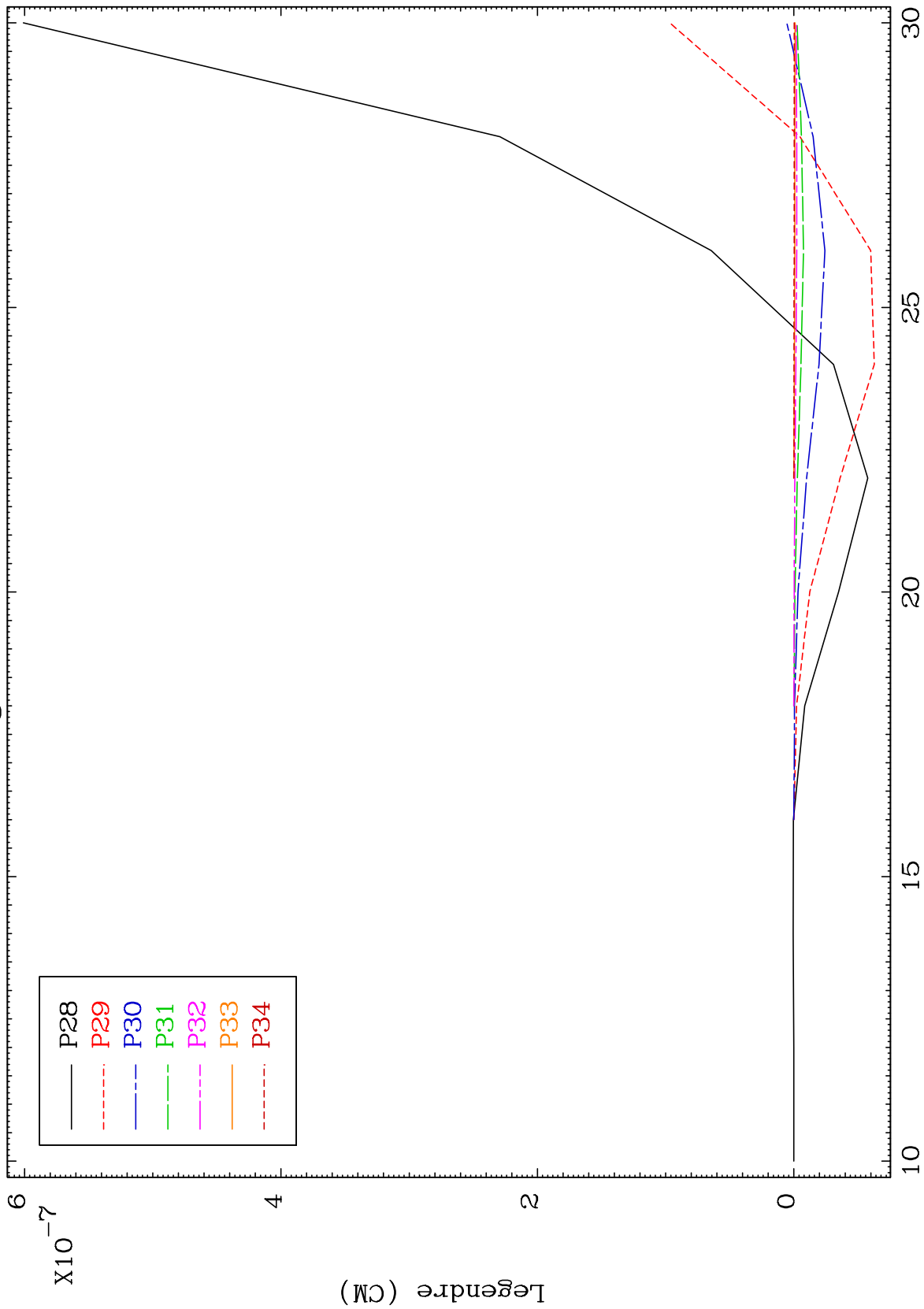
Incident Energy (MeV)

53-I -125

MAT 5319

Elastic
Legendre Coefficients

53-I -125



19

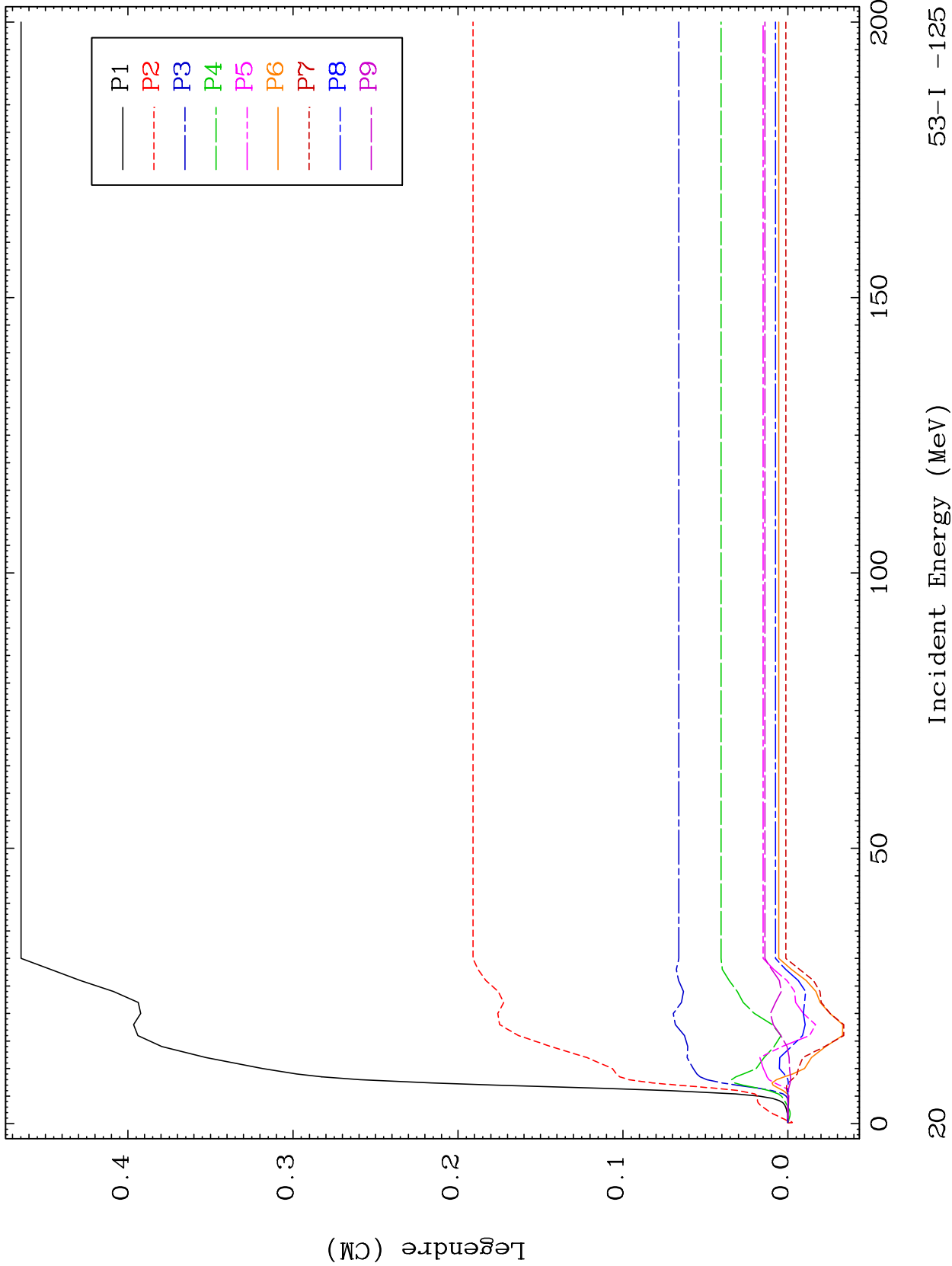
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



53-I -125

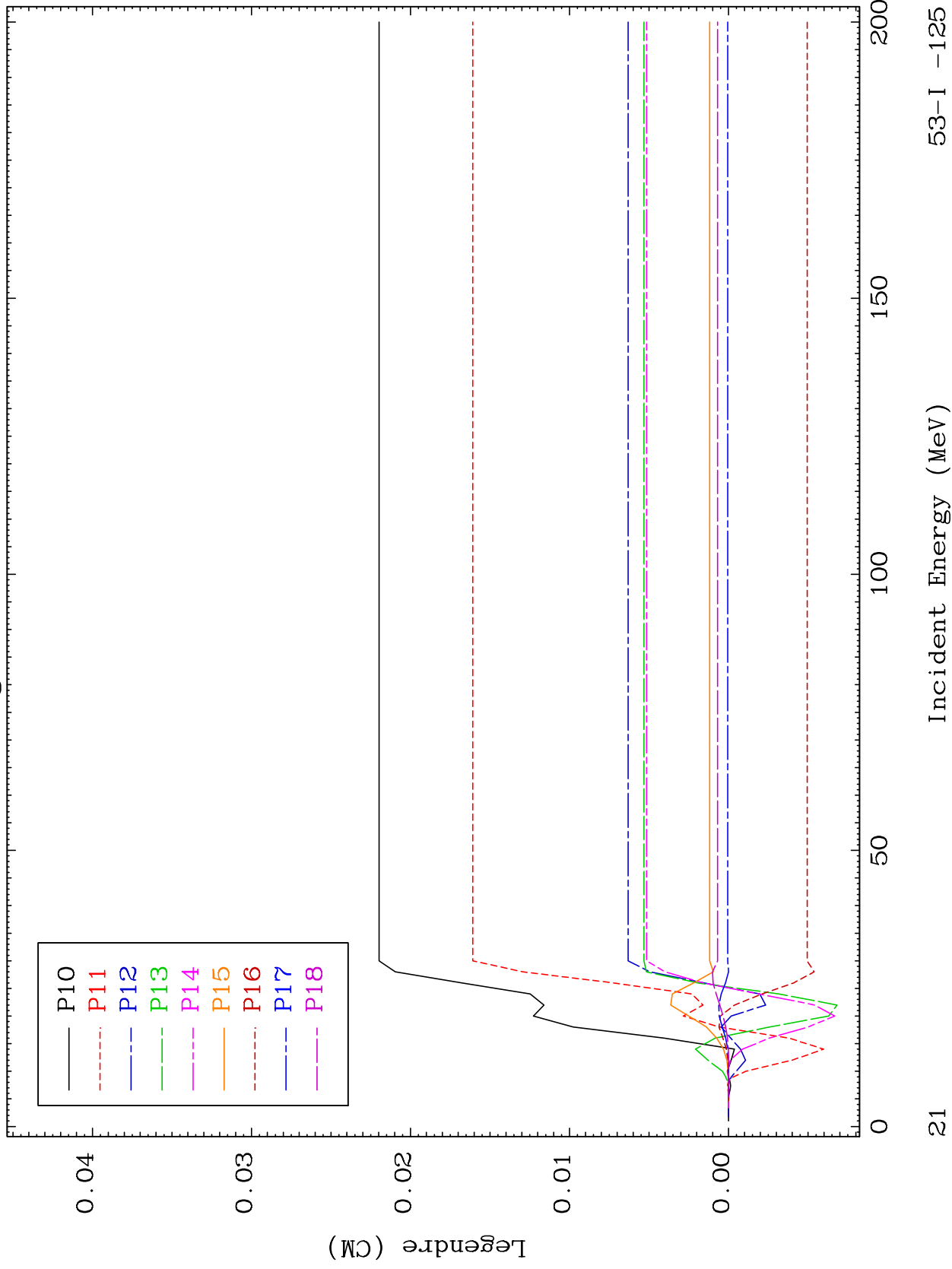
Incident Energy (MeV)

20

MAT 5319

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

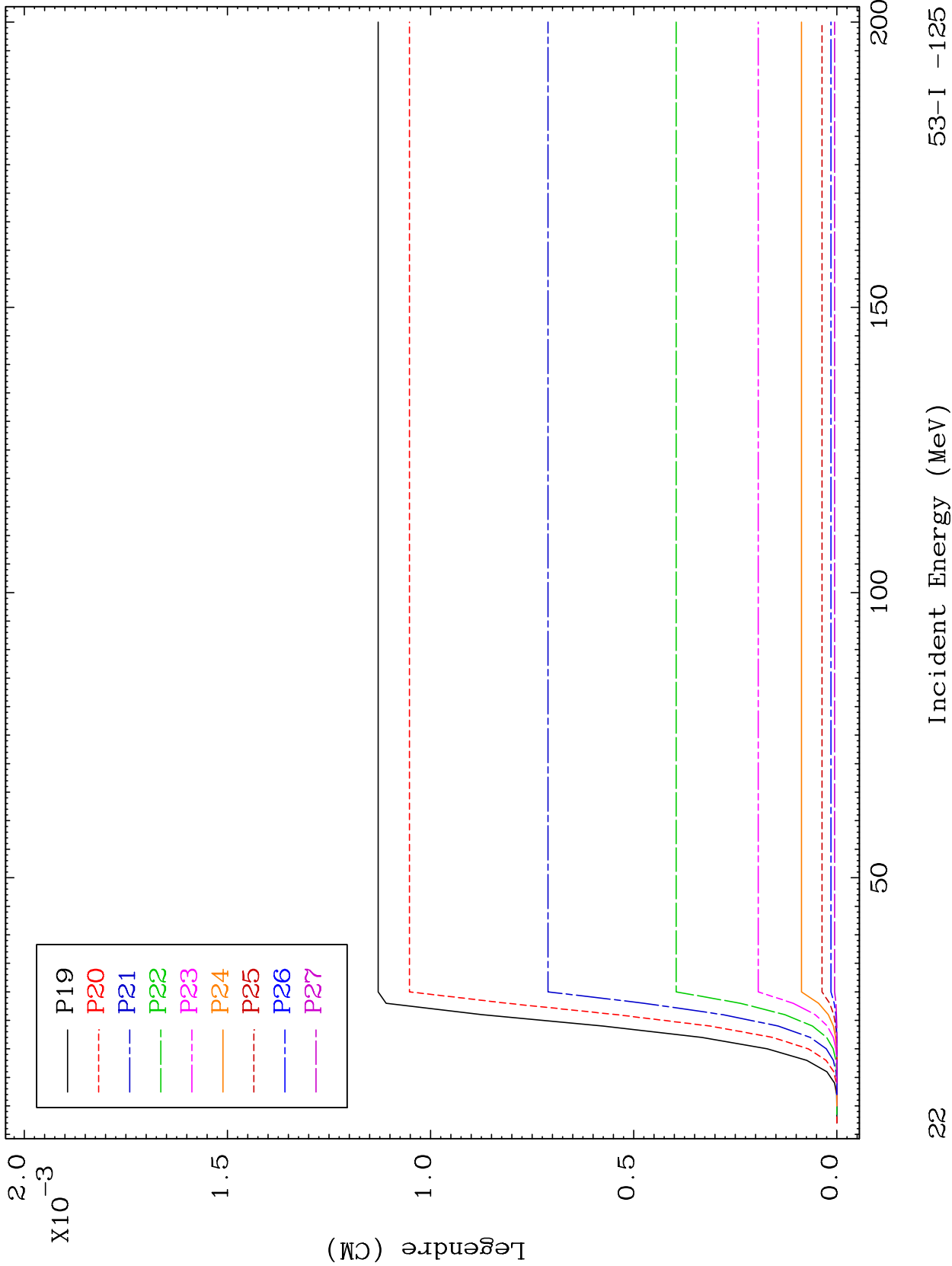
53-I -125

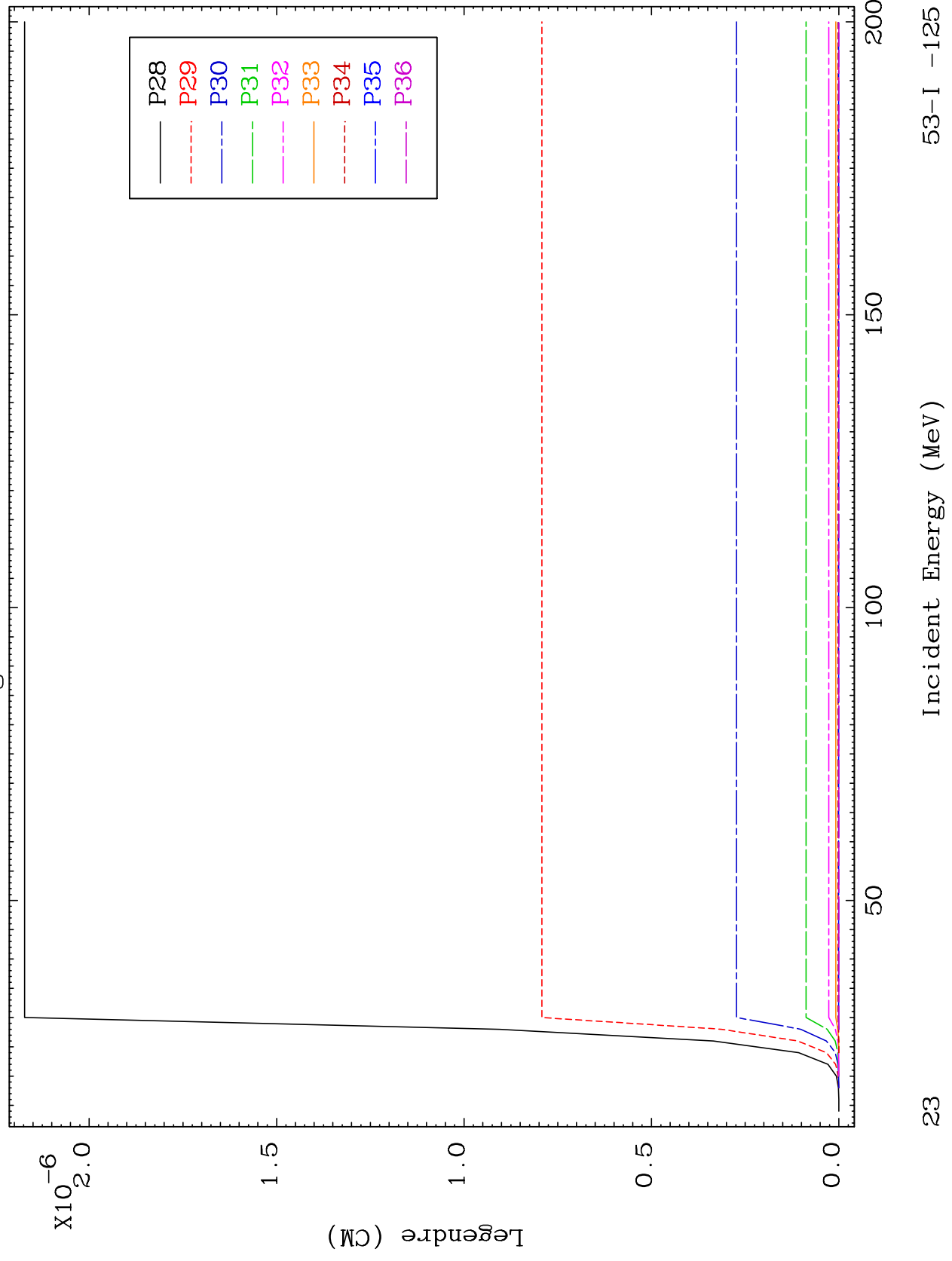


21

Incident Energy (MeV)

53-I -125

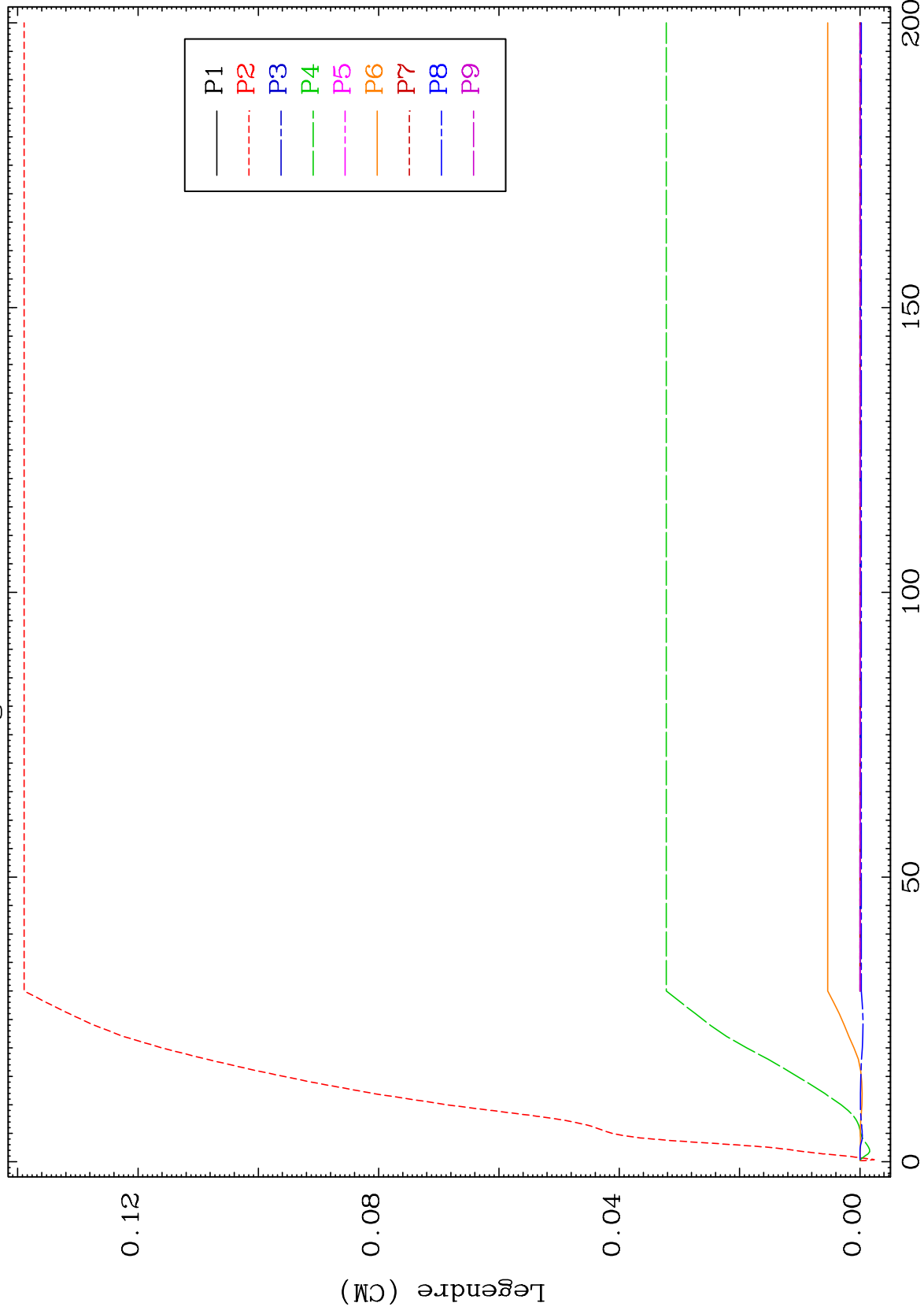




MAT 5319

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

53-I -125



24

Incident Energy (MeV)

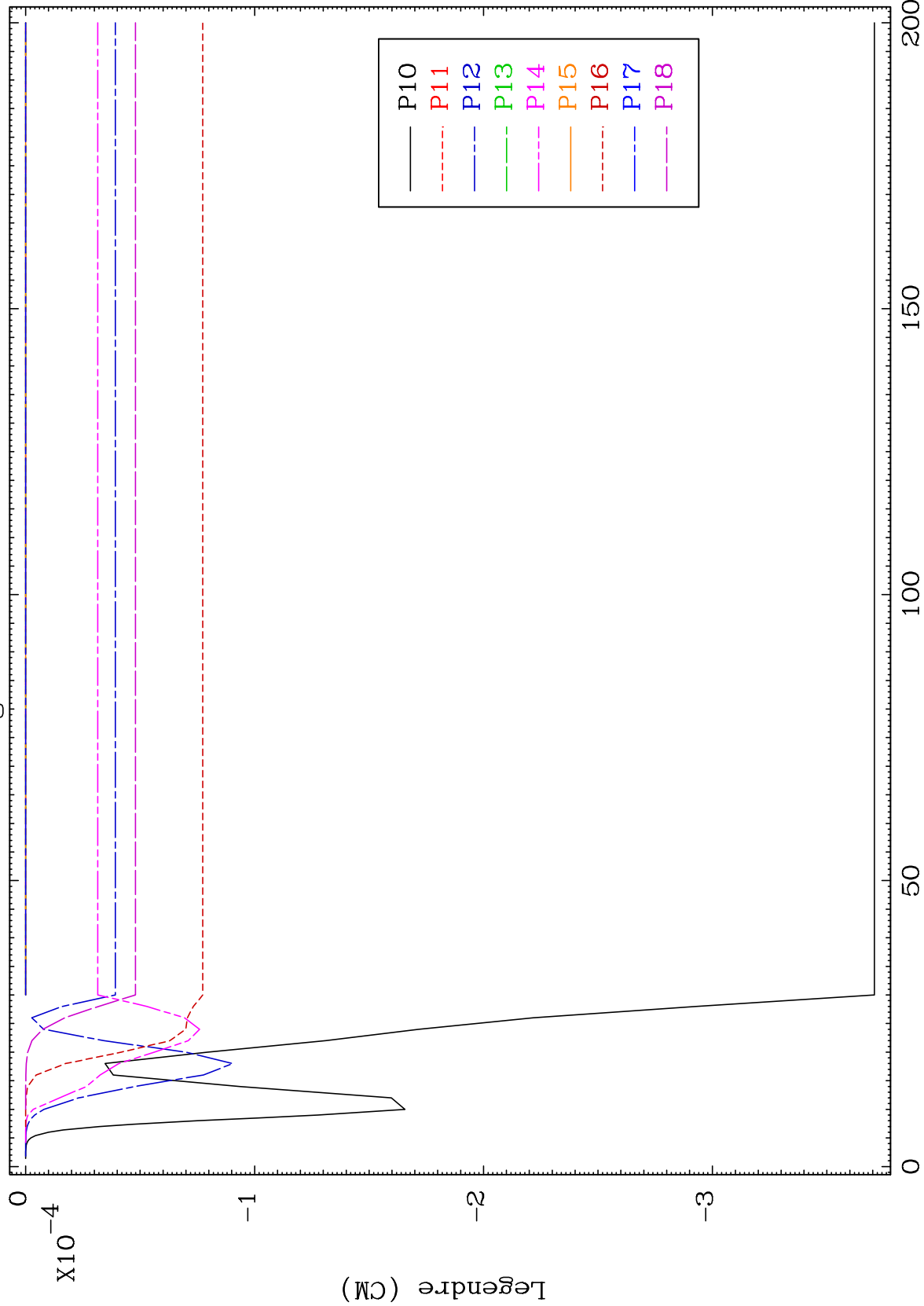
53-I -125

MAT 5319

MT= 52 (n,n') Level

53-I -125

Legendre Coefficients



0

50

100

150

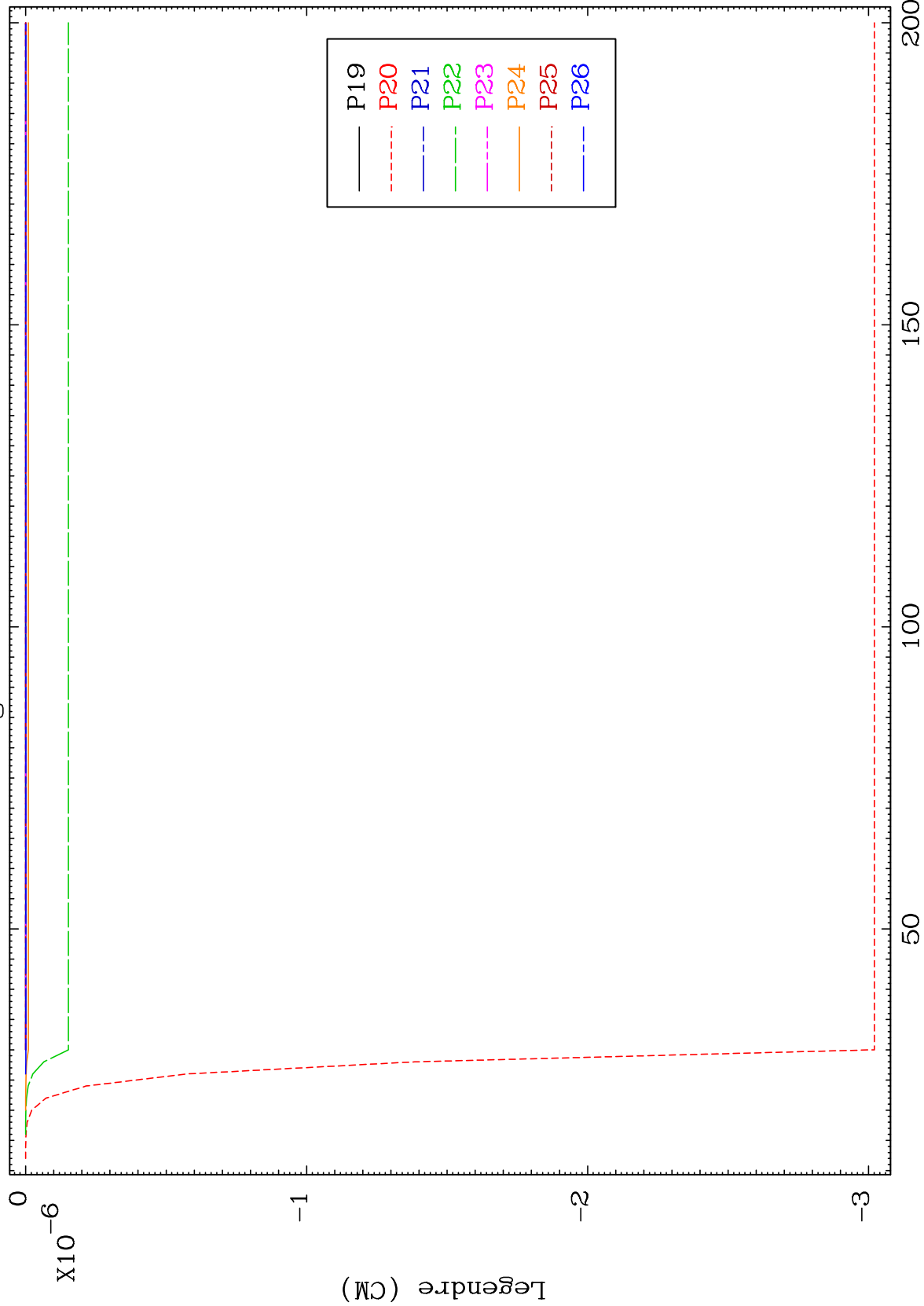
200

53-I -125

MAT 5319

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

53-I -125



26

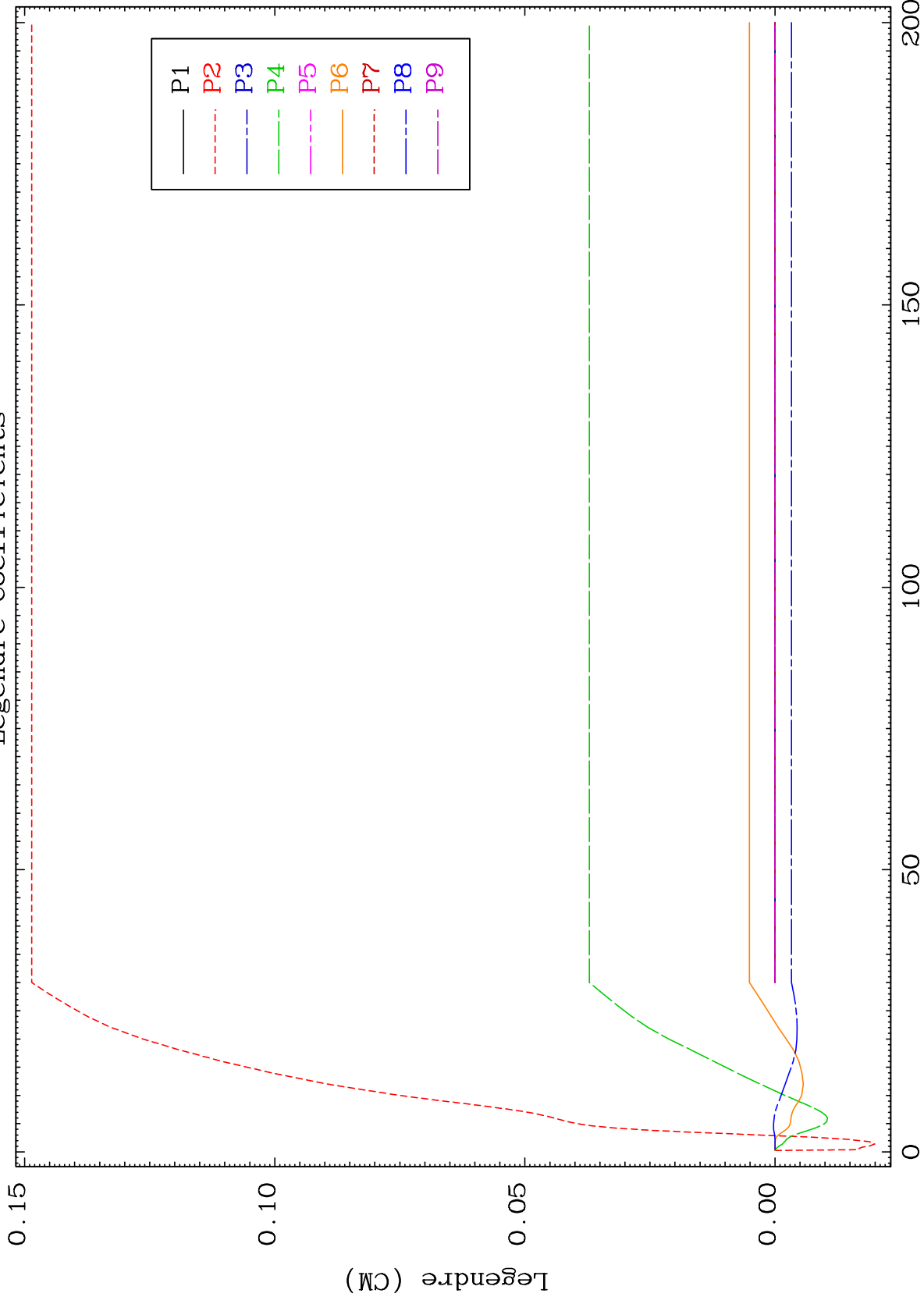
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



27

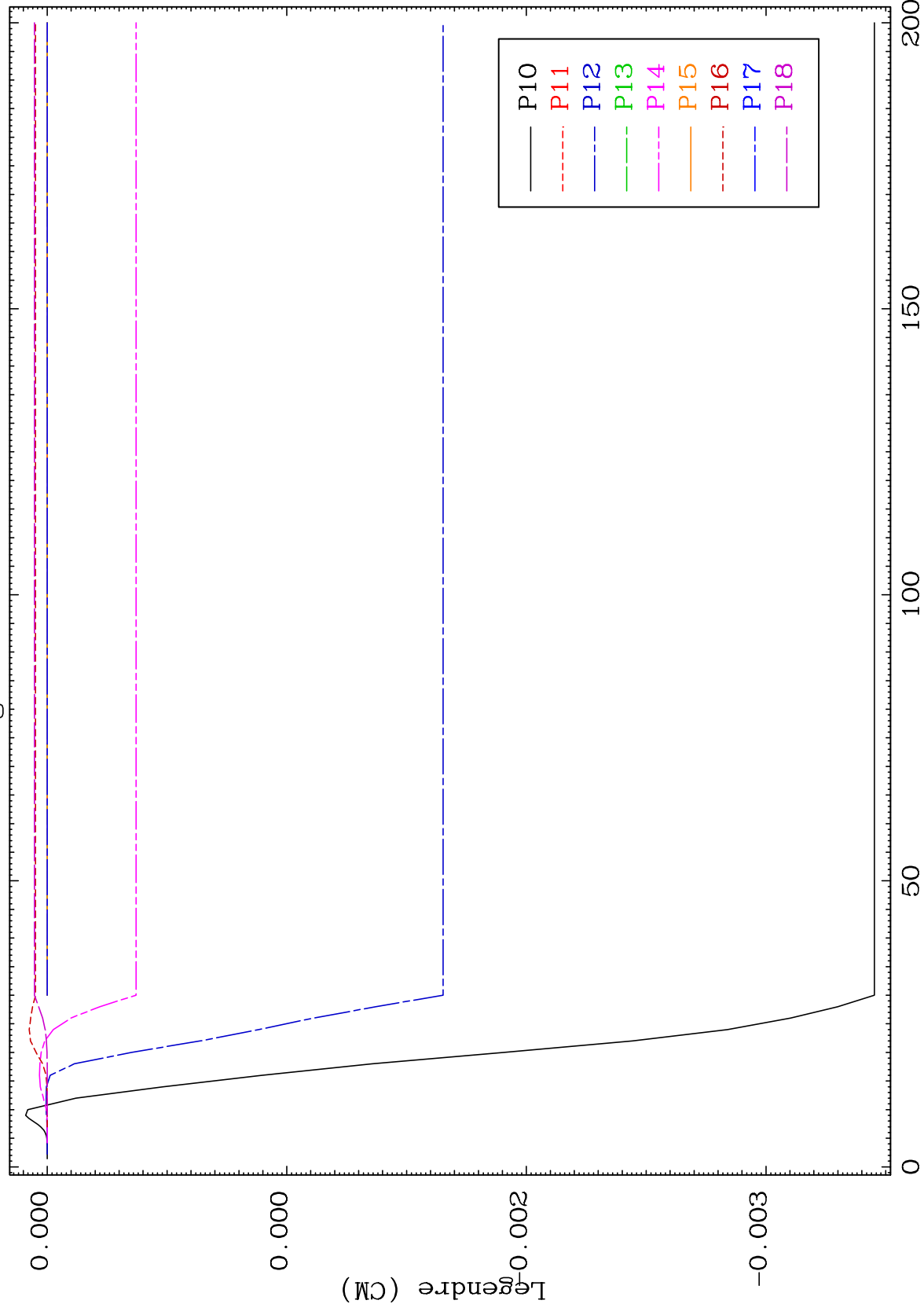
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125

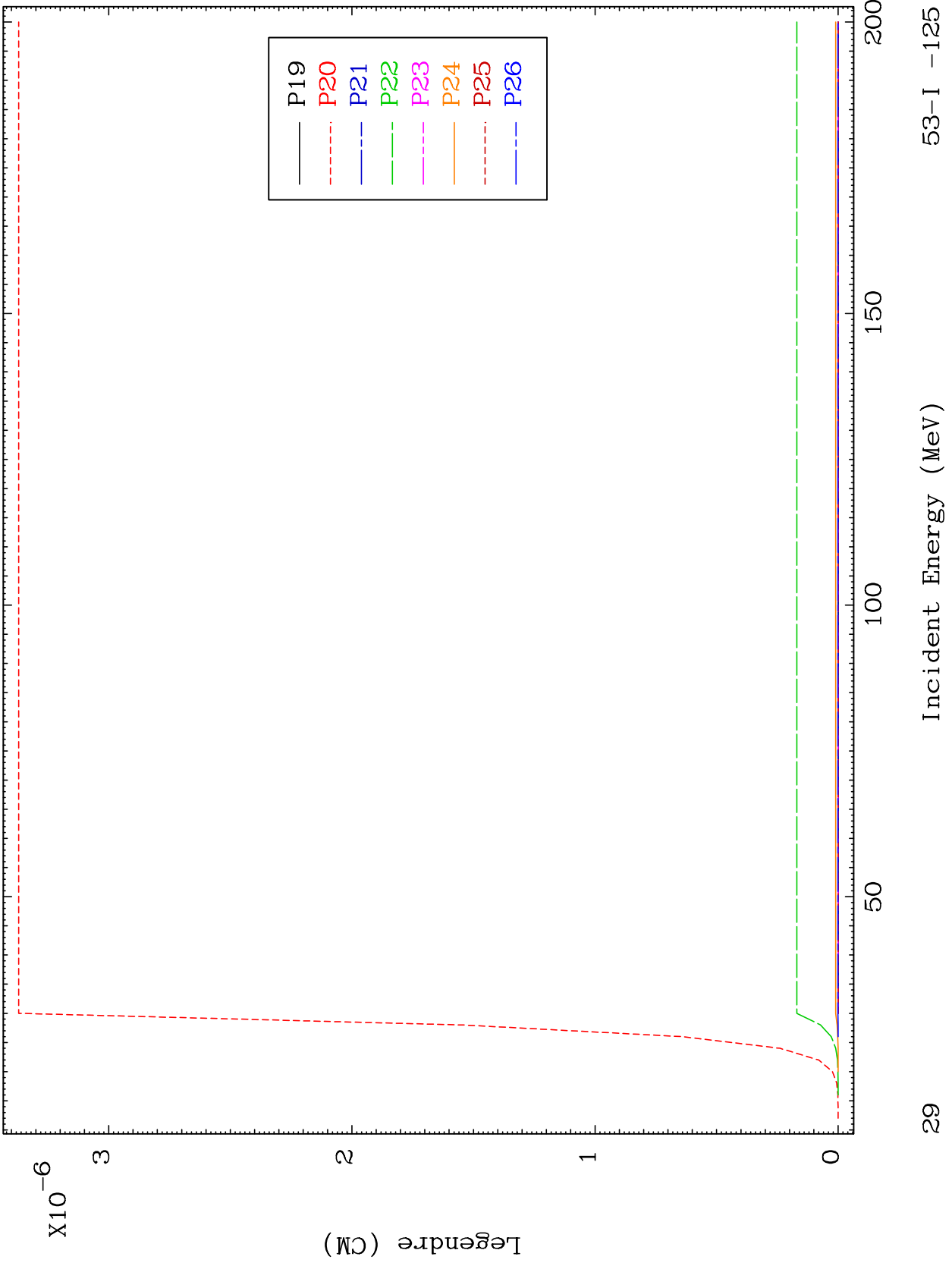


28

Incident Energy (MeV)

53-I -125

MAT 5319 MT= 53 (n,n') Level Legendre Coefficients 53-I -125

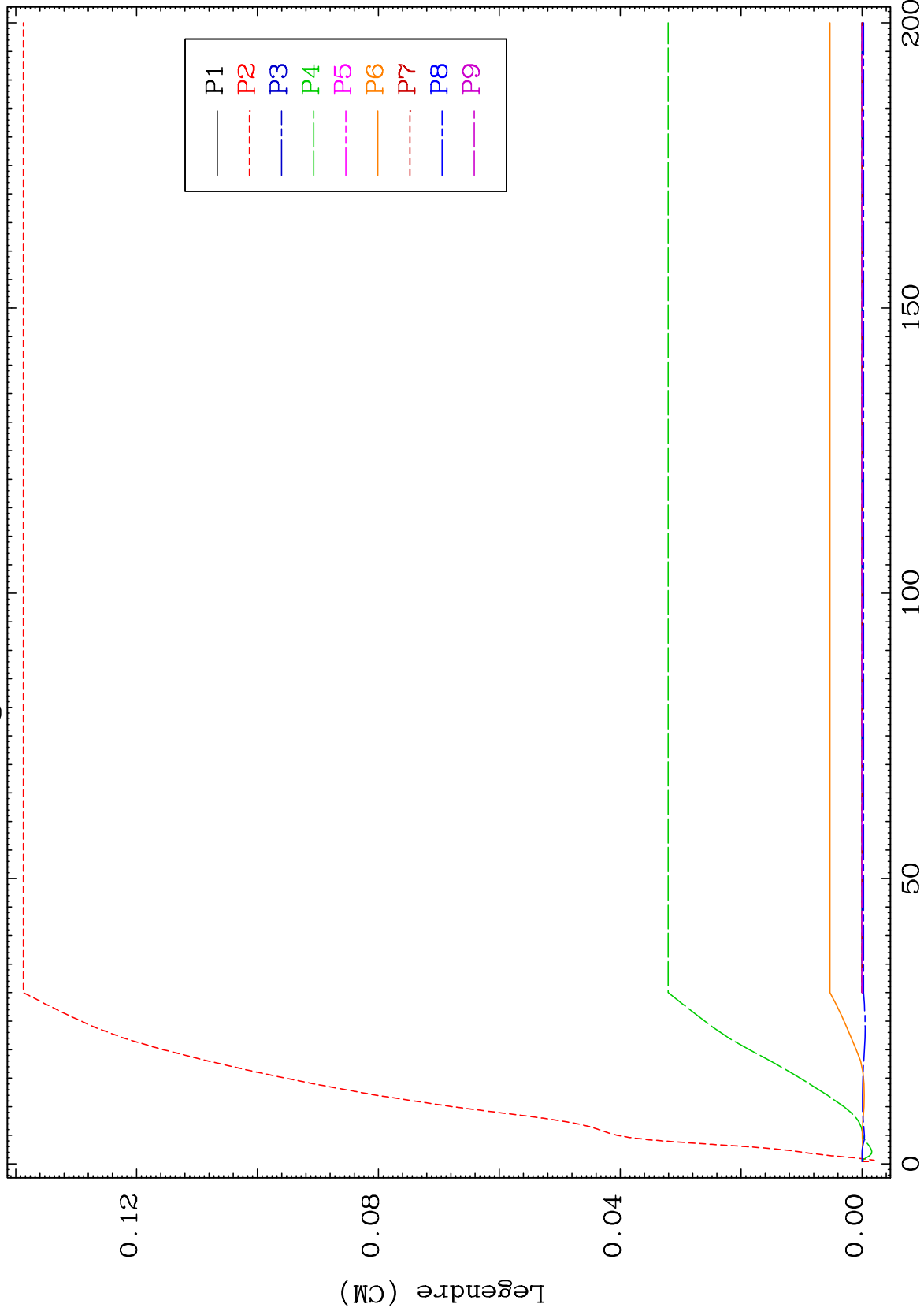


29 53-I -125

MAT 5319

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

53-I -125



53-I -125

Incident Energy (MeV)

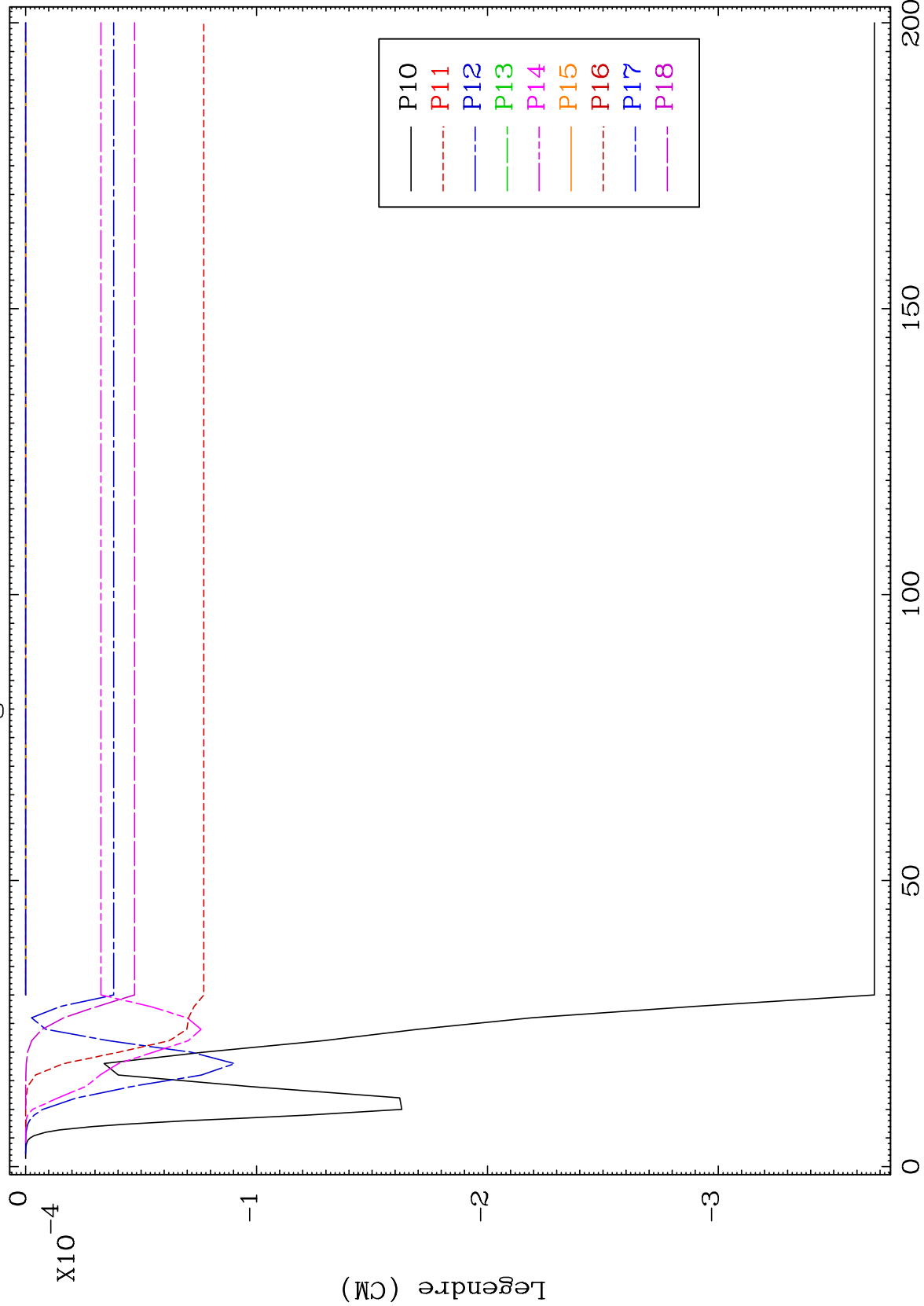
30

MAT 5319

MT= 54 (n,n') Level

53-I -125

Legendre Coefficients



31

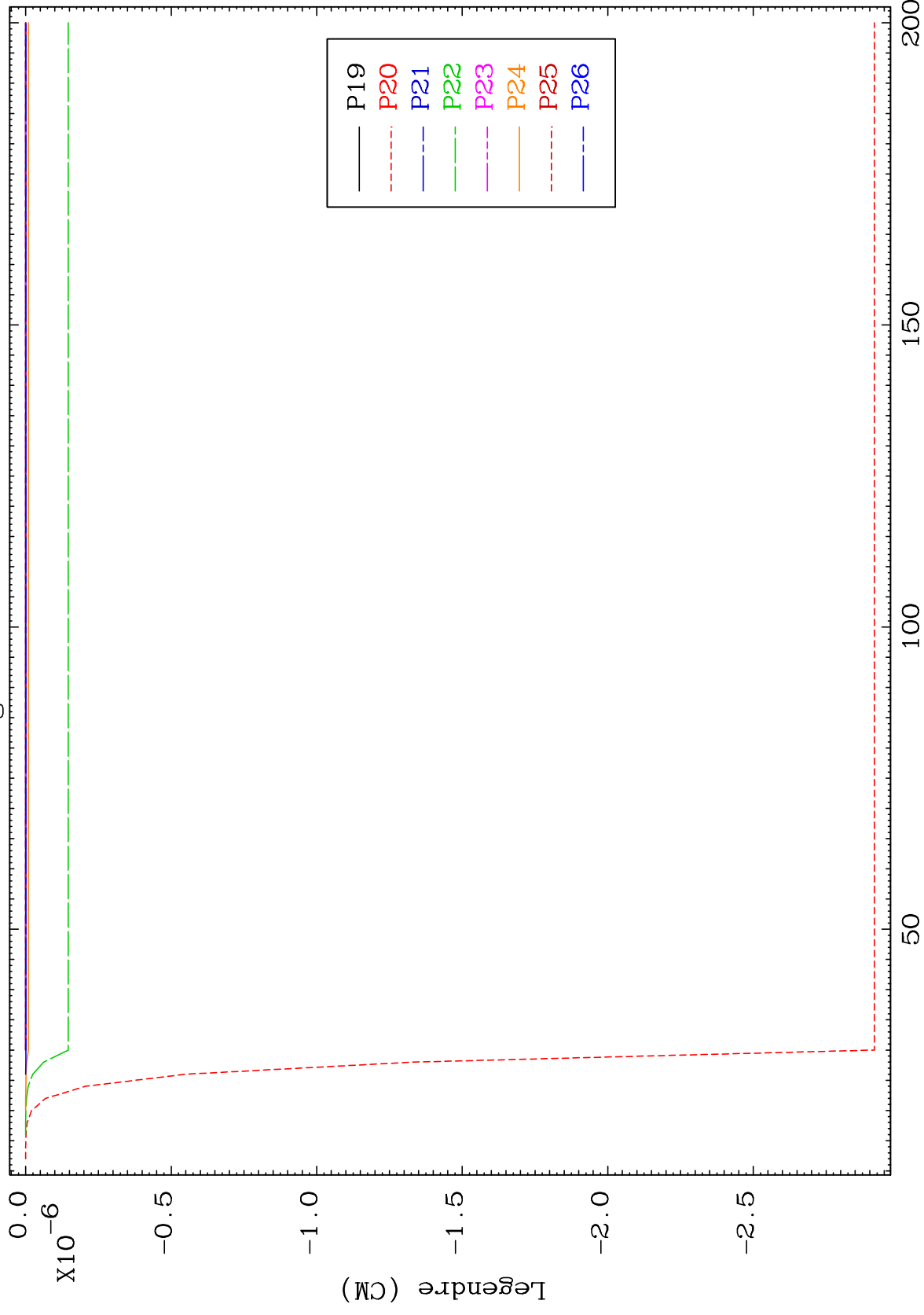
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



32

Incident Energy (MeV)

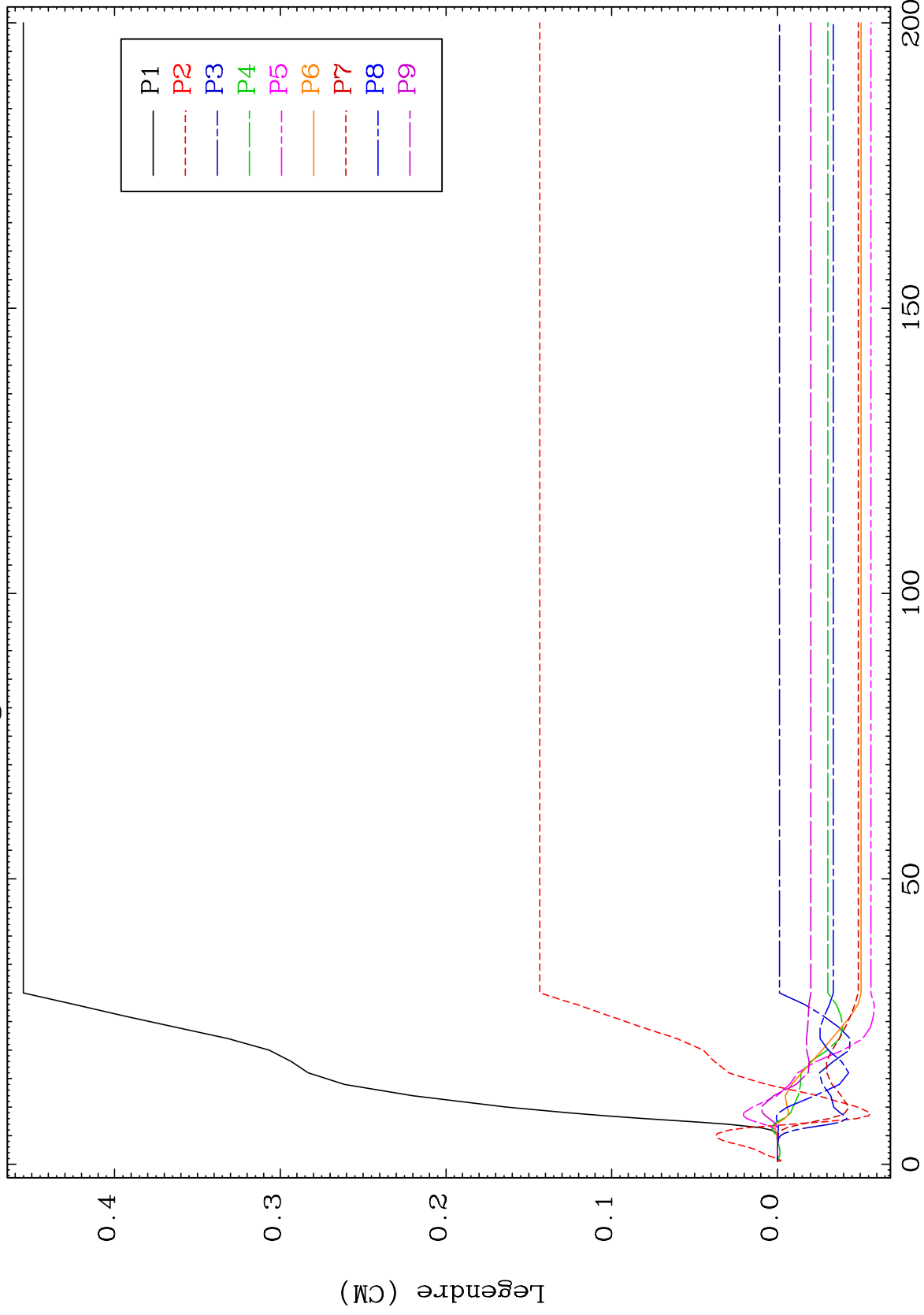
53-I -125

MAT 5319

MT= 55 (n,n') Level

53-I -125

Legendre Coefficients



33

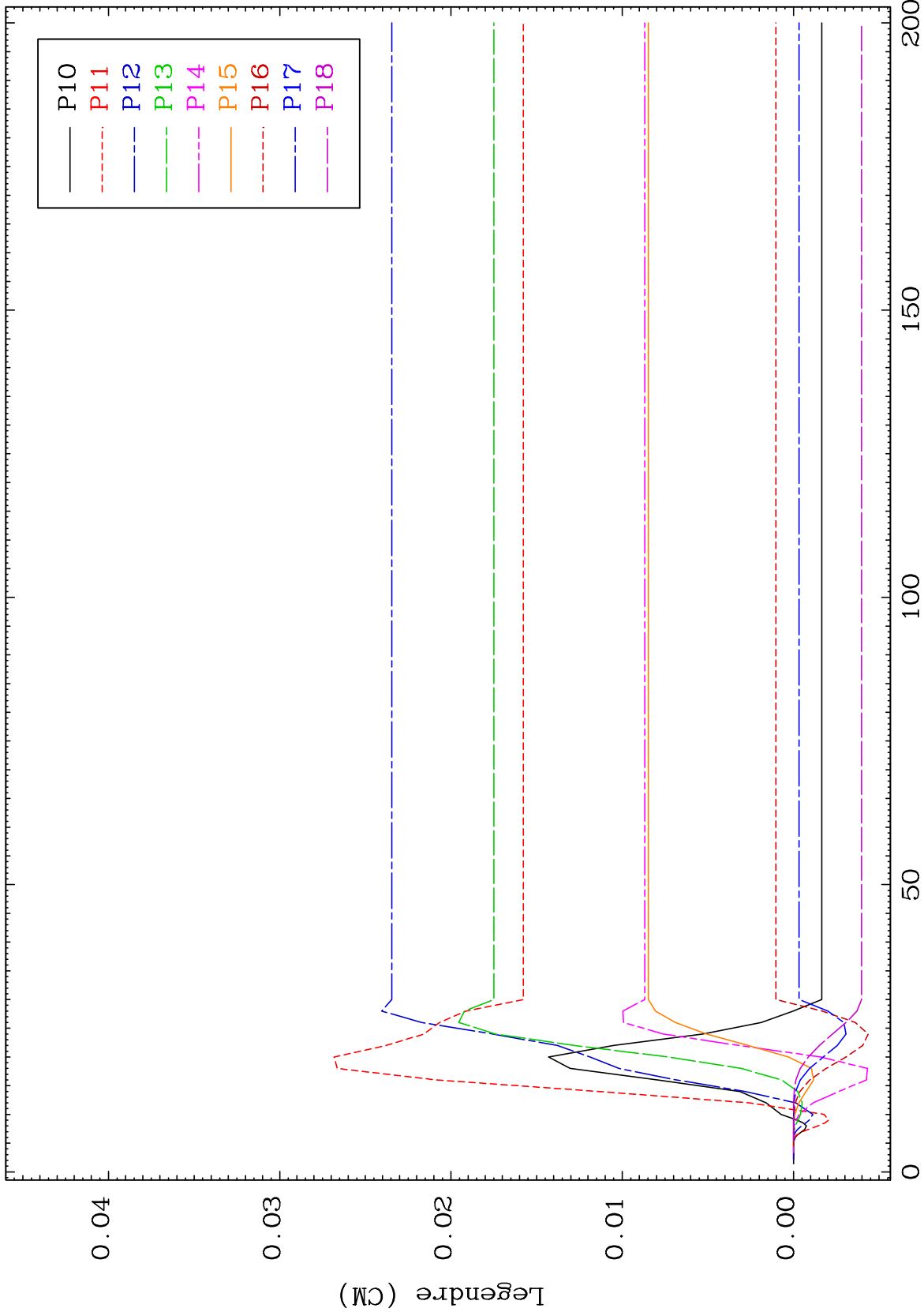
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



34

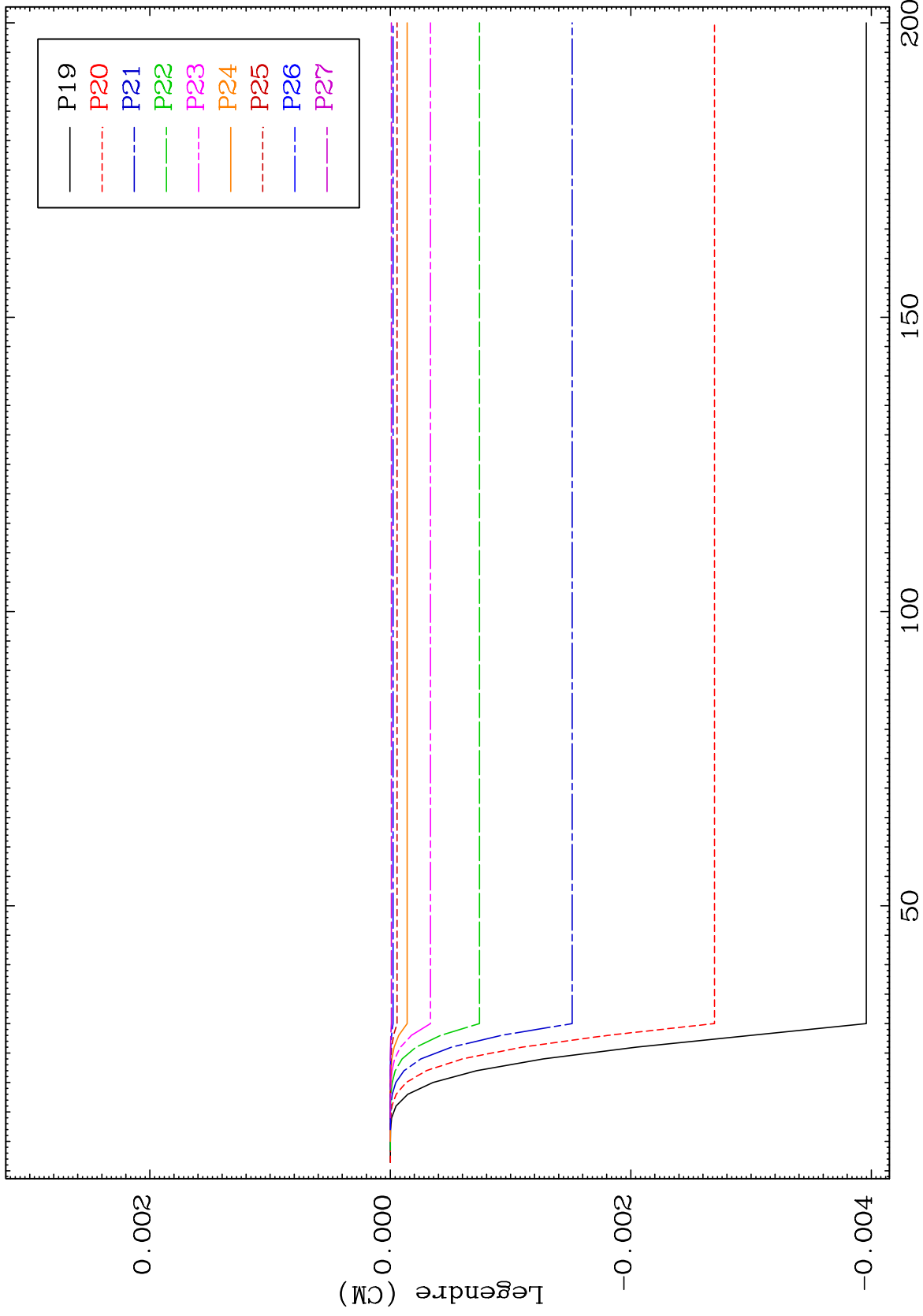
Incident Energy (MeV)

53-I -125

MAT 5319

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

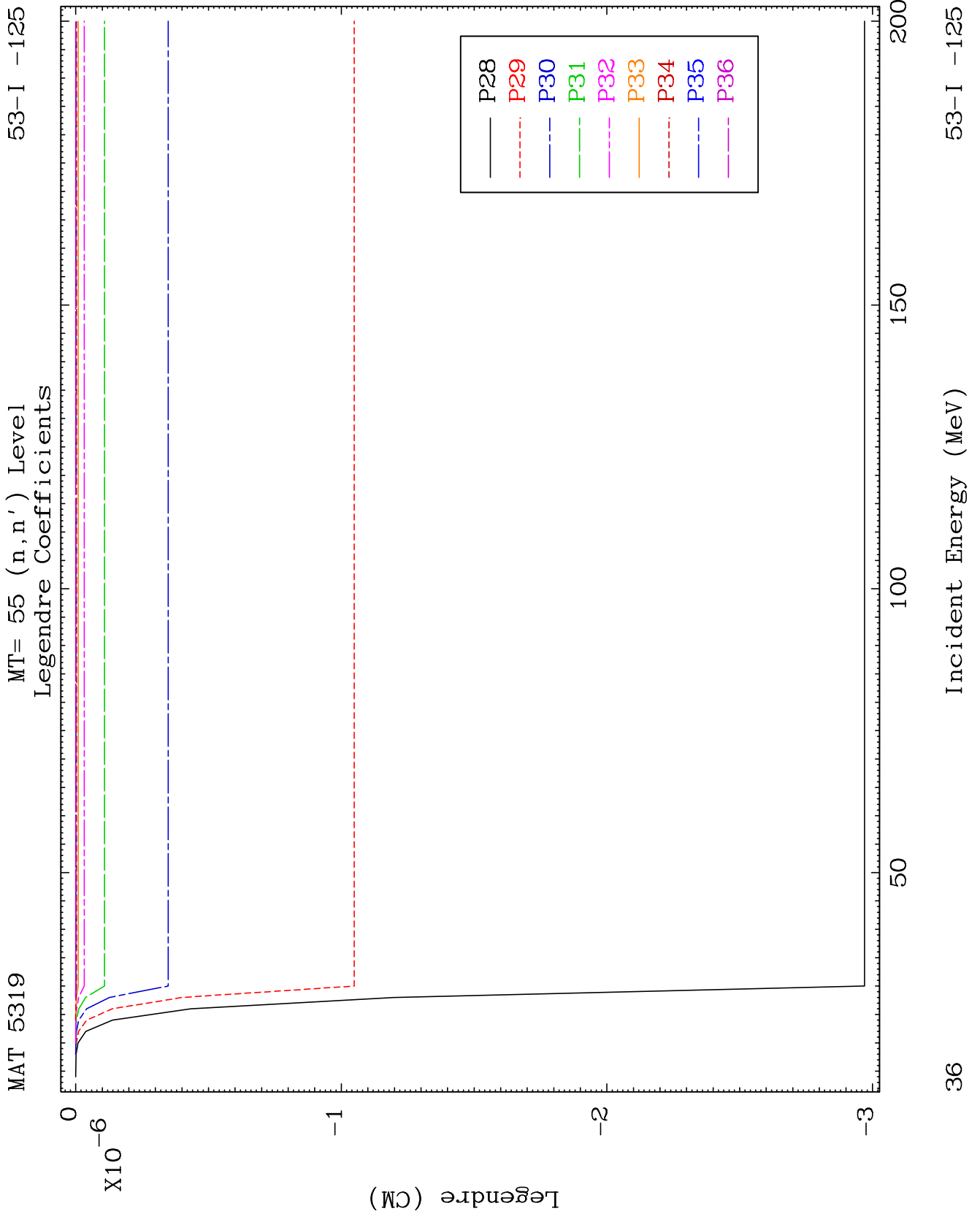
53-I -125



35

Incident Energy (MeV)

53-I -125

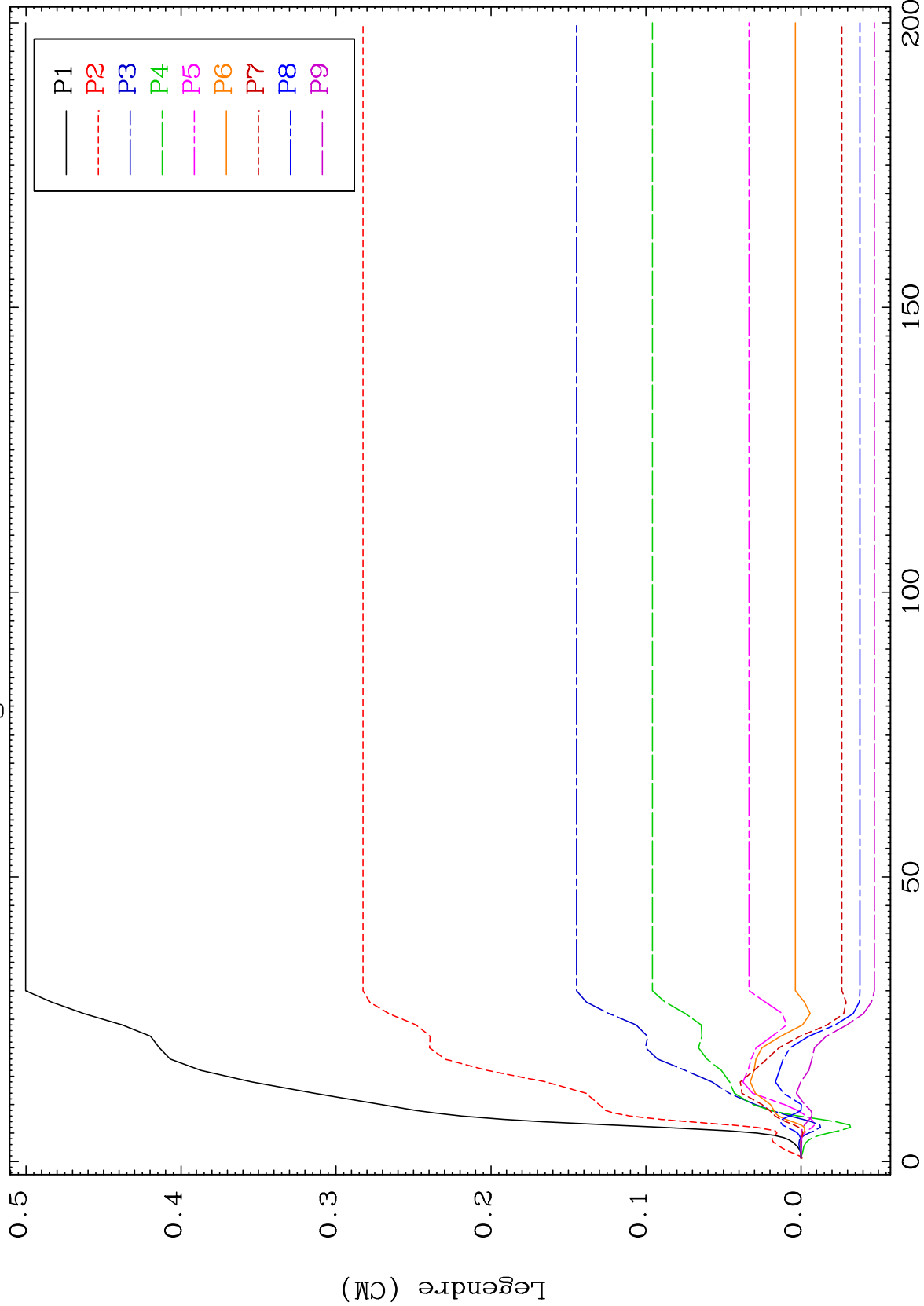


MAT 5319

MT= 56 (n,n') Level

53-I -125

Legendre Coefficients



37

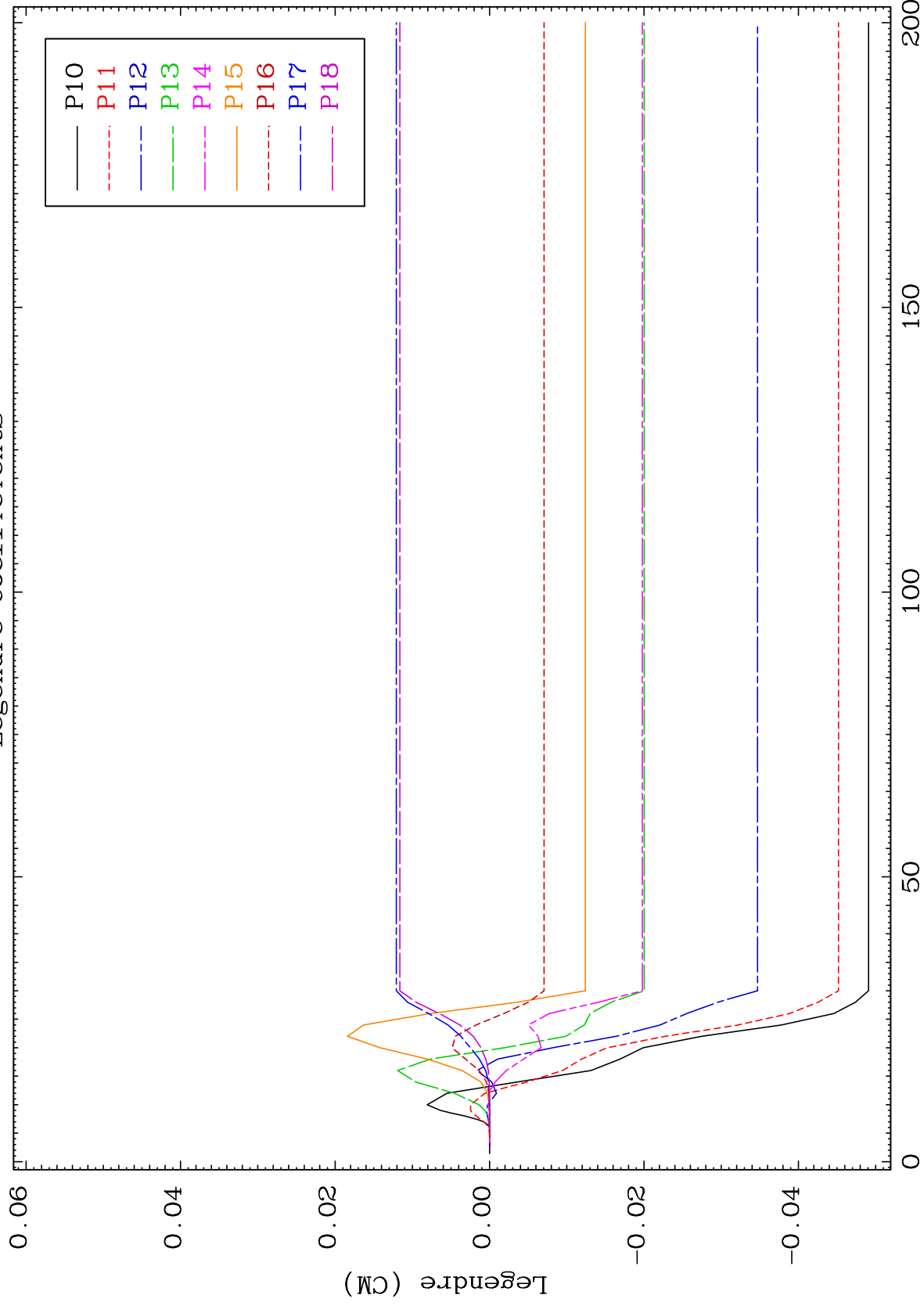
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



38

Incident Energy (MeV)

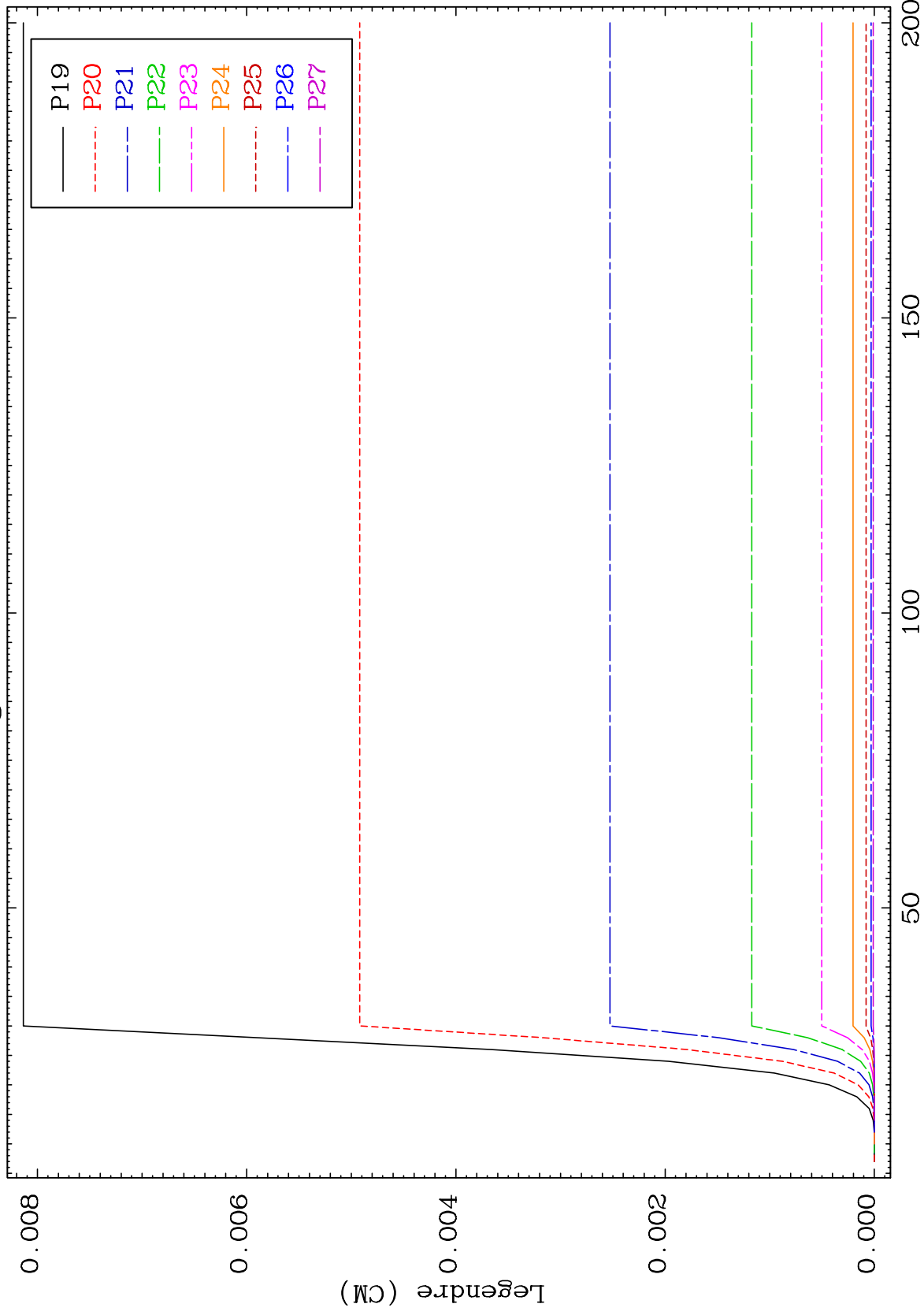
53-I -125

MAT 5319

MT= 56 (n,n') Level

53-I -125

Legendre Coefficients



39

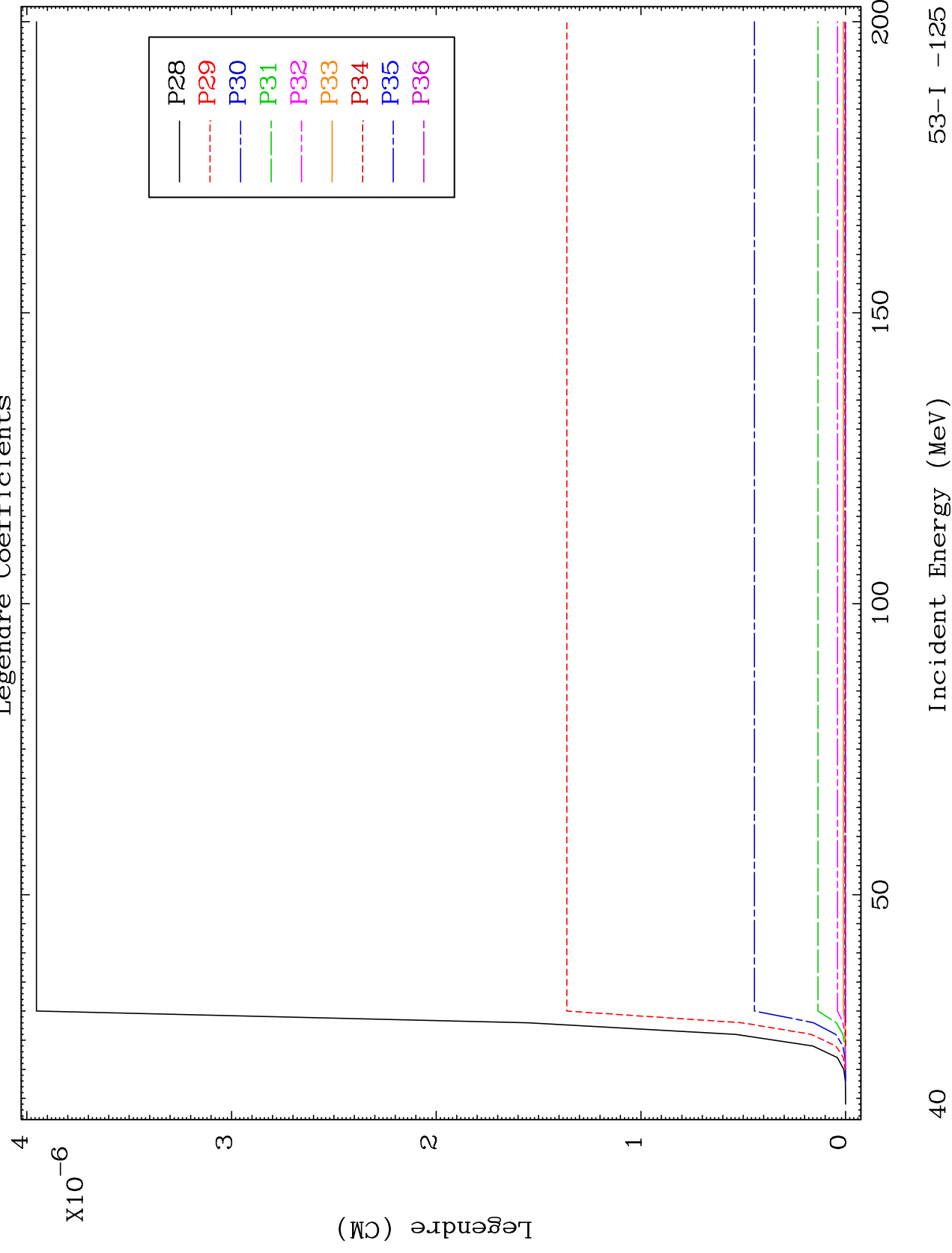
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



40

50

100

150

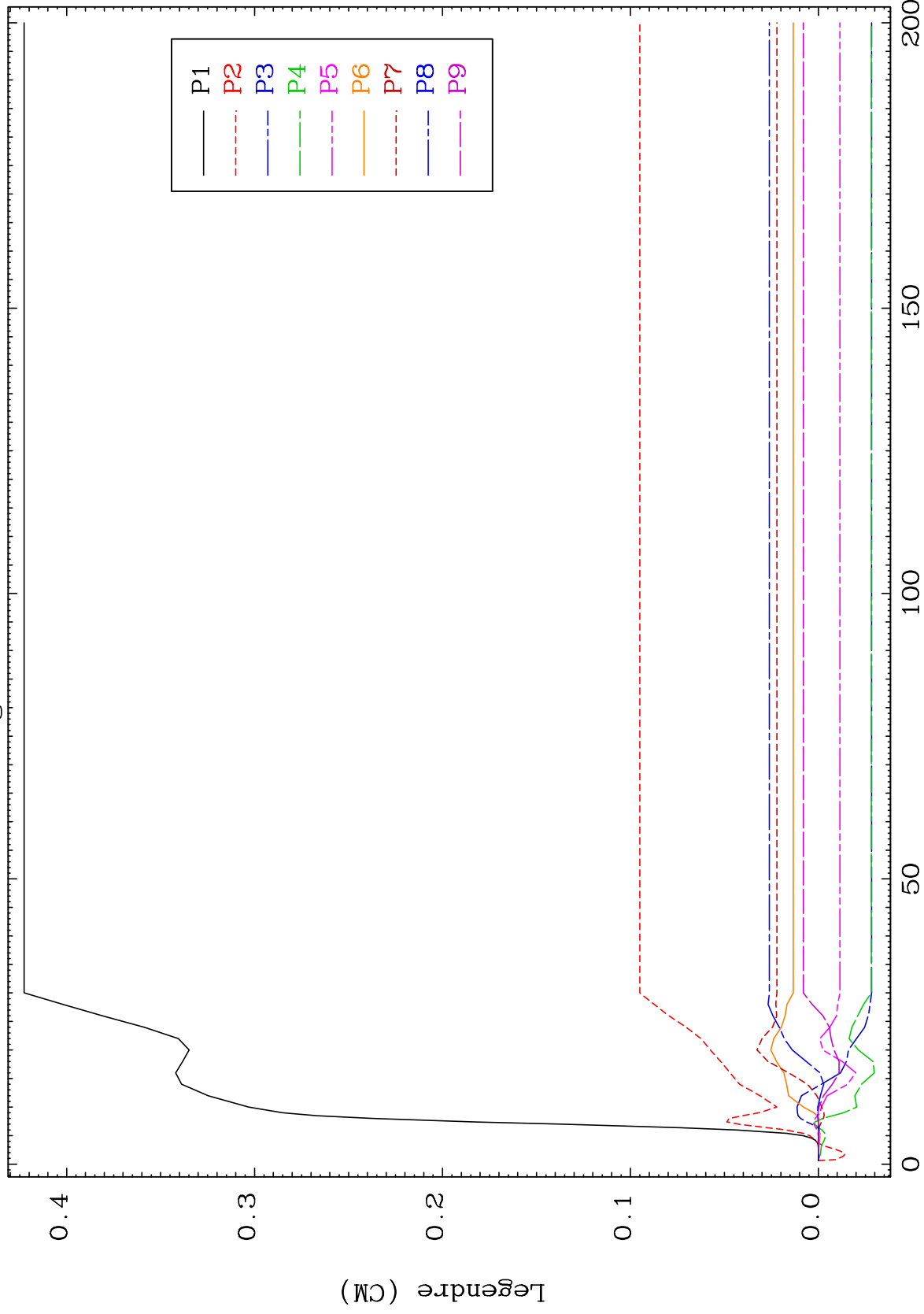
200

53-I -125

MAT 5319

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

53-I -125



41

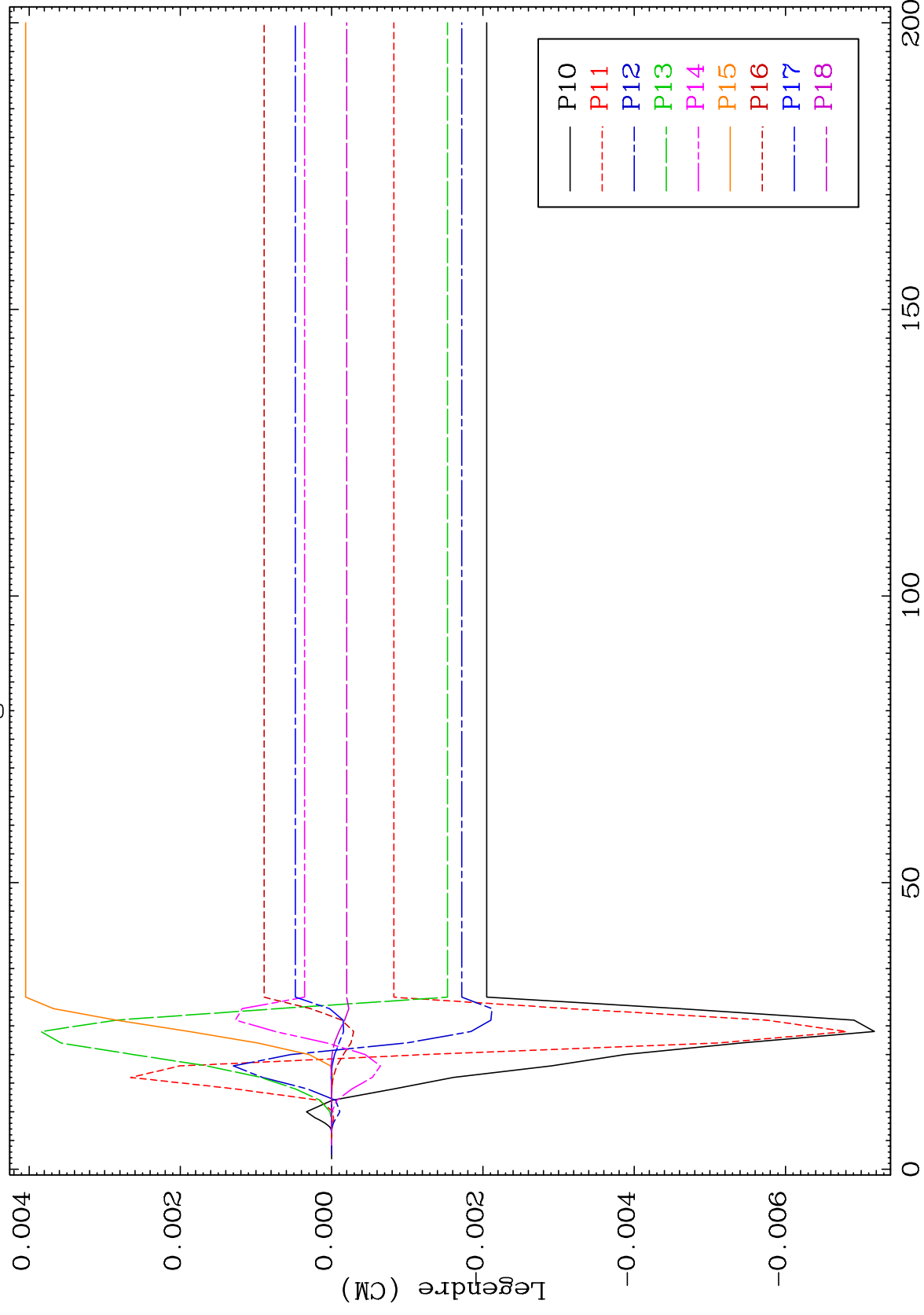
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



42

Incident Energy (MeV)

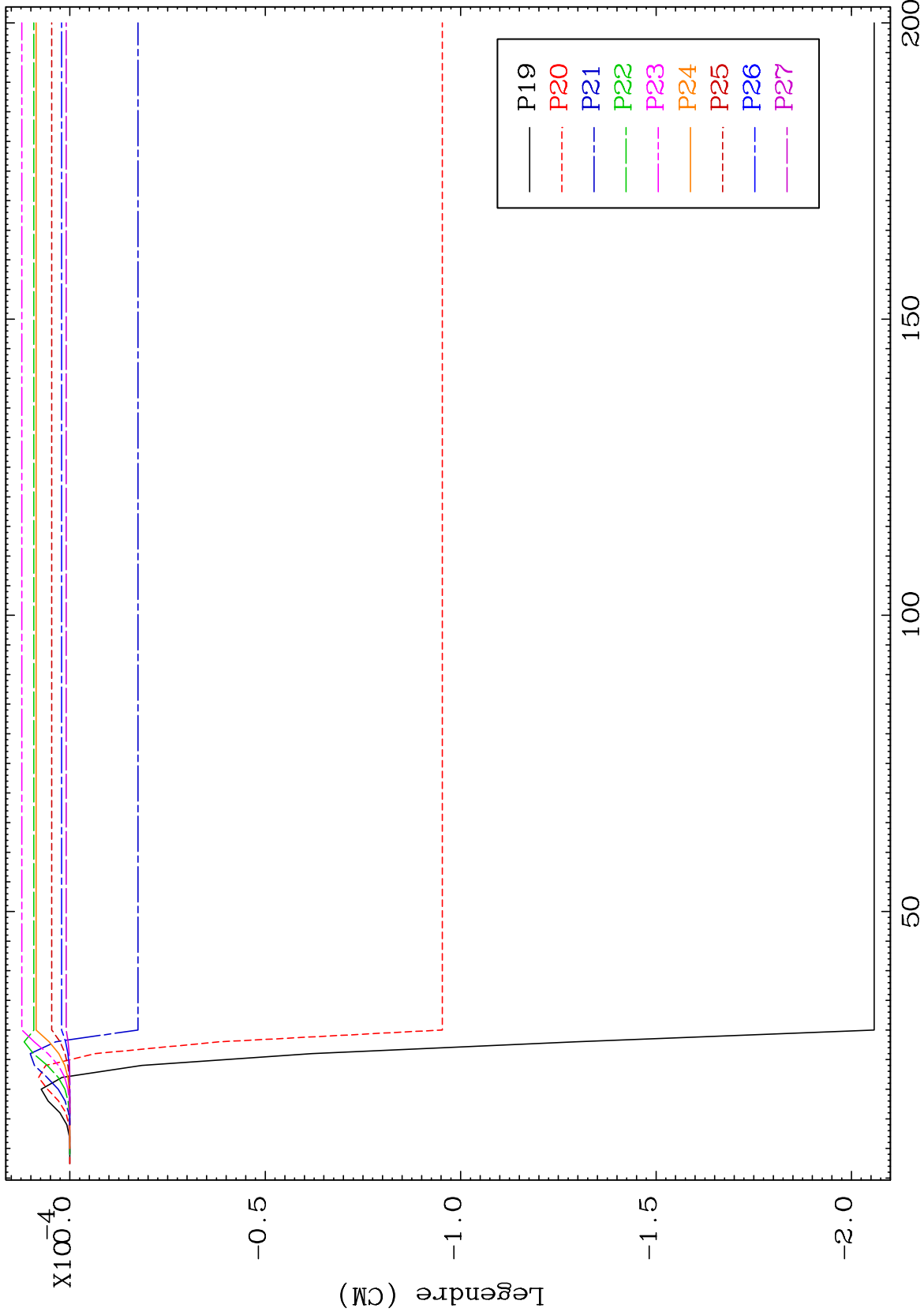
53-I -125

MAT 5319

MT= 57 (n,n') Level

53-I -125

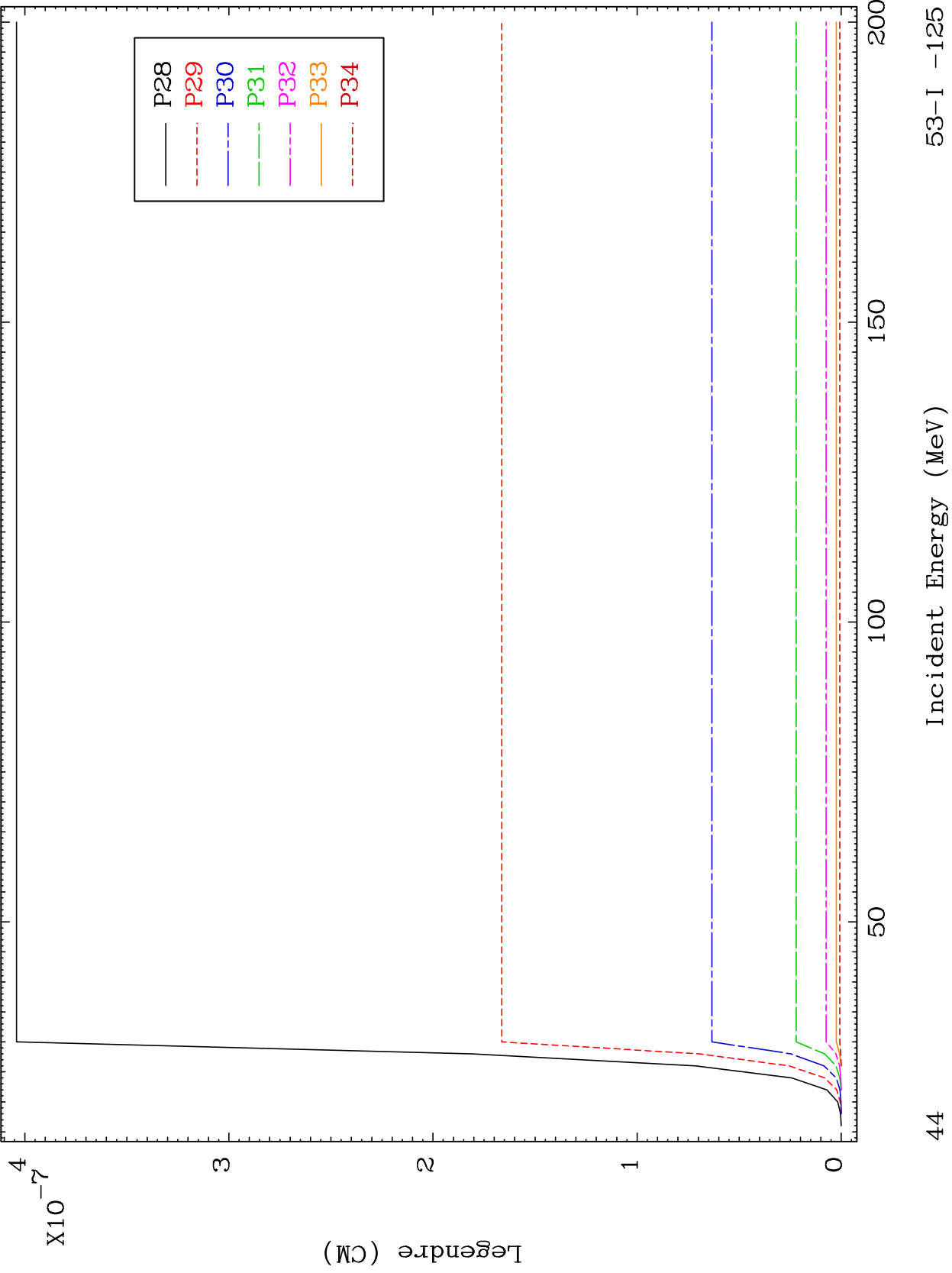
Legendre Coefficients



MAT 5319

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

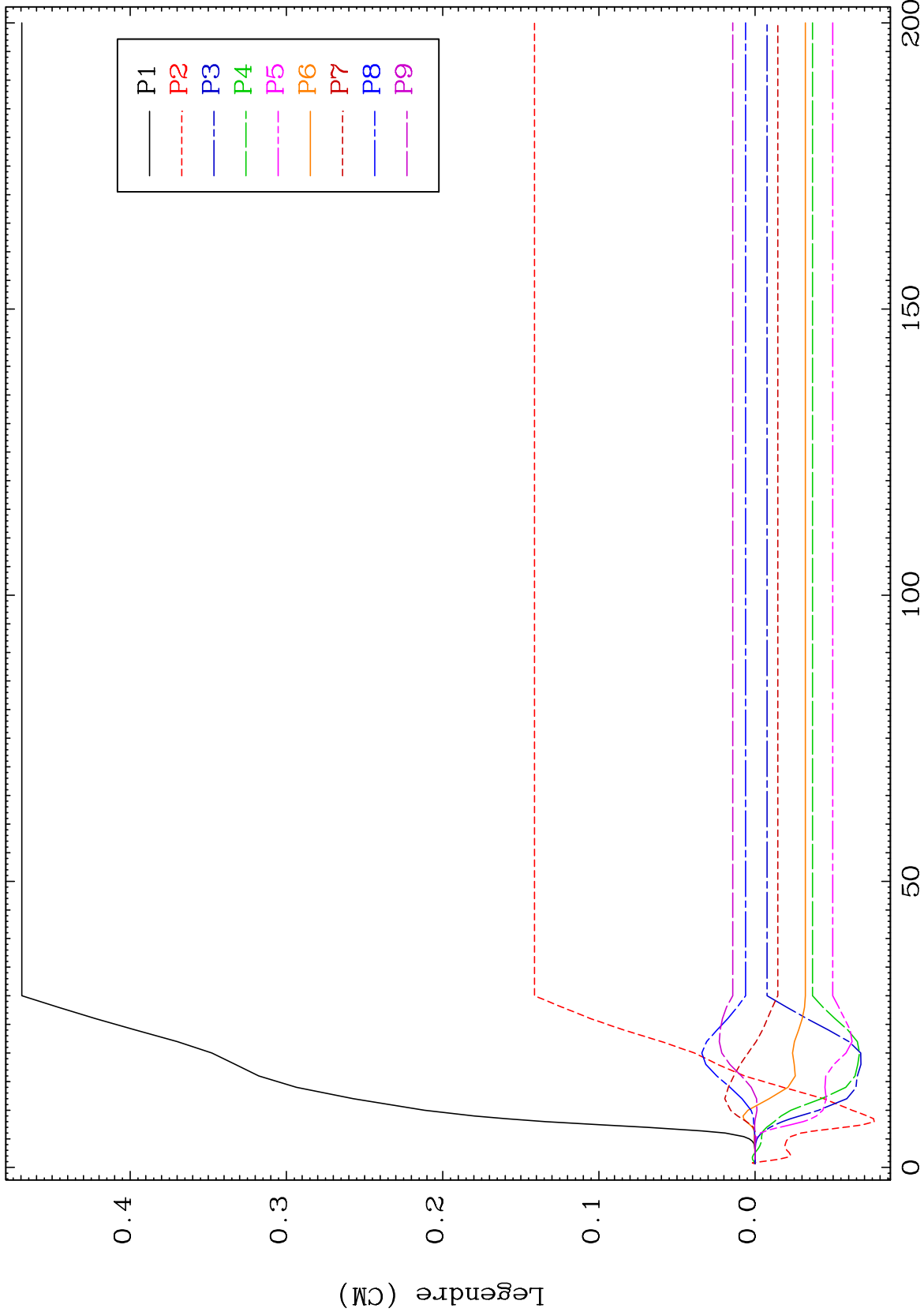
53-I -125



MAT 5319

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

53-I -125



45

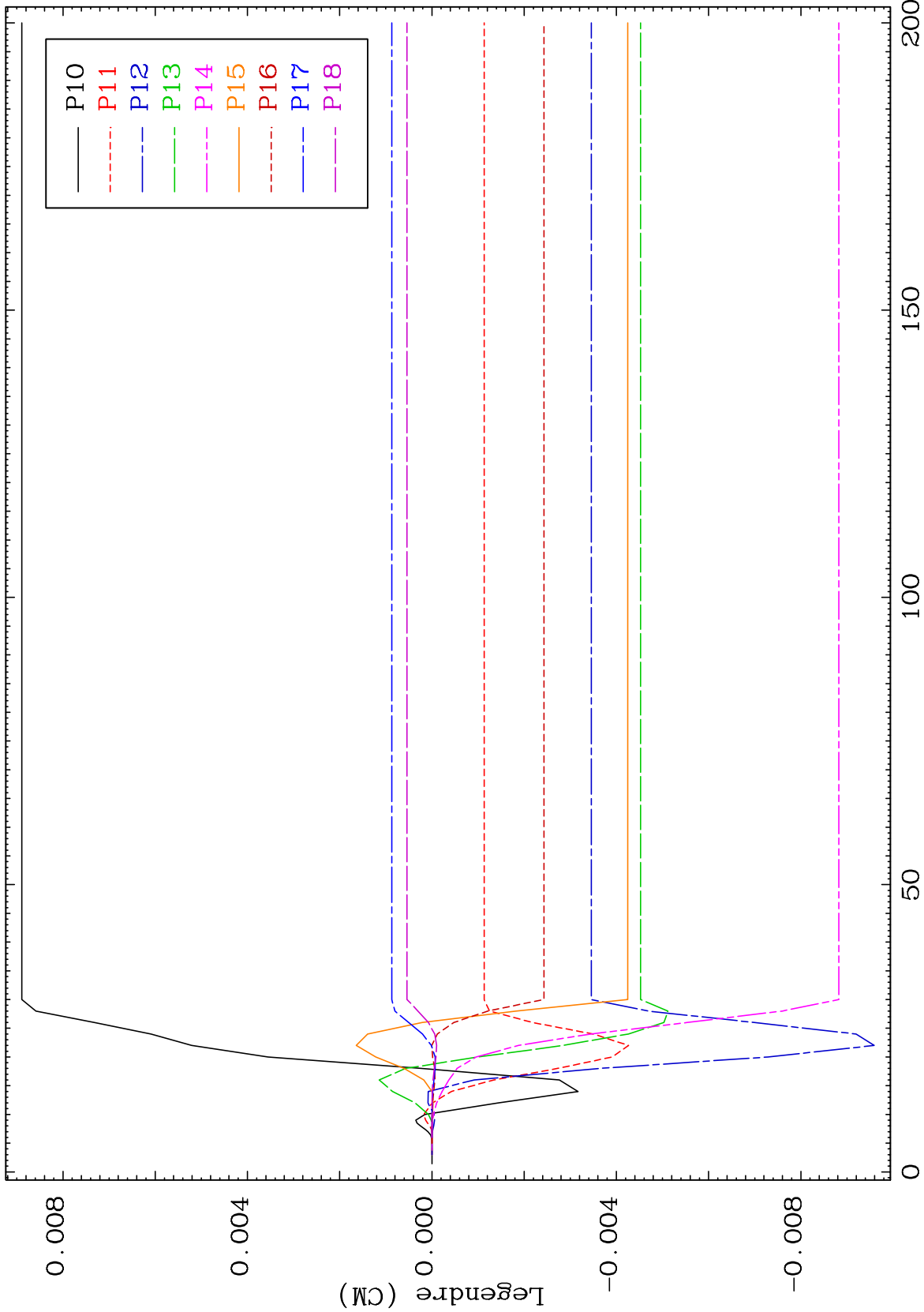
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



46

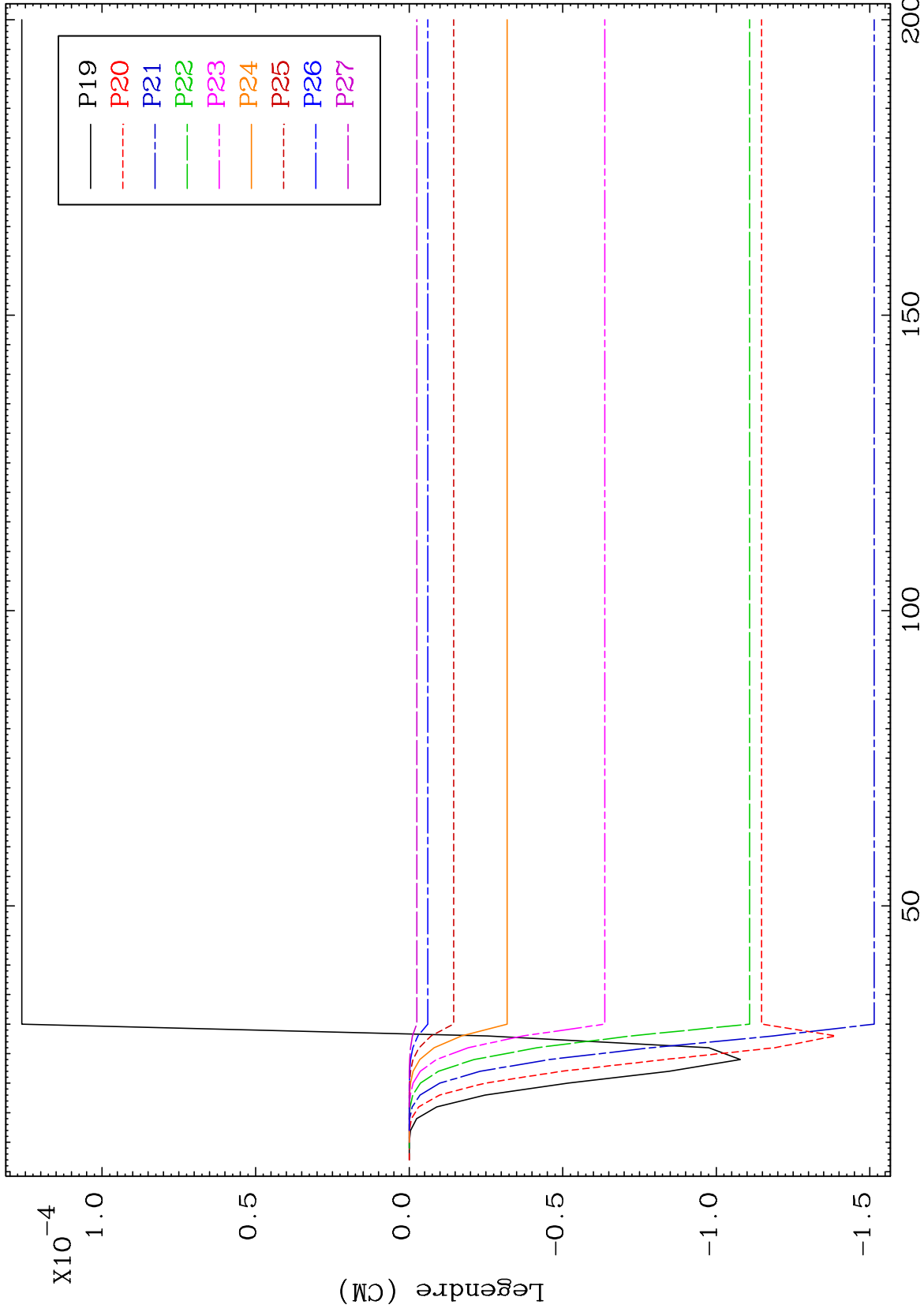
Incident Energy (MeV)

53-I -125

MAT 5319

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

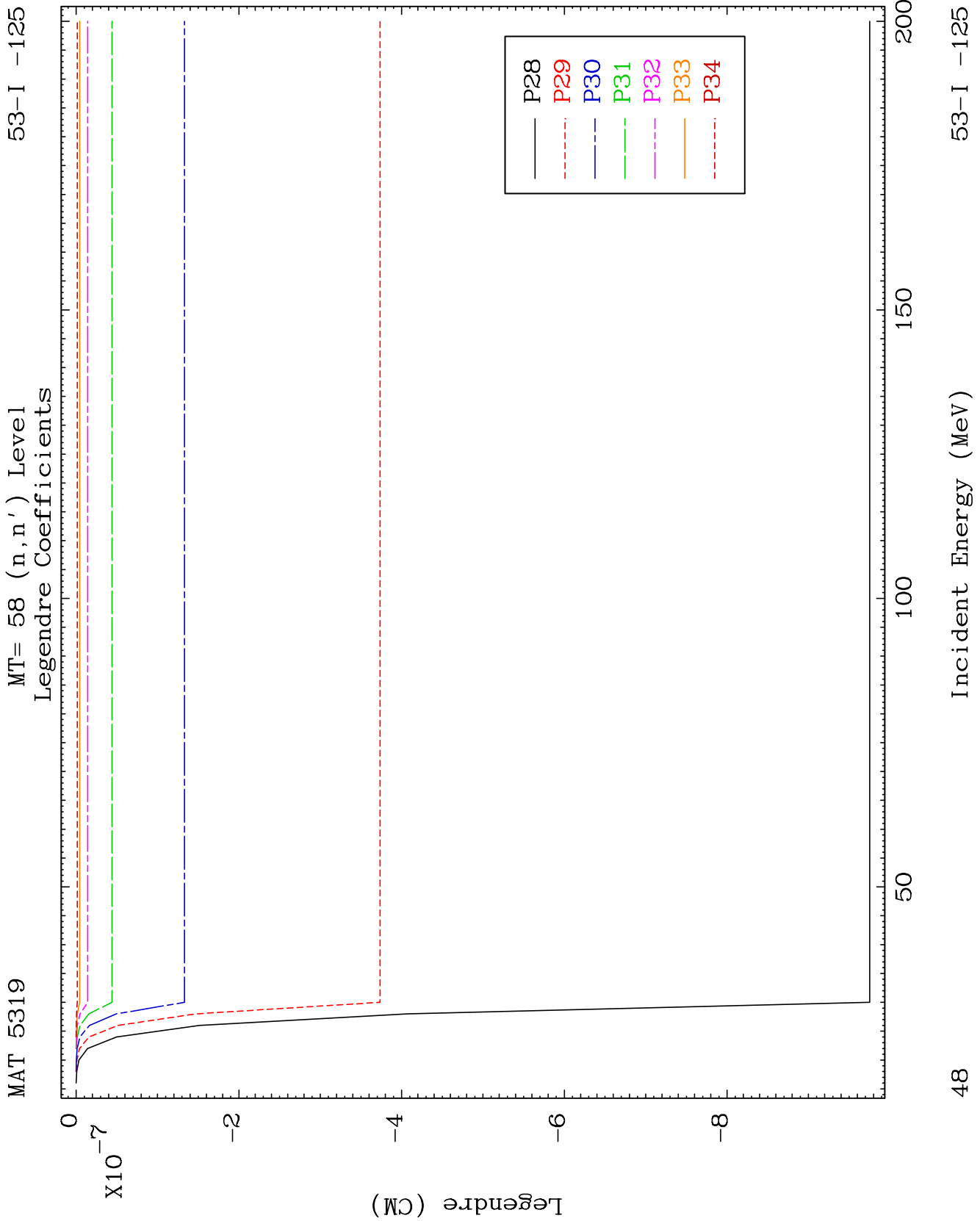
53-I -125



47

Incident Energy (MeV)

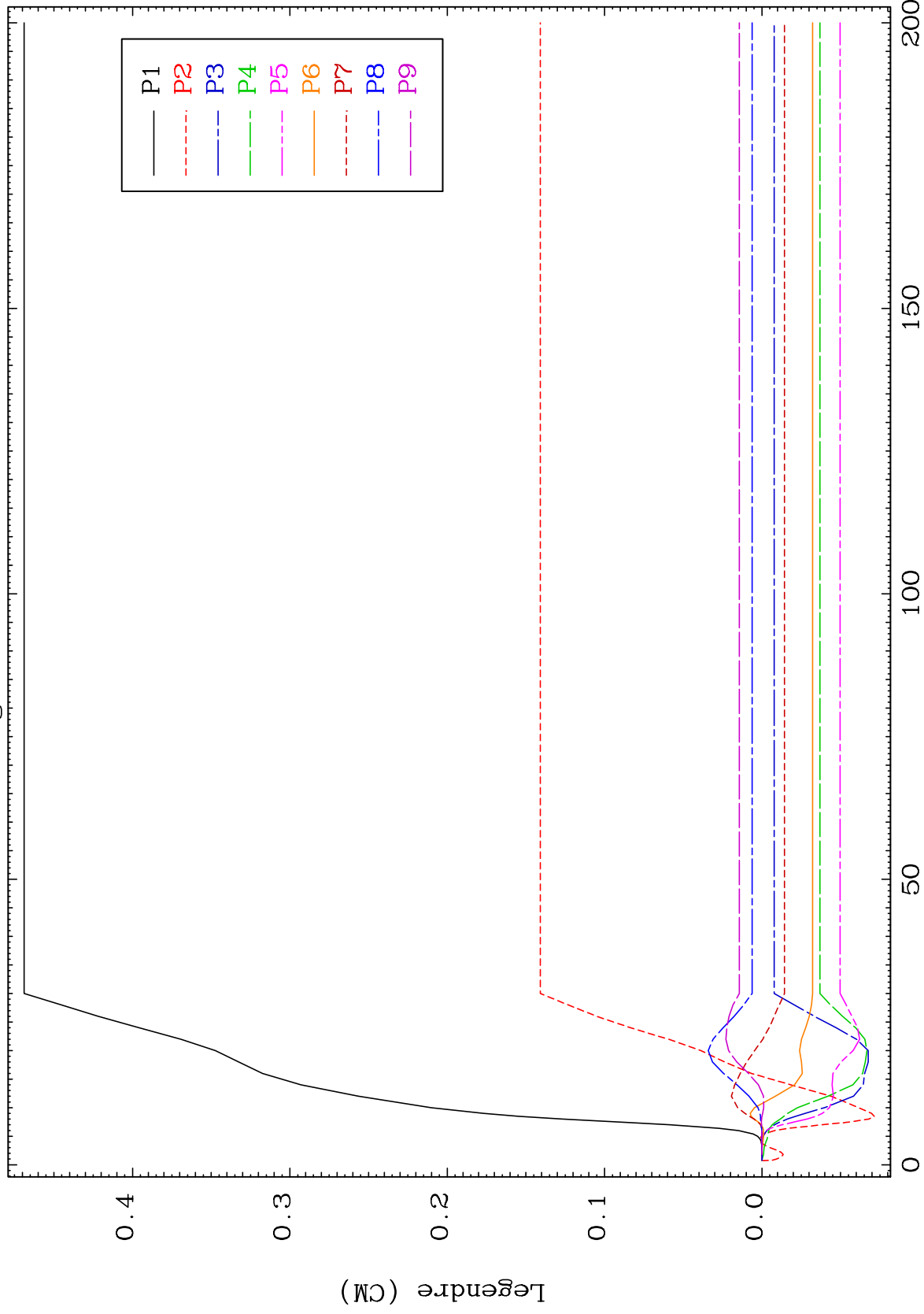
53-I -125



MAT 5319

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

53-I -125



49

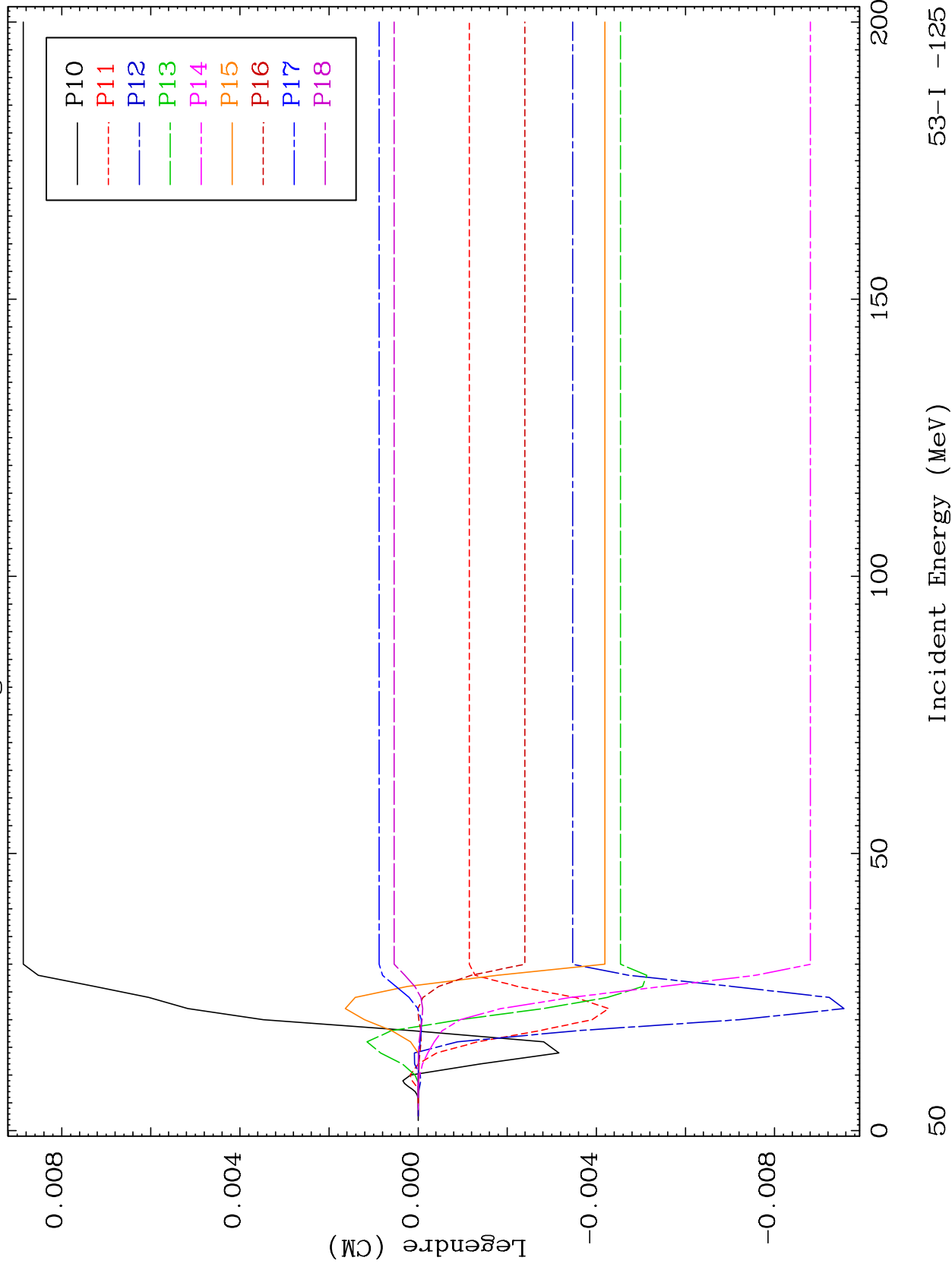
Incident Energy (MeV)

53-I -125

MAT 5319

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

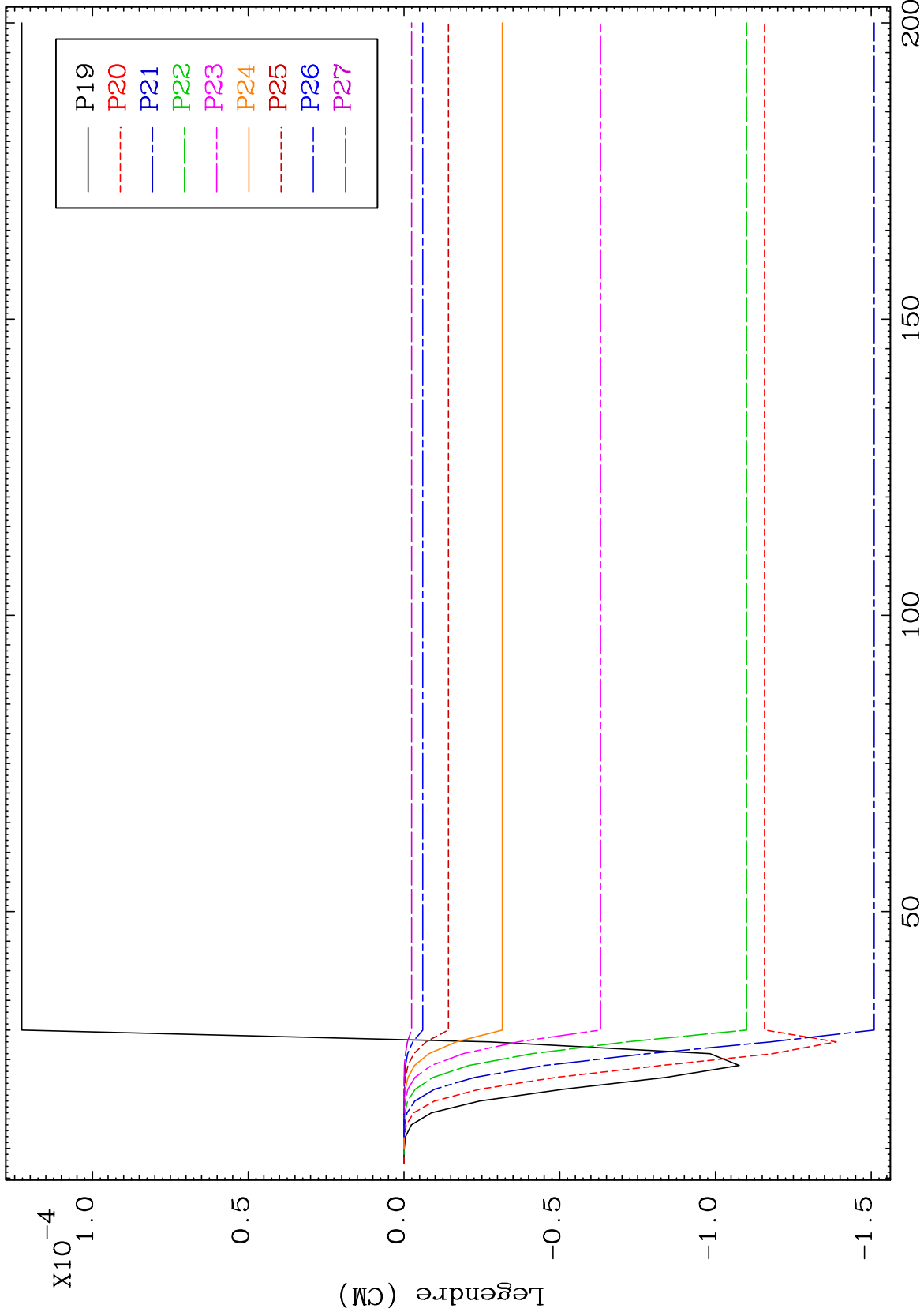
53-I -125

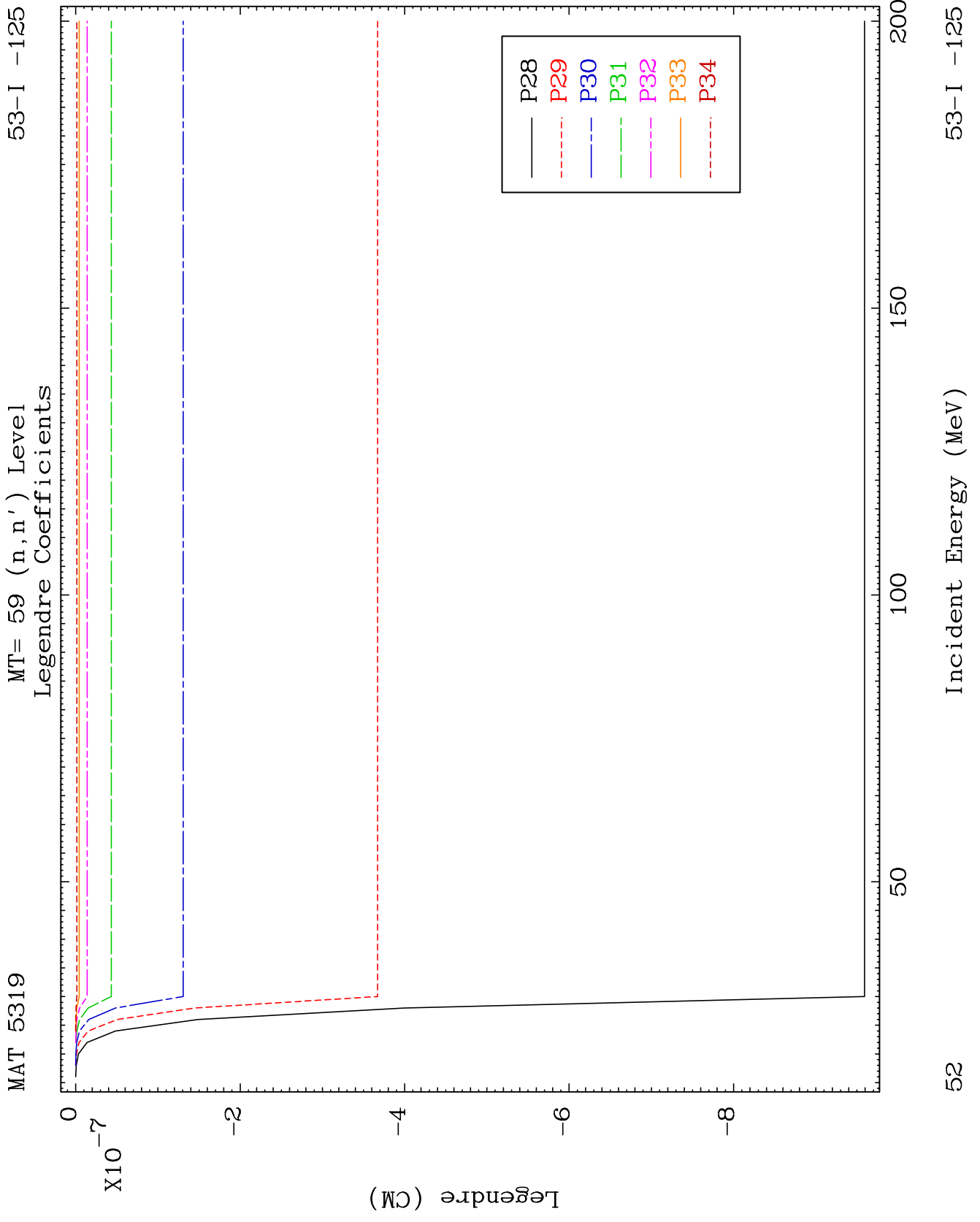


53-I -125

Incident Energy (MeV)

50

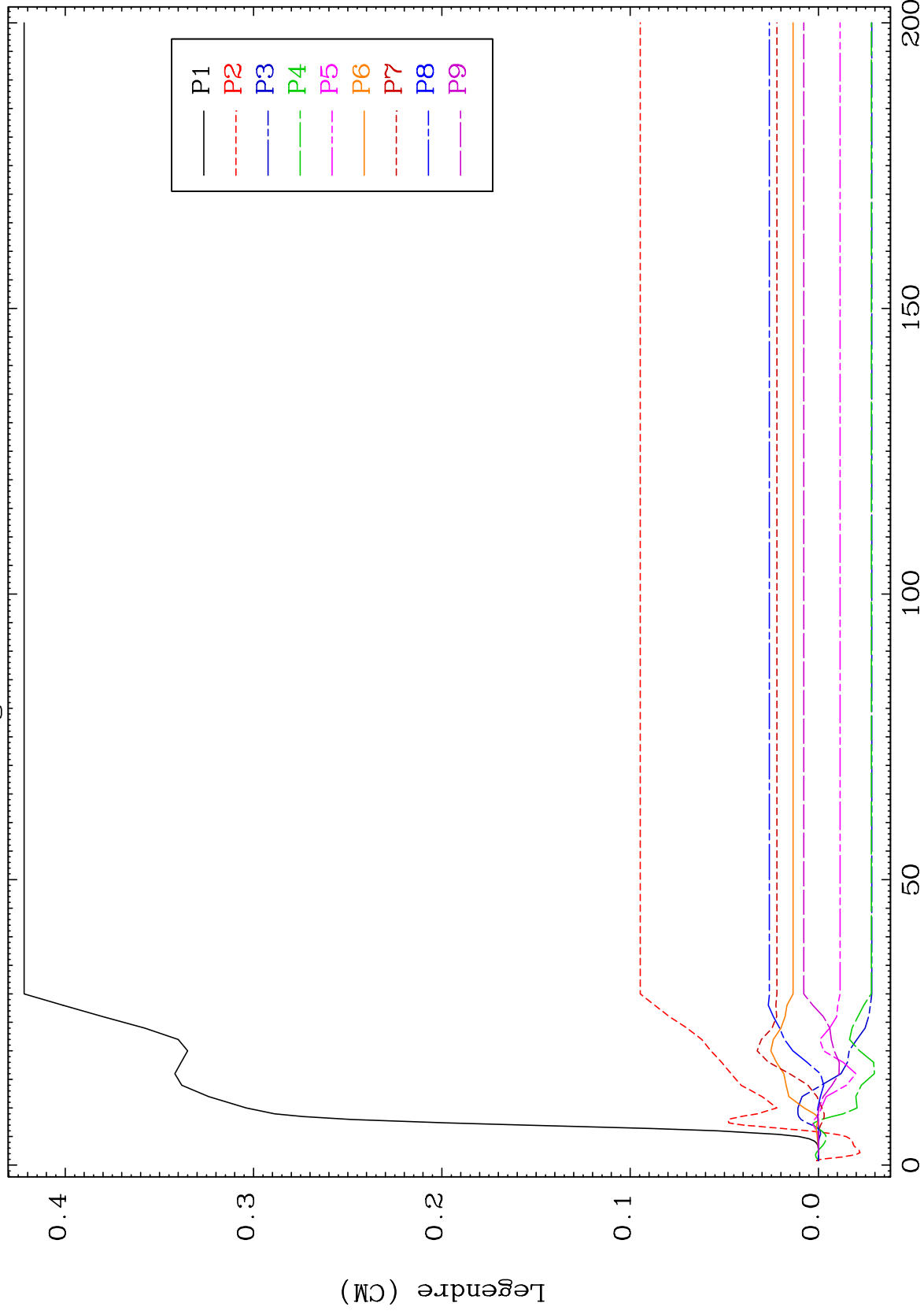




MAT 5319

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

53-I -125



53

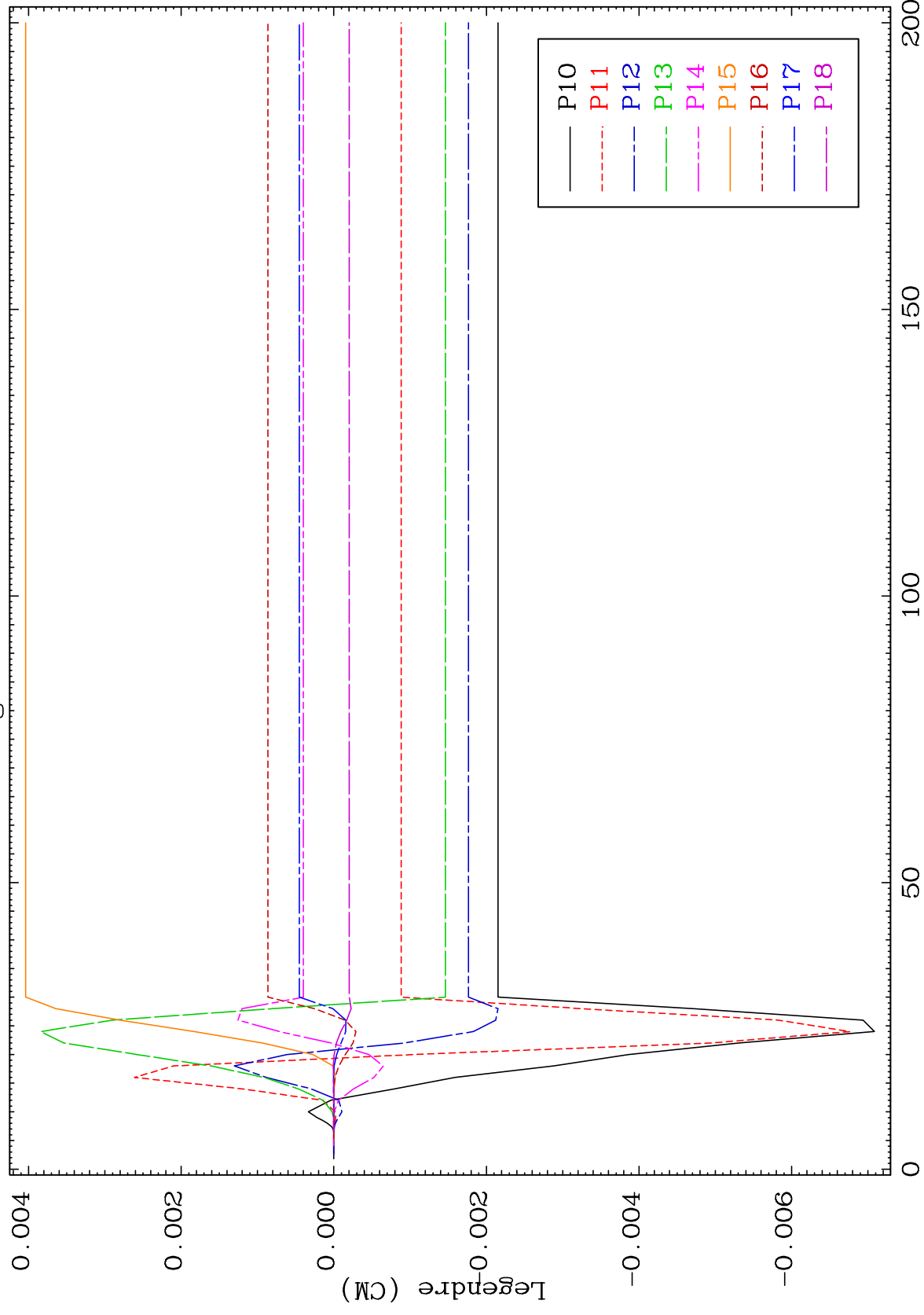
Incident Energy (MeV)

53-I -125

MAT 5319

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

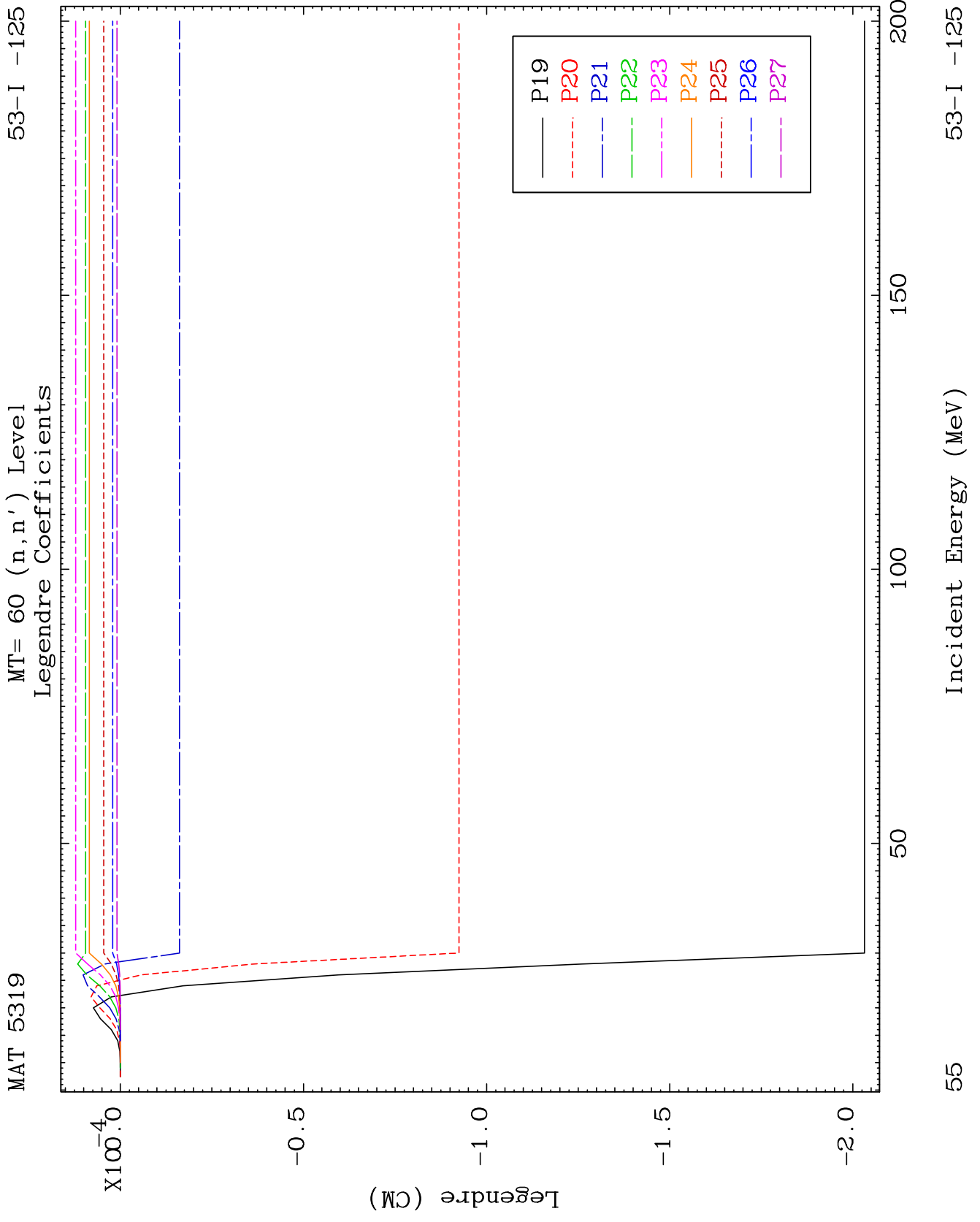
53-I -125



54

Incident Energy (MeV)

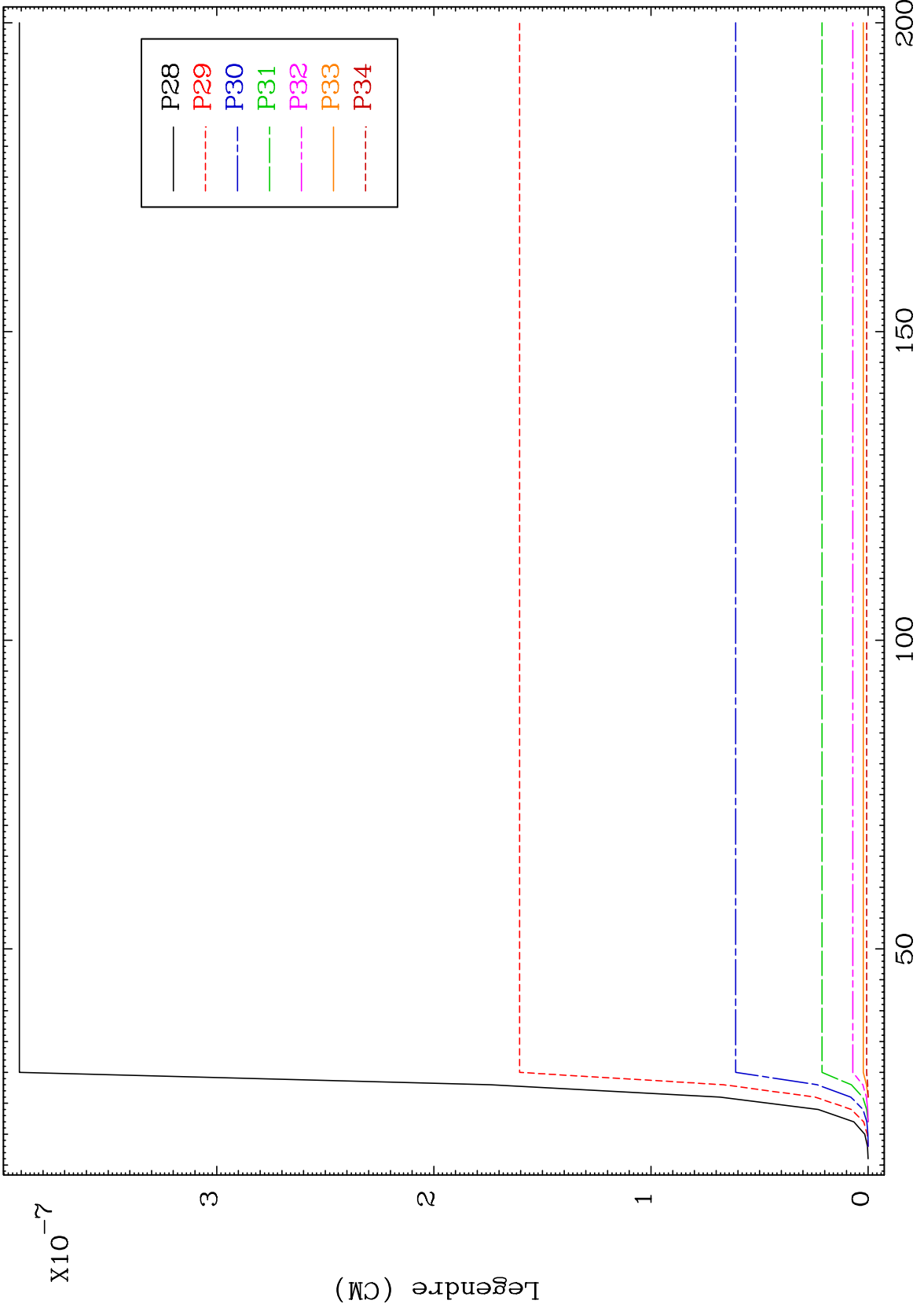
53-I -125



MAT 5319

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

53-I -125



56

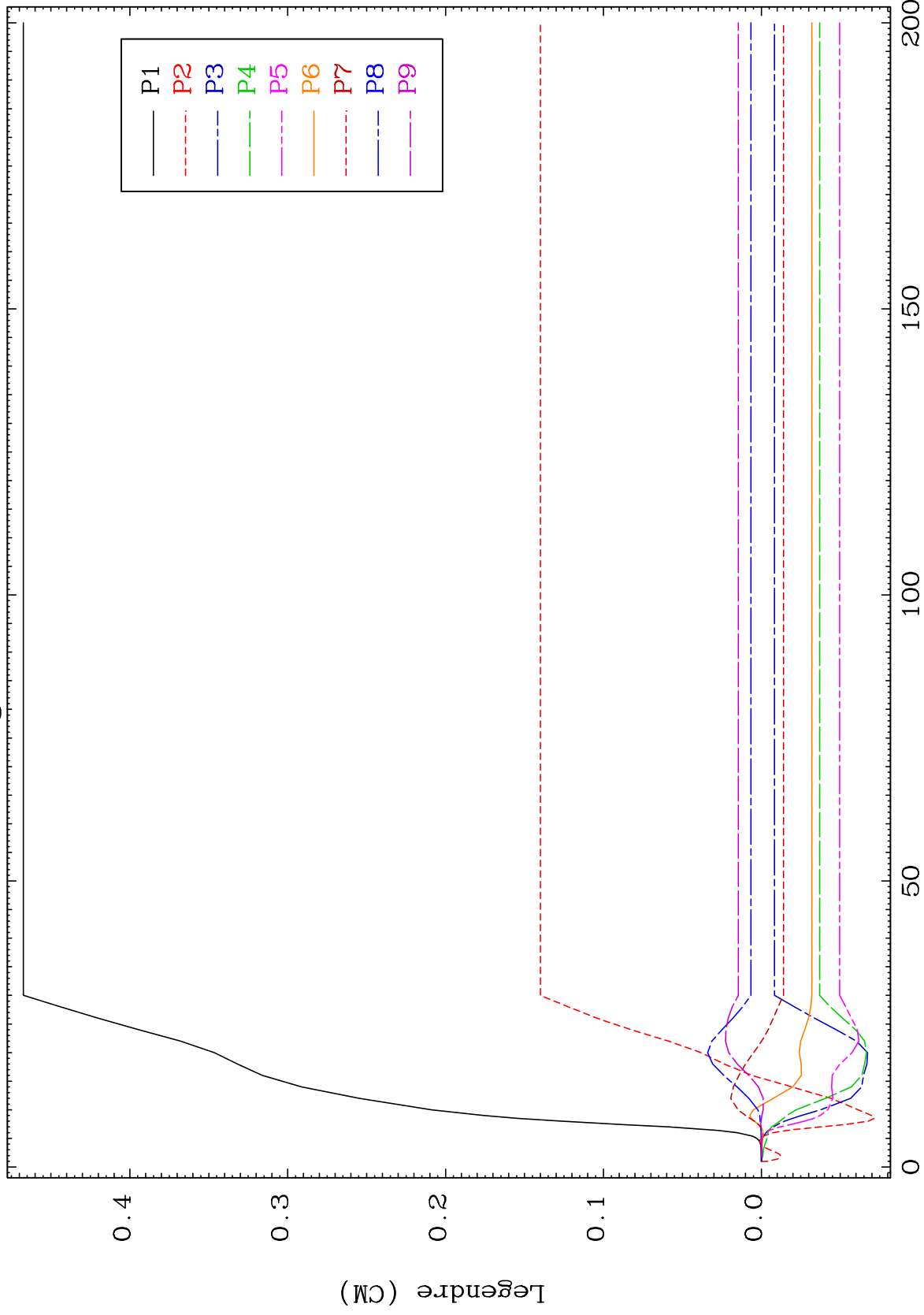
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



57

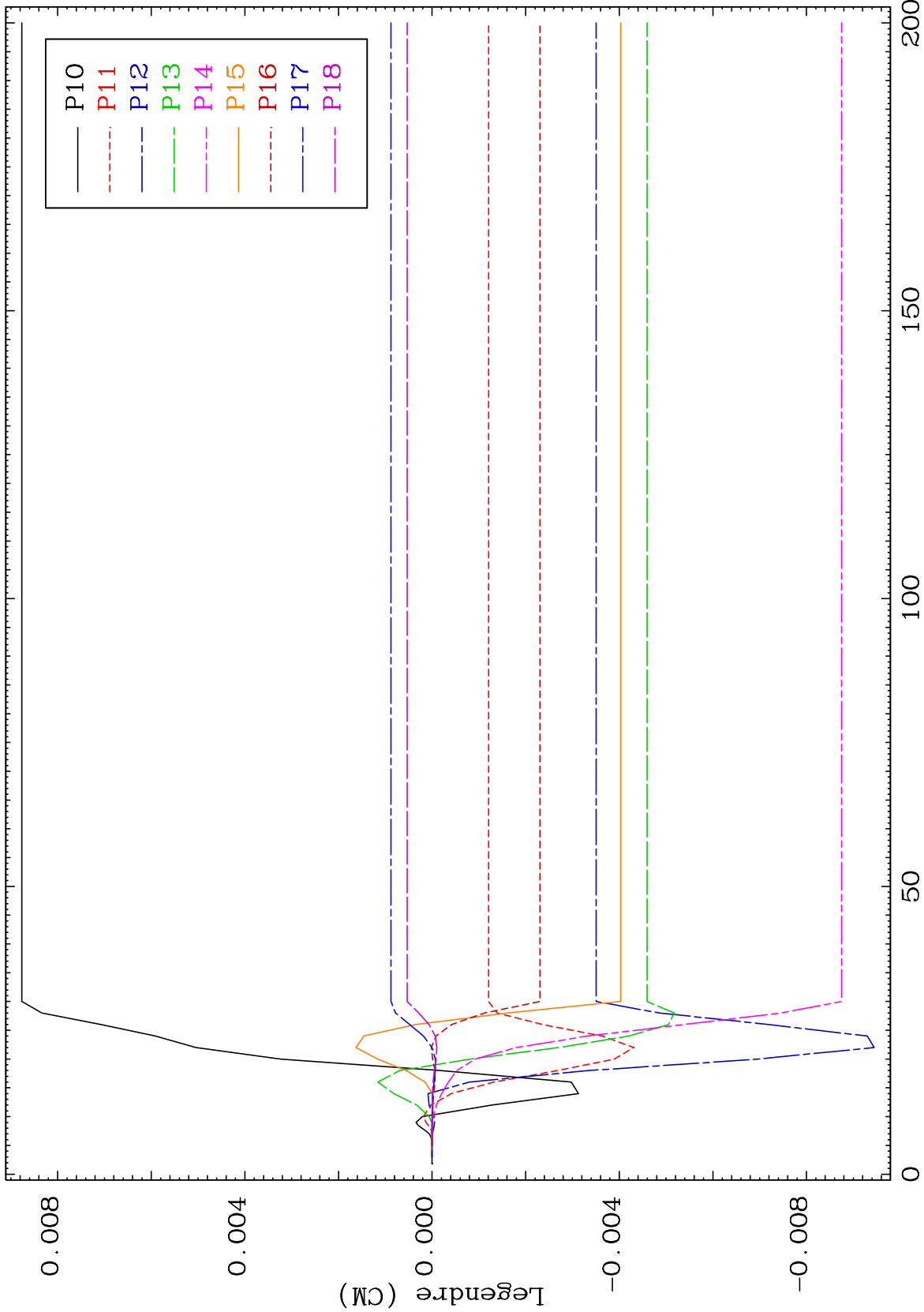
Incident Energy (MeV)

53-I -125

MAT 5319

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

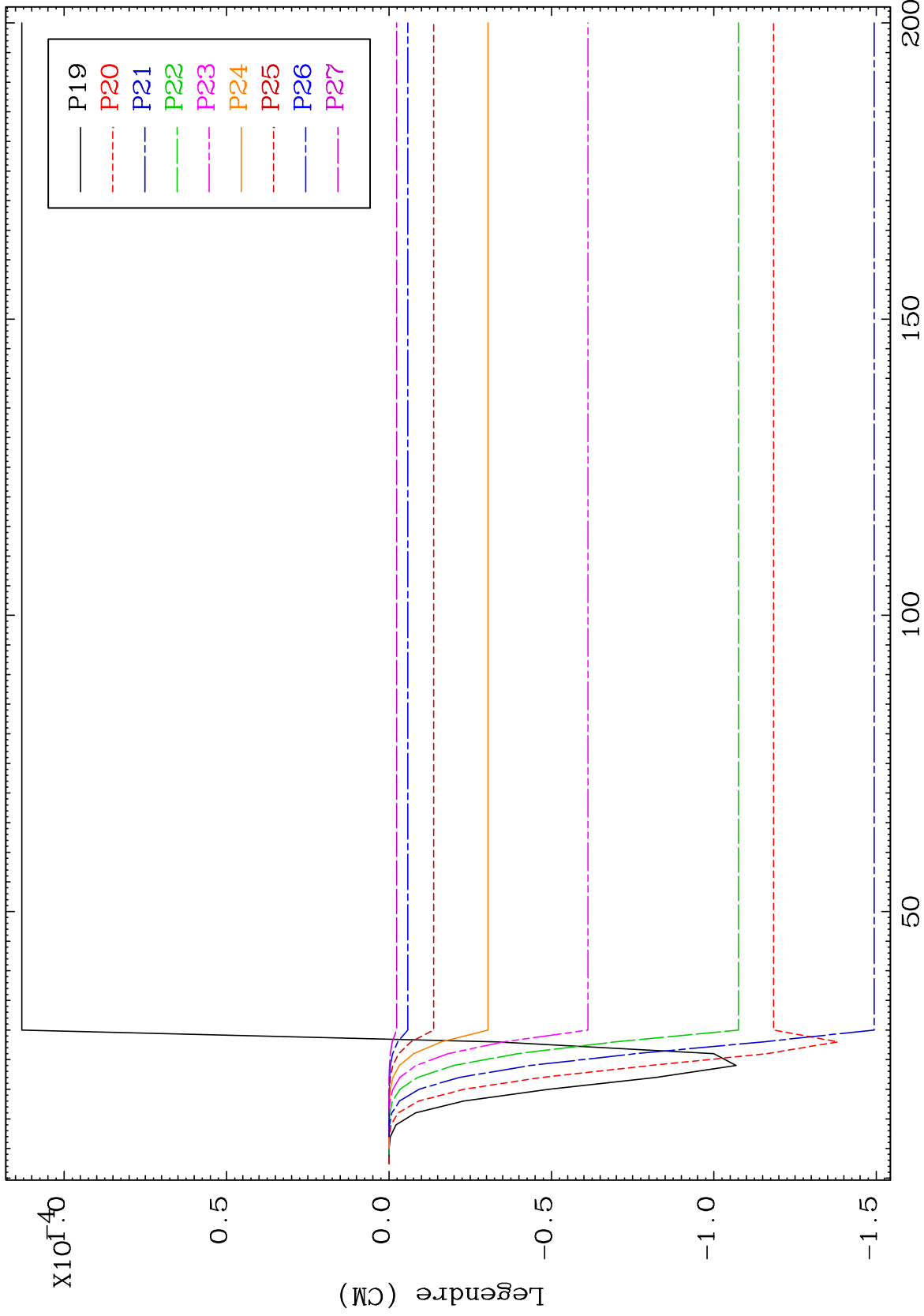
53-I -125

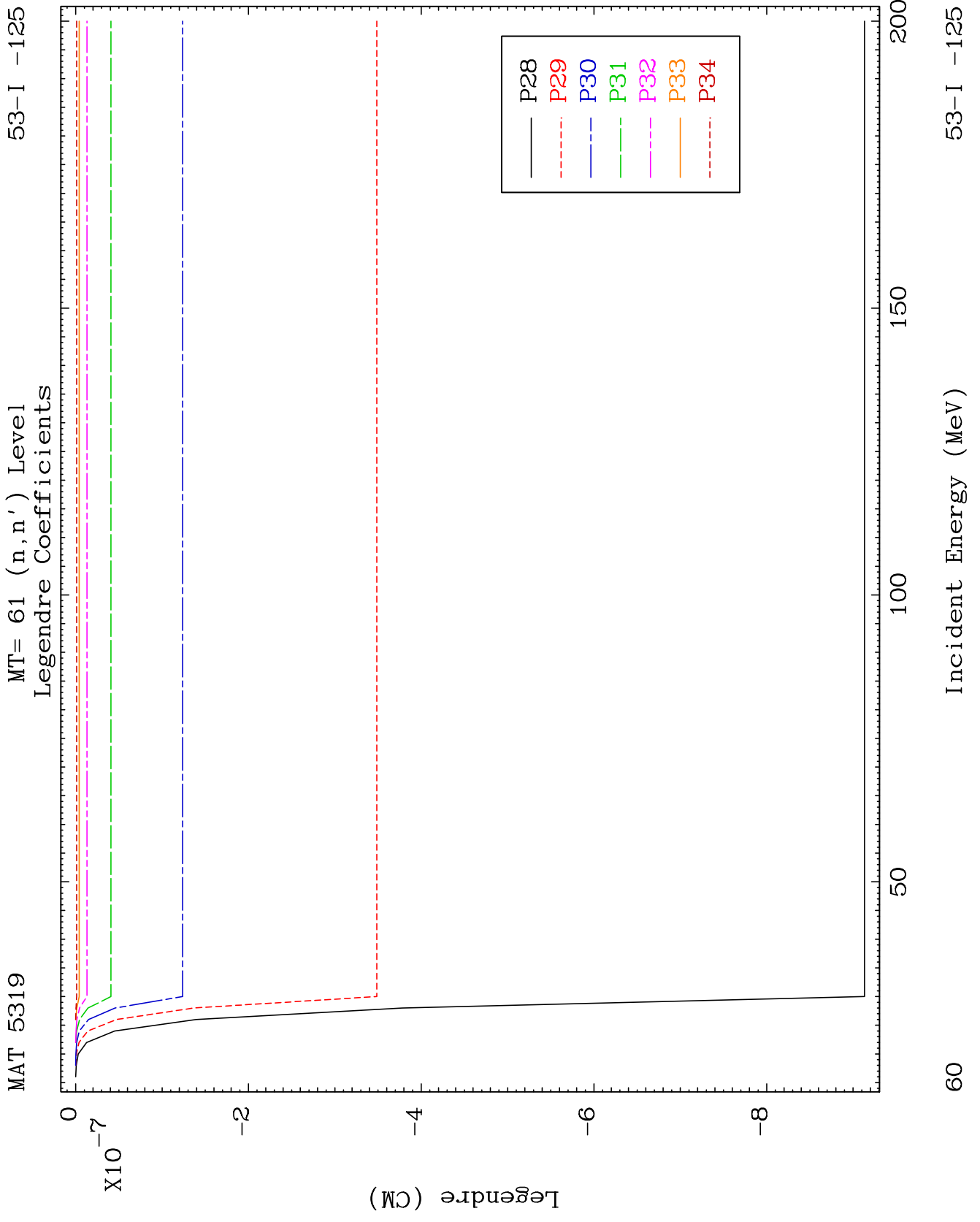


58

Incident Energy (MeV)

53-I -125



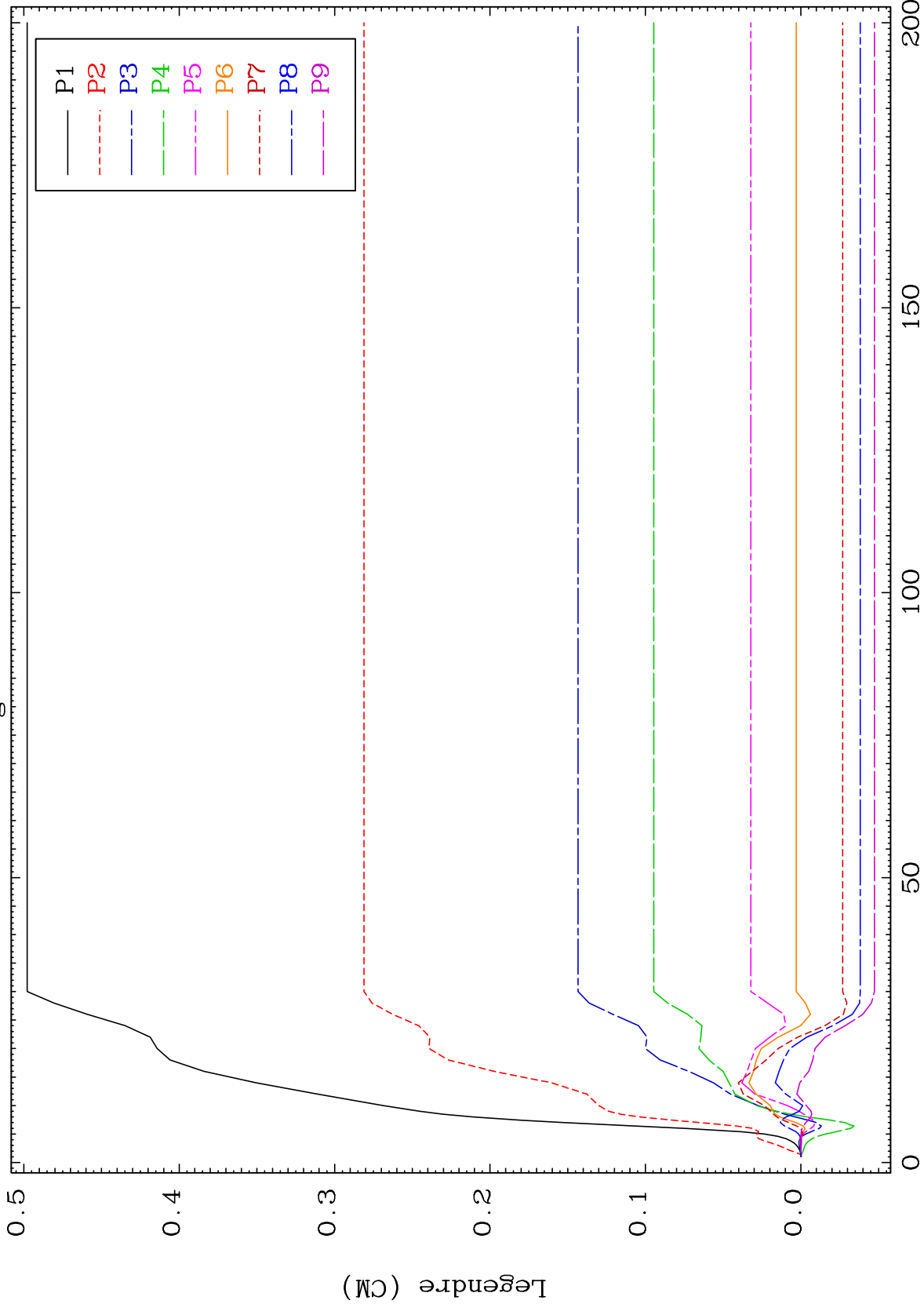


MAT 5319

MT= 62 (n,n') Level

53-I -125

Legendre Coefficients



61

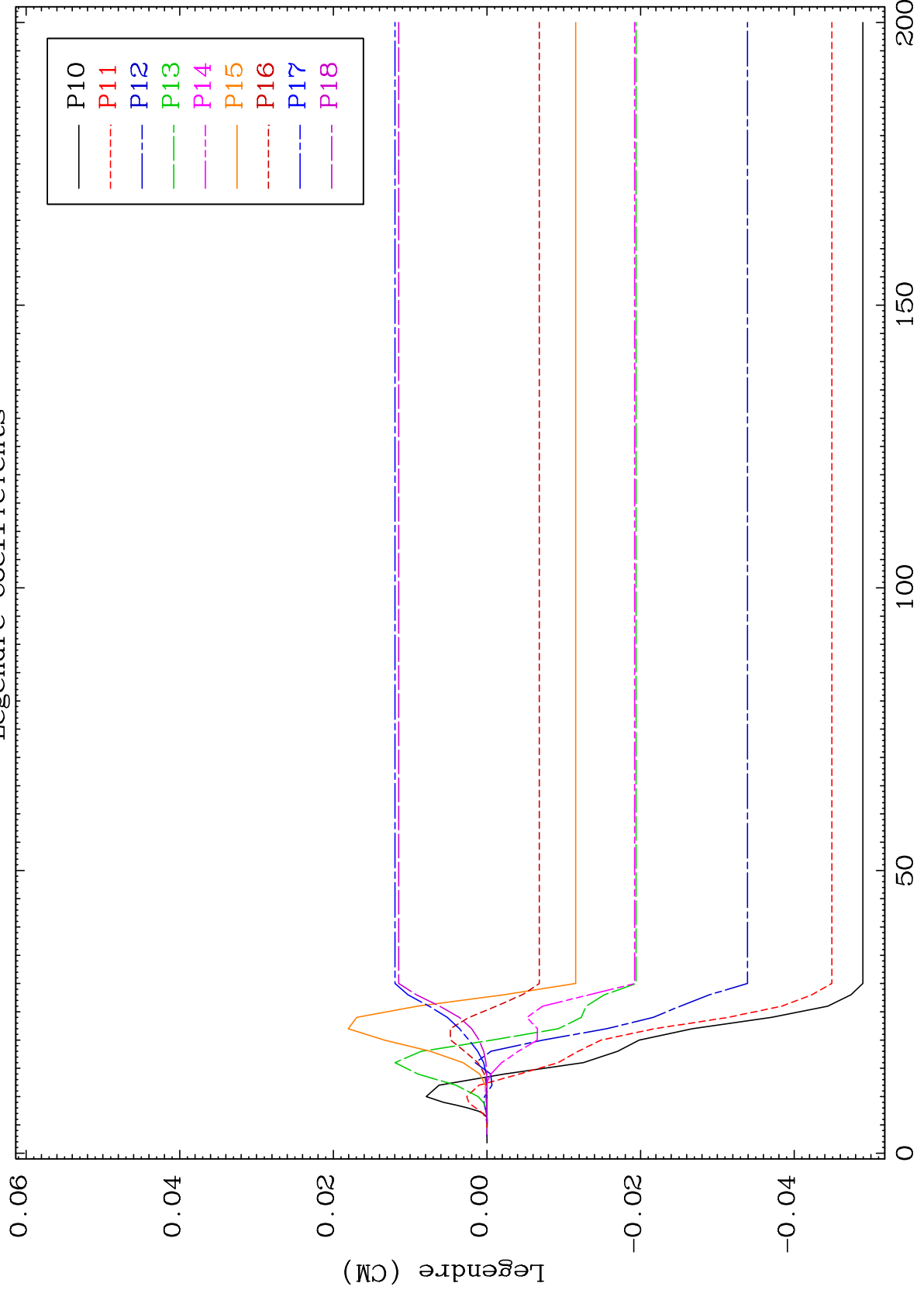
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



62

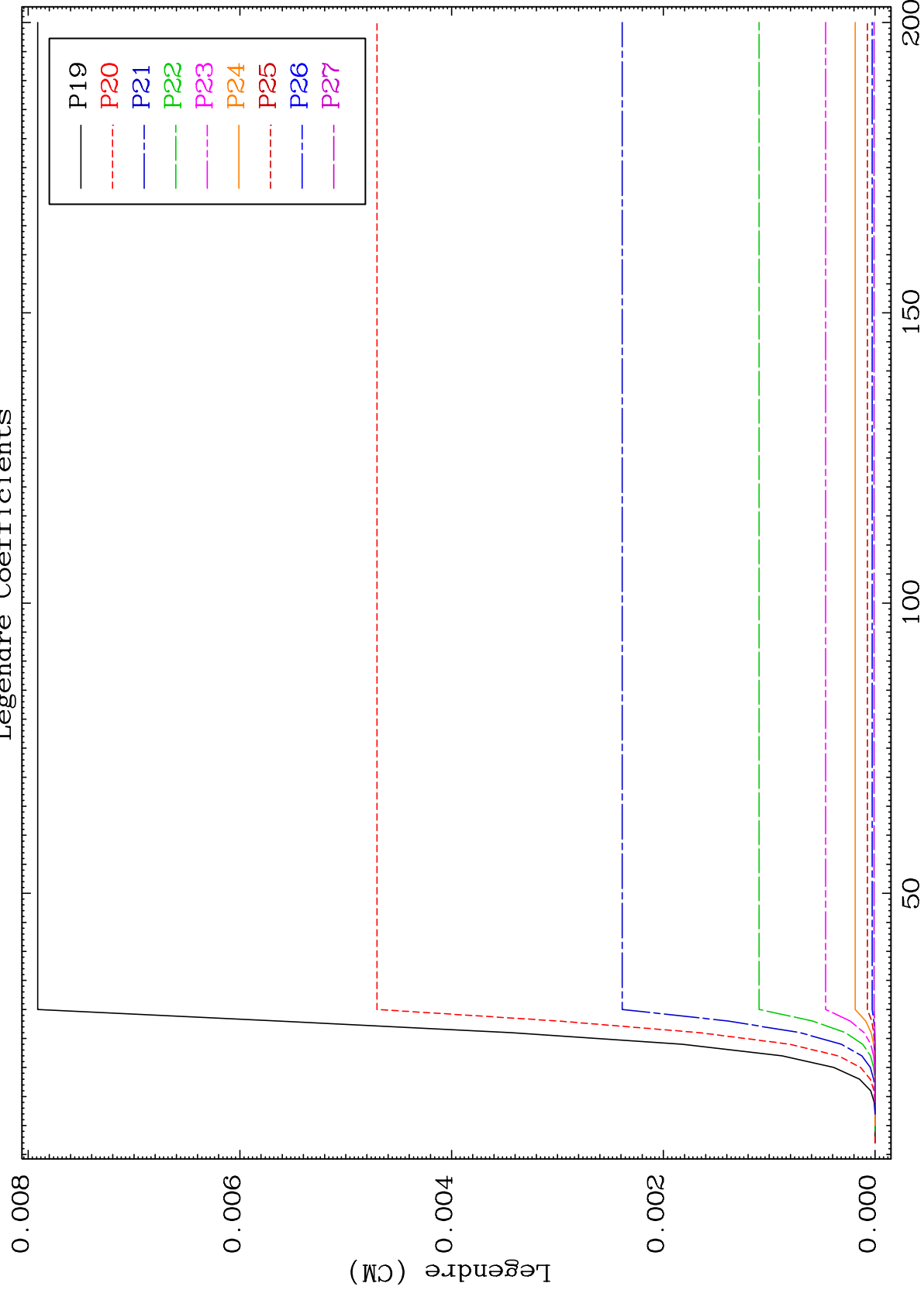
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



63

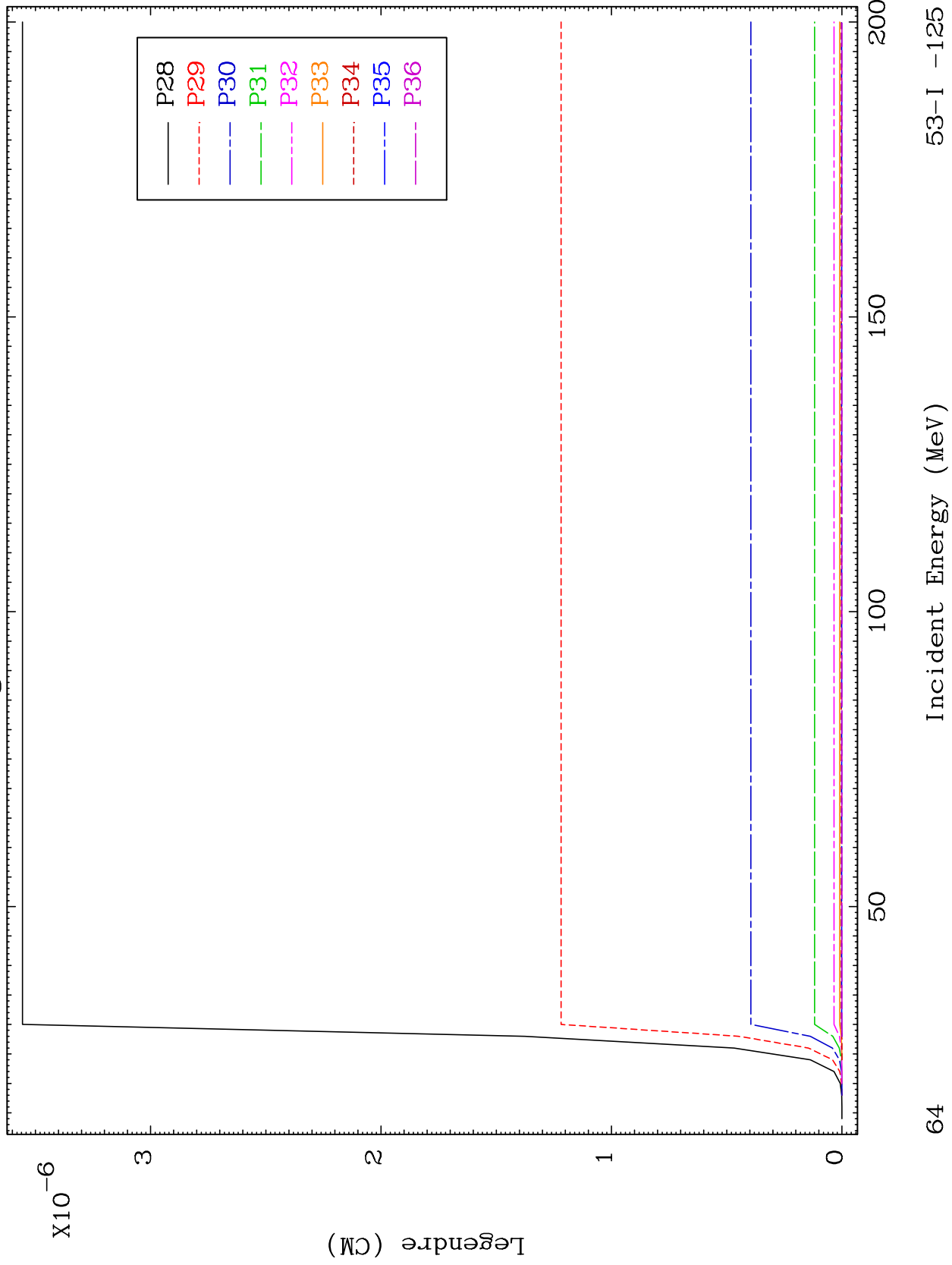
Incident Energy (MeV)

53-I -125

MAT 5319

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

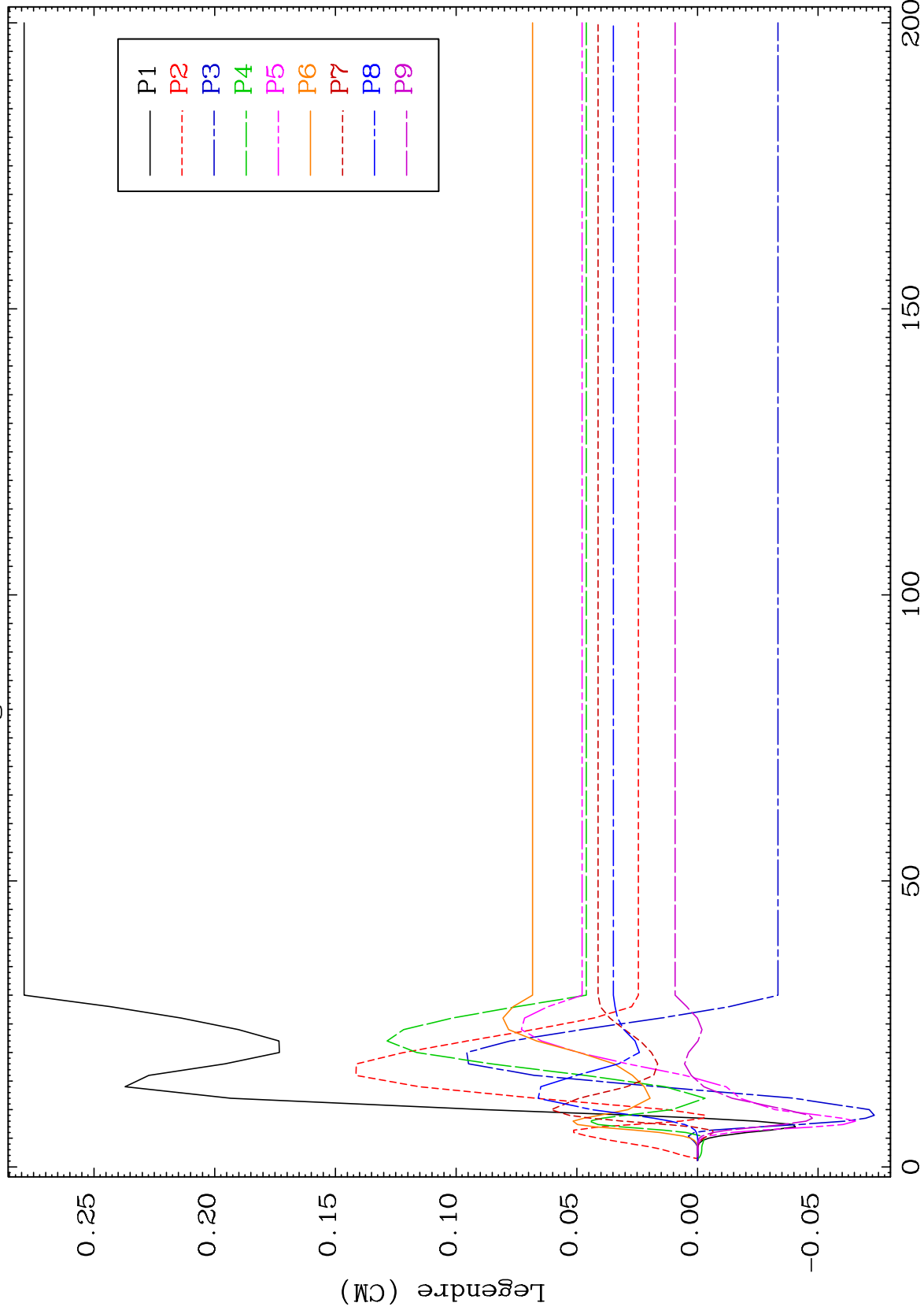
53-I -125



MAT 5319

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

53-I -125



65

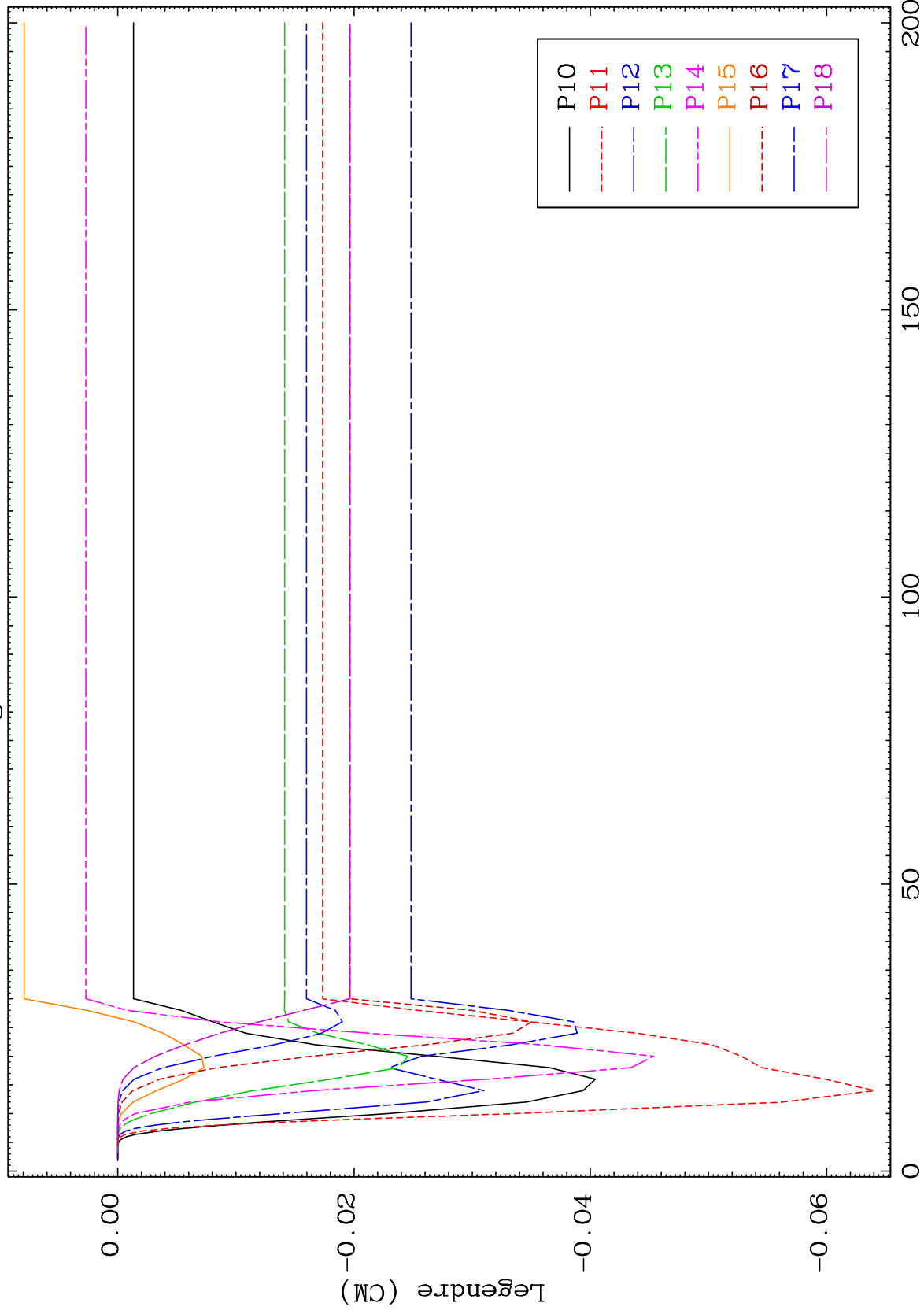
Incident Energy (MeV)

53-I -125

MAT 5319

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

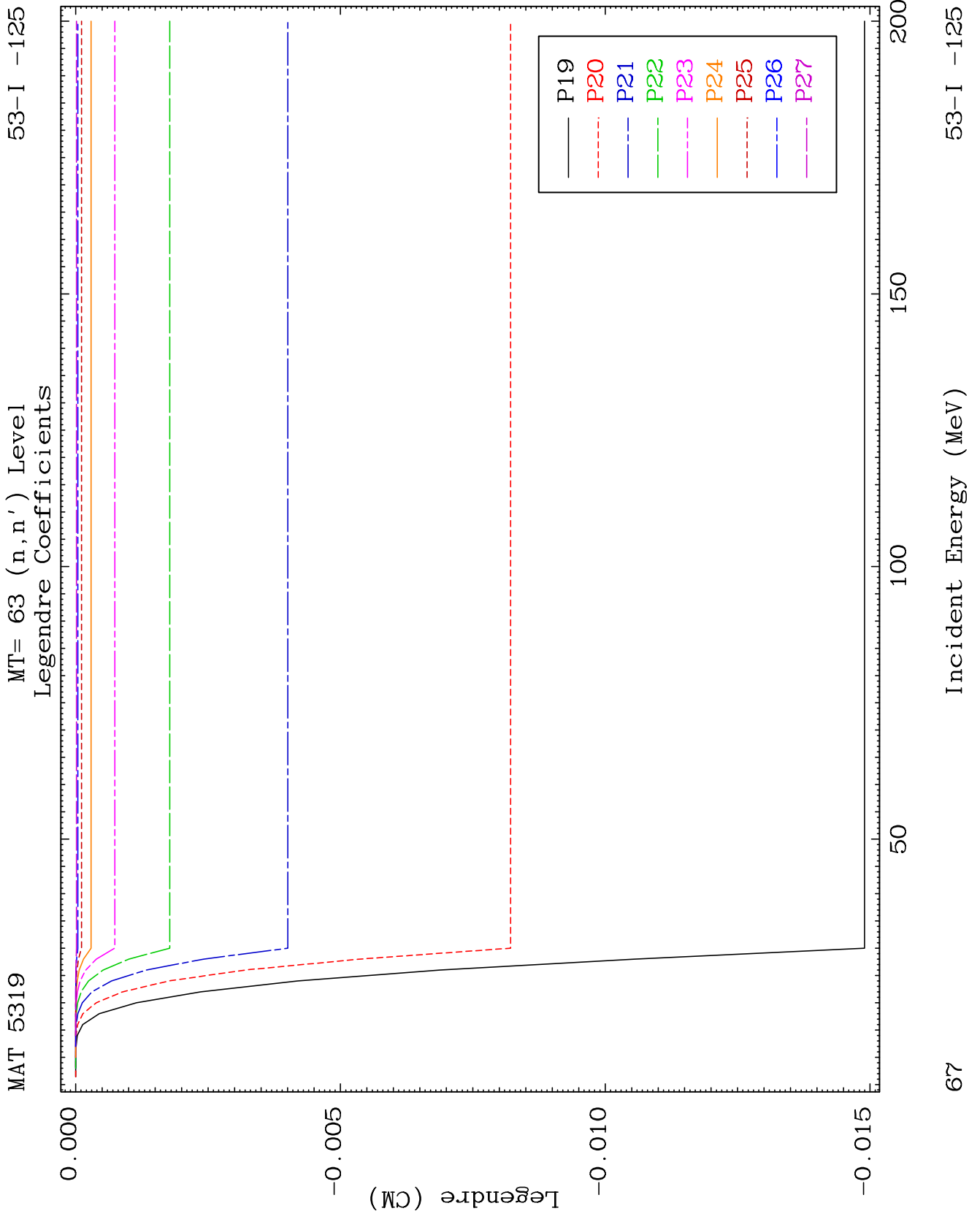
53-I -125

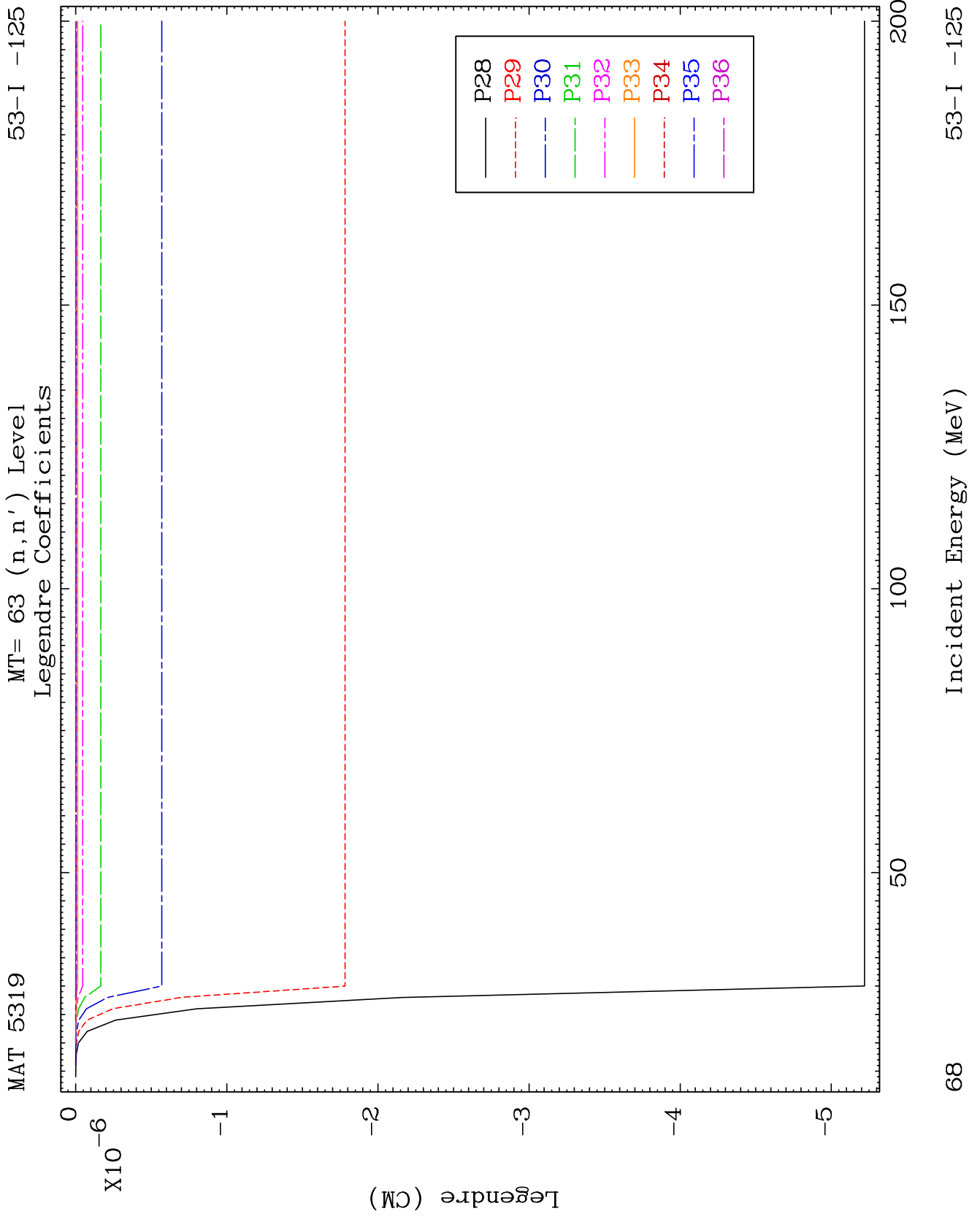


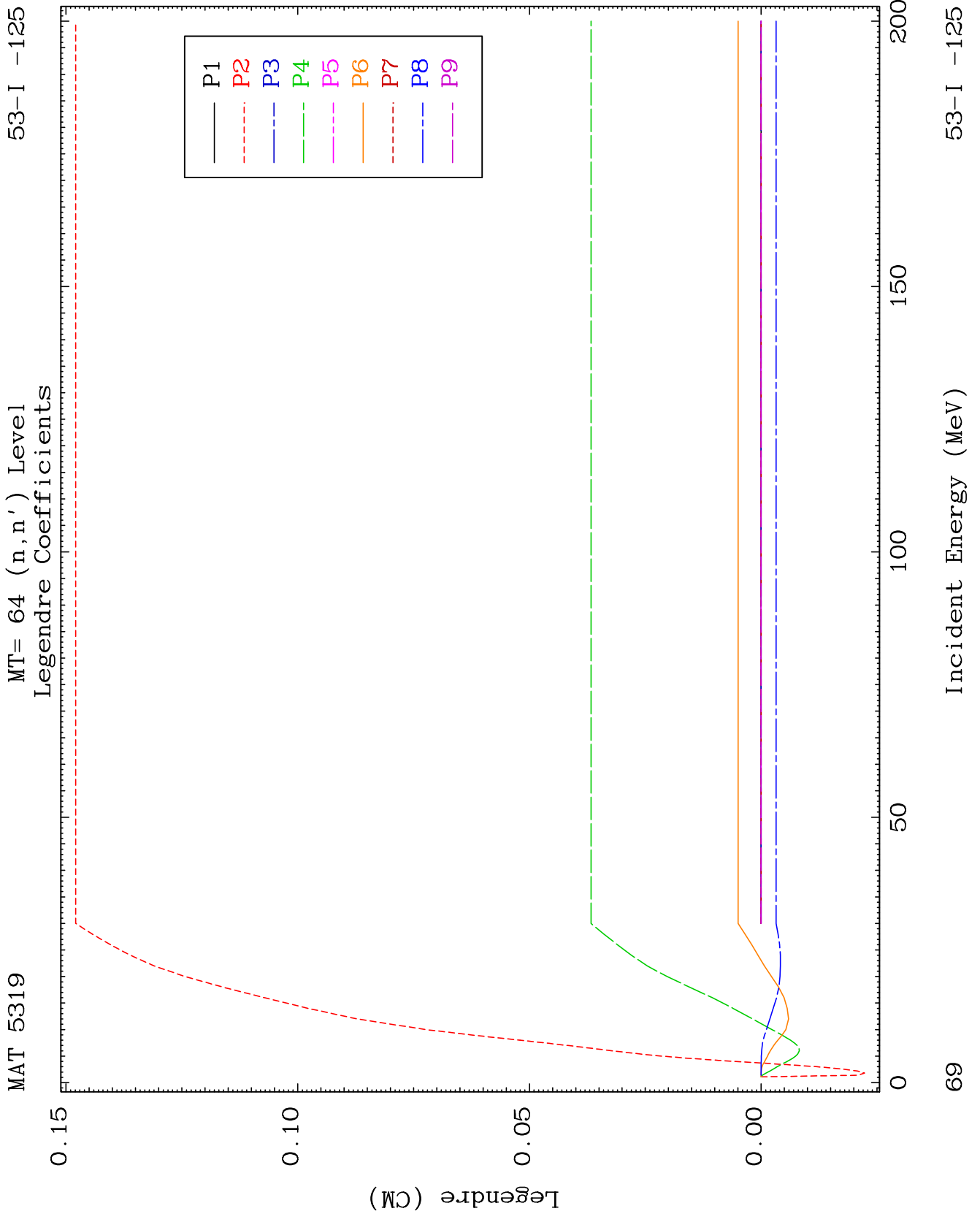
66

Incident Energy (MeV)

53-I -125



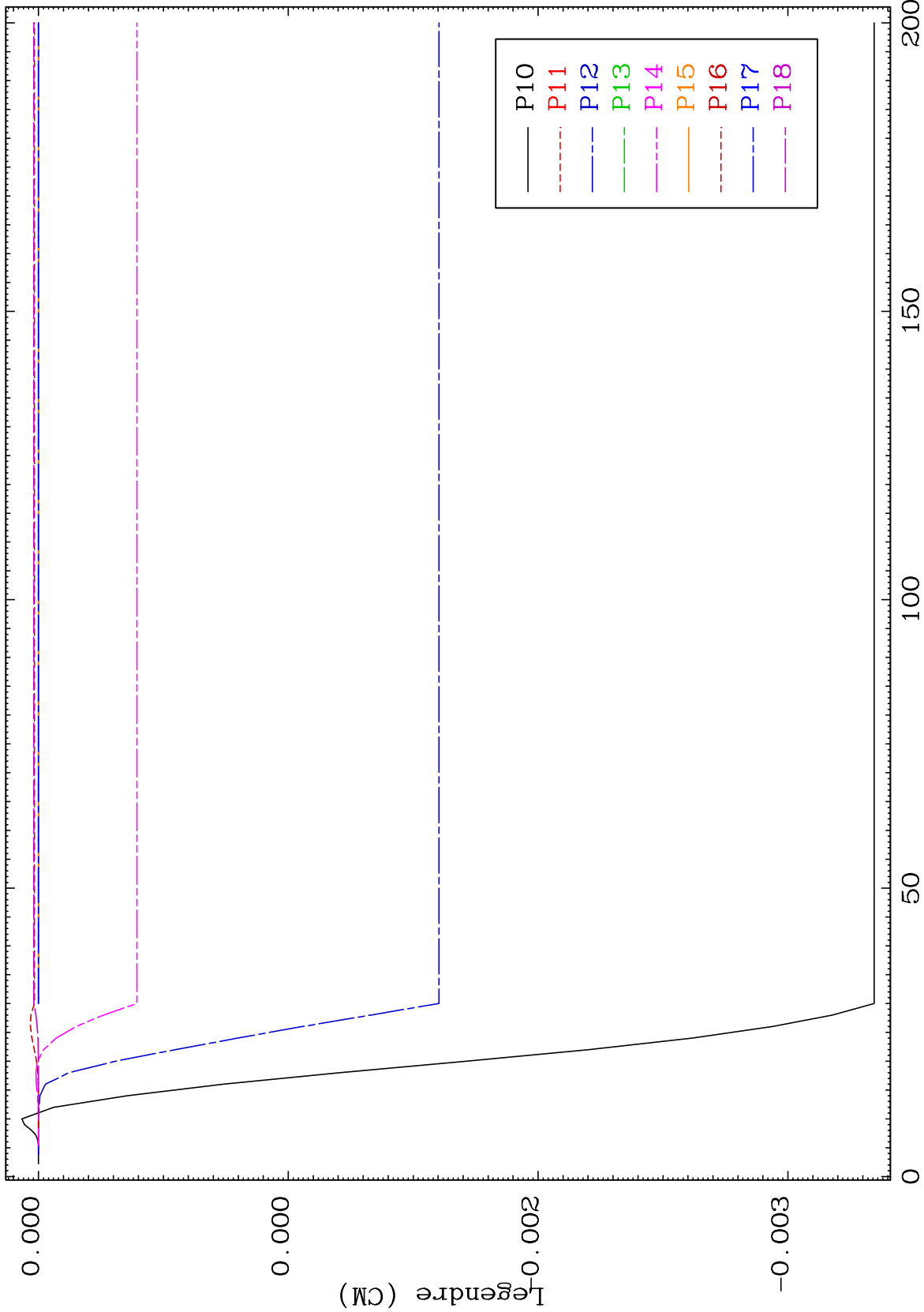




MAT 5319

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

53-I -125



70

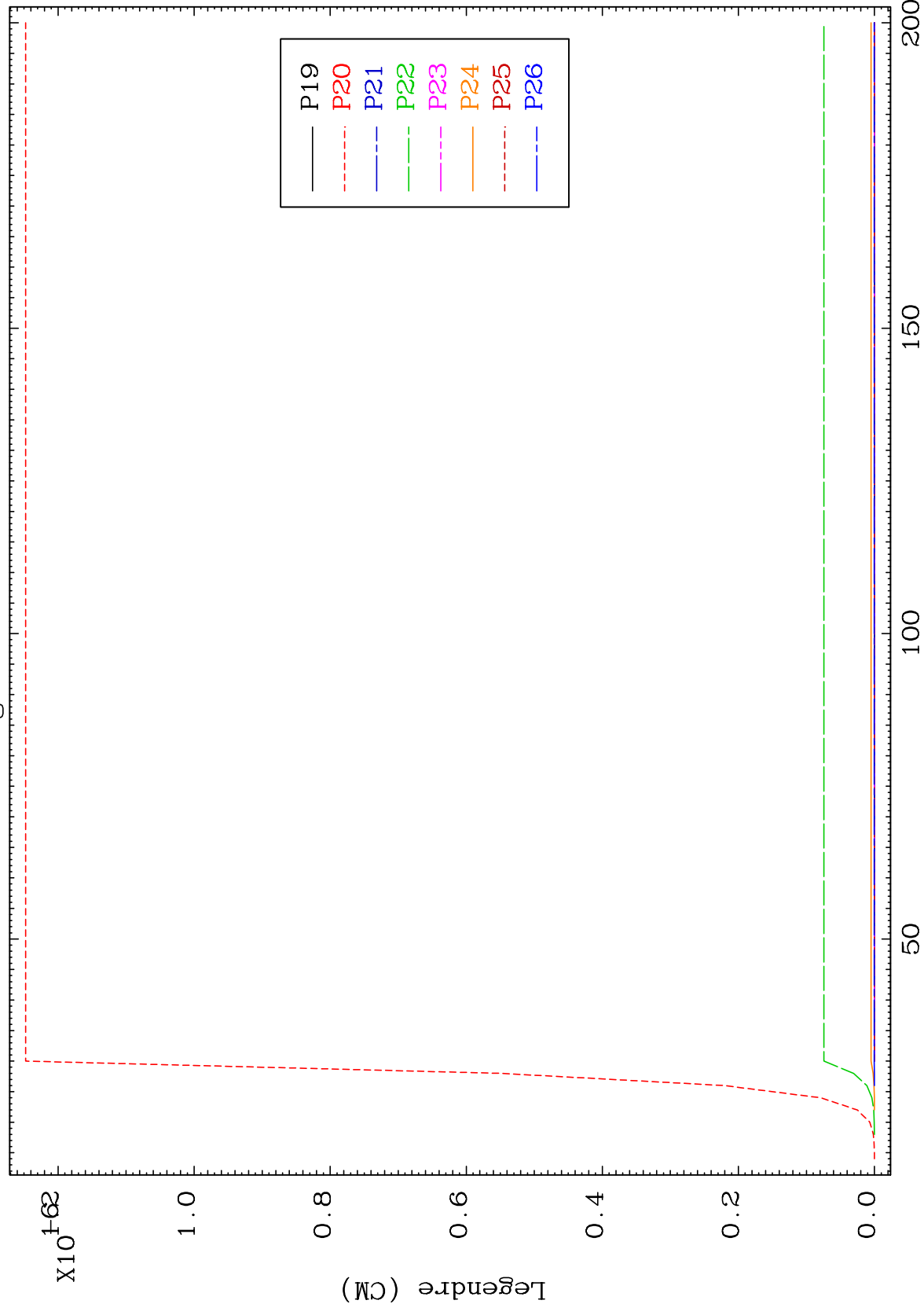
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



71

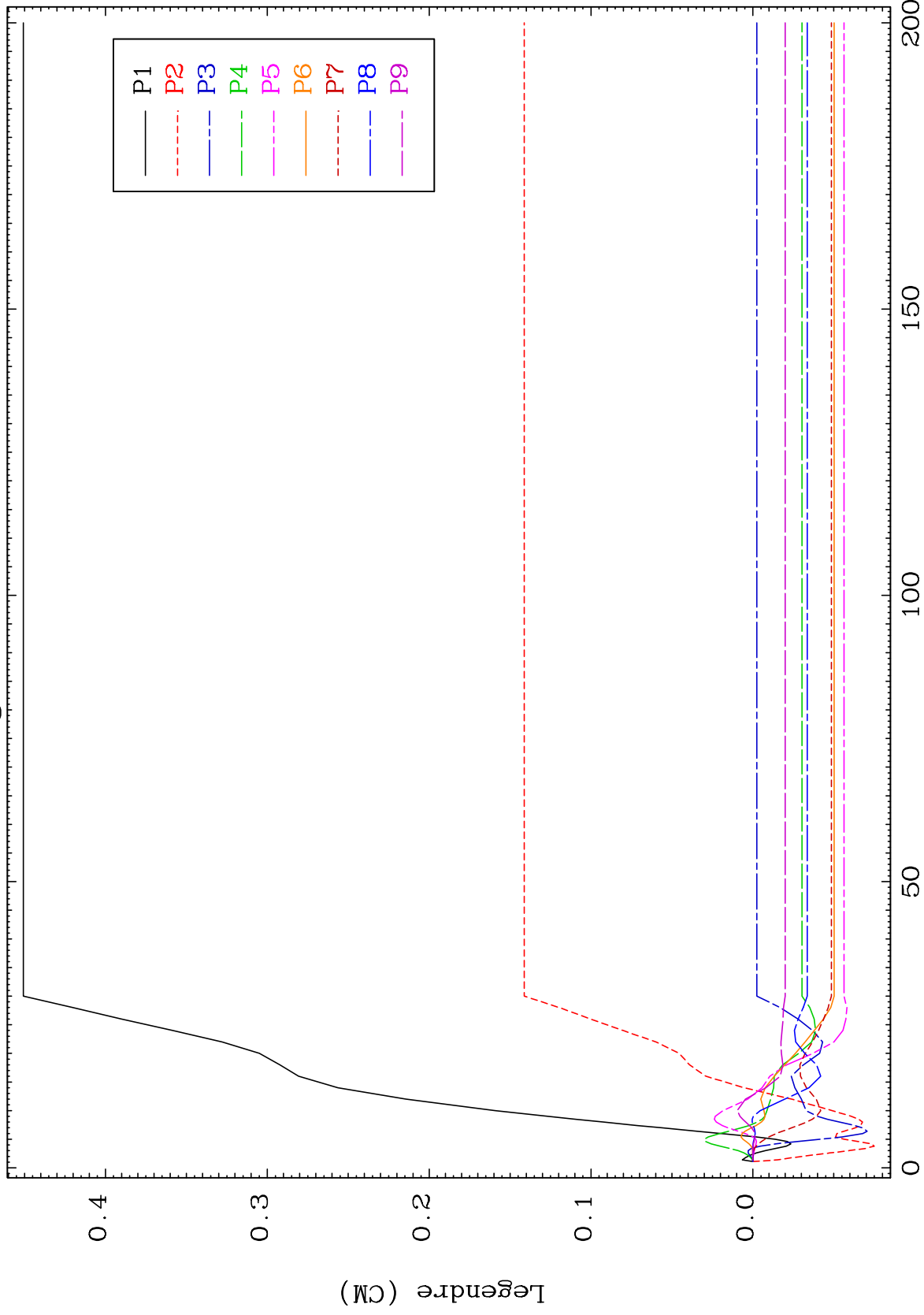
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



72

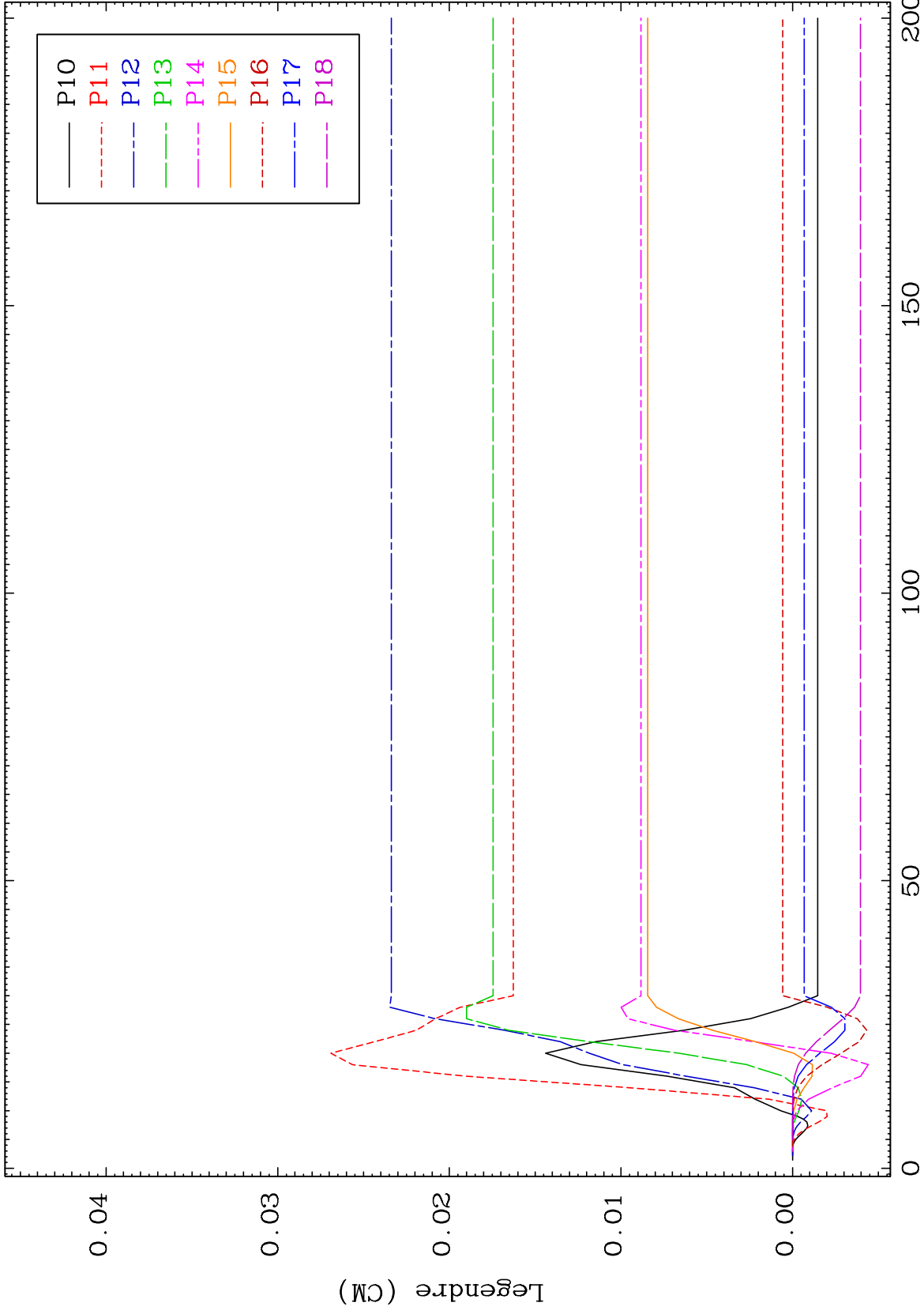
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



73

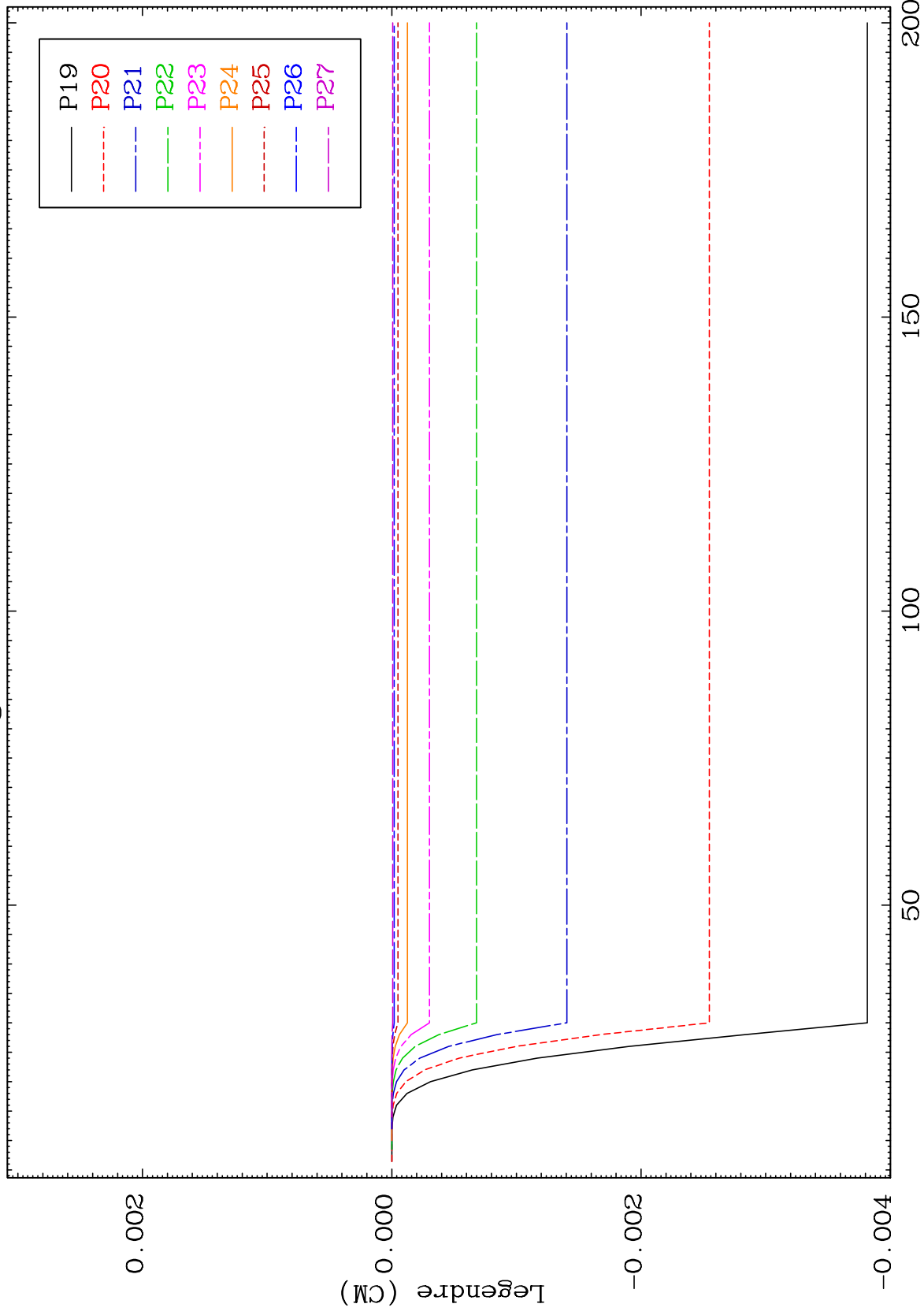
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



74

Incident Energy (MeV)

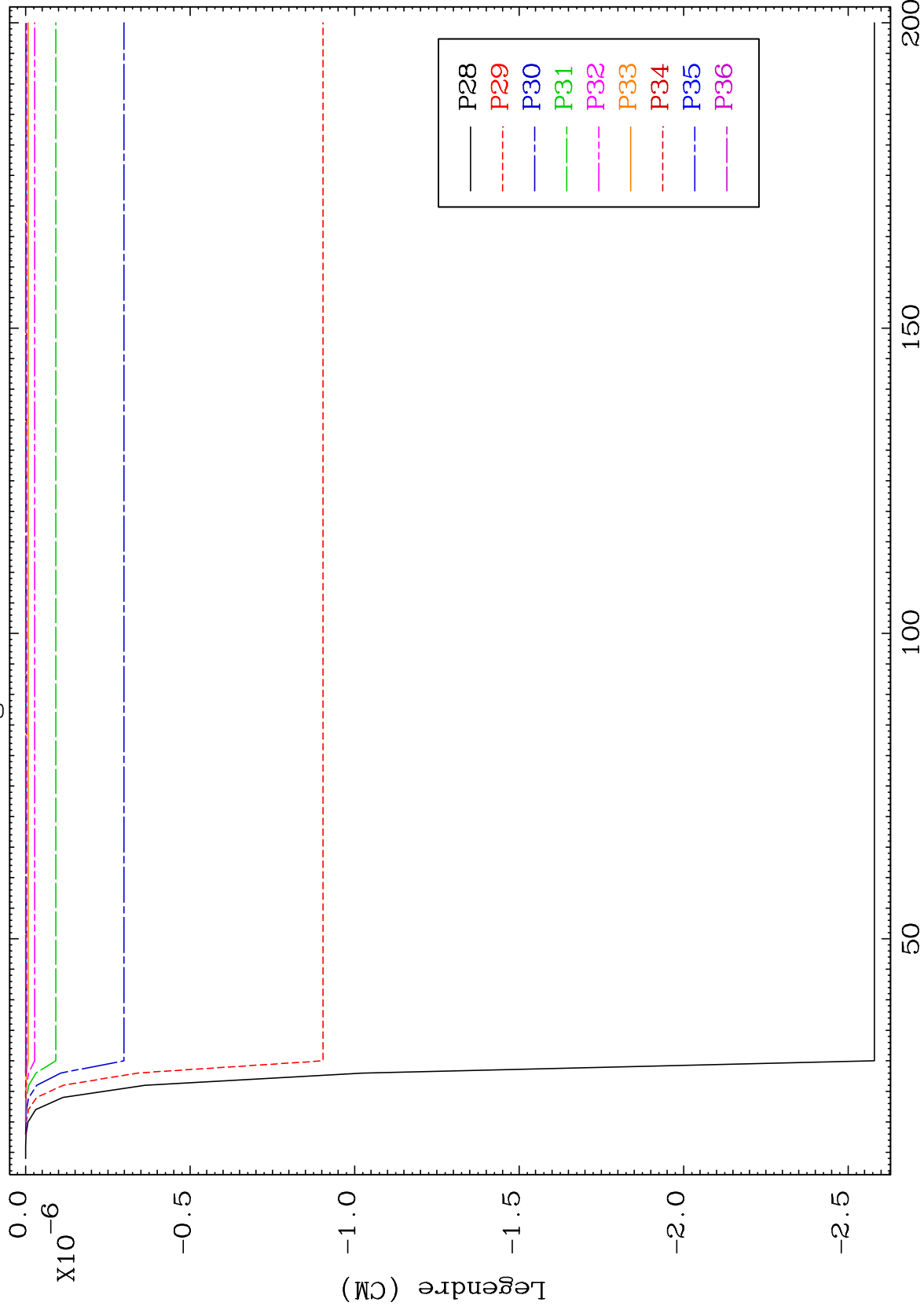
53-I -125

MAT 5319

MT= 65 (n,n') Level

53-I -125

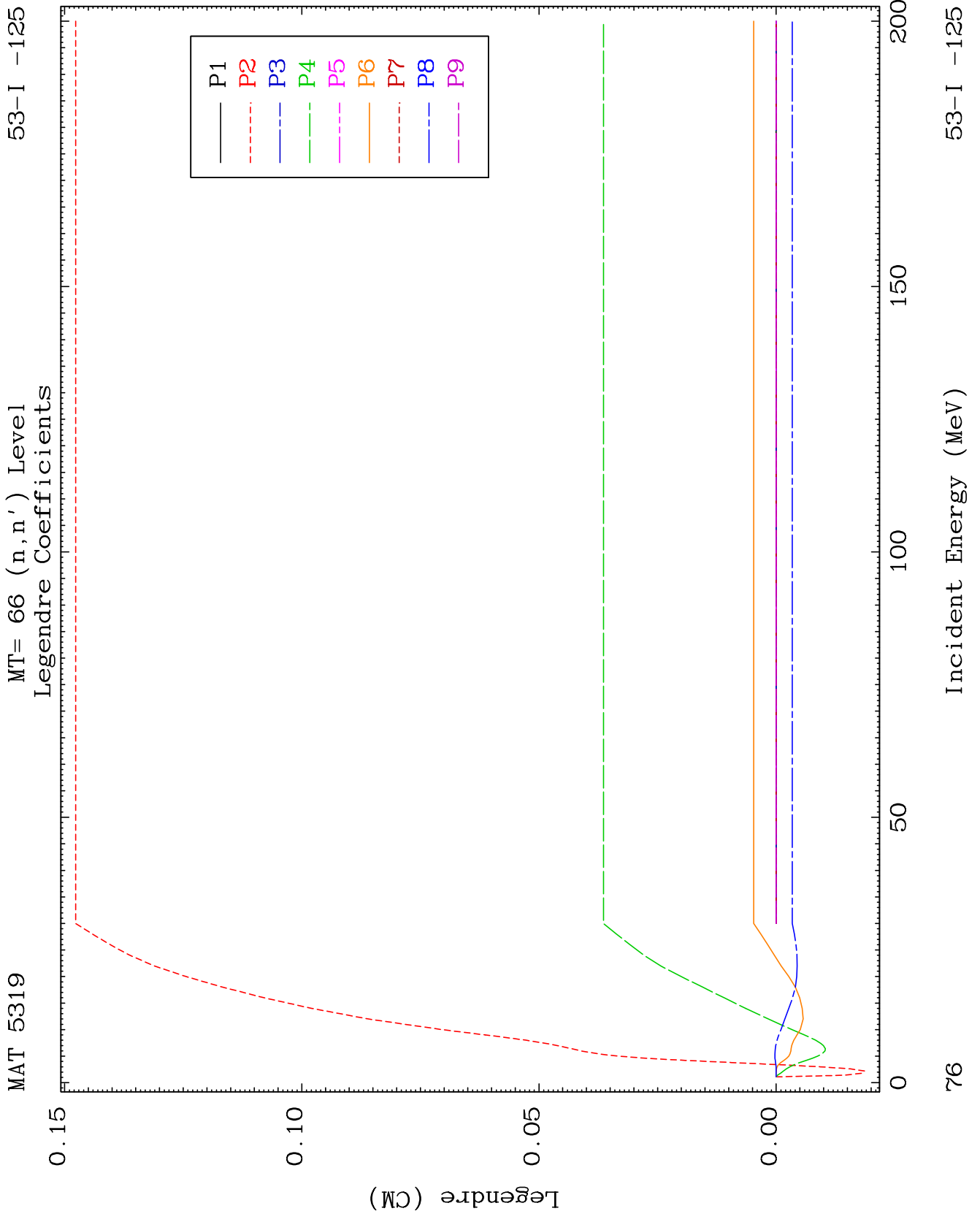
Legendre Coefficients



75

Incident Energy (MeV)

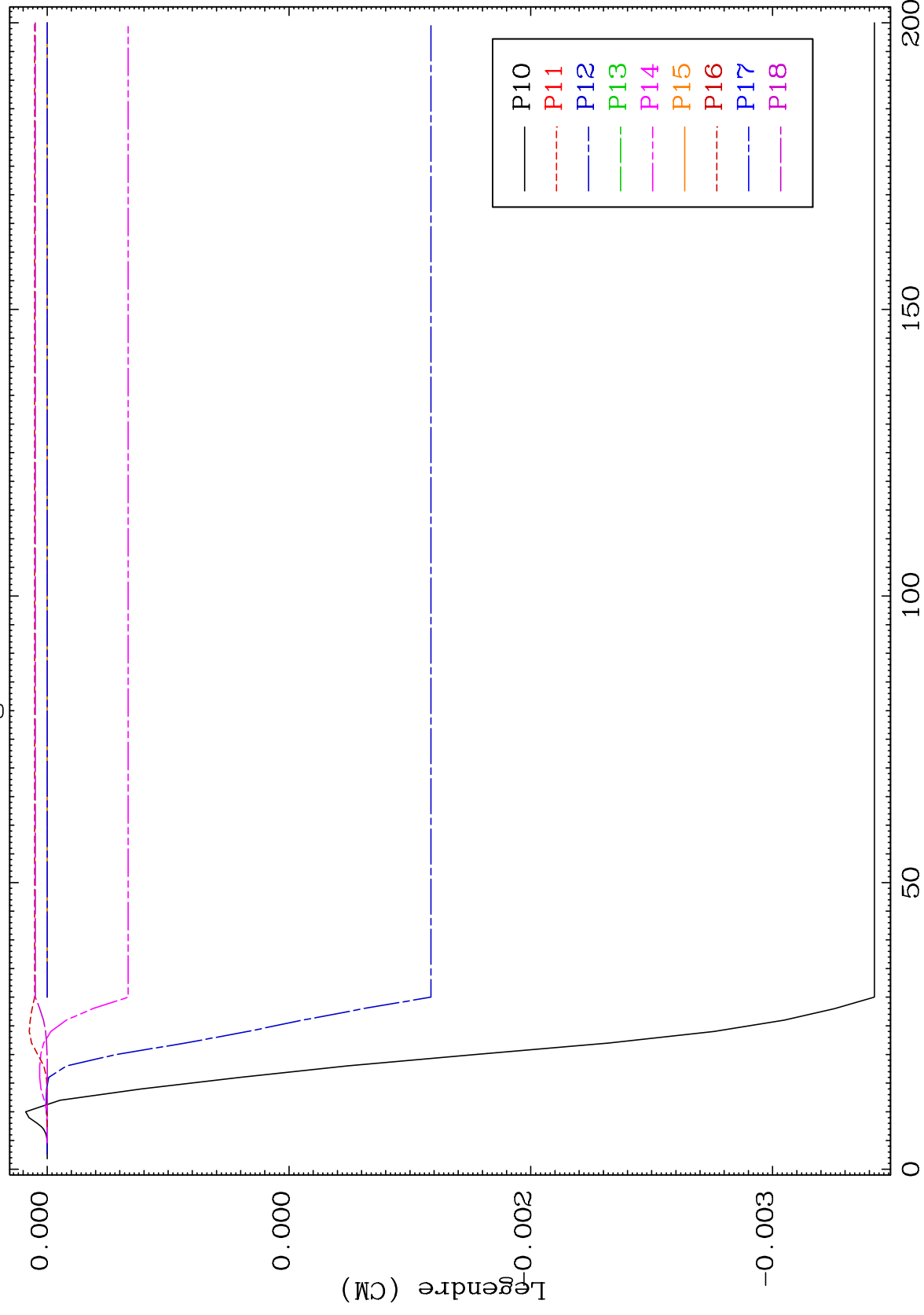
53-I -125



MAT 5319

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

53-I -125



77

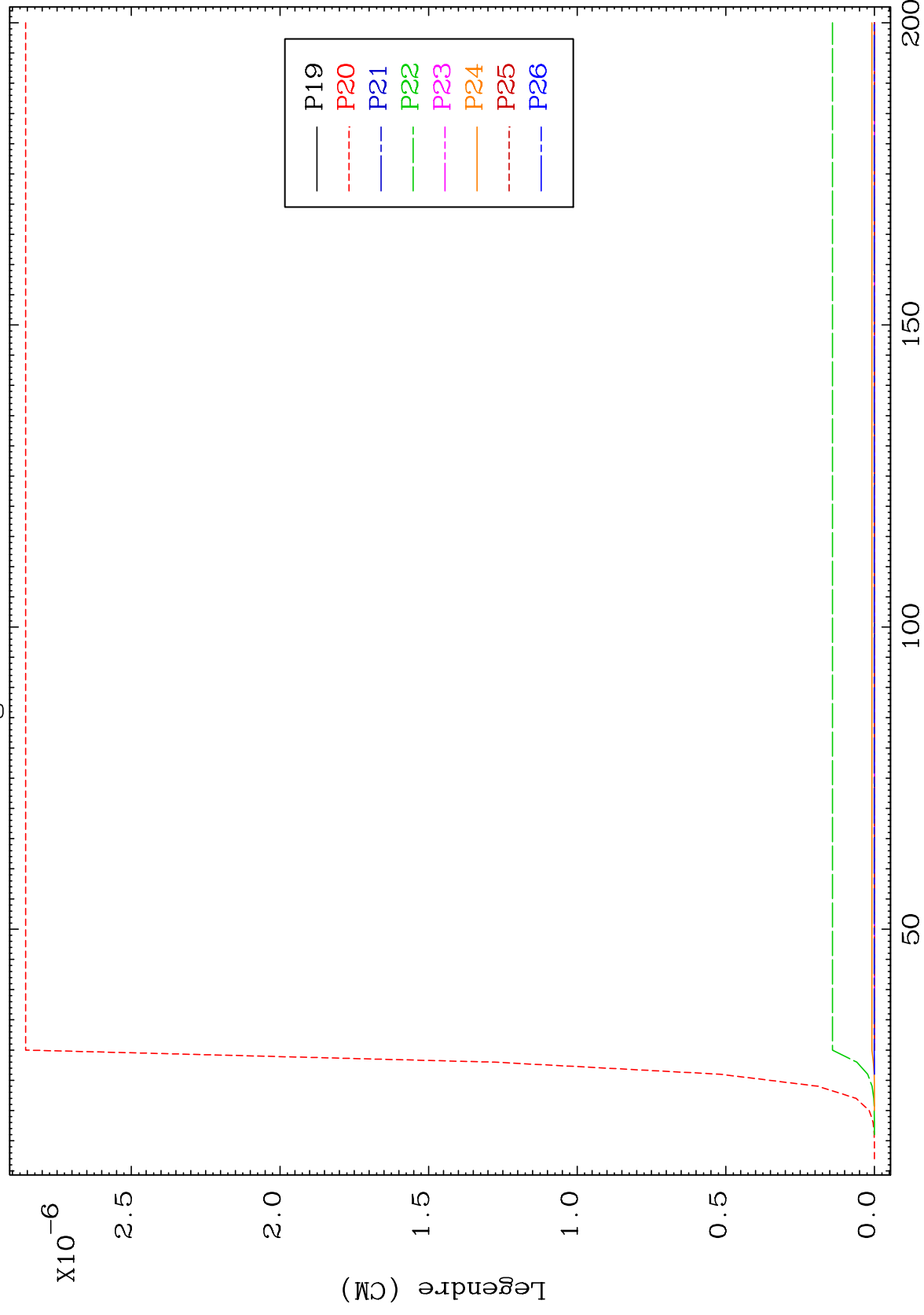
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



78

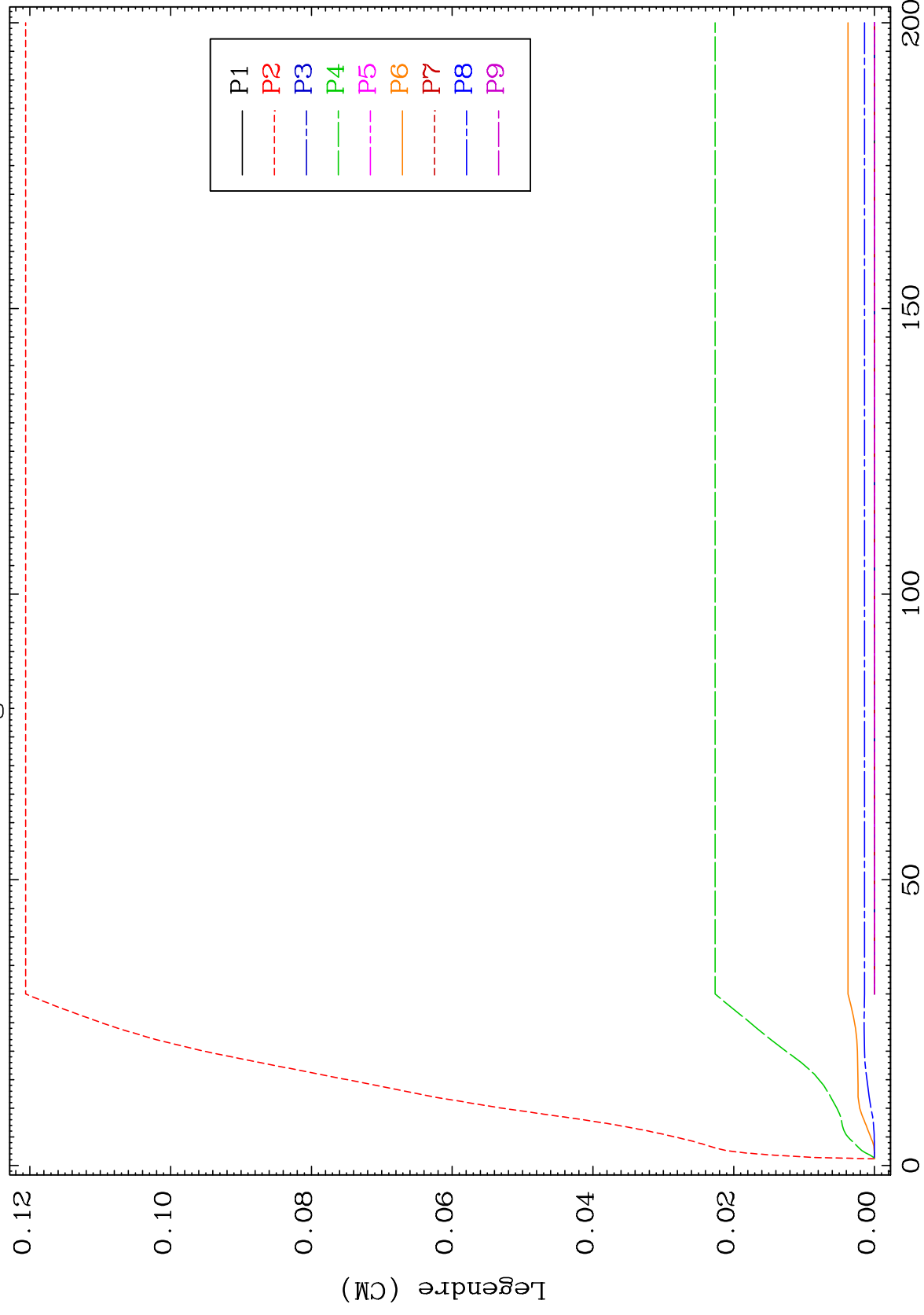
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



79

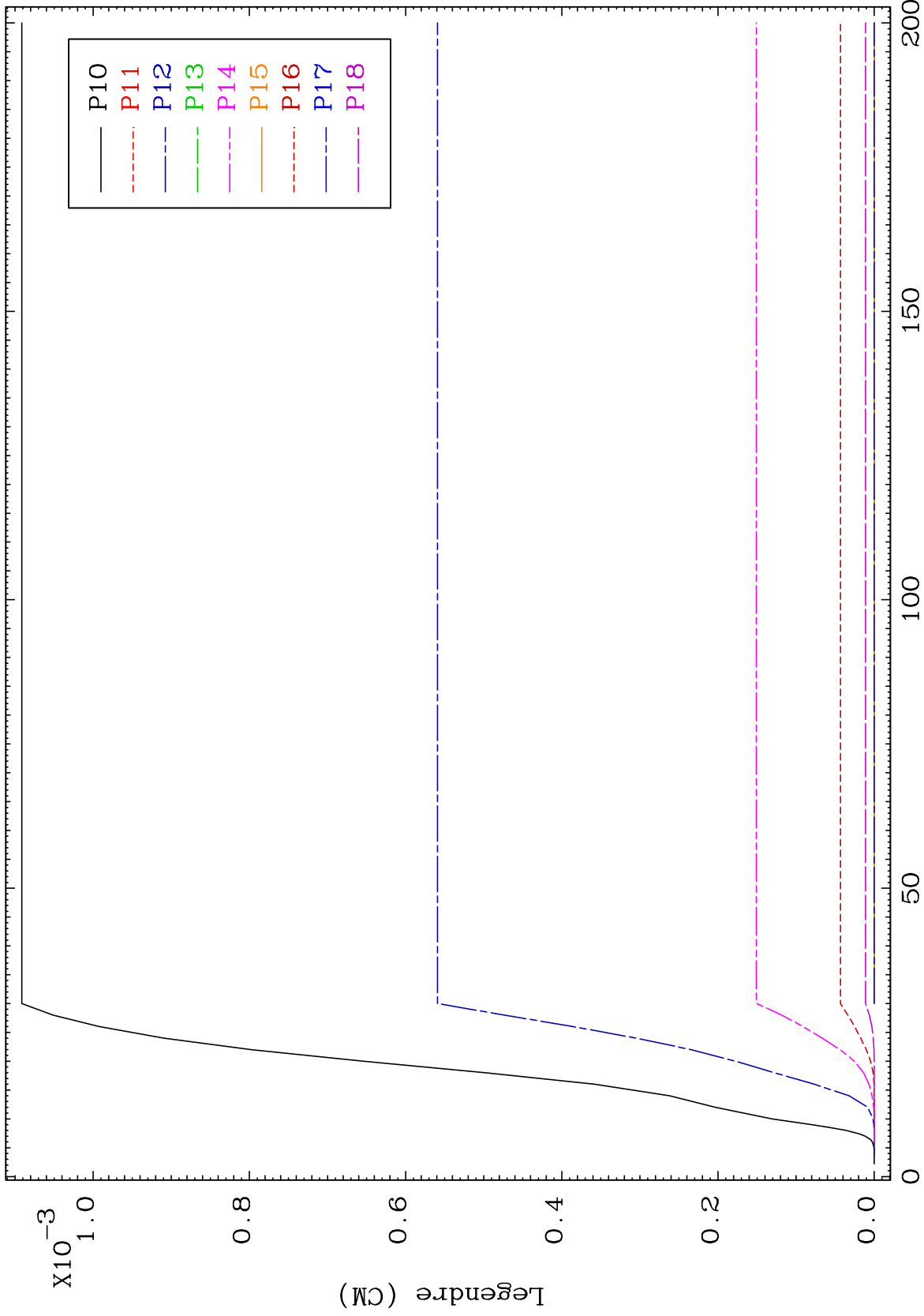
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



80

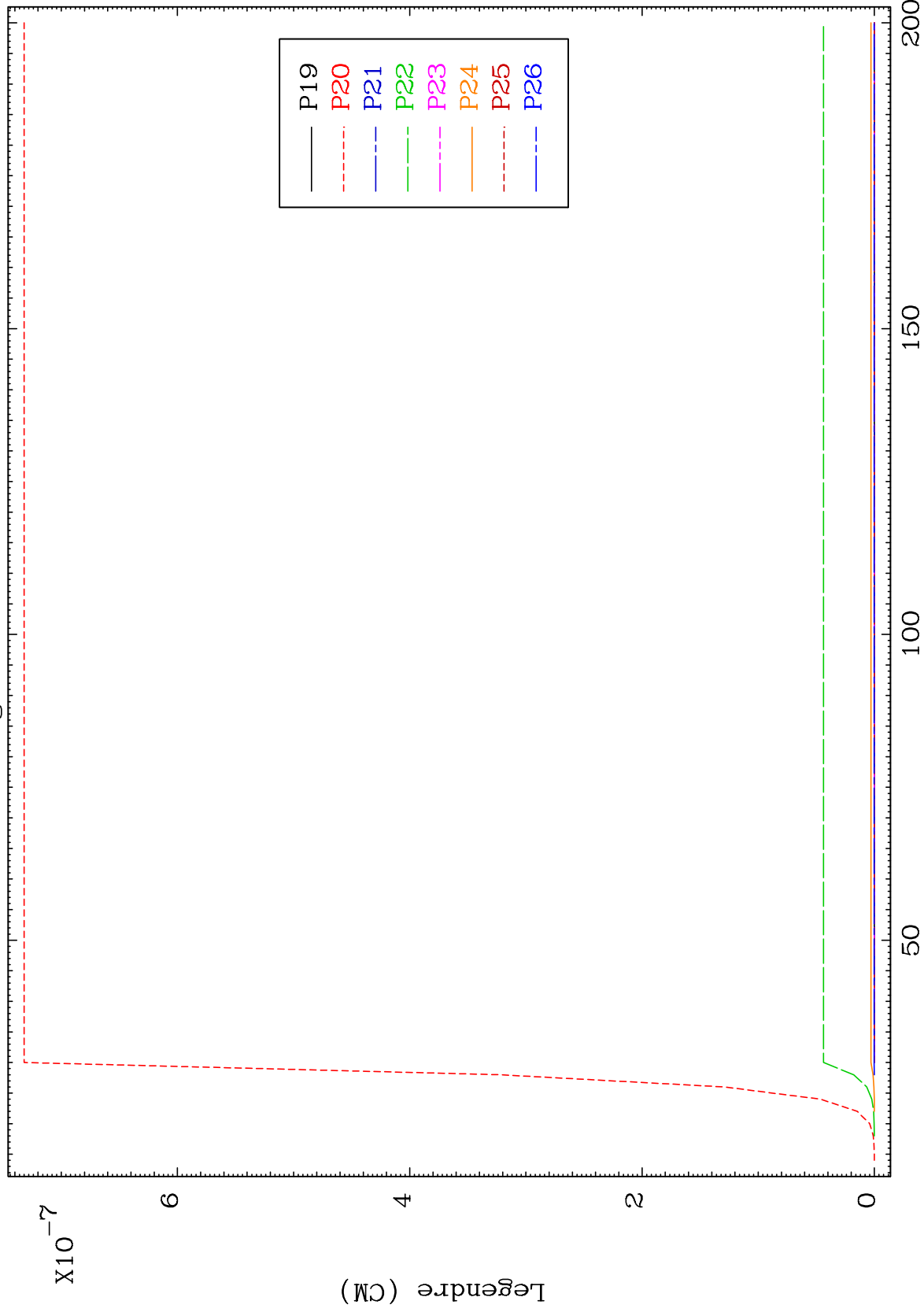
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



81

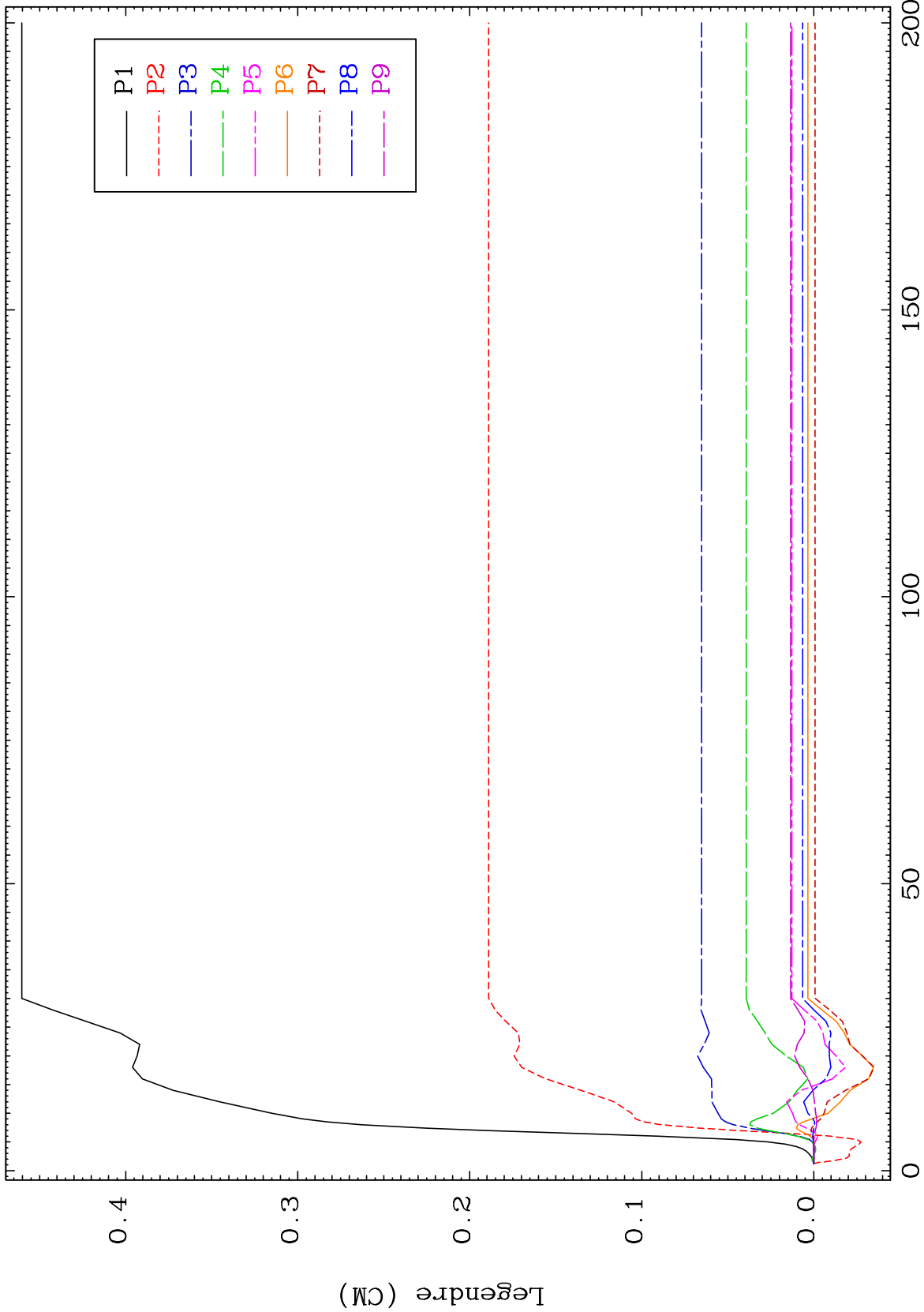
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



82

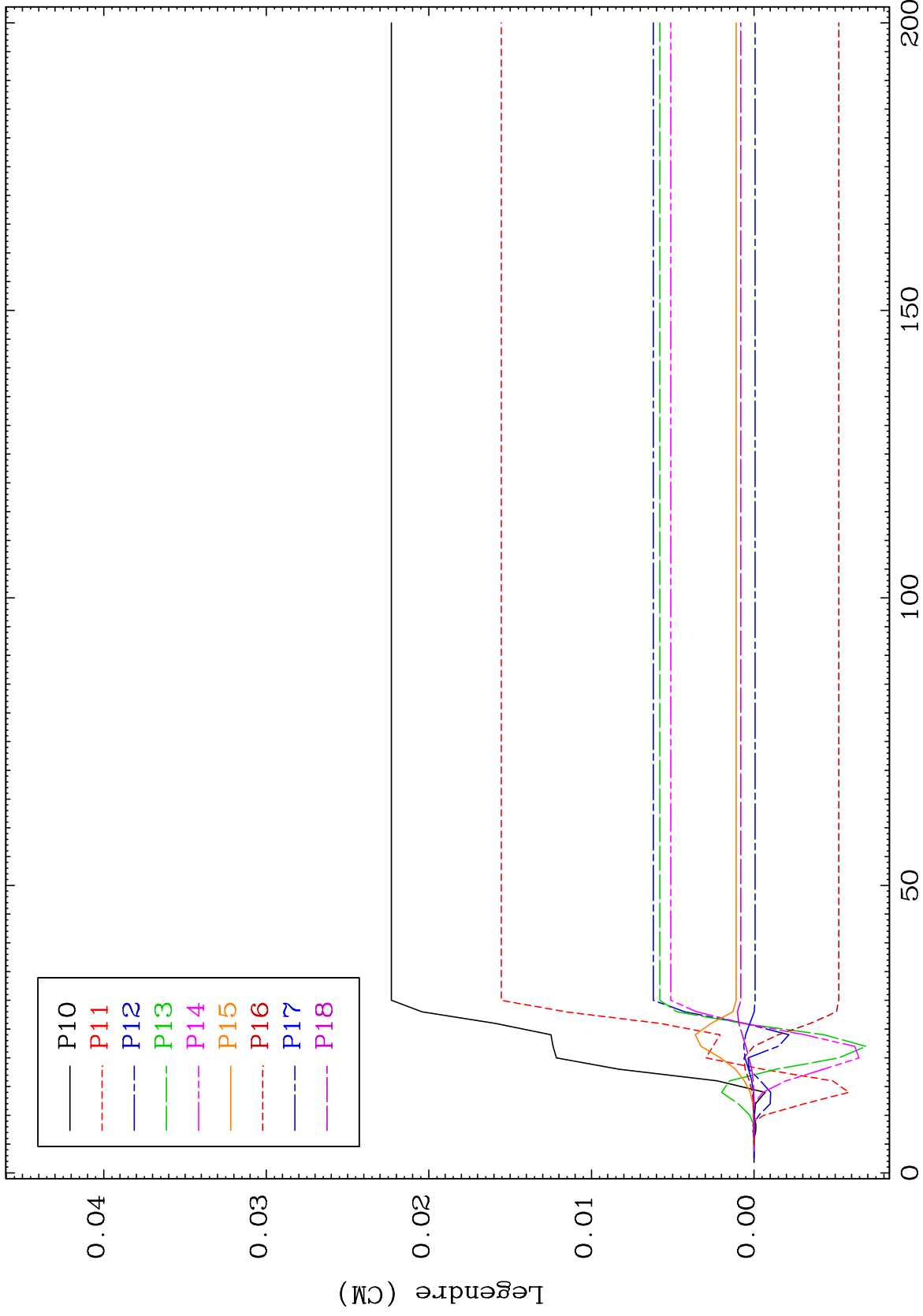
Incident Energy (MeV)

53-I -125

MAT 5319

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

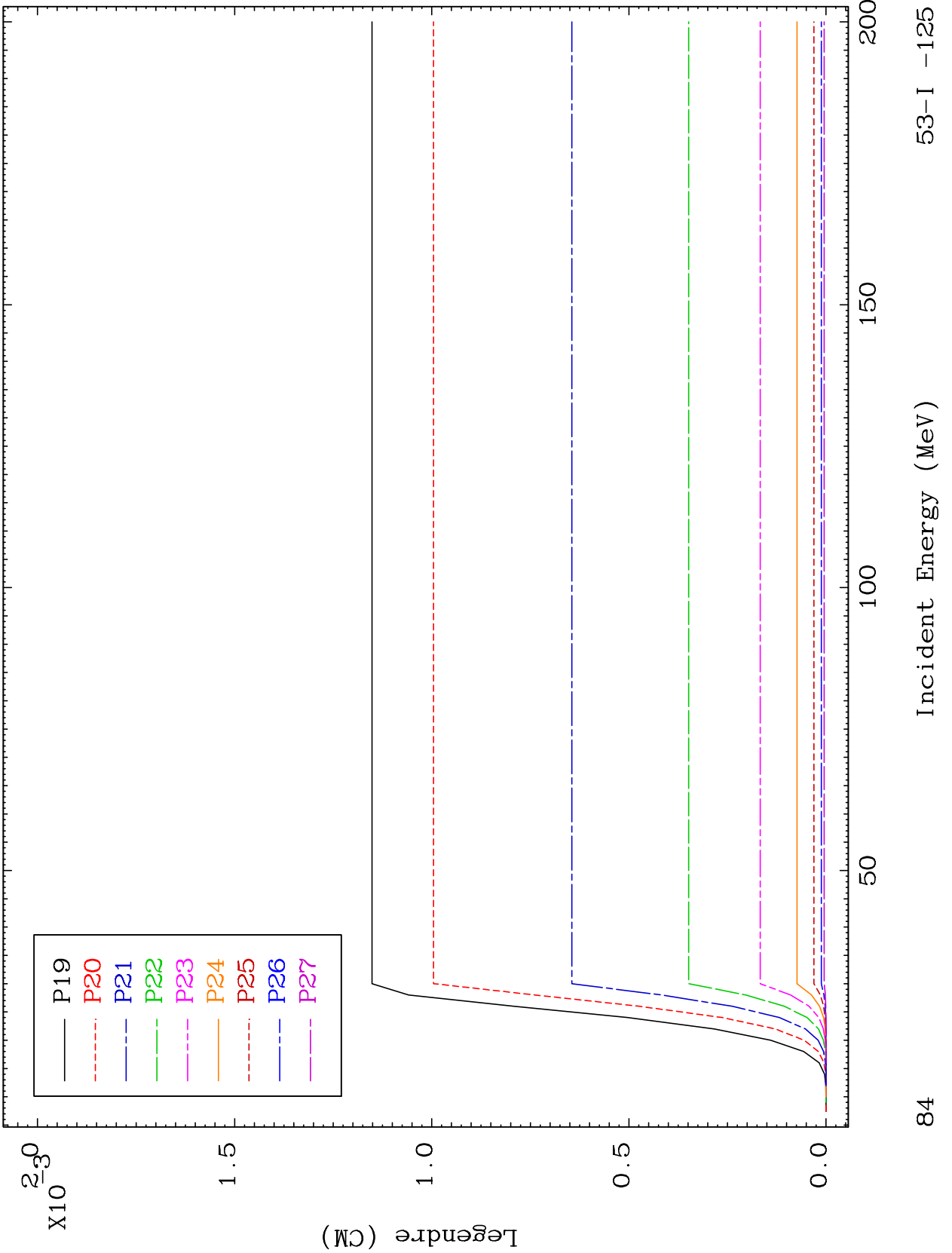
53-I -125



83

Incident Energy (MeV)

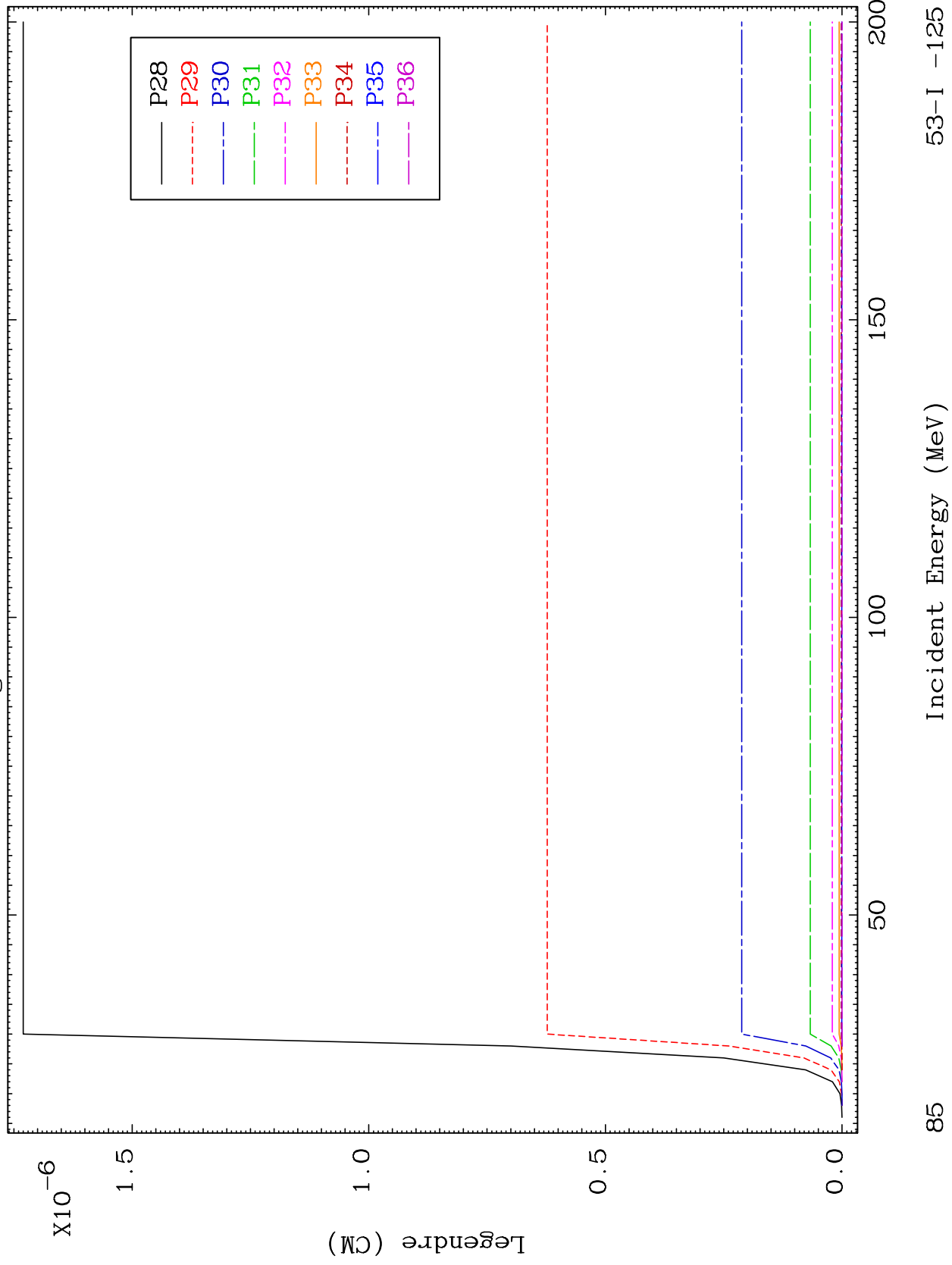
53-I -125



MAT 5319

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

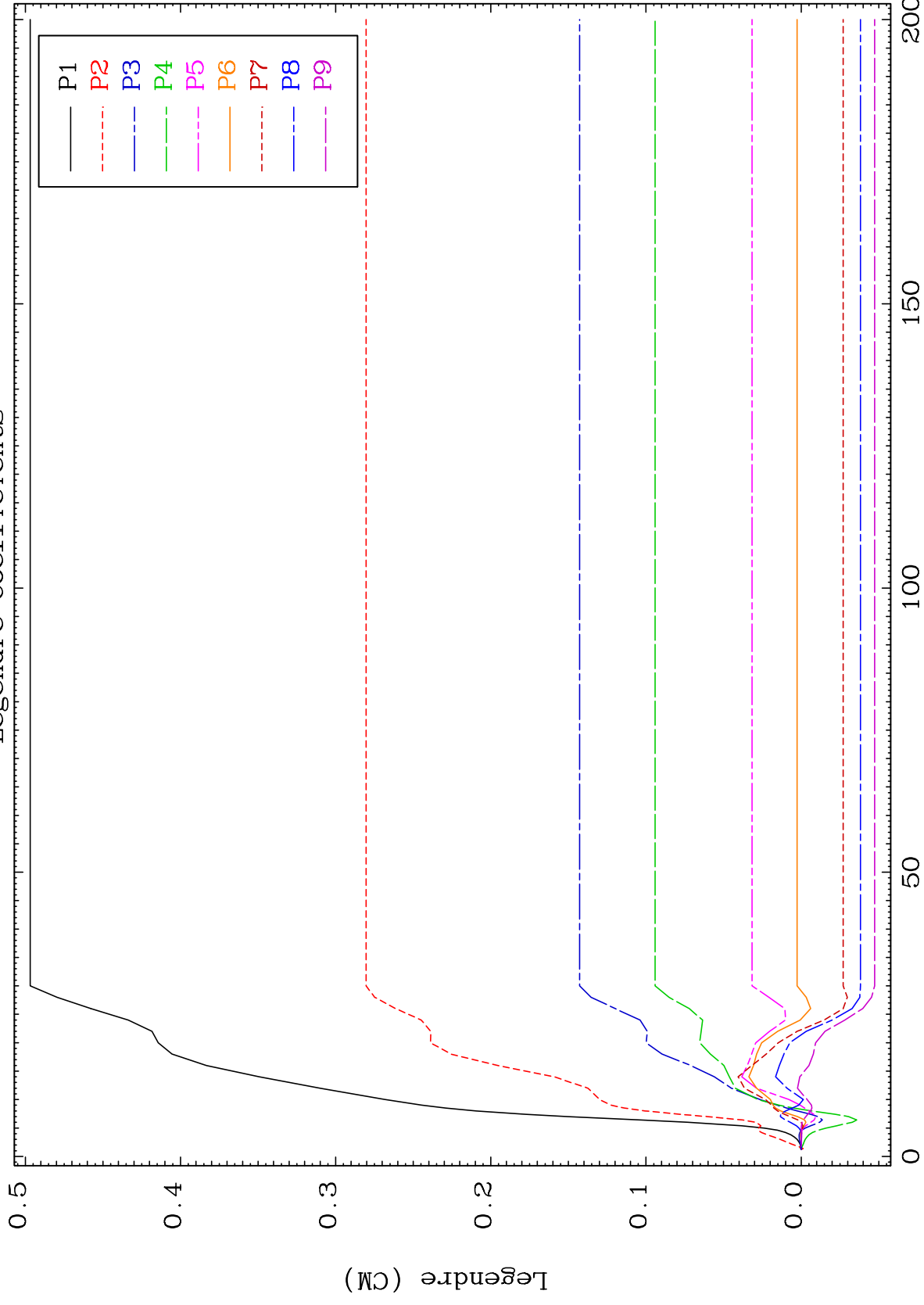
53-I -125



MAT 5319

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

53-I -125



86

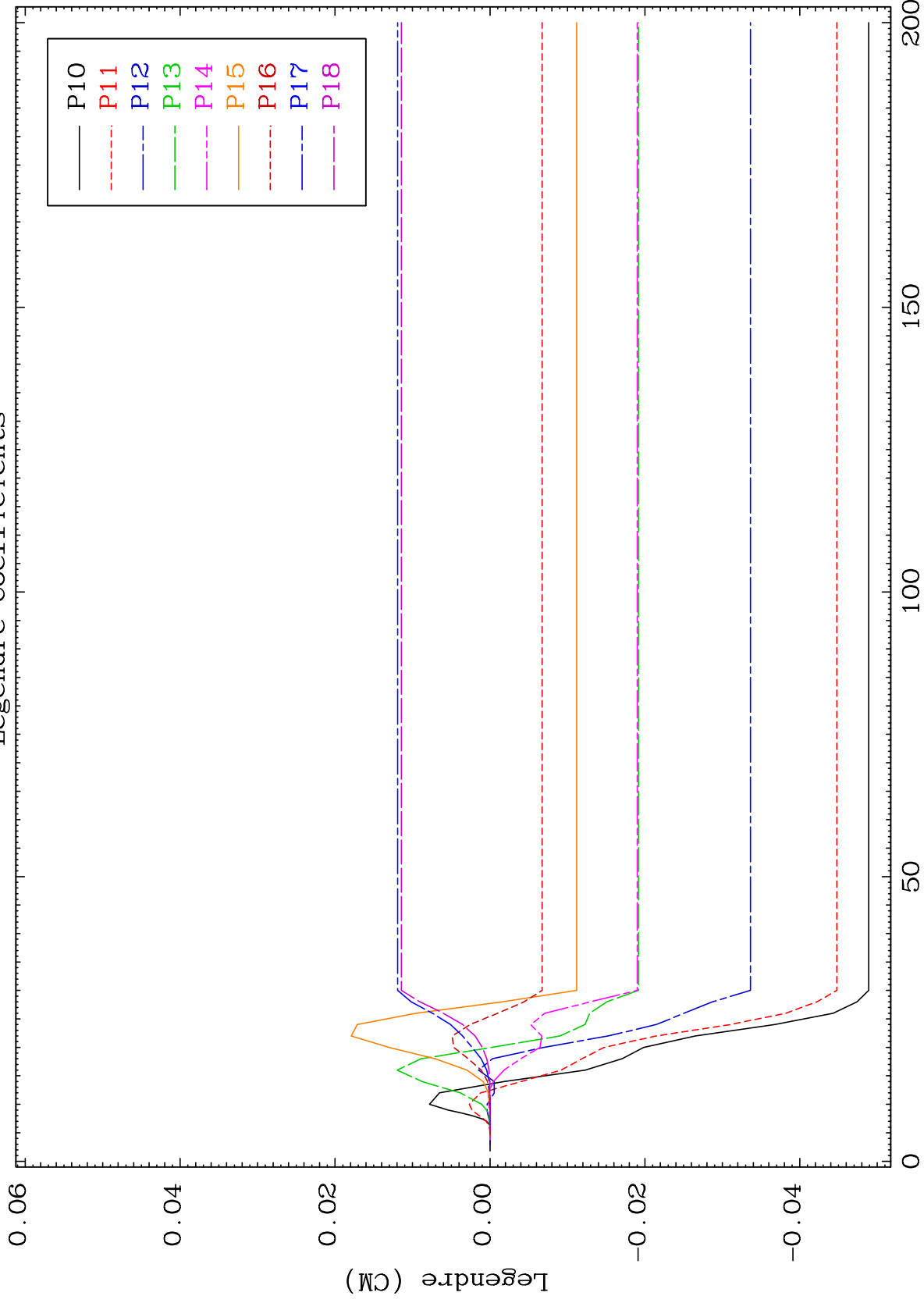
Incident Energy (MeV)

53-I -125

MAT 5319

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

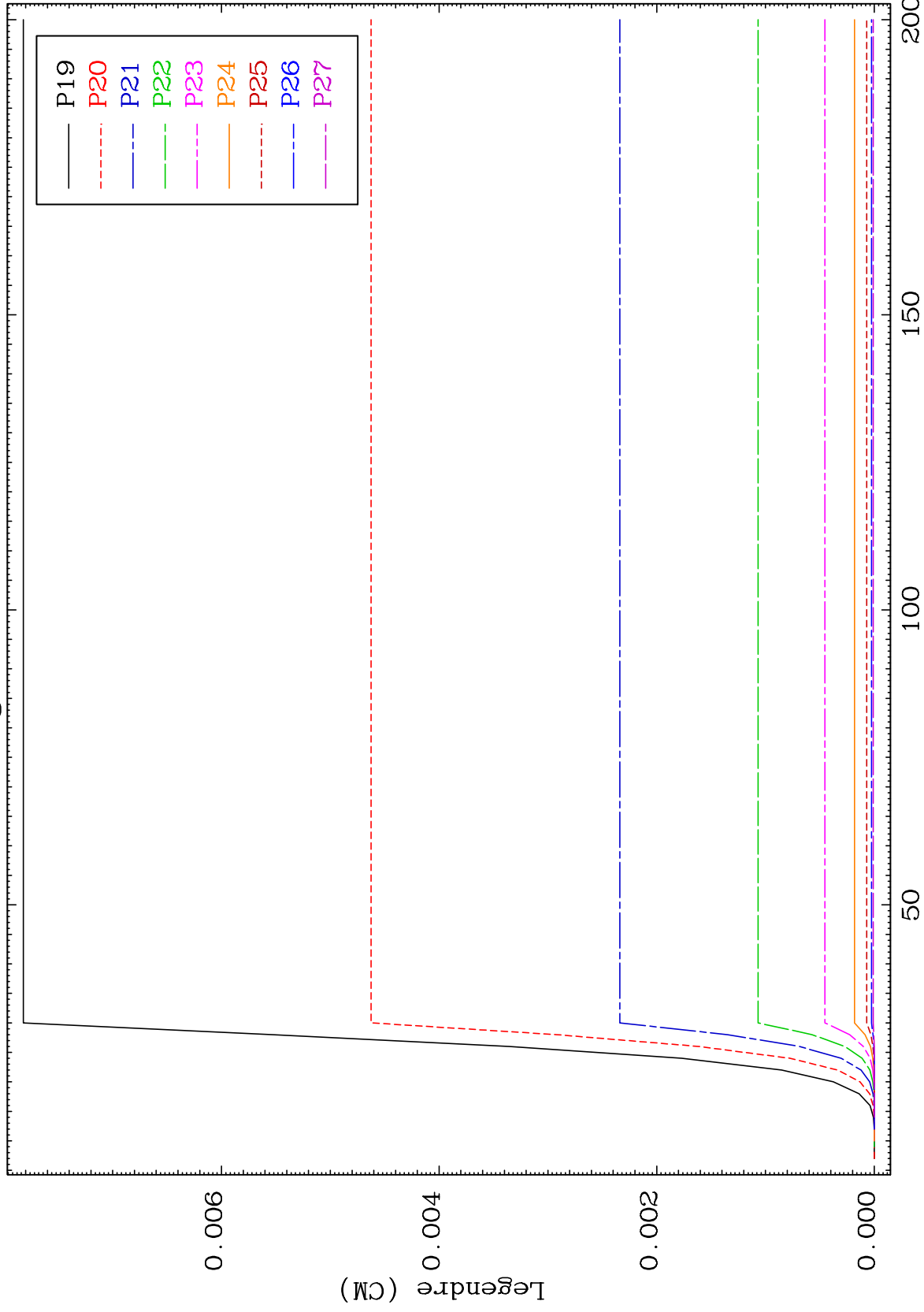
53-I -125



87

Incident Energy (MeV)

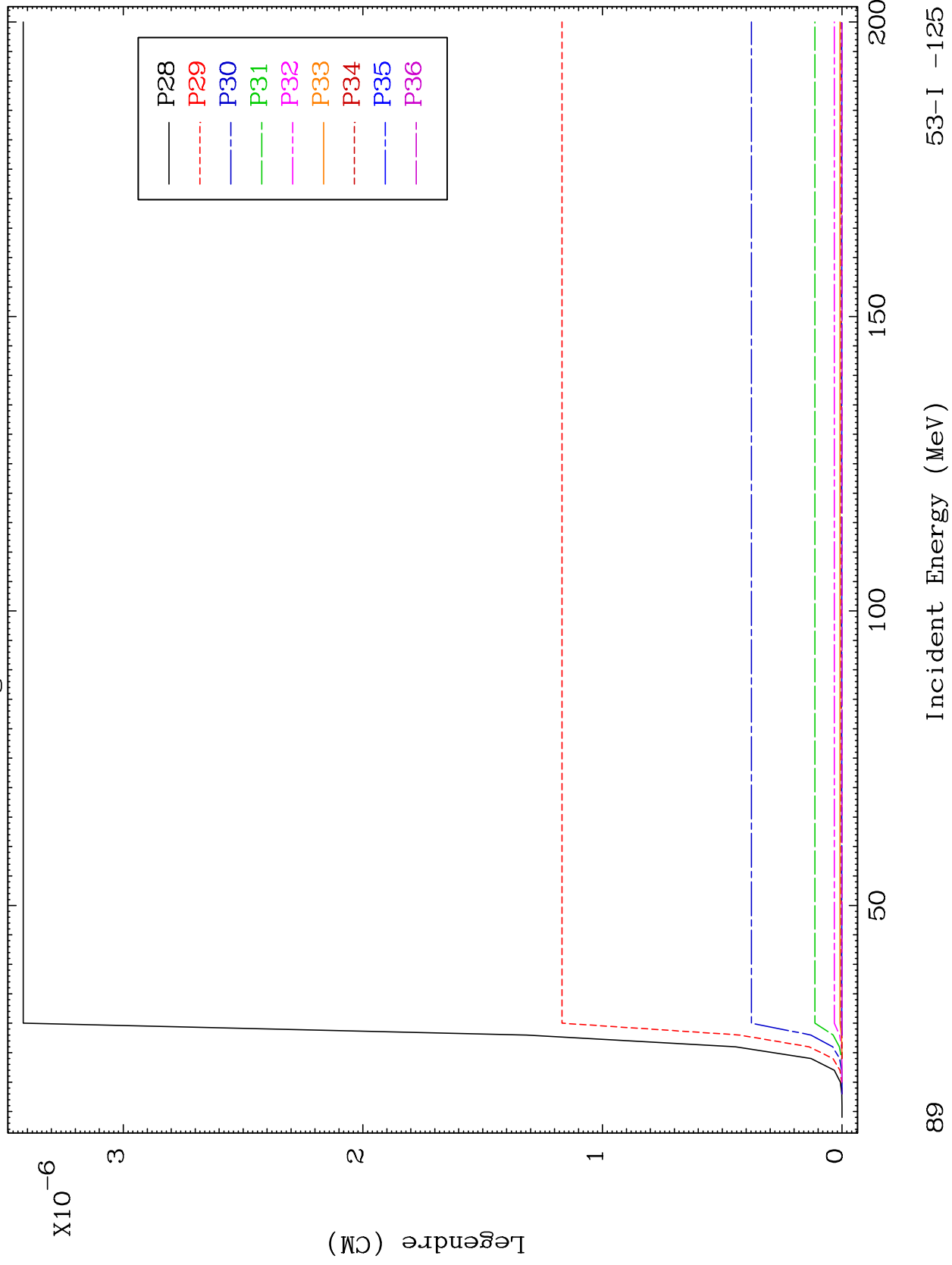
53-I -125



MAT 5319

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

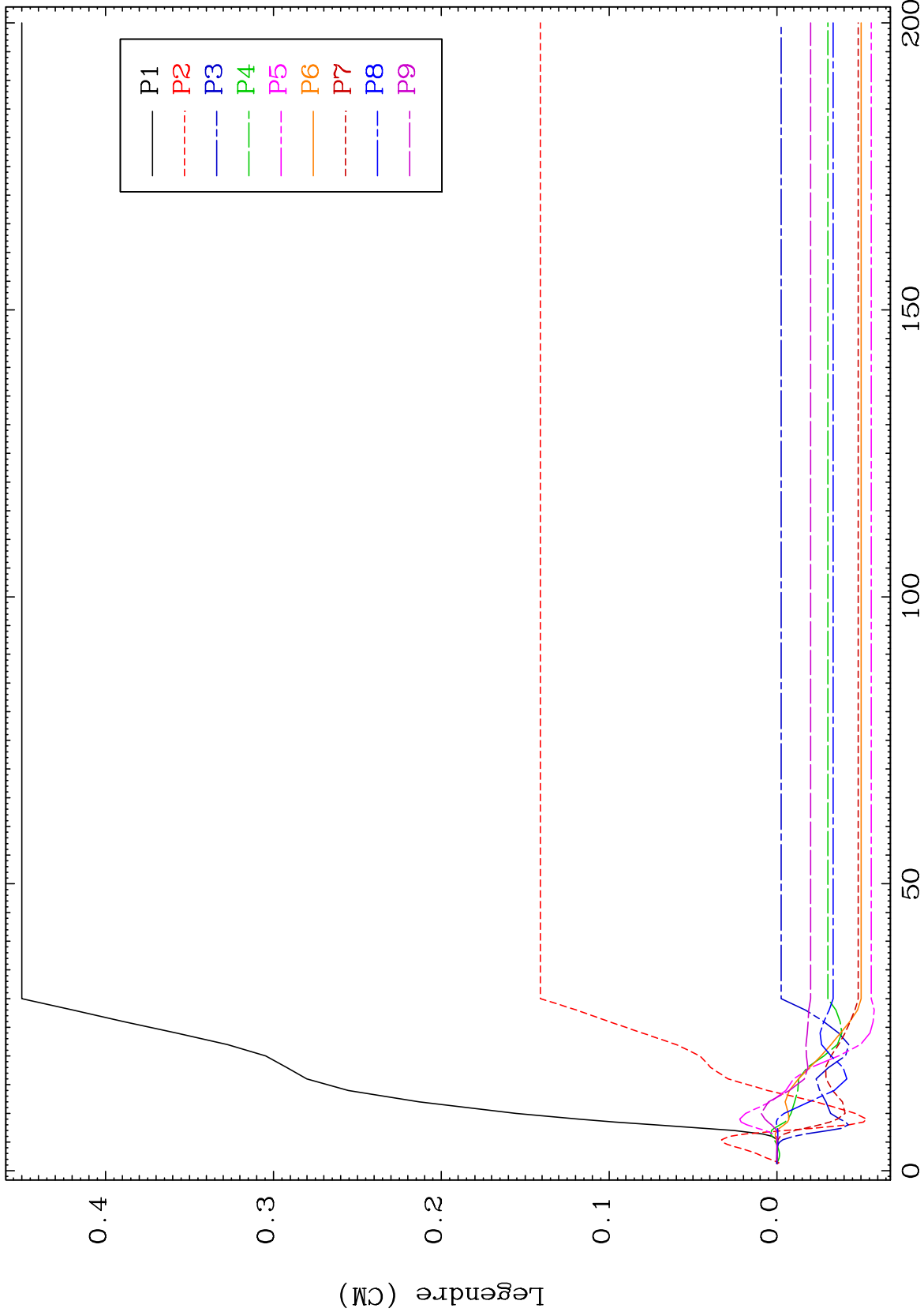
53-I -125



MAT 5319

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

53-I -125



90

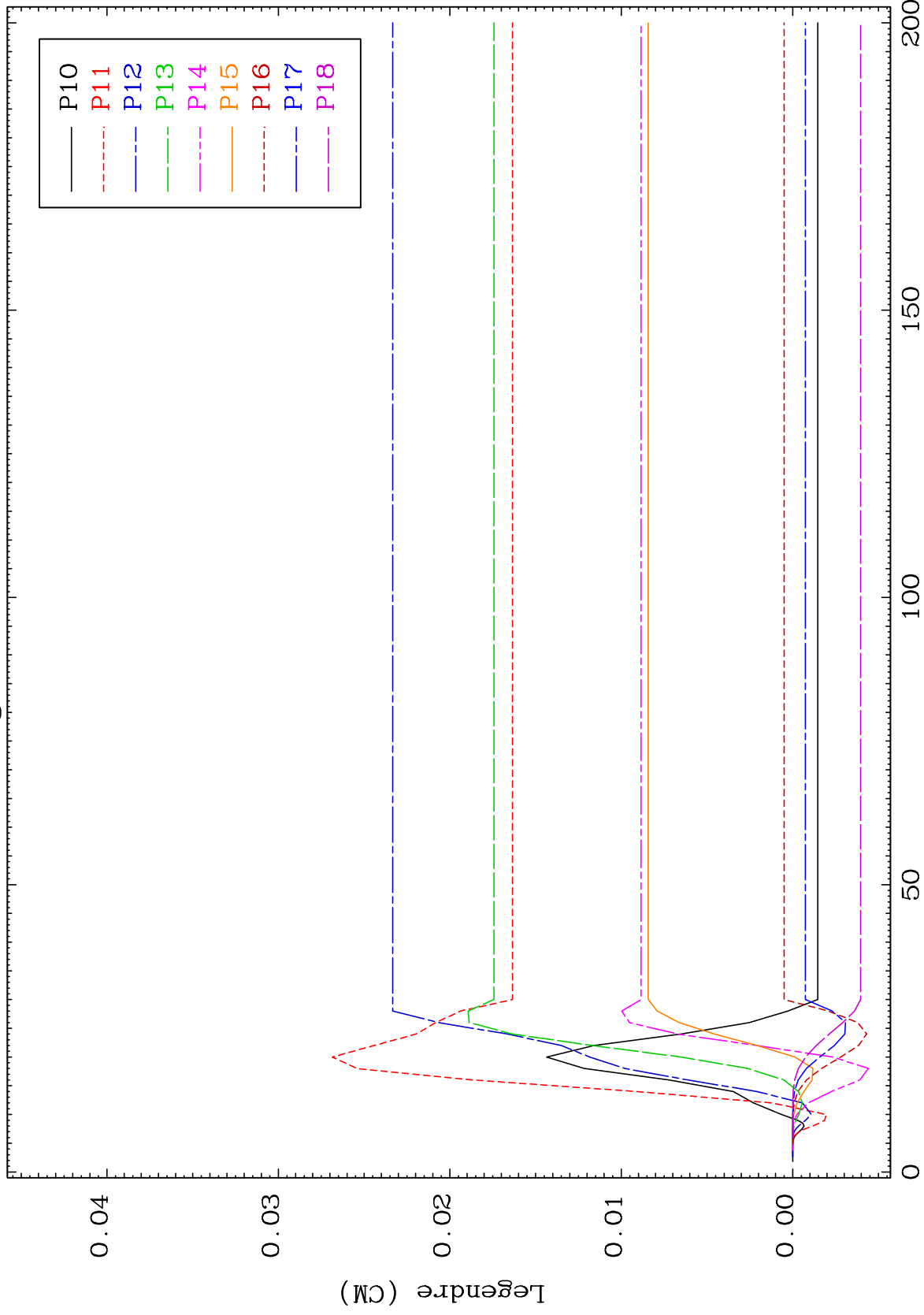
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



91

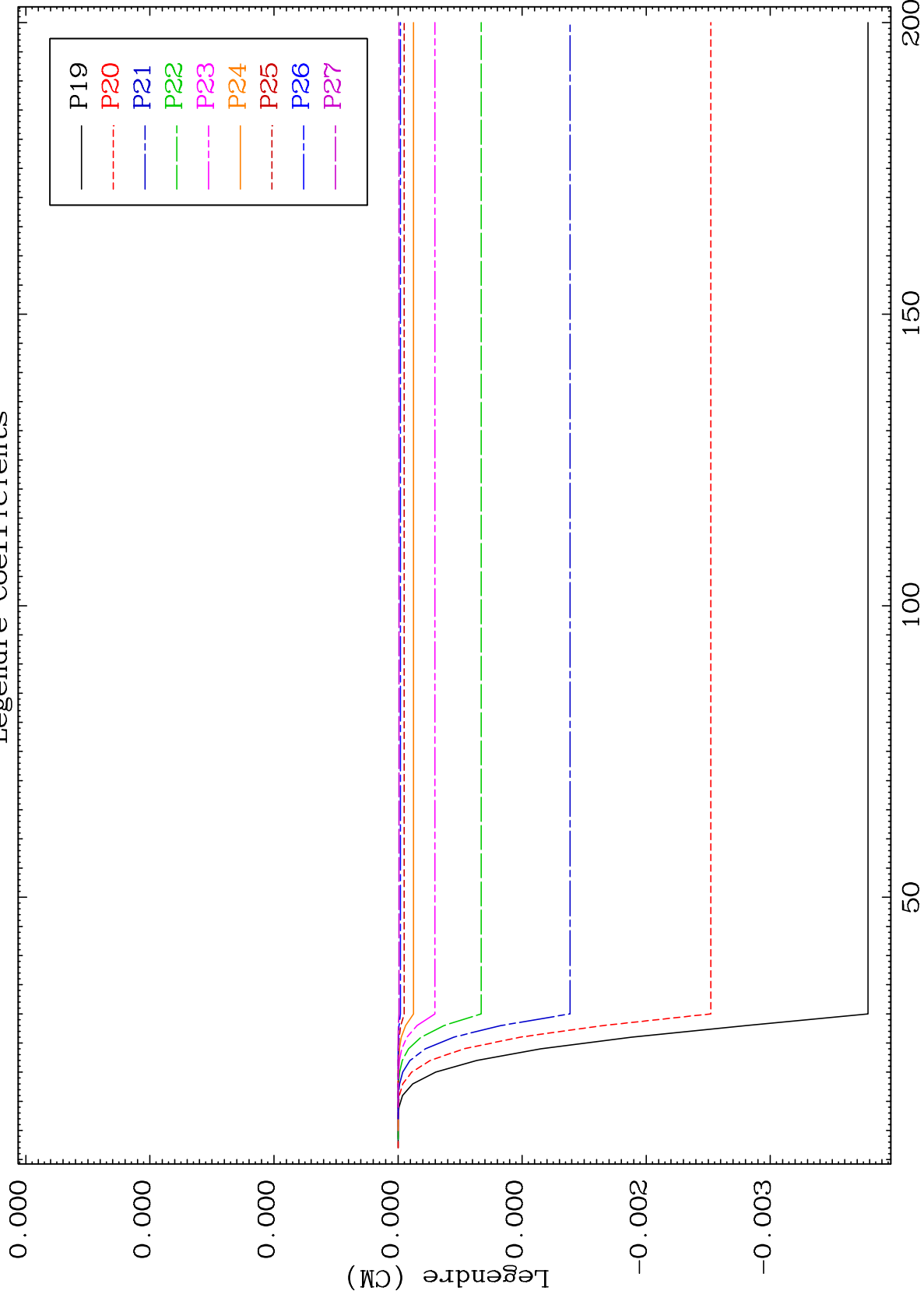
Incident Energy (MeV)

53-I -125

MAT 5319

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

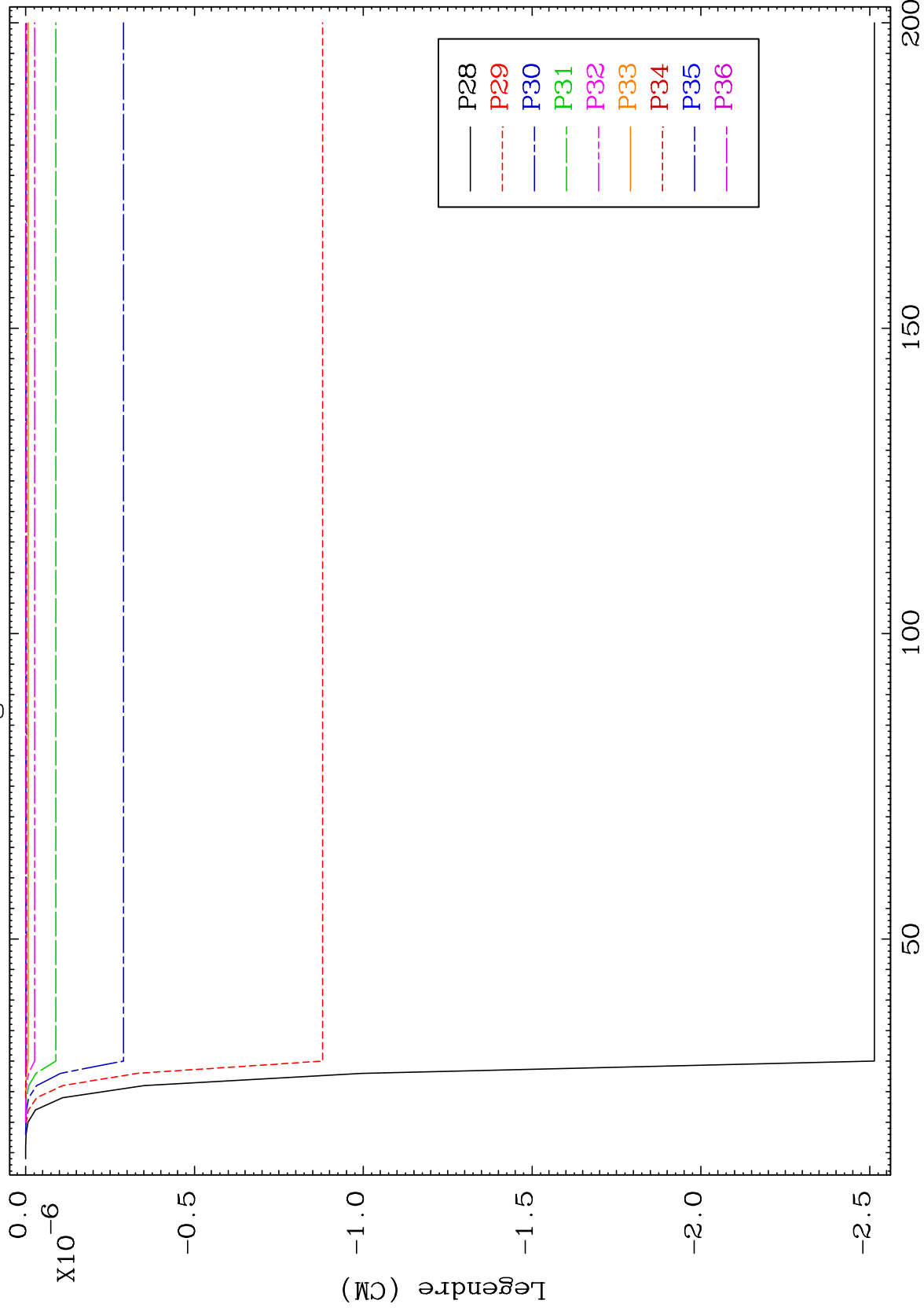
53-I -125



92

Incident Energy (MeV)

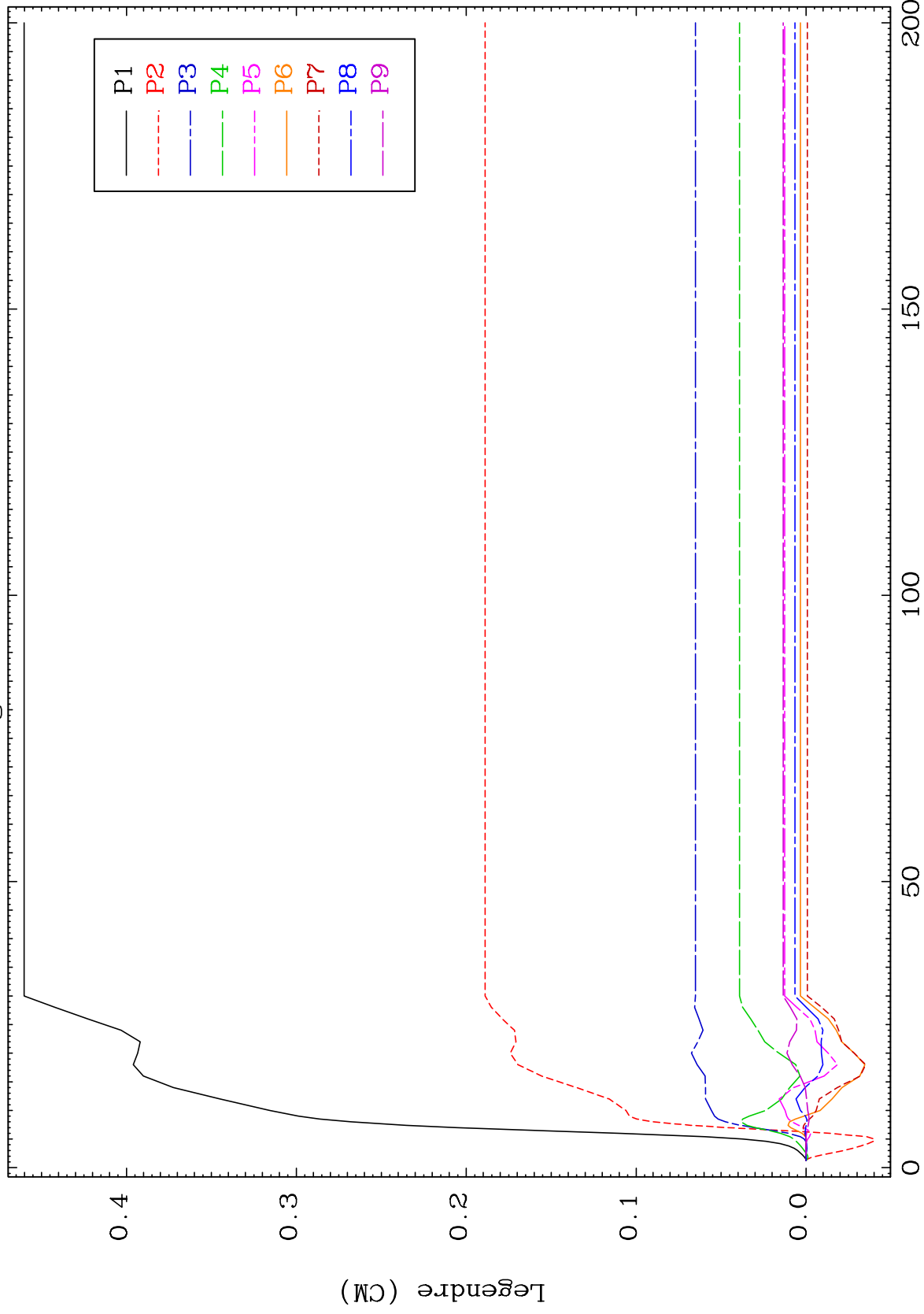
53-I -125



MAT 5319

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

53-I -125



94

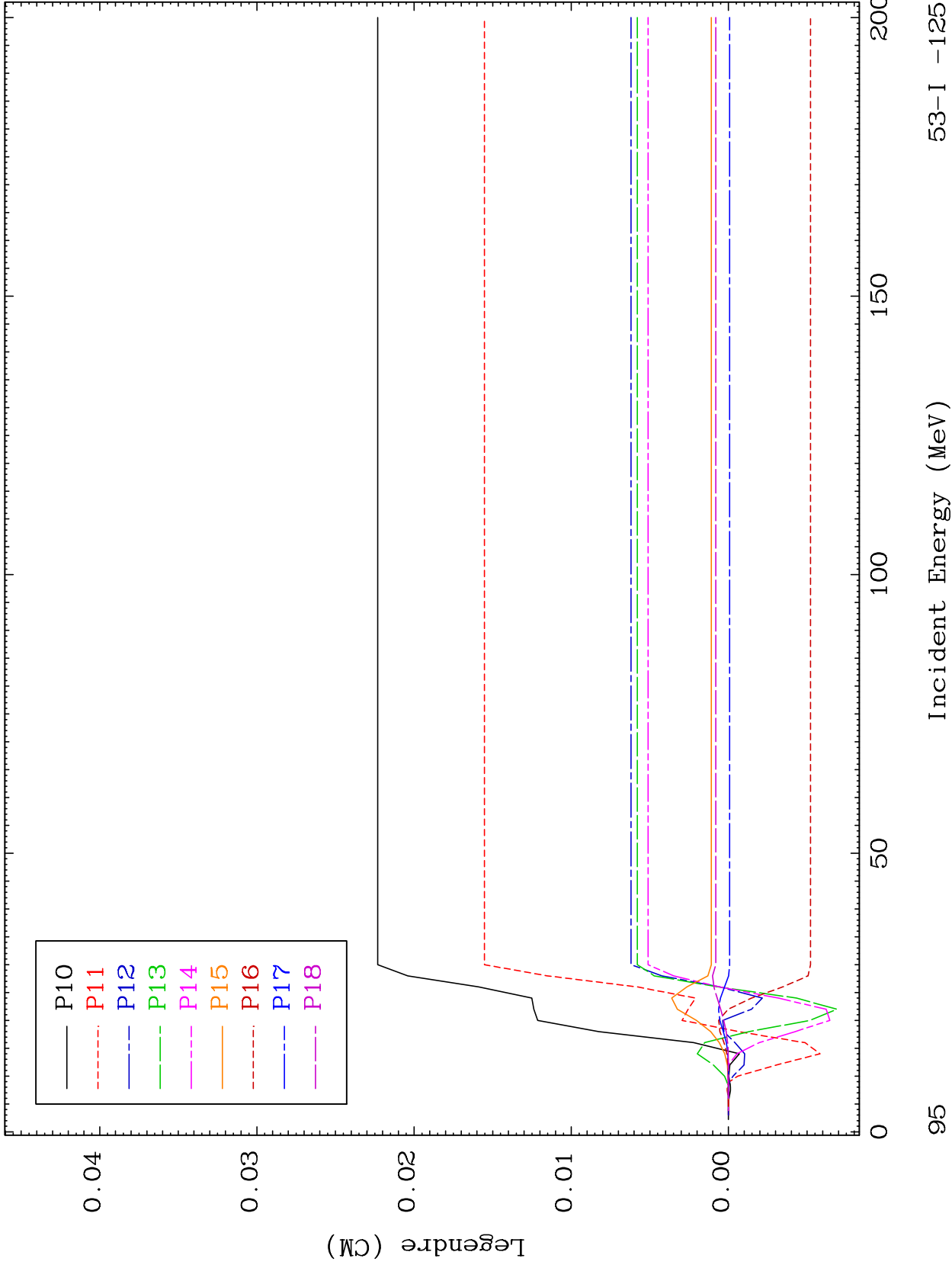
Incident Energy (MeV)

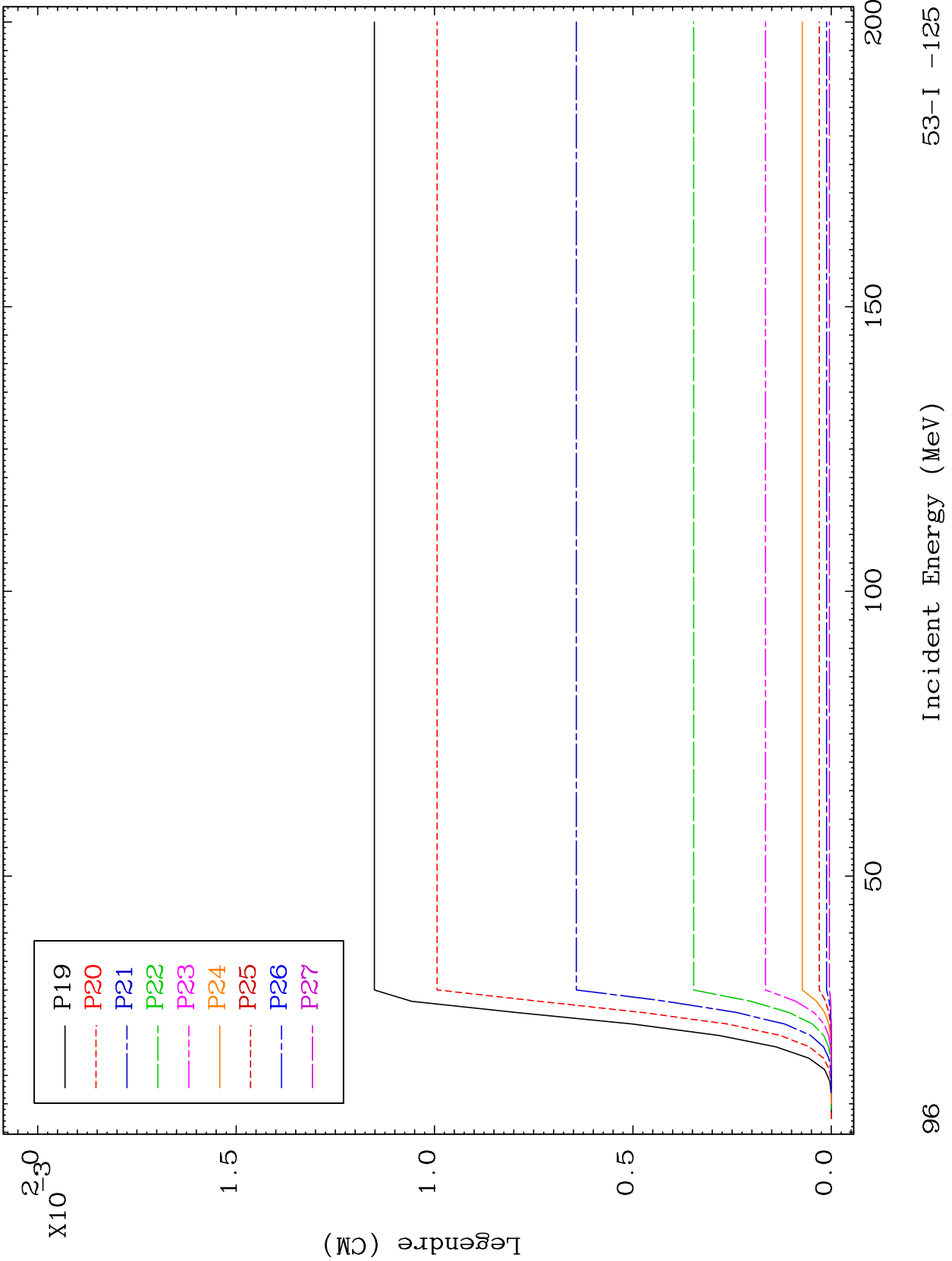
53-I -125

MAT 5319

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

53-I -125

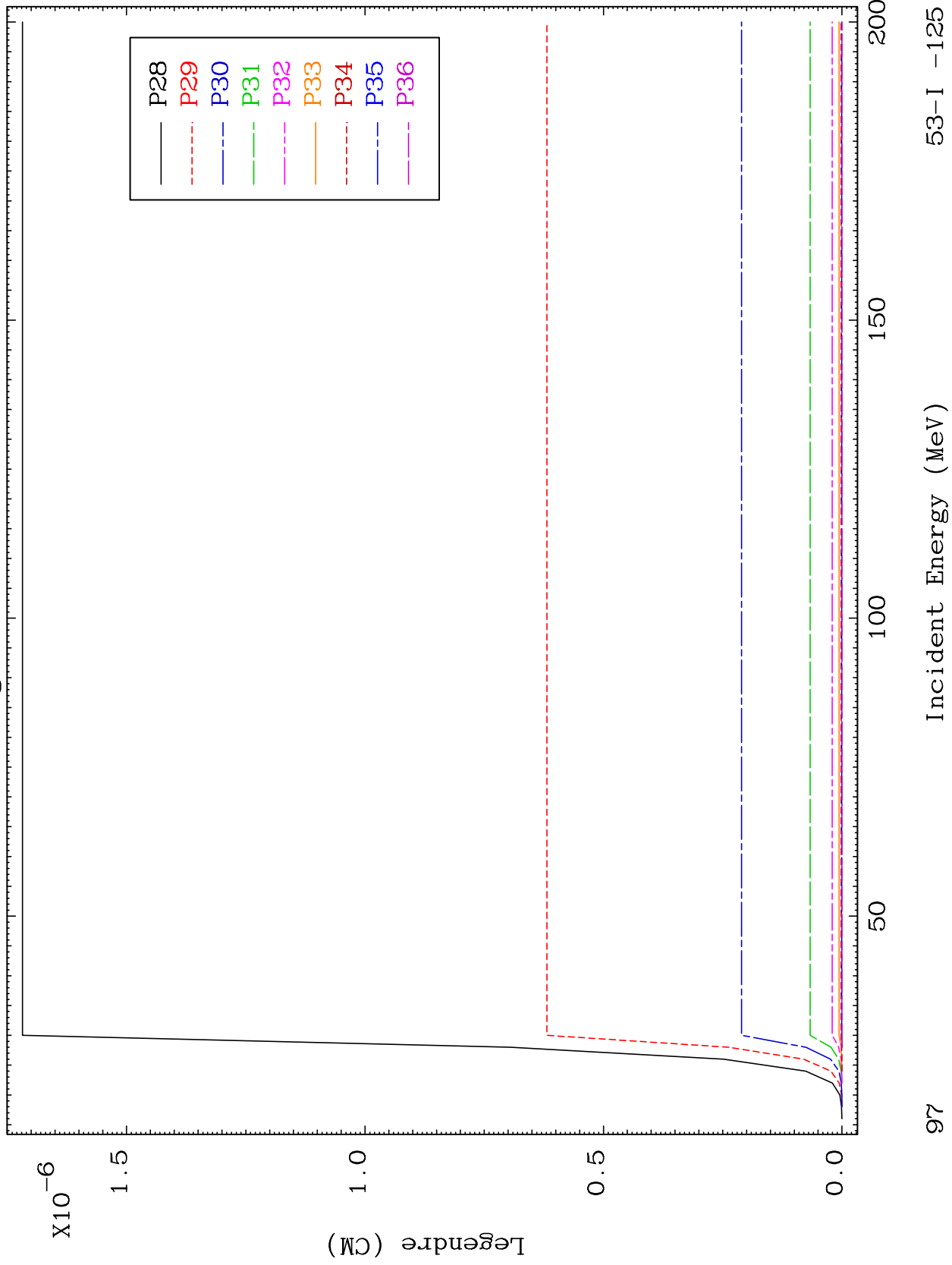




MAT 5319

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

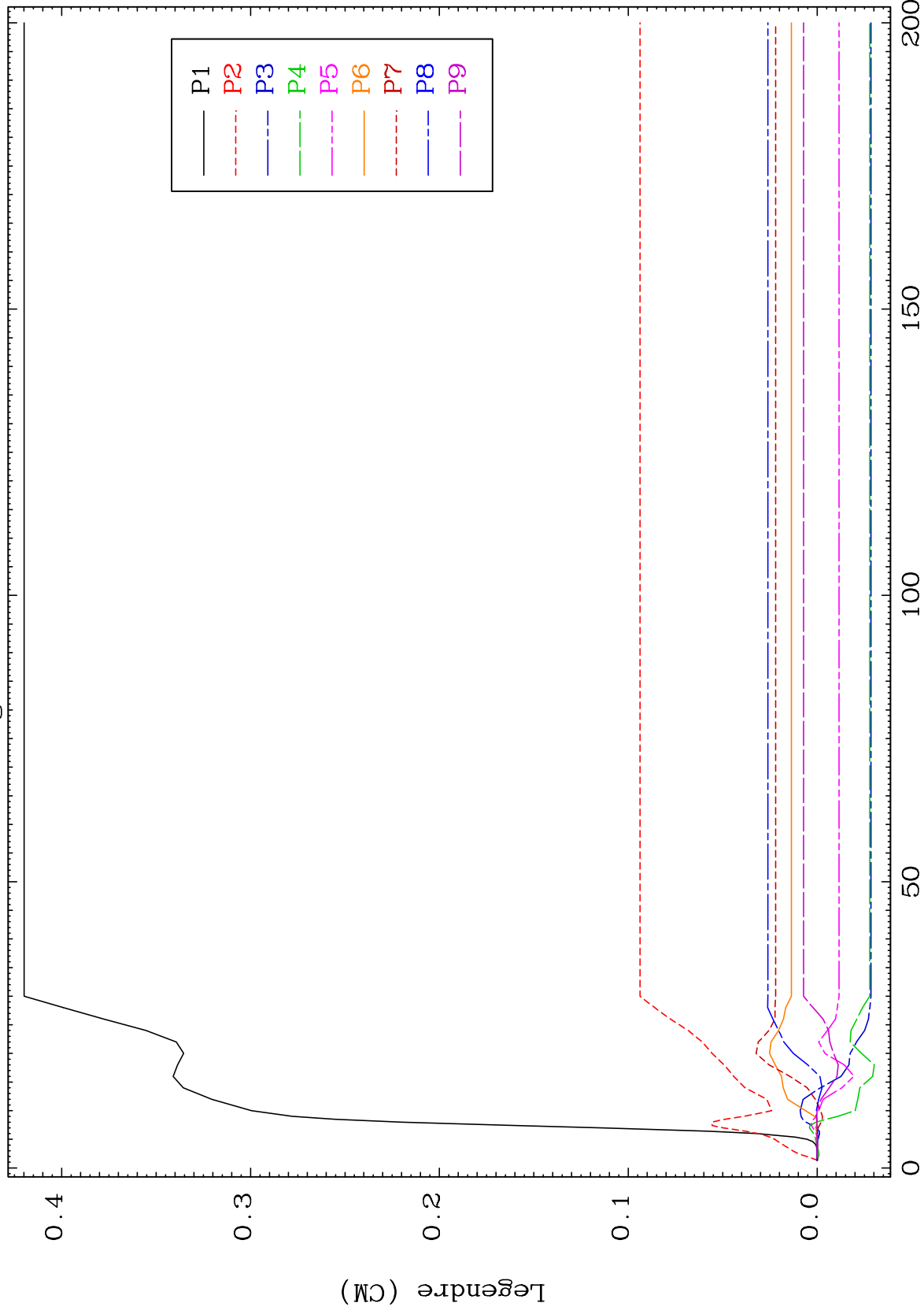
53-I -125



MAT 5319

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

53-I -125



98

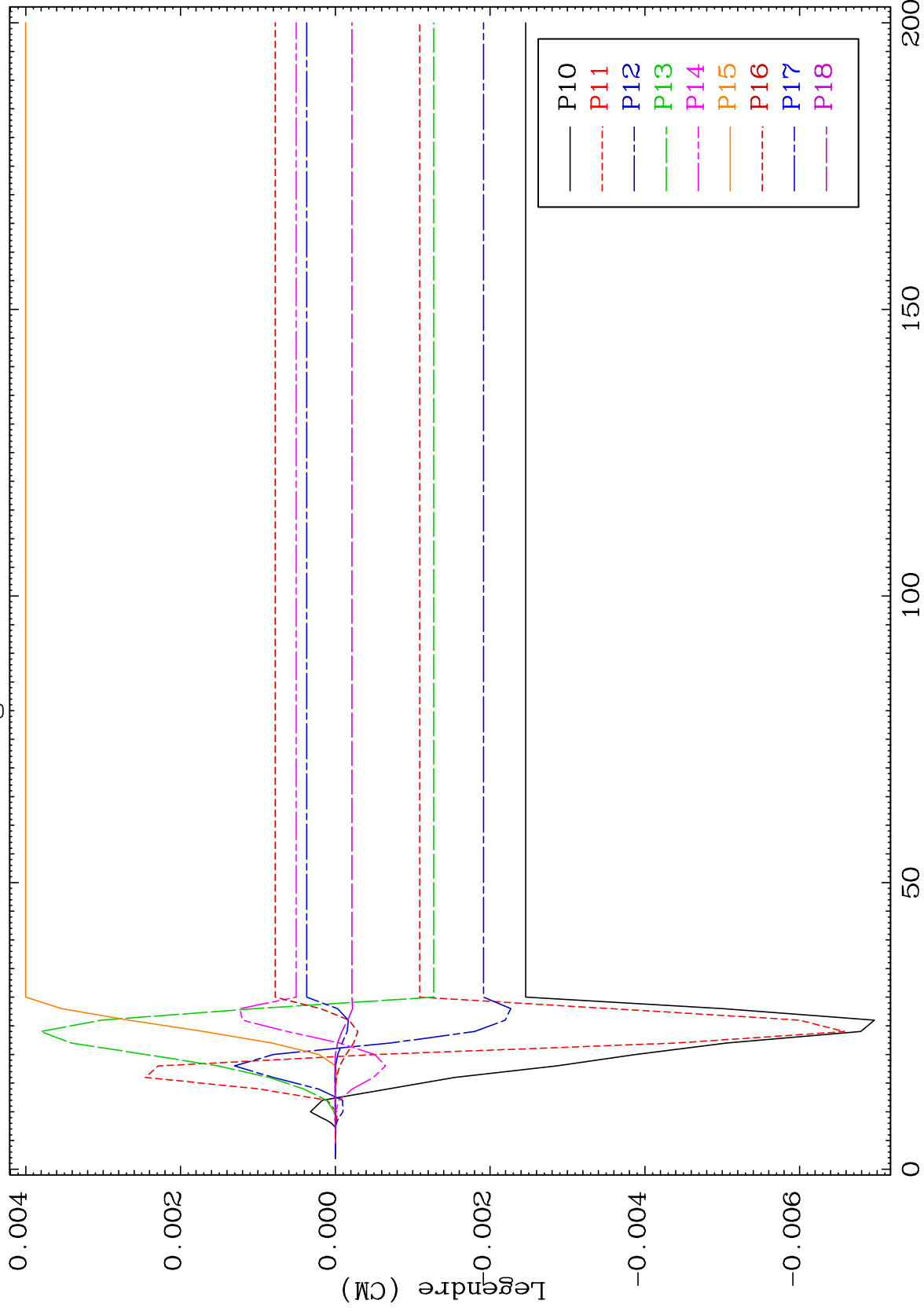
Incident Energy (MeV)

53-I -125

MAT 5319

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

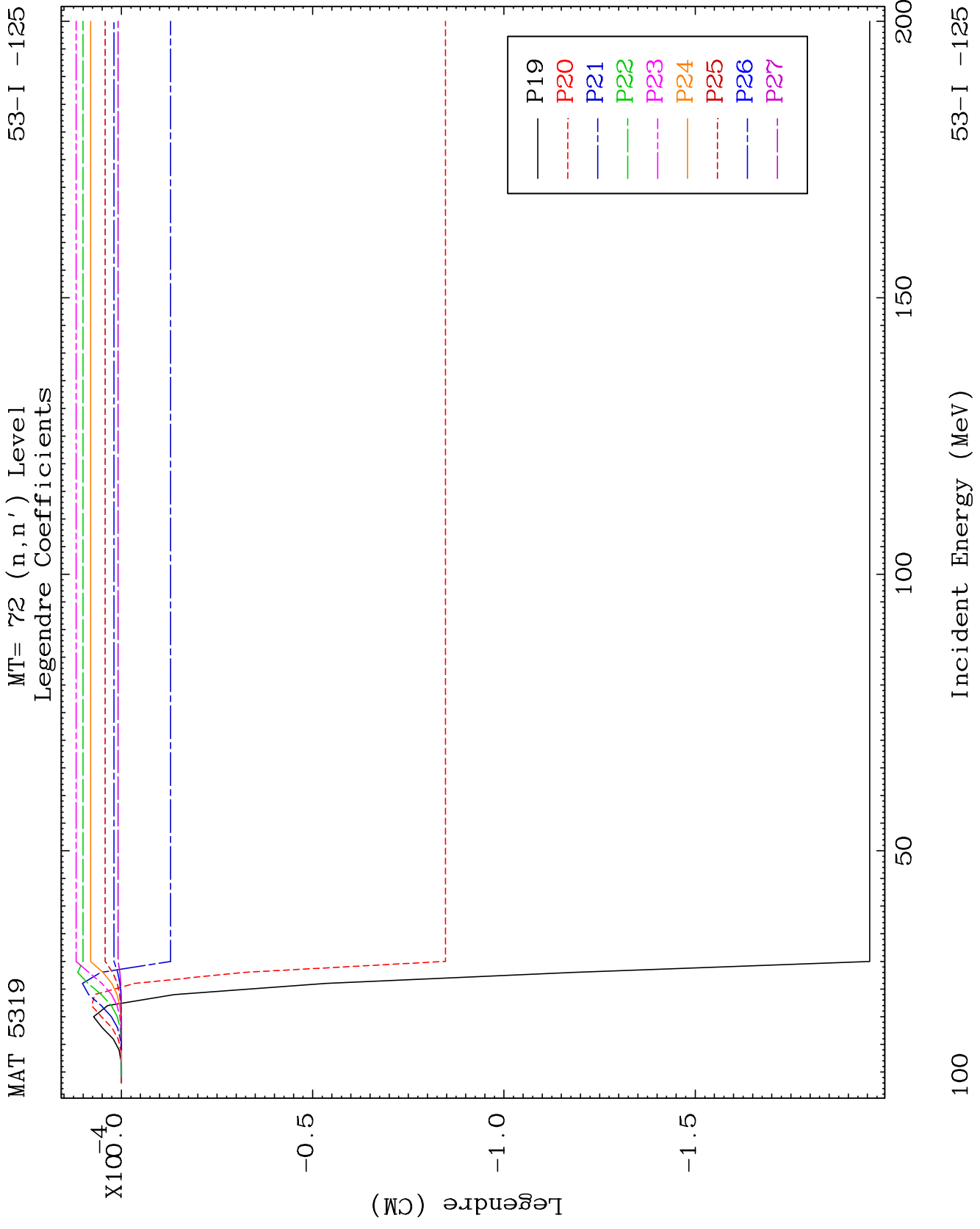
53-I -125



99

Incident Energy (MeV)

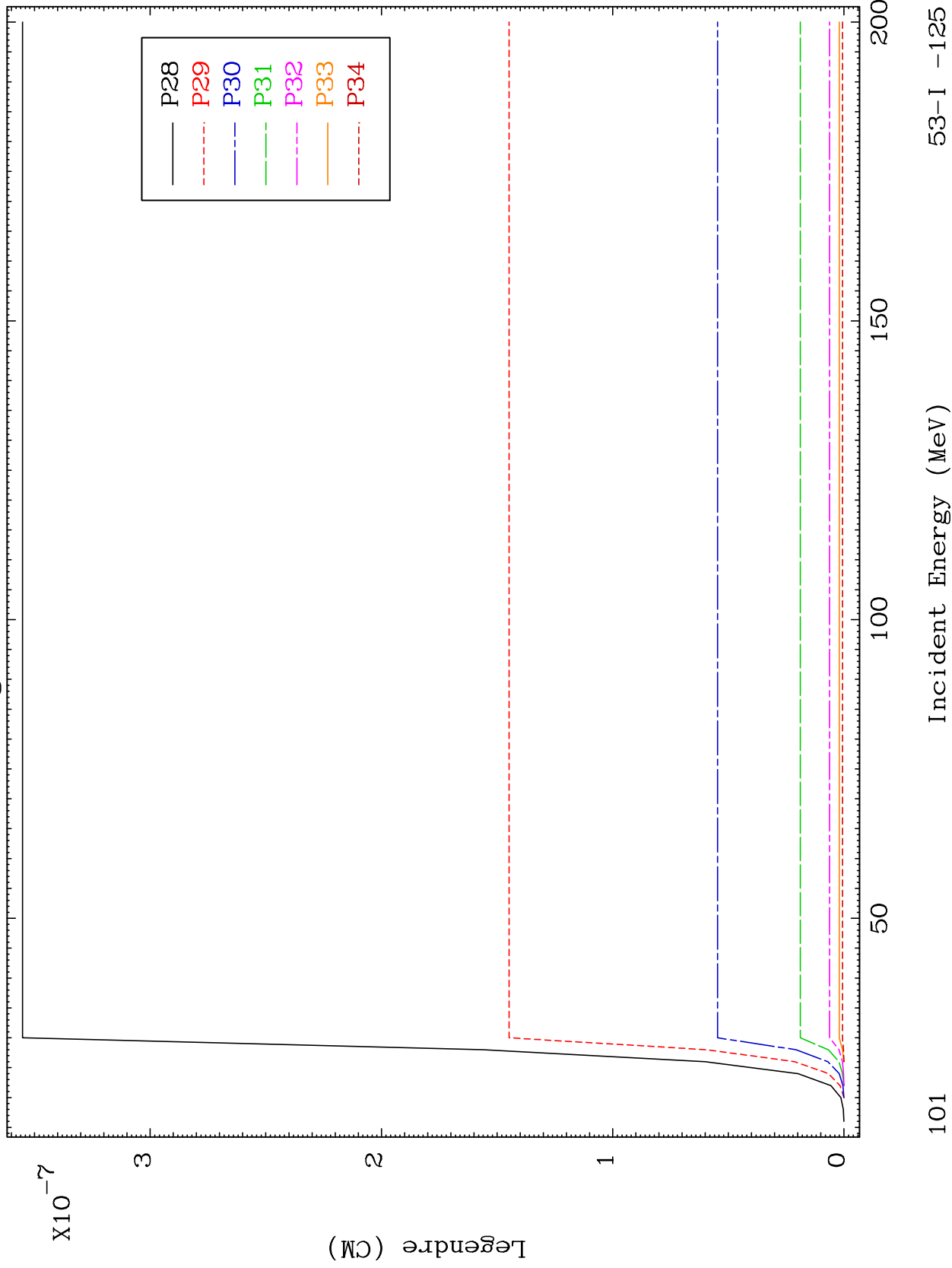
53-I -125



MAT 5319

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

53-I -125

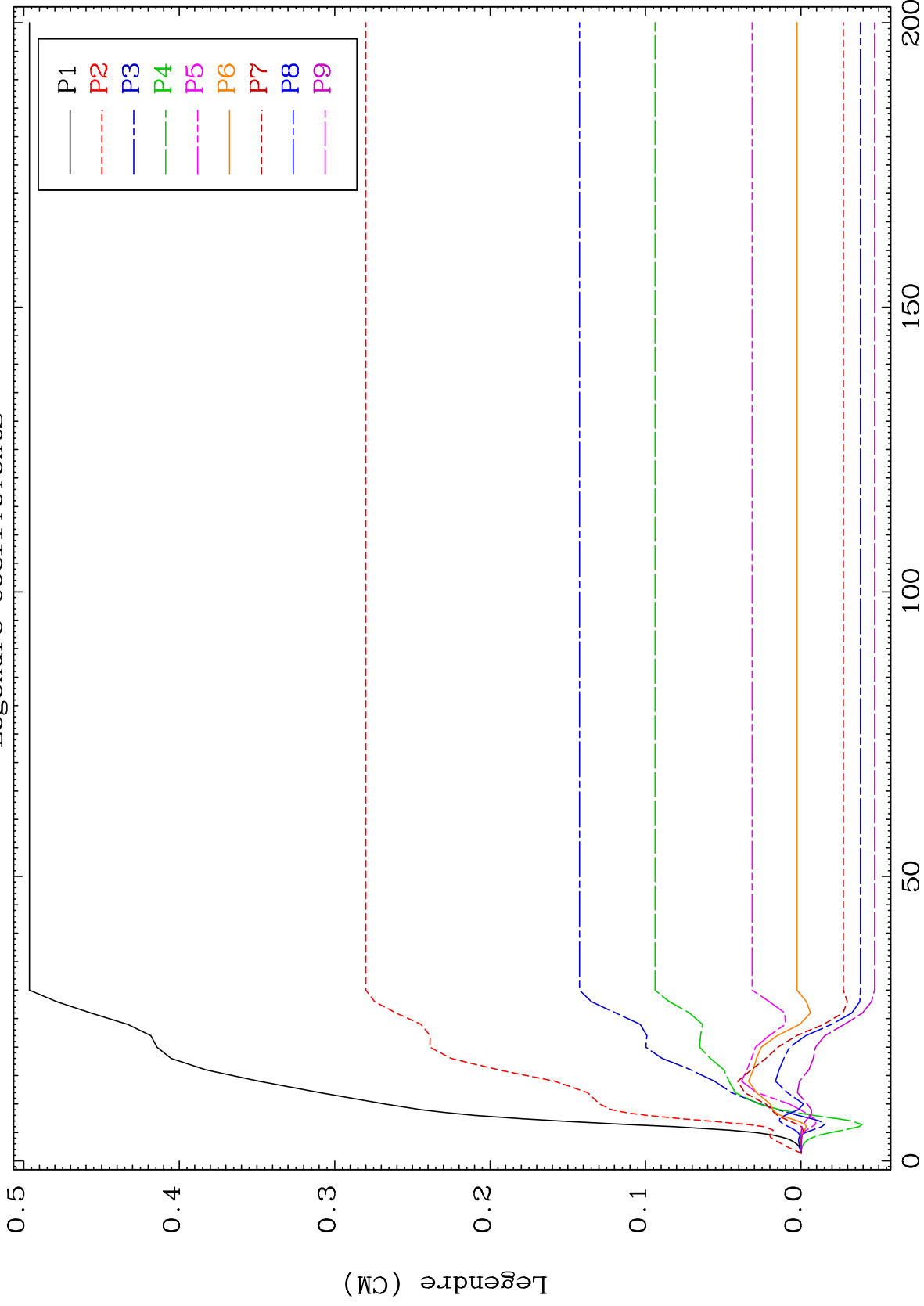


MAT 5319

MT= 73 (n,n') Level

53-I -125

Legendre Coefficients



53-I -125

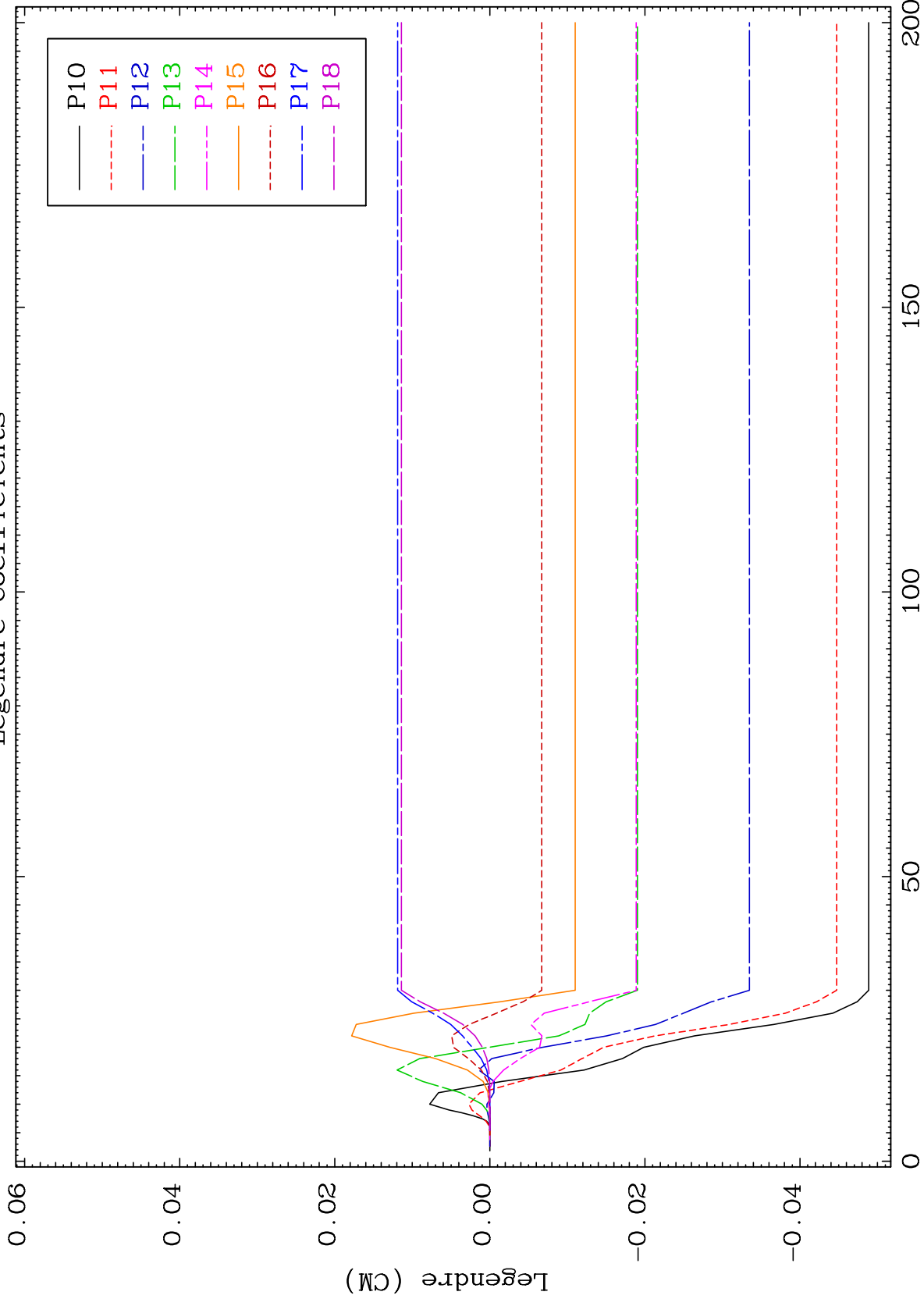
Incident Energy (MeV)

102

MAT 5319

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

53-I -125



103

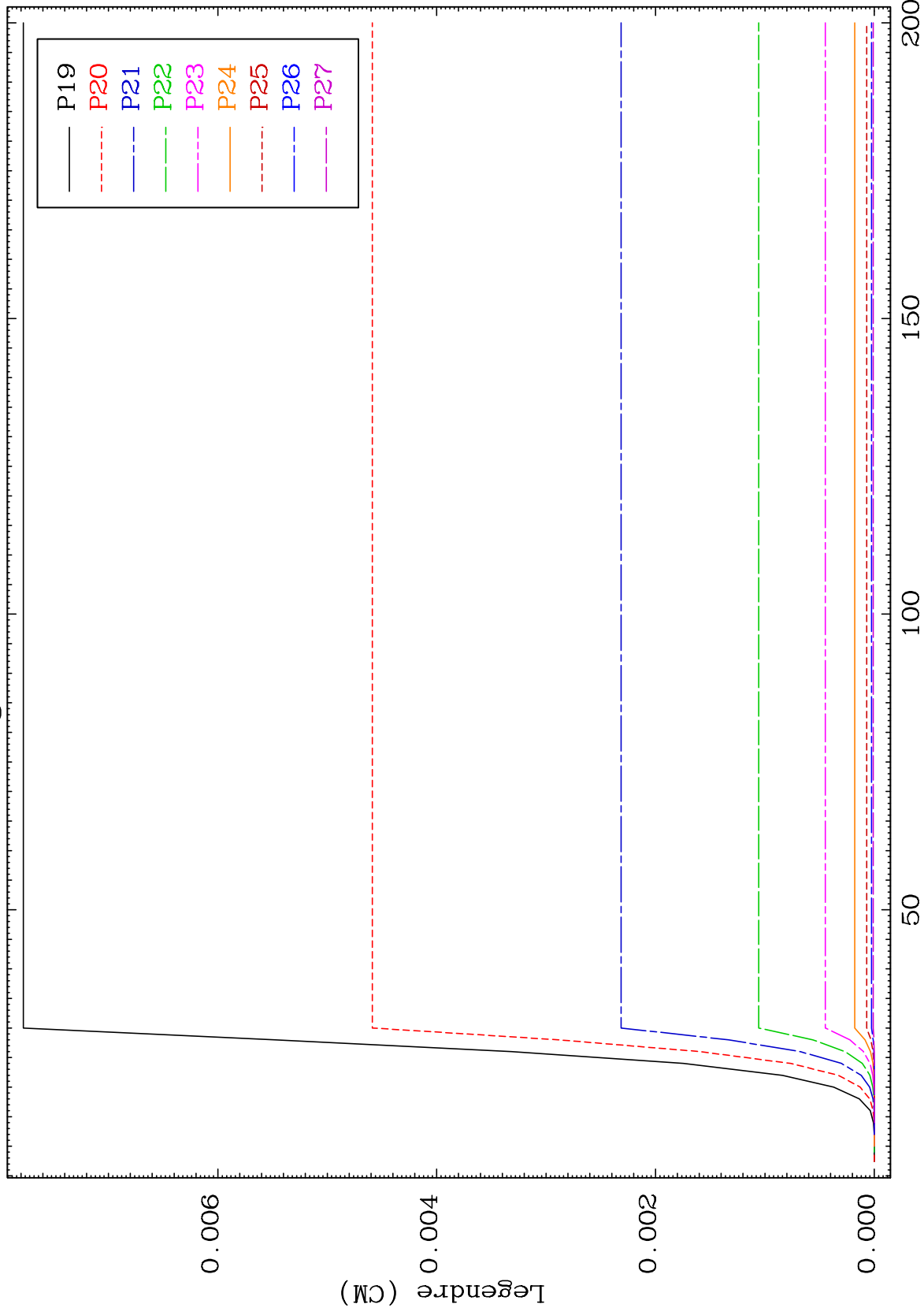
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



104

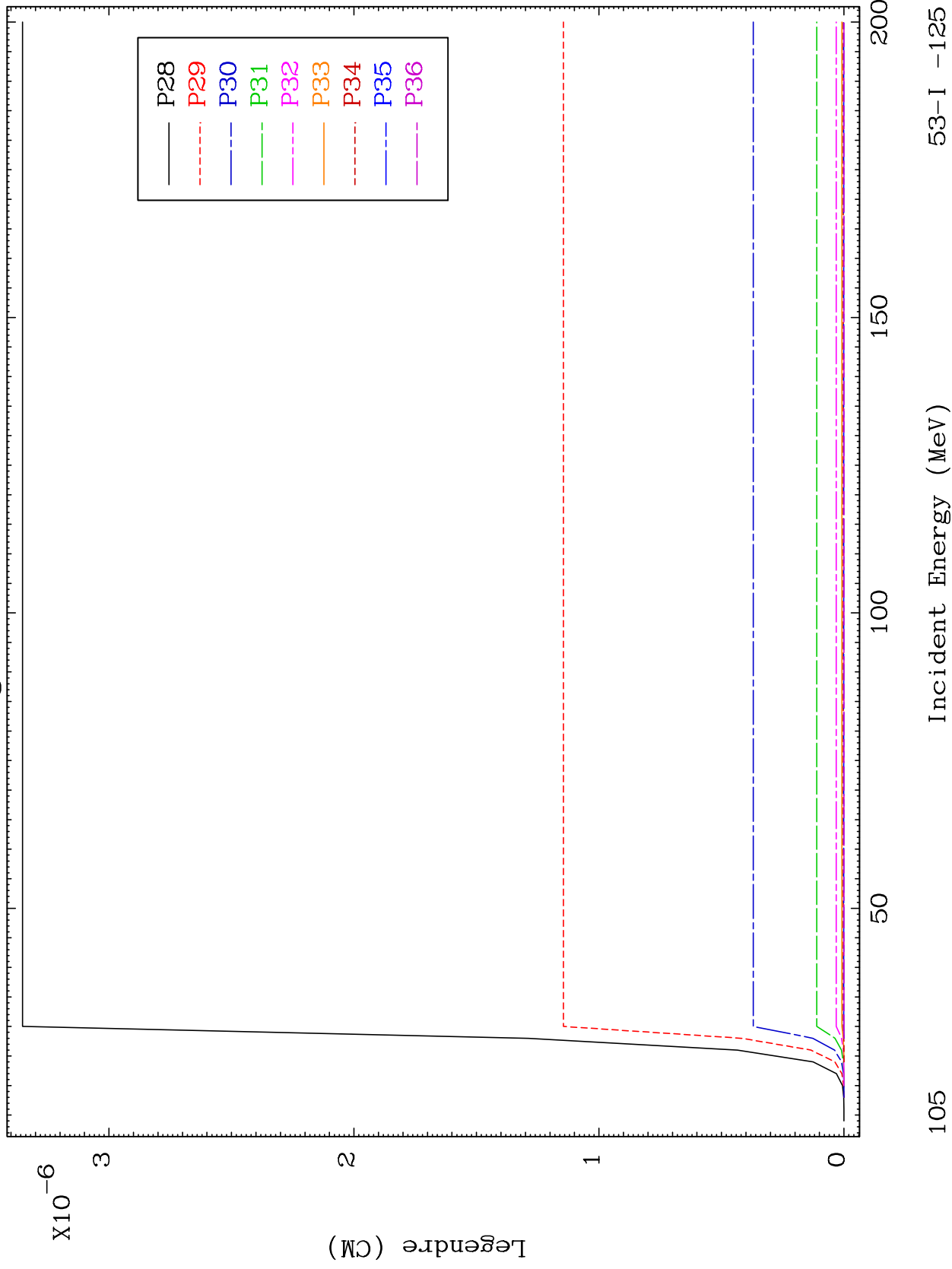
Incident Energy (MeV)

53-I -125

MAT 5319

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

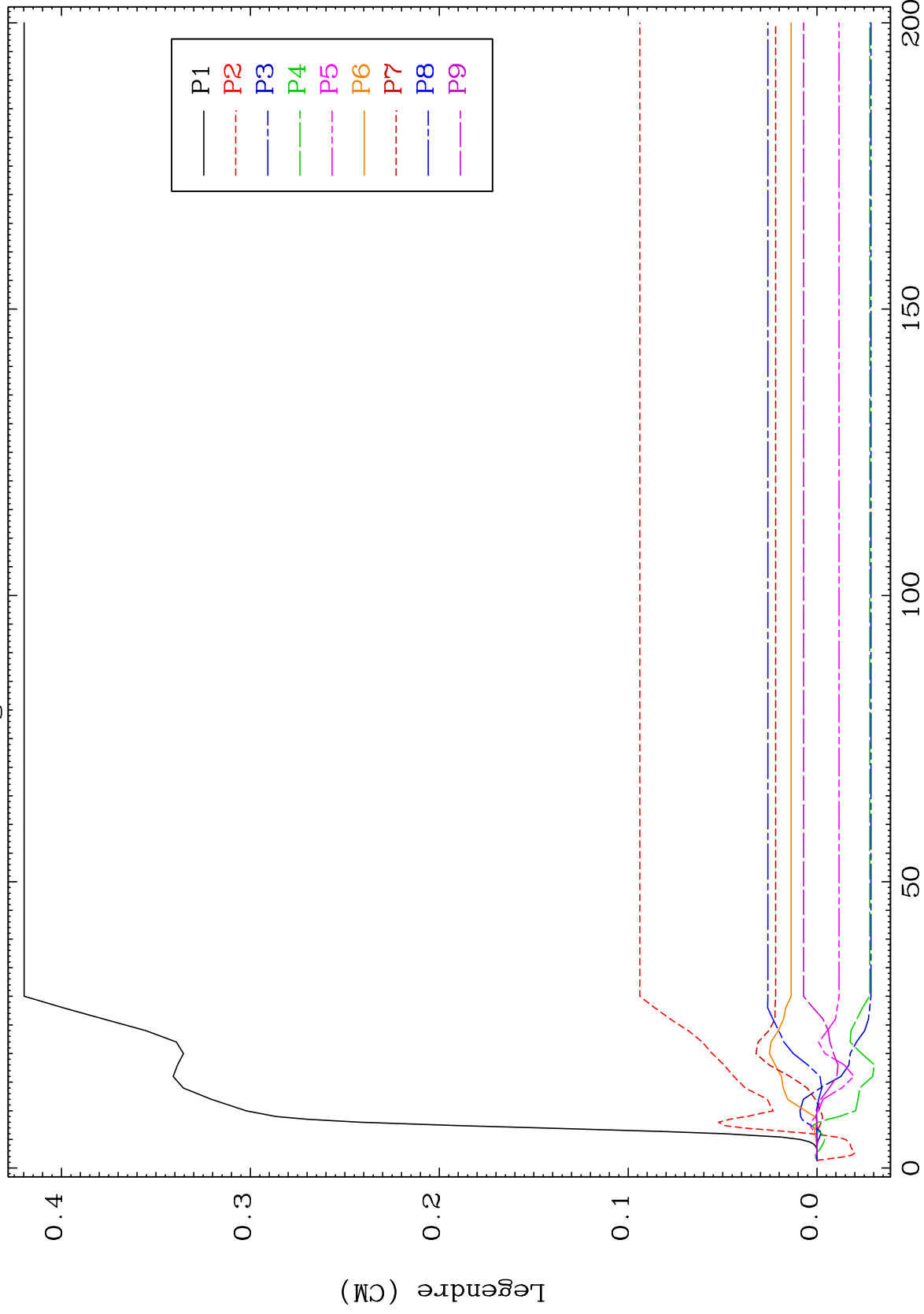
53-I -125



MAT 5319

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

53-I -125



106

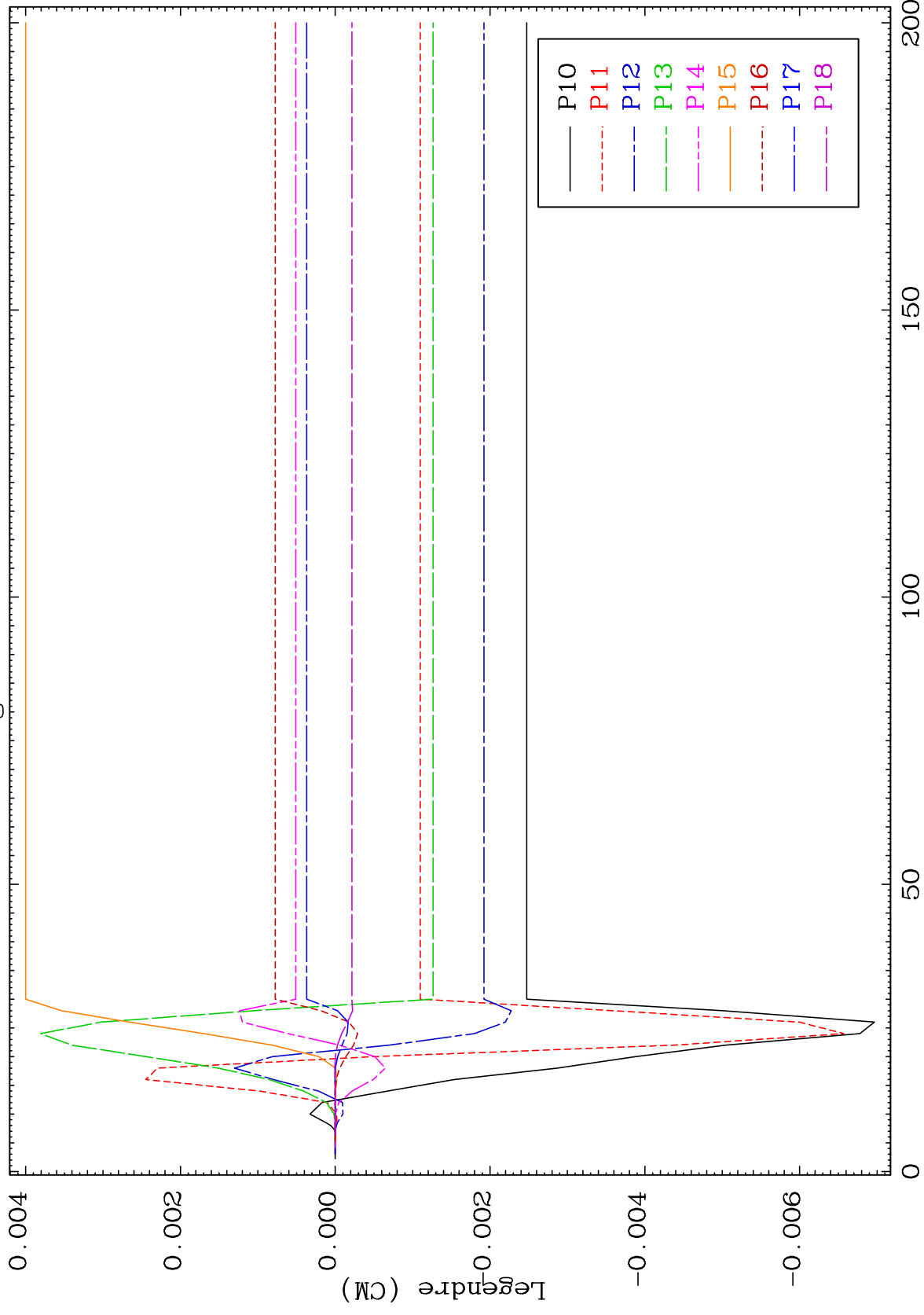
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



107

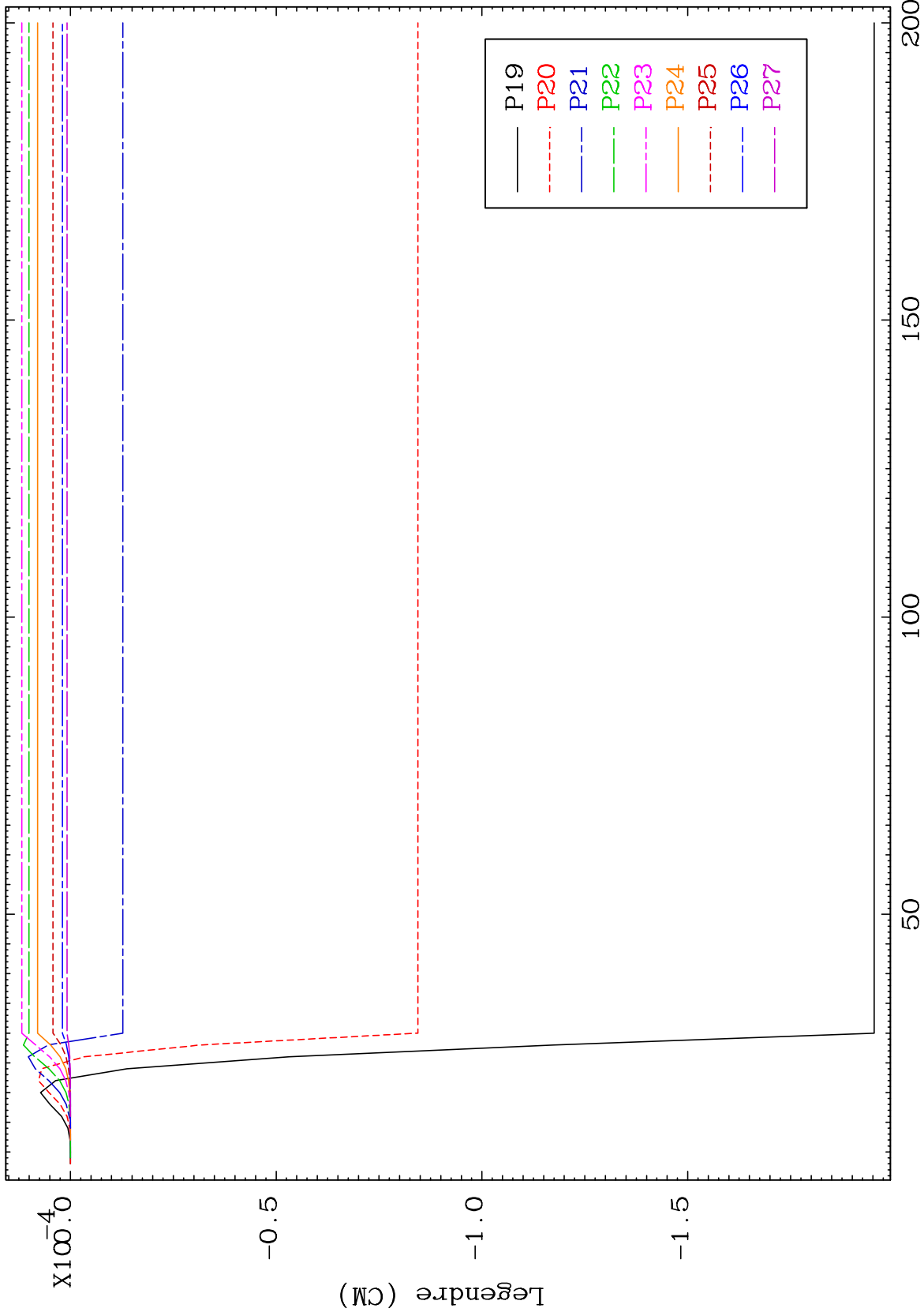
53-I -125

MAT 5319

MT= 74 (n,n') Level

53-I -125

Legendre Coefficients



108

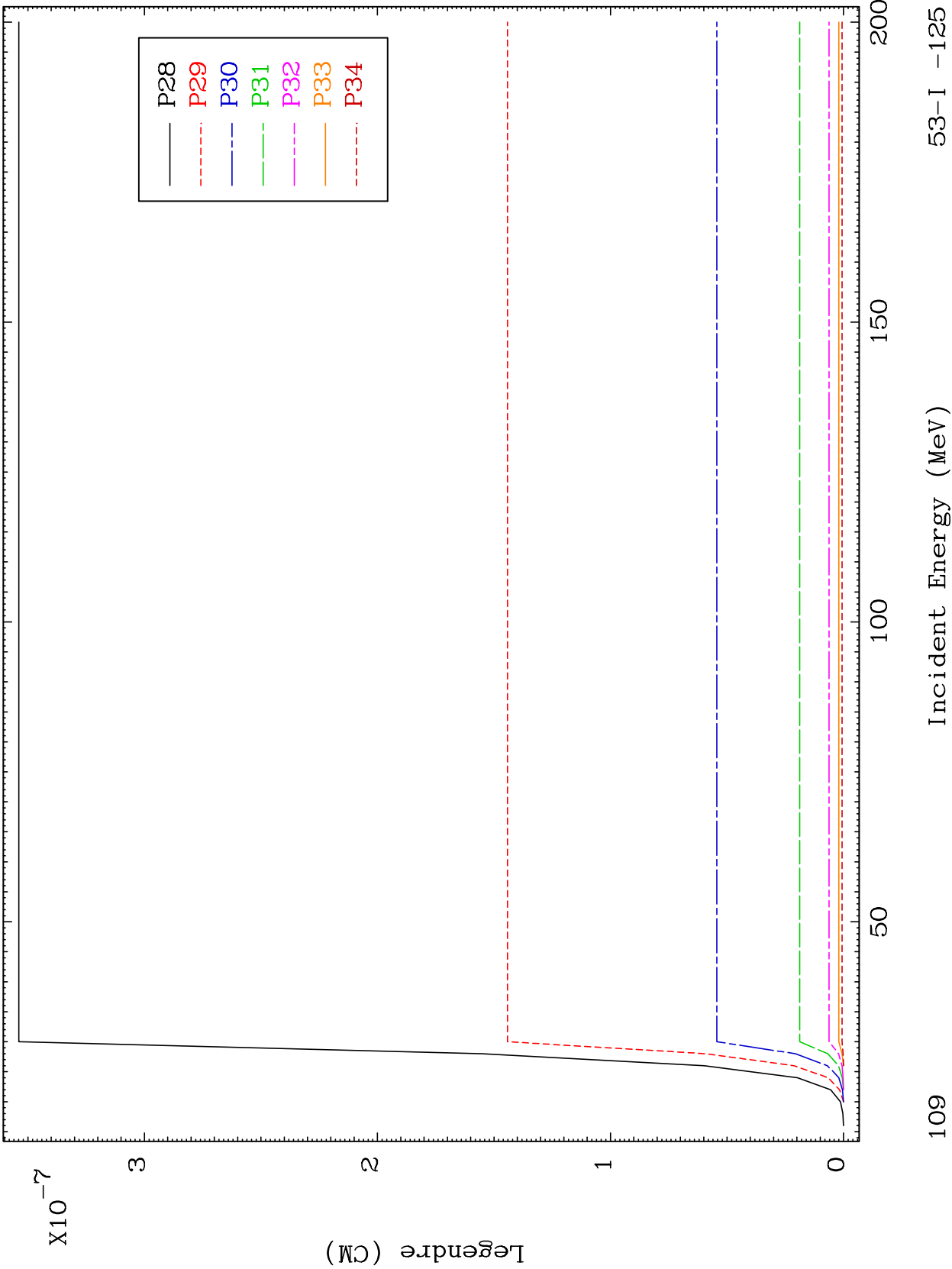
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



109

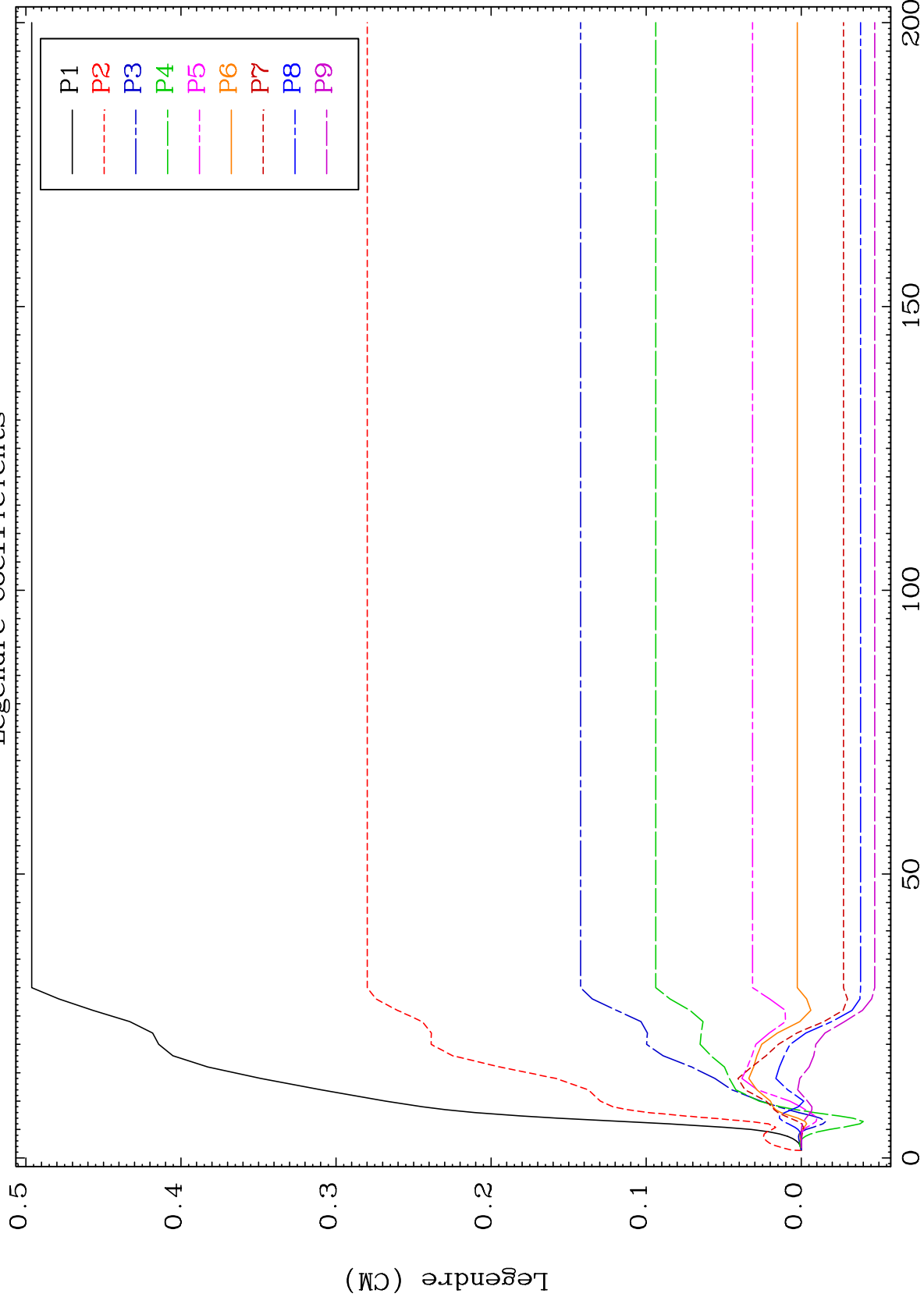
53-I -125

MAT 5319

MT= 75 (n,n') Level

53-I -125

Legendre Coefficients



0

0.0

0.1

0.2

0.3

0.4

0.5

50

100

150

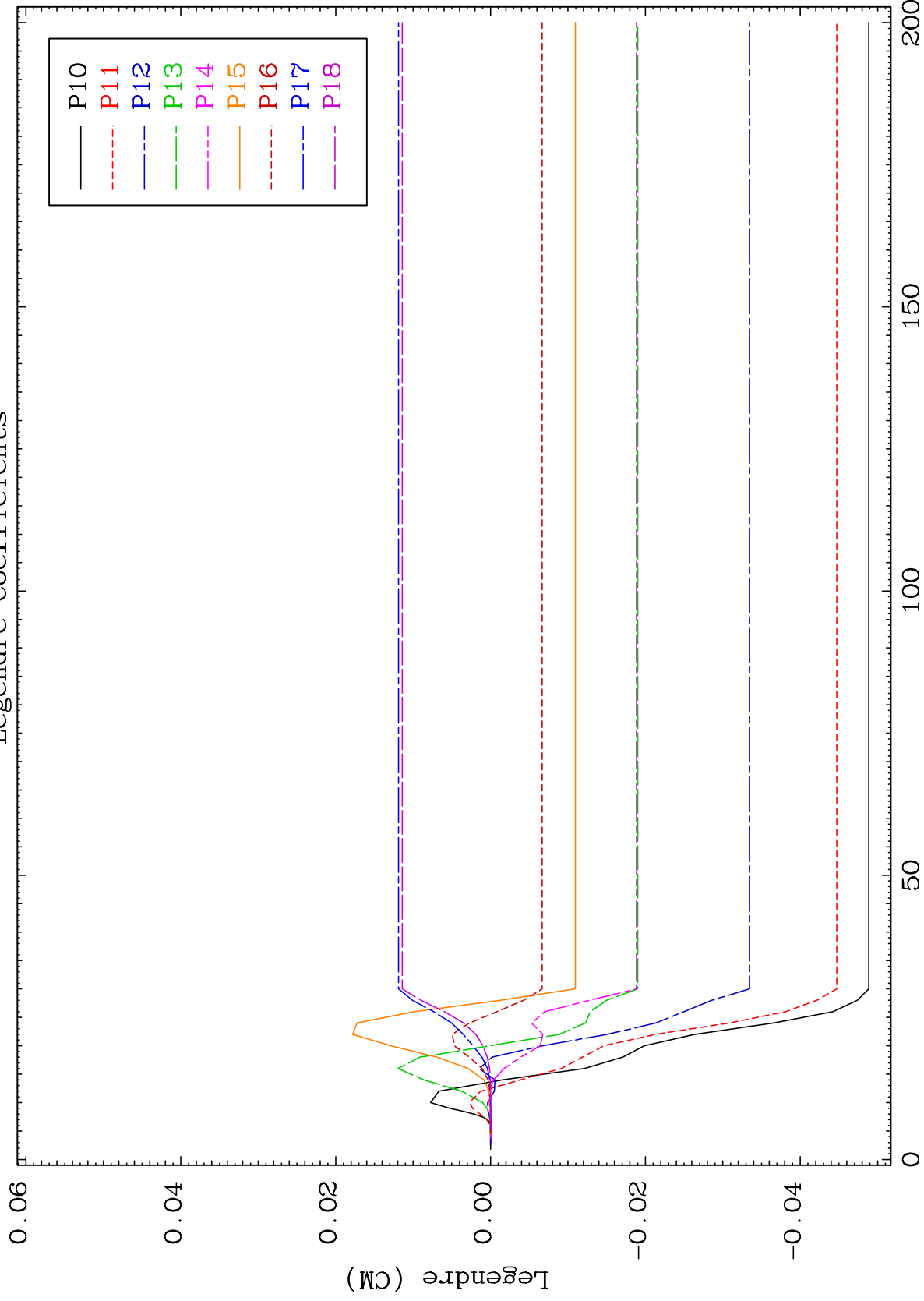
200

53-I -125

MAT 5319

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

53-I -125



111

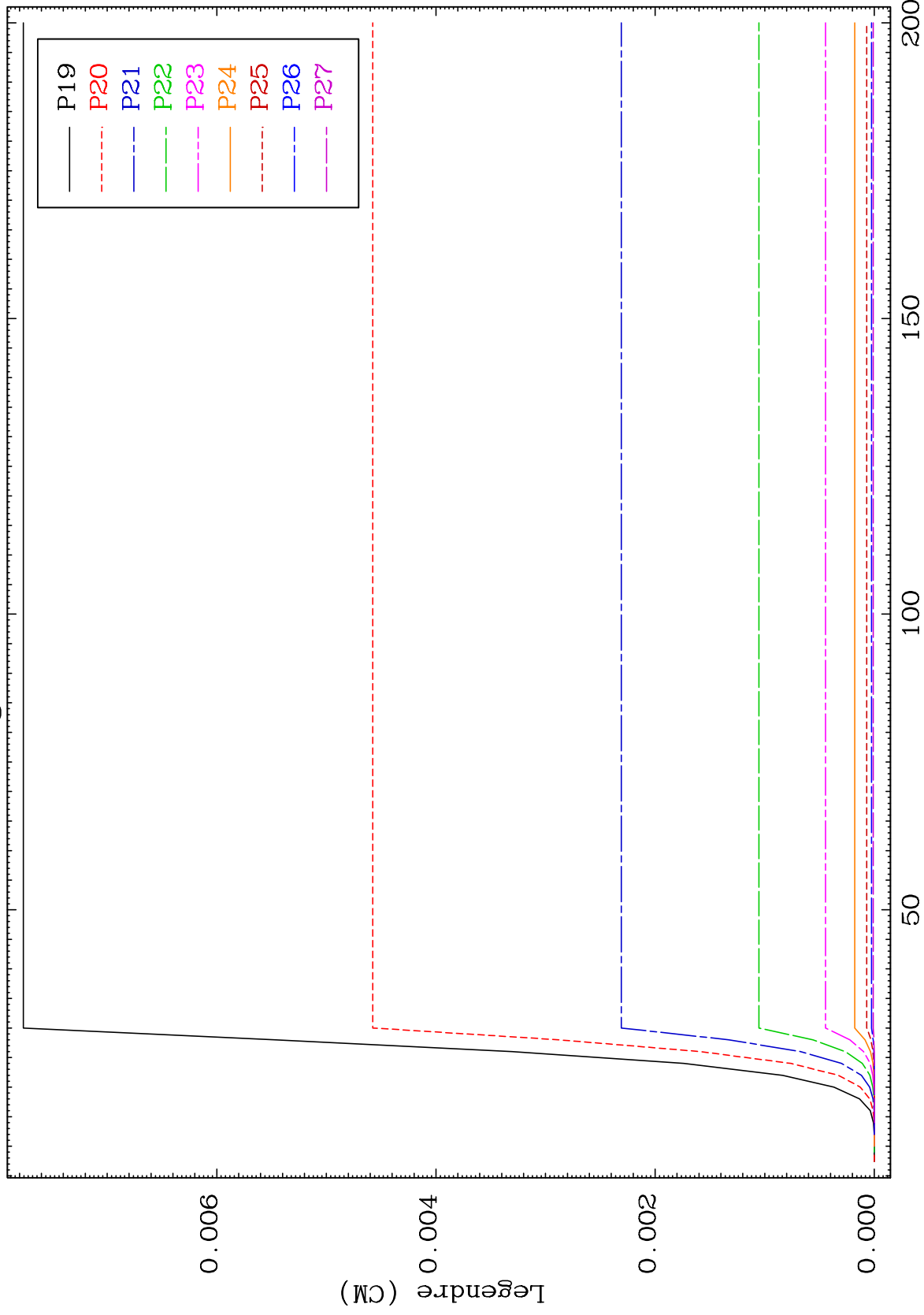
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



112

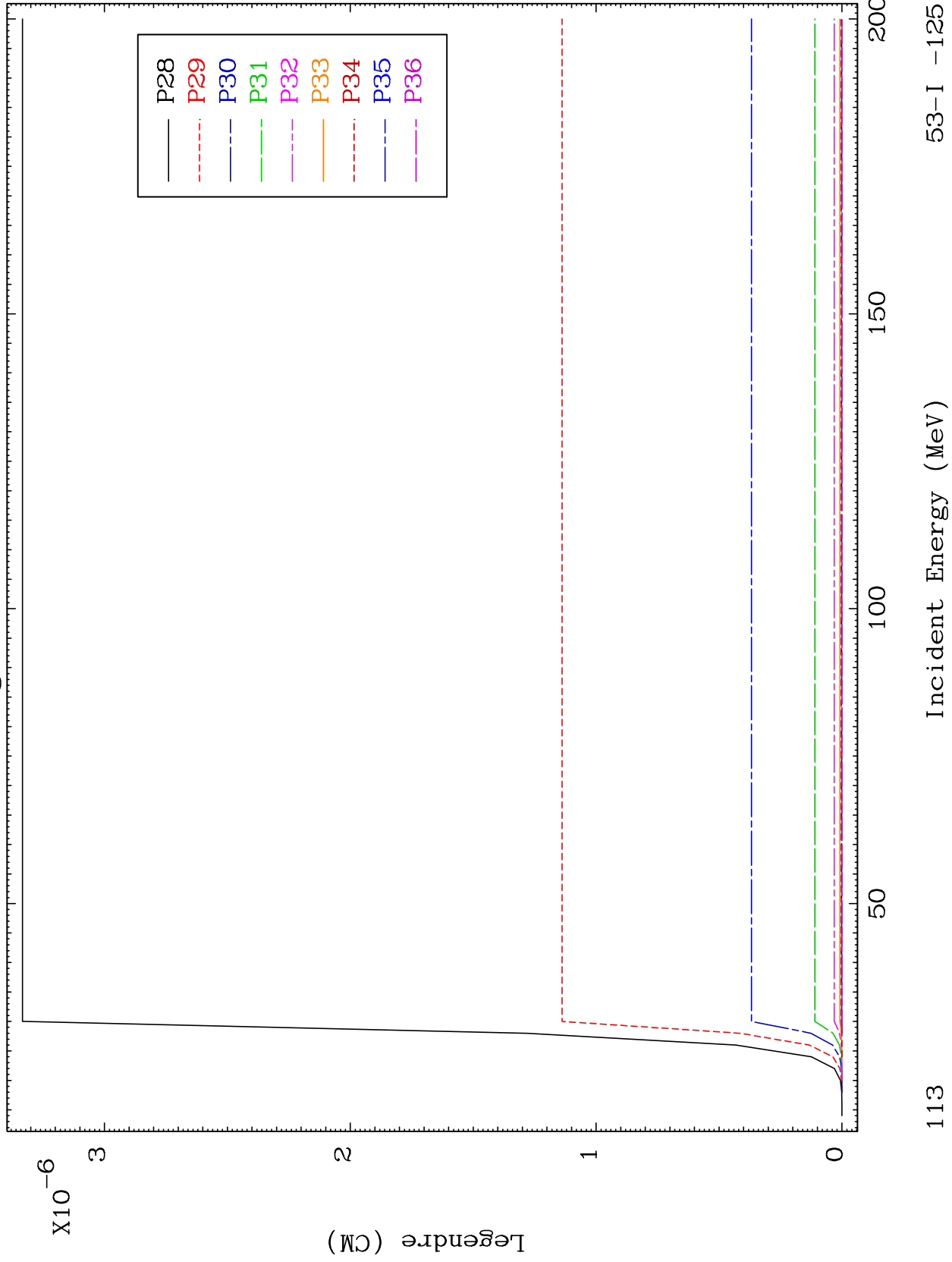
Incident Energy (MeV)

53-I -125

MAT 5319

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

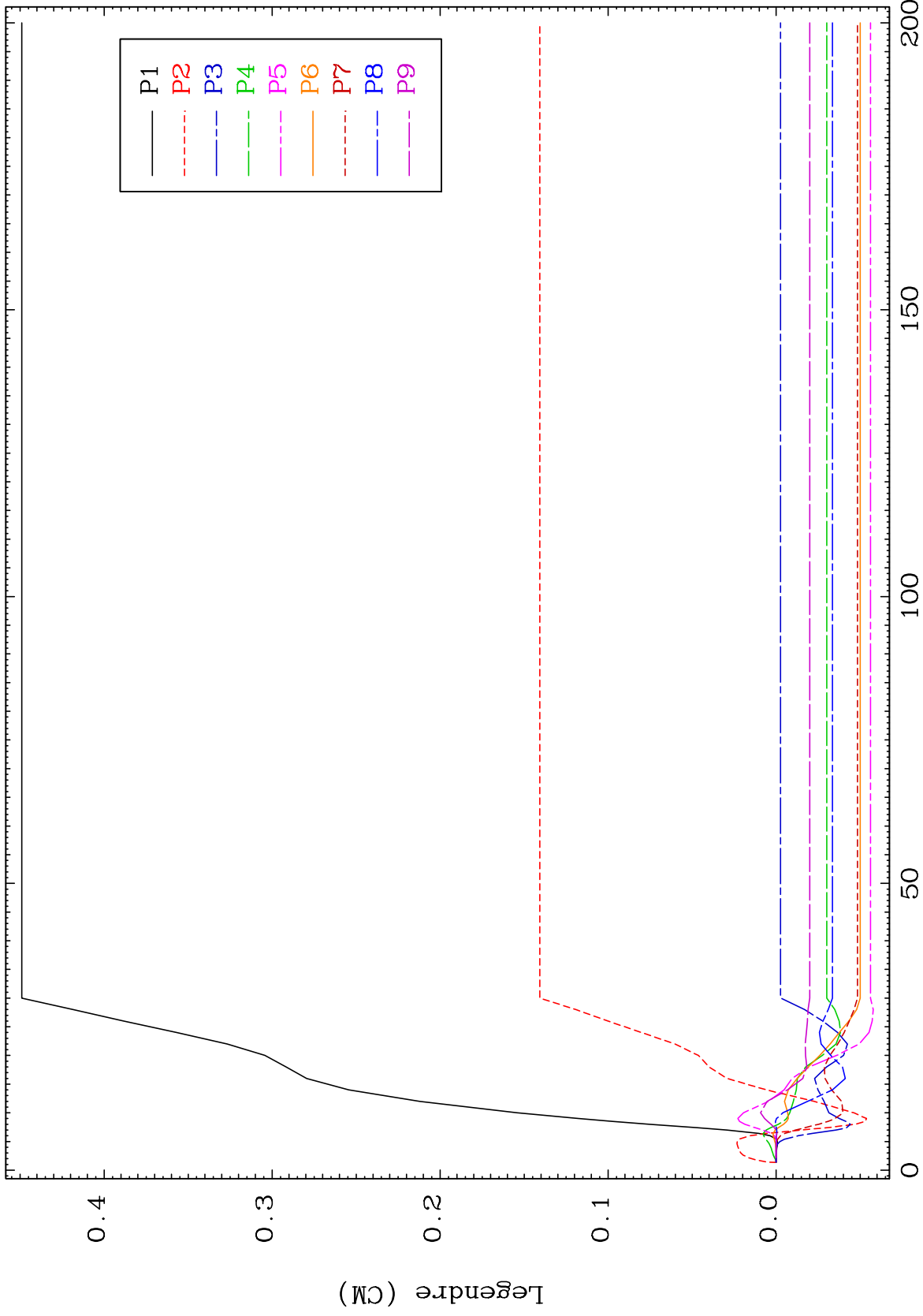
53-I -125



MAT 5319

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

53-I -125



114

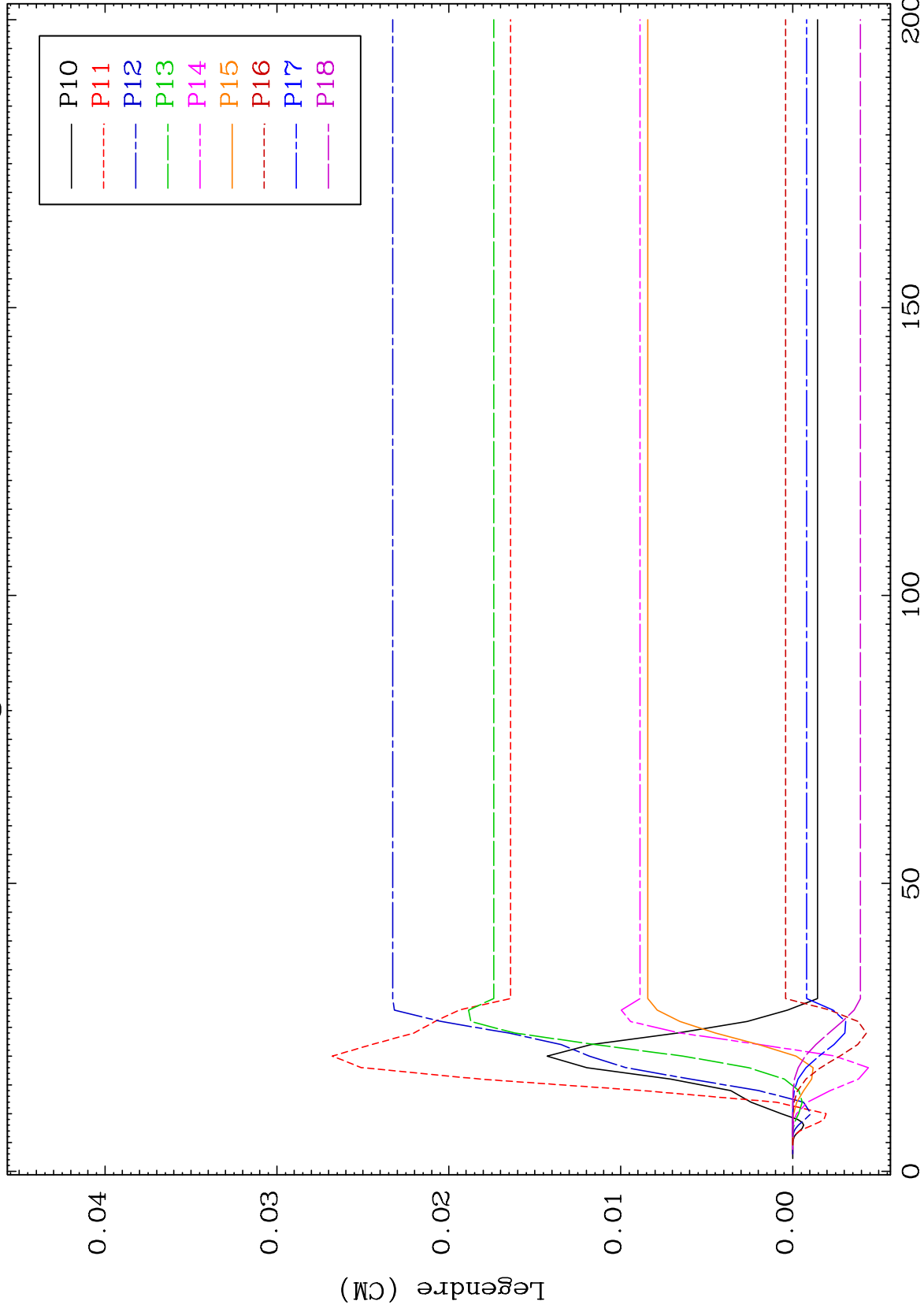
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



115

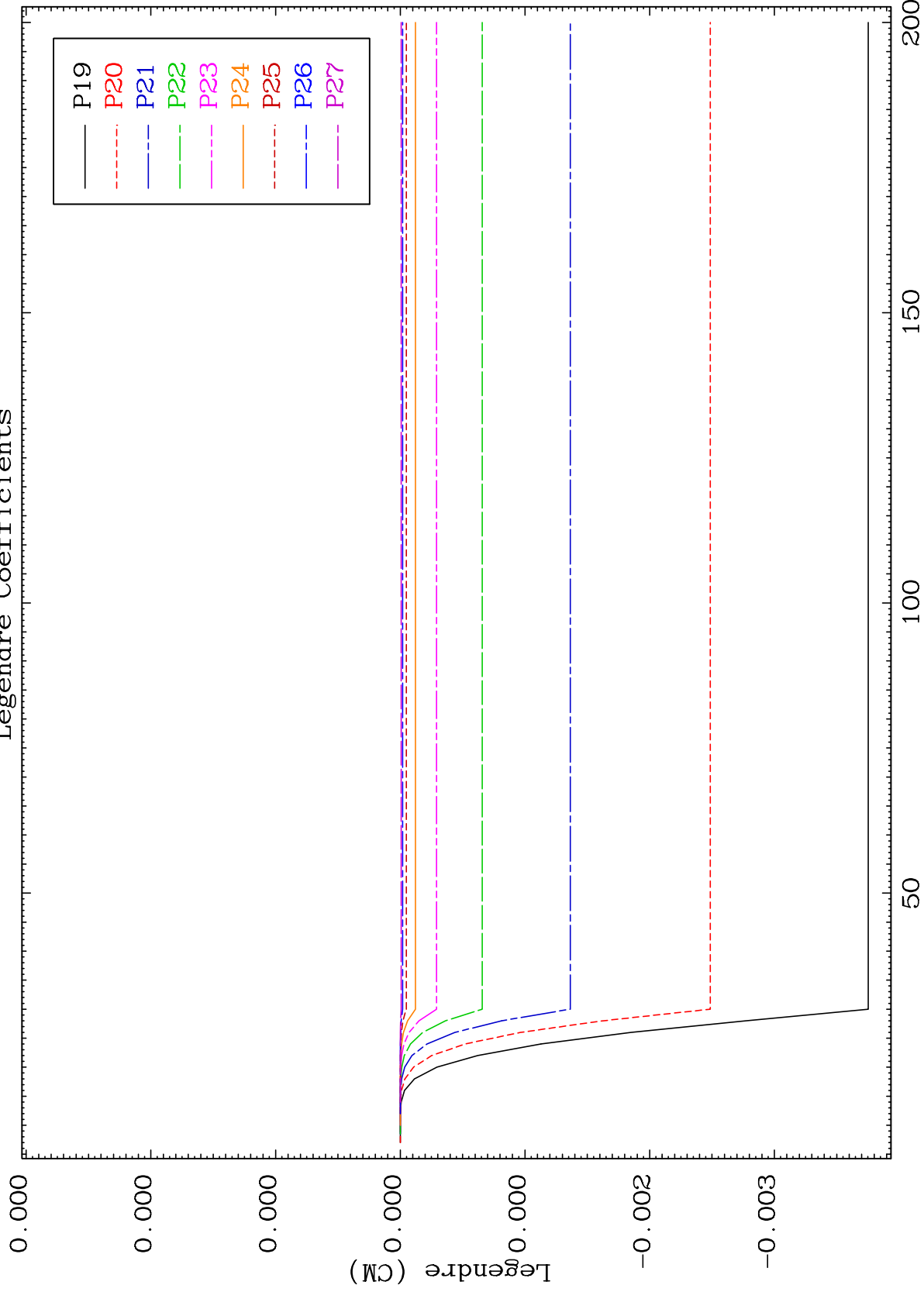
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



116

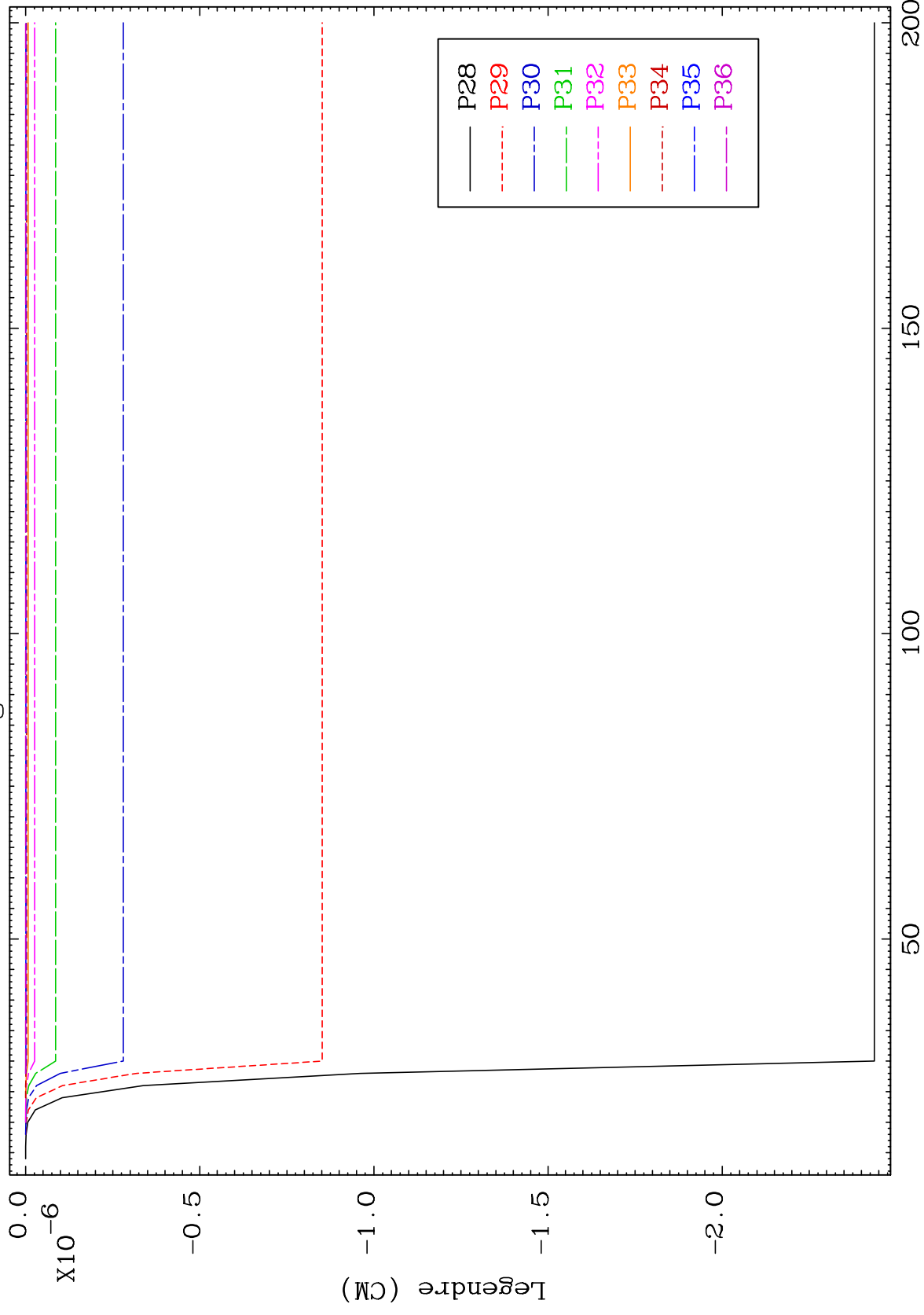
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



117

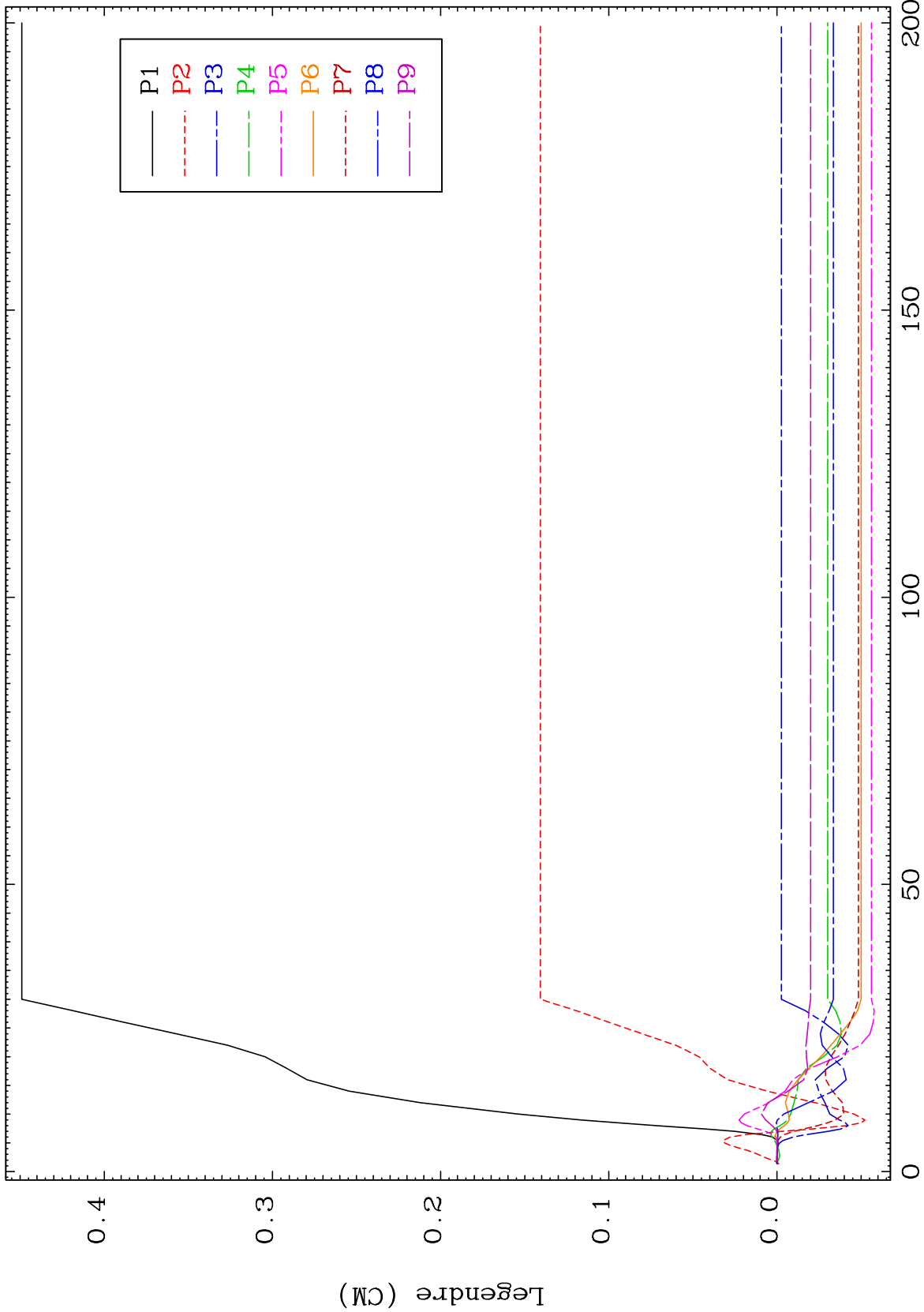
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



118

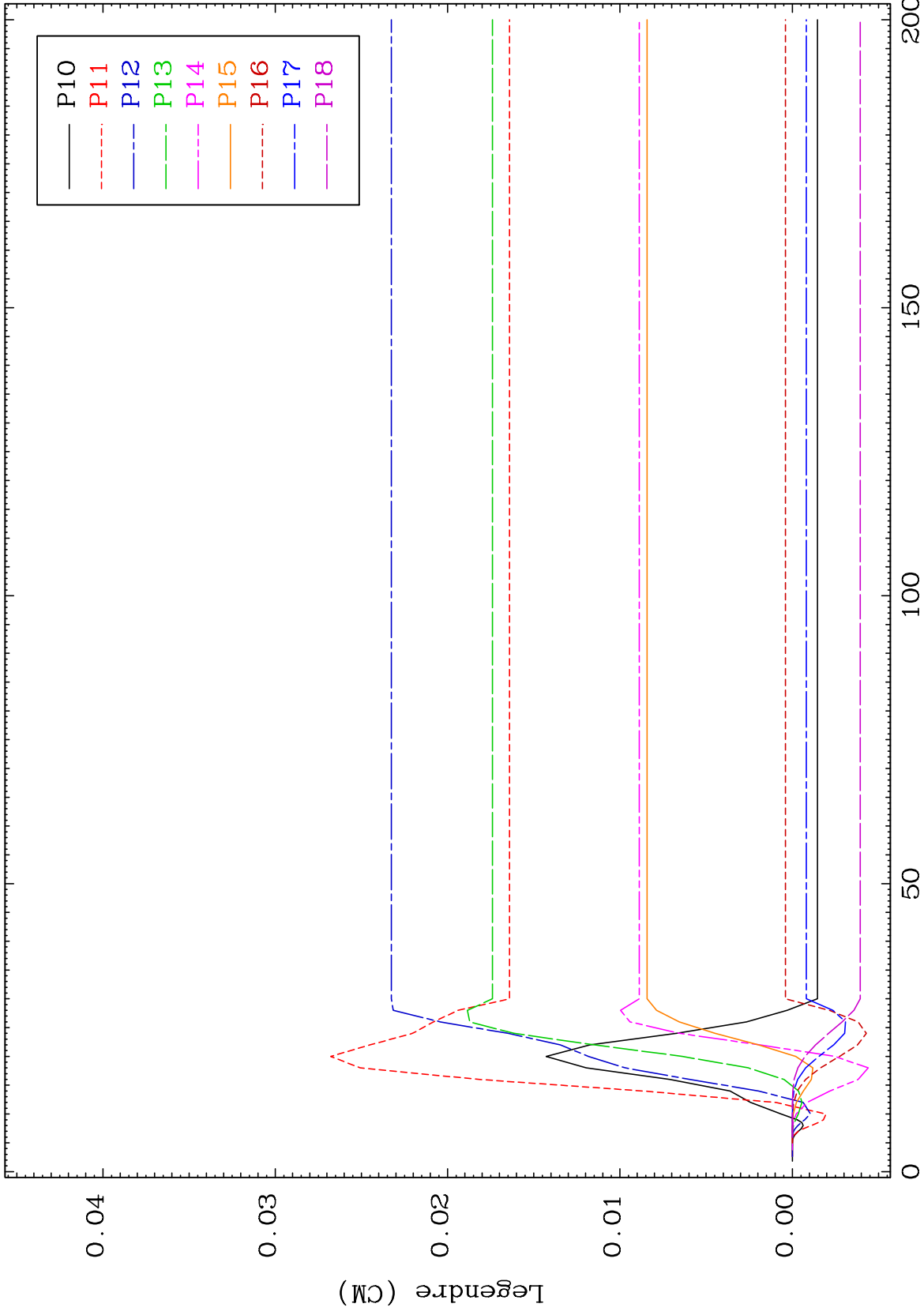
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



119

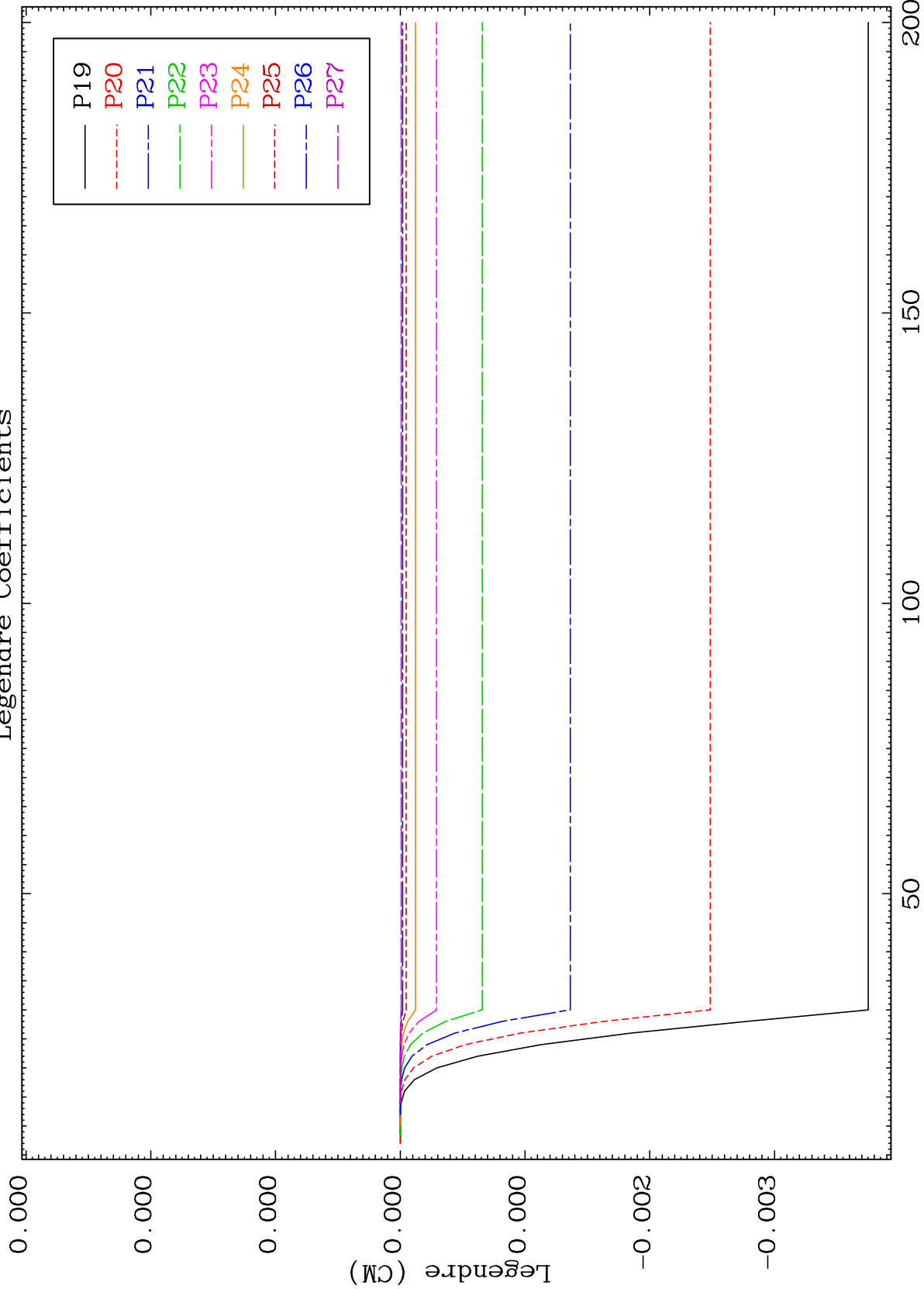
Incident Energy (MeV)

53-I -125

MAT 5319

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

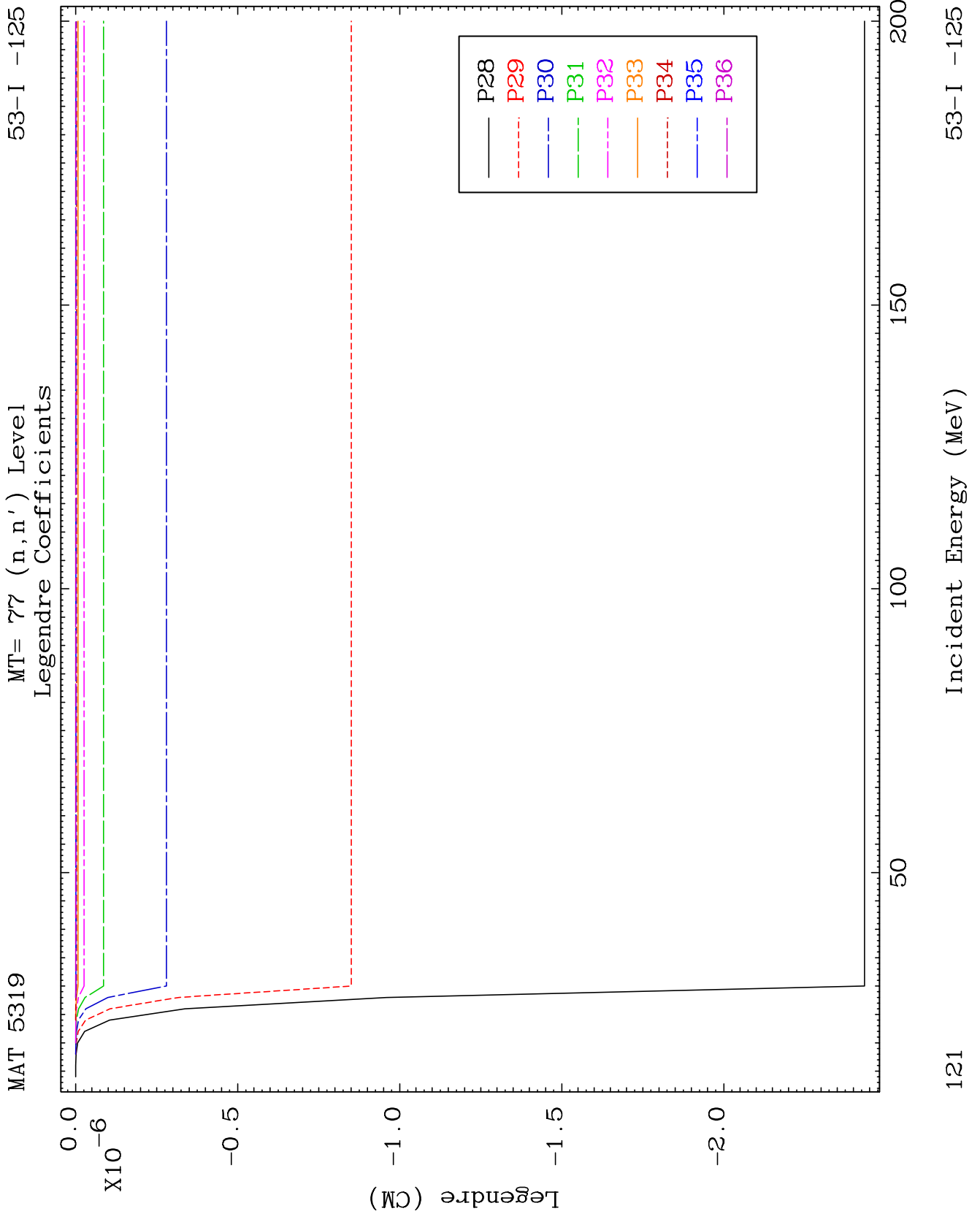
53-I -125



120

Incident Energy (MeV)

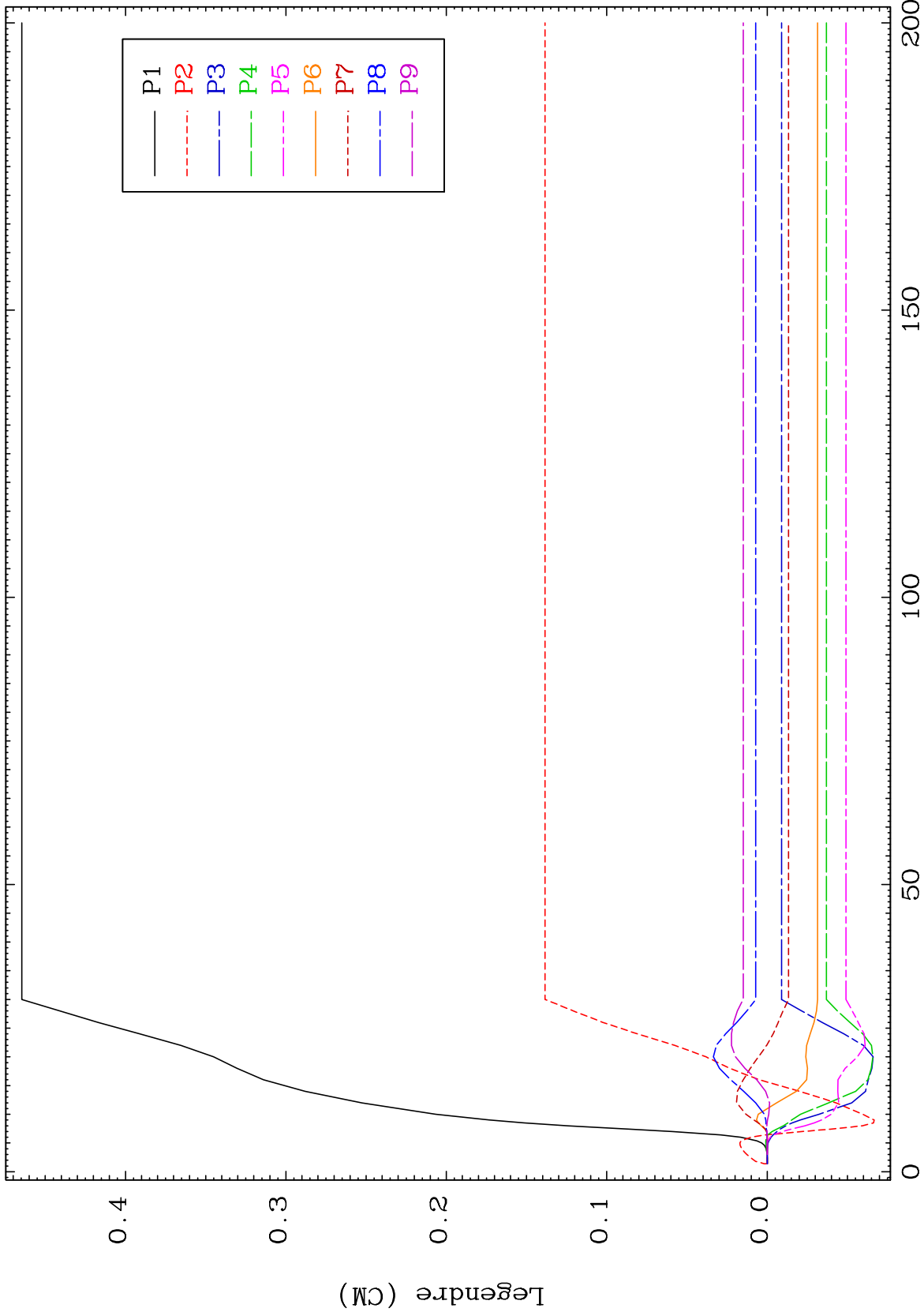
53-I -125



MAT 5319

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

53-I -125



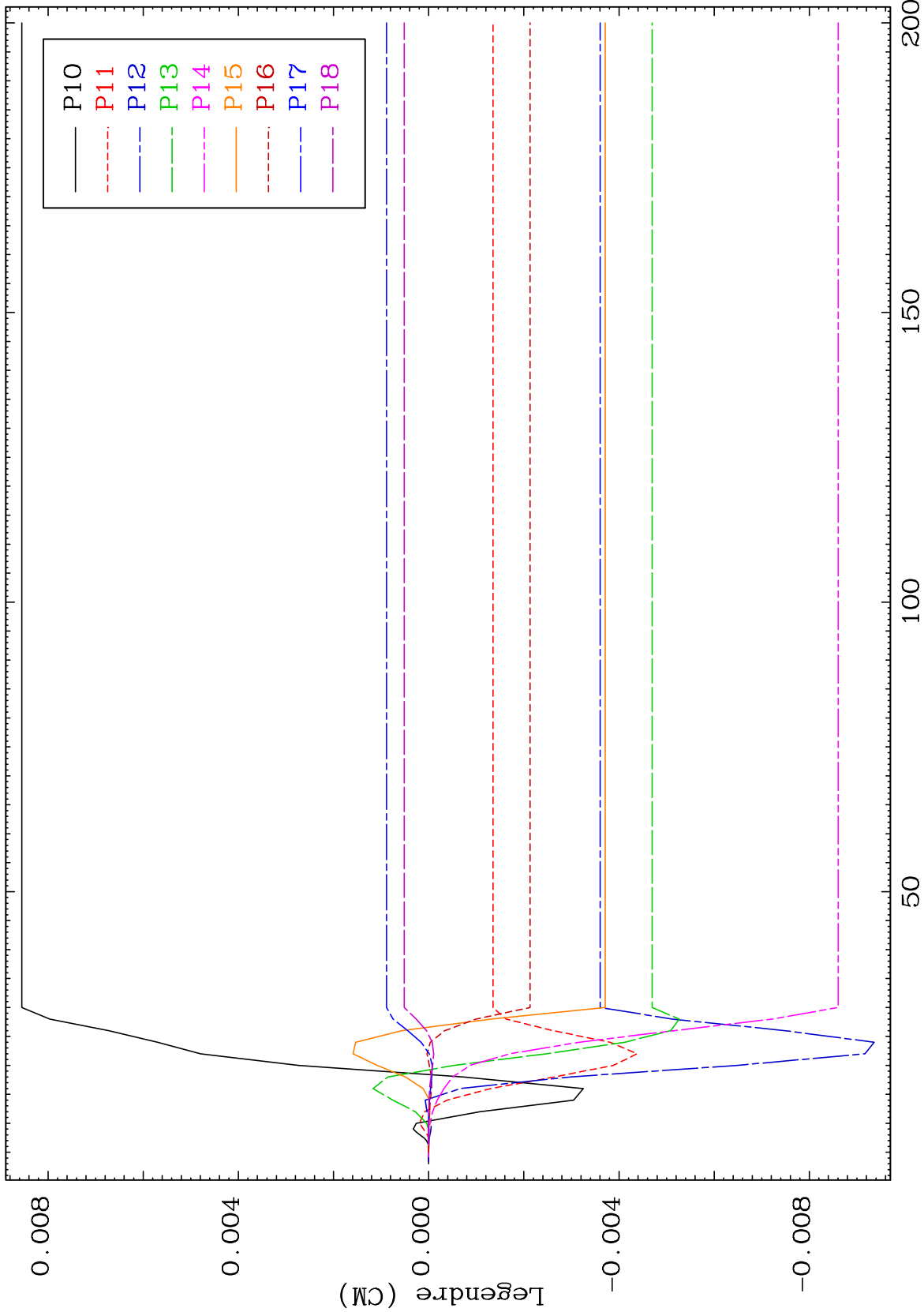
122

53-I -125

MAT 5319

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

53-I -125



123

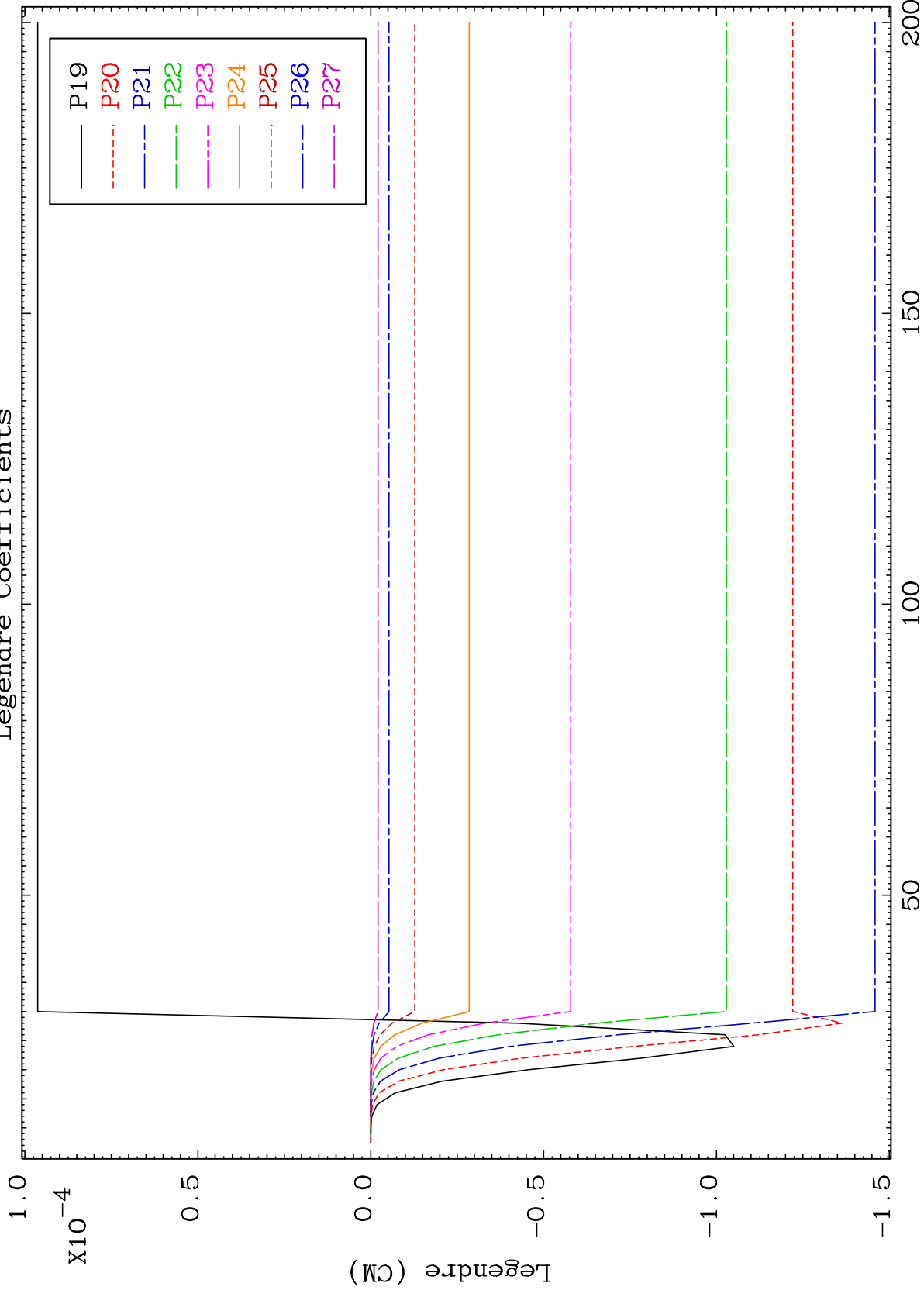
Incident Energy (MeV)

53-I -125

MAT 5319

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

53-I -125



124

Incident Energy (MeV)

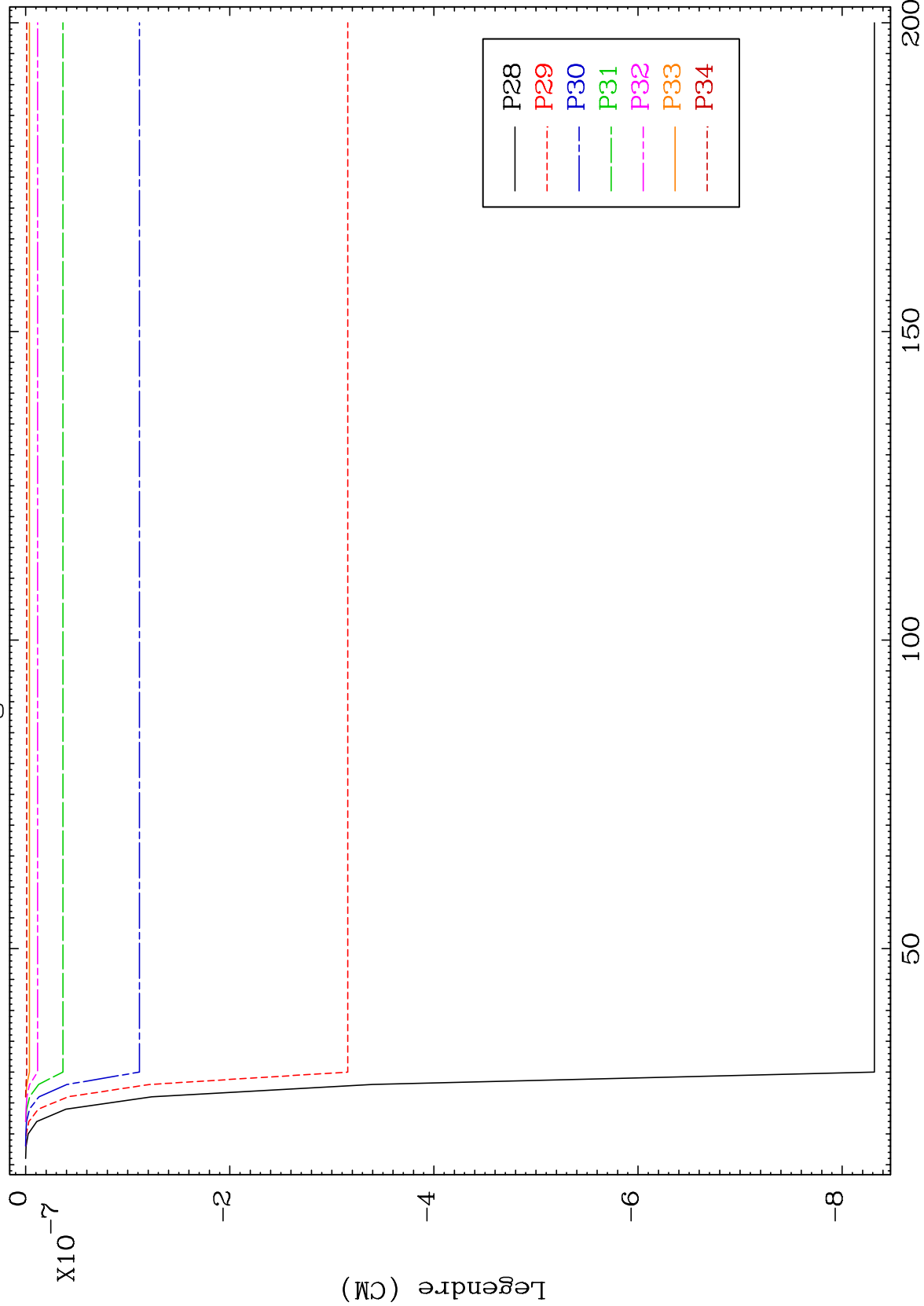
53-I -125

MAT 5319

MT= 78 (n,n') Level

53-I -125

Legendre Coefficients



53-I -125

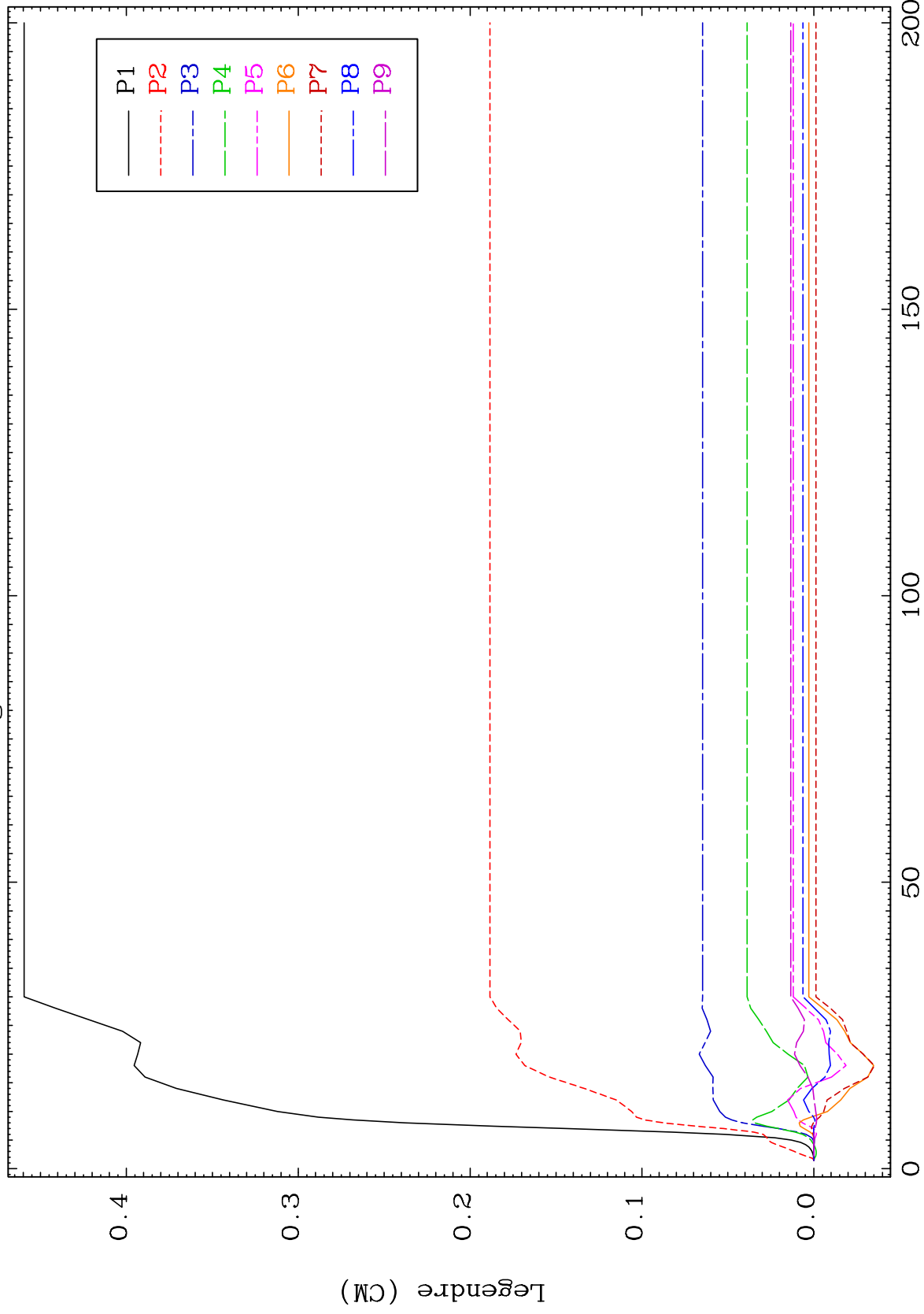
Incident Energy (MeV)

125

MAT 5319

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

53-I -125



126

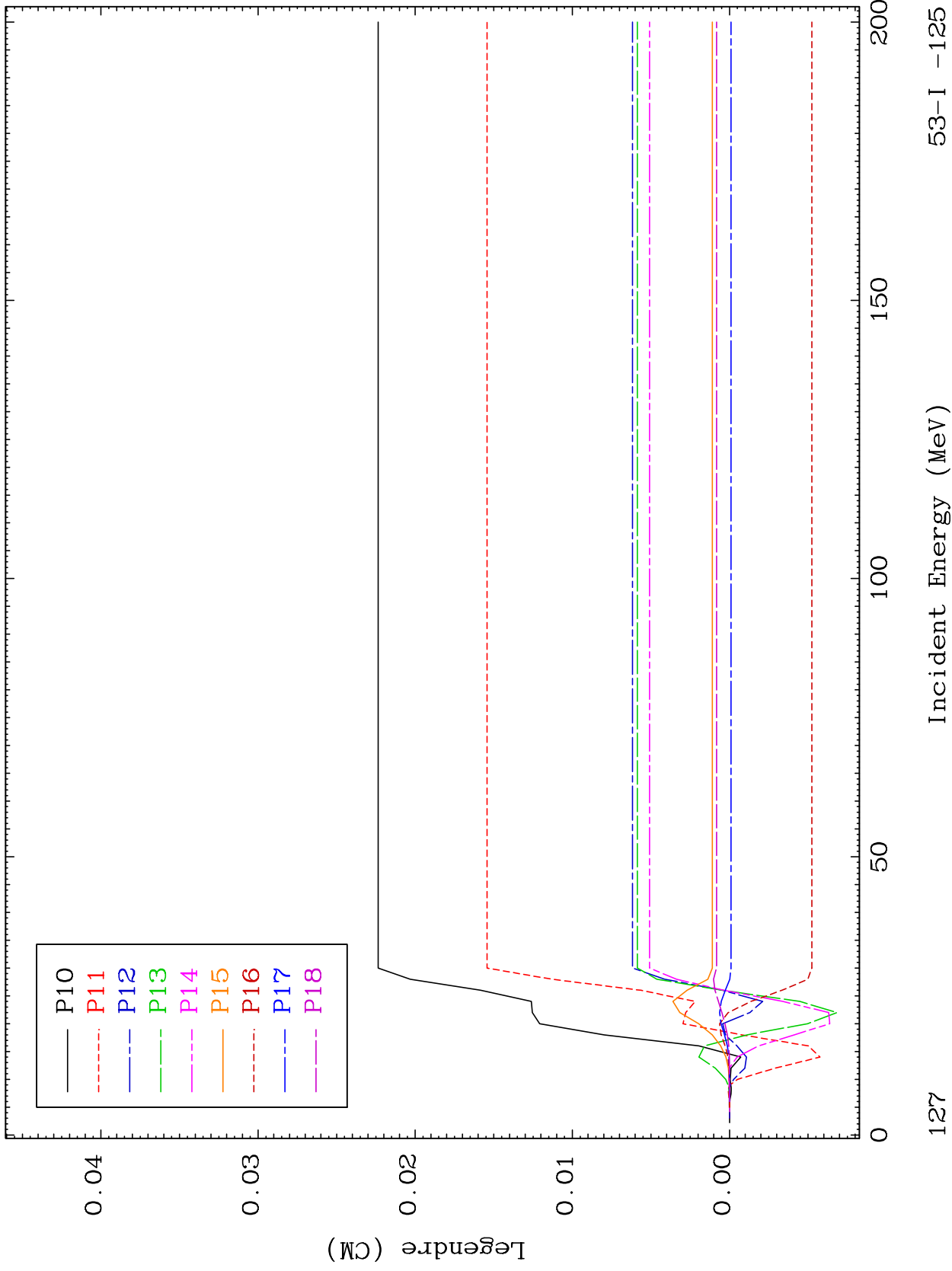
Incident Energy (MeV)

53-I -125

MAT 5319

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

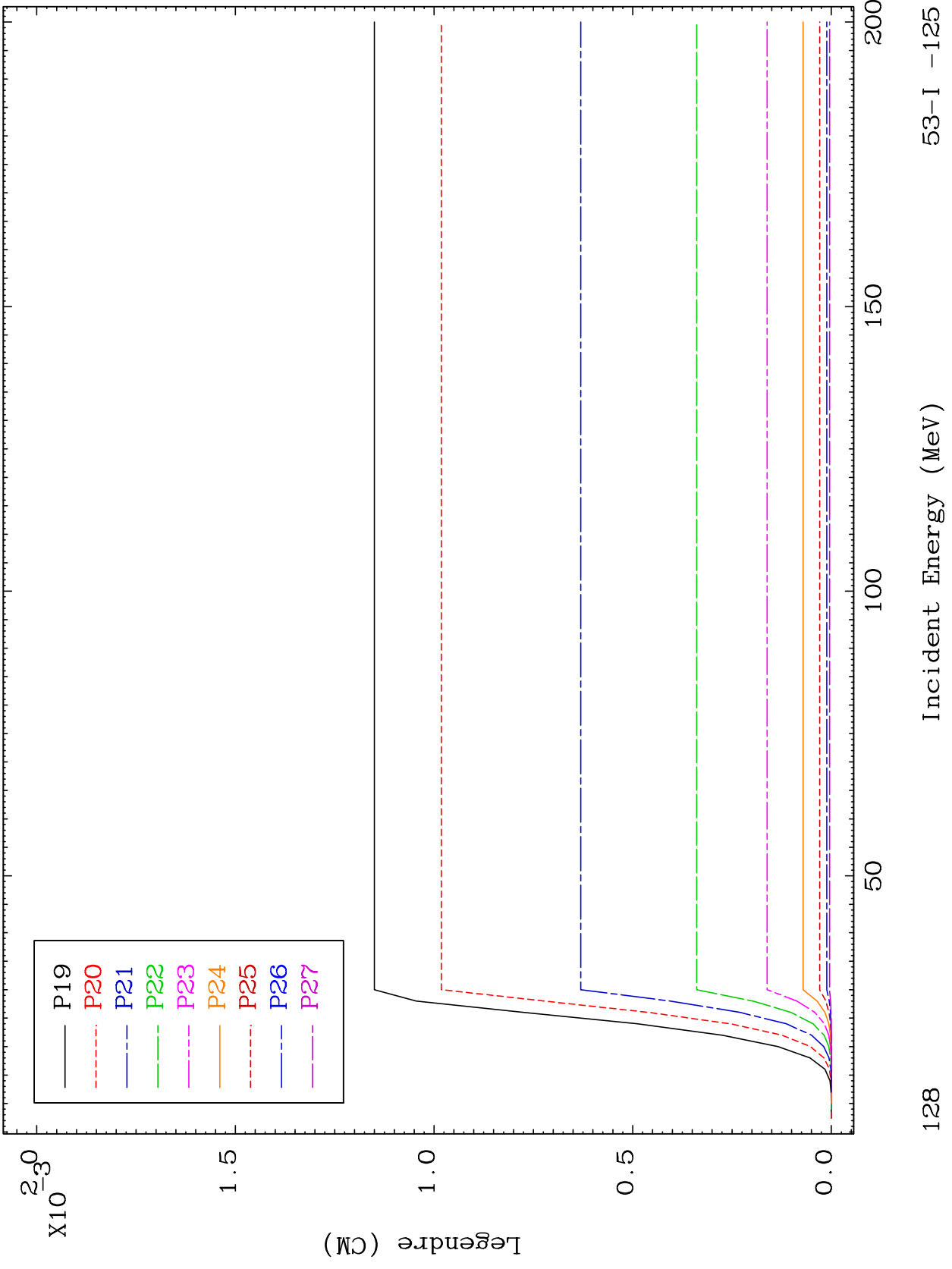
53-I -125



127

Incident Energy (MeV)

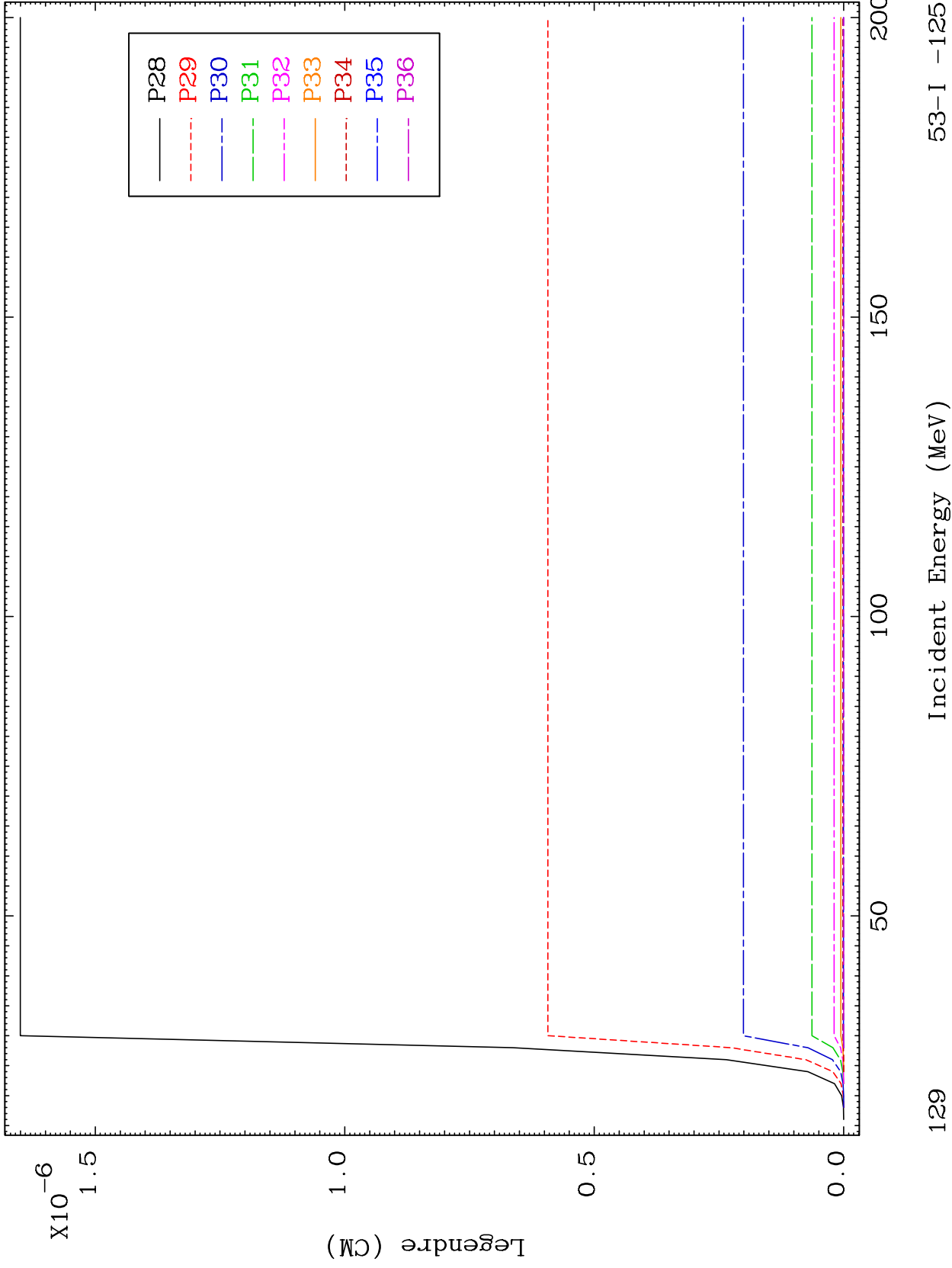
53-I -125



MAT 5319

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

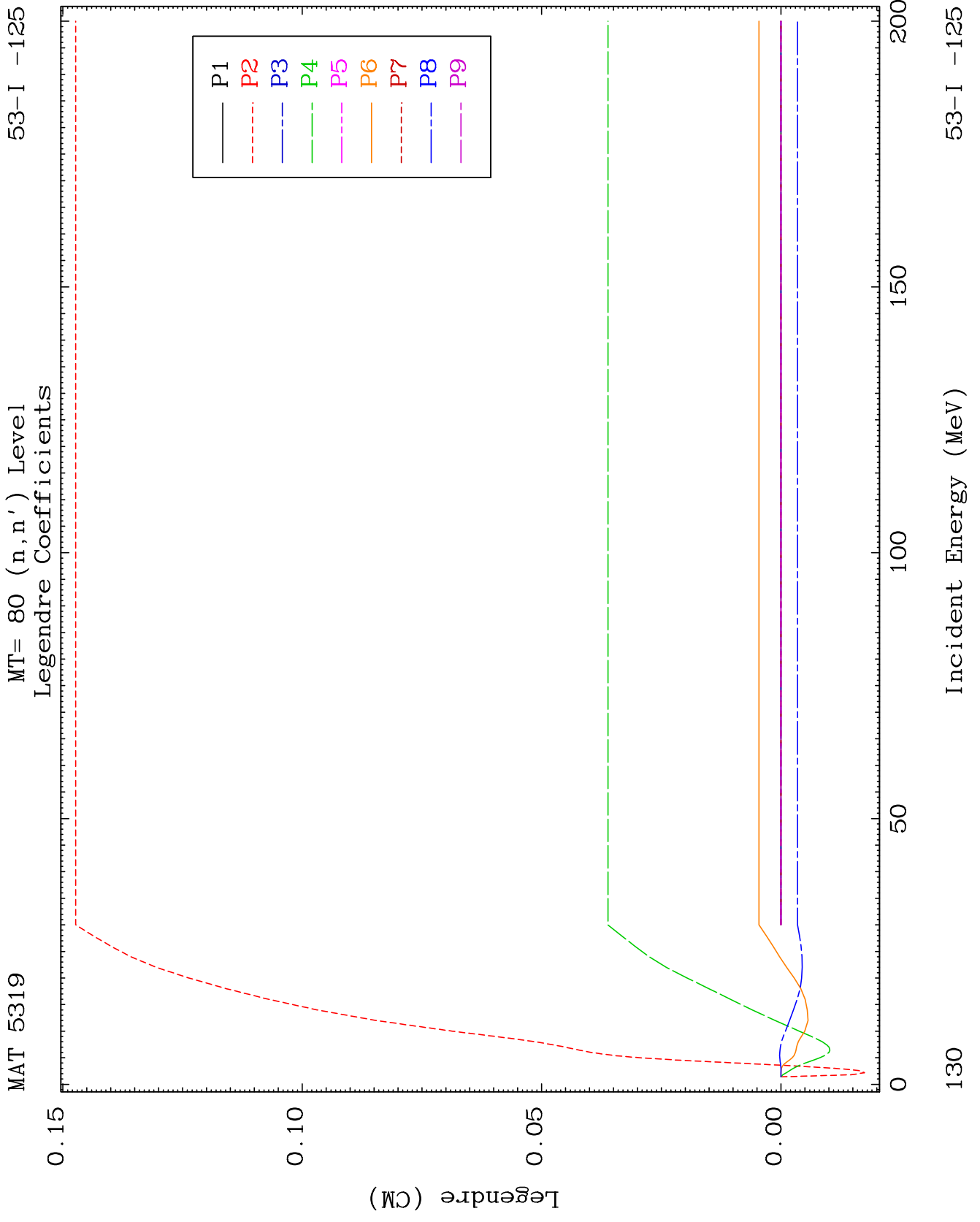
53-I -125



129

Incident Energy (MeV)

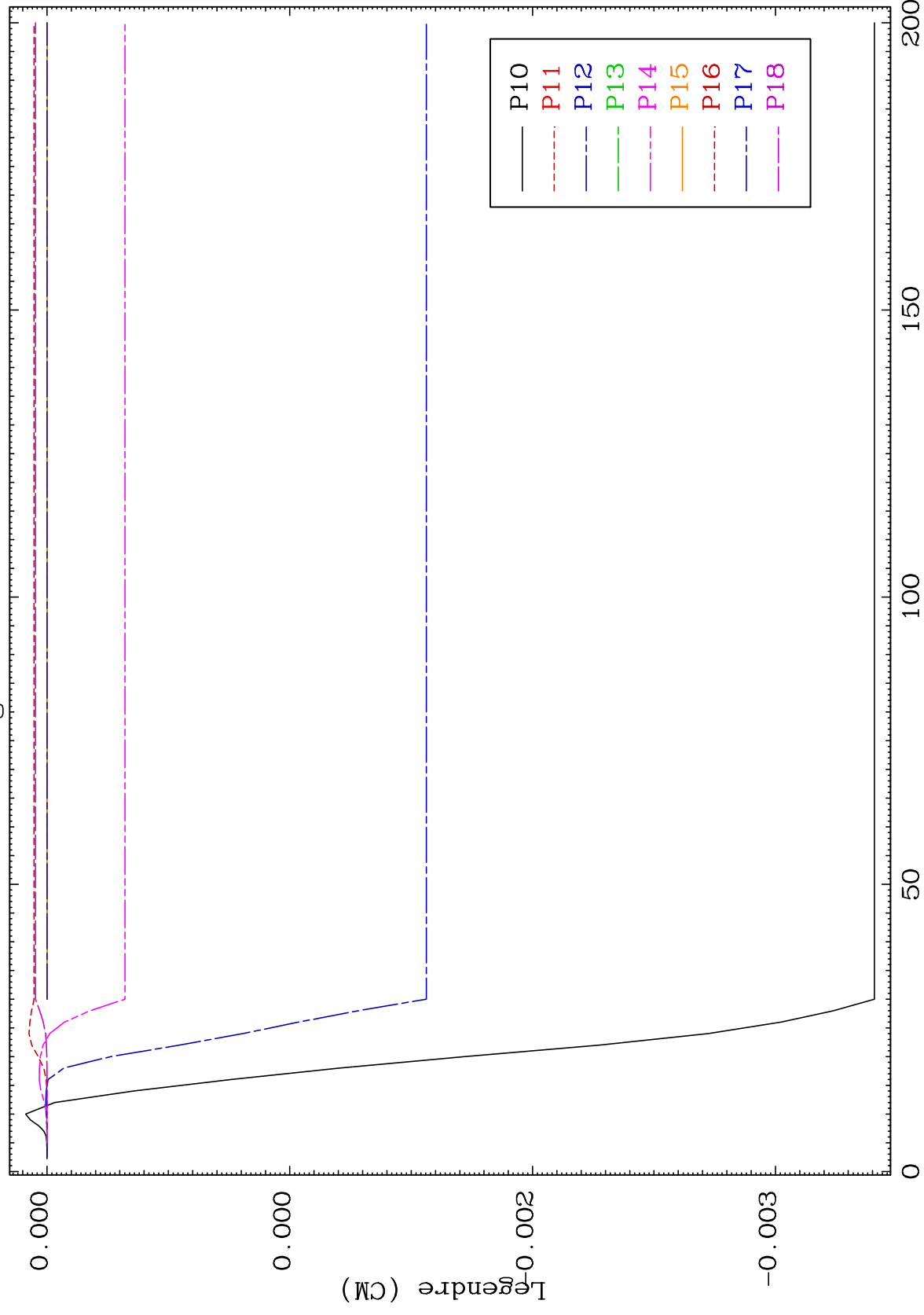
53-I -125



MAT 5319

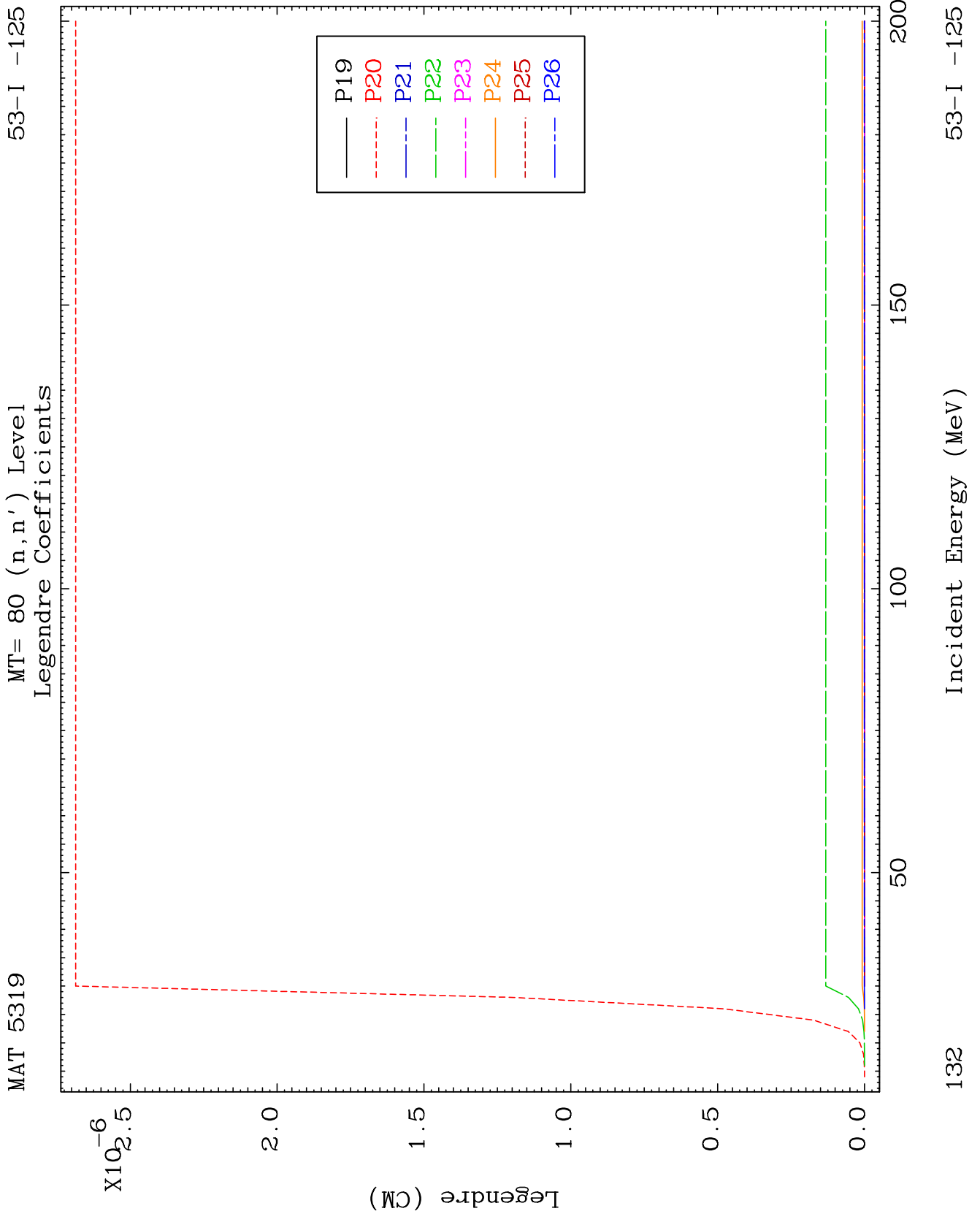
MT= 80 (n,n') Level
Legendre Coefficients

53-I -125



131

53-I -125

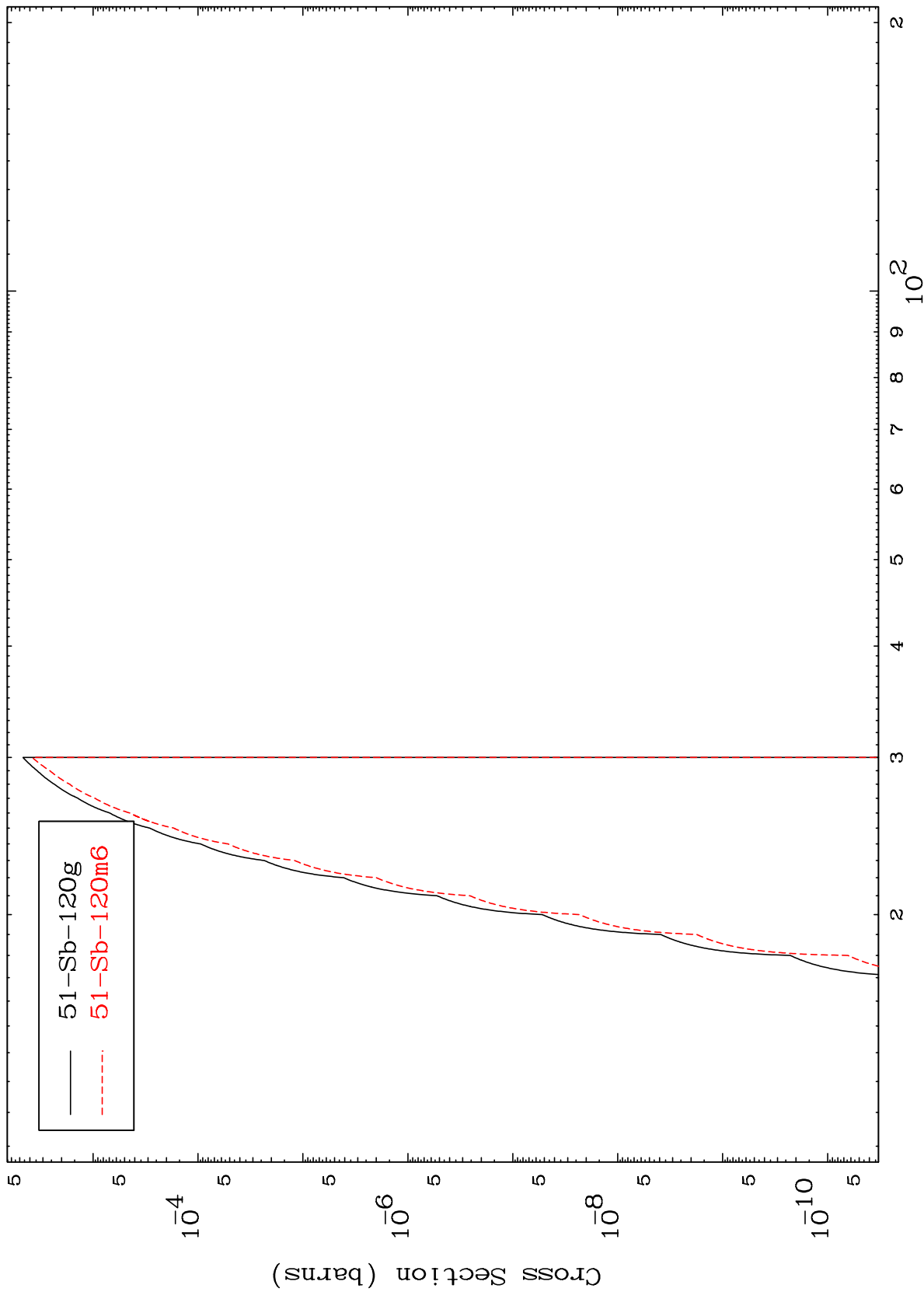


MAT 5319

(n,2n) α

53-I -125

Radionuclide Production Cross Section



133

Incident Energy (MeV)

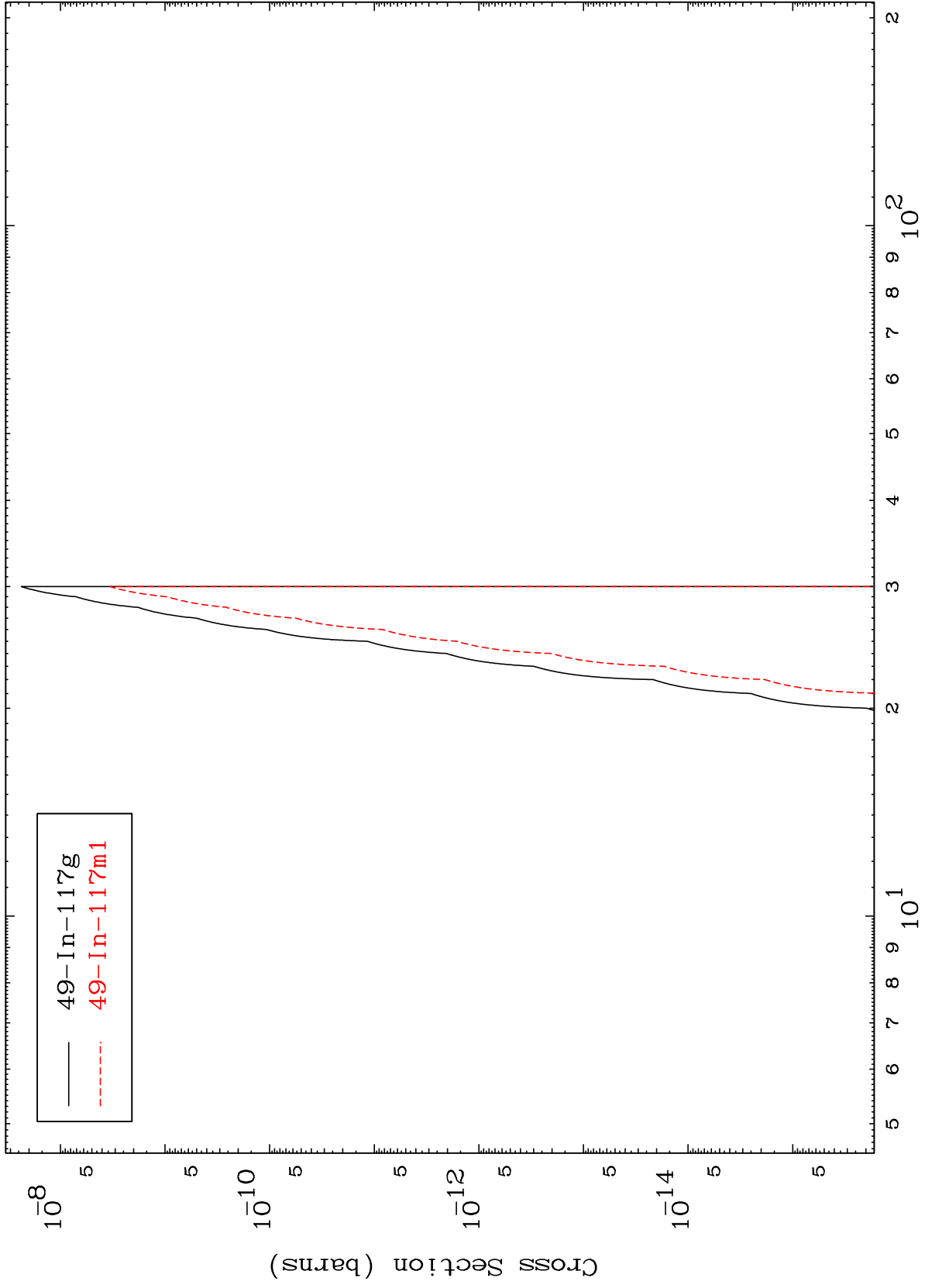
53-I -125

MAT 5319

(n,n') 2α

53-I -125

Radionuclide Production Cross Section



— 49-In-117g
- - - 49-In-117m1

134

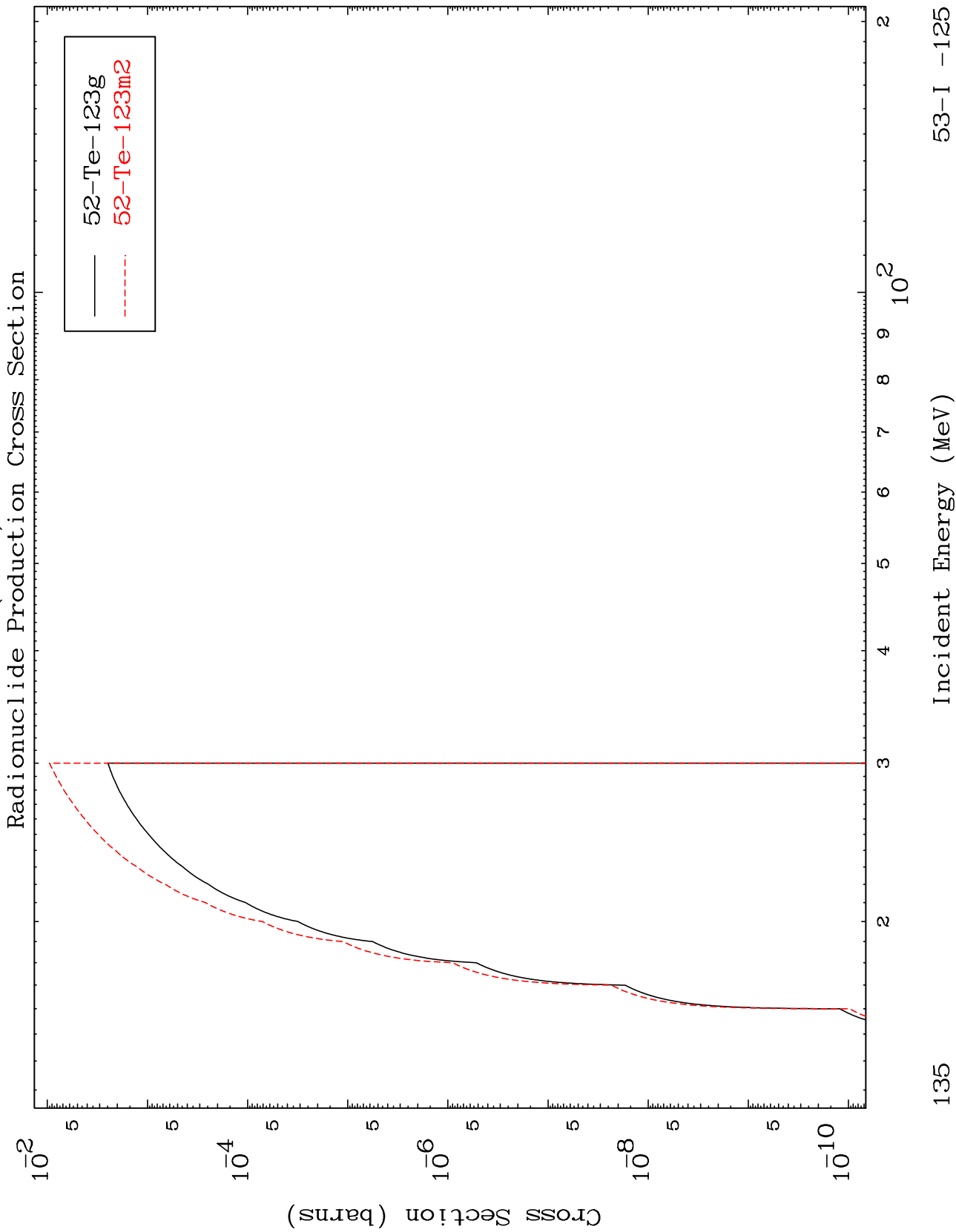
Incident Energy (MeV)

53-I -125

MAT 5319

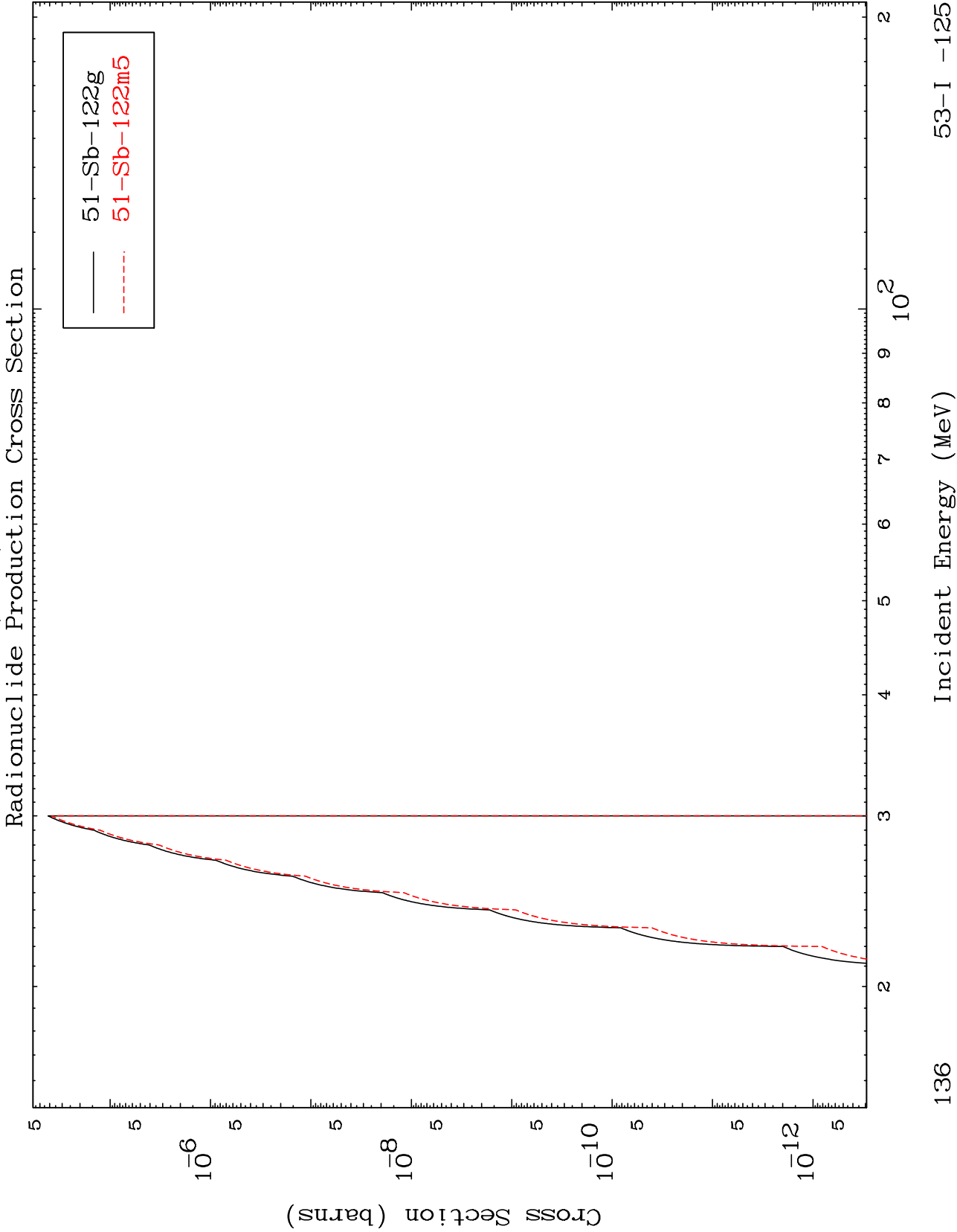
(n,n') d

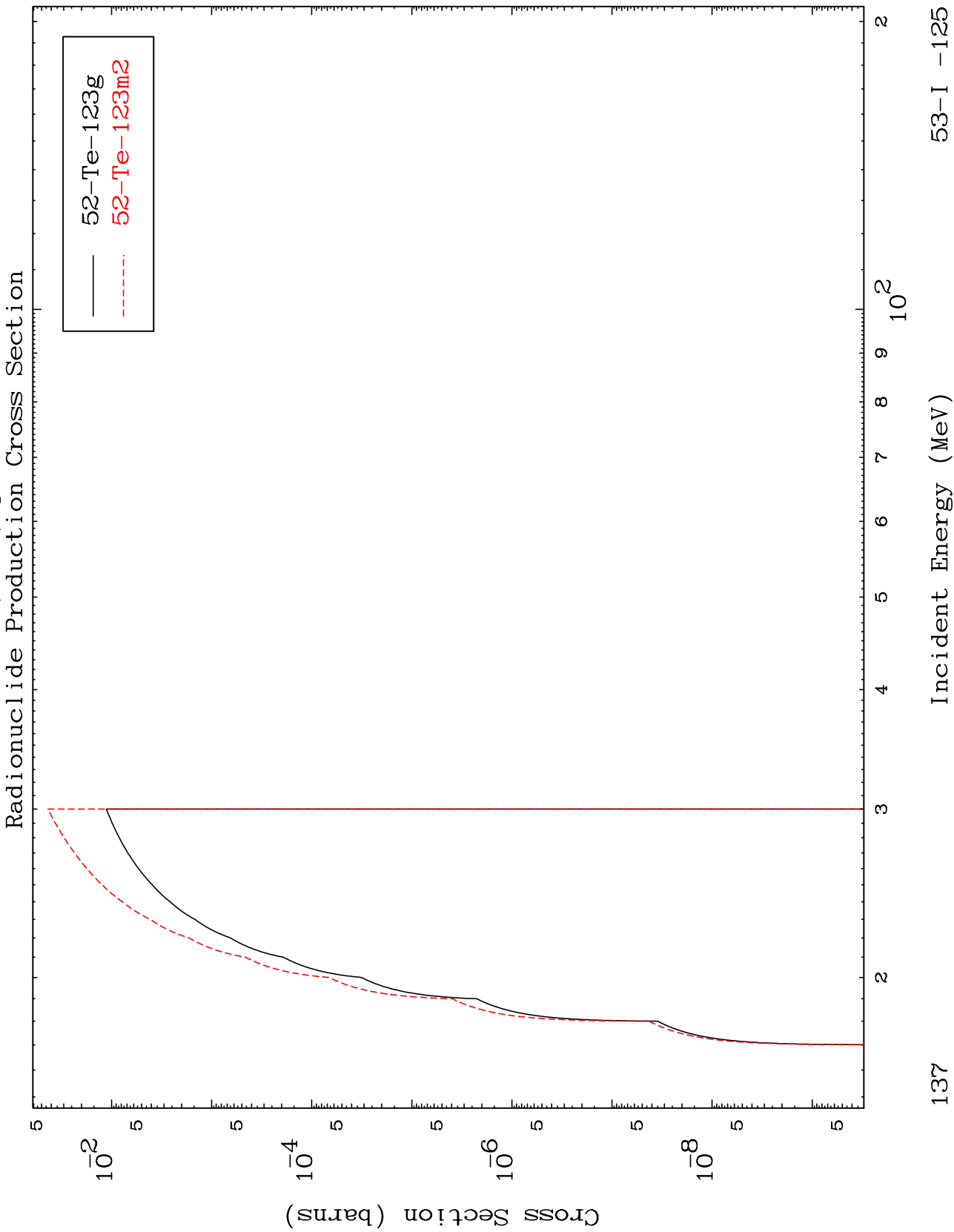
53-I -125



135

53-I -125

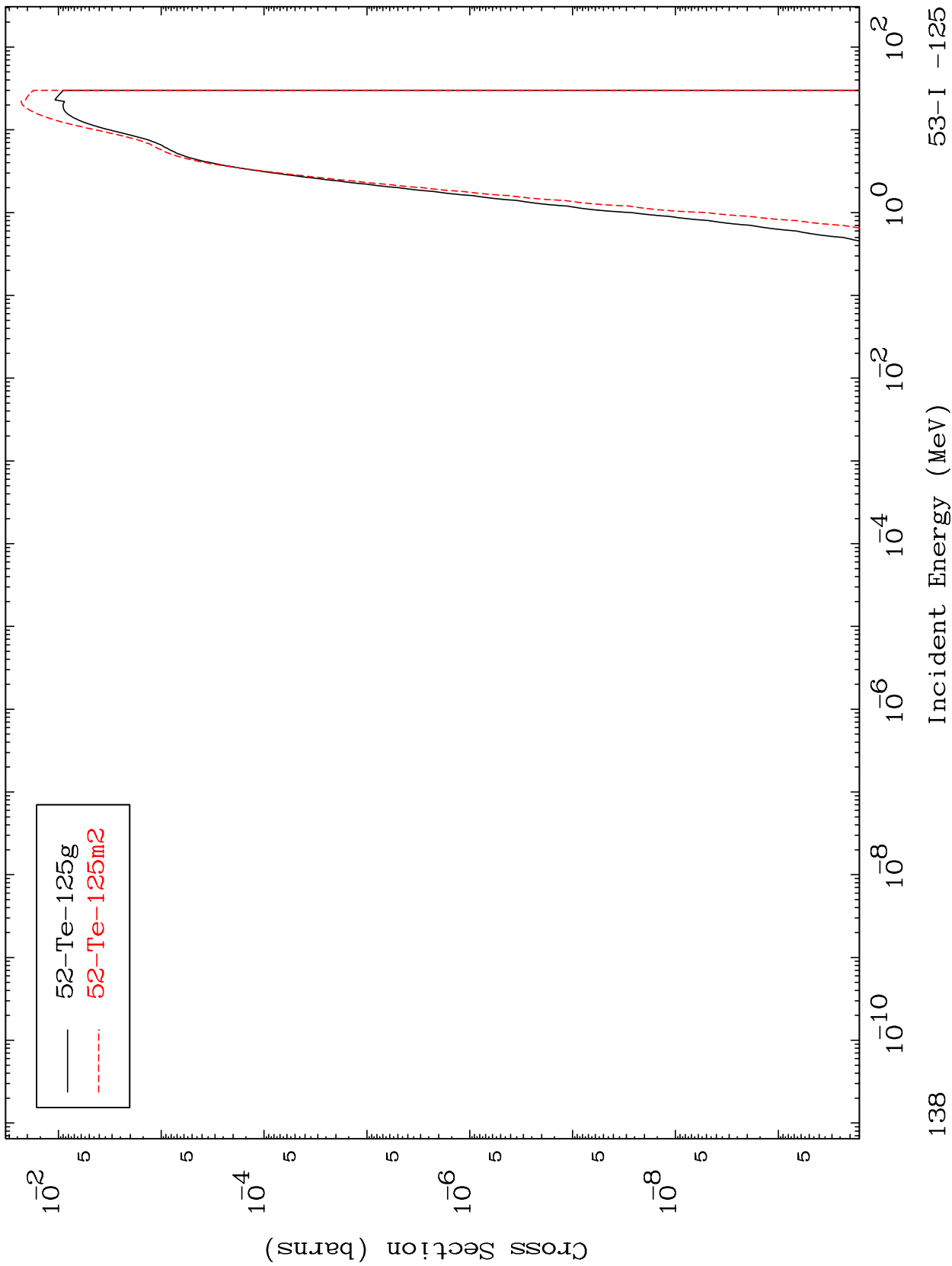




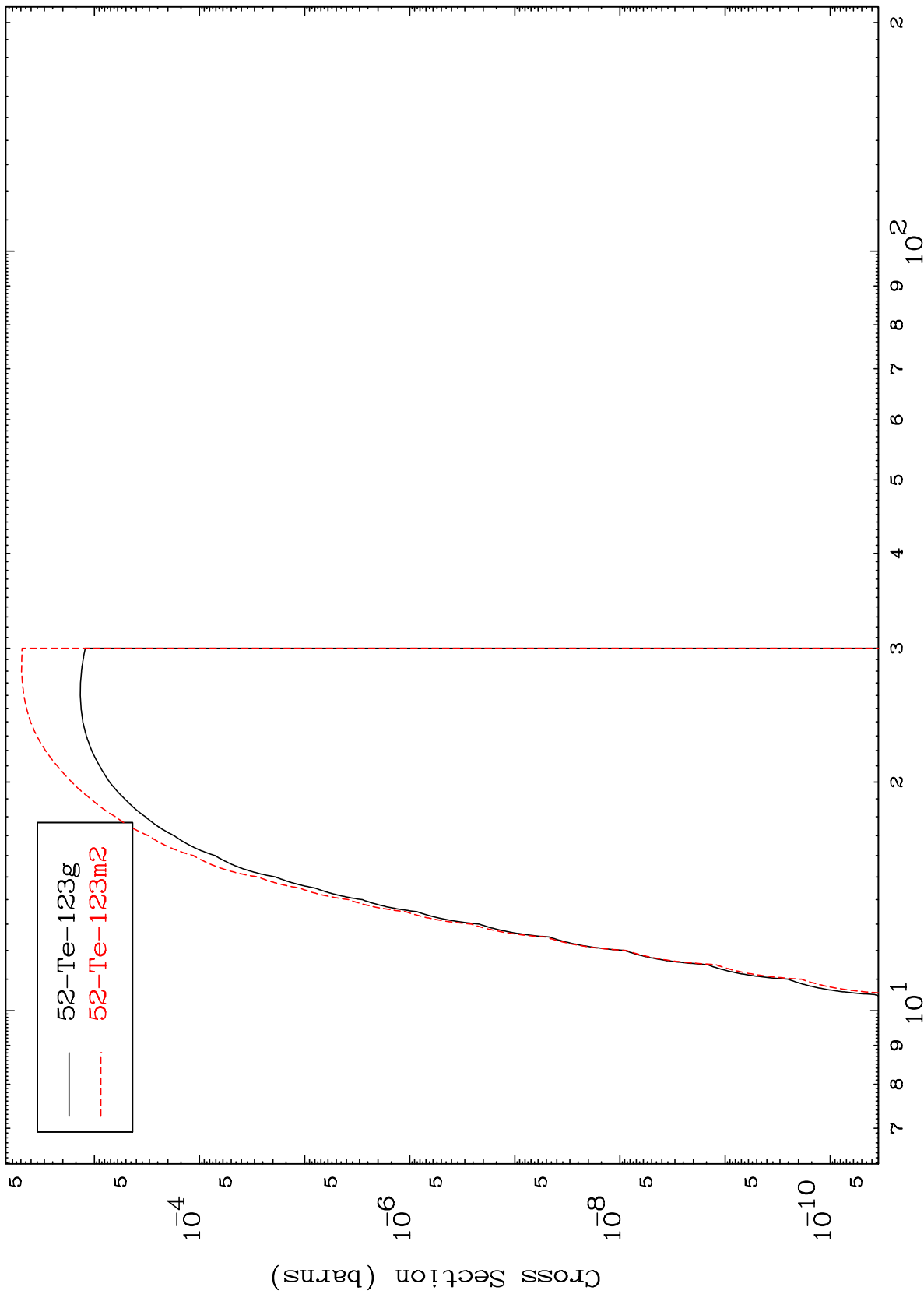
MAT 5319

53-I -125

(n,p)
Radionuclide Production Cross Section



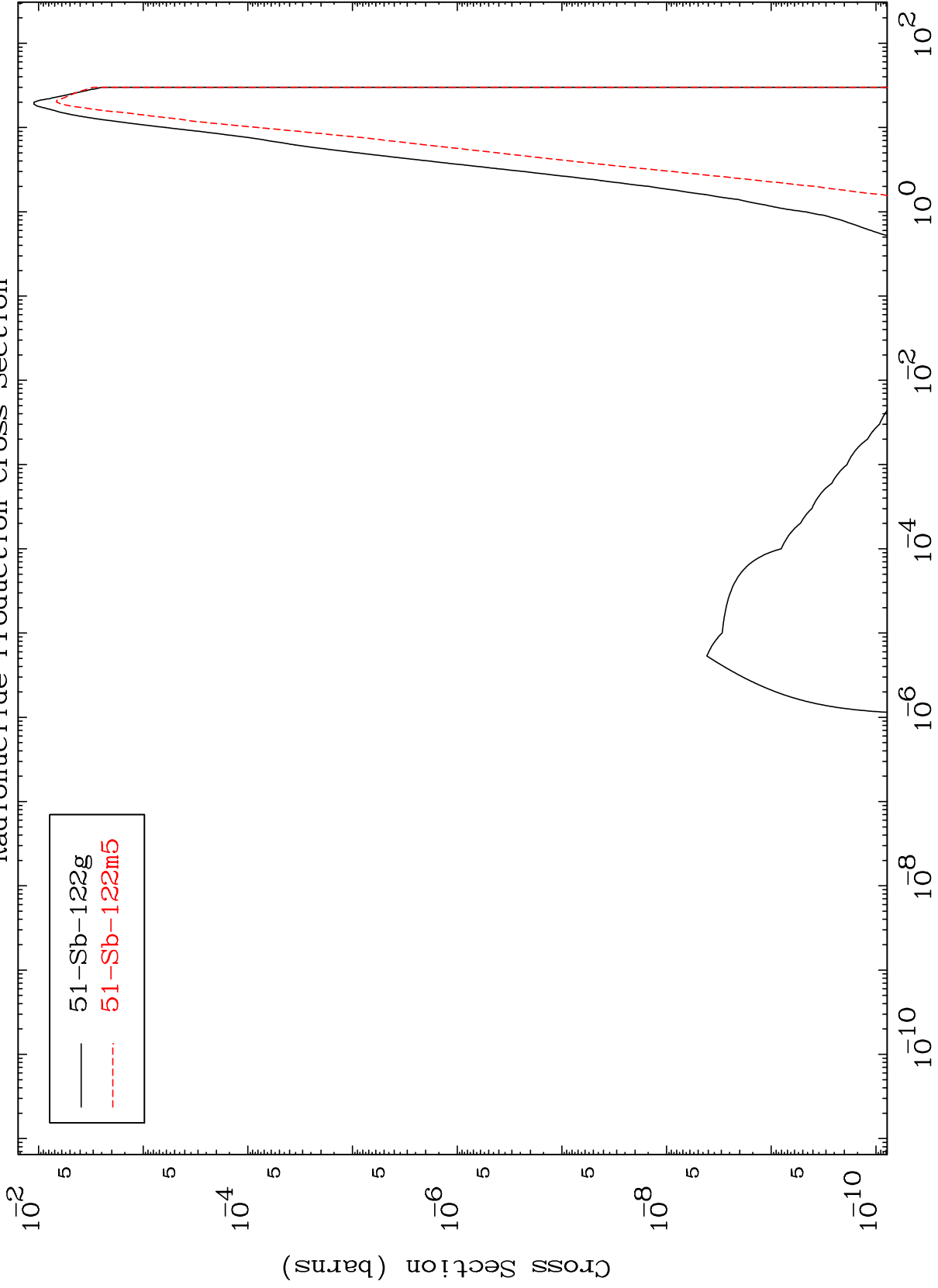
(n,t)
Radionuclide Production Cross Section



MAT 5319

53-I -125

Radionuclide Production Cross Section



Incident Energy (MeV)

53-I -125

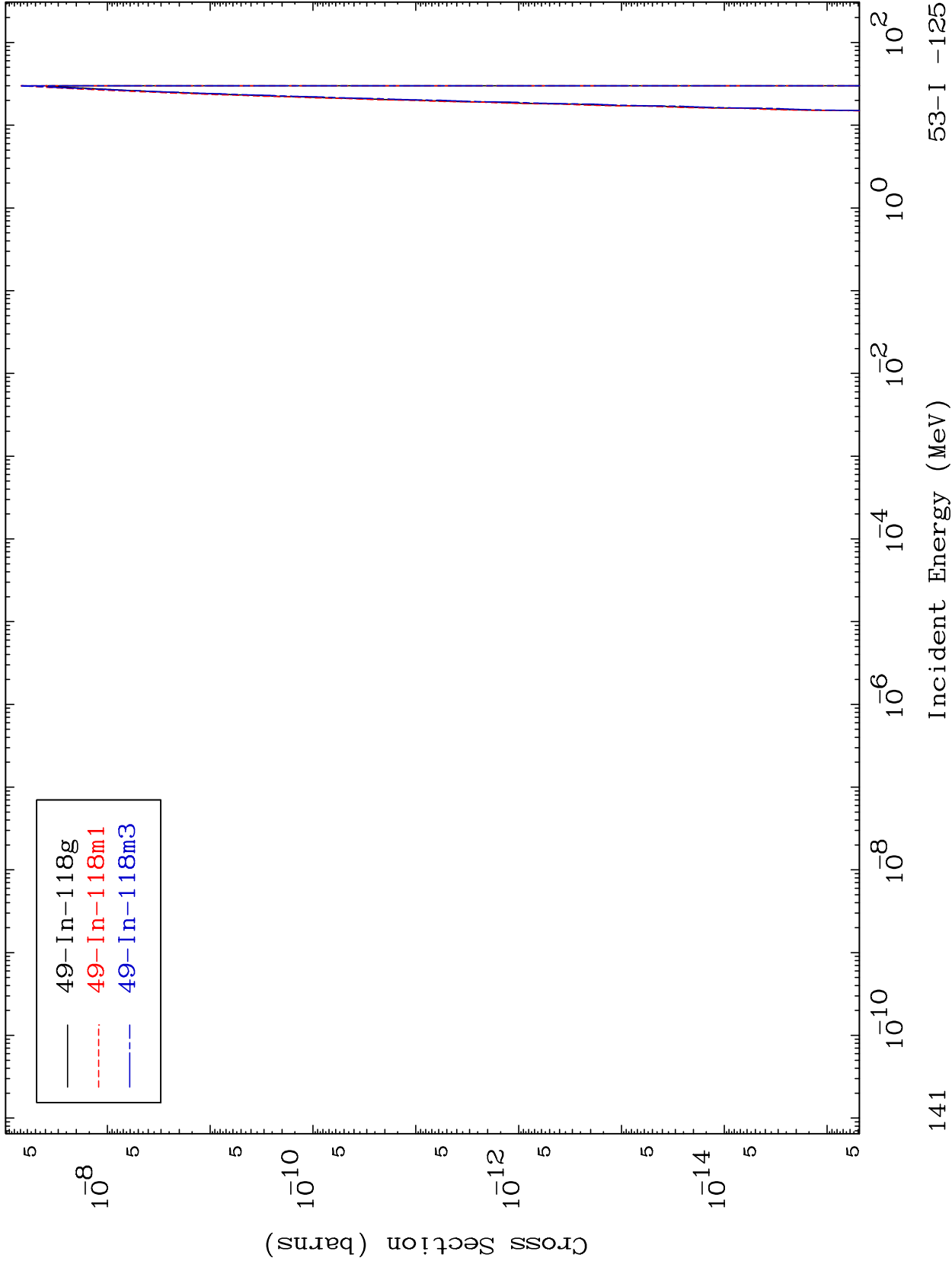
140

MAT 5319

(n,2α)

53-I -125

Radionuclide Production Cross Section

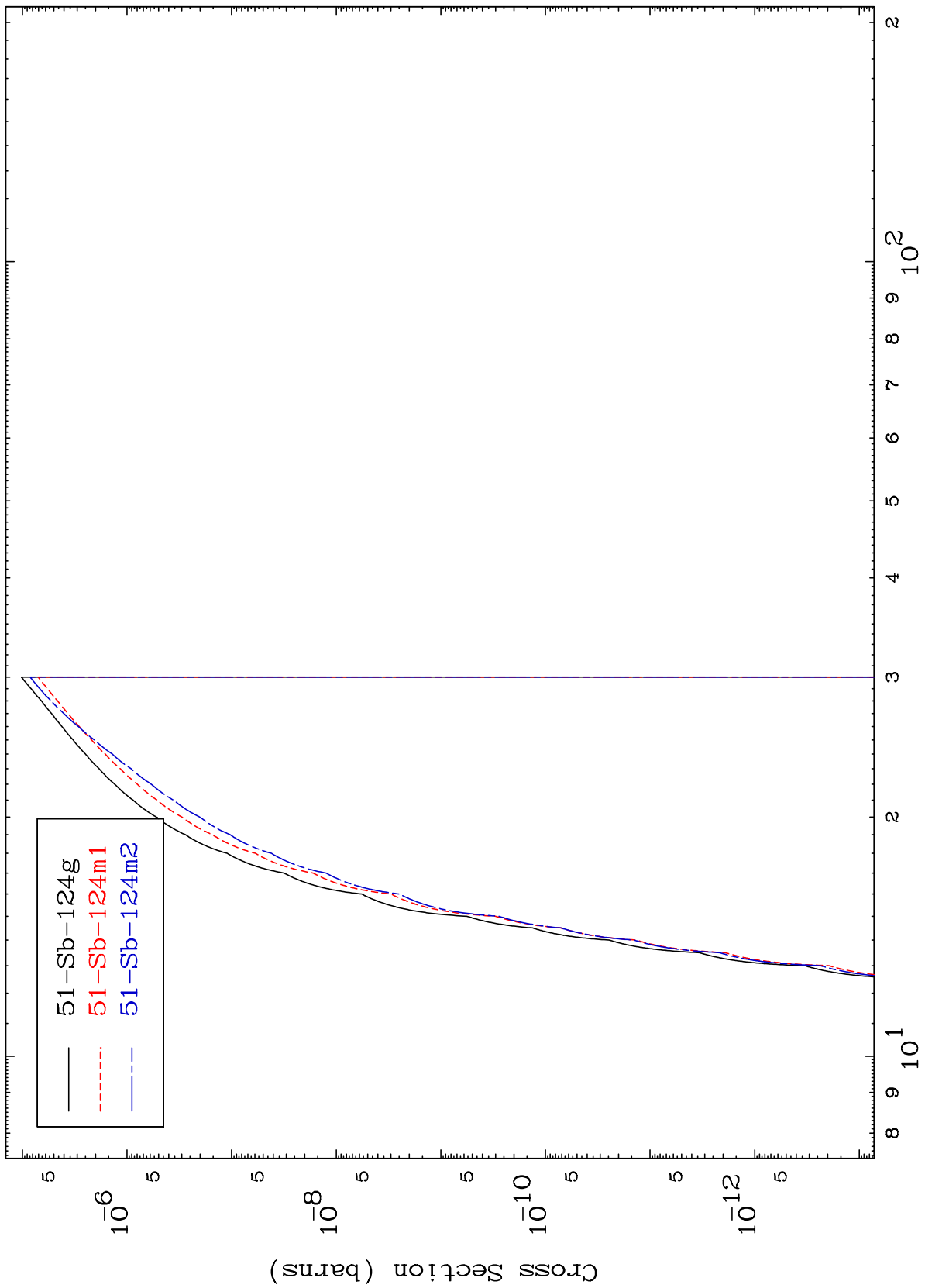


141

Incident Energy (MeV)

53-I -125

(n,2p)
Radionuclide Production Cross Section

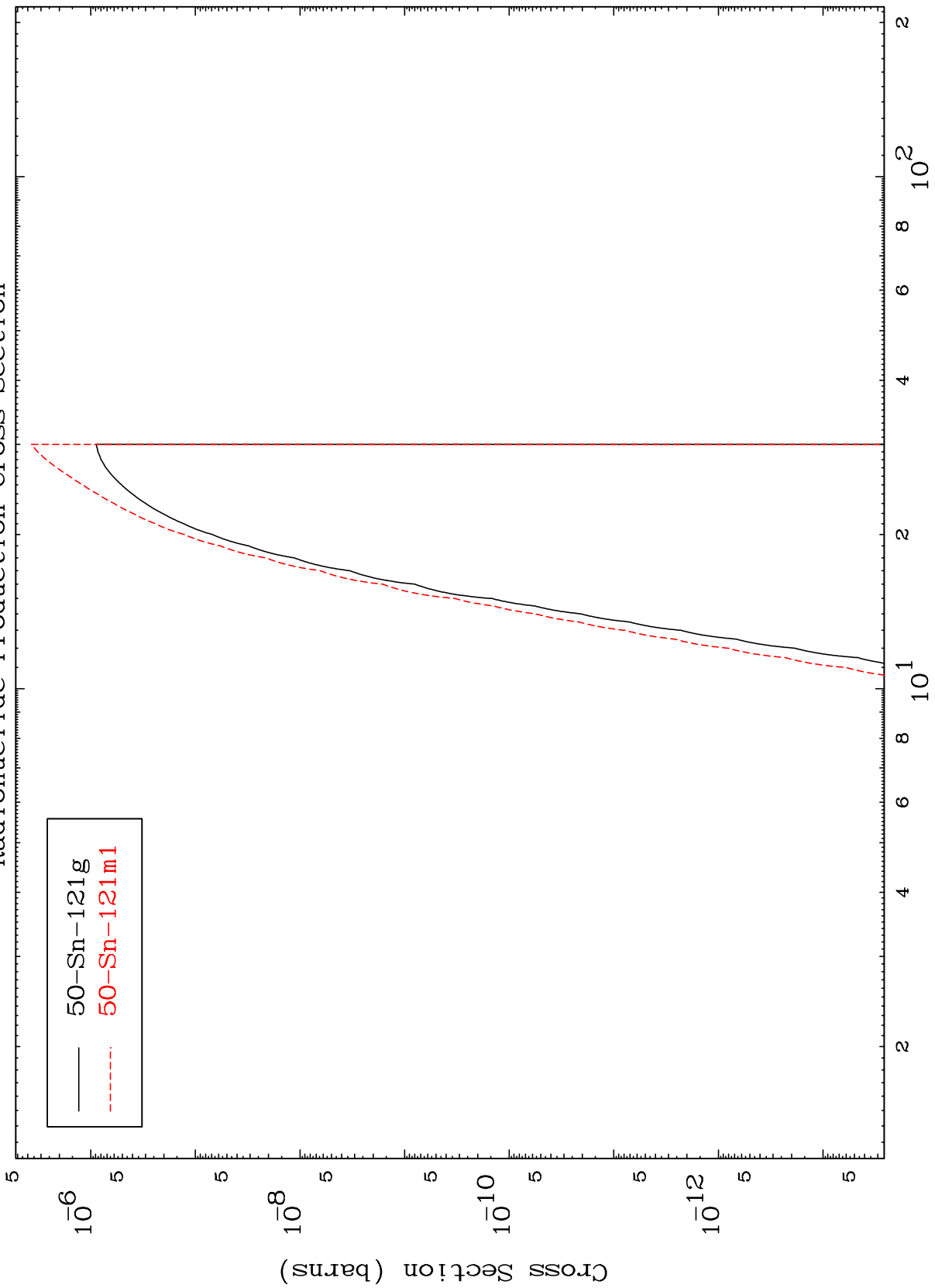


MAT 5319

(n,p) α

53-I -125

Radionuclide Production Cross Section



143

Incident Energy (MeV)

53-I -125

Radionuclide Production Cross Section

