

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

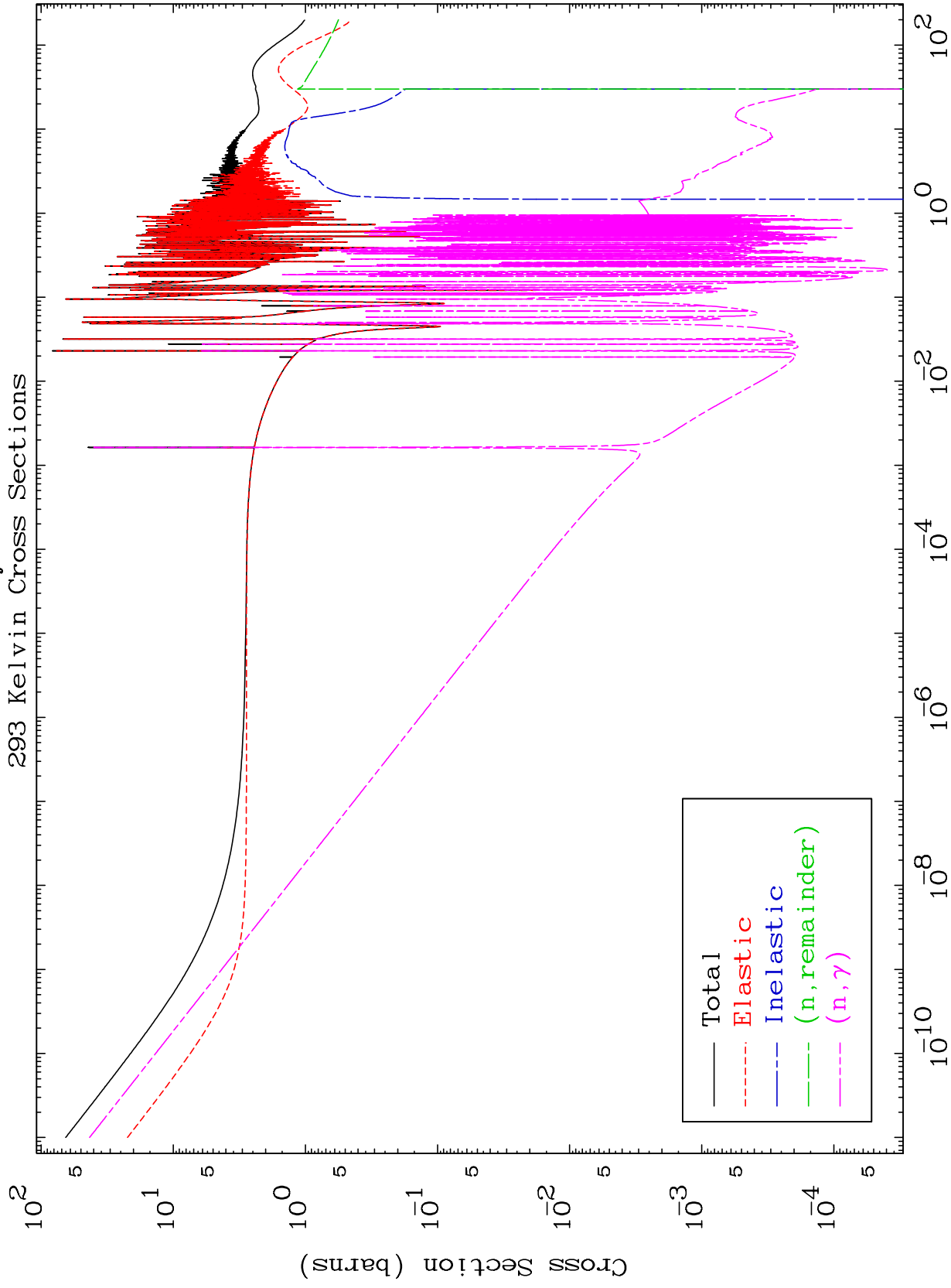
Press Mouse Button to Start

MAT 2431

Major

293 Kelvin Cross Sections

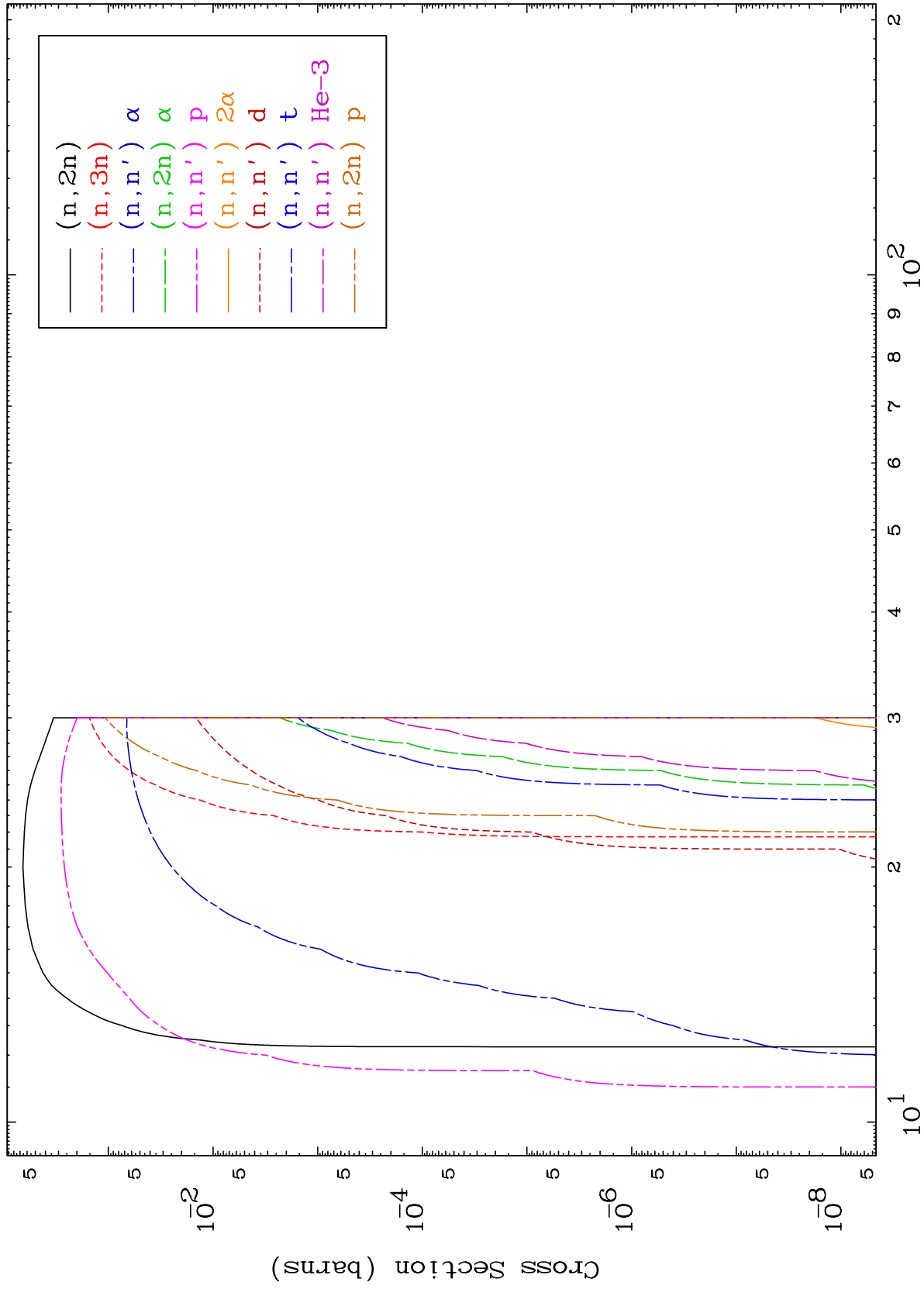
24-Cr-52



MAT 2431

Neutron Production 293 Kelvin Cross Sections

24-Cr-52



2

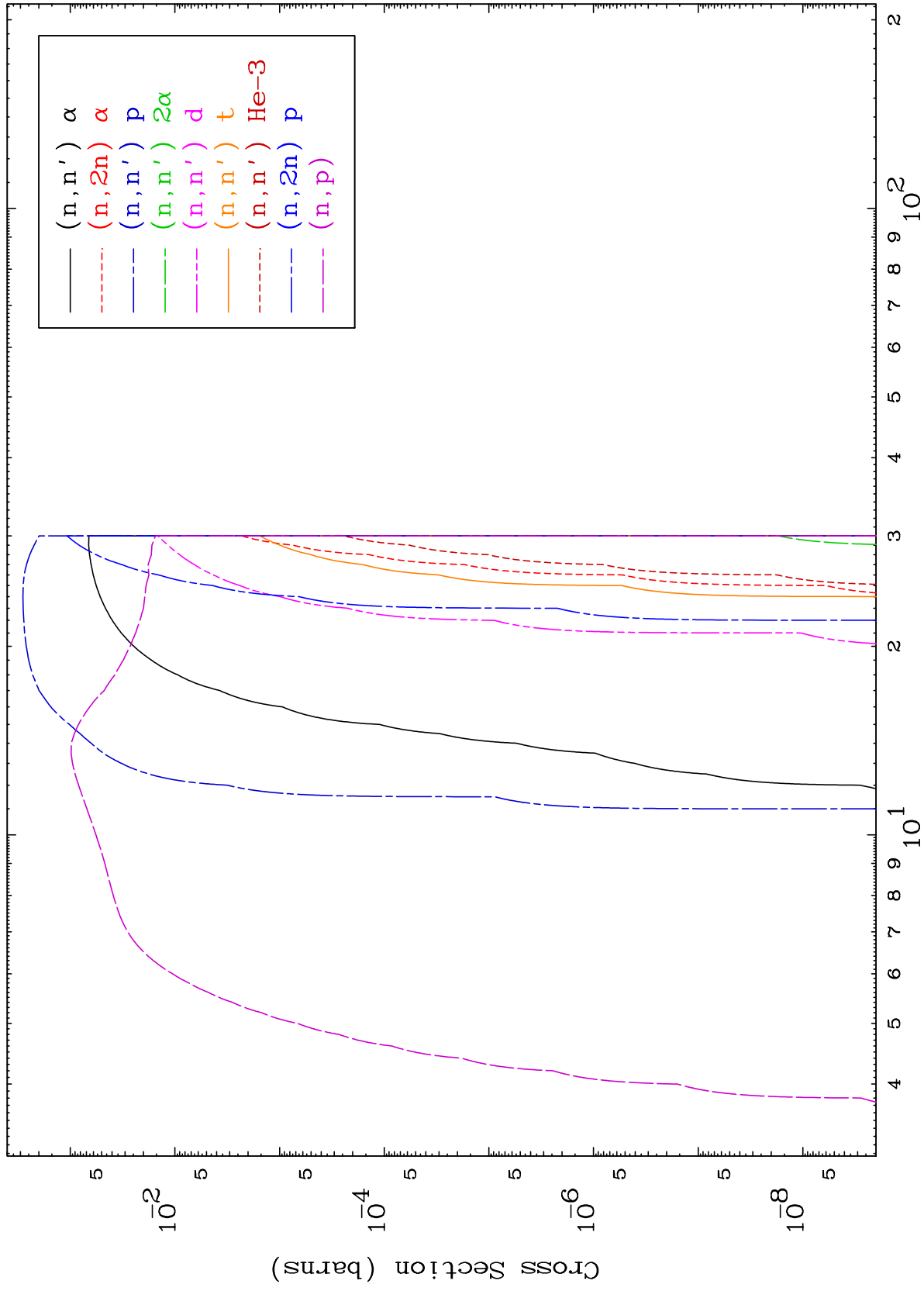
Incident Energy (MeV)

24-Cr-52

MAT 2431

293 Kelvin Cross Sections

24-Cr-52



3

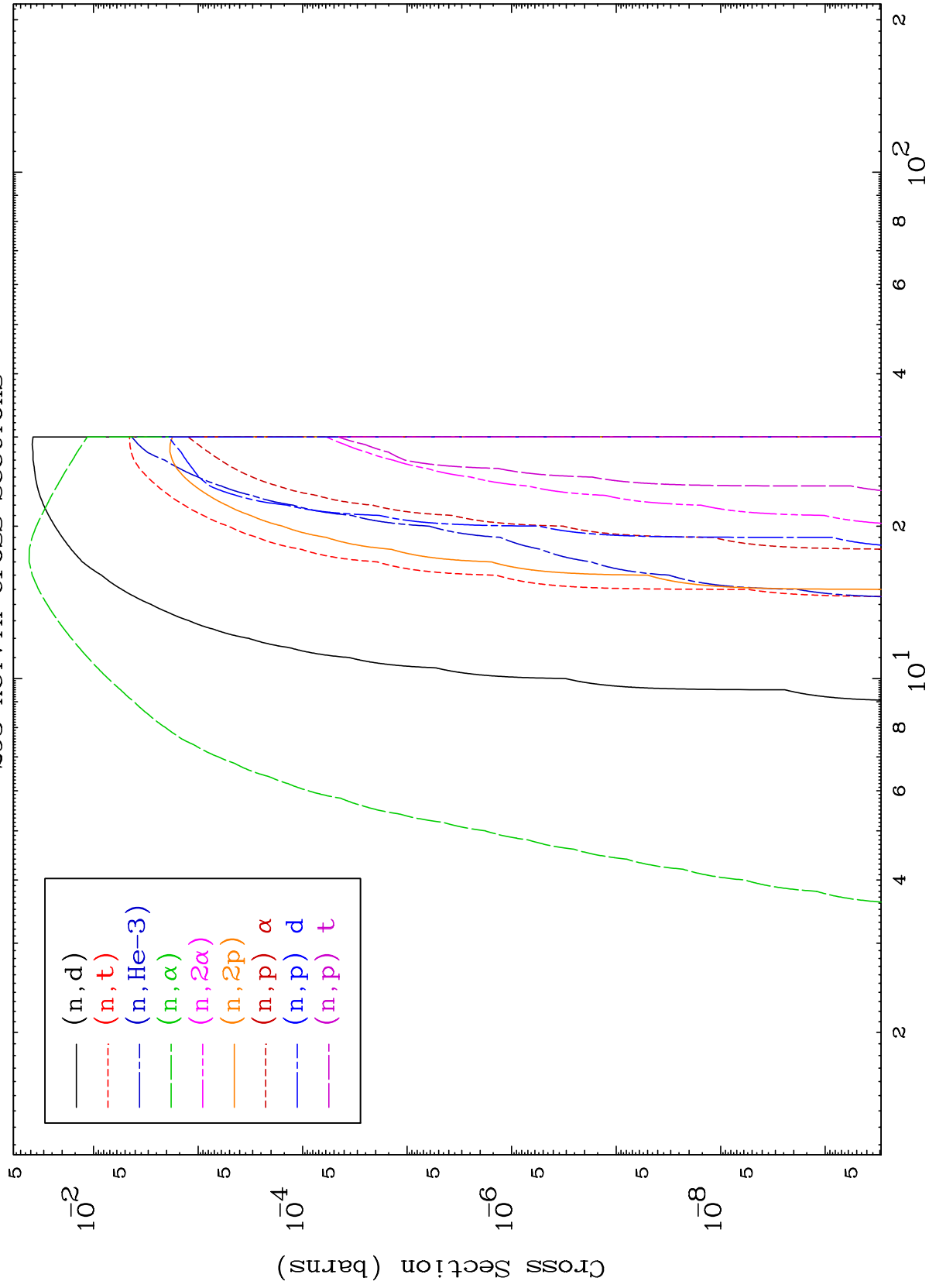
Incident Energy (MeV)

24-Cr-52

MAT 2431

Charged Particle
293 Kelvin Cross Sections

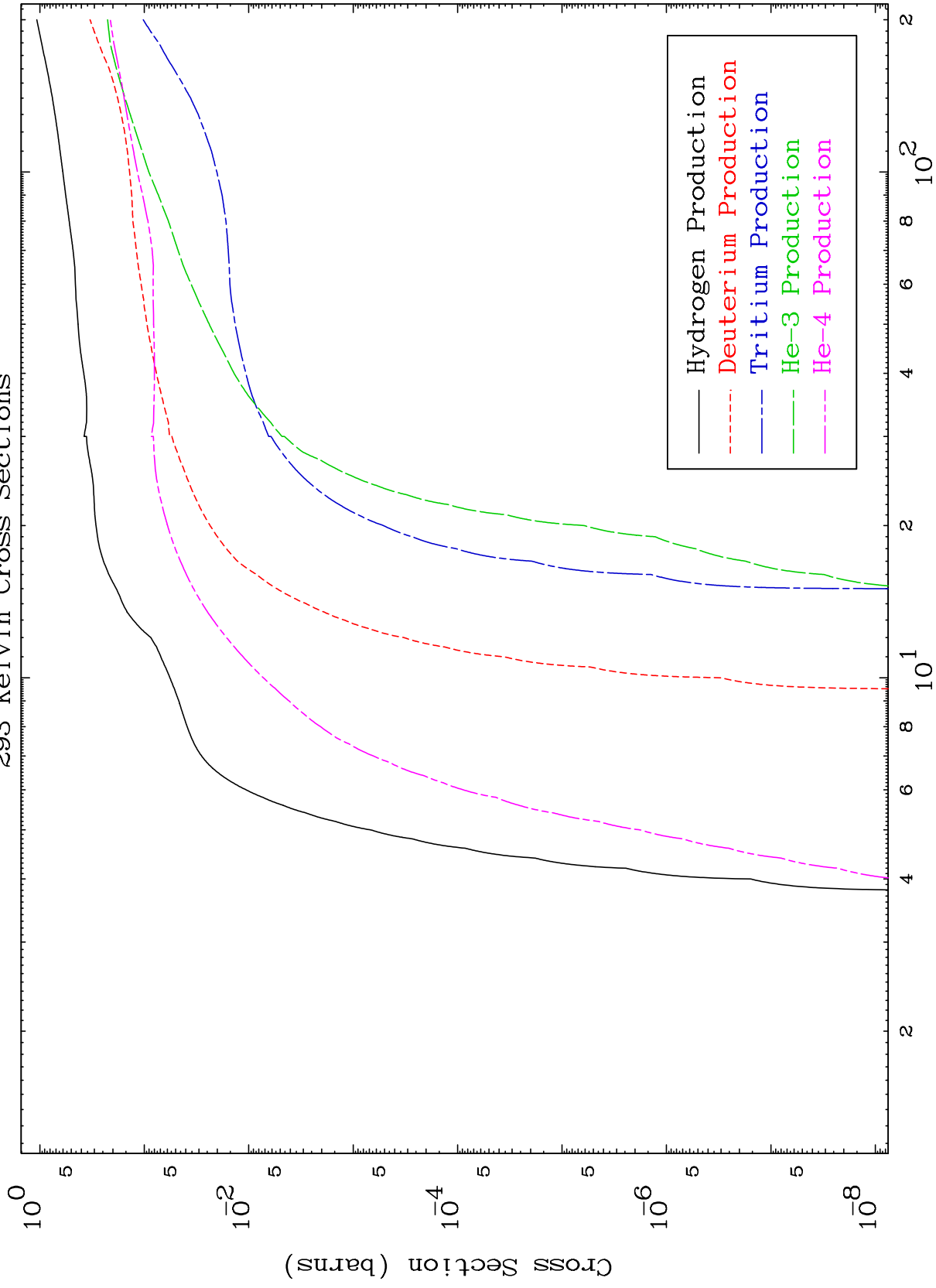
24-Cr-52



MAT 2431

Particle Production
293 Kelvin Cross Sections

24-Cr-52



5

Incident Energy (MeV)

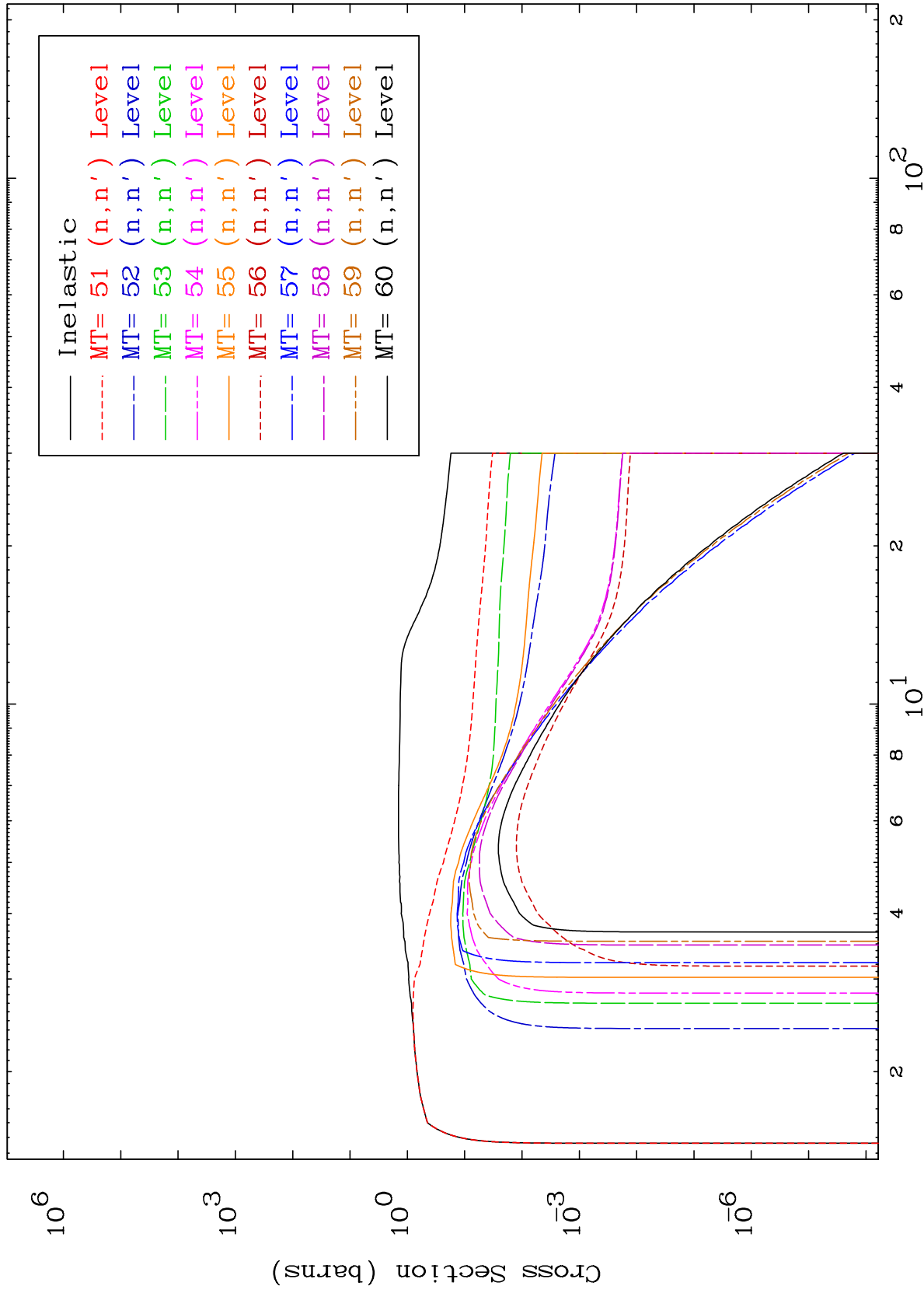
24-Cr-52

MAT 2431

(n,n') Level

24-Cr-52

293 Kelvin Cross Sections



6

Incident Energy (MeV)

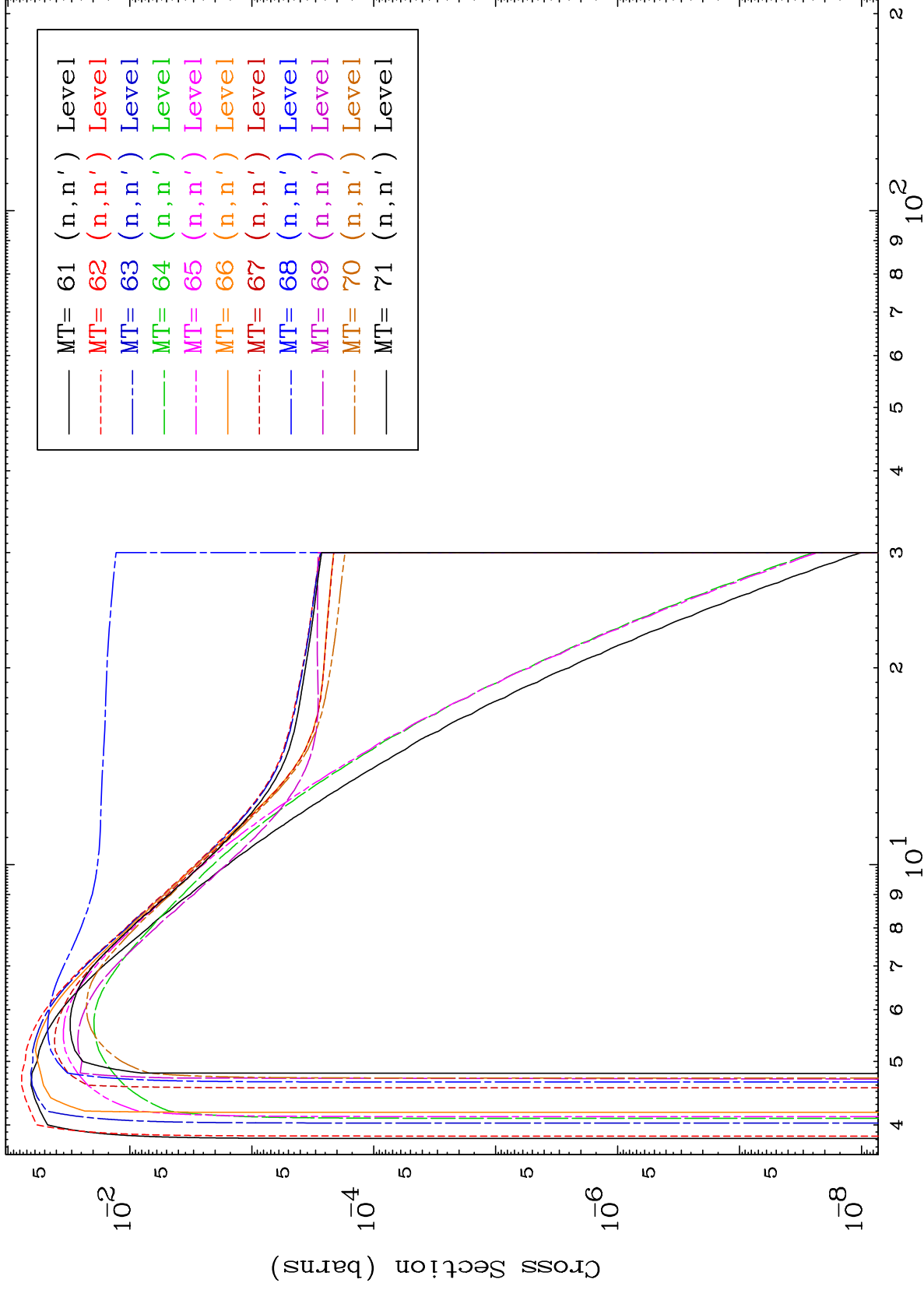
24-Cr-52

MAT 2431

(n,n') Level

24-Cr-52

293 Kelvin Cross Sections



7

Incident Energy (MeV)

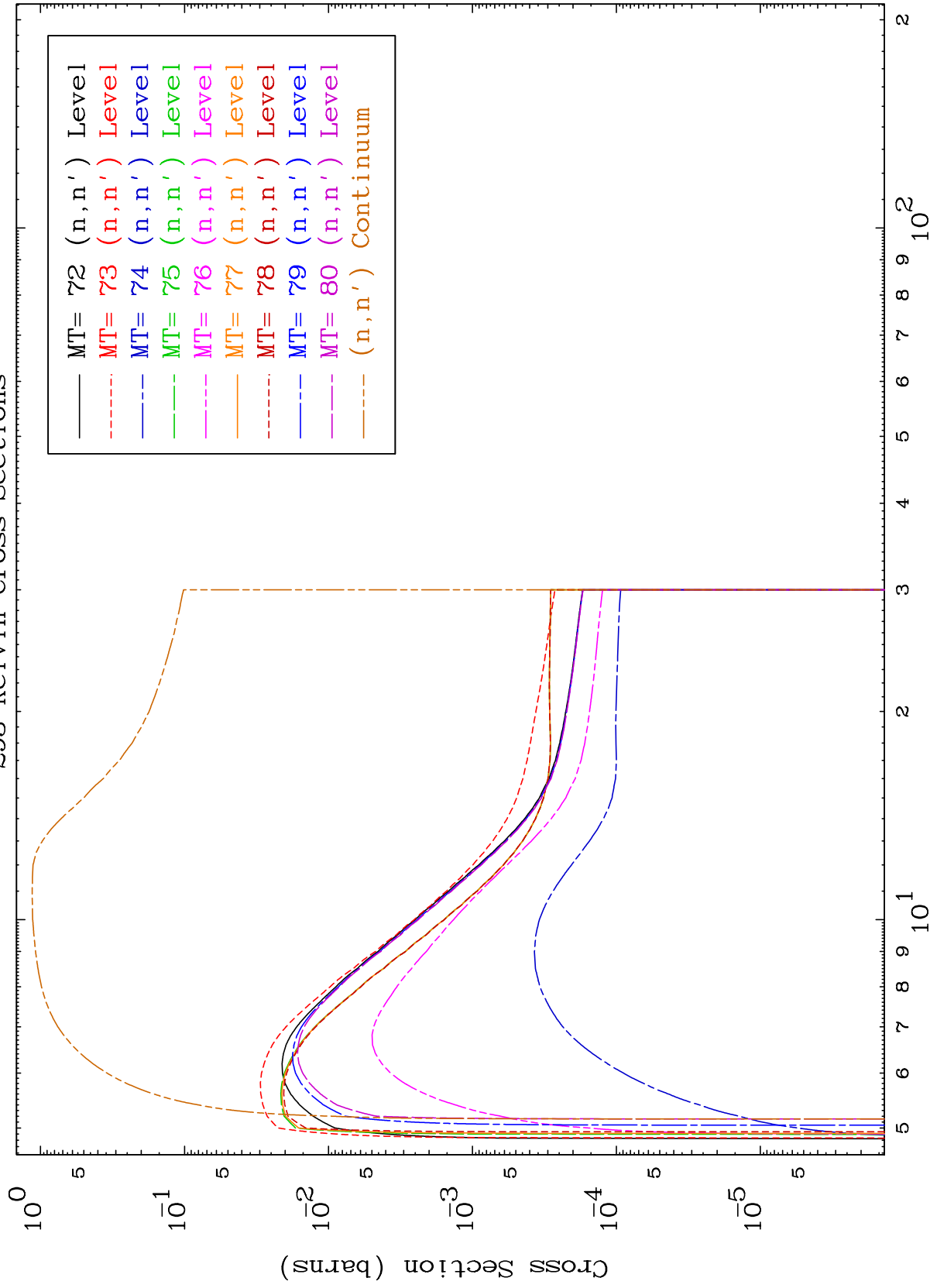
24-Cr-52

MAT 2431

(n,n') Level

24-Cr-52

293 Kelvin Cross Sections



8

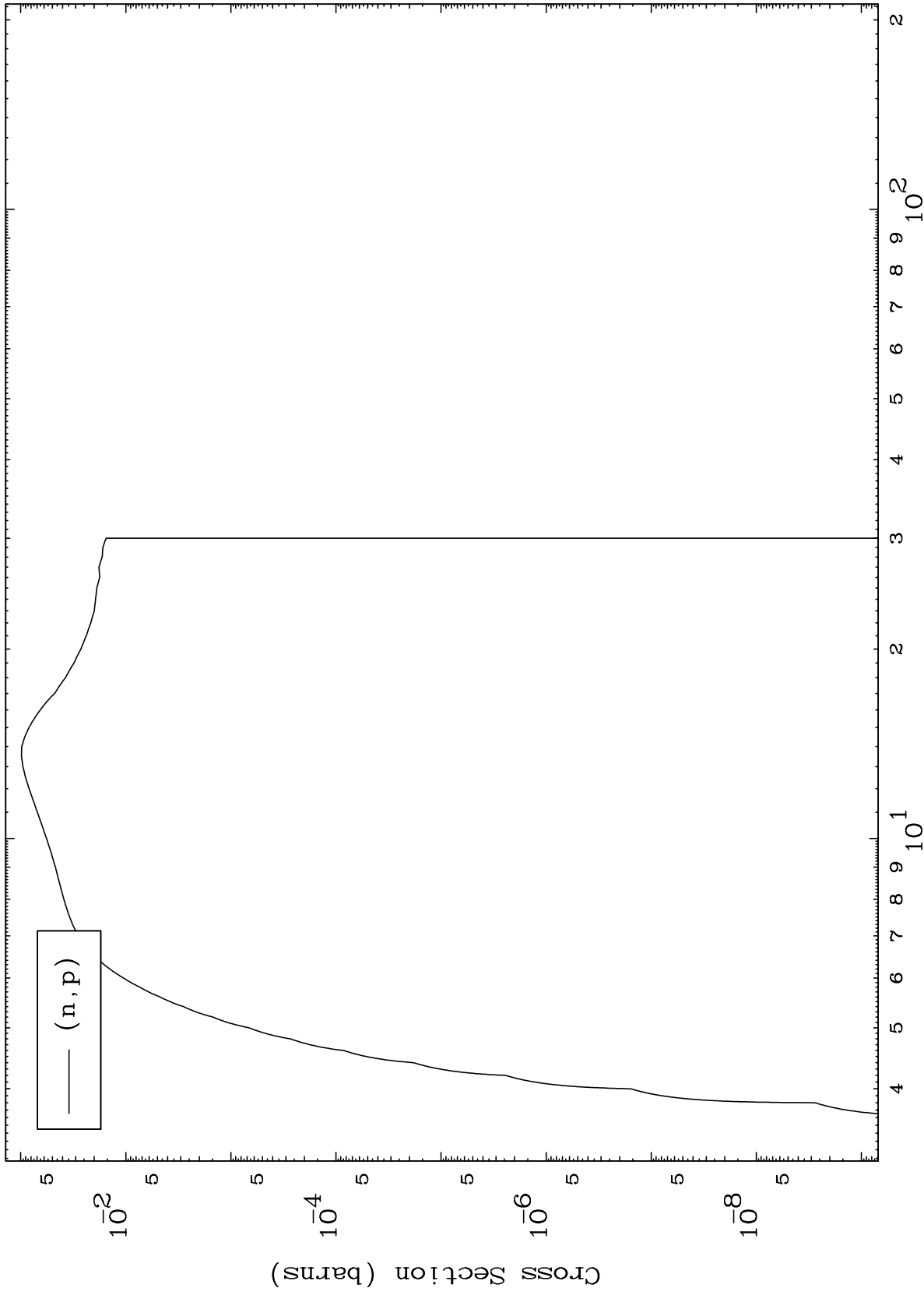
Incident Energy (MeV)

24-Cr-52

MAT 2431

24-Cr-52

(n,p) Levels
293 Kelvin Cross Sections



9

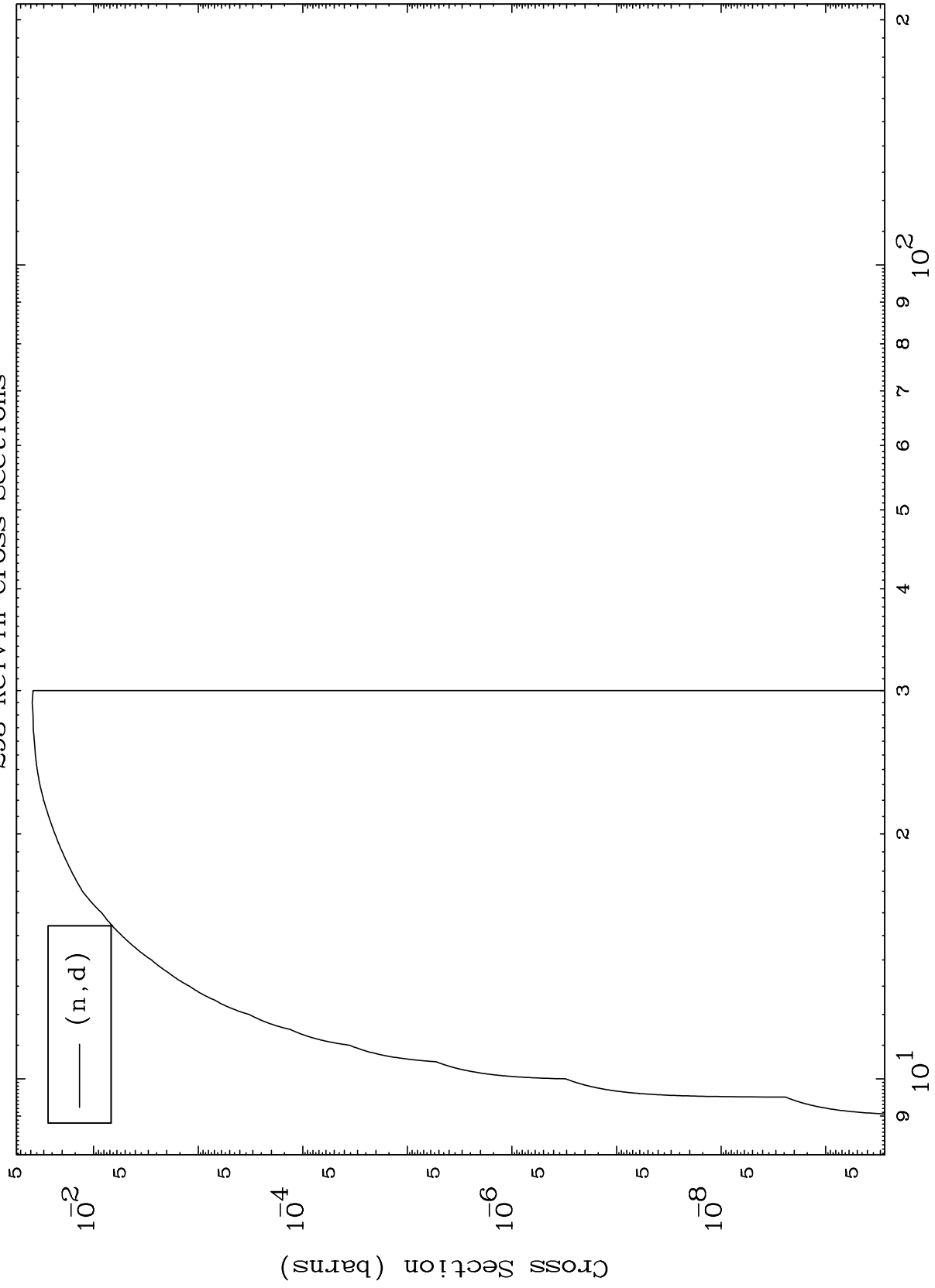
Incident Energy (MeV)

24-Cr-52

MAT 2431

(n,d) Levels
293 Kelvin Cross Sections

24-Cr-52



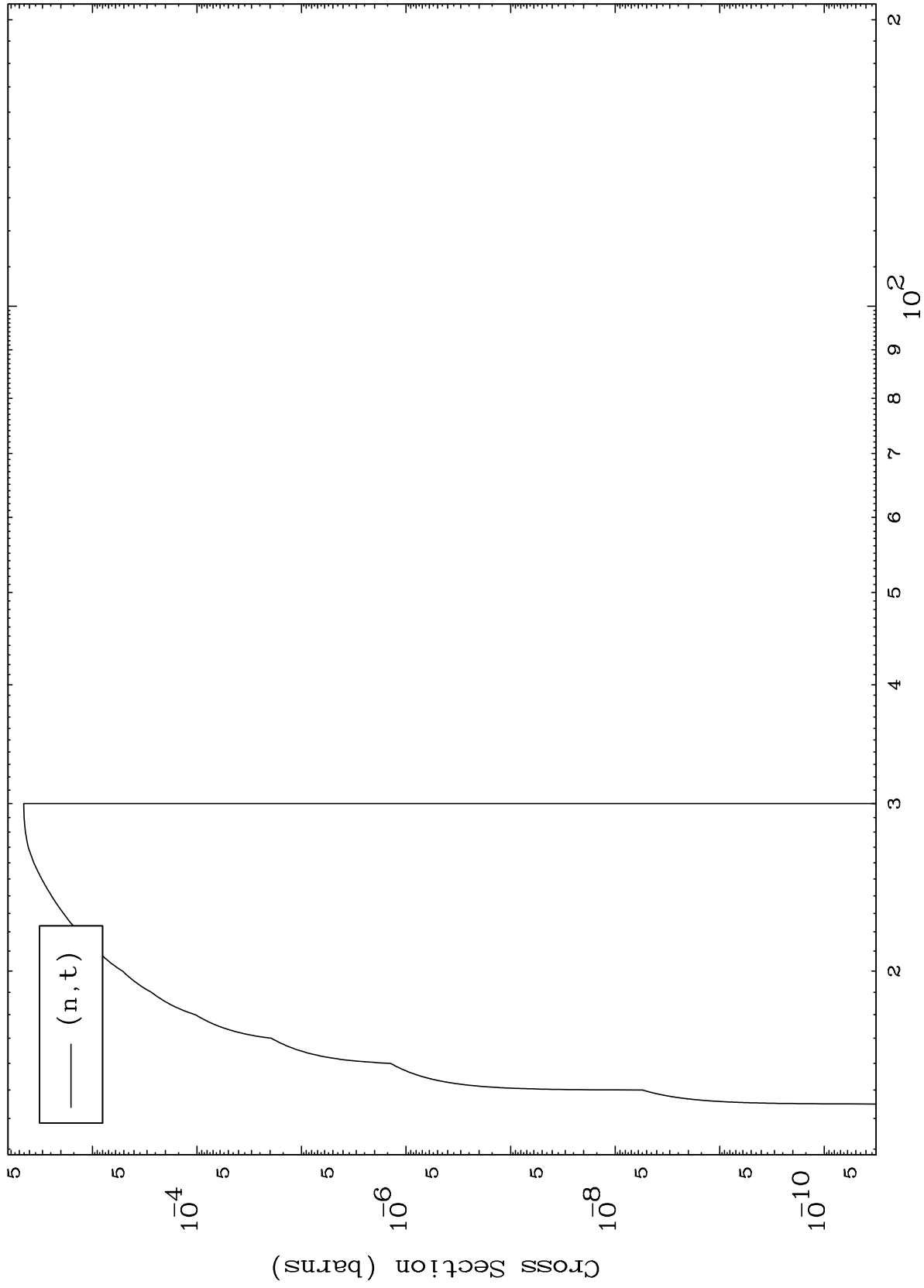
Incident Energy (MeV)

24-Cr-52

MAT 2431

(n,t) Levels
293 Kelvin Cross Sections

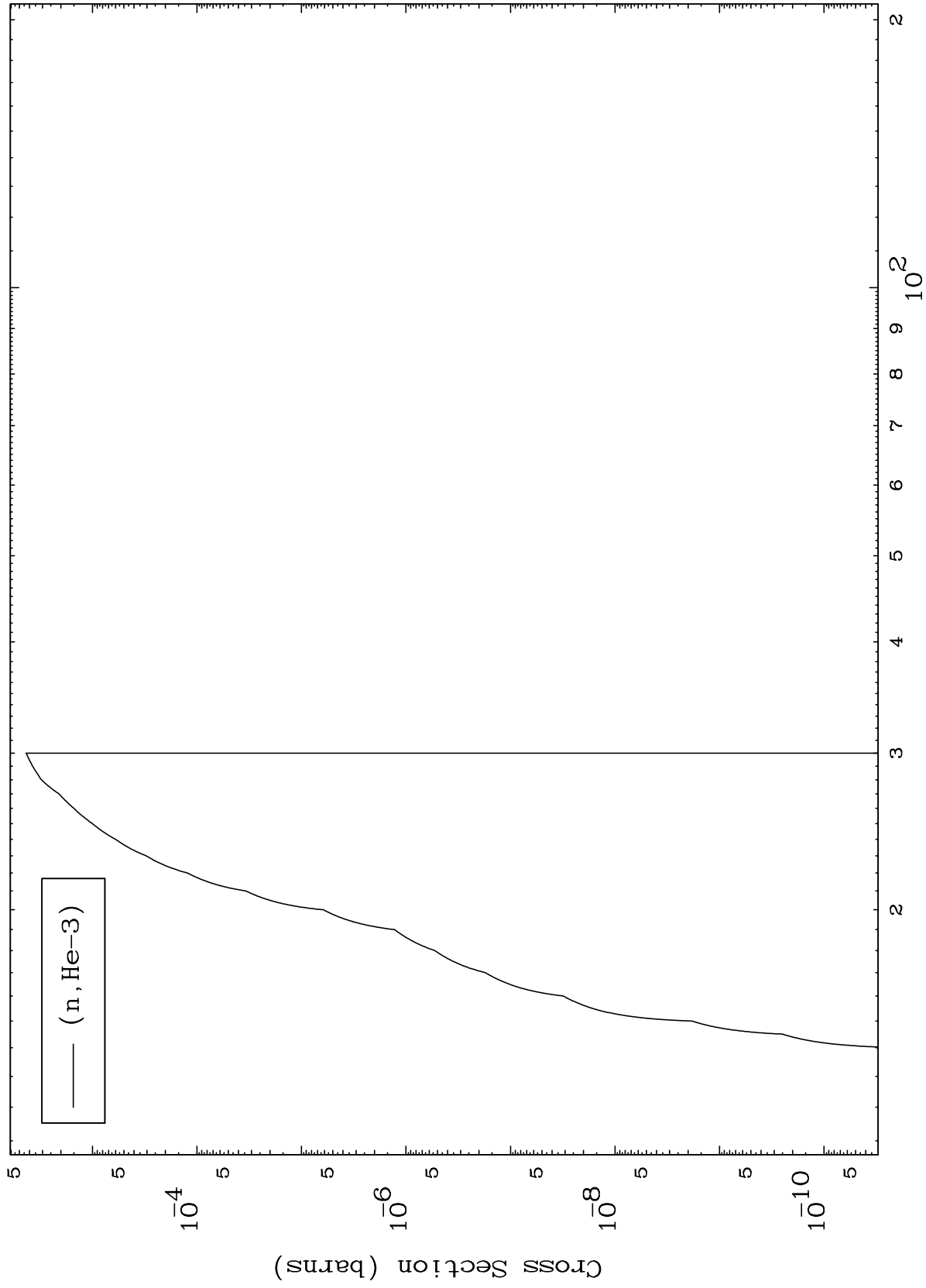
24-Cr-52



MAT 2431

(n,He3) Levels
293 Kelvin Cross Sections

24-Cr-52



12

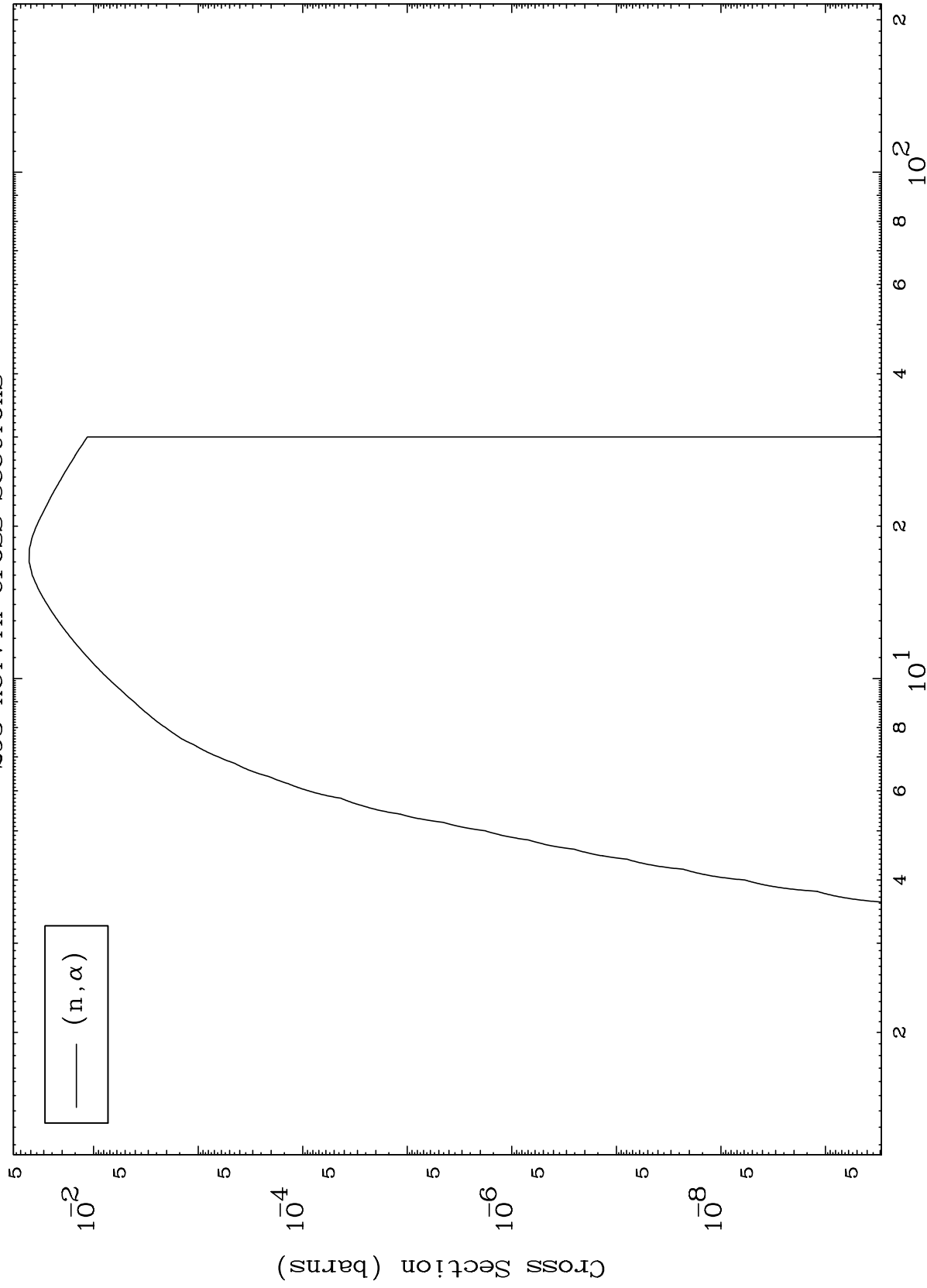
Incident Energy (MeV)

24-Cr-52

MAT 2431

(n,α) Levels
293 Kelvin Cross Sections

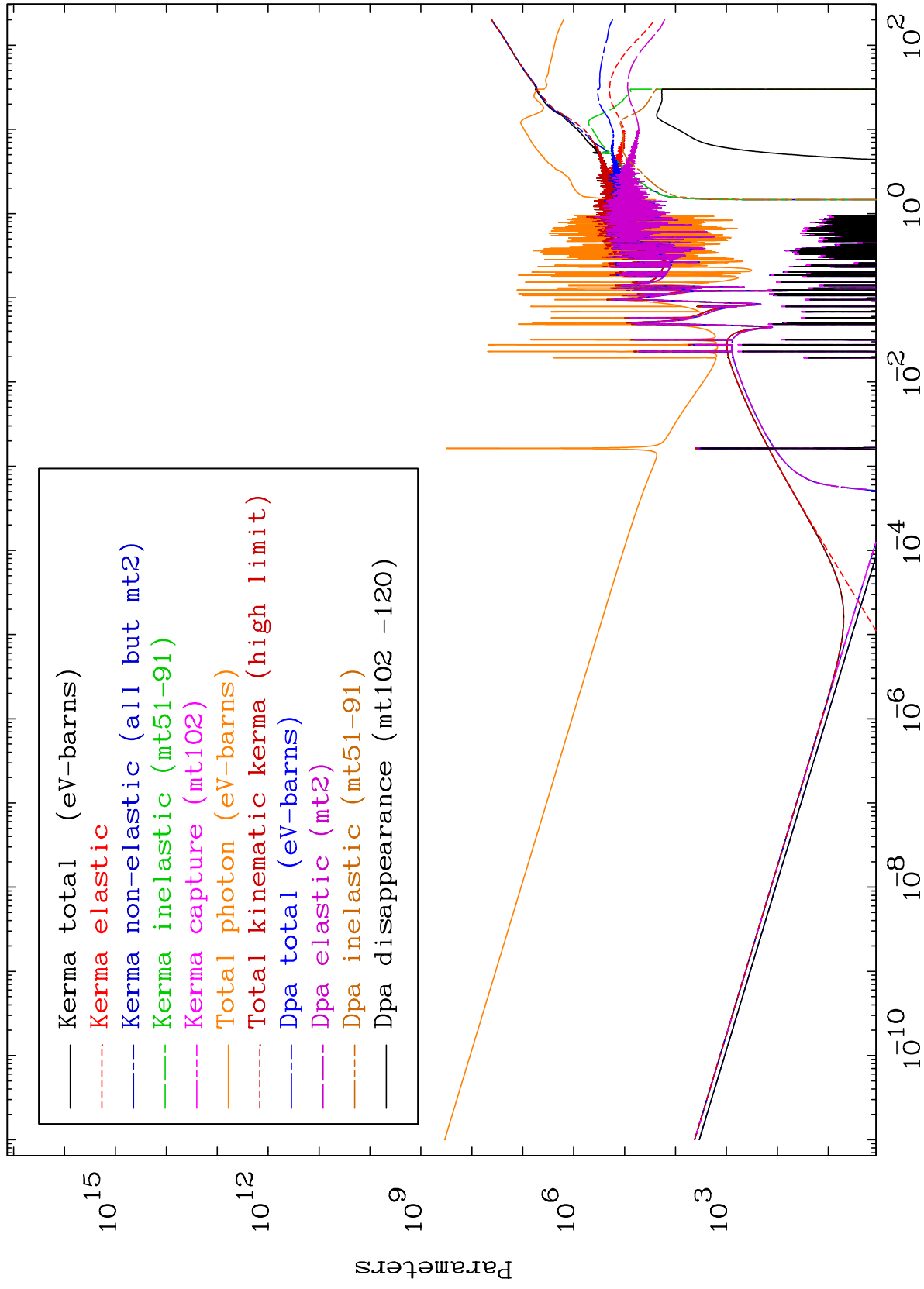
24-Cr-52



13

Incident Energy (MeV)

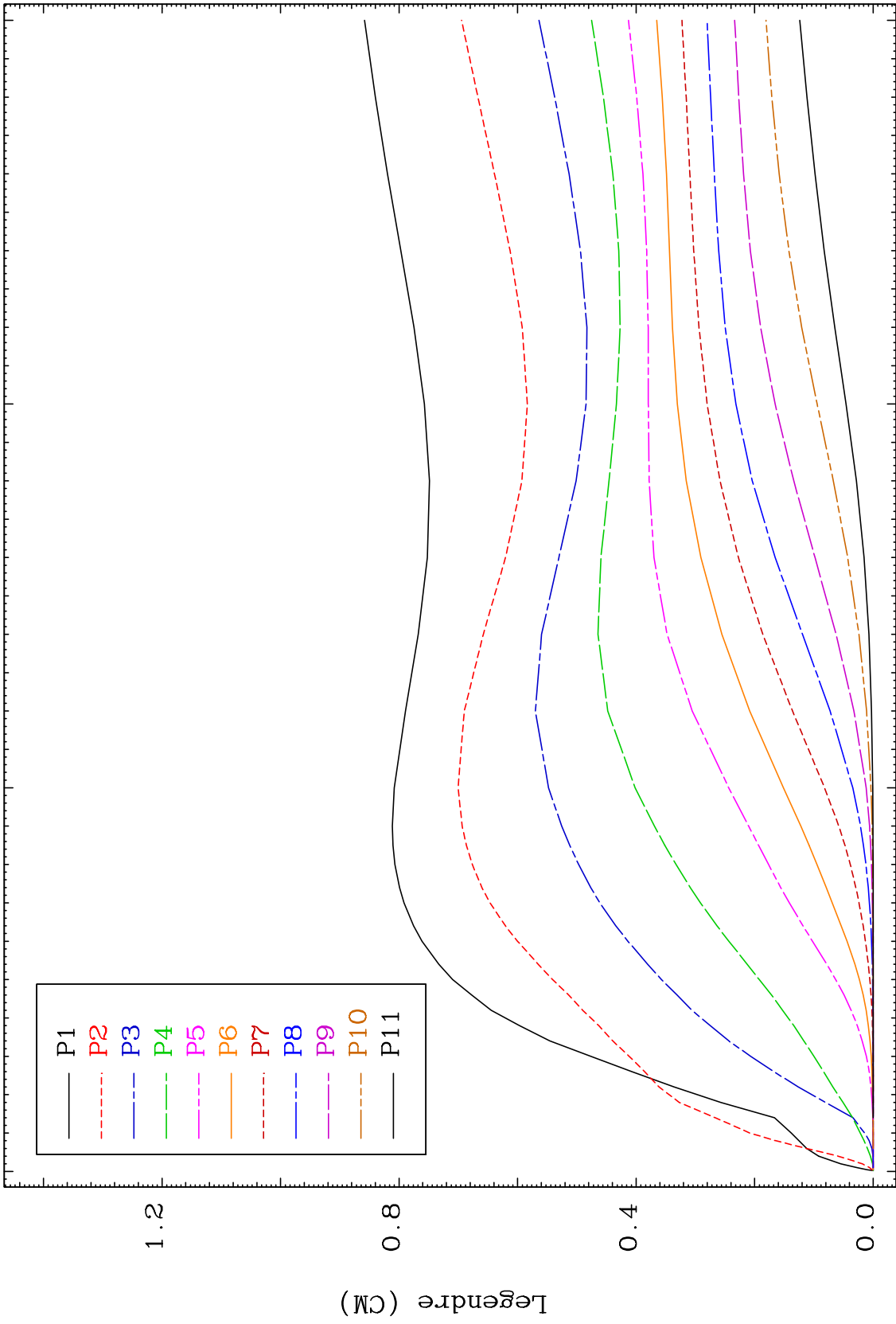
24-Cr-52



MAT 2431

Elastic Legendre Coefficients

24-Cr-52



15

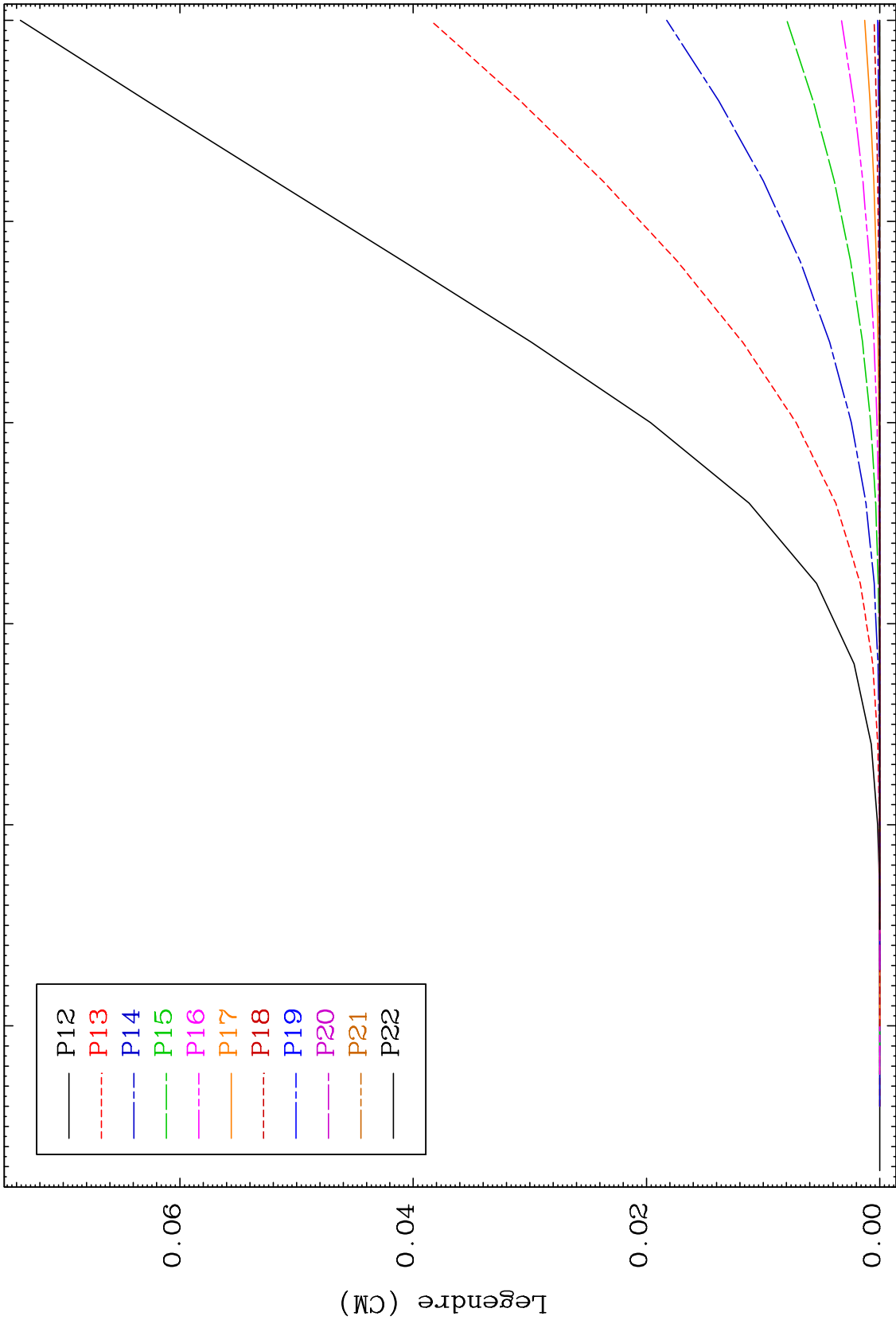
Incident Energy (MeV)

24-Cr-52

MAT 2431

Elastic Legendre Coefficients

²⁴Cr-52



16

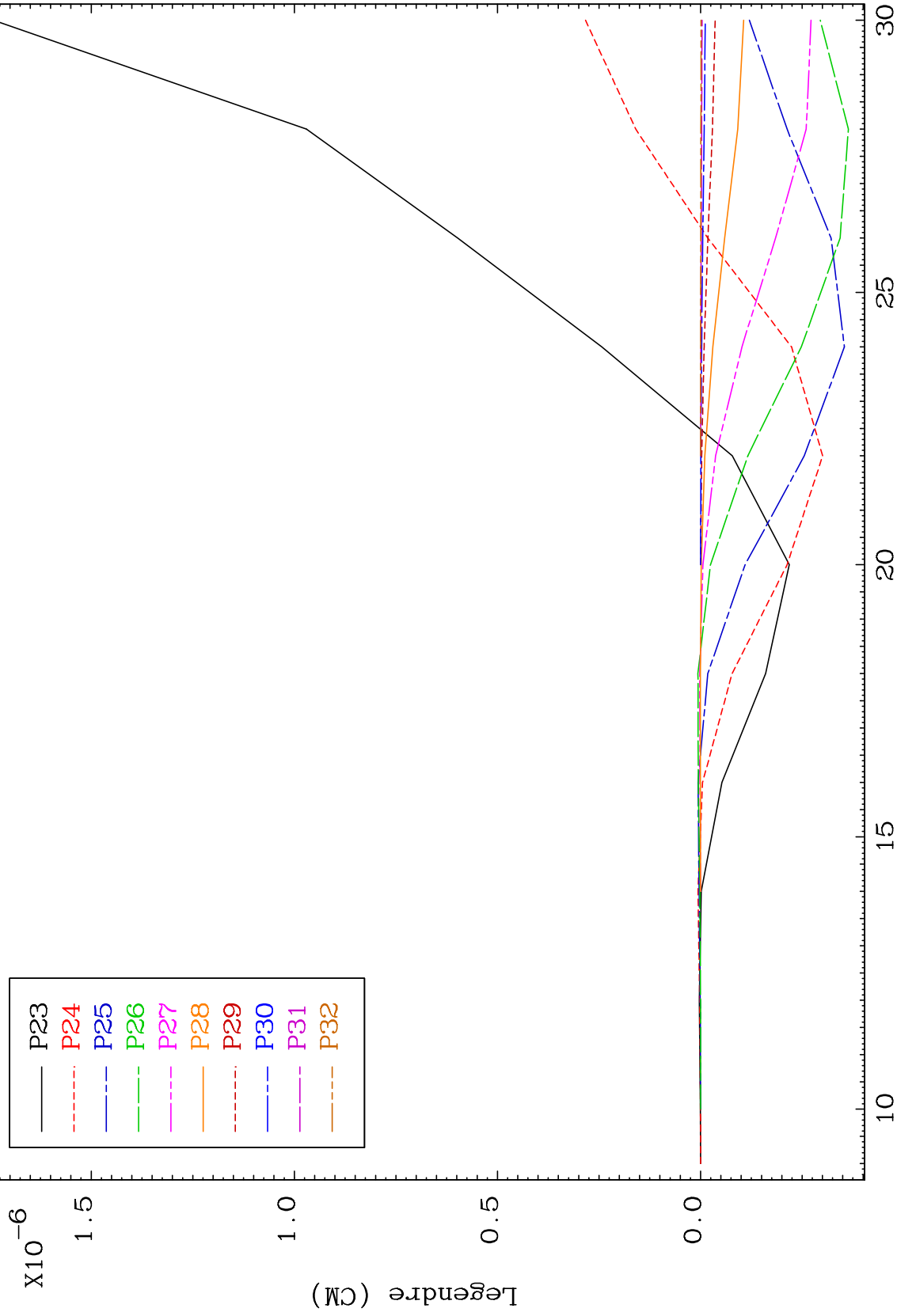
Incident Energy (MeV)

²⁴Cr-52

MAT 2431

Elastic Legendre Coefficients

24-Cr-52



17

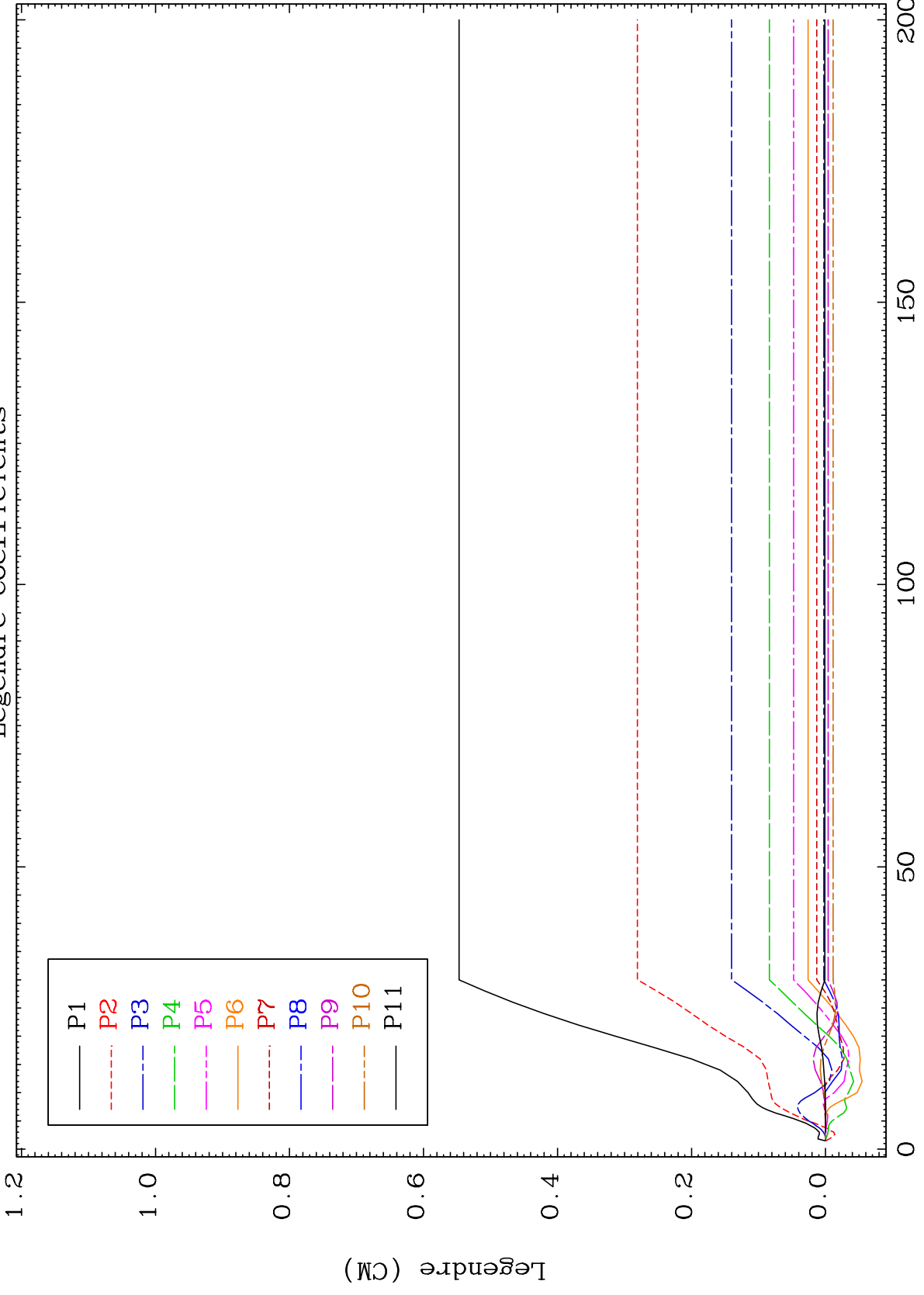
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



24-Cr-52

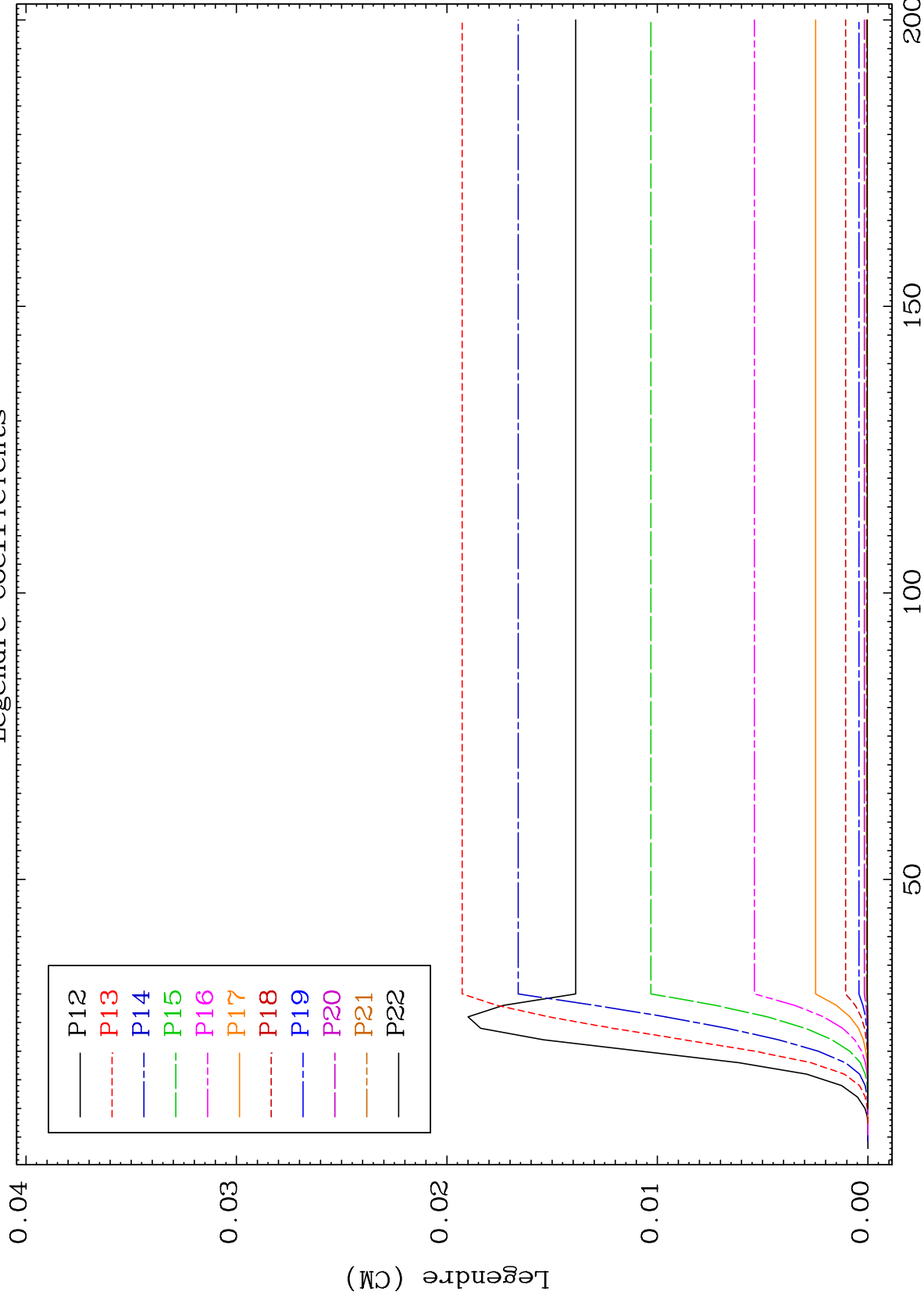
Incident Energy (MeV)

18

MAT 2431

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

24-Cr-52



19

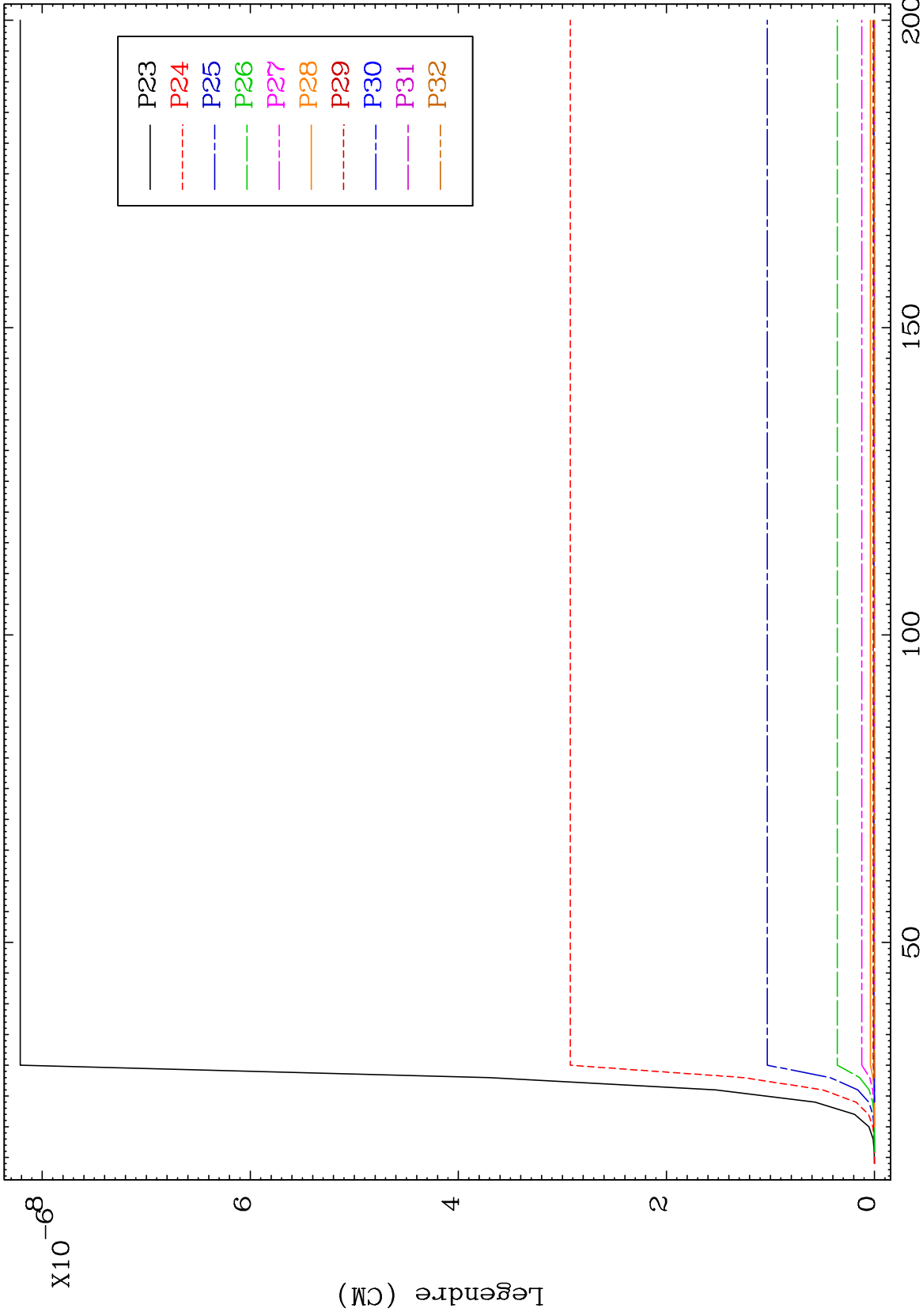
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



20

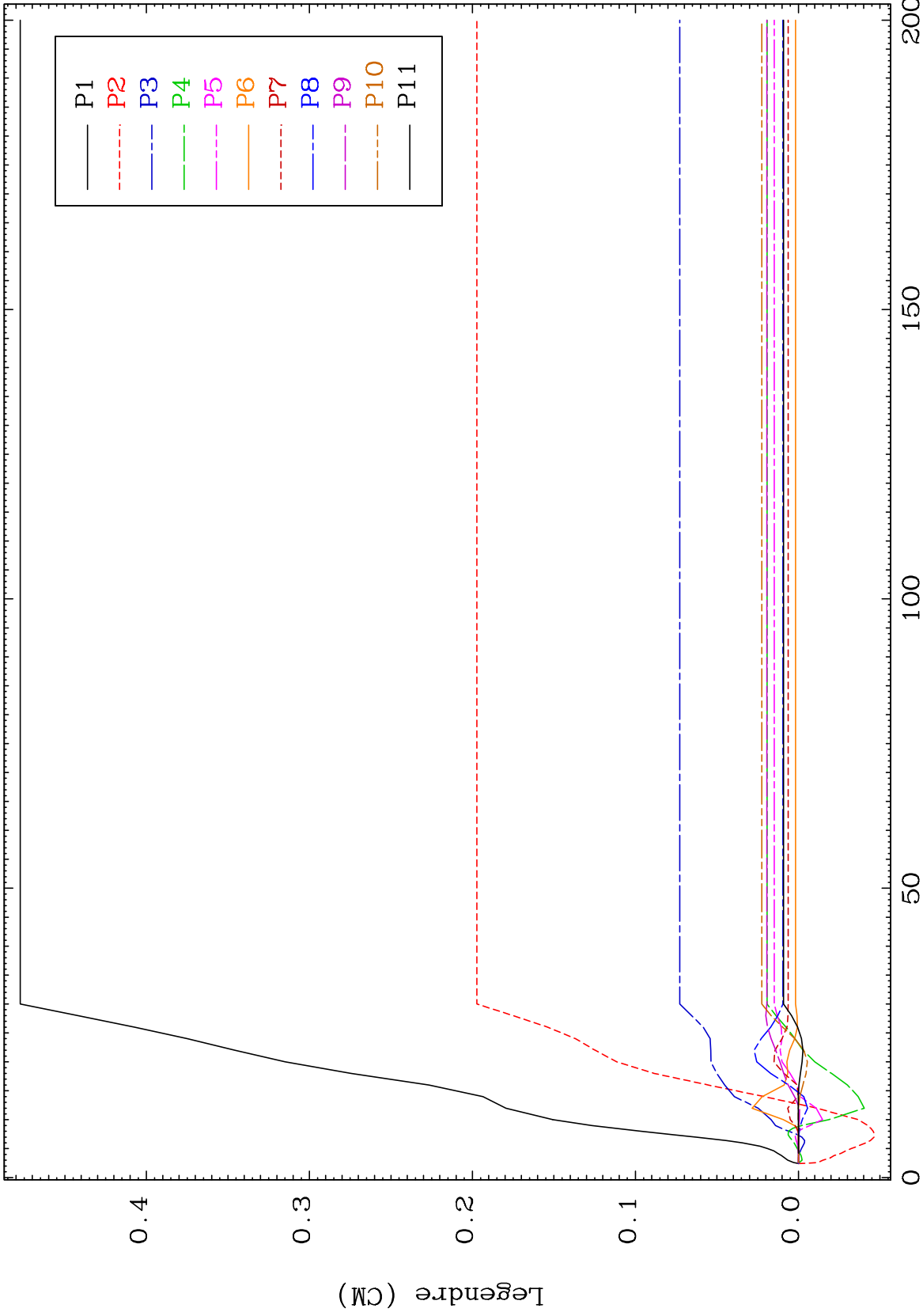
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



21

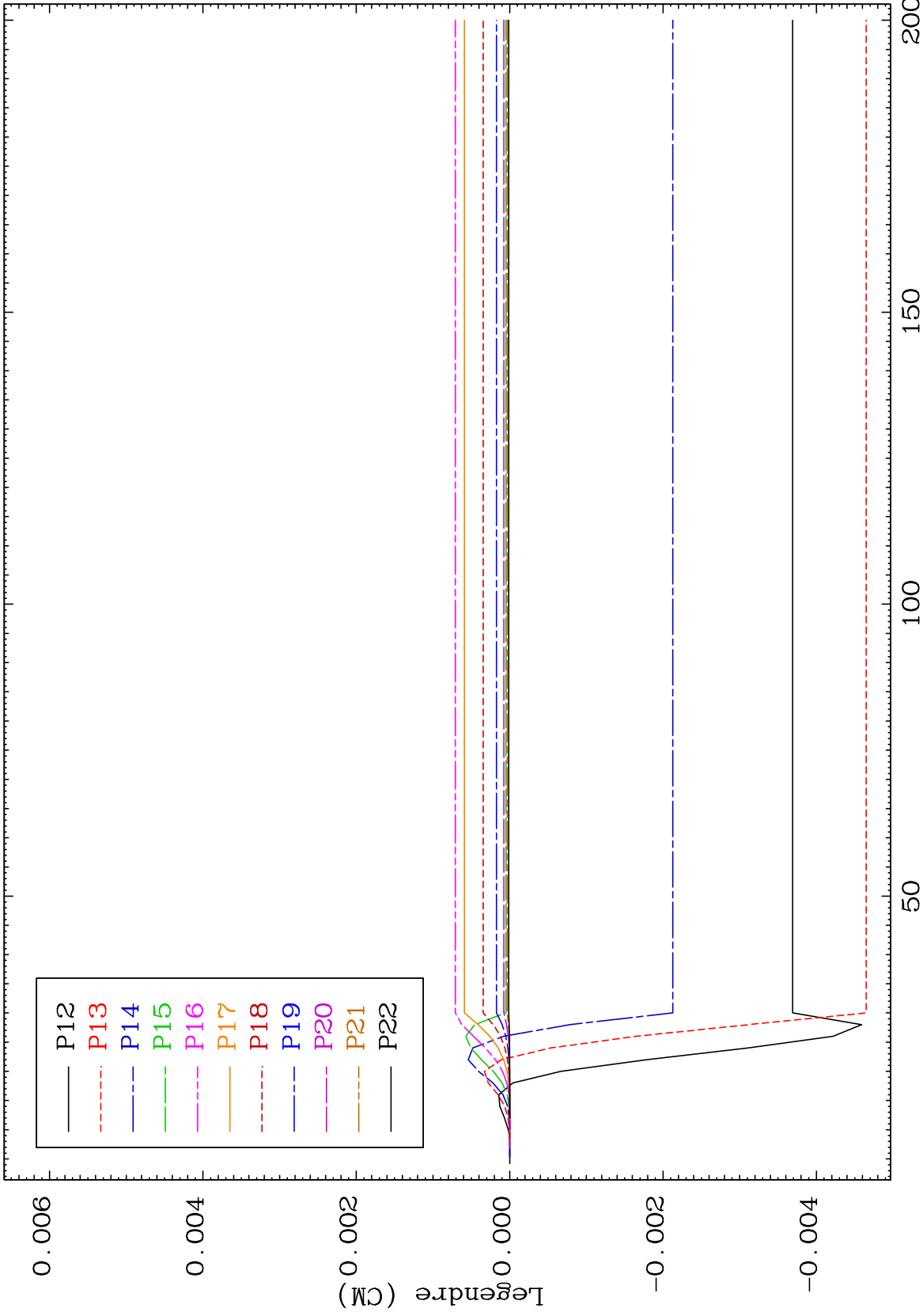
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



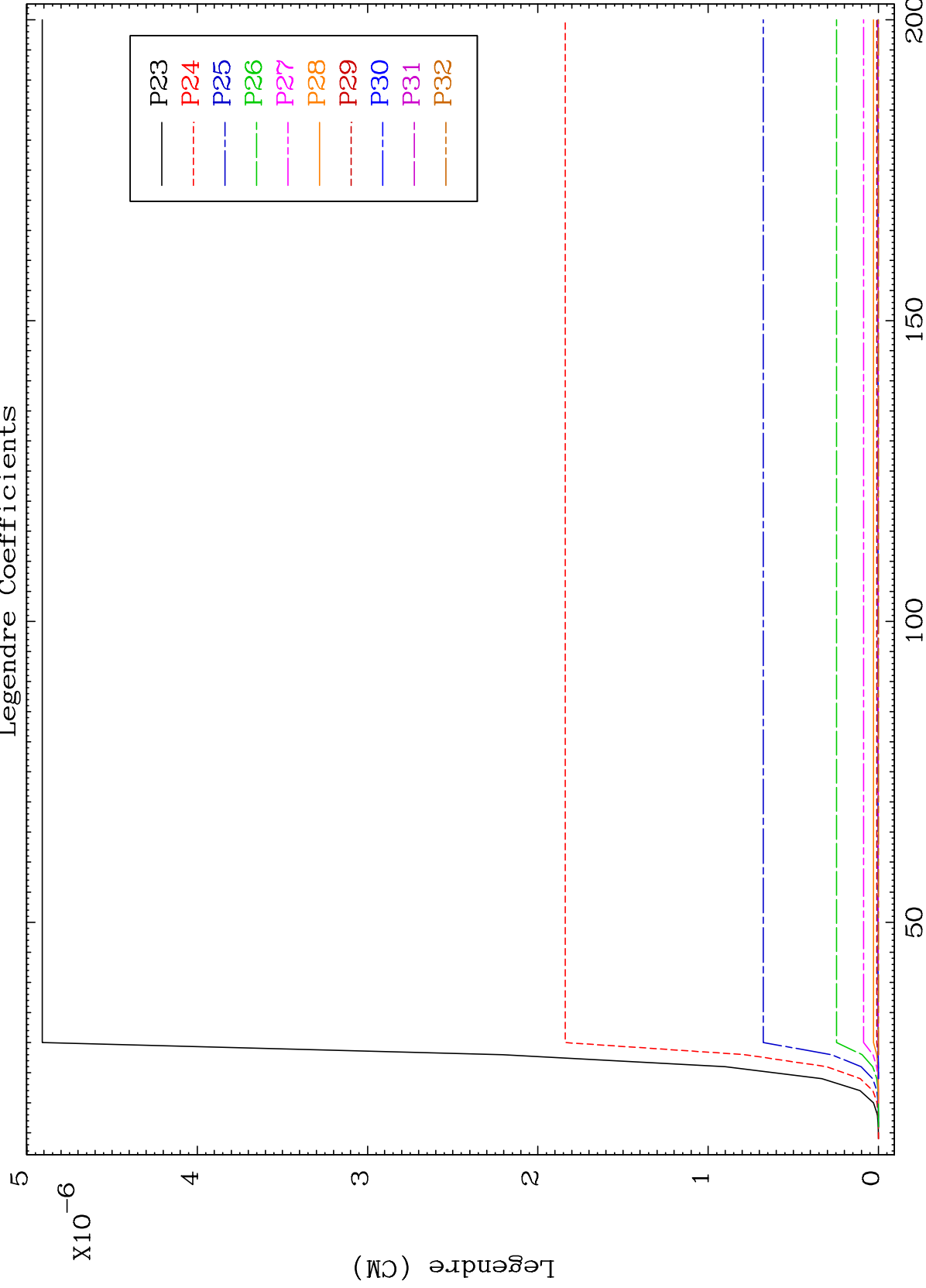
22

24-Cr-52

MAT 2431

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

24-Cr-52



23

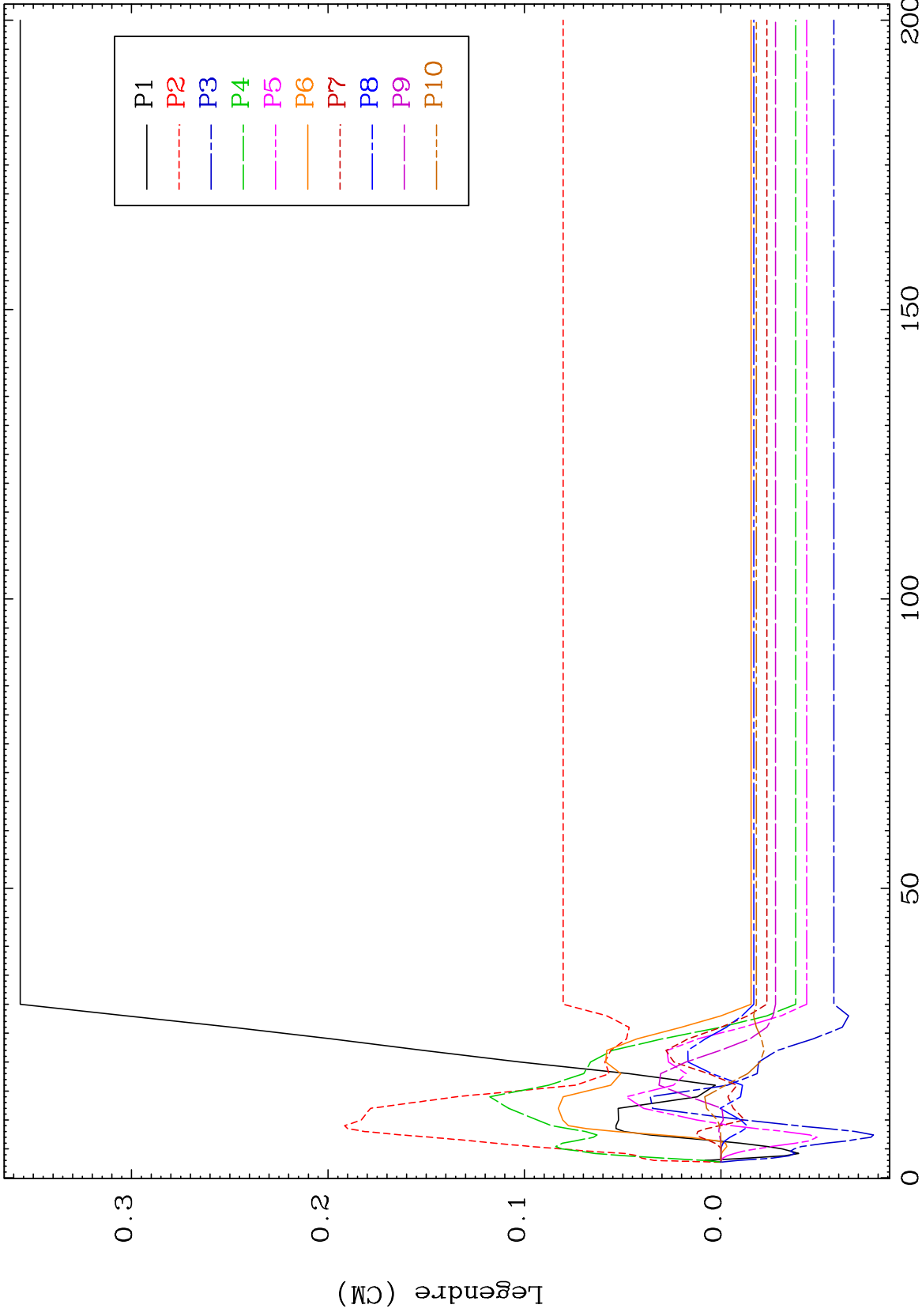
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



24

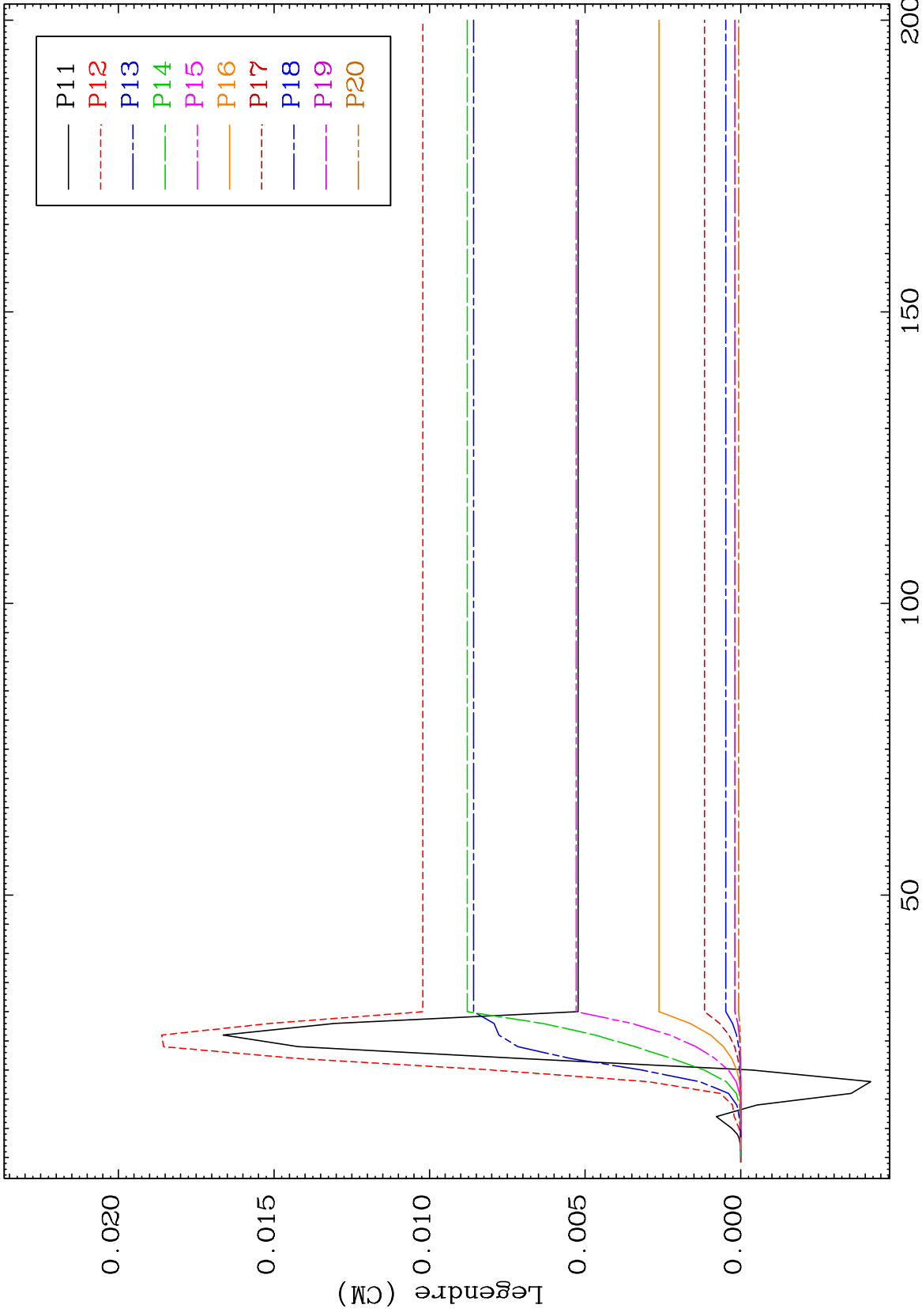
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



25

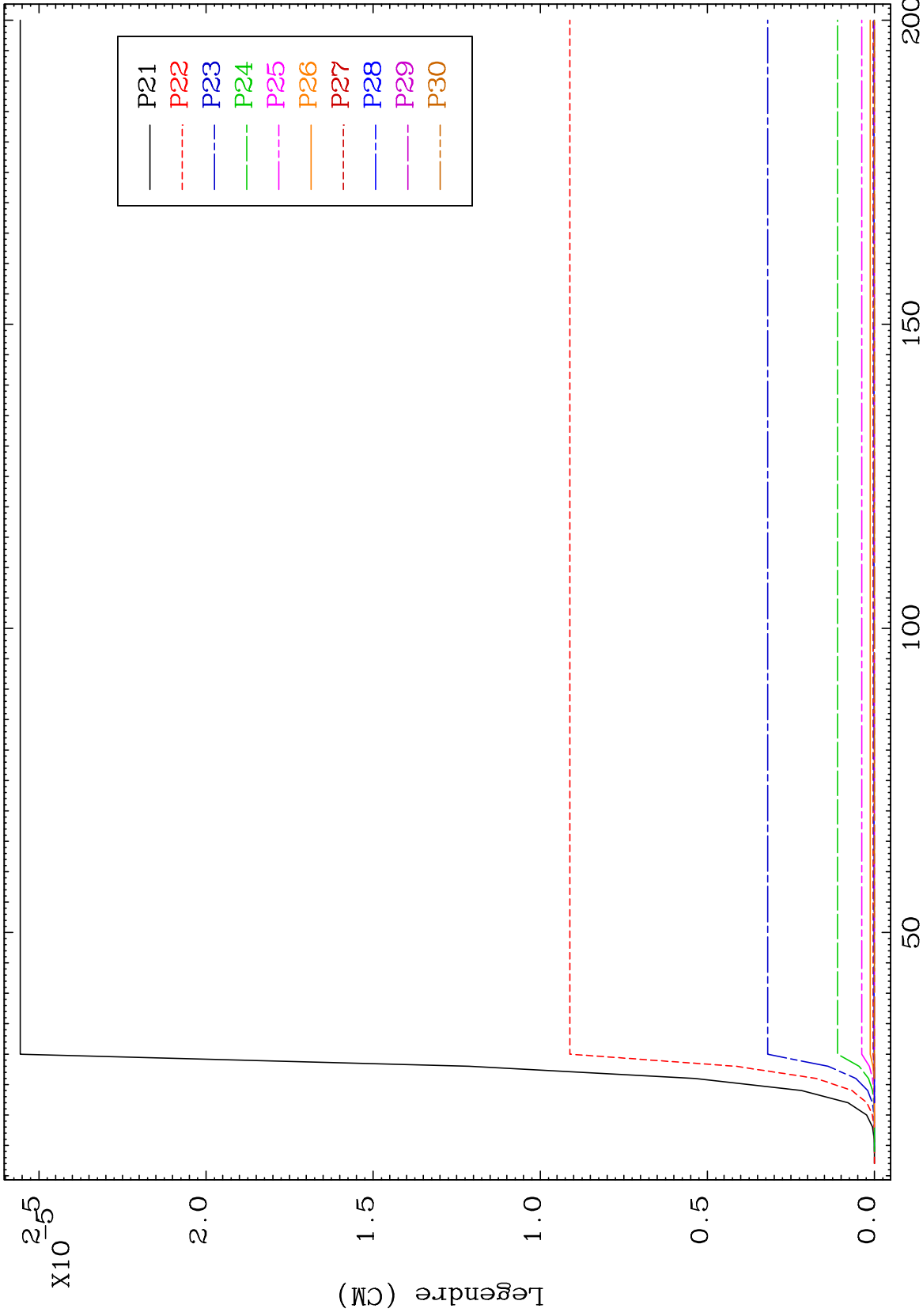
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



26

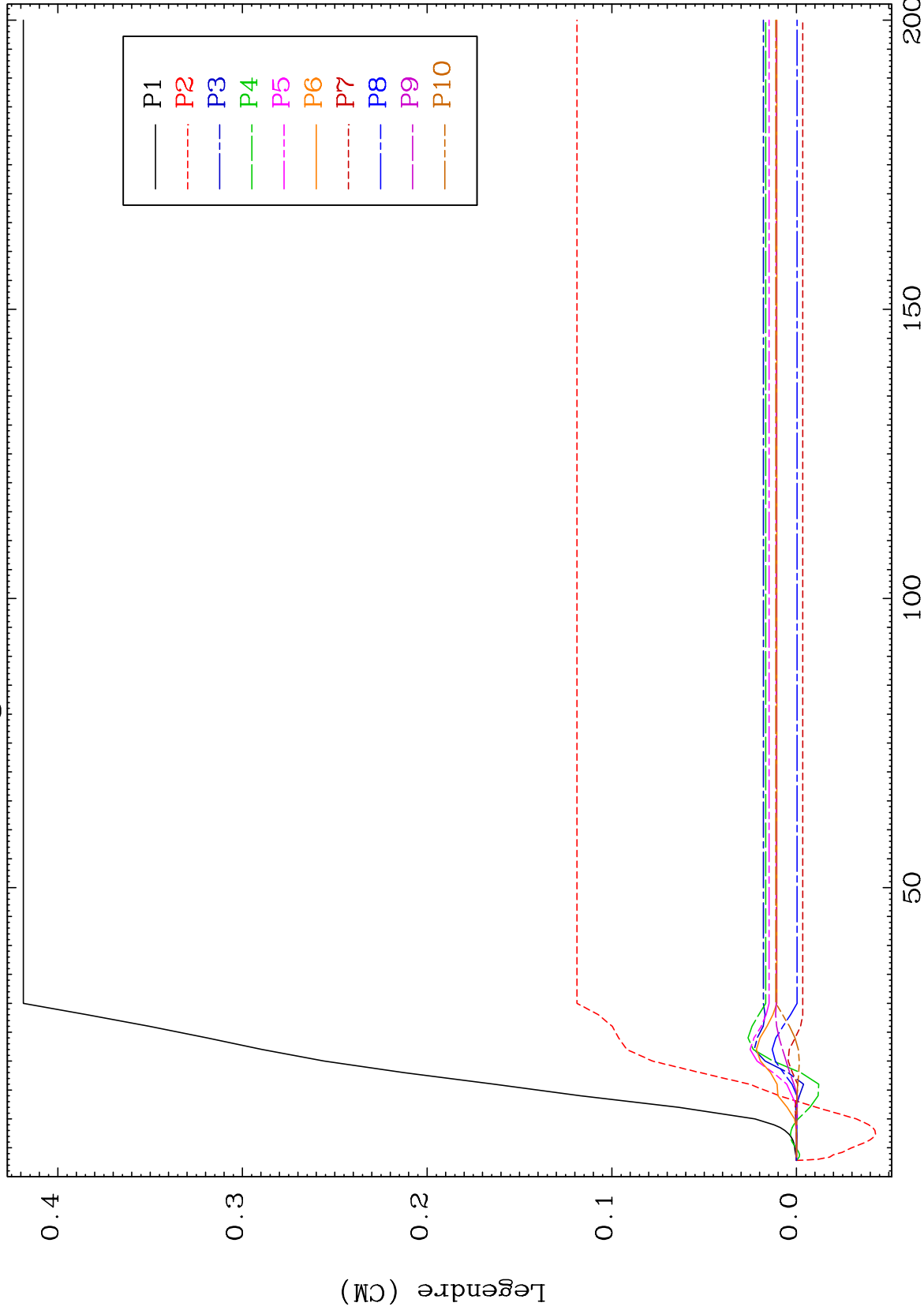
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



27

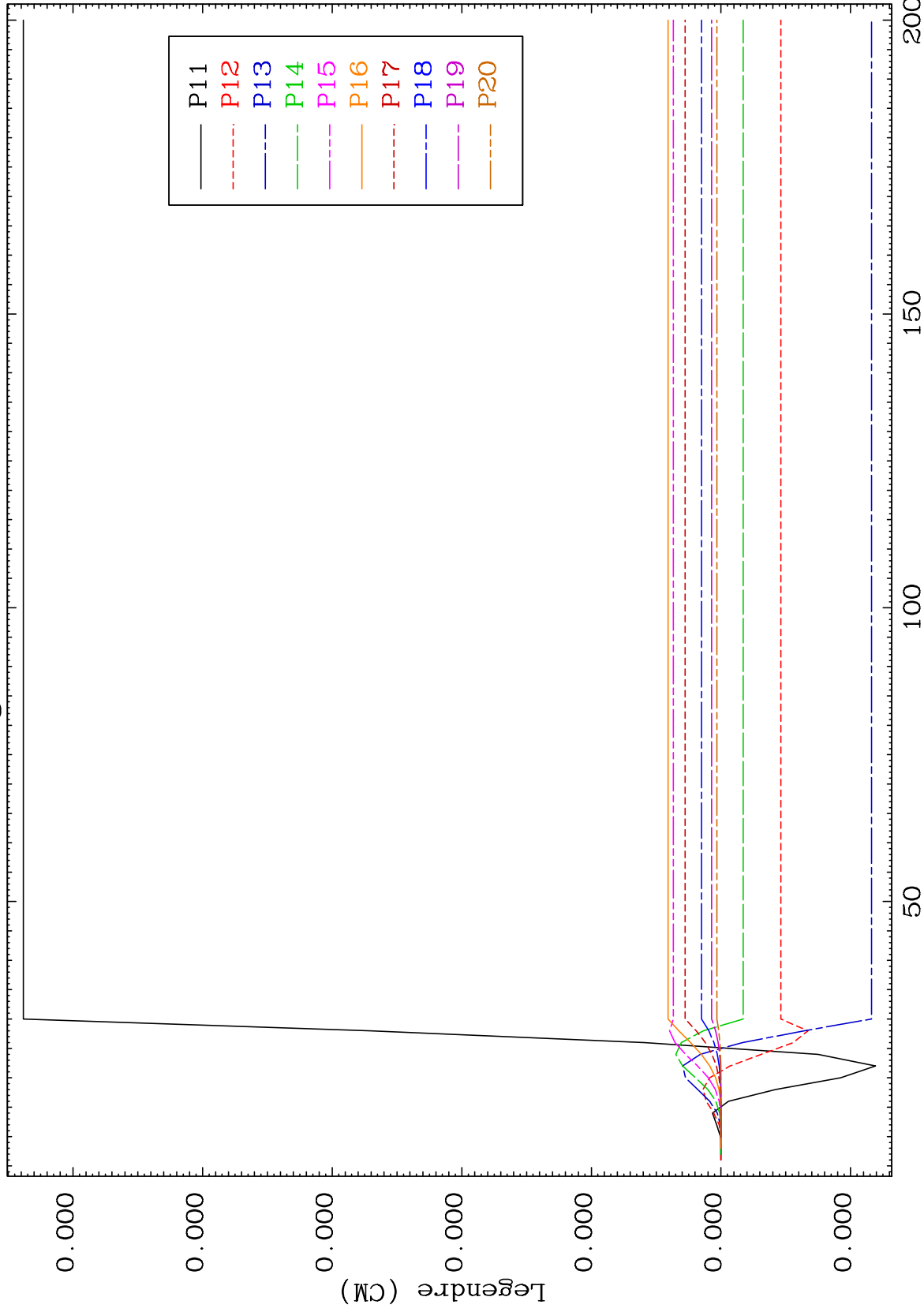
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



28

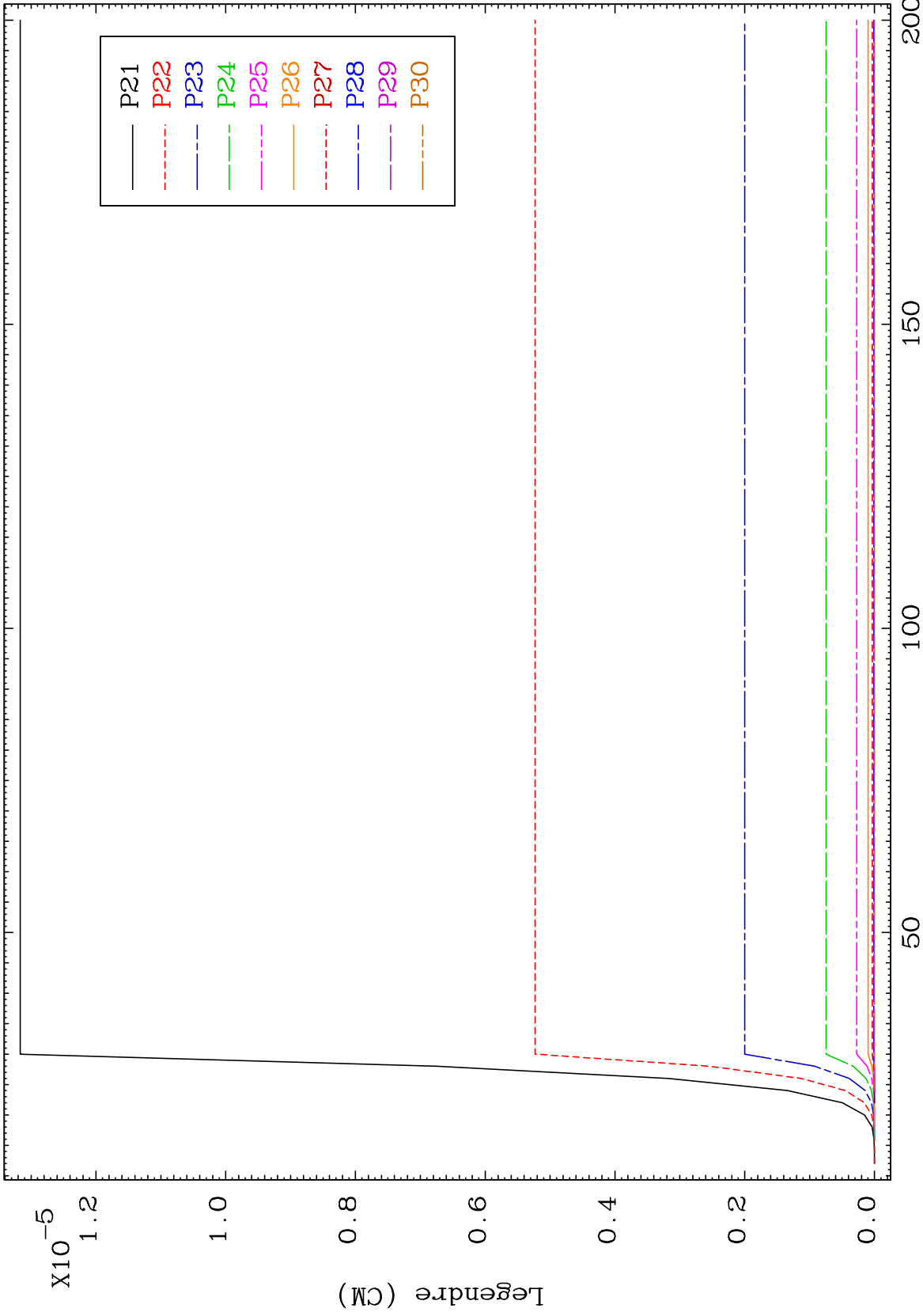
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



29

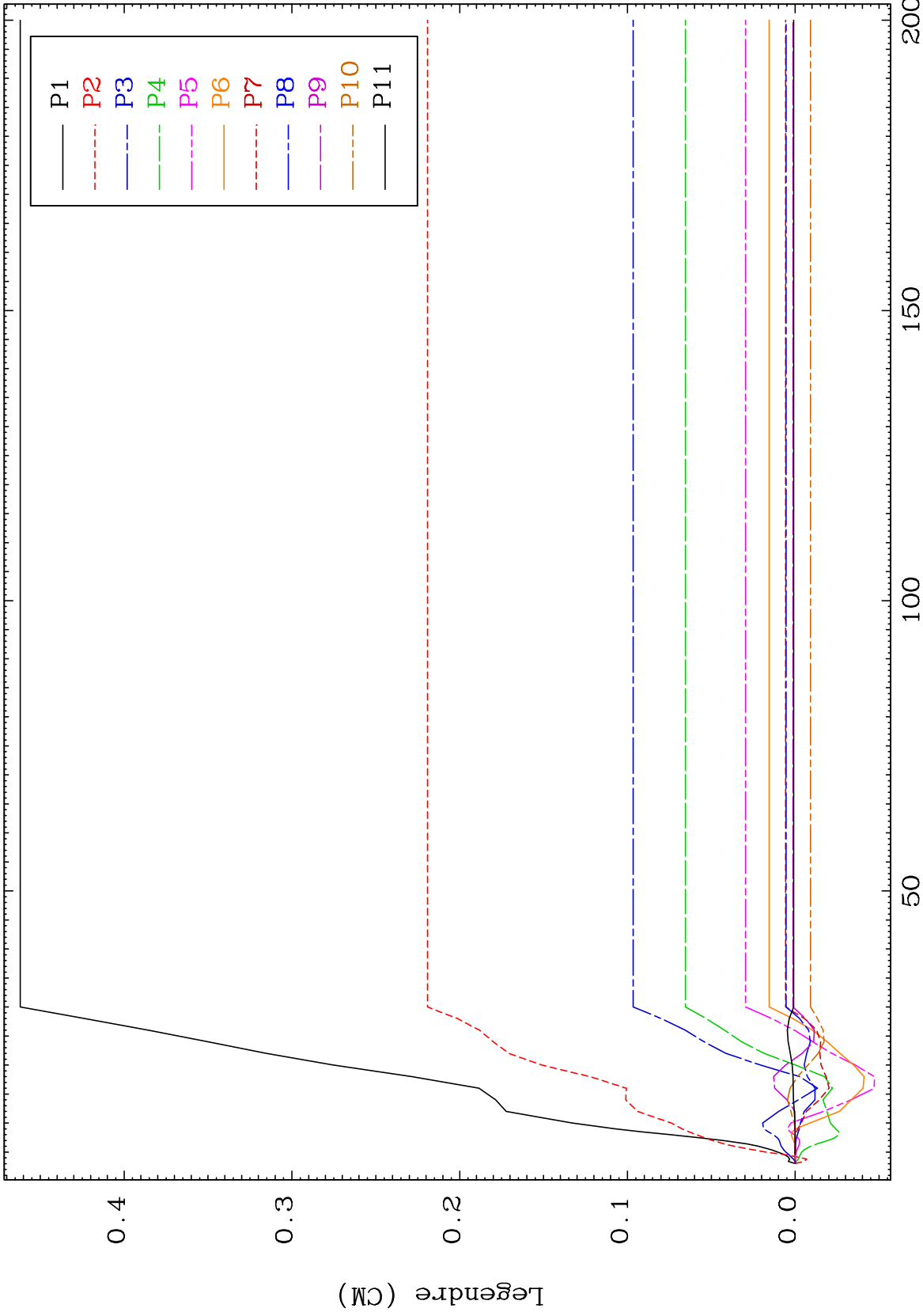
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



30

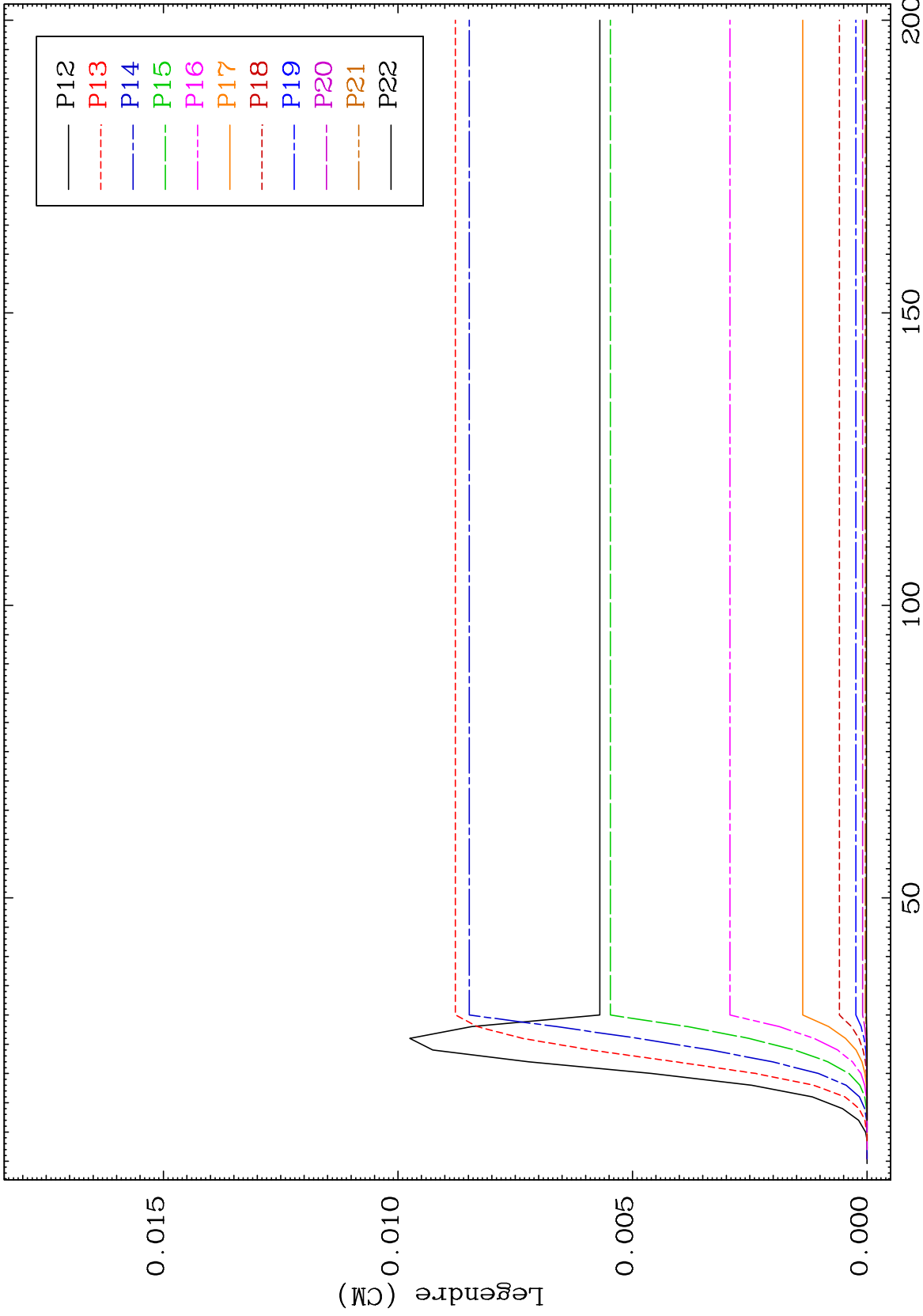
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



31

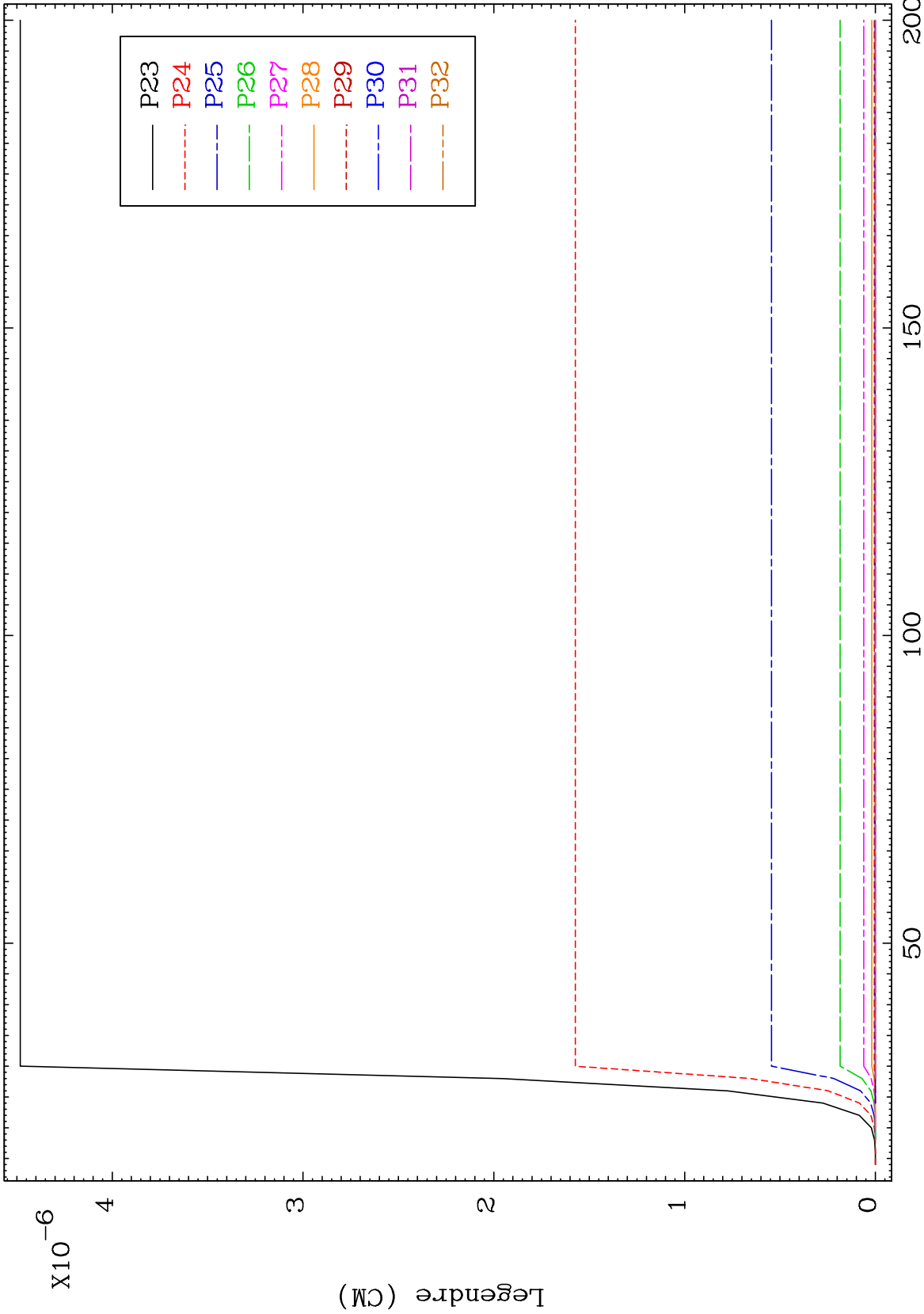
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



32

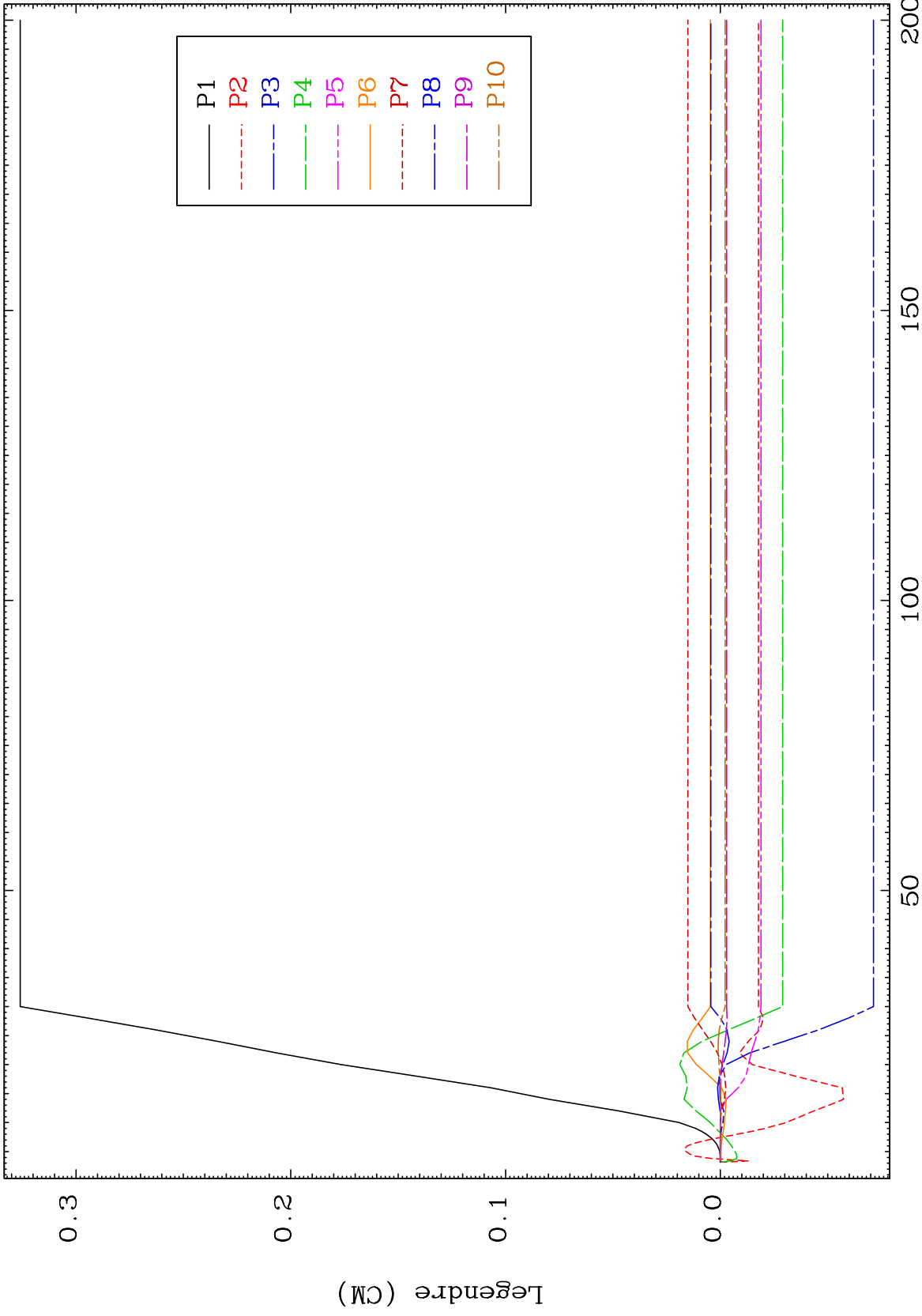
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52

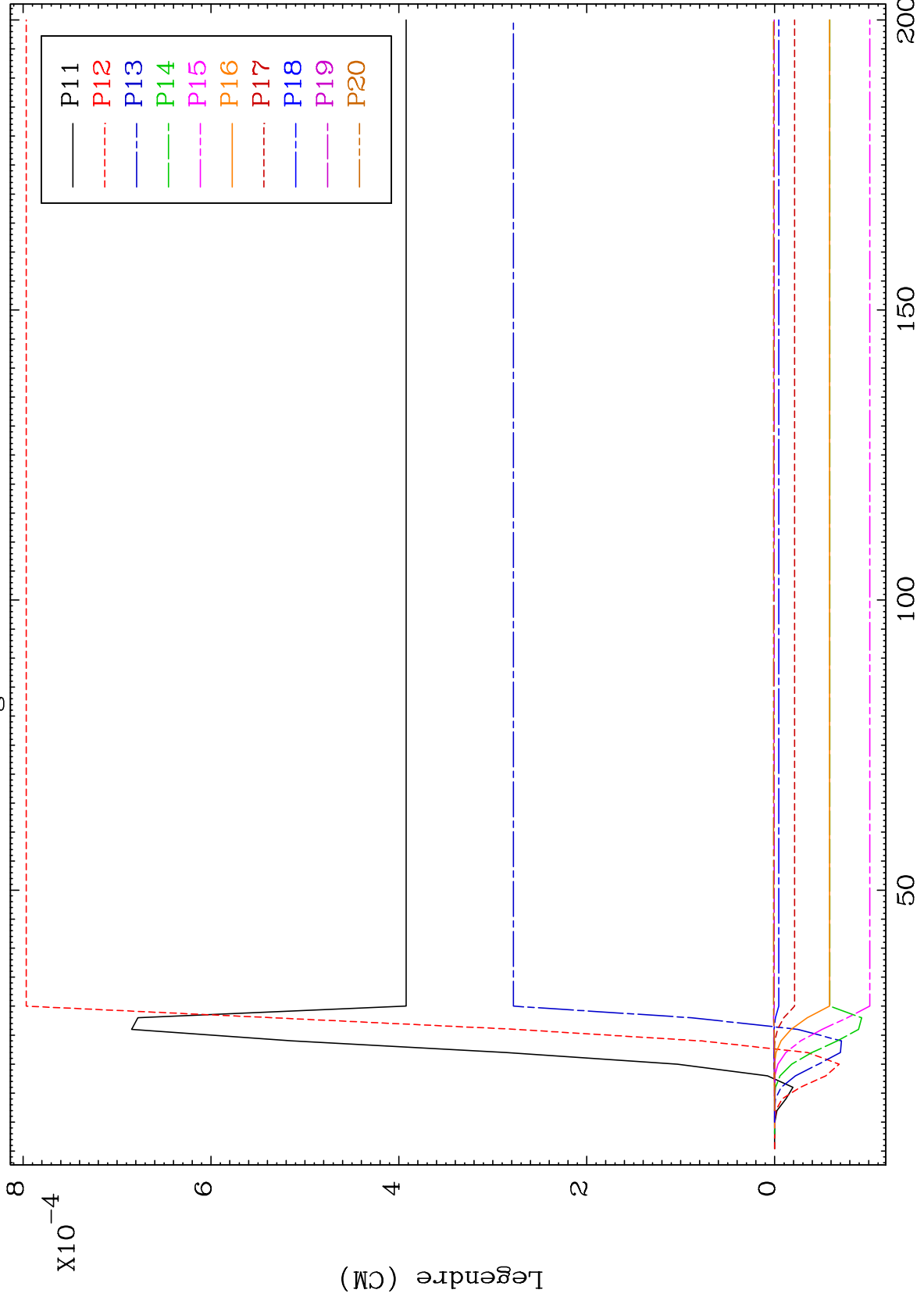


33

Incident Energy (MeV)

24-Cr-52

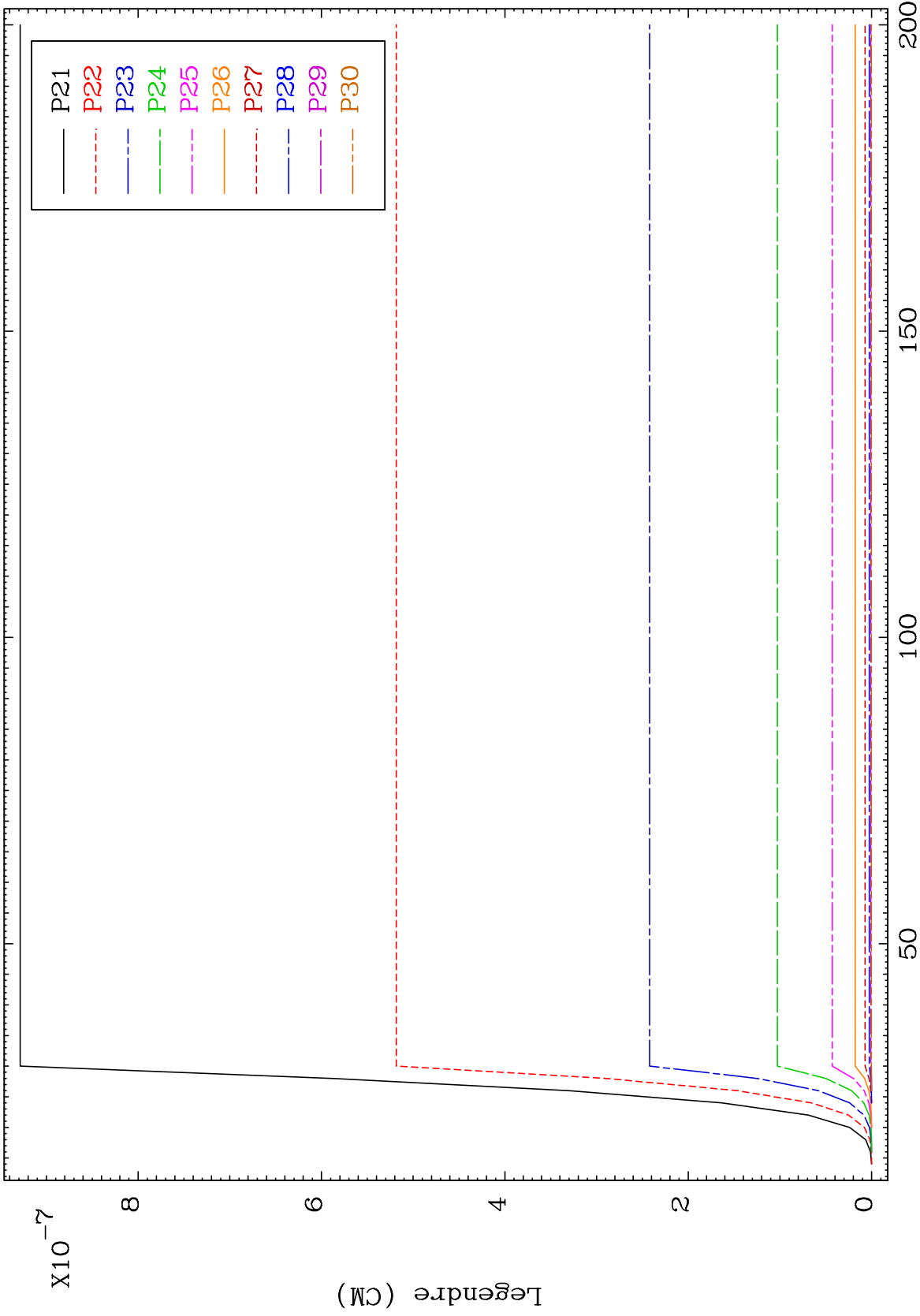
MAT 2431 MT= 56 (n,n') Level Legendre Coefficients 24-Cr-52



MAT 2431

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

24-Cr-52

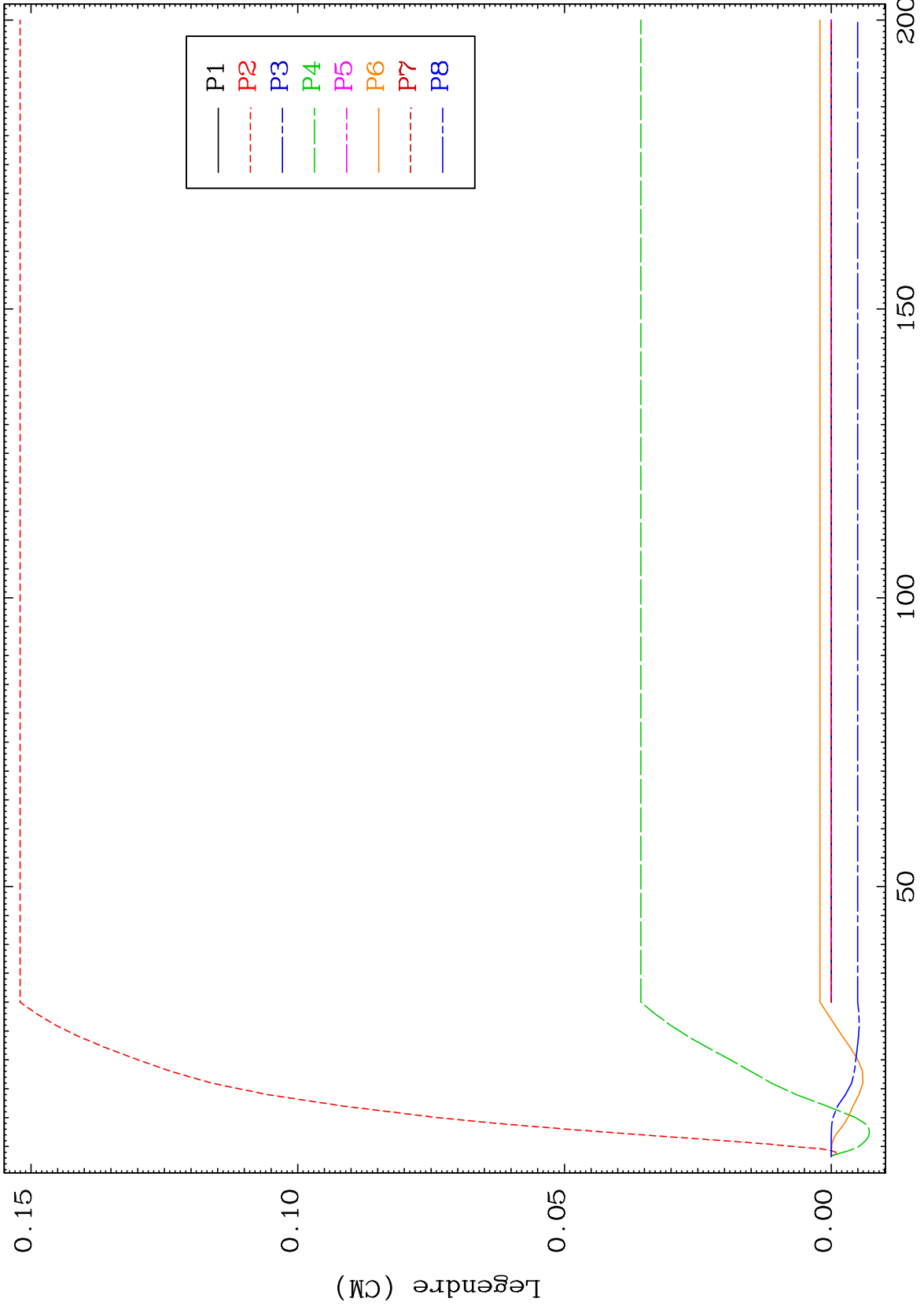


35

Incident Energy (MeV)

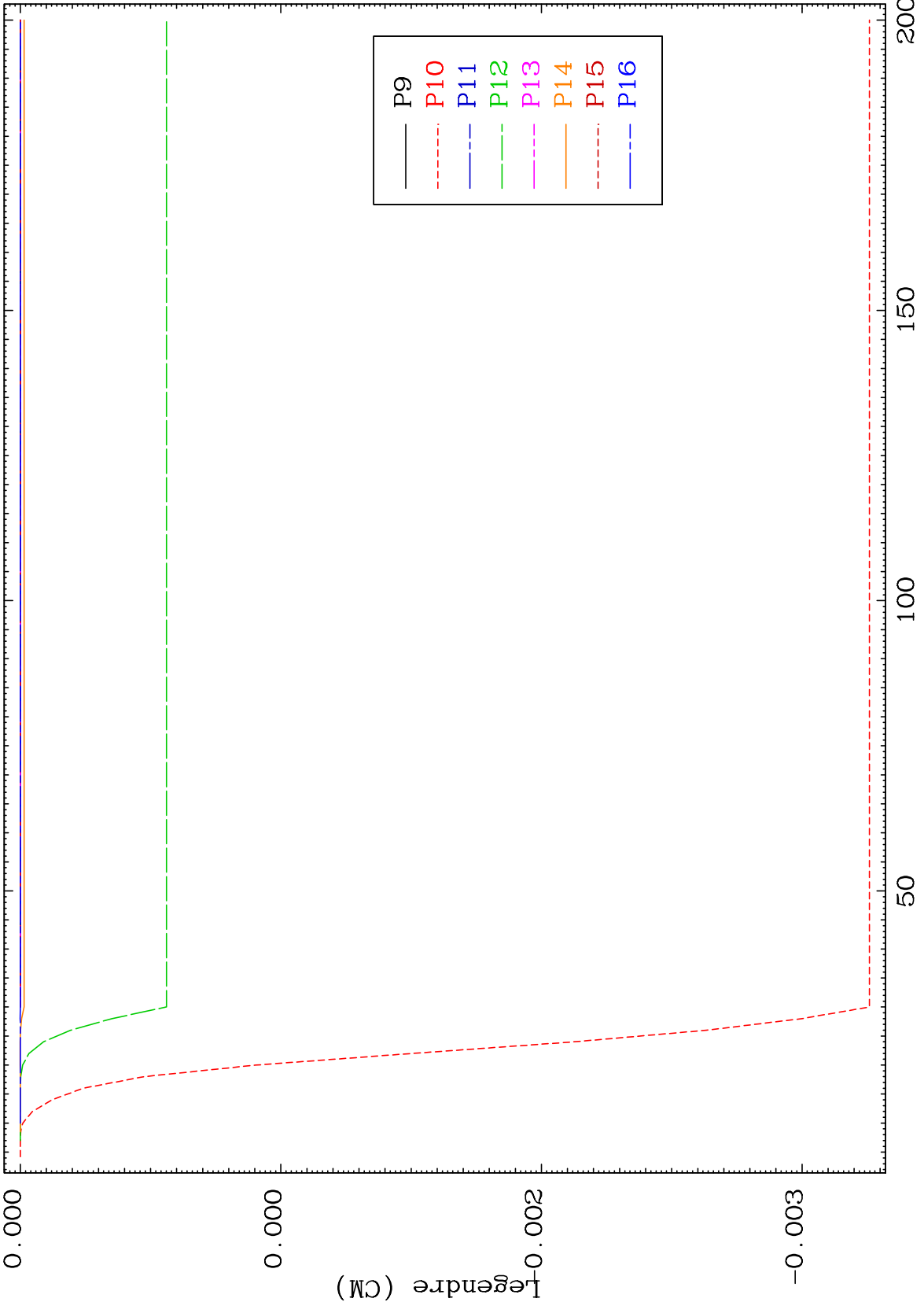
24-Cr-52

MAT 2431 MT= 57 (n,n') Level Legendre Coefficients 24-Cr-52



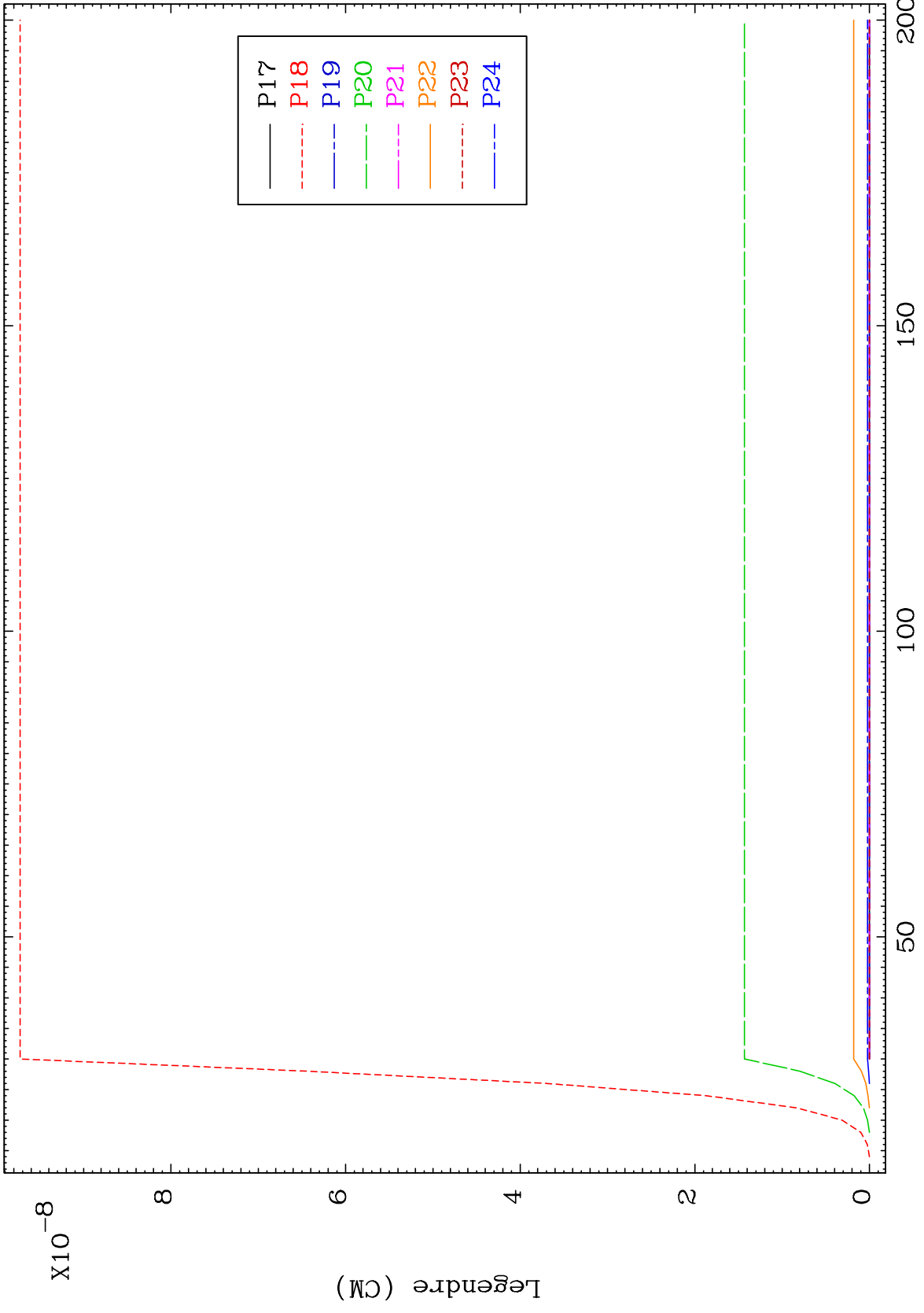
36 50 100 150 200 24-Cr-52

MAT 2431 MT= 57 (n,n') Level Legendre Coefficients 24-Cr-52



37 24-Cr-52

MAT 2431 MT= 57 (n,n') Level Legendre Coefficients 24-Cr-52

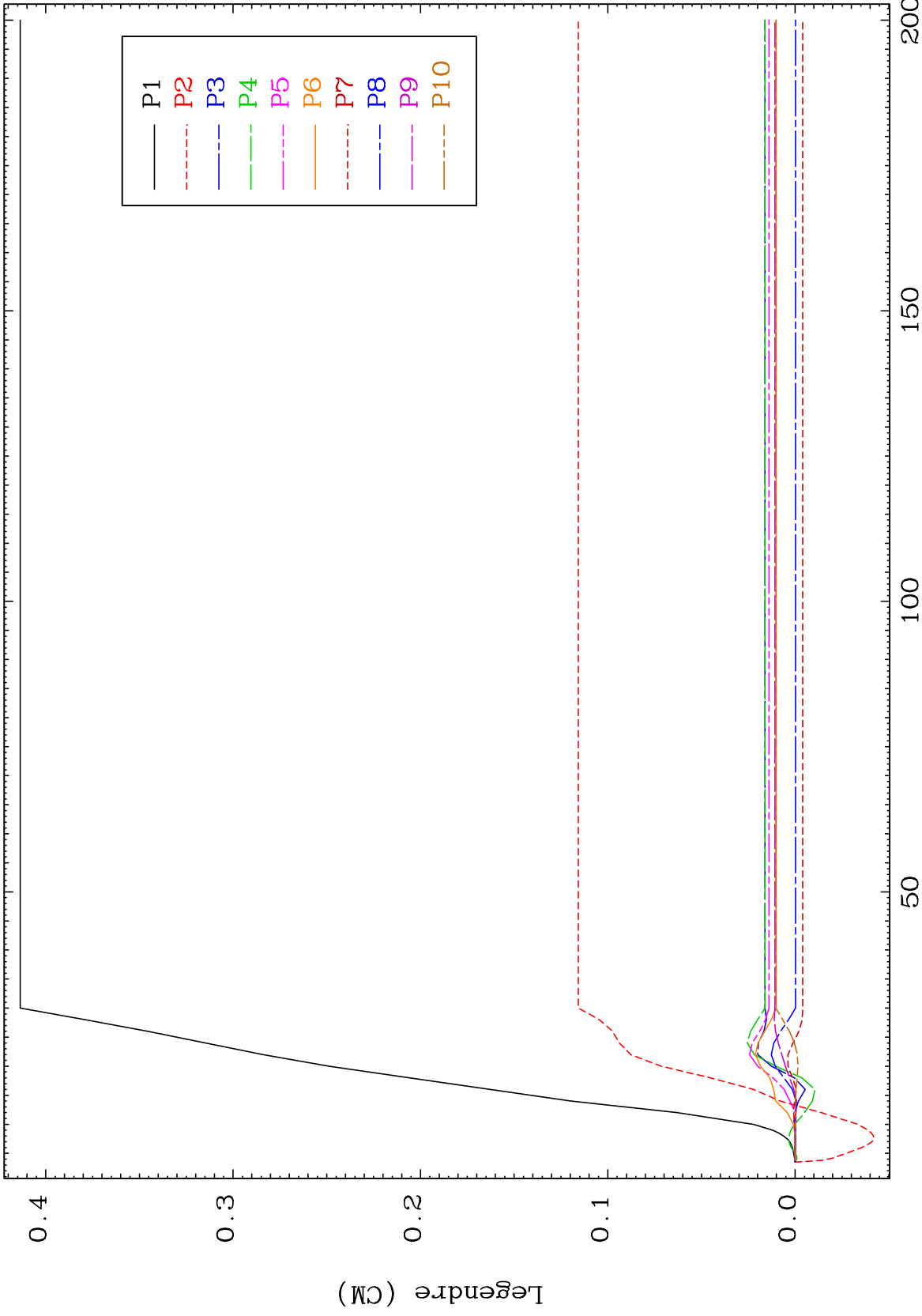


38 Incident Energy (MeV) 24-Cr-52

MAT 2431

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

24-Cr-52



39

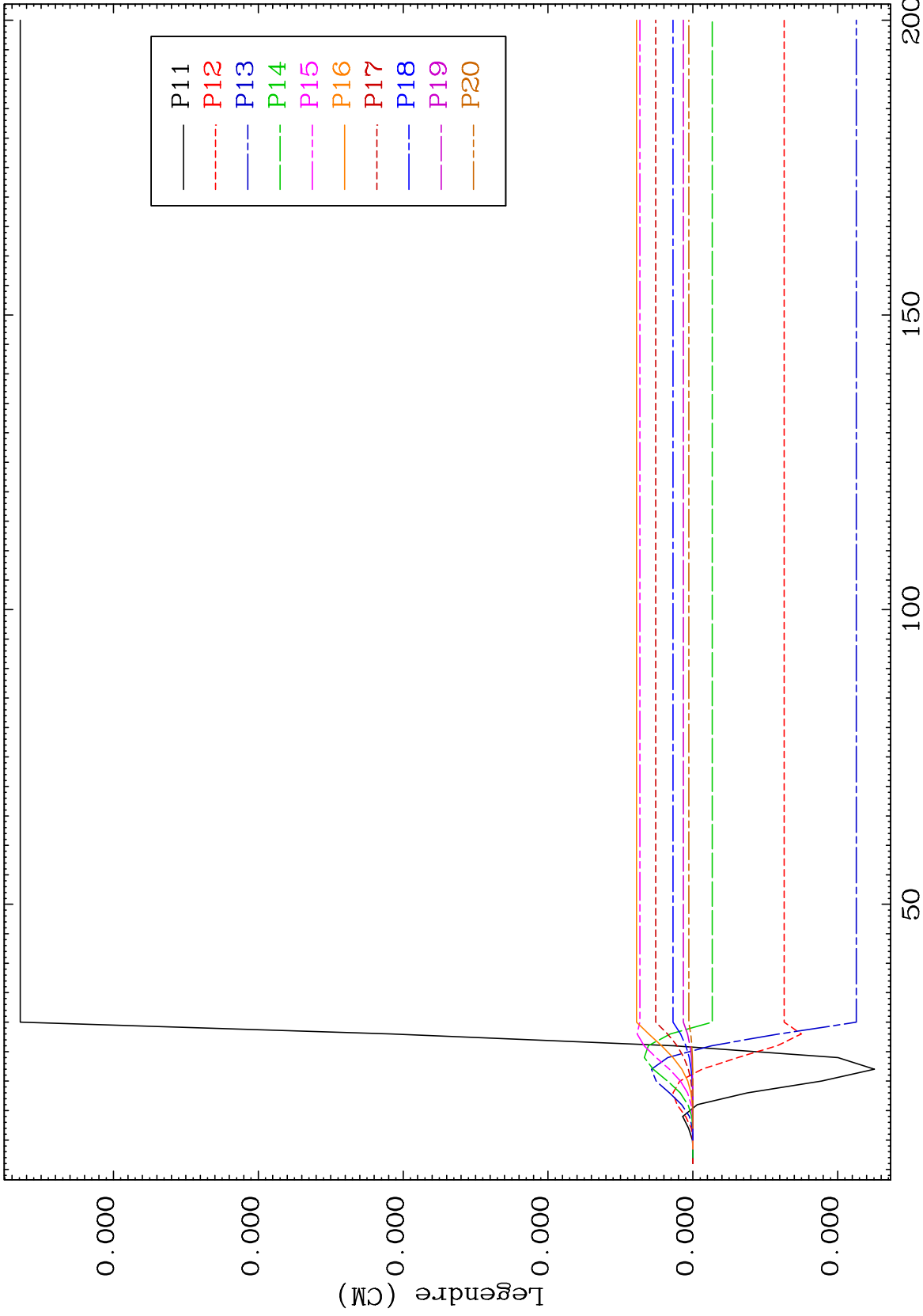
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



40

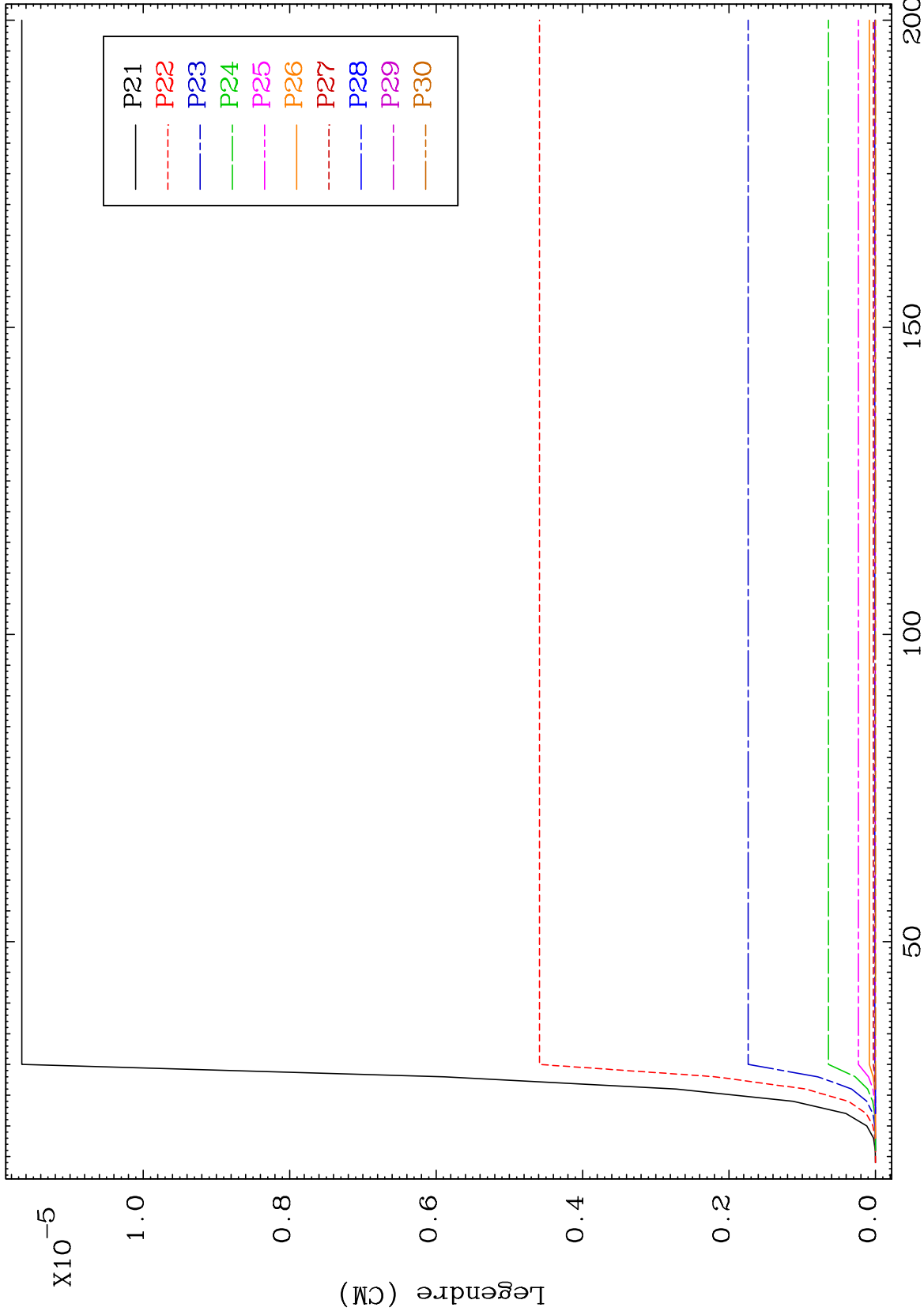
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

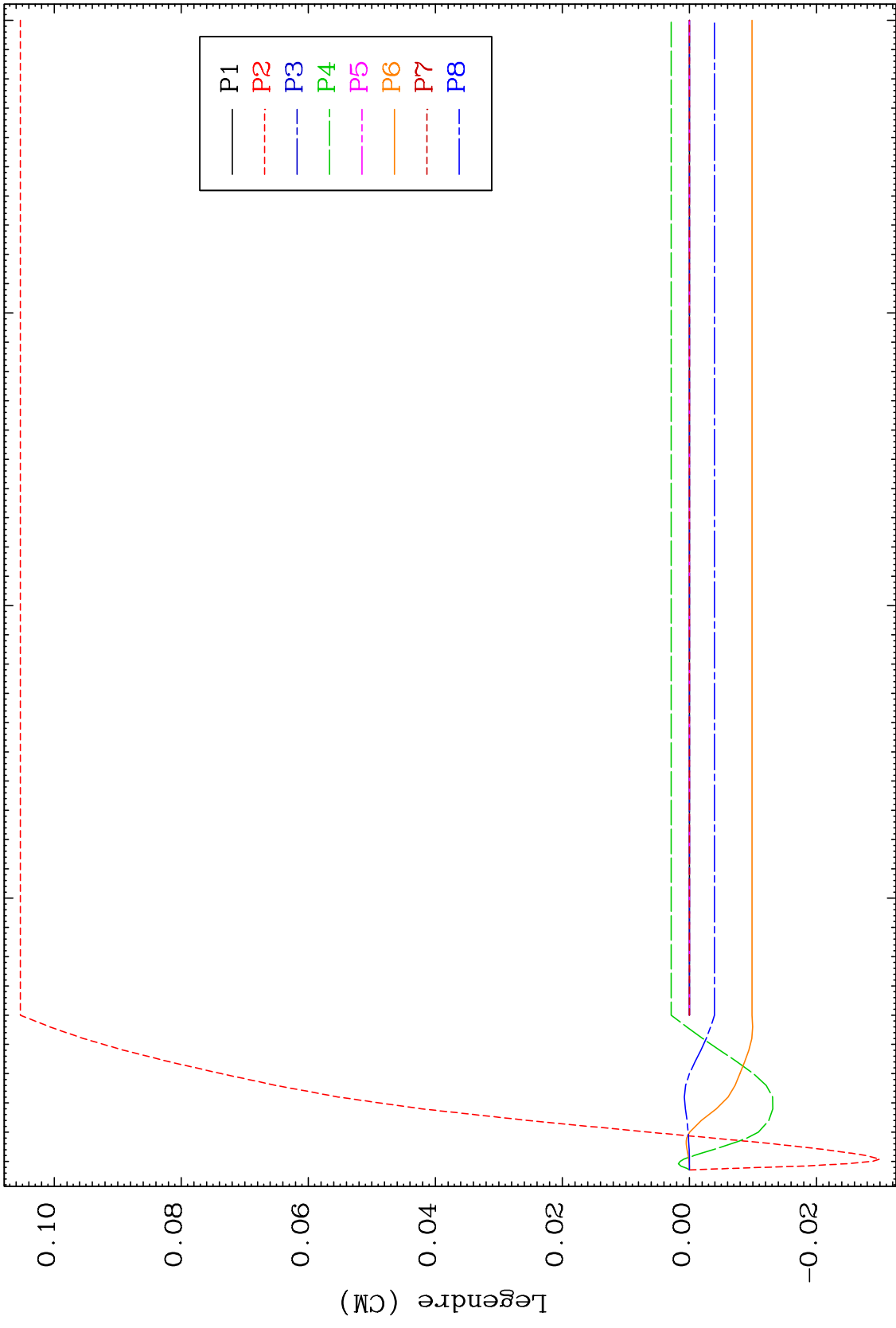
24-Cr-52



41

24-Cr-52

MAT 2431 MT= 59 (n,n') Level Legendre Coefficients 24-Cr-52

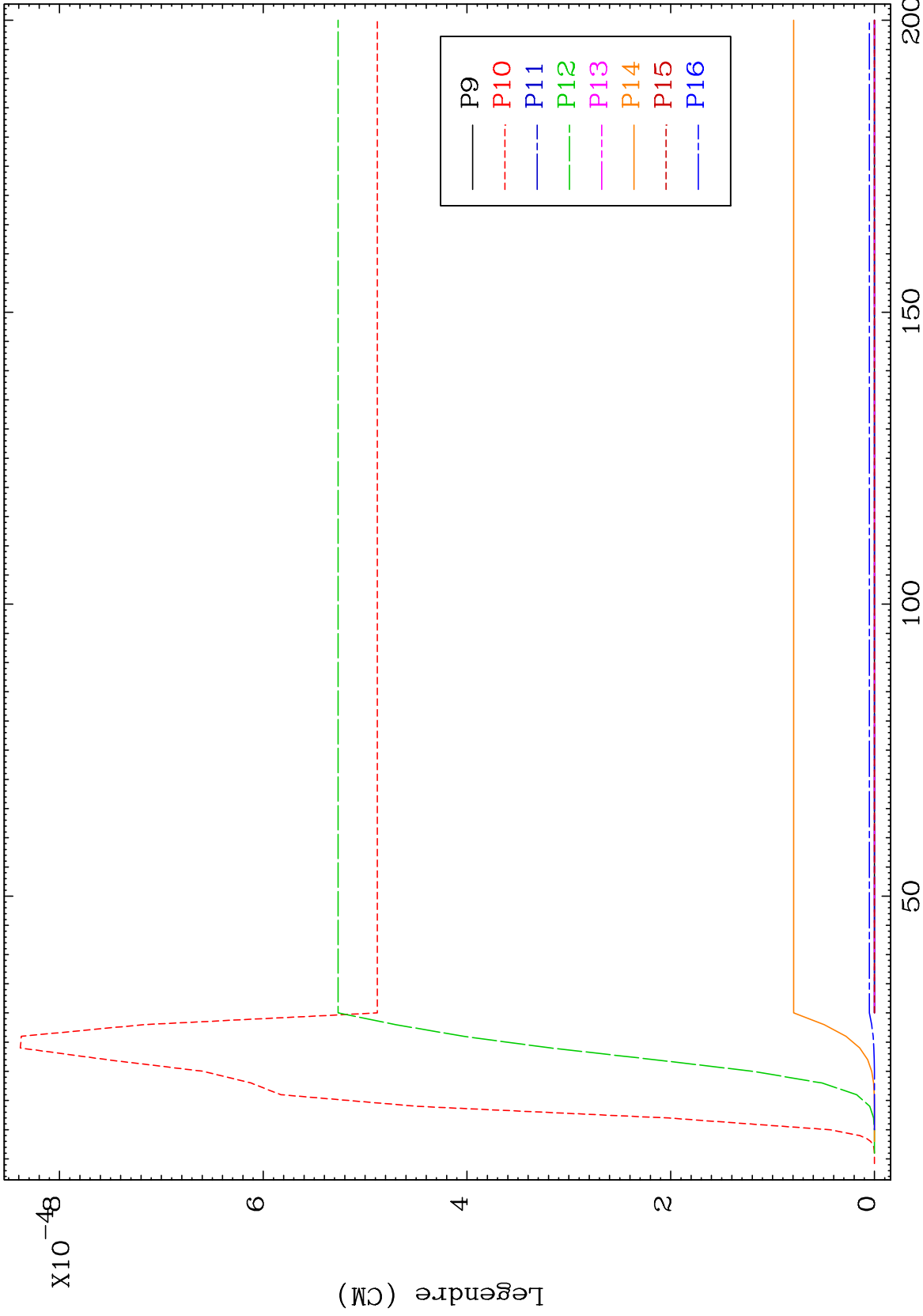


42 Incident Energy (MeV) 24-Cr-52

MAT 2431

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

24-Cr-52

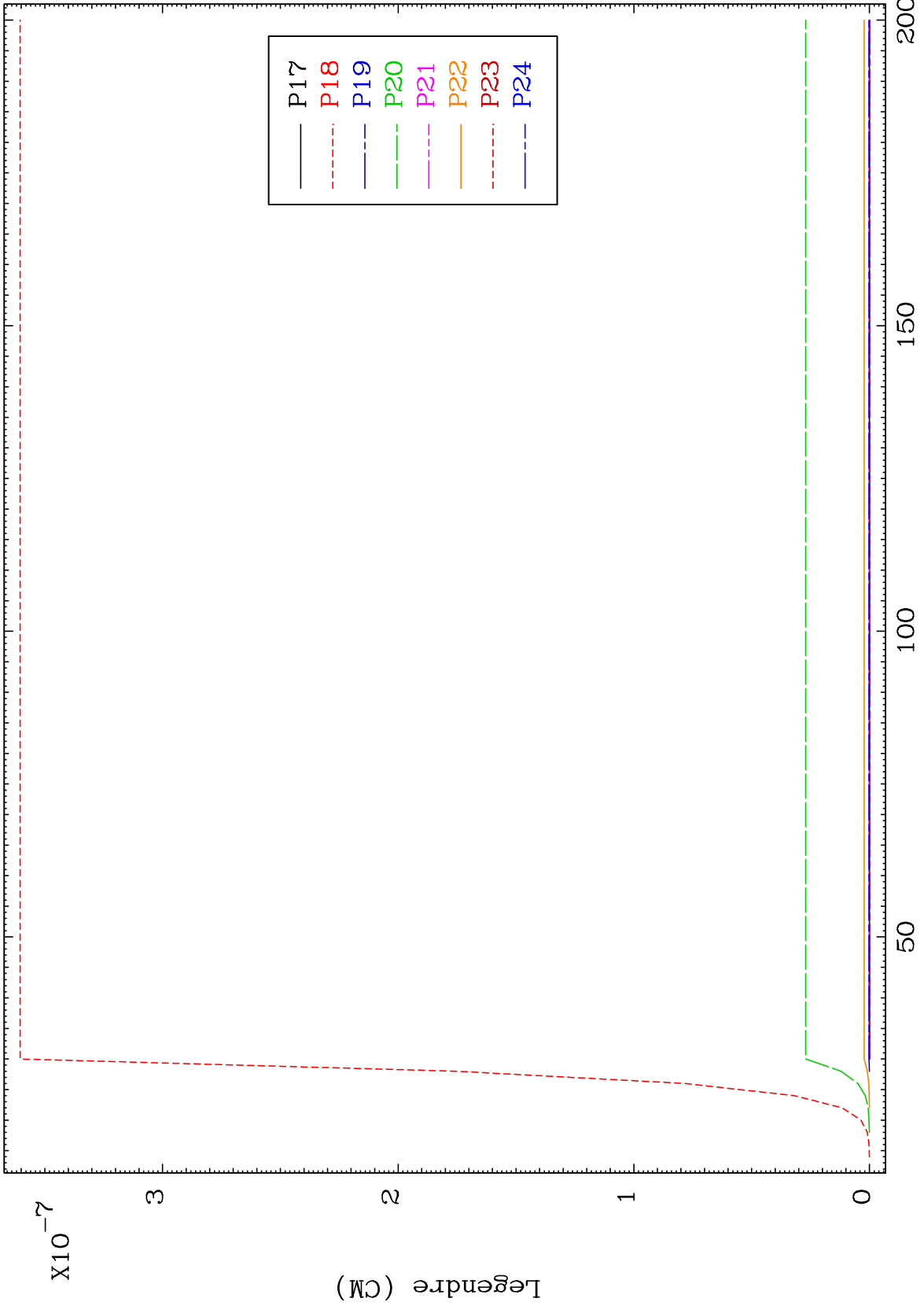


43

Incident Energy (MeV)

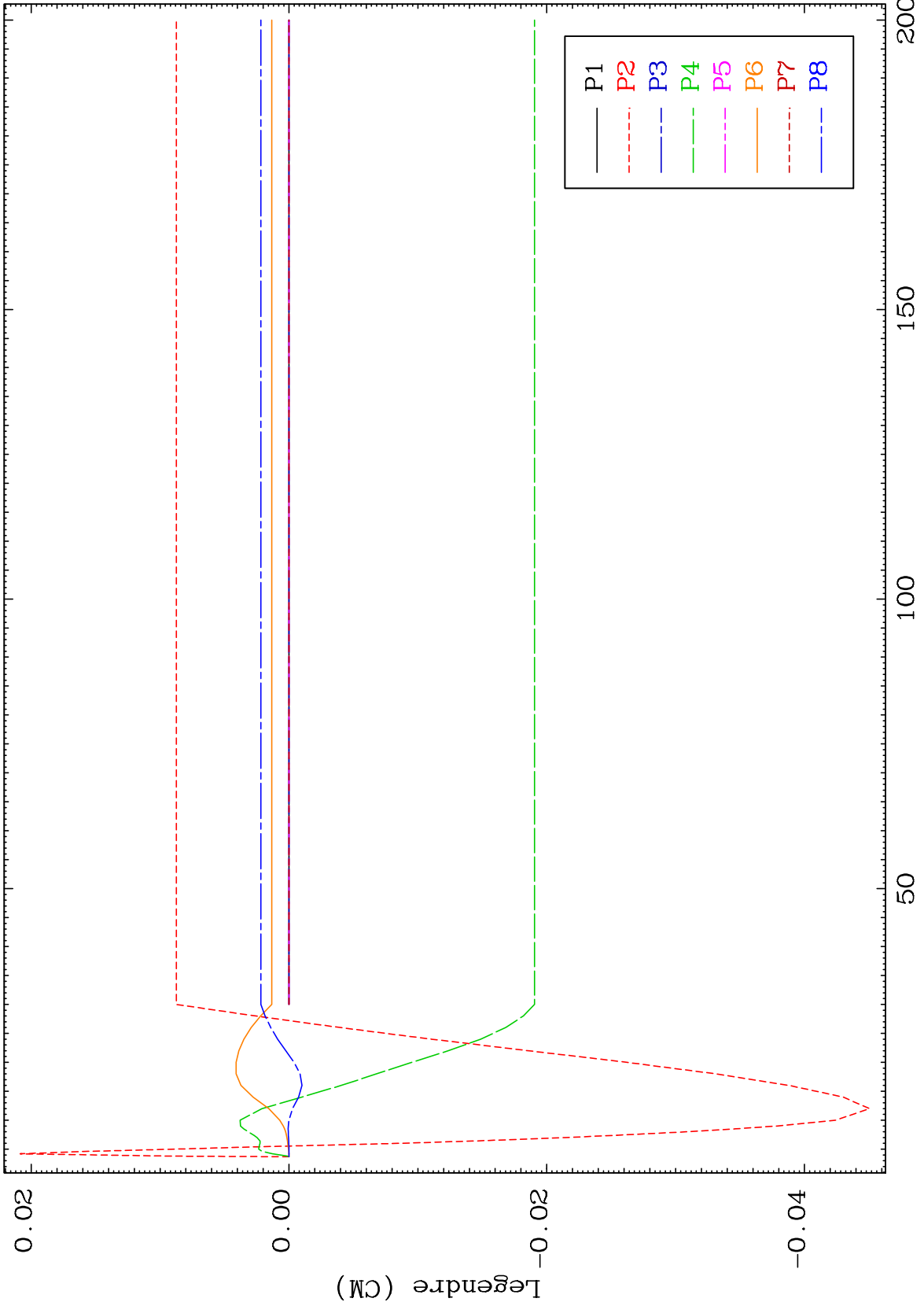
24-Cr-52

MAT 2431 MT= 59 (n,n') Level Legendre Coefficients 24-Cr-52



44 Incident Energy (MeV) 24-Cr-52

MAT 2431 MT= 60 (n,n') Level Legendre Coefficients 24-Cr-52

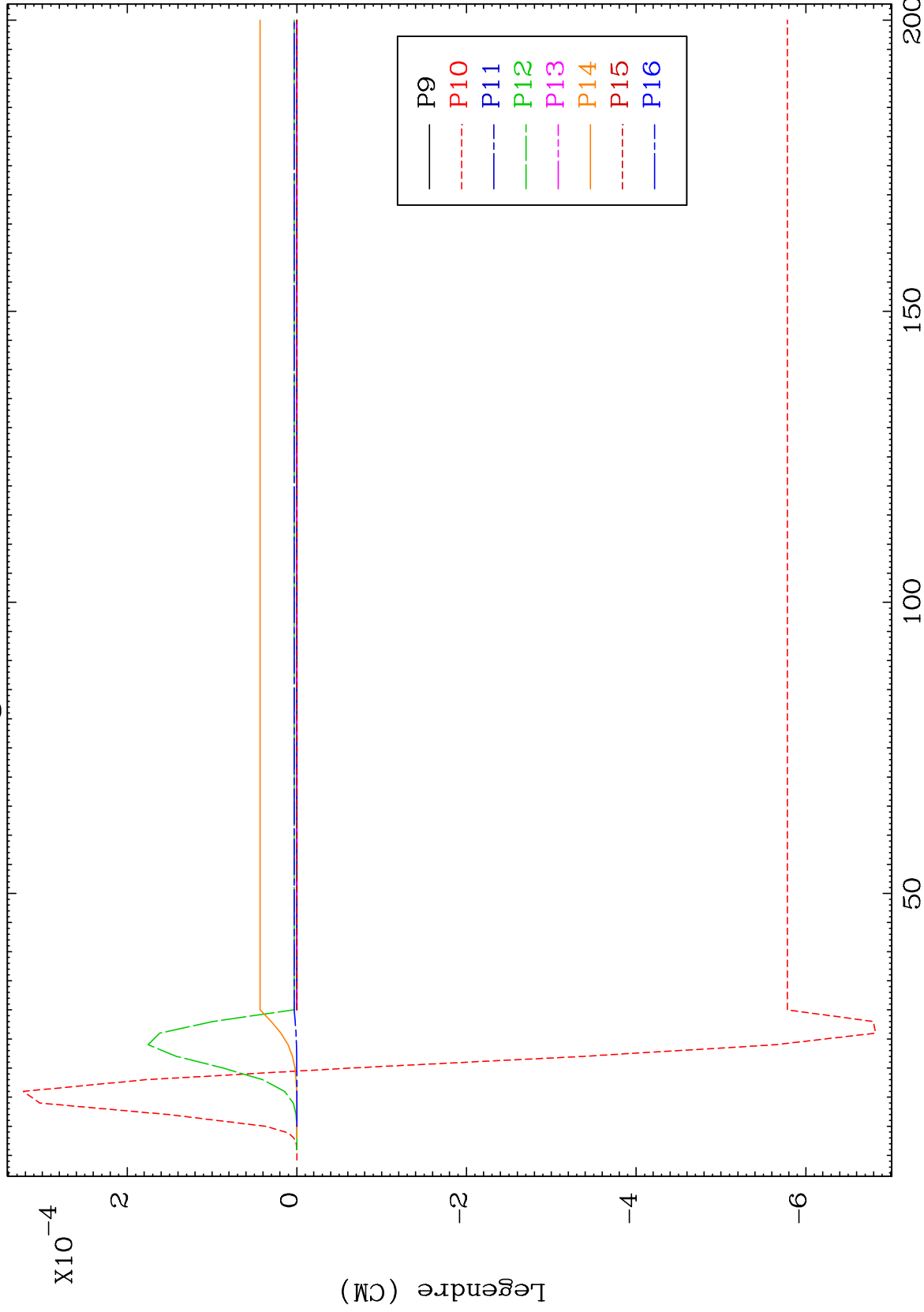


45 Incident Energy (MeV) 24-Cr-52

MAT 2431

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

24-Cr-52

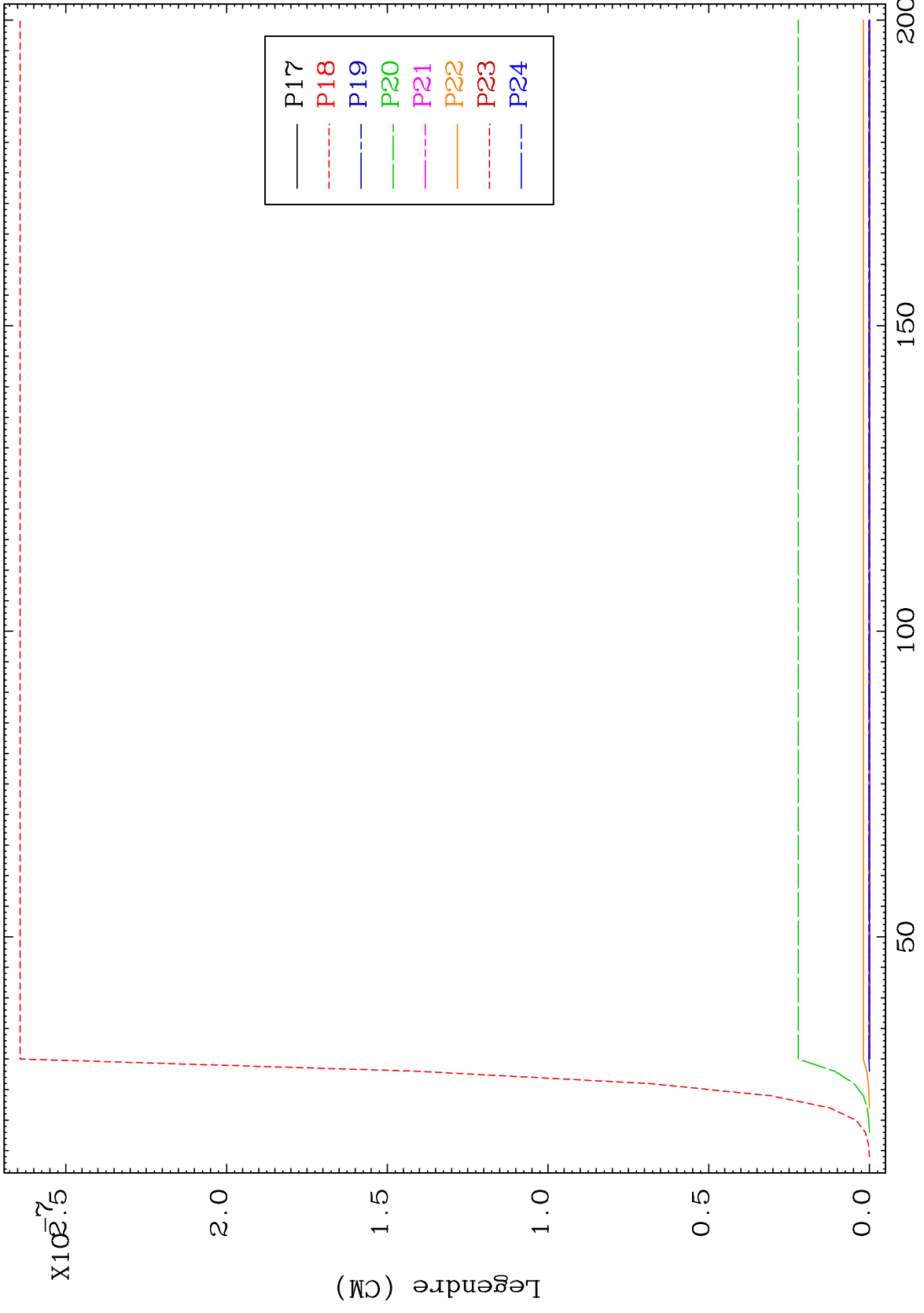


46

Incident Energy (MeV)

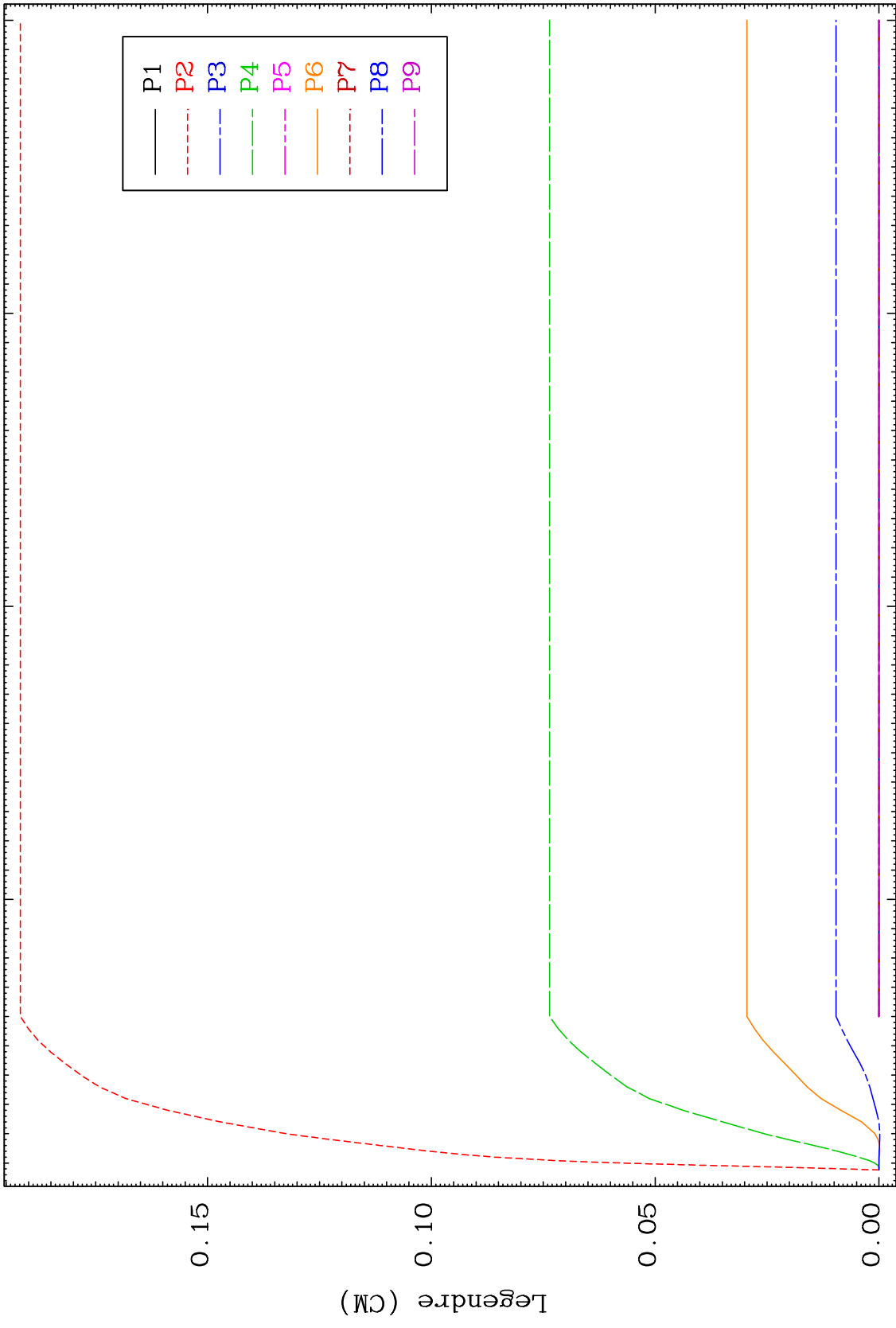
24-Cr-52

MAT 2431 MT= 60 (n,n') Level Legendre Coefficients 24-Cr-52



47 24-Cr-52

MAT 2431 MT= 61 (n,n') Level Legendre Coefficients 24-Cr-52

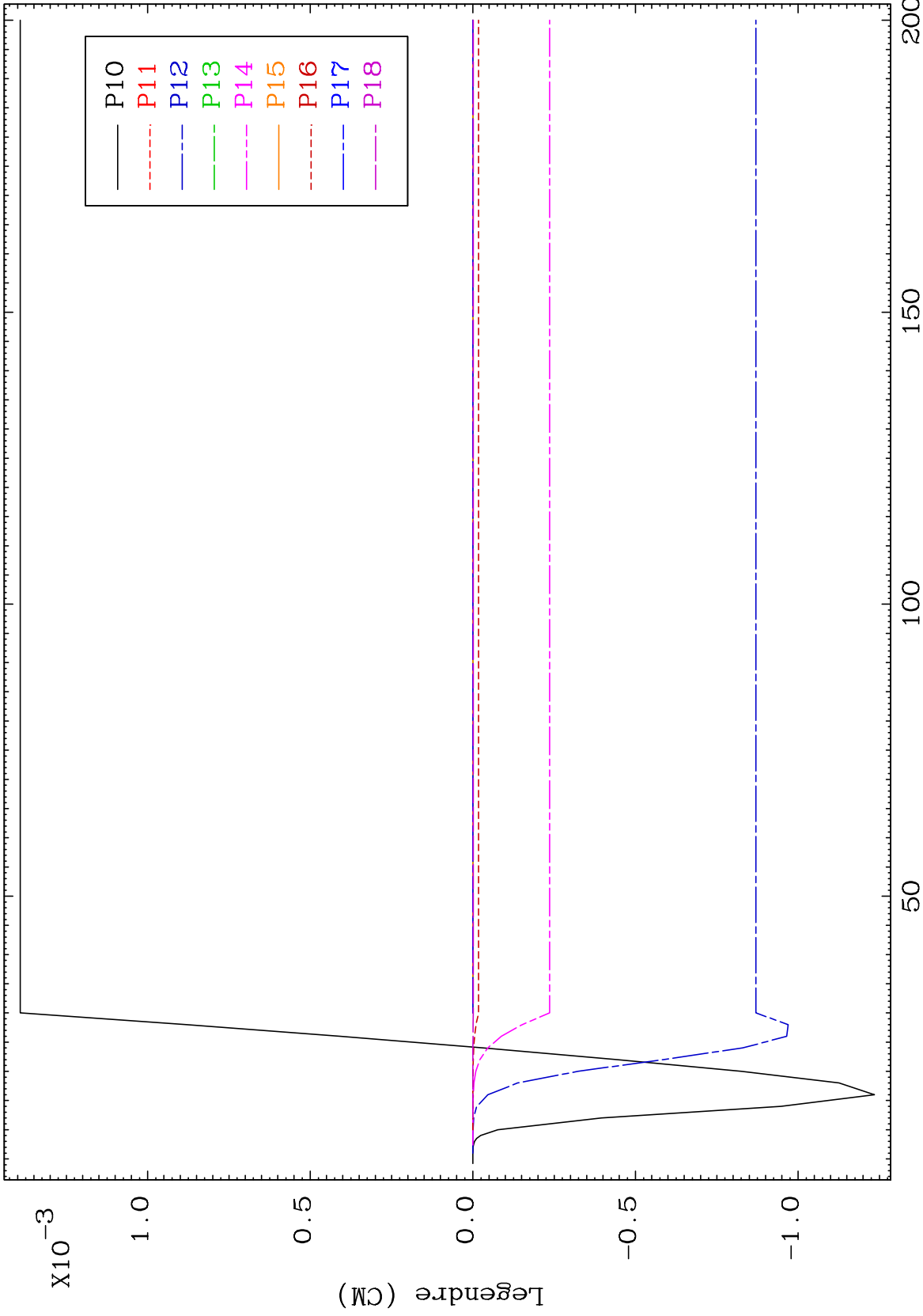


48 Incident Energy (MeV) 24-Cr-52

MAT 2431

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

24-Cr-52

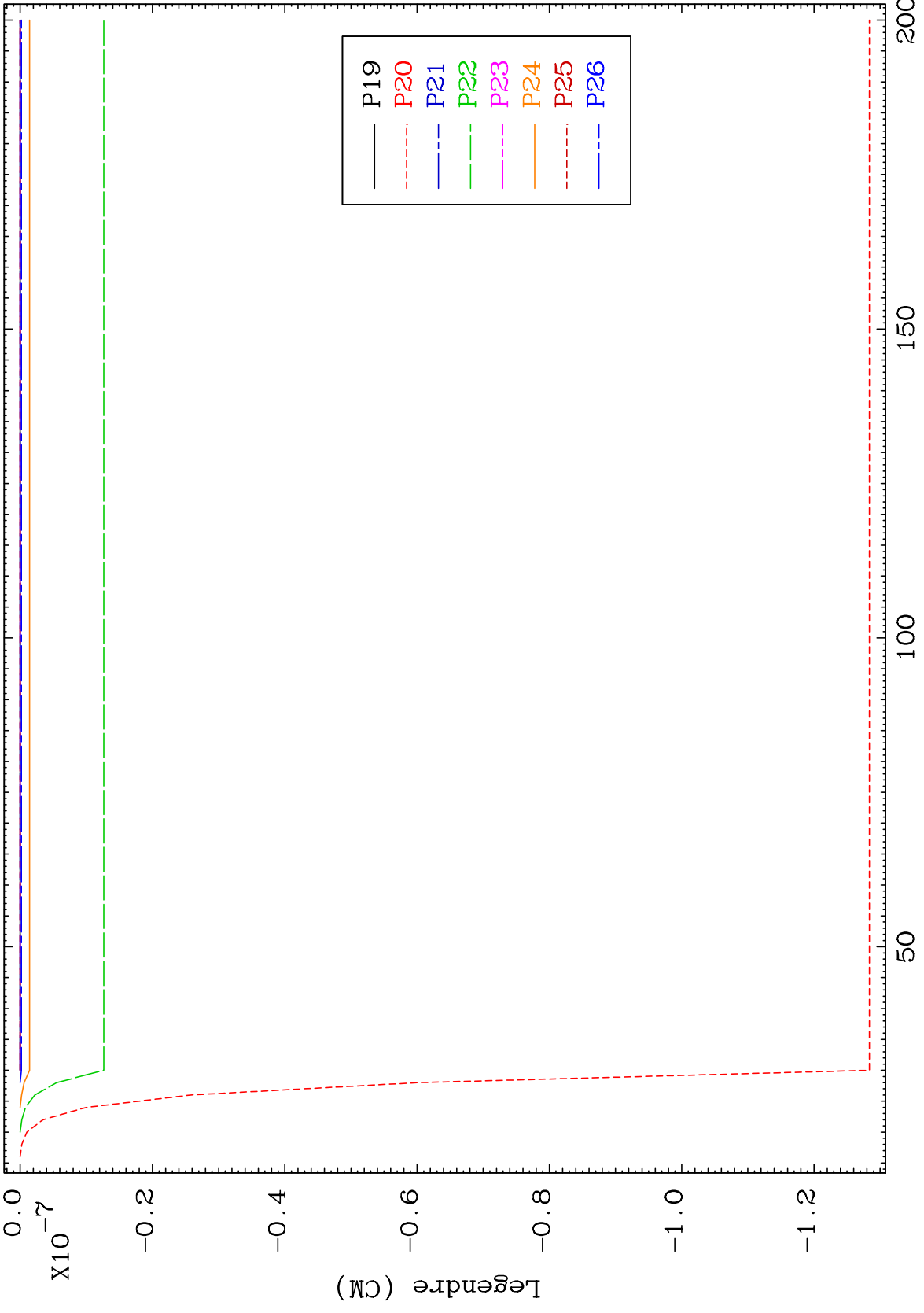


49

Incident Energy (MeV)

24-Cr-52

MAT 2431 MT= 61 (n,n') Level Legendre Coefficients 24-Cr-52

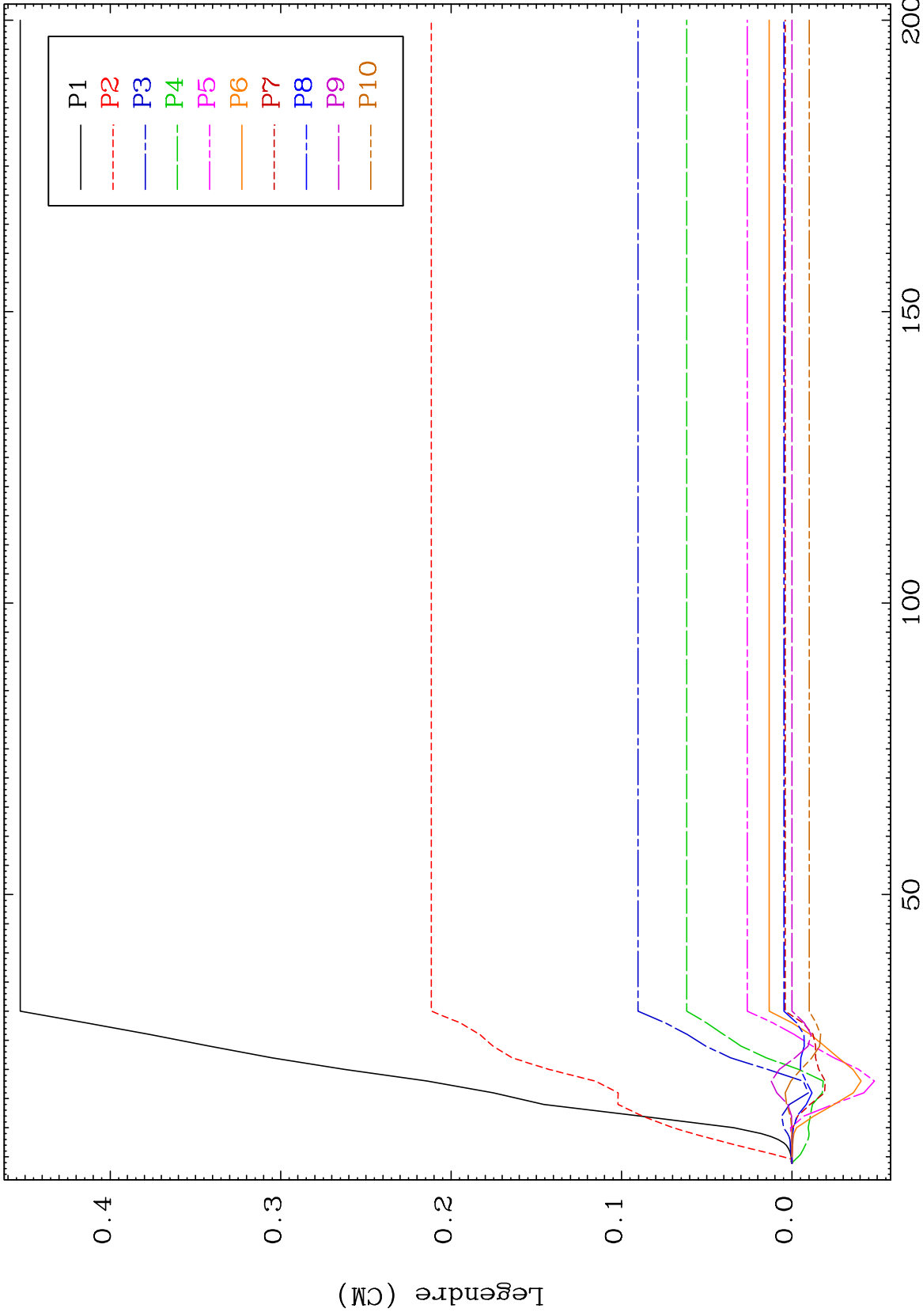


50 100 150 200 Incident Energy (MeV) 24-Cr-52

MAT 2431

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

24-Cr-52



51

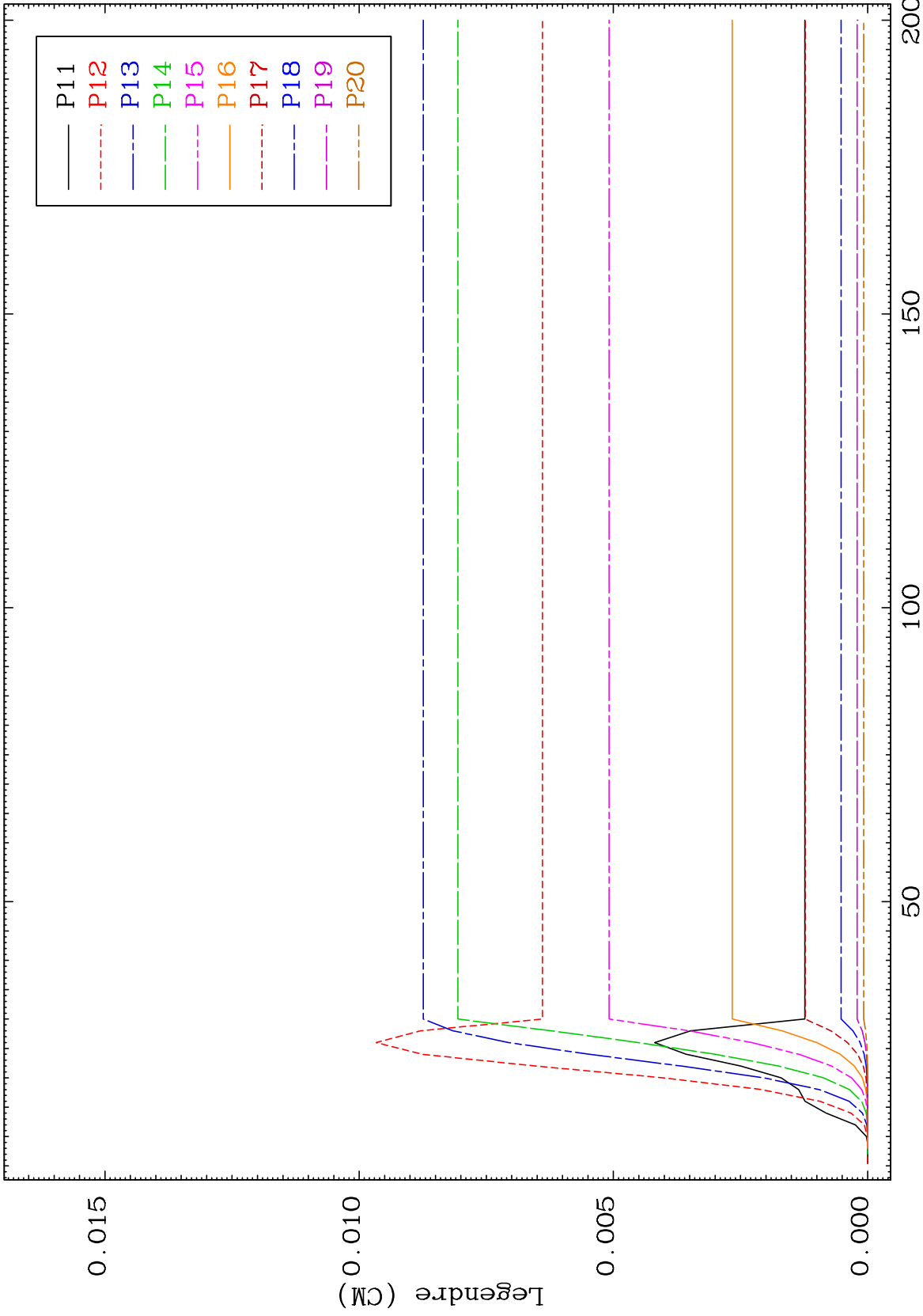
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



52

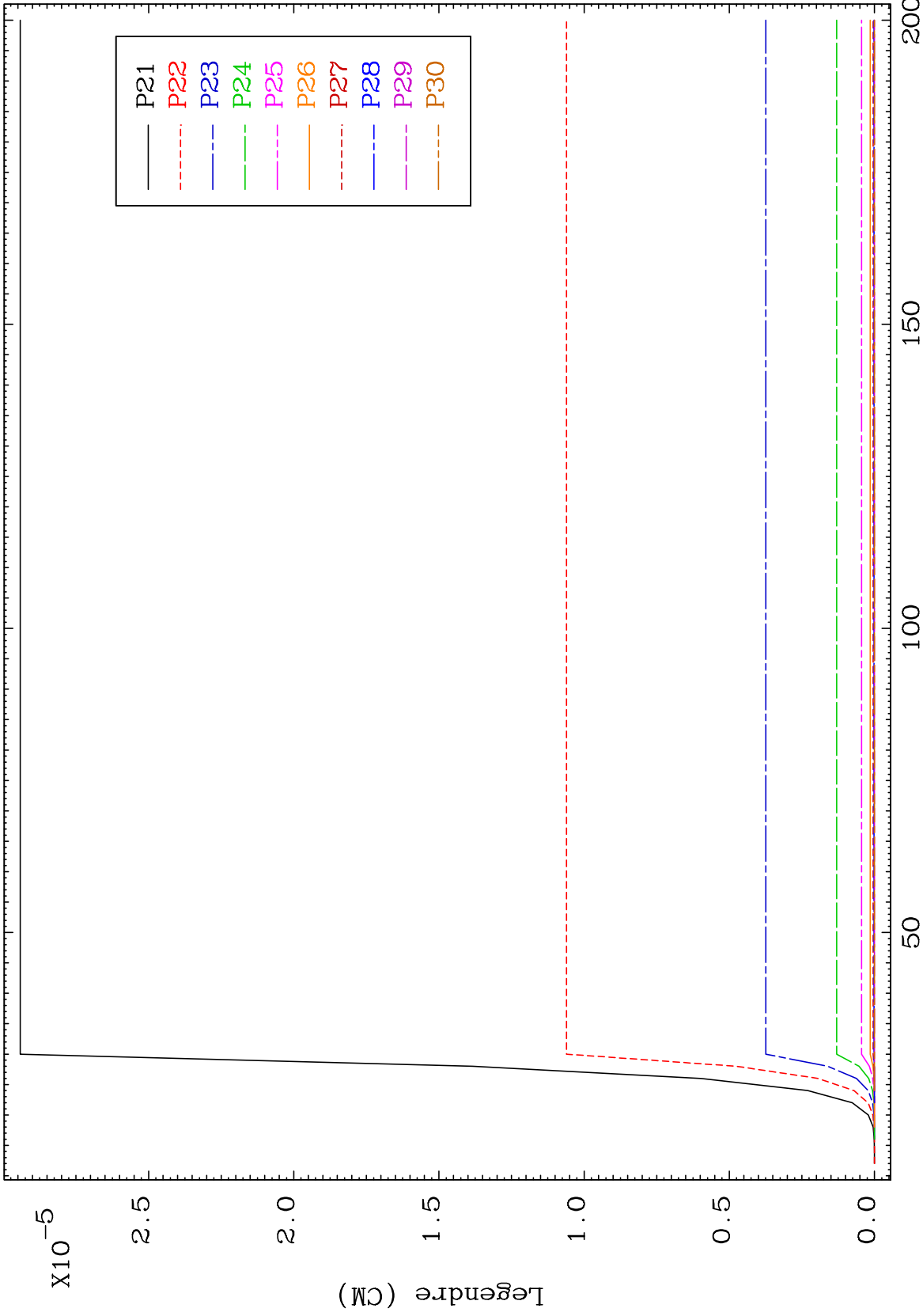
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



53

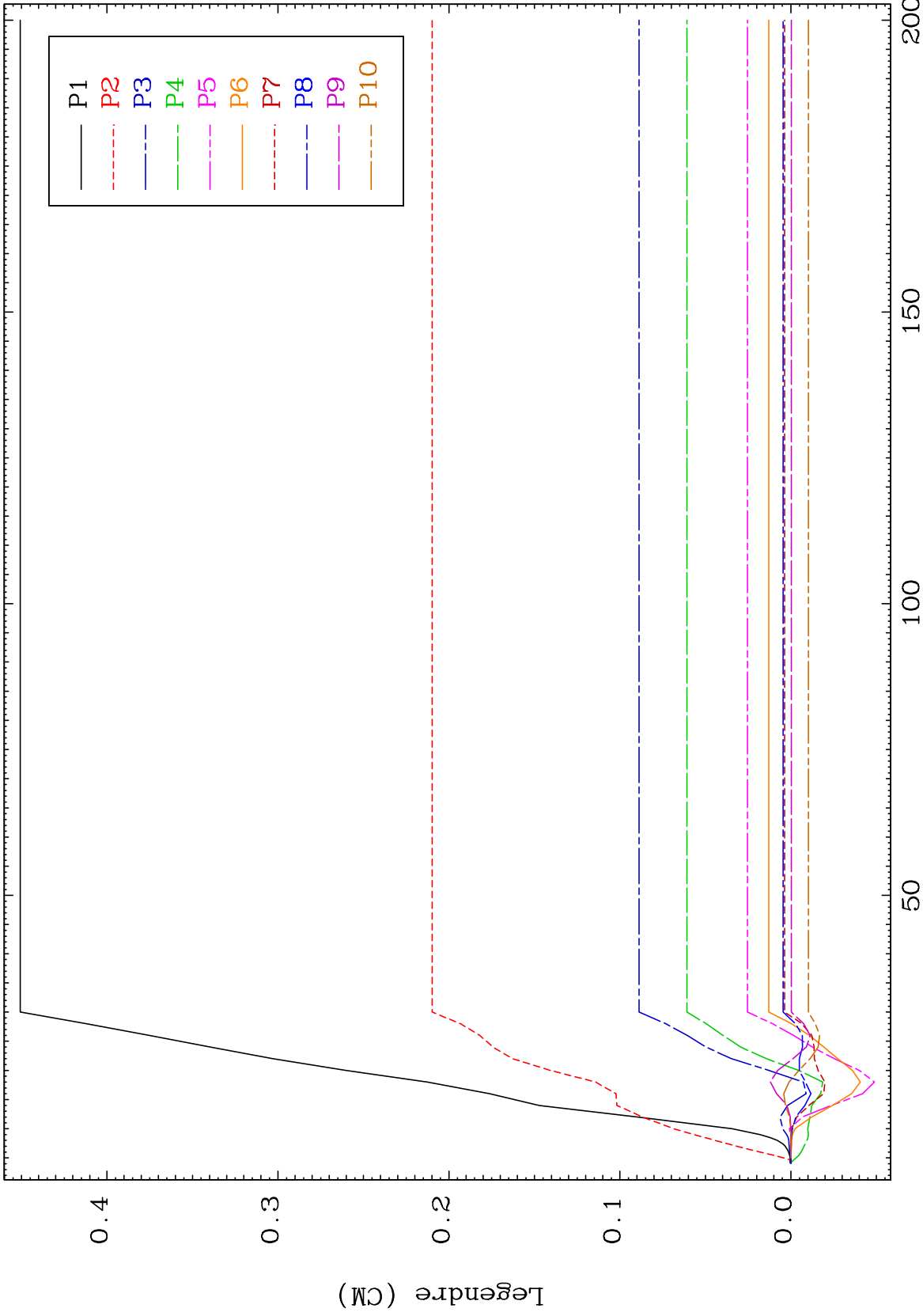
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



54

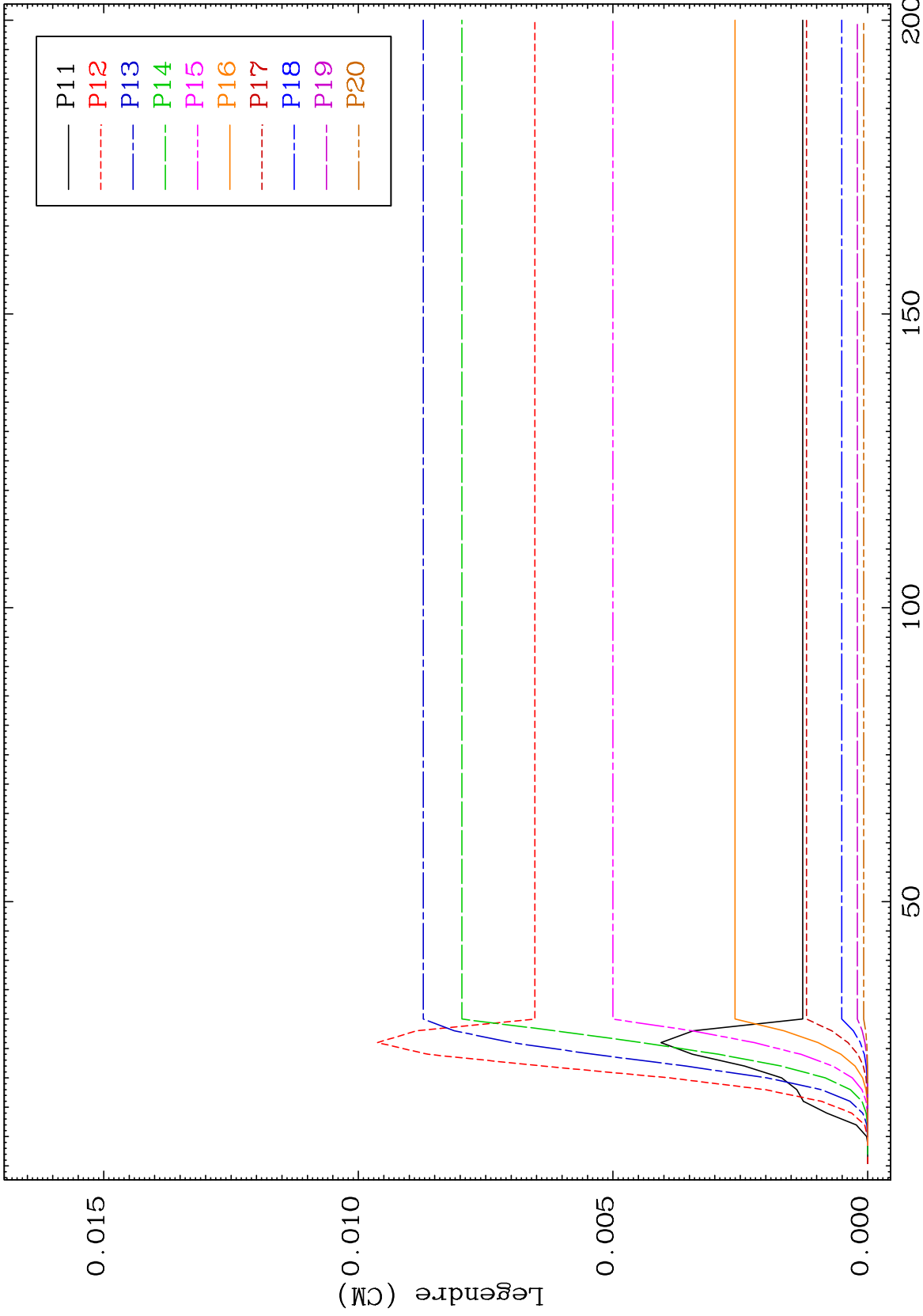
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



55

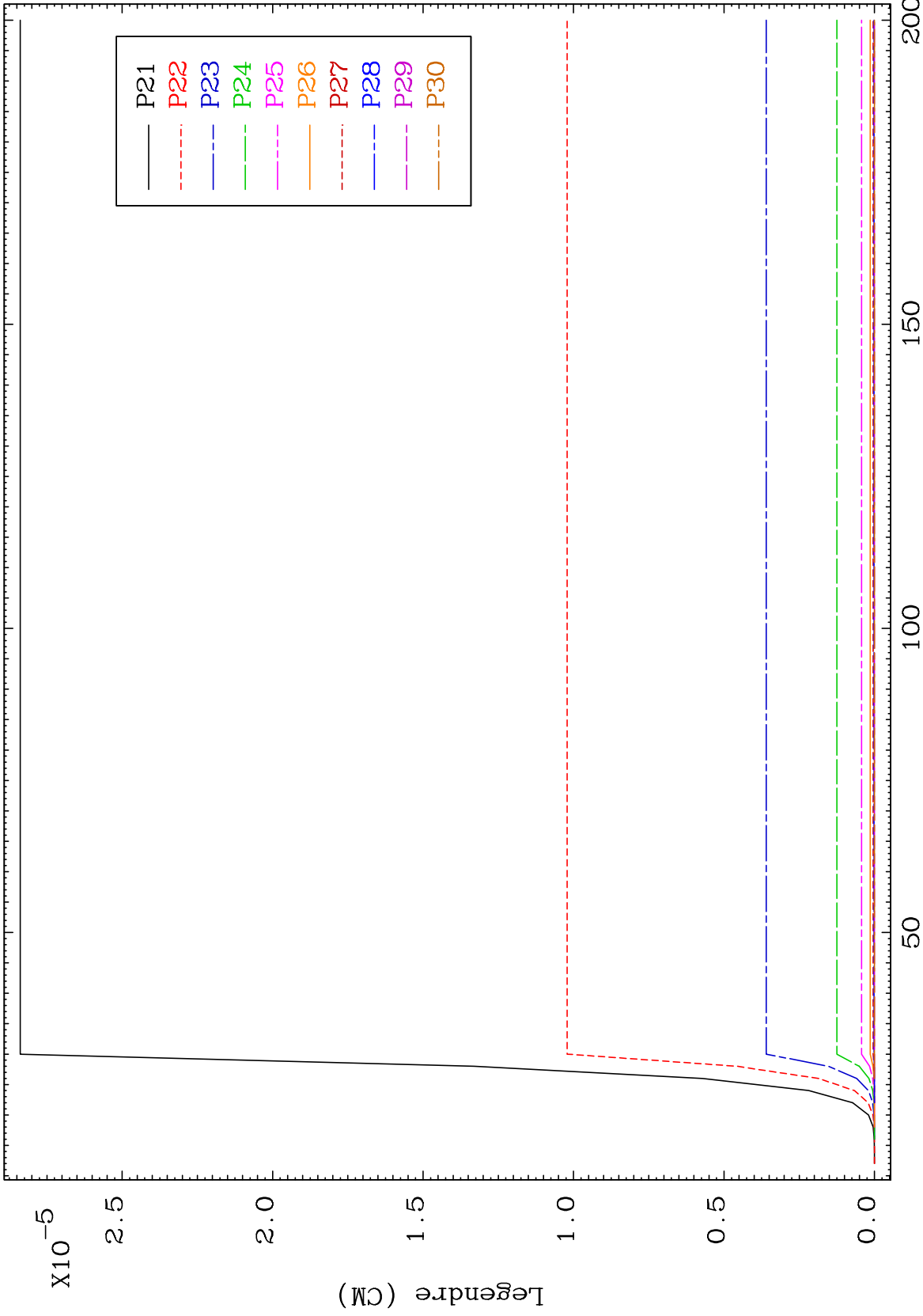
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



56

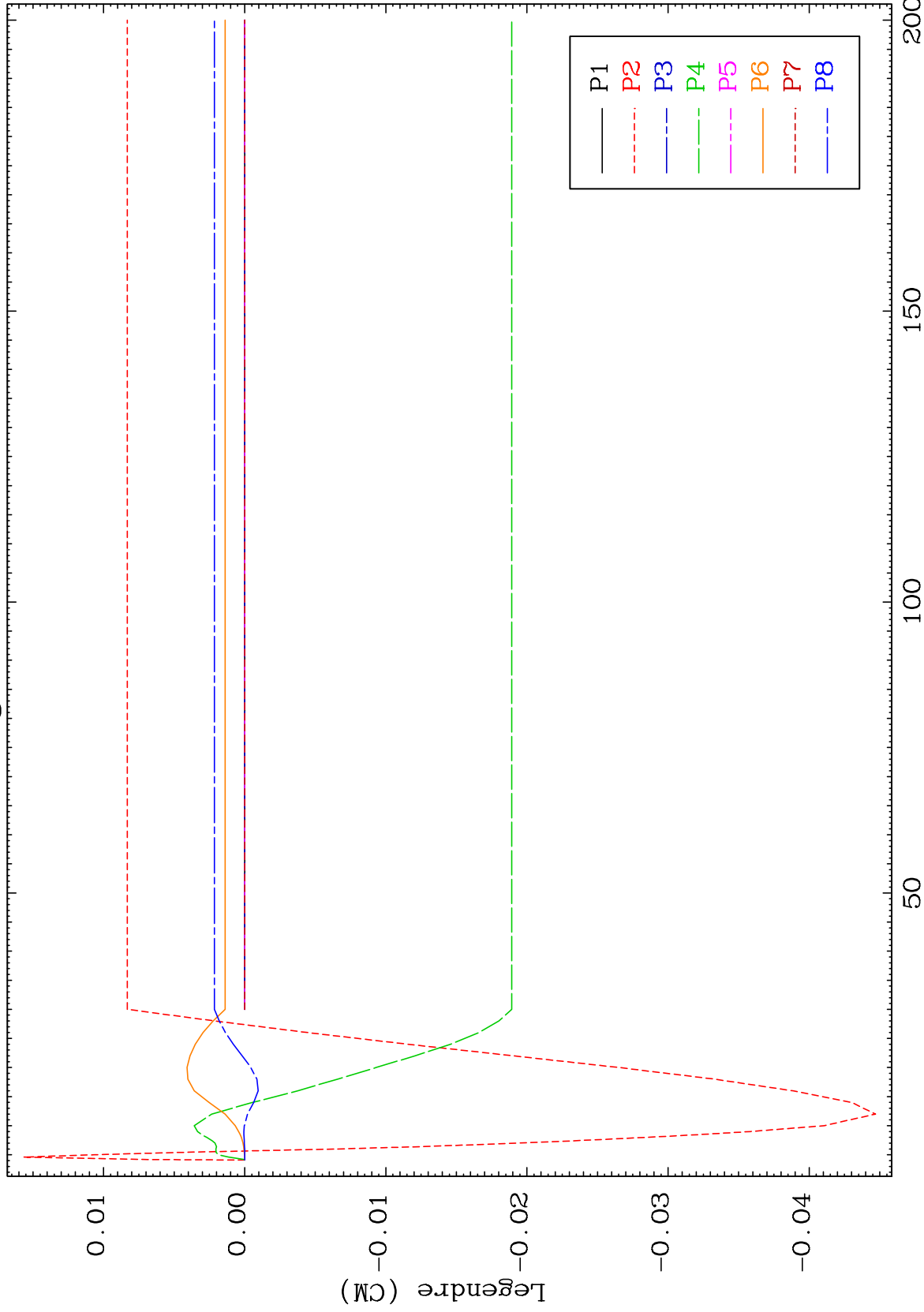
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



57

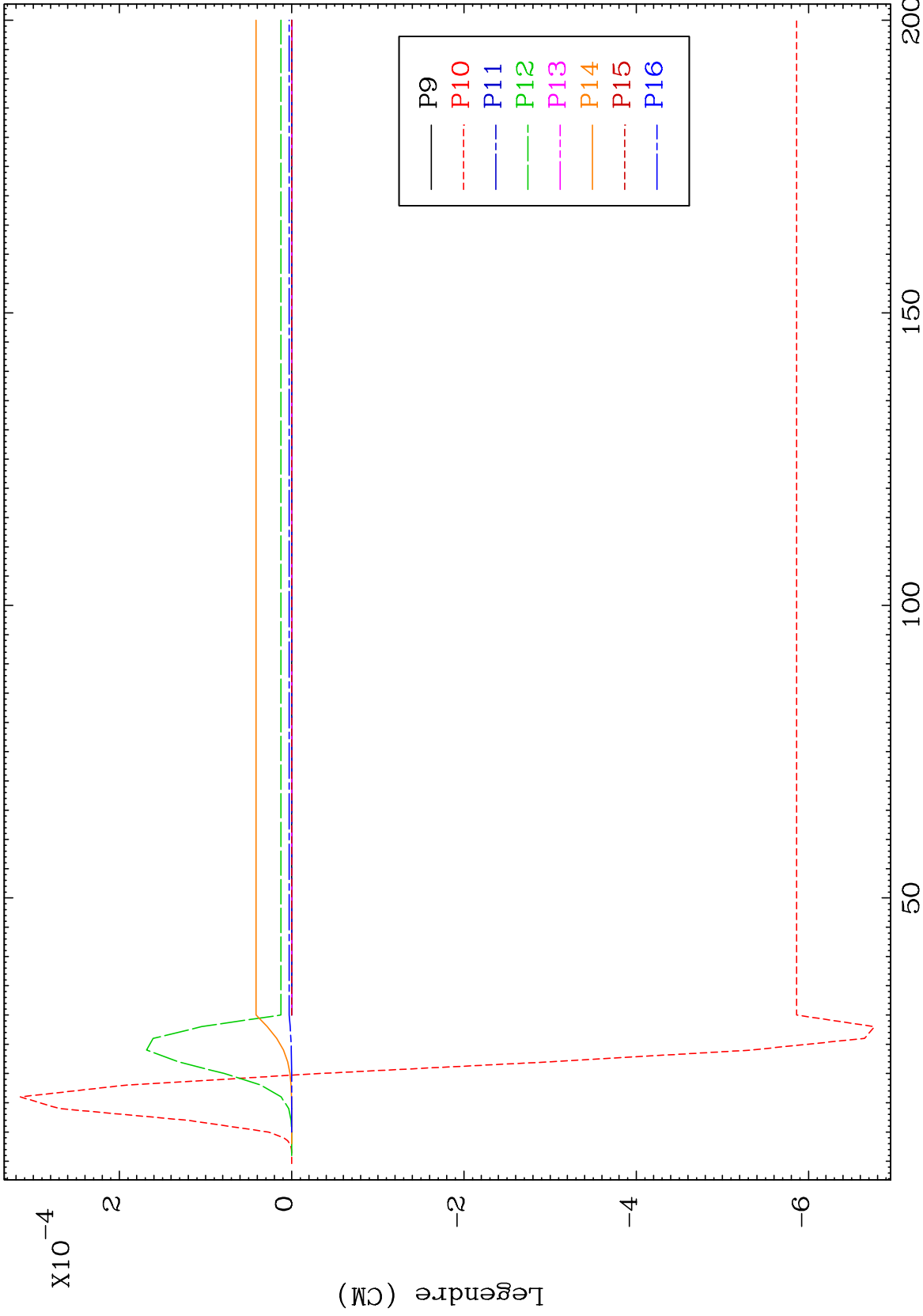
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52

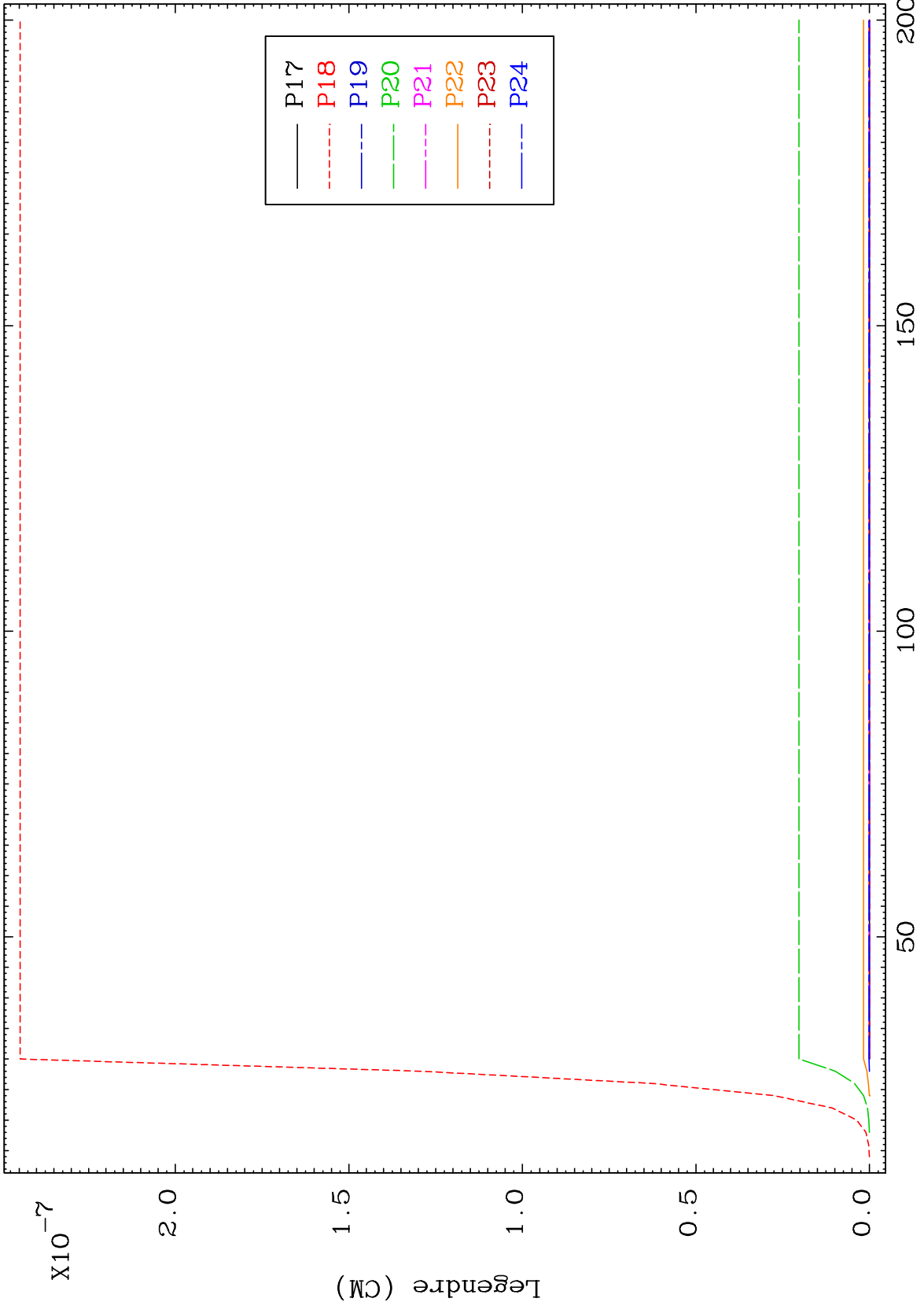


58

Incident Energy (MeV)

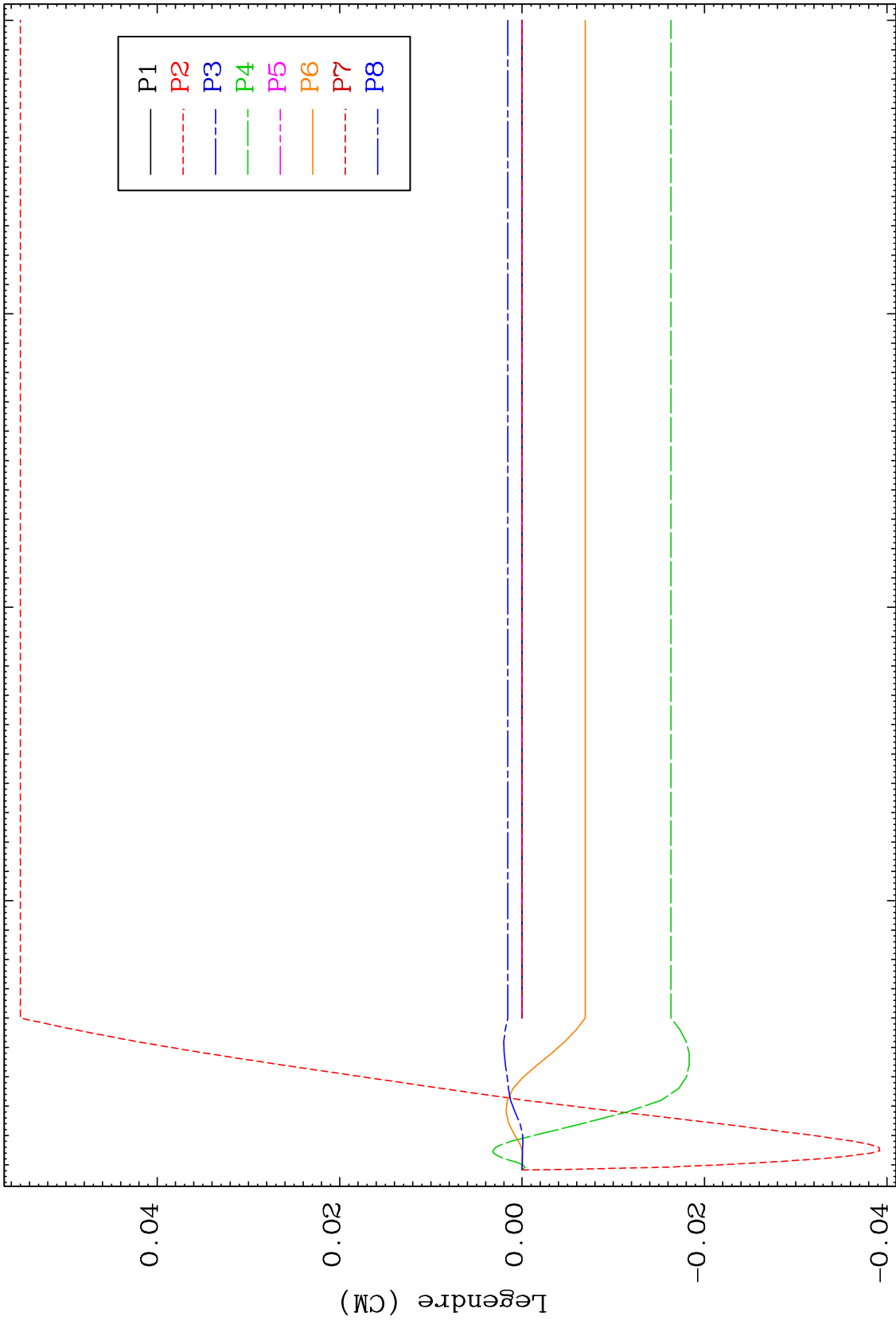
24-Cr-52

MAT 2431 MT= 64 (n,n') Level Legendre Coefficients 24-Cr-52



59 200 24-Cr-52

MAT 2431 MT= 65 (n,n') Level Legendre Coefficients 24-Cr-52

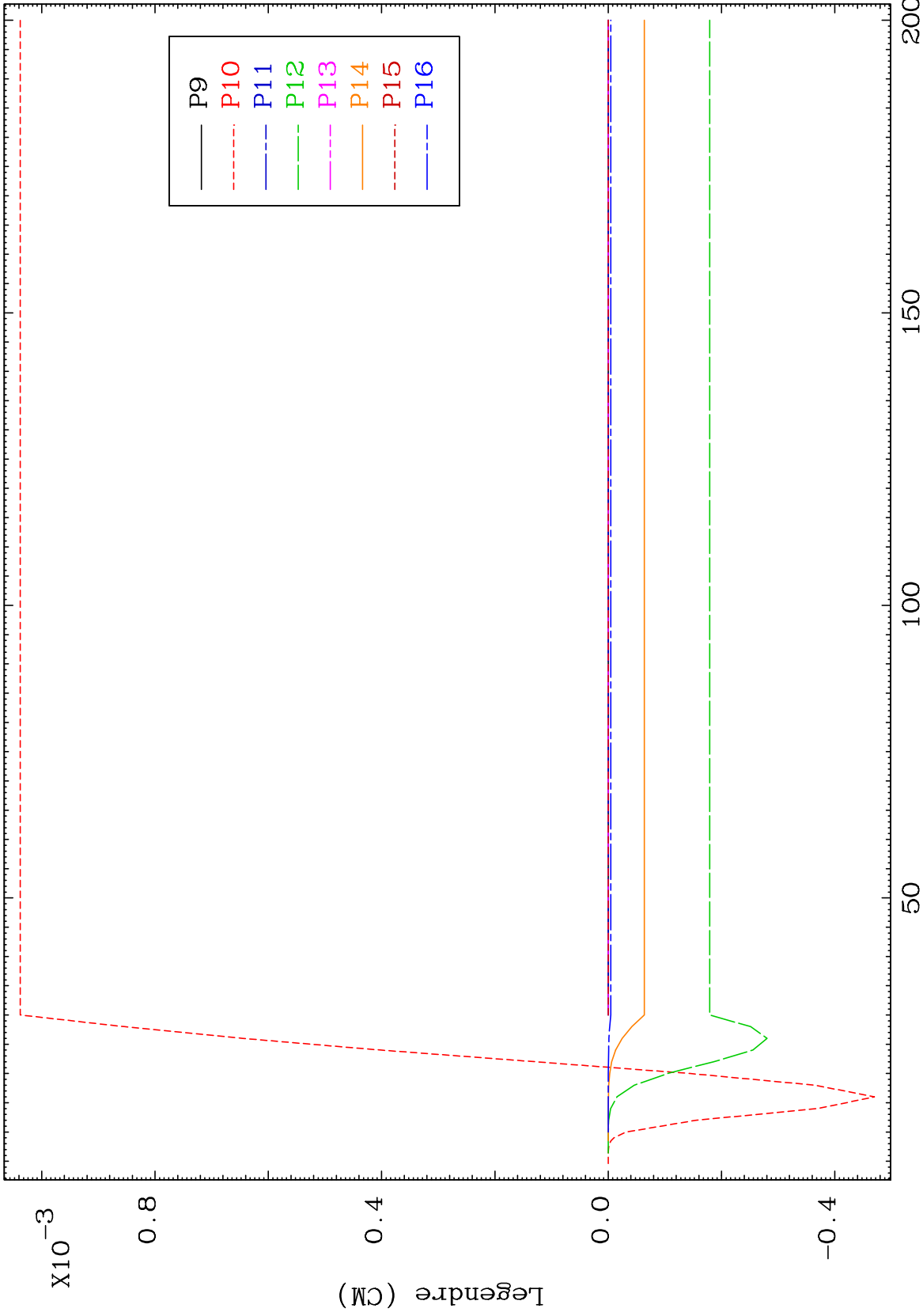


Legendre (CM) Incident Energy (MeV) 24-Cr-52

MAT 2431

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

24-Cr-52

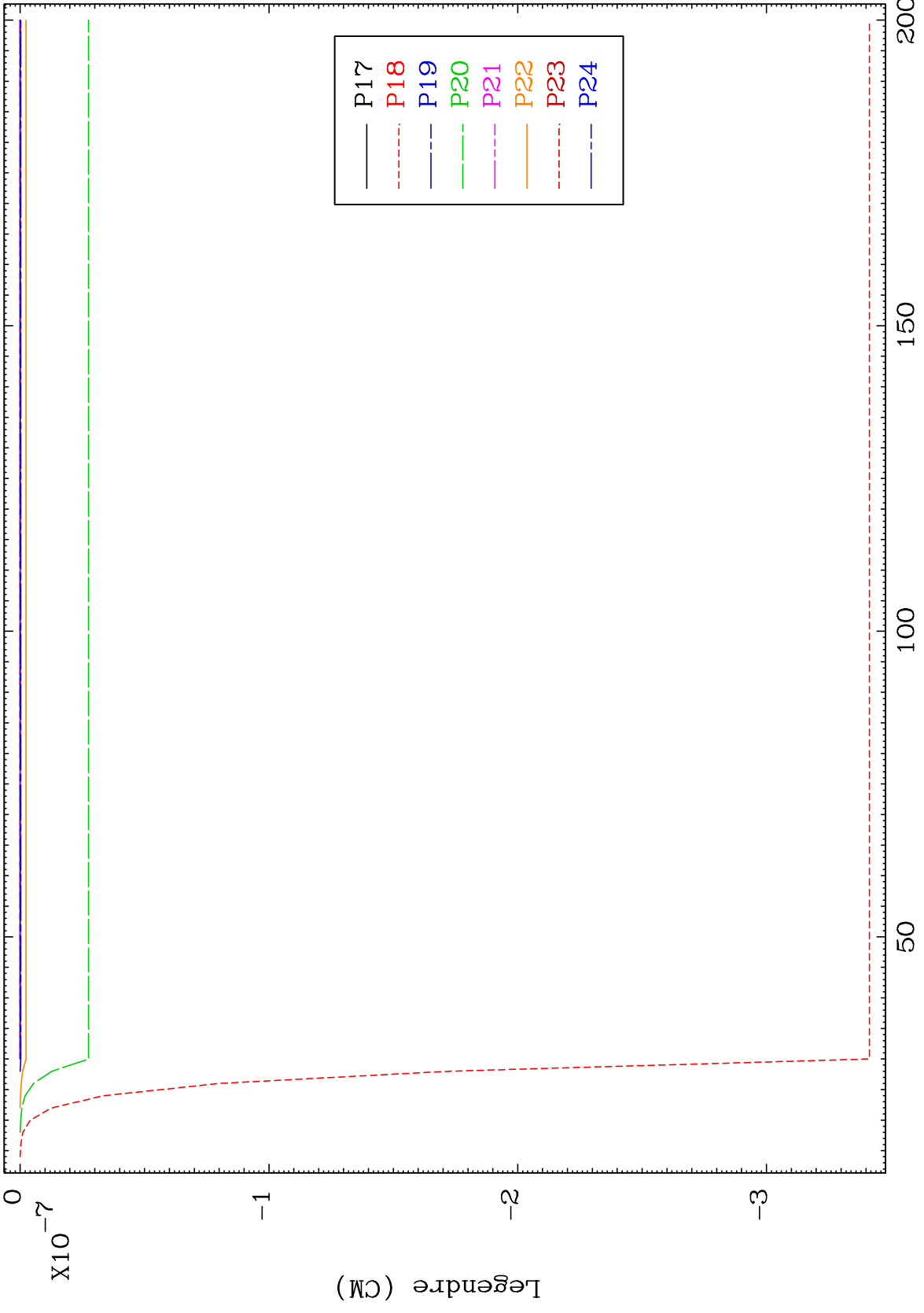


61

Incident Energy (MeV)

24-Cr-52

MAT 2431 MT= 65 (n,n') Level Legendre Coefficients 24-Cr-52

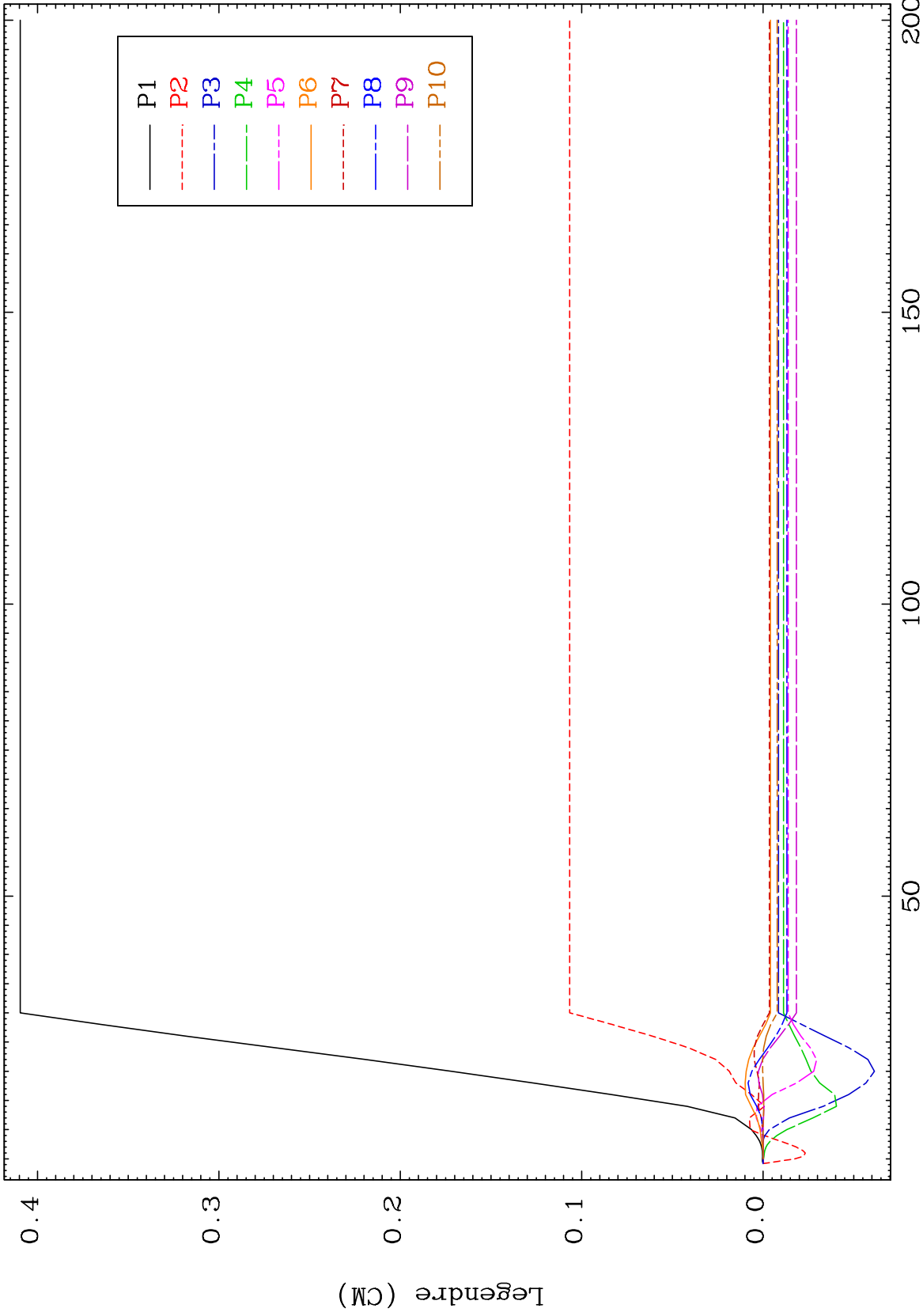


62 24-Cr-52

MAT 2431

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

24-Cr-52



63

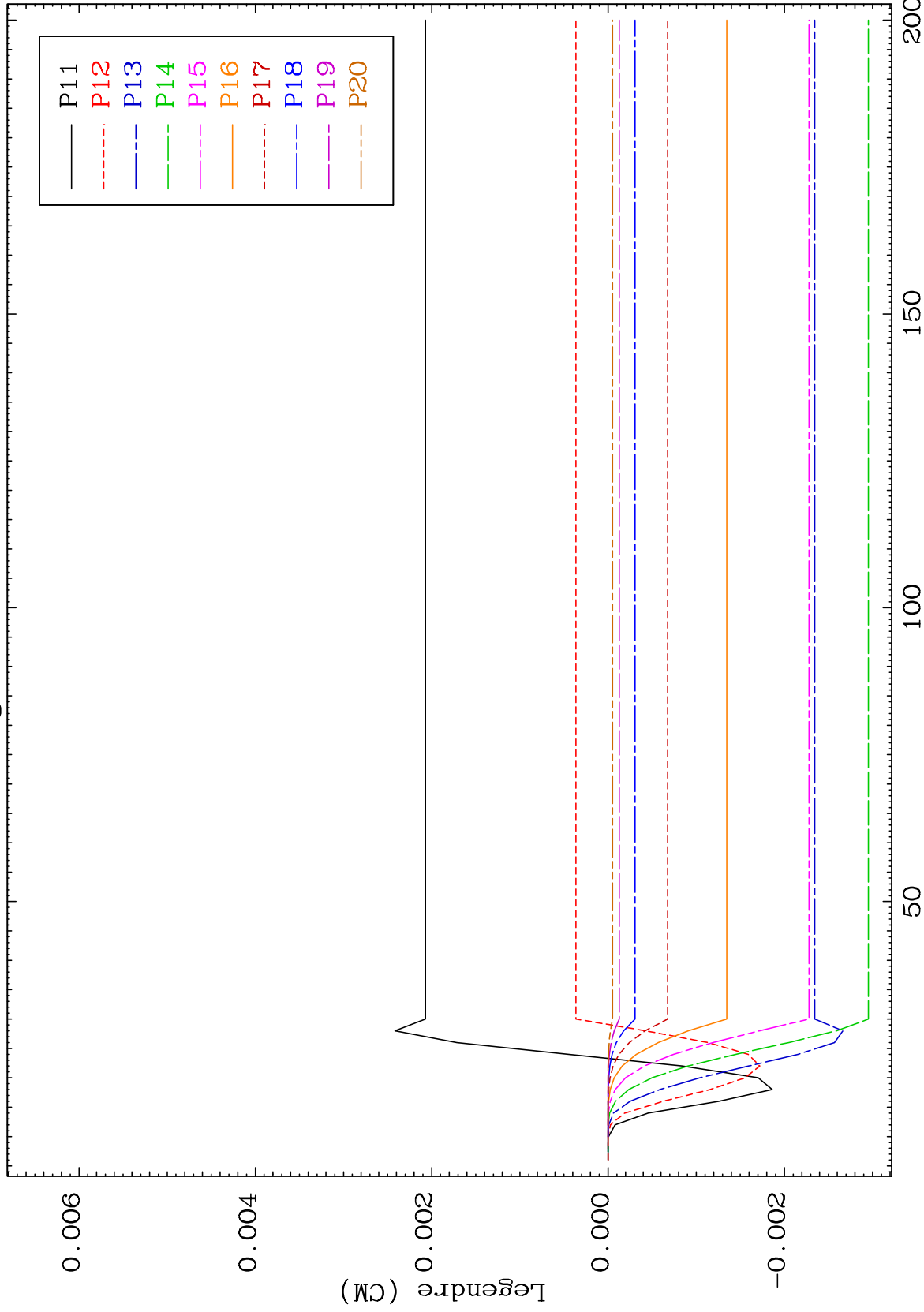
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



64

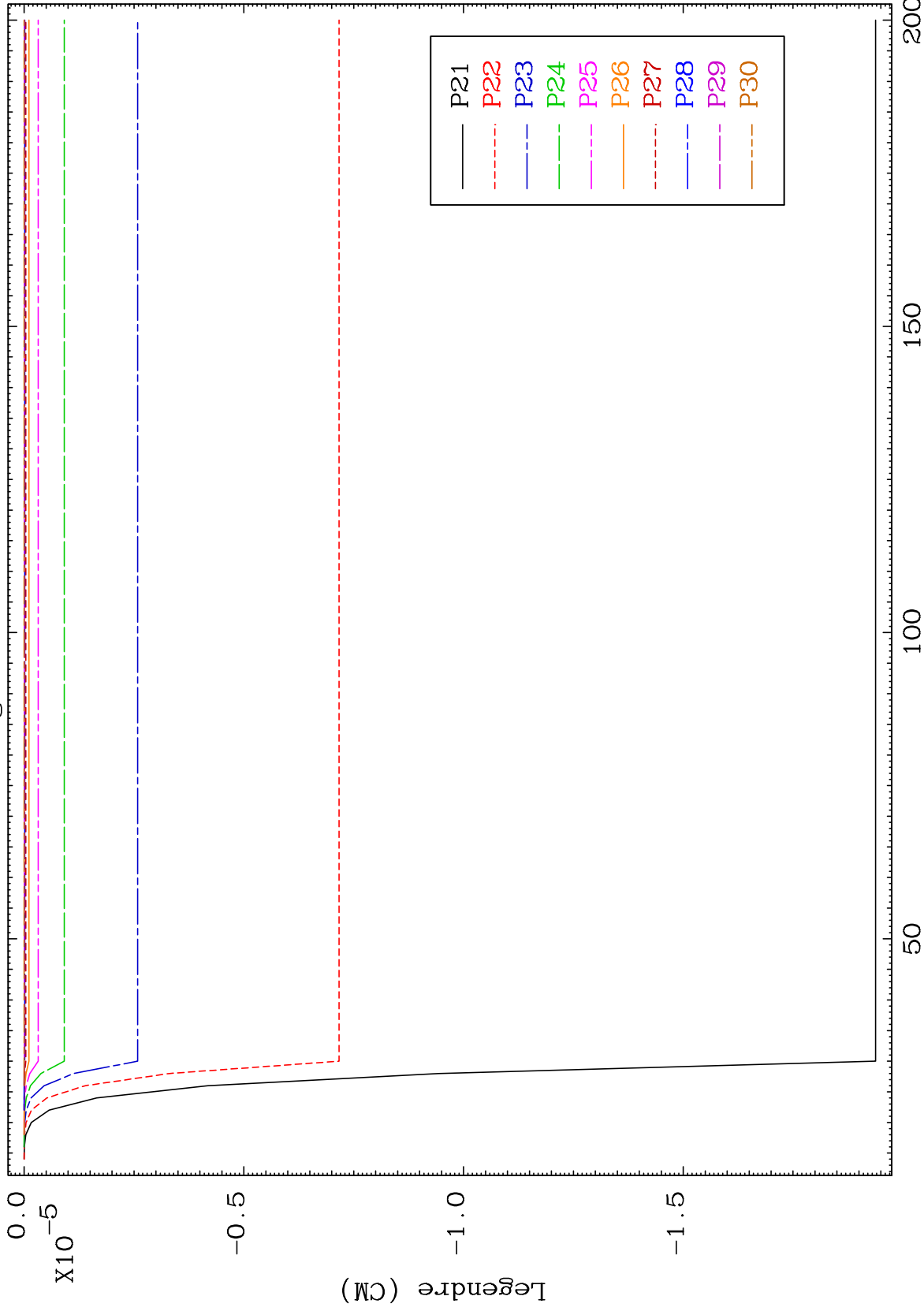
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



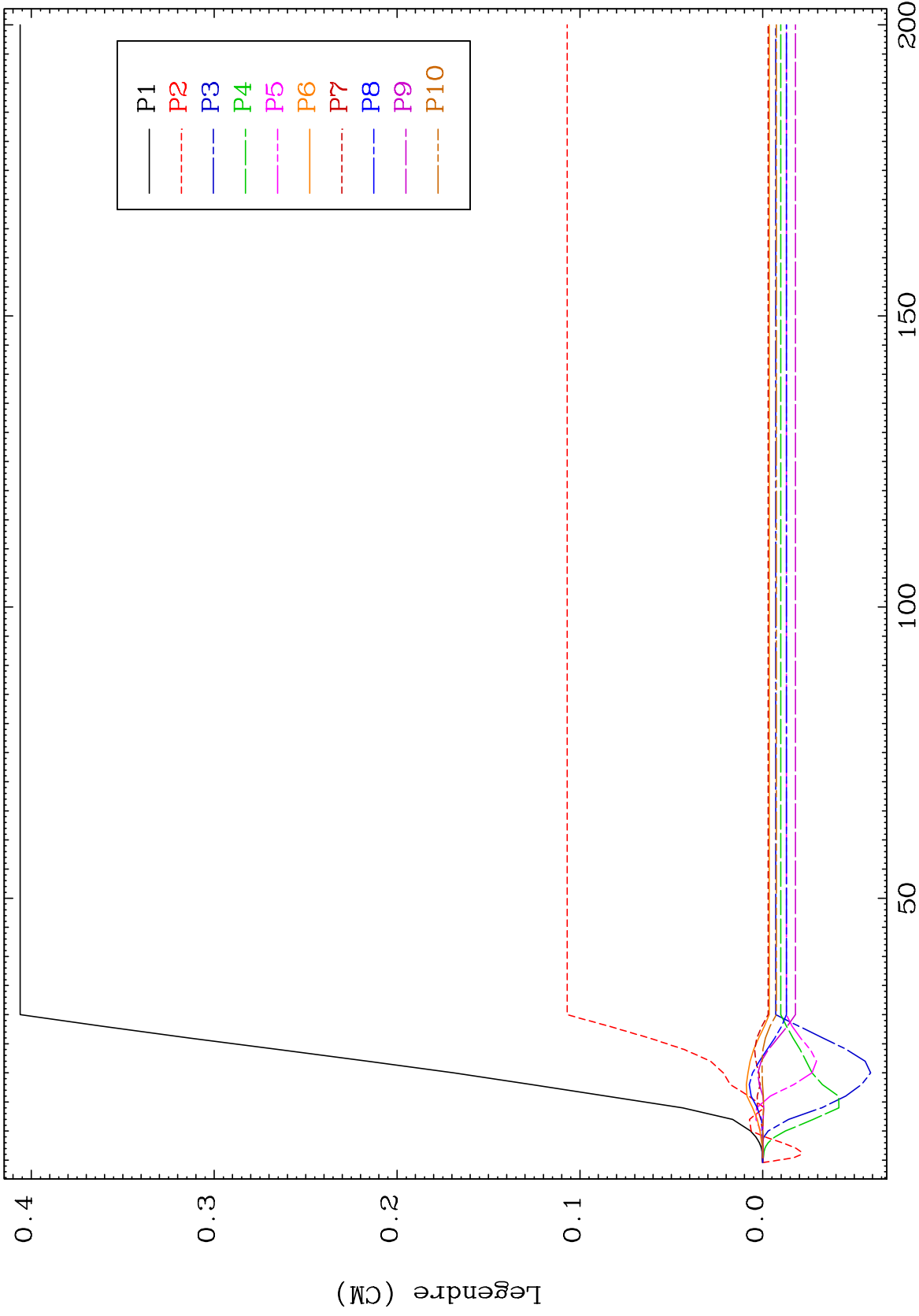
65

24-Cr-52

MAT 2431

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

24-Cr-52



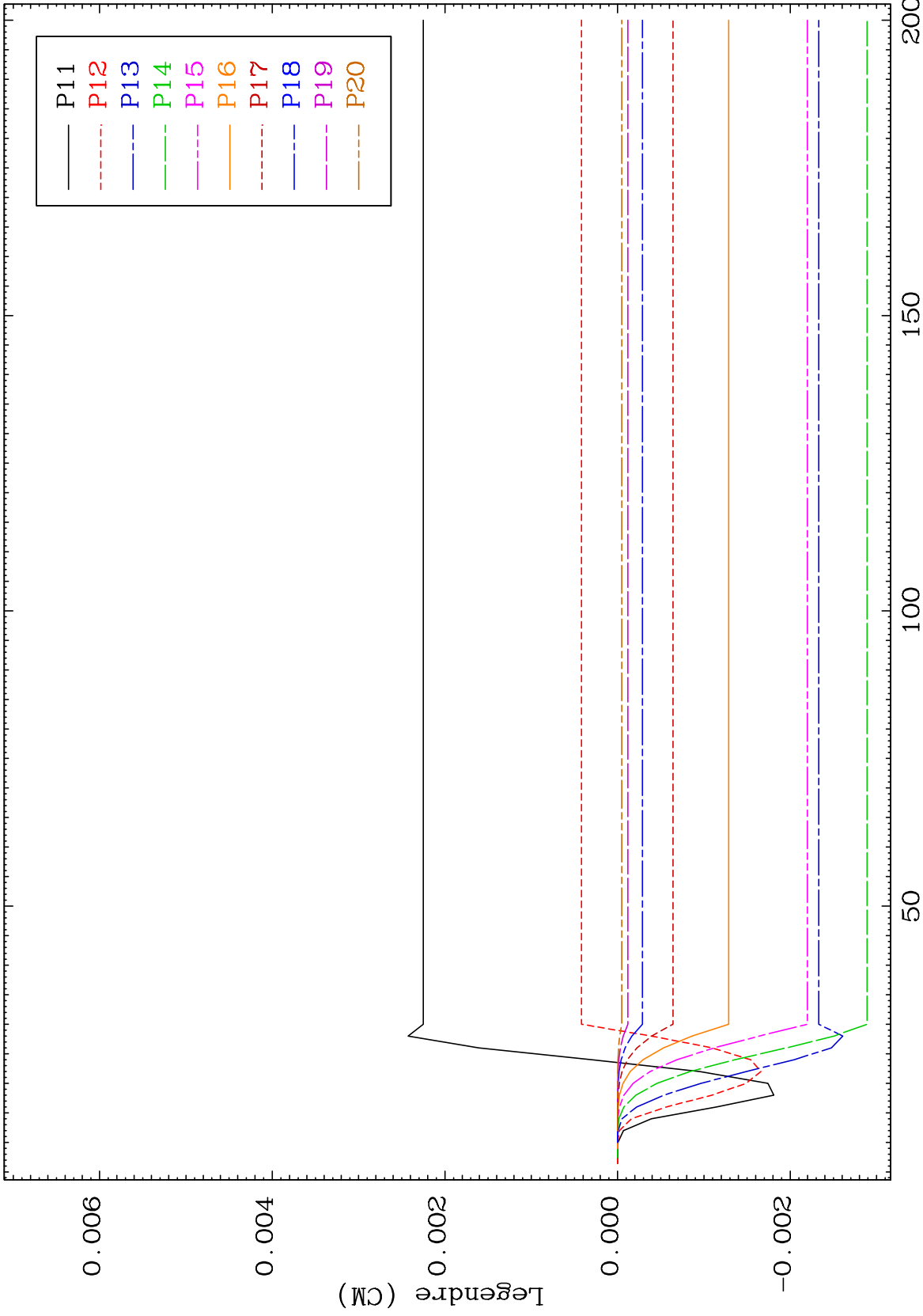
66

24-Cr-52

MAT 2431

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

24-Cr-52

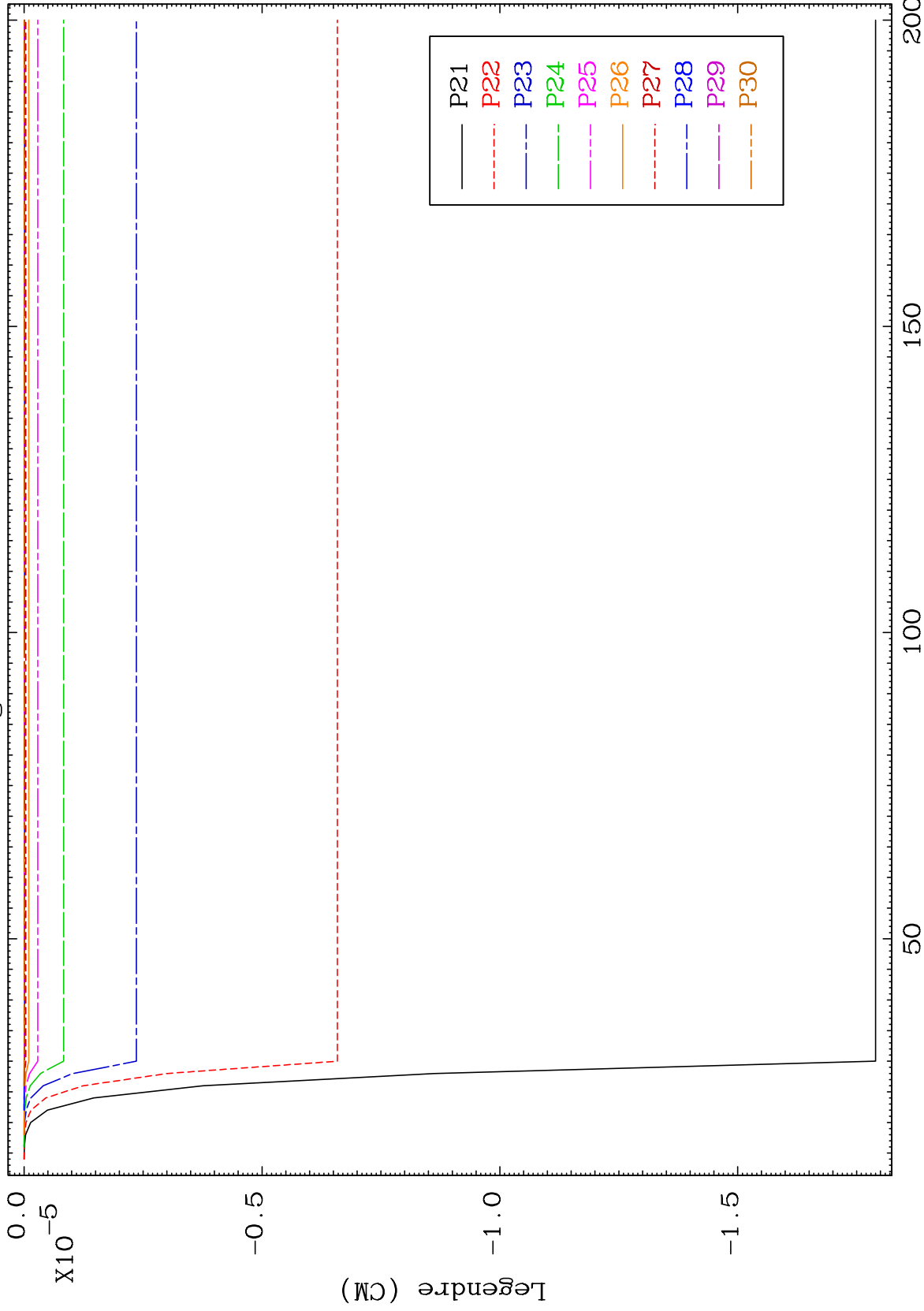


67

Incident Energy (MeV)

24-Cr-52

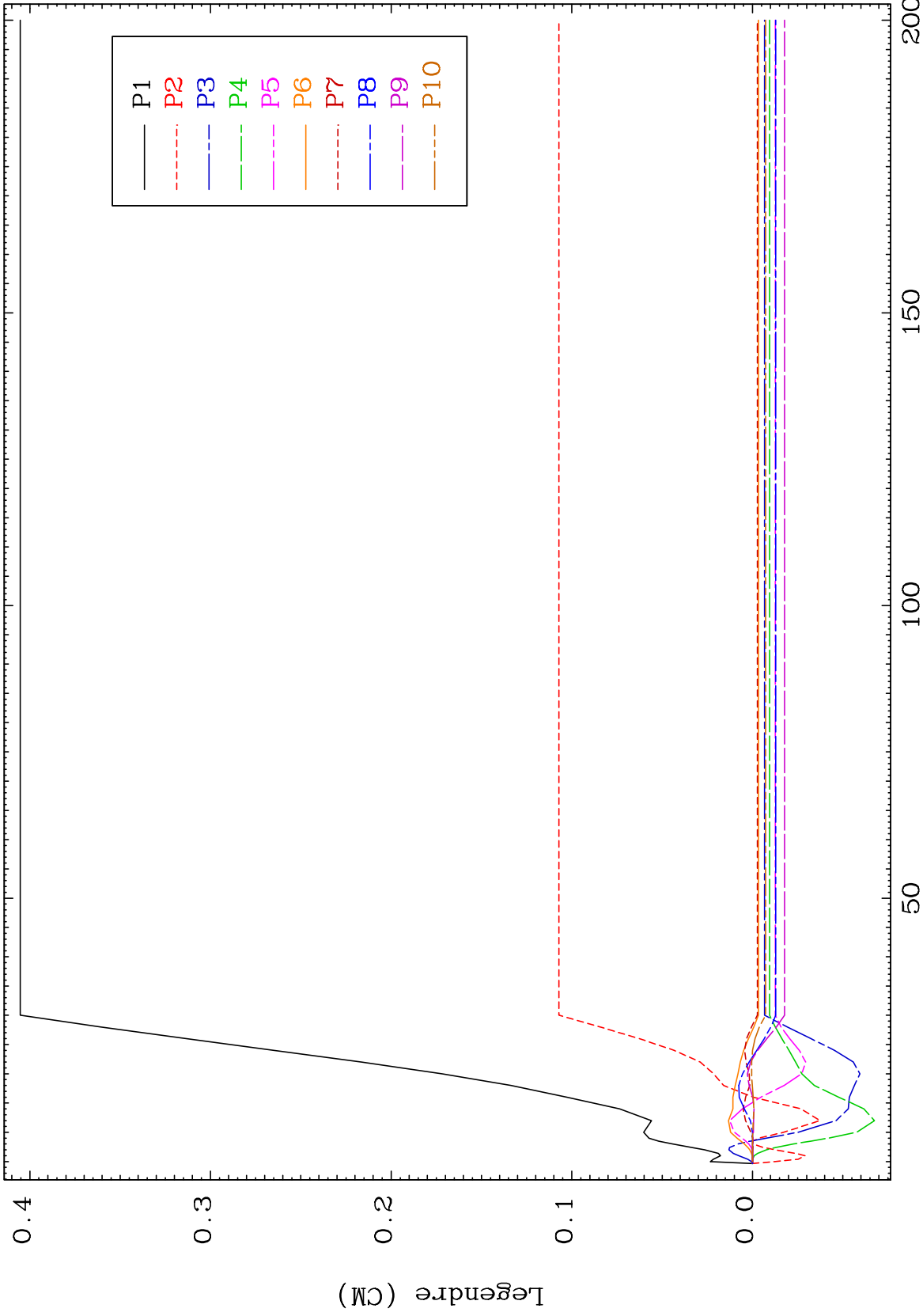
MAT 2431 MT= 67 (n,n') Level Legendre Coefficients



MAT 2431

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

24-Cr-52



69

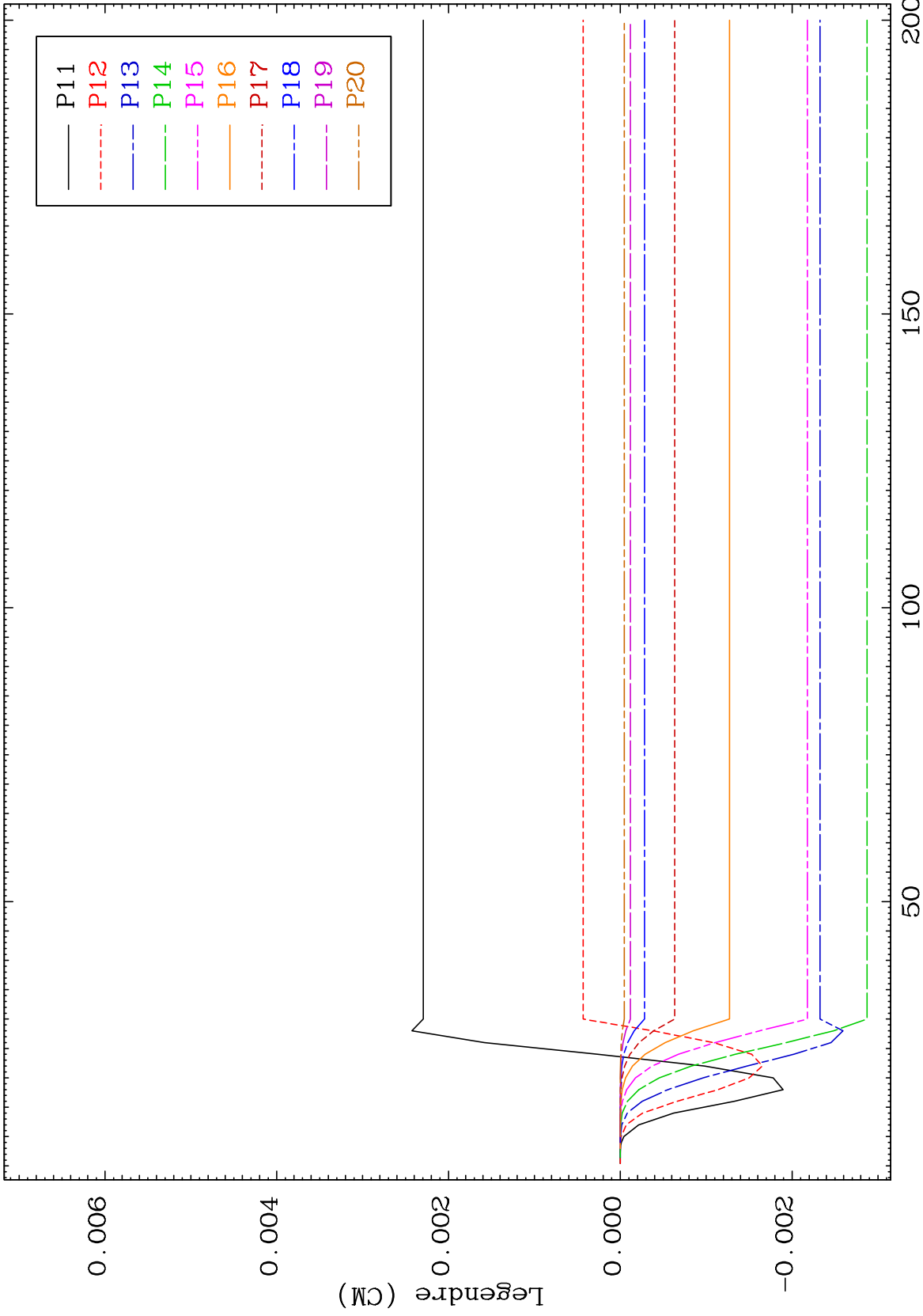
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

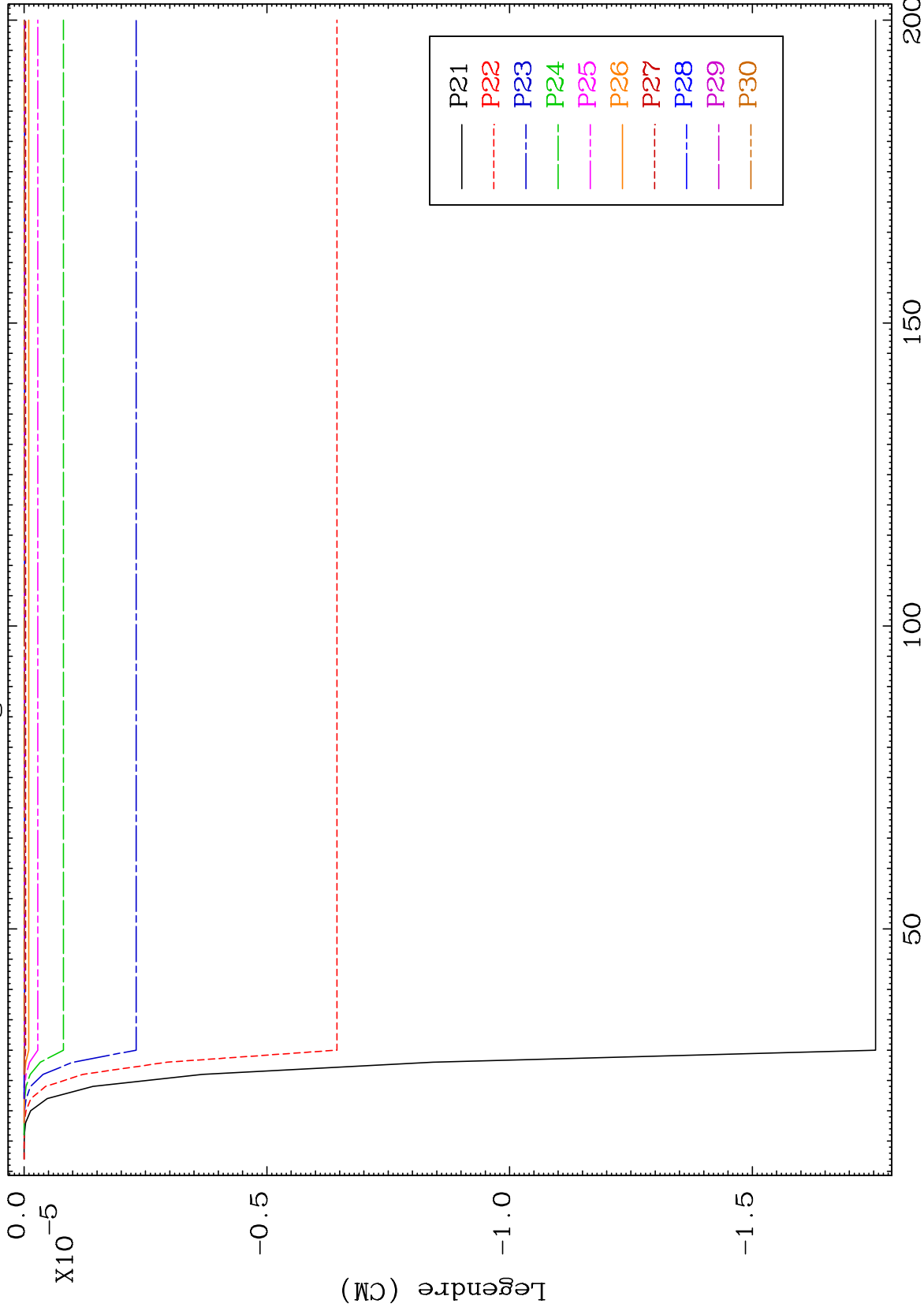
24-Cr-52



70

Incident Energy (MeV)

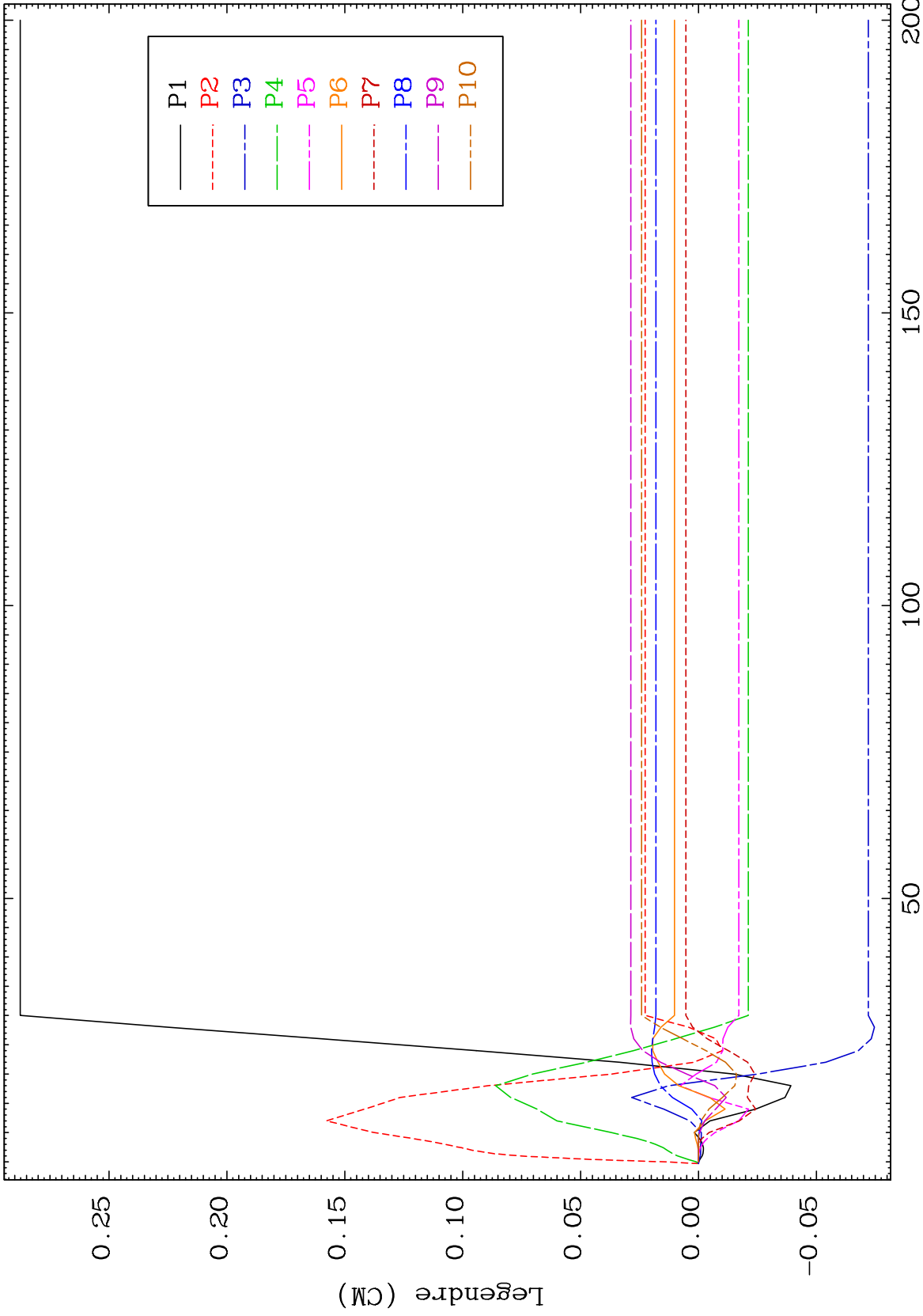
24-Cr-52



MAT 2431

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

24-Cr-52



72

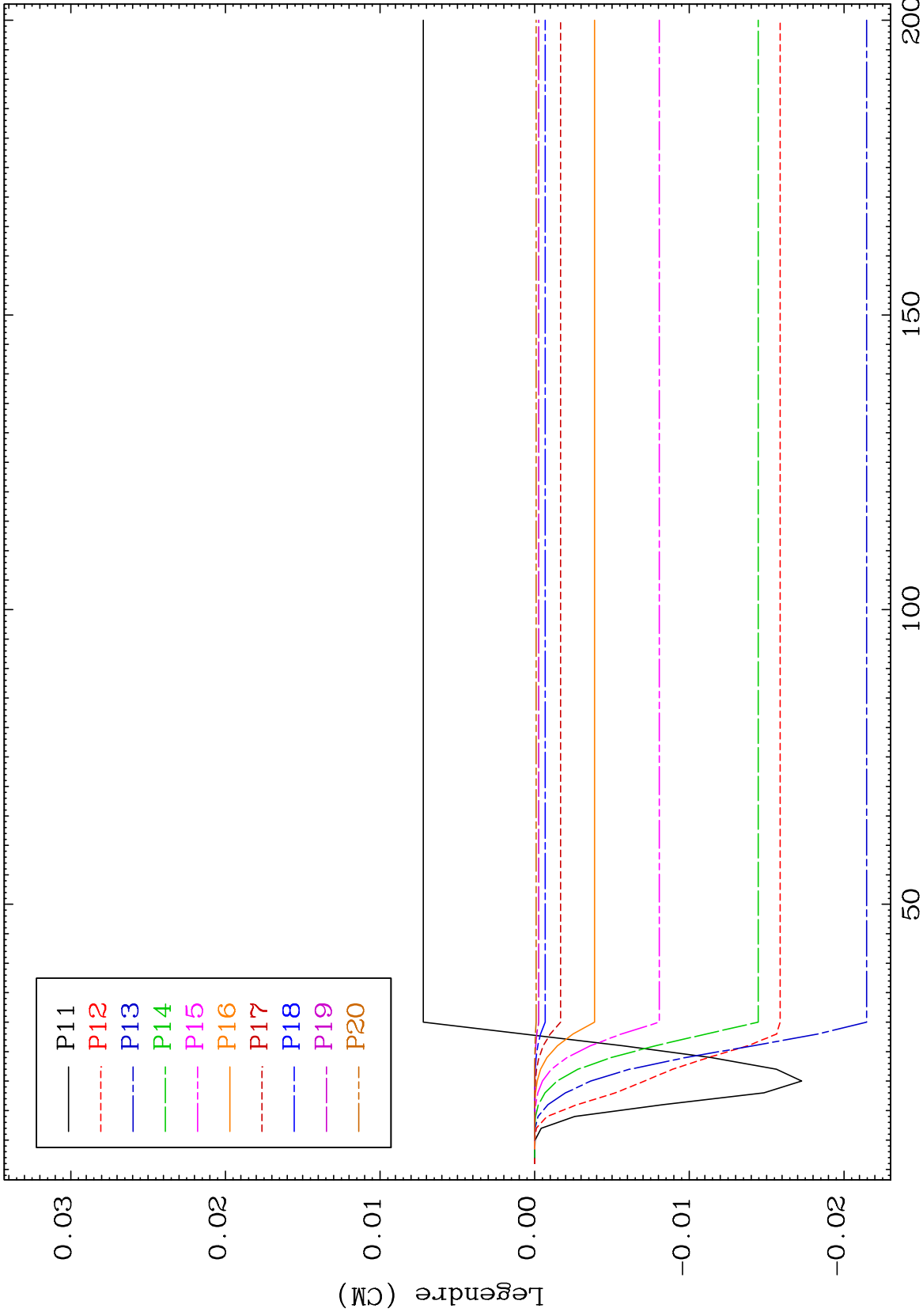
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



73

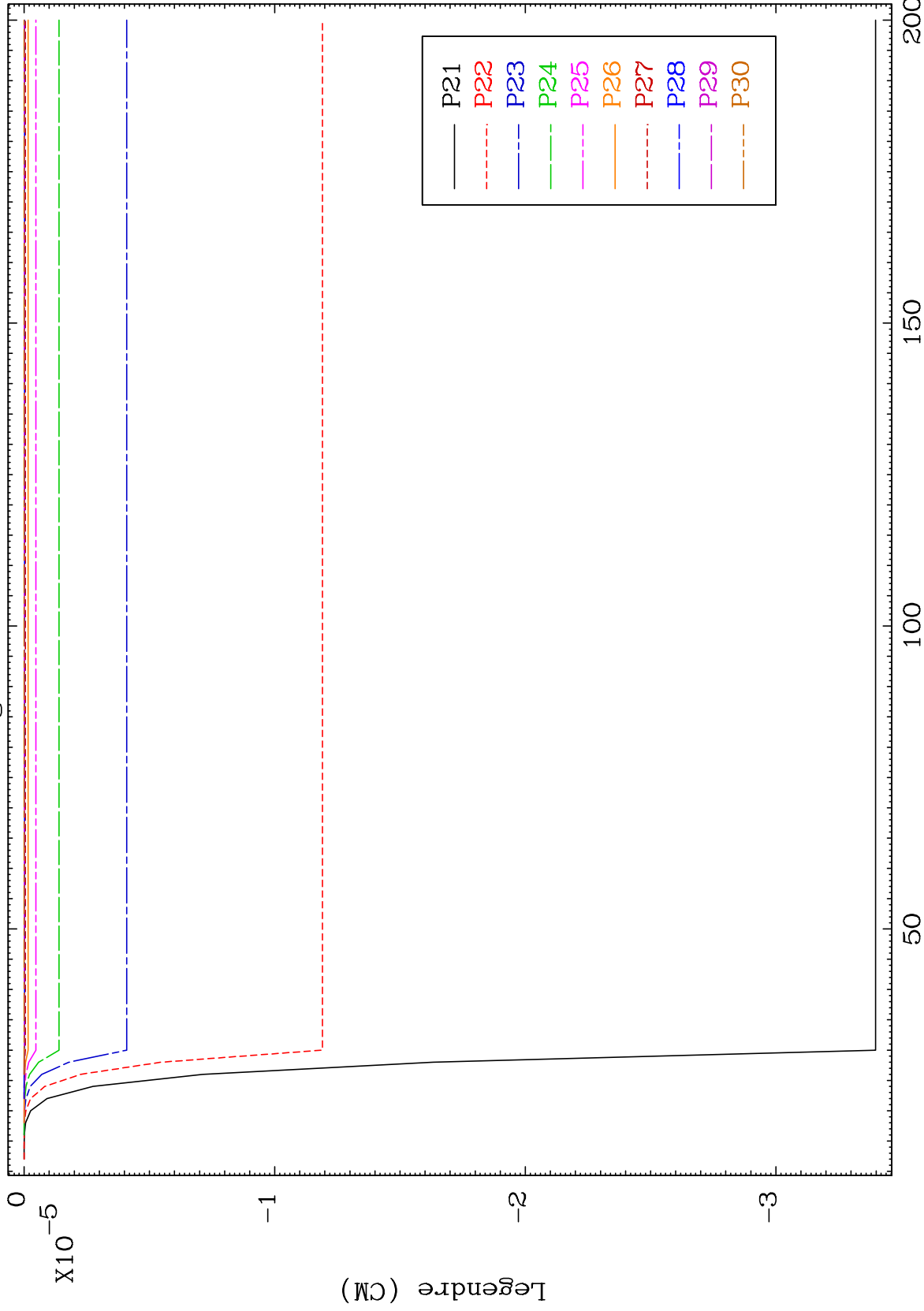
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



24-Cr-52

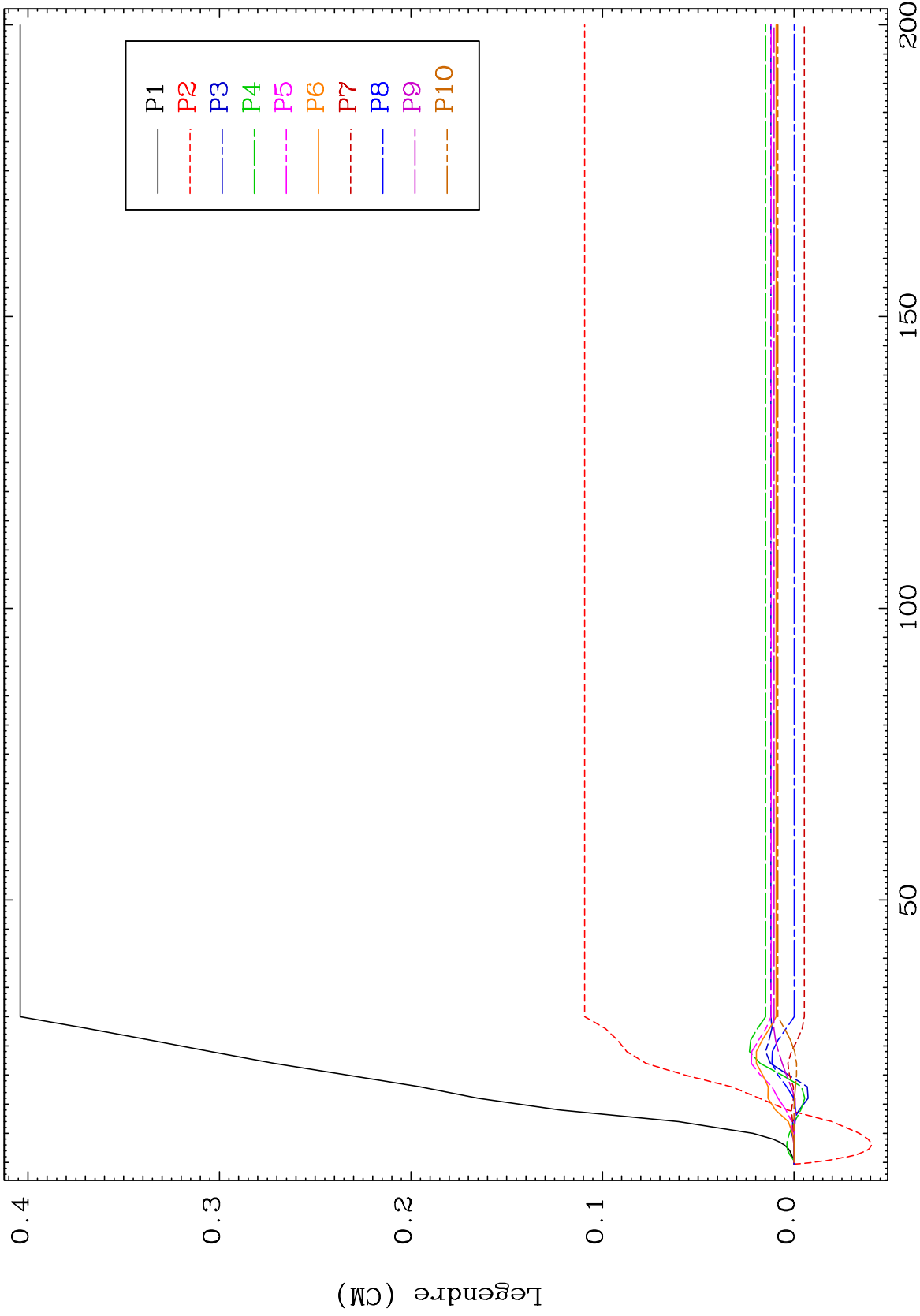
Incident Energy (MeV)

74

MAT 2431

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

24-Cr-52



75

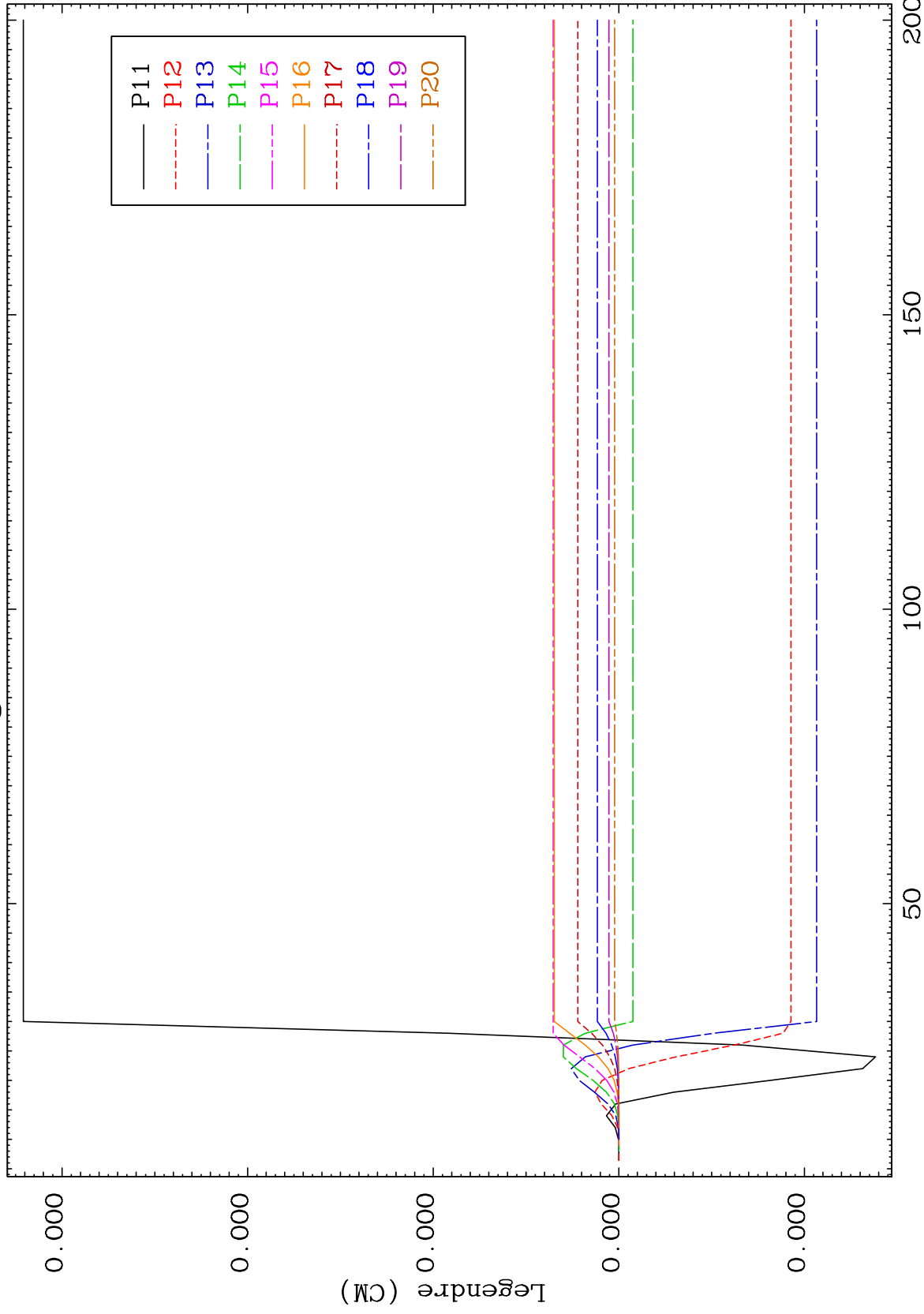
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



76

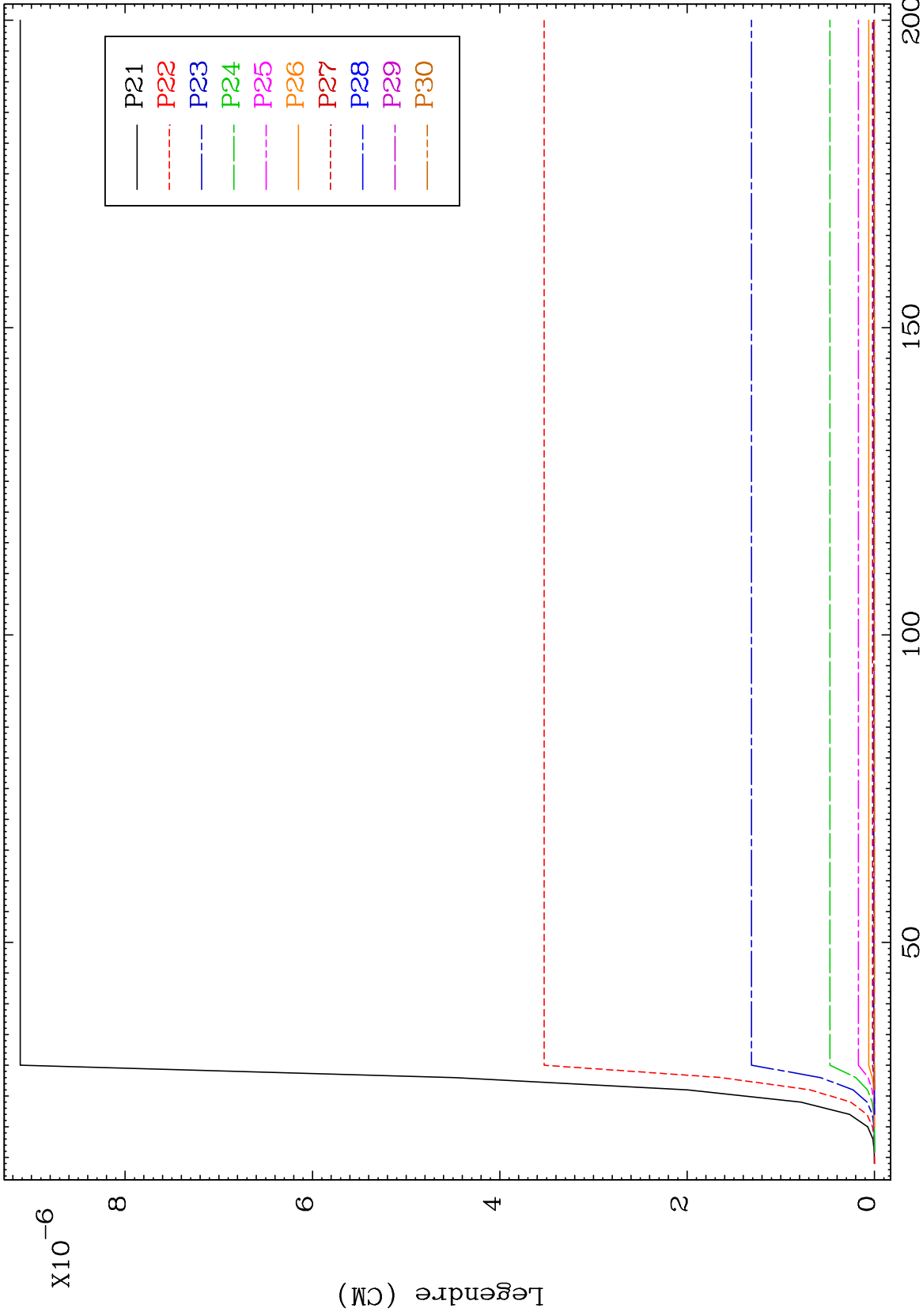
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



77

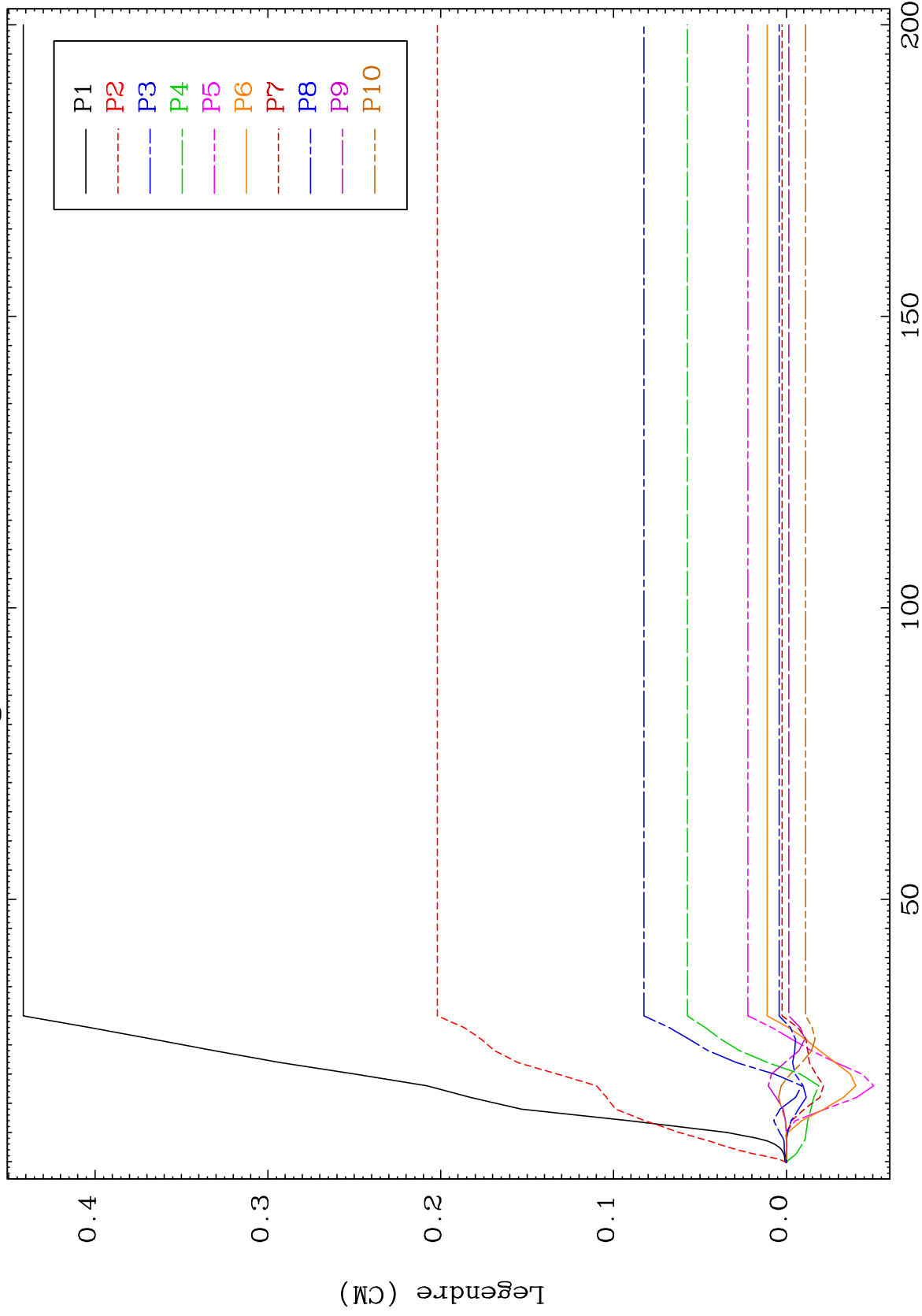
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



78

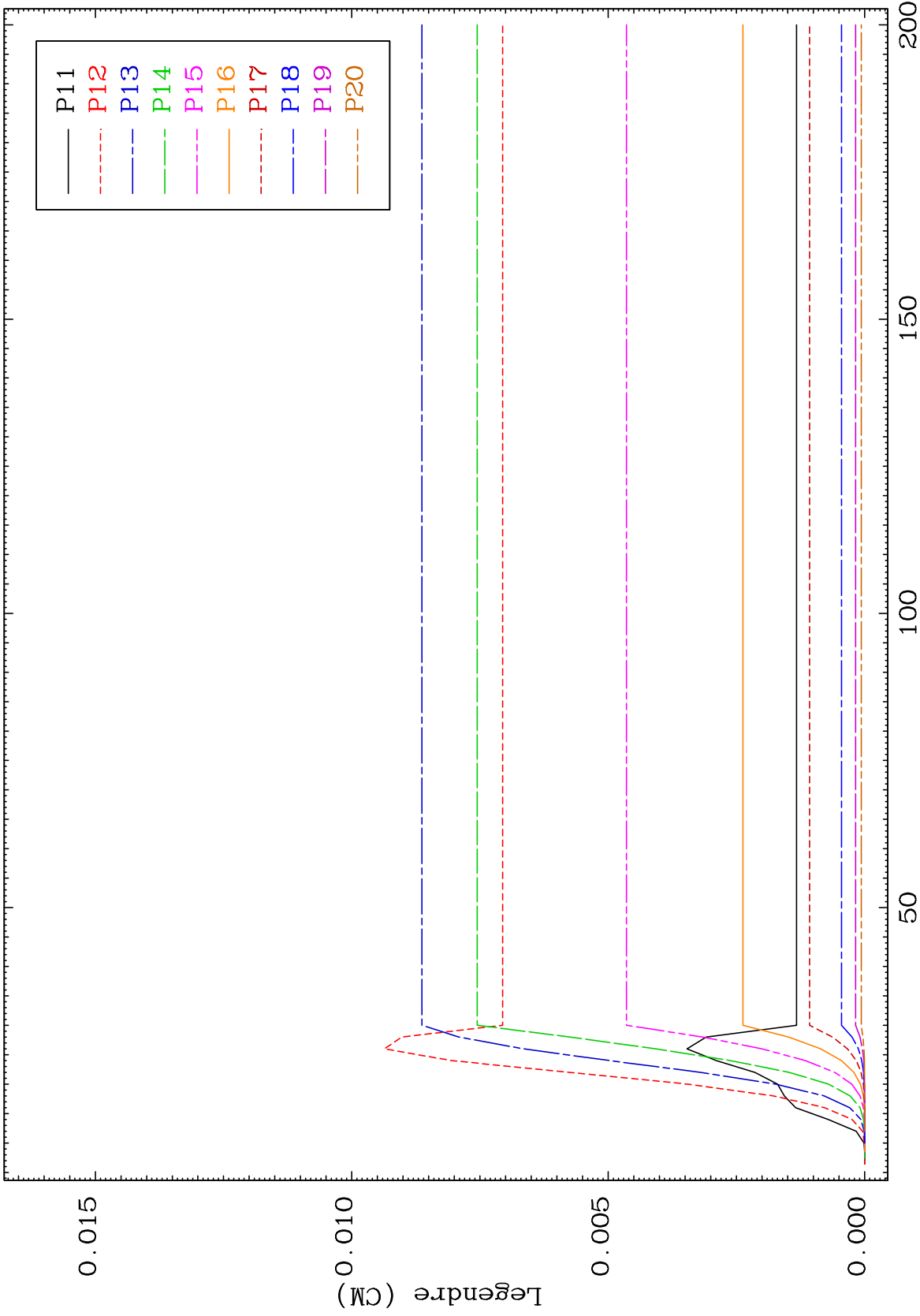
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



79

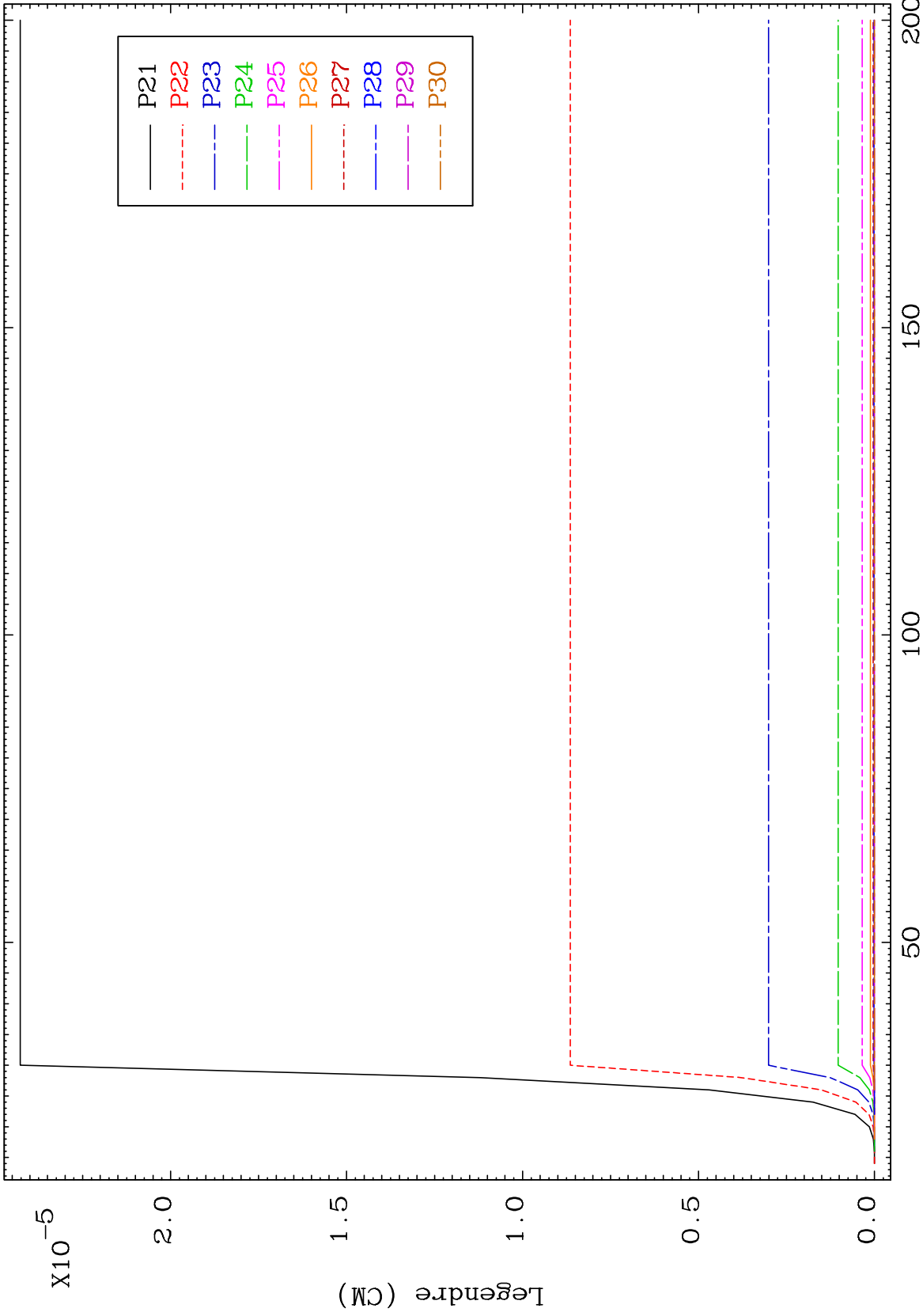
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



80

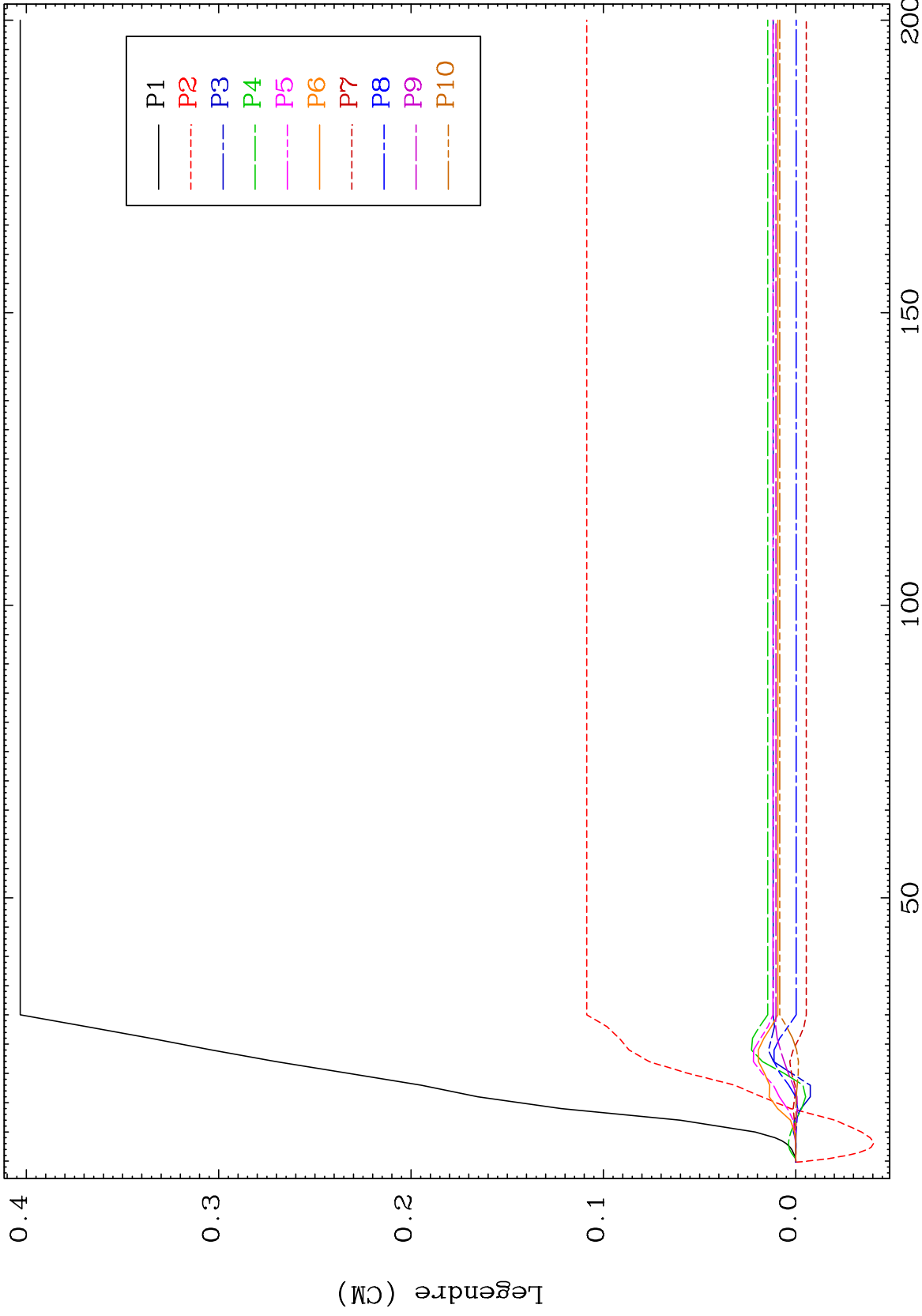
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



81

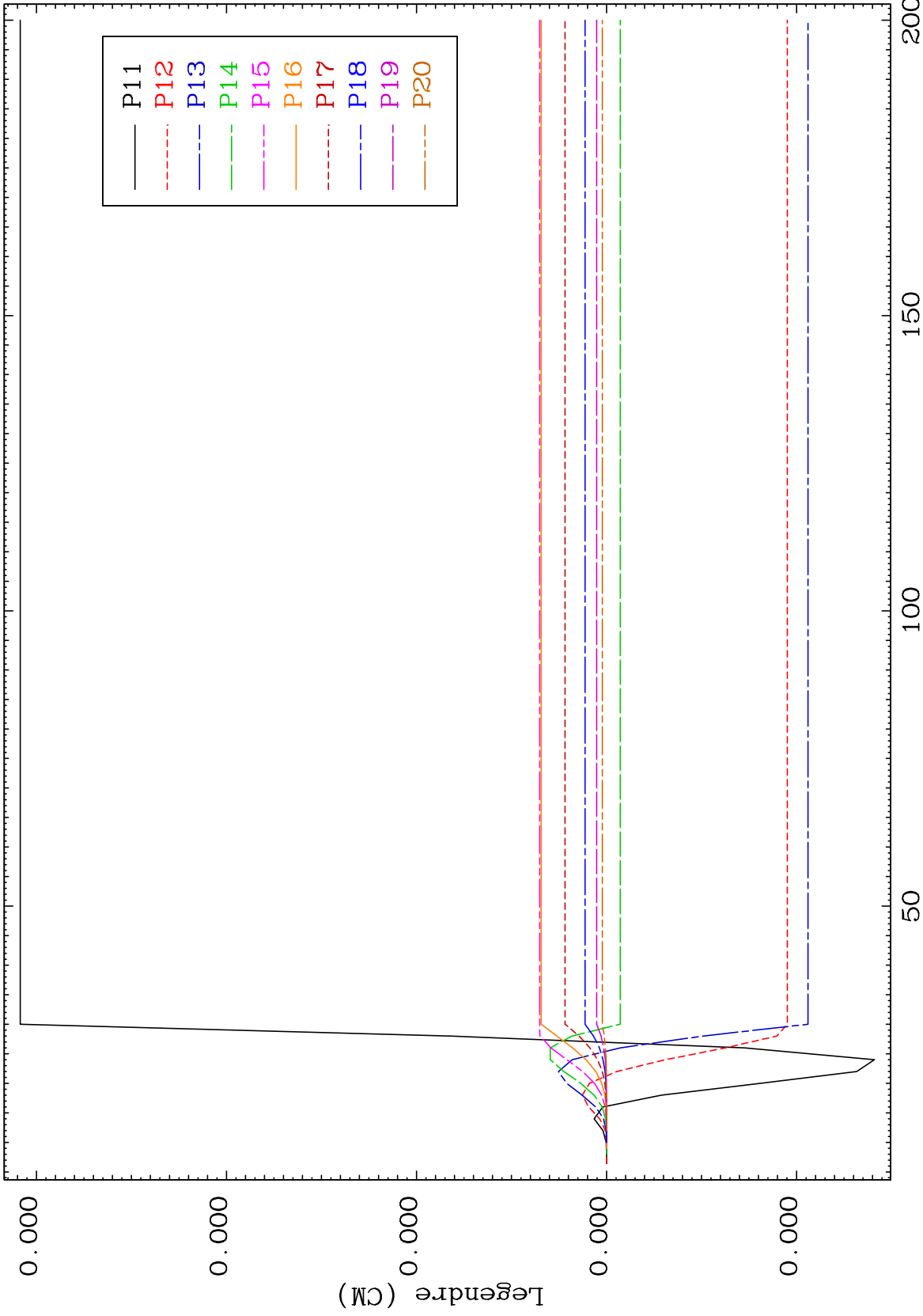
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



82

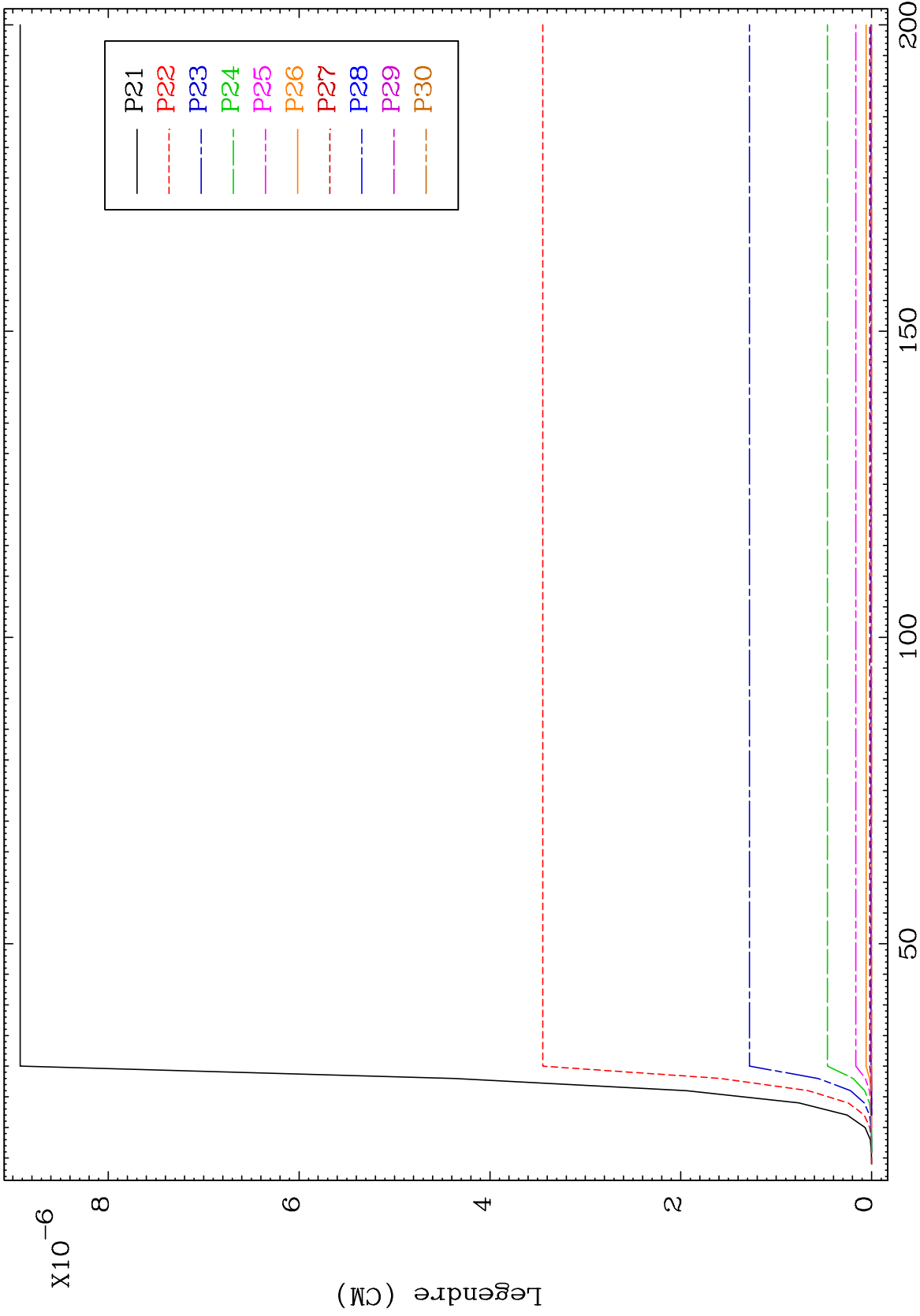
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



83

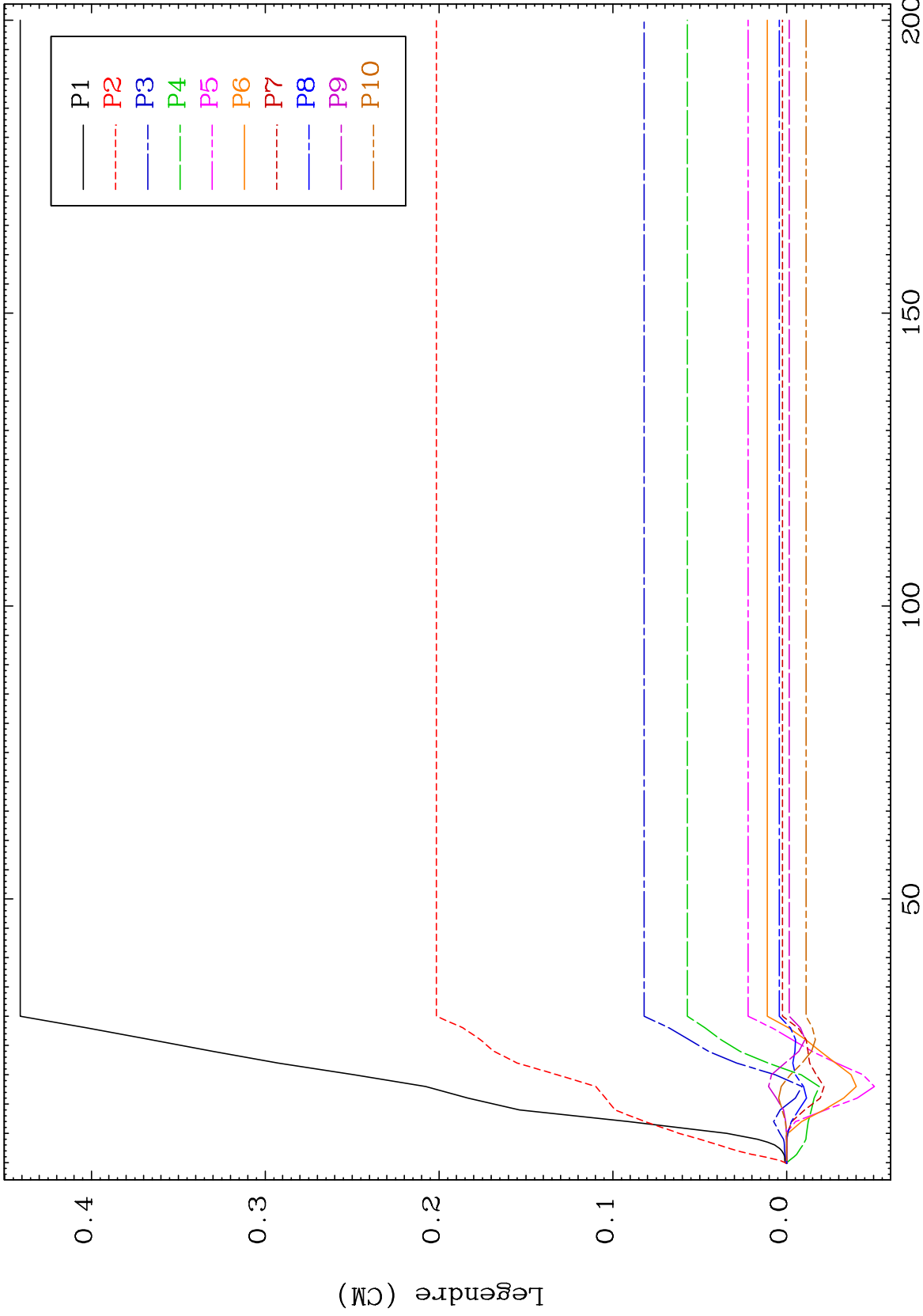
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



84

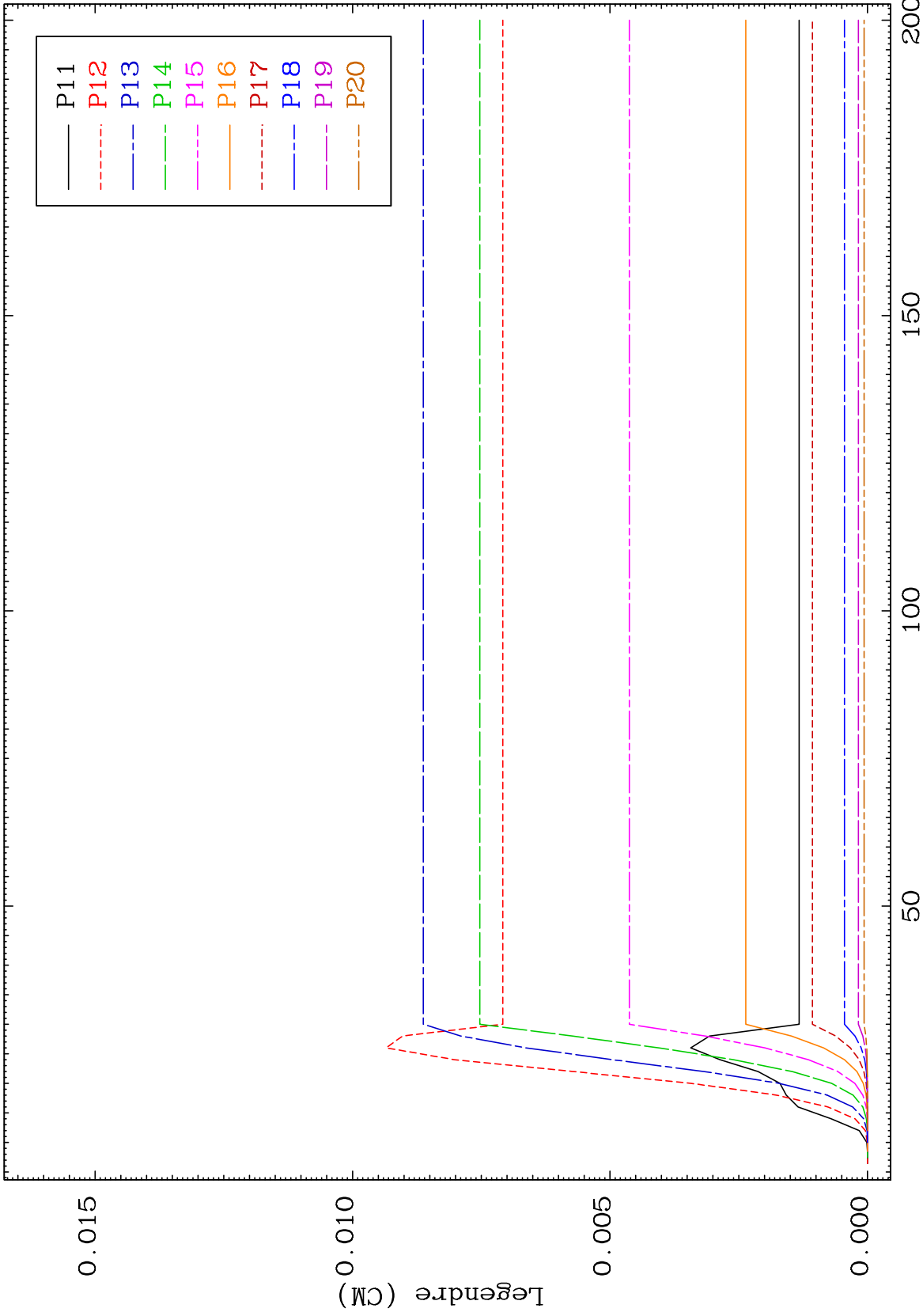
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



85

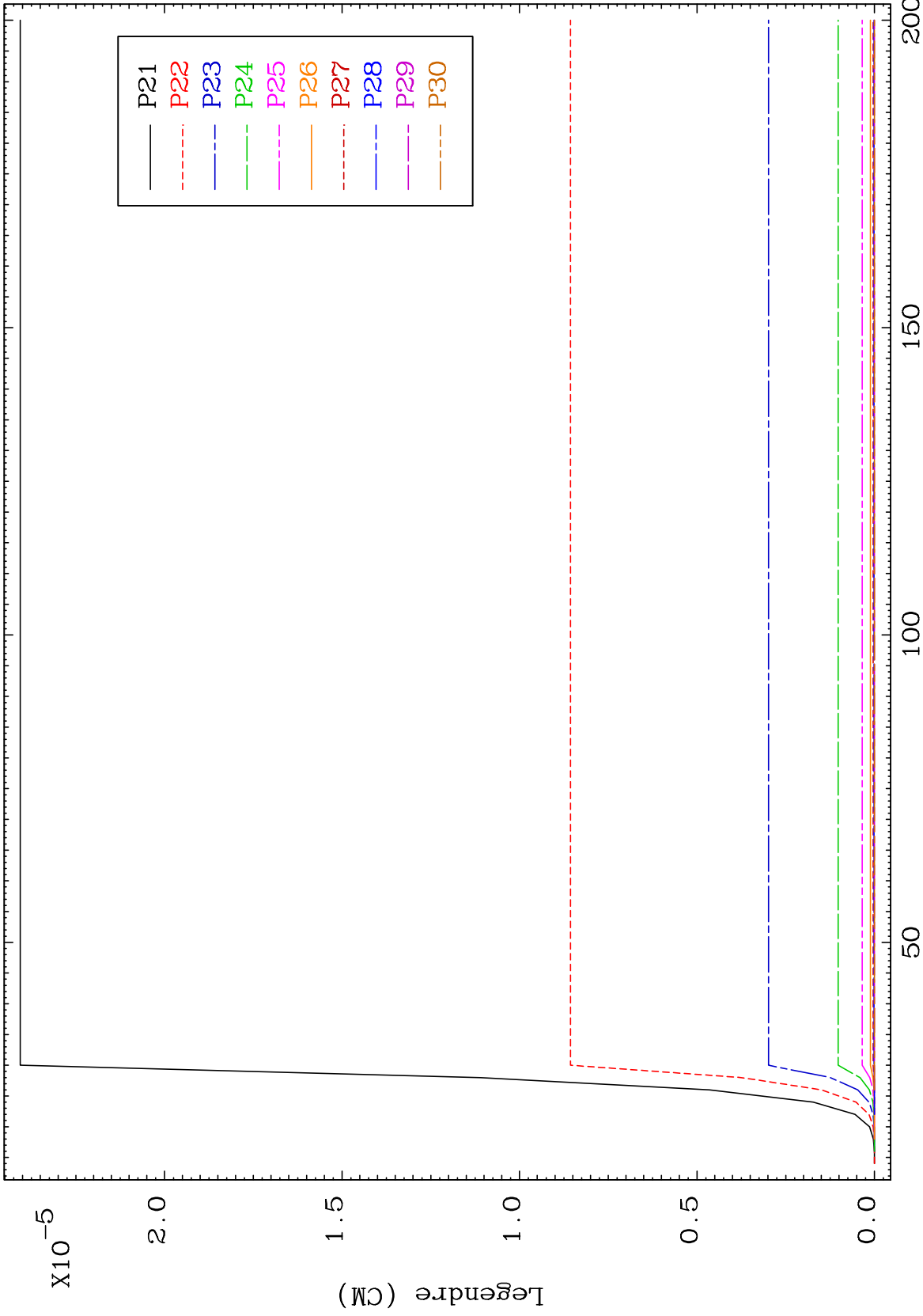
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



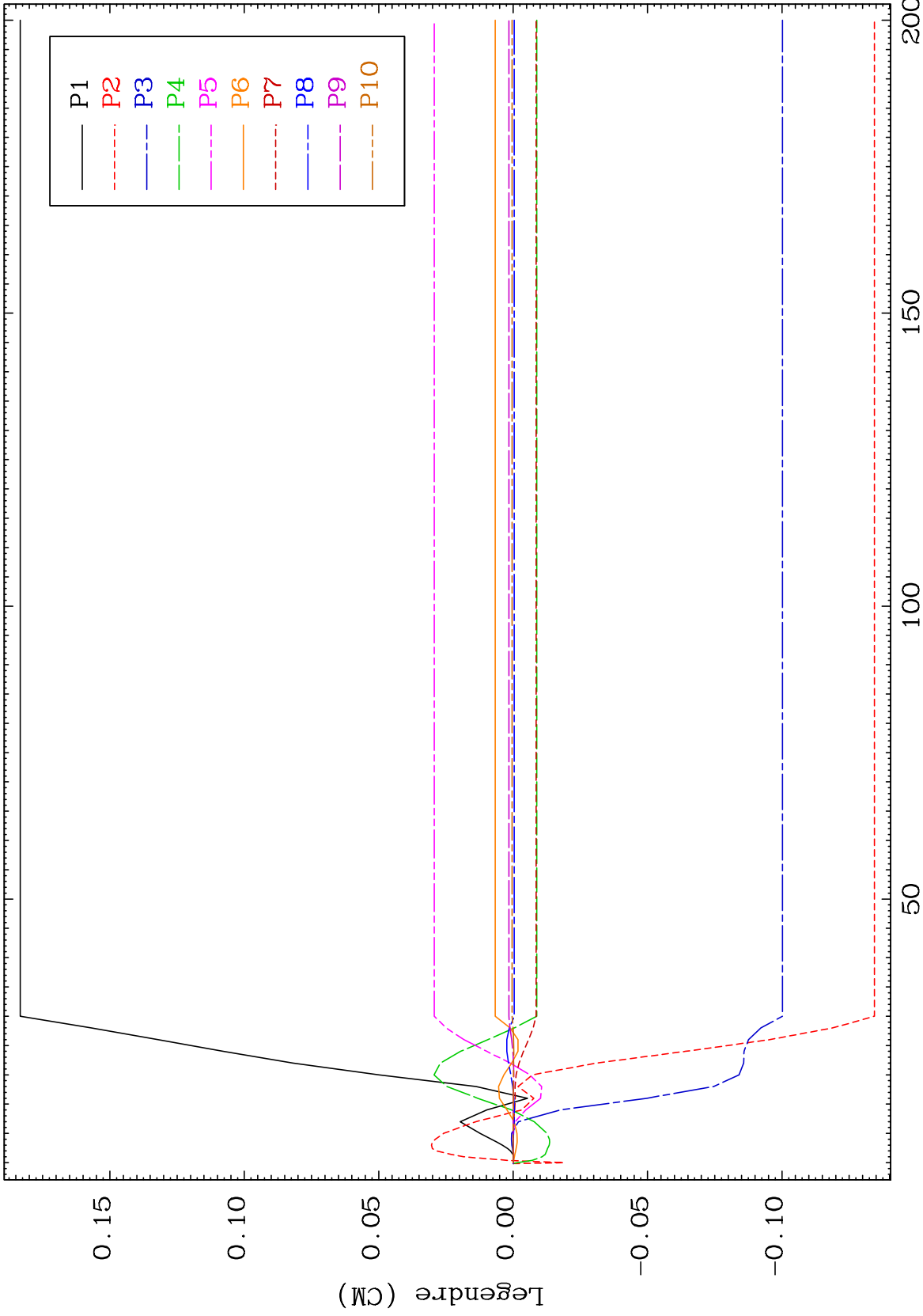
86

24-Cr-52

MAT 2431

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

24-Cr-52



87

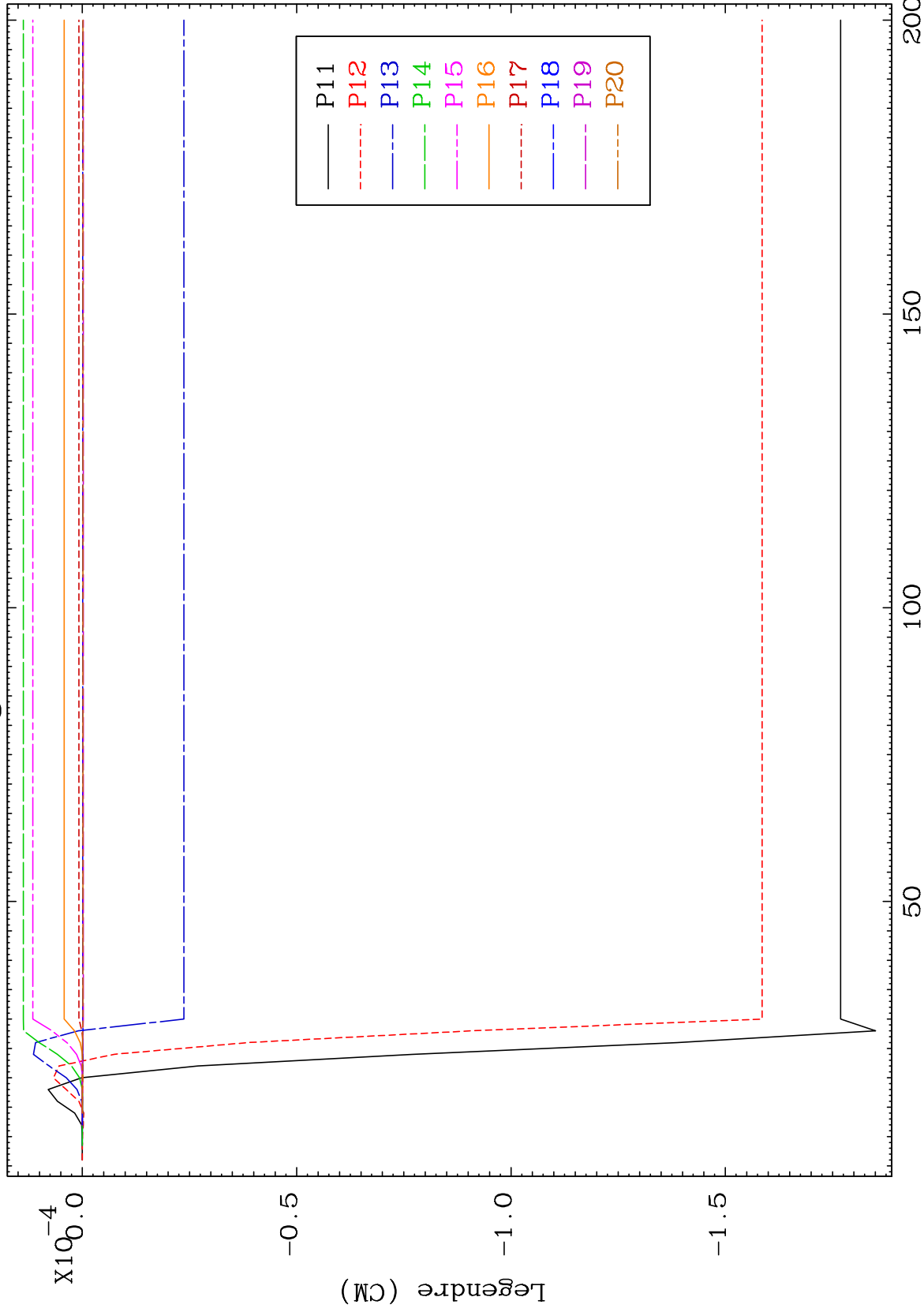
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

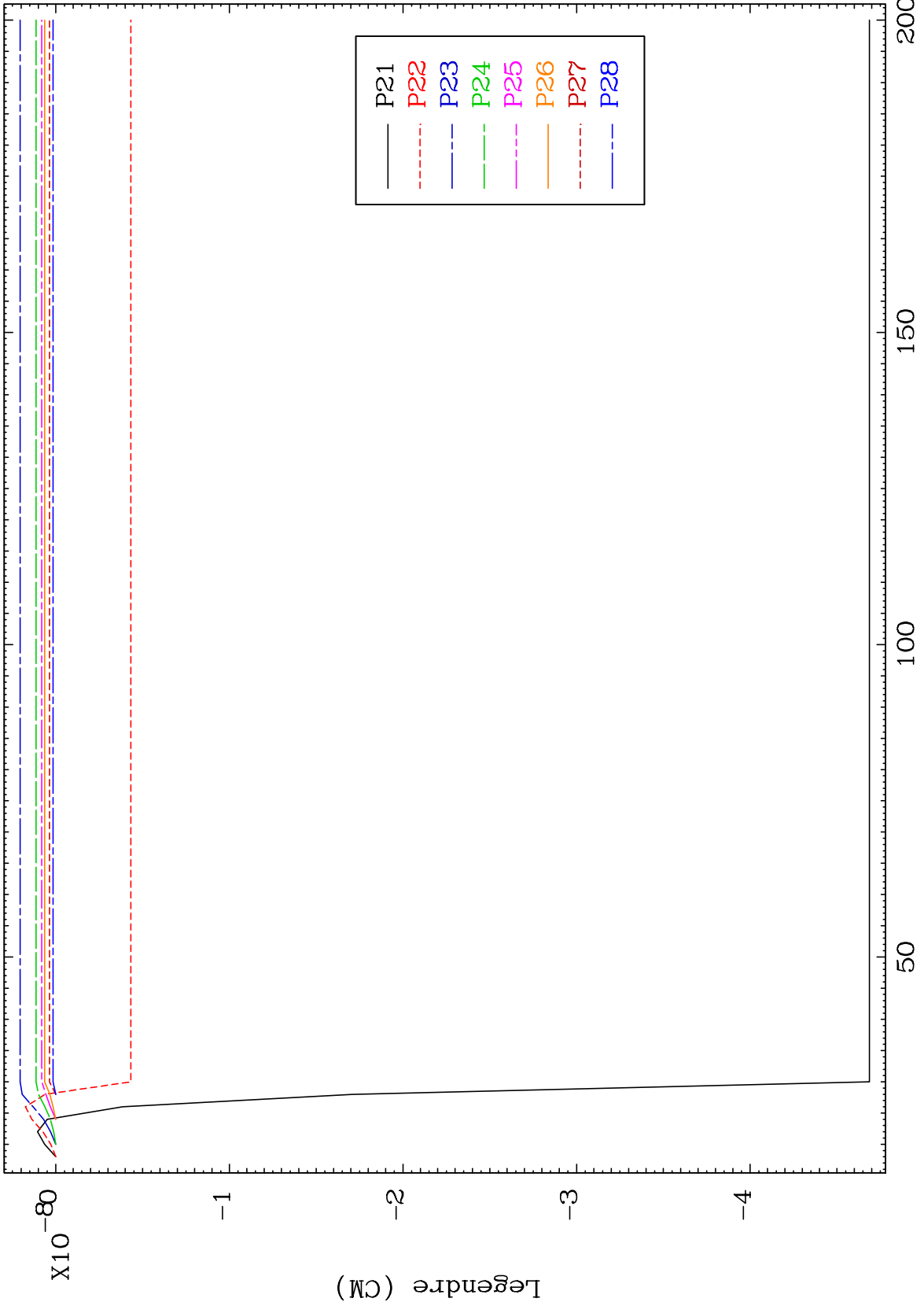
24-Cr-52



88

24-Cr-52

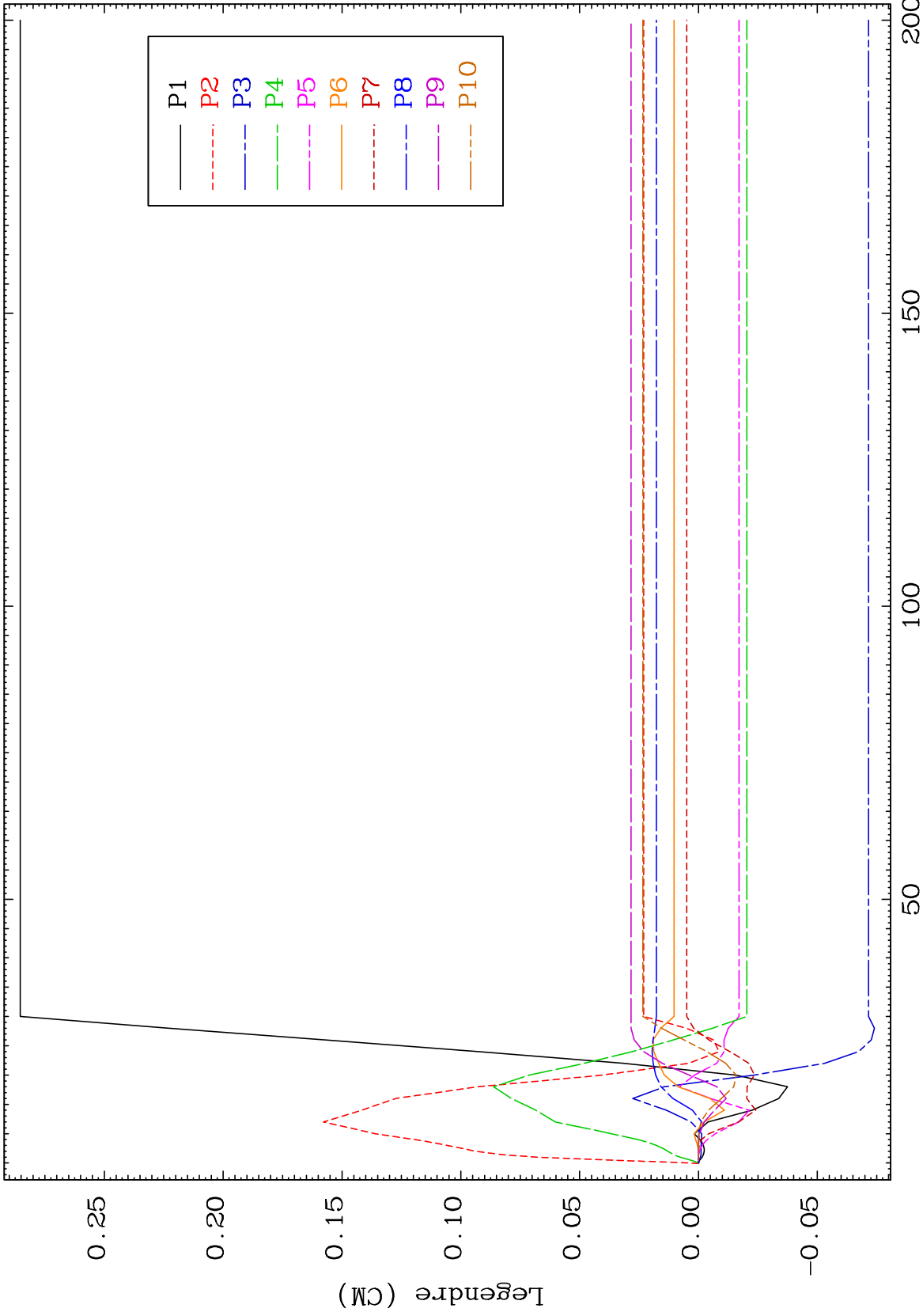
MAT 2431 MT= 74 (n,n') Level Legendre Coefficients 24-Cr-52



MAT 2431

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

24-Cr-52



90

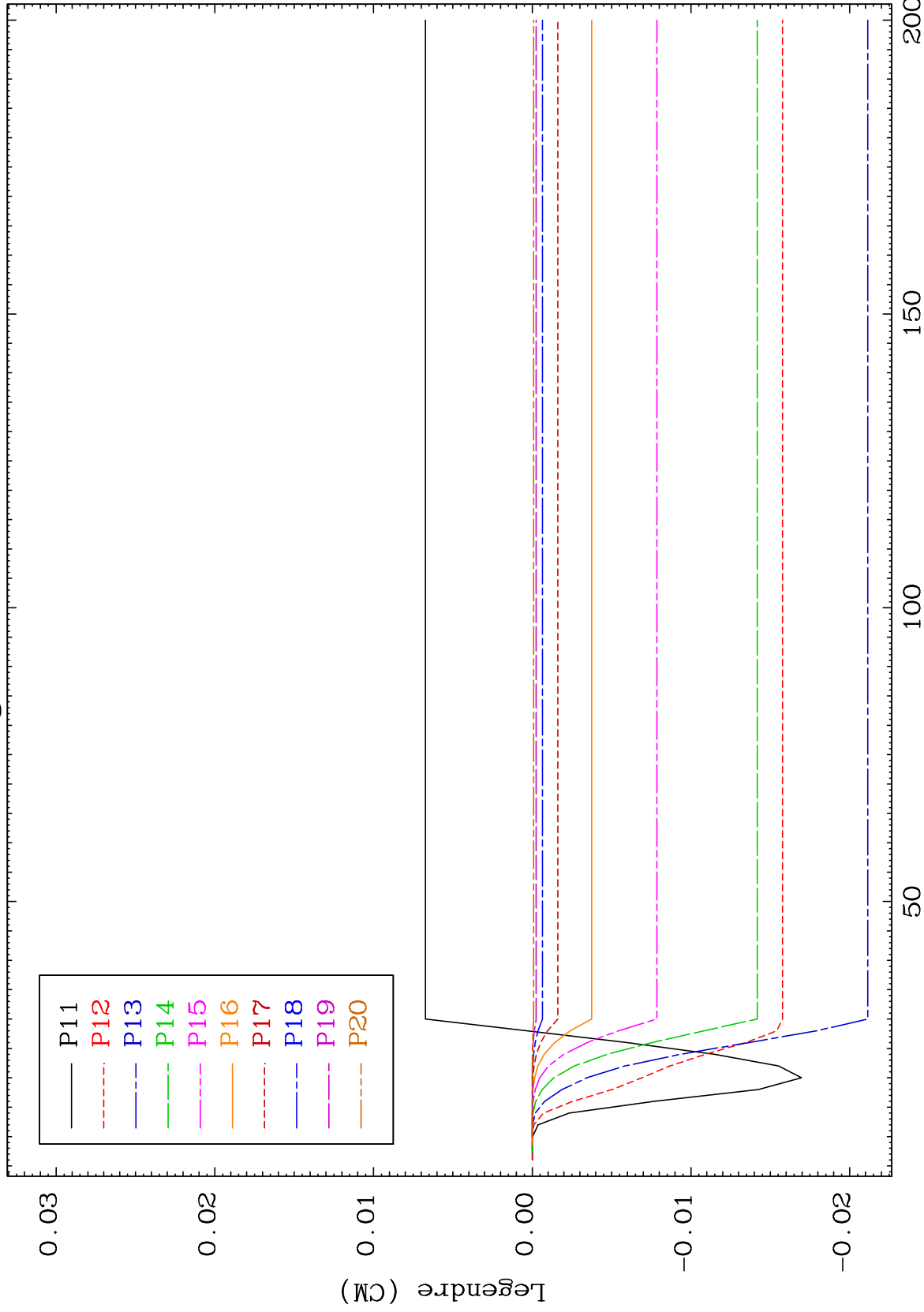
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



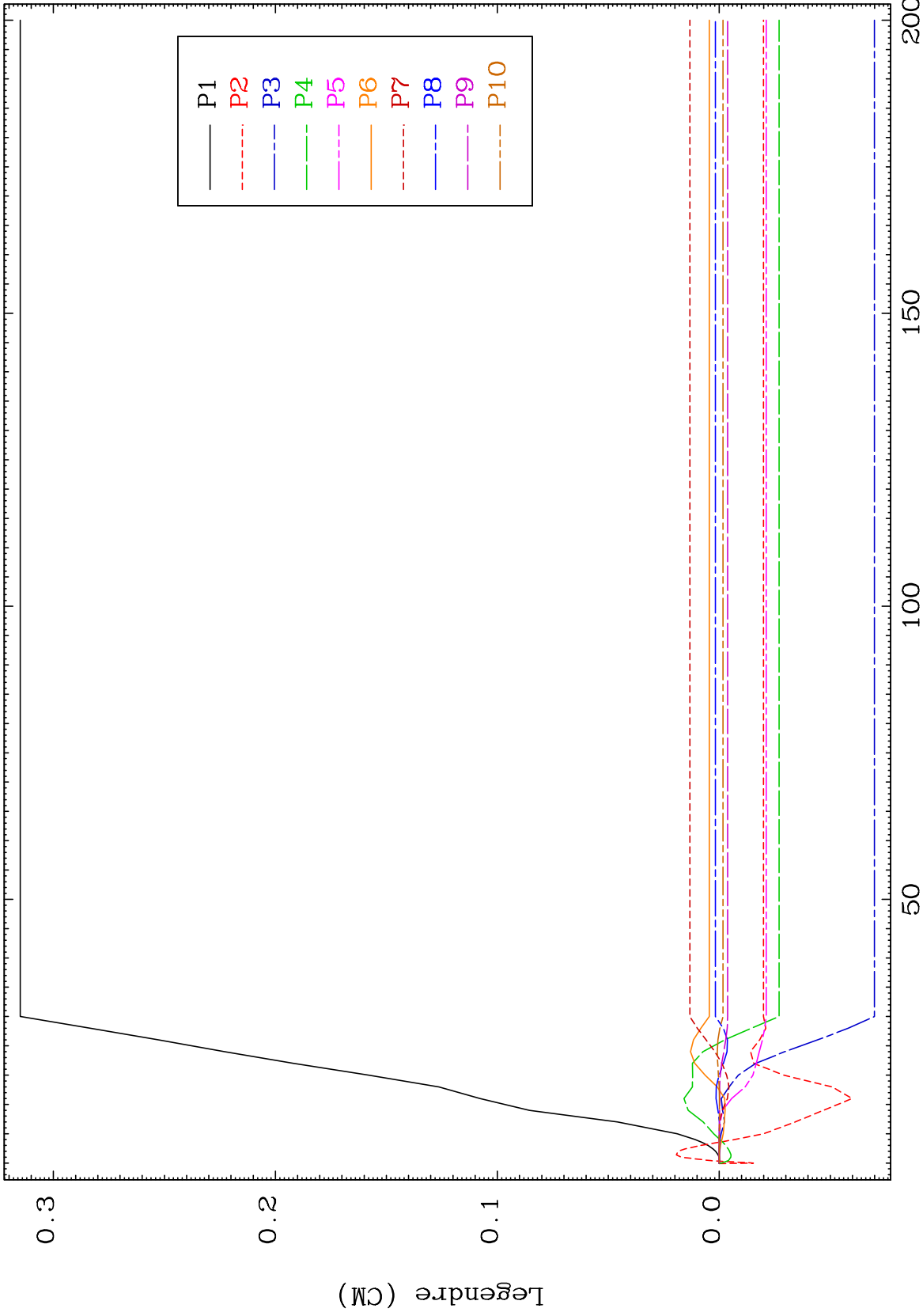
91

24-Cr-52

MAT 2431

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

24-Cr-52



93

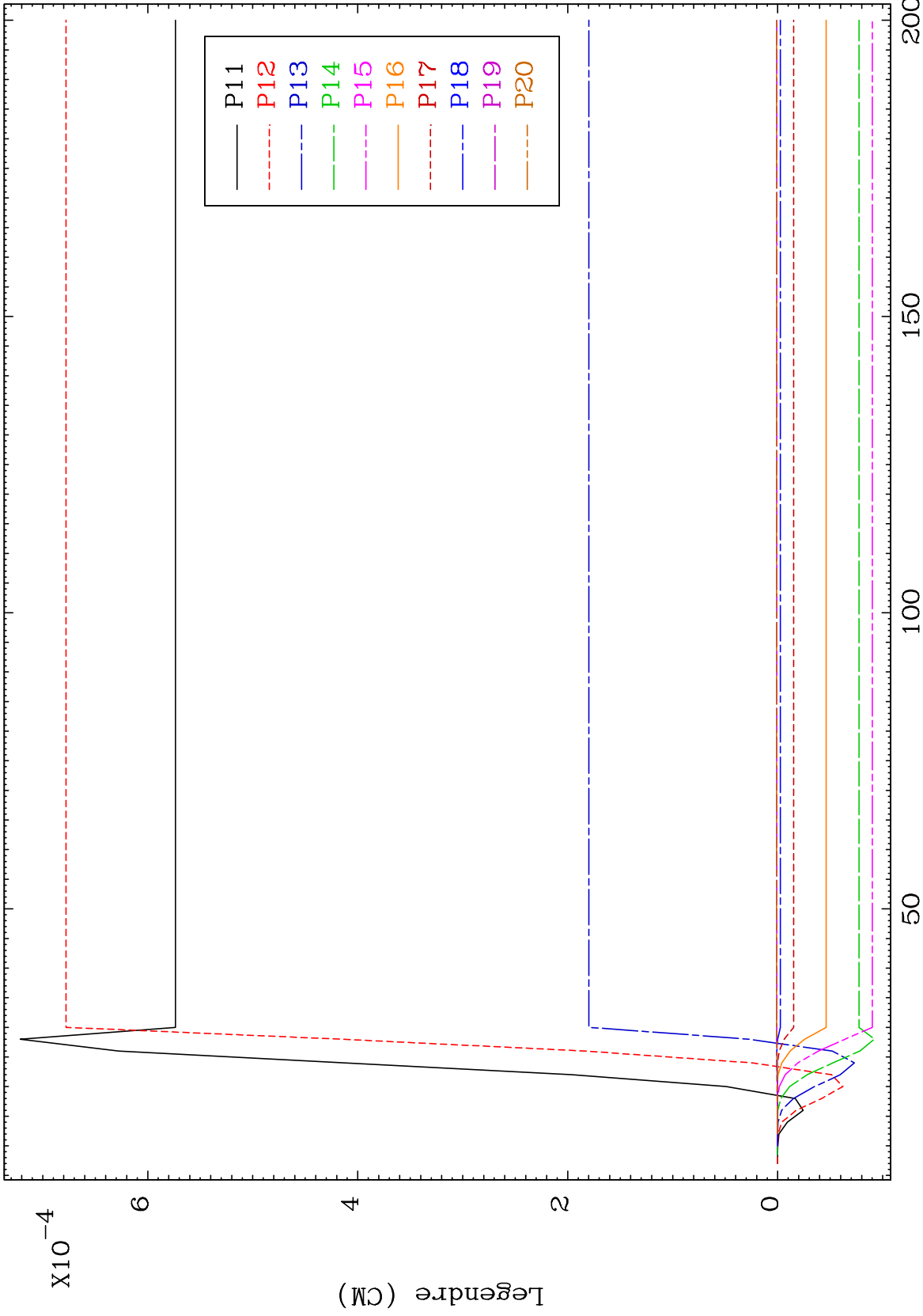
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



94

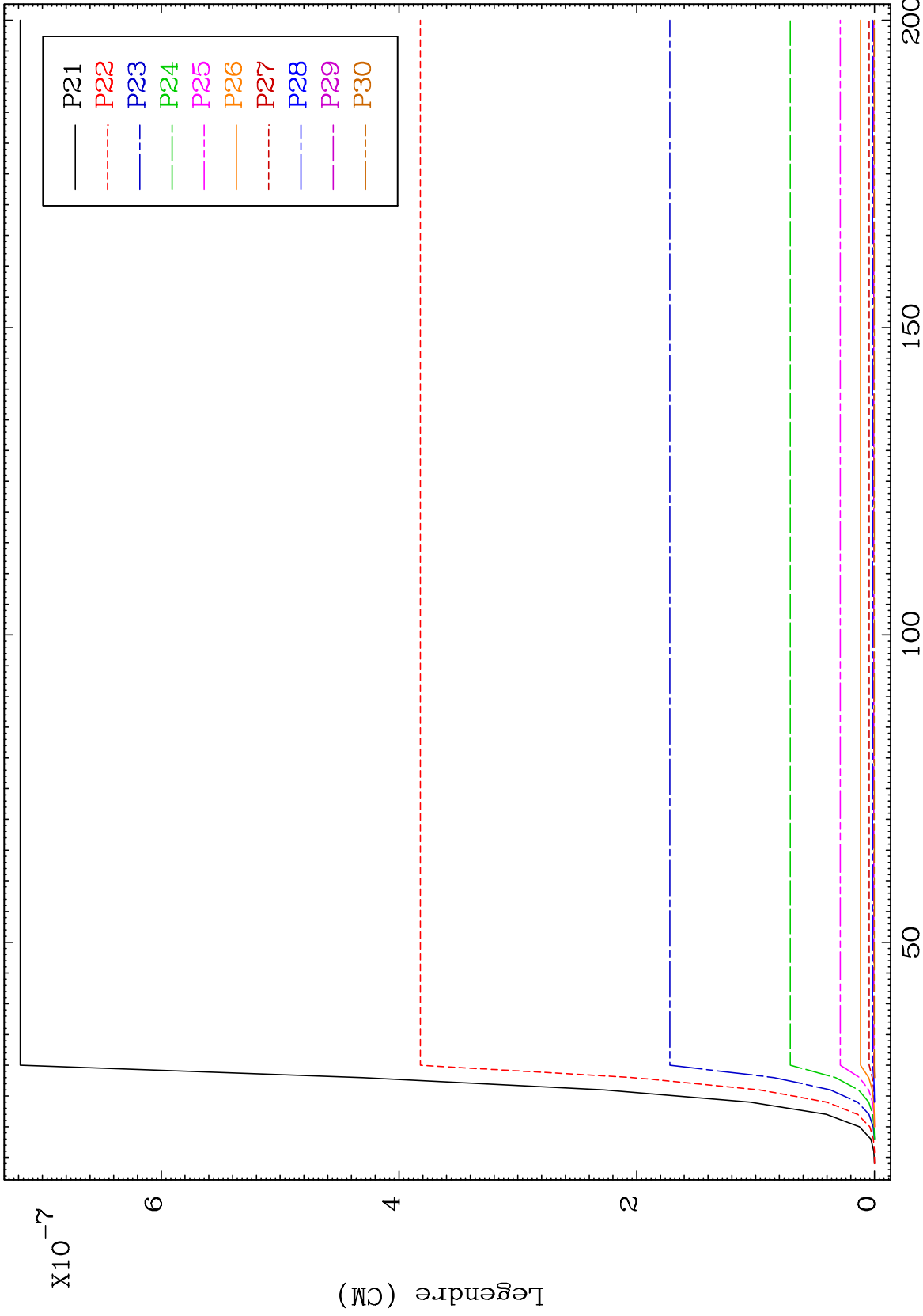
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



95

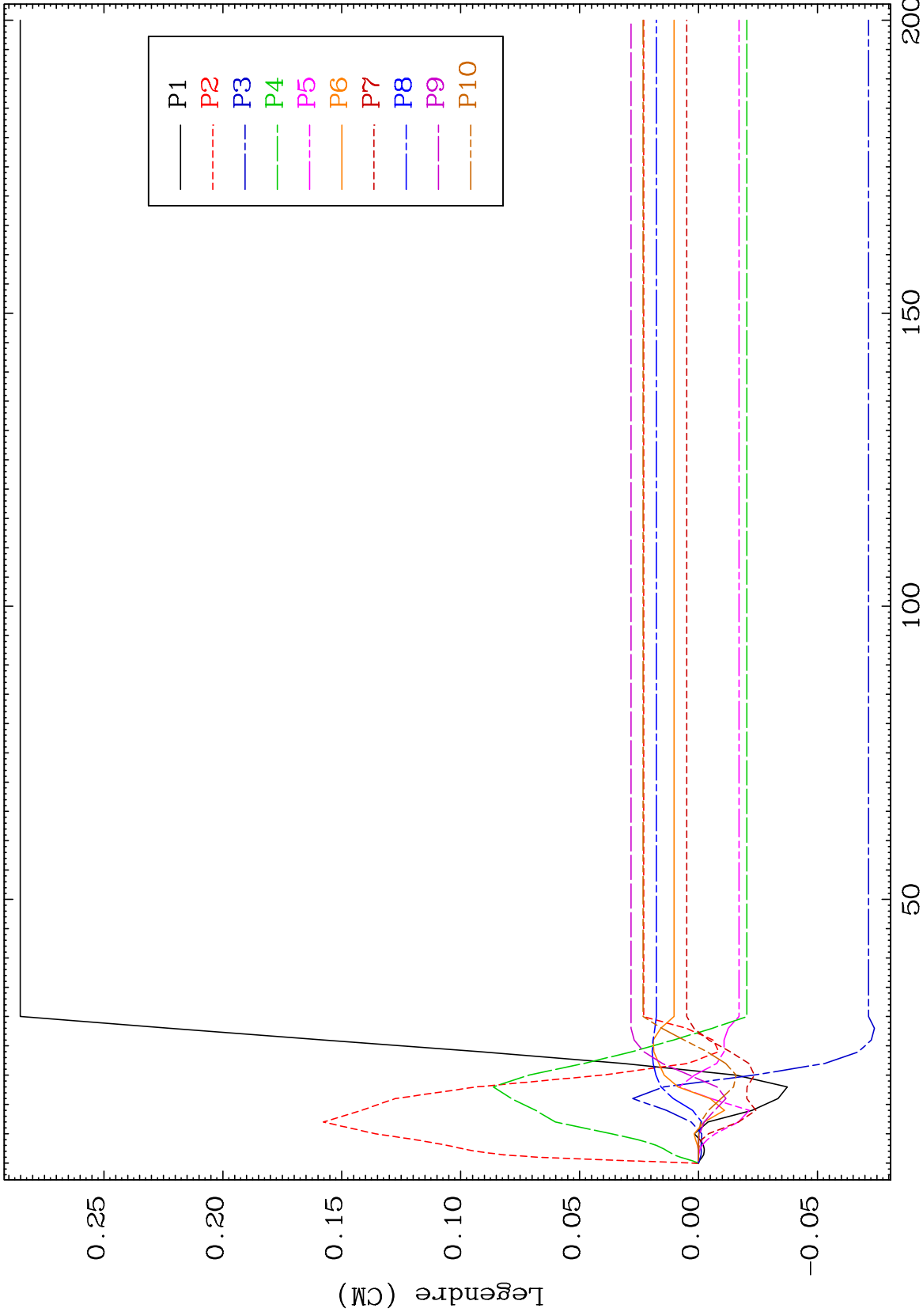
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

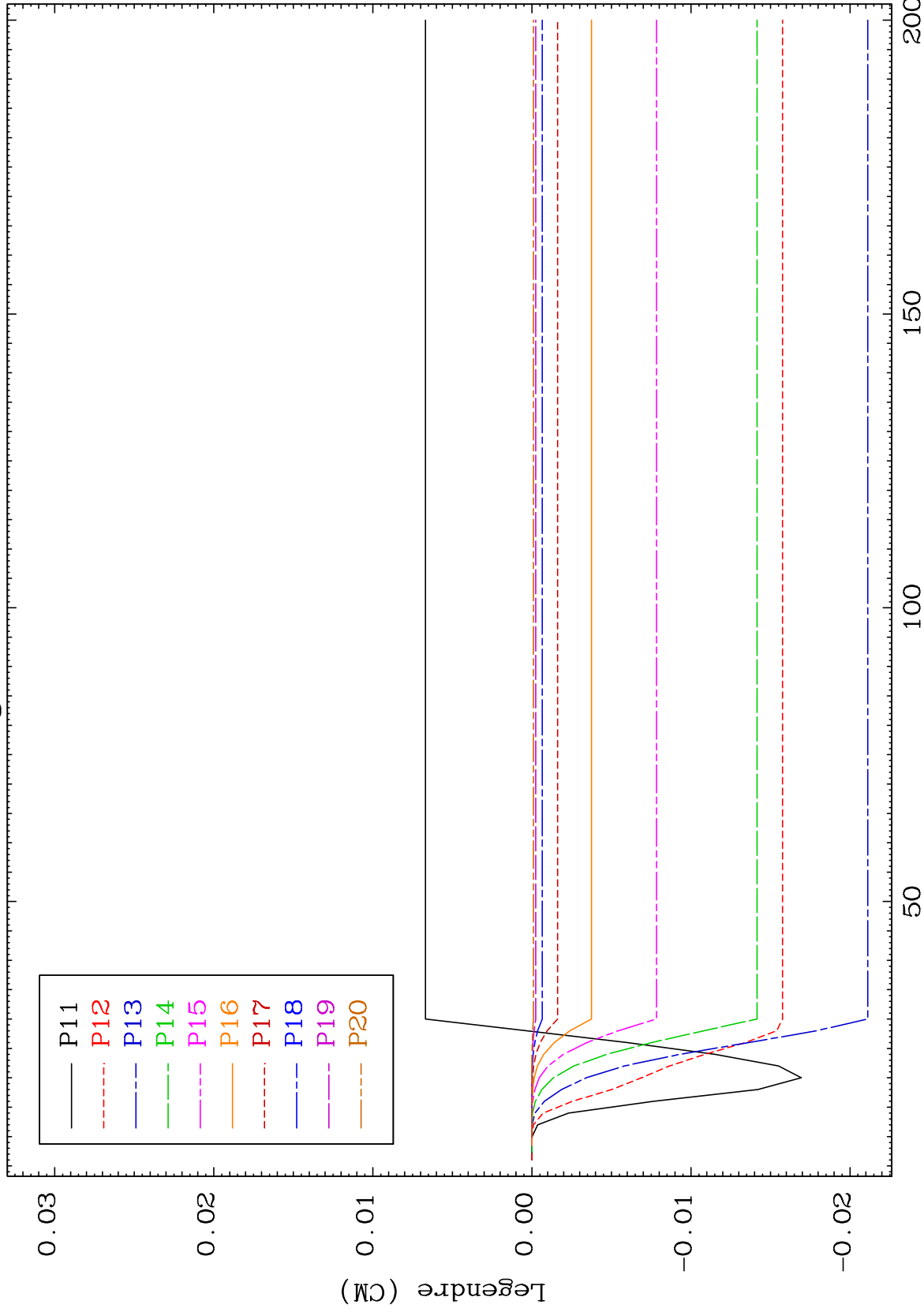
24-Cr-52



96

Incident Energy (MeV)

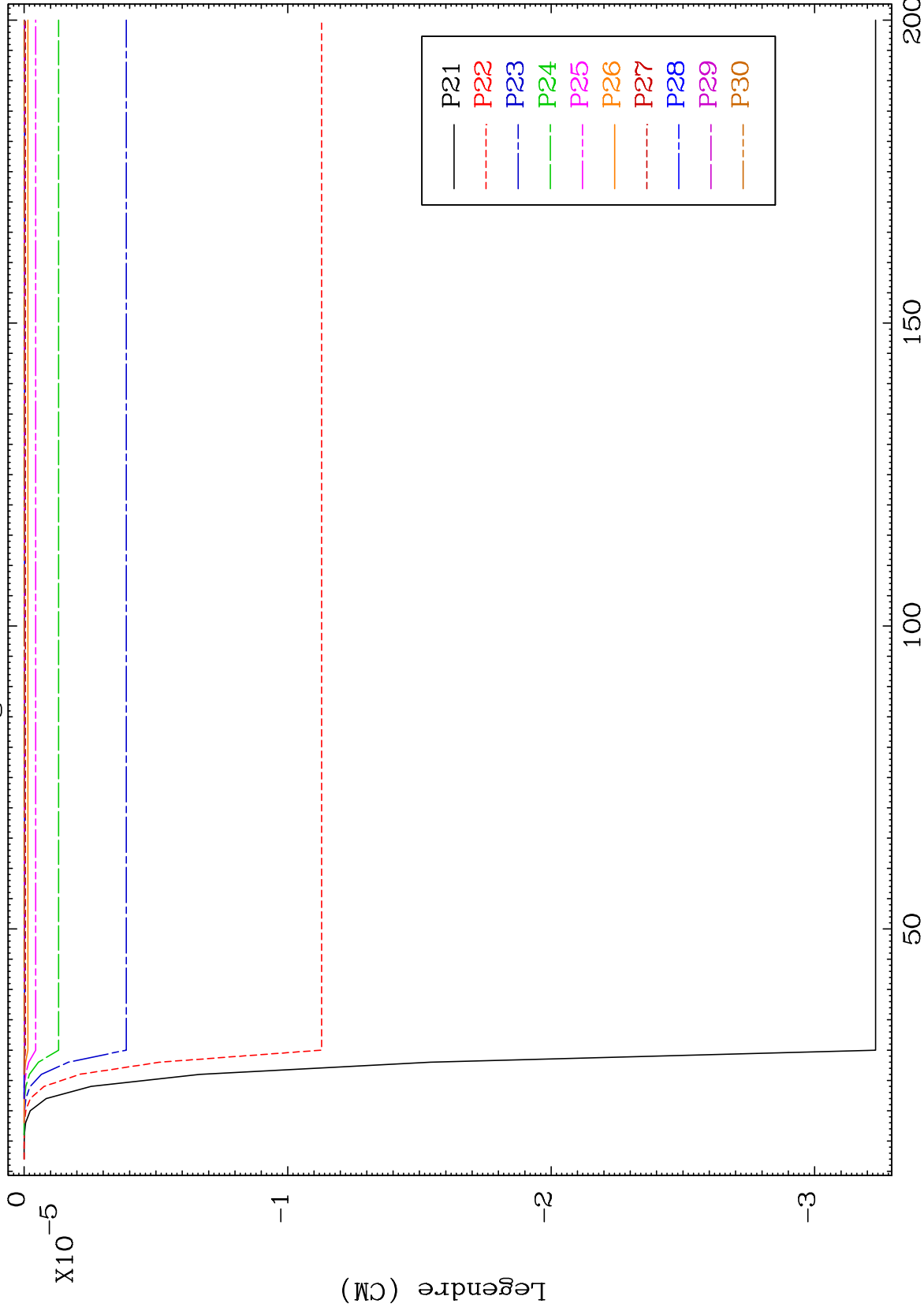
24-Cr-52



MAT 2431

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

24-Cr-52



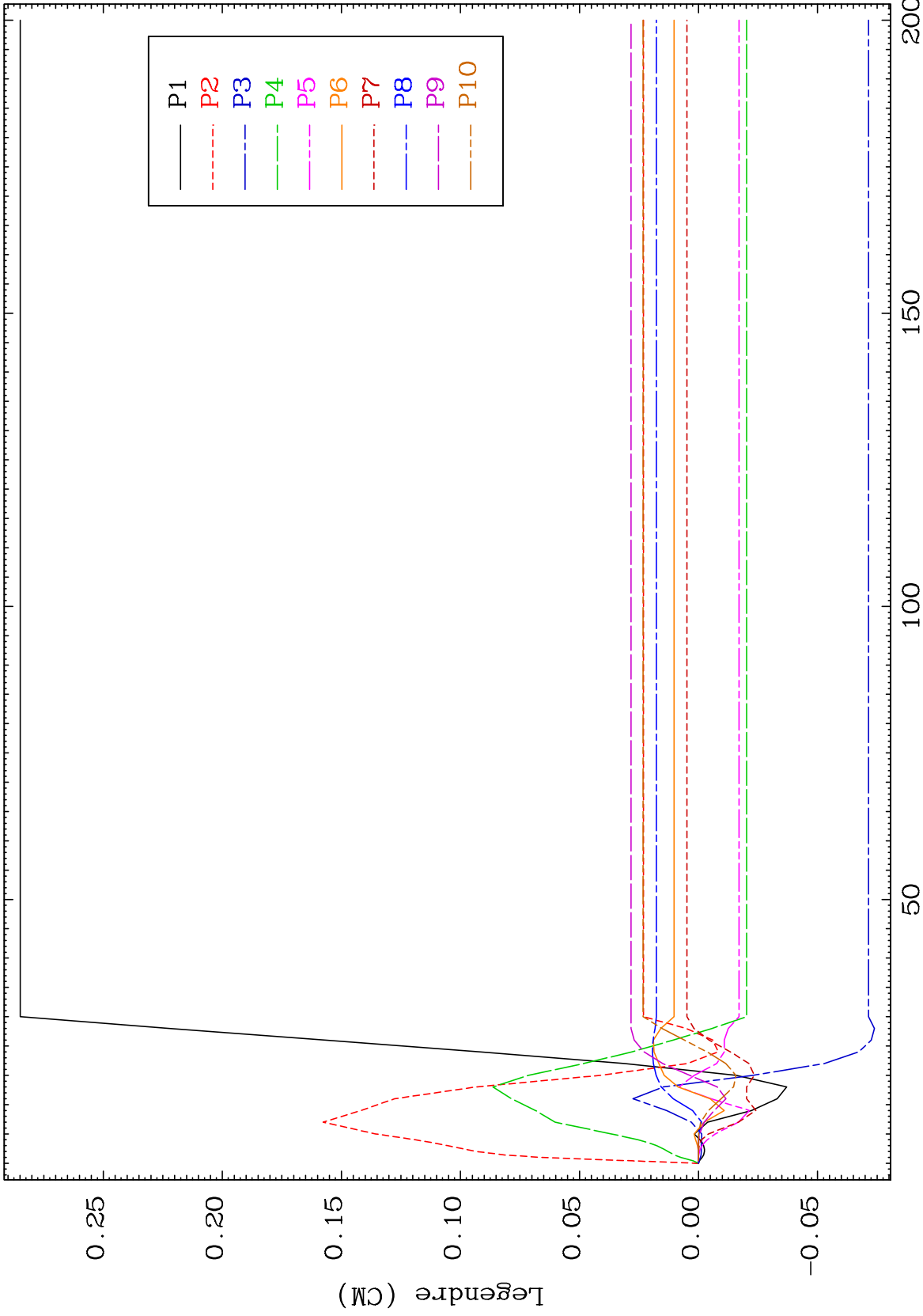
98

24-Cr-52

MAT 2431

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

24-Cr-52



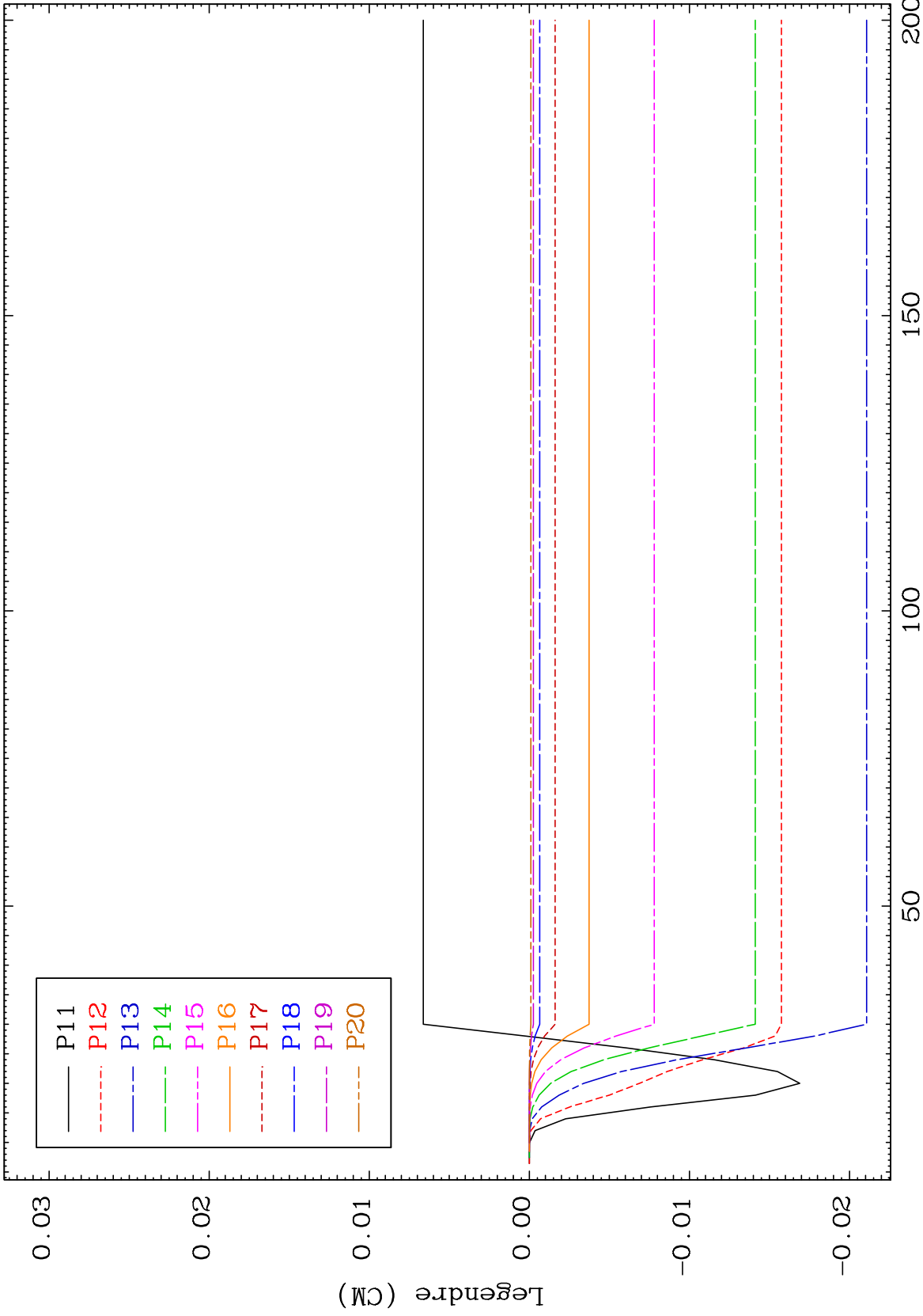
99

24-Cr-52

MAT 2431

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

24-Cr-52



100

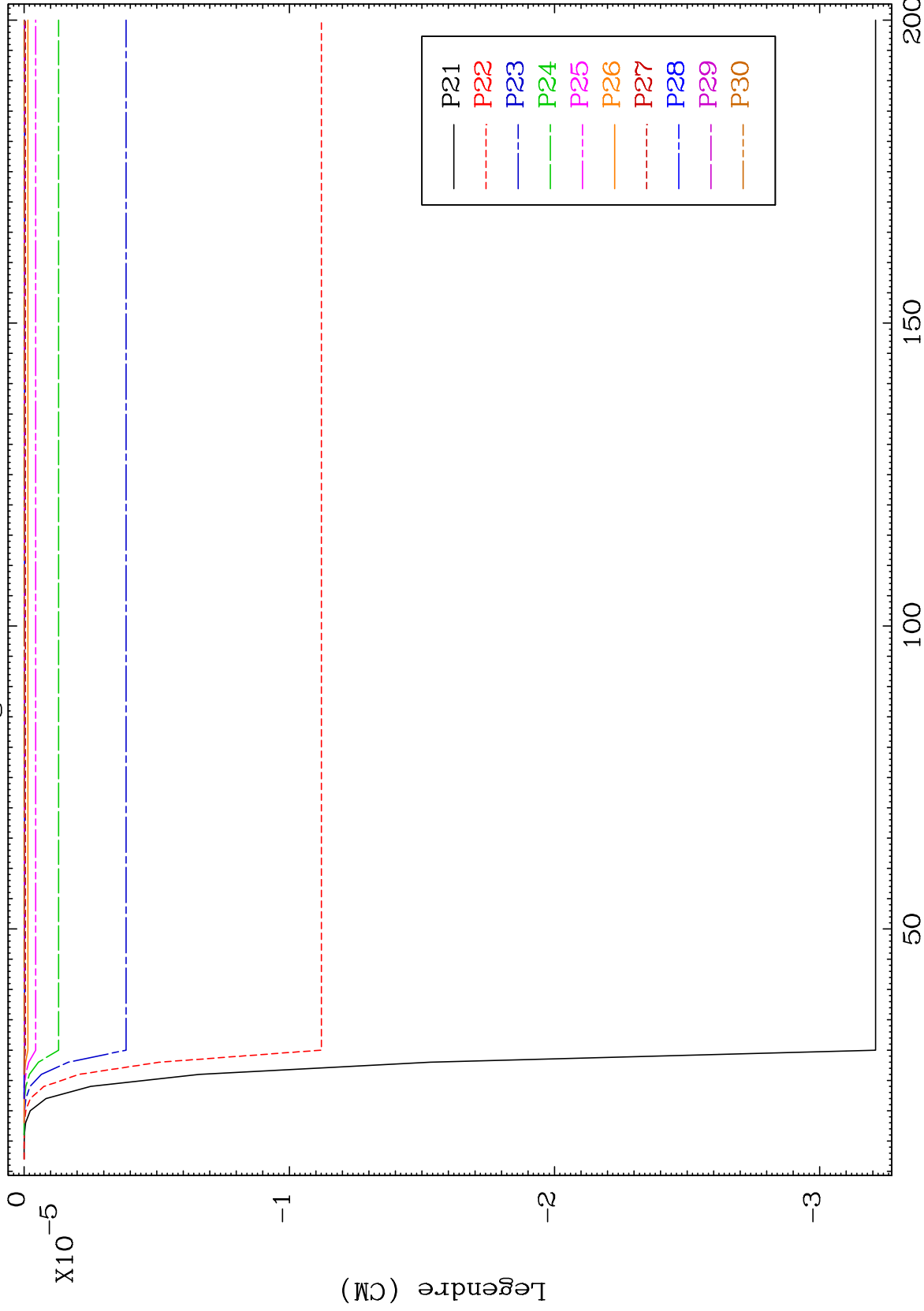
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



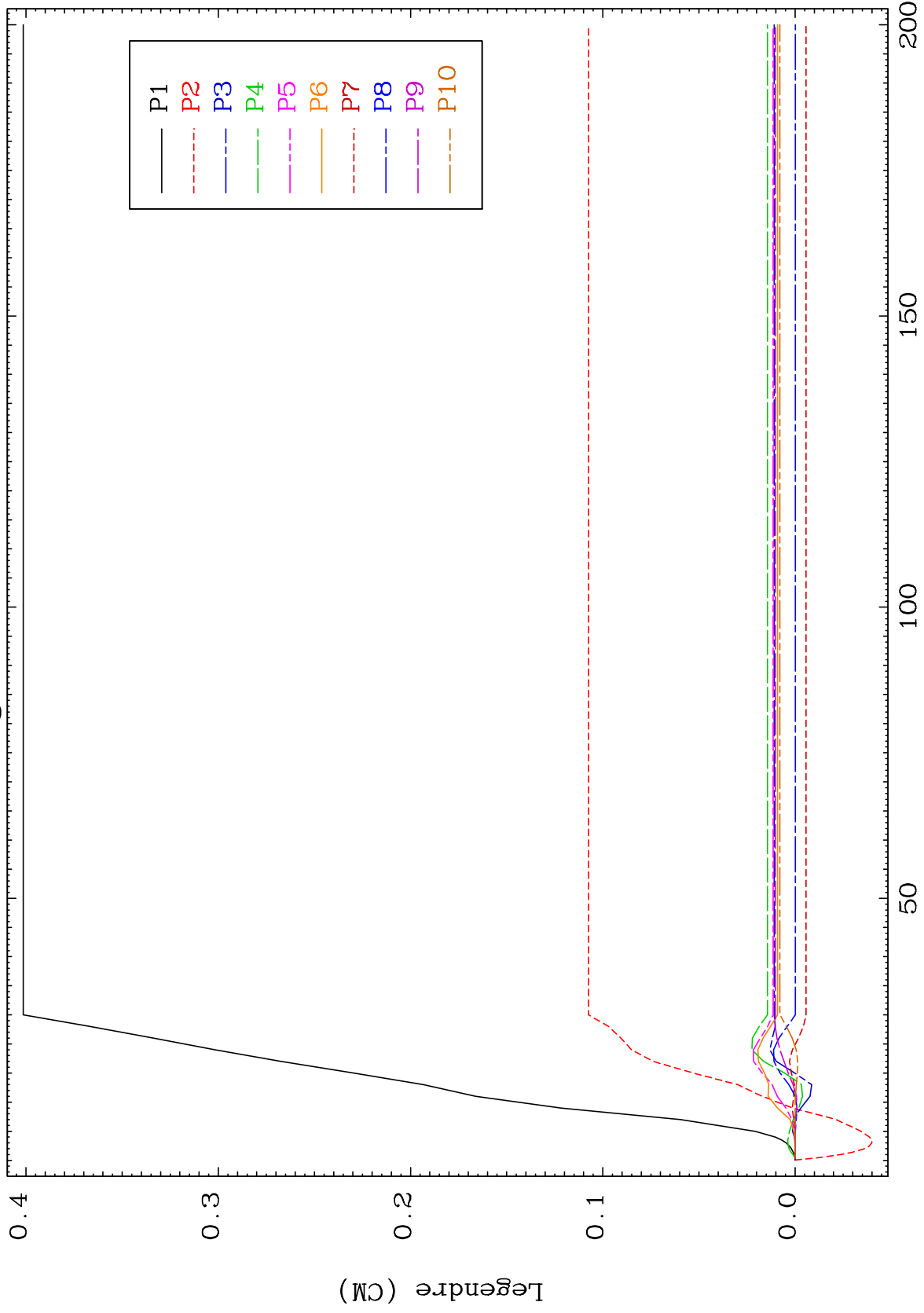
24-Cr-52

101

MAT 2431

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

24-Cr-52



102

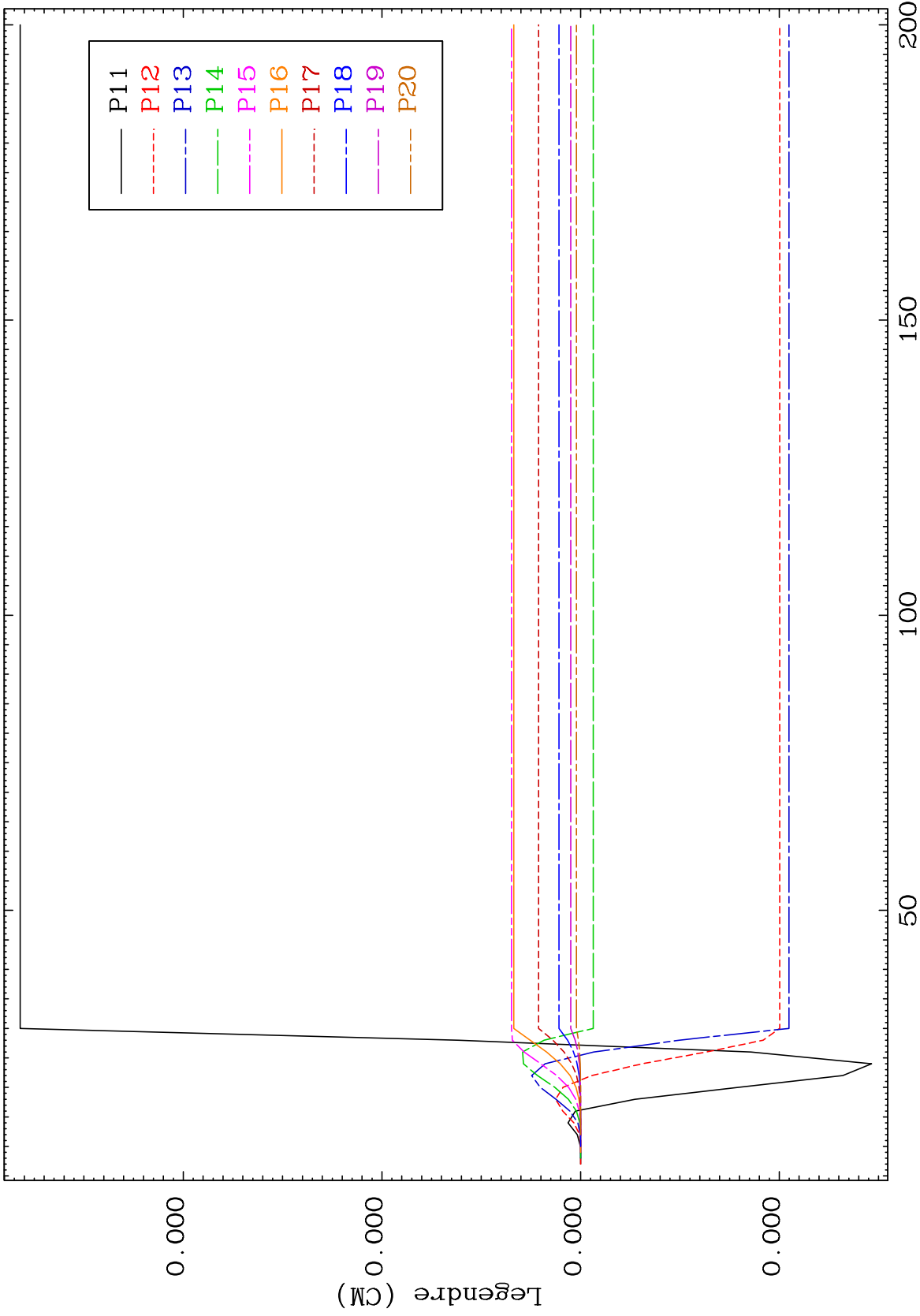
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



103

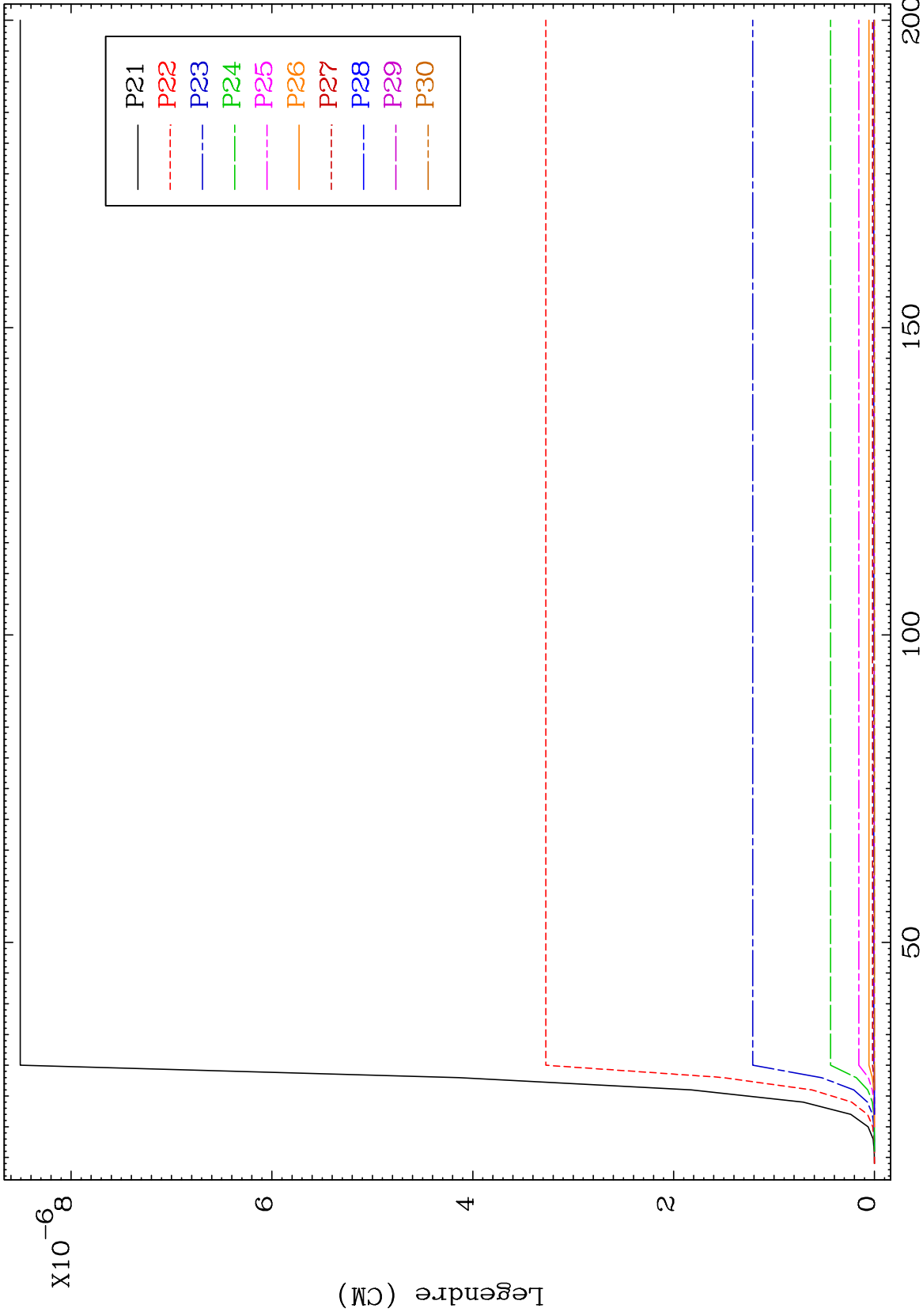
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



104

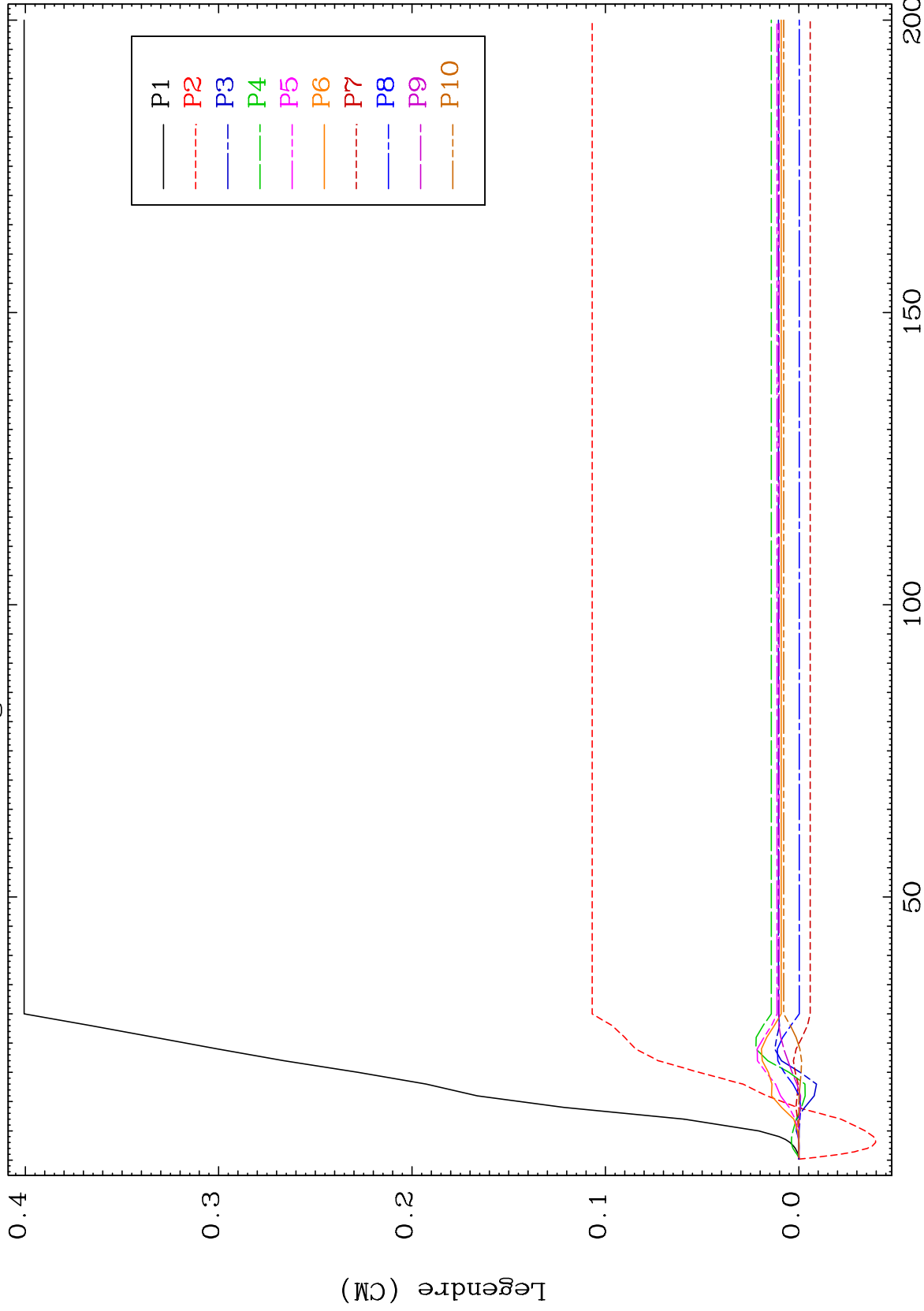
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



105

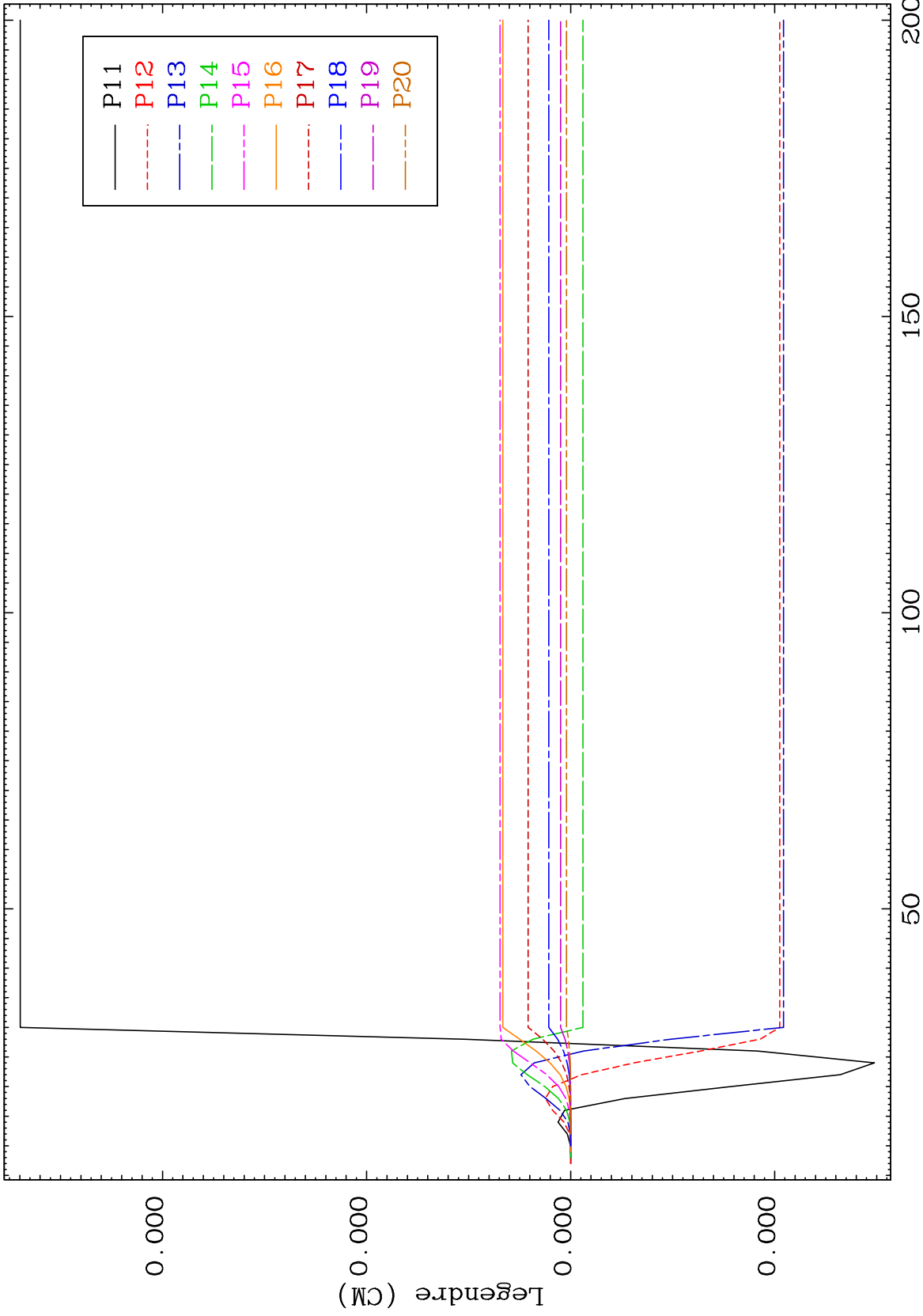
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



106

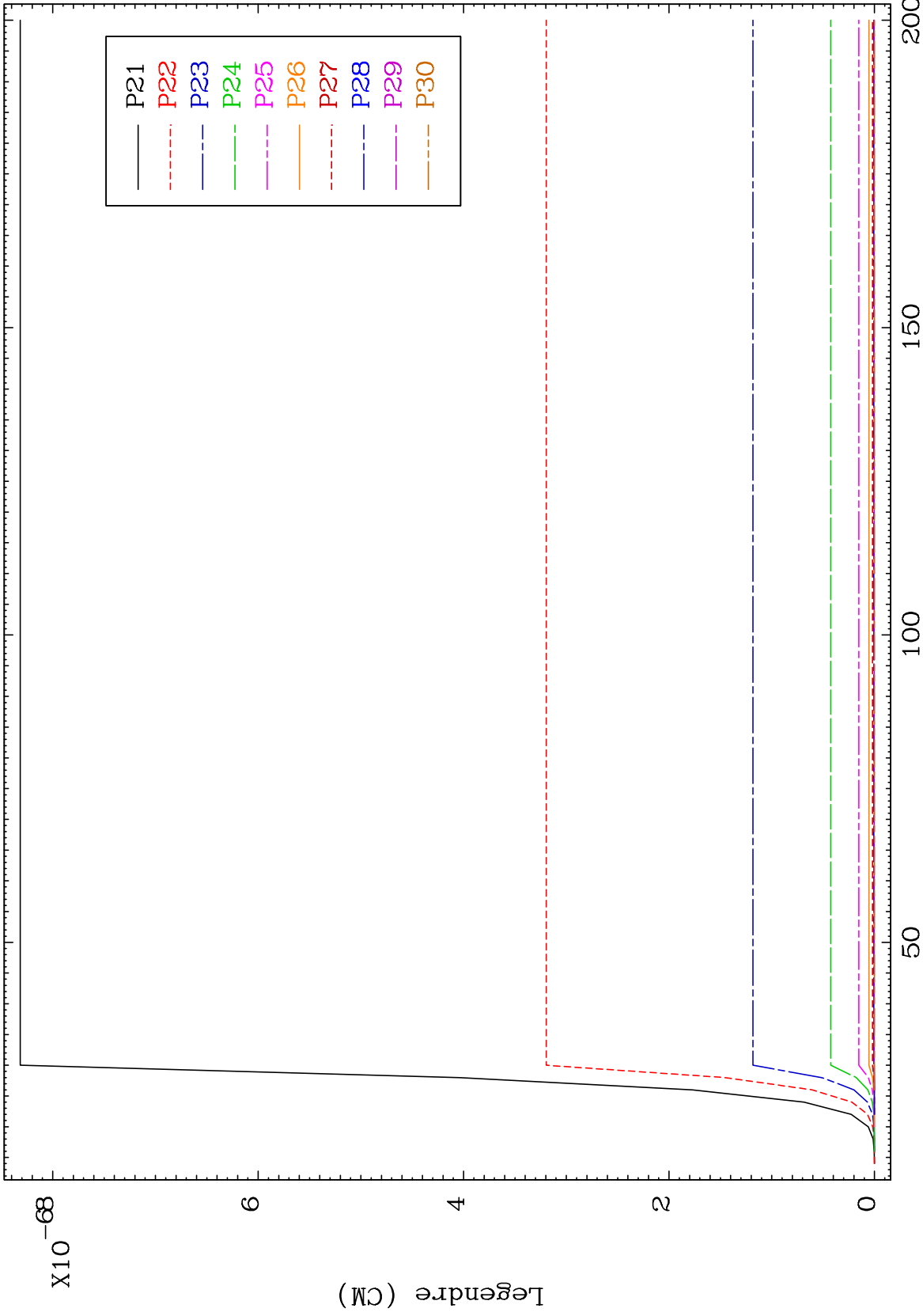
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52



107

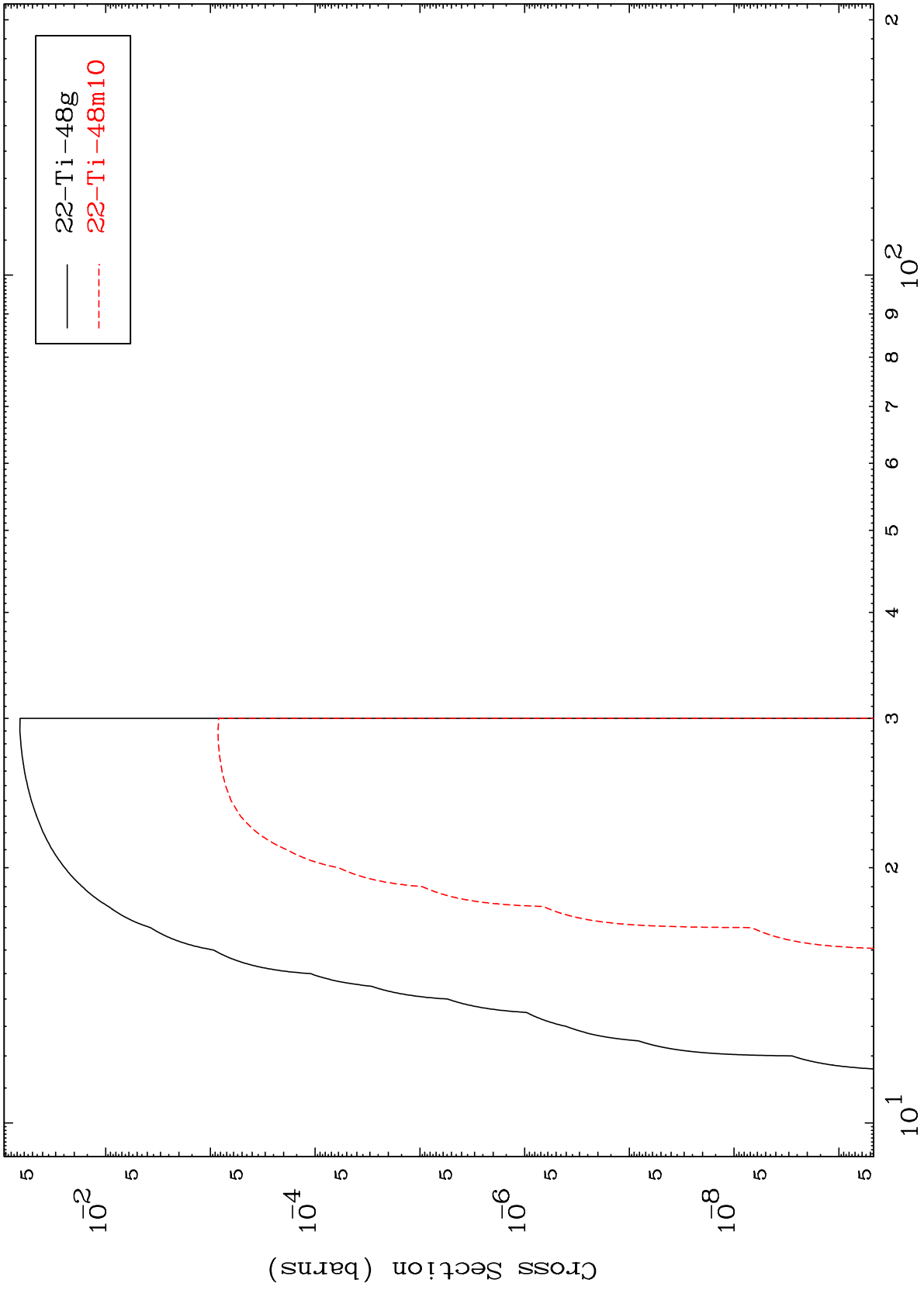
24-Cr-52

MAT 2431

(n,n') α

24-Cr-52

Radionuclide Production Cross Section



24-Cr-52

Incident Energy (MeV)

108