

Program EVALPLOT
(Version 2018-1)

by

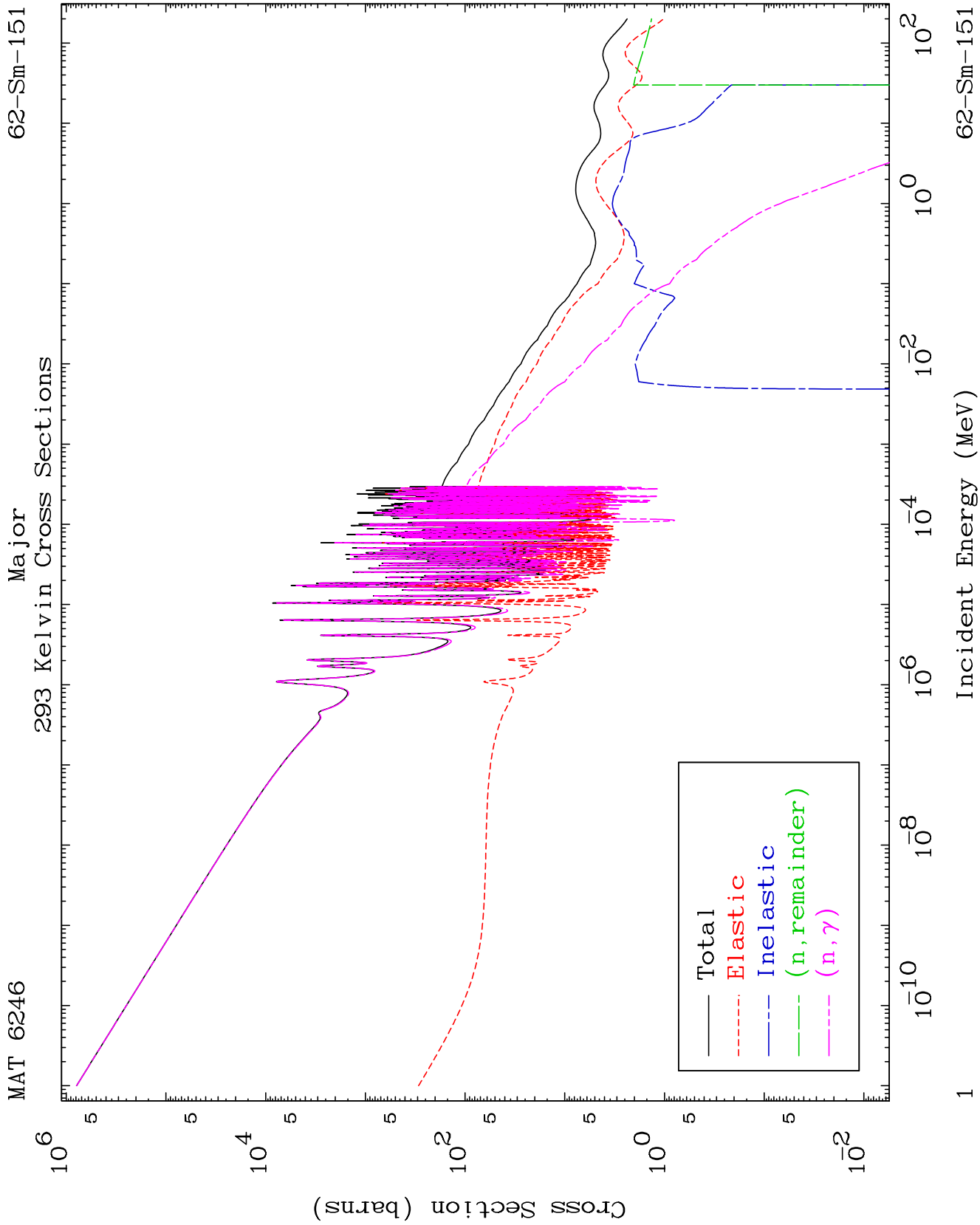
Dermott E. Cullen
(Present Contact Information)

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

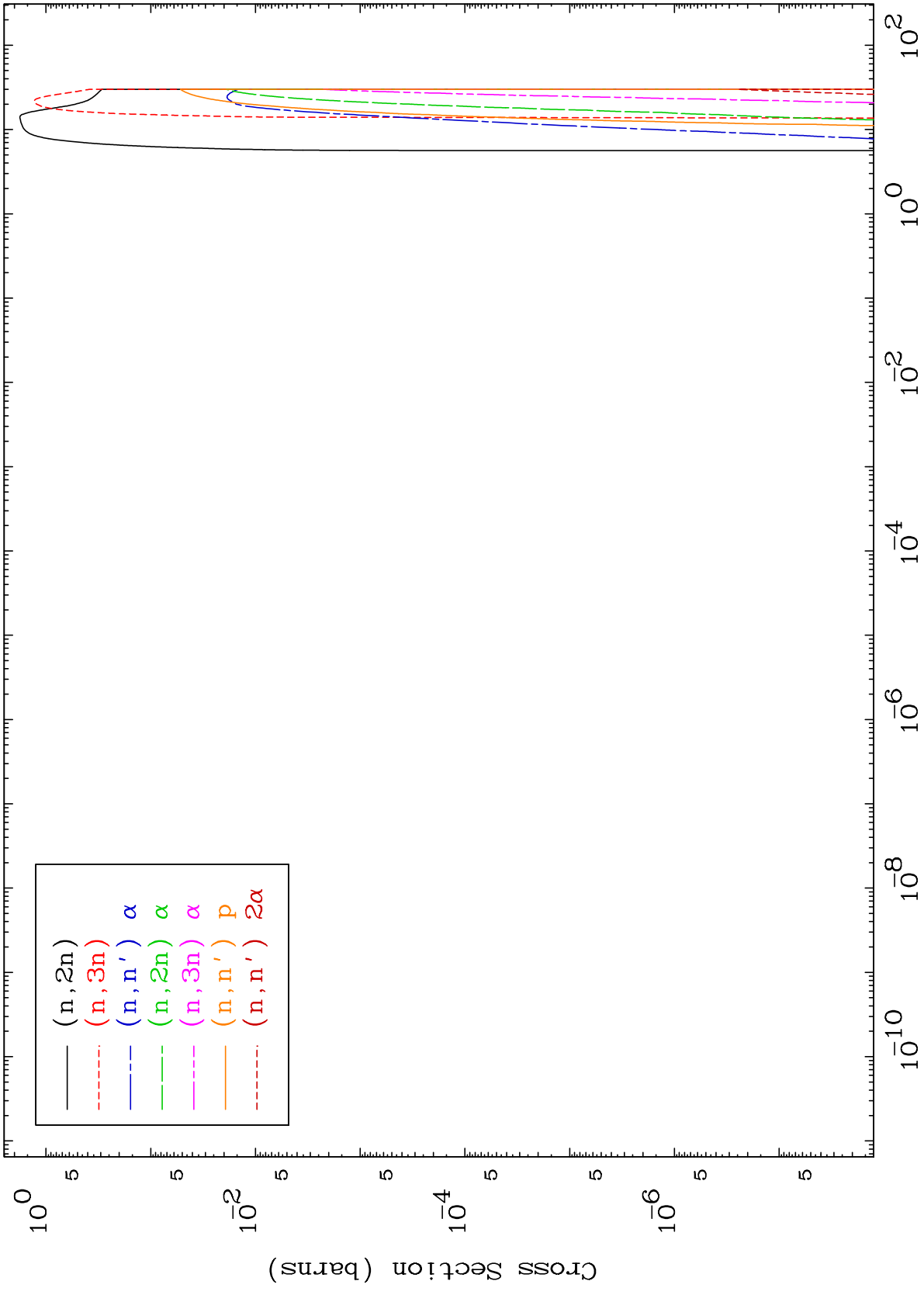
Press Mouse Button to Start



MAT 6246

Neutron Production
293 Kelvin Cross Sections

62-Sm-151

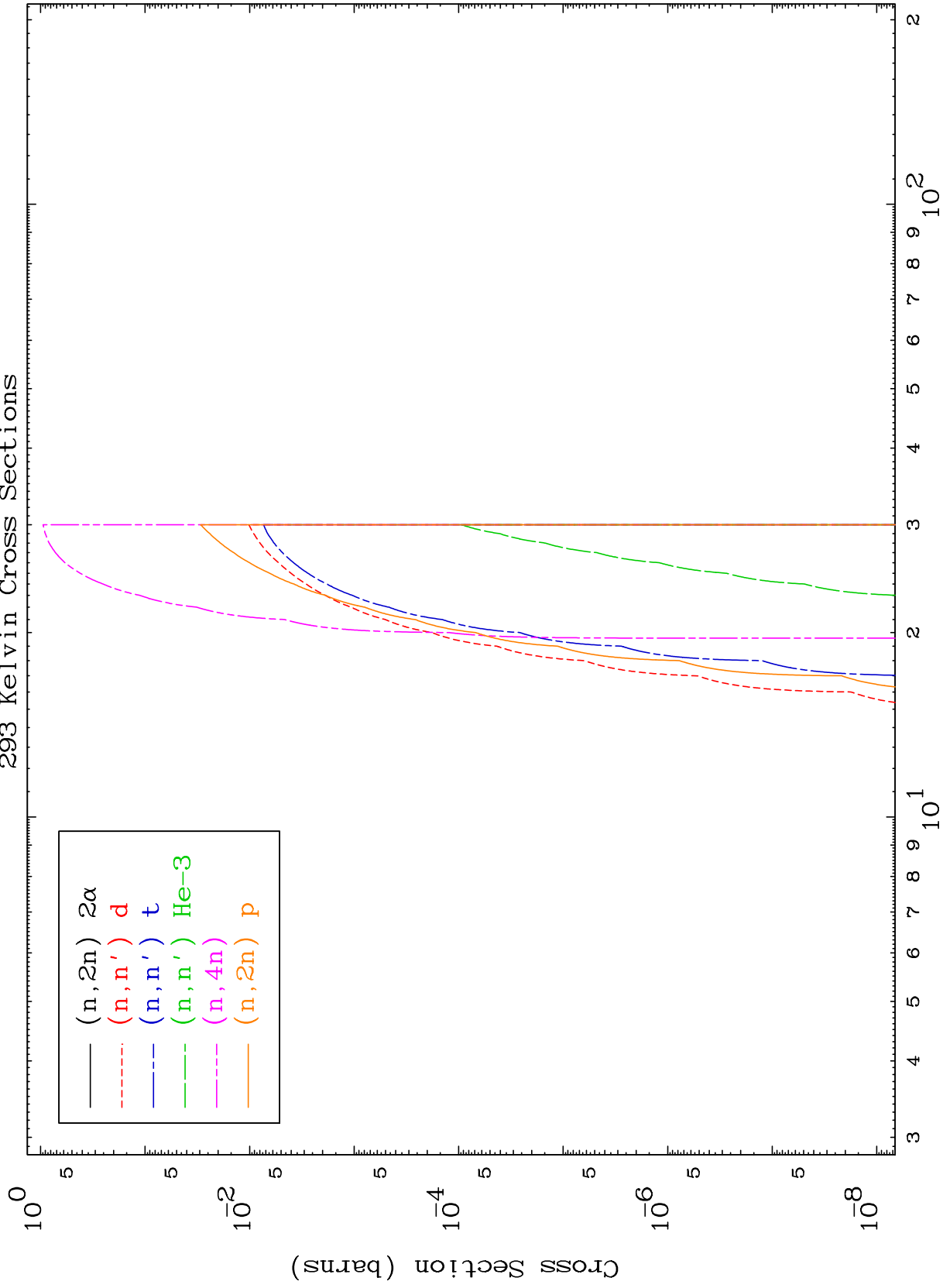


62-Sm-151

MAT 6246

Neutron Production
293 Kelvin Cross Sections

62-Sm-151



3

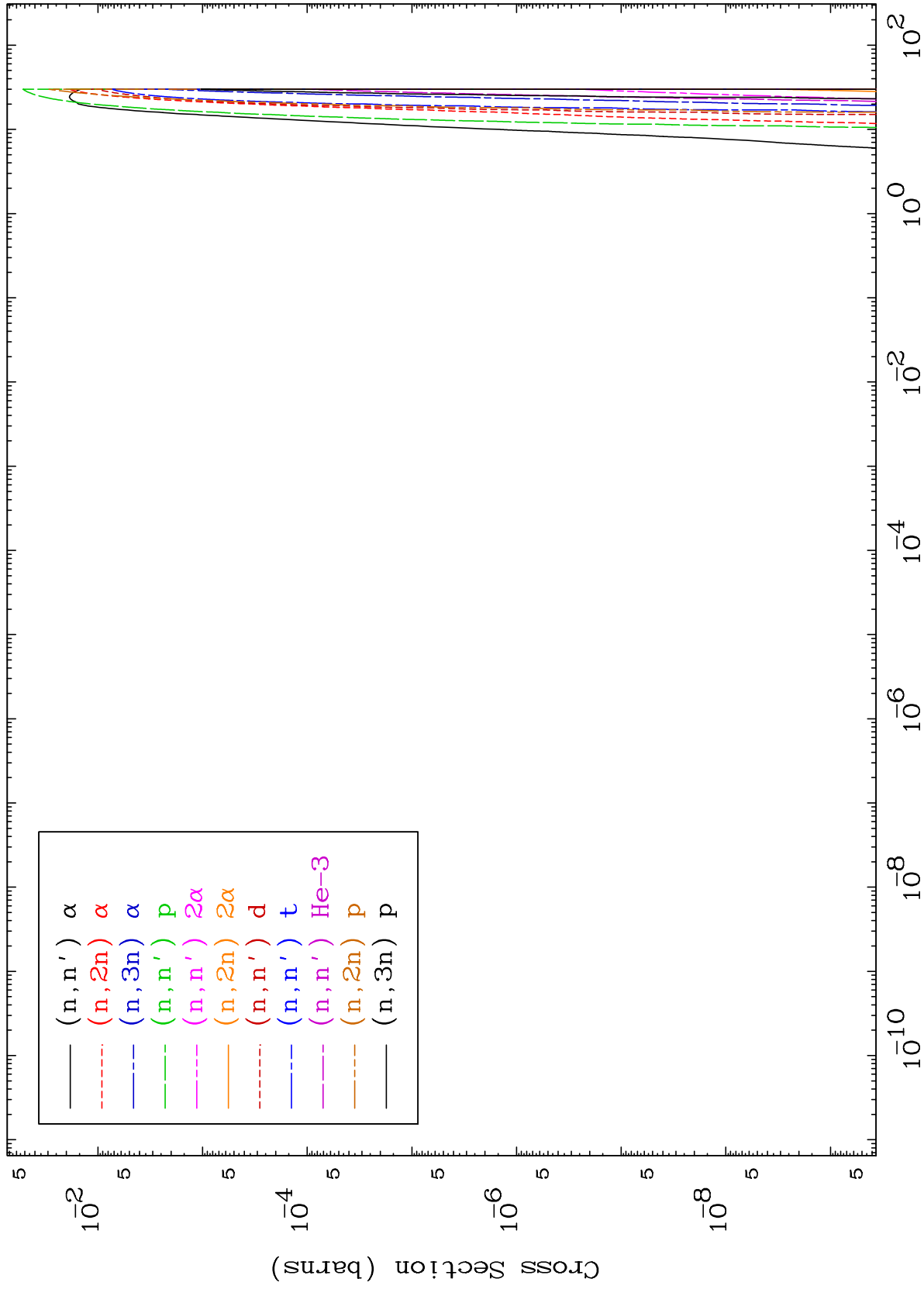
Incident Energy (MeV)

62-Sm-151

MAT 6246

293 Charged Particle
Kelvin Cross Sections

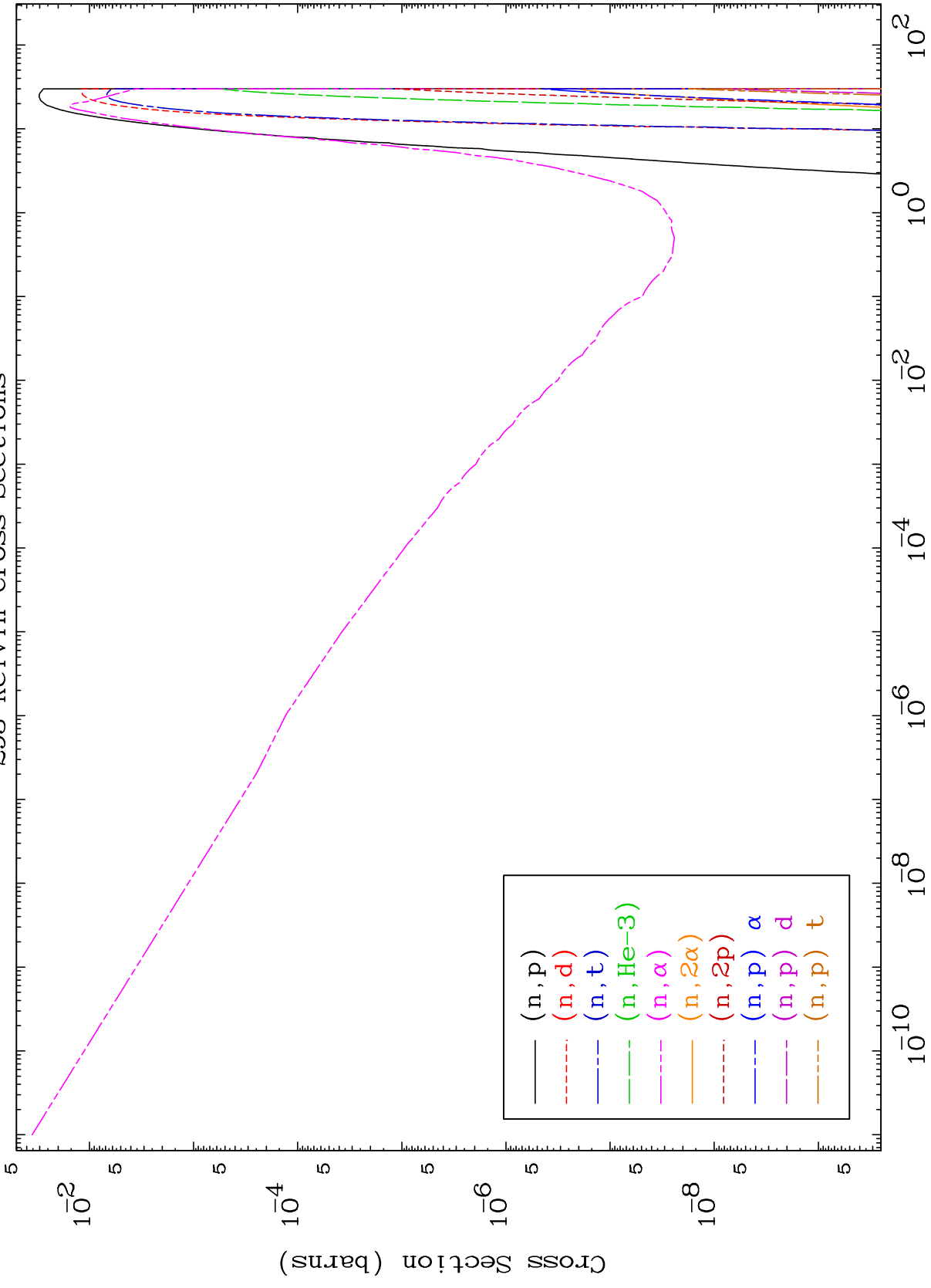
62-Sm-151

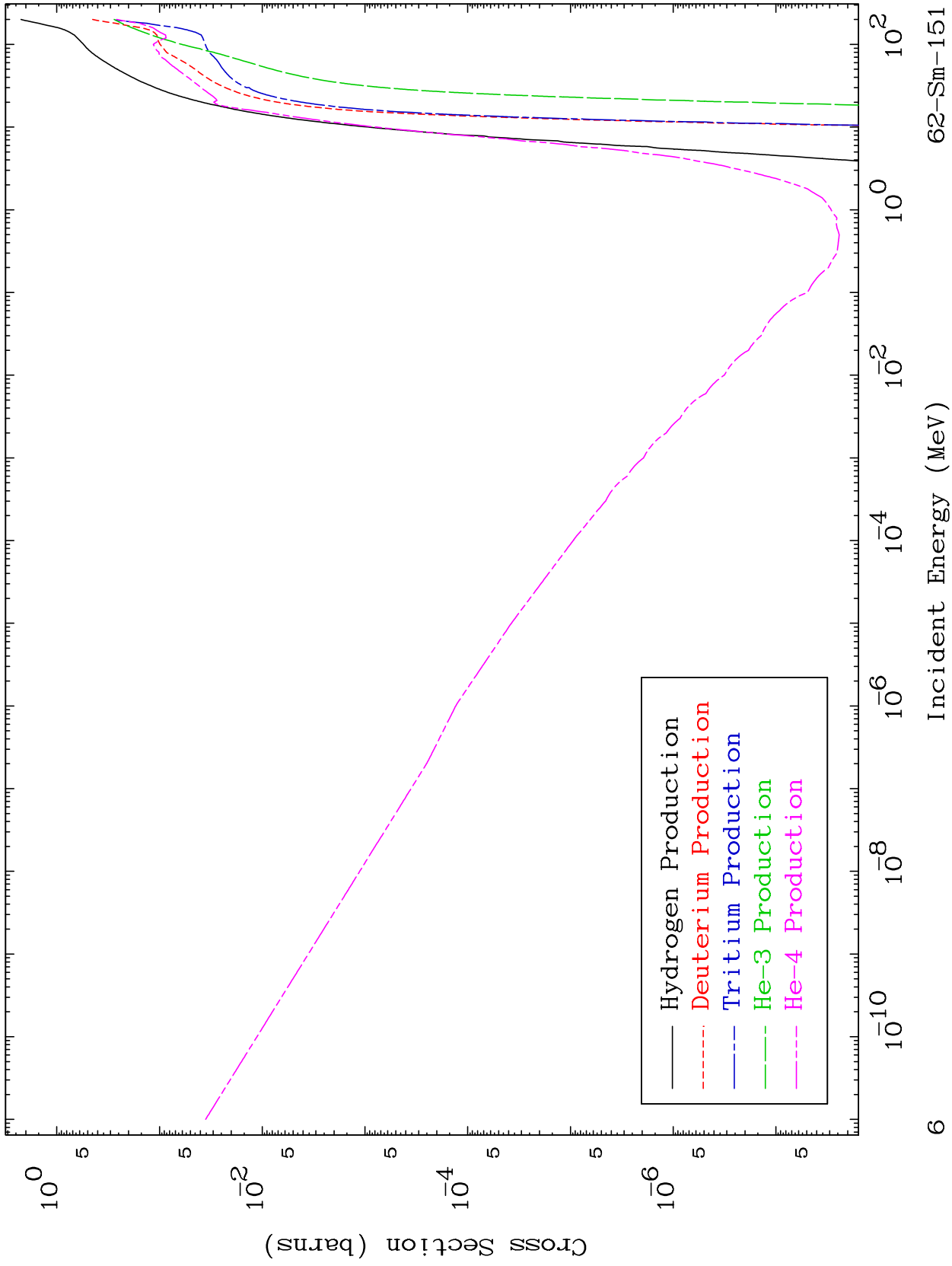


MAT 6246

293 Kelvin Cross Sections

62-Sm-151

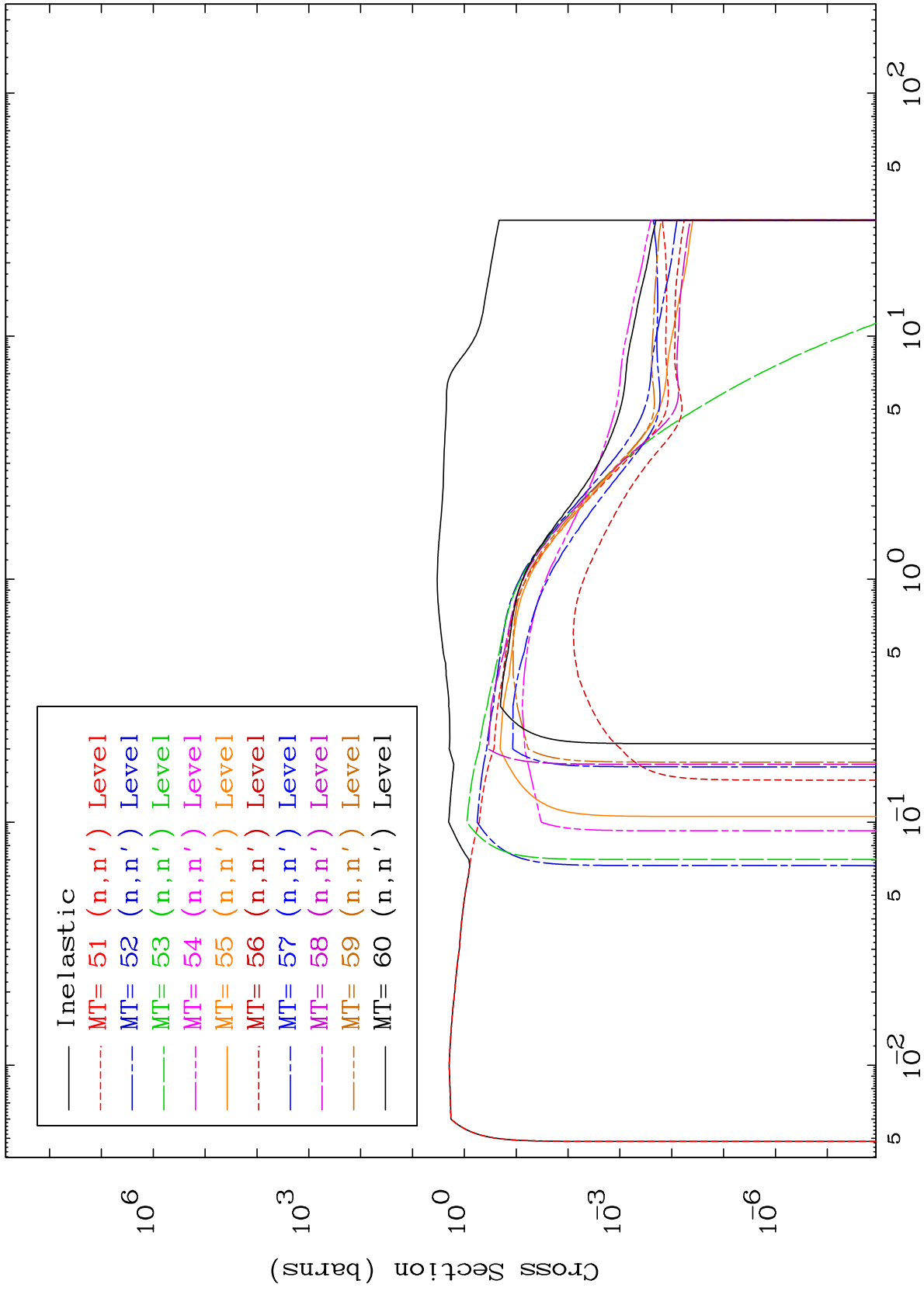




MAT 6246

(n,n') Level
293 Kelvin Cross Sections

62-Sm-151



7

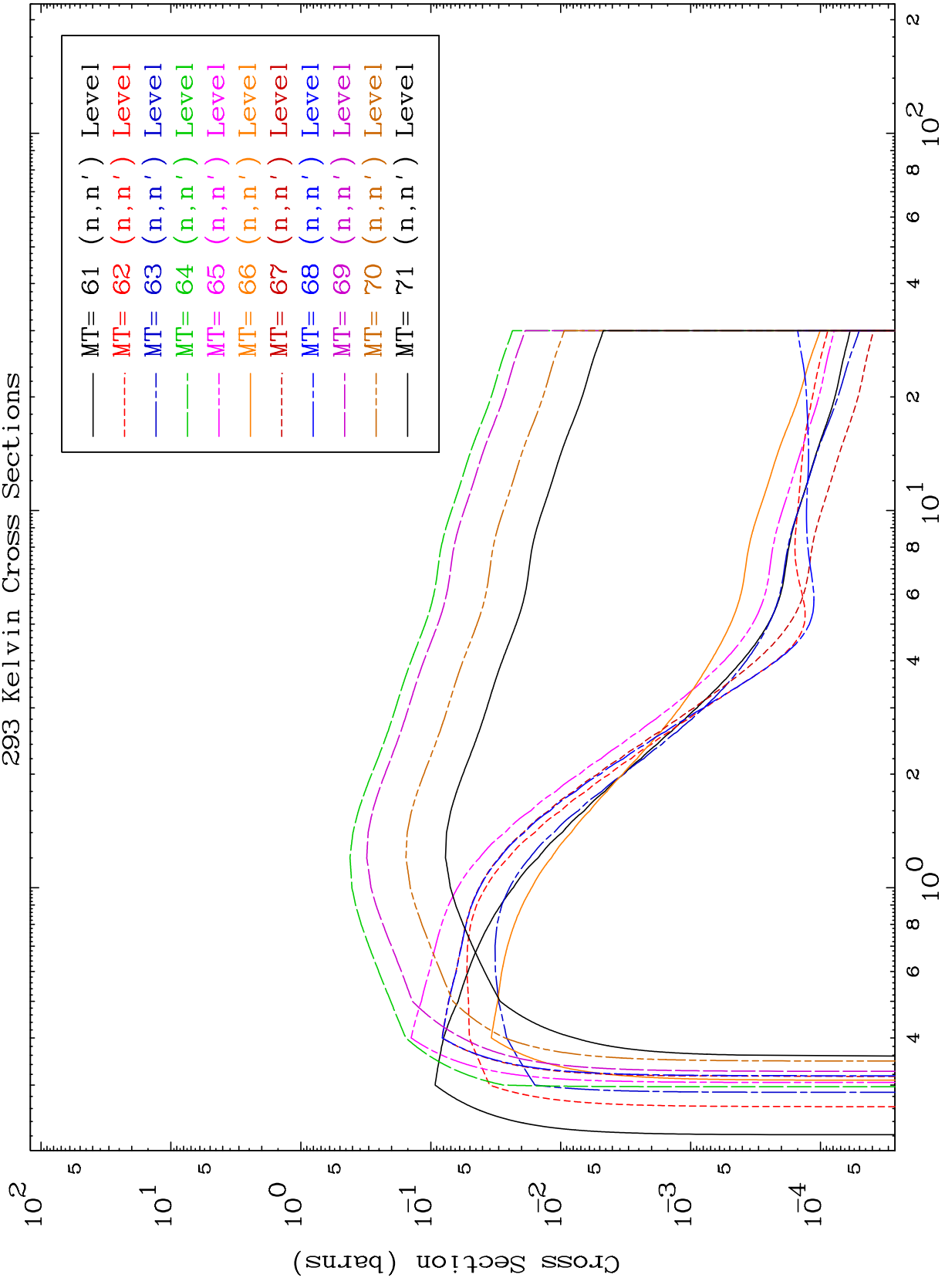
62-Sm-151

MAT 6246

(n,n') Level

62-Sm-151

293 Kelvin Cross Sections



8

Incident Energy (MeV)

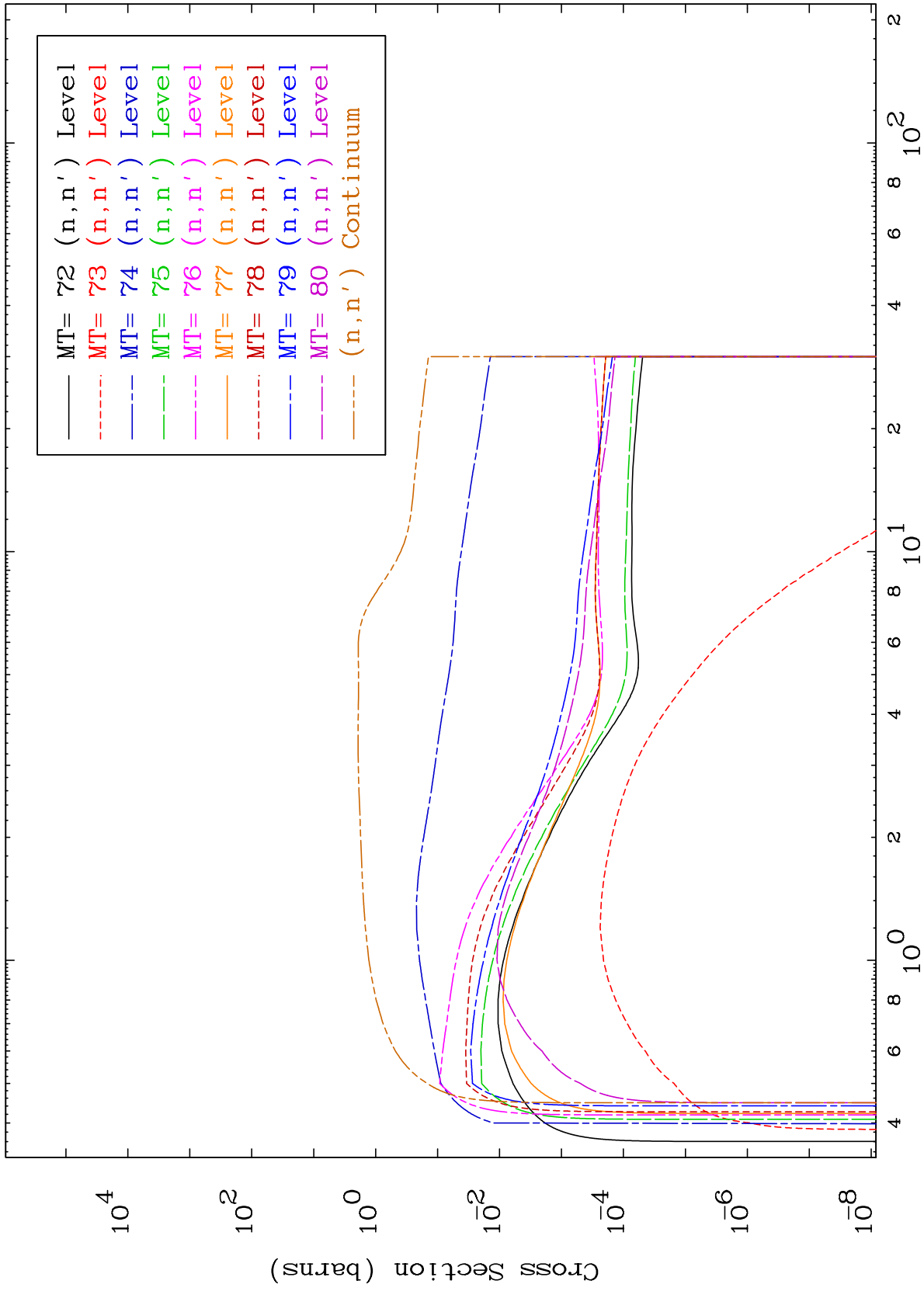
62-Sm-151

MAT 6246

(n,n') Level

62-Sm-151

293 Kelvin Cross Sections



9

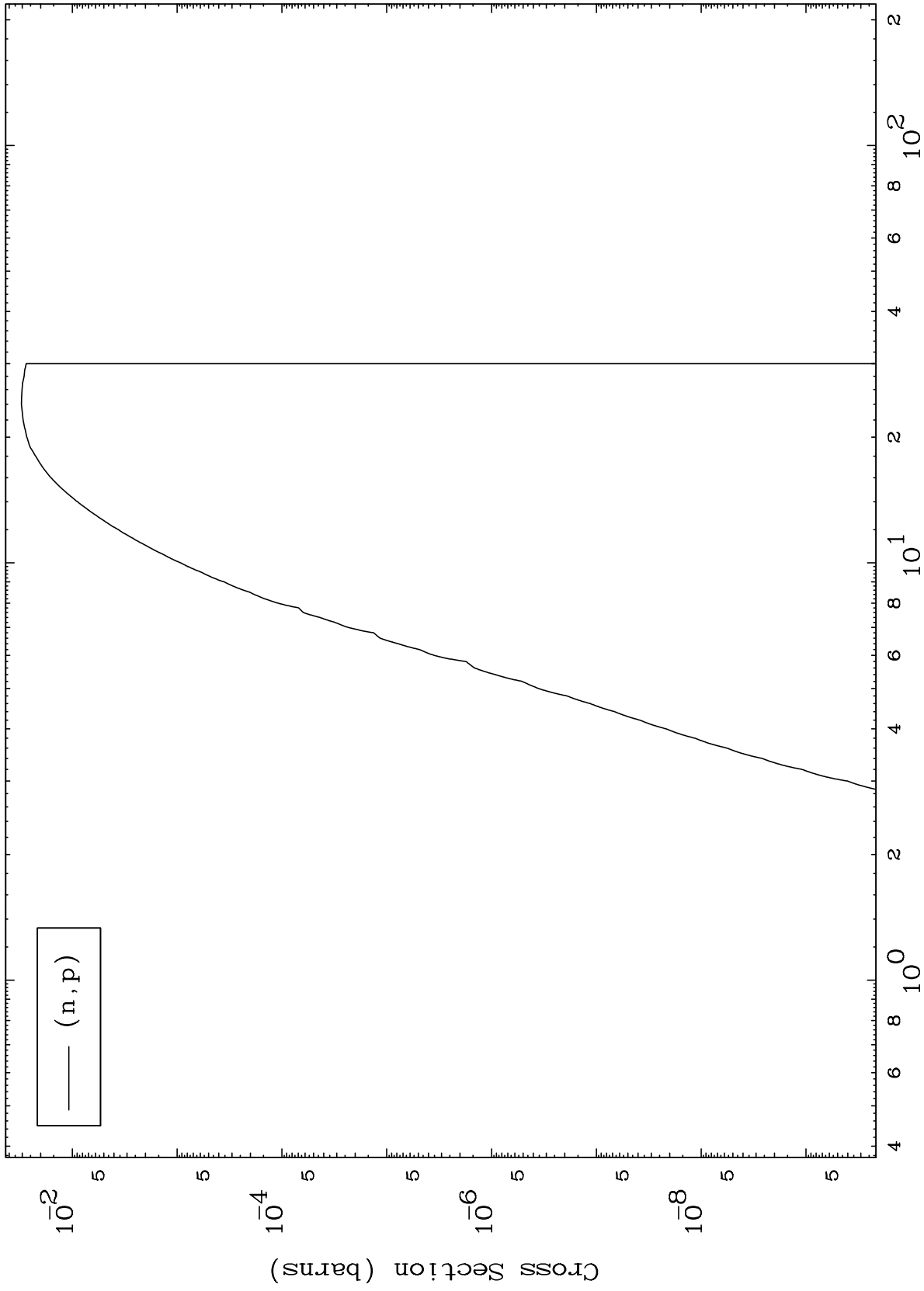
Incident Energy (MeV)

62-Sm-151

MAT 6246

(n,p) Levels
293 Kelvin Cross Sections

62-Sm-151



10

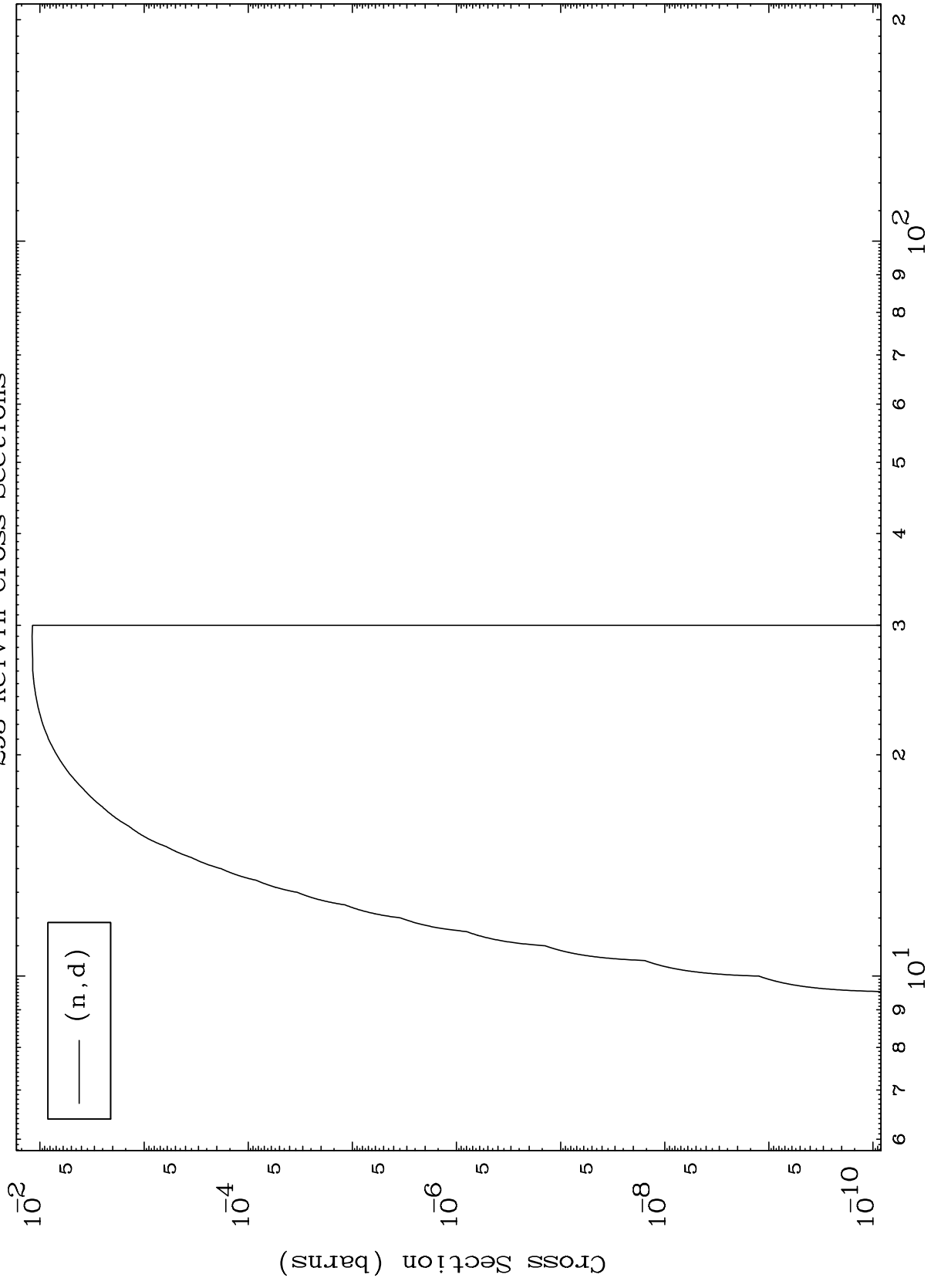
Incident Energy (MeV)

62-Sm-151

MAT 6246

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-151



11

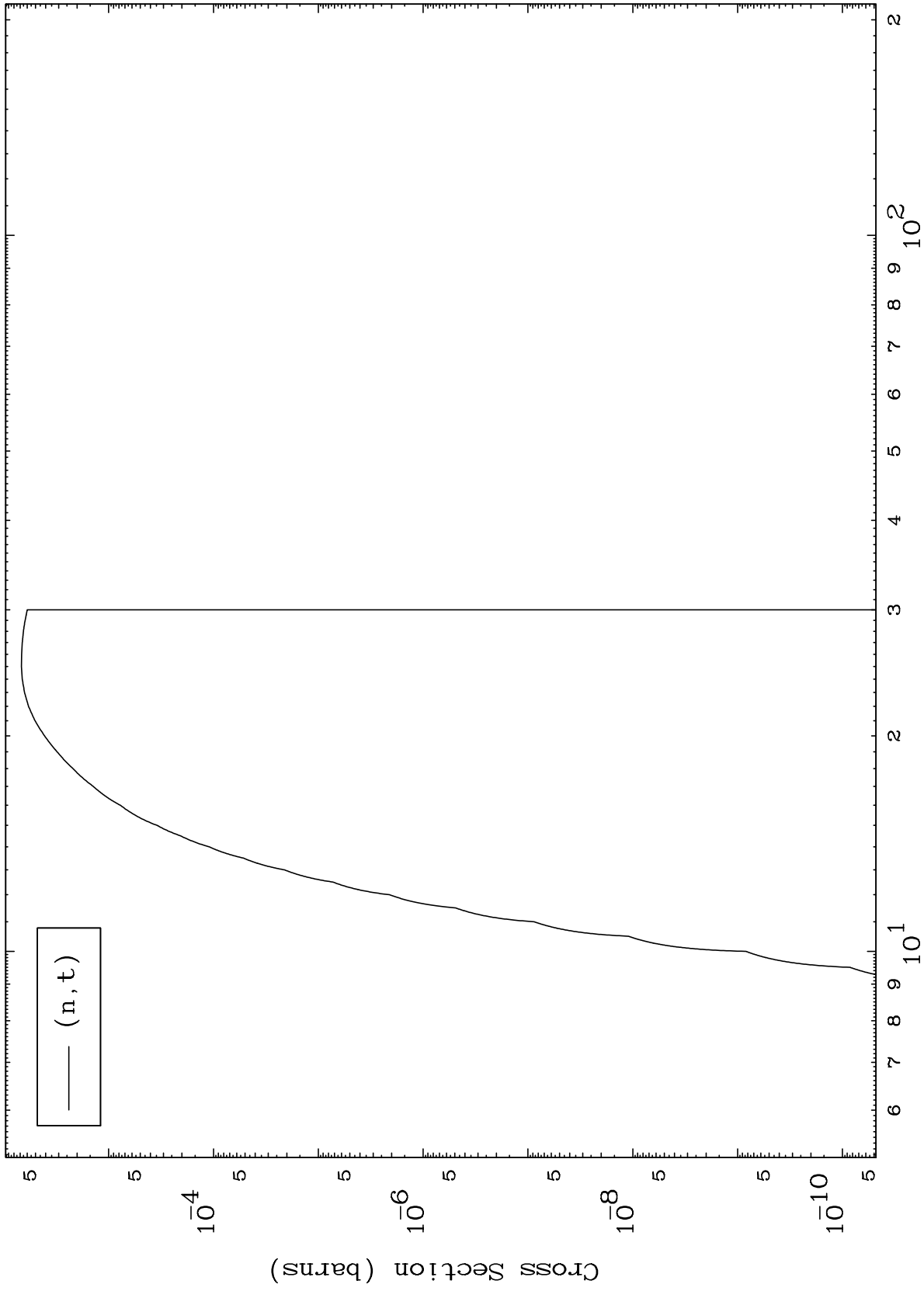
Incident Energy (MeV)

62-Sm-151

MAT 6246

62-Sm-151

(n,t) Levels
293 Kelvin Cross Sections



12

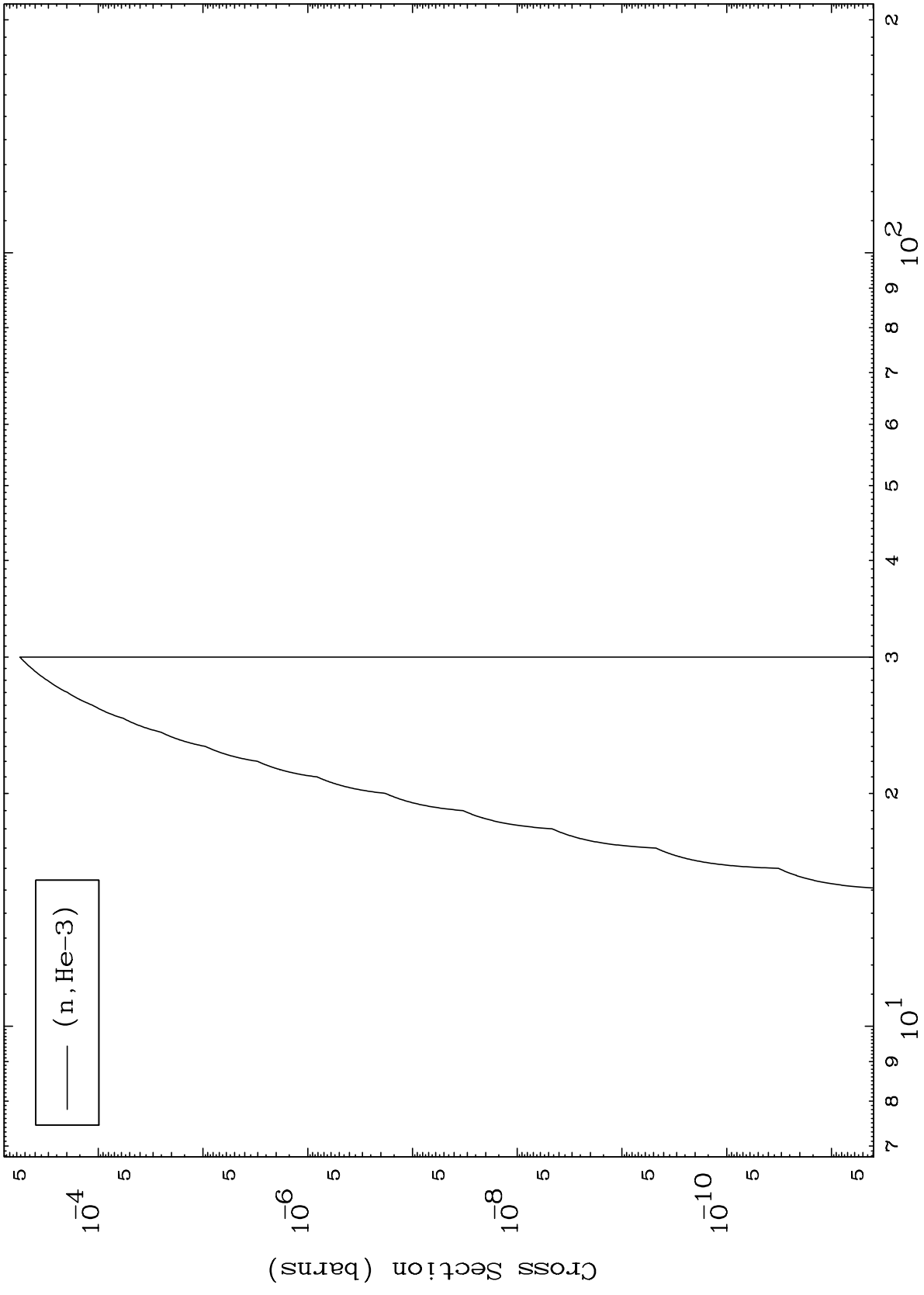
Incident Energy (MeV)

62-Sm-151

MAT 6246

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-151



13

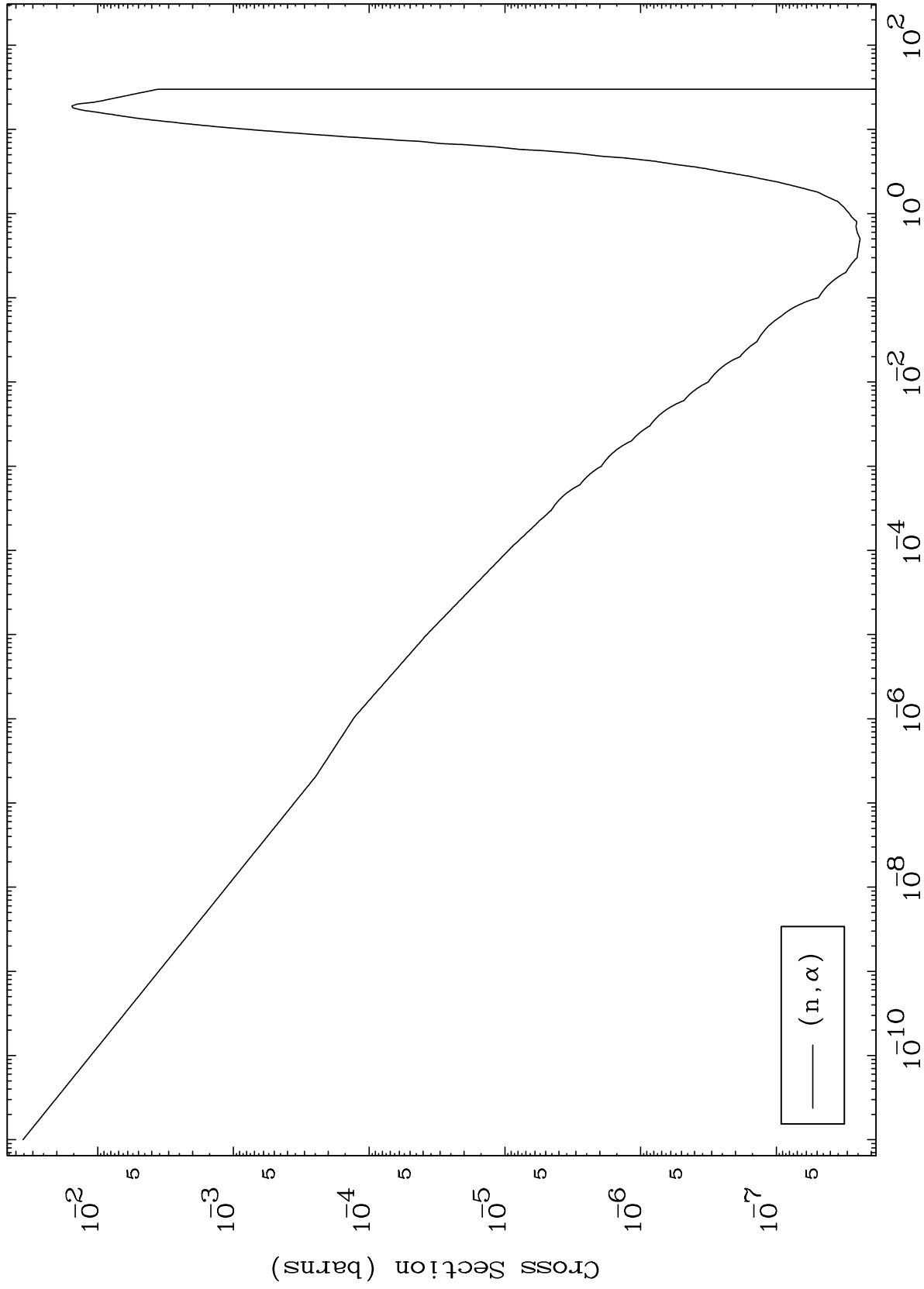
Incident Energy (MeV)

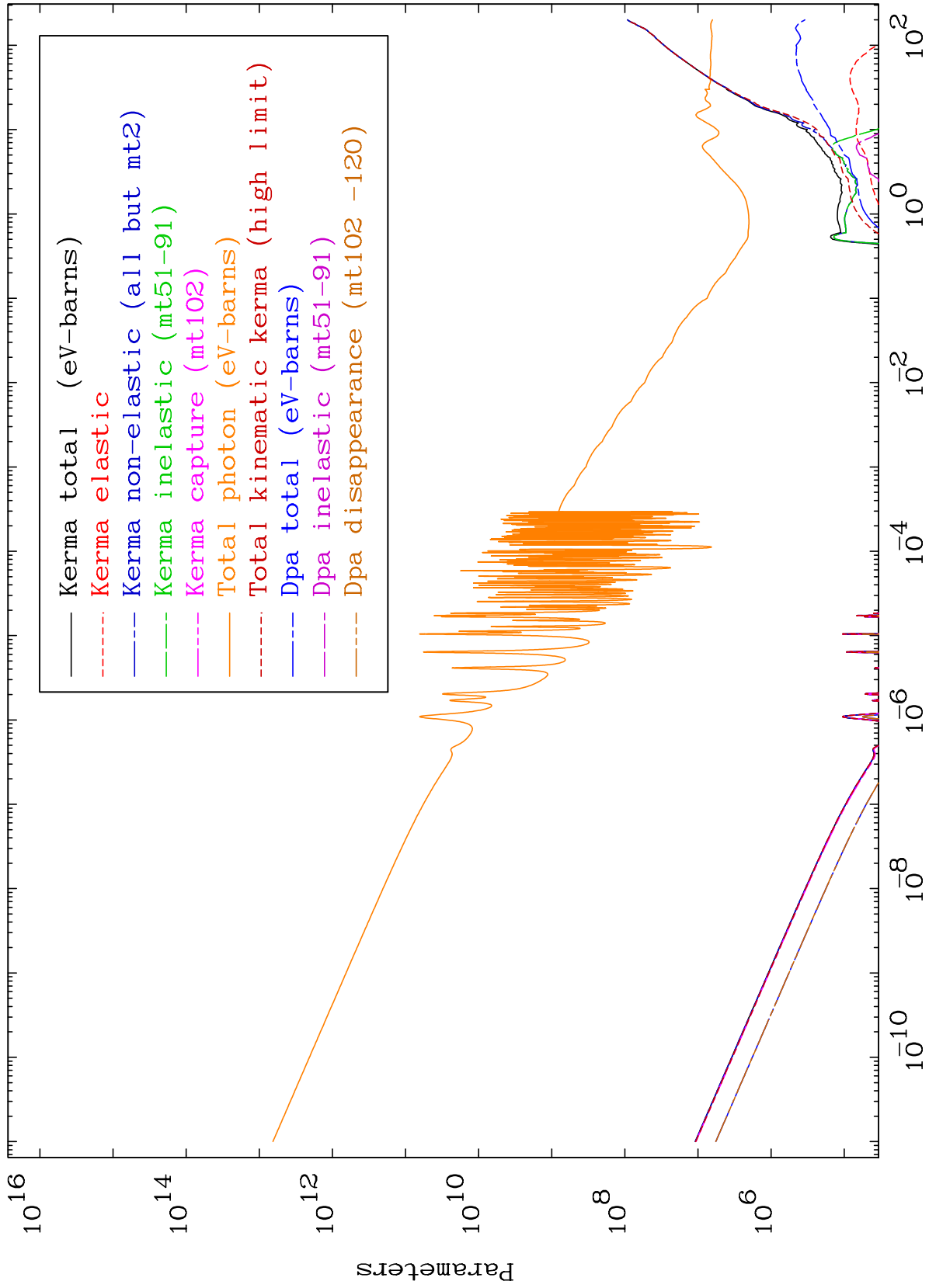
62-Sm-151

MAT 6246

(n,α) Levels
293 Kelvin Cross Sections

62-Sm-151

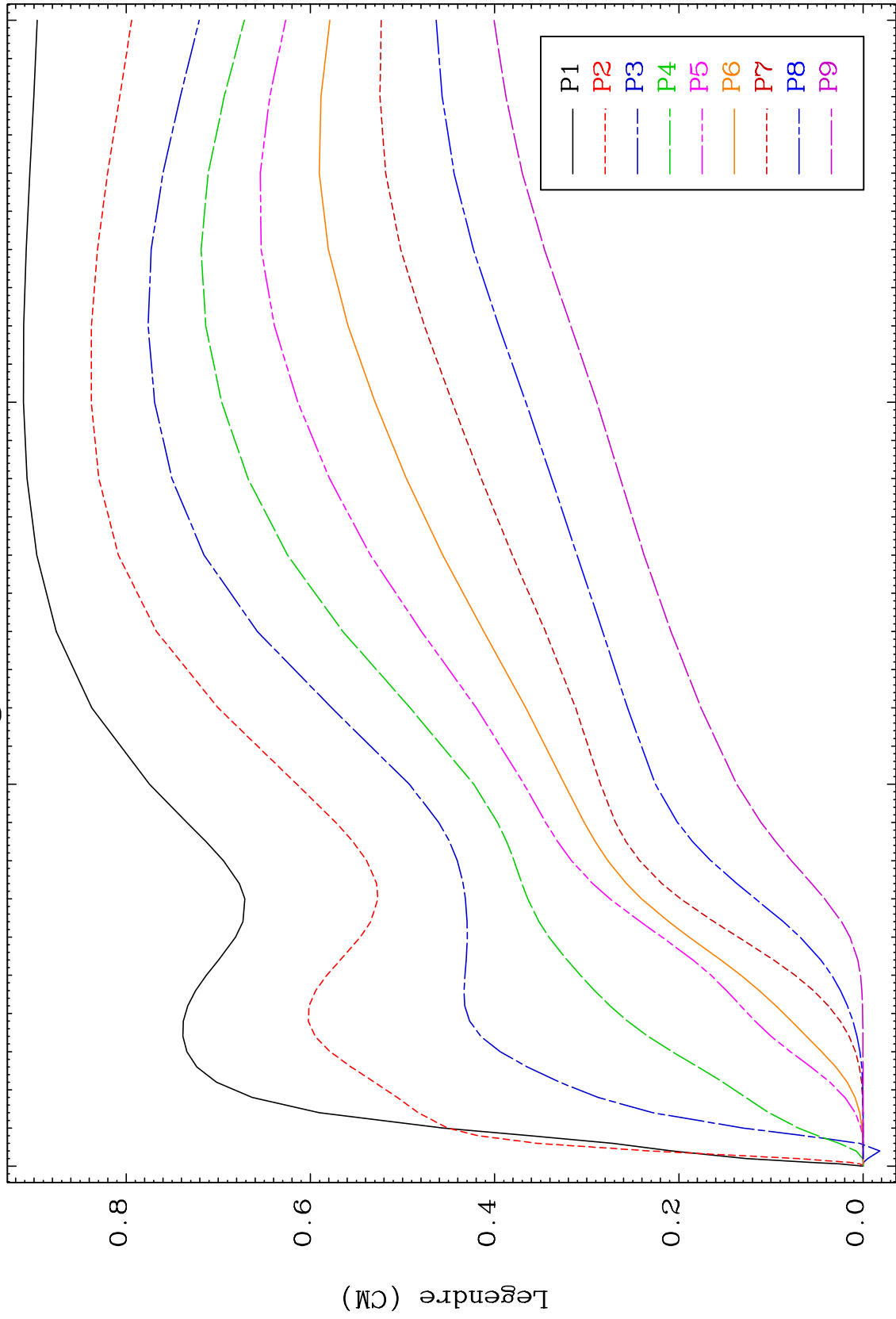




MAT 6246

Elastic Legendre Coefficients

62-Sm-151



0

16

10

20

30

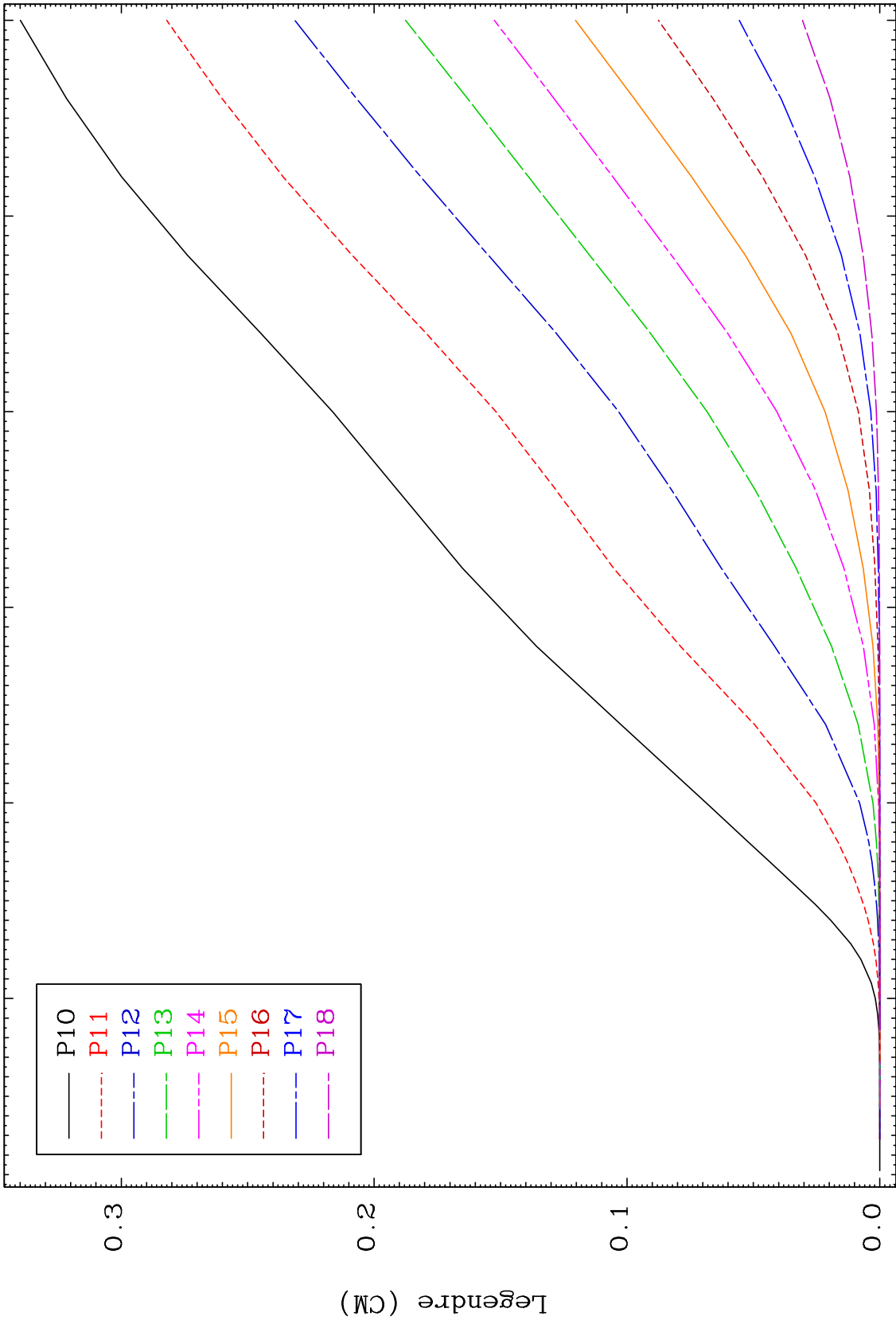
Incident Energy (MeV)

62-Sm-151

MAT 6246

Elastic Legendre Coefficients

62-Sm-151



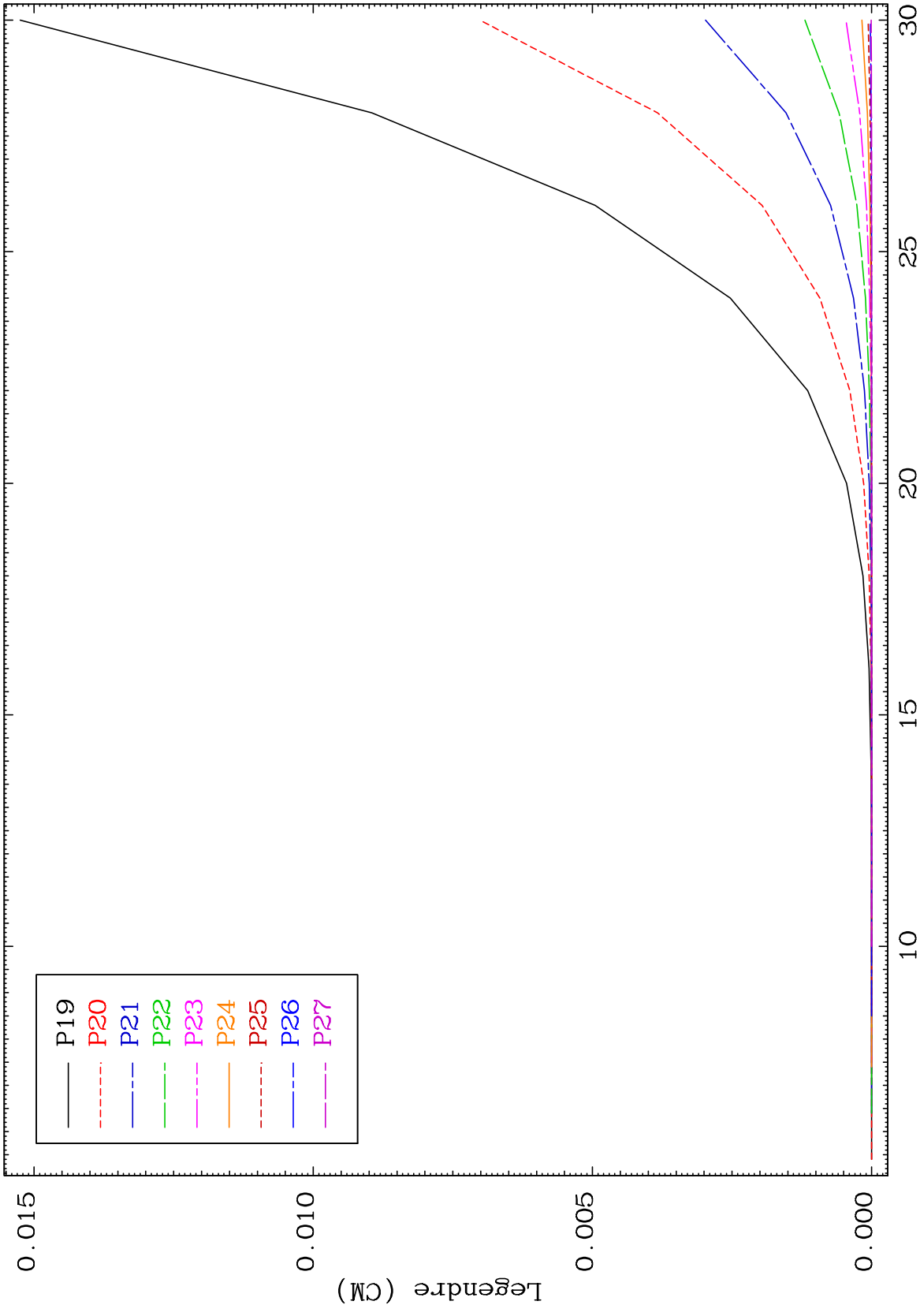
17

62-Sm-151

MAT 6246

Elastic Legendre Coefficients

62-Sm-151



18

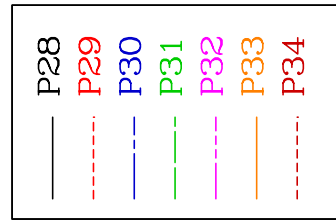
Incident Energy (MeV)

62-Sm-151

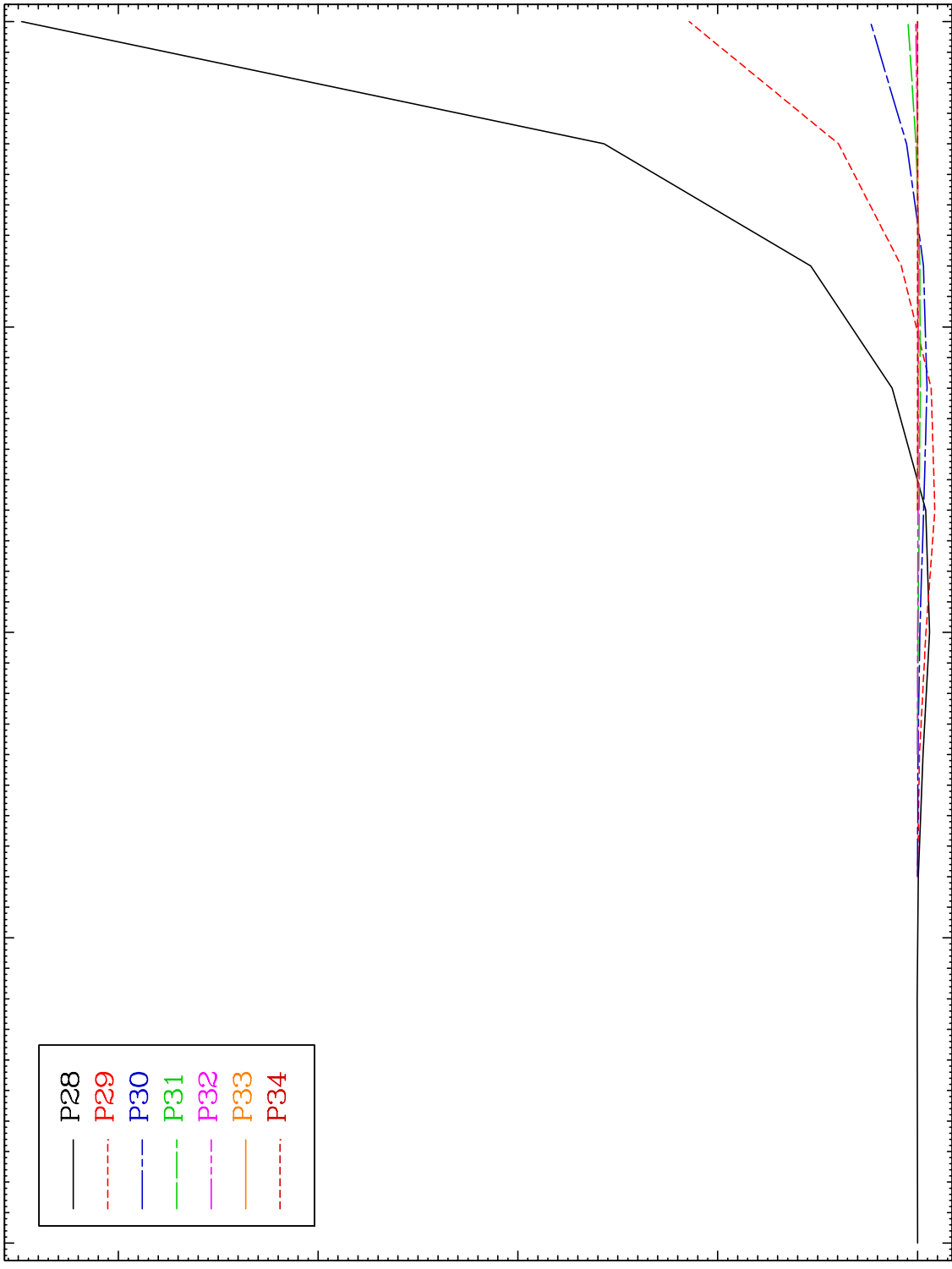
MAT 6246

Elastic Legendre Coefficients

62-Sm-151



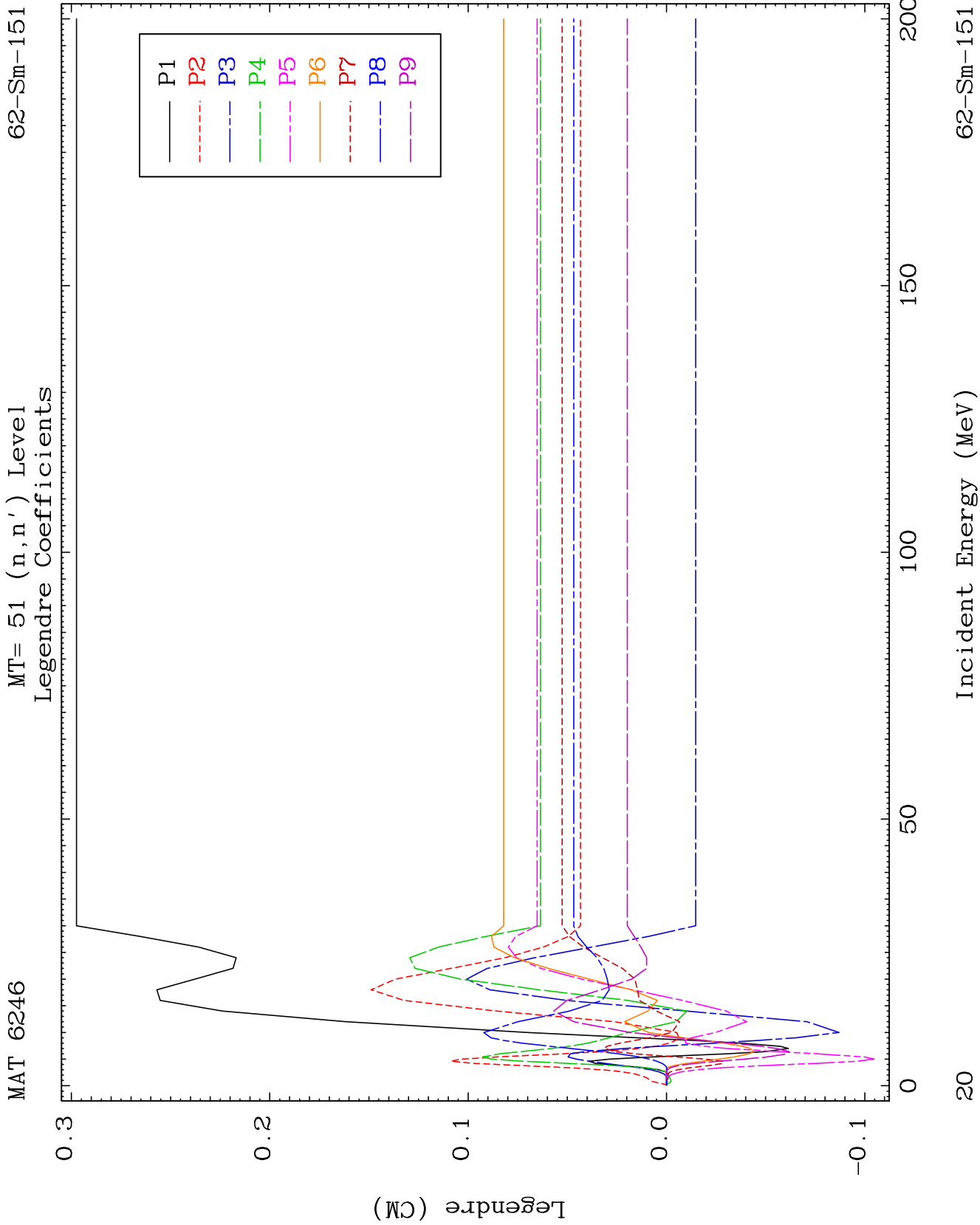
$\times 10^{-6}$
Legendre (CM)



19

Incident Energy (MeV)

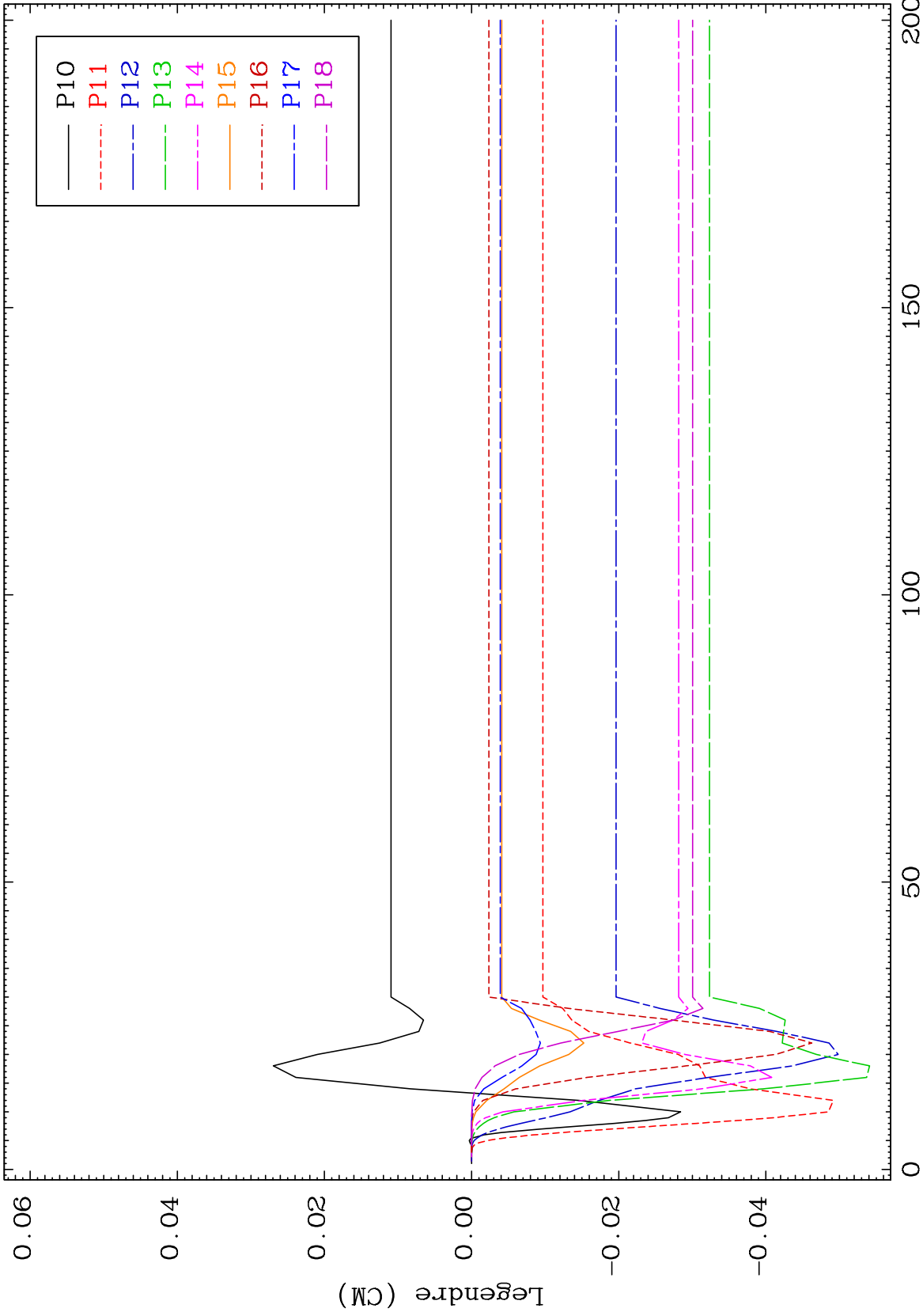
62-Sm-151



MAT 6246

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

62-Sm-151



21

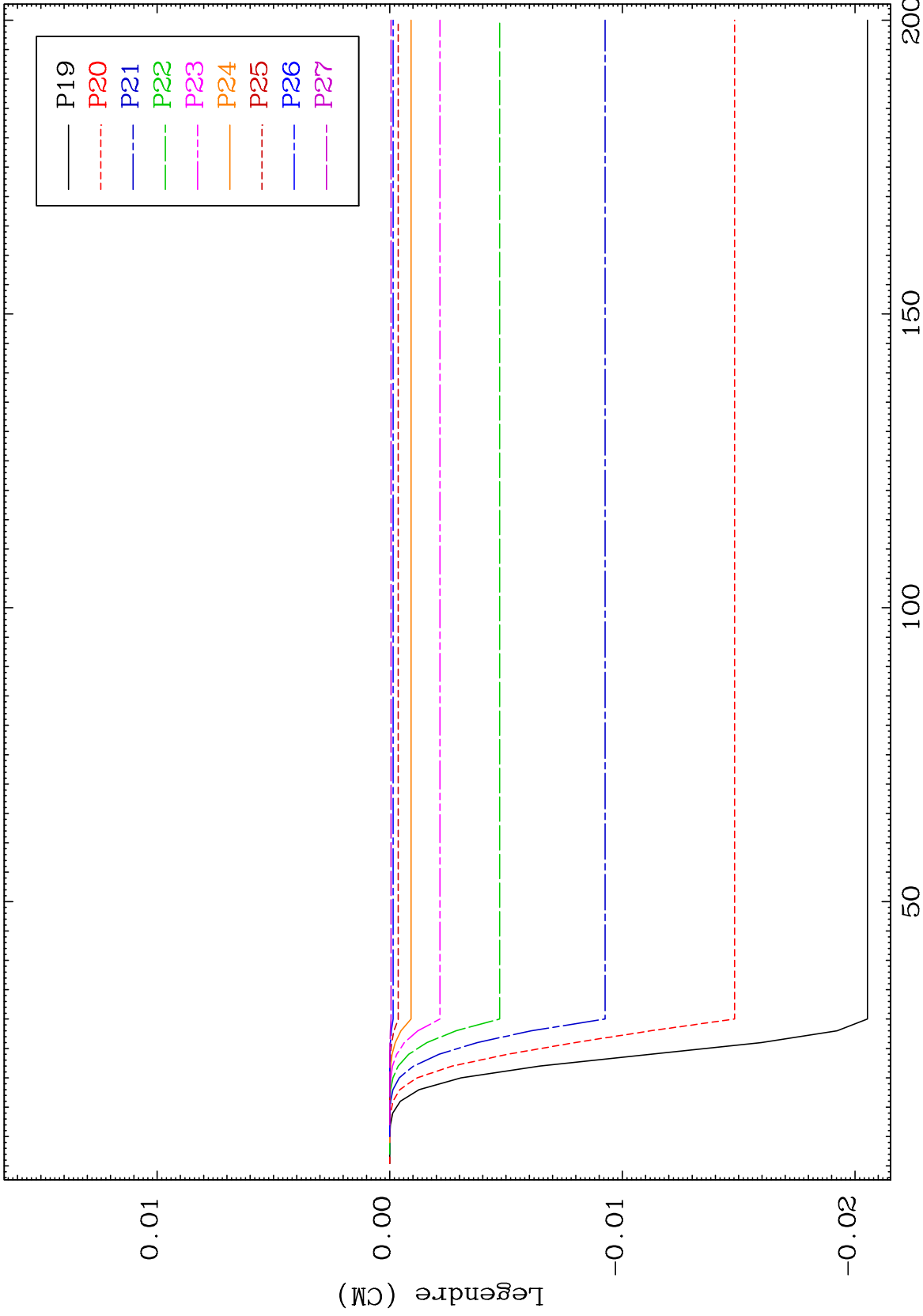
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



22

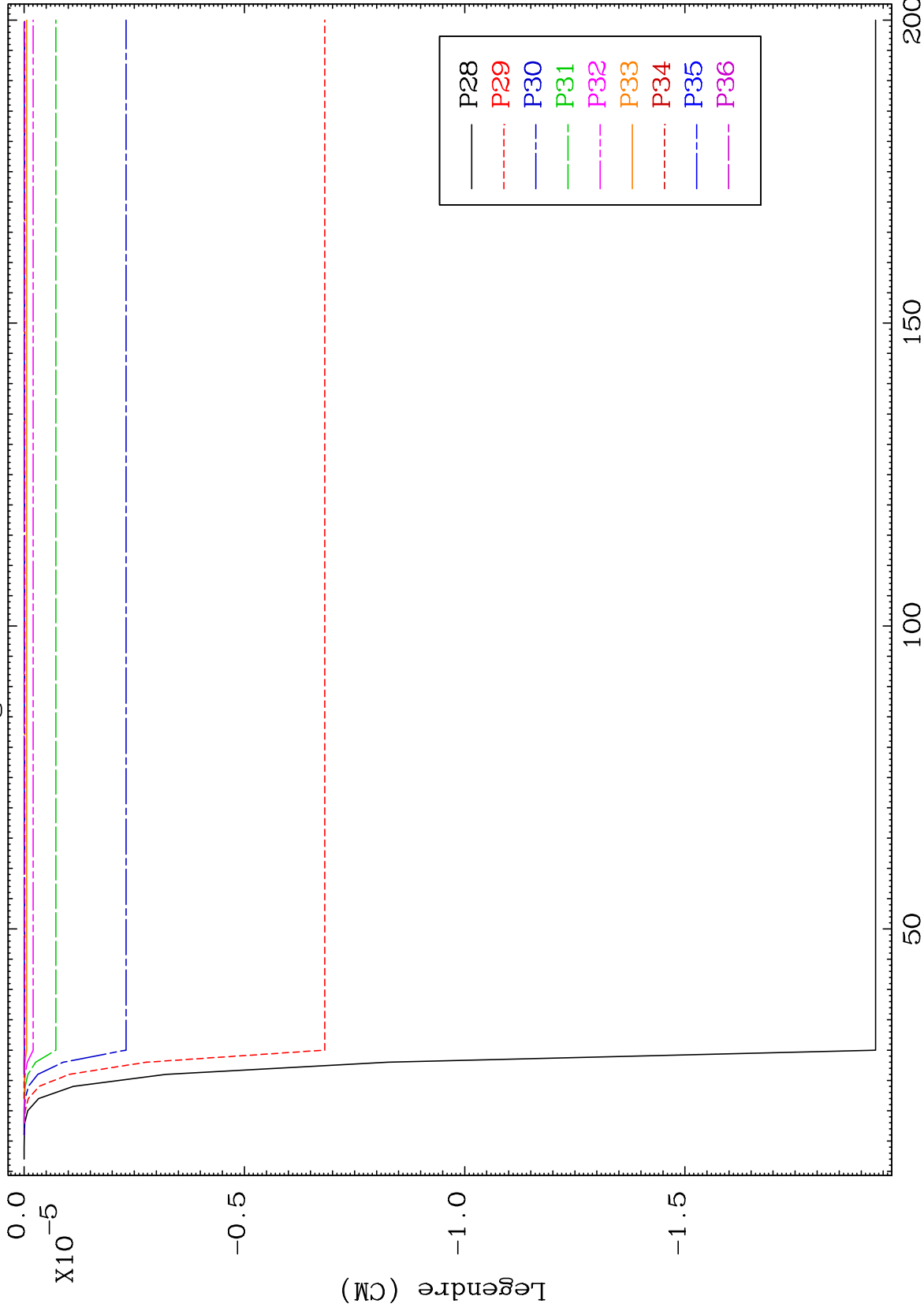
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



62-Sm-151

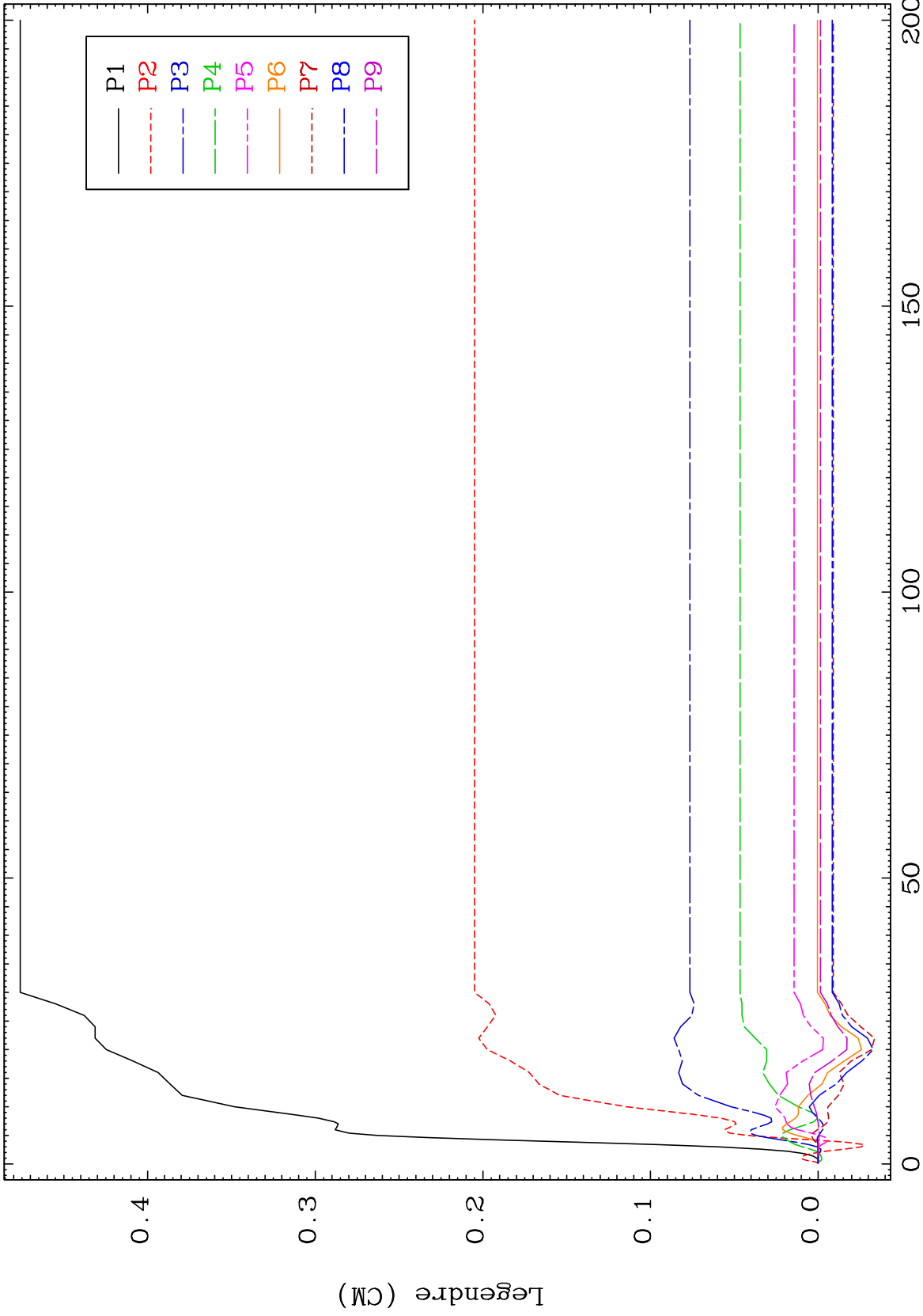
Incident Energy (MeV)

23

MAT 6246

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

62-Sm-151



24

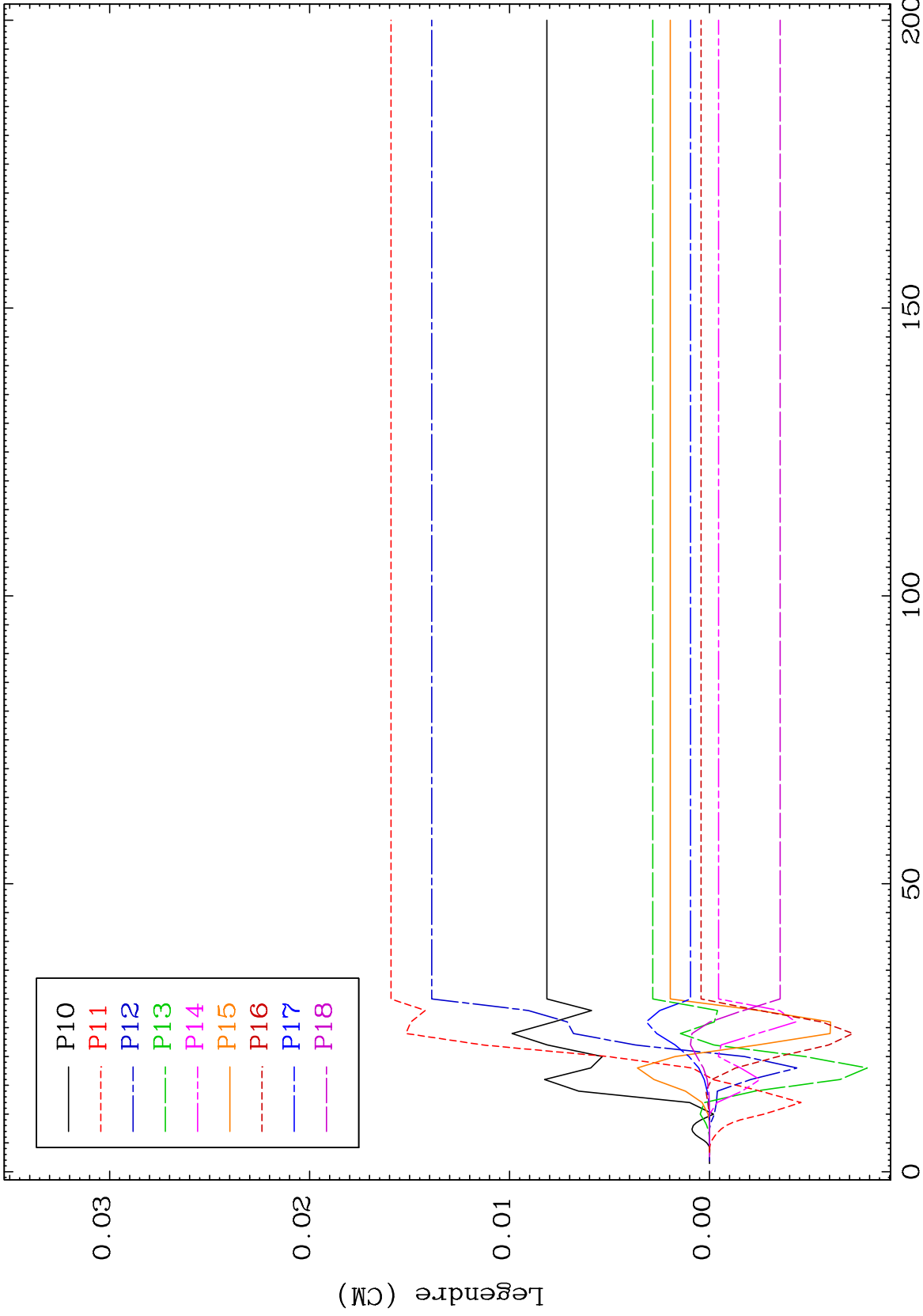
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



25

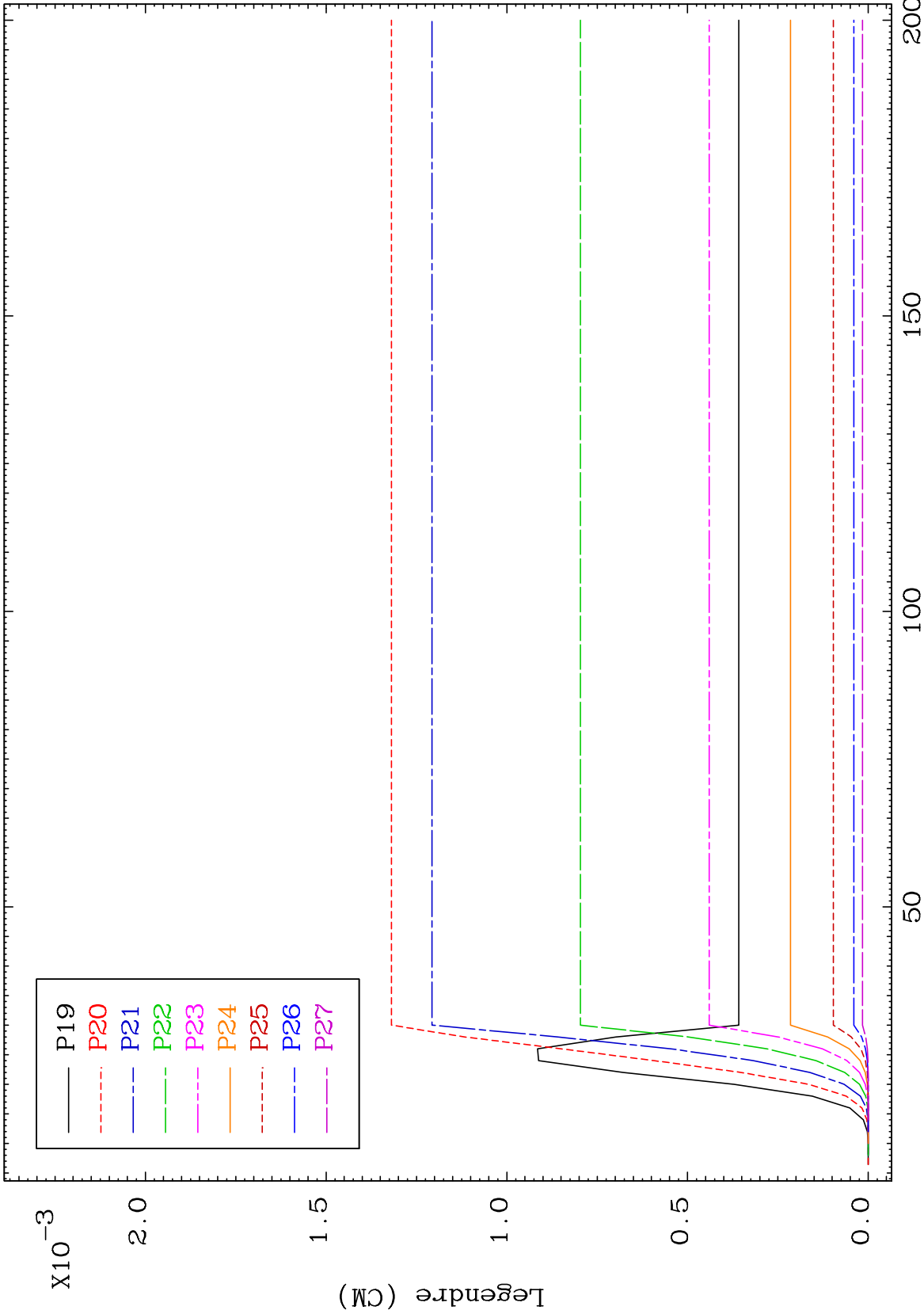
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



26

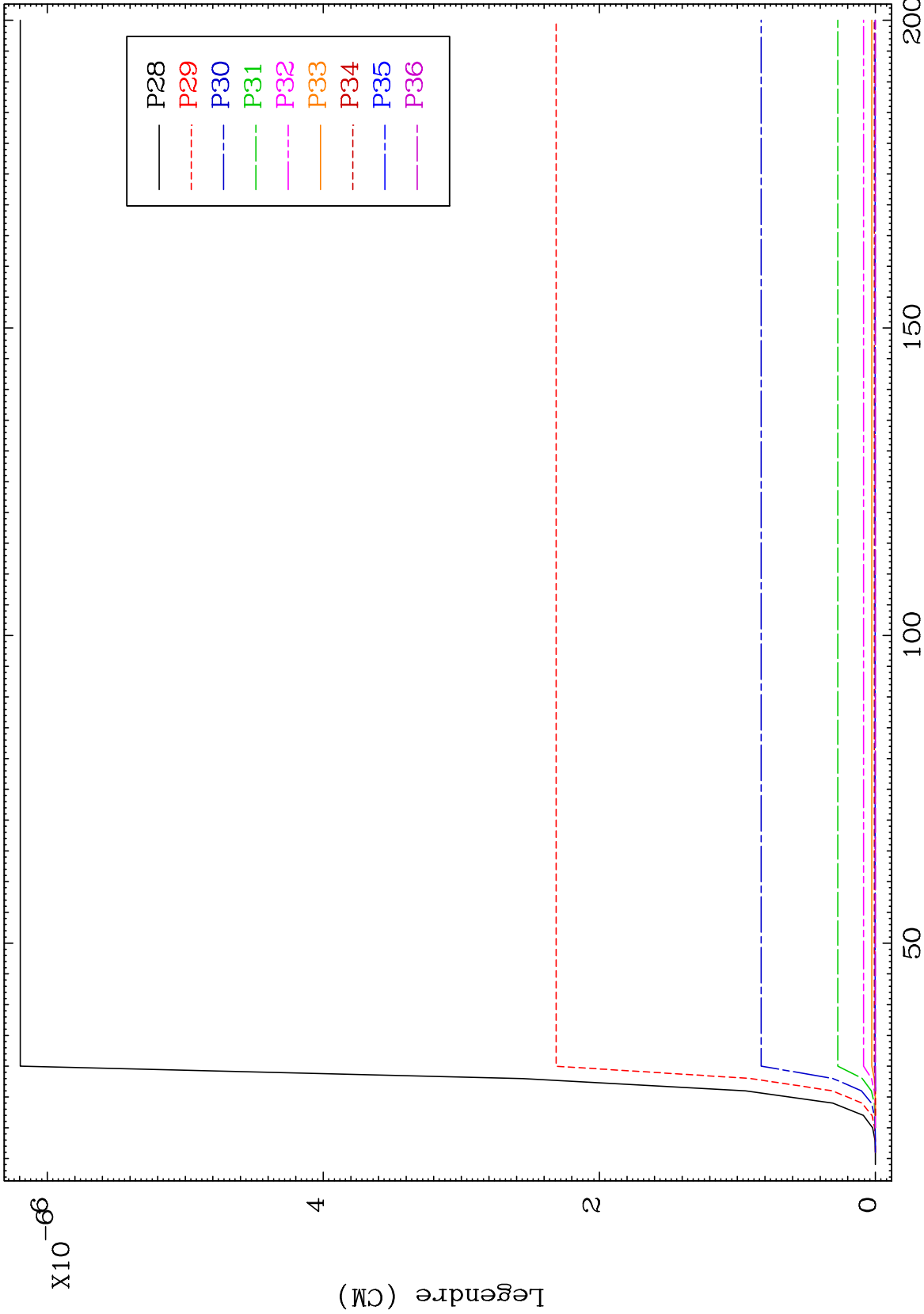
62-Sm-151

62-Sm-151

MAT 6246

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

62-Sm-151



27

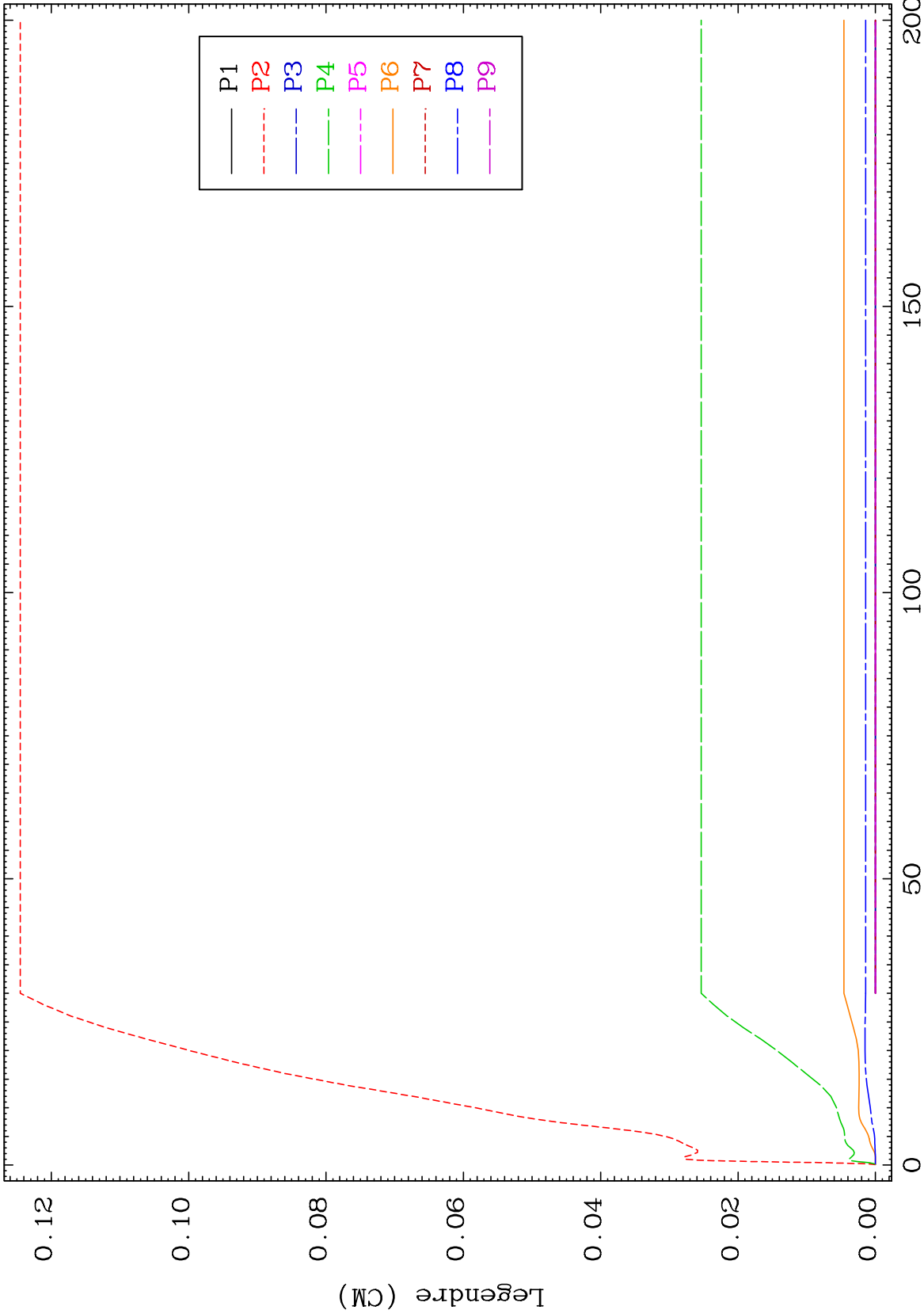
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



28

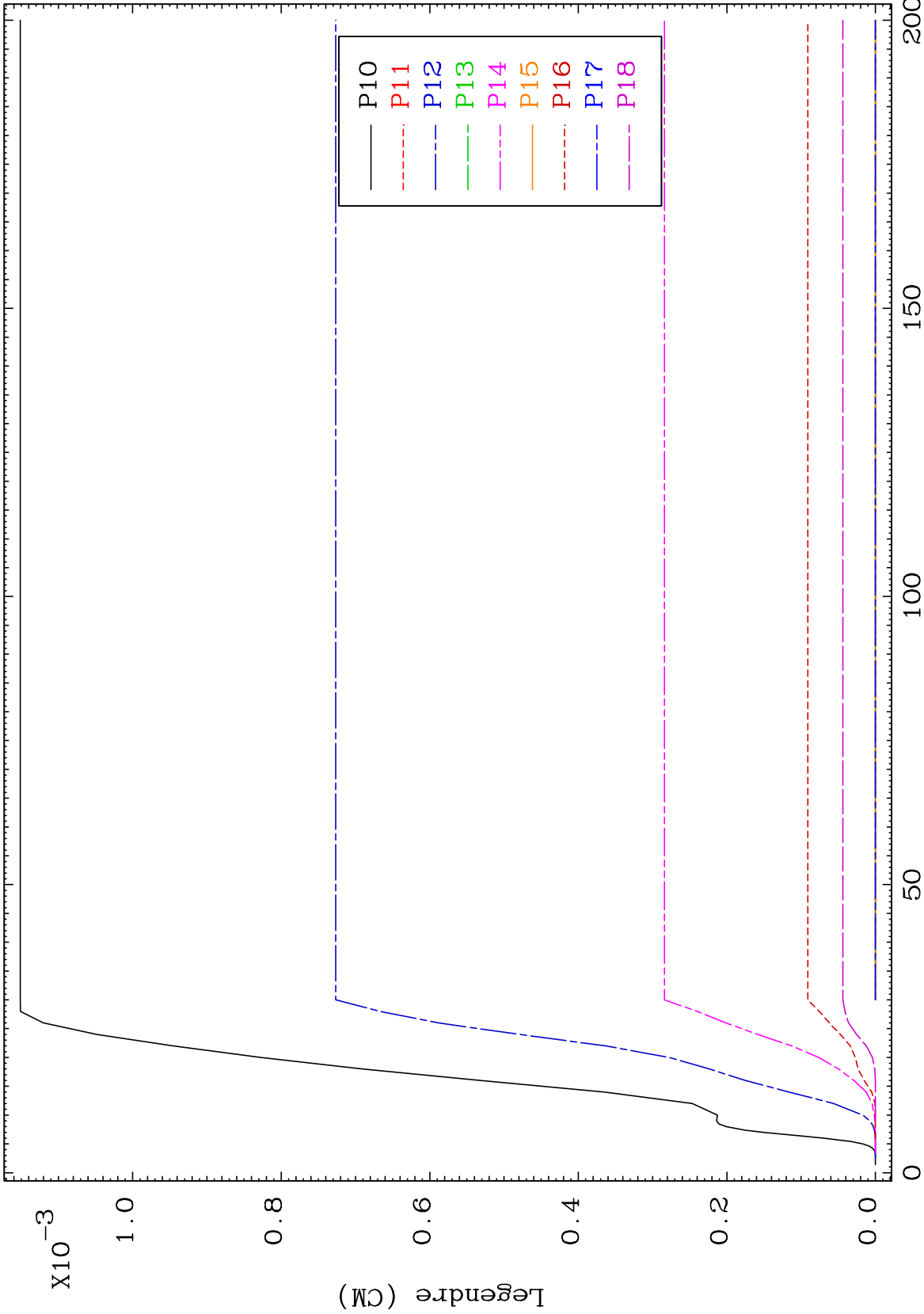
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151

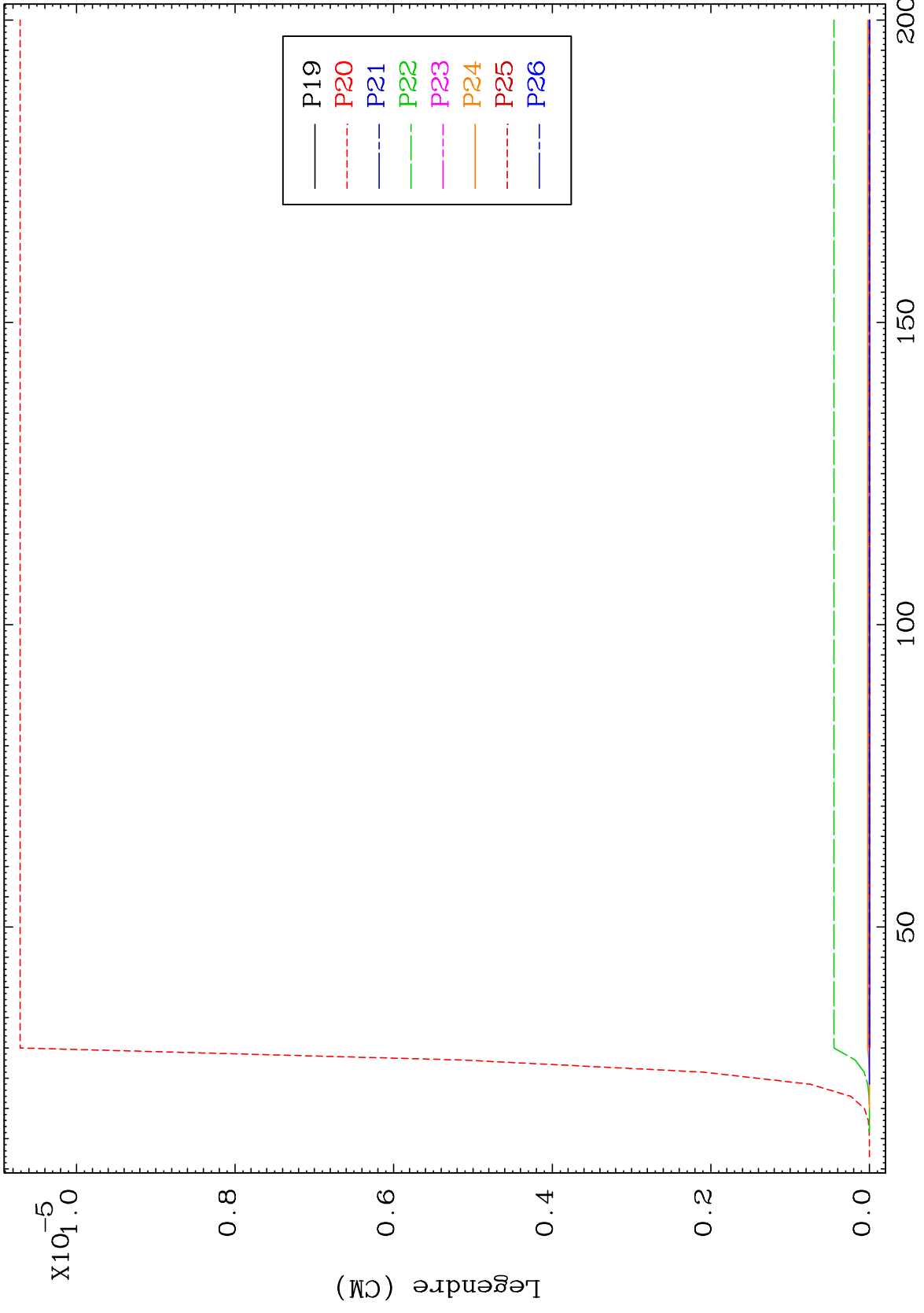


29

Incident Energy (MeV)

62-Sm-151

MAT 6246 MT= 53 (n,n') Level Legendre Coefficients 62-Sm-151

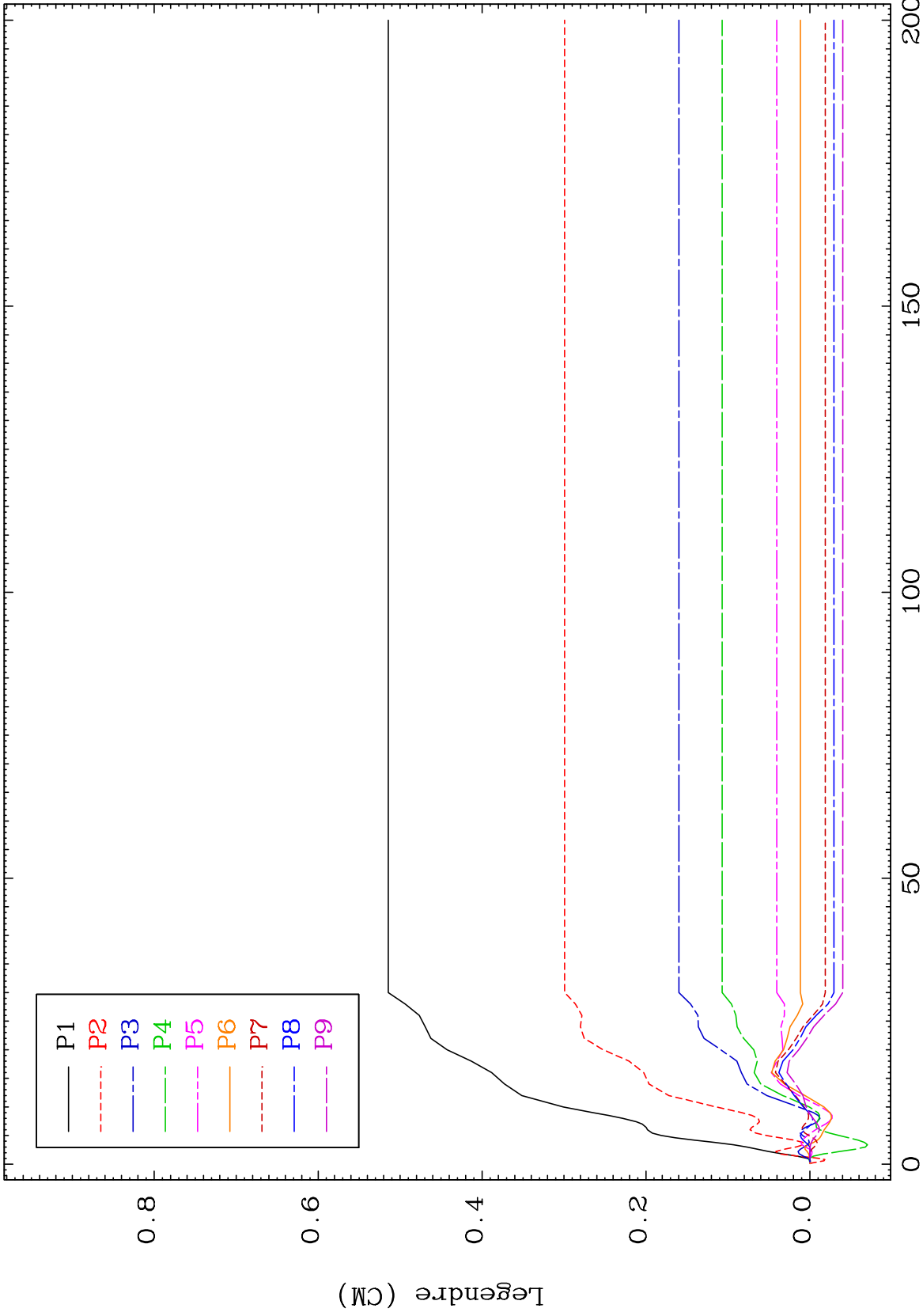


30 50 100 150 200 Incident Energy (MeV) 62-Sm-151

MAT 6246

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

62-Sm-151



31

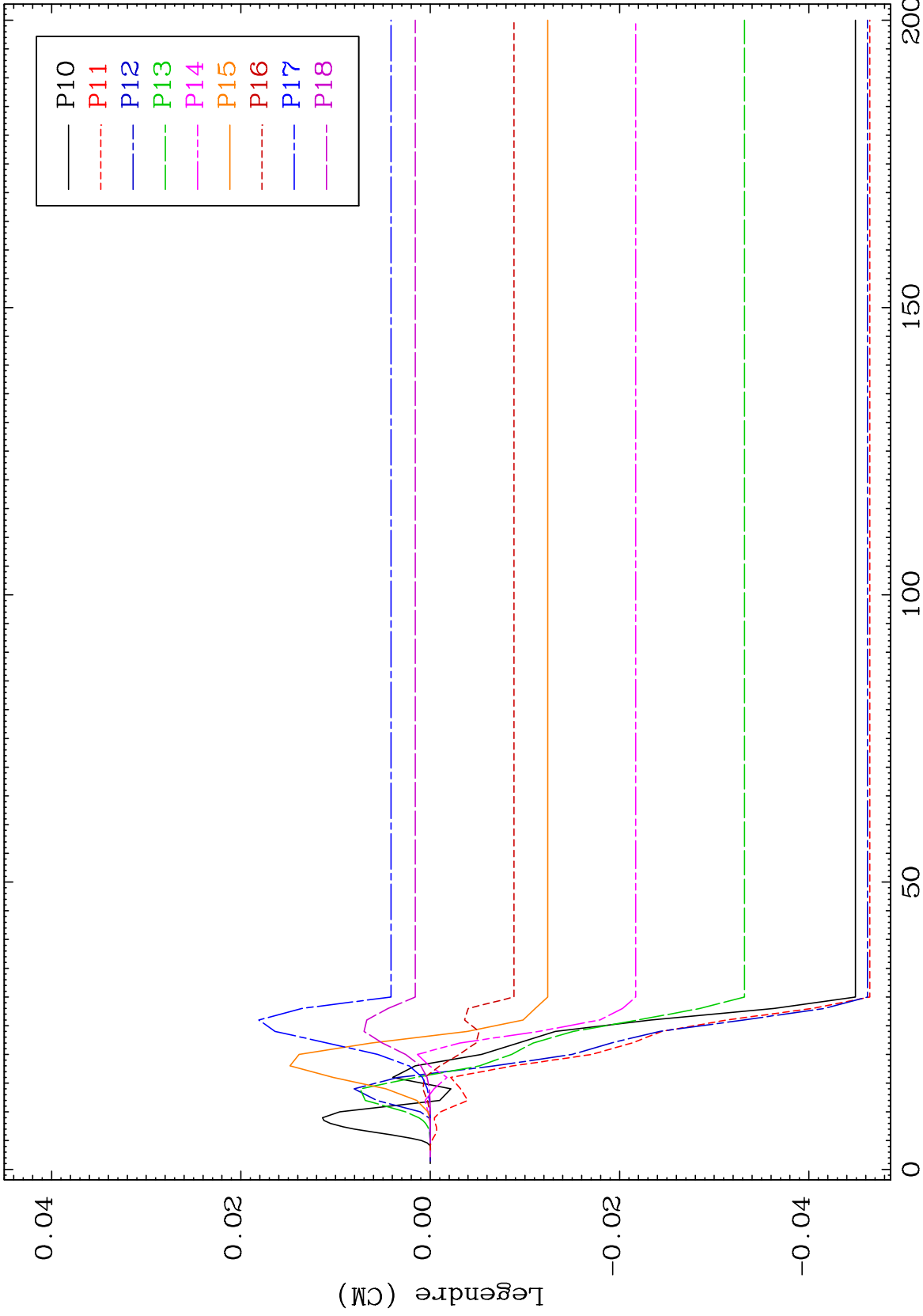
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



32

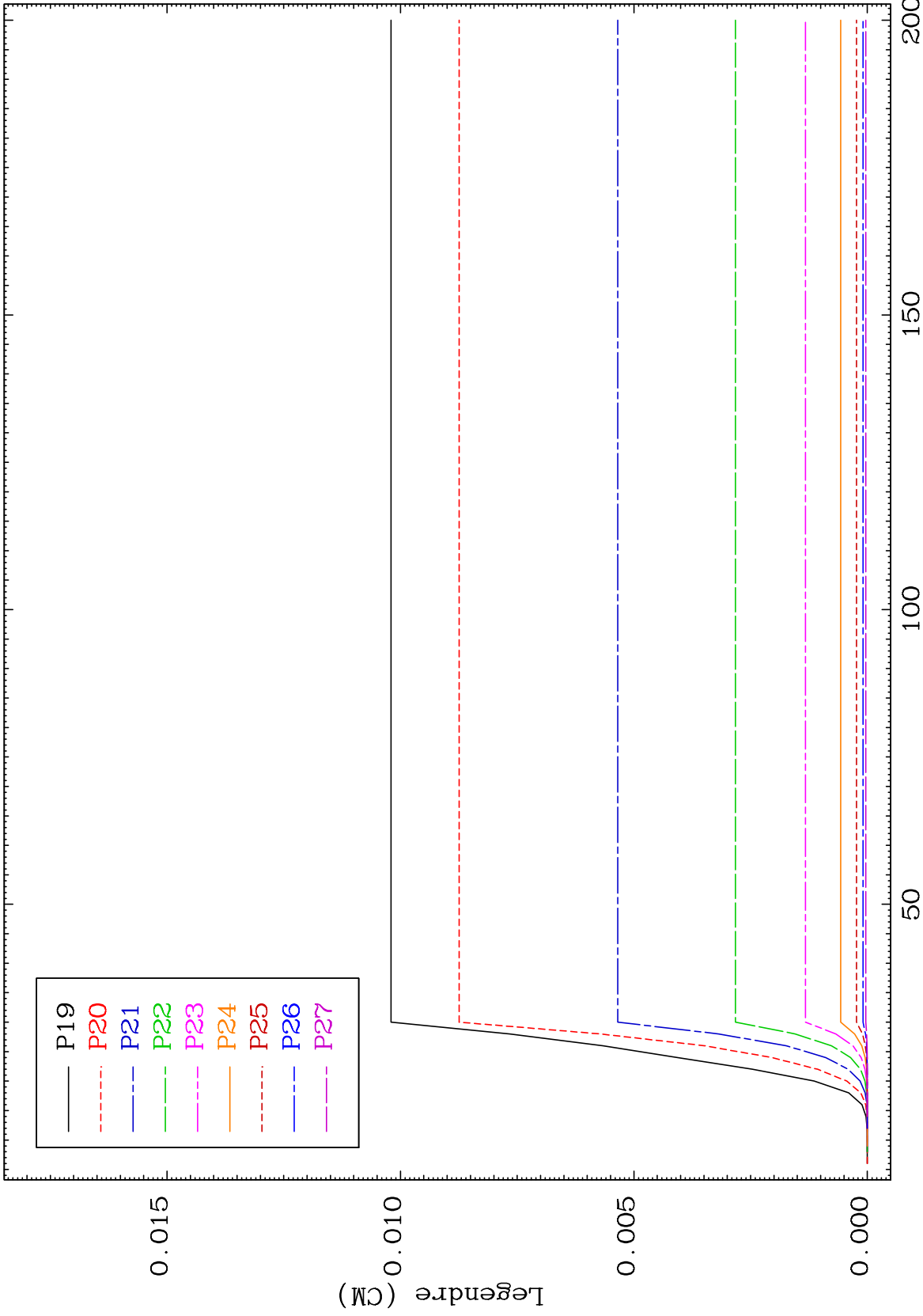
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



33

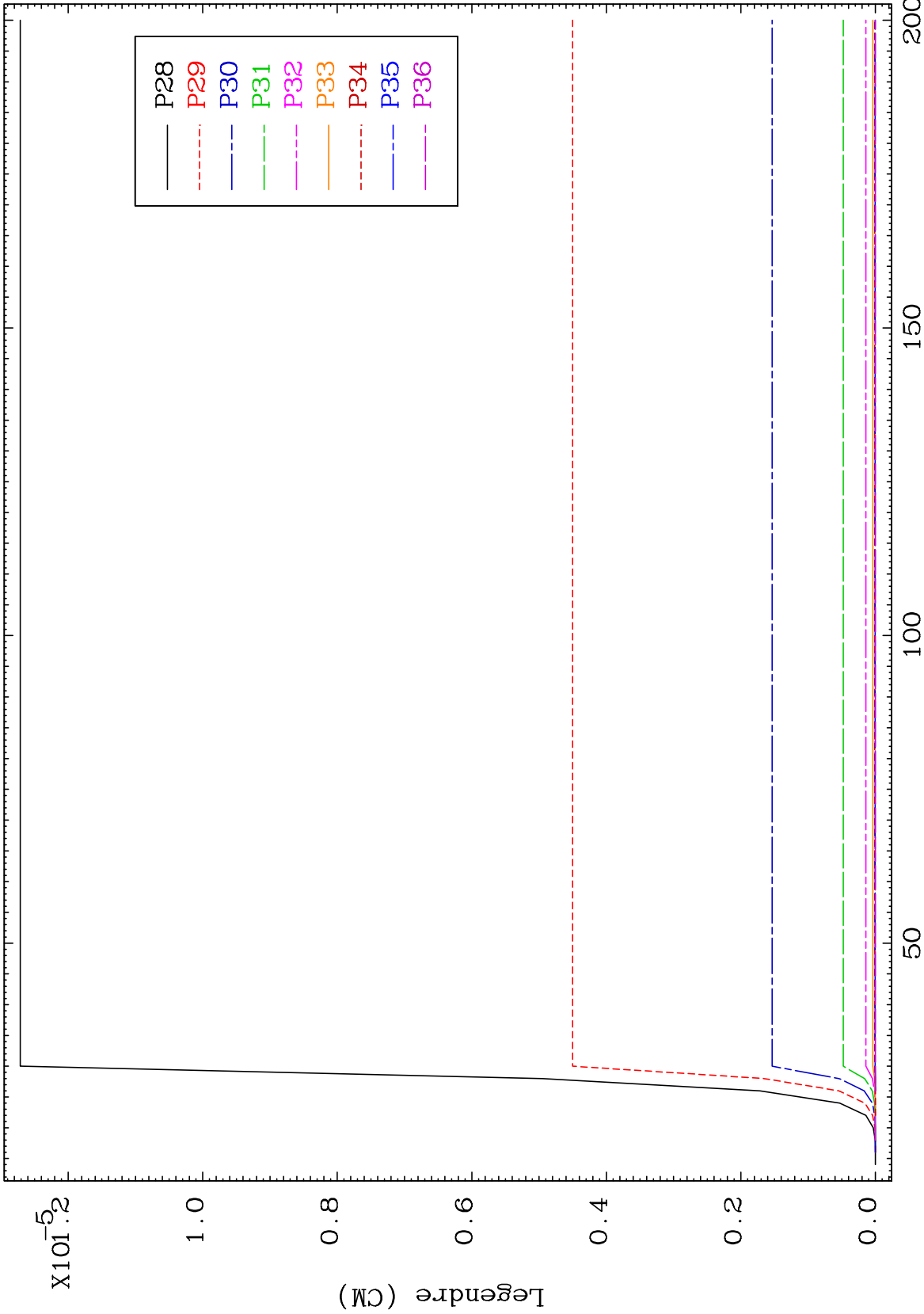
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



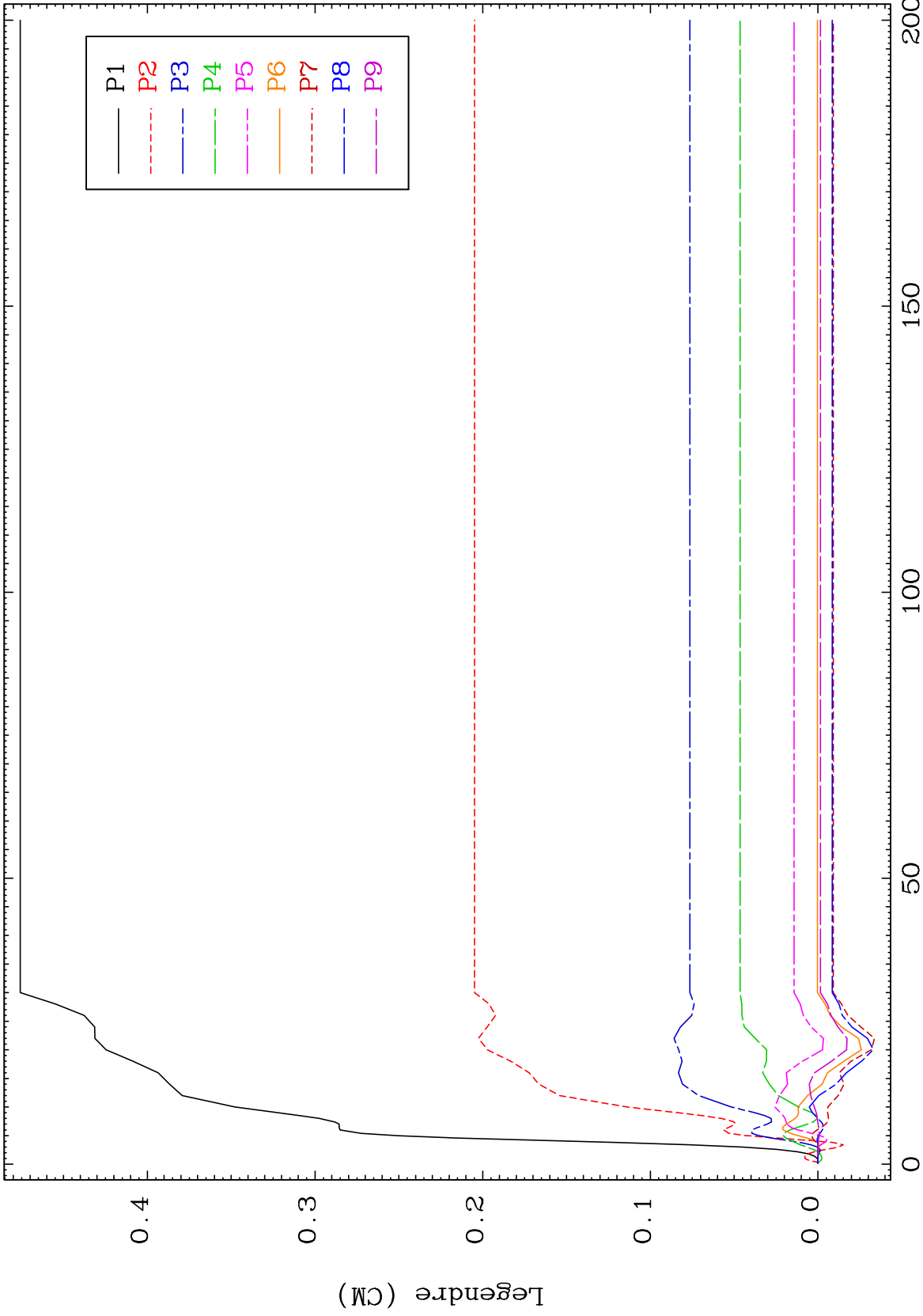
34

62-Sm-151

MAT 6246

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

62-Sm-151



35

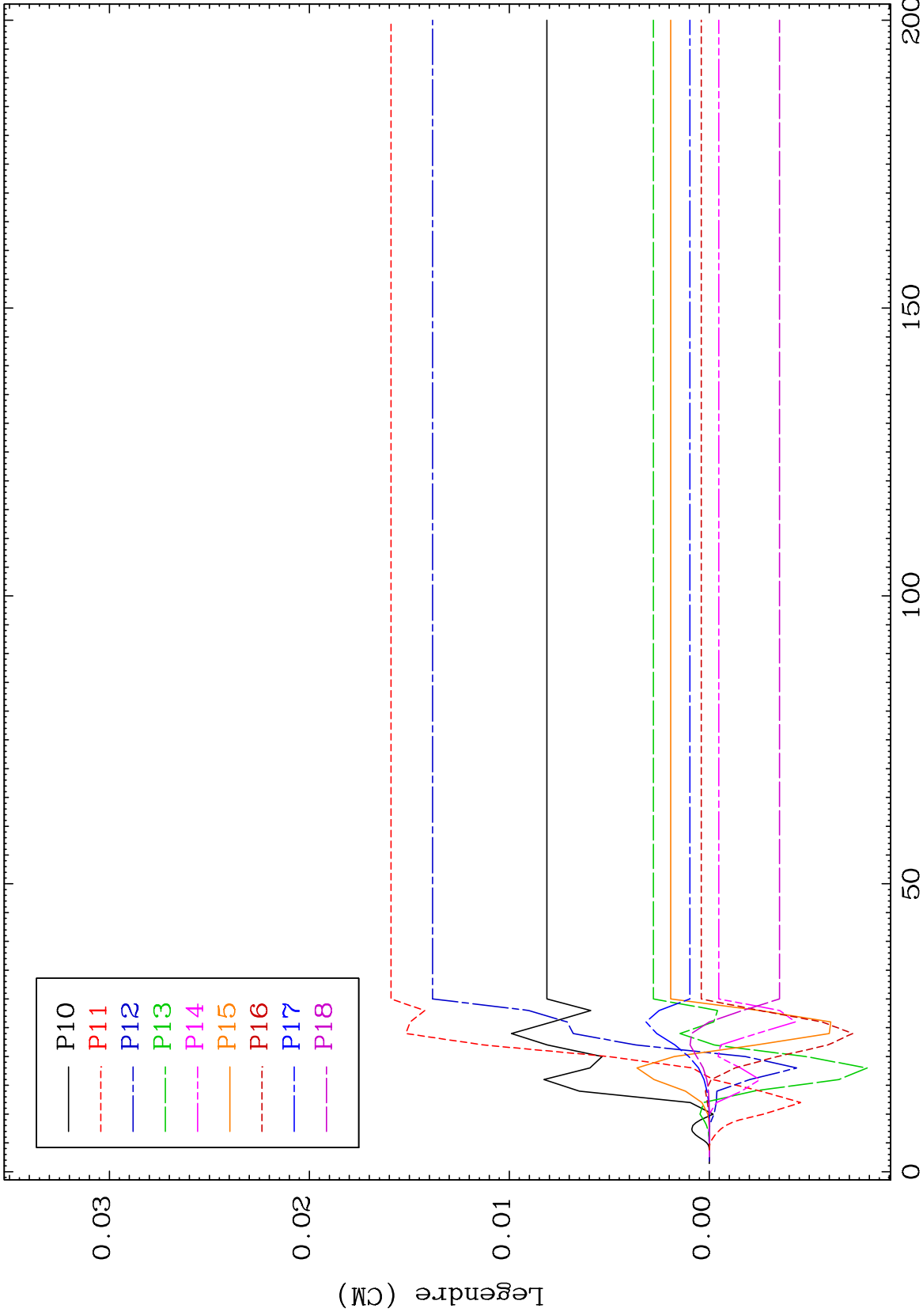
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



36

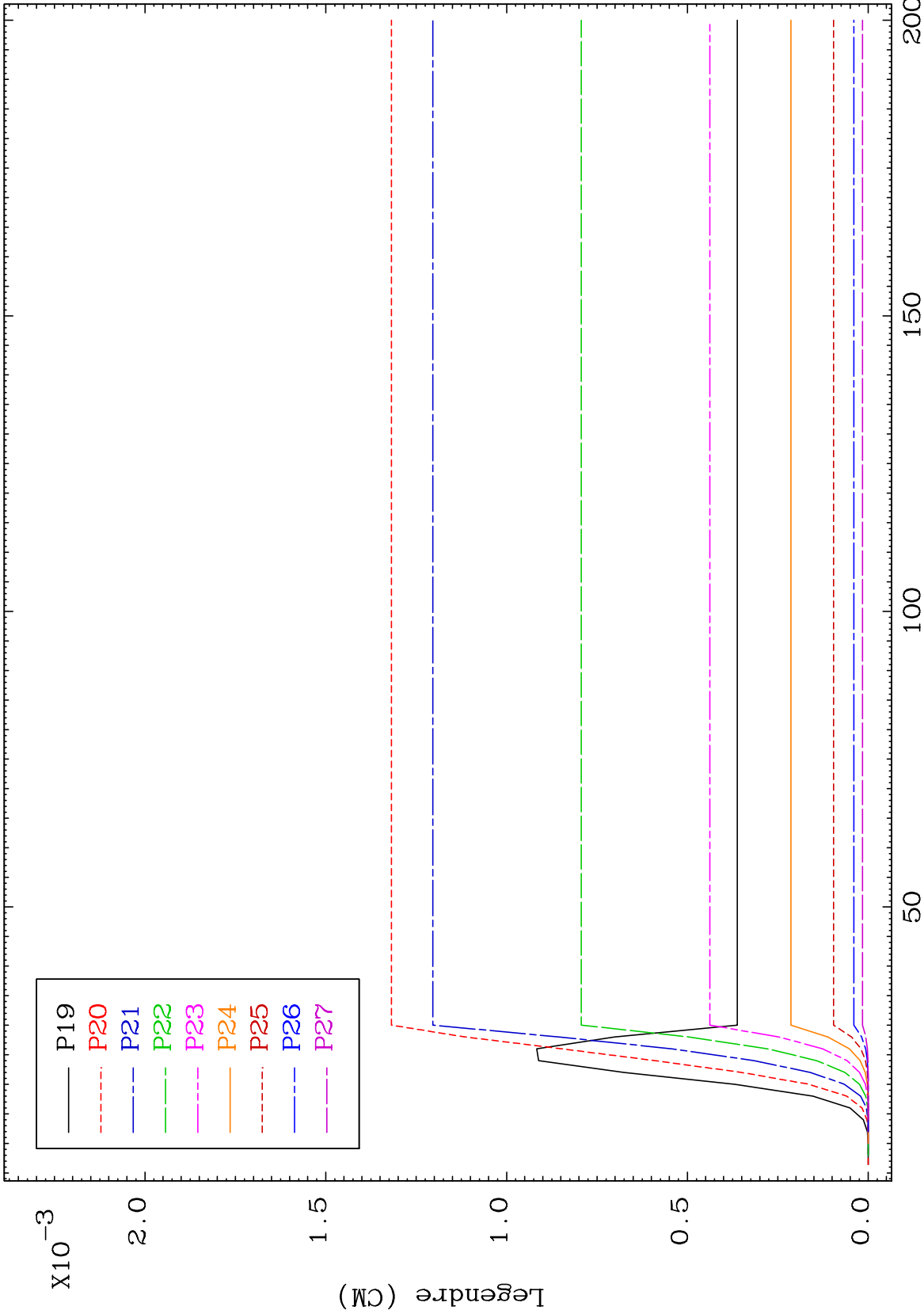
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



37

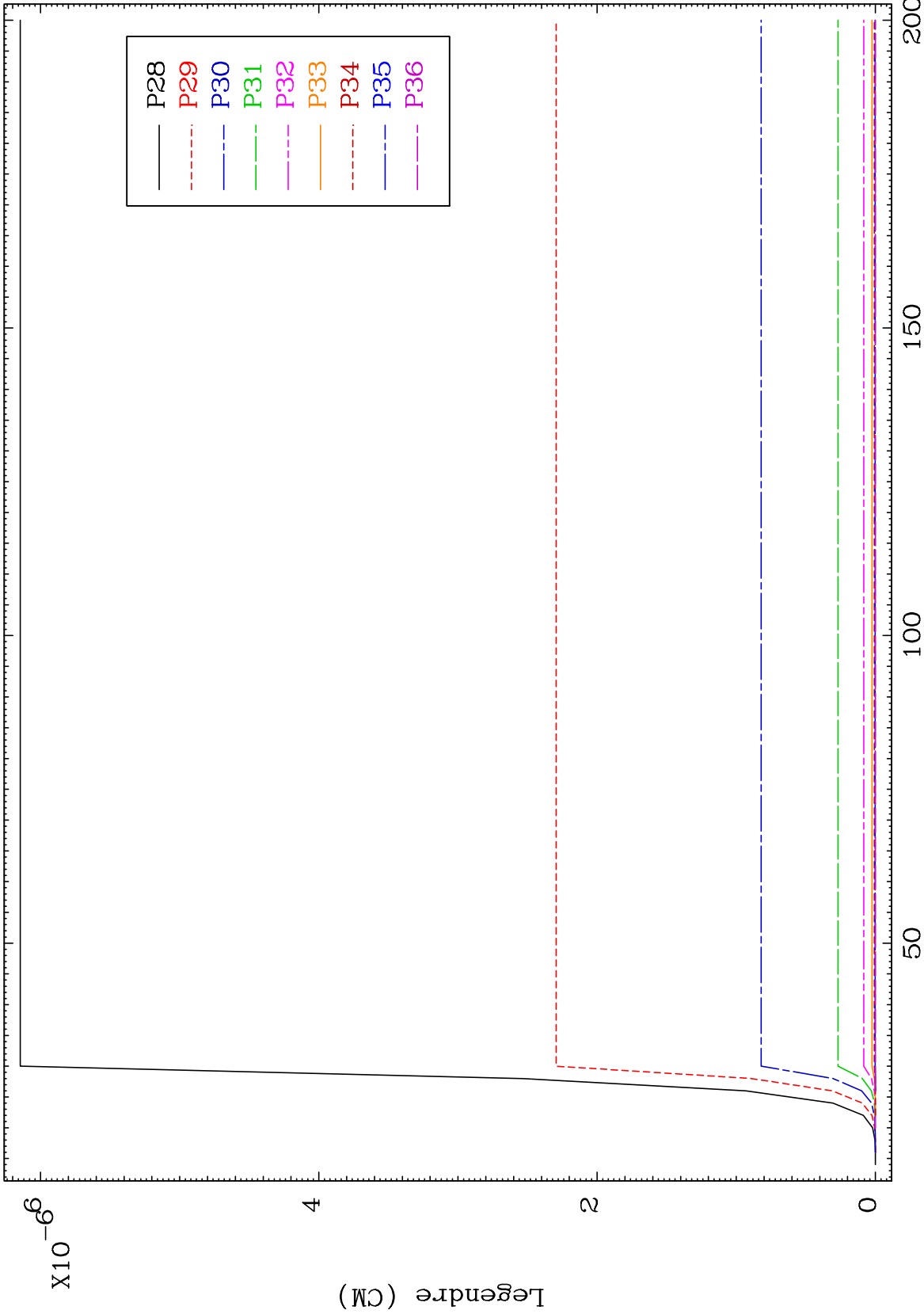
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



38

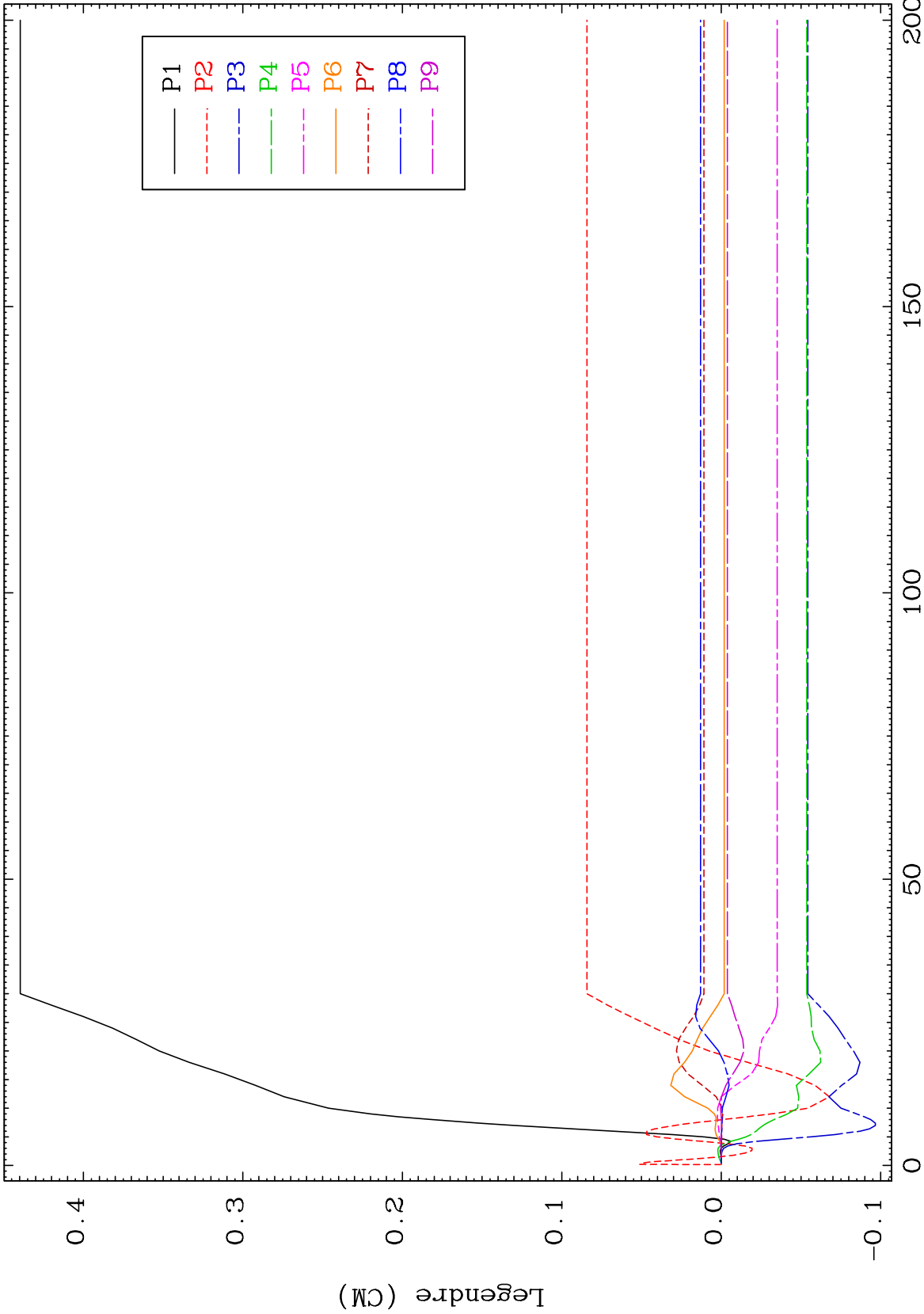
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



39

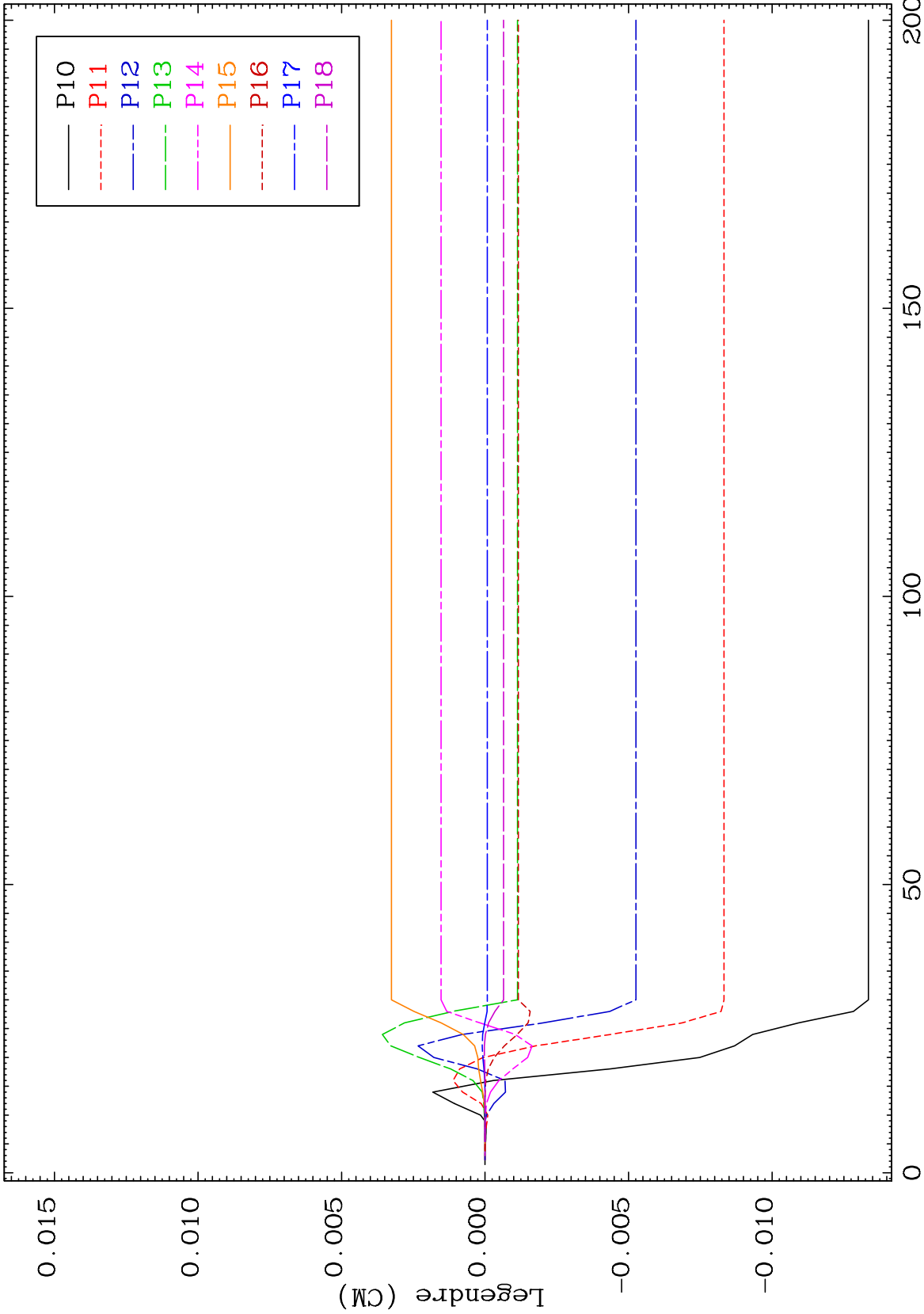
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



40

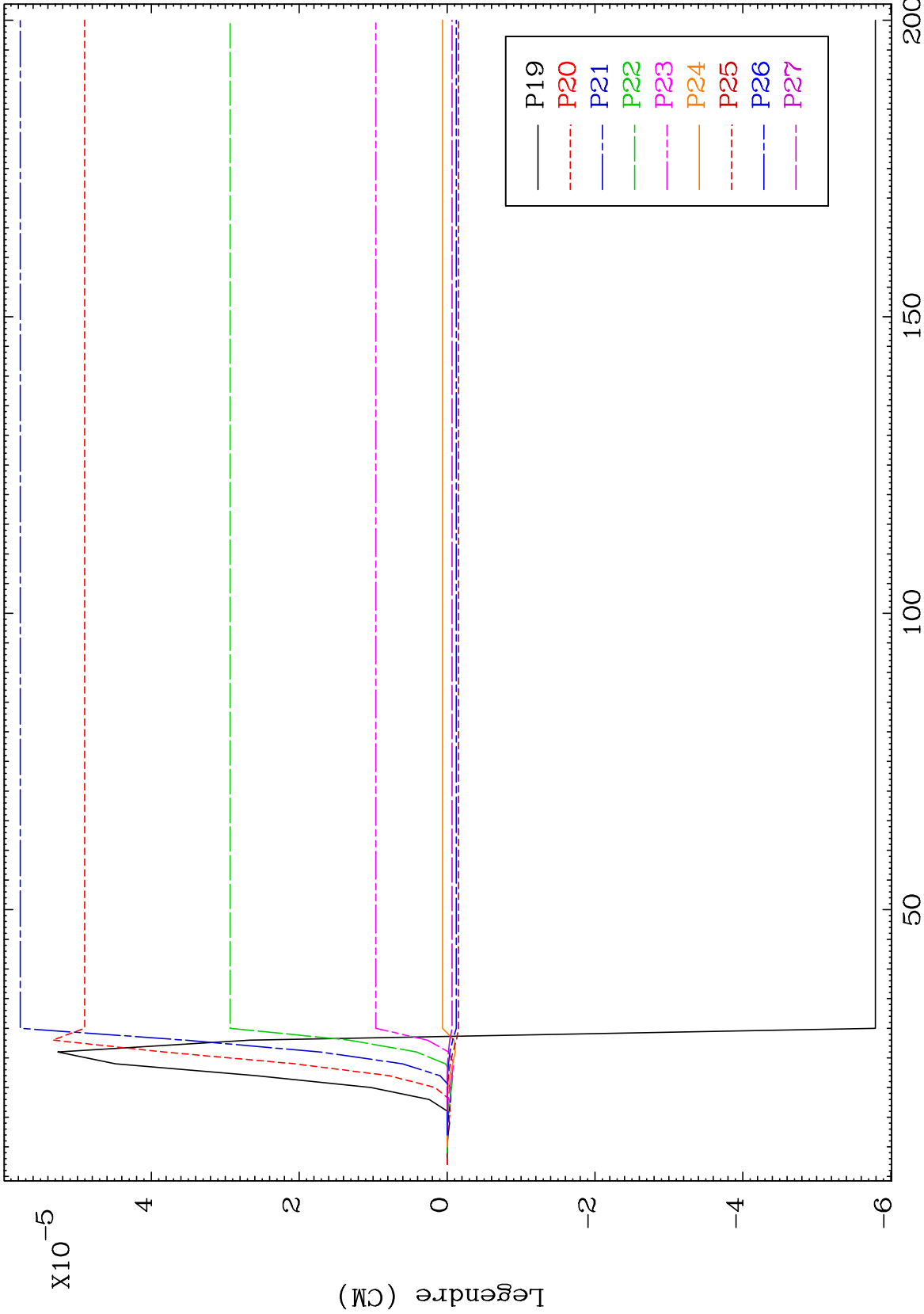
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



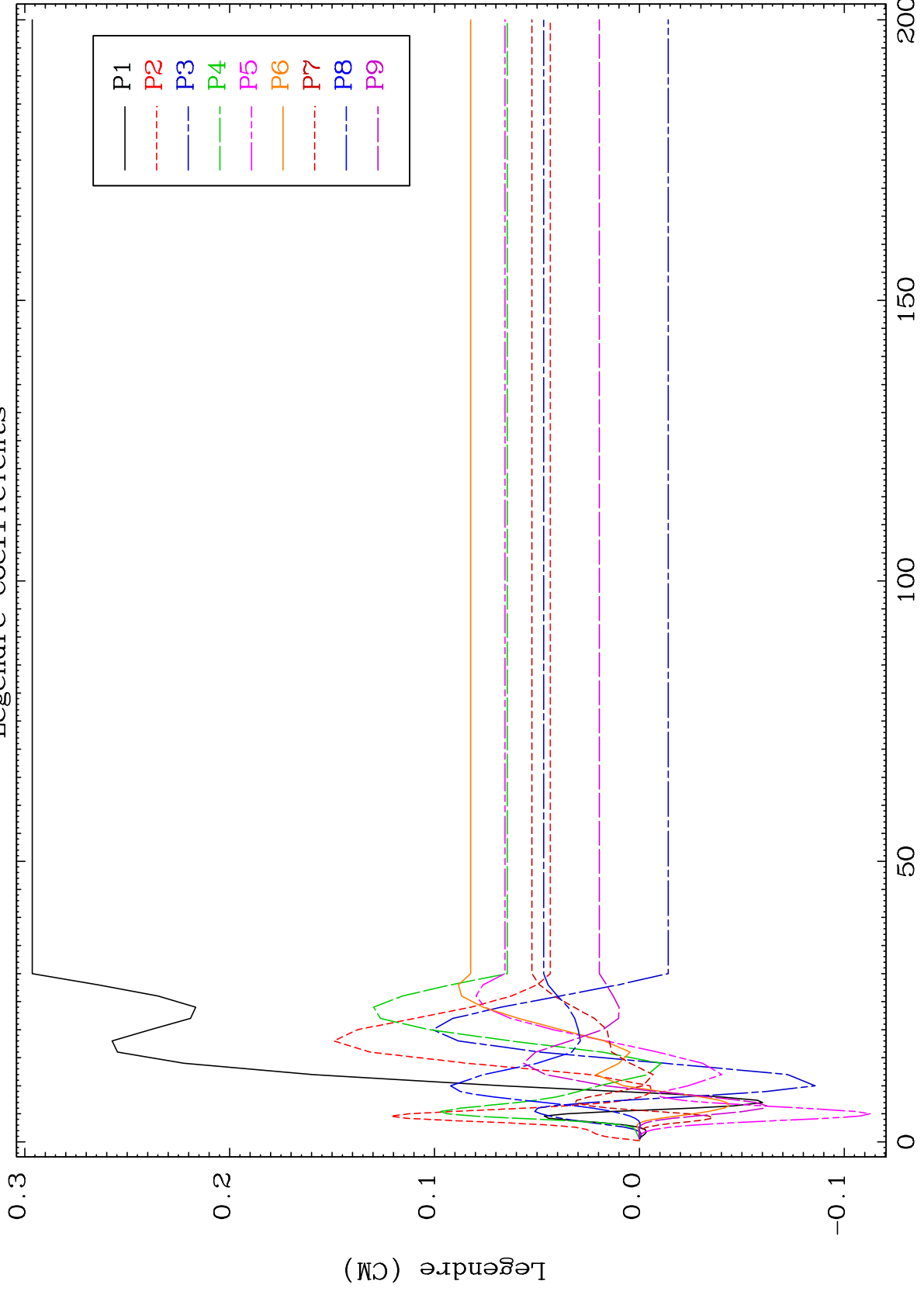
41

62-Sm-151

MAT 6246

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

62-Sm-151



43

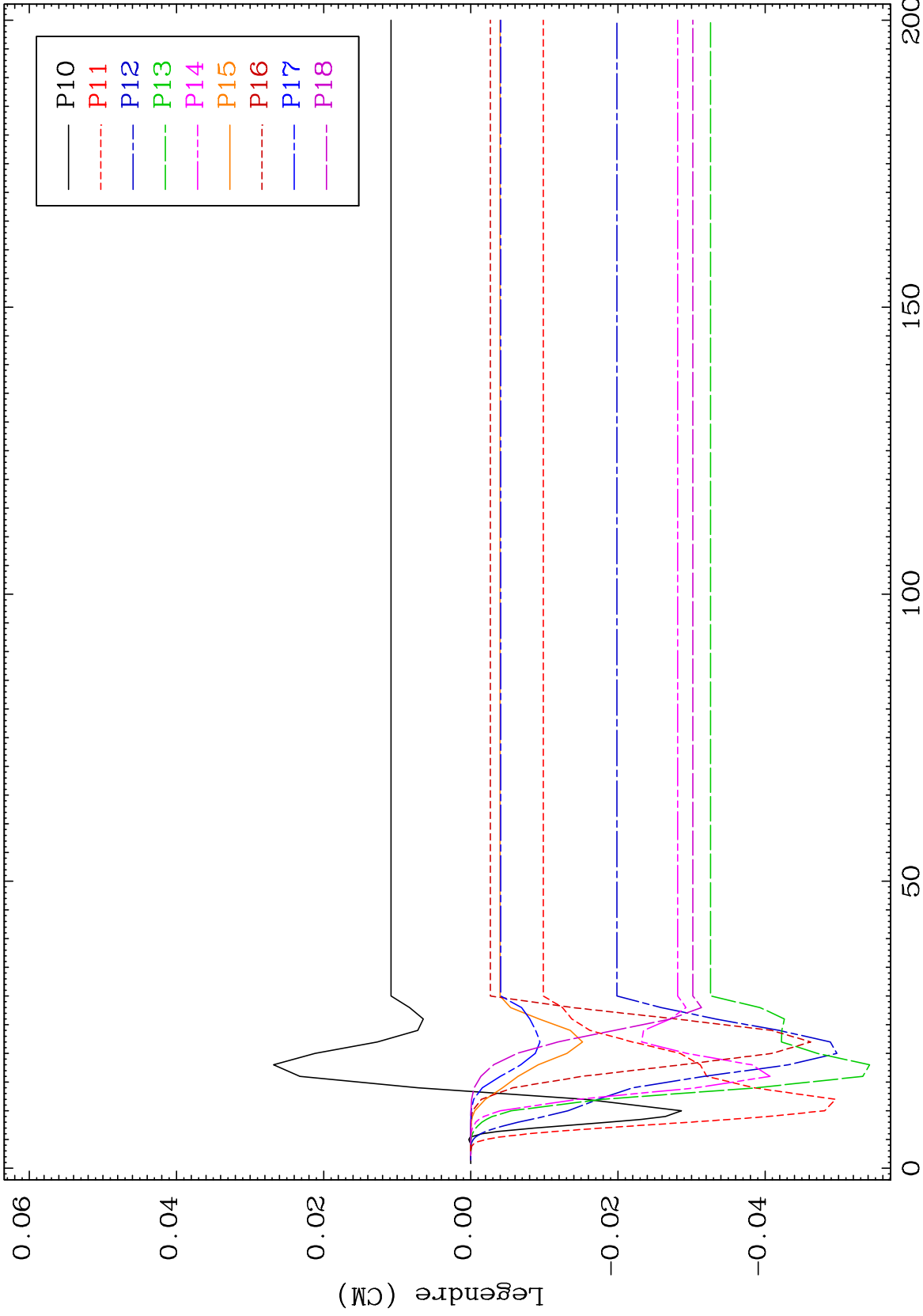
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



44

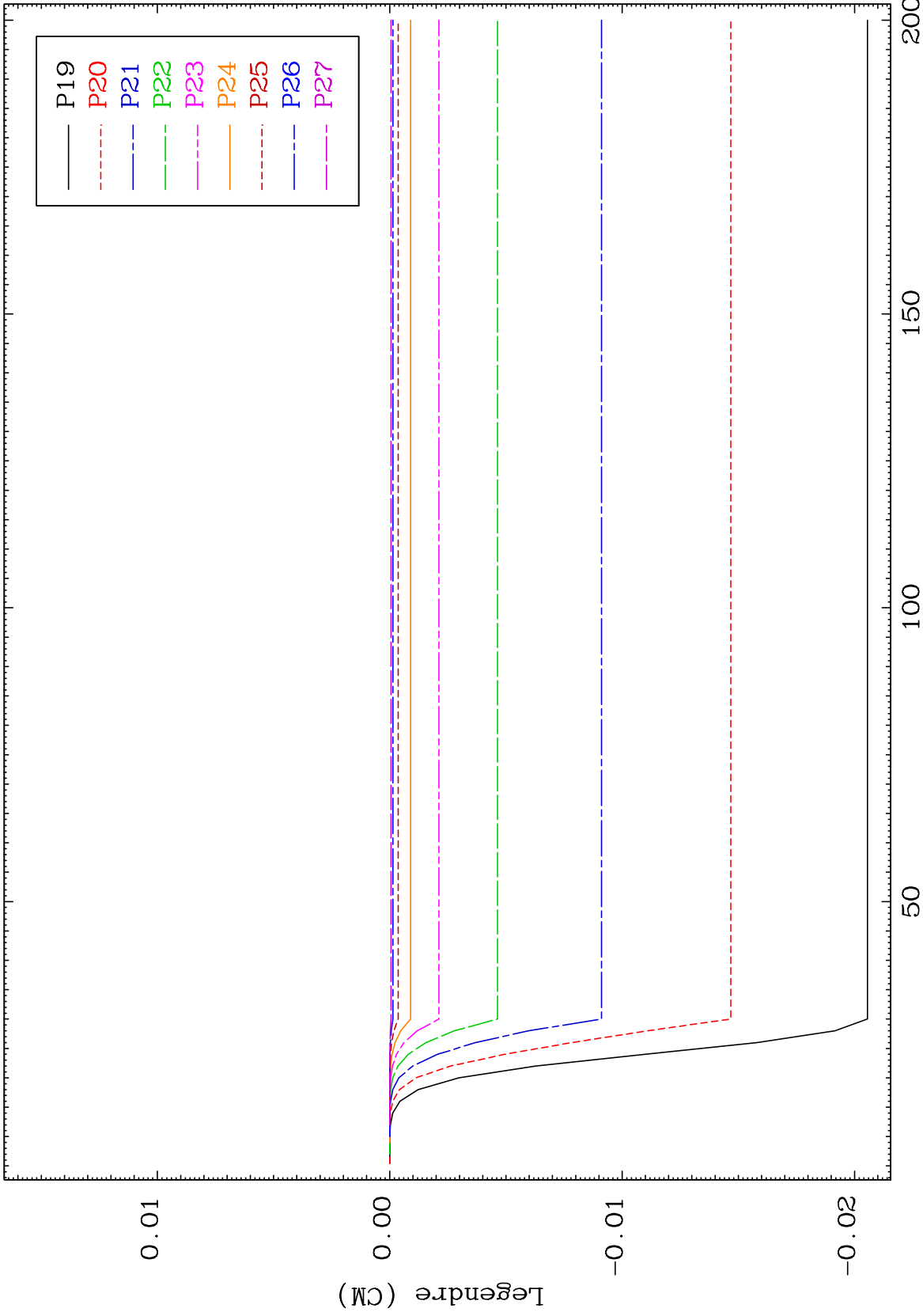
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



45

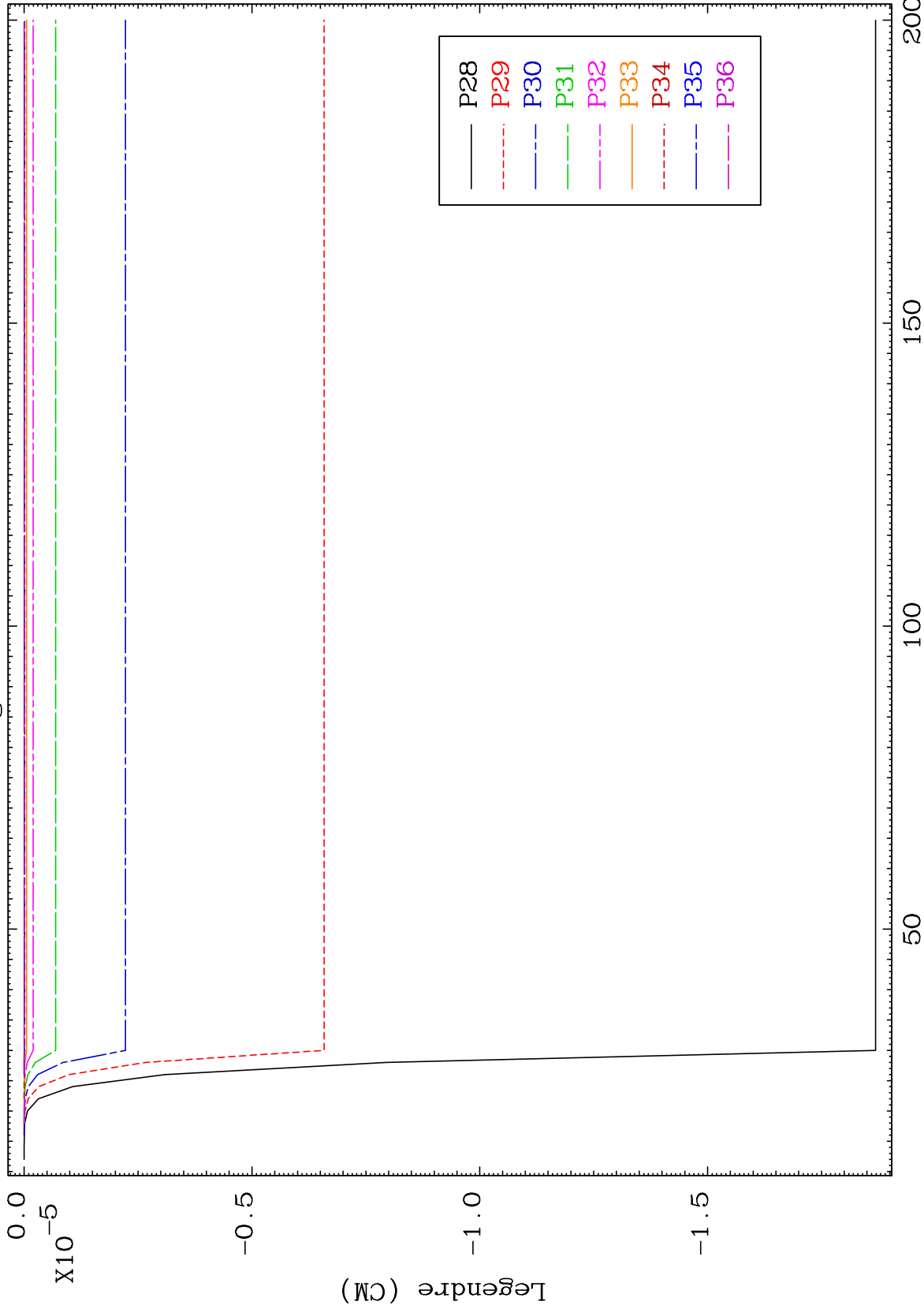
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

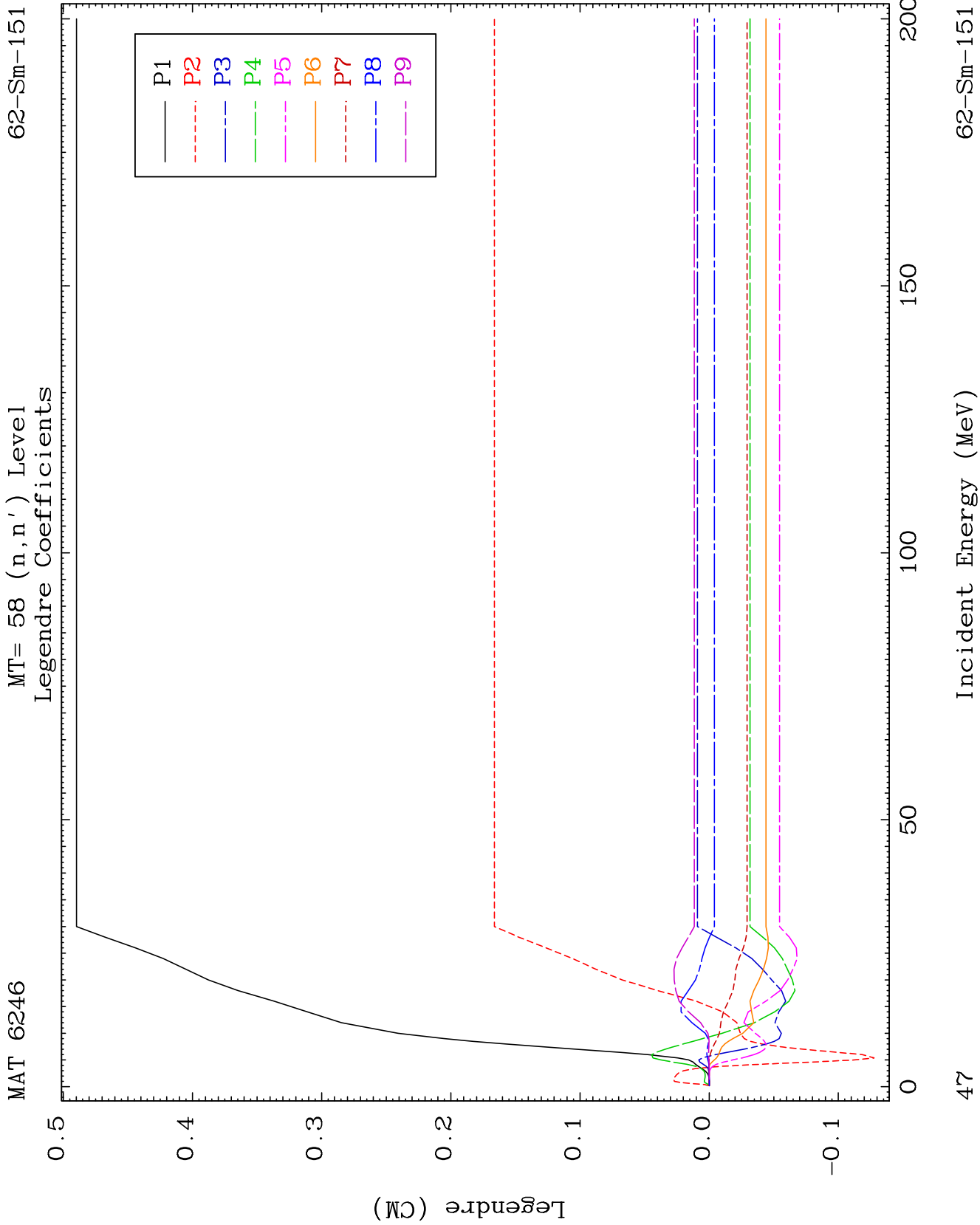
62-Sm-151



62-Sm-151

Incident Energy (MeV)

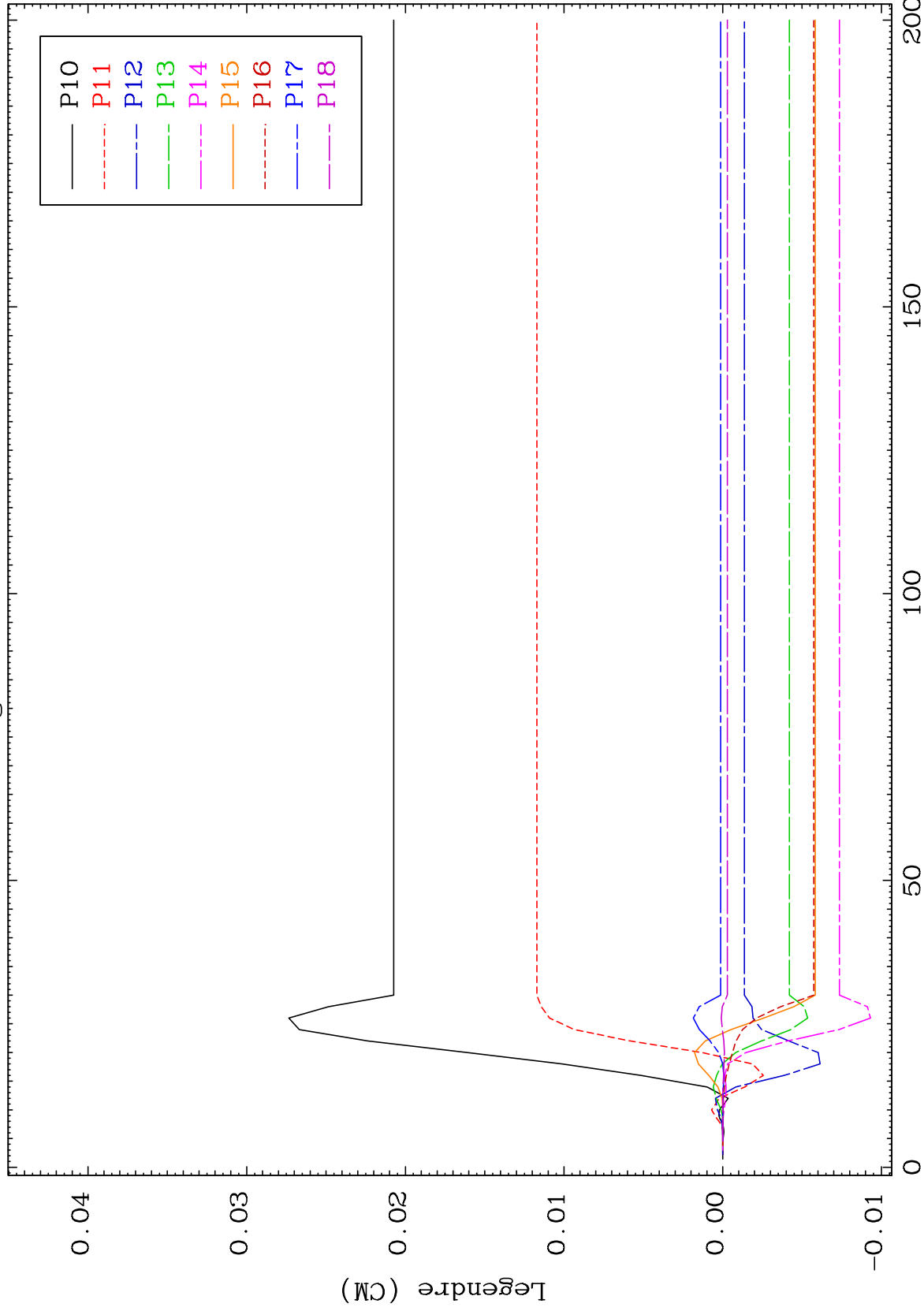
46



MAT 6246

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

62-Sm-151



48

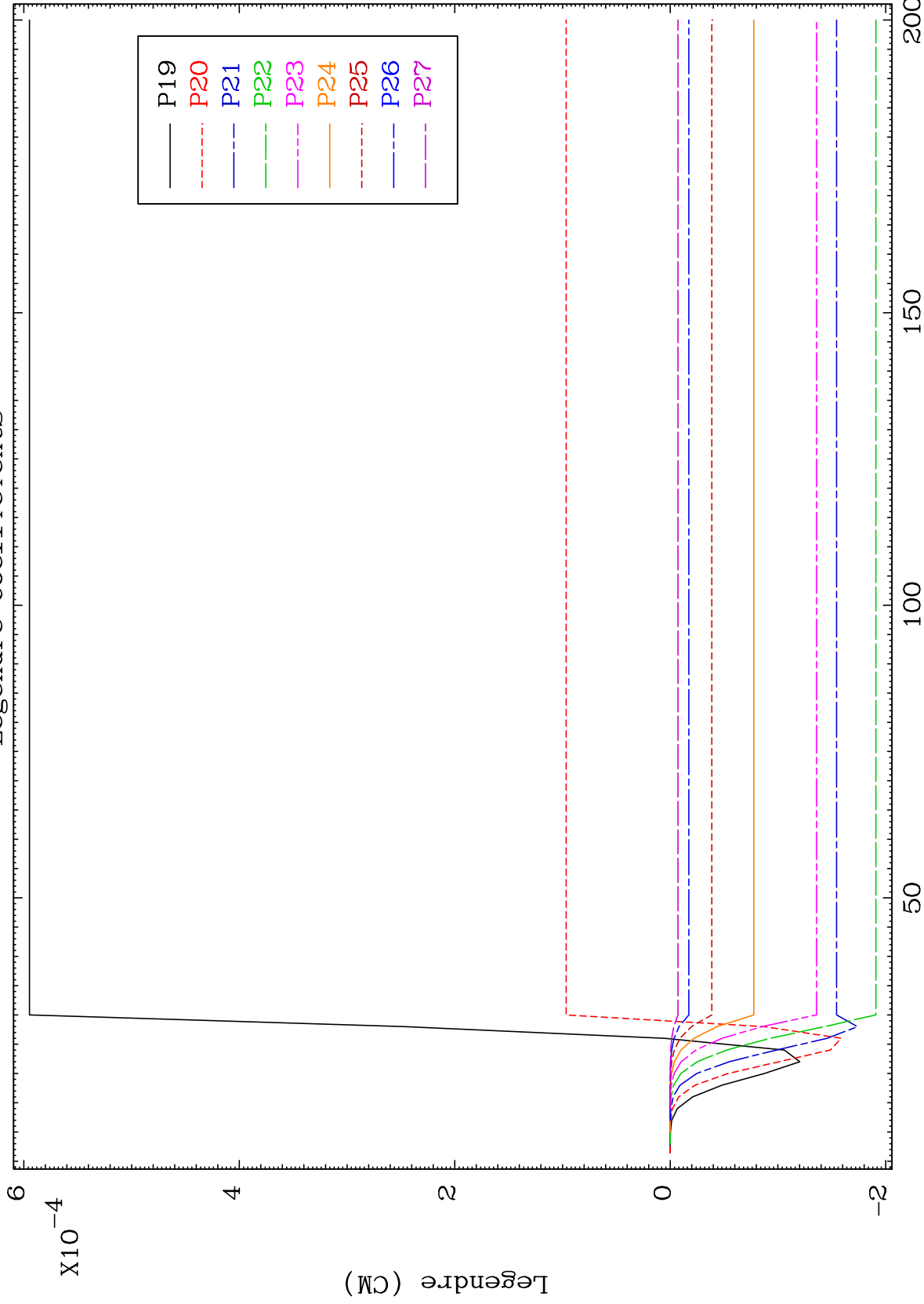
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



49

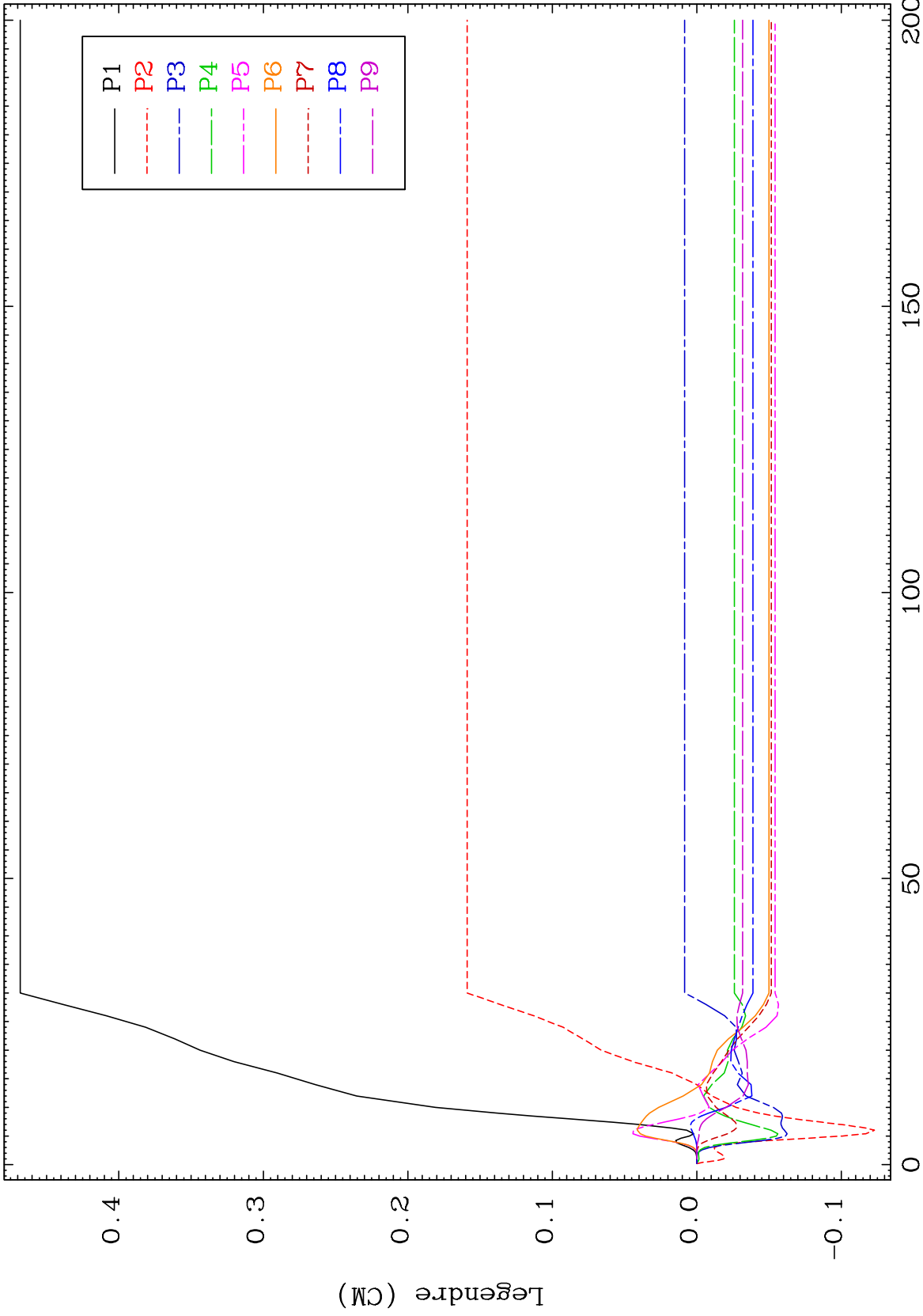
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



51

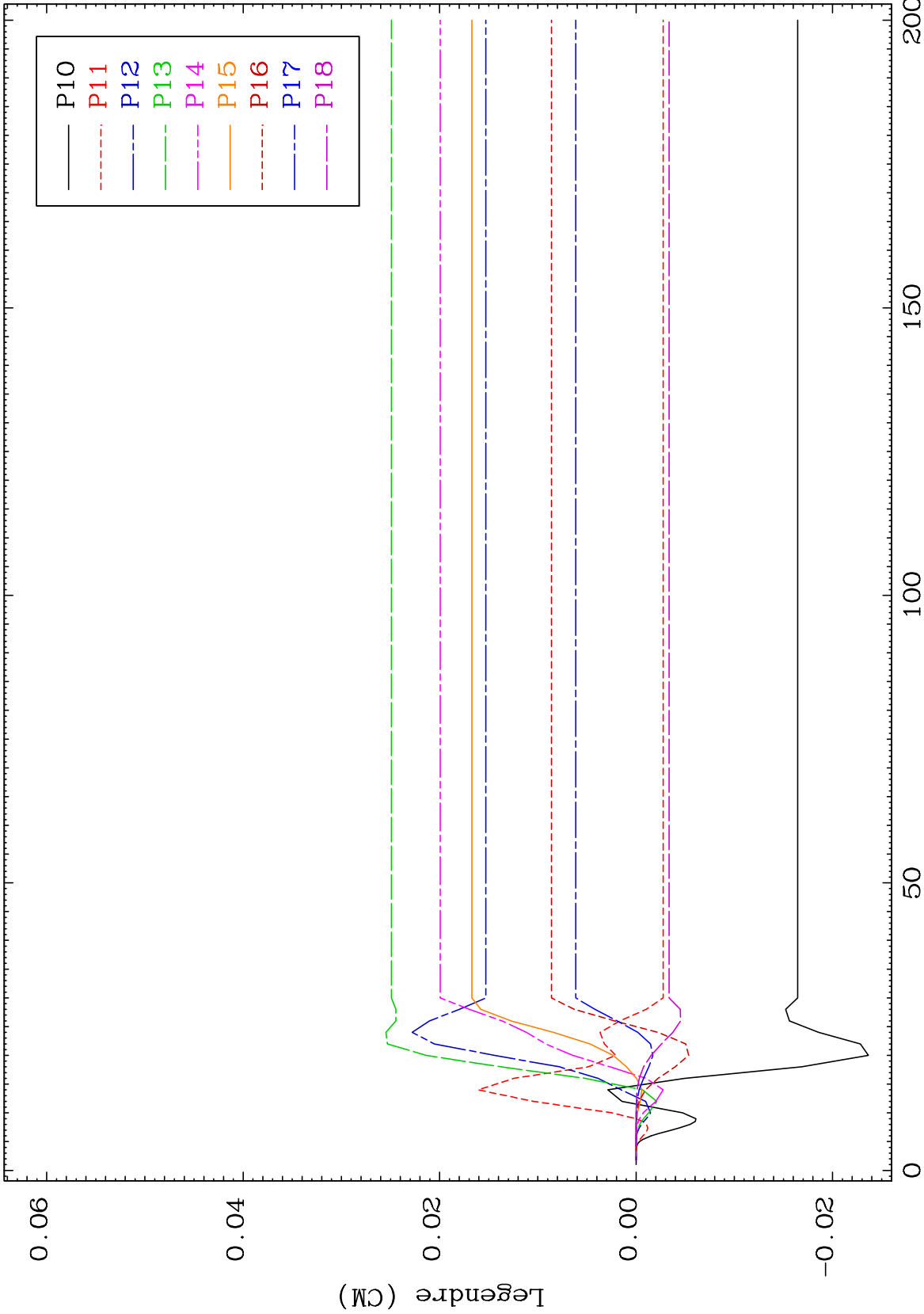
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



52

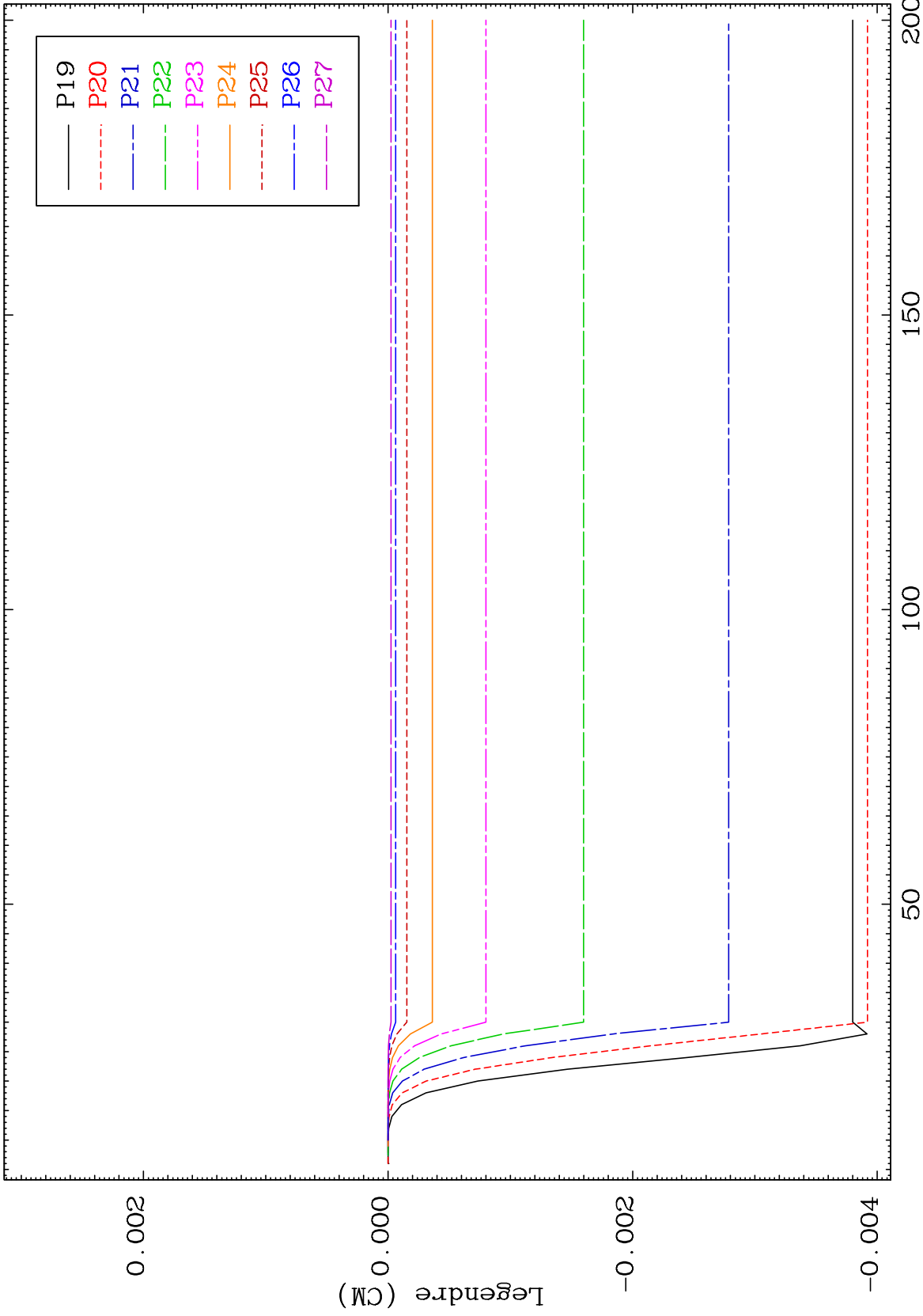
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151

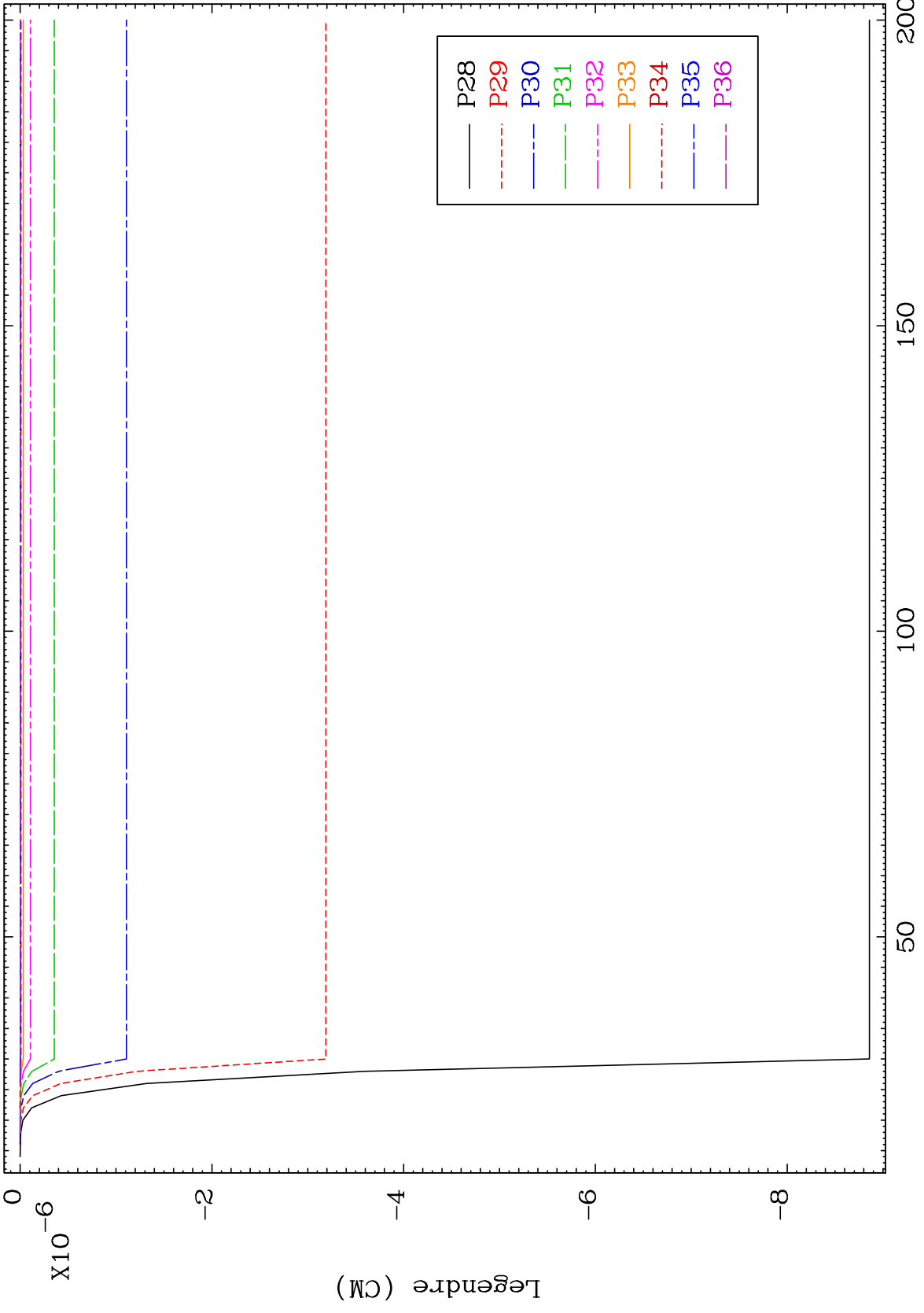


53

Incident Energy (MeV)

62-Sm-151

MAT 6246 MT= 59 (n,n') Level Legendre Coefficients 62-Sm-151

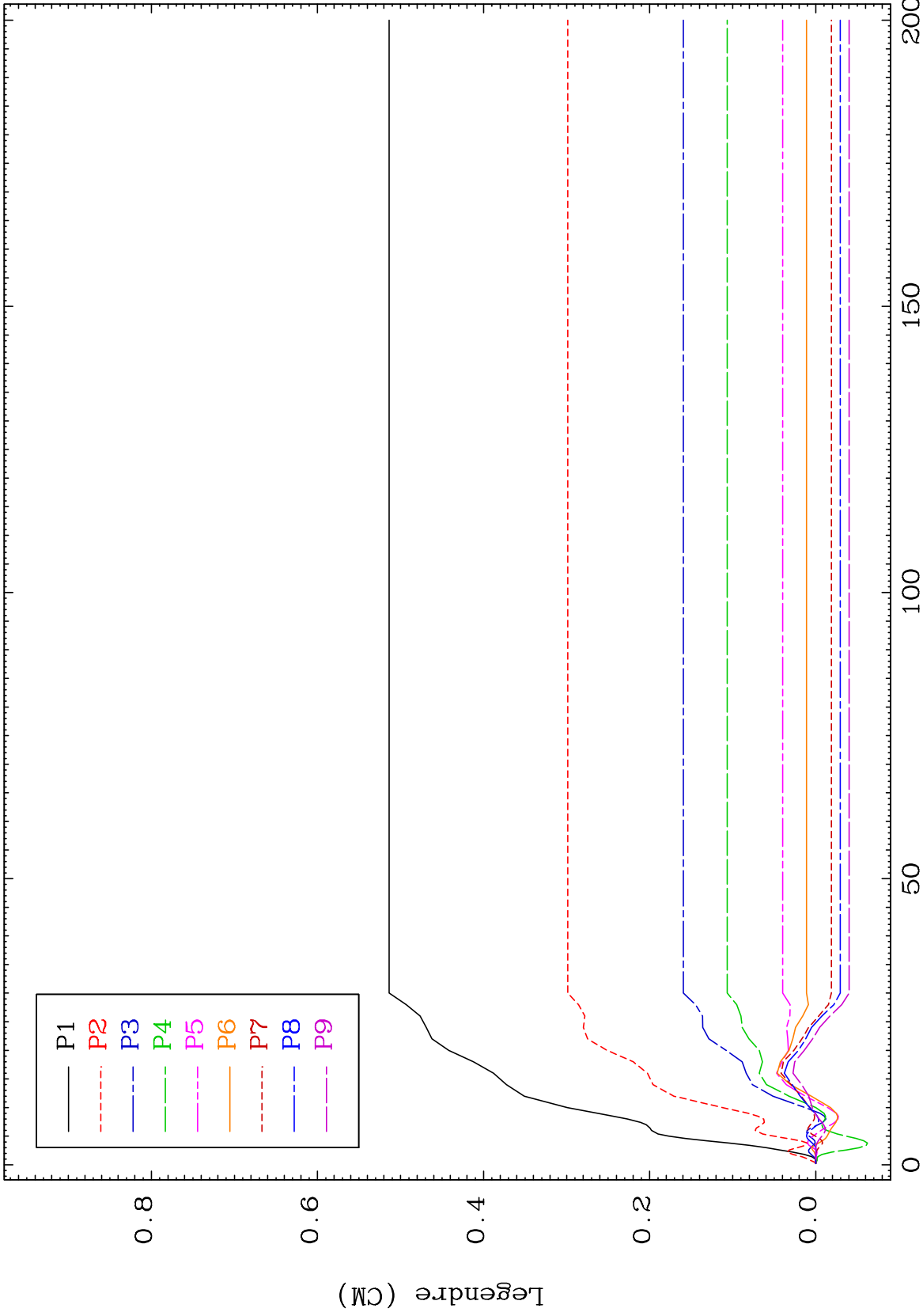


54 62-Sm-151

MAT 6246

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

62-Sm-151



55

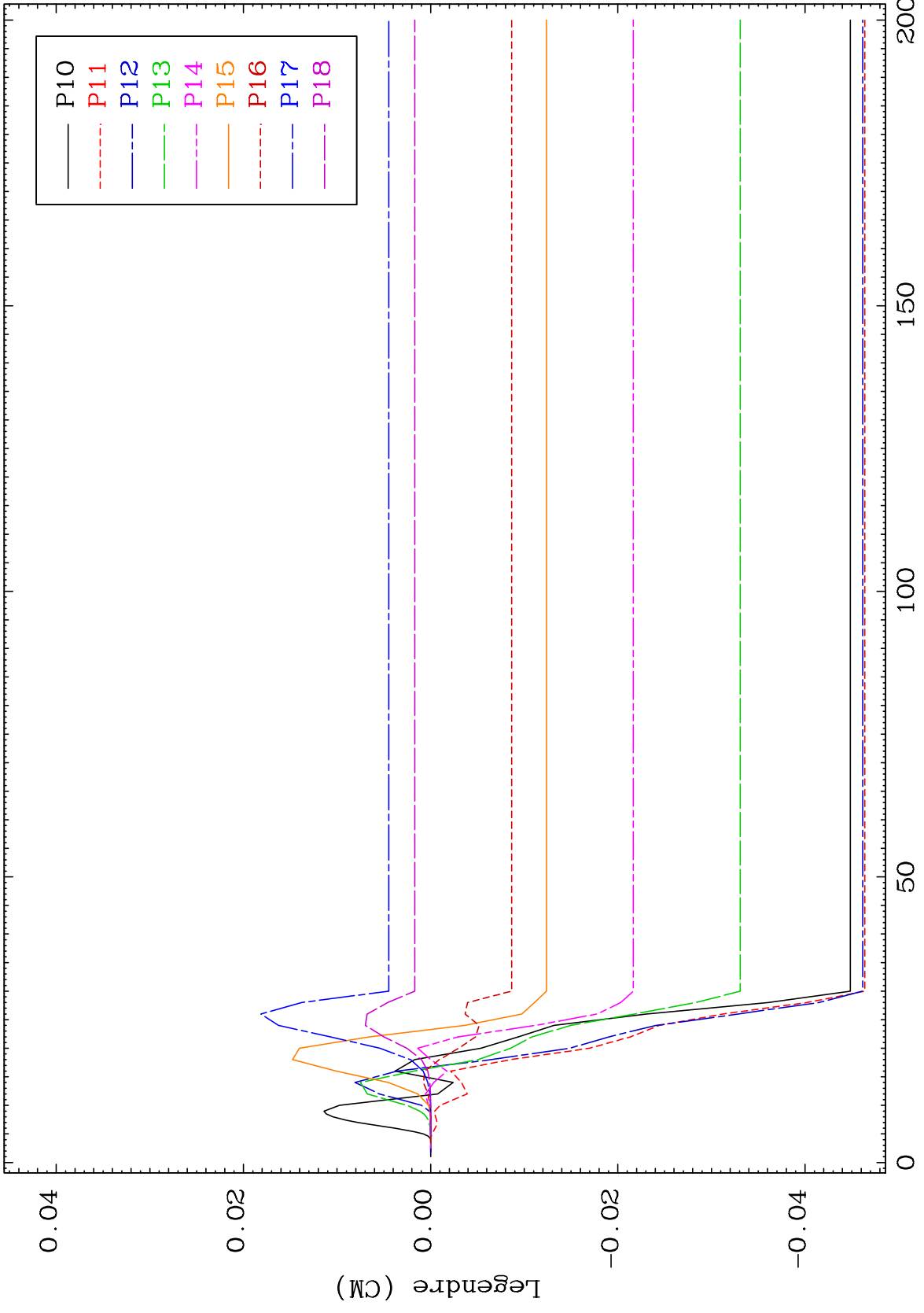
62-Sm-151

200

MAT 6246

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

62-Sm-151



56

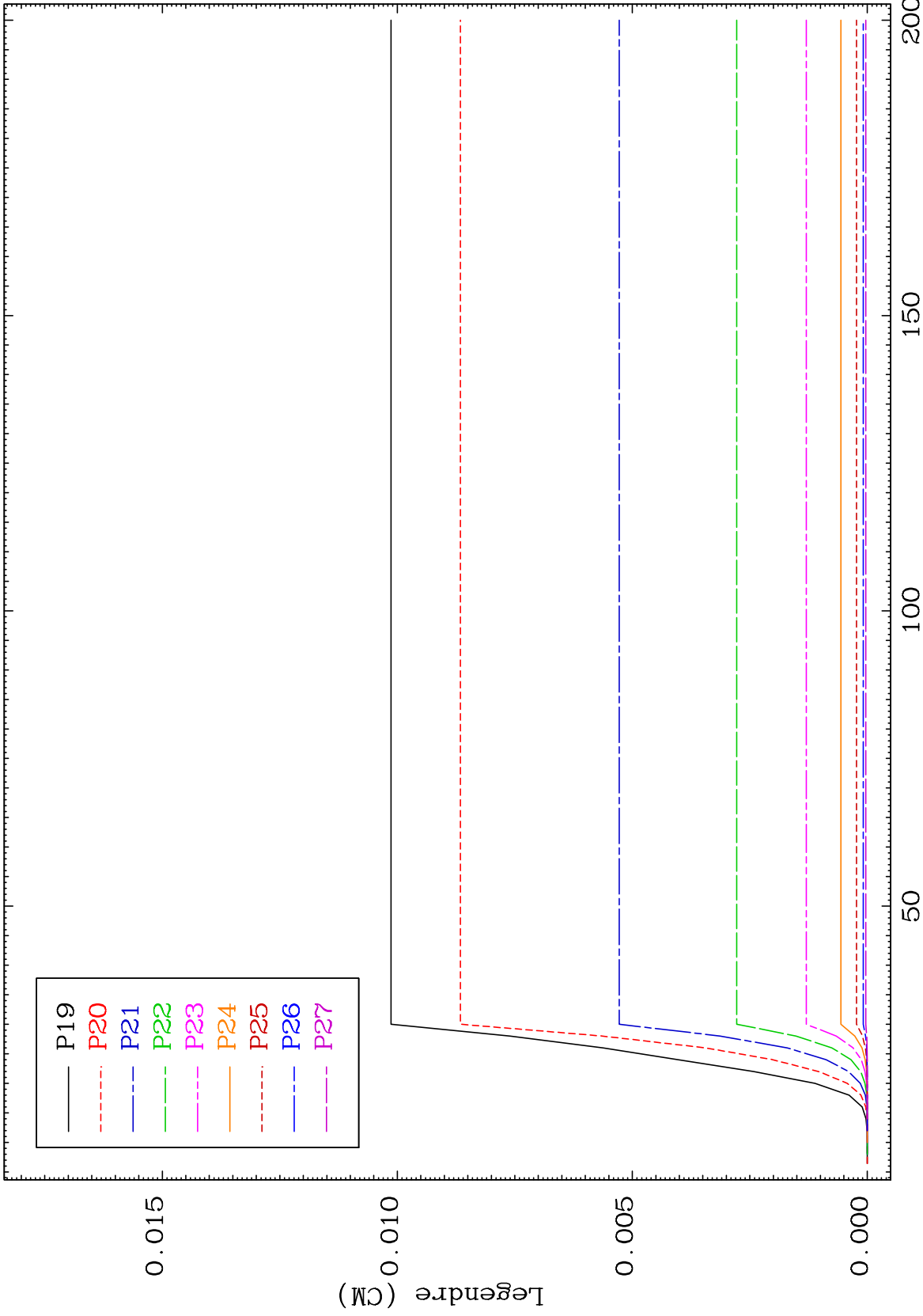
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



57

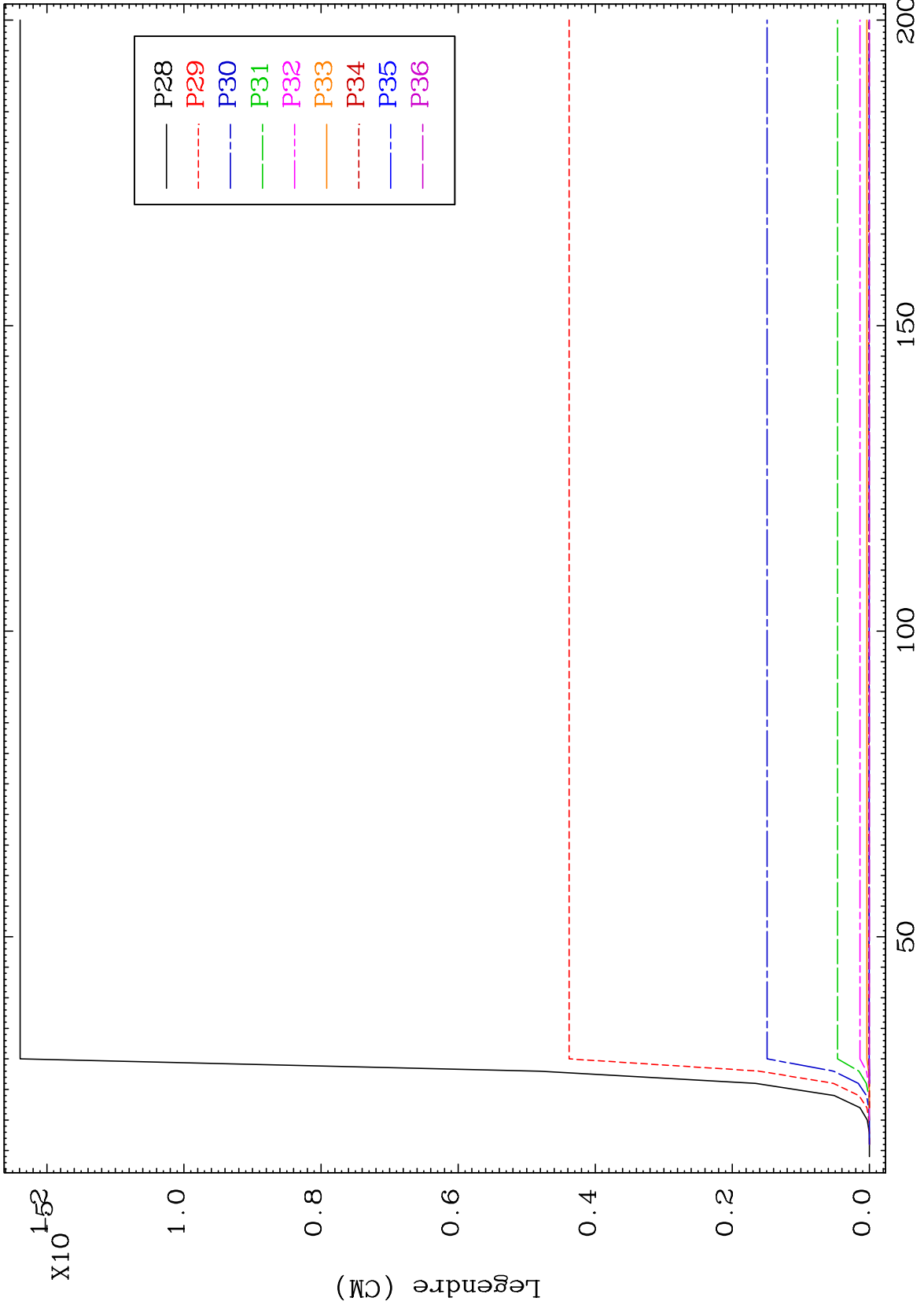
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



58

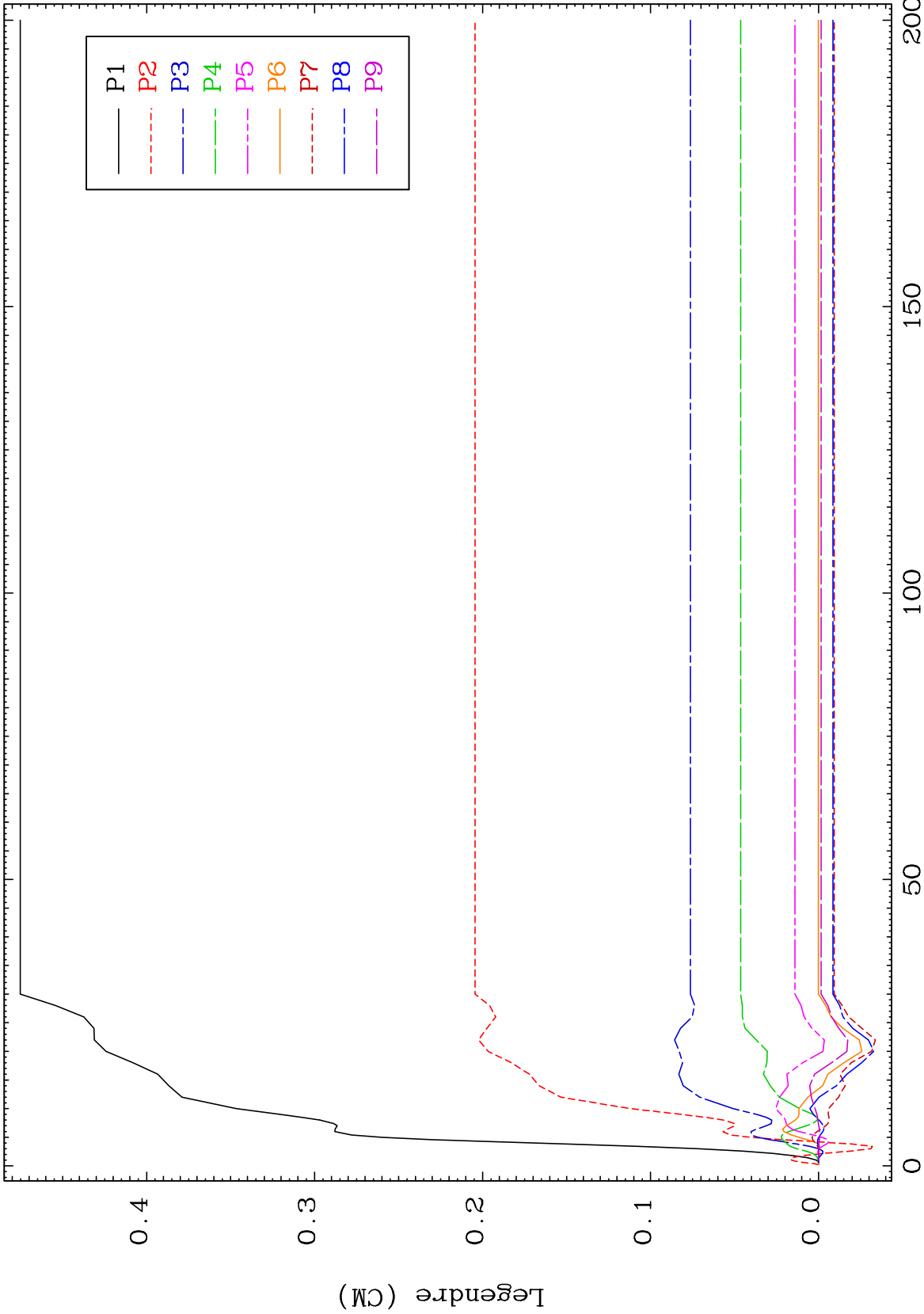
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



59

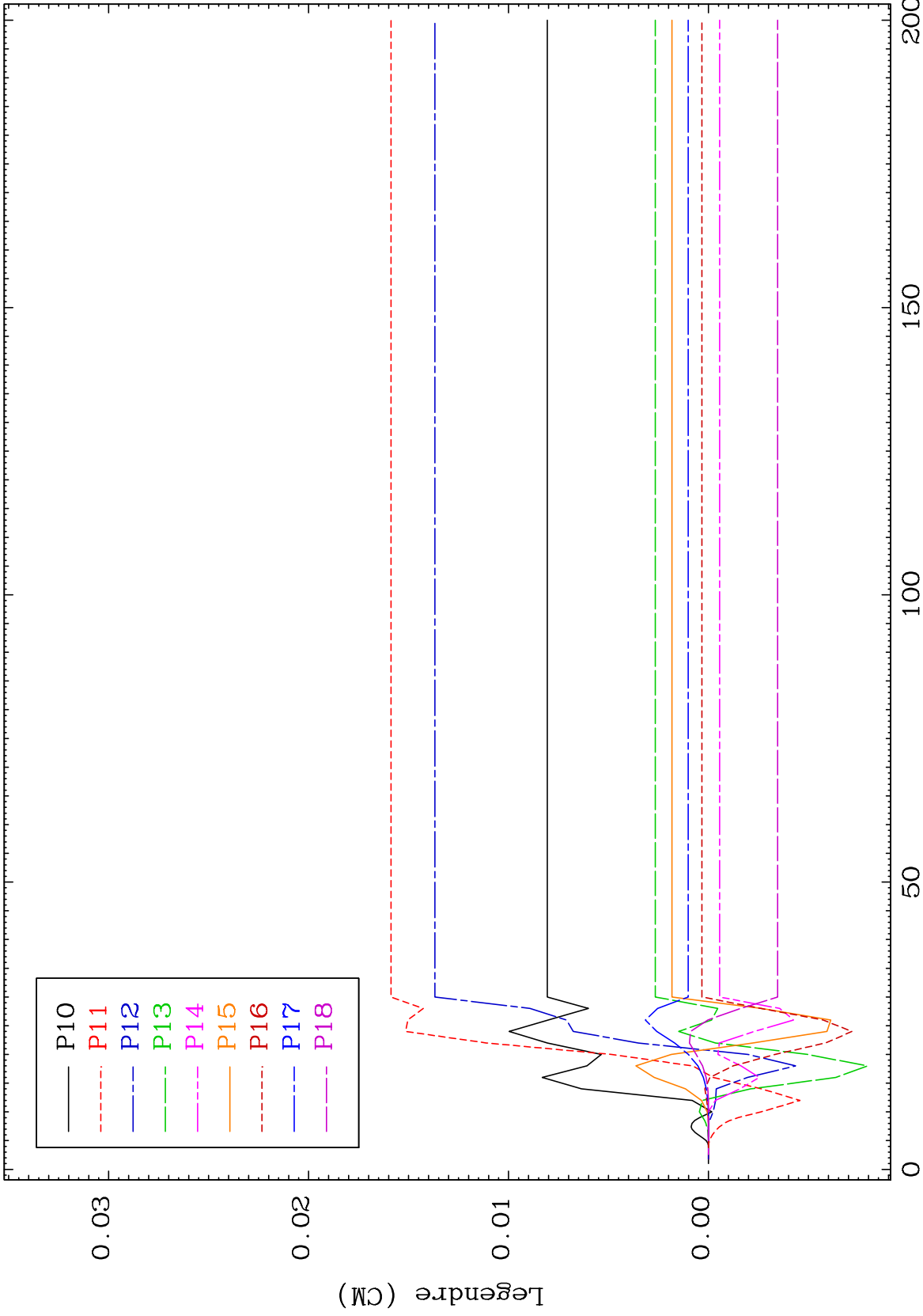
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



0

50

100

150

200

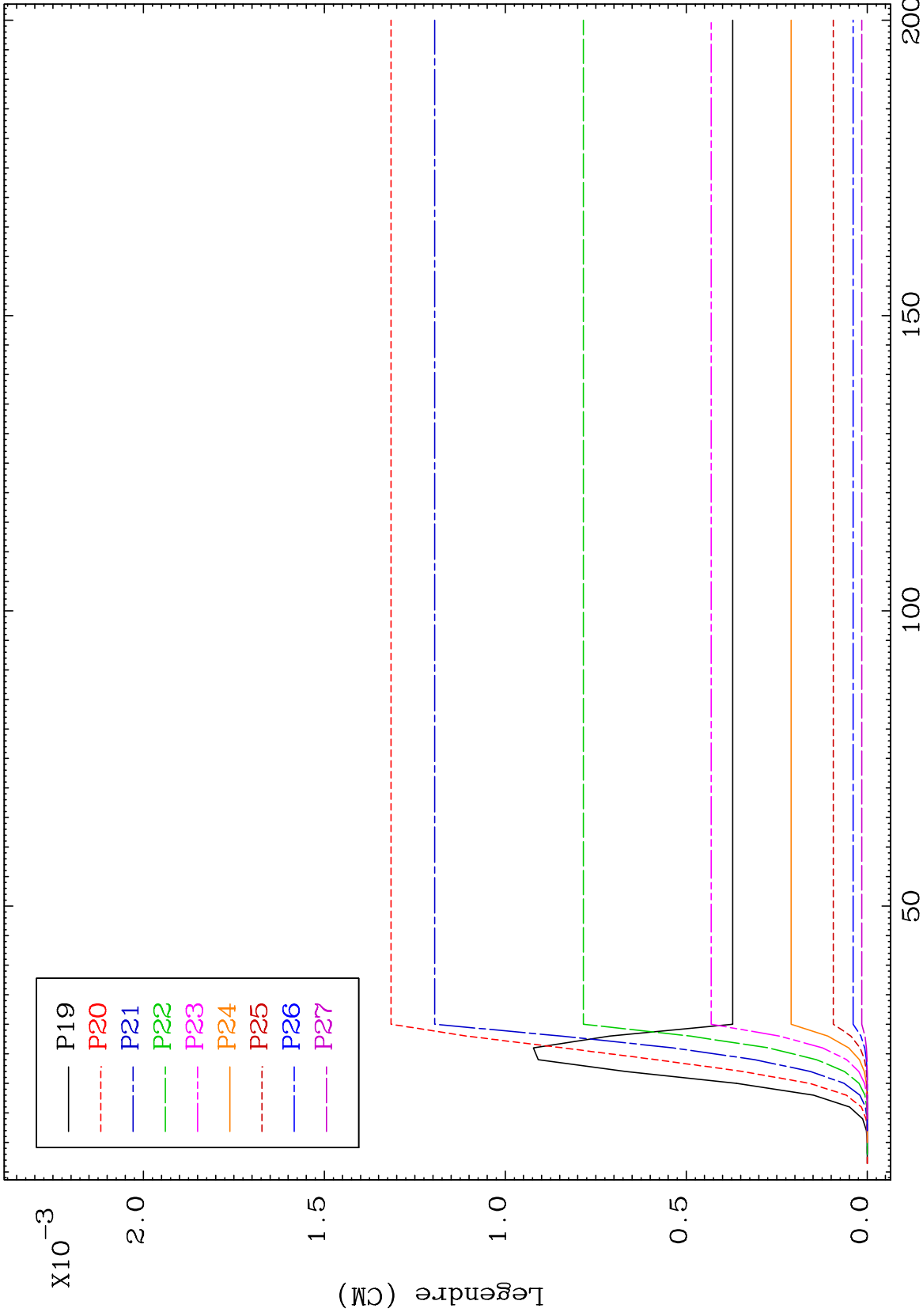
62-Sm-151

Incident Energy (MeV)

MAT 6246

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

62-Sm-151



61

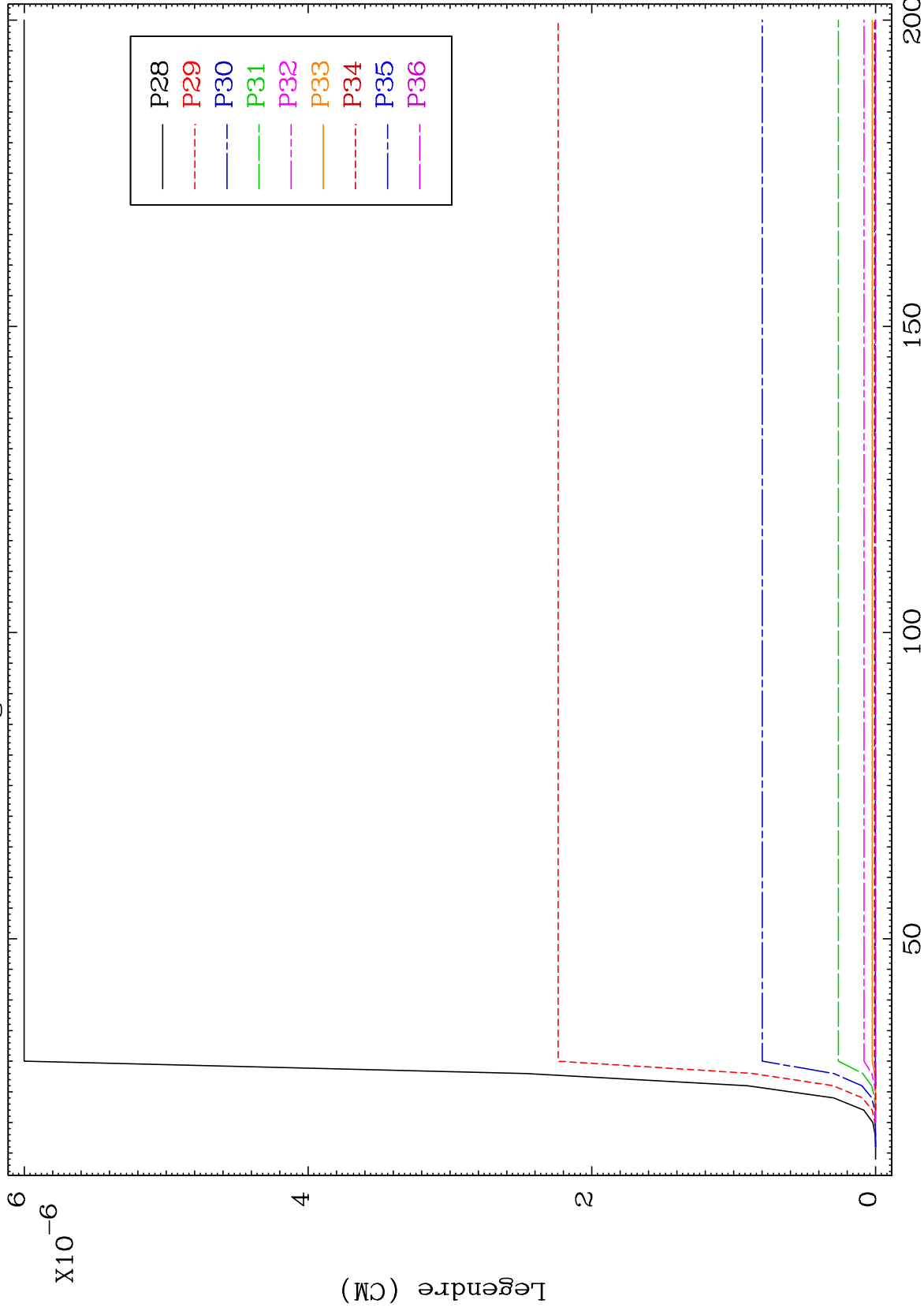
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

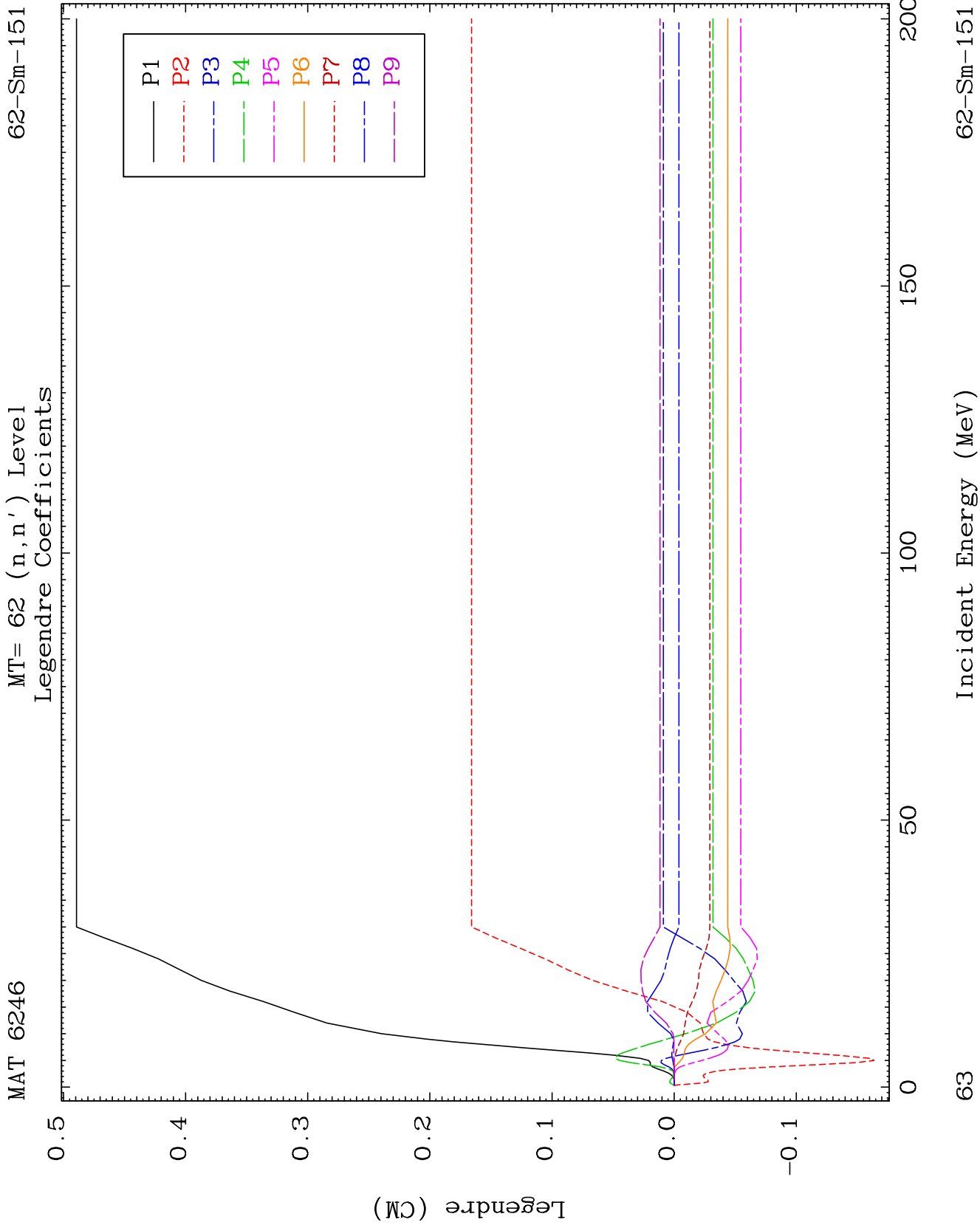
62-Sm-151



62

Incident Energy (MeV)

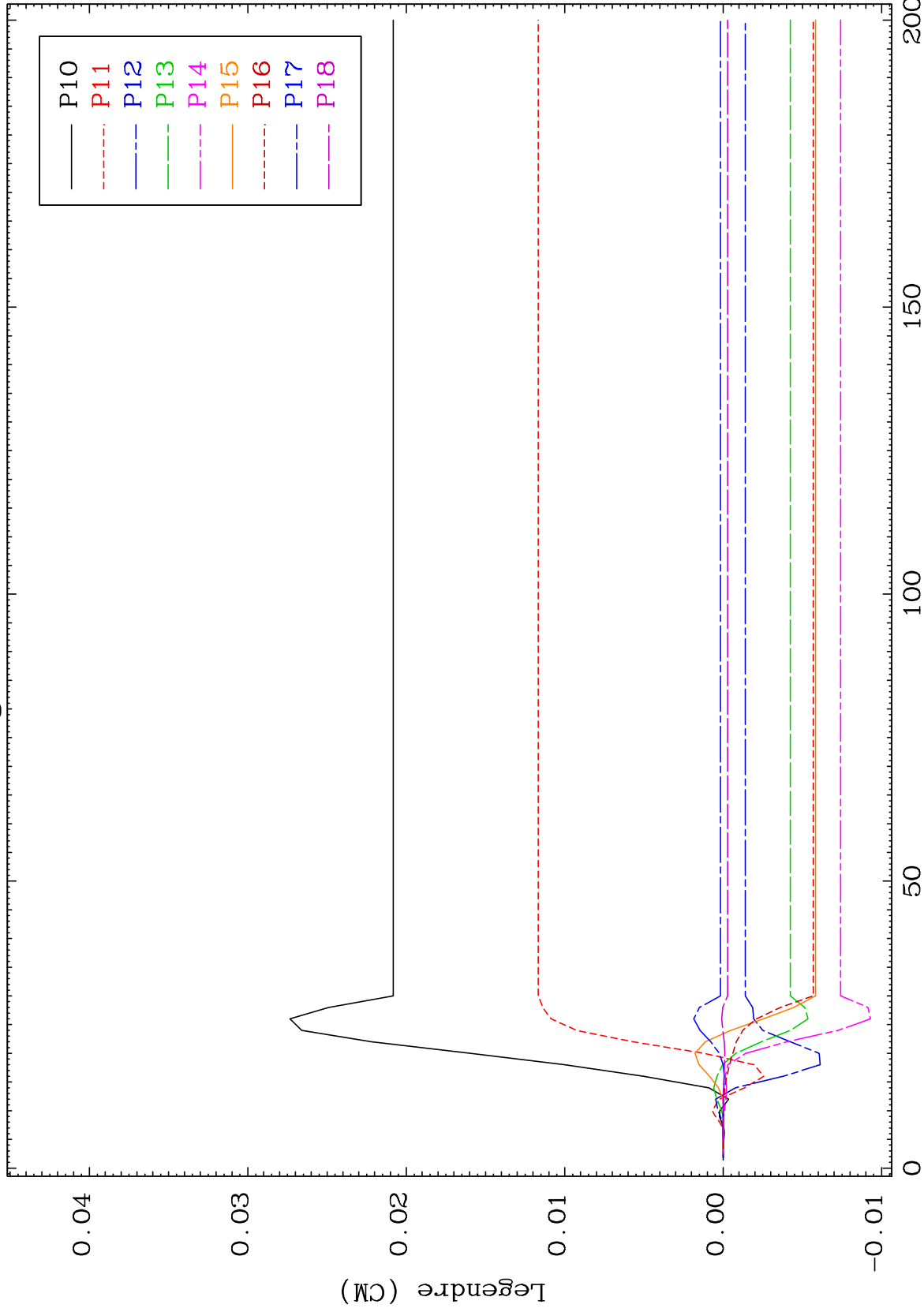
62-Sm-151



MAT 6246

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

62-Sm-151

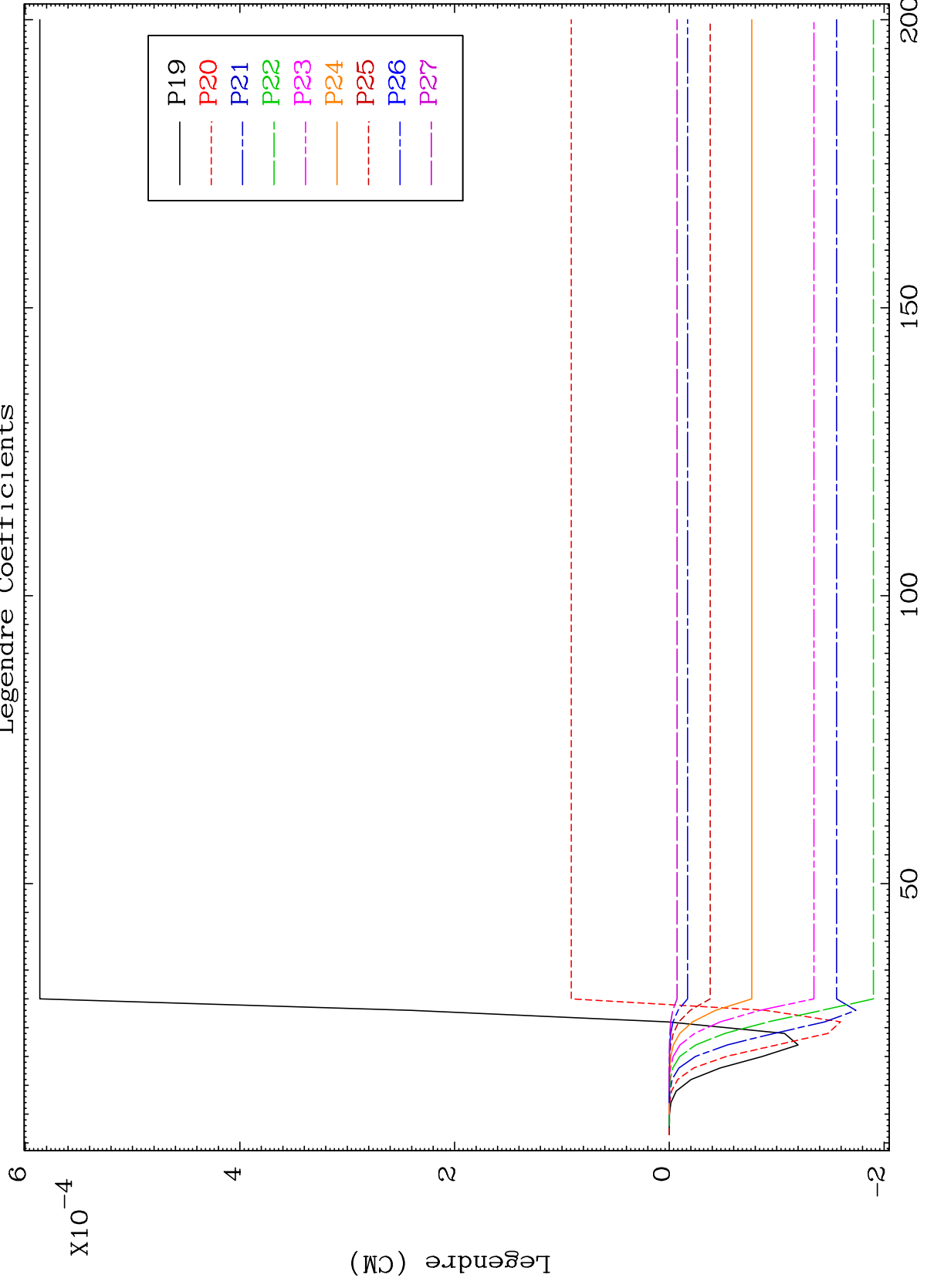


64

Incident Energy (MeV)

62-Sm-151

MAT 6246 MT= 62 (n,n') Level Legendre Coefficients 62-Sm-151

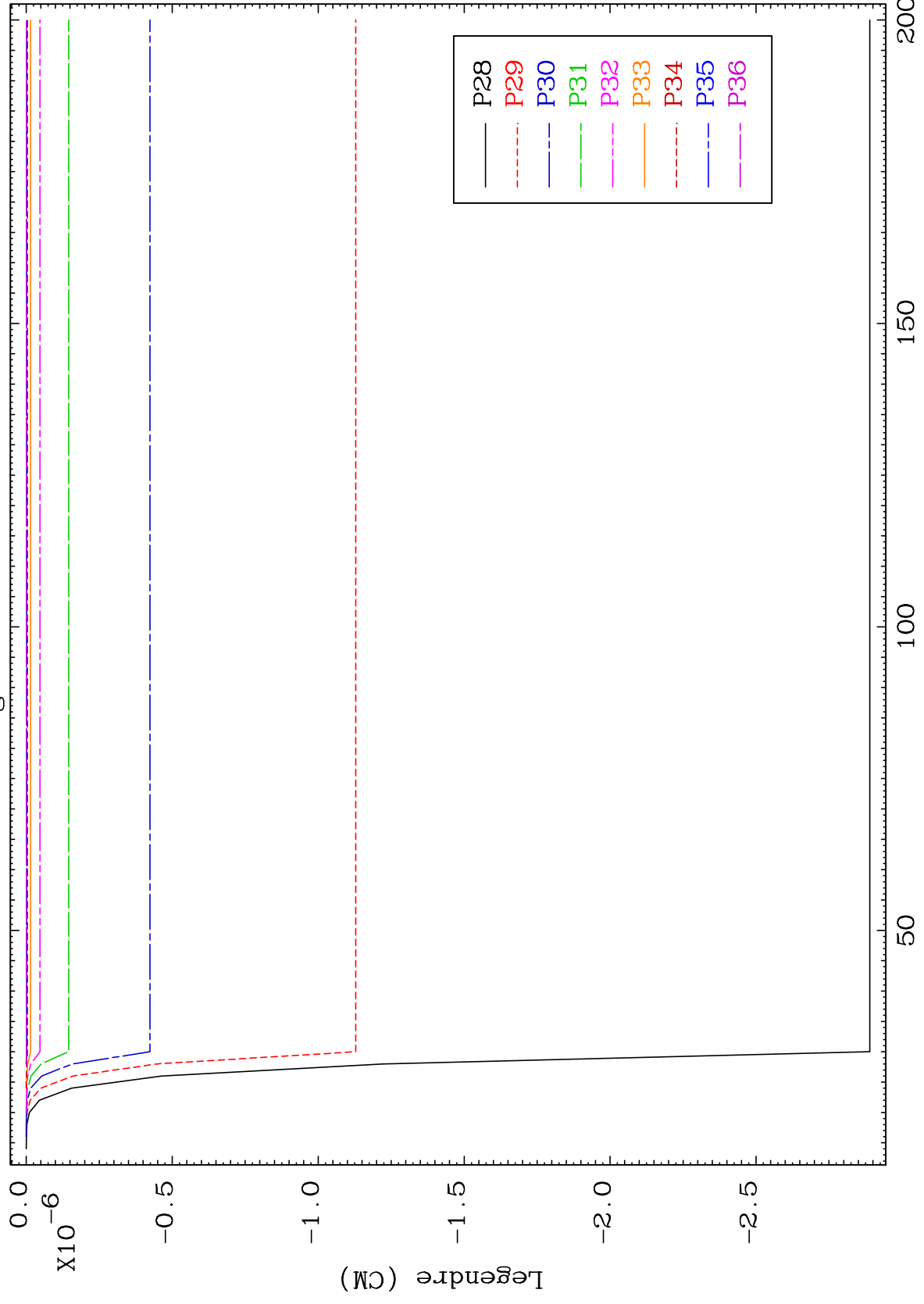


65 62-Sm-151

MAT 6246

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

62-Sm-151



62-Sm-151

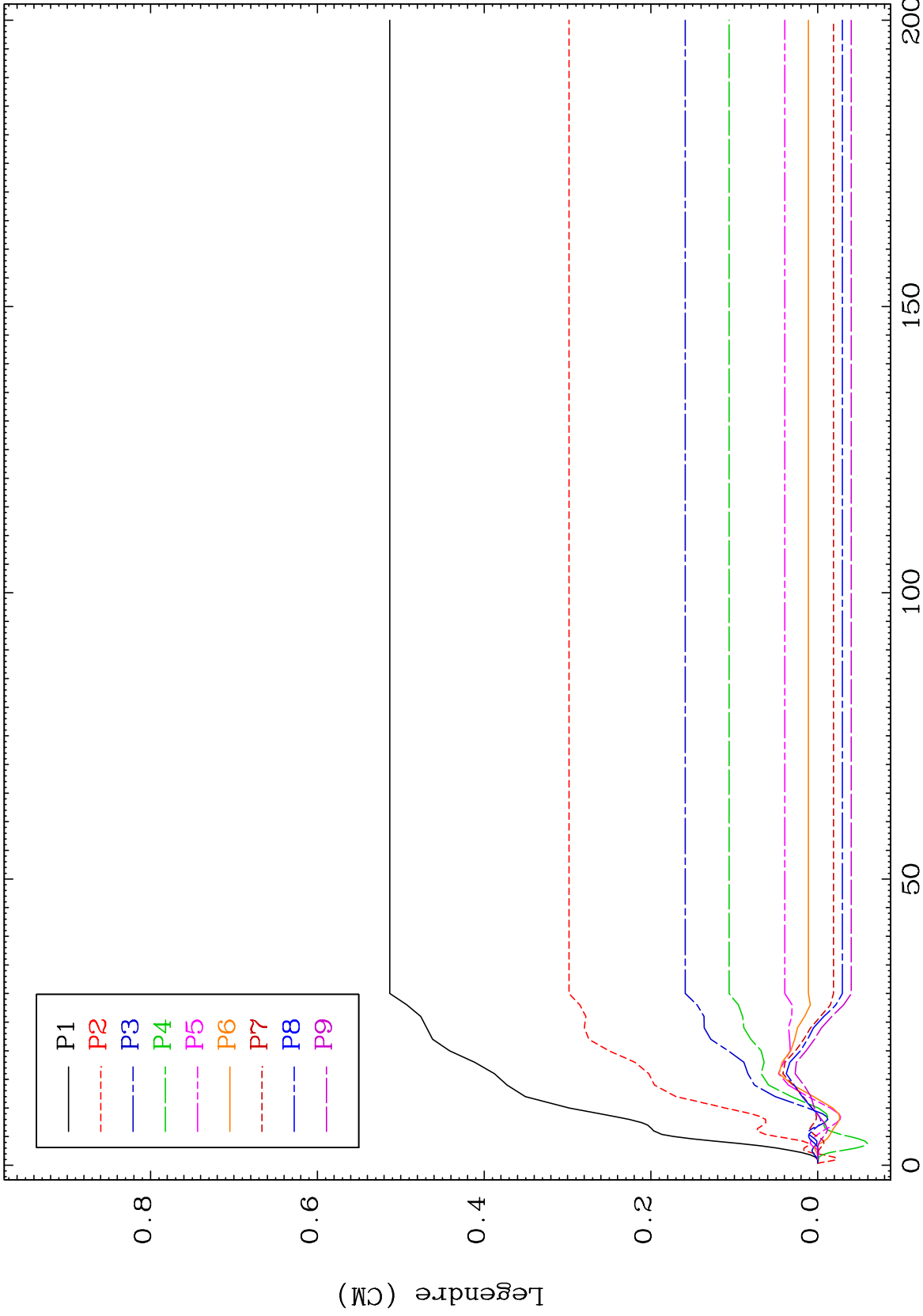
Incident Energy (MeV)

66

MAT 6246

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

62-Sm-151



67

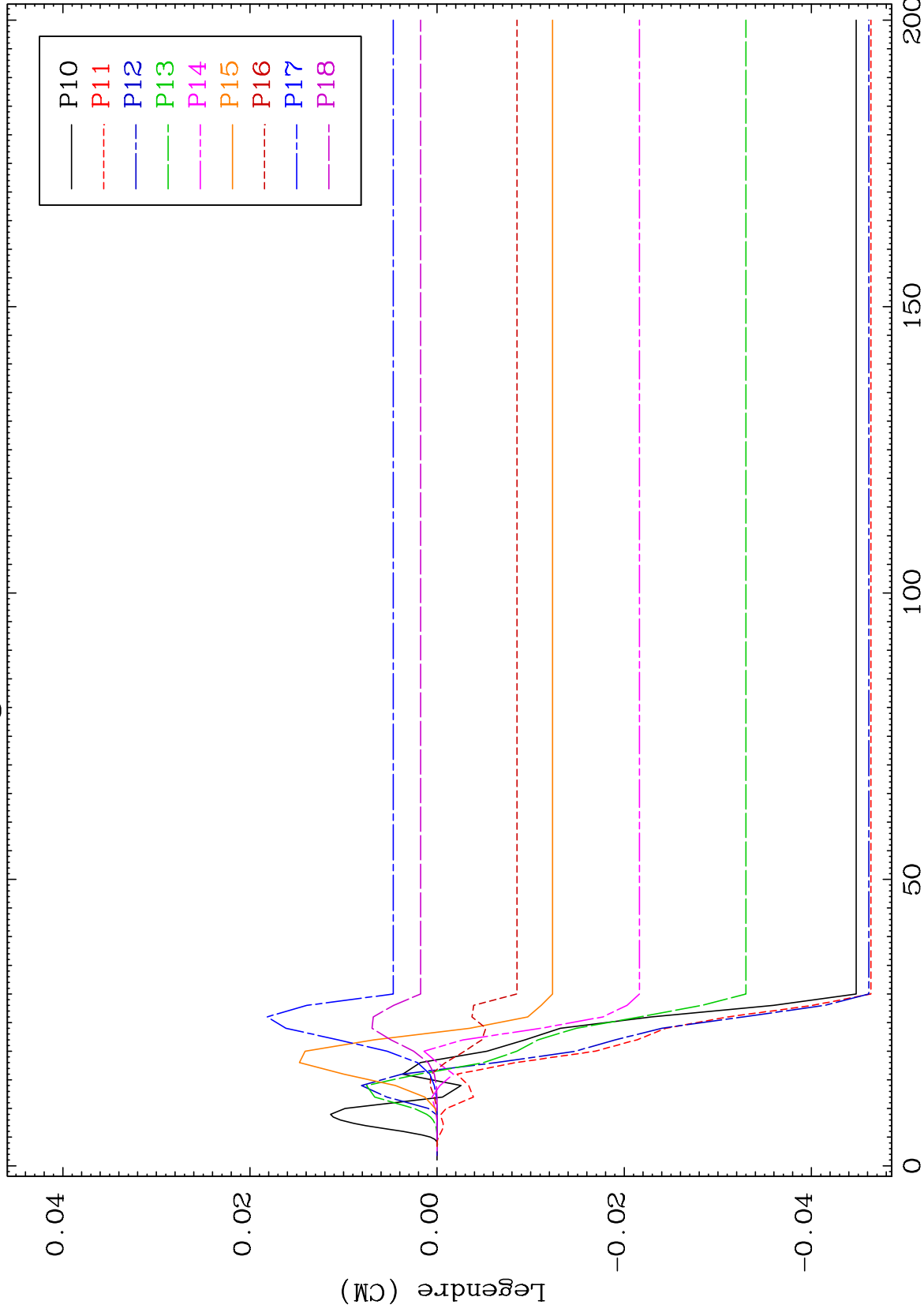
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



68

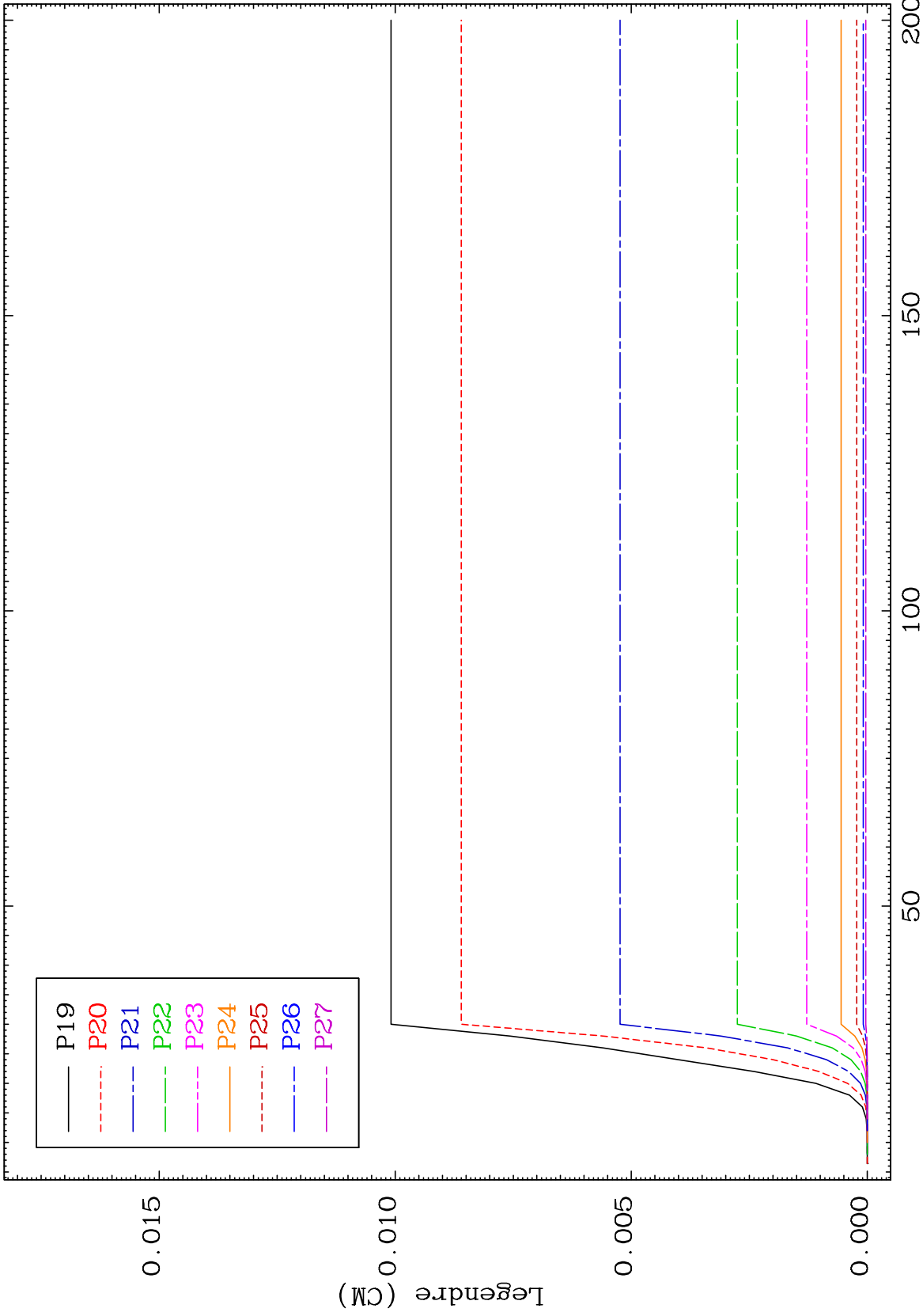
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



69

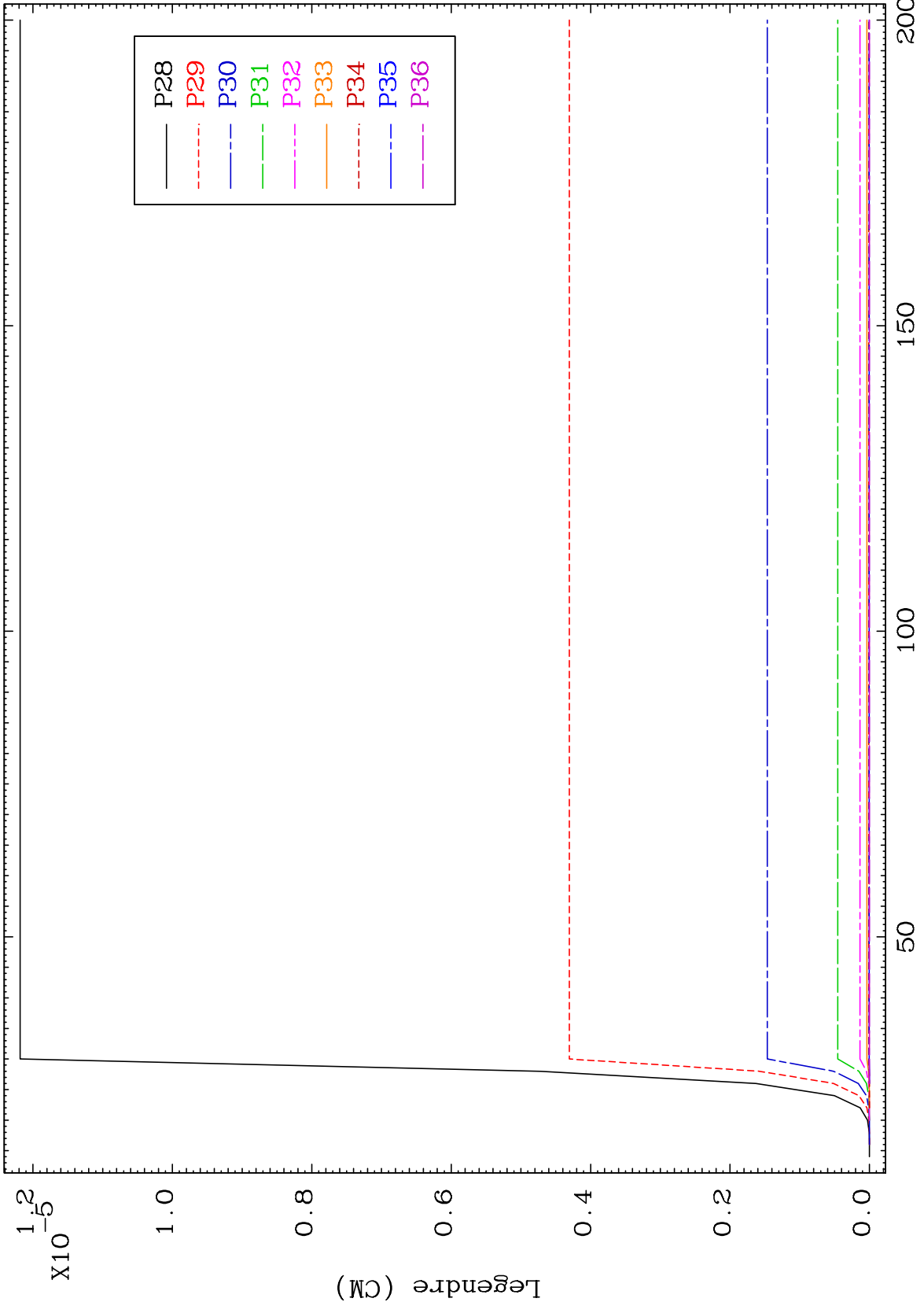
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



70

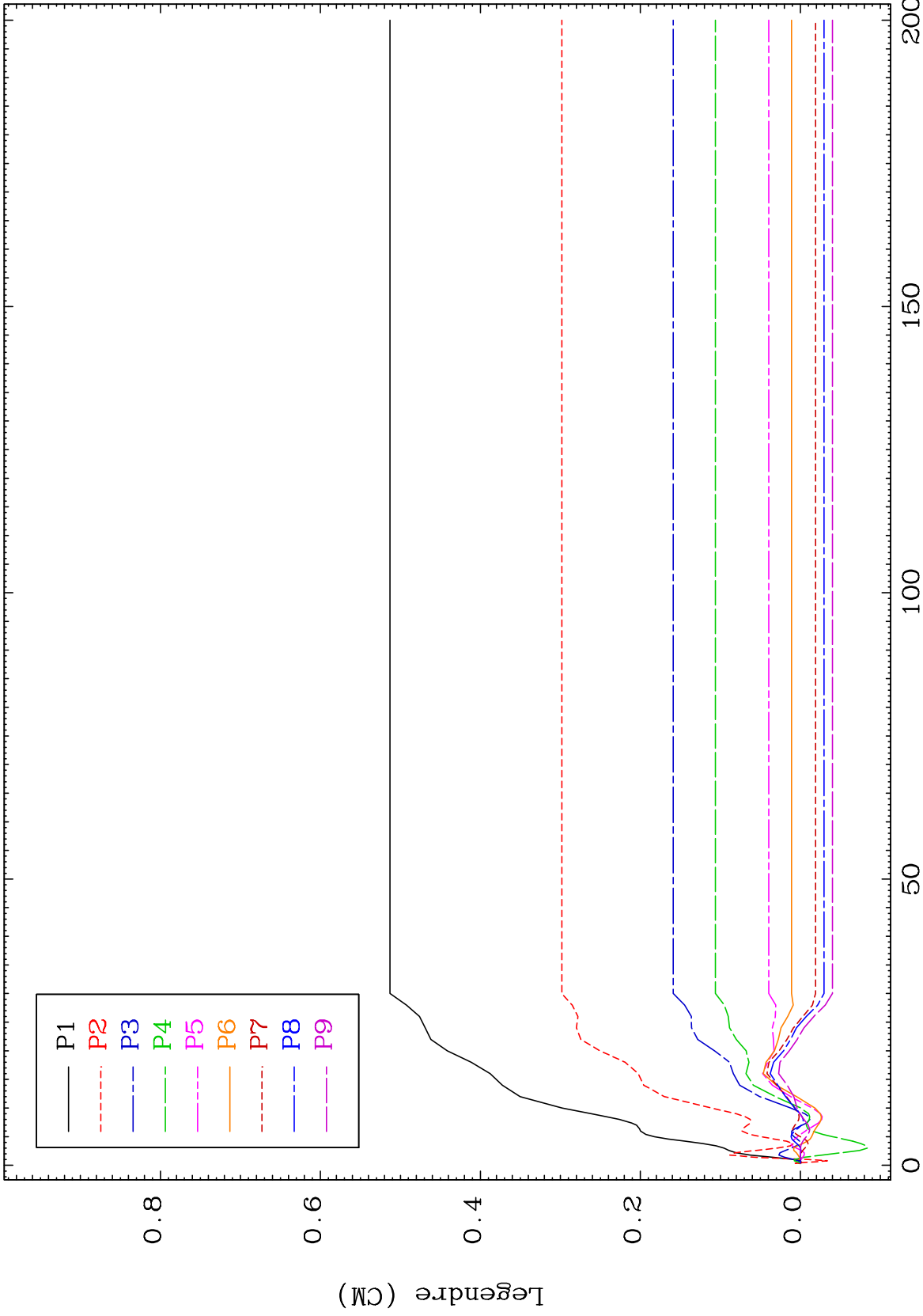
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



71

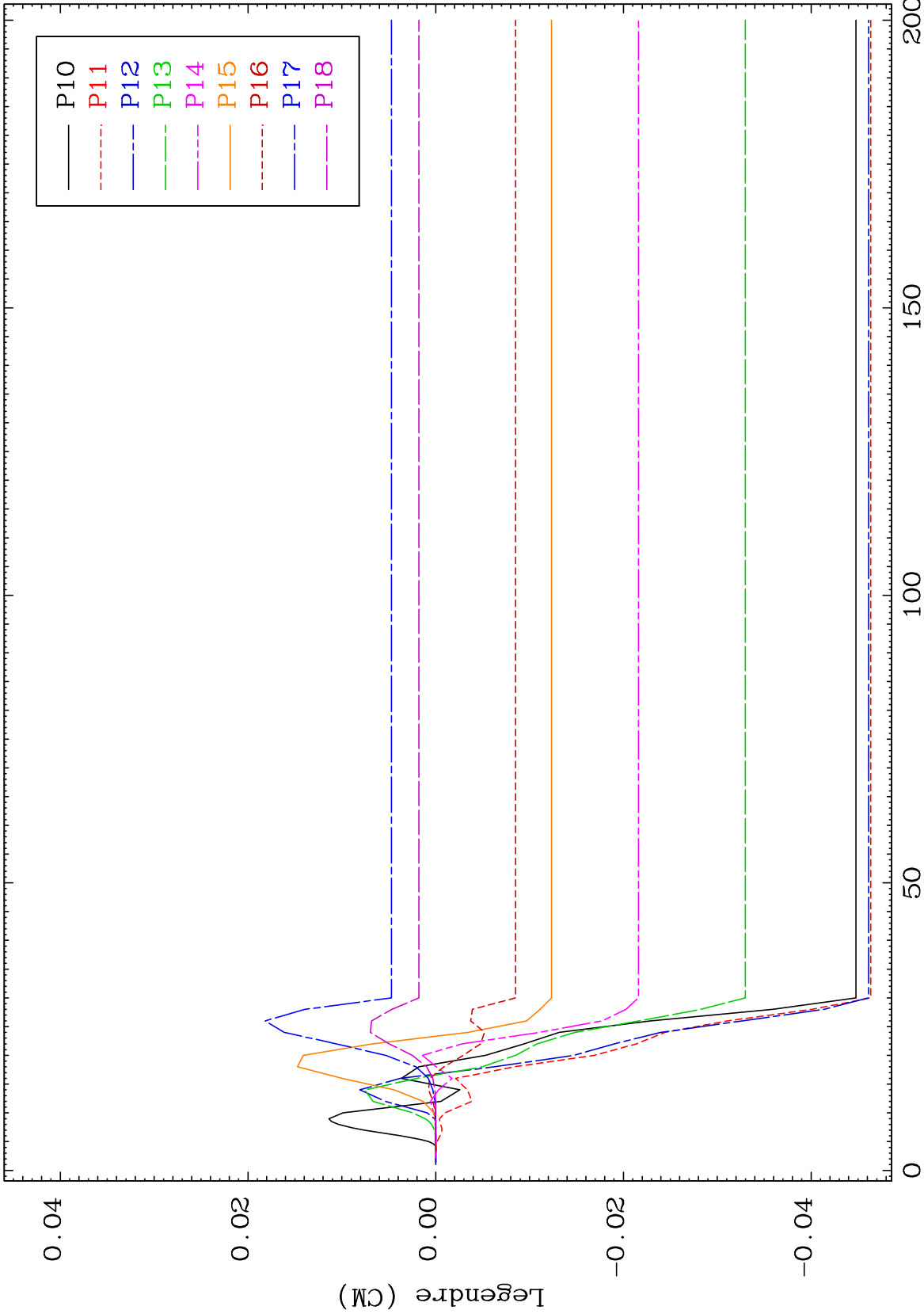
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



72

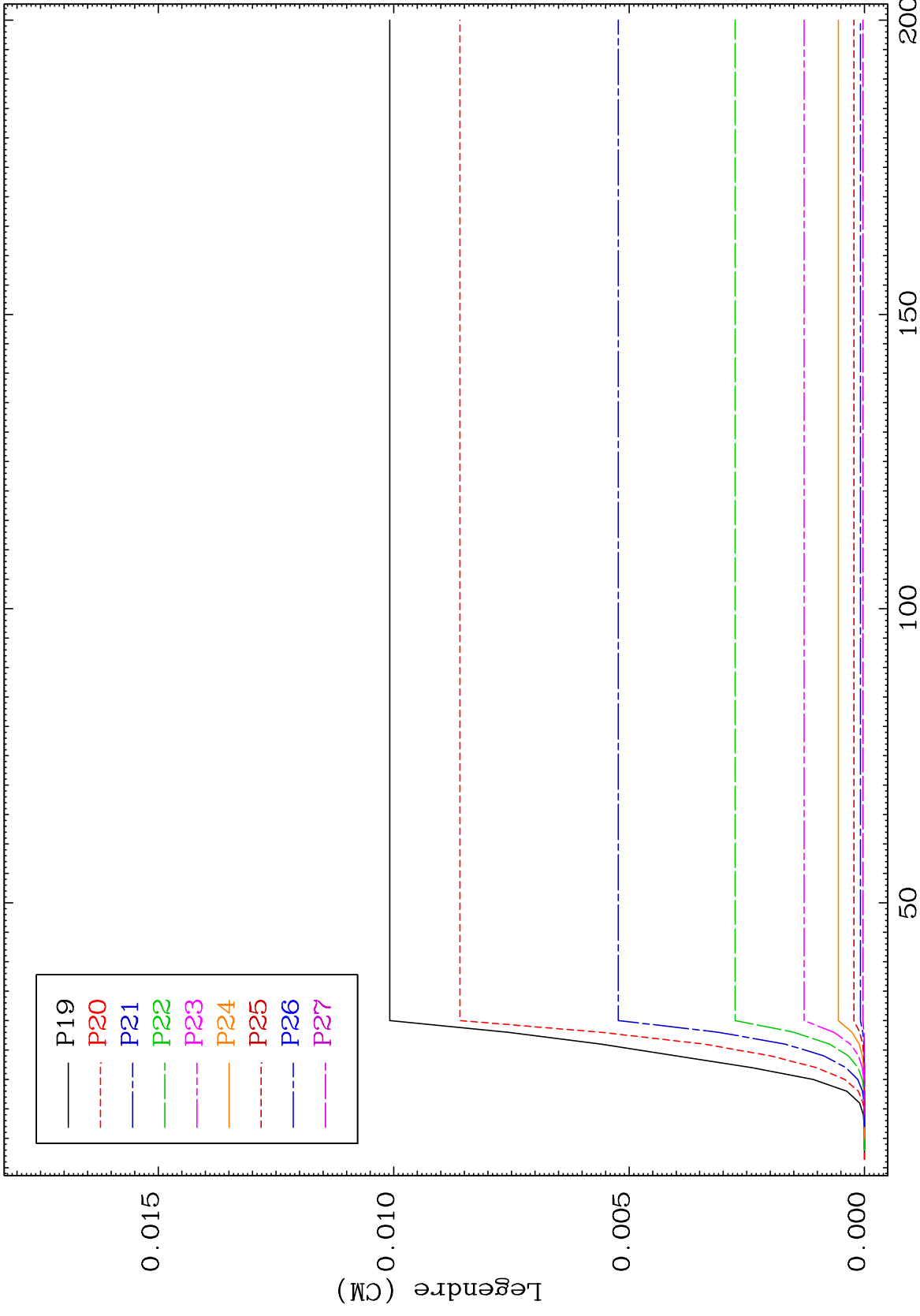
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



73

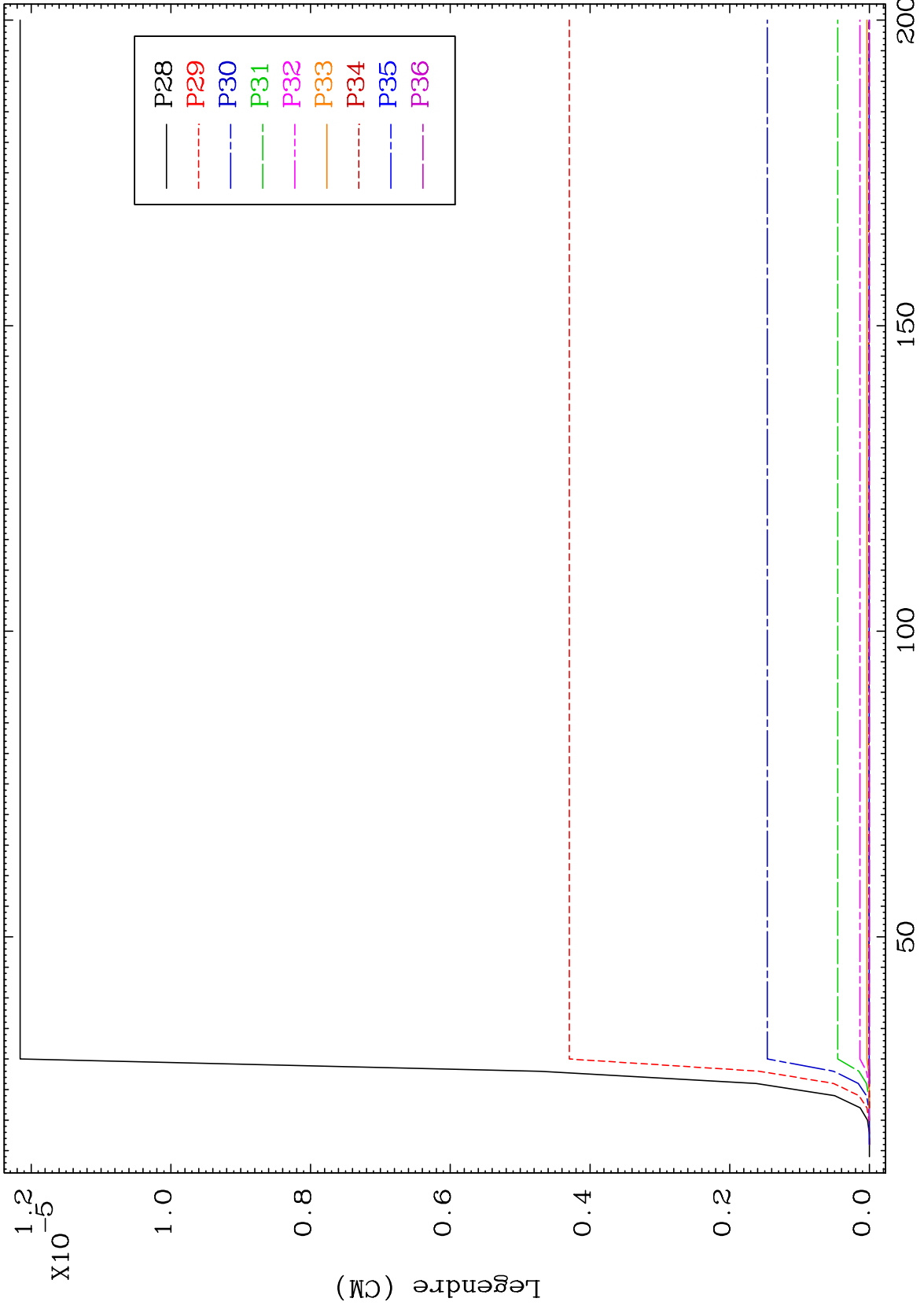
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



74

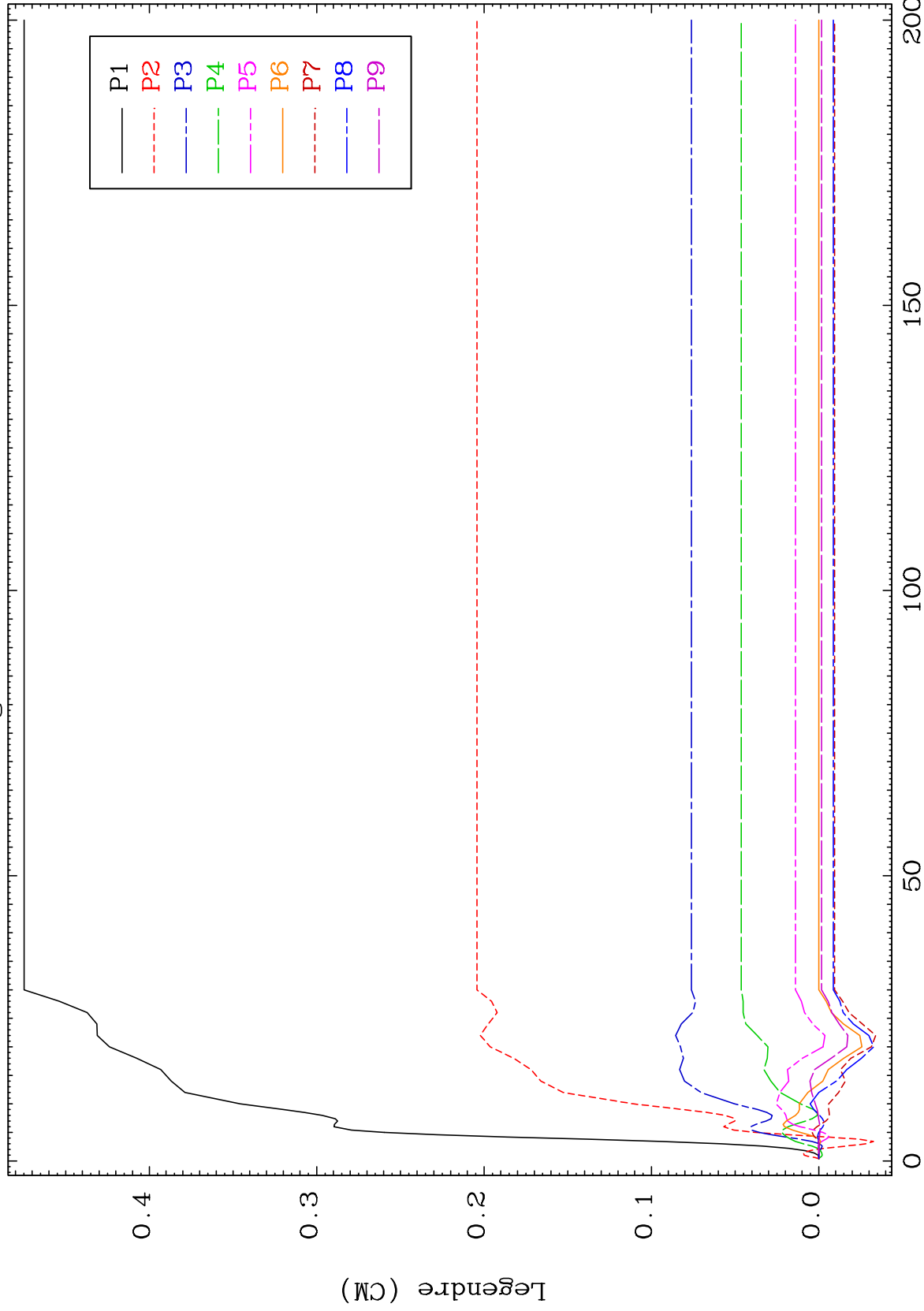
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



75

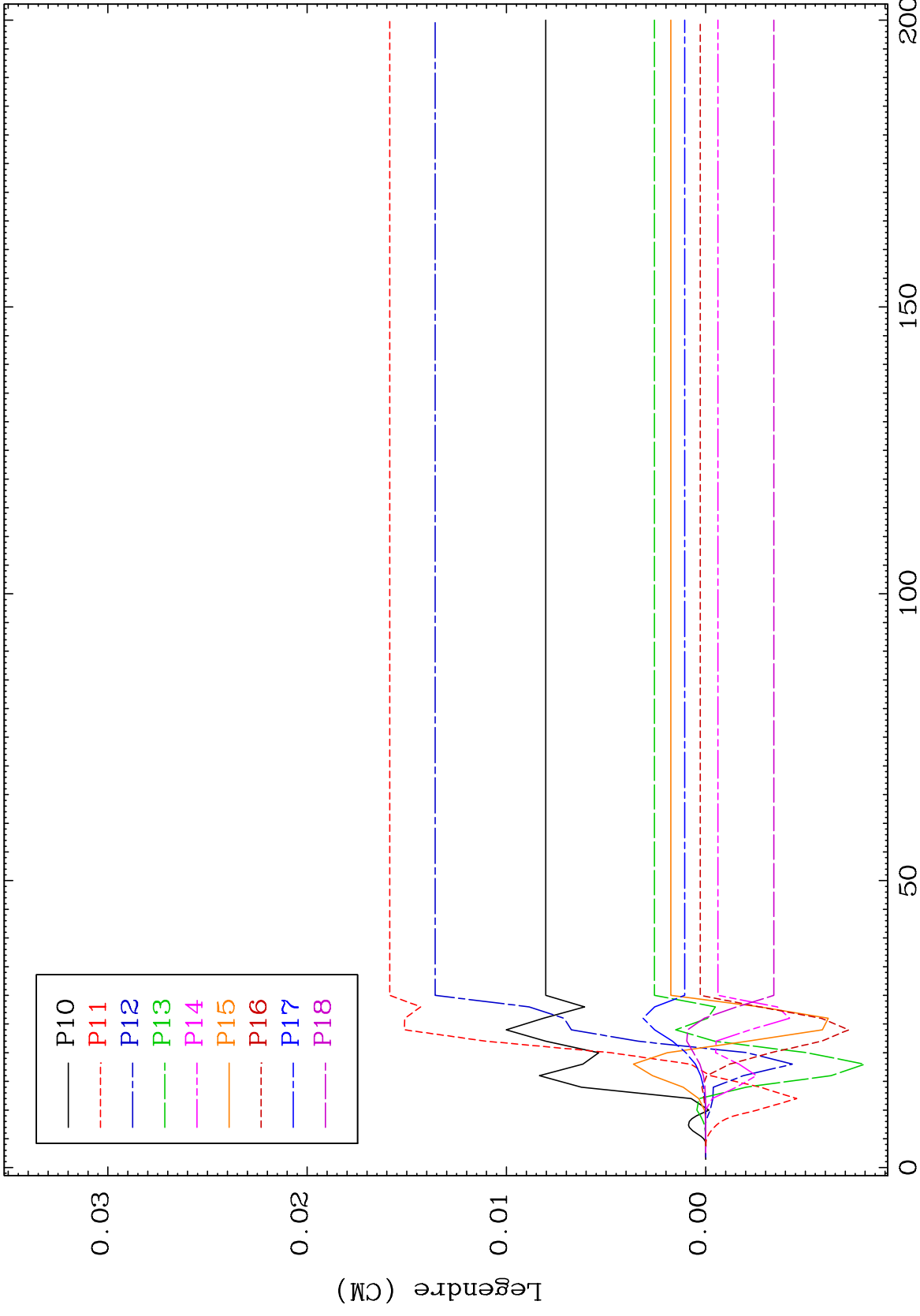
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



76

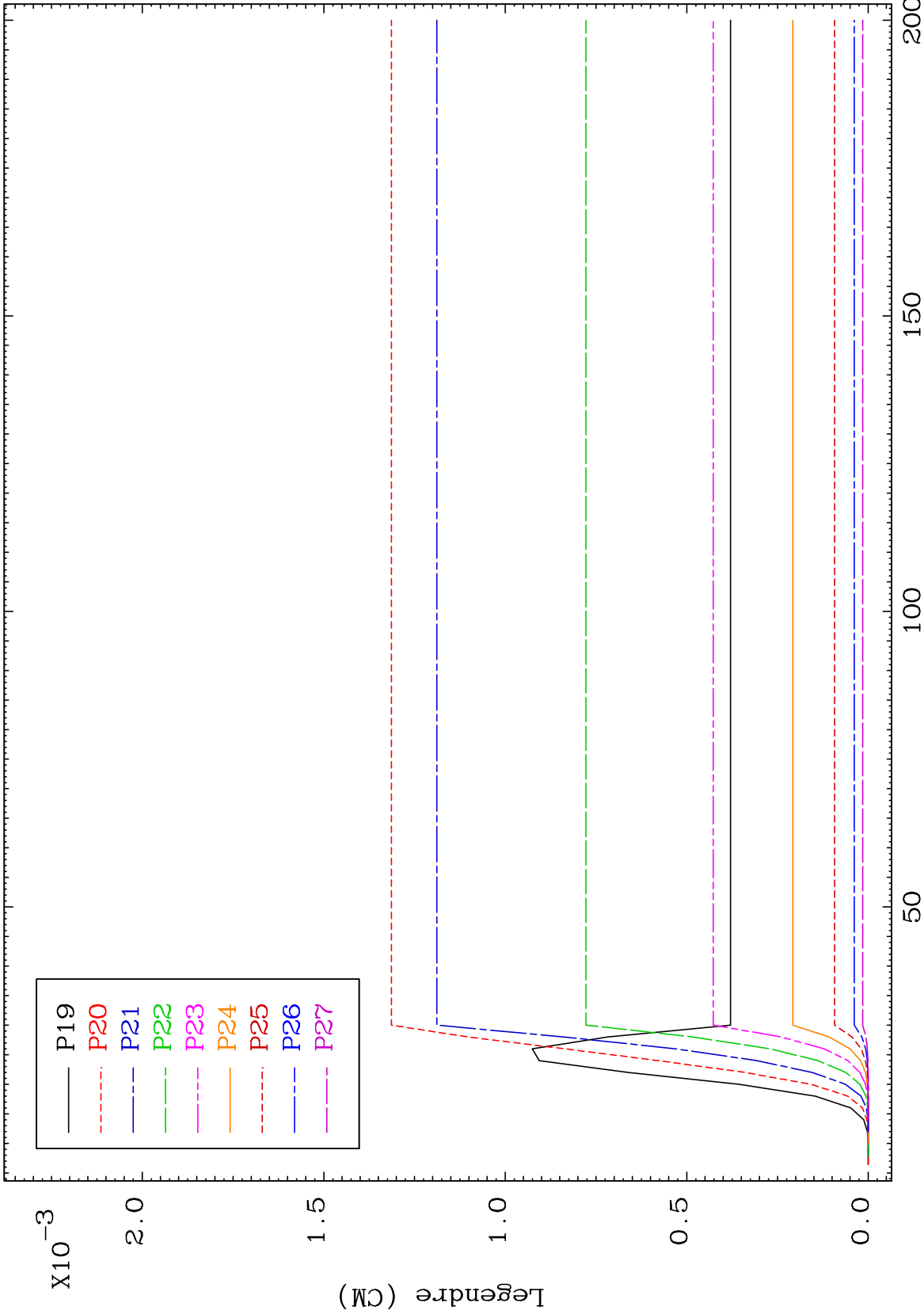
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



77

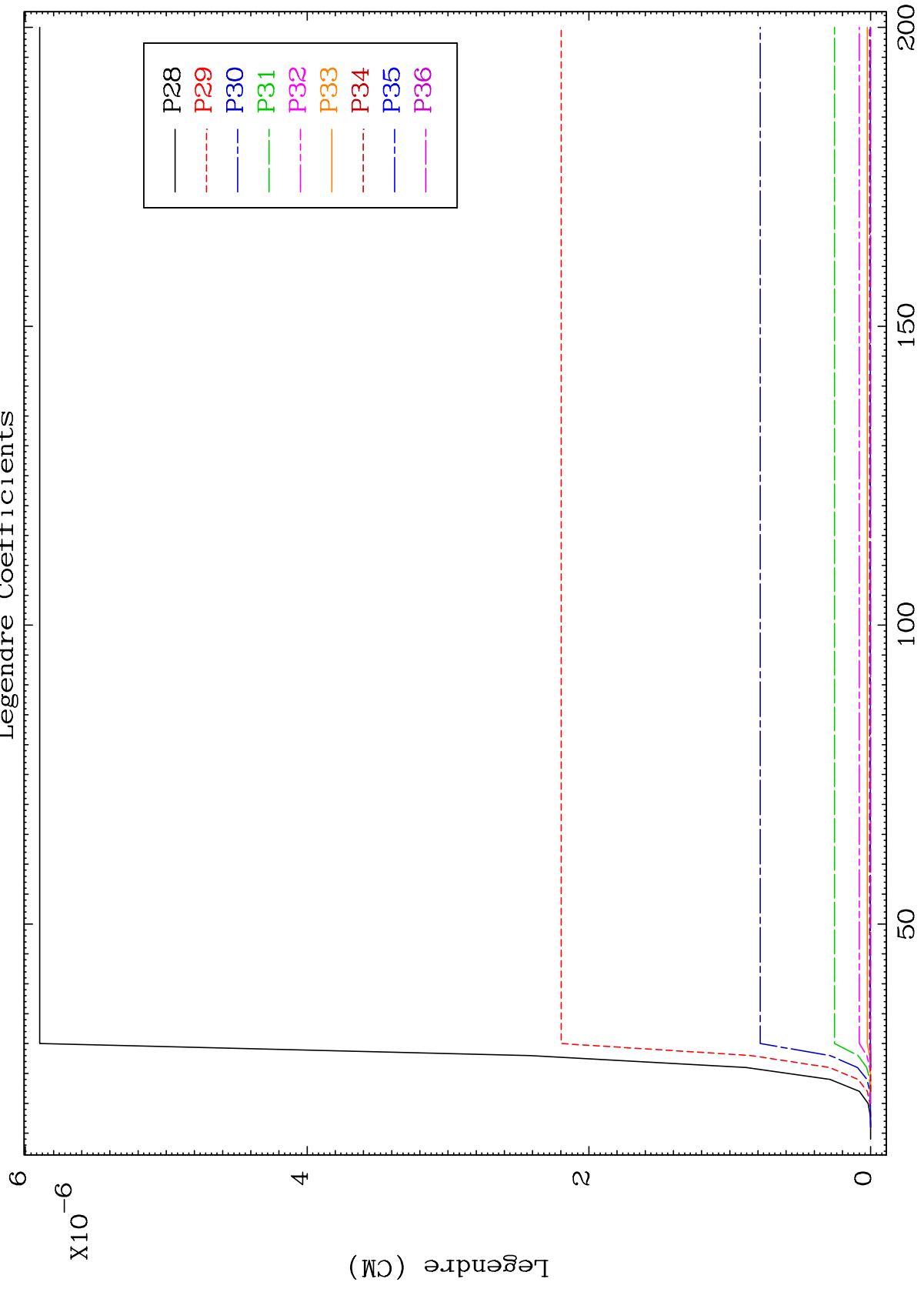
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



78

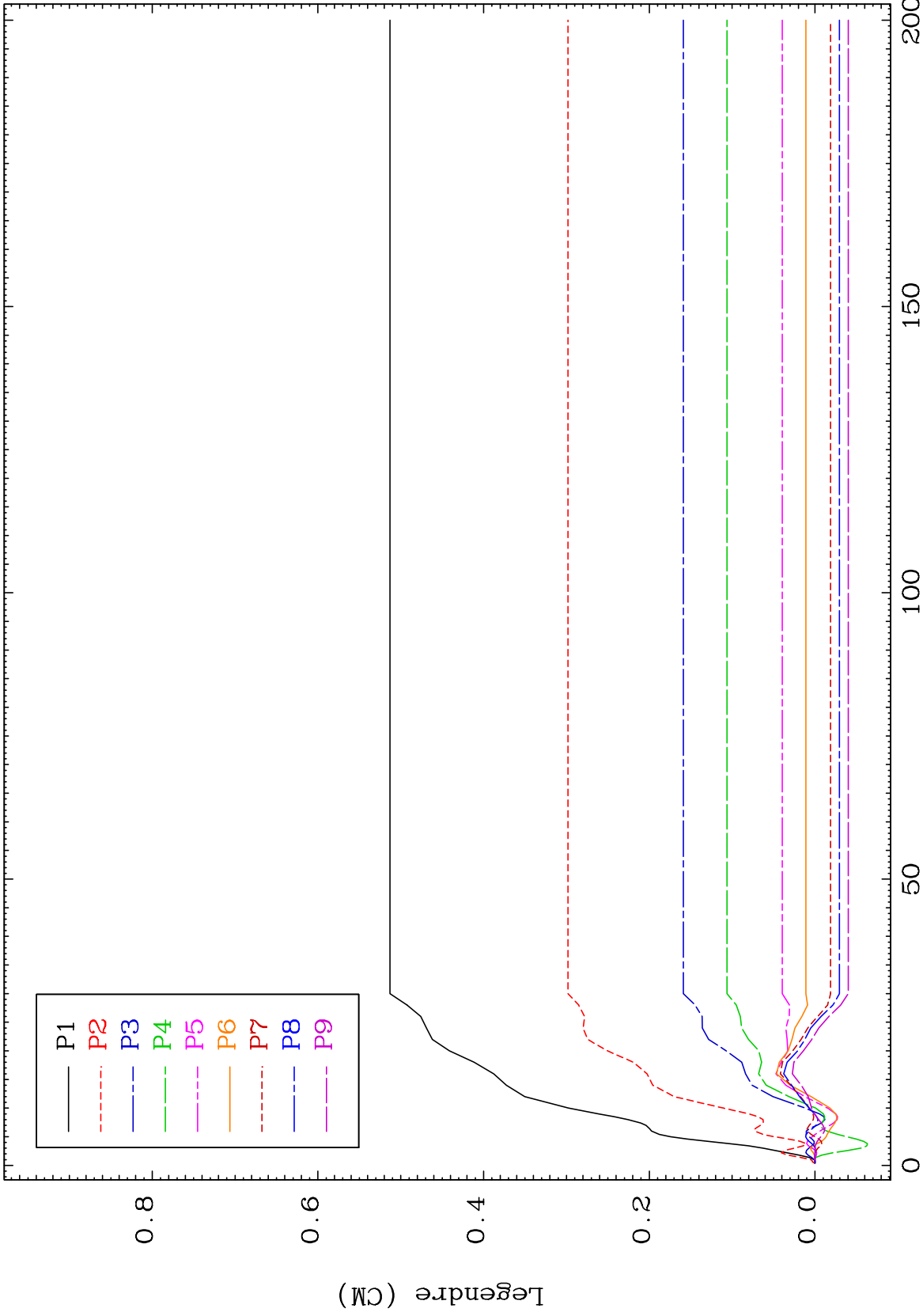
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



79

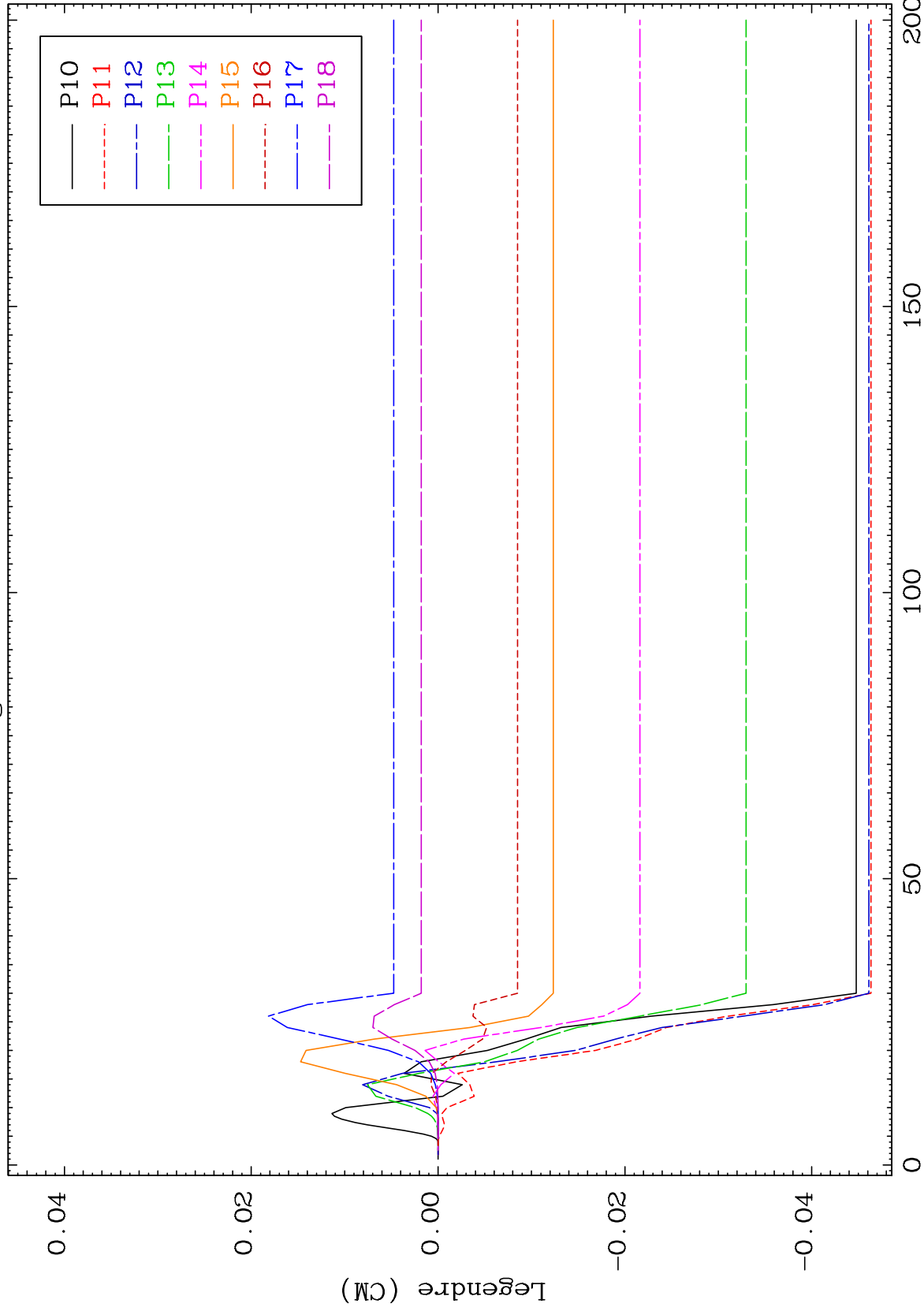
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



0

50

100

150

200

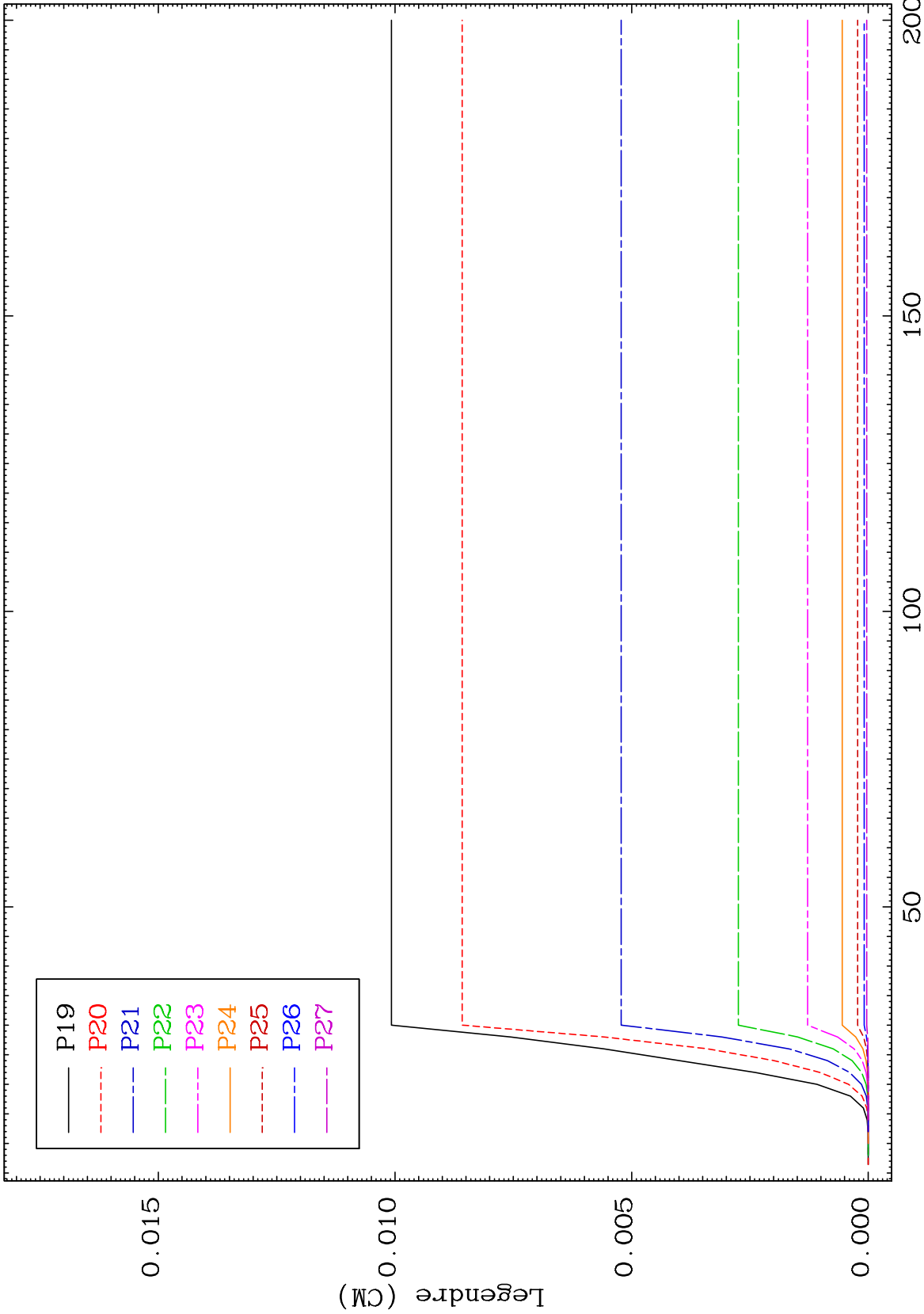
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



81

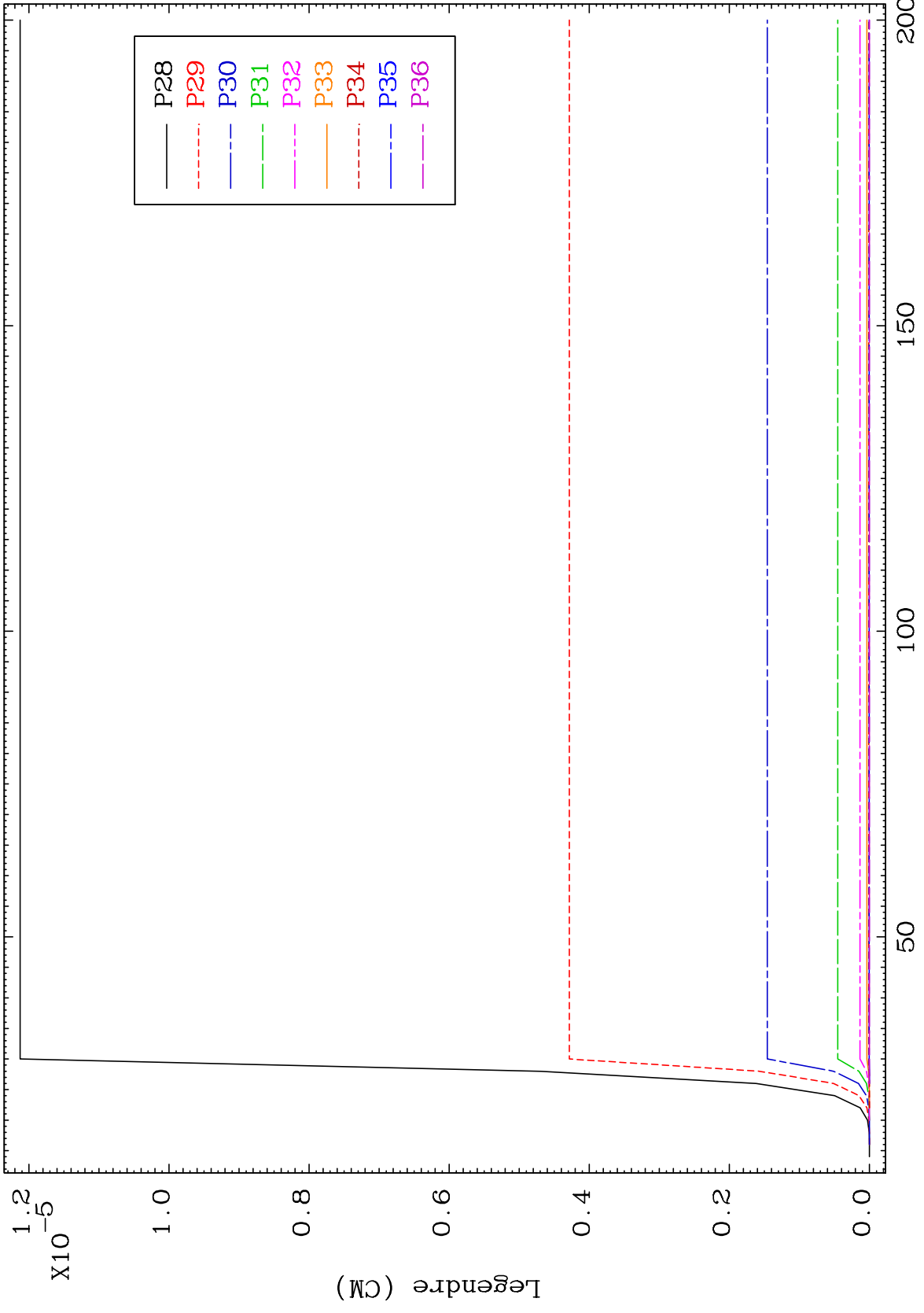
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



82

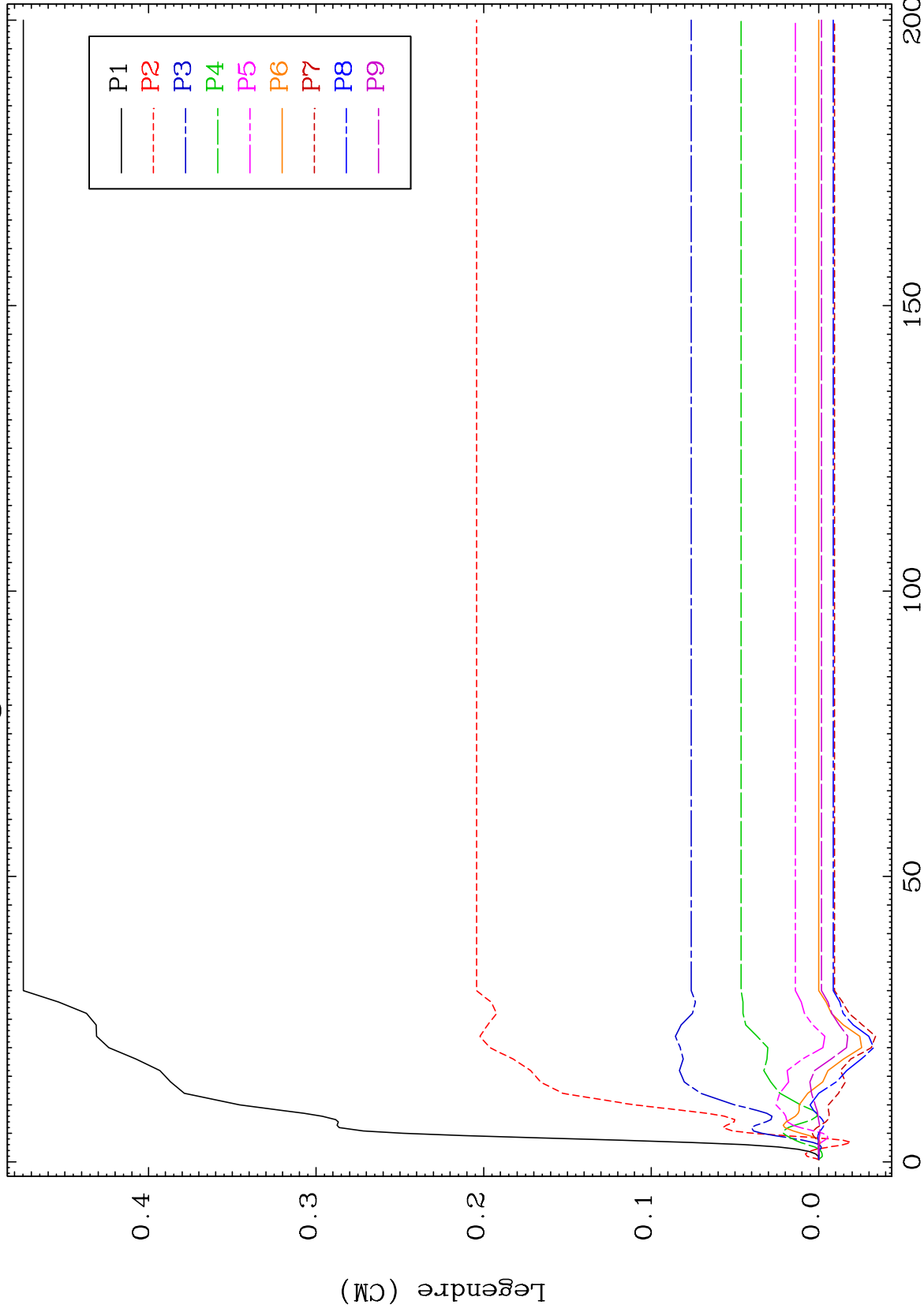
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



83

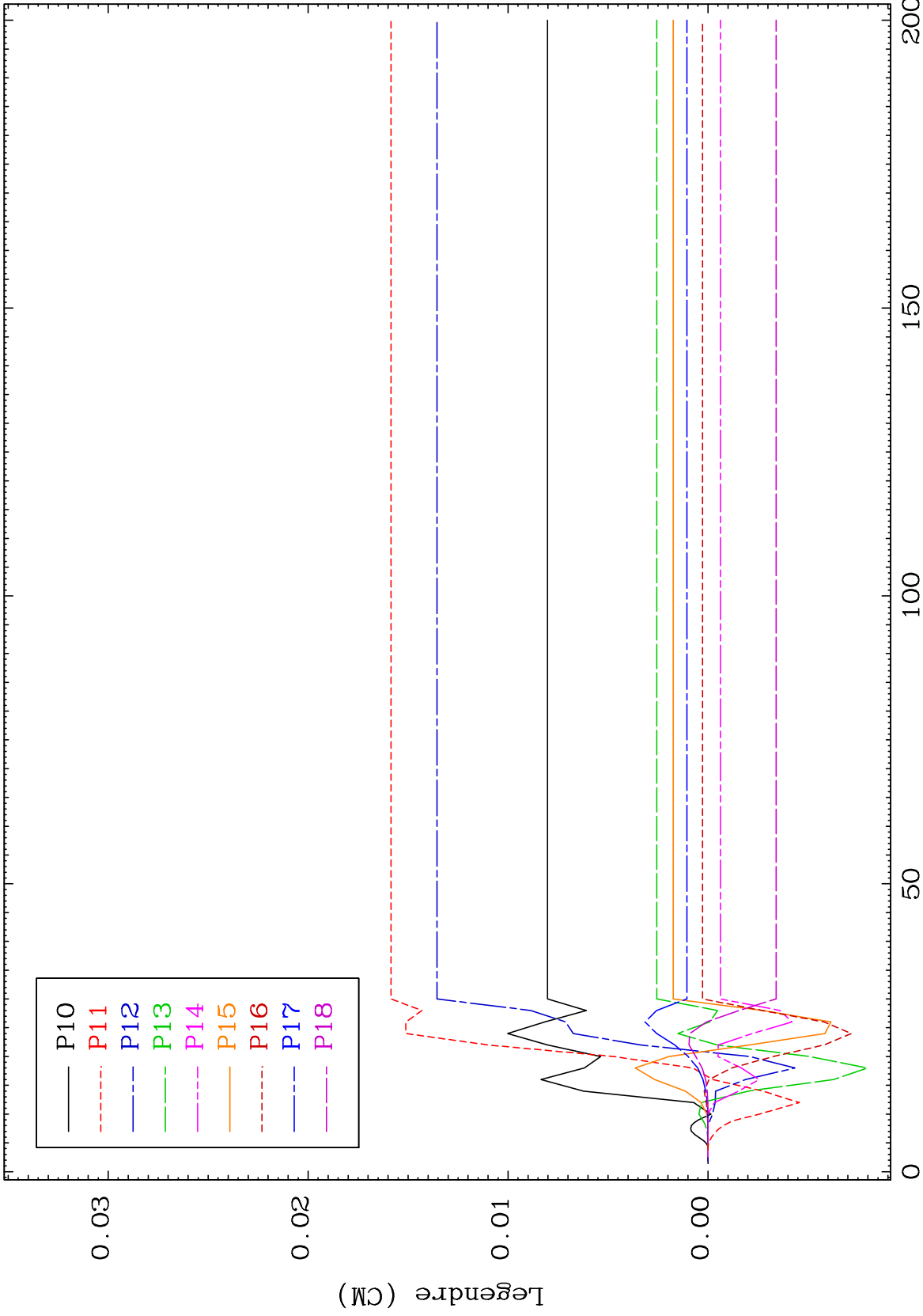
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



84

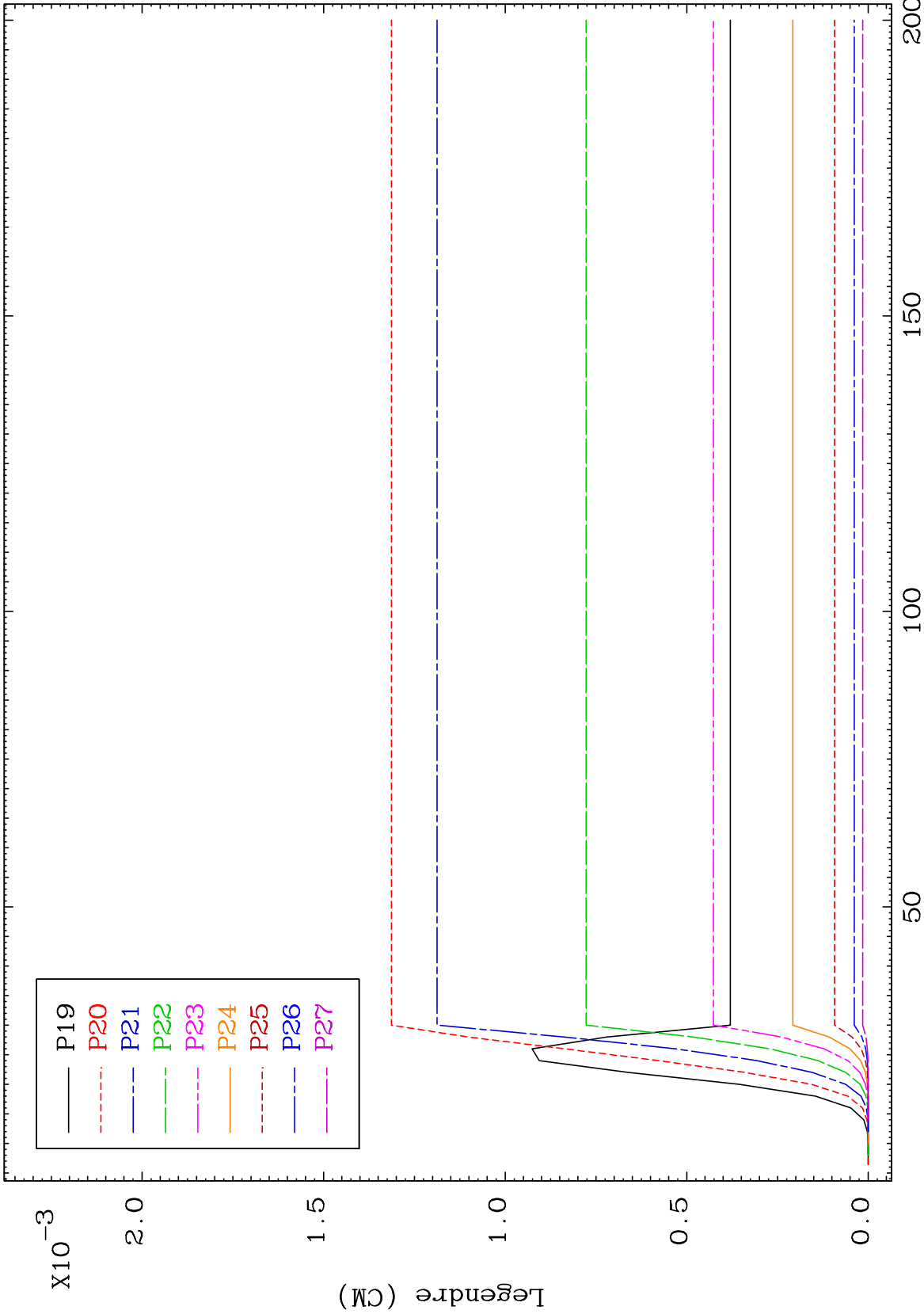
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

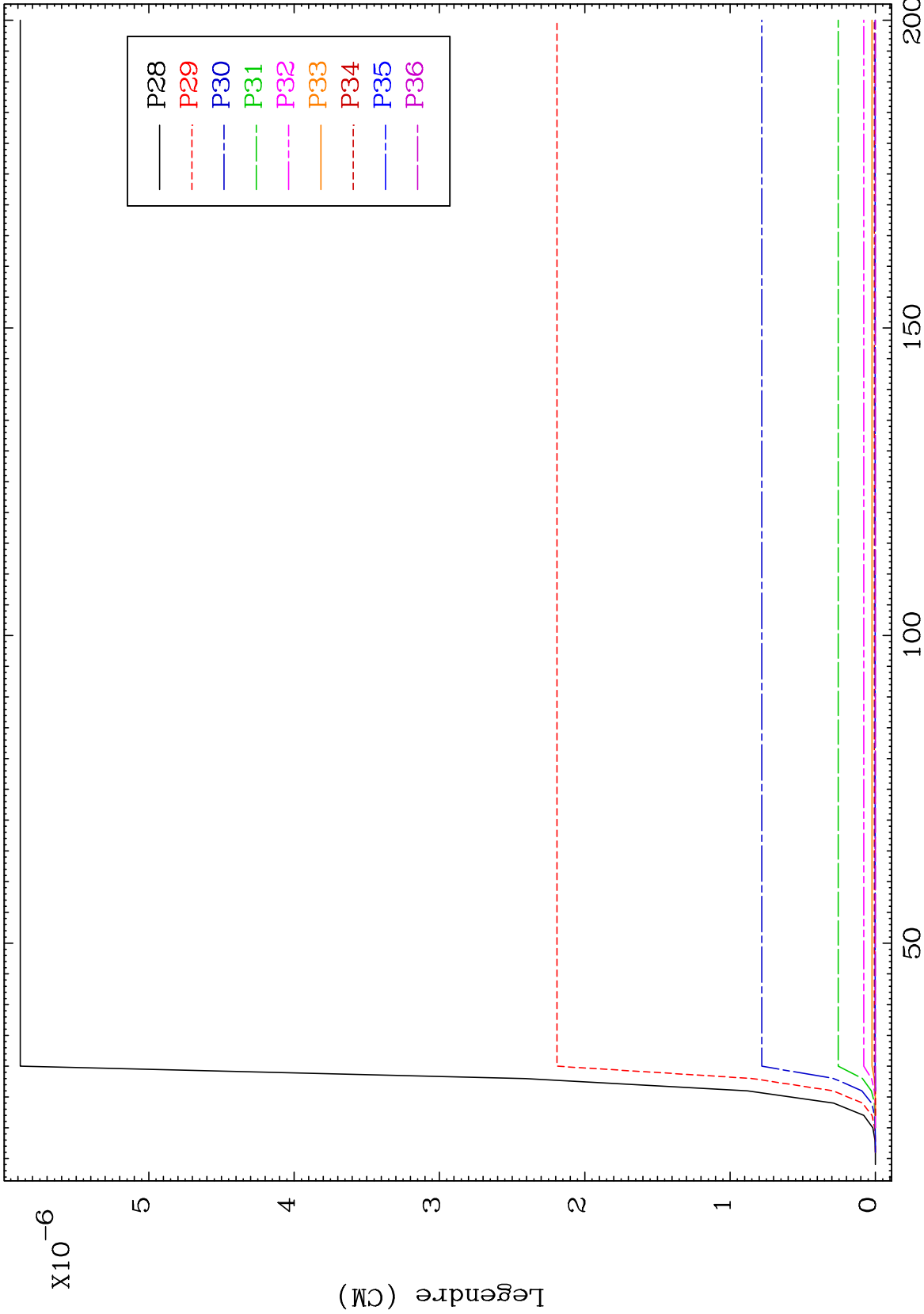
62-Sm-151



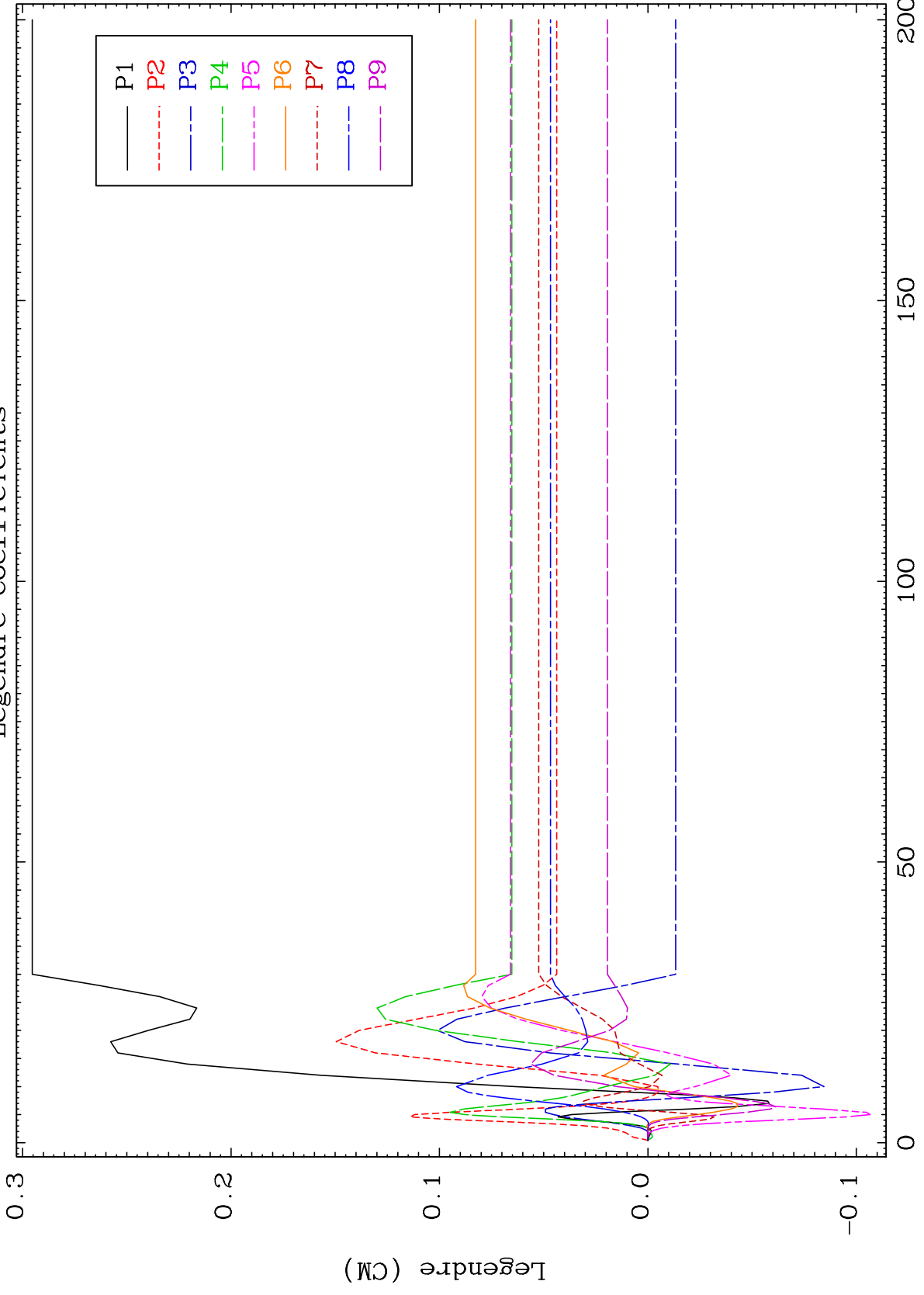
85

Incident Energy (MeV)

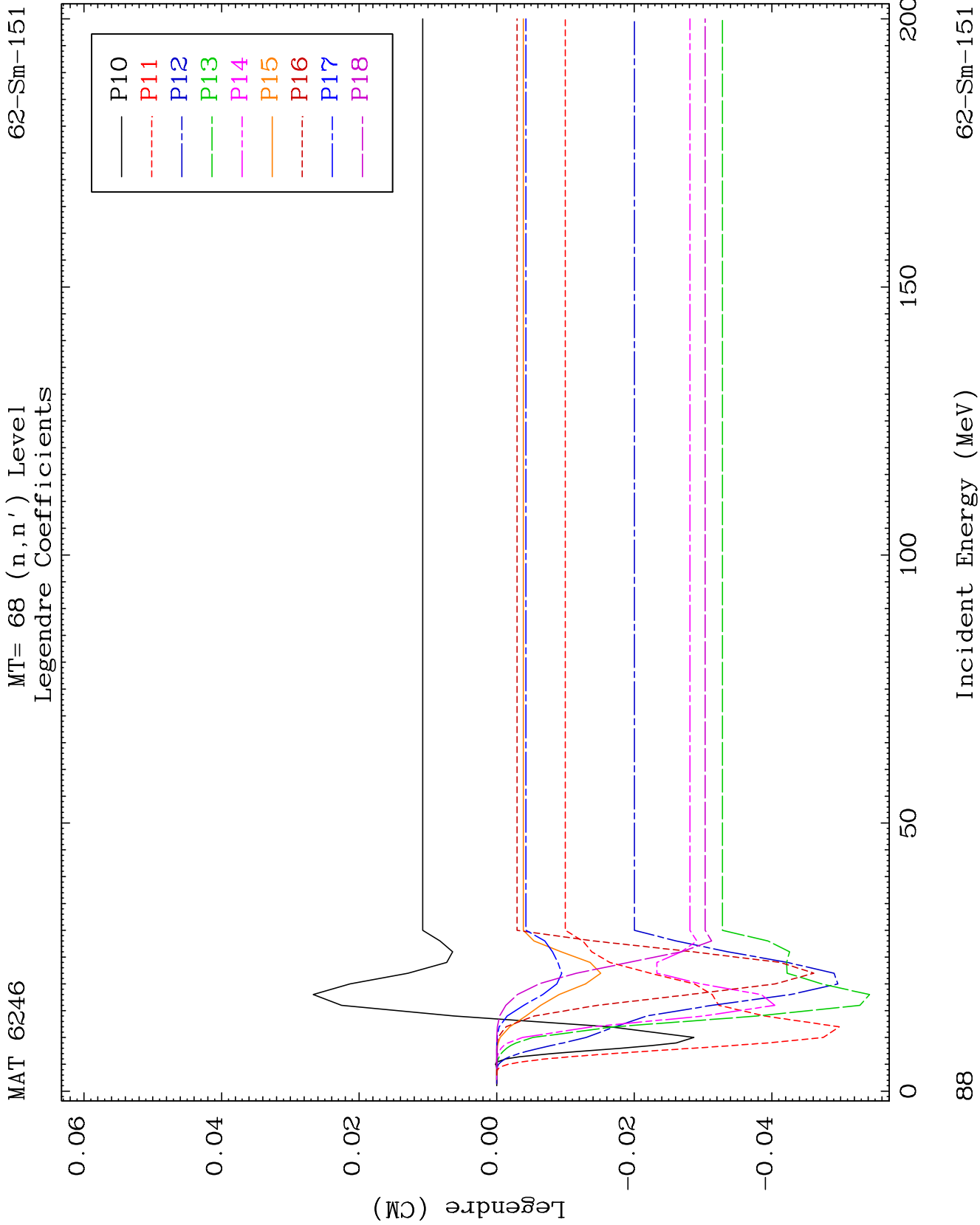
62-Sm-151



MAT 6246 MT= 68 (n,n') Level Legendre Coefficients 62-Sm-151



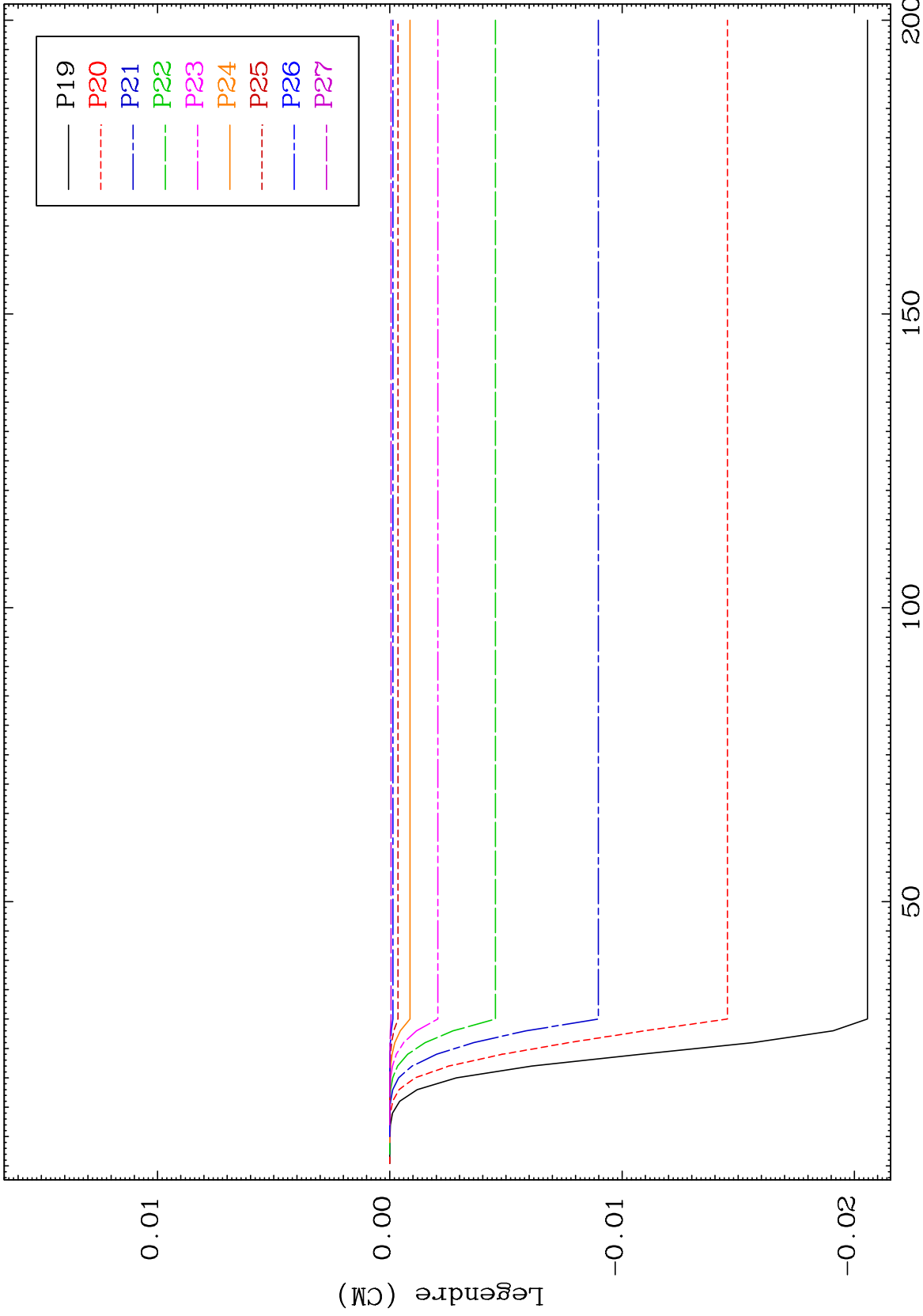
87 62-Sm-151



MAT 6246

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

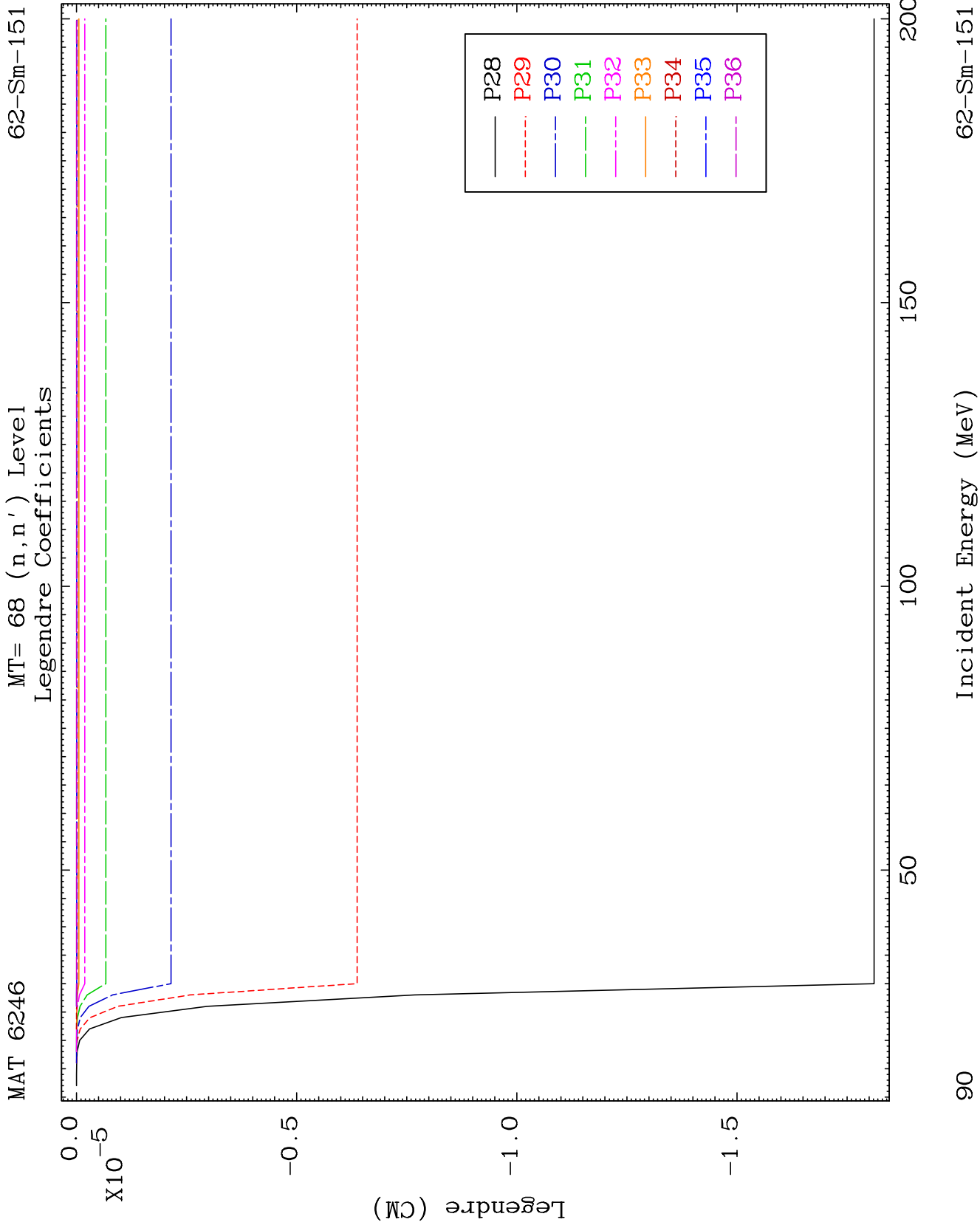
62-Sm-151



89

Incident Energy (MeV)

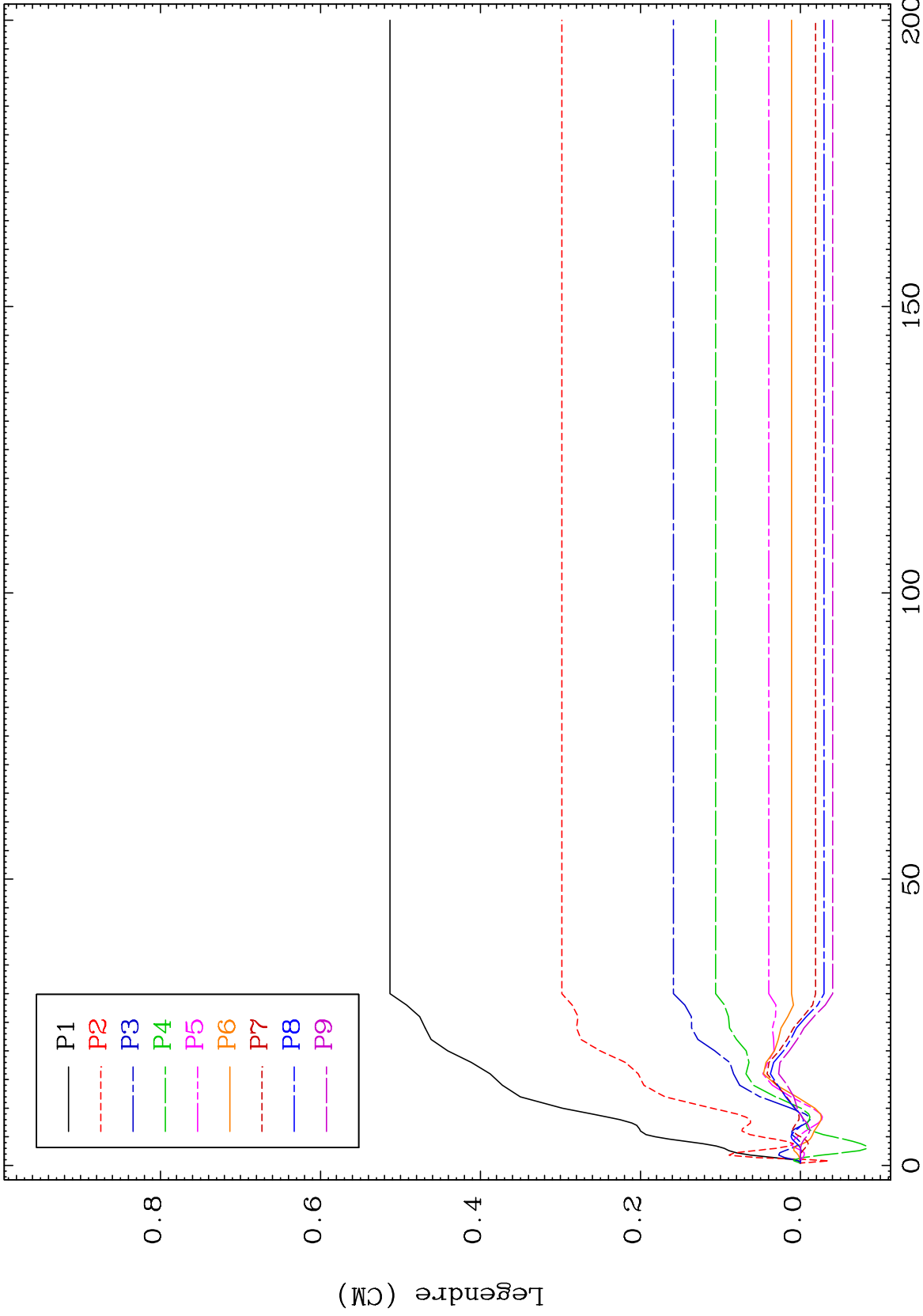
62-Sm-151



MAT 6246

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

62-Sm-151



91

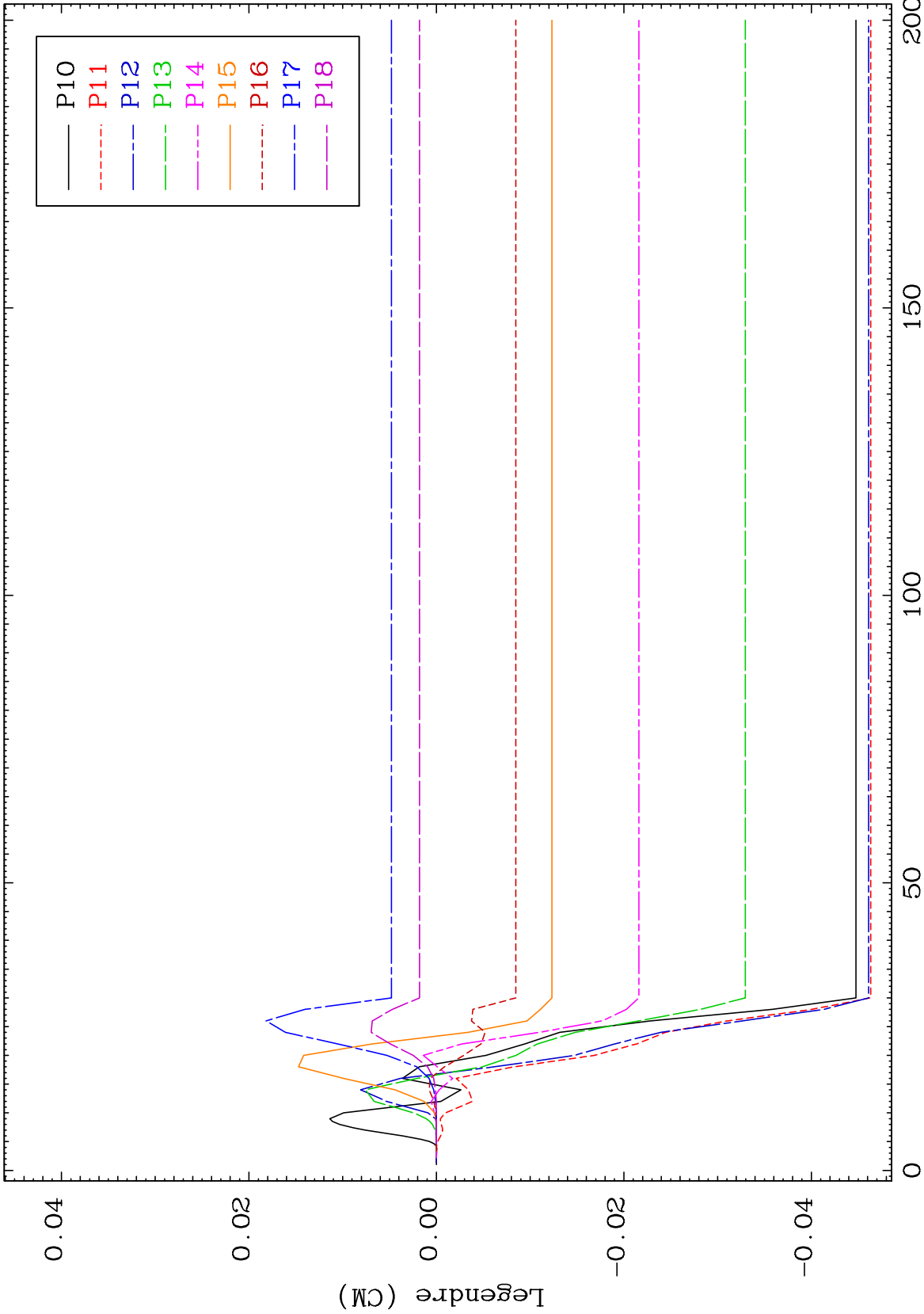
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



92

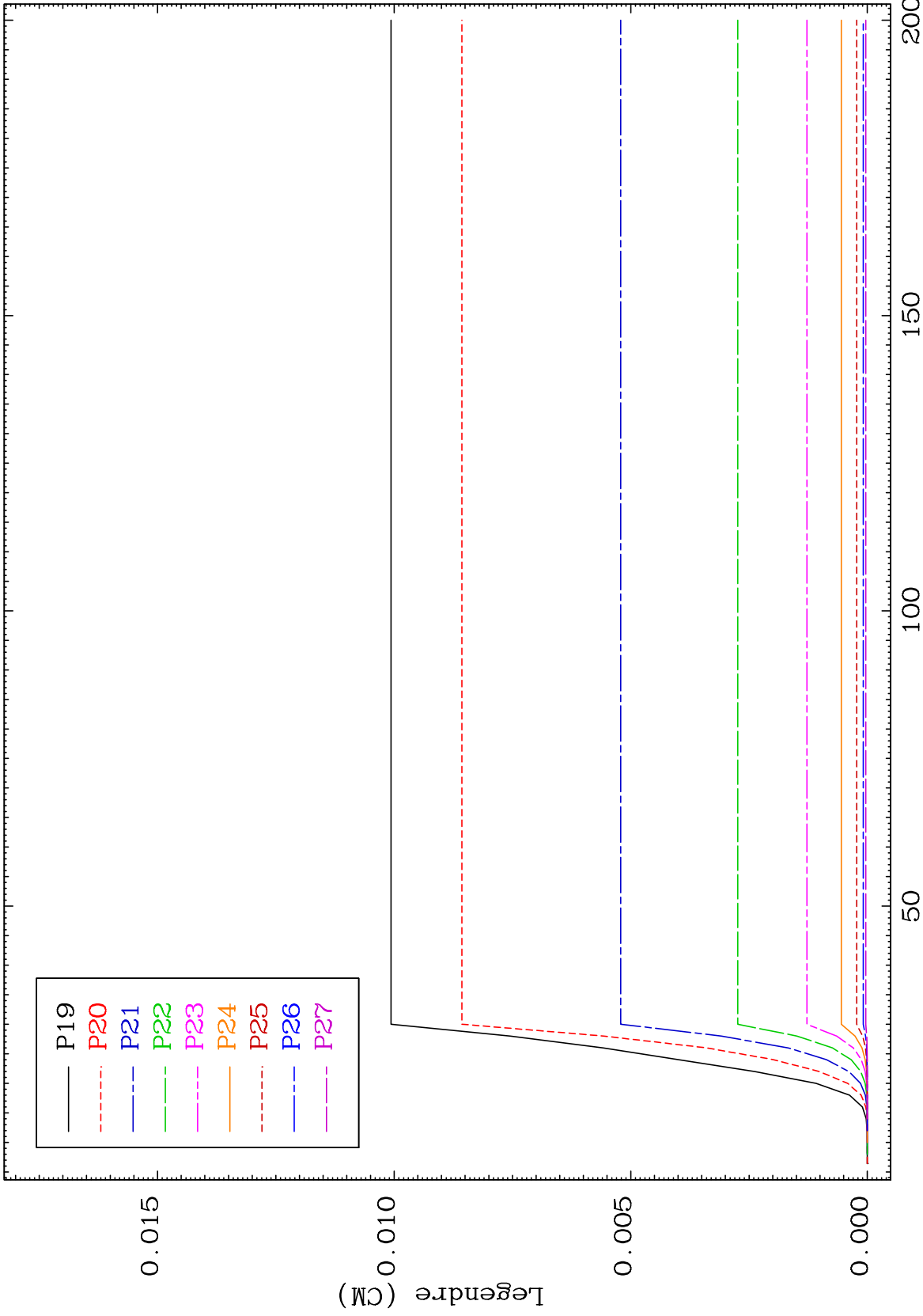
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



93

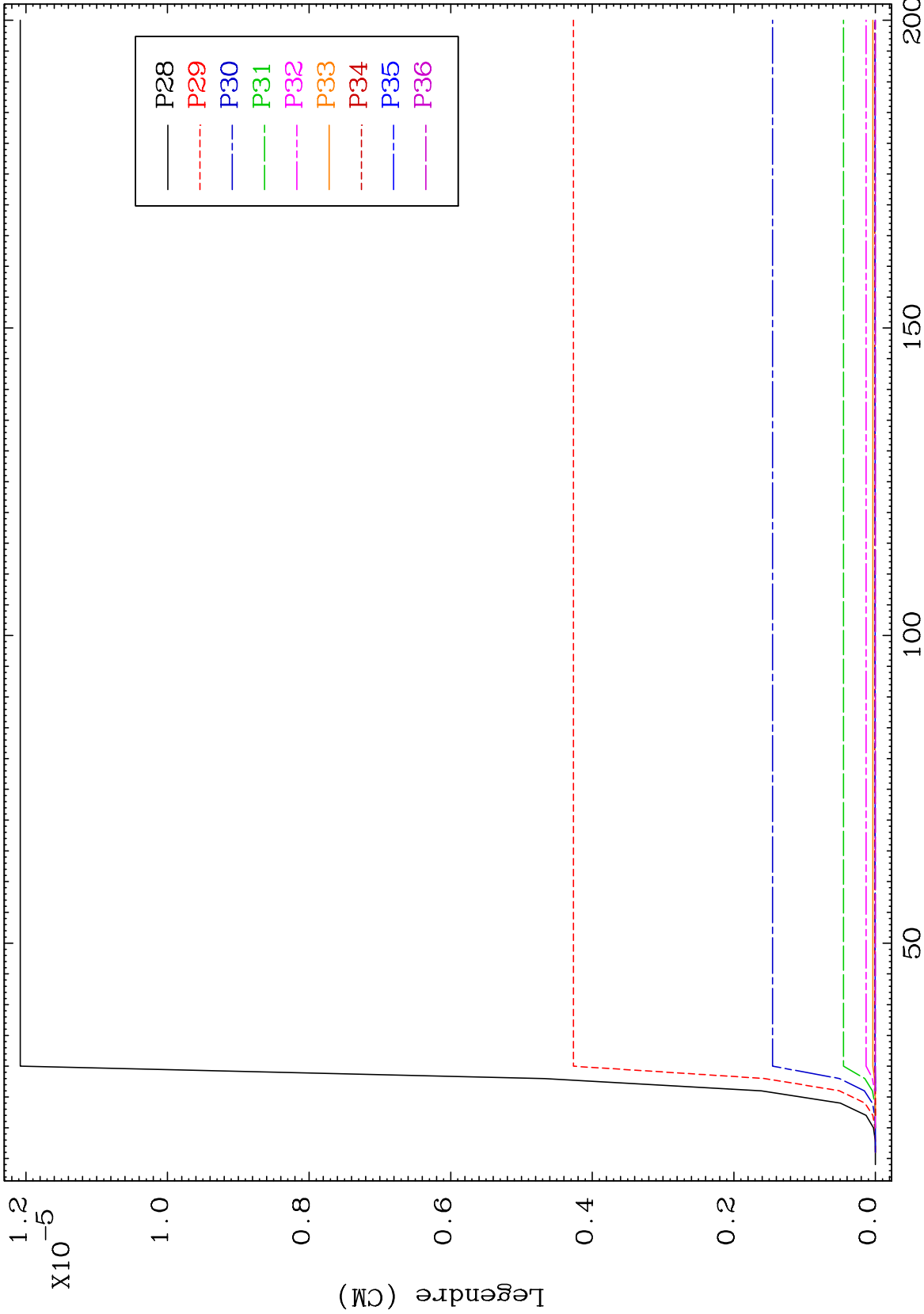
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



94

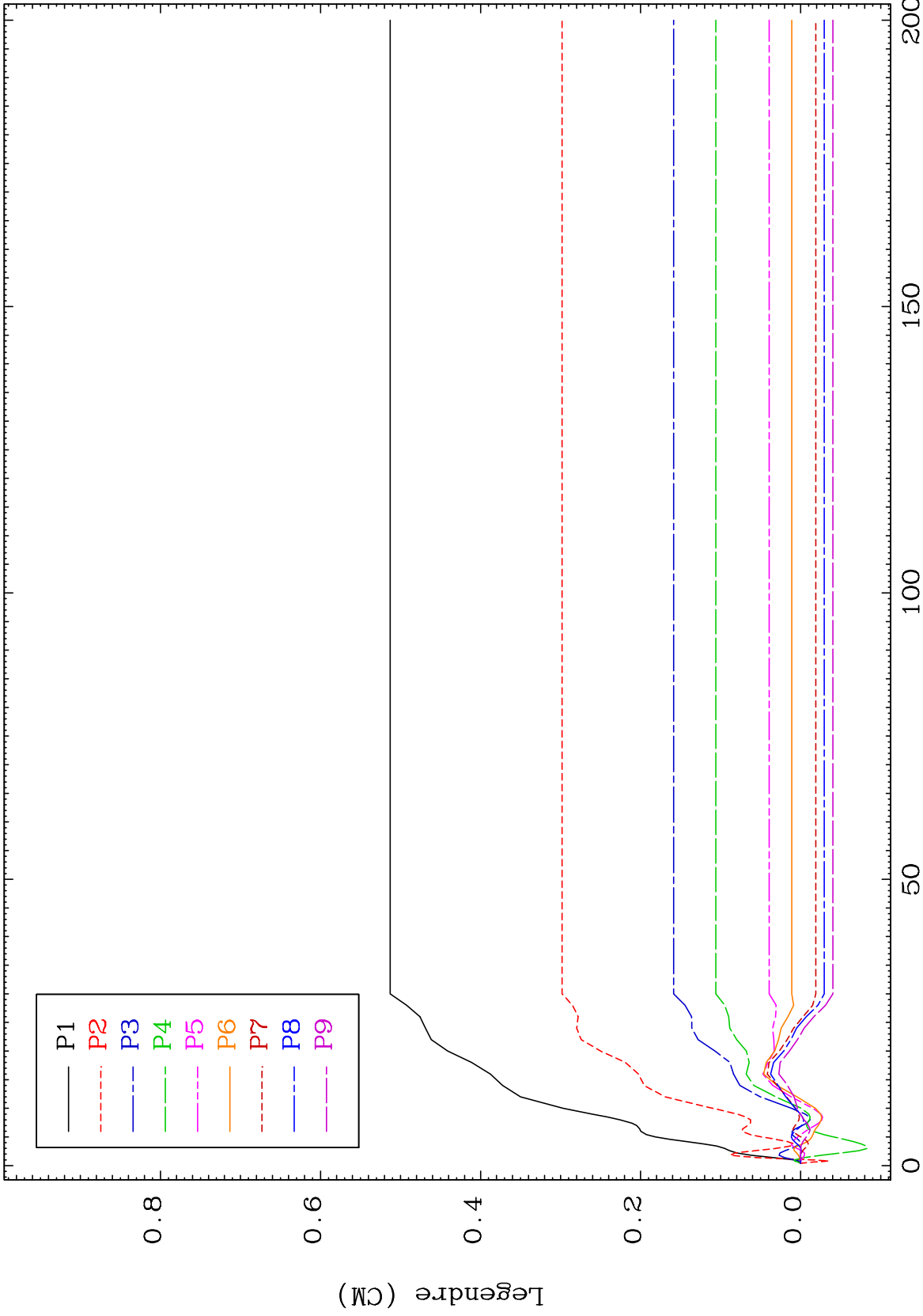
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



95

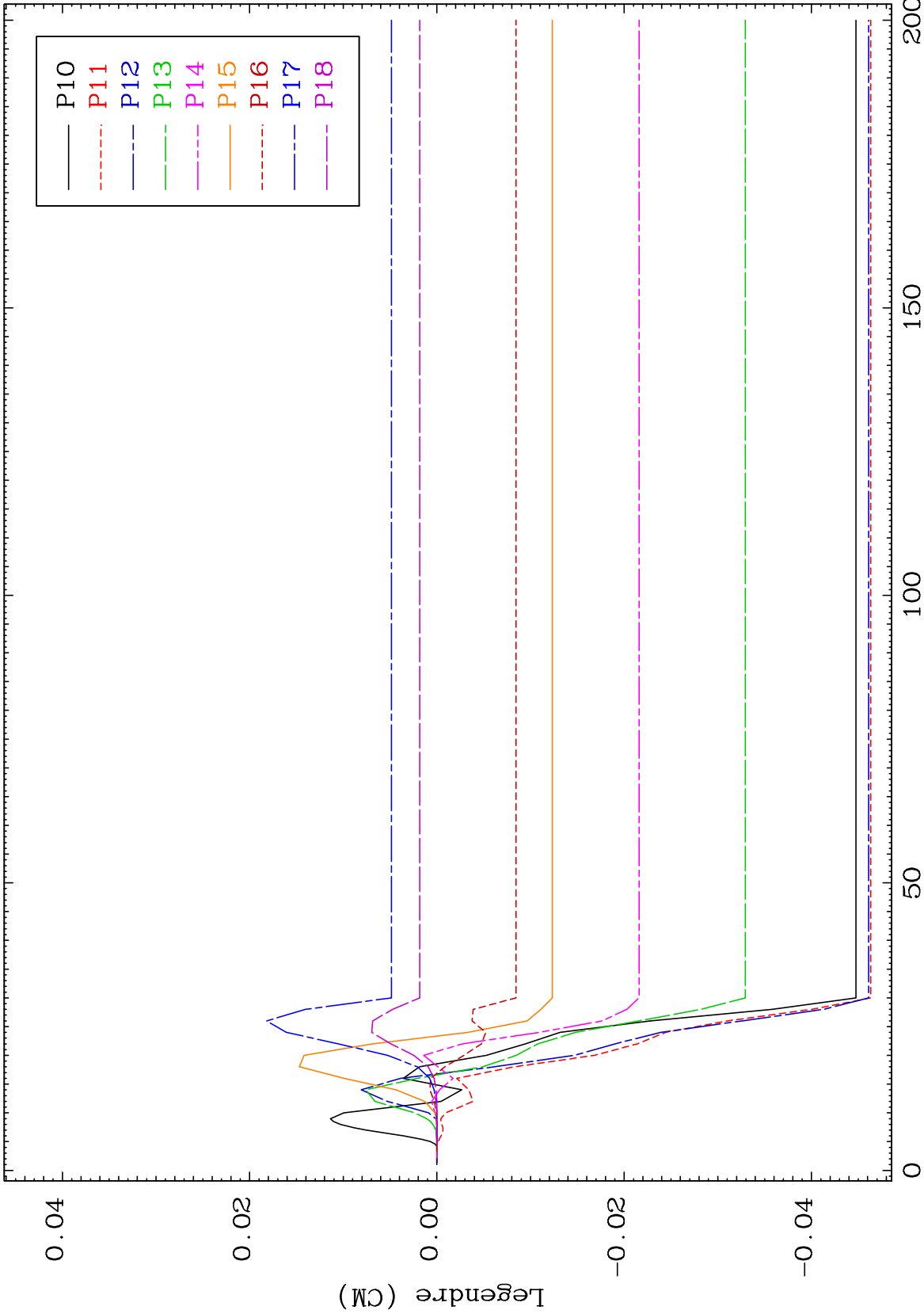
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



96

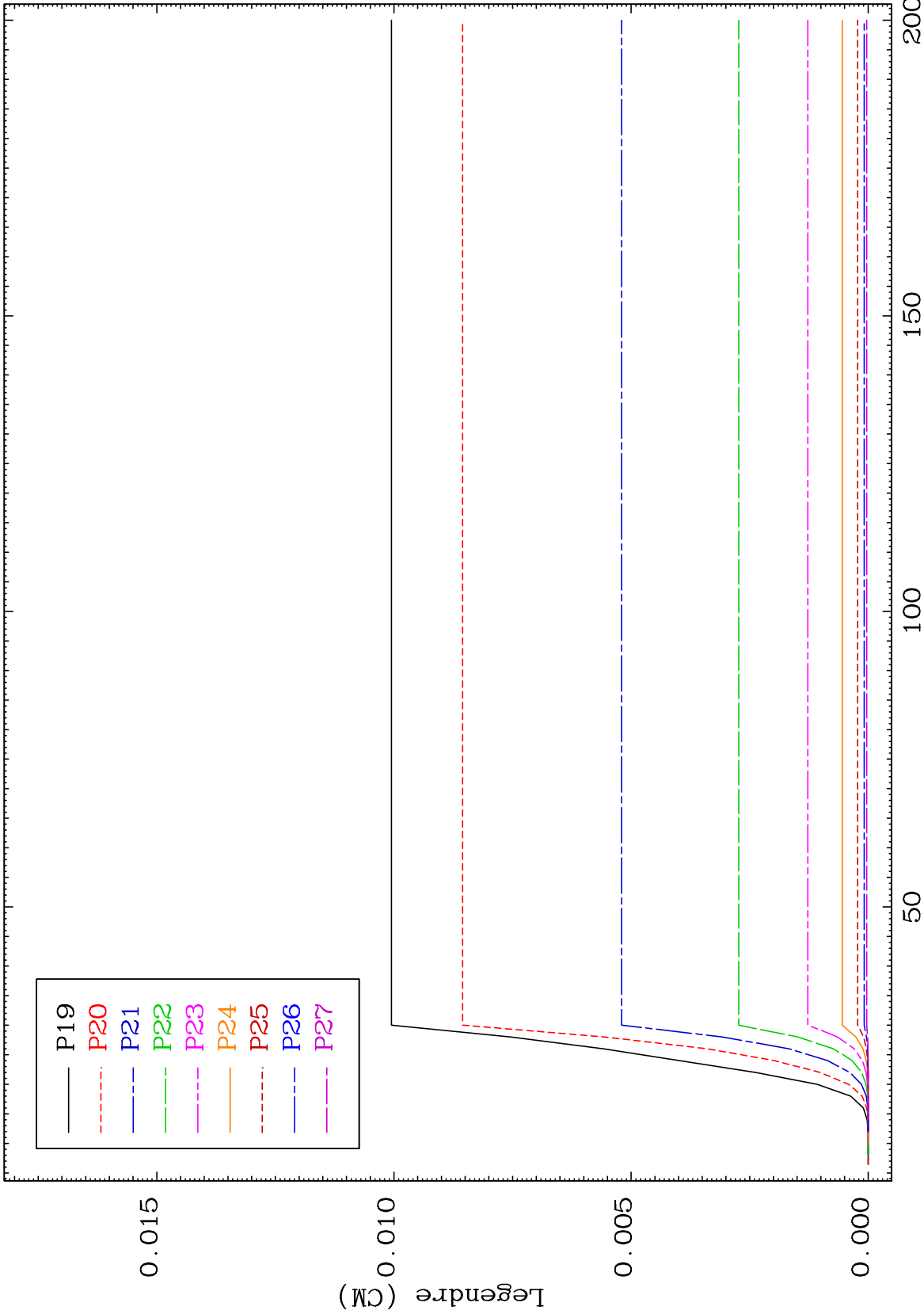
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



97

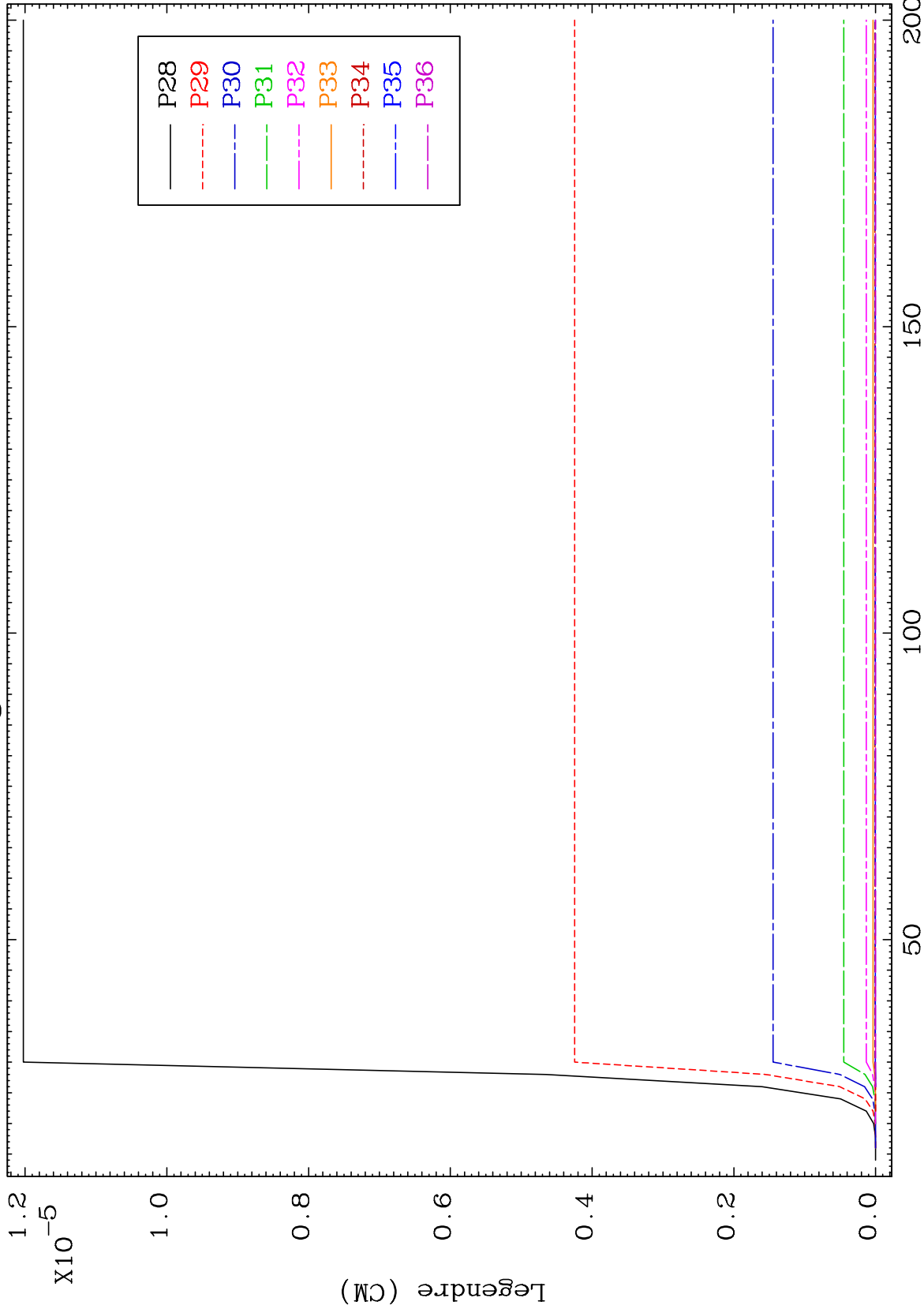
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



98

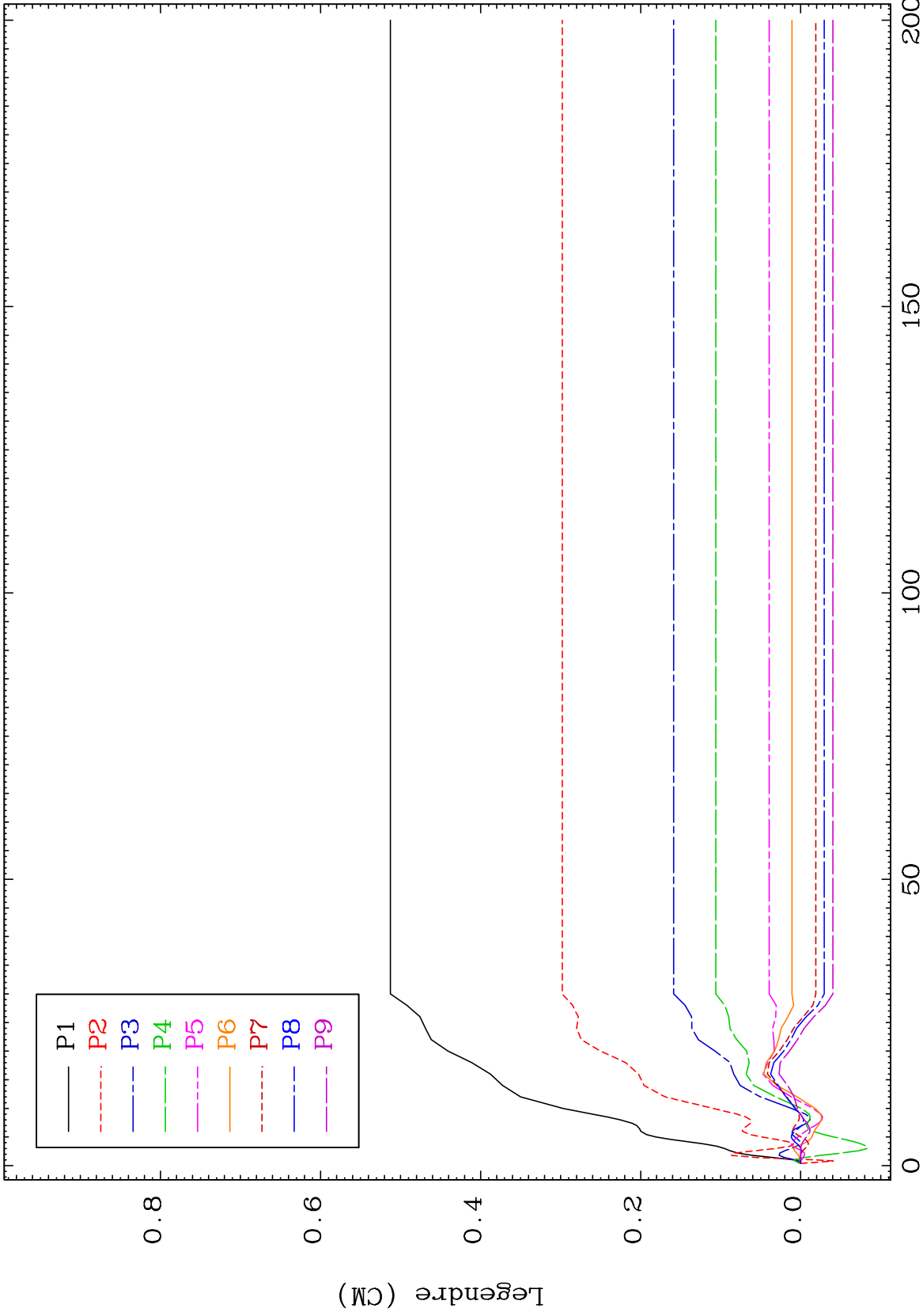
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



99

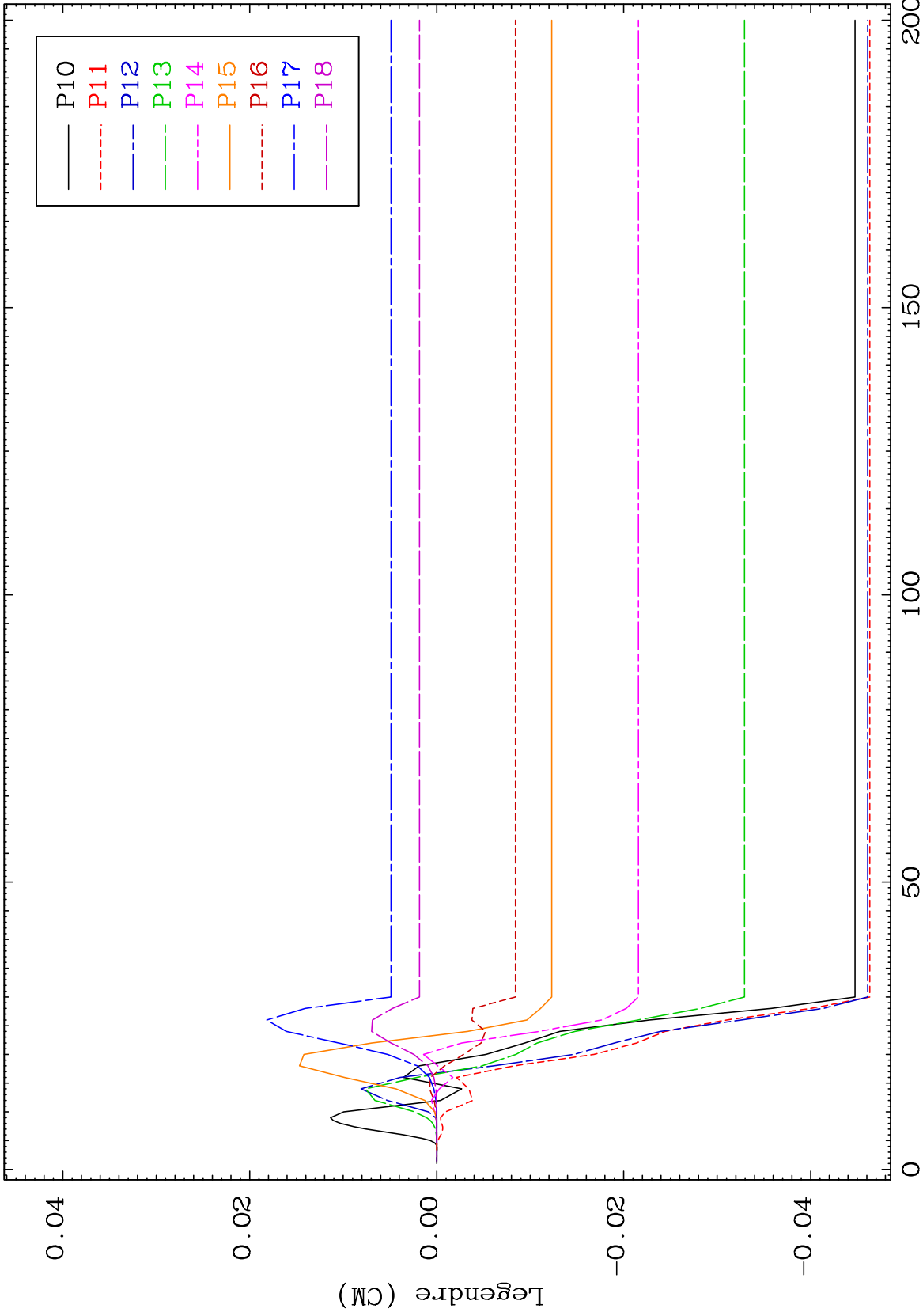
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



62-Sm-151

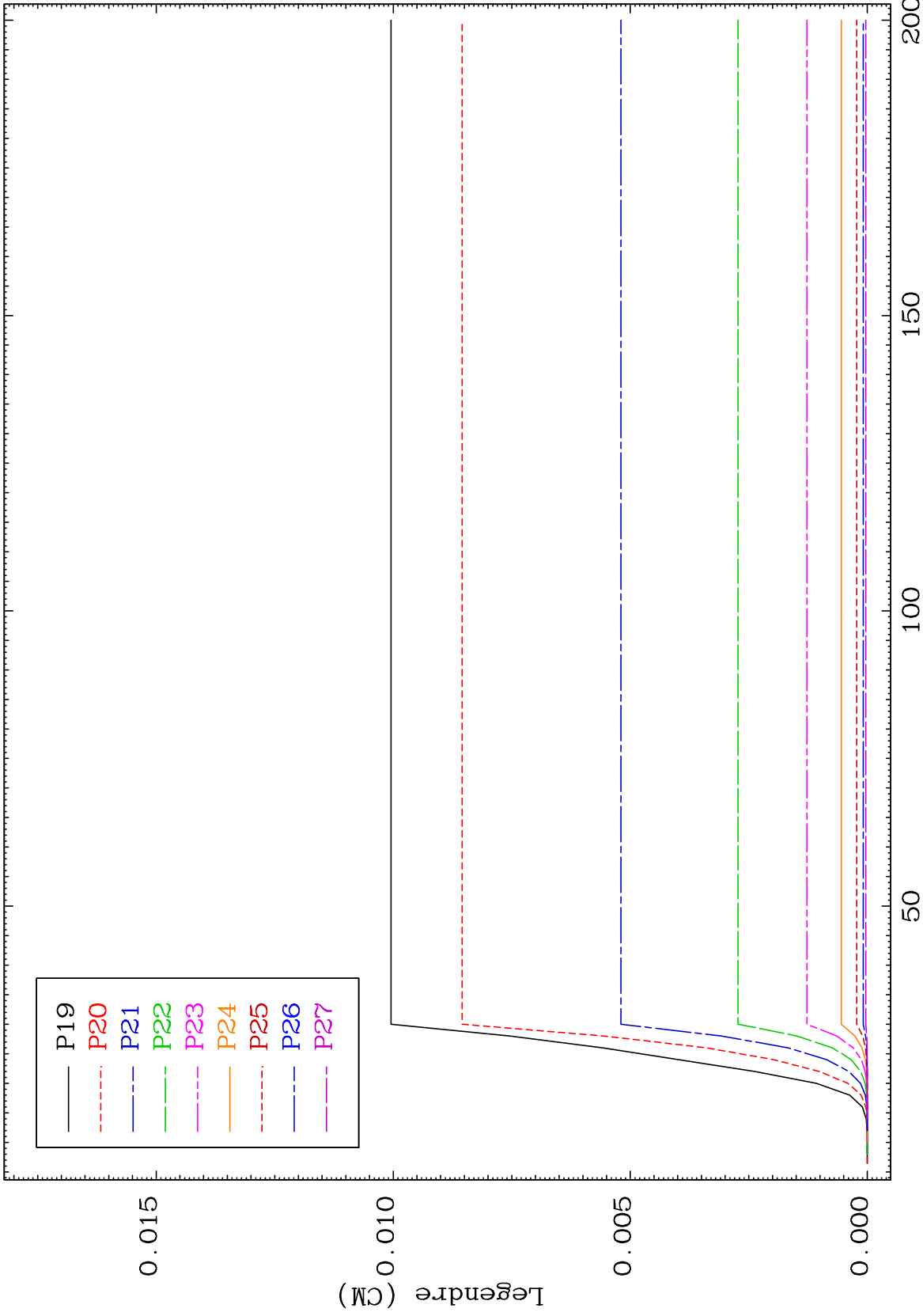
Incident Energy (MeV)

100

MAT 6246

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

62-Sm-151



101

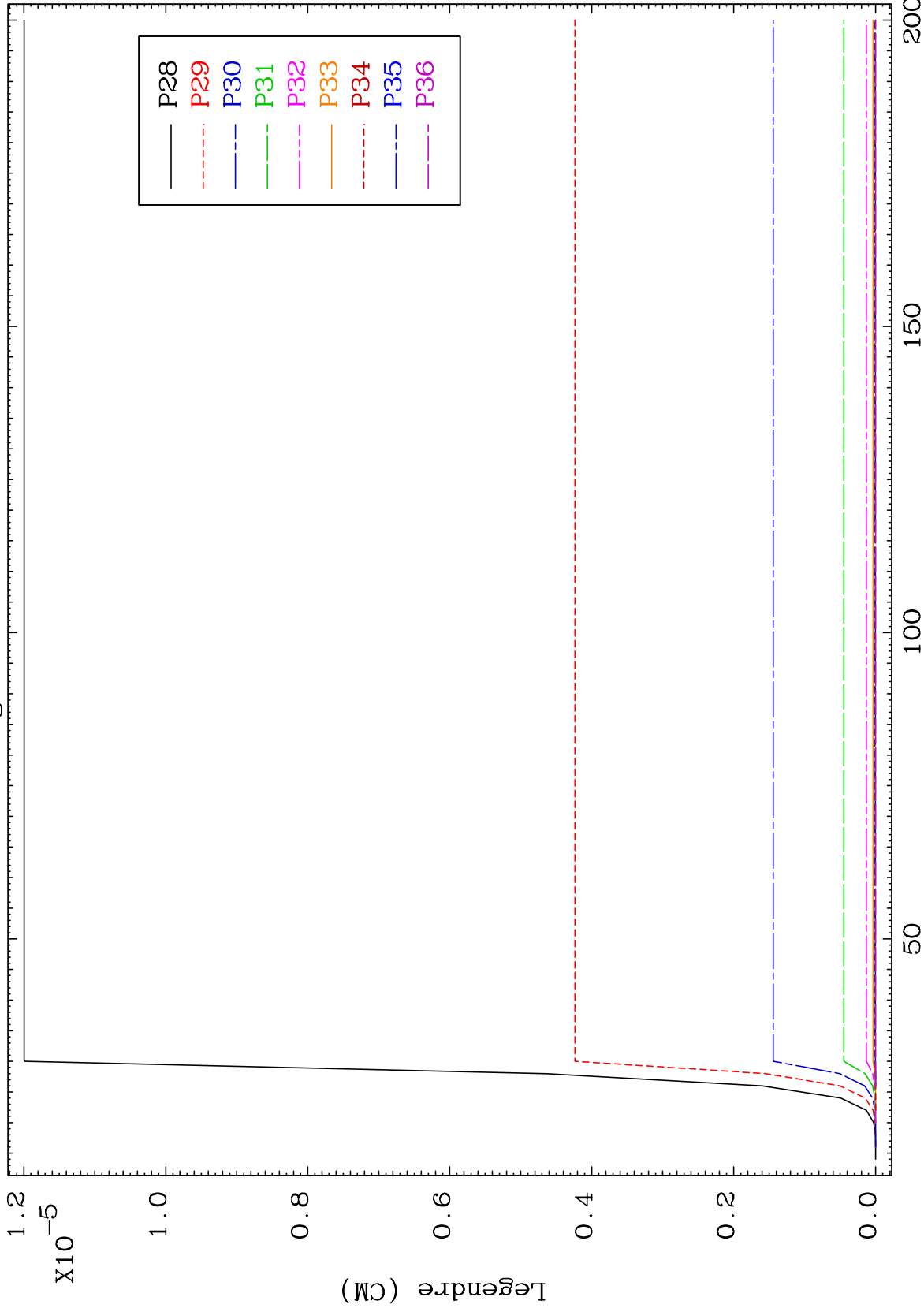
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



102

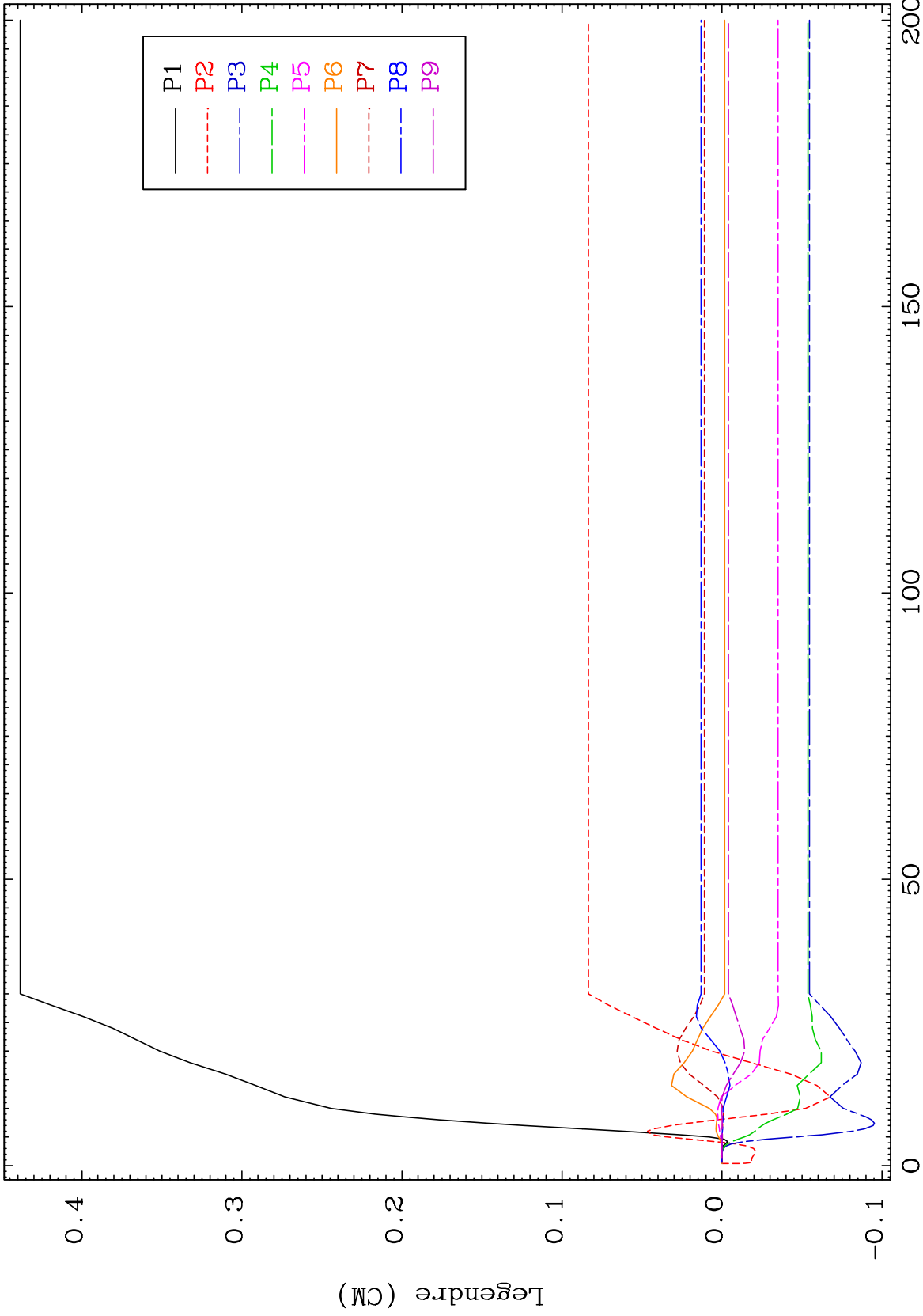
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



62-Sm-151

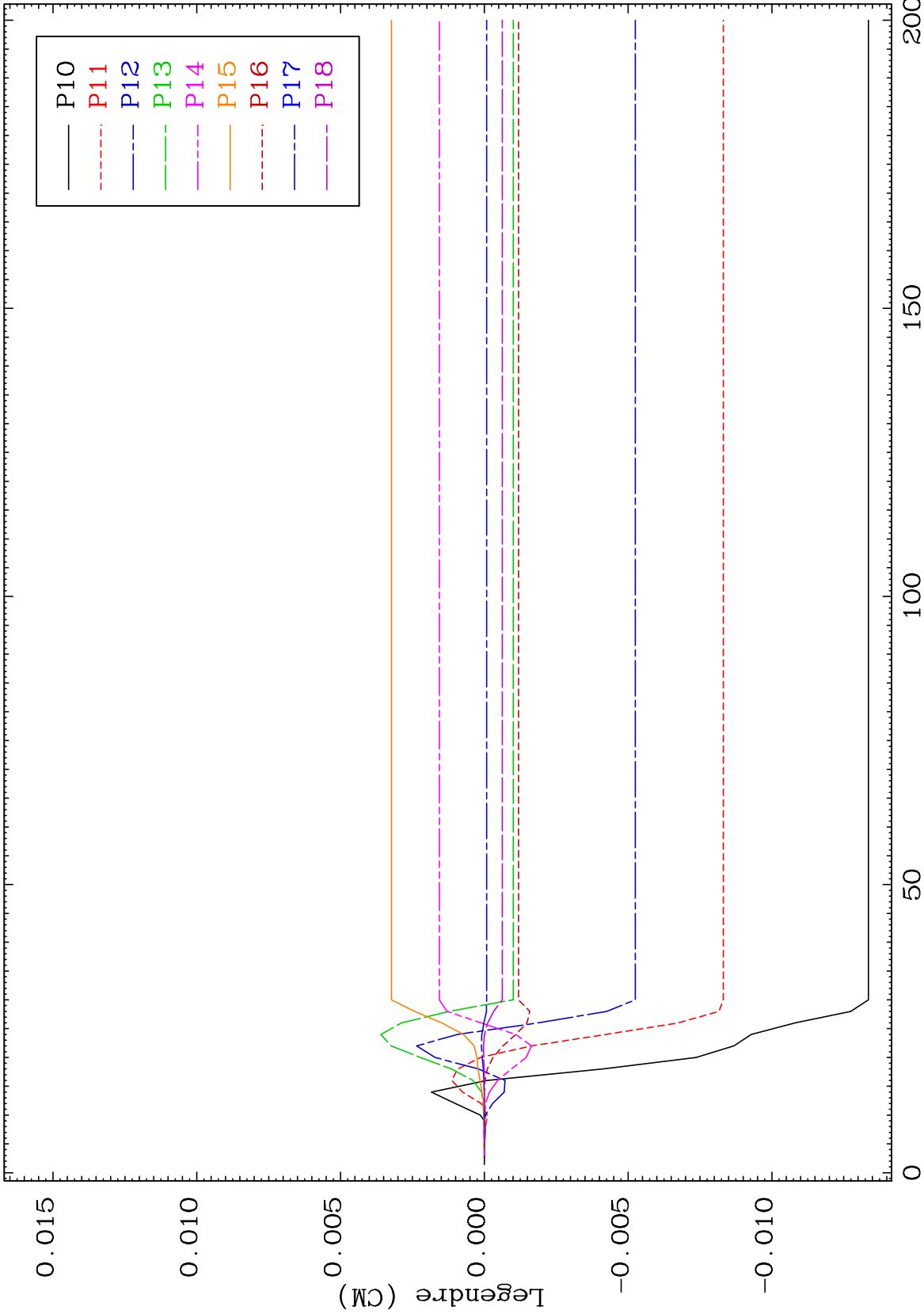
Incident Energy (MeV)

103

MAT 6246

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

62-Sm-151

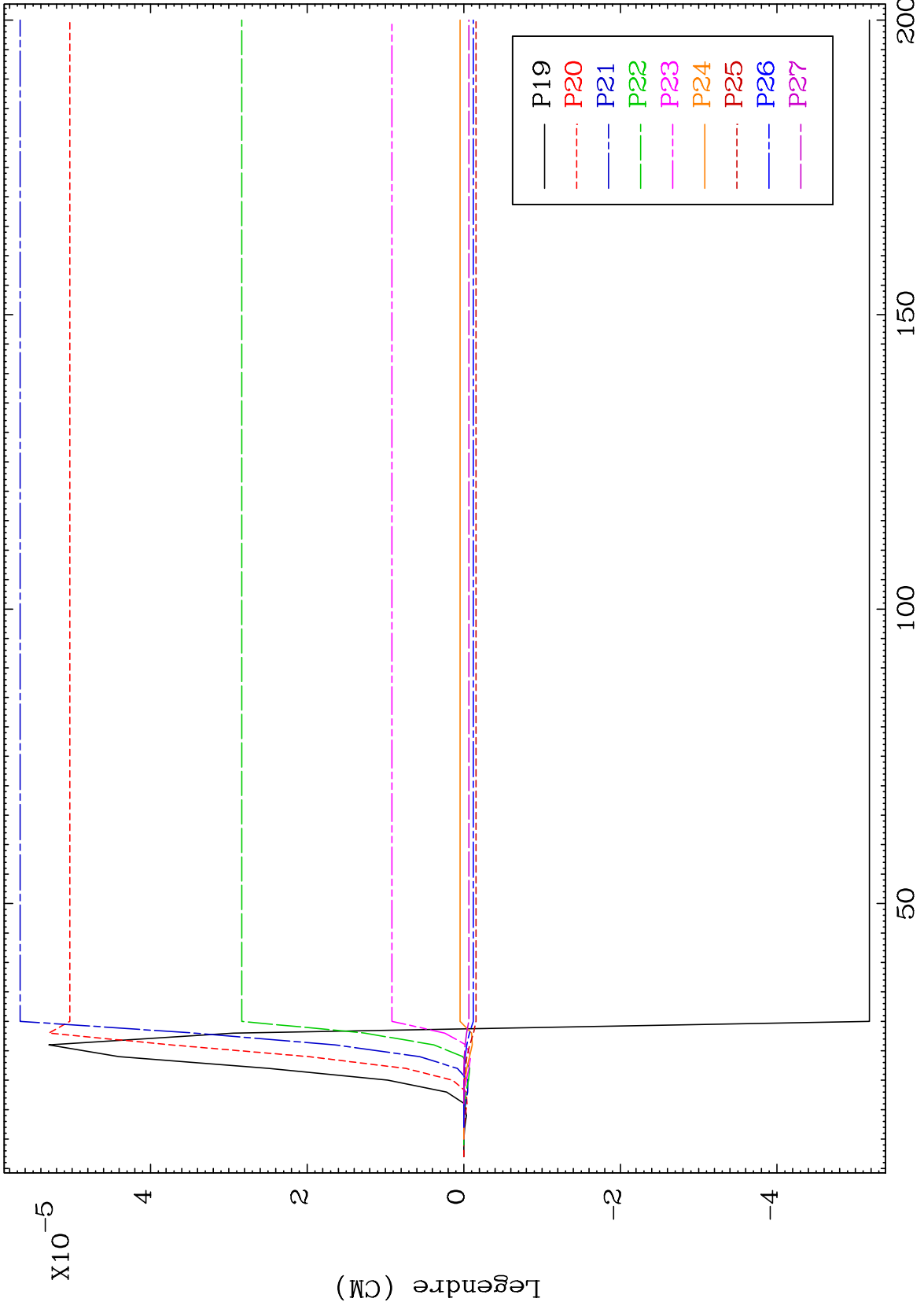


104

Incident Energy (MeV)

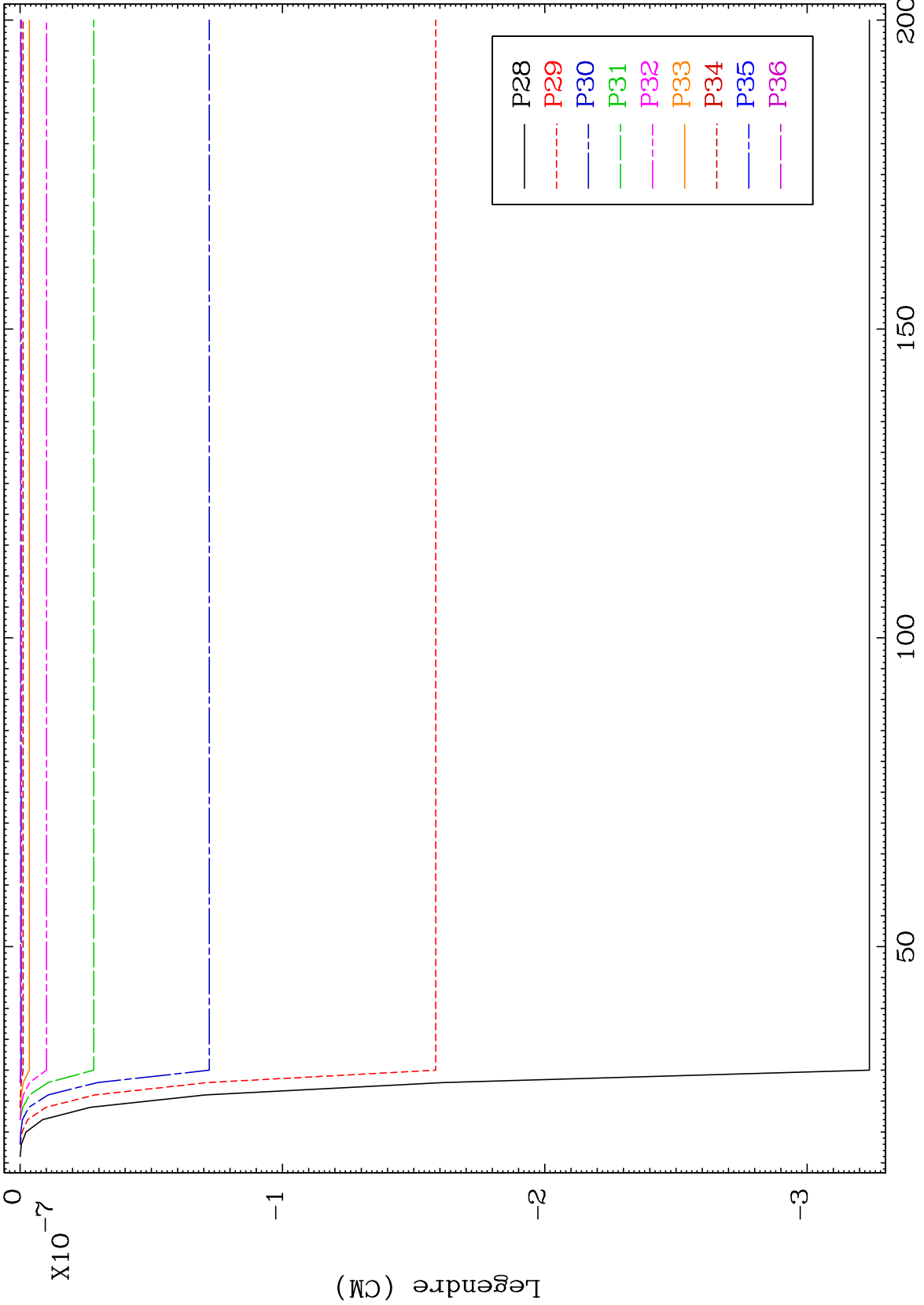
62-Sm-151

MAT 6246 MT= 72 (n,n') Level Legendre Coefficients 62-Sm-151



105 62-Sm-151

MAT 6246 MT= 72 (n,n') Level Legendre Coefficients 62-Sm-151

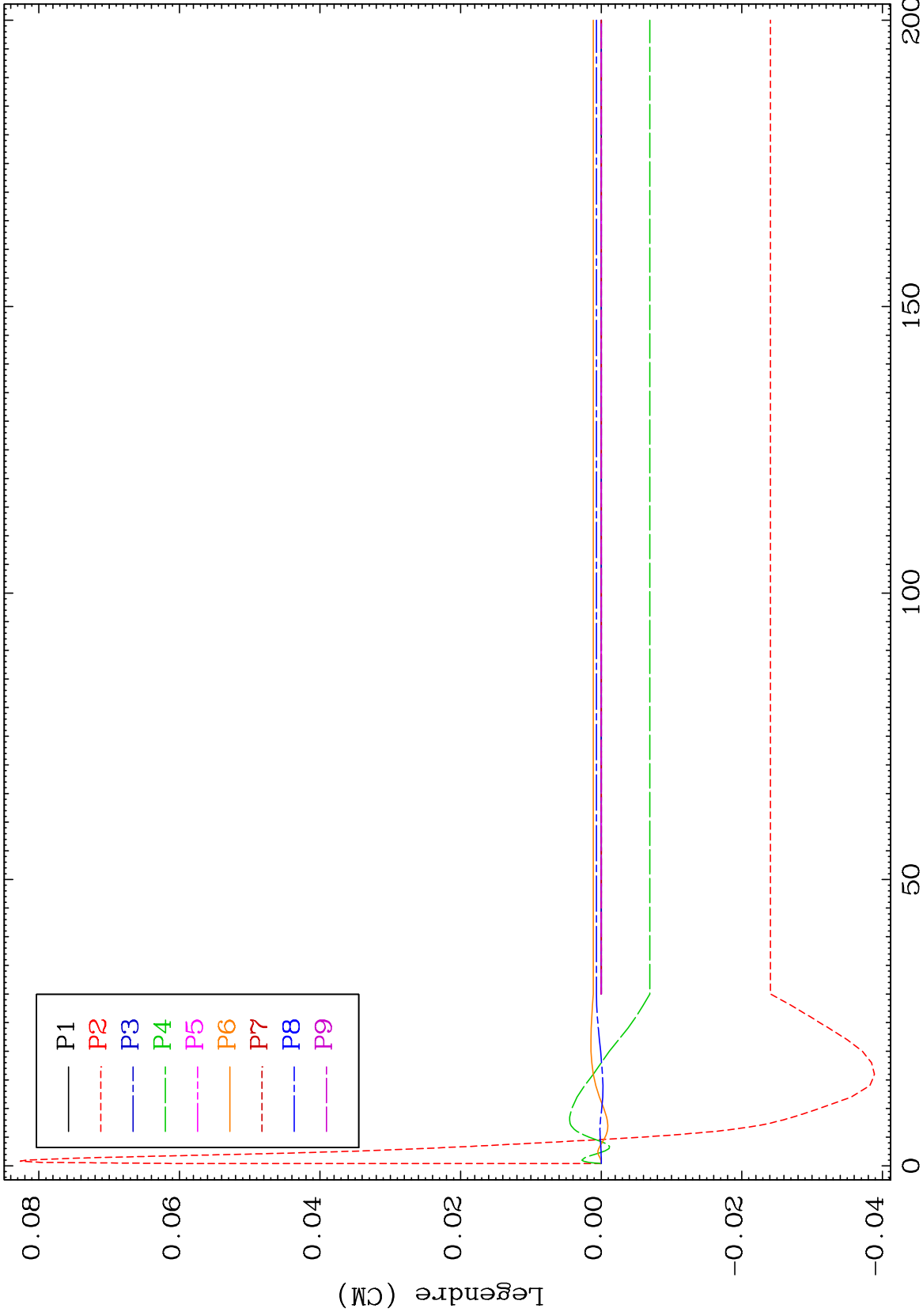


106 62-Sm-151

MAT 6246

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

62-Sm-151



107

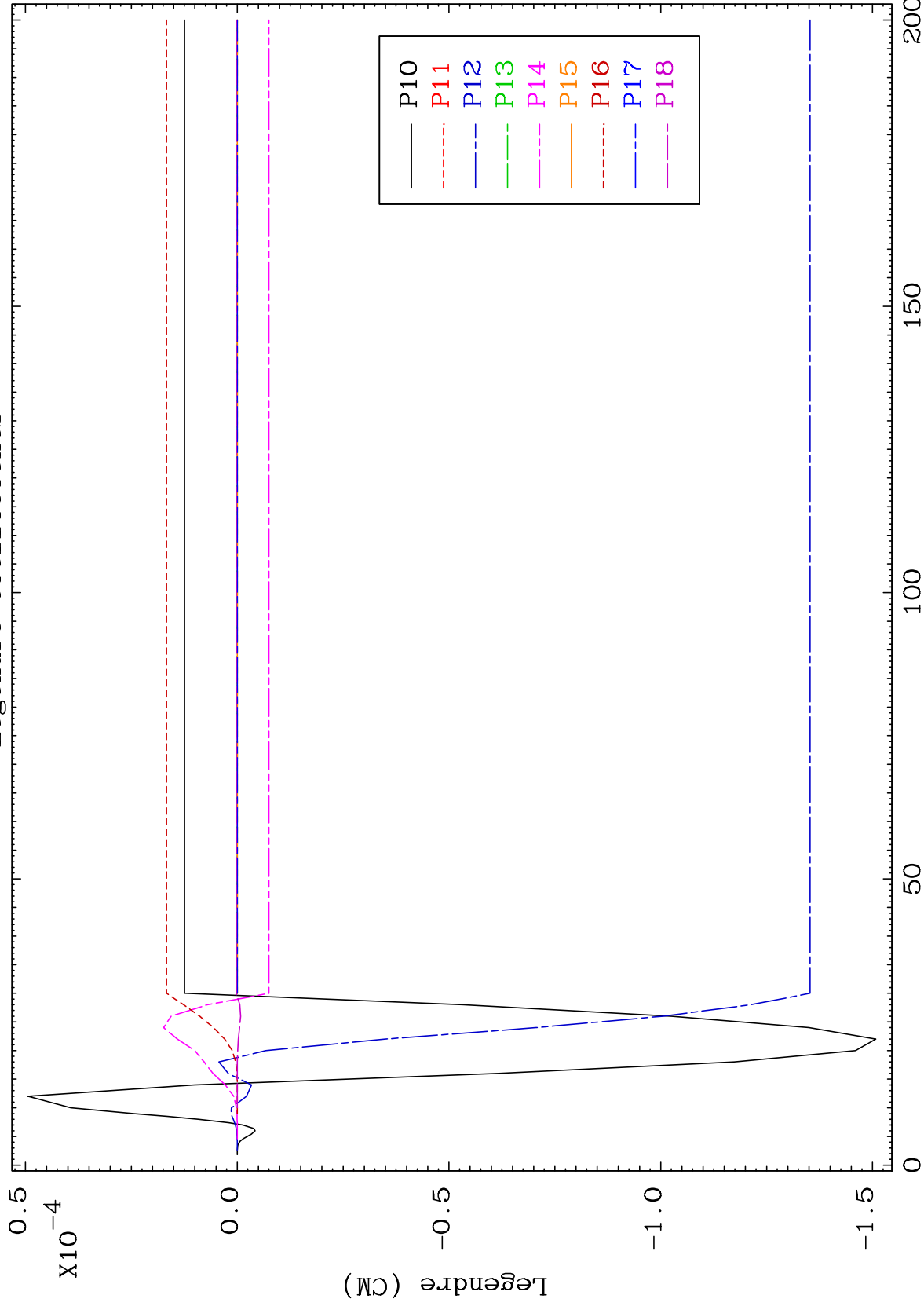
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151

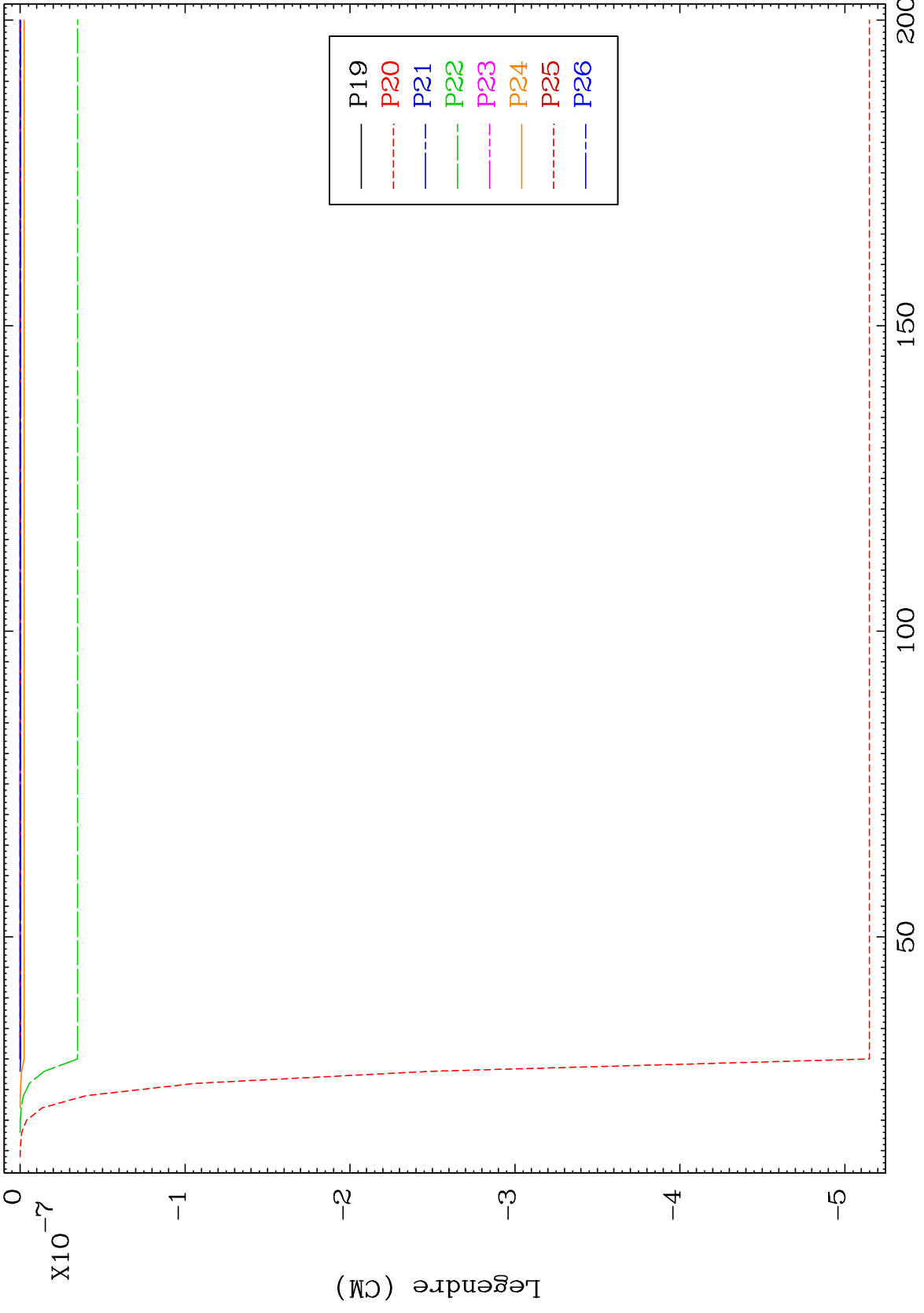


108

Incident Energy (MeV)

62-Sm-151

MAT 6246 MT= 73 (n,n') Level Legendre Coefficients 62-Sm-151

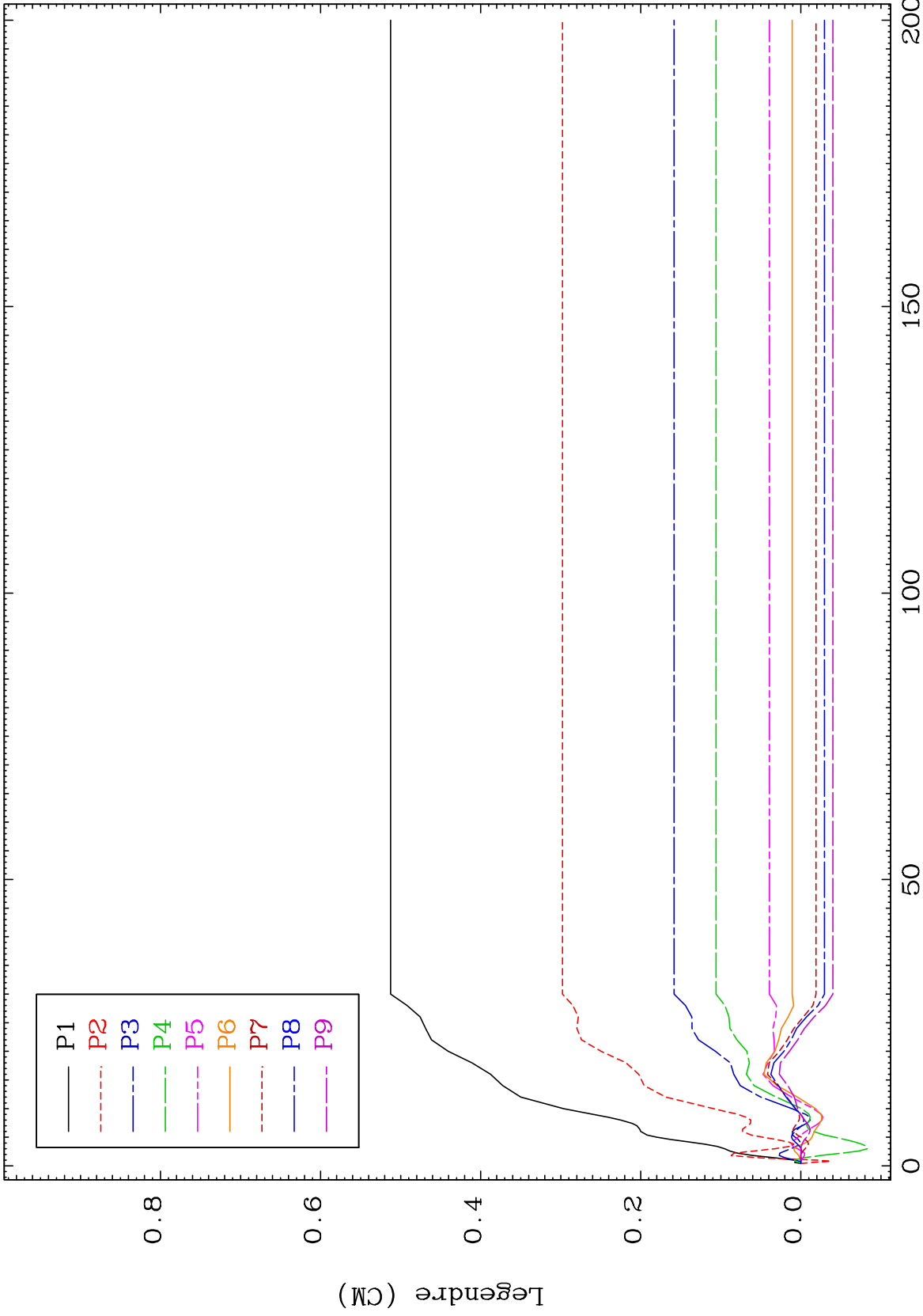


109 62-Sm-151

MAT 6246

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

62-Sm-151



110

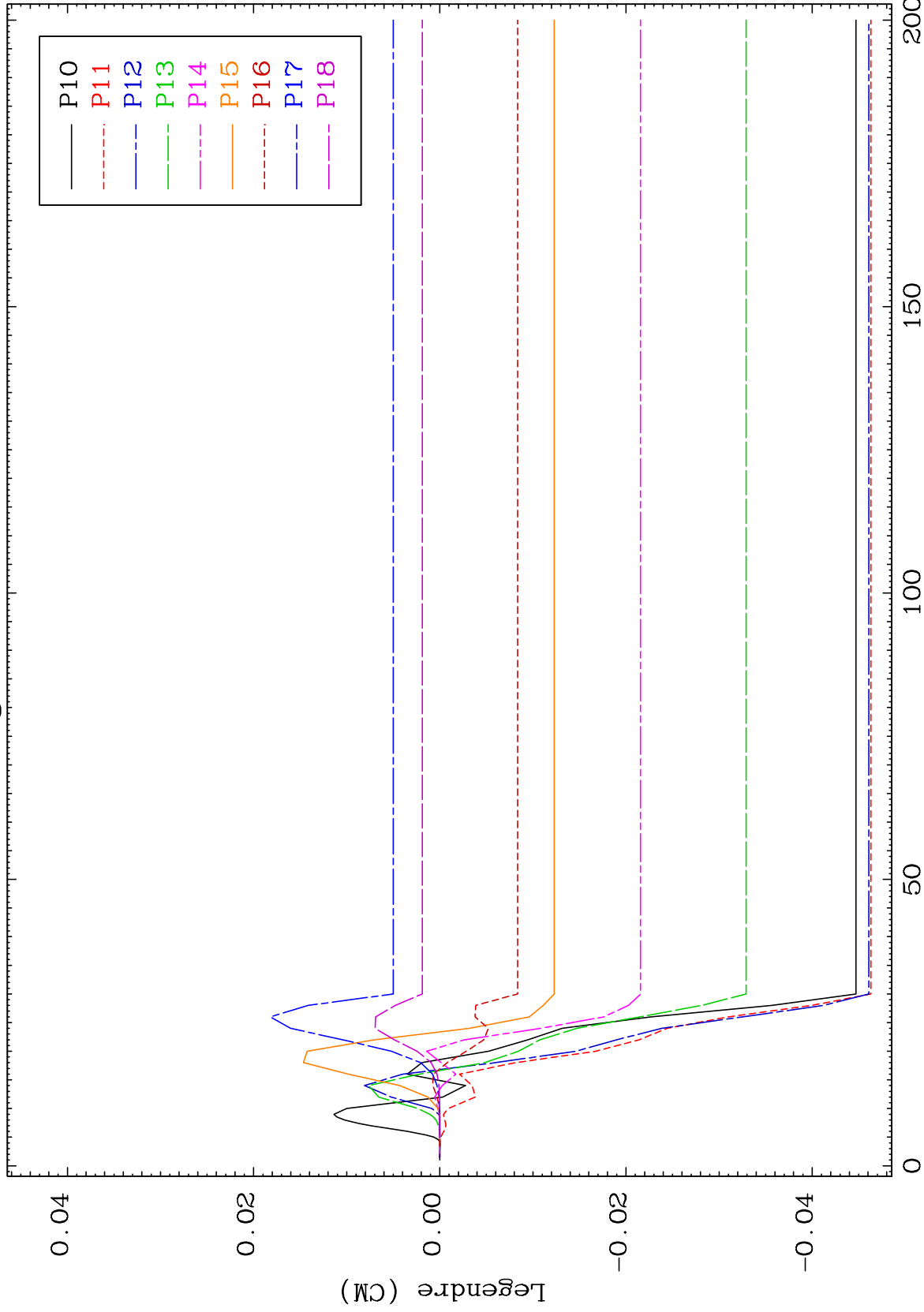
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



111

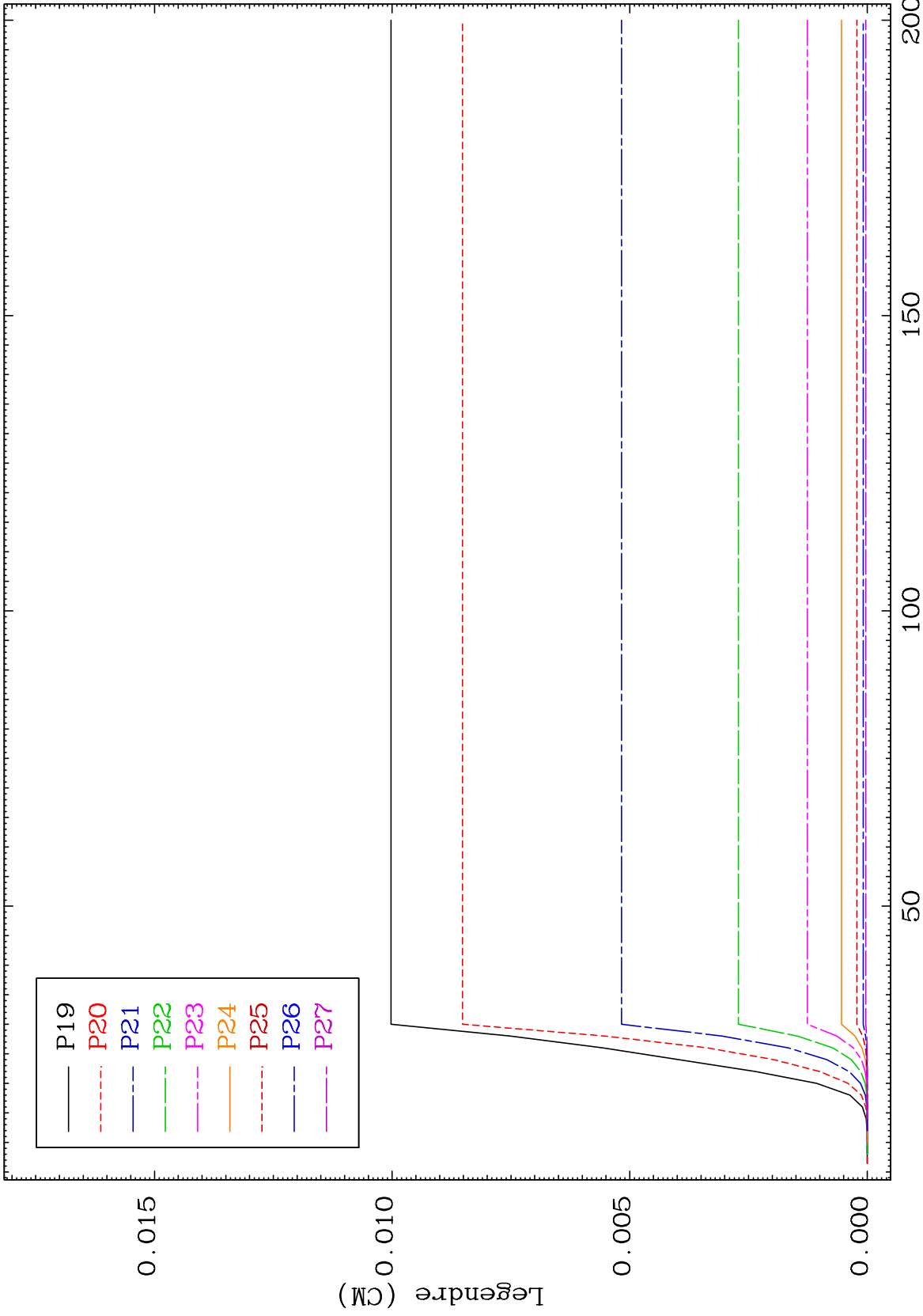
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



112

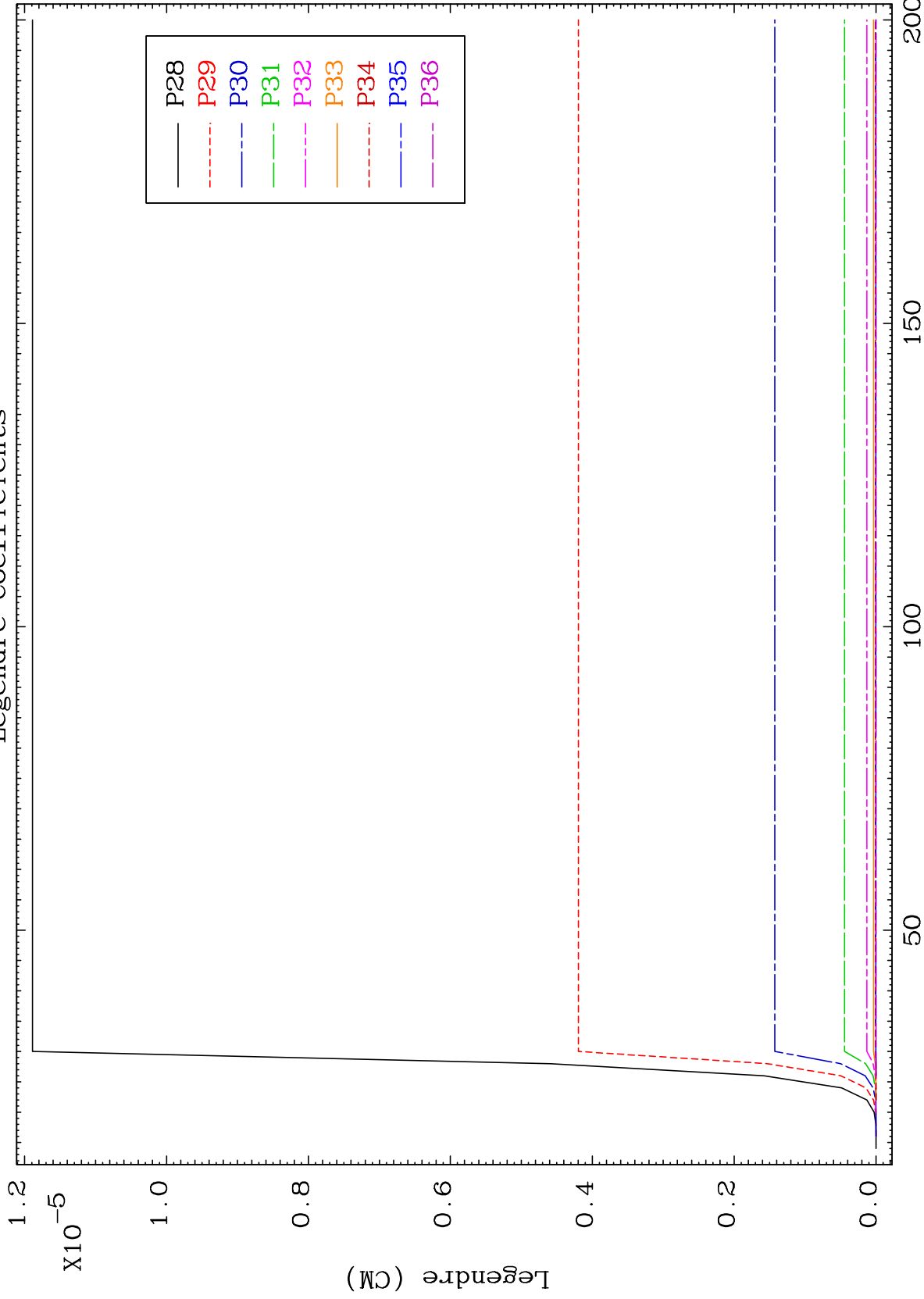
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



113

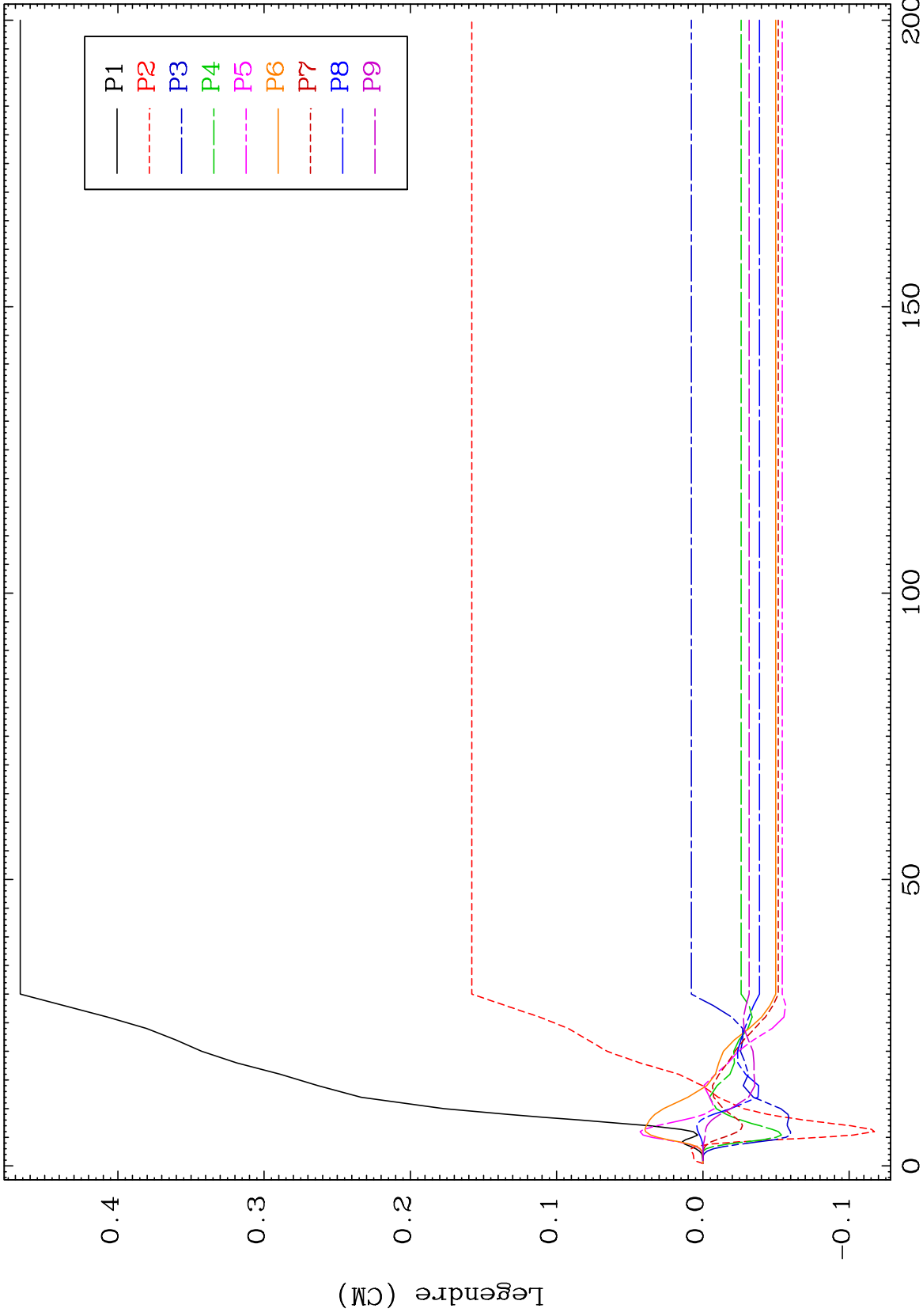
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



114

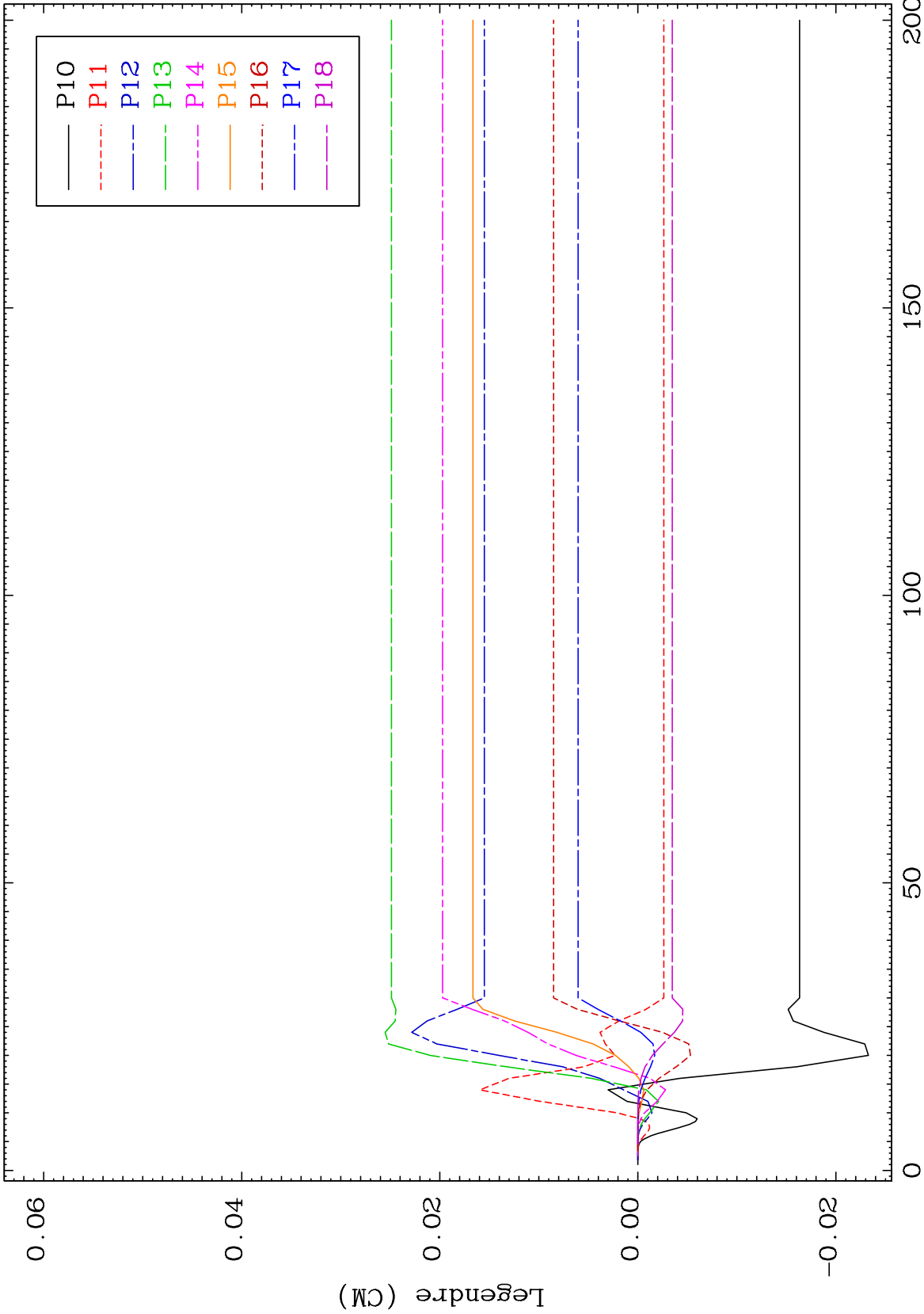
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



115

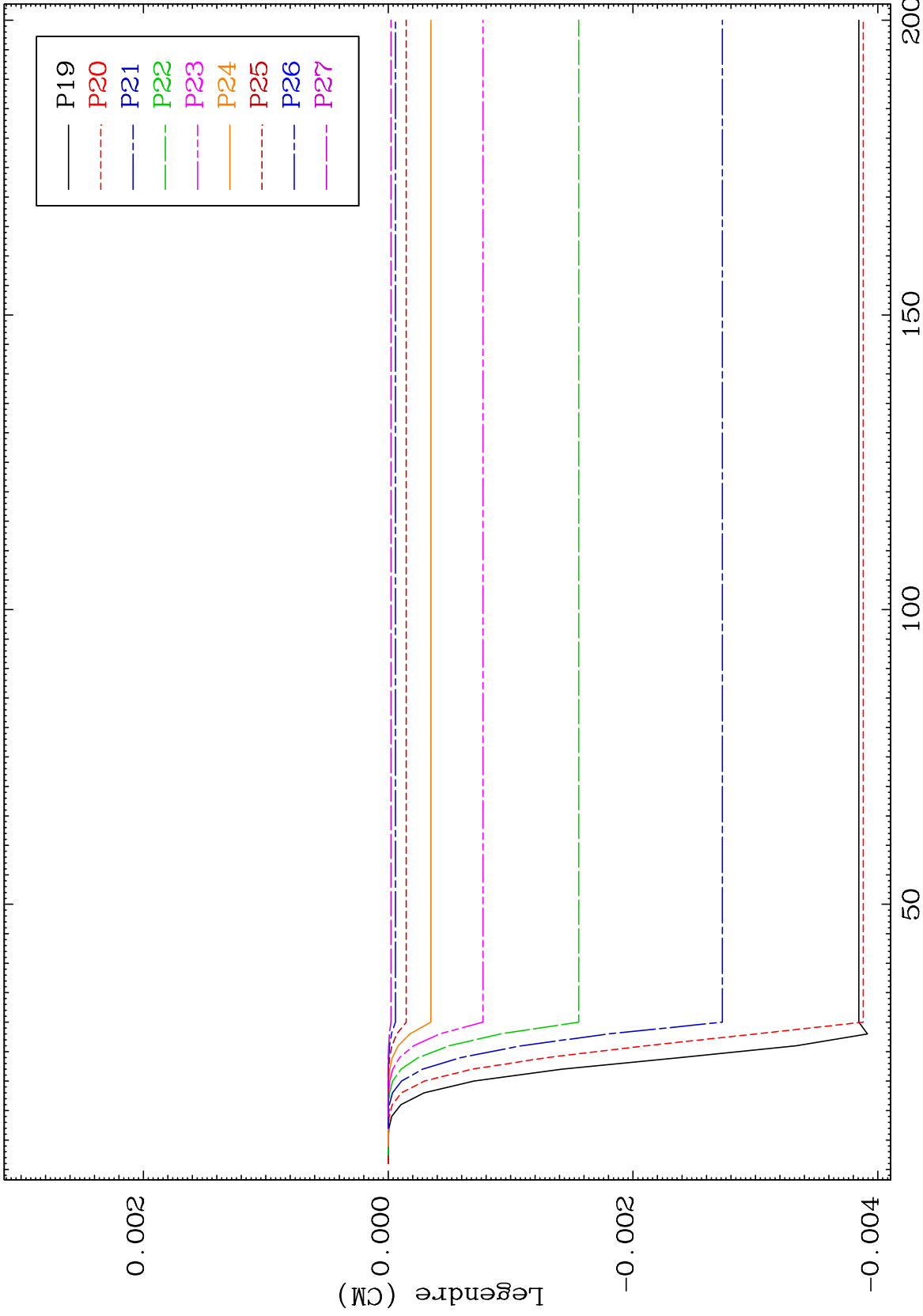
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

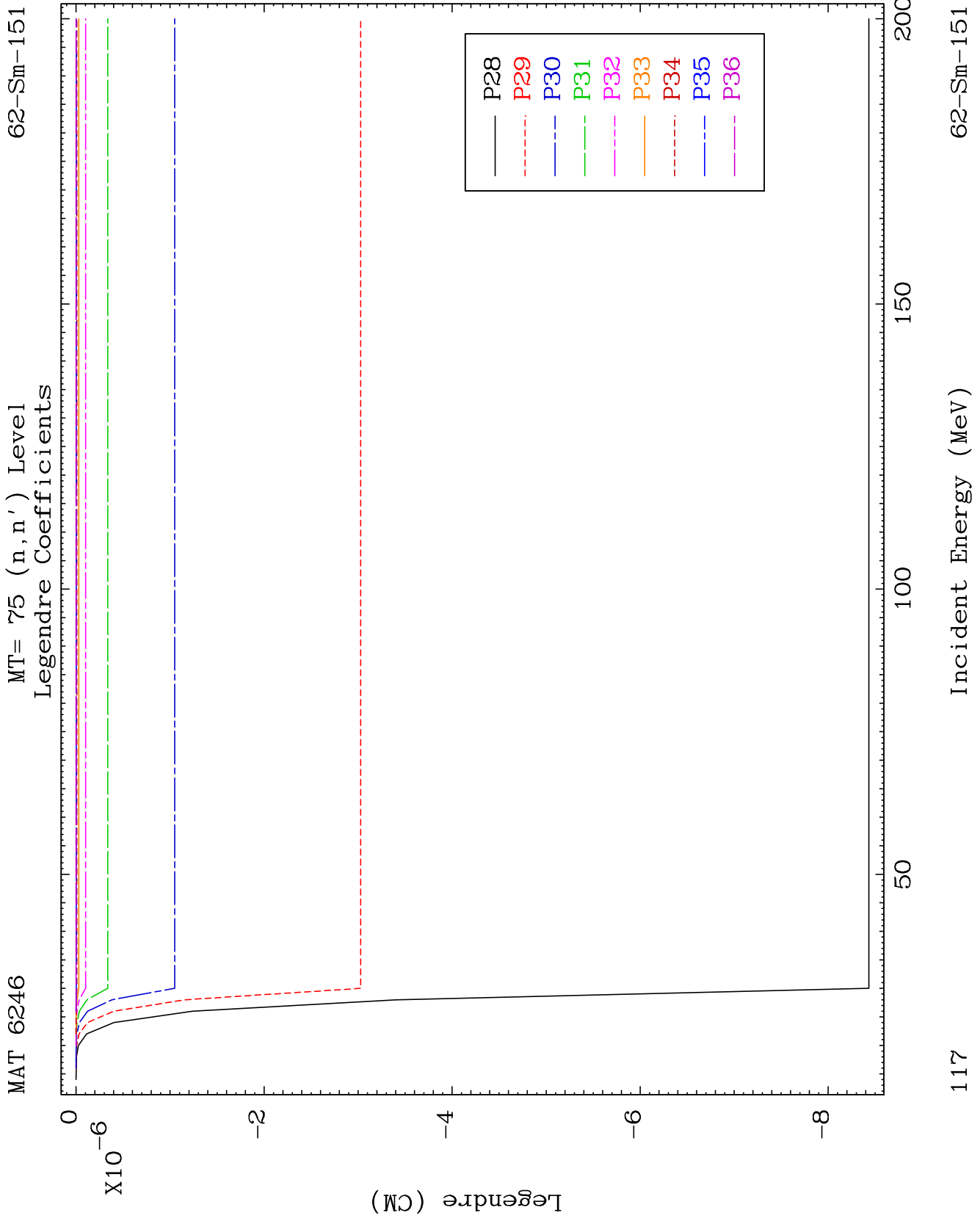
62-Sm-151



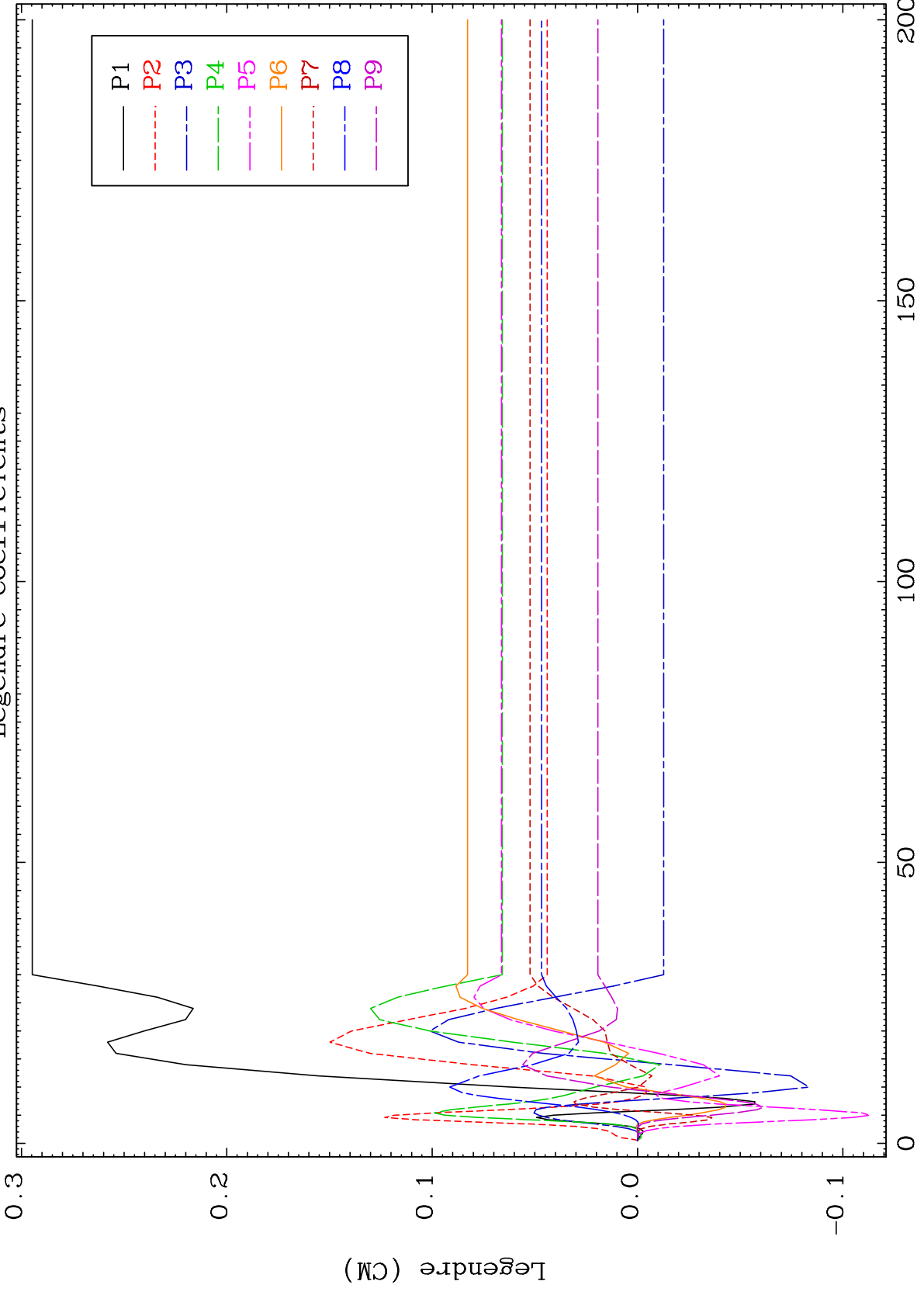
116

Incident Energy (MeV)

62-Sm-151



MAT 6246 MT= 76 (n,n') Level Legendre Coefficients 62-Sm-151

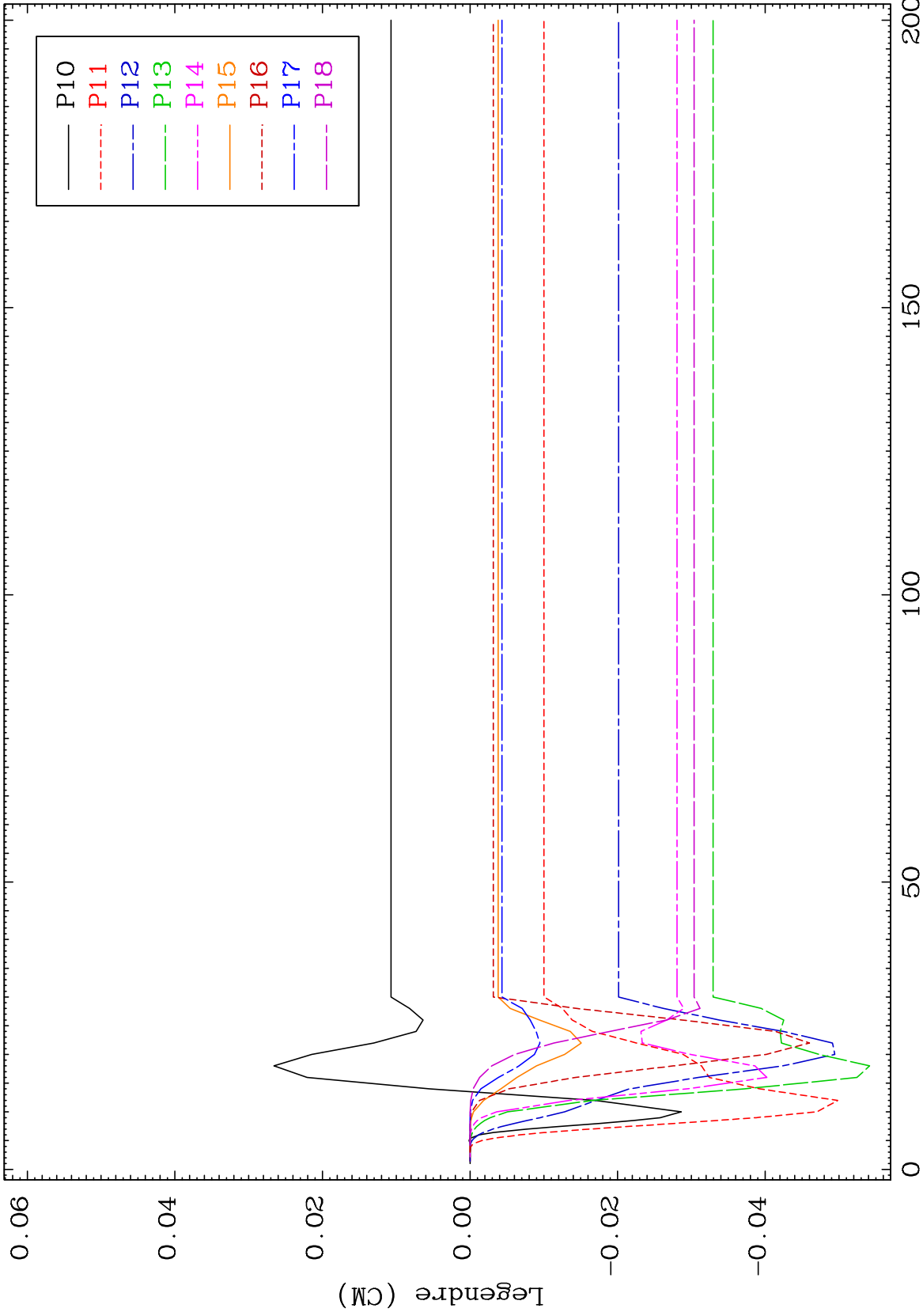


118 62-Sm-151

MAT 6246

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

62-Sm-151



119

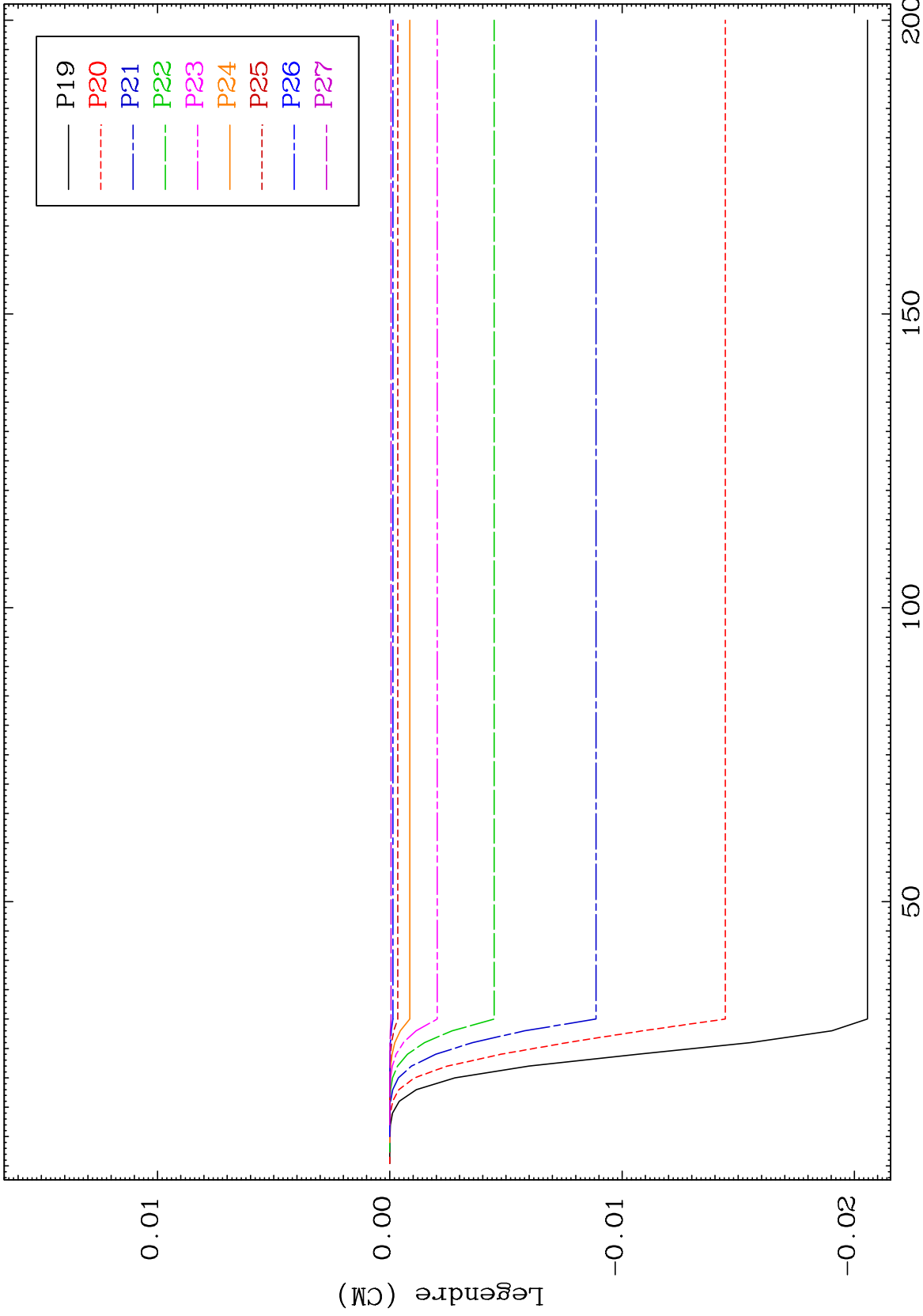
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

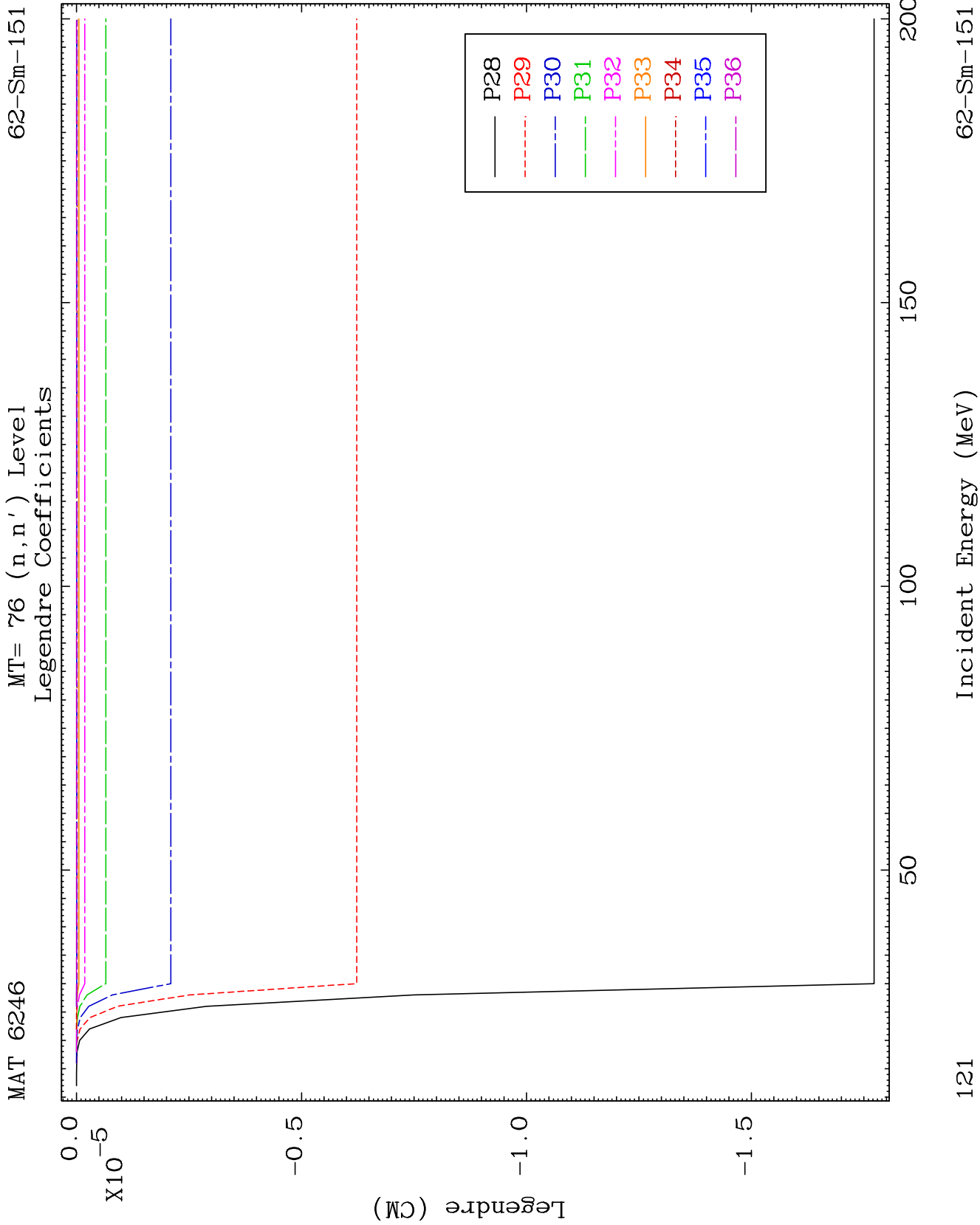
62-Sm-151



120

Incident Energy (MeV)

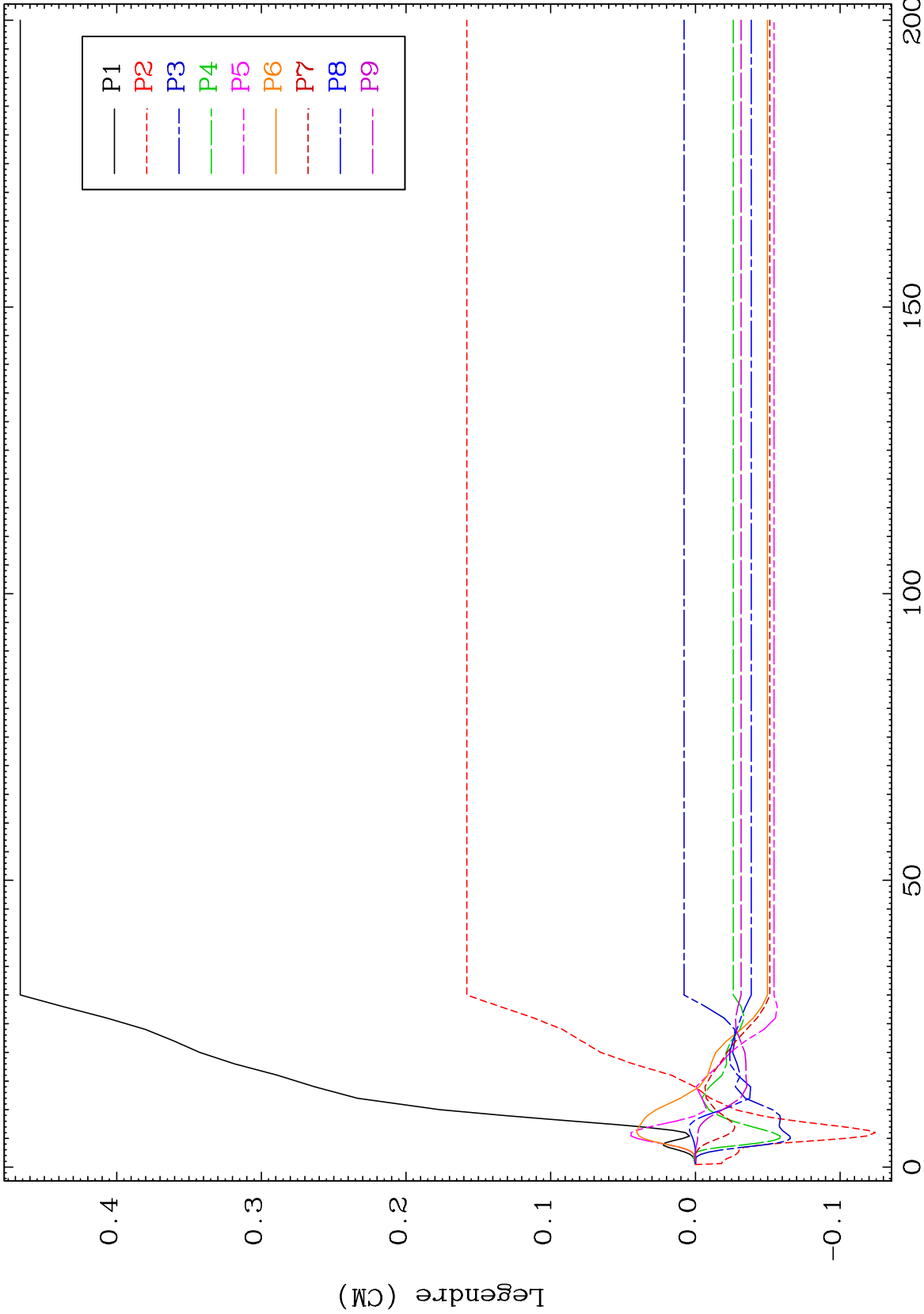
62-Sm-151



MAT 6246

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

62-Sm-151



122

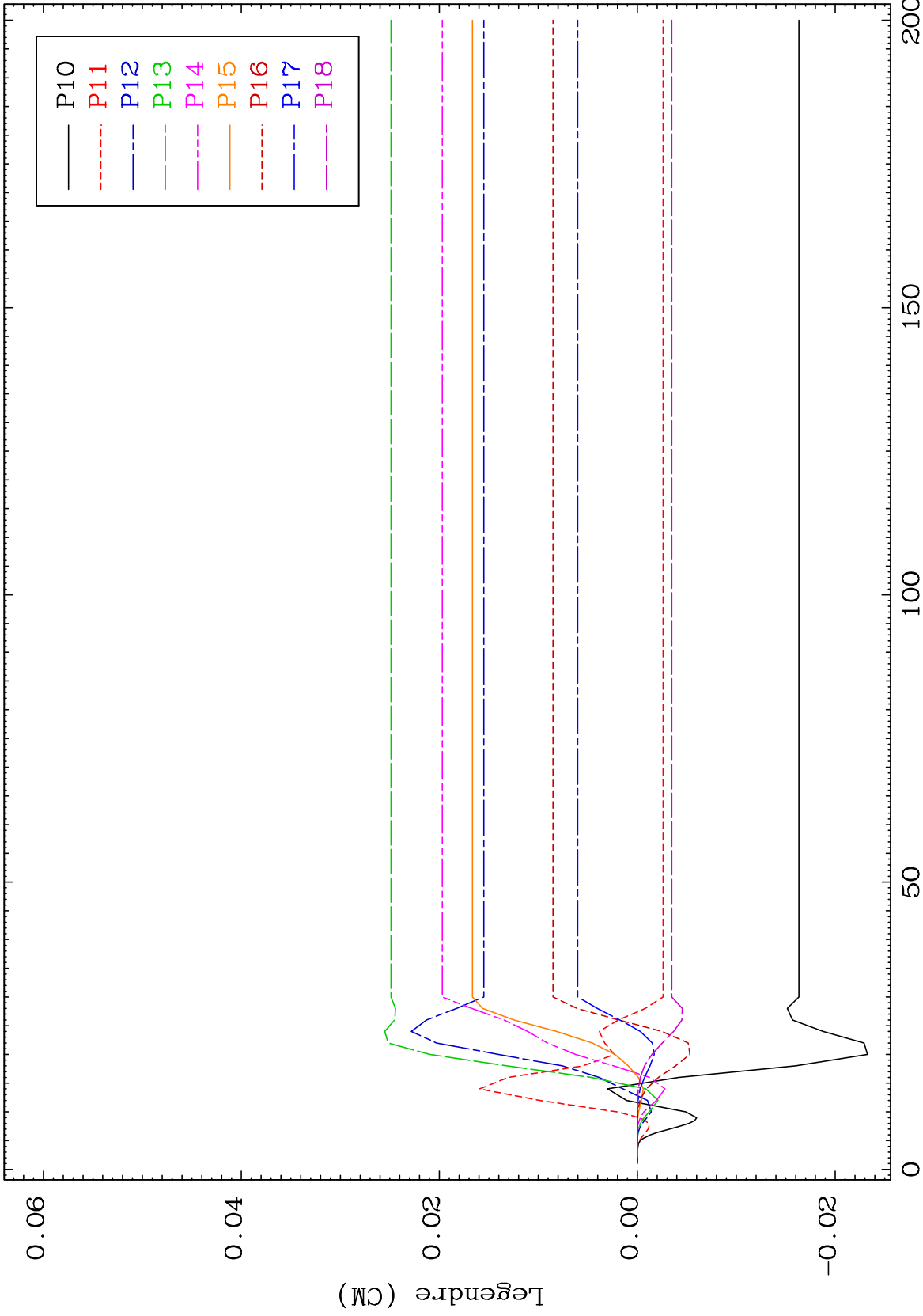
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



123

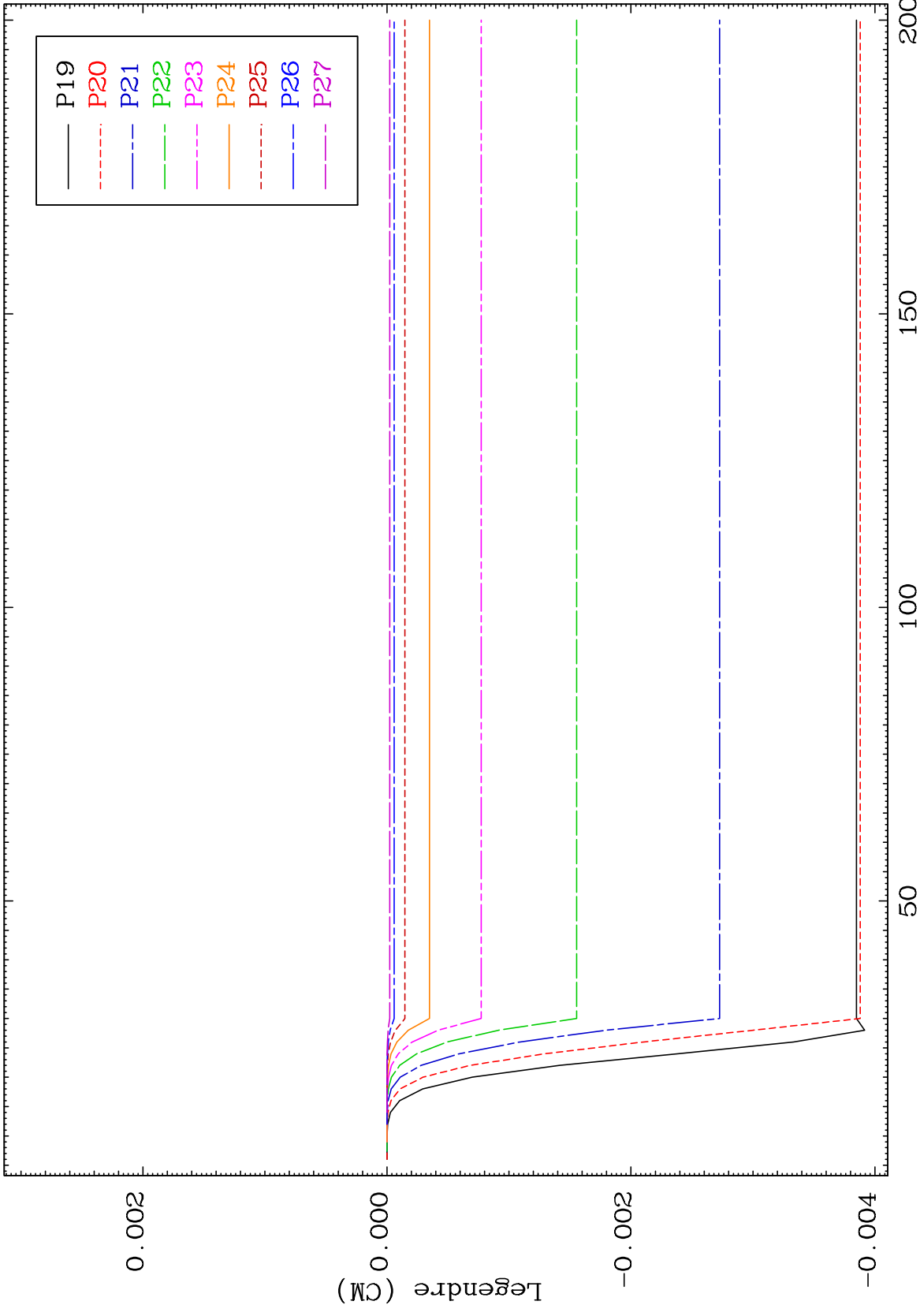
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

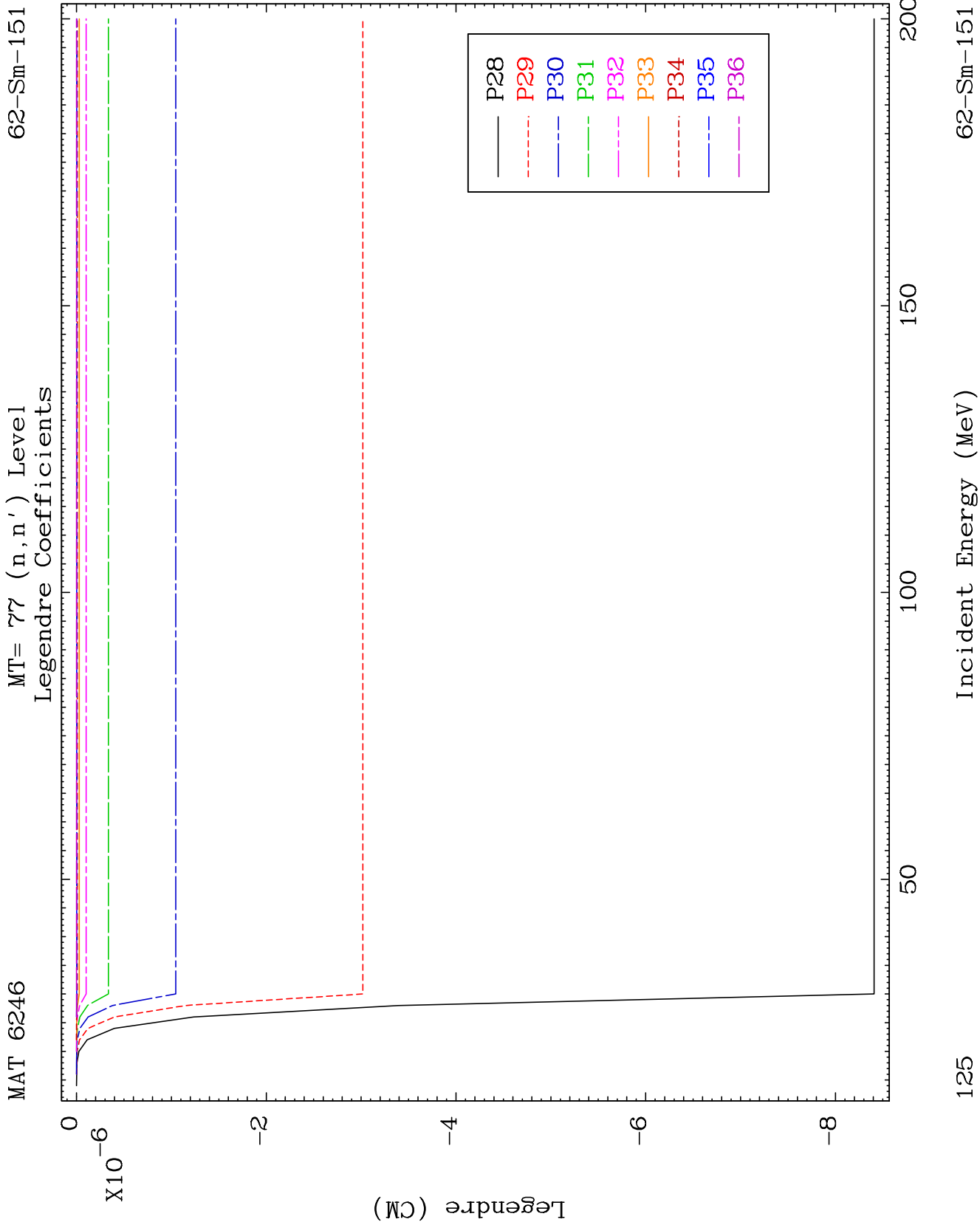
62-Sm-151



124

Incident Energy (MeV)

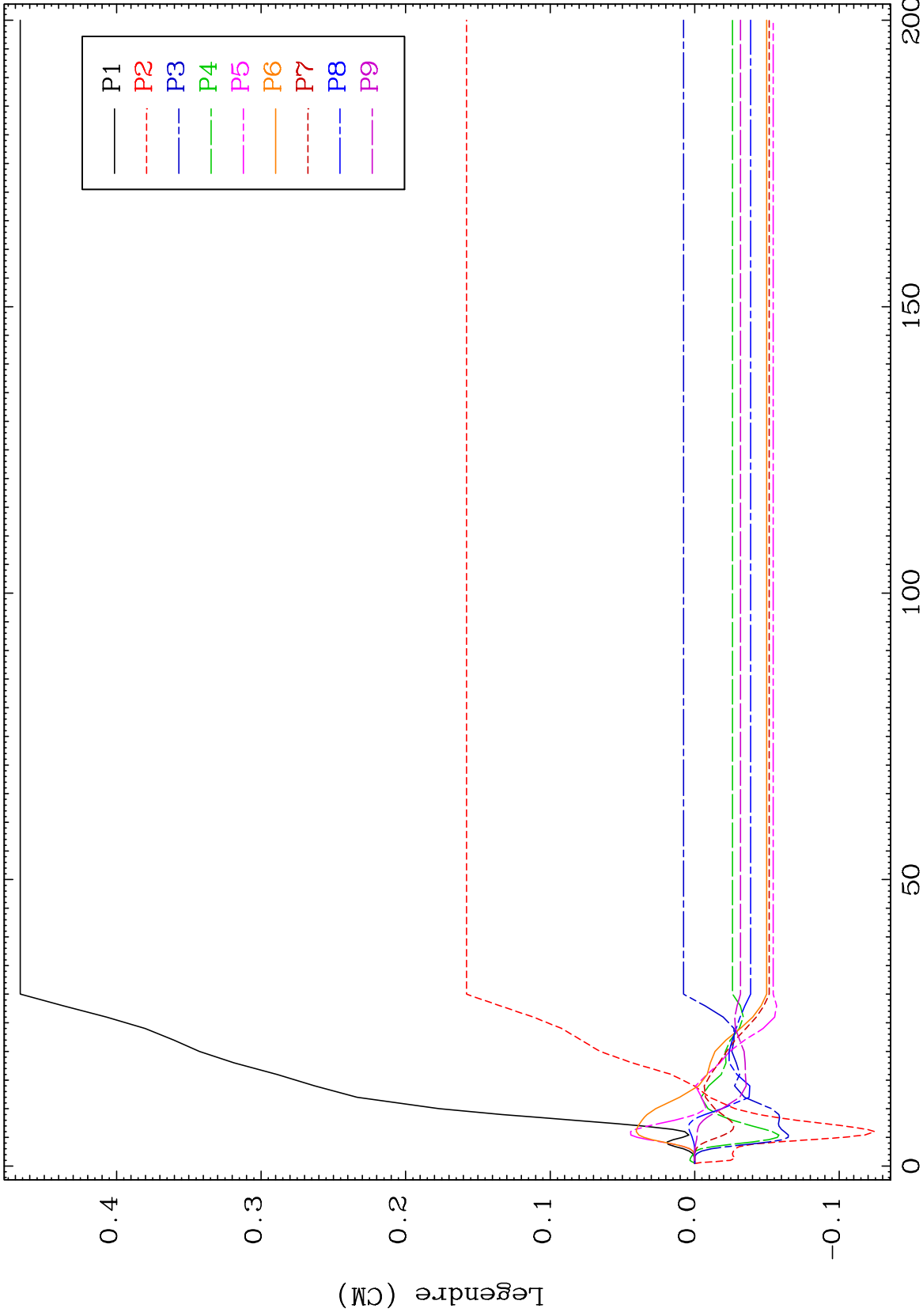
62-Sm-151



MAT 6246

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

62-Sm-151



126

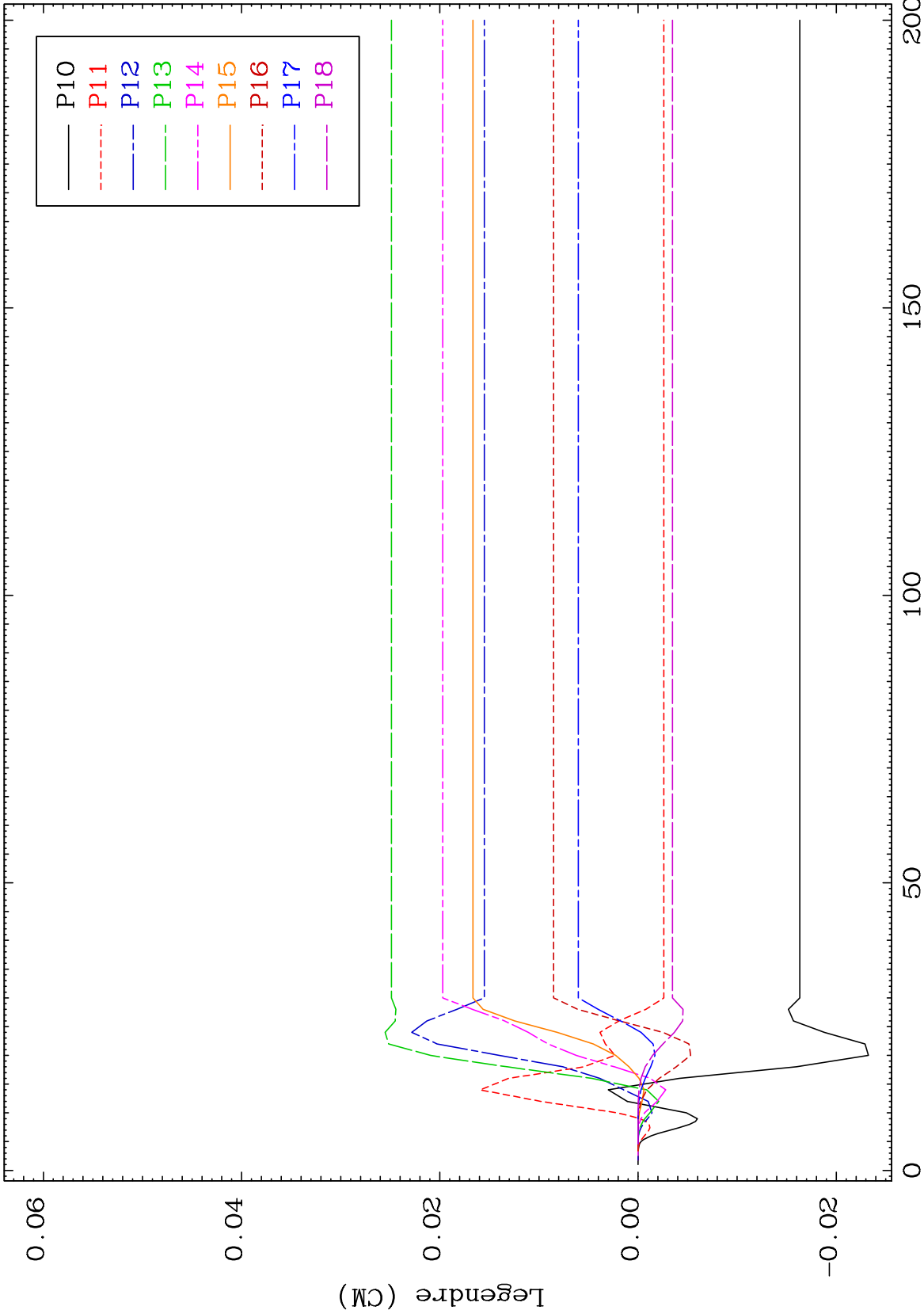
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



127

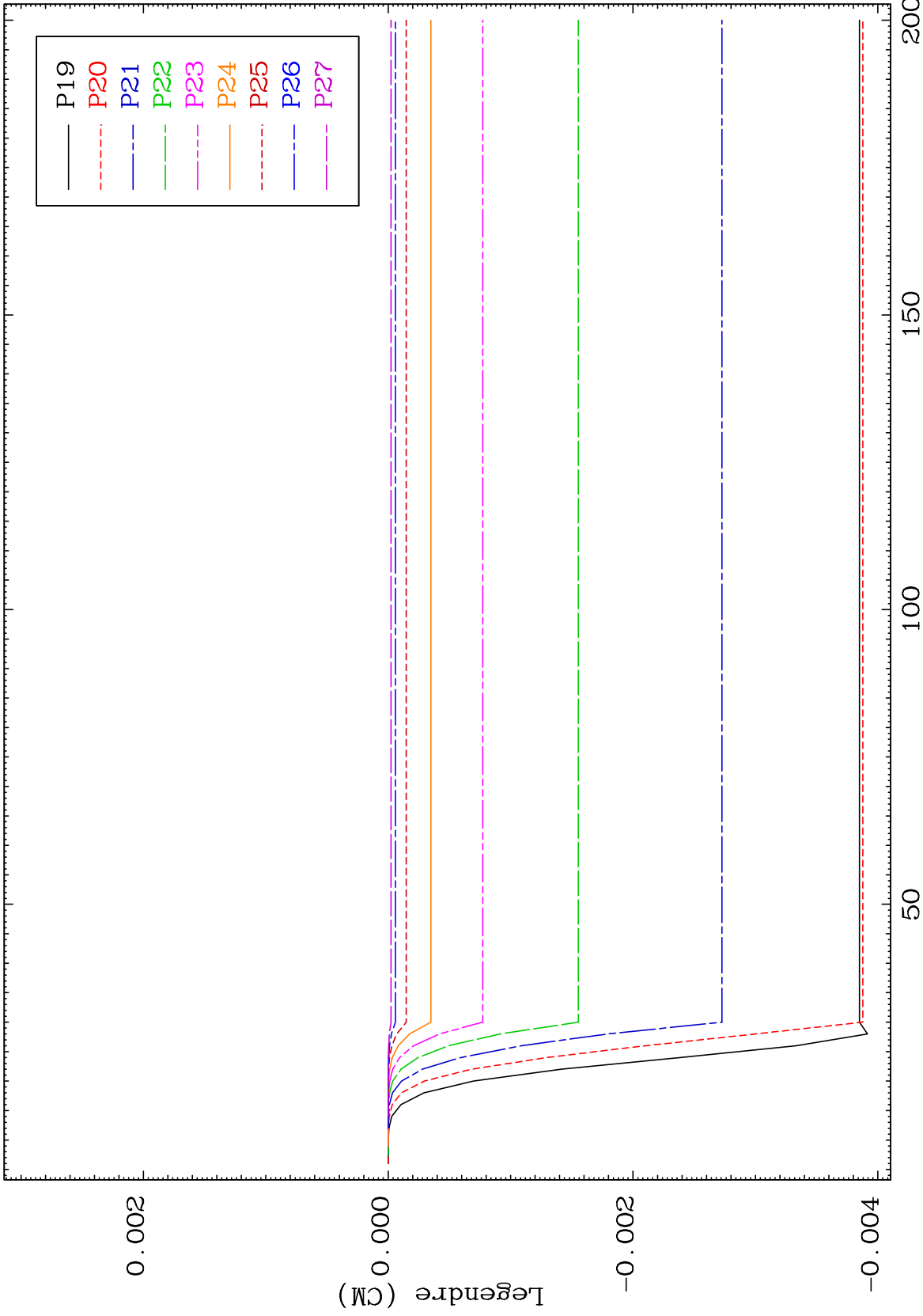
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

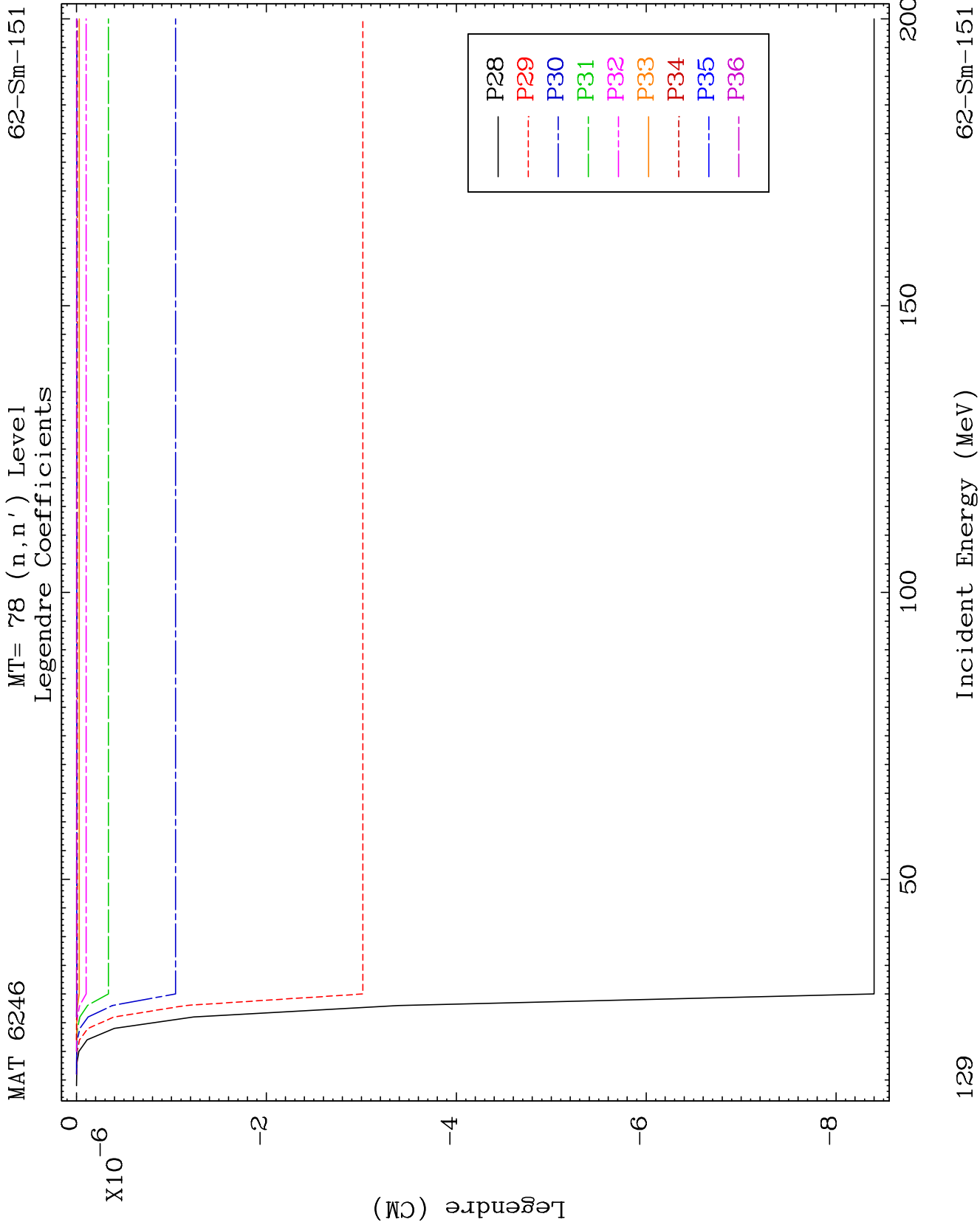
62-Sm-151



128

Incident Energy (MeV)

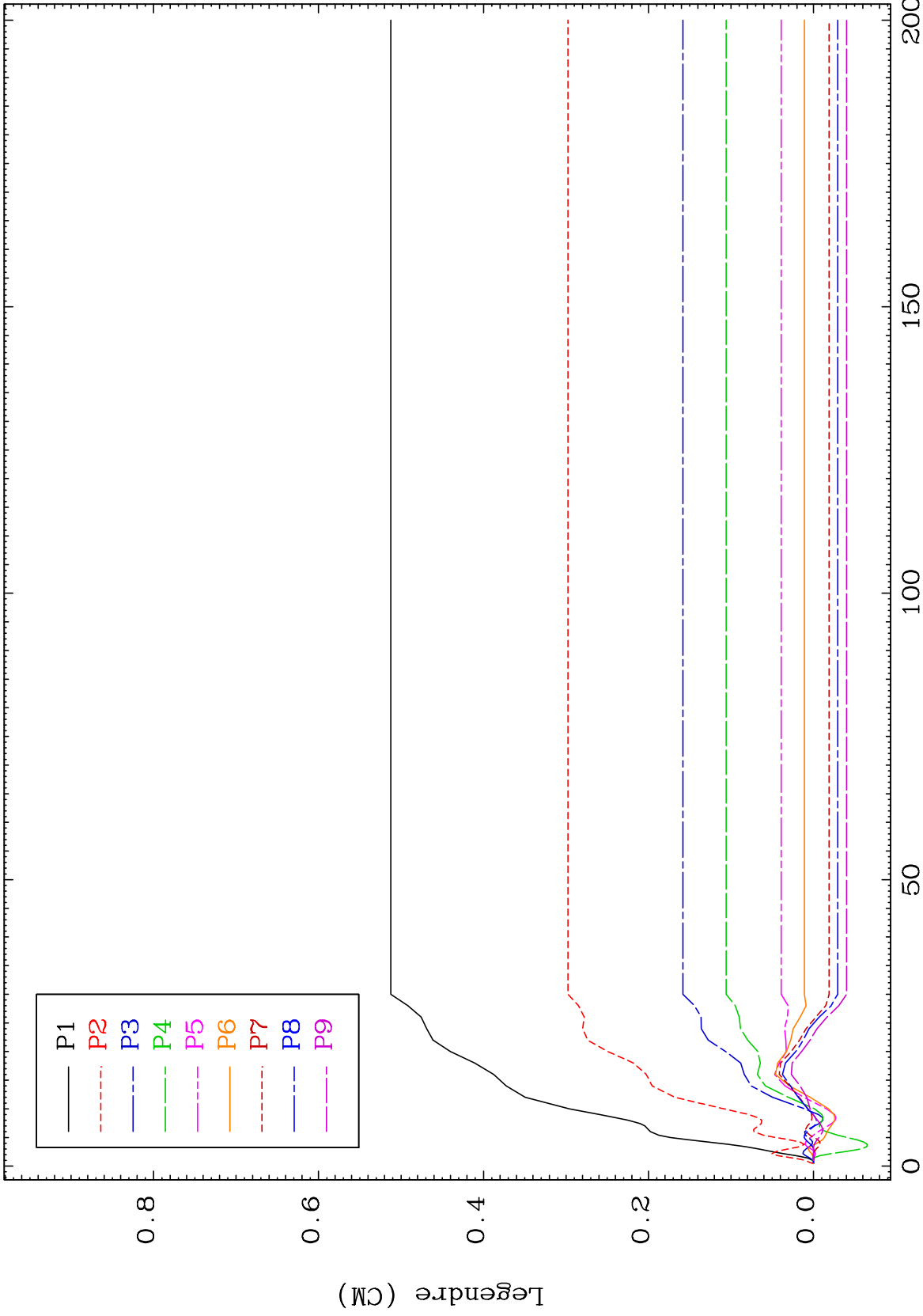
62-Sm-151



MAT 6246

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

62-Sm-151



130

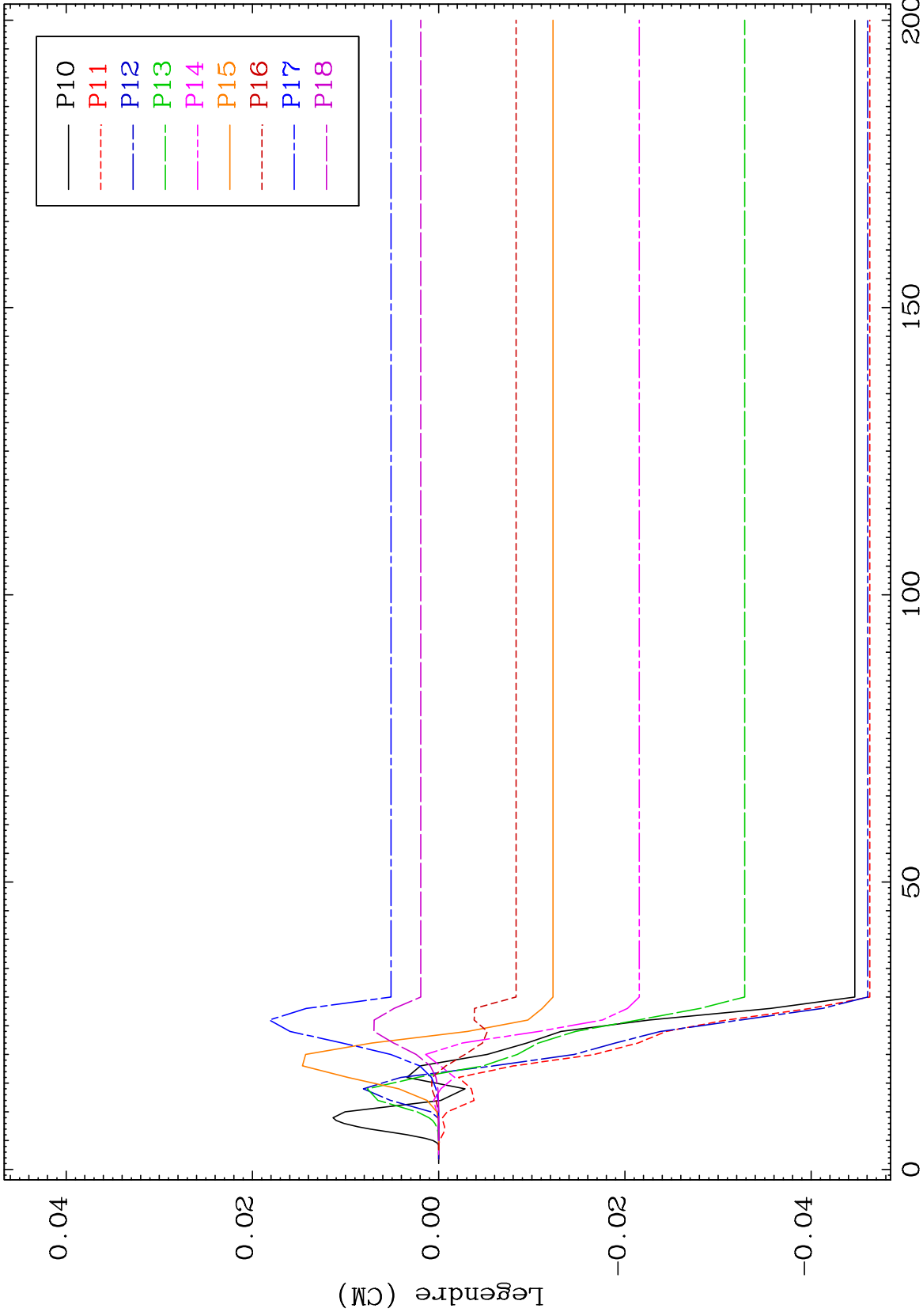
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



131

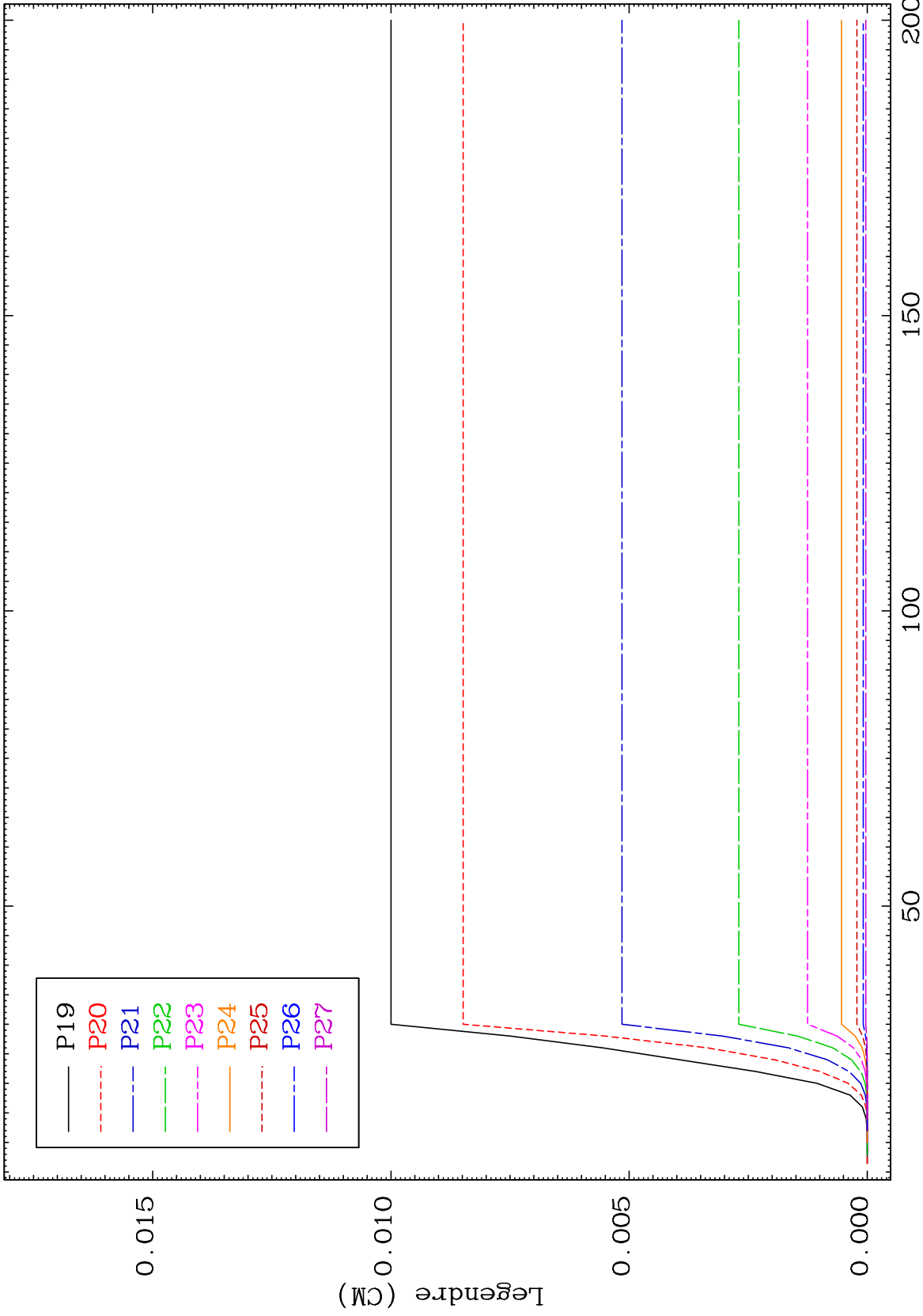
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

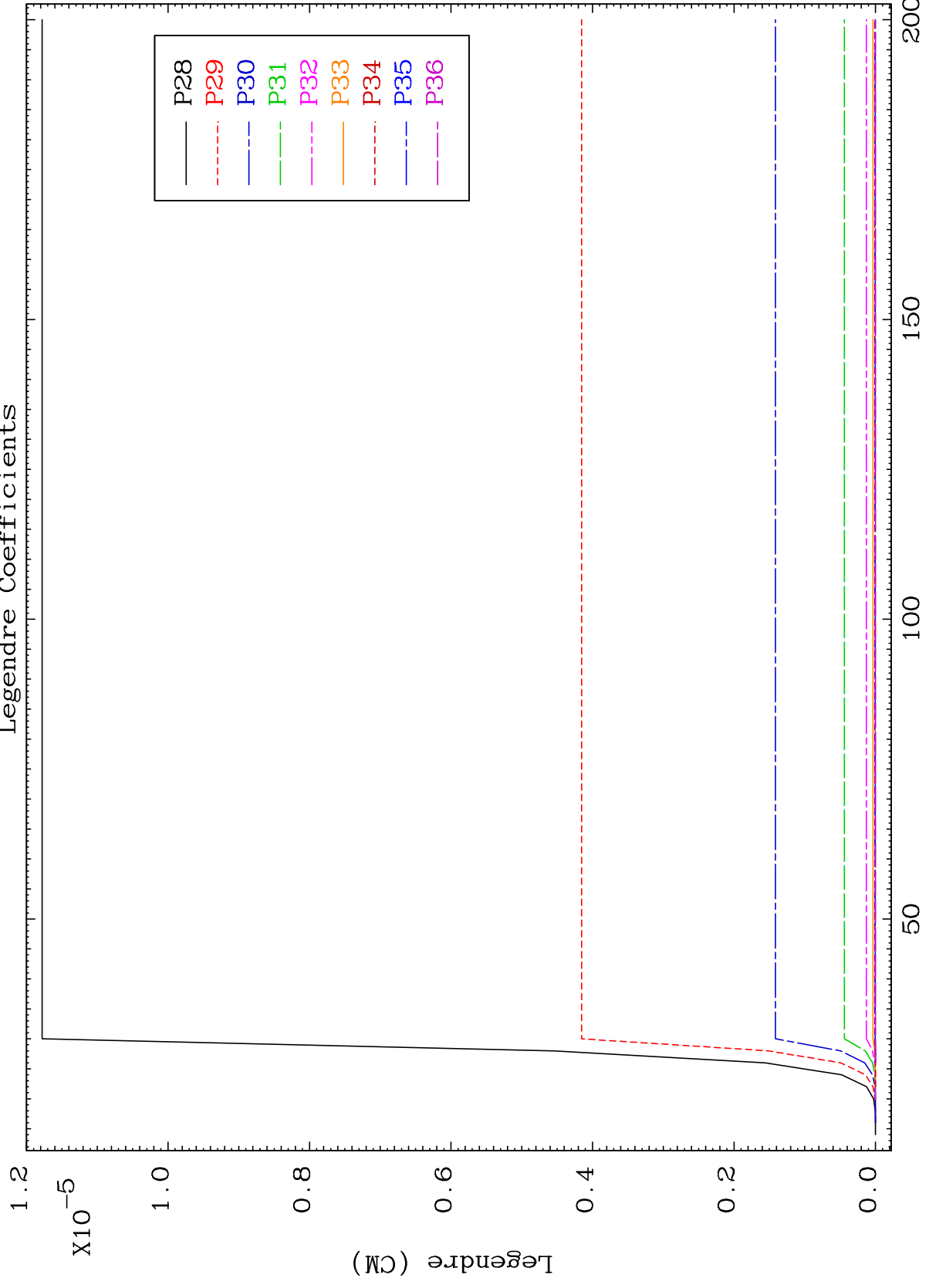
62-Sm-151



132

Incident Energy (MeV)

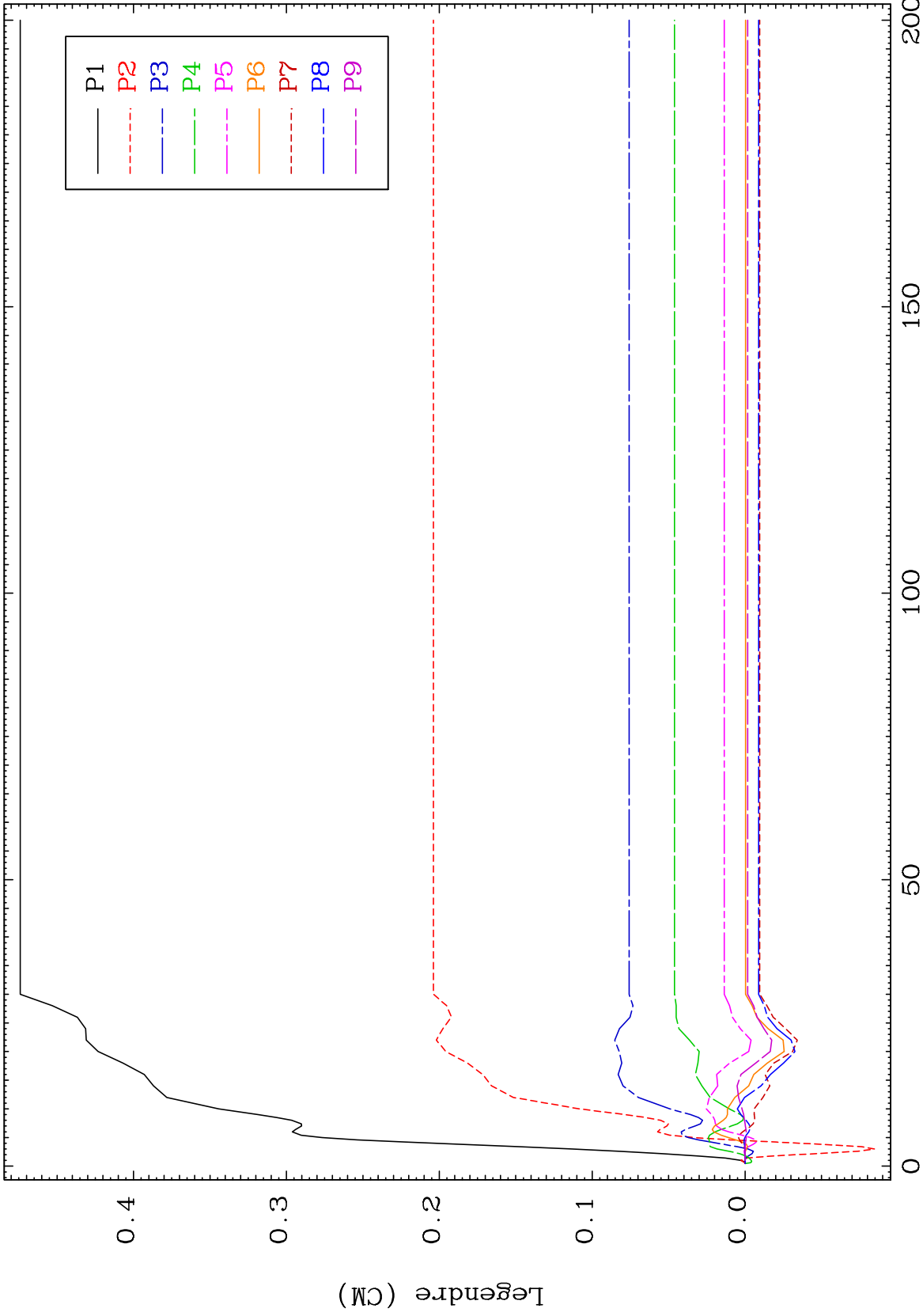
62-Sm-151



MAT 6246

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

62-Sm-151



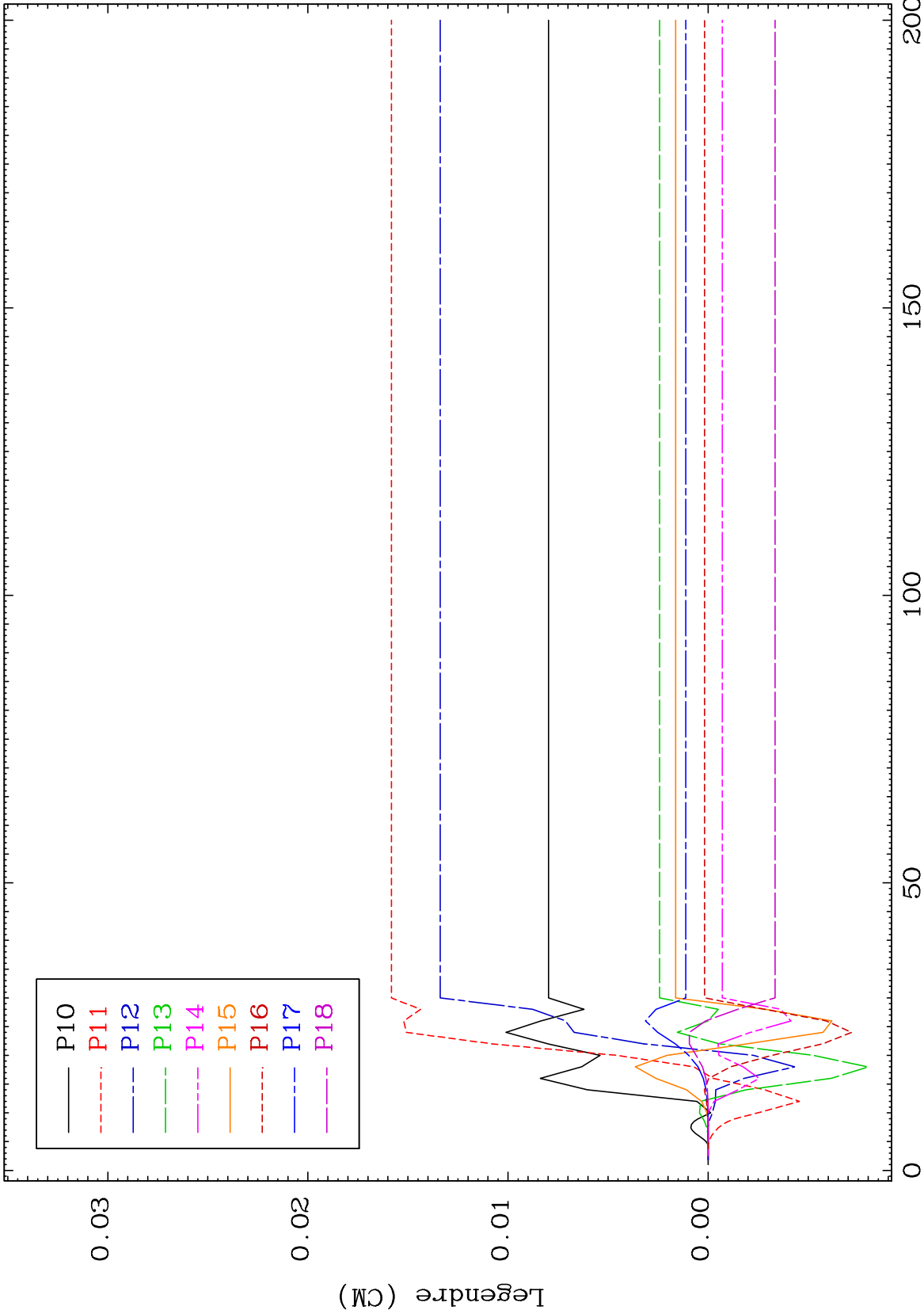
134

62-Sm-151

MAT 6246

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

62-Sm-151



135

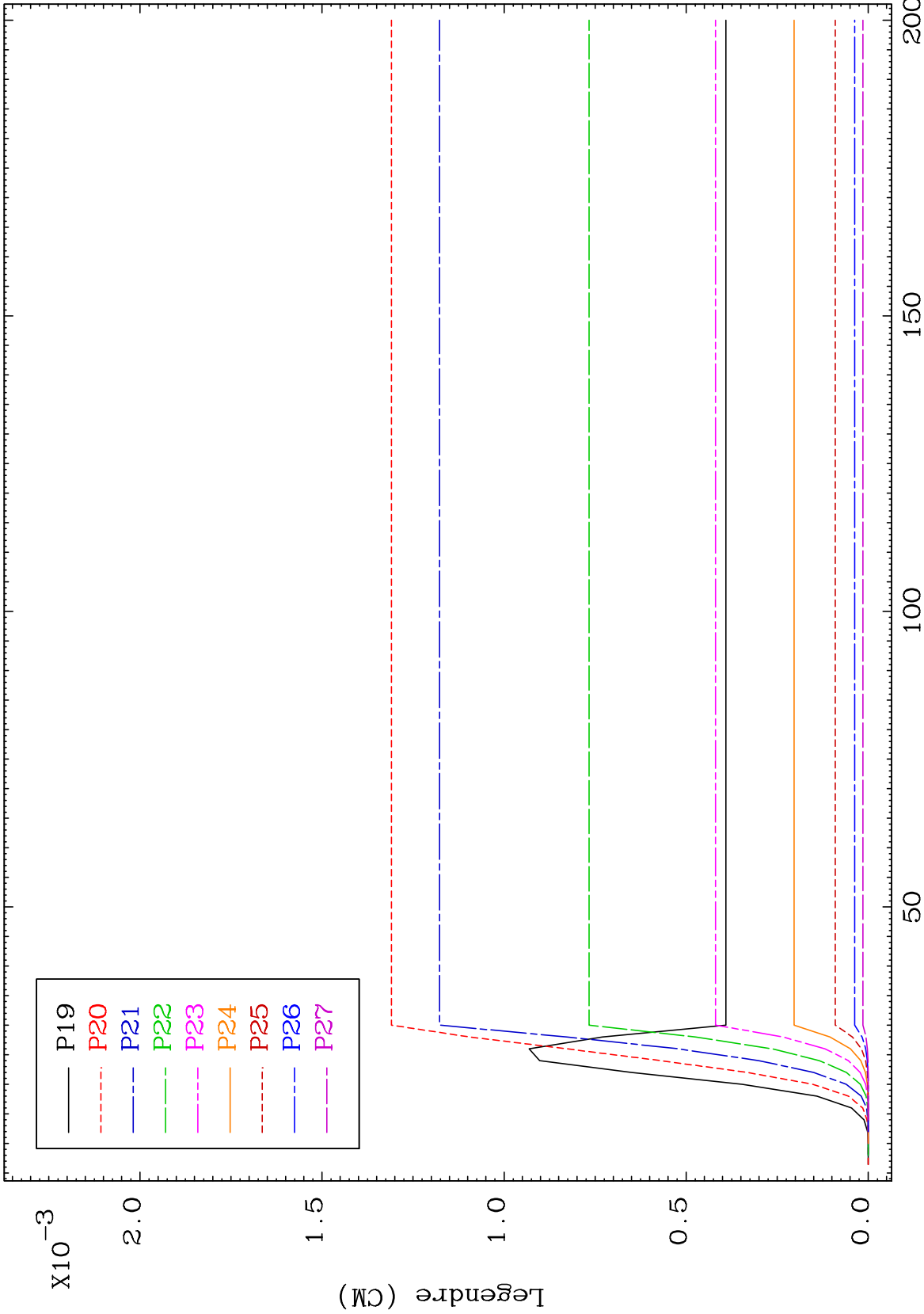
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



136

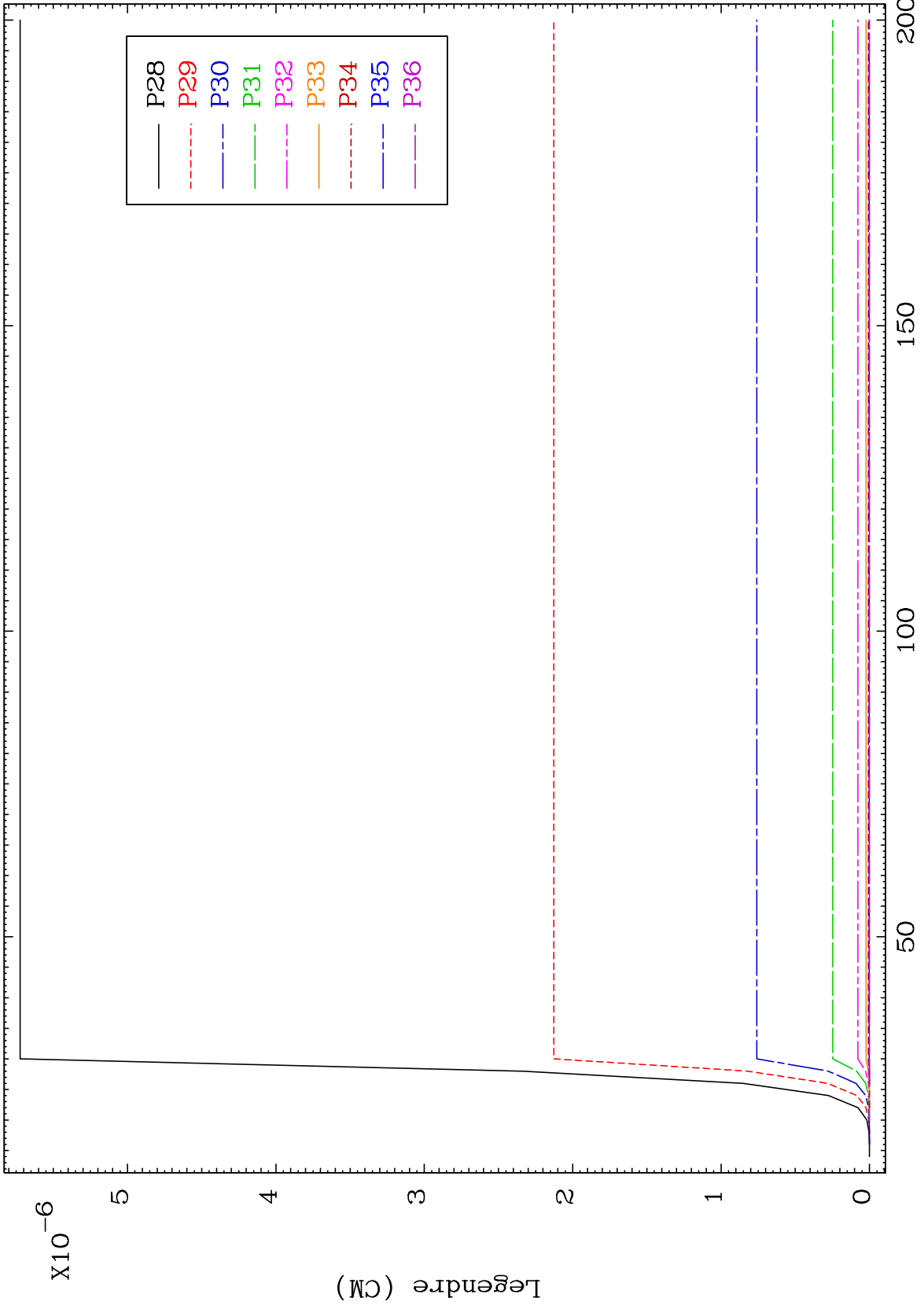
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



137

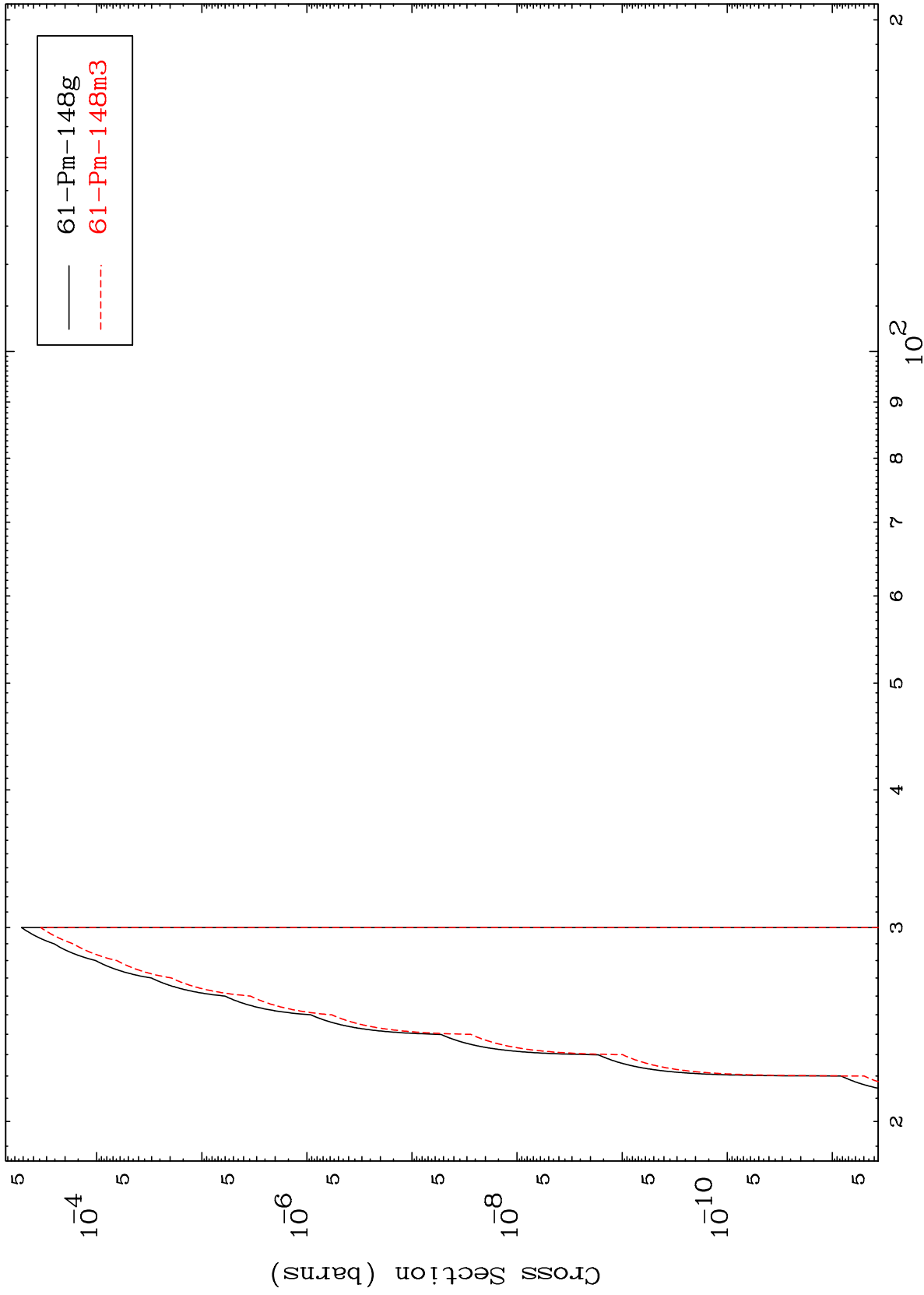
62-Sm-151

MAT 6246

(n,2n) d

62-Sm-151

Radionuclide Production Cross Section



138

Incident Energy (MeV)

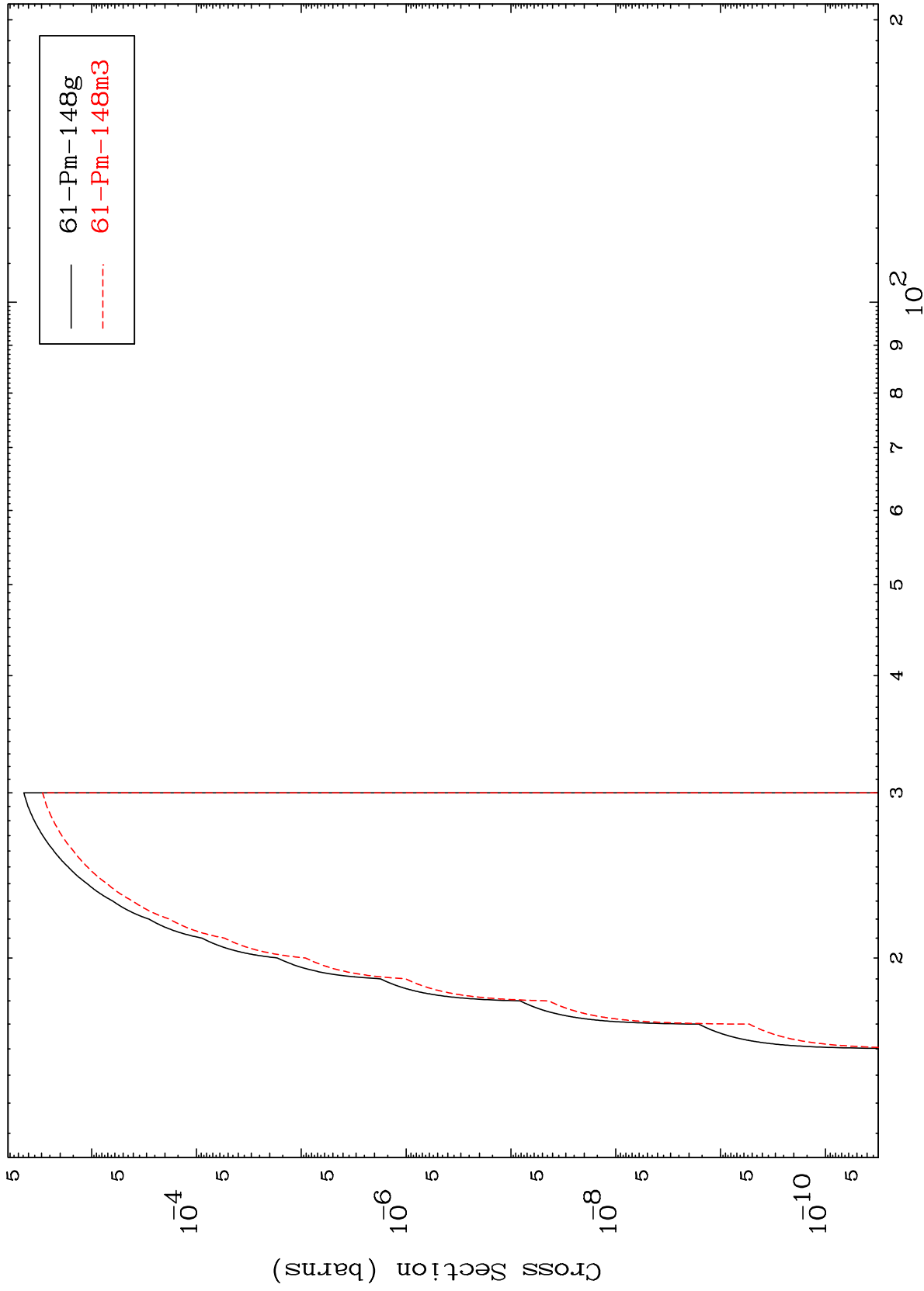
62-Sm-151

MAT 6246

(n,n') t

62-Sm-151

Radionuclide Production Cross Section



139

Incident Energy (MeV)

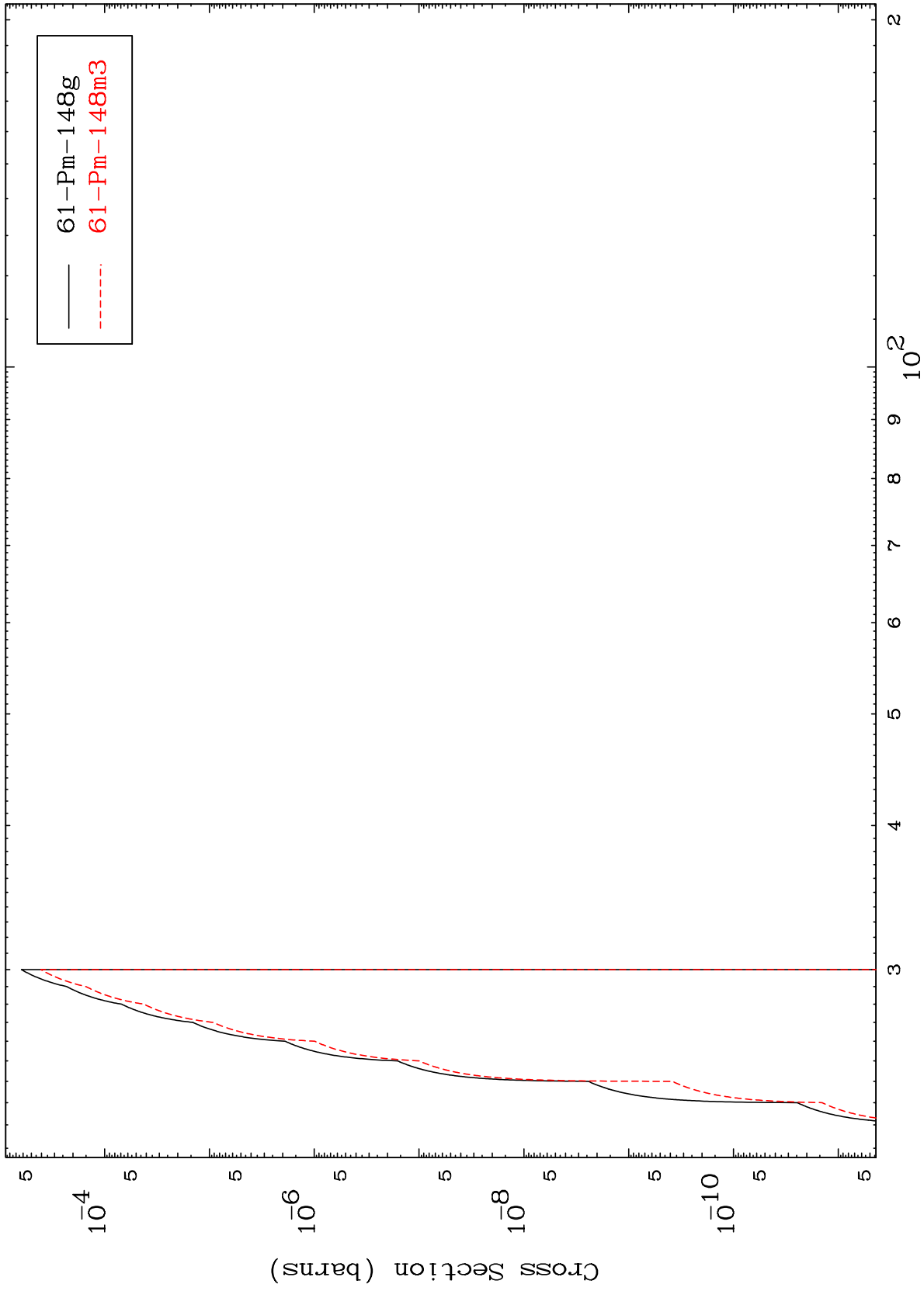
62-Sm-151

MAT 6246

(n,3n) p

62-Sm-151

Radionuclide Production Cross Section



140

Incident Energy (MeV)

62-Sm-151