

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

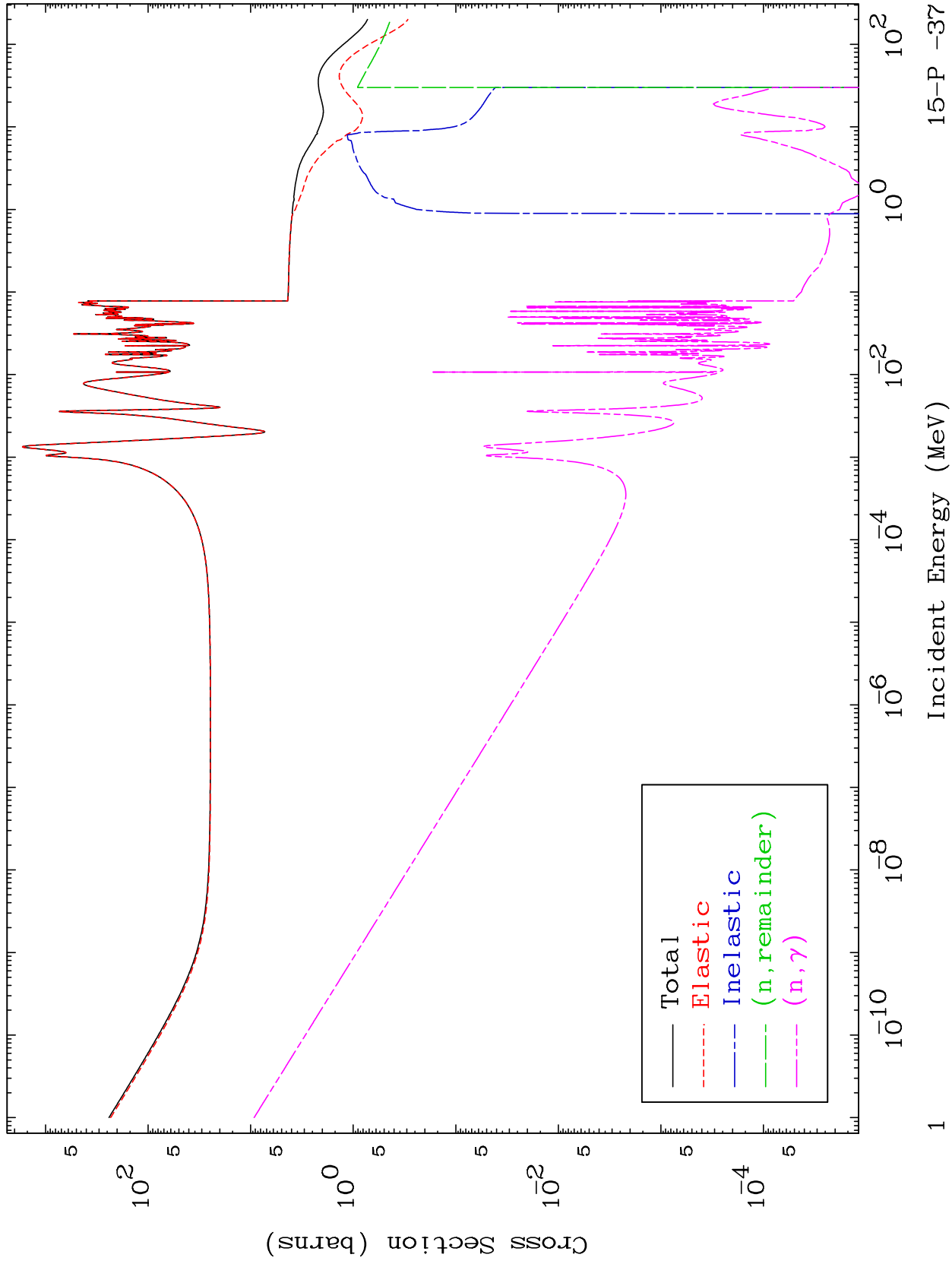
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

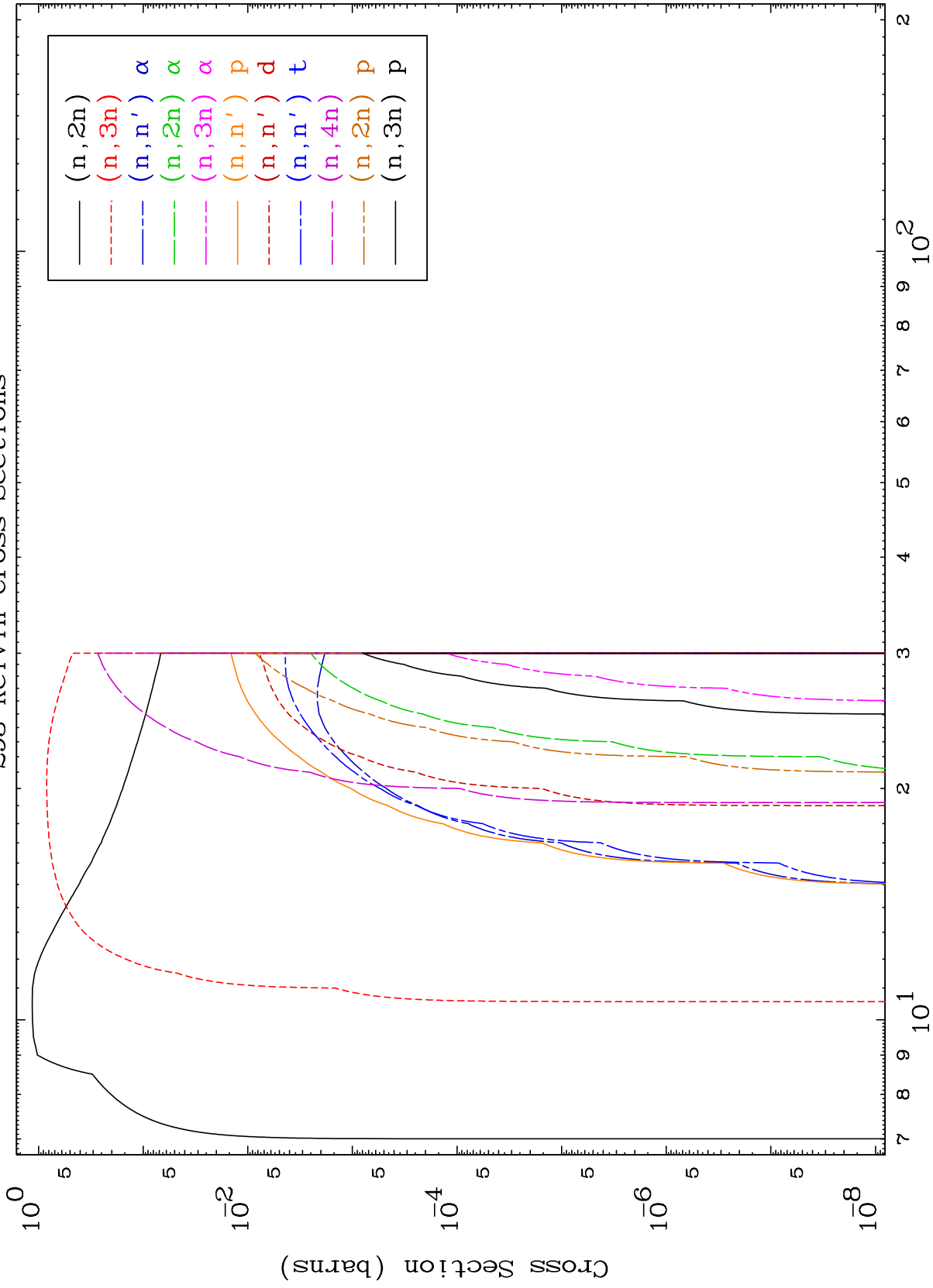
Press Mouse Button to Start

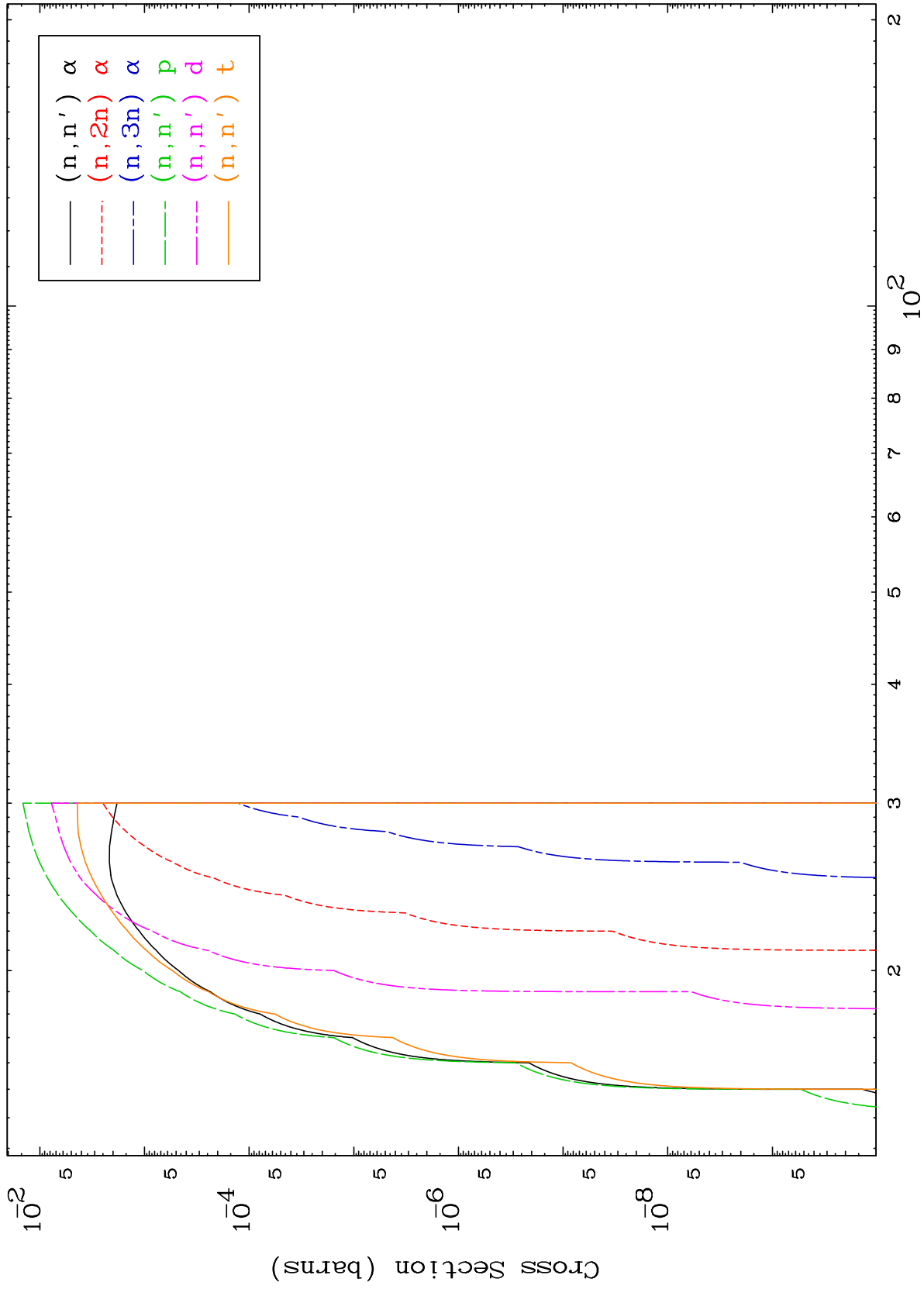
MAT 1543

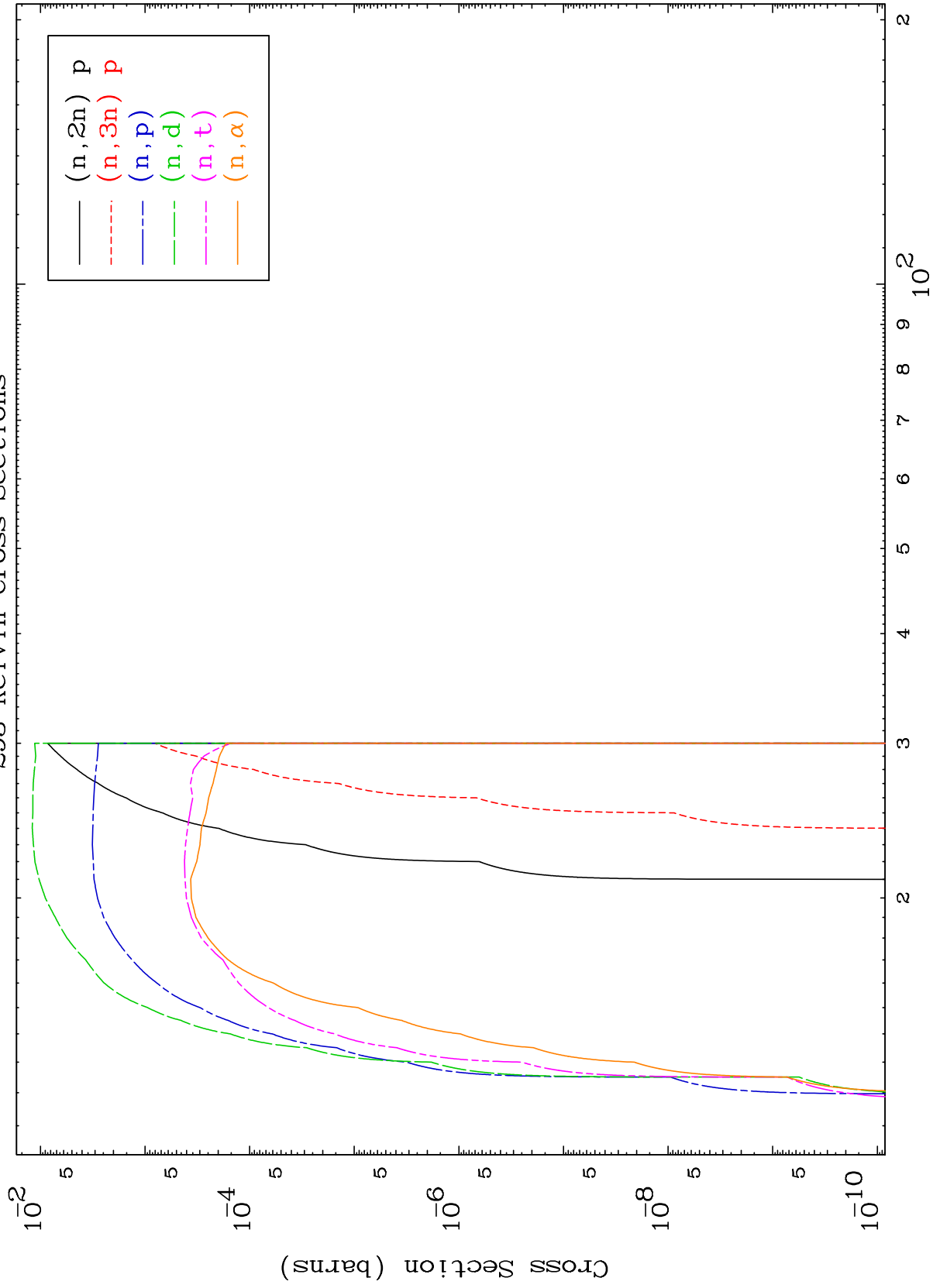
Major
293 Kelvin Cross Sections

15-P -37





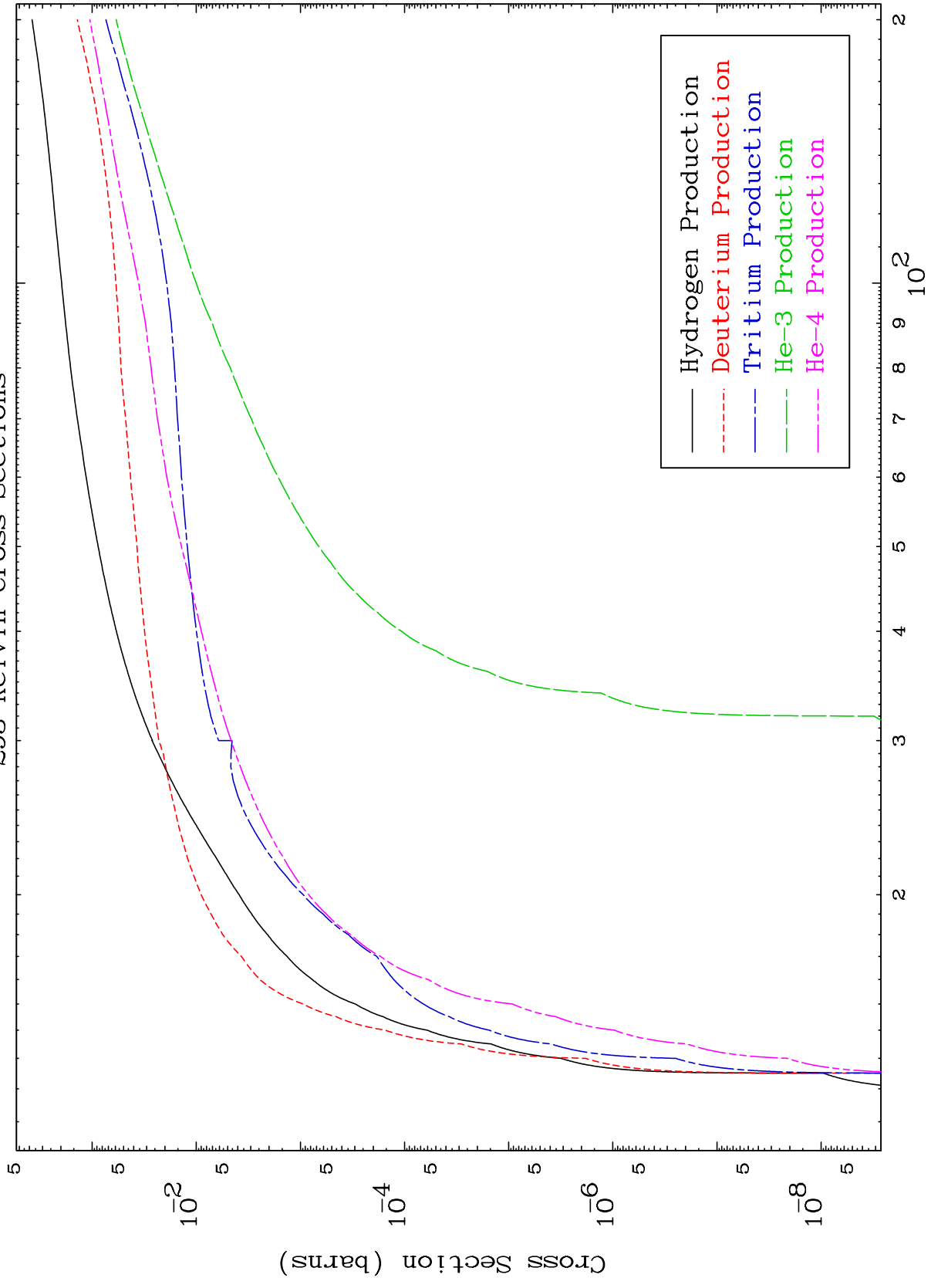




MAT 1543

Particle Production
293 Kelvin Cross Sections

15-P -37



5

Incident Energy (MeV)

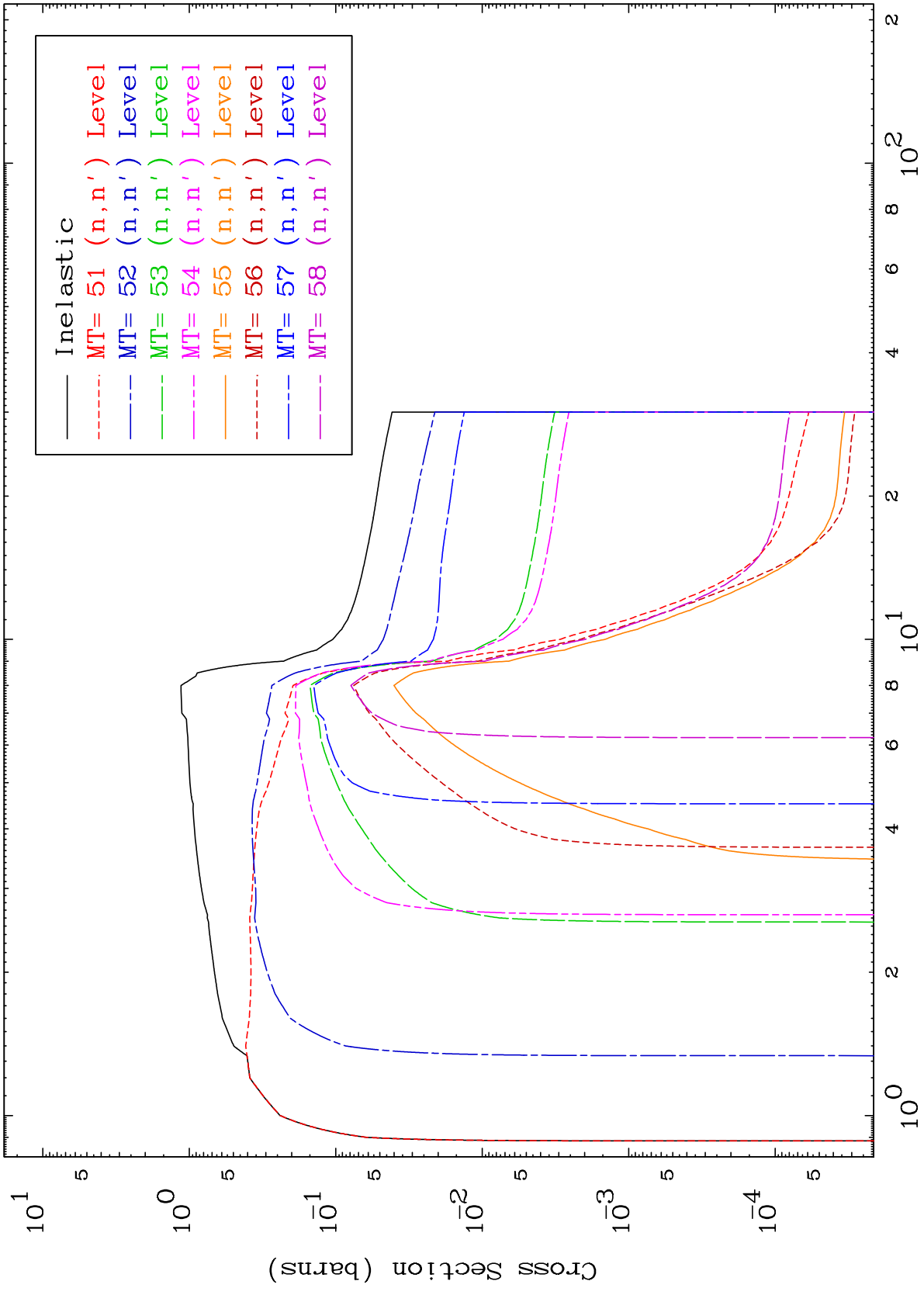
15-P -37

MAT 1543

(n,n') Level

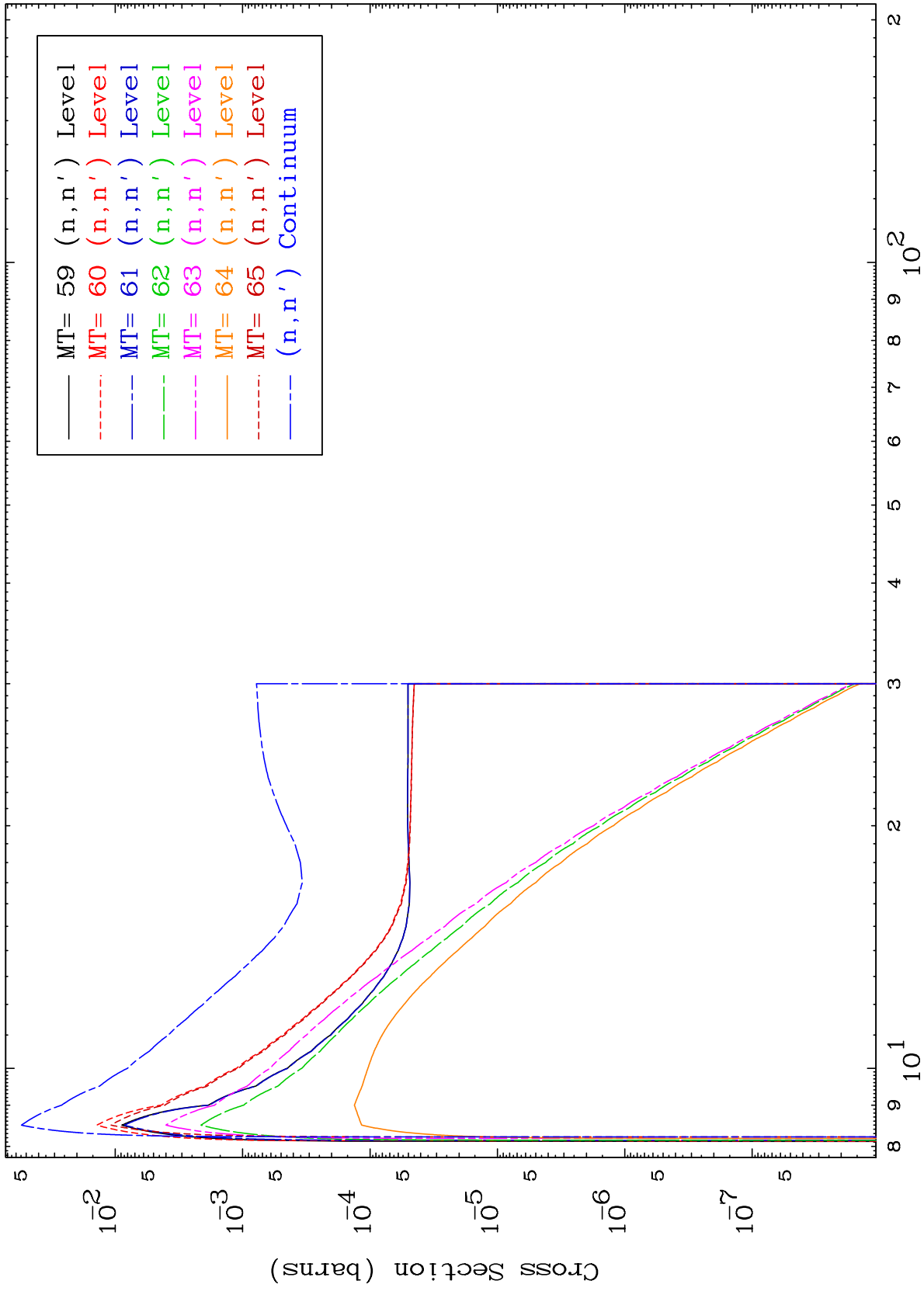
15-P -37

293 Kelvin Cross Sections



Incident Energy (MeV)

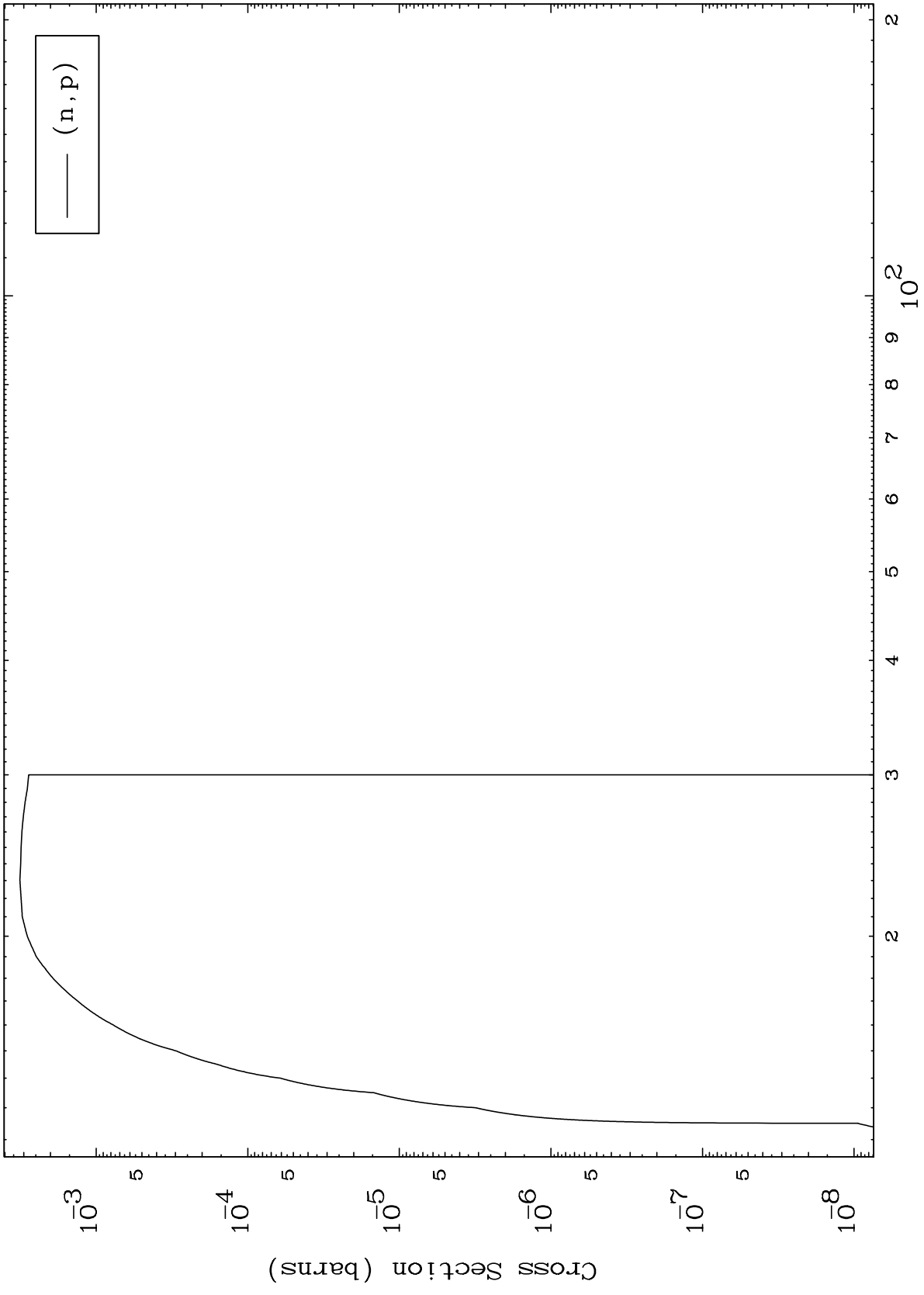
15-P -37



MAT 1543

(n,p) Levels
293 Kelvin Cross Sections

15-P -37



8

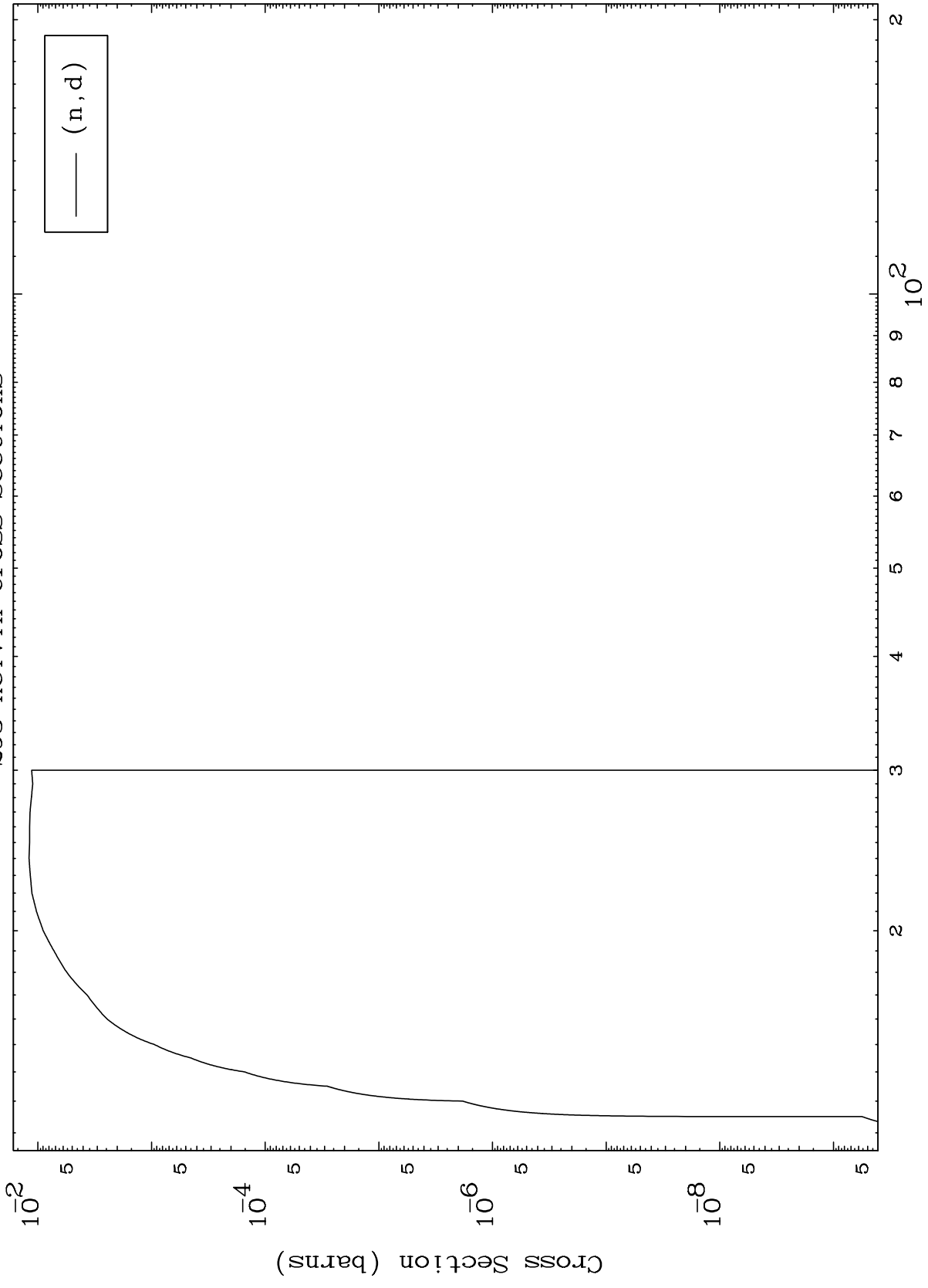
Incident Energy (MeV)

15-P -37

MAT 1543

(n,d) Levels
293 Kelvin Cross Sections

15-P -37



9

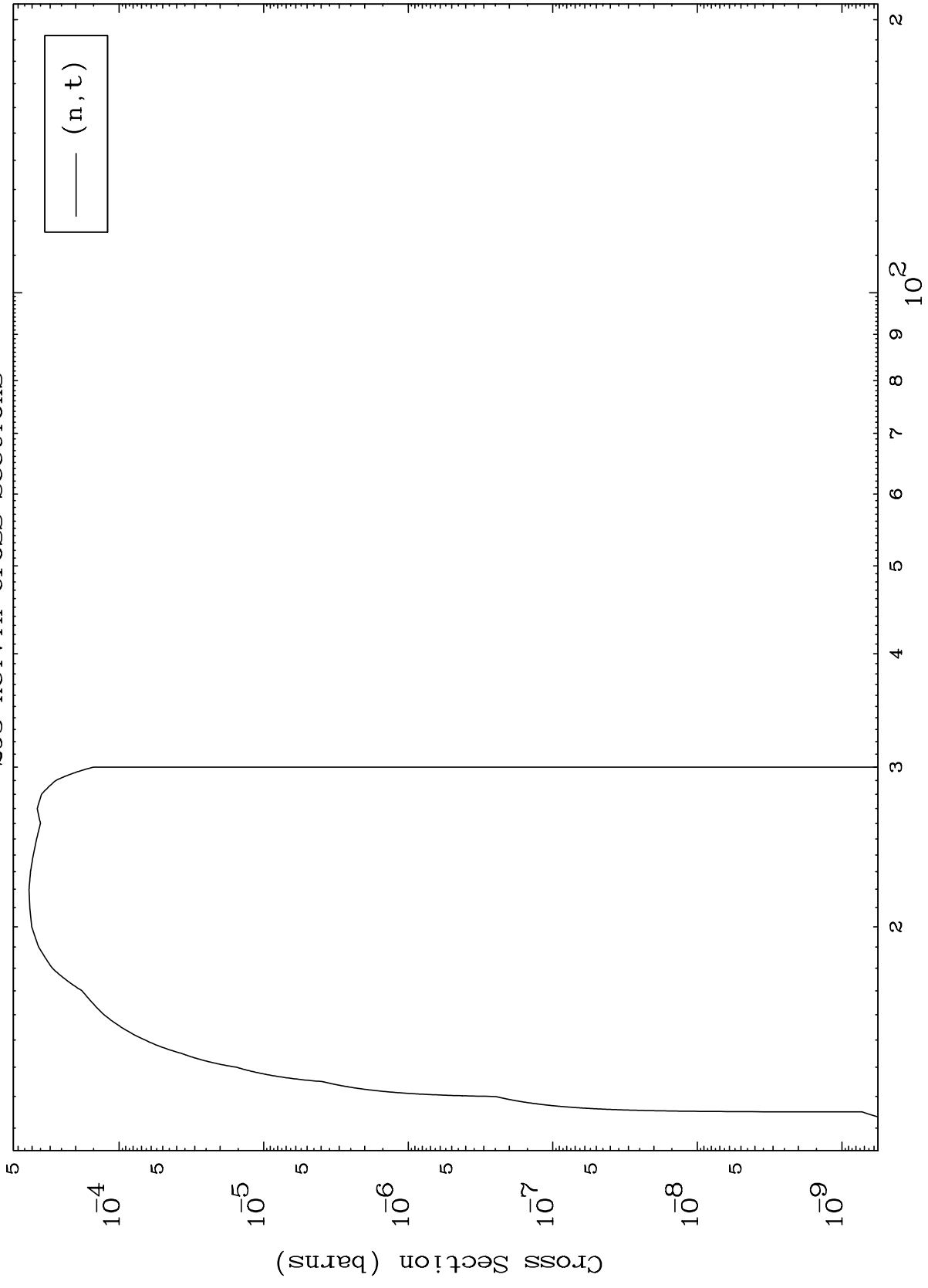
Incident Energy (MeV)

15-P -37

MAT 1543

(n,t) Levels
293 Kelvin Cross Sections

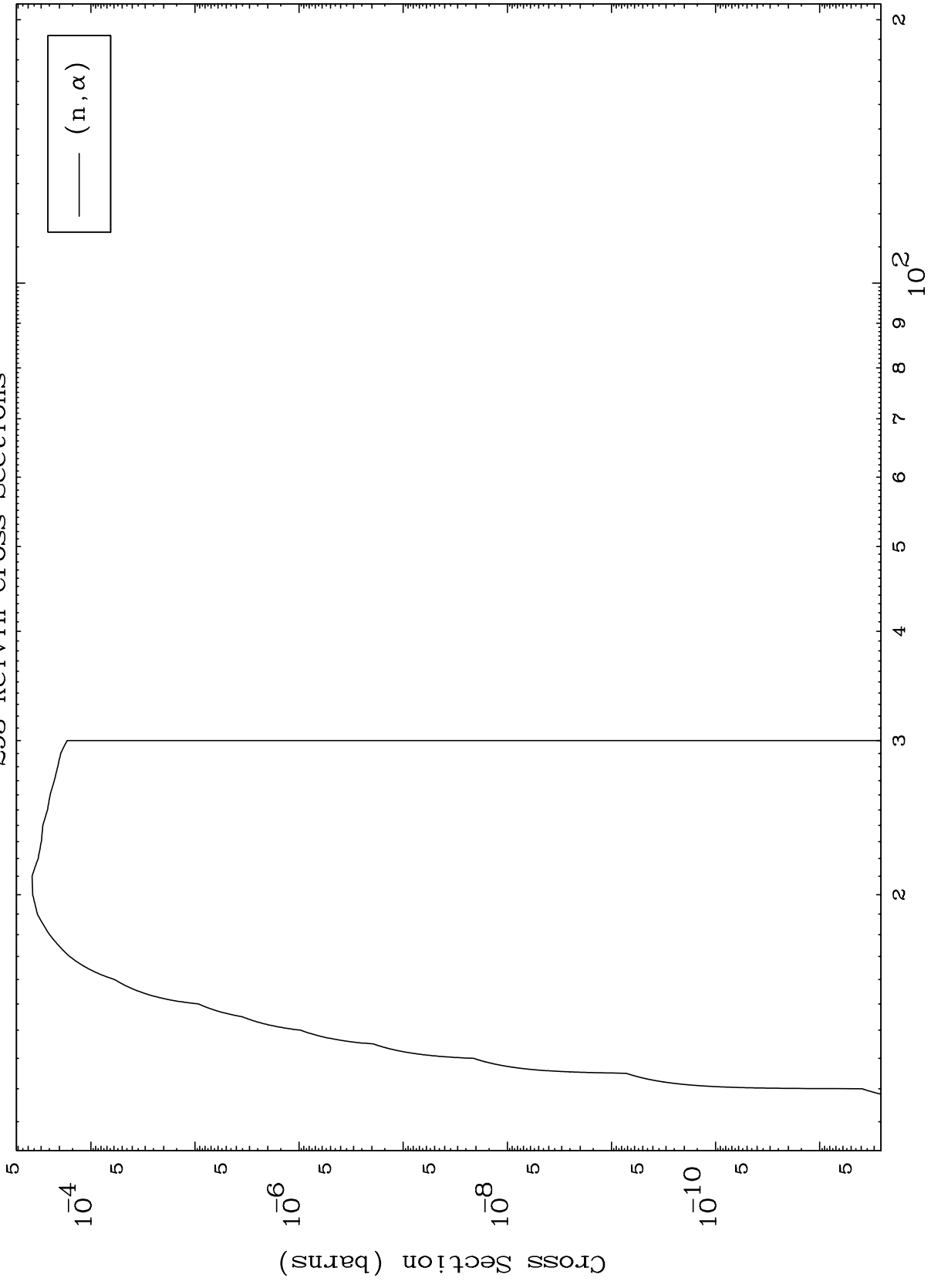
15-P -37

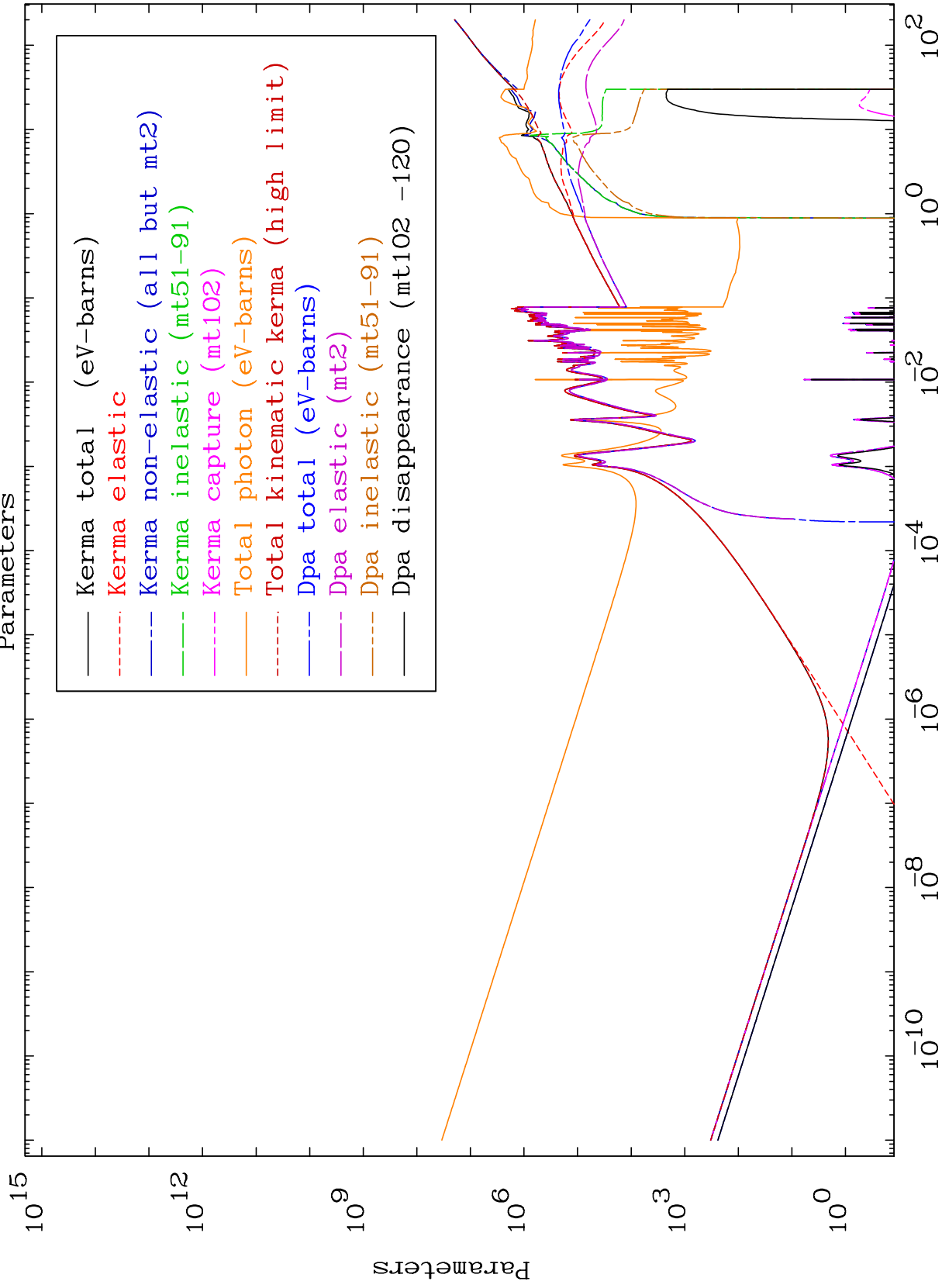


10

Incident Energy (MeV)

15-P -37



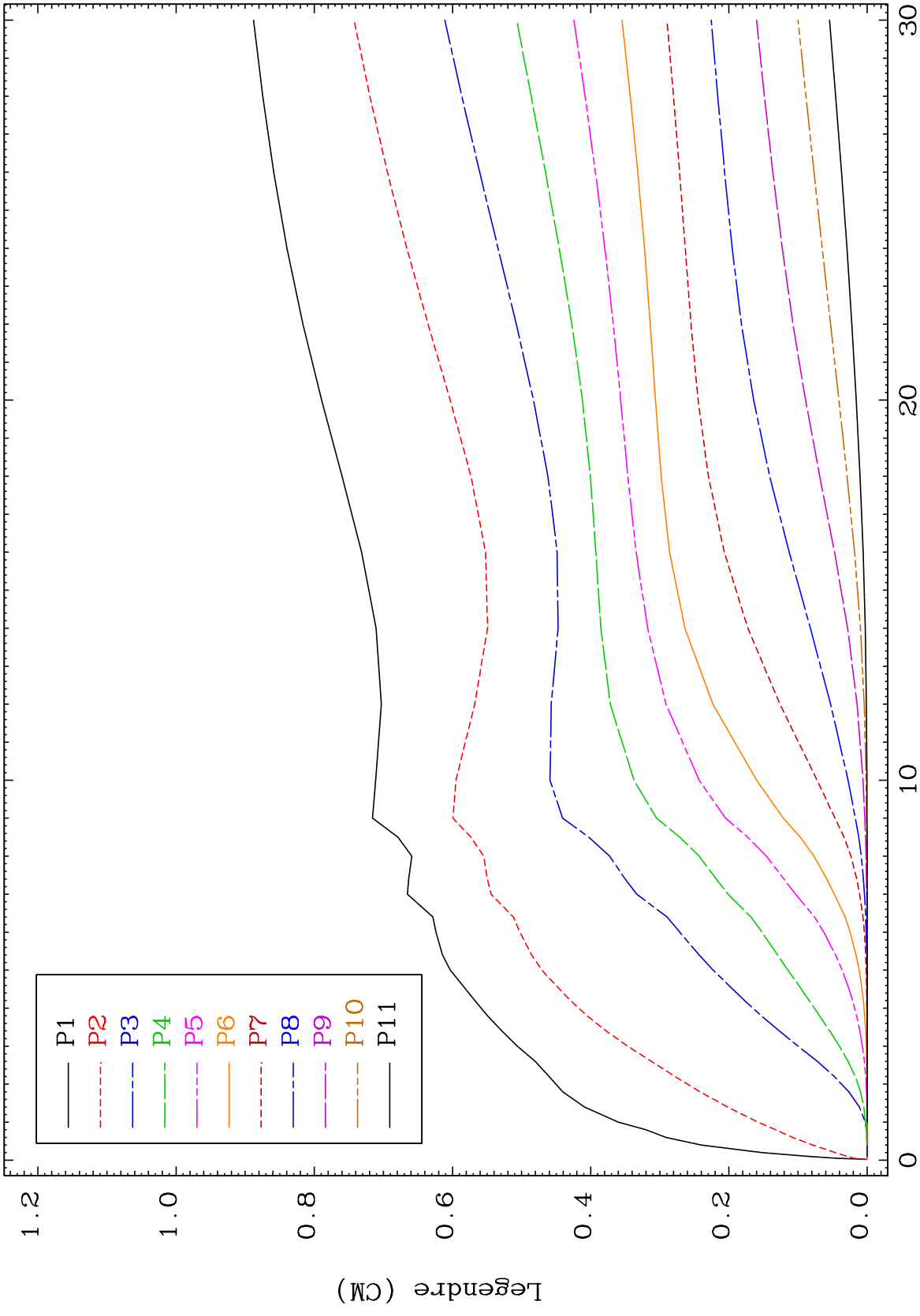


- Kerma total (eV-barns)
- - - Kerma elastic
- . - Kerma non-elastic (all but mt2)
- - - Kerma inelastic (mt51-91)
- . - Kerma capture (mt102)
- Total photon (eV-barns)
- - - Total kinematic kerma (high limit)
- . - Dpa total (eV-barns)
- - - Dpa elastic (mt2)
- . - Dpa inelastic (mt51-91)
- Dpa disappearance (mt102 -120)

MAT 1543

Elastic Legendre Coefficients

15-P -37



13

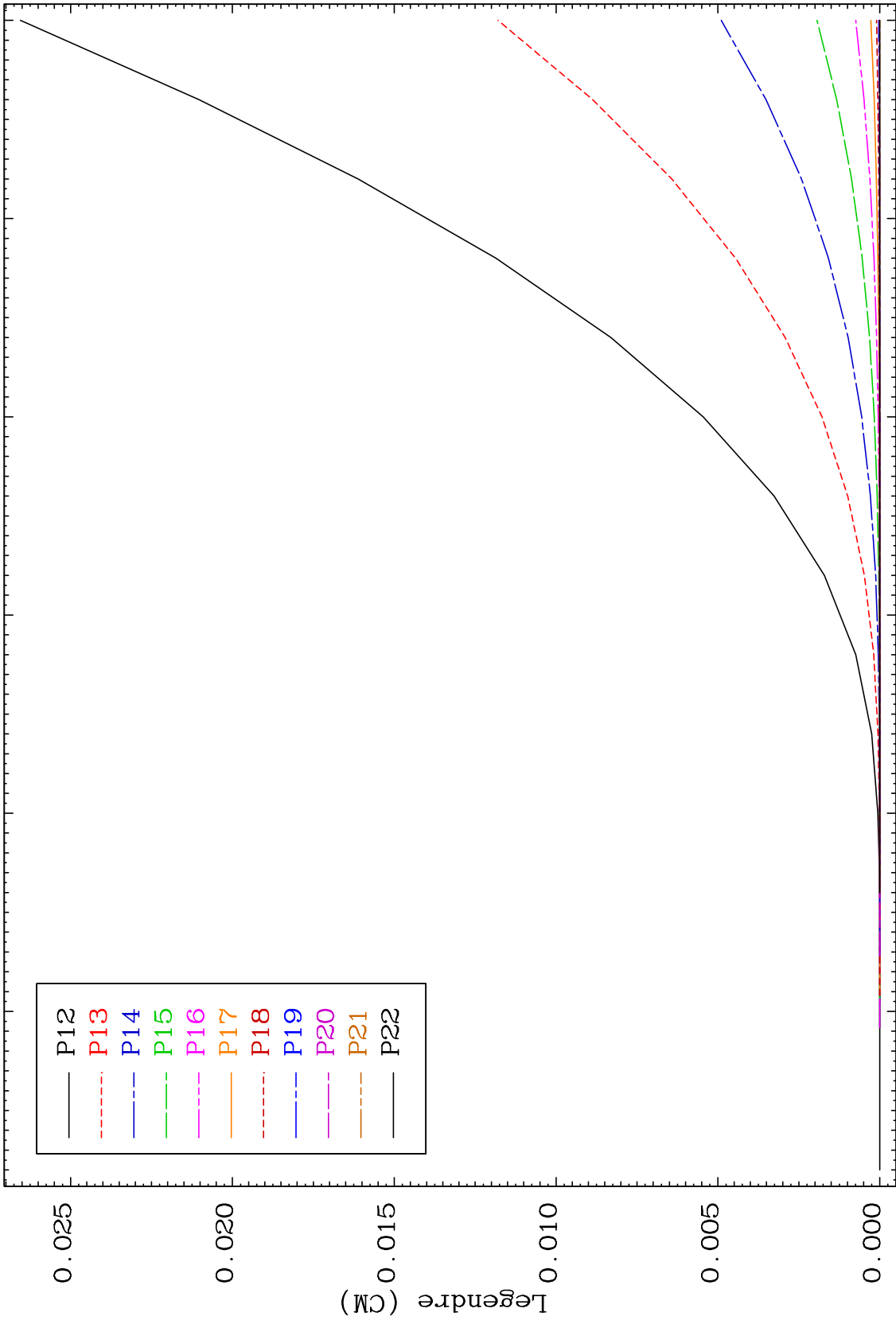
Incident Energy (MeV)

15-P -37

MAT 1543

Elastic Legendre Coefficients

15-P -37



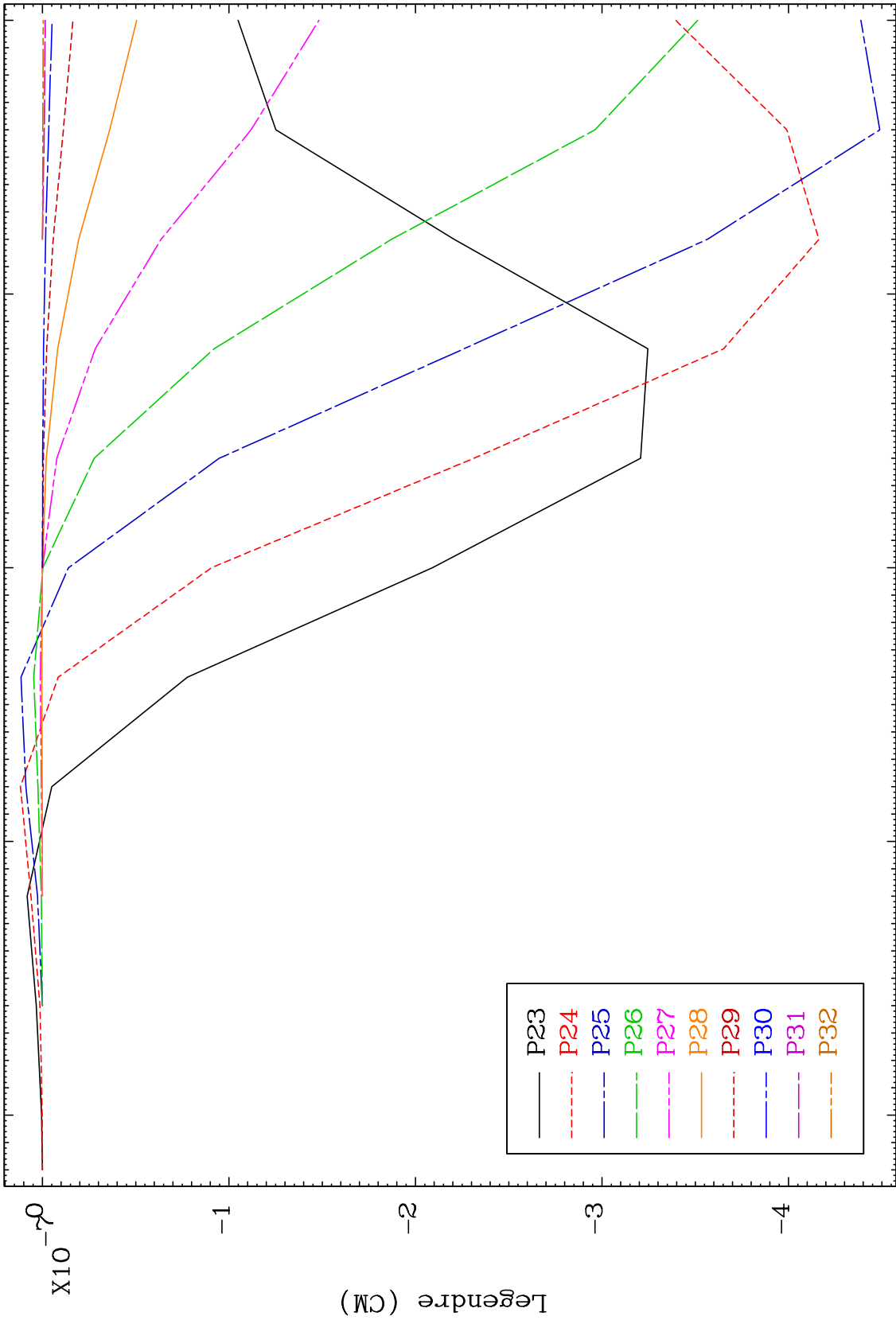
14

15-P -37

MAT 1543

Elastic Legendre Coefficients

15-P -37



X10⁻¹⁰

Legendre (CM)

10 15 20 25 30

15

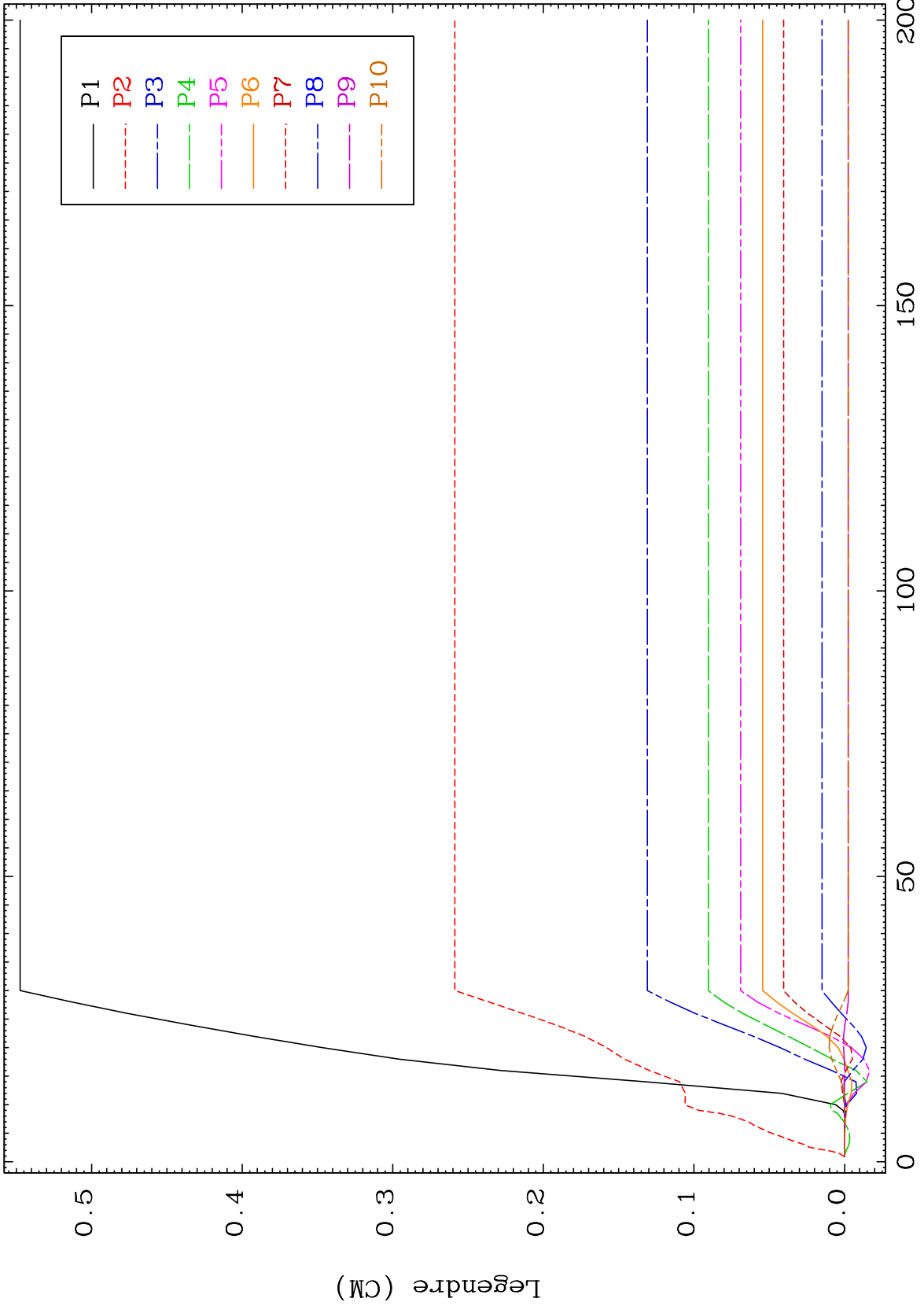
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



16

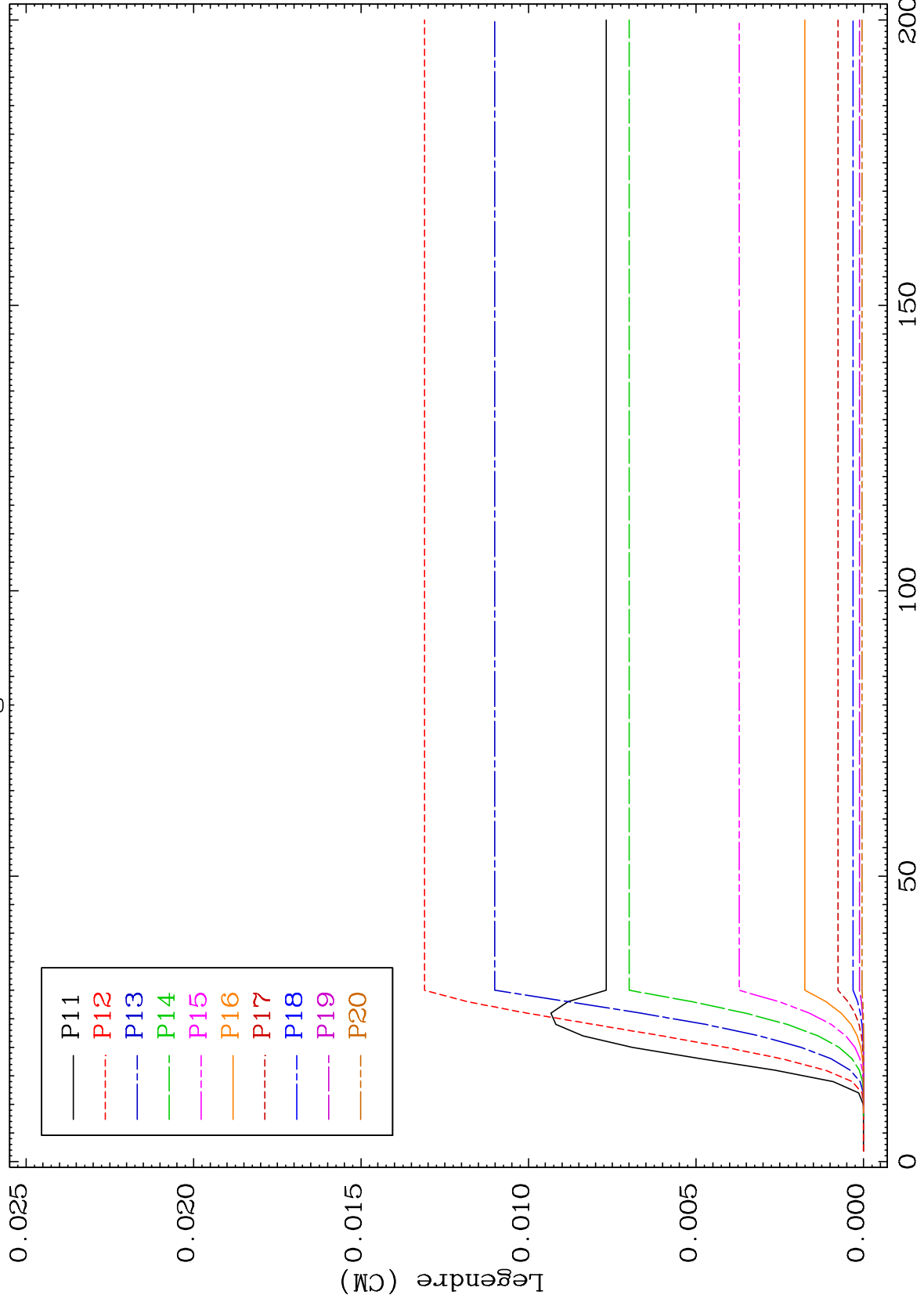
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



17

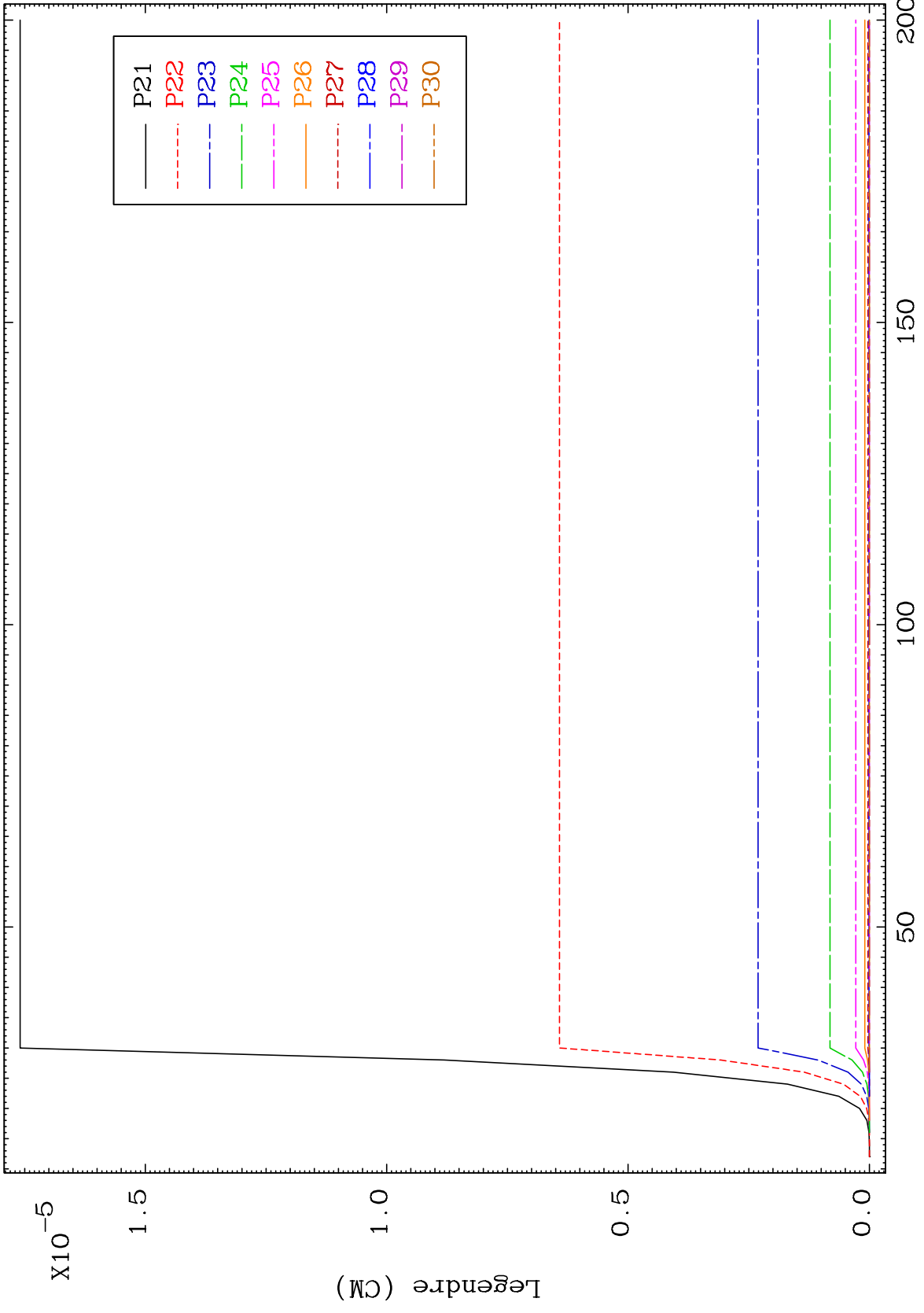
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



18

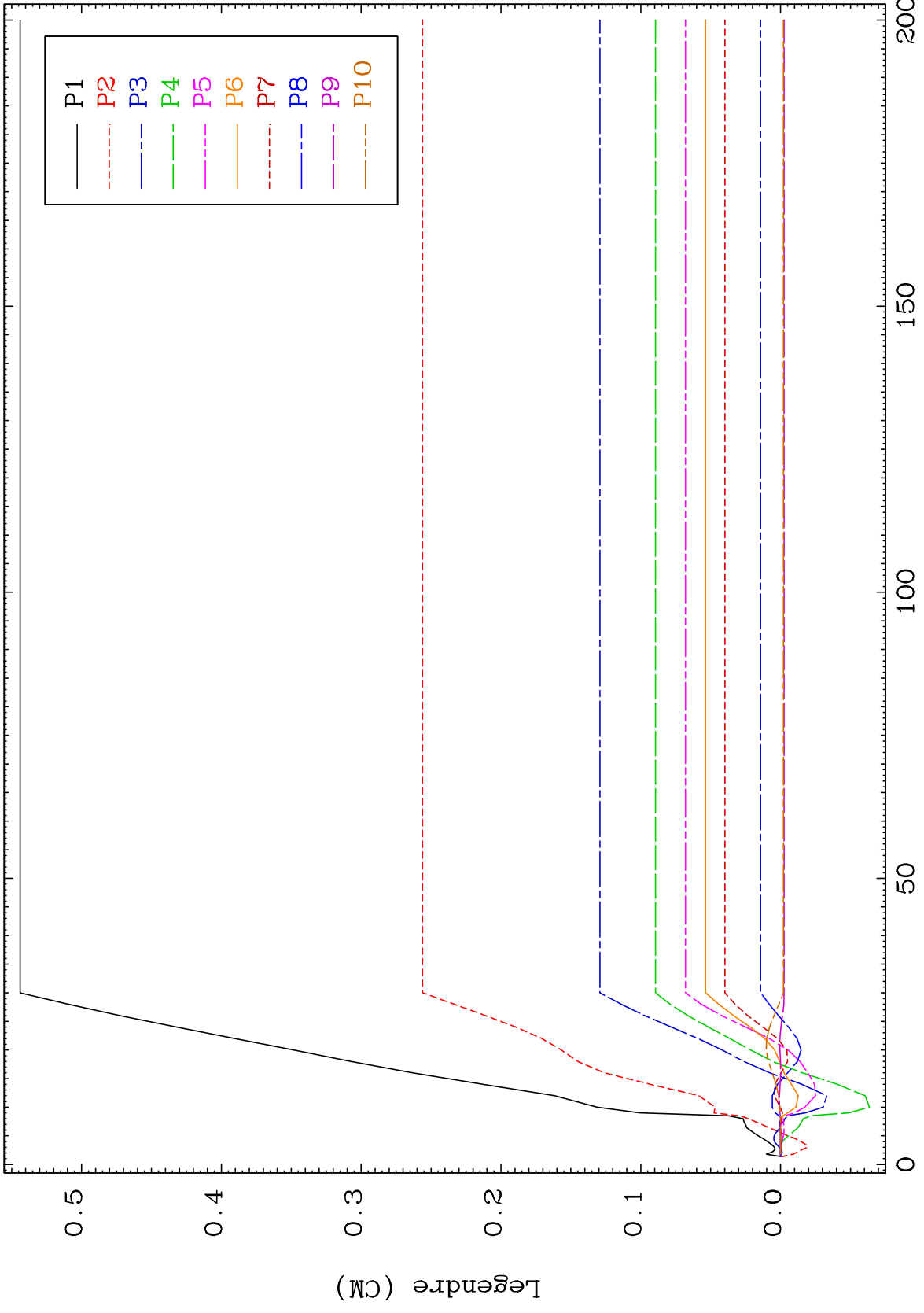
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



19

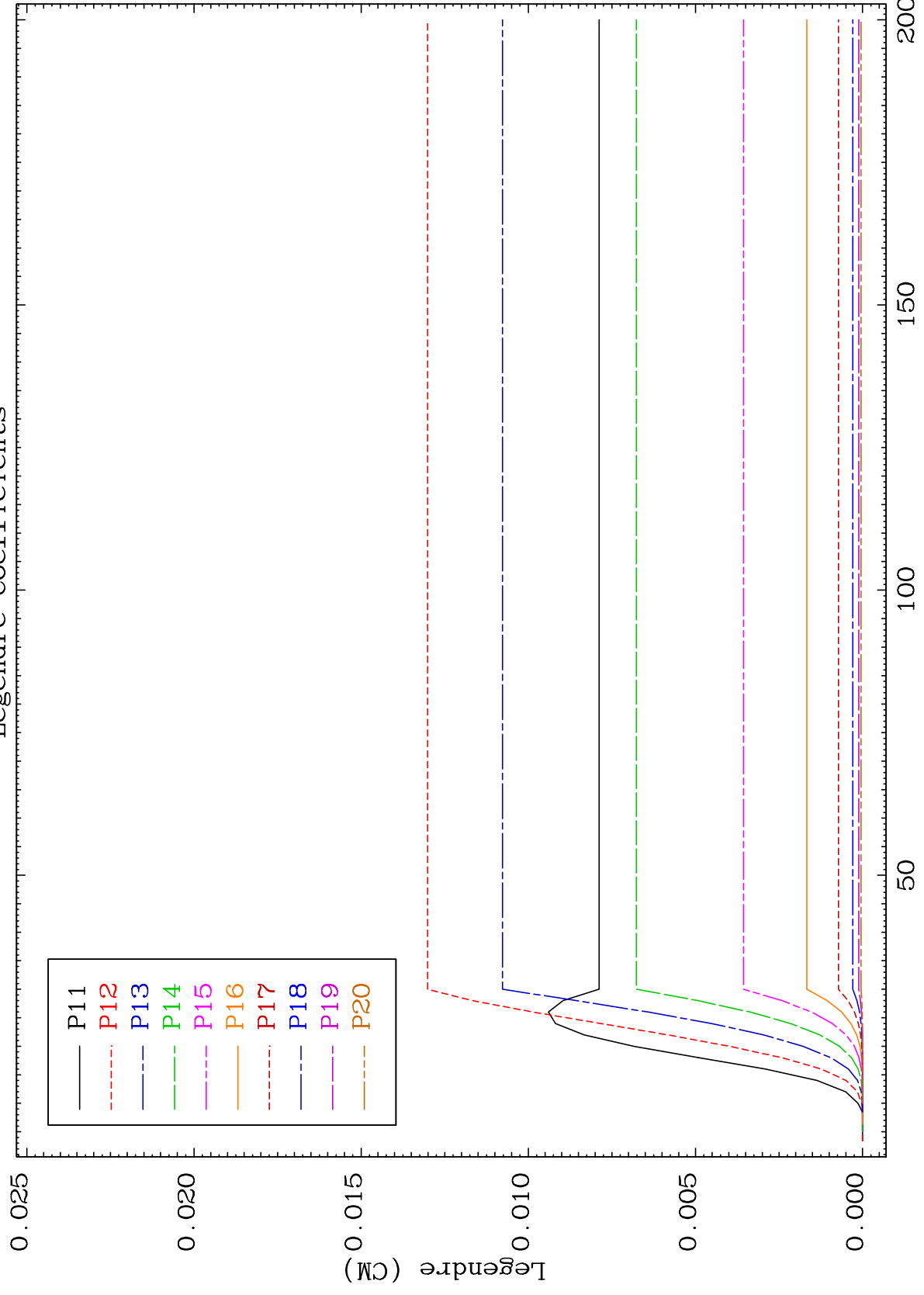
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



20

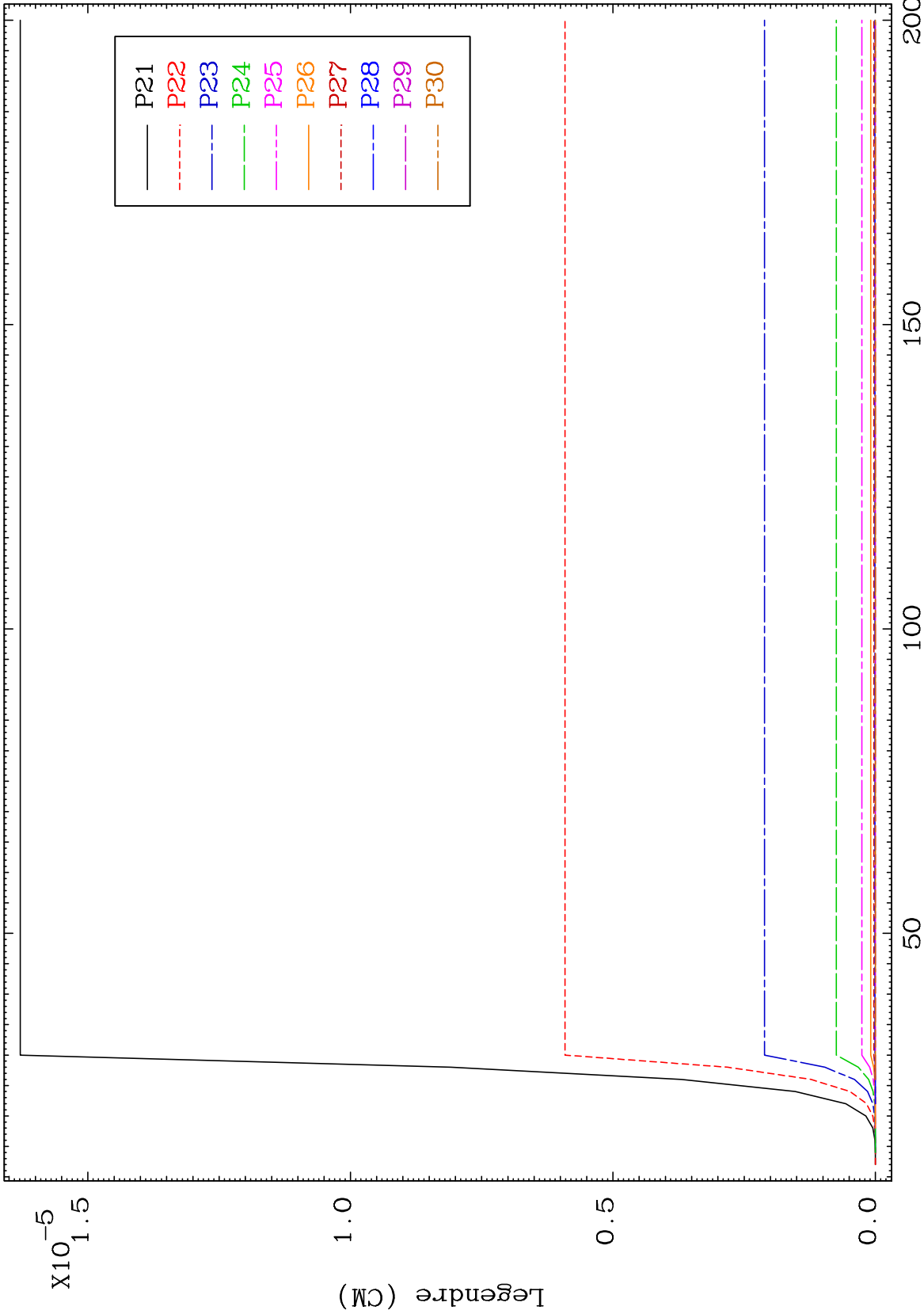
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



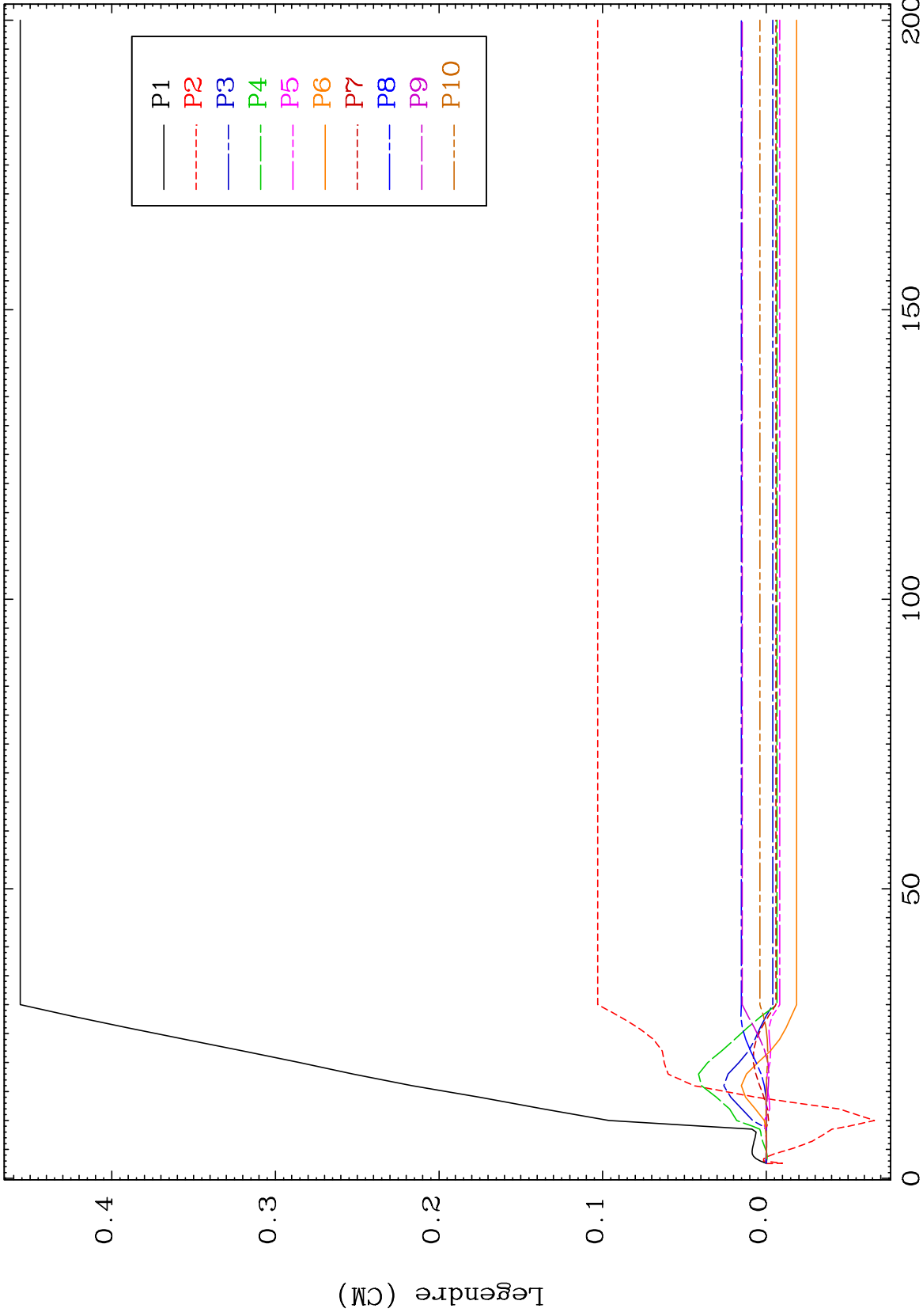
21

15-P -37

MAT 1543

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

15-P -37



22

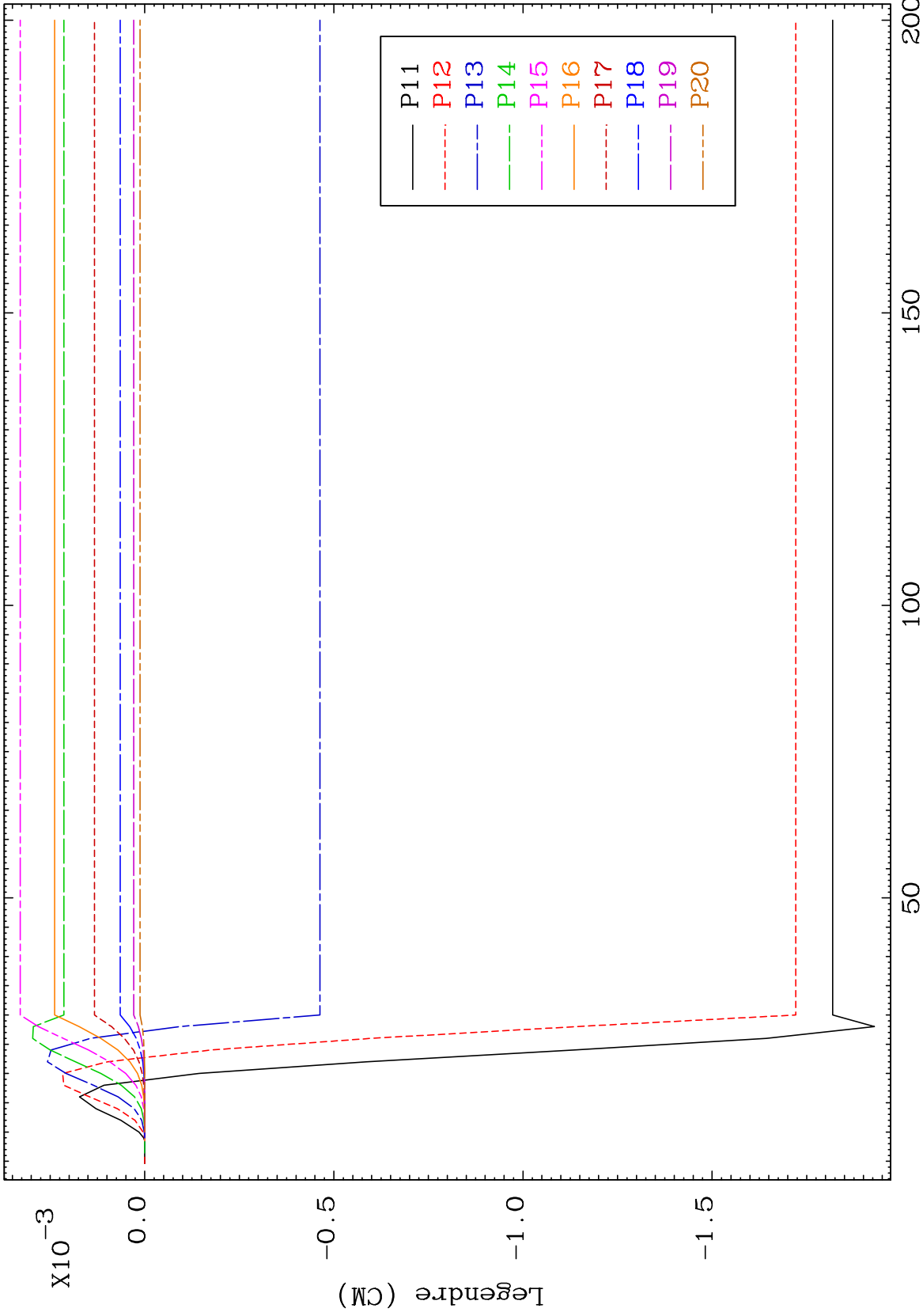
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



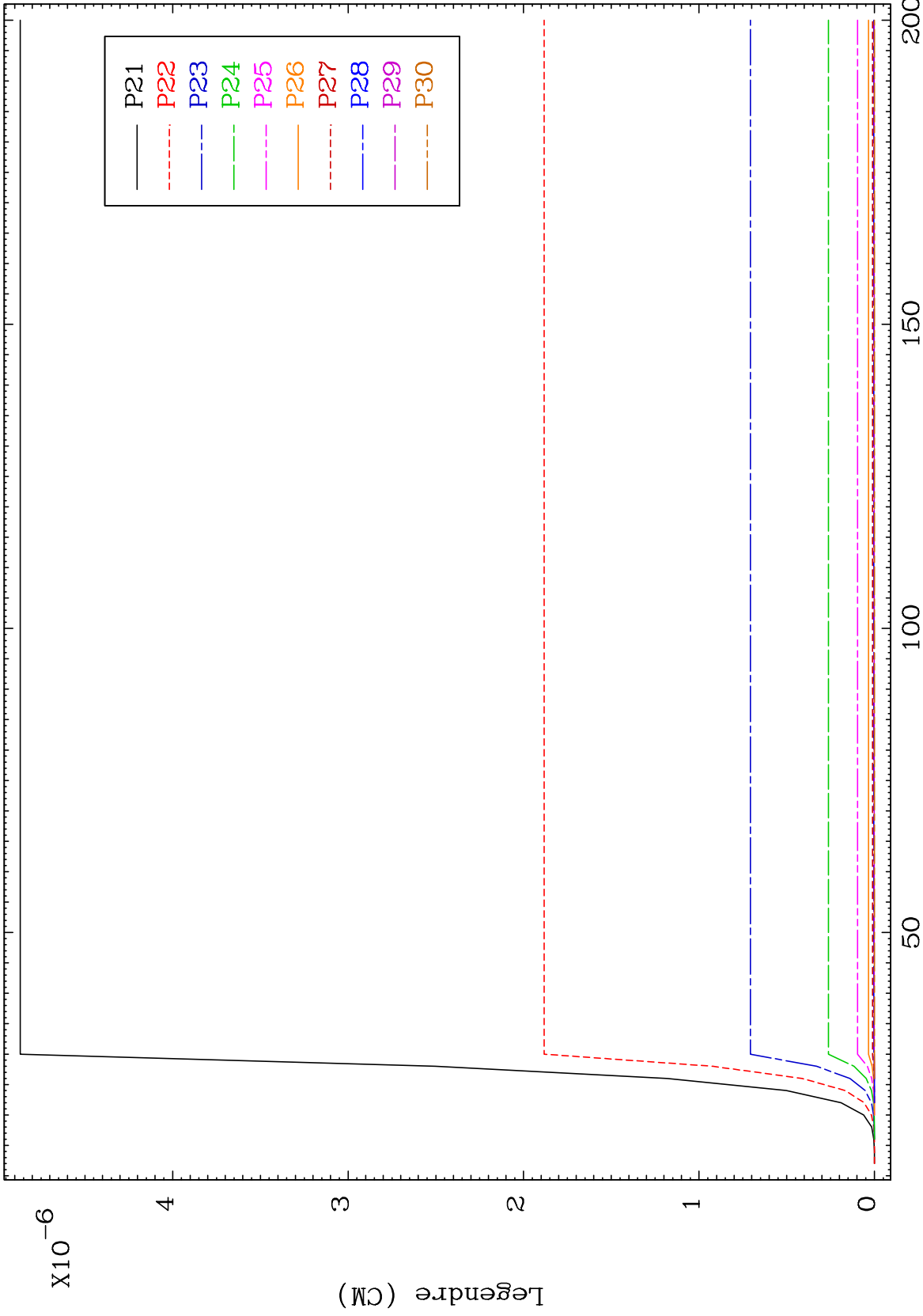
23

15-P -37

MAT 1543

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

15-P -37



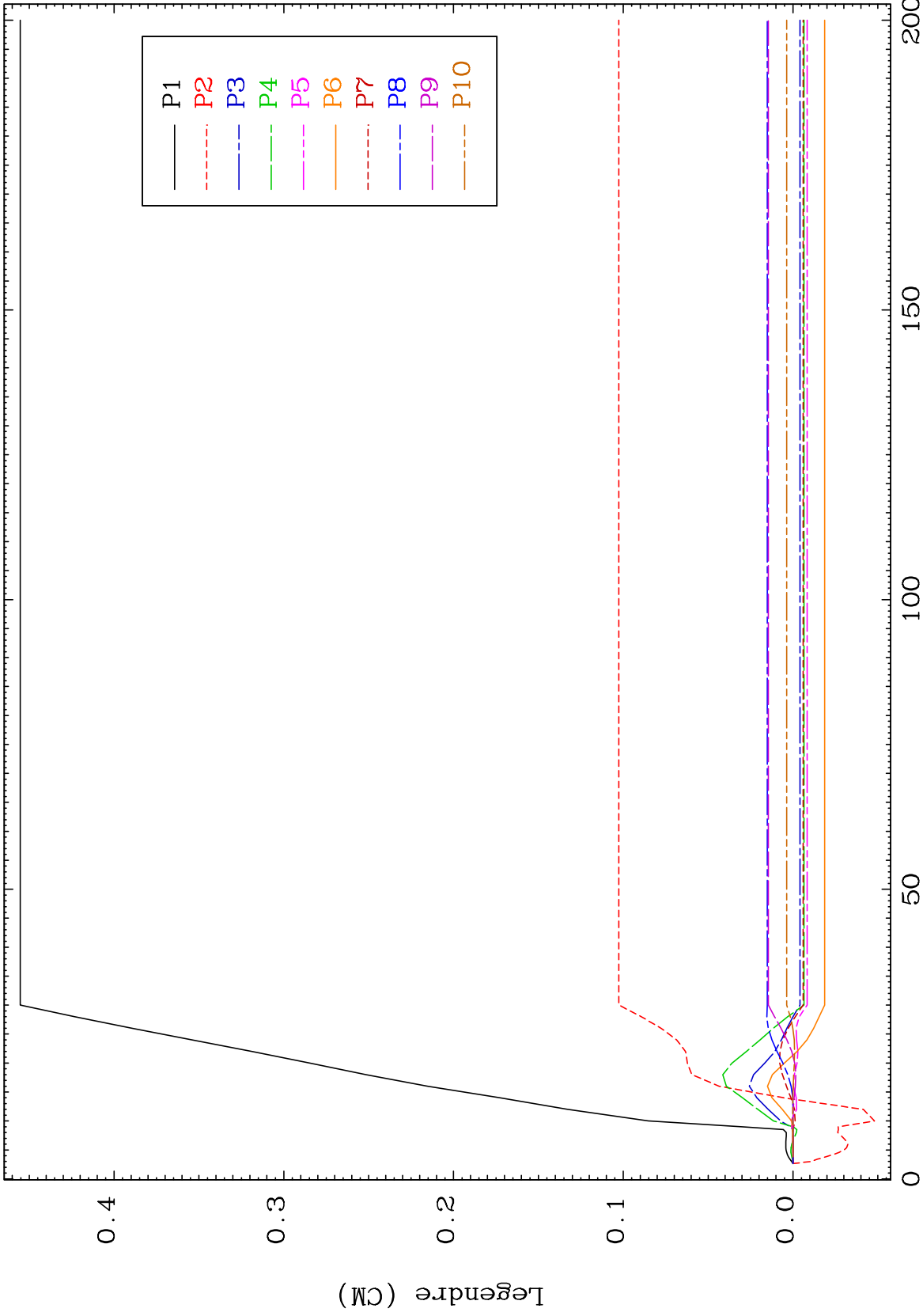
24

15-P -37

MAT 1543

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

15-P -37



25

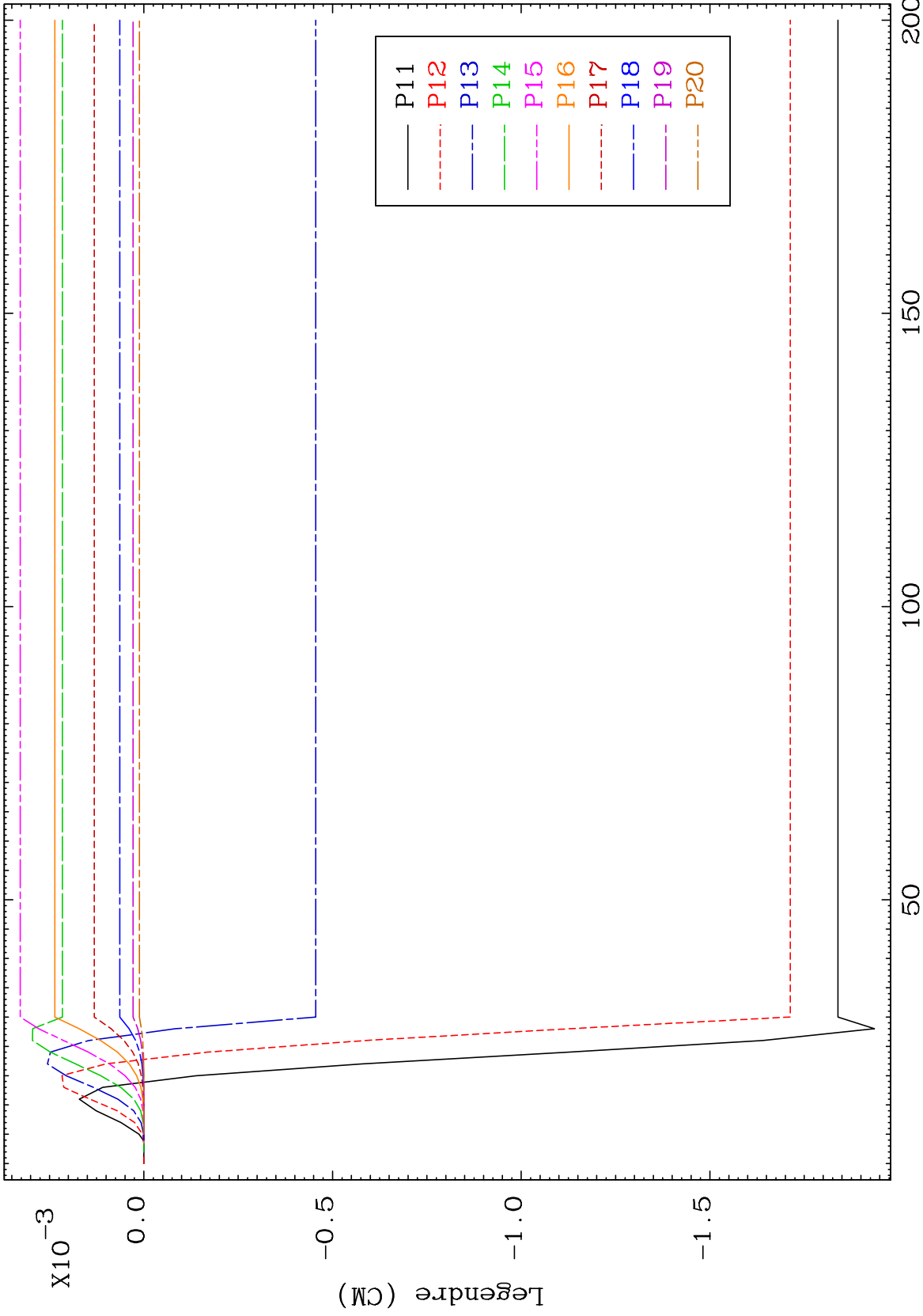
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



26

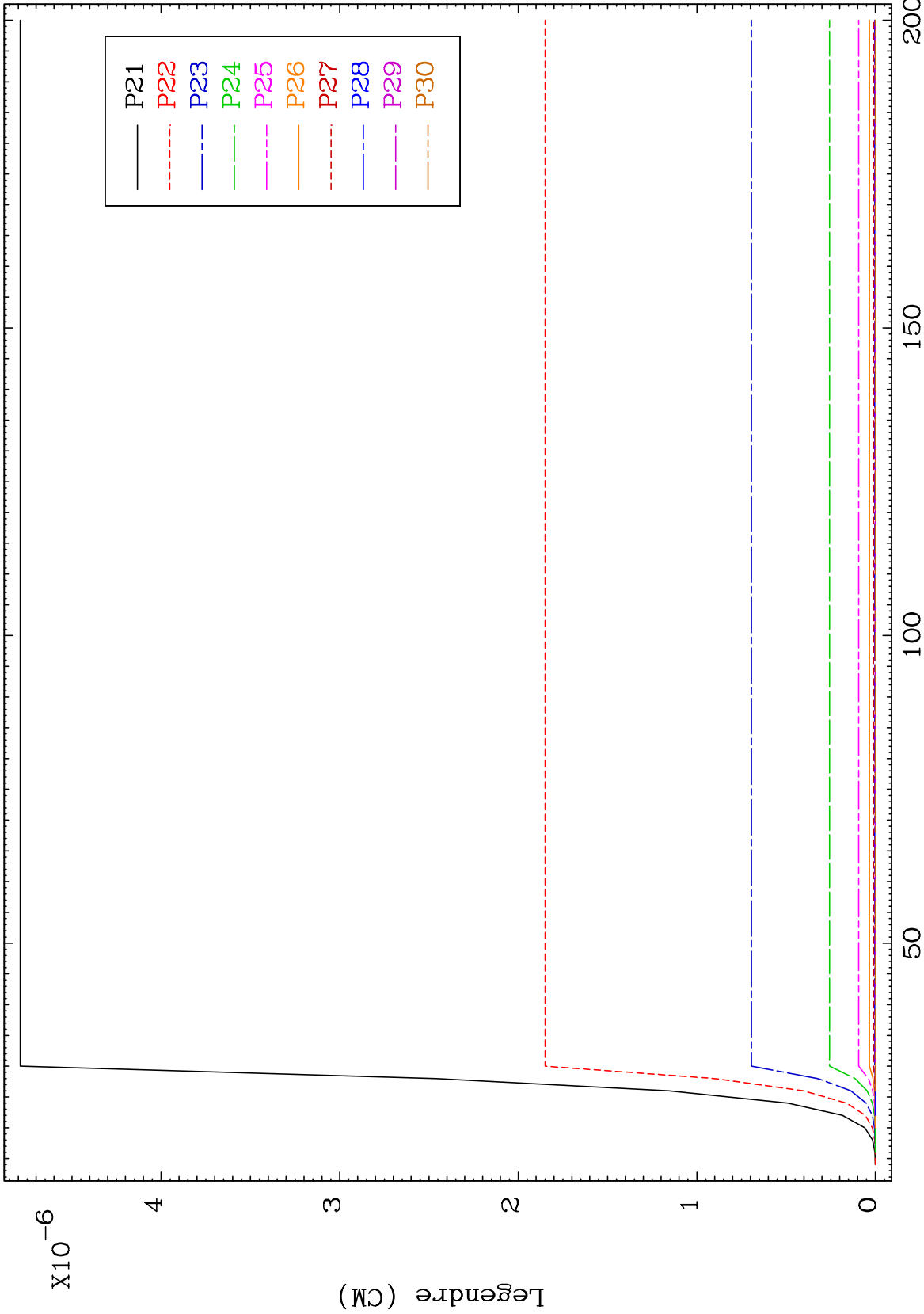
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



27

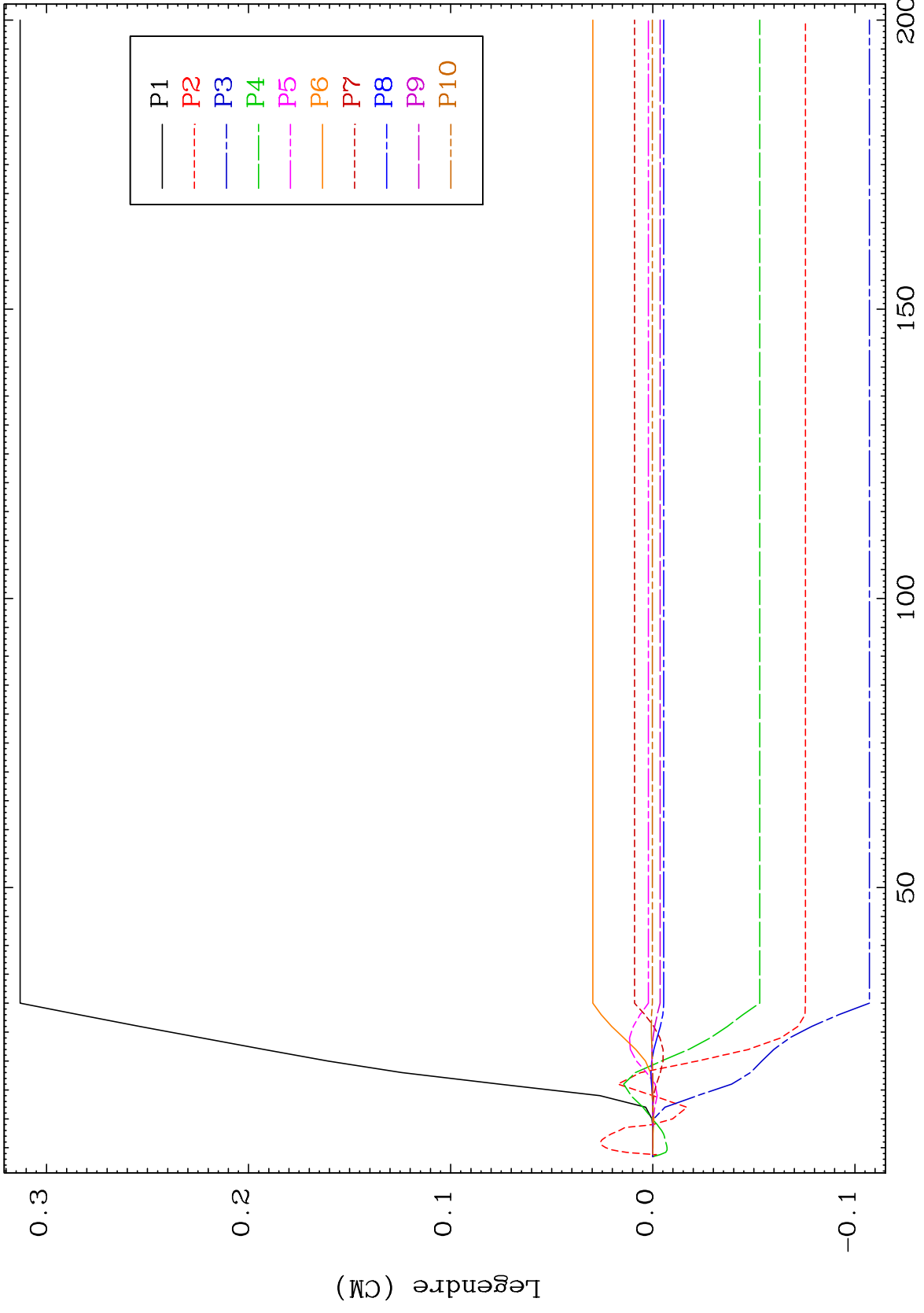
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



28

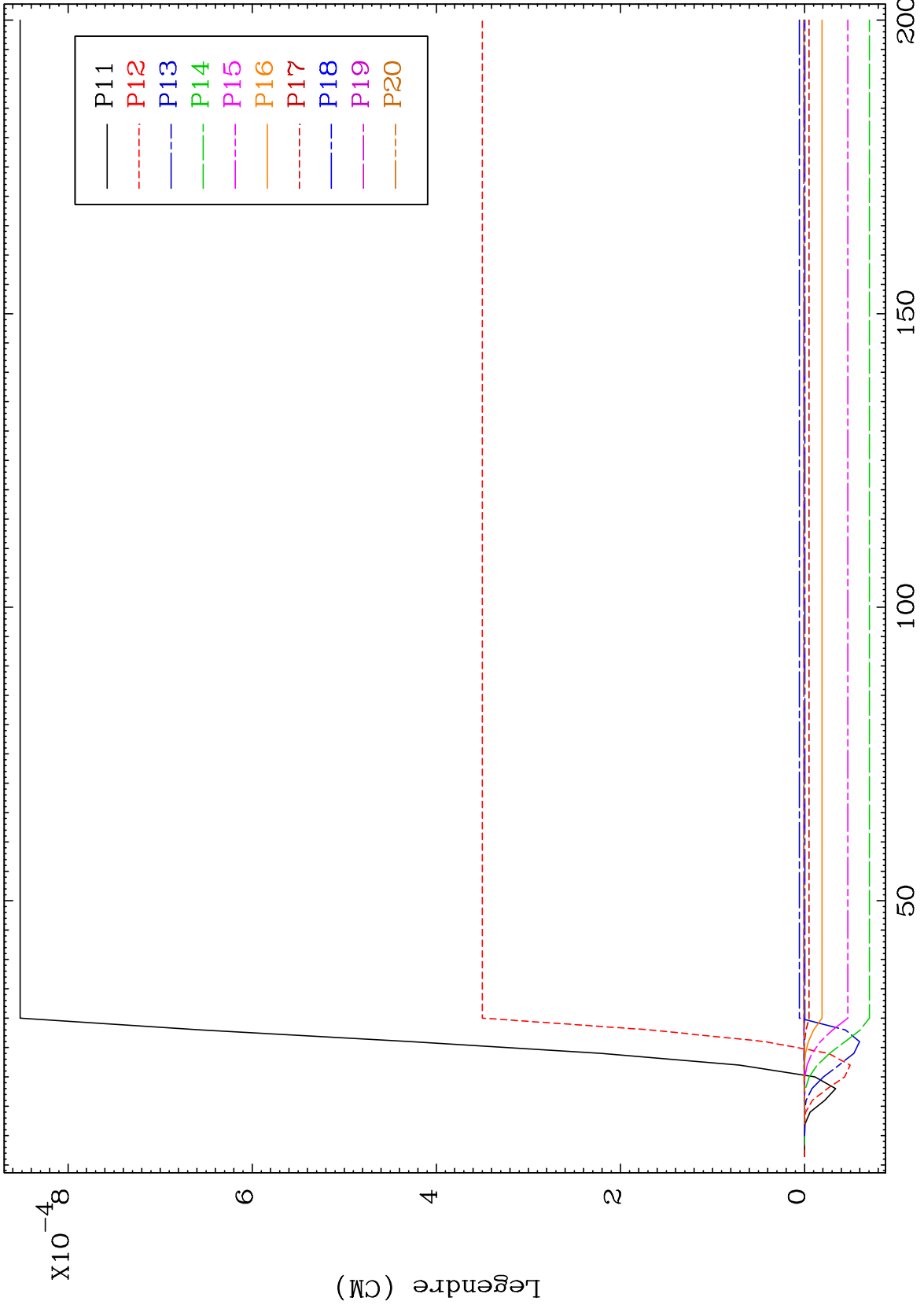
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



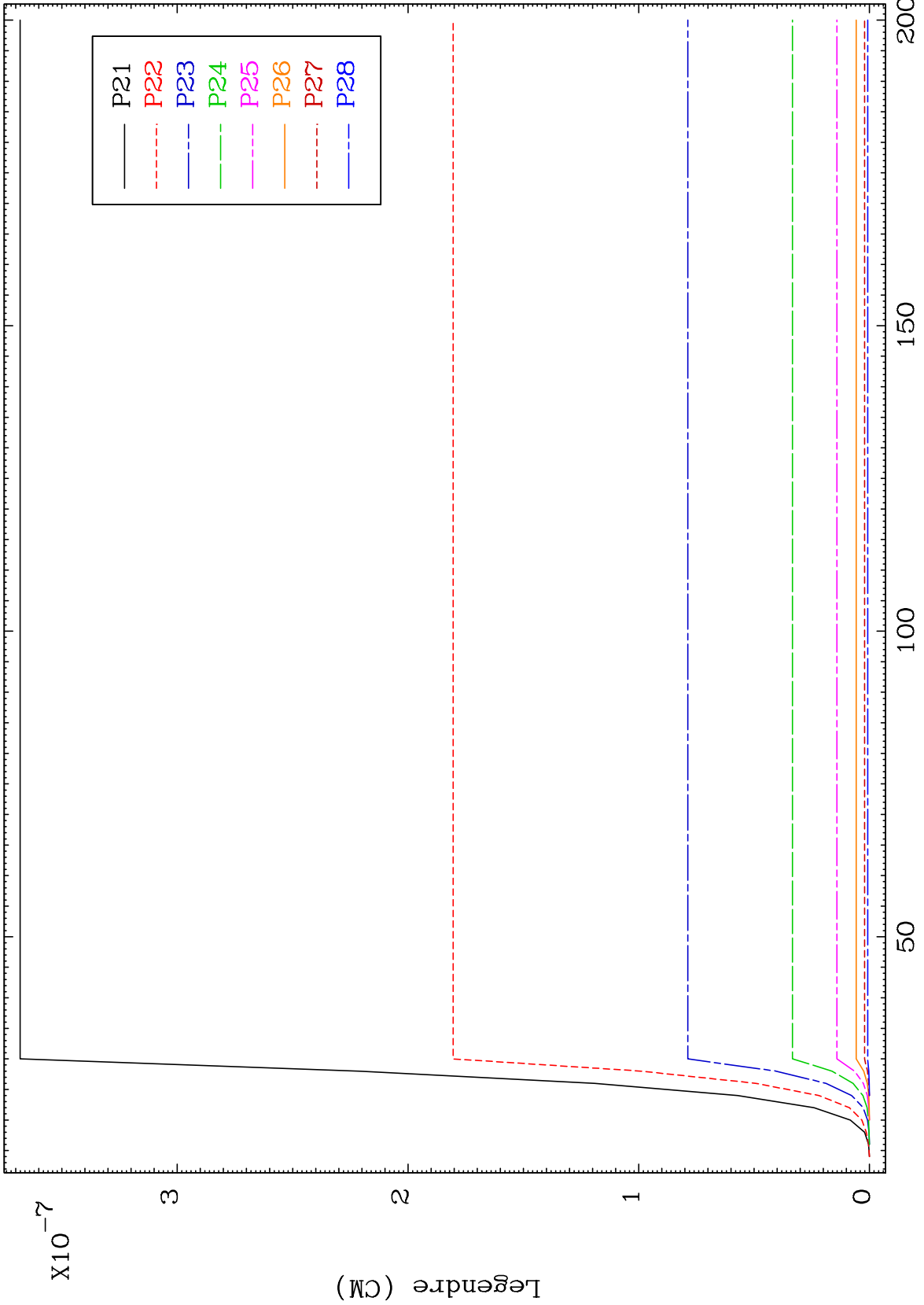
29

15-P -37

MAT 1543

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

15-P -37



30

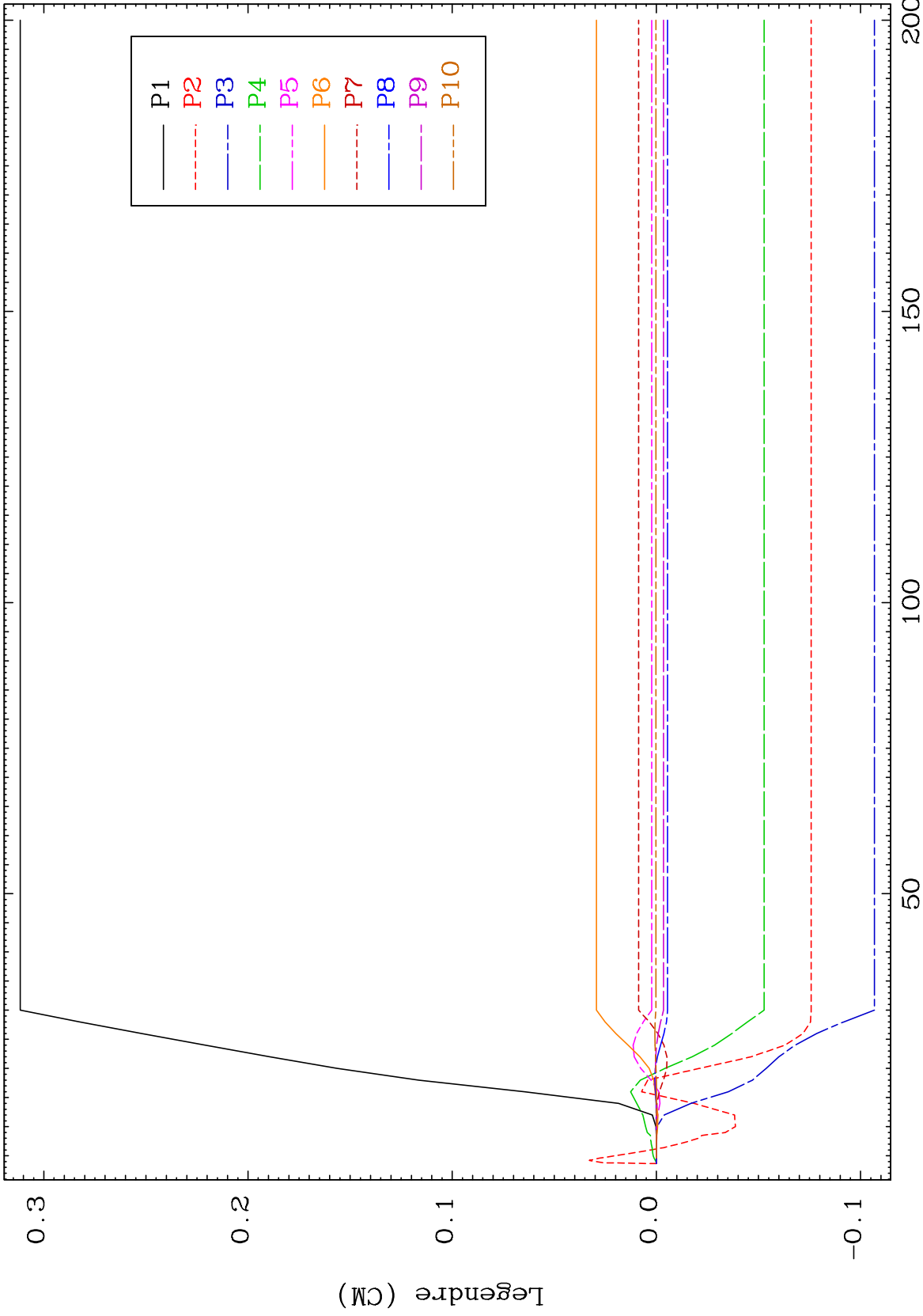
50

100

150

200

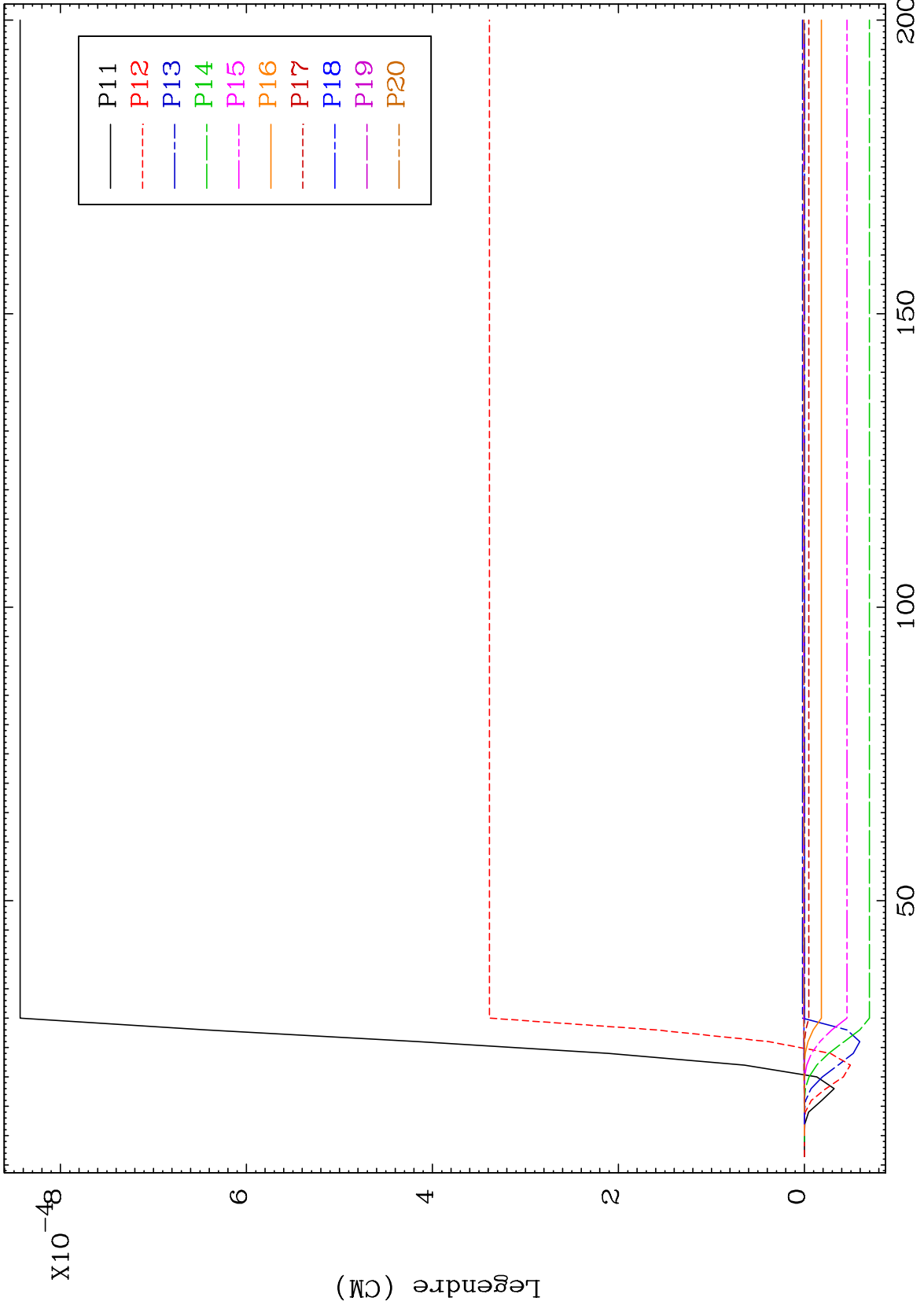
15-P -37



MAT 1543

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

15-P -37



32

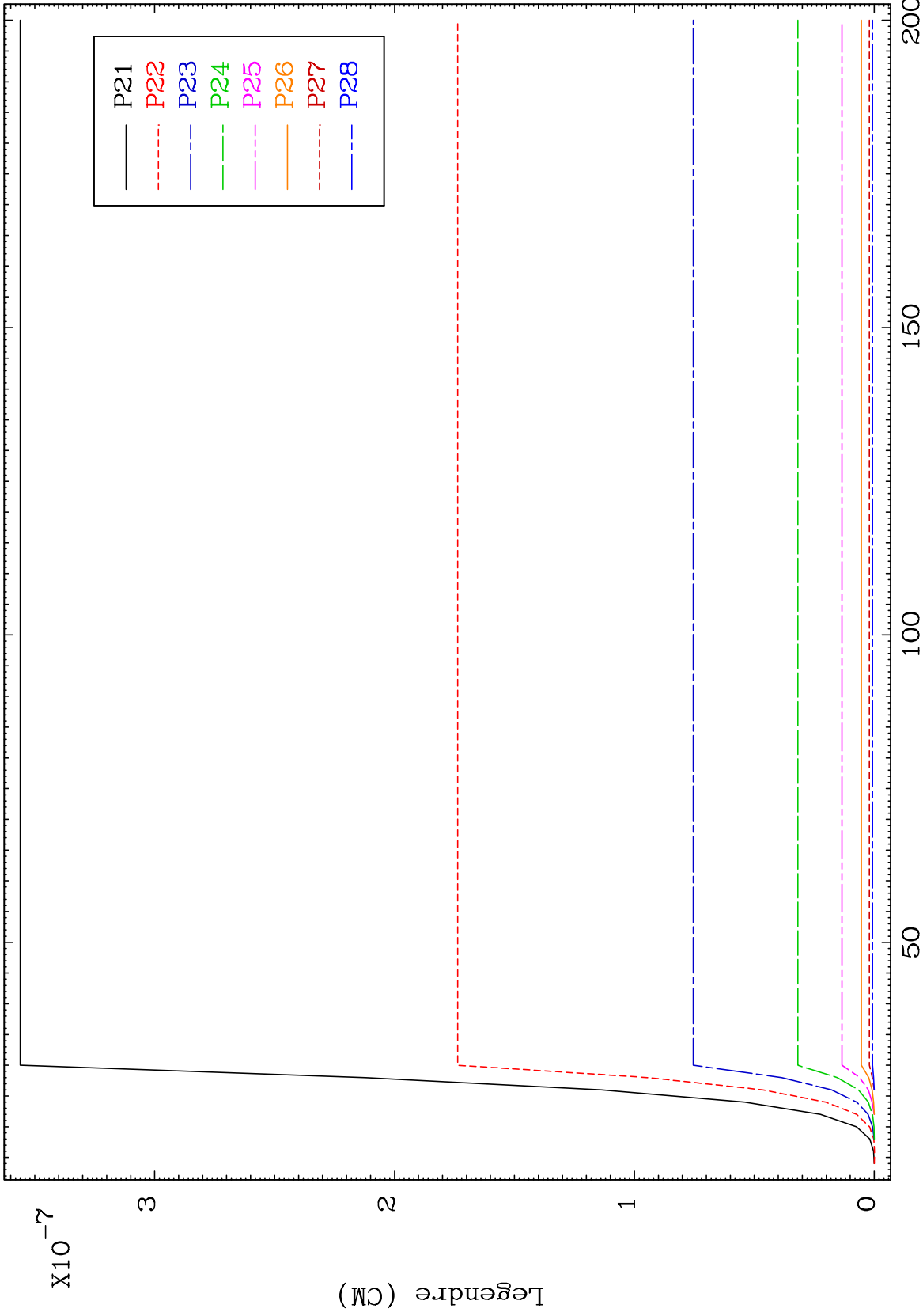
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



33

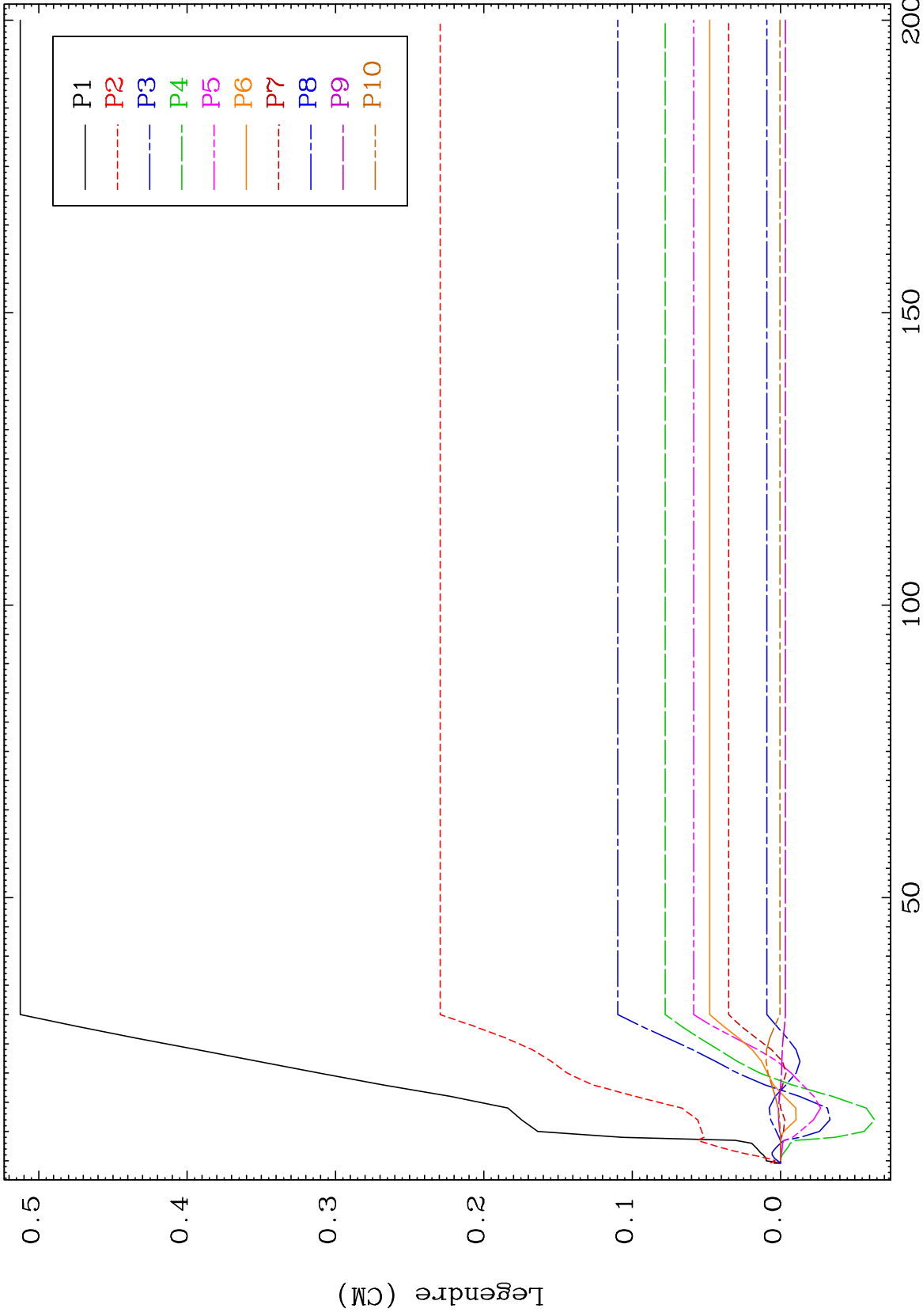
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



34

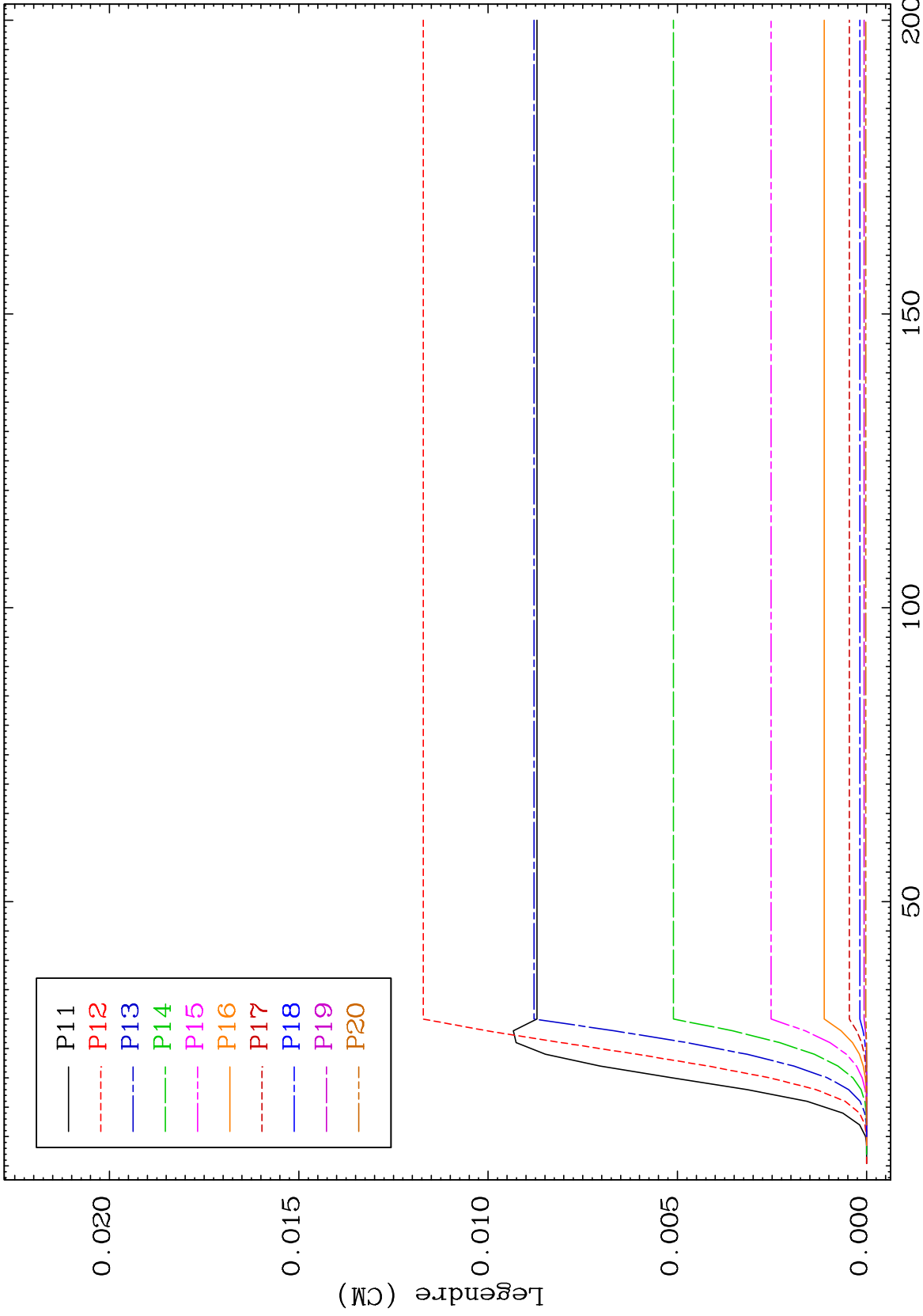
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



35

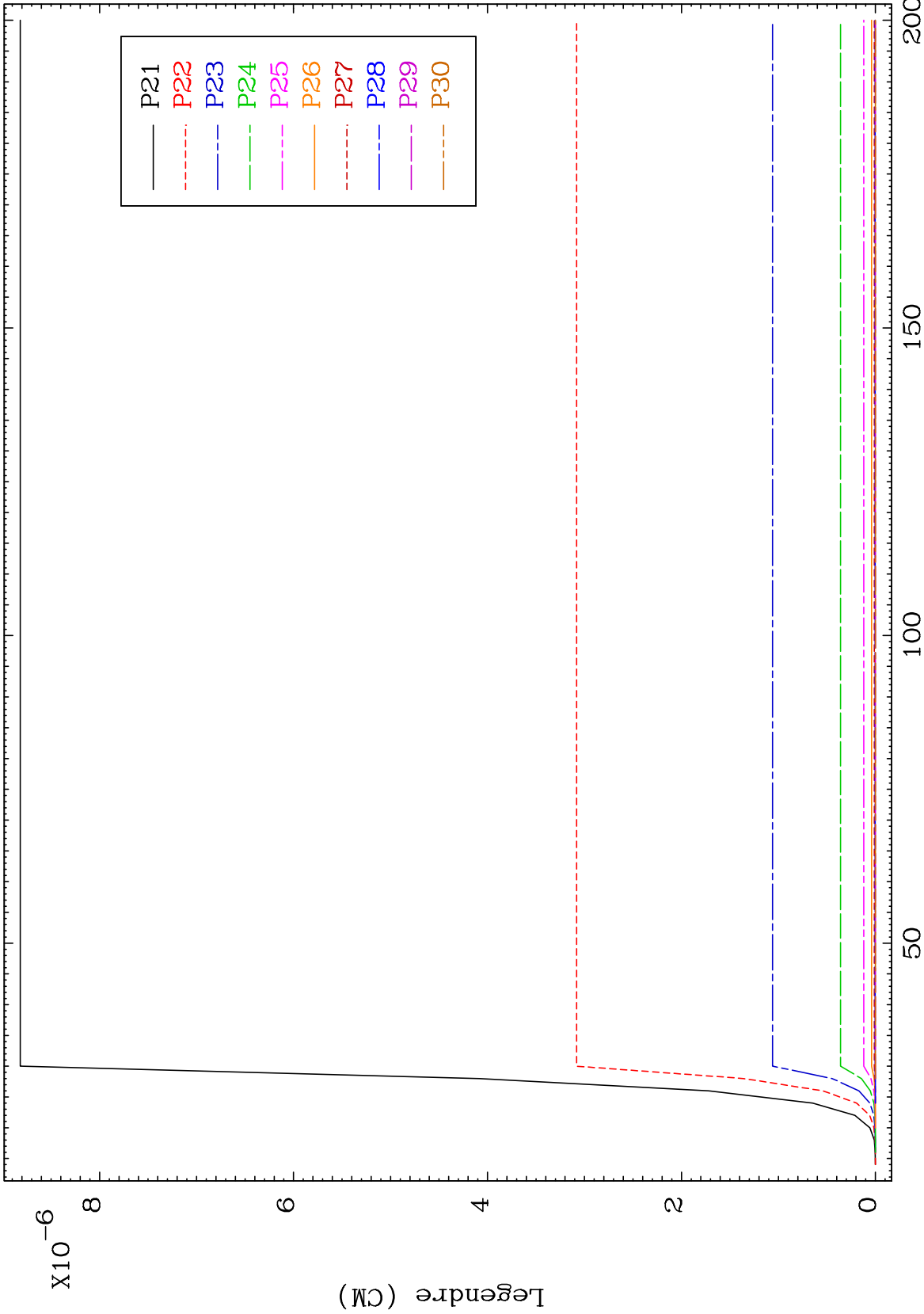
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37

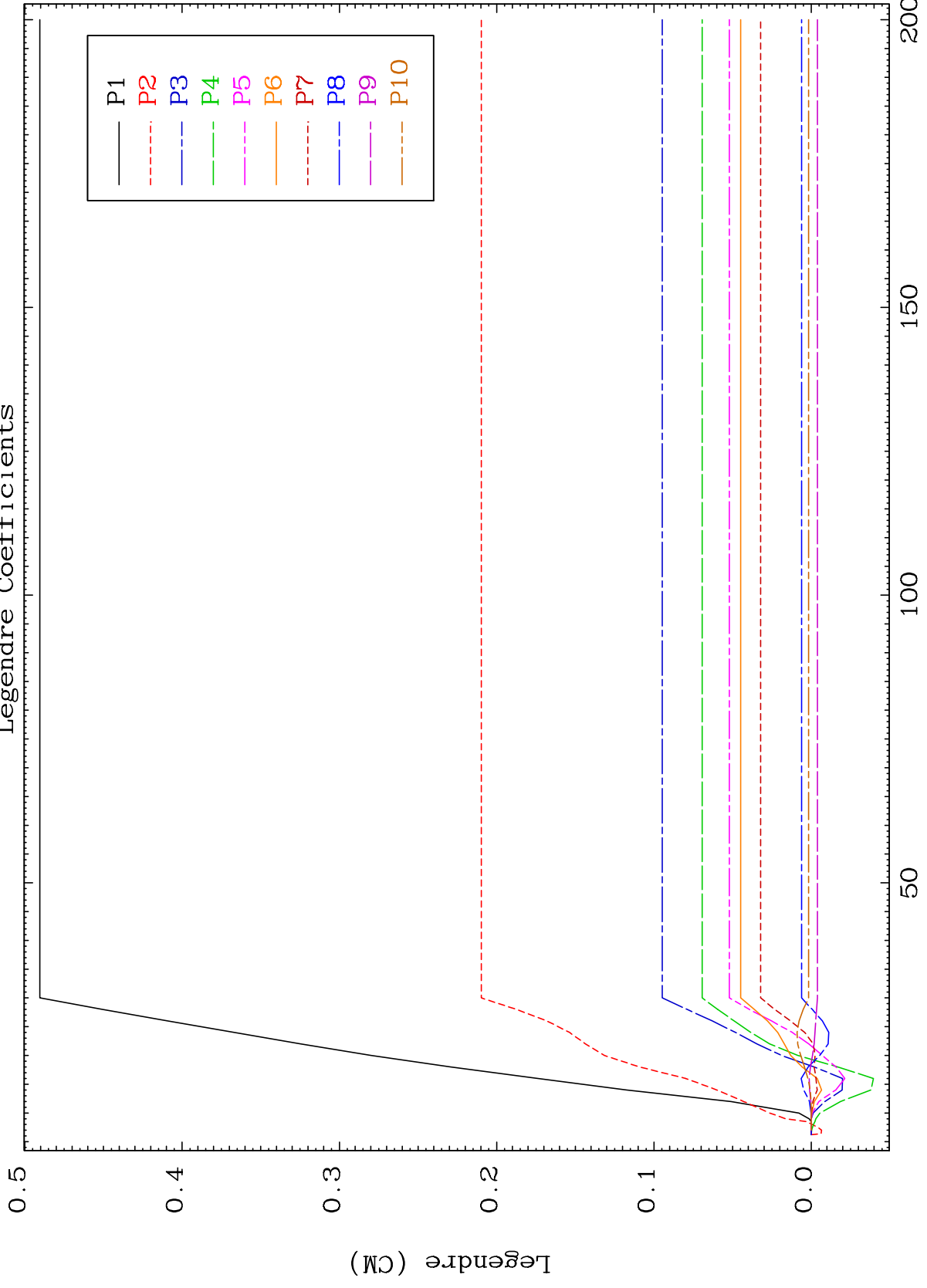


36

Incident Energy (MeV)

15-P -37

MAT 1543 MT= 58 (n,n') Level Legendre Coefficients 15-P -37

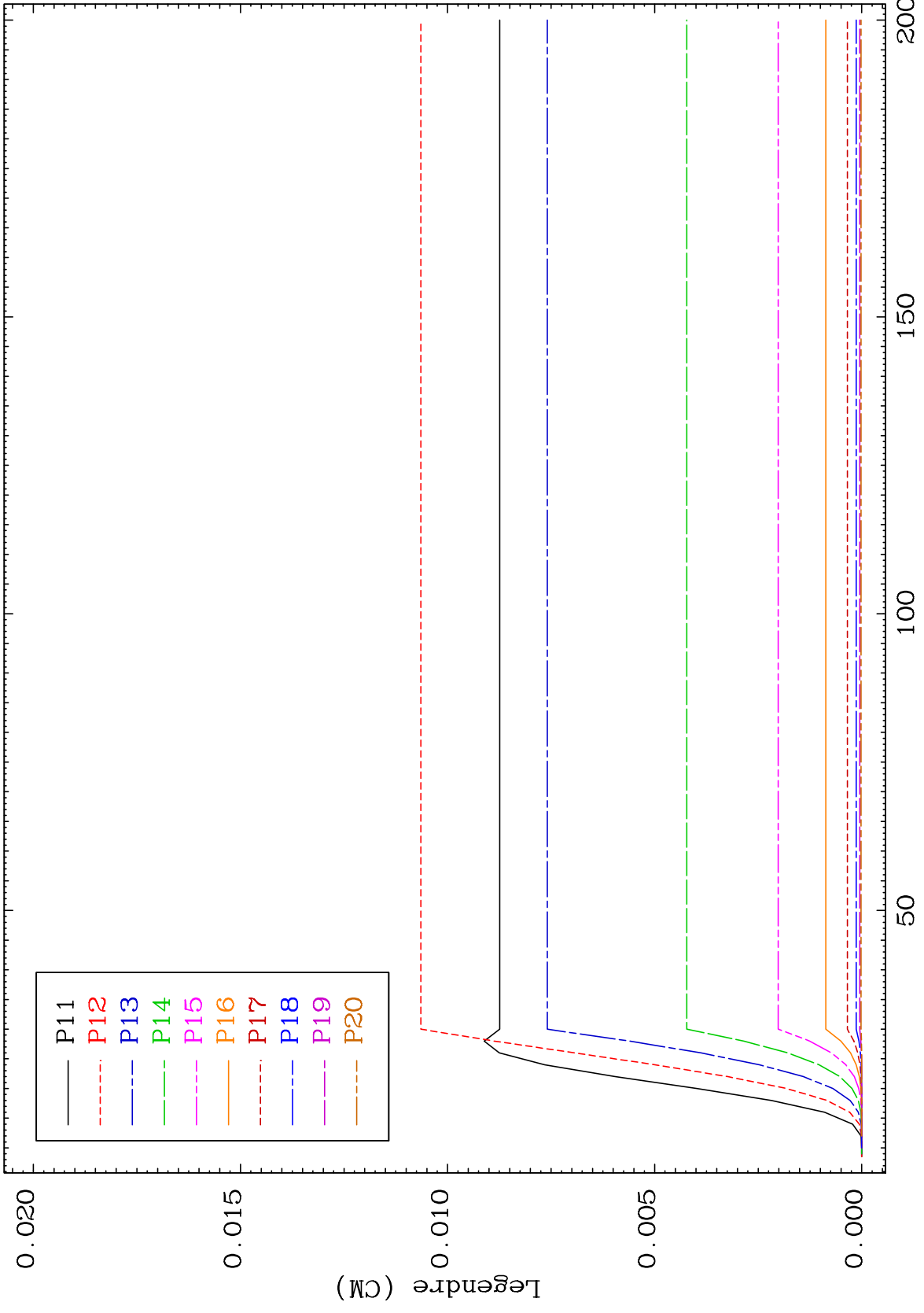


37 50 100 150 200 15-P -37

MAT 1543

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

15-P -37



38

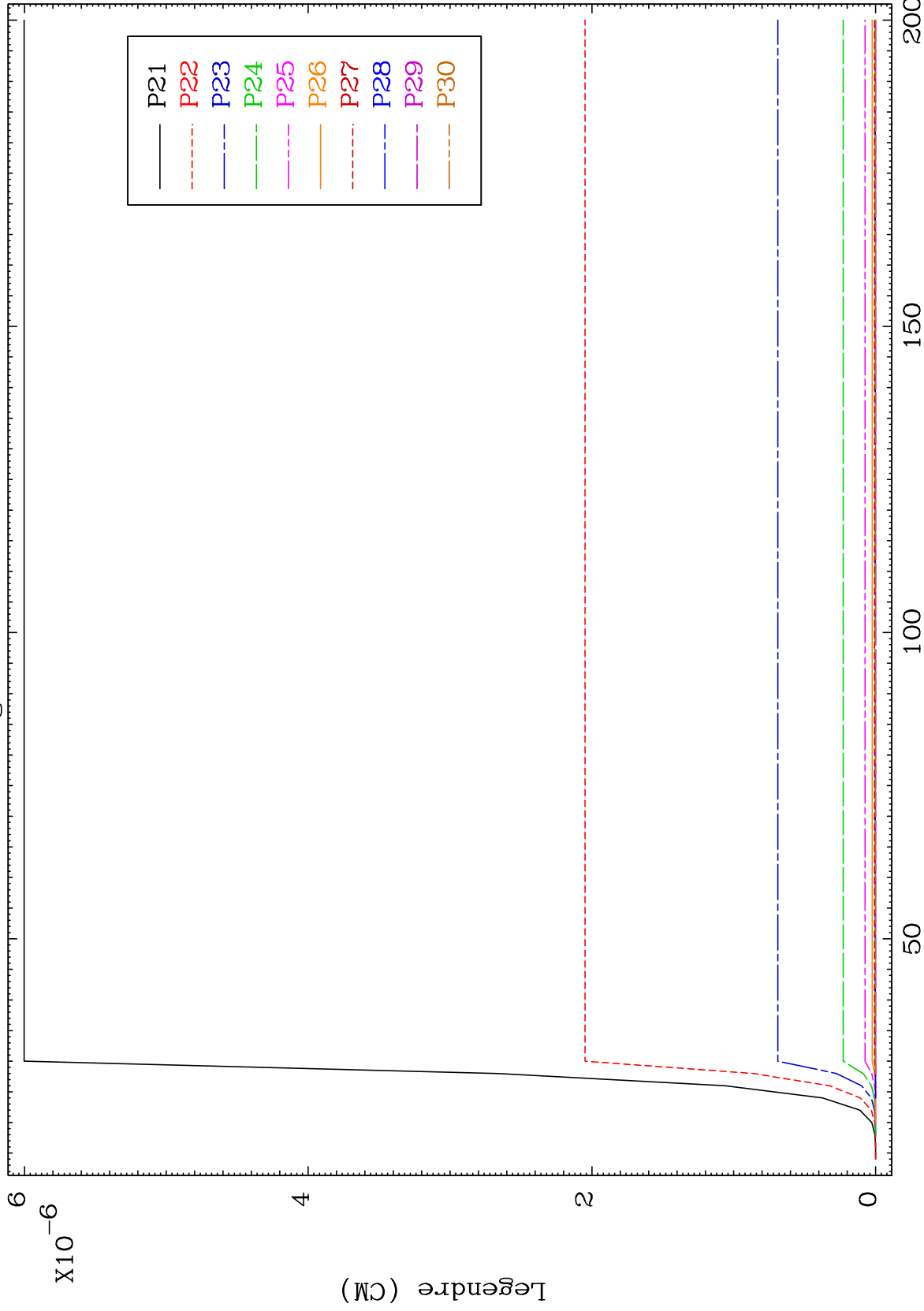
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



39

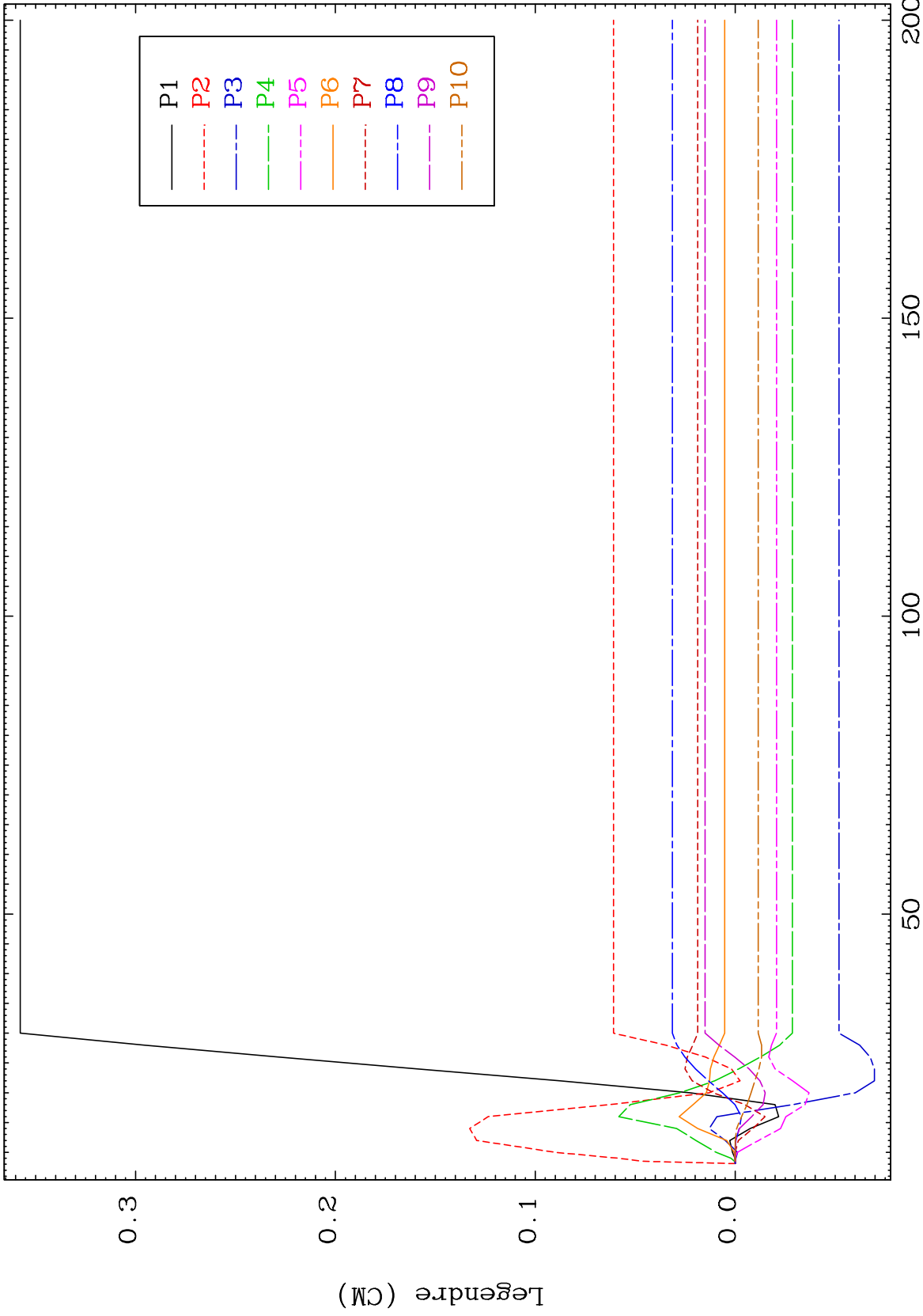
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



40

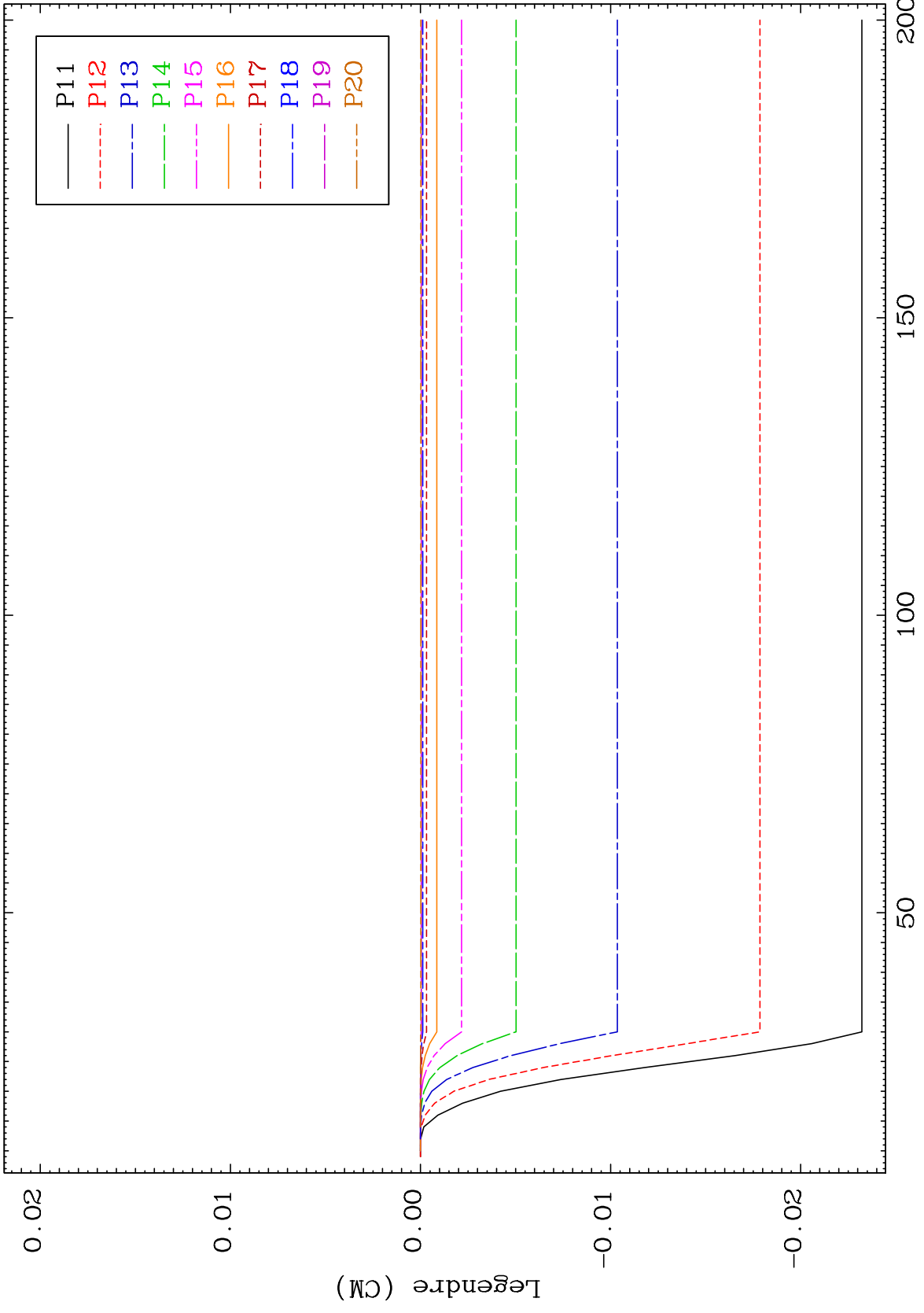
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37

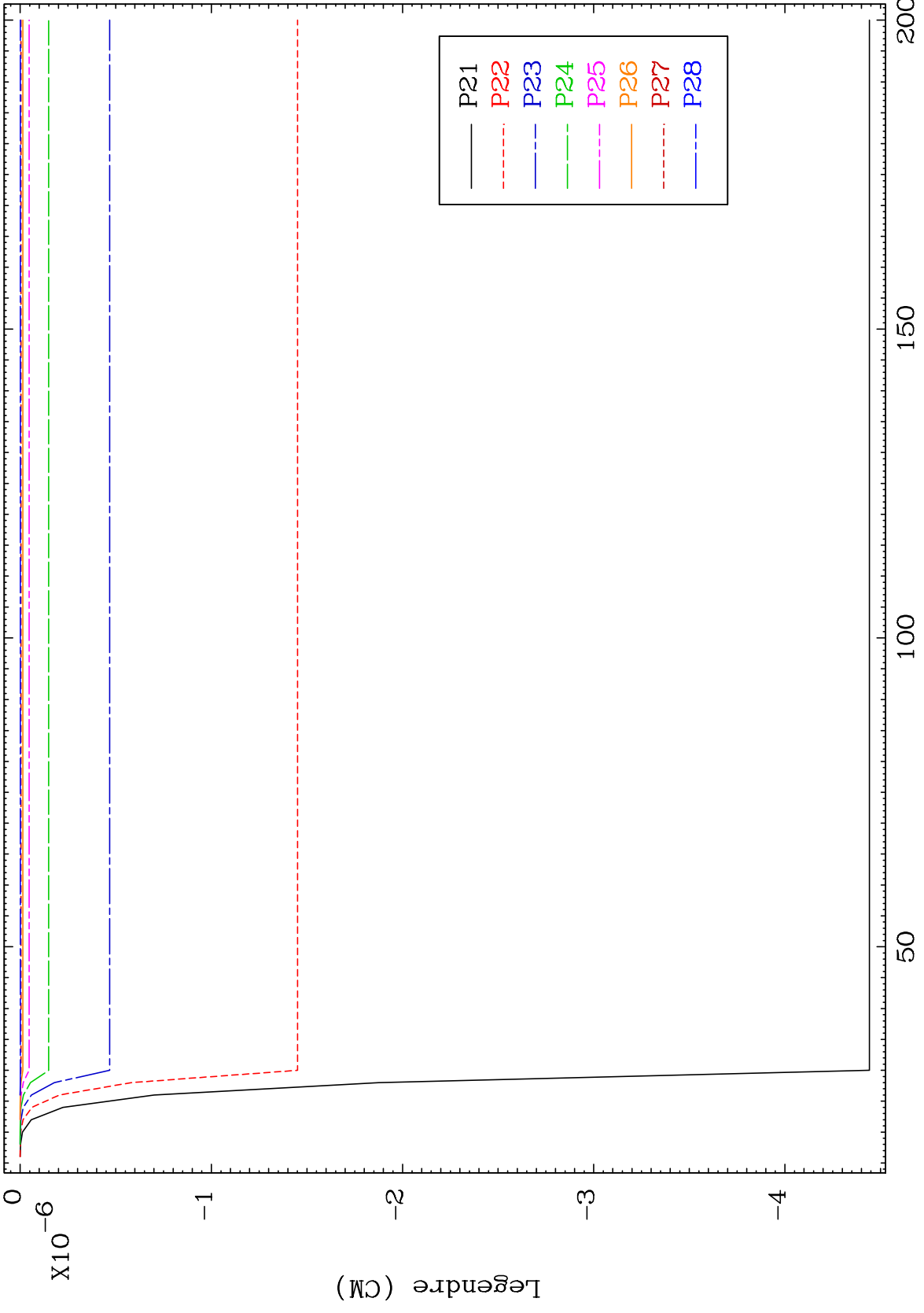


41

Incident Energy (MeV)

15-P -37

MAT 1543 MT= 59 (n,n') Level Legendre Coefficients 15-P -37

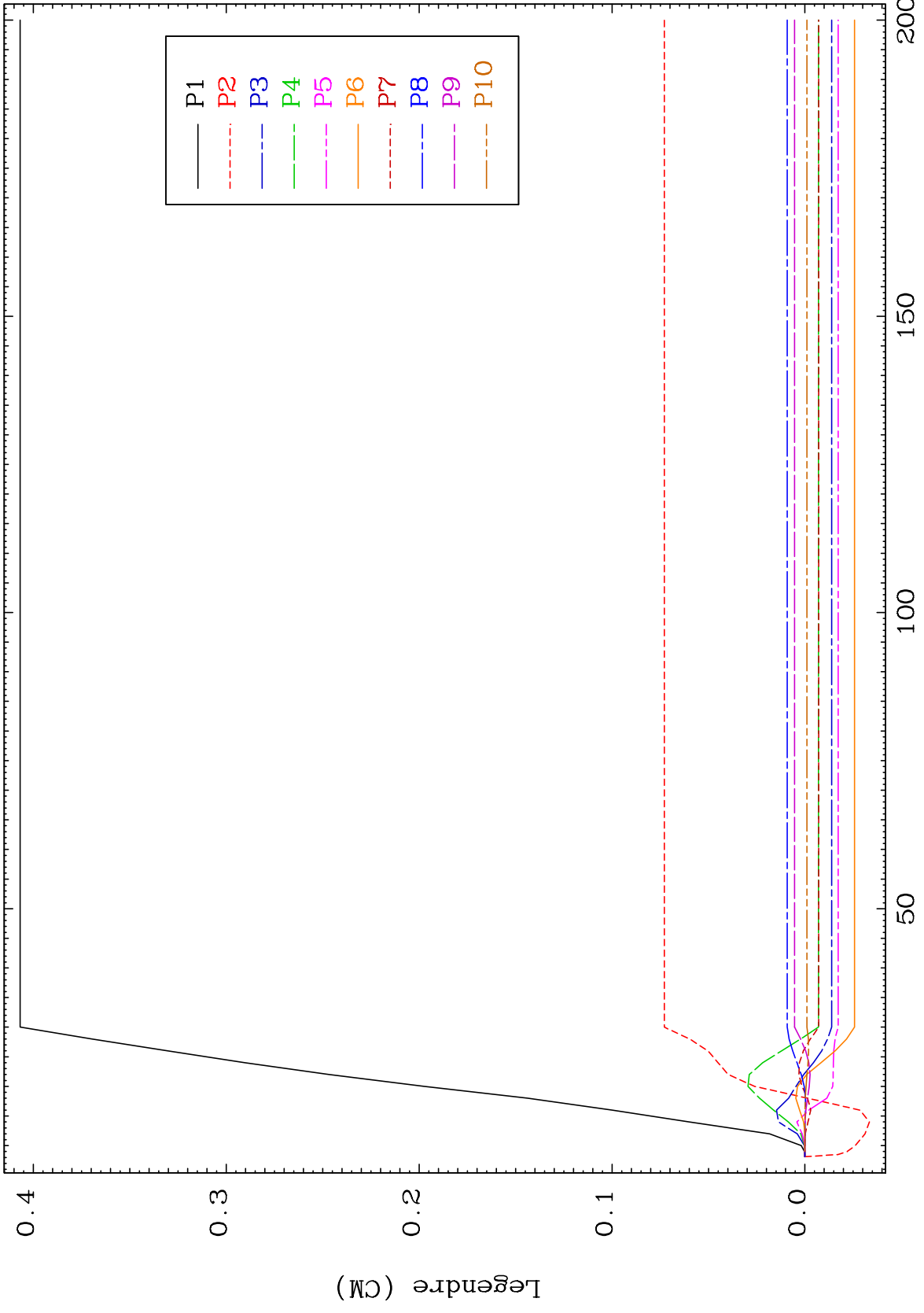


42 15-P -37

MAT 1543

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

15-P -37



43

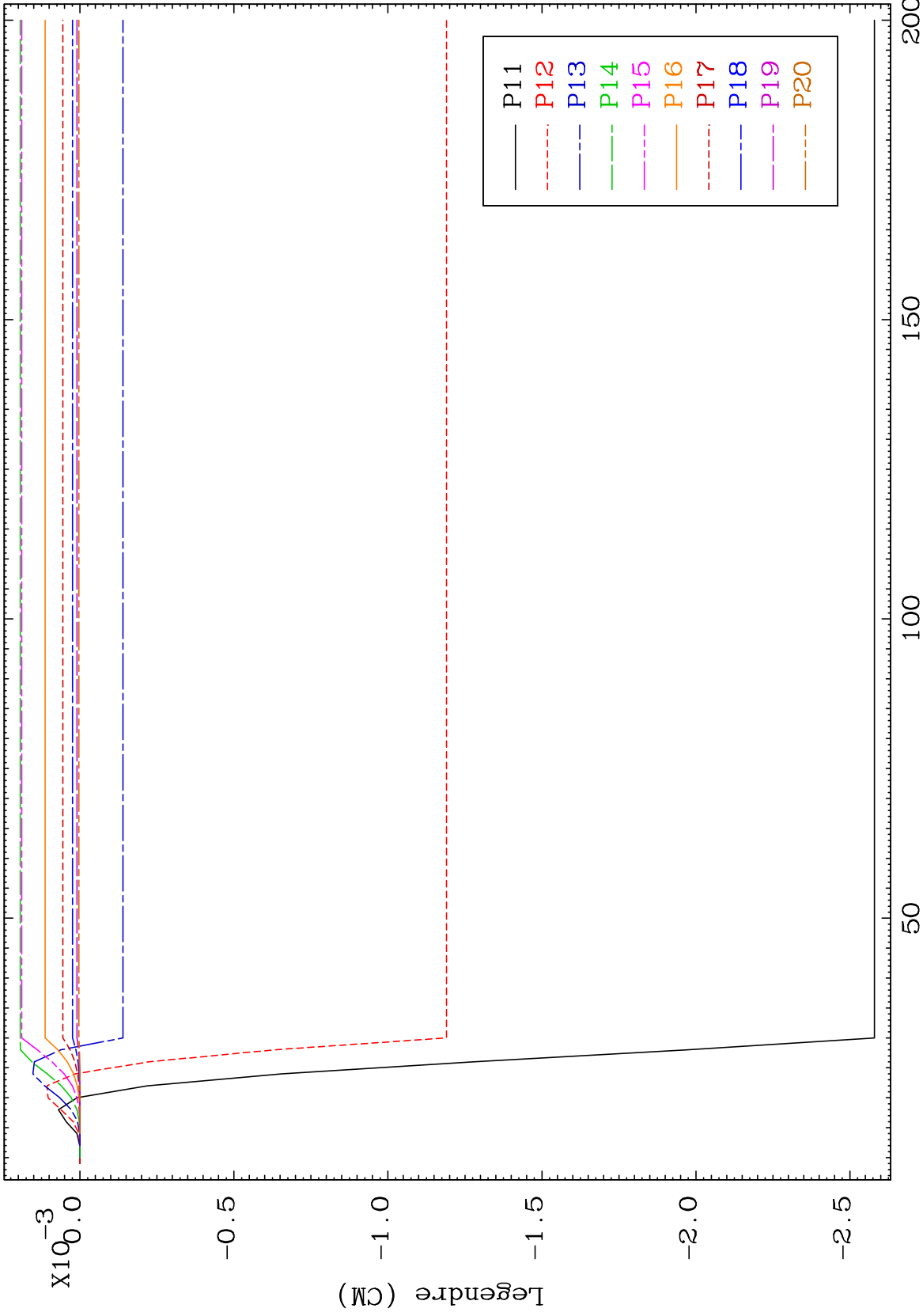
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



15-P -37

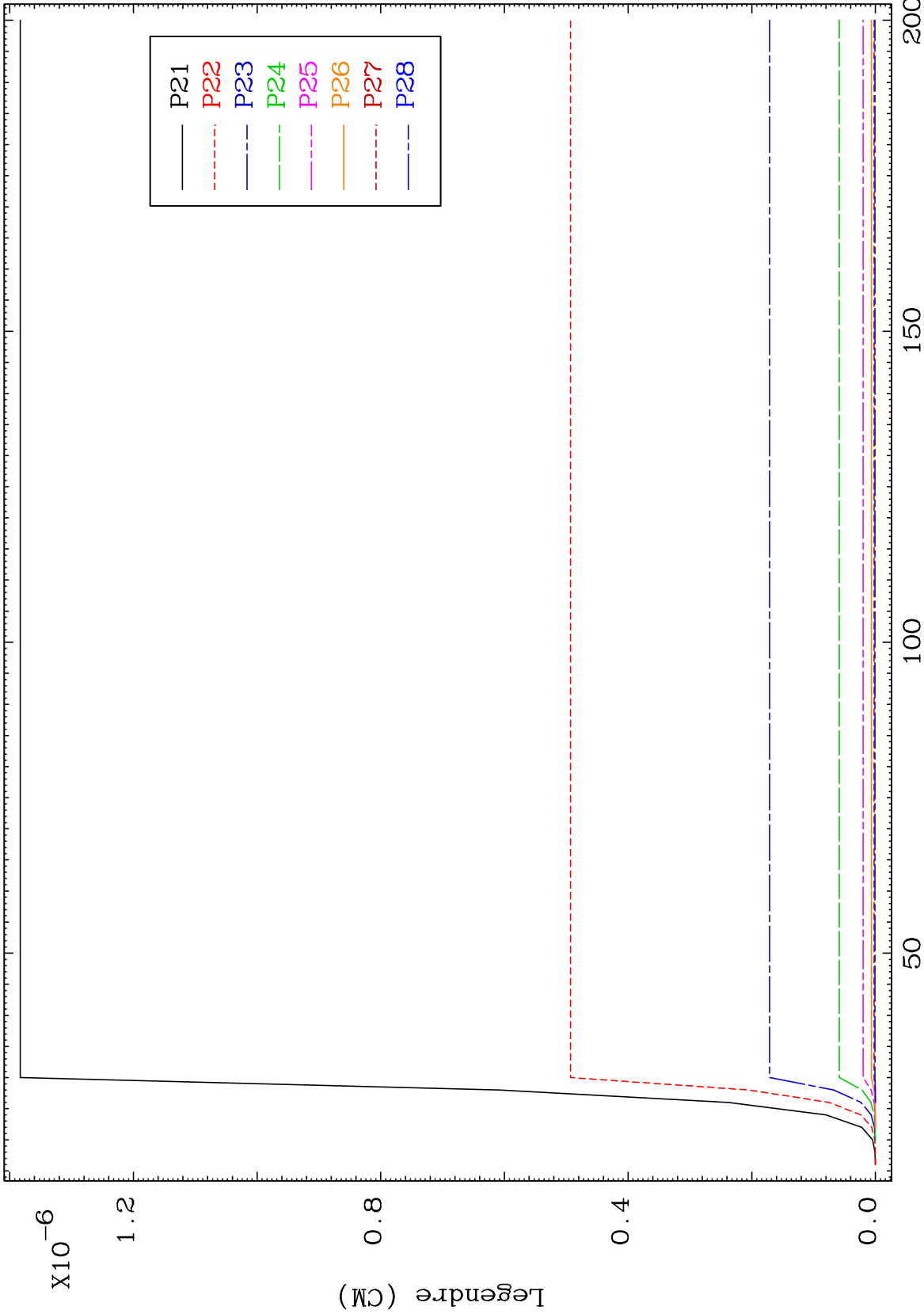
Incident Energy (MeV)

44

MAT 1543

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

15-P -37



45

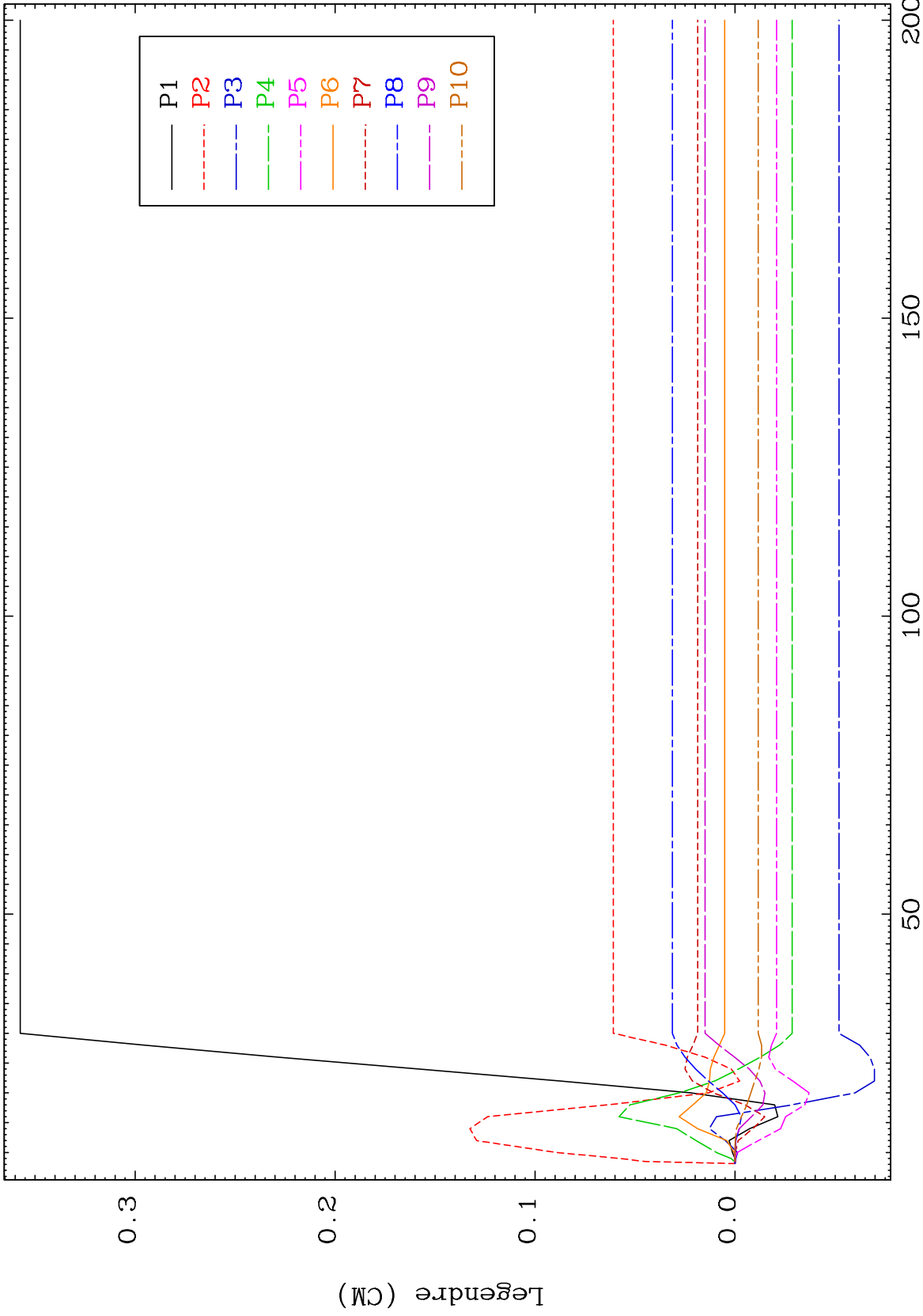
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



46

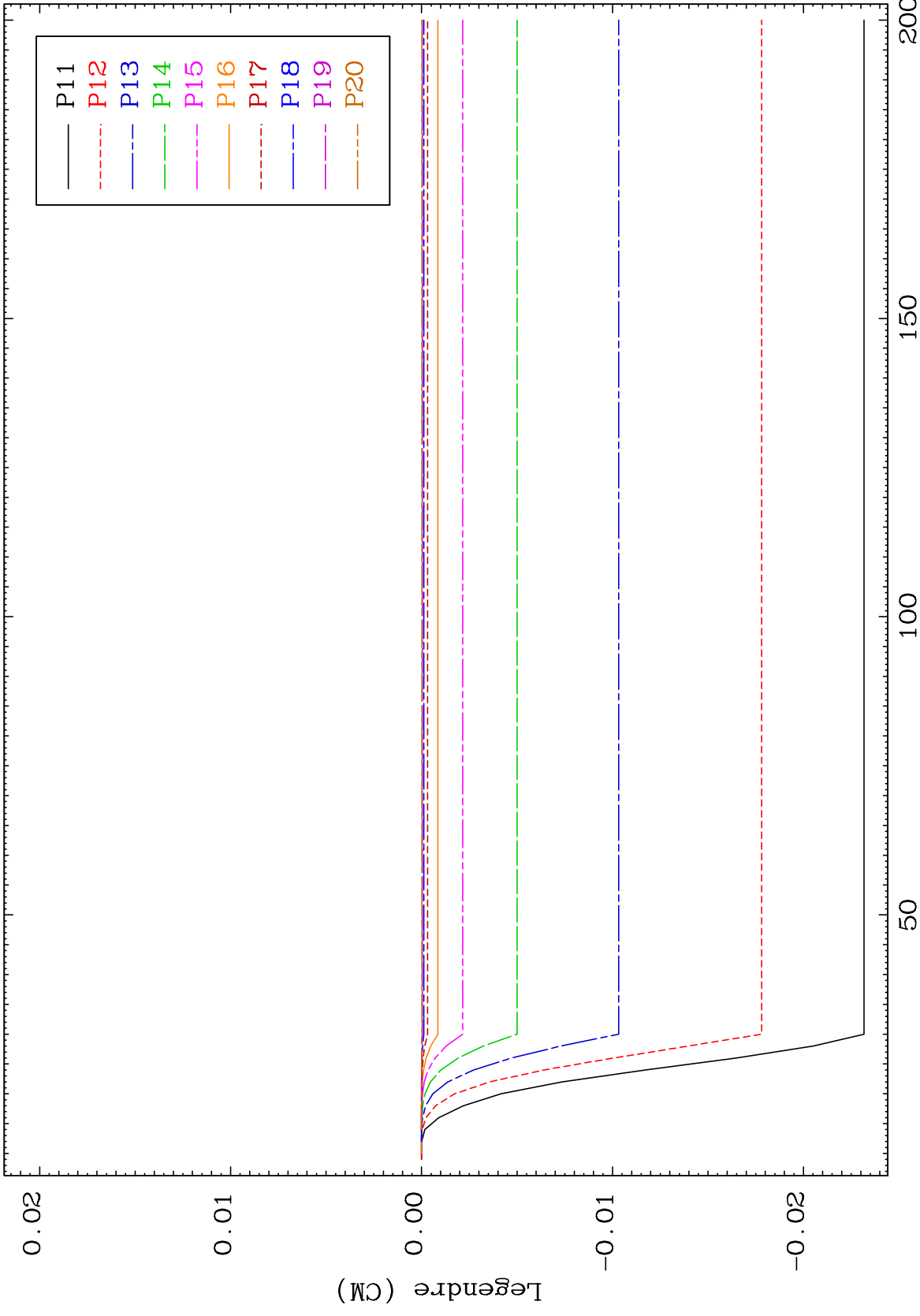
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37

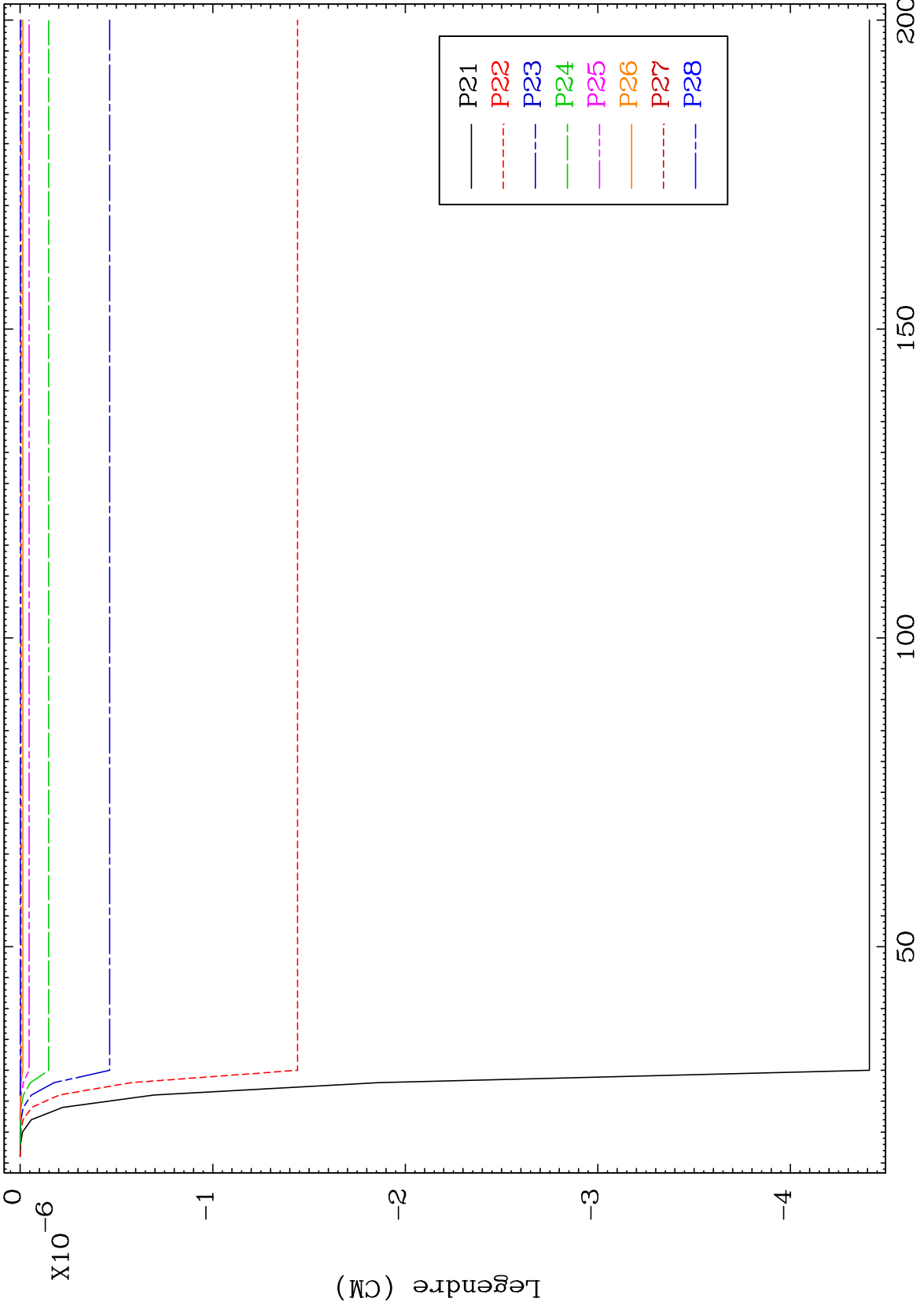


47

Incident Energy (MeV)

15-P -37

MAT 1543 MT= 61 (n,n') Level Legendre Coefficients 15-P -37

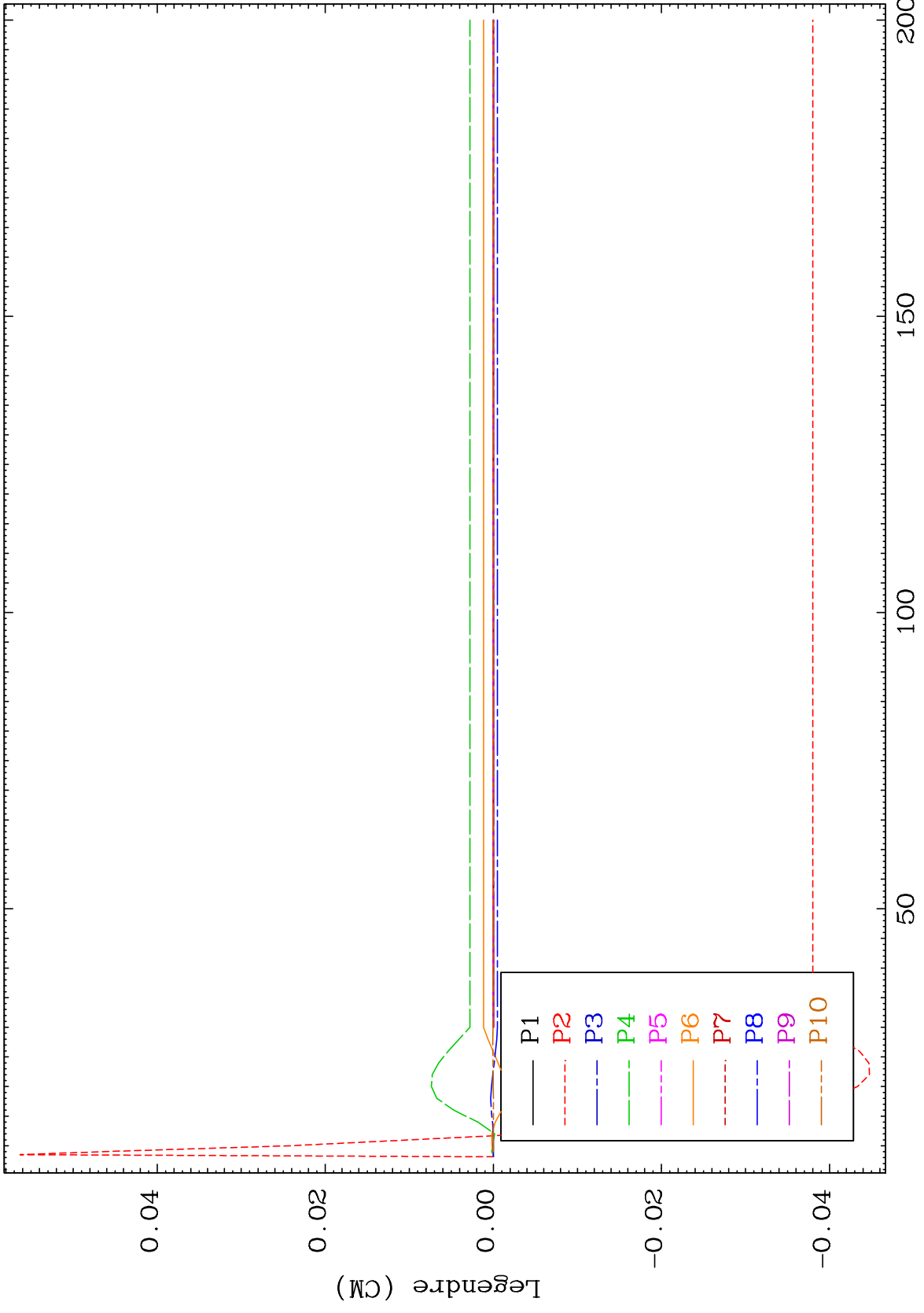


48 Incident Energy (MeV) 15-P -37

MAT 1543

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

15-P -37

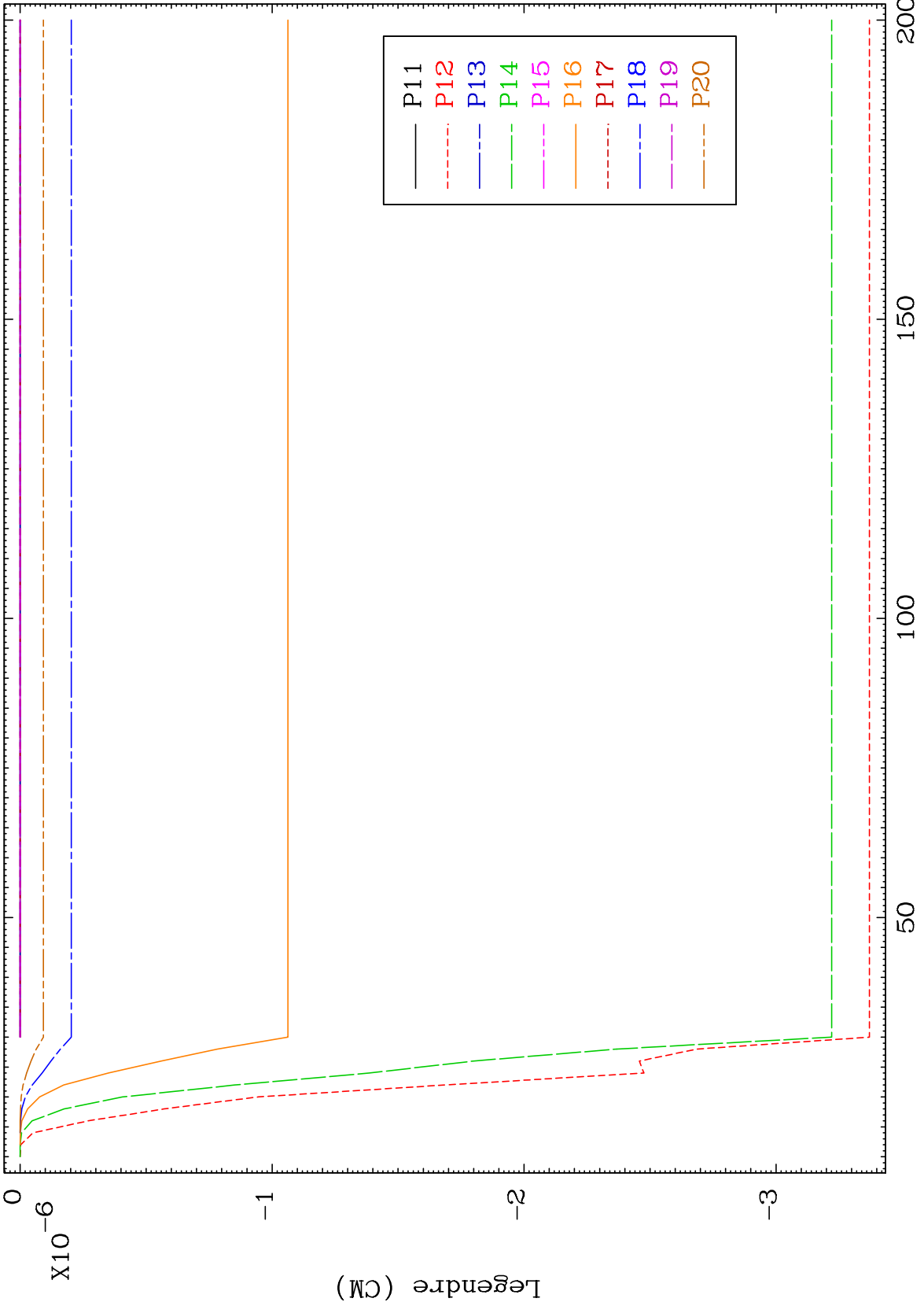


49

Incident Energy (MeV)

15-P -37

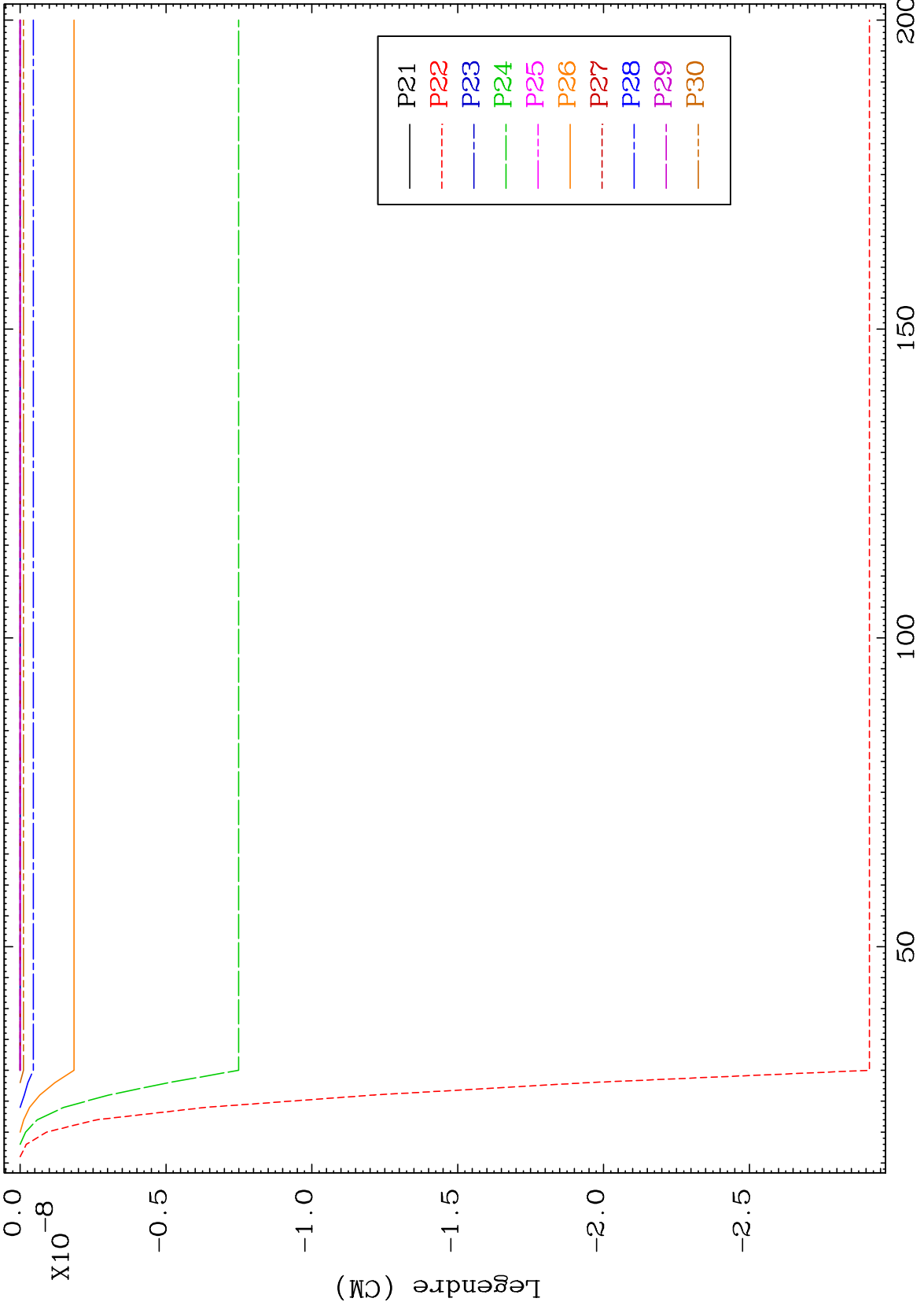
MAT 1543 MT= 62 (n,n') Level Legendre Coefficients 15-P -37



50 100 150 200 Incident Energy (MeV) 15-P -37

MAT 1543 MT= 62 (n,n') Level 15-P -37

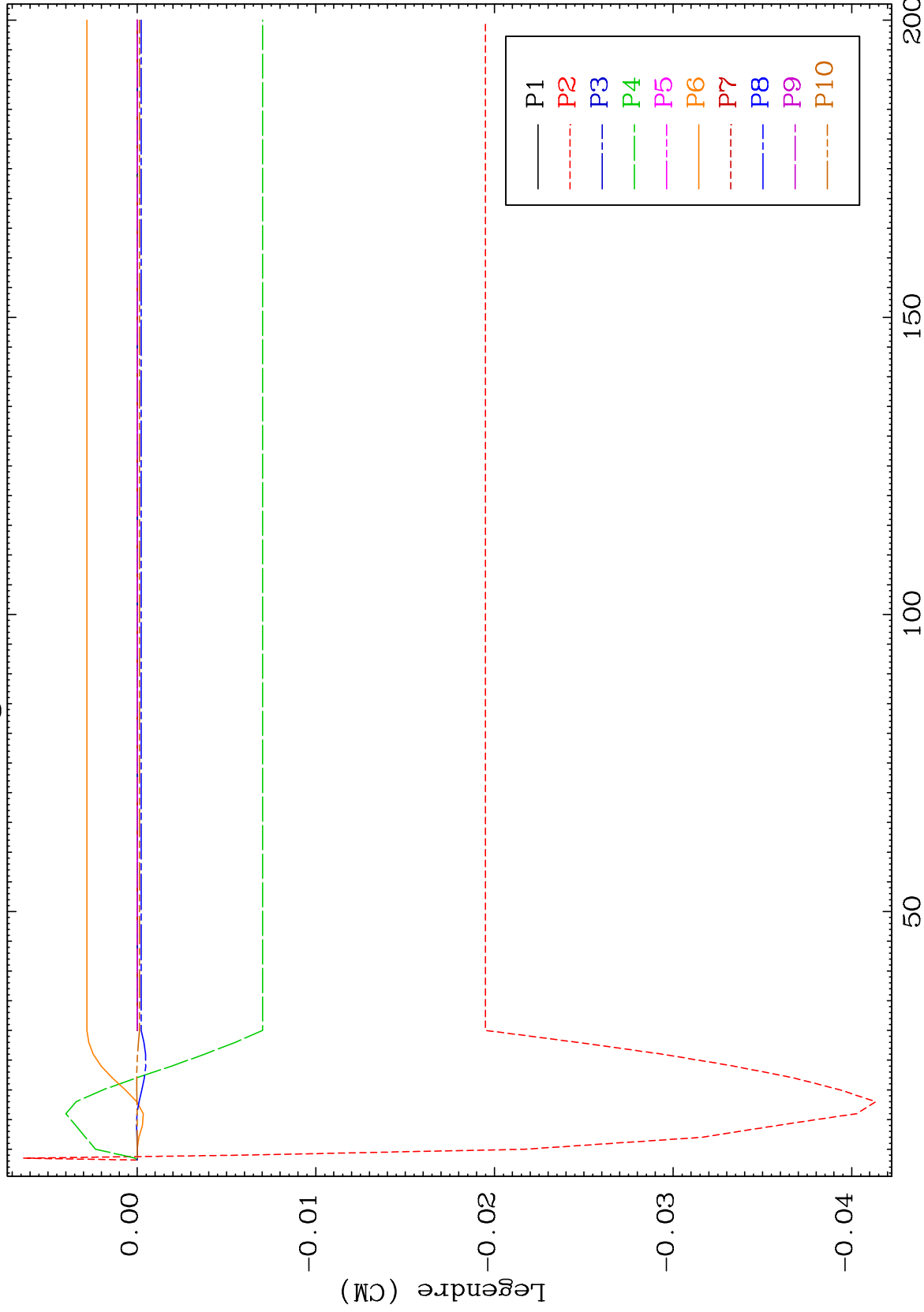
Legendre Coefficients



MAT 1543

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

15-P -37

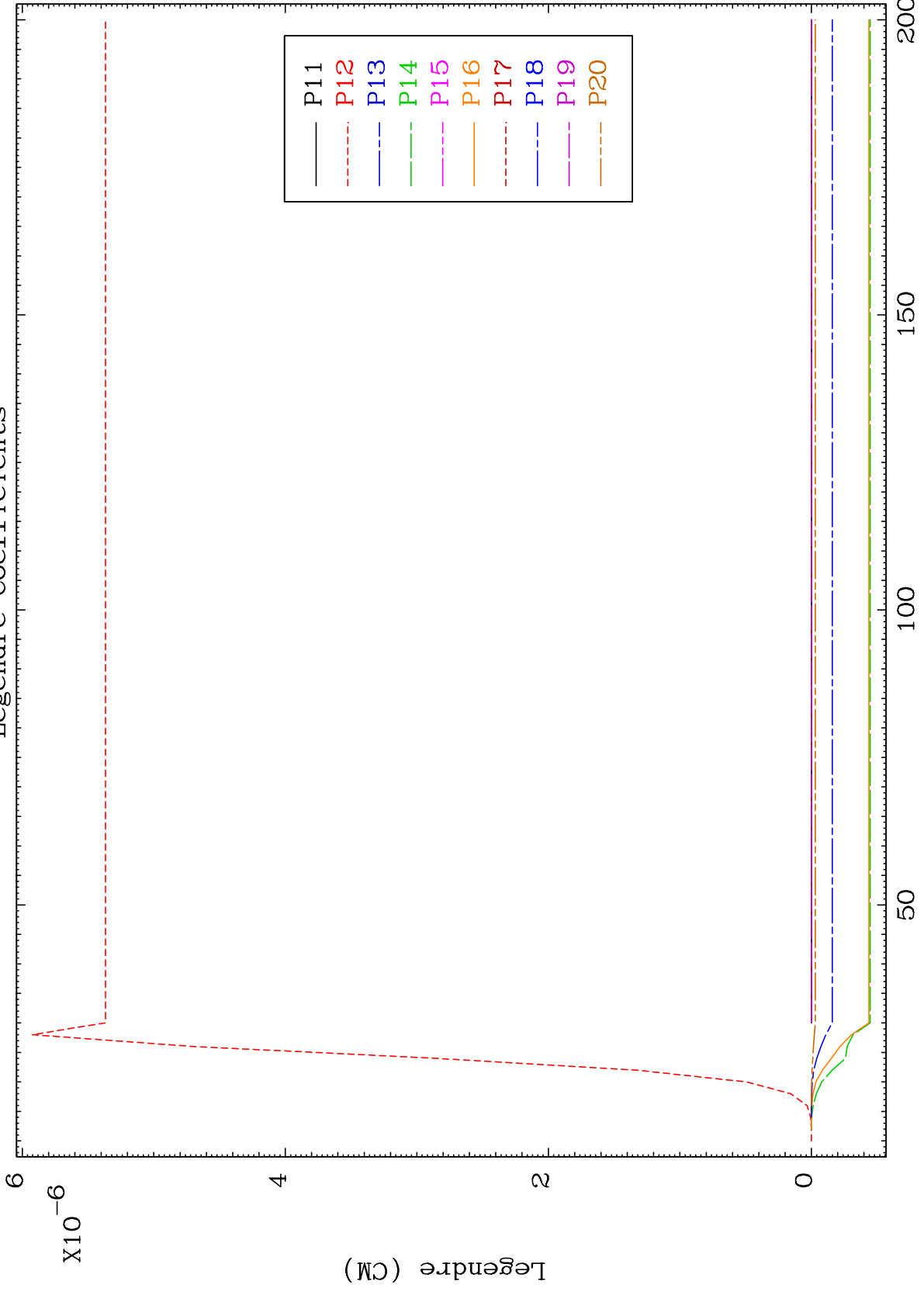


52

Incident Energy (MeV)

15-P -37

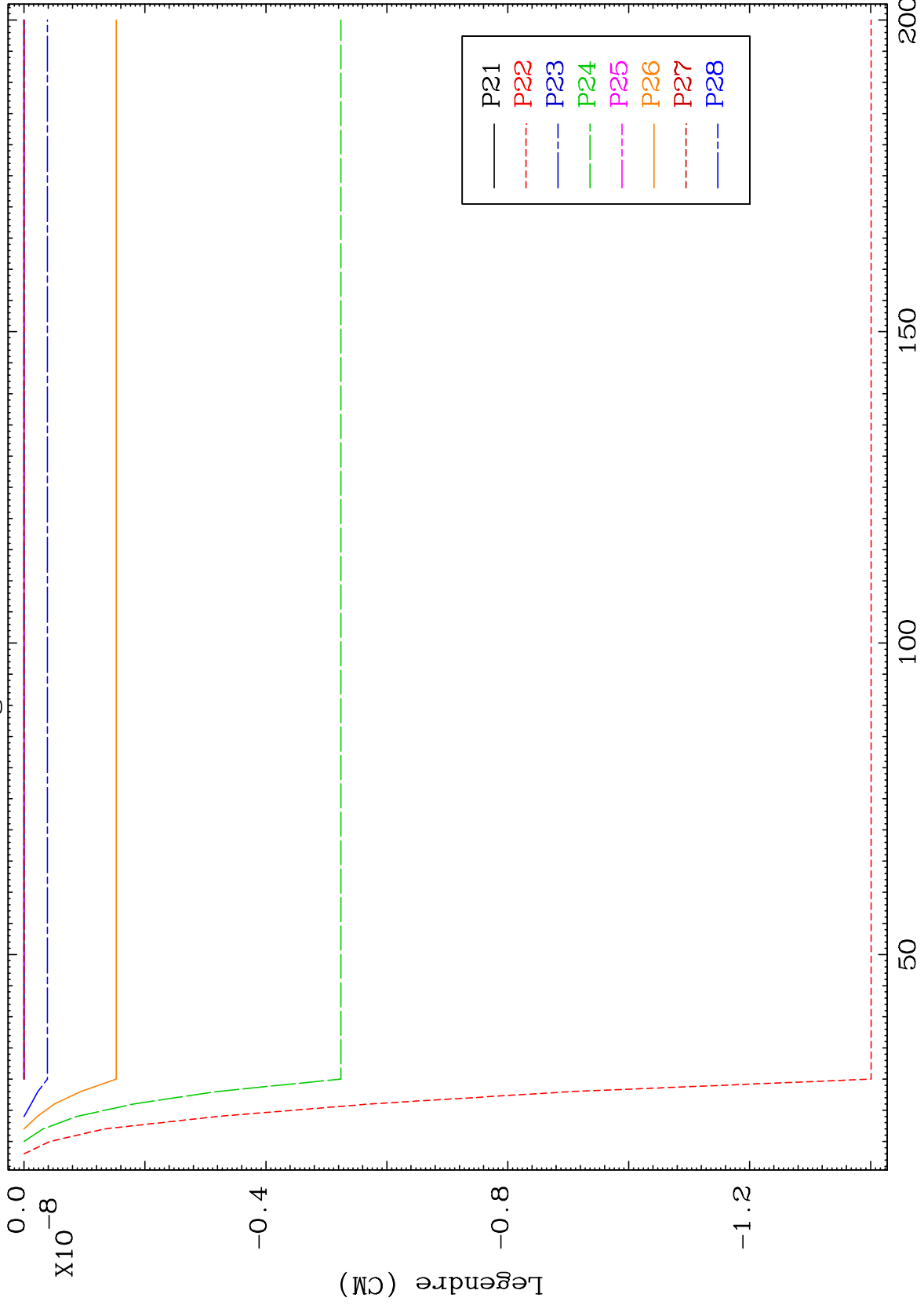
MAT 1543 MT= 63 (n,n') Level Legendre Coefficients 15-P -37



MAT 1543

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

15-P -37



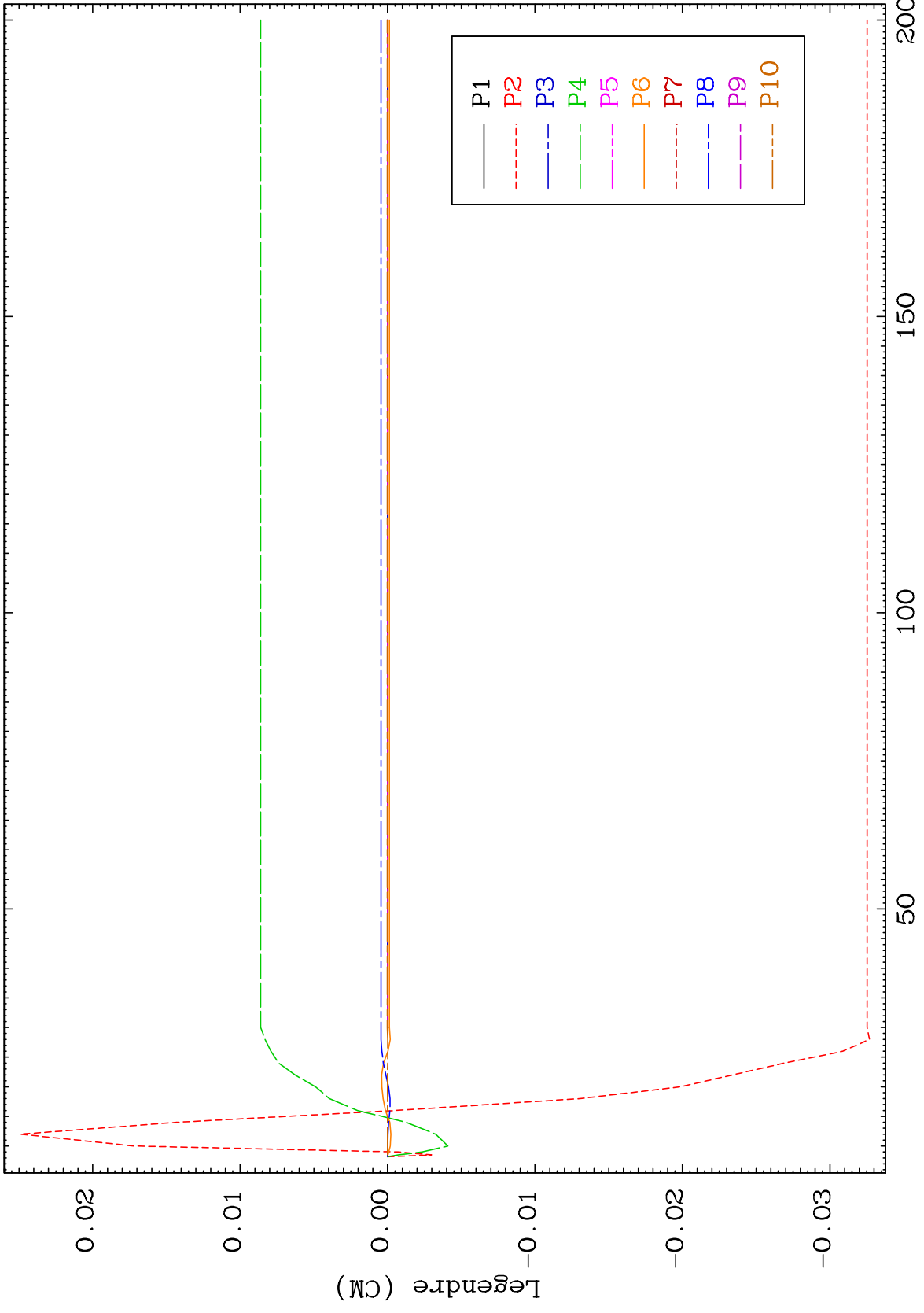
54

15-P -37

MAT 1543

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

15-P -37



55

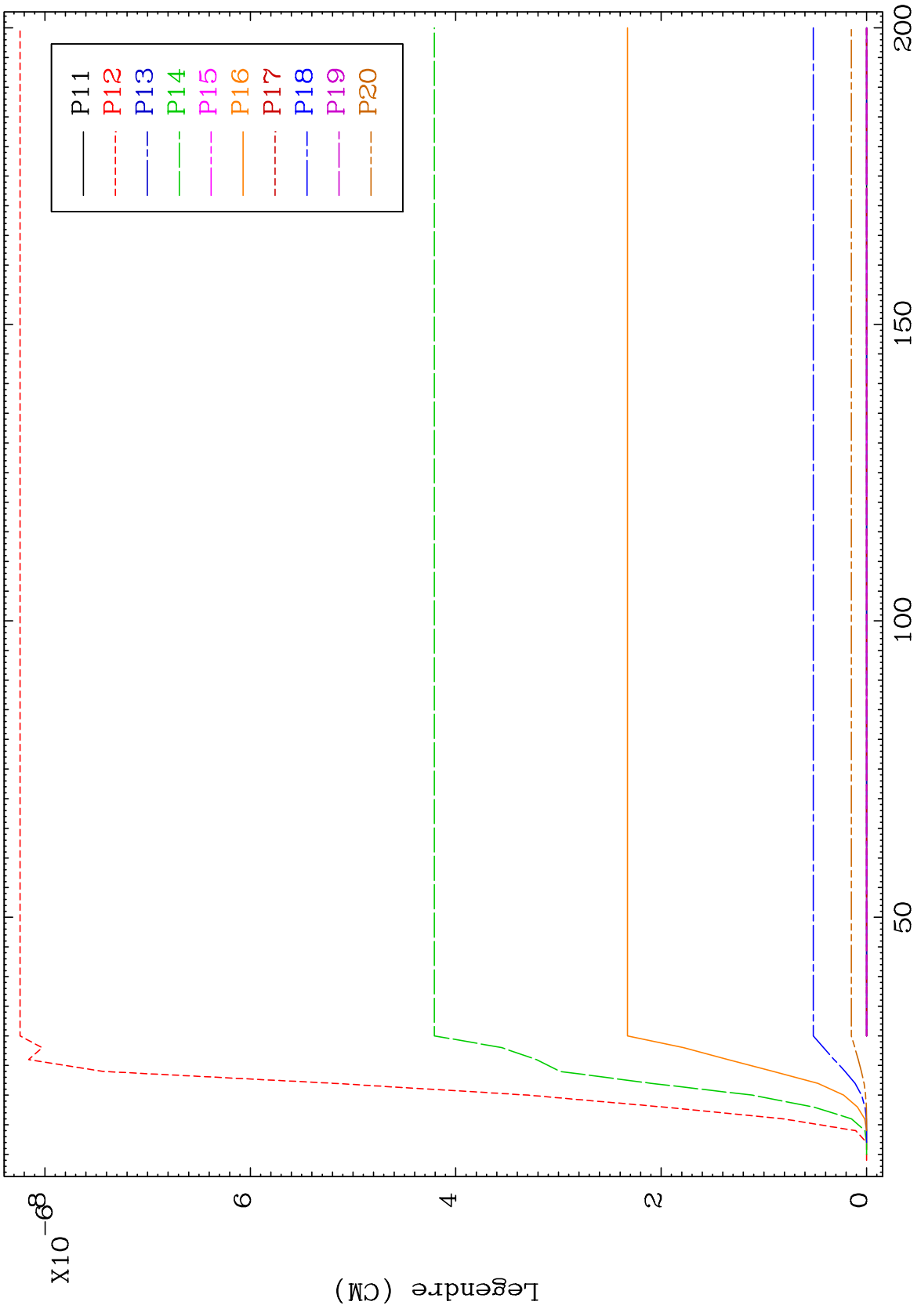
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37

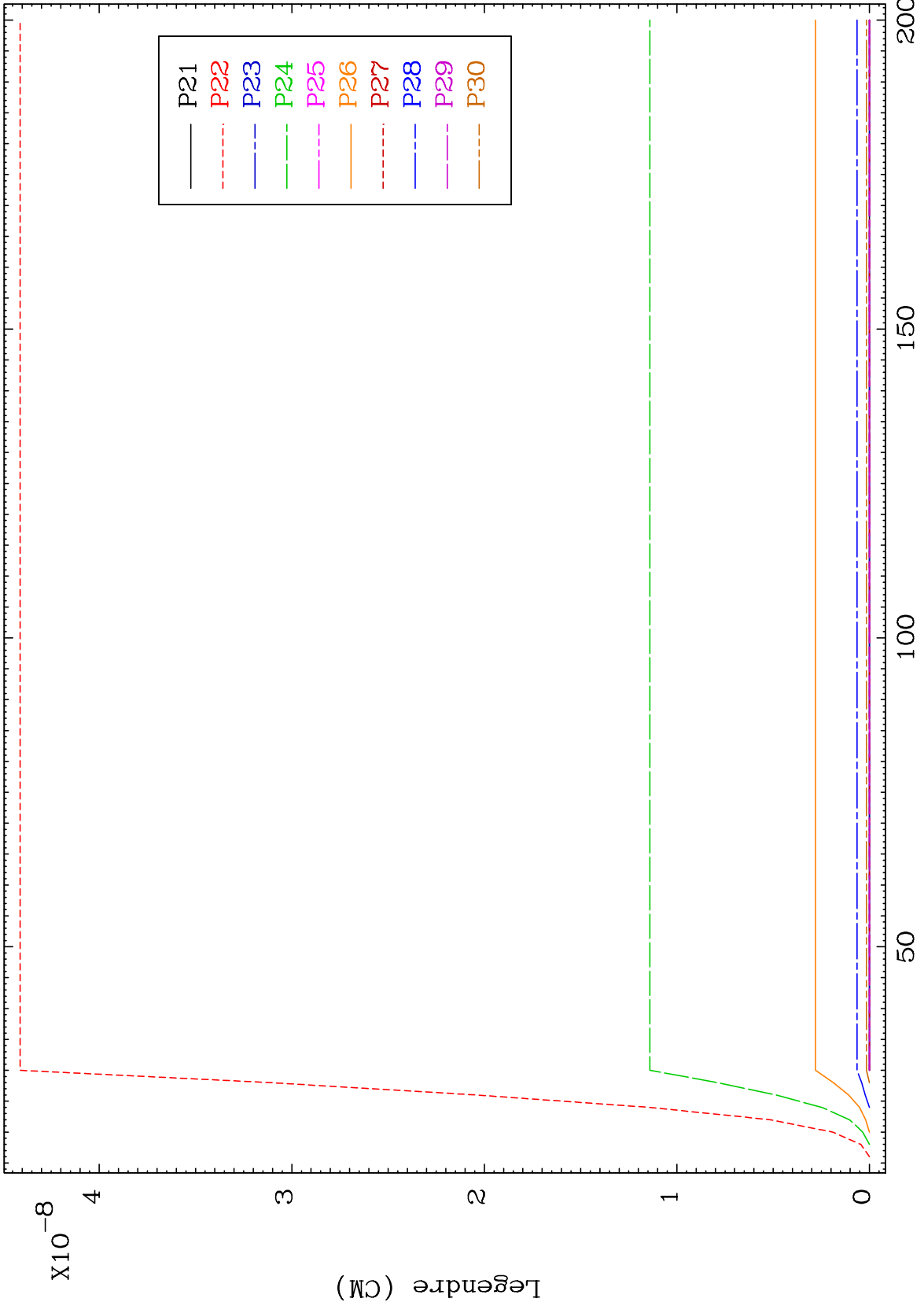


56

Incident Energy (MeV)

15-P -37

MAT 1543 MT= 64 (n,n') Level Legendre Coefficients 15-P -37



57

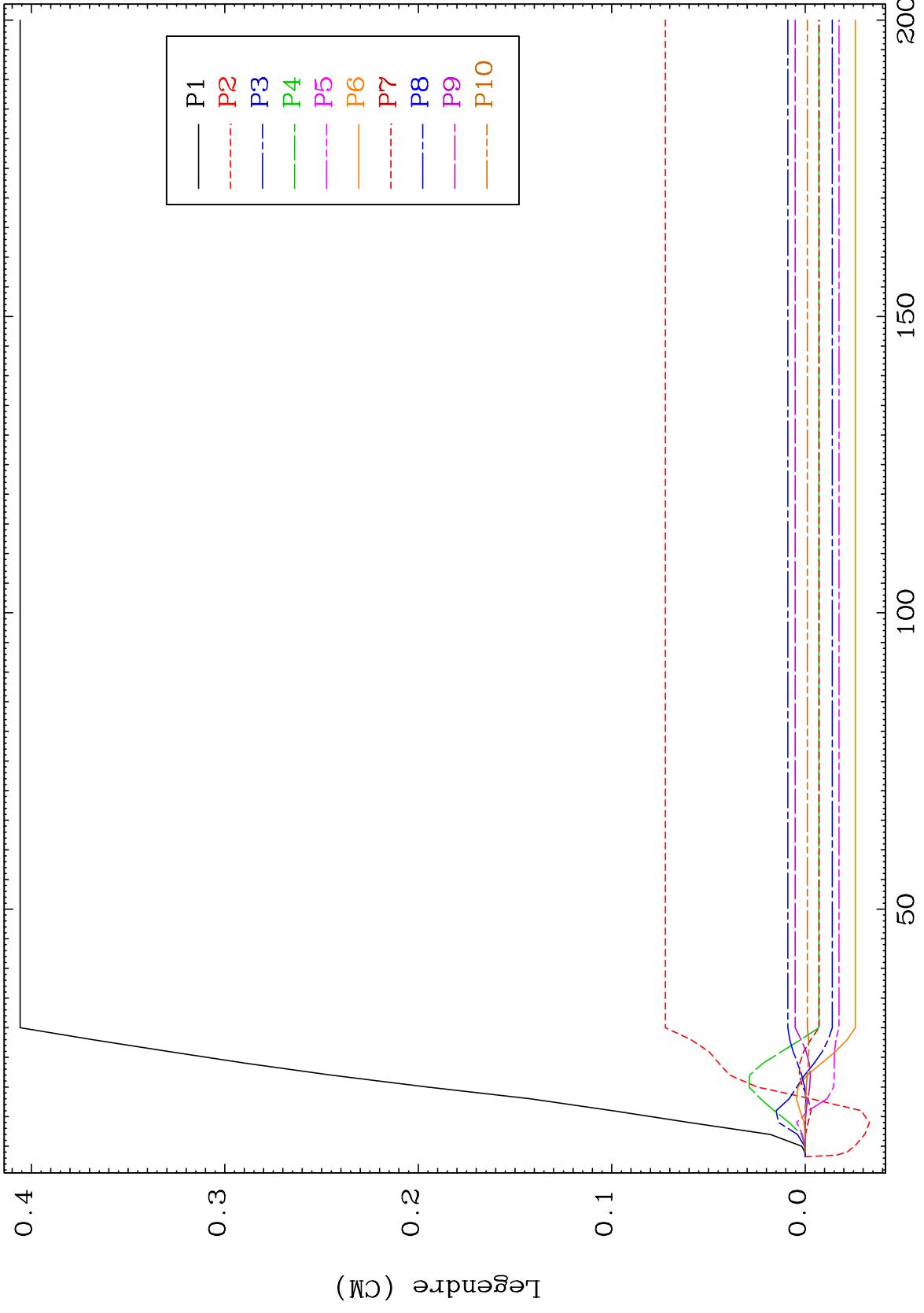
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



58

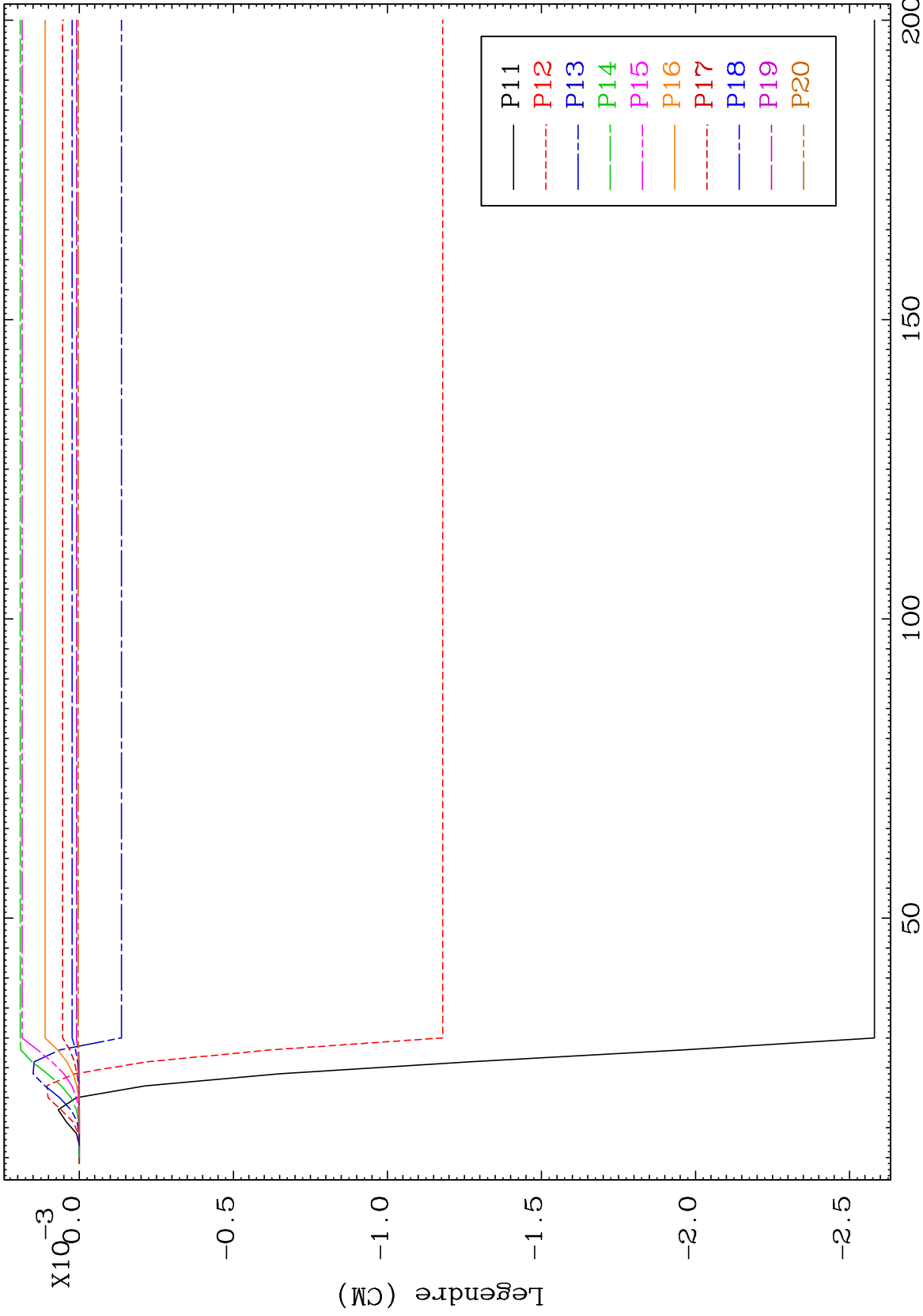
Incident Energy (MeV)

15-P -37

MAT 1543

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

15-P -37



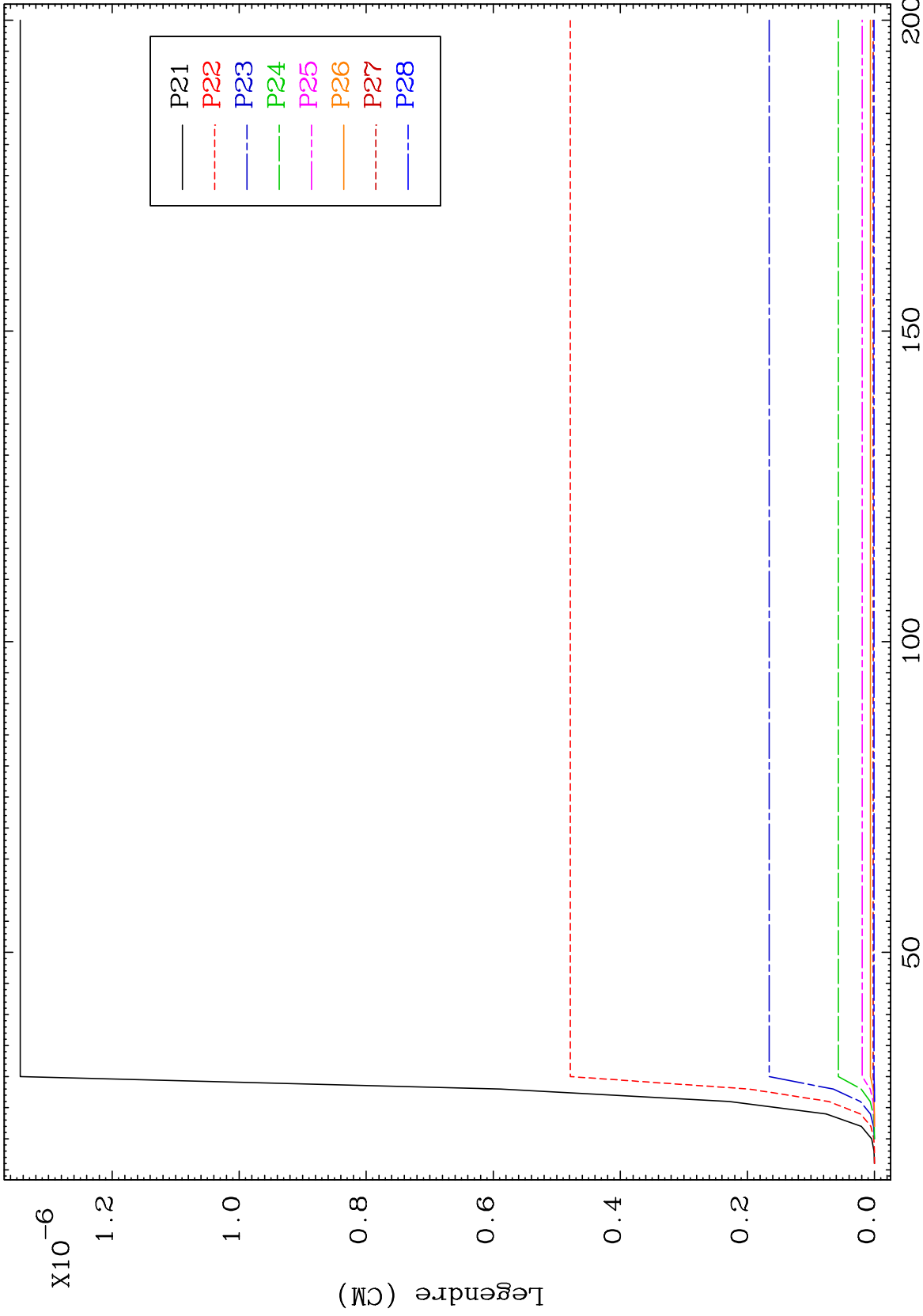
59

15-P -37

MAT 1543

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

15-P -37



60

Incident Energy (MeV)

15-P -37