

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

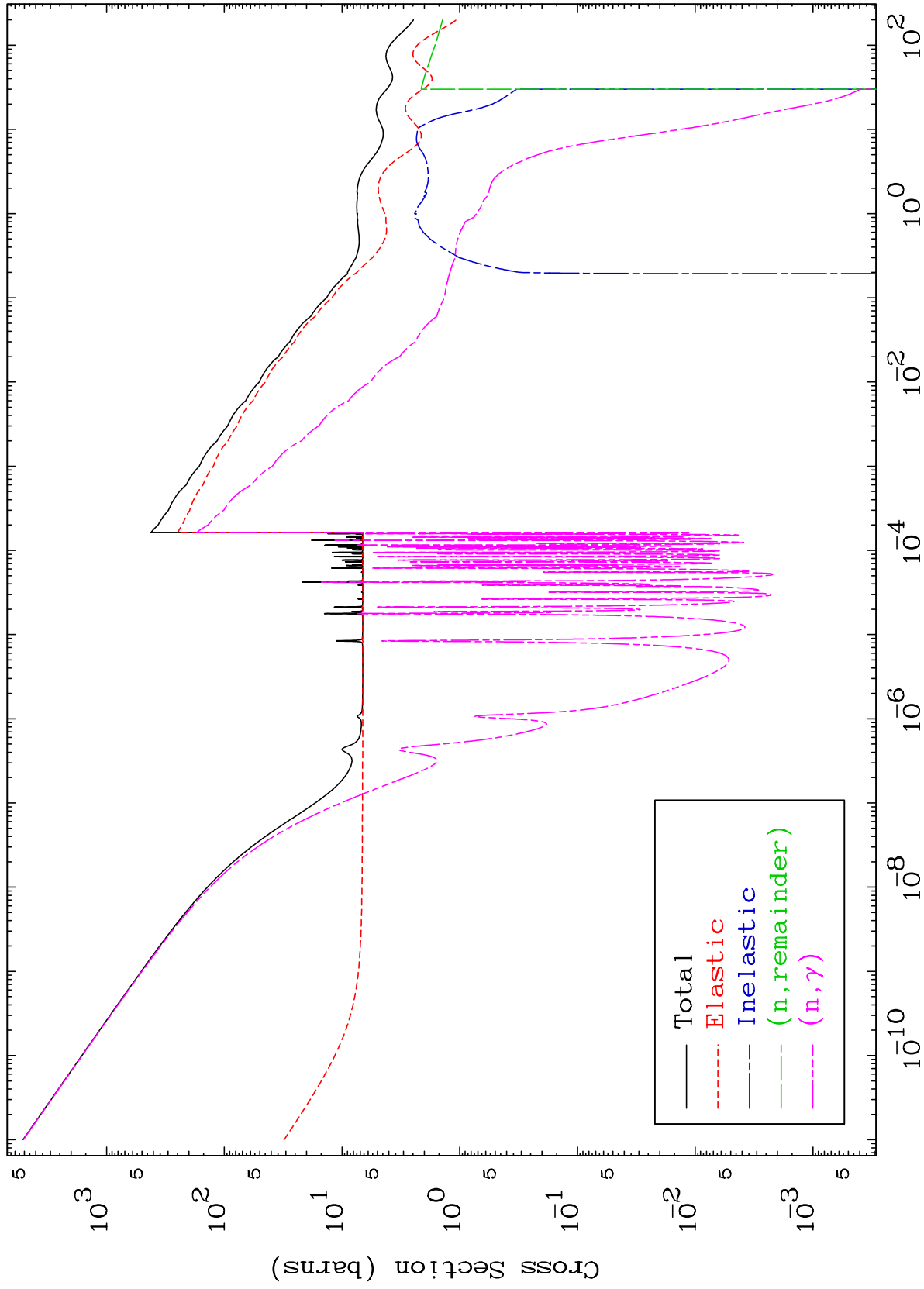
Press Mouse Button to Start

MAT 6813

Major

293 Kelvin Cross Sections

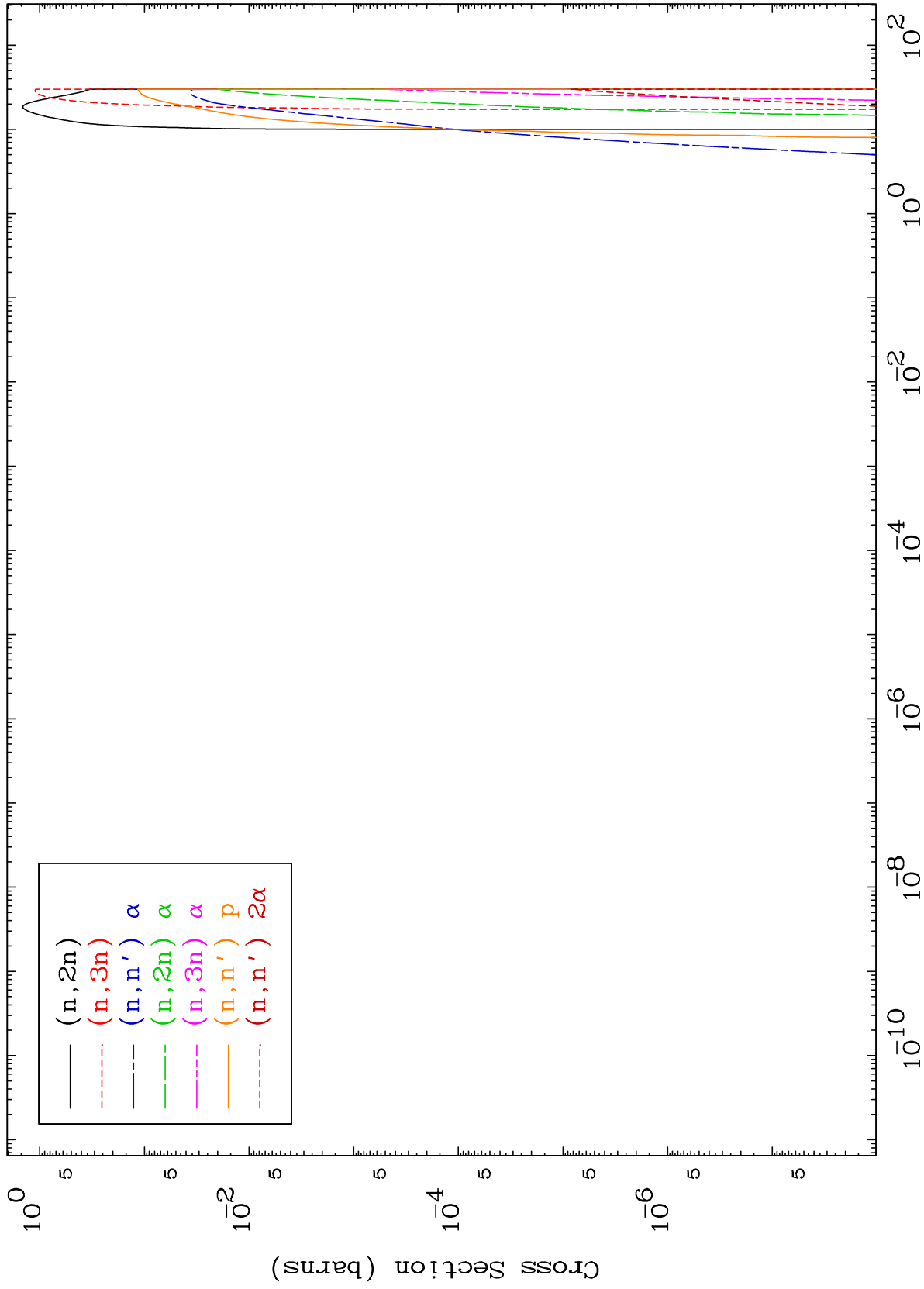
68-Er-158



MAT 6813

Neutron Production
293 Kelvin Cross Sections

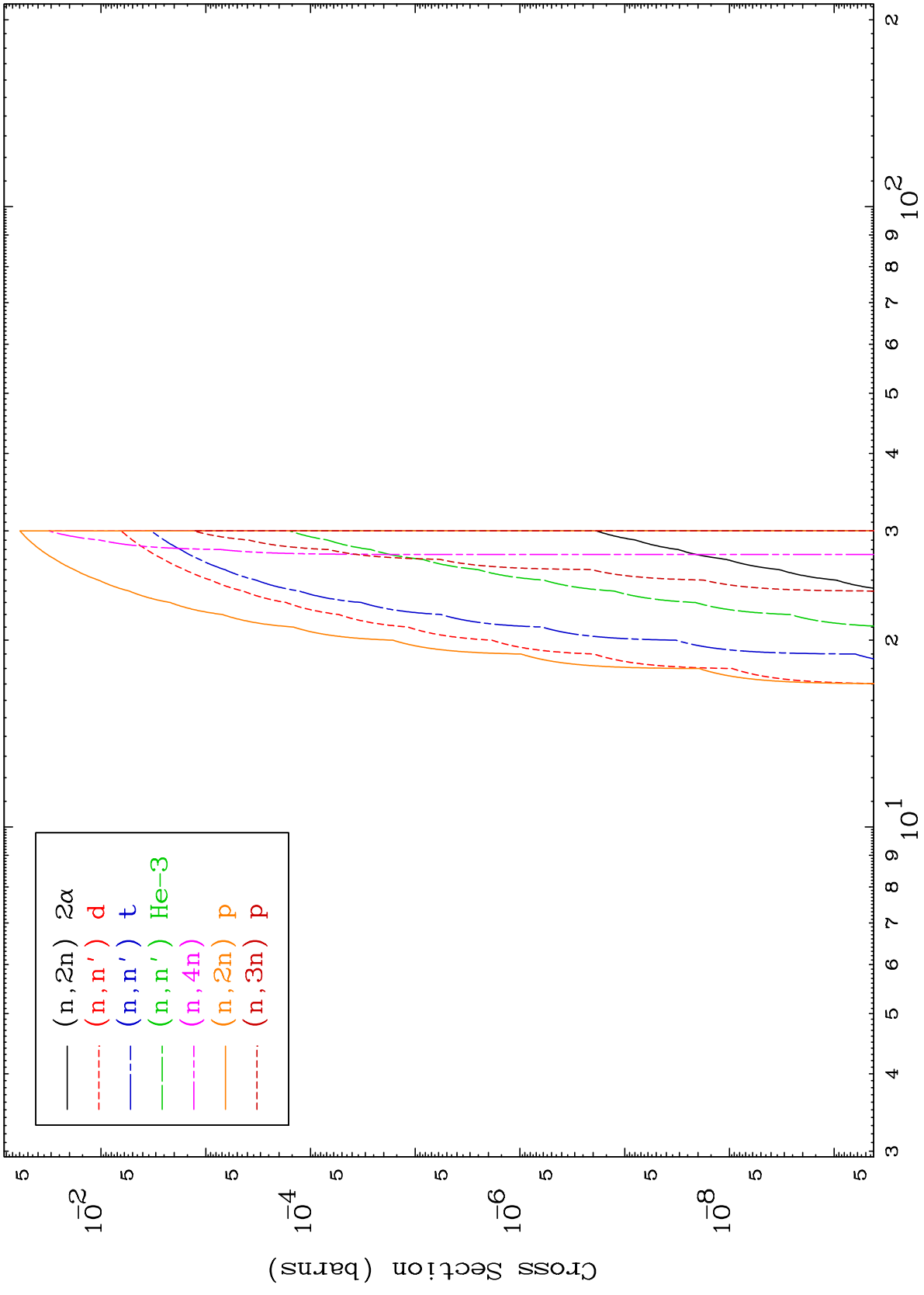
68-Er-158



2

Incident Energy (MeV)

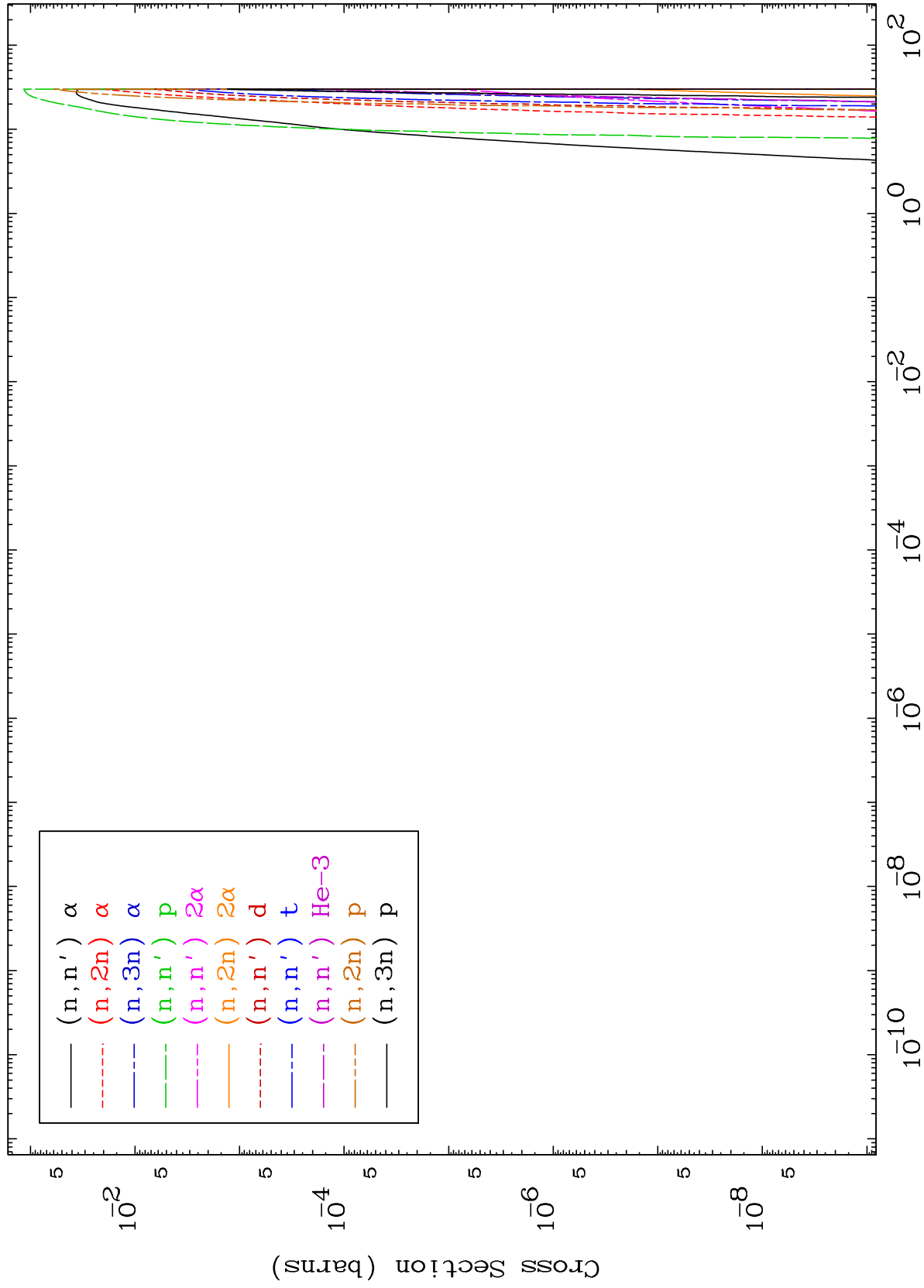
68-Er-158



MAT 6813

Charged Particle
293 Kelvin Cross Sections

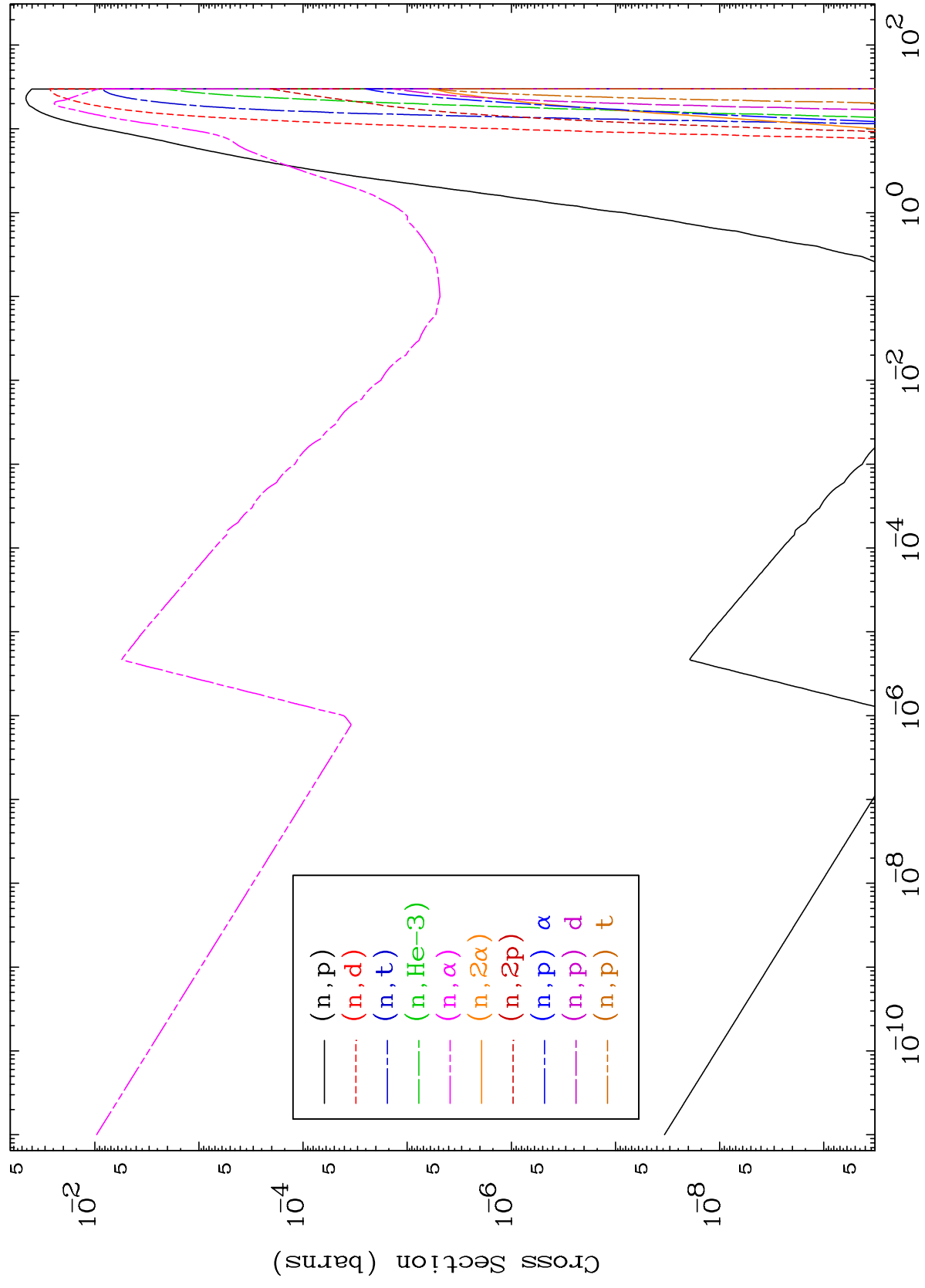
68-Er-158



MAT 6813

293 Kelvin Cross Sections

68-Er-158



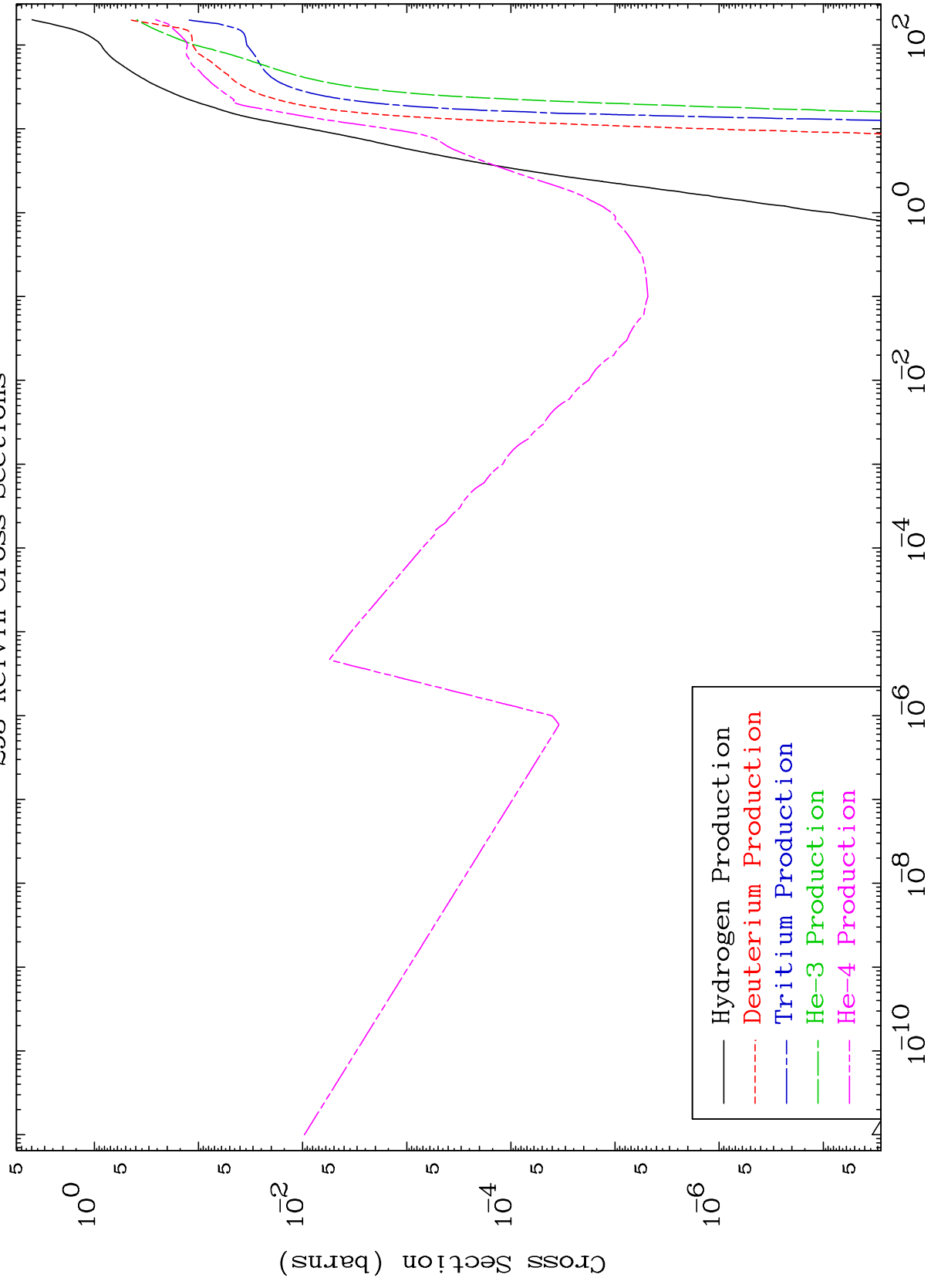
5

68-Er-158

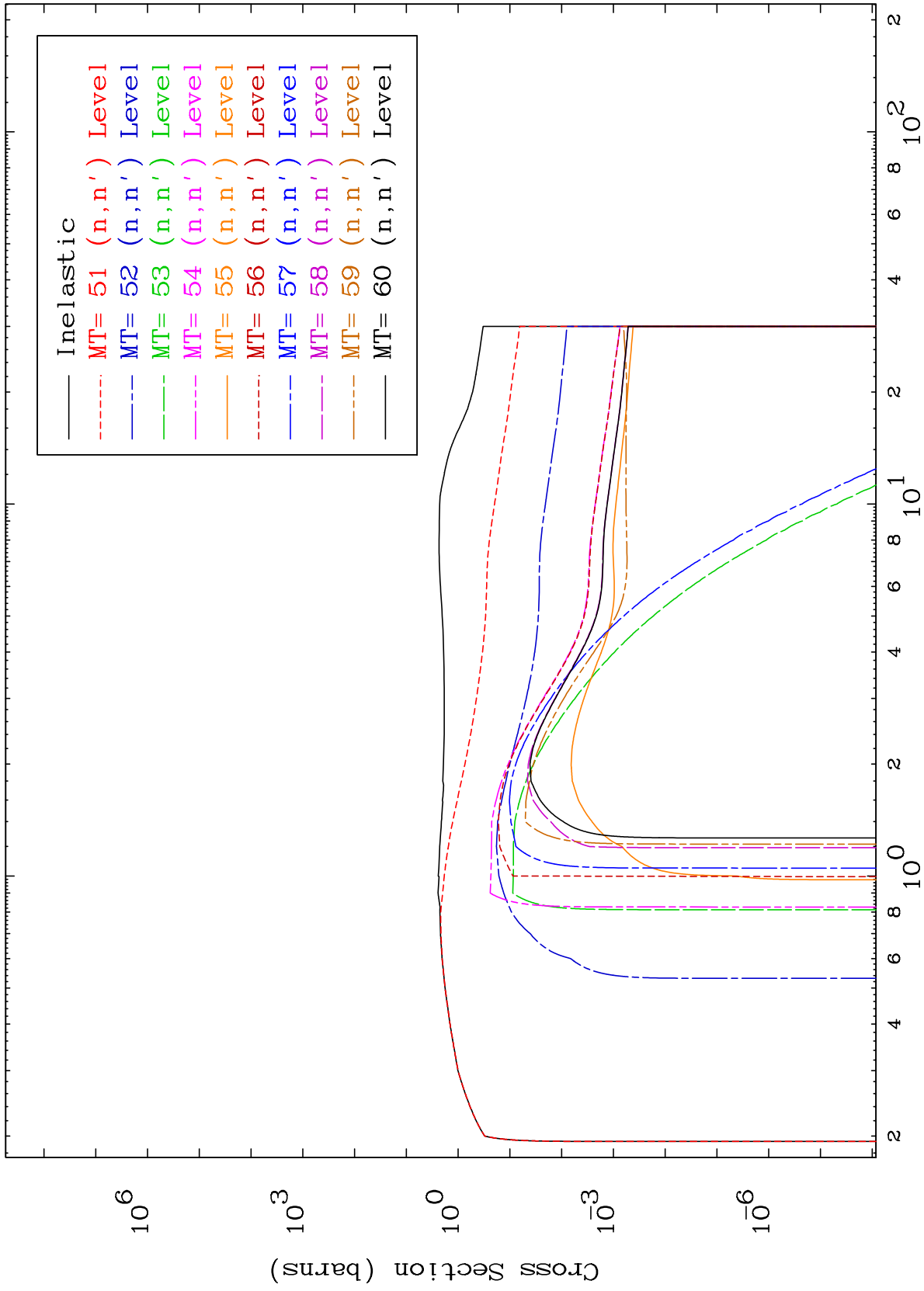
MAT 6813

Particle Production
293 Kelvin Cross Sections

68-Er-158



68-Er-158

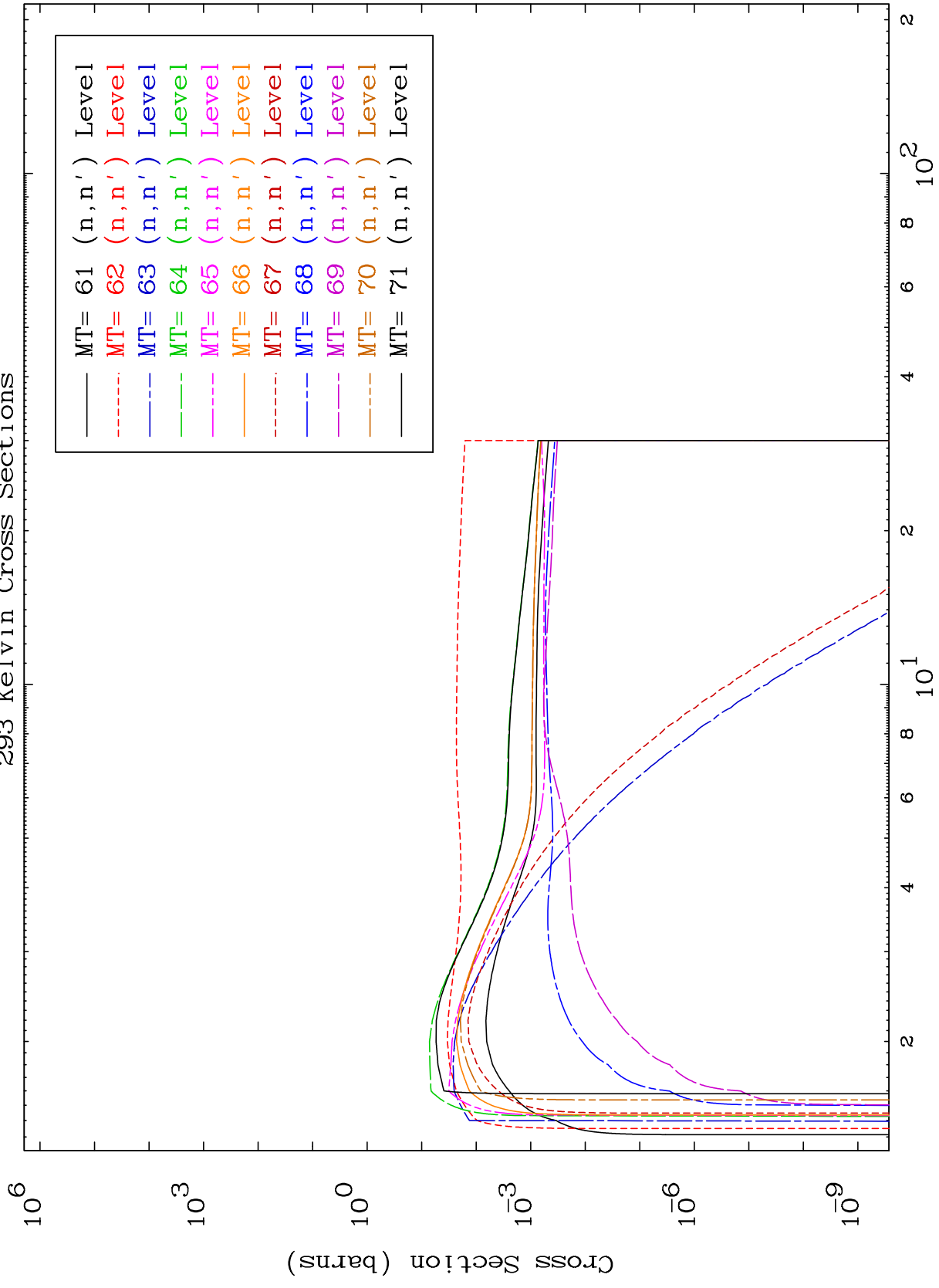


MAT 6813

(n,n') Level

68-Er-158

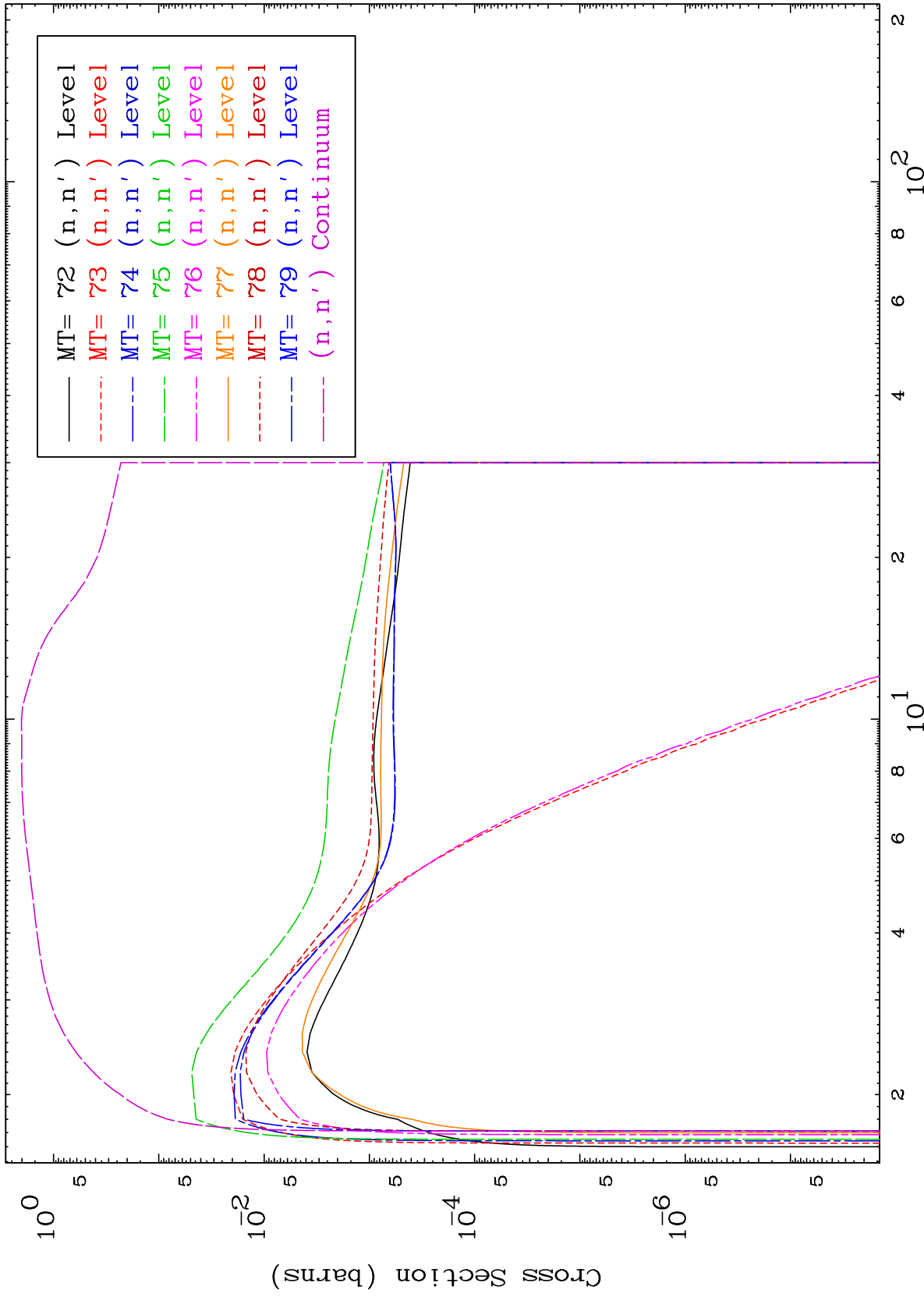
293 Kelvin Cross Sections



8

Incident Energy (MeV)

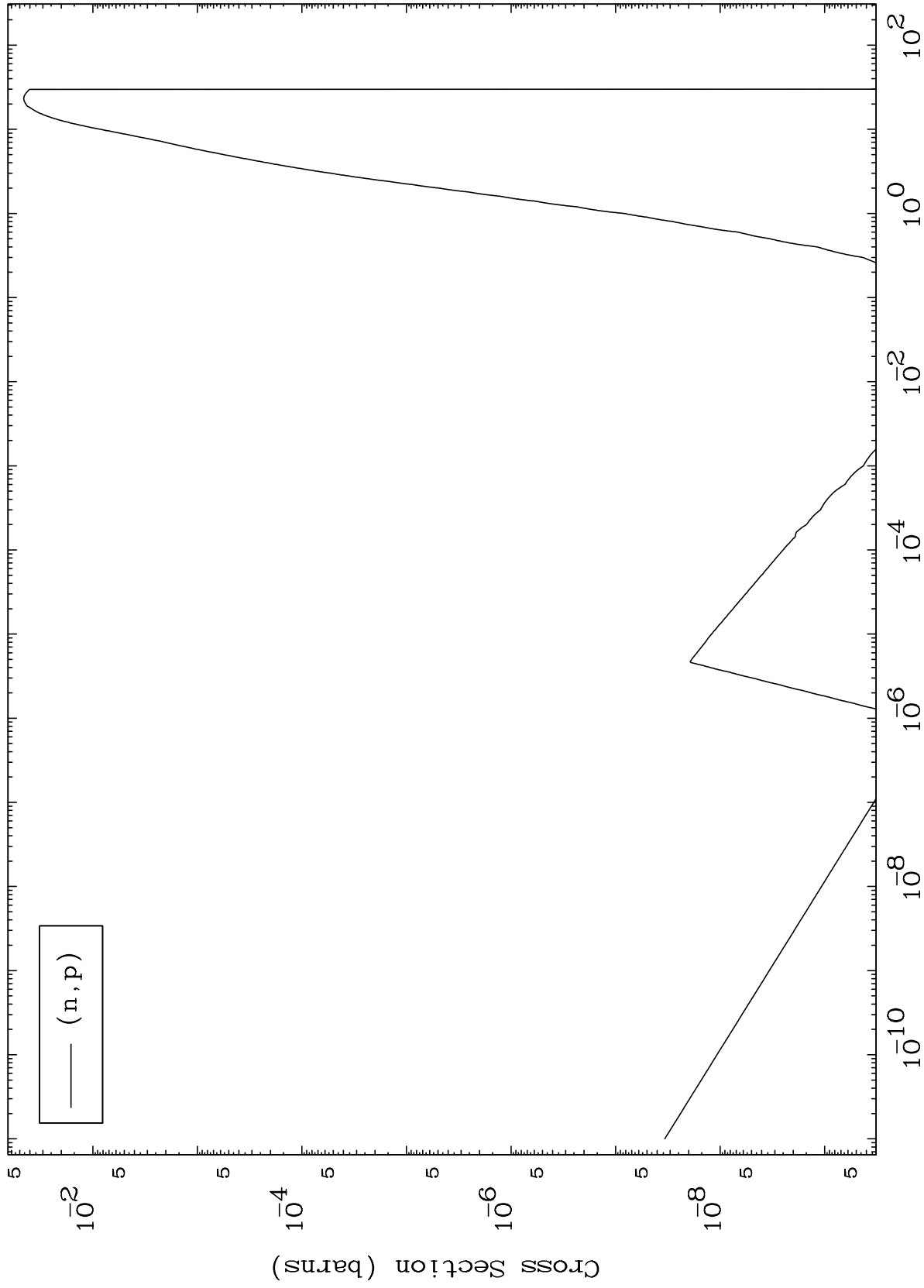
68-Er-158



MAT 6813

(n,p) Levels
293 Kelvin Cross Sections

68-Er-158



10

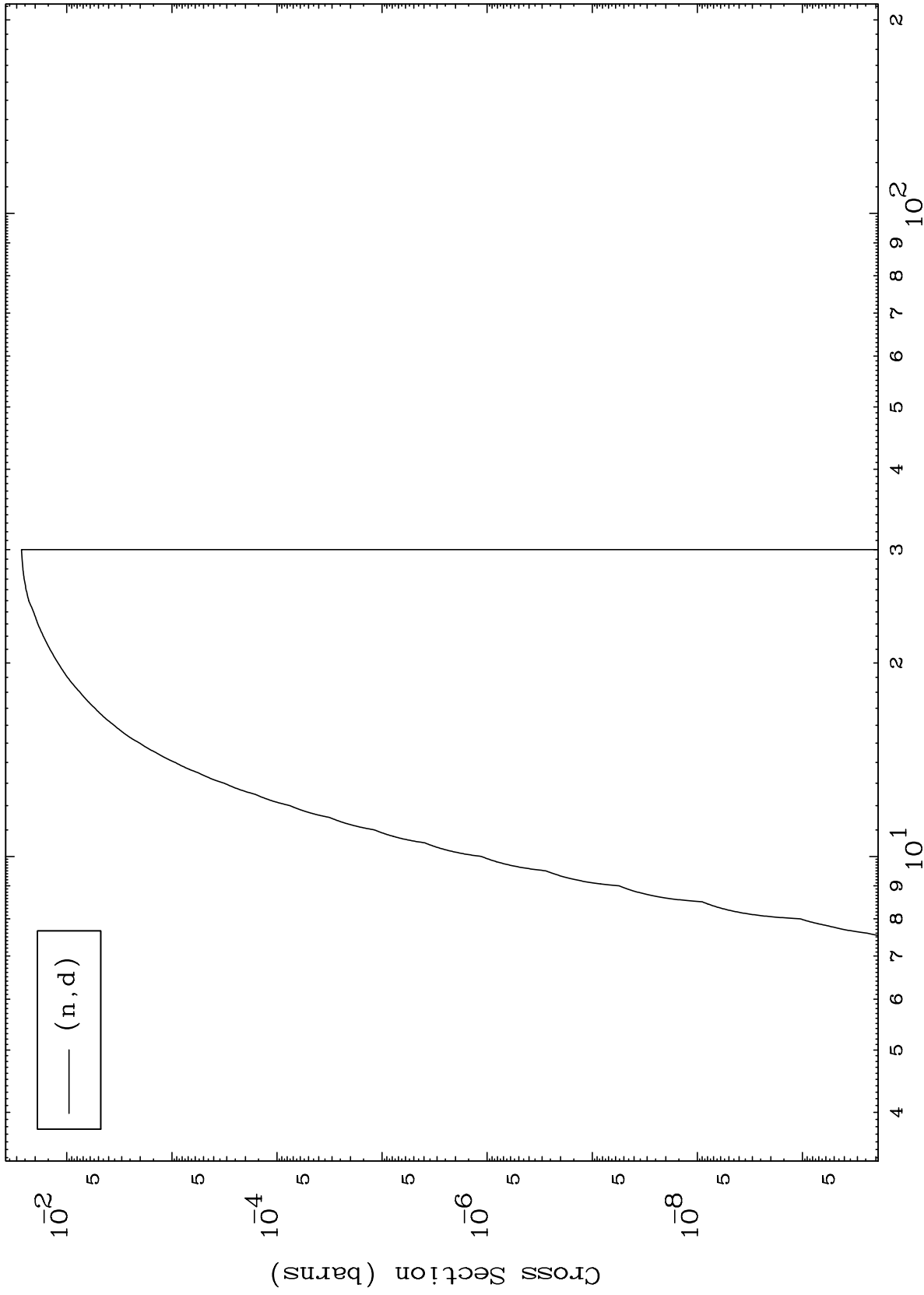
Incident Energy (MeV)

68-Er-158

MAT 6813

(n,d) Levels
293 Kelvin Cross Sections

68-Er-158



11

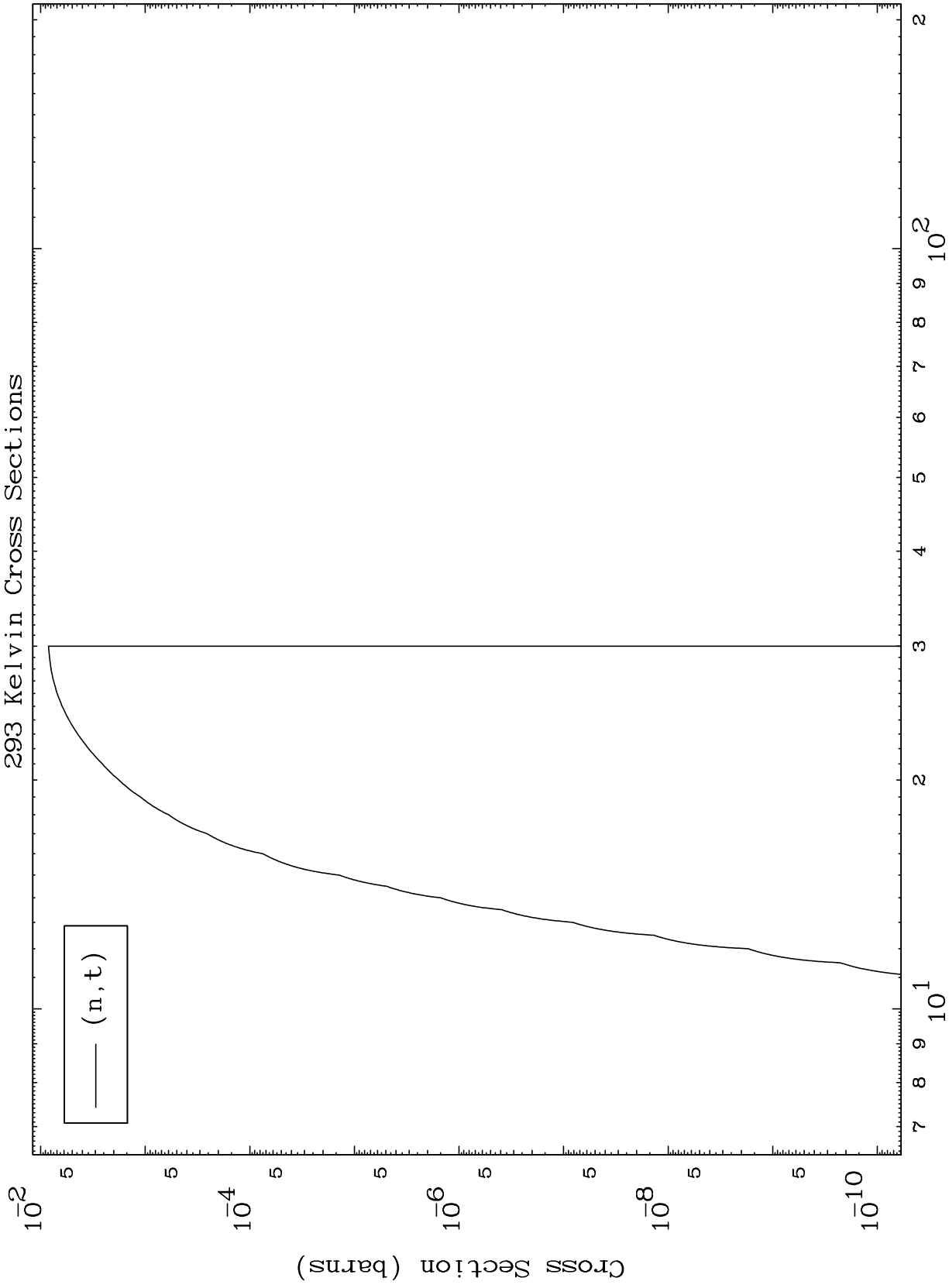
Incident Energy (MeV)

68-Er-158

MAT 6813

(n,t) Levels
293 Kelvin Cross Sections

68-Er-158



12

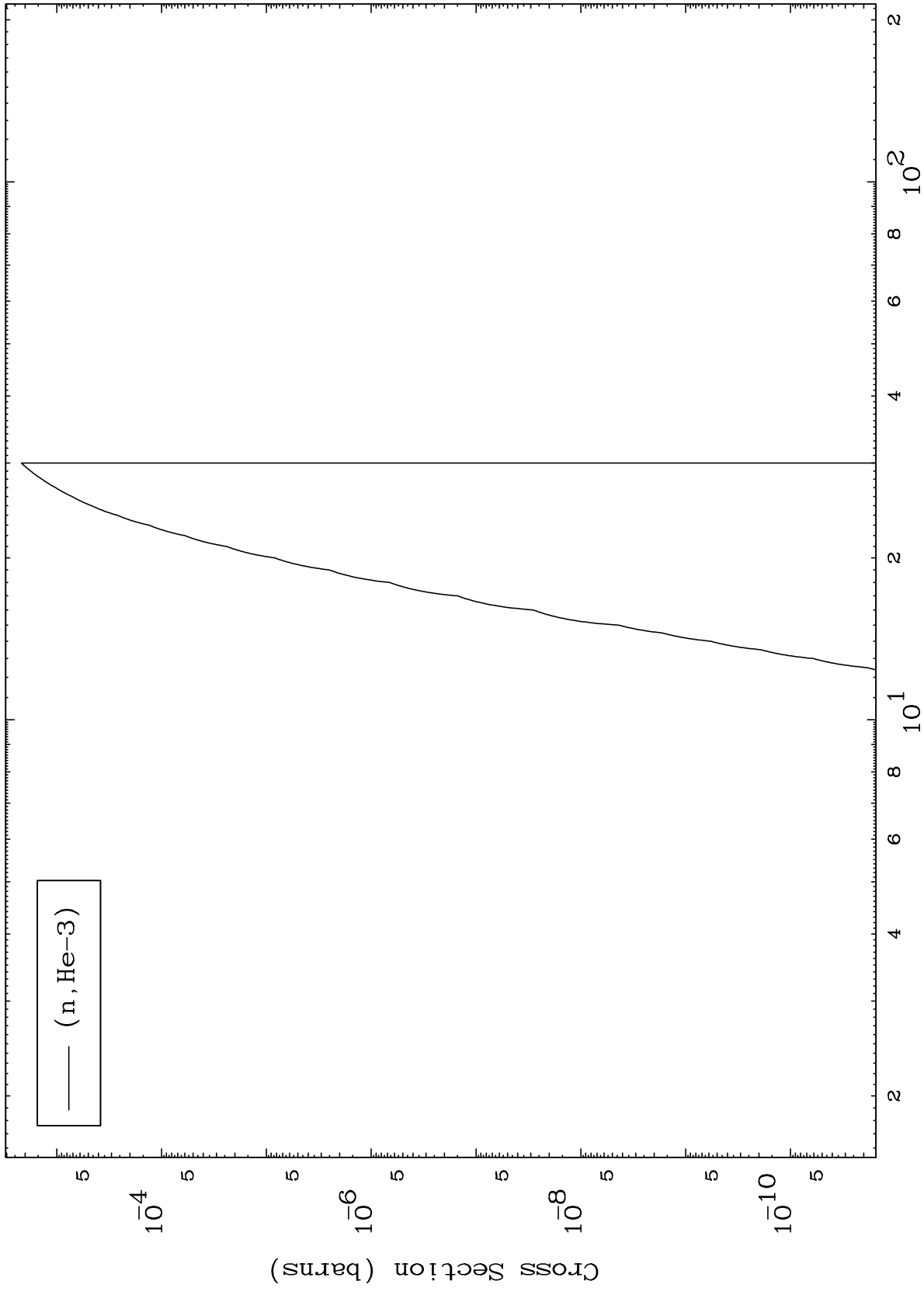
Incident Energy (MeV)

68-Er-158

MAT 6813

(n,He3) Levels
293 Kelvin Cross Sections

68-Er-158



13

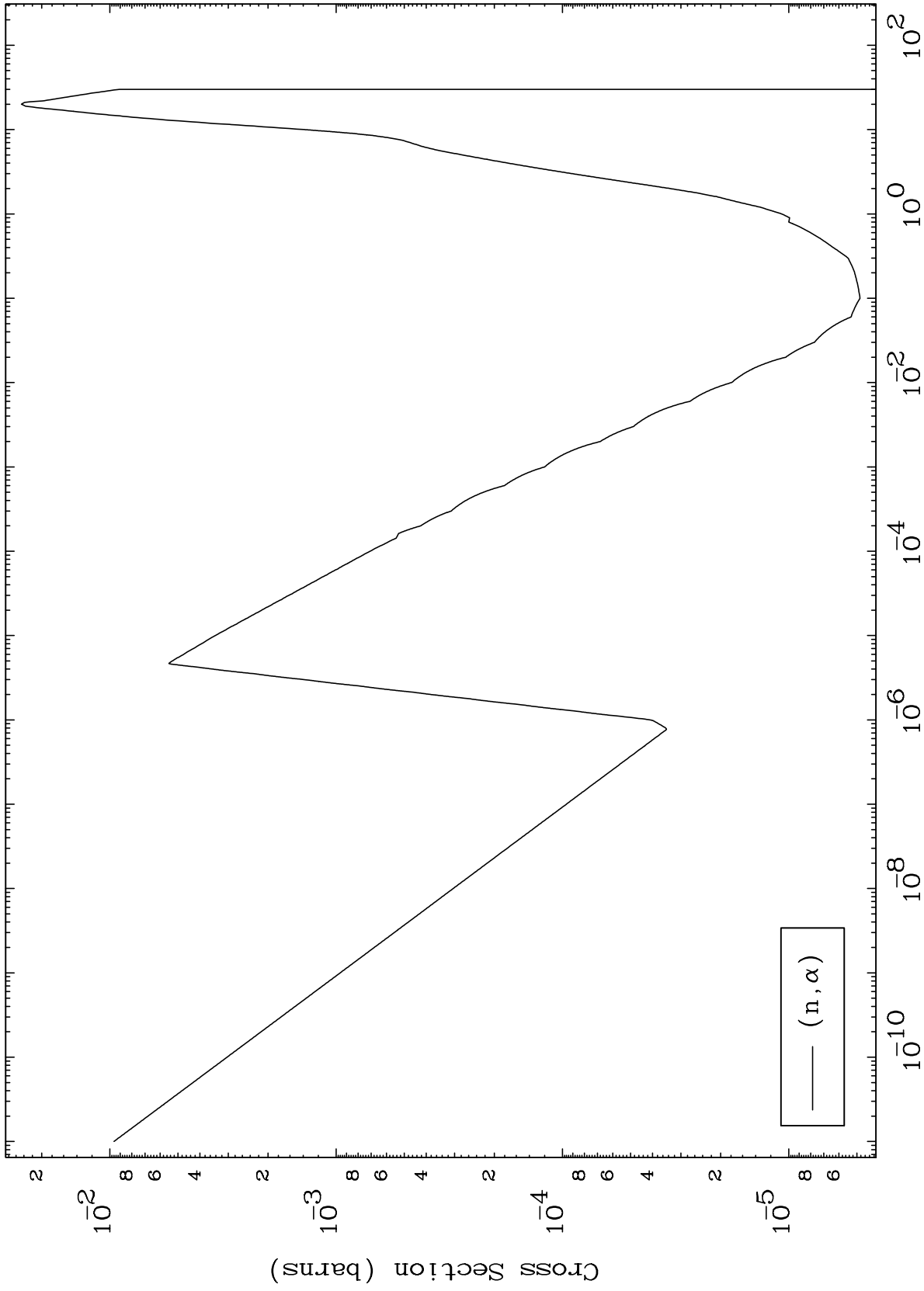
Incident Energy (MeV)

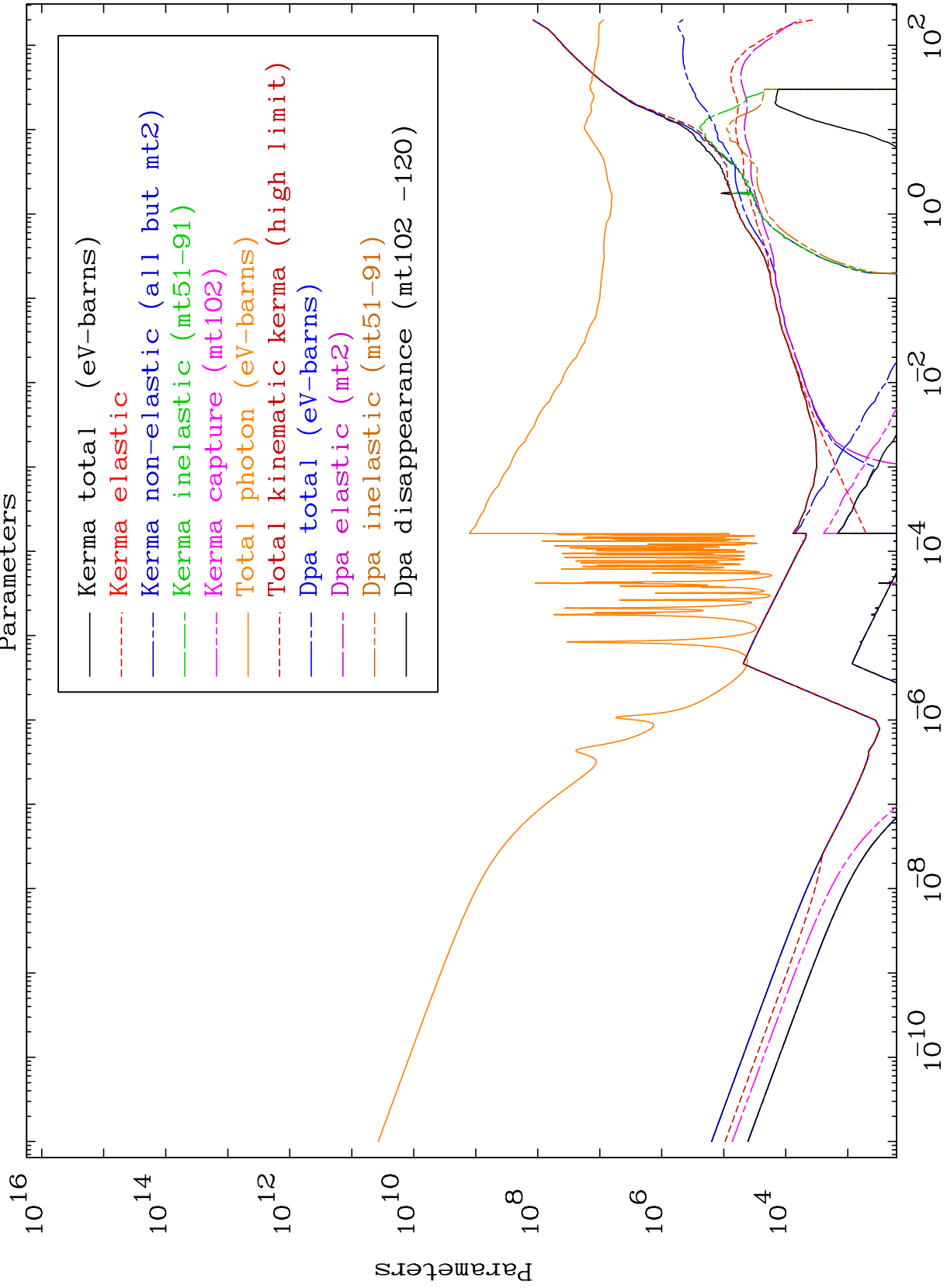
68-Er-158

MAT 6813

(n,α) Levels
293 Kelvin Cross Sections

68-Er-158

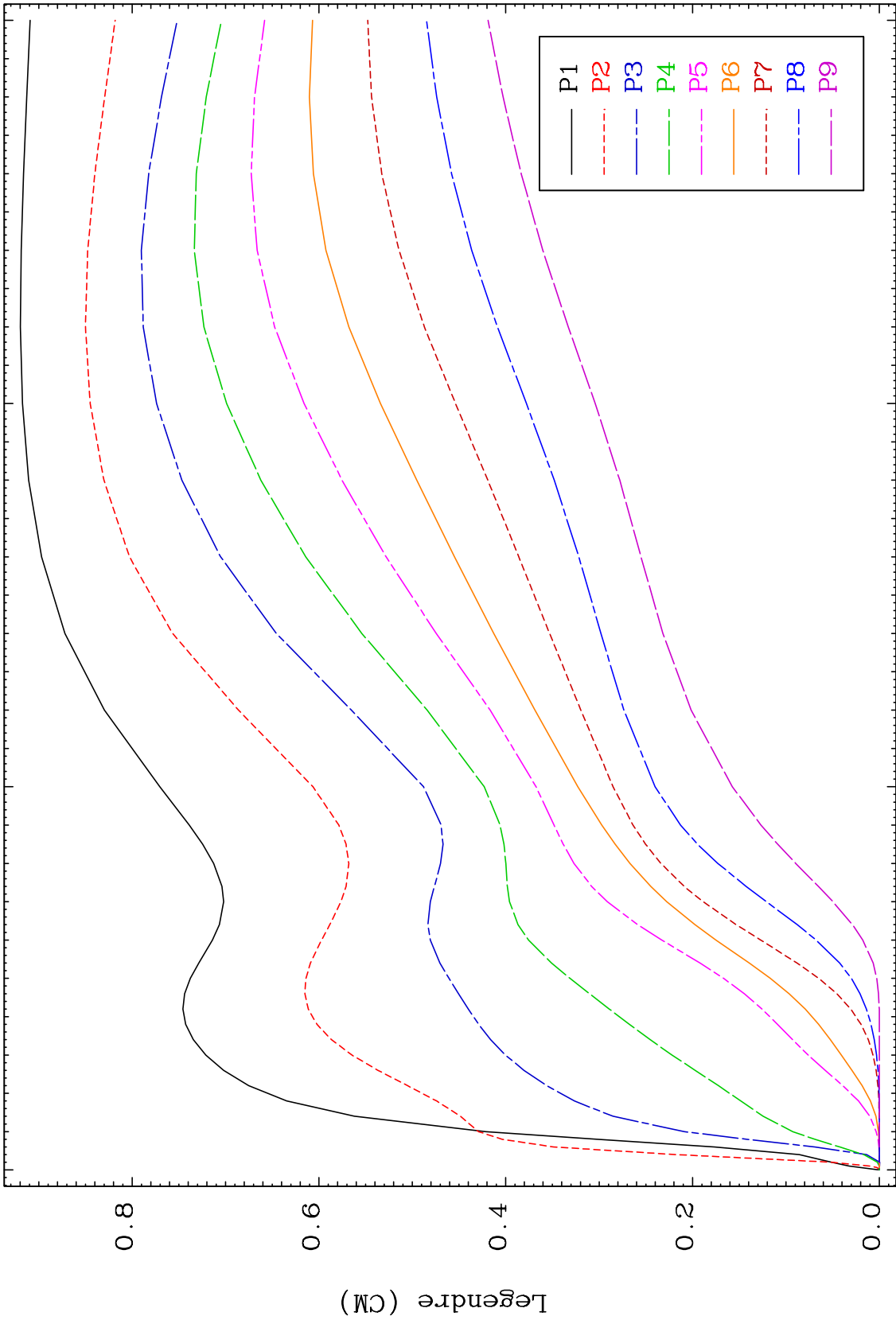




MAT 6813

68-Er-158

Elastic Legendre Coefficients



16

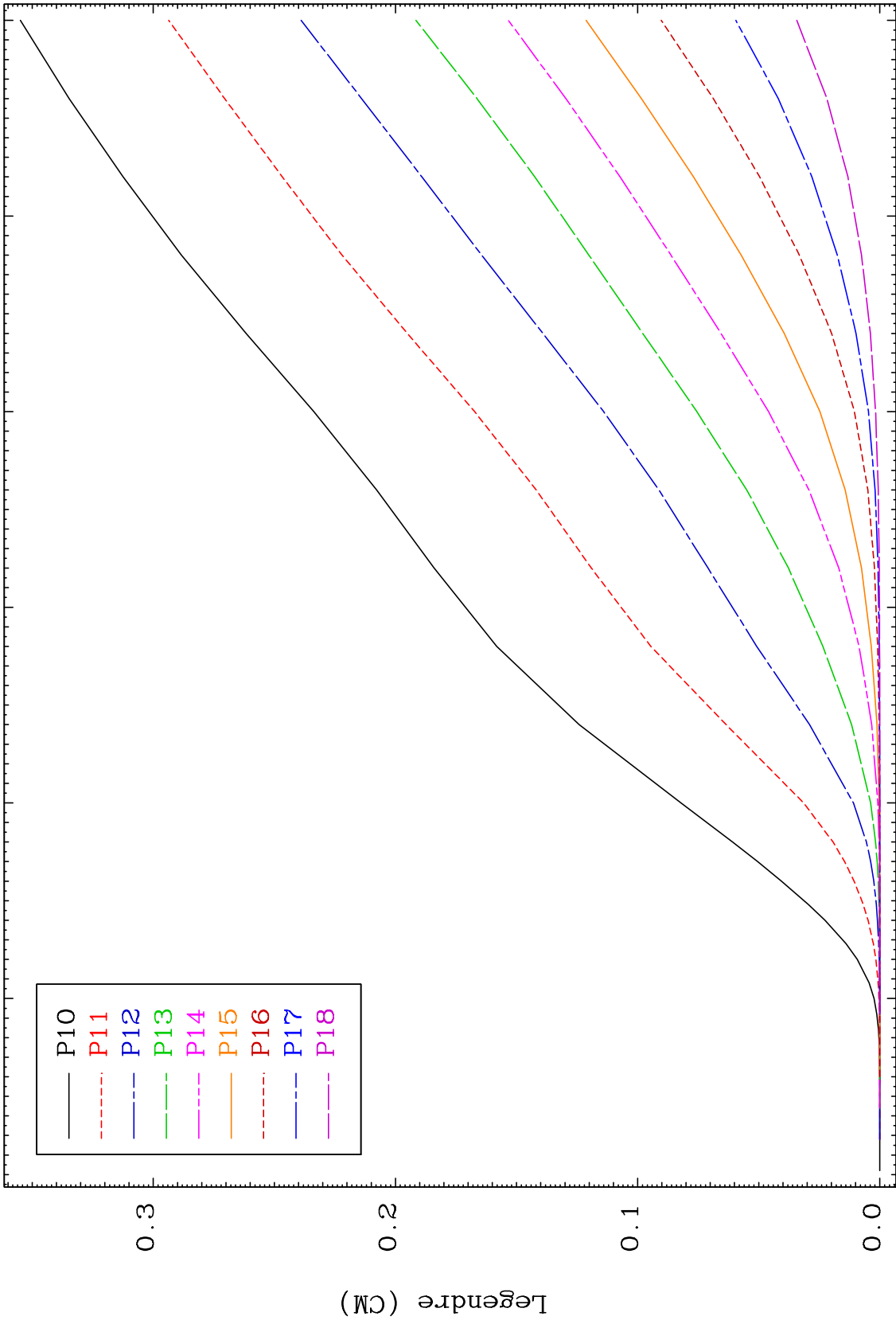
Incident Energy (MeV)

68-Er-158

MAT 6813

Elastic Legendre Coefficients

68-Er-158



17

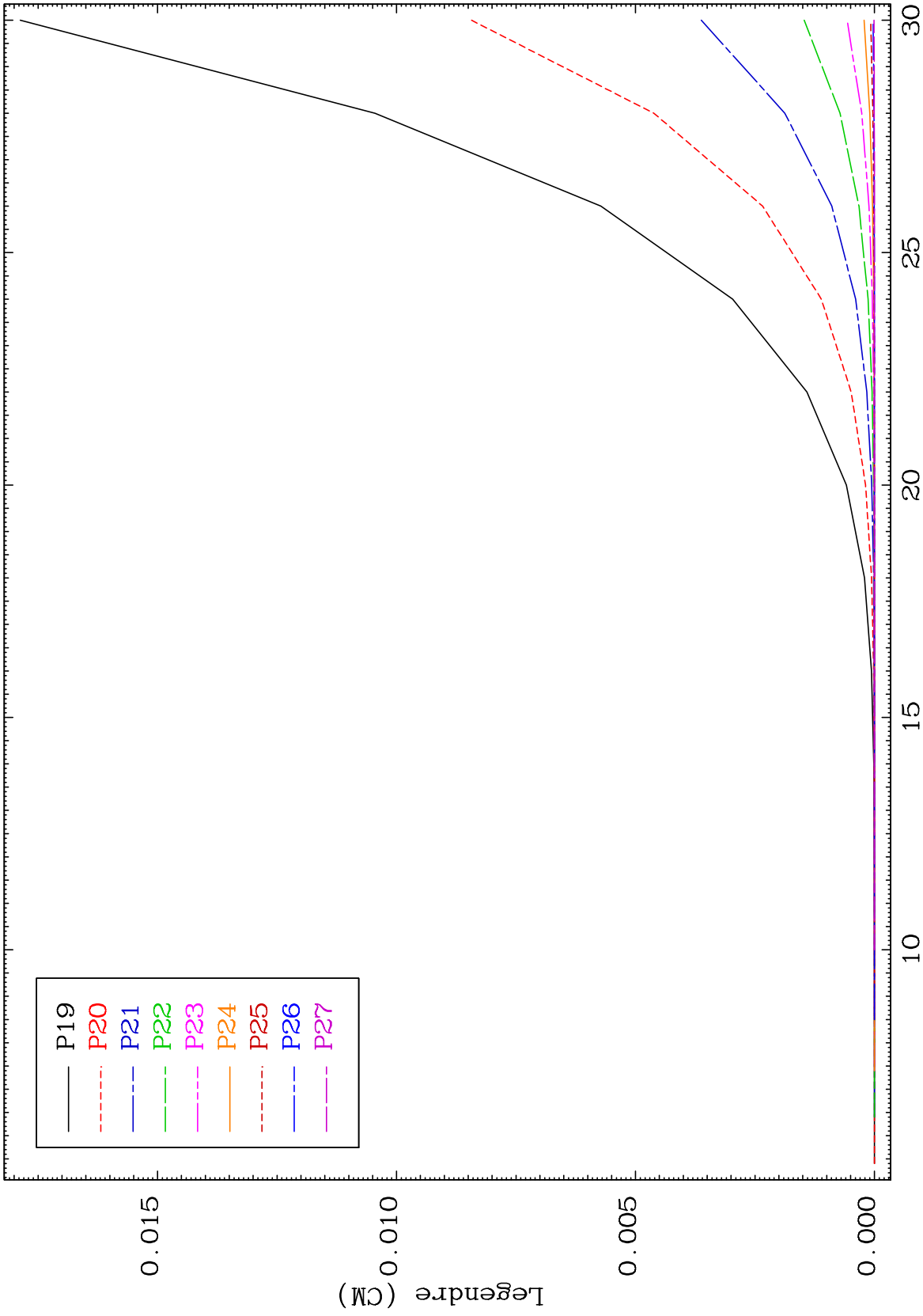
Incident Energy (MeV)

68-Er-158

MAT 6813

Elastic Legendre Coefficients

68-Er-158



18

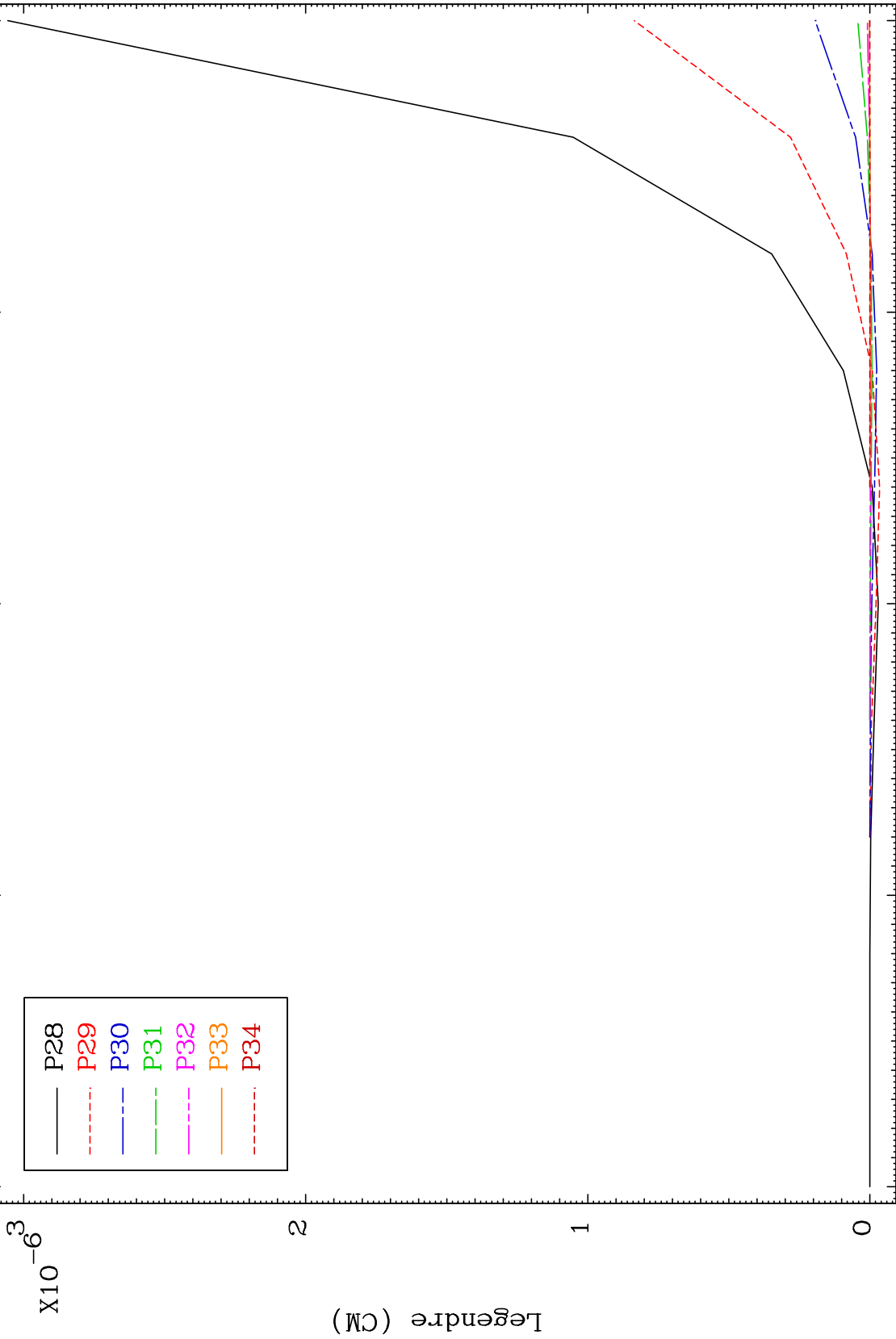
Incident Energy (MeV)

68-Er-158

MAT 6813

Elastic Legendre Coefficients

68-Er-158



19

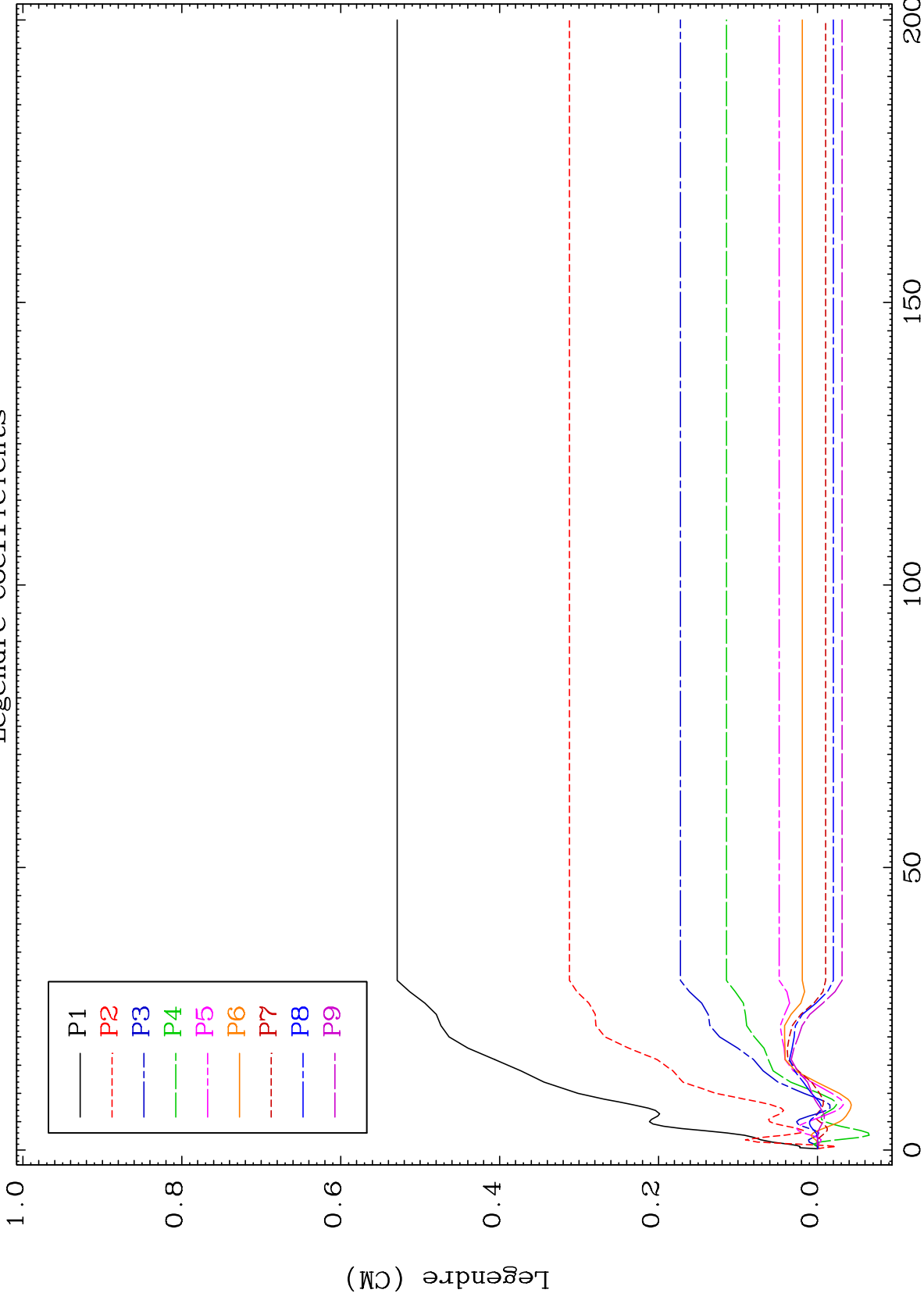
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



68-Er-158

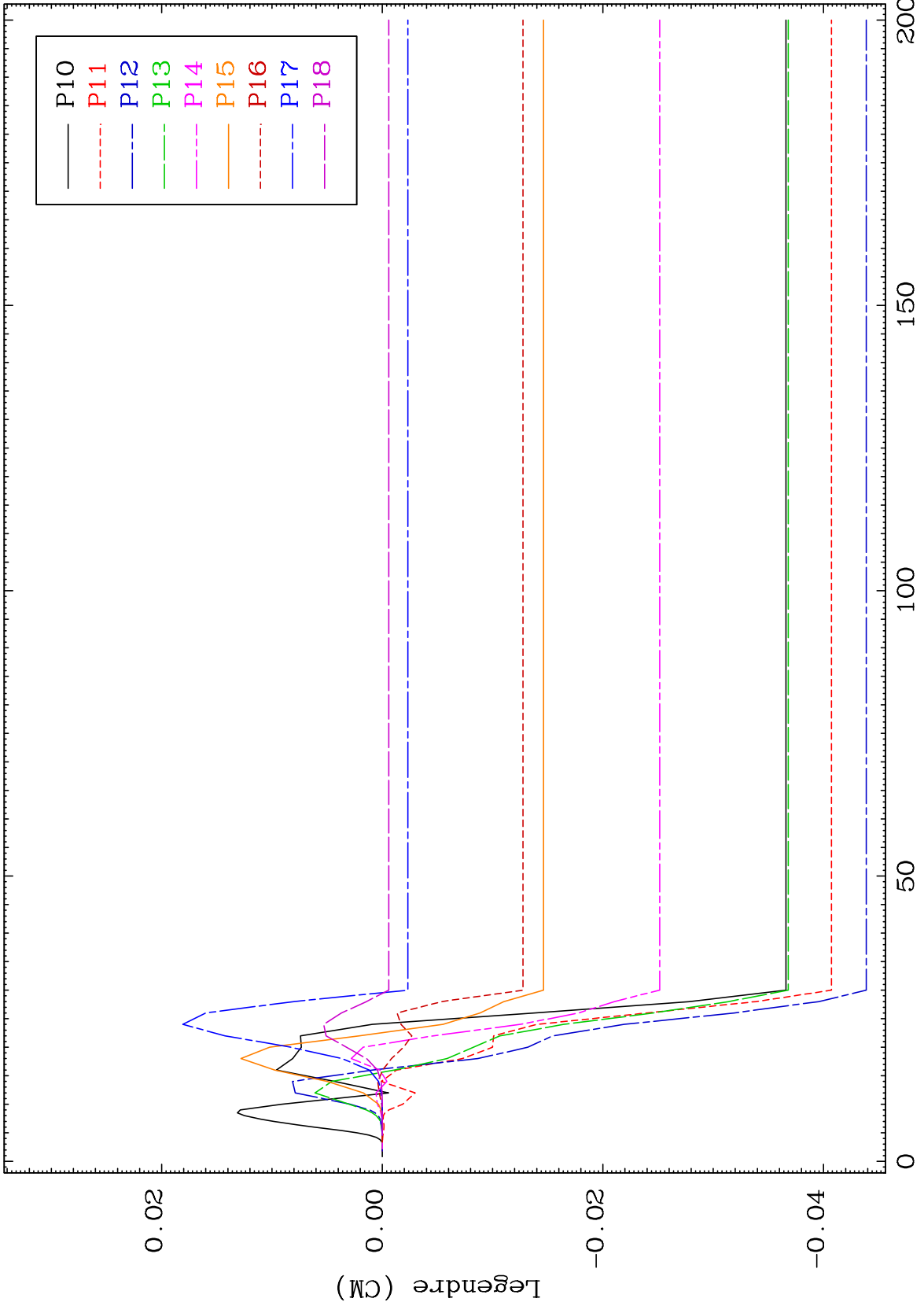
Incident Energy (MeV)

Legendre (CM)

MAT 6813

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

68-Er-158



21

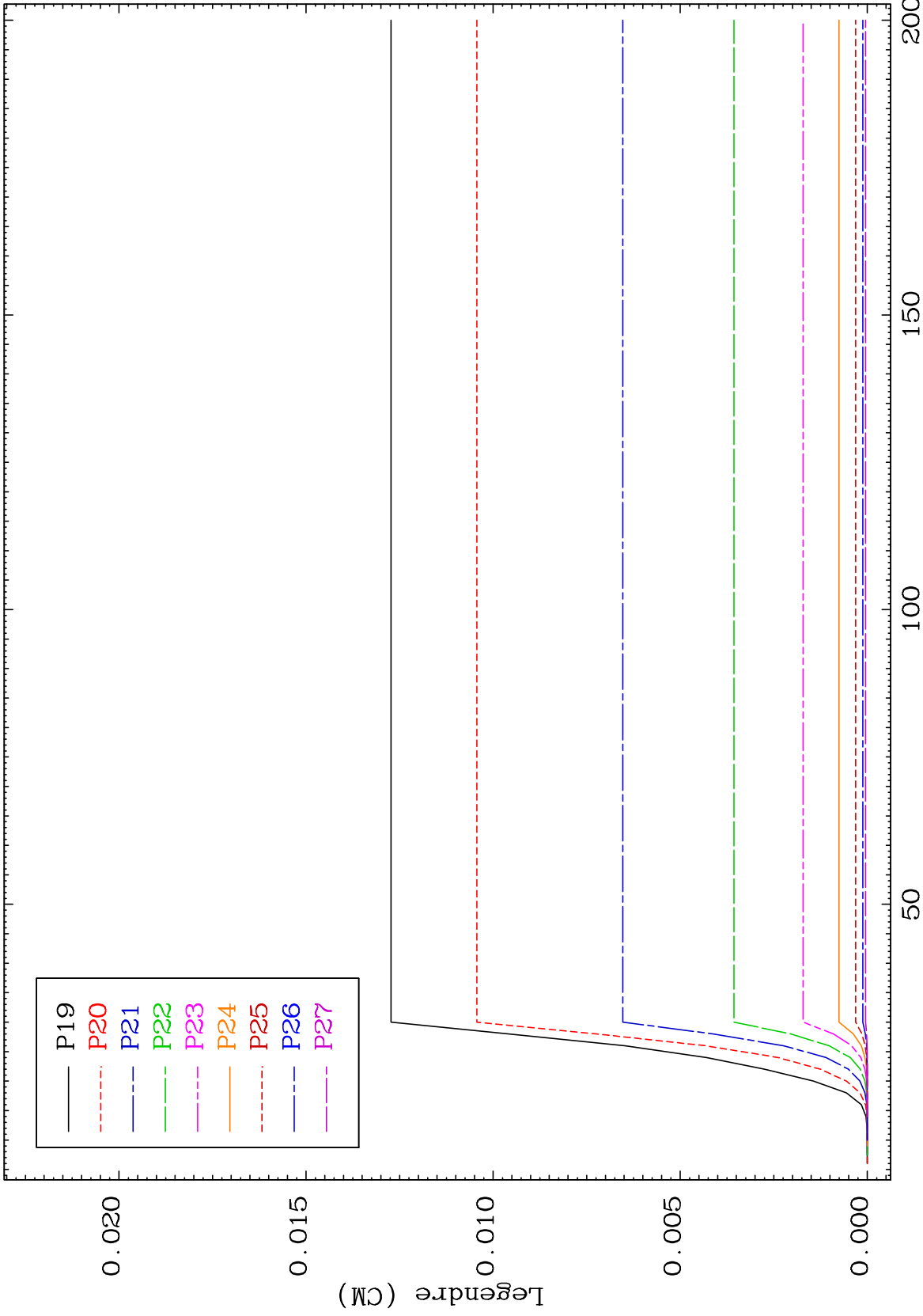
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



22

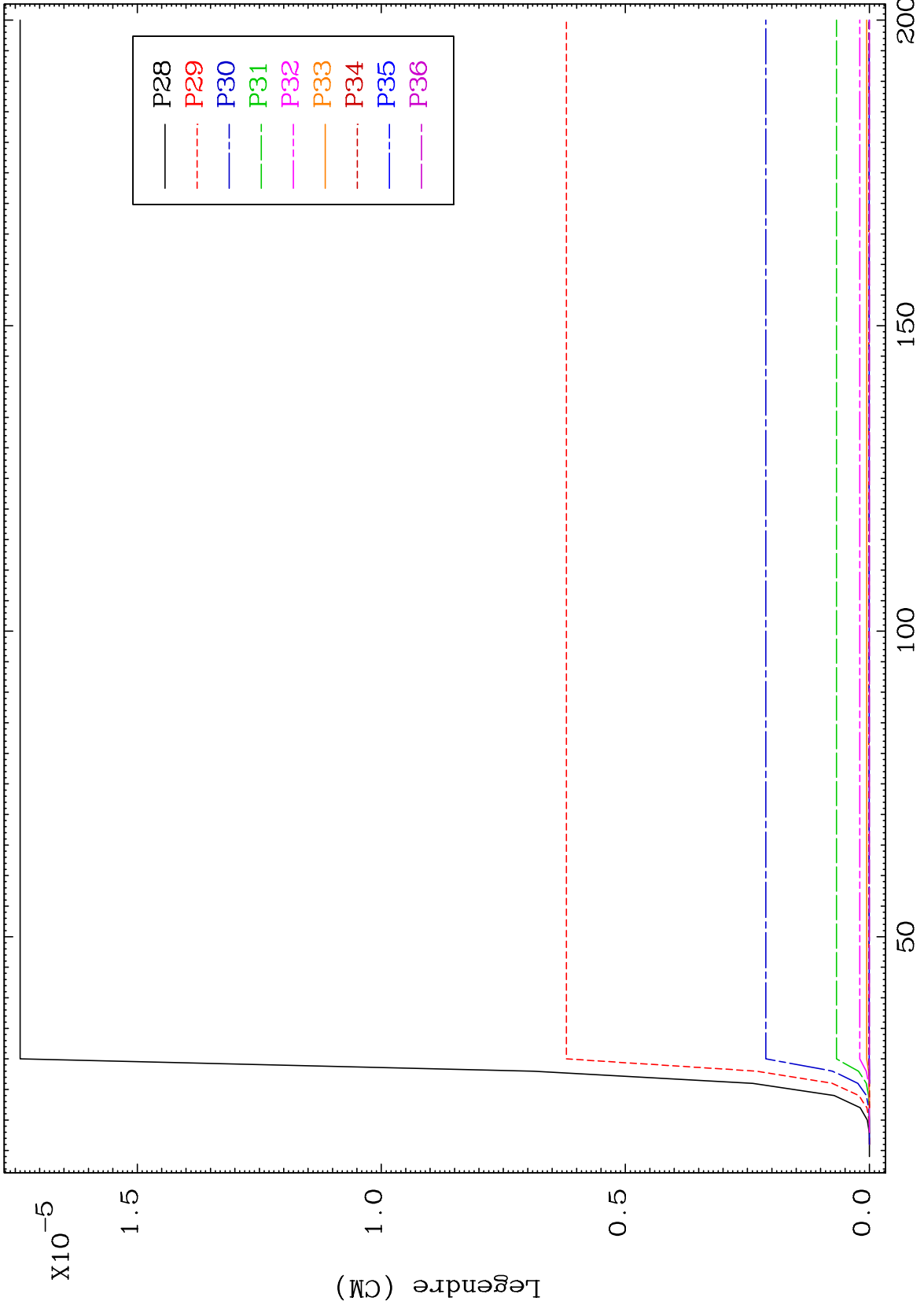
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



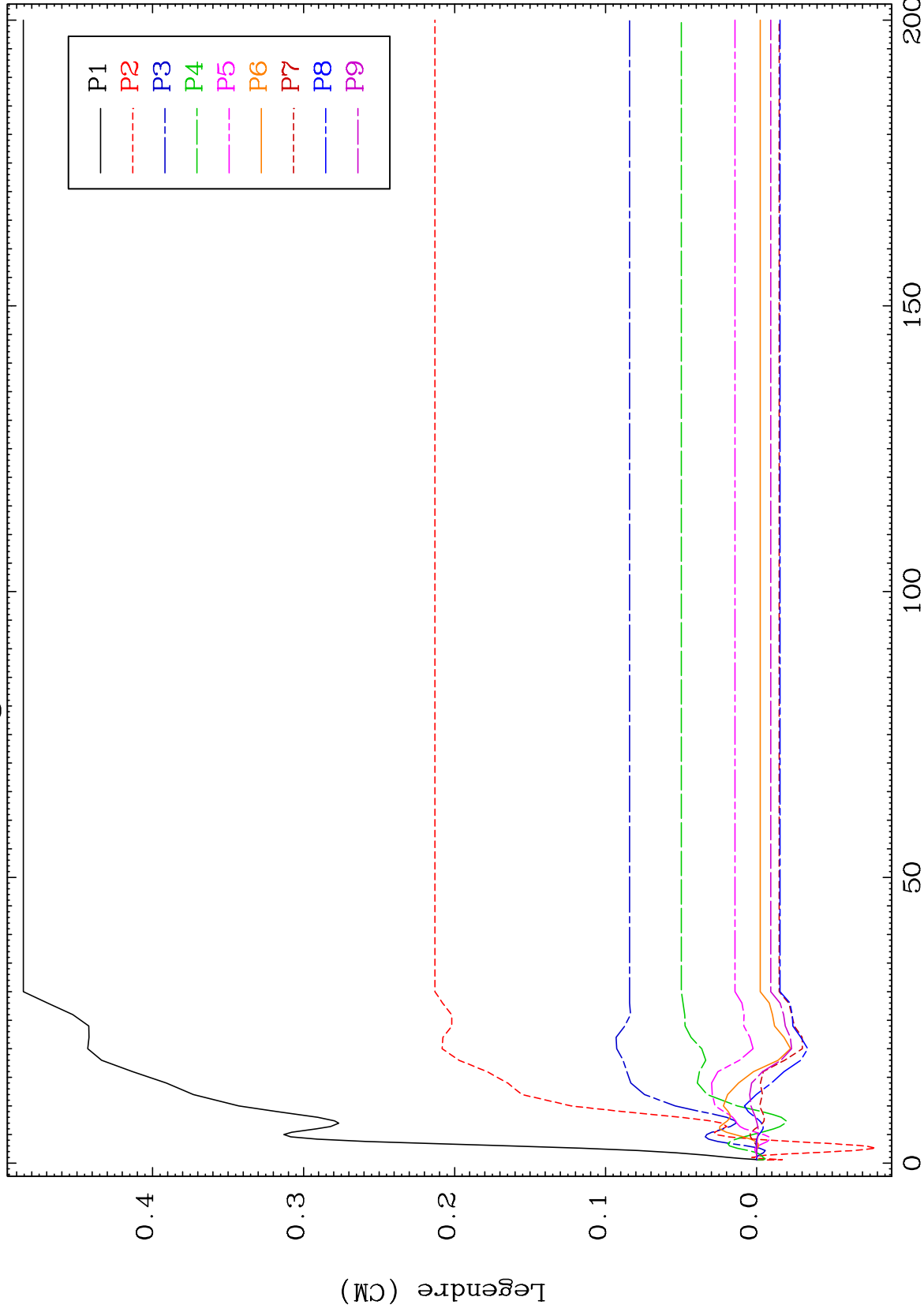
23

68-Er-158

MAT 6813

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

68-Er-158



24

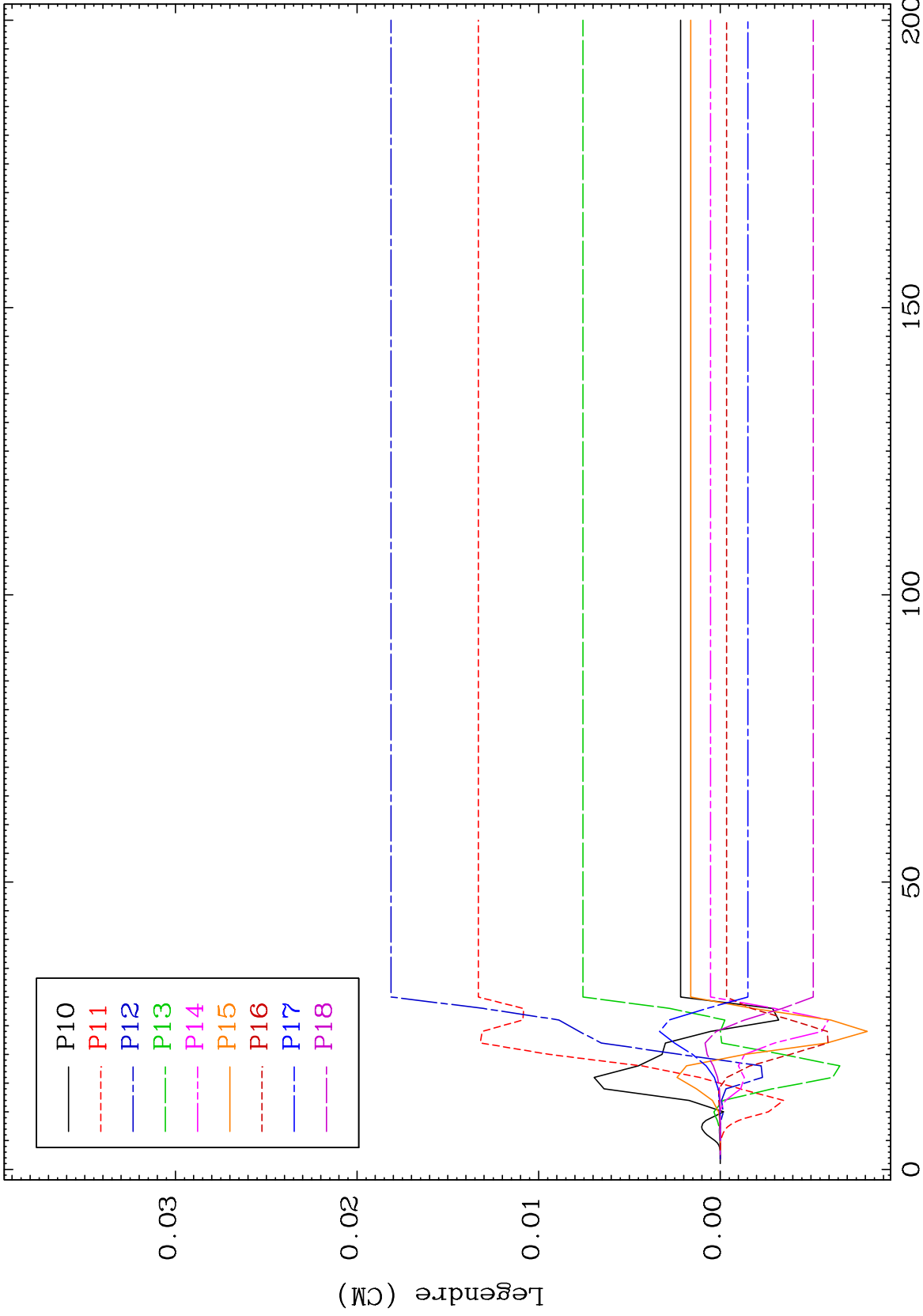
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



25

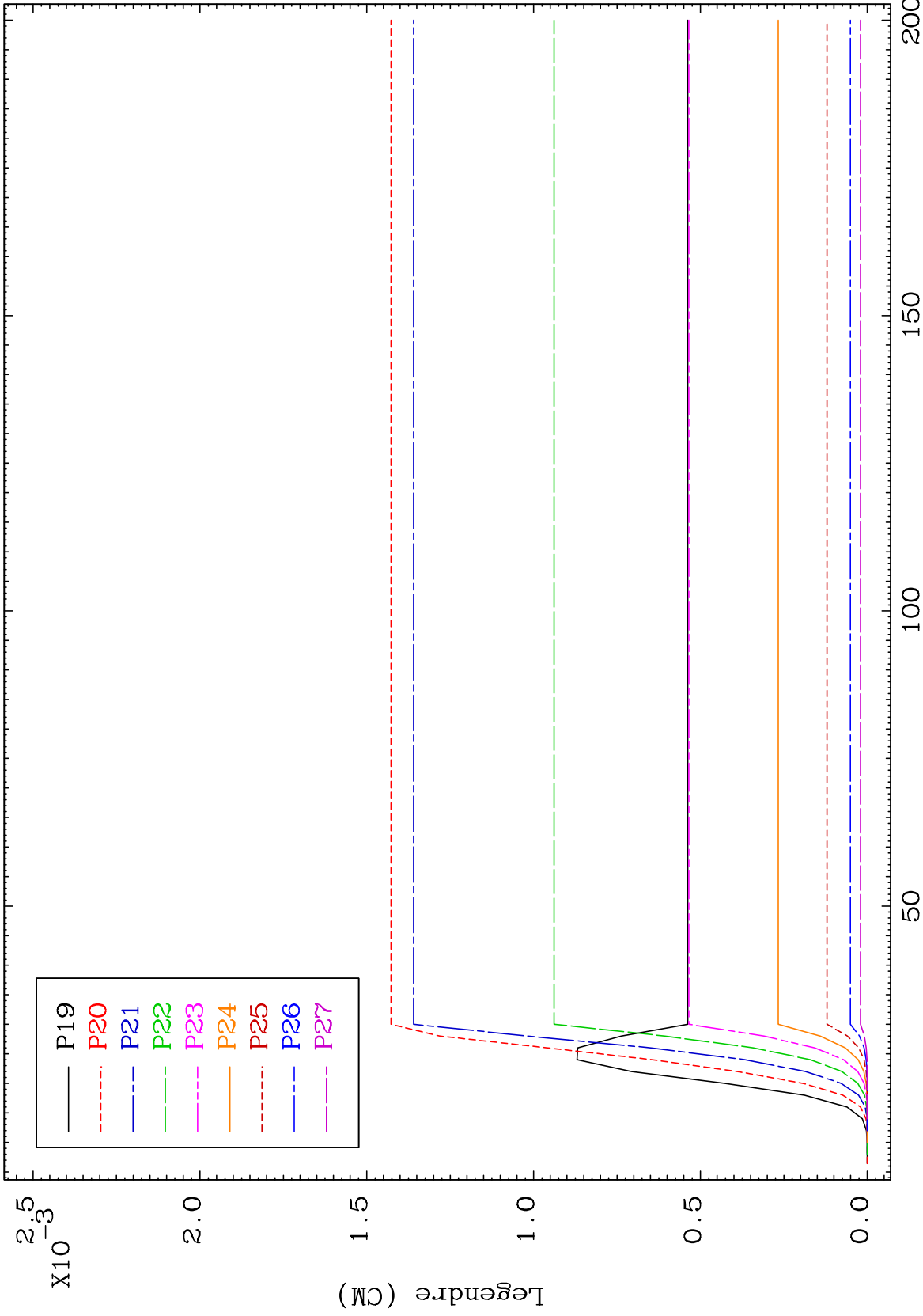
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



26

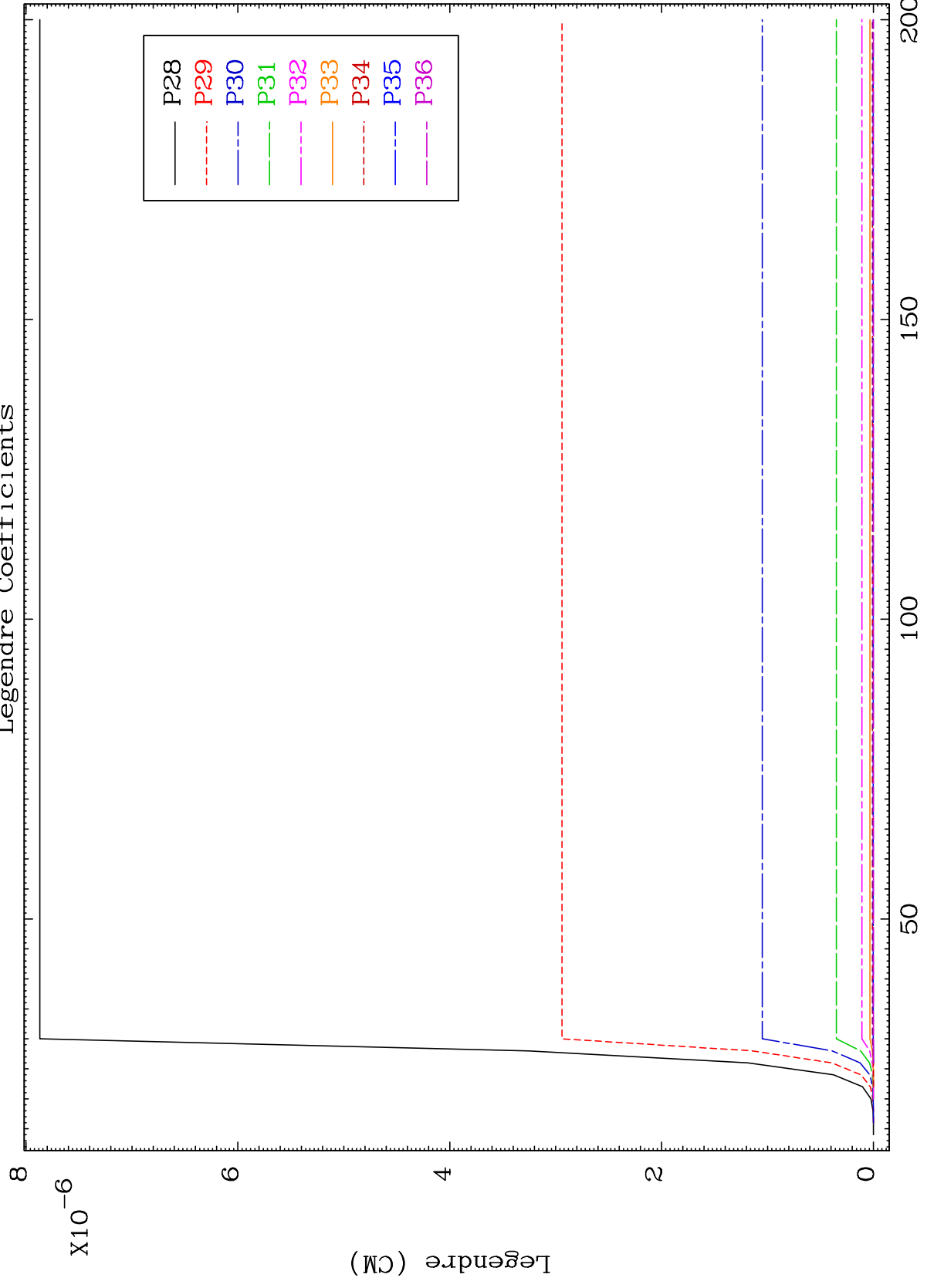
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



27

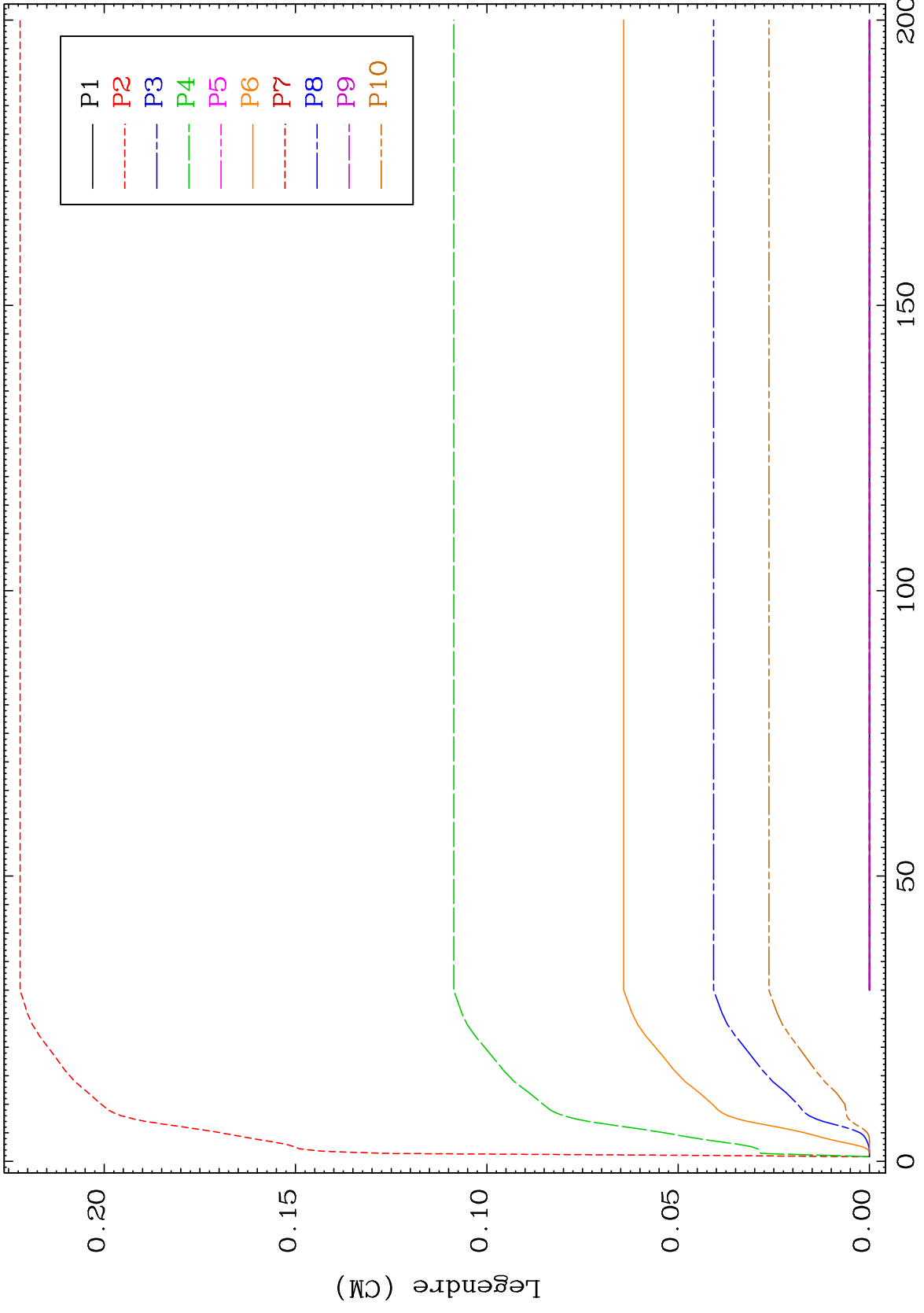
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



28

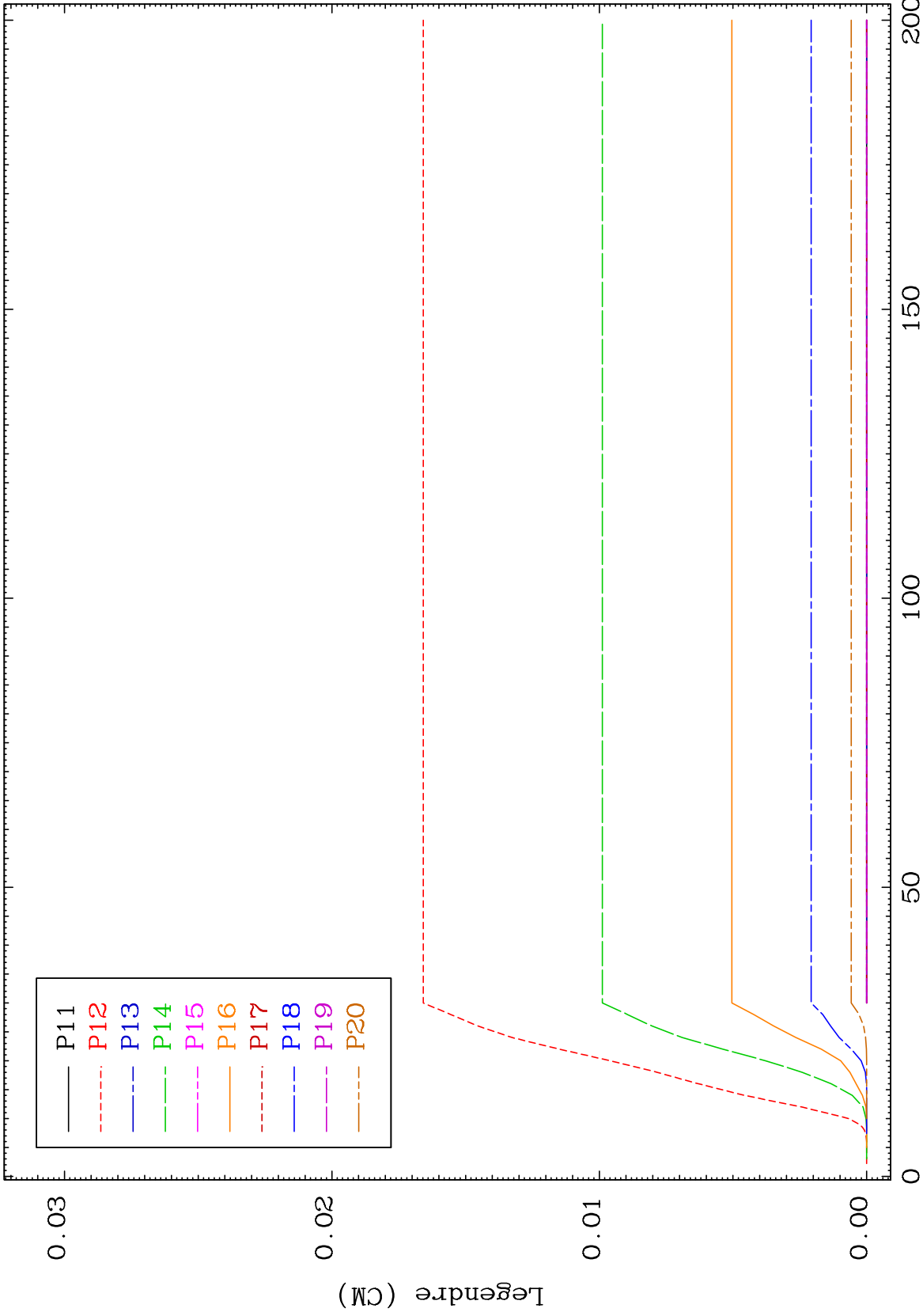
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



29

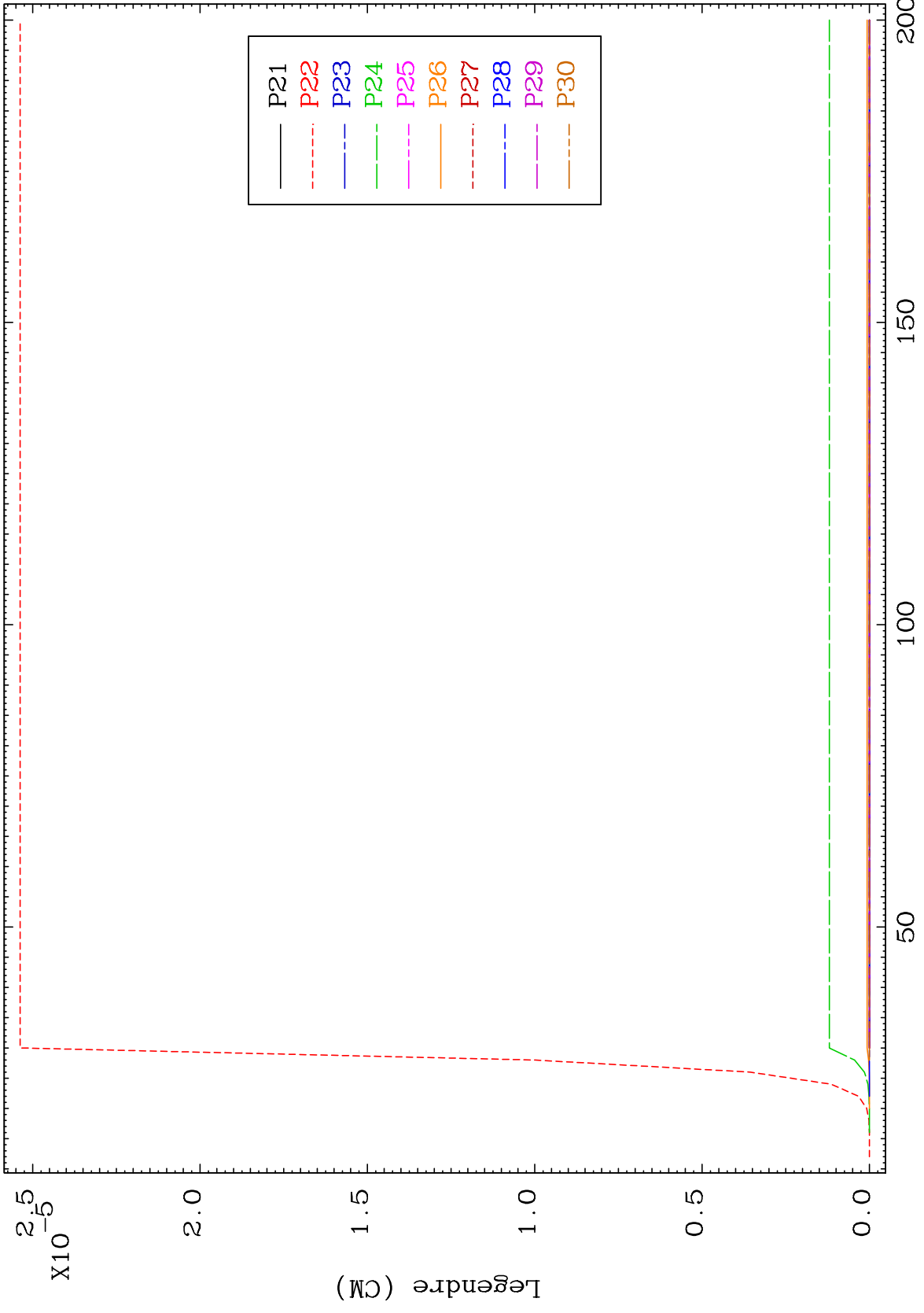
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



30

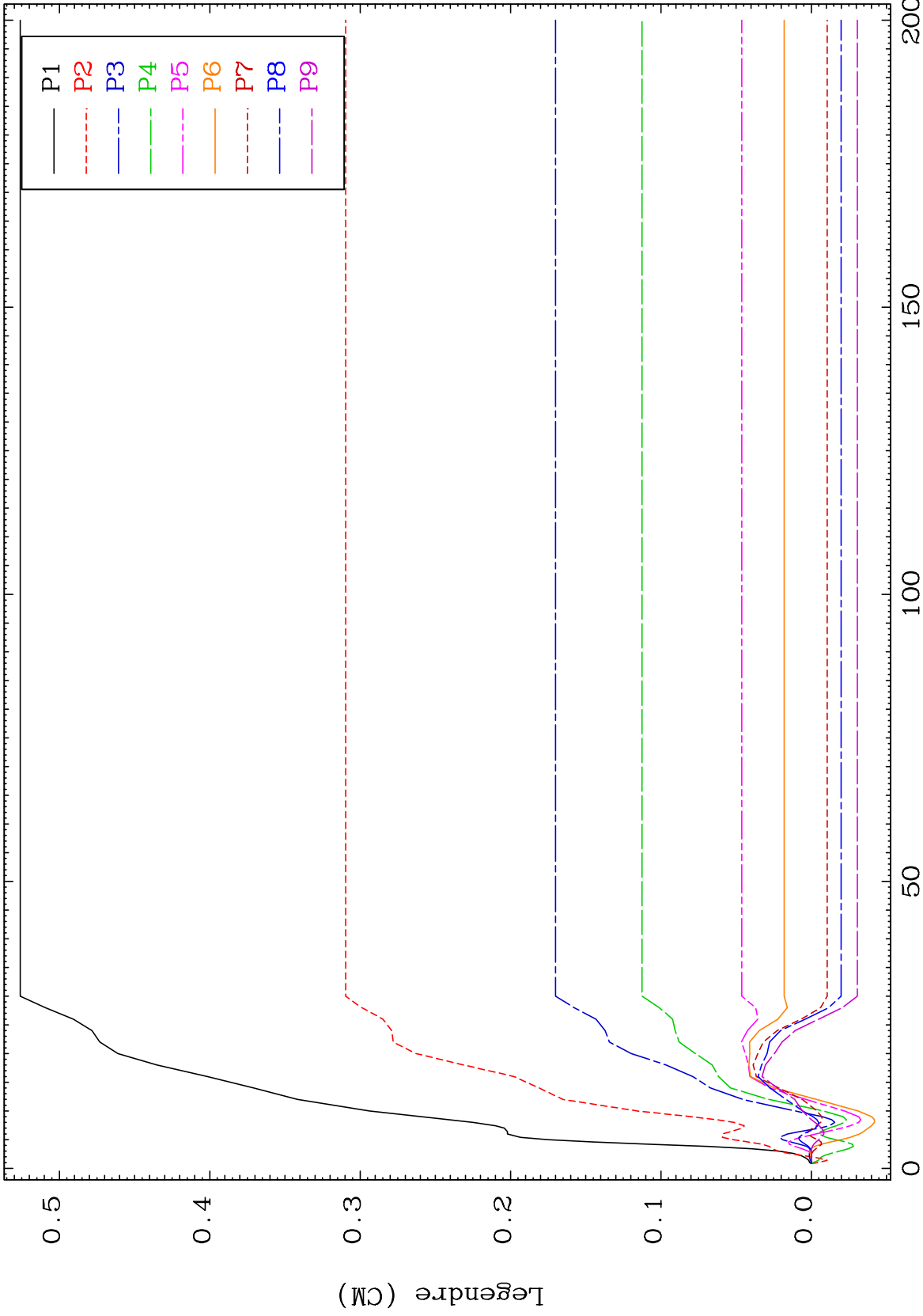
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



31

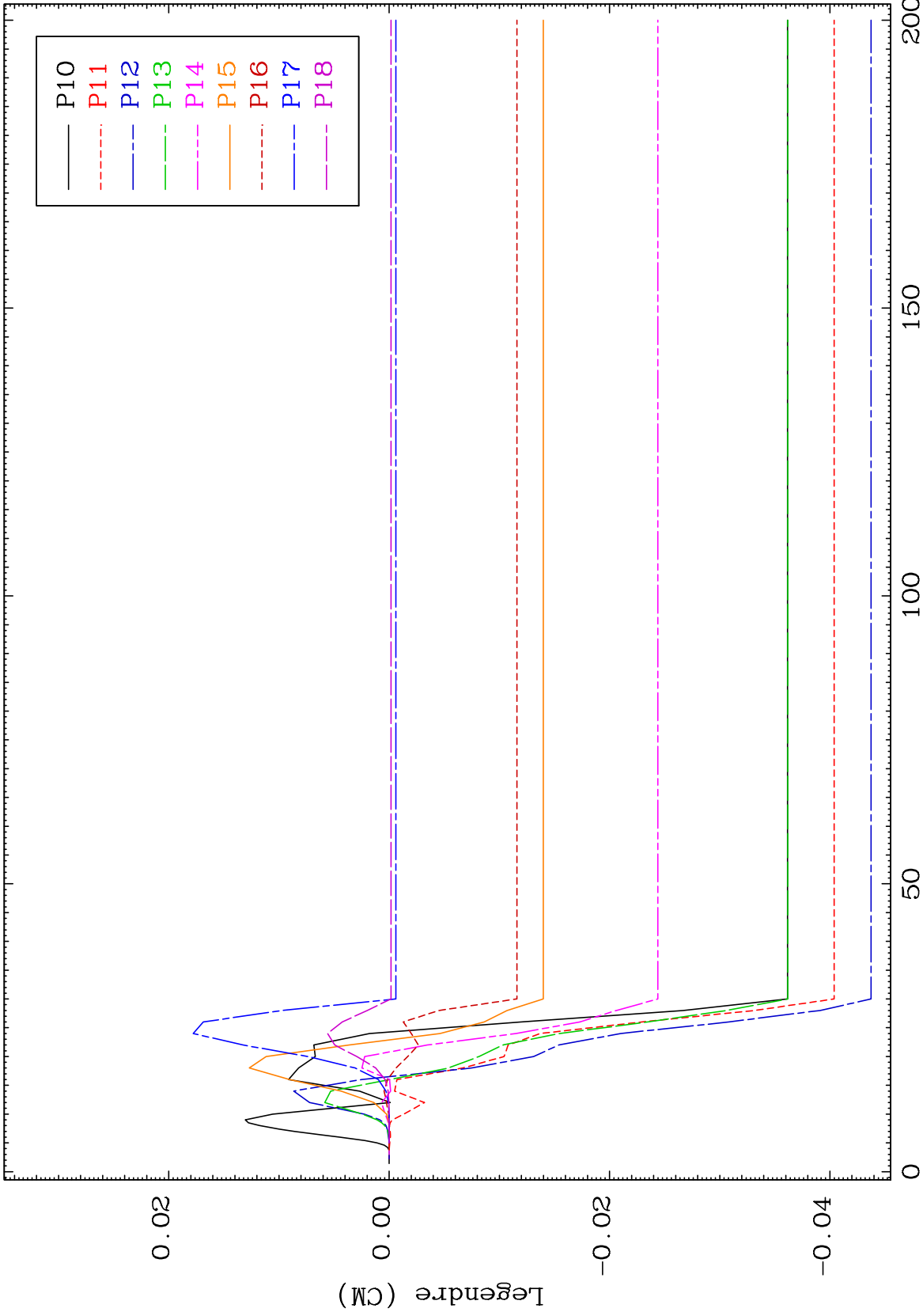
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



32

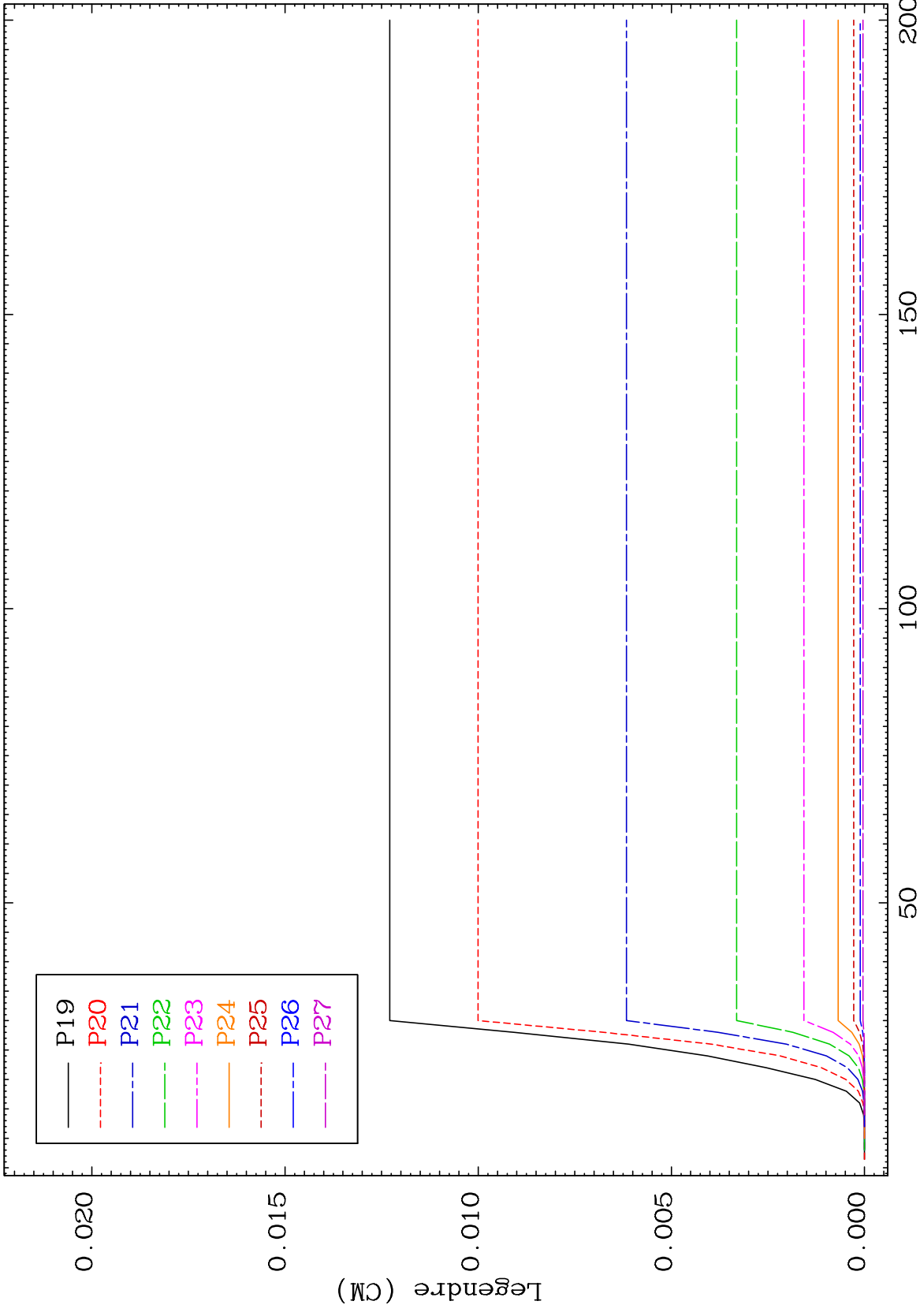
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



33

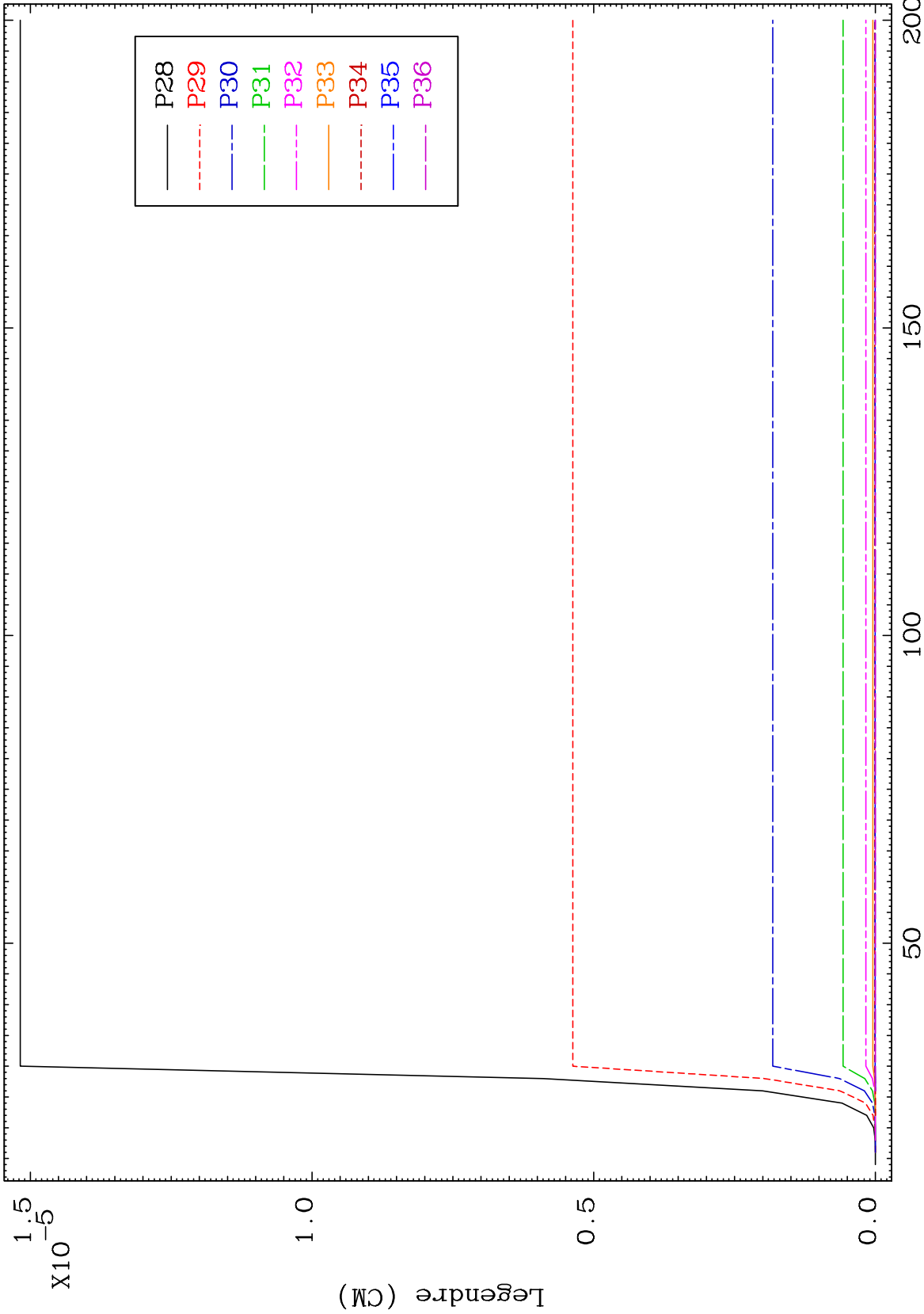
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



34

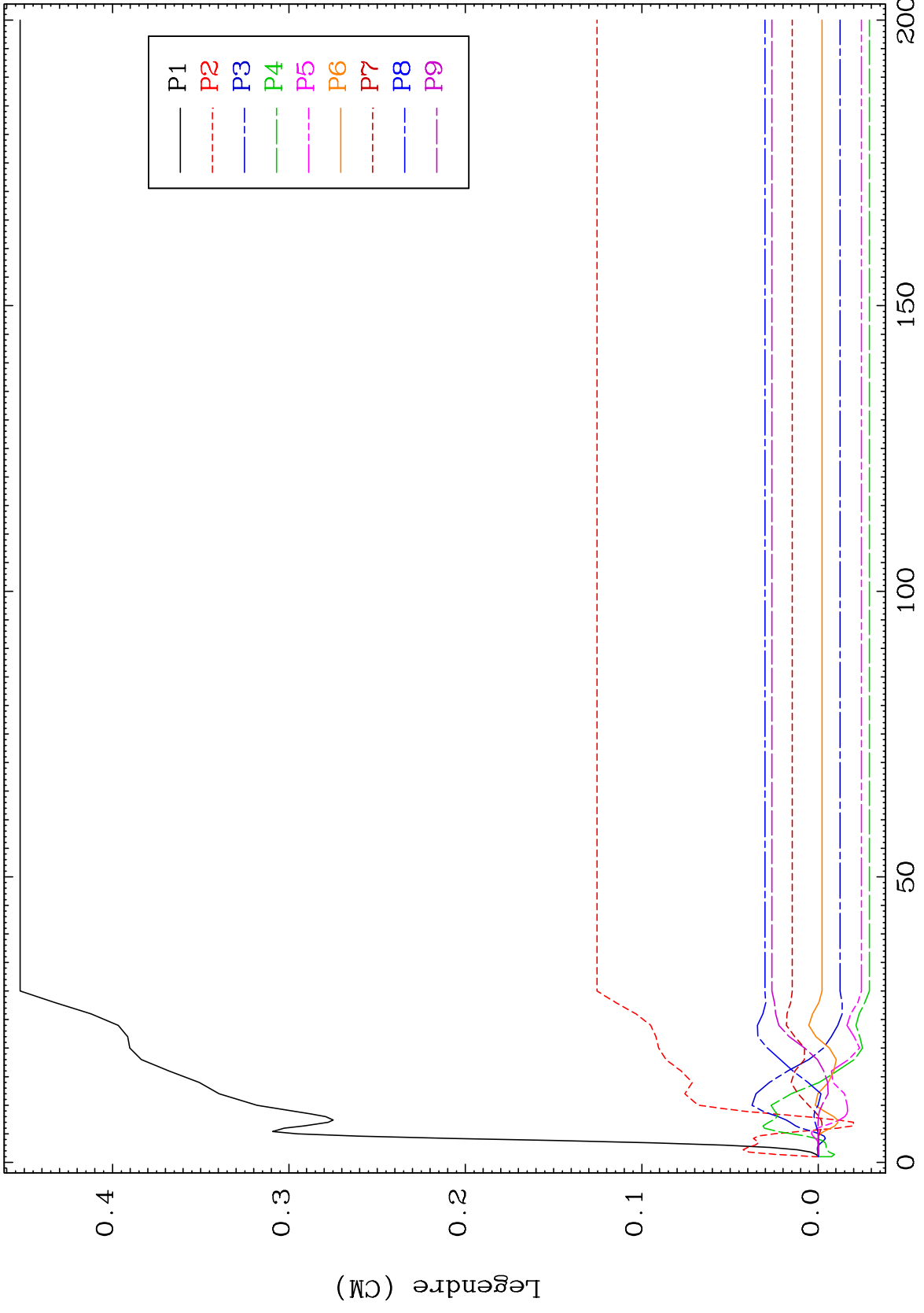
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



35

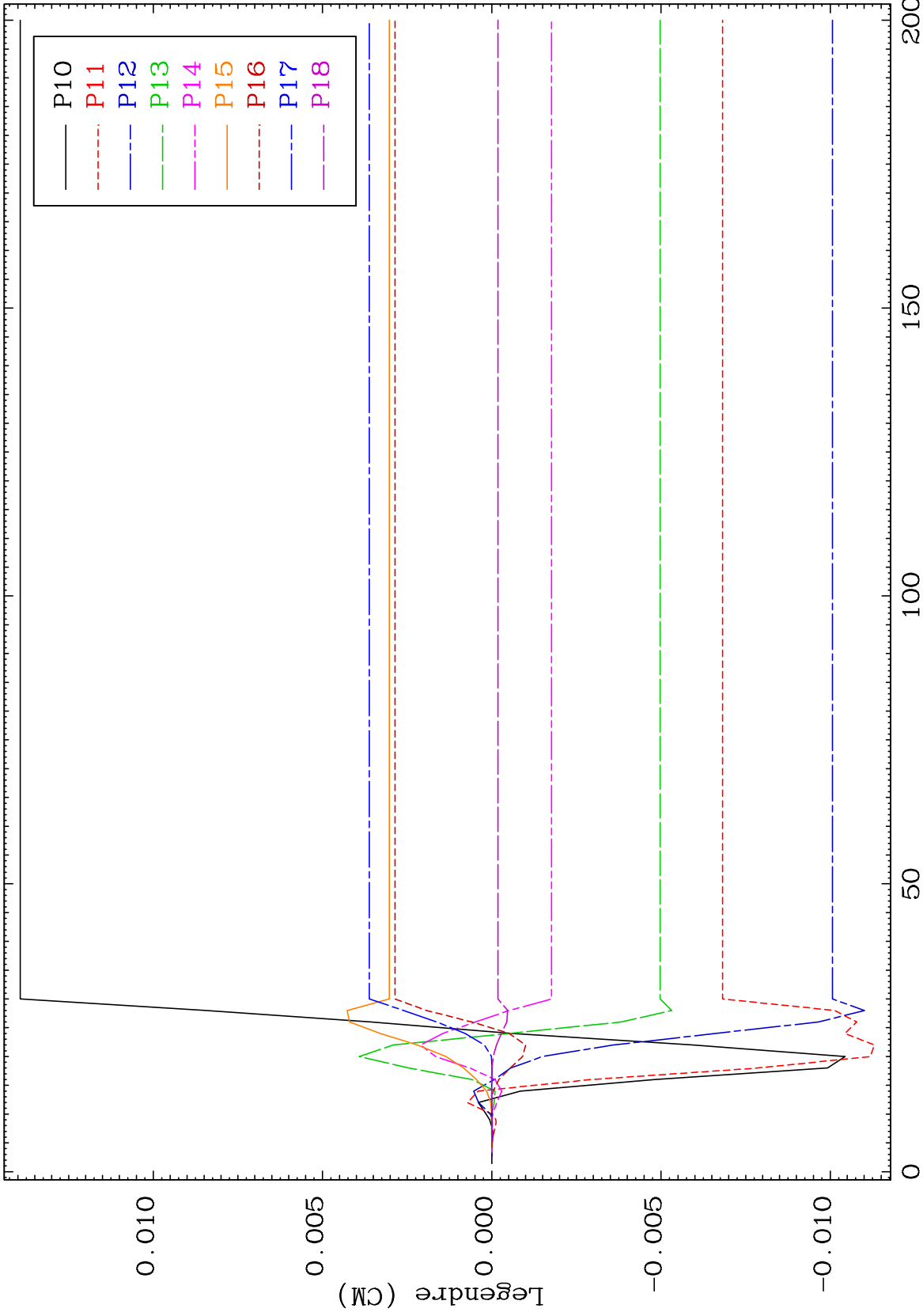
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



36

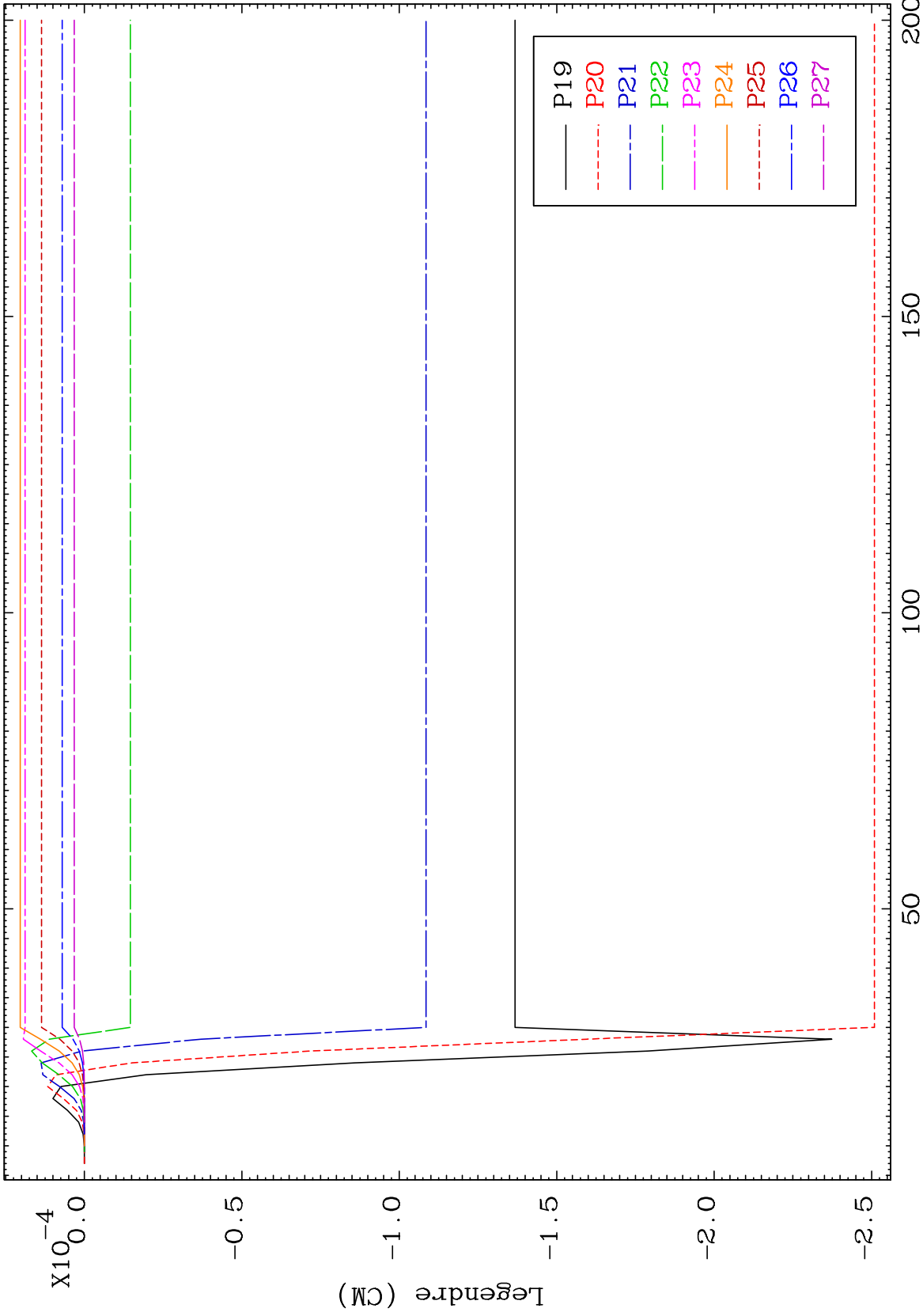
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



37

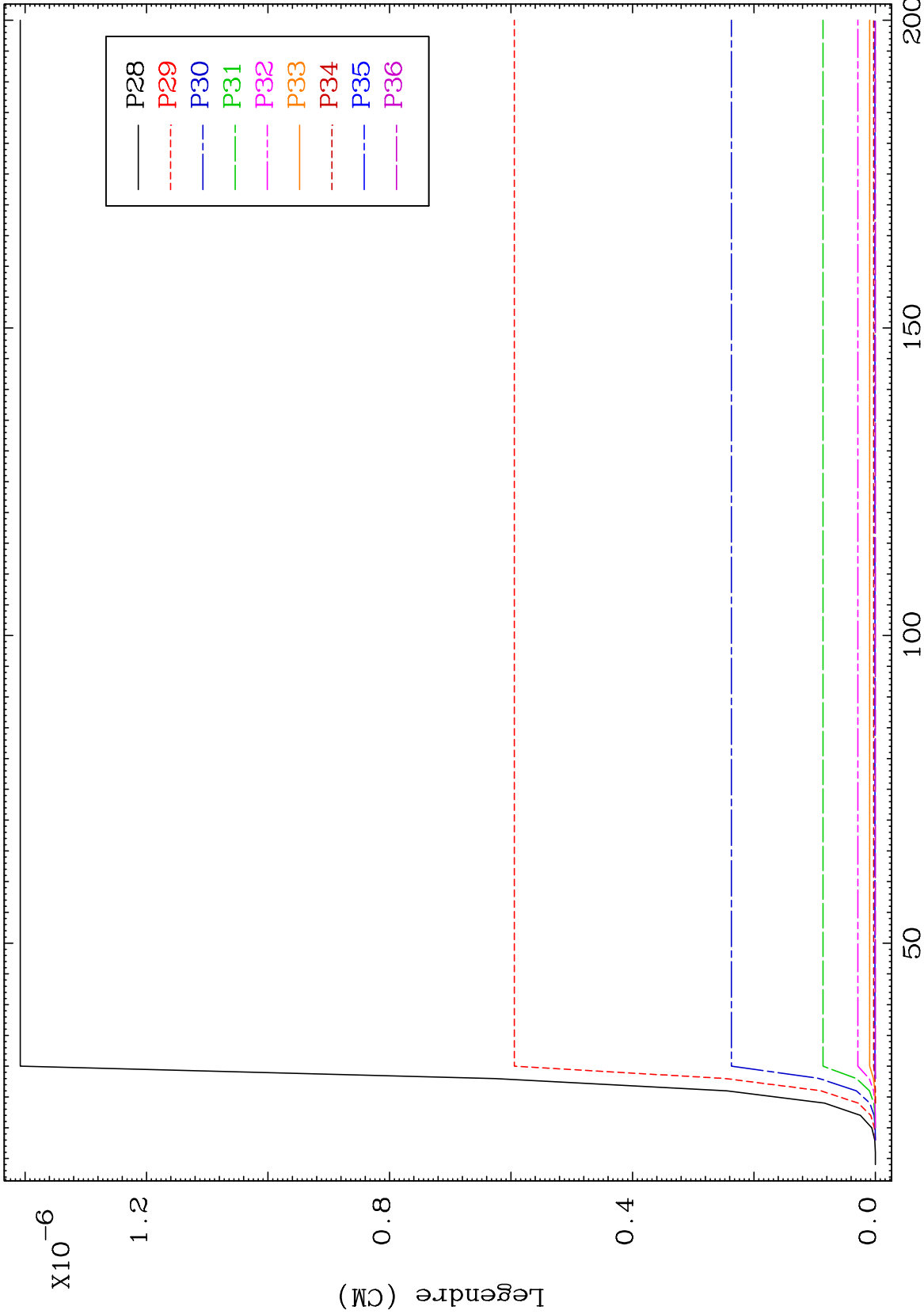
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



38

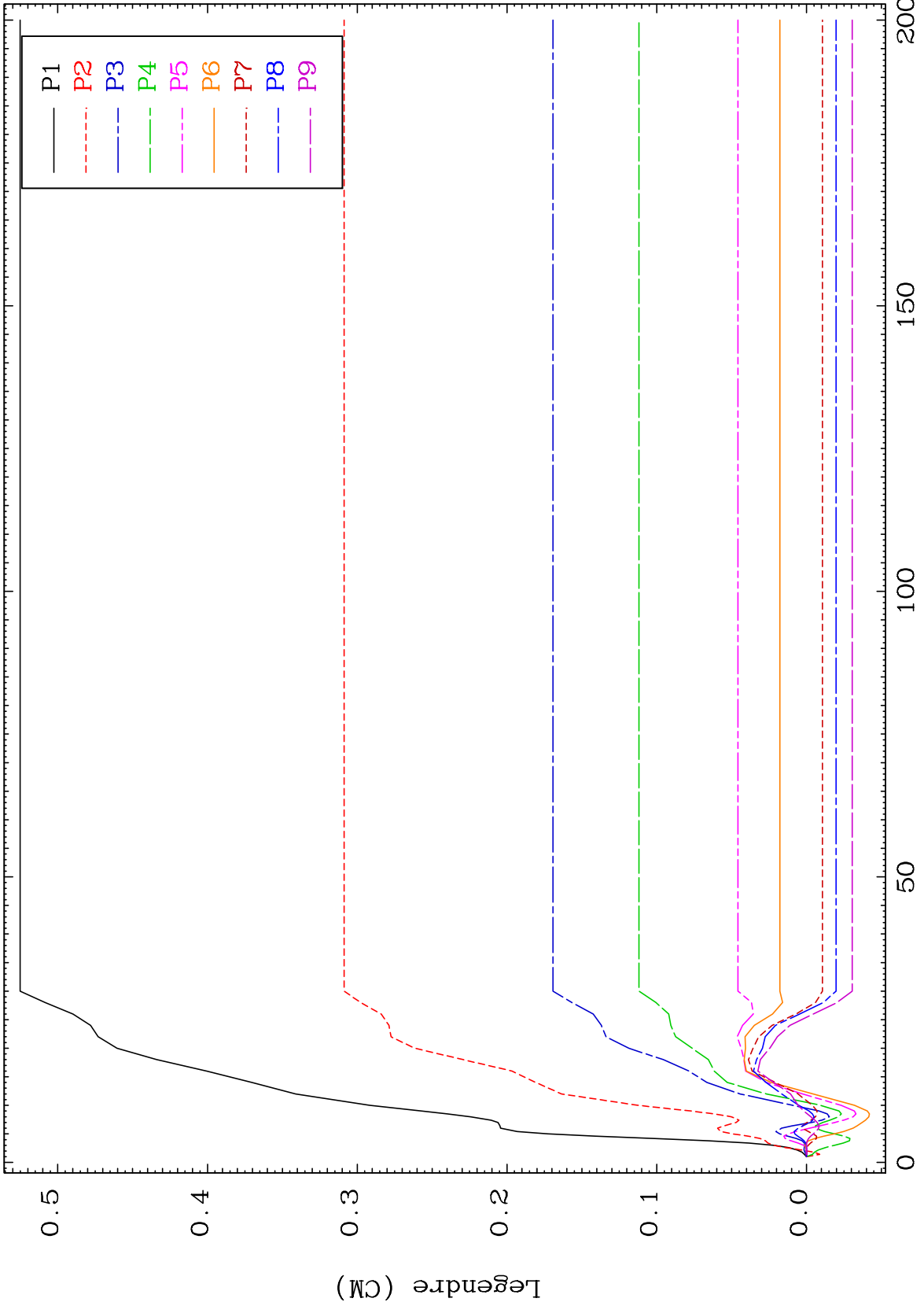
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



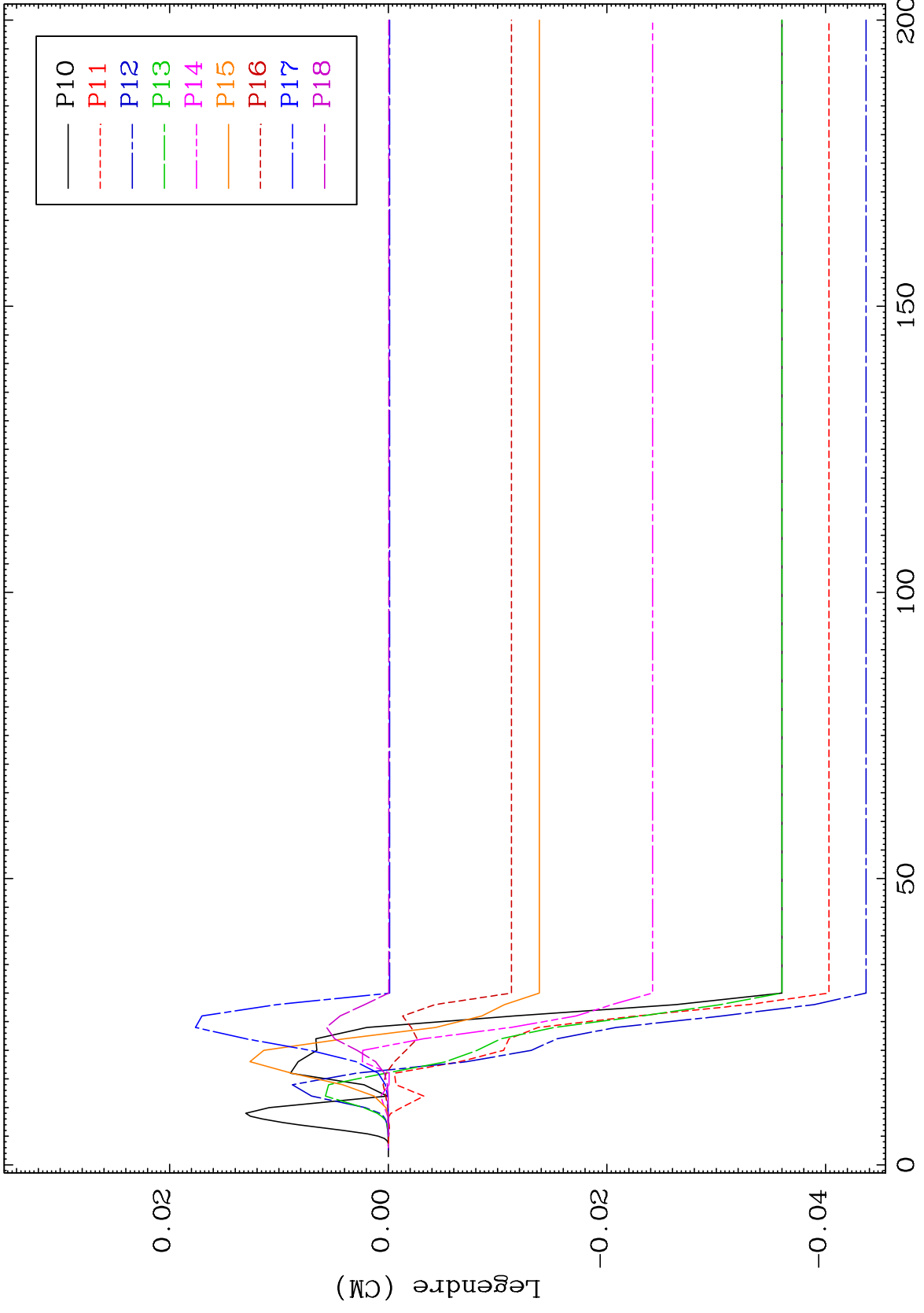
39

68-Er-158

MAT 6813

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

68-Er-158



40

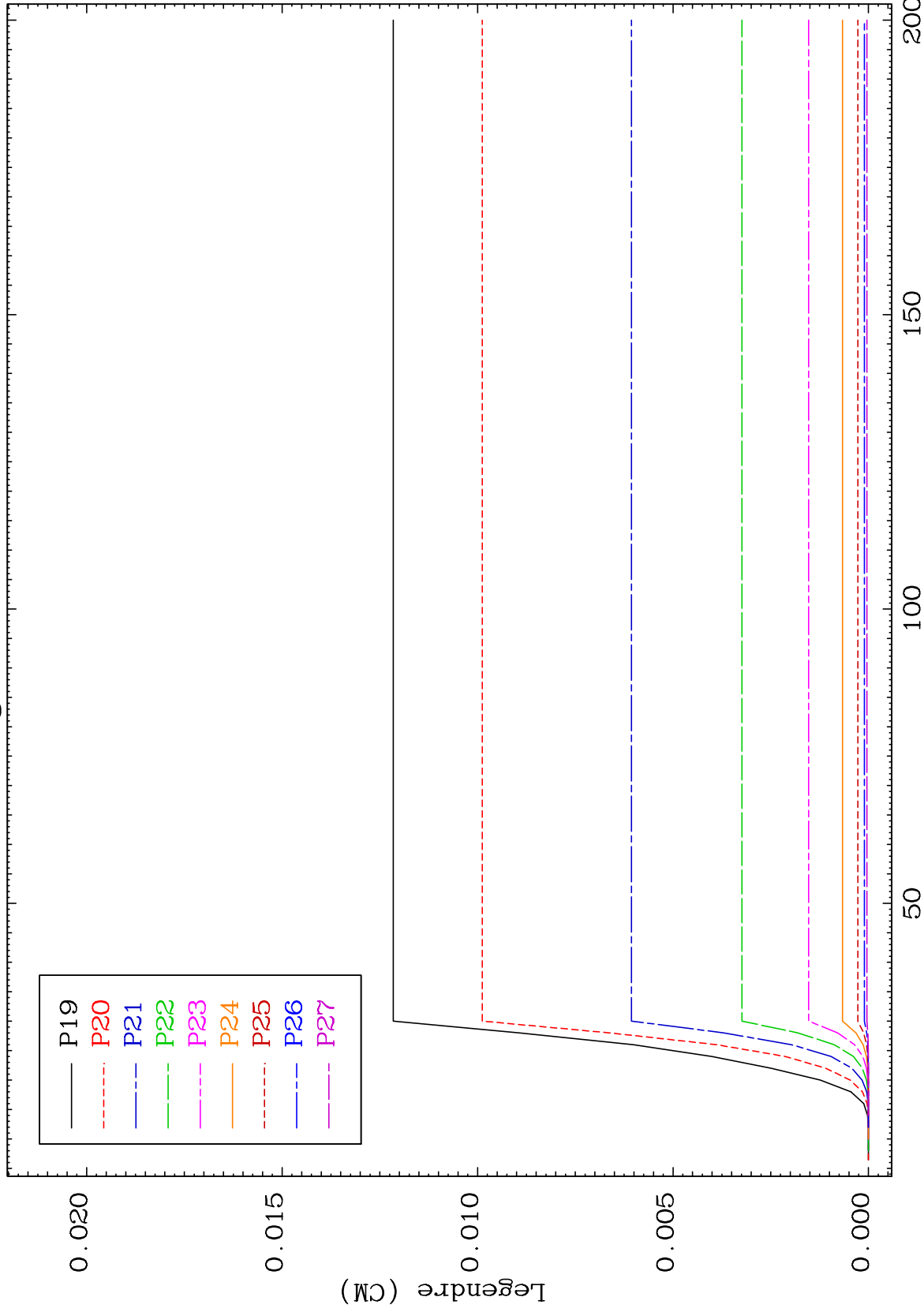
Incident Energy (MeV)

68-Er-158

MAT 6813

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

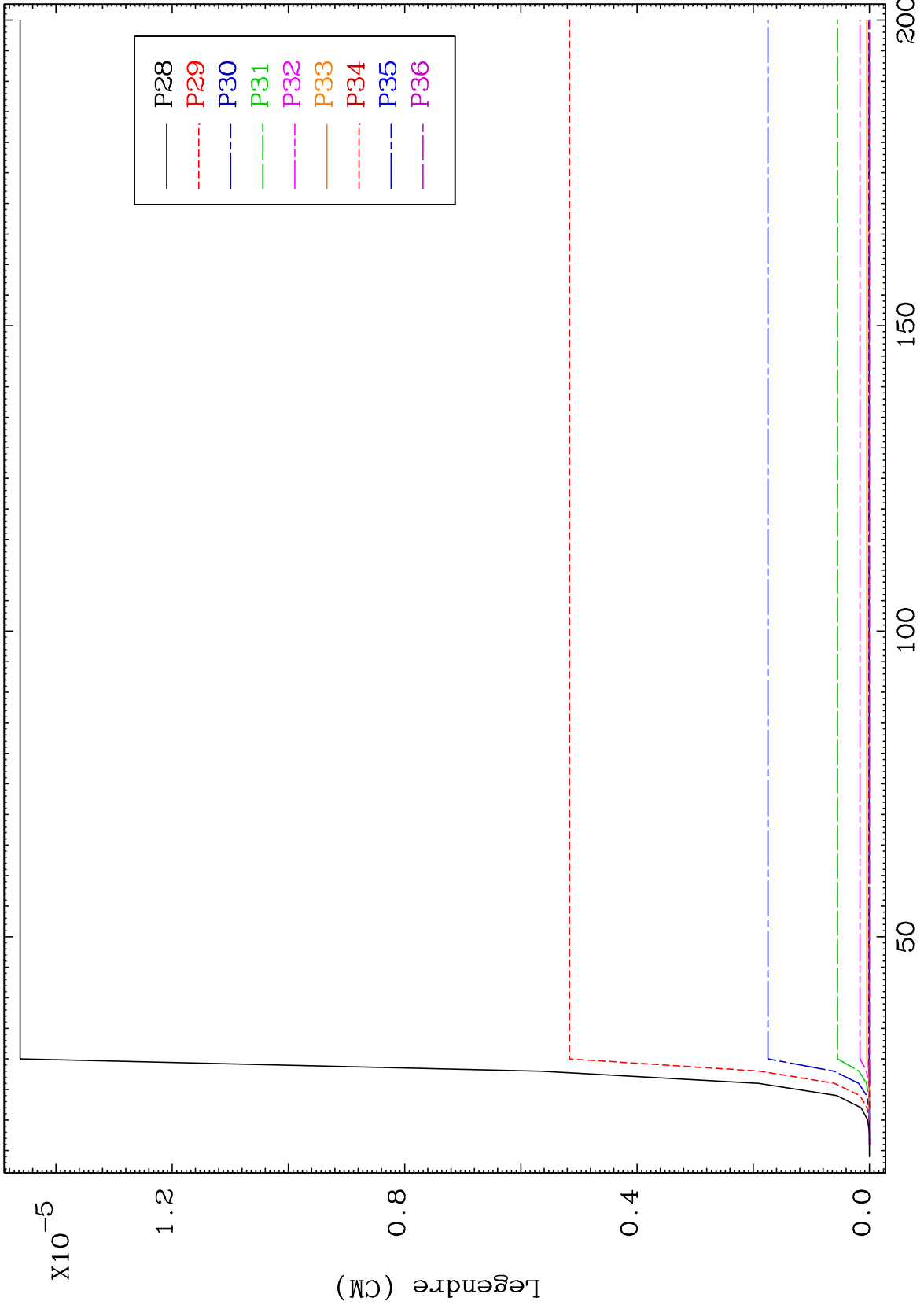
68-Er-158



MAT 6813

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

68-Er-158



42

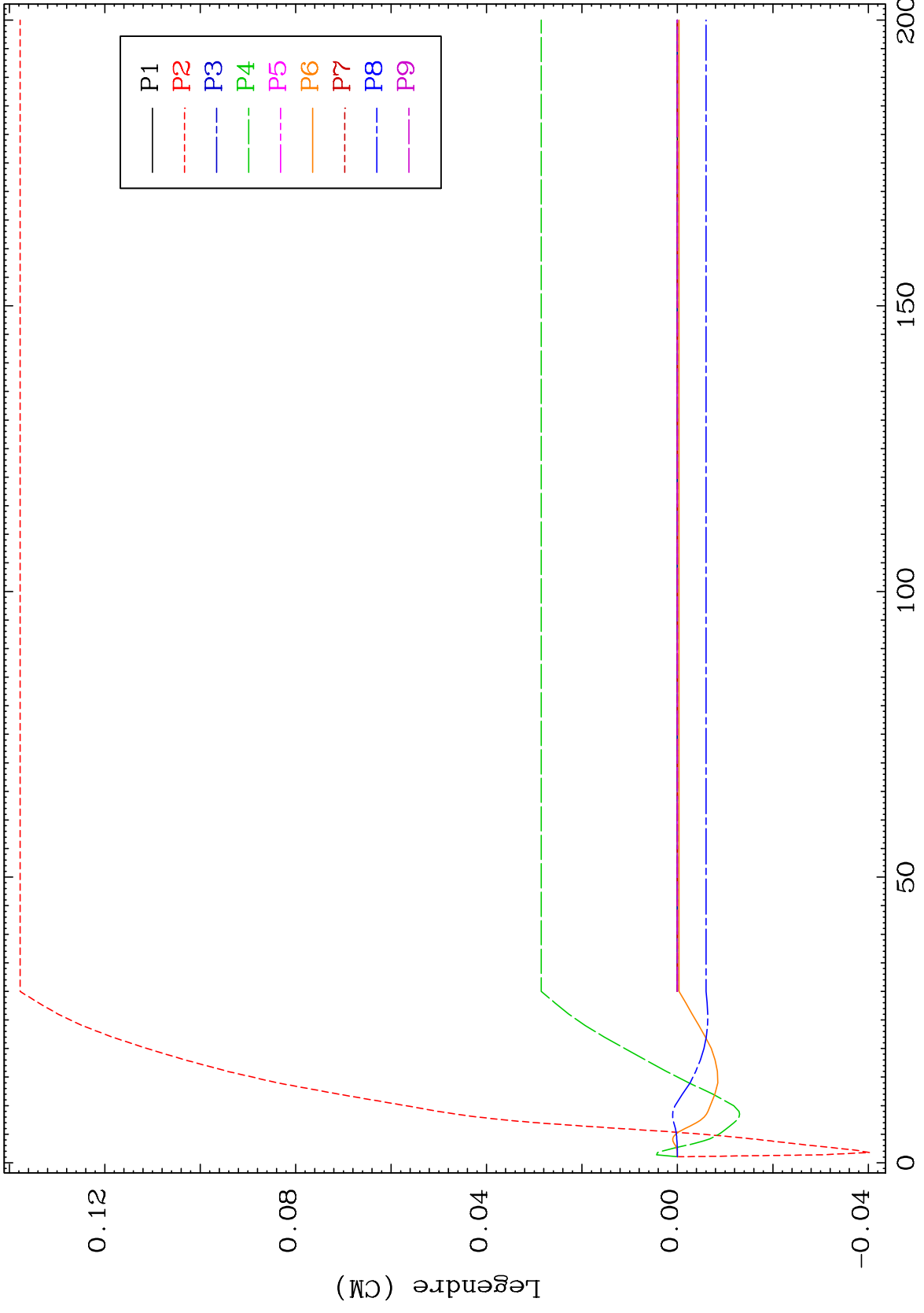
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



43

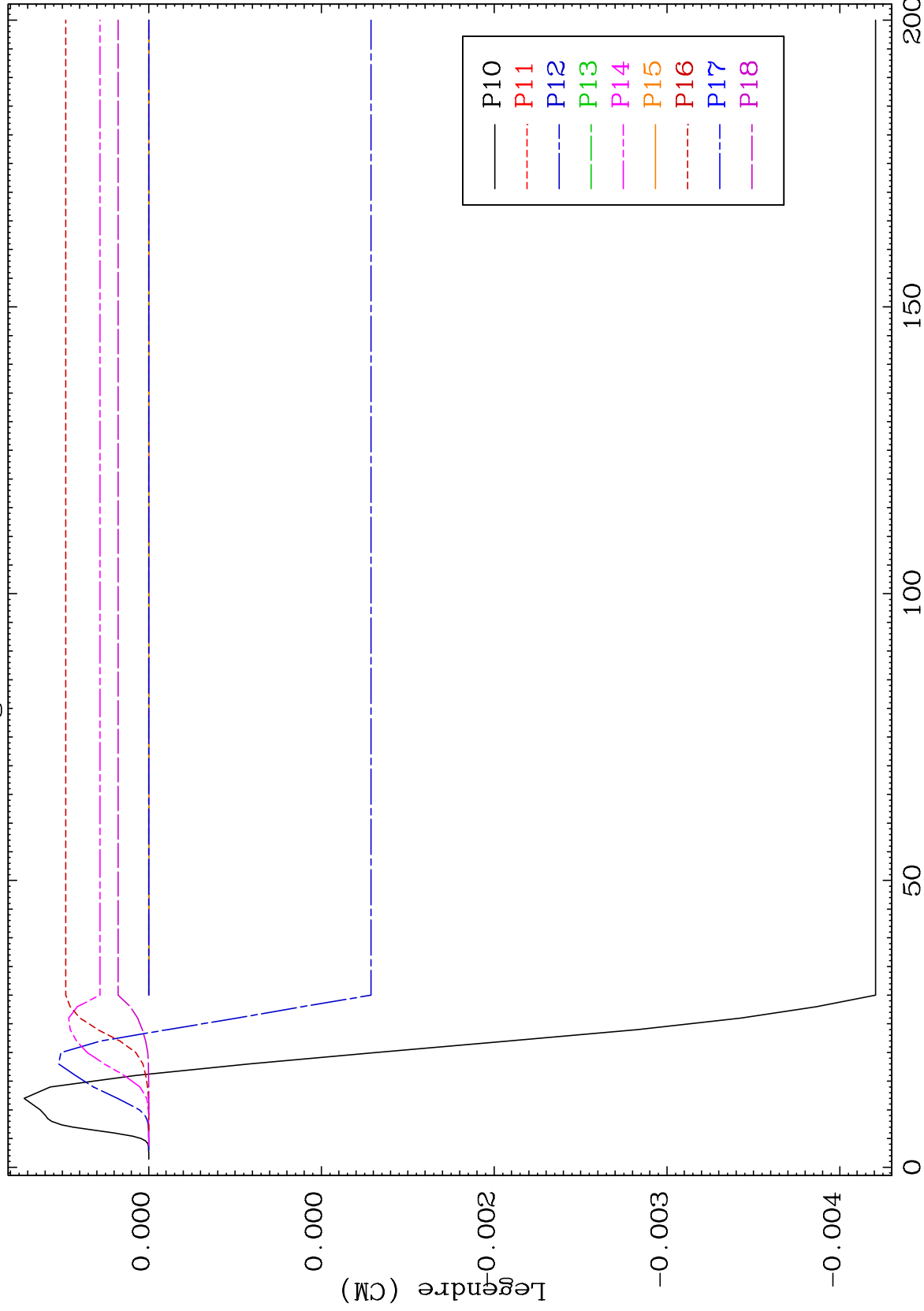
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



44

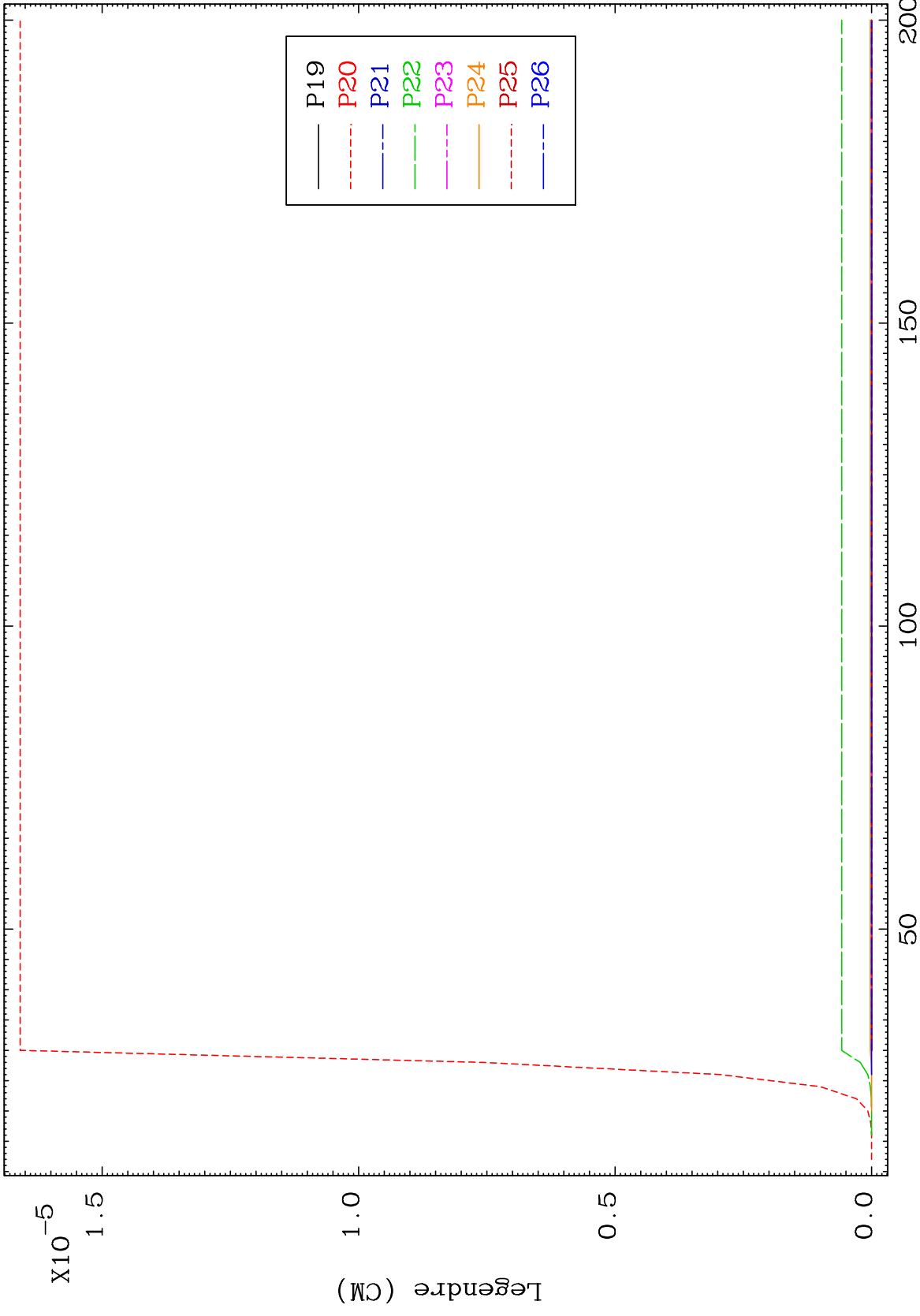
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



45

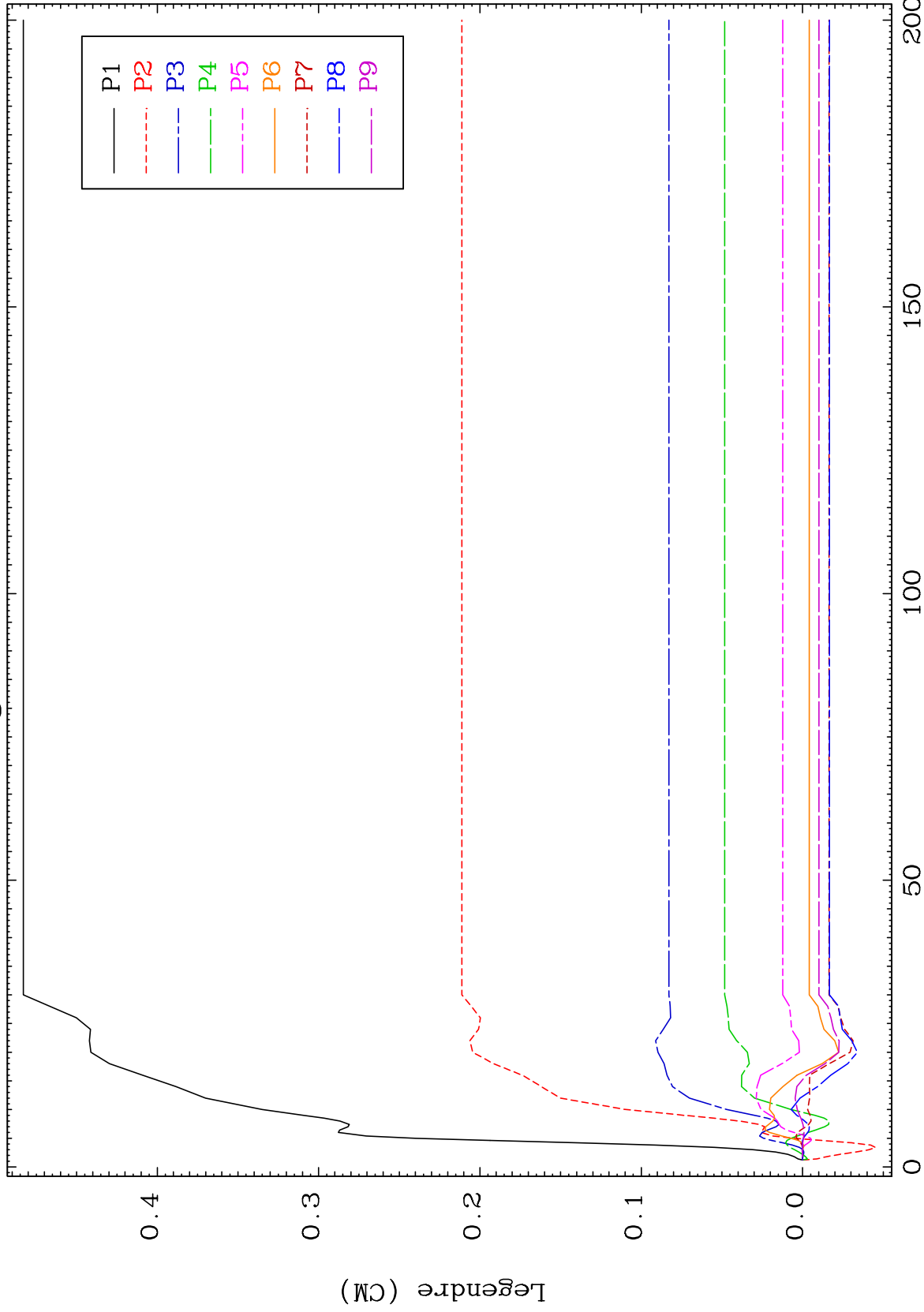
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



46

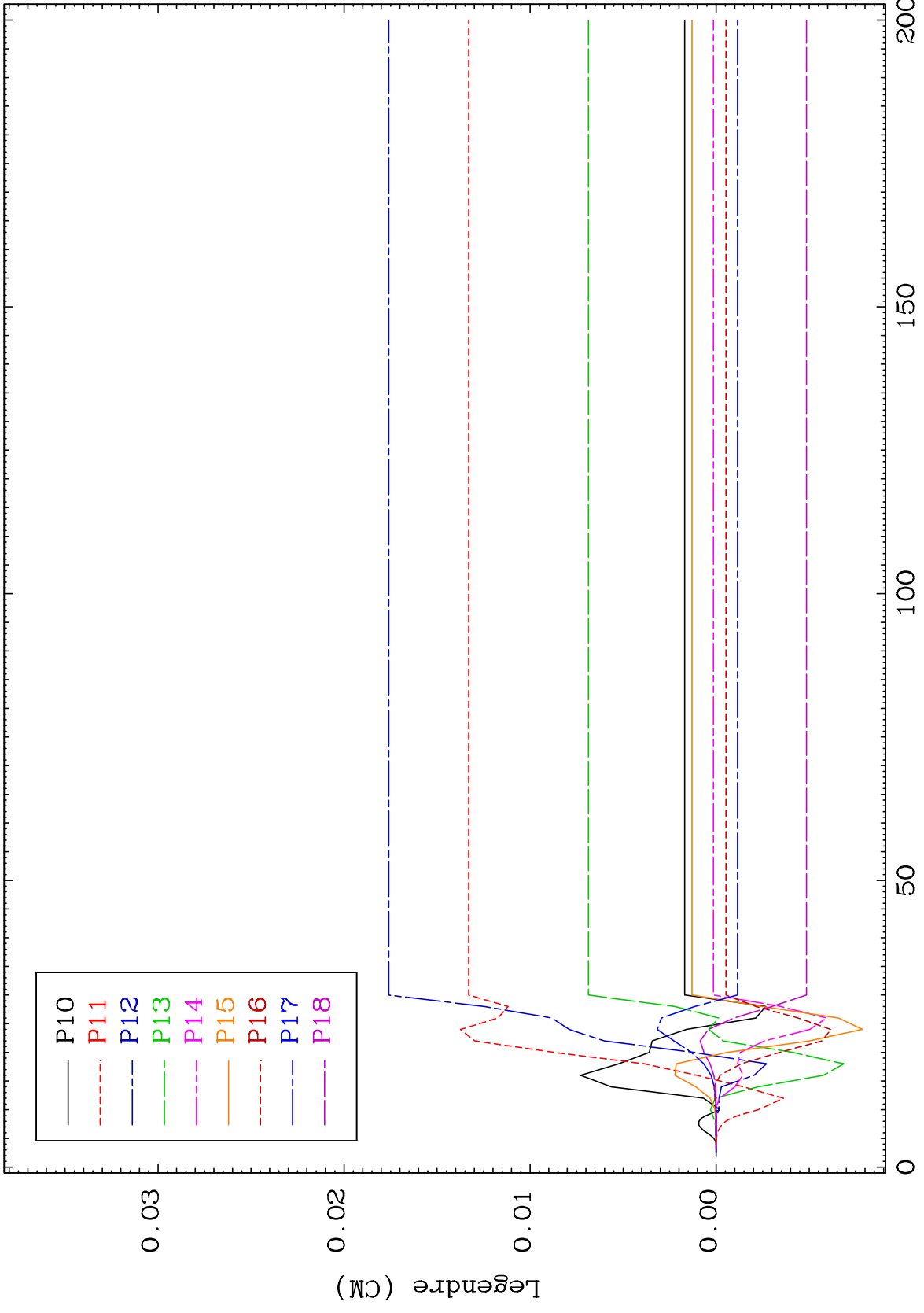
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



47

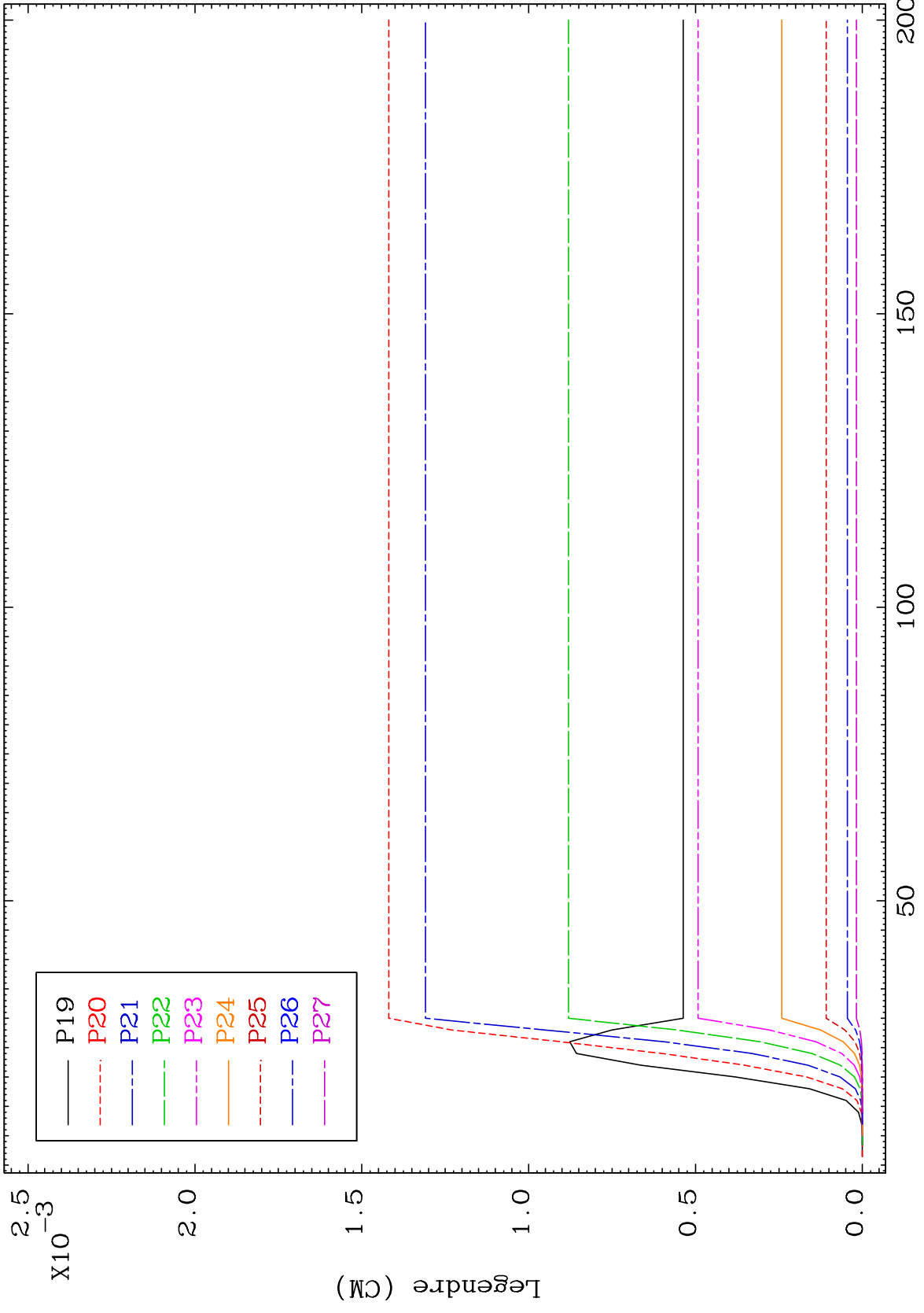
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



48

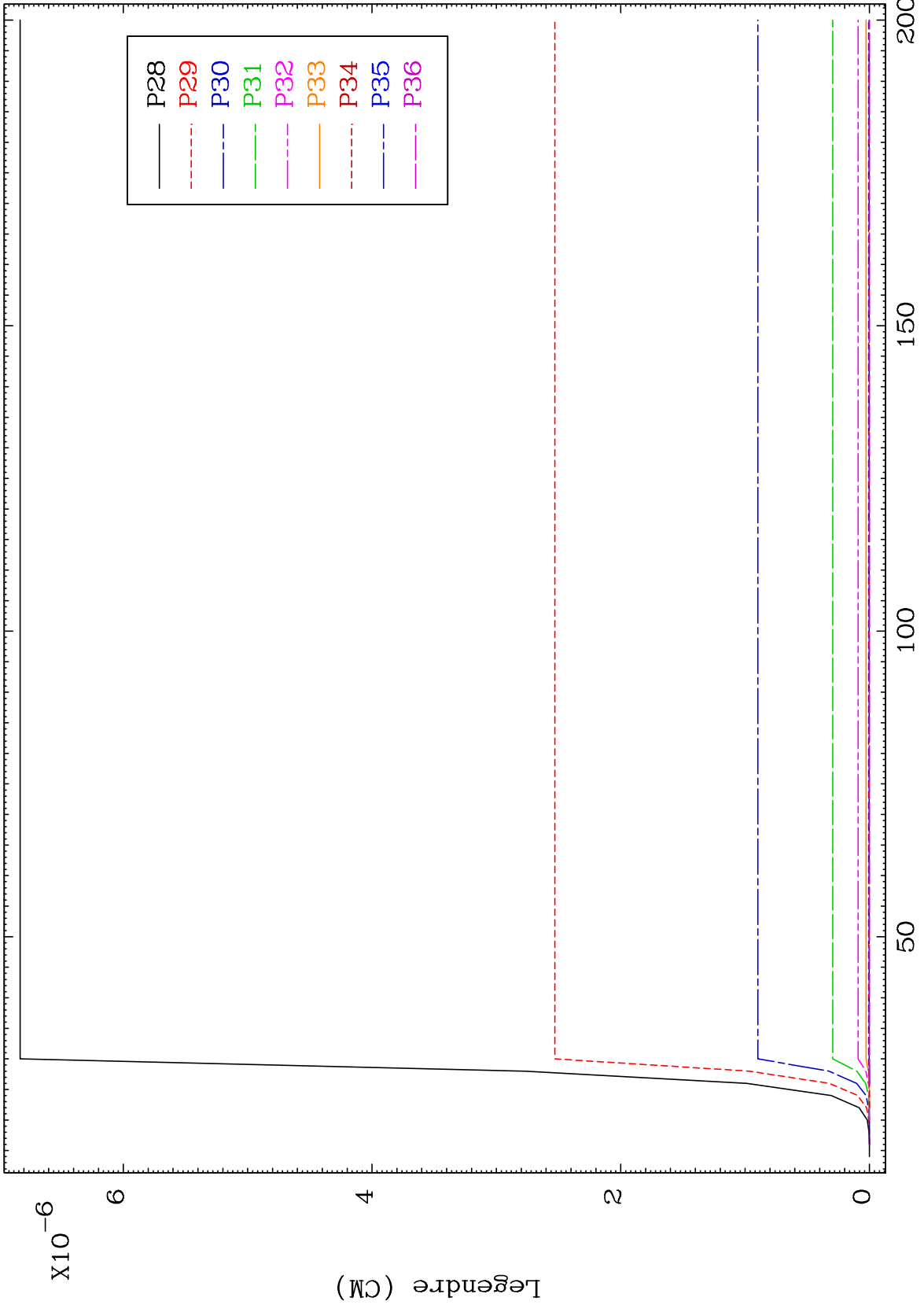
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



49

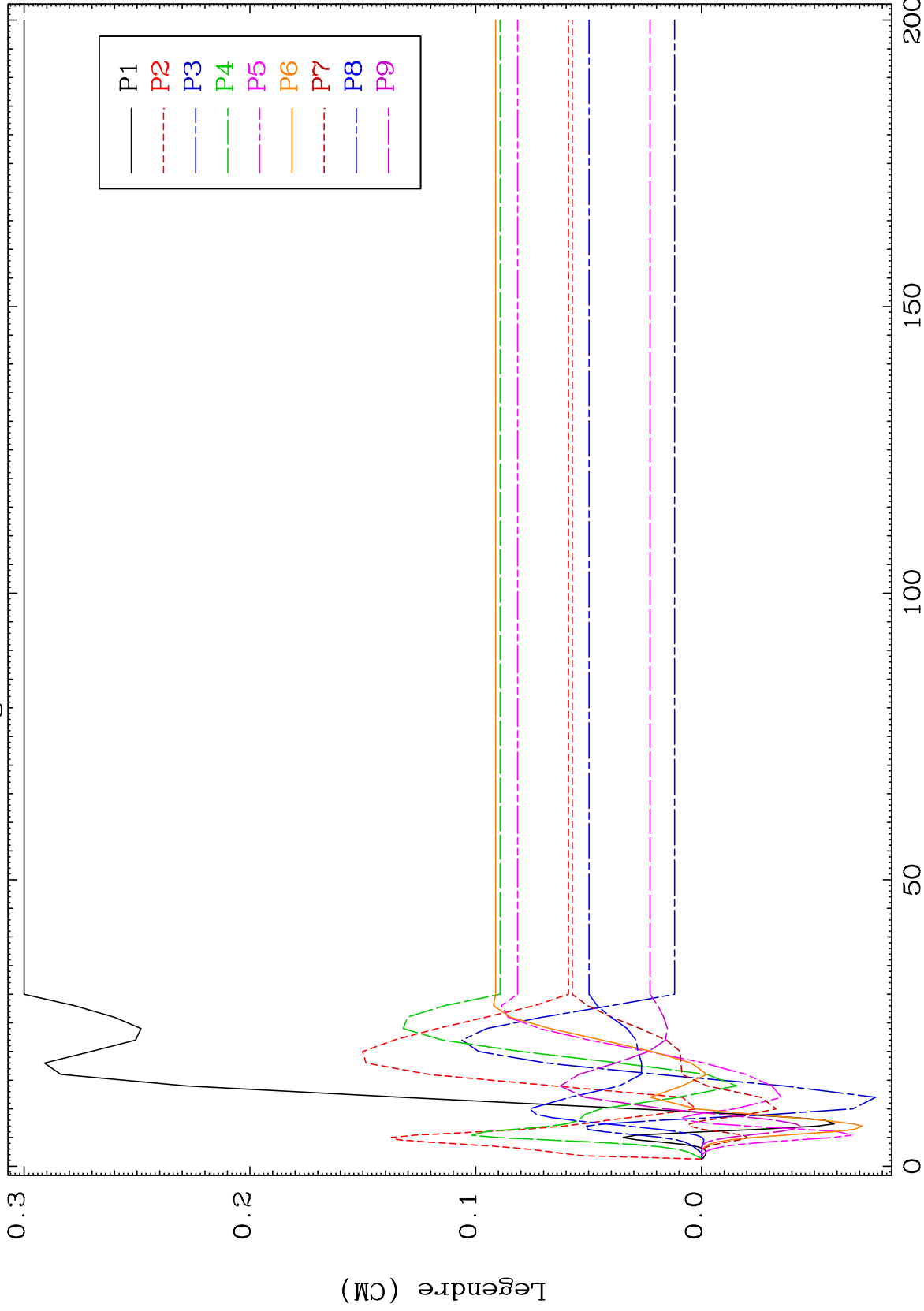
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



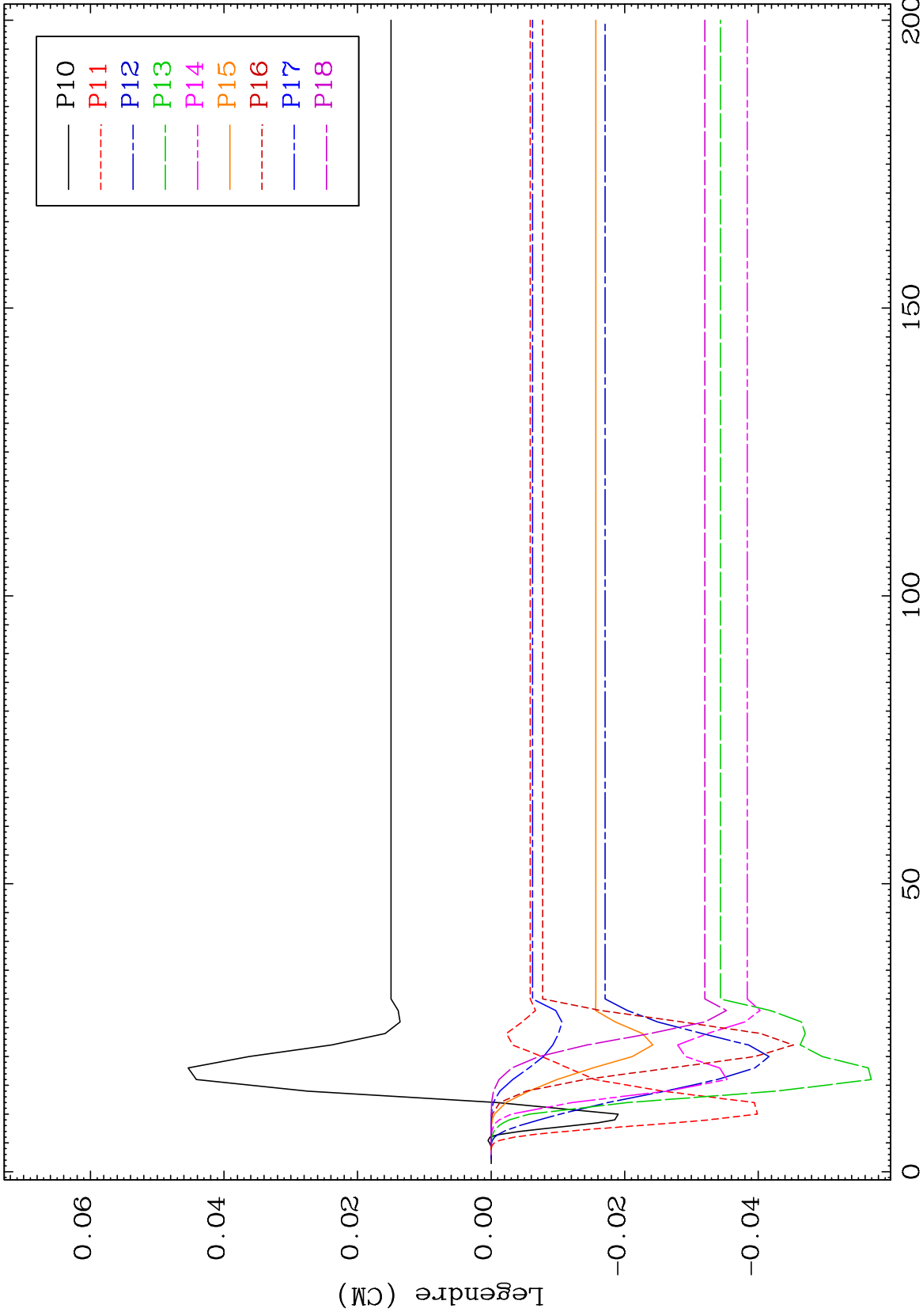
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



51

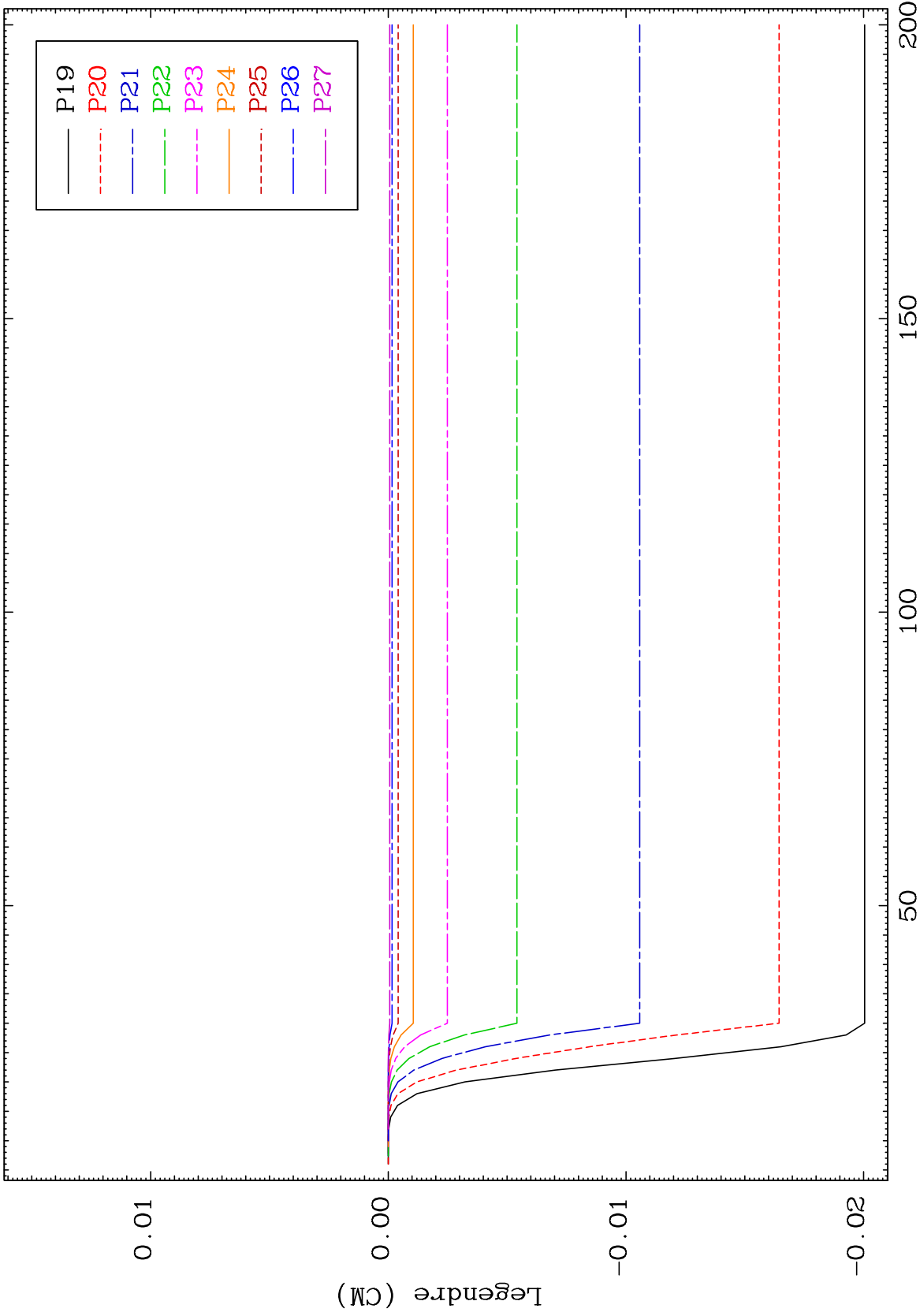
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



52

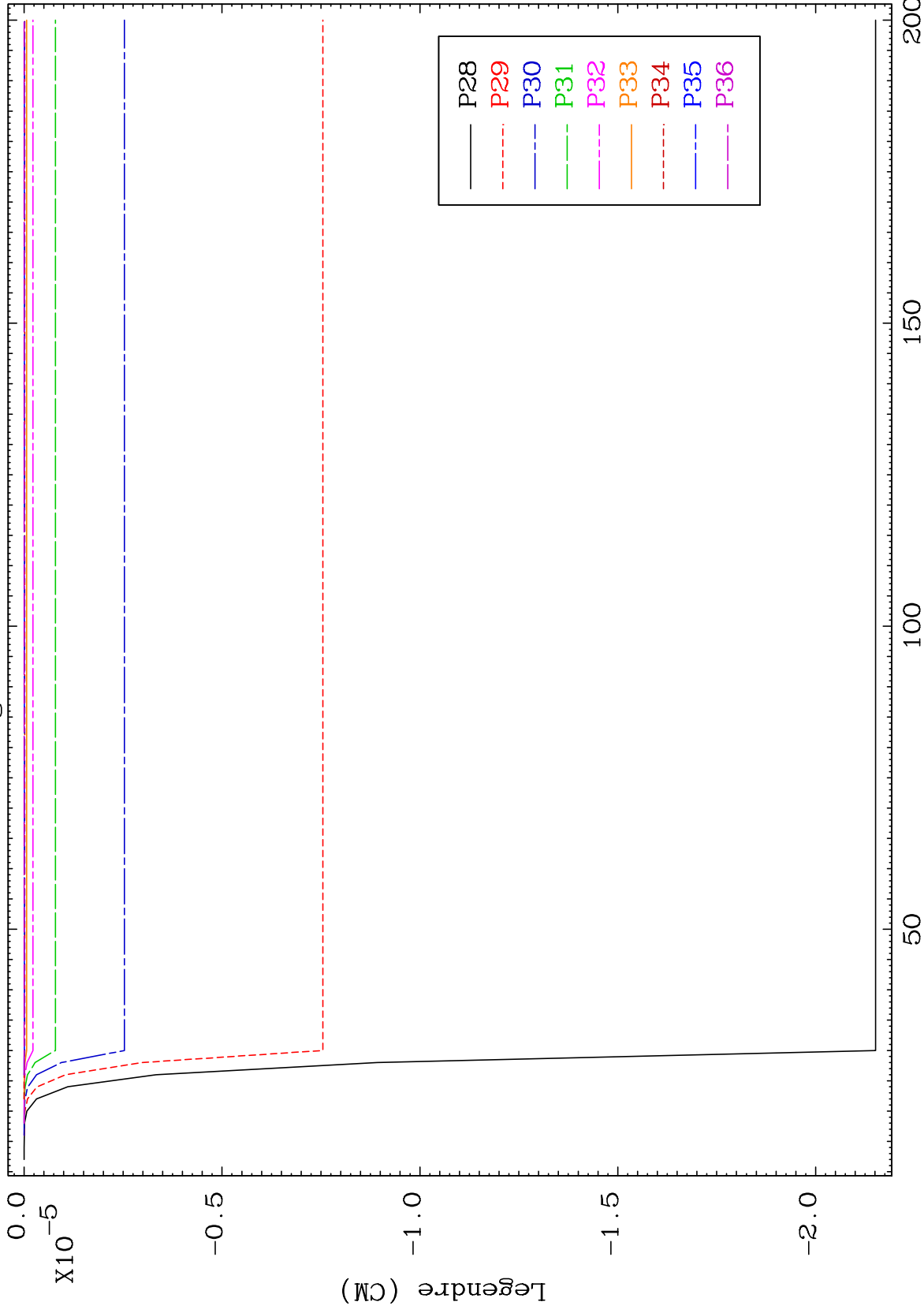
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



68-Er-158

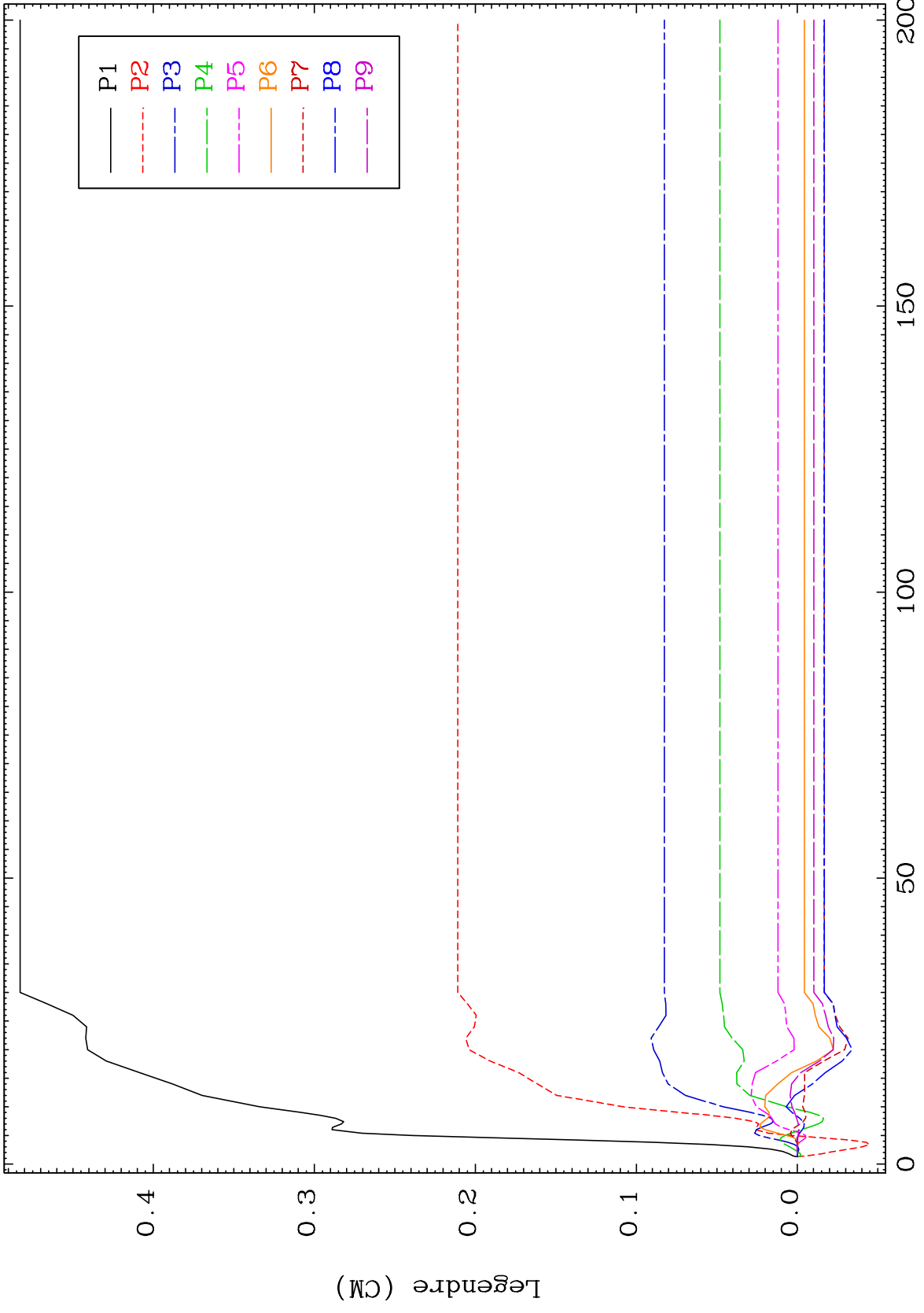
Incident Energy (MeV)

53

MAT 6813

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

68-Er-158



54

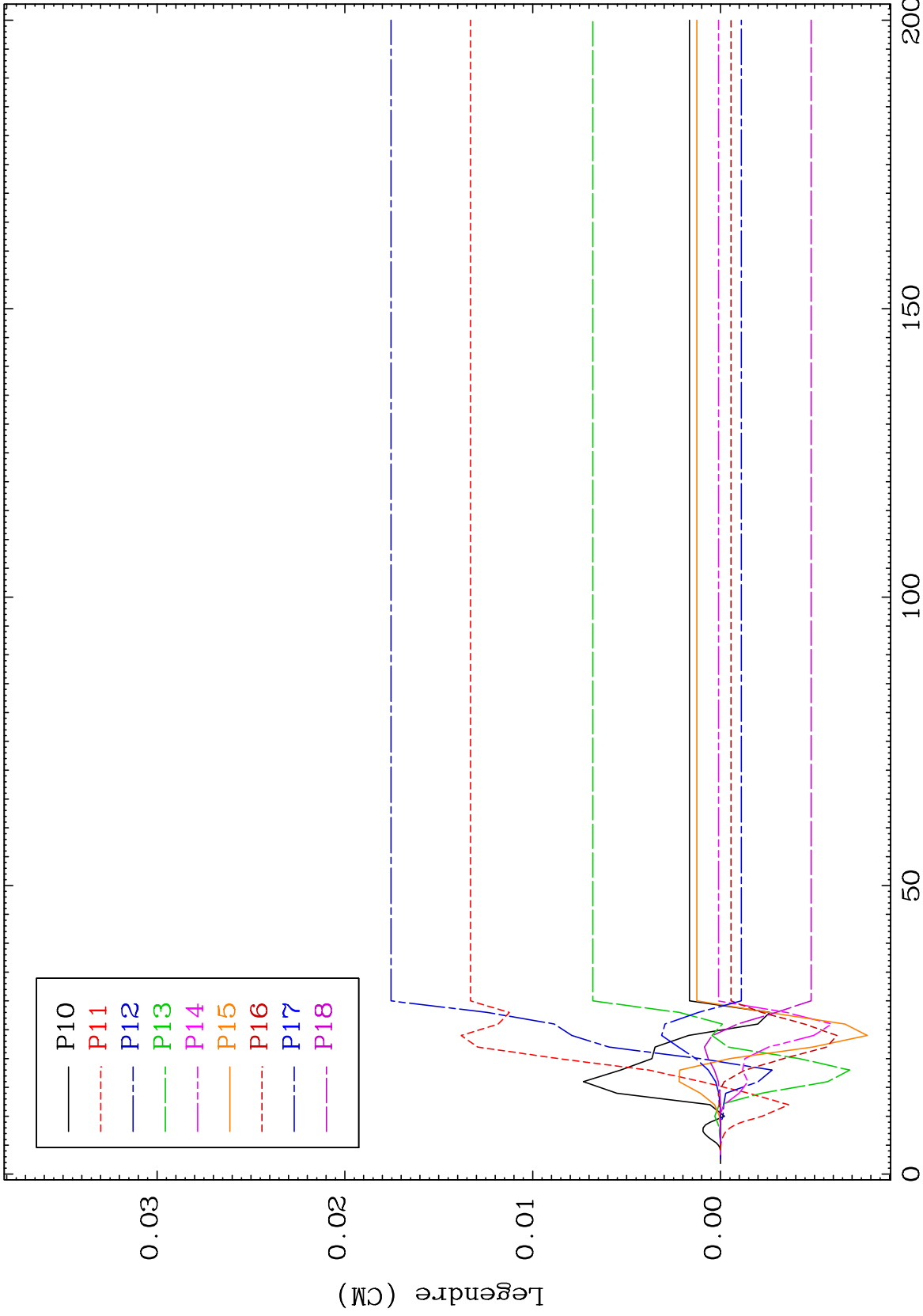
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



55

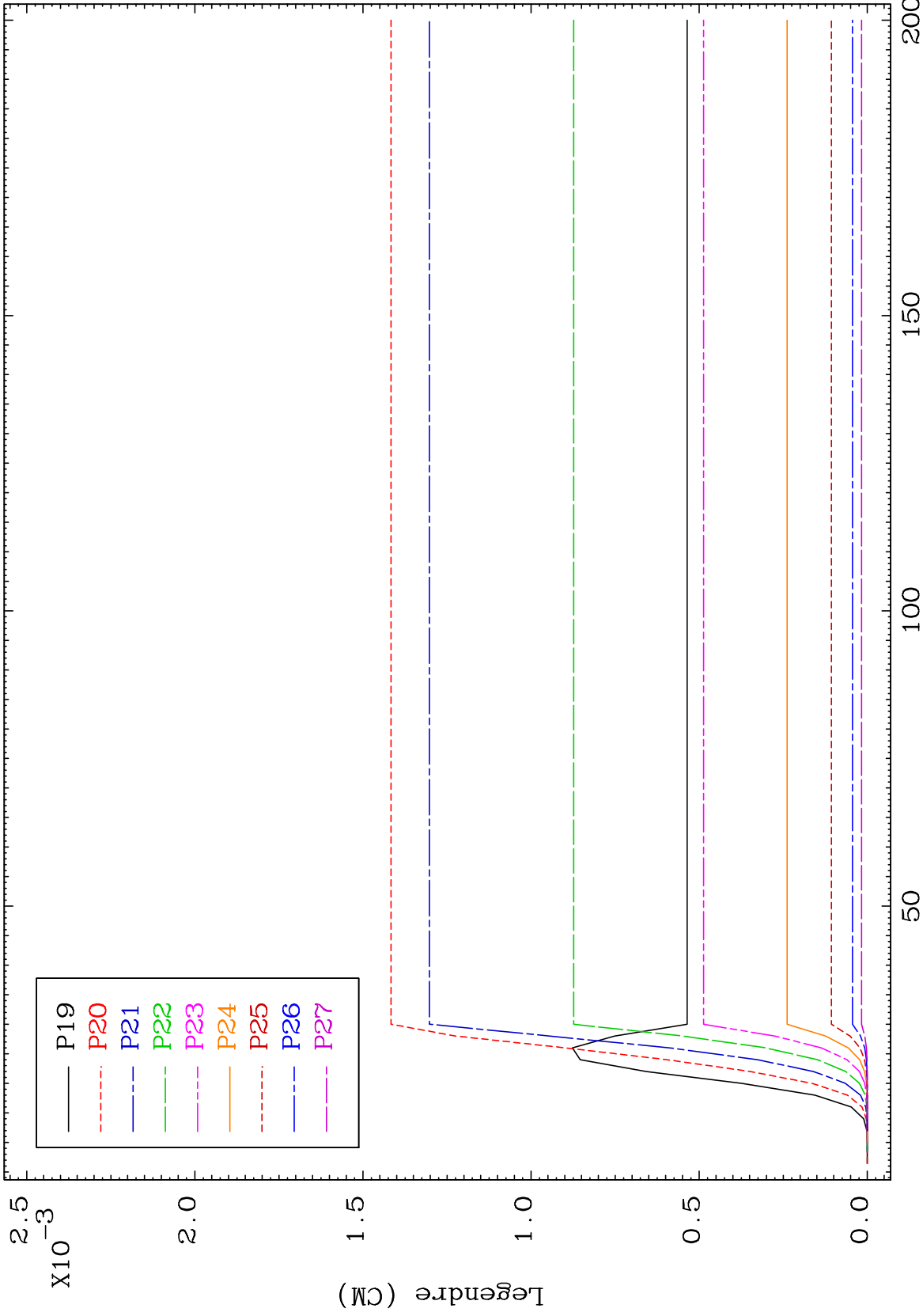
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



56

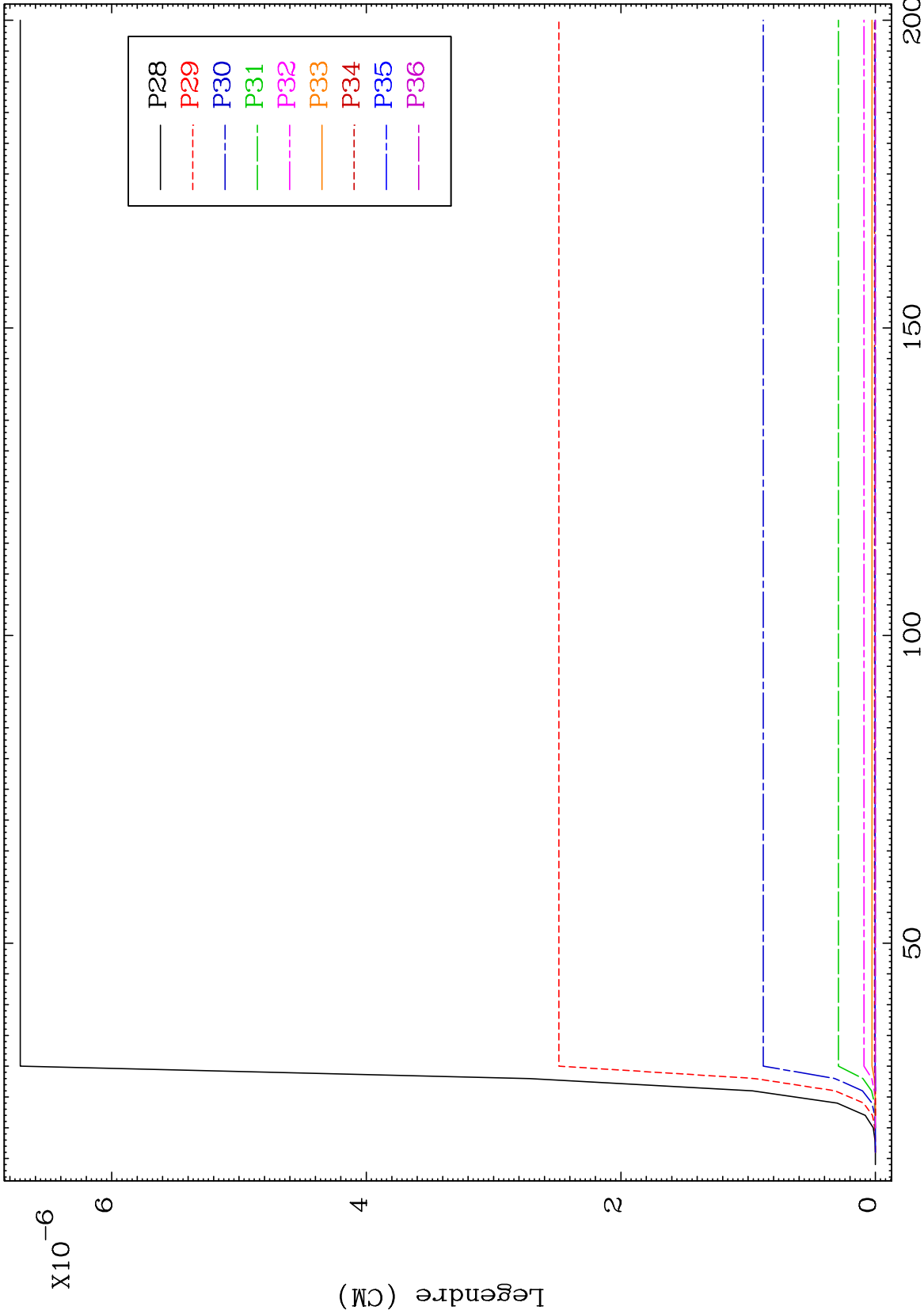
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158

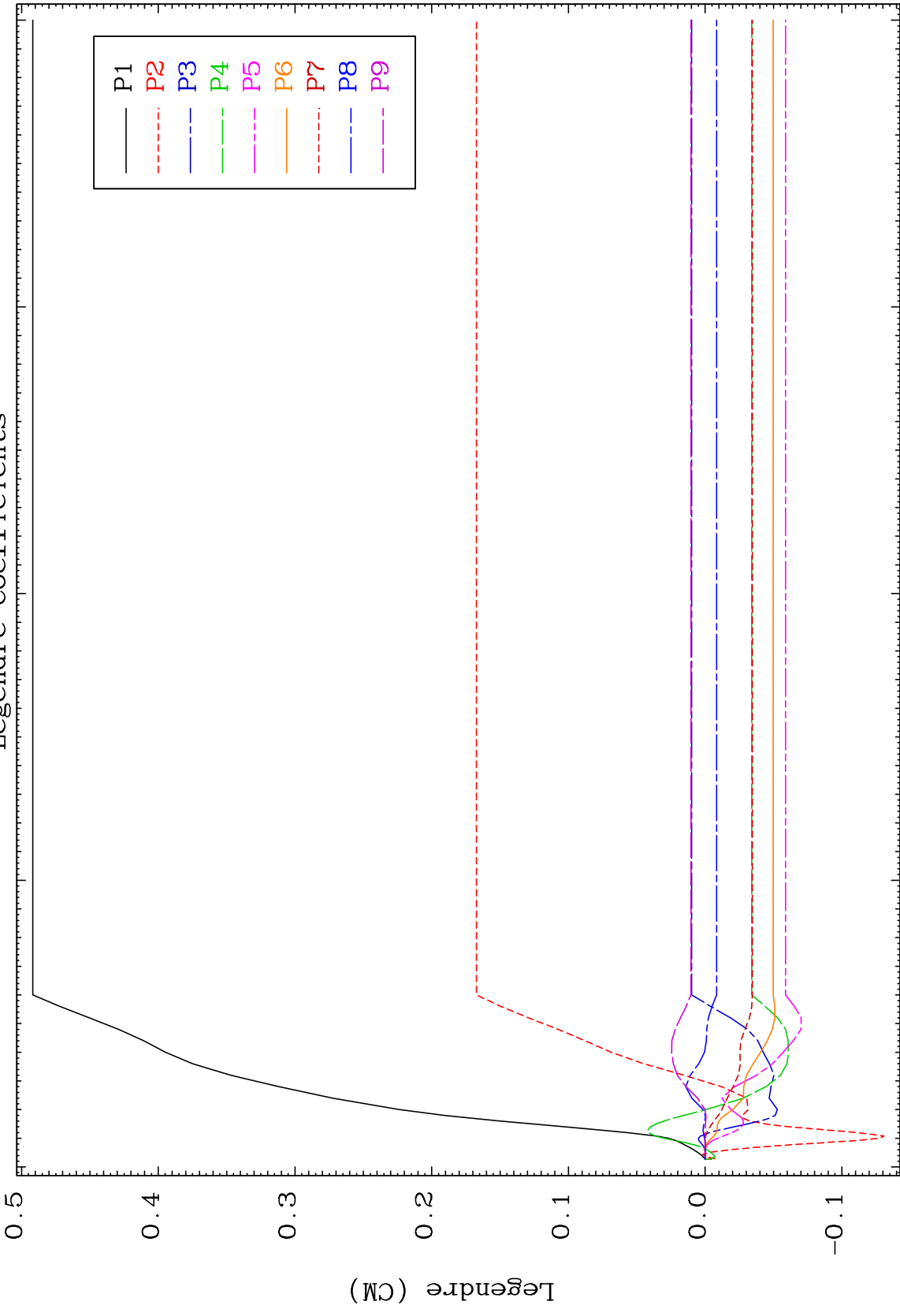


57

Incident Energy (MeV)

68-Er-158

MAT 6813 MT= 61 (n,n') Level Legendre Coefficients 68-Er-158

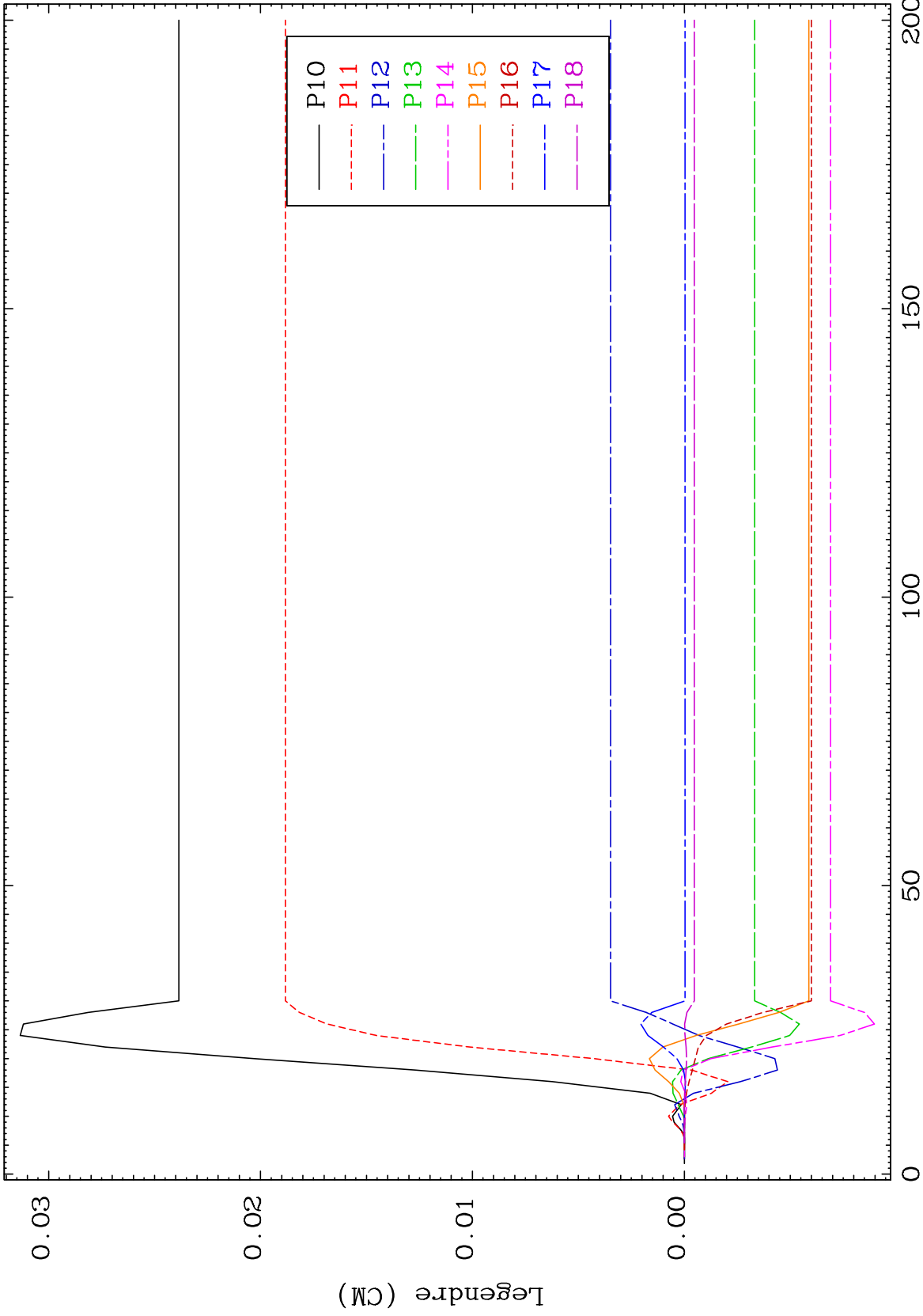


58 68-Er-158

MAT 6813

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

68-Er-158



59

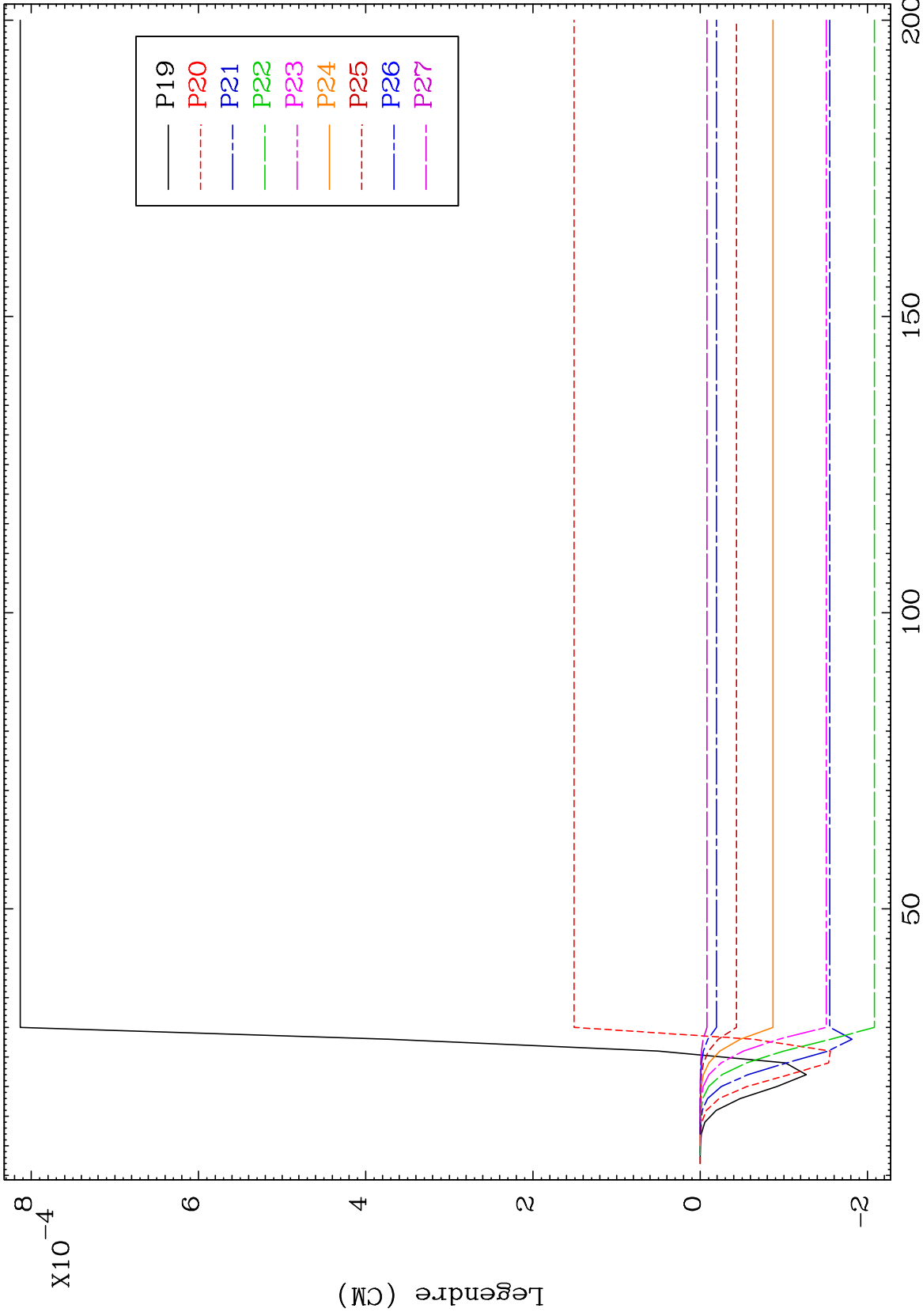
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



60

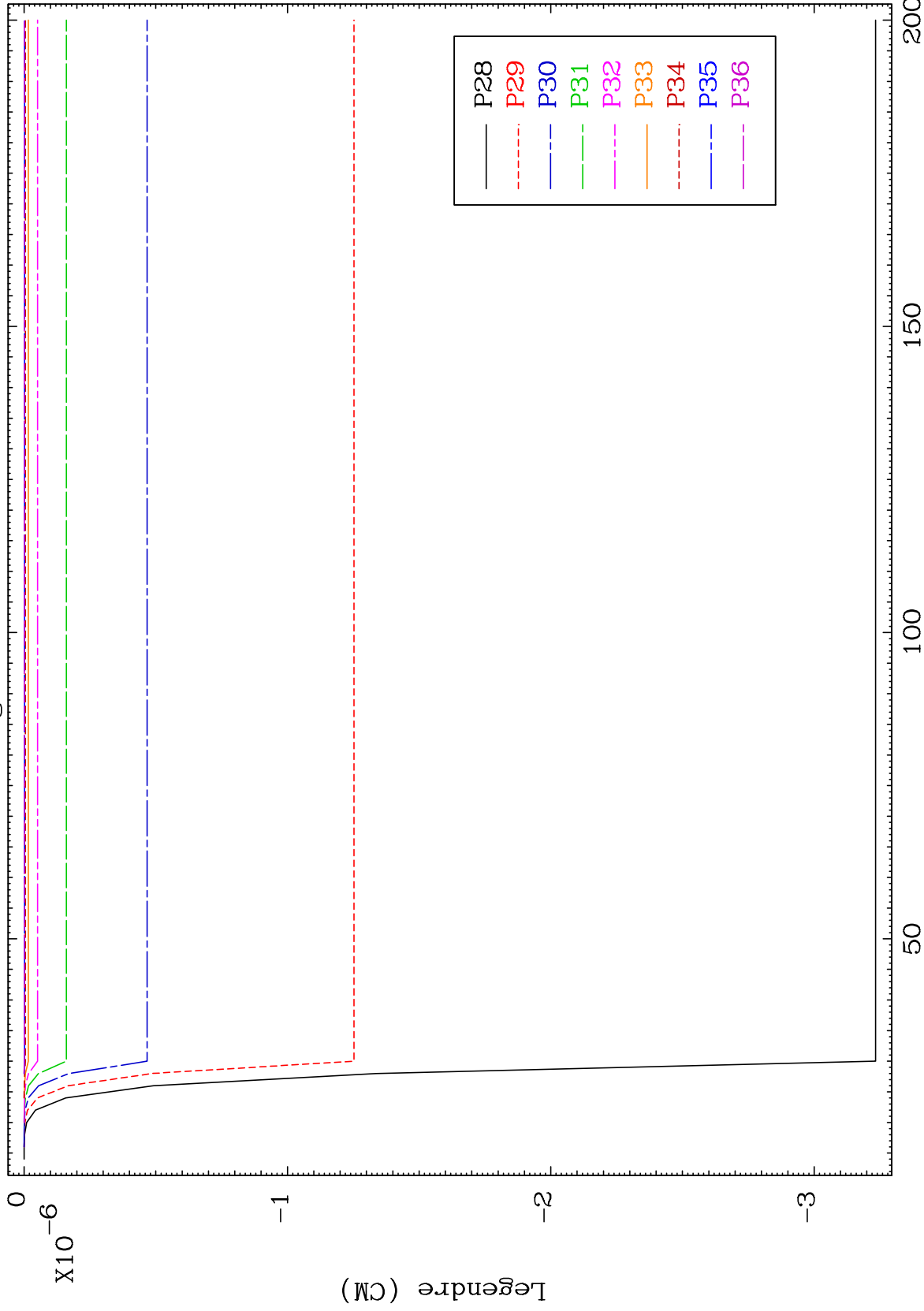
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



68-Er-158

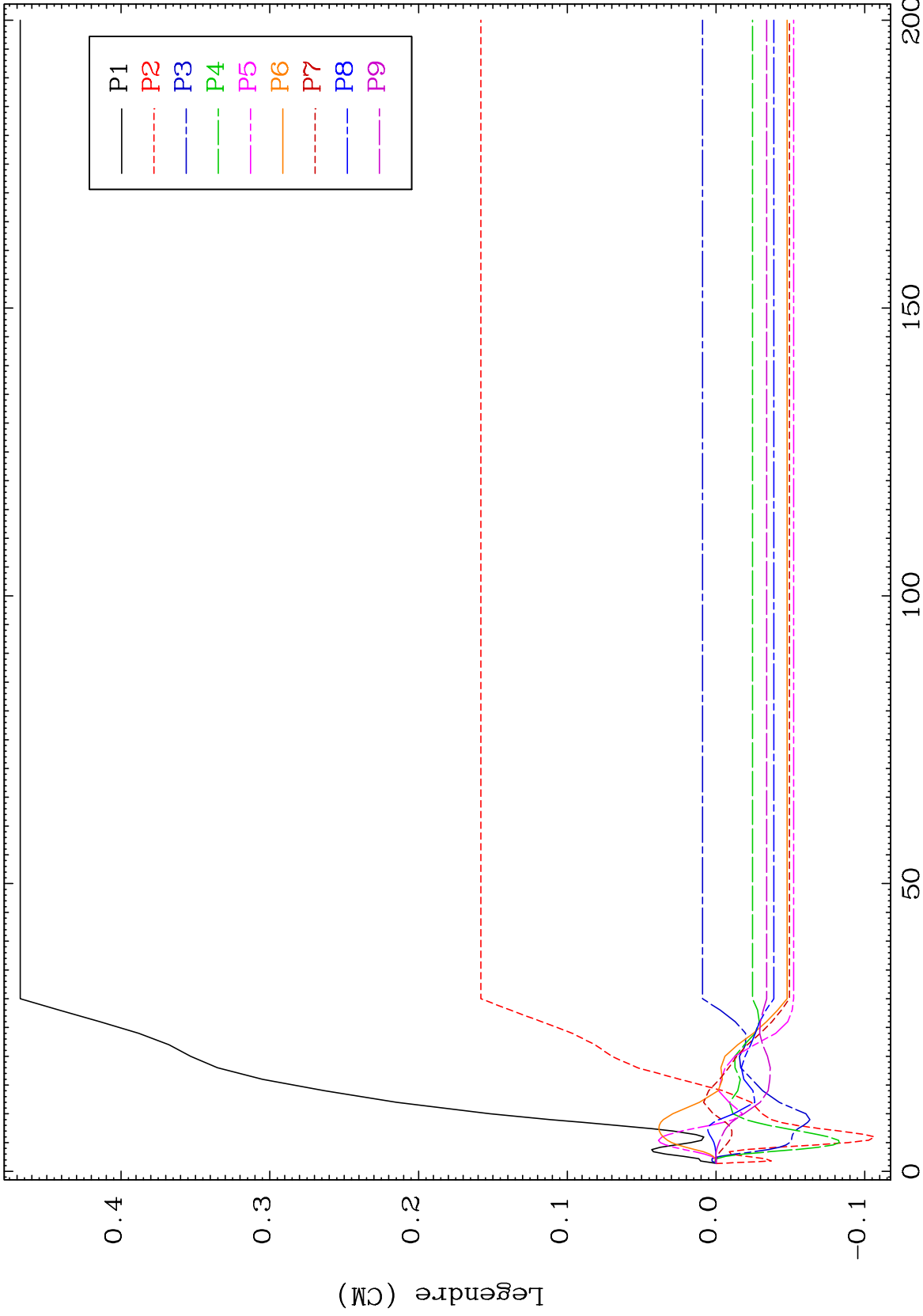
Incident Energy (MeV)

61

MAT 6813

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

68-Er-158



62

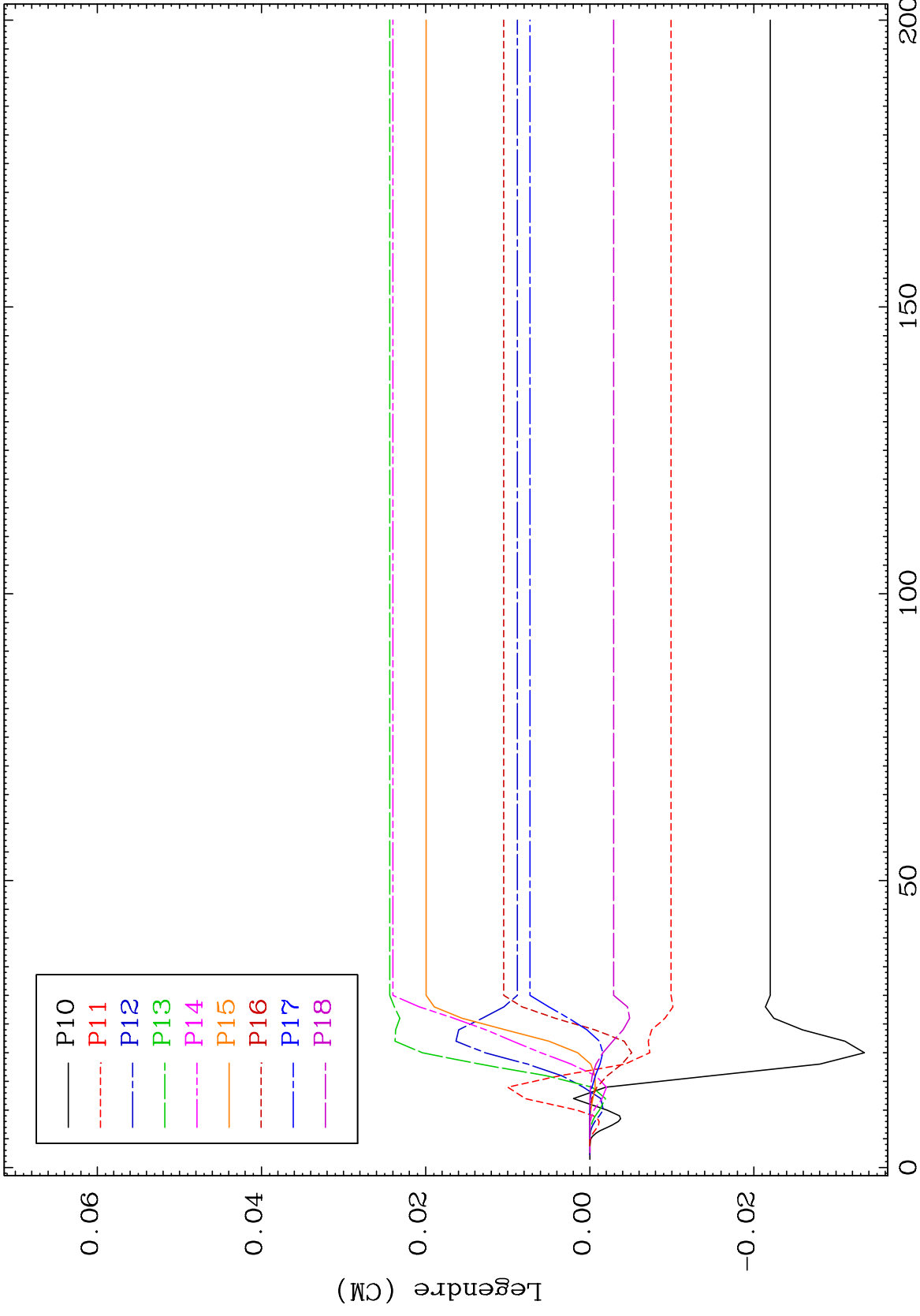
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



63

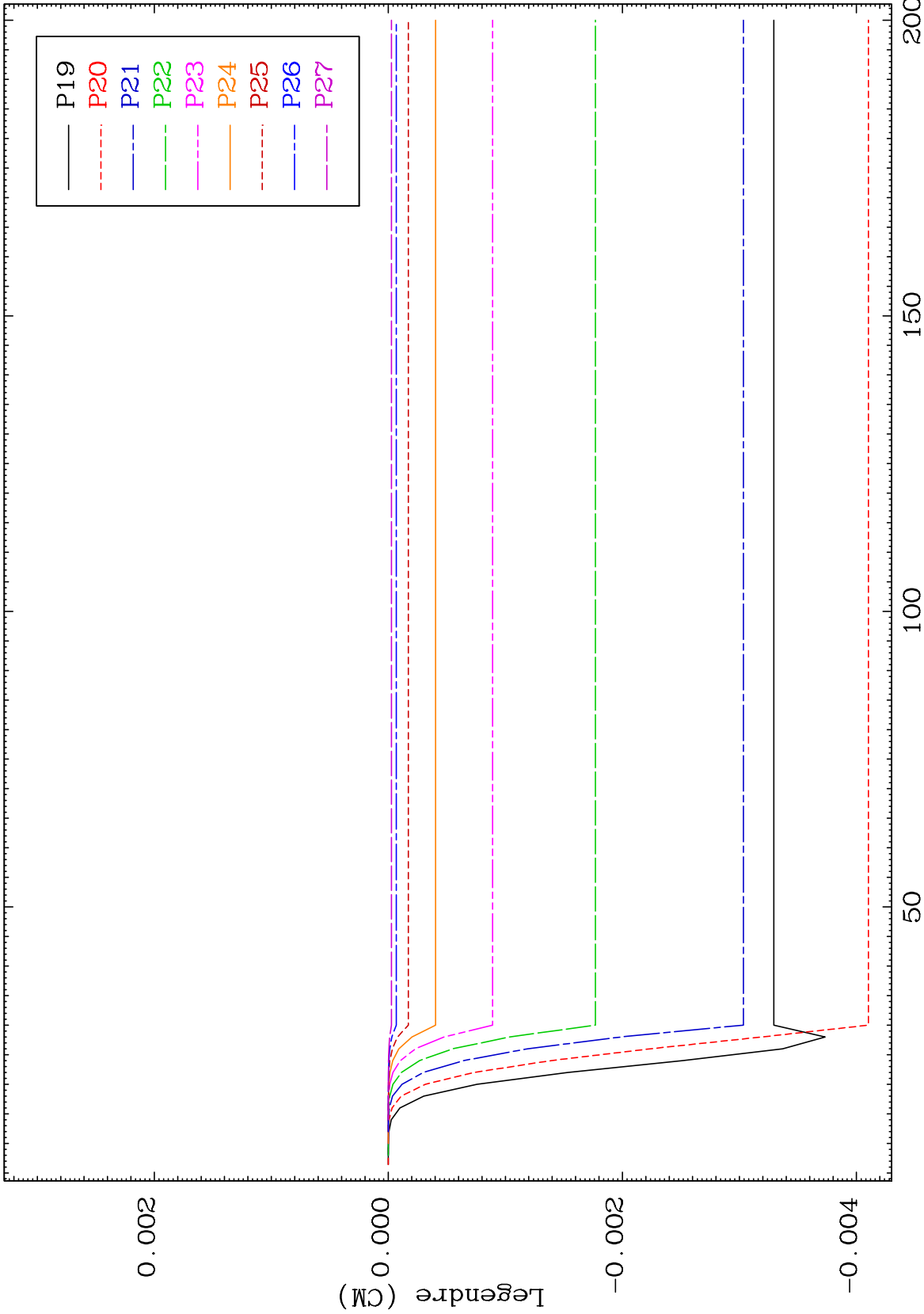
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



64

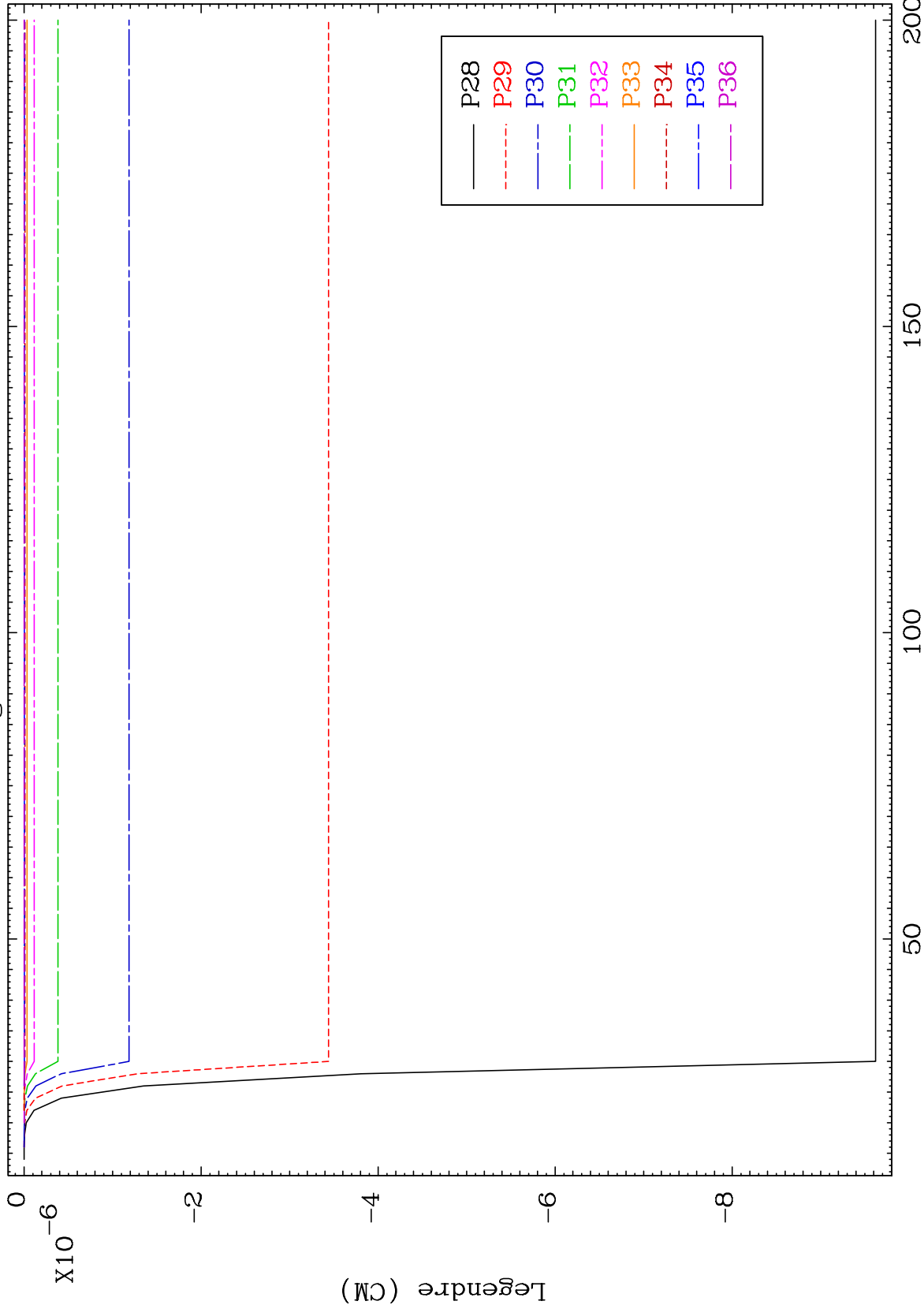
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



68-Er-158

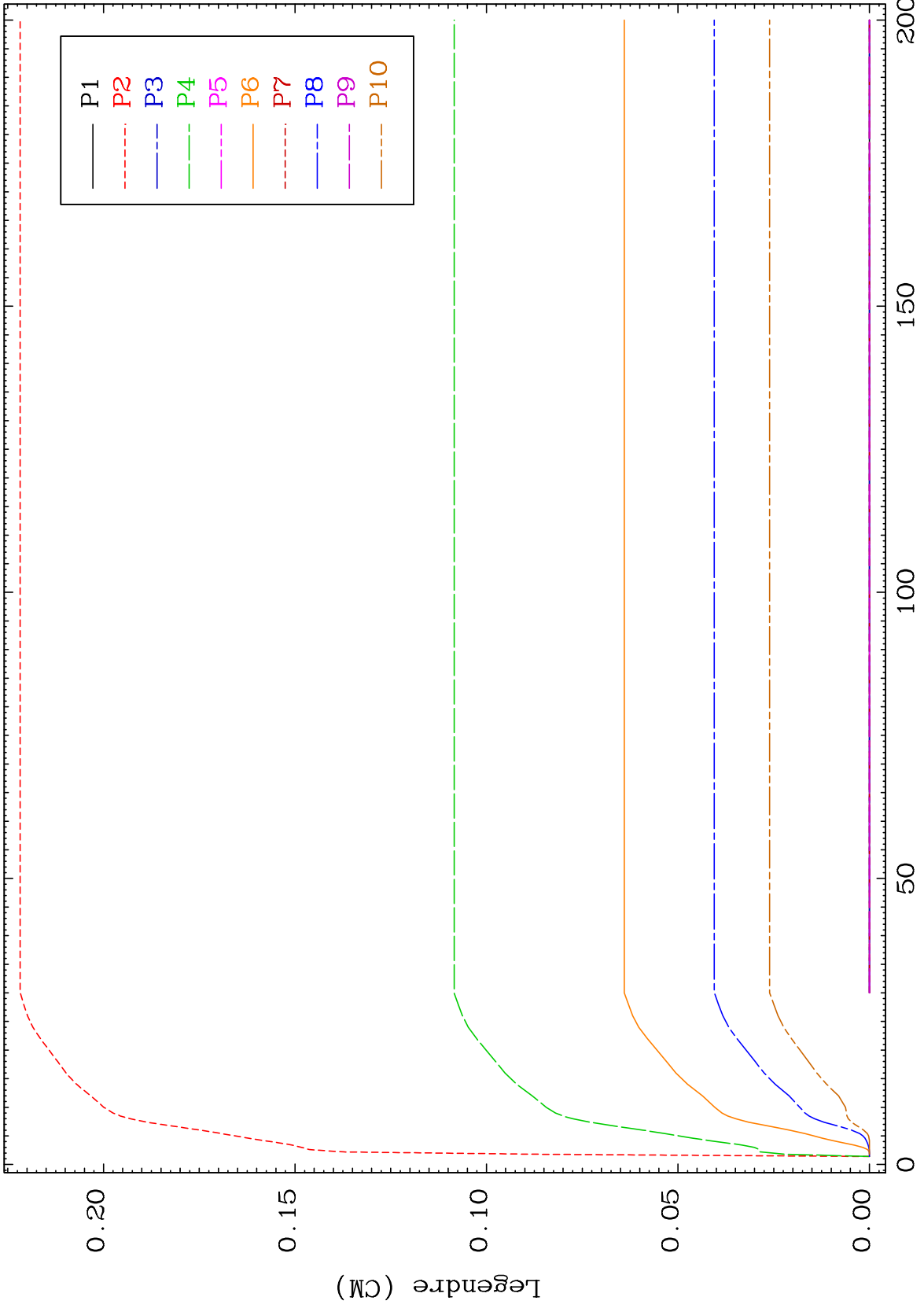
Incident Energy (MeV)

65

MAT 6813

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

68-Er-158



66

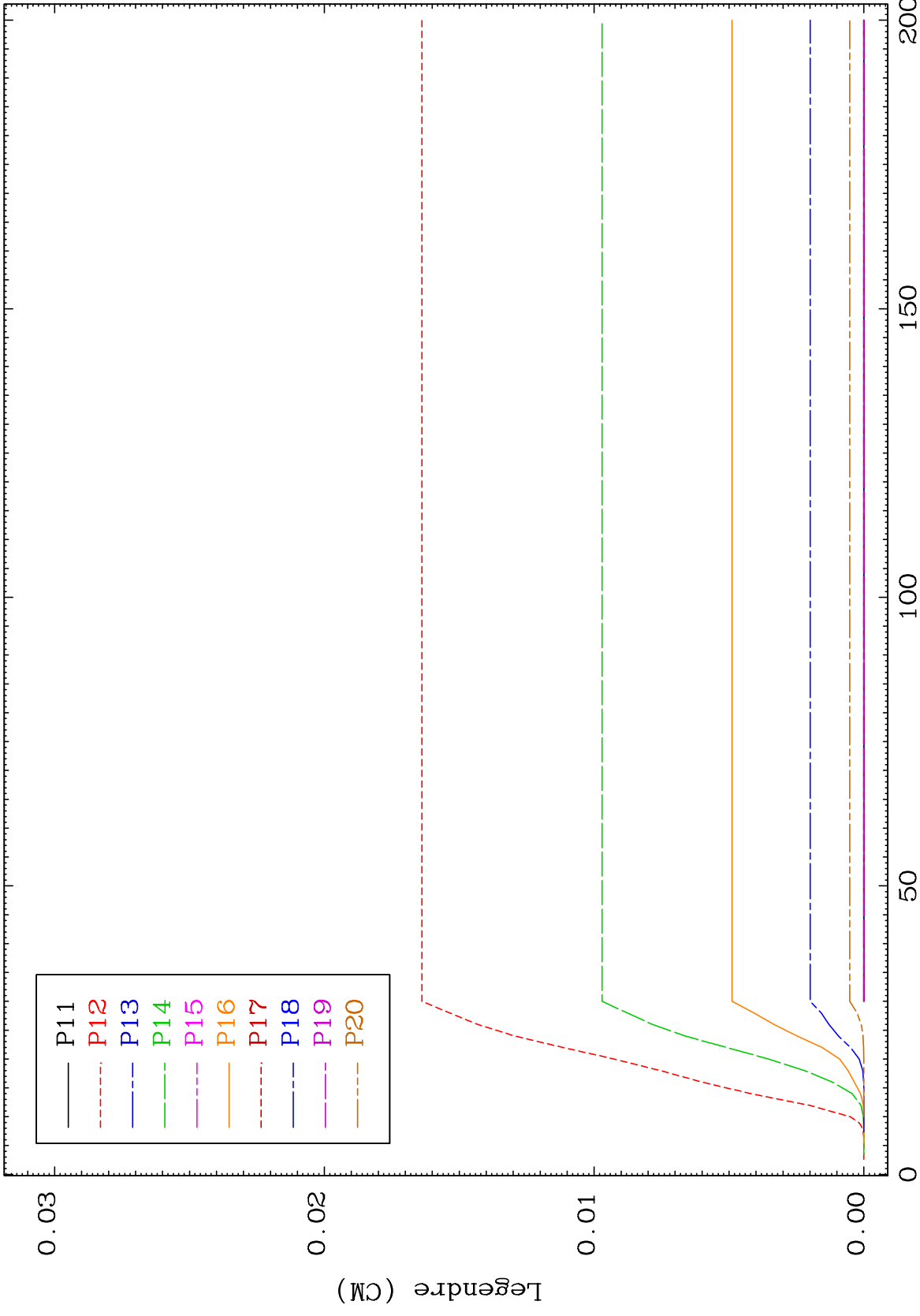
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158

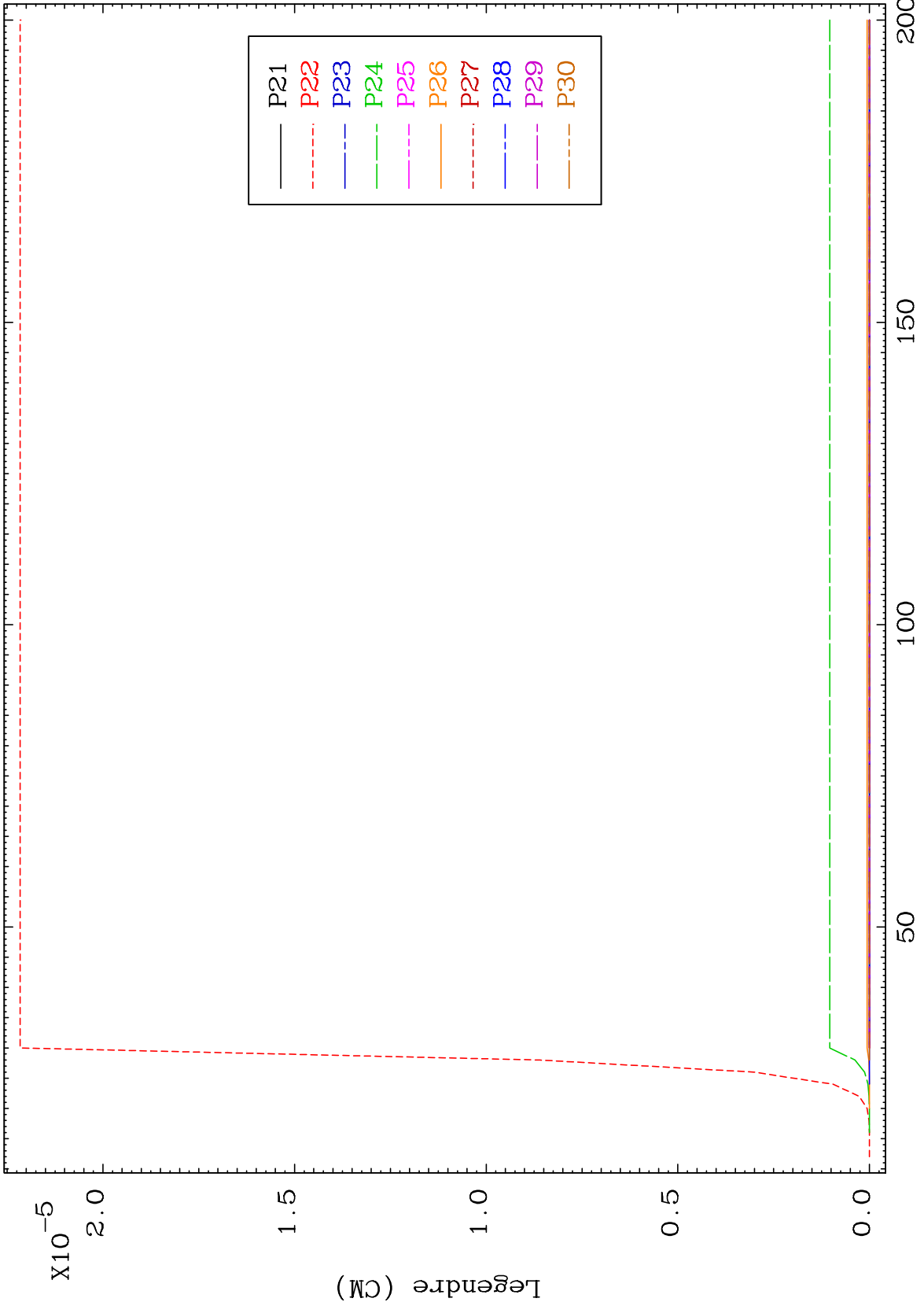


67

Incident Energy (MeV)

68-Er-158

MAT 6813 MT= 63 (n,n') Level Legendre Coefficients 68-Er-158

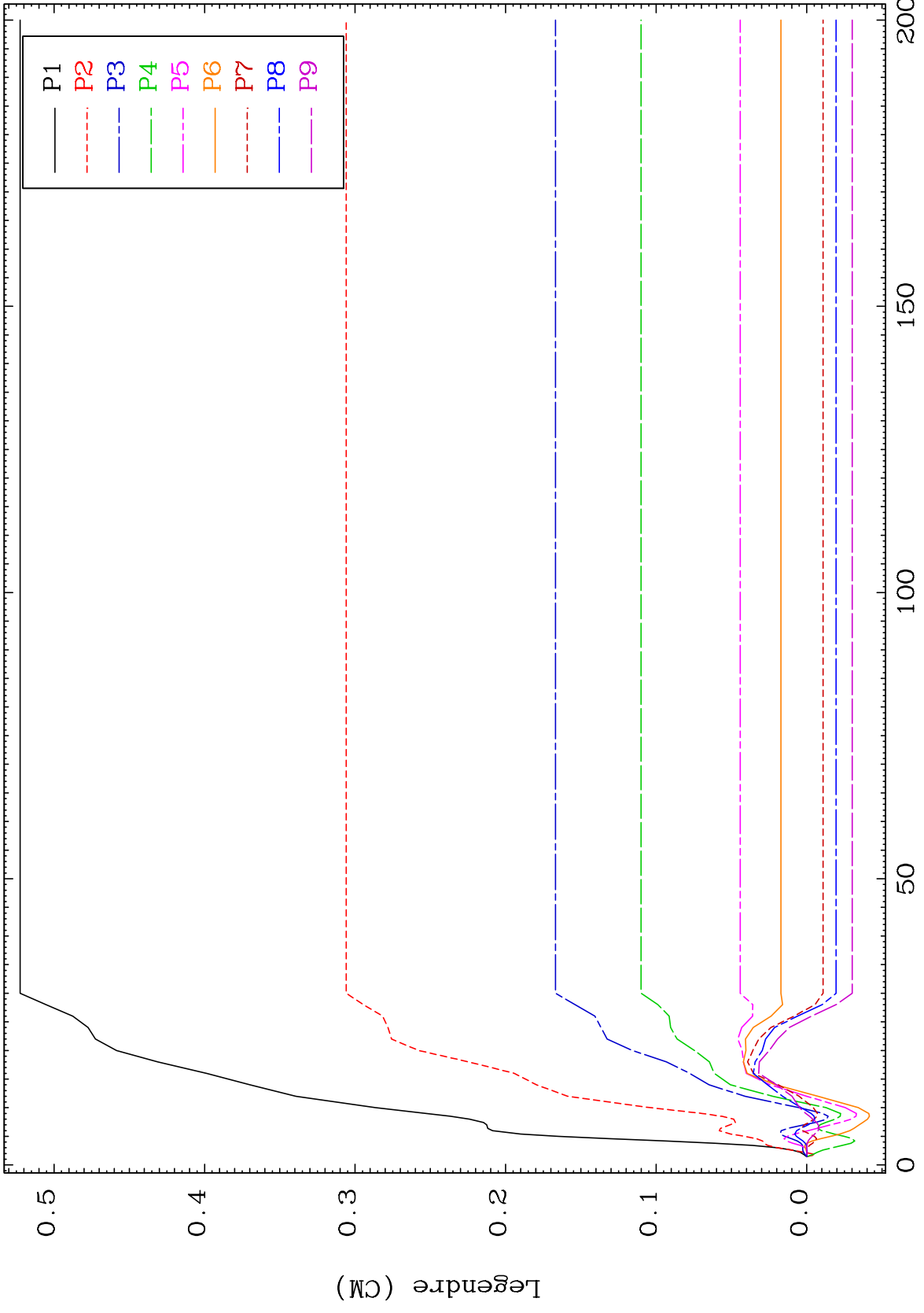


68 68-Er-158

MAT 6813

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

68-Er-158



69

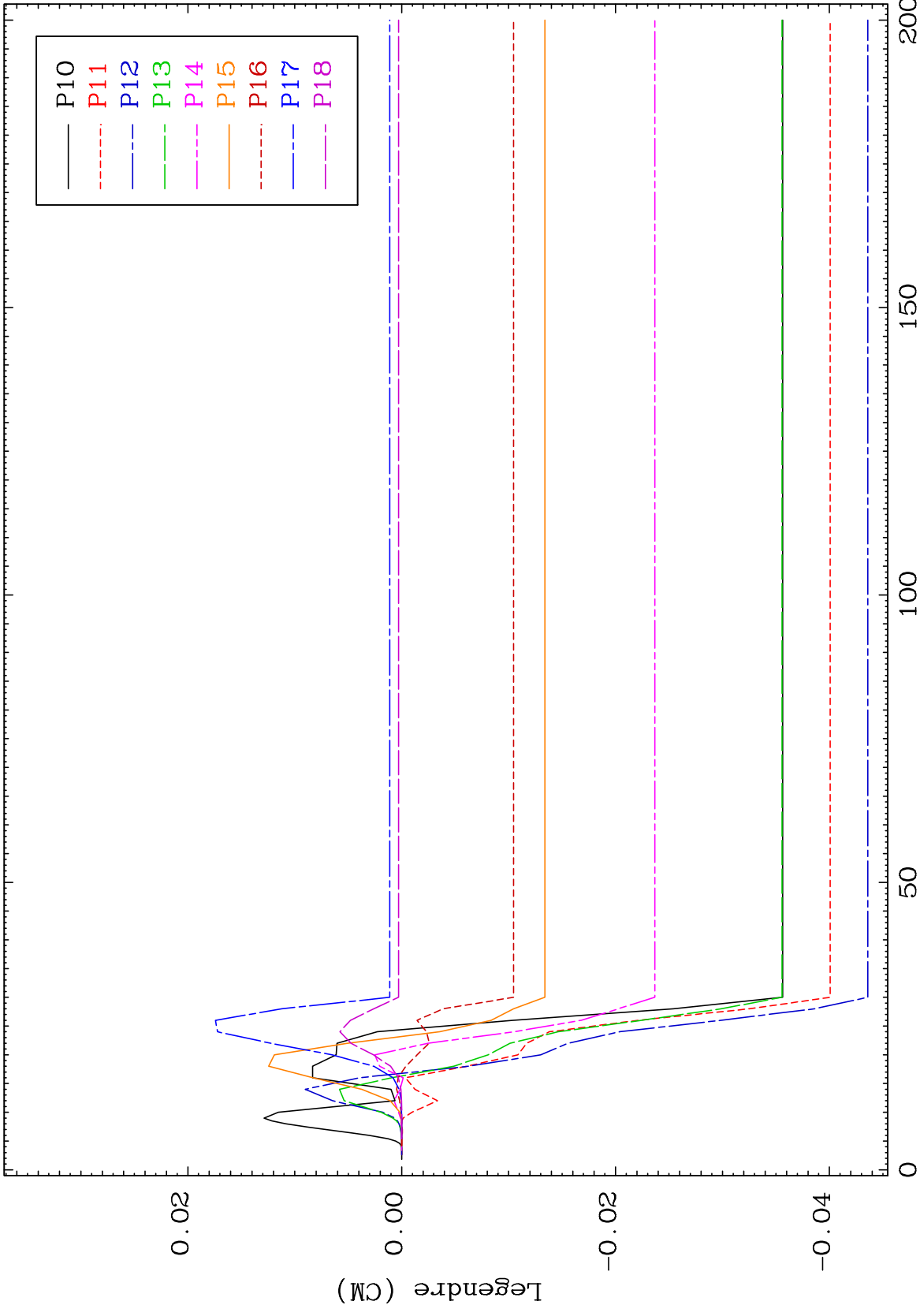
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



70

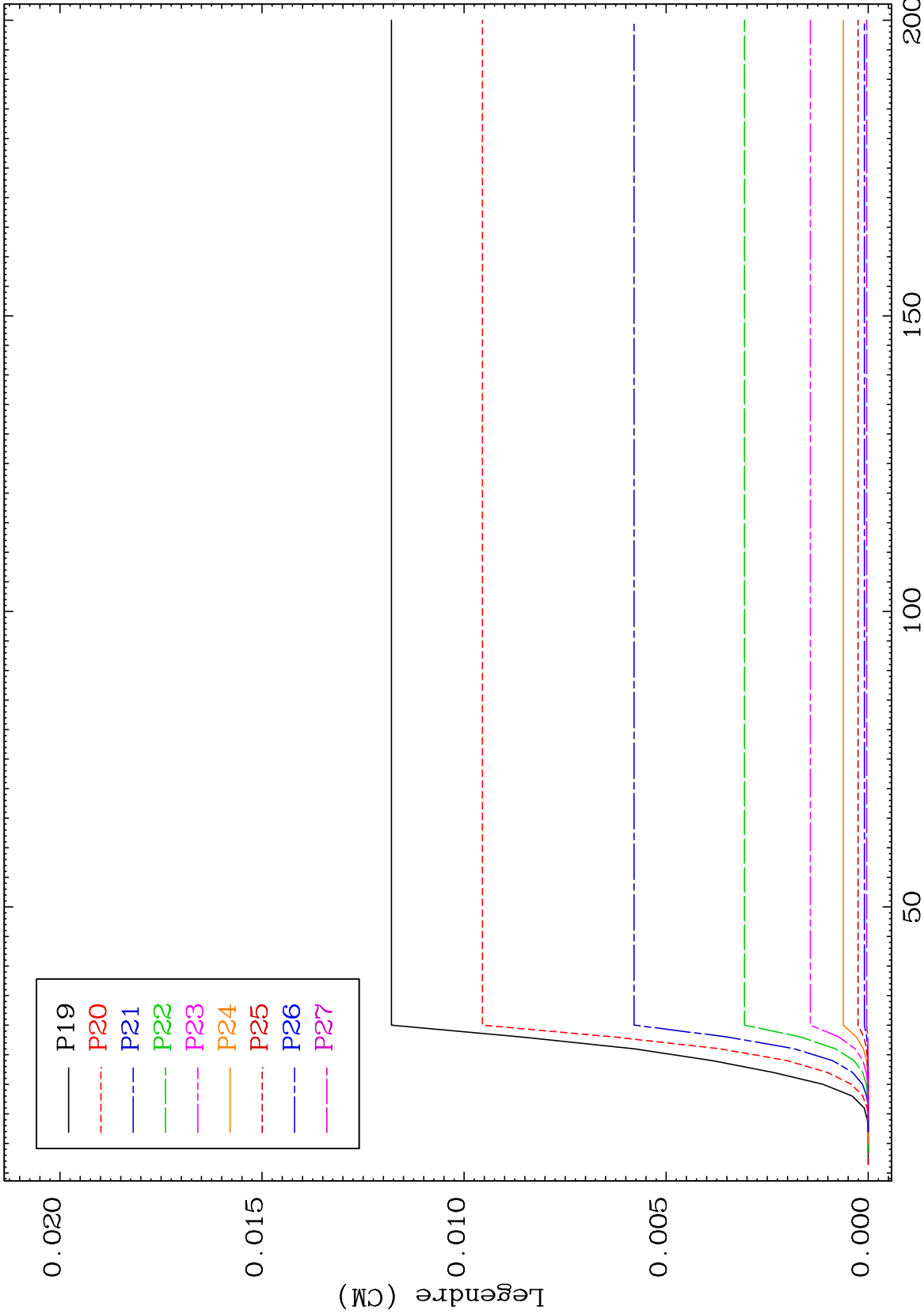
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



71

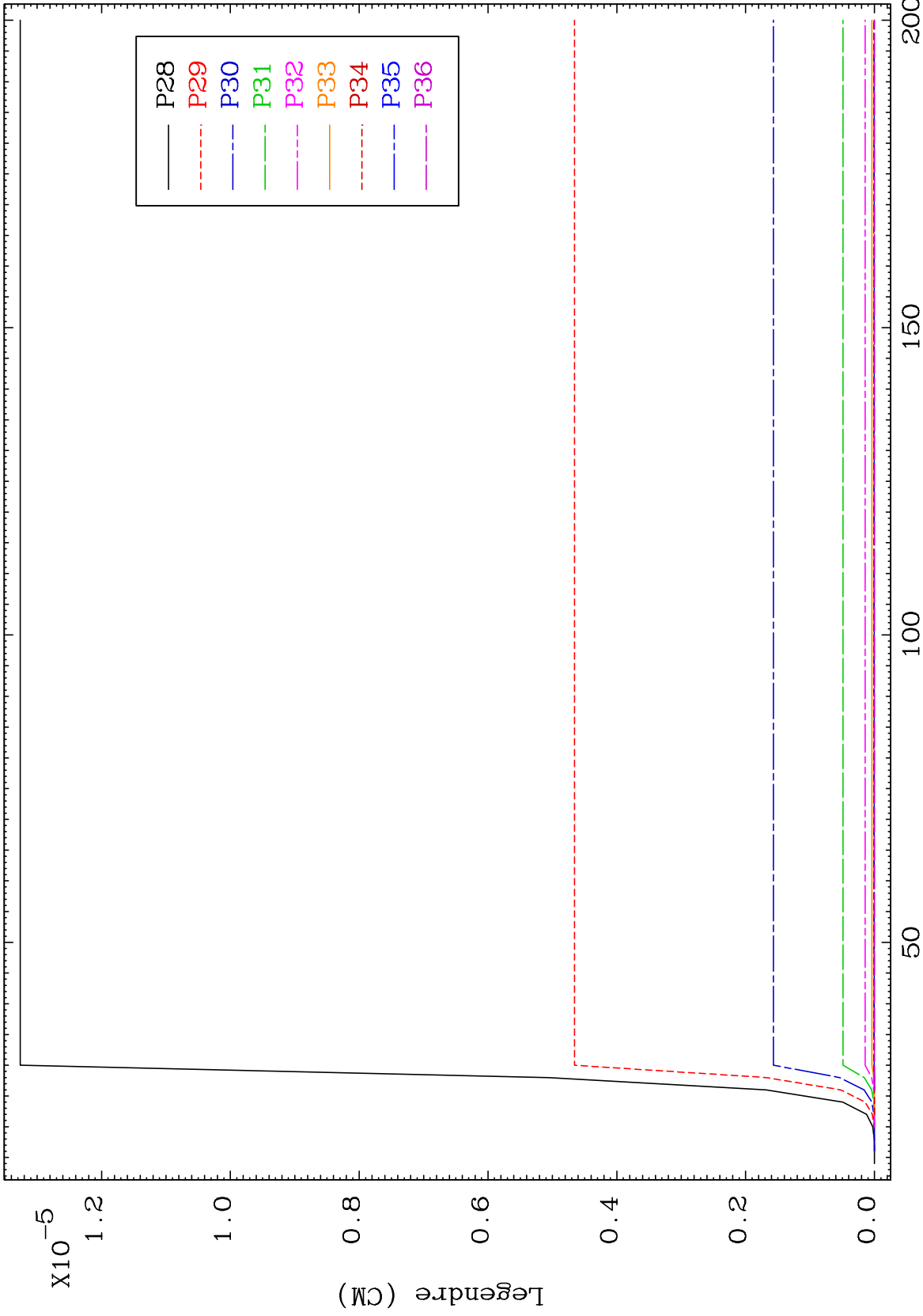
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



72

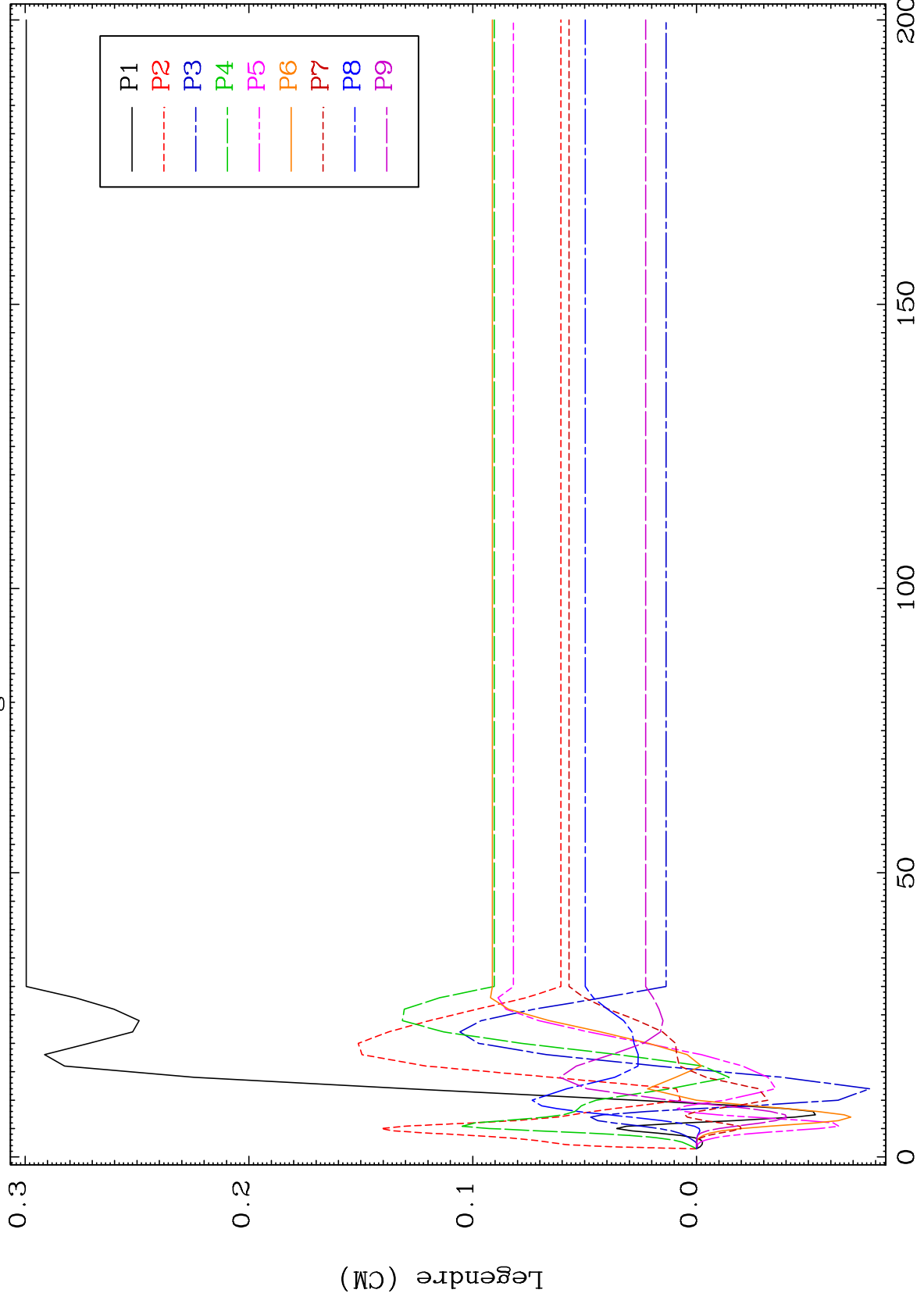
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



73

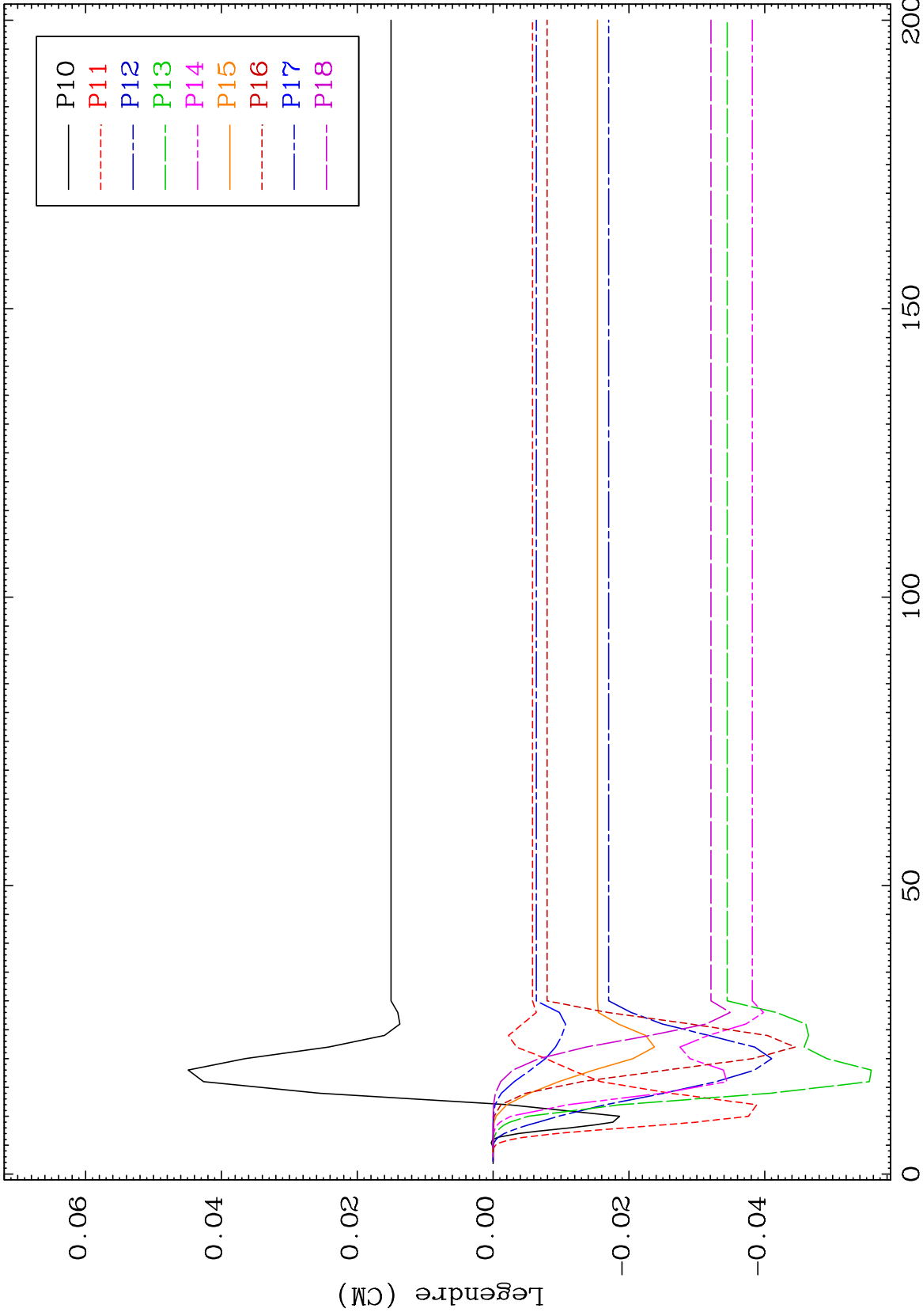
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



74

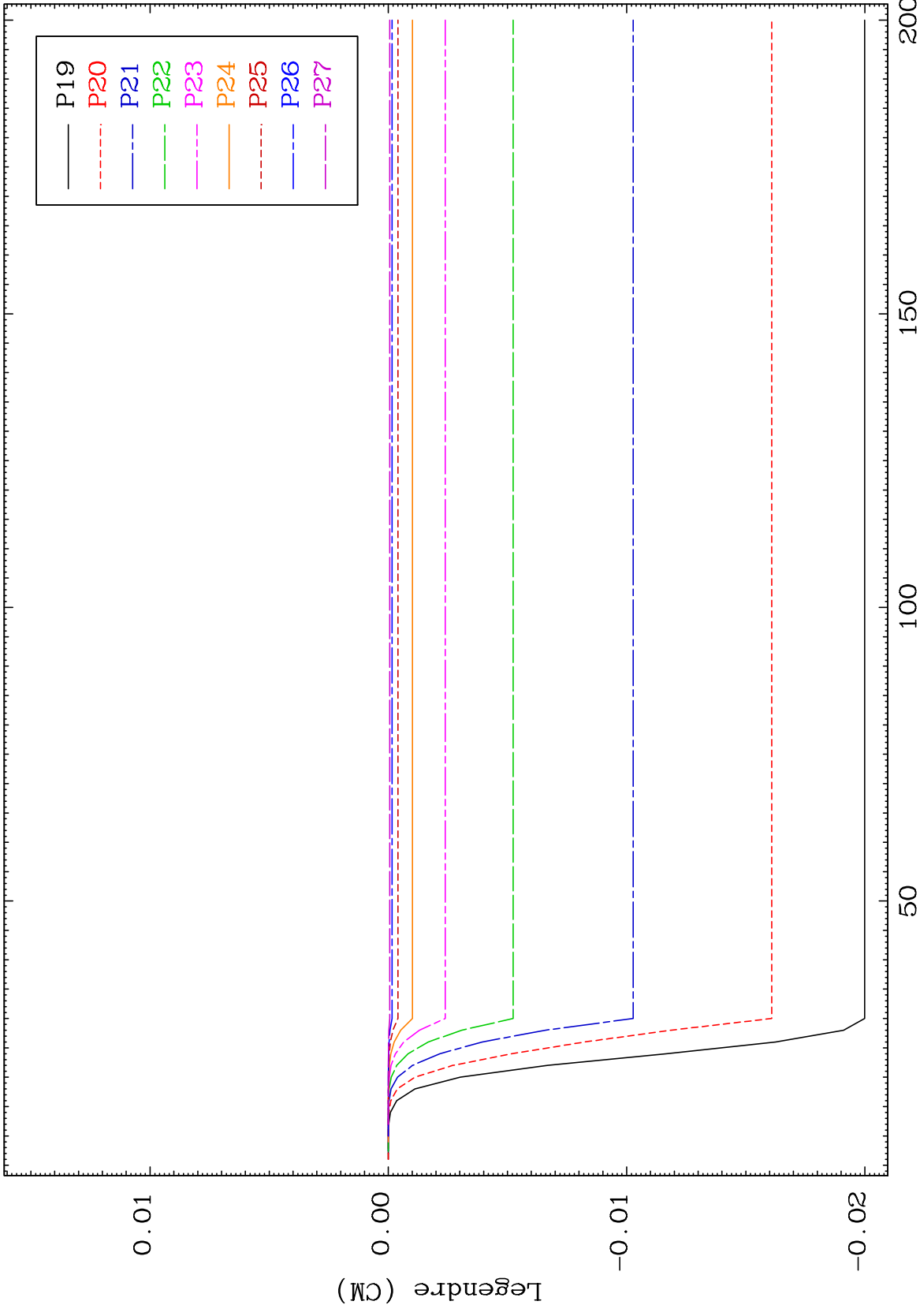
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



75

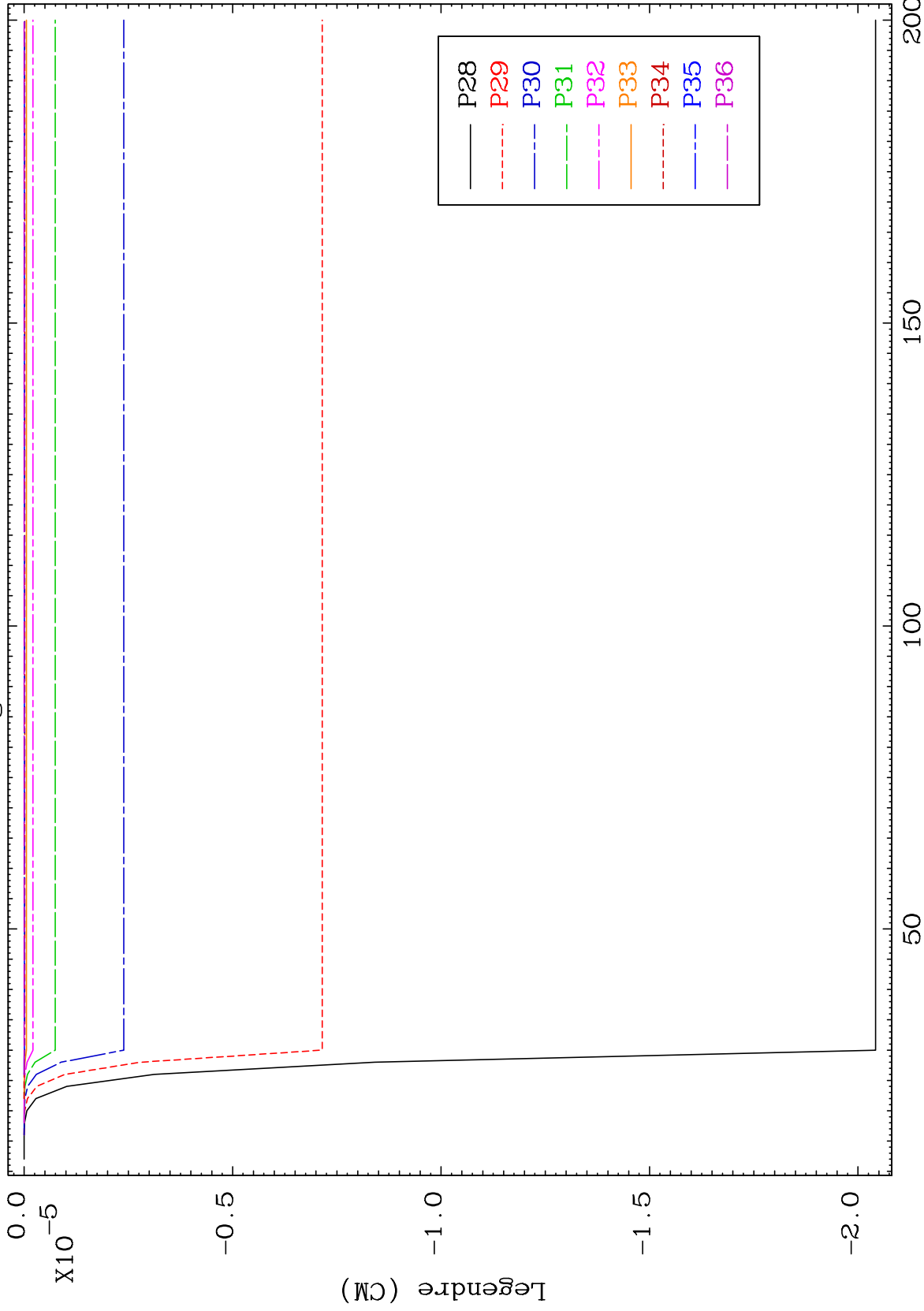
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



68-Er-158

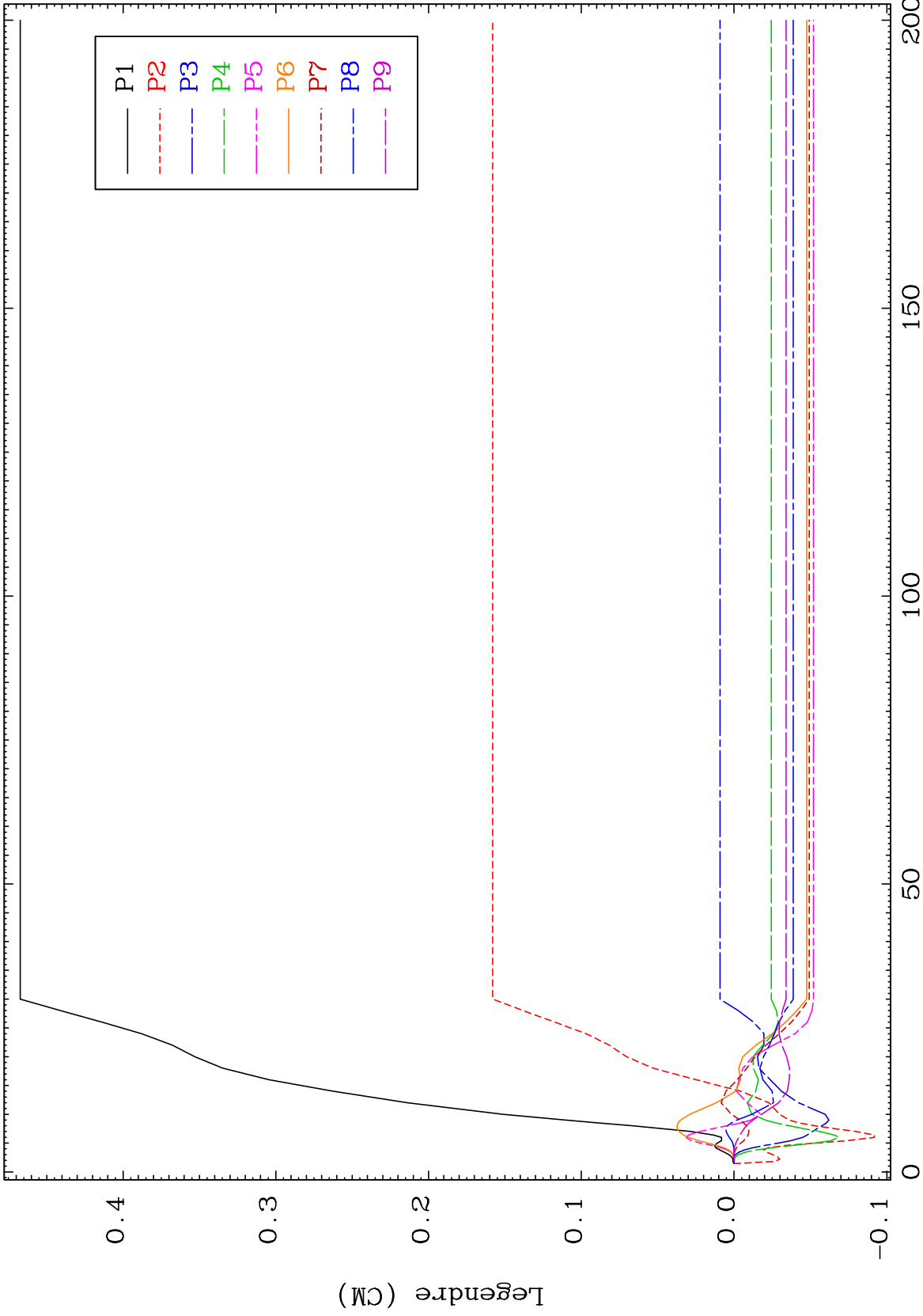
Incident Energy (MeV)

76

MAT 6813

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

68-Er-158



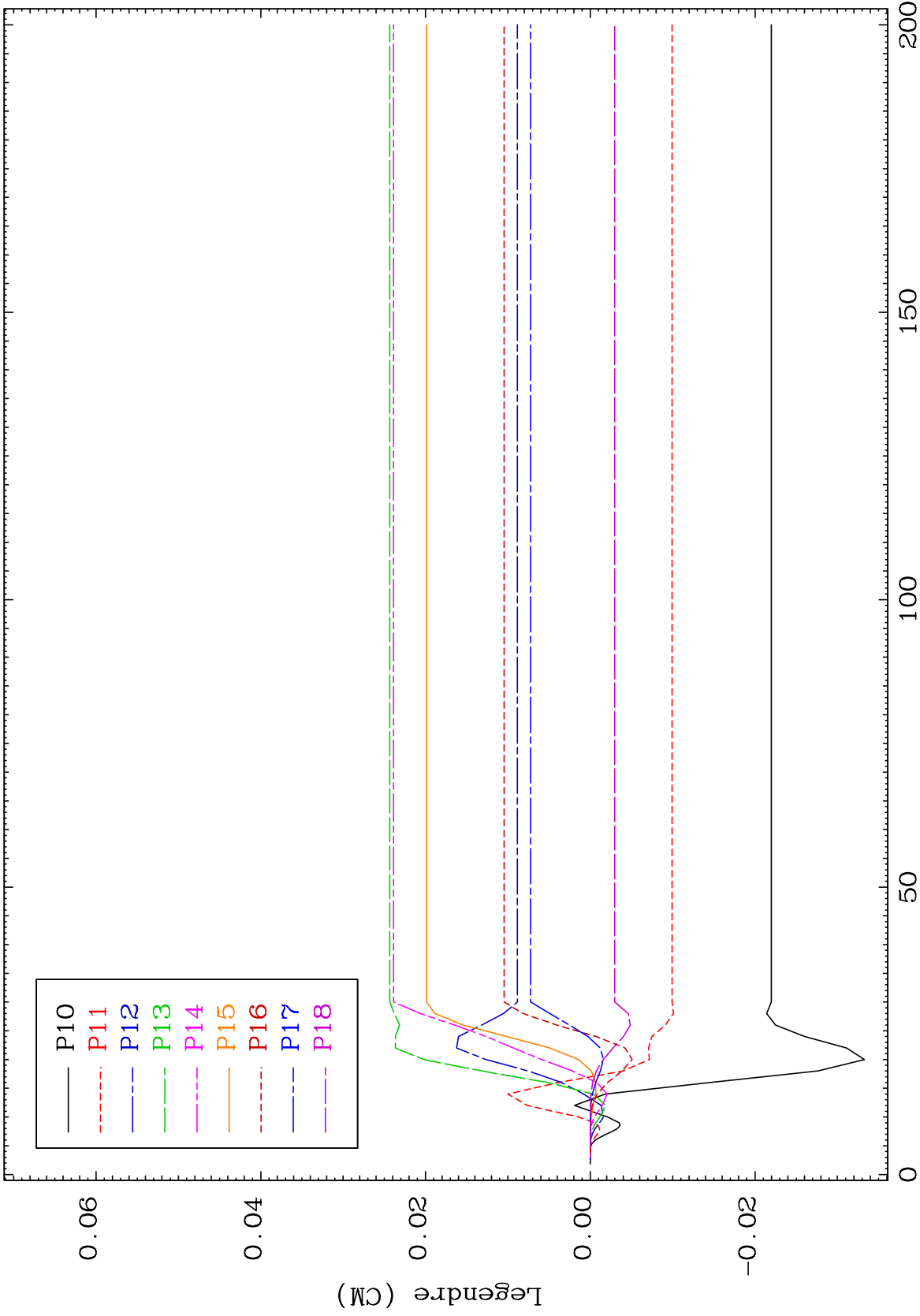
77

68-Er-158

MAT 6813

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

68-Er-158



78

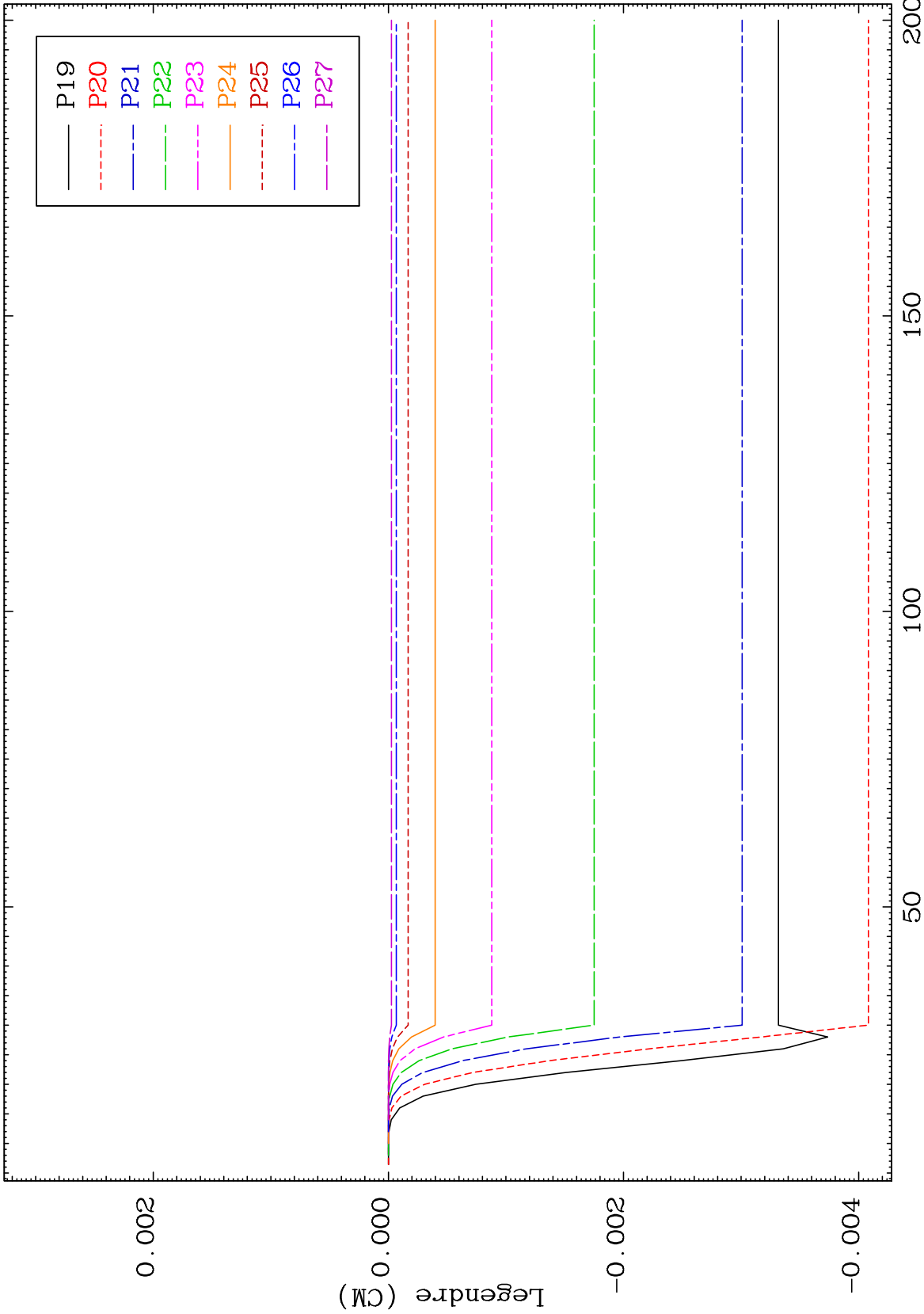
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



79

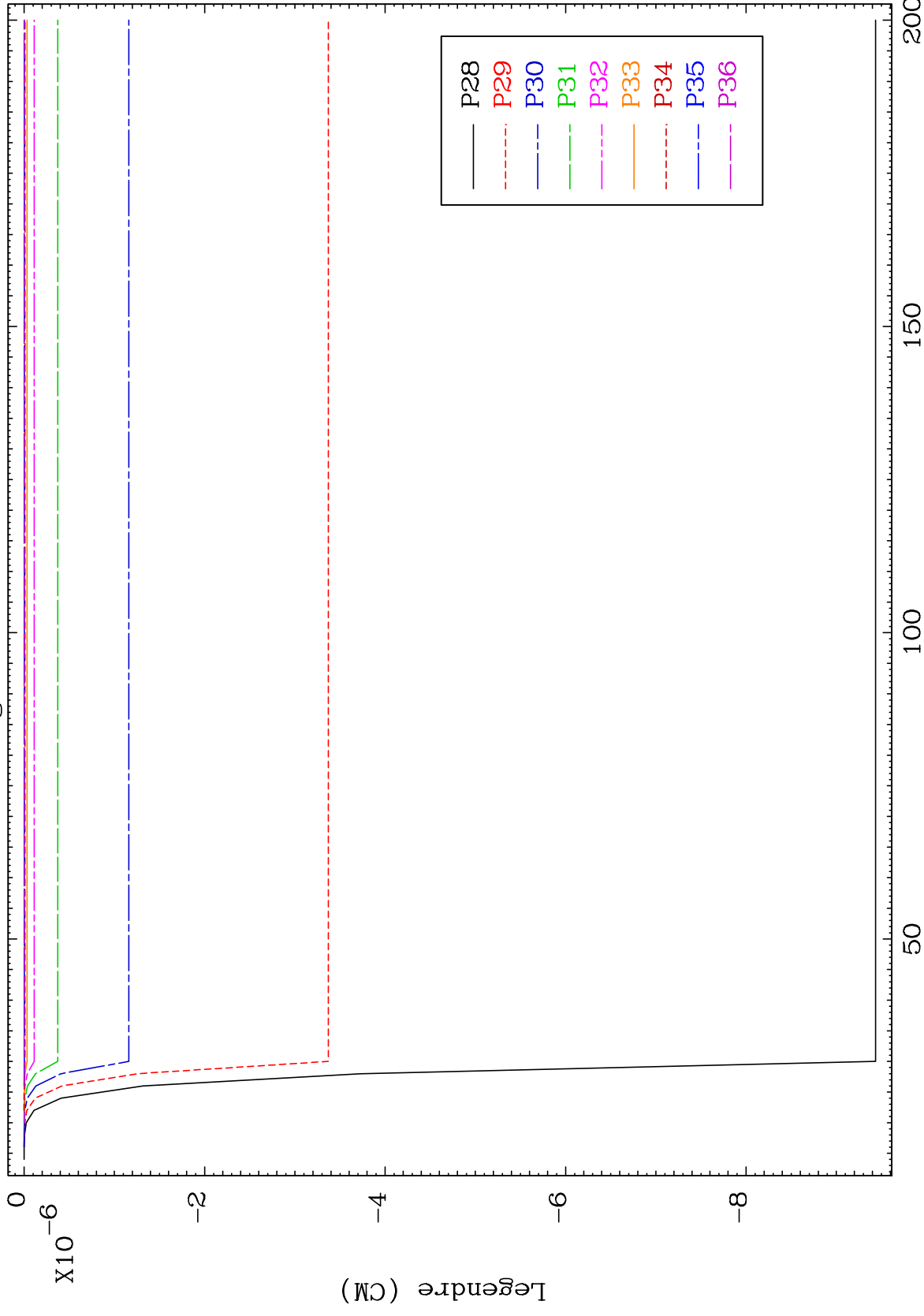
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



68-Er-158

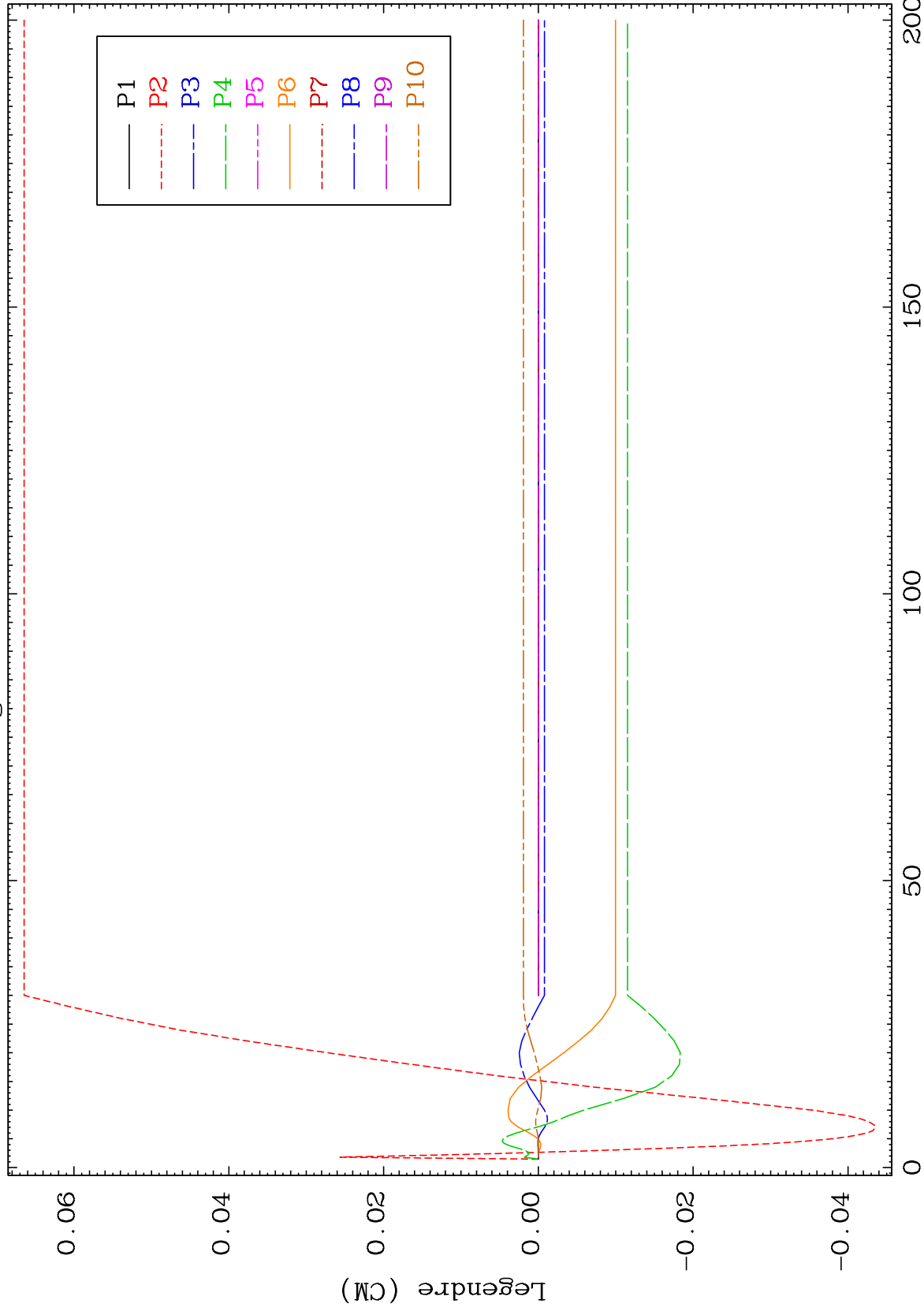
Incident Energy (MeV)

80

MAT 6813

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

68-Er-158



81

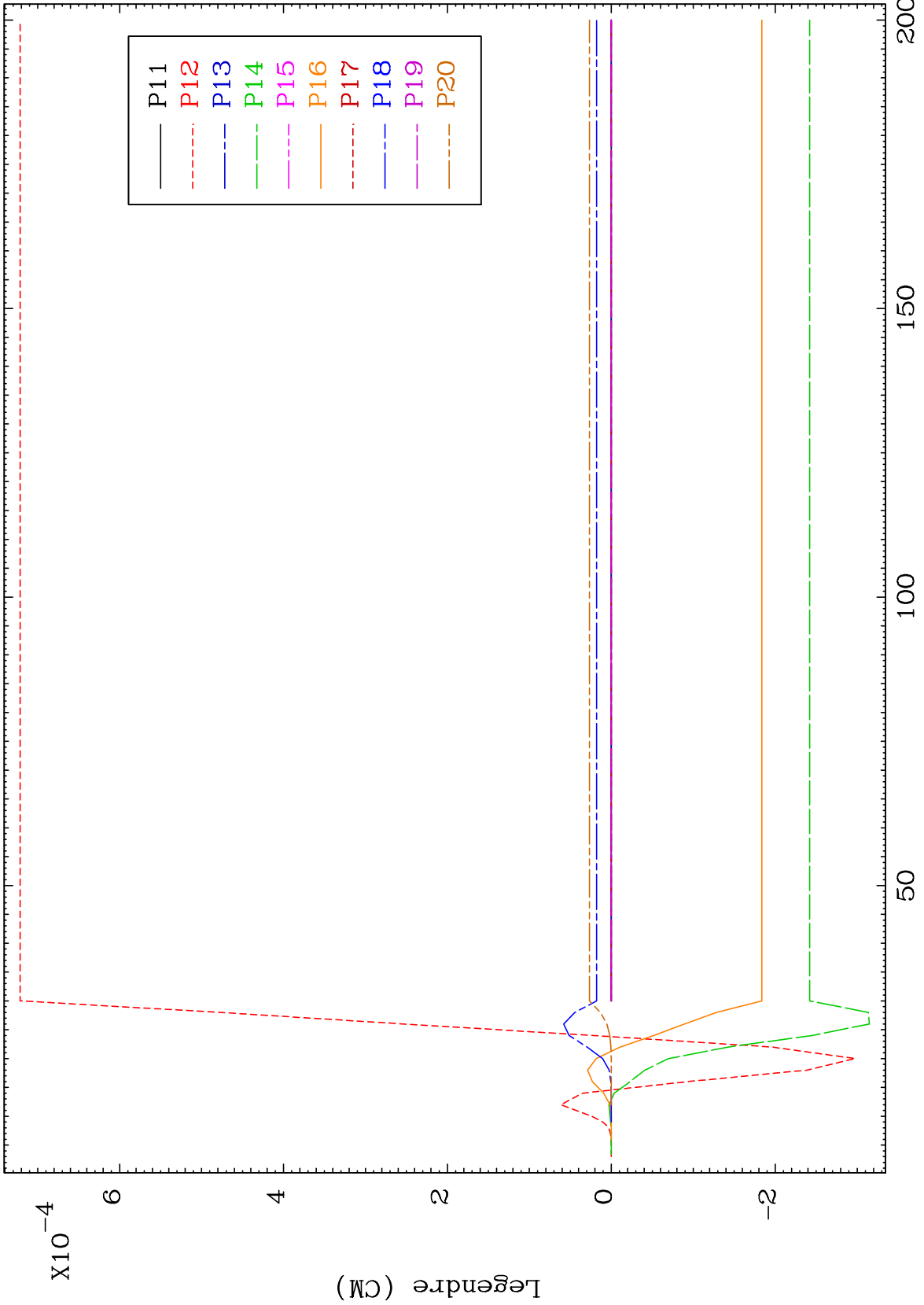
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



82

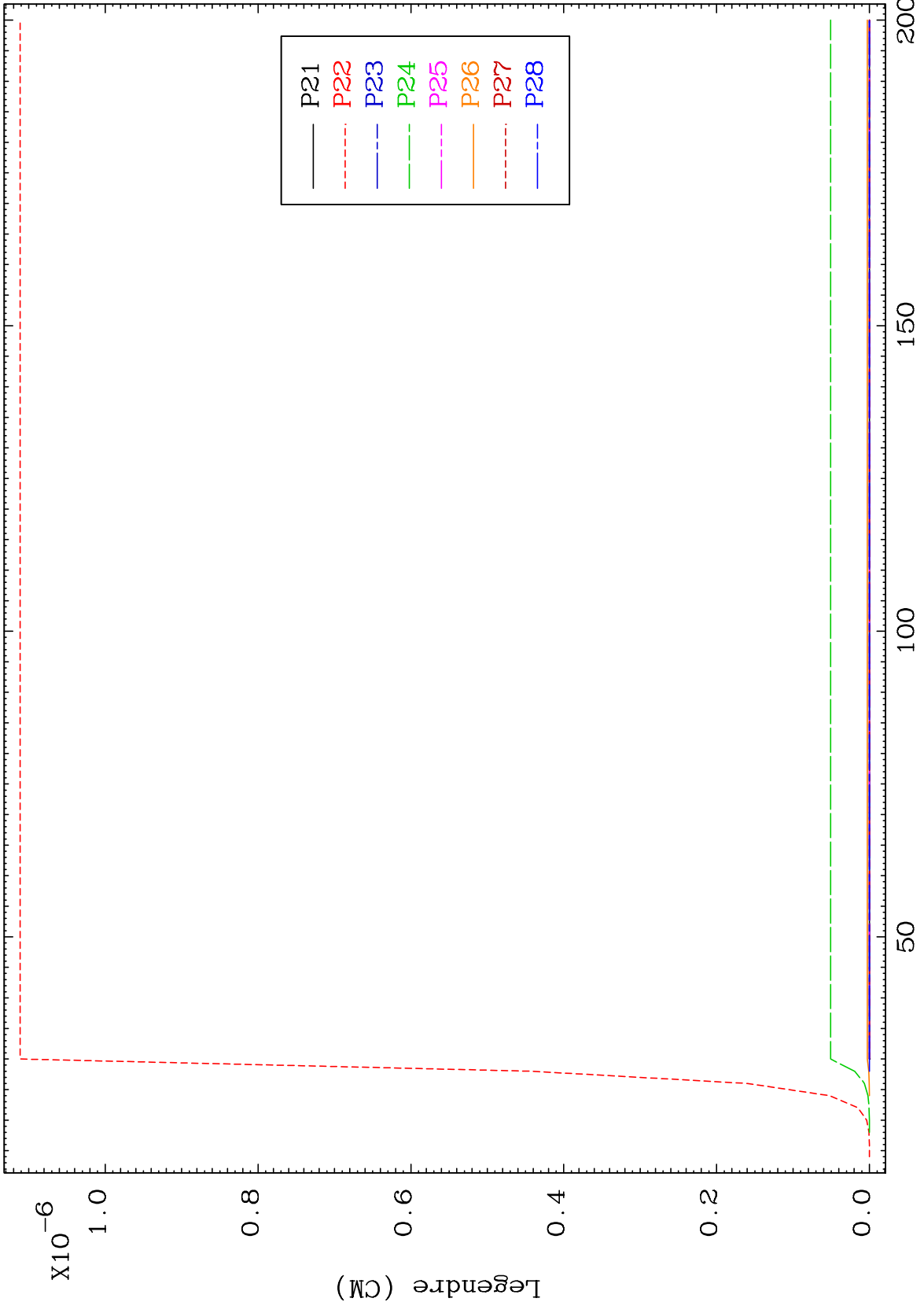
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



83

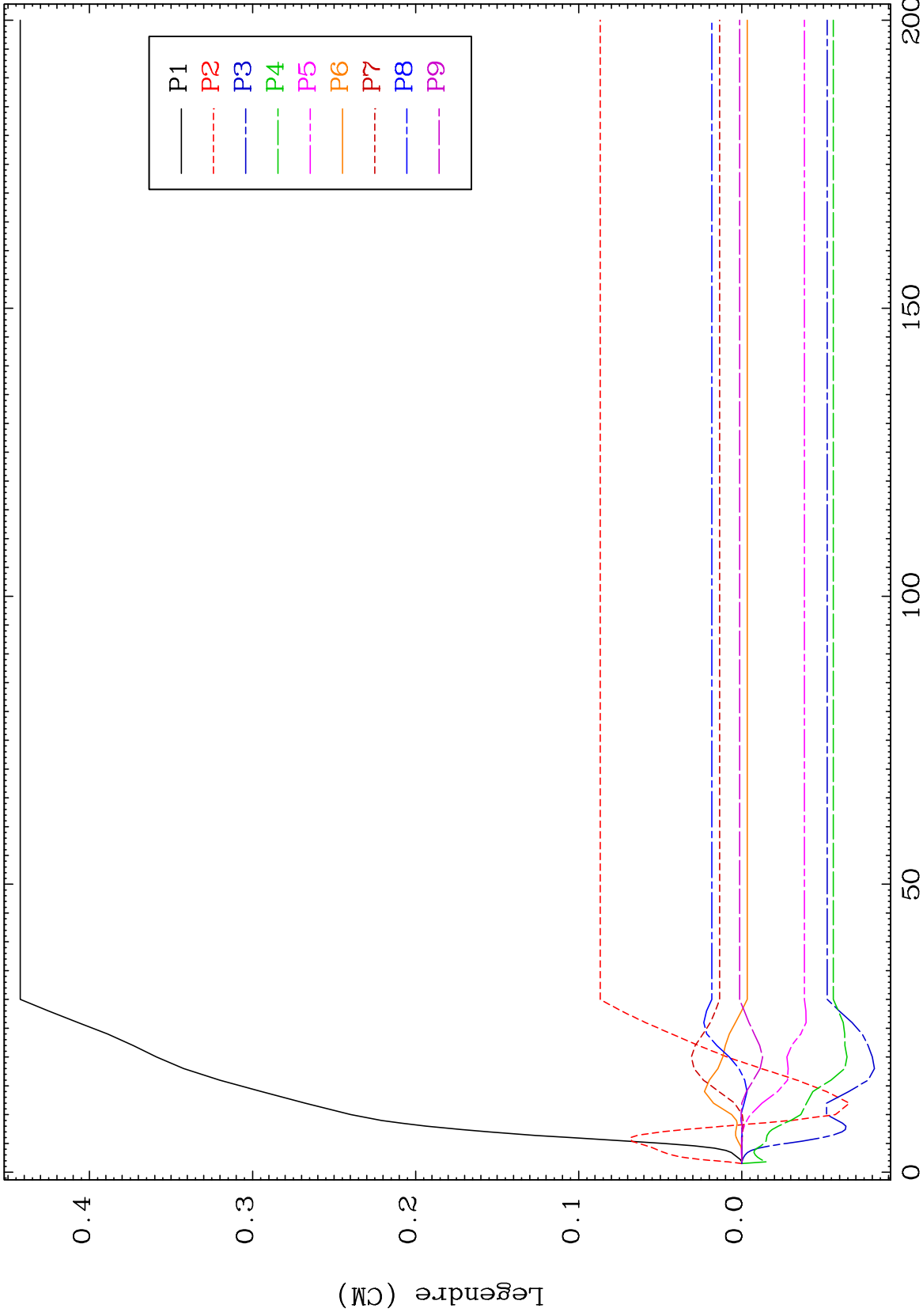
Incident Energy (MeV)

68-Er-158

MAT 6813

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

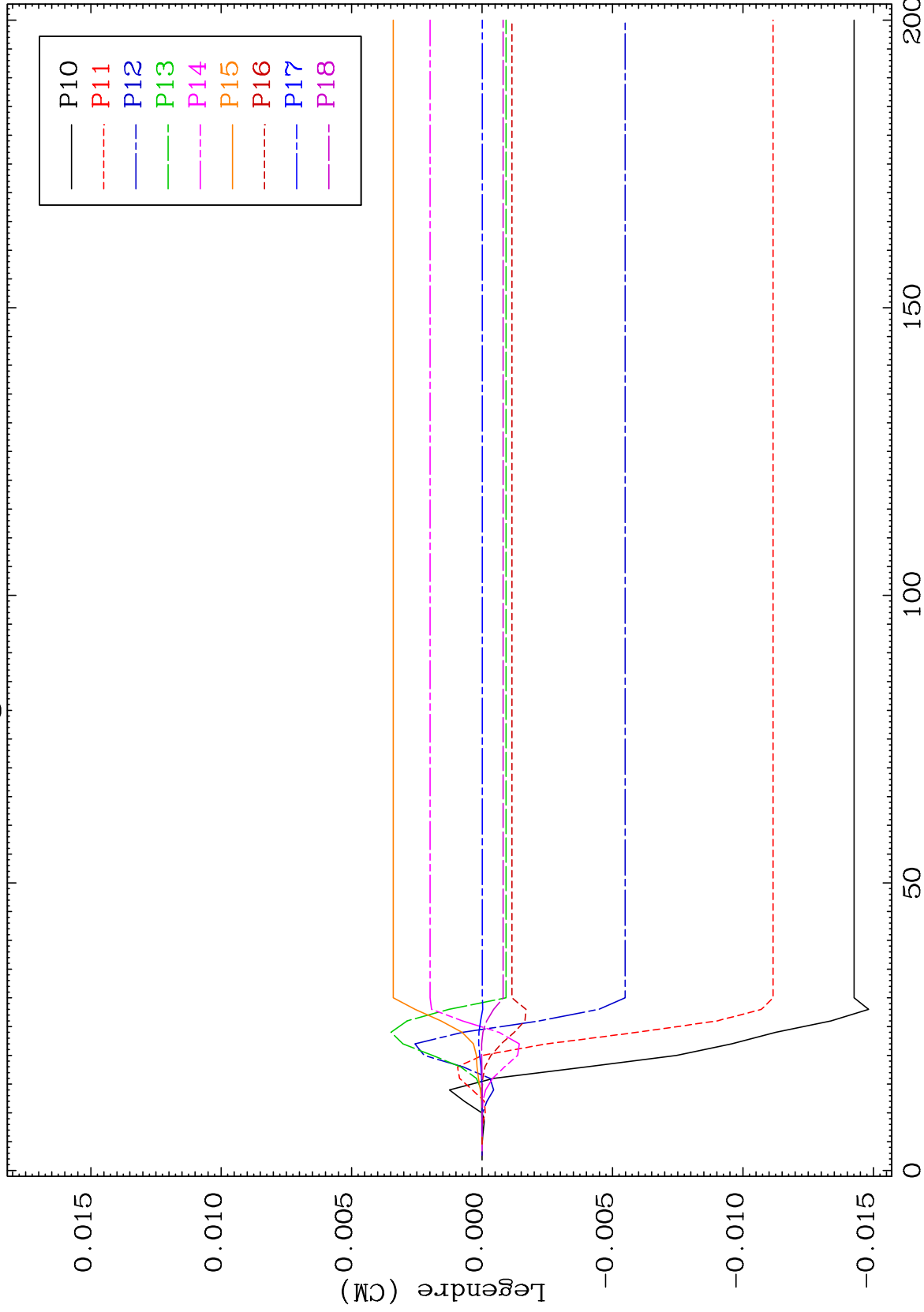
68-Er-158



MAT 6813

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

68-Er-158



85

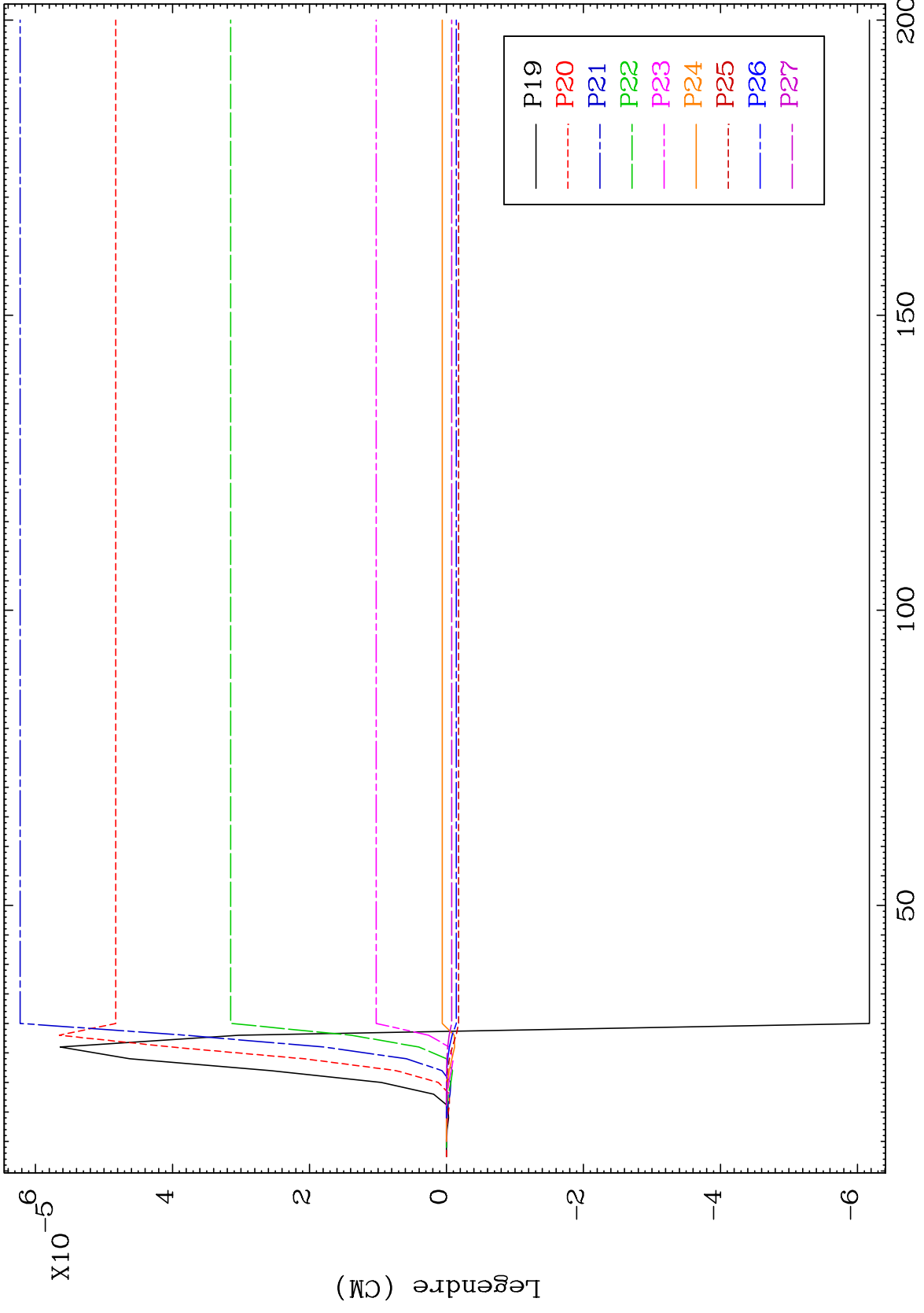
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



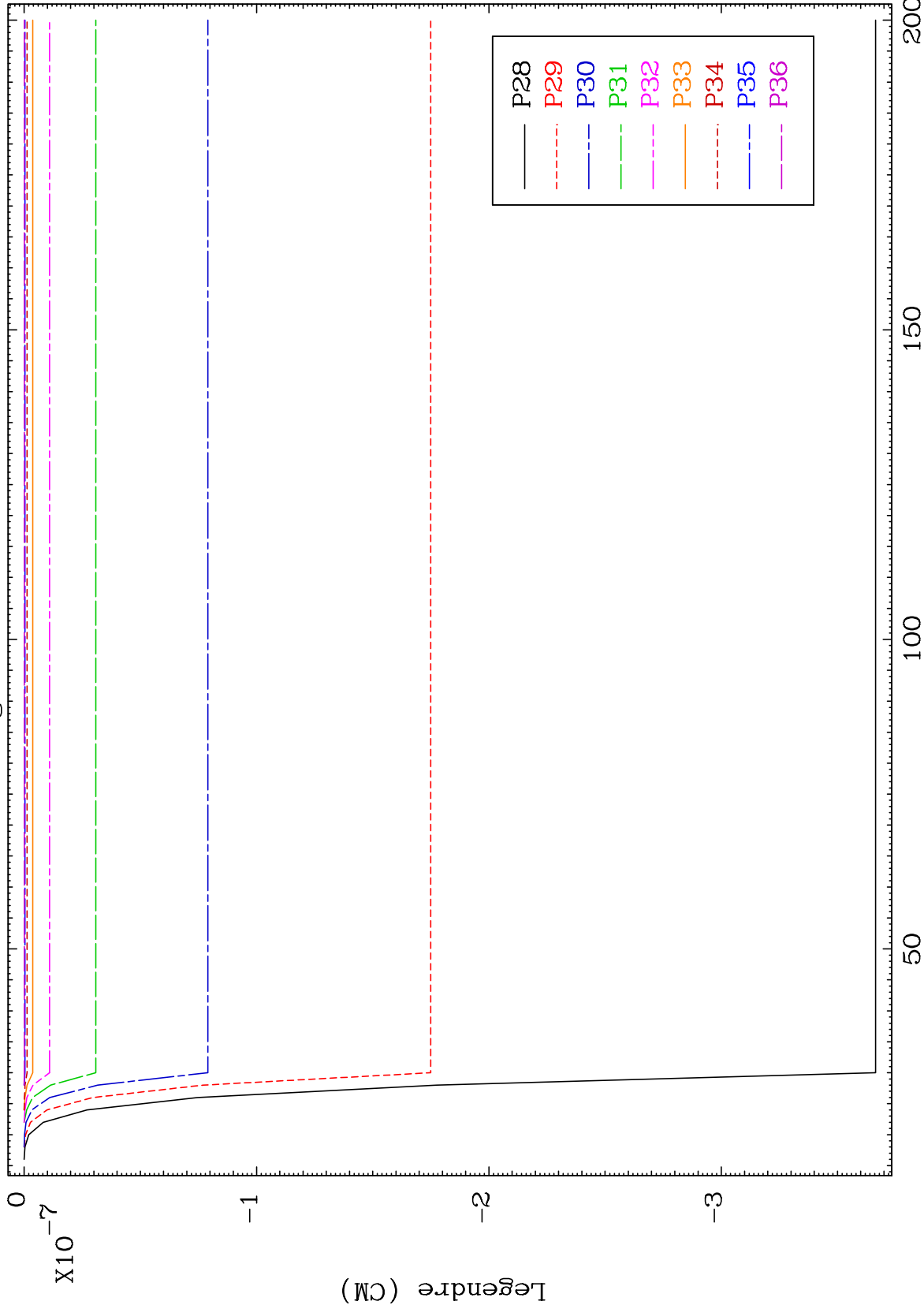
86

68-Er-158

MAT 6813

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

68-Er-158



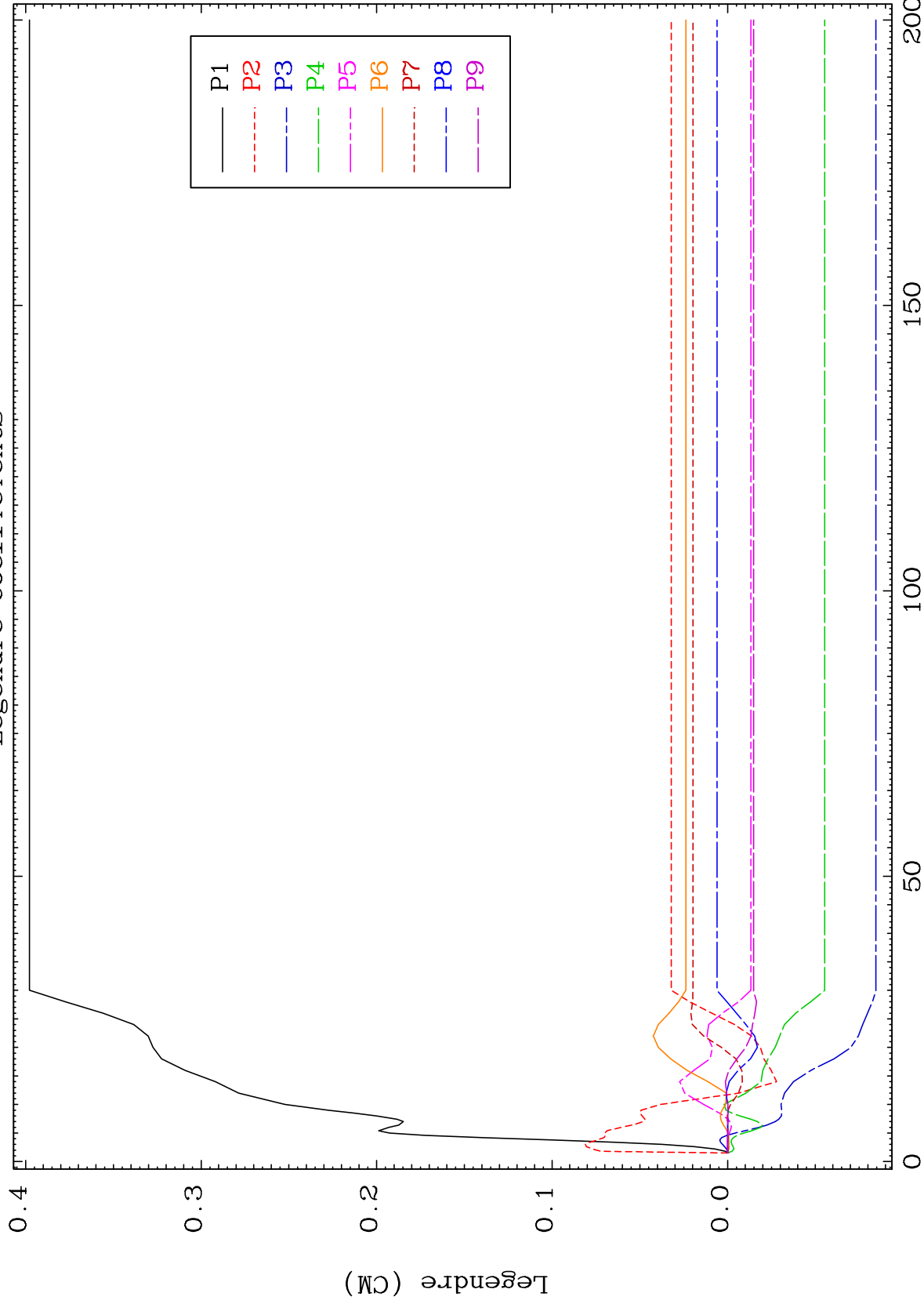
87

68-Er-158

MAT 6813

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

68-Er-158



88

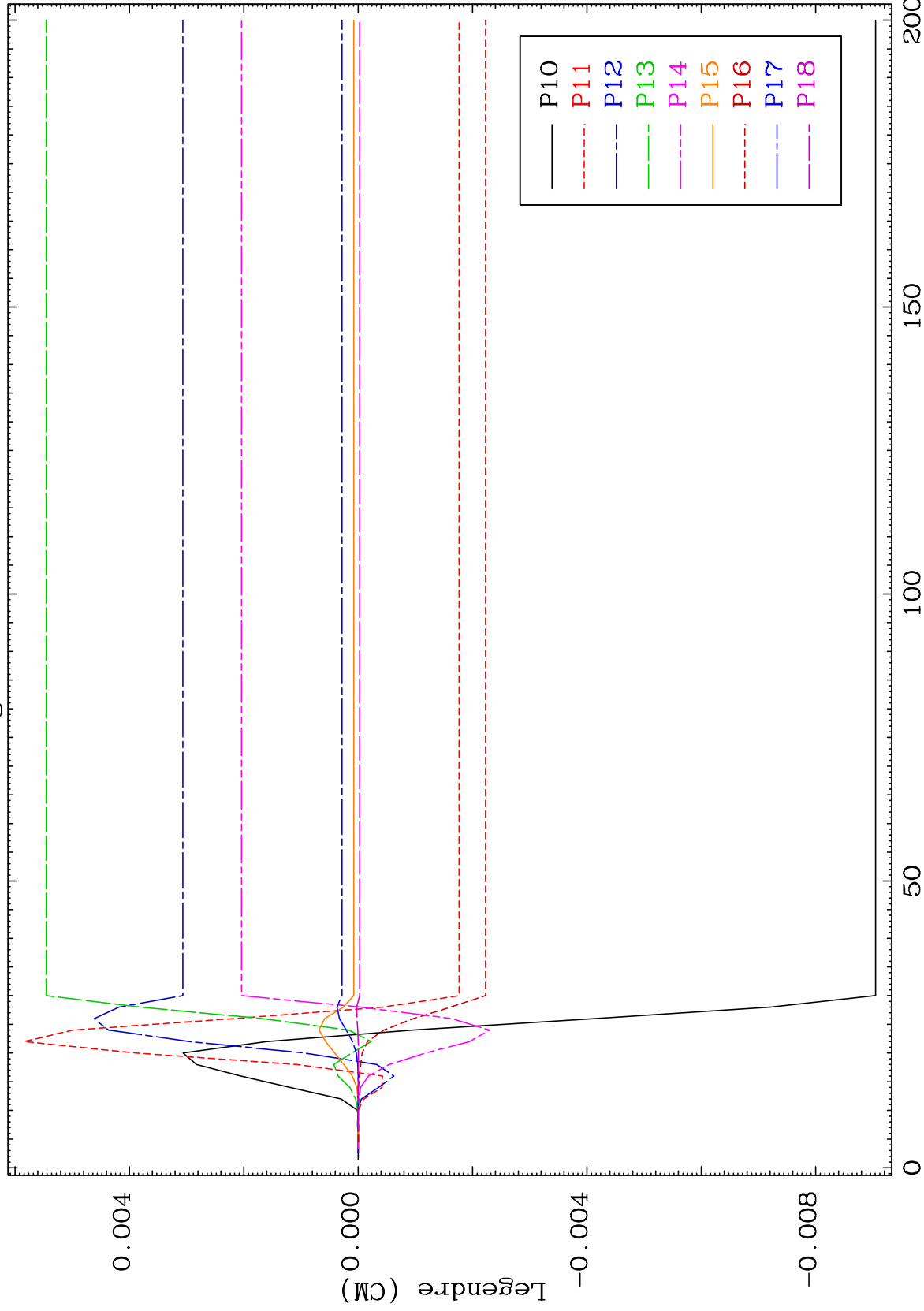
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



89

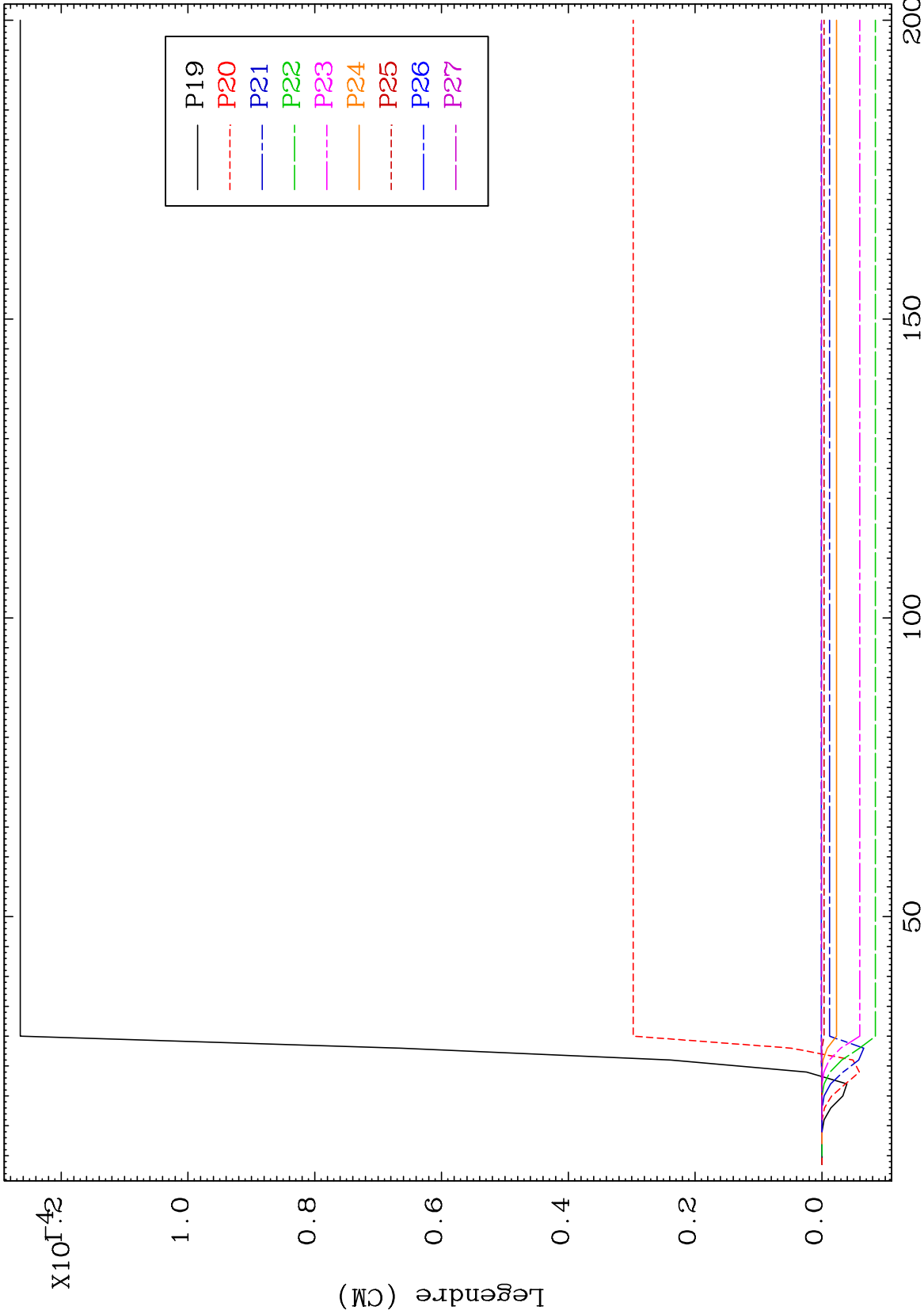
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



90

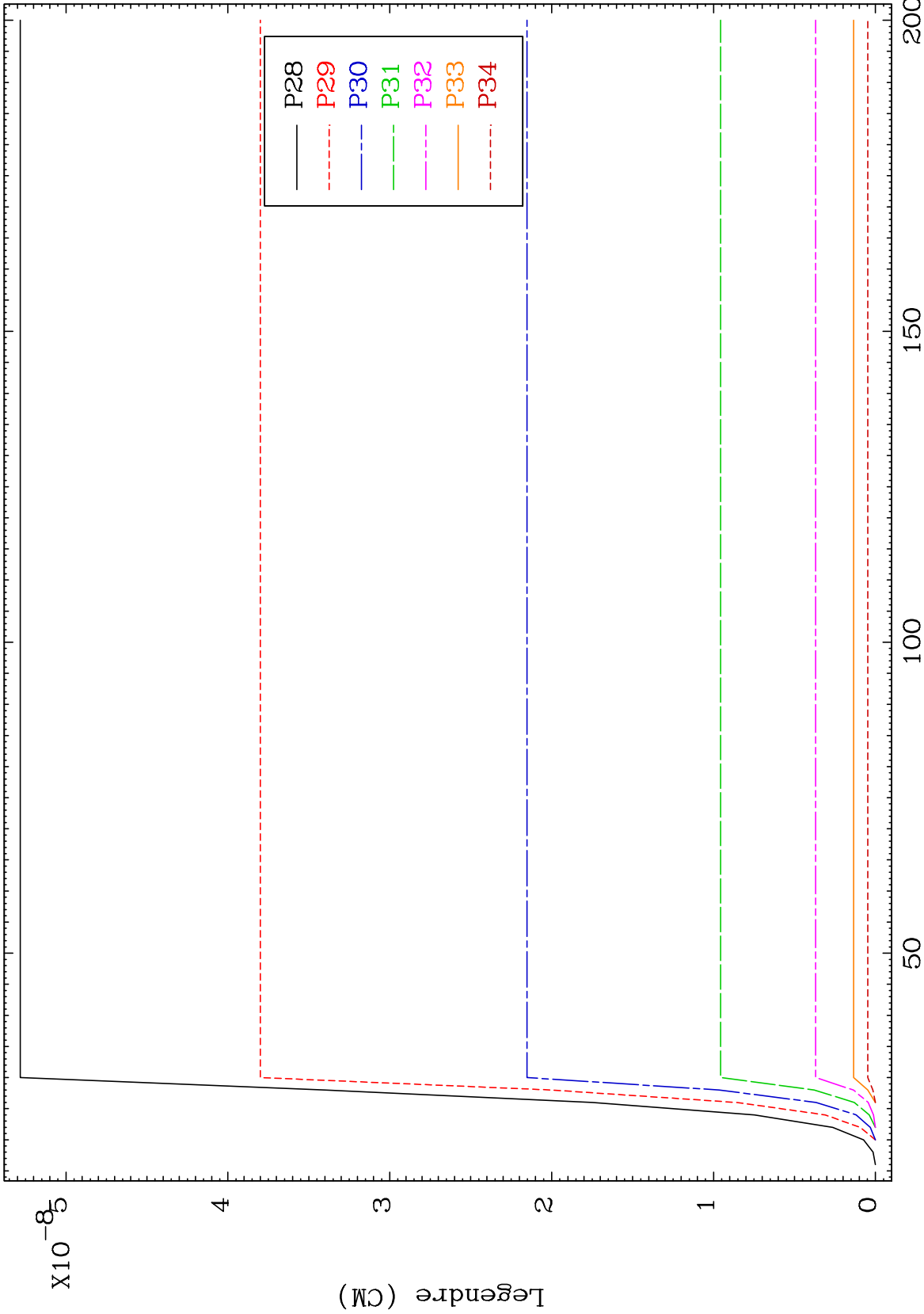
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



91

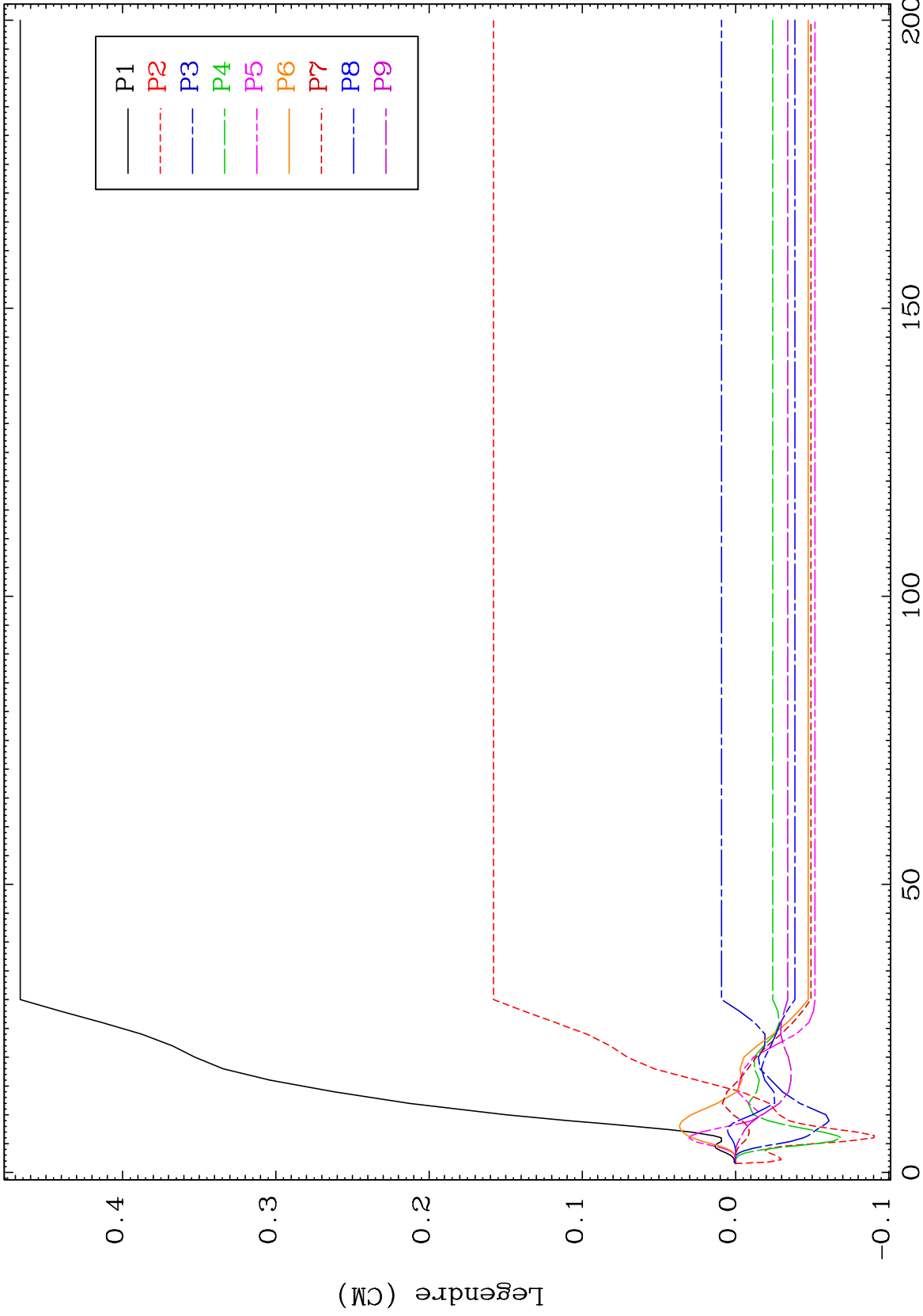
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



92

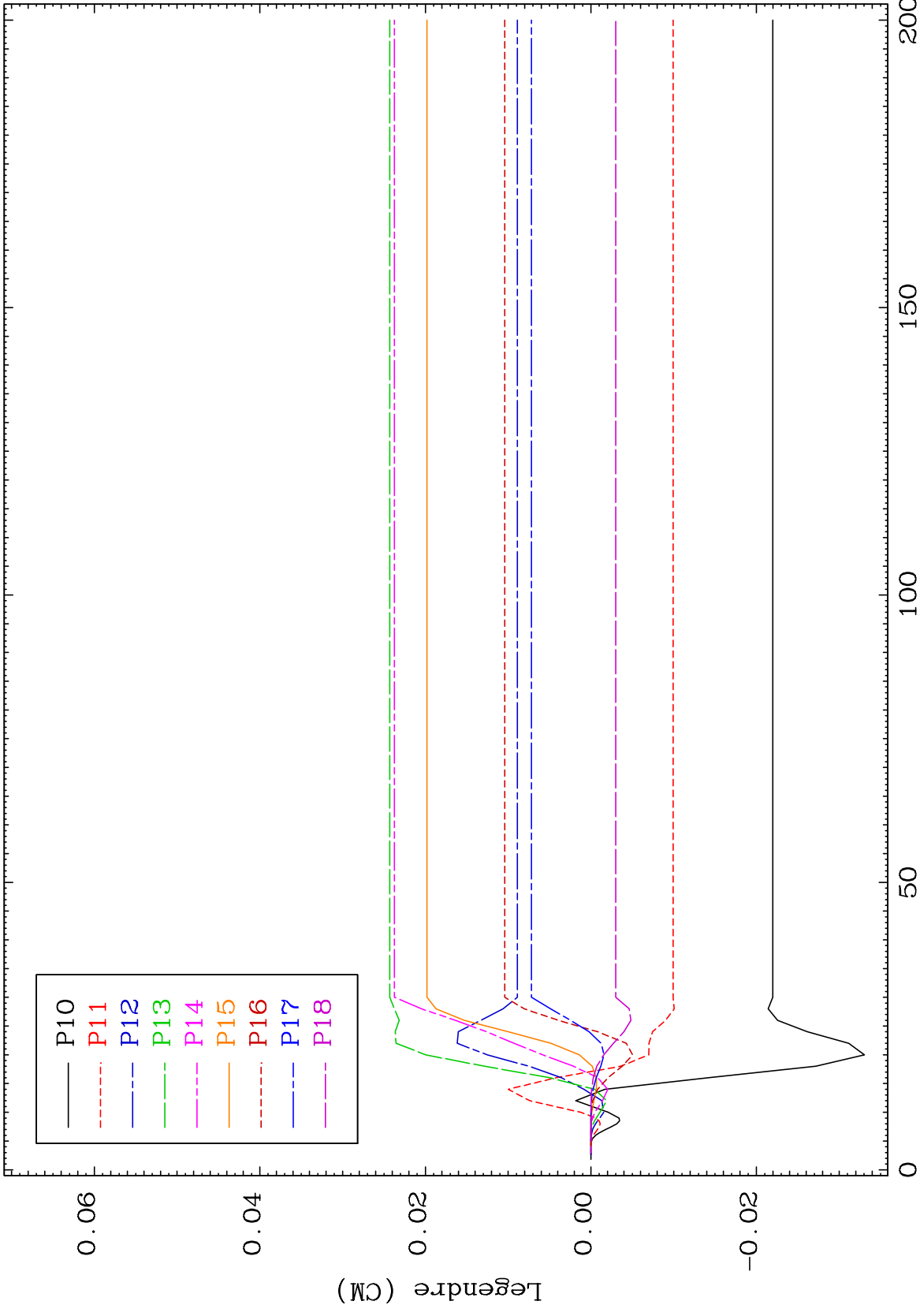
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



93

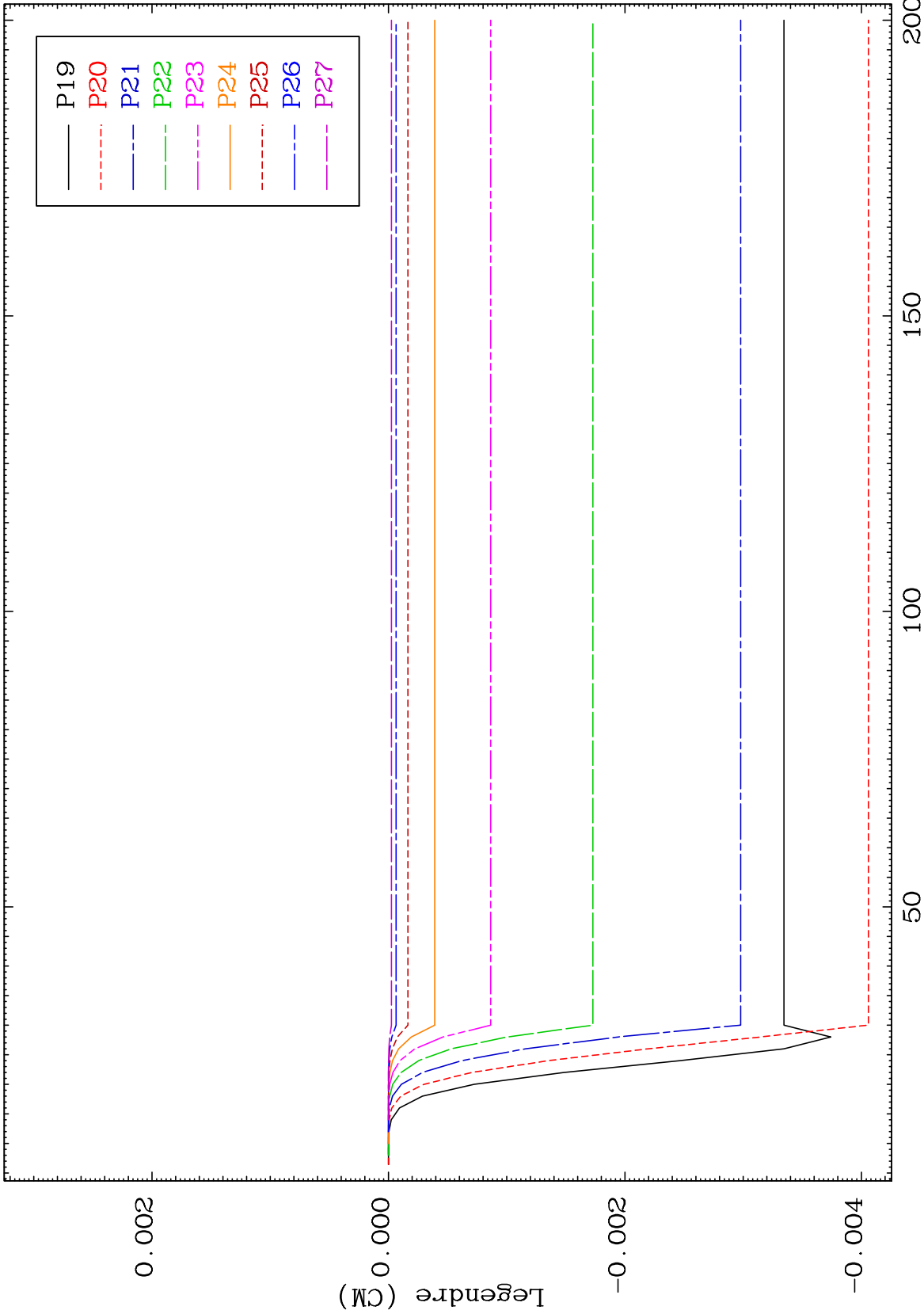
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



94

Incident Energy (MeV)

68-Er-158

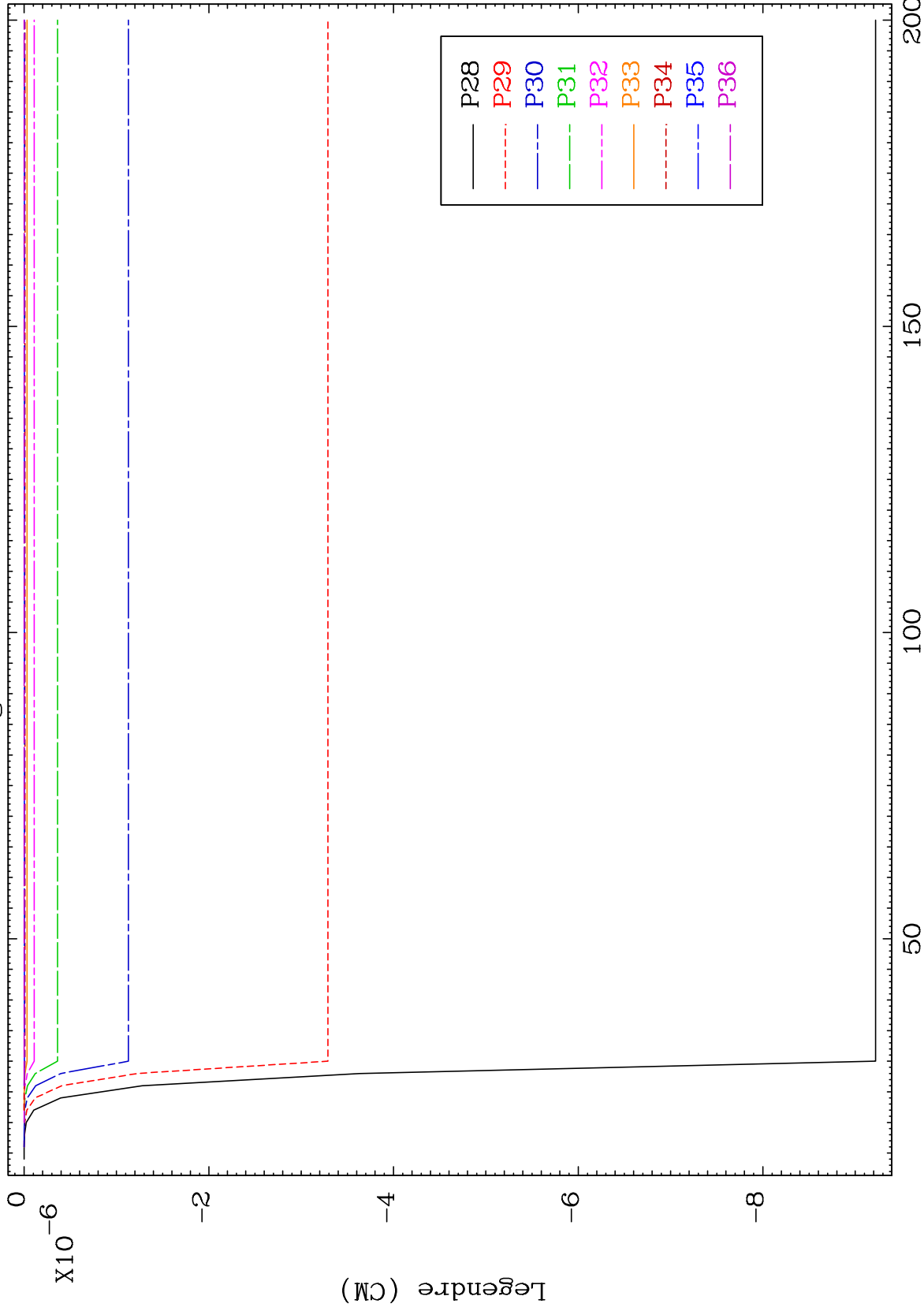
MAT 6813

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

68-Er-158

Incident Energy (MeV)

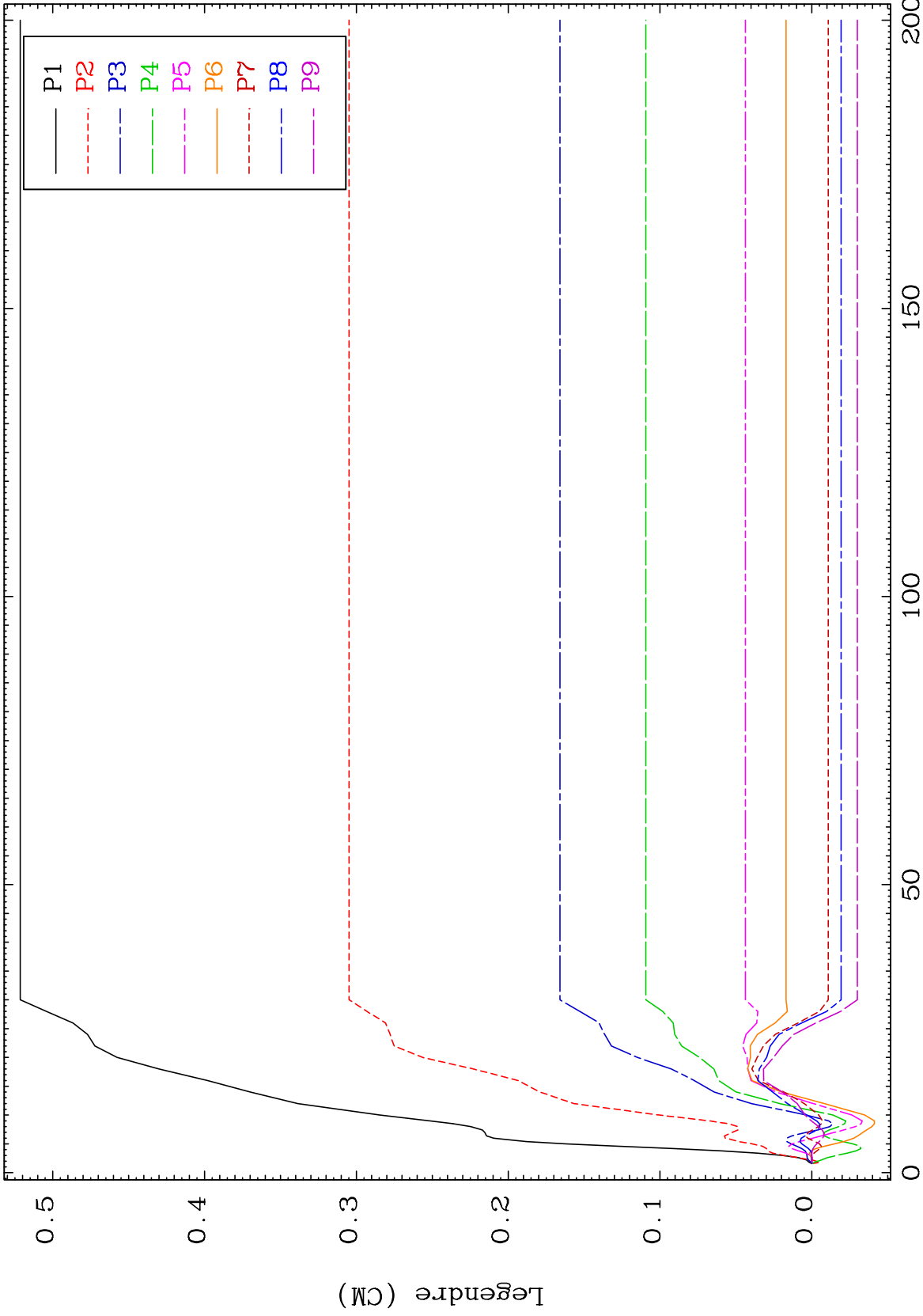
95



MAT 6813

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

68-Er-158



96

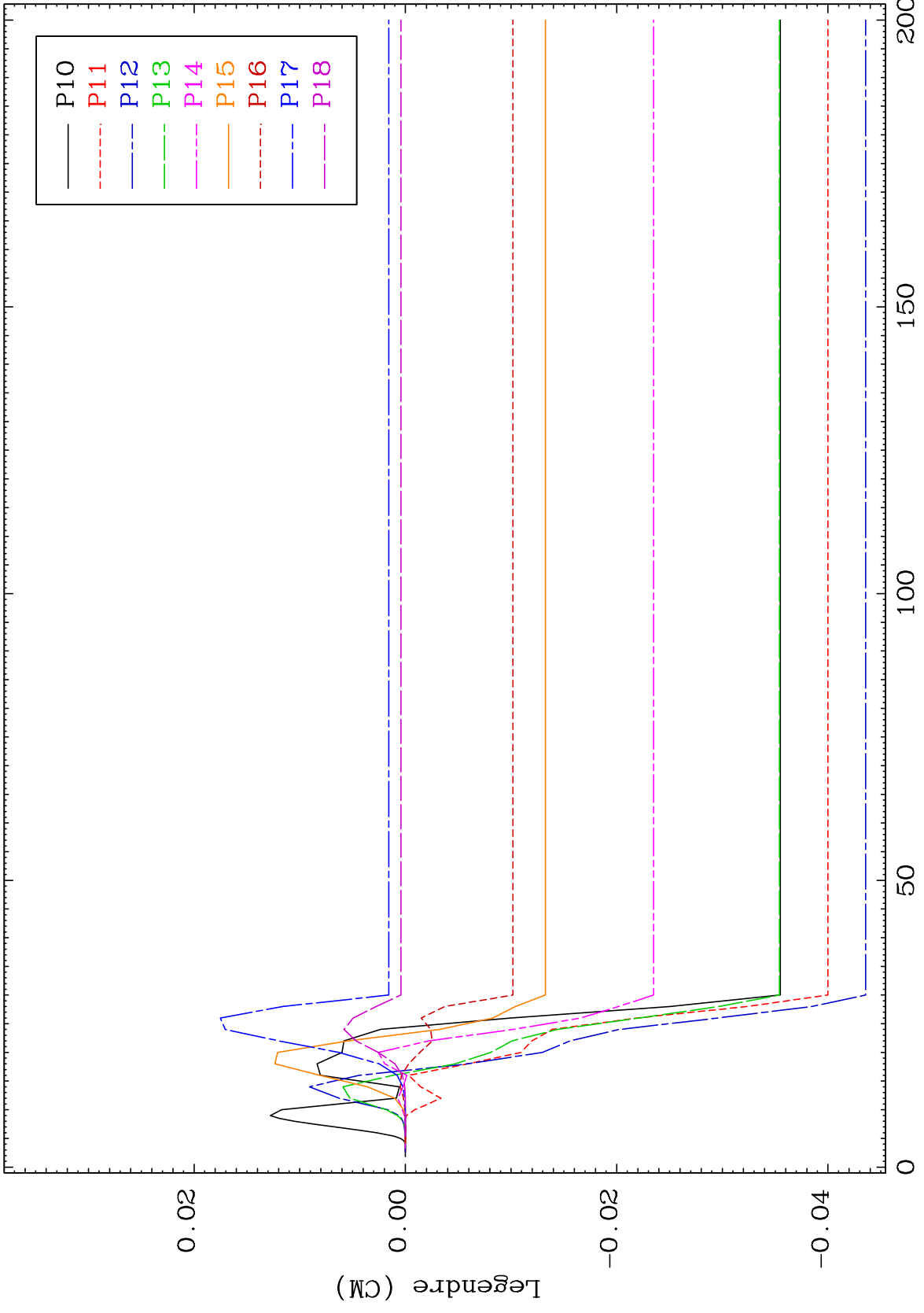
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



97

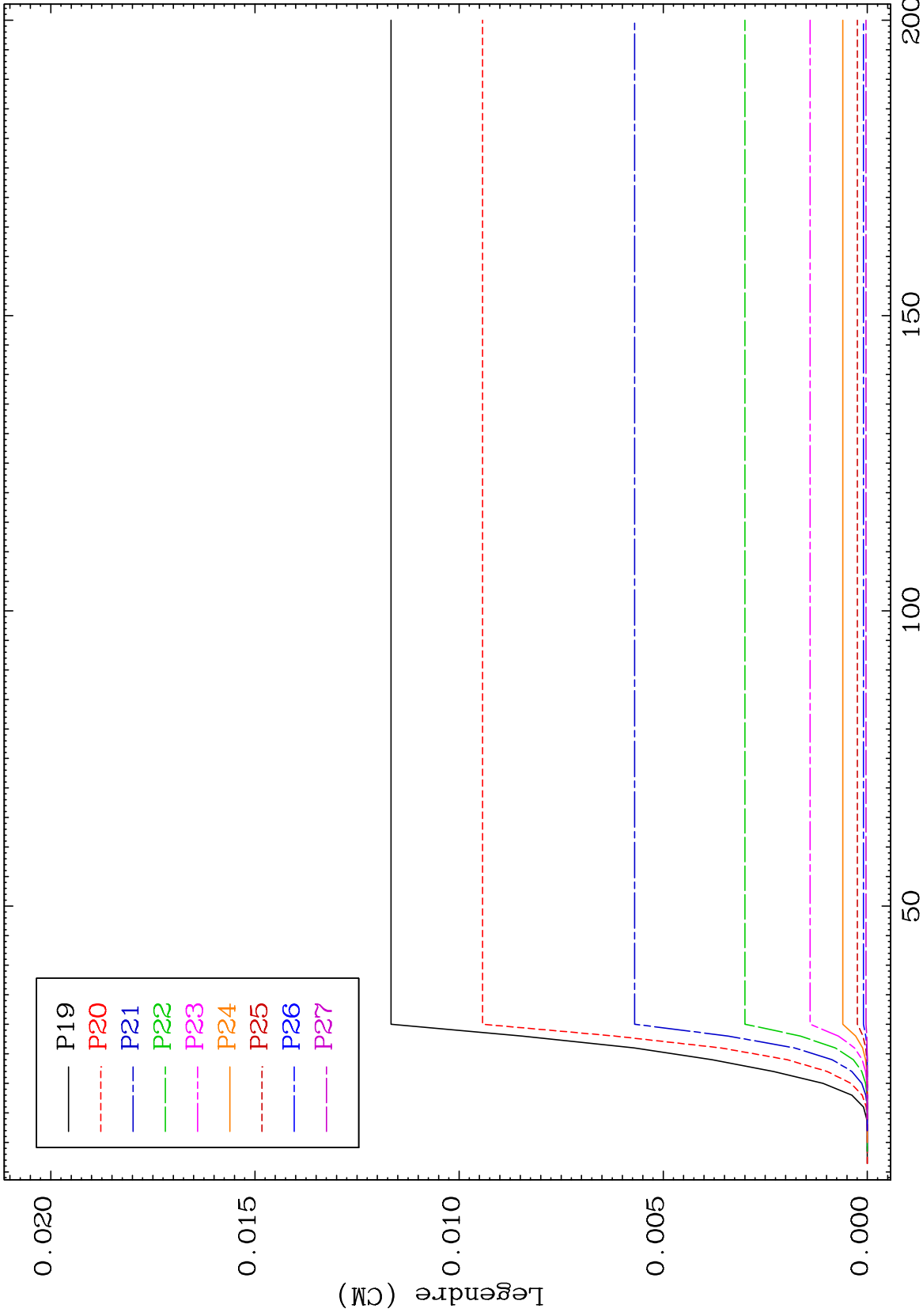
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



98

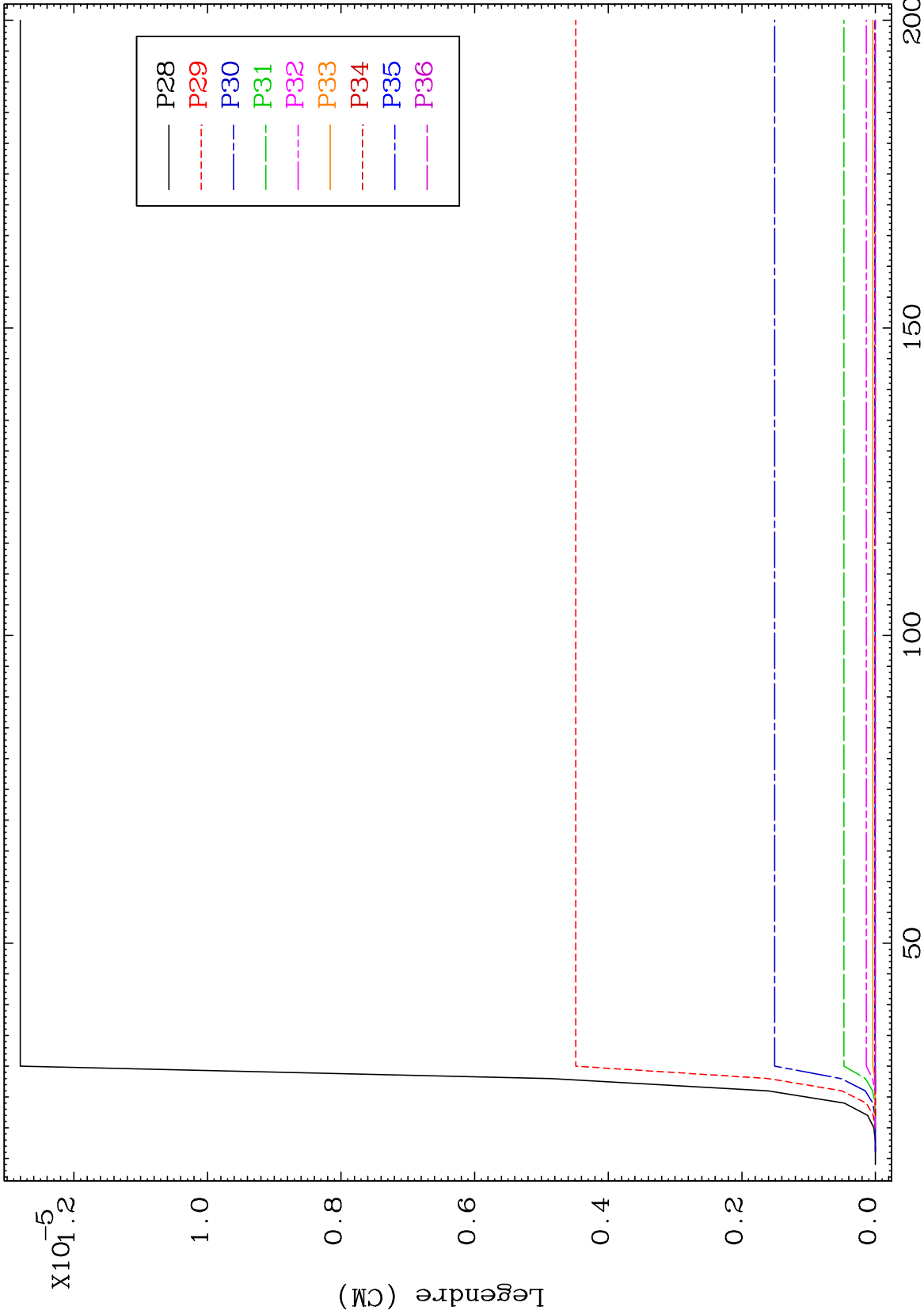
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



99

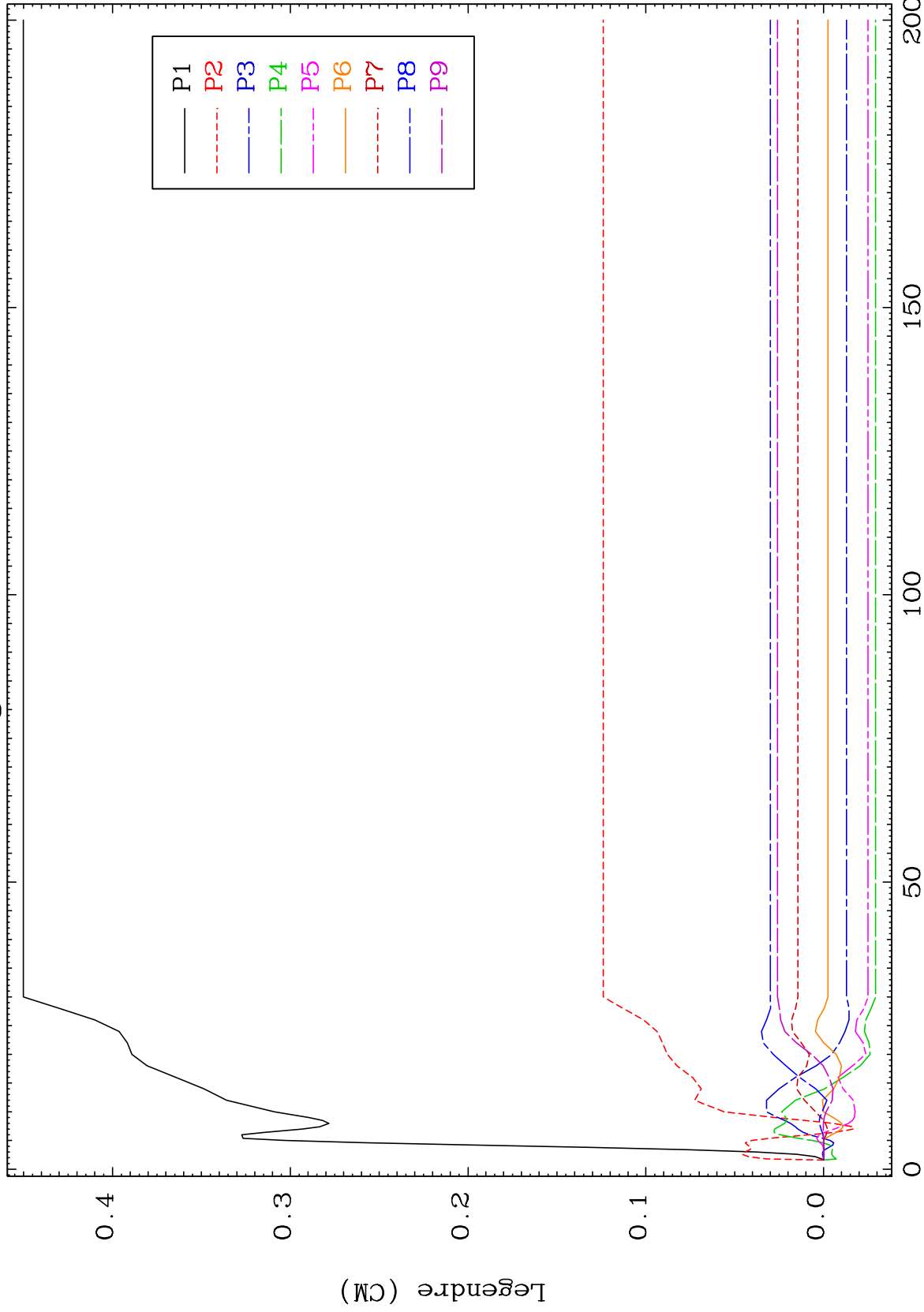
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



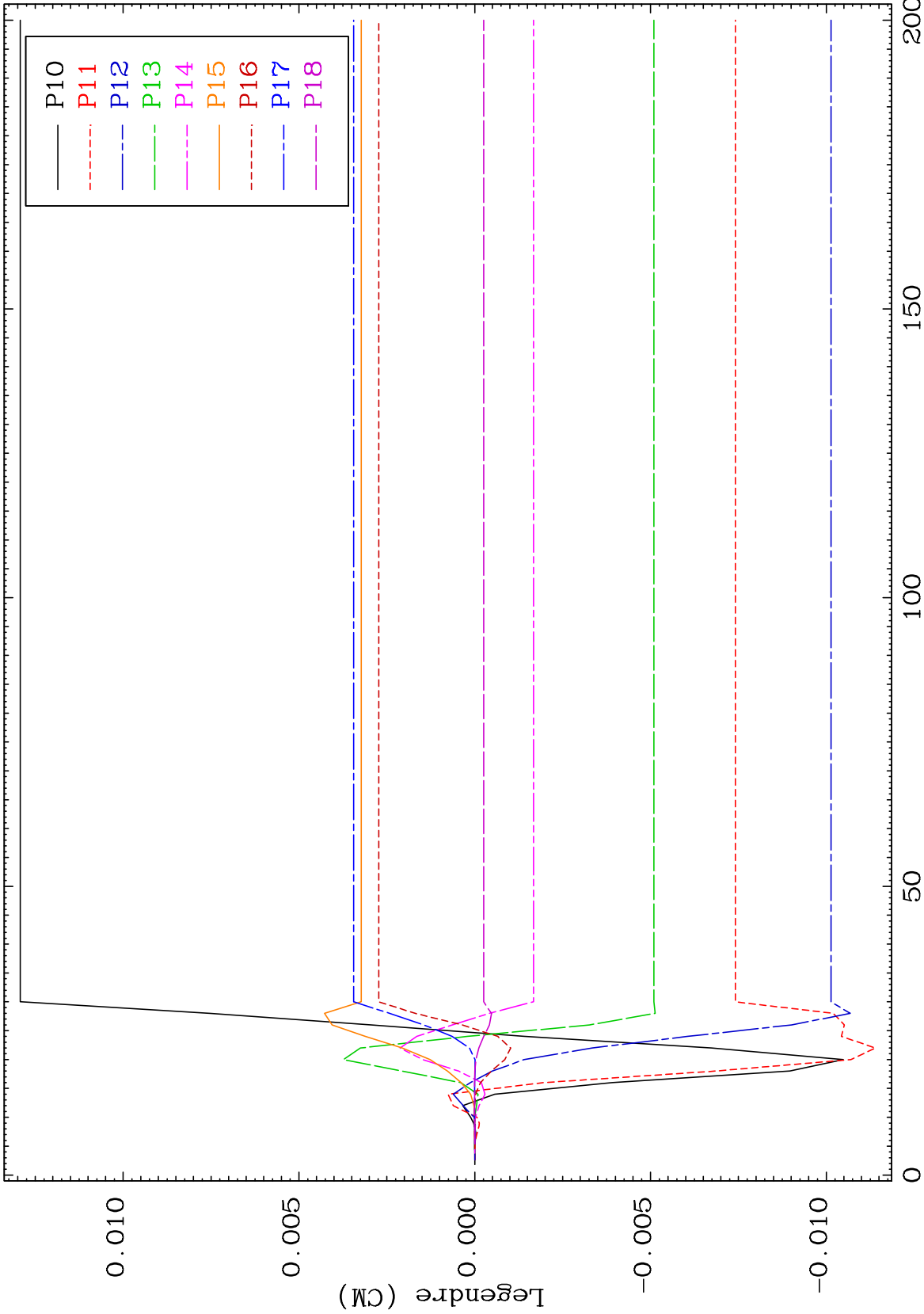
68-Er-158

Incident Energy (MeV)

MAT 6813

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

68-Er-158



101

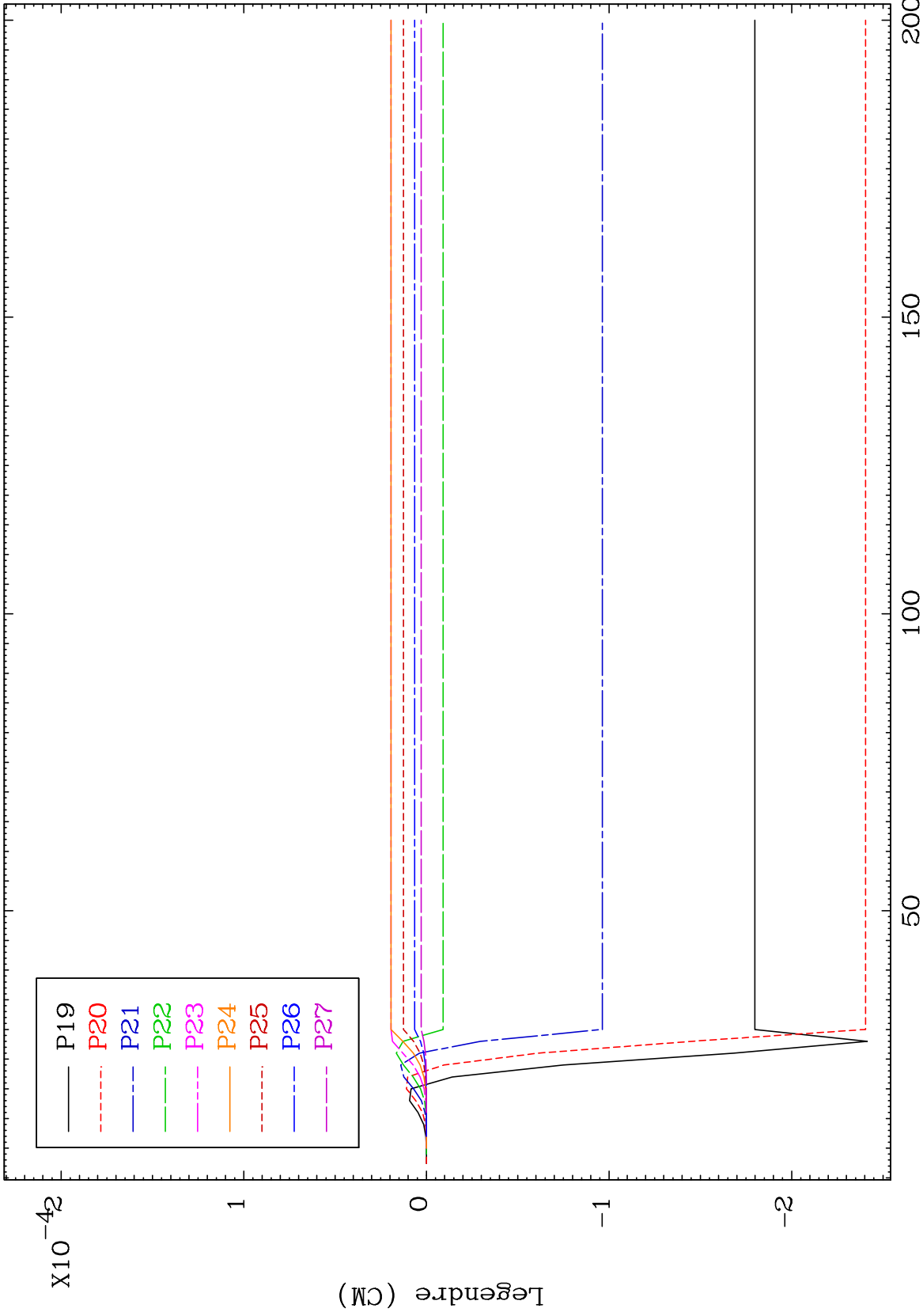
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



102

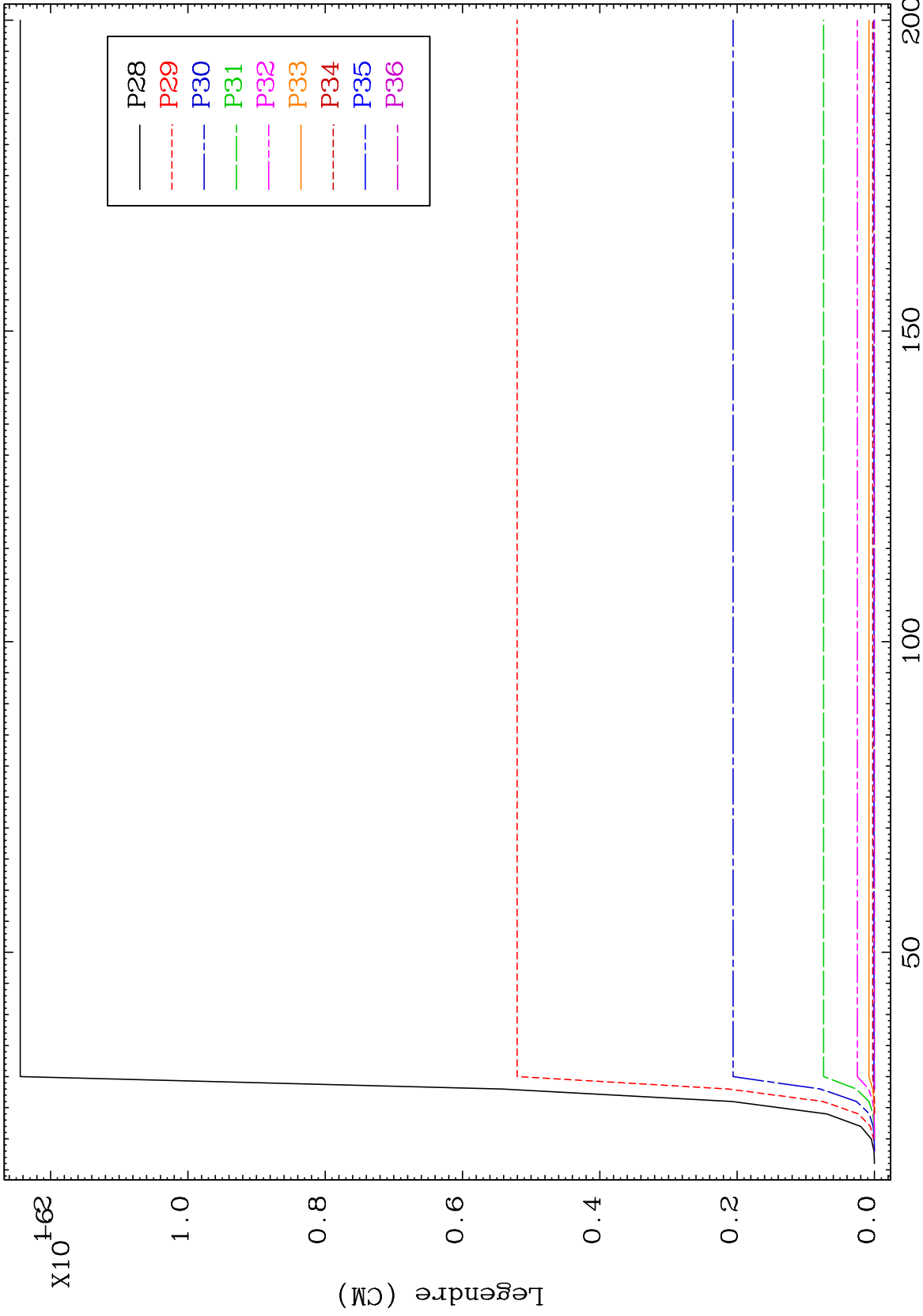
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158

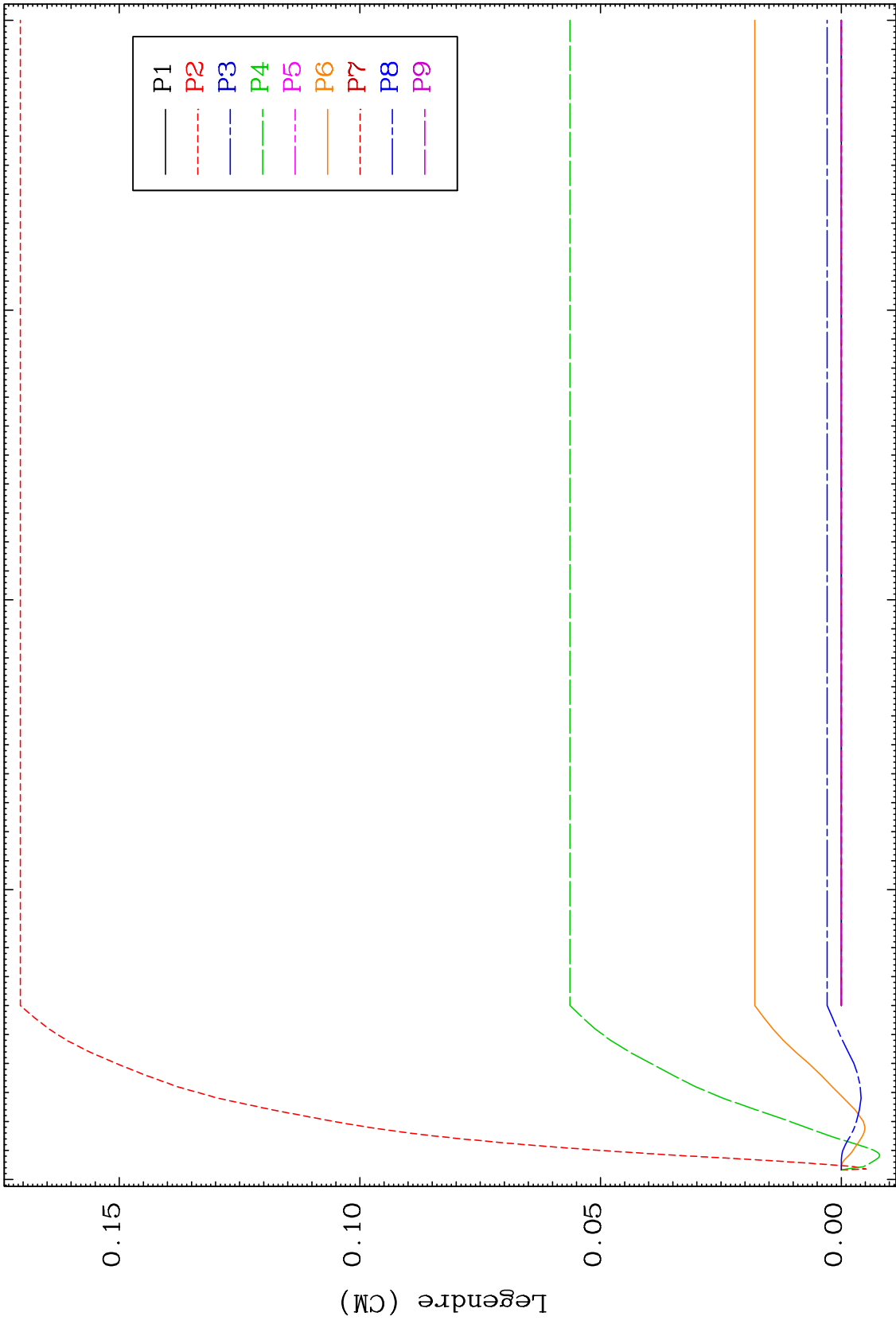


103

Incident Energy (MeV)

68-Er-158

MAT 6813 MT= 73 (n,n') Level Legendre Coefficients 68-Er-158

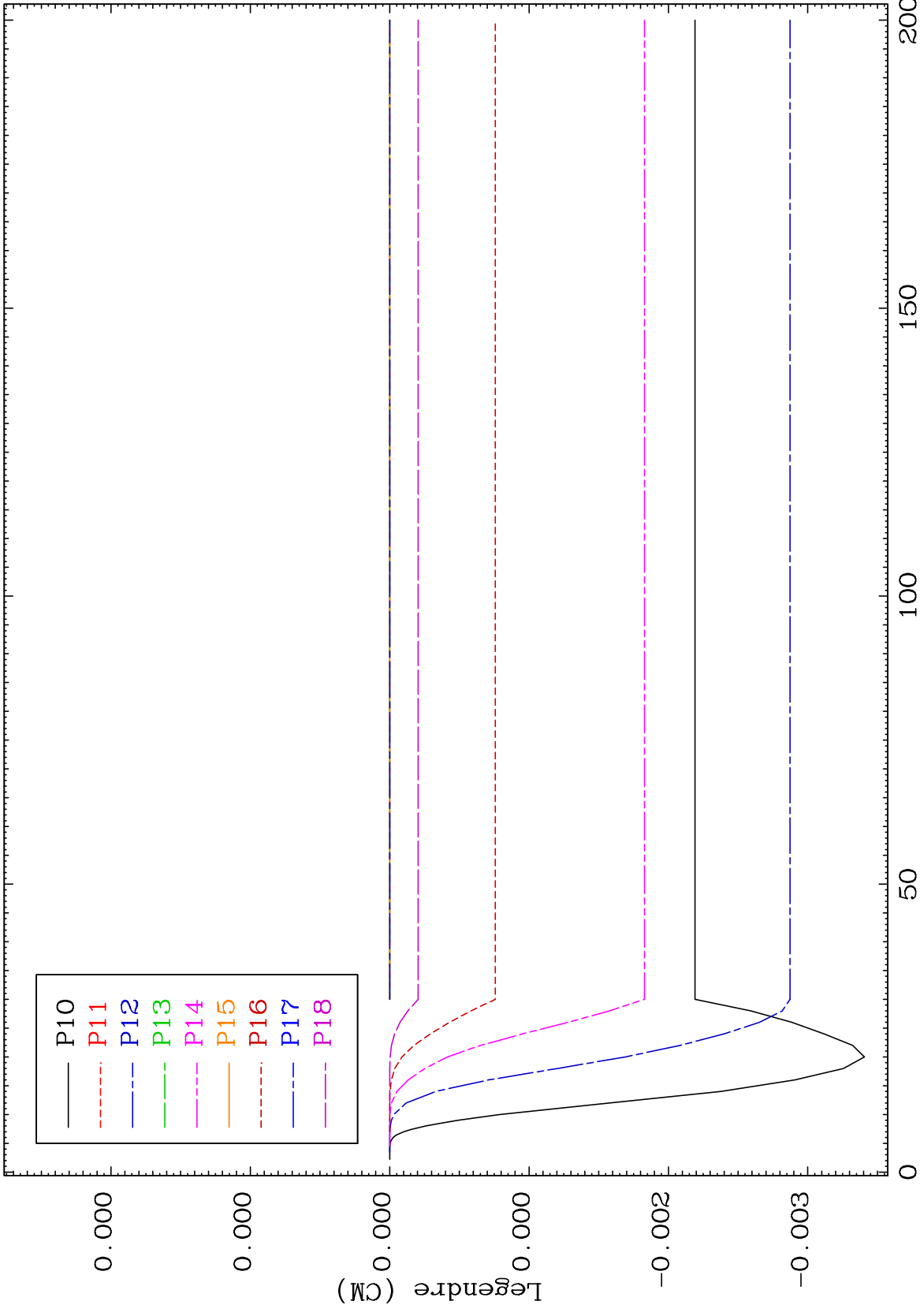


104 68-Er-158

MAT 6813

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

68-Er-158



105

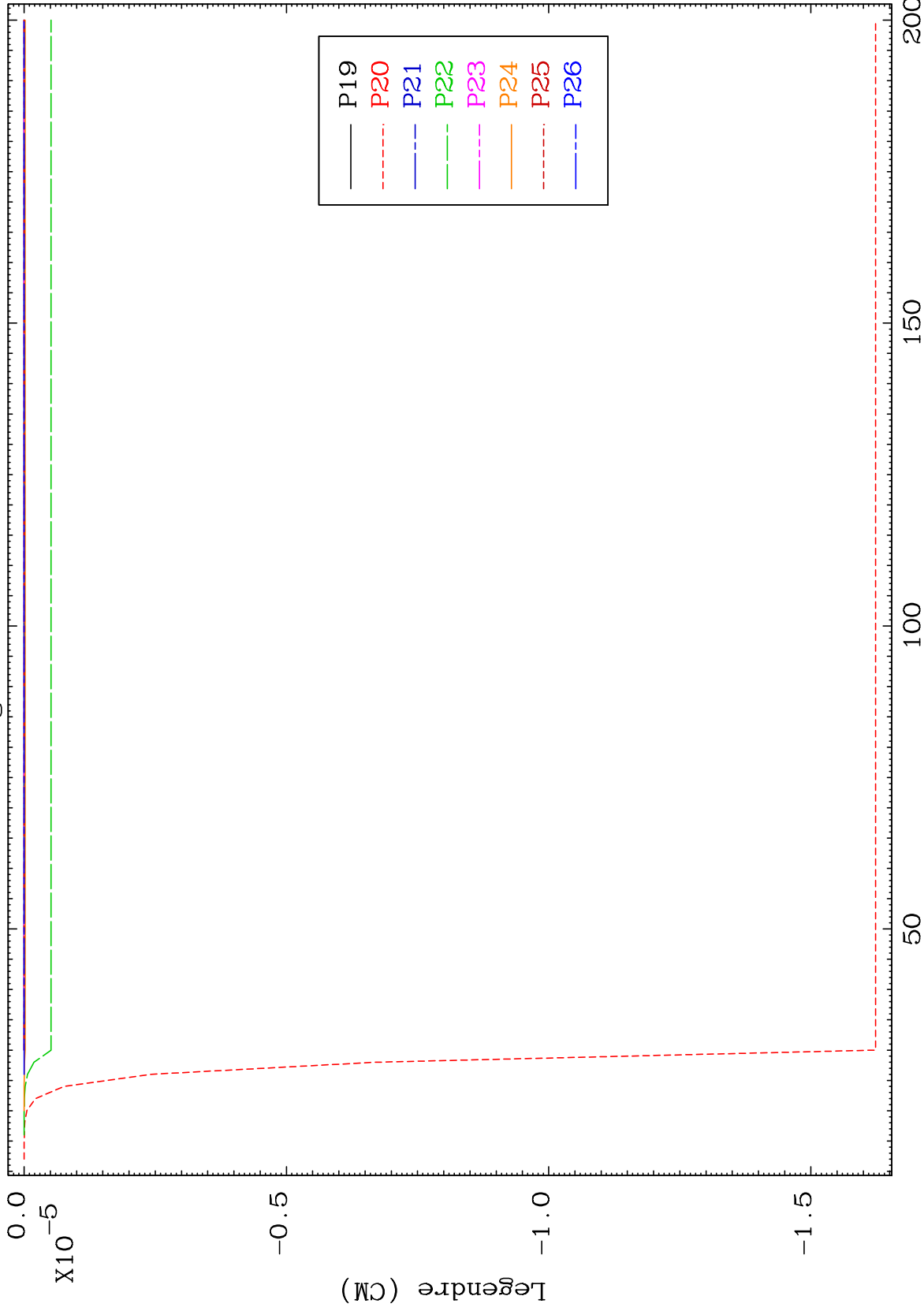
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



106

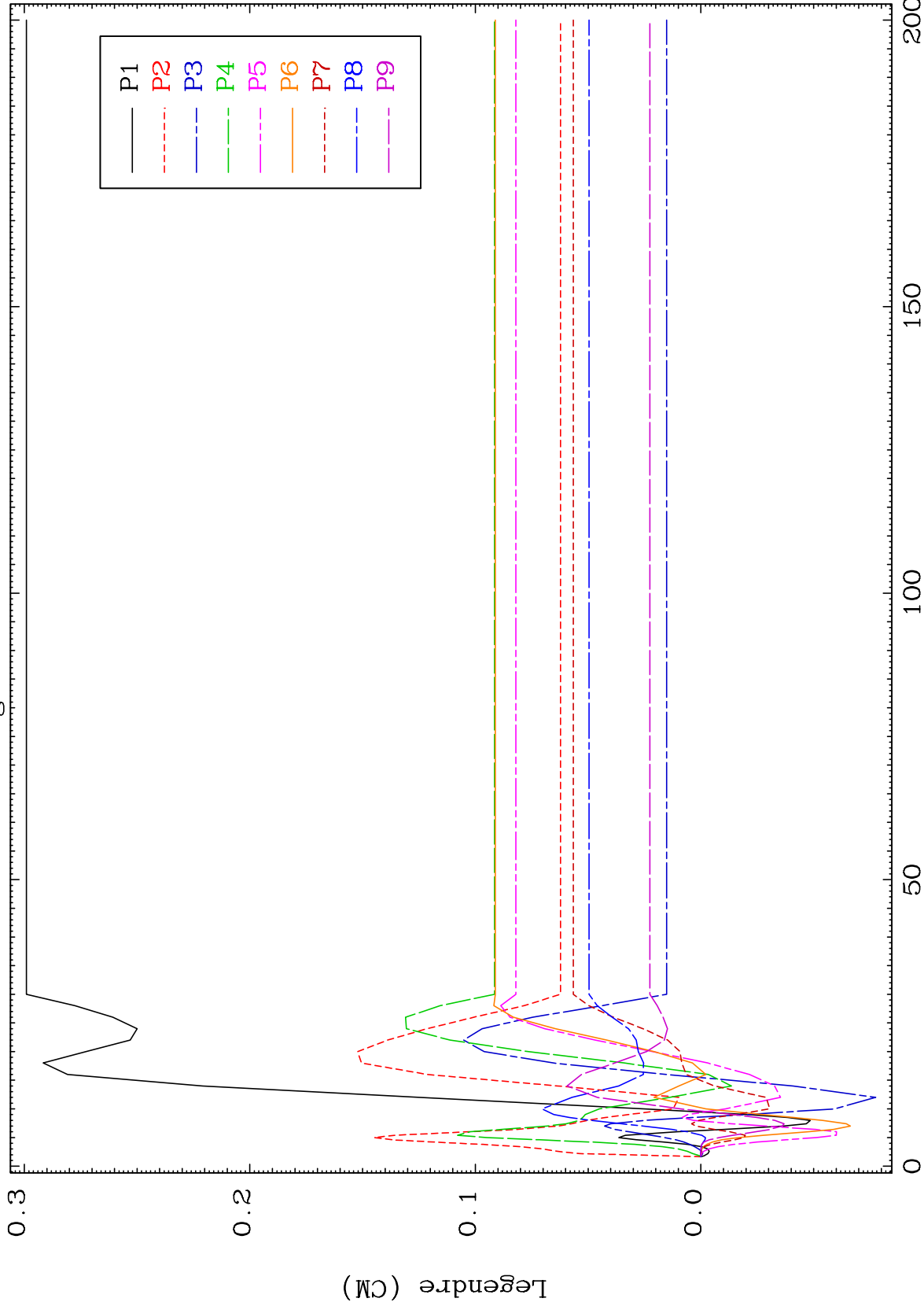
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



107

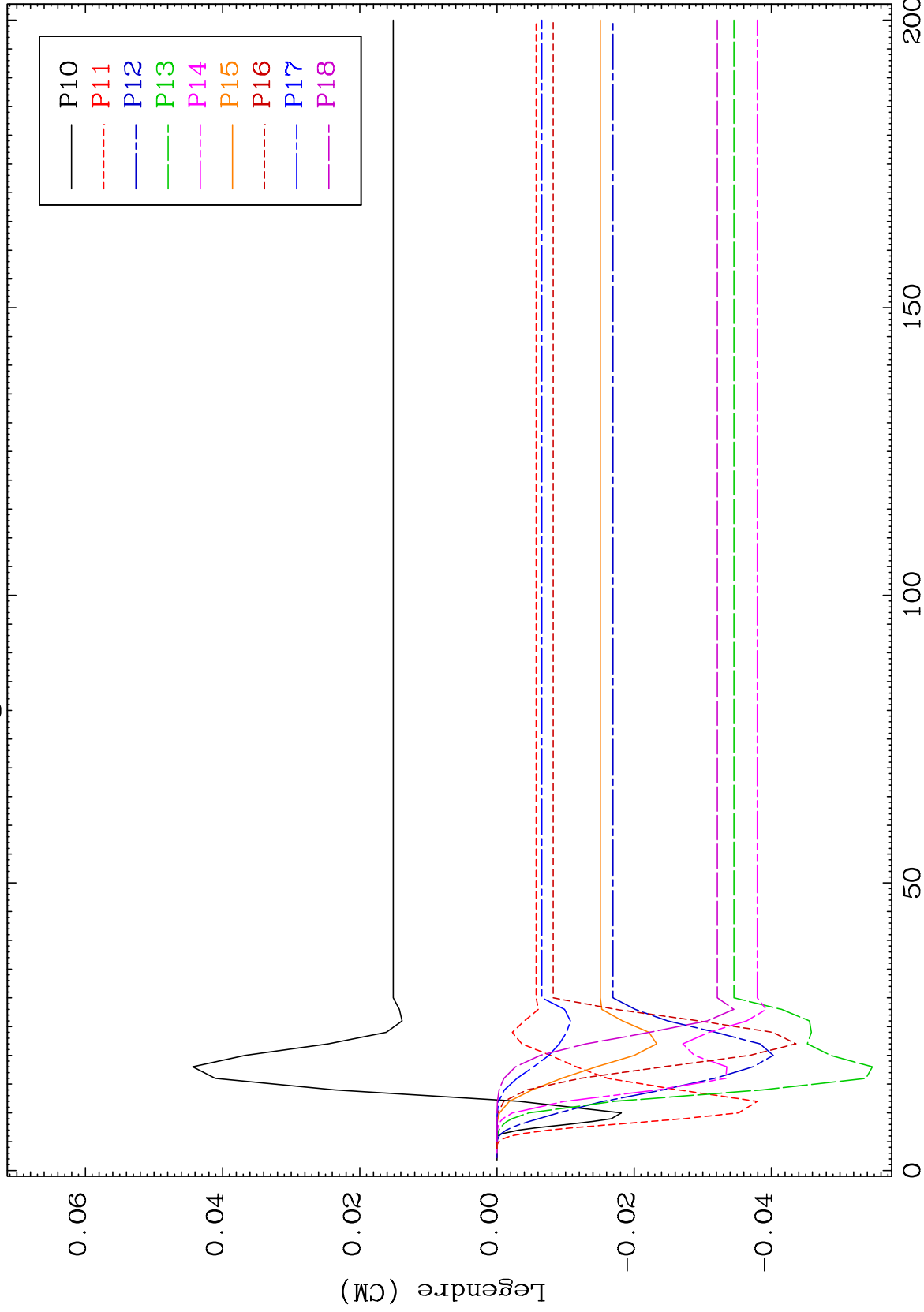
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



108

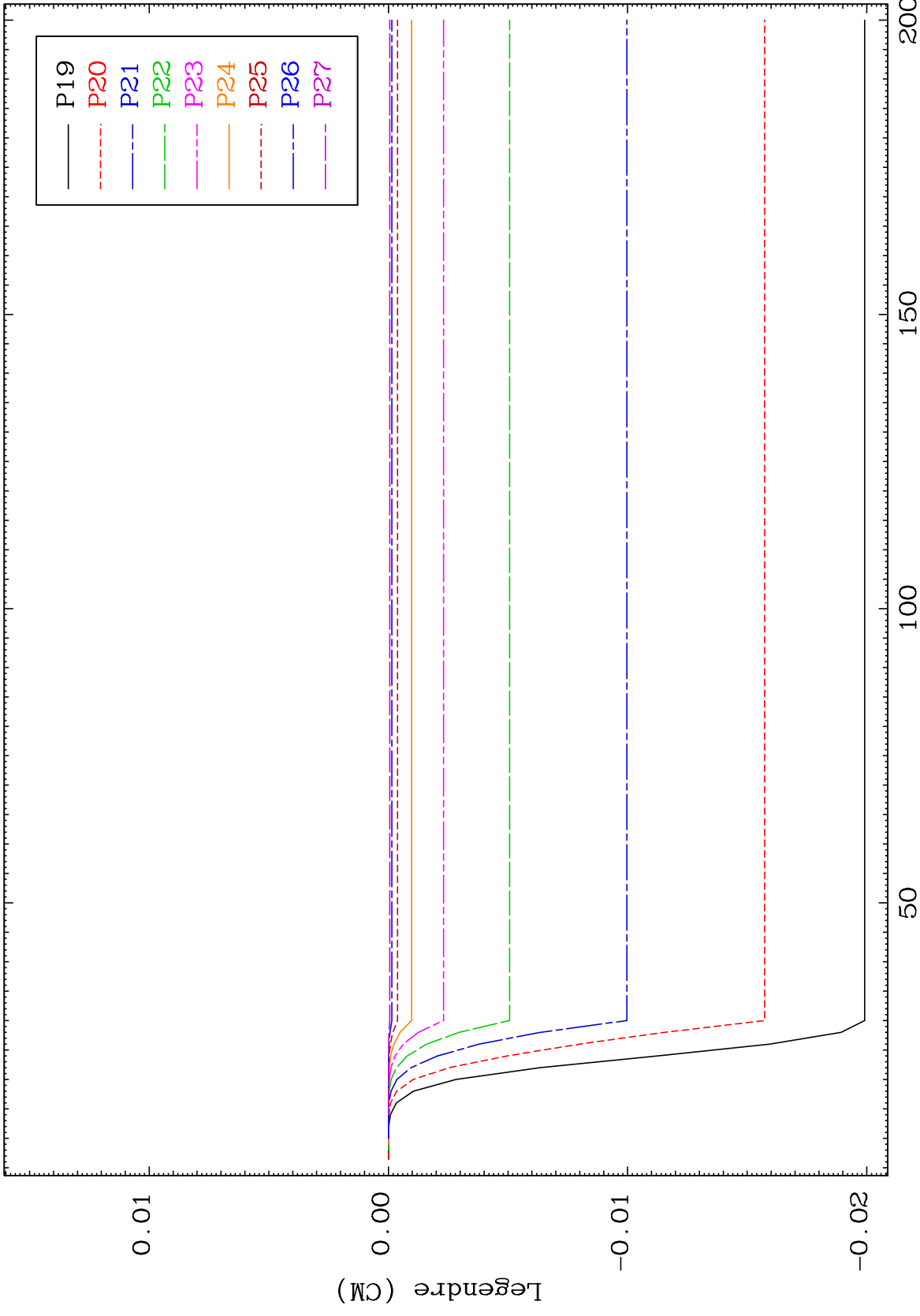
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



109

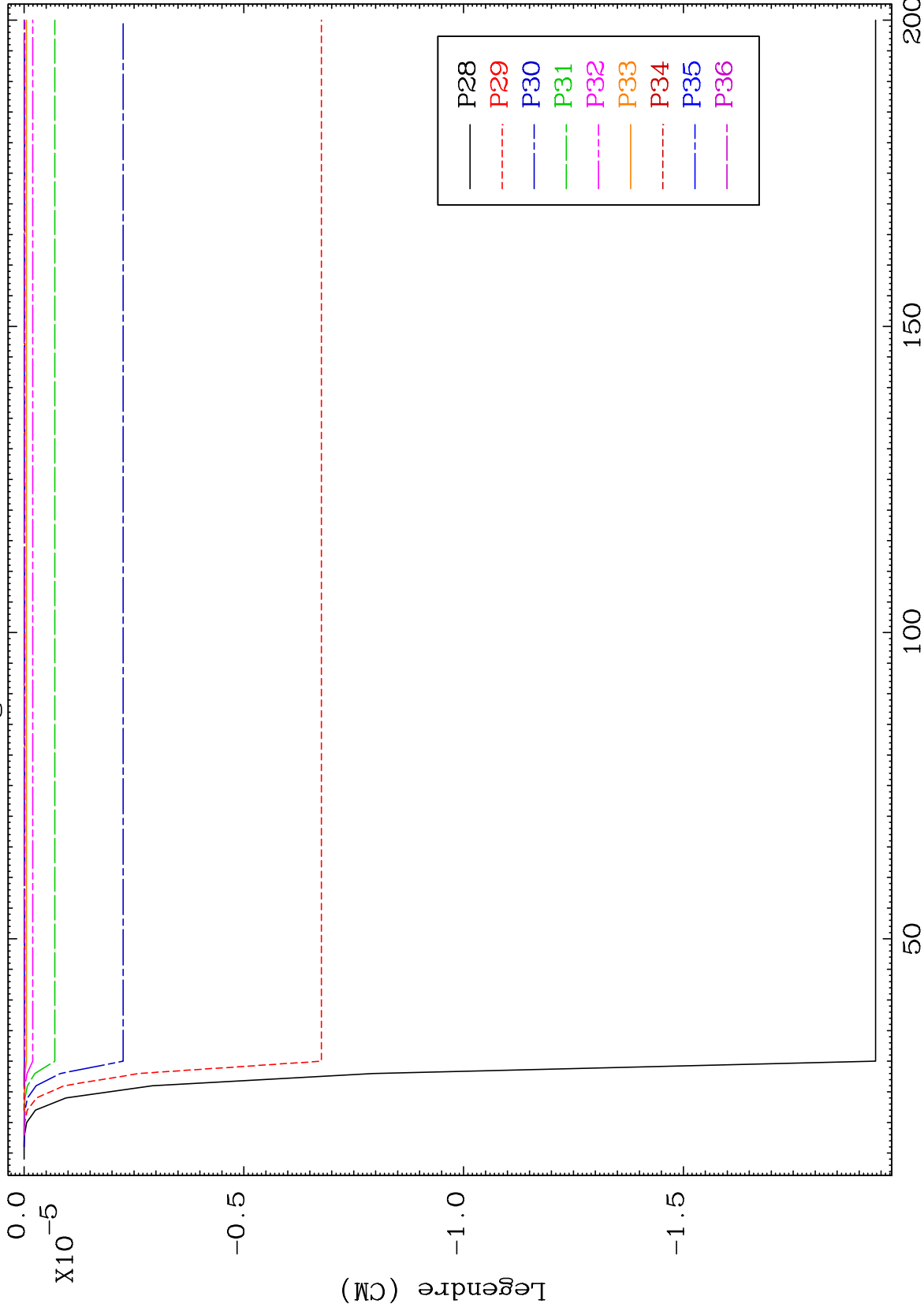
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



110

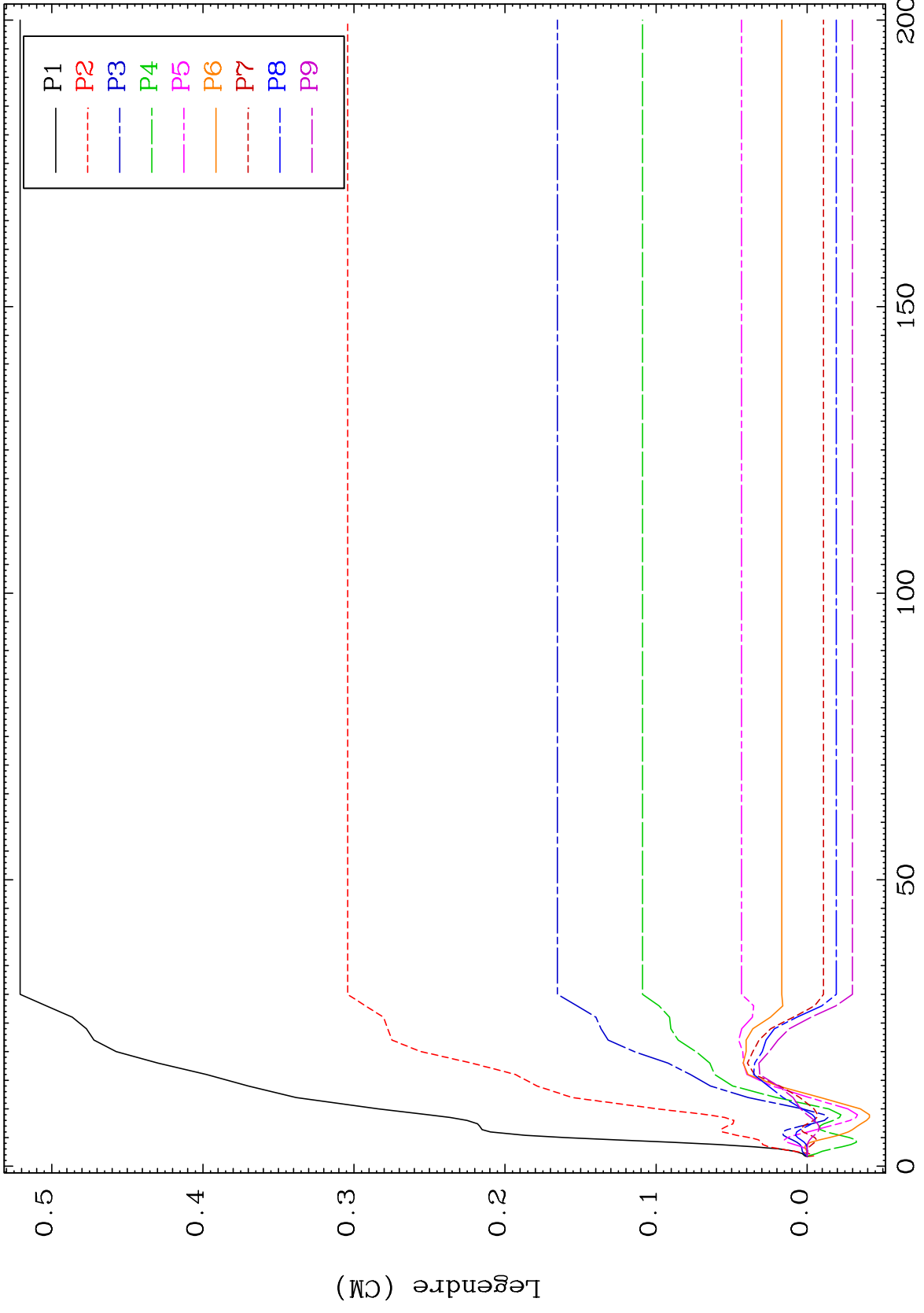
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



111

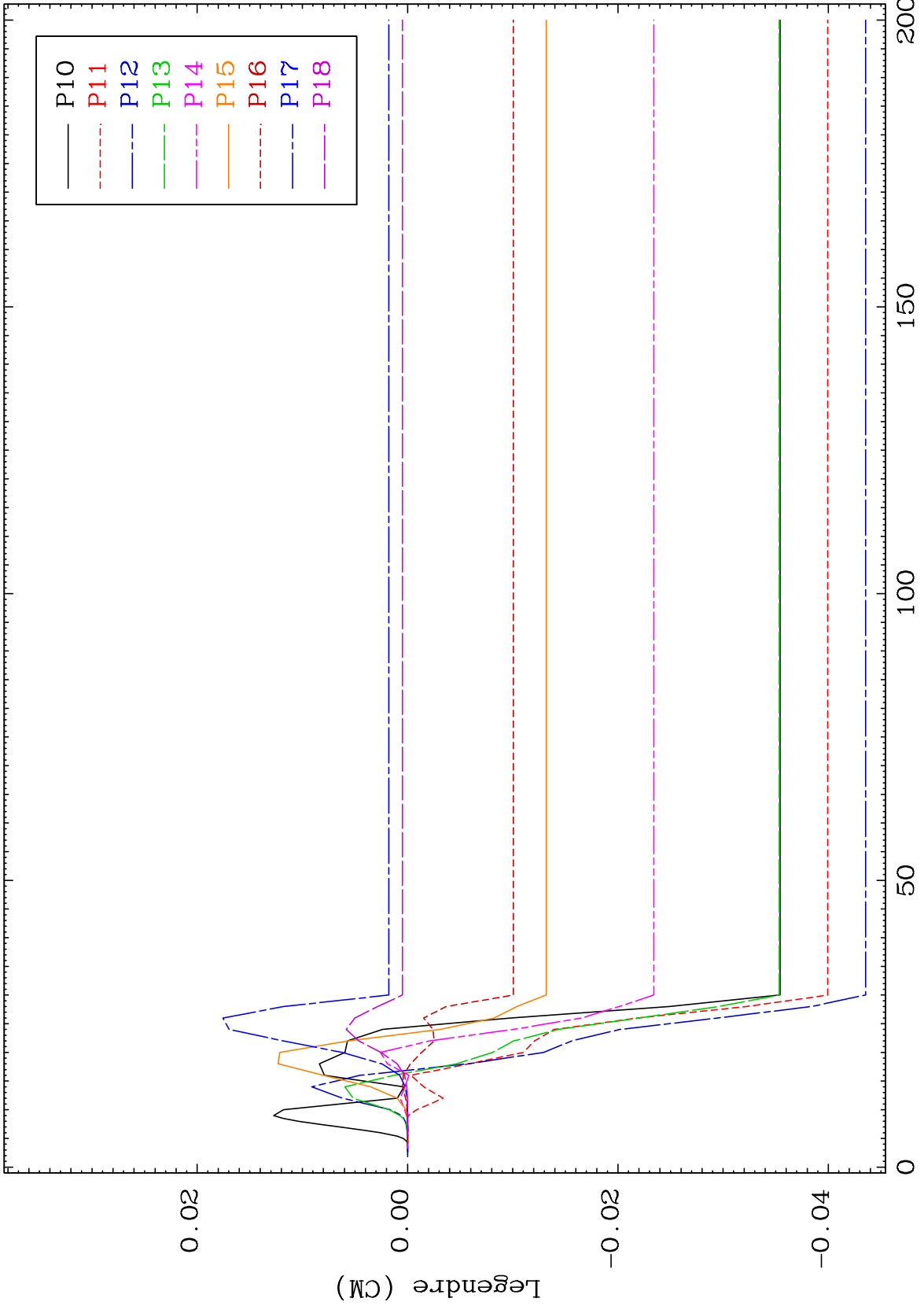
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



112

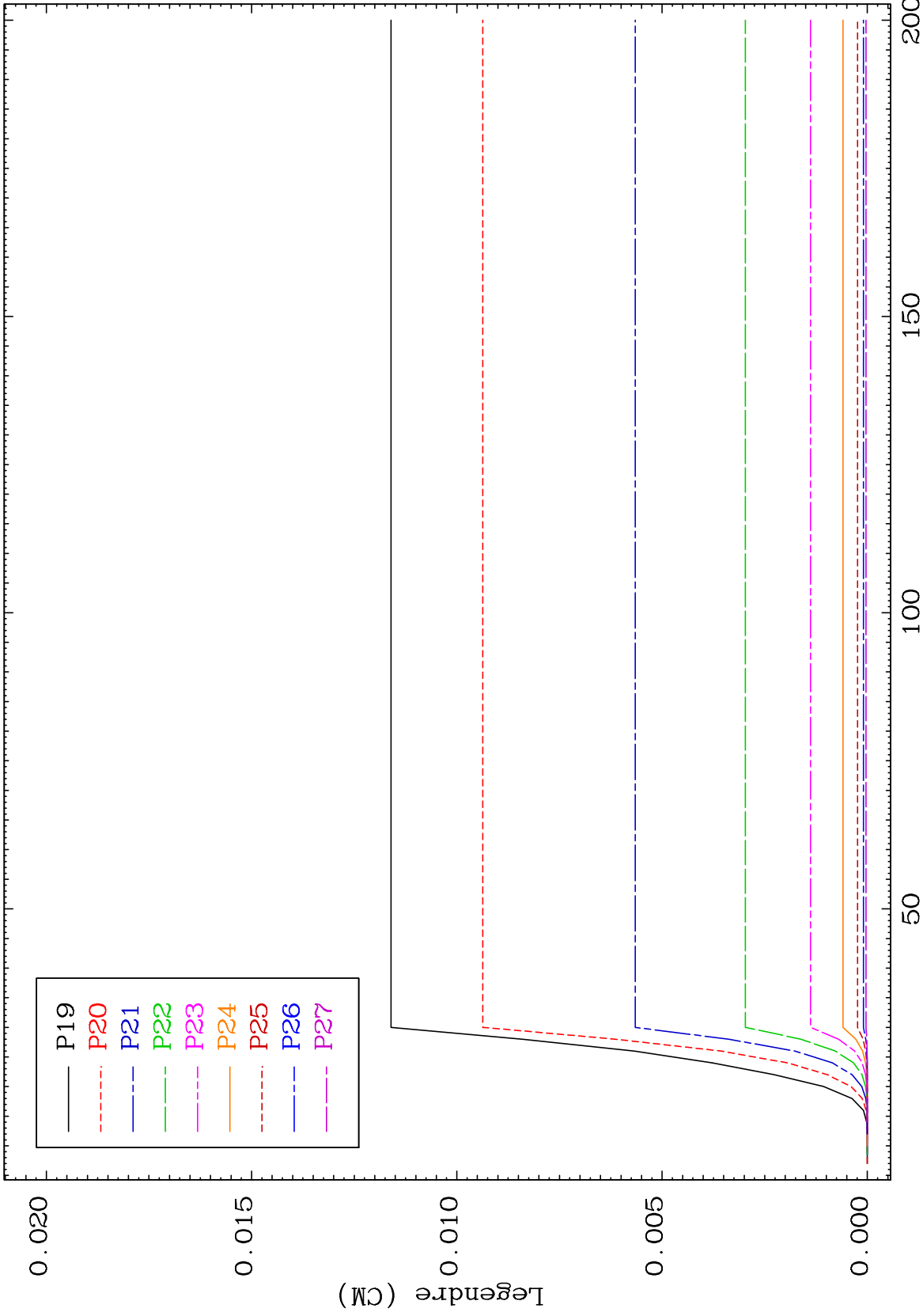
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



113

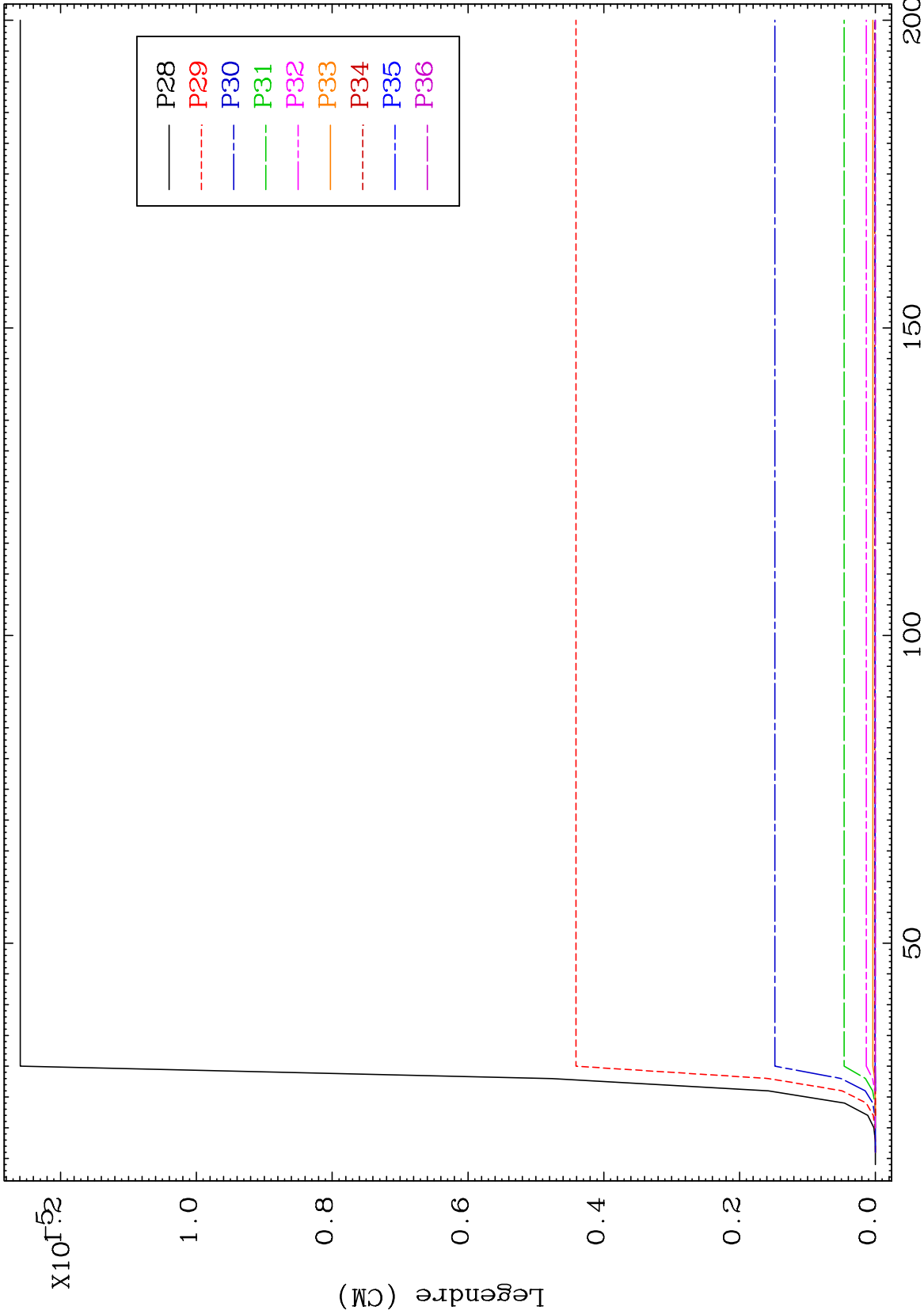
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



114

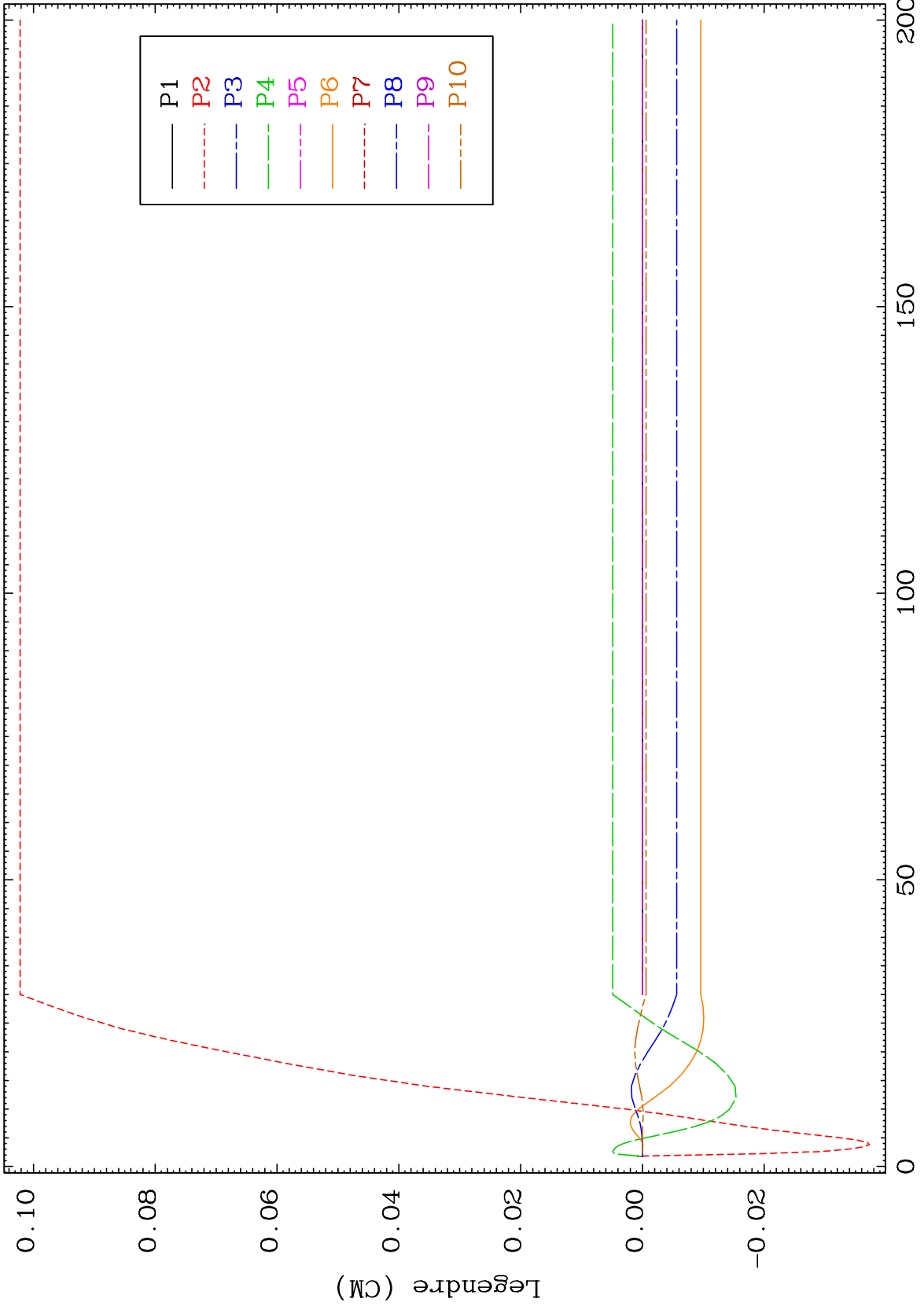
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



68-Er-158

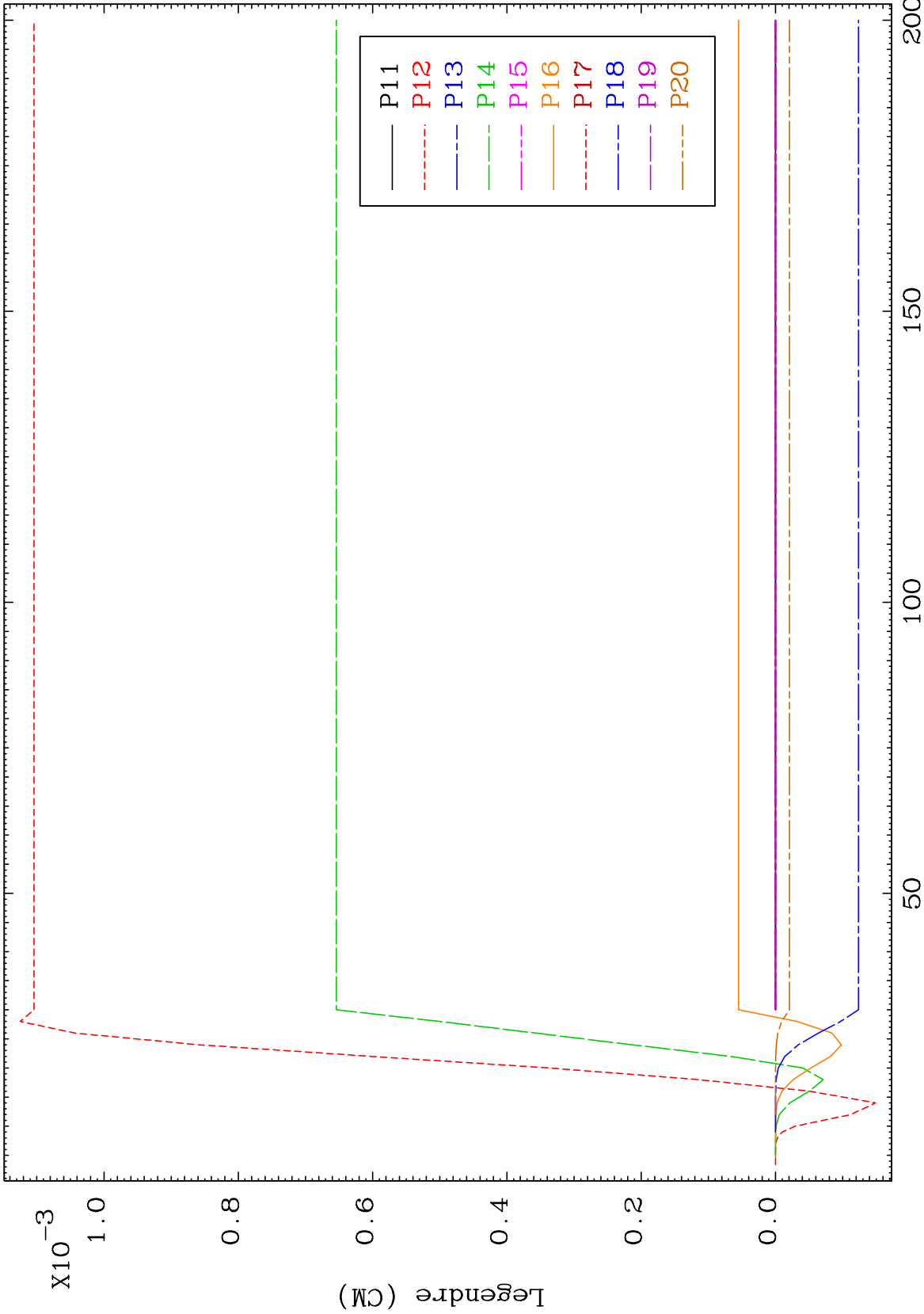
Incident Energy (MeV)

Legendre (CM)

MAT 6813

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

68-Er-158



116

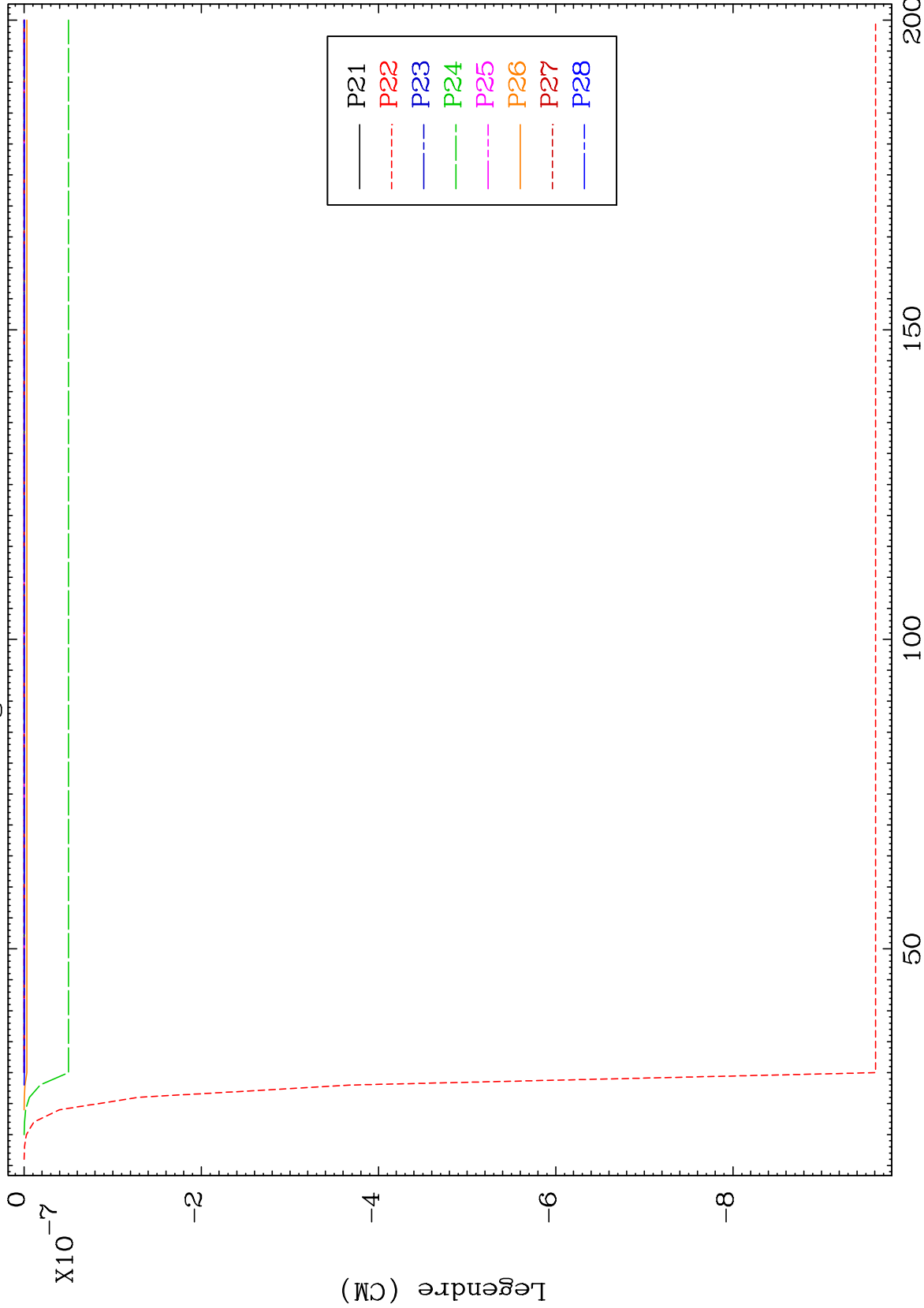
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158

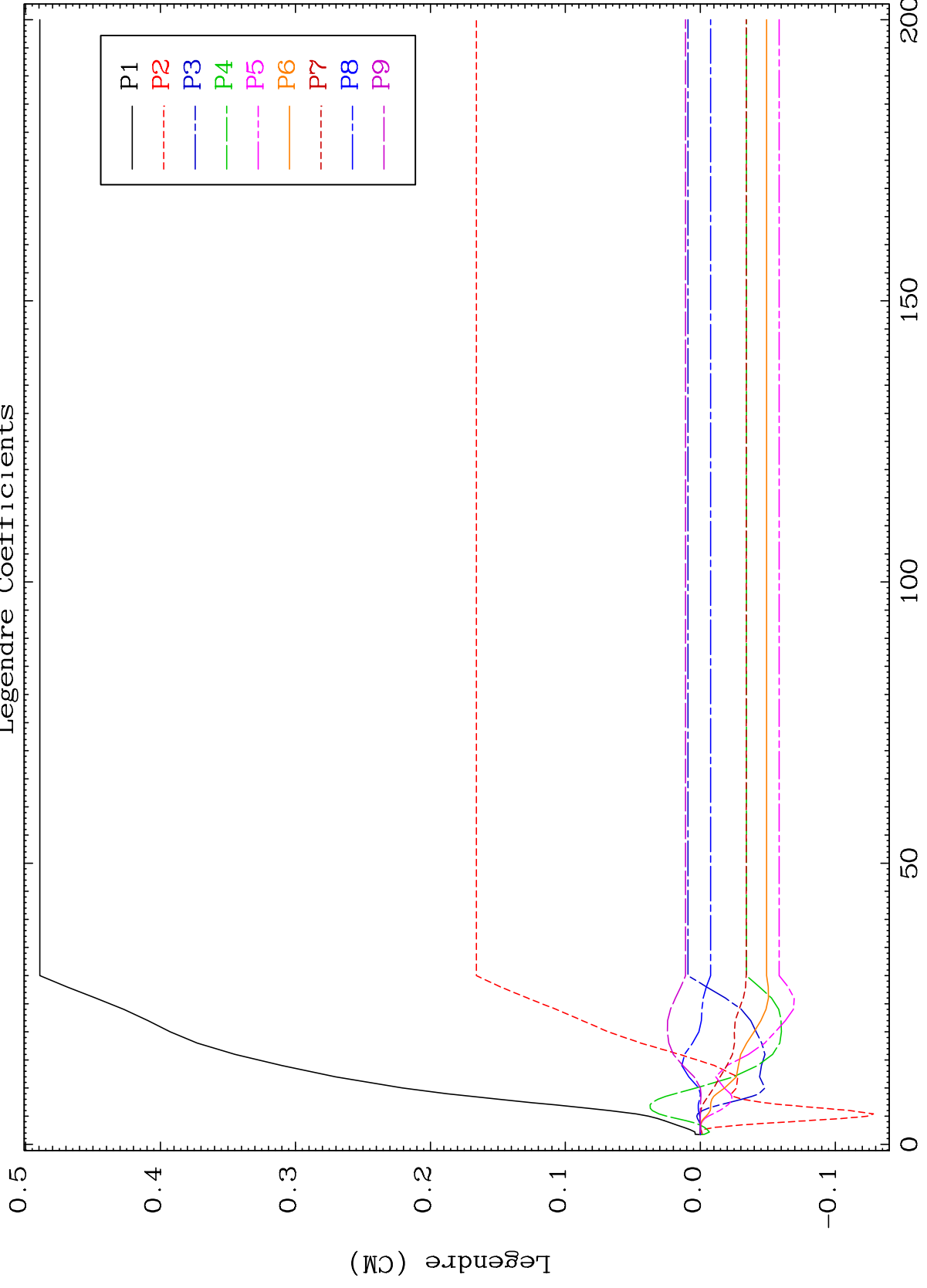


117

Incident Energy (MeV)

68-Er-158

MAT 6813 MT= 77 (n,n') Level Legendre Coefficients 68-Er-158

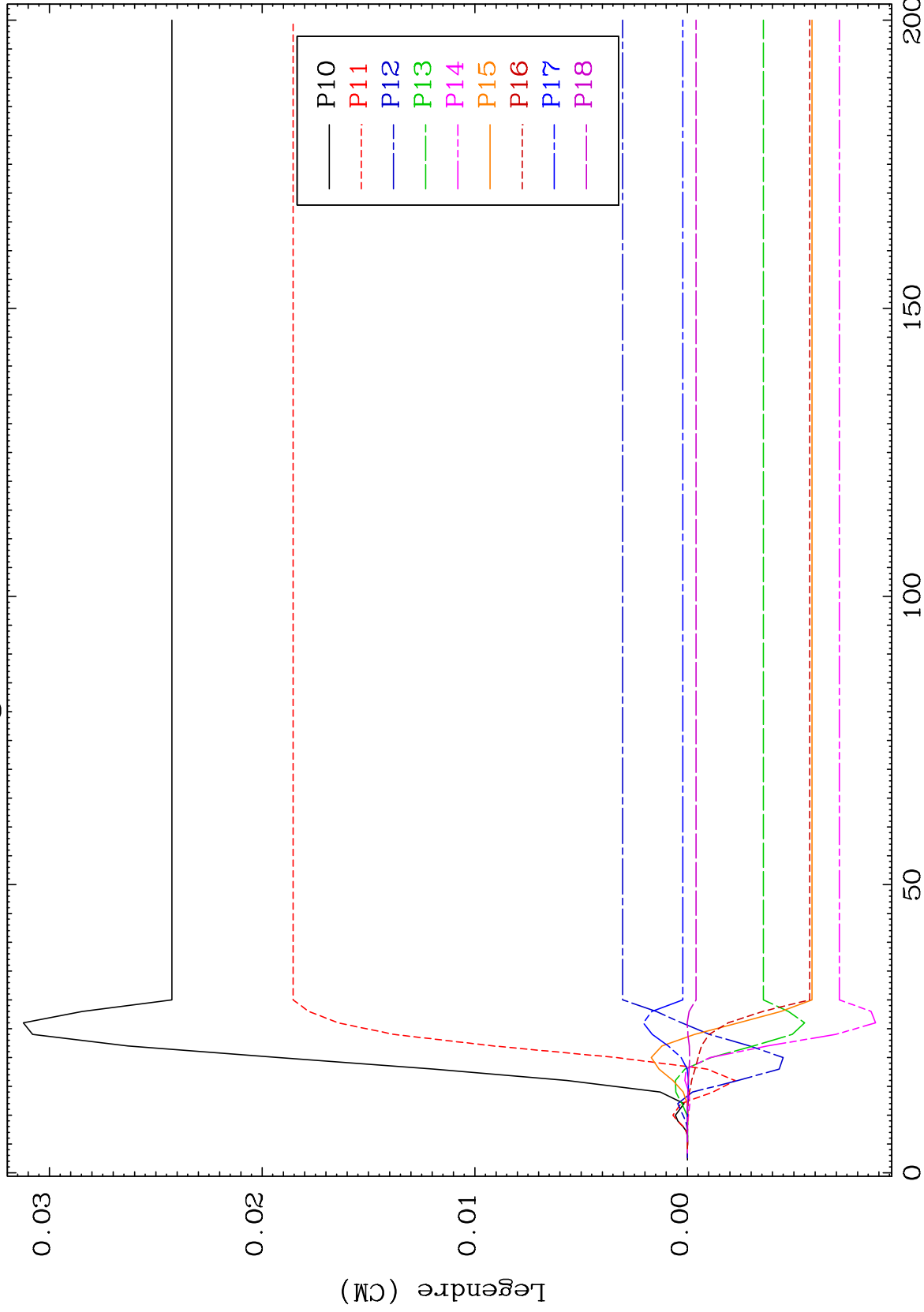


118 68-Er-158

MAT 6813

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

68-Er-158



119

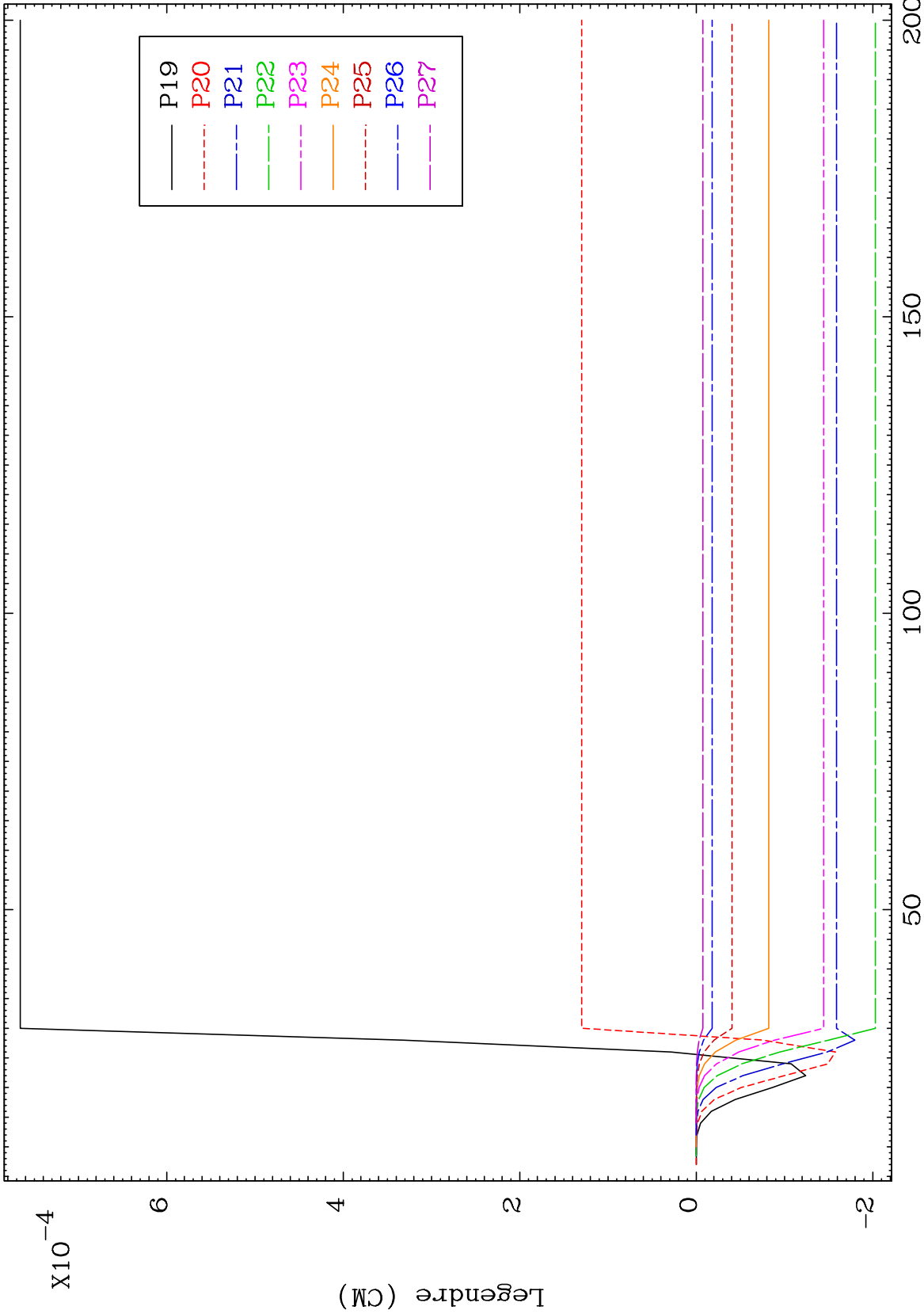
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



120

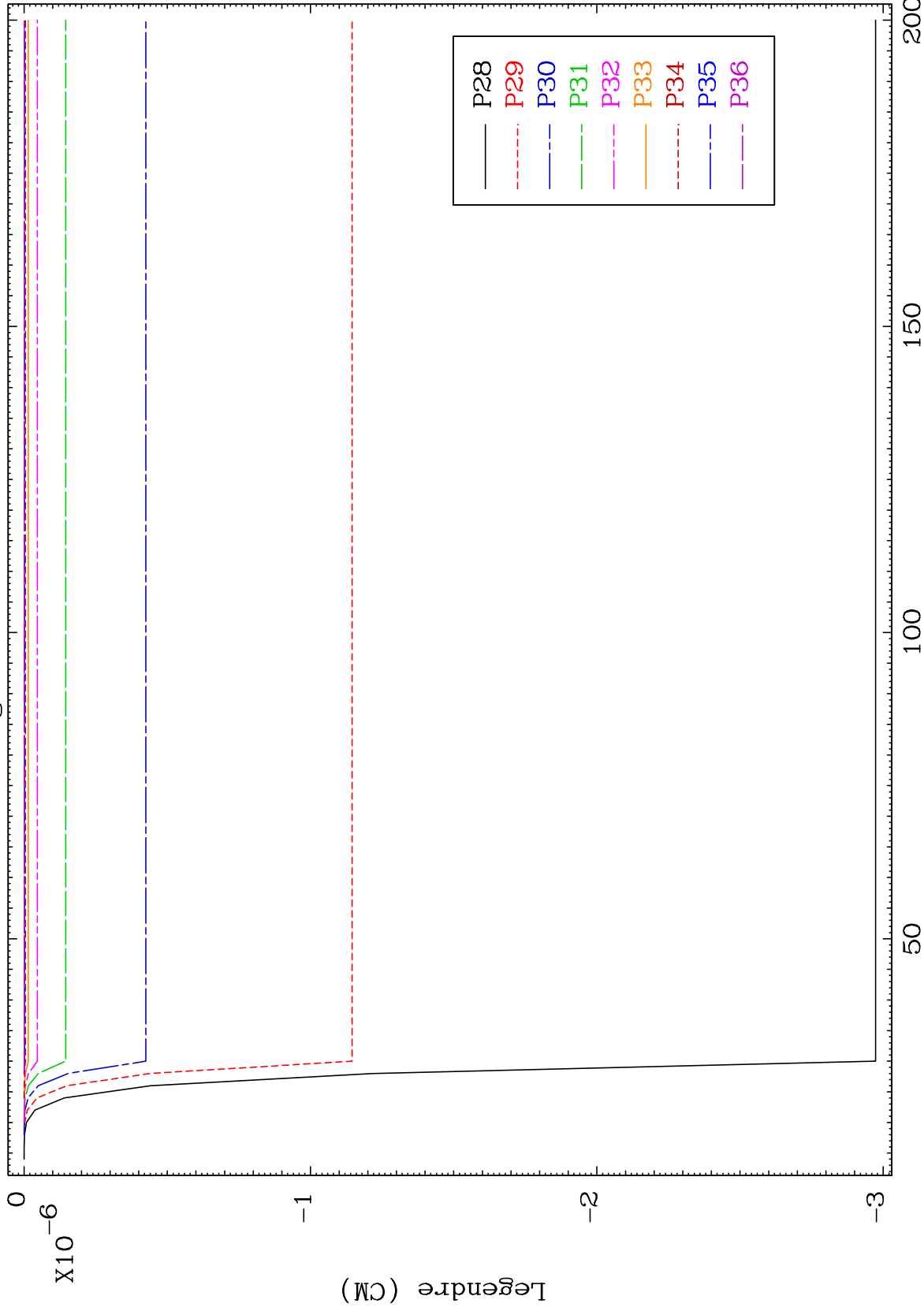
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



121

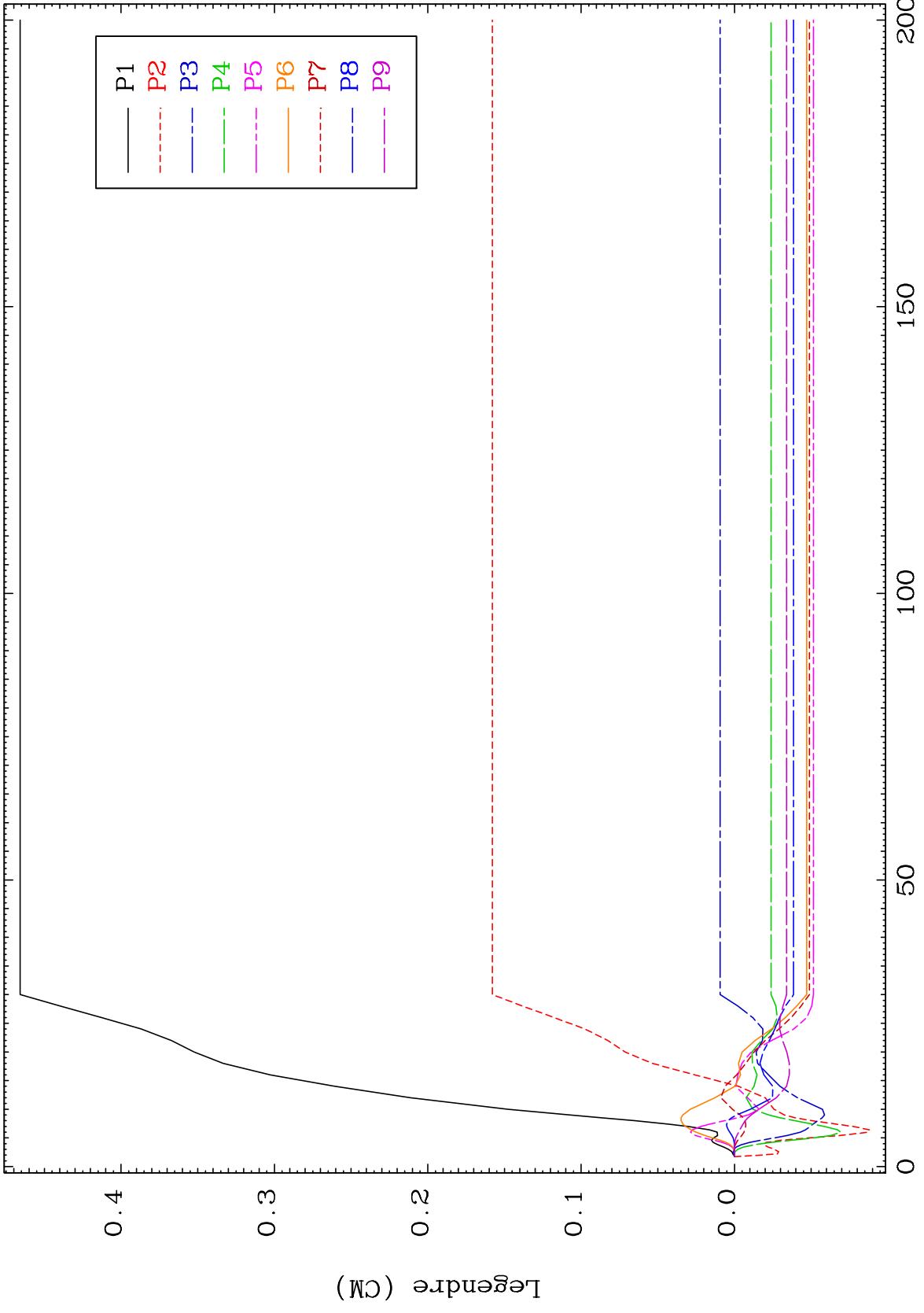
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



122

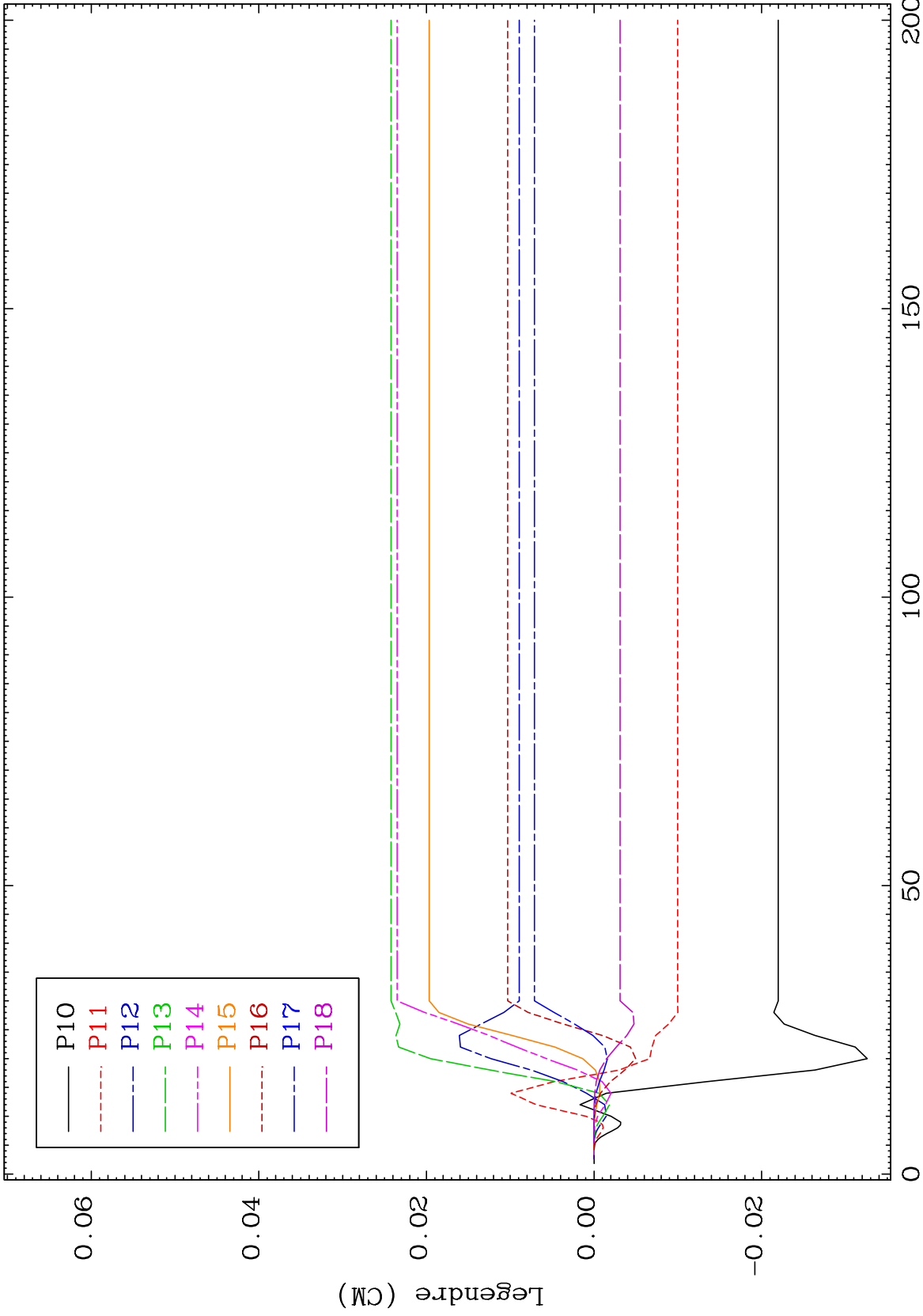
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



123

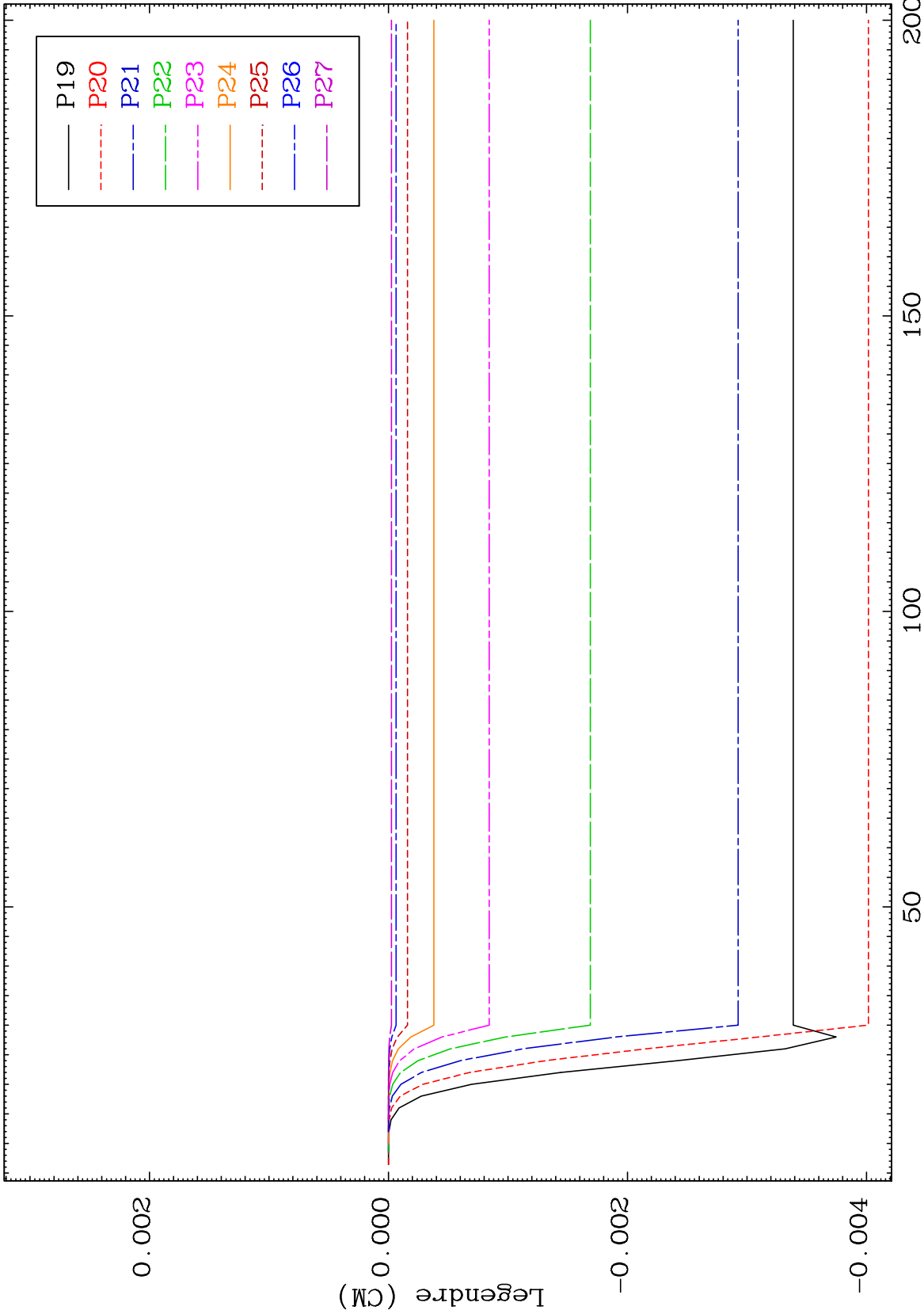
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158

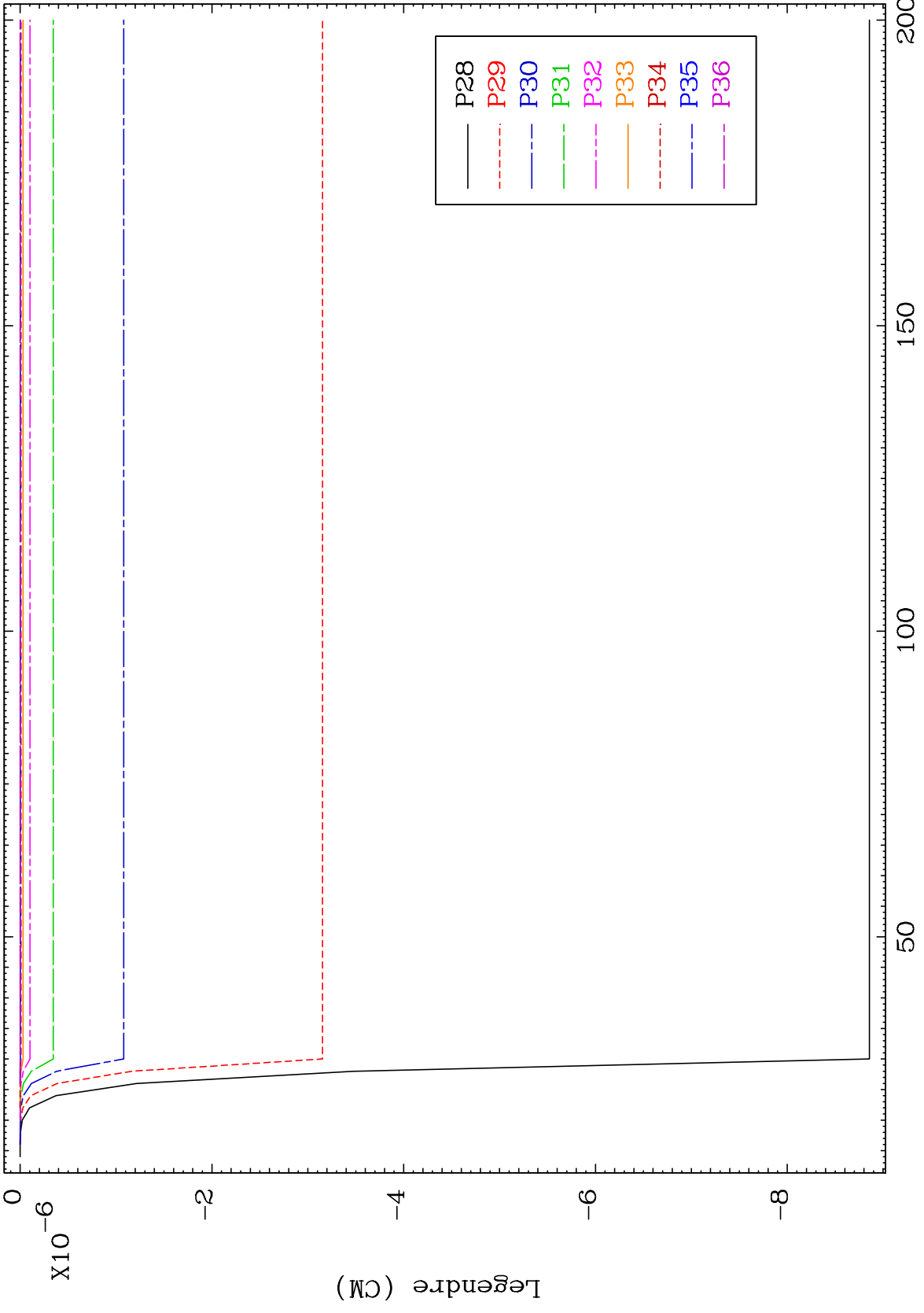


124

Incident Energy (MeV)

68-Er-158

MAT 6813 MT= 78 (n,n') Level Legendre Coefficients 68-Er-158

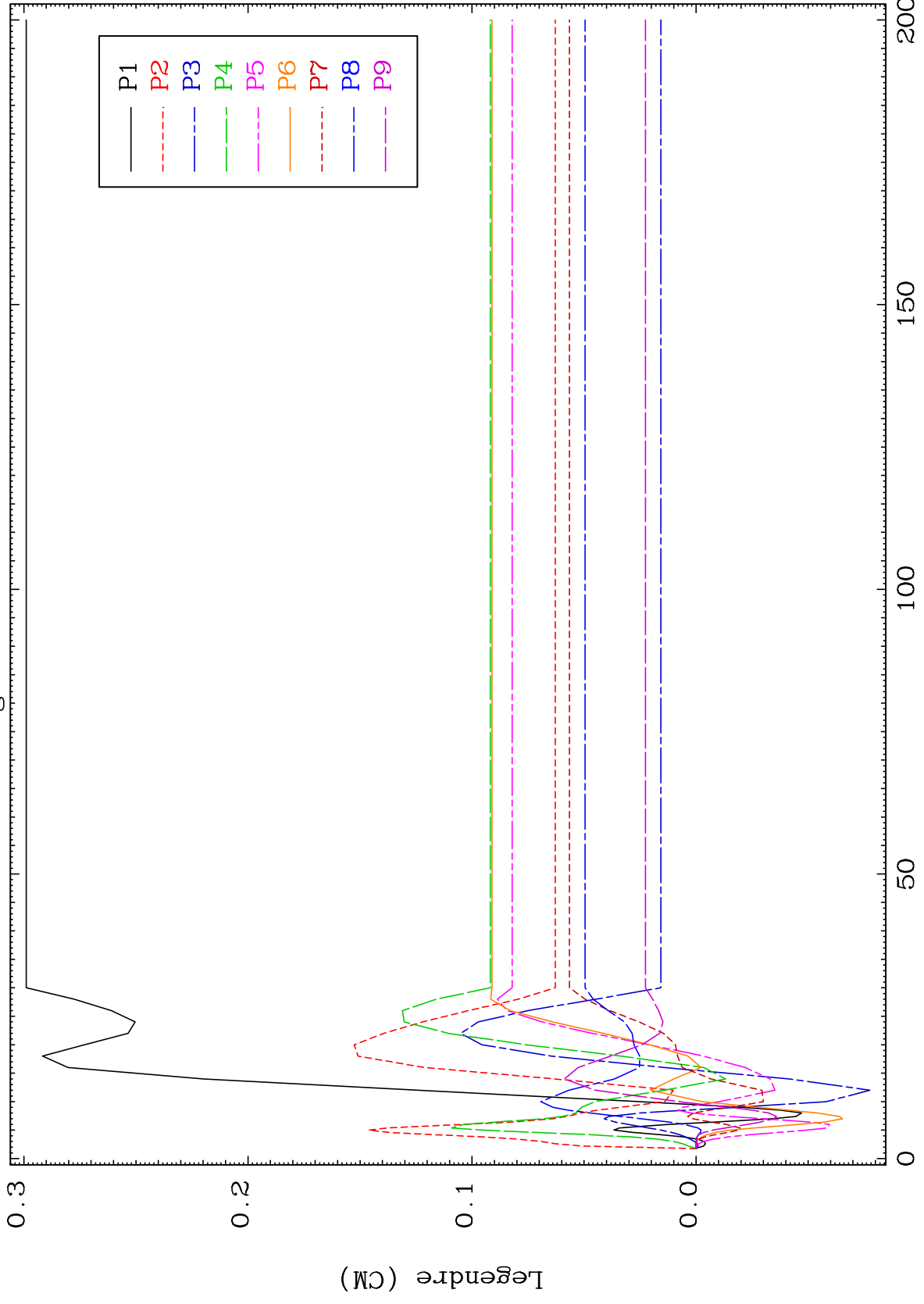


125 50 100 150 200 68-Er-158

MAT 6813

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

68-Er-158



126

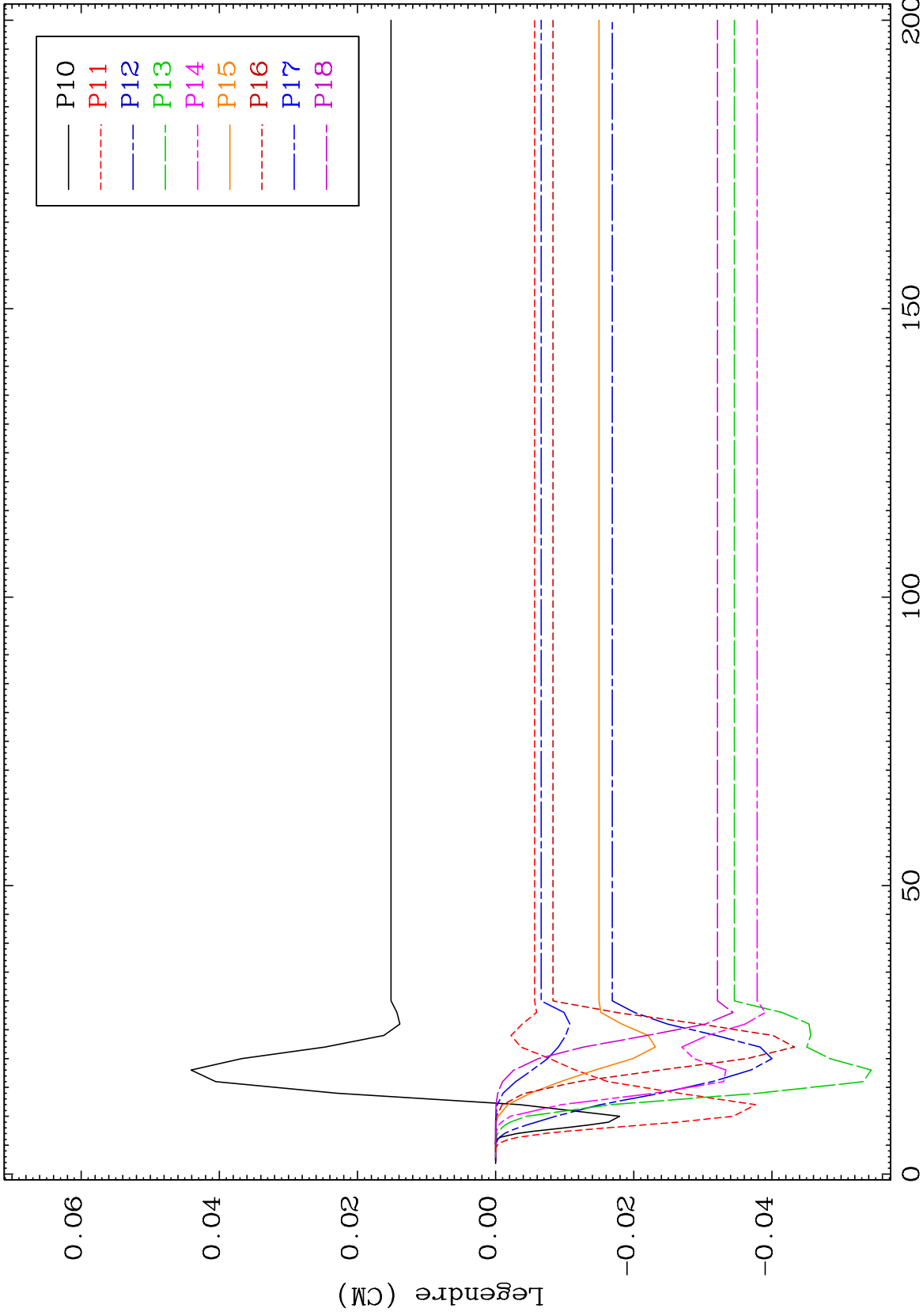
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



127

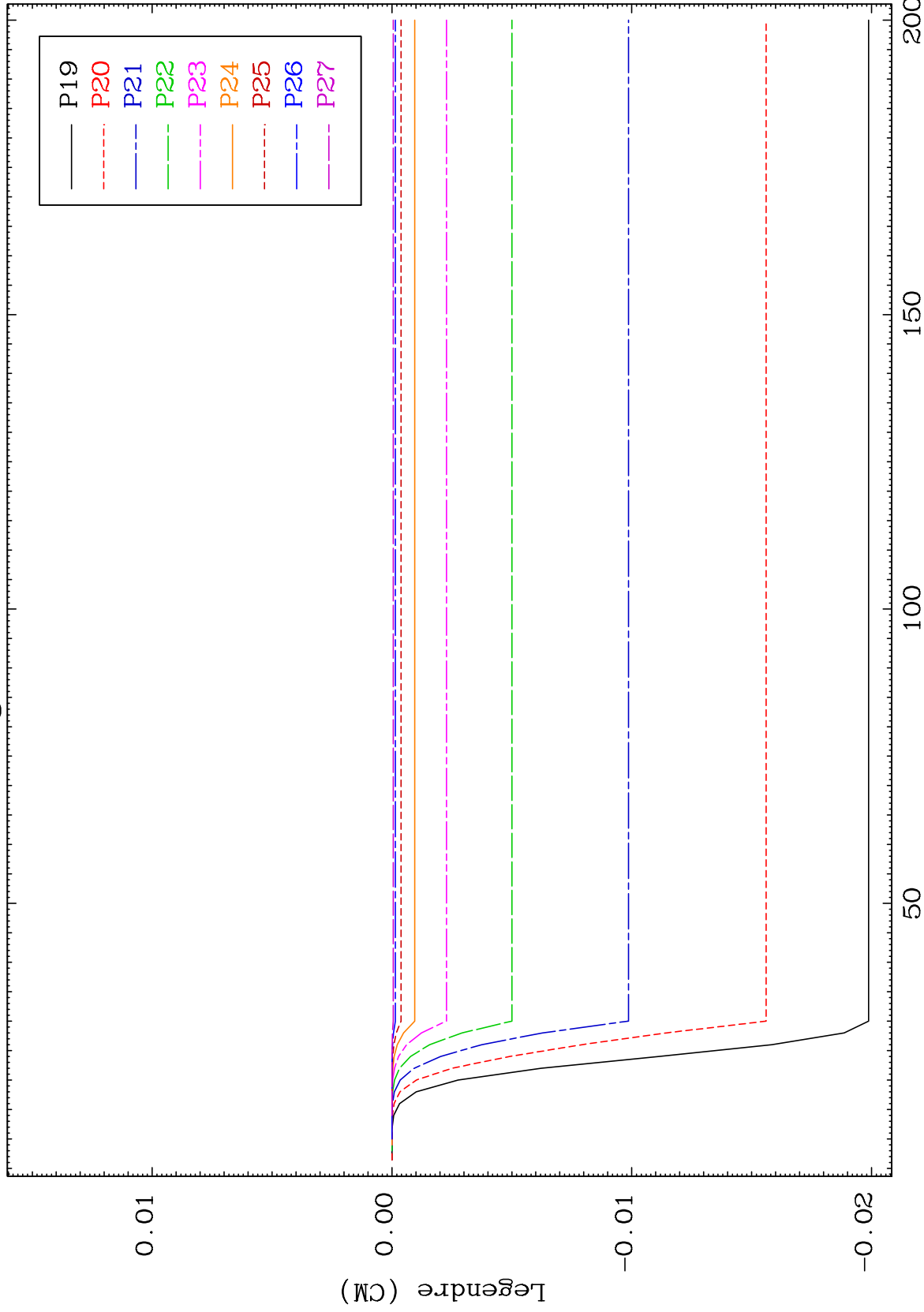
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



128

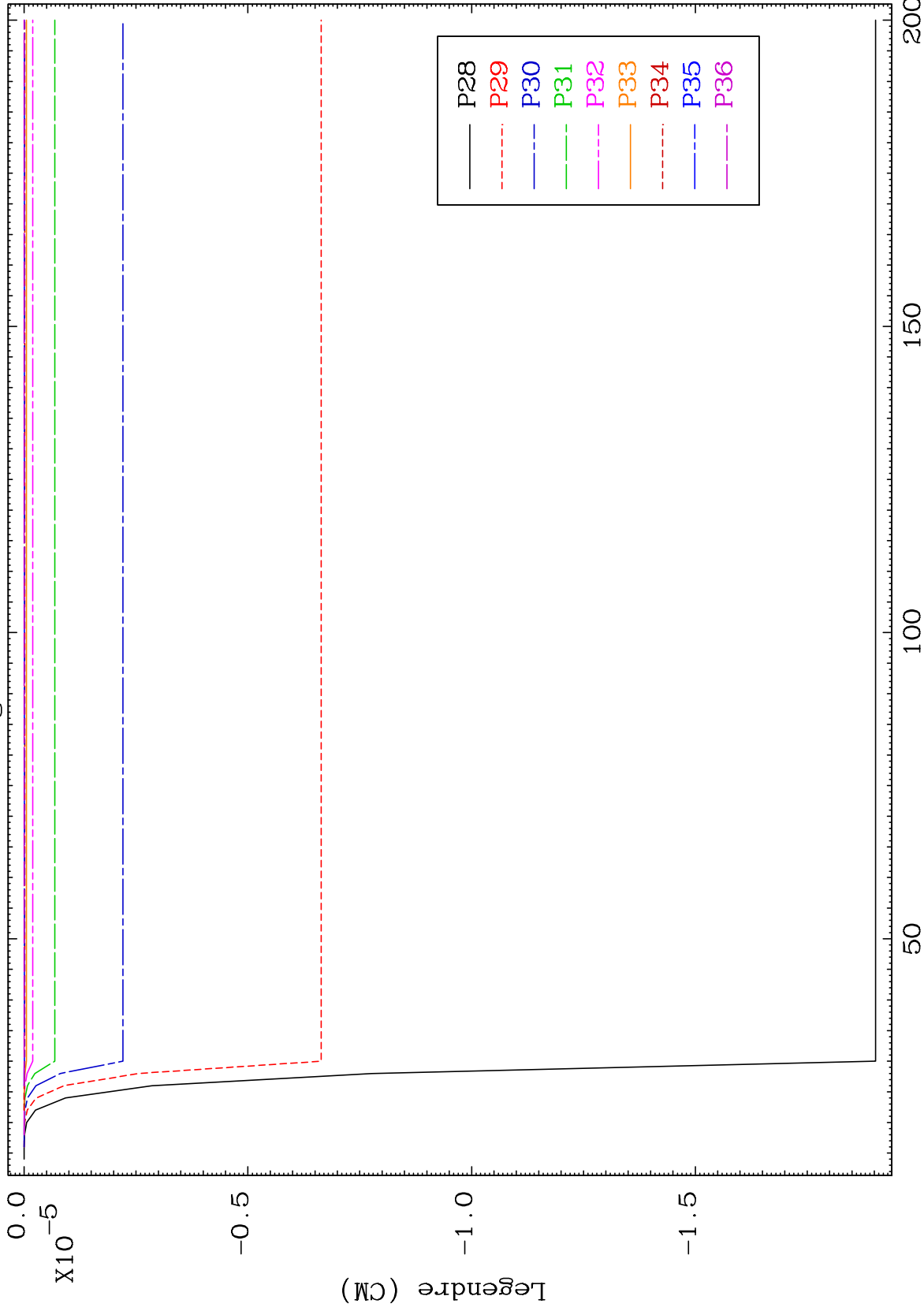
Incident Energy (MeV)

68-Er-158

MAT 6813

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

68-Er-158



129

Incident Energy (MeV)

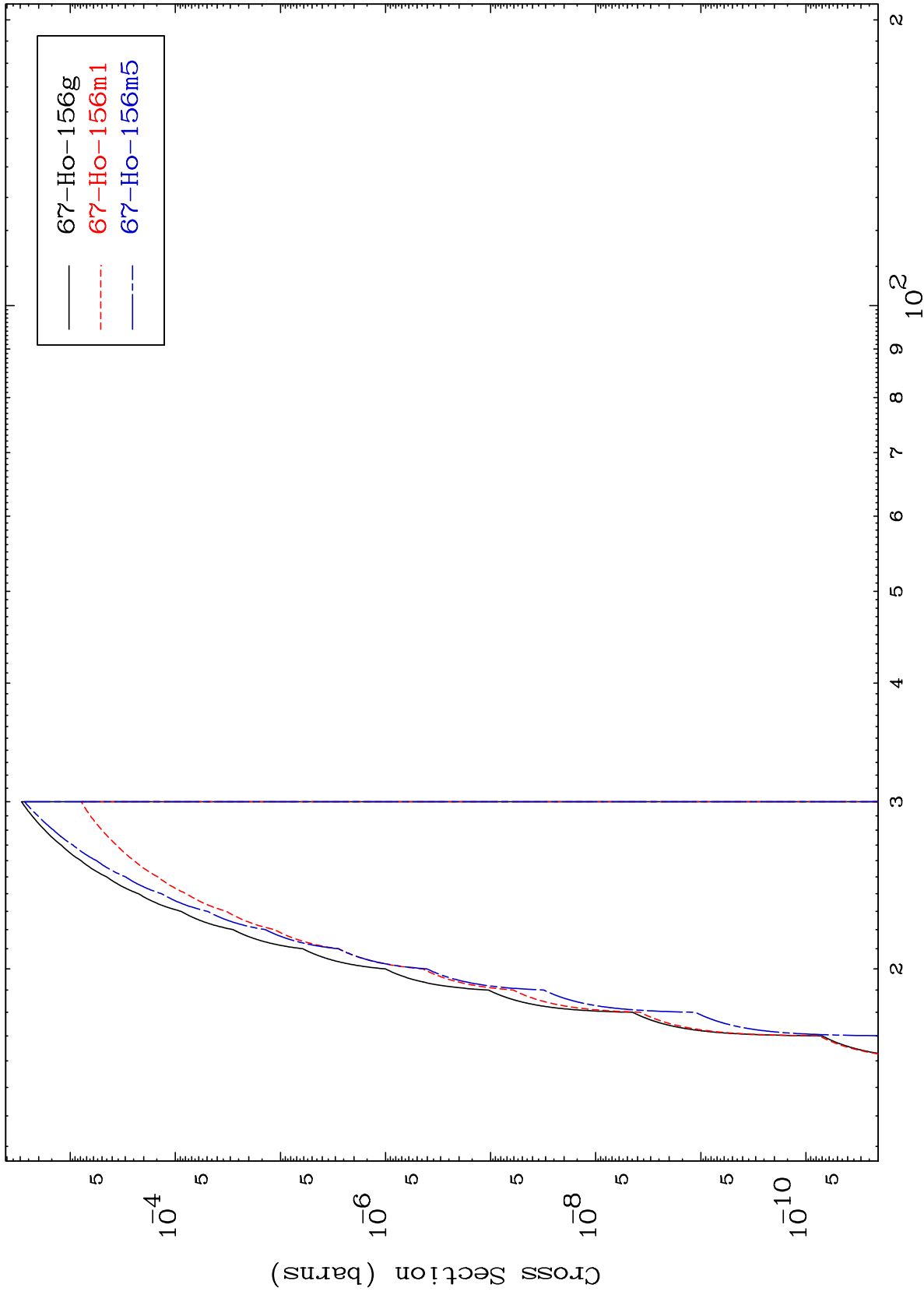
68-Er-158

MAT 6813

(n,n') d

68-Er-158

Radionuclide Production Cross Section



130

Incident Energy (MeV)

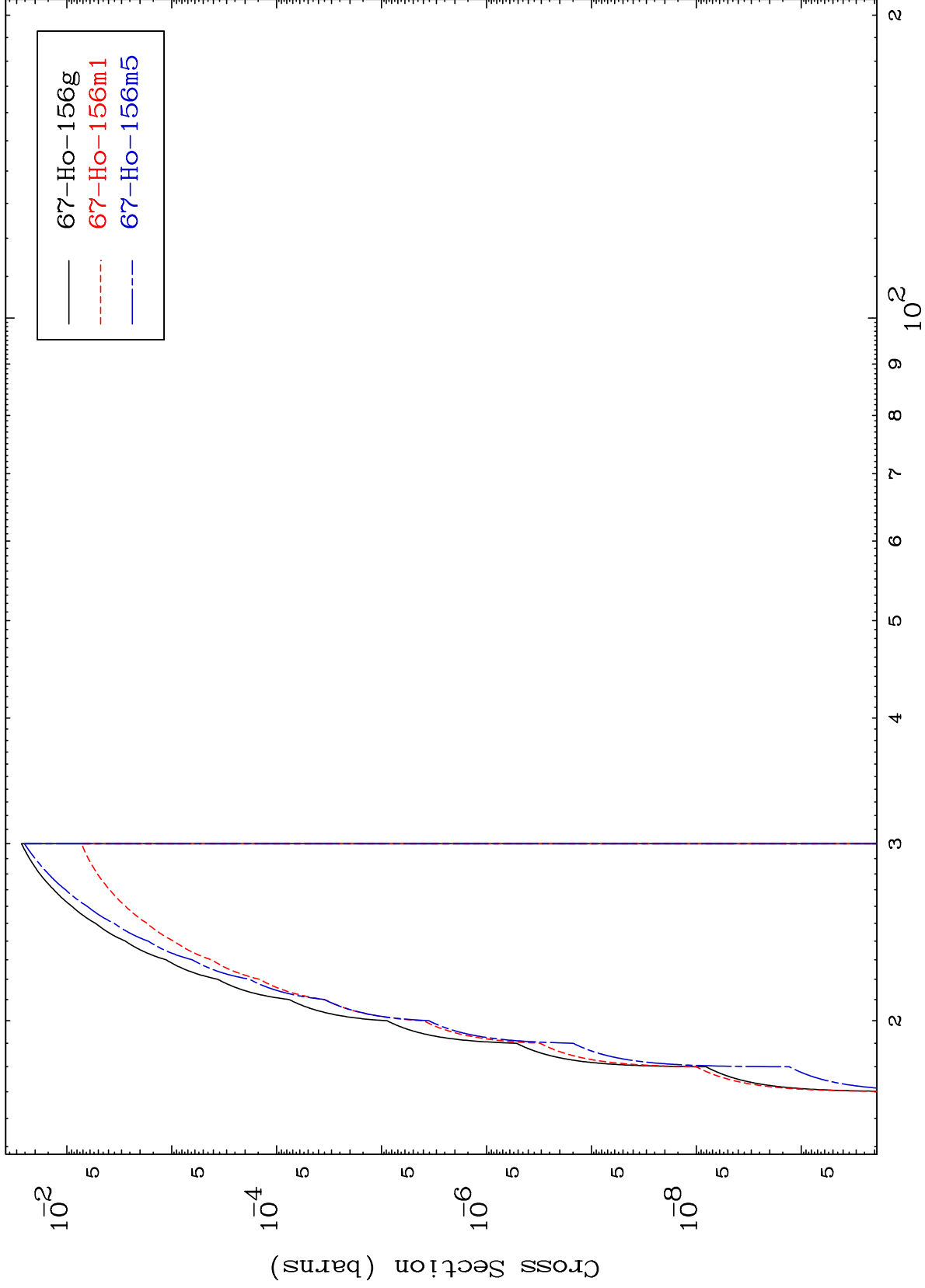
68-Er-158

MAT 6813

(n,2n) p

68-Er-158

Radionuclide Production Cross Section

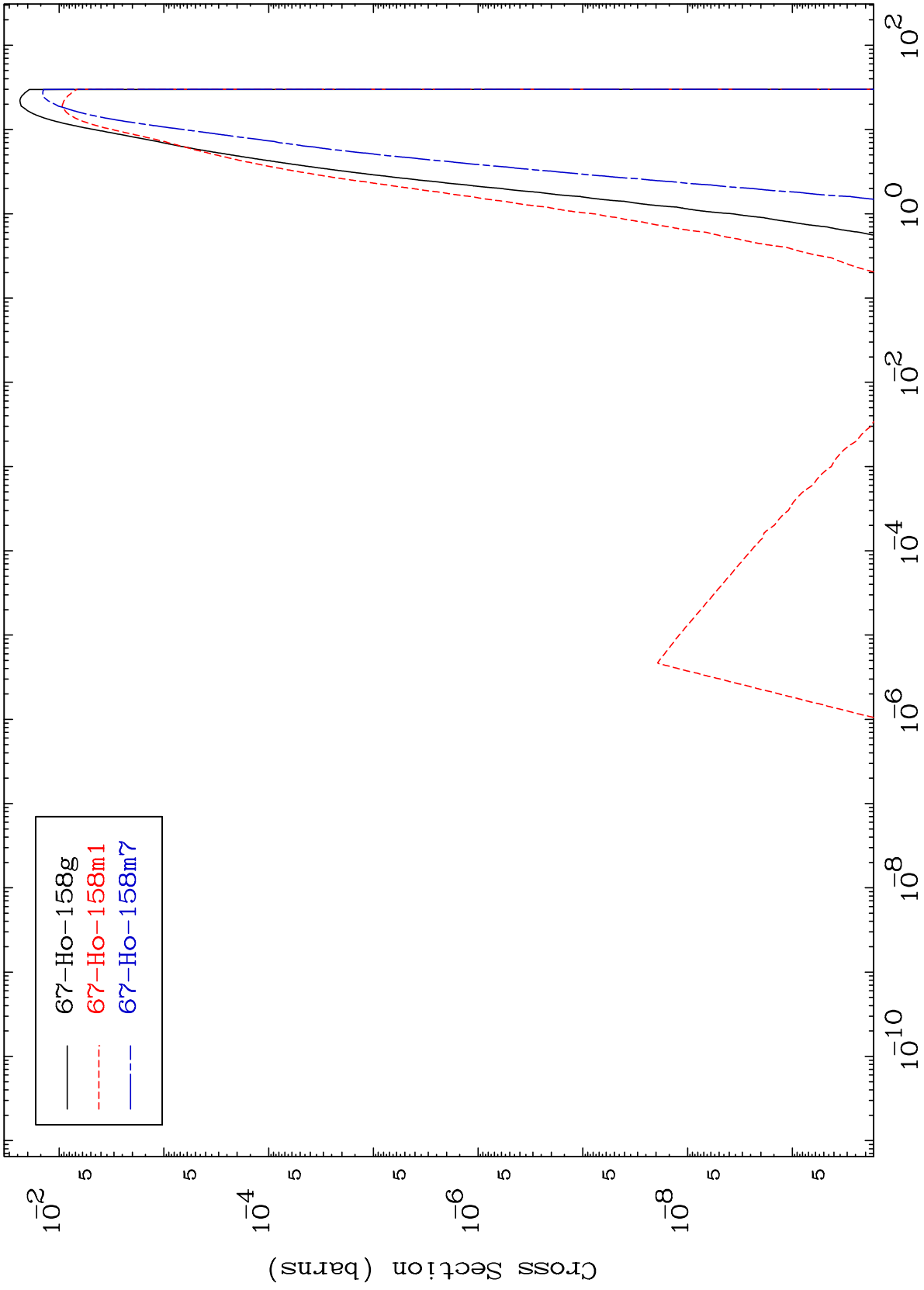


131

Incident Energy (MeV)

68-Er-158

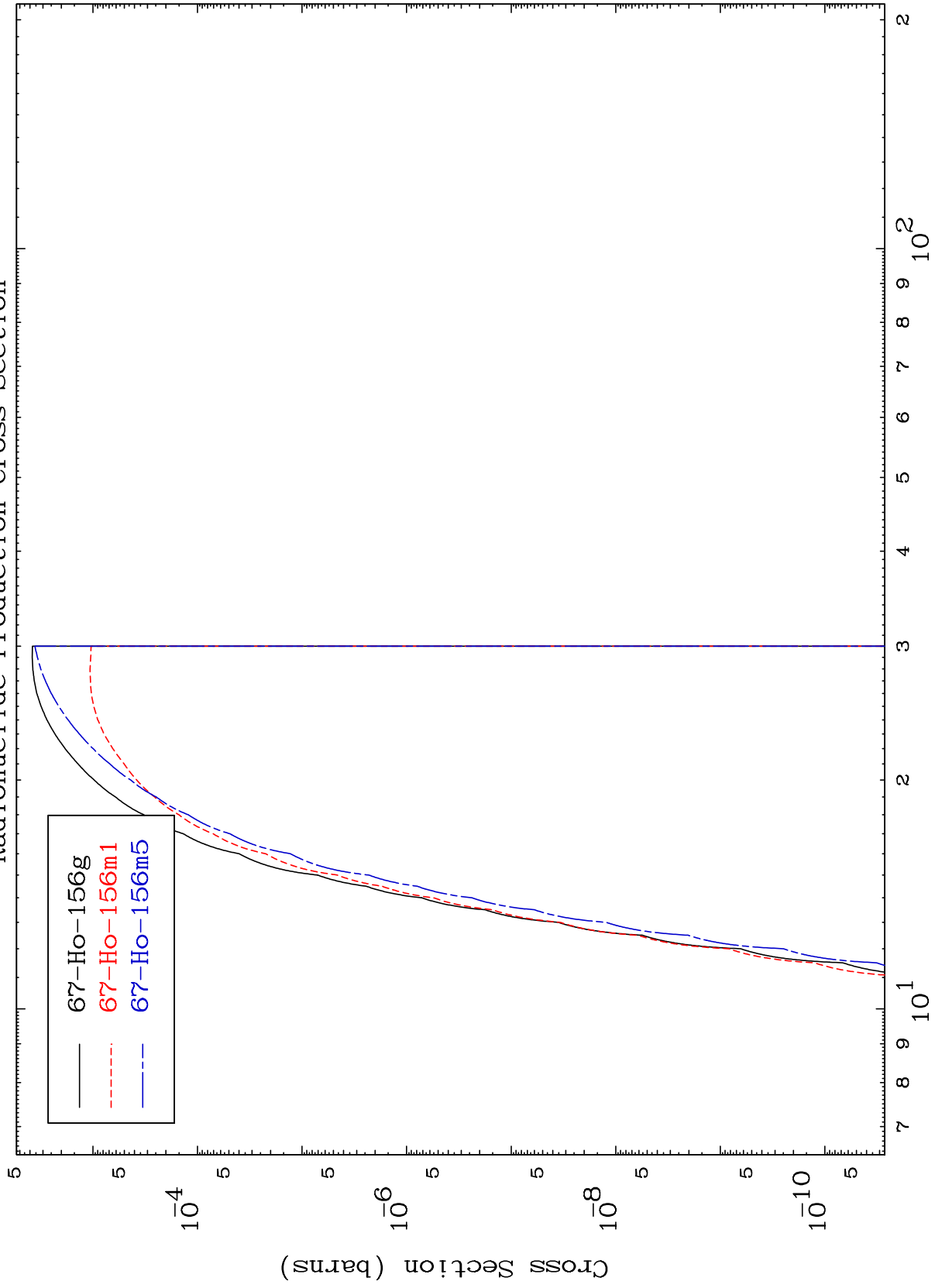
(n,p)
Radionuclide Production Cross Section



MAT 6813

68-Er-158

(n, t)
Radionuclide Production Cross Section



133

Incident Energy (MeV)

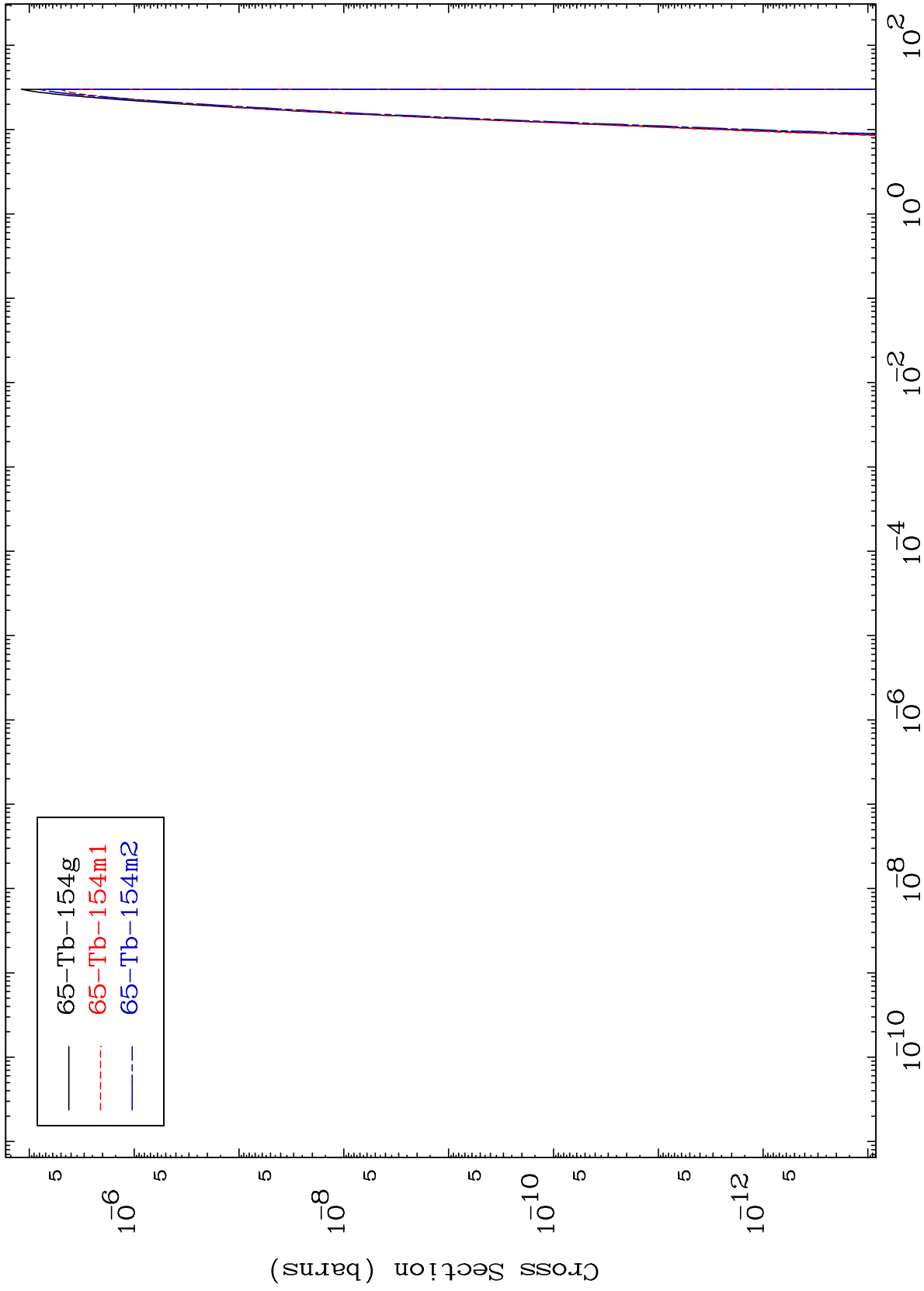
68-Er-158

MAT 6813

(n,p) α

68-Er-158

Radionuclide Production Cross Section



134

Incident Energy (MeV)

68-Er-158