

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

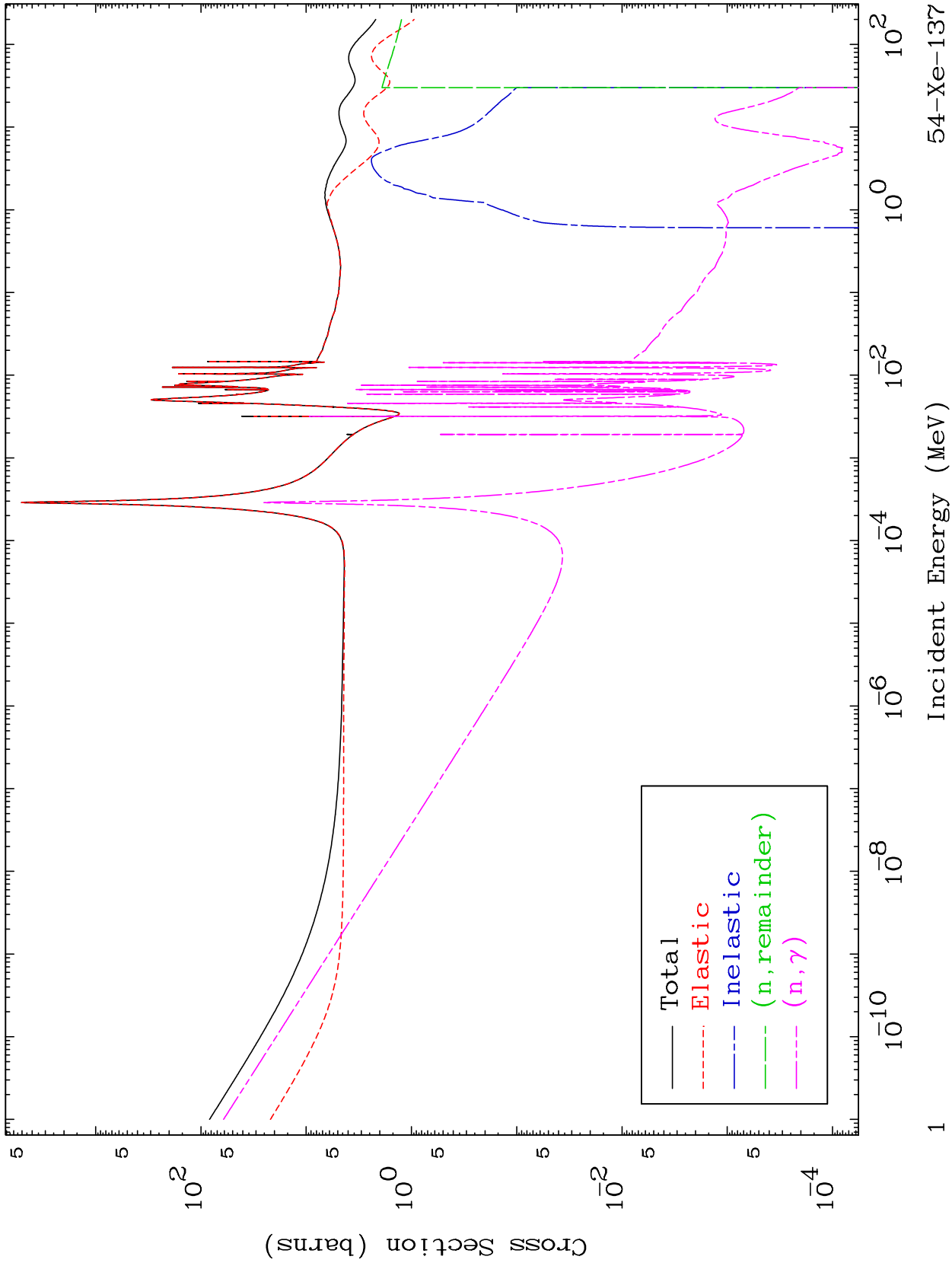
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5464

Major
293 Kelvin Cross Sections

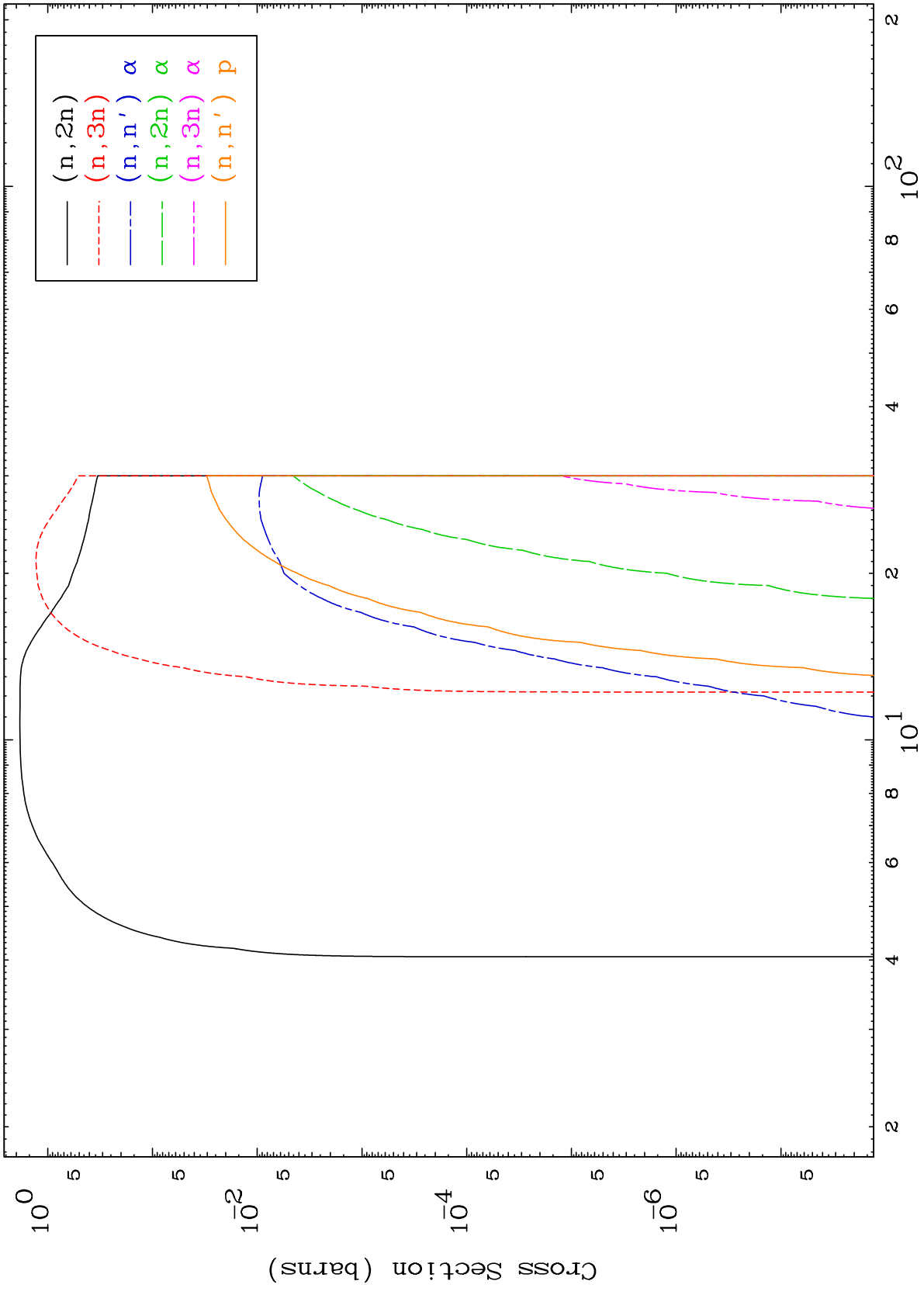
54-Xe-137



MAT 5464

Neutron Production 293 Kelvin Cross Sections

54-Xe-137



2

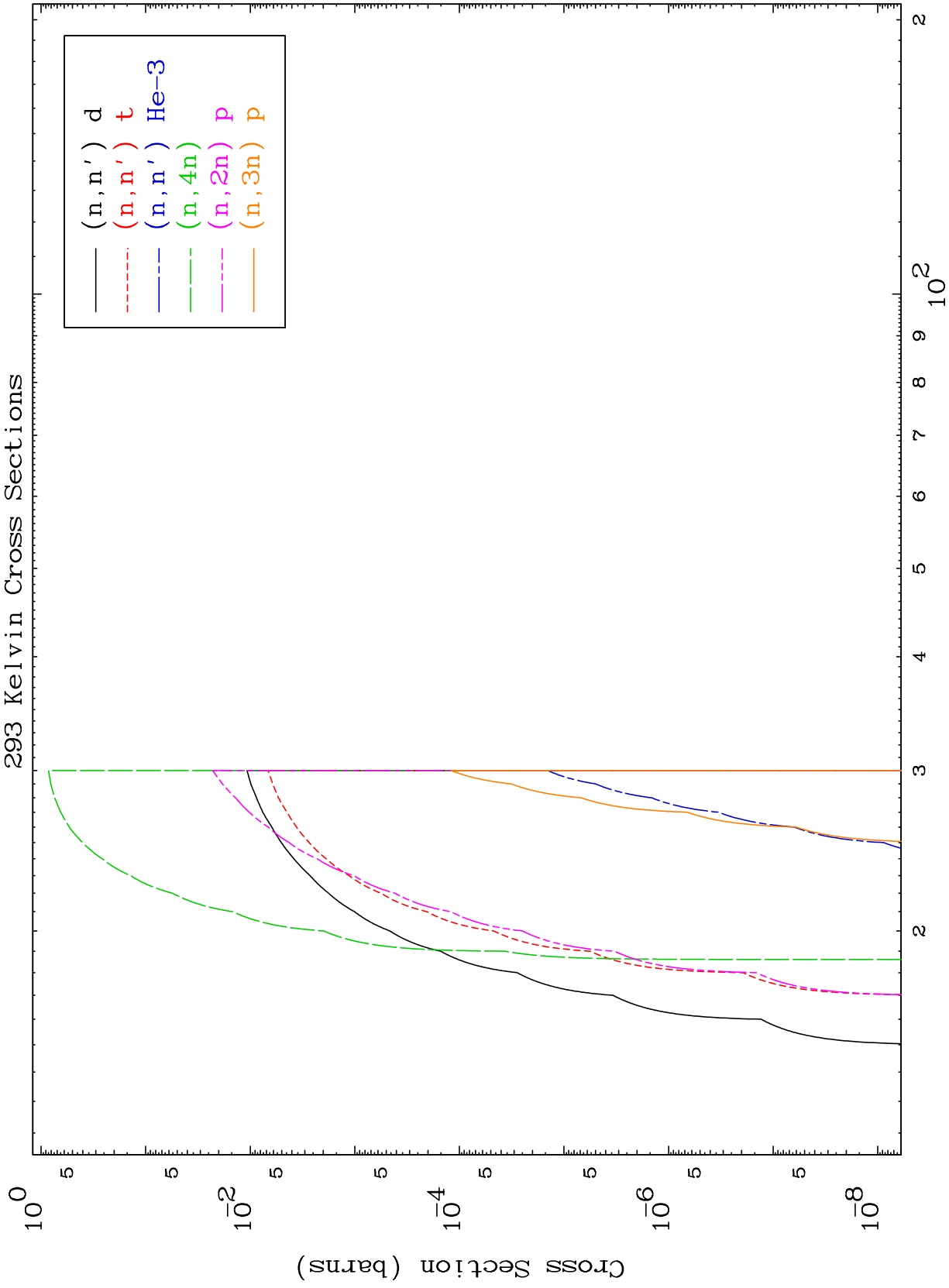
Incident Energy (MeV)

54-Xe-137

MAT 5464

Neutron Production
293 Kelvin Cross Sections

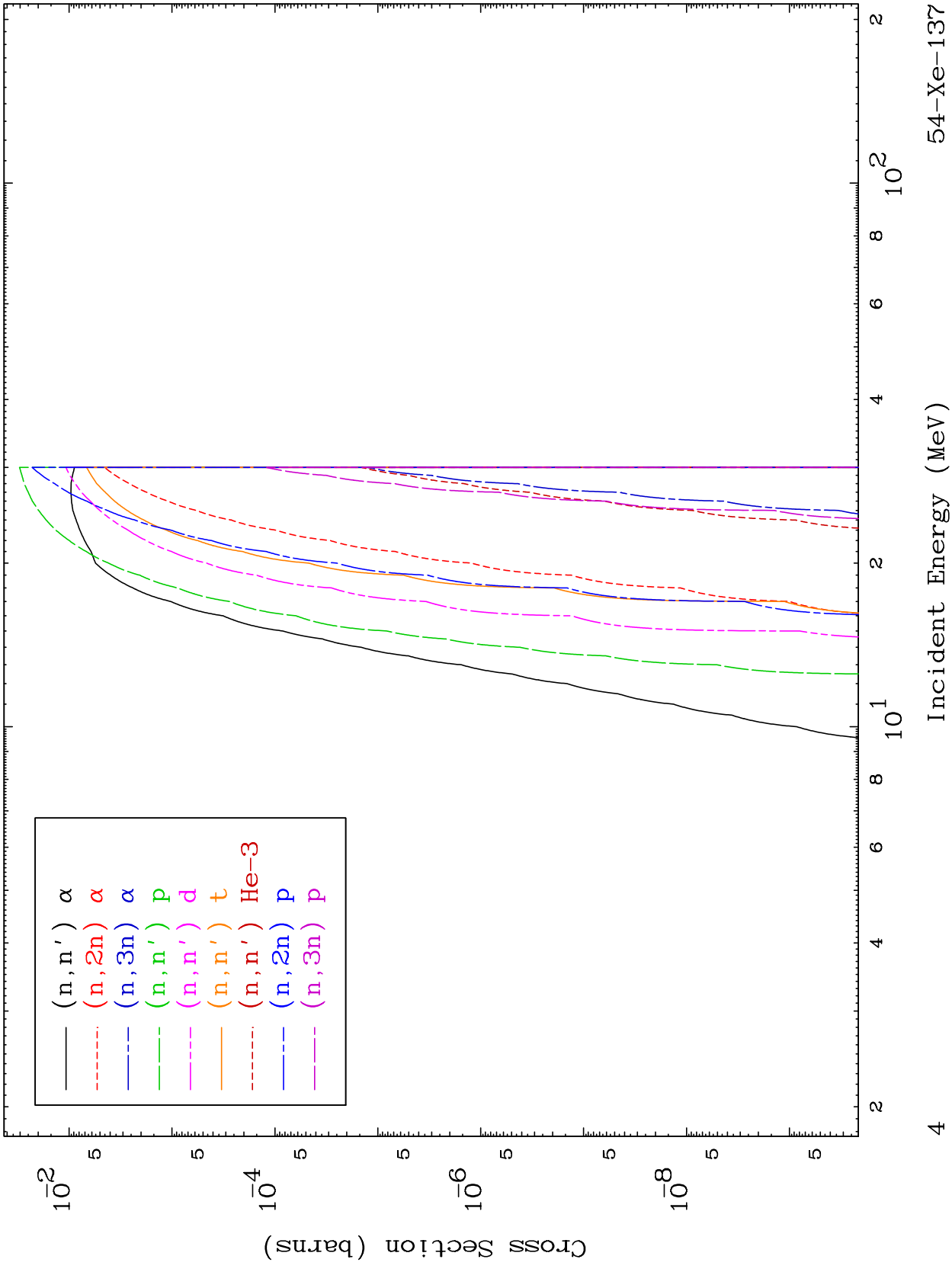
54-Xe-137



3

Incident Energy (MeV)

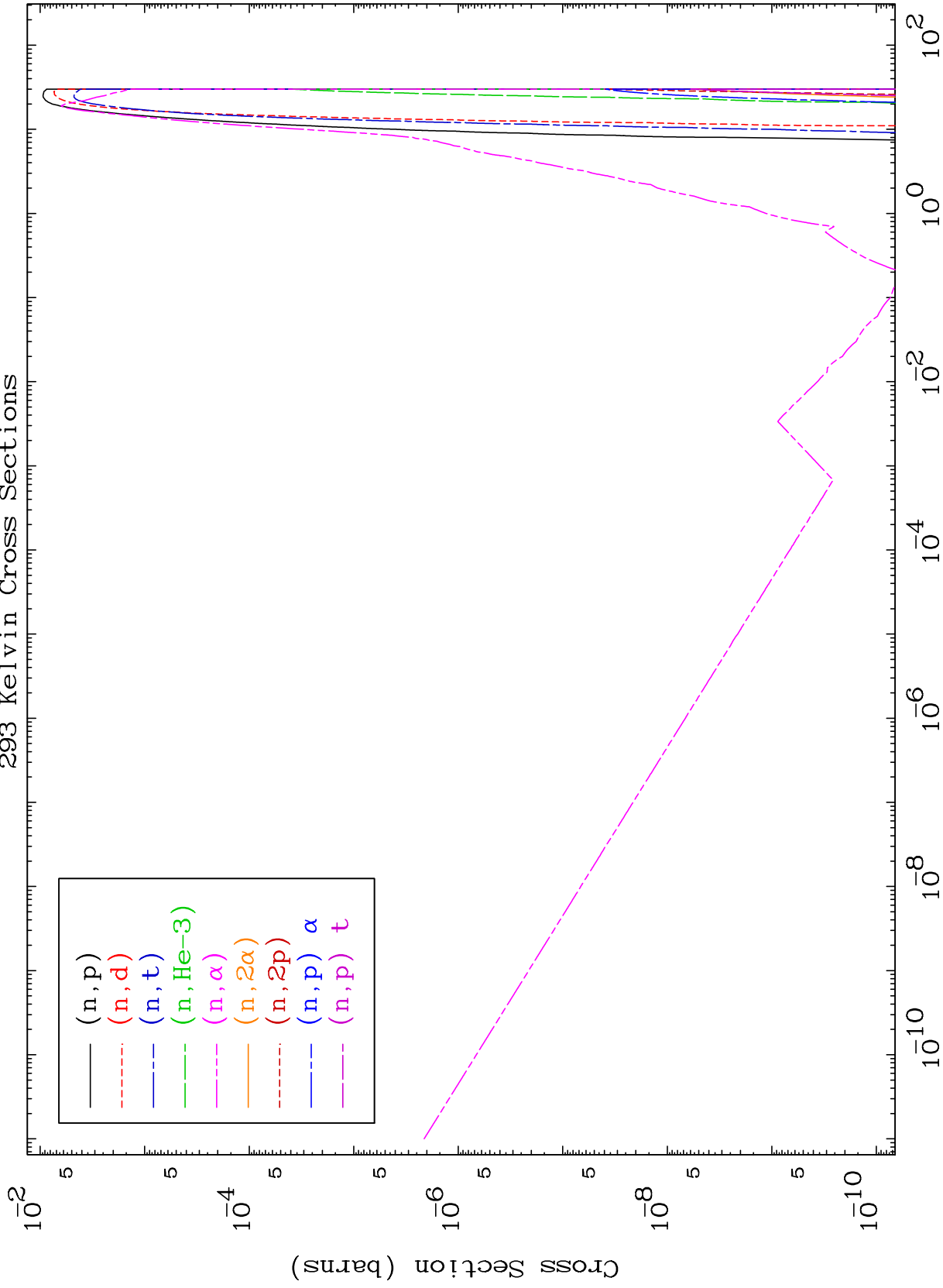
54-Xe-137



MAT 5464

293 Kelvin Cross Sections

54-Xe-137



5

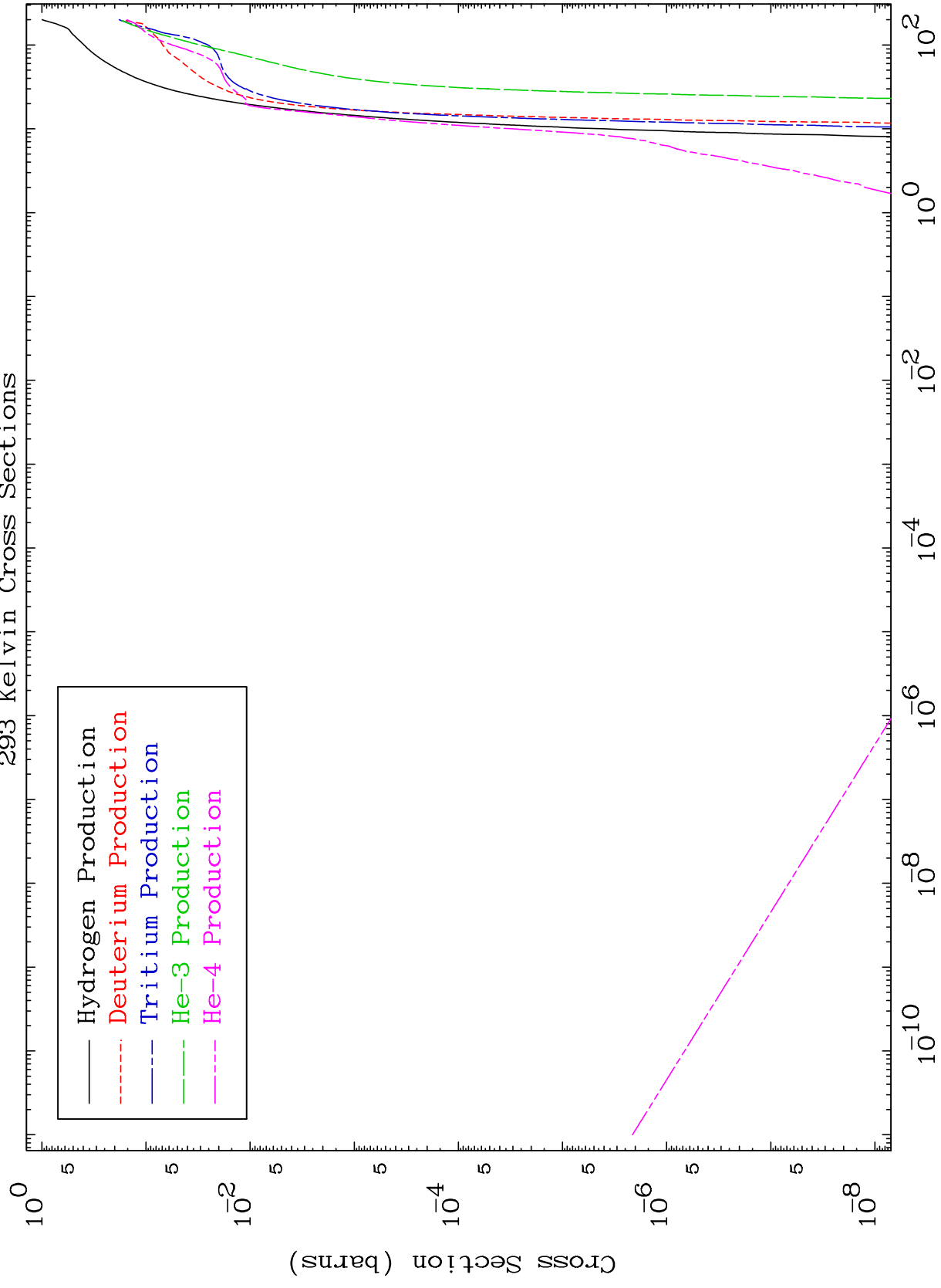
Incident Energy (MeV)

54-Xe-137

MAT 5464

Particle Production
293 Kelvin Cross Sections

54-Xe-137



6

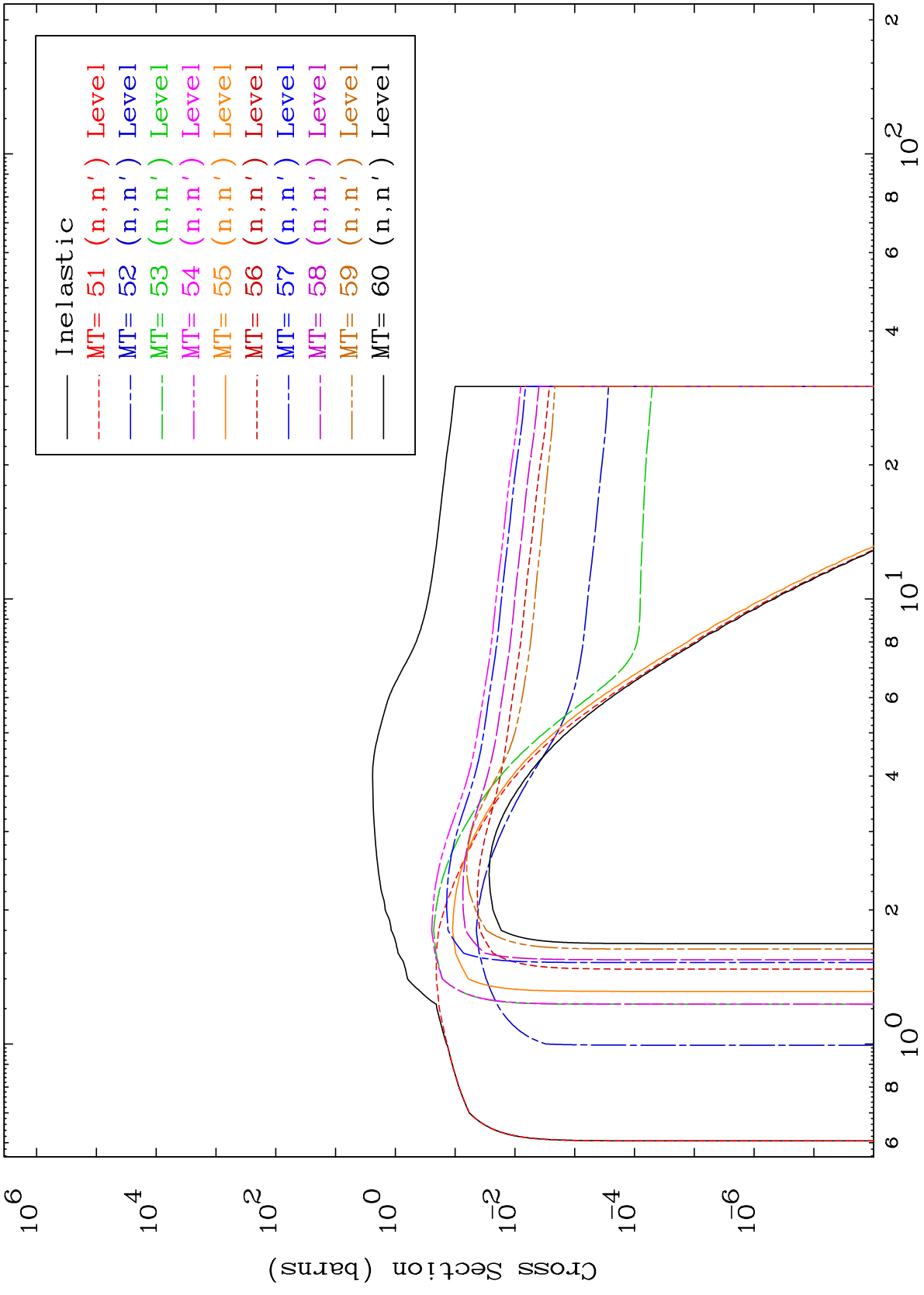
54-Xe-137

MAT 5464

(n,n') Level

54-Xe-137

293 Kelvin Cross Sections



7

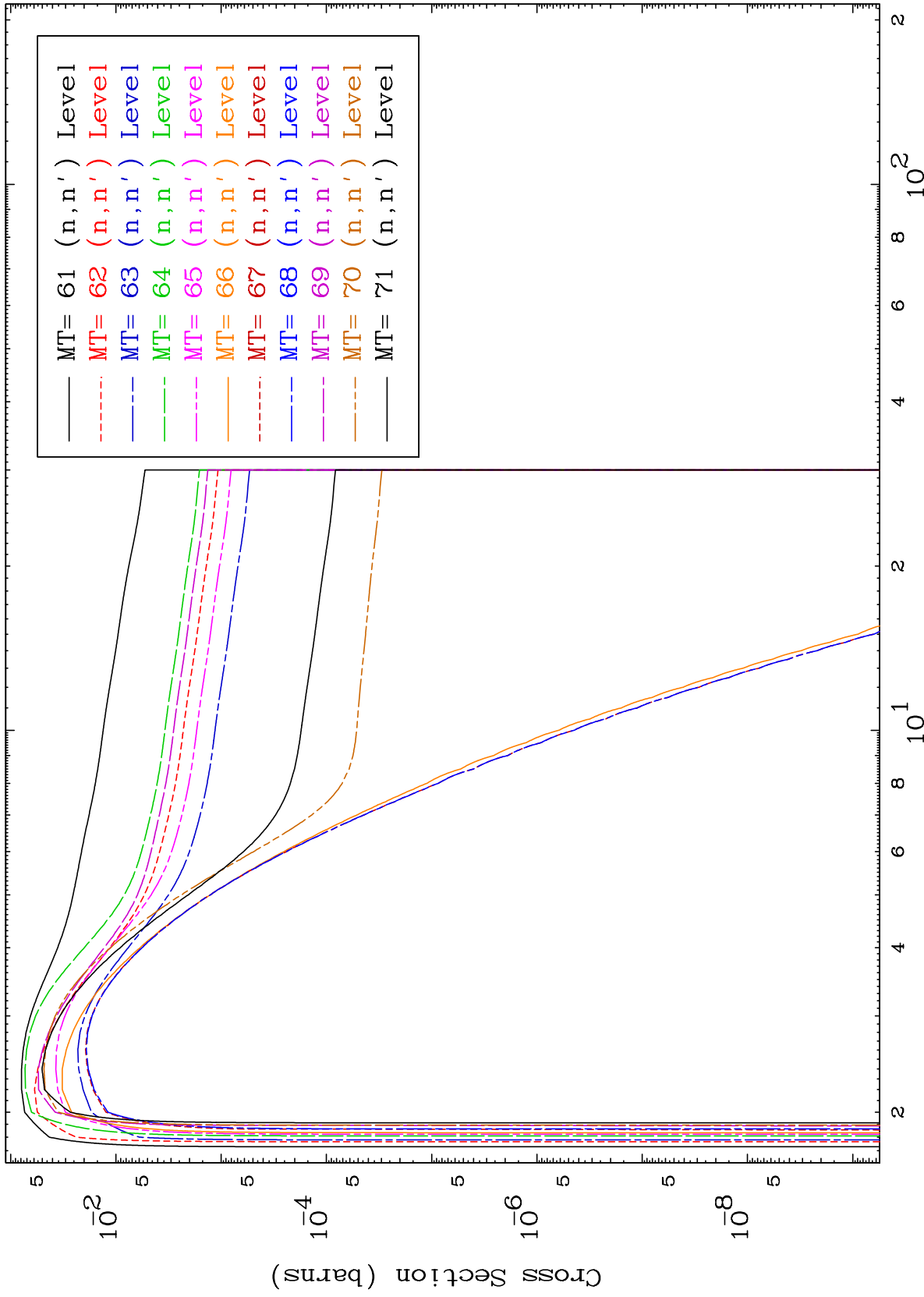
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,n') Level
293 Kelvin Cross Sections

54-Xe-137



8

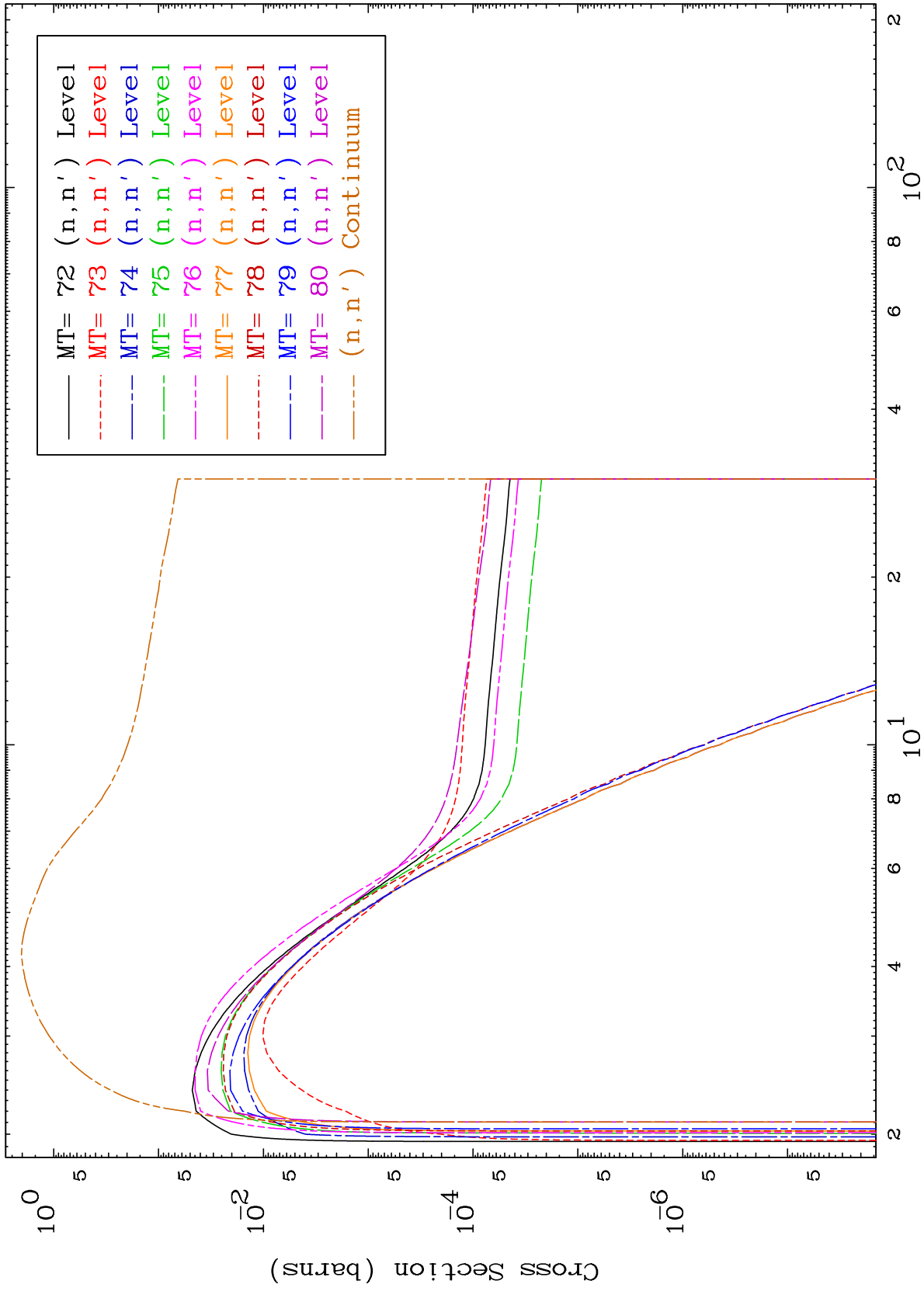
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,n') Level
293 Kelvin Cross Sections

54-Xe-137



9

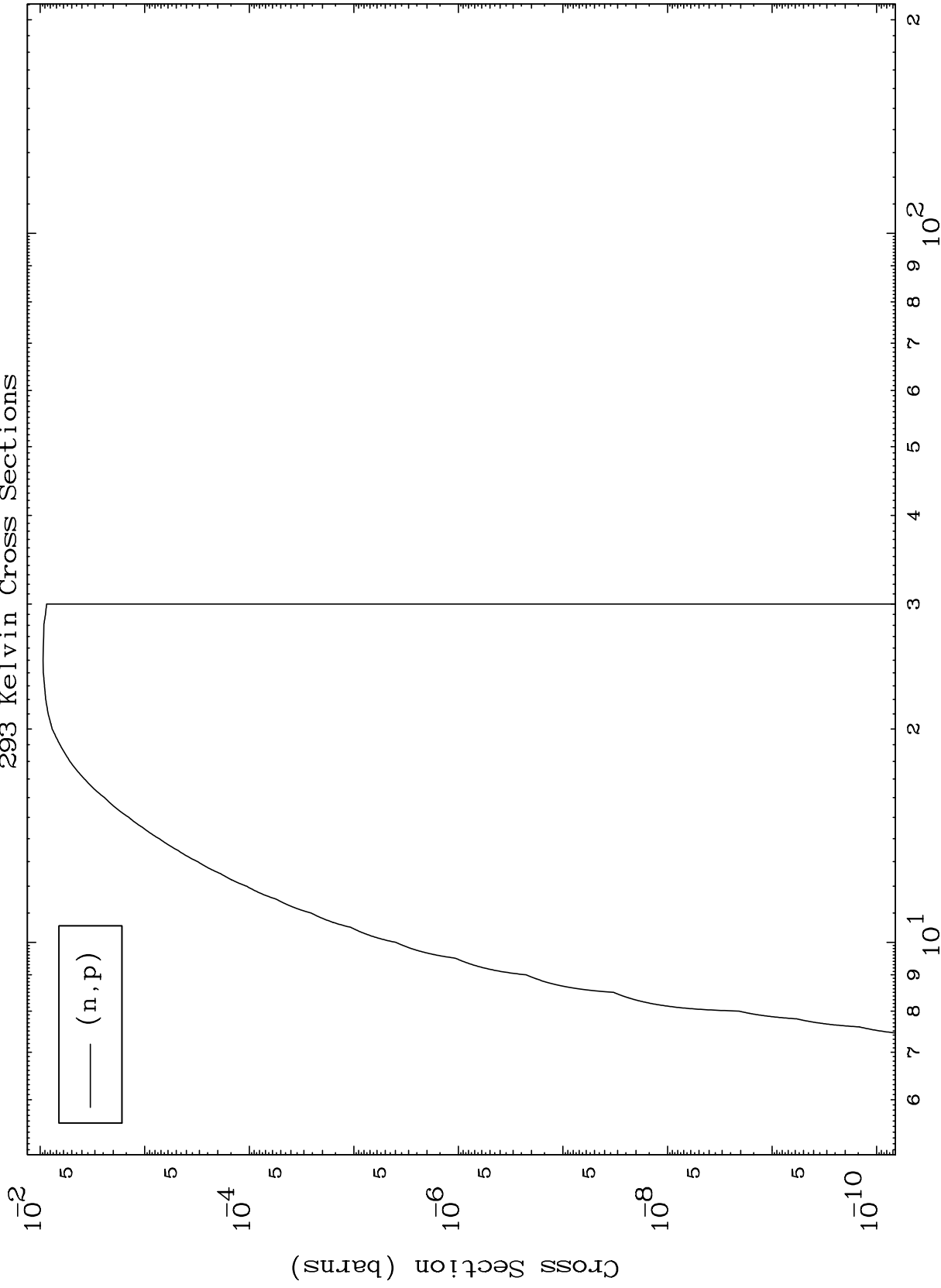
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-137



10

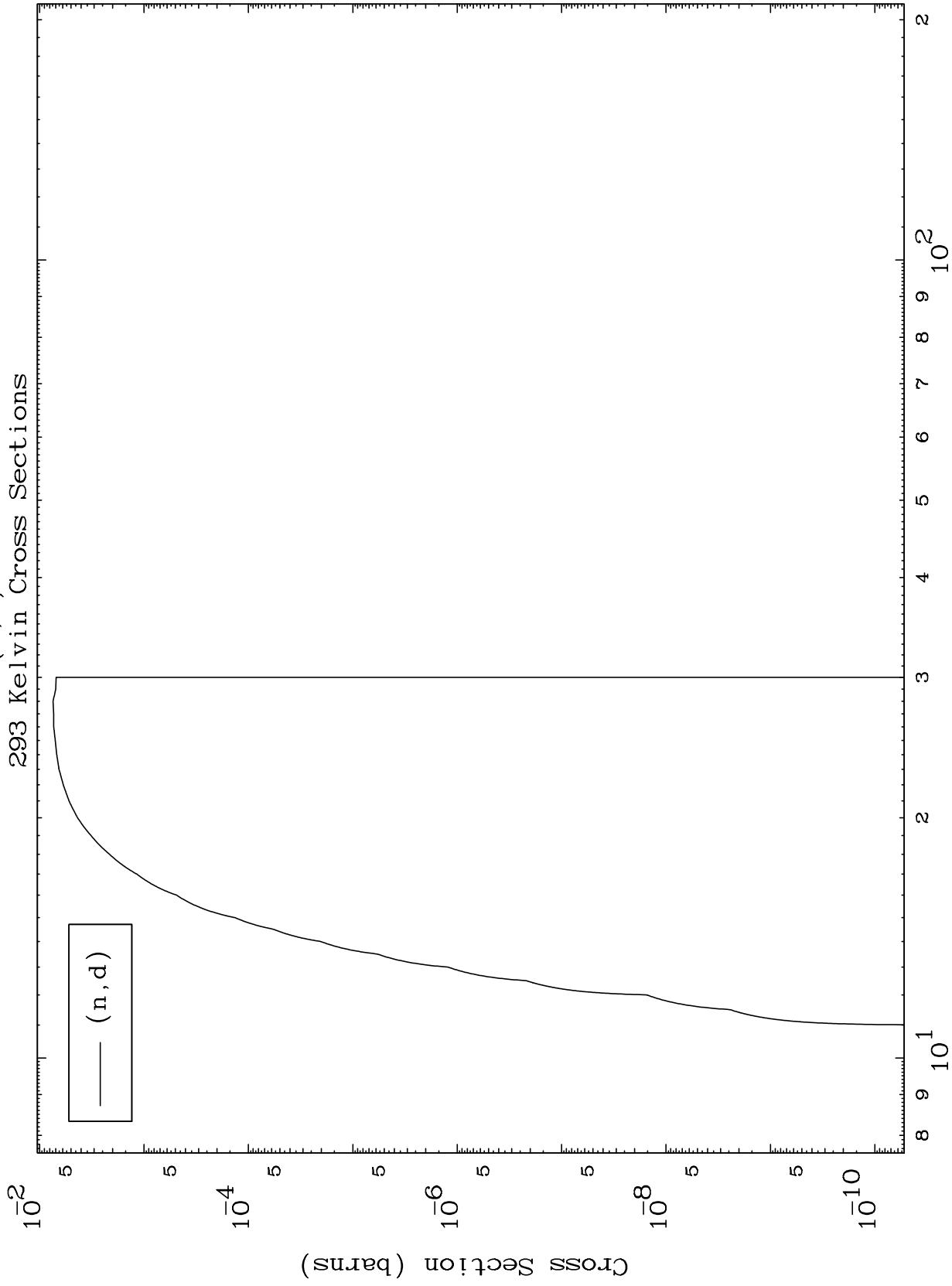
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-137



11

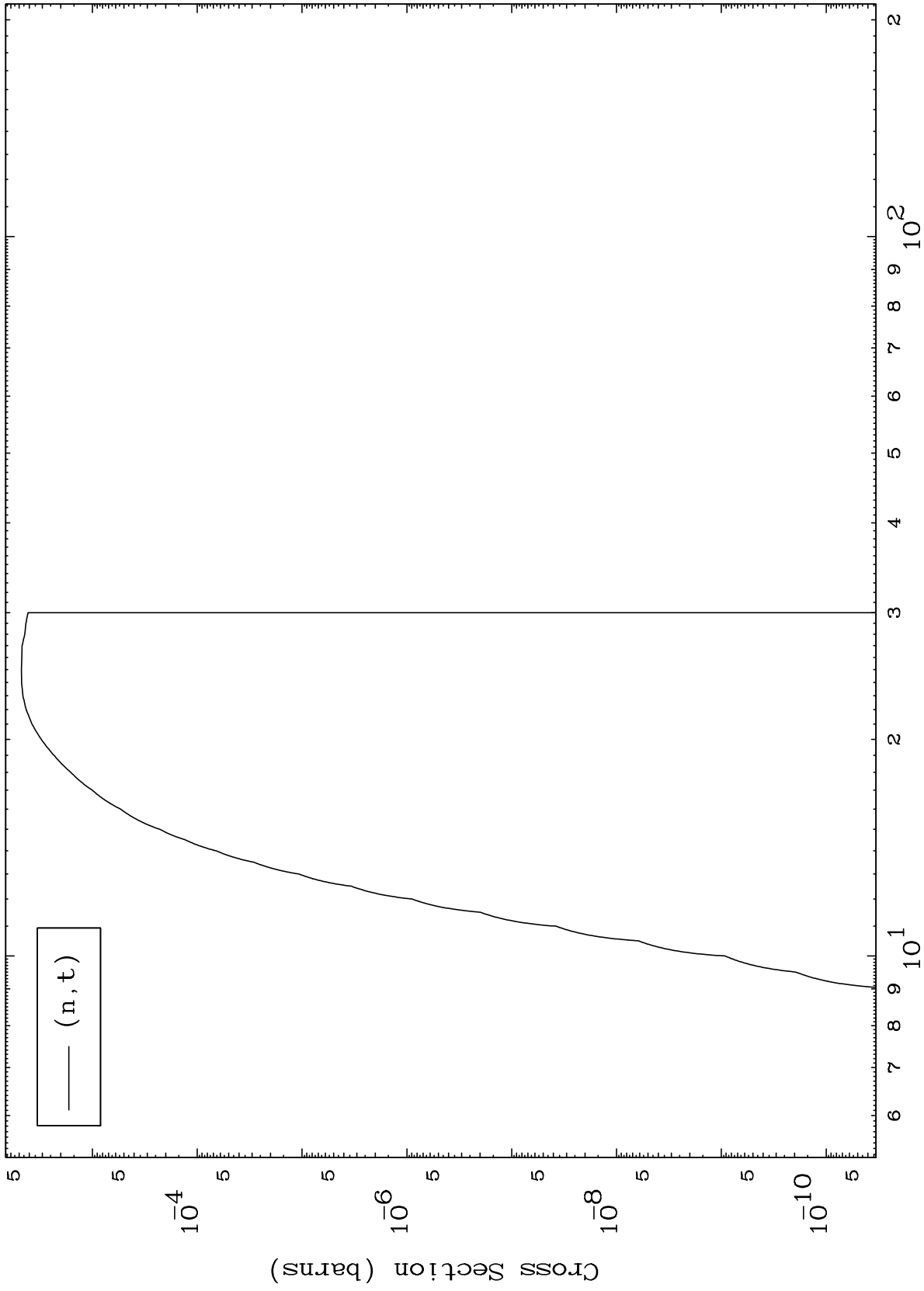
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-137



12

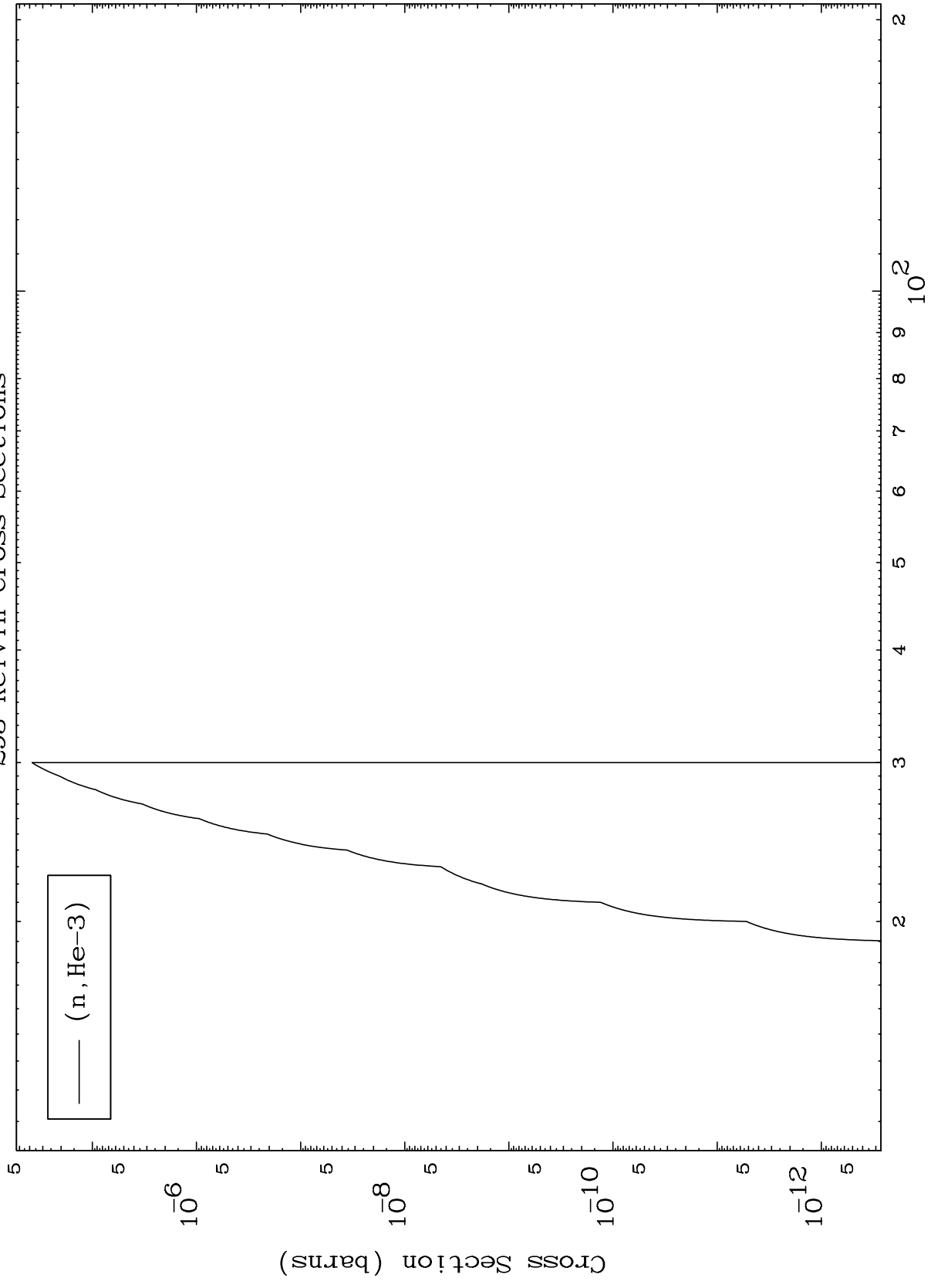
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-137



13

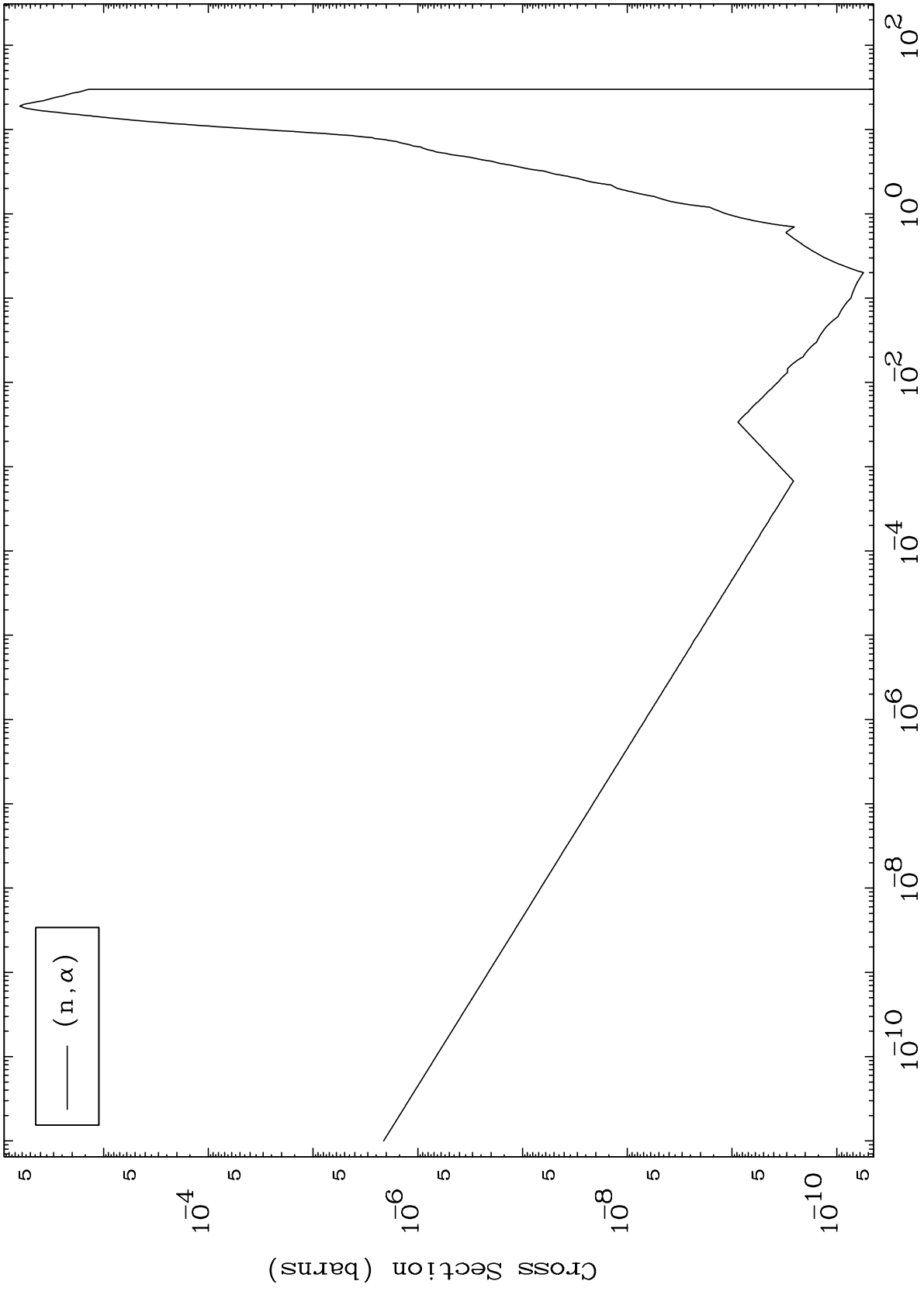
Incident Energy (MeV)

54-Xe-137

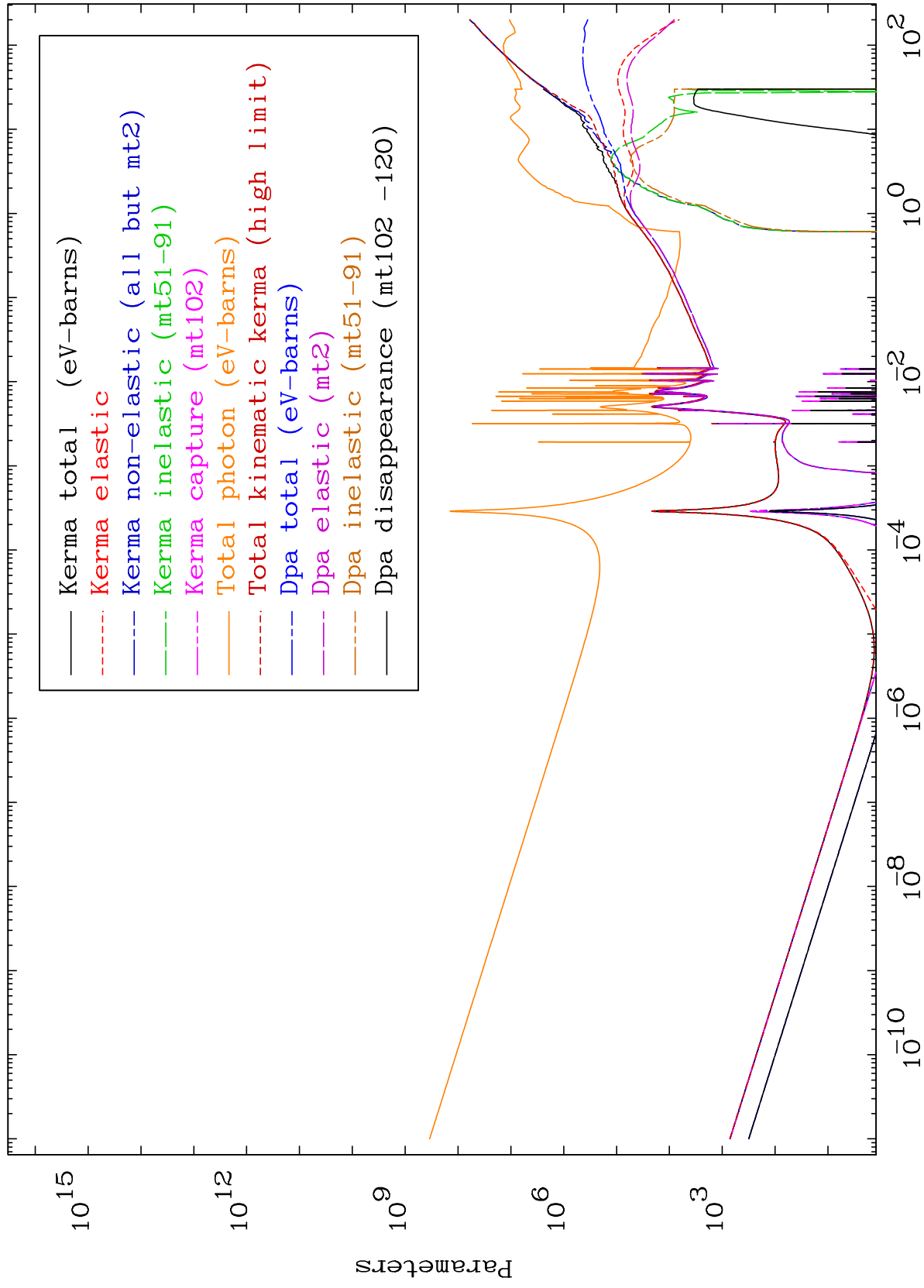
MAT 5464

(n,α) Levels
293 Kelvin Cross Sections

54-Xe-137



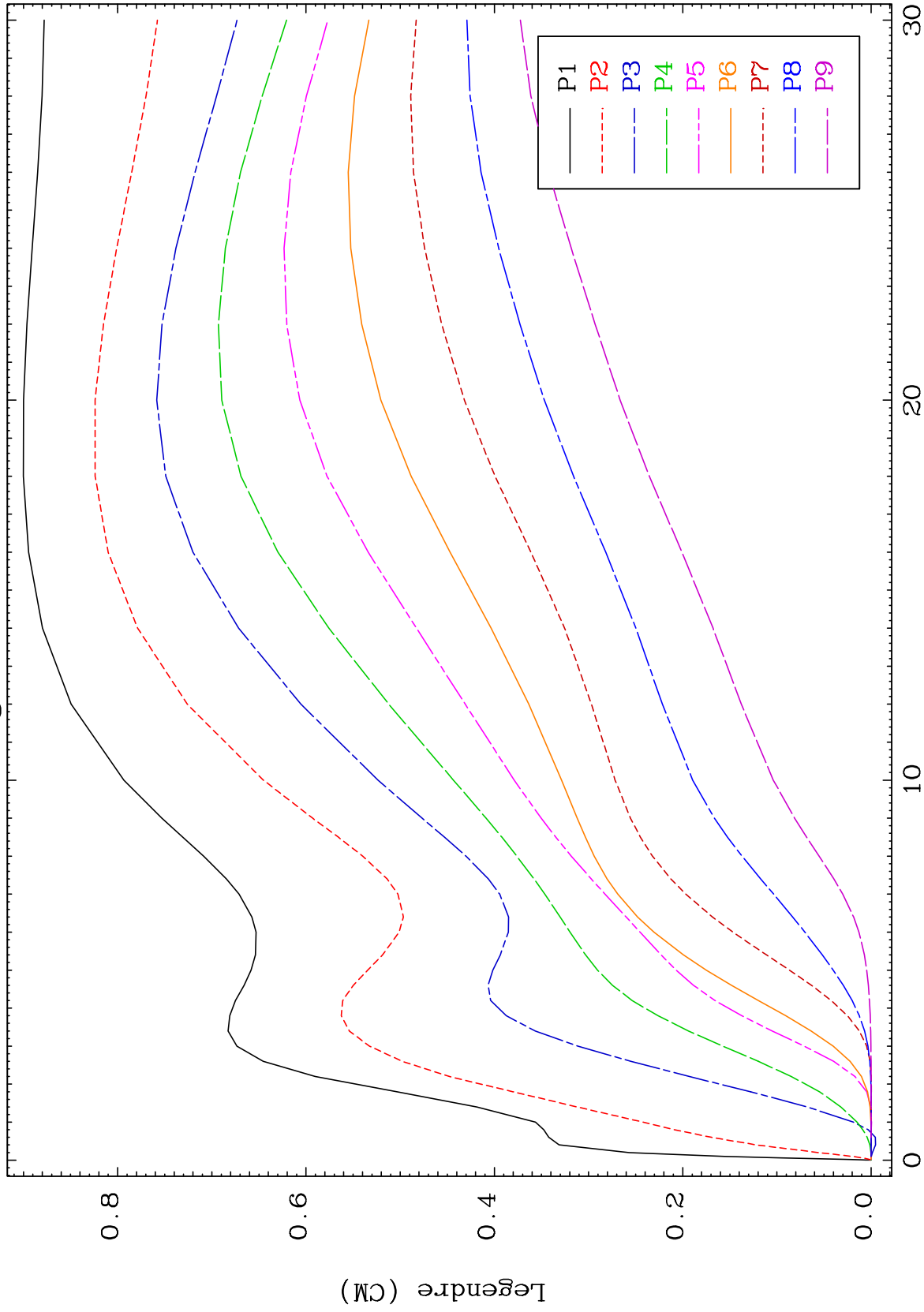
54-Xe-137



MAT 5464

Elastic Legendre Coefficients

54-Xe-137



16

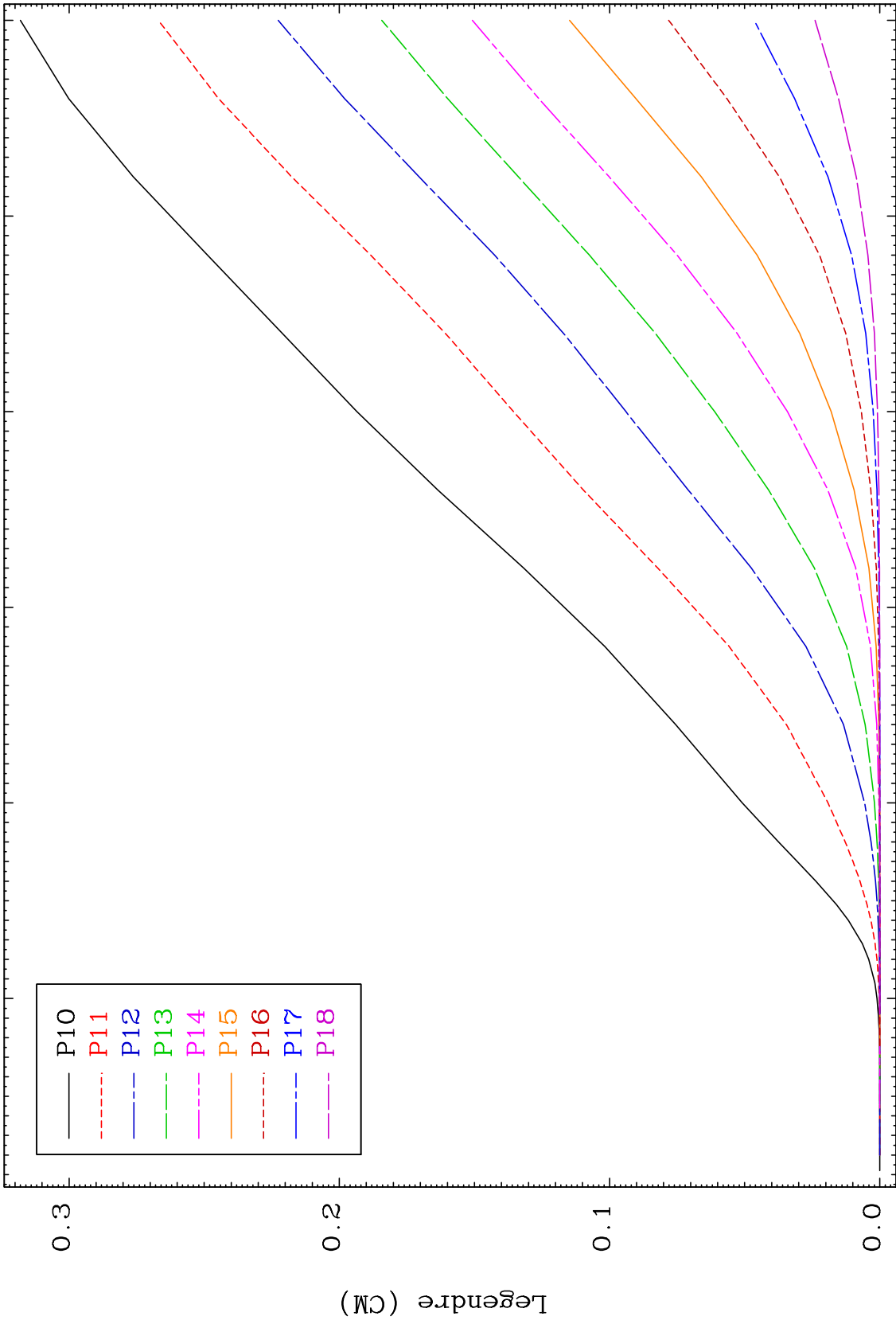
Incident Energy (MeV)

54-Xe-137

MAT 5464

Elastic Legendre Coefficients

54-Xe-137



17

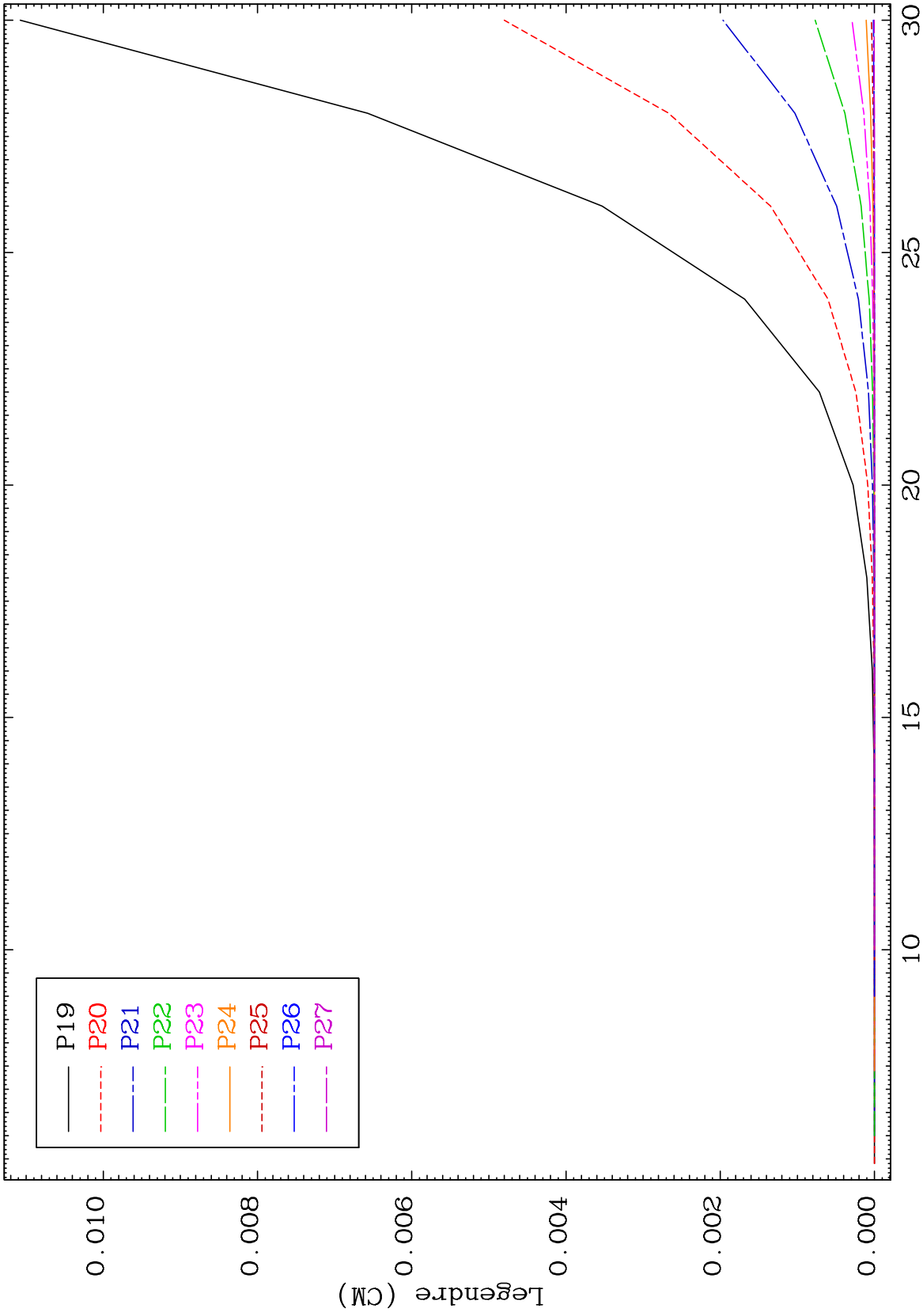
Incident Energy (MeV)

54-Xe-137

MAT 5464

Elastic Legendre Coefficients

54-Xe-137



18

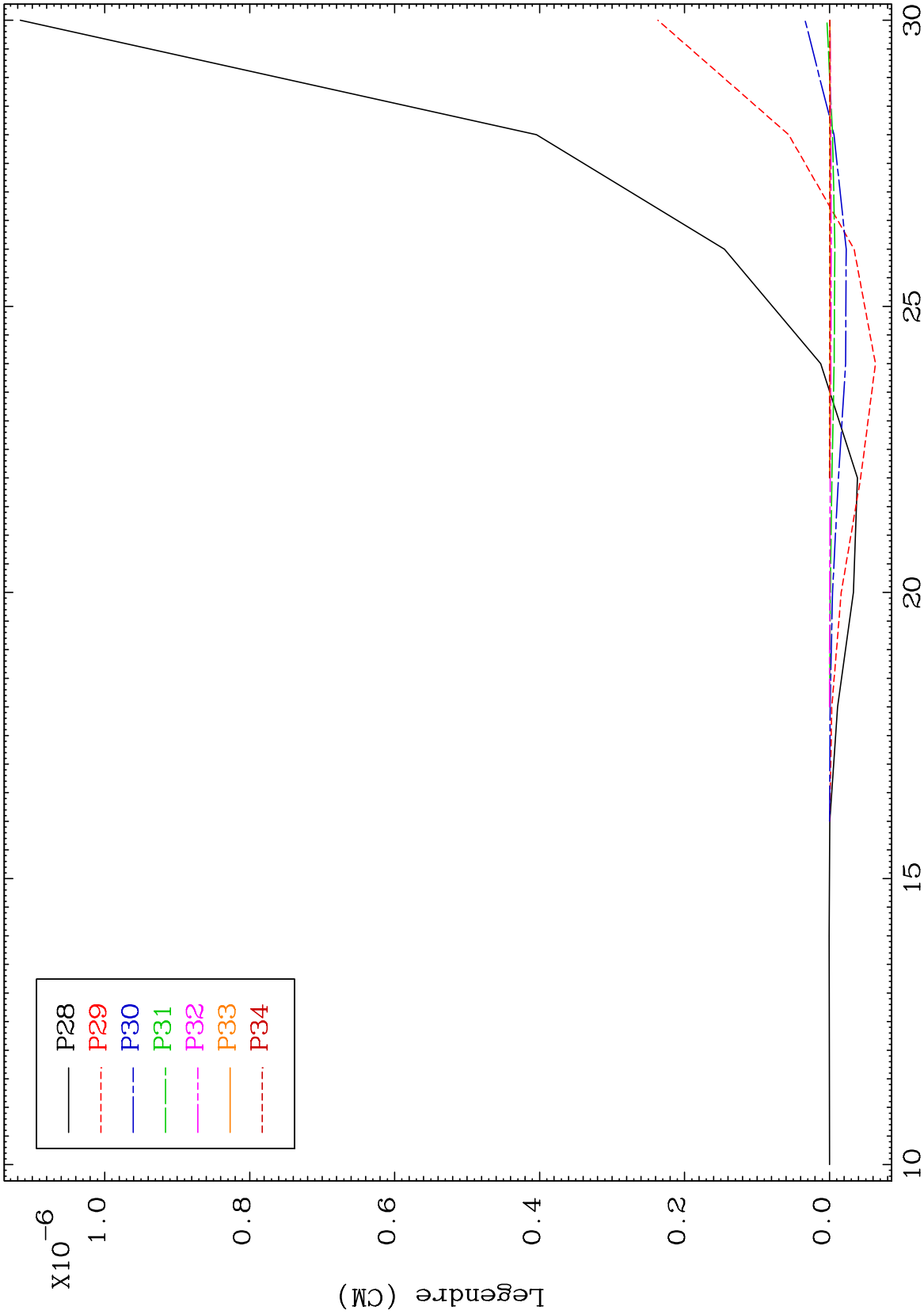
Incident Energy (MeV)

54-Xe-137

MAT 5464

Elastic Legendre Coefficients

54-Xe-137



19

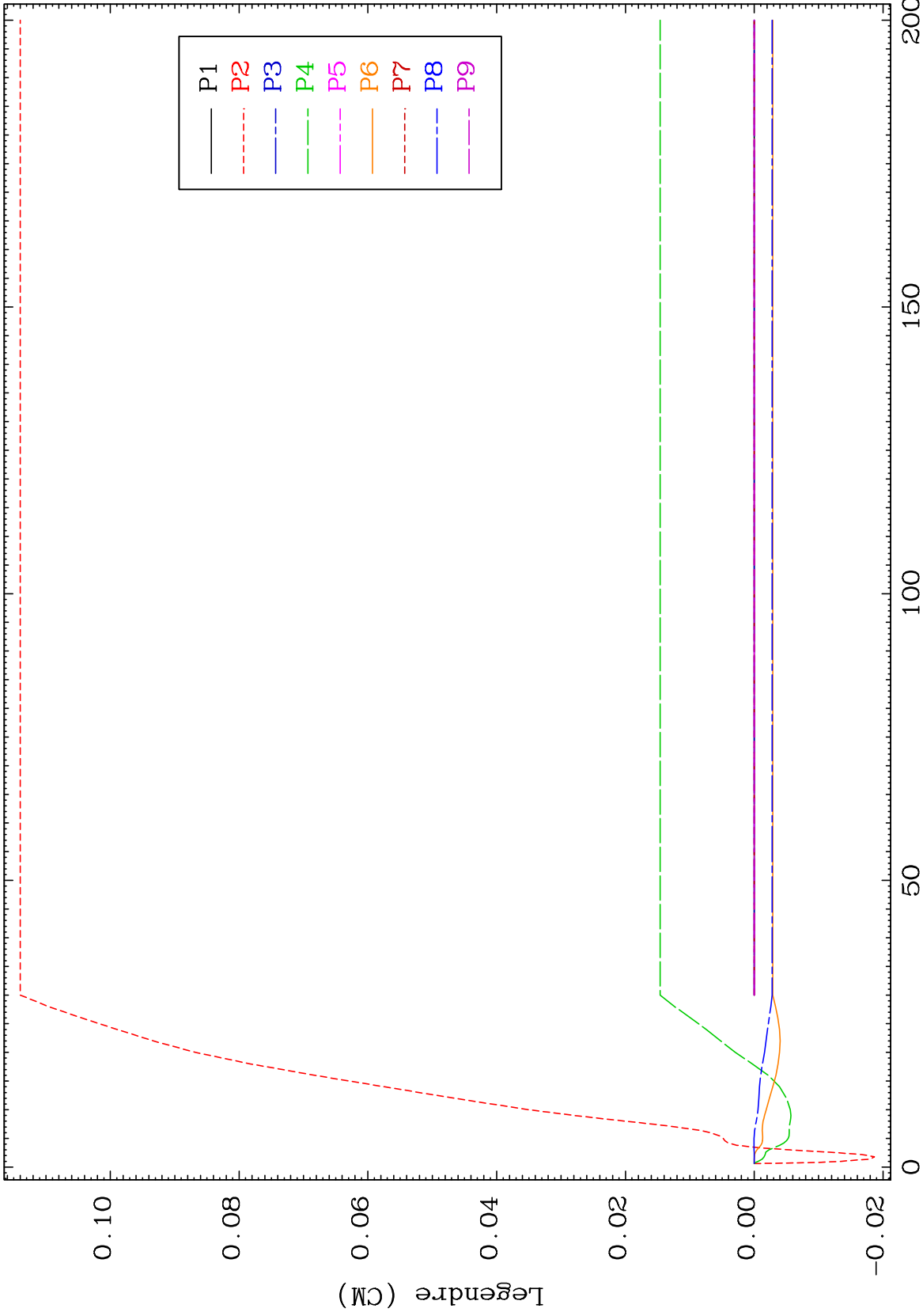
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



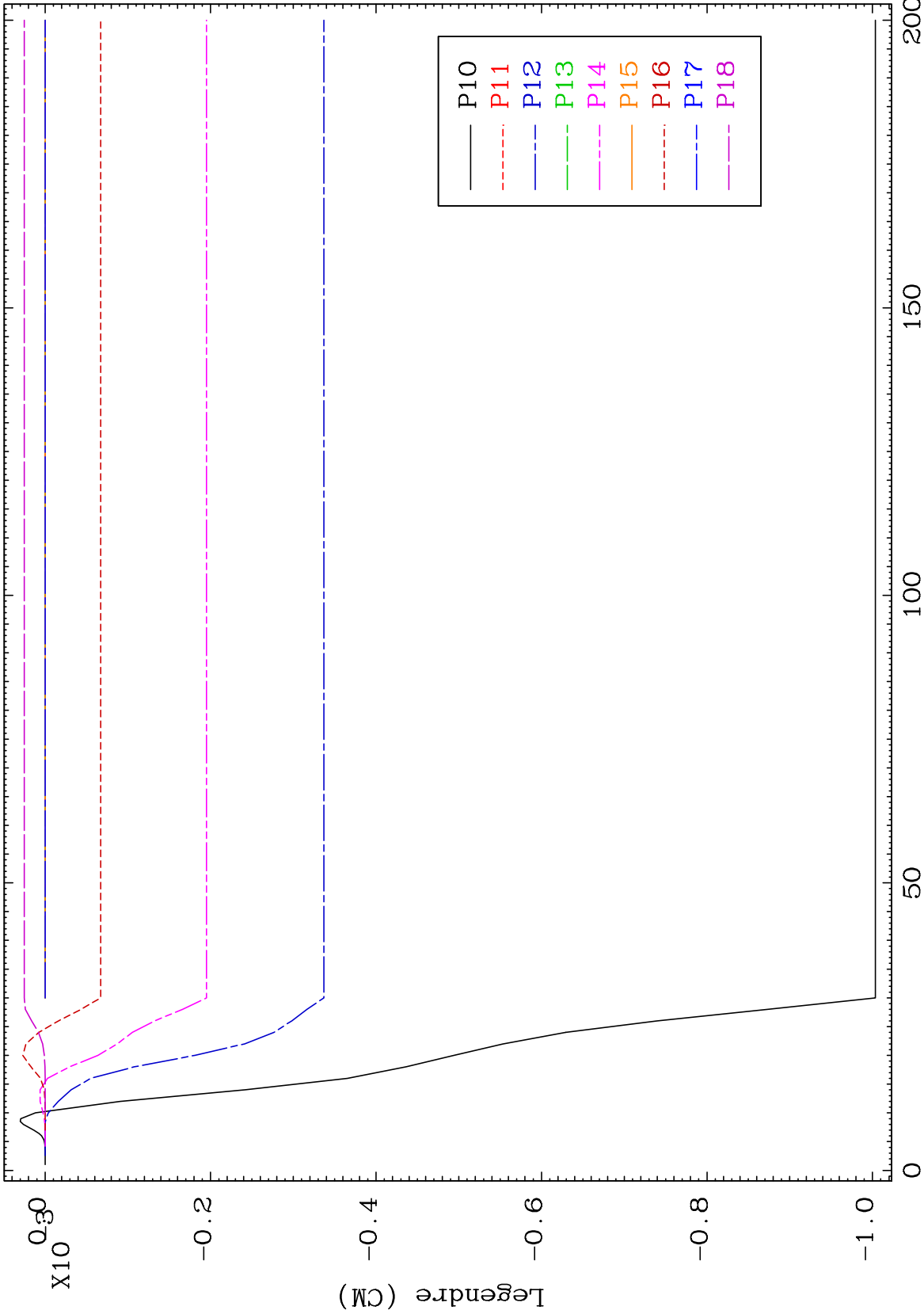
54-Xe-137

Incident Energy (MeV)

MAT 5464

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

54-Xe-137



21

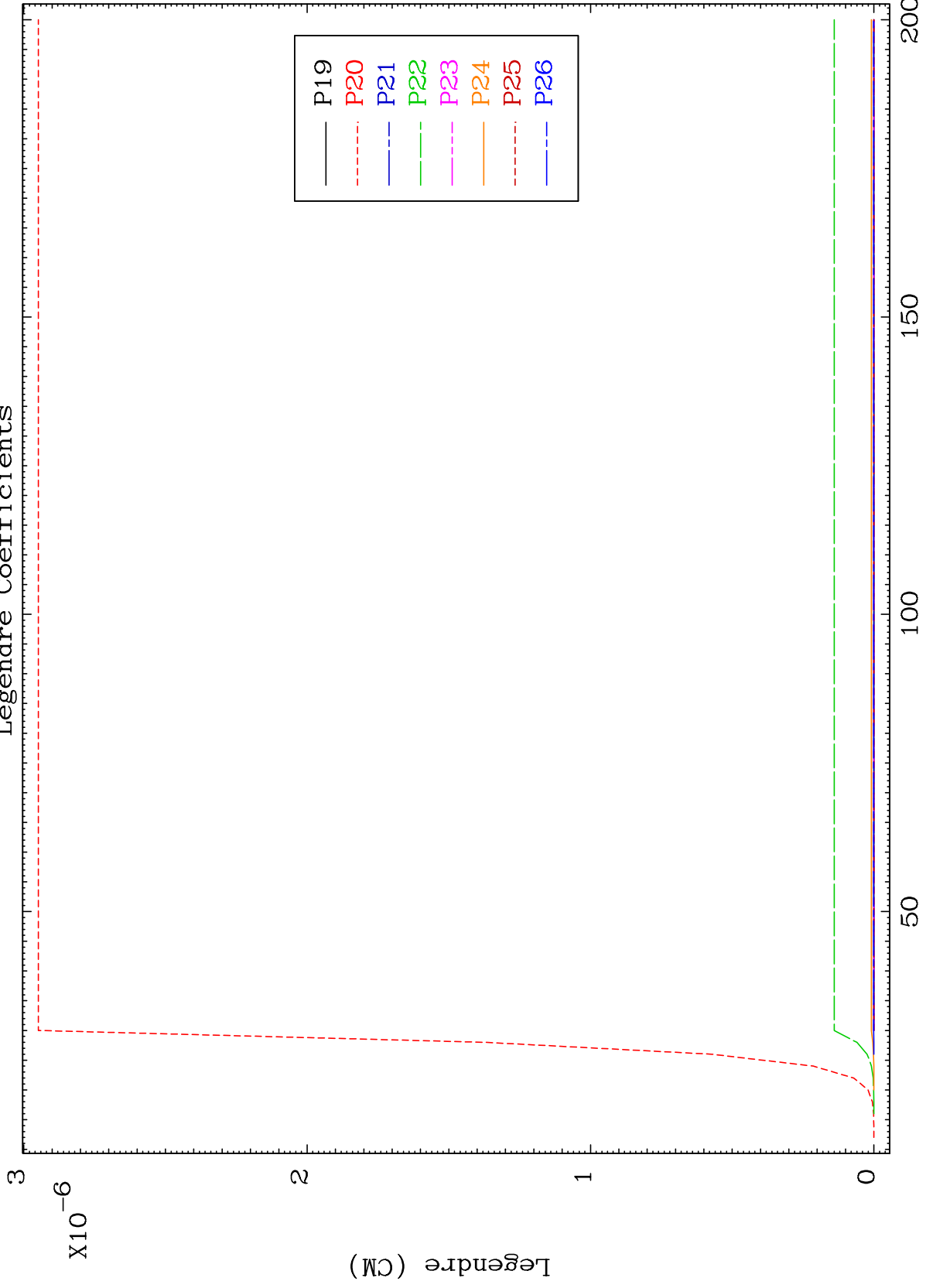
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



54-Xe-137

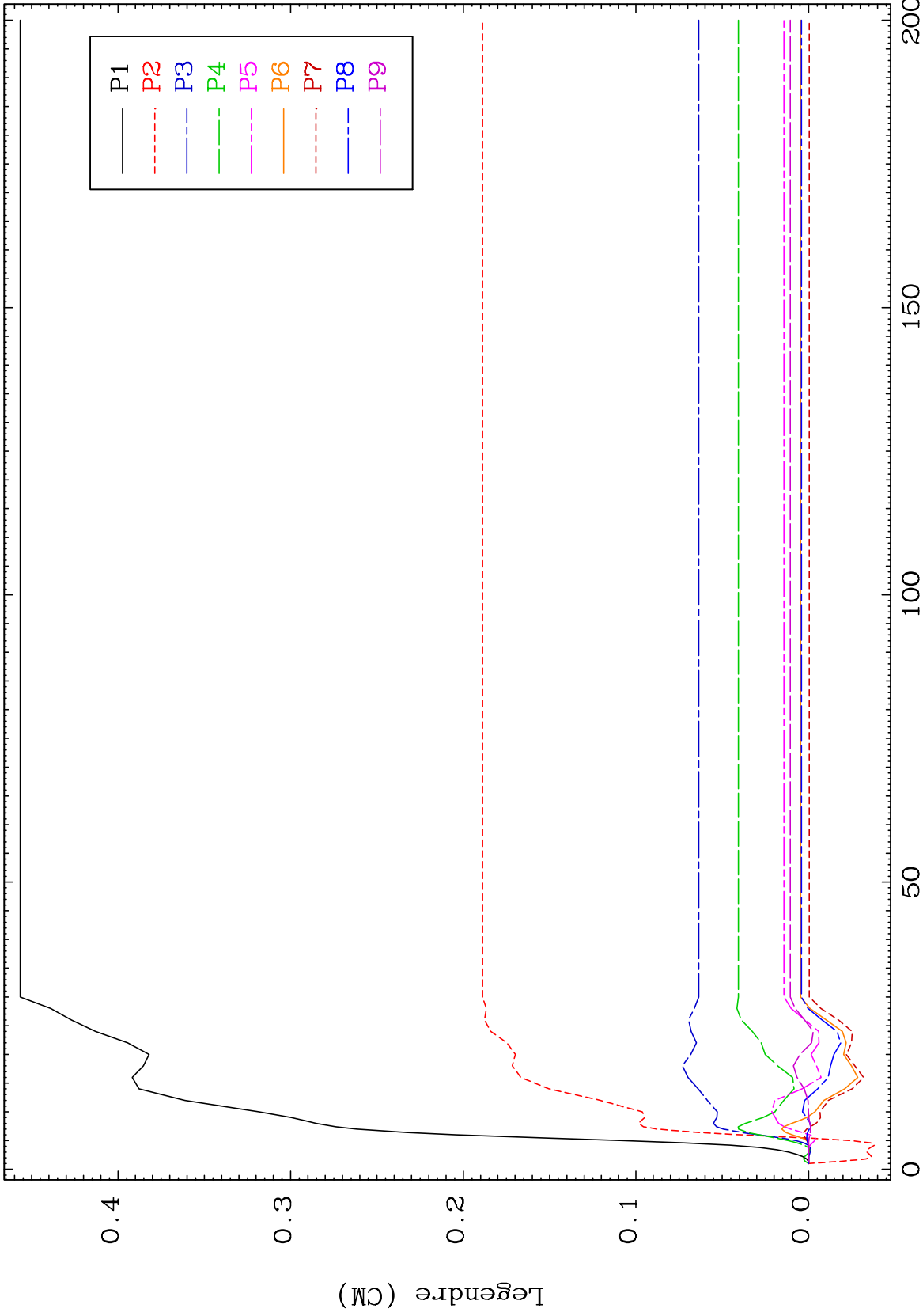
Incident Energy (MeV)

22

MAT 5464

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

54-Xe-137



23

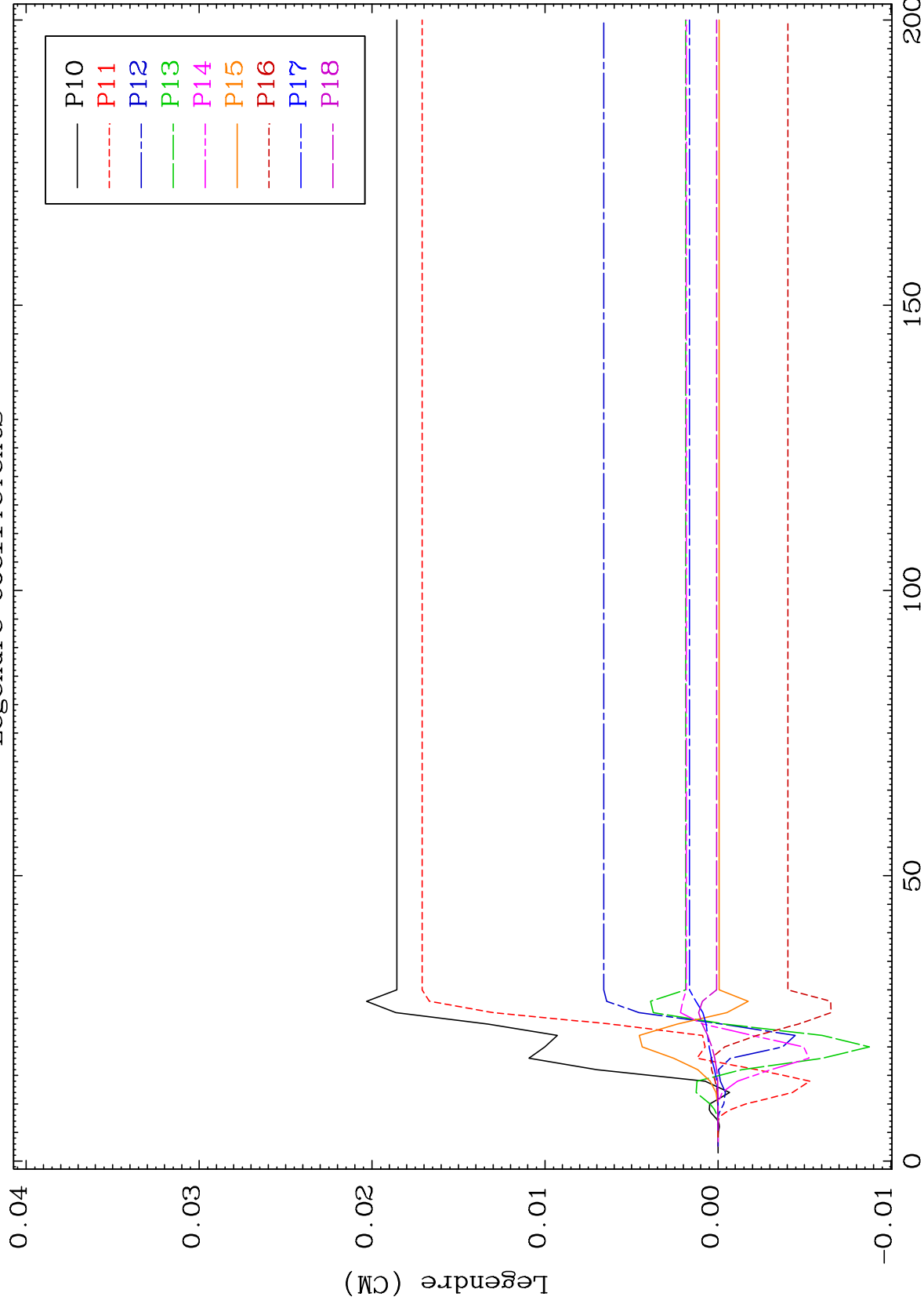
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



24

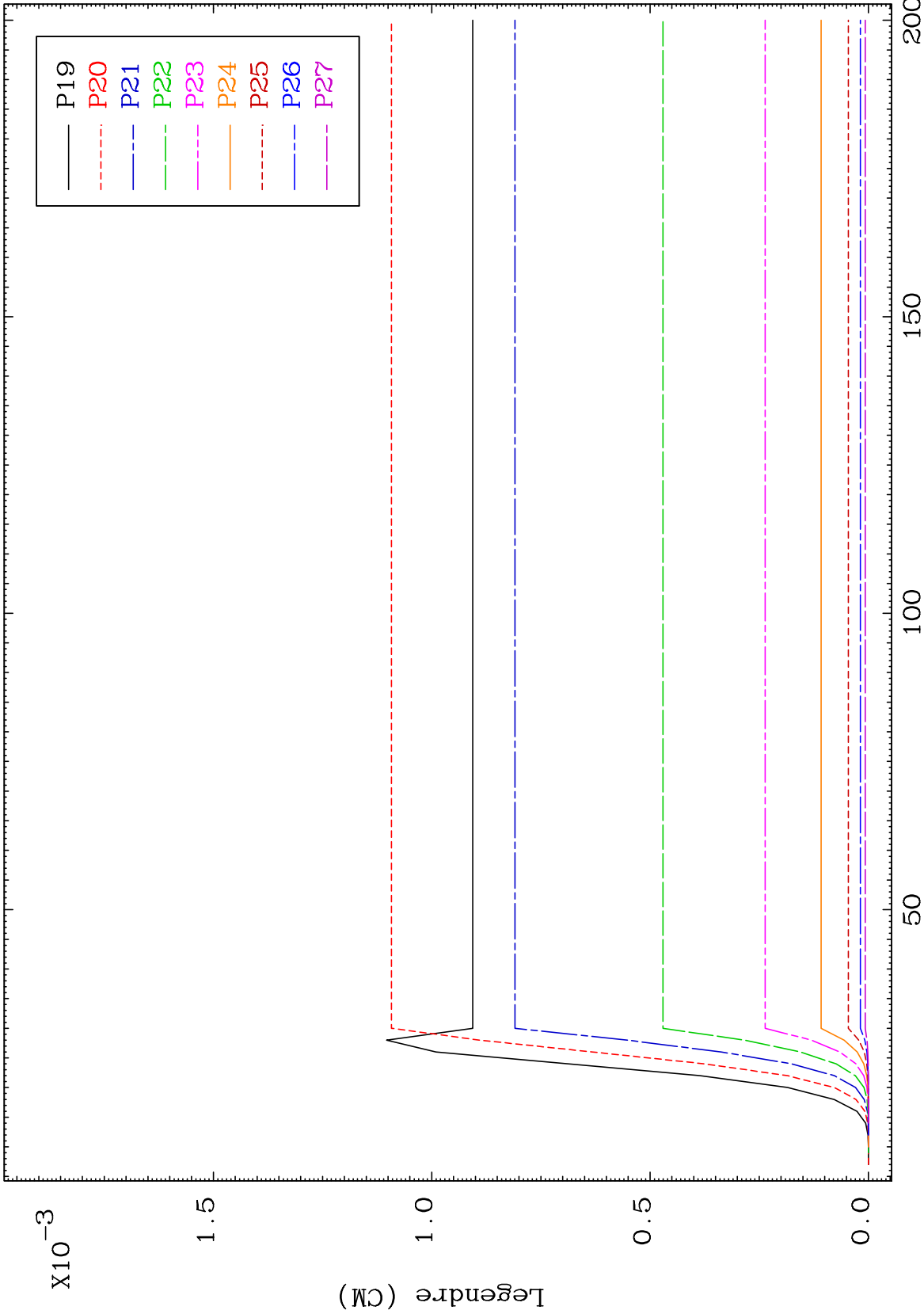
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



25

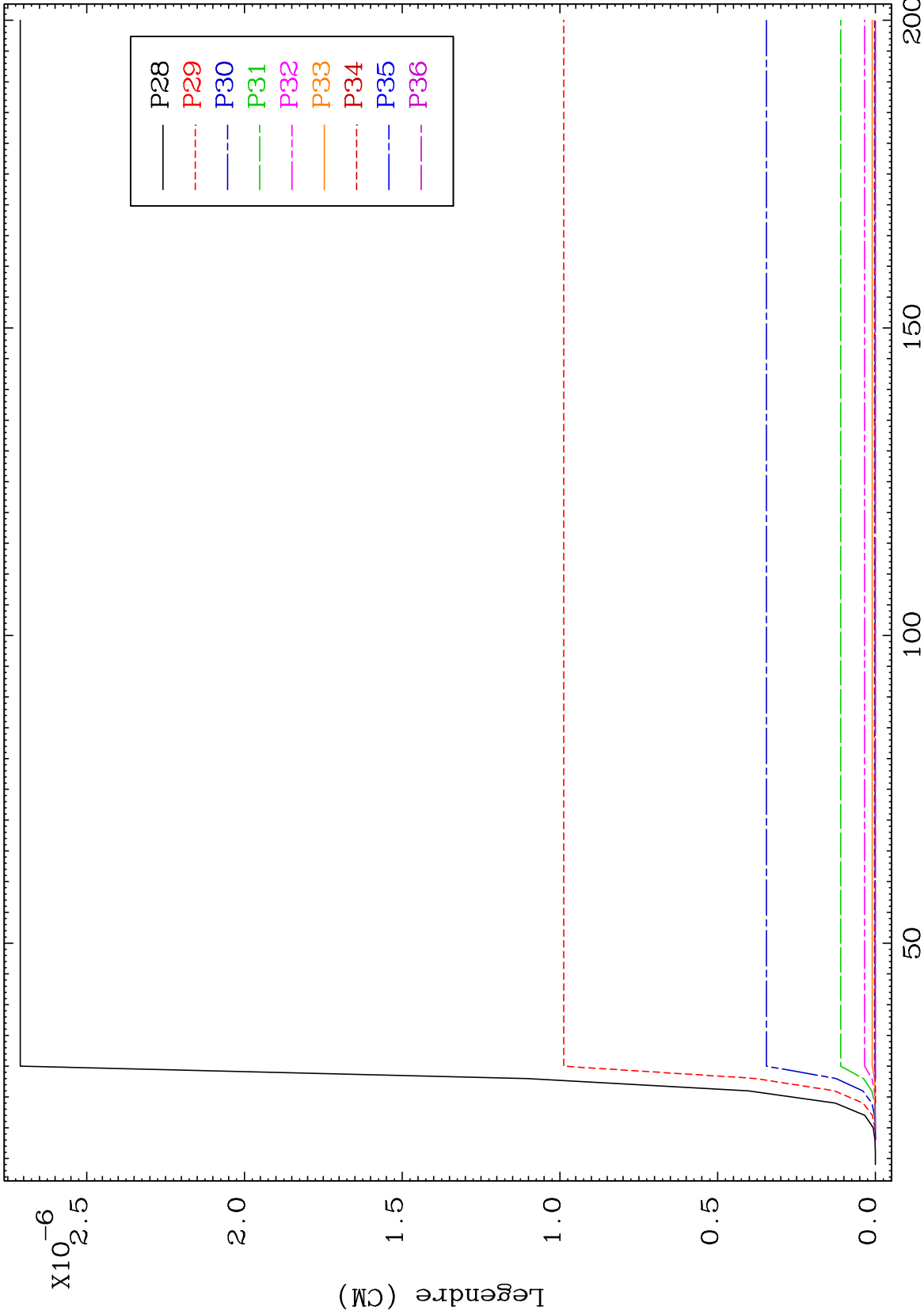
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



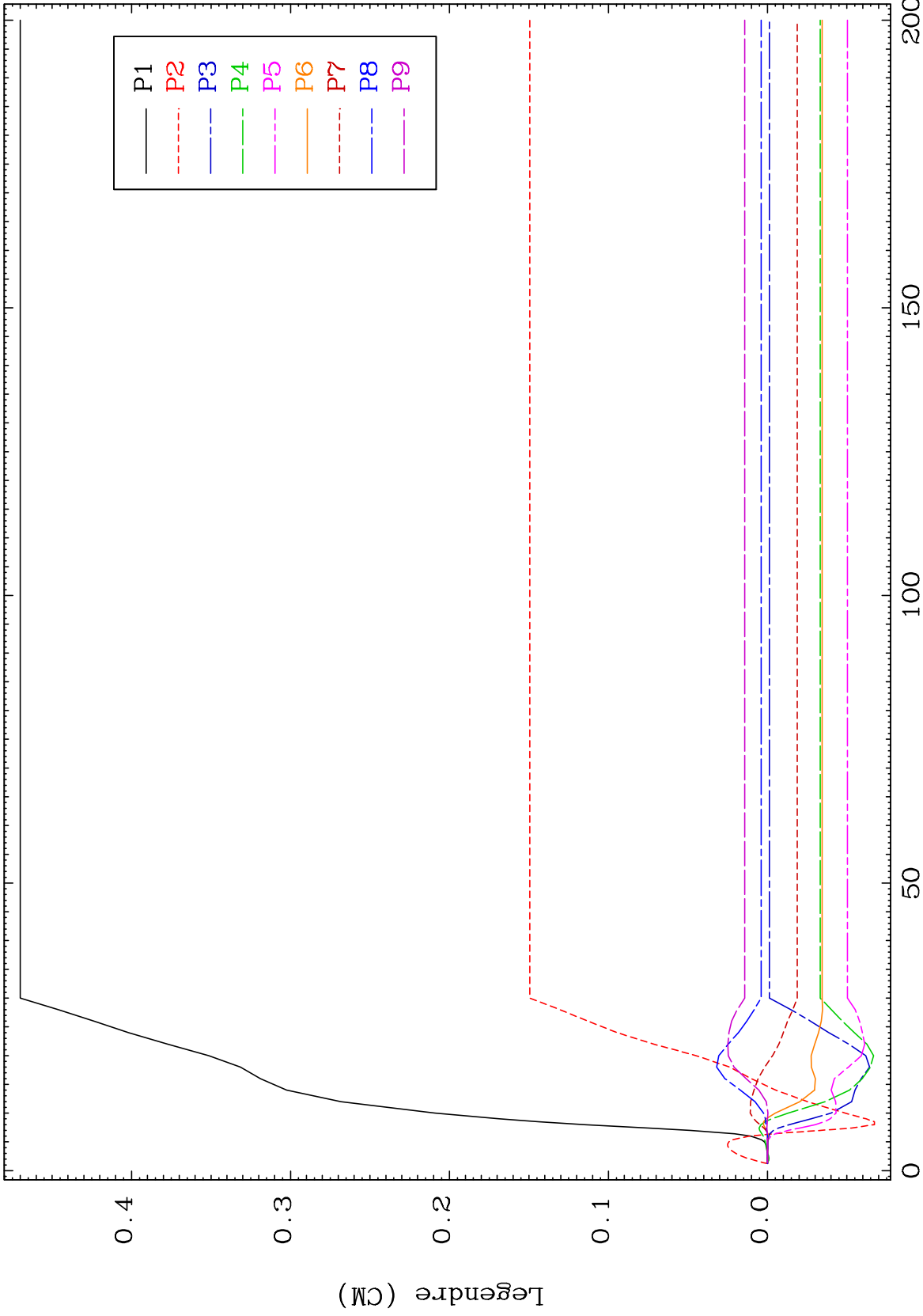
26

54-Xe-137

MAT 5464

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

54-Xe-137



27

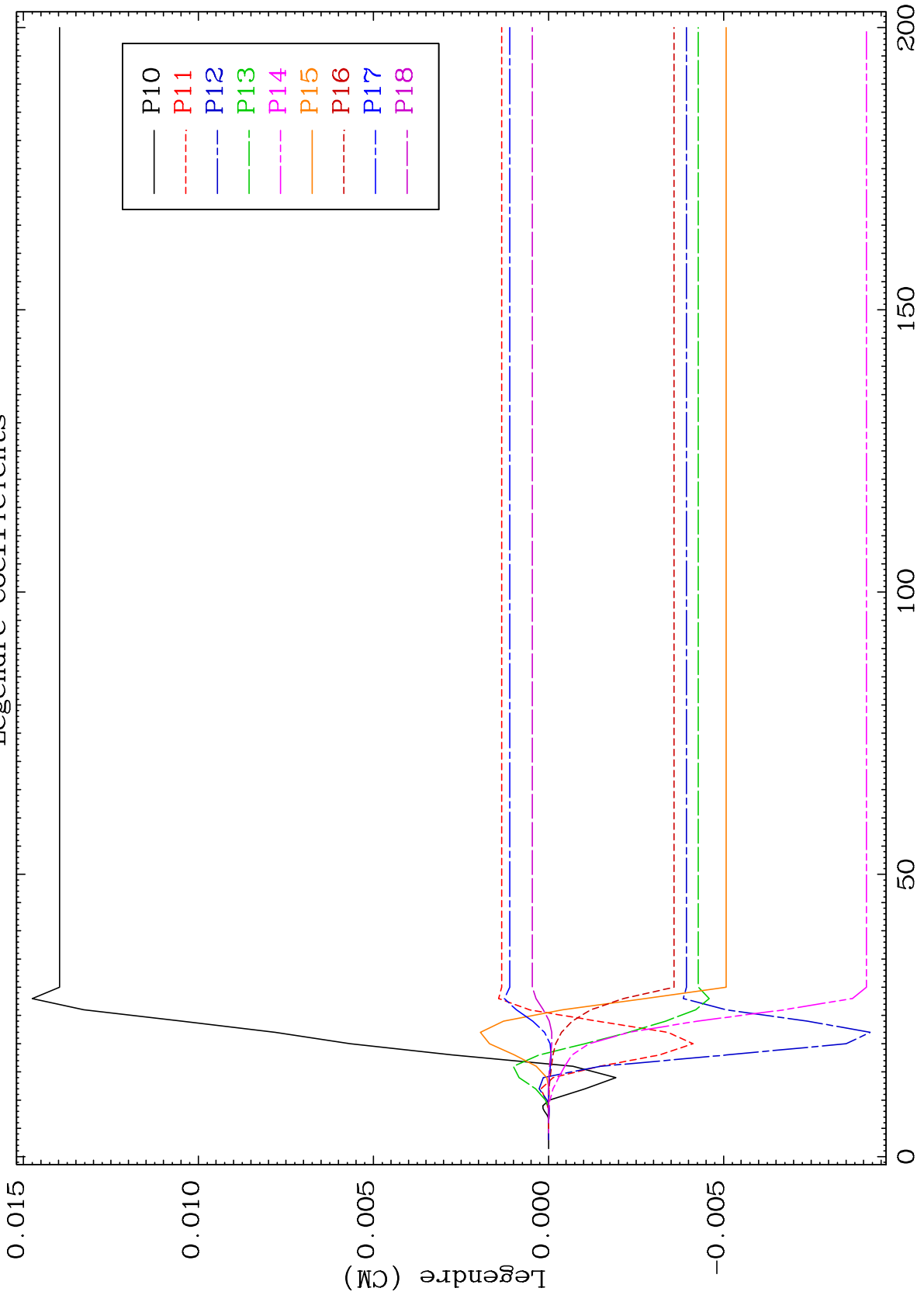
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



28

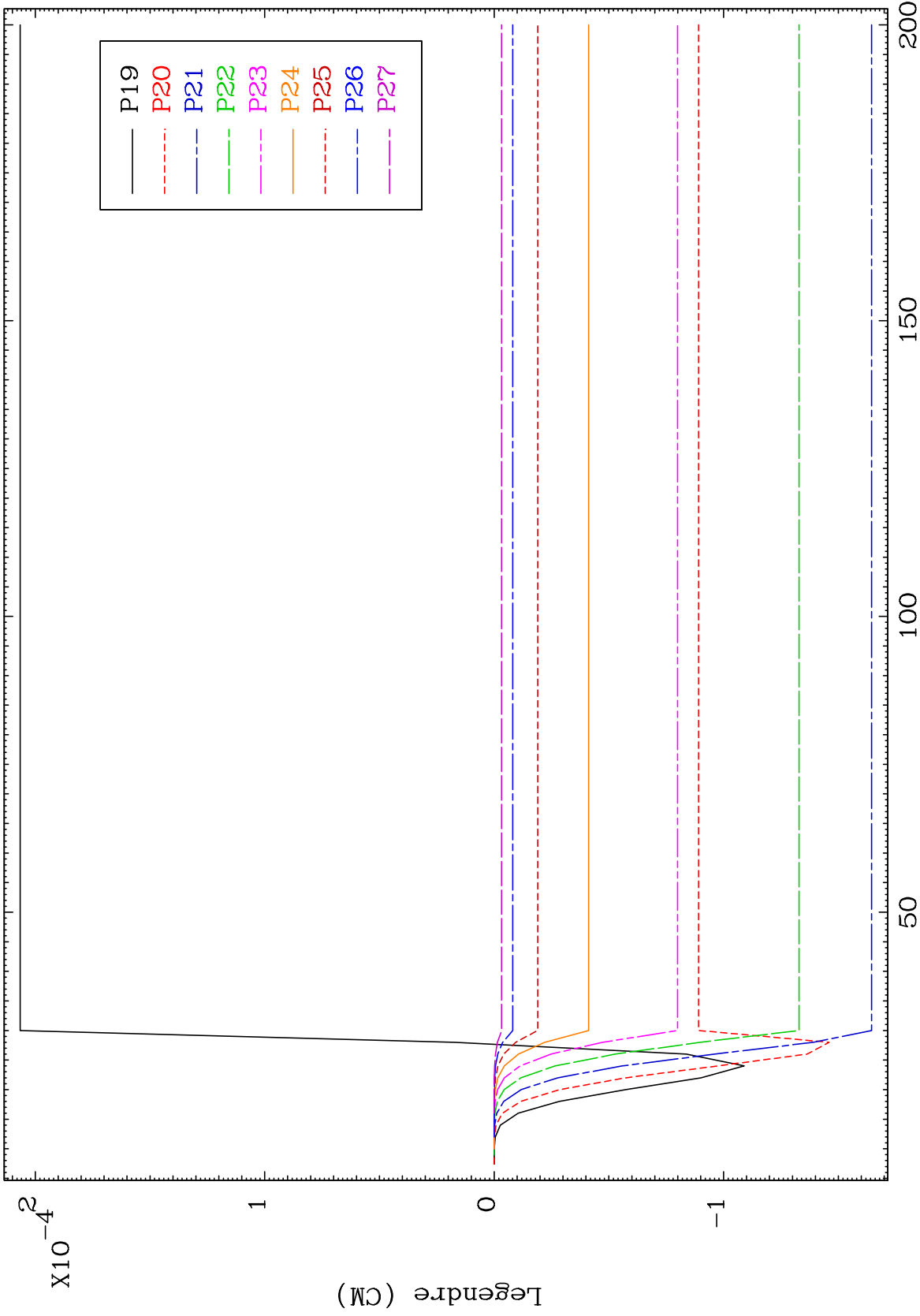
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



29

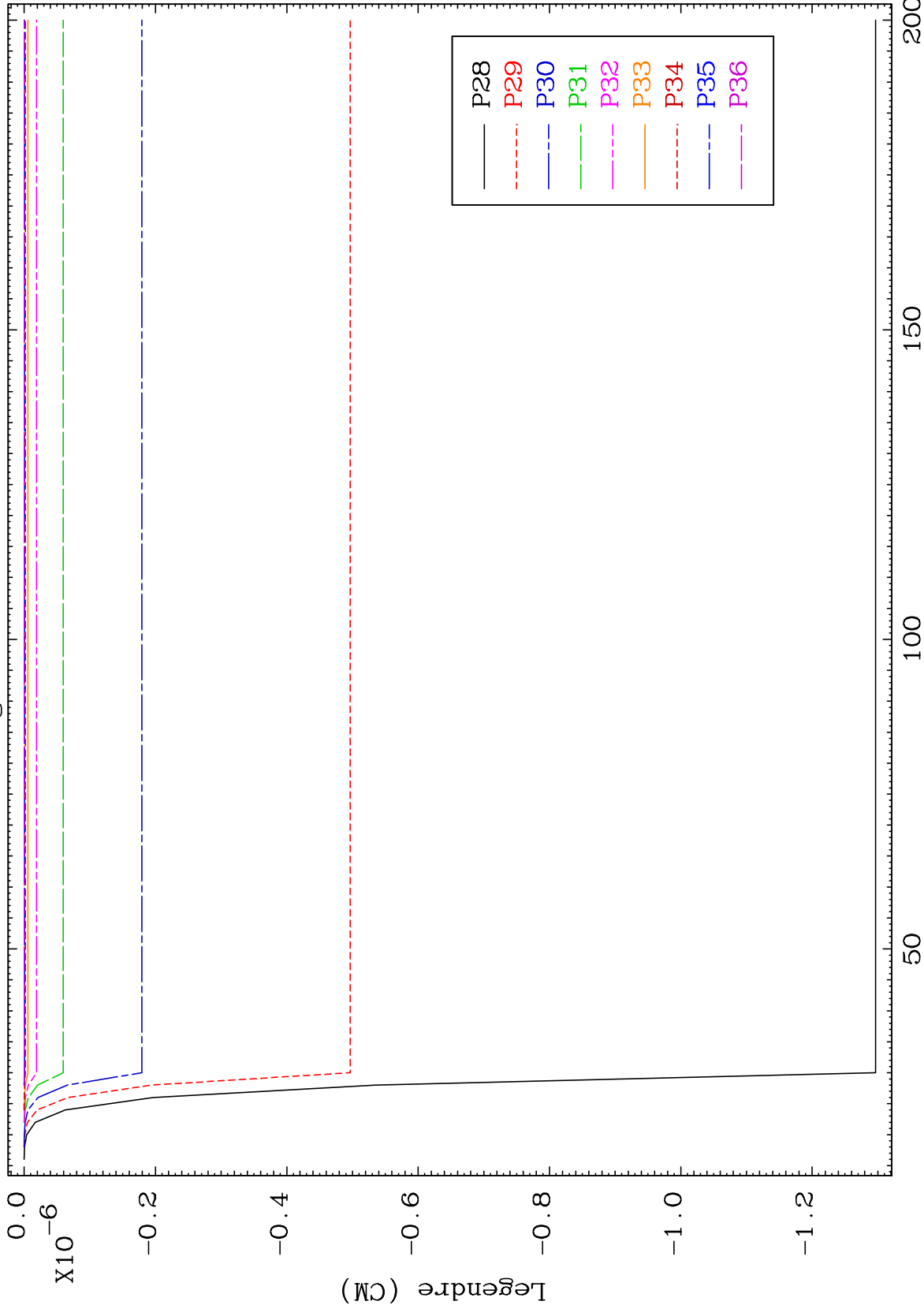
54-Xe-137

MAT 5464

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

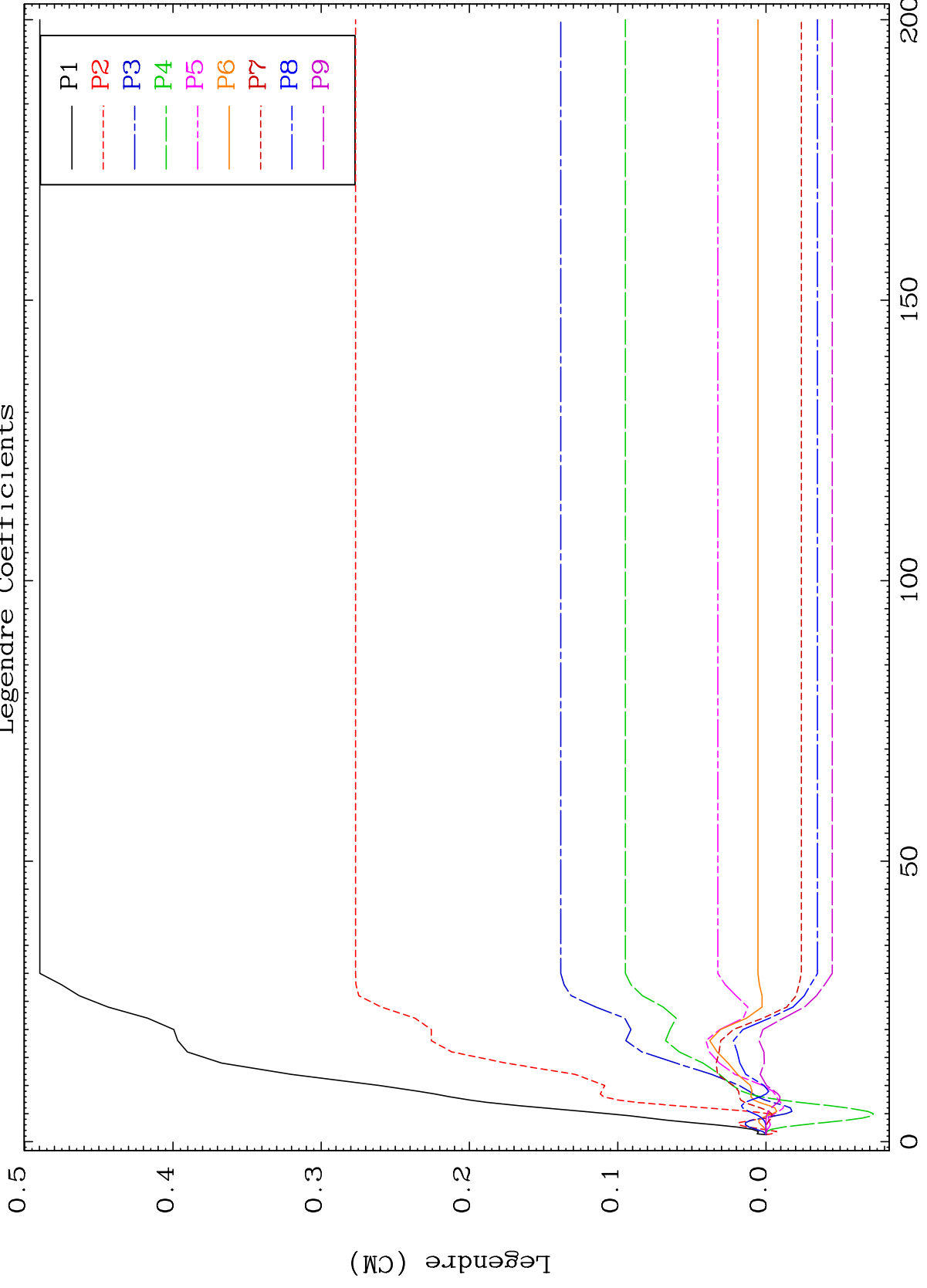
54-Xe-137

Incident Energy (MeV)



30

MAT 5464 MT= 54 (n,n') Level Legendre Coefficients 54-Xe-137

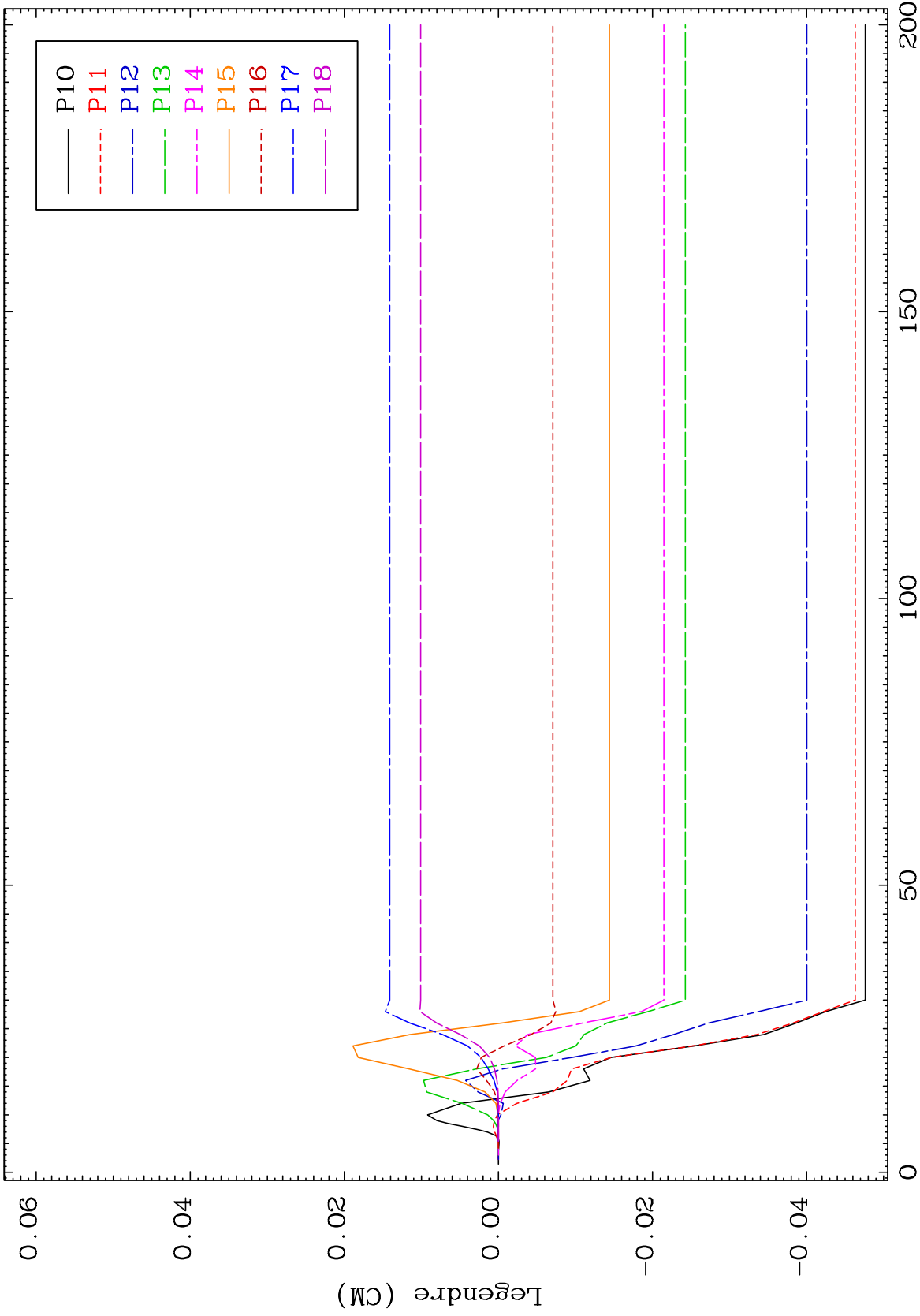


31 54-Xe-137

MAT 5464

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

54-Xe-137



32

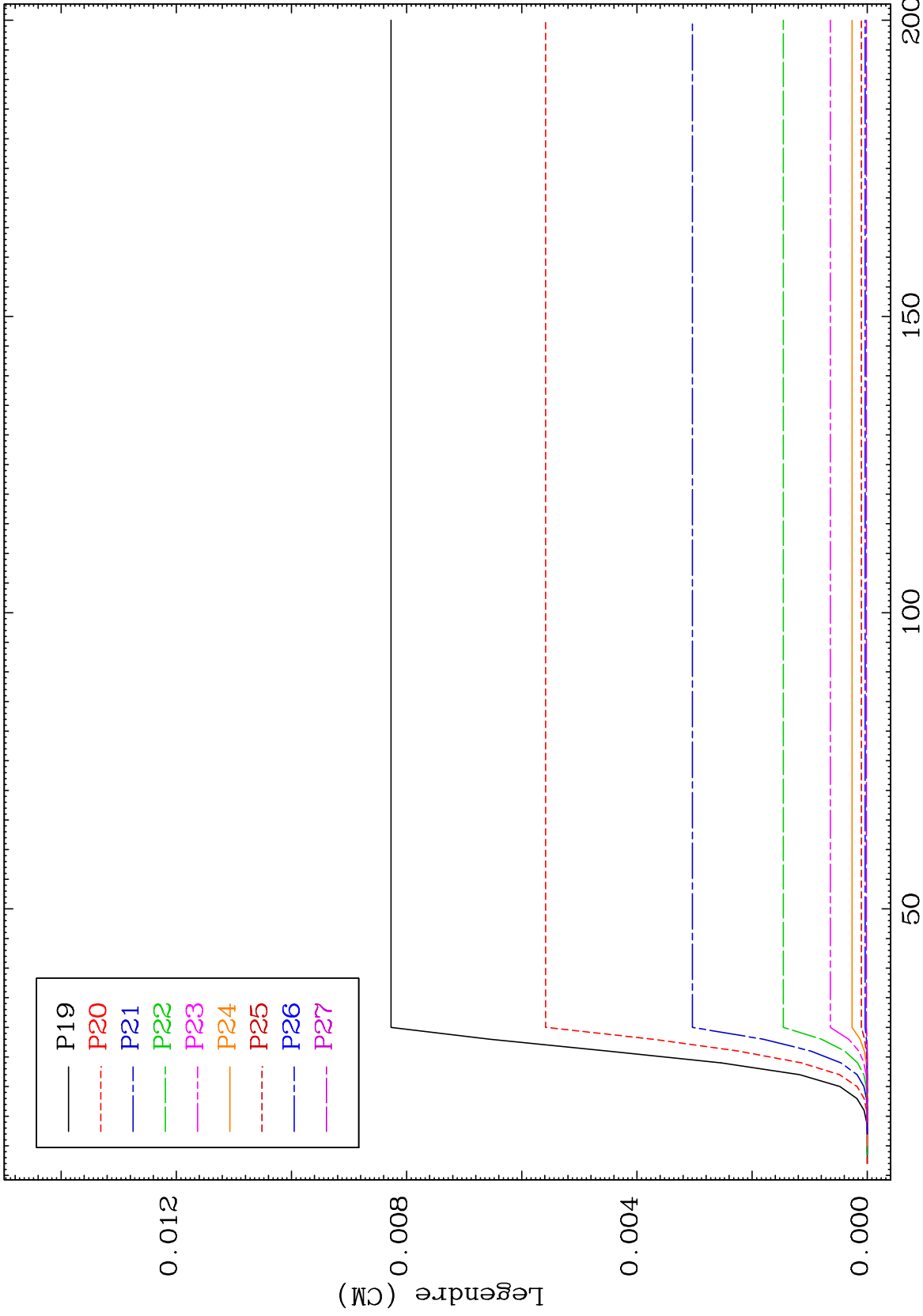
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

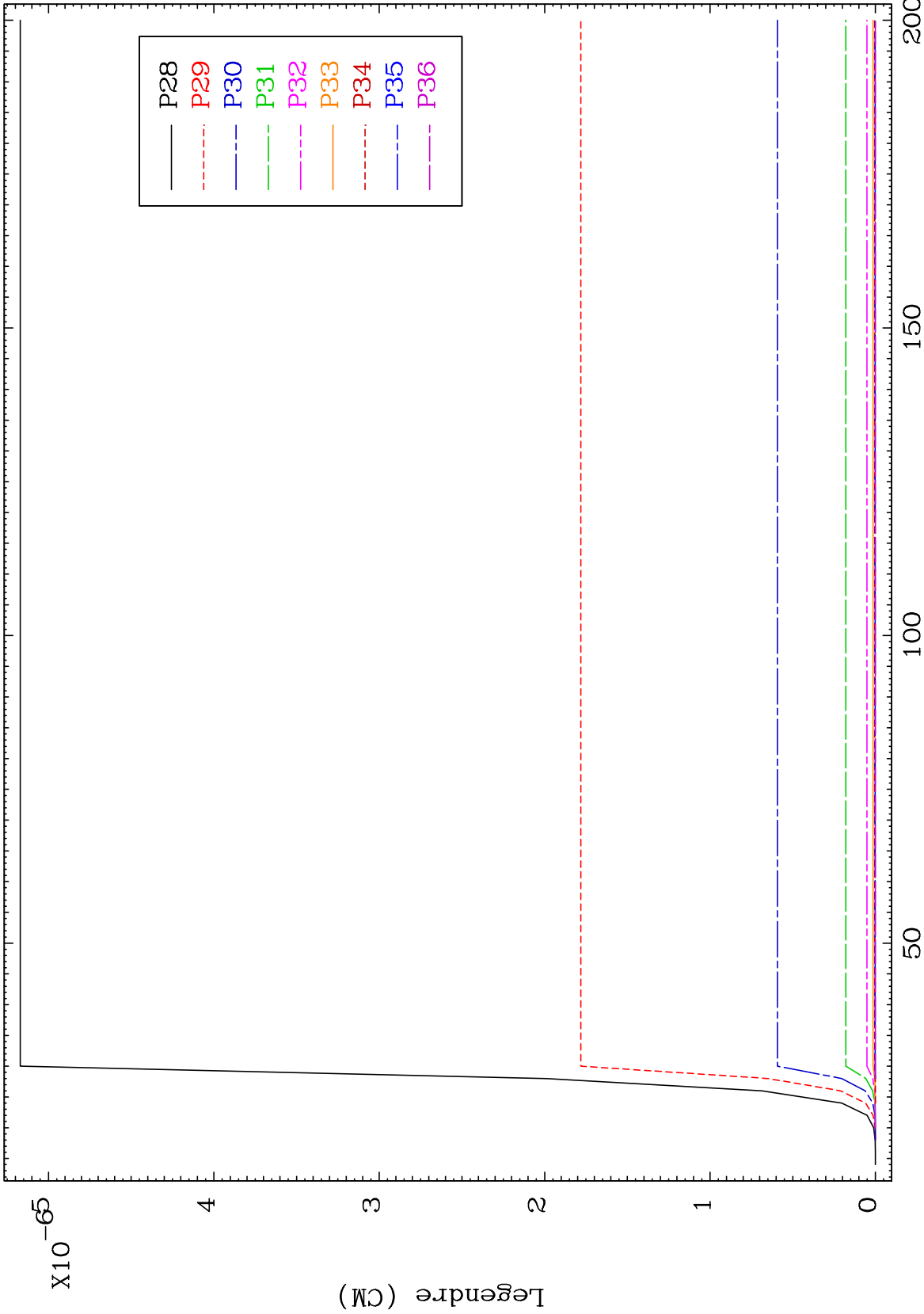
54-Xe-137



MAT 5464

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

54-Xe-137

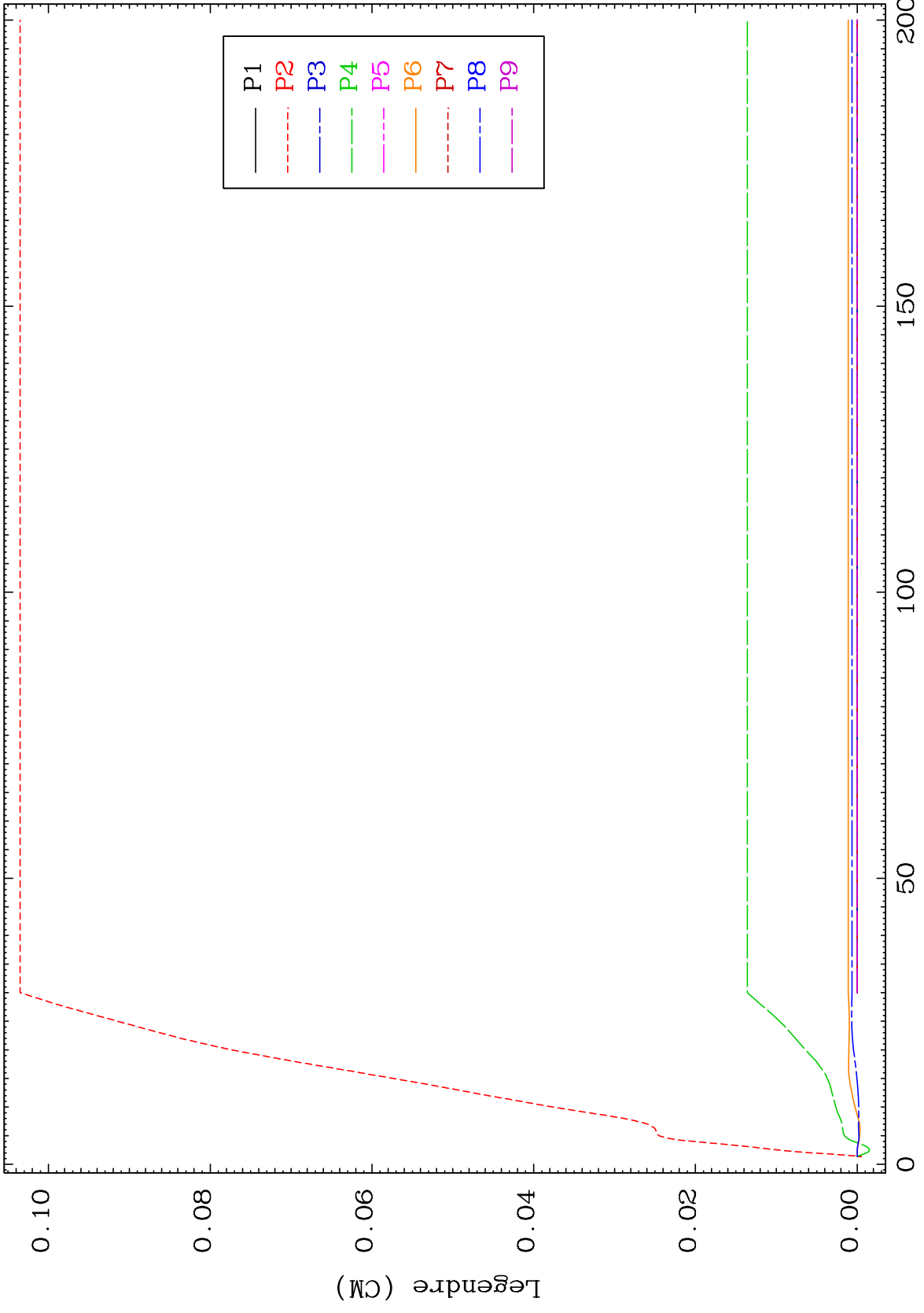


34

Incident Energy (MeV)

54-Xe-137

MAT 5464 MT= 55 (n,n') Level Legendre Coefficients 54-Xe-137

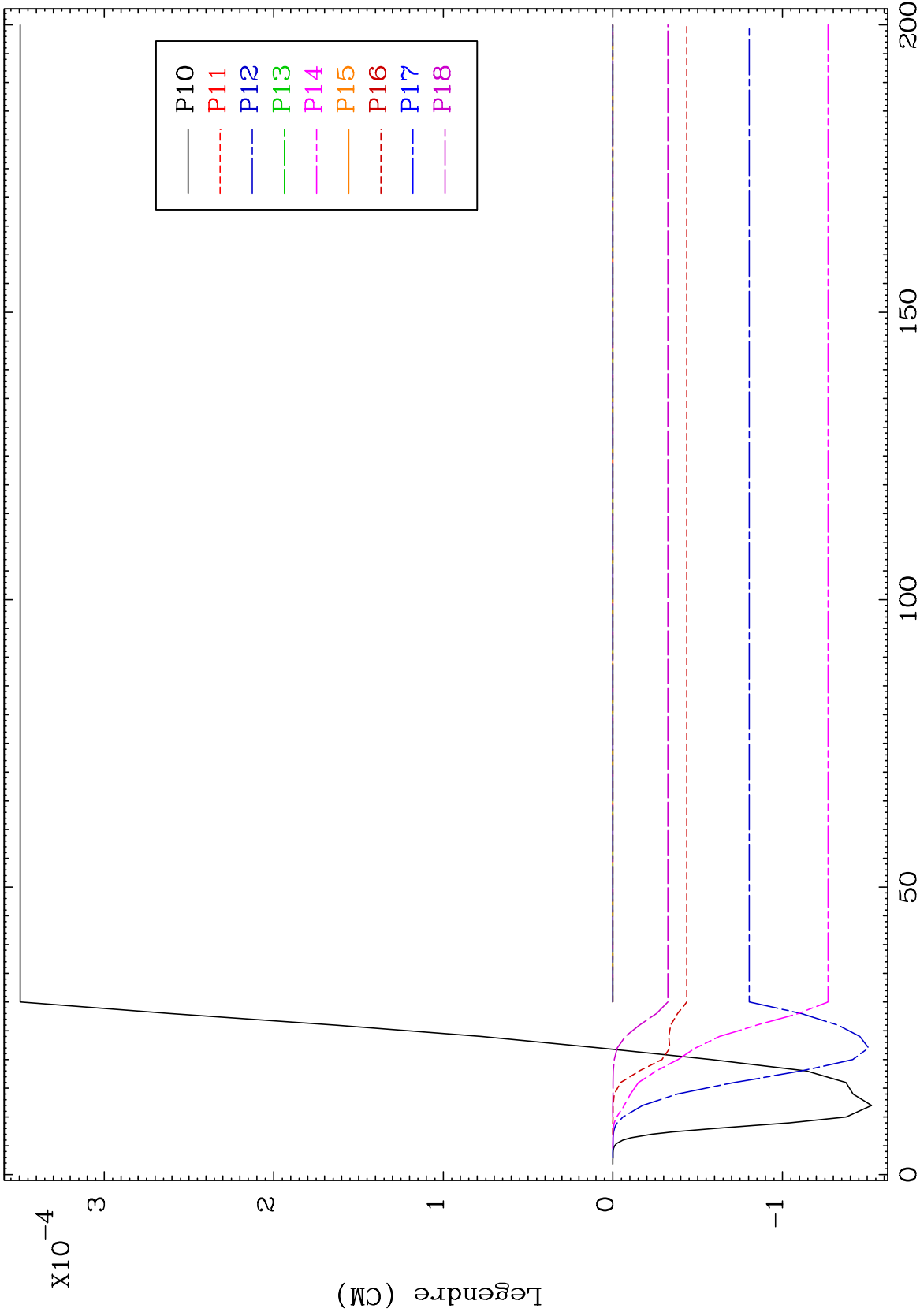


54-Xe-137

MAT 5464

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

54-Xe-137



36

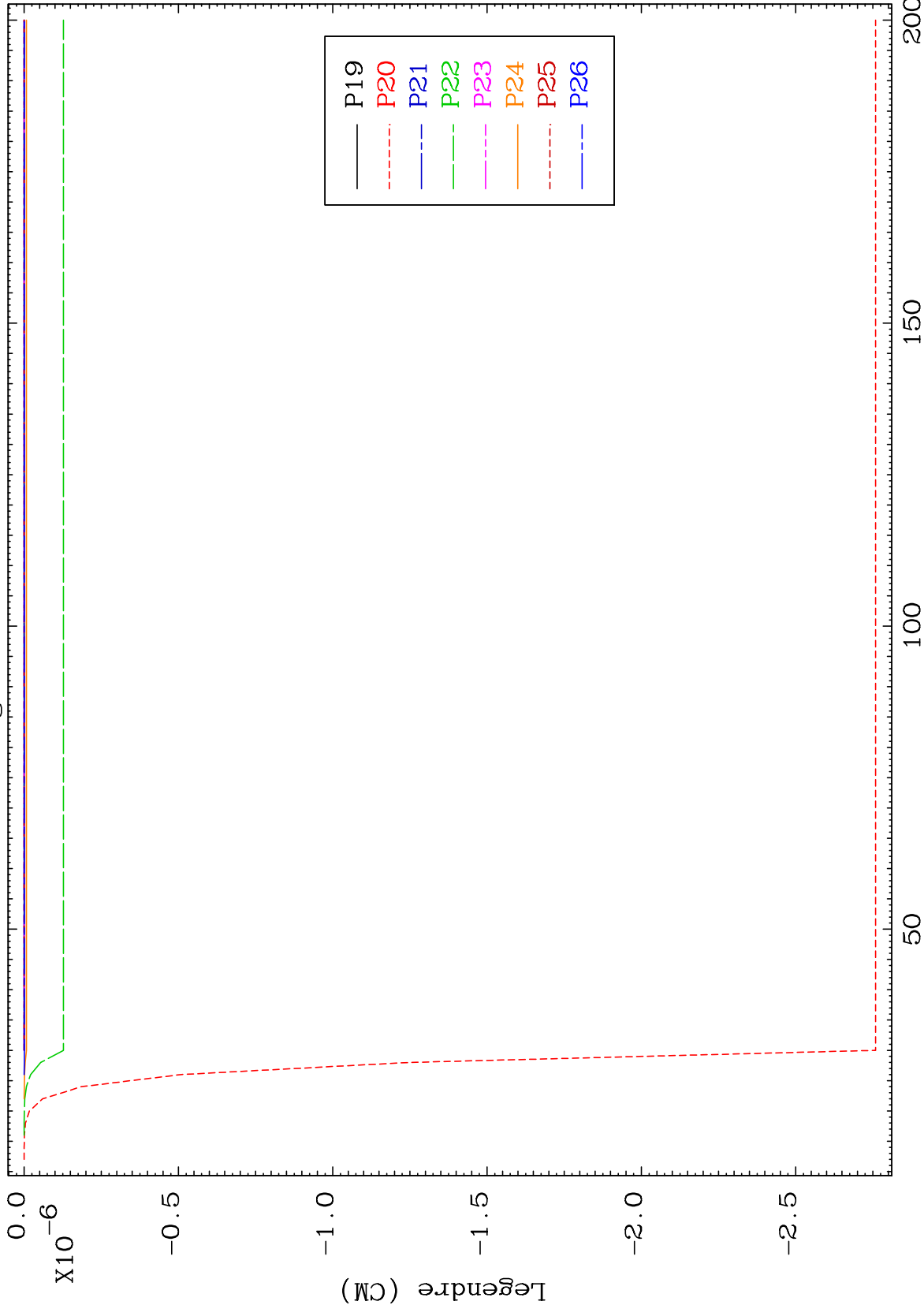
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



54-Xe-137

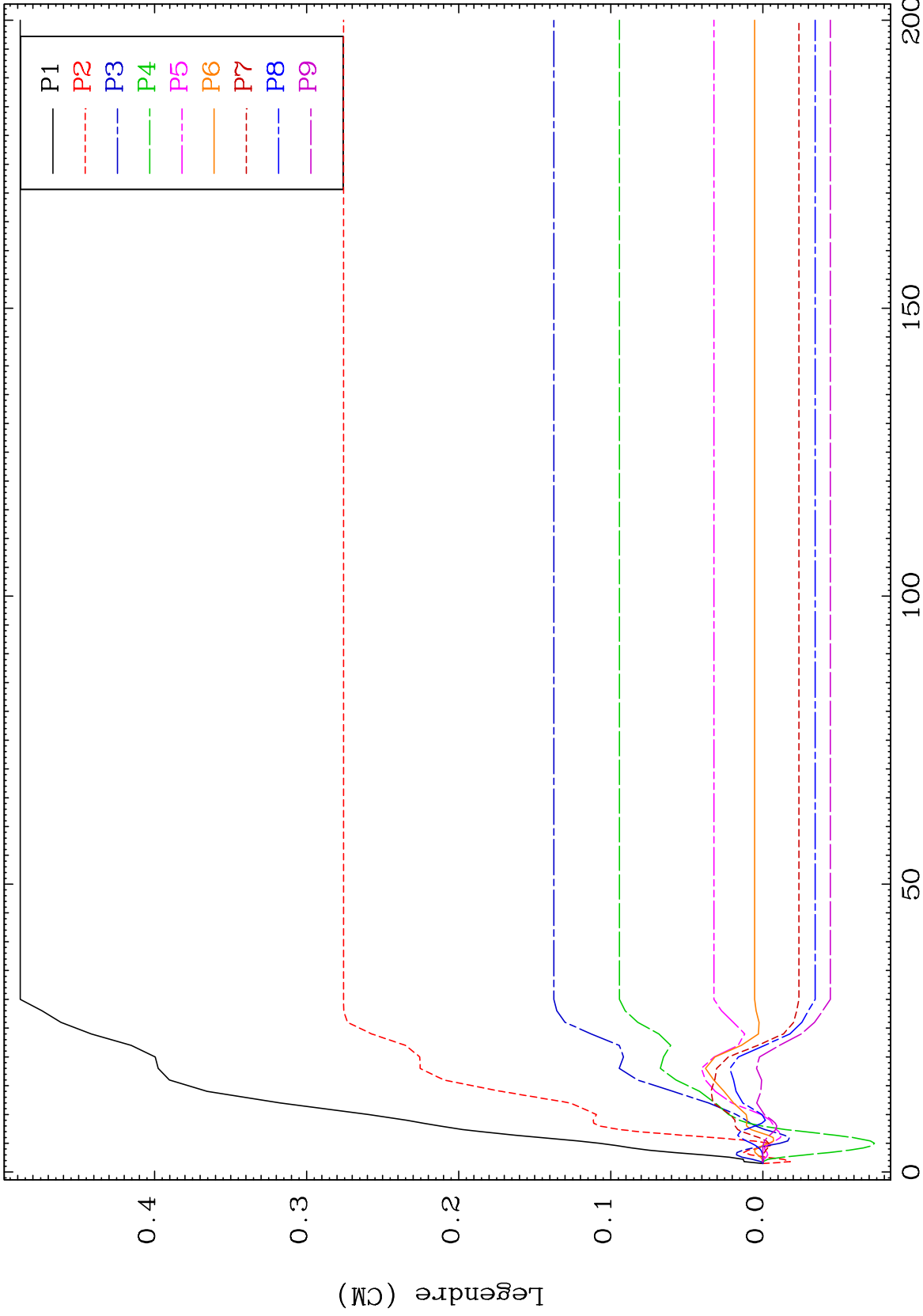
Incident Energy (MeV)

37

MAT 5464

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

54-Xe-137



38

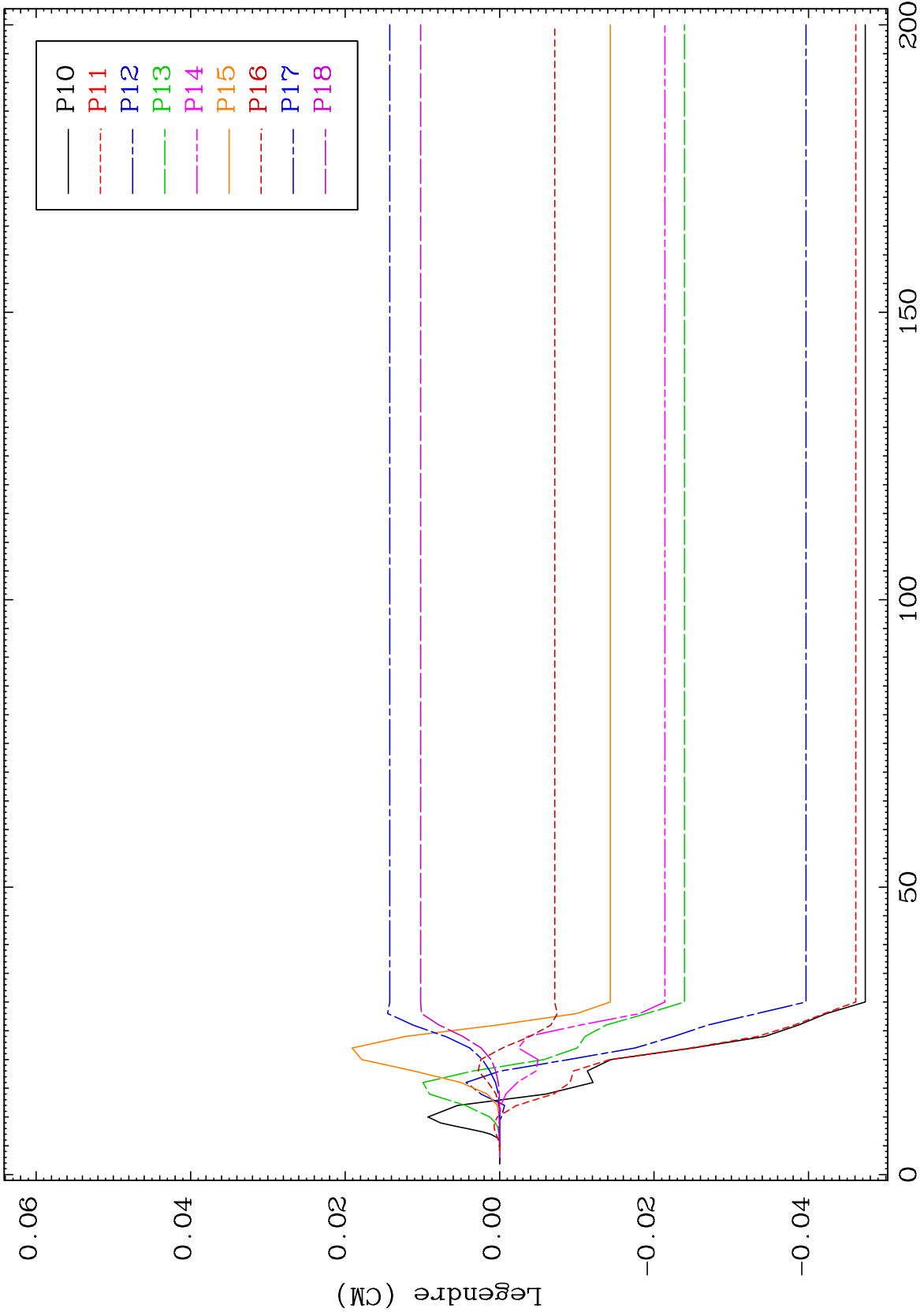
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



39

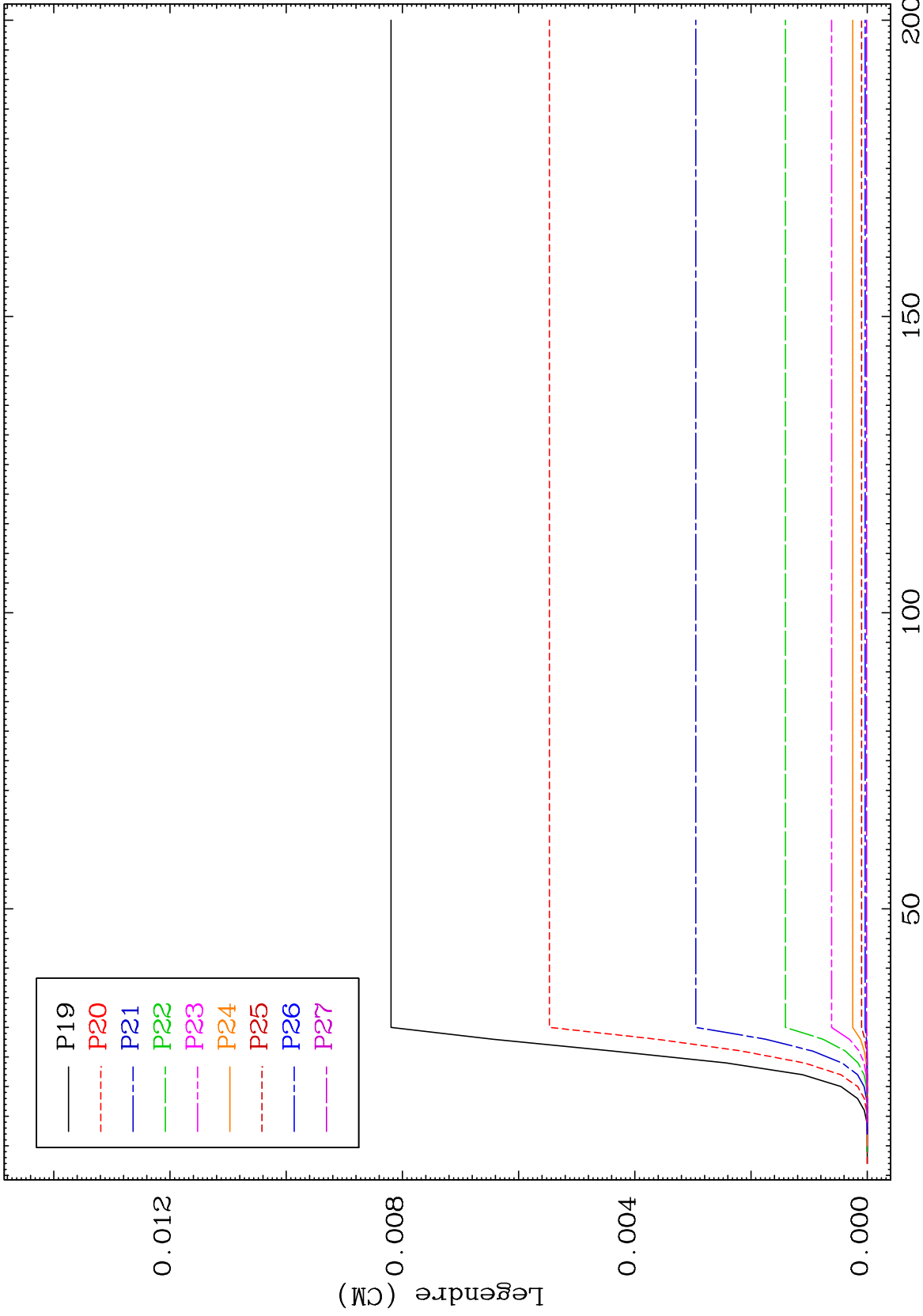
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



40

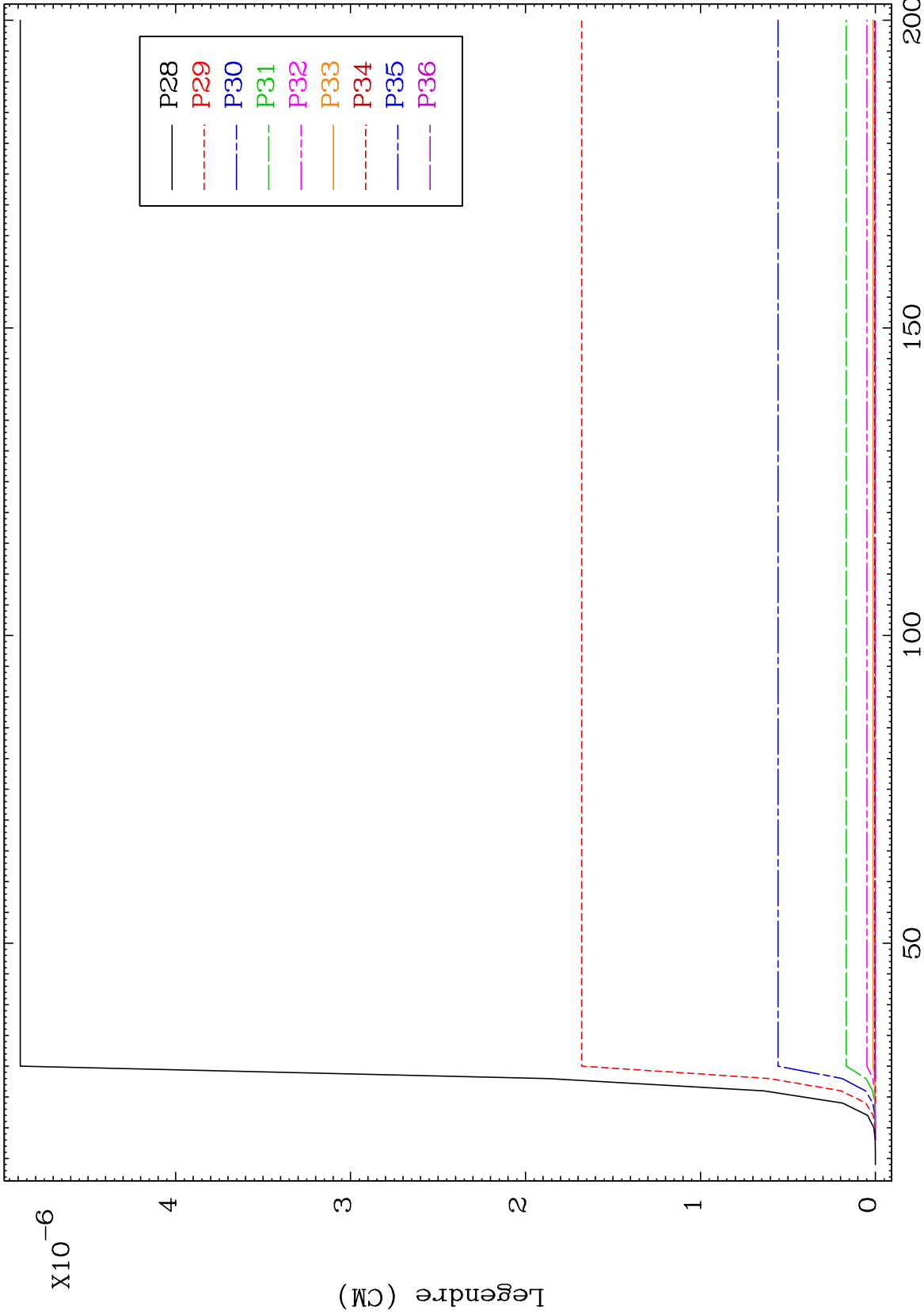
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



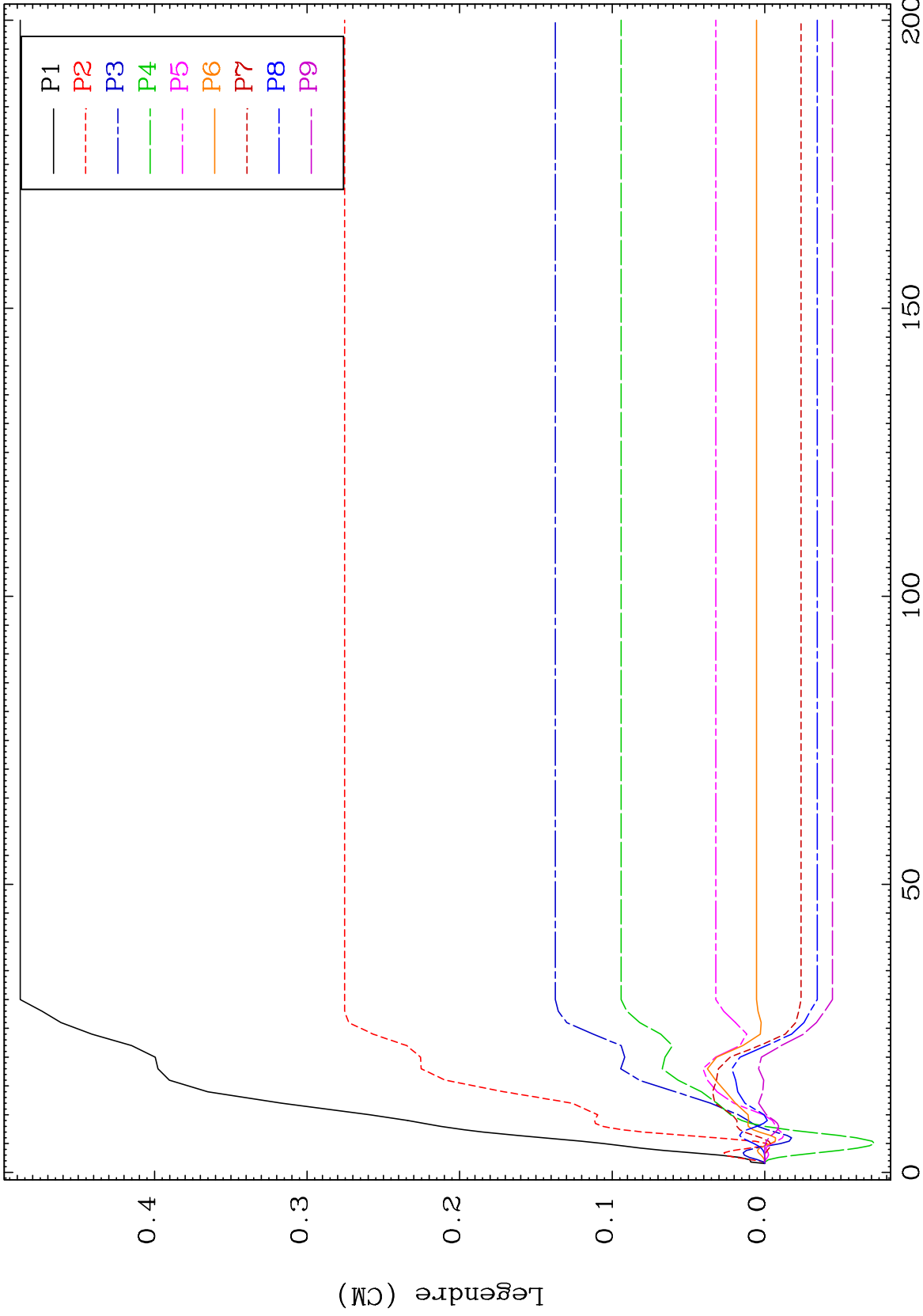
41

54-Xe-137

MAT 5464

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

54-Xe-137



42

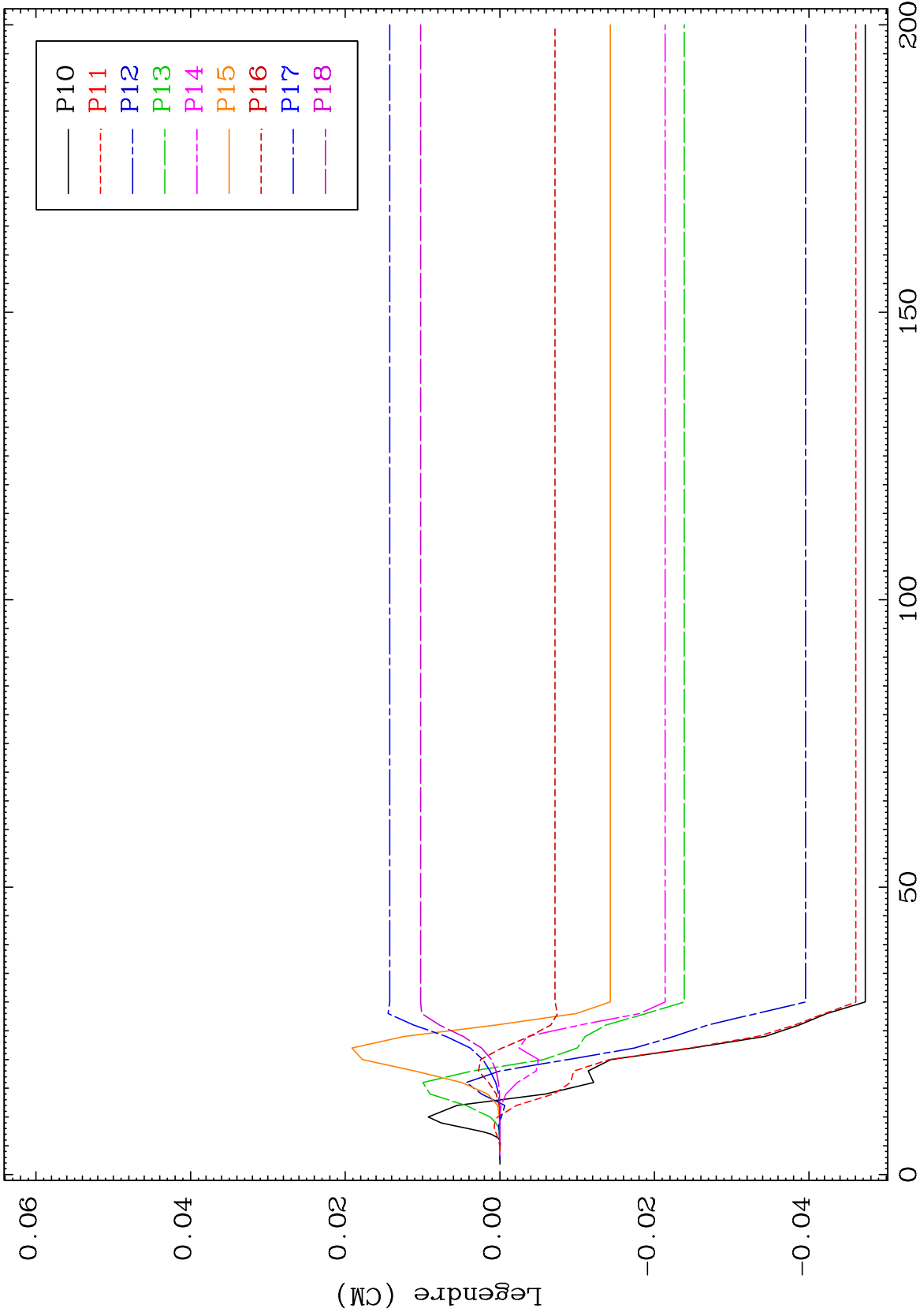
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



43

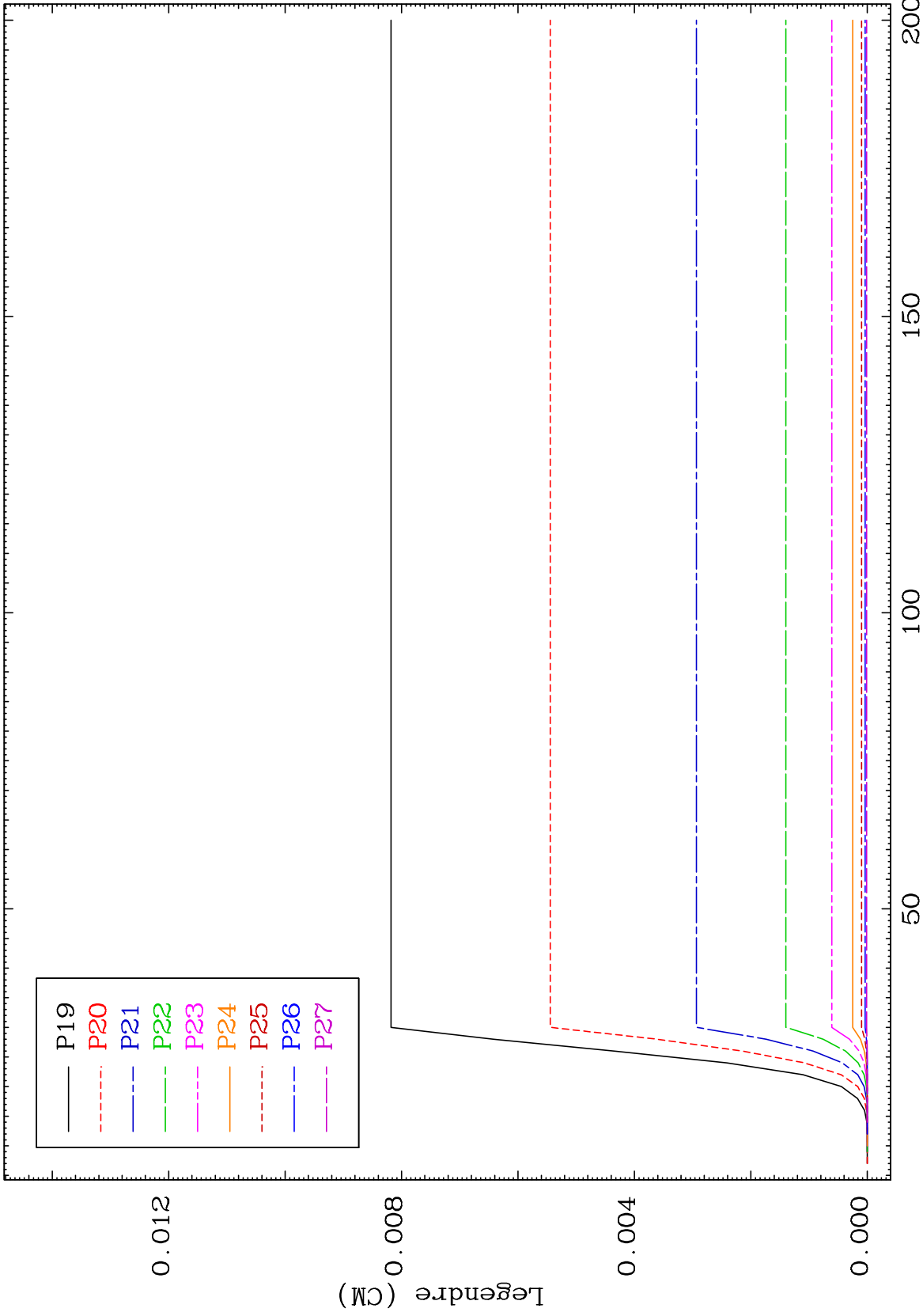
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



44

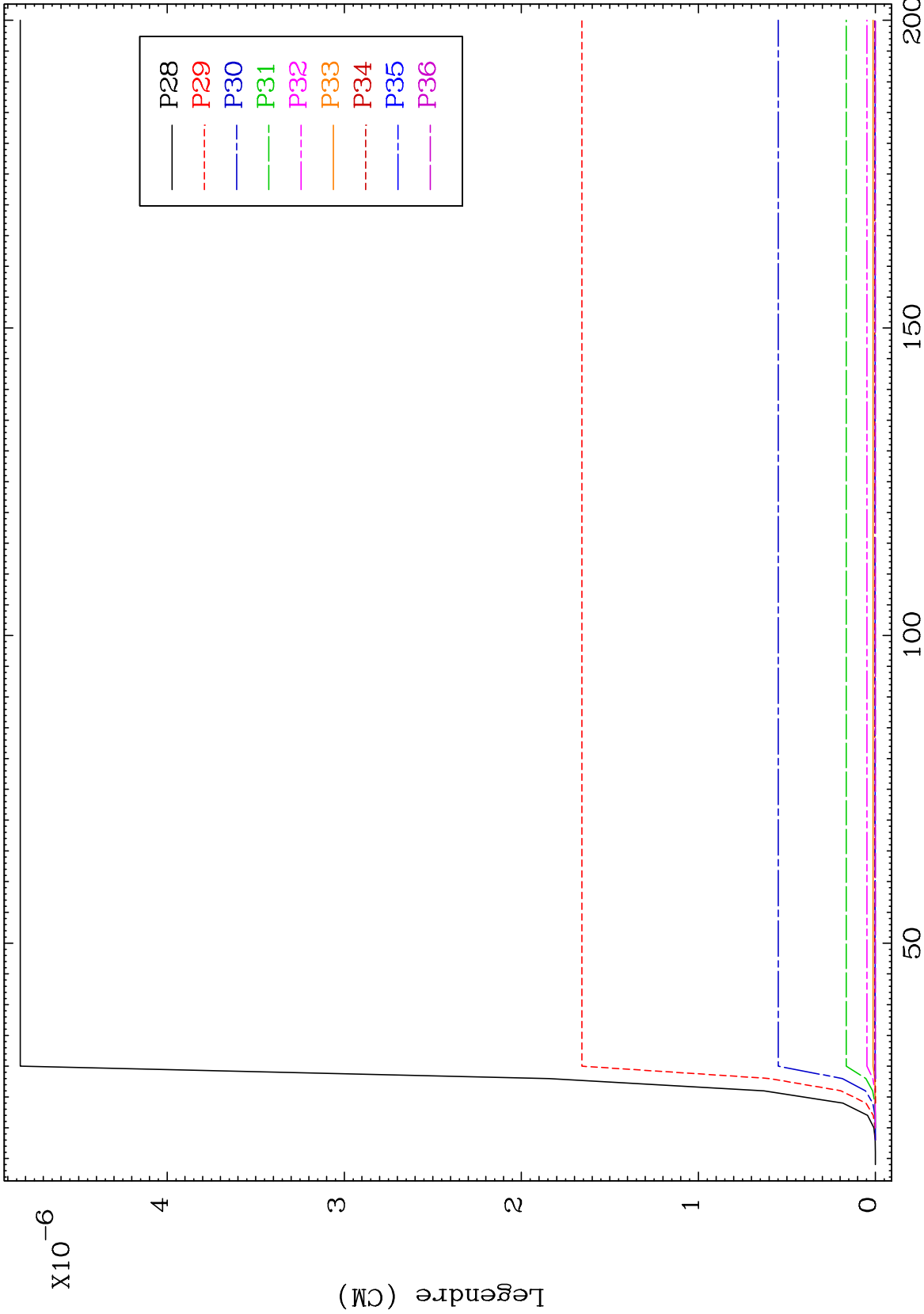
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



45

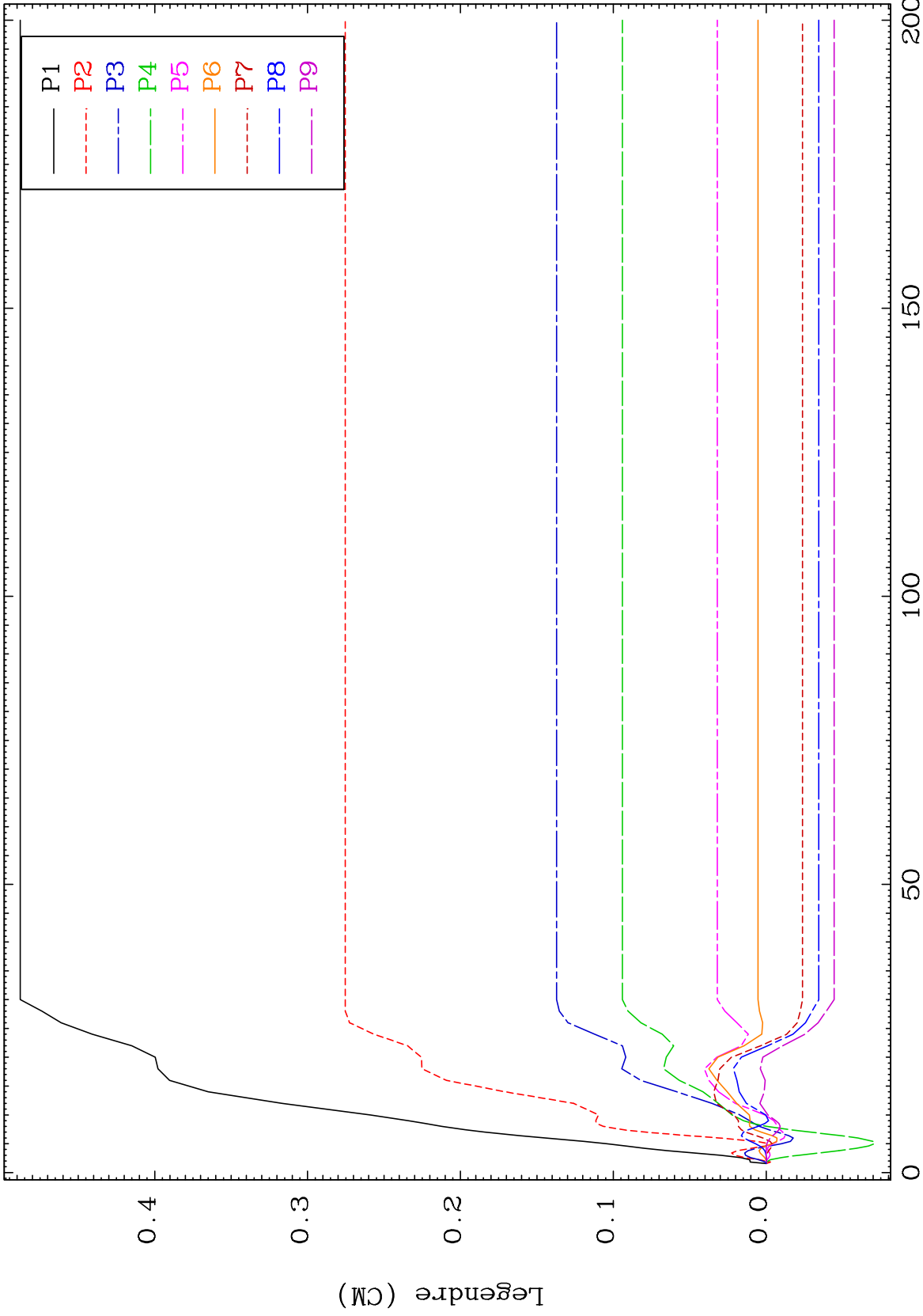
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



46

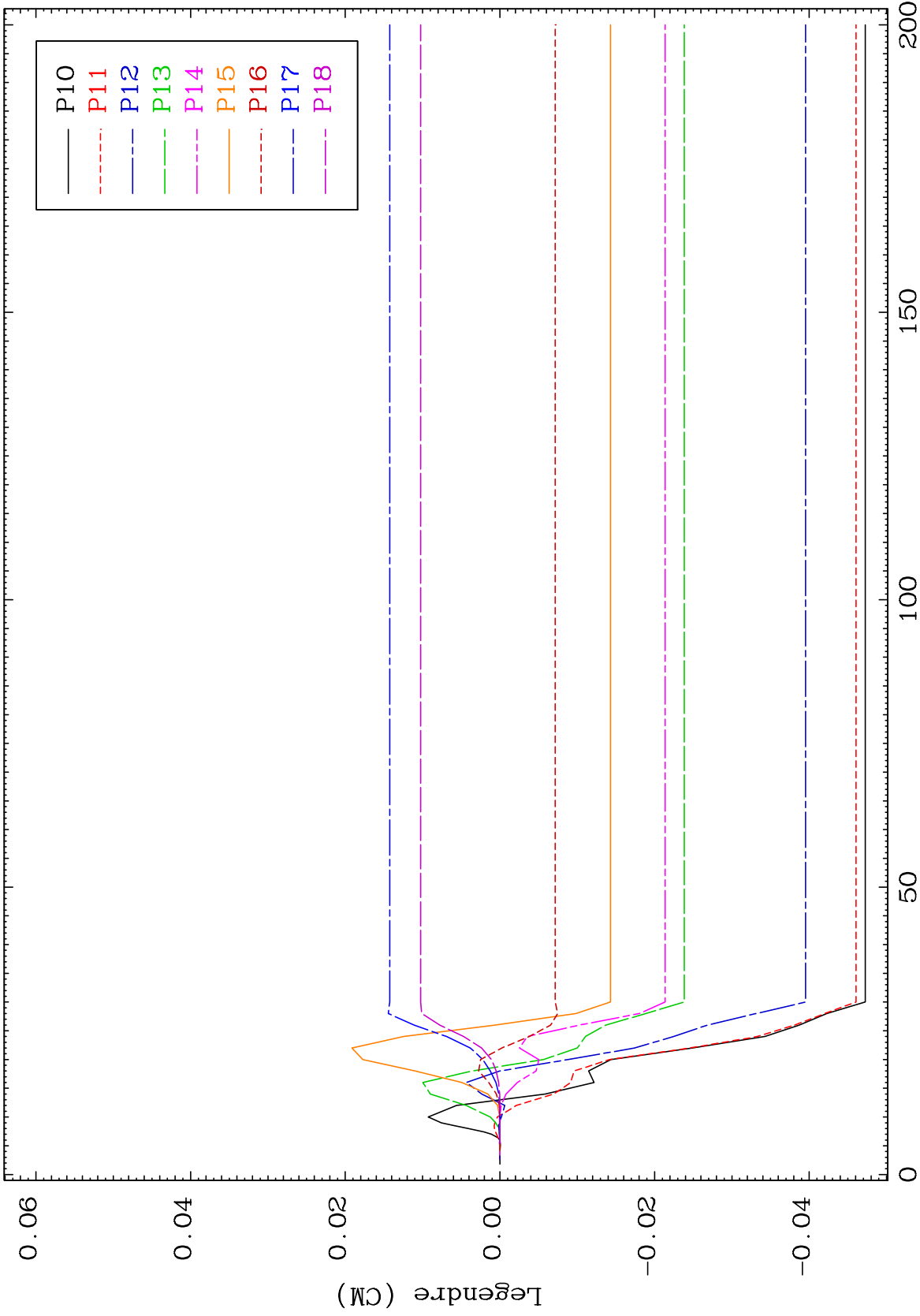
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



47

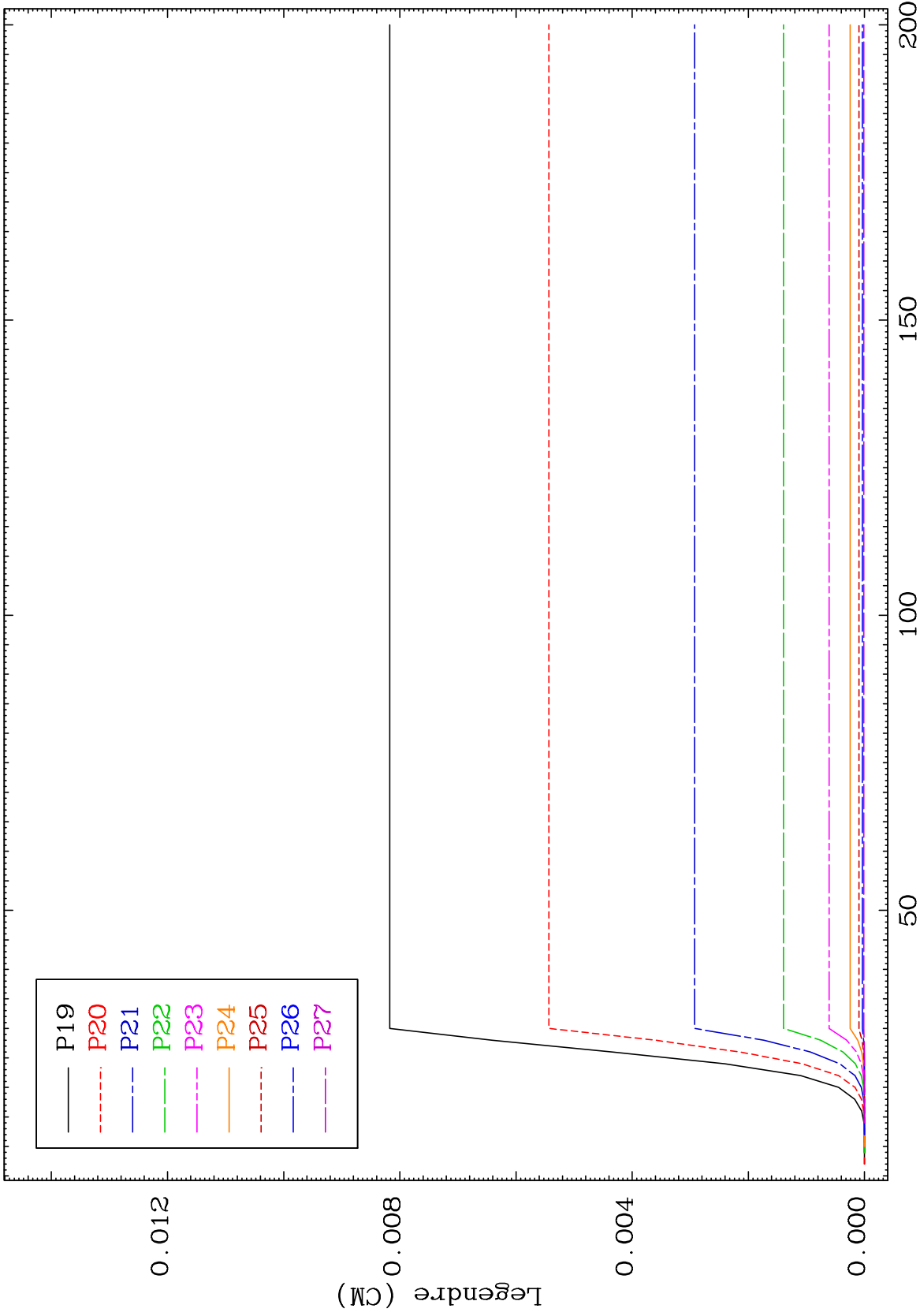
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



48

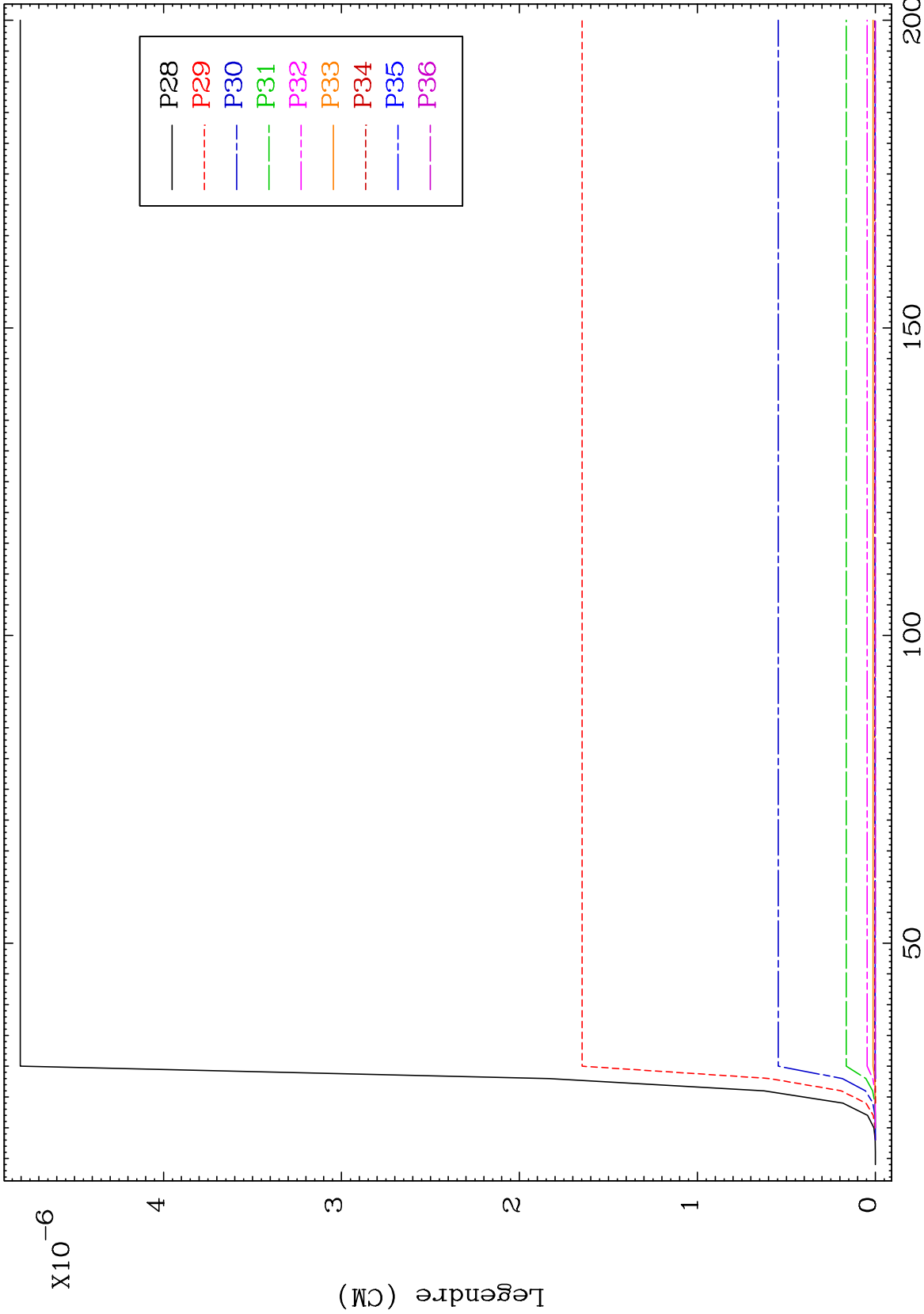
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



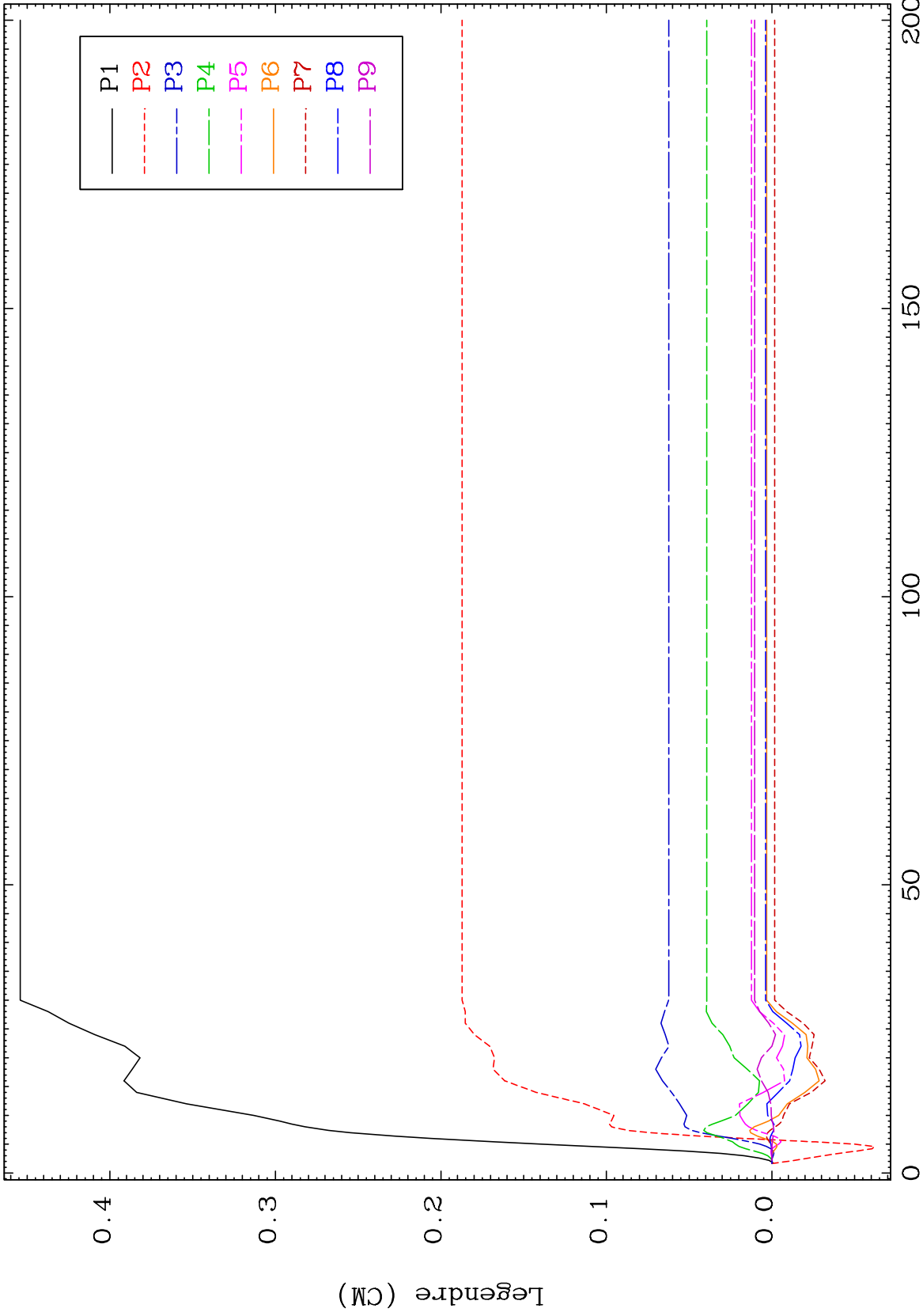
49

54-Xe-137

MAT 5464

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

54-Xe-137



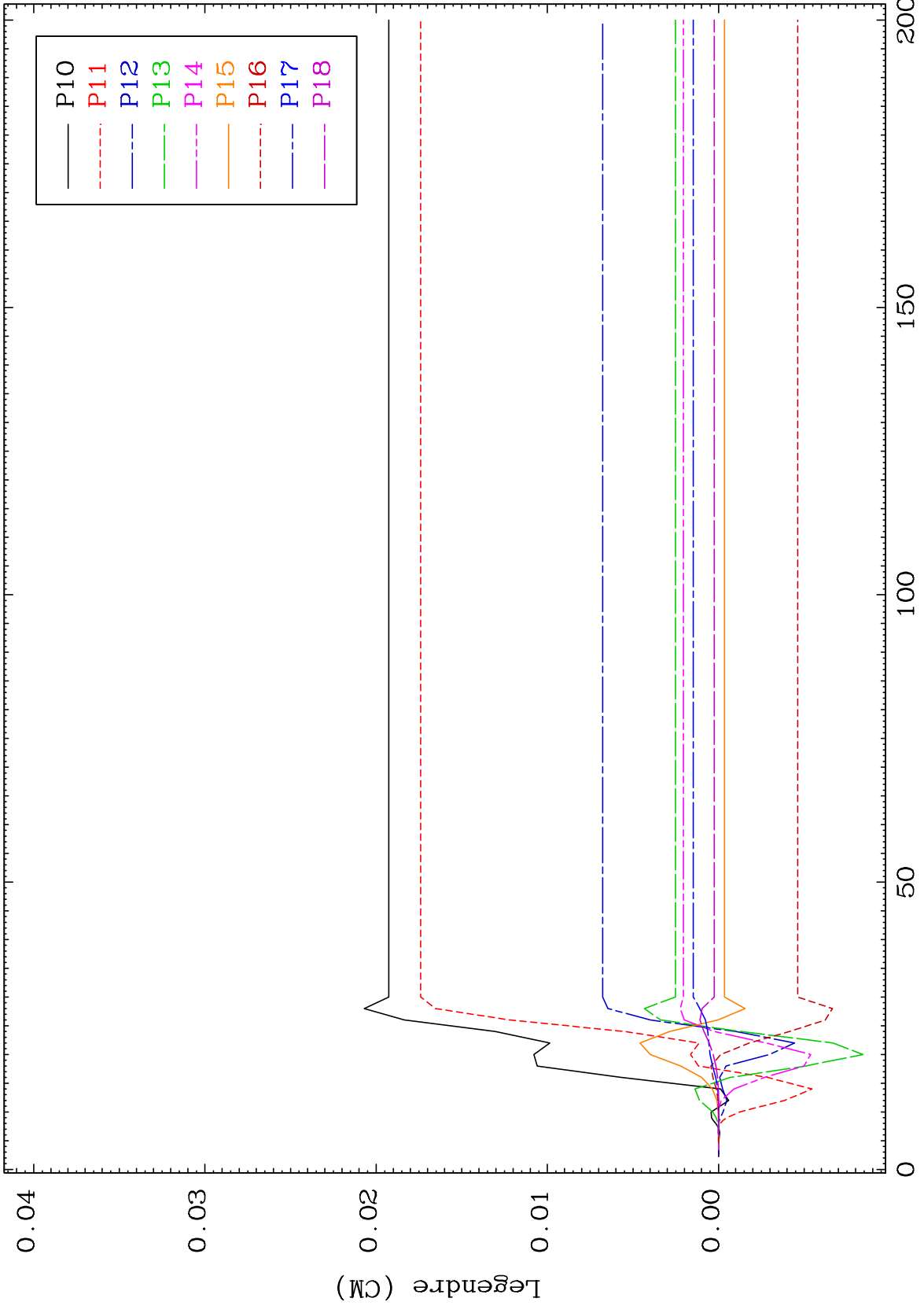
54-Xe-137

Incident Energy (MeV)

MAT 5464

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

54-Xe-137



51

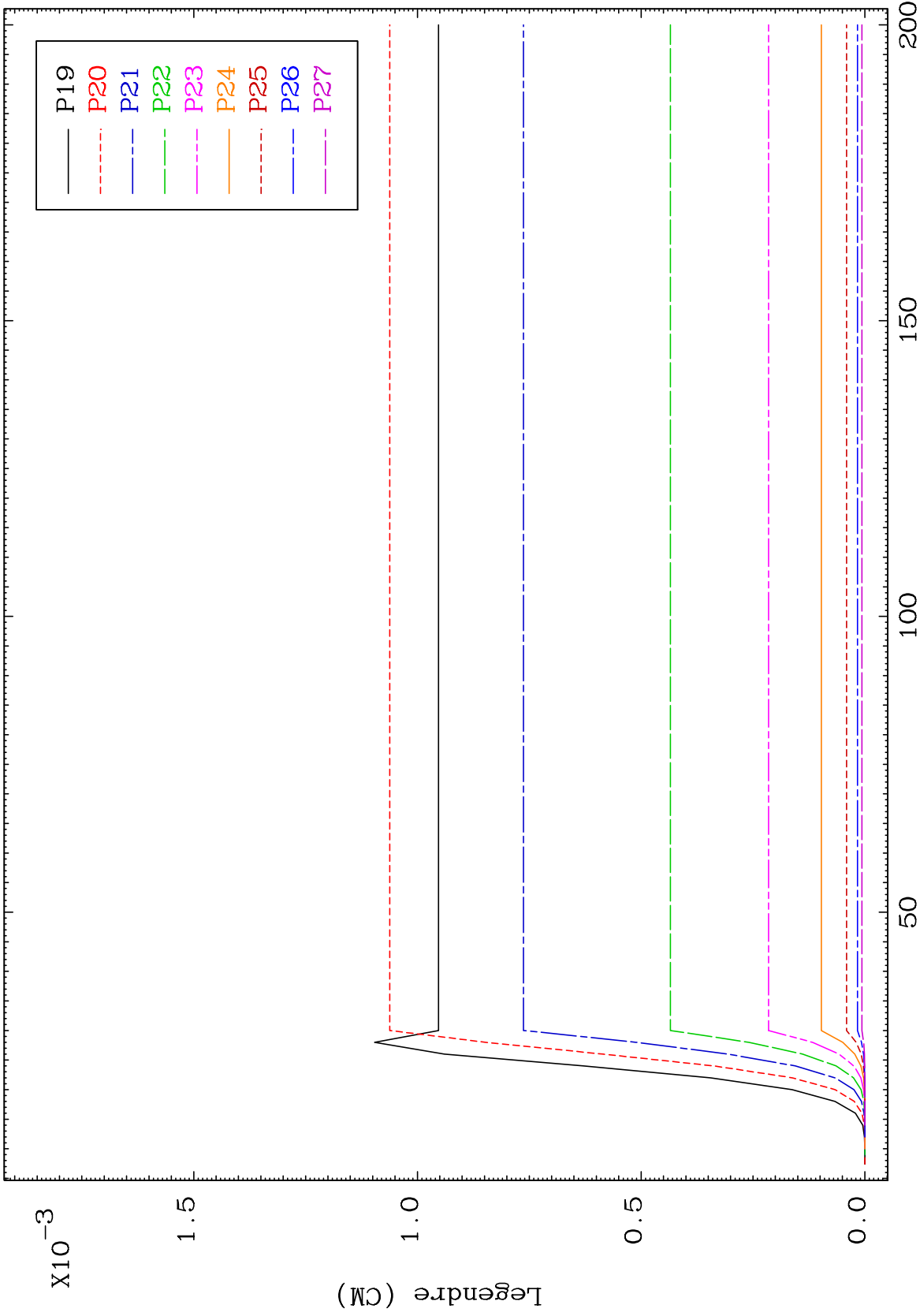
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



52

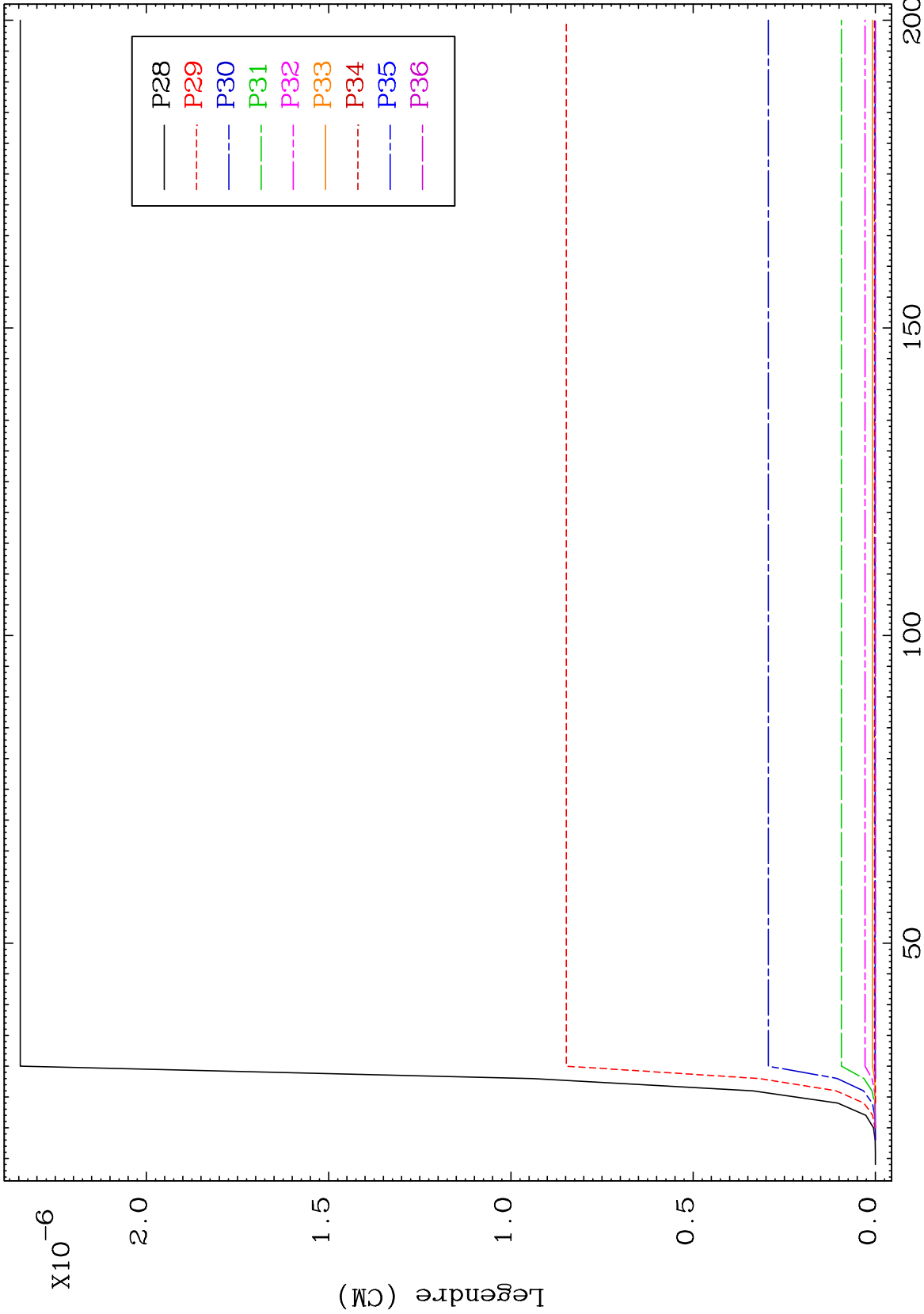
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



53

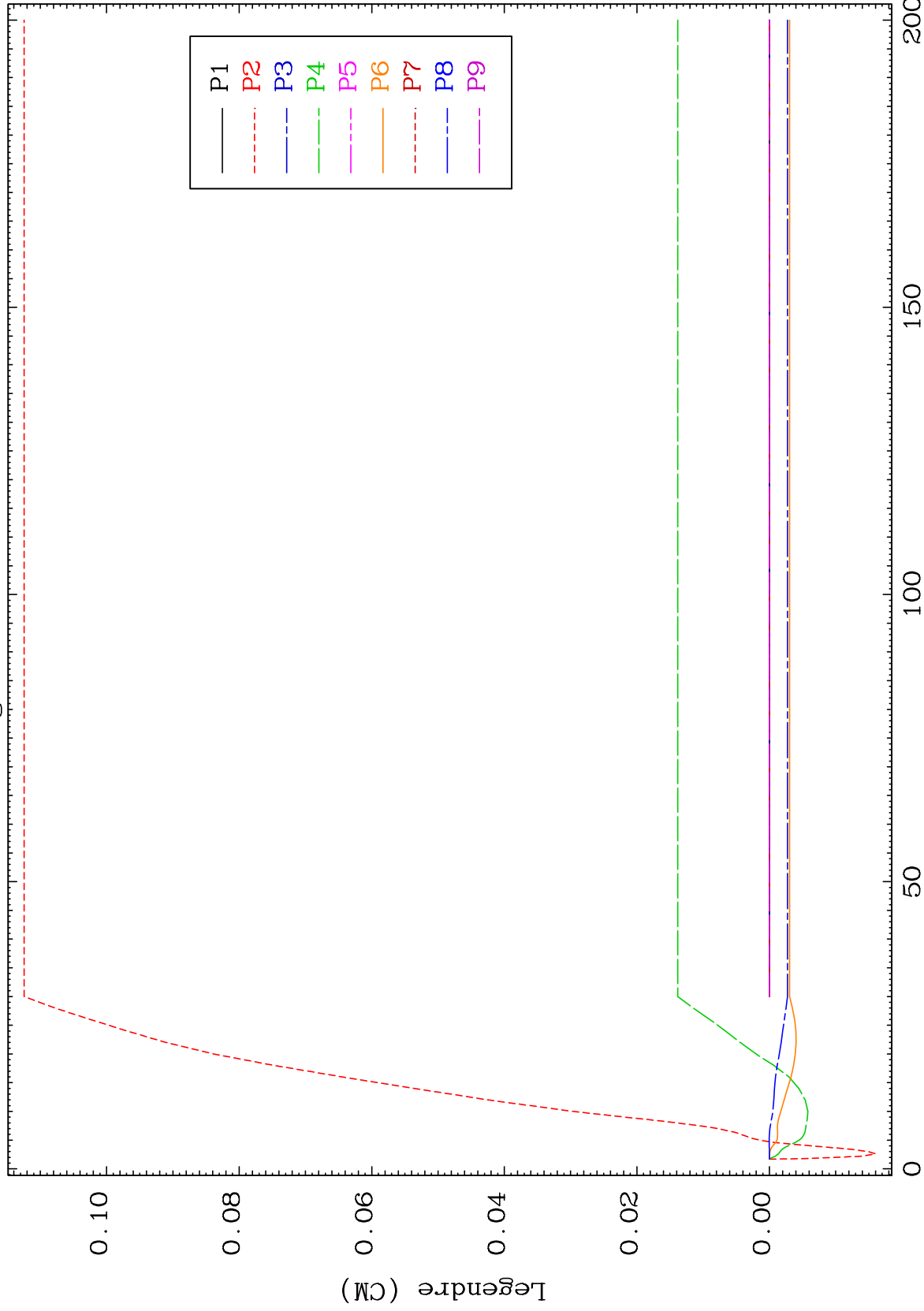
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



54

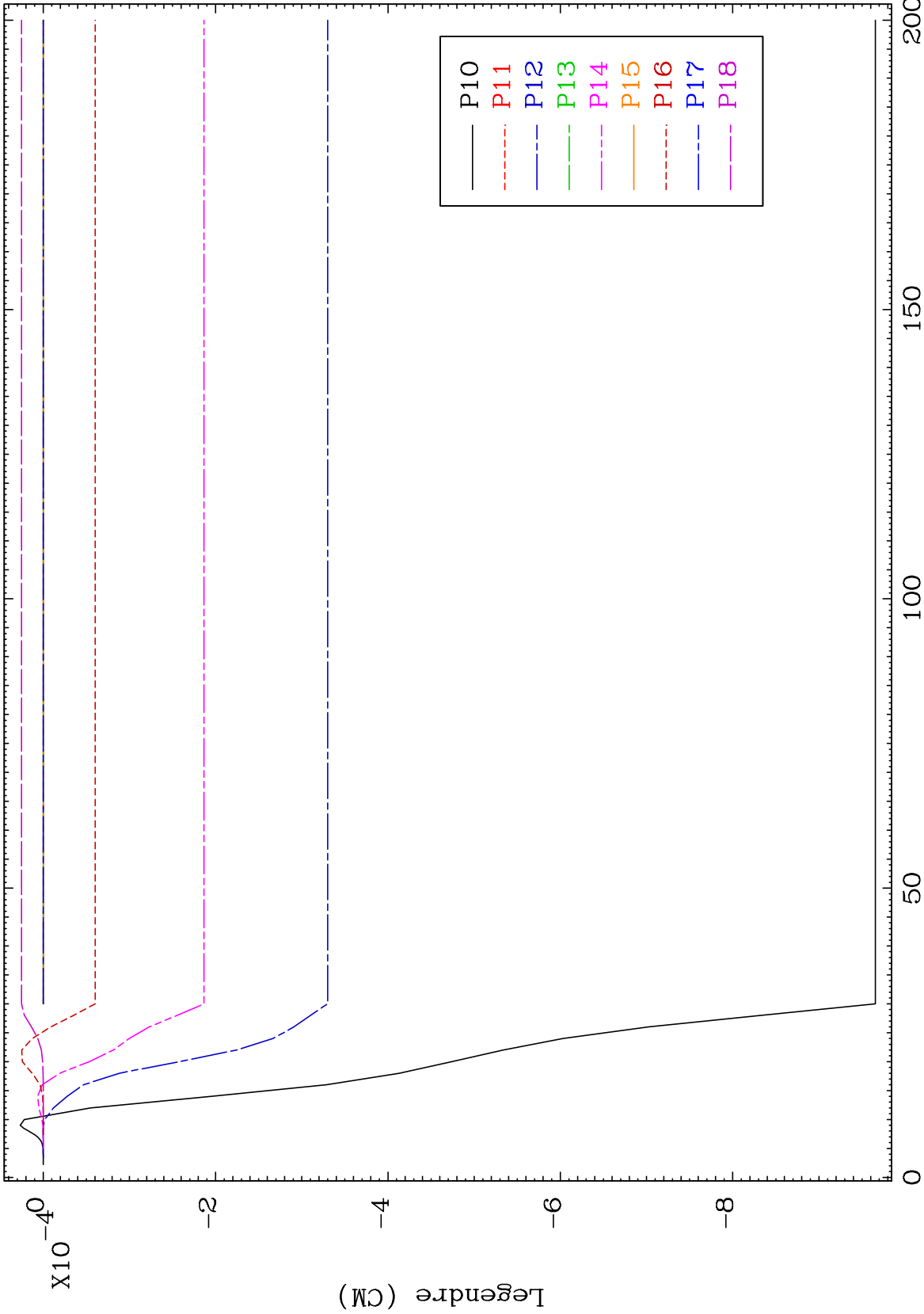
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



55

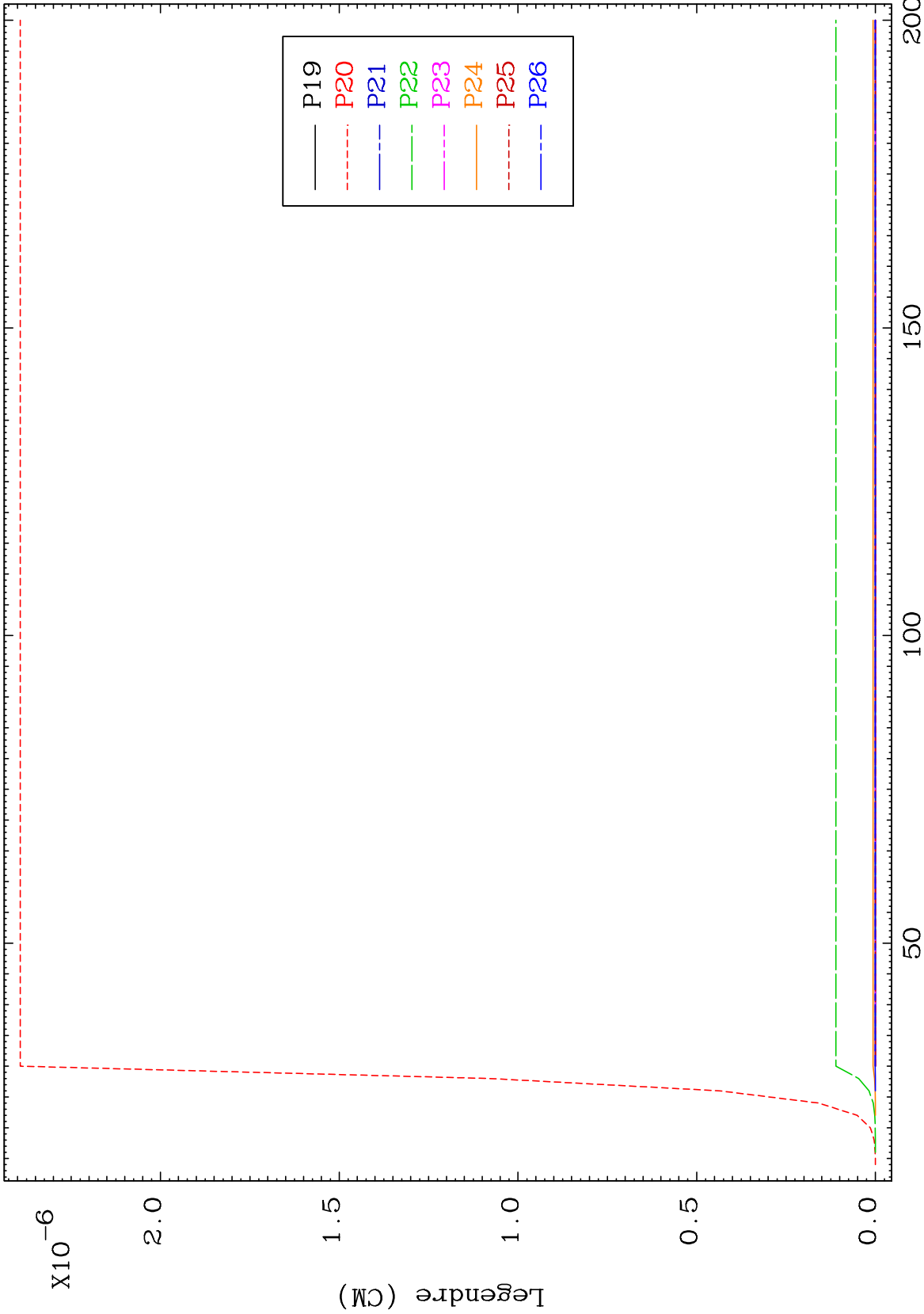
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



56

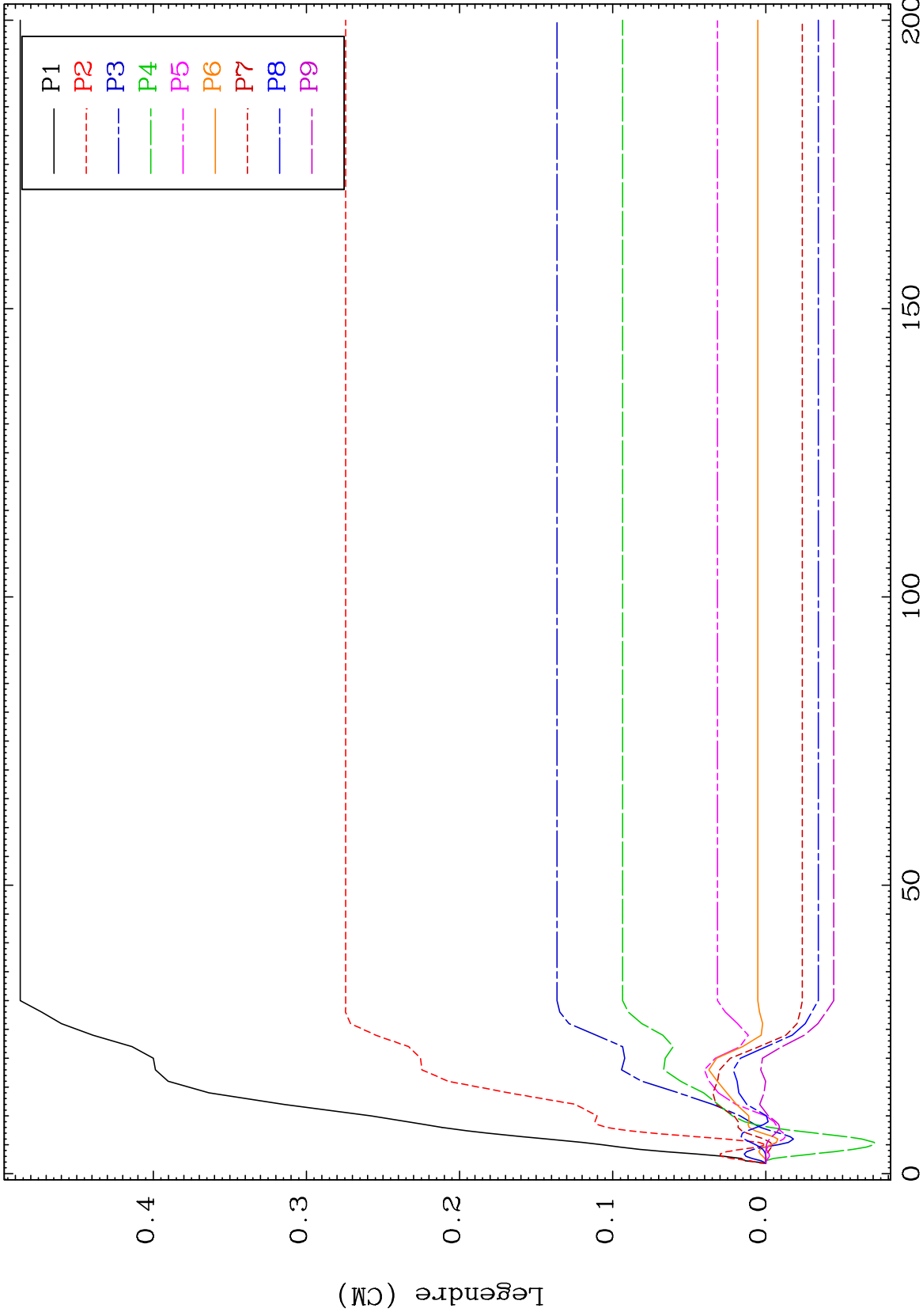
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



57

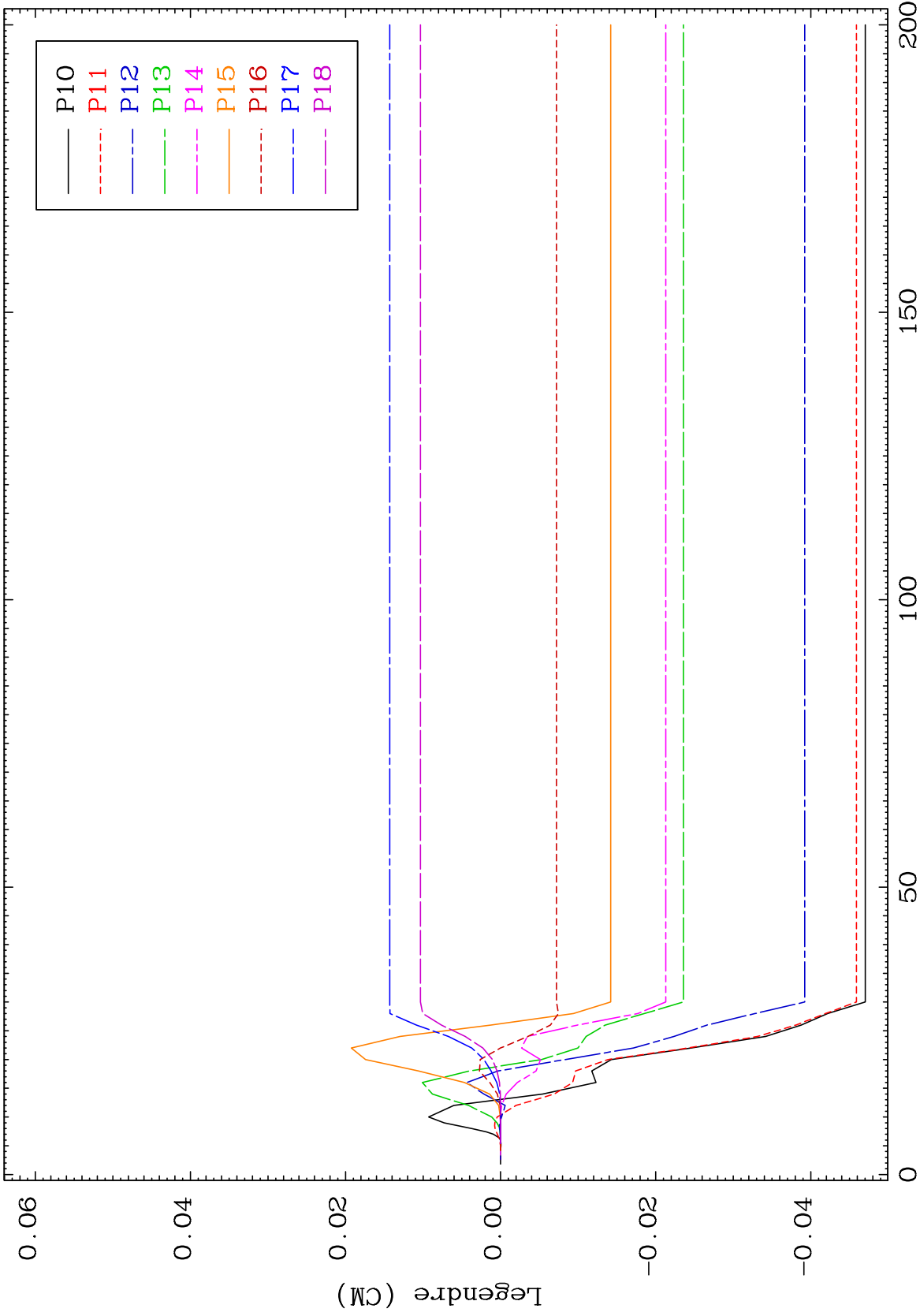
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



58

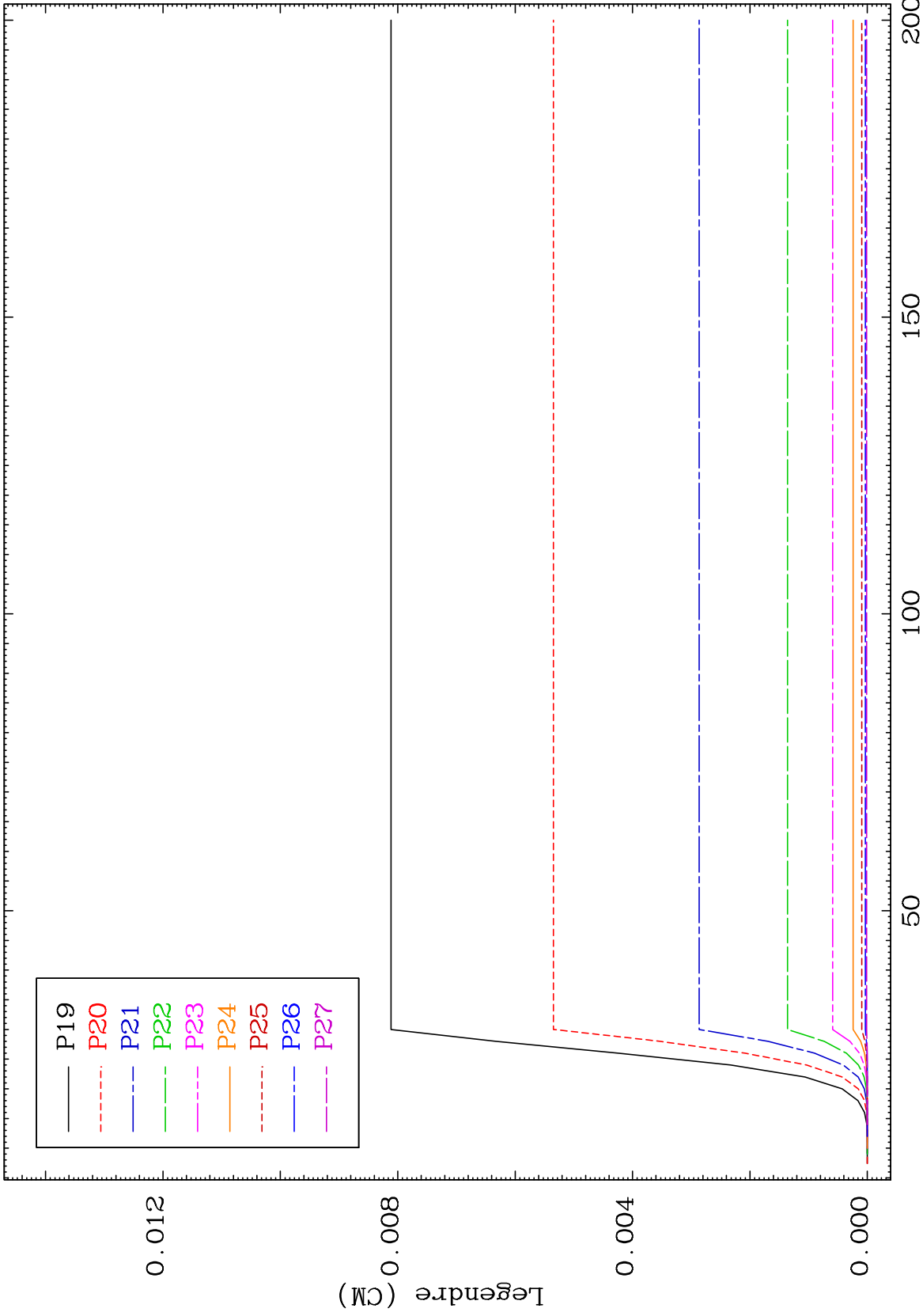
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



59

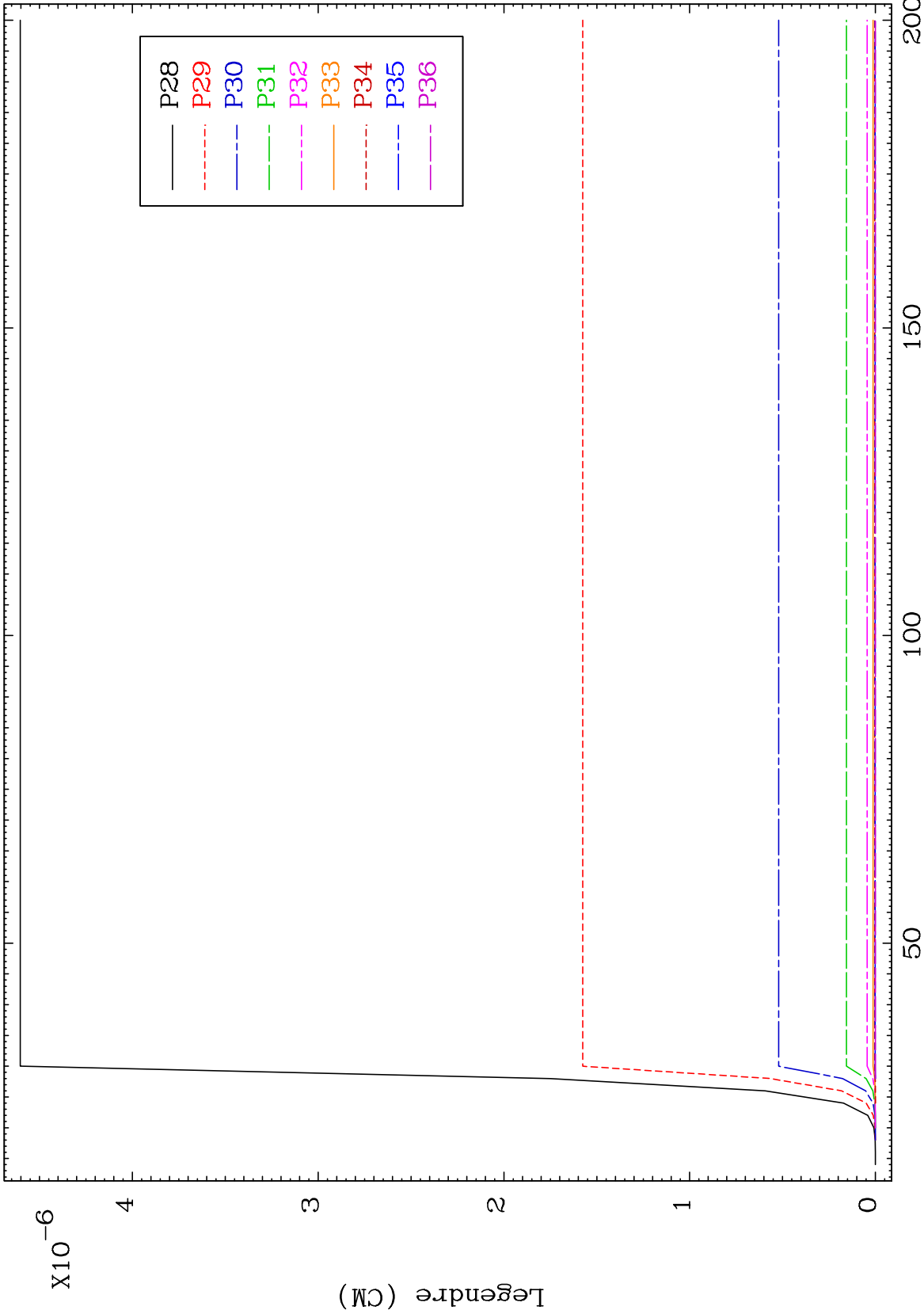
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



60

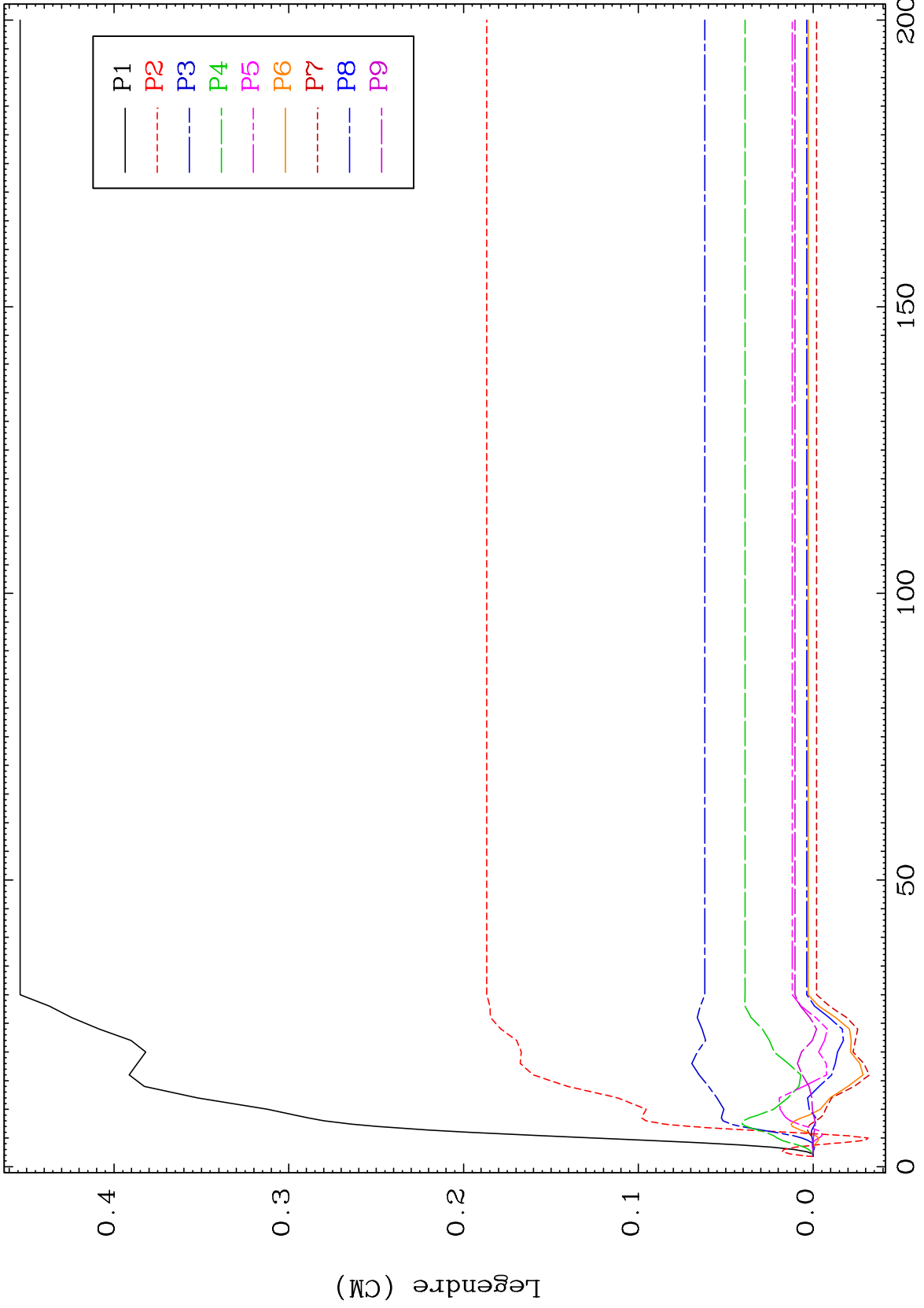
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



61

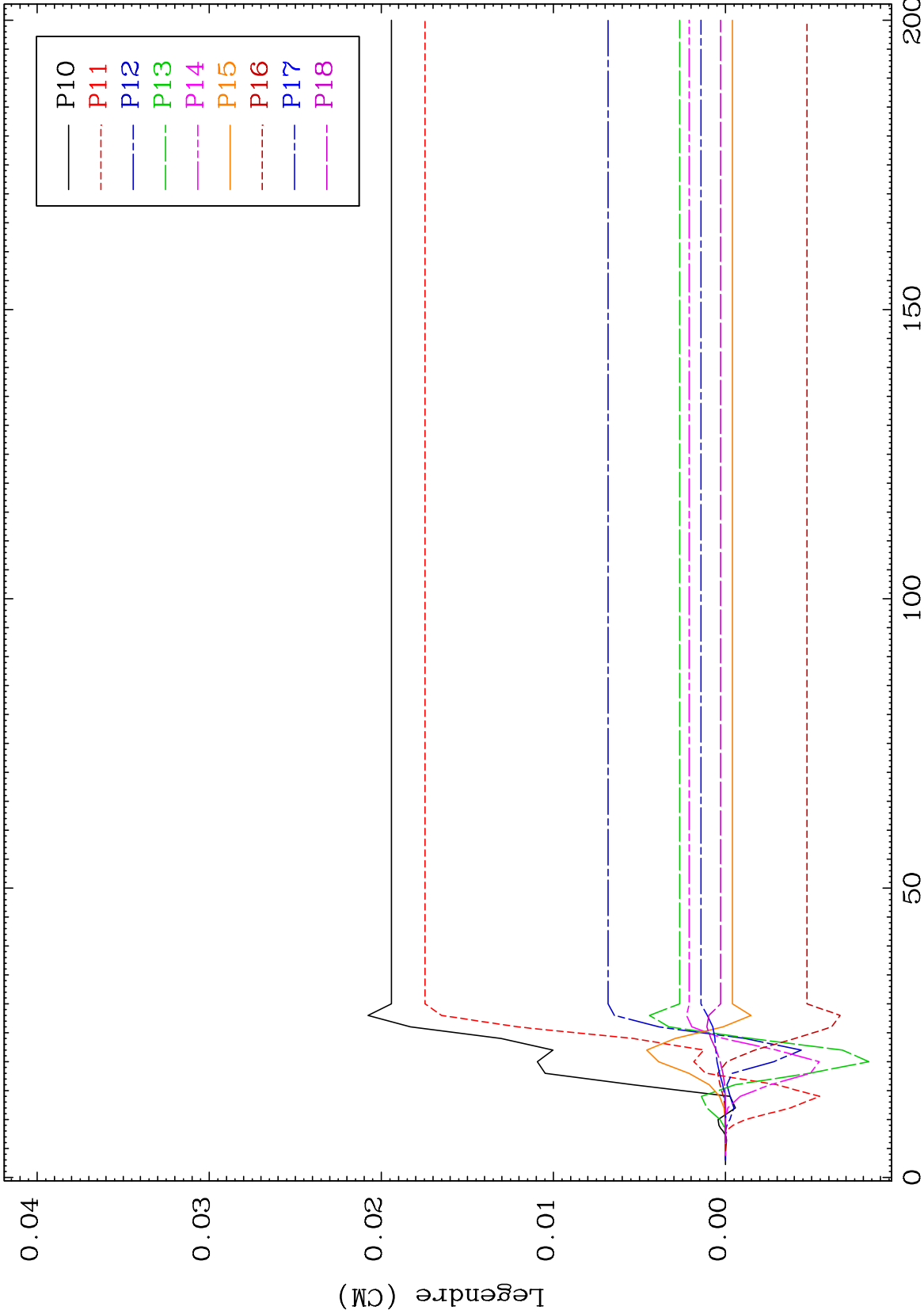
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



62

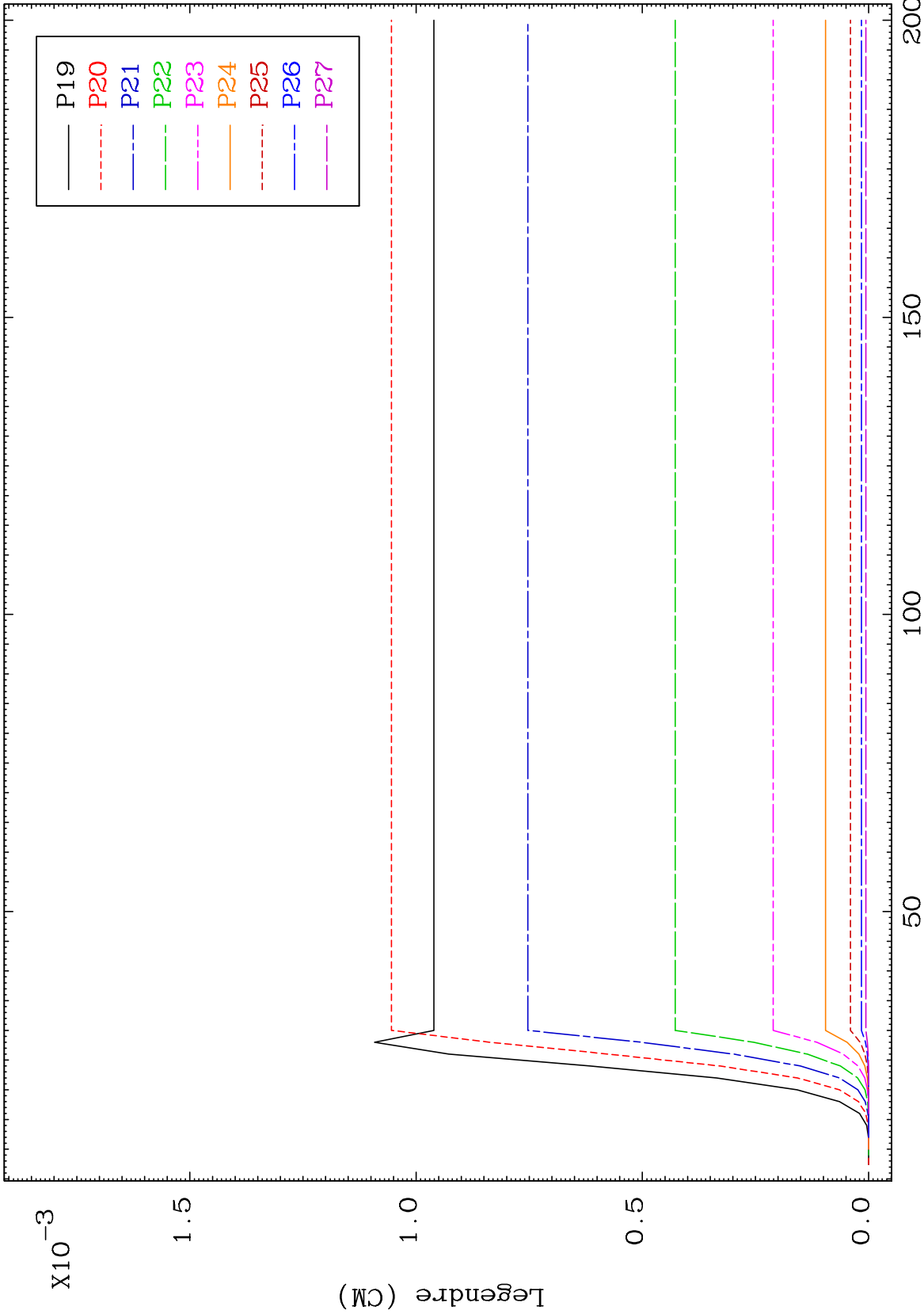
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



63

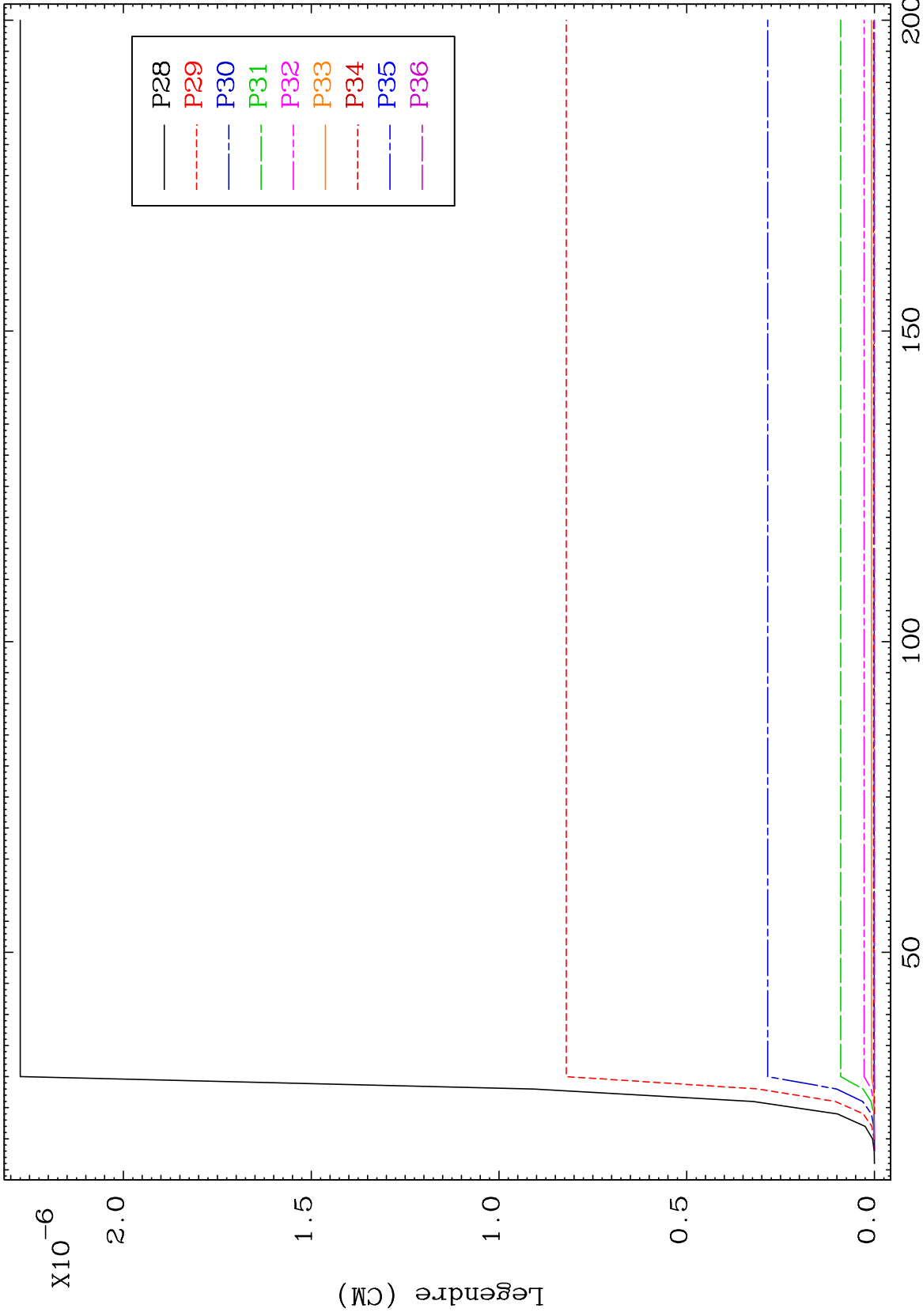
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



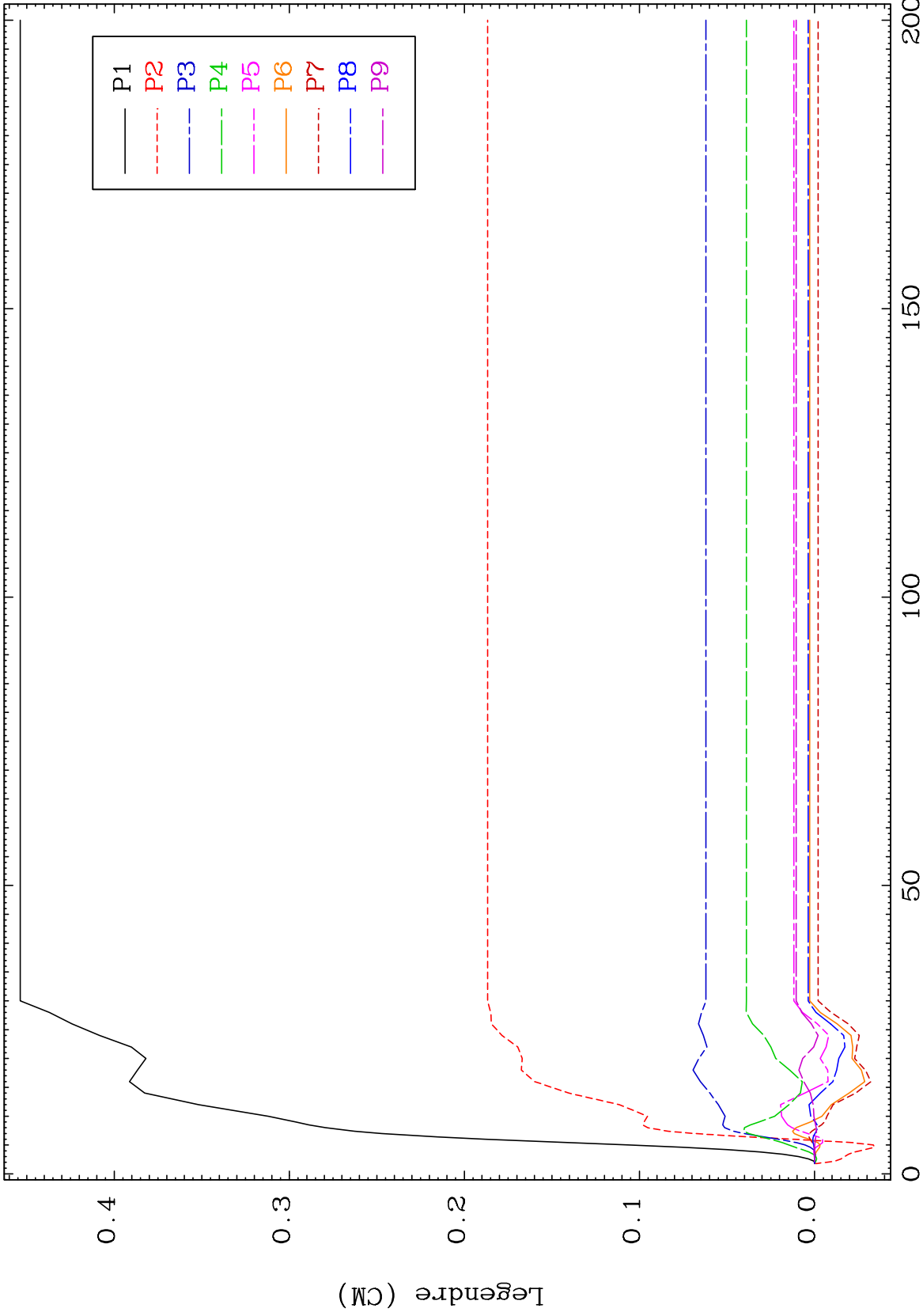
64

54-Xe-137

MAT 5464

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

54-Xe-137



65

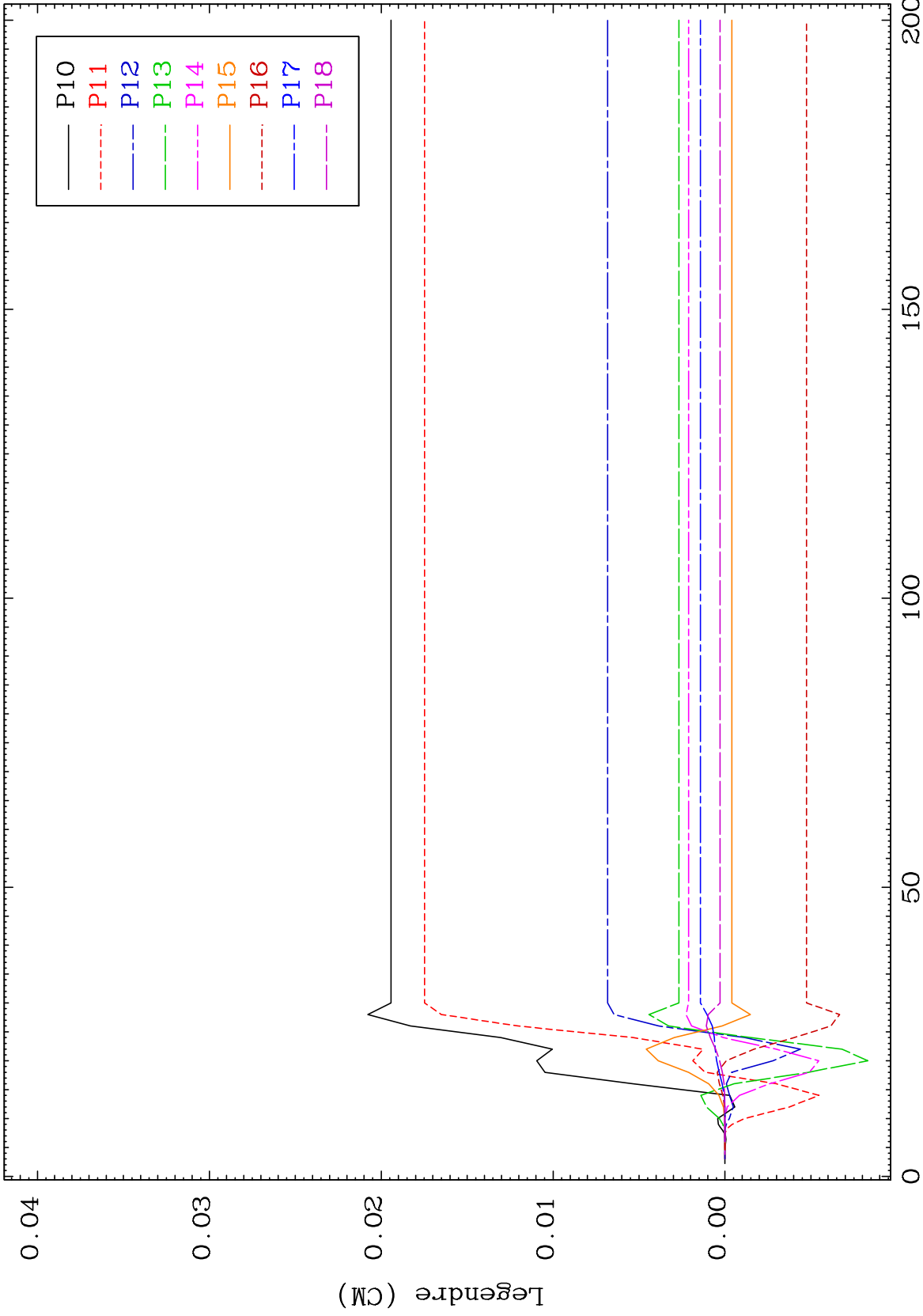
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



66

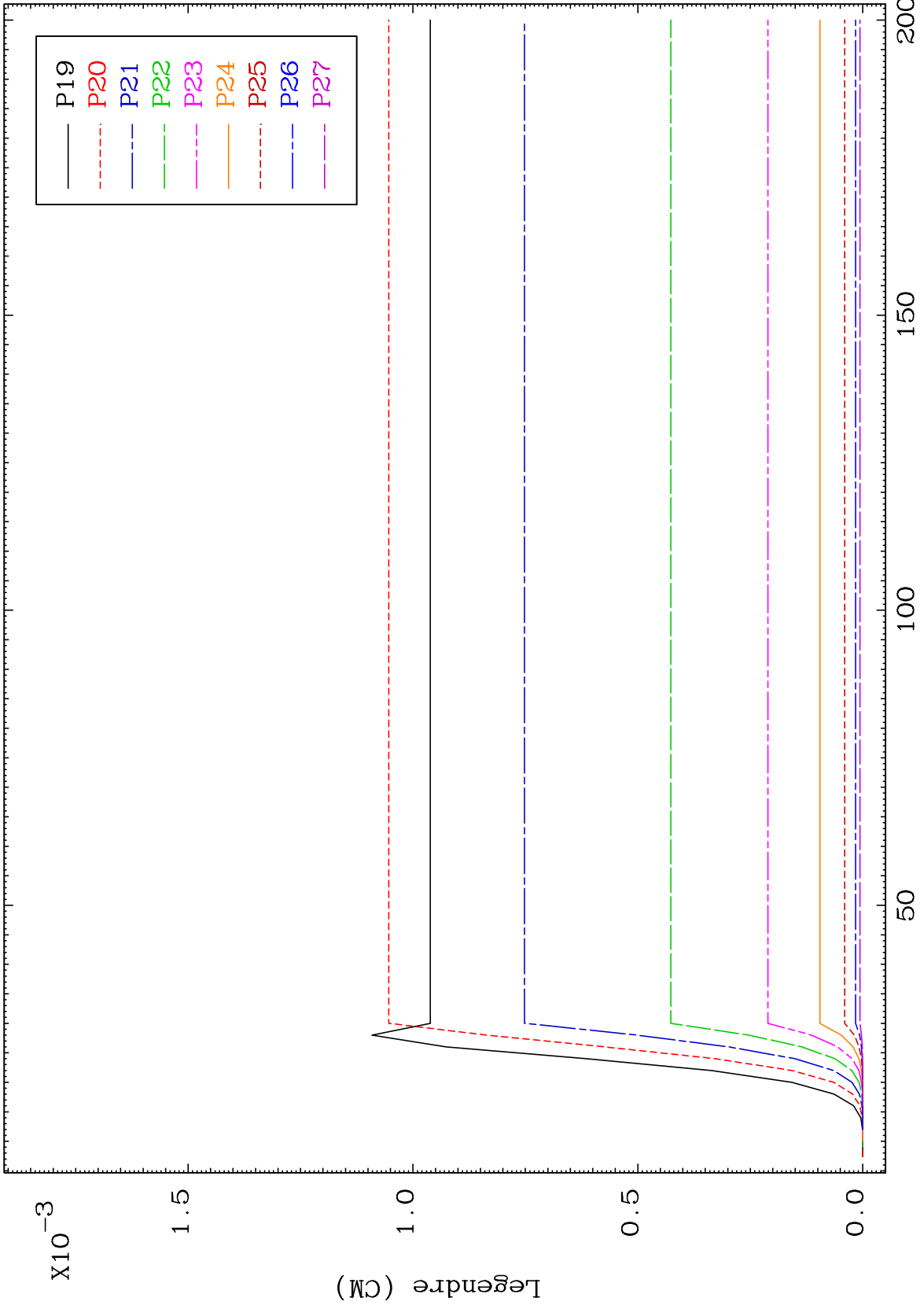
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



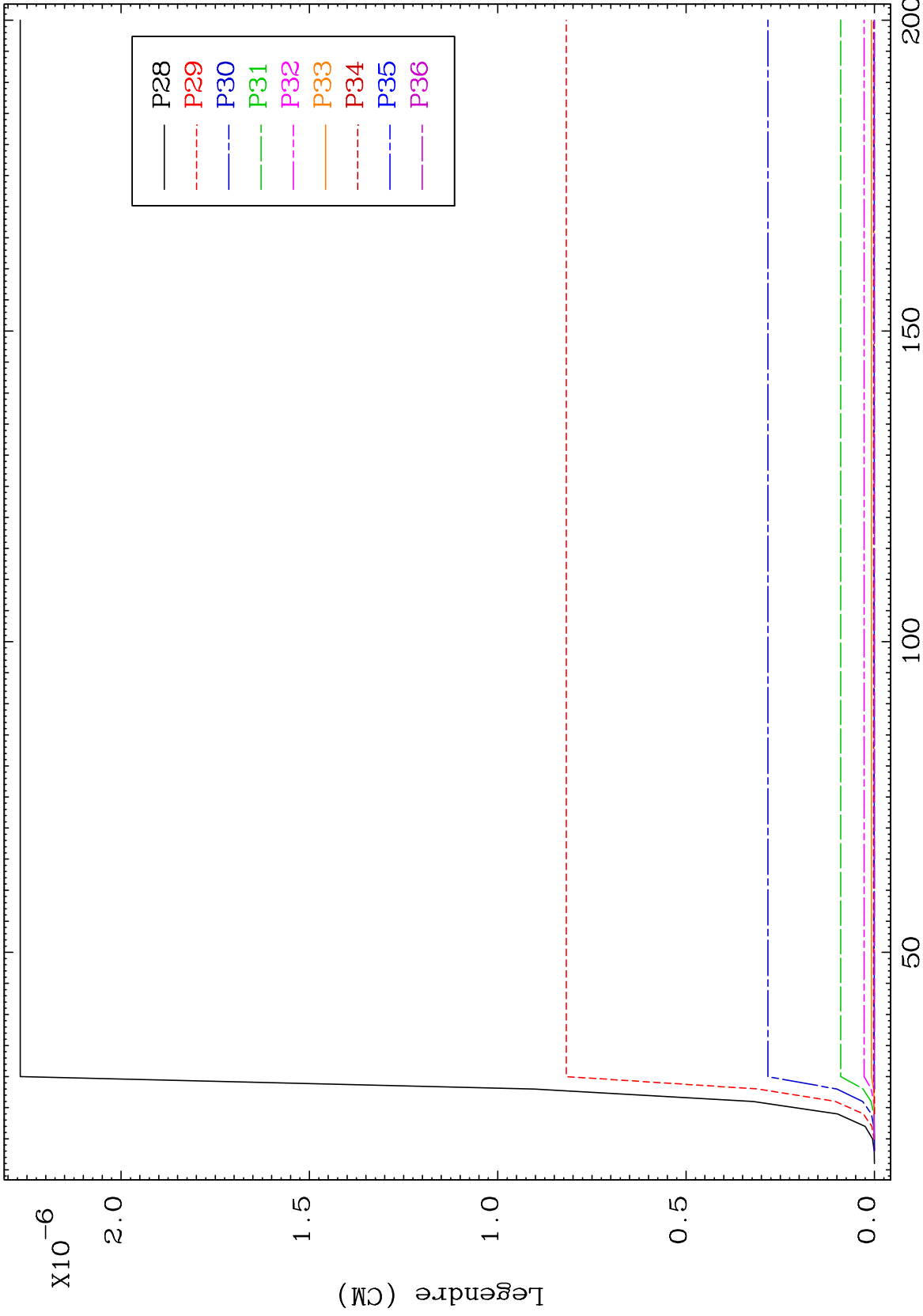
67

54-Xe-137

MAT 5464

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

54-Xe-137



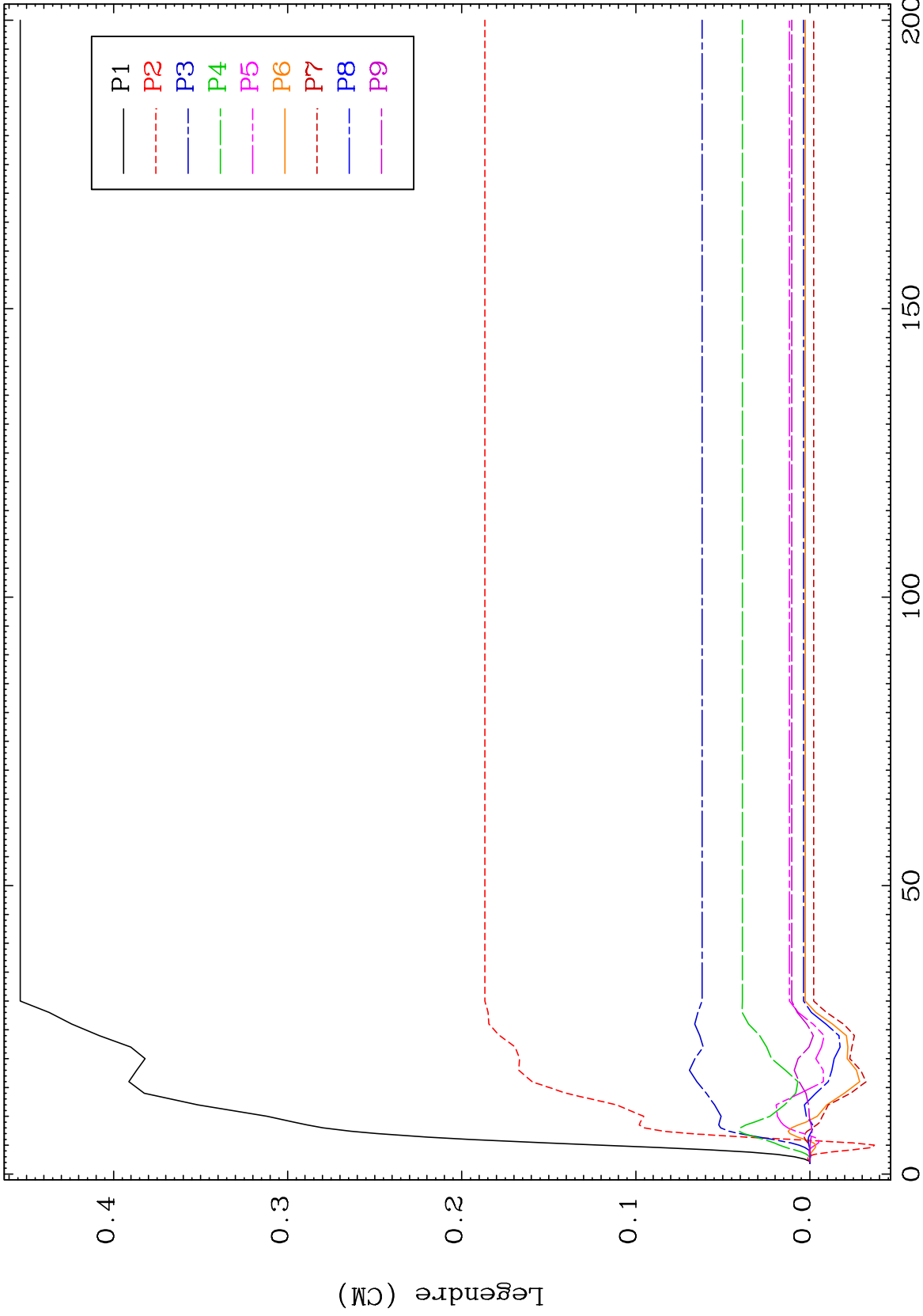
68

54-Xe-137

MAT 5464

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

54-Xe-137



69

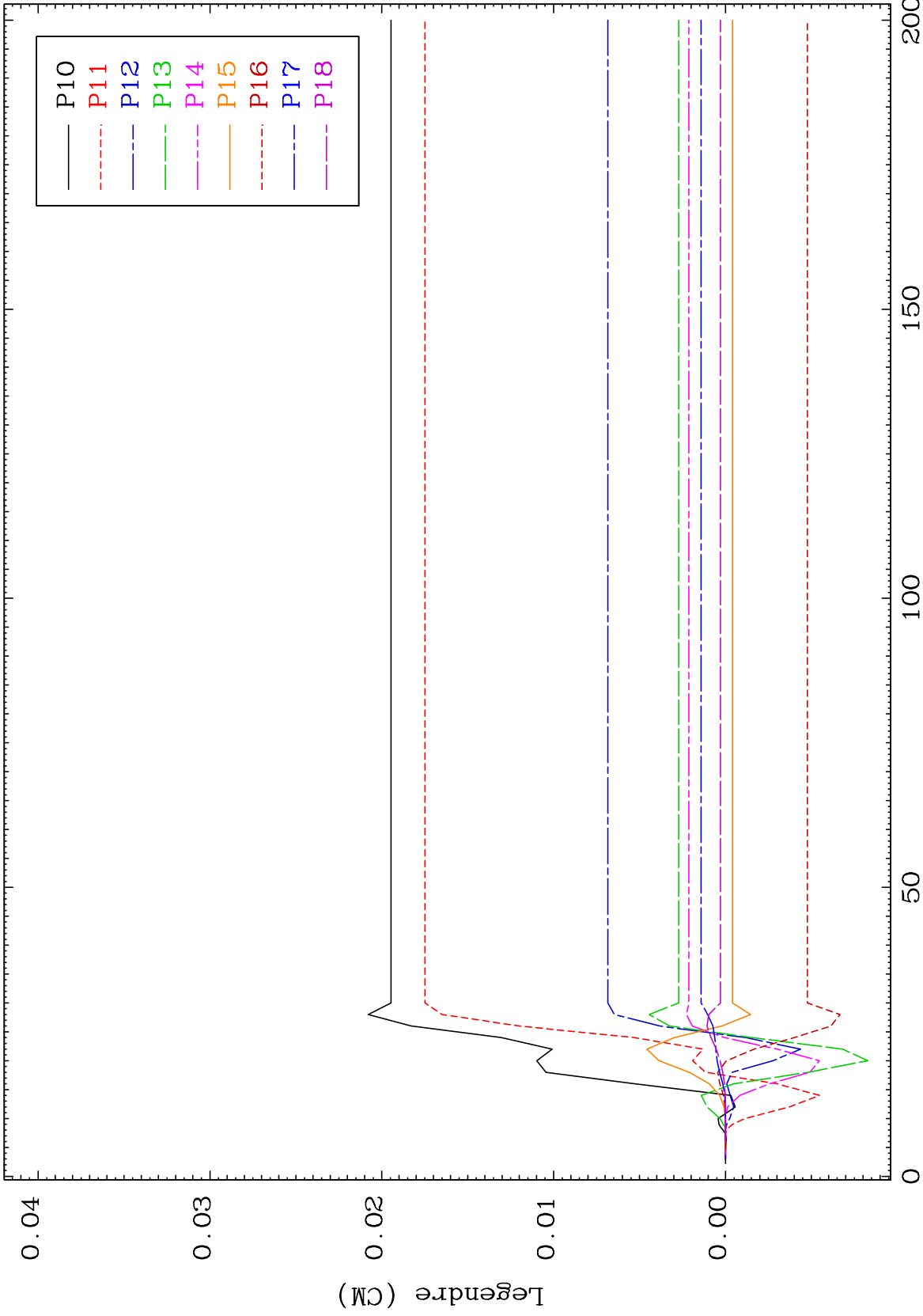
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



70

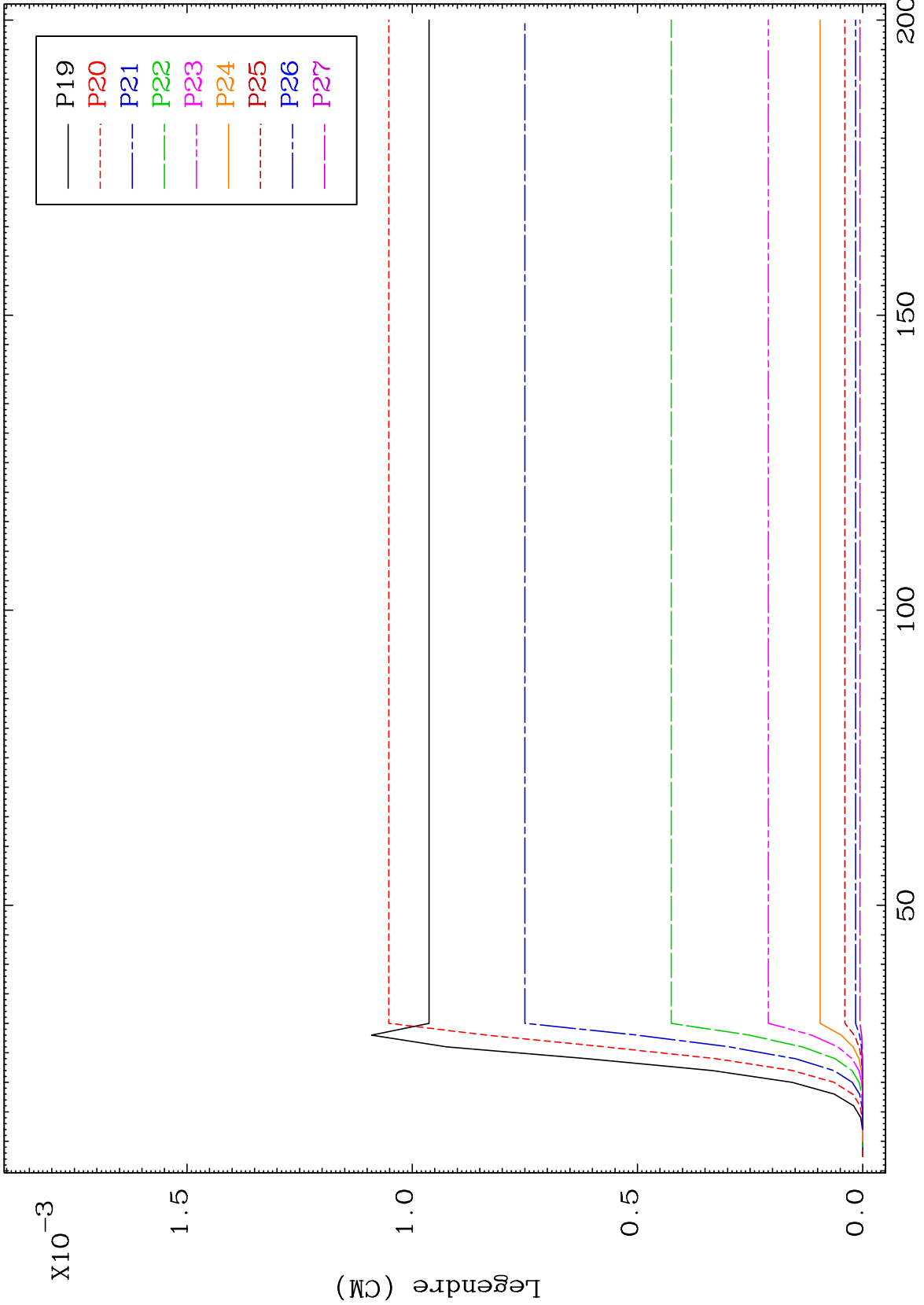
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



71

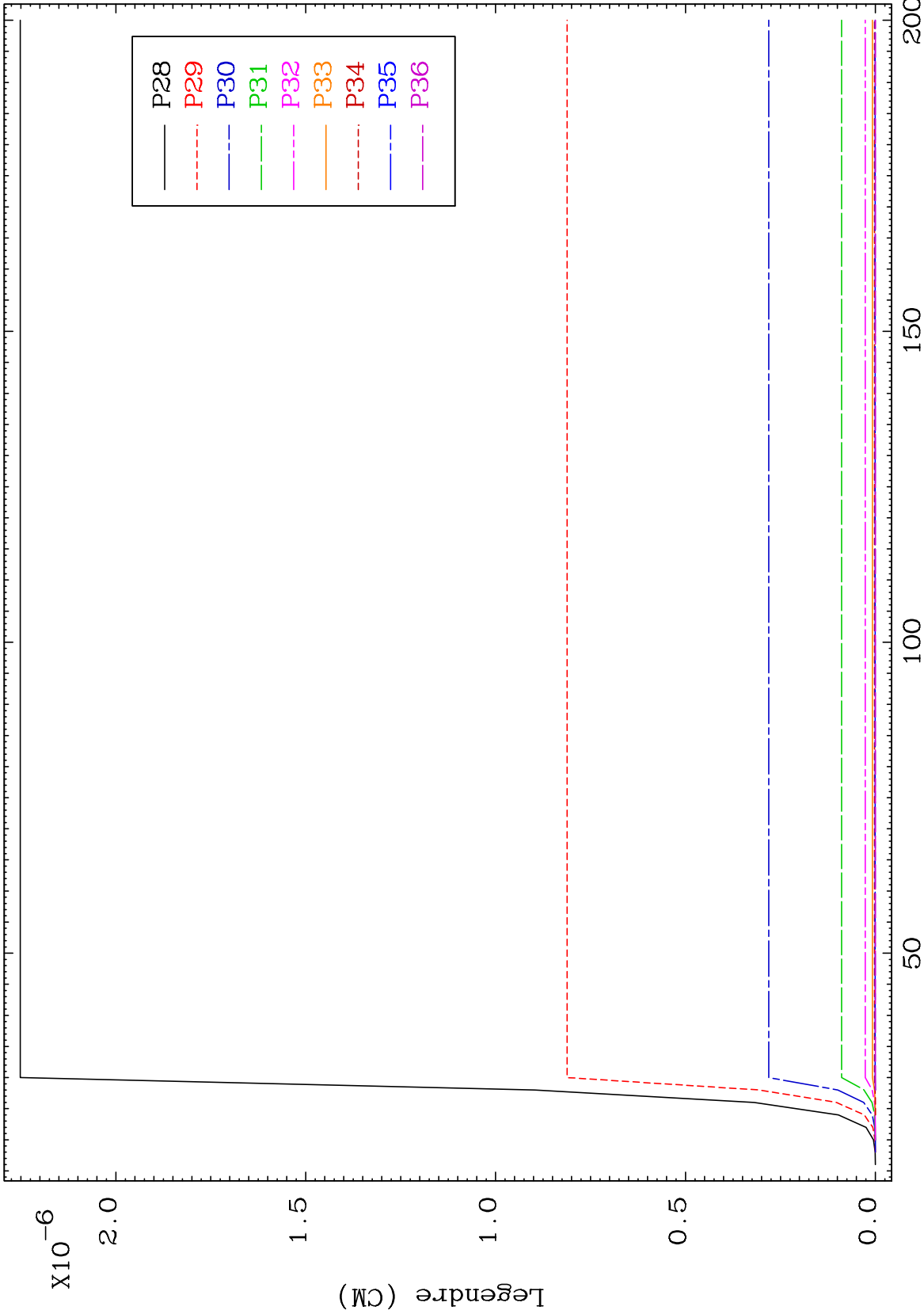
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



72

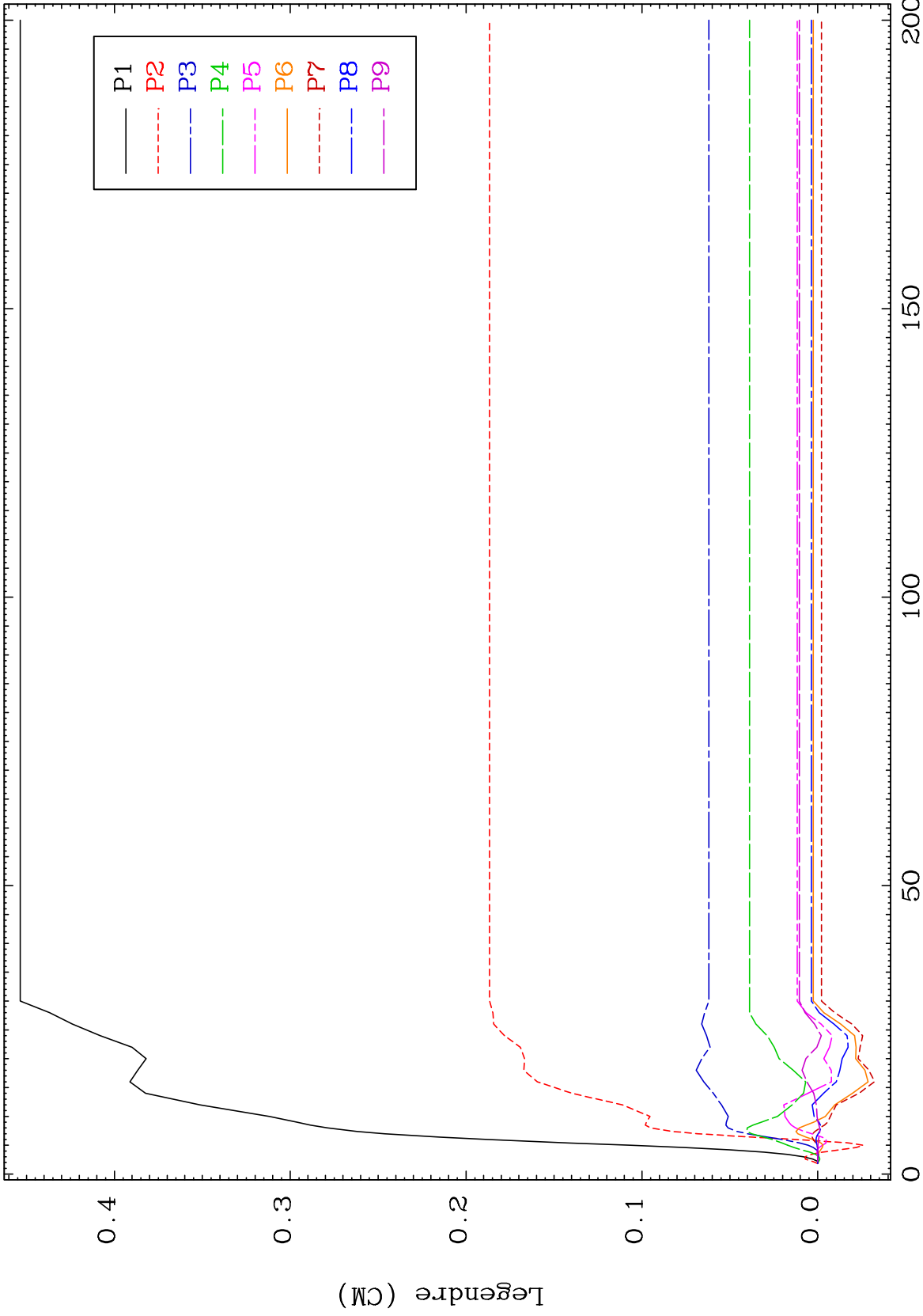
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



73

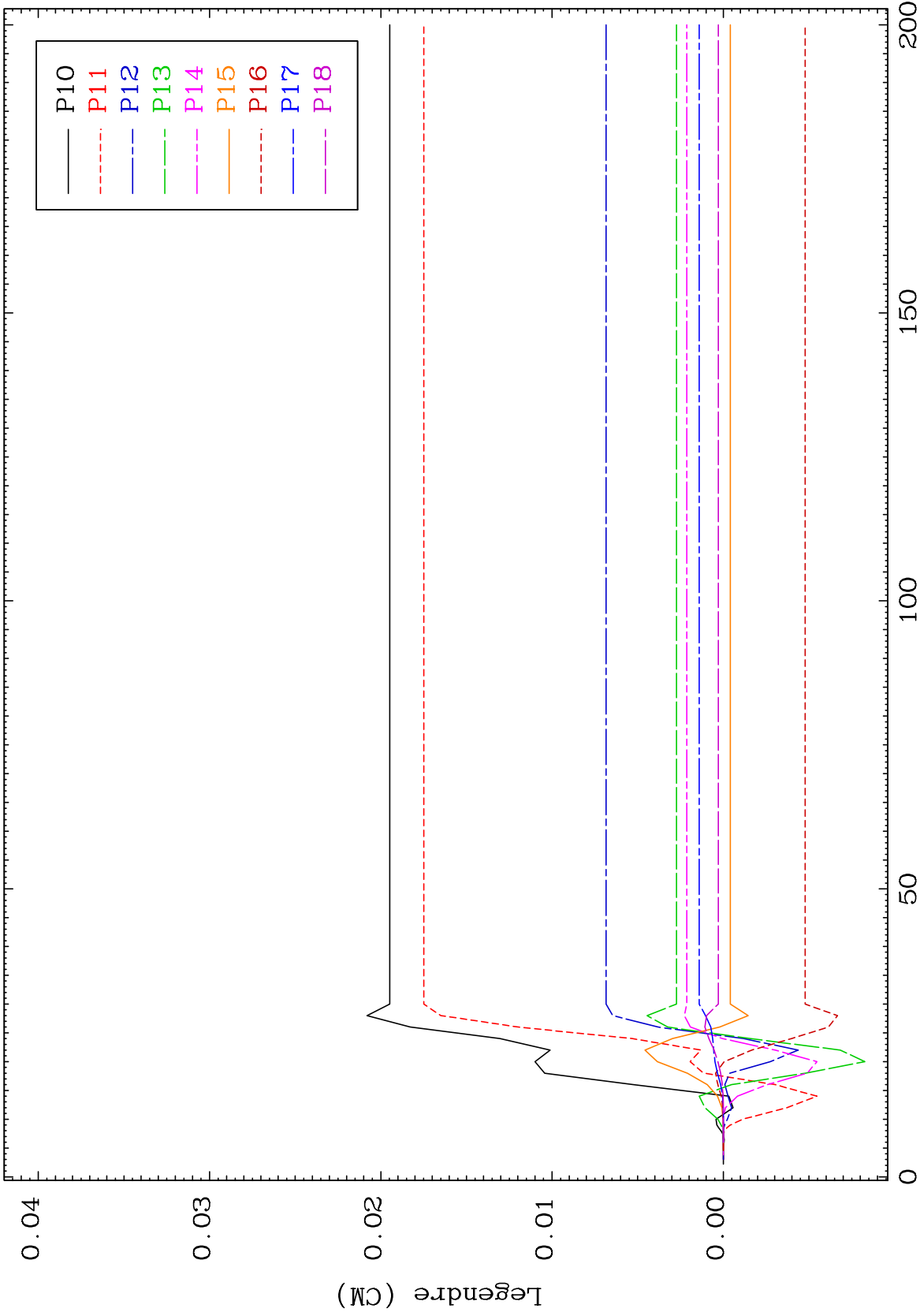
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



74

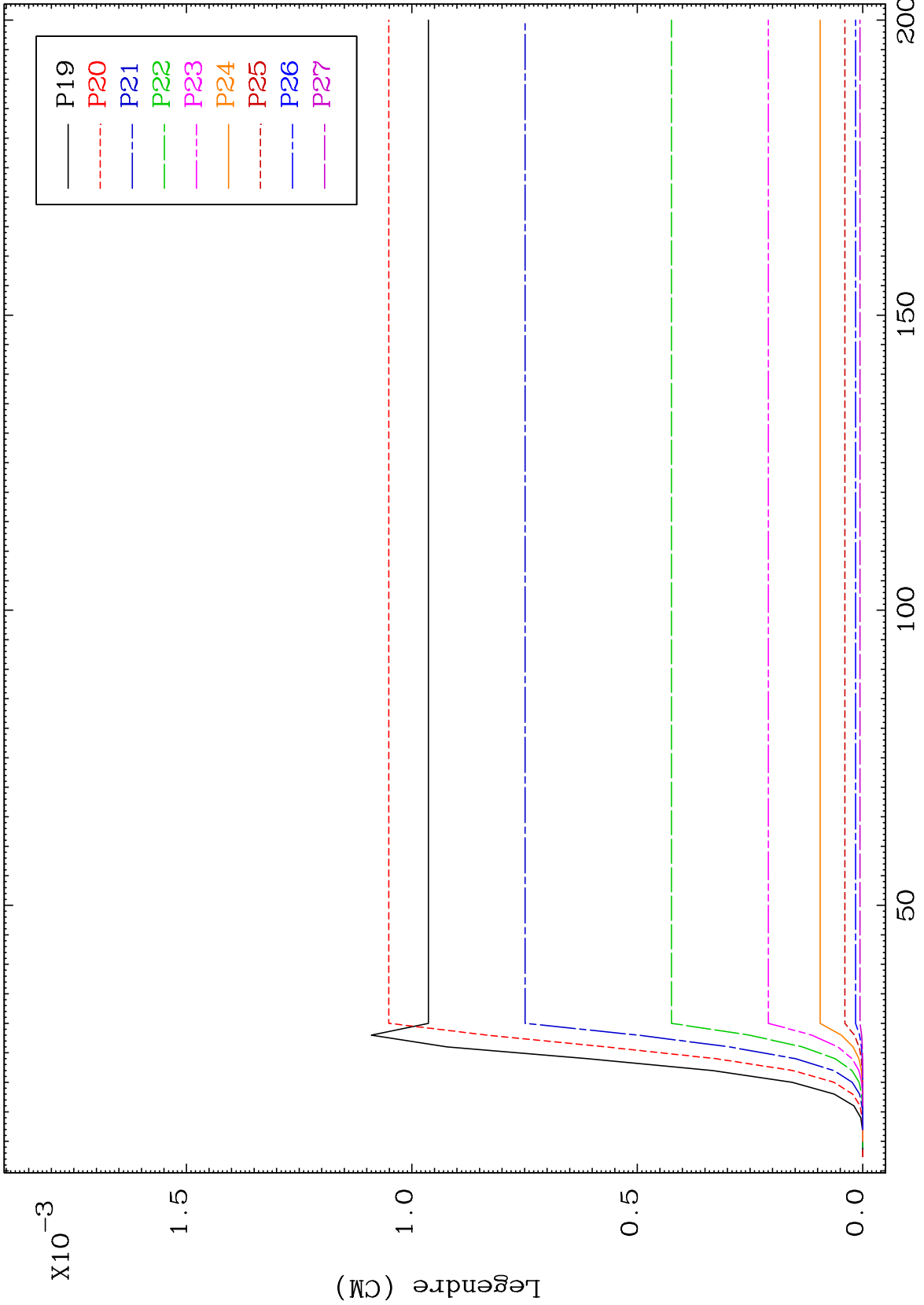
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



75

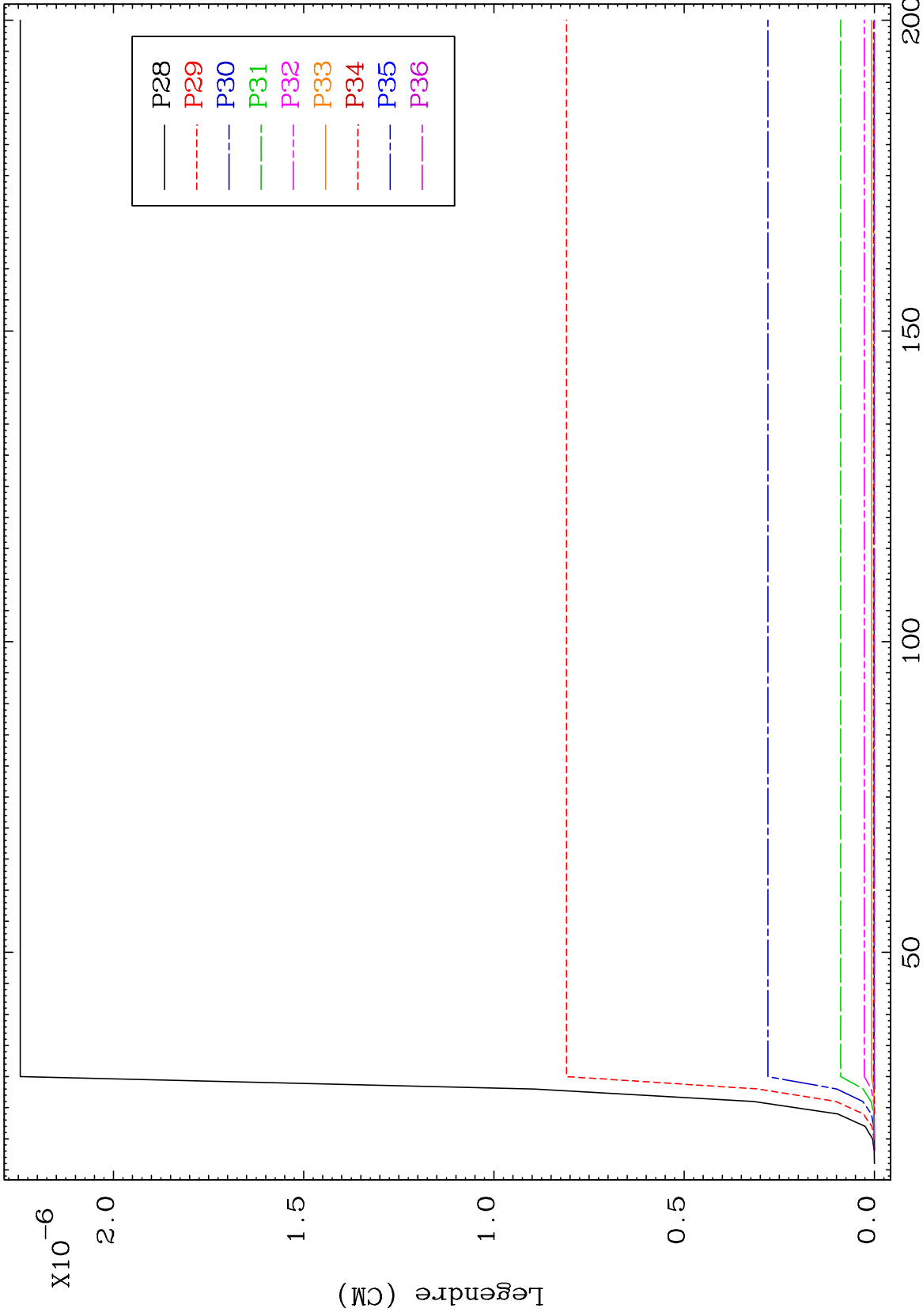
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



76

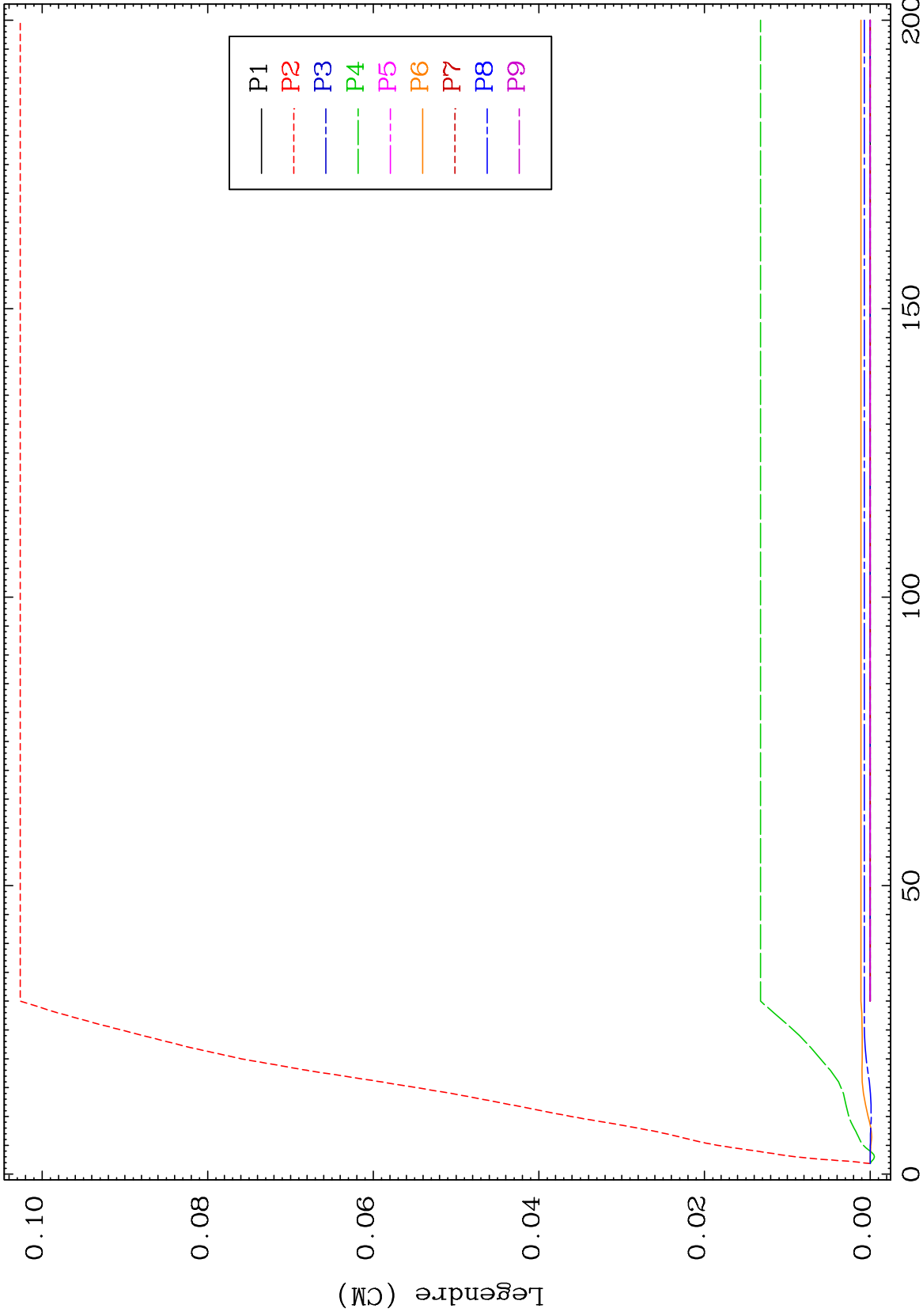
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



77

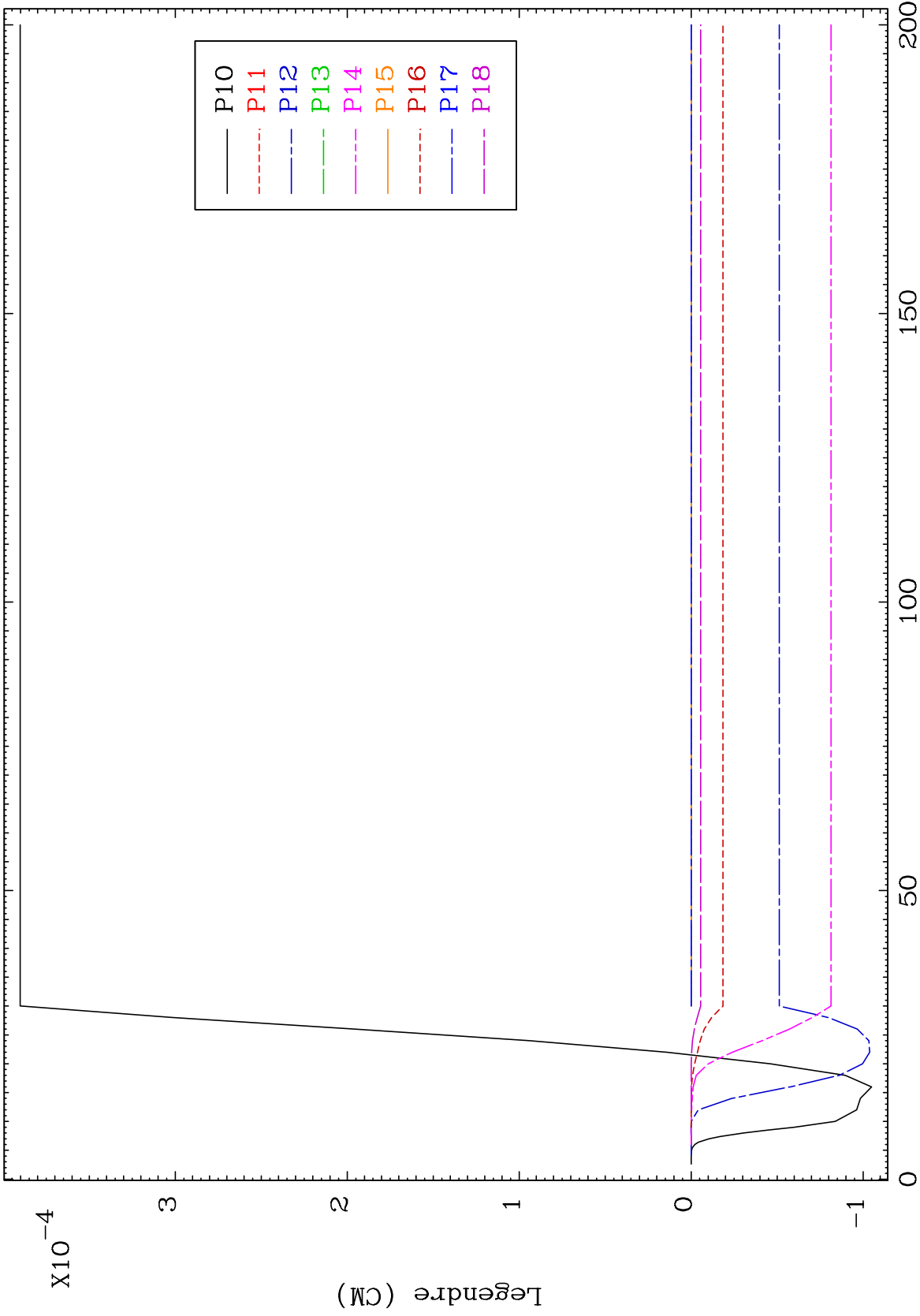
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



78

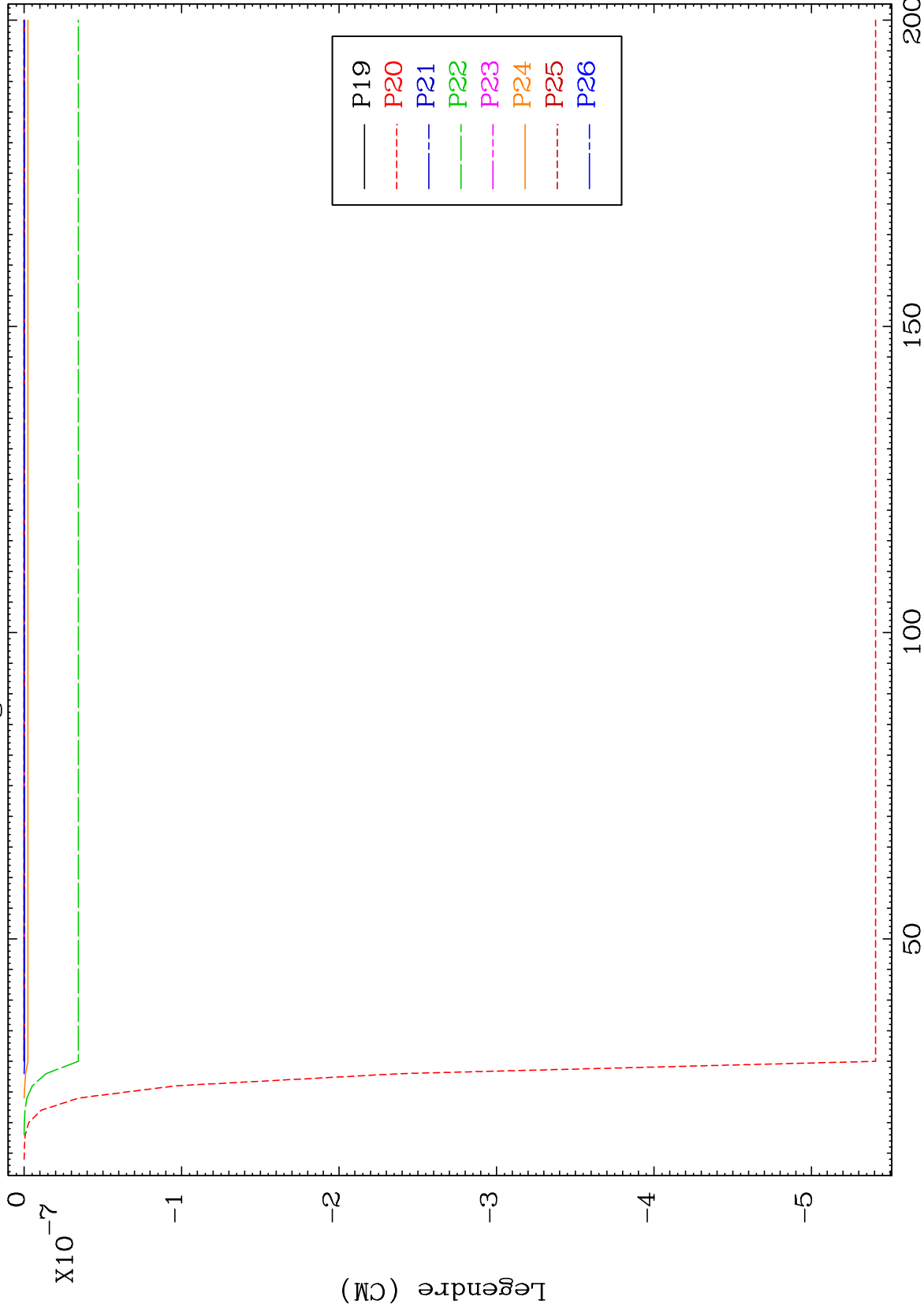
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



79

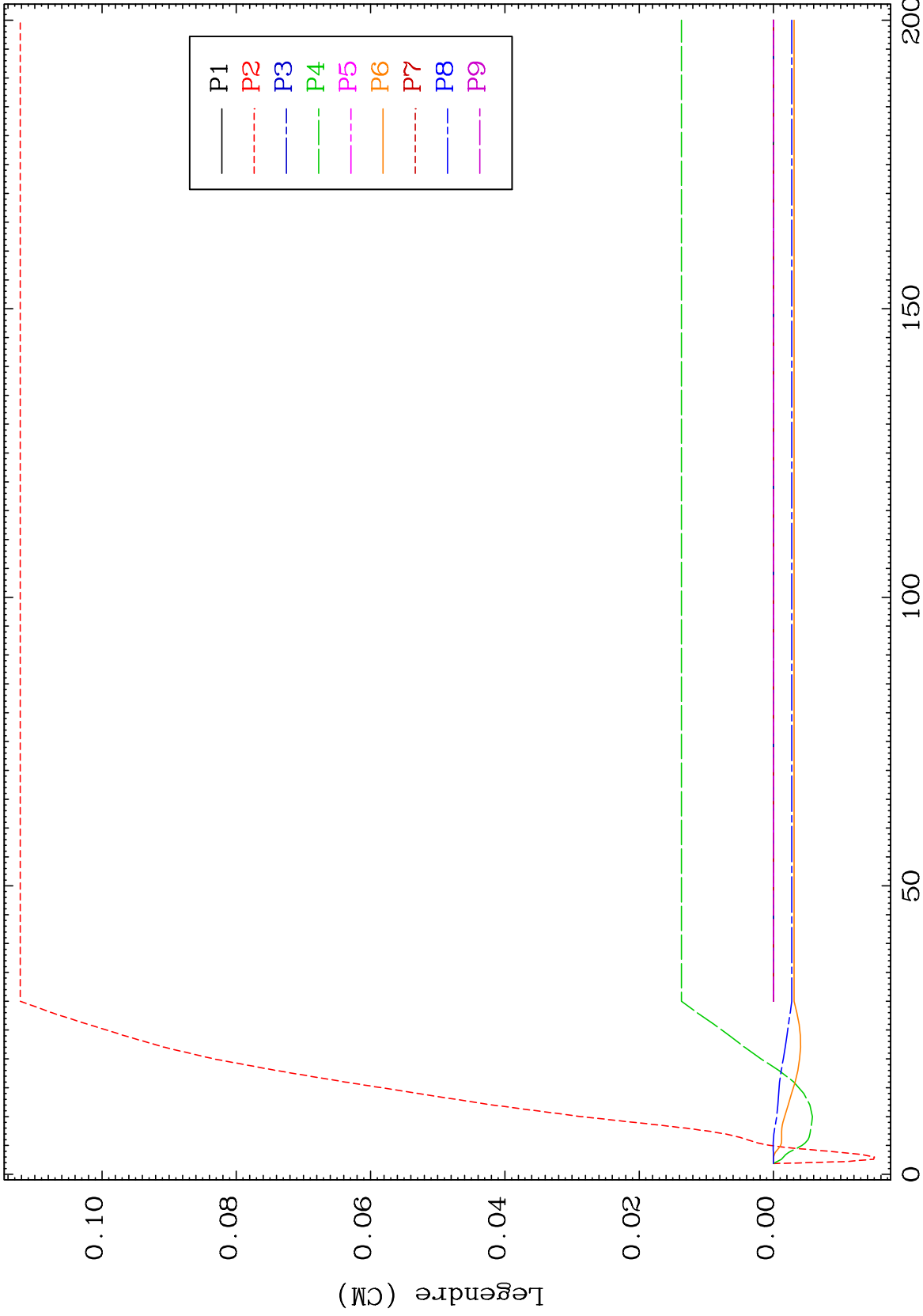
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



80

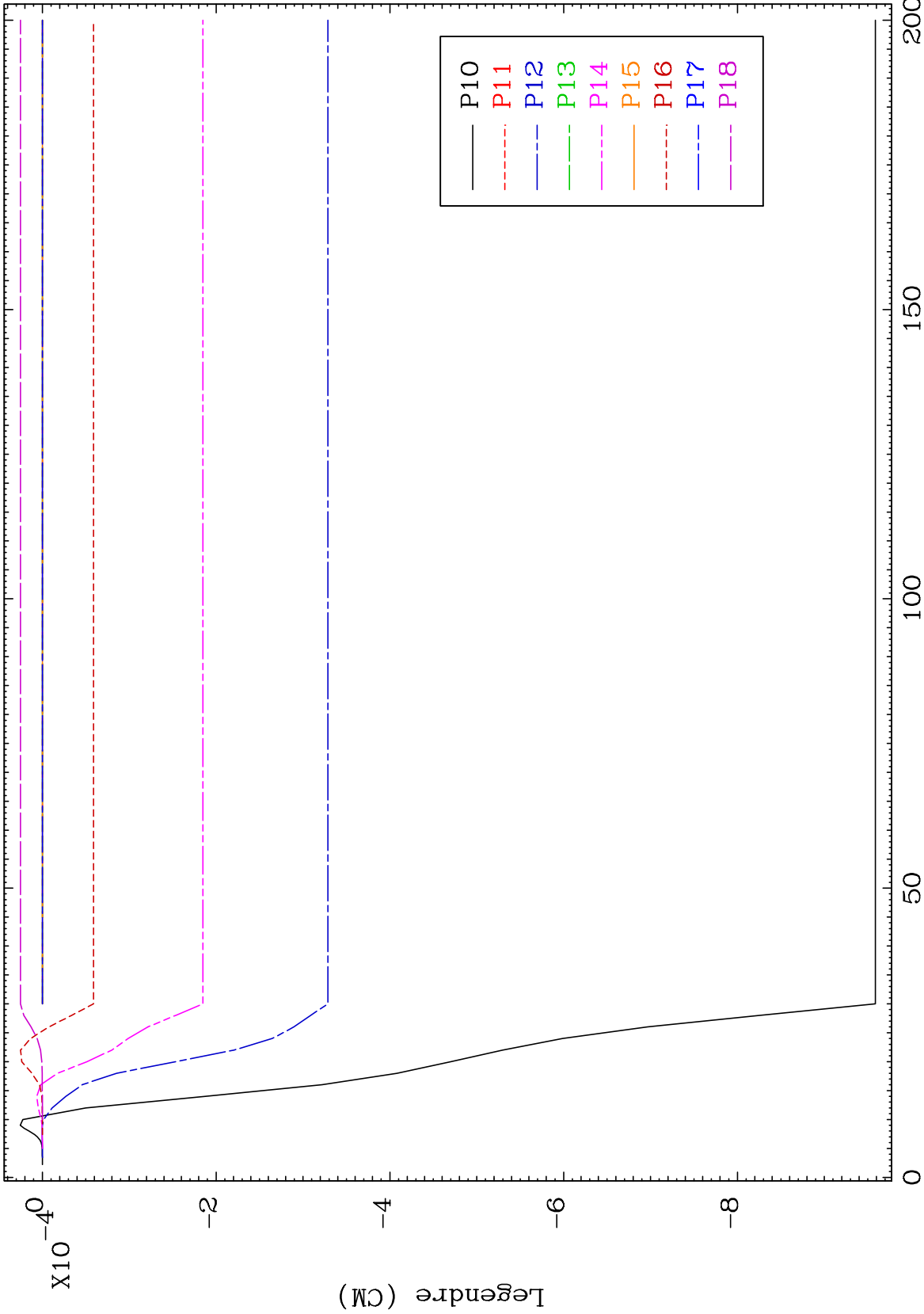
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



81

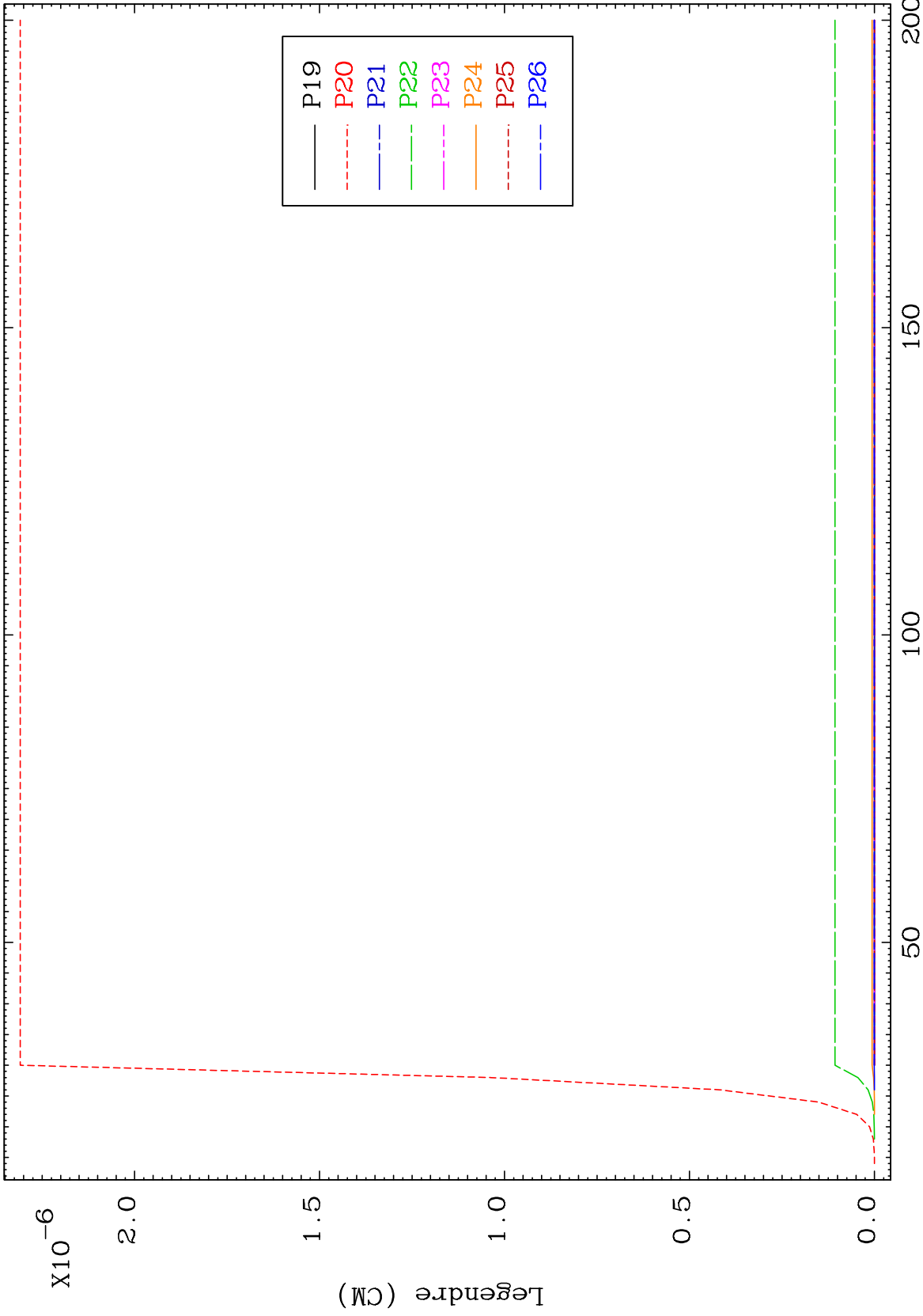
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



82

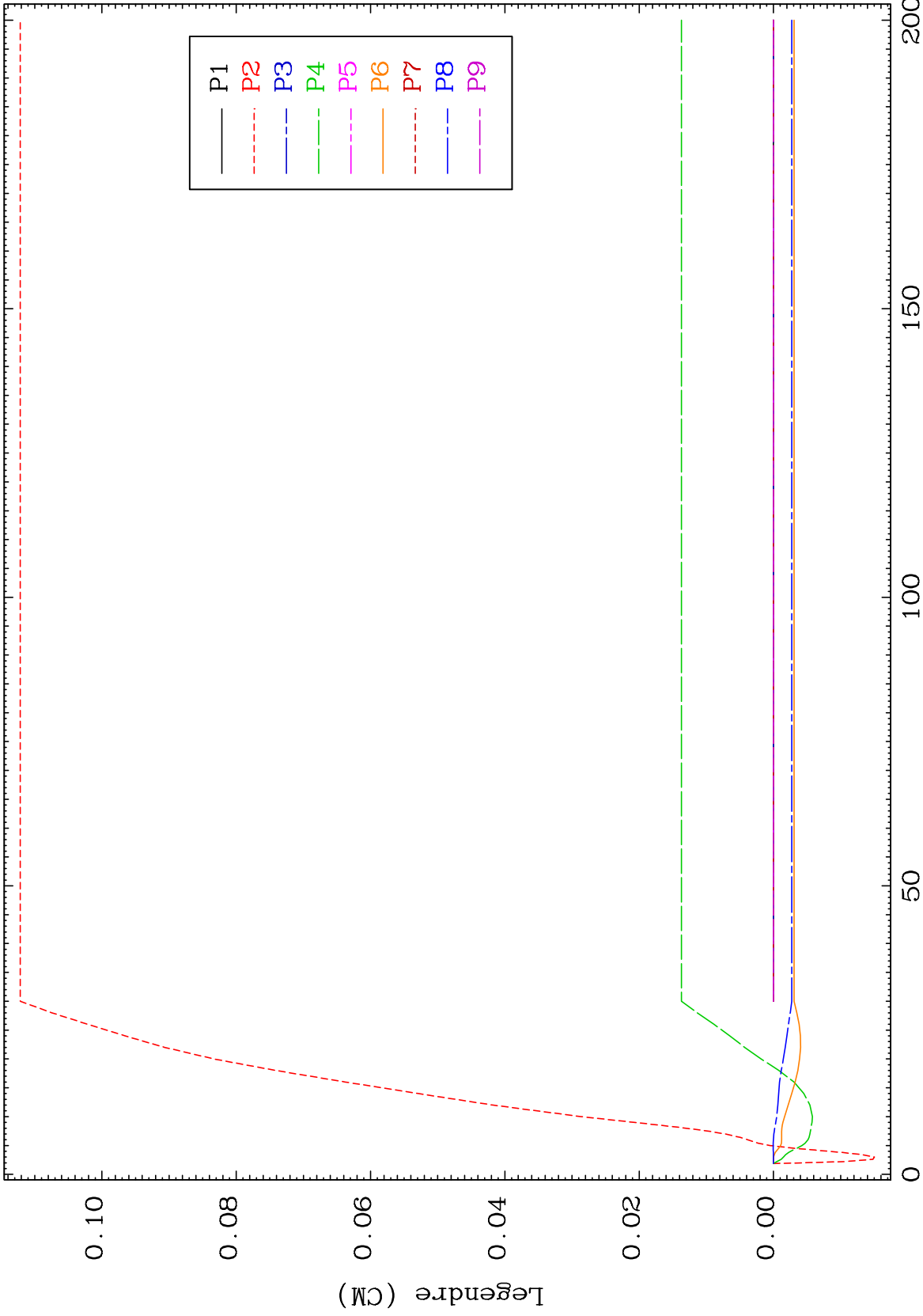
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



83

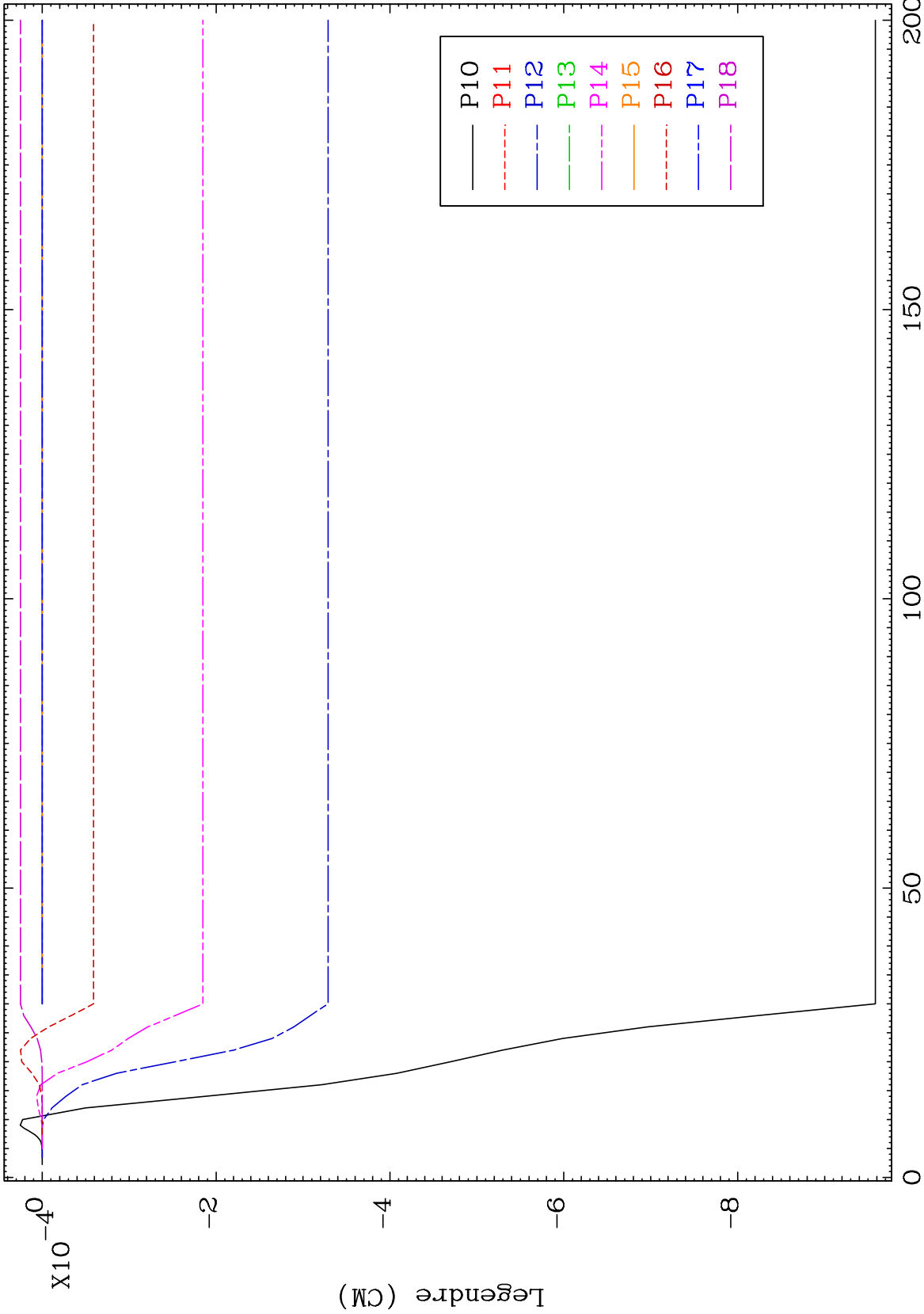
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



84

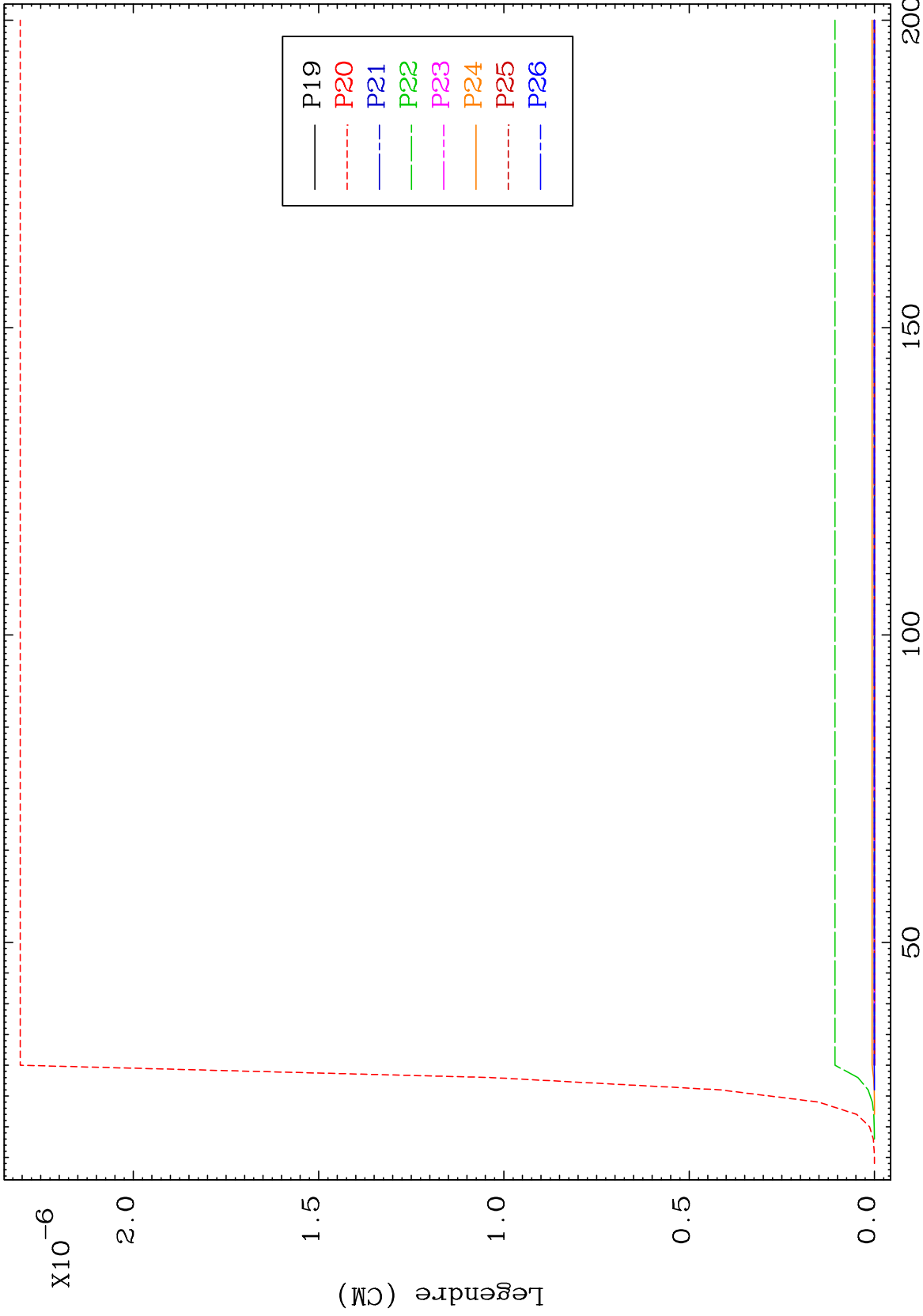
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



85

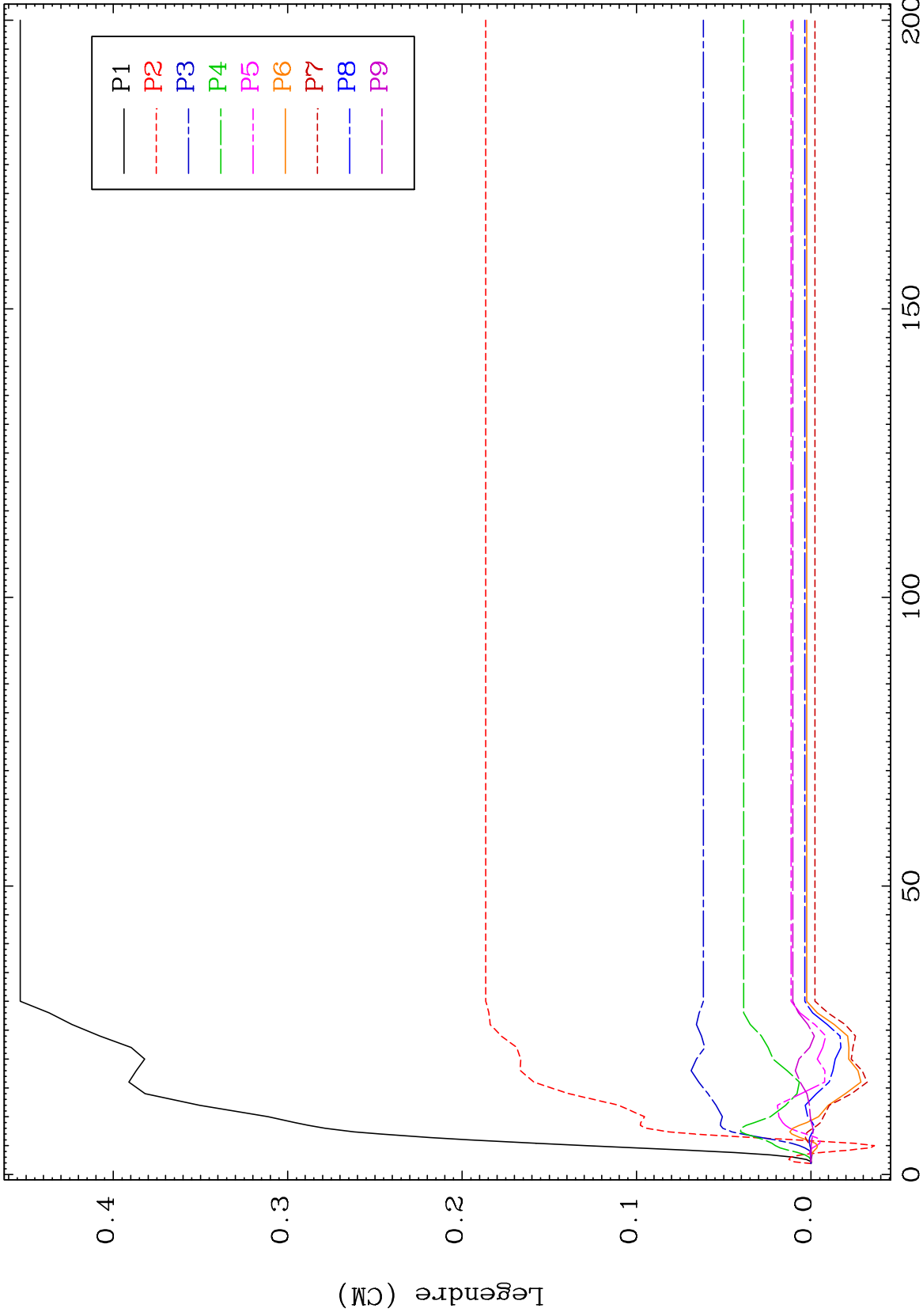
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



86

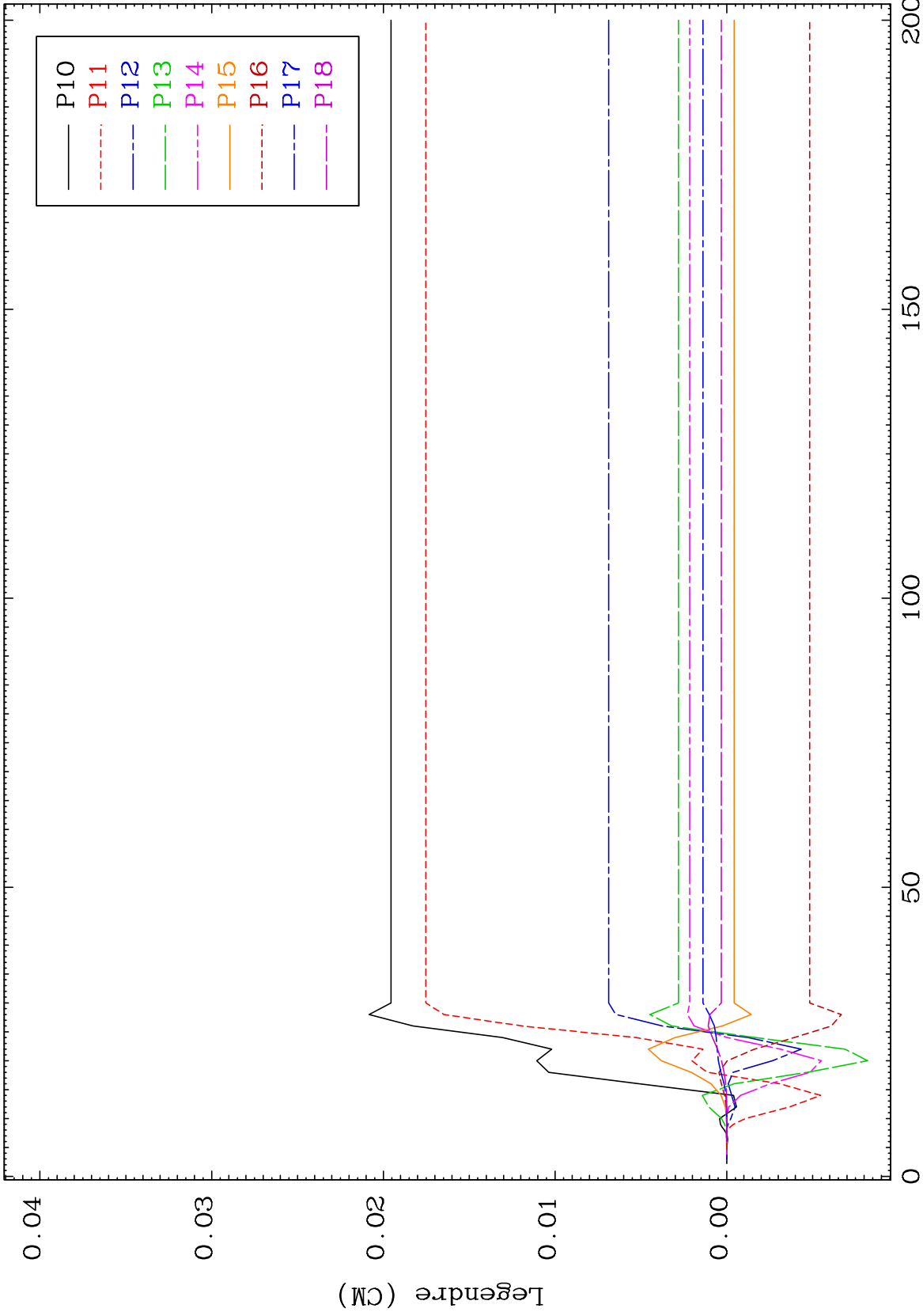
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



87

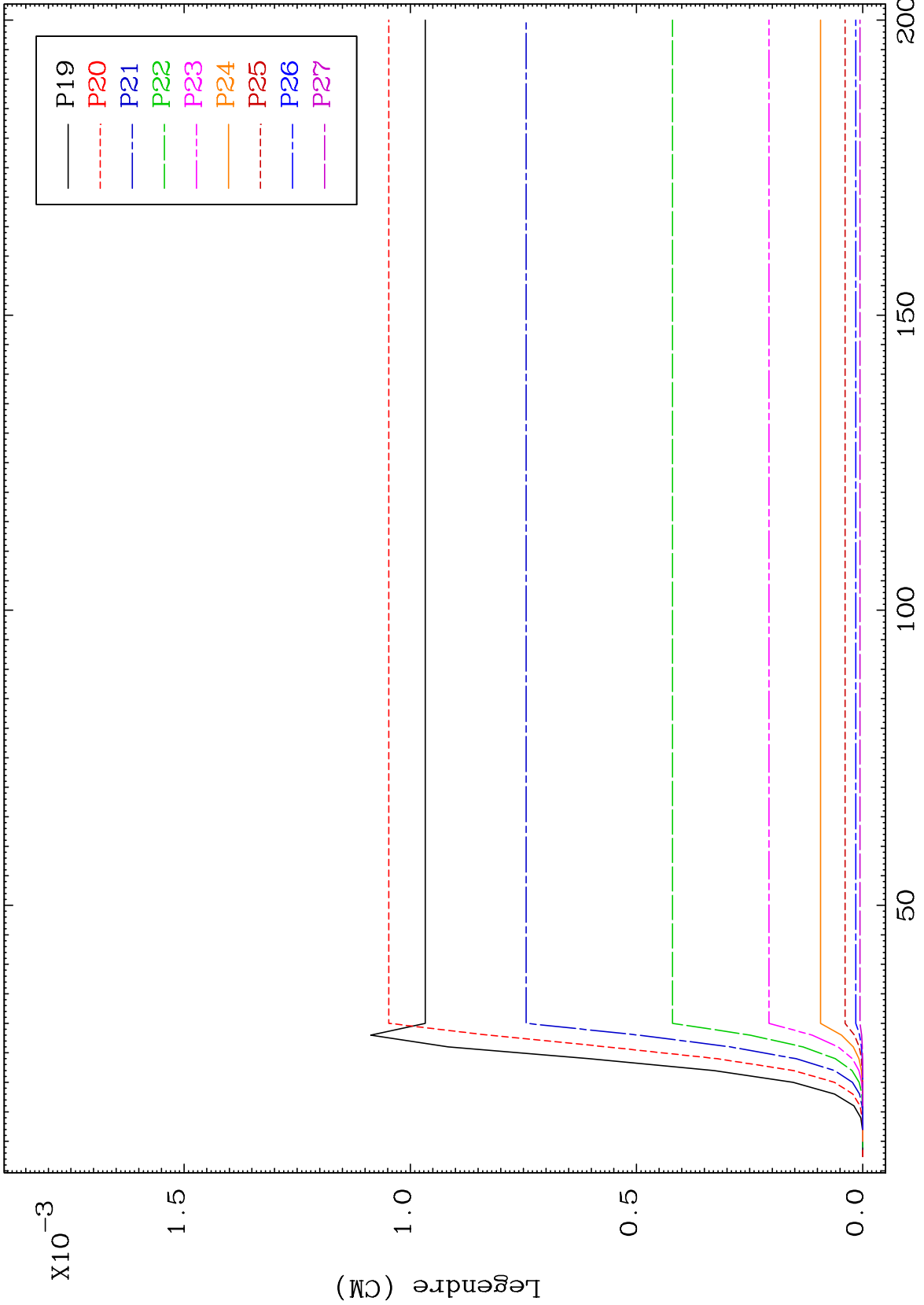
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



88

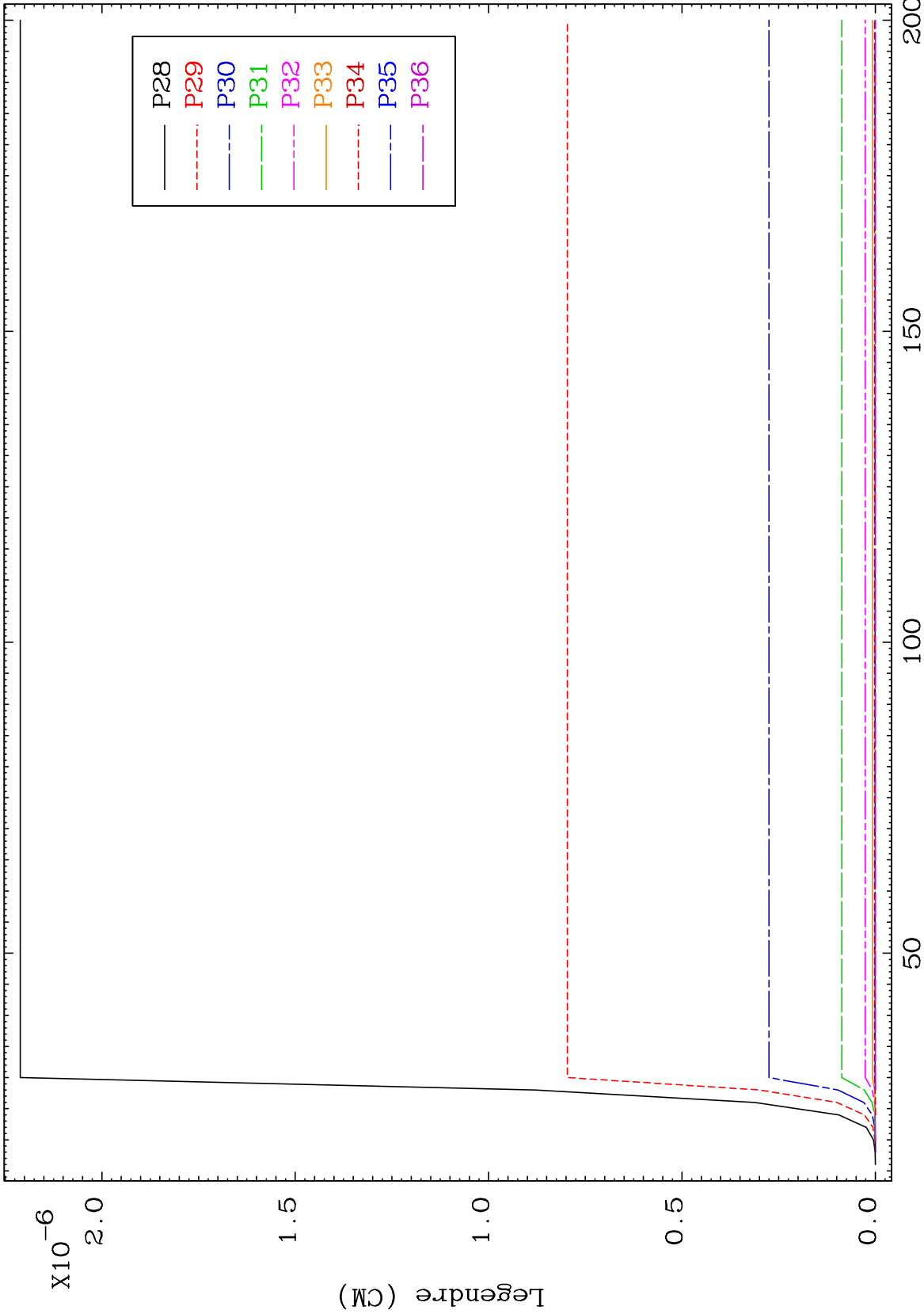
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



89

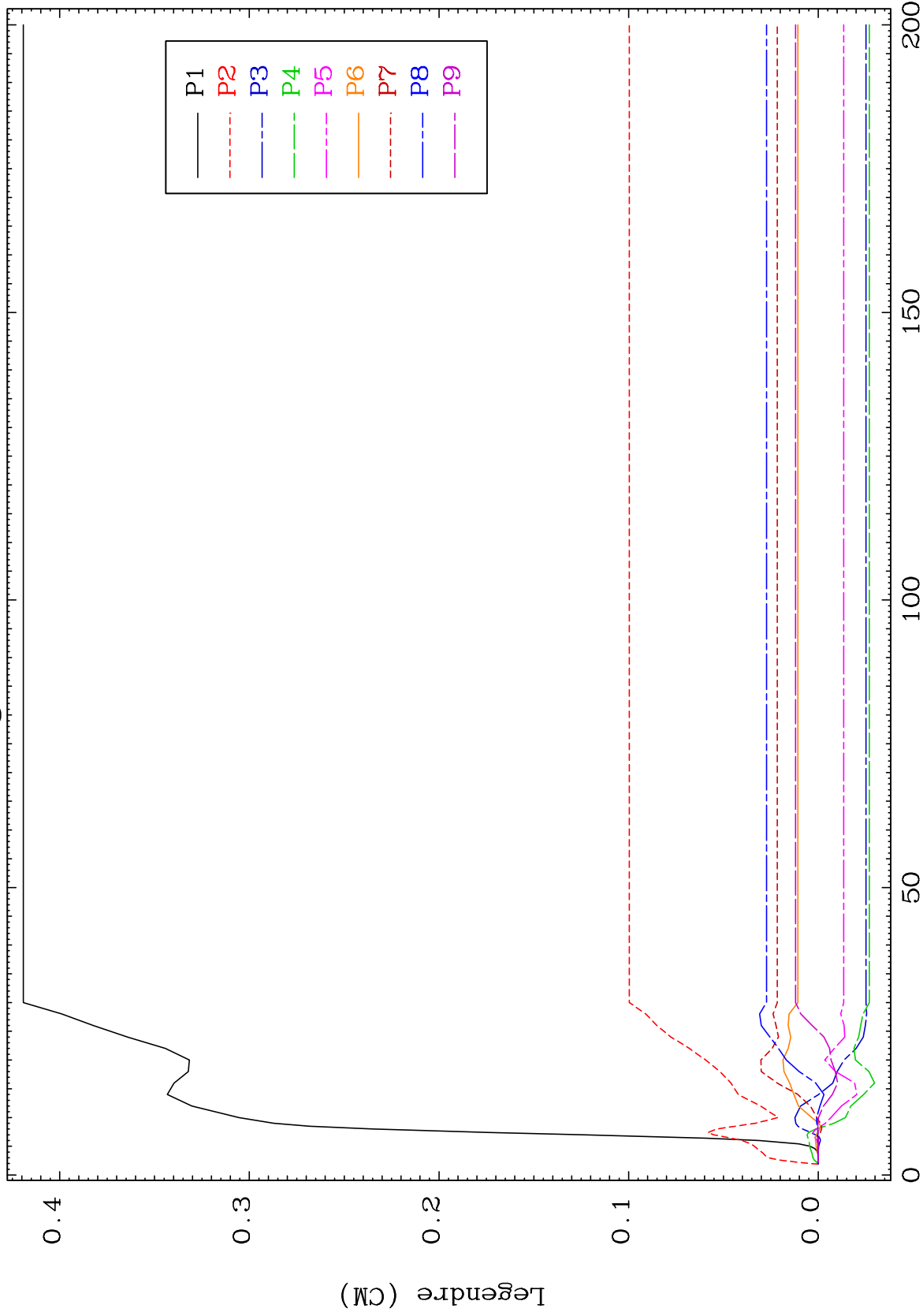
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



90

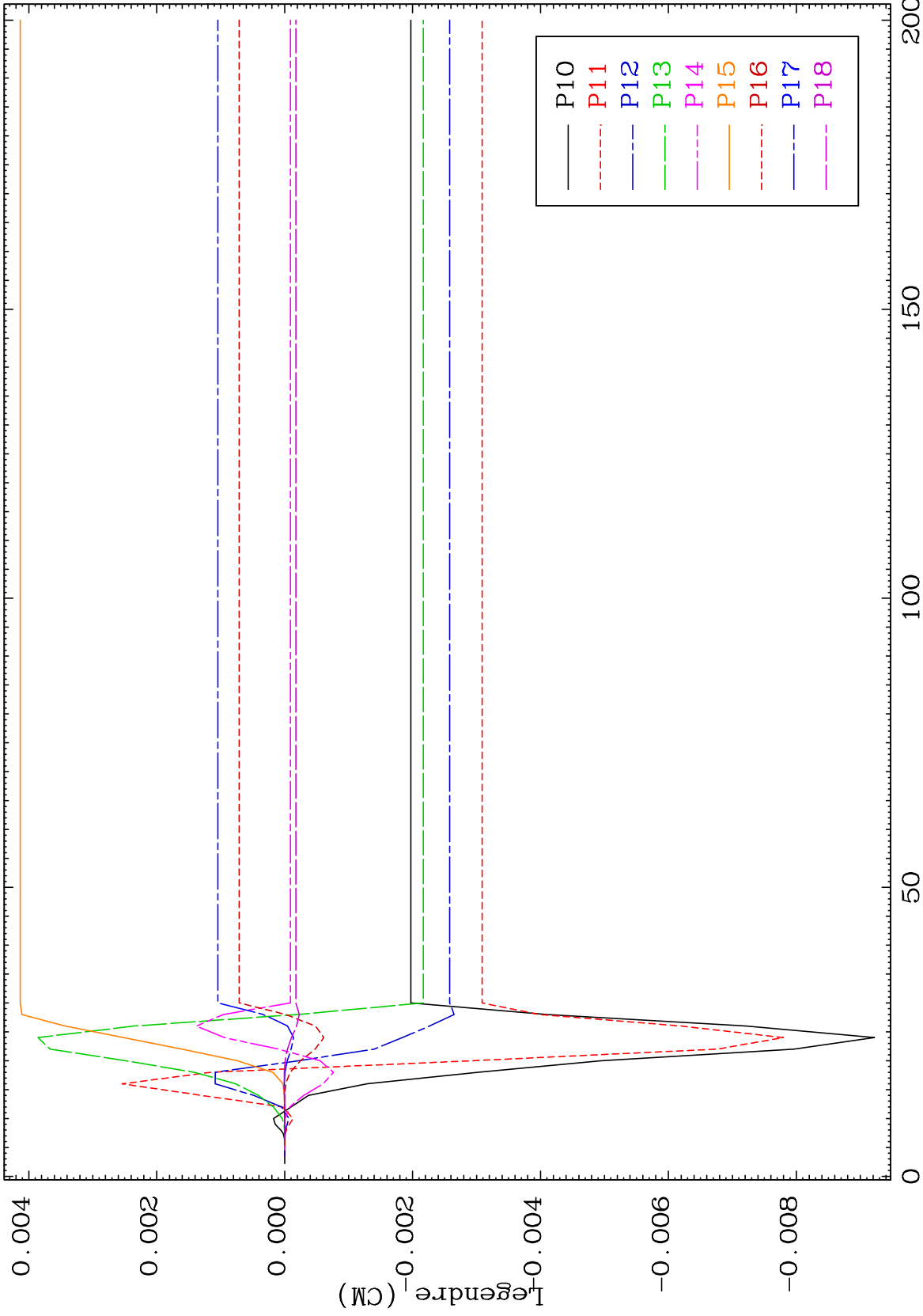
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



91

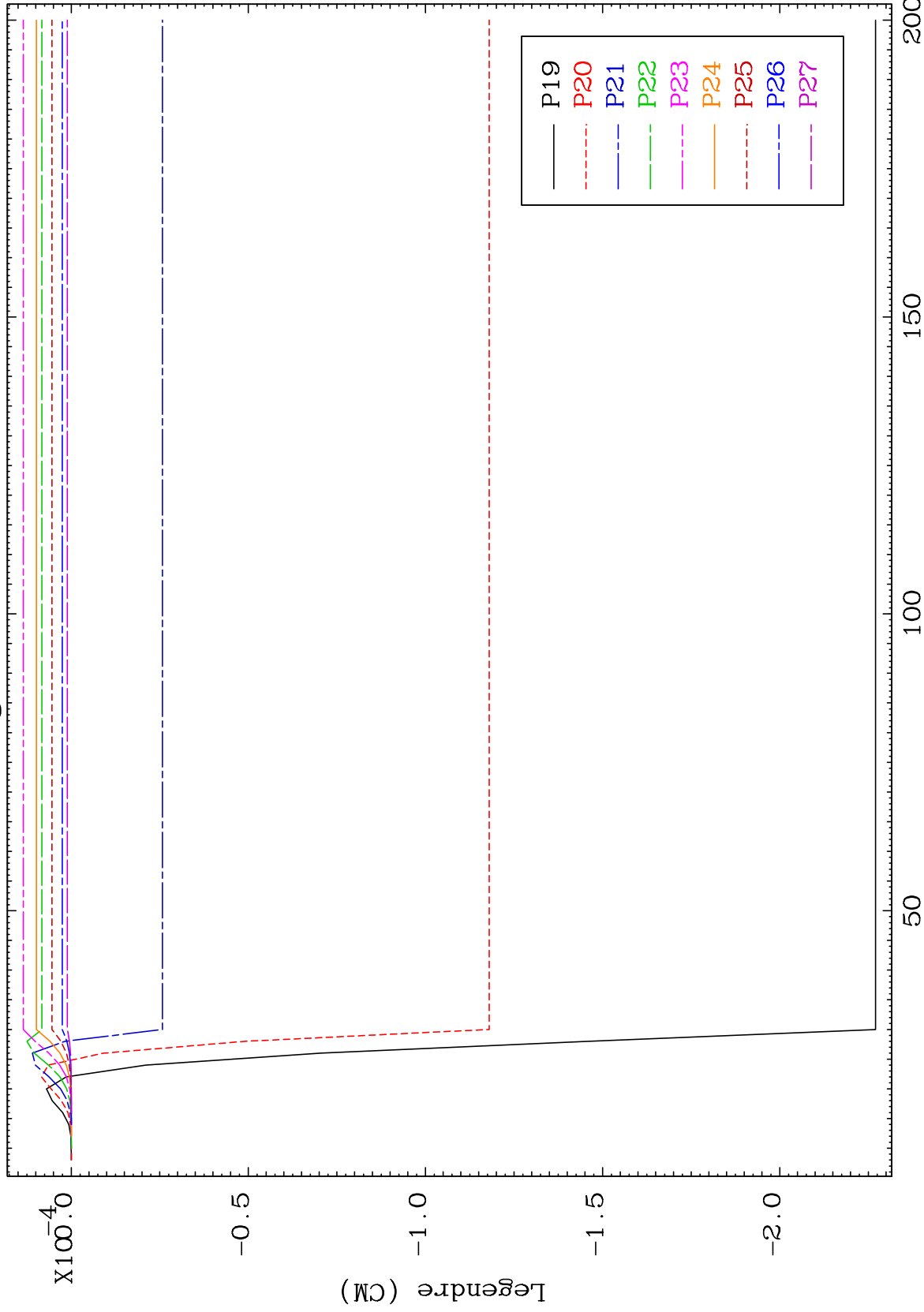
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



92

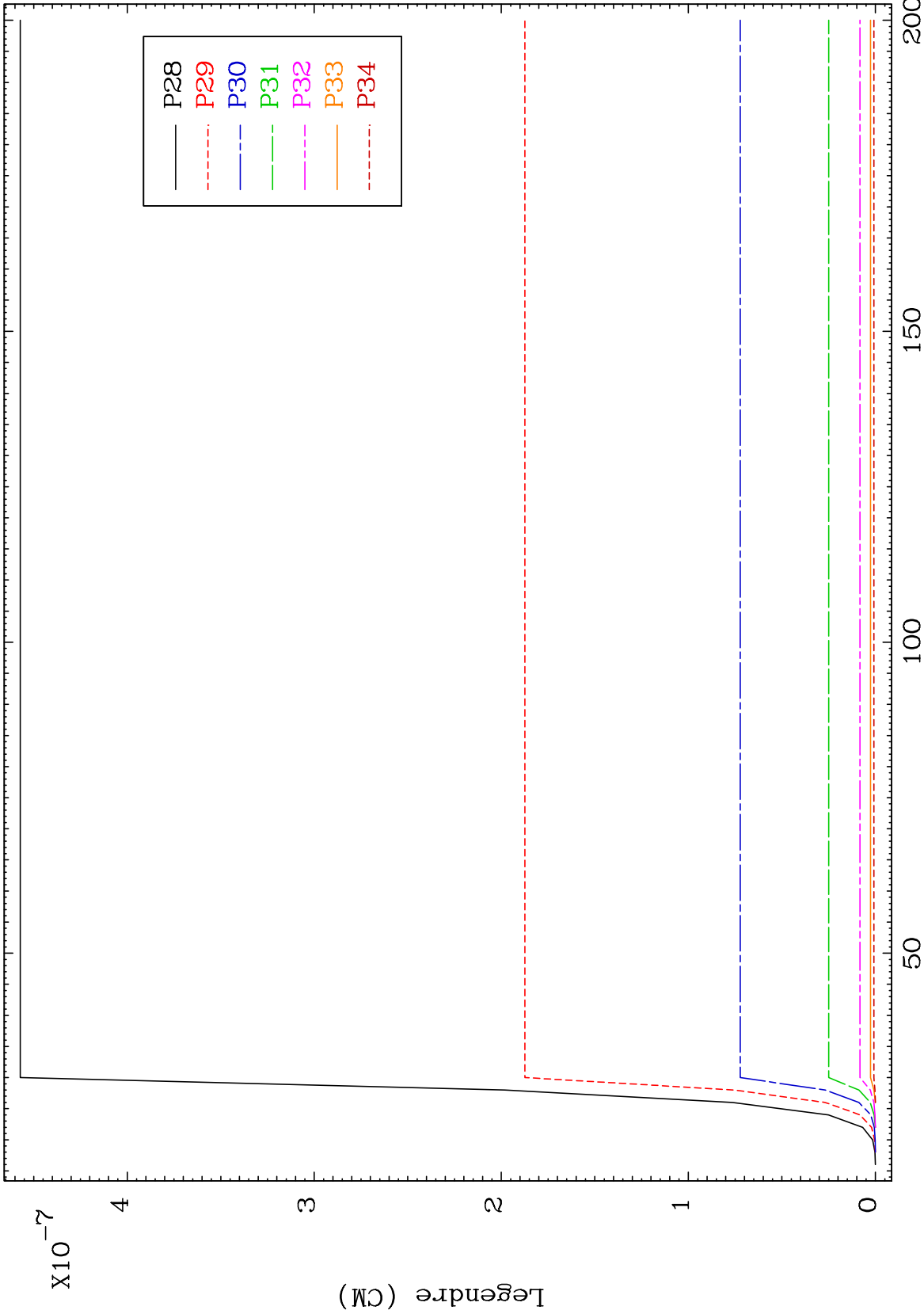
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



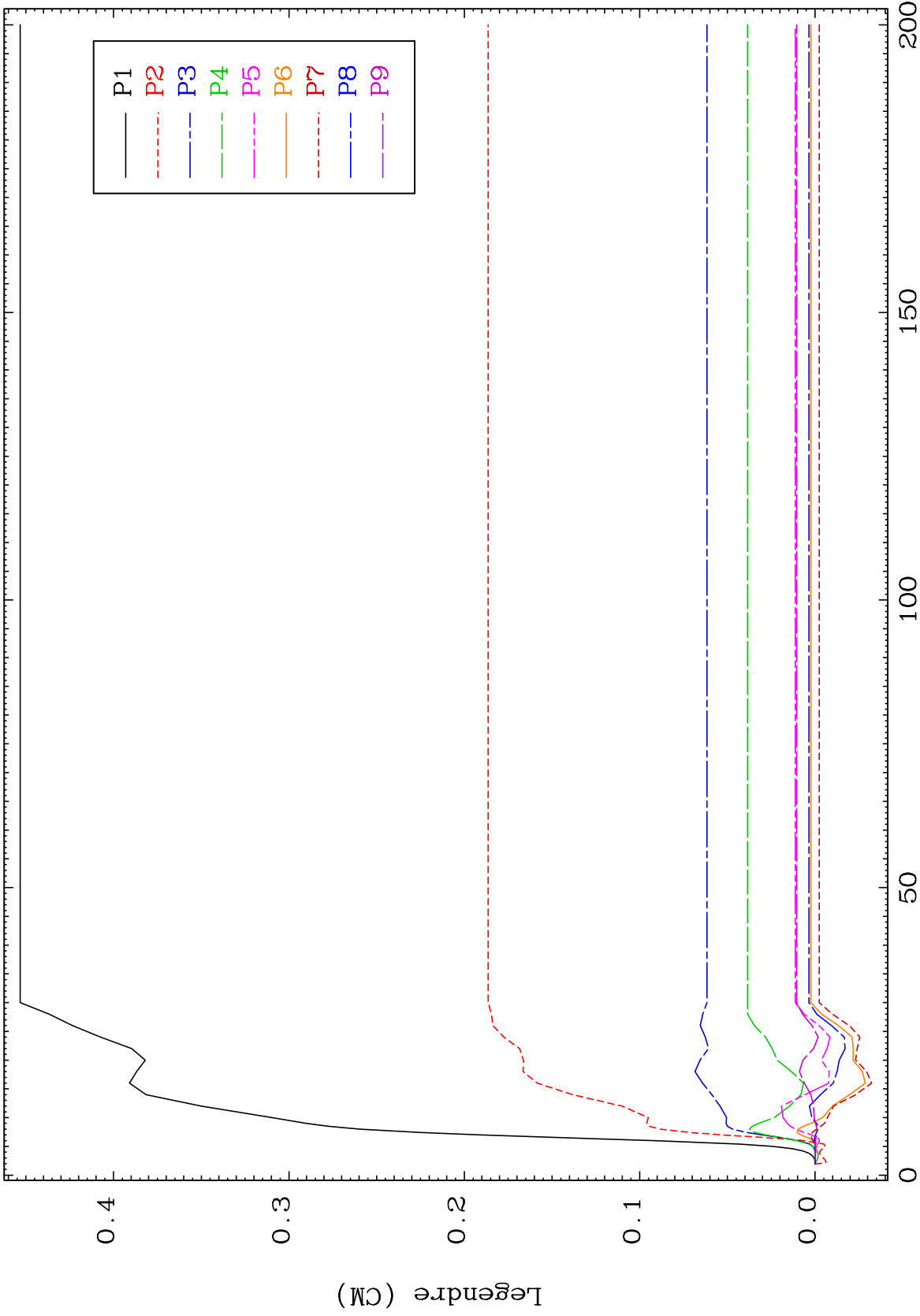
93

54-Xe-137

MAT 5464

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

54-Xe-137



94

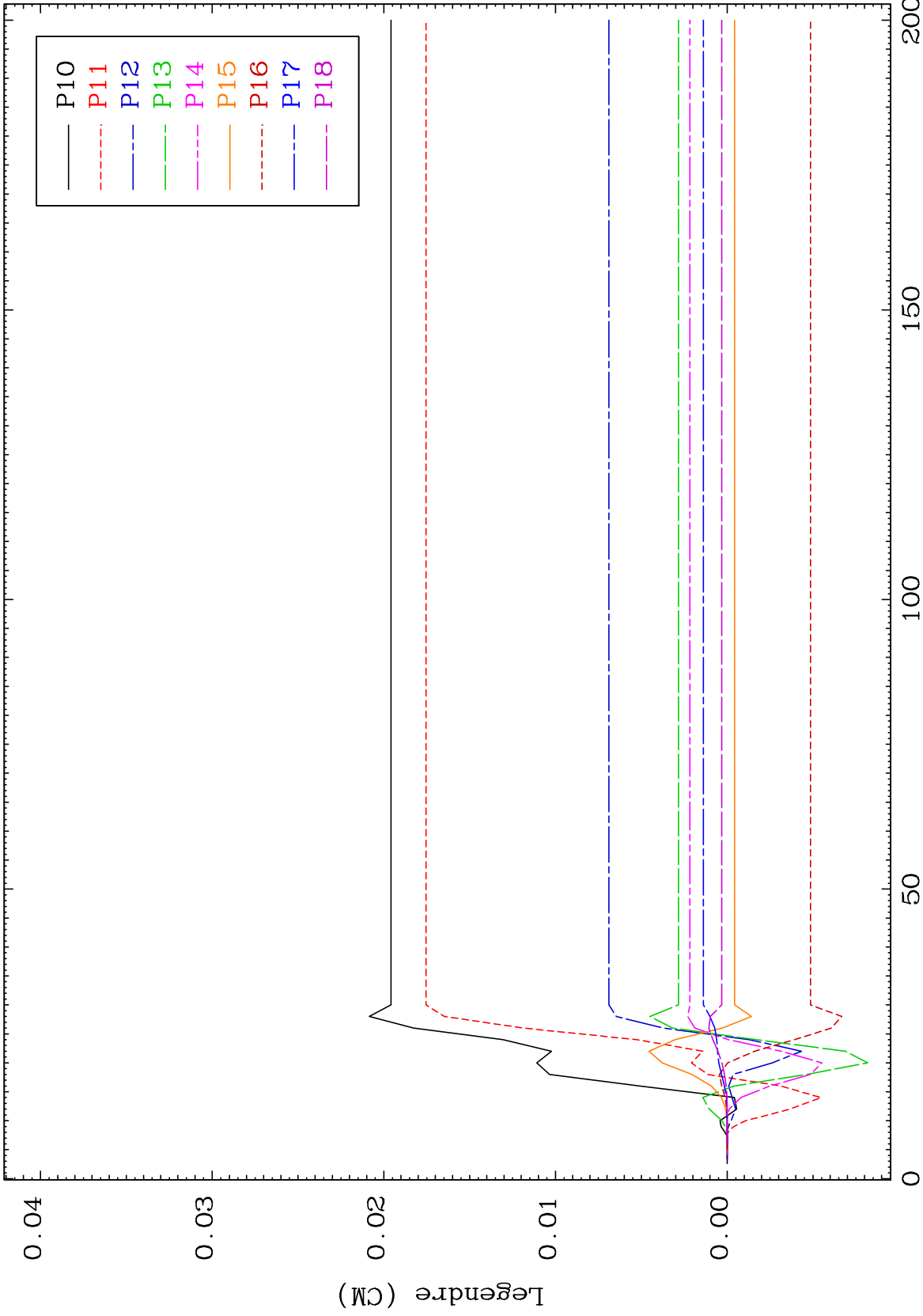
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



95

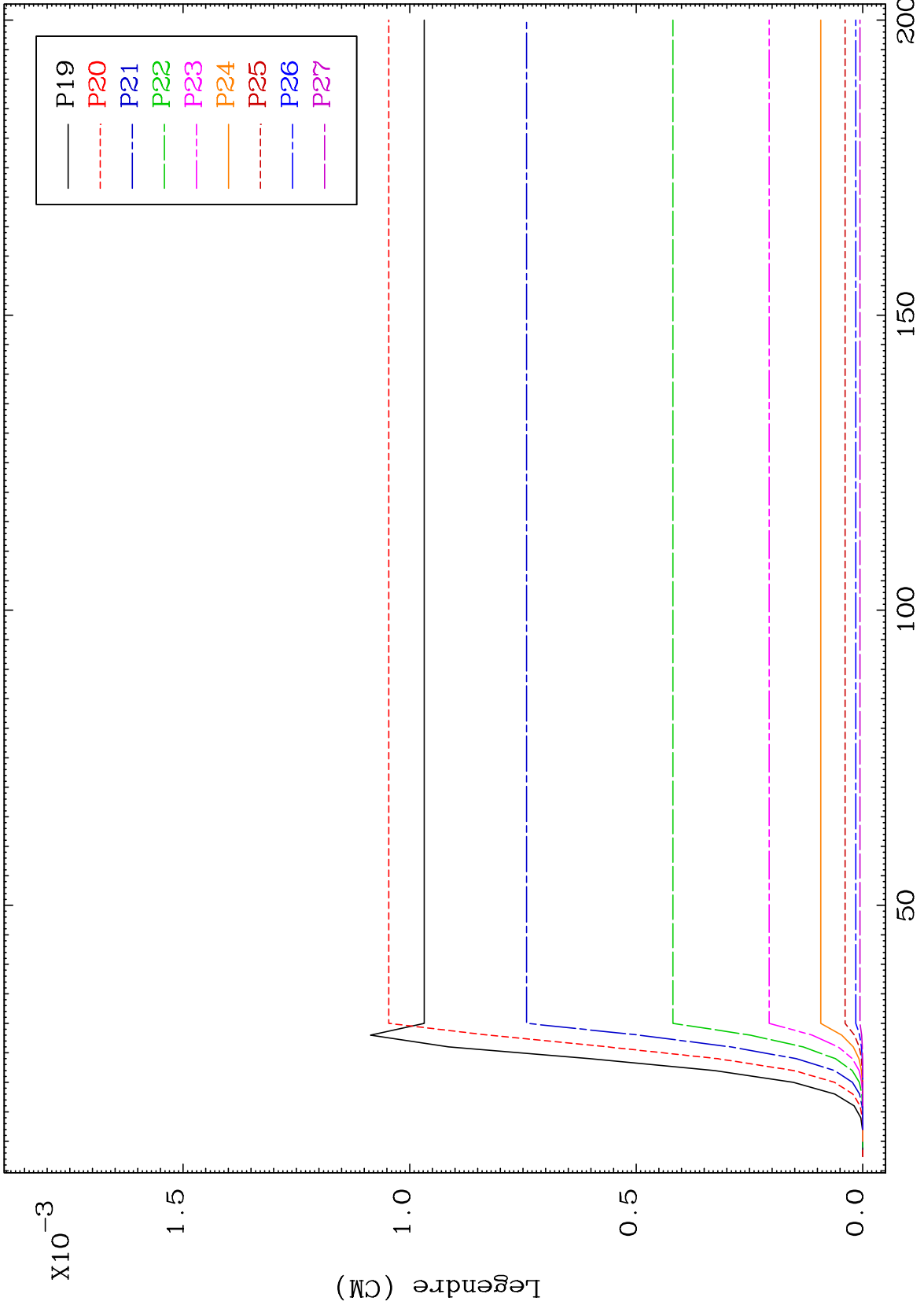
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



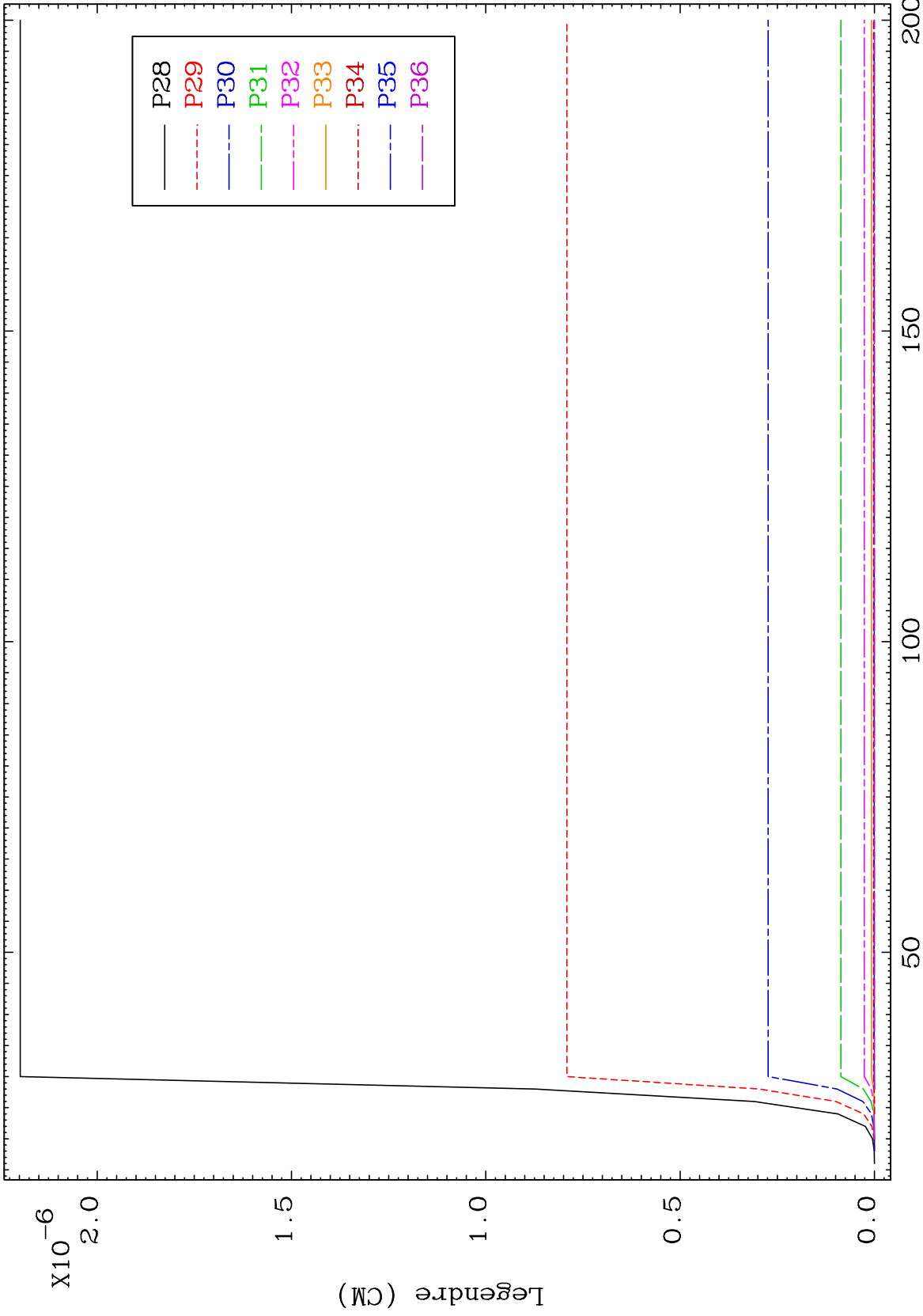
96

54-Xe-137

MAT 5464

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

54-Xe-137



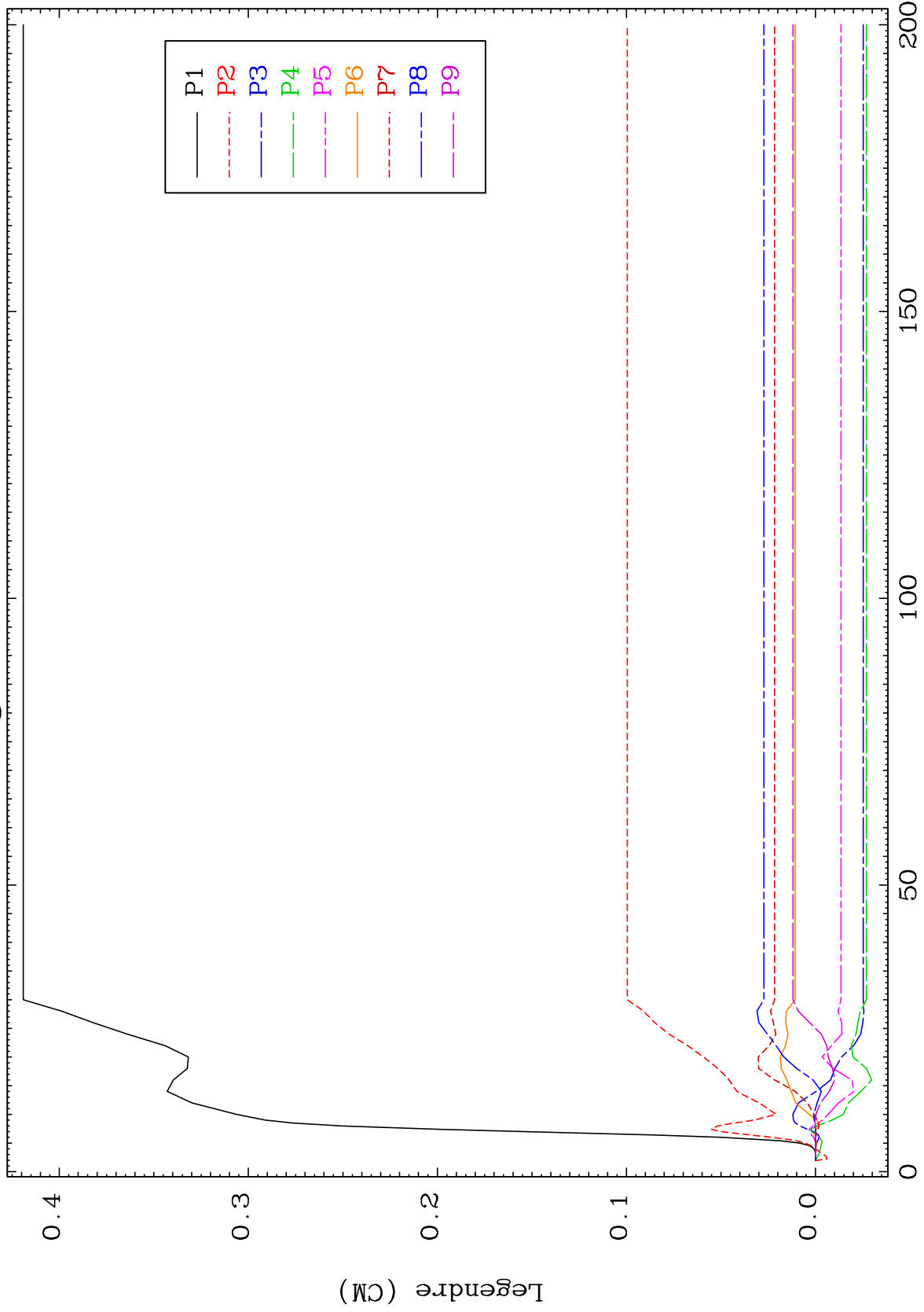
97

54-Xe-137

MAT 5464

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

54-Xe-137



98

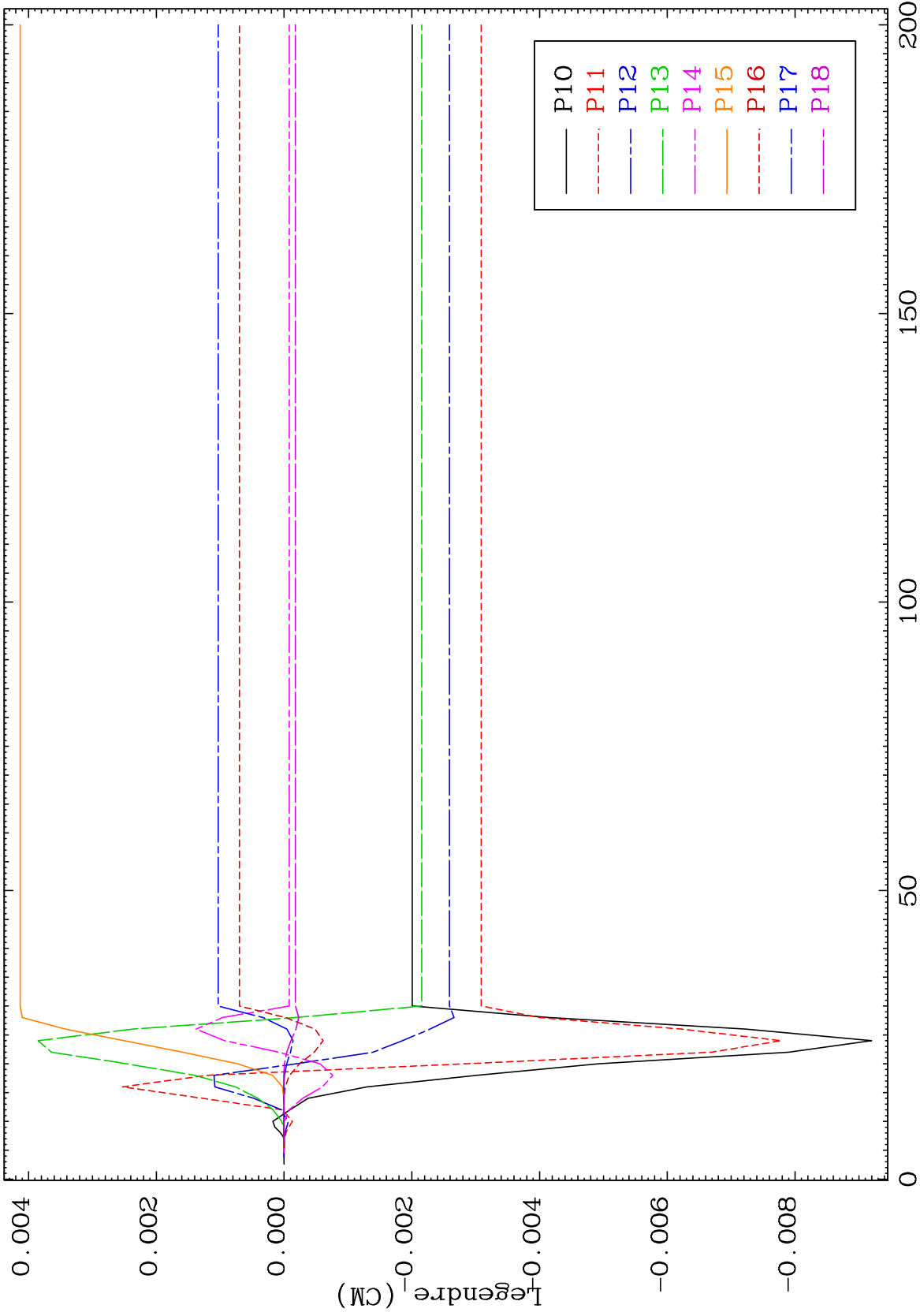
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



99

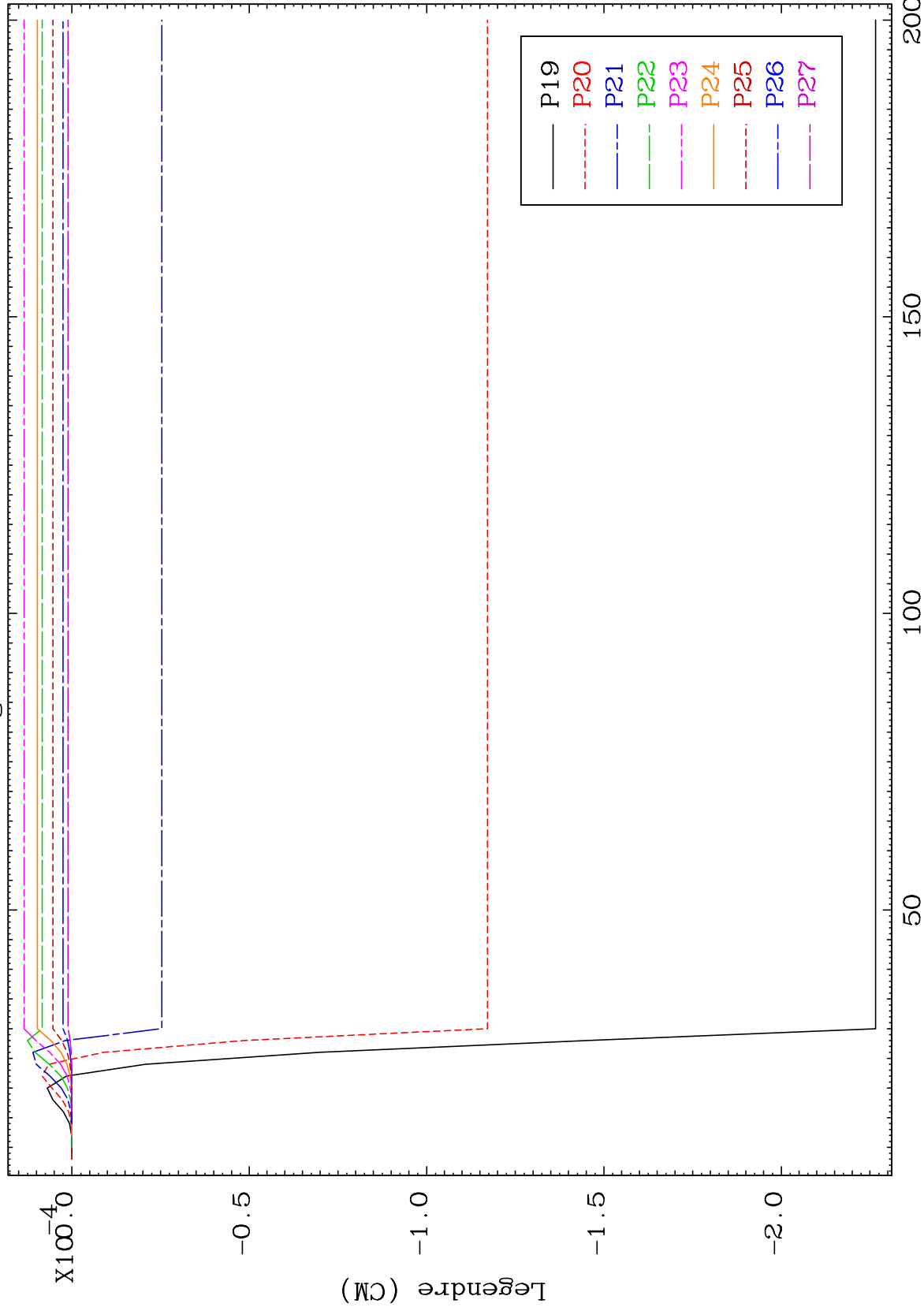
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



100

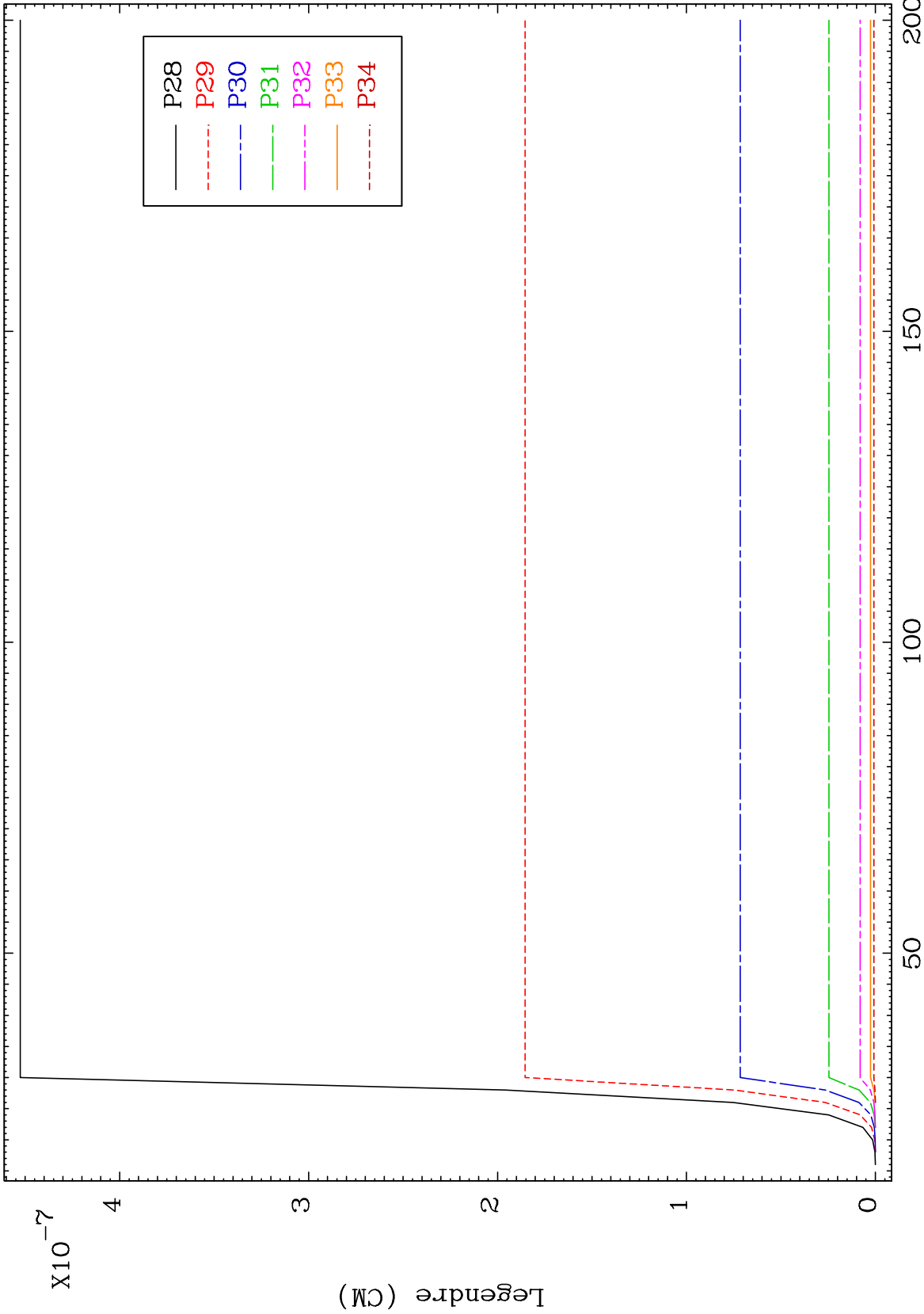
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



101

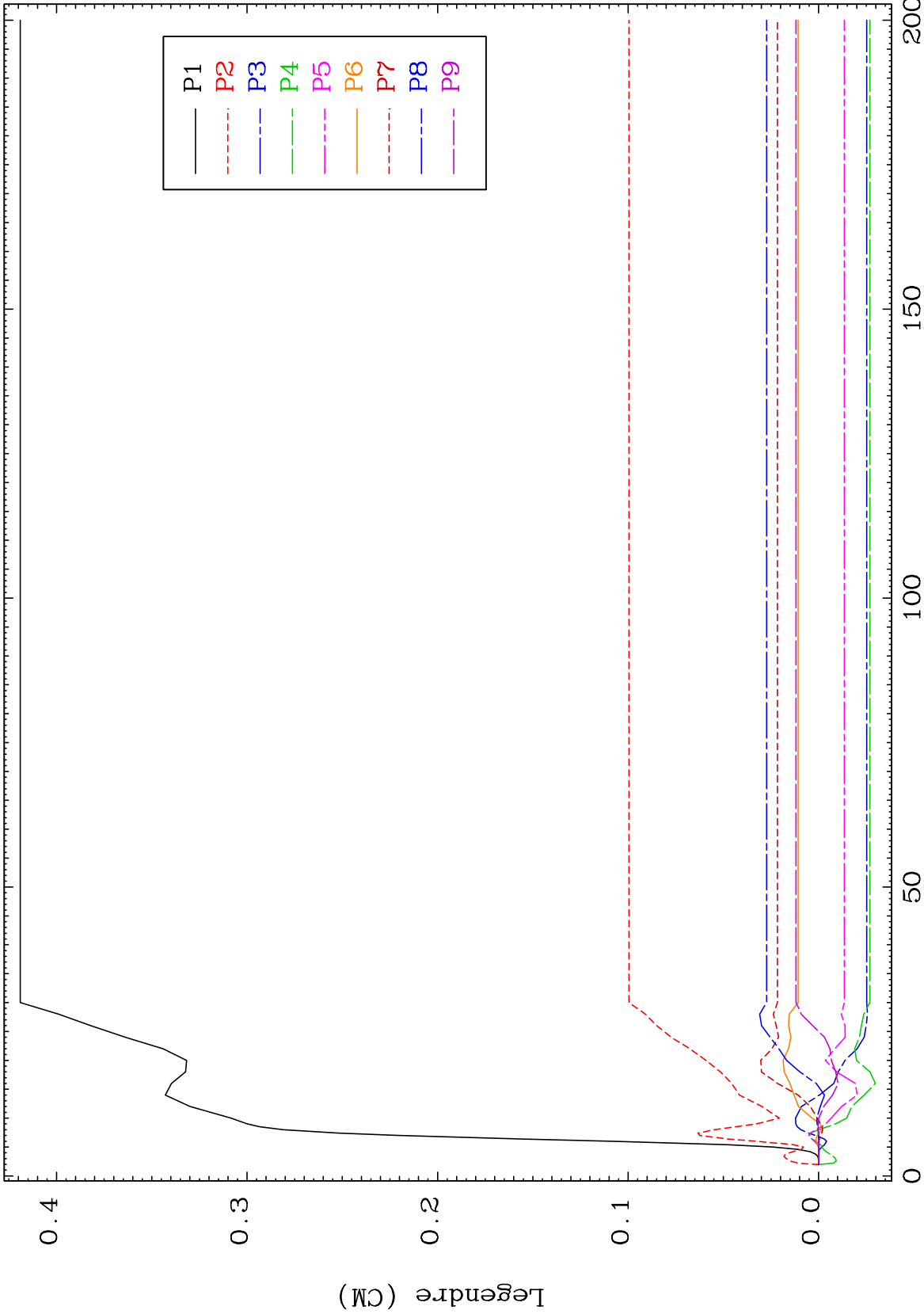
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



54-Xe-137

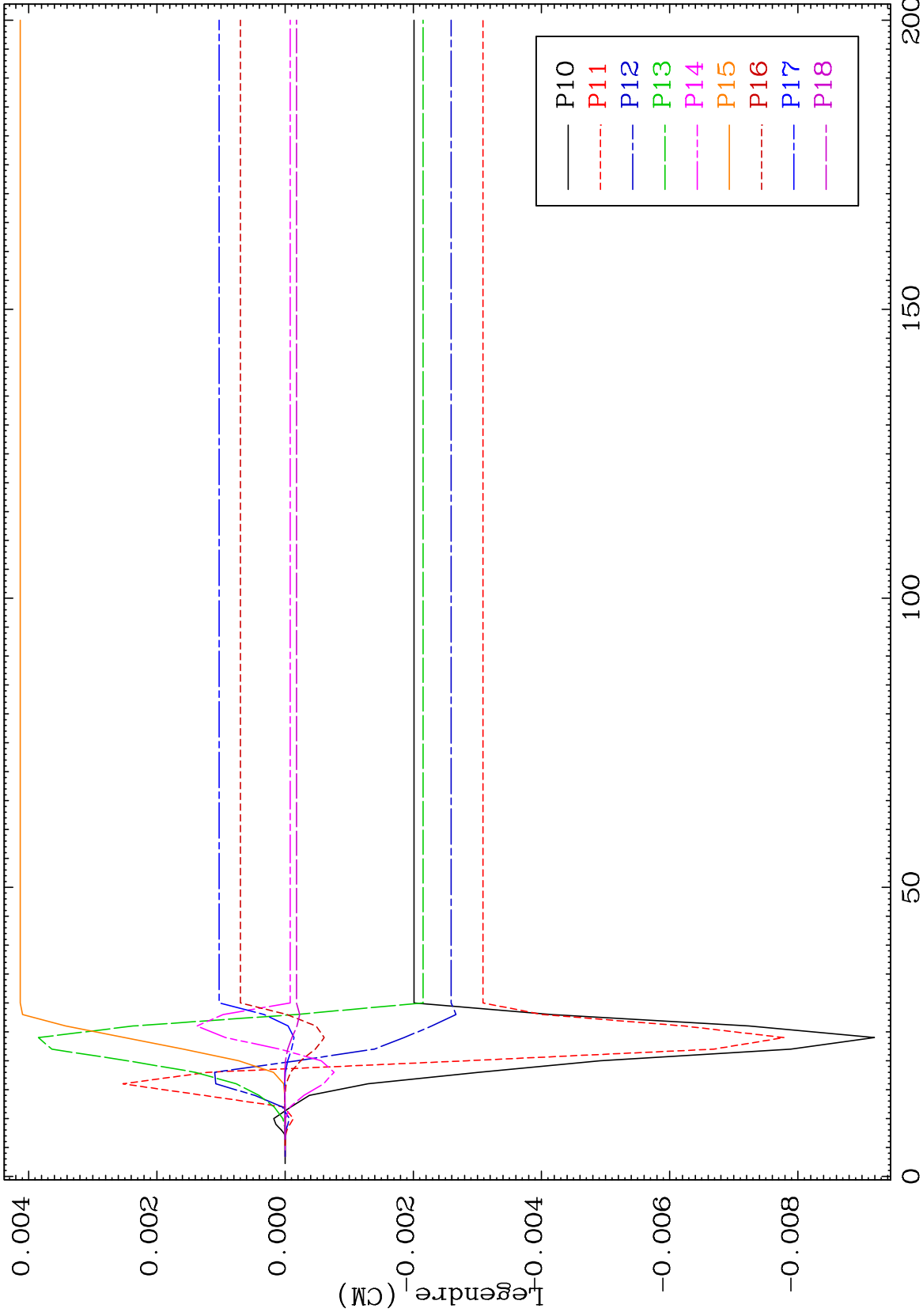
Incident Energy (MeV)

102

MAT 5464

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

54-Xe-137



103

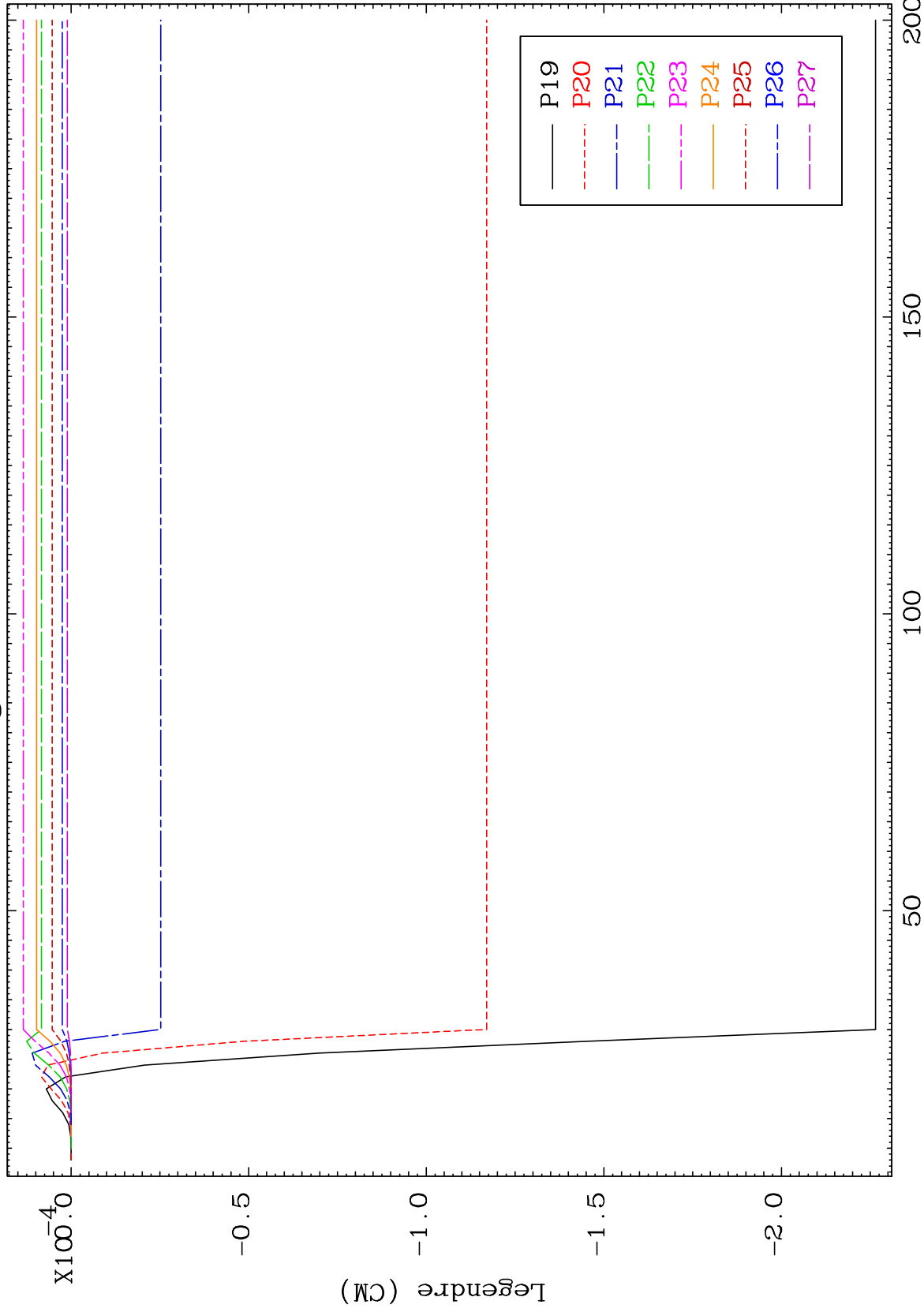
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



104

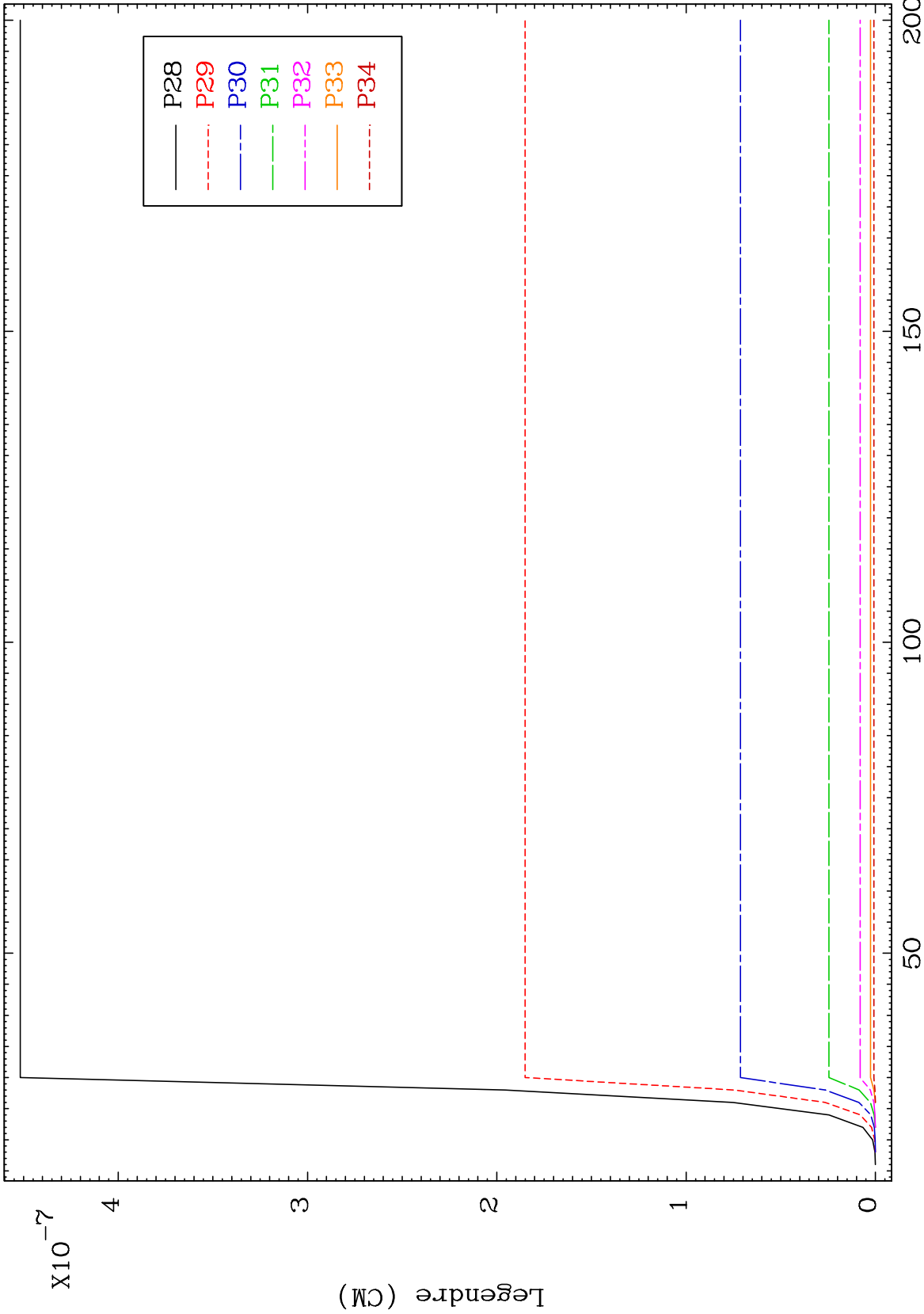
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



105

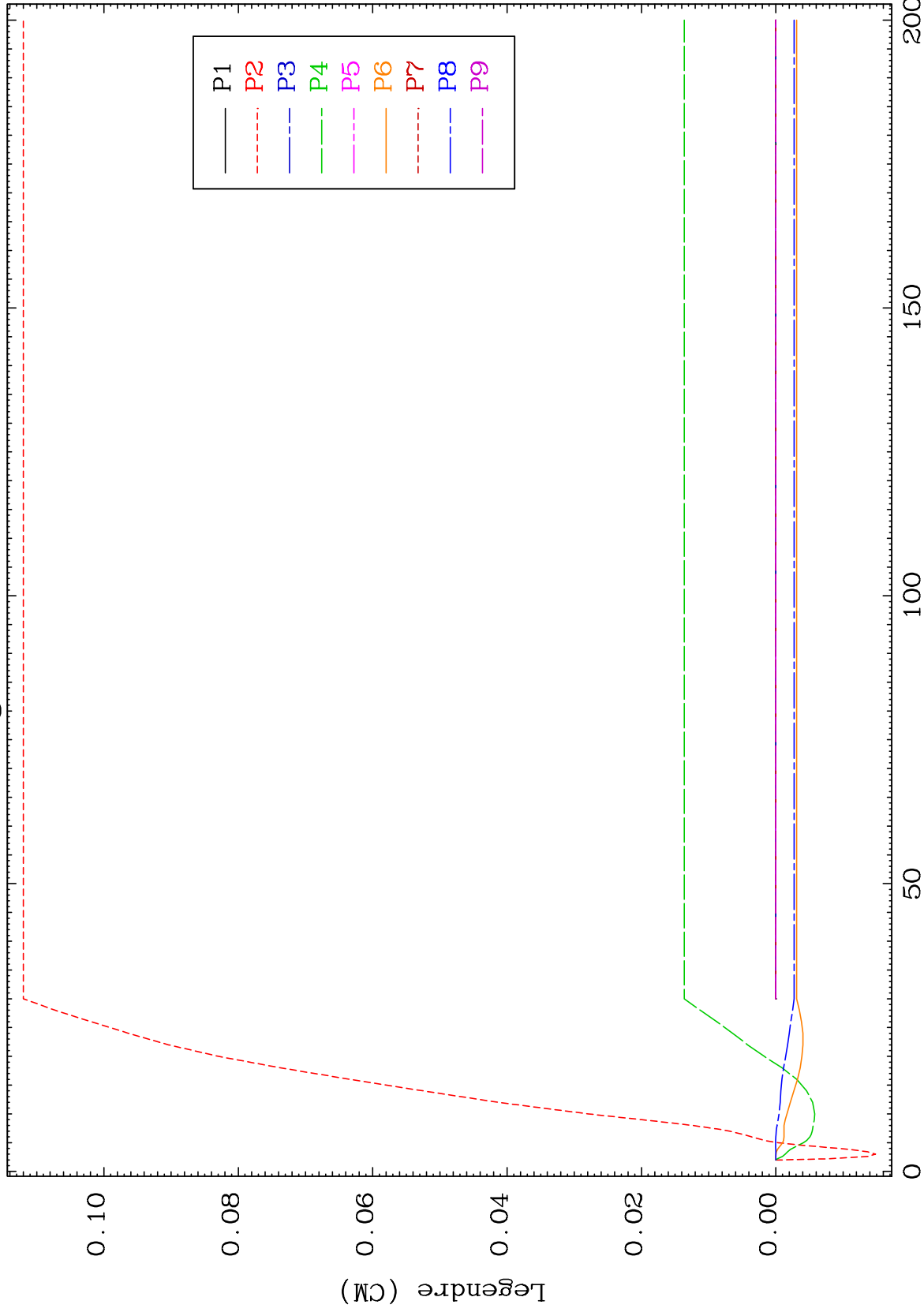
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



106

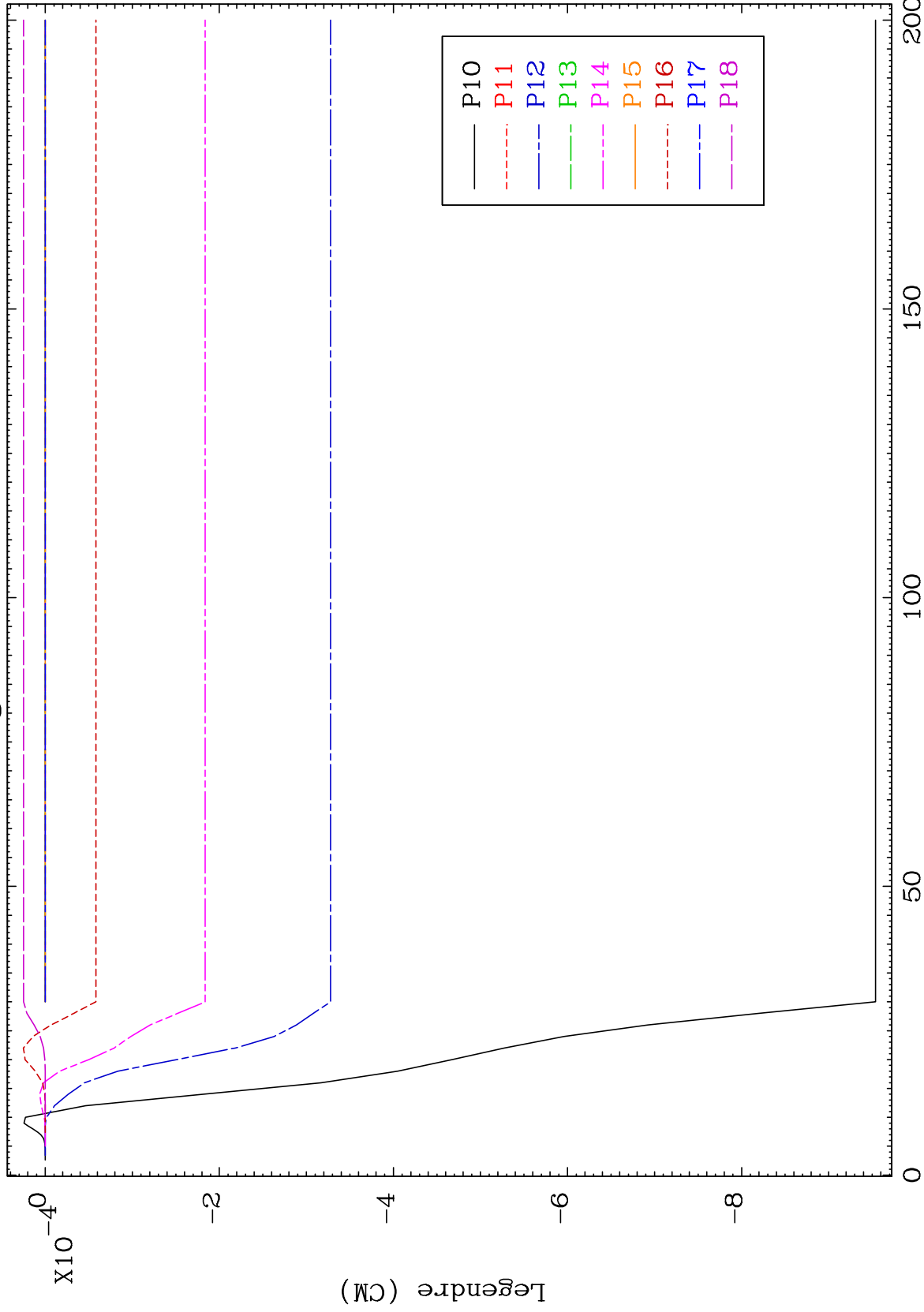
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



107

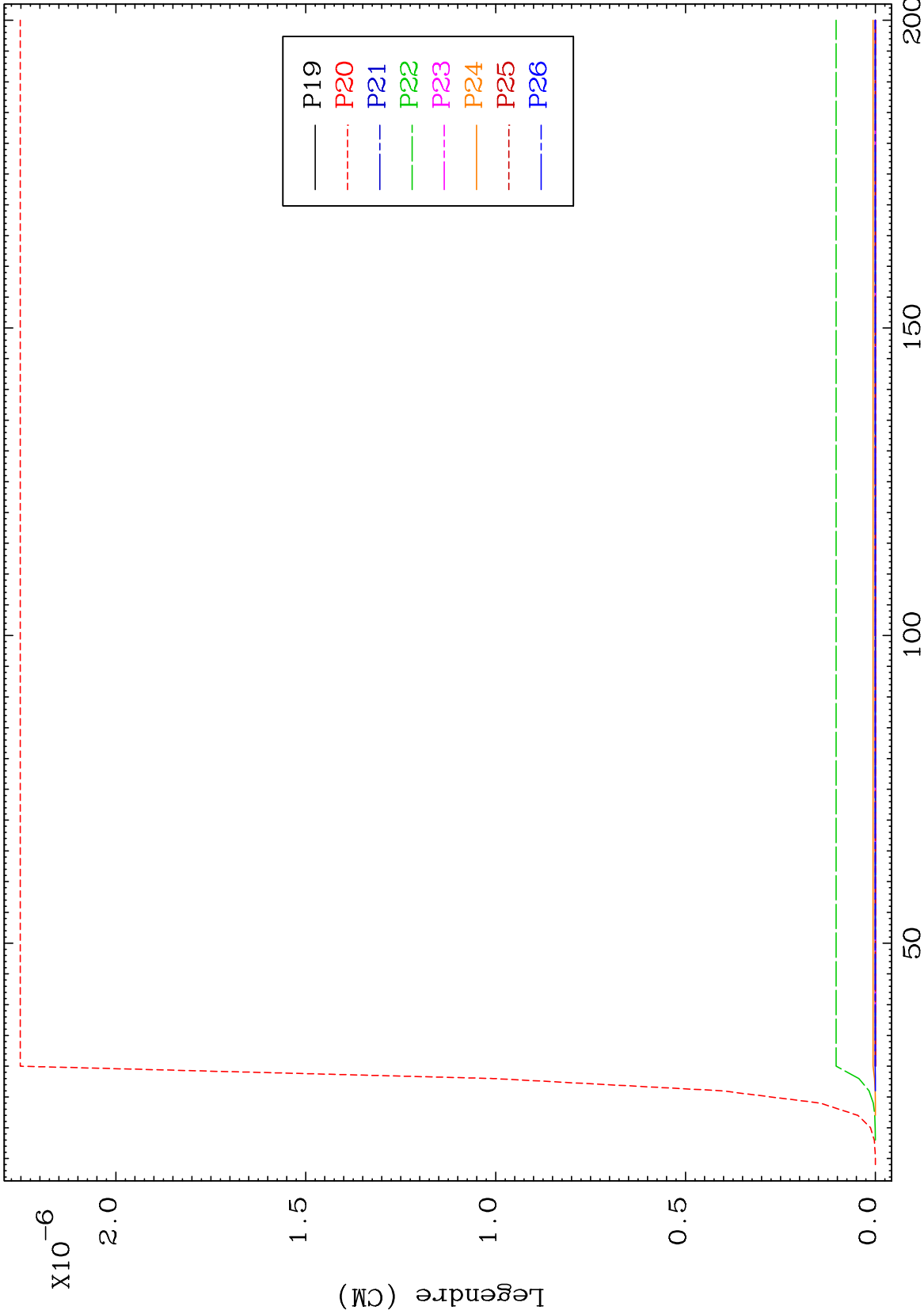
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



108

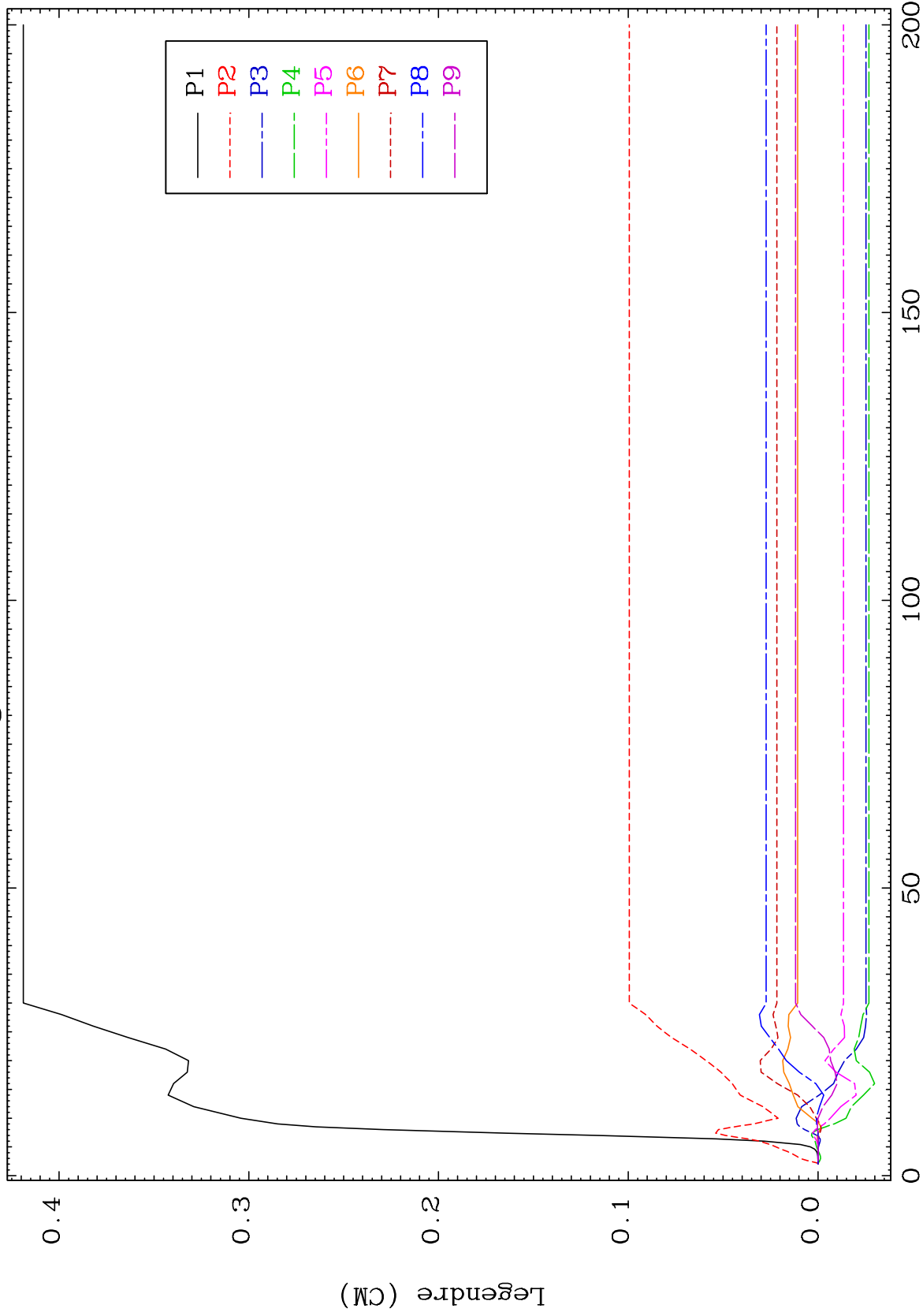
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



109

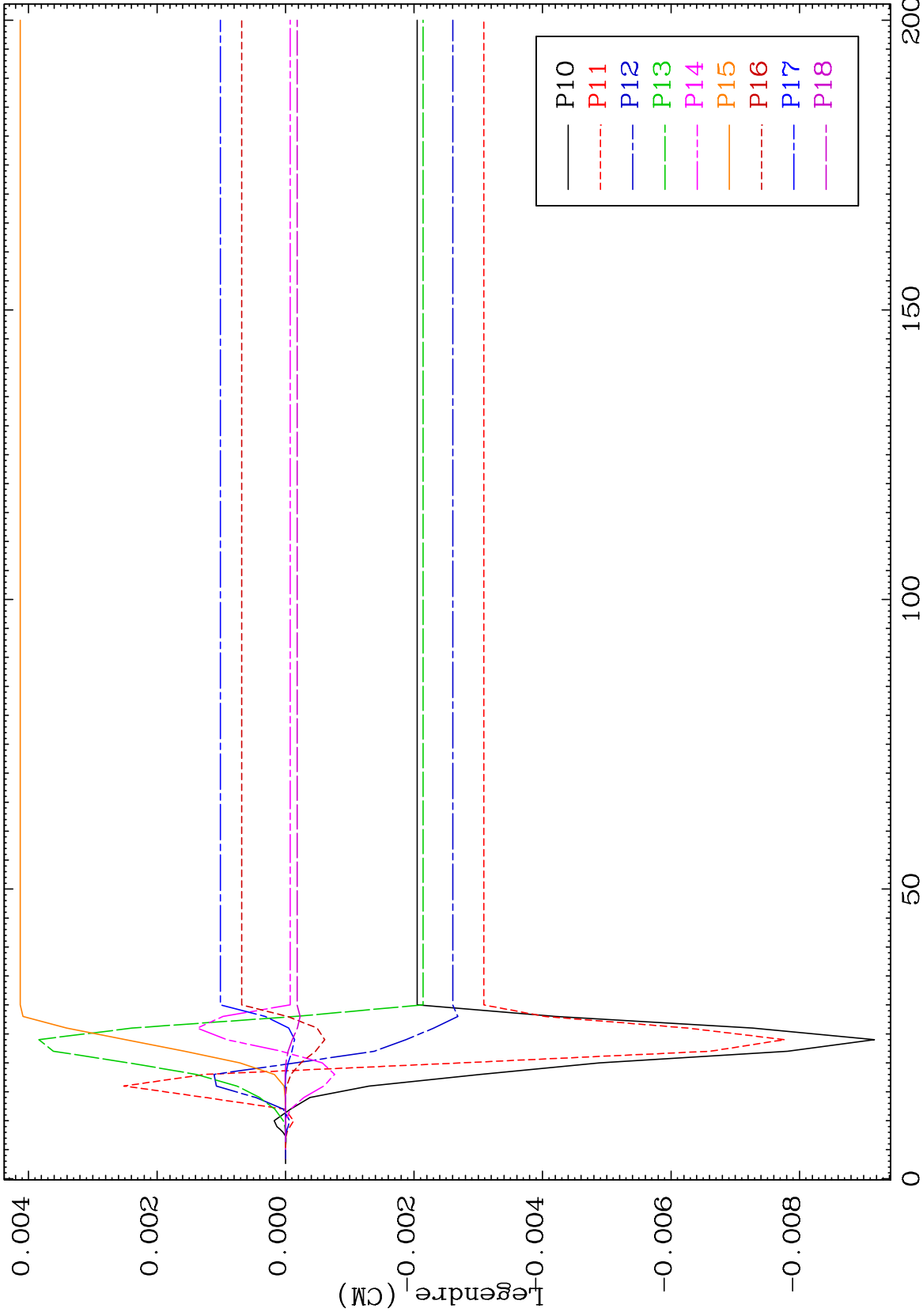
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



110

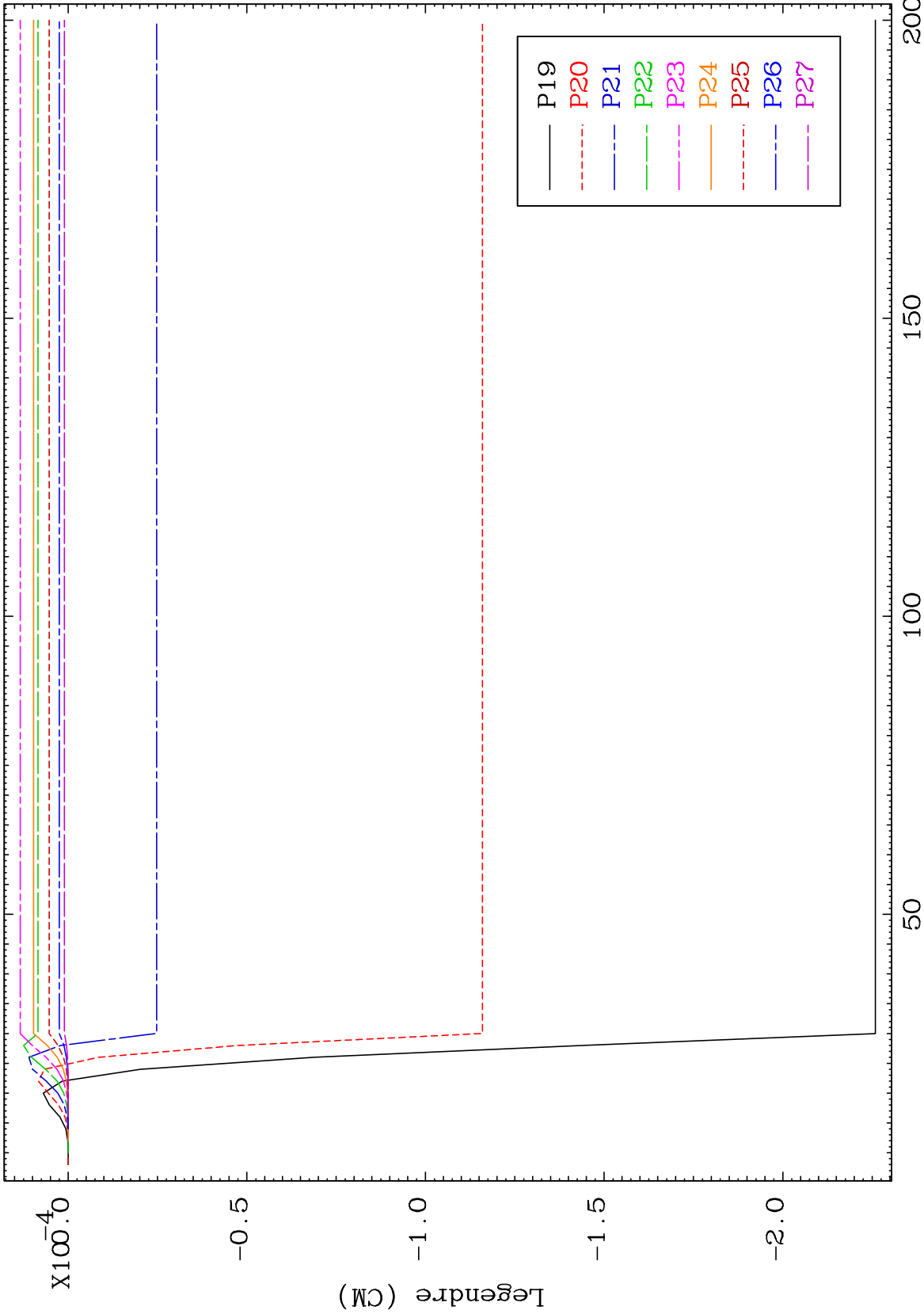
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



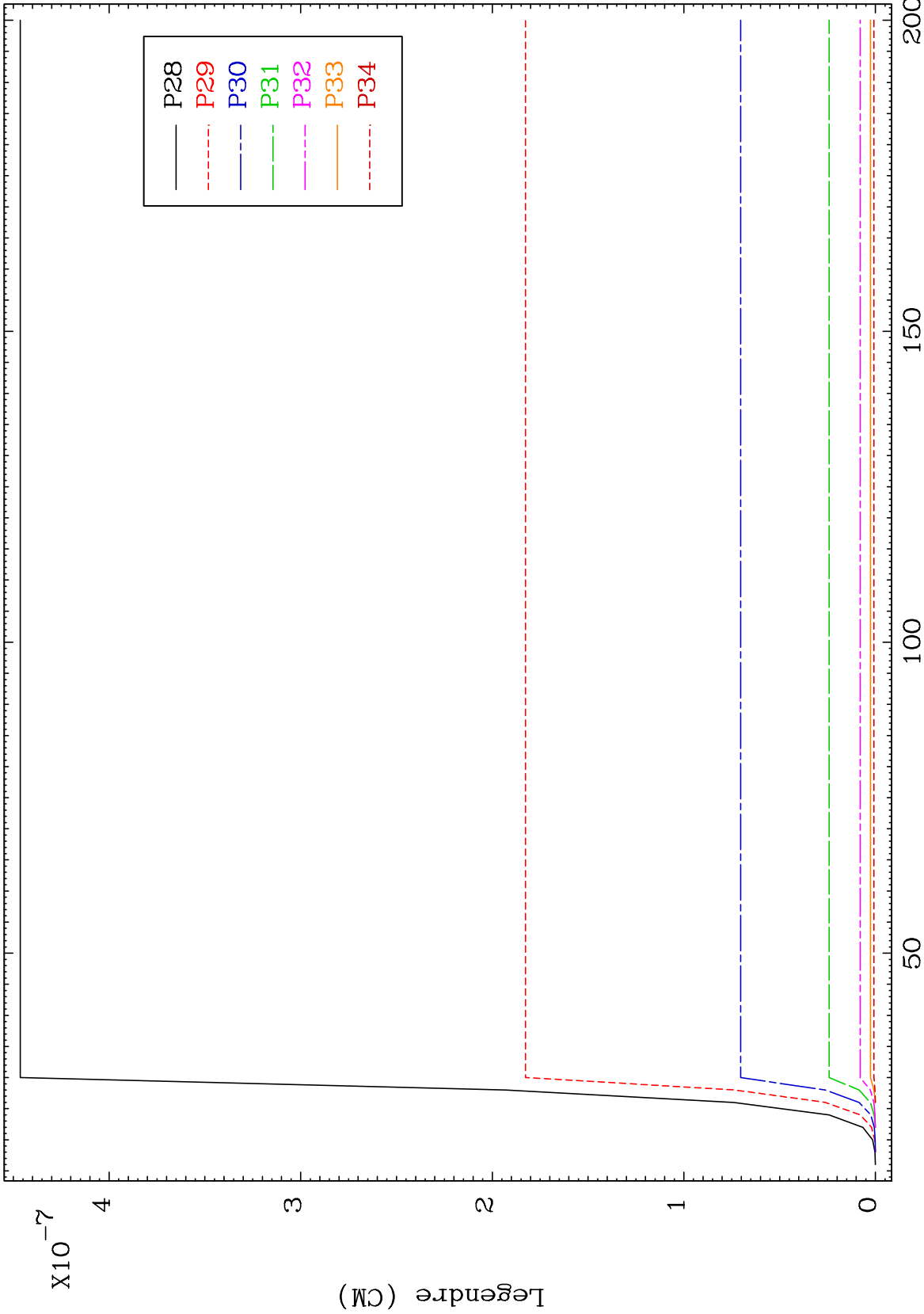
111

54-Xe-137

MAT 5464

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

54-Xe-137



112

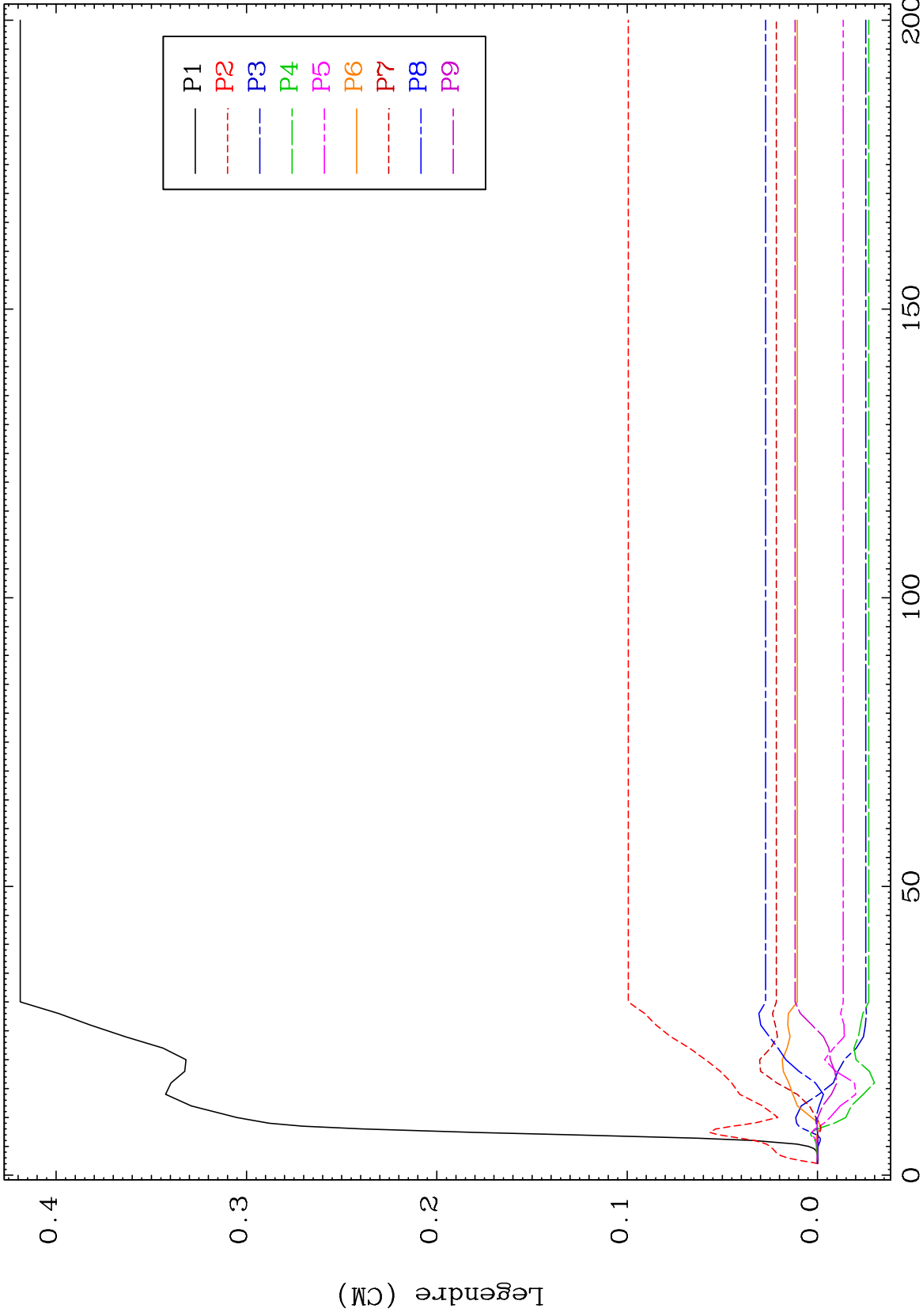
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



113

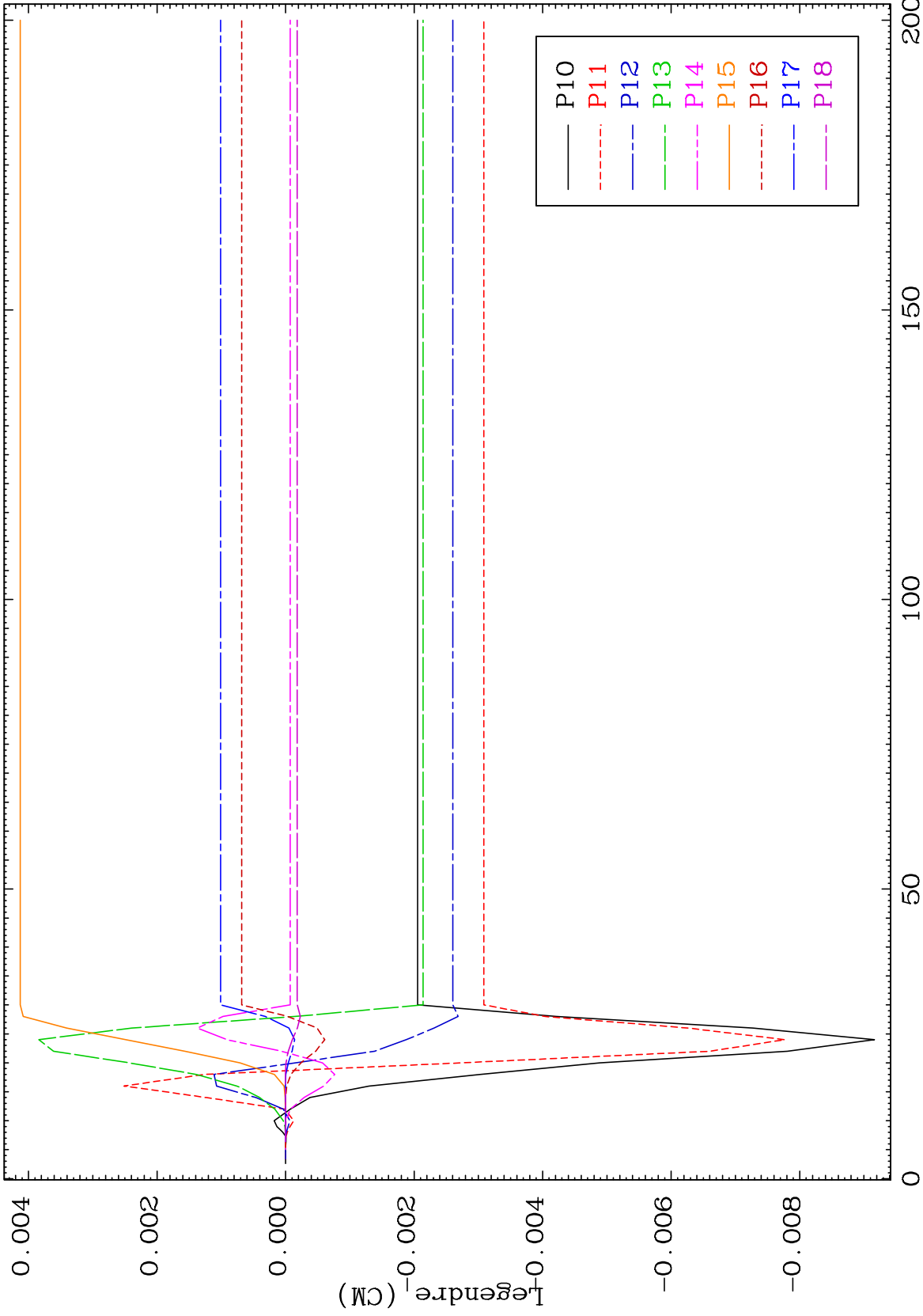
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



114

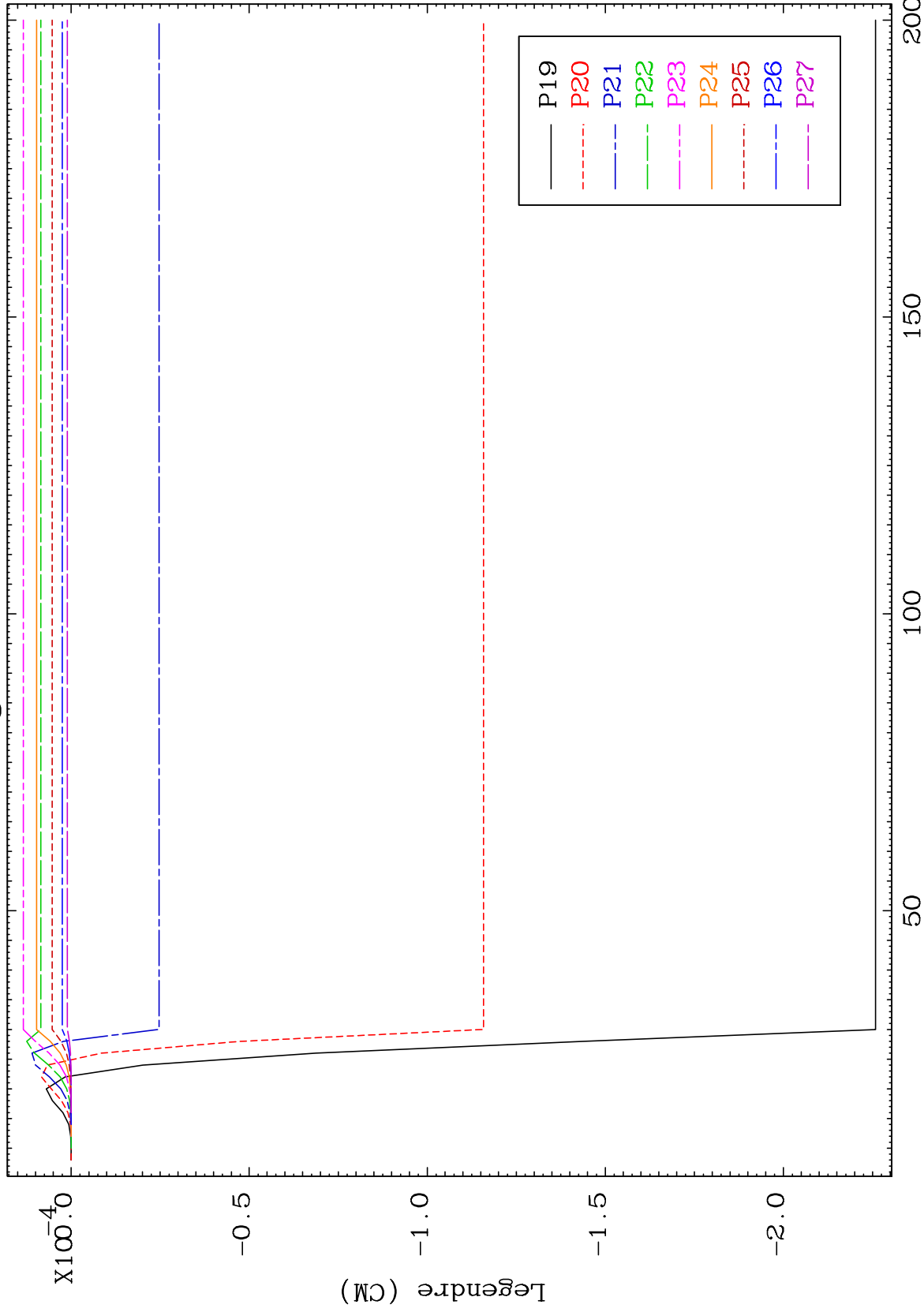
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



115

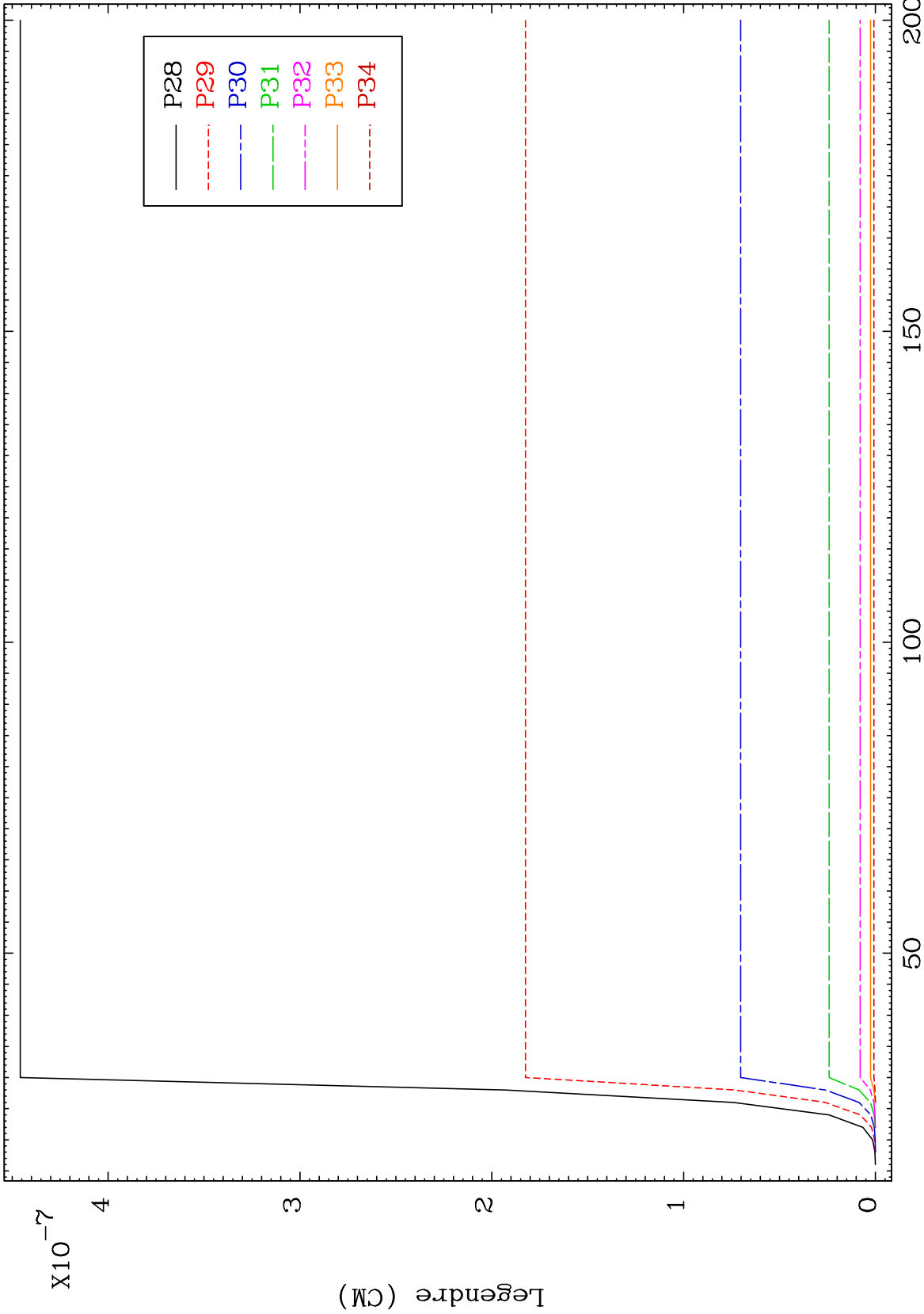
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



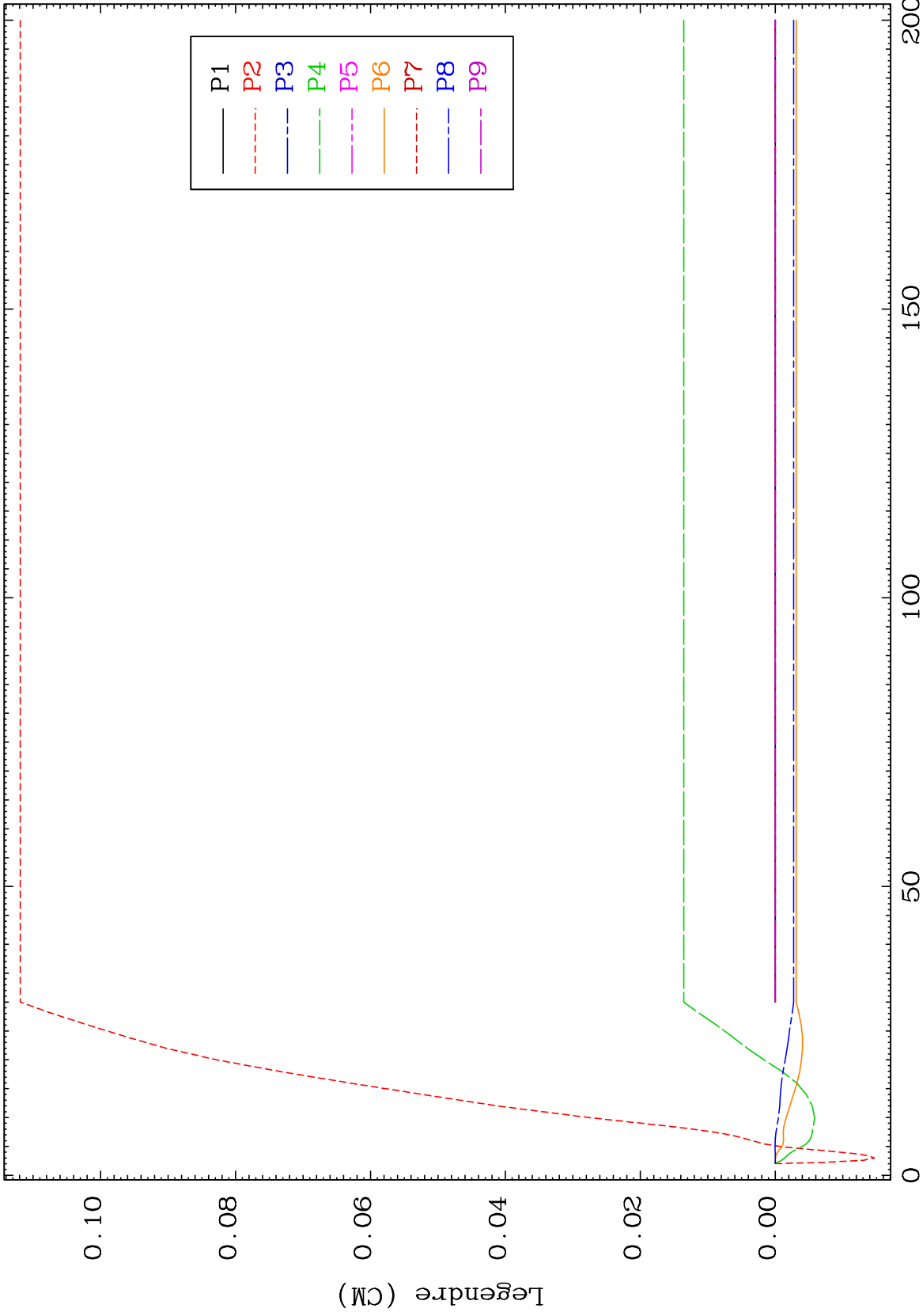
116

54-Xe-137

MAT 5464

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

54-Xe-137



117

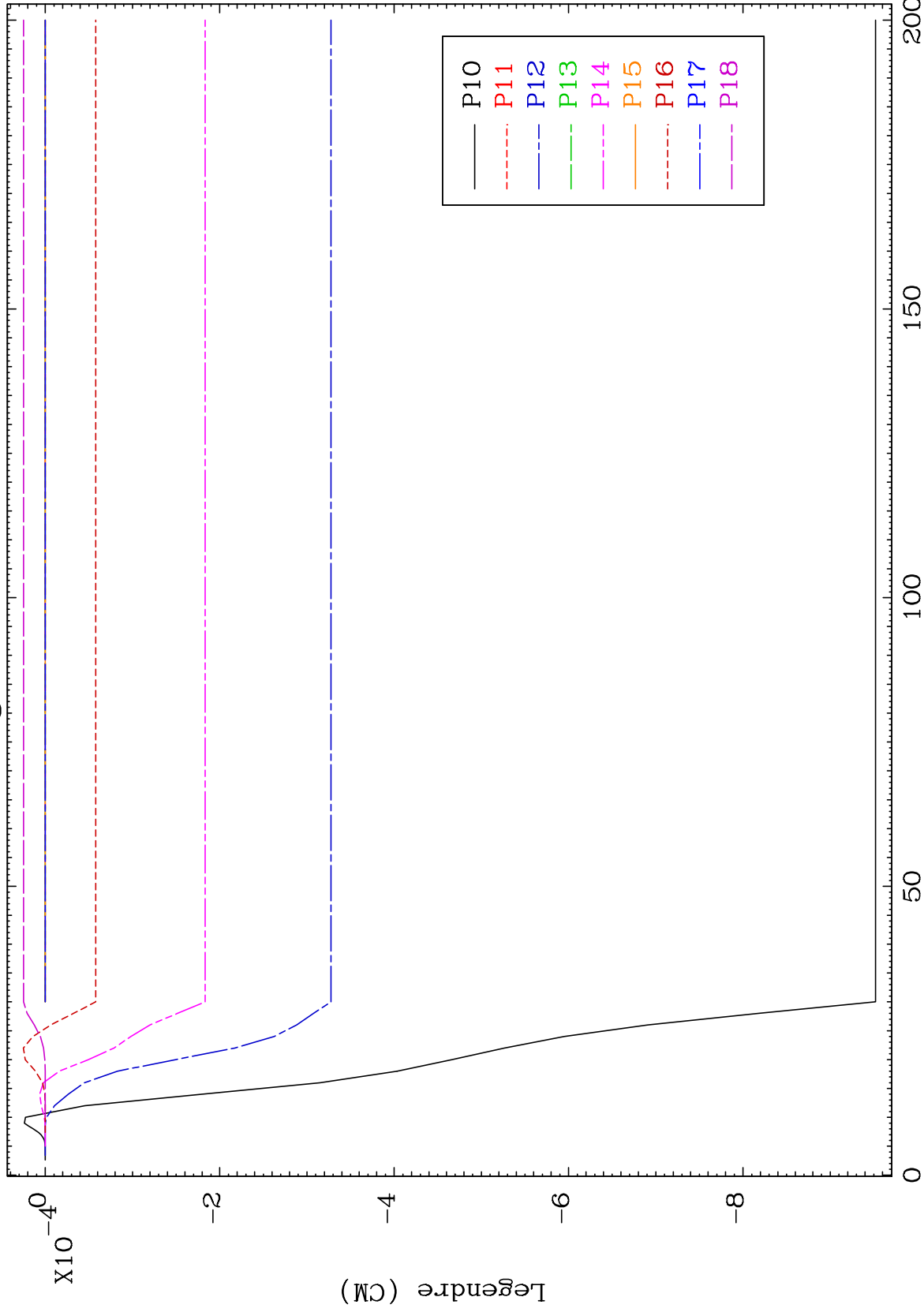
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



118

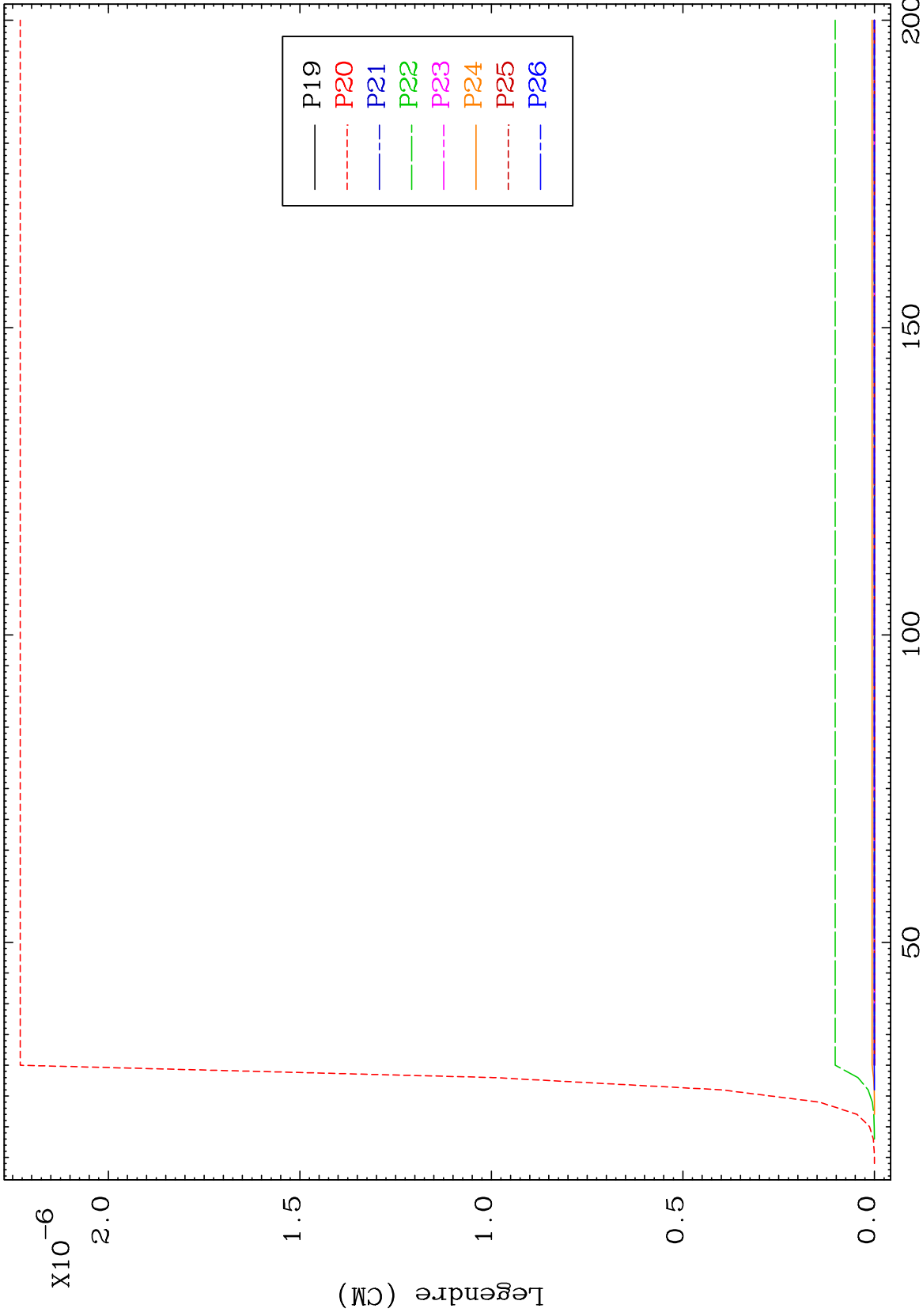
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



119

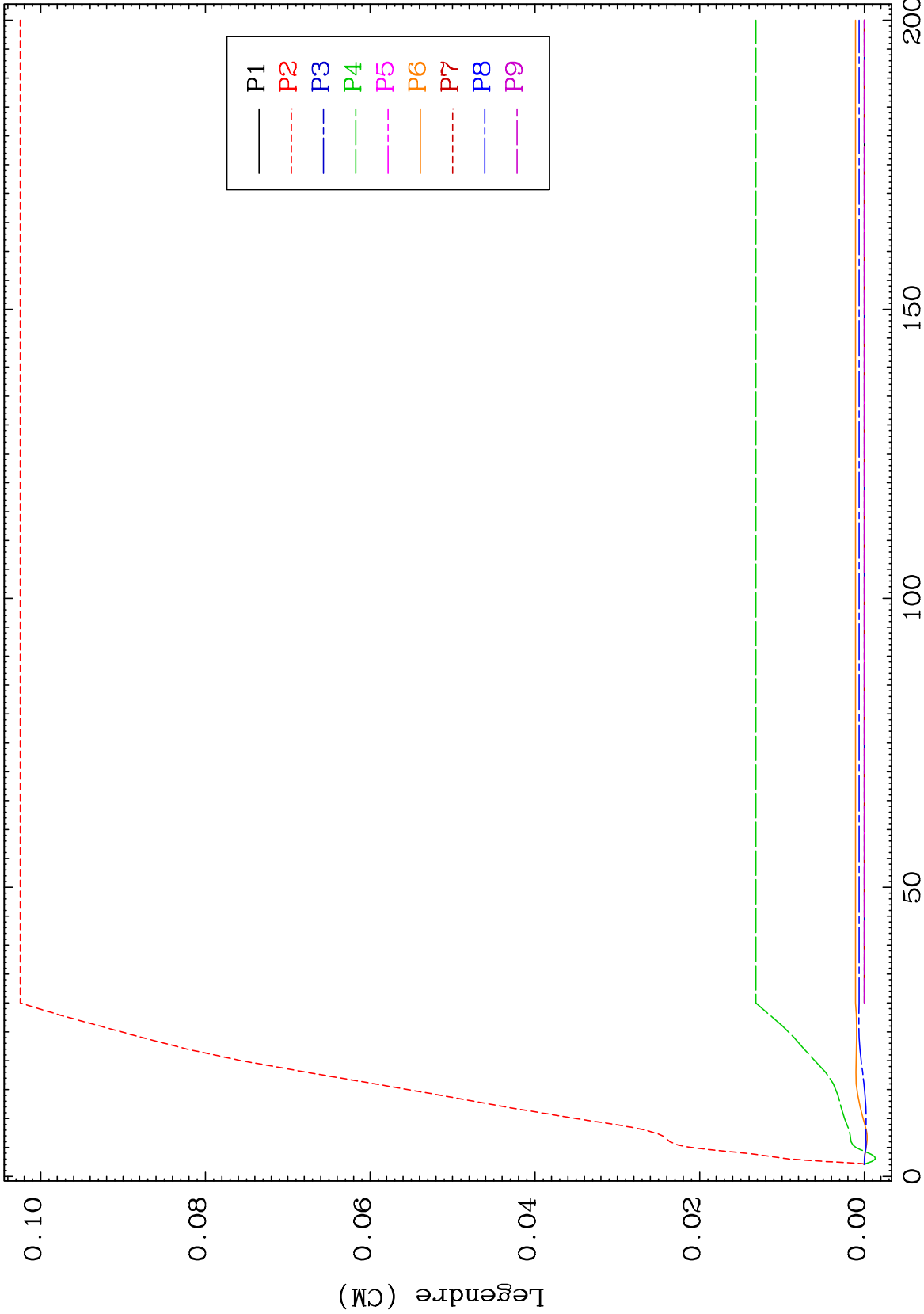
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



54-Xe-137

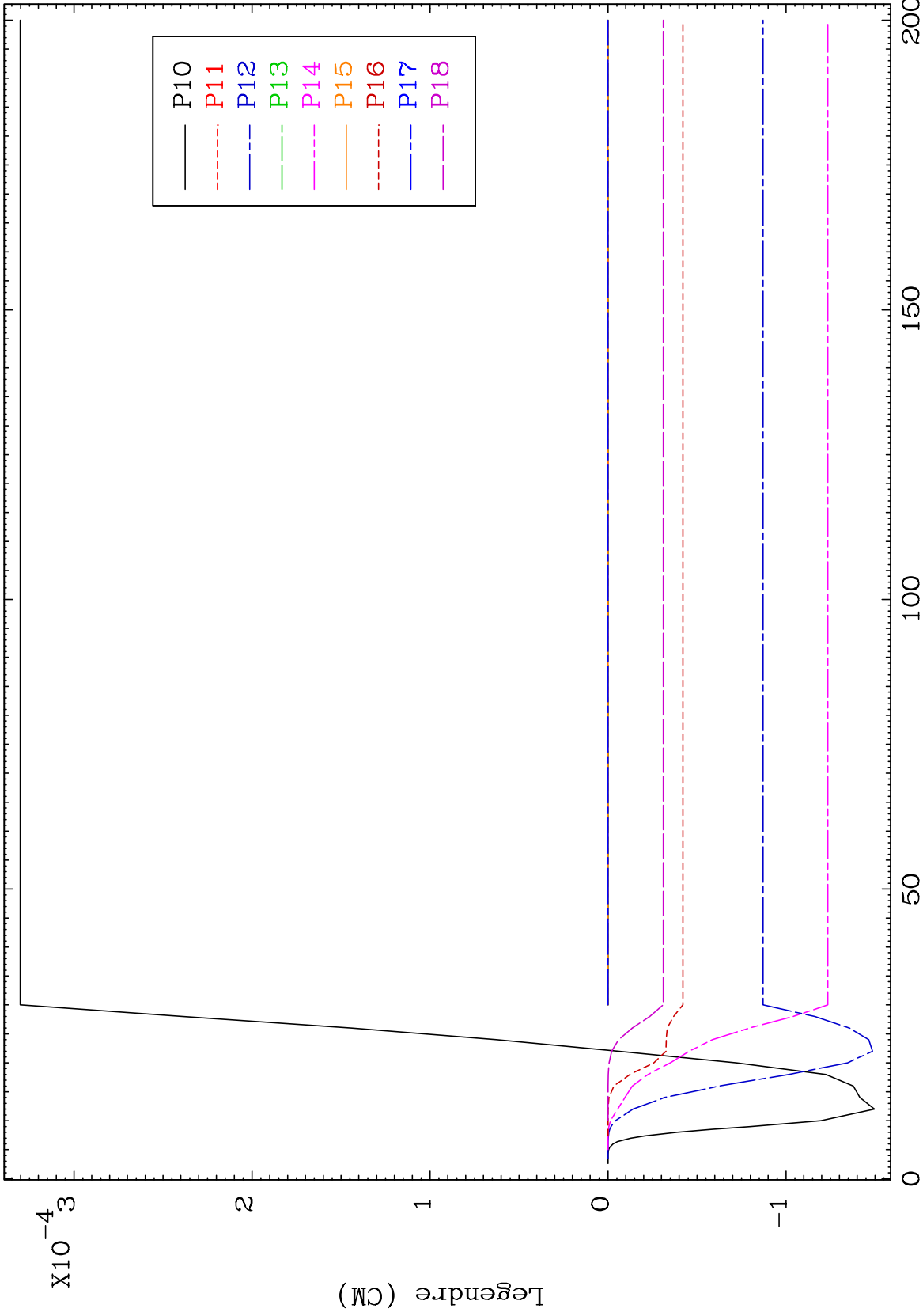
Incident Energy (MeV)

120

MAT 5464

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

54-Xe-137



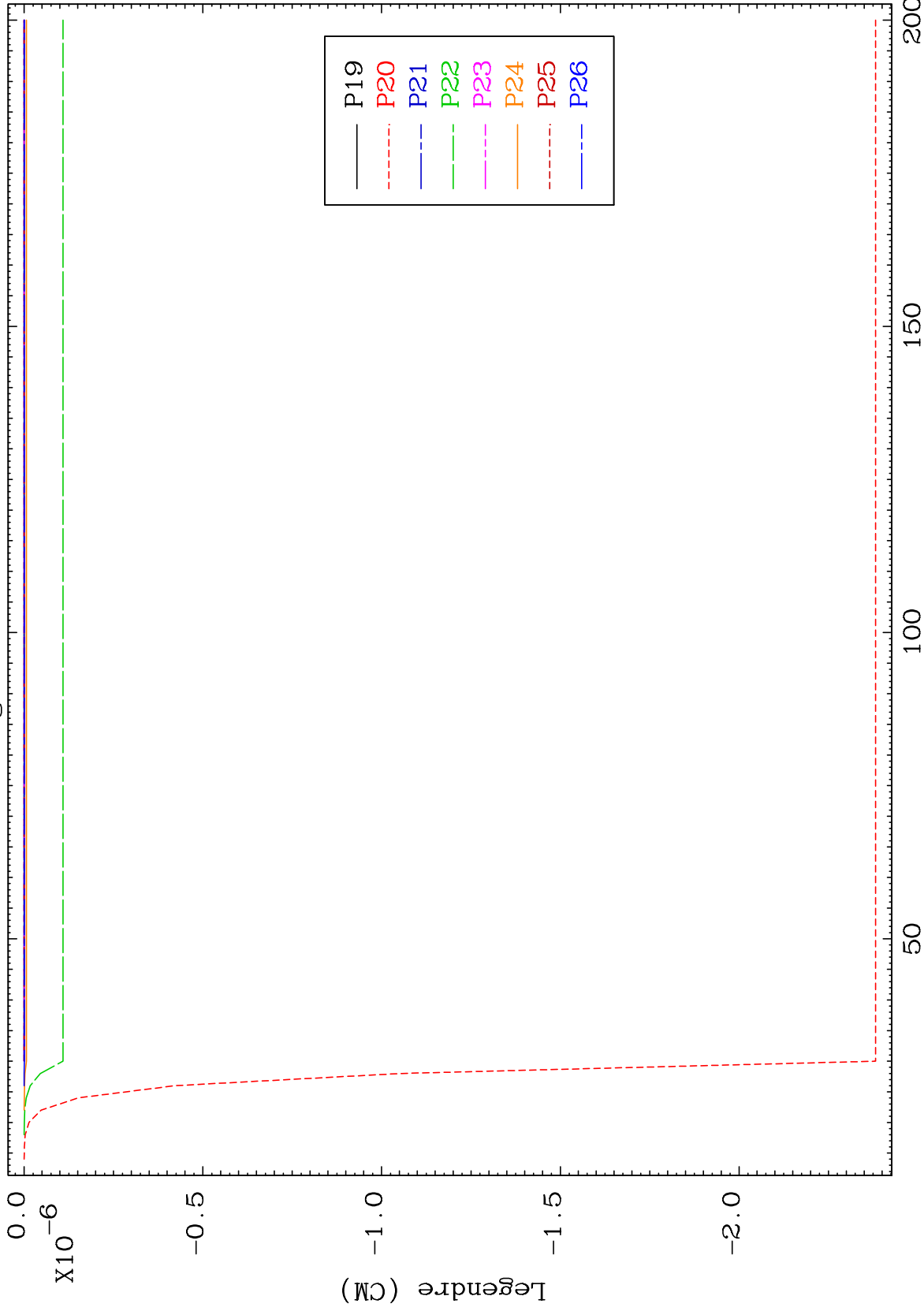
121

54-Xe-137

MAT 5464

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

54-Xe-137



122

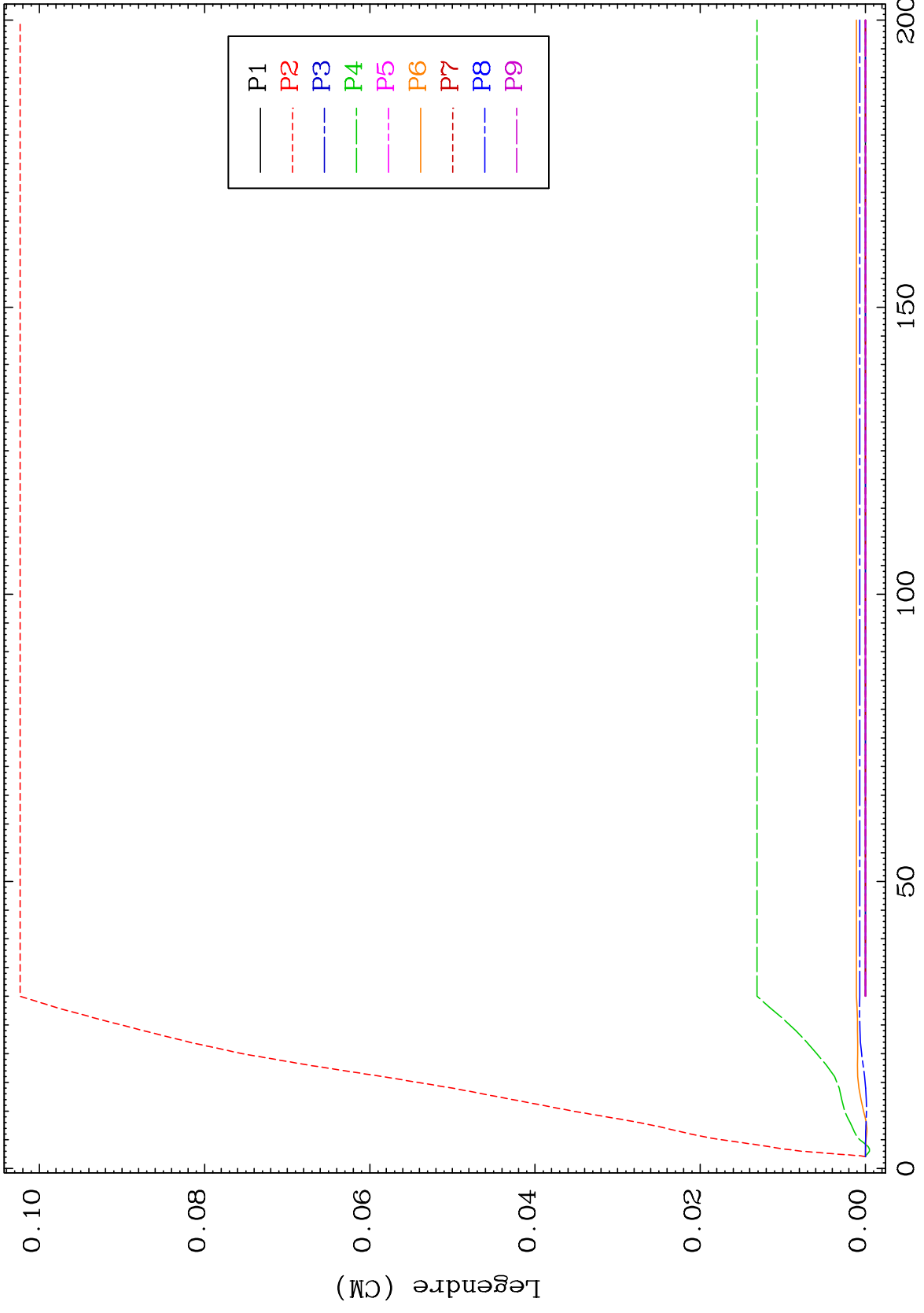
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



54-Xe-137

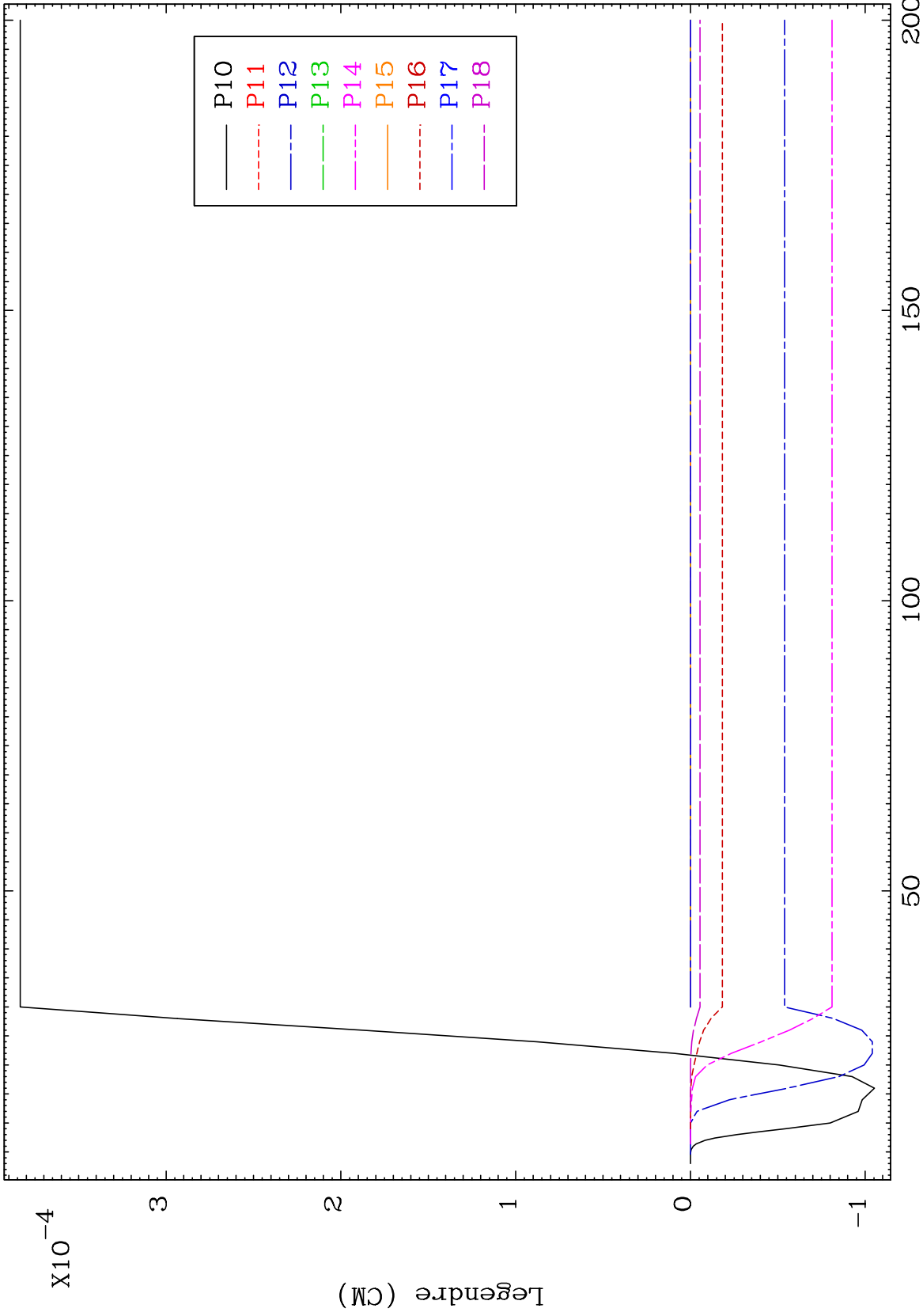
Incident Energy (MeV)

123

MAT 5464

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

54-Xe-137



124

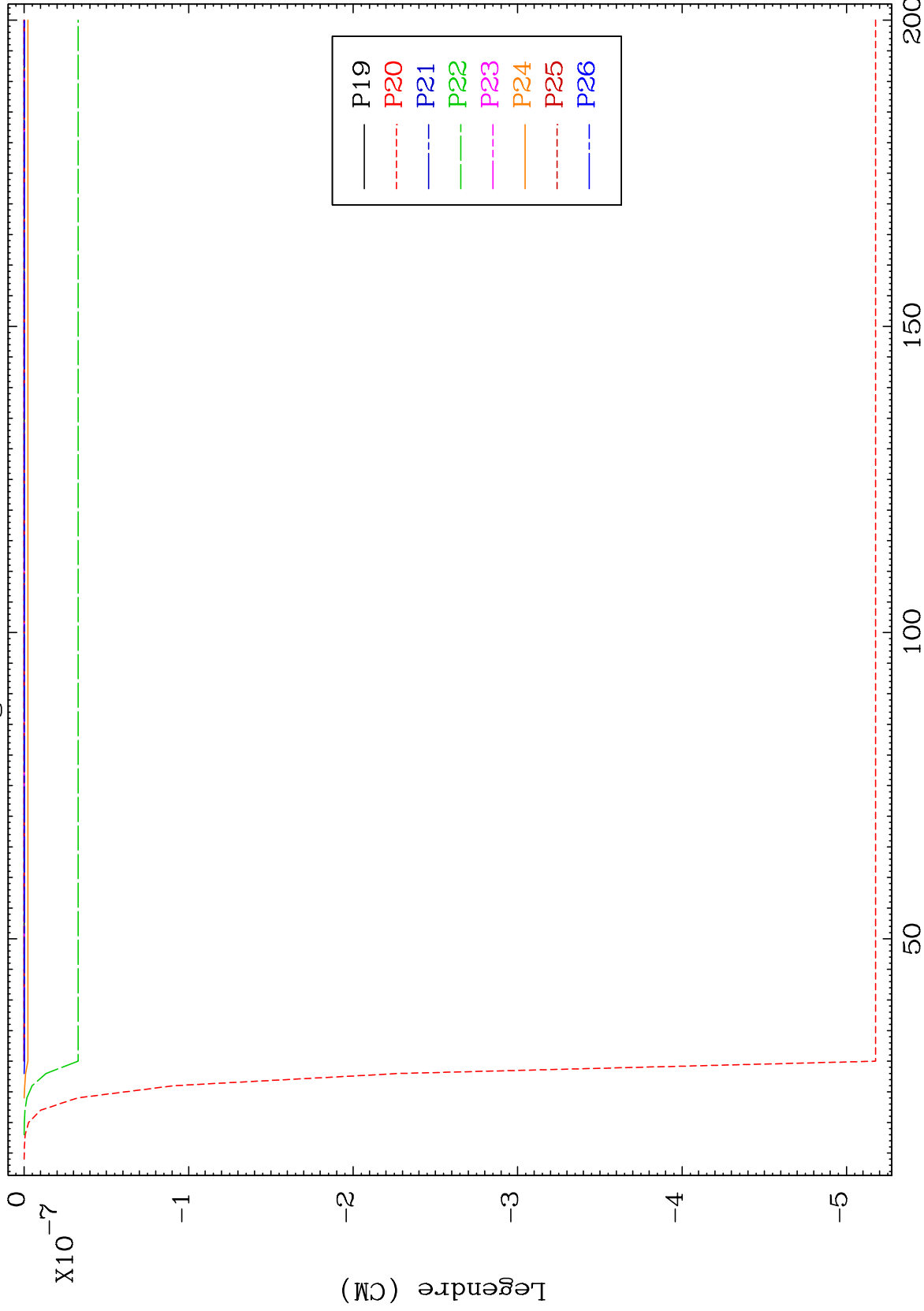
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



125

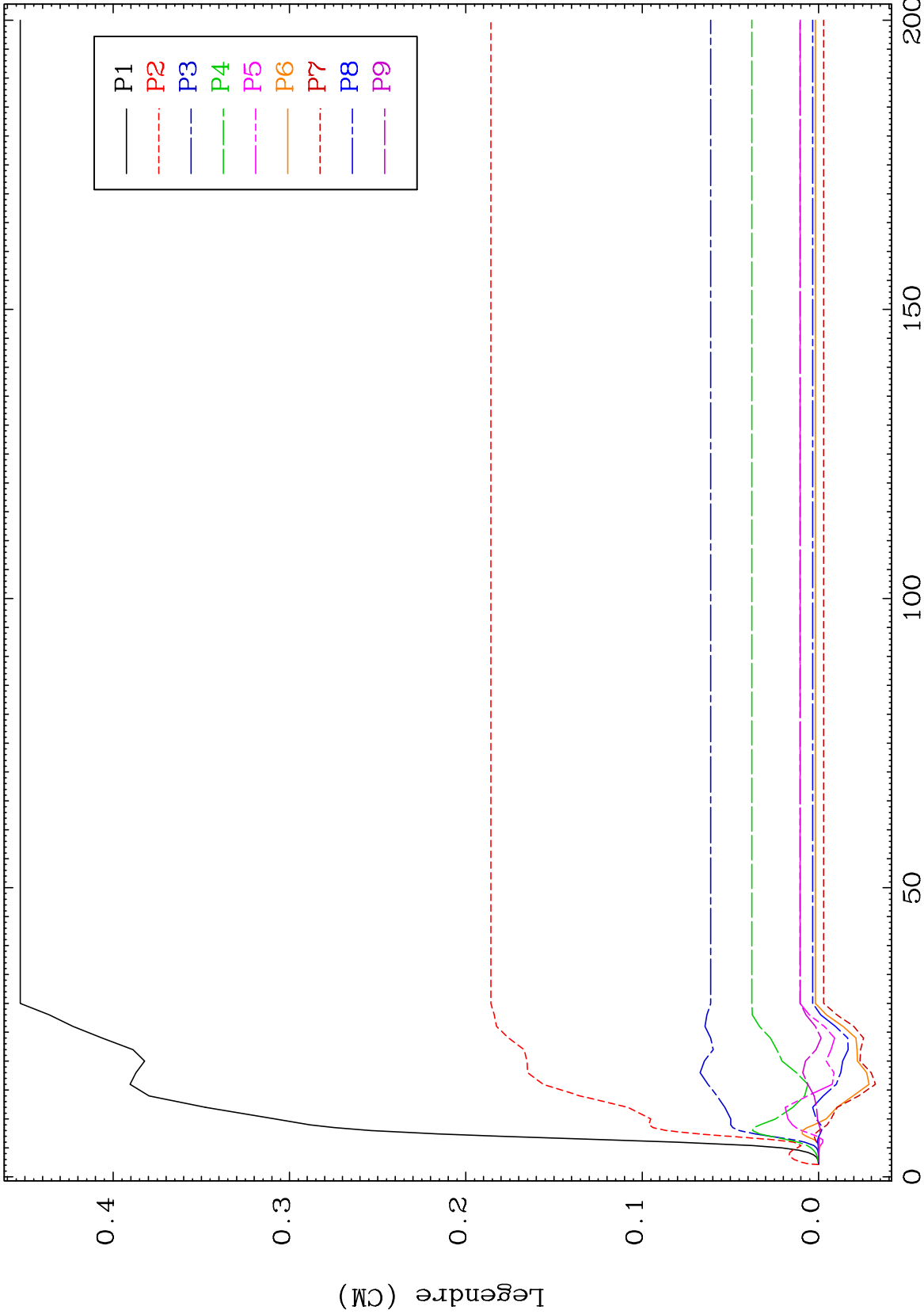
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



126

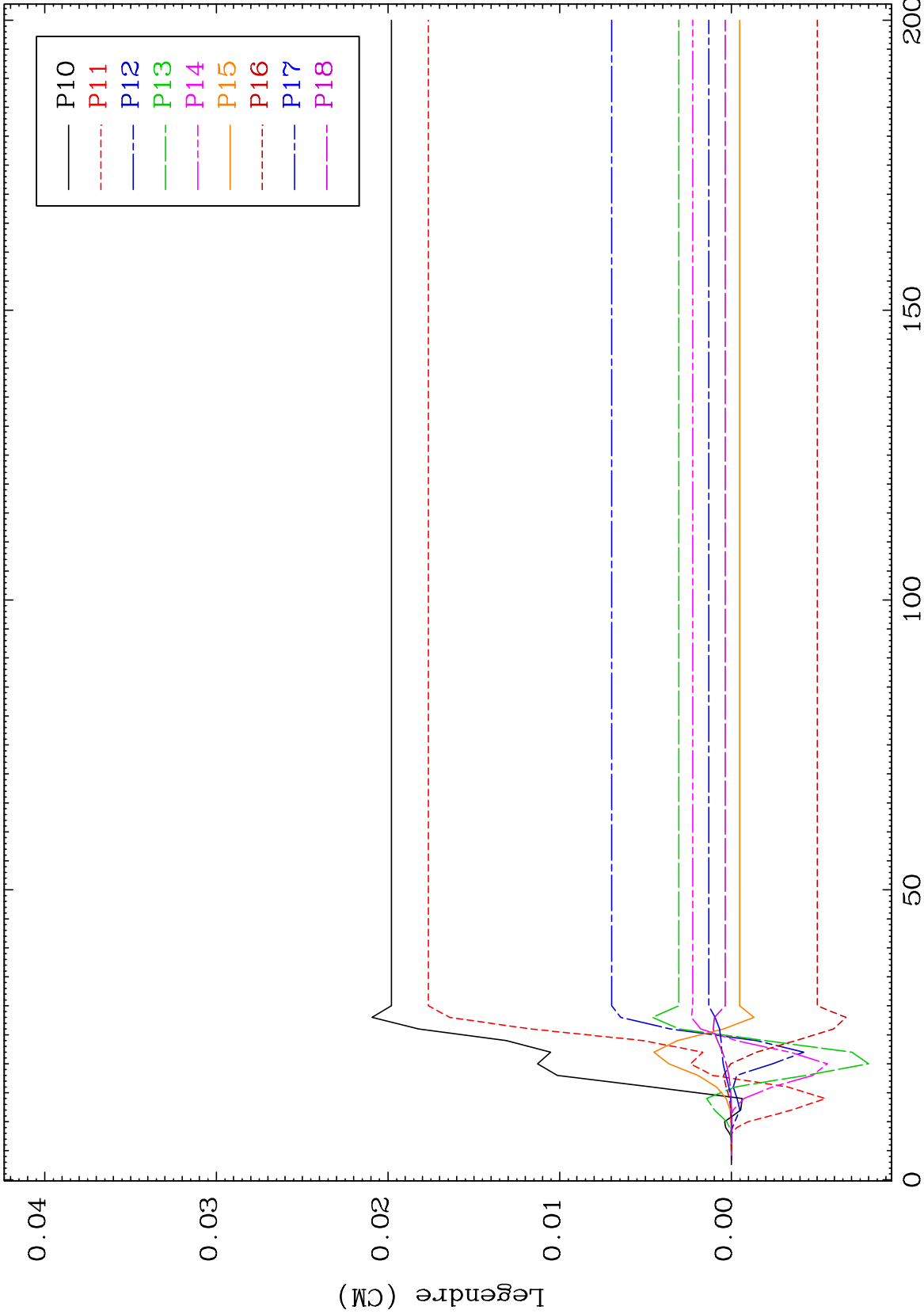
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



127

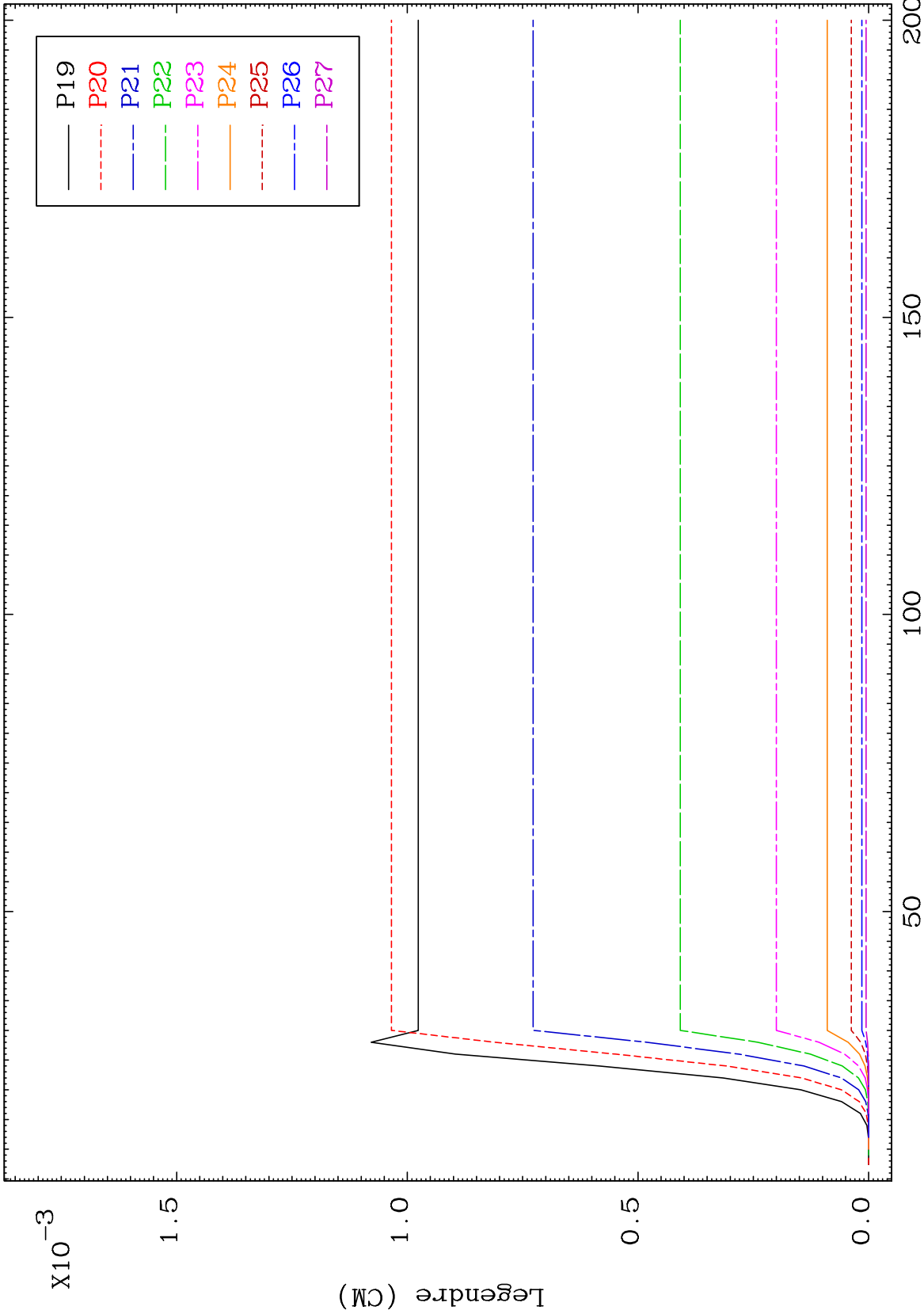
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



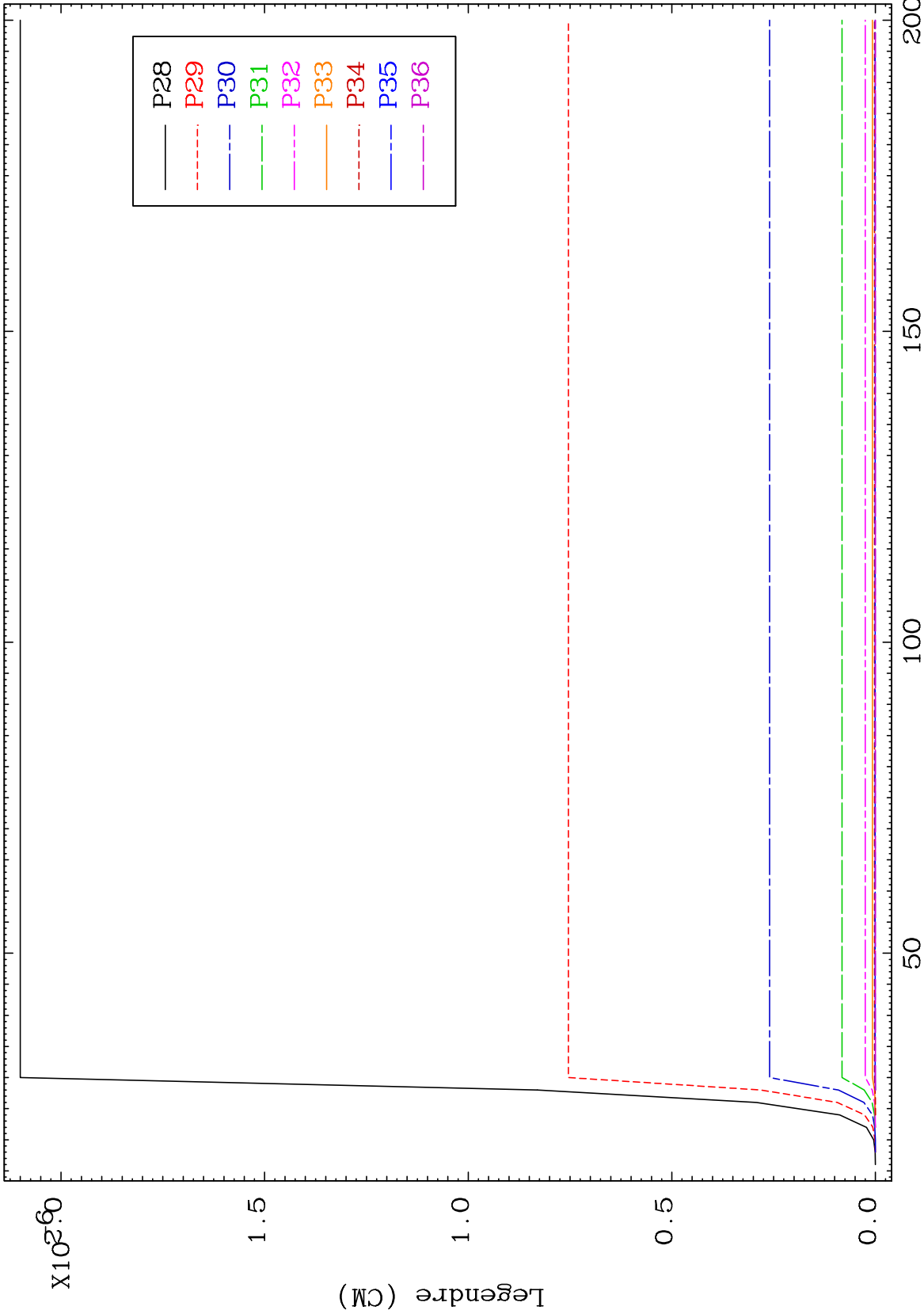
128

54-Xe-137

MAT 5464

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

54-Xe-137



129

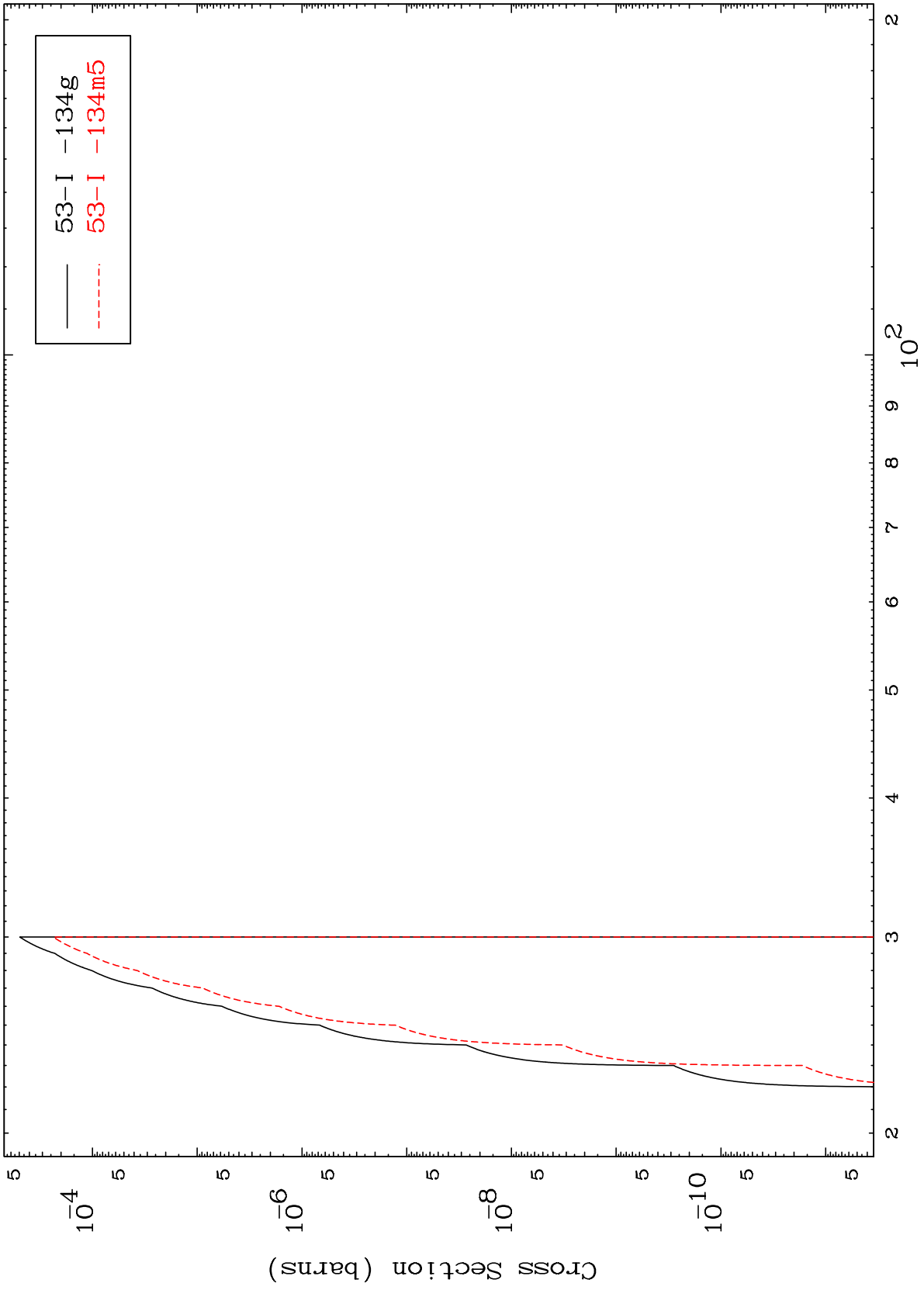
54-Xe-137

MAT 5464

(n,2n) d

54-Xe-137

Radionuclide Production Cross Section



130

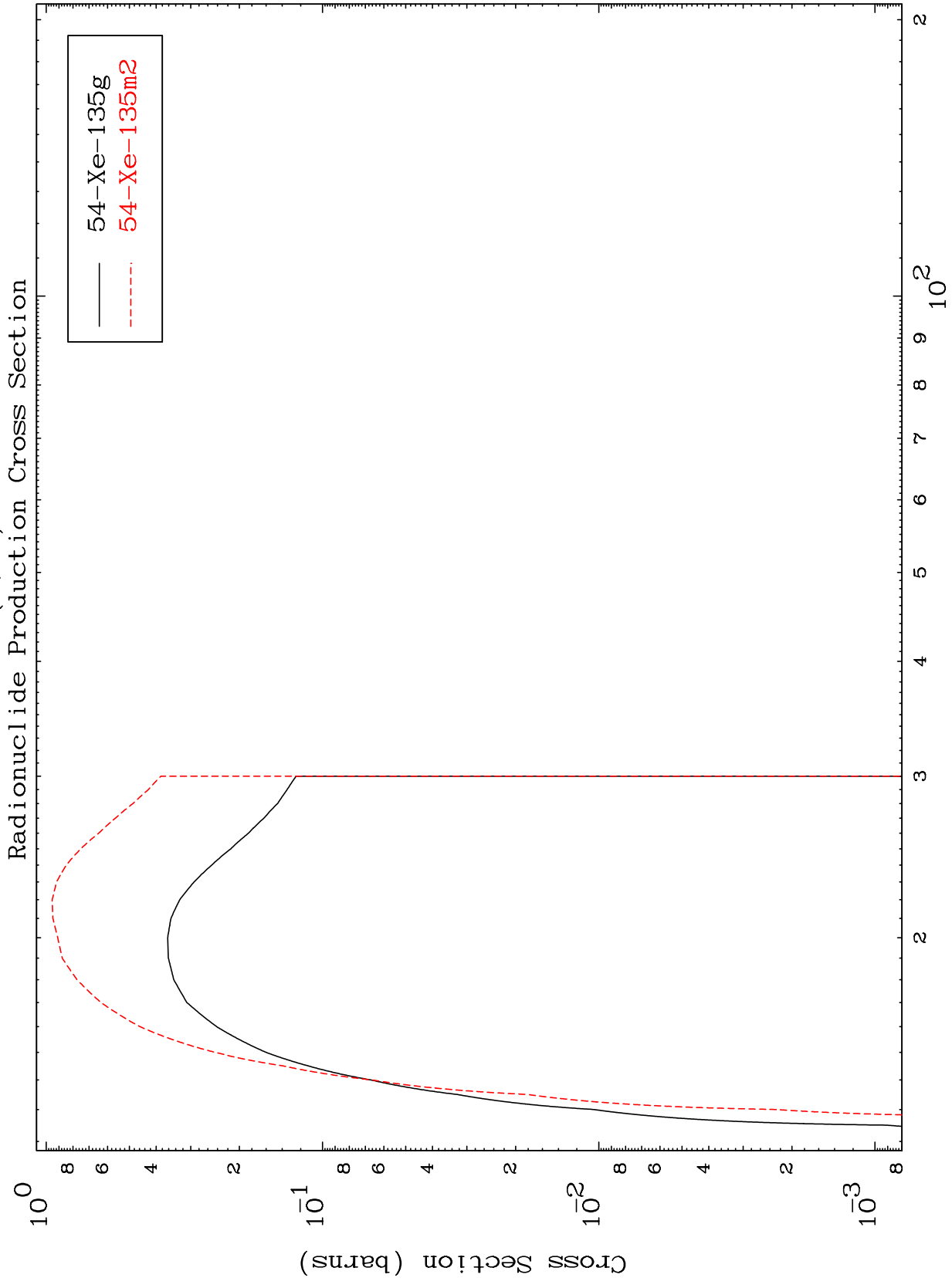
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,3n)

54-Xe-137



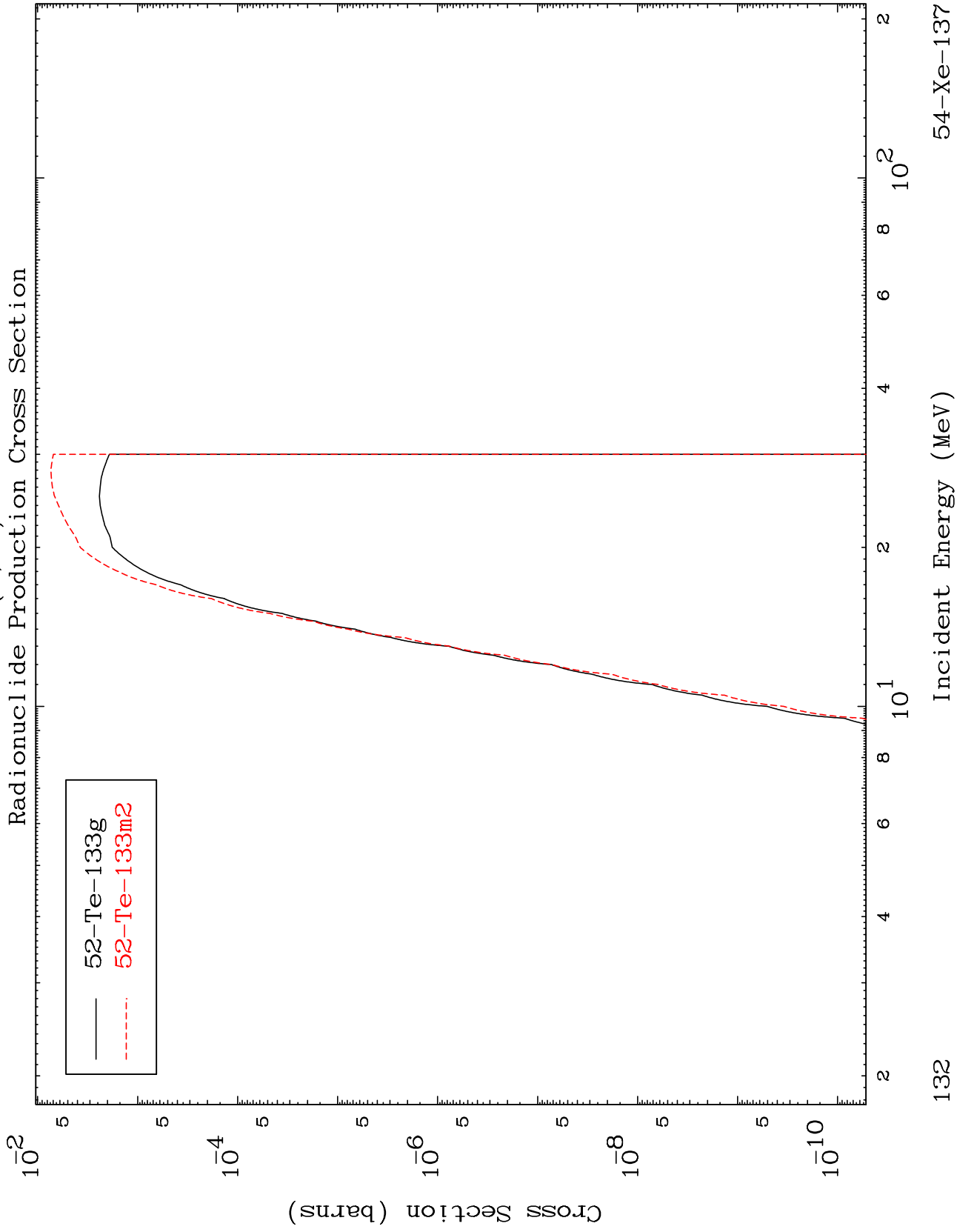
131

54-Xe-137

MAT 5464

(n,n') α

54-Xe-137



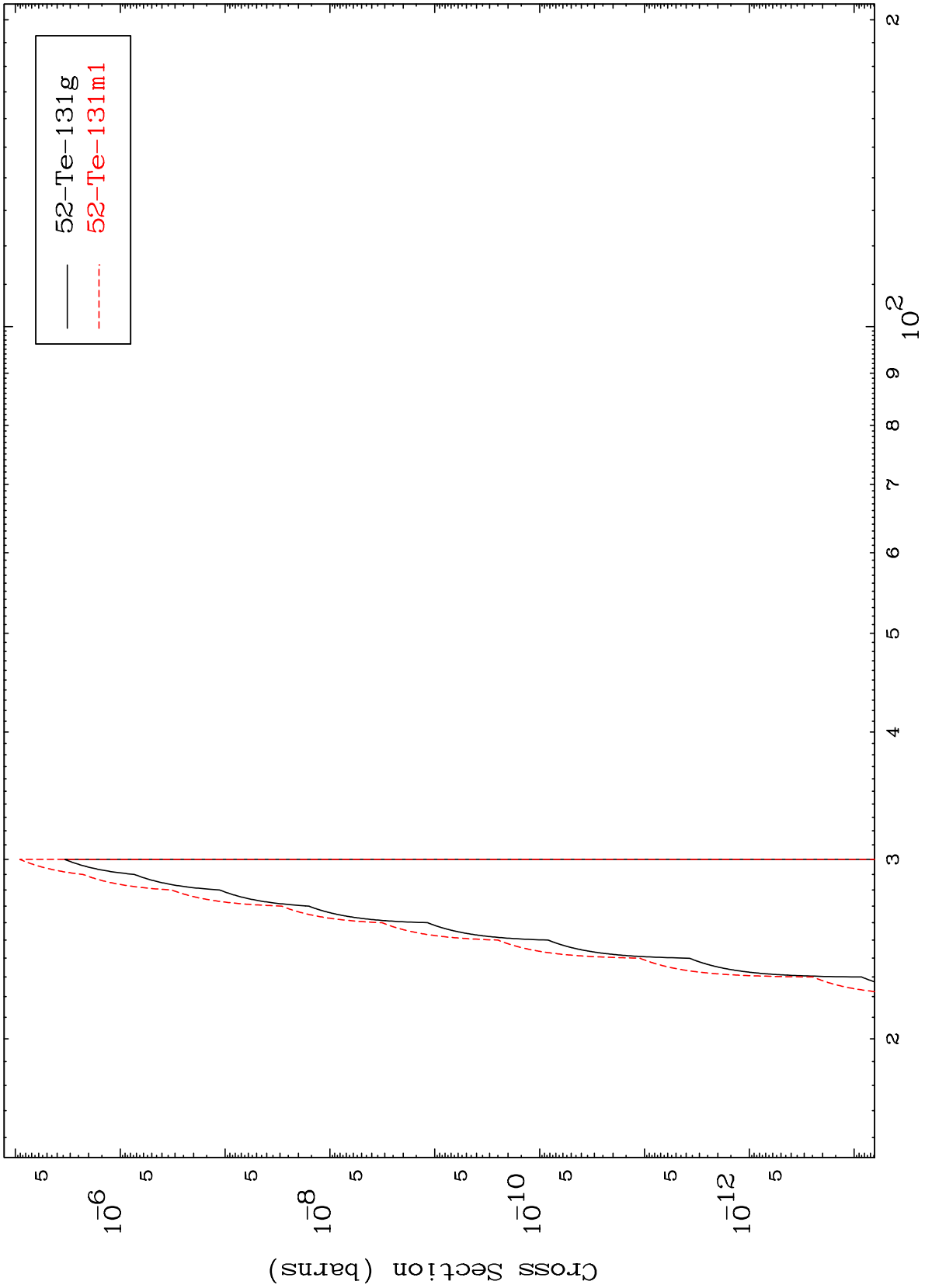
132

MAT 5464

(n,3n) α

54-Xe-137

Radionuclide Production Cross Section



133

Incident Energy (MeV)

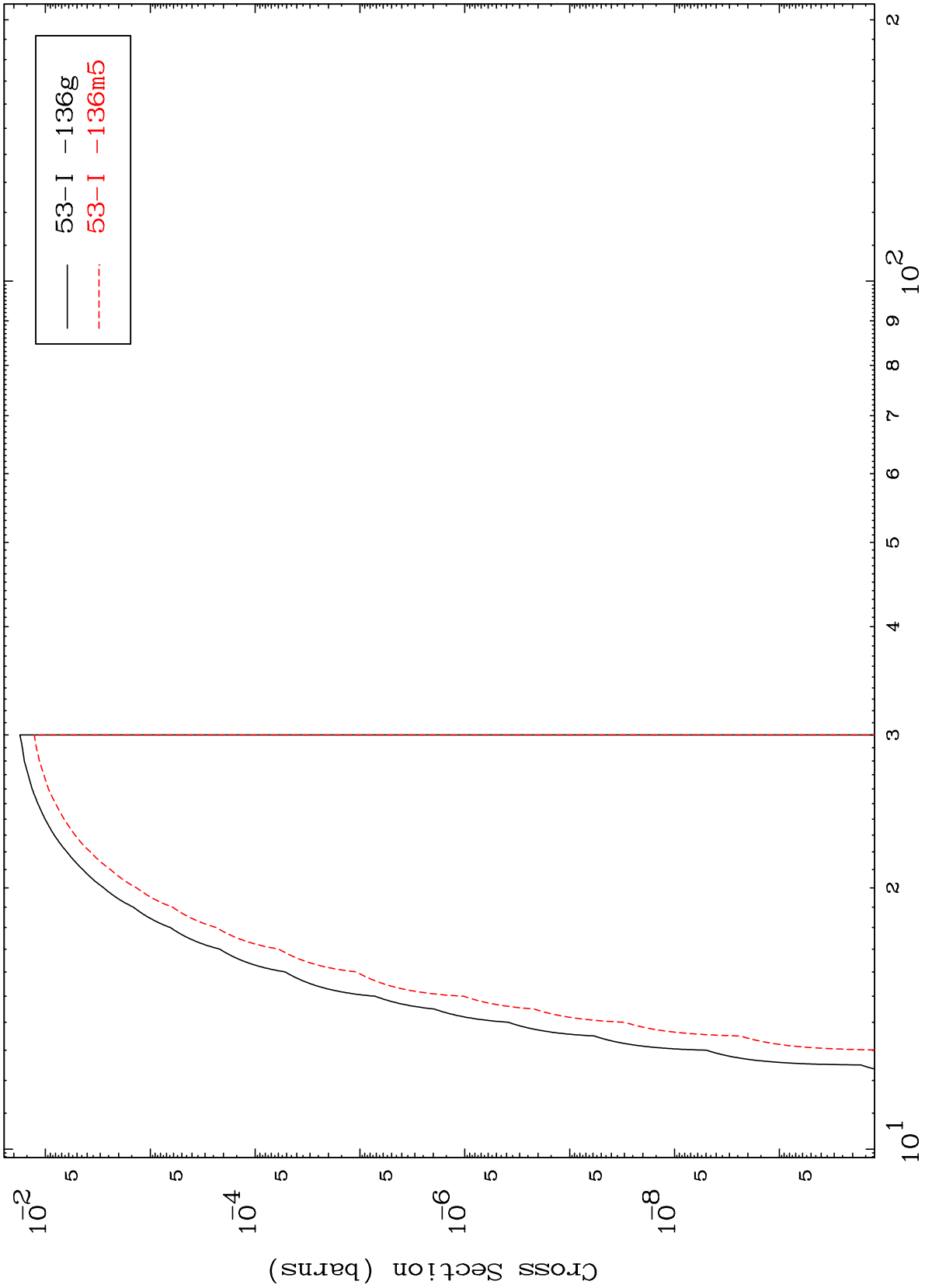
54-Xe-137

MAT 5464

(n,n') p

54-Xe-137

Radionuclide Production Cross Section



134

Incident Energy (MeV)

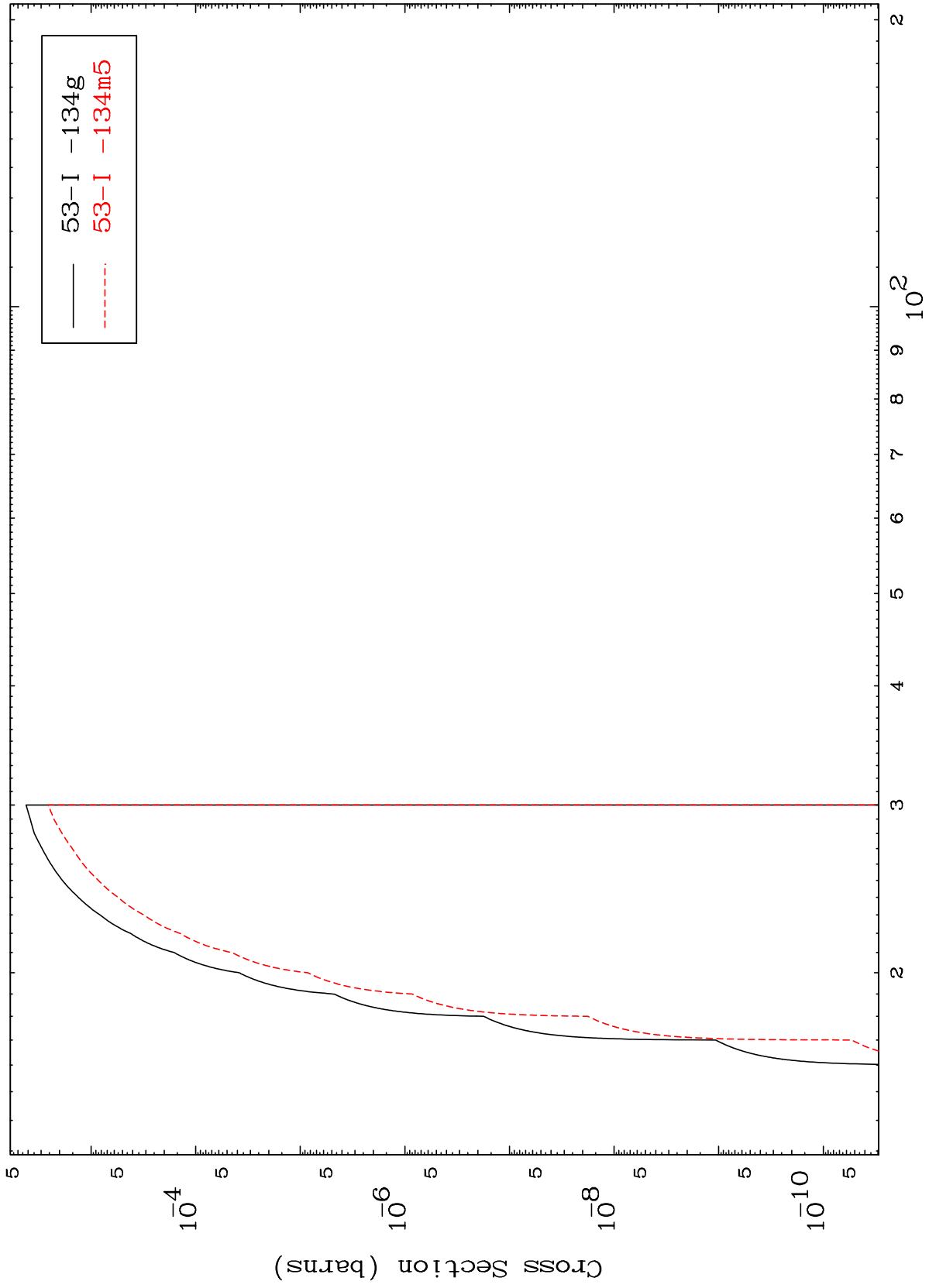
54-Xe-137

MAT 5464

(n,n') t

54-Xe-137

Radionuclide Production Cross Section



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

135

Incident Energy (MeV)

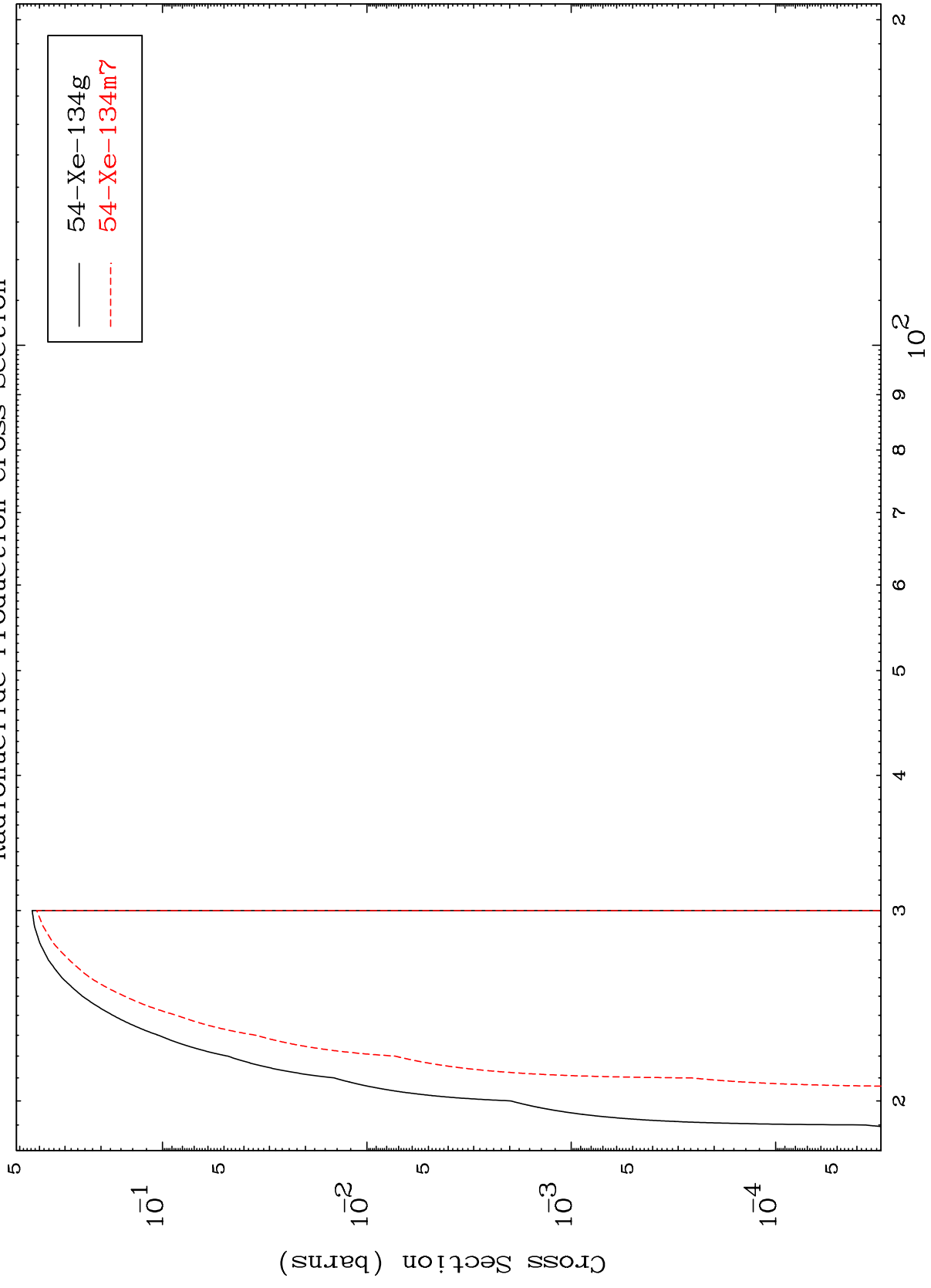
54-Xe-137

MAT 5464

(n, 4n)

54-Xe-137

Radionuclide Production Cross Section



136

Incident Energy (MeV)

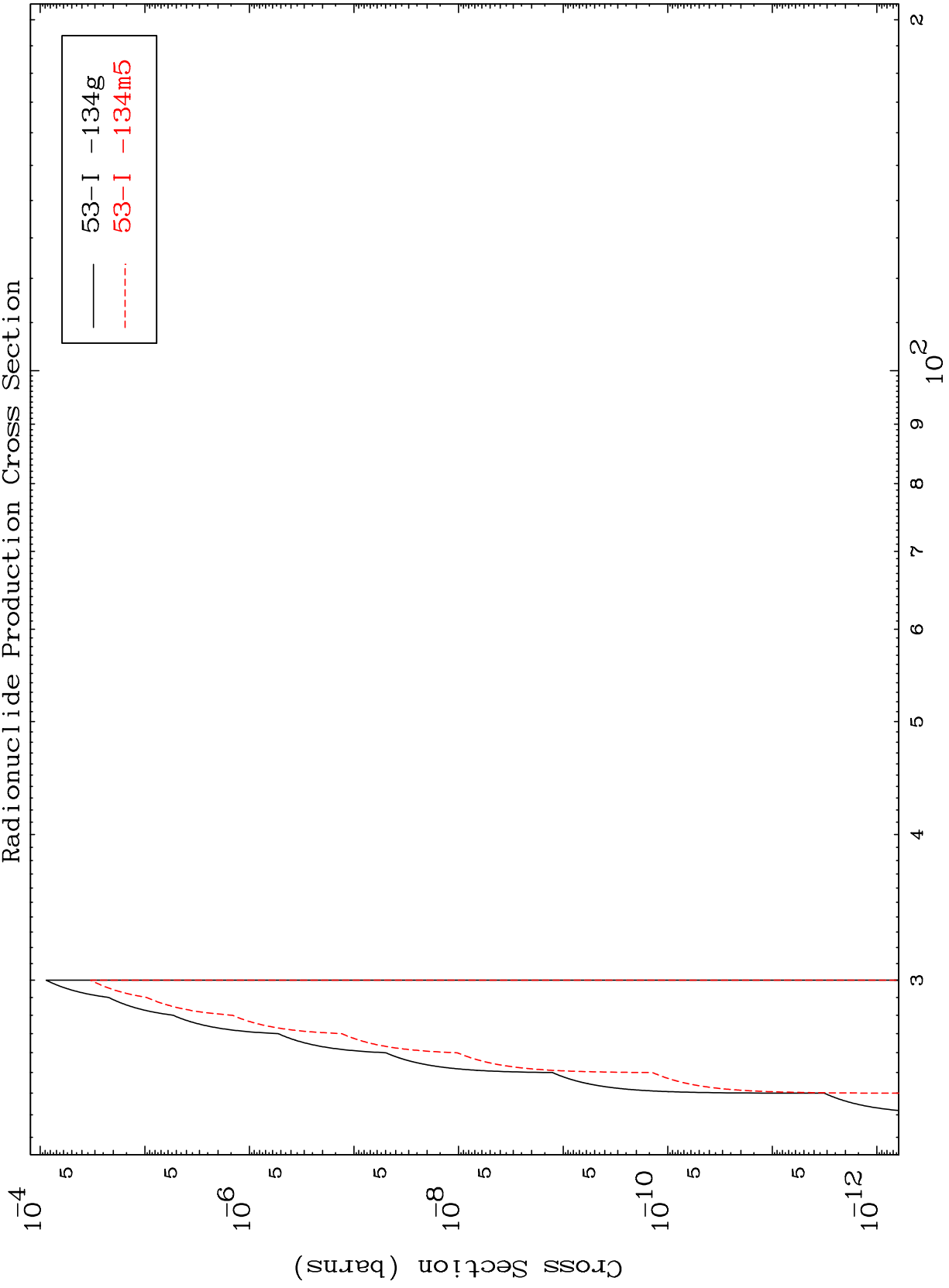
54-Xe-137

MAT 5464

(n,3n) p

54-Xe-137

Radionuclide Production Cross Section



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

137

Incident Energy (MeV)

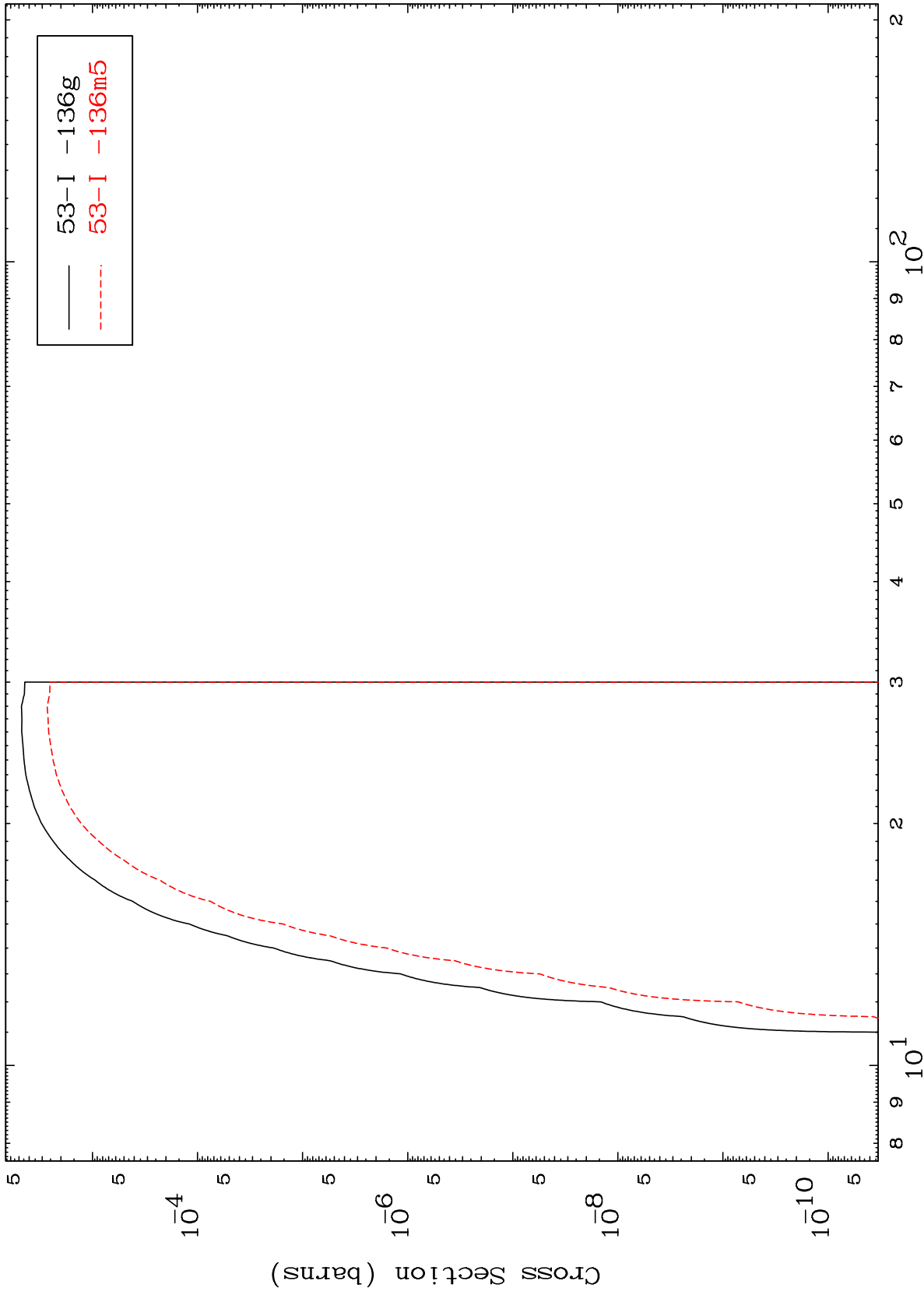
54-Xe-137

MAT 5464

(n,d)

54-Xe-137

Radionuclide Production Cross Section



138

Incident Energy (MeV)

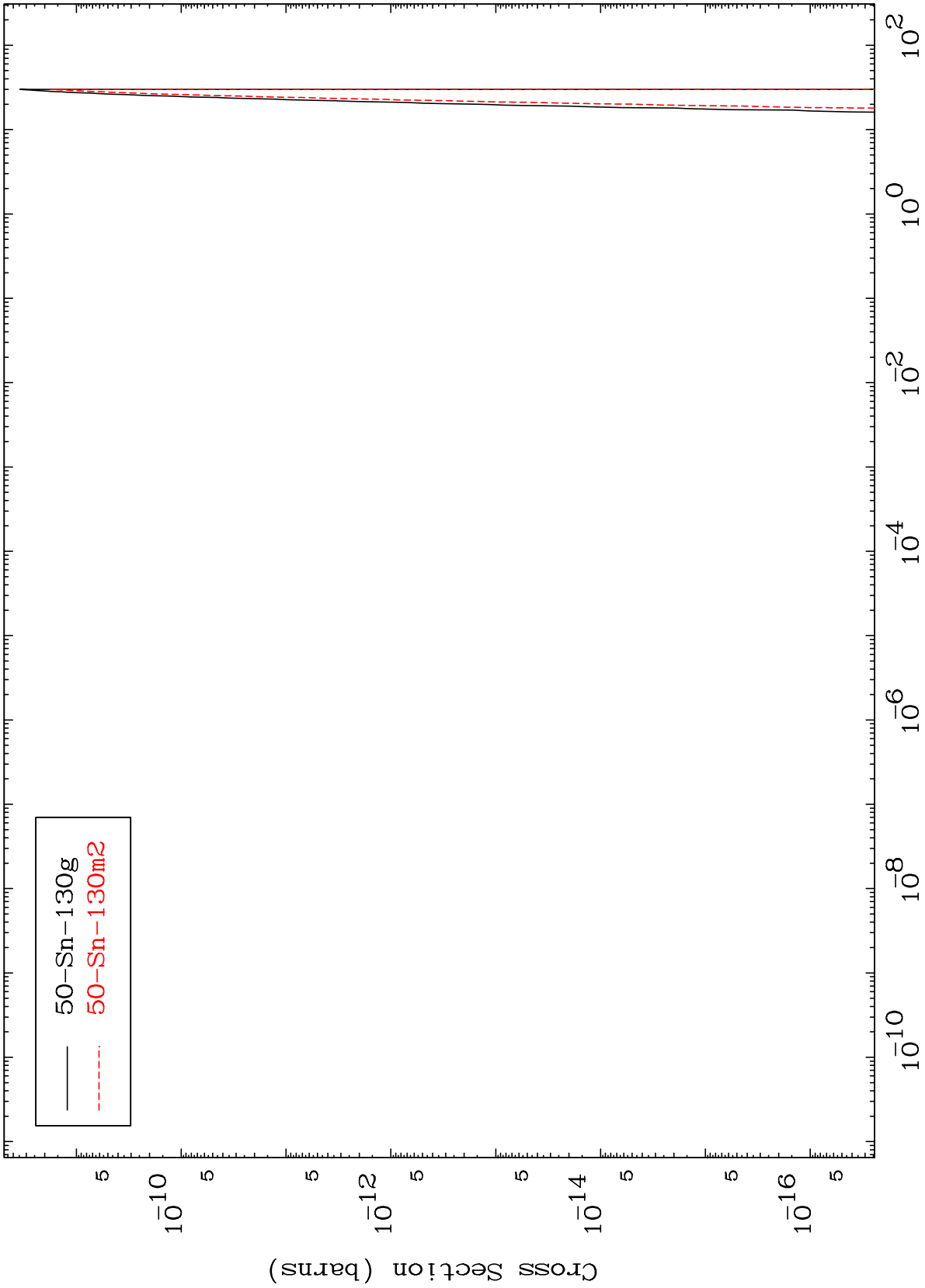
54-Xe-137

MAT 5464

(n,2α)

54-Xe-137

Radionuclide Production Cross Section



139

Incident Energy (MeV)

54-Xe-137