

Program EVALPLOT
(Version 2018-1)

by

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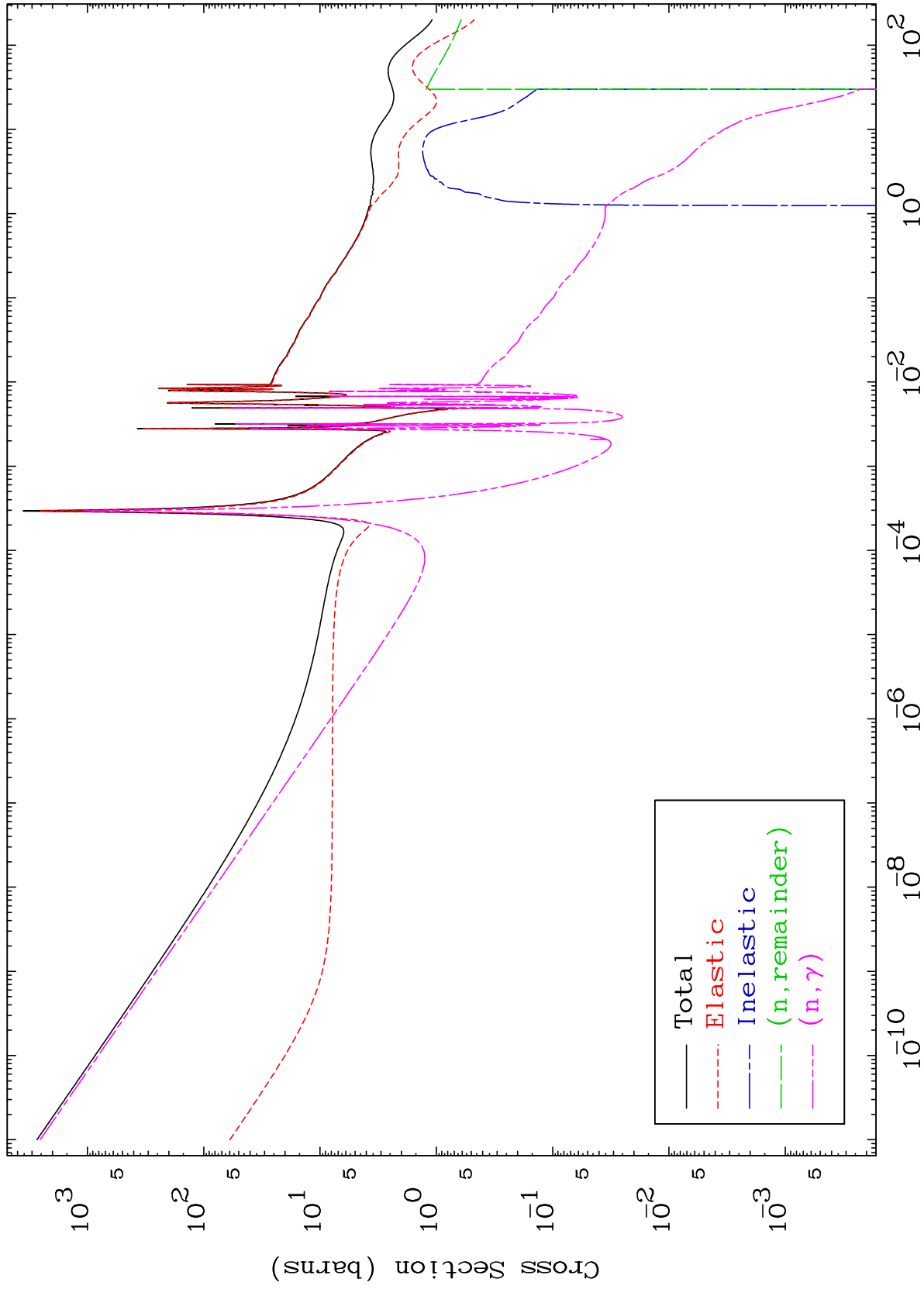
Press Mouse Button to Start

MAT 2719

Major

293 Kelvin Cross Sections

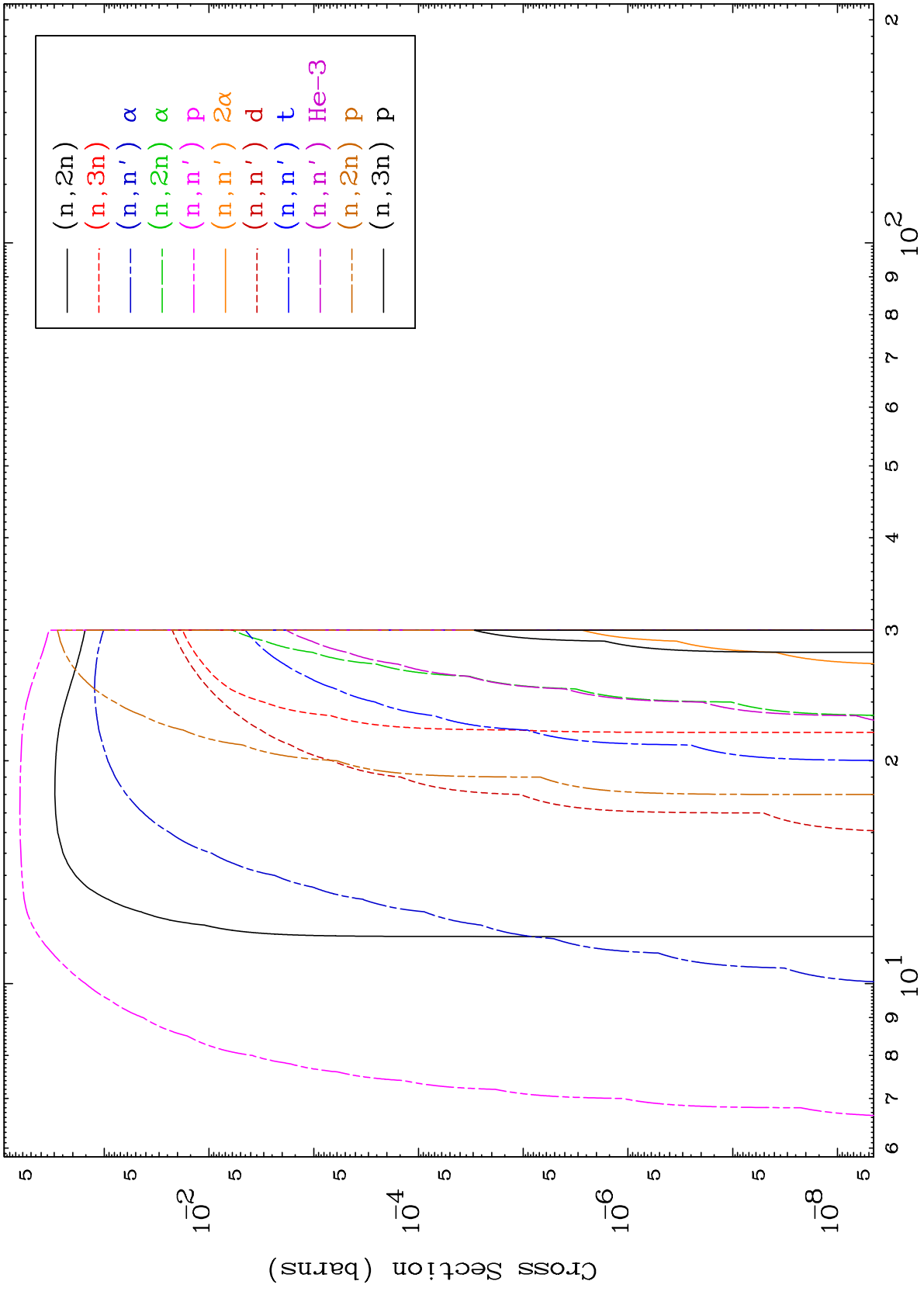
27-Co-57



MAT 2719

Neutron Production 293 Kelvin Cross Sections

27-Co-57



2

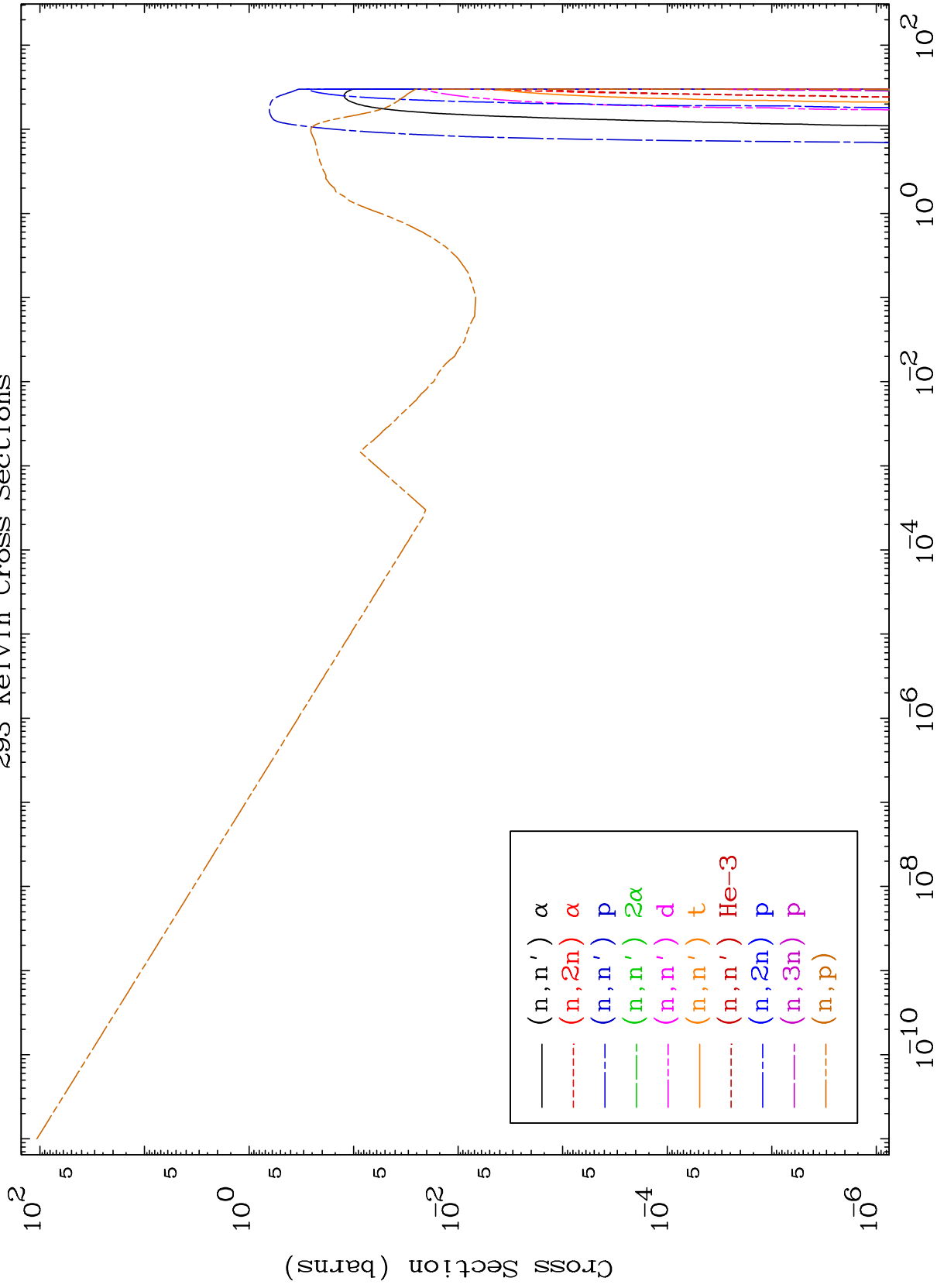
Incident Energy (MeV)

27-Co-57

MAT 2719

Charged Particle
293 Kelvin Cross Sections

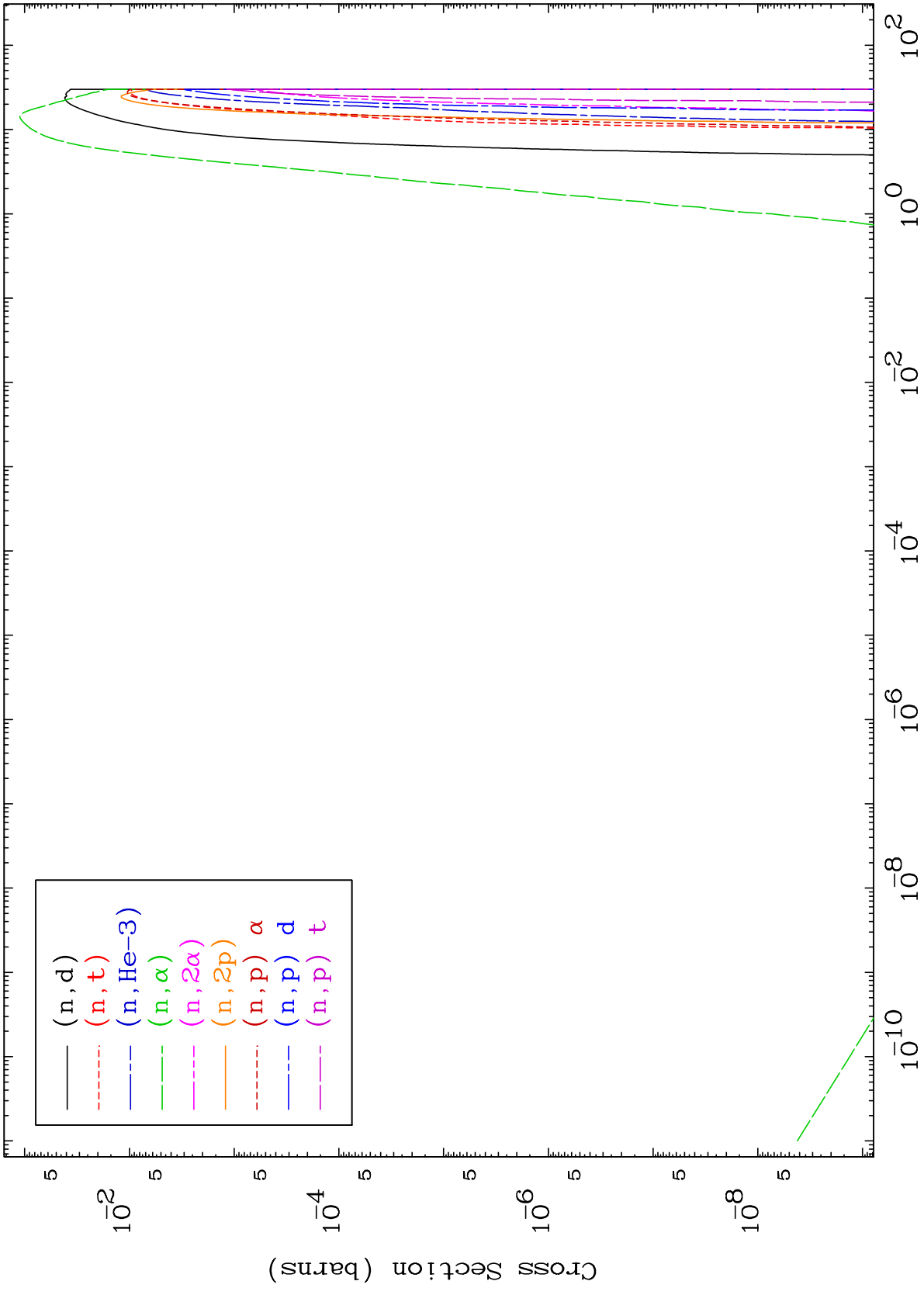
27-Co-57



MAT 2719

Charged Particle
293 Kelvin Cross Sections

27-Co-57



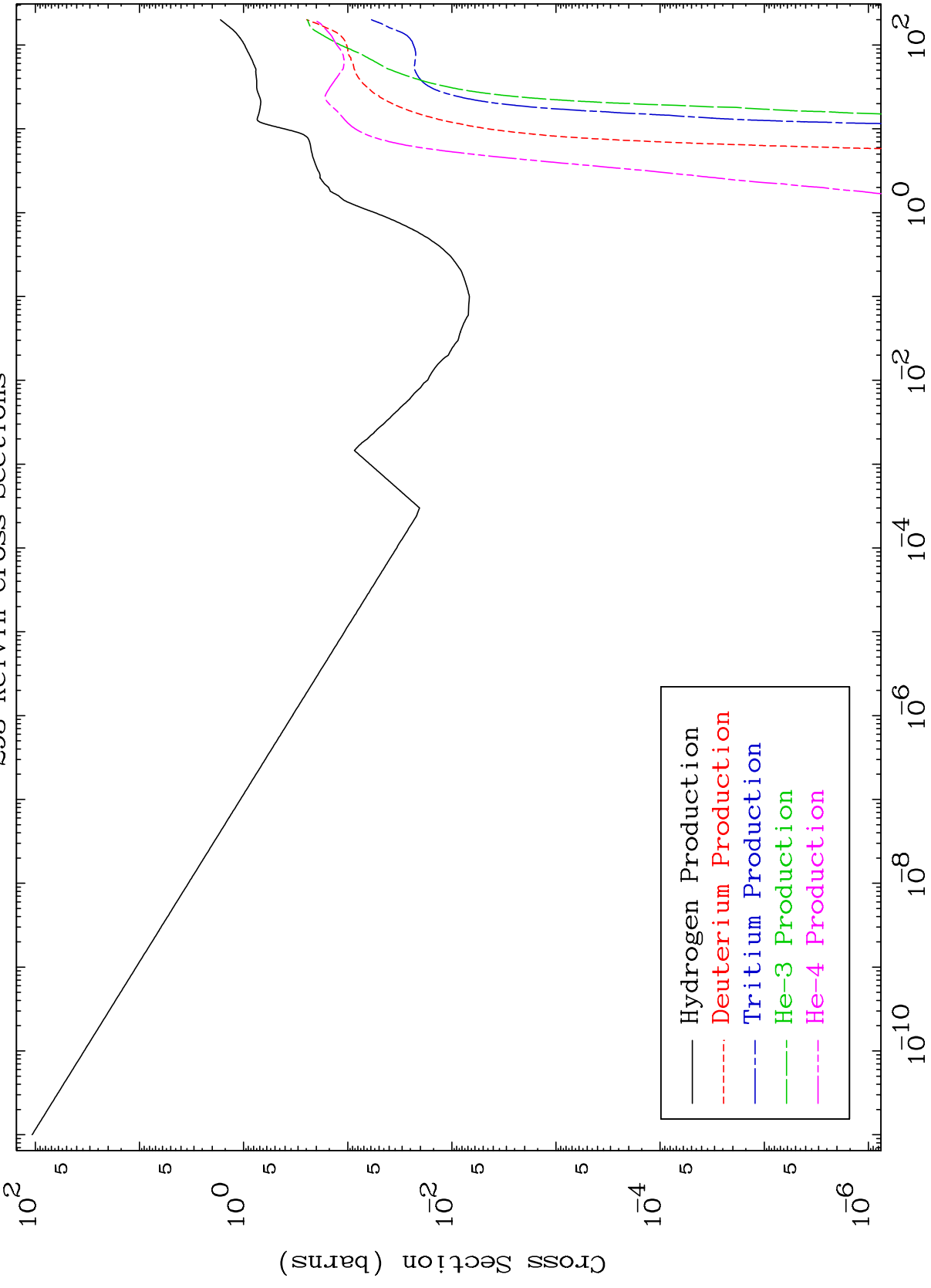
27-Co-57

Incident Energy (MeV)

MAT 2719

Particle Production
293 Kelvin Cross Sections

27-Co-57

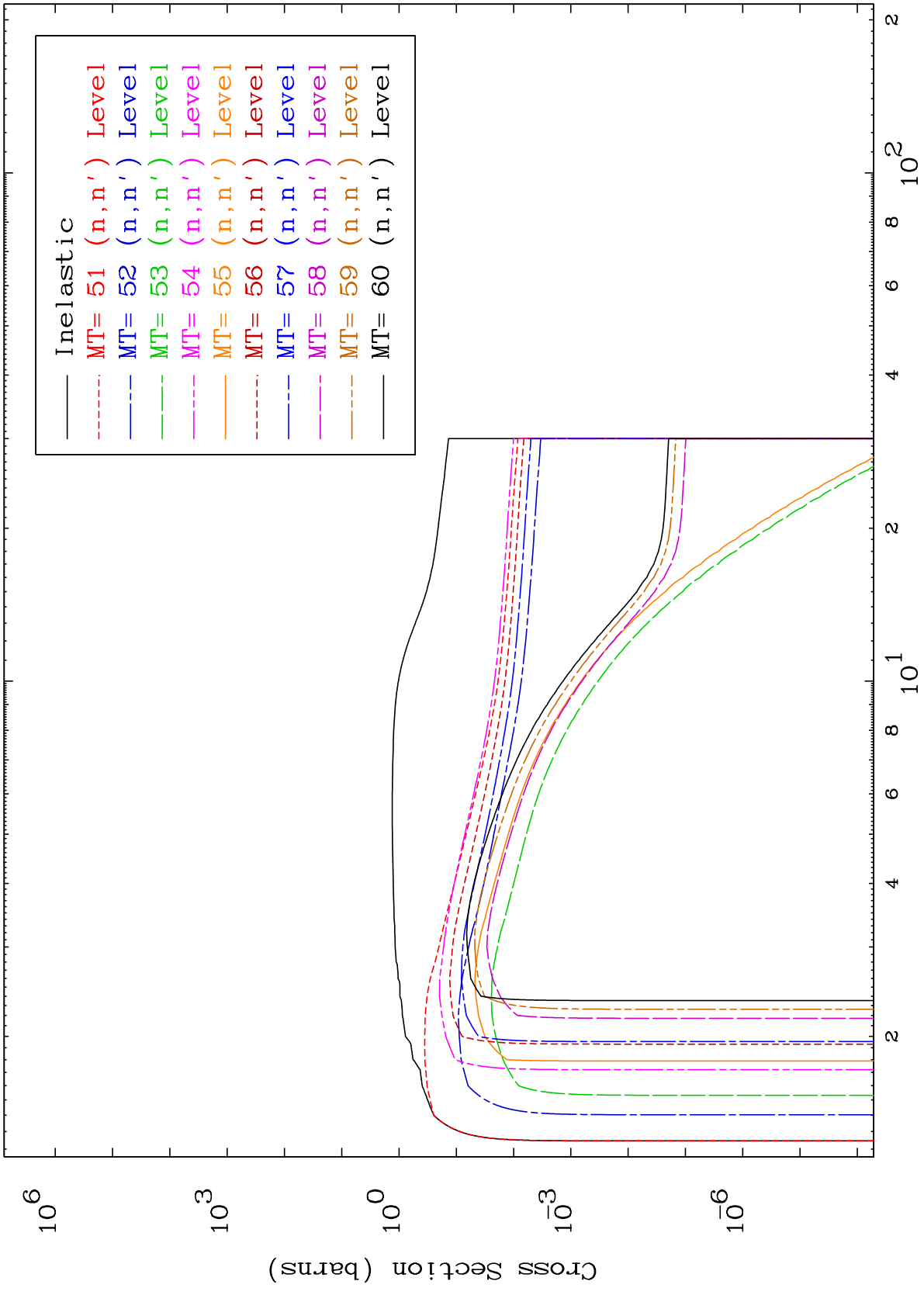


MAT 2719

(n,n') Level

27-Co-57

293 Kelvin Cross Sections



6

Incident Energy (MeV)

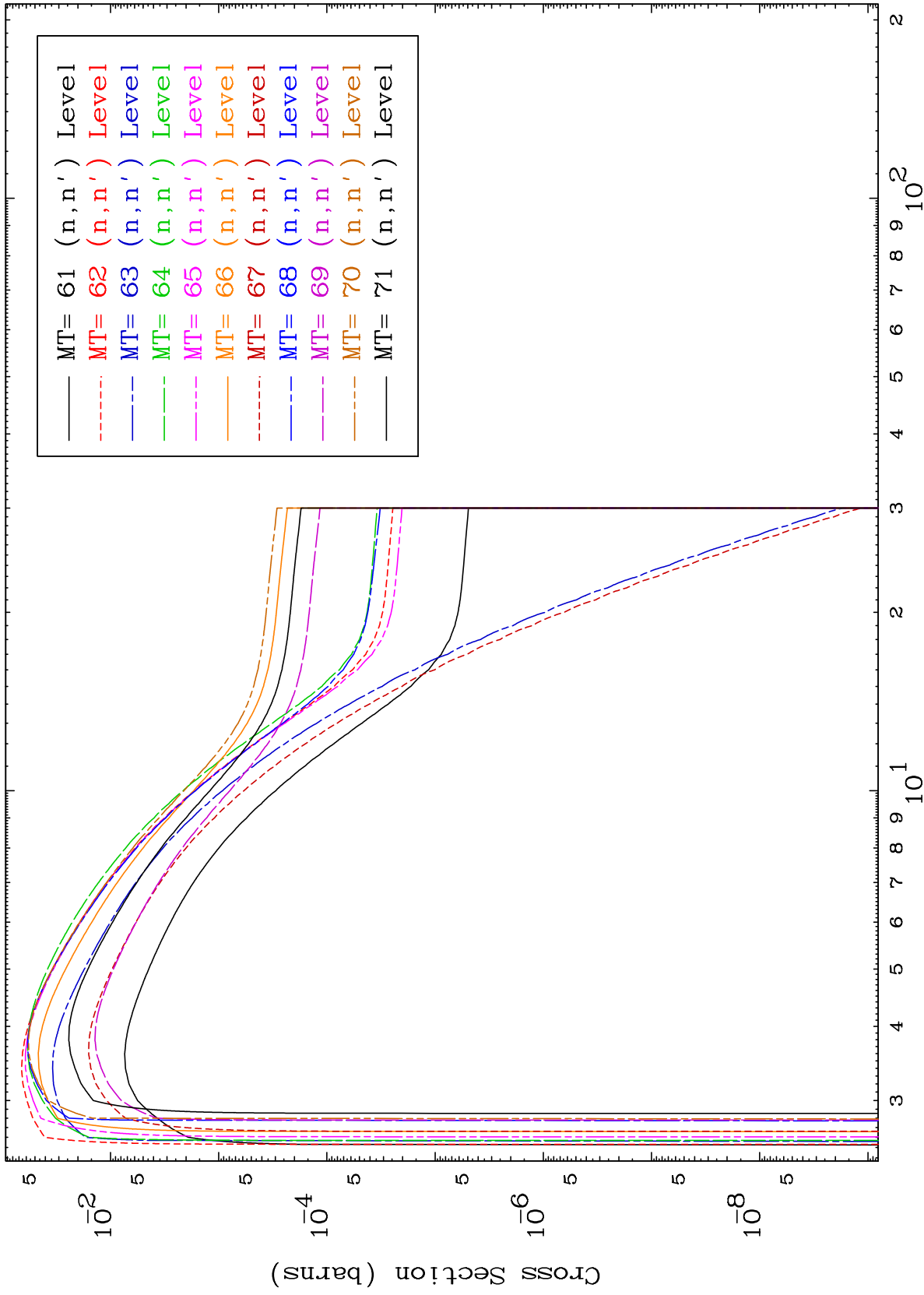
27-Co-57

MAT 2719

(n,n') Level

27-Co-57

293 Kelvin Cross Sections



7

Incident Energy (MeV)

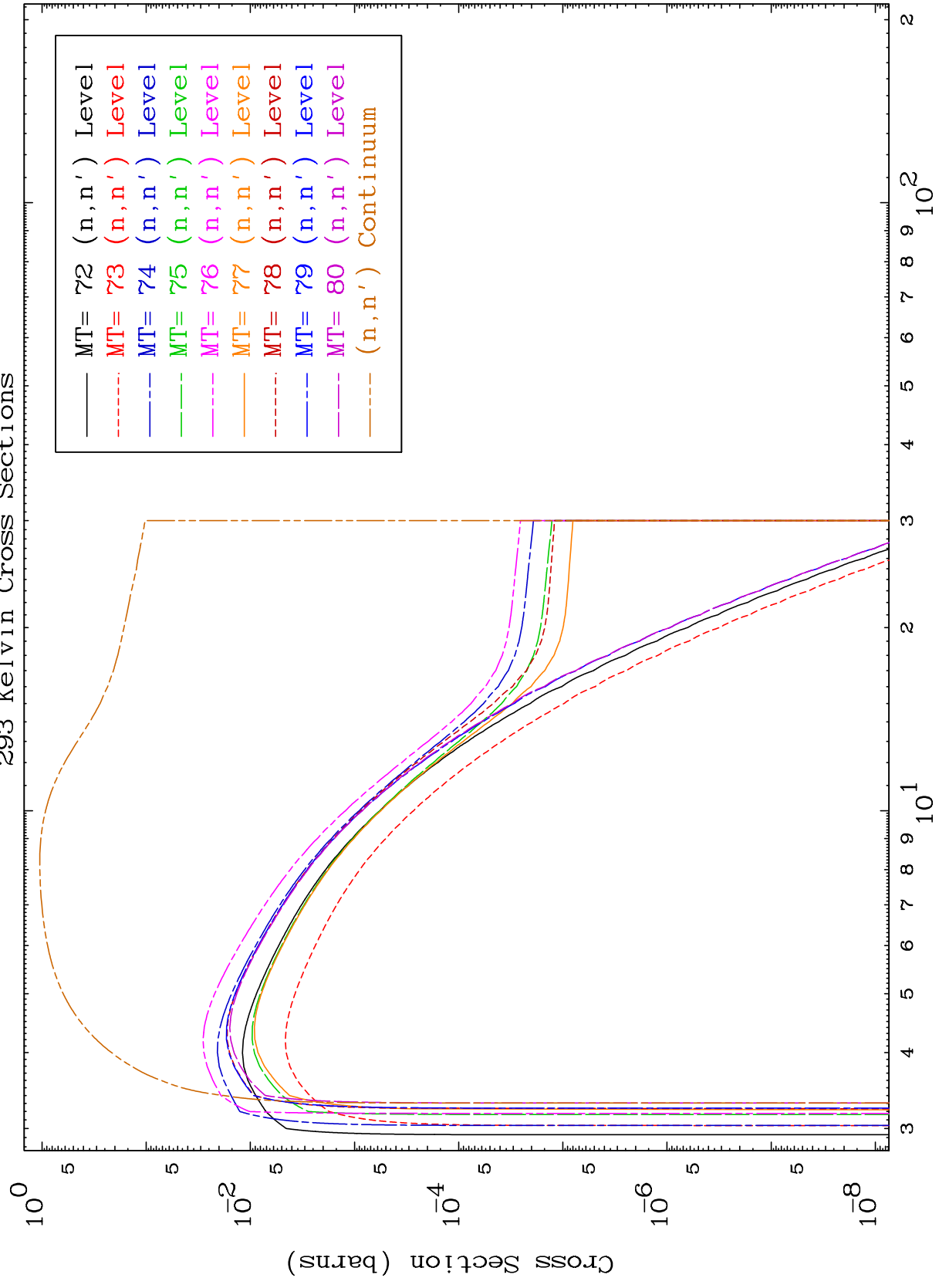
27-Co-57

MAT 2719

(n,n') Level

27-Co-57

293 Kelvin Cross Sections



8

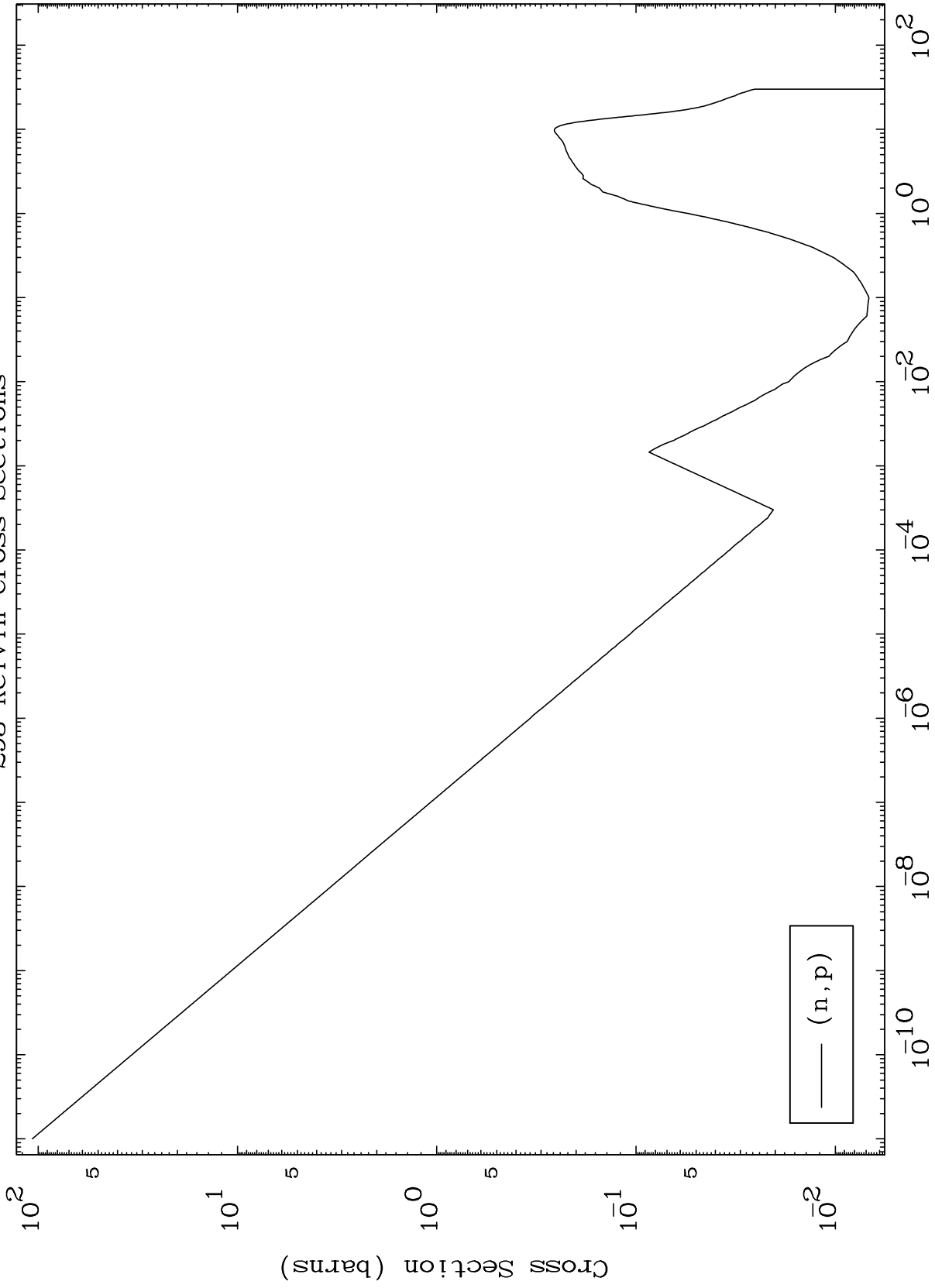
Incident Energy (MeV)

27-Co-57

MAT 2719

(n,p) Levels
293 Kelvin Cross Sections

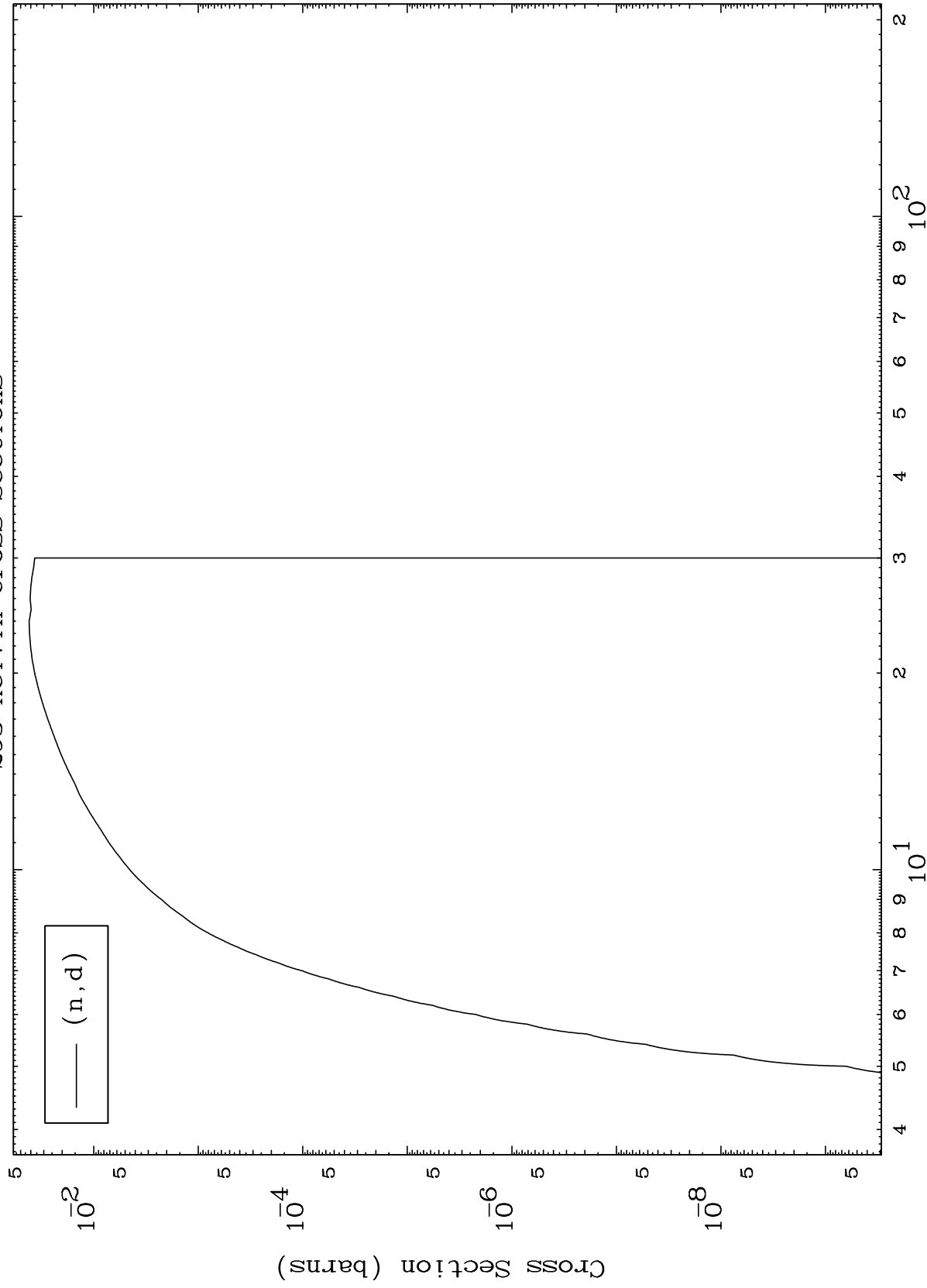
27-Co-57



MAT 2719

(n,d) Levels
293 Kelvin Cross Sections

27-Co-57



10

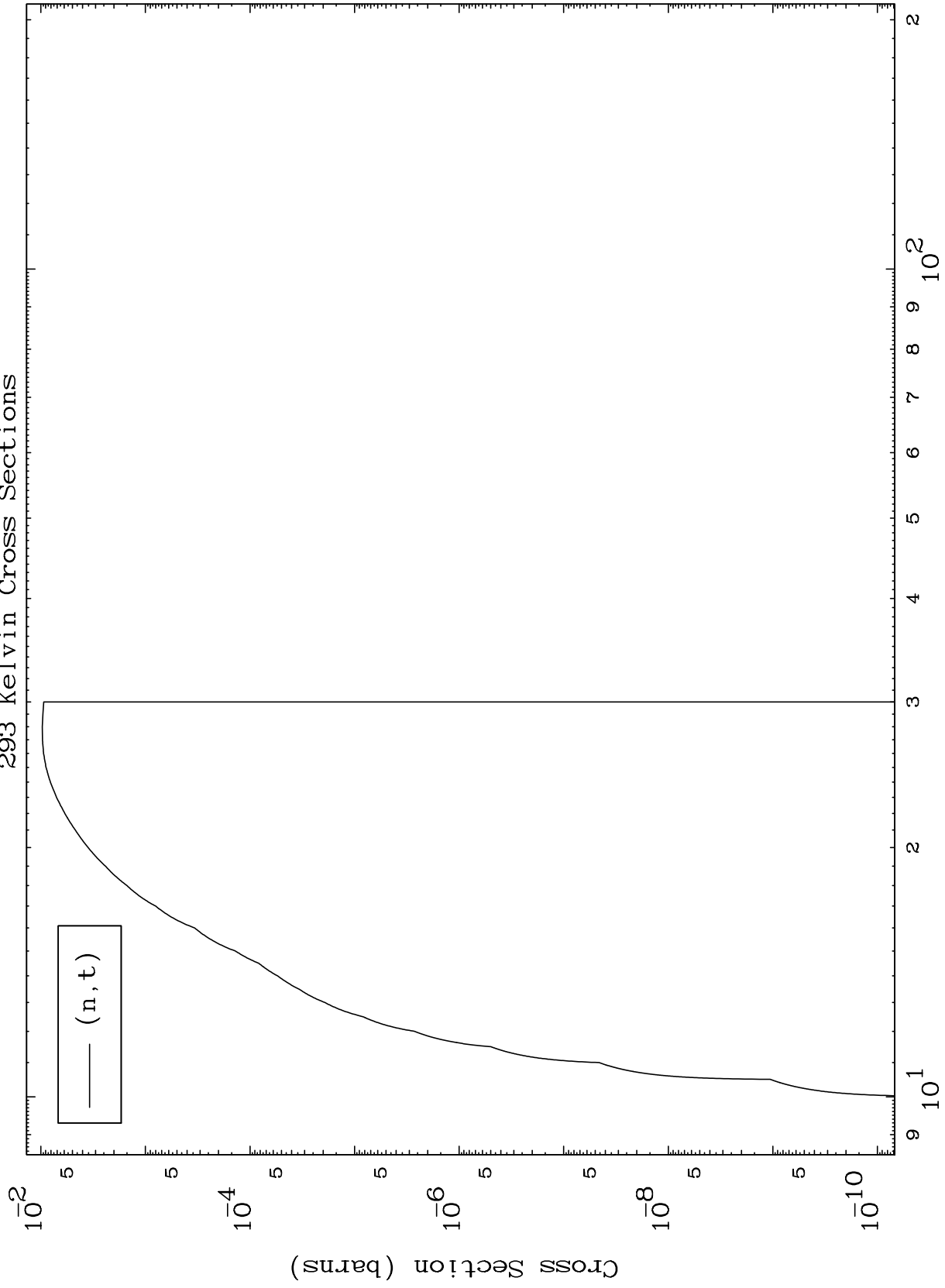
Incident Energy (MeV)

27-Co-57

MAT 2719

(n,t) Levels
293 Kelvin Cross Sections

27-Co-57



11

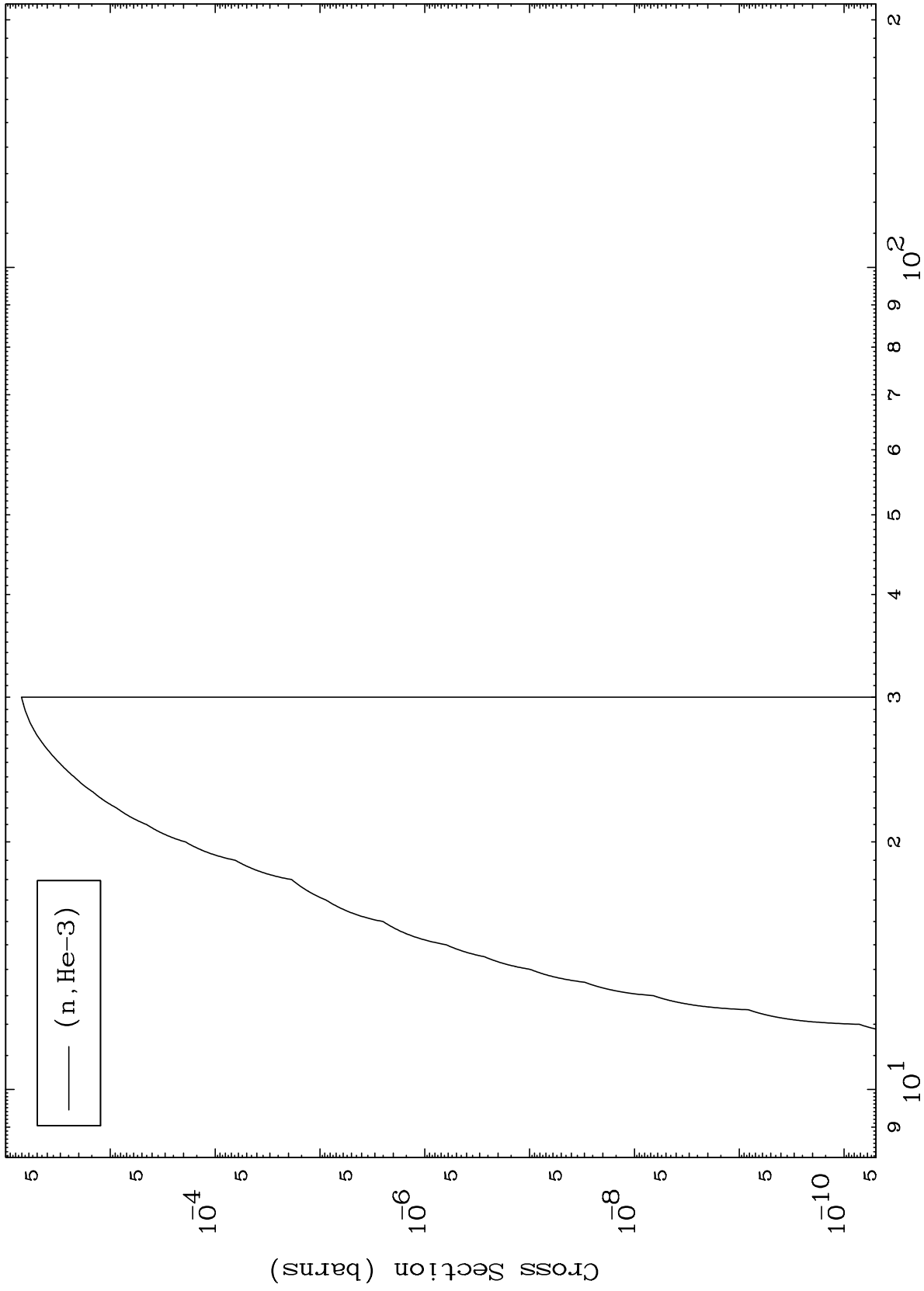
Incident Energy (MeV)

27-Co-57

MAT 2719

(n,He3) Levels
293 Kelvin Cross Sections

27-Co-57



12

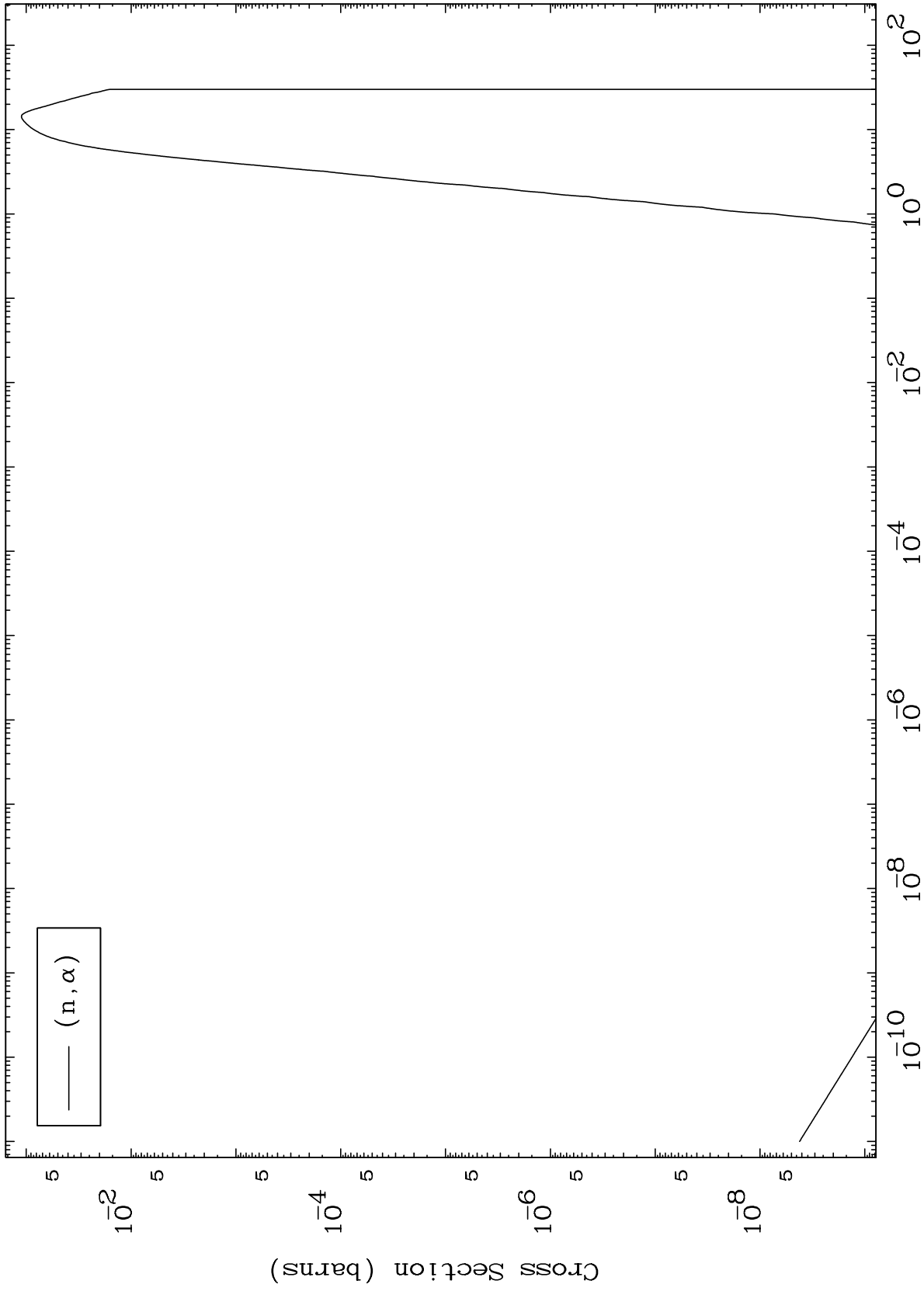
Incident Energy (MeV)

27-Co-57

MAT 2719

(n,α) Levels
293 Kelvin Cross Sections

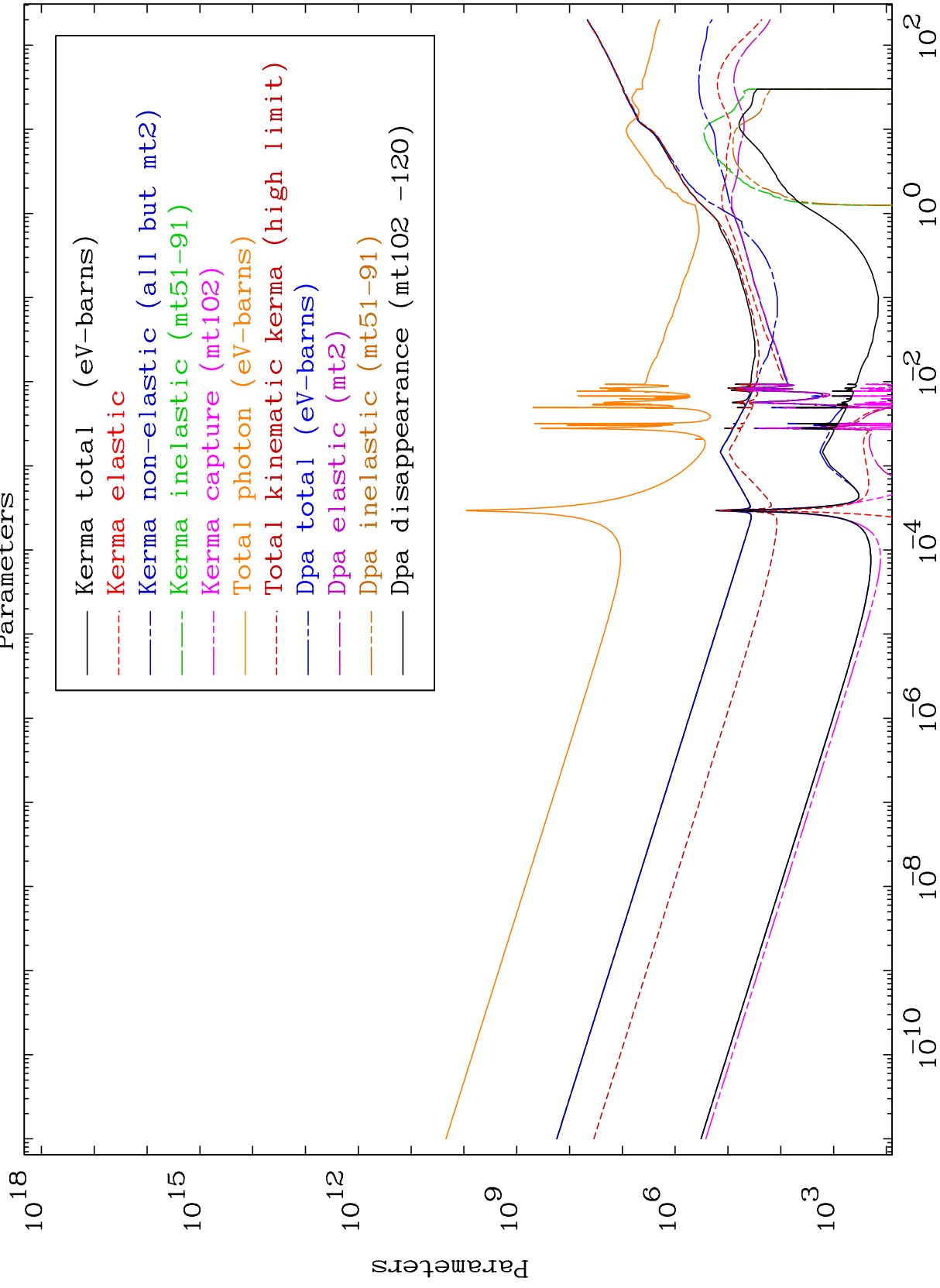
27-Co-57



13

Incident Energy (MeV)

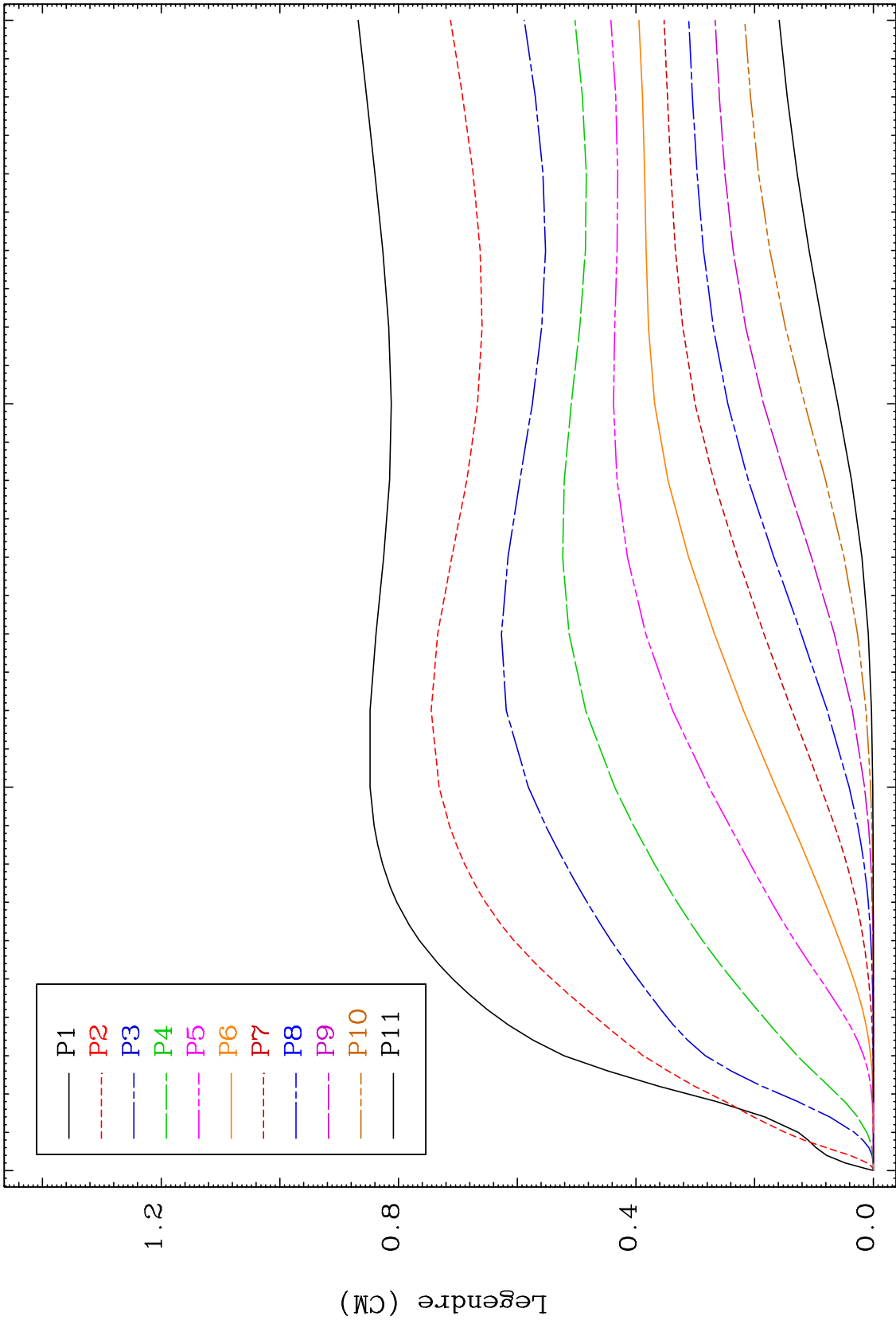
27-Co-57



MAT 2719

Elastic Legendre Coefficients

27-Co-57



15

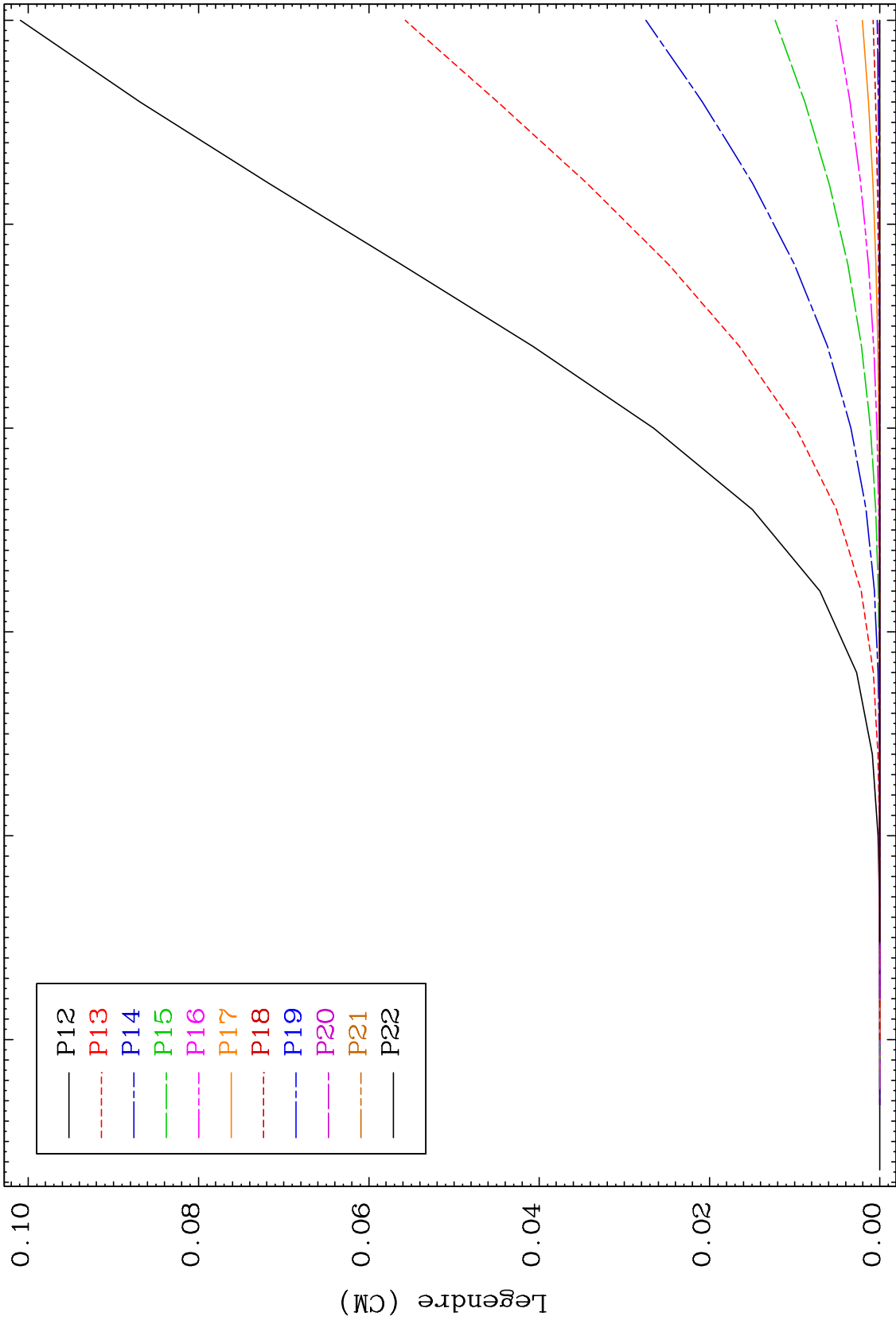
Incident Energy (MeV)

27-Co-57

MAT 2719

Elastic Legendre Coefficients

²⁷Co-57



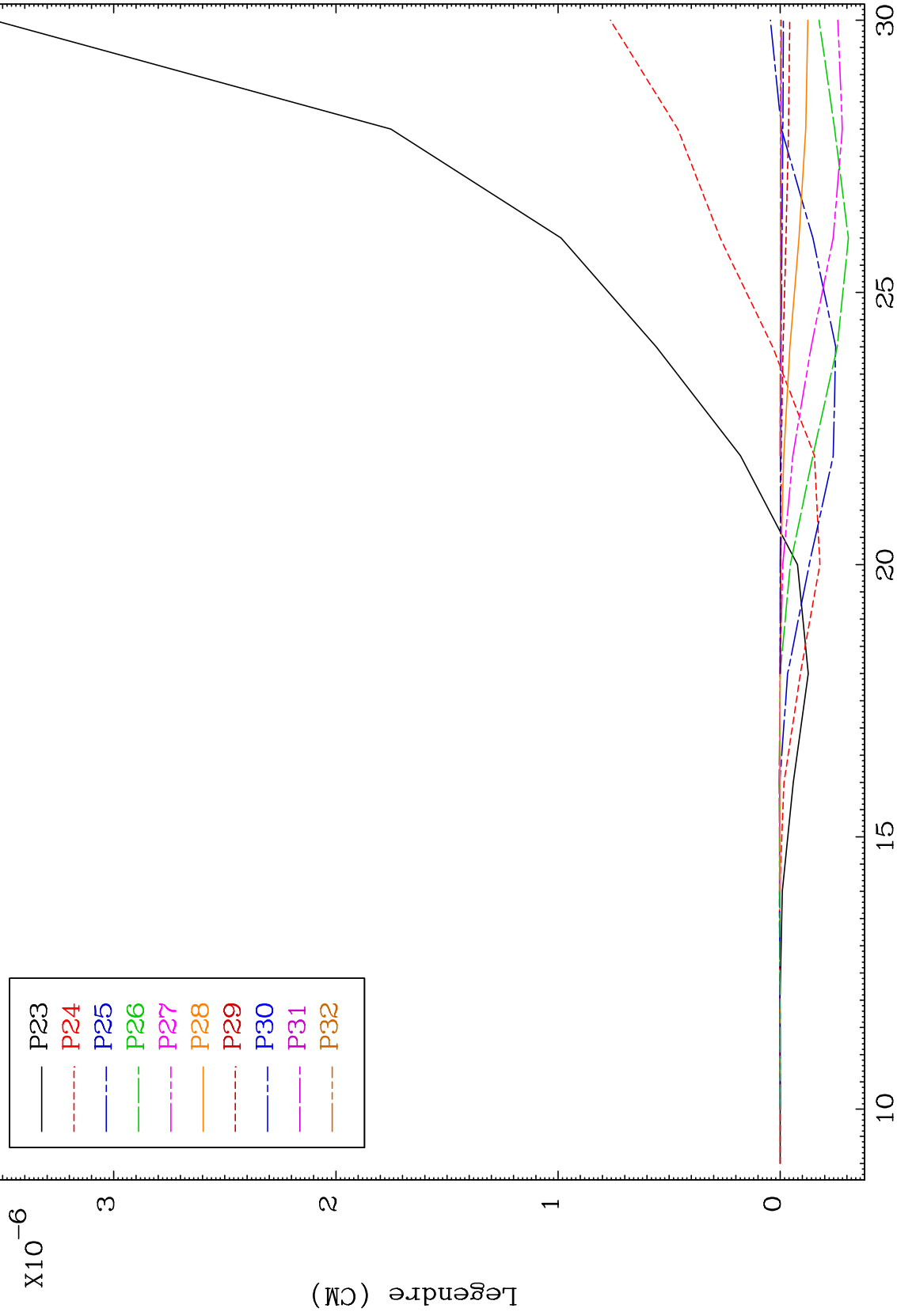
16

²⁷Co-57

MAT 2719

Elastic Legendre Coefficients

27-Co-57



17

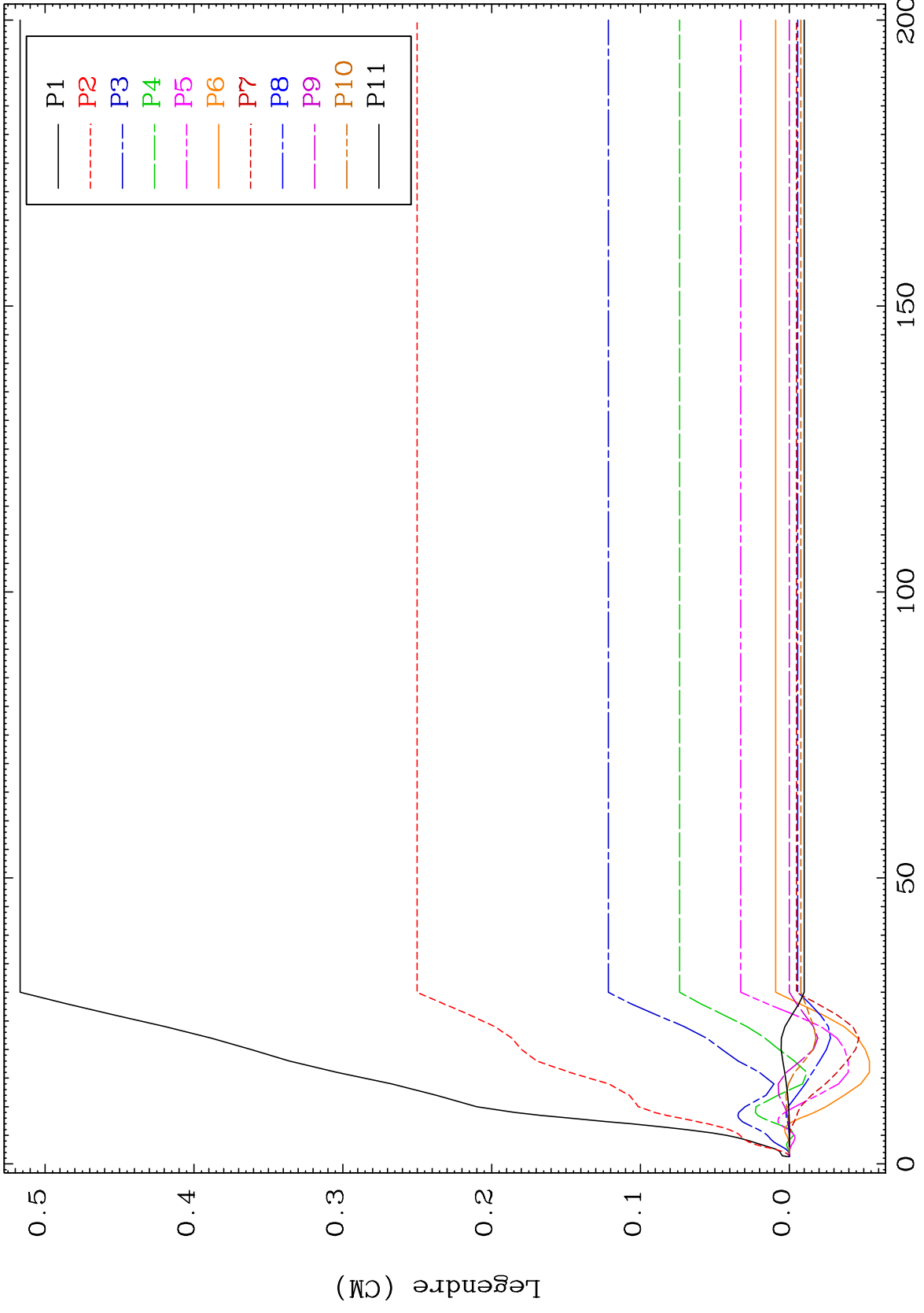
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



18

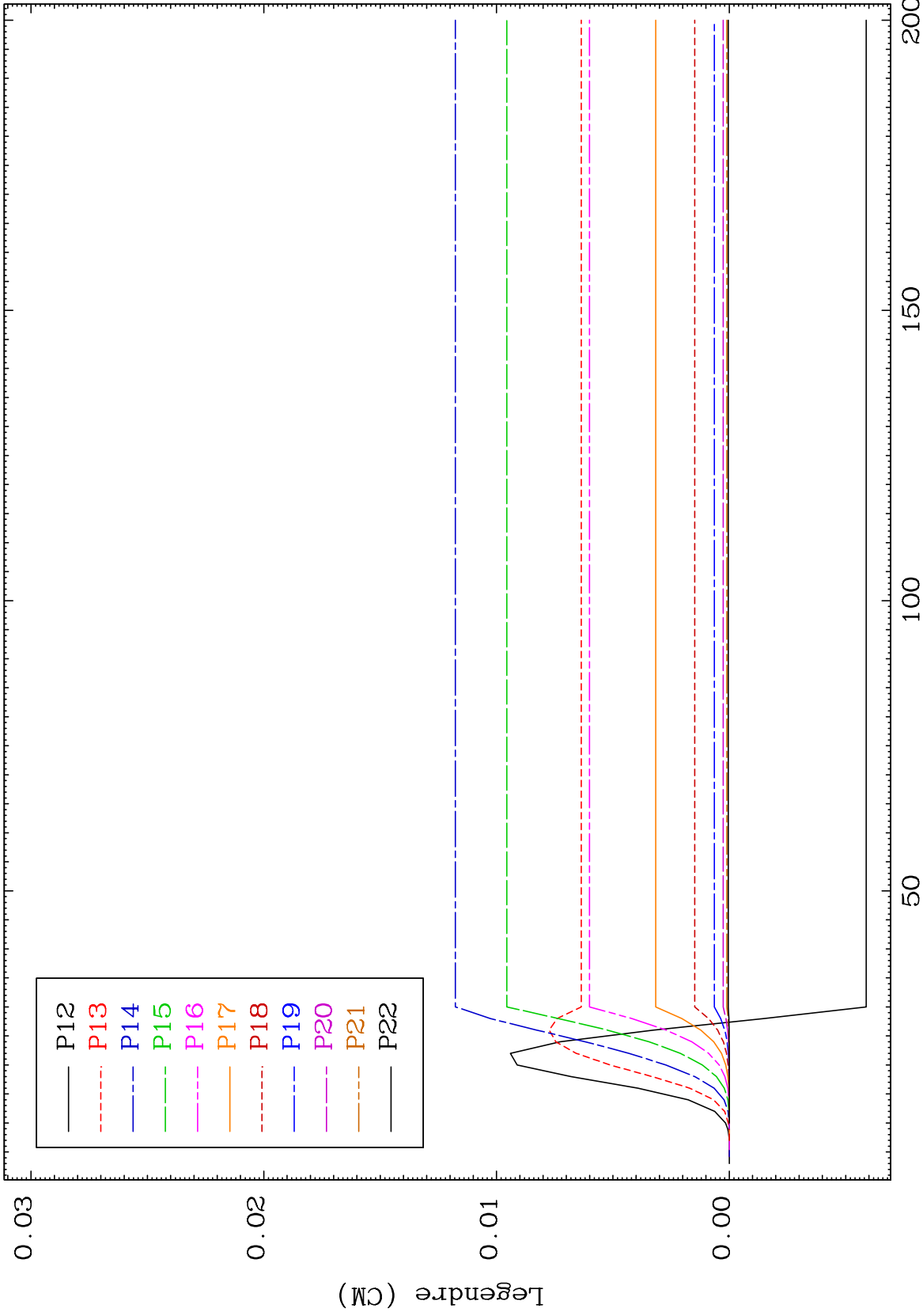
Incident Energy (MeV)

27-Co-57

MAT 2719

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

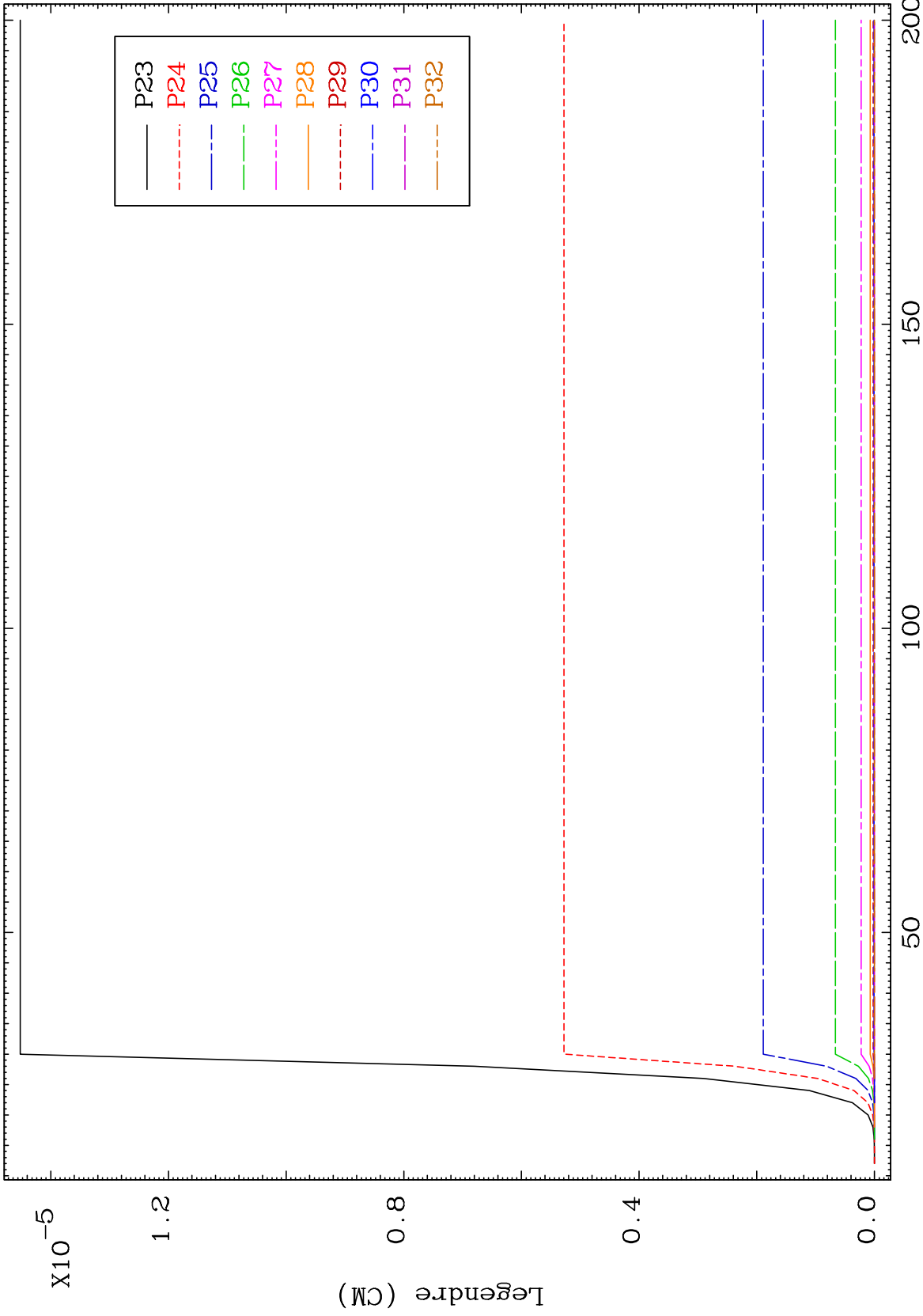
27-Co-57



MAT 2719

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

27-Co-57



20

50

100

150

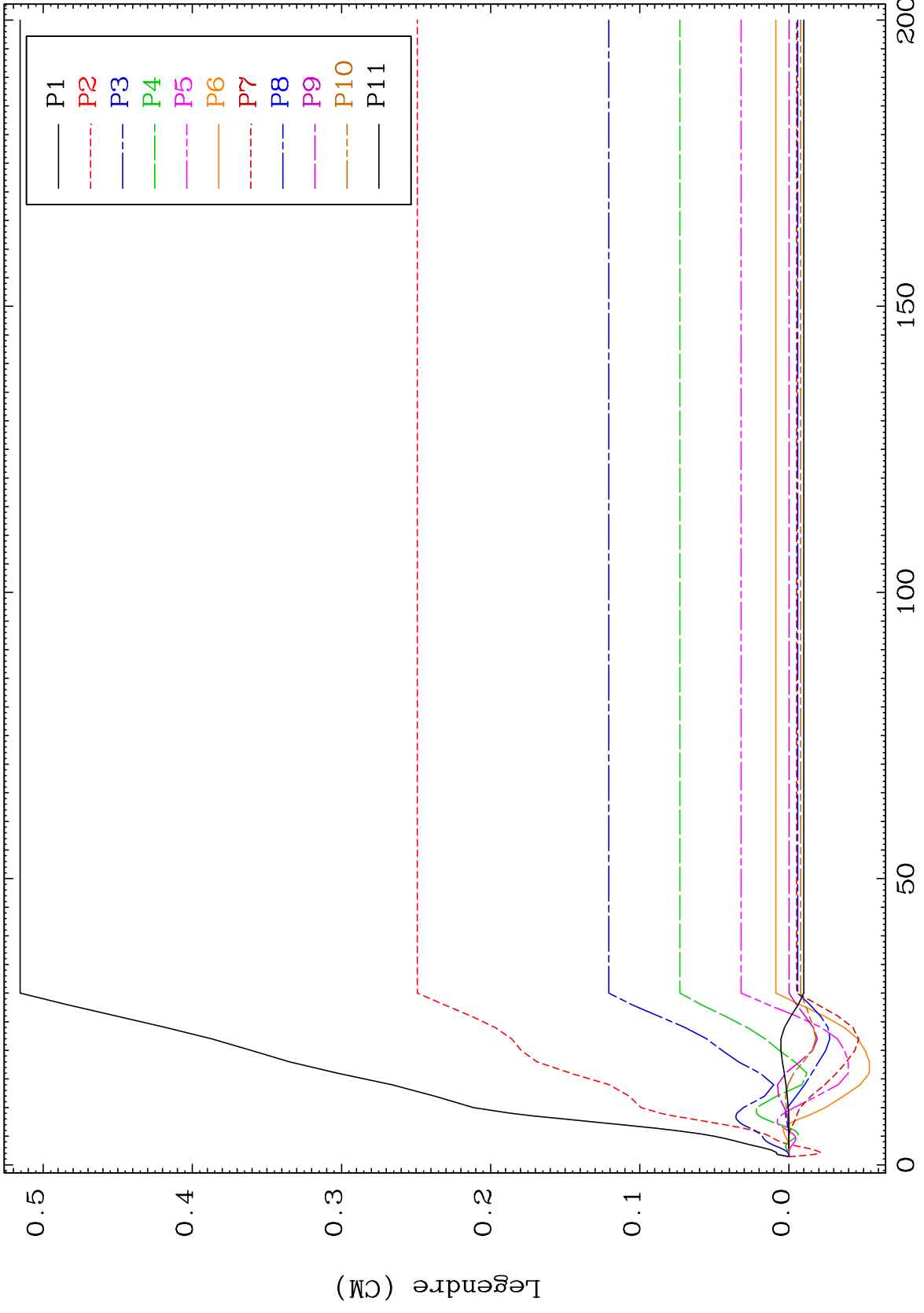
200

27-Co-57

MAT 2719

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

27-Co-57



21

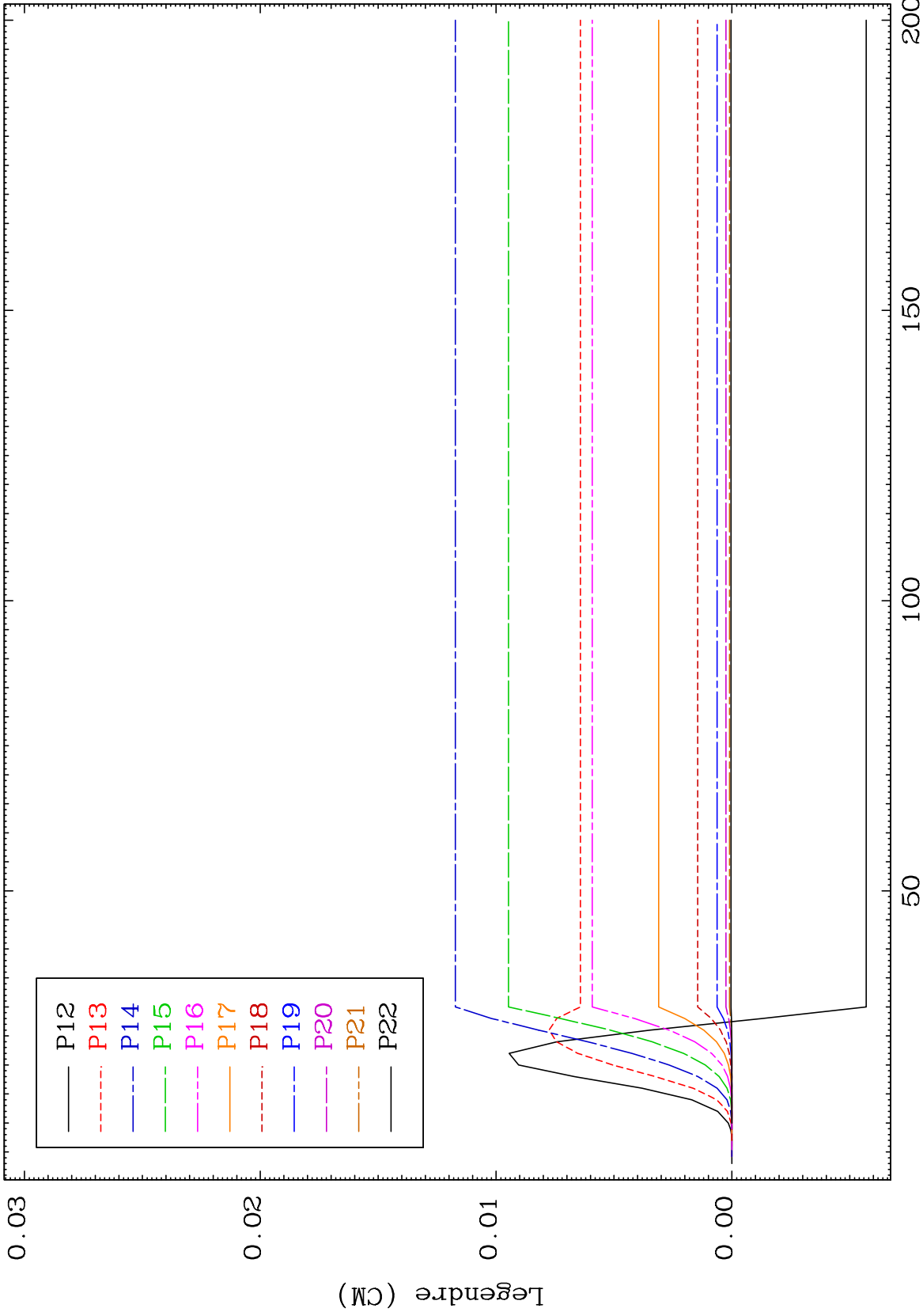
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



22

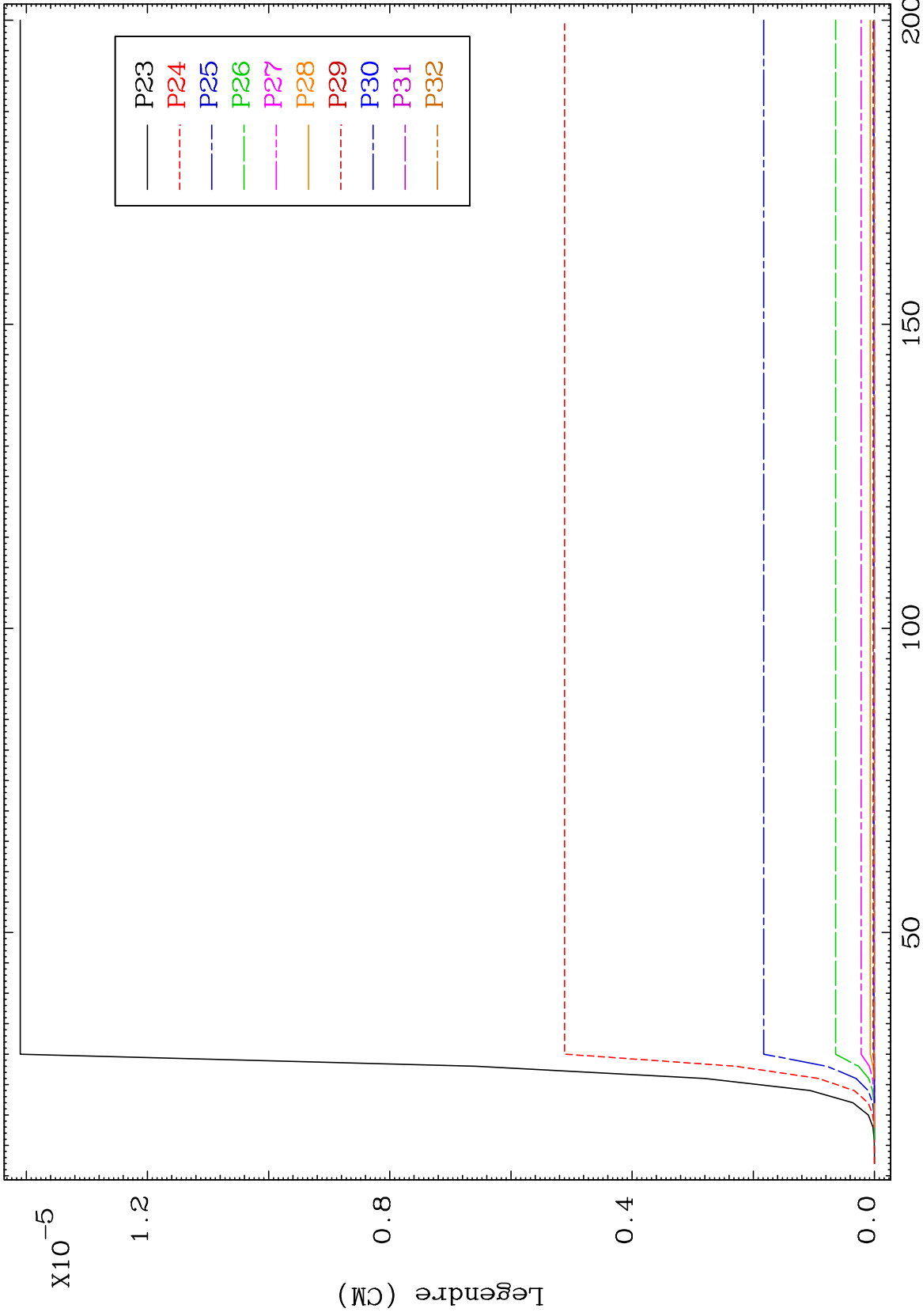
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



23

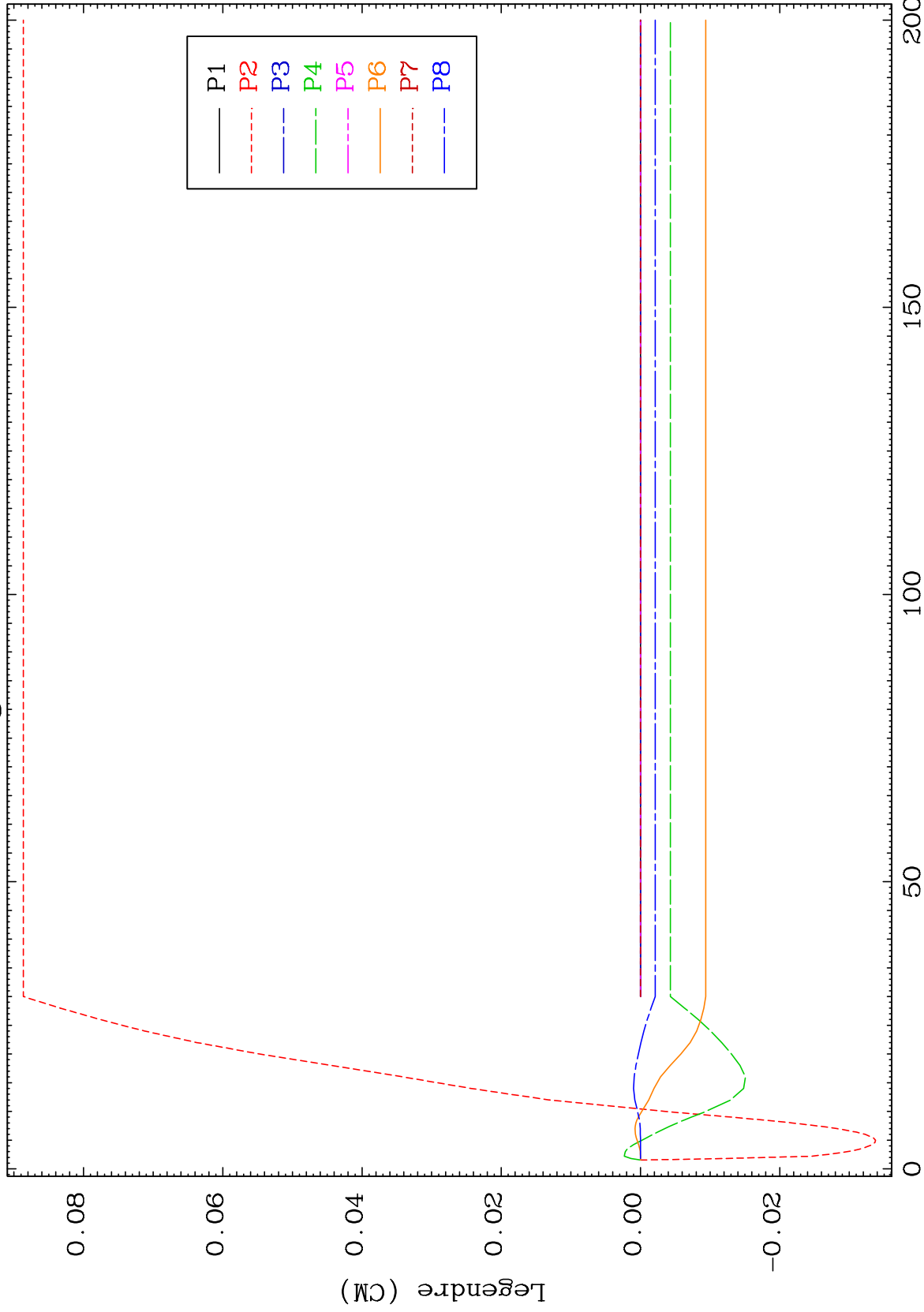
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



24

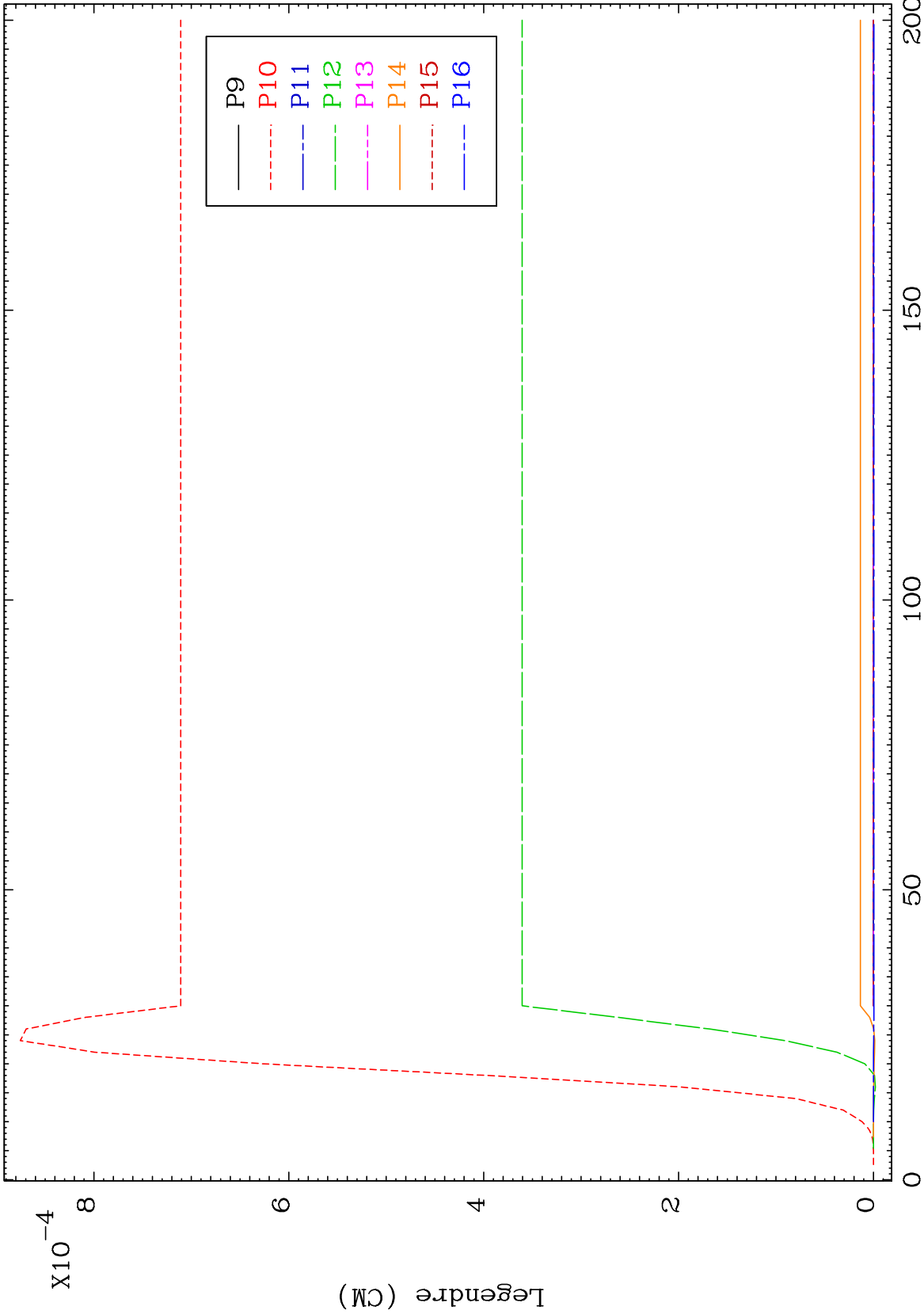
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57

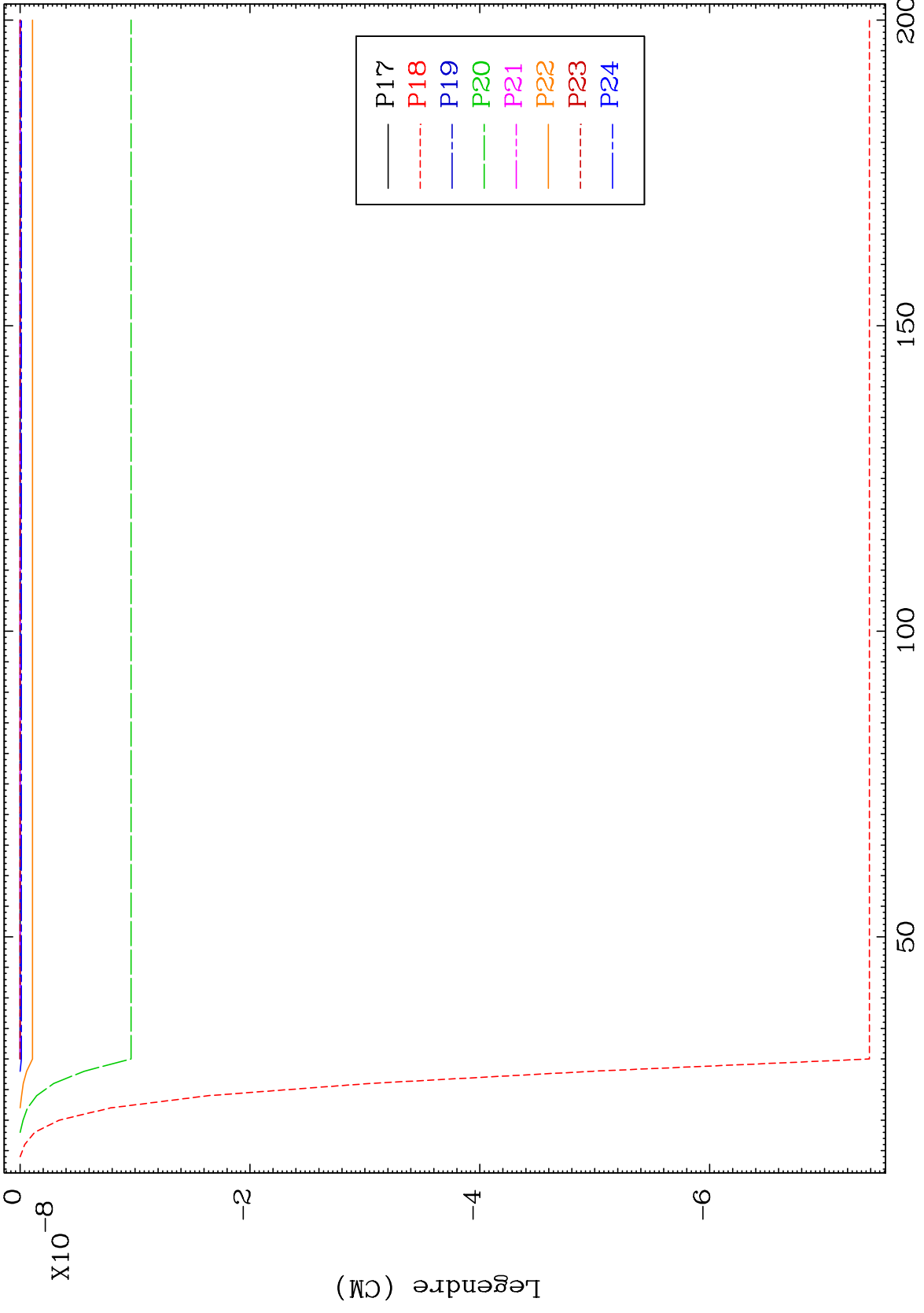


25

Incident Energy (MeV)

27-Co-57

MAT 2719 MT= 53 (n,n') Level Legendre Coefficients 27-Co-57

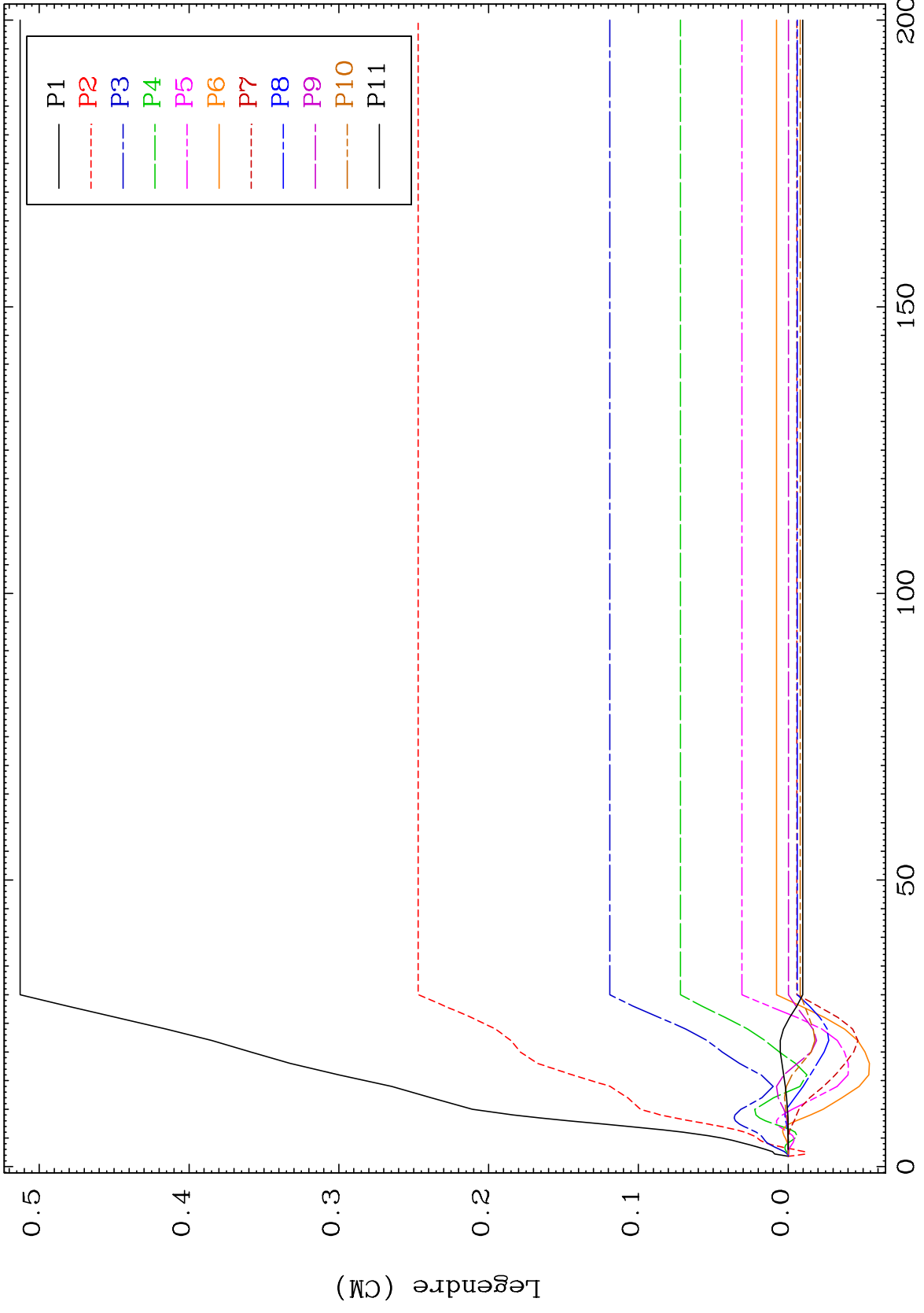


26 27-Co-57

MAT 2719

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

27-Co-57



27

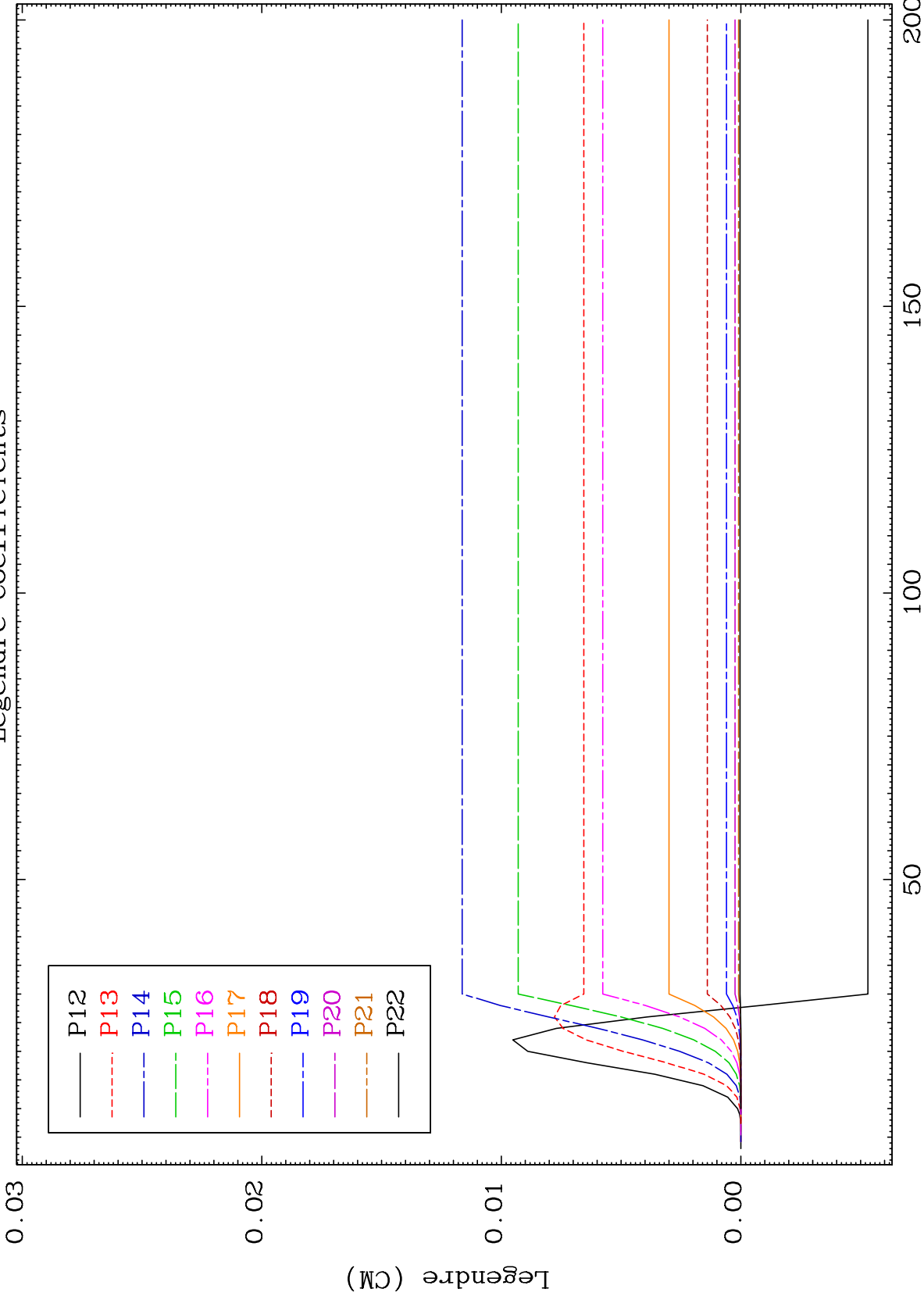
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



28

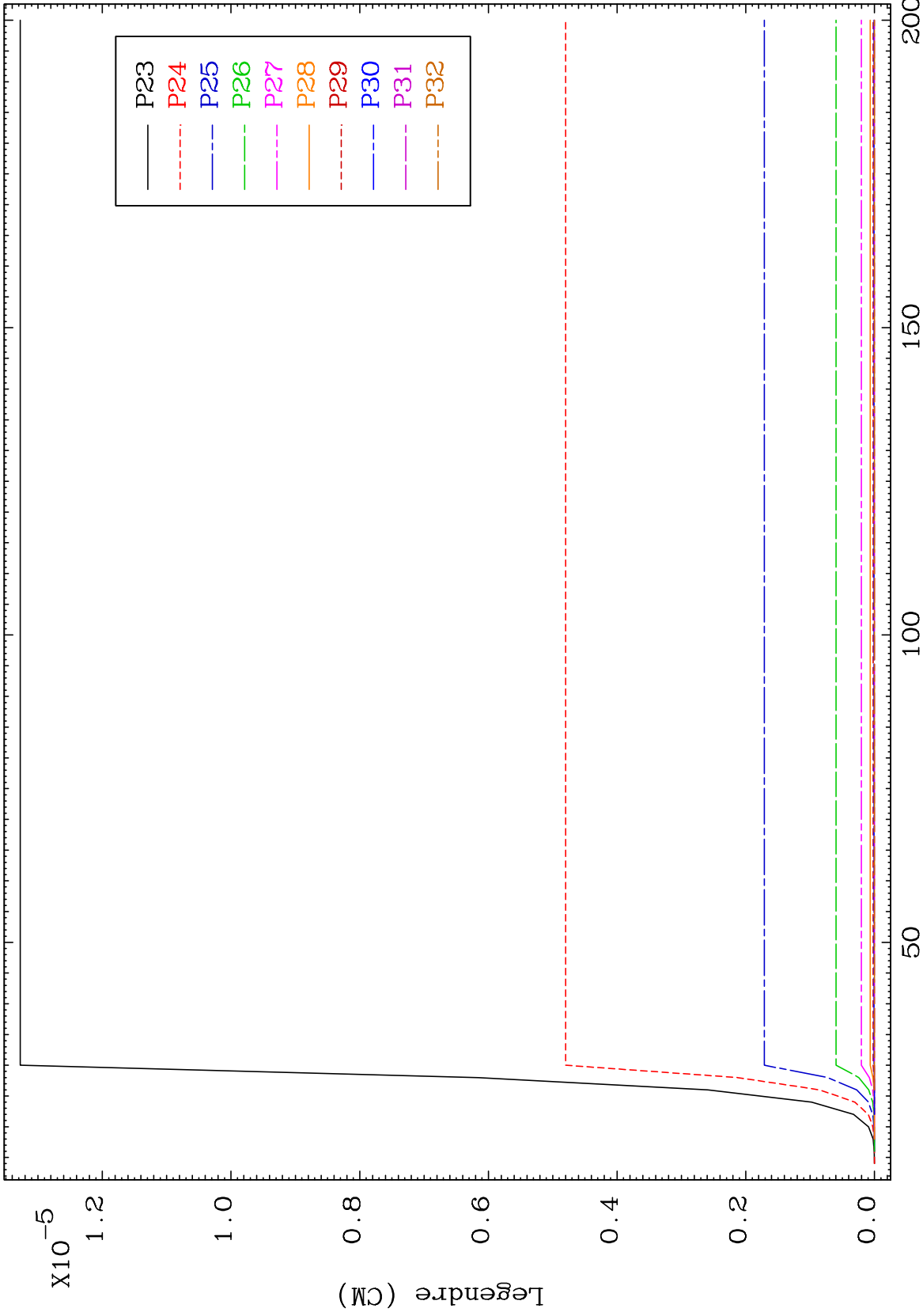
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



29

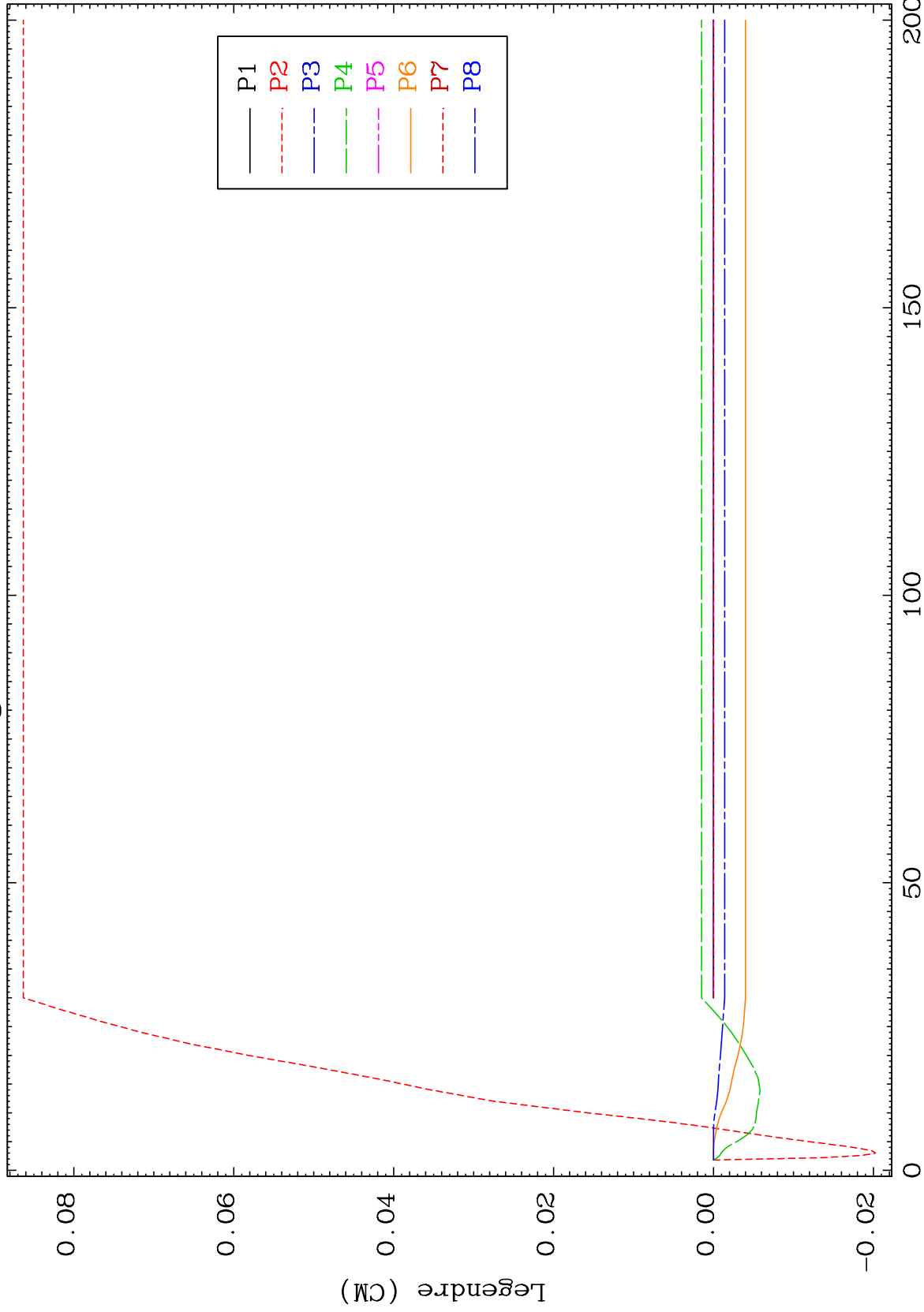
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



27-Co-57

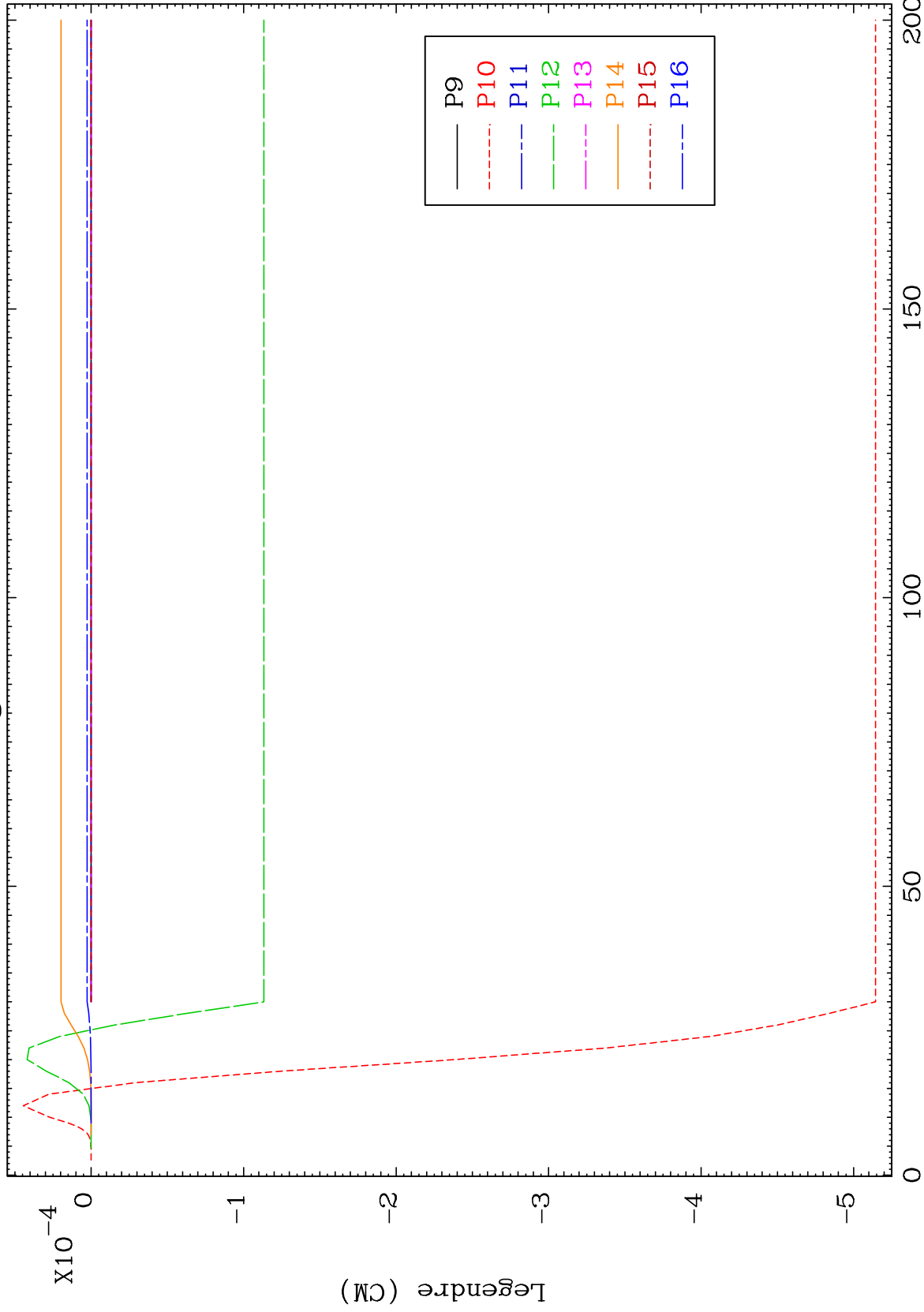
Incident Energy (MeV)

30

MAT 2719

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

27-Co-57

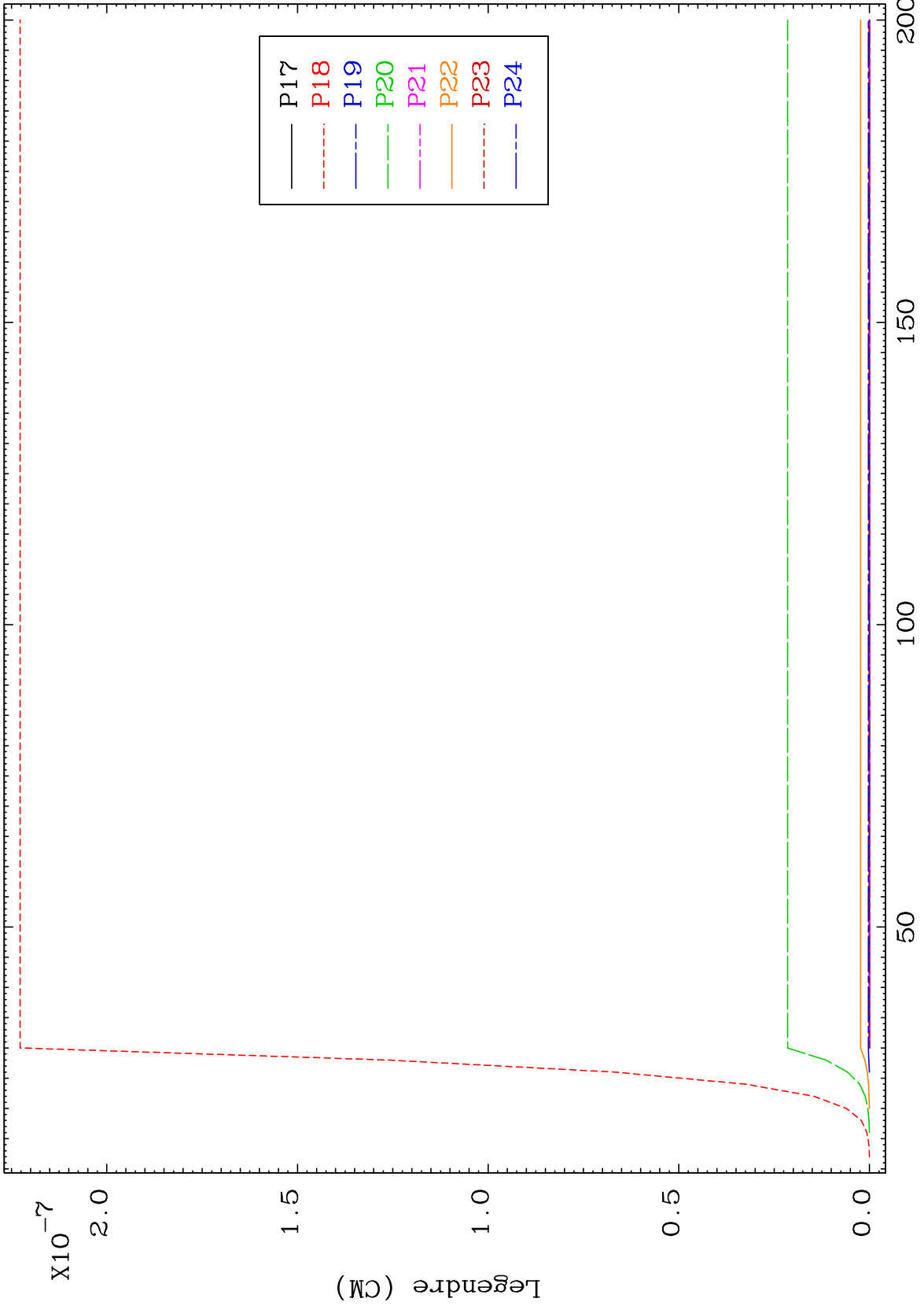


31

Incident Energy (MeV)

27-Co-57

MAT 2719 MT= 55 (n,n') Level Legendre Coefficients 27-Co-57

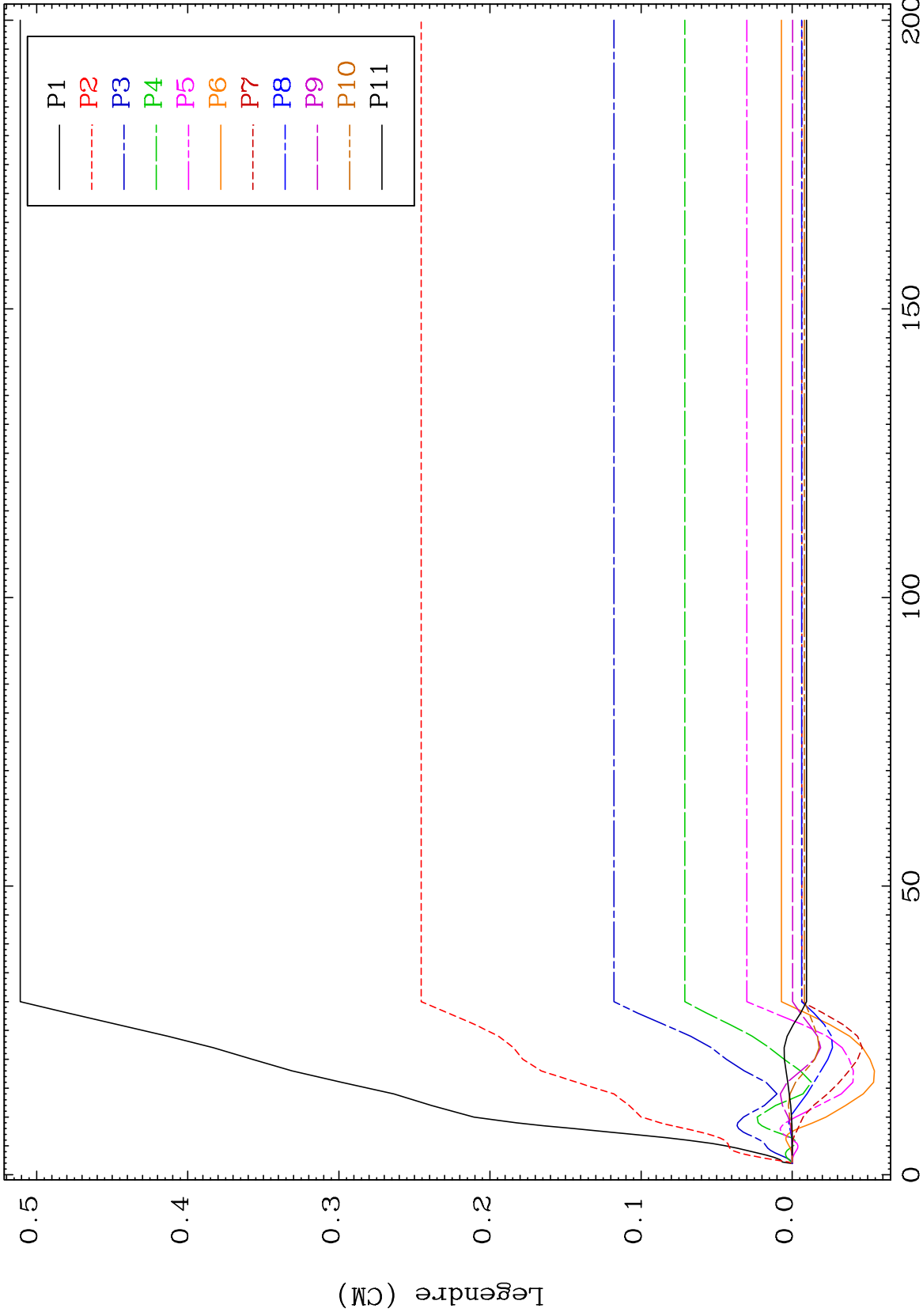


32 50 100 150 200 27-Co-57

MAT 2719

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

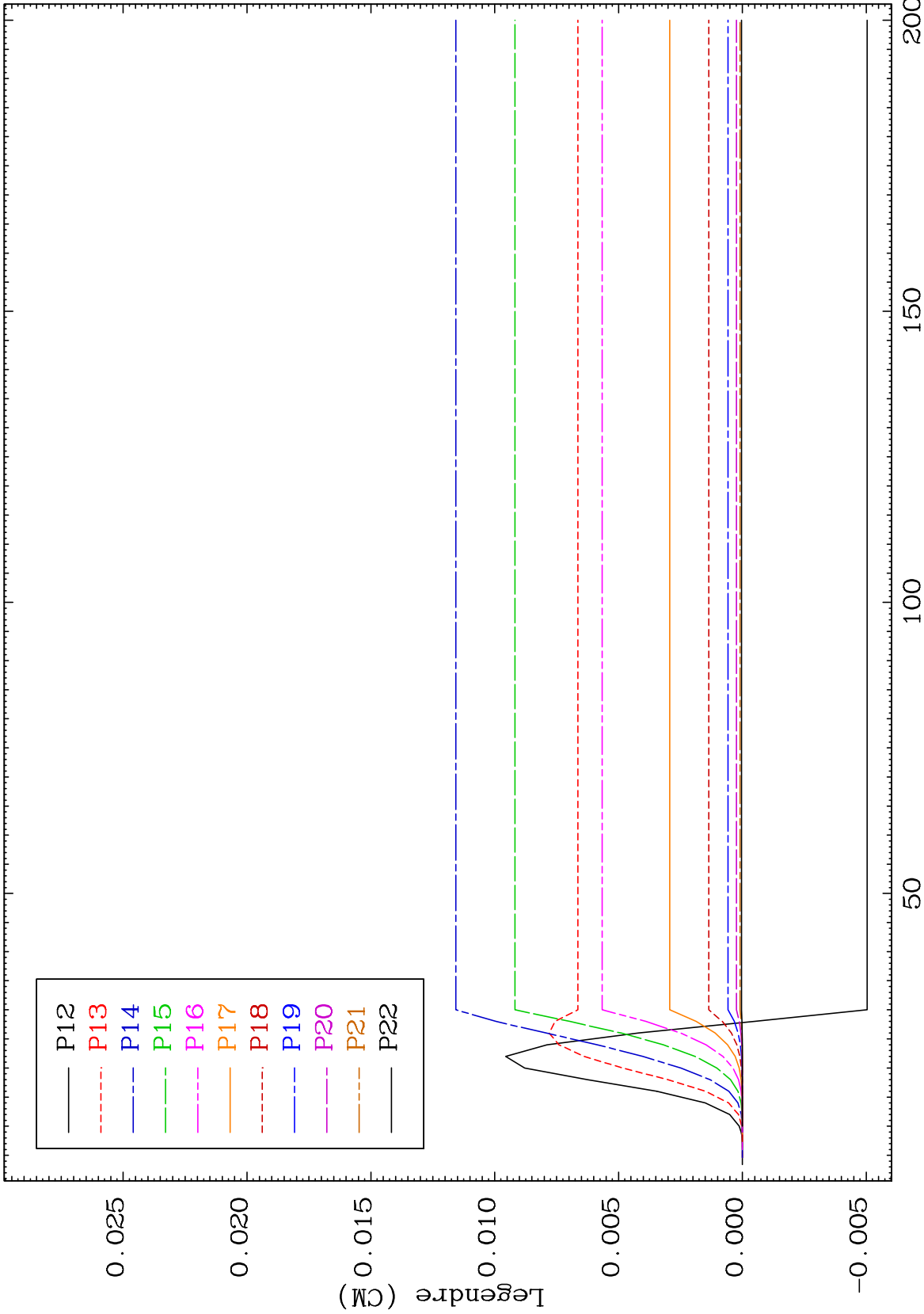
27-Co-57



33

Incident Energy (MeV)

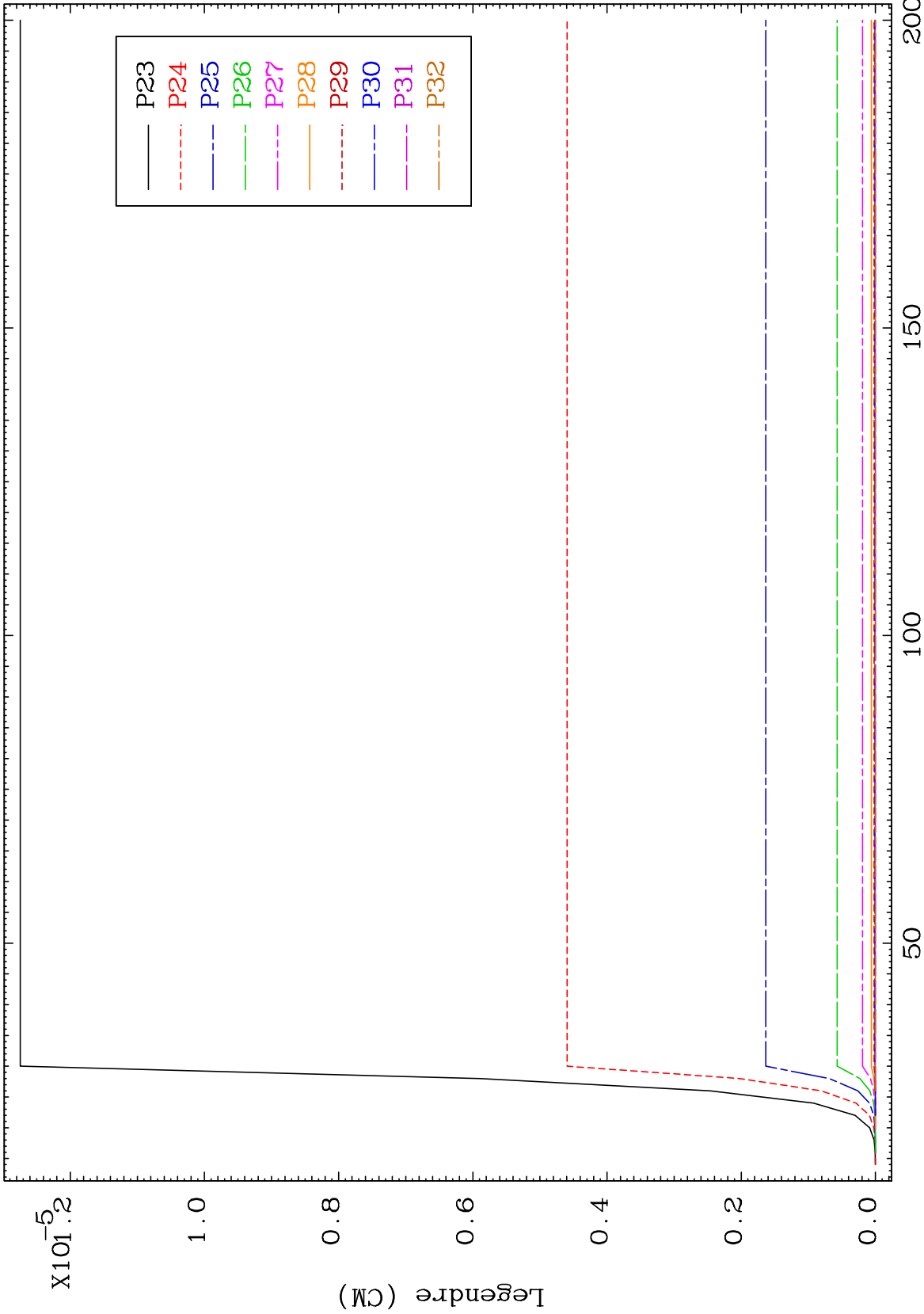
27-Co-57



MAT 2719

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

27-Co-57



35

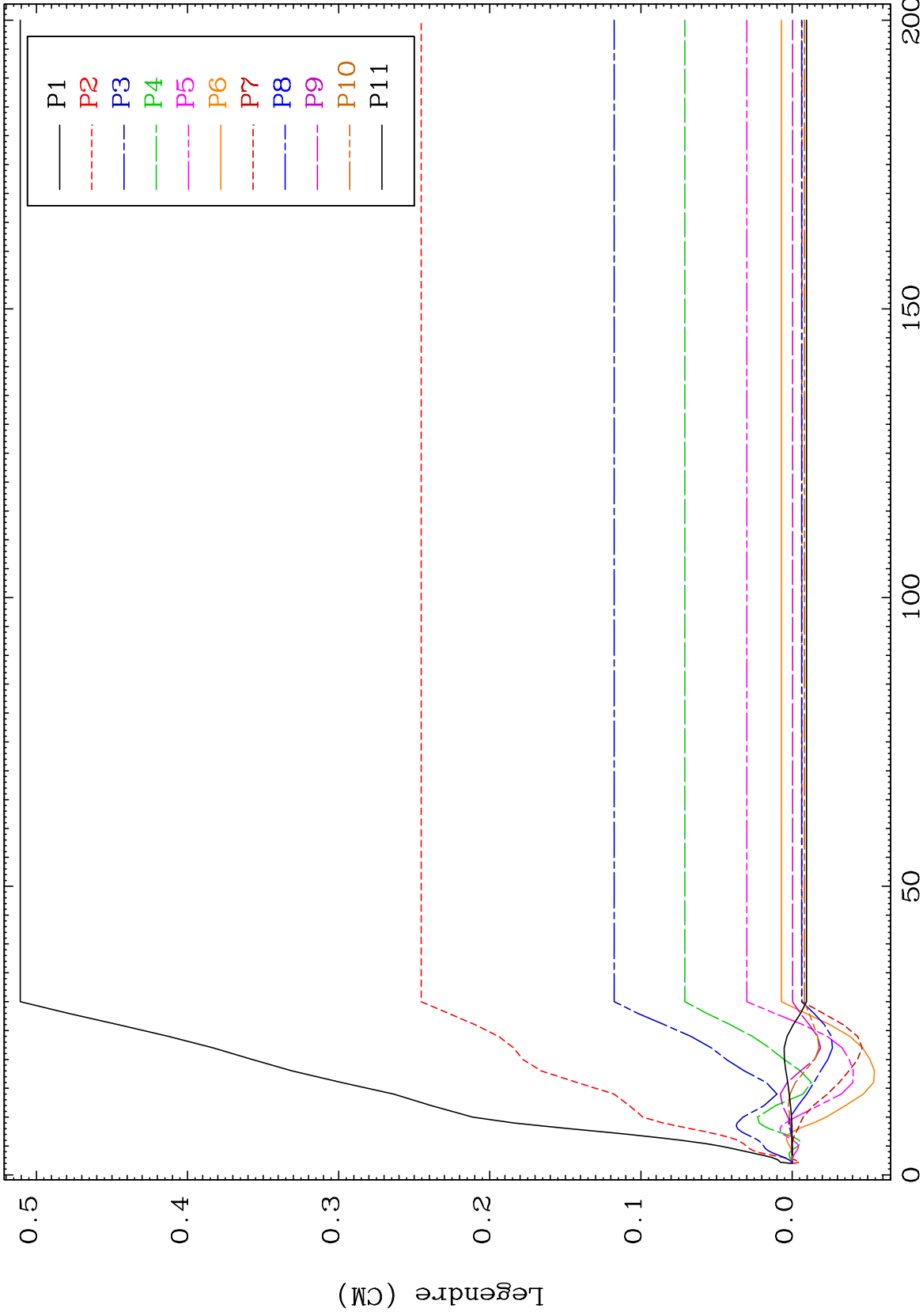
Incident Energy (MeV)

27-Co-57

MAT 2719

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

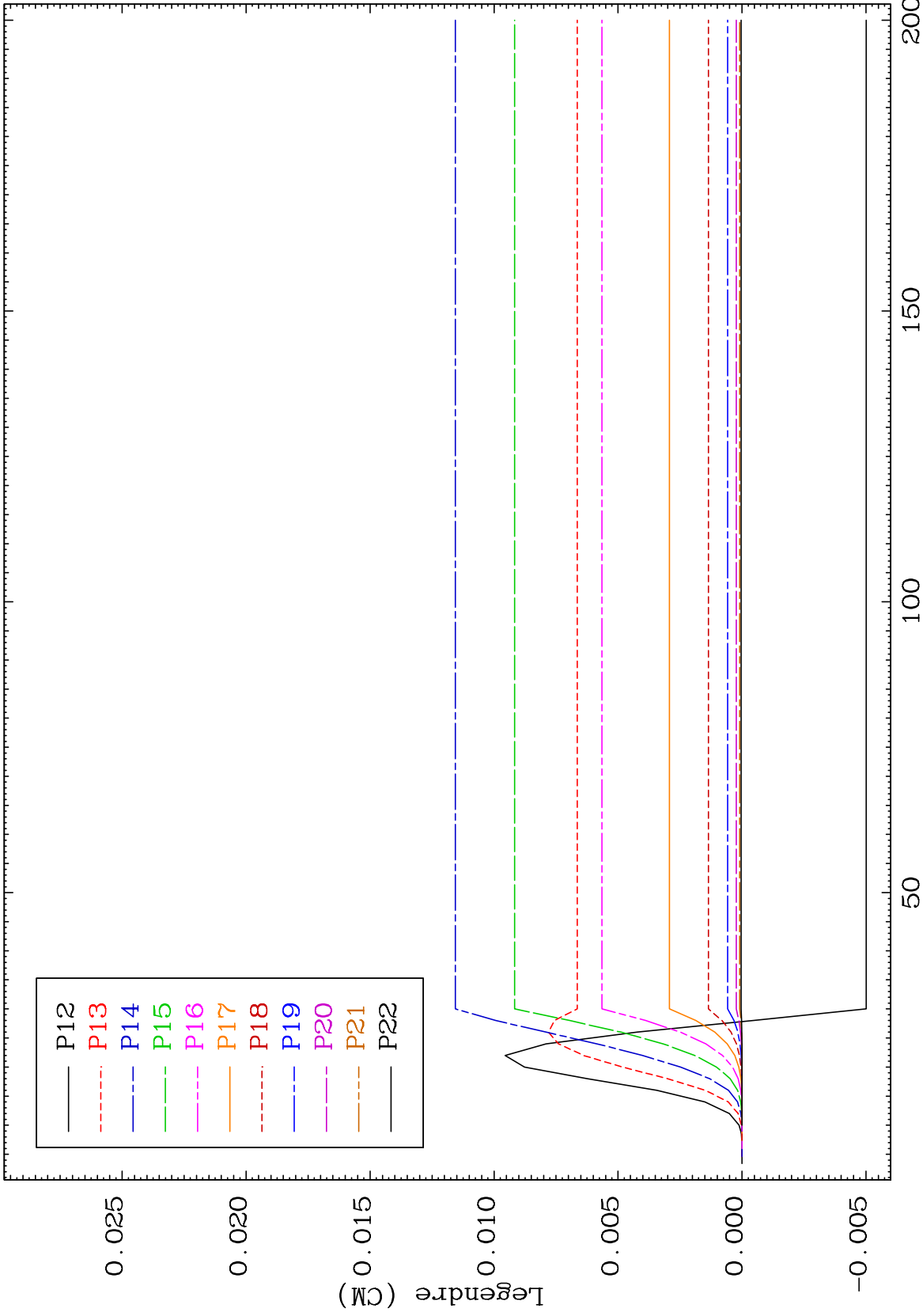
27-Co-57



36

Incident Energy (MeV)

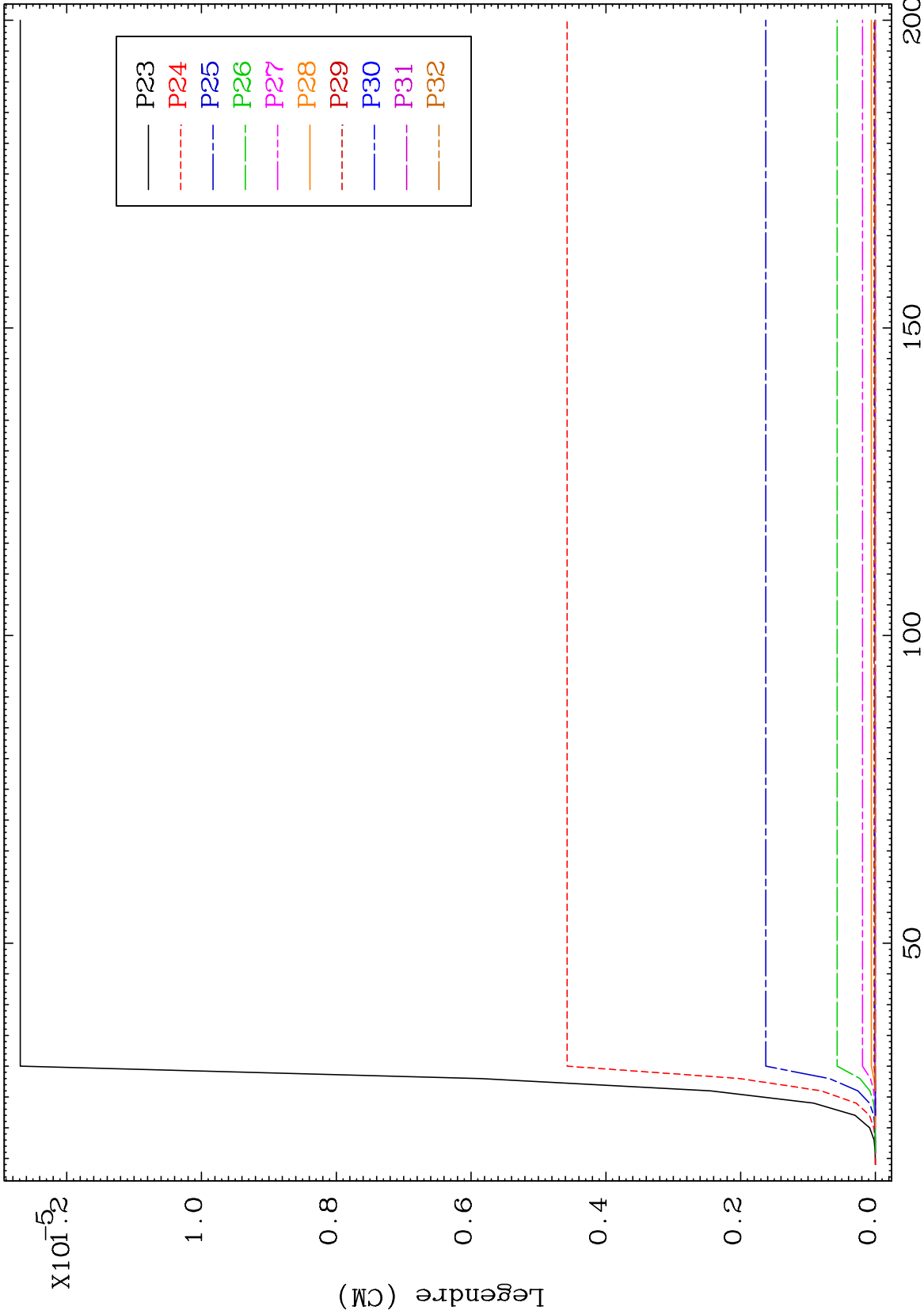
27-Co-57



MAT 2719

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

27-Co-57



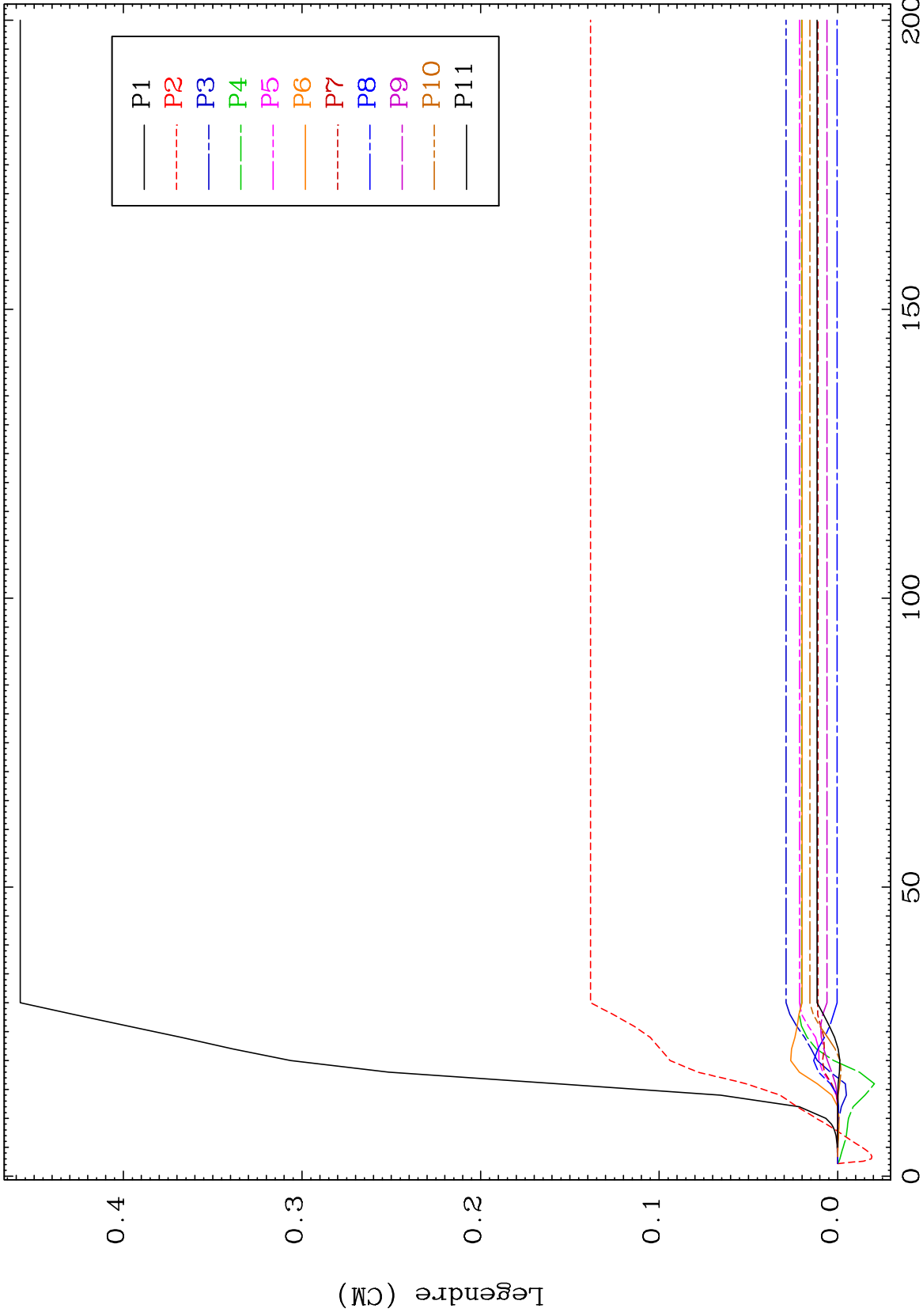
38

27-Co-57

MAT 2719

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

27-Co-57



39

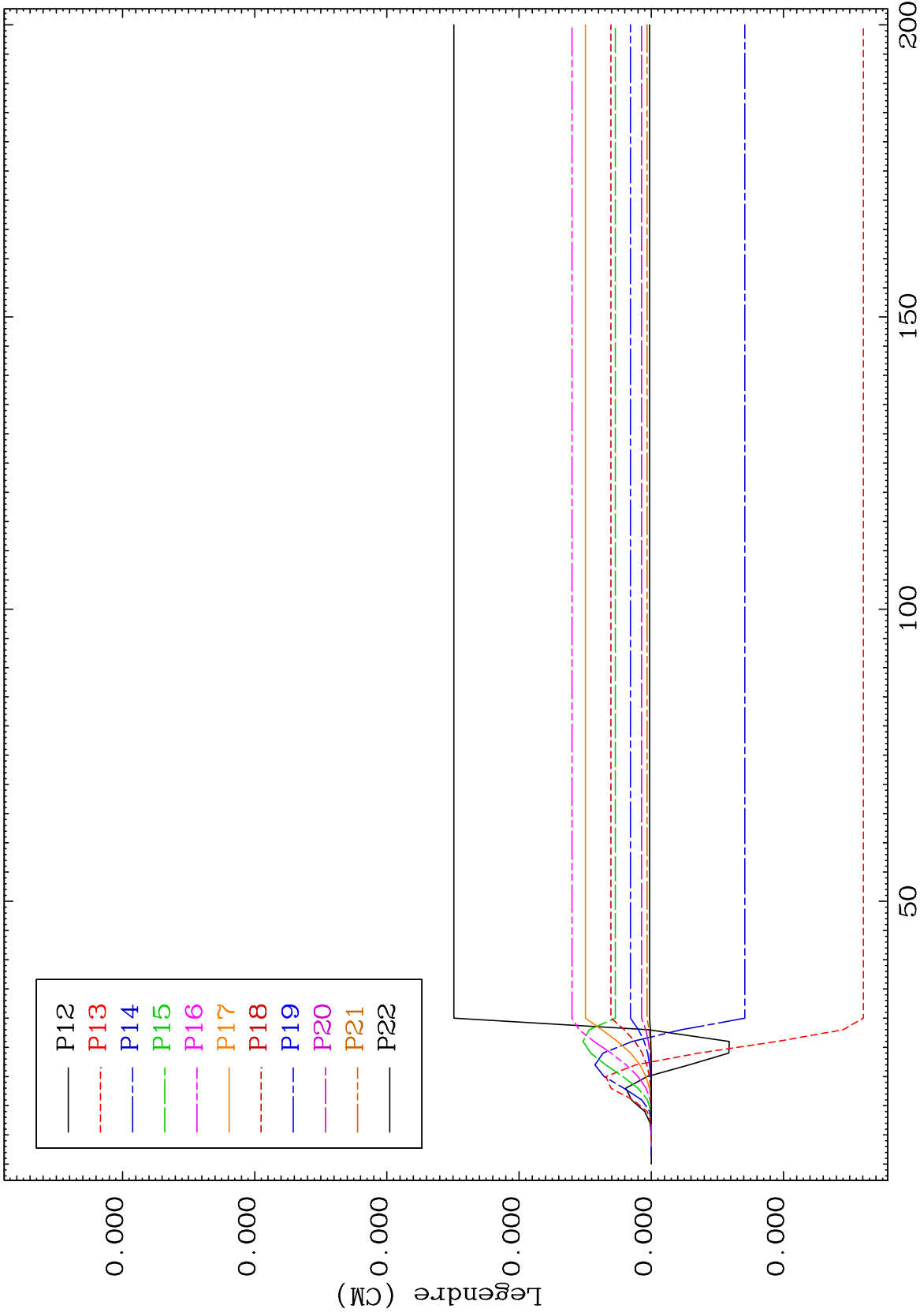
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



40

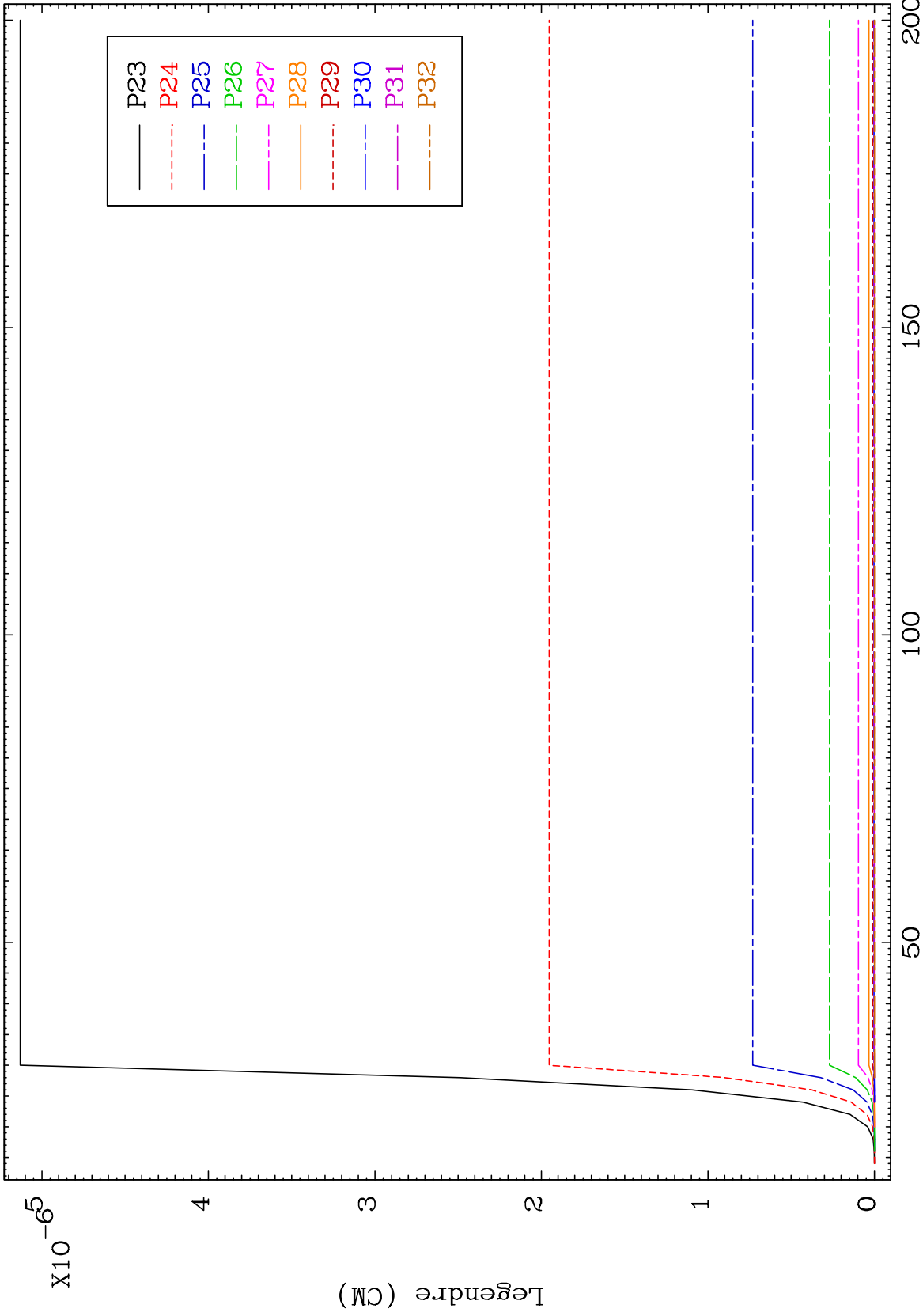
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



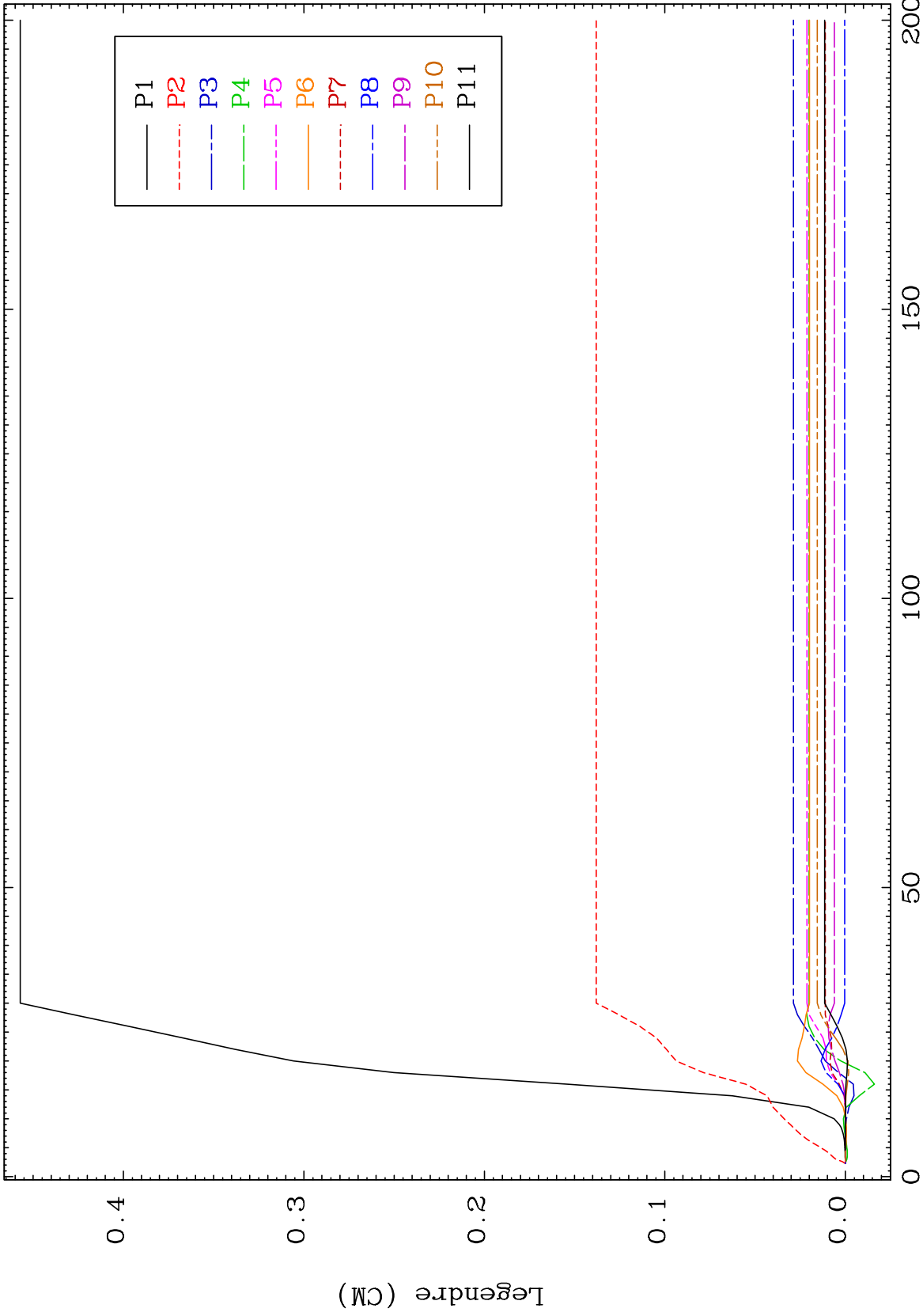
41

27-Co-57

MAT 2719

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

27-Co-57



42

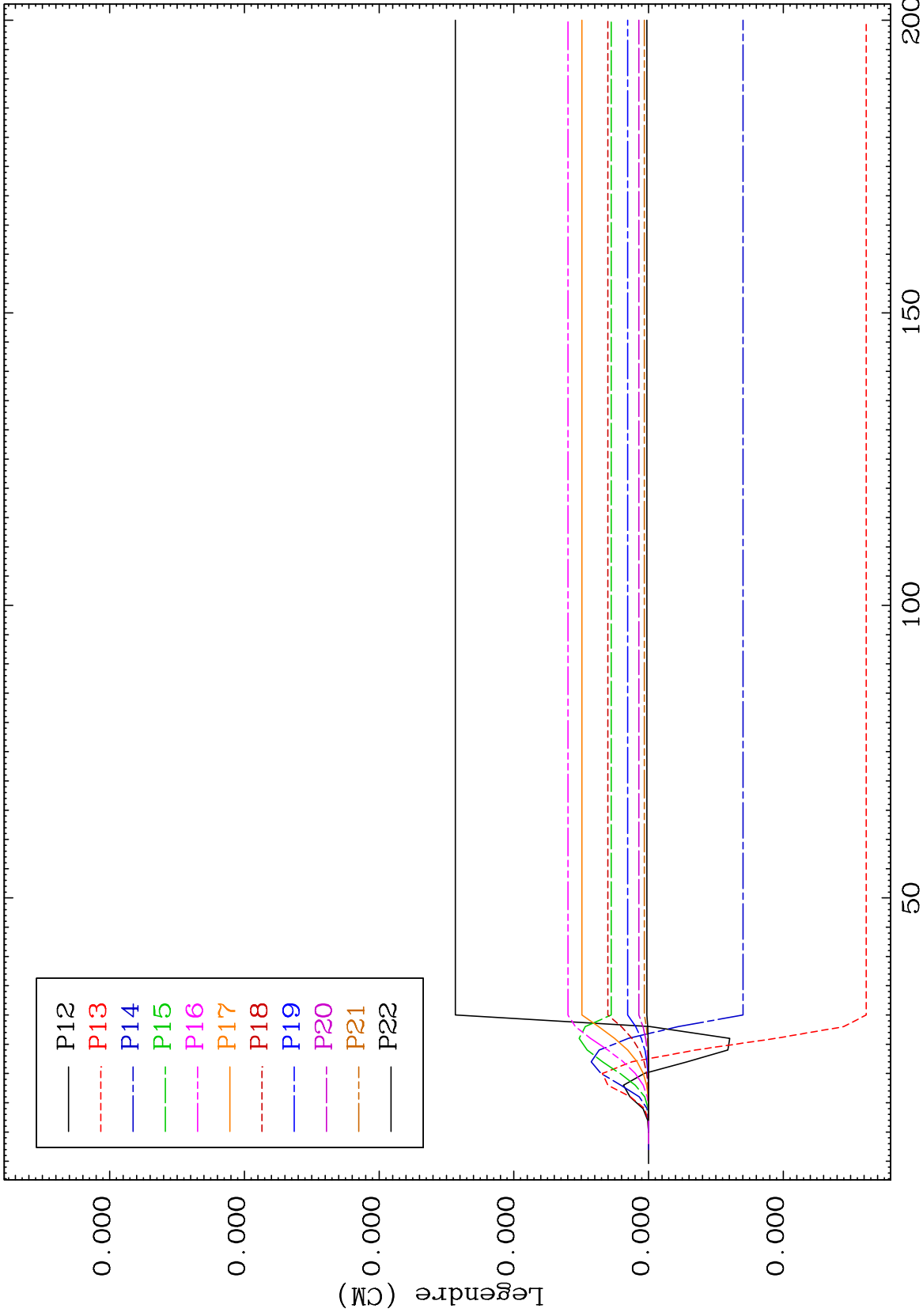
Incident Energy (MeV)

27-Co-57

MAT 2719

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

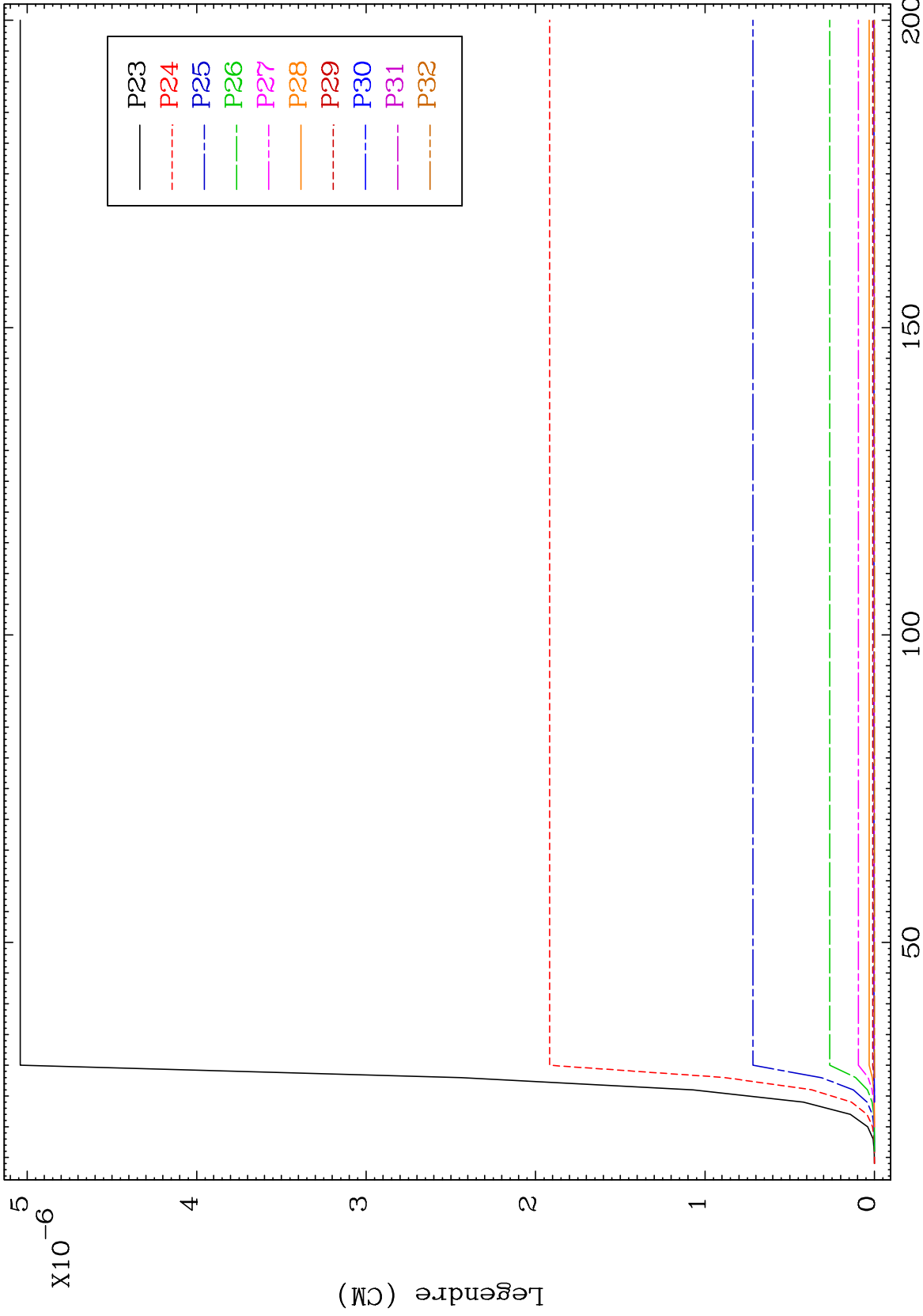
27-Co-57



MAT 2719

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

27-Co-57



44

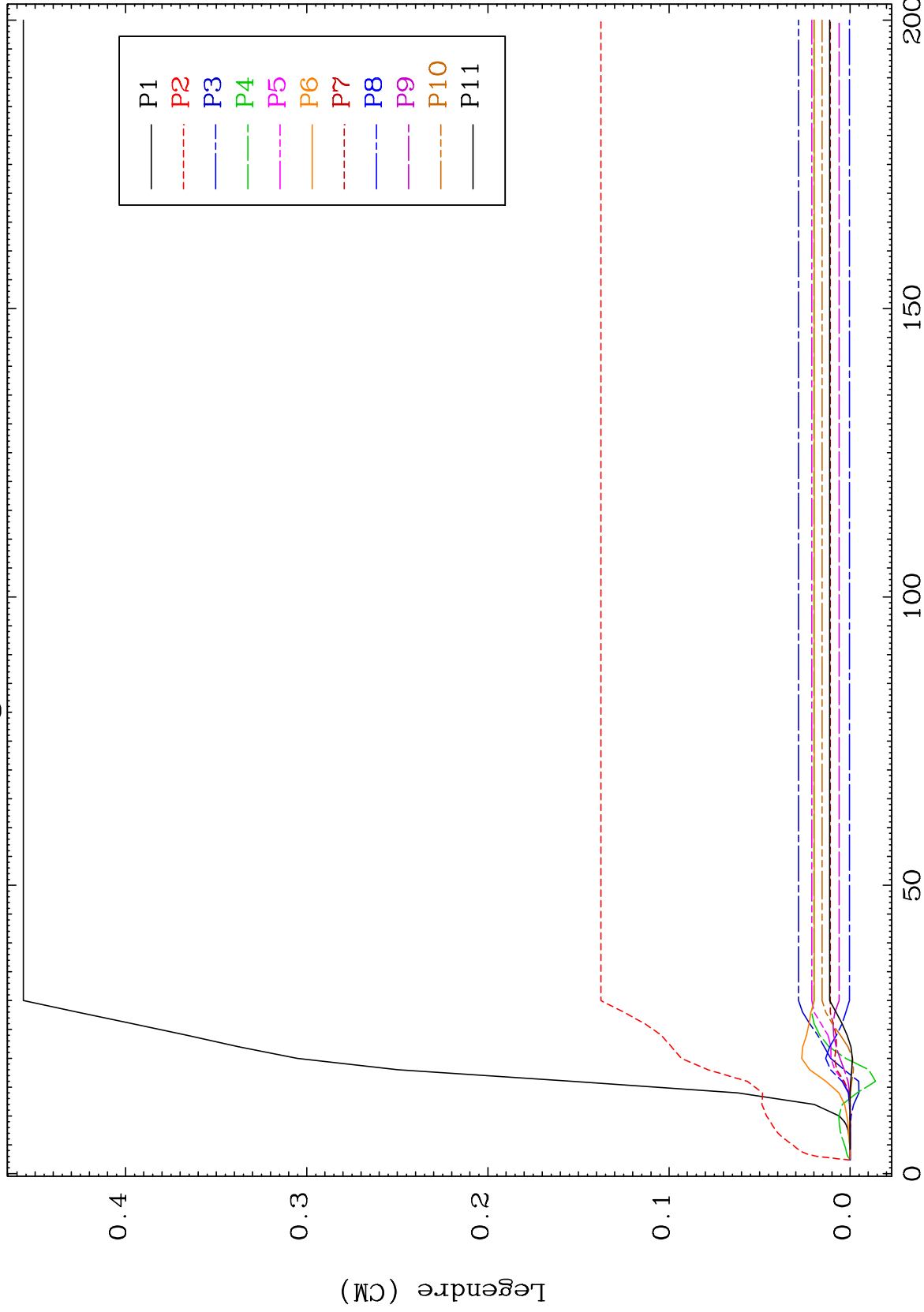
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



45

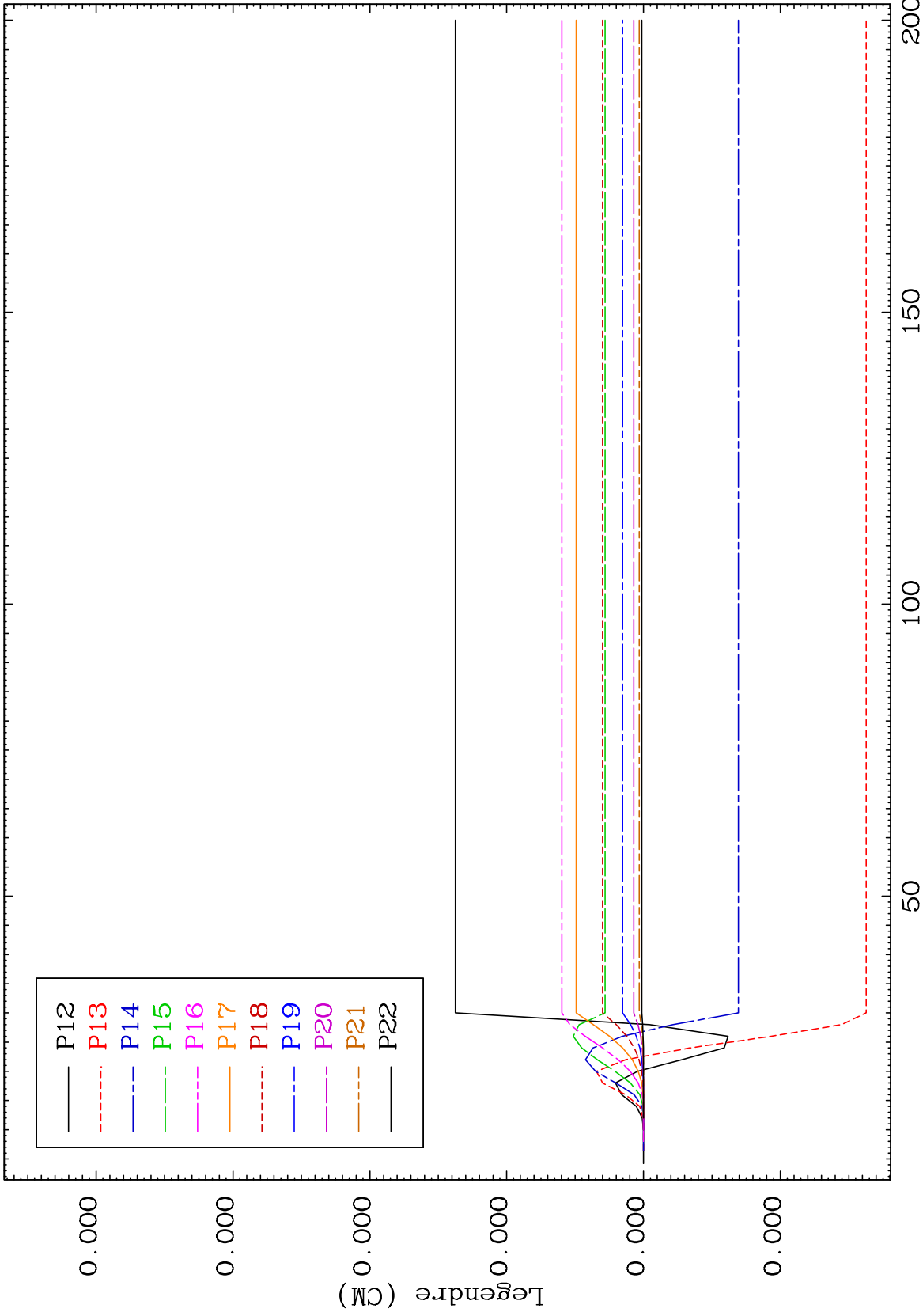
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



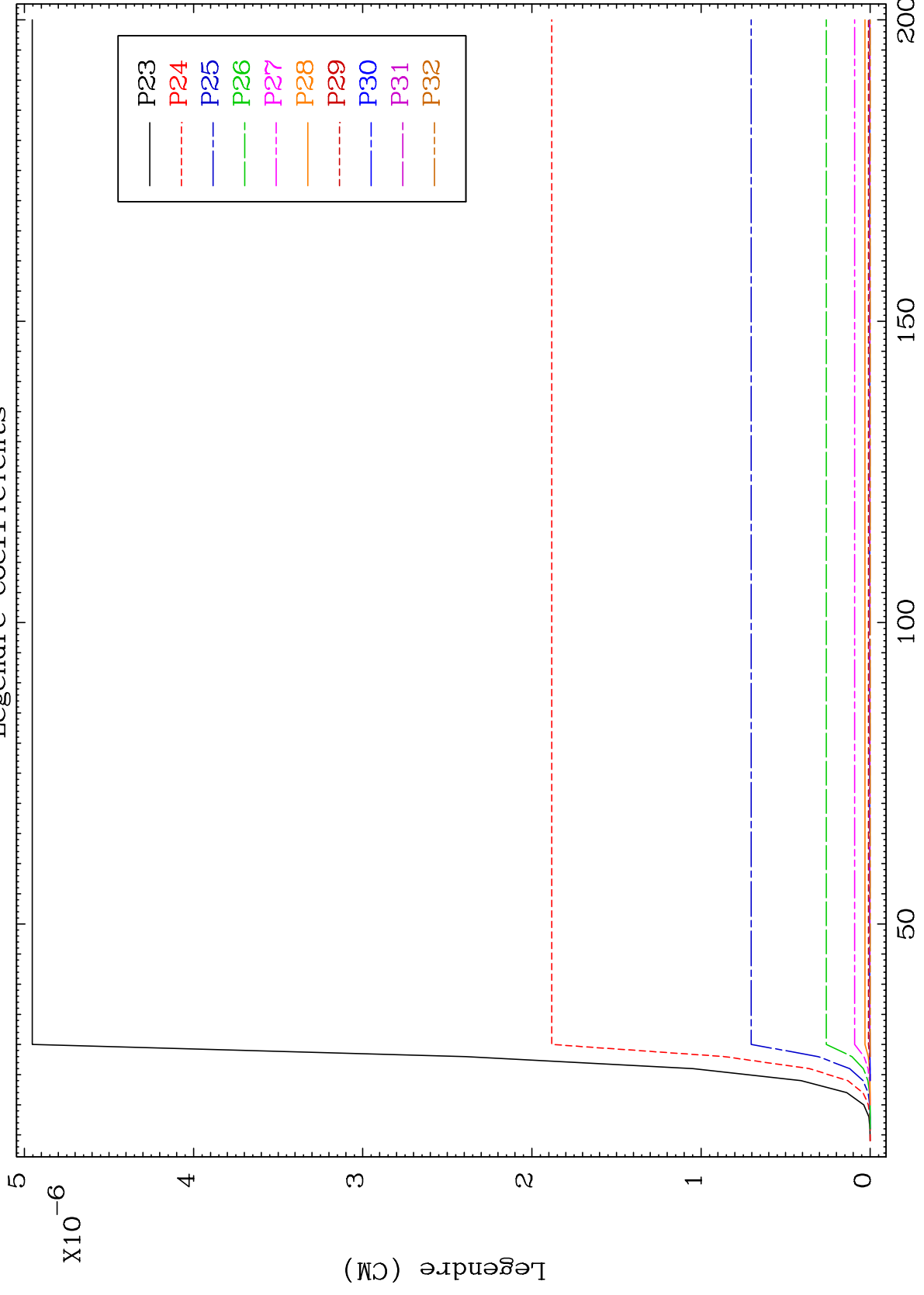
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27-Co-57

MAT 2719

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

27-Co-57



47

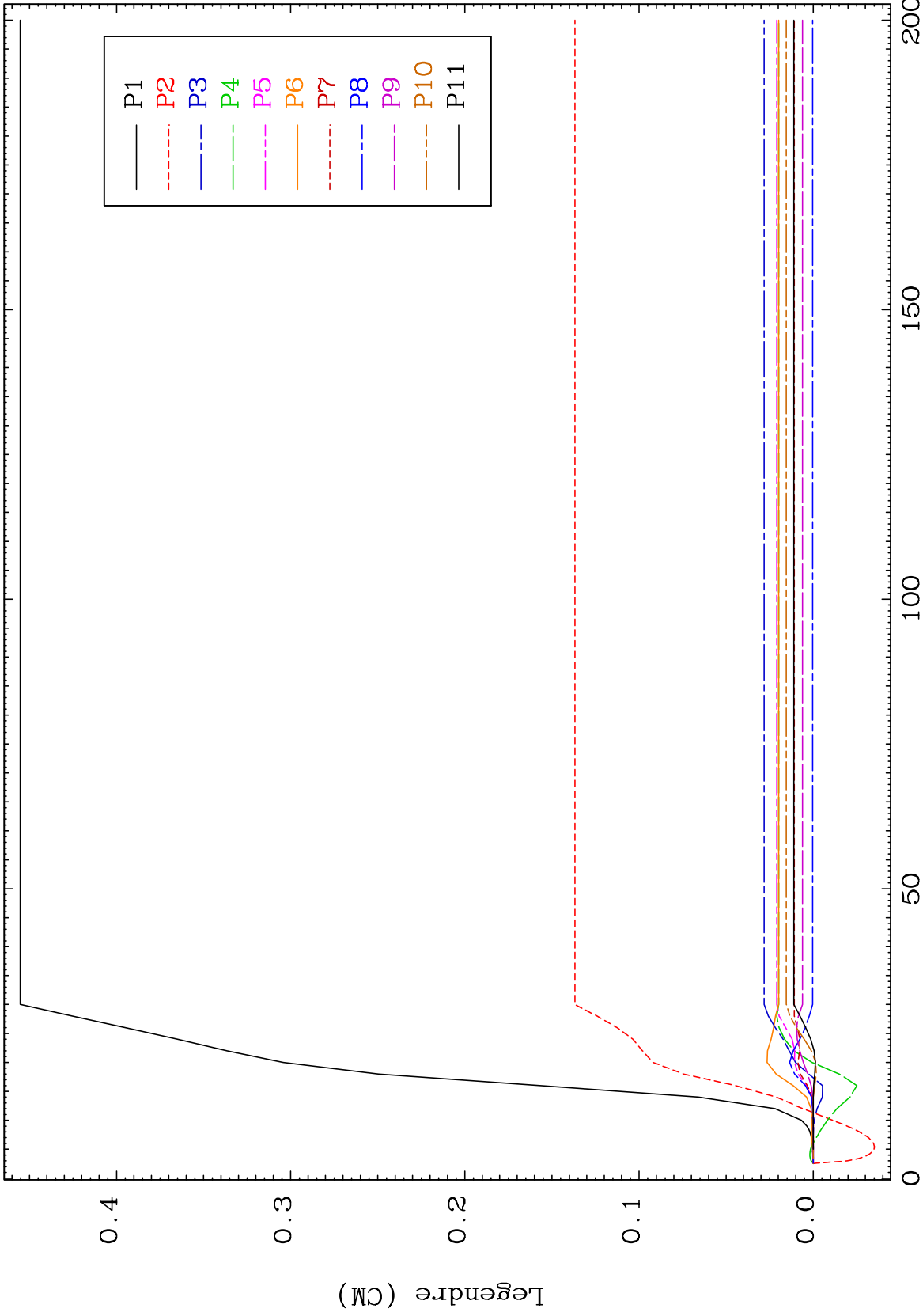
Incident Energy (MeV)

27-Co-57

MAT 2719

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

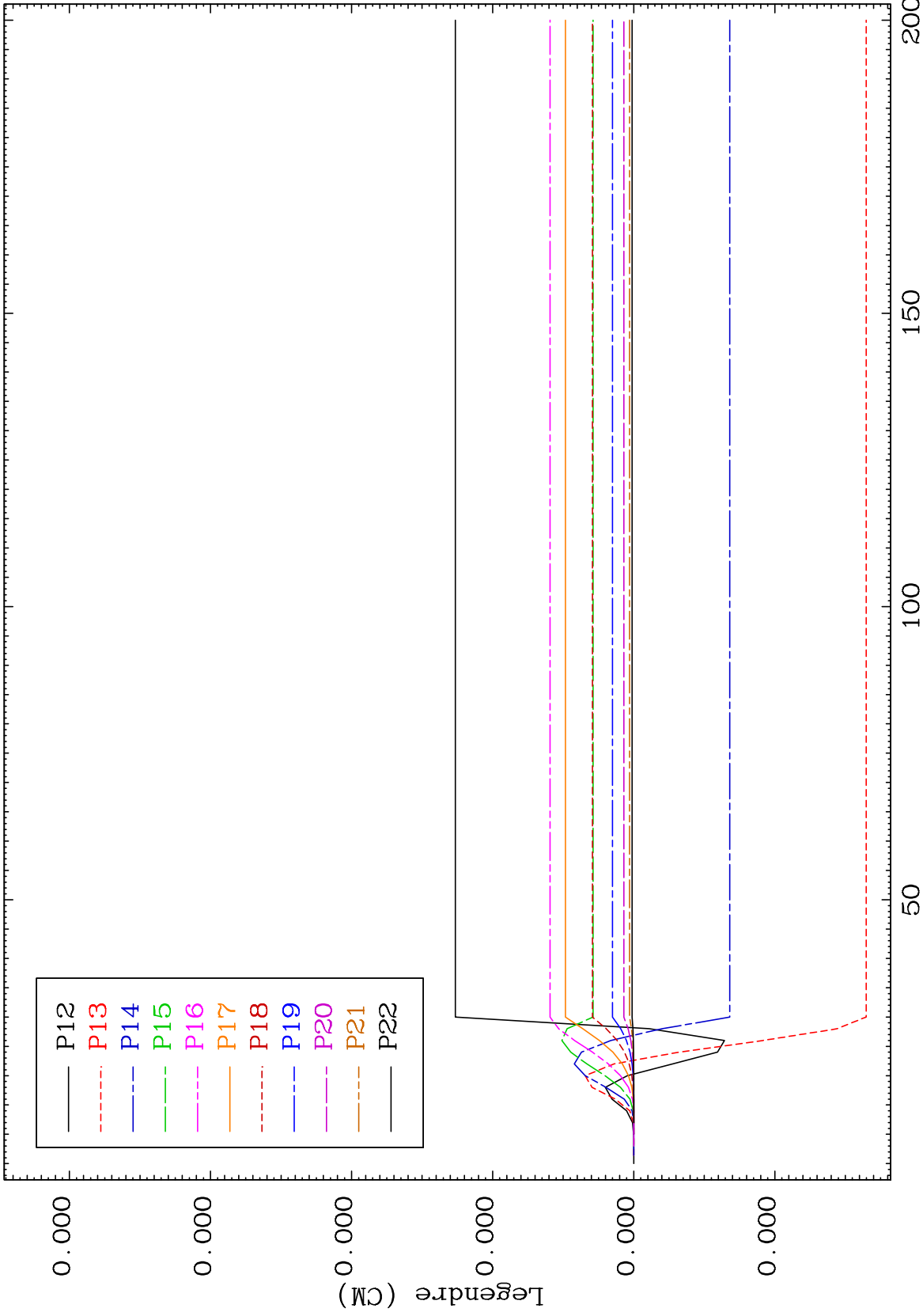
27-Co-57



48

Incident Energy (MeV)

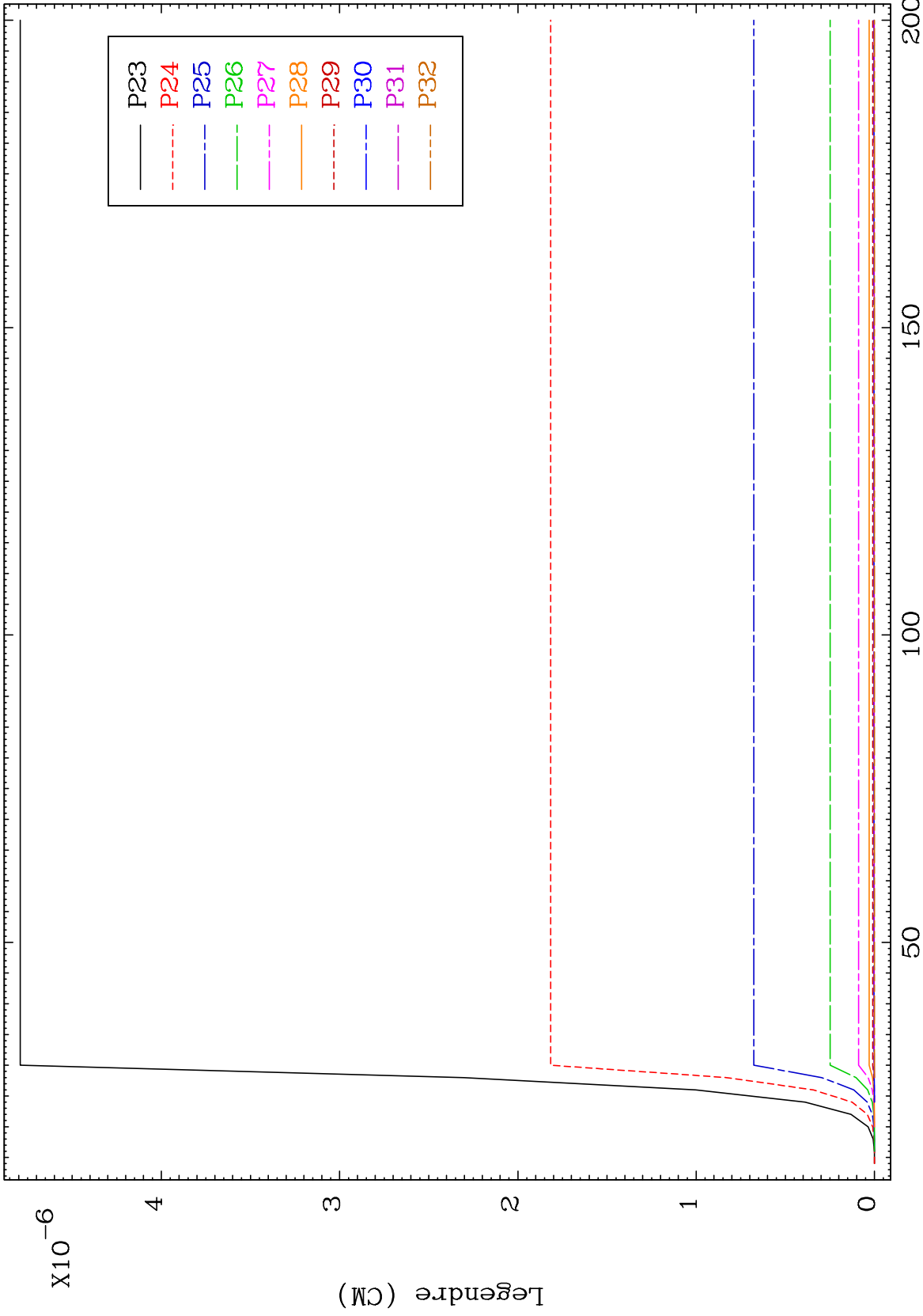
27-Co-57



MAT 2719

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

27-Co-57



50

50

100

150

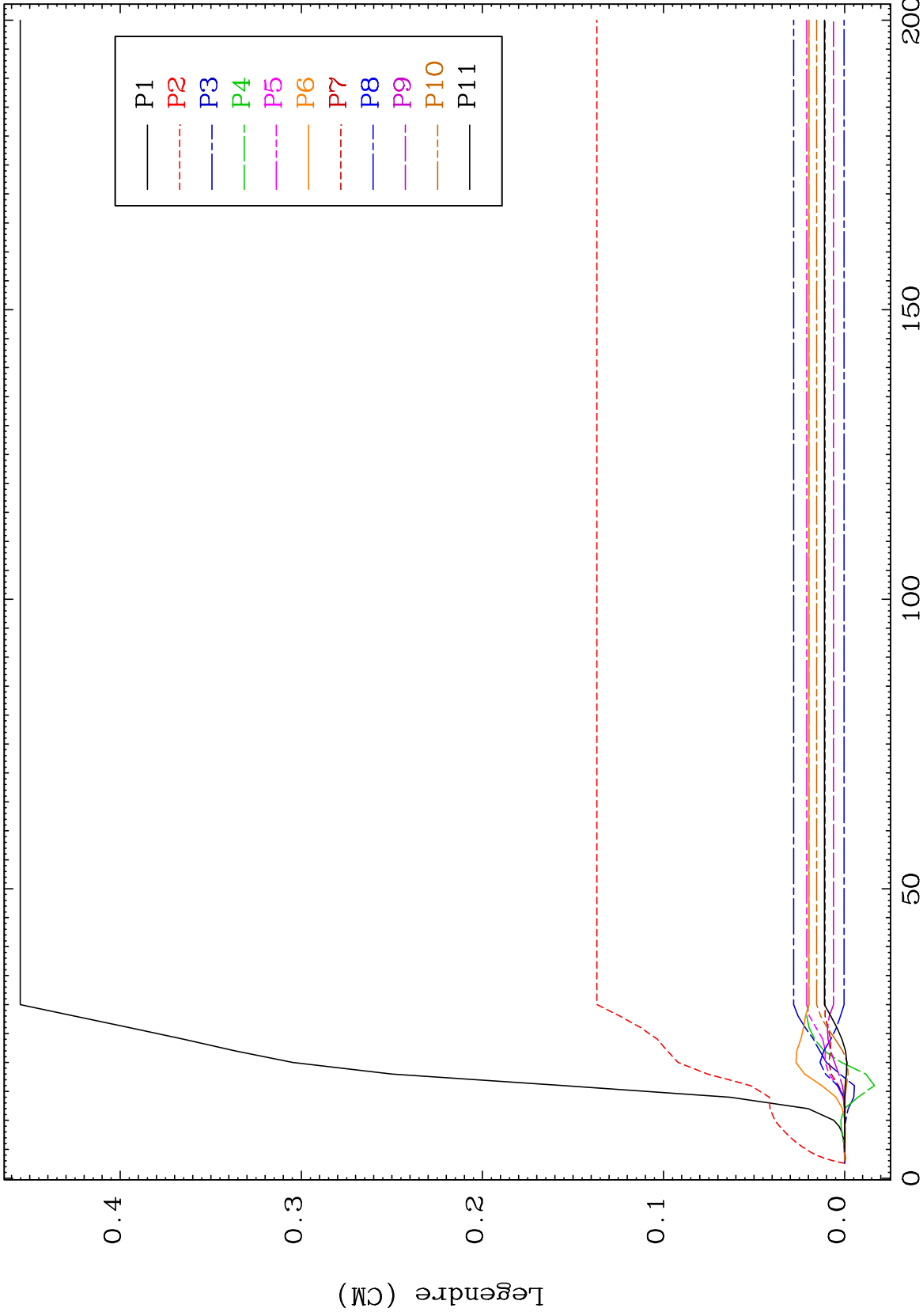
200

27-Co-57

MAT 2719

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

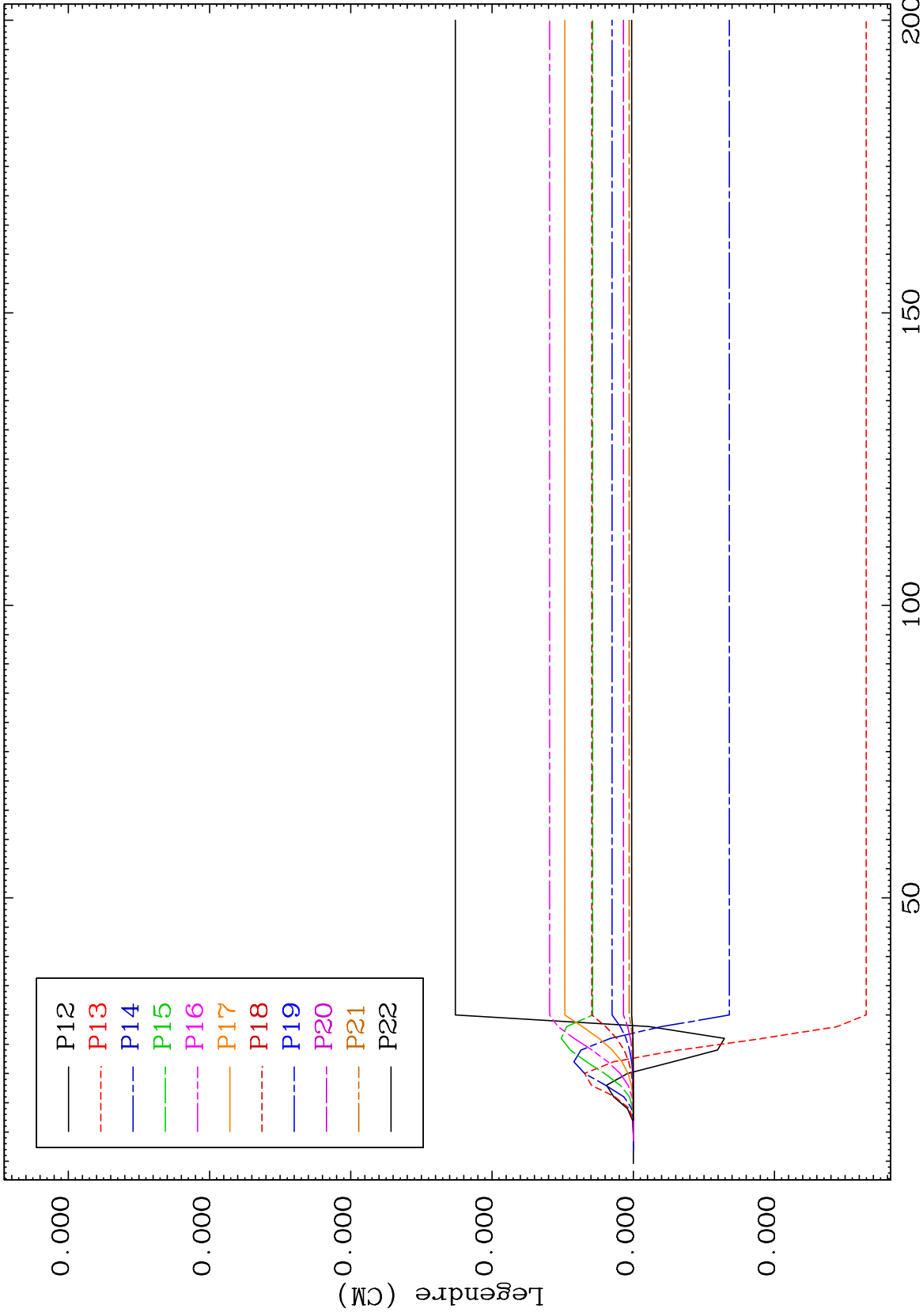
27-Co-57



51

Incident Energy (MeV)

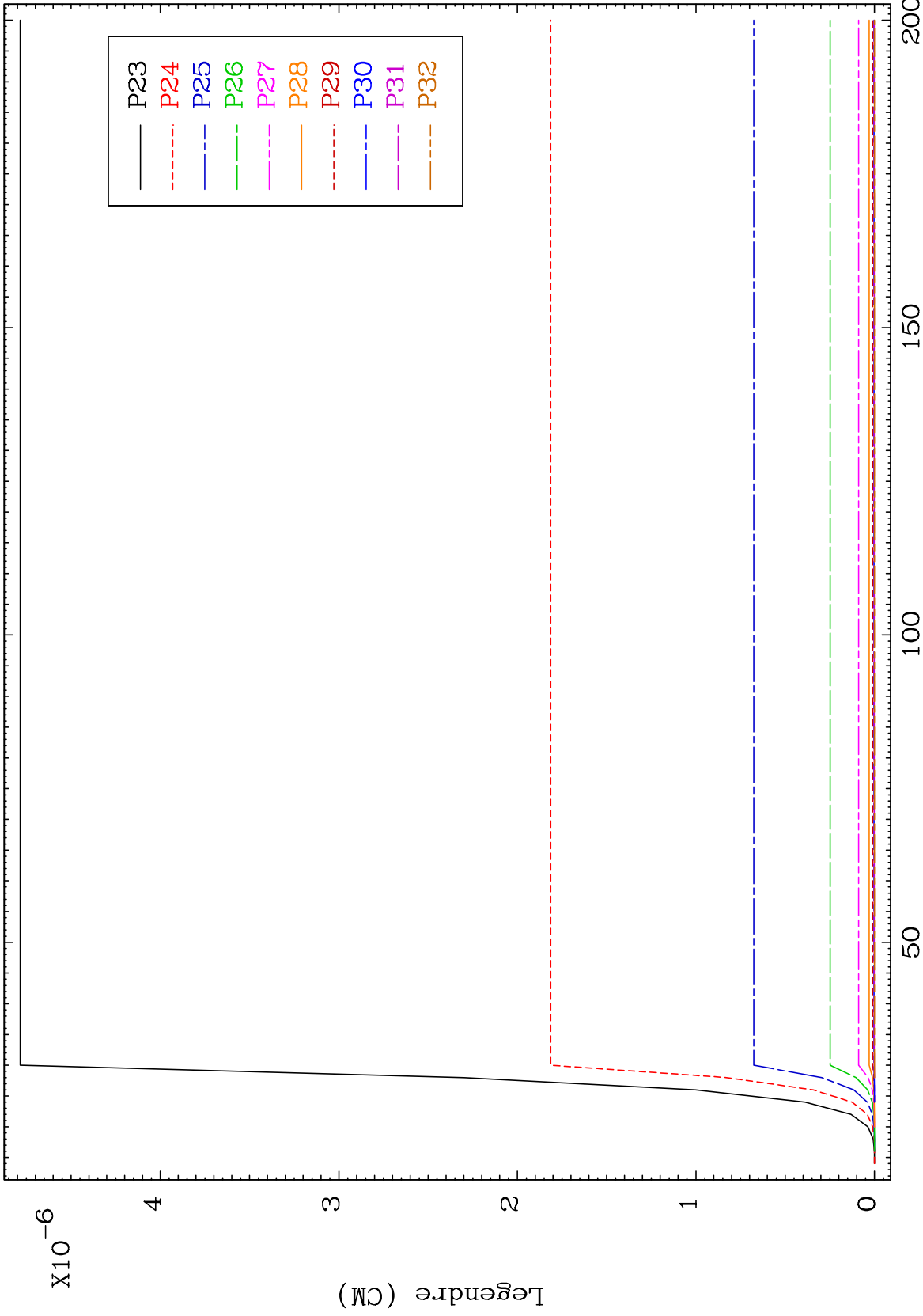
27-Co-57



MAT 2719

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

27-Co-57



53

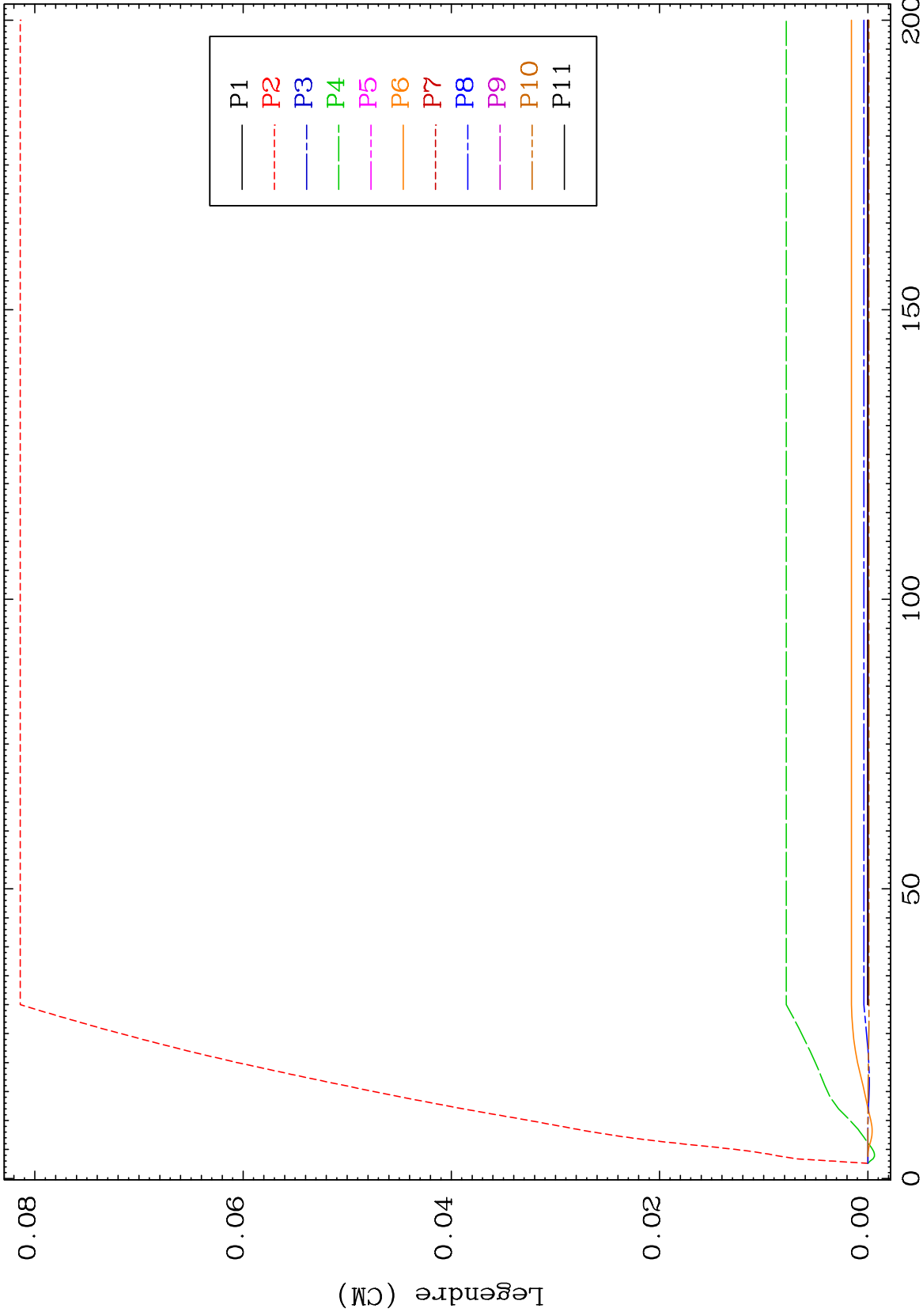
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



54

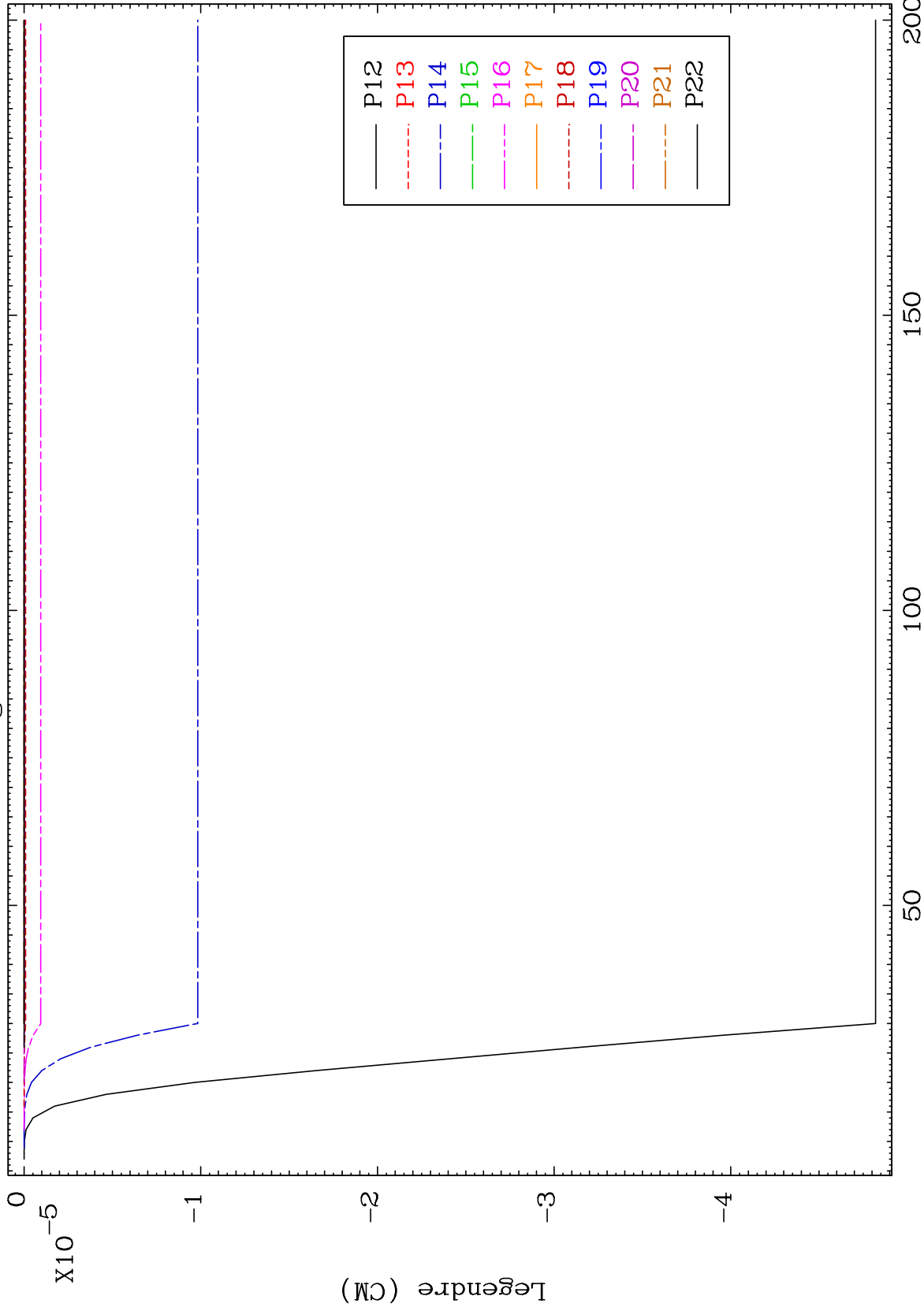
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



55

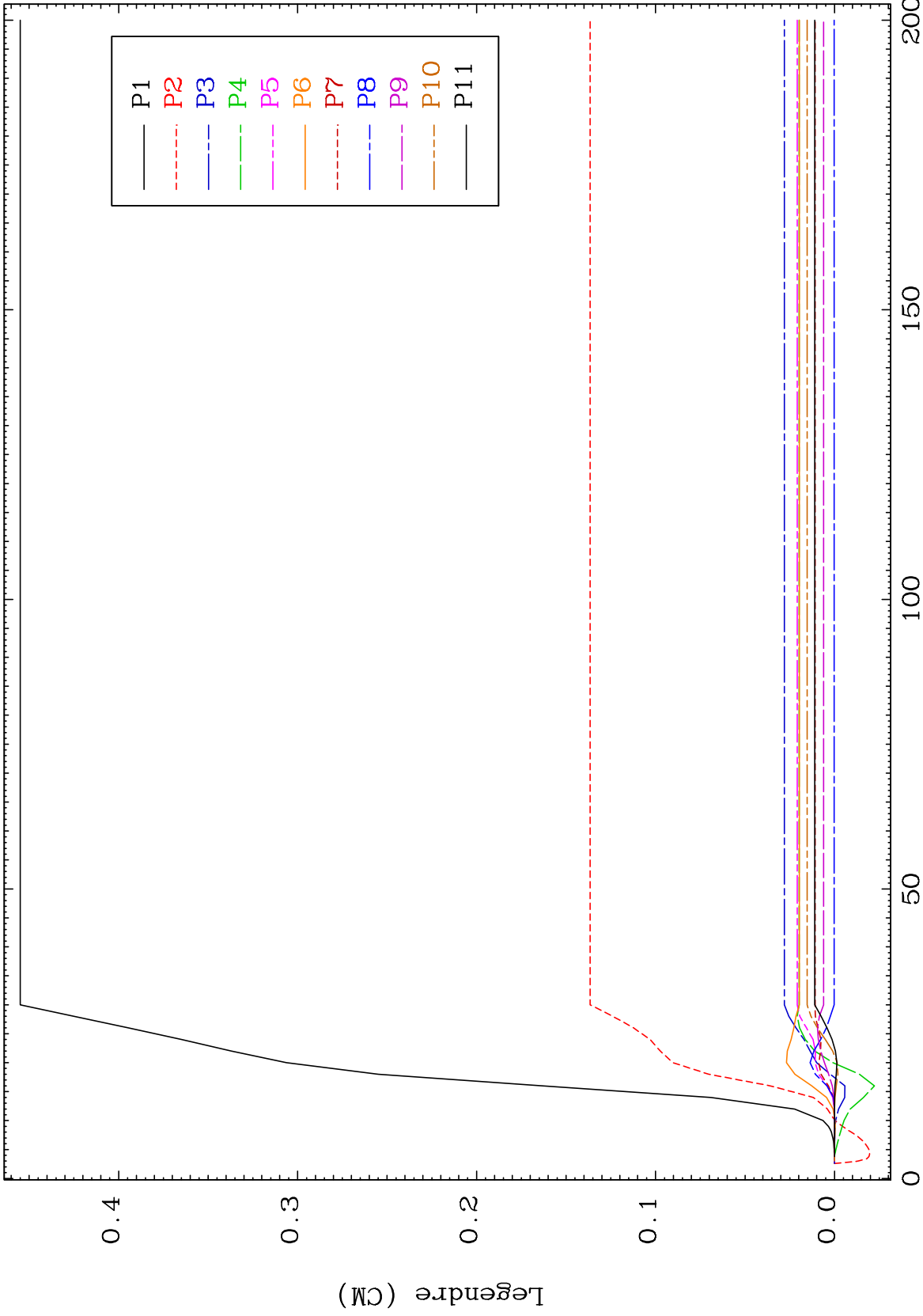
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



56

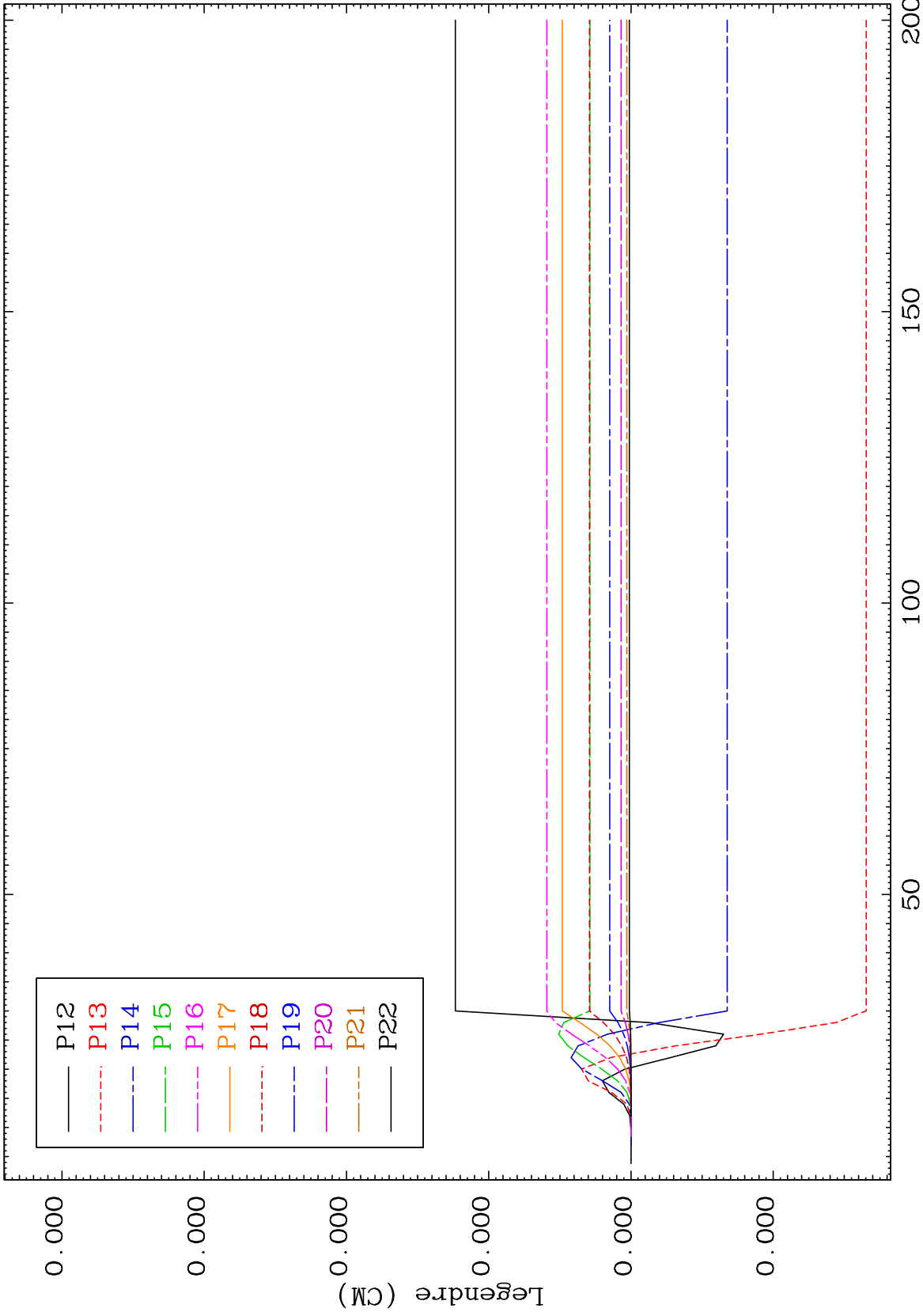
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



57

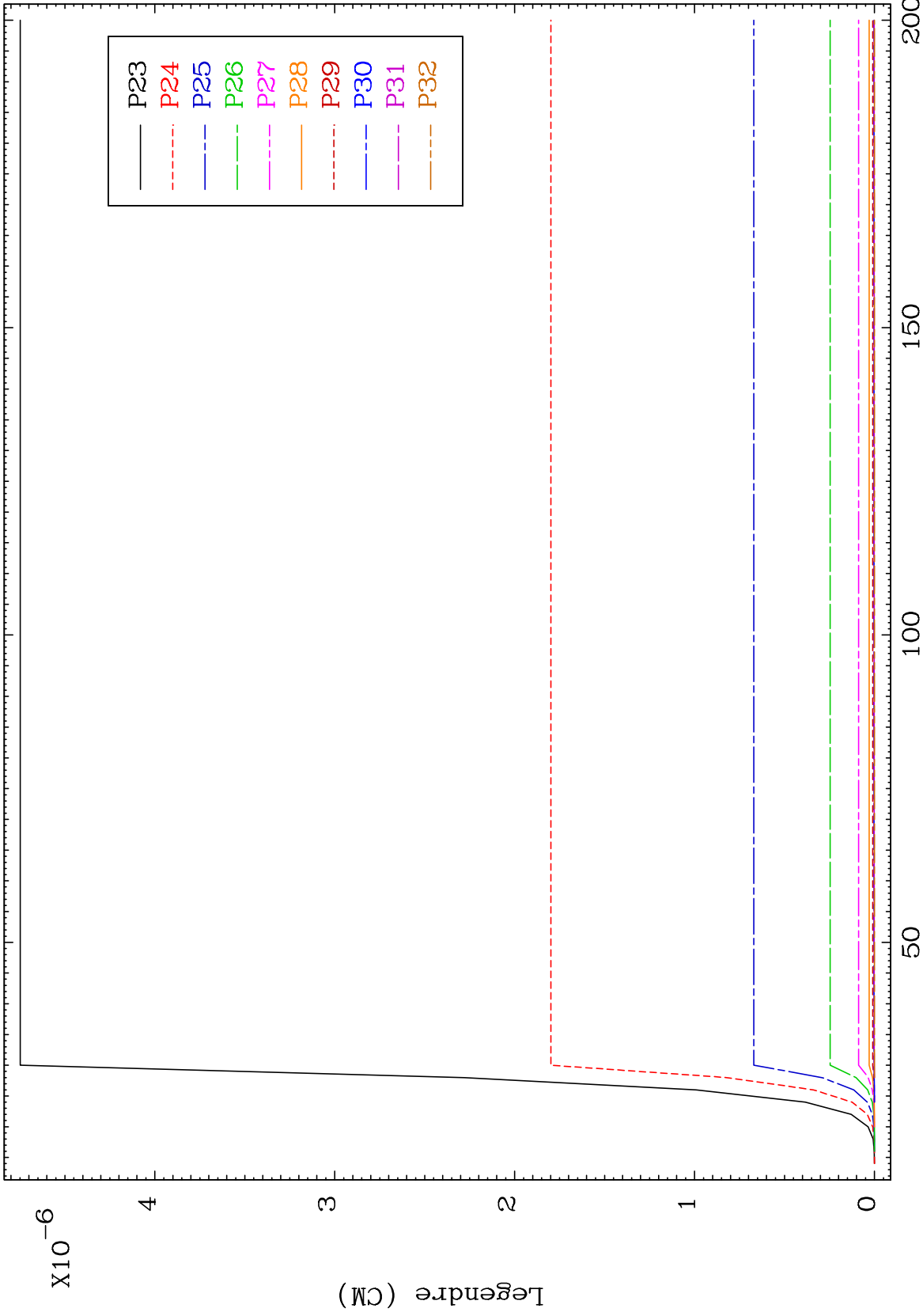
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



58

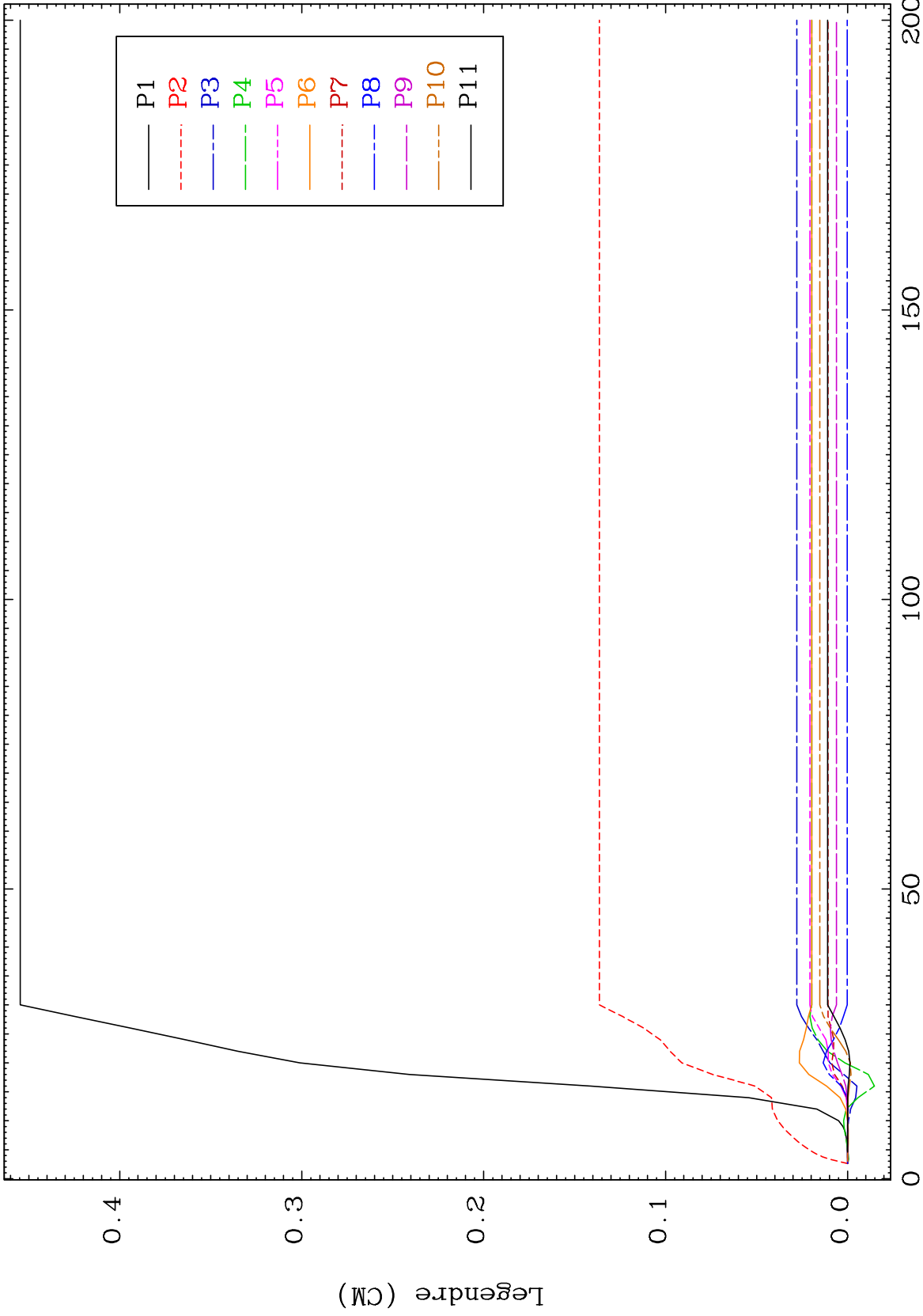
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



59

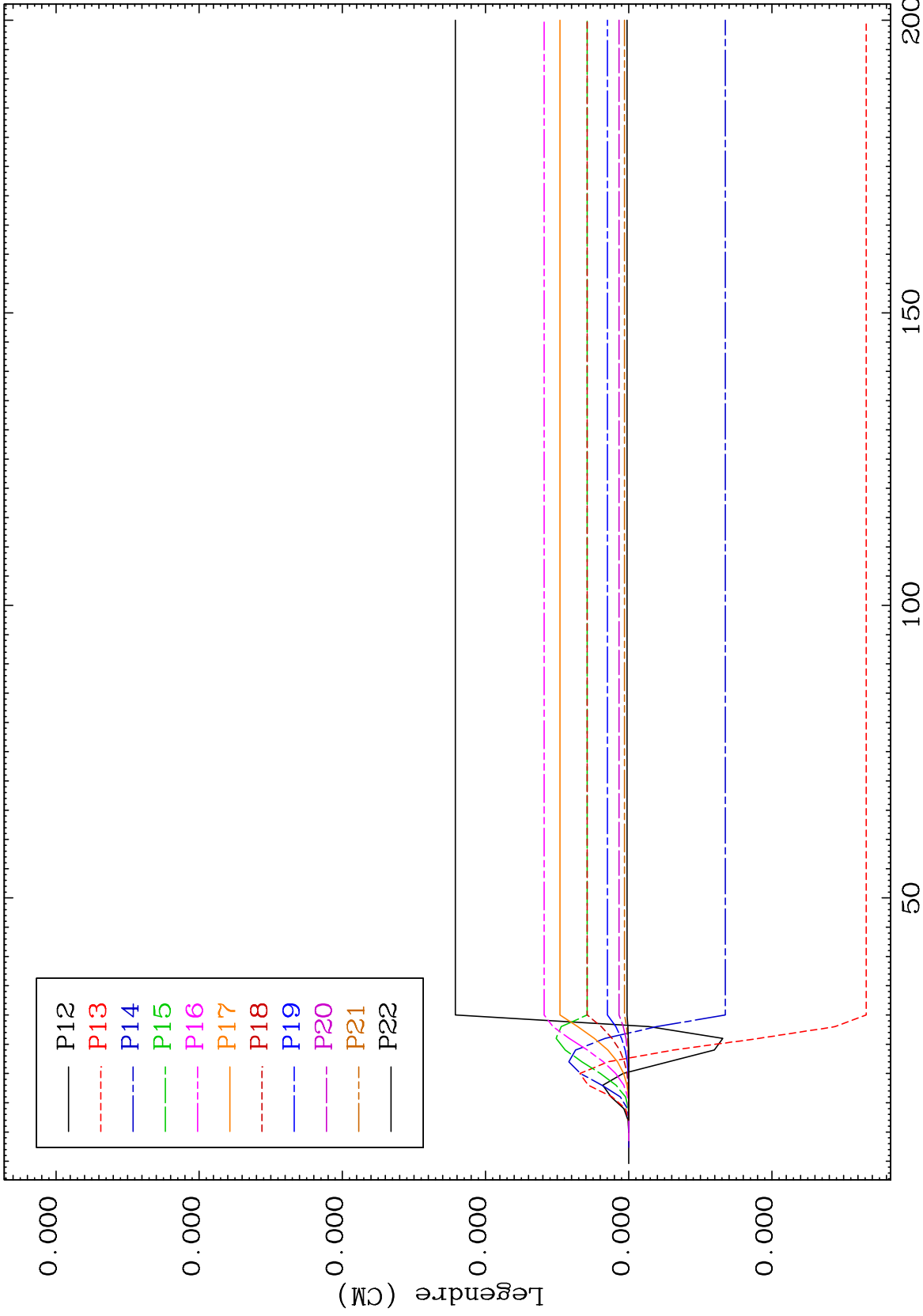
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



60

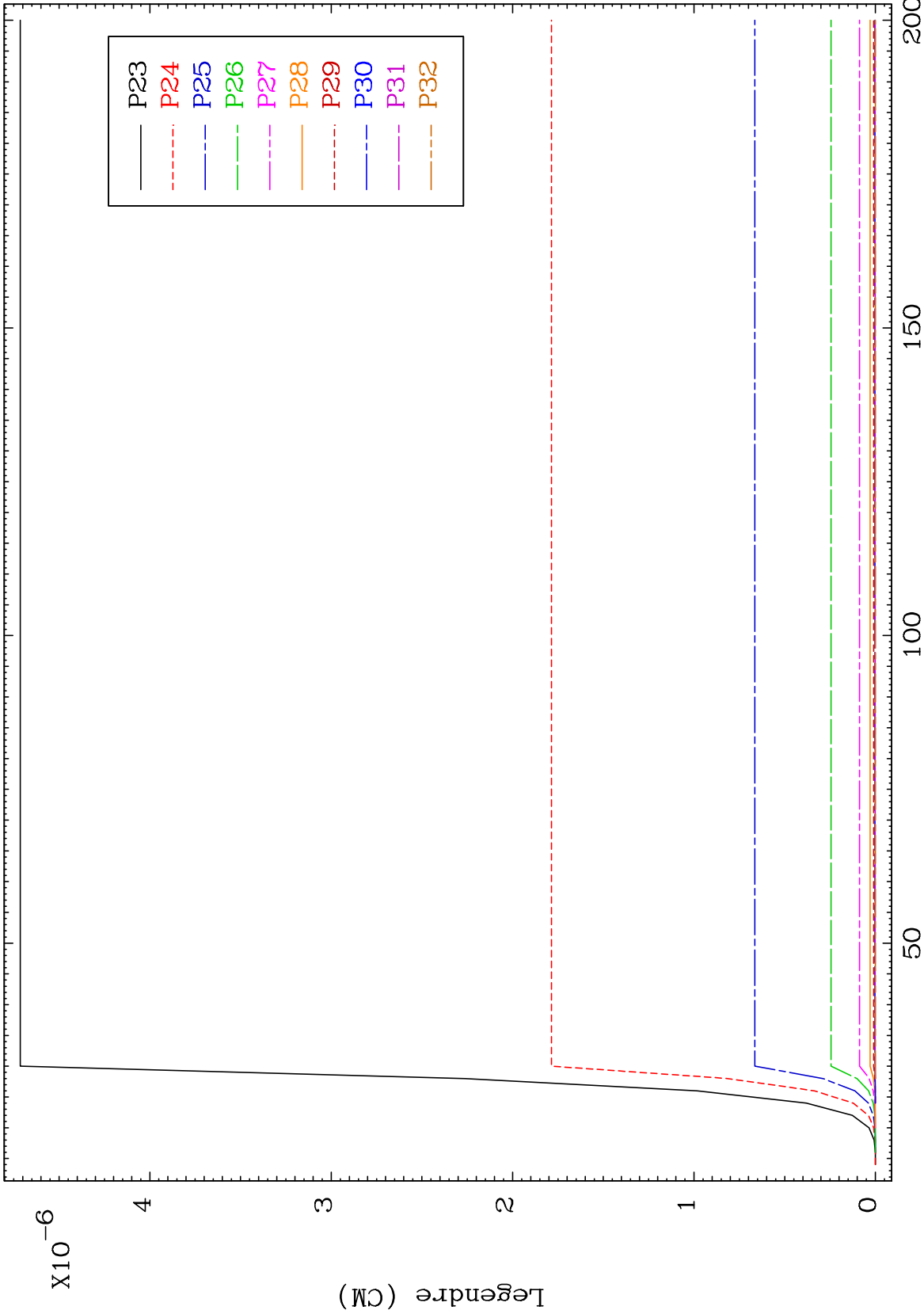
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



61

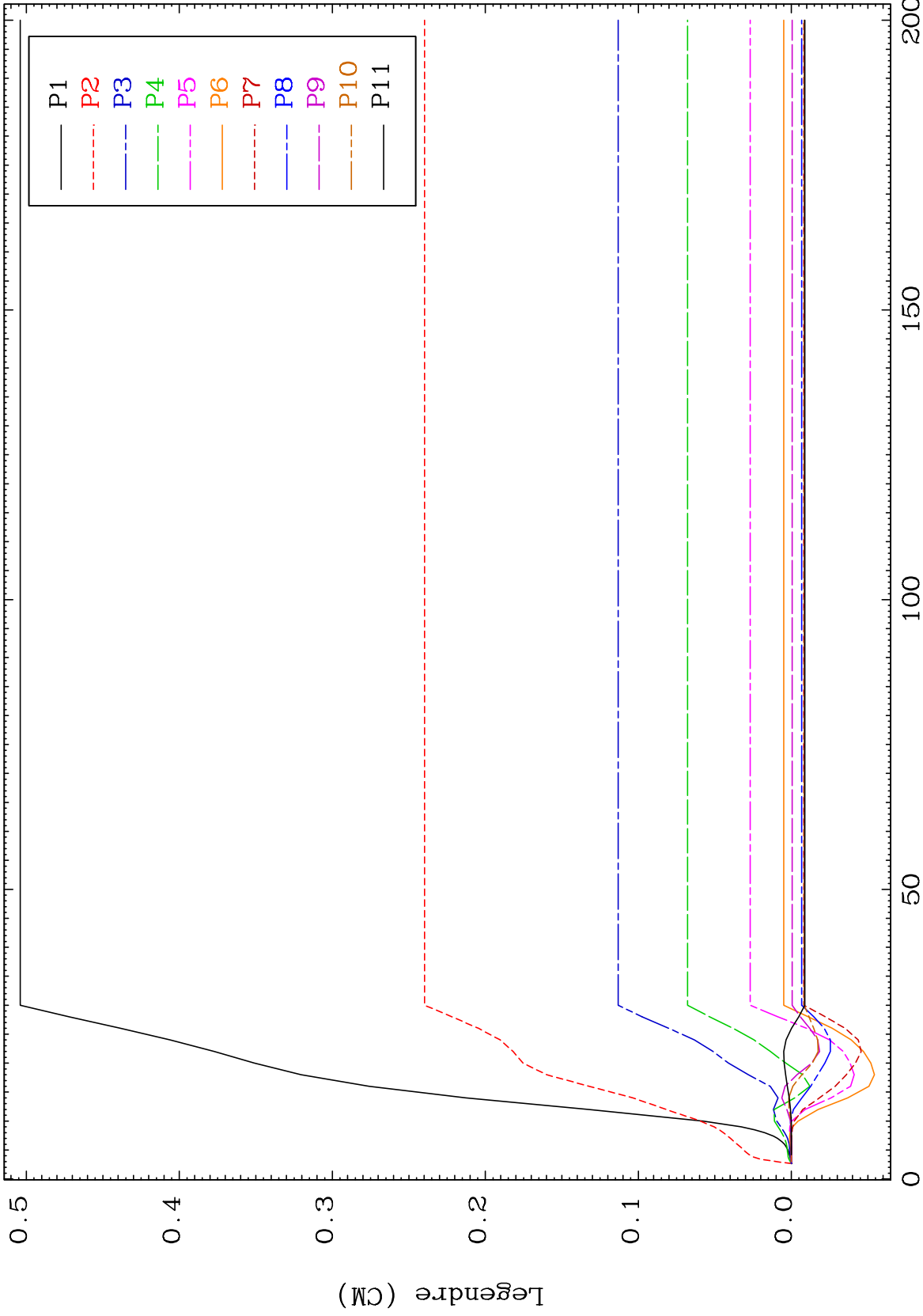
Incident Energy (MeV)

27-Co-57

MAT 2719

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

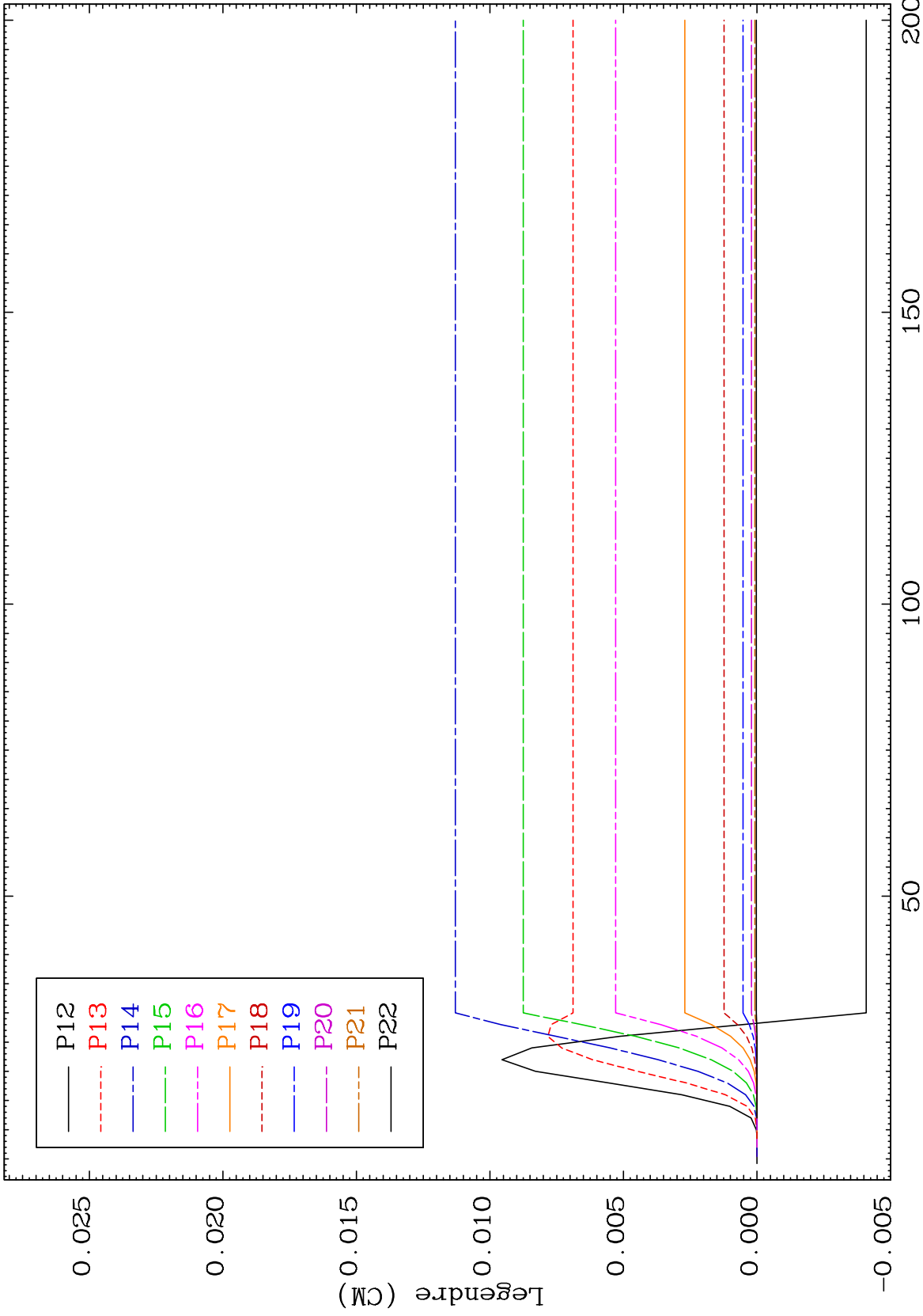
27-Co-57



62

Incident Energy (MeV)

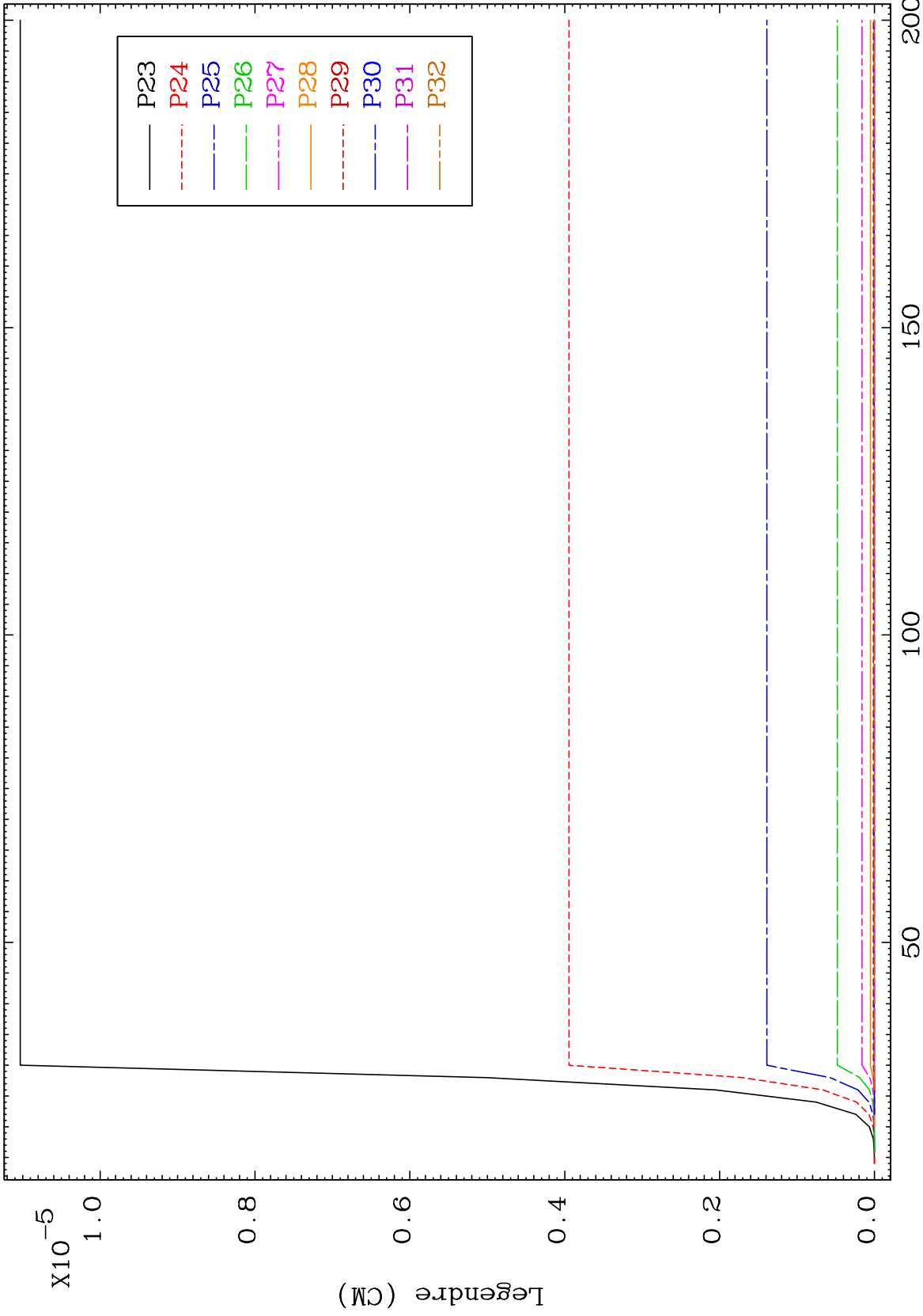
27-Co-57



MAT 2719

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

27-Co-57



64

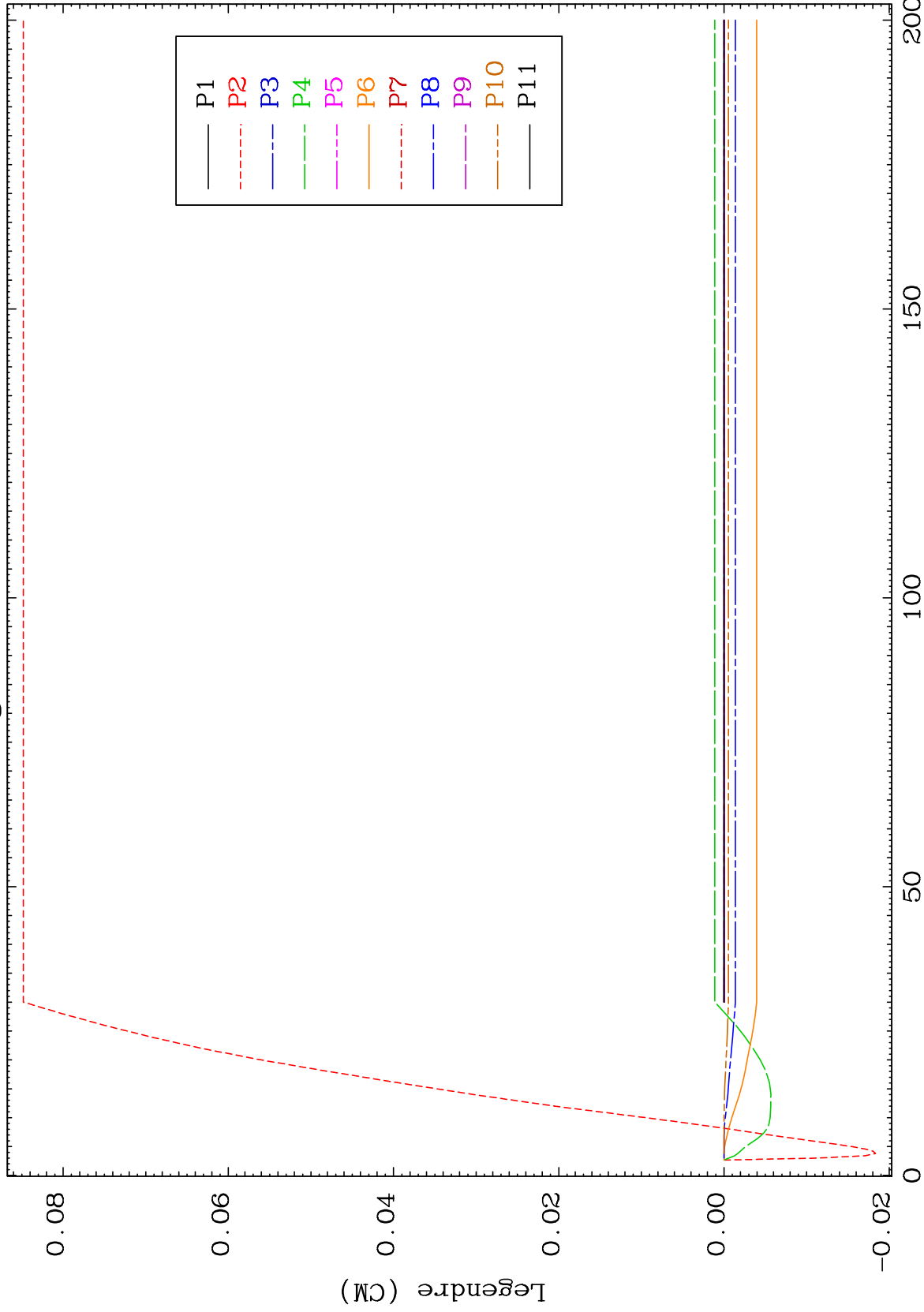
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



65

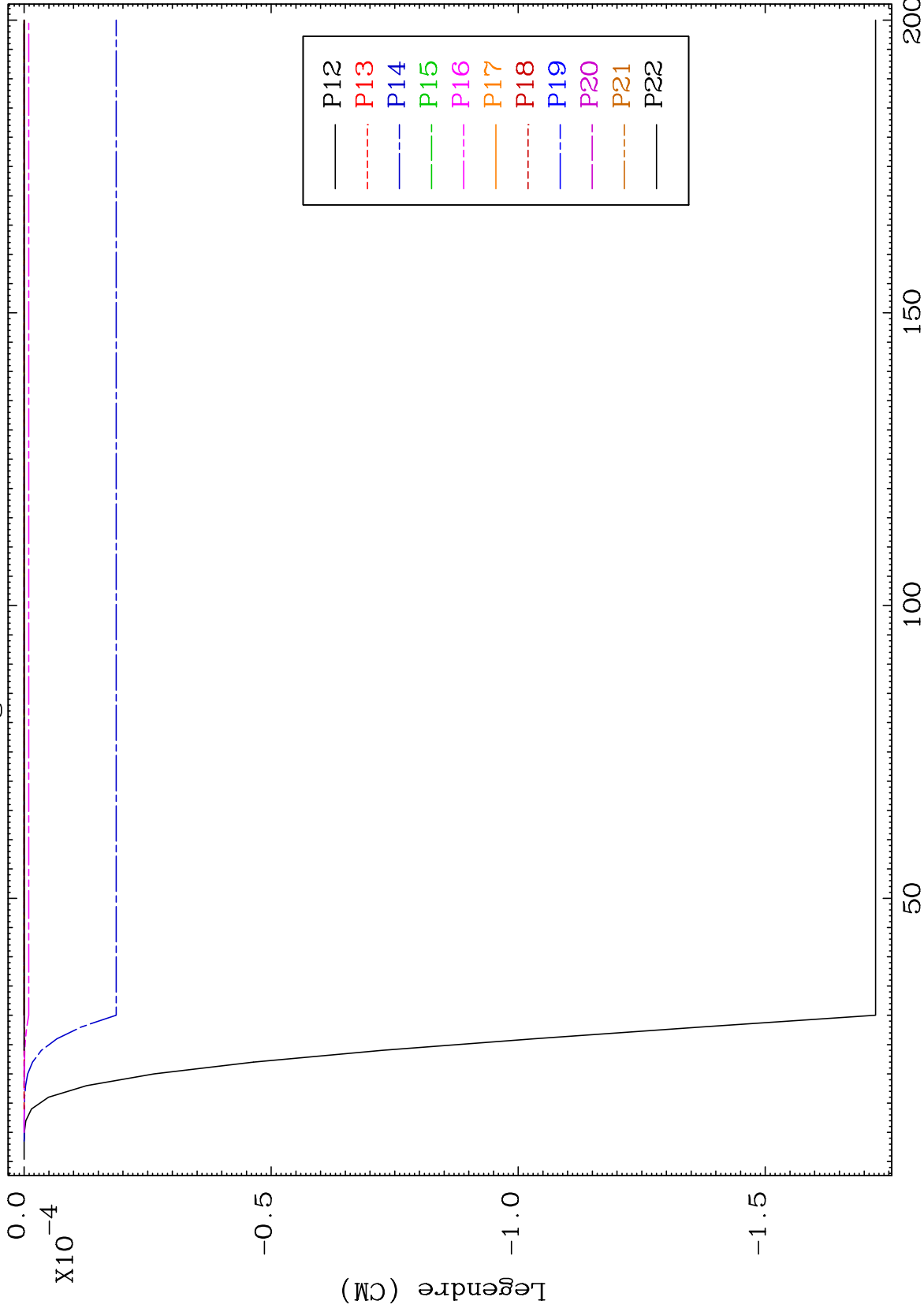
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



66

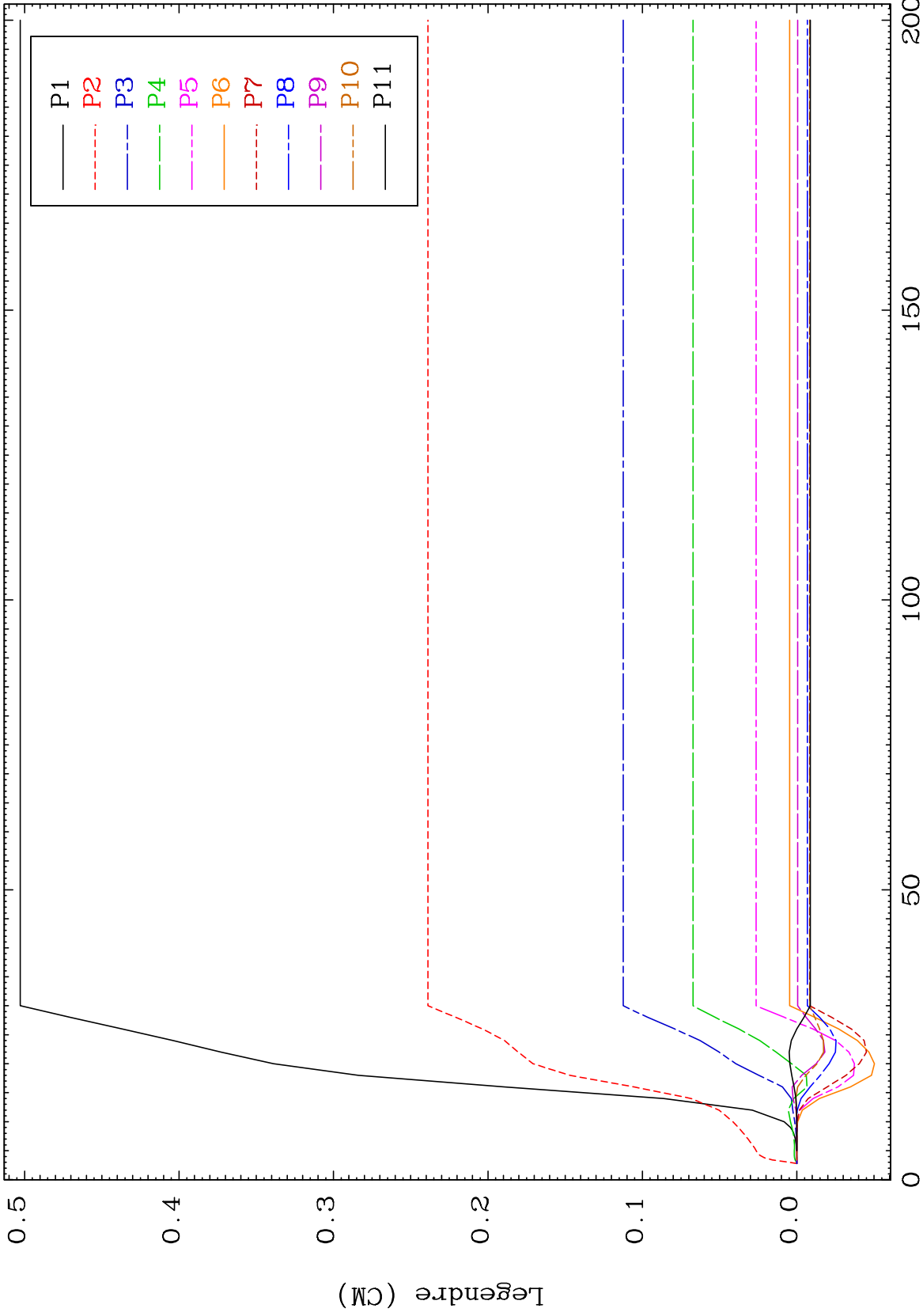
Incident Energy (MeV)

27-Co-57

MAT 2719

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

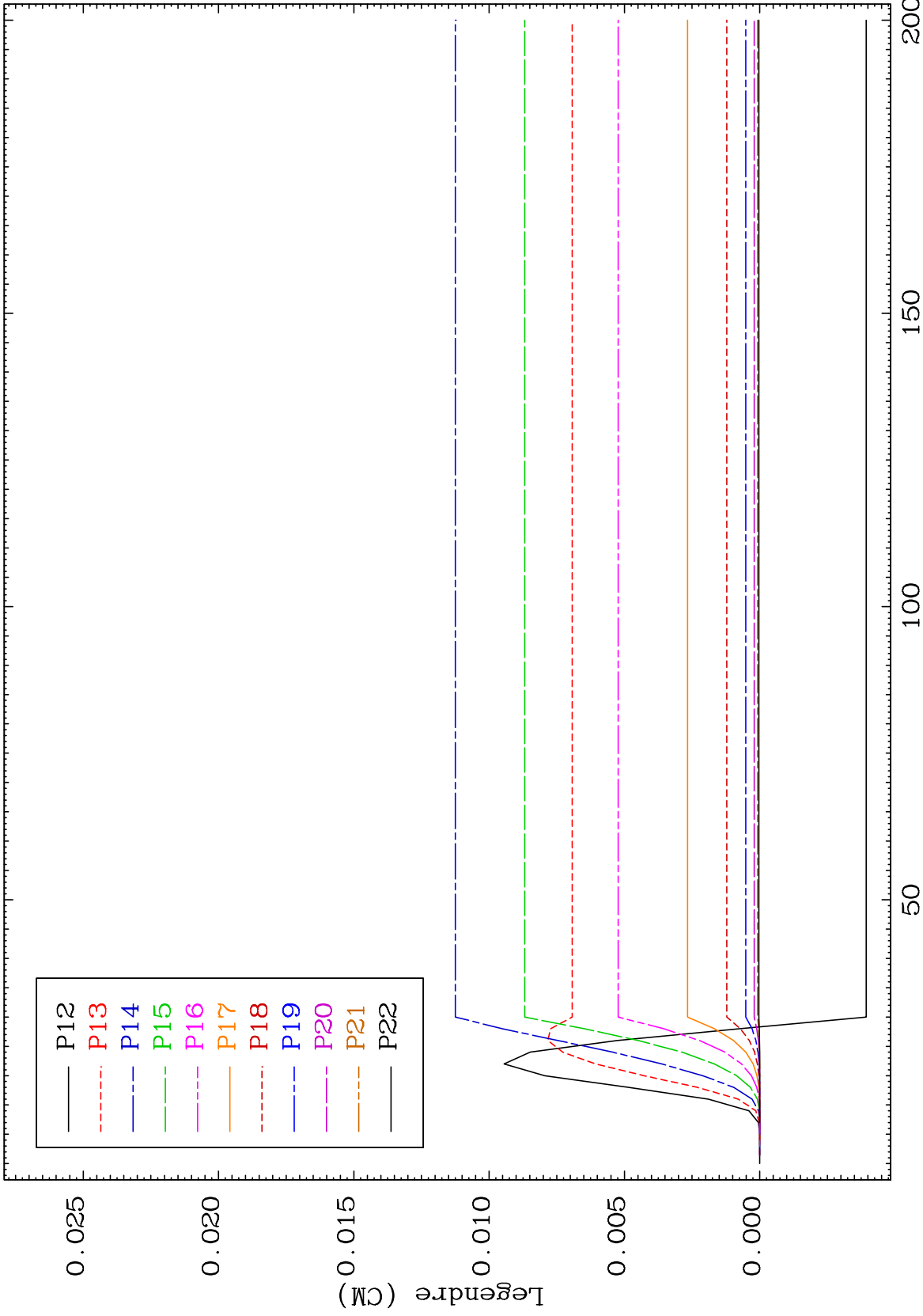
27-Co-57



67

Incident Energy (MeV)

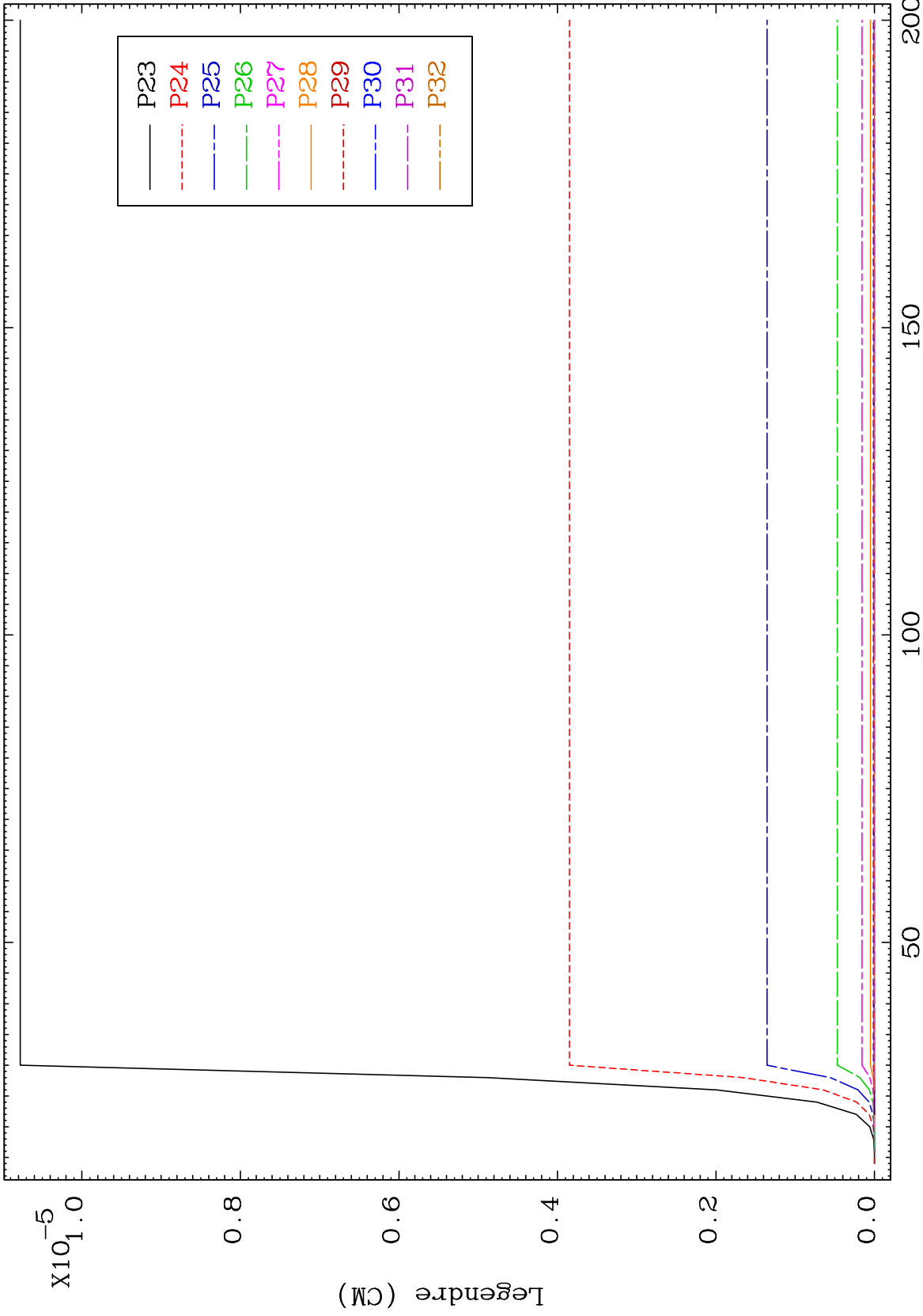
27-Co-57



MAT 2719

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

27-Co-57



69

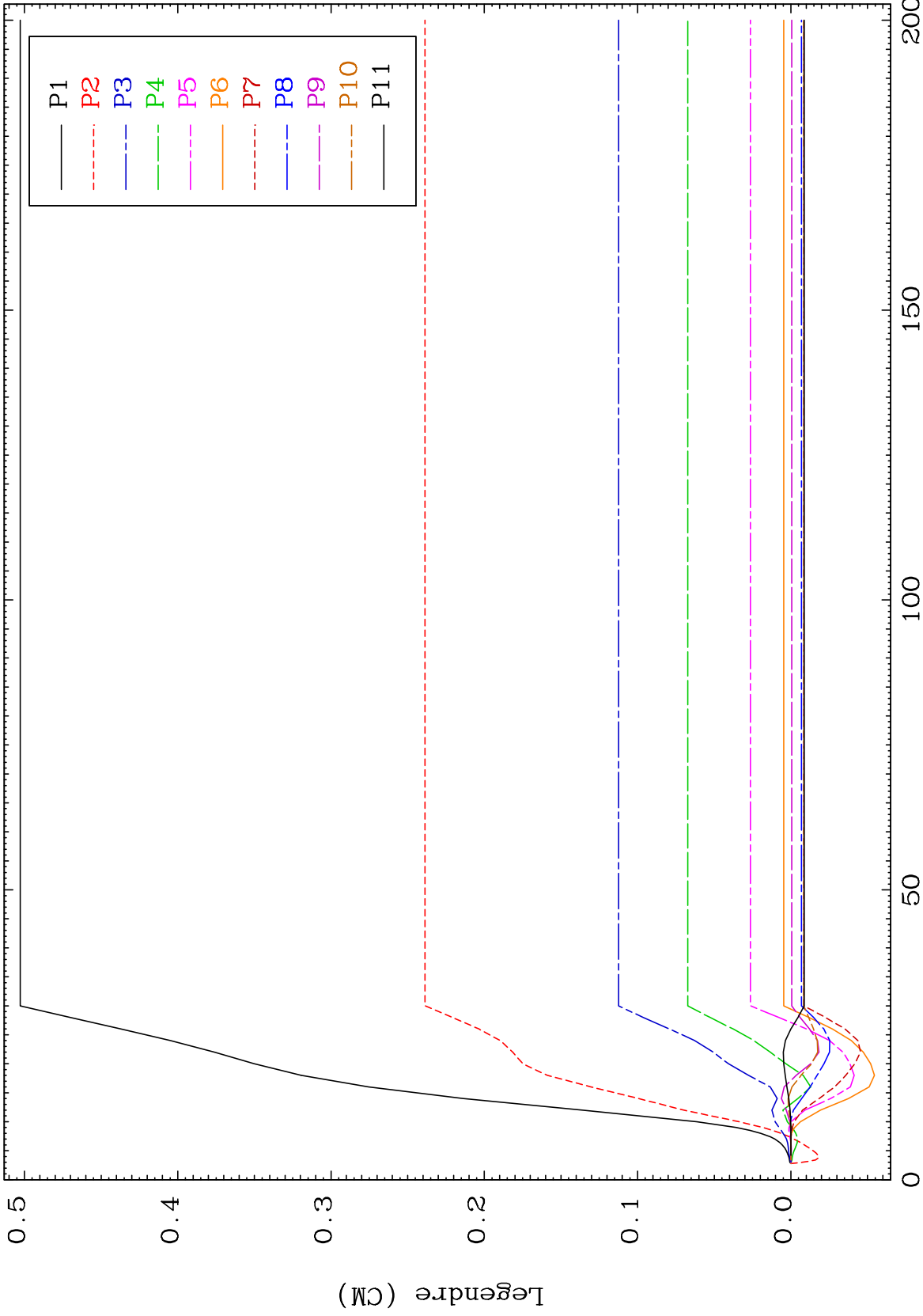
Incident Energy (MeV)

27-Co-57

MAT 2719

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

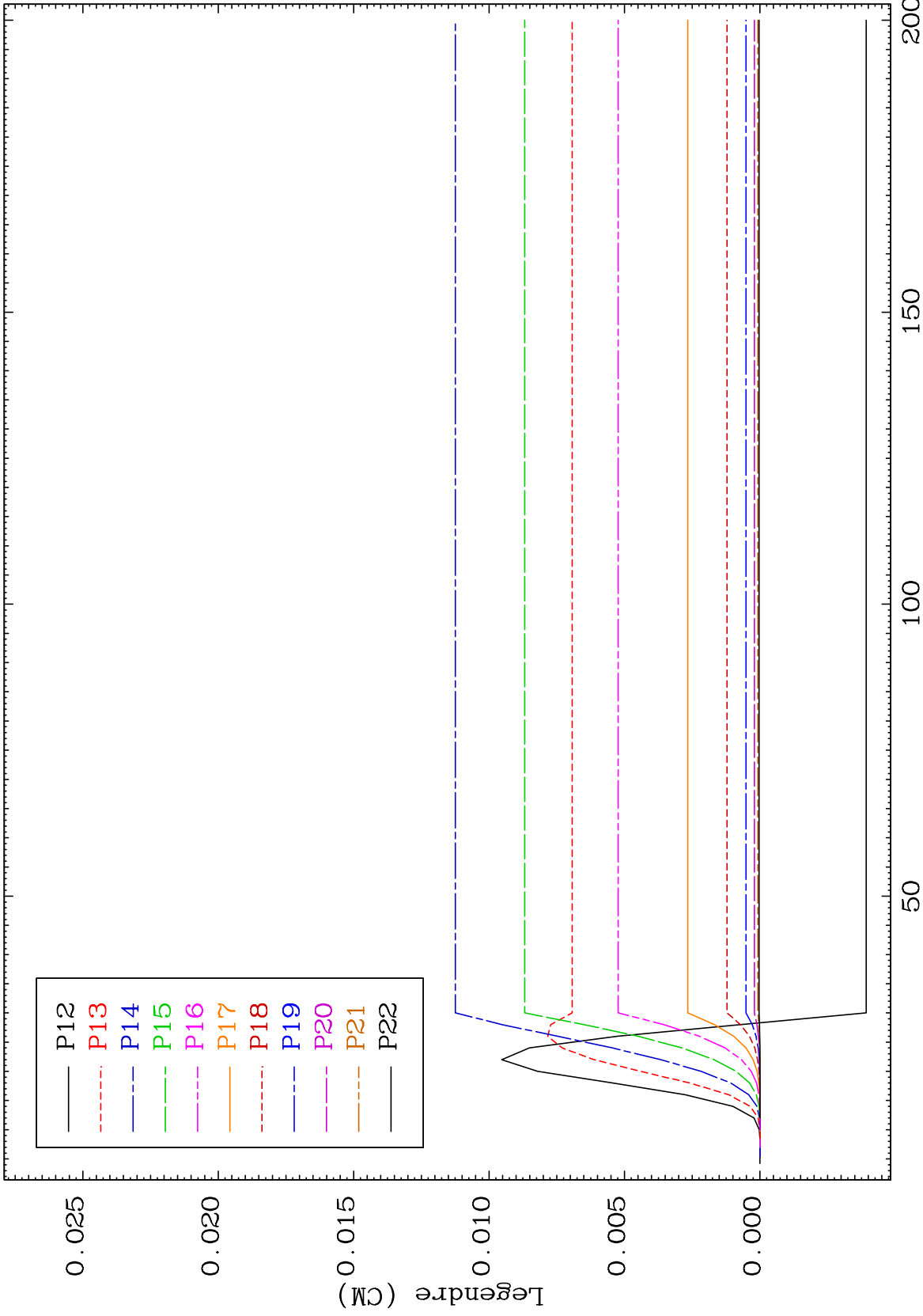
27-Co-57



70

Incident Energy (MeV)

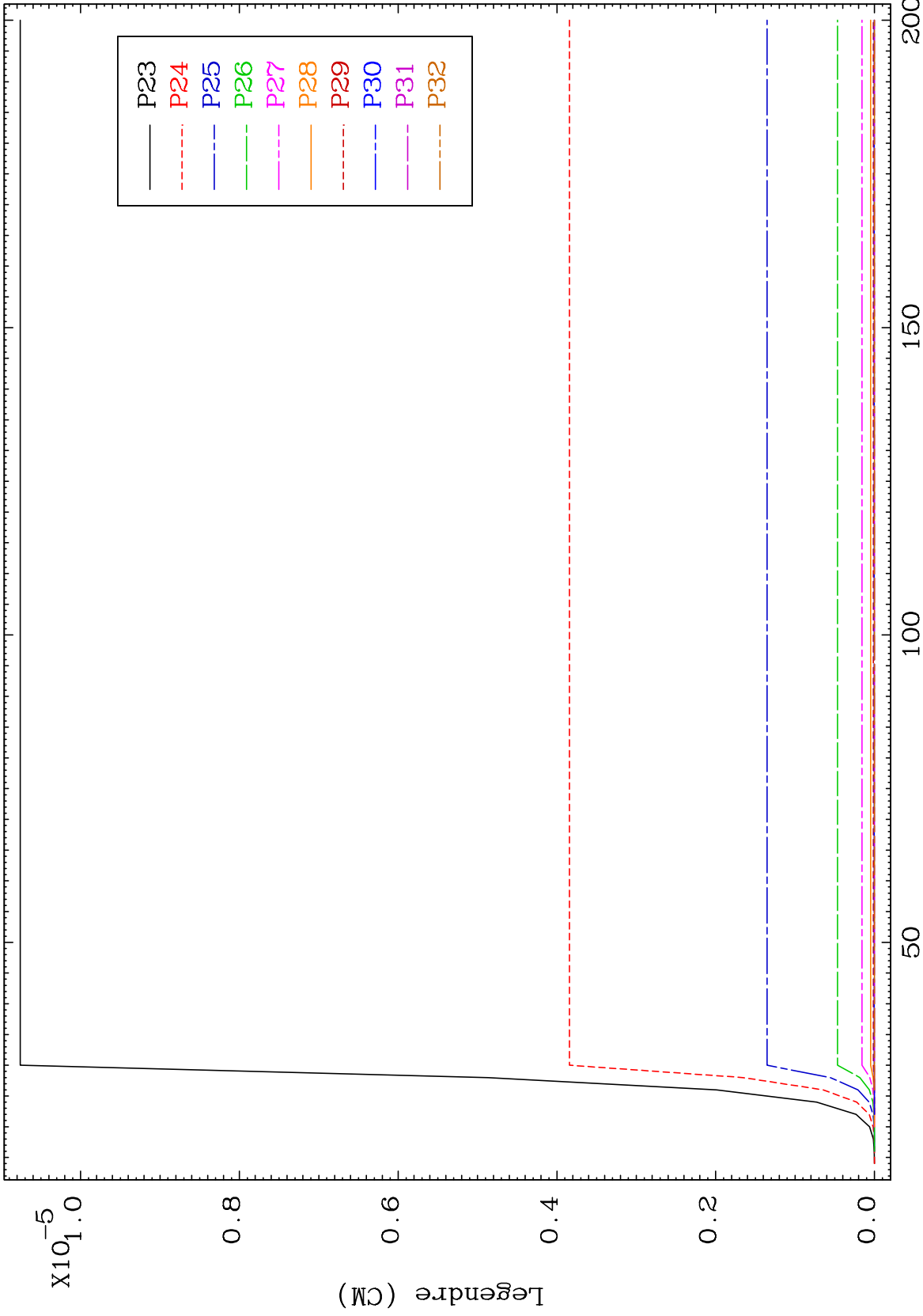
27-Co-57



MAT 2719

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

27-Co-57



72

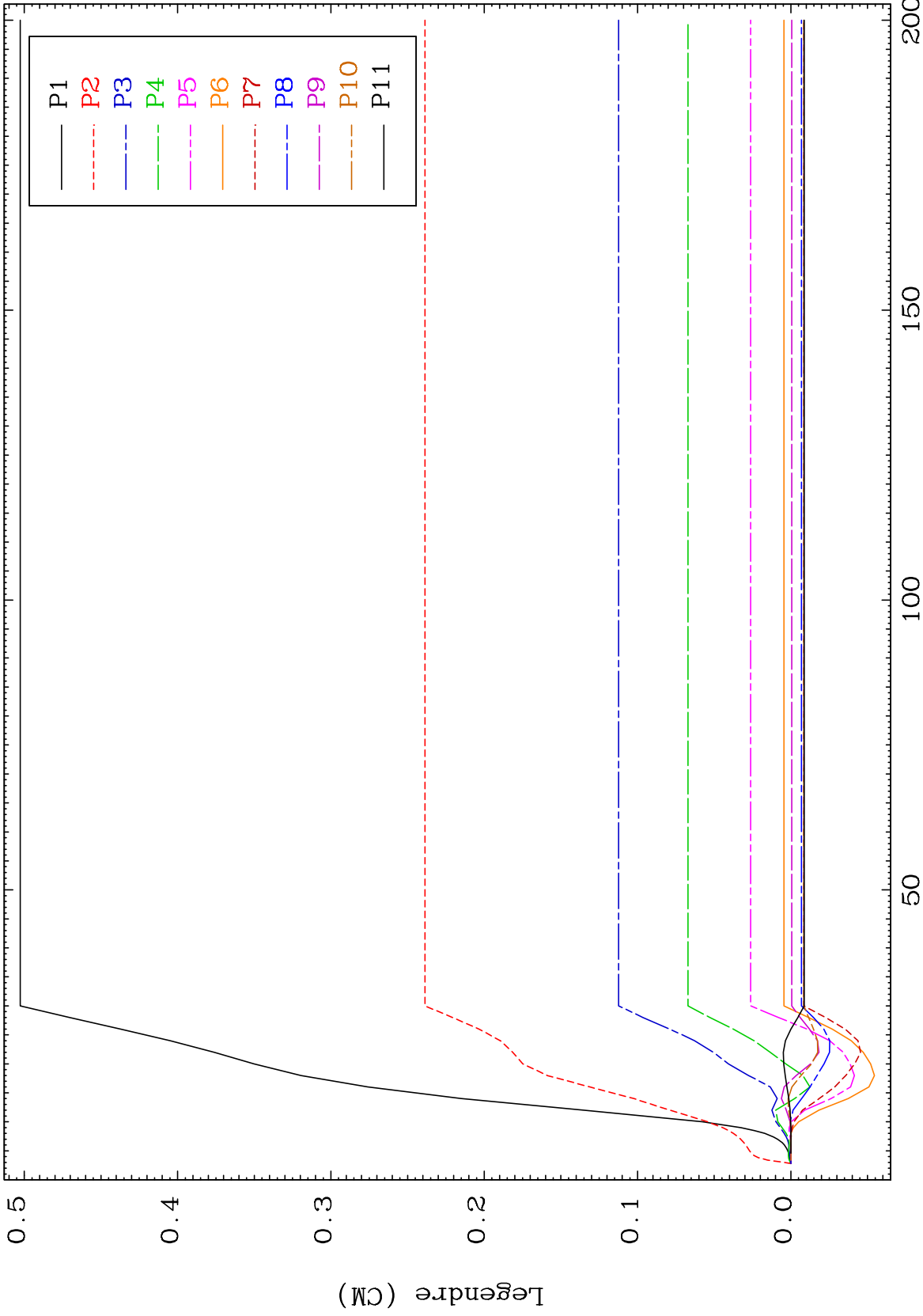
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



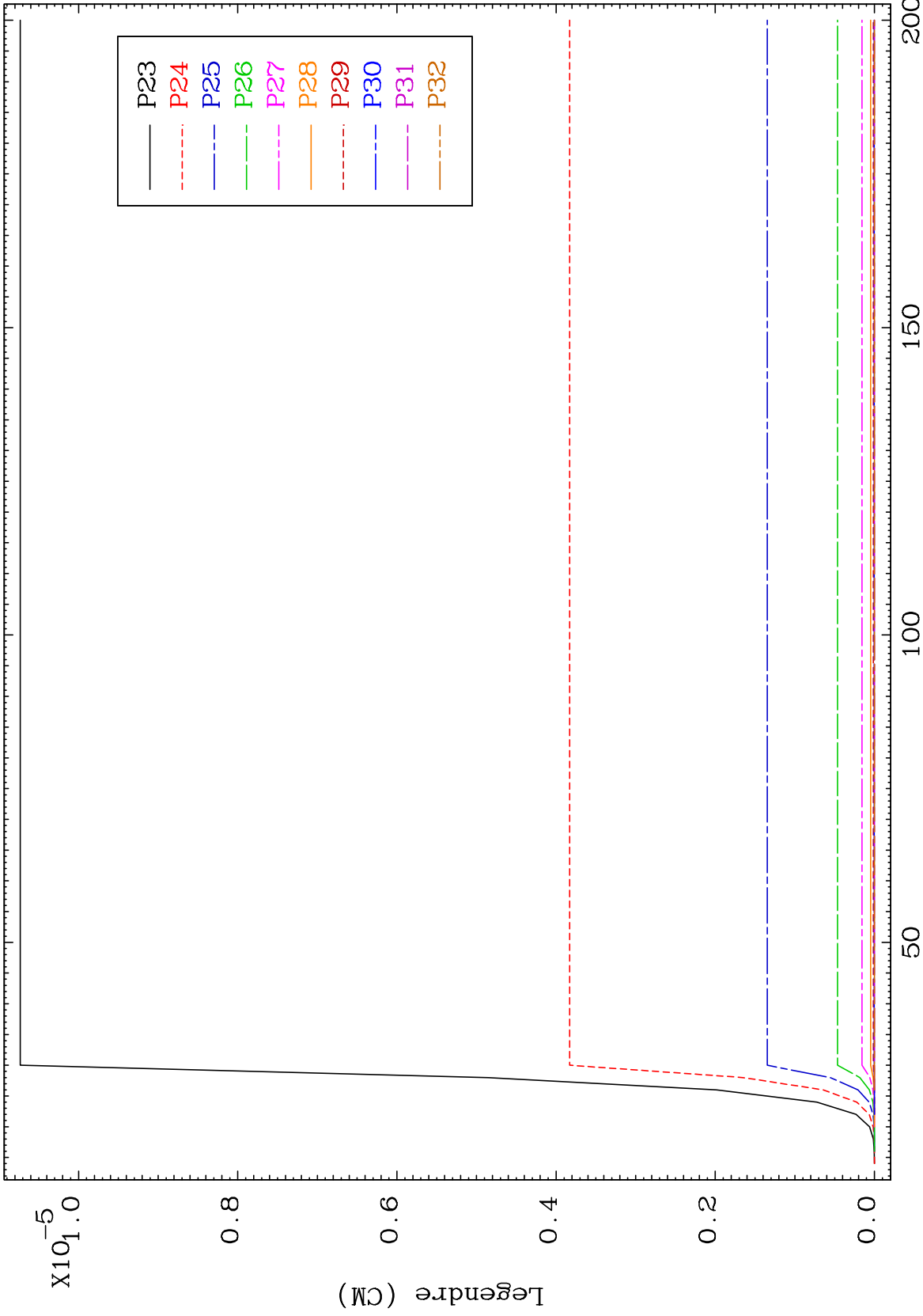
73

27-Co-57

MAT 2719

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

27-Co-57



75

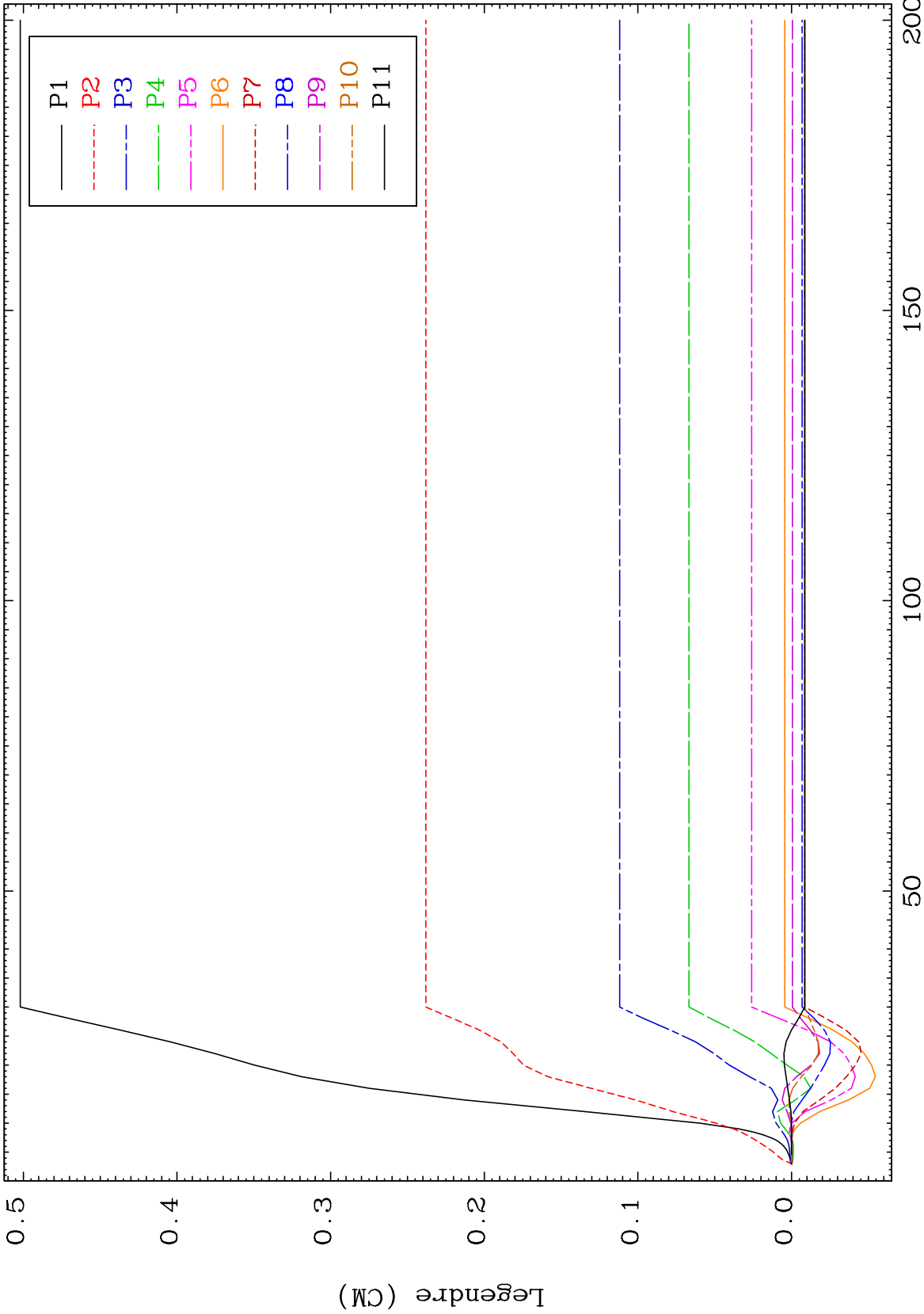
Incident Energy (MeV)

27-Co-57

MAT 2719

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

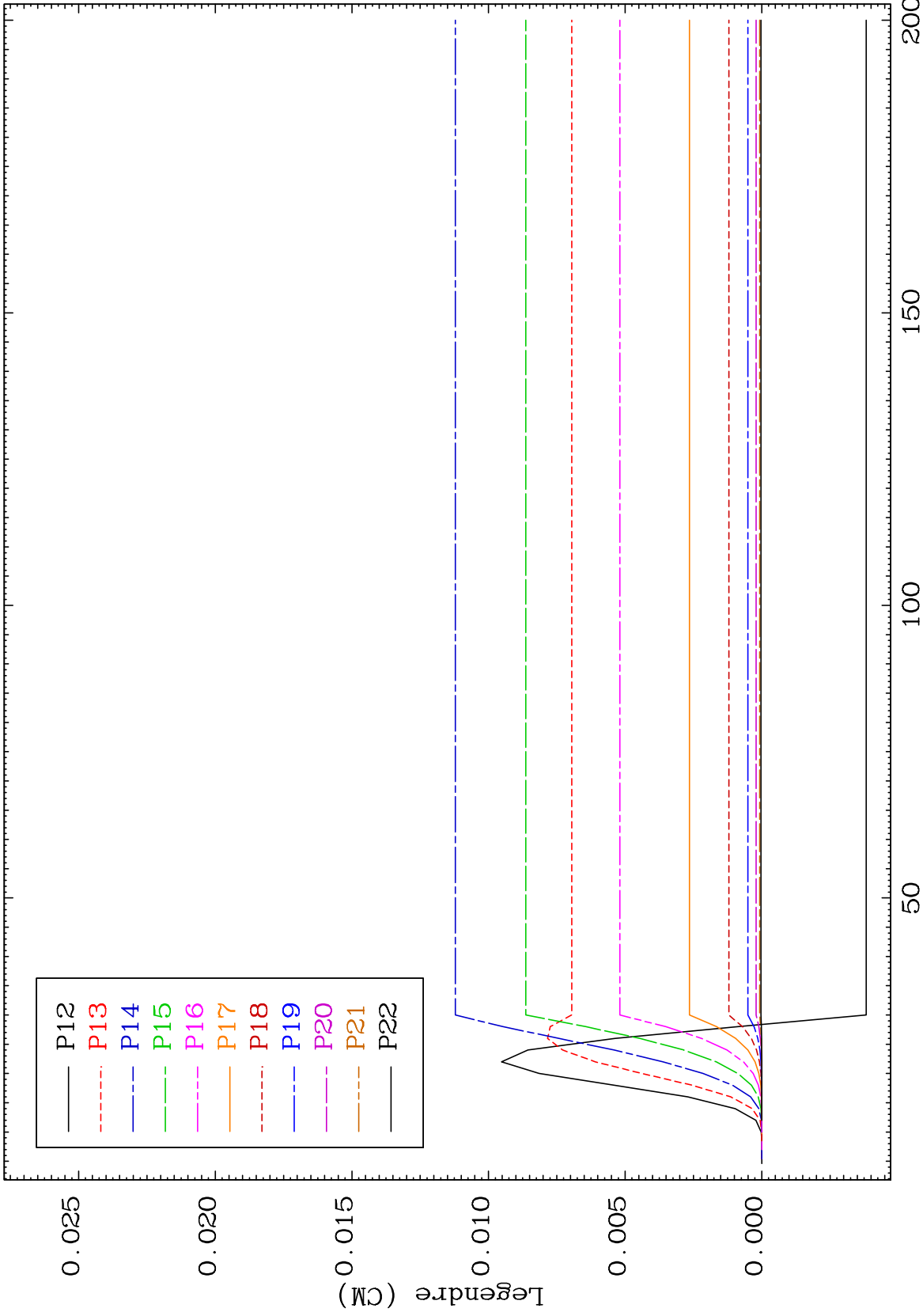
27-Co-57



76

Incident Energy (MeV)

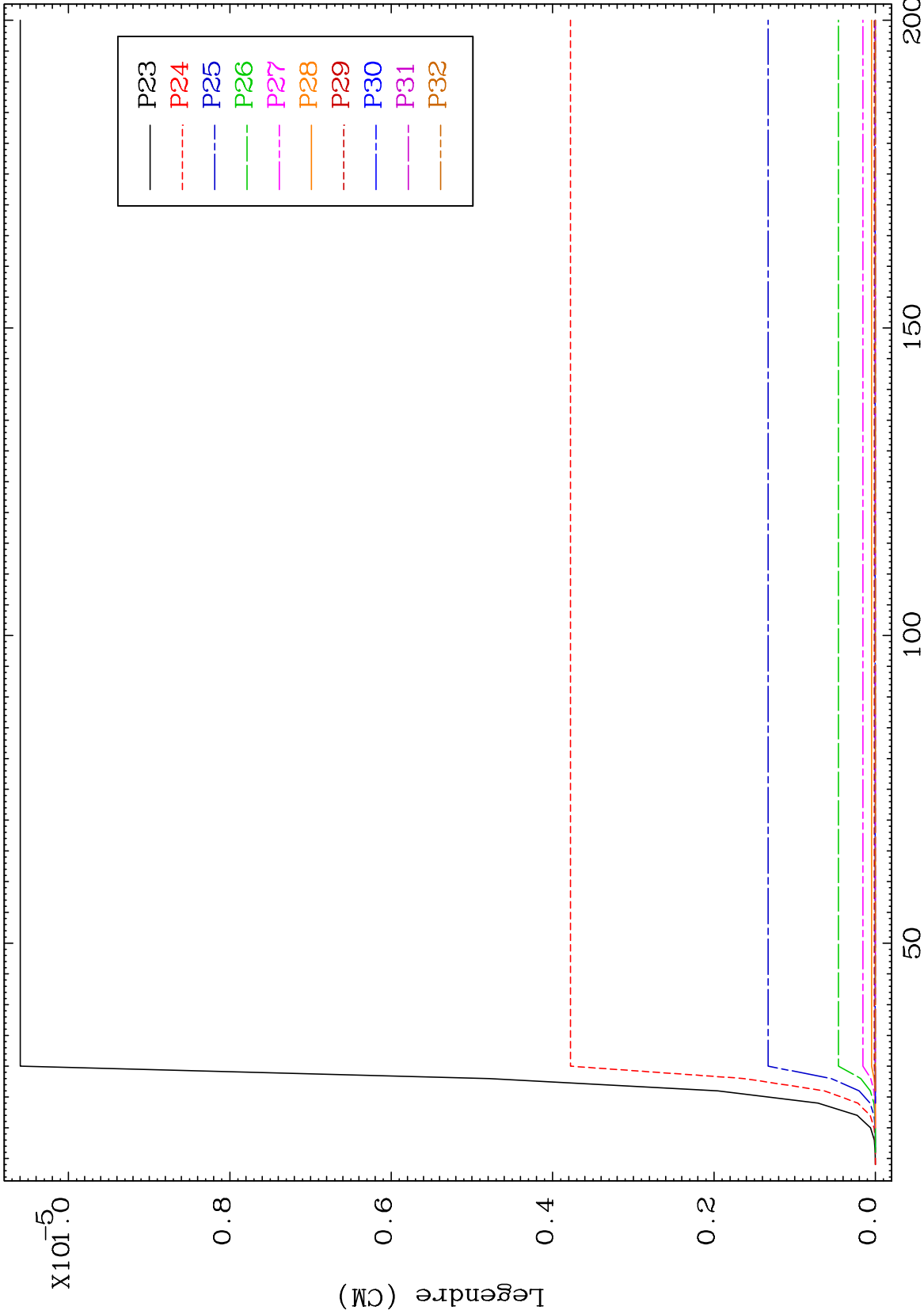
27-Co-57



MAT 2719

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

27-Co-57



78

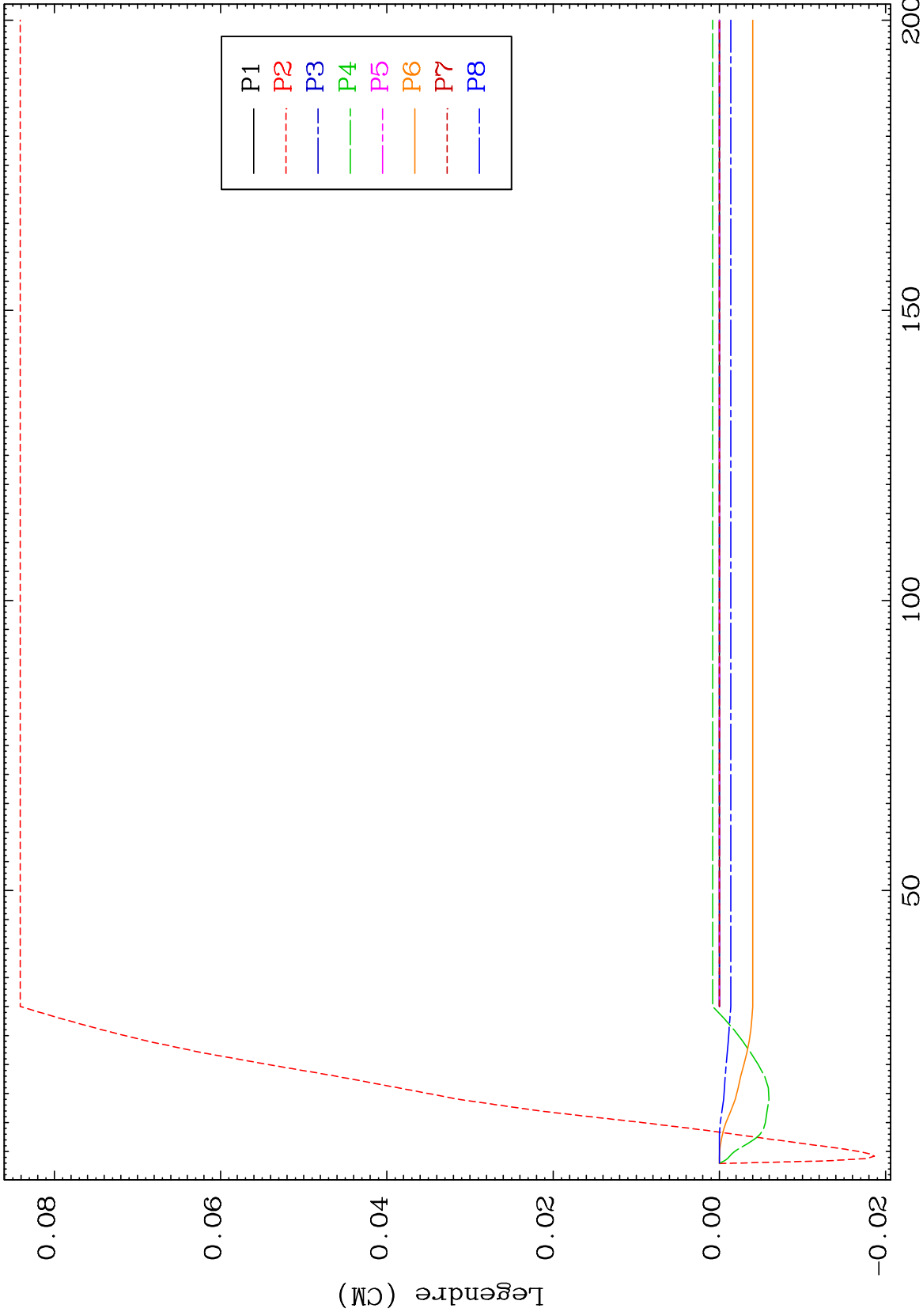
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



79

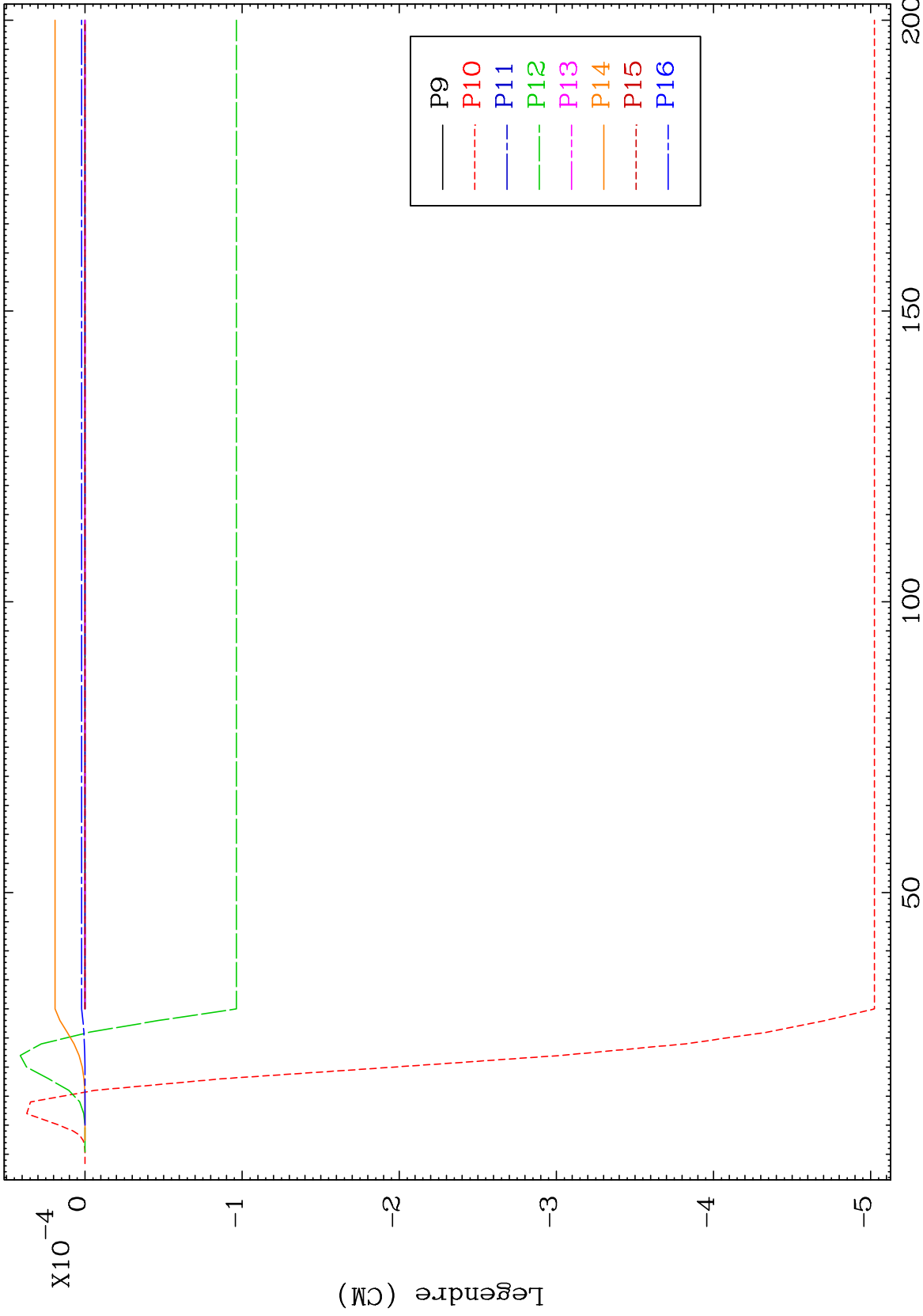
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57

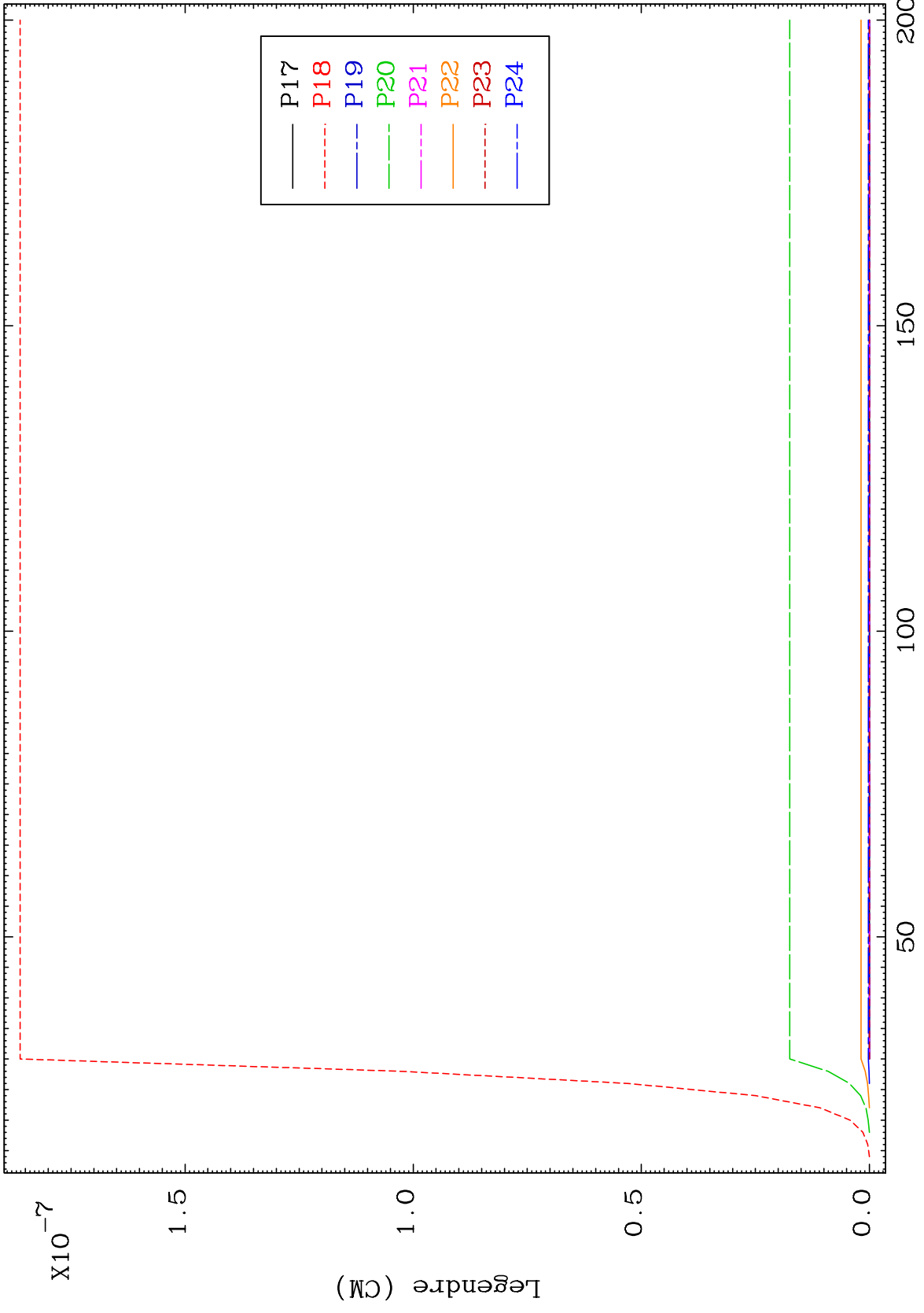


80

Incident Energy (MeV)

27-Co-57

MAT 2719 MT= 72 (n,n') Level Legendre Coefficients 27-Co-57

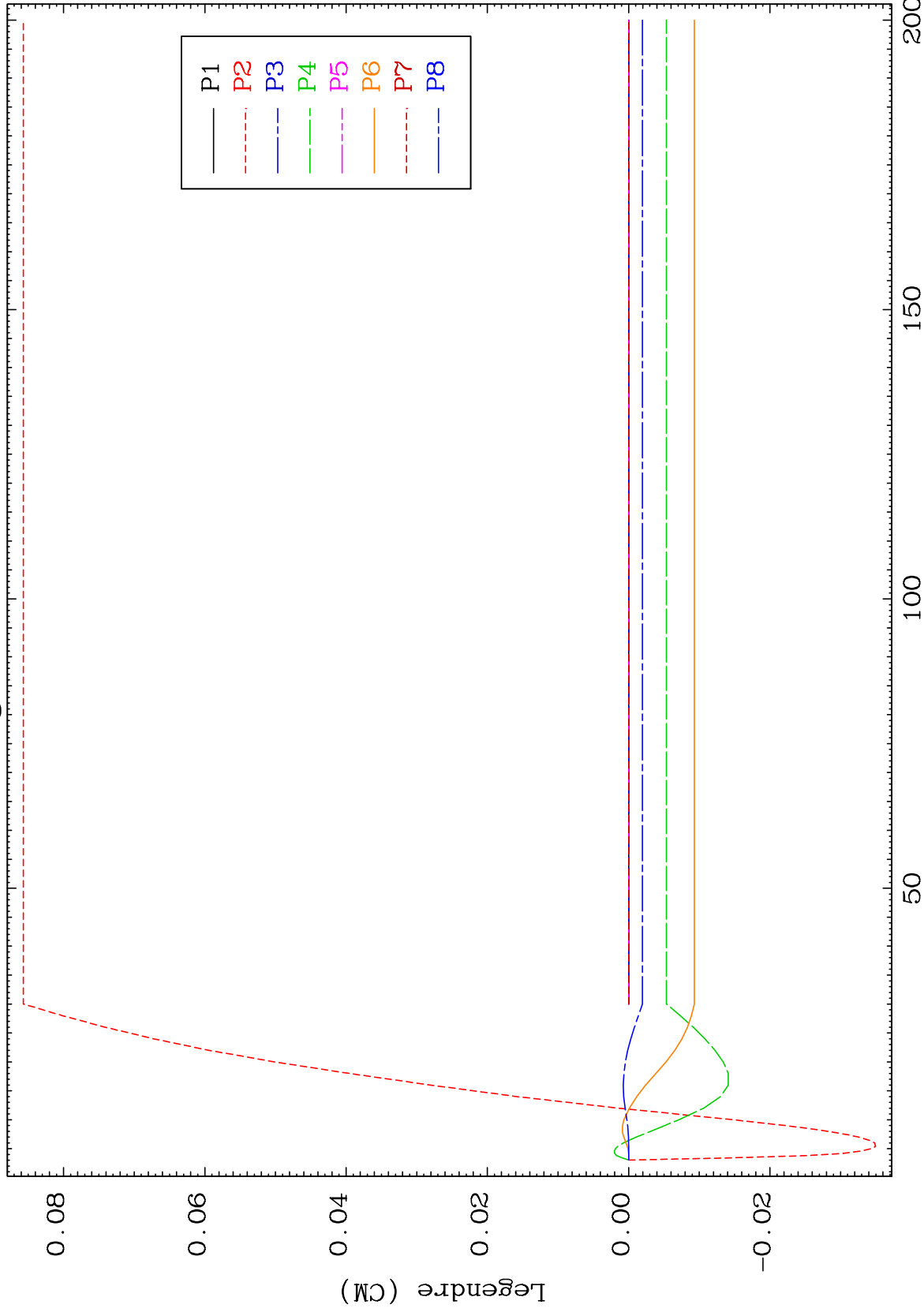


81 27-Co-57

MAT 2719

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

27-Co-57



82

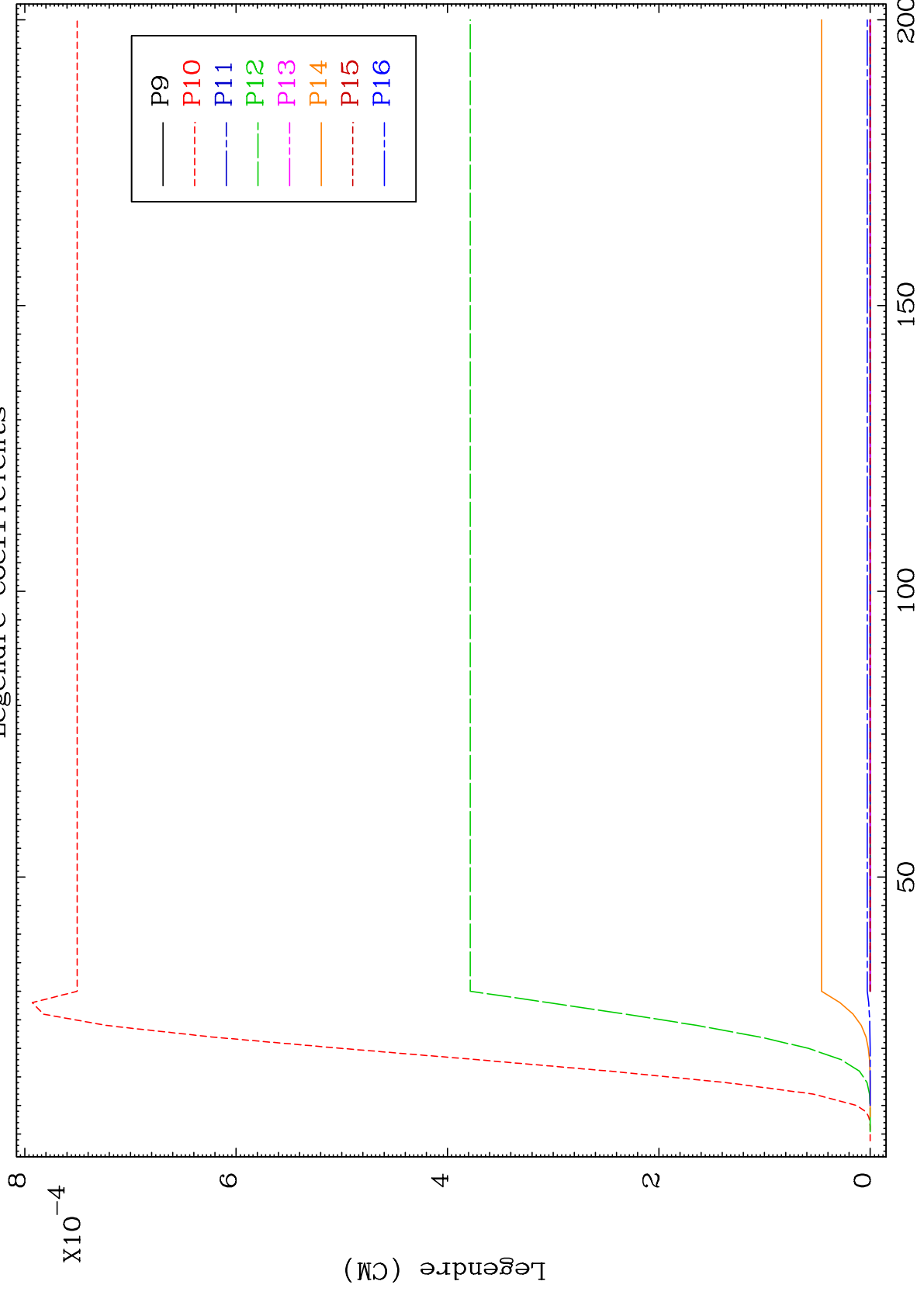
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



83

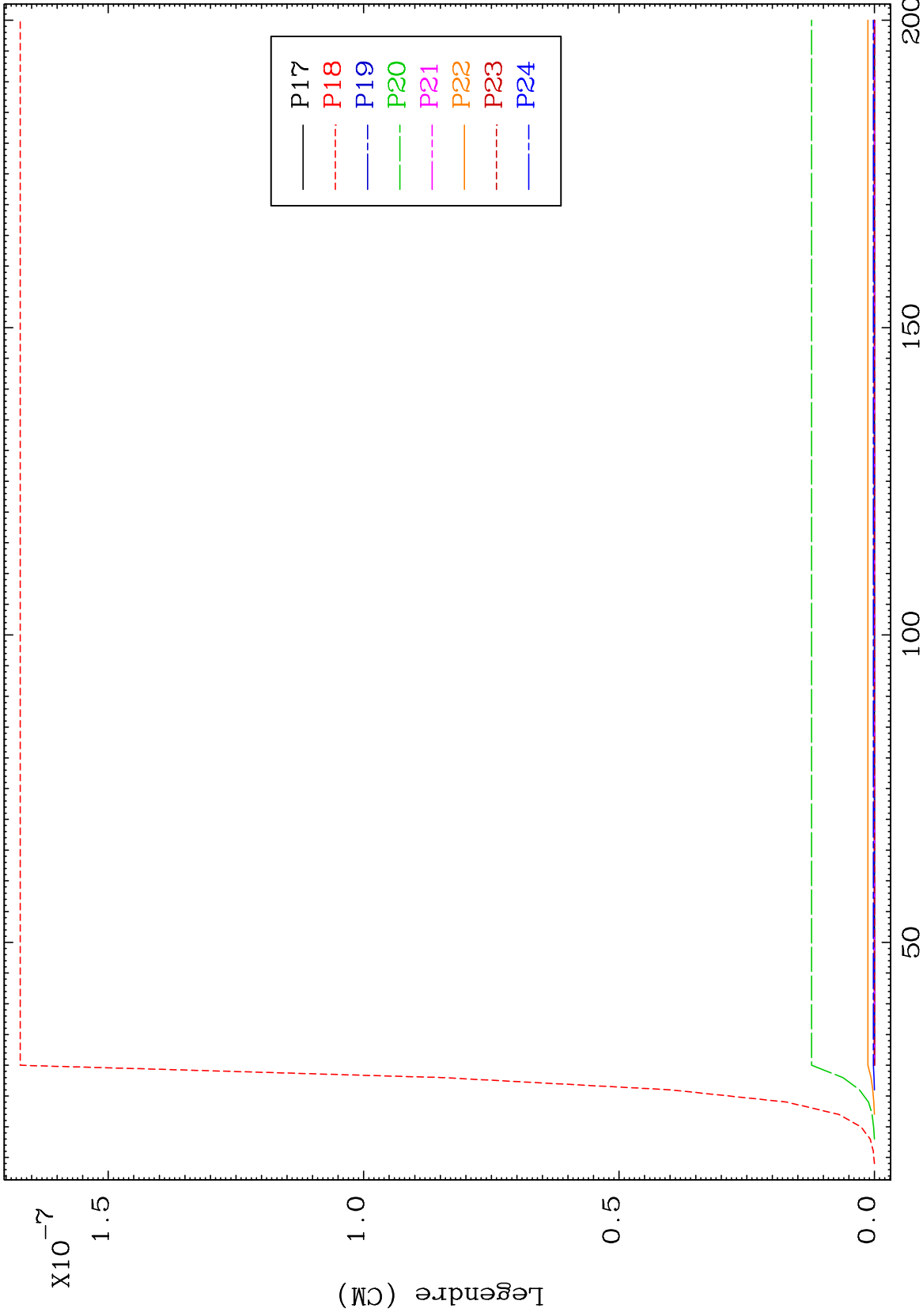
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



84

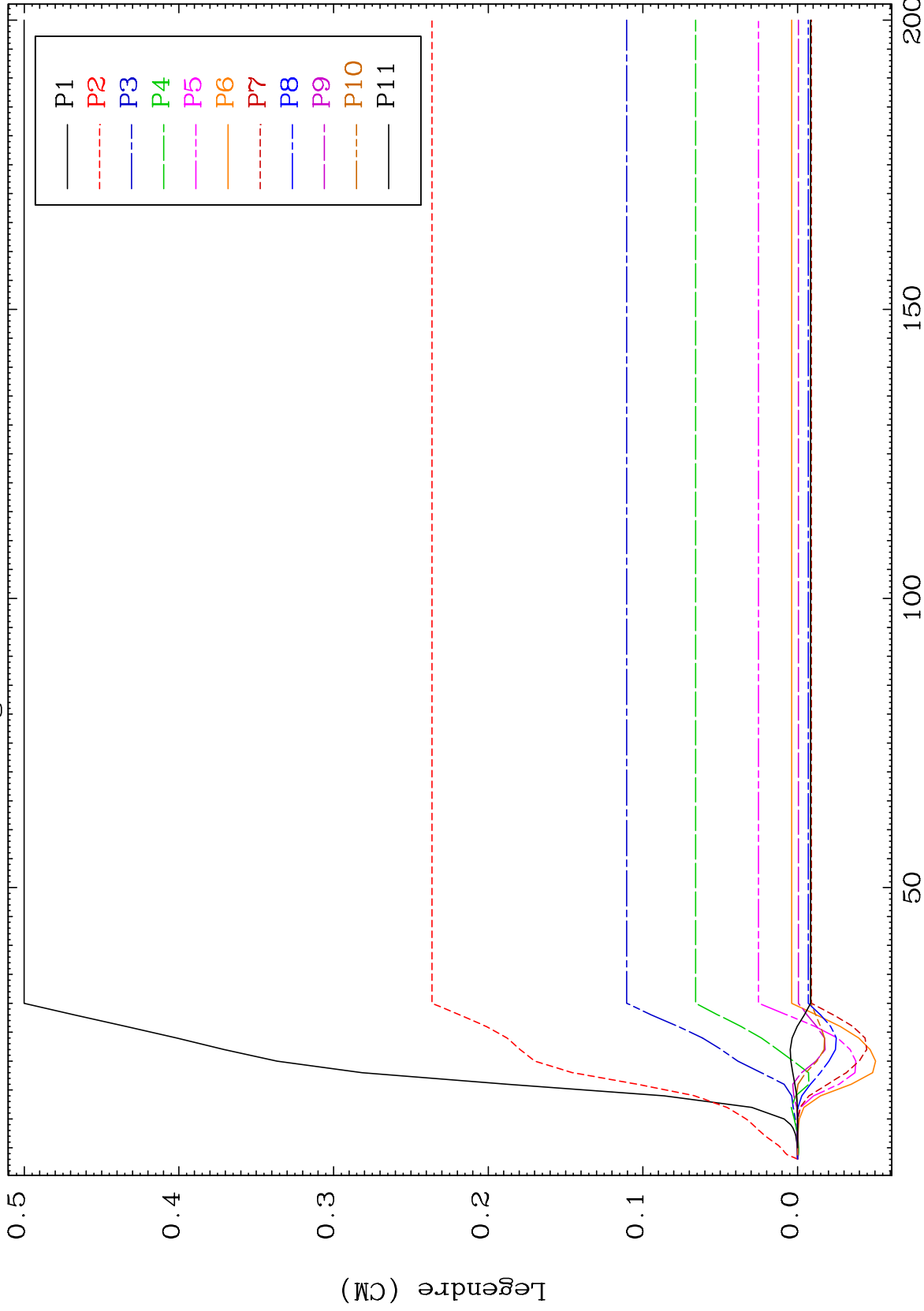
Incident Energy (MeV)

27-Co-57

MAT 2719

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

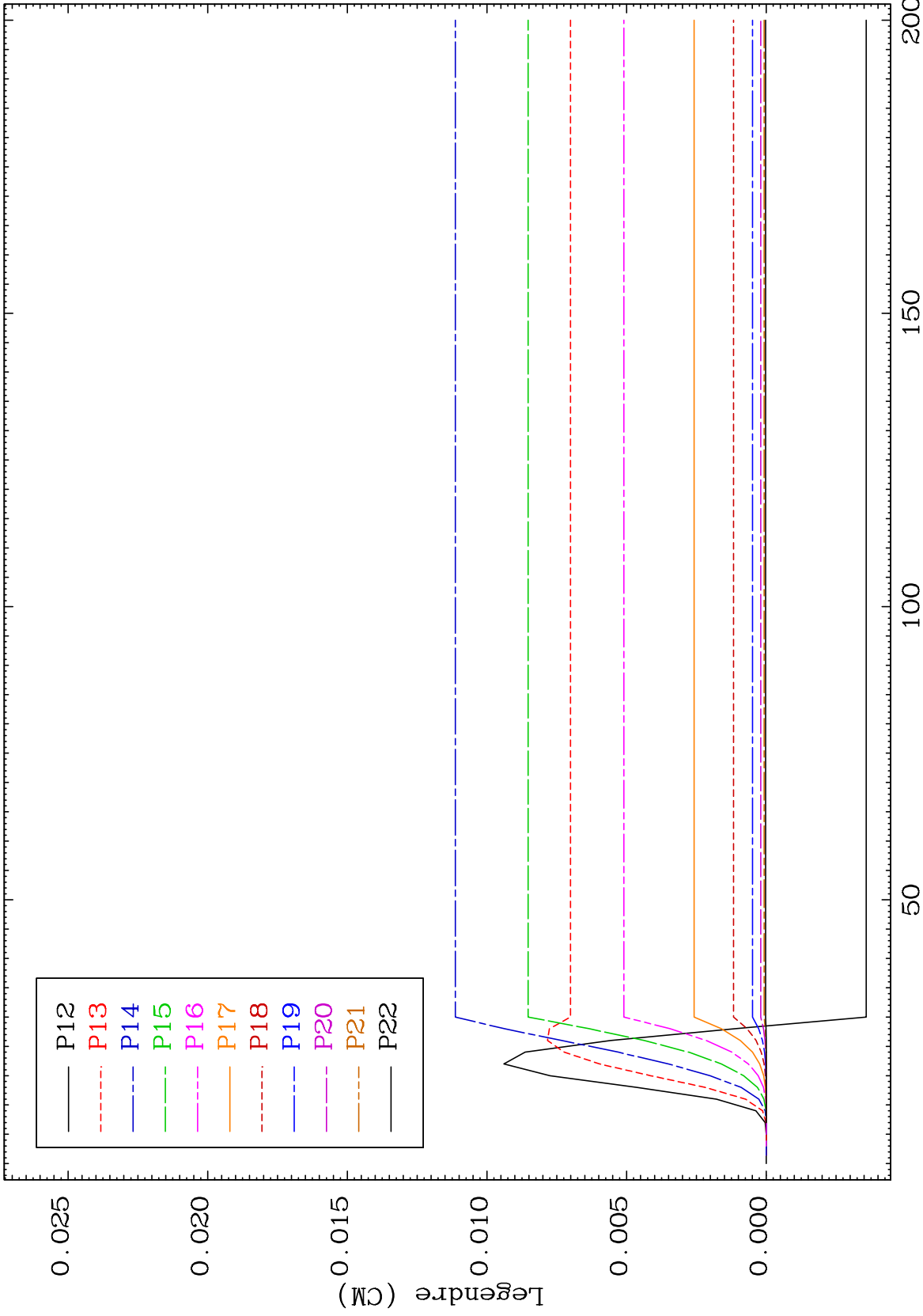
27-Co-57



85

Incident Energy (MeV)

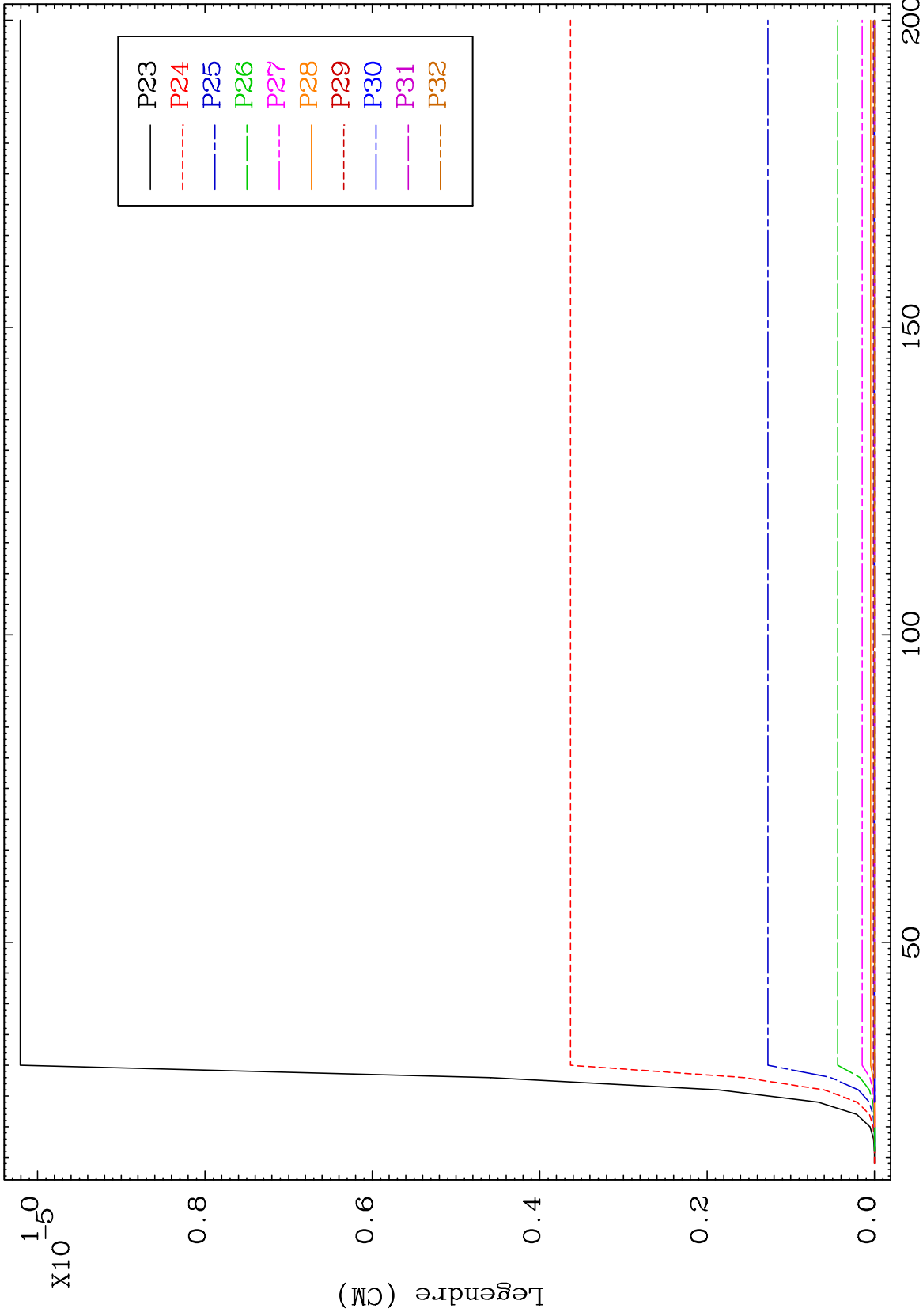
27-Co-57



MAT 2719

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

27-Co-57



87

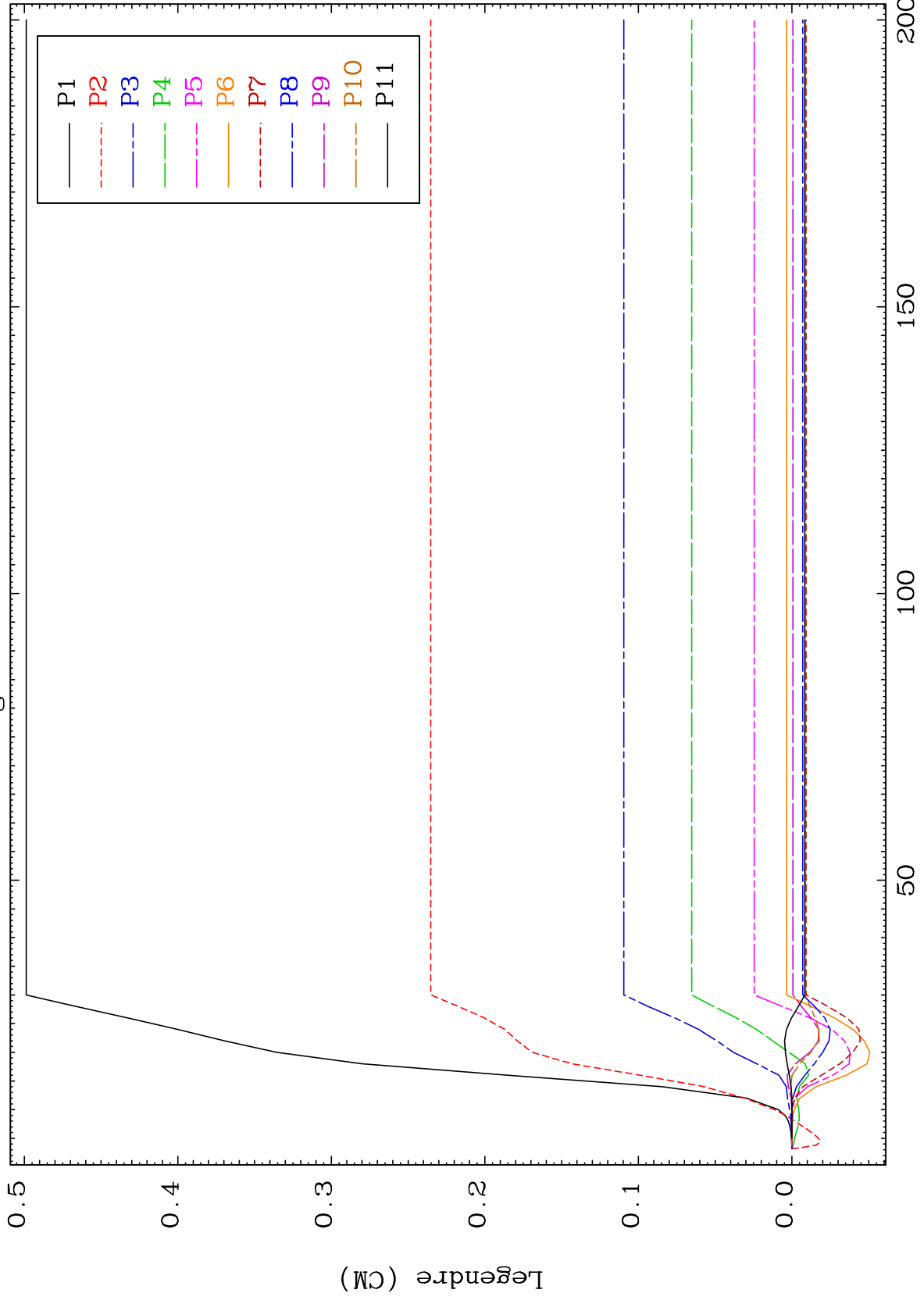
Incident Energy (MeV)

27-Co-57

MAT 2719

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

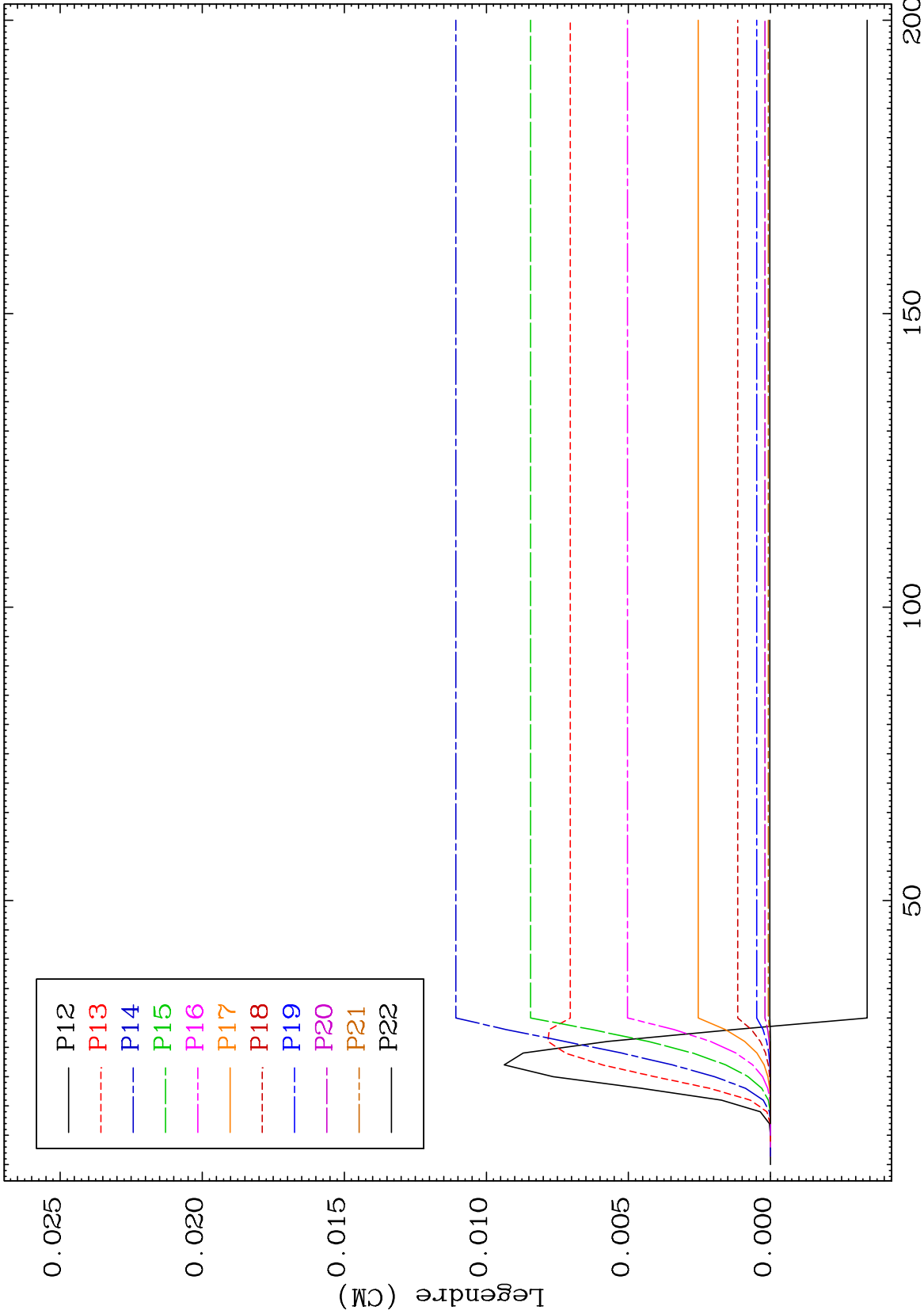
27-Co-57



88

Incident Energy (MeV)

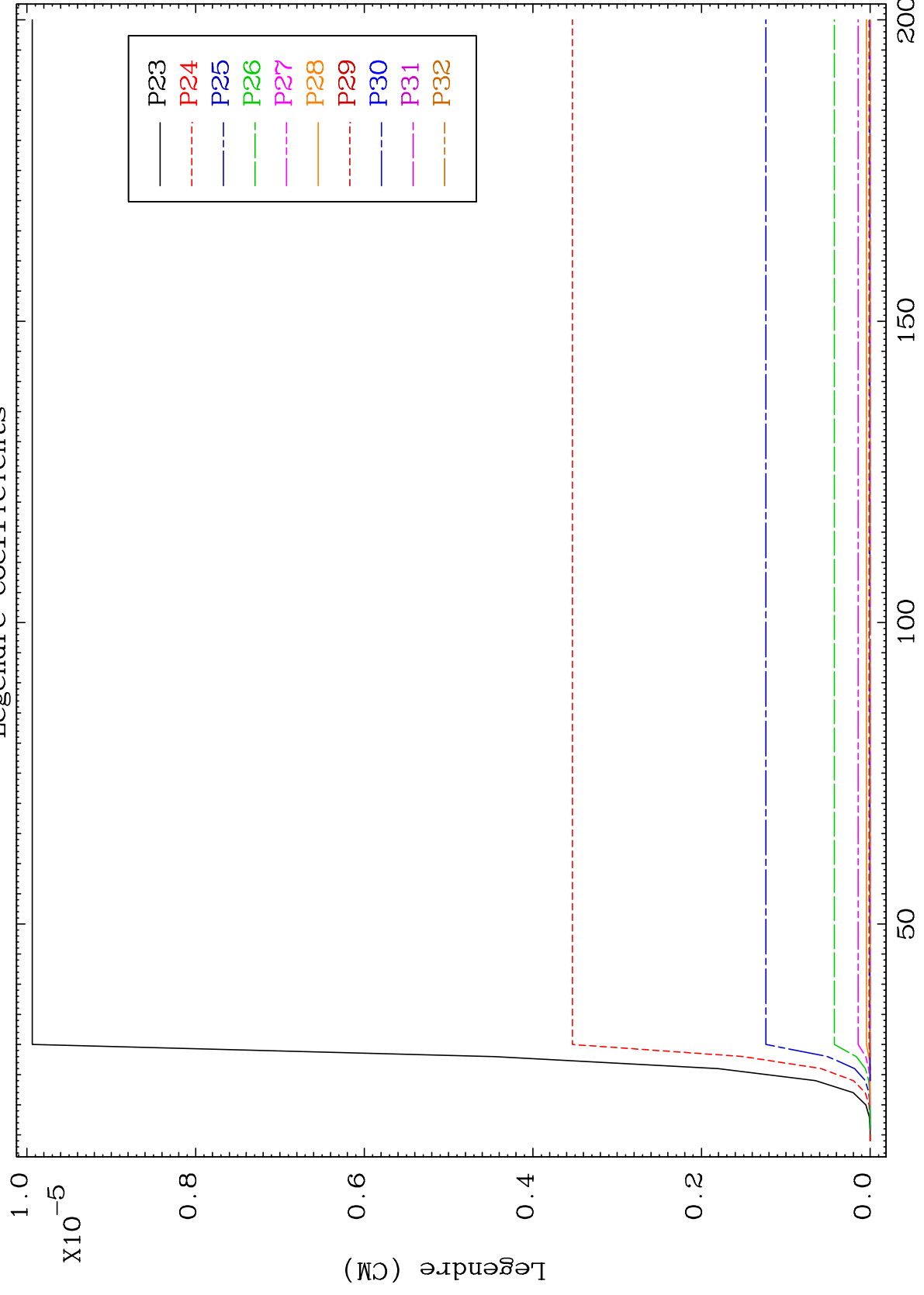
27-Co-57



MAT 2719

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

27-Co-57



90

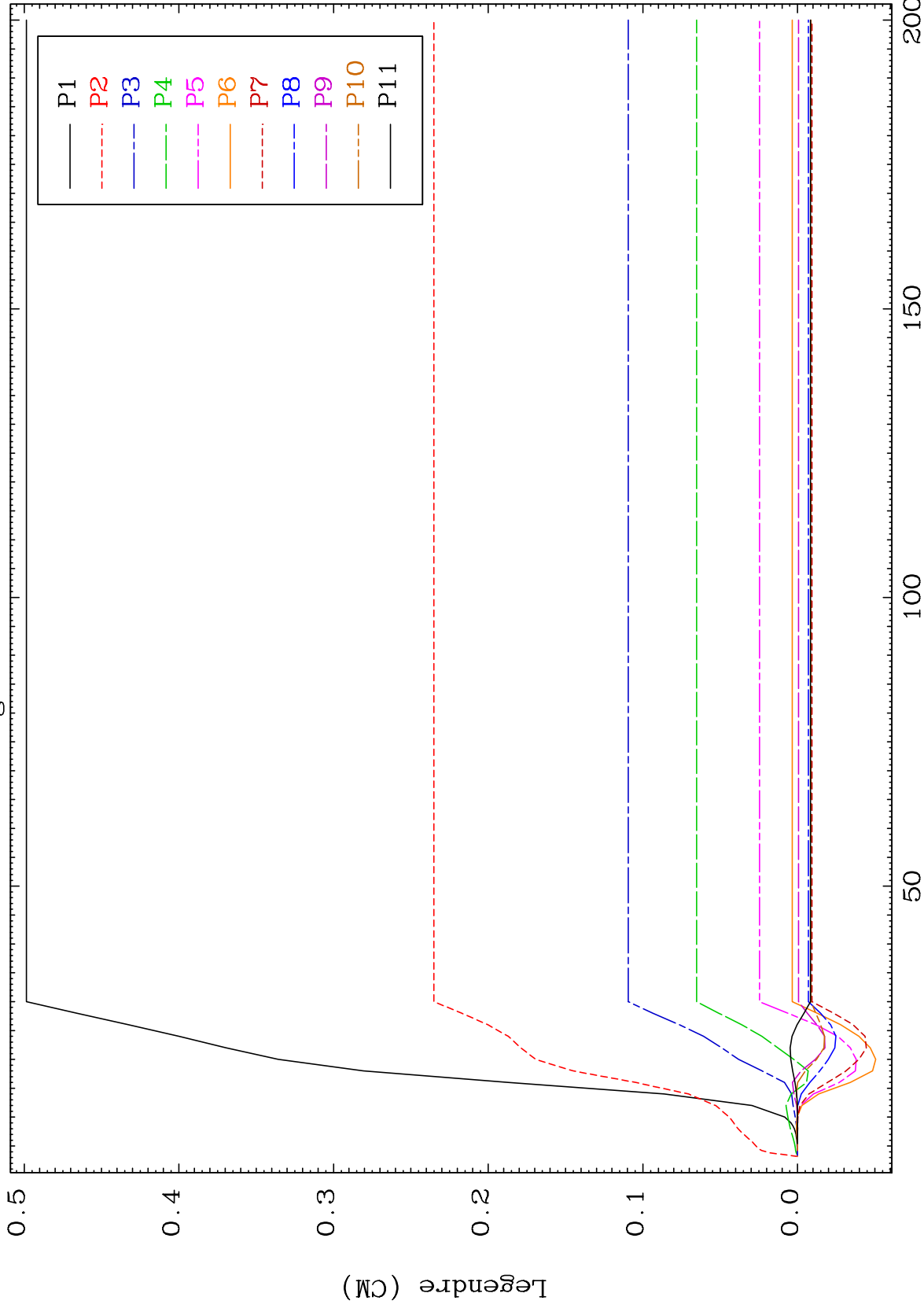
Incident Energy (MeV)

27-Co-57

MAT 2719

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

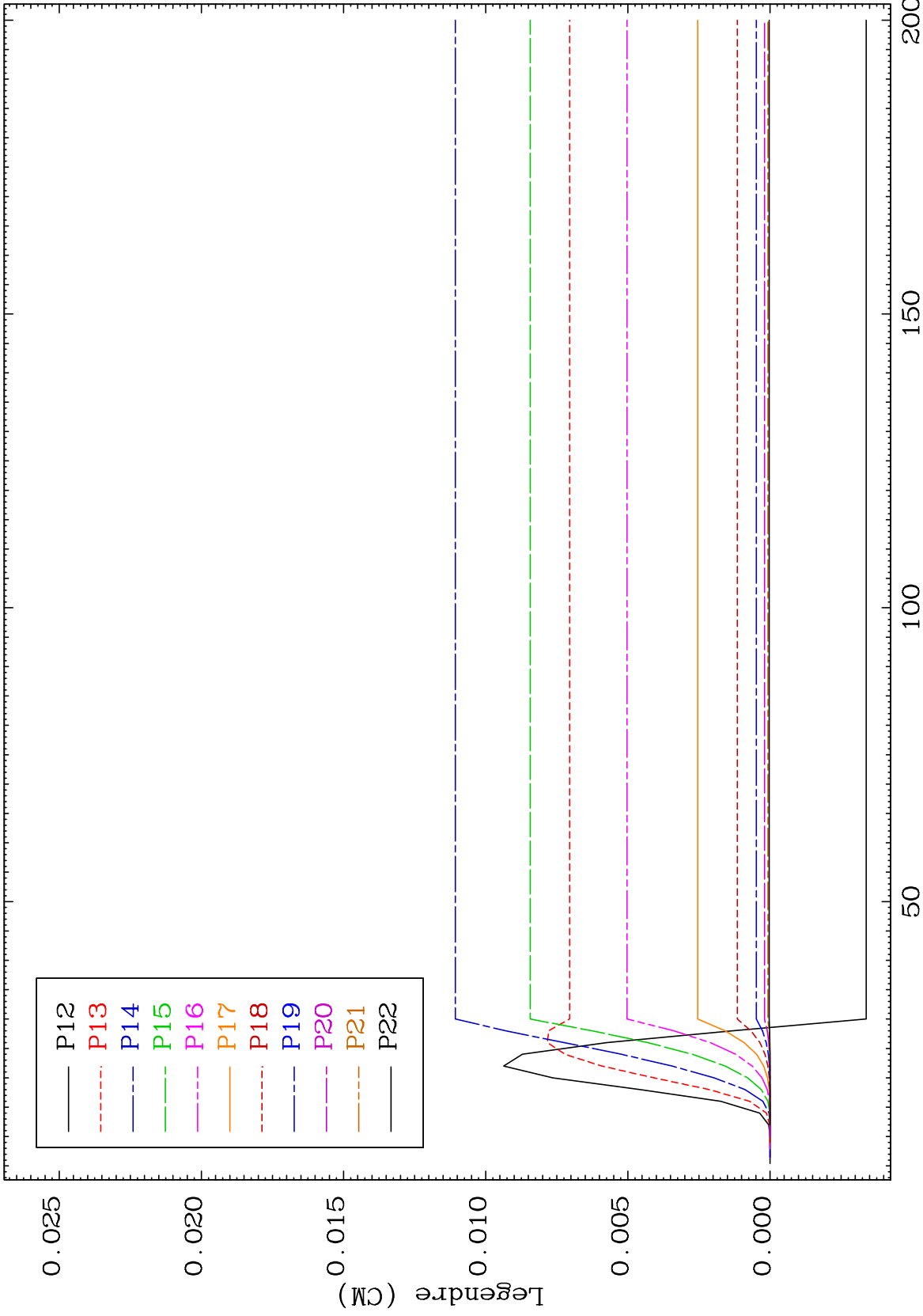
27-Co-57



91

Incident Energy (MeV)

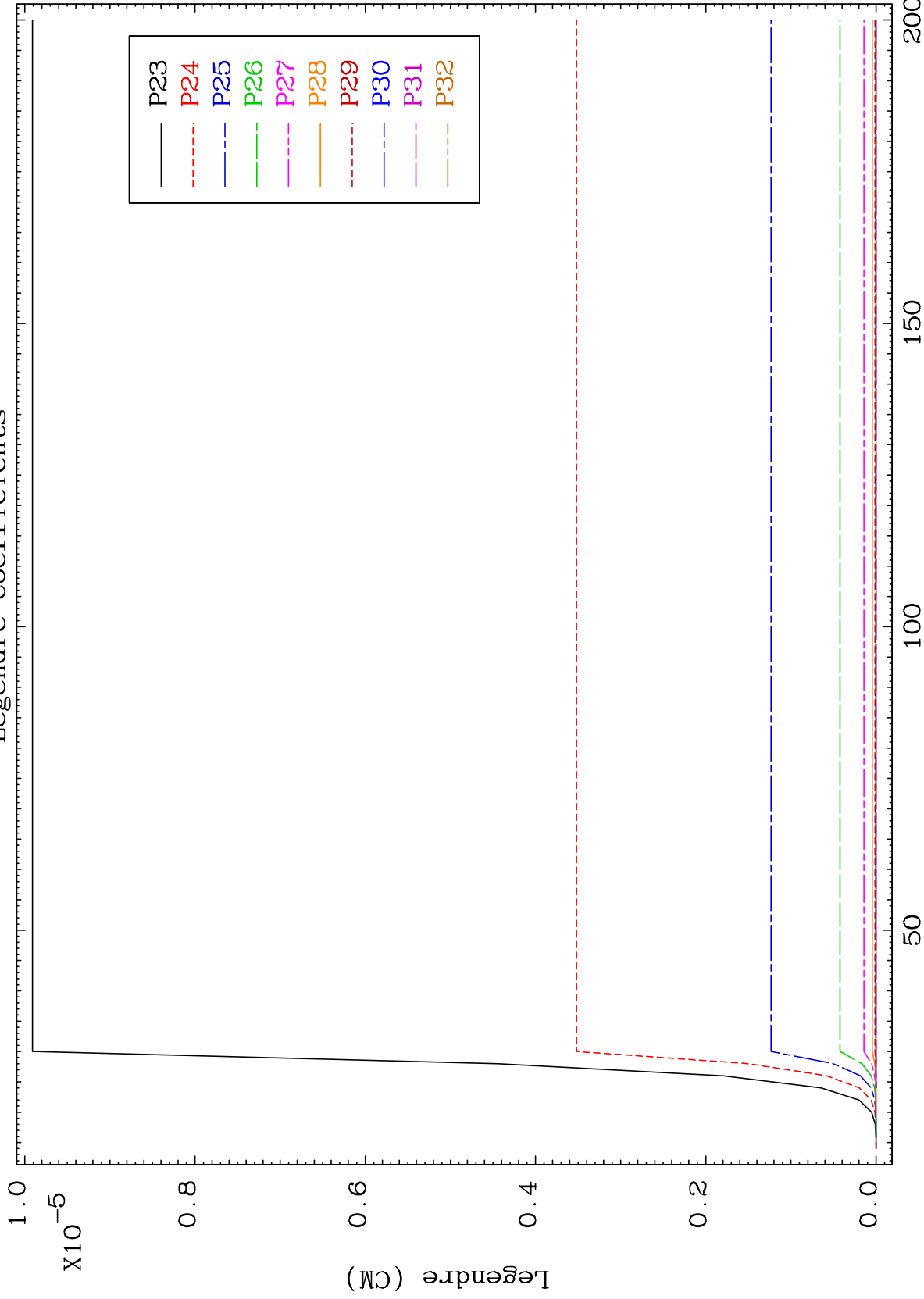
27-Co-57



MAT 2719

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

27-Co-57



93

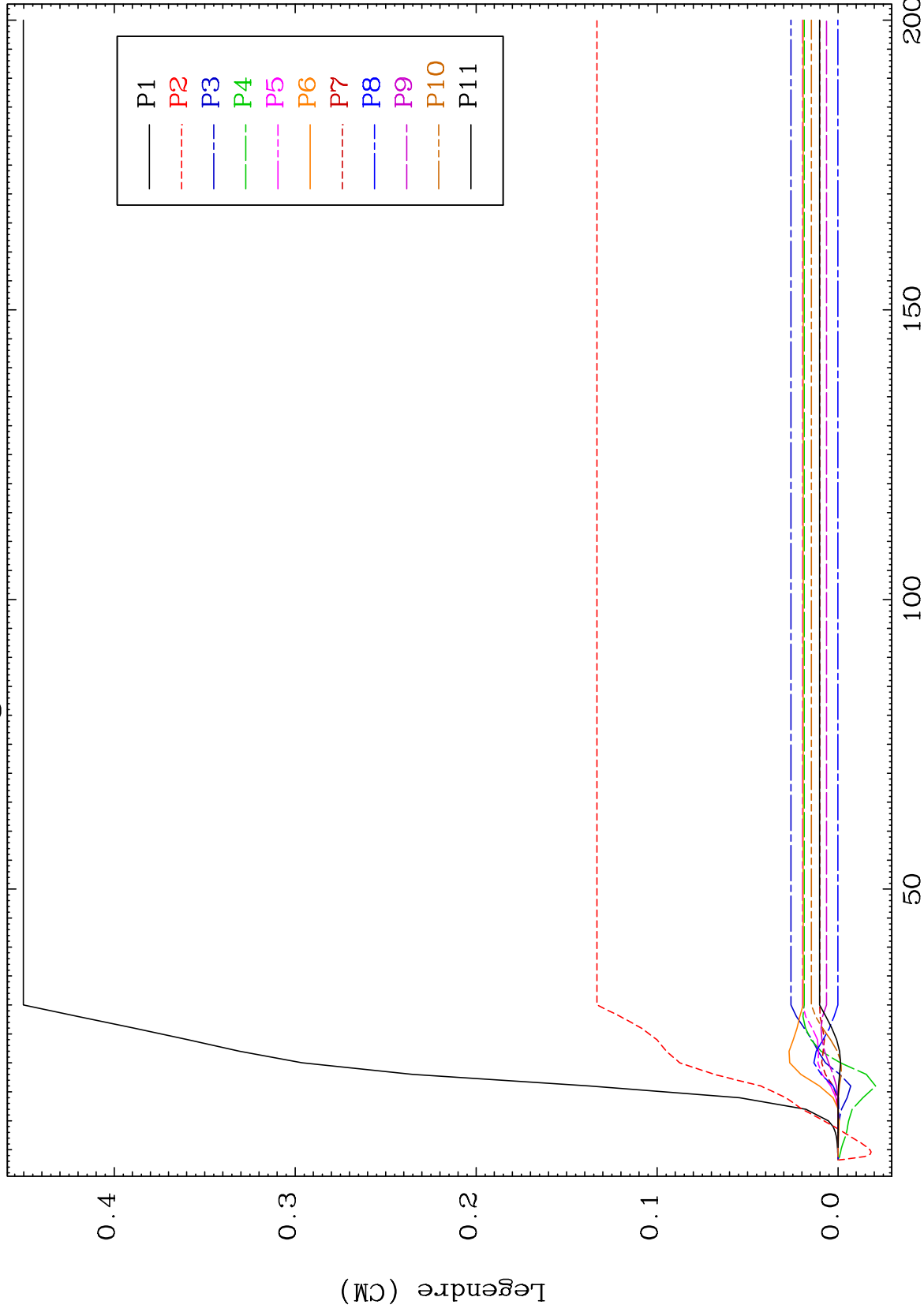
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



94

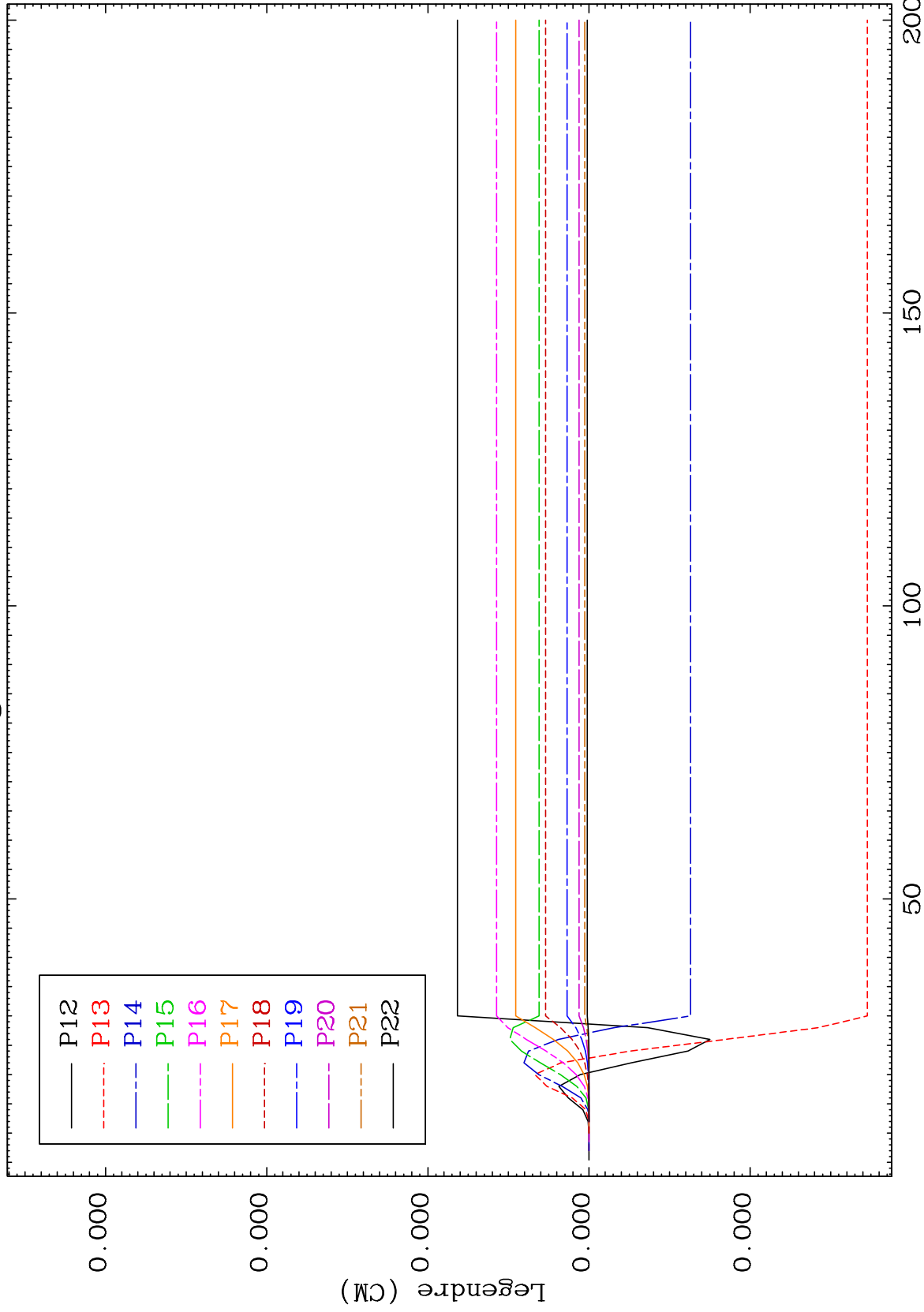
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



95

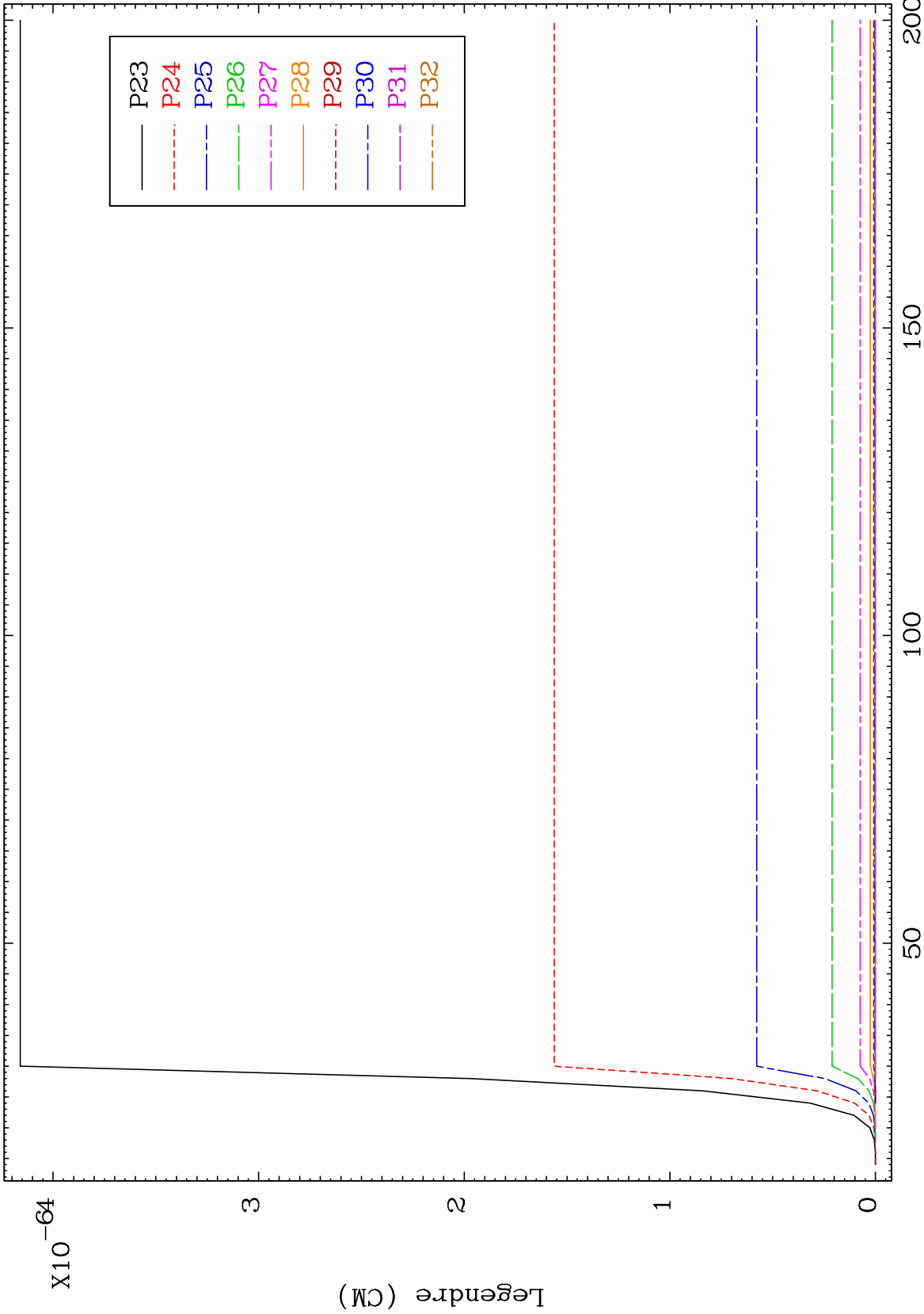
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



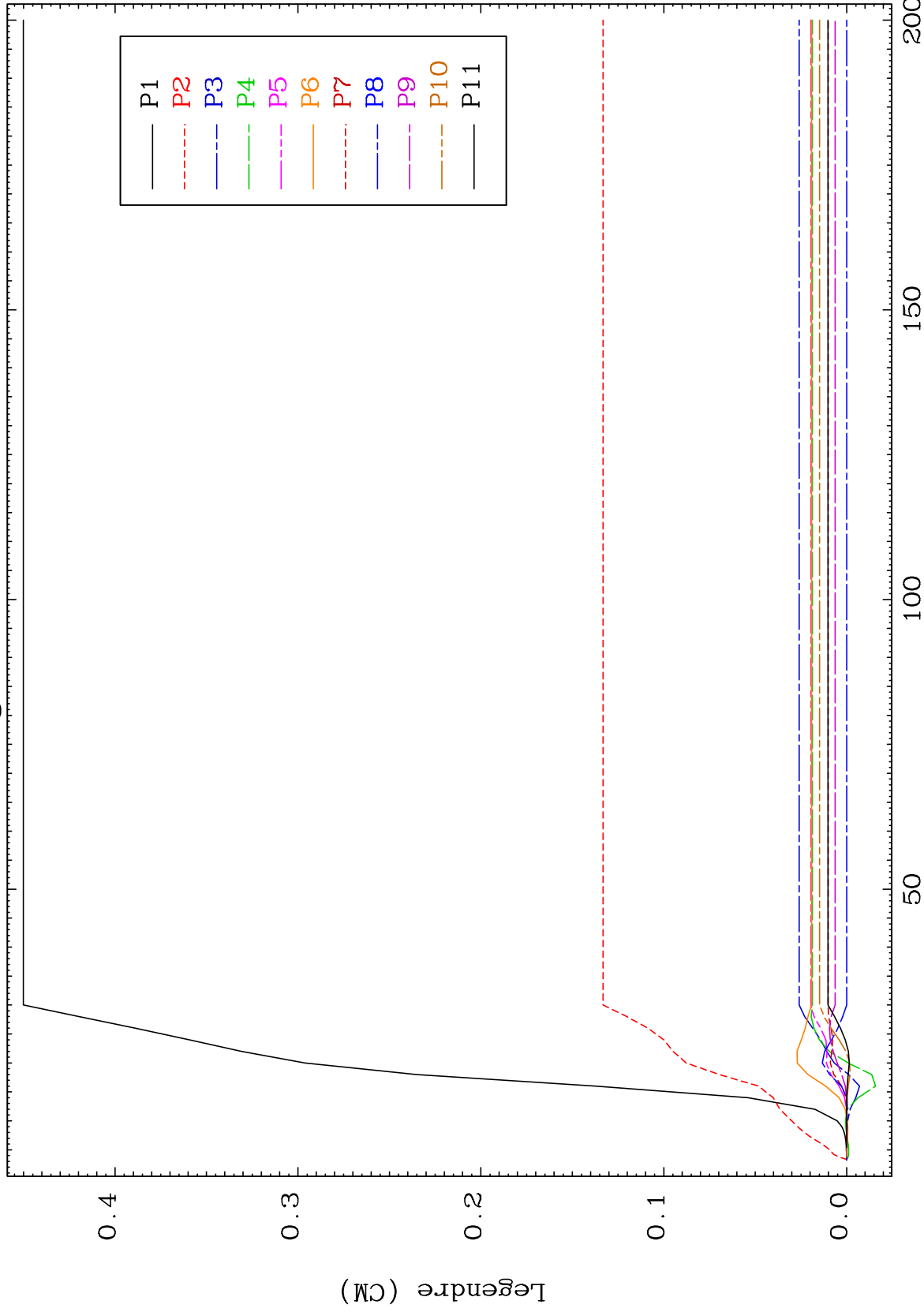
96

27-Co-57

MAT 2719

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

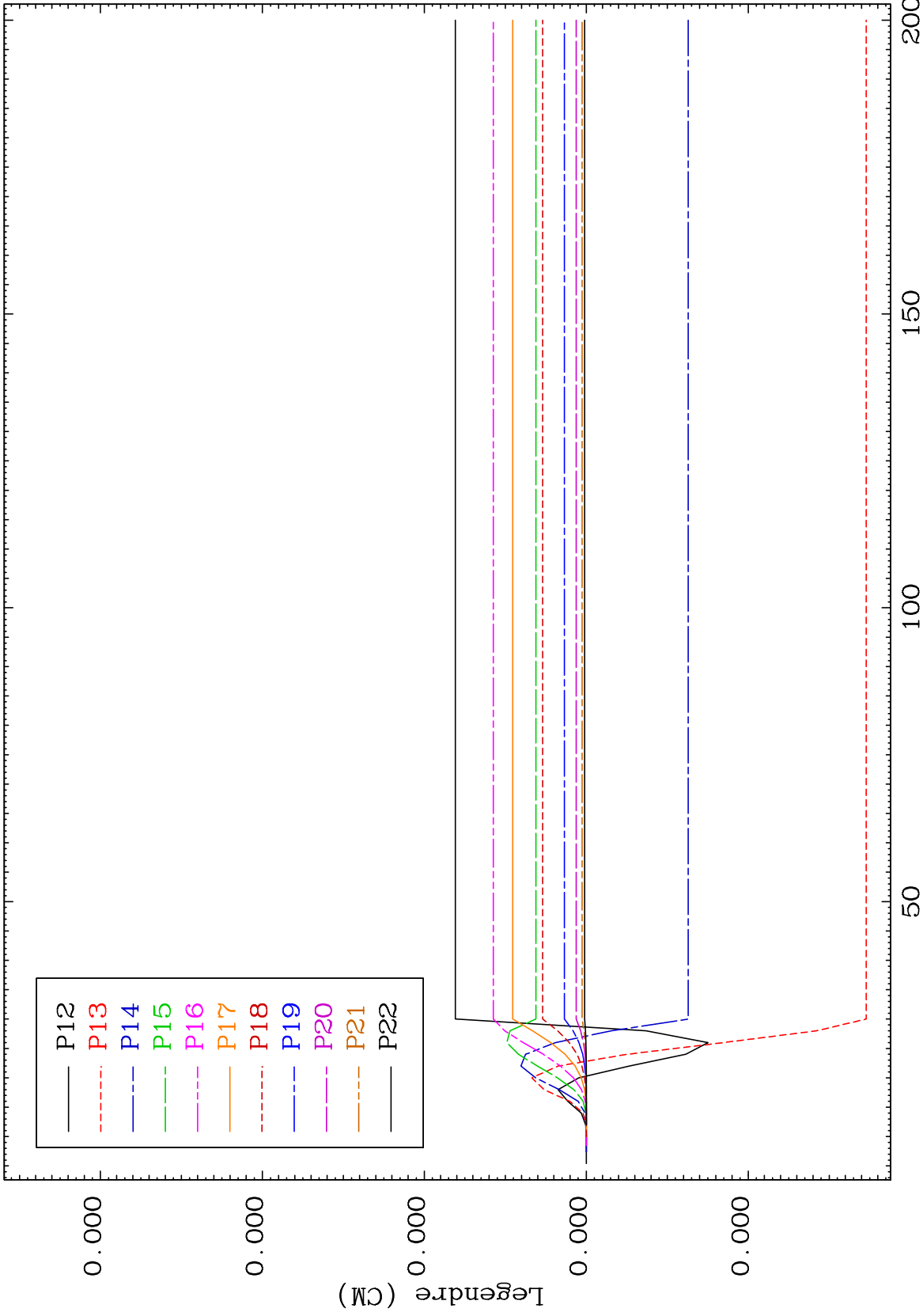
27-Co-57



97

Incident Energy (MeV)

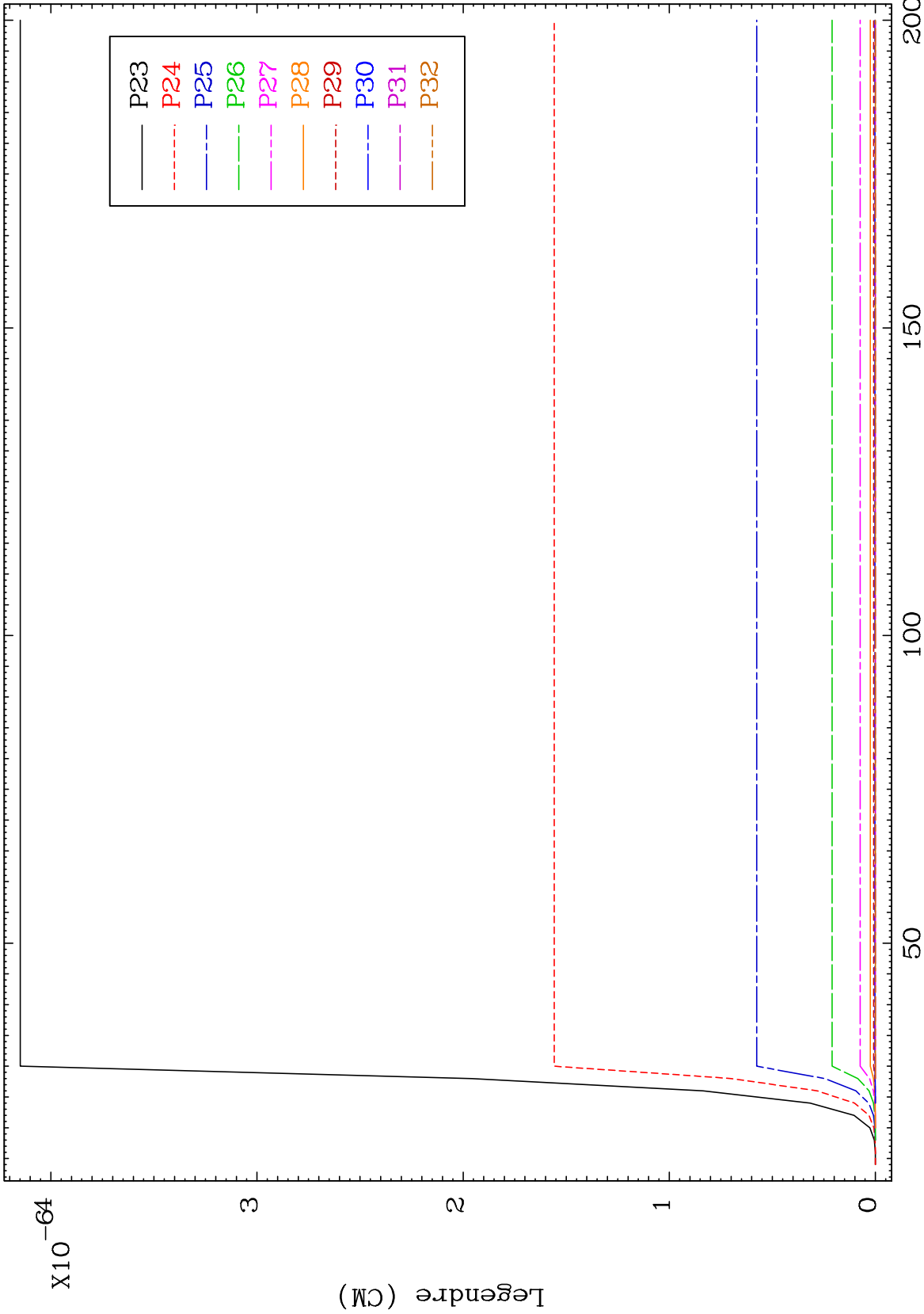
27-Co-57



MAT 2719

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

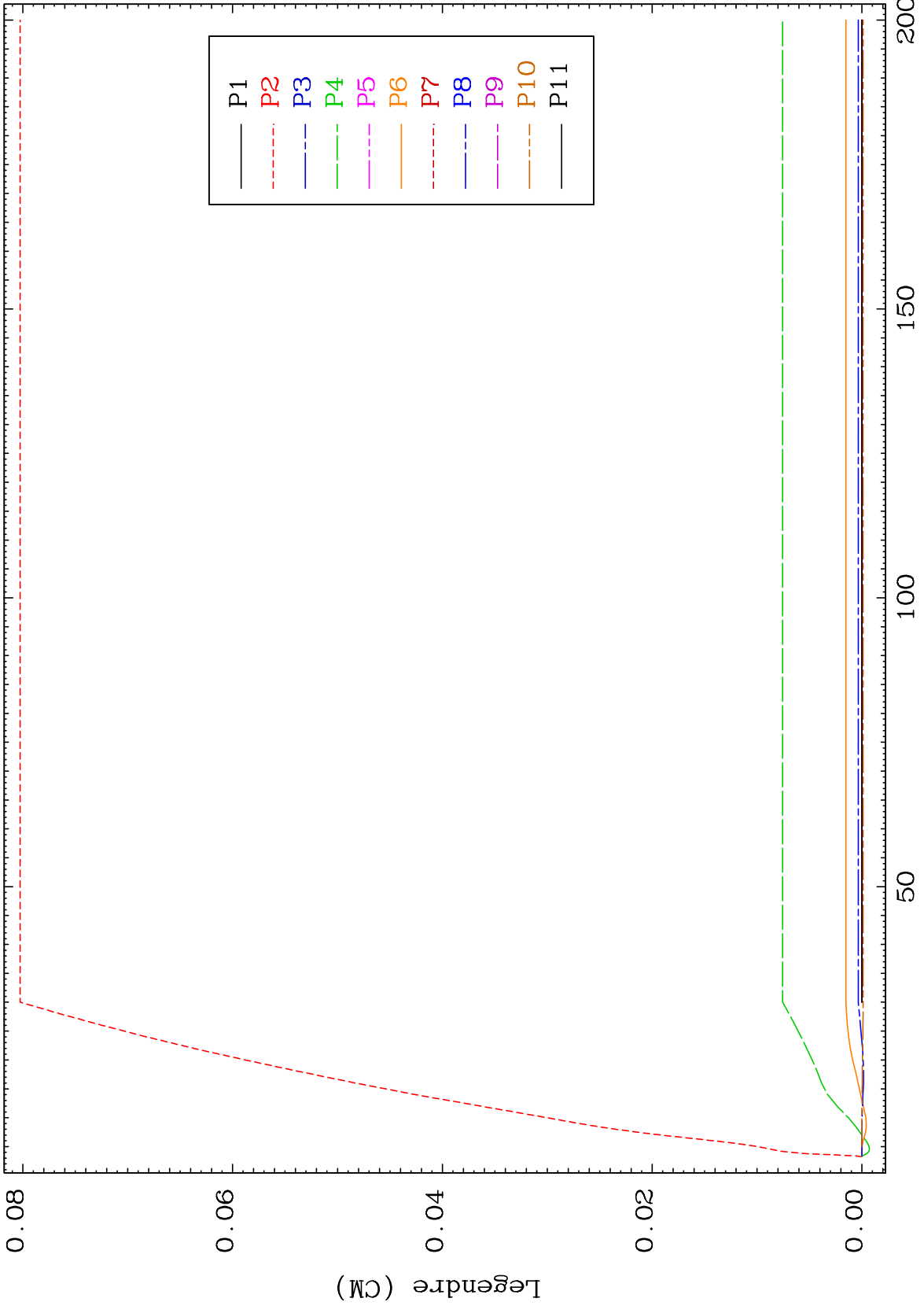
27-Co-57



99

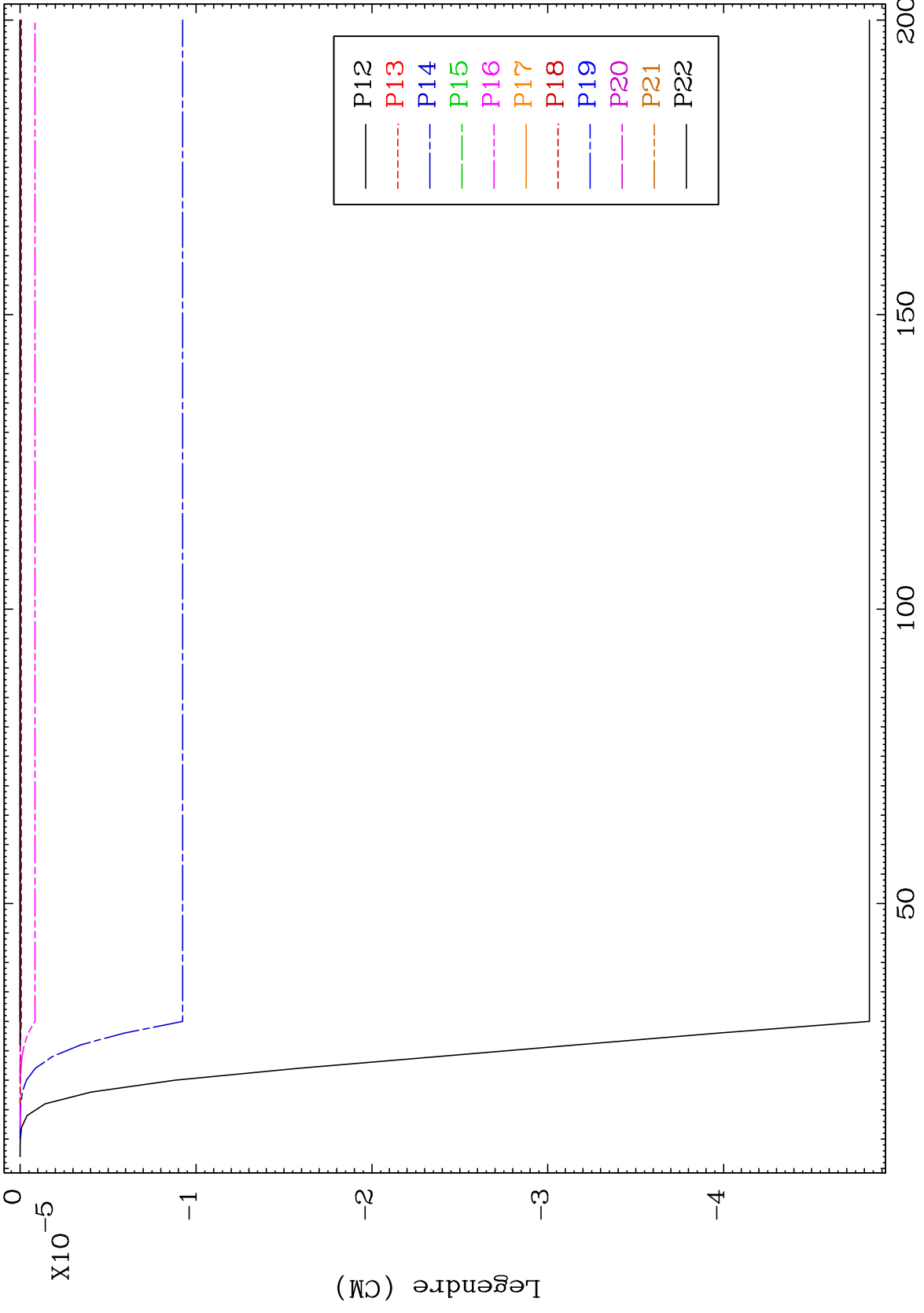
27-Co-57

MAT 2719 MT= 79 (n,n') Level Legendre Coefficients 27-Co-57



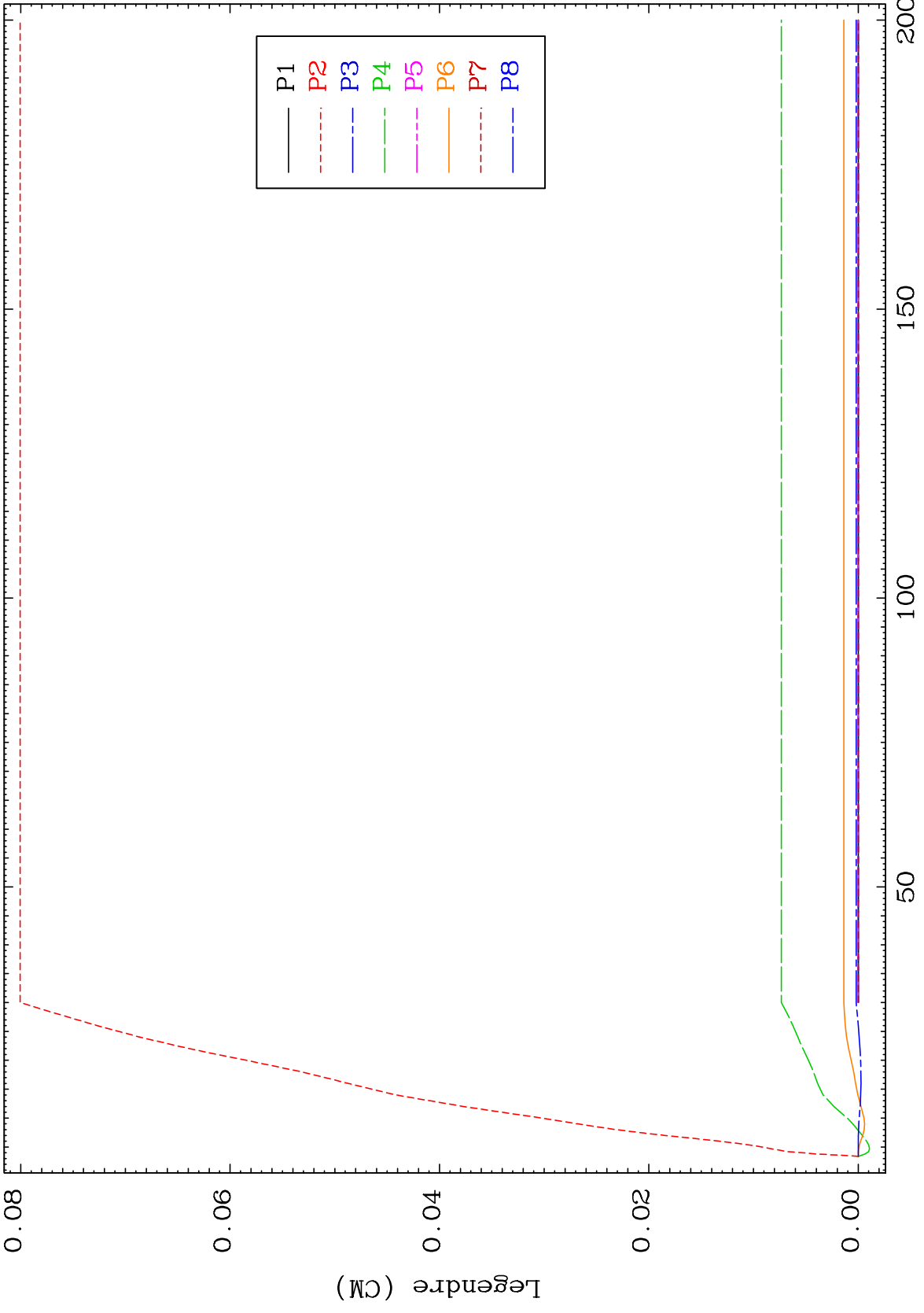
27-Co-57

MAT 2719 MT= 79 (n,n') Level Legendre Coefficients 27-Co-57



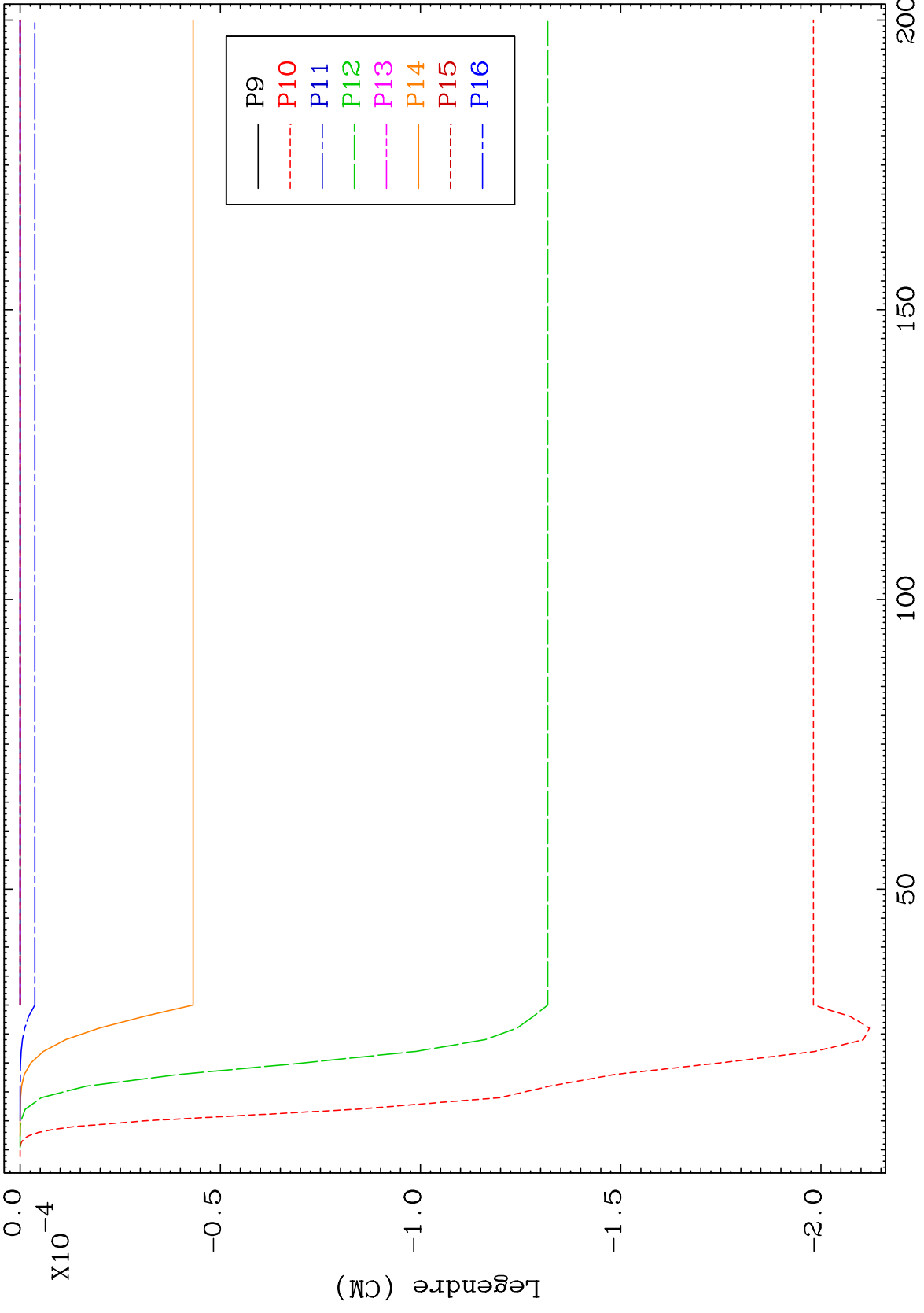
101 27-Co-57

MAT 2719 MT= 80 (n,n') Level Legendre Coefficients 27-Co-57



27-Co-57

MAT 2719 MT= 80 (n,n') Level Legendre Coefficients 27-Co-57

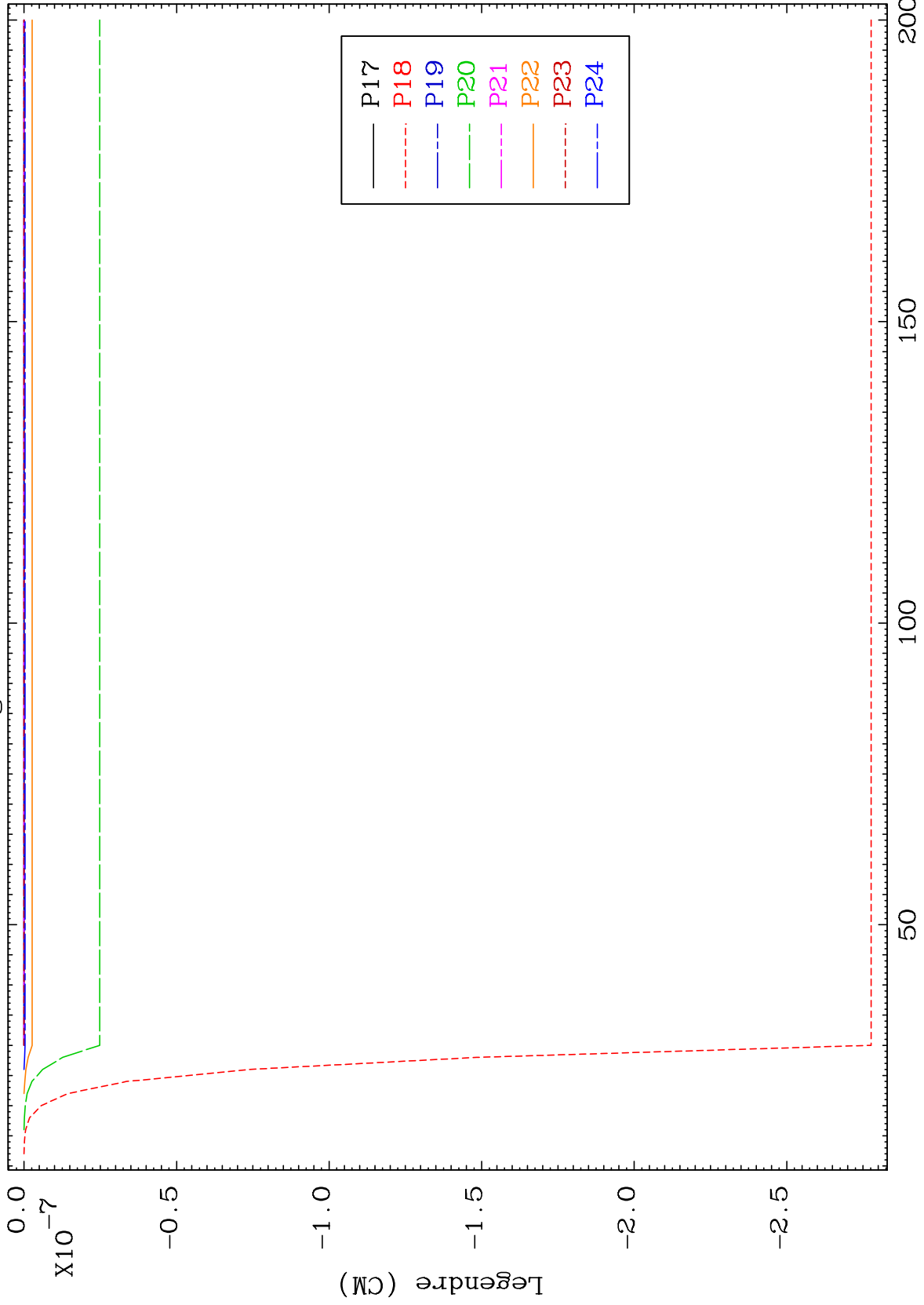


103 27-Co-57

MAT 2719

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

27-Co-57



27-Co-57

Incident Energy (MeV)

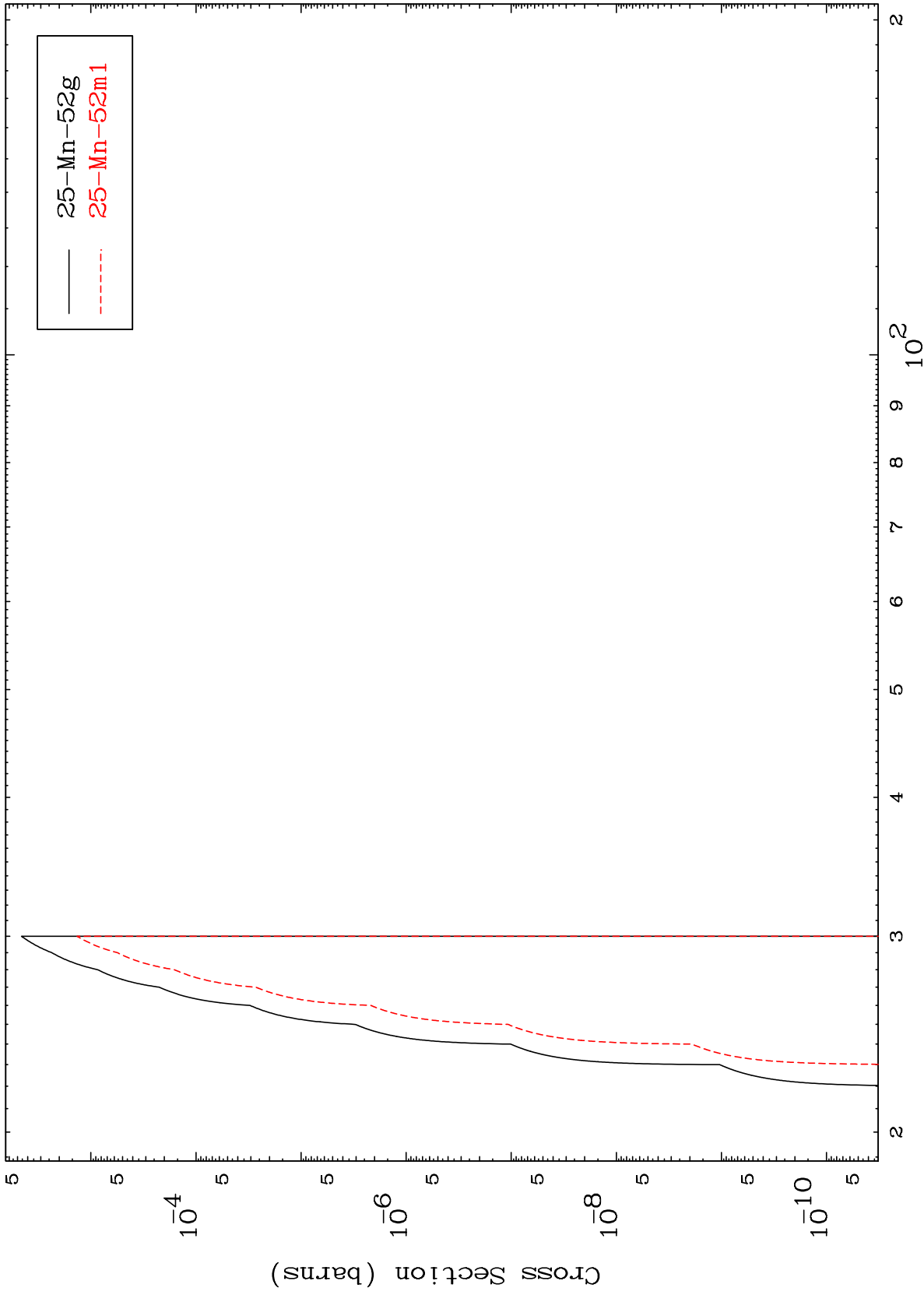
104

MAT 2719

(n,2n) α

27-Co-57

Radionuclide Production Cross Section



105

Incident Energy (MeV)

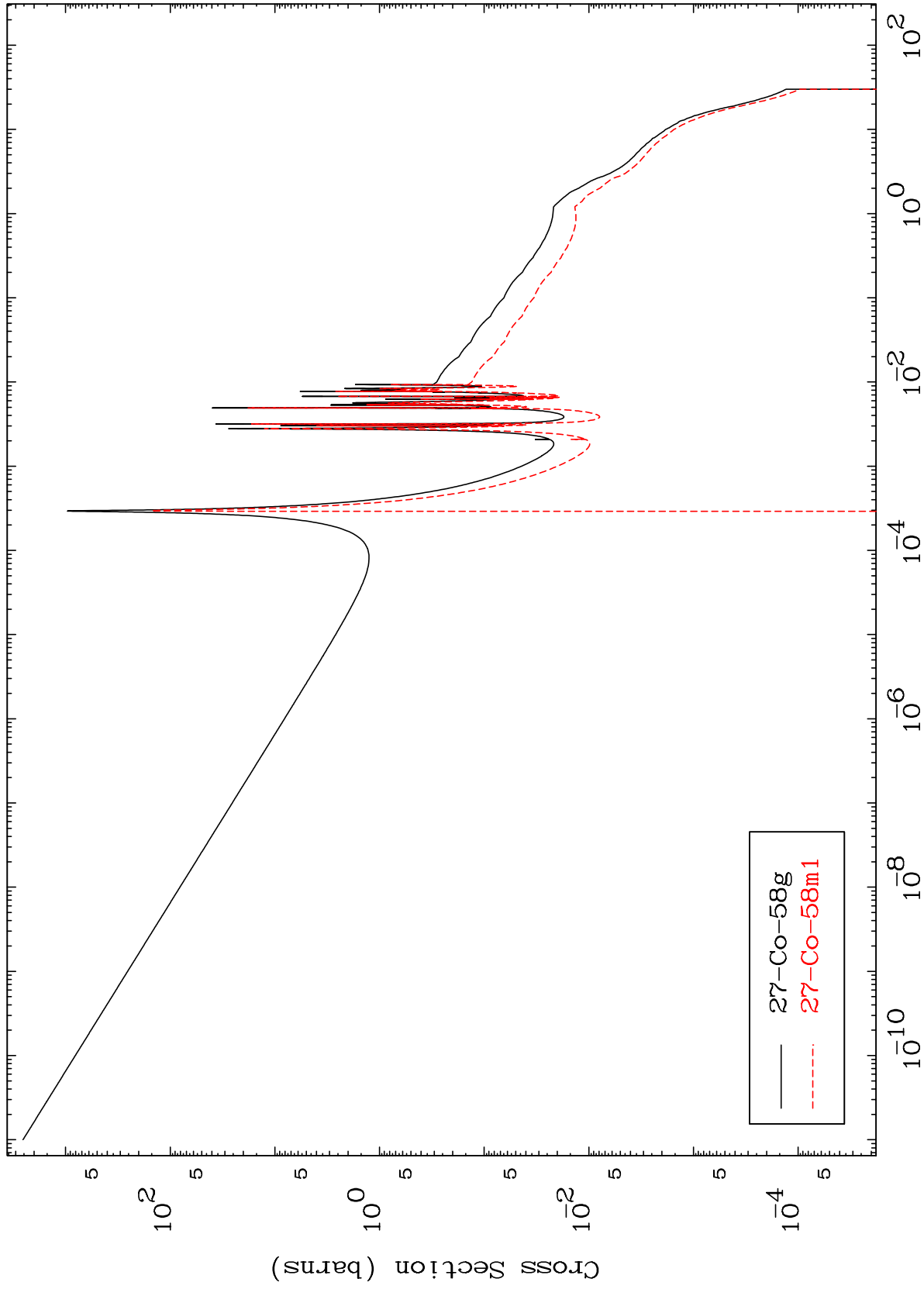
27-Co-57

MAT 2719

27-Co-57

Radionuclide Production Cross Section

(n, γ)



106

Incident Energy (MeV)

27-Co-57