

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

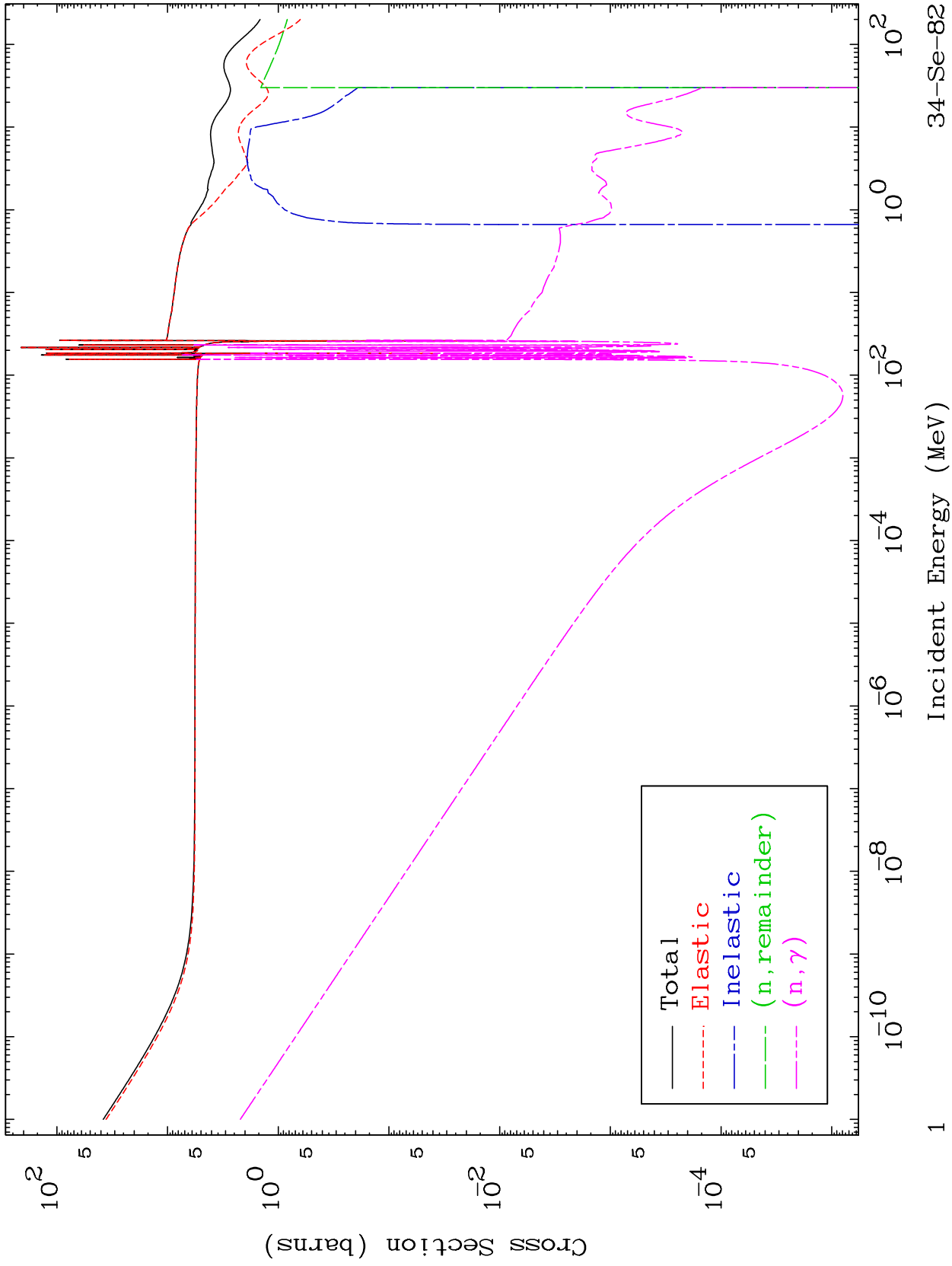
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3449

Major
293 Kelvin Cross Sections

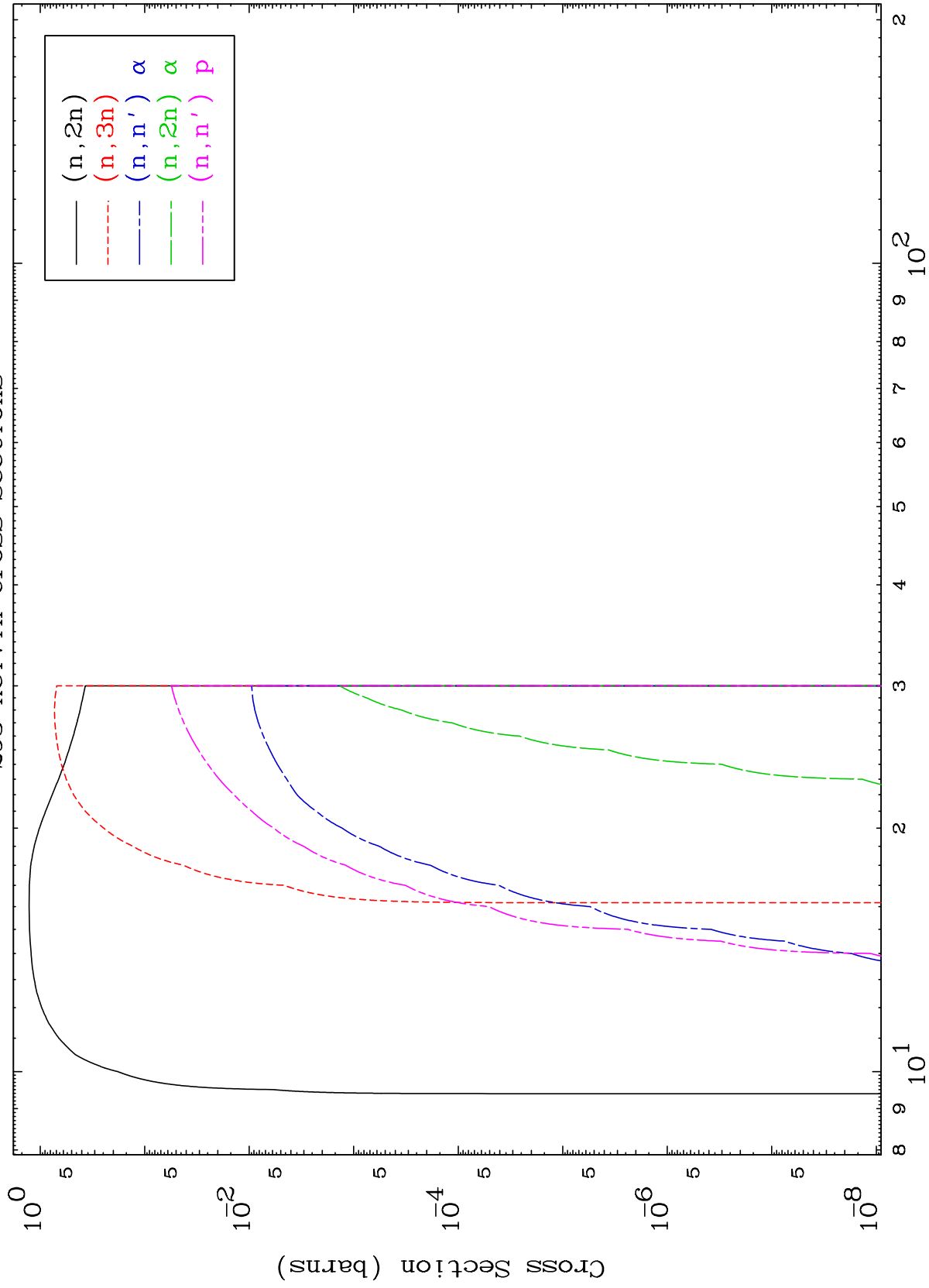
34-Se-82



MAT 3449

Neutron Production
293 Kelvin Cross Sections

34-Se-82



2

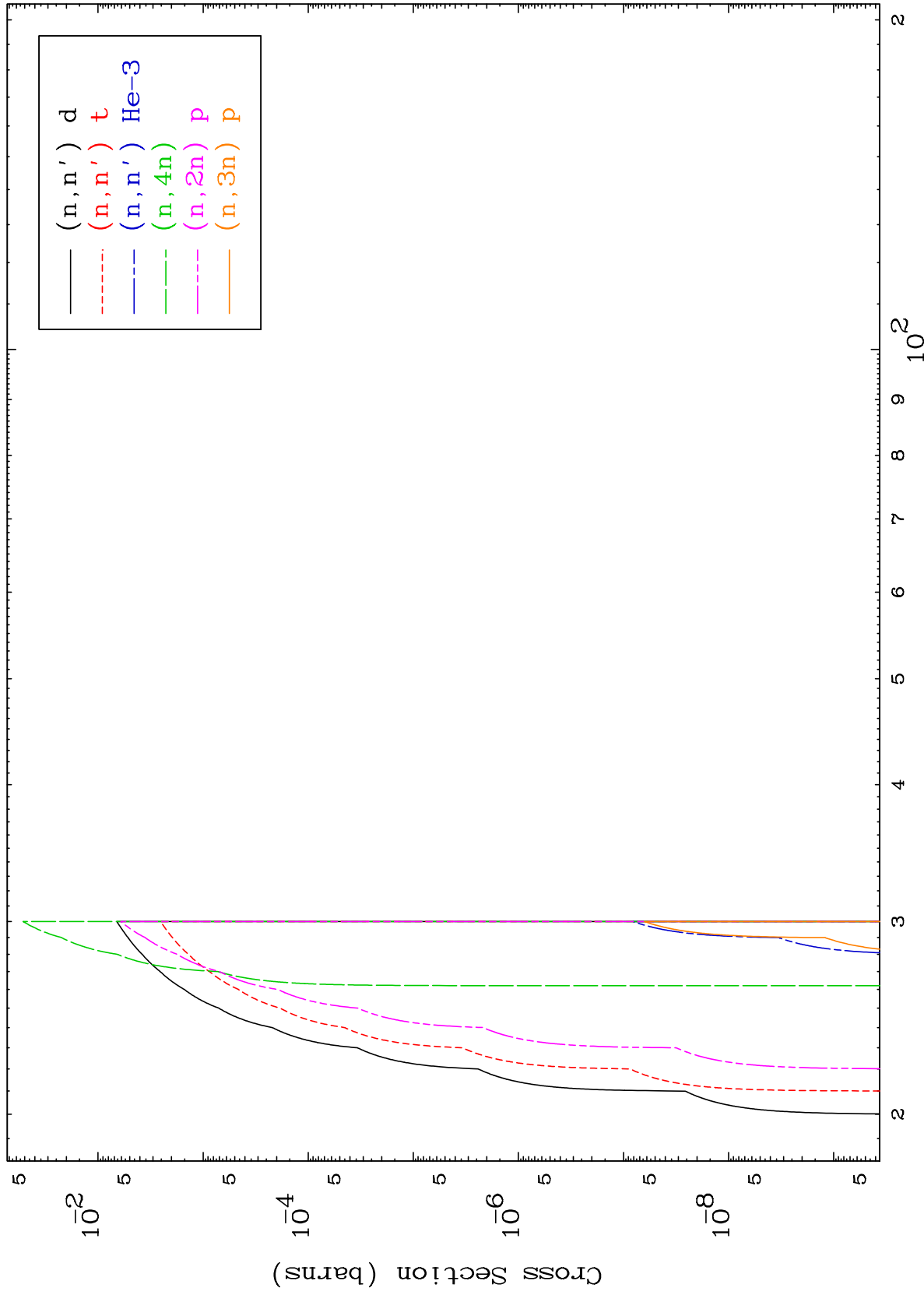
Incident Energy (MeV)

34-Se-82

MAT 3449

Neutron Production
293 Kelvin Cross Sections

34-Se-82



3

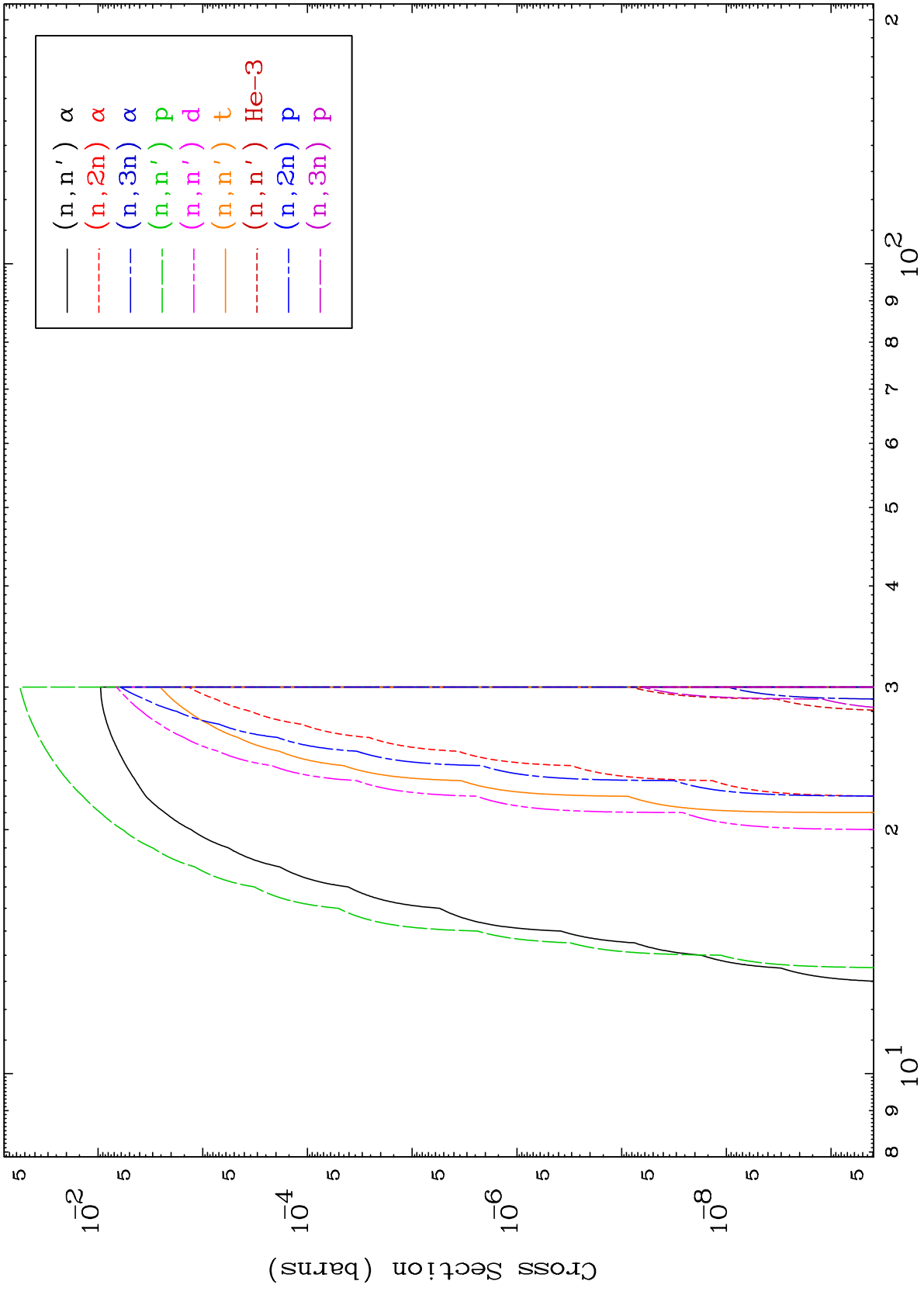
Incident Energy (MeV)

34-Se-82

MAT 3449

Charged Particle
293 Kelvin Cross Sections

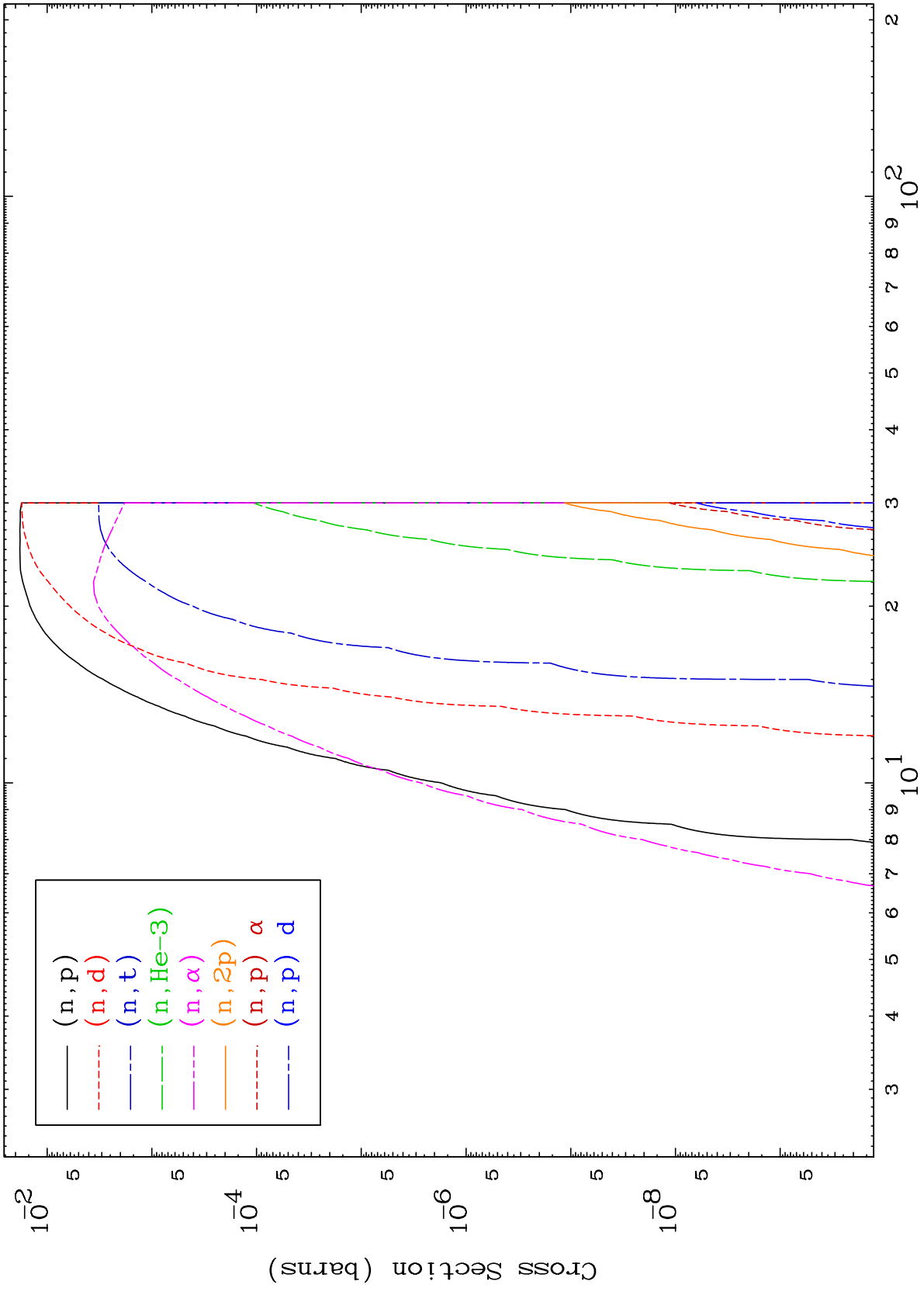
34-Se-82

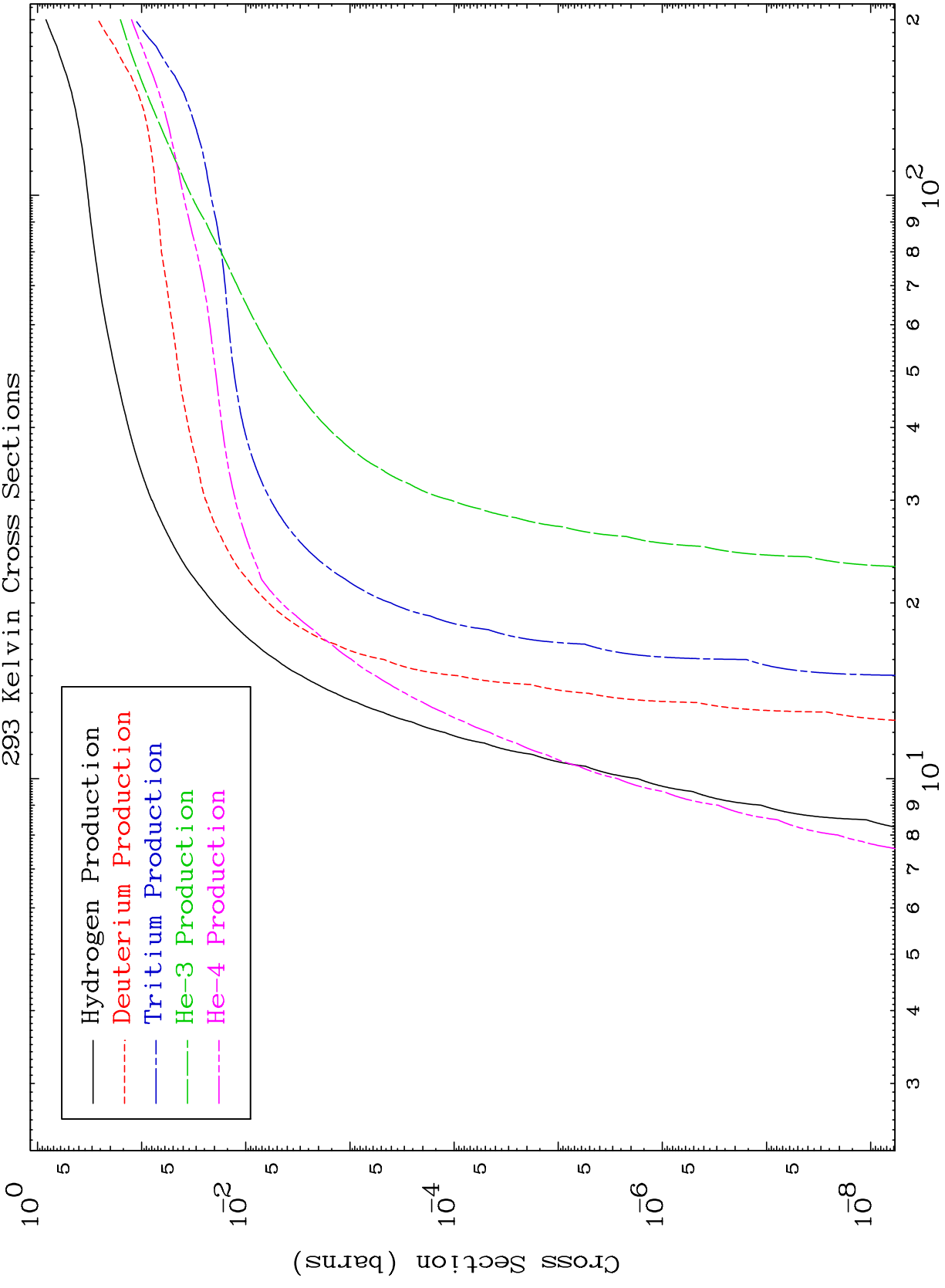


4

Incident Energy (MeV)

34-Se-82

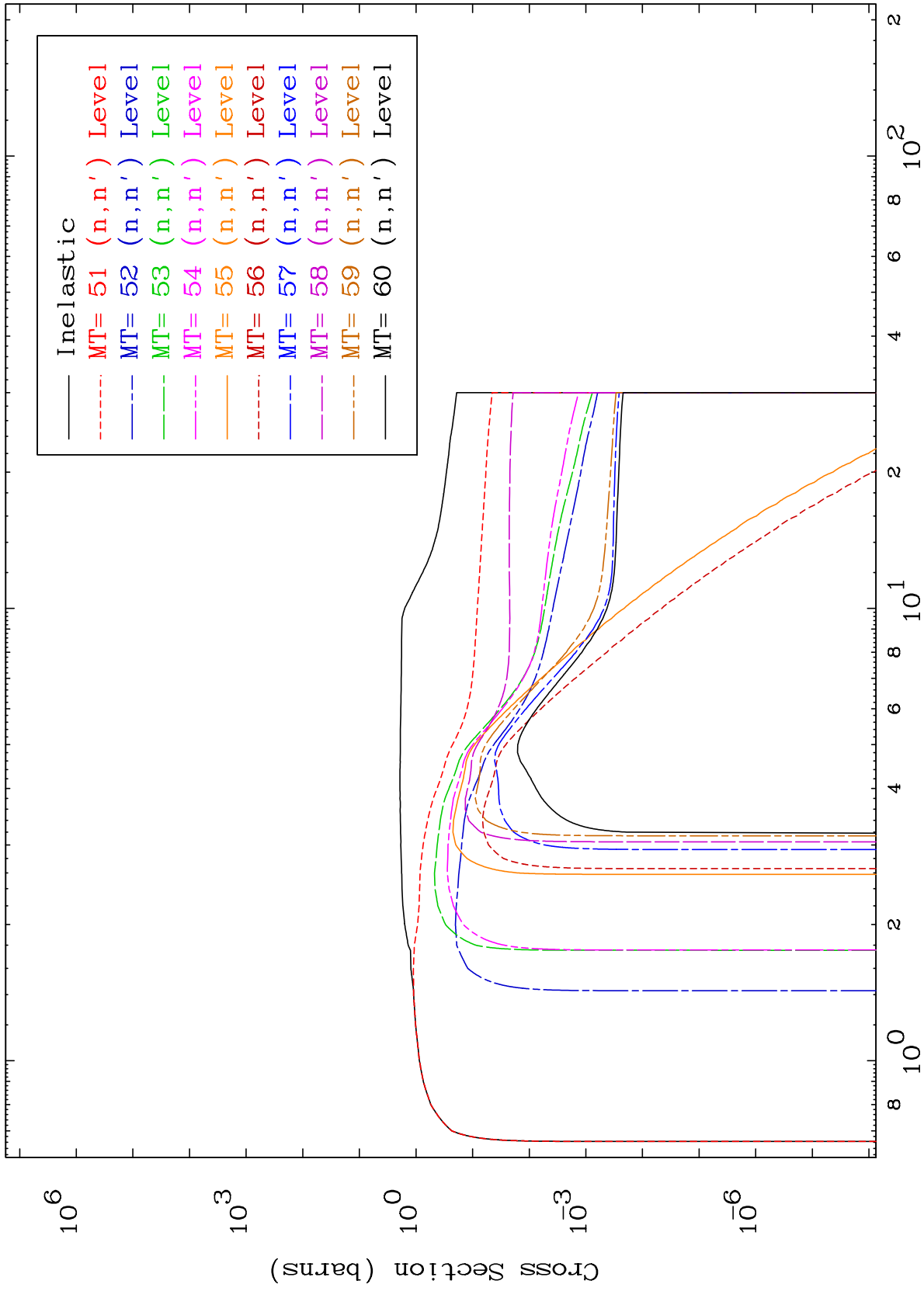




MAT 3449

(n,n') Level
293 Kelvin Cross Sections

34-Se-82



7

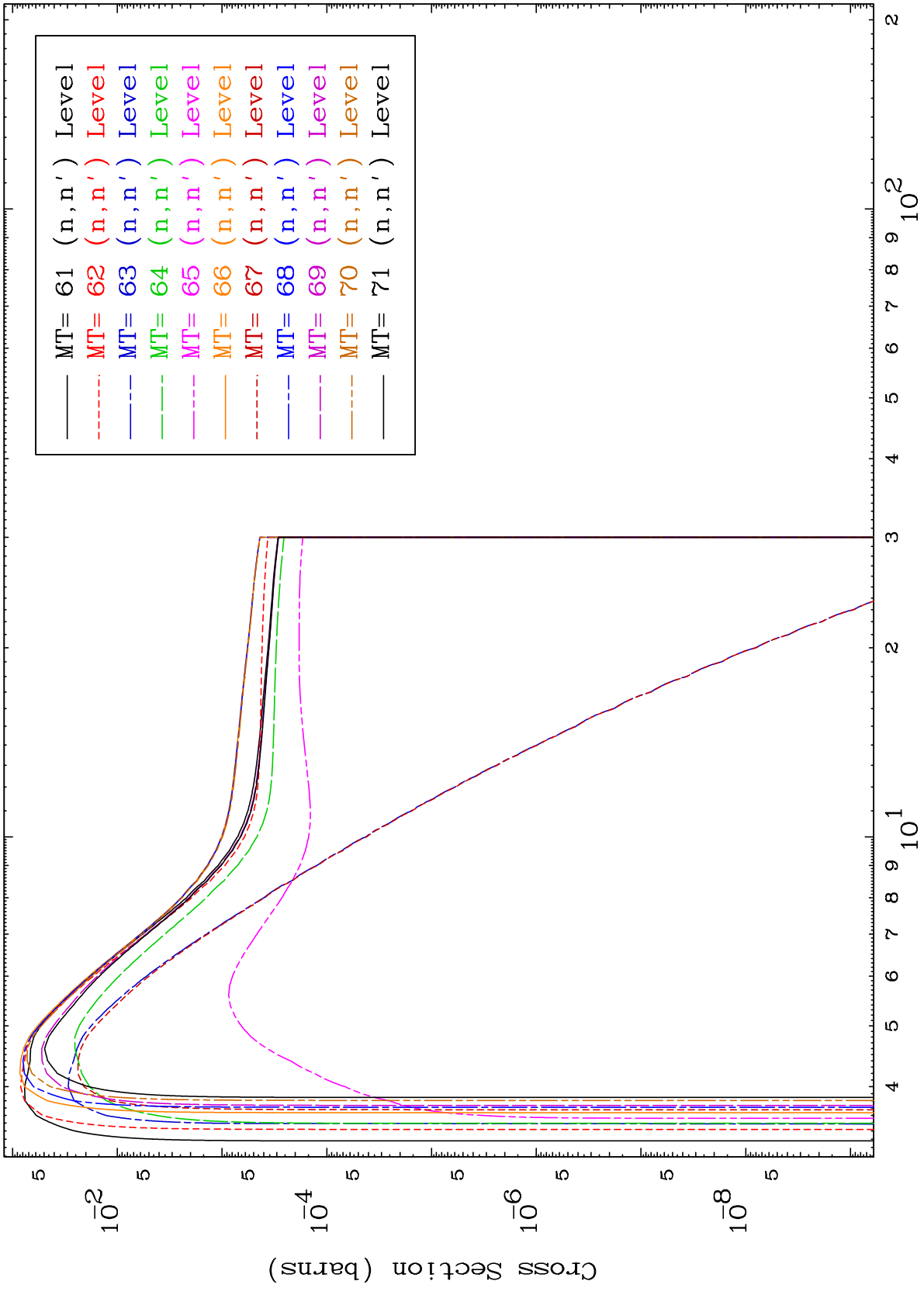
Incident Energy (MeV)

34-Se-82

MAT 3449

(n,n') Level
293 Kelvin Cross Sections

34-Se-82



8

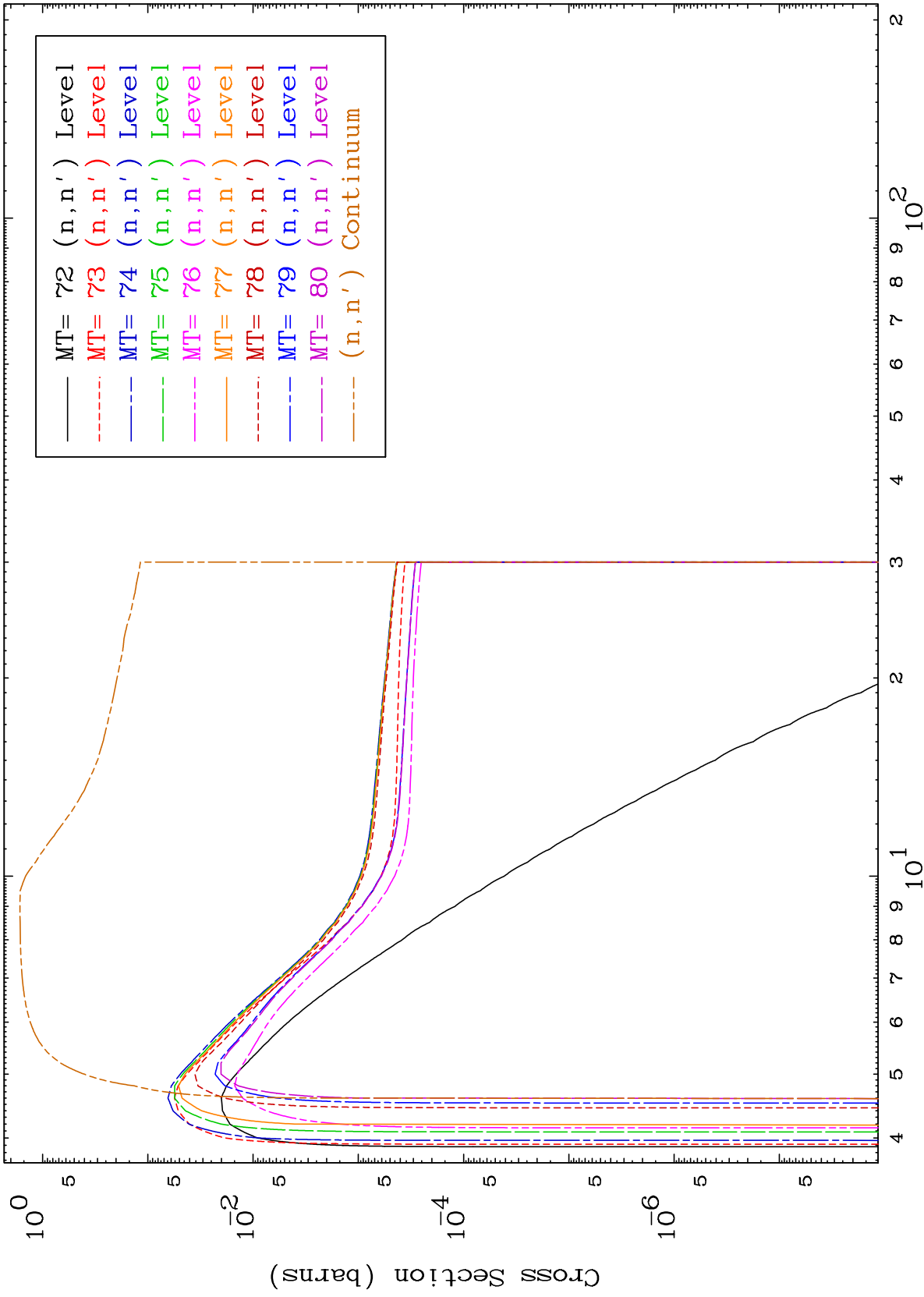
Incident Energy (MeV)

34-Se-82

MAT 3449

(n,n') Level
293 Kelvin Cross Sections

34-Se-82



9

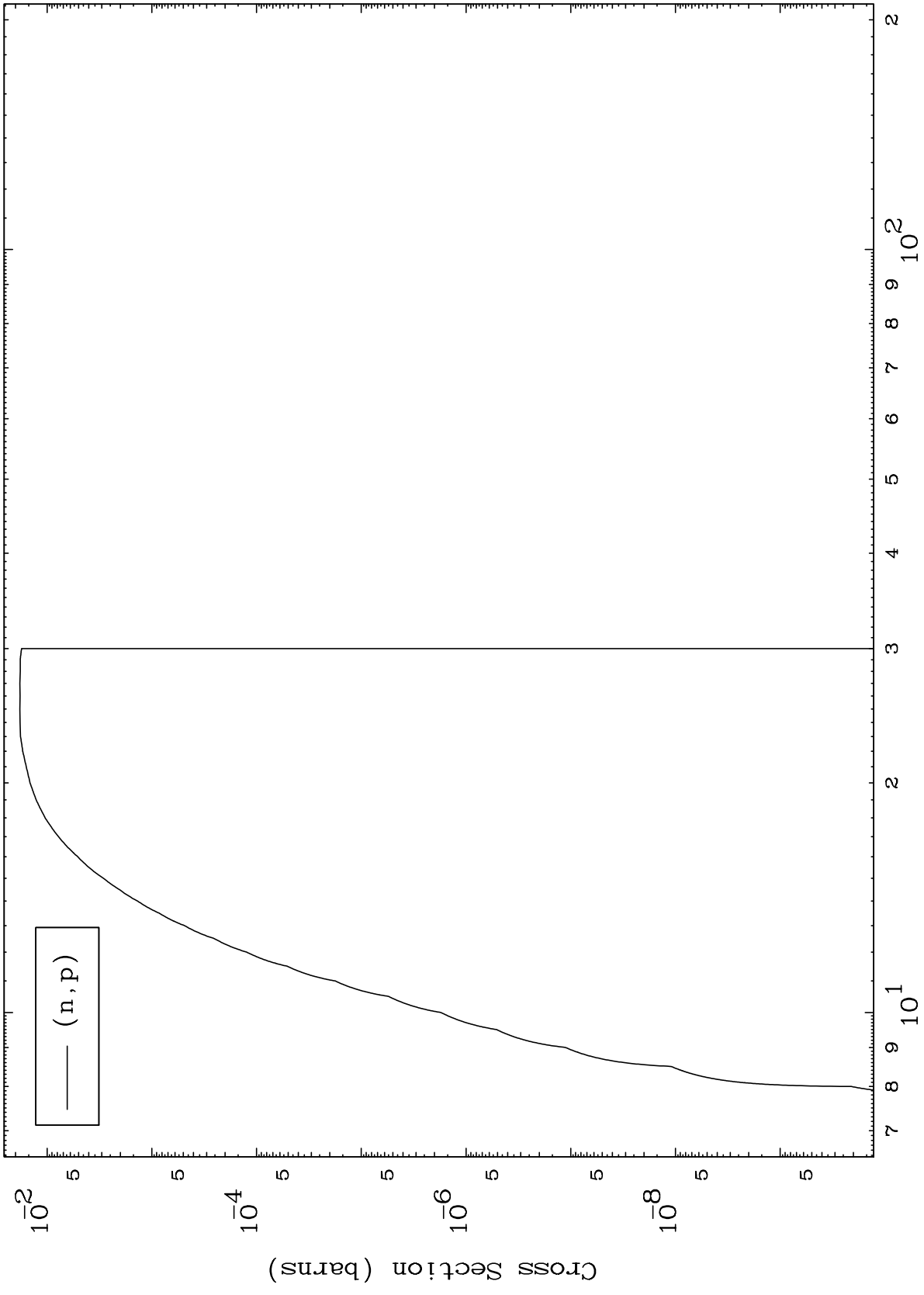
Incident Energy (MeV)

34-Se-82

MAT 3449

(n,p) Levels
293 Kelvin Cross Sections

34-Se-82



10

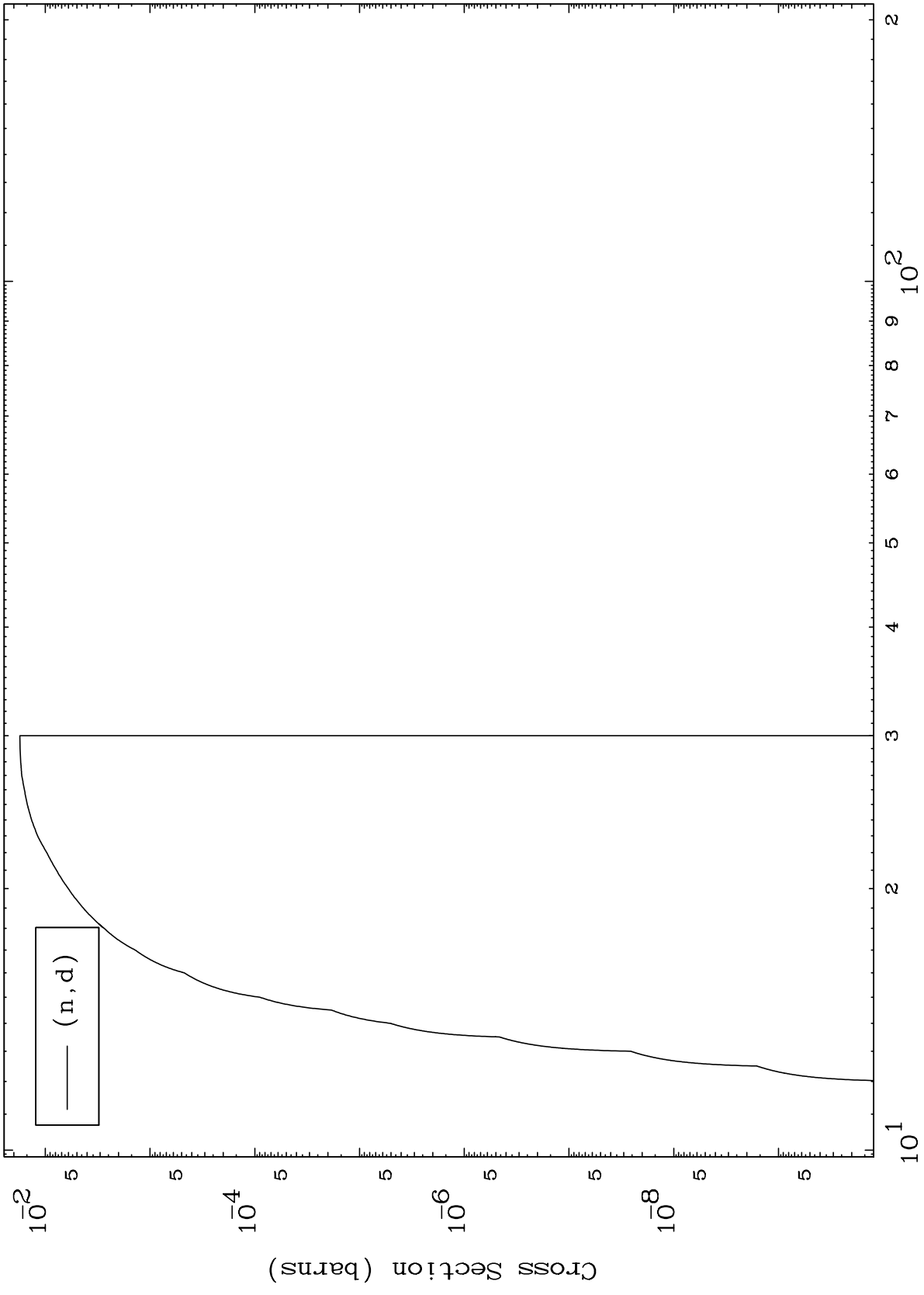
Incident Energy (MeV)

34-Se-82

MAT 3449

(n,d) Levels
293 Kelvin Cross Sections

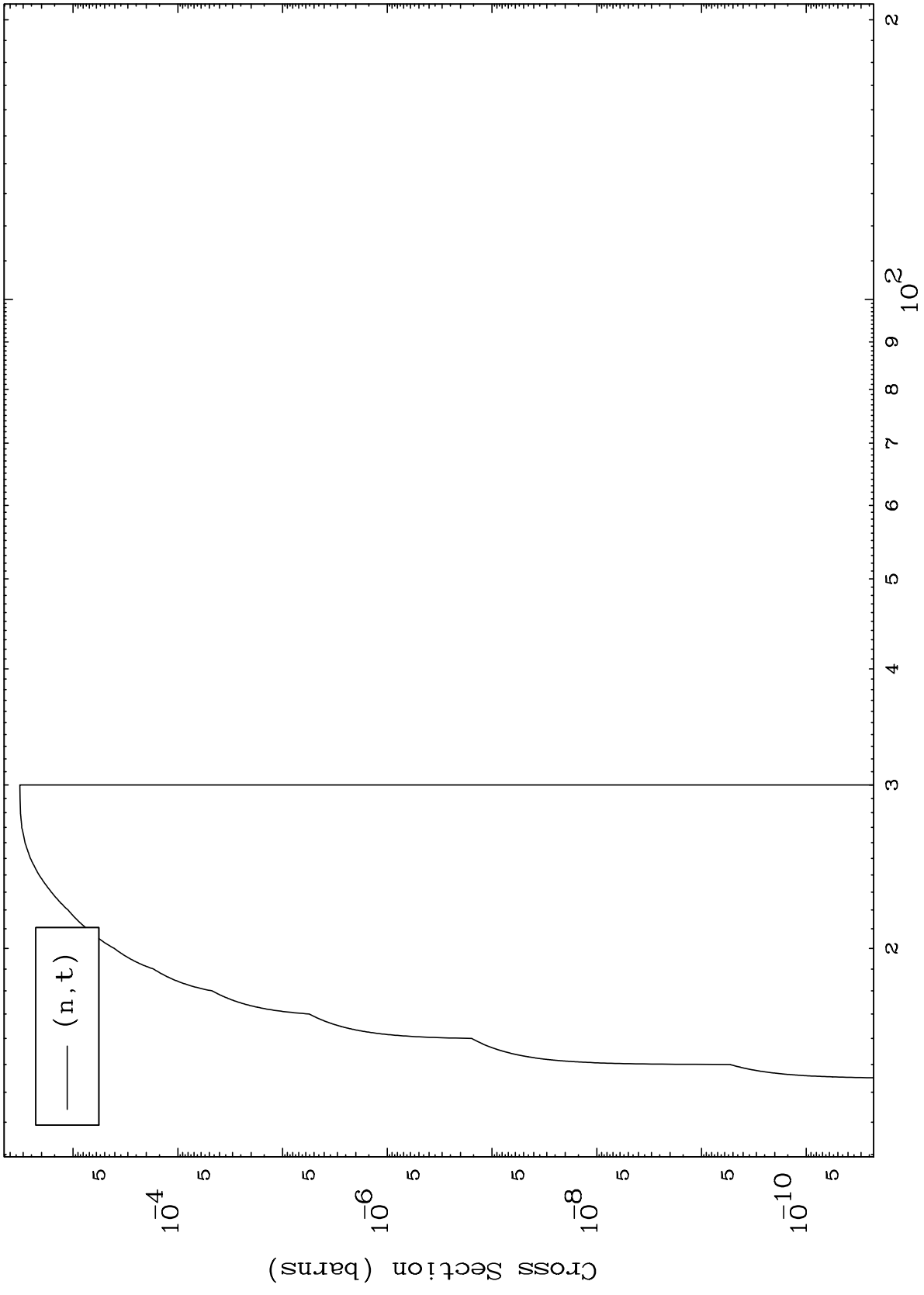
34-Se-82



11

Incident Energy (MeV)

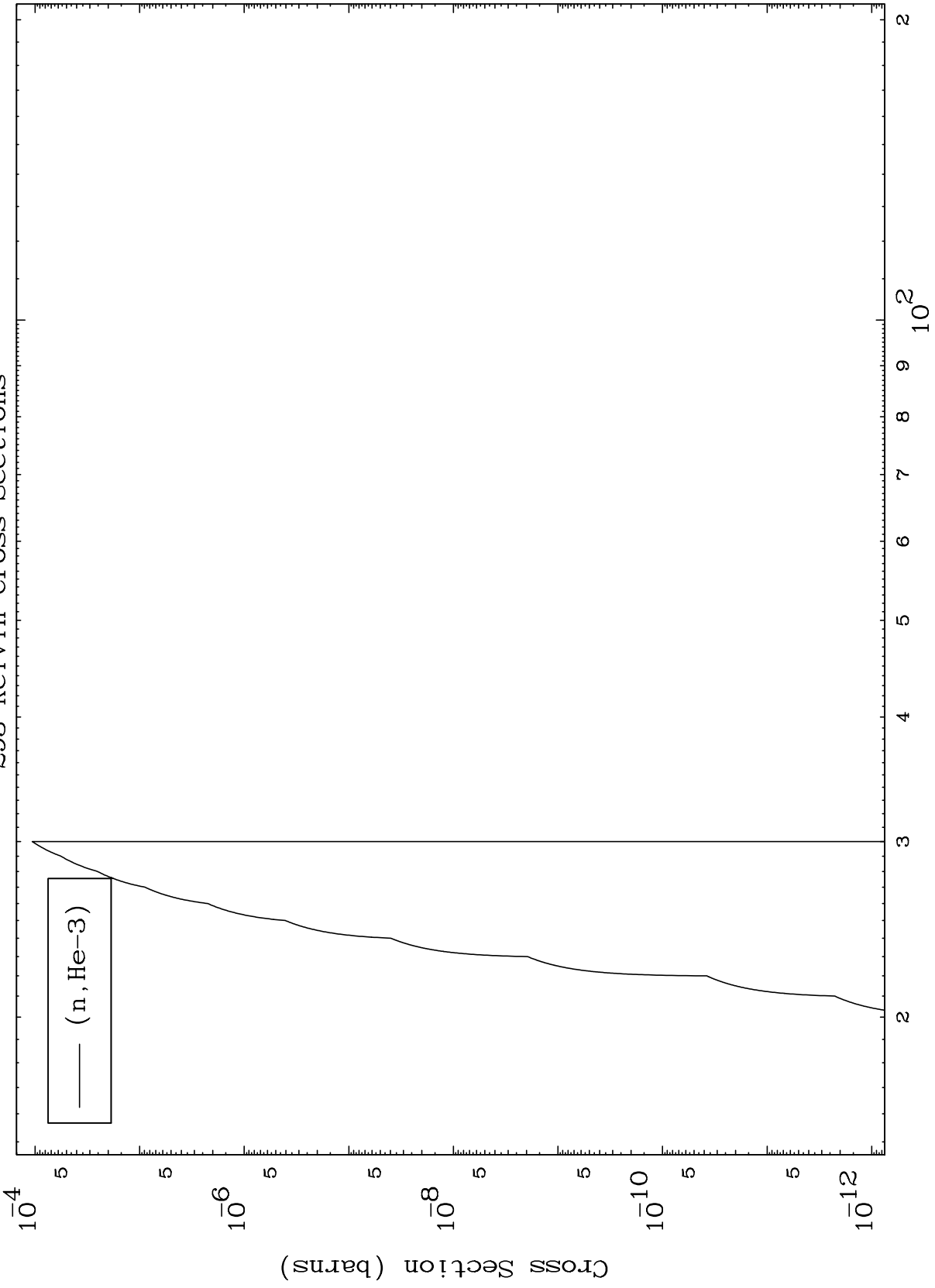
34-Se-82



MAT 3449

(n,He3) Levels
293 Kelvin Cross Sections

34-Se-82



13

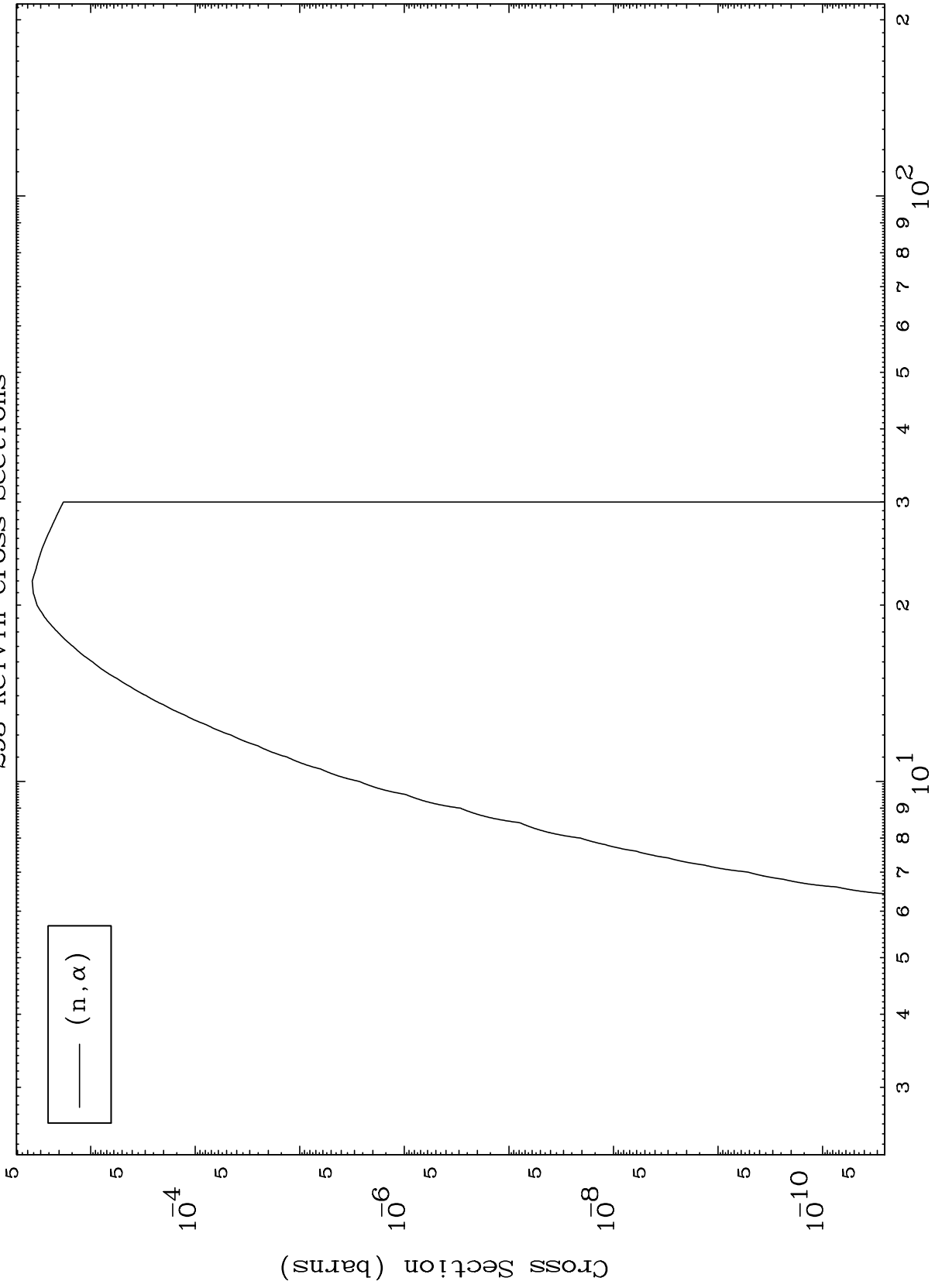
Incident Energy (MeV)

34-Se-82

MAT 3449

34-Se-82

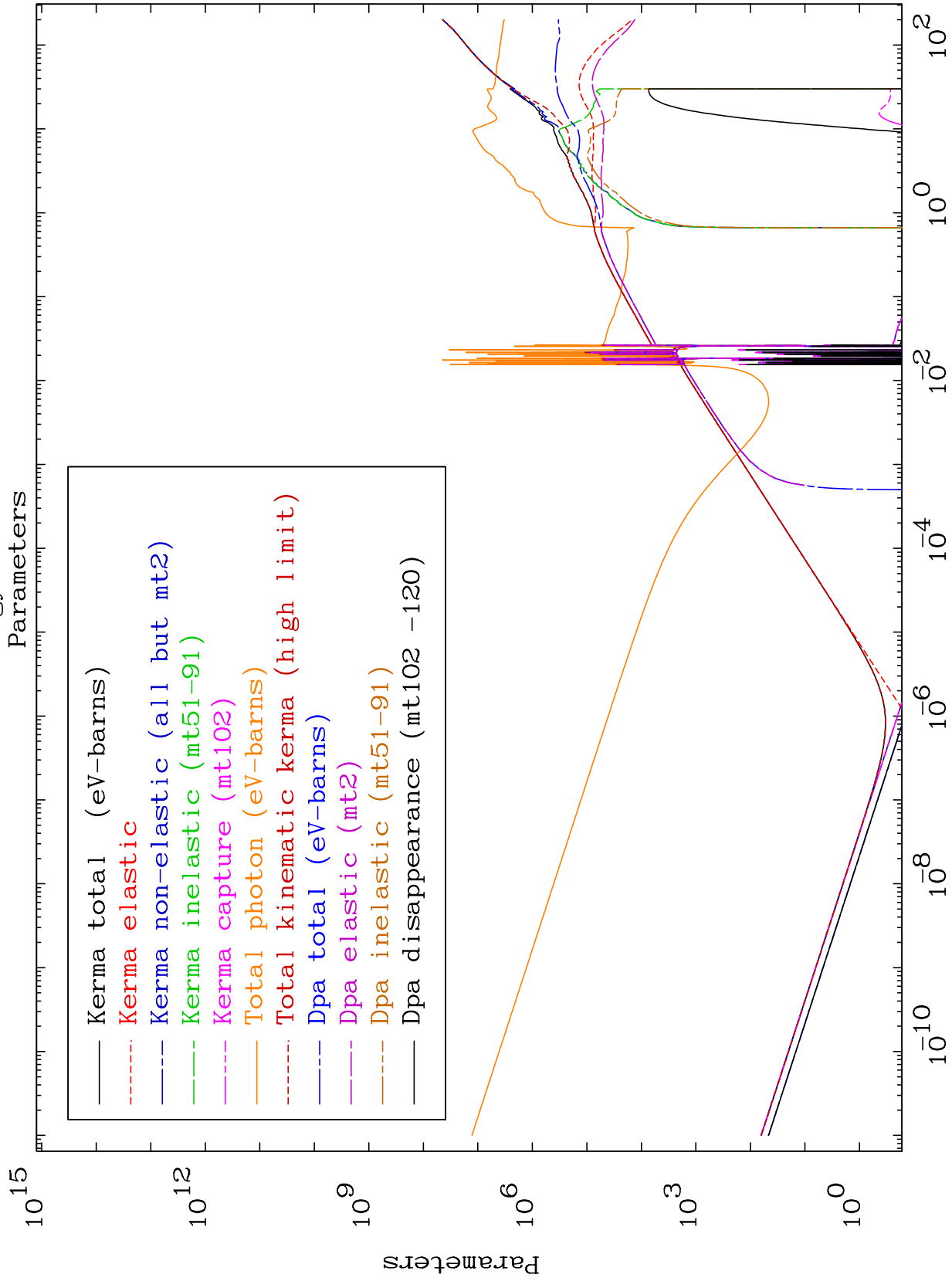
(n,α) Levels
293 Kelvin Cross Sections



14

Incident Energy (MeV)

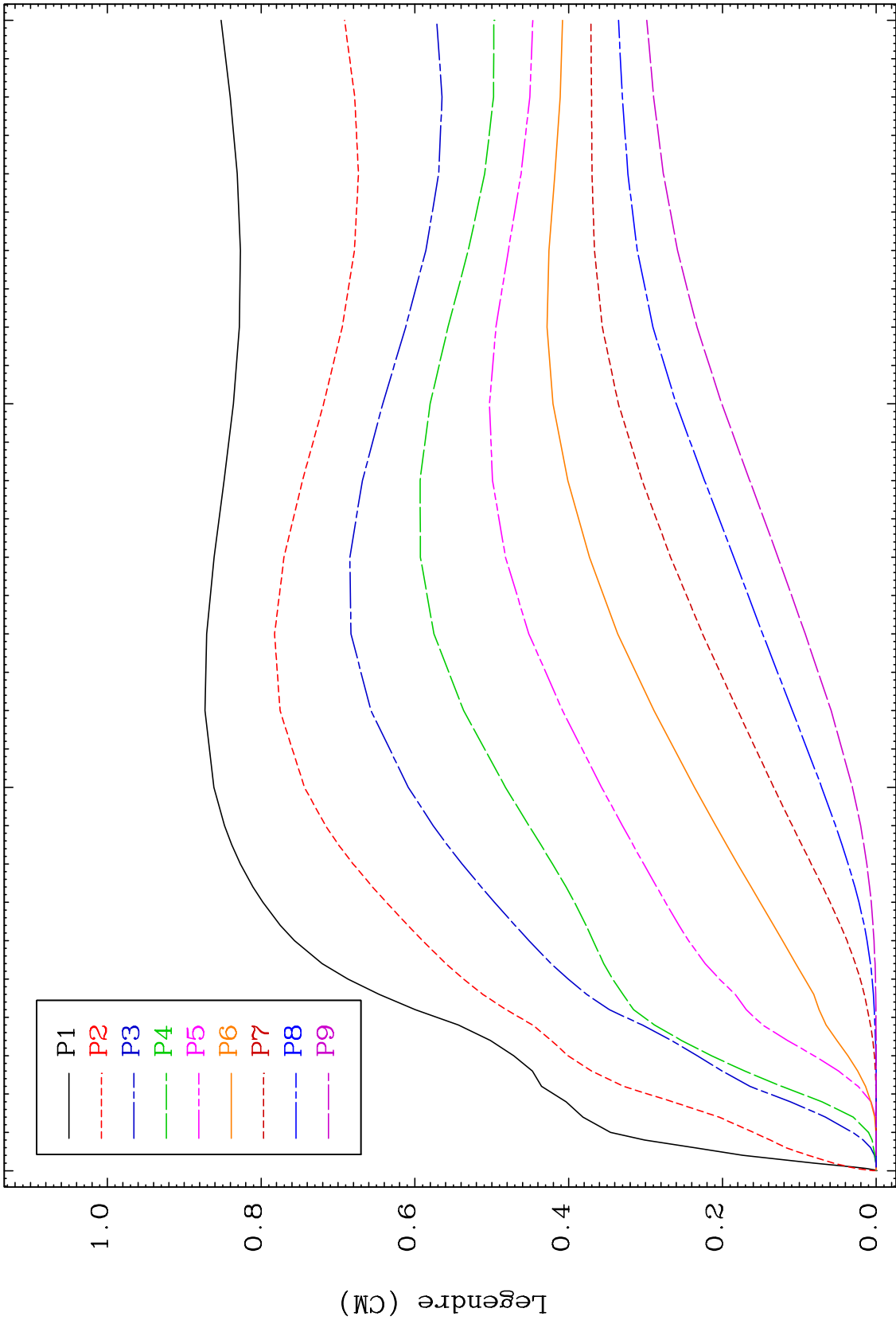
34-Se-82



MAT 3449

Elastic Legendre Coefficients

³⁴Se-82



16

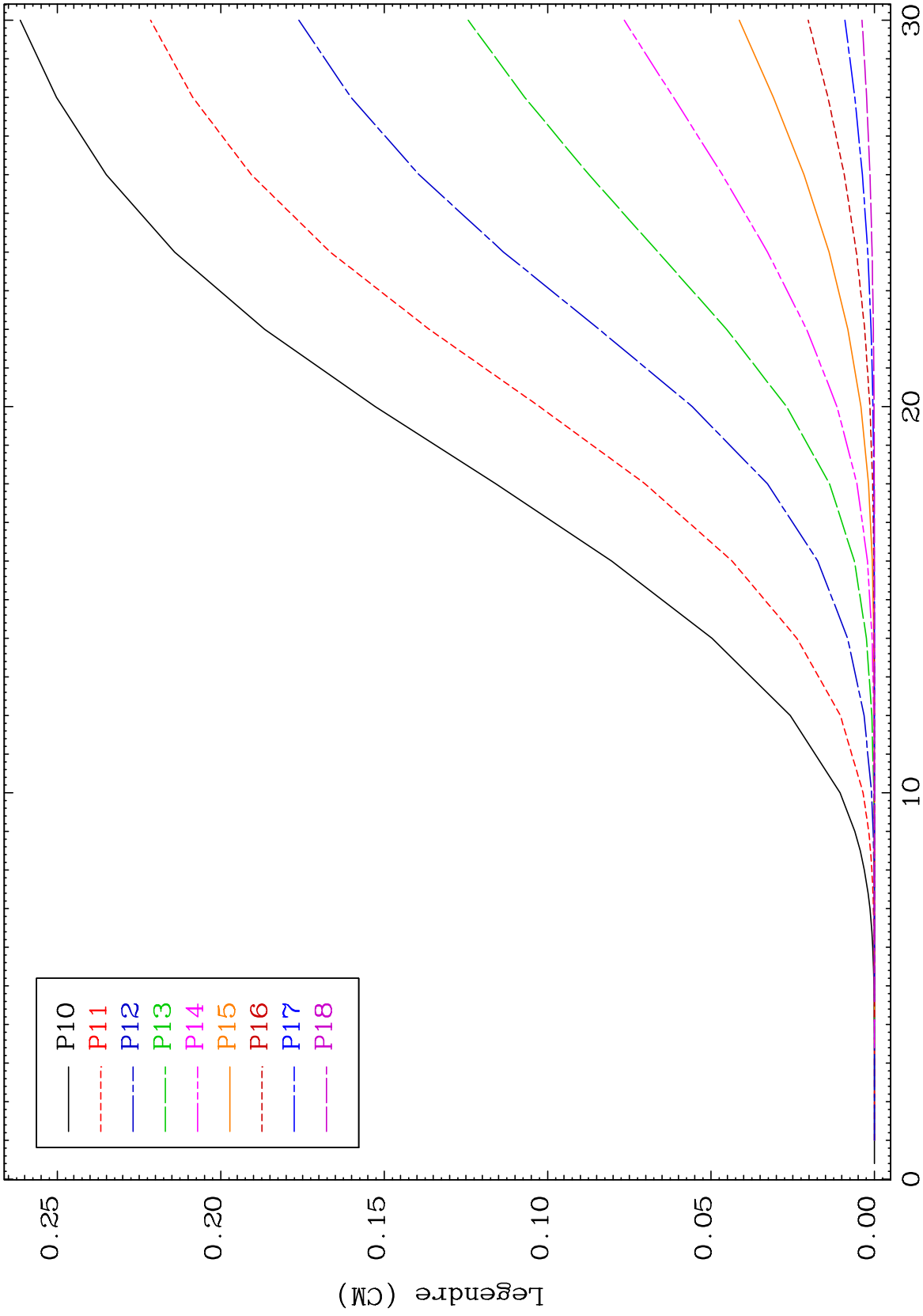
Incident Energy (MeV)

³⁴Se-82

MAT 3449

Elastic Legendre Coefficients

³⁴Se-82



17

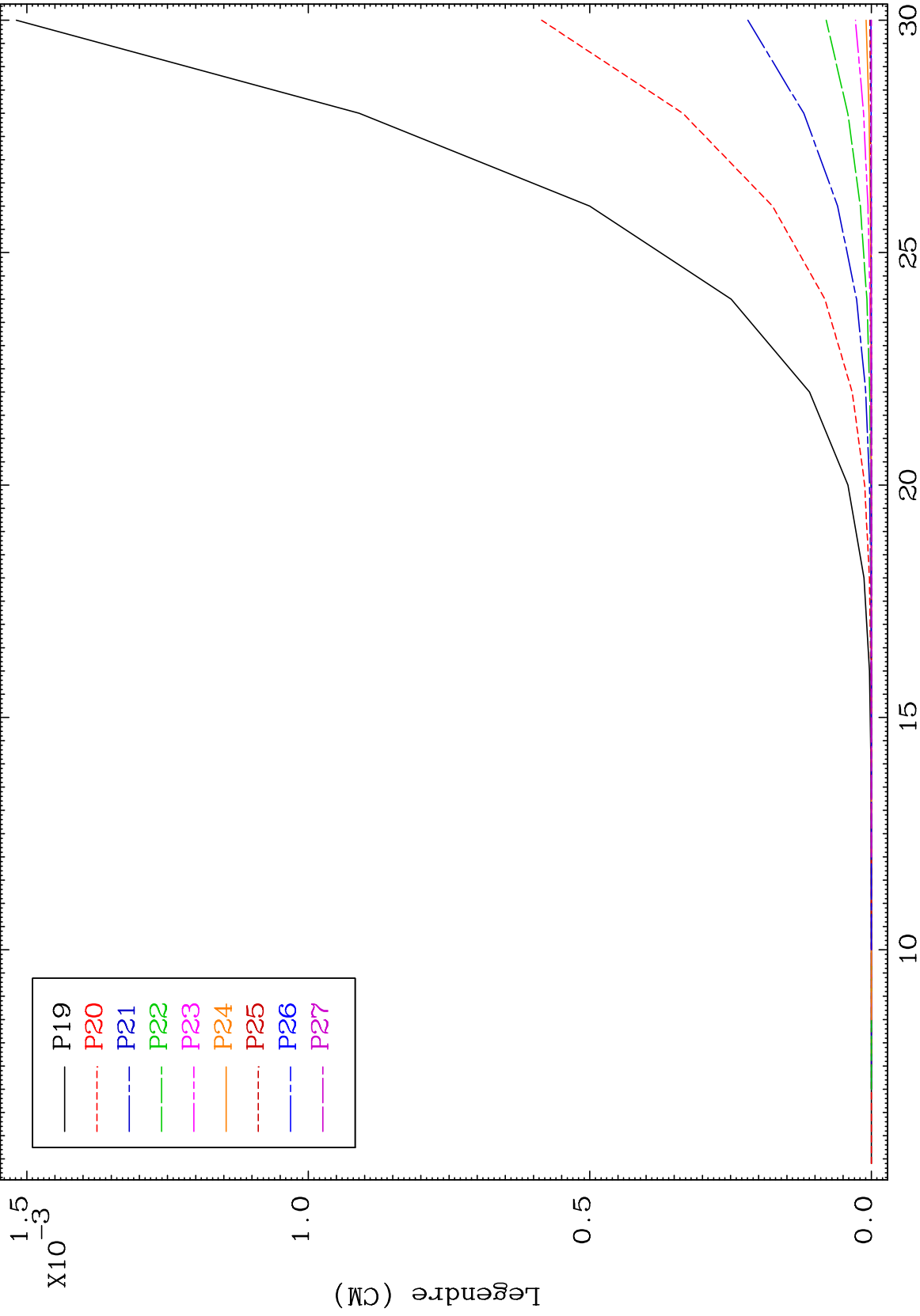
Incident Energy (MeV)

³⁴Se-82

MAT 3449

Elastic Legendre Coefficients

³⁴Se-82



18

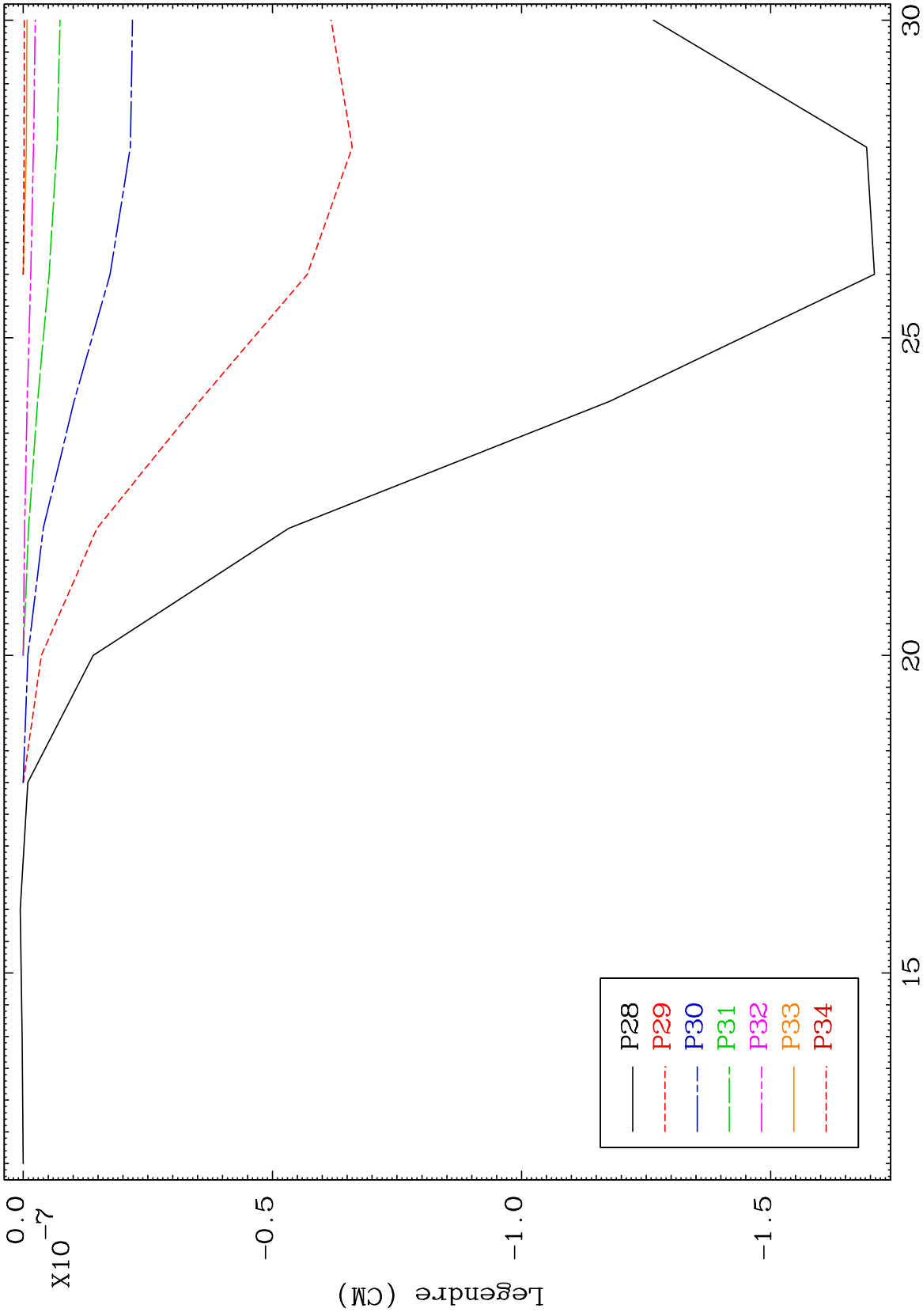
Incident Energy (MeV)

³⁴Se-82

MAT 3449

34-Se-82

Elastic Legendre Coefficients



19

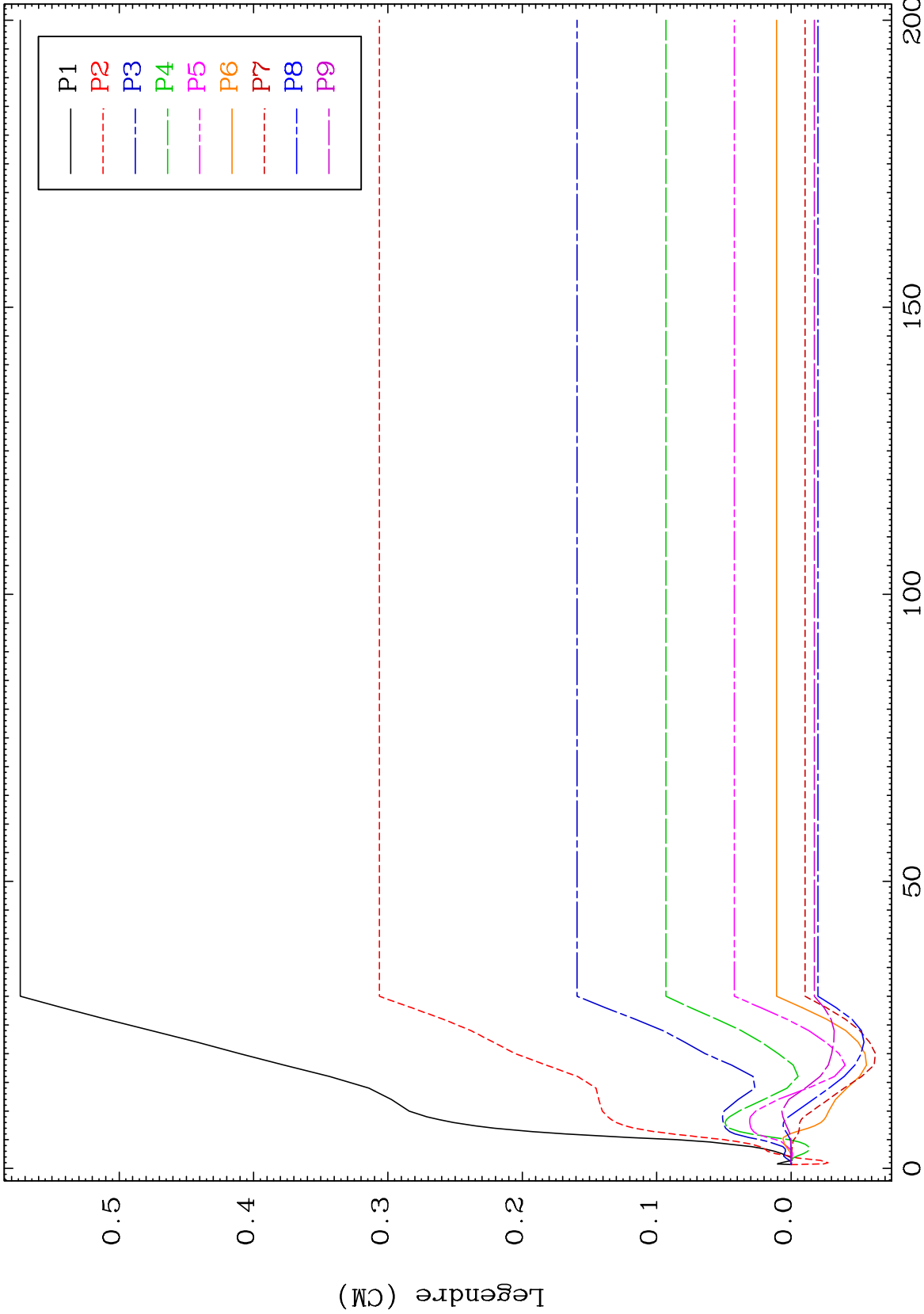
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



20

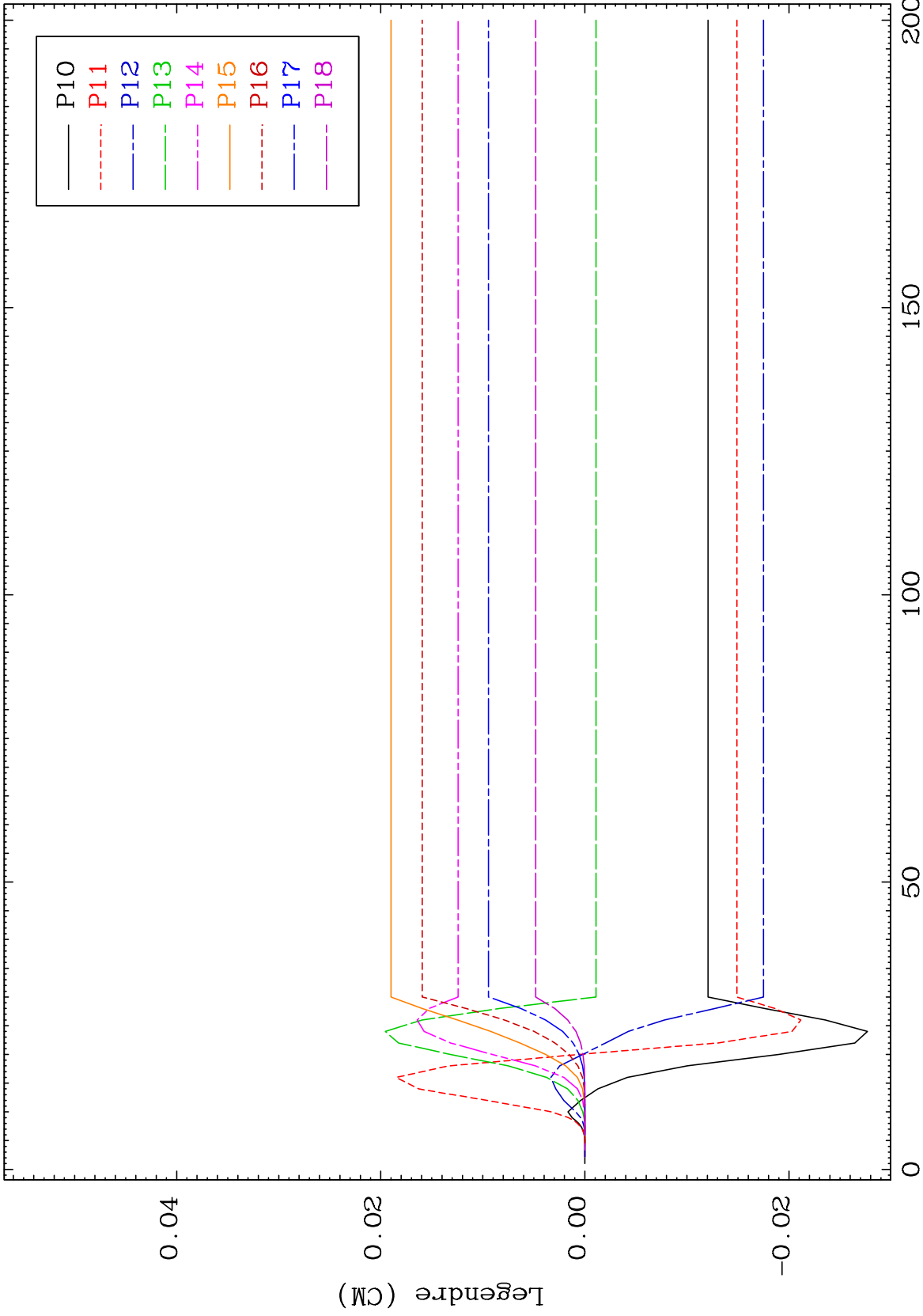
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



21

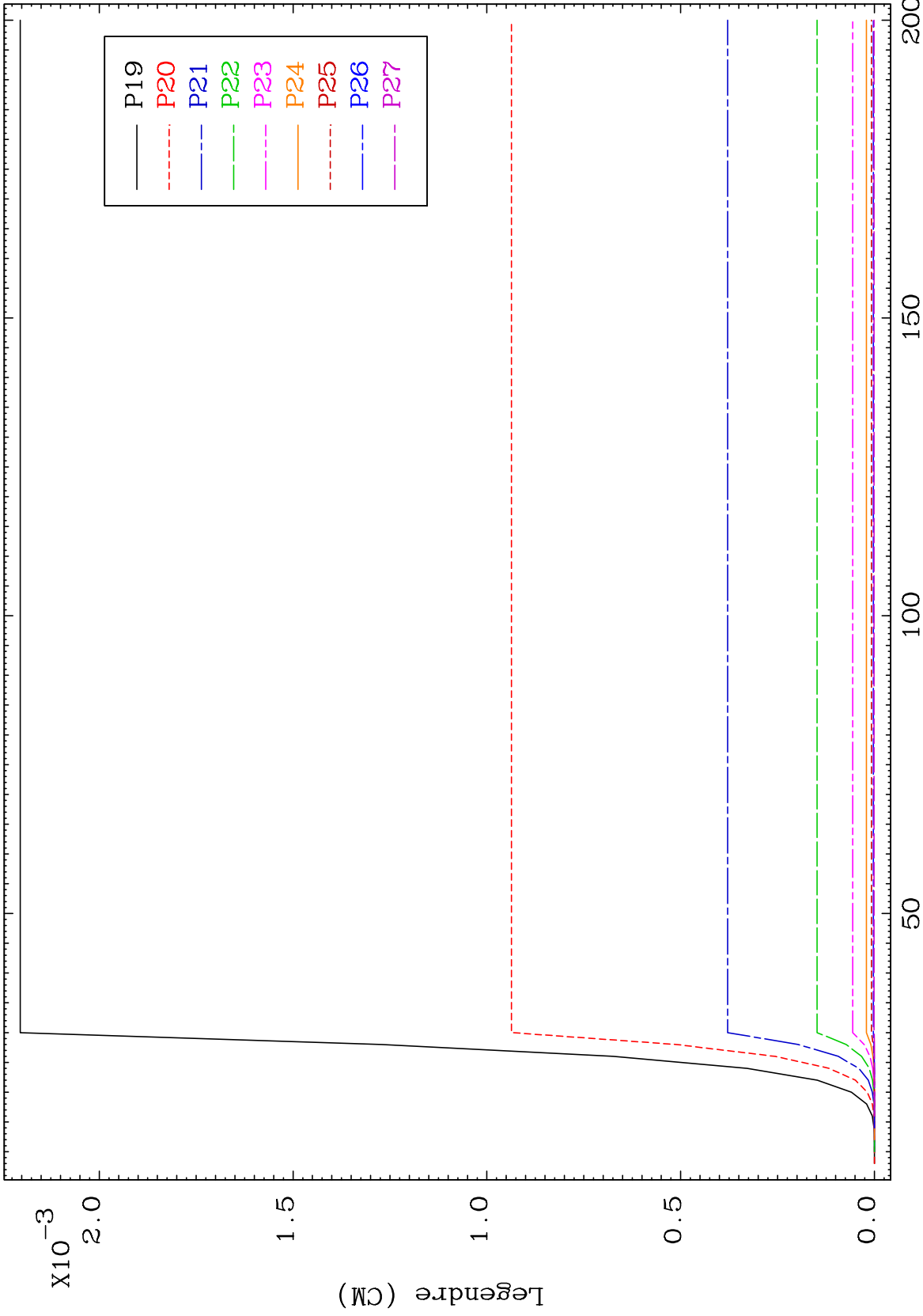
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



22

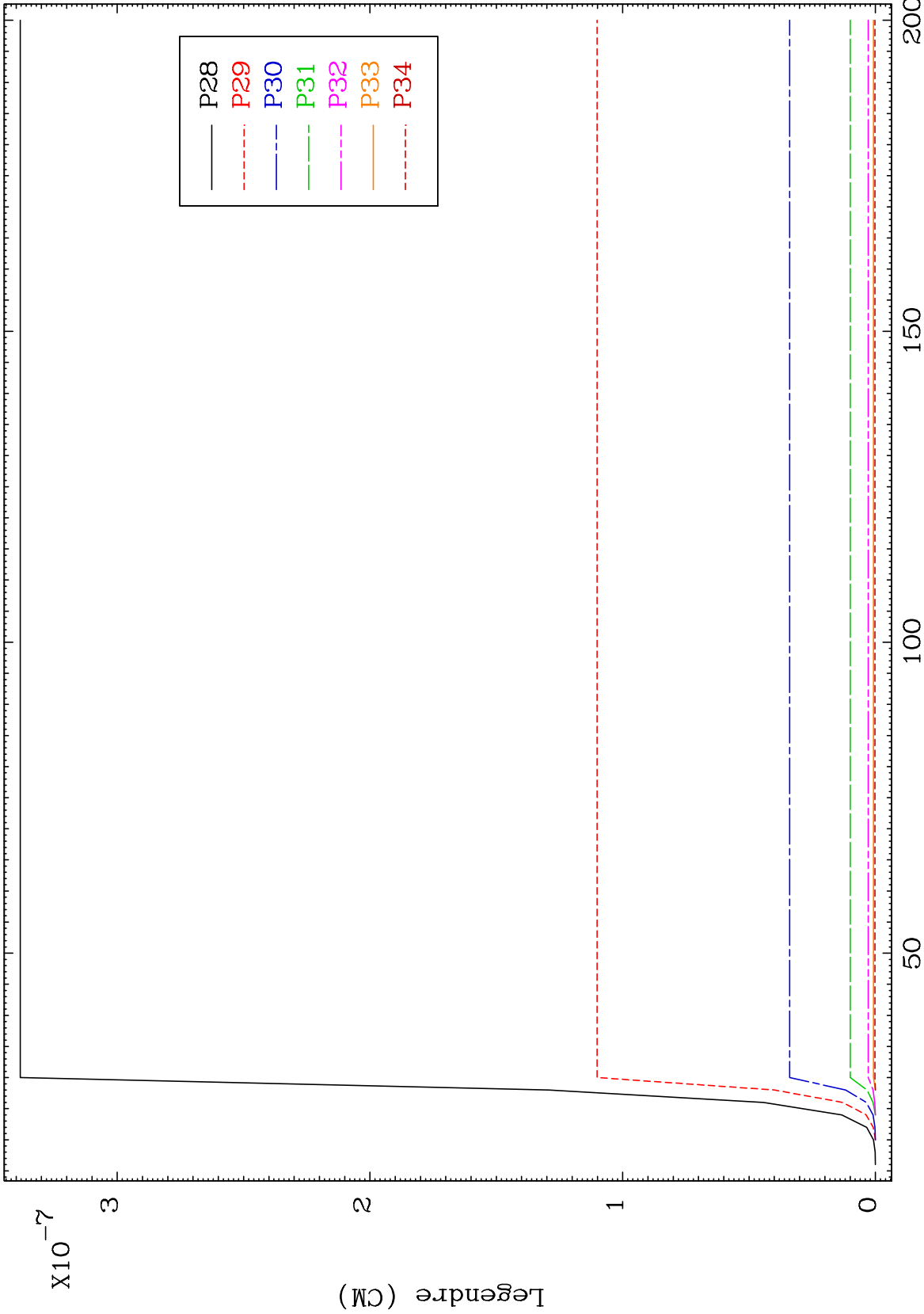
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



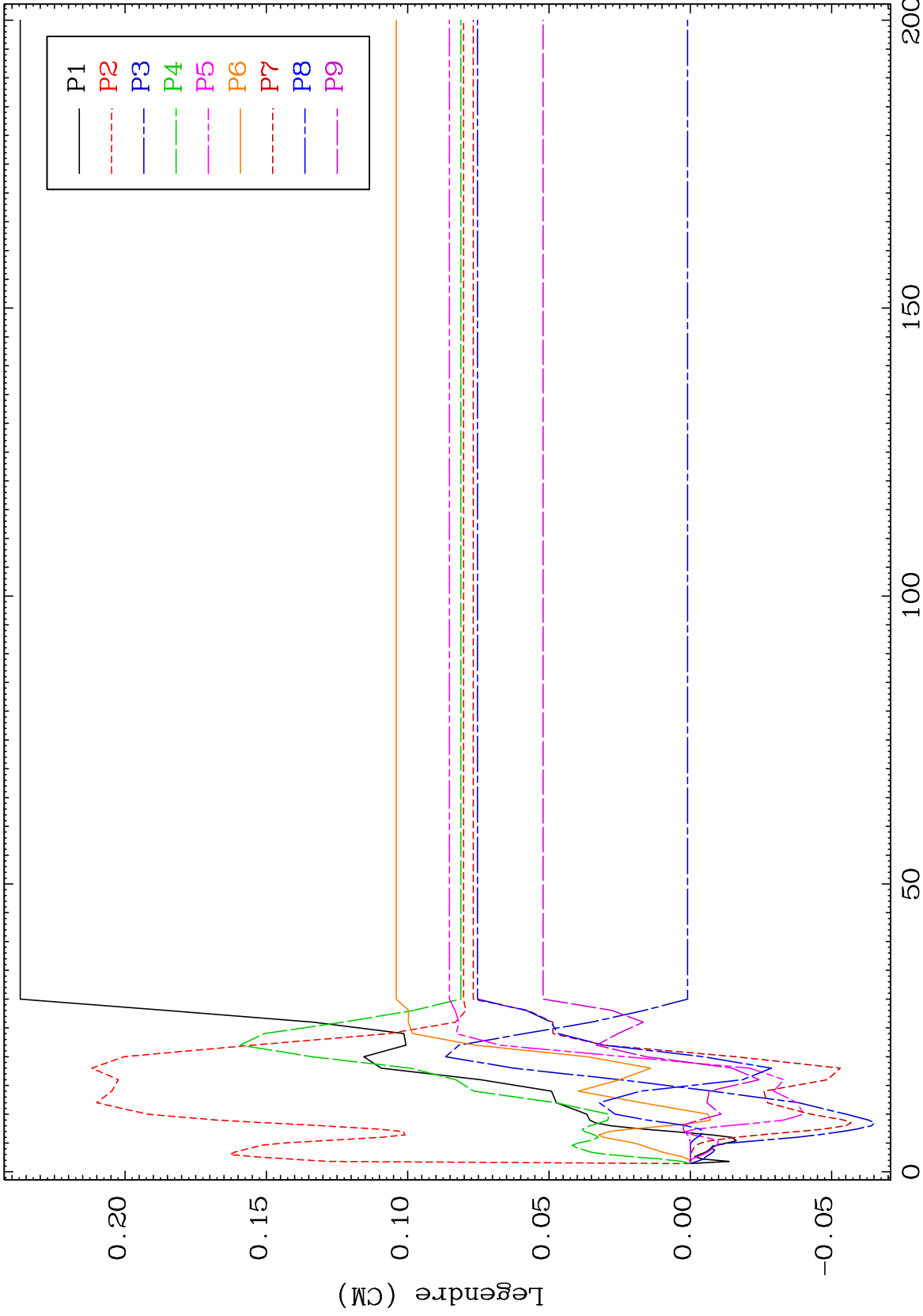
23

34-Se-82

MAT 3449

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

³⁴Se-82



24

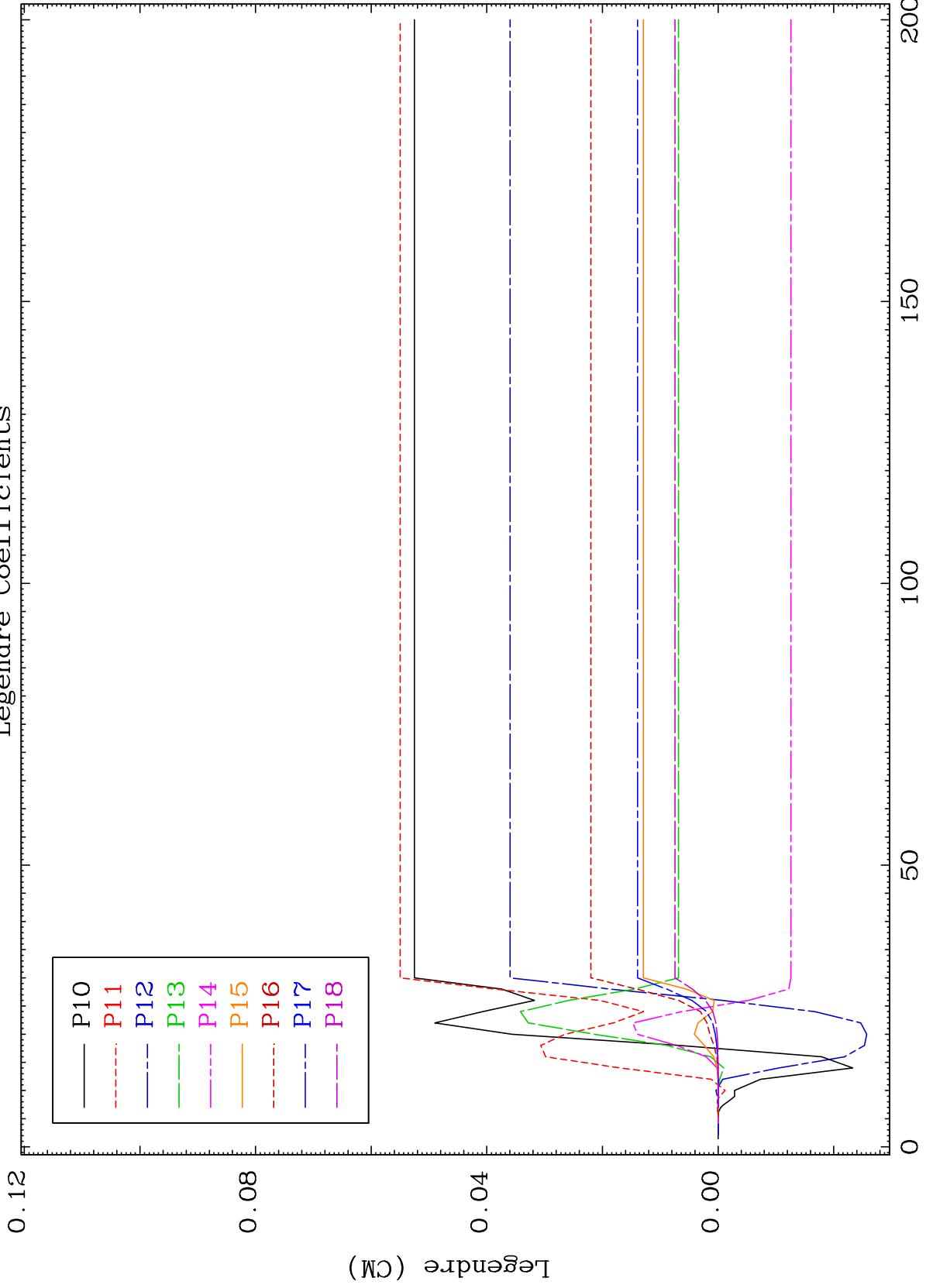
Incident Energy (MeV)

³⁴Se-82

MAT 3449

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

34-Se-82



34-Se-82

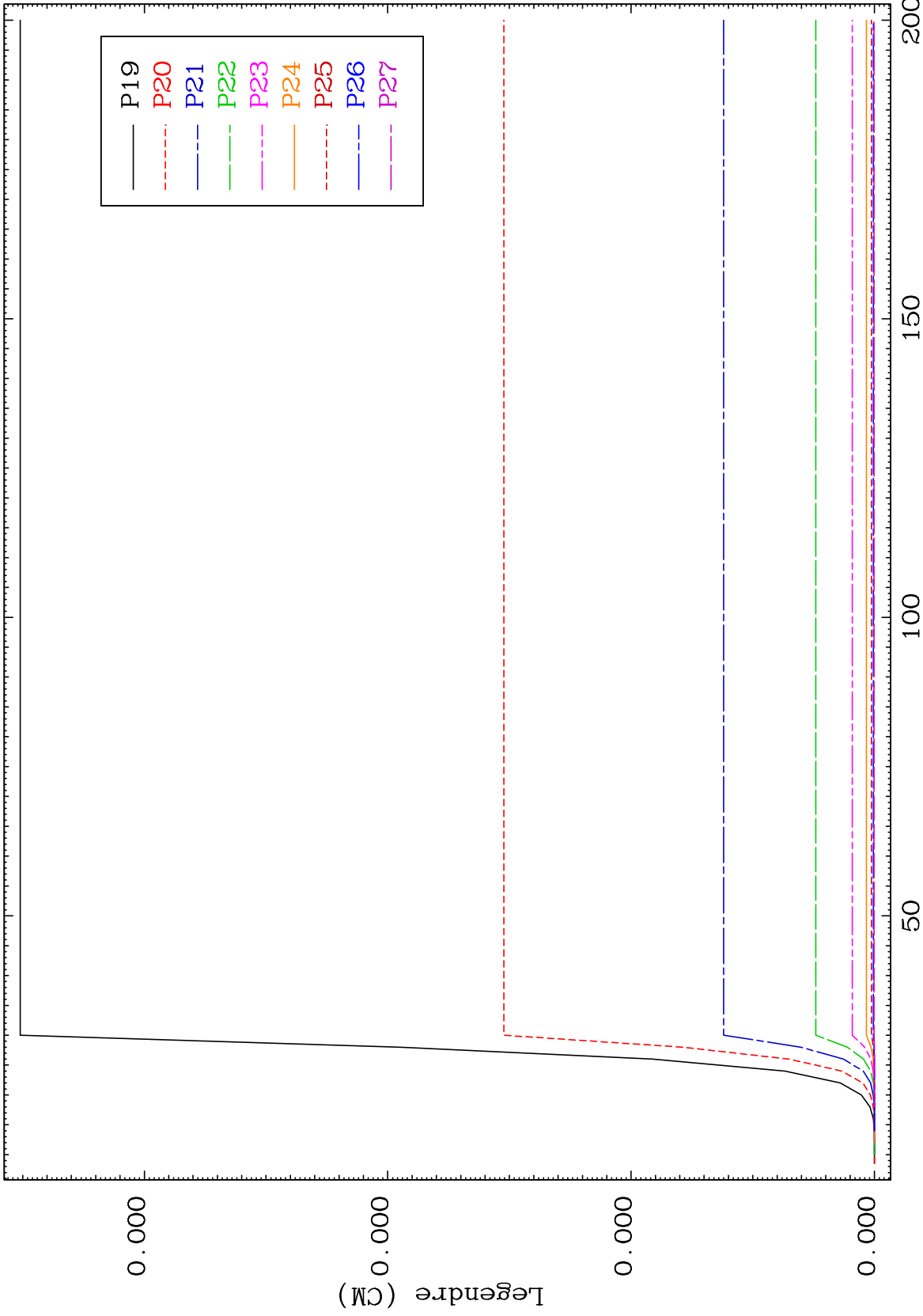
Incident Energy (MeV)

25

MAT 3449

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

34-Se-82



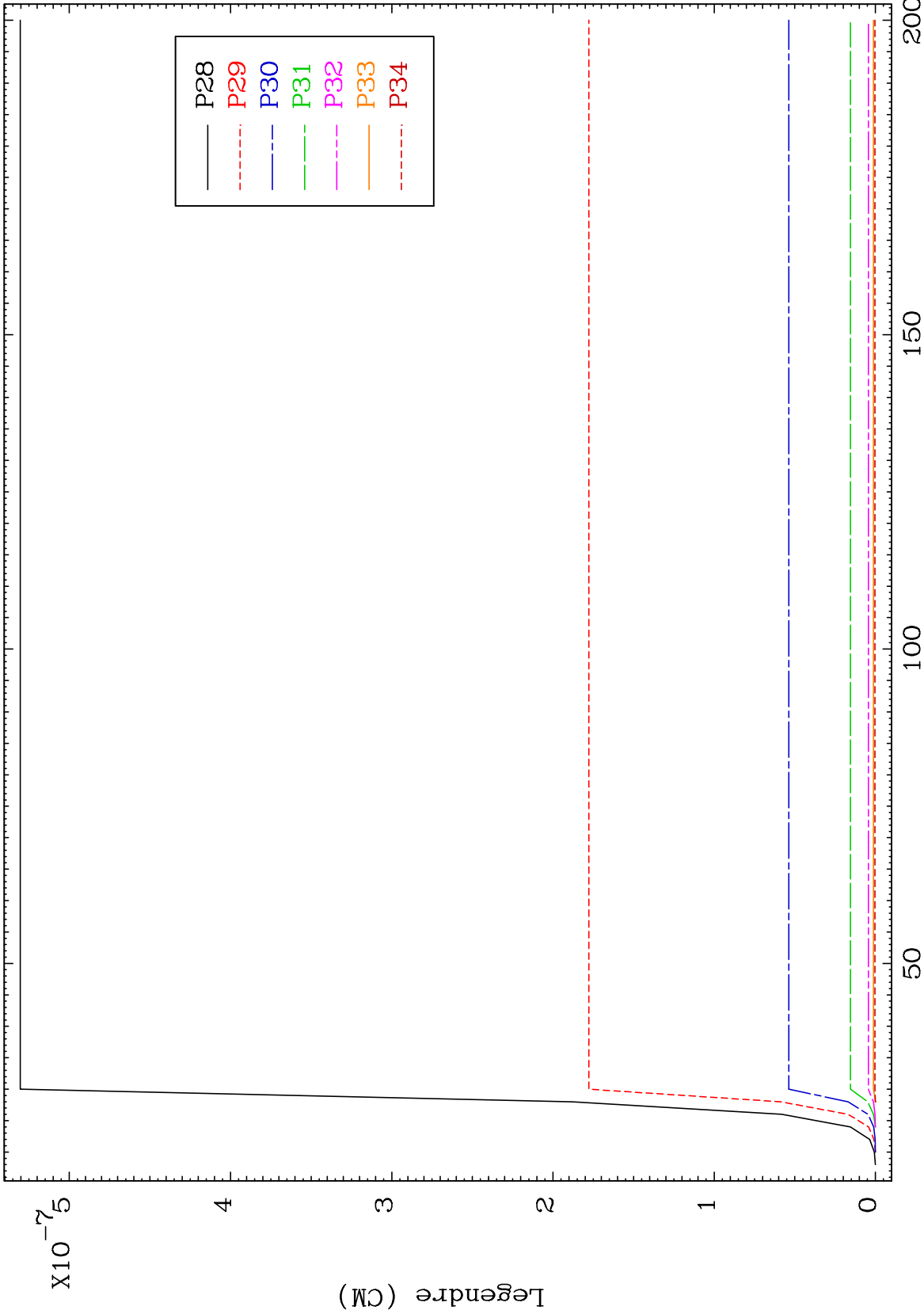
26

34-Se-82

MAT 3449

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

34-Se-82



27

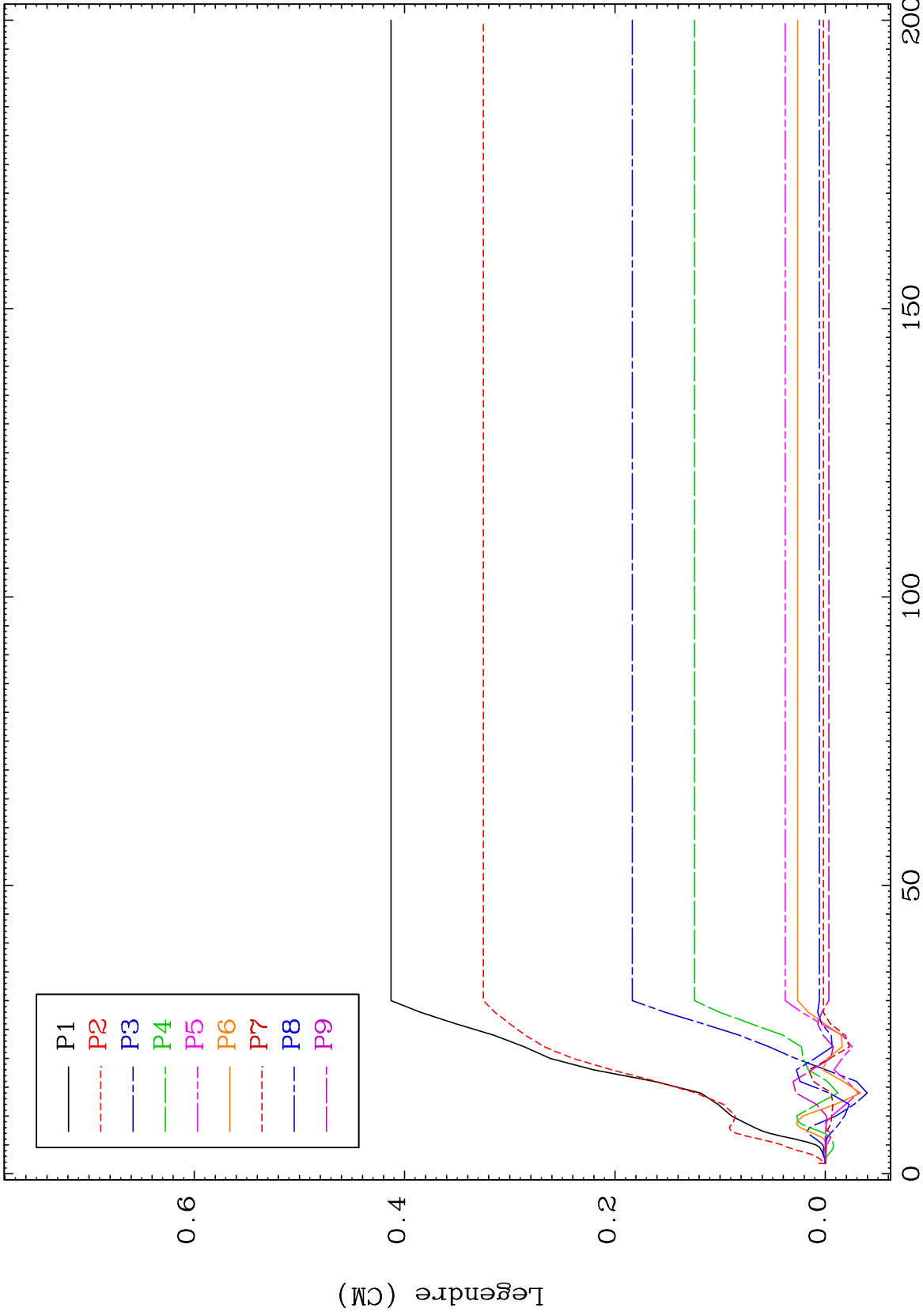
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



28

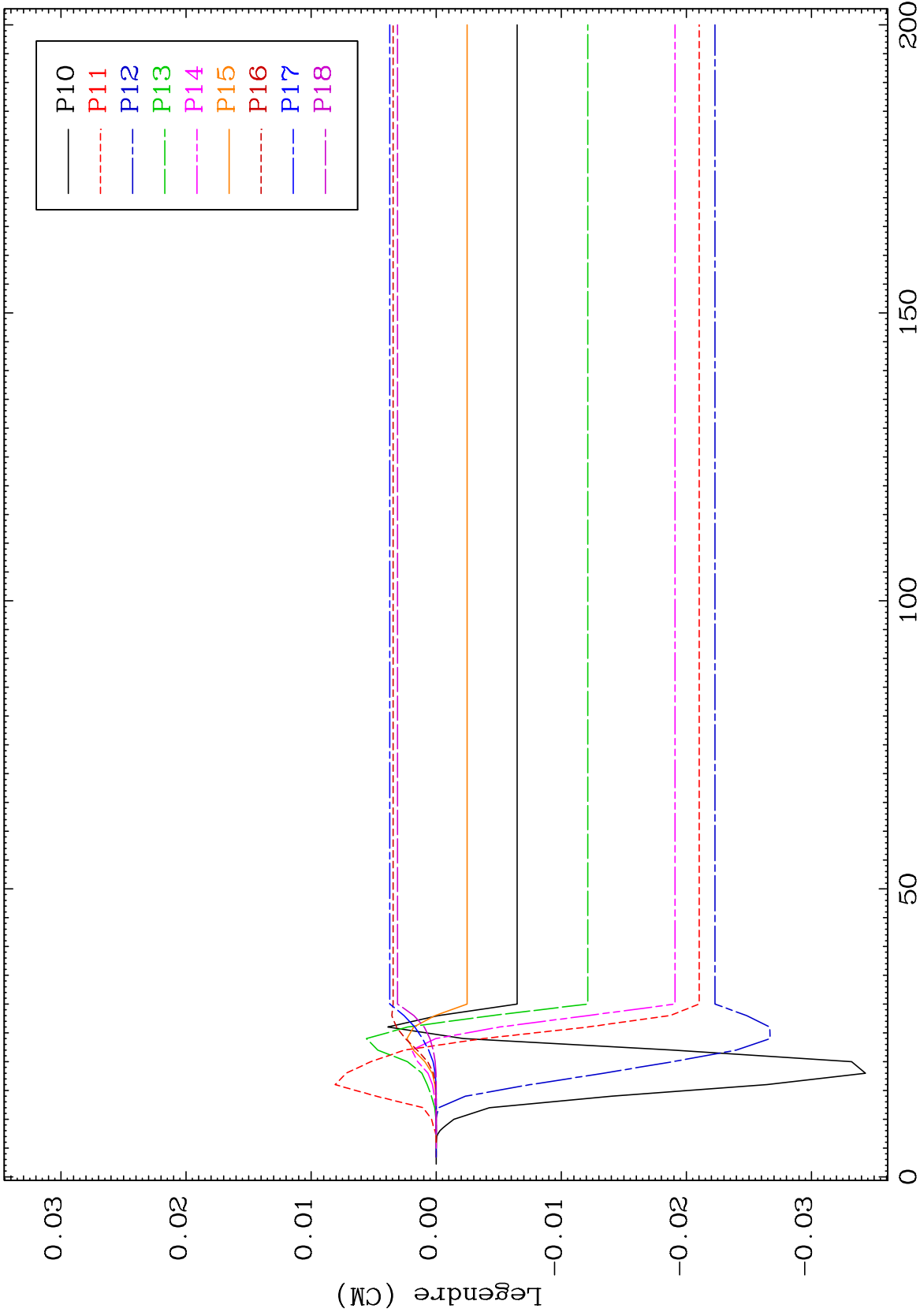
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



29

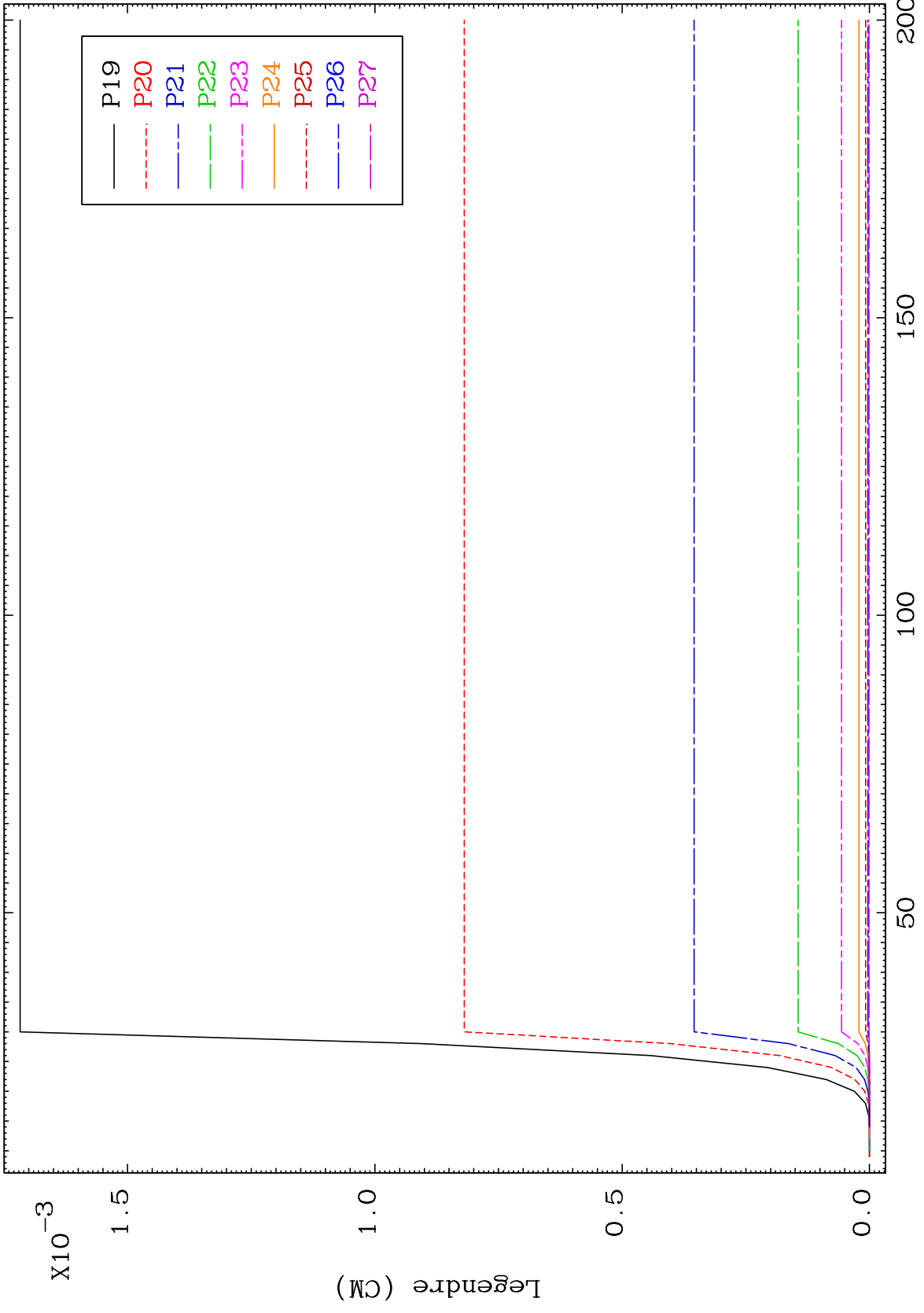
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



30

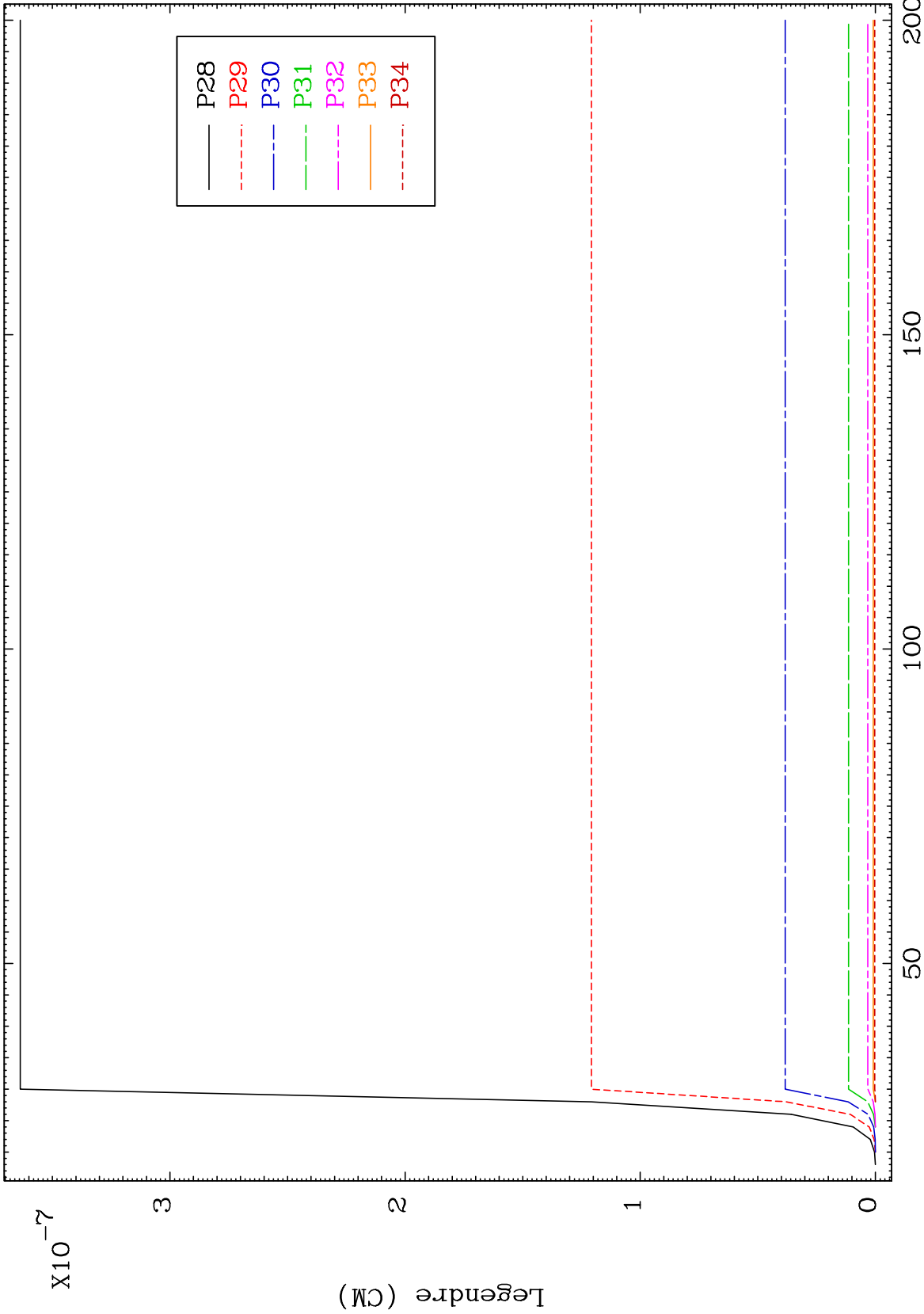
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



31

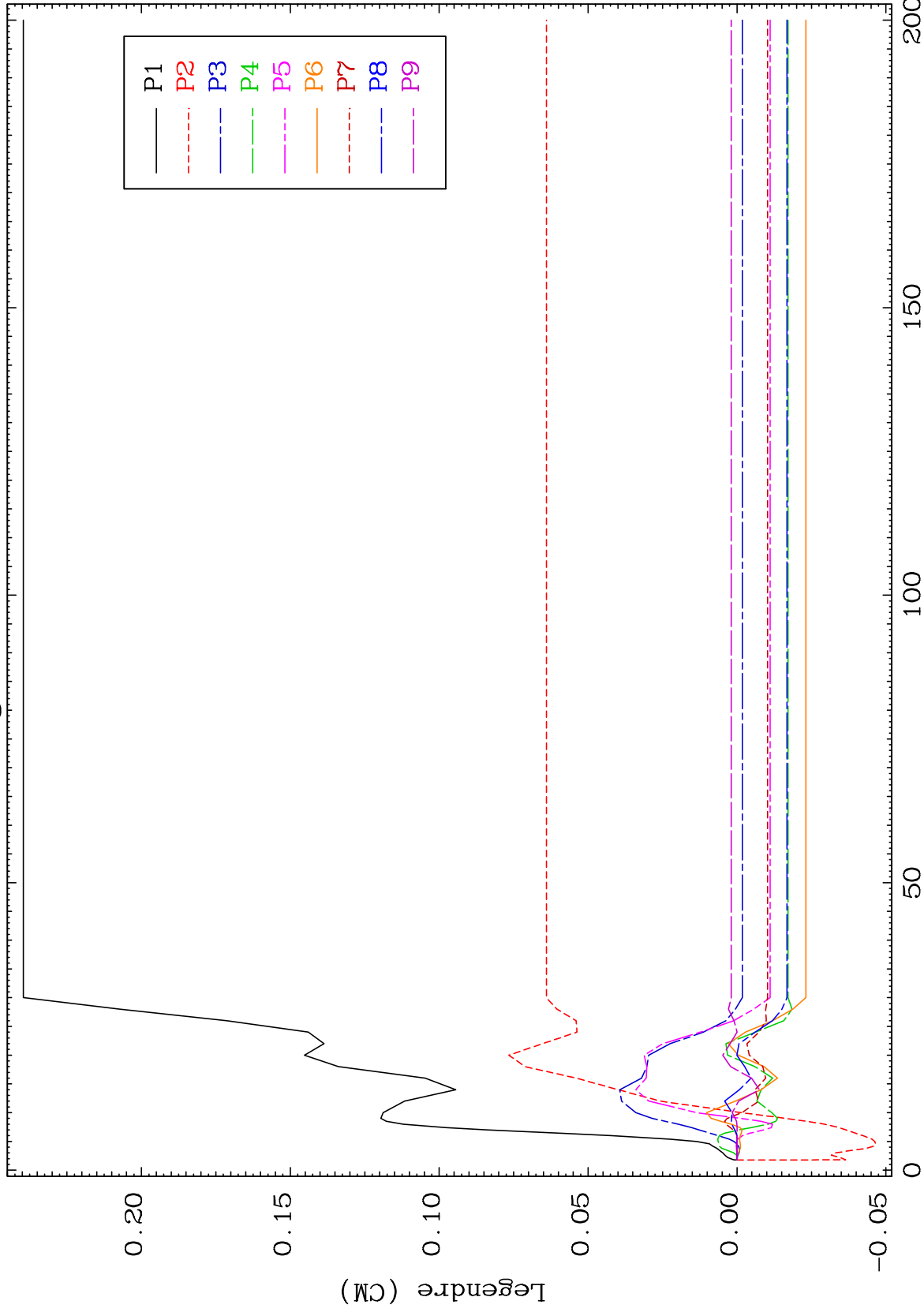
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



32

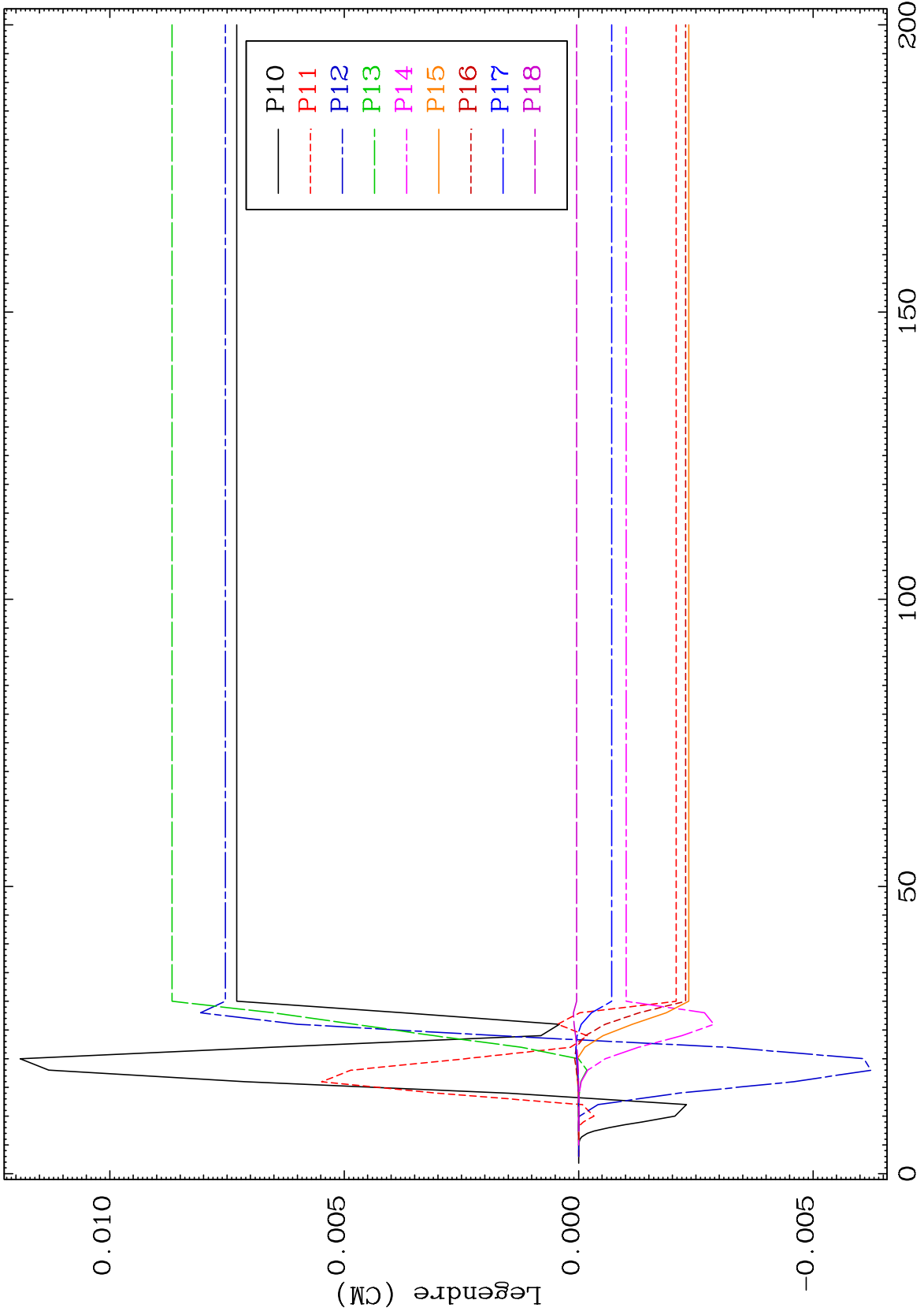
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



33

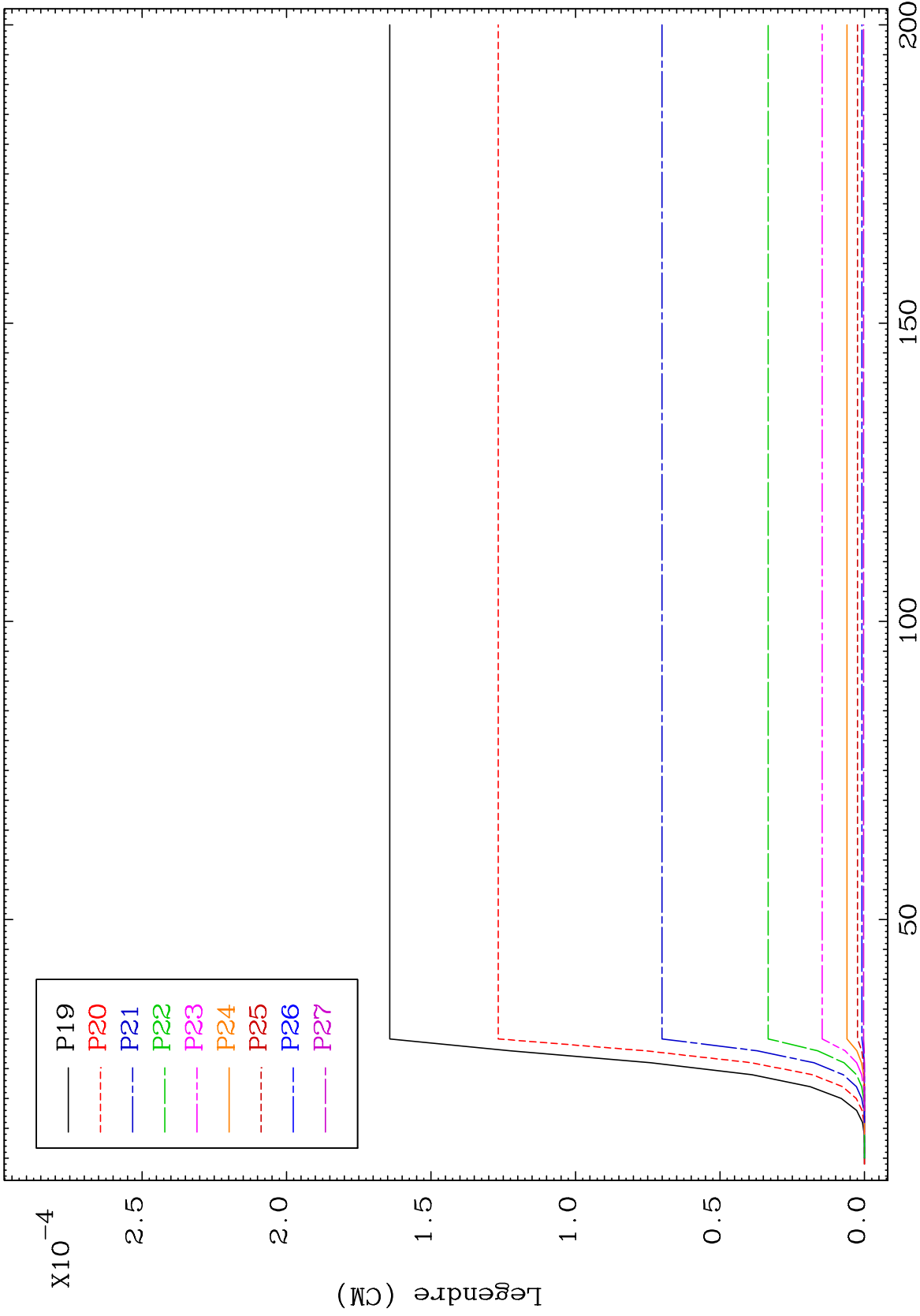
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82

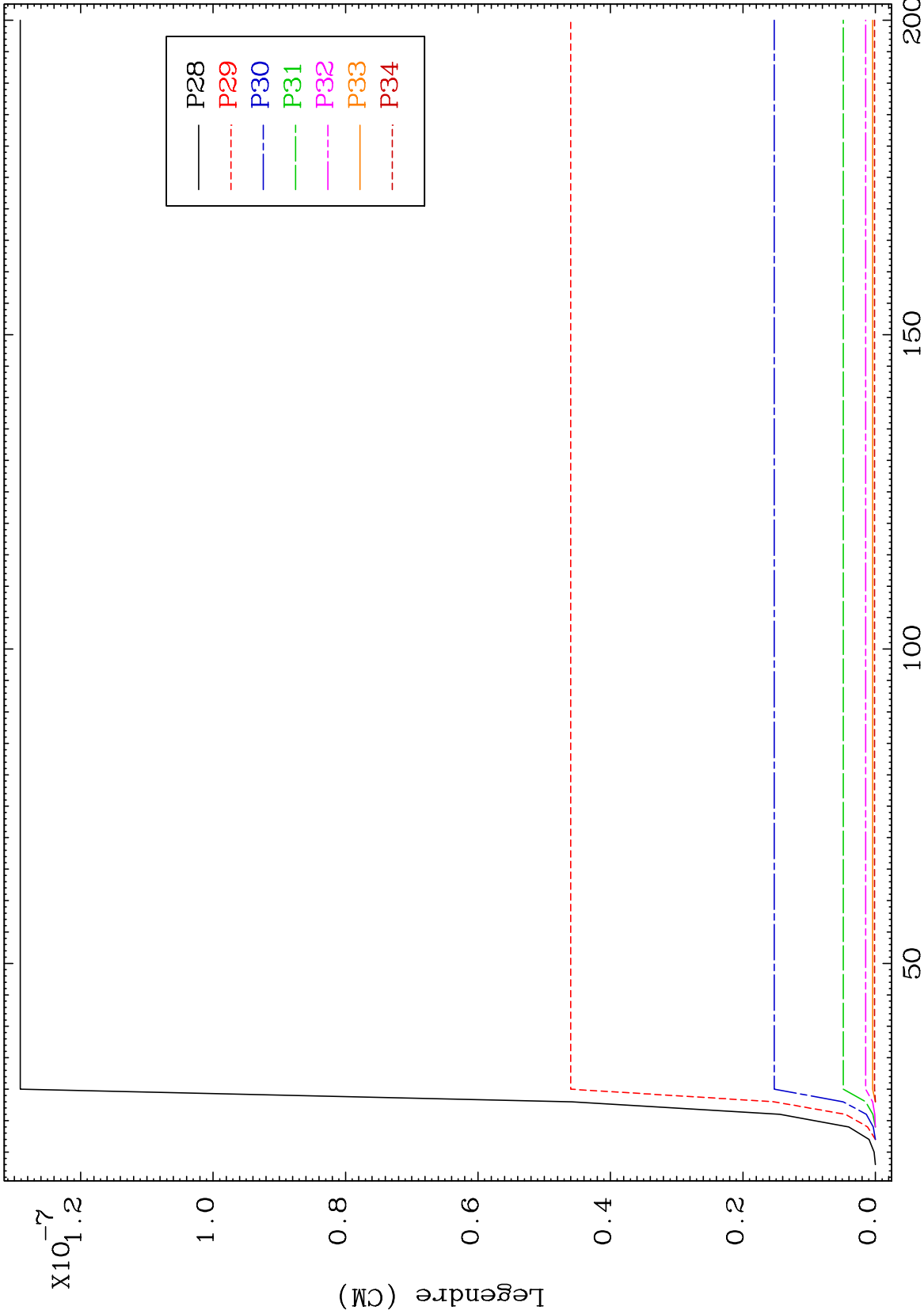


34

MAT 3449

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

34-Se-82



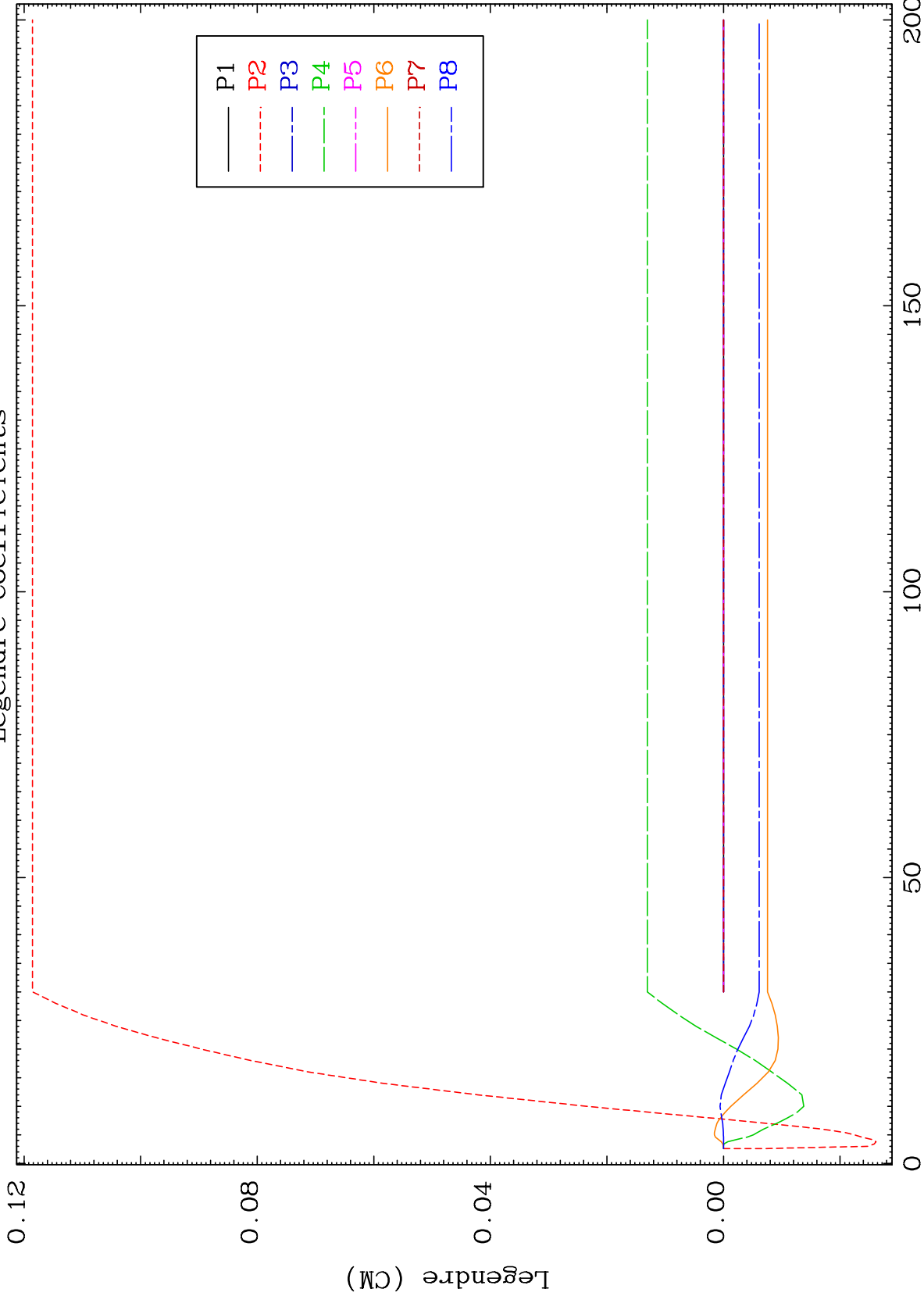
35

Incident Energy (MeV)

34-Se-82

MAT 3449 MT= 55 (n,n') Level Legendre Coefficients

34-Se-82



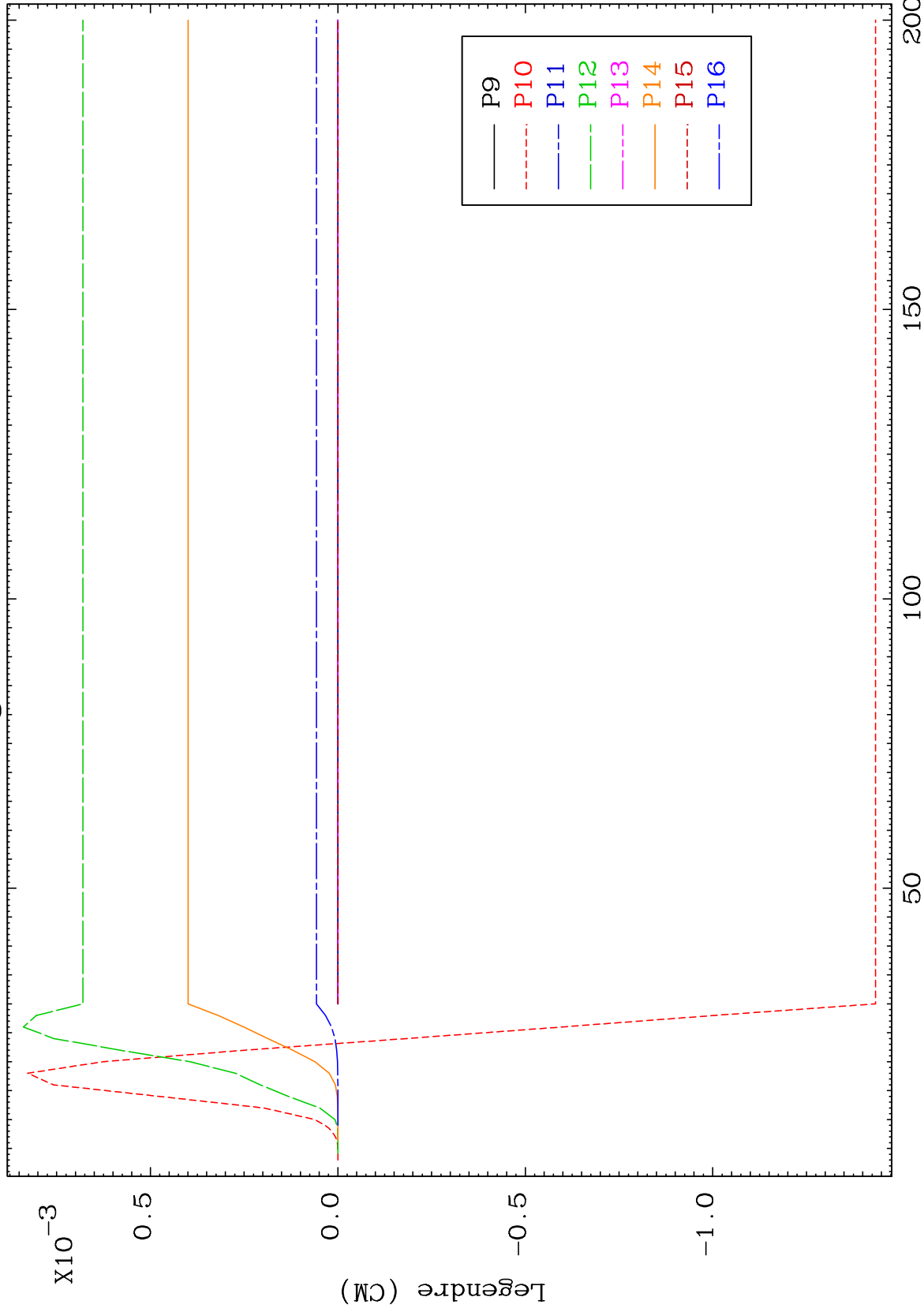
34-Se-82

36

MAT 3449

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

34-Se-82

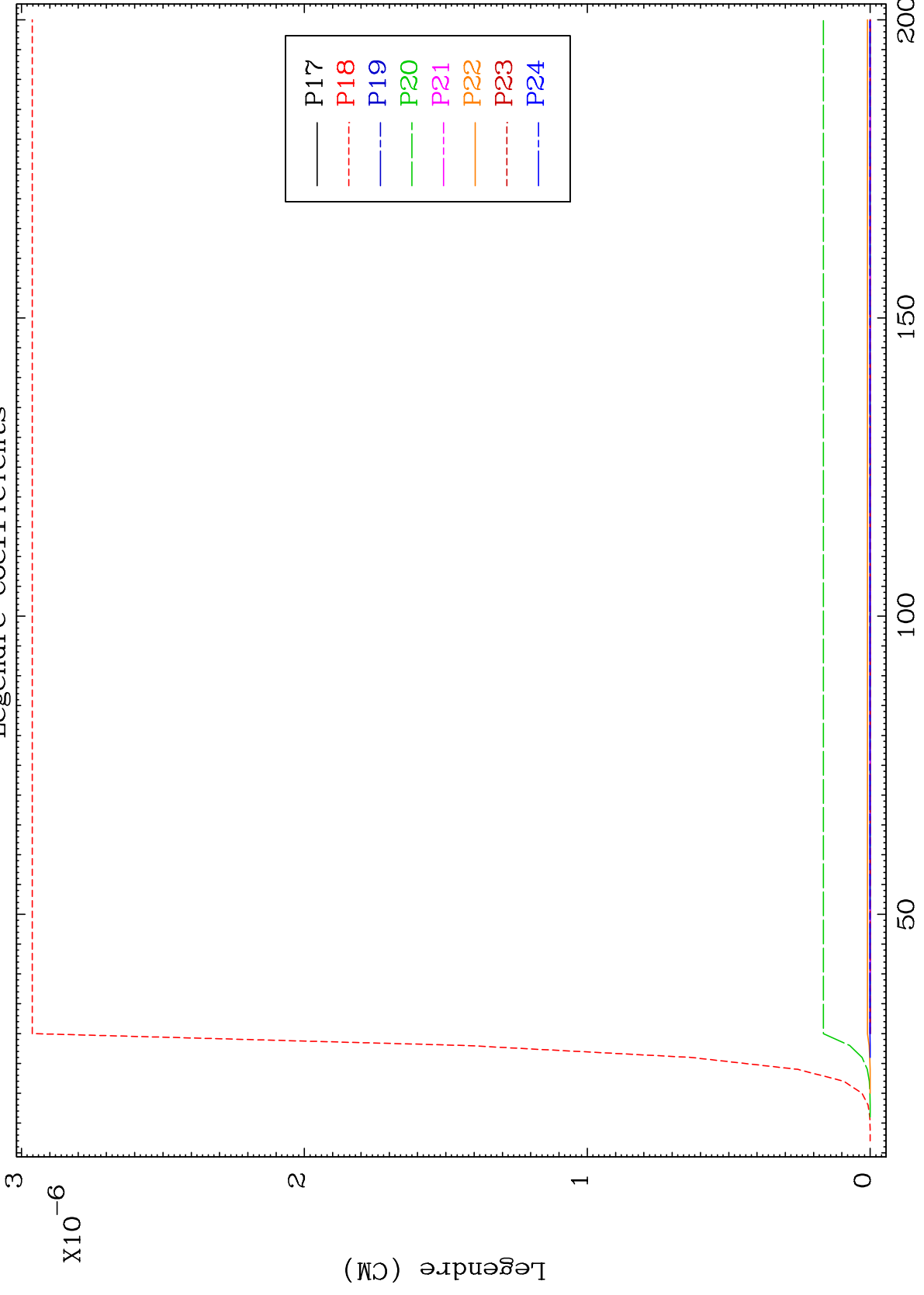


37

Incident Energy (MeV)

34-Se-82

MAT 3449 MT= 55 (n,n') Level Legendre Coefficients 34-Se-82

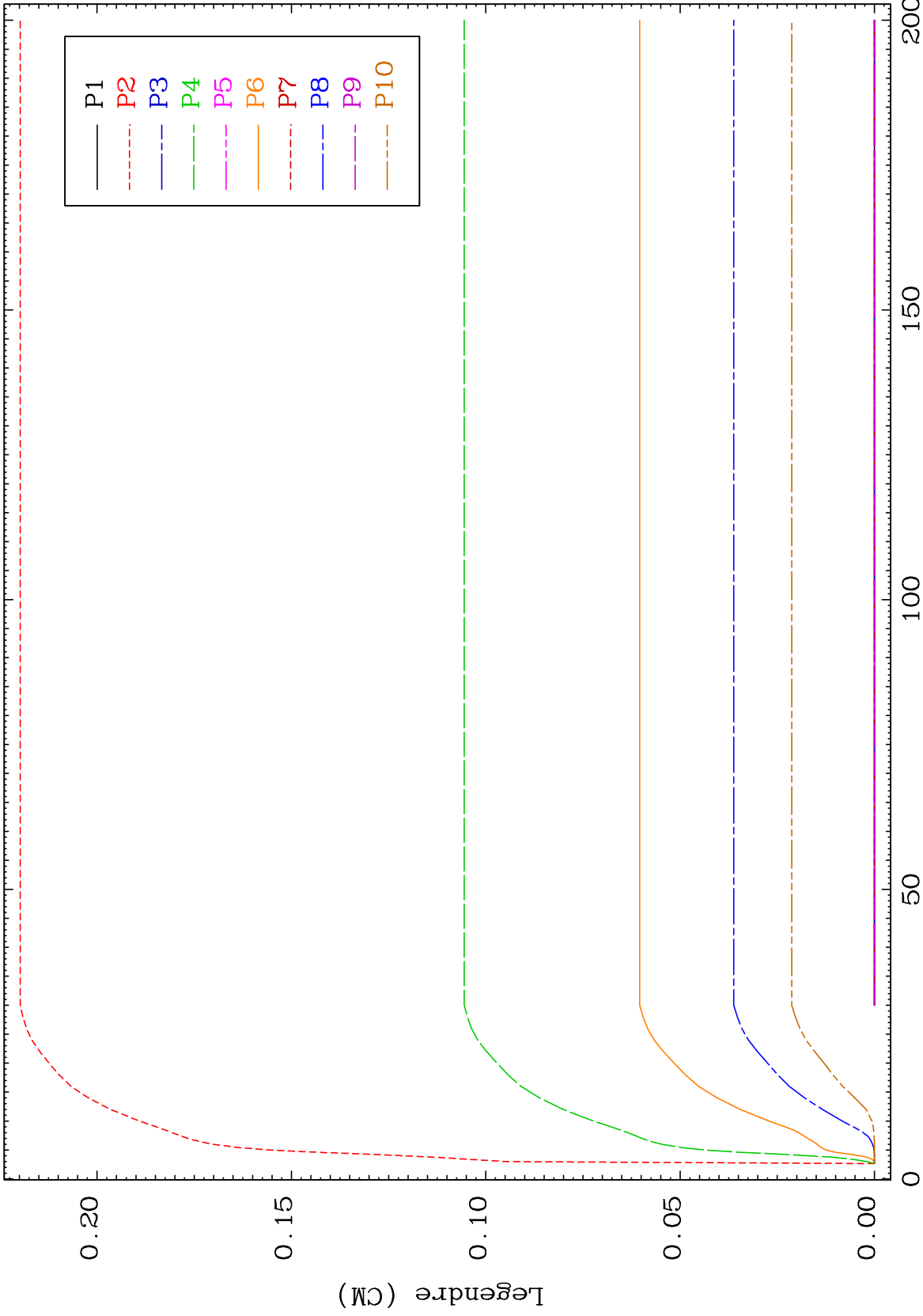


38 50 100 150 200 34-Se-82

MAT 3449

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

34-Se-82



39

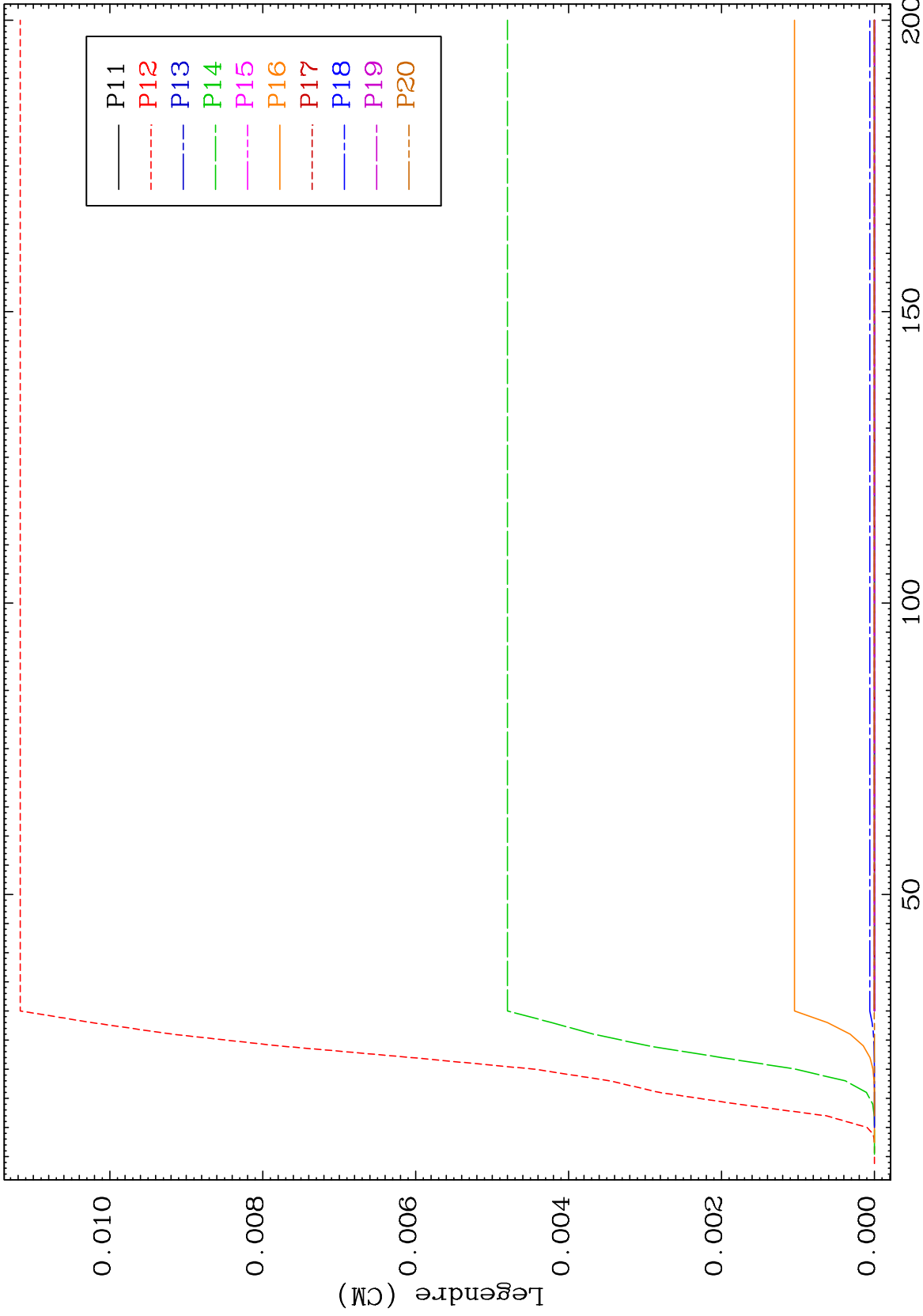
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



40

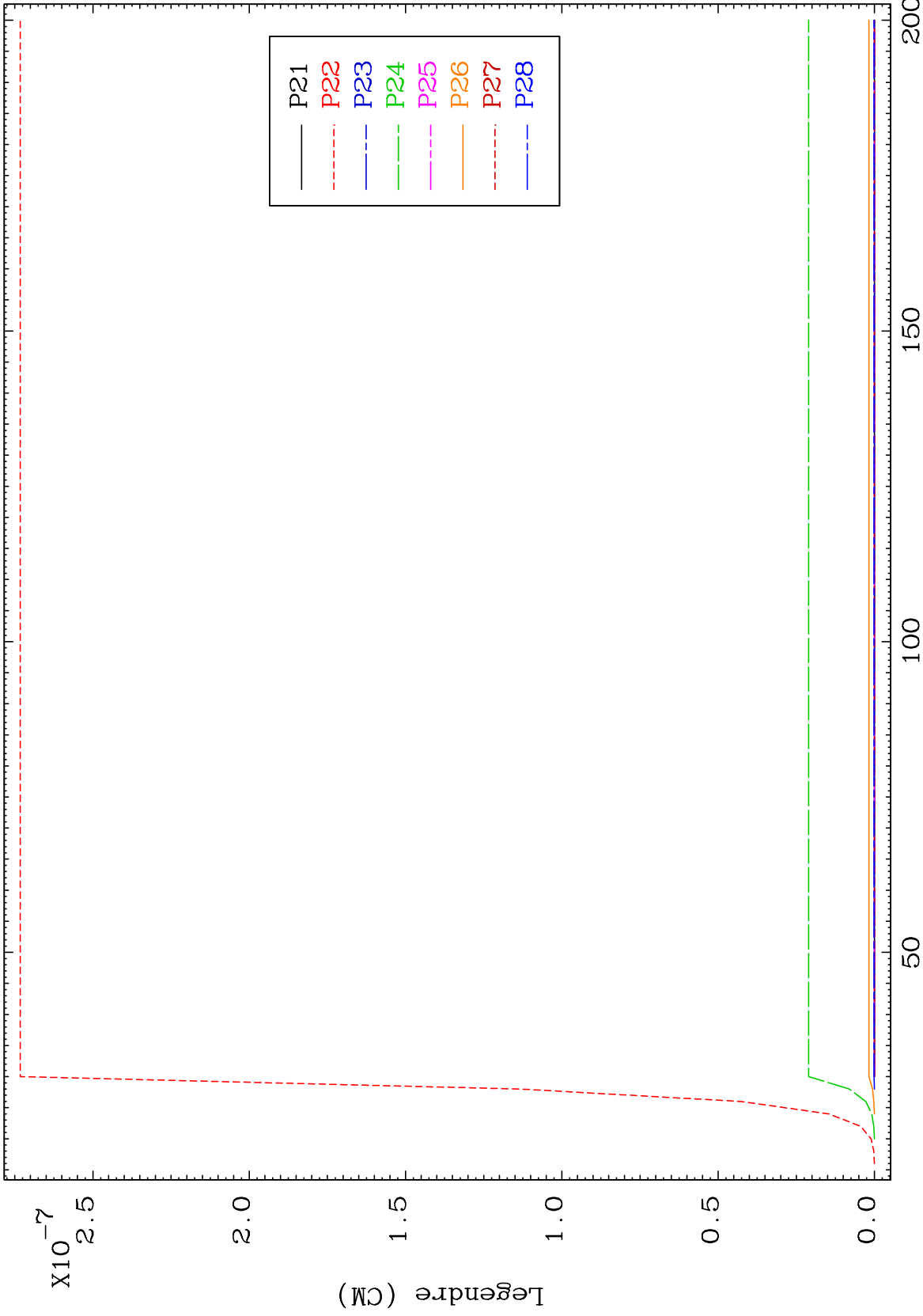
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



41

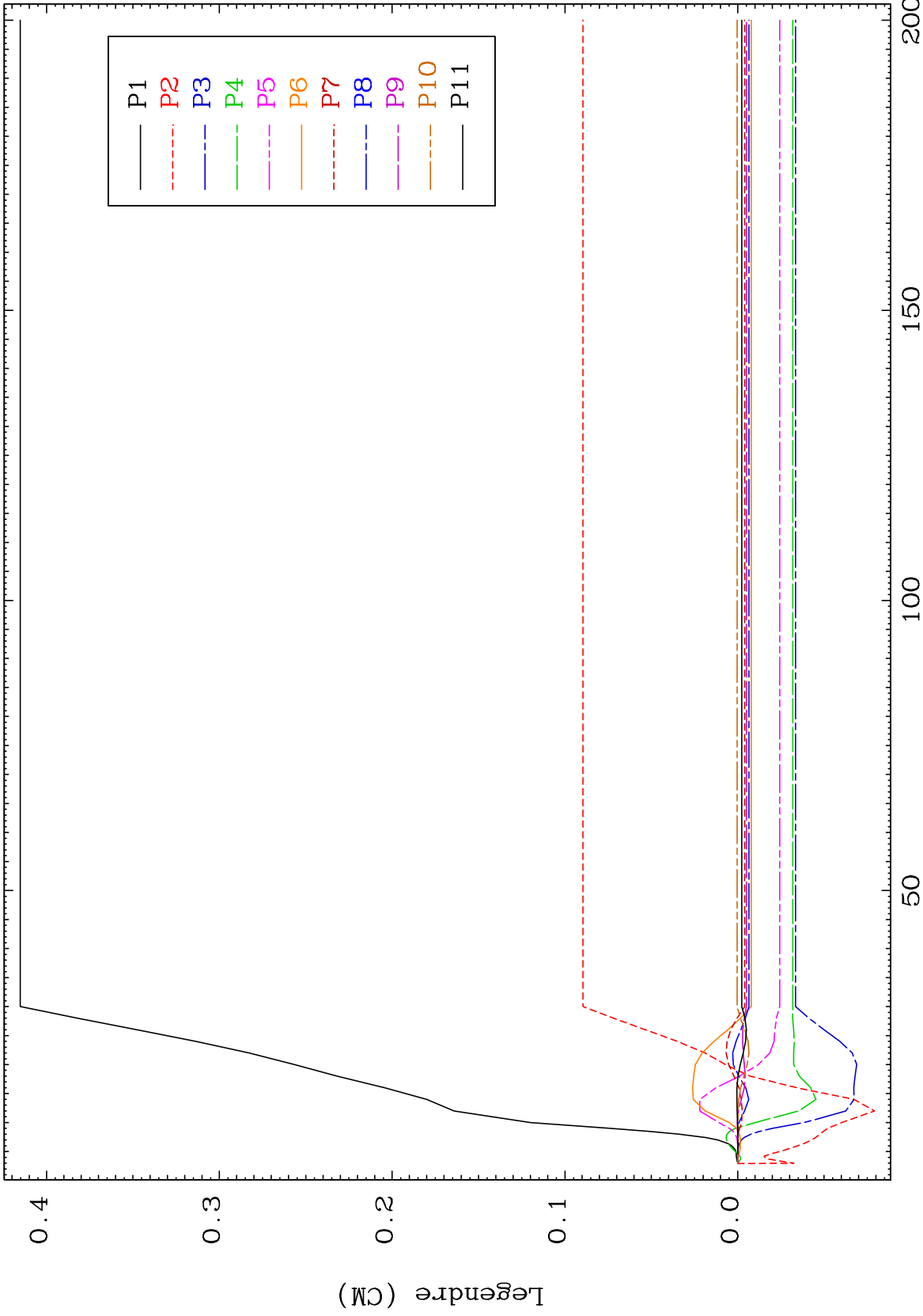
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



42

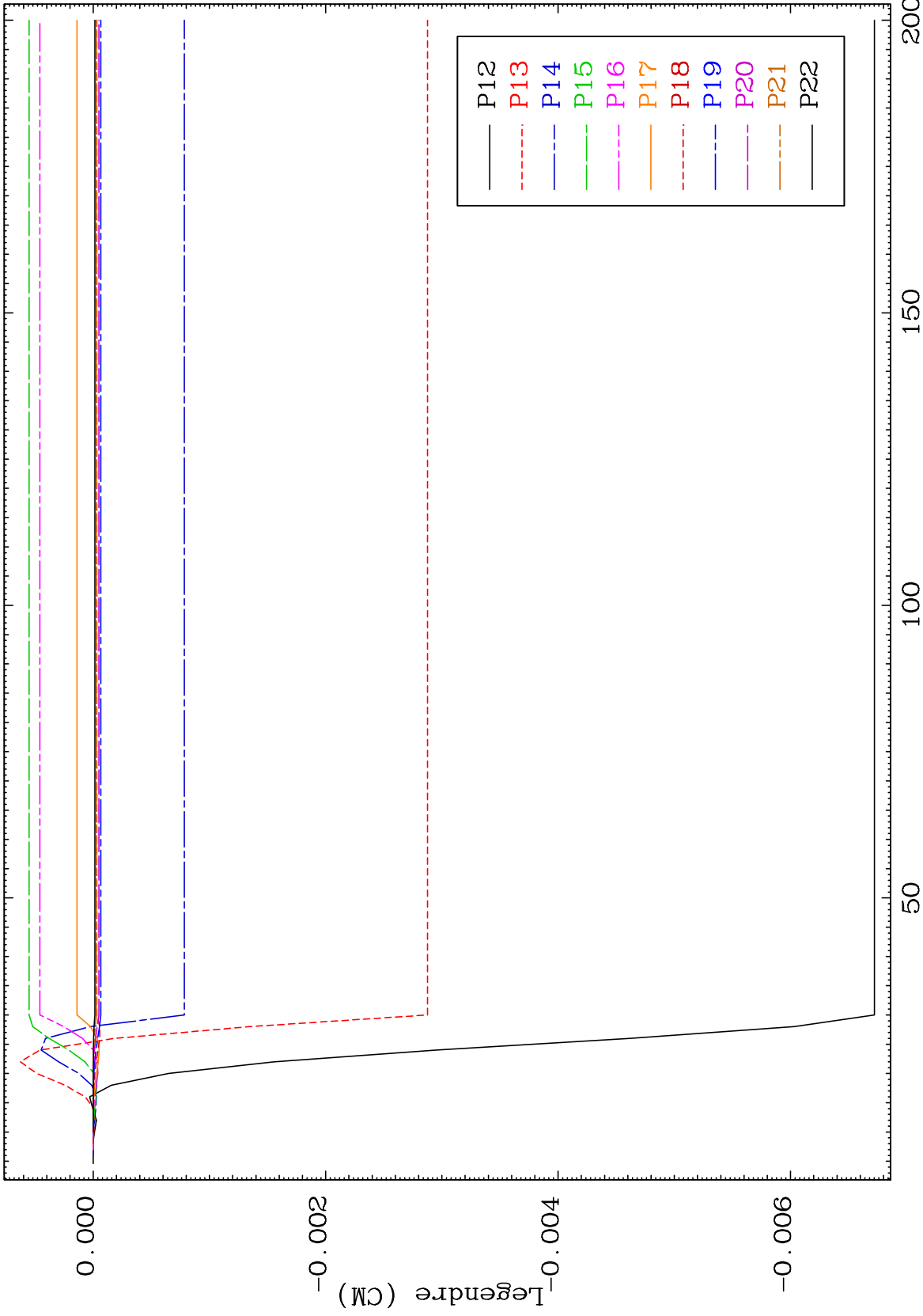
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



43

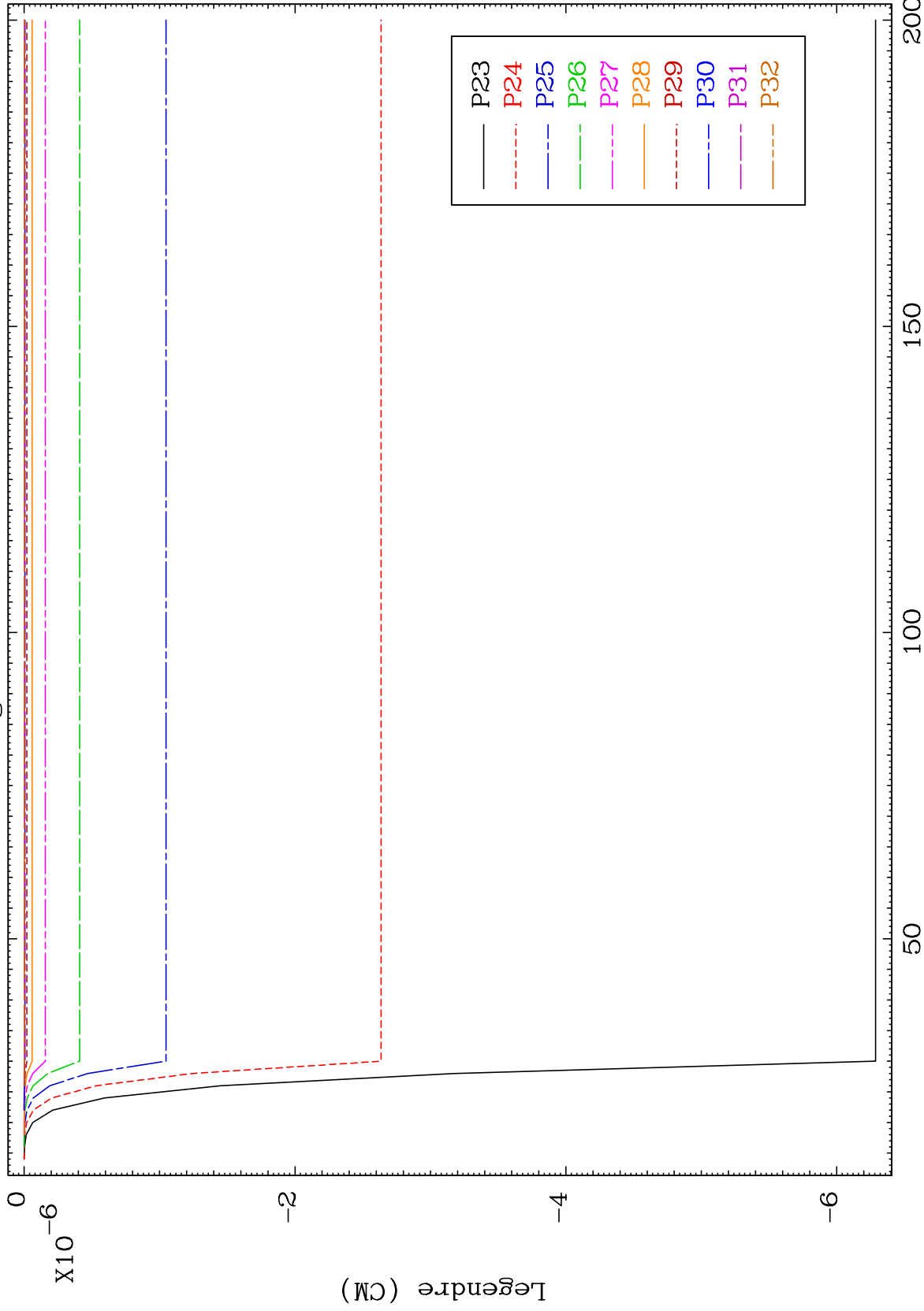
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



44

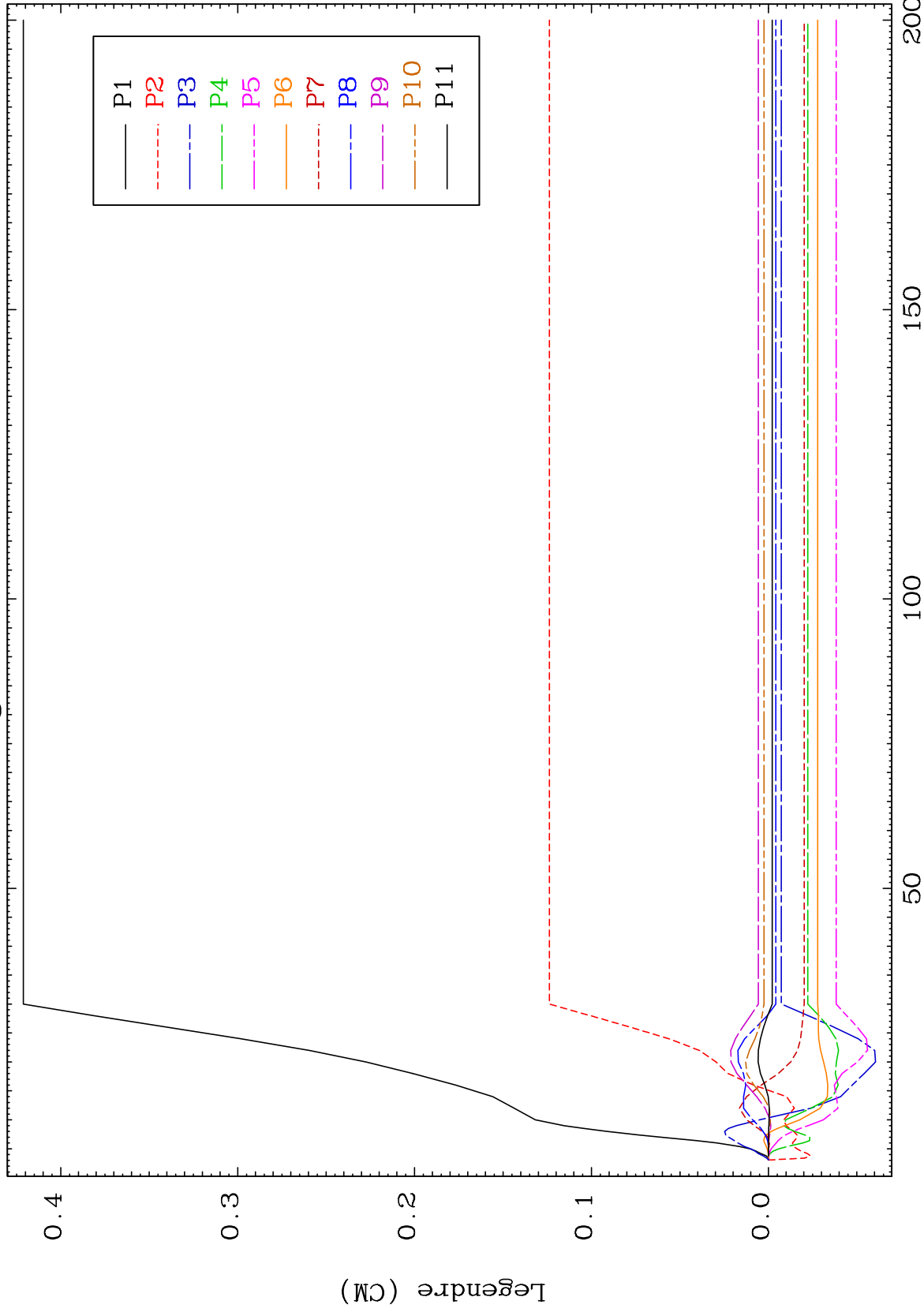
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



45

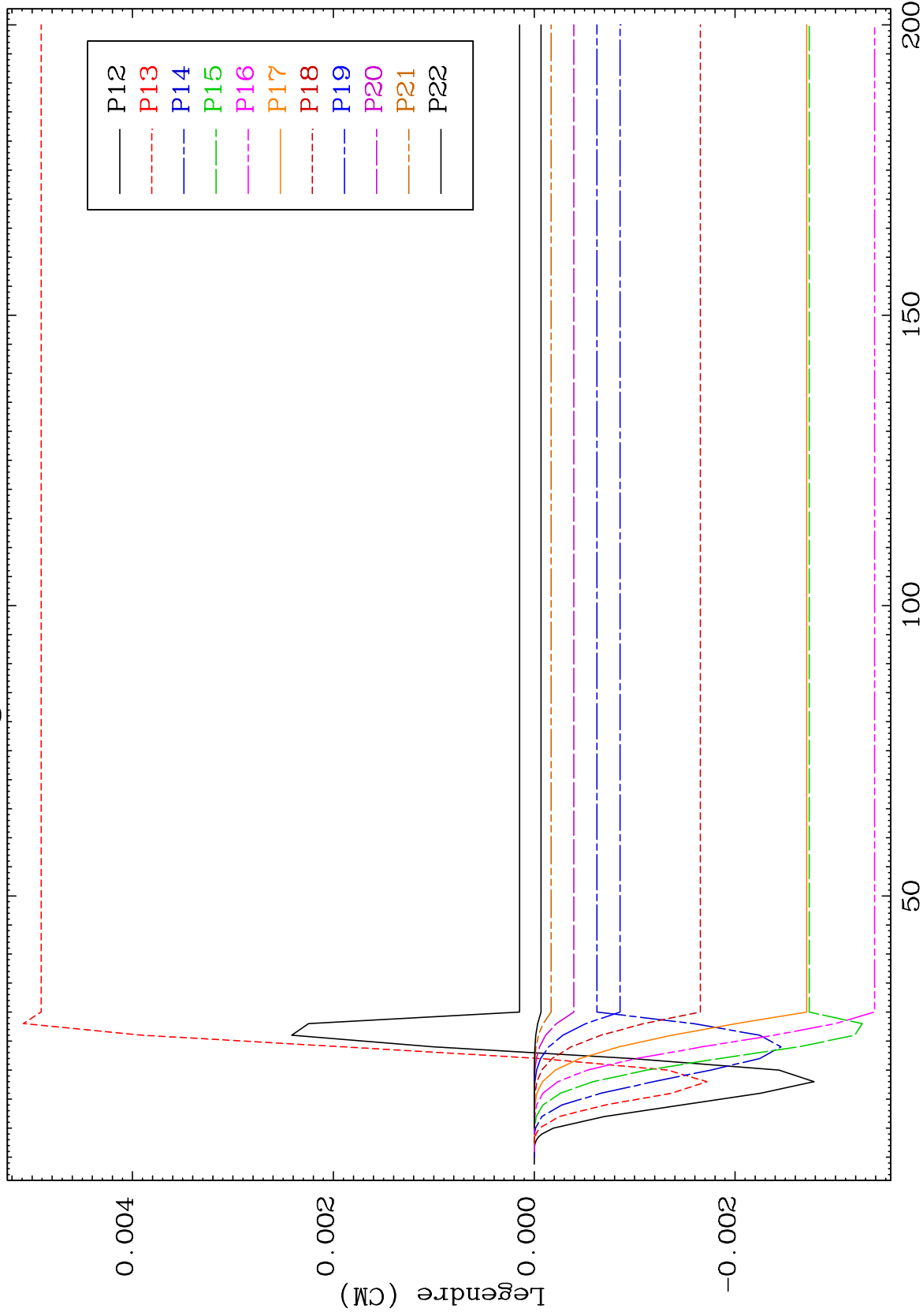
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



46

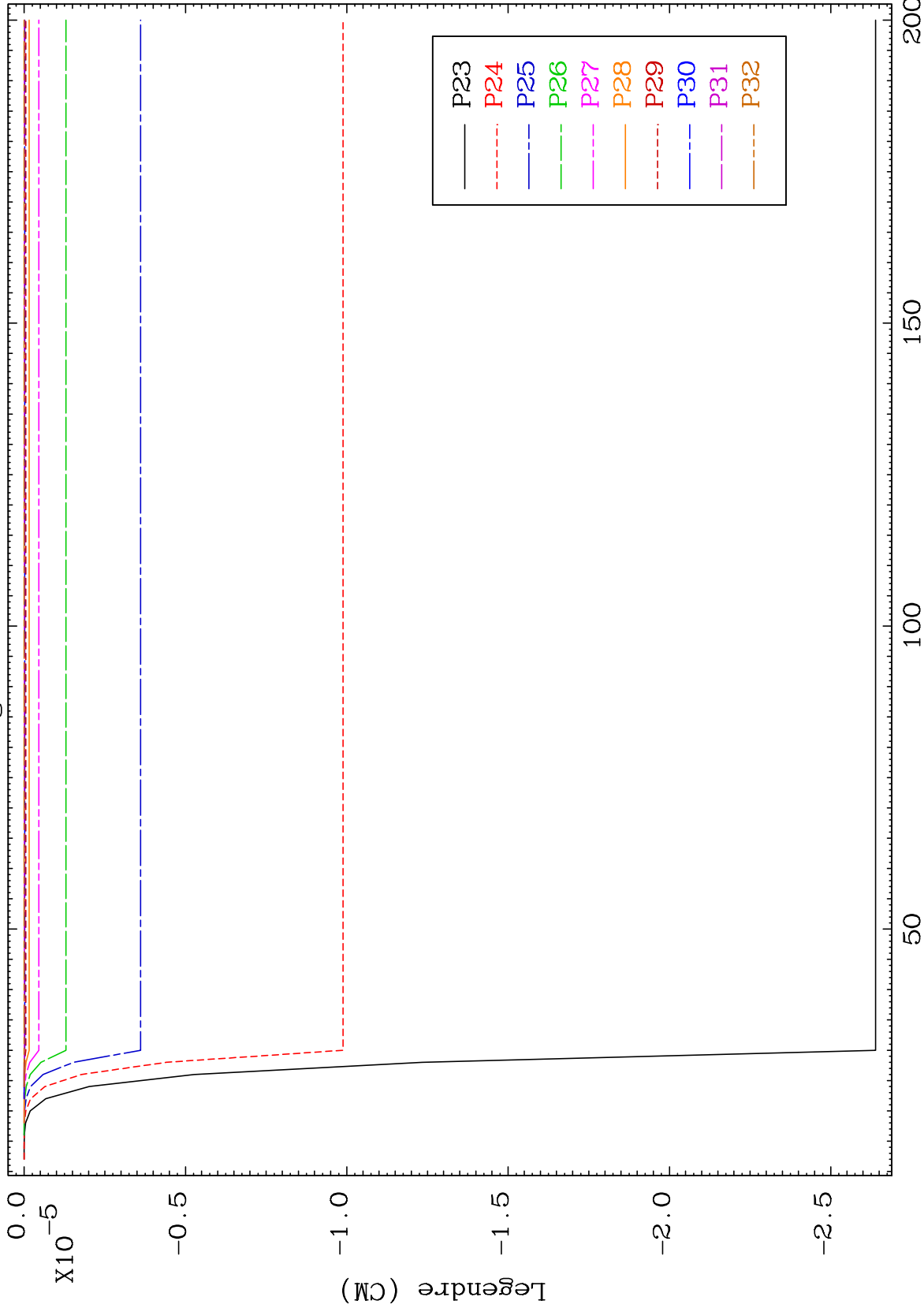
Incident Energy (MeV)

34-Se-82

MAT 3449

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

³⁴Se-82



47

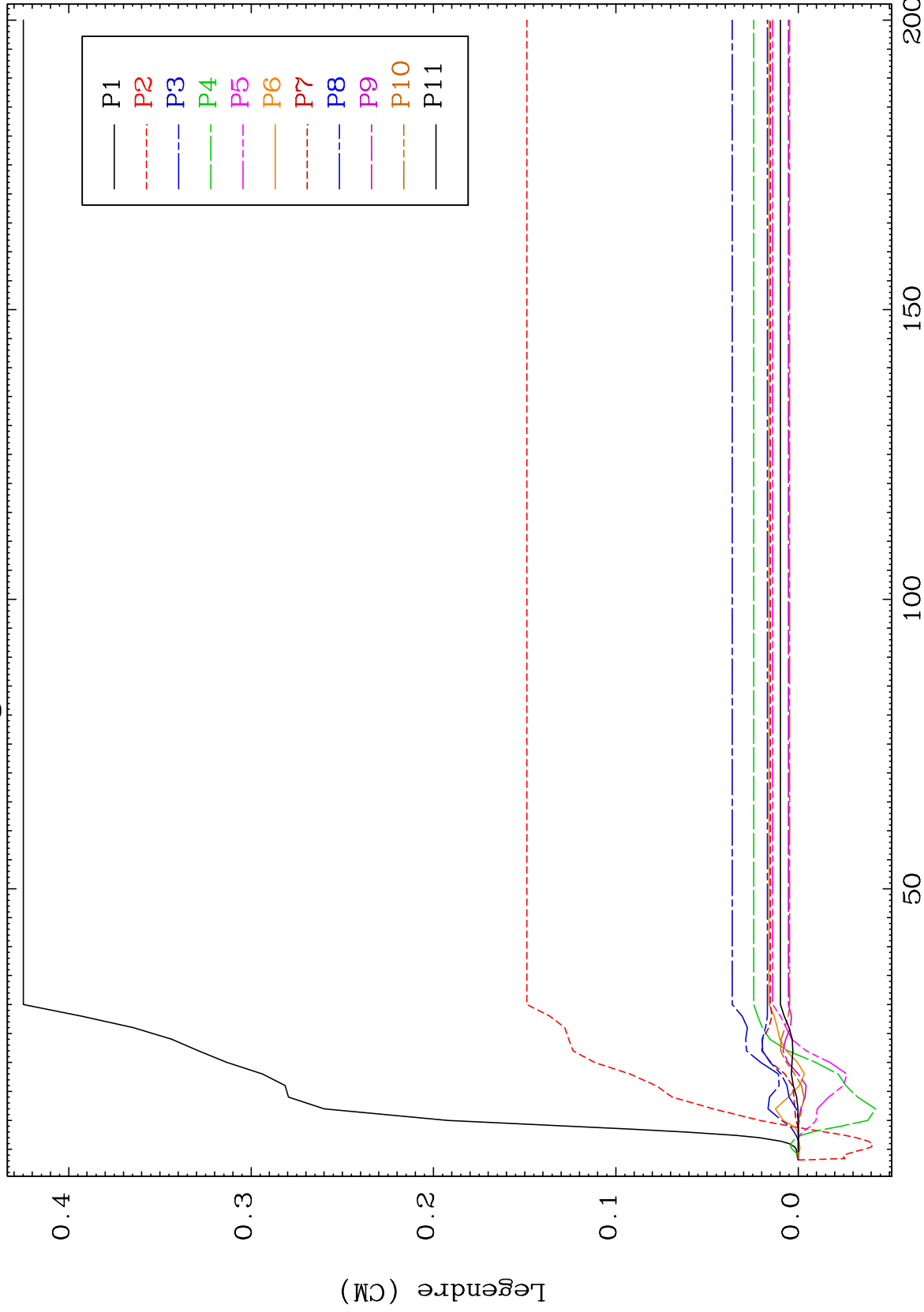
Incident Energy (MeV)

³⁴Se-82

MAT 3449

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

34-Se-82



48

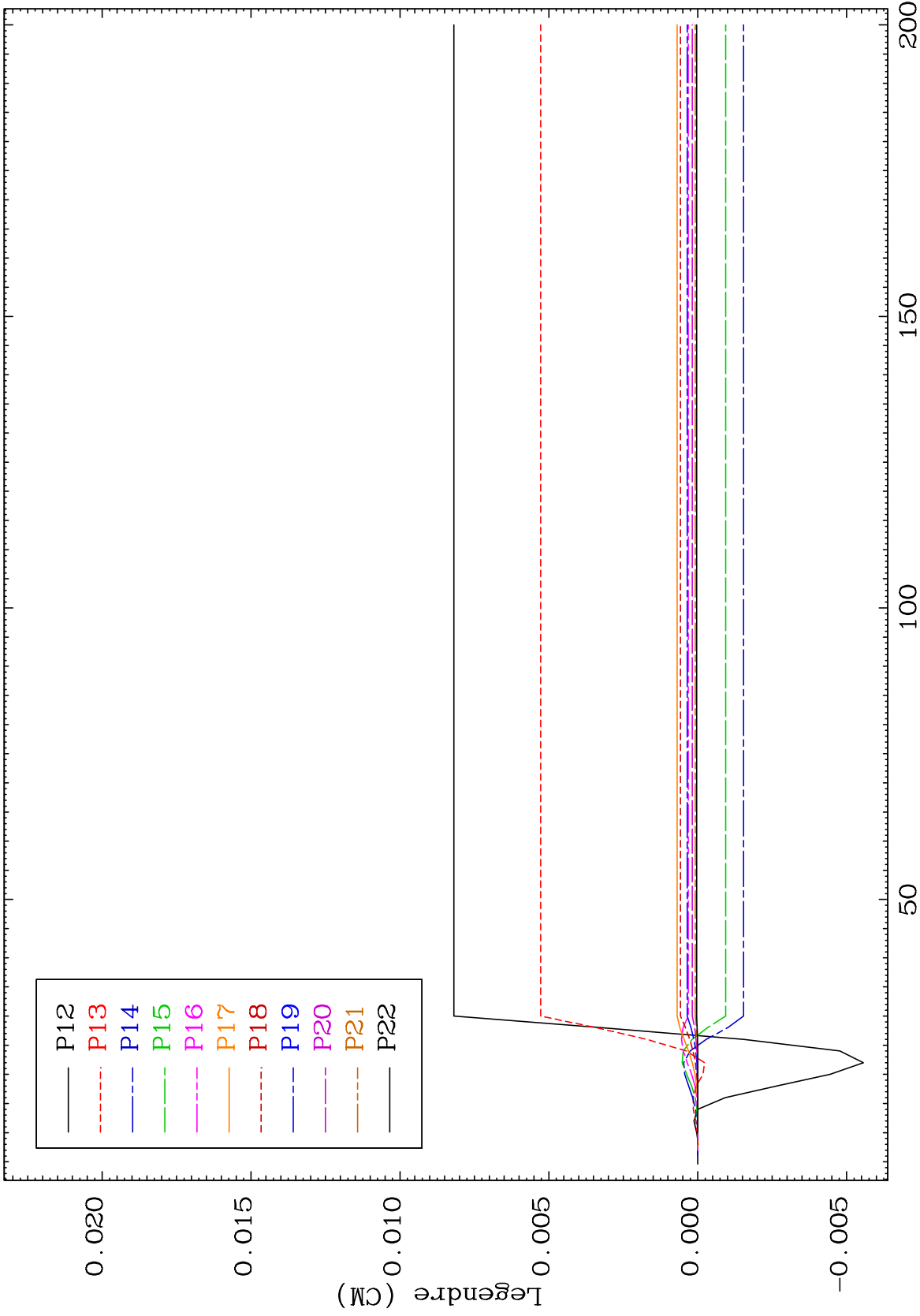
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



49

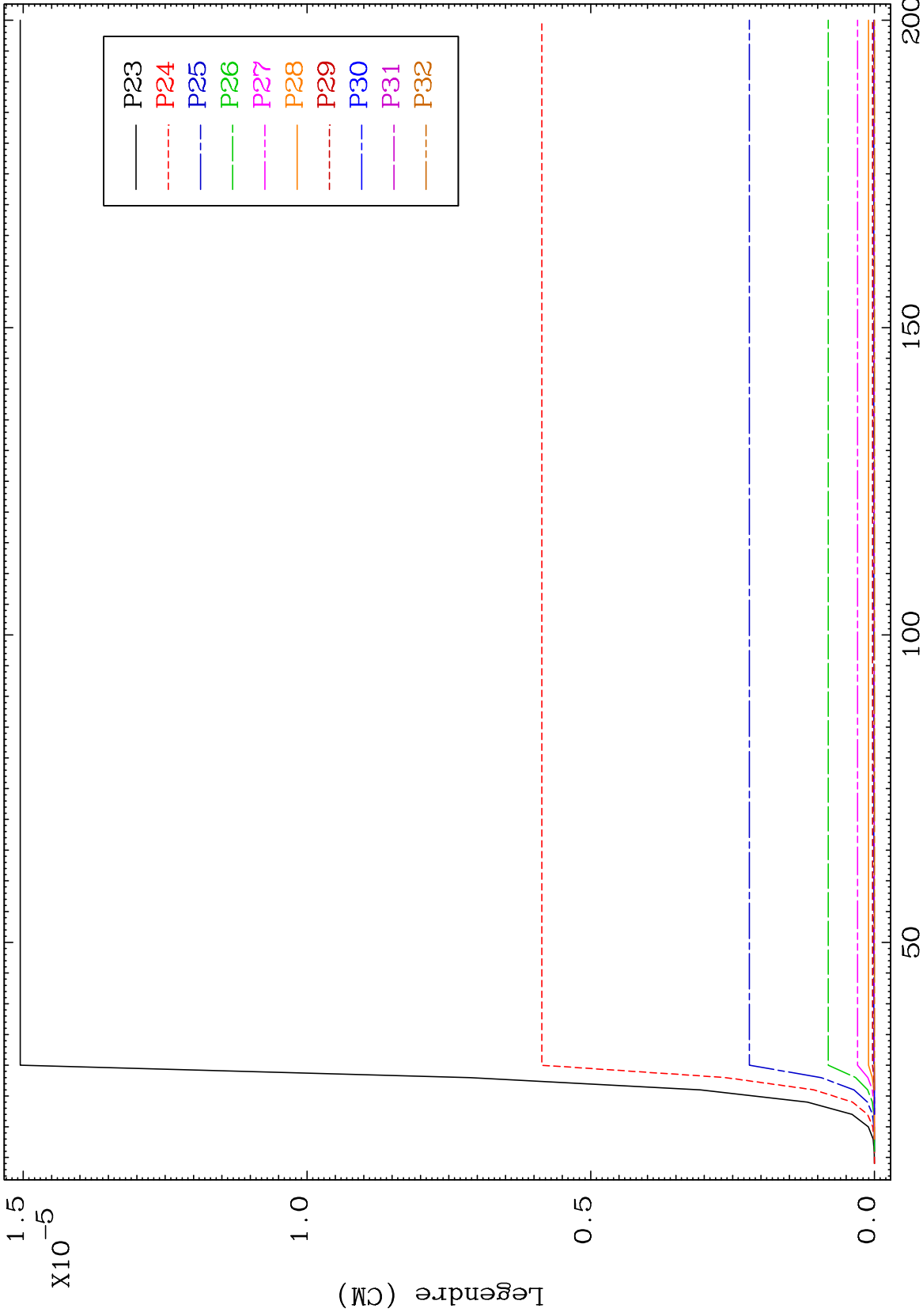
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



50

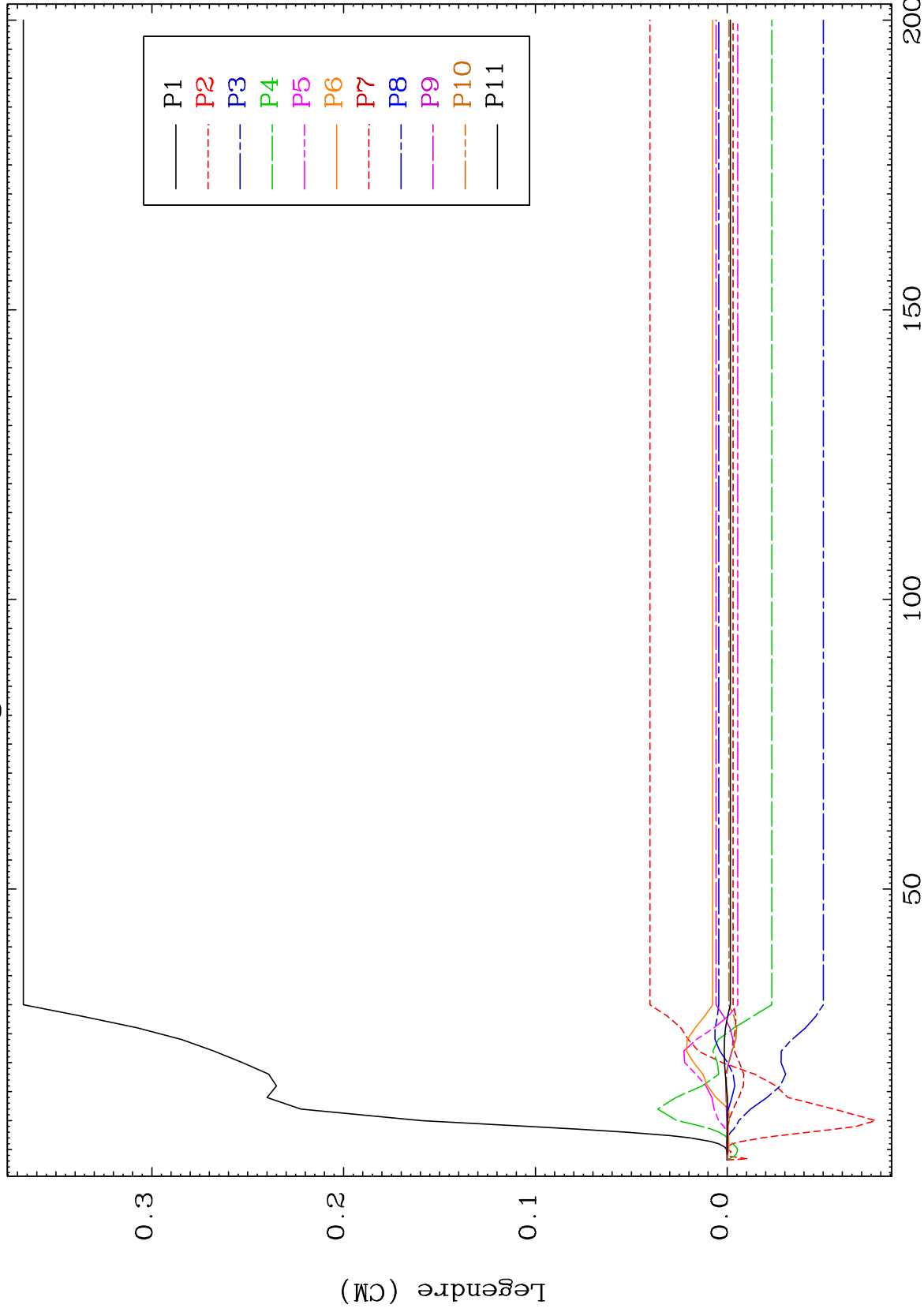
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



51

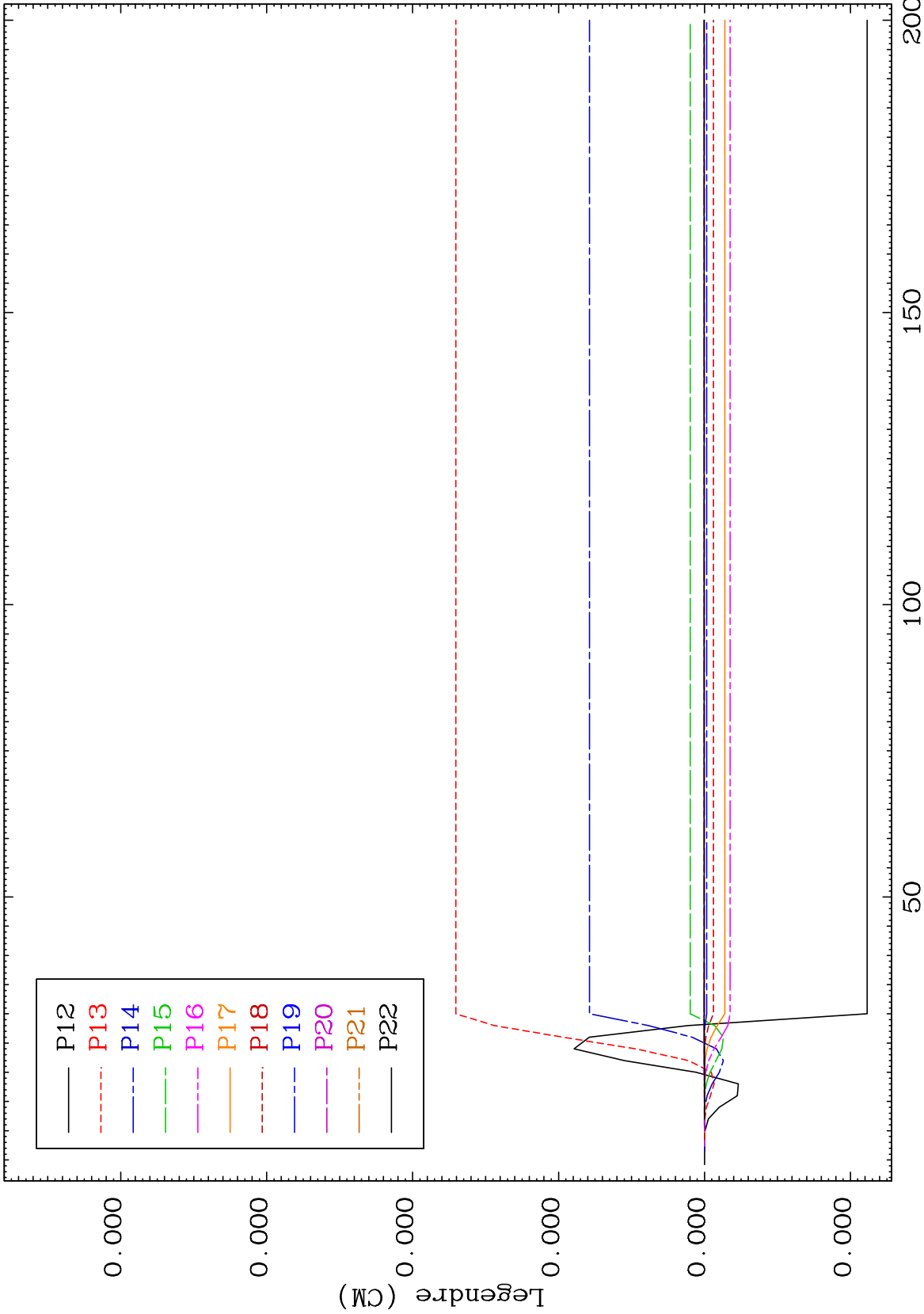
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



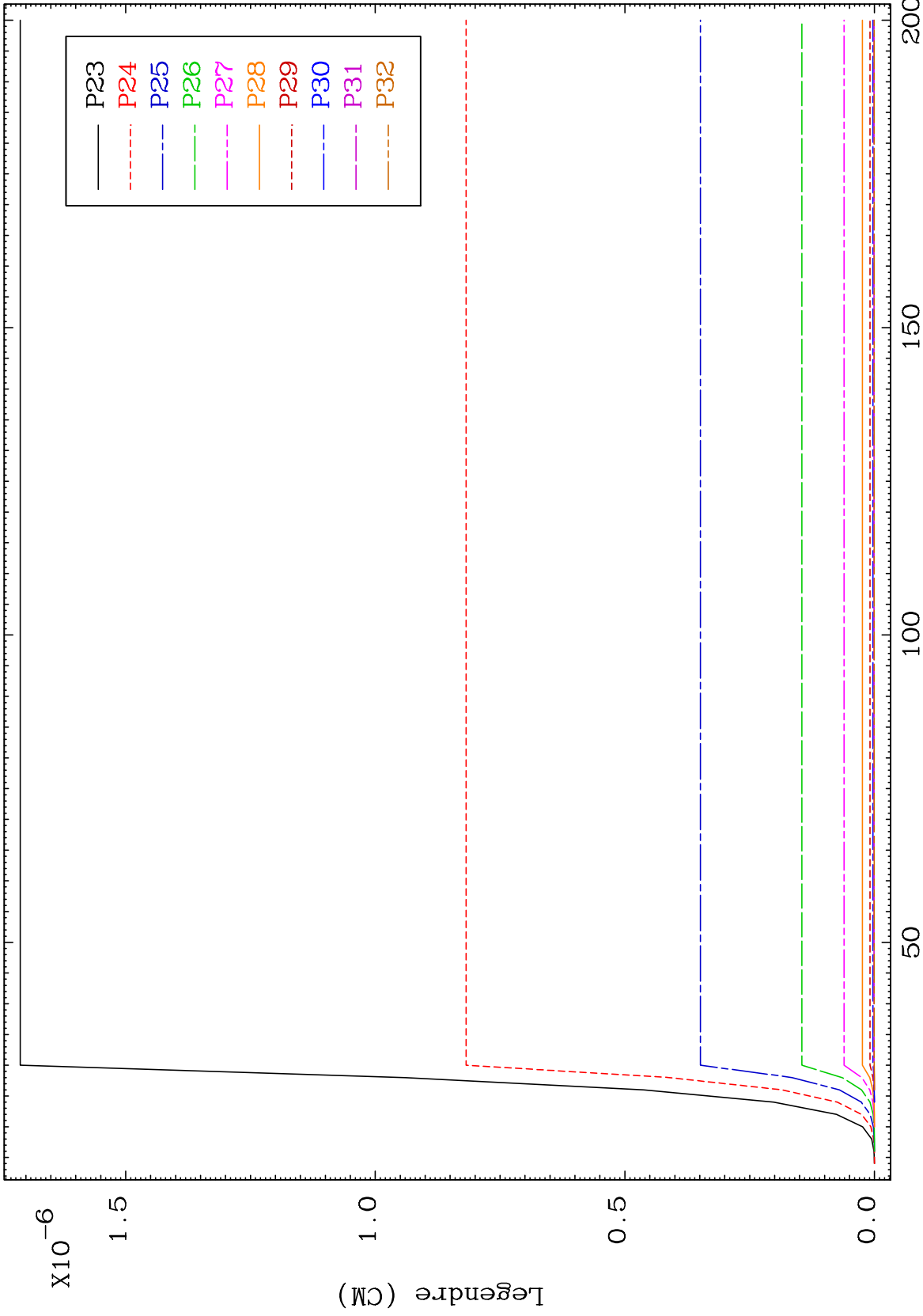
52

34-Se-82

MAT 3449

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

34-Se-82



53

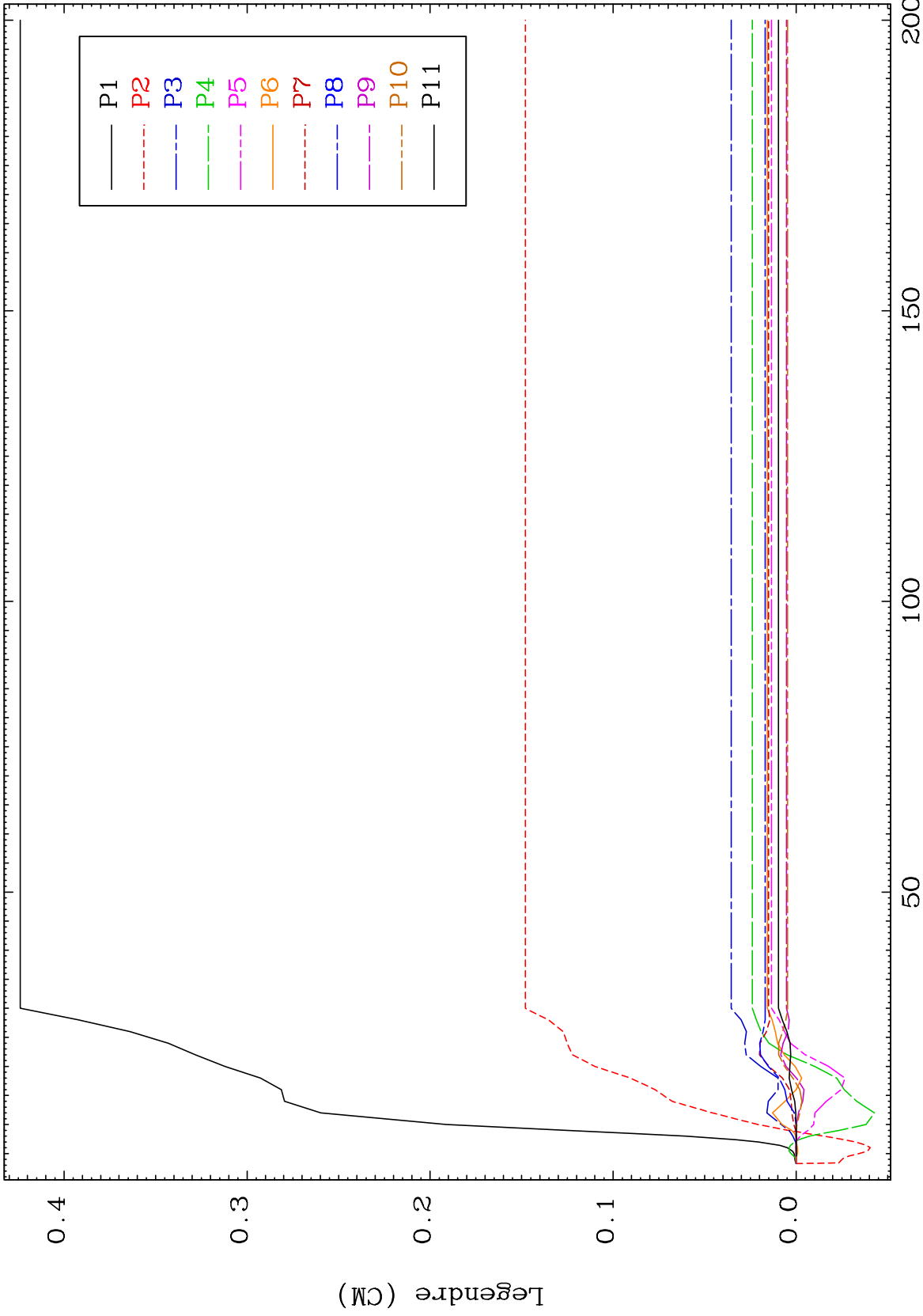
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



54

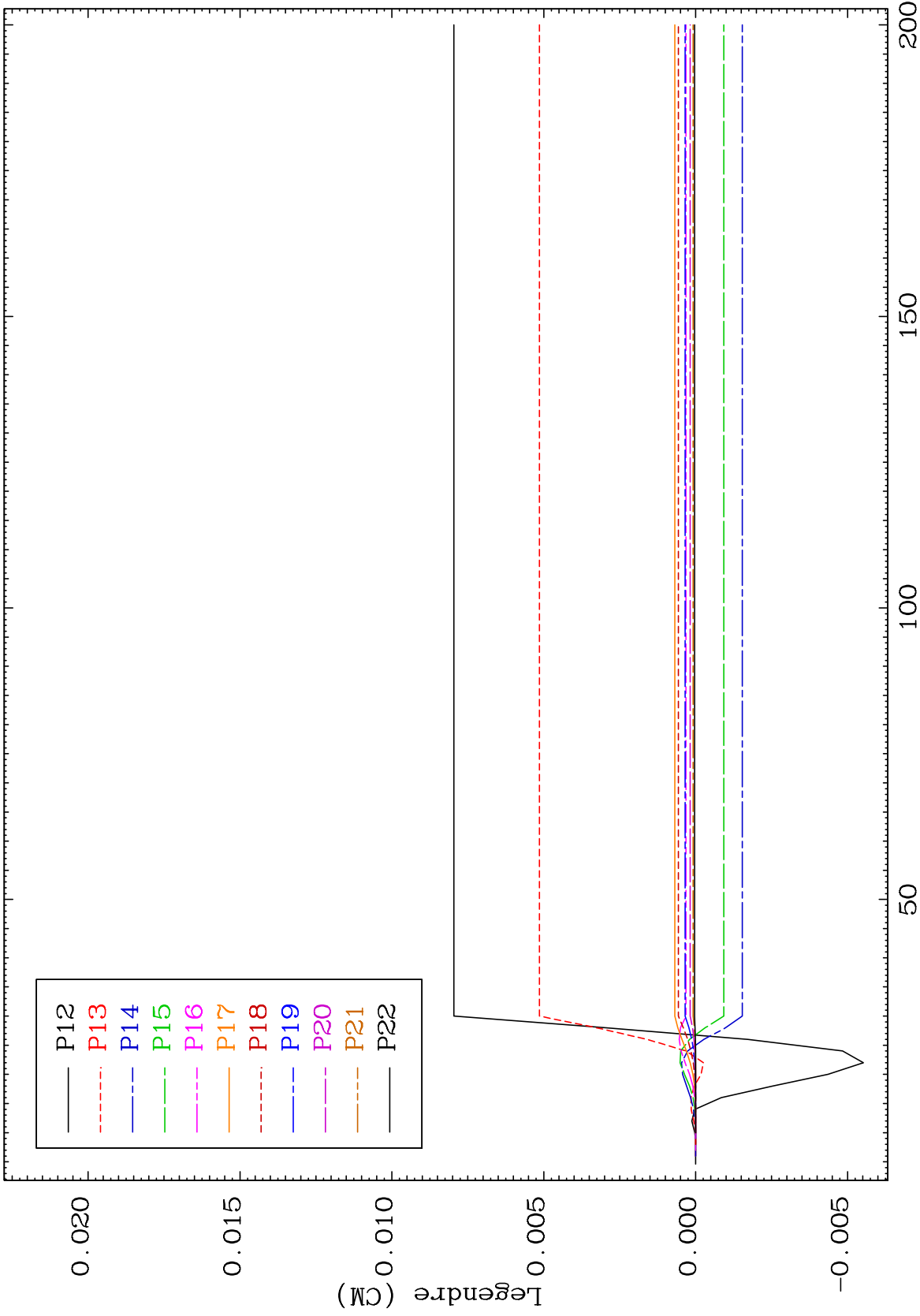
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



55

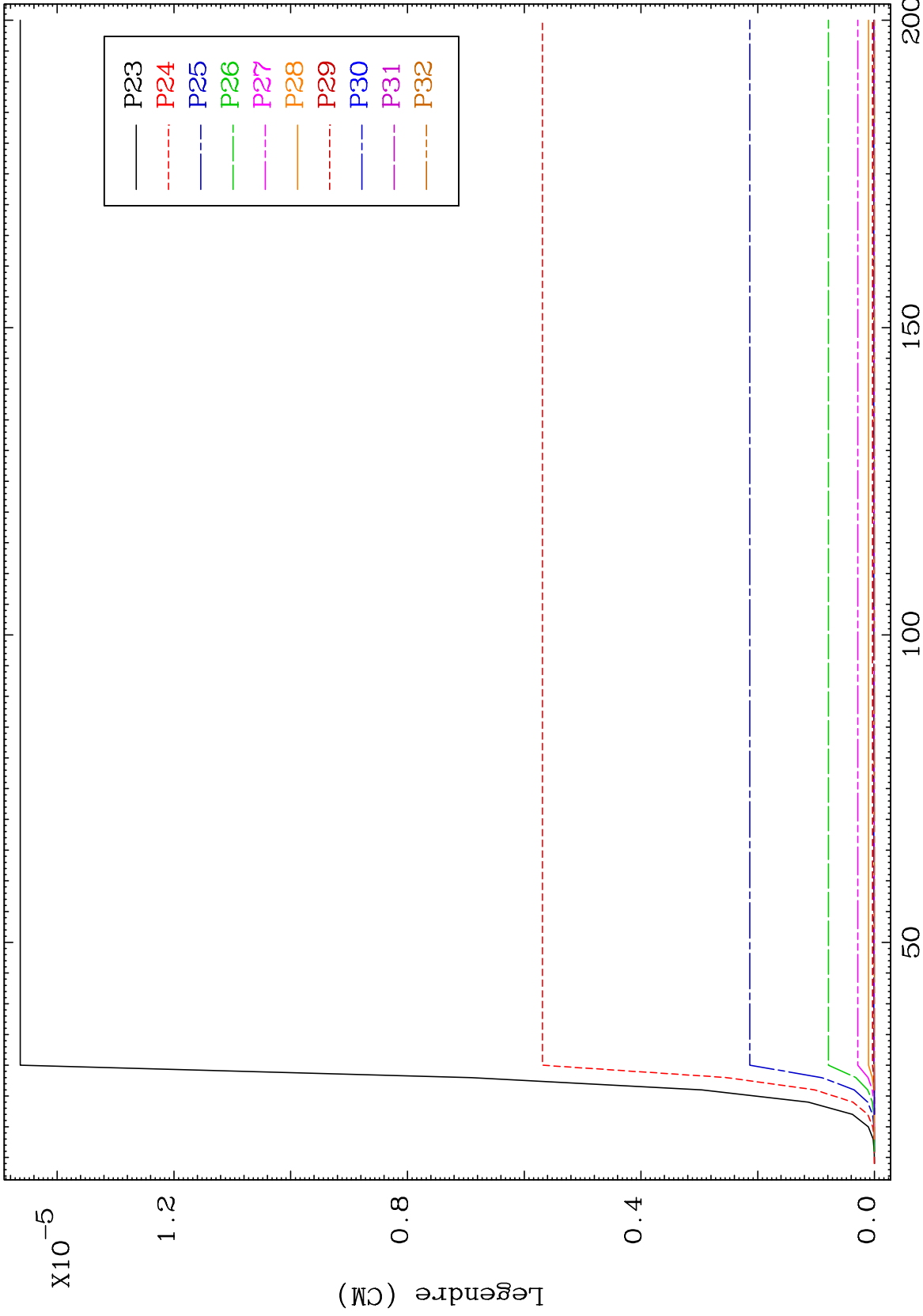
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



56

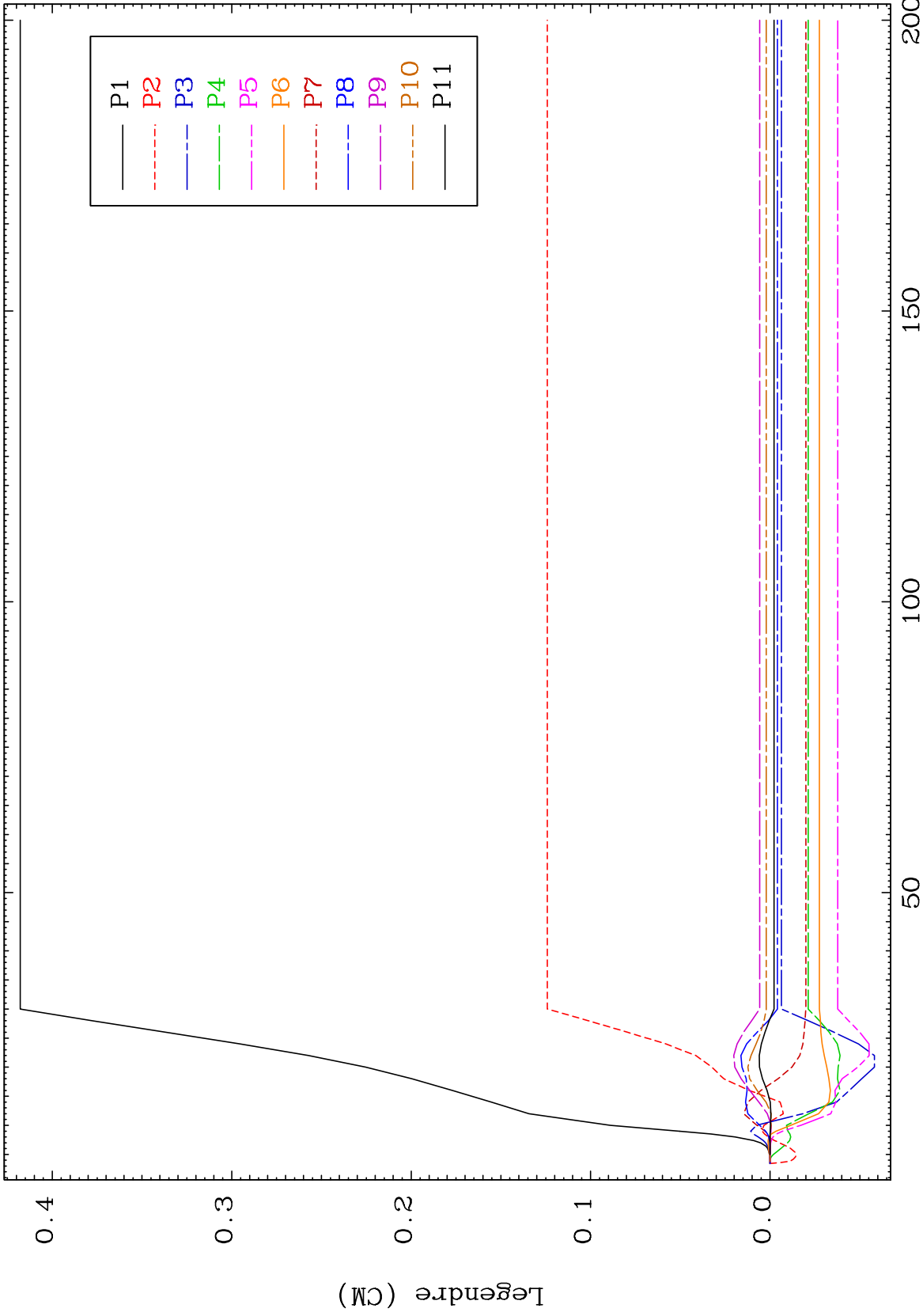
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



57

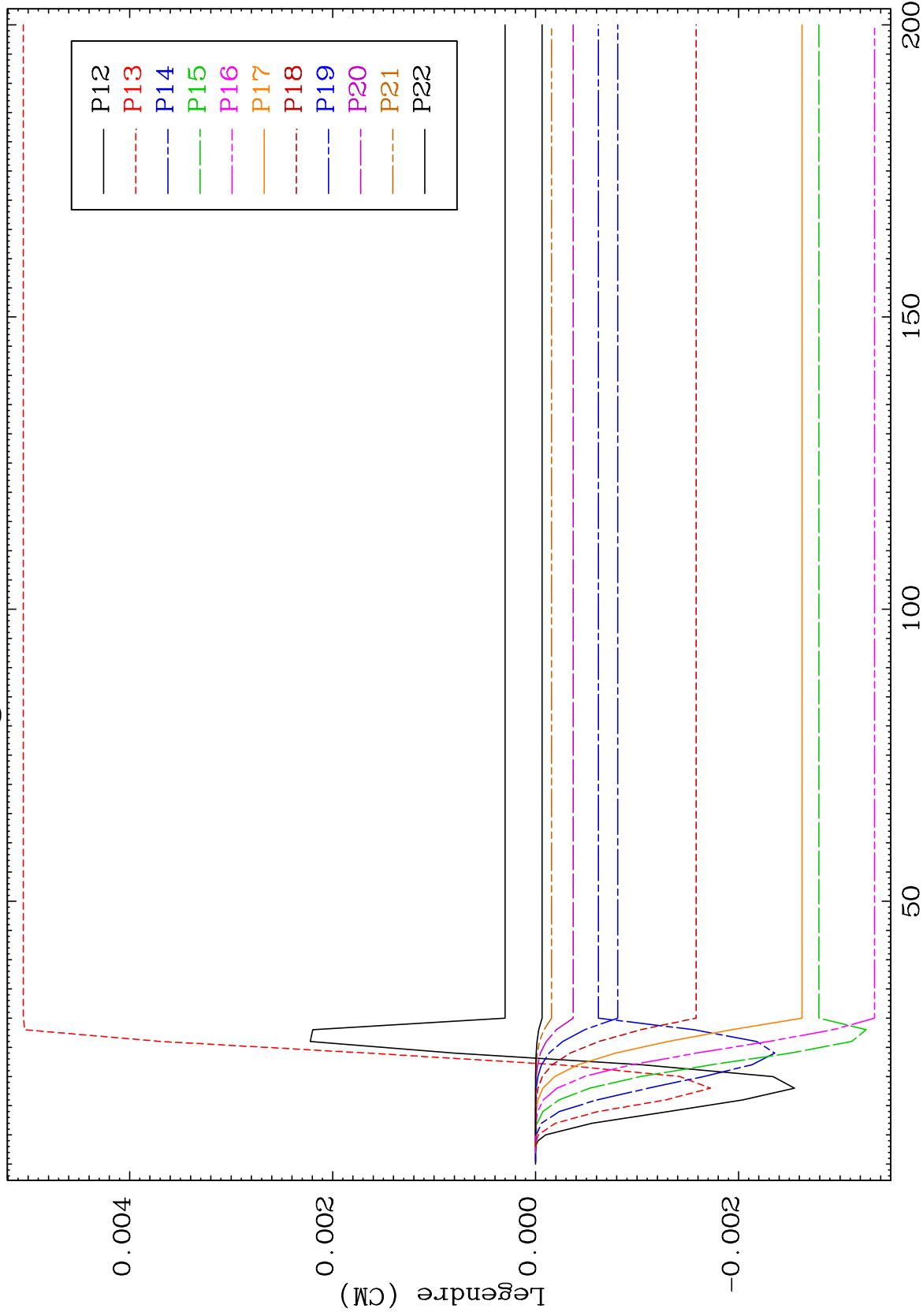
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



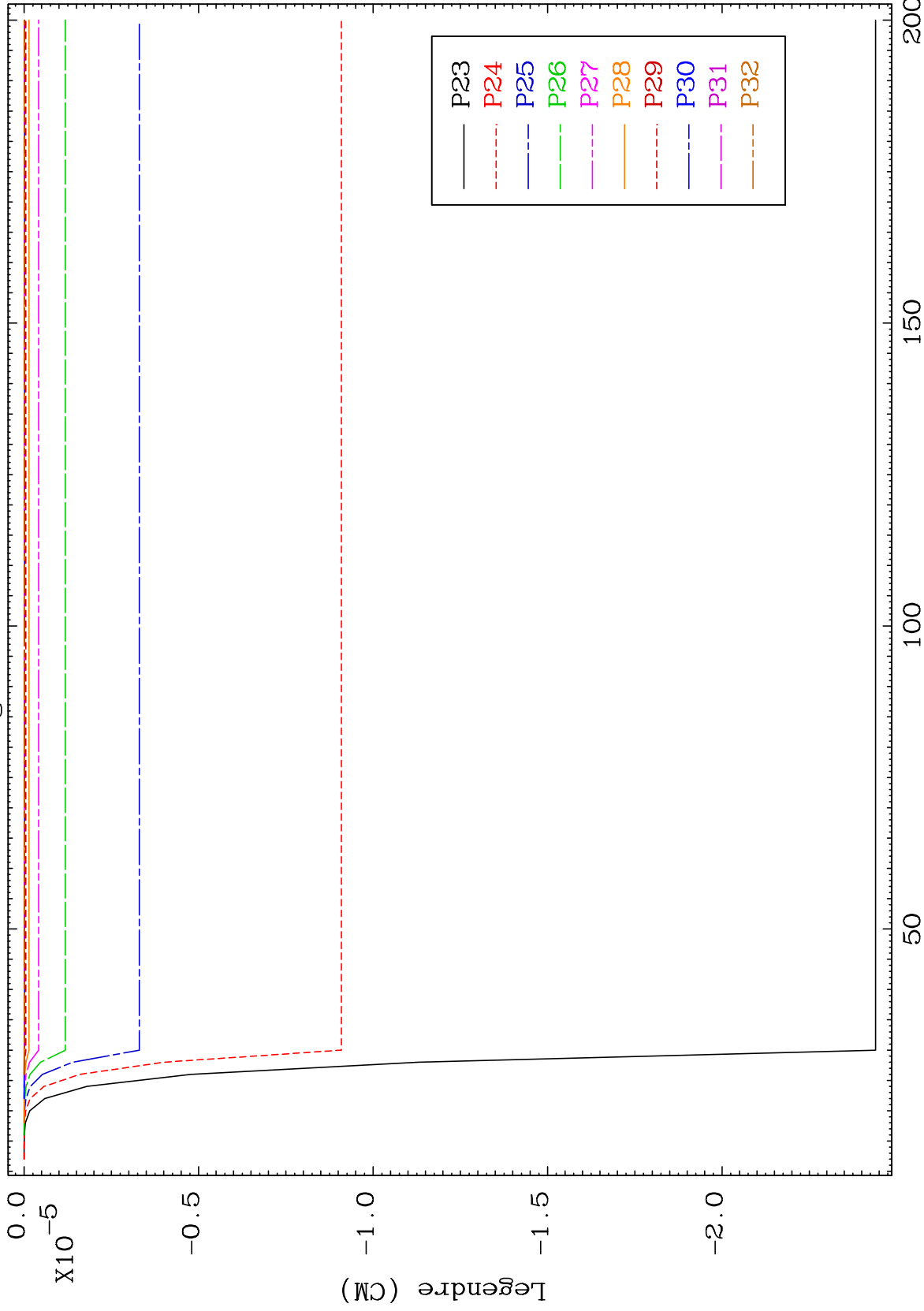
58

34-Se-82

MAT 3449

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

34-Se-82



59

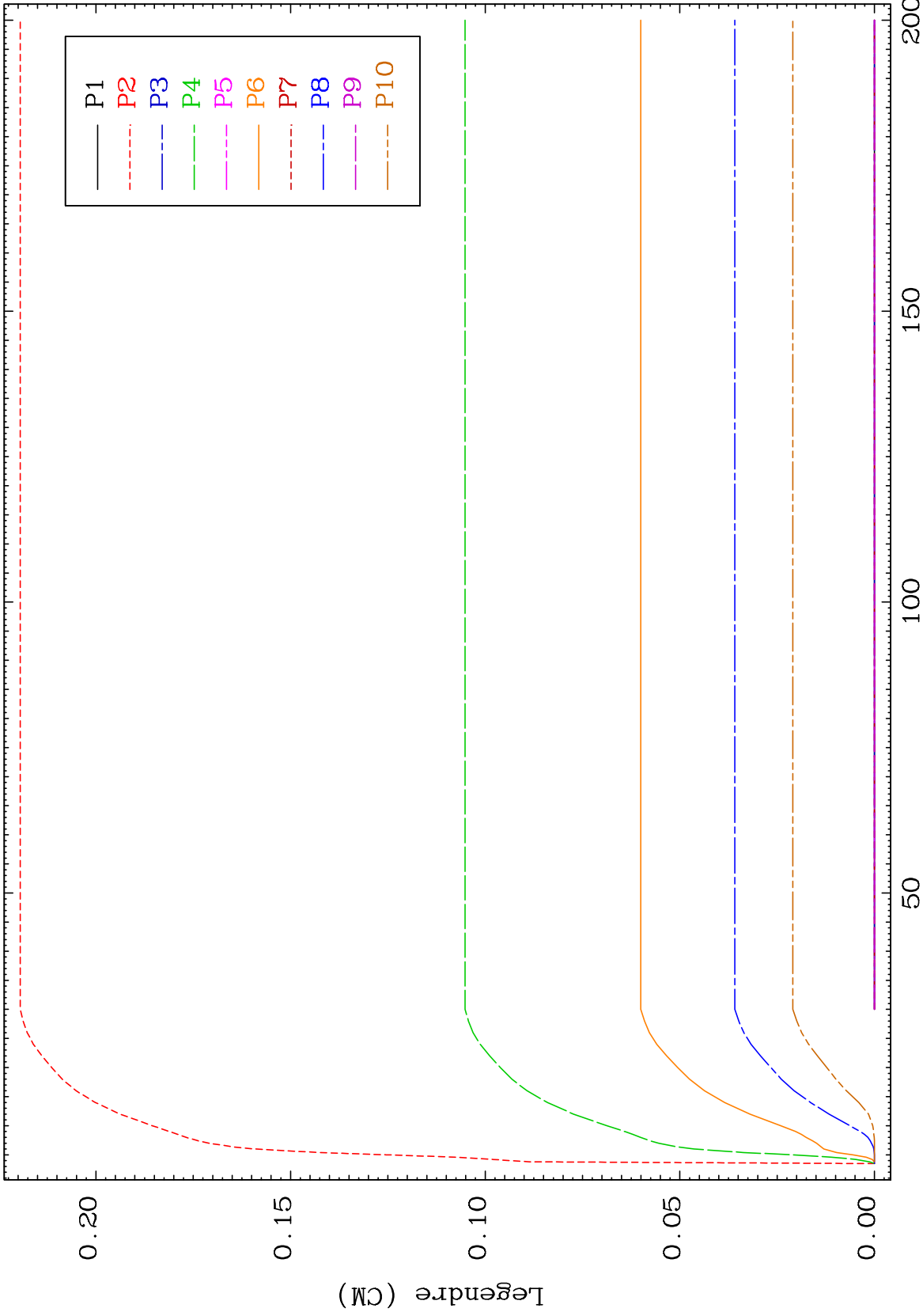
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



60

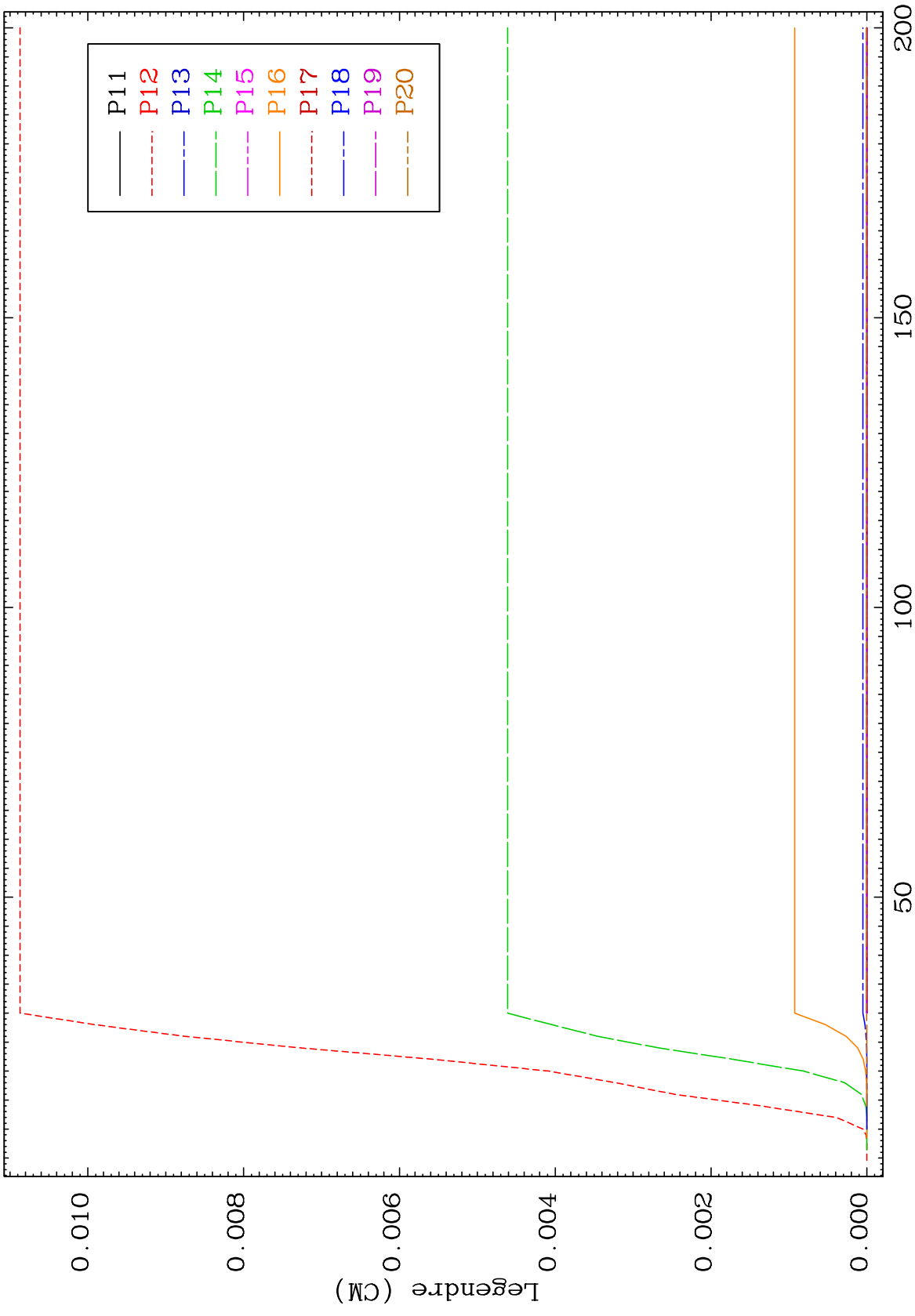
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



61

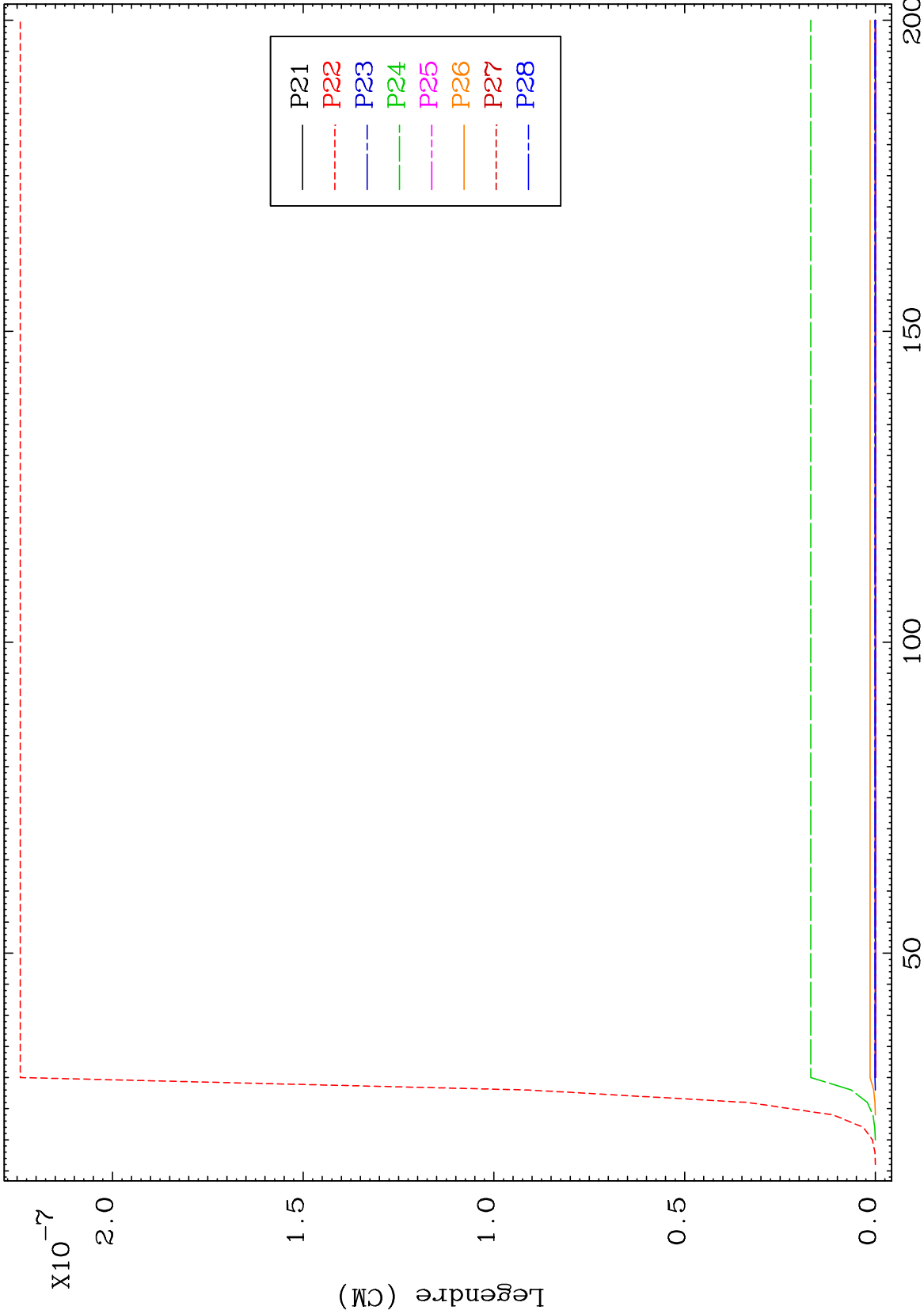
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



62

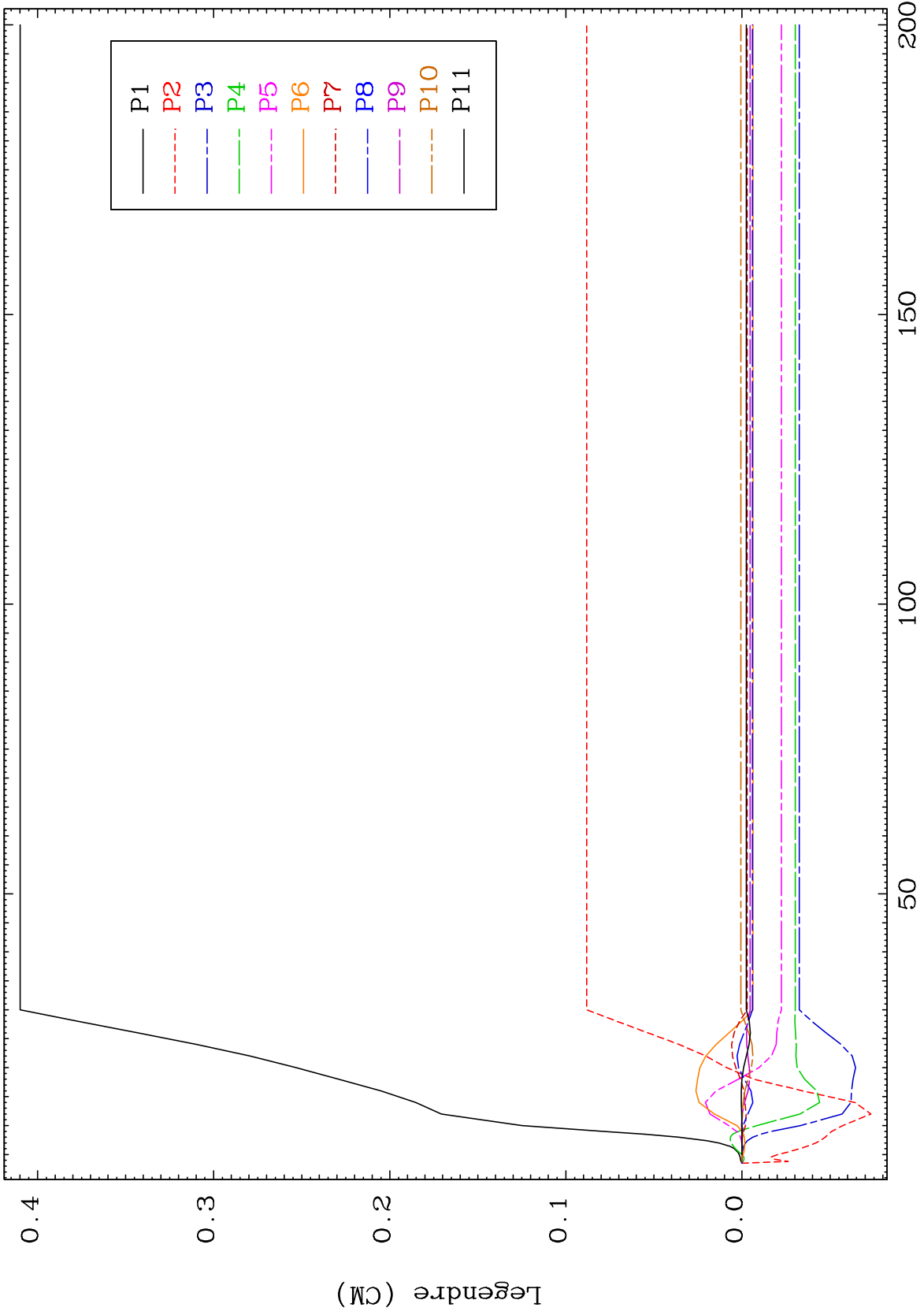
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



63

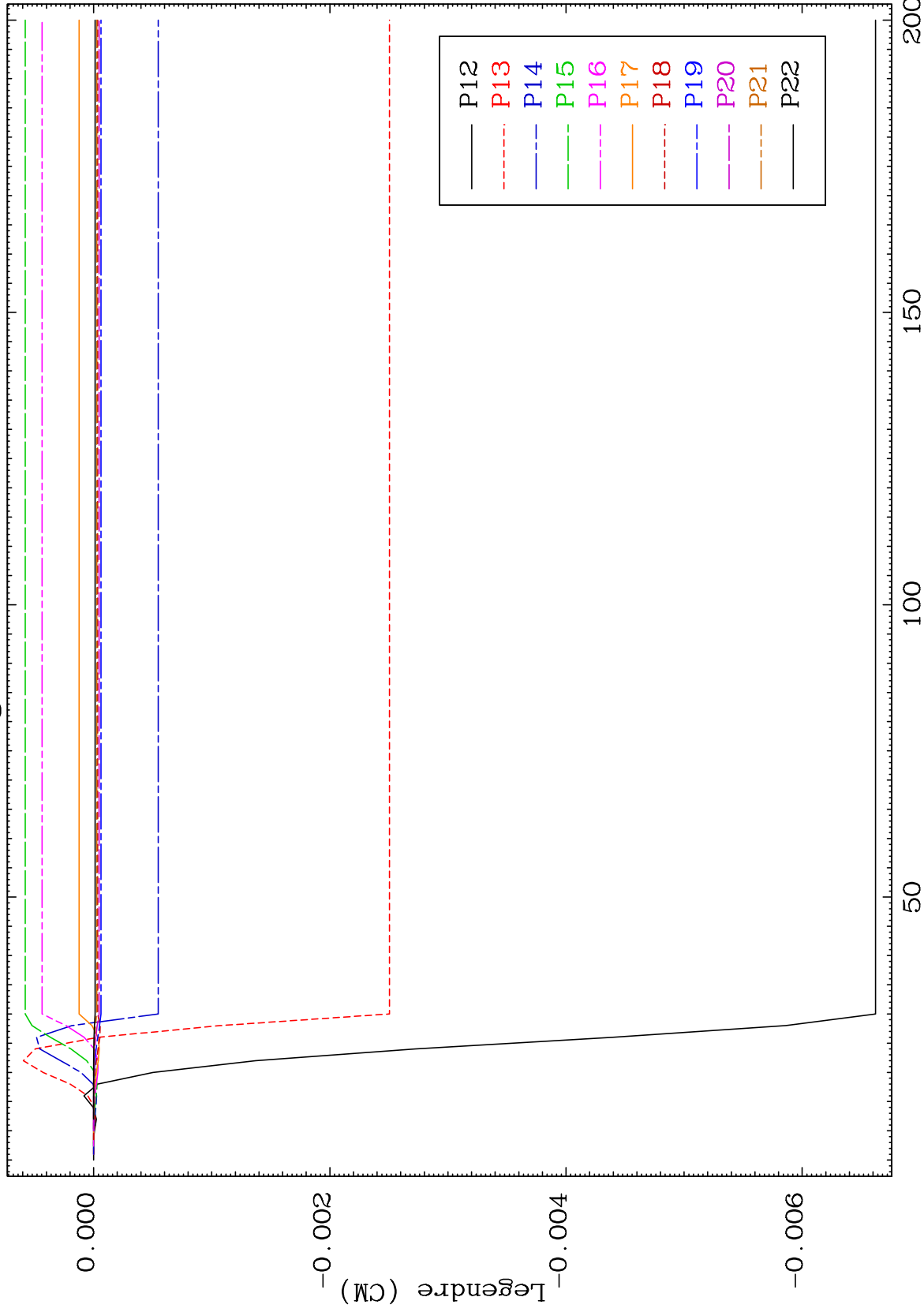
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



64

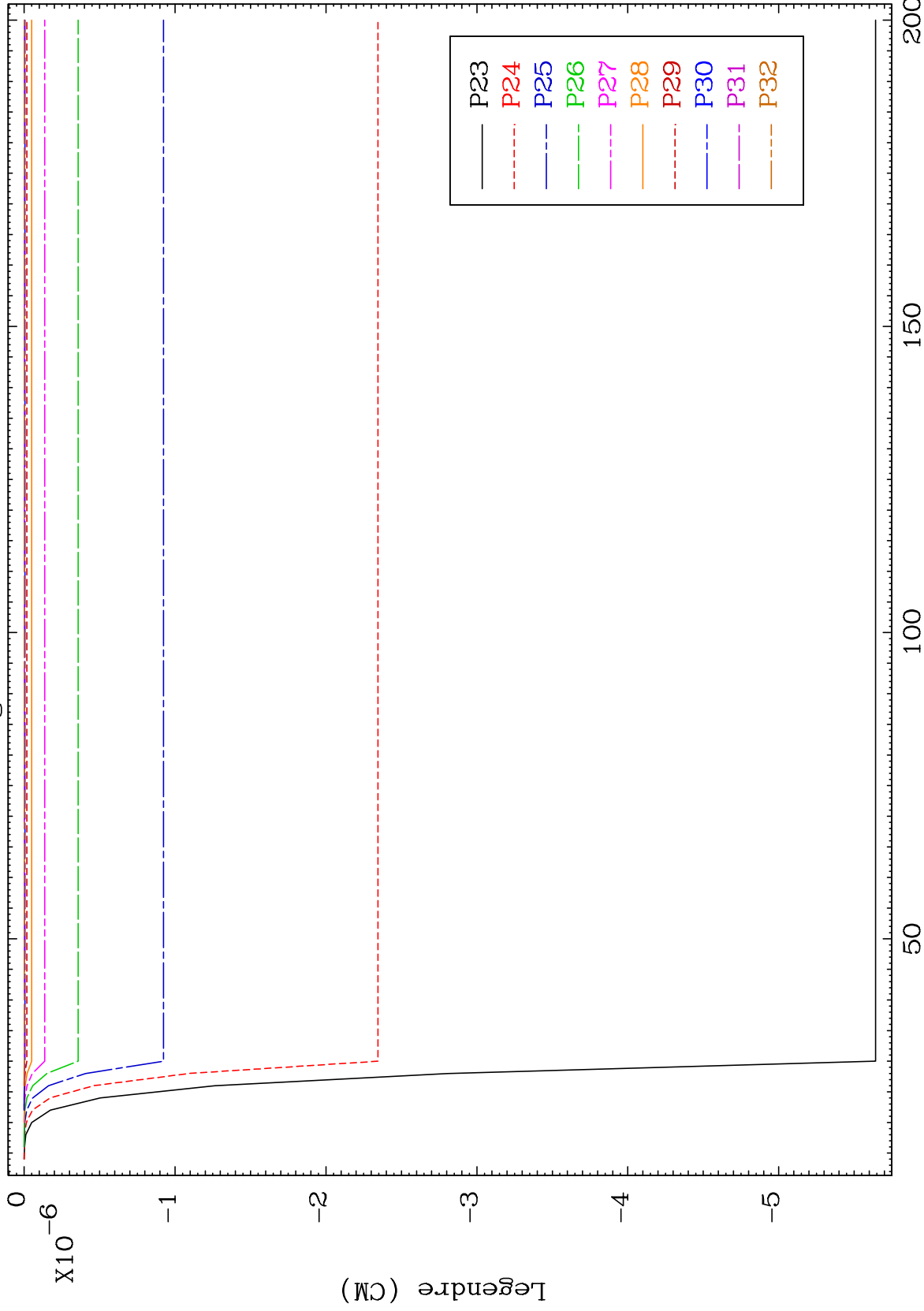
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



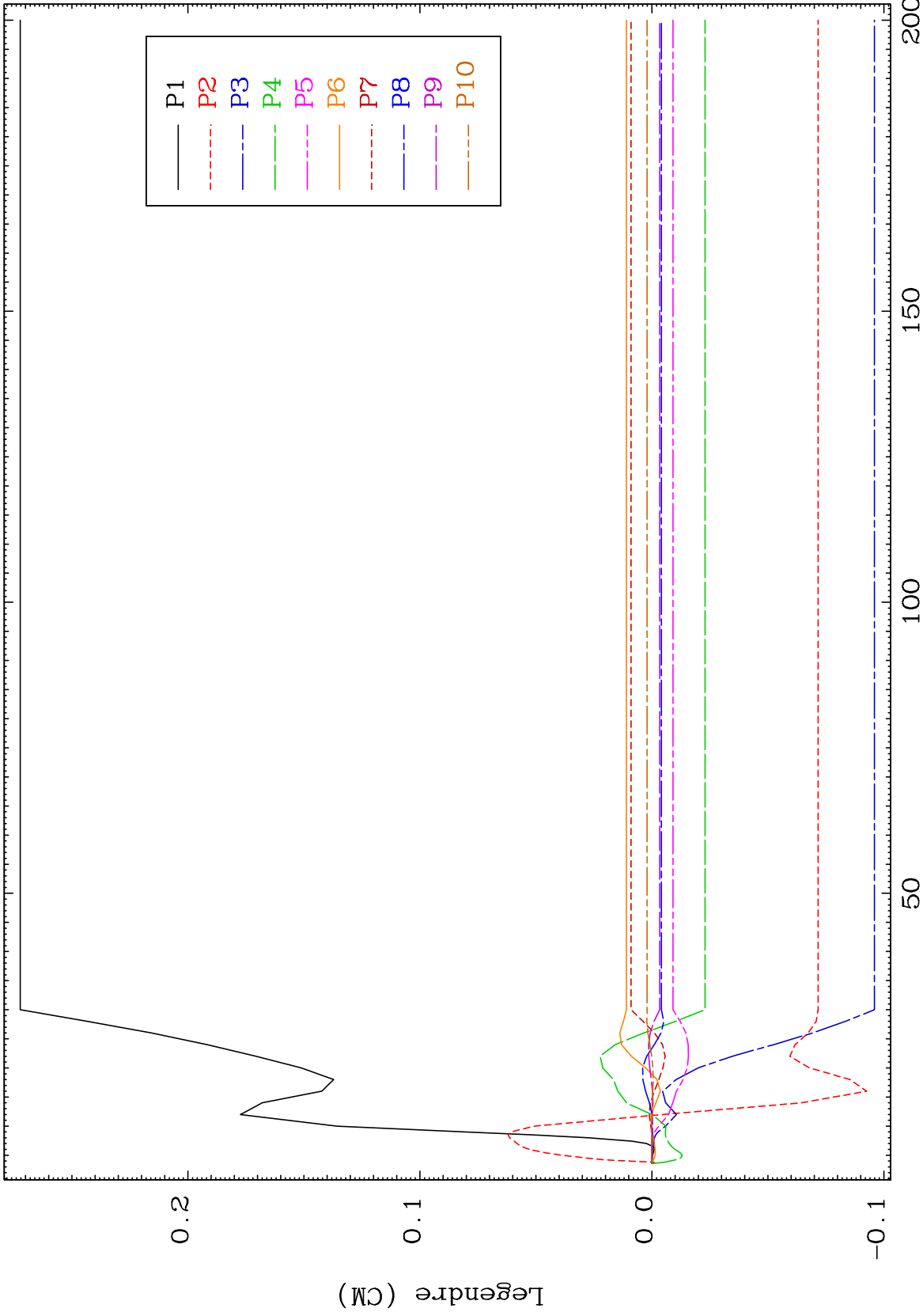
65

34-Se-82

MAT 3449

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

34-Se-82



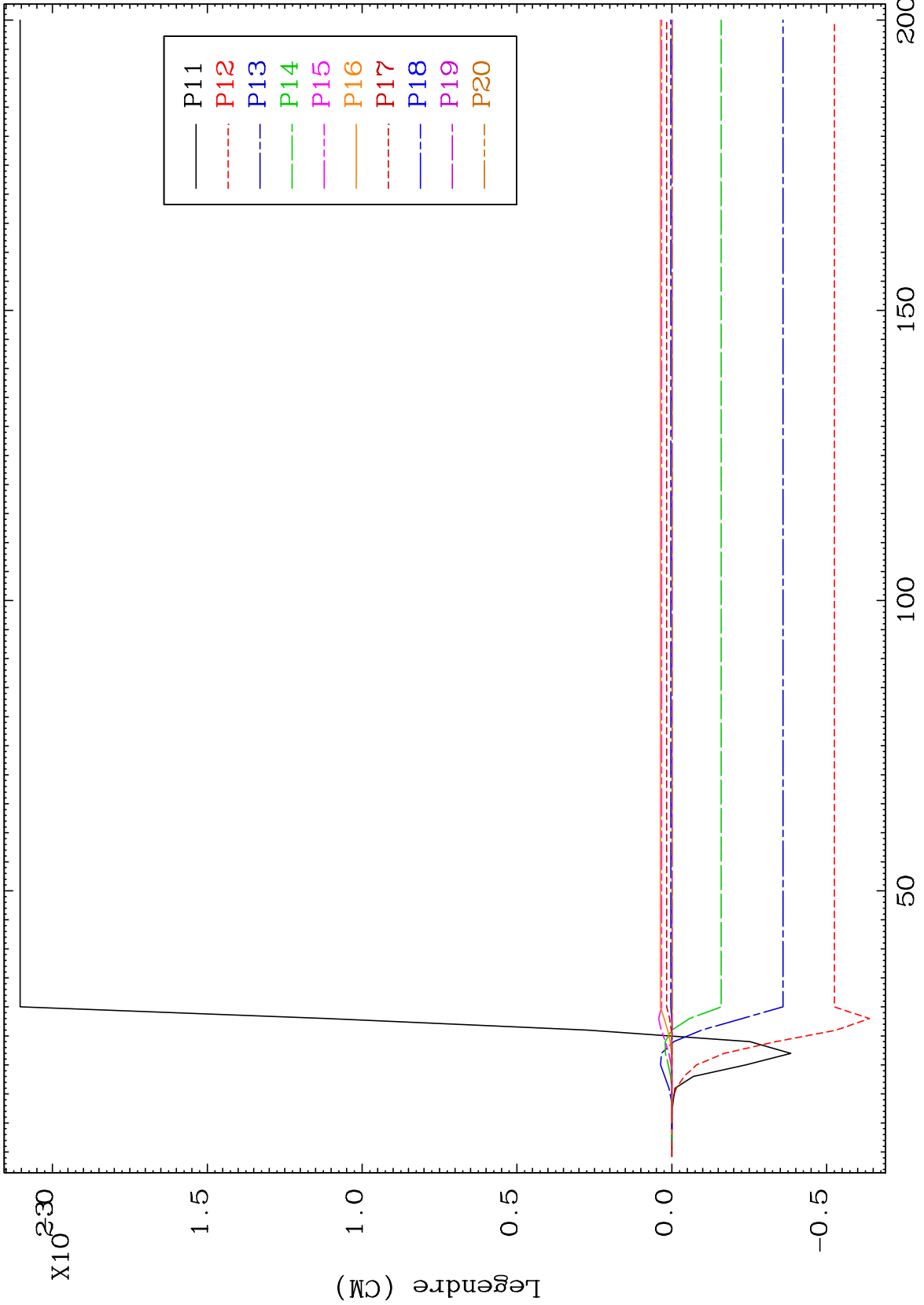
66

34-Se-82

MAT 3449

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

34-Se-82



67

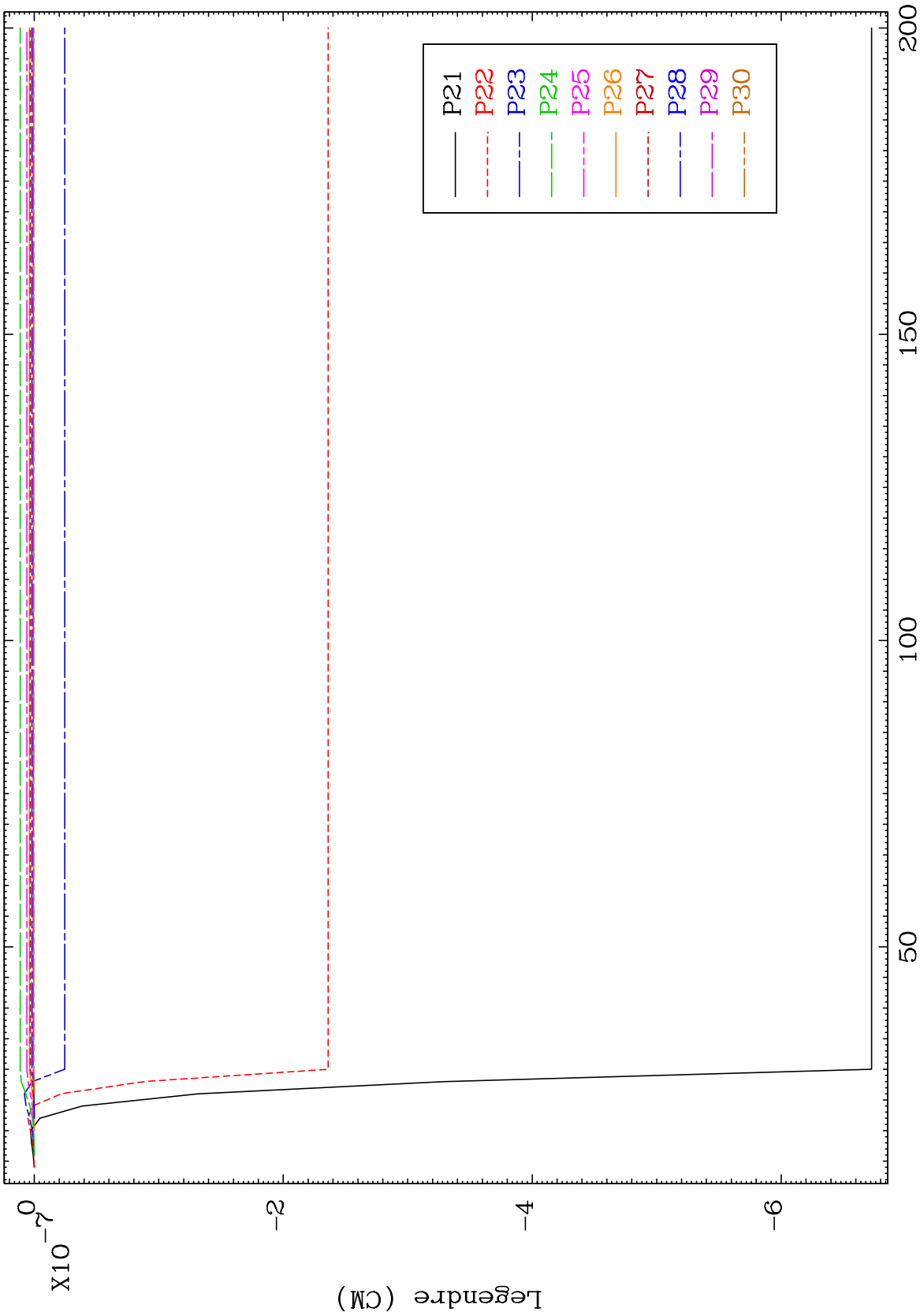
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



68

Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



69

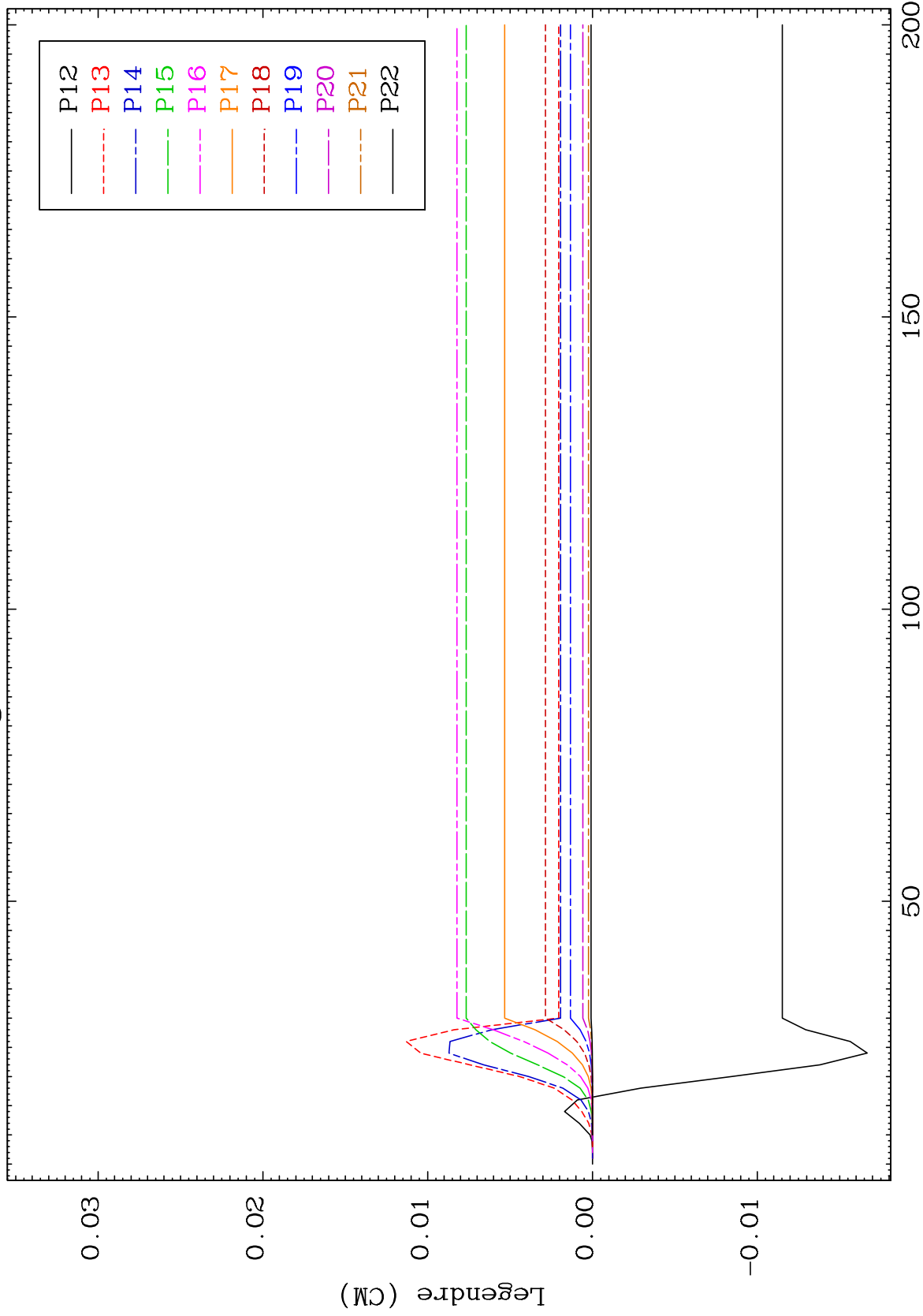
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



70

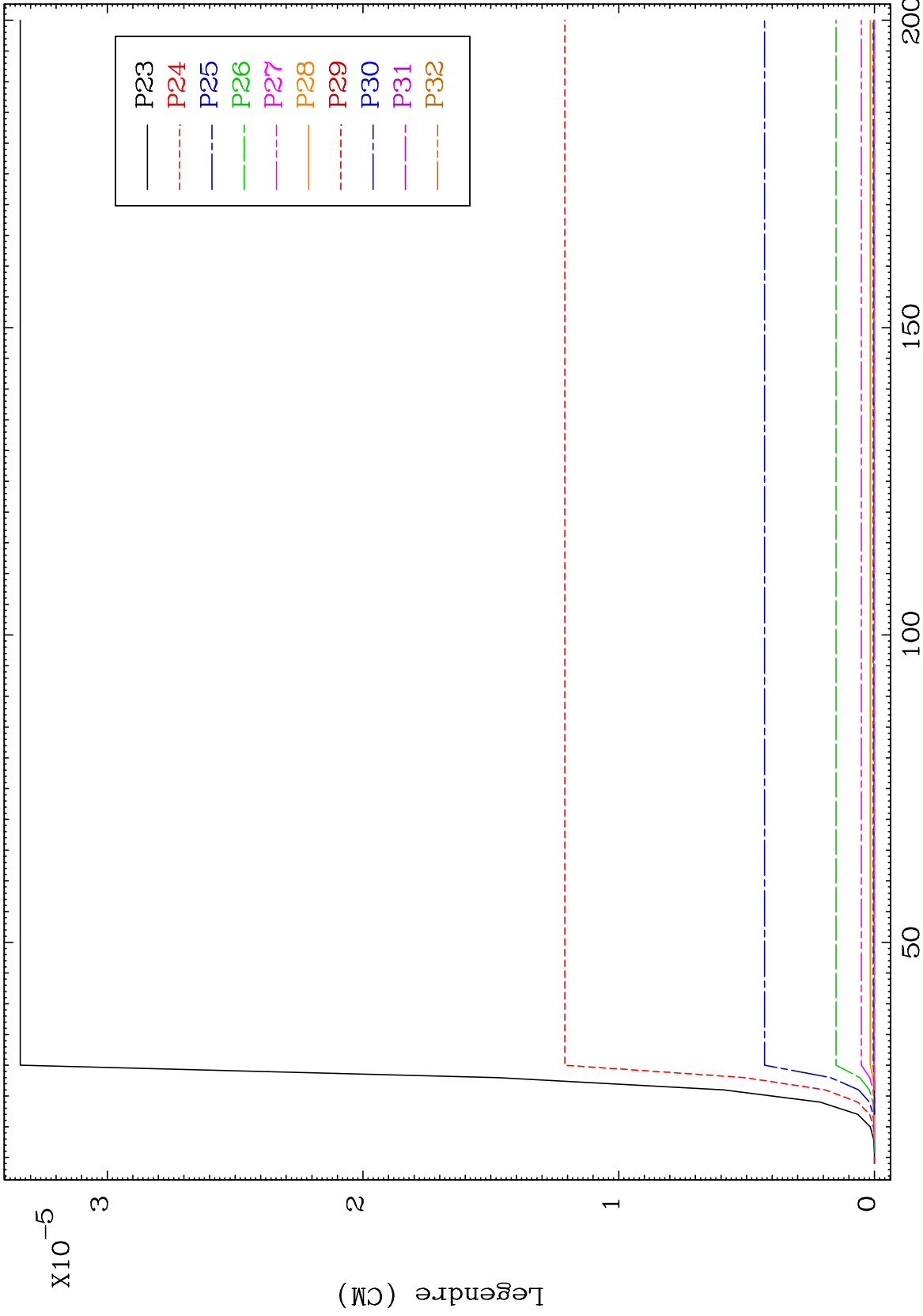
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



71

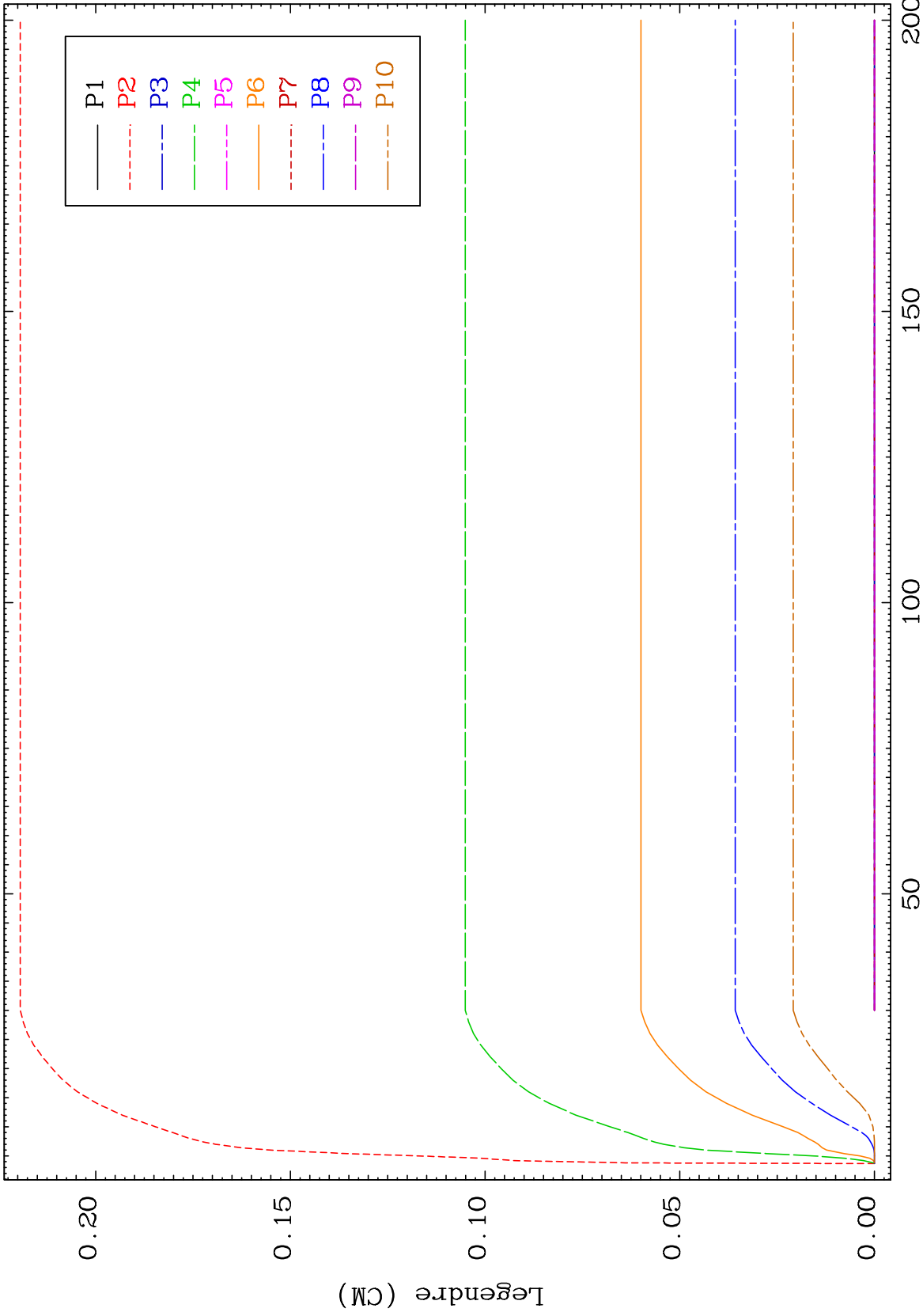
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



72

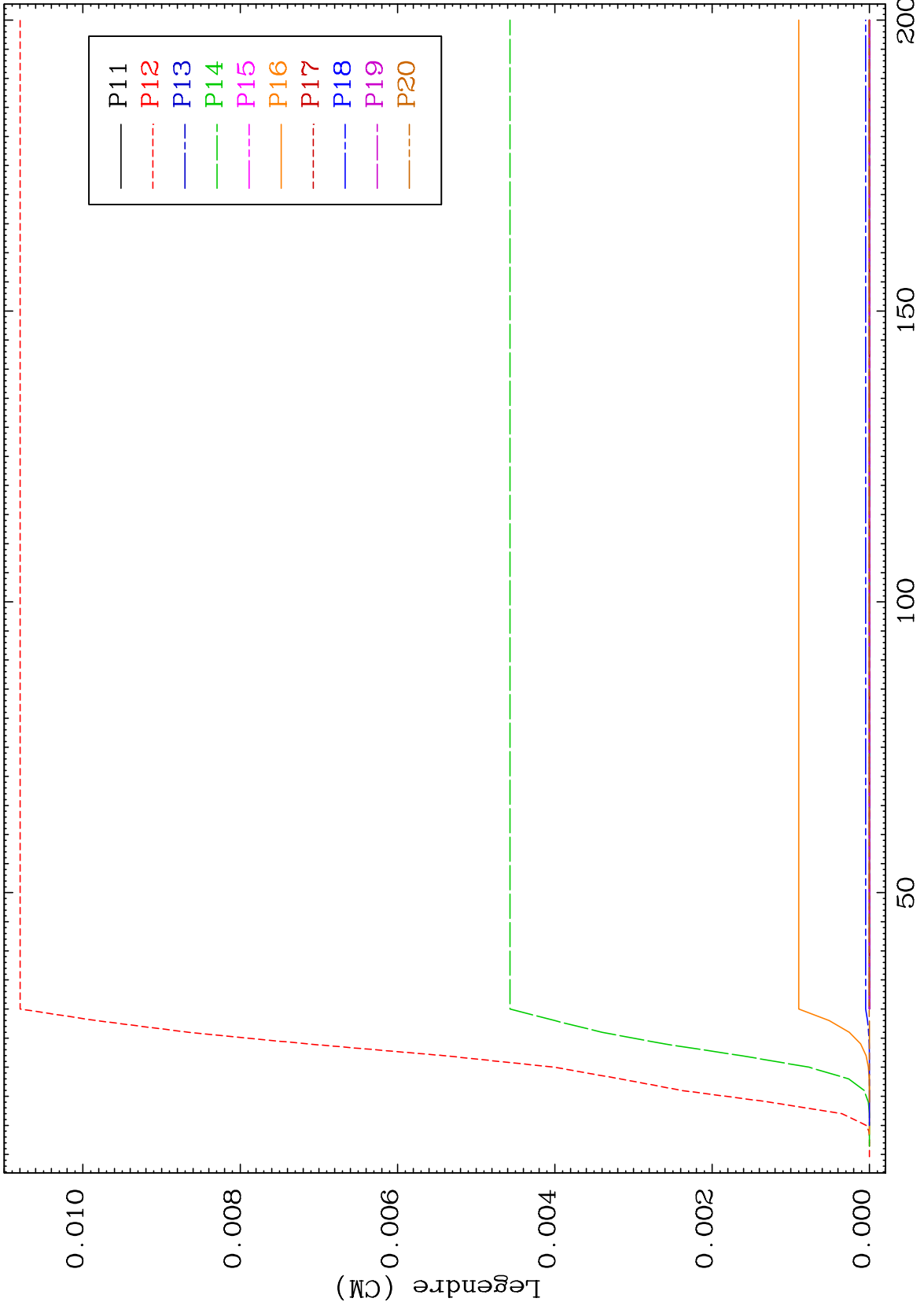
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



73

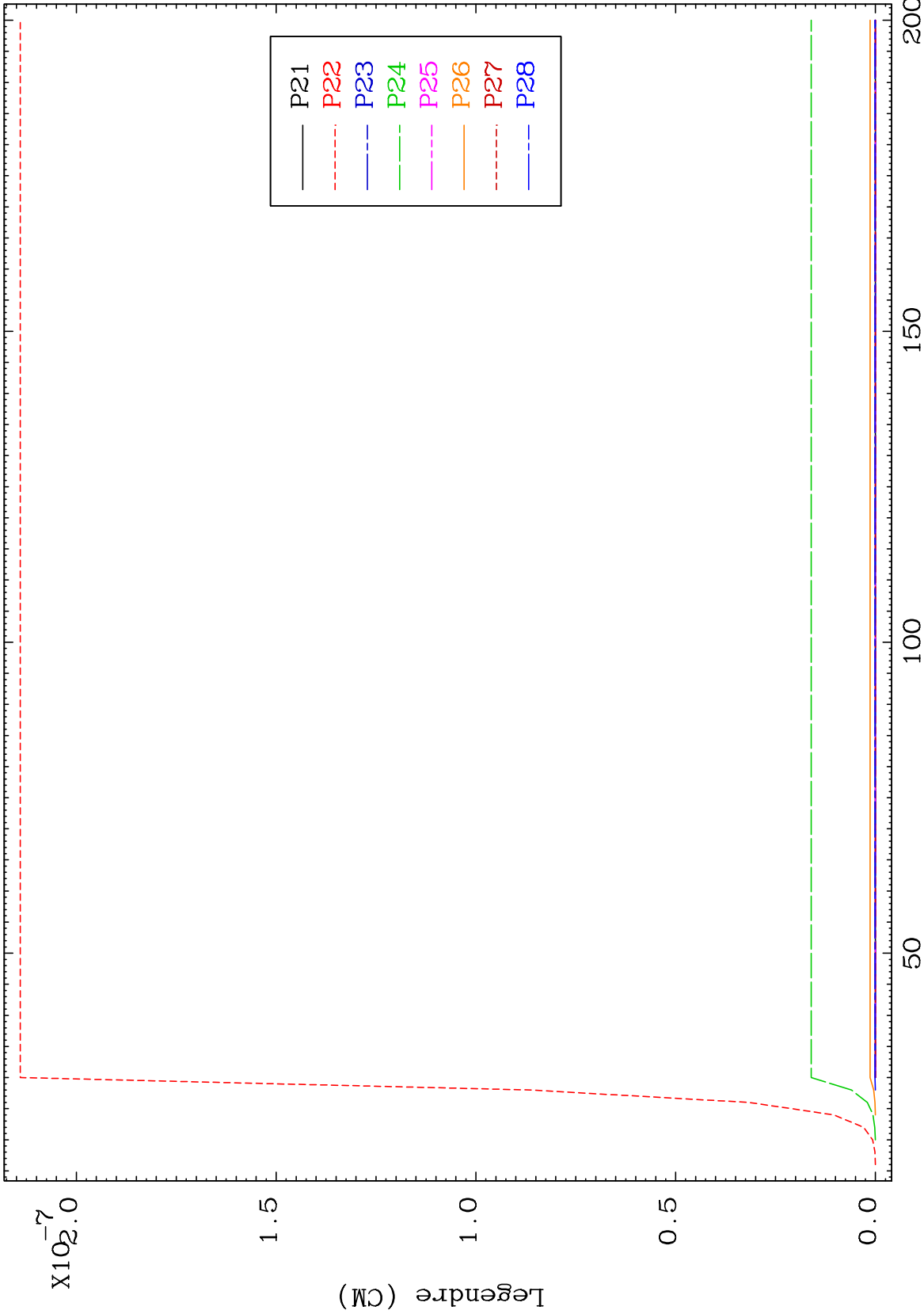
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



74

Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



75

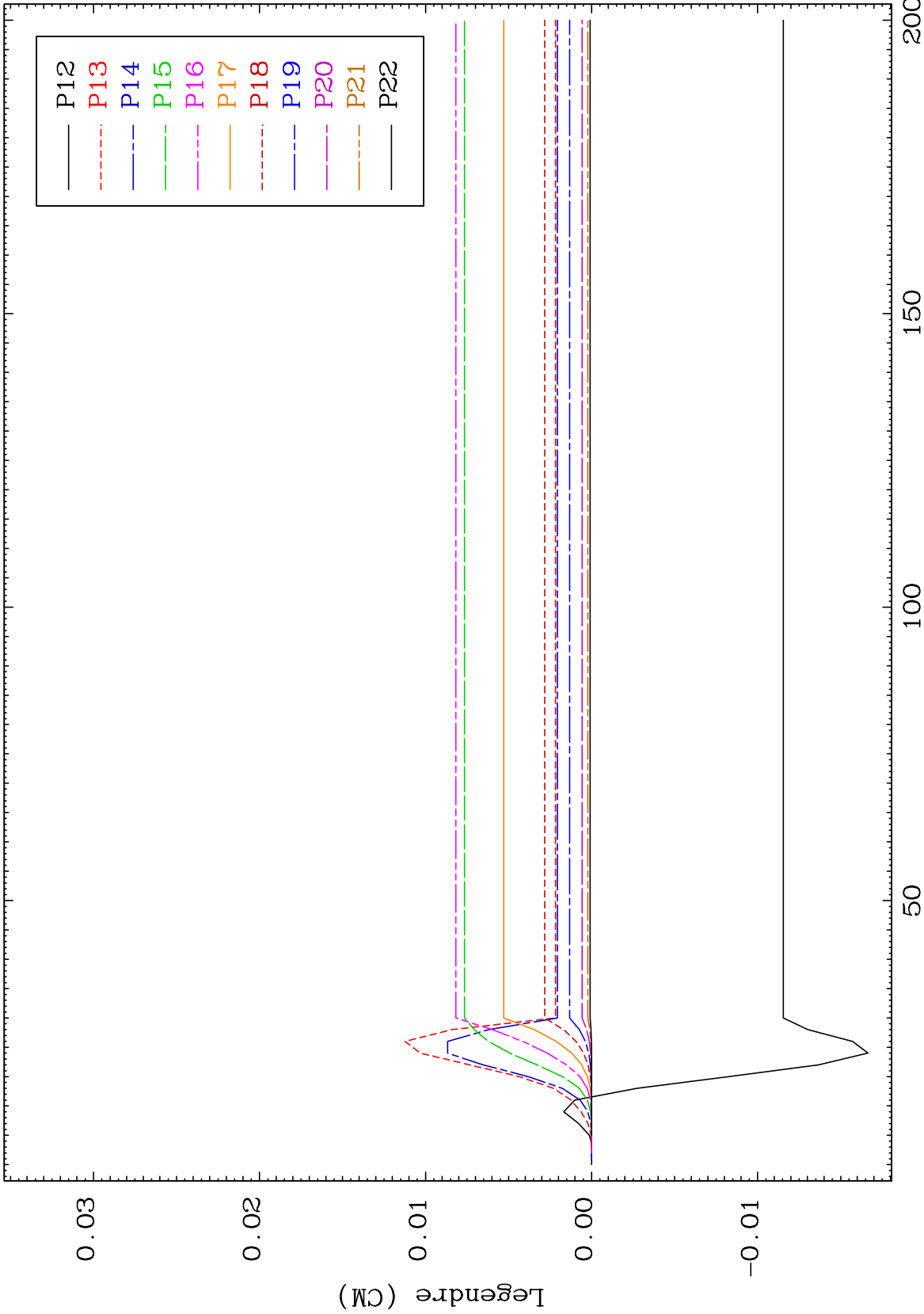
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



76

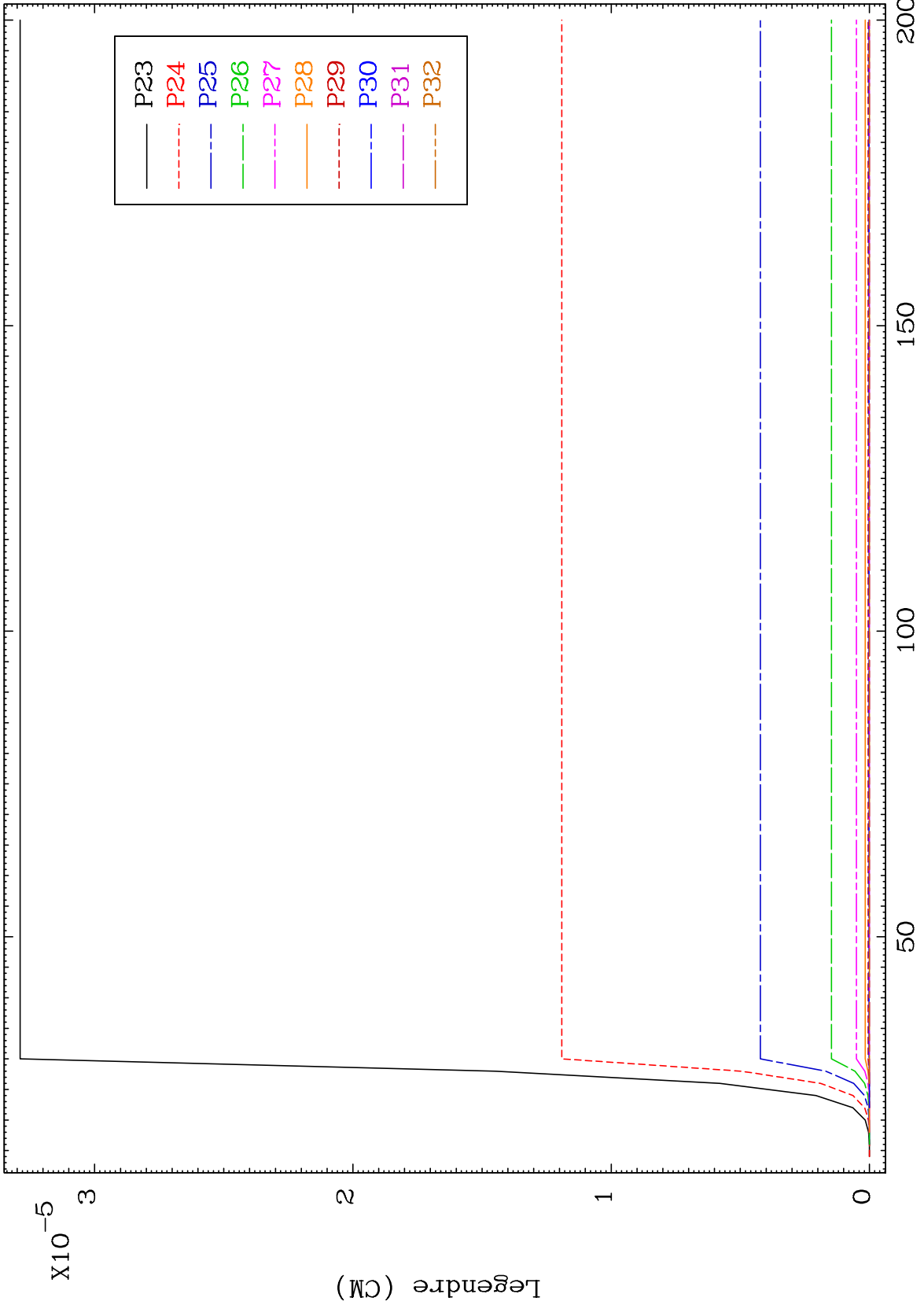
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



77

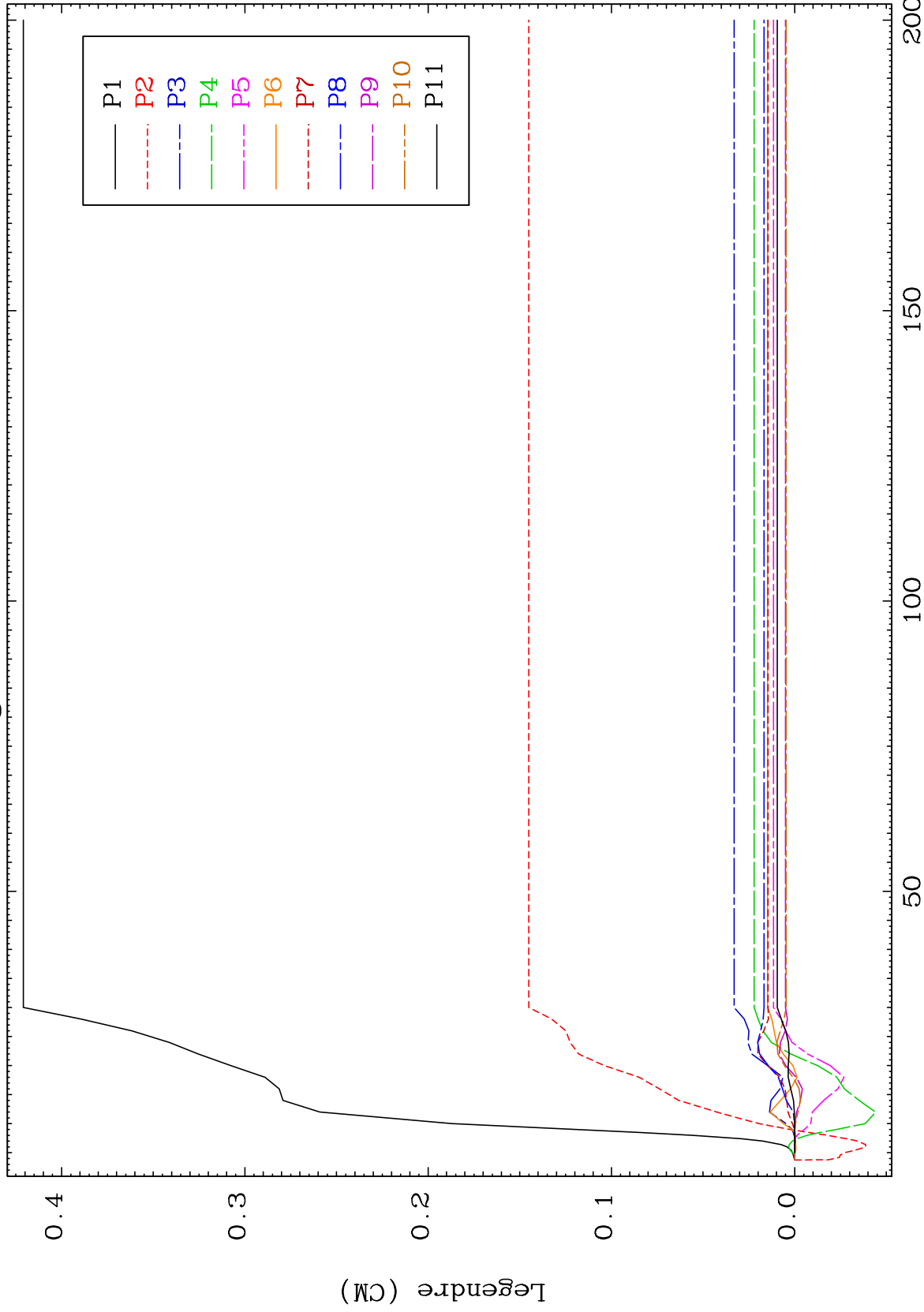
Incident Energy (MeV)

34-Se-82

MAT 3449

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

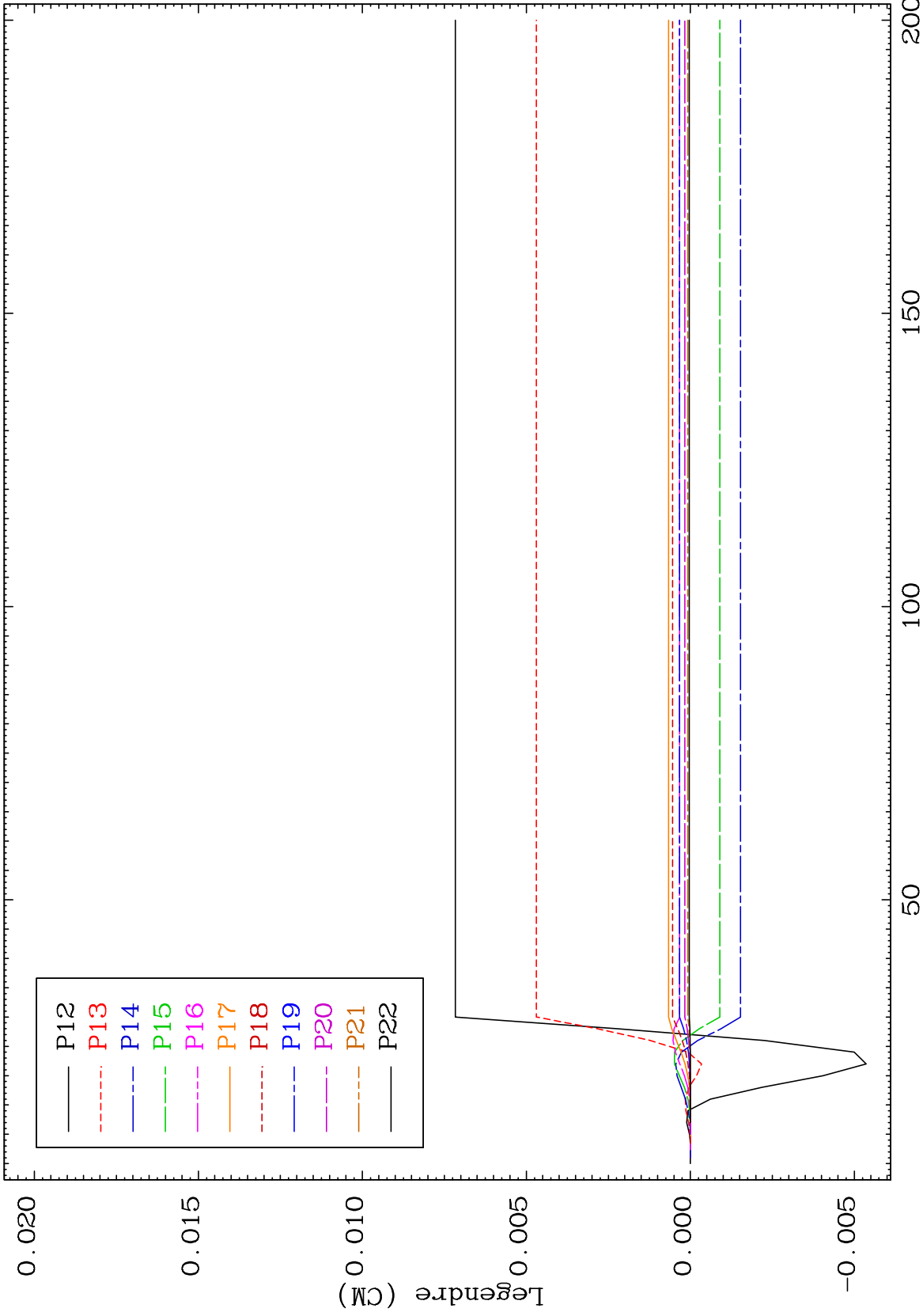
34-Se-82



78

Incident Energy (MeV)

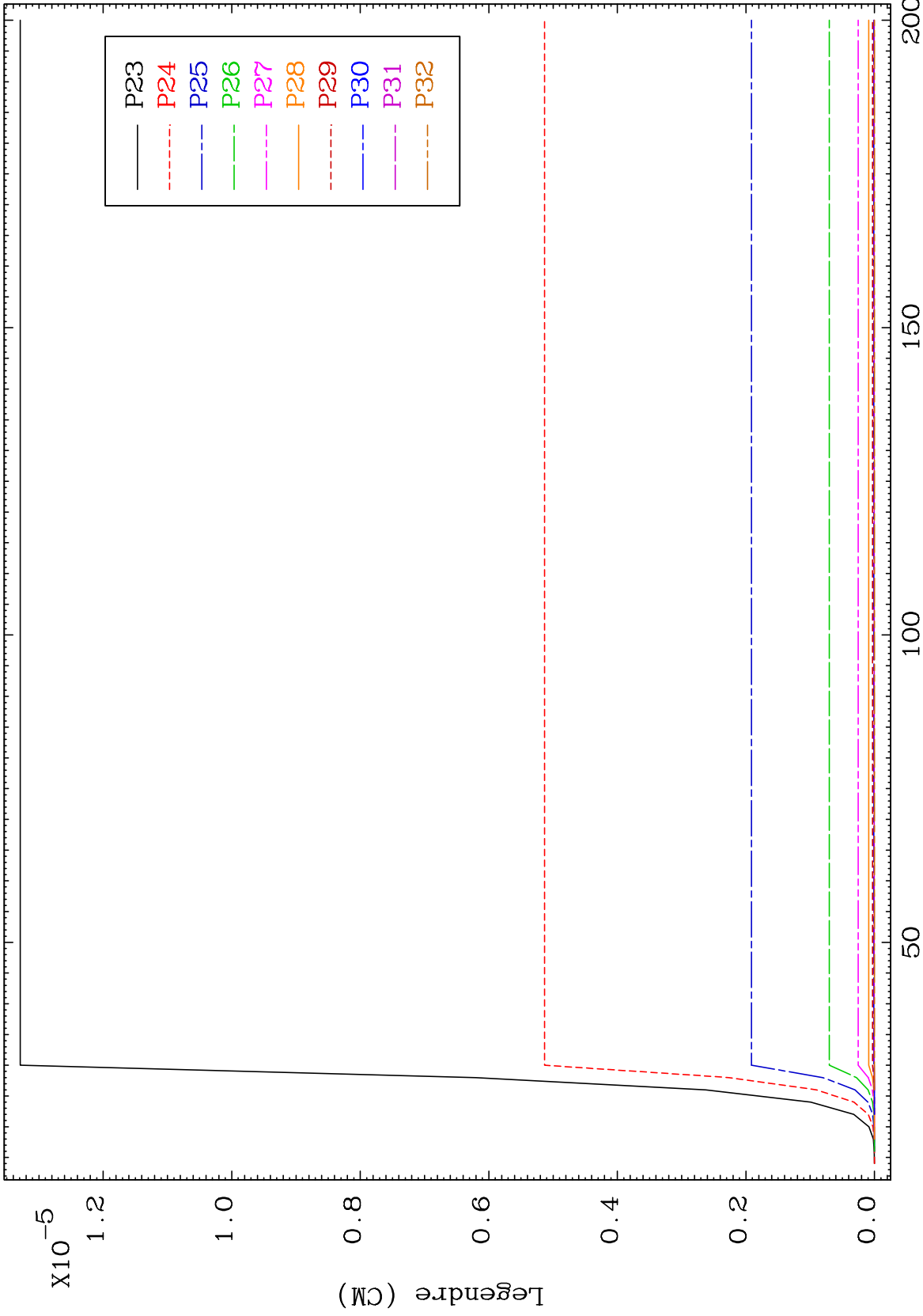
34-Se-82



MAT 3449

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

34-Se-82



80

Incident Energy (MeV)

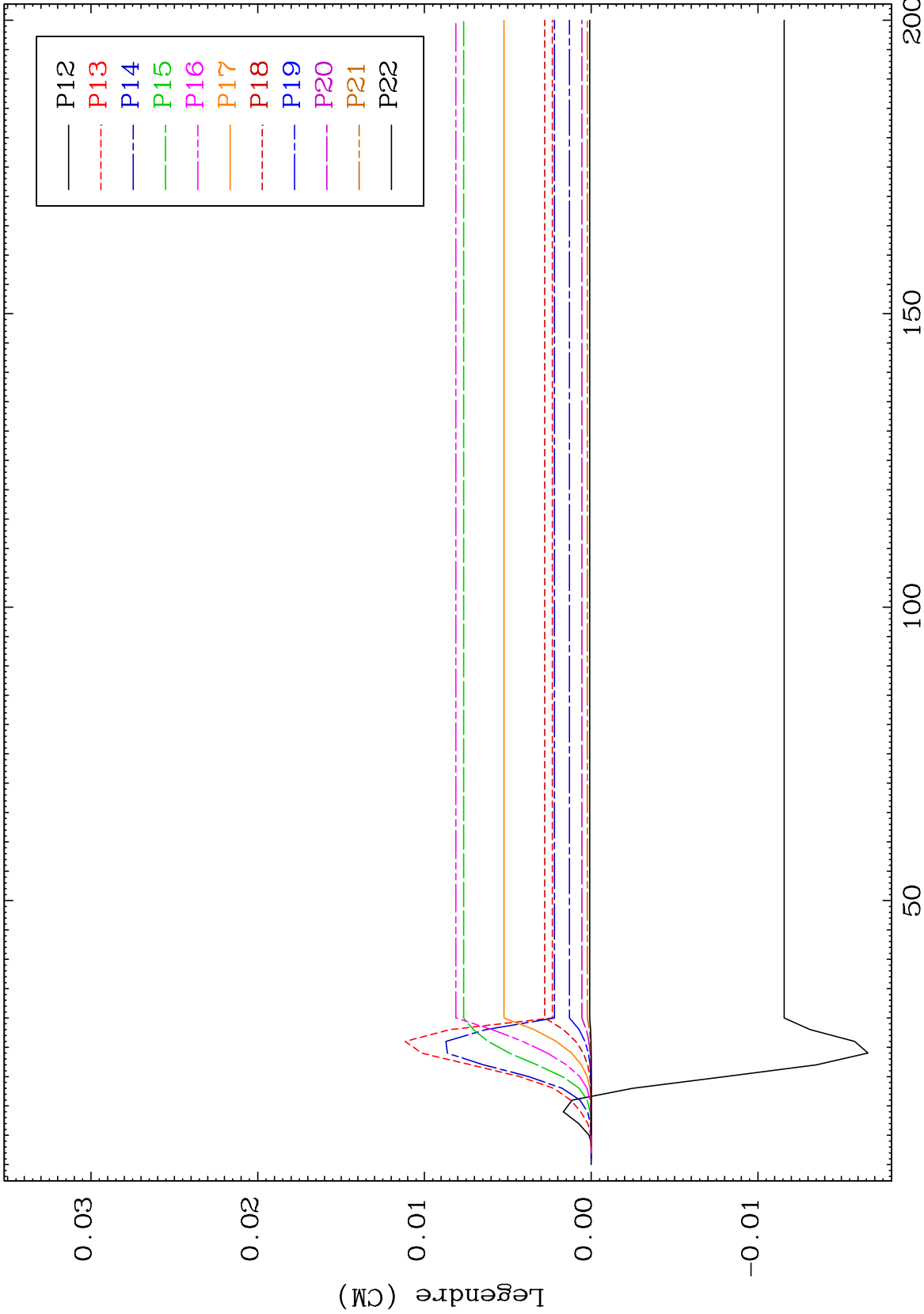
34-Se-82



MAT 3449

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

34-Se-82



82

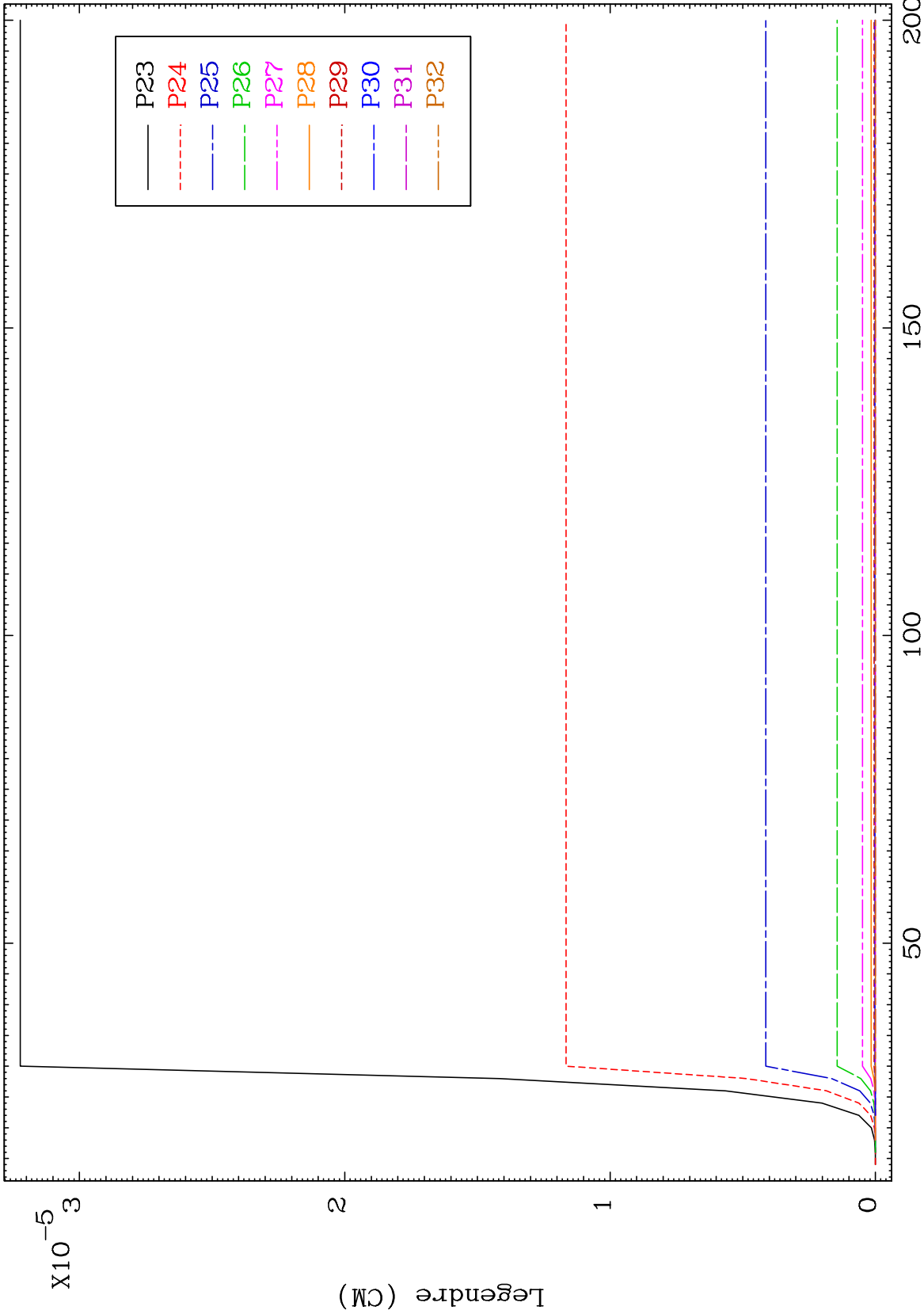
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



83

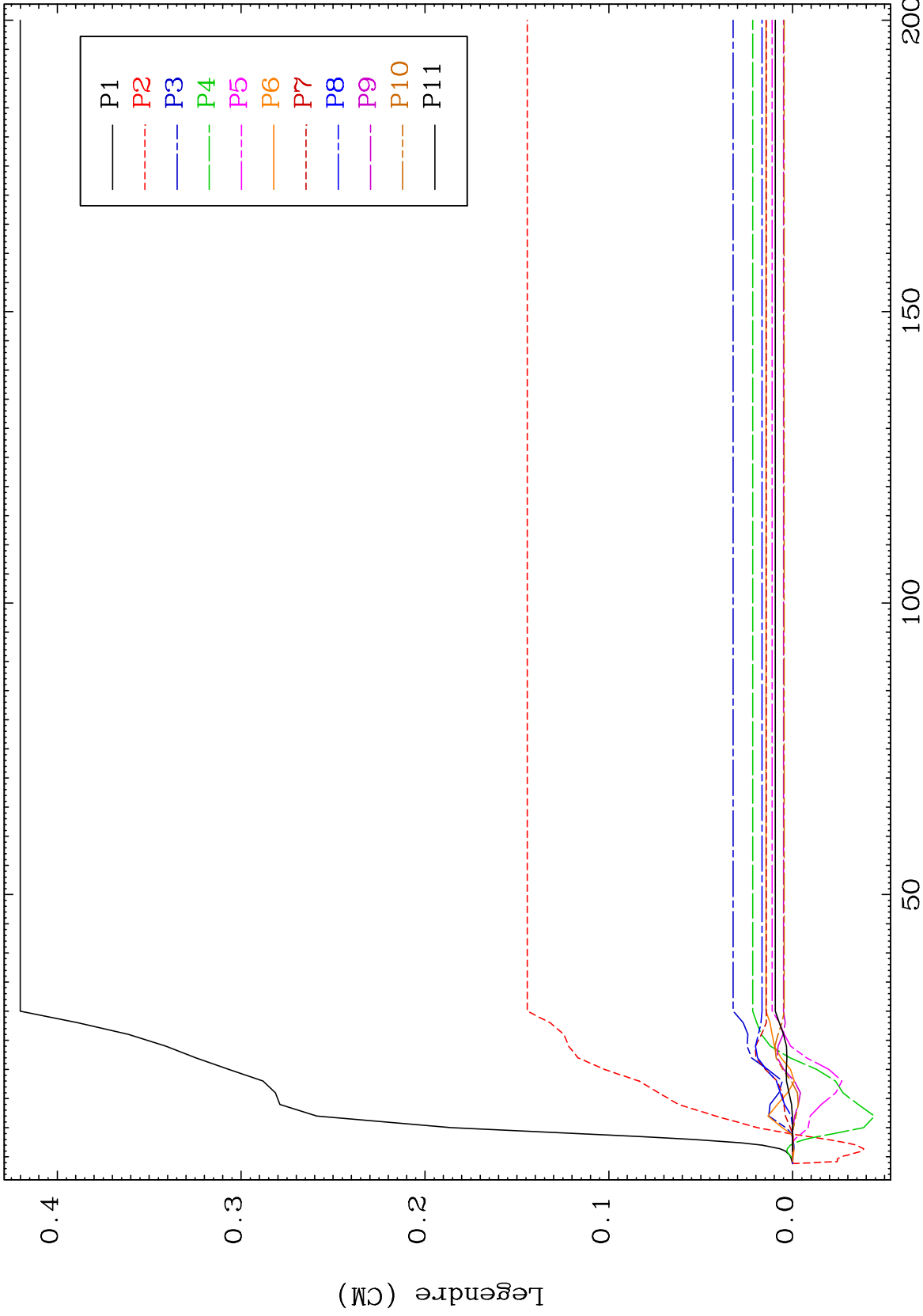
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



84

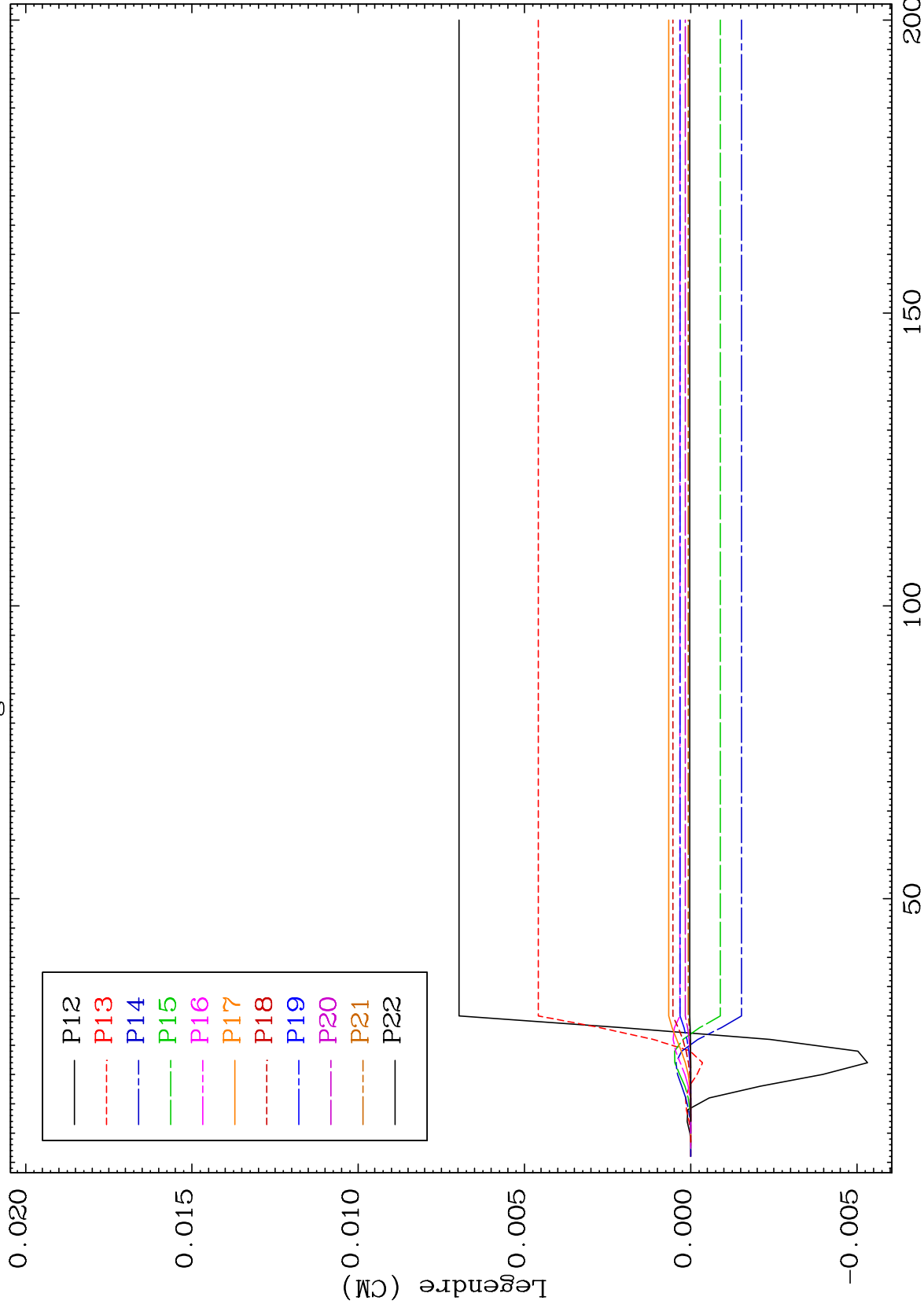
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



85

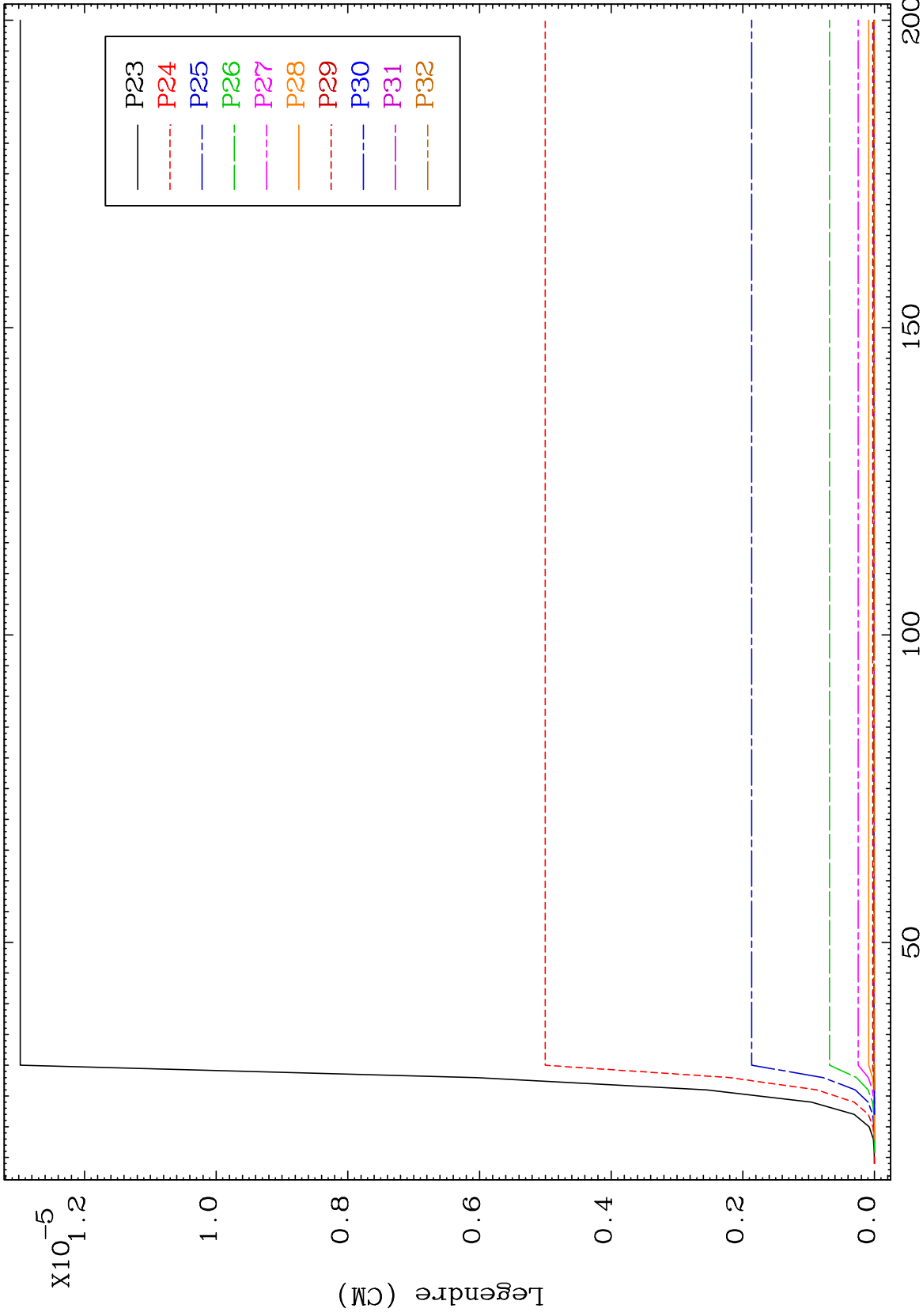
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



86

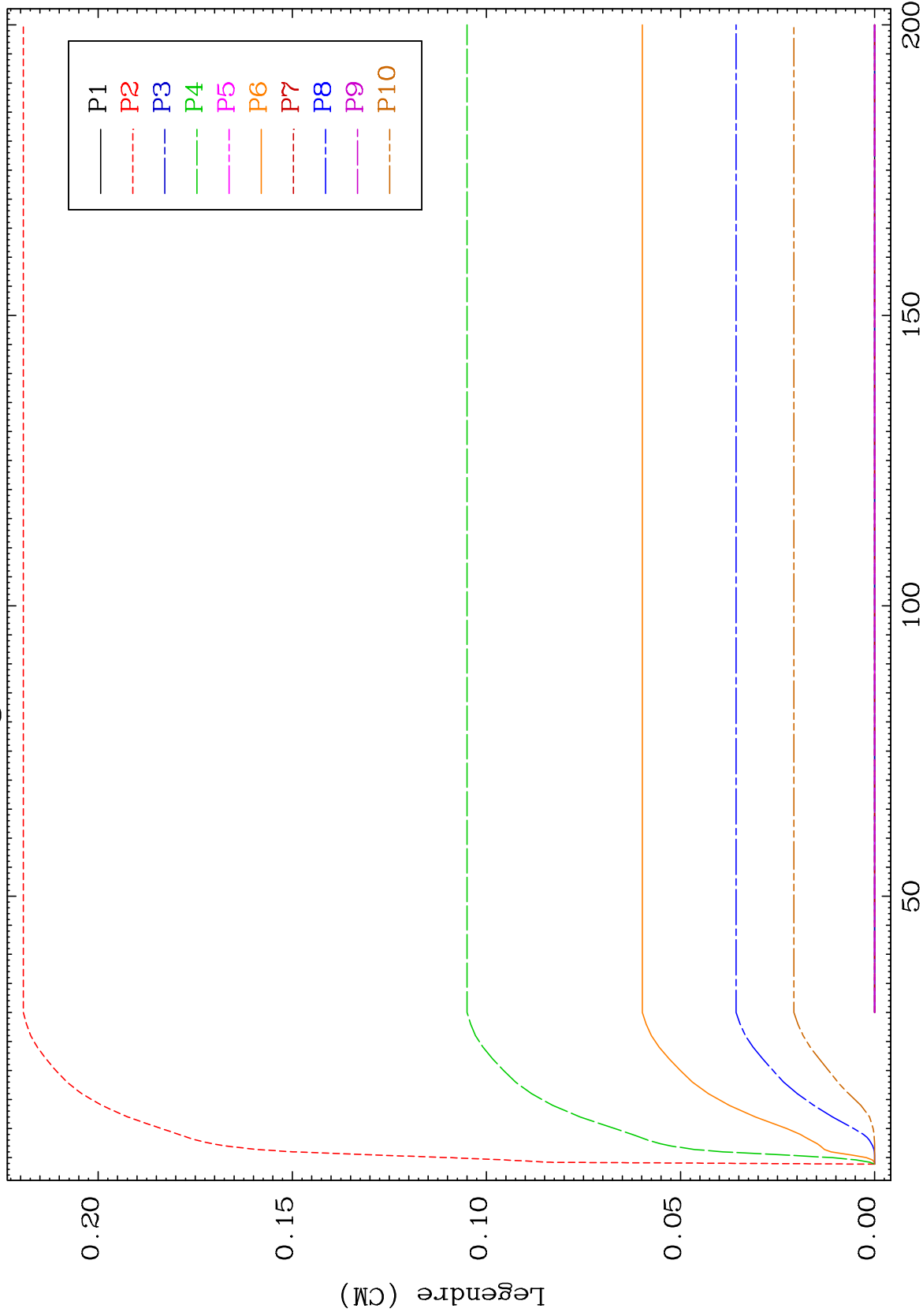
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



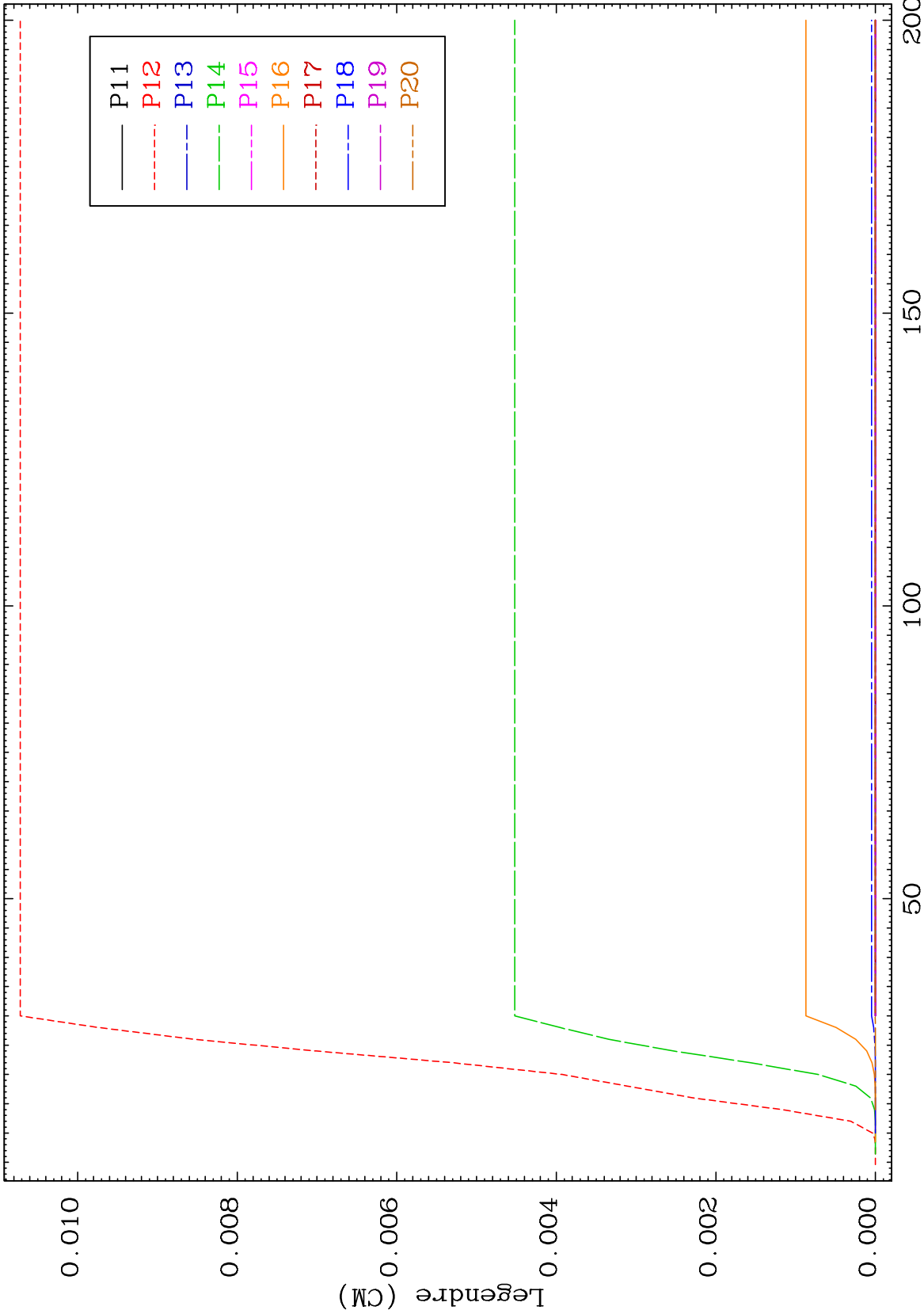
87

34-Se-82

MAT 3449

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

34-Se-82



88

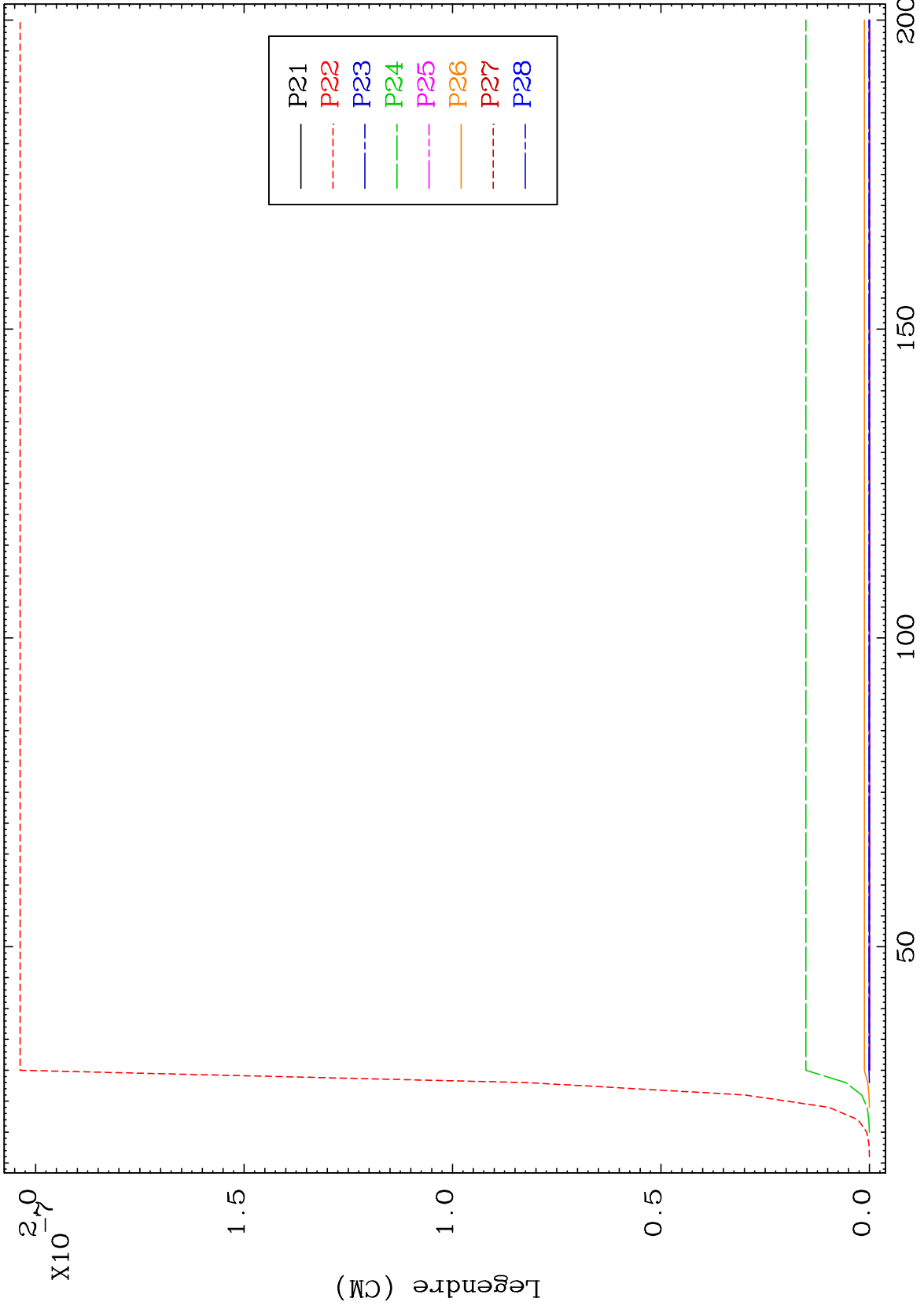
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



89

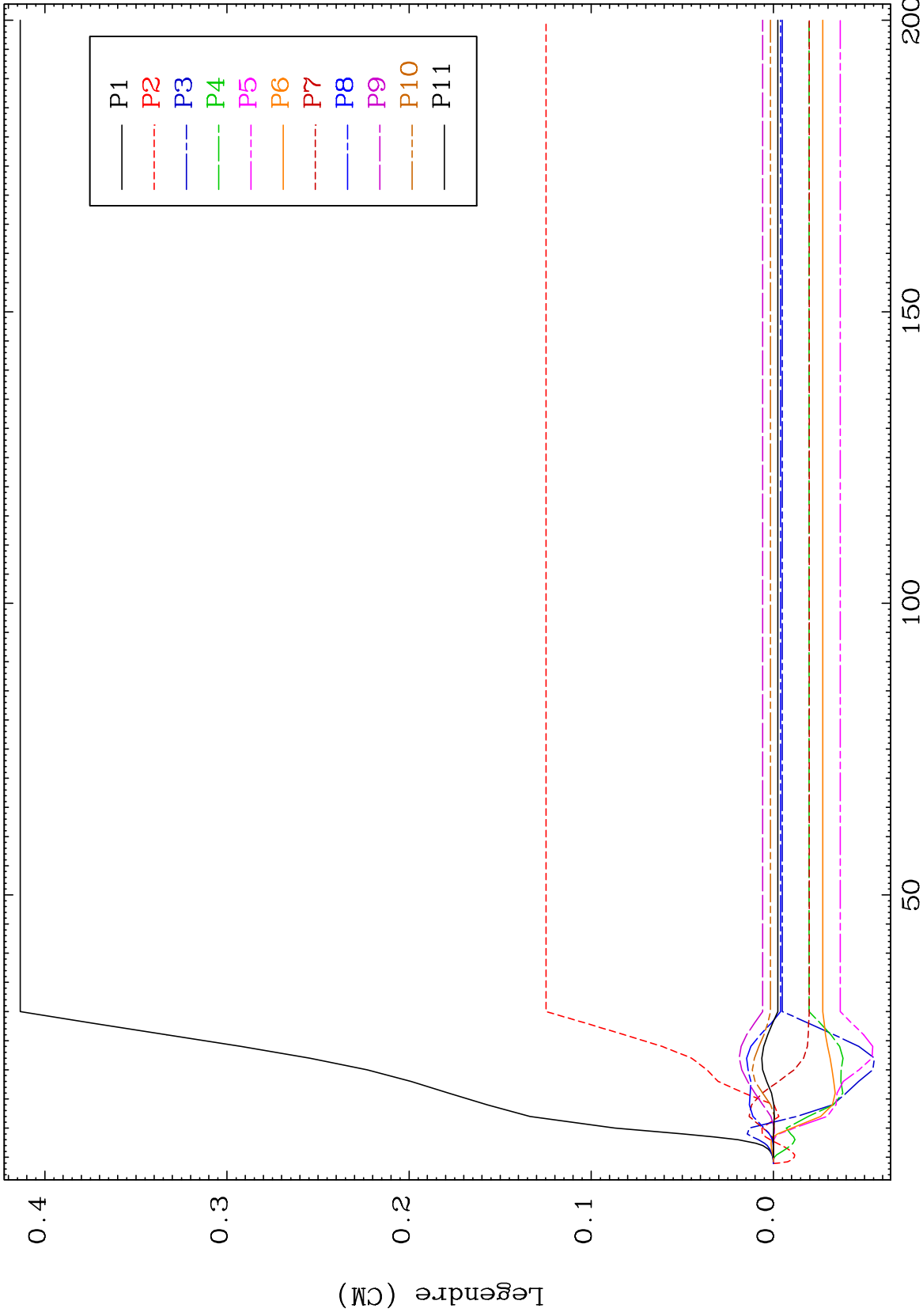
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



90

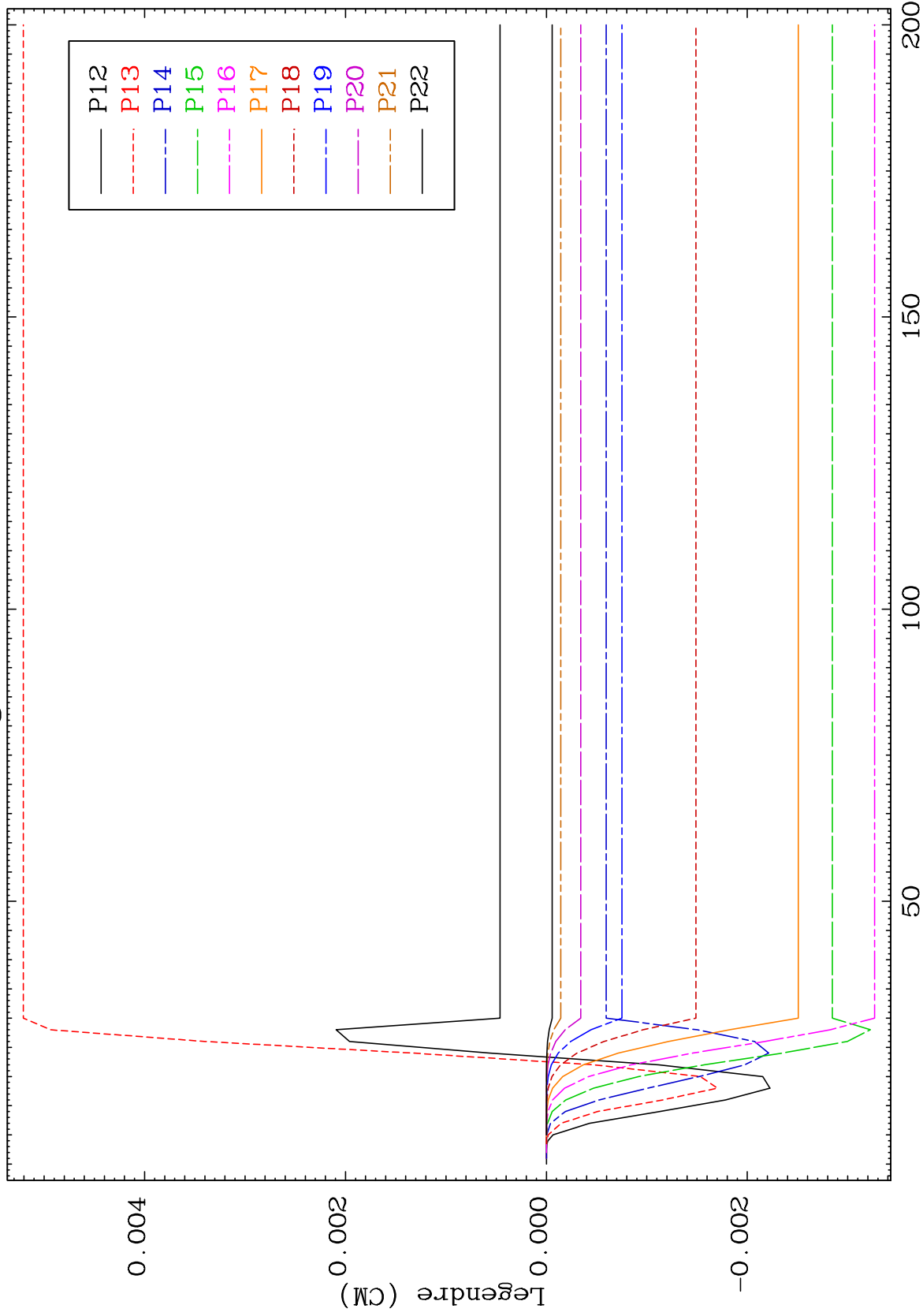
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



91

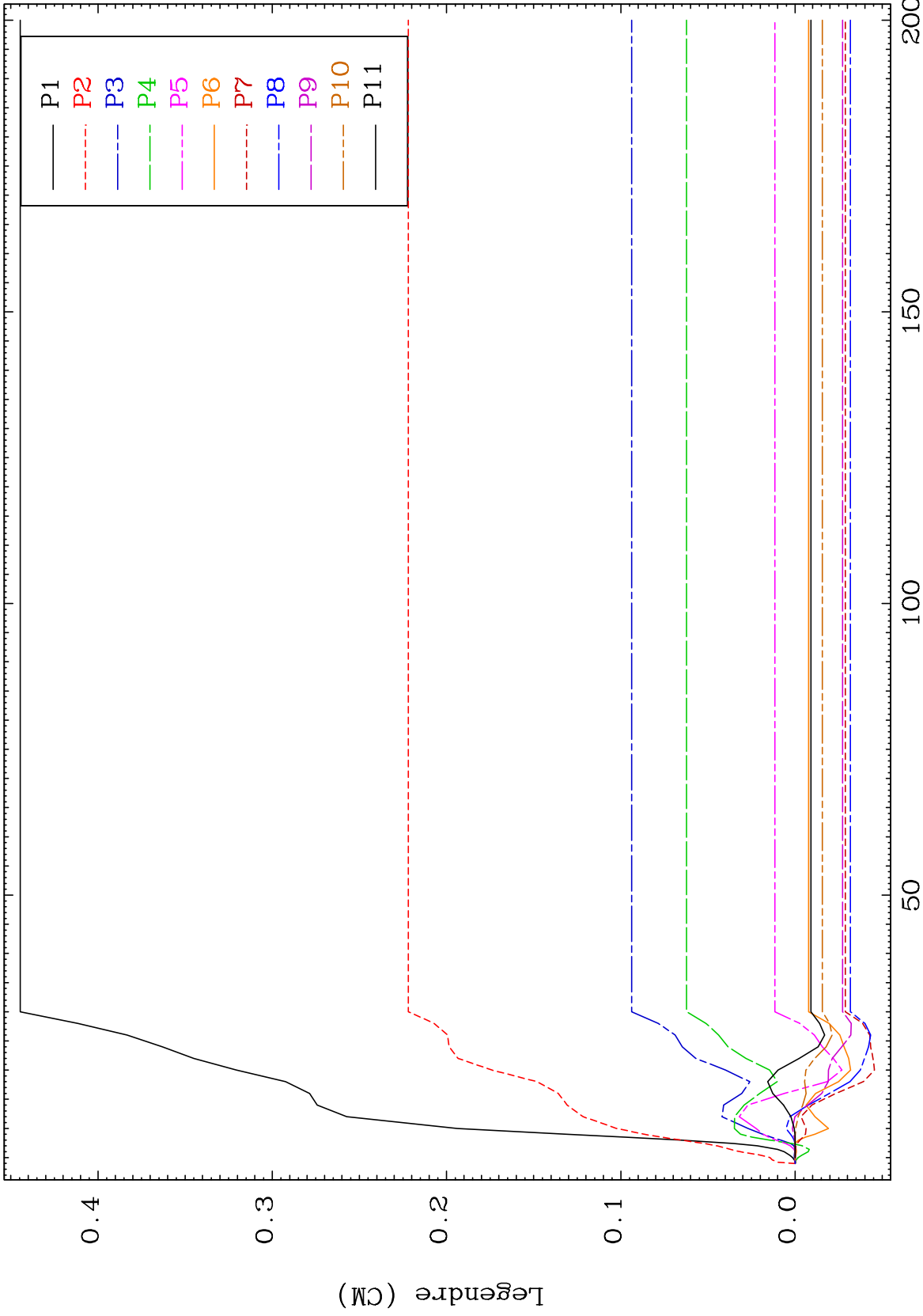
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



93

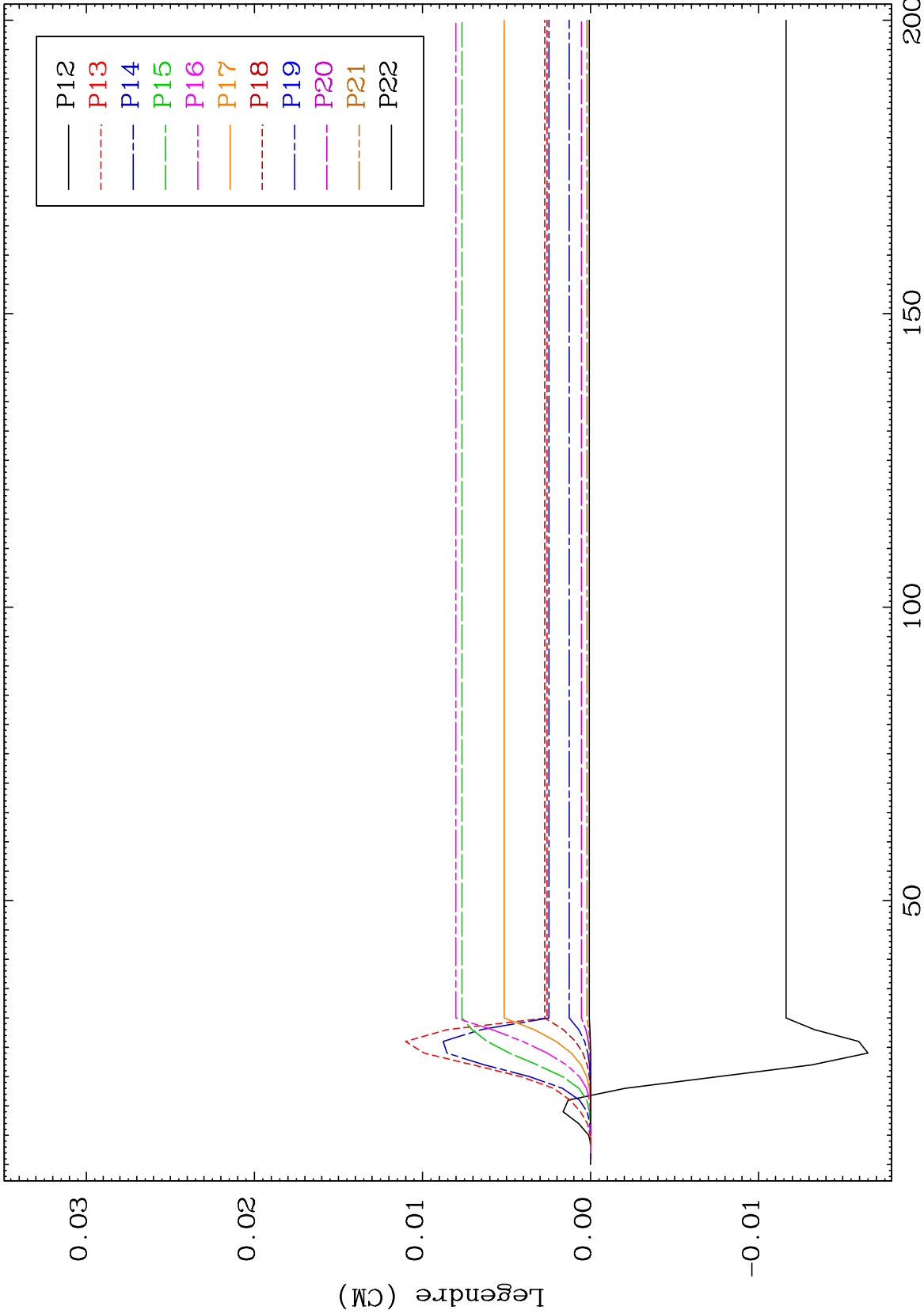
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



94

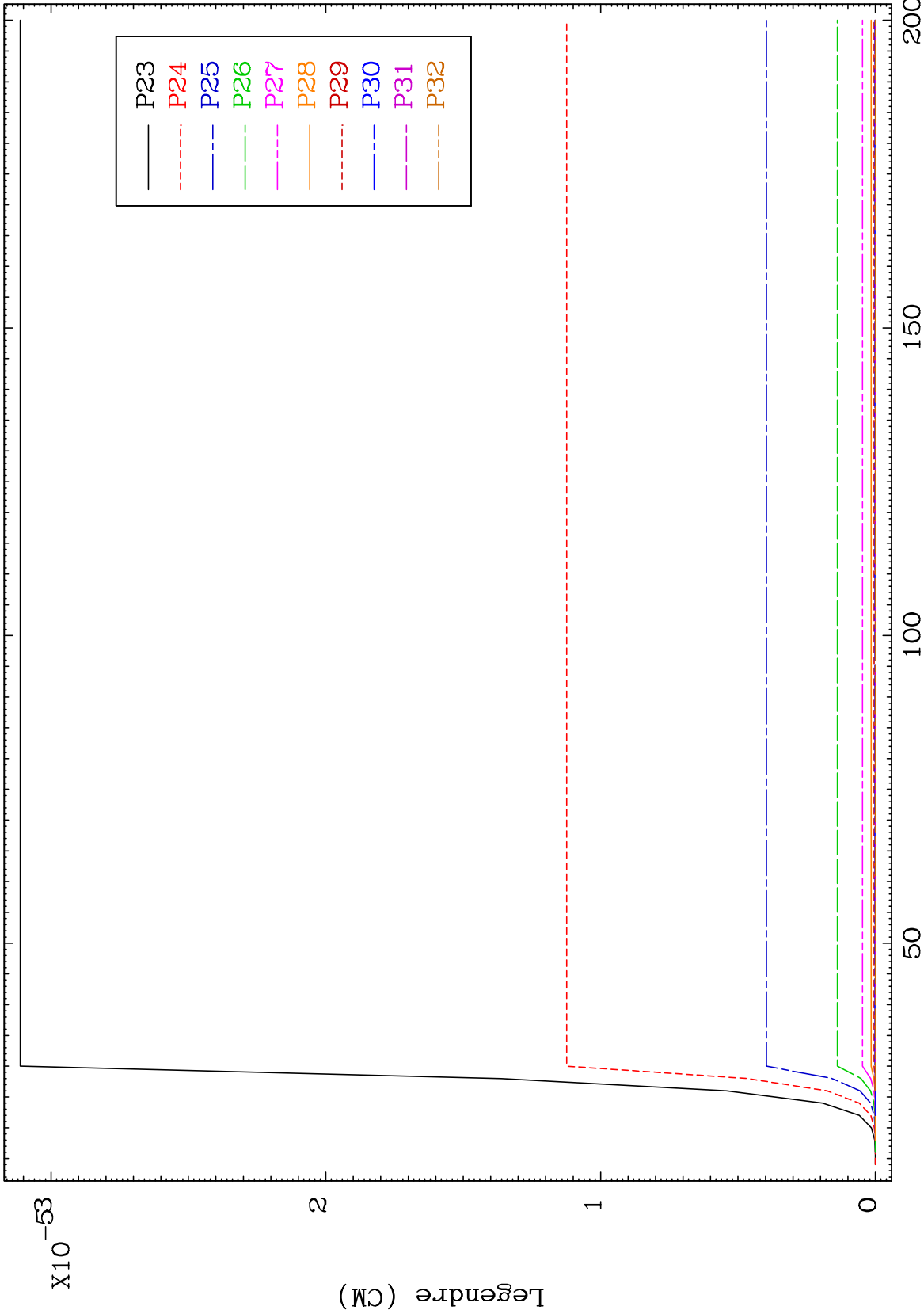
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



95

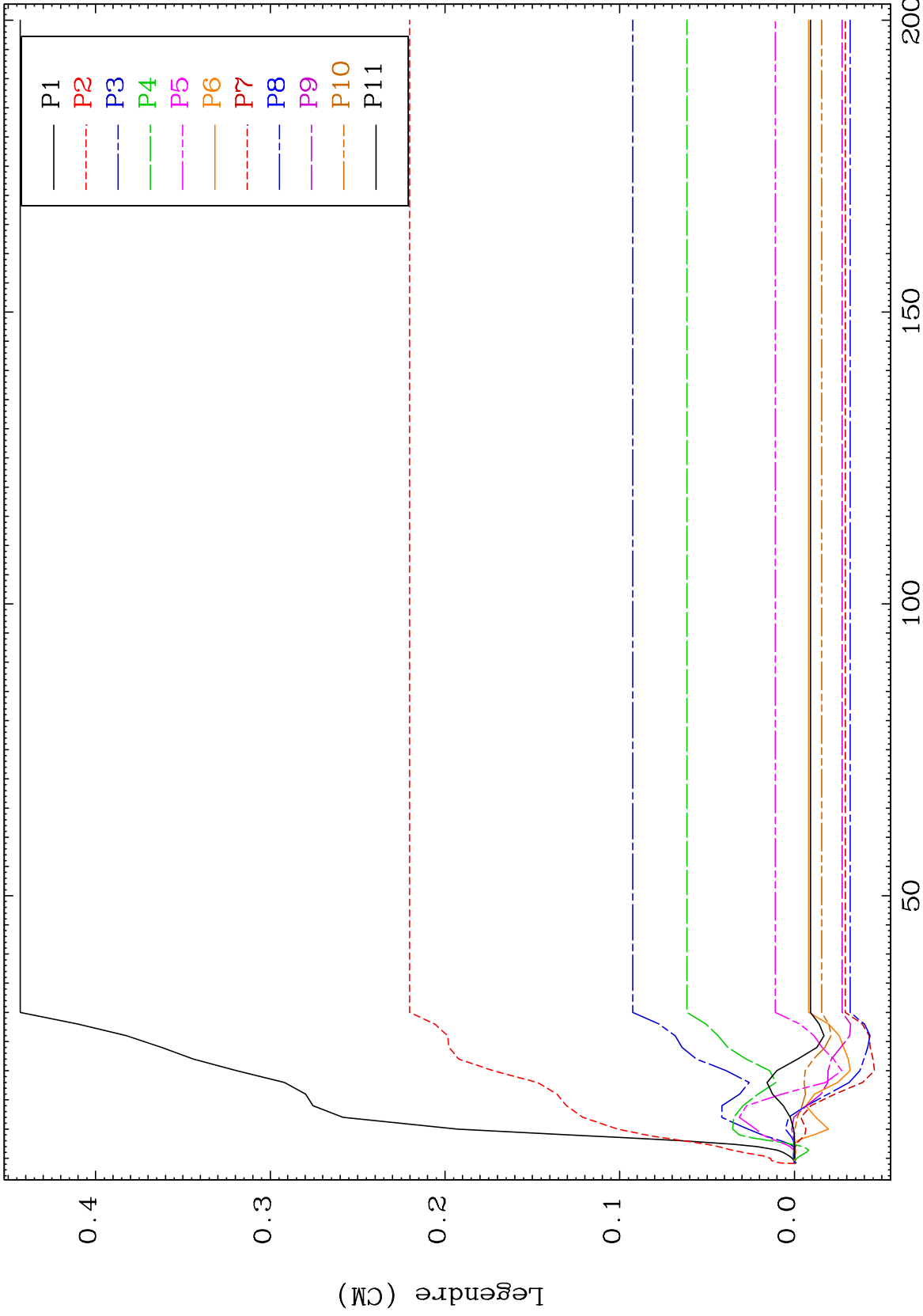
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



96

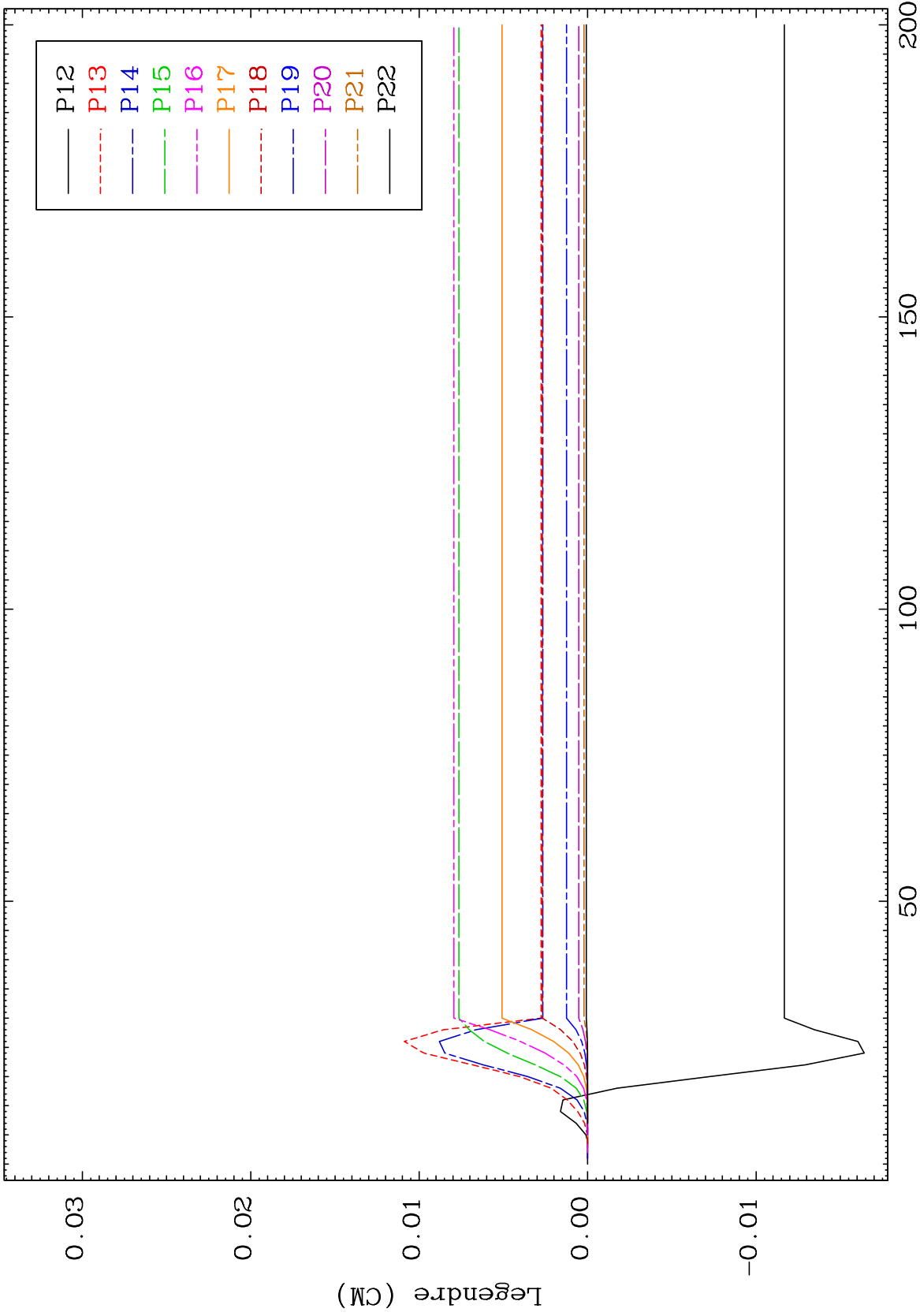
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



97

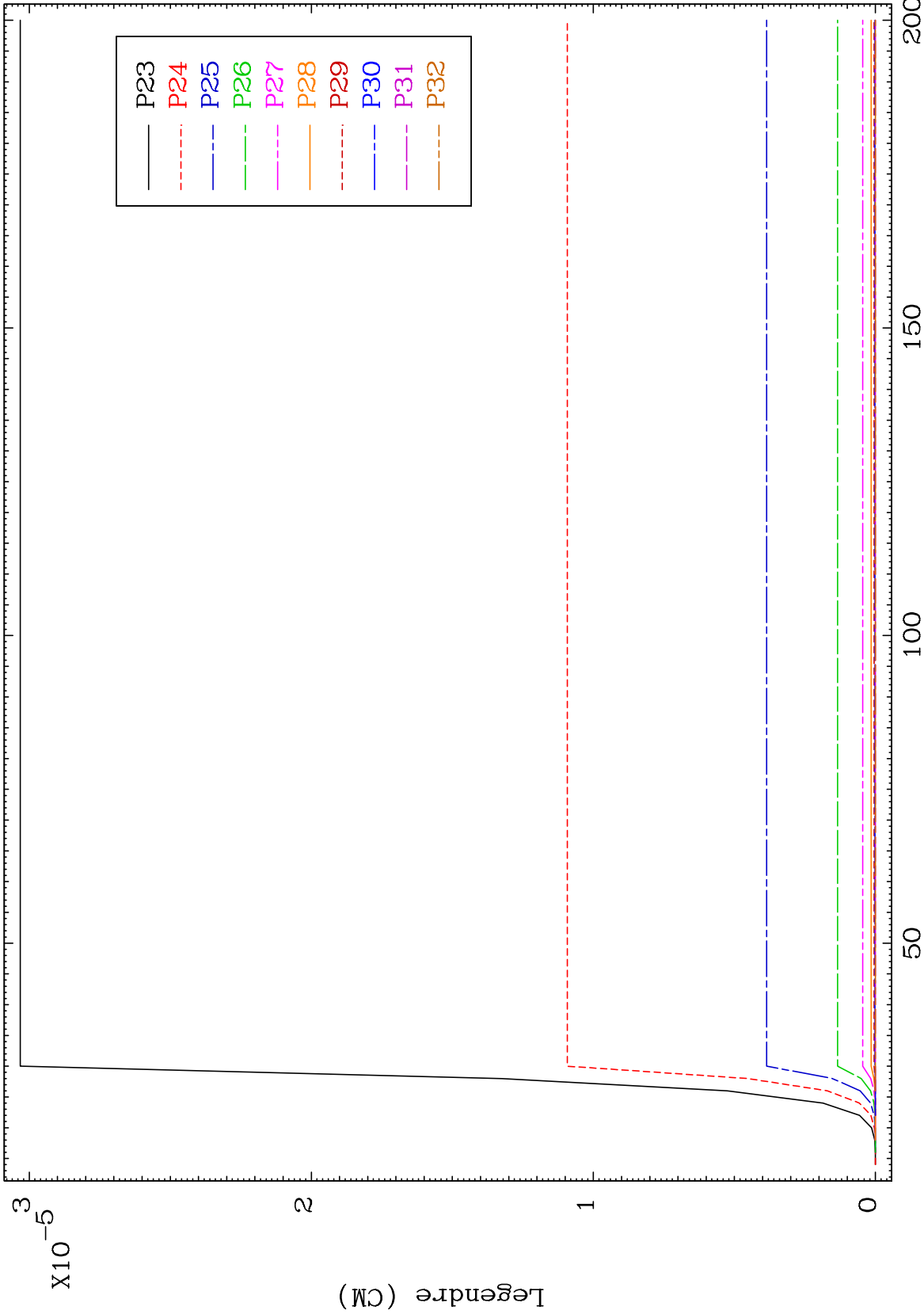
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



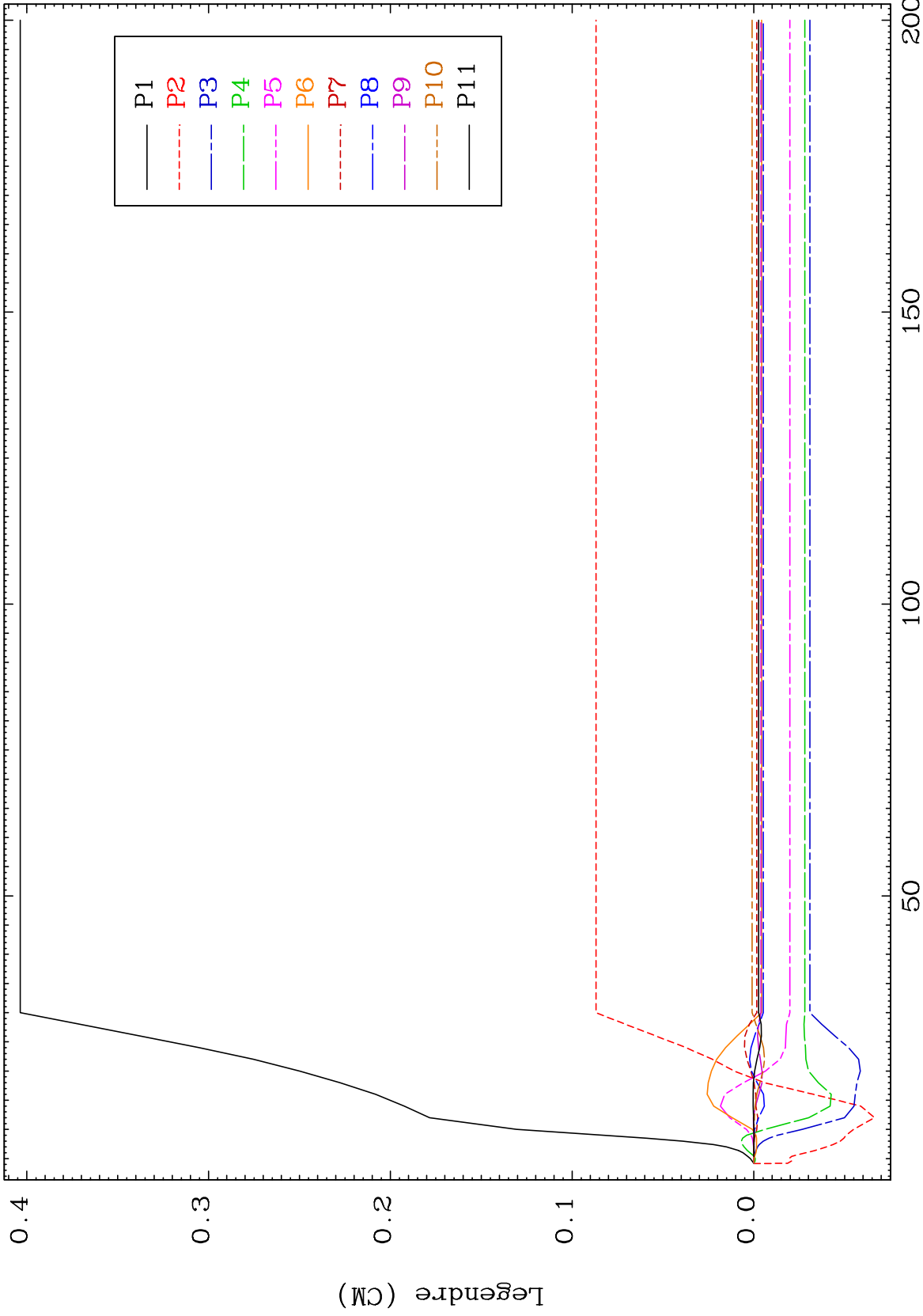
98

34-Se-82

MAT 3449

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

34-Se-82



99

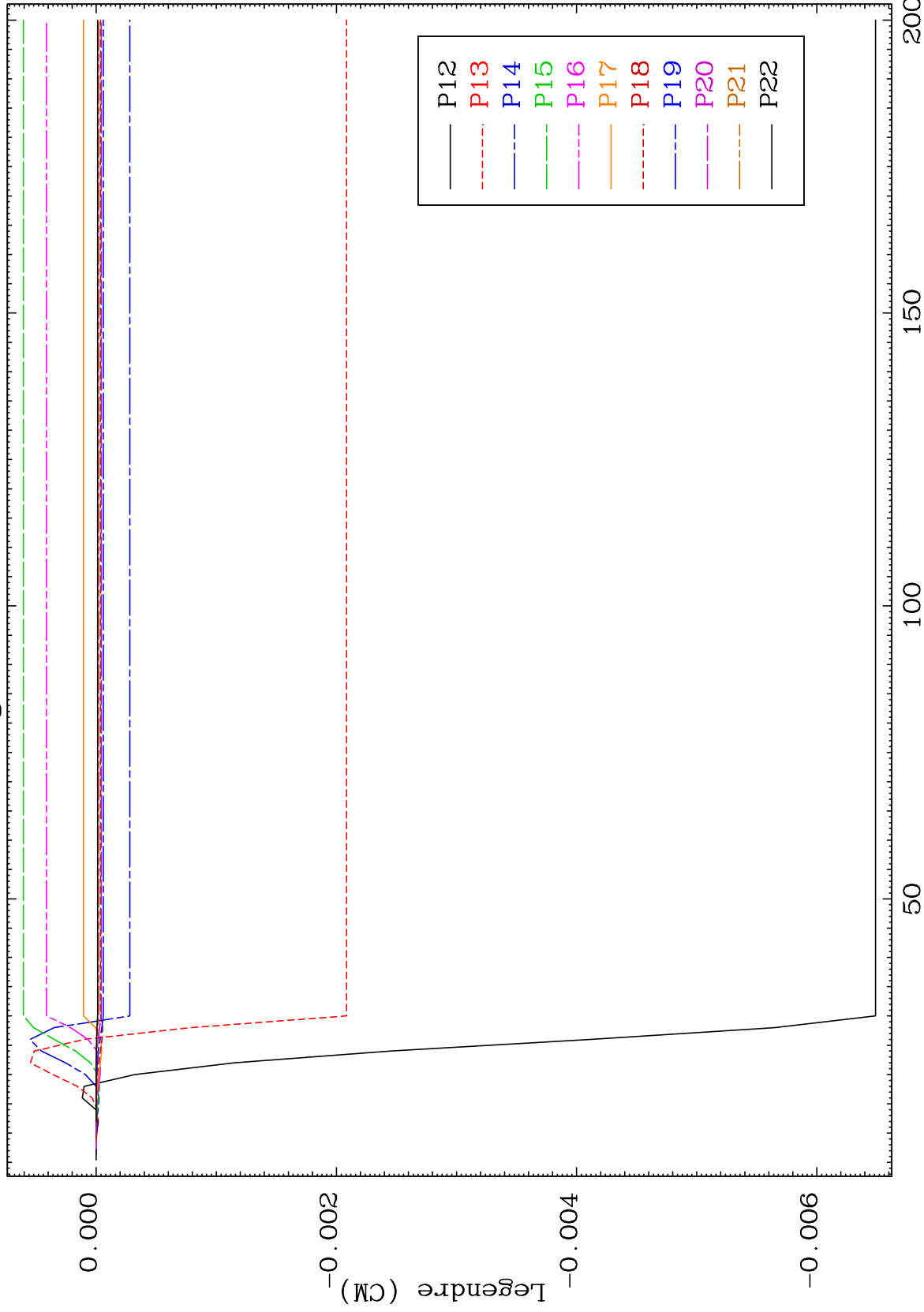
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



100

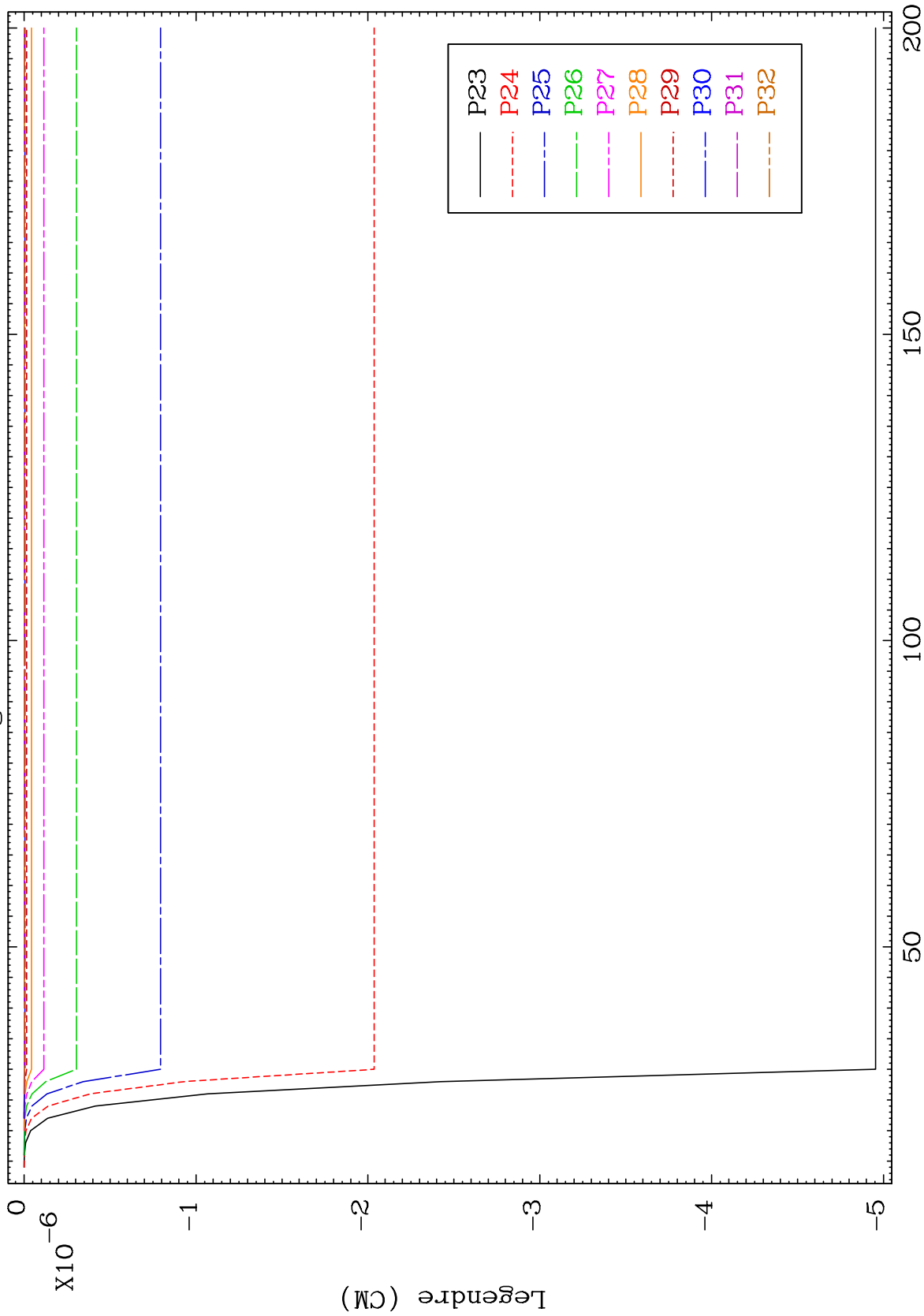
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



101

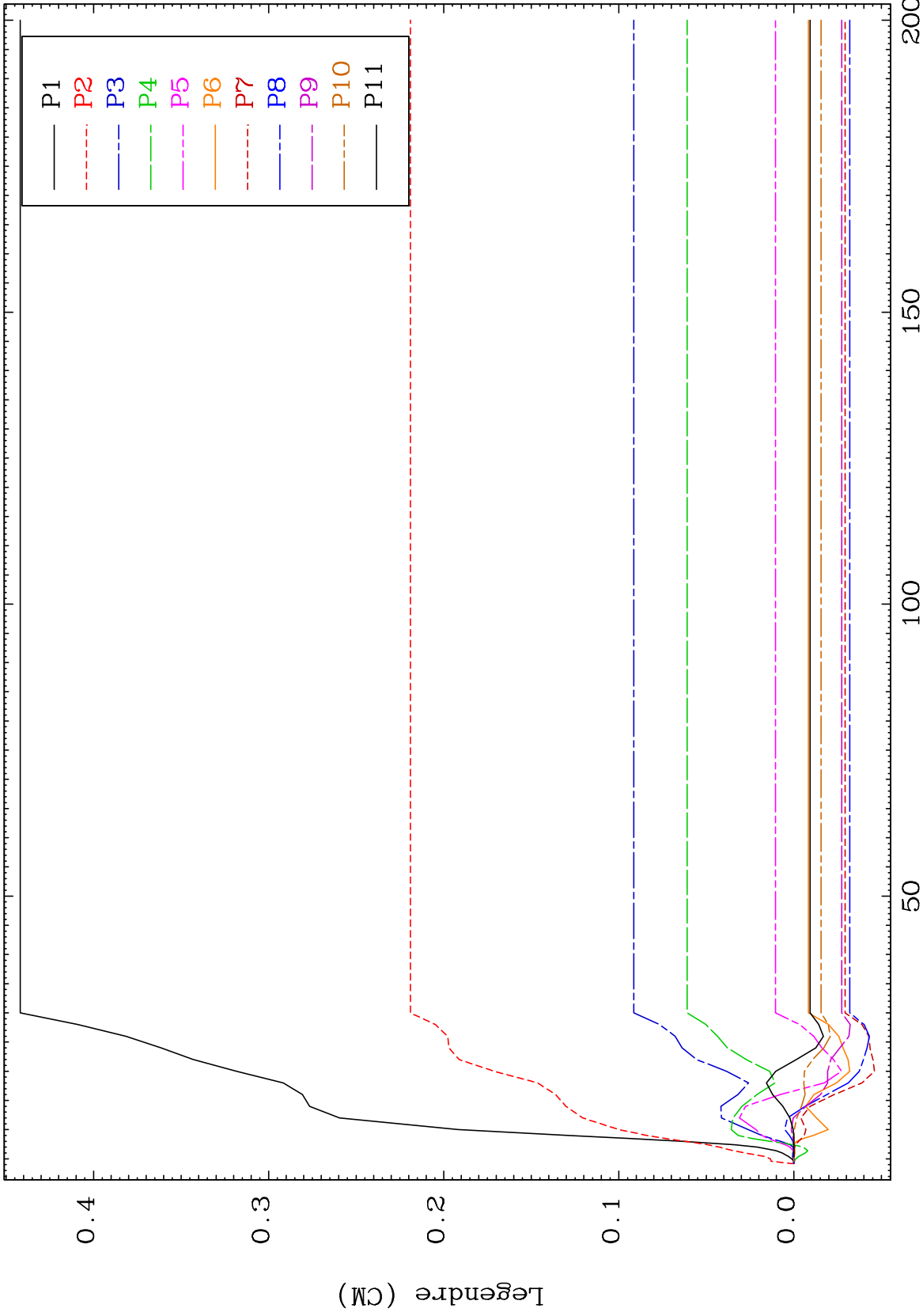
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



102

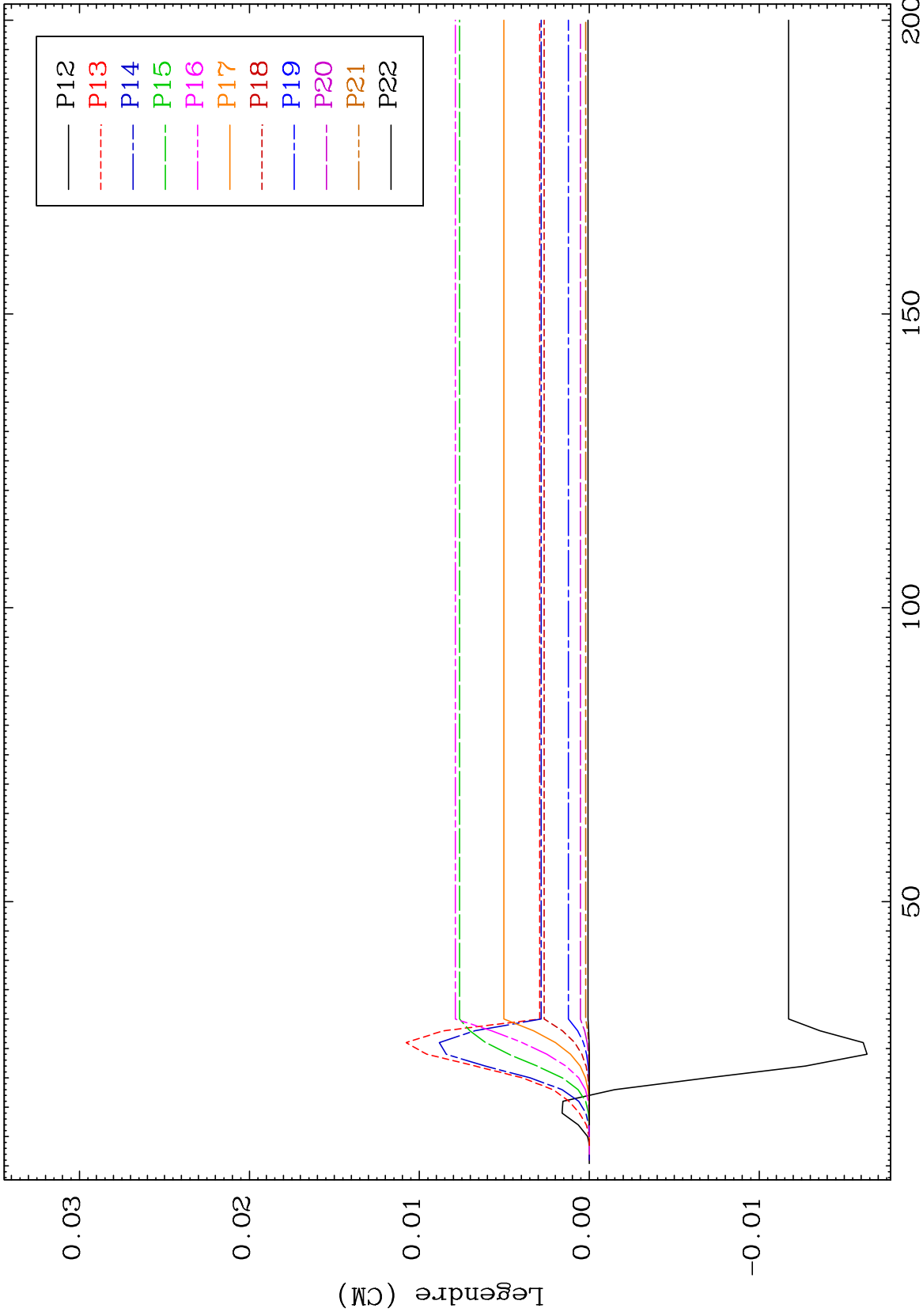
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



103

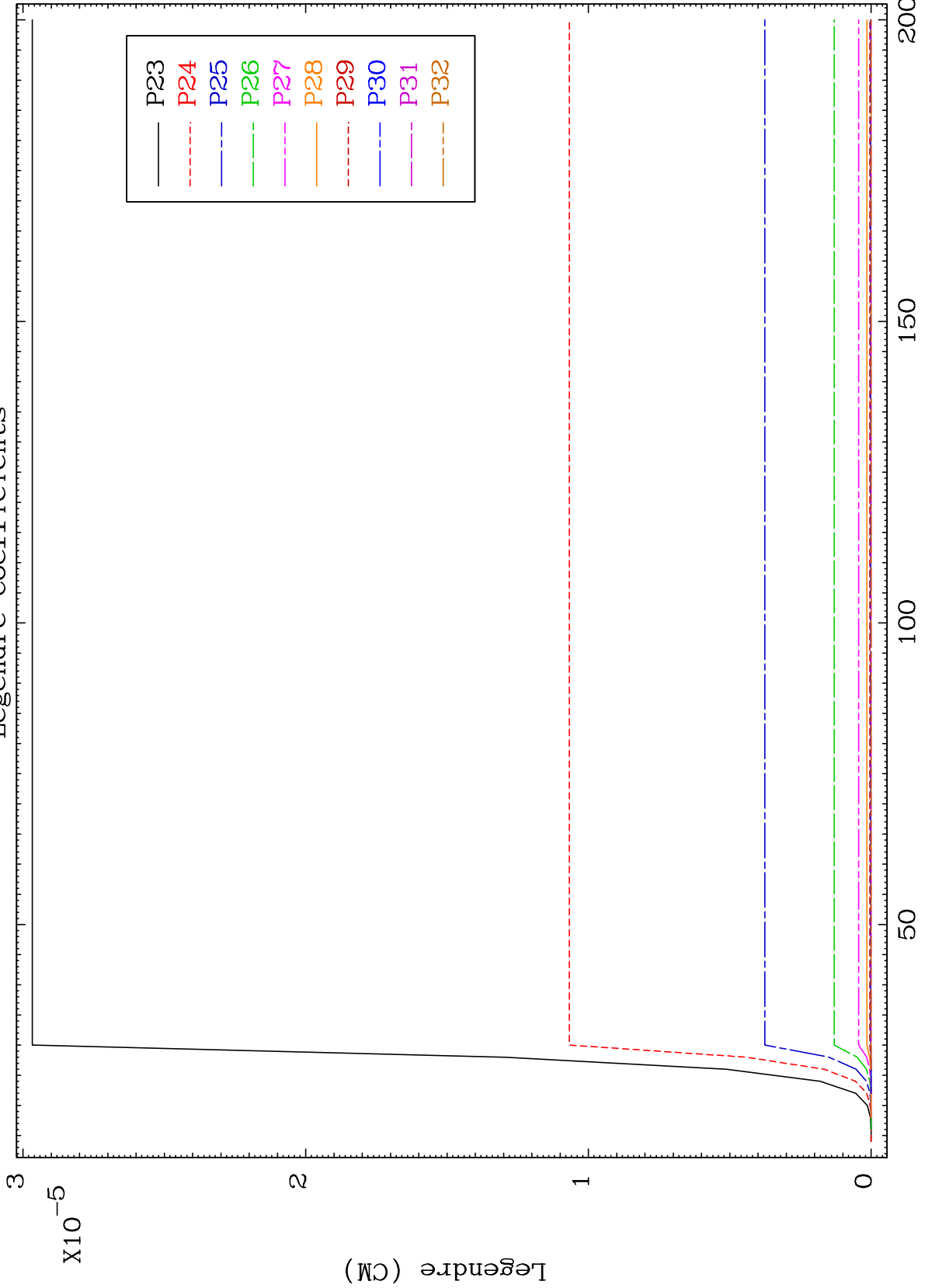
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



104

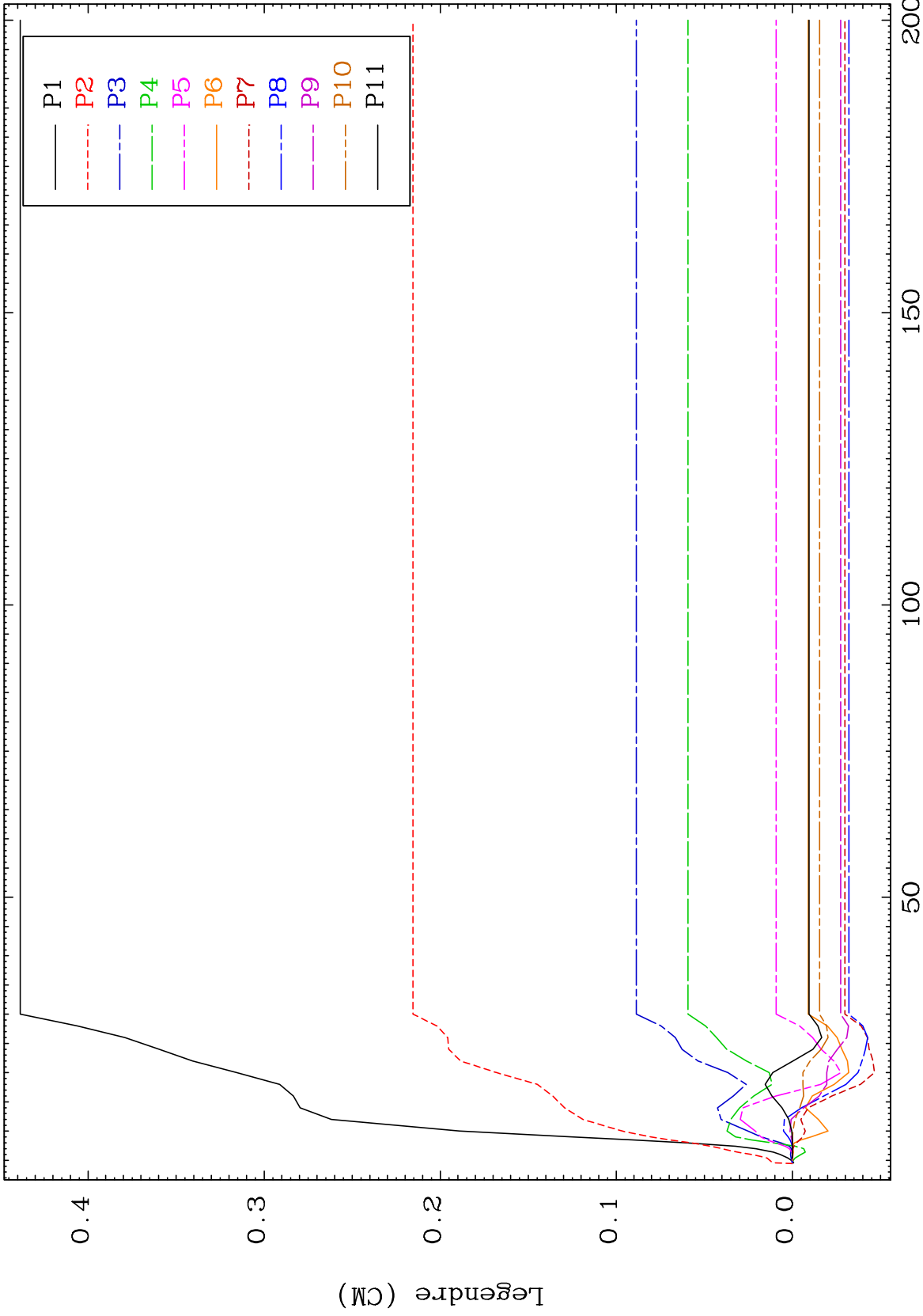
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



105

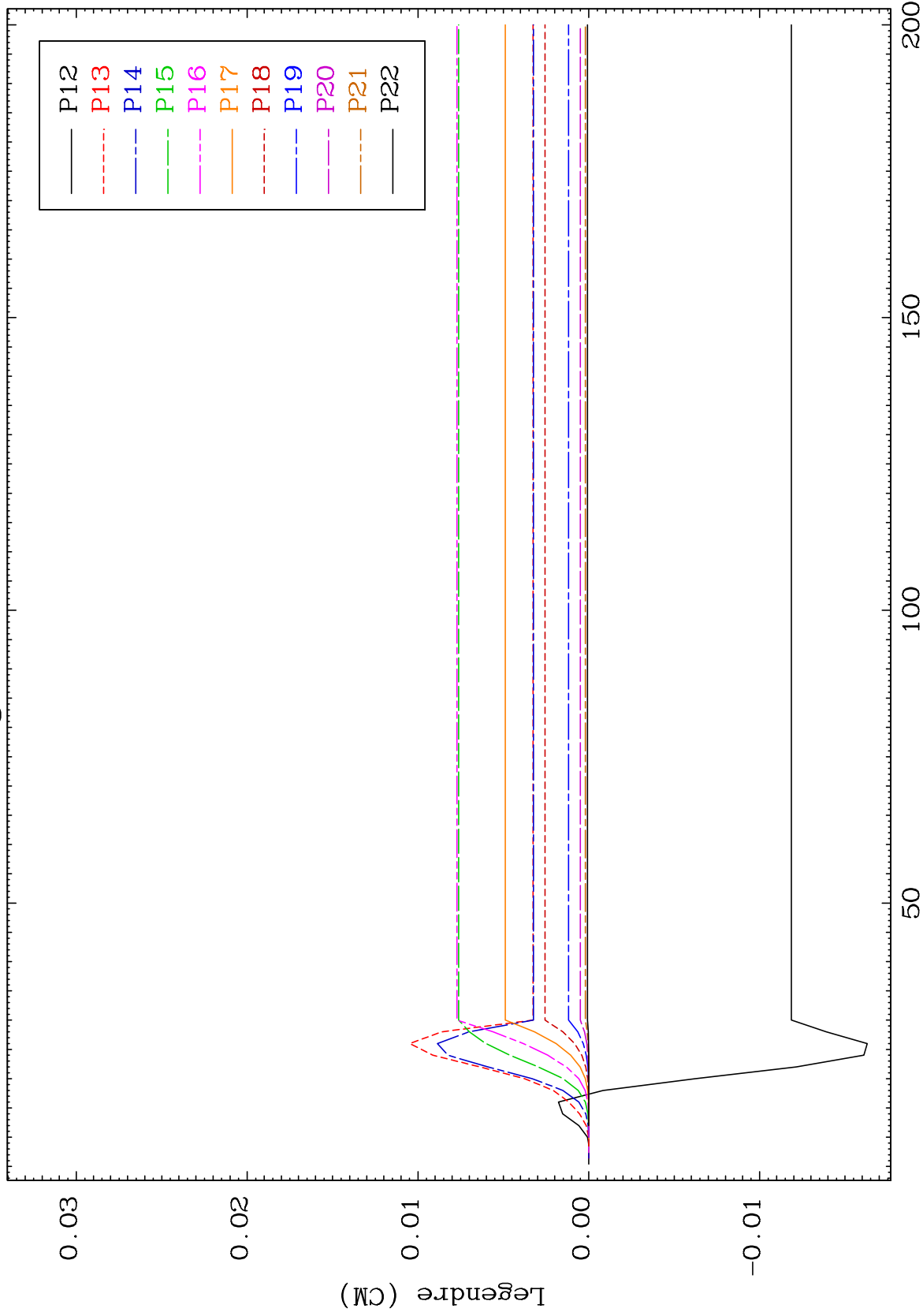
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



106

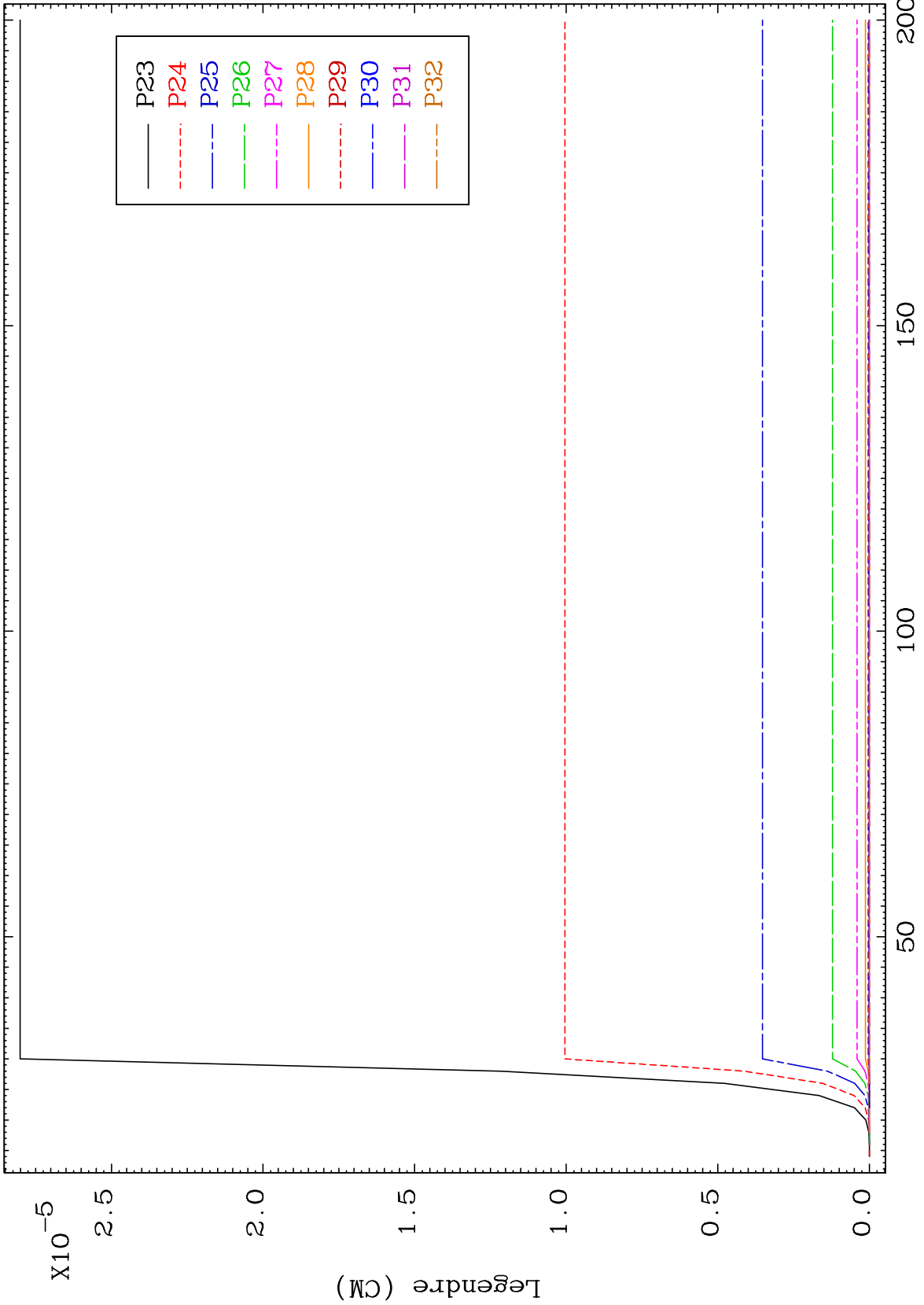
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



107

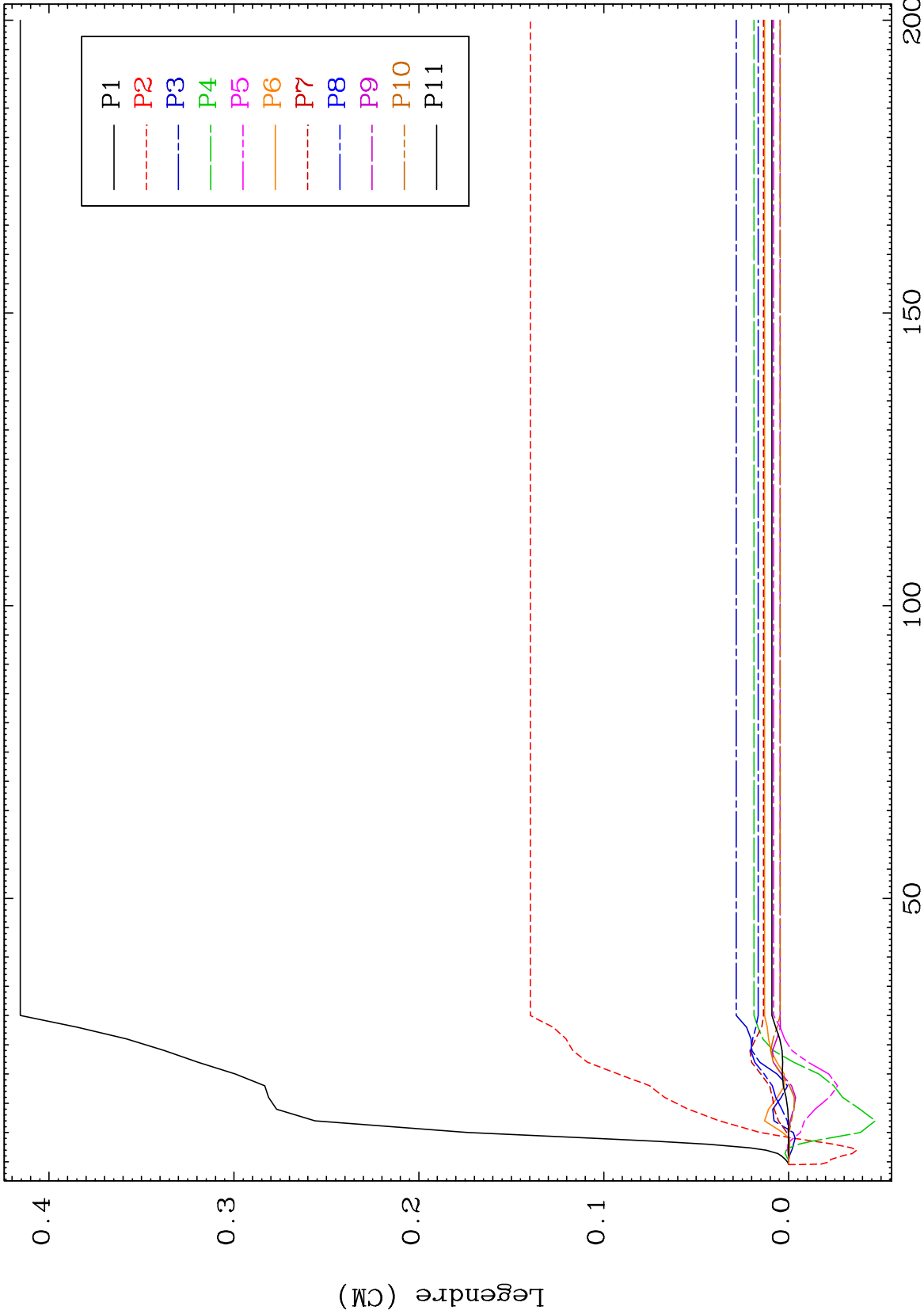
Incident Energy (MeV)

34-Se-82

MAT 3449

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

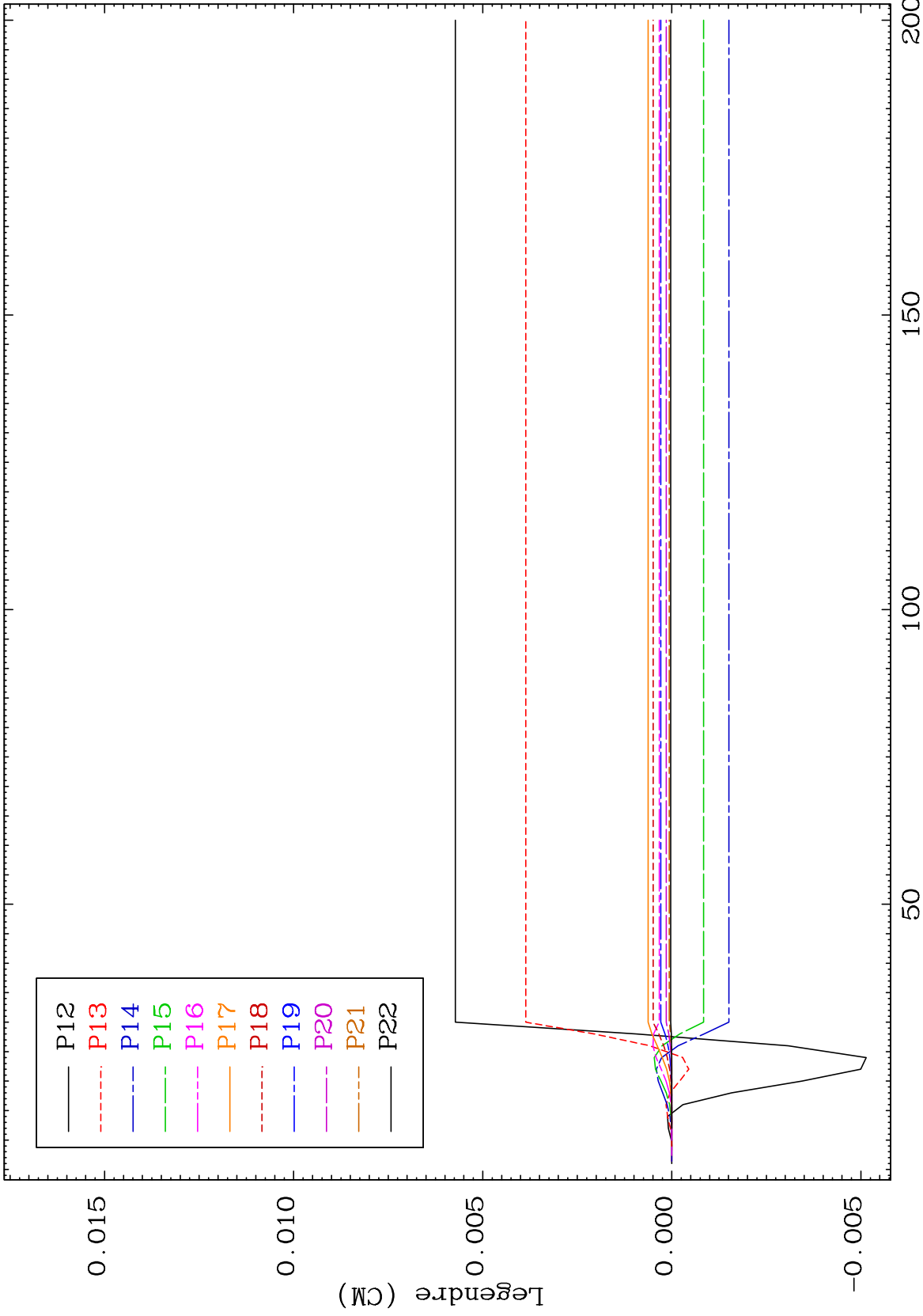
34-Se-82



108

Incident Energy (MeV)

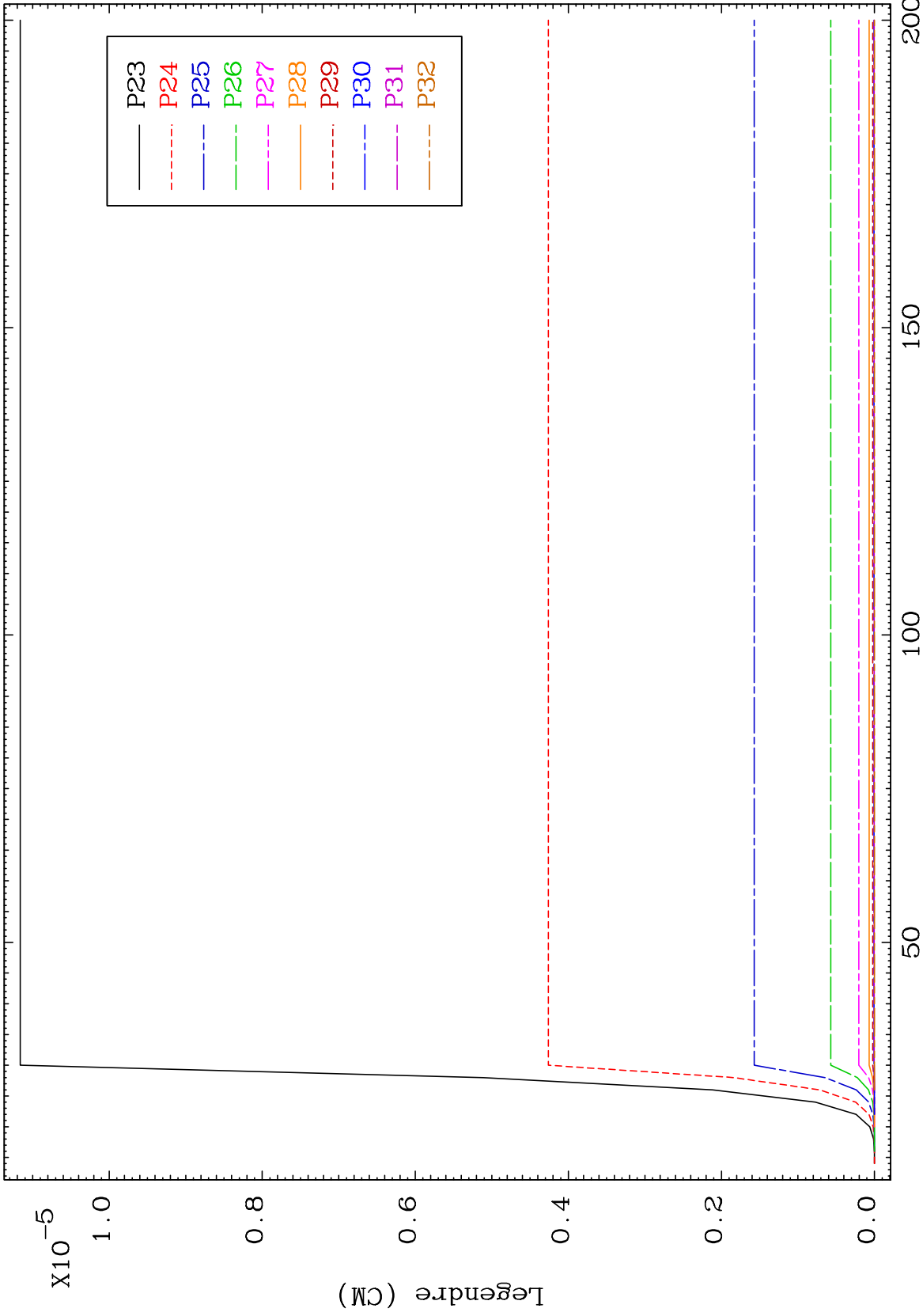
34-Se-82



MAT 3449

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

34-Se-82



110

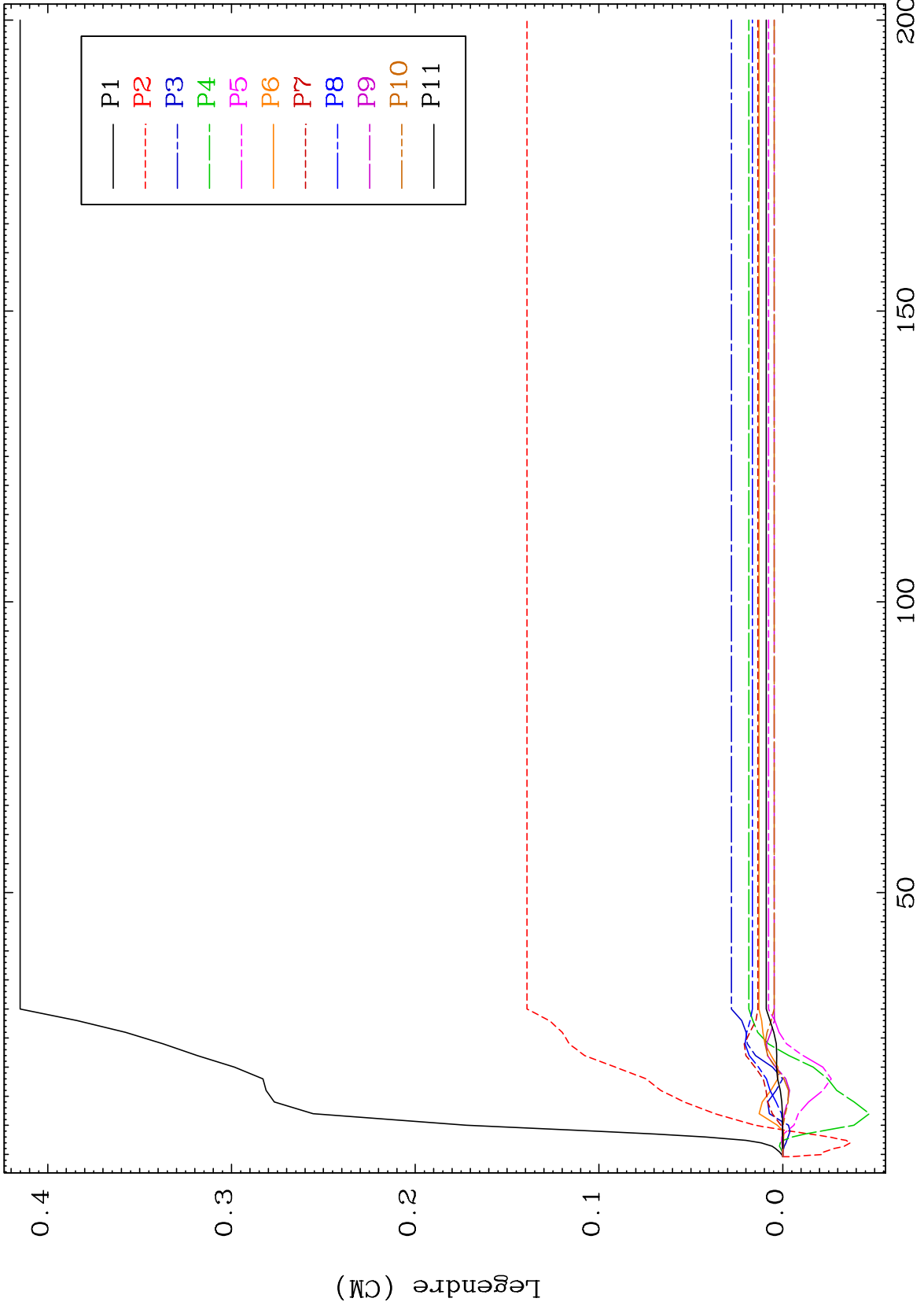
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



111

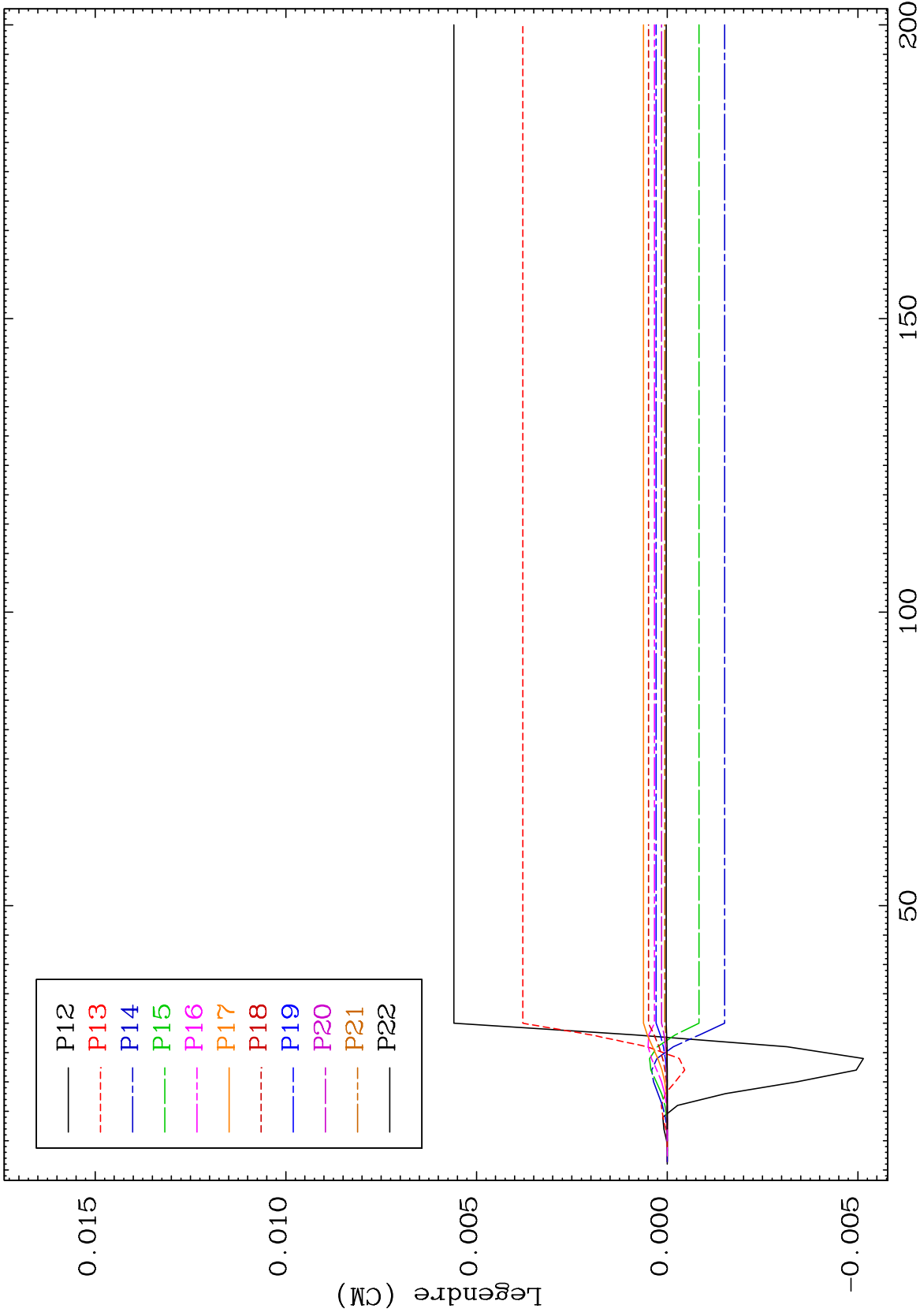
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



112

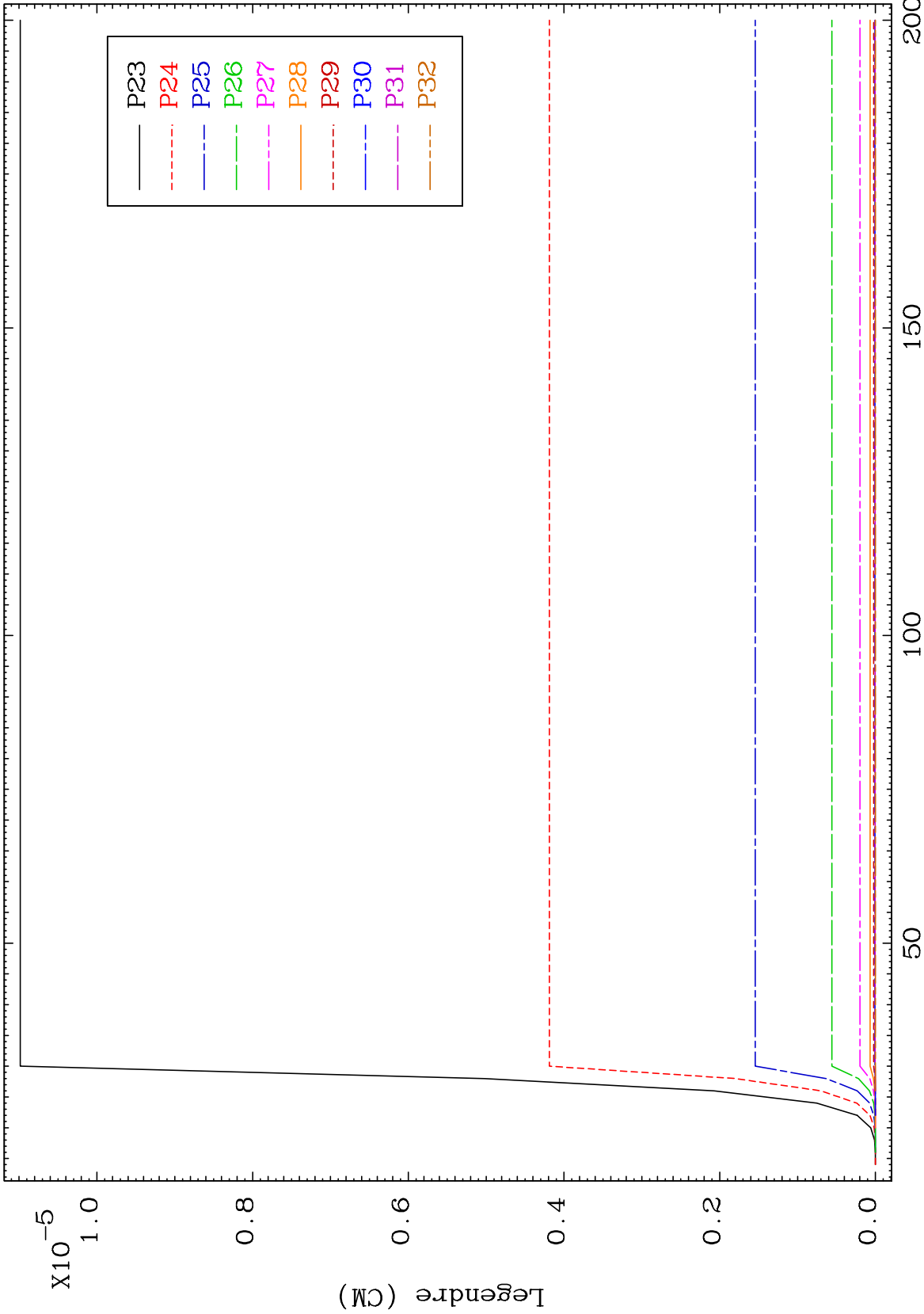
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



113

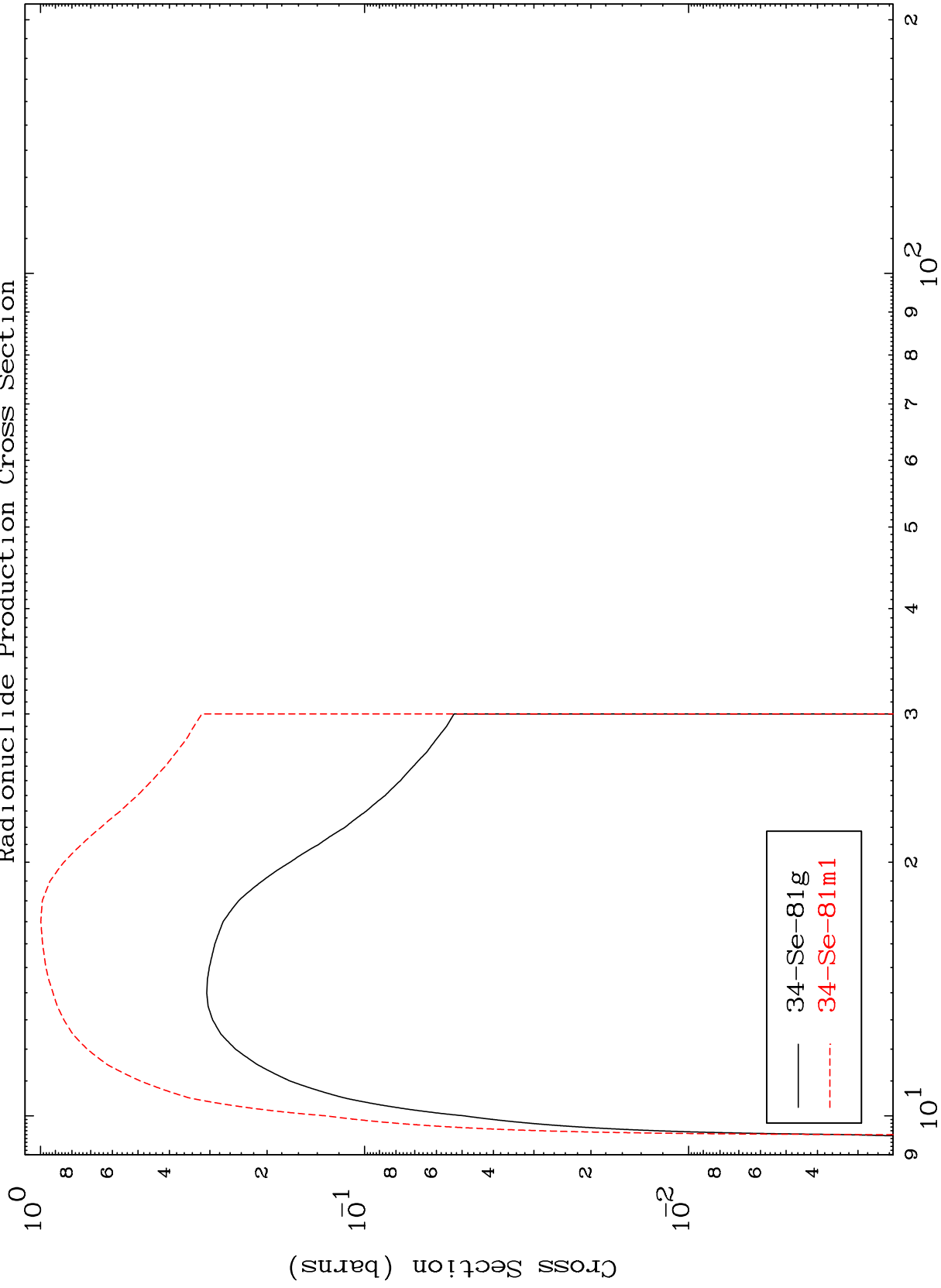
Incident Energy (MeV)

34-Se-82

MAT 3449

34-Se-82

Radionuclide Production Cross Section
(n,2n)



114

Incident Energy (MeV)

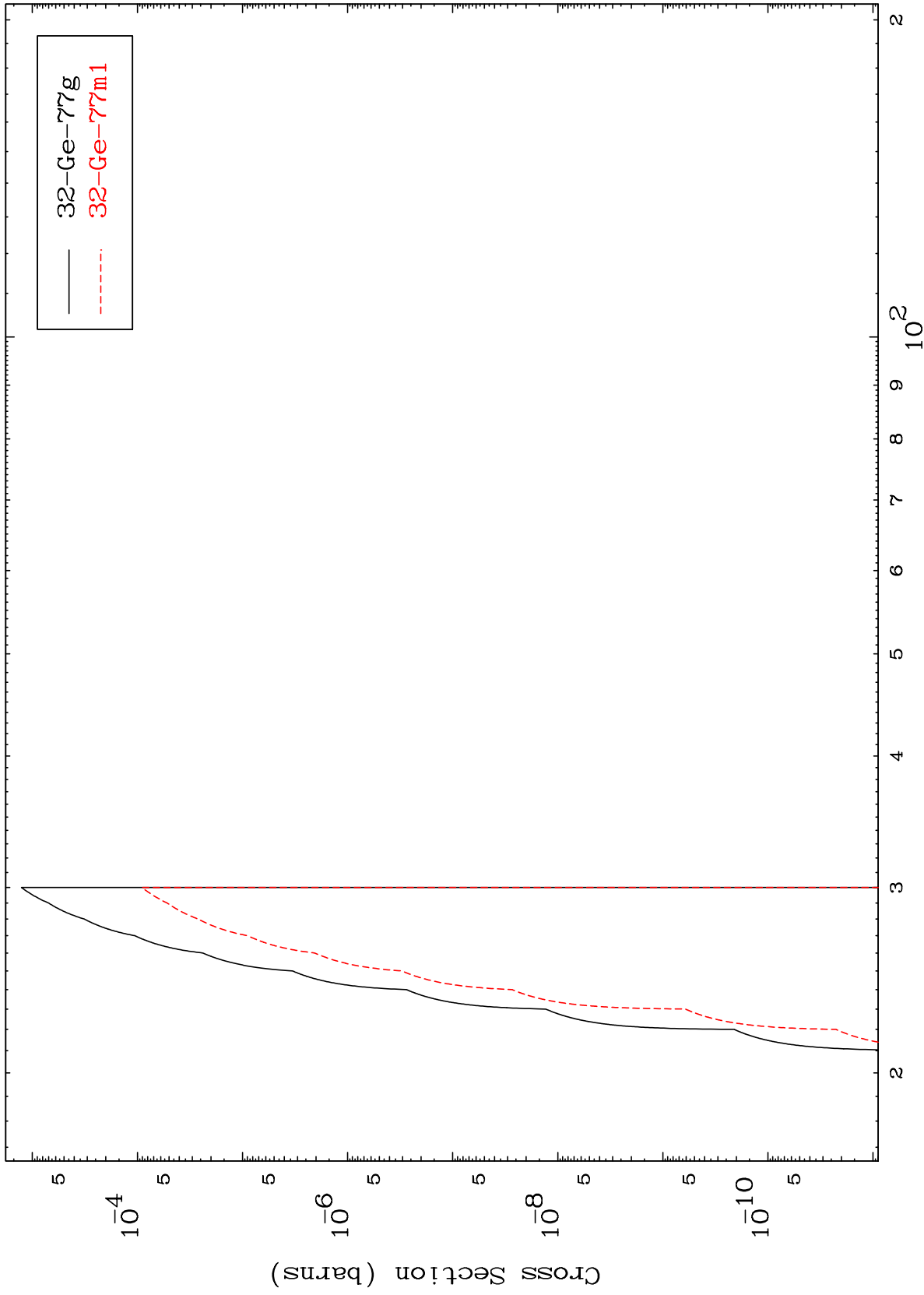
34-Se-82

MAT 3449

(n,2n) α

³⁴Se-82

Radionuclide Production Cross Section



115

Incident Energy (MeV)

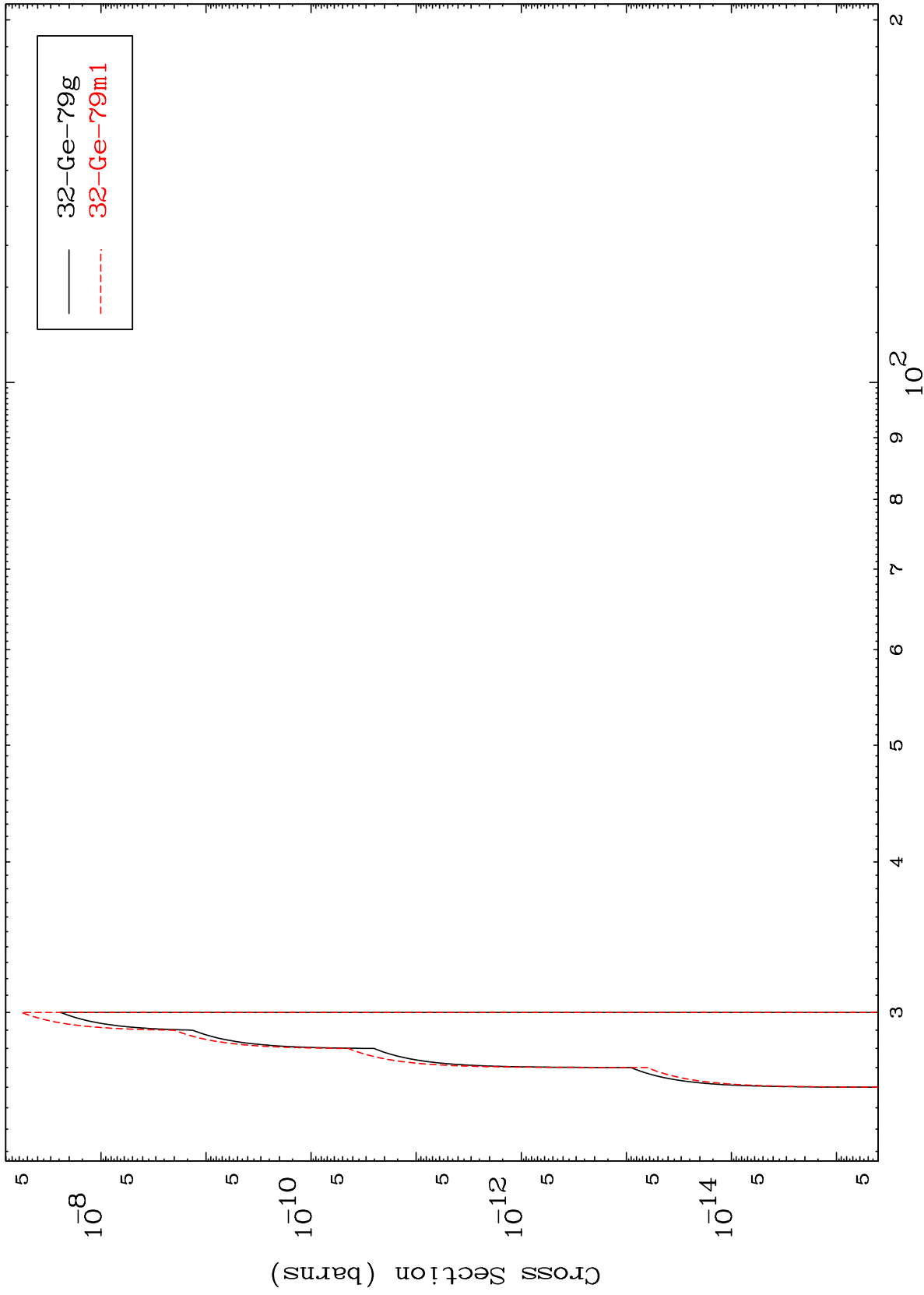
³⁴Se-82

MAT 3449

(n, n') He-3

34-Ge-82

Radionuclide Production Cross Section



116

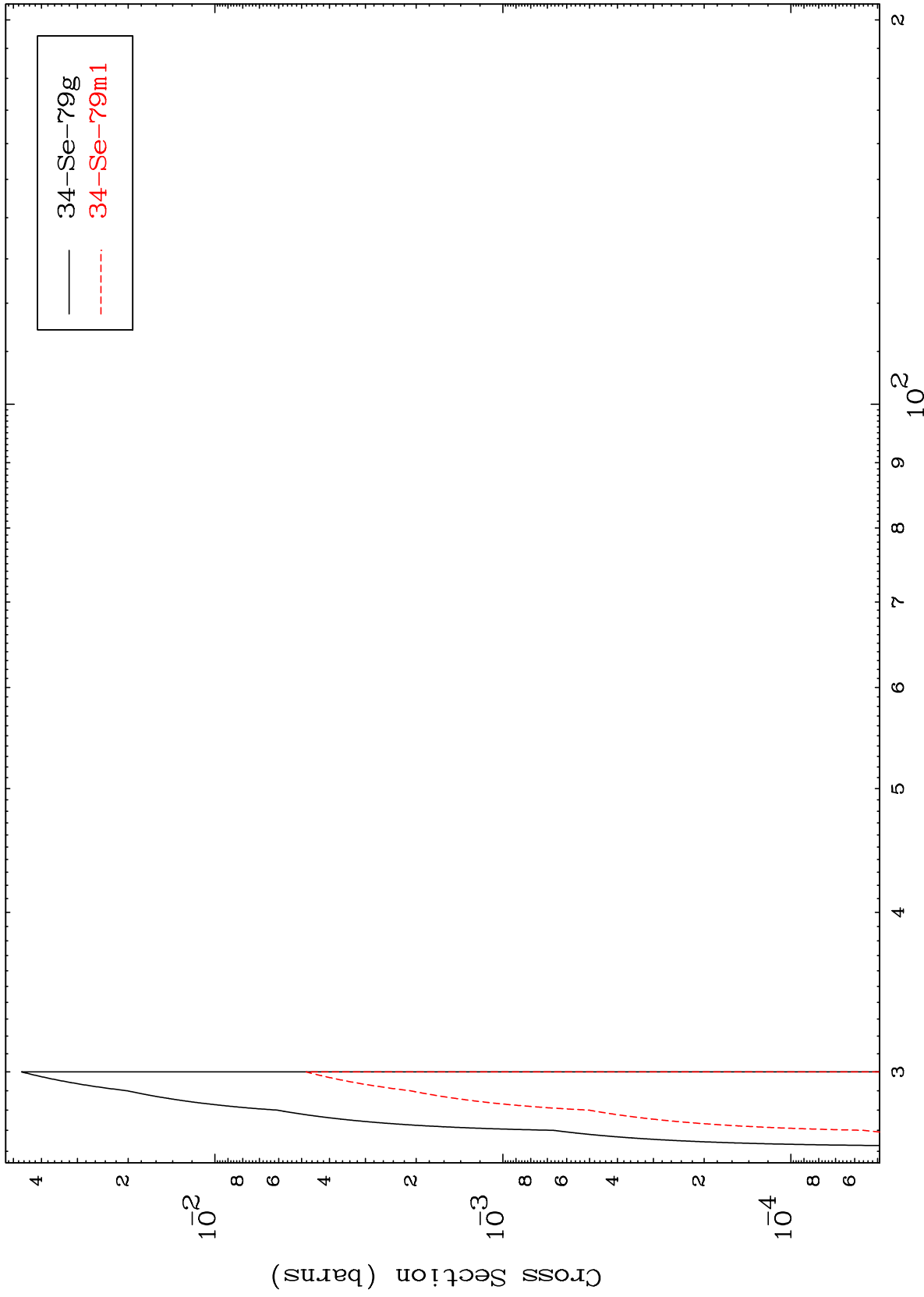
Incident Energy (MeV)

34-Ge-82

MAT 3449

34-Se-82

(n,4n)
Radionuclide Production Cross Section



34-Se-82

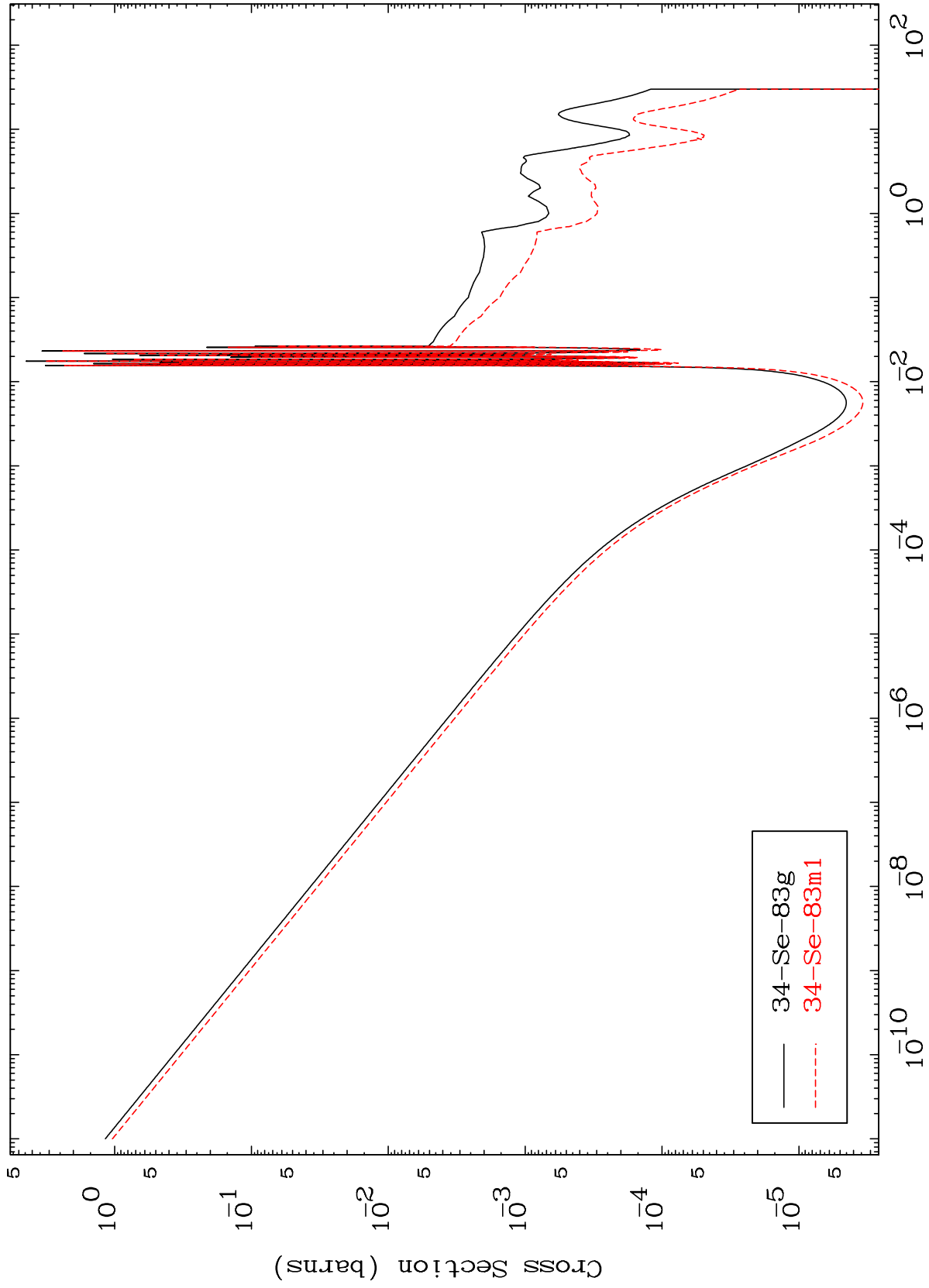
Incident Energy (MeV)

117

MAT 3449

34-Se-82

Radionuclide Production Cross Section
(n, γ)

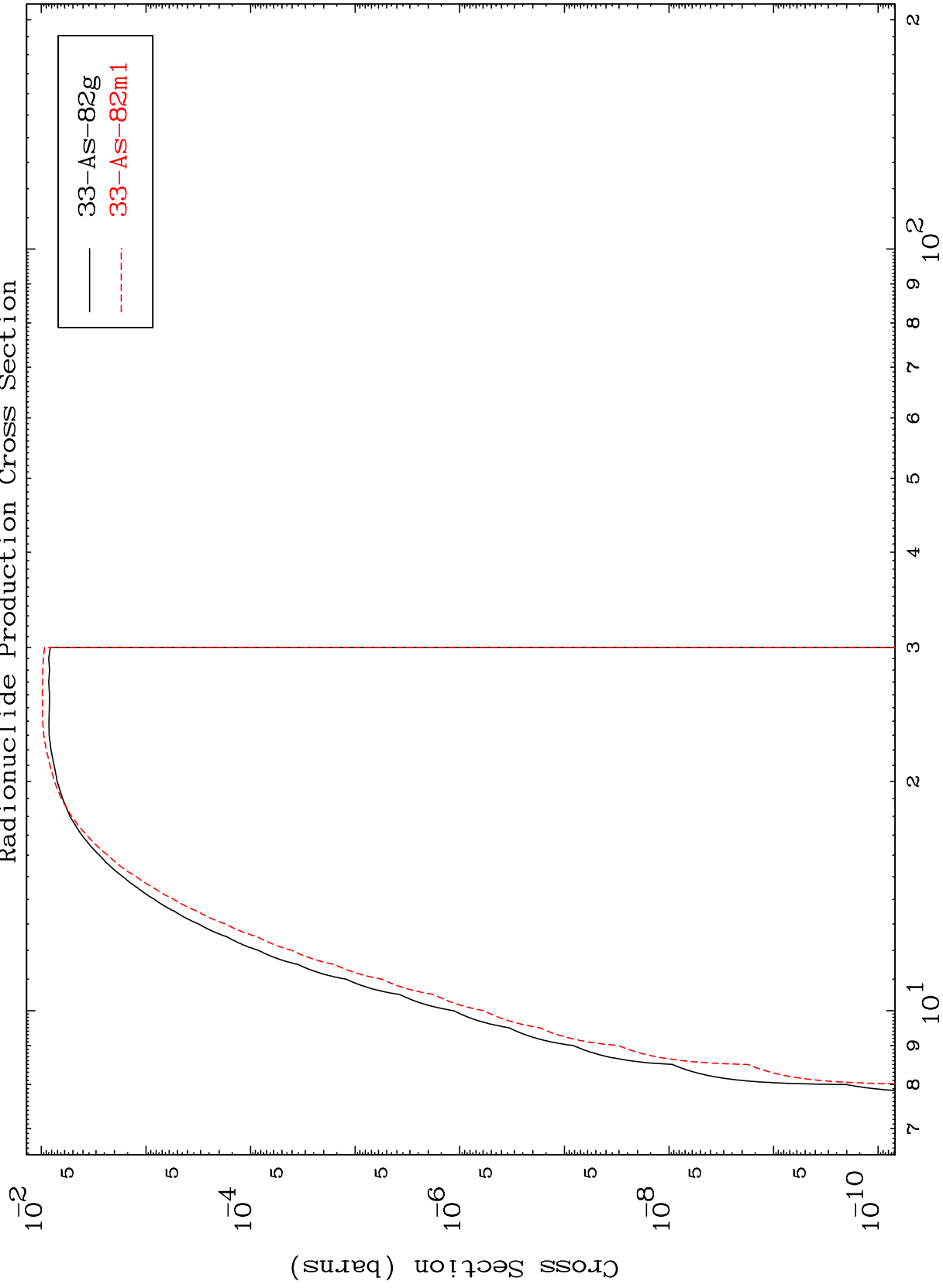


— 34-Se-82g
- - - 34-Se-83m1

MAT 3449

34-Se-82

(n,p)
Radionuclide Production Cross Section



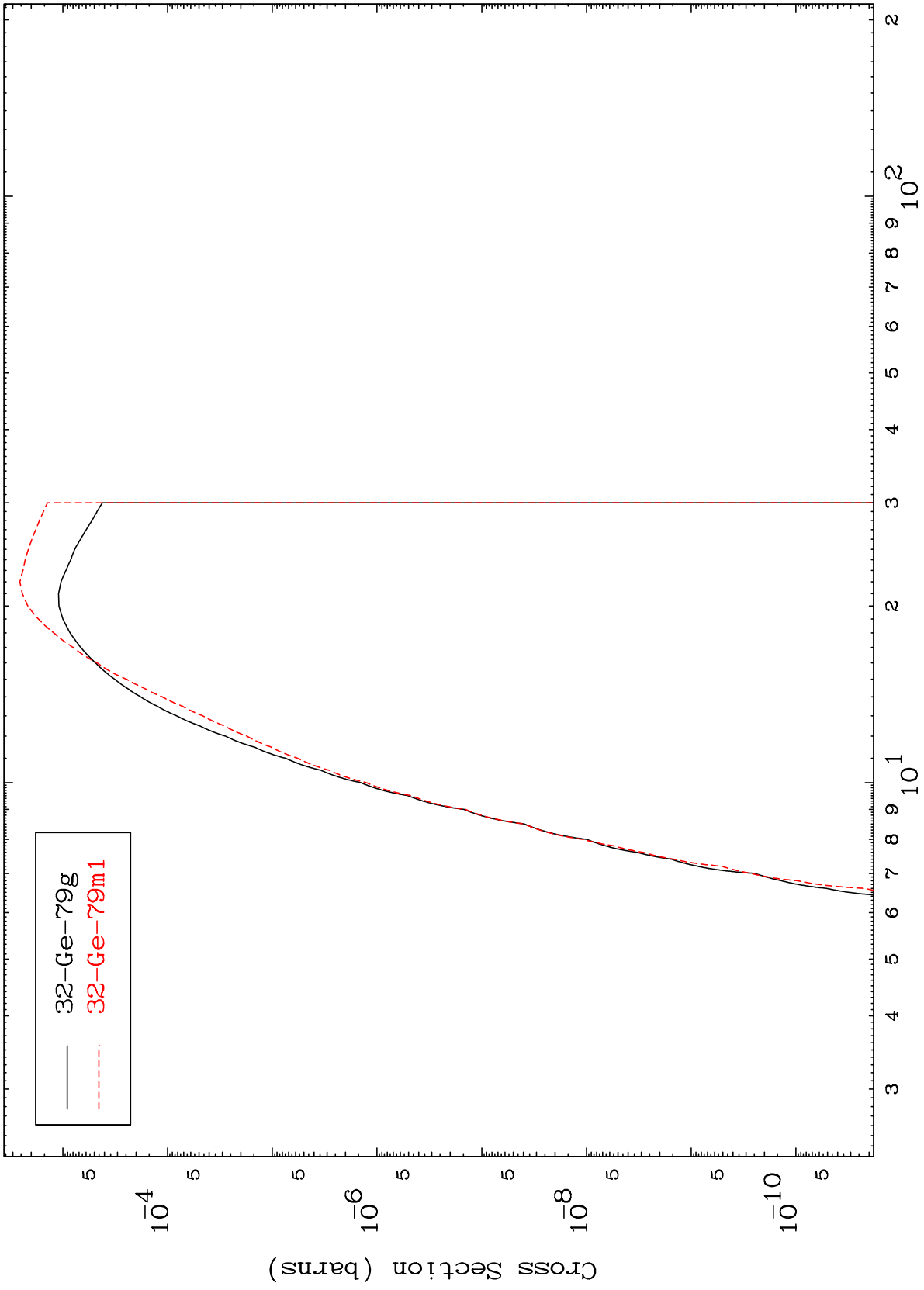
119

34-Se-82

MAT 3449

34-^{Se}-82

Radionuclide Production Cross Section

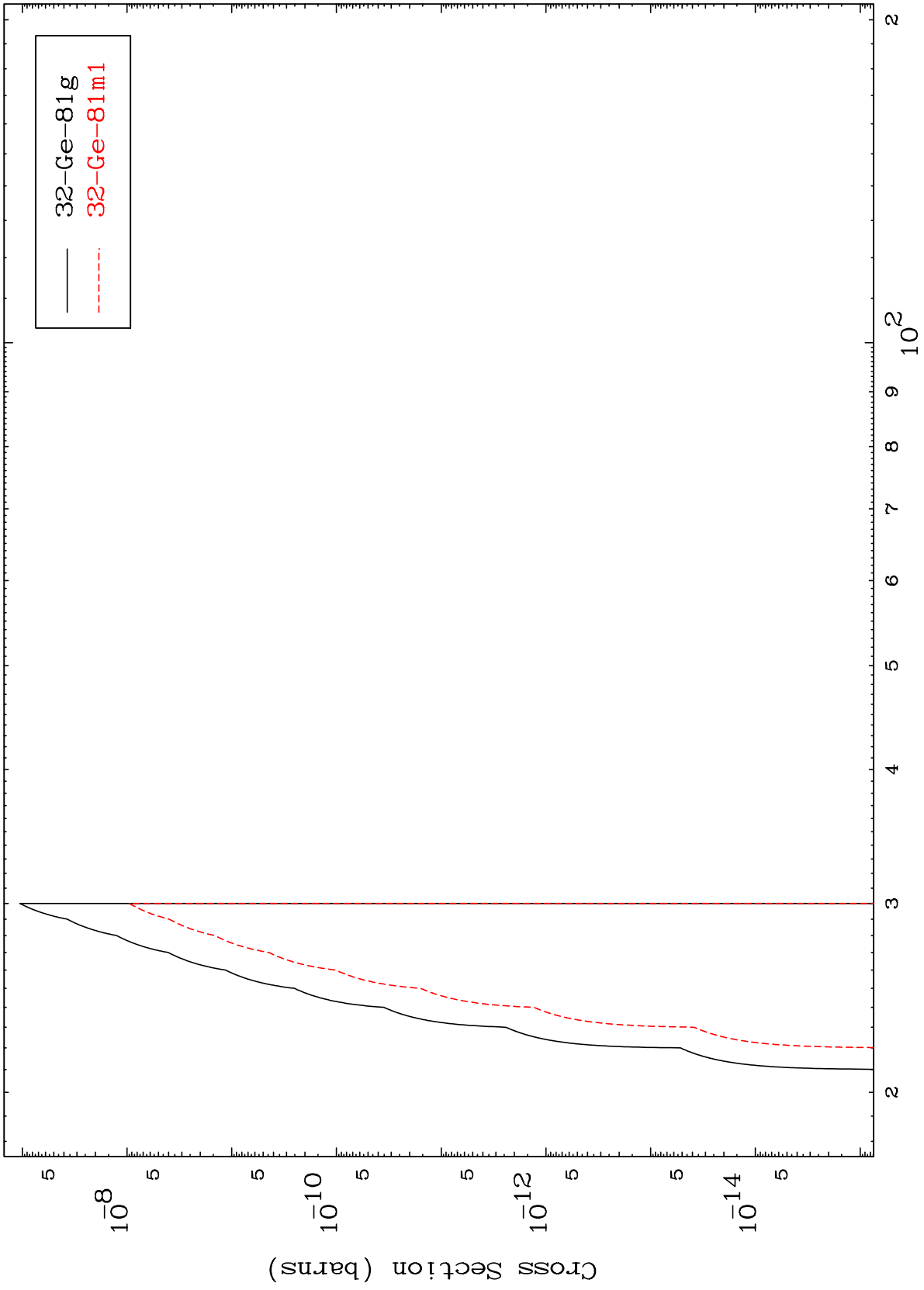


— 32-^{Ge}-79g
- - - 32-^{Ge}-79m1

MAT 3449

34-^{Se}-82

(n,2p)
Radionuclide Production Cross Section



121

34-^{Se}-82