

Program EVALPLOT
(Version 2017-1)

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

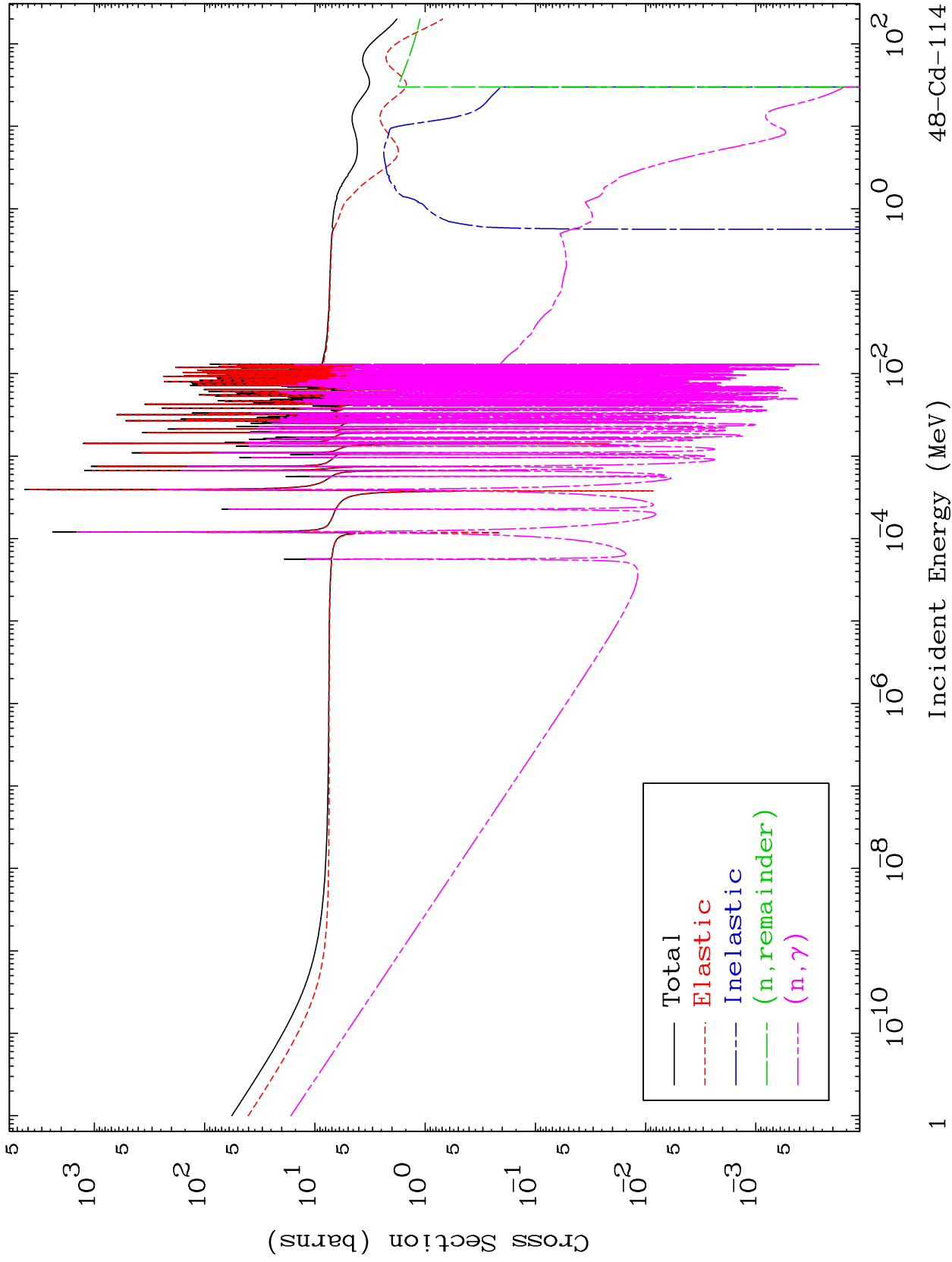
Press Mouse Button to Start

MAT 4849

Major

293 Kelvin Cross Sections

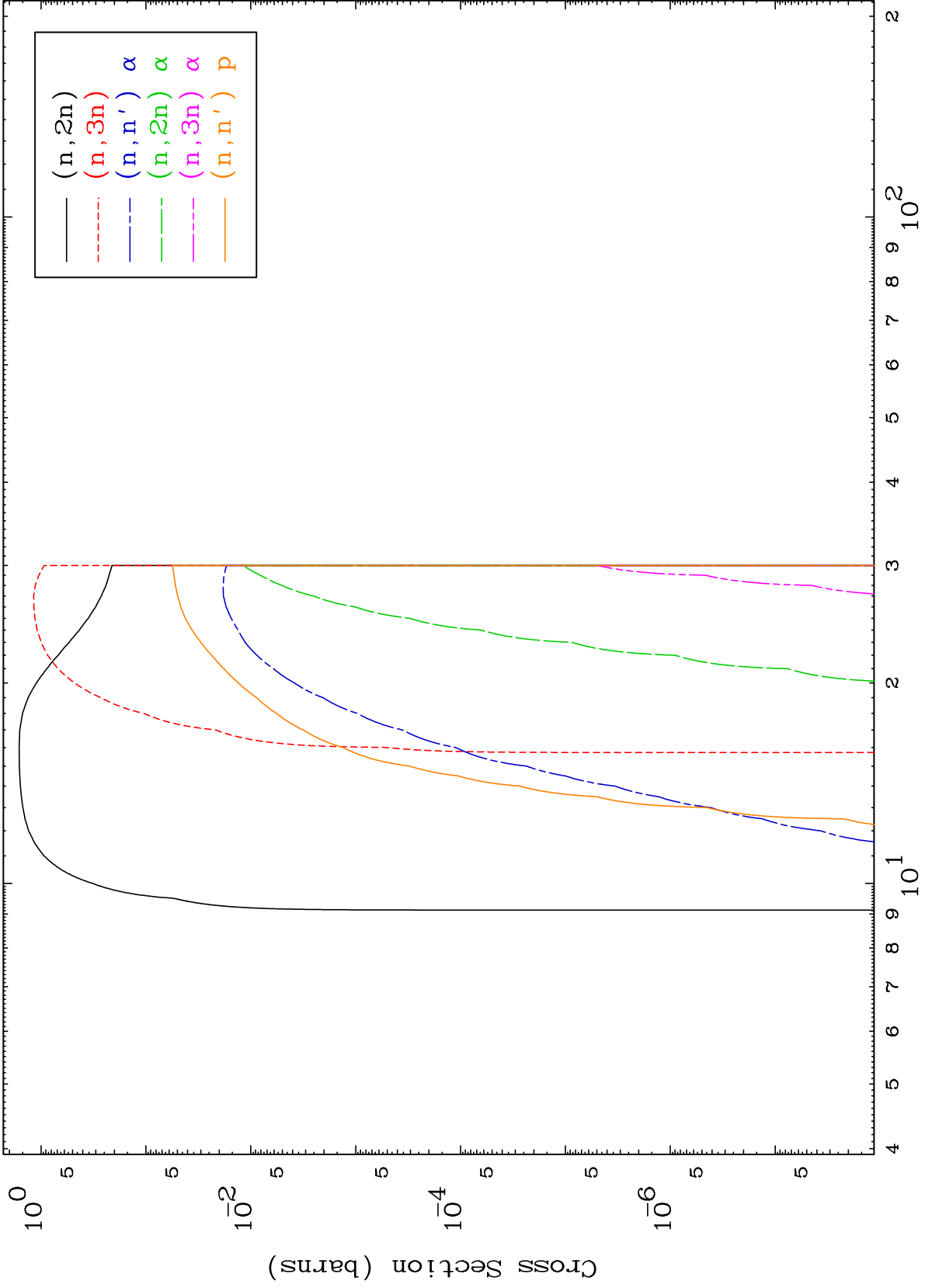
48-Cd-114



MAT 4849

Neutron Production
293 Kelvin Cross Sections

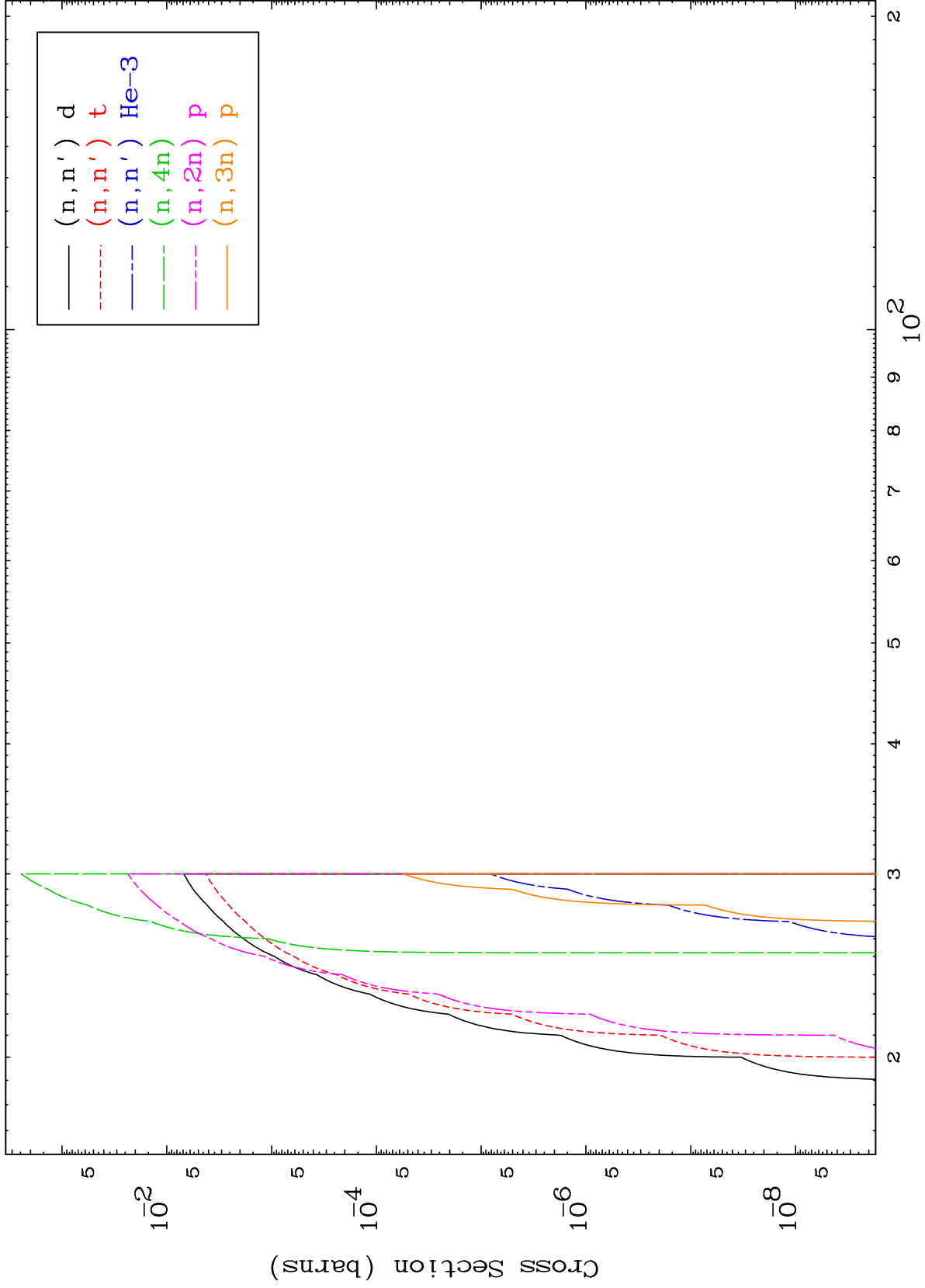
48-Cd-114

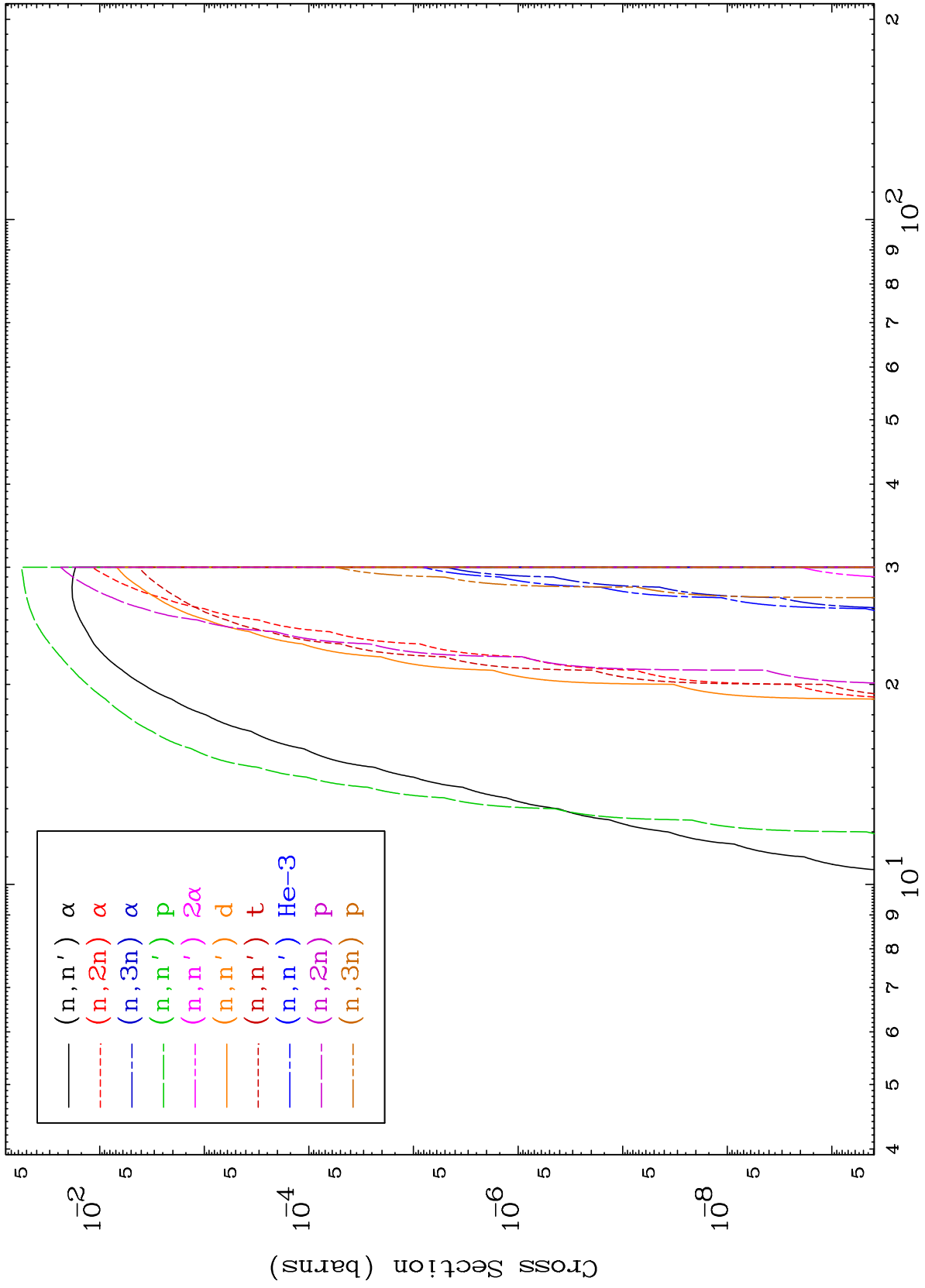


2

Incident Energy (MeV)

48-Cd-114

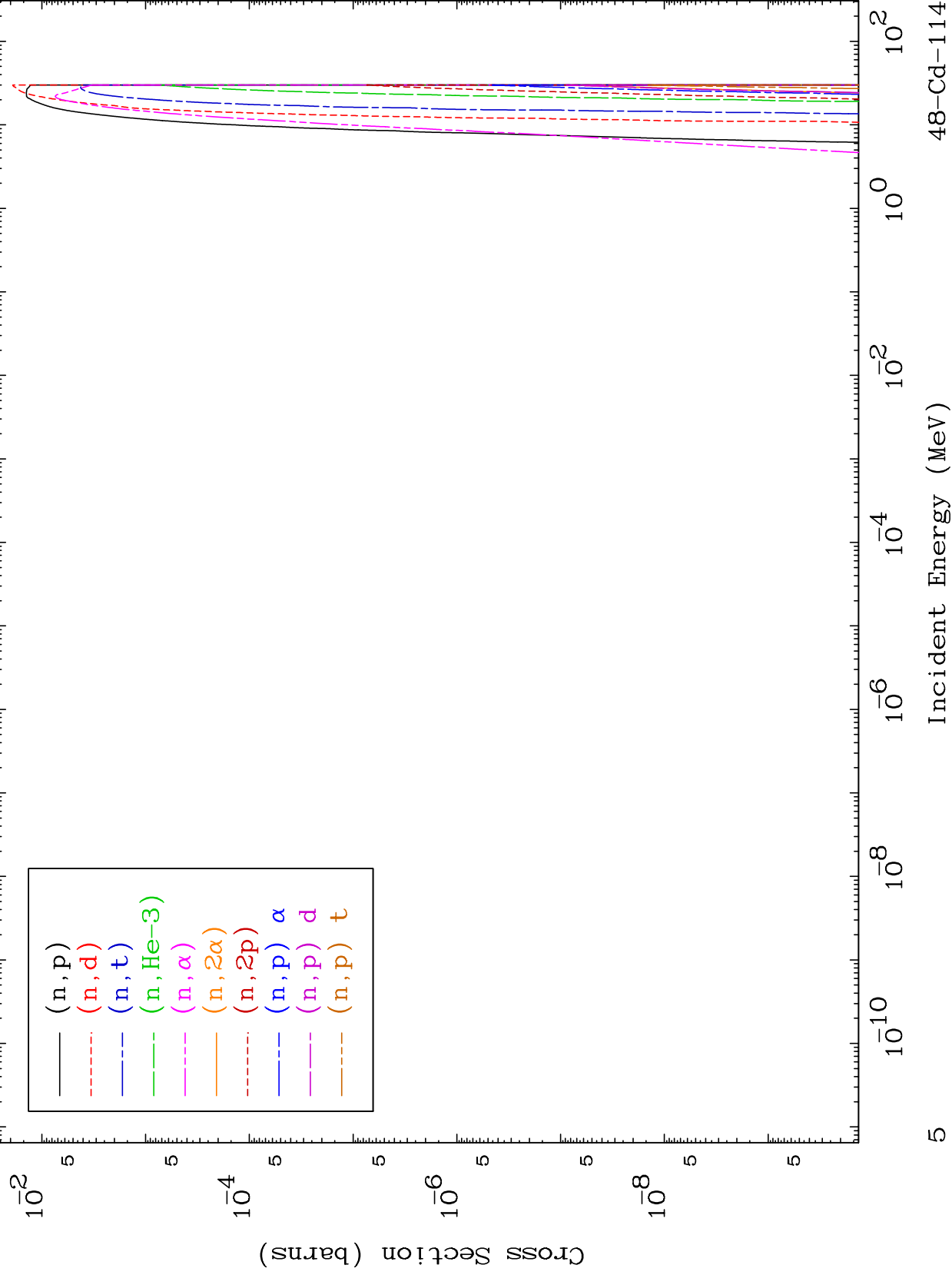




MAT 4849

Charged Particle
293 Kelvin Cross Sections

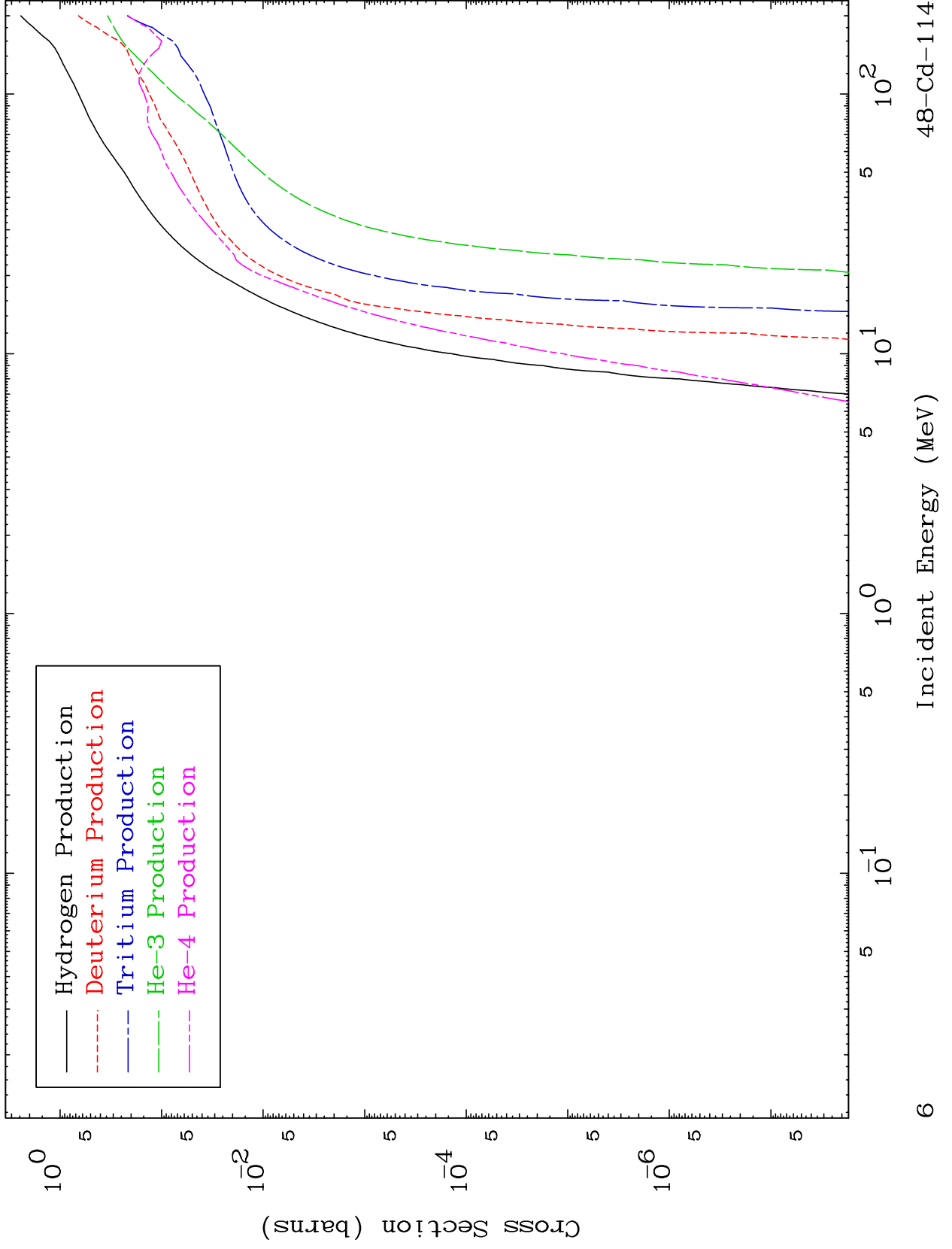
48-Cd-114



MAT 4849

Particle Production
293 Kelvin Cross Sections

48-Cd-114

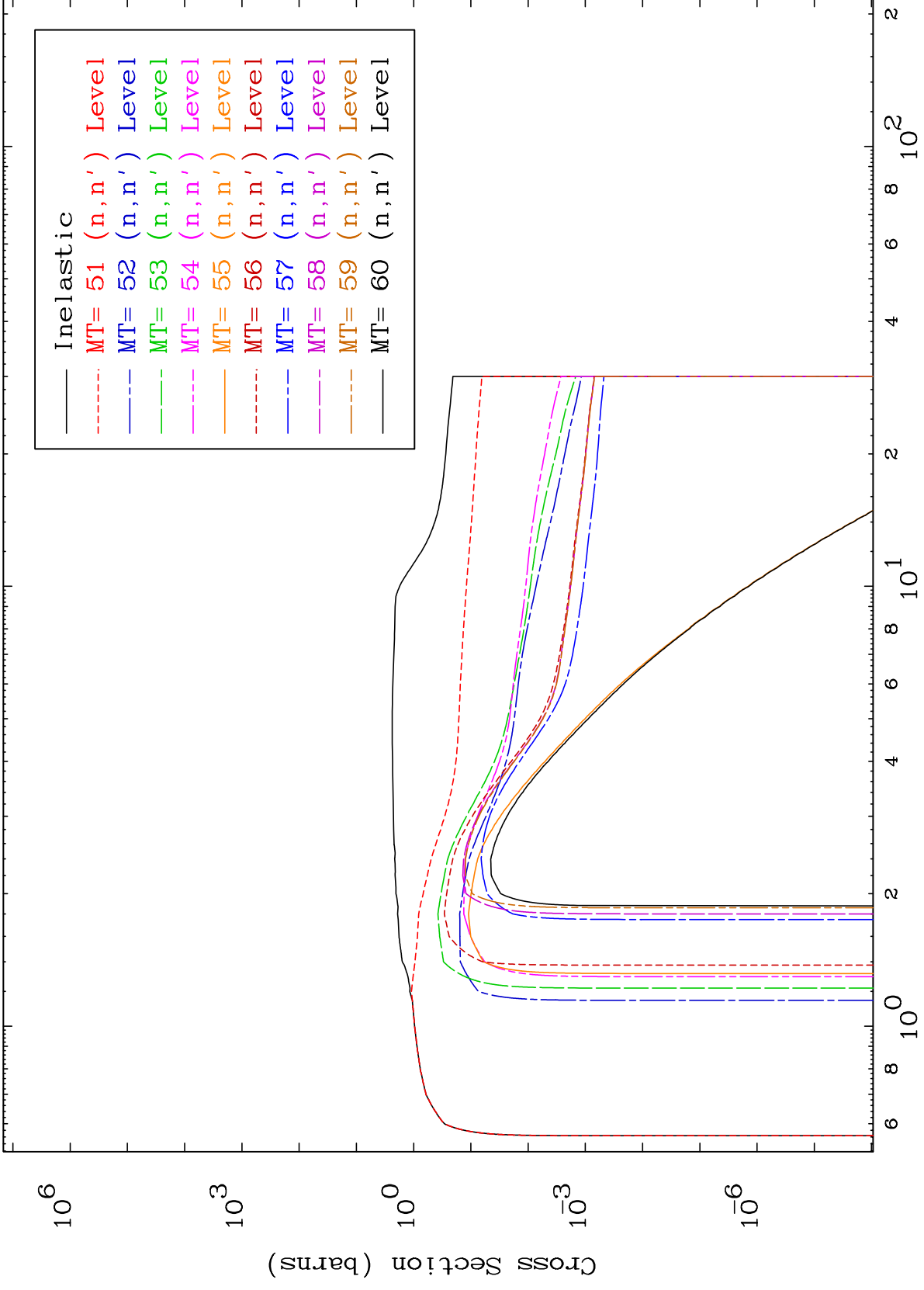


MAT 4849

(n,n') Level

48-Cd-114

293 Kelvin Cross Sections



7

Incident Energy (MeV)

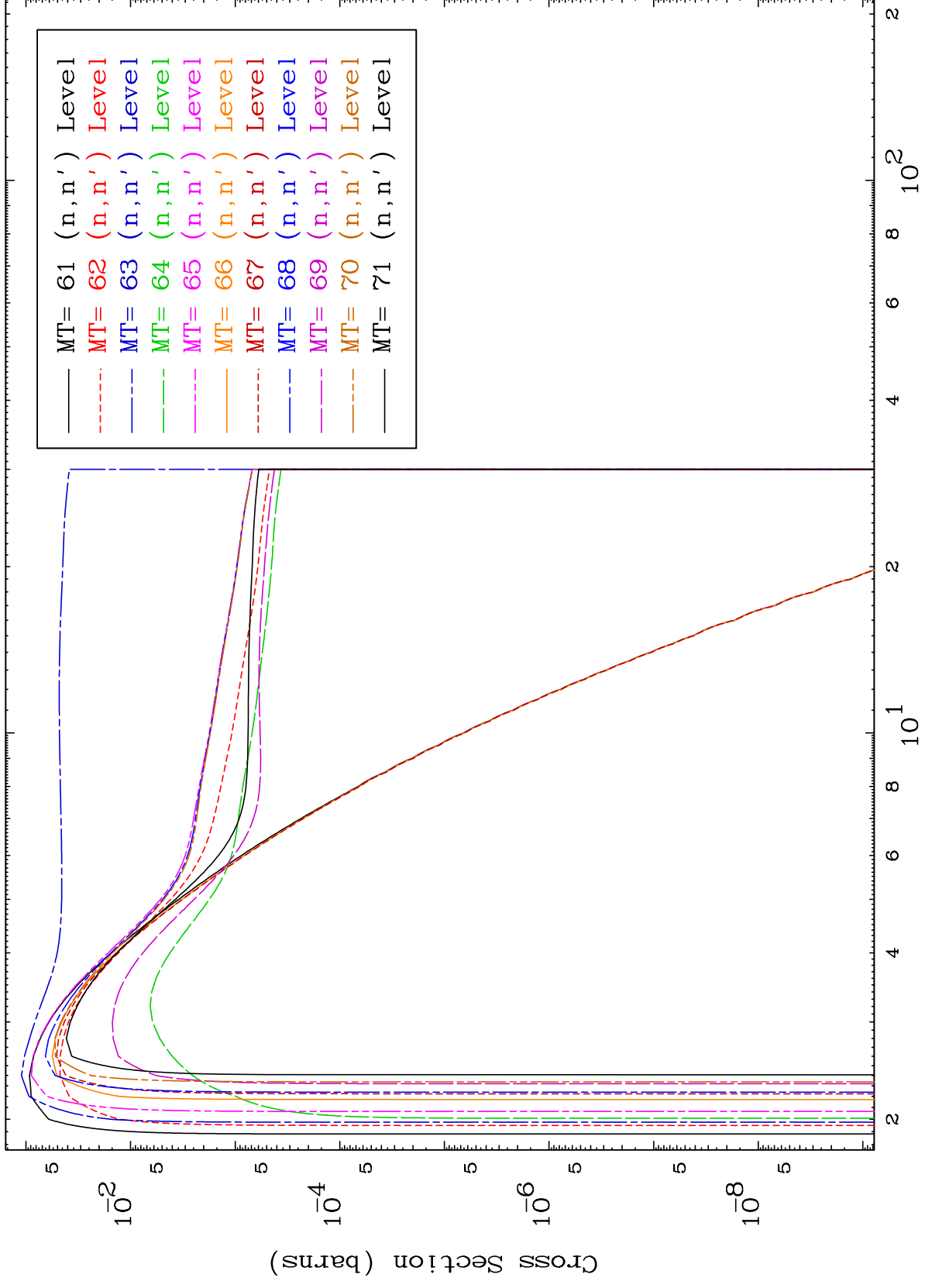
48-Cd-114

MAT 4849

(n,n') Level

48-Cd-114

293 Kelvin Cross Sections

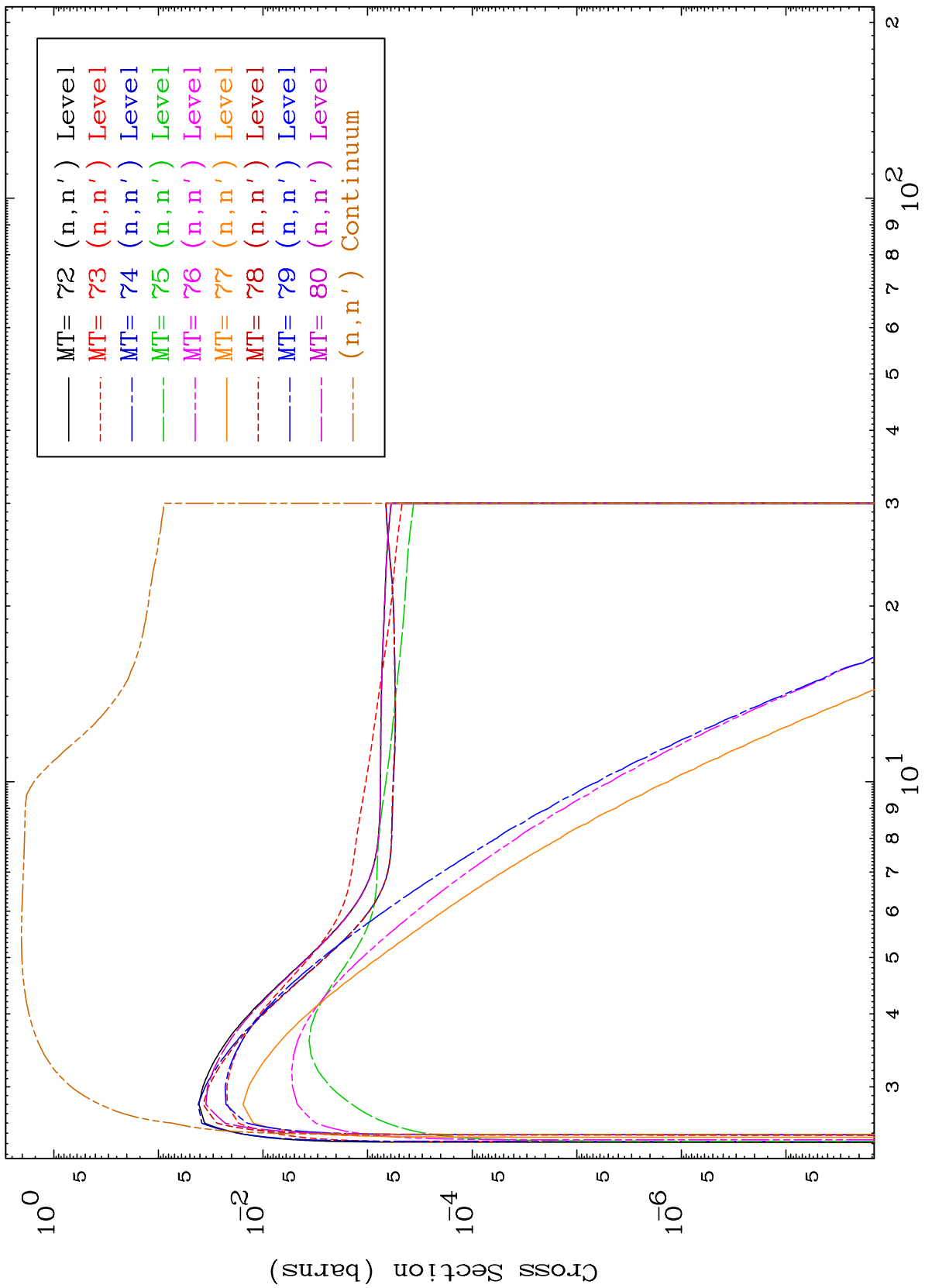


8

Incident Energy (MeV)

48-Cd-114

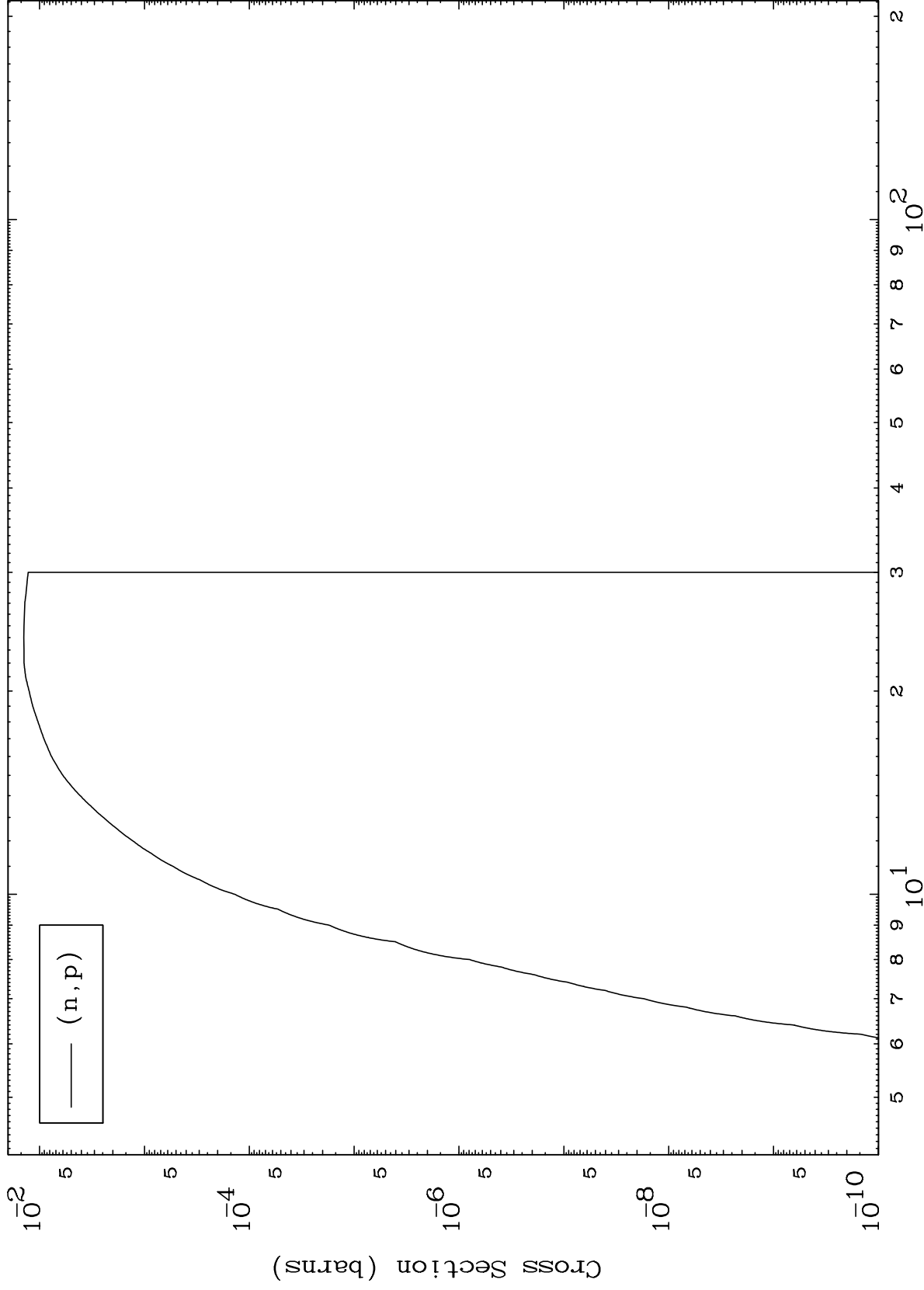
293 Kelvin Cross Sections



MAT 4849

(n,p) Levels
293 Kelvin Cross Sections

48-Cd-114



10

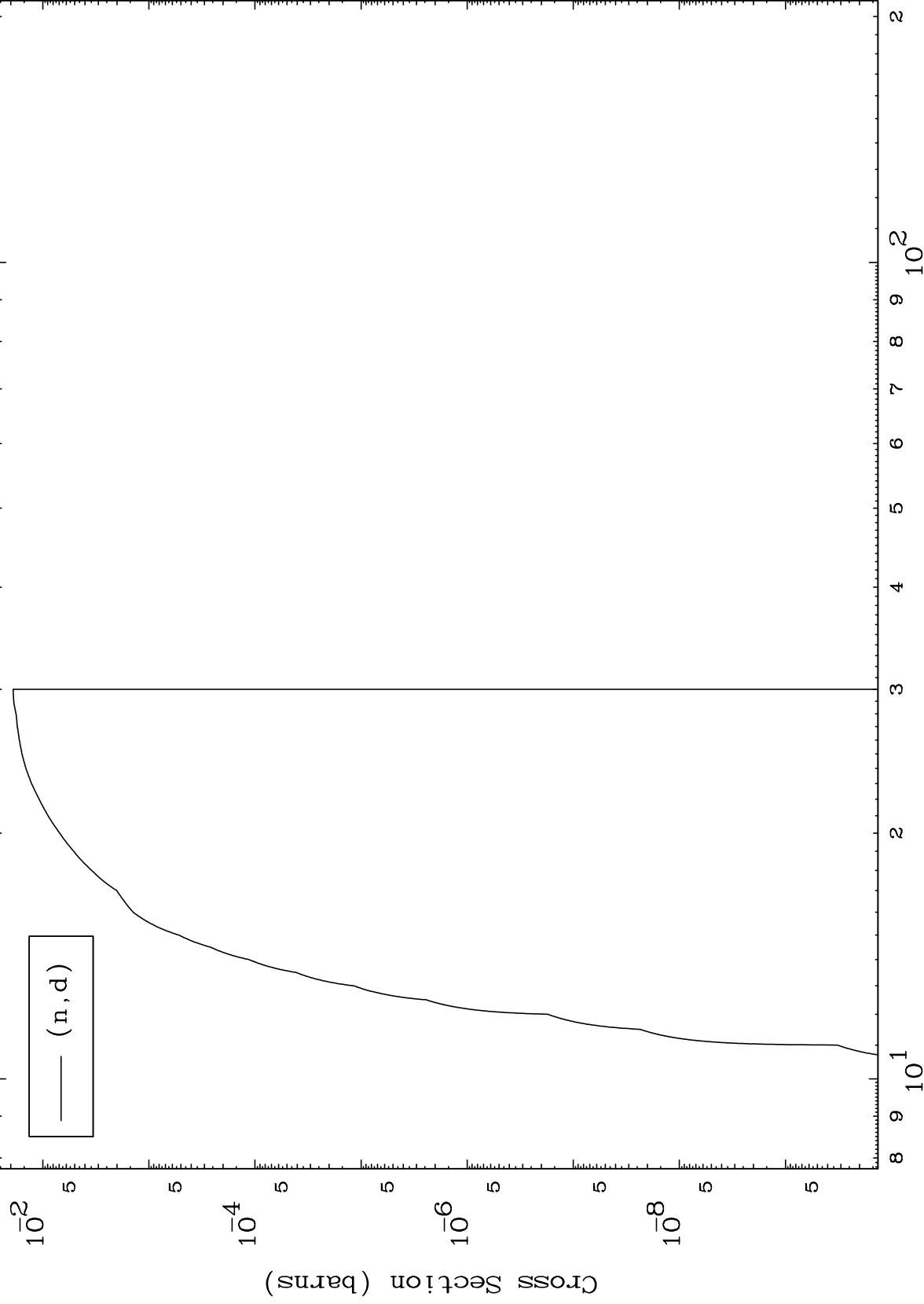
Incident Energy (MeV)

48-Cd-114

MAT 4849

(n,d) Levels
293 Kelvin Cross Sections

48-Cd-114



11

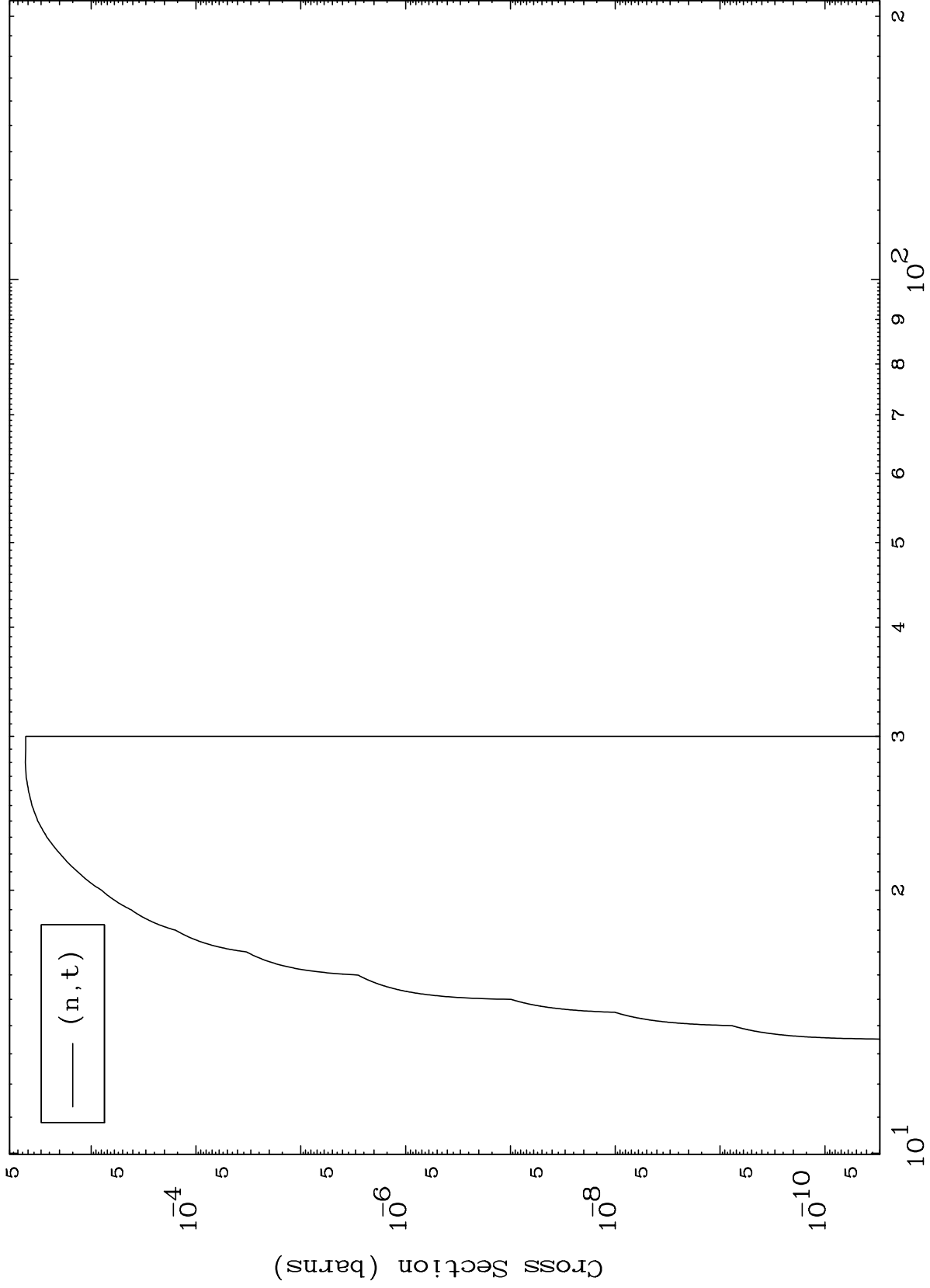
Incident Energy (MeV)

48-Cd-114

MAT 4849

(n,t) Levels
293 Kelvin Cross Sections

48-Cd-114



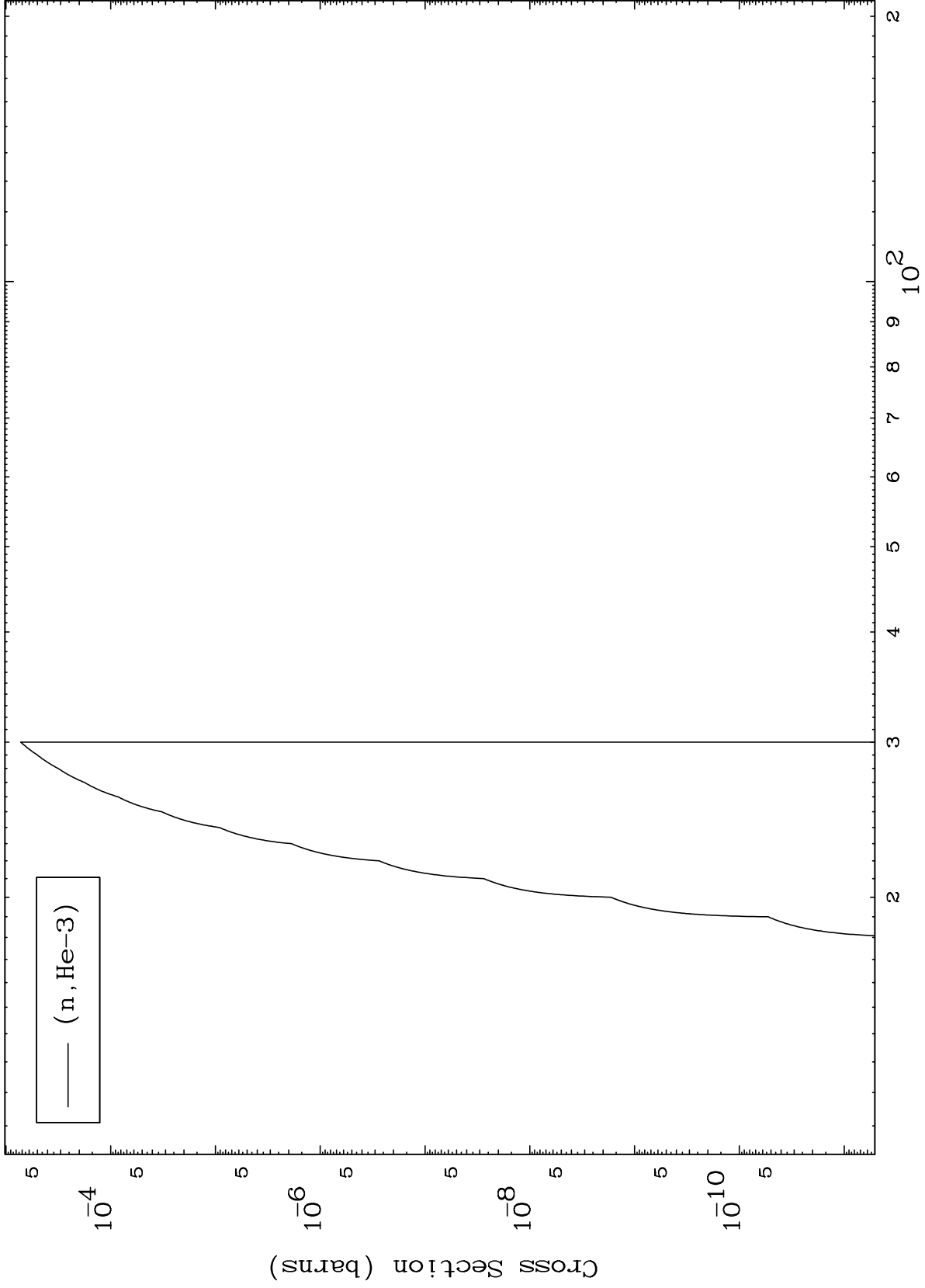
Incident Energy (MeV)

48-Cd-114

MAT 4849

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-114



13

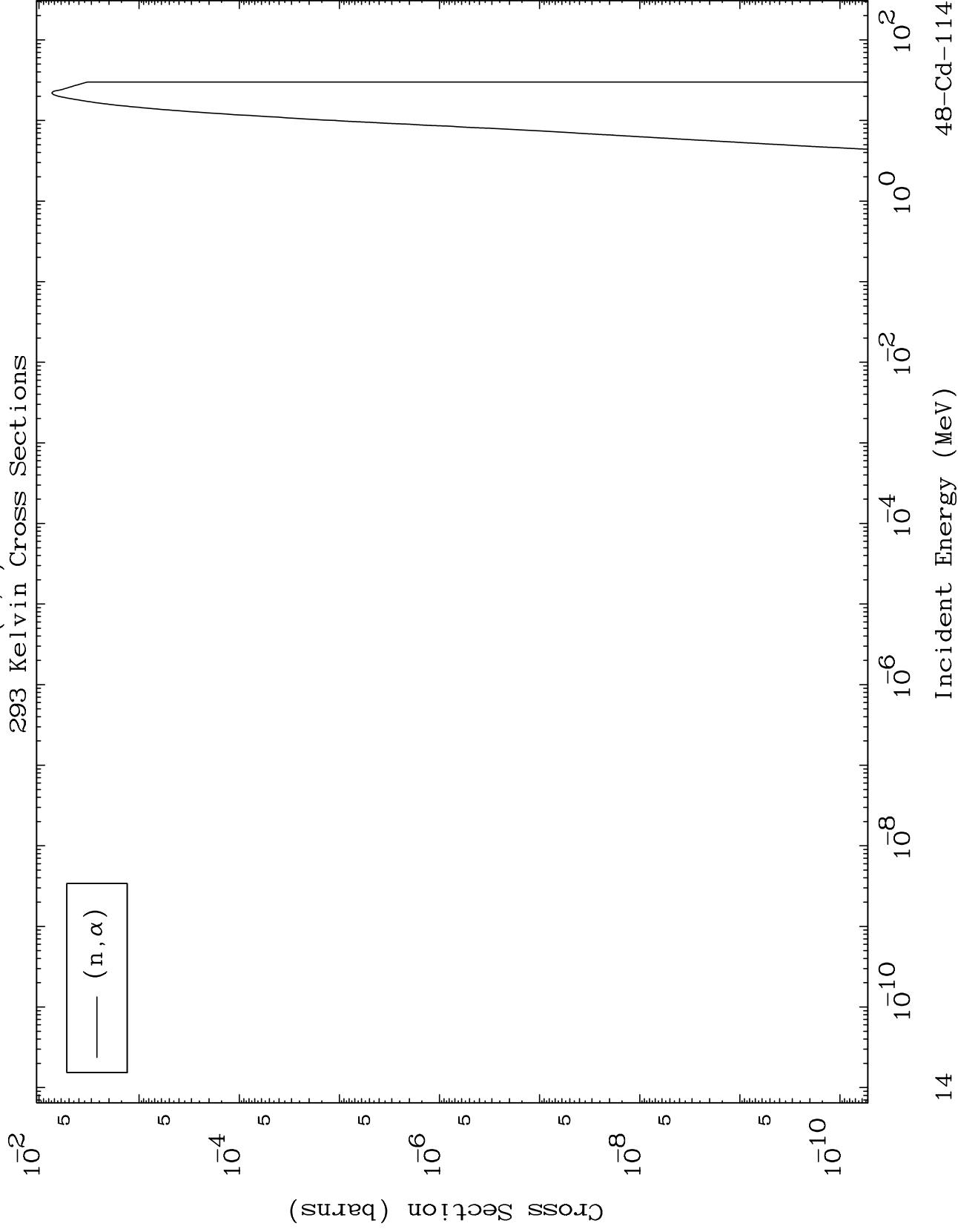
Incident Energy (MeV)

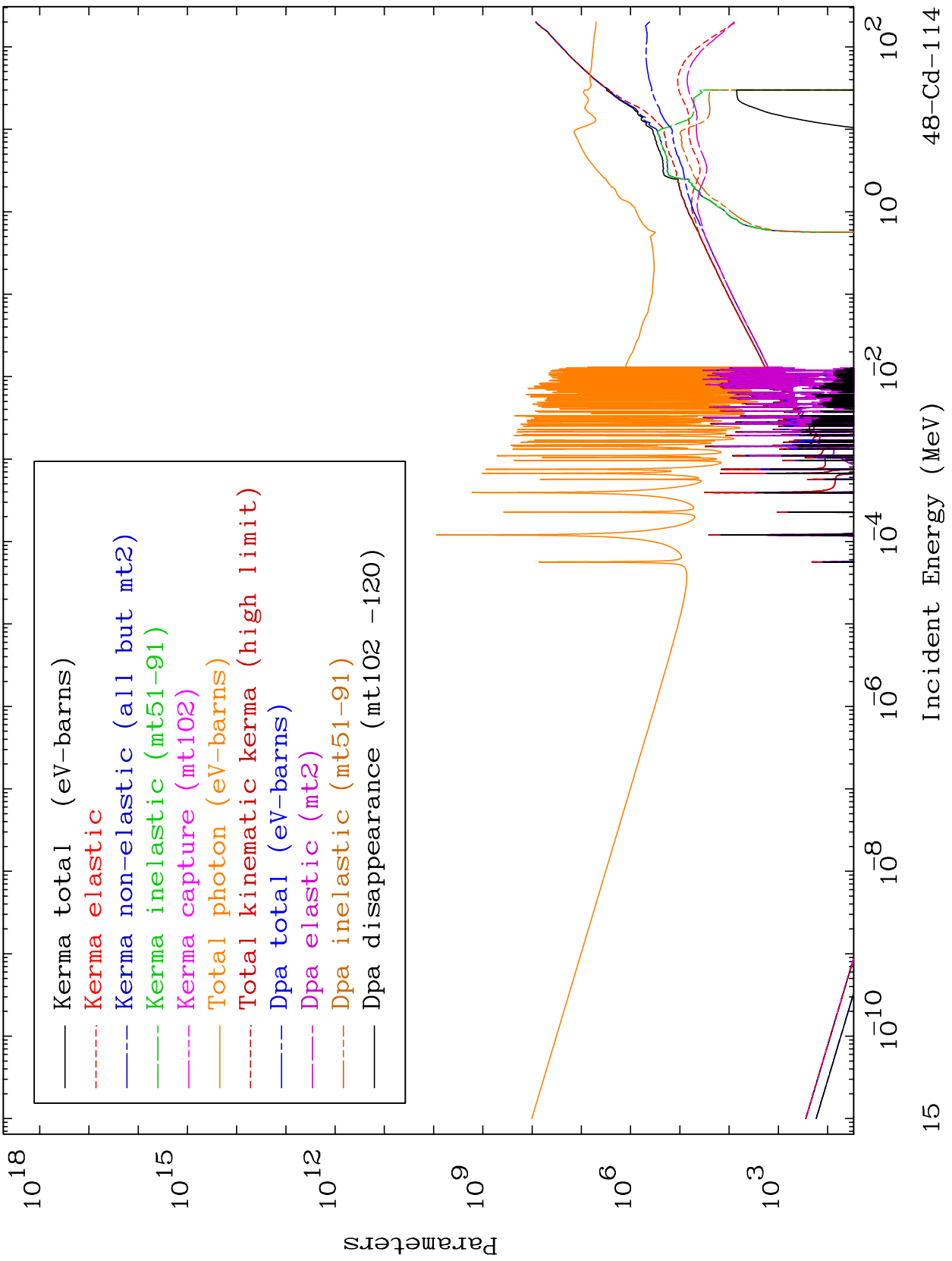
48-Cd-114

MAT 4849

(n, α) Levels
293 Kelvin Cross Sections

48-Cd-114

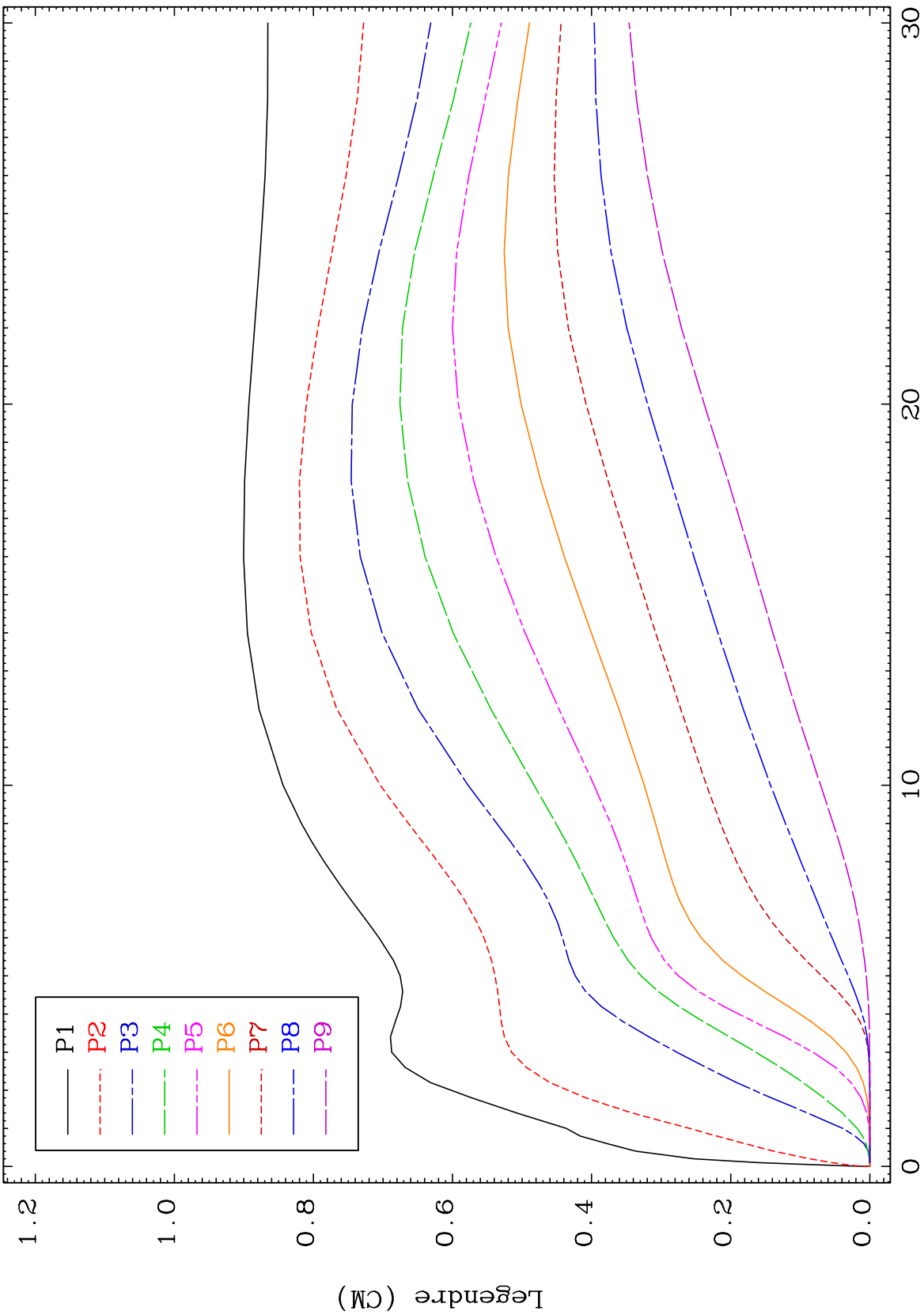




MAT 4849

Elastic Legendre Coefficients

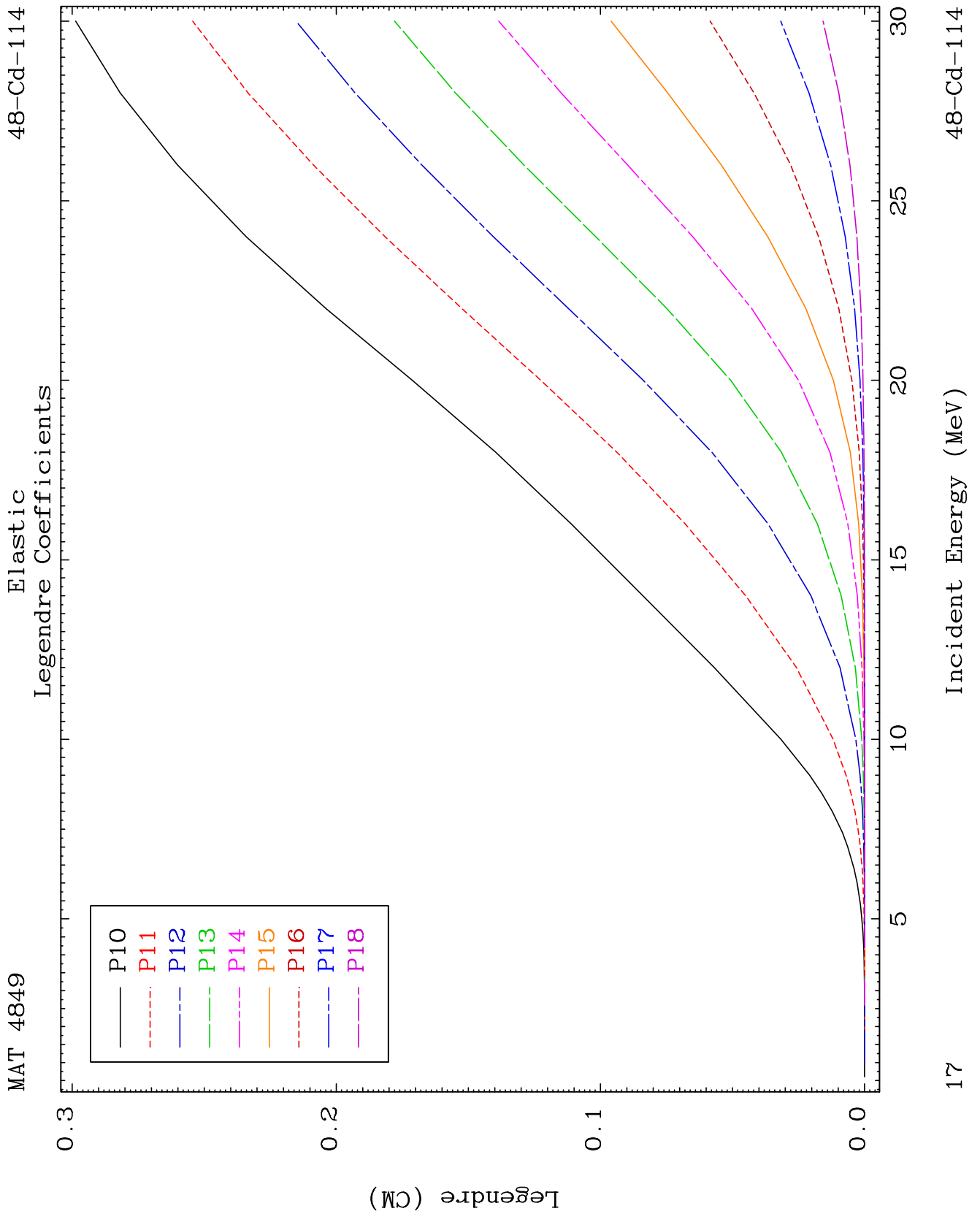
48-Cd-114



16

Incident Energy (MeV)

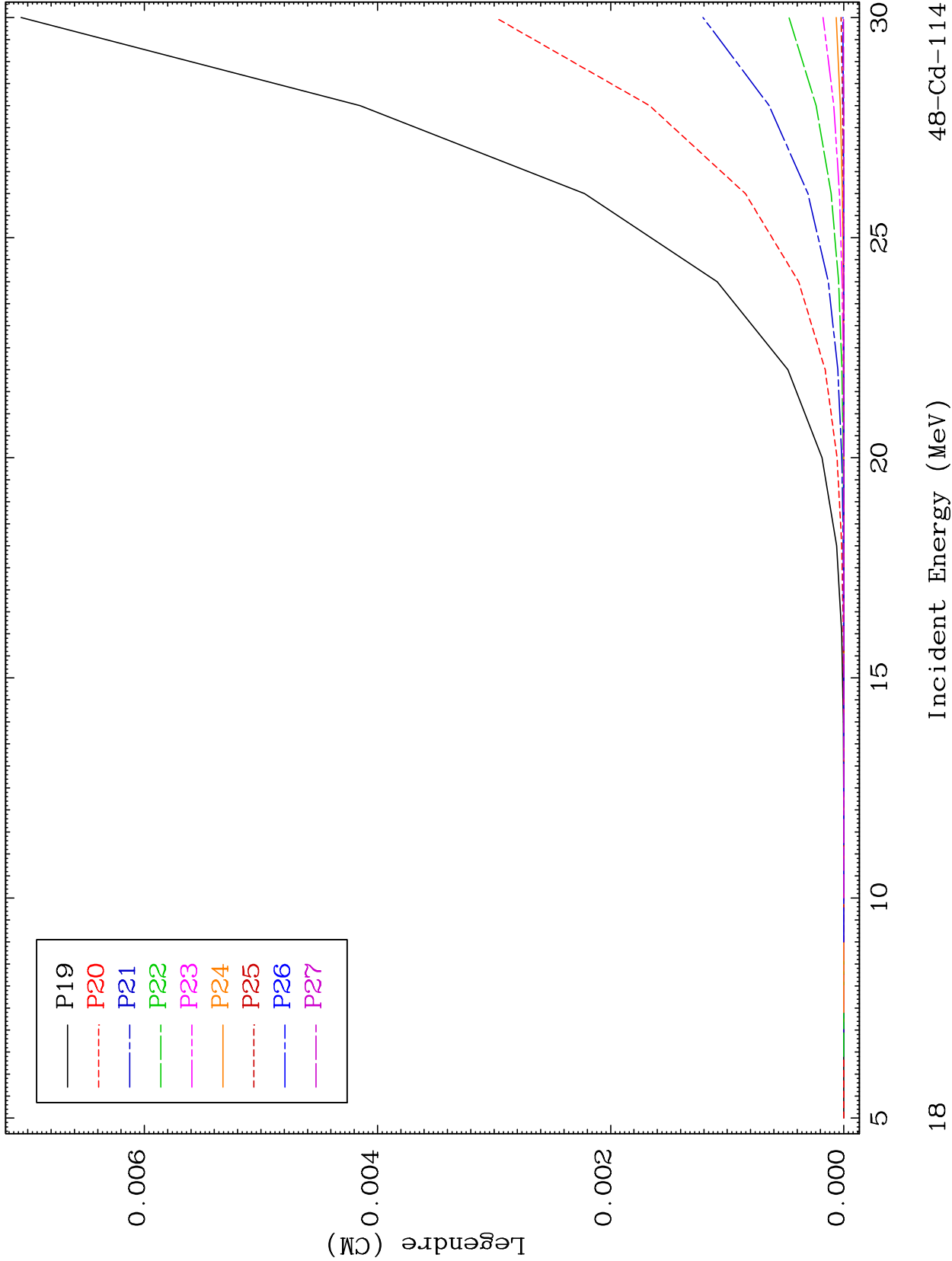
48-Cd-114



MAT 4849

Elastic Legendre Coefficients

48-Cd-114

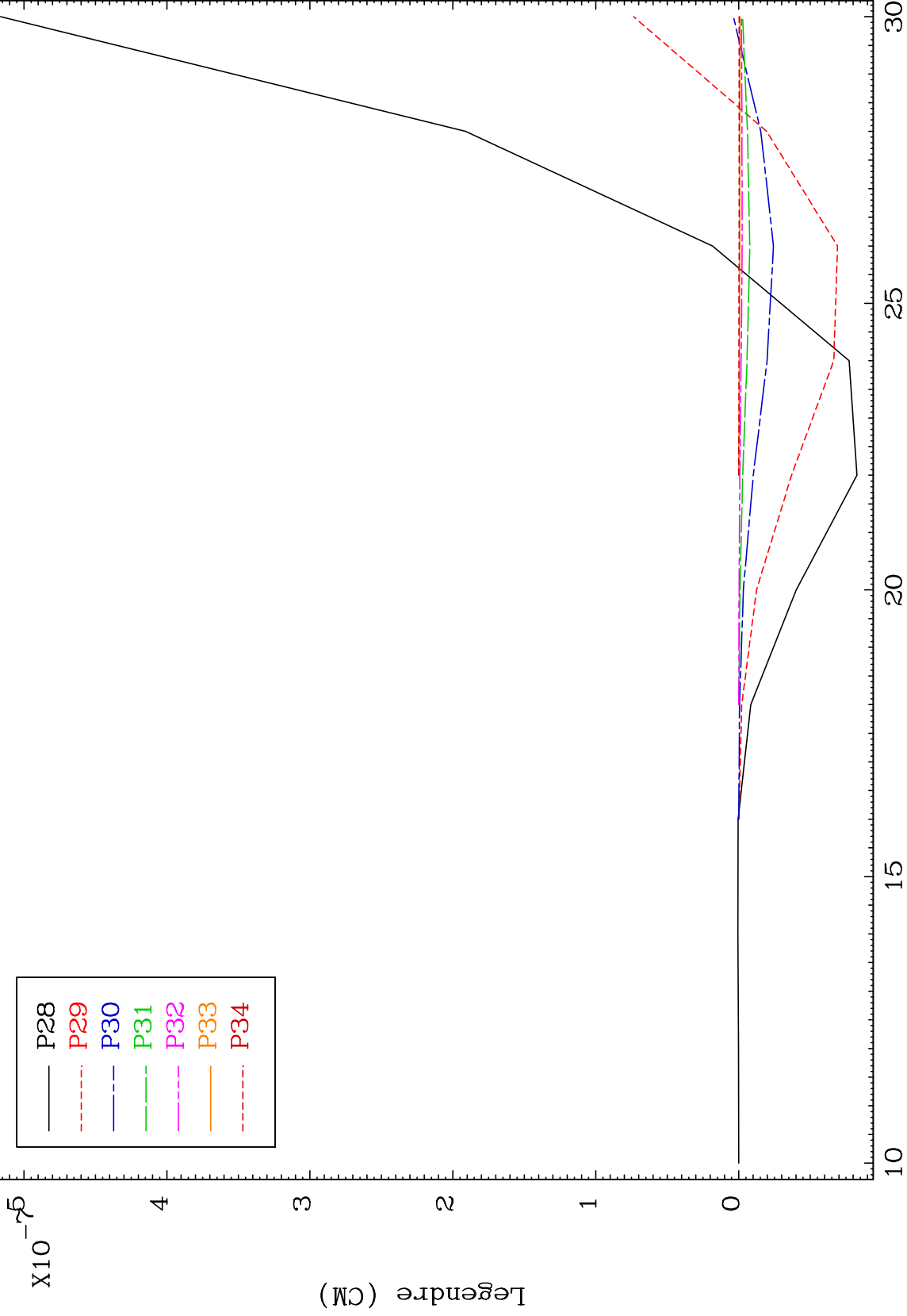


- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

MAT 4849

Elastic
Legendre Coefficients

48-Cd-114



10

15

20

25

30

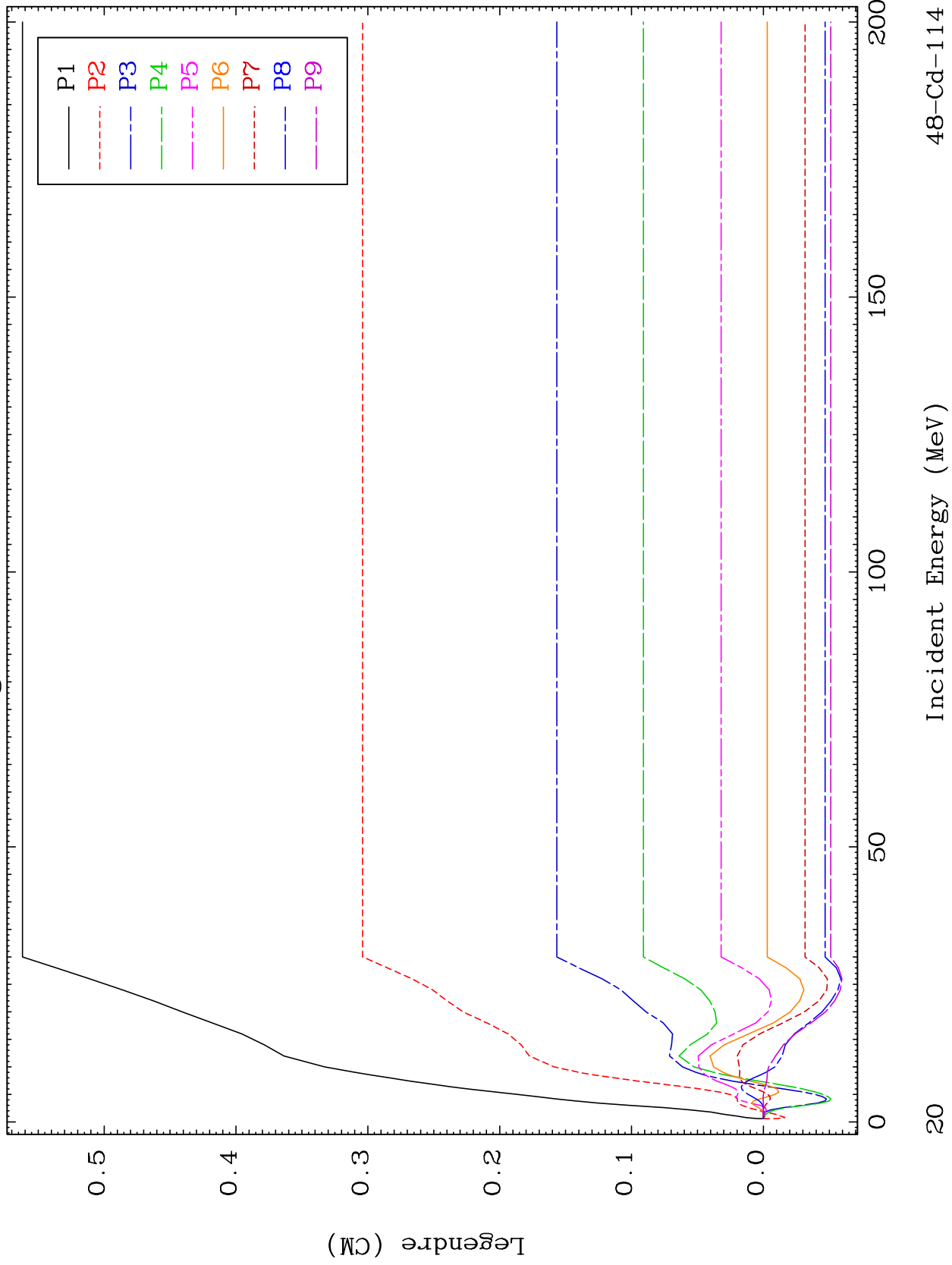
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



48-Cd-114

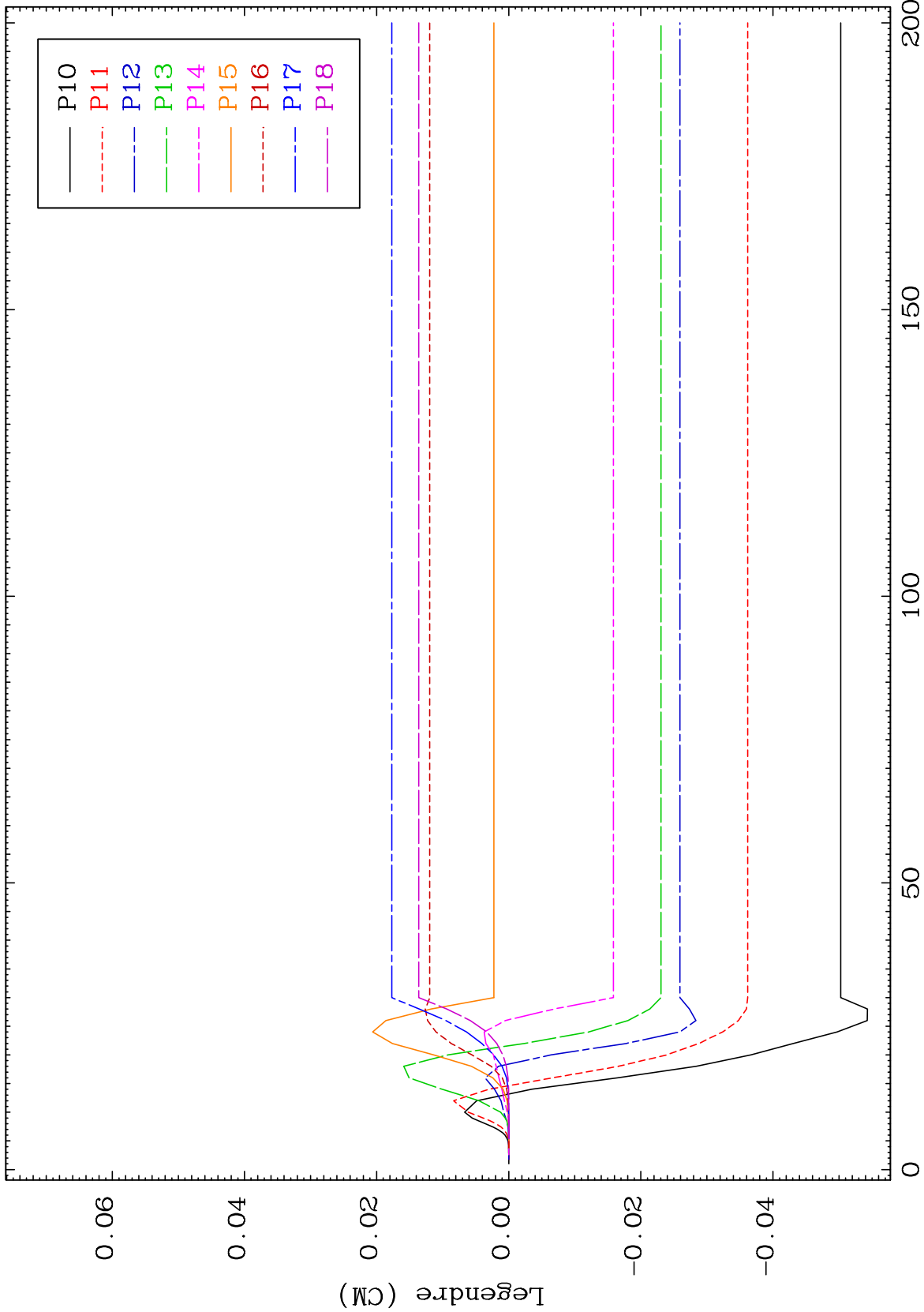
Incident Energy (MeV)

Legendre (CM)

MAT 4849

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

48-Cd-114



21

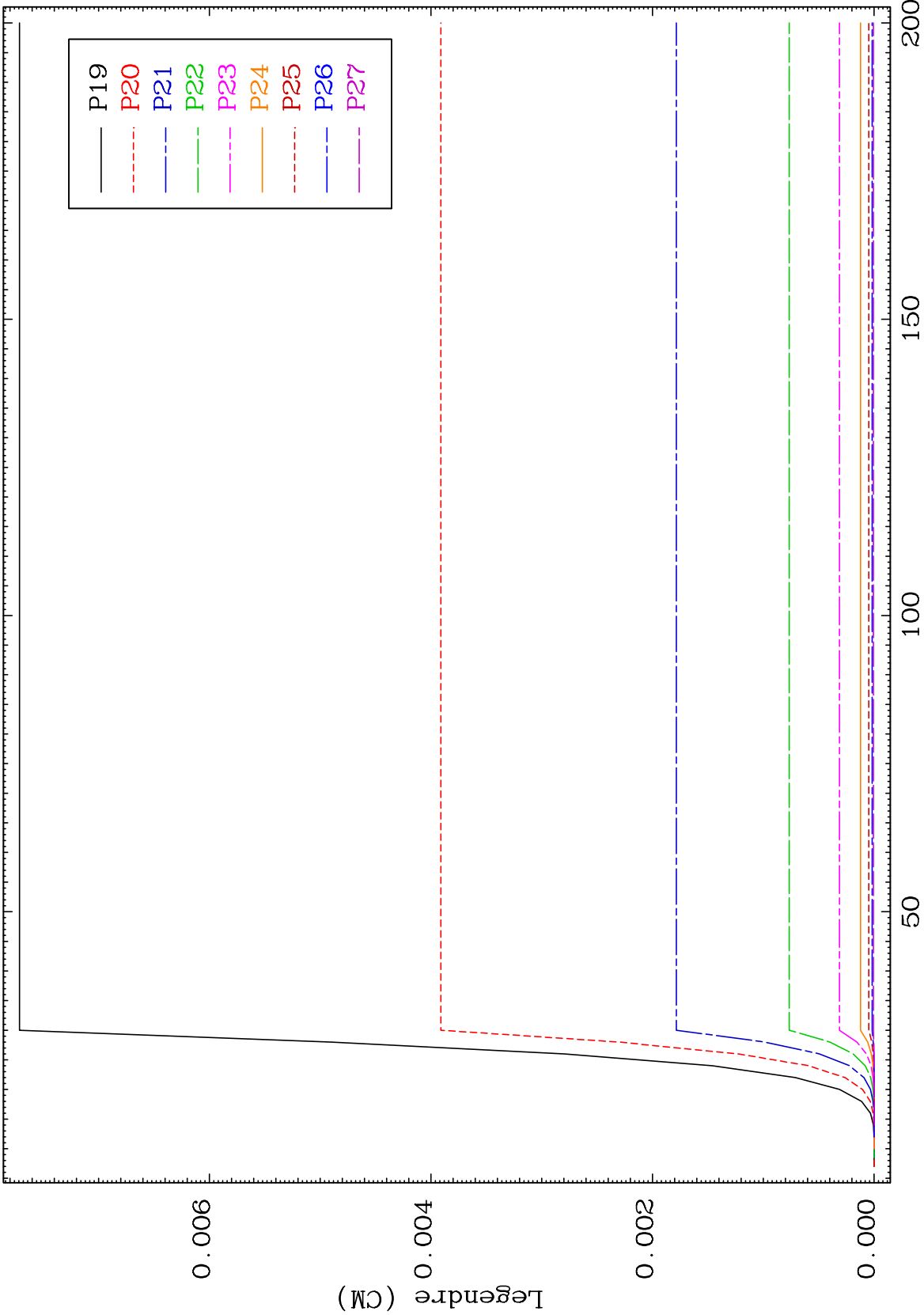
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



22

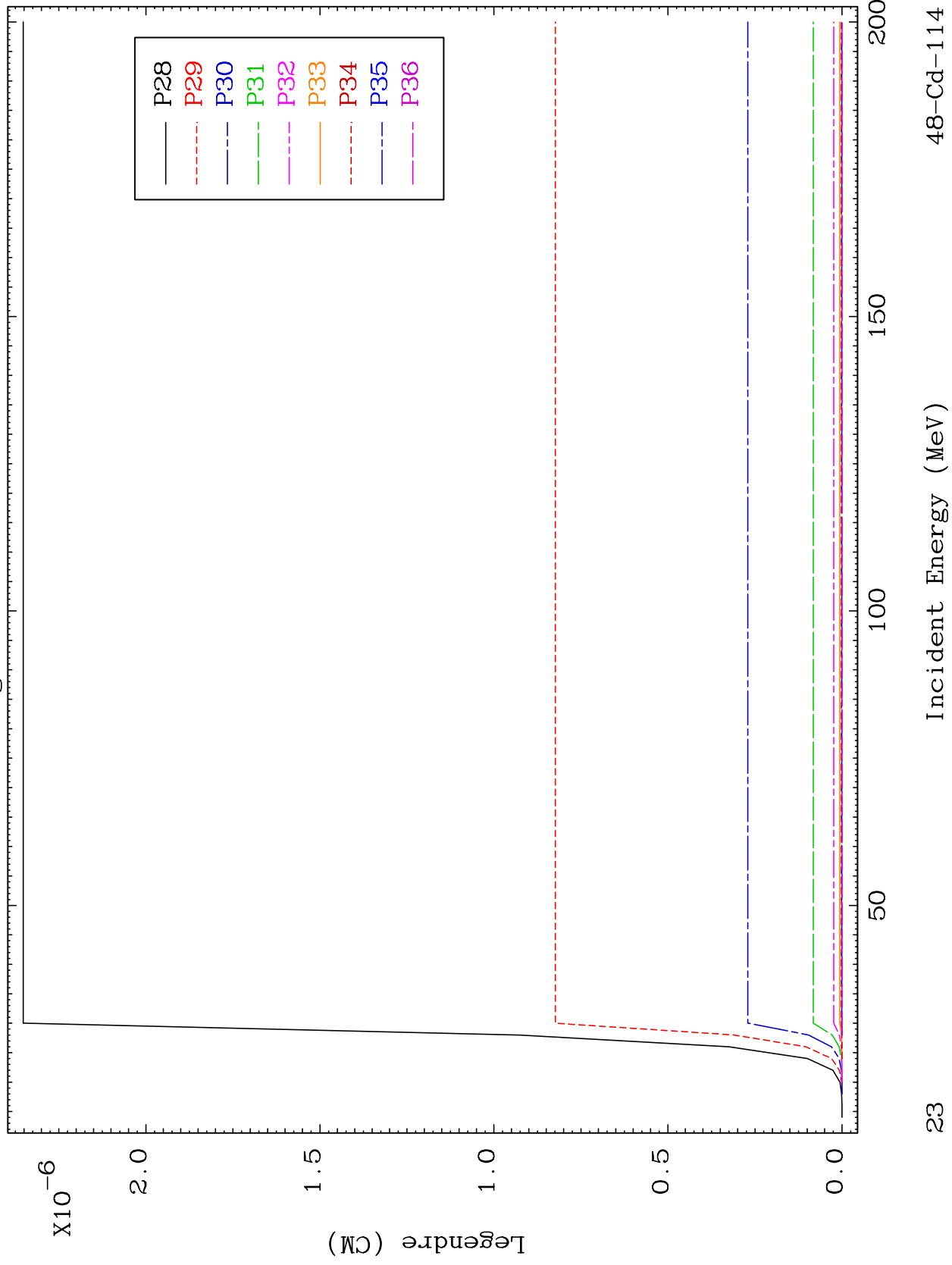
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

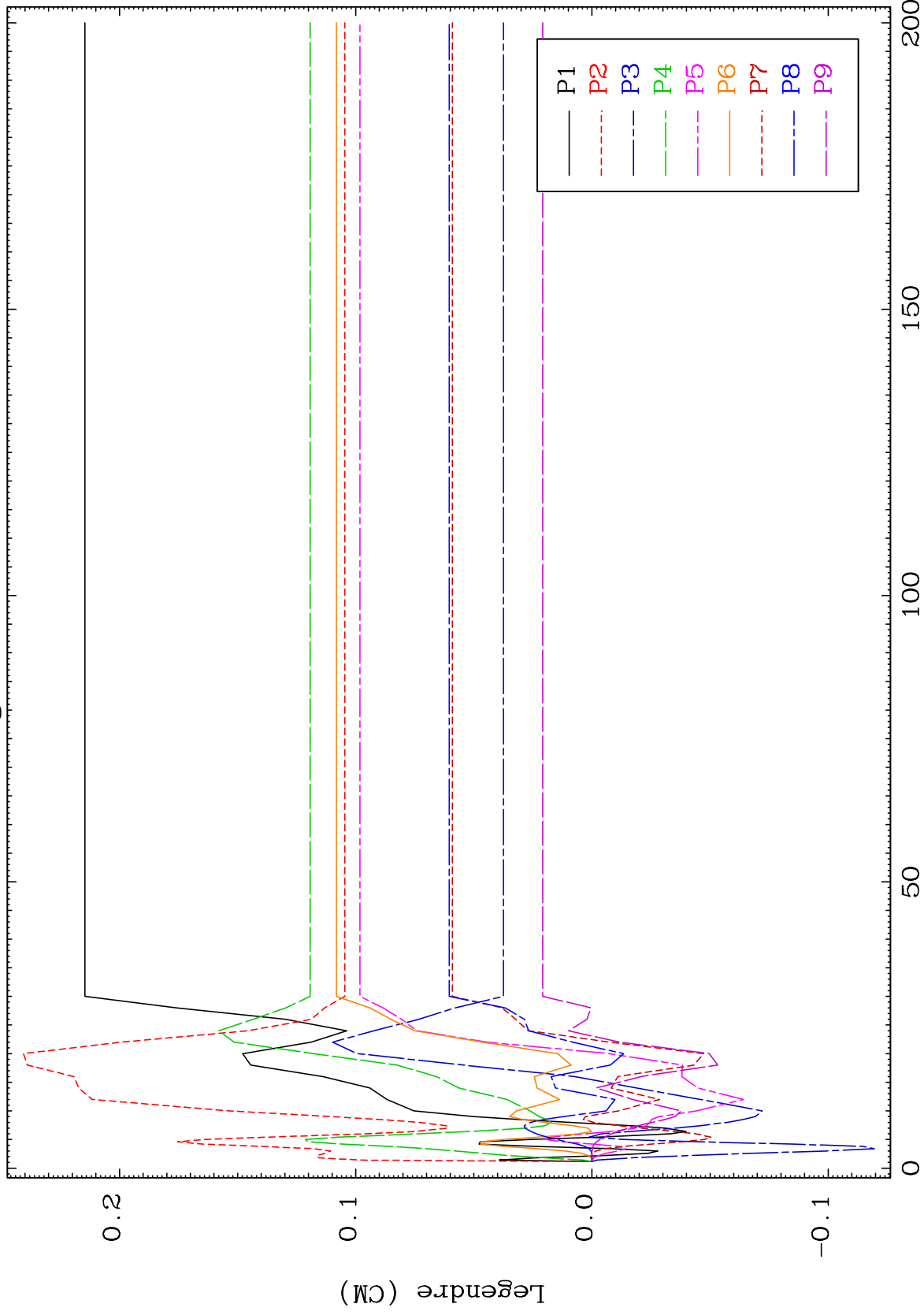
48-Cd-114



MAT 4849

48-Cd-114

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



48-Cd-114

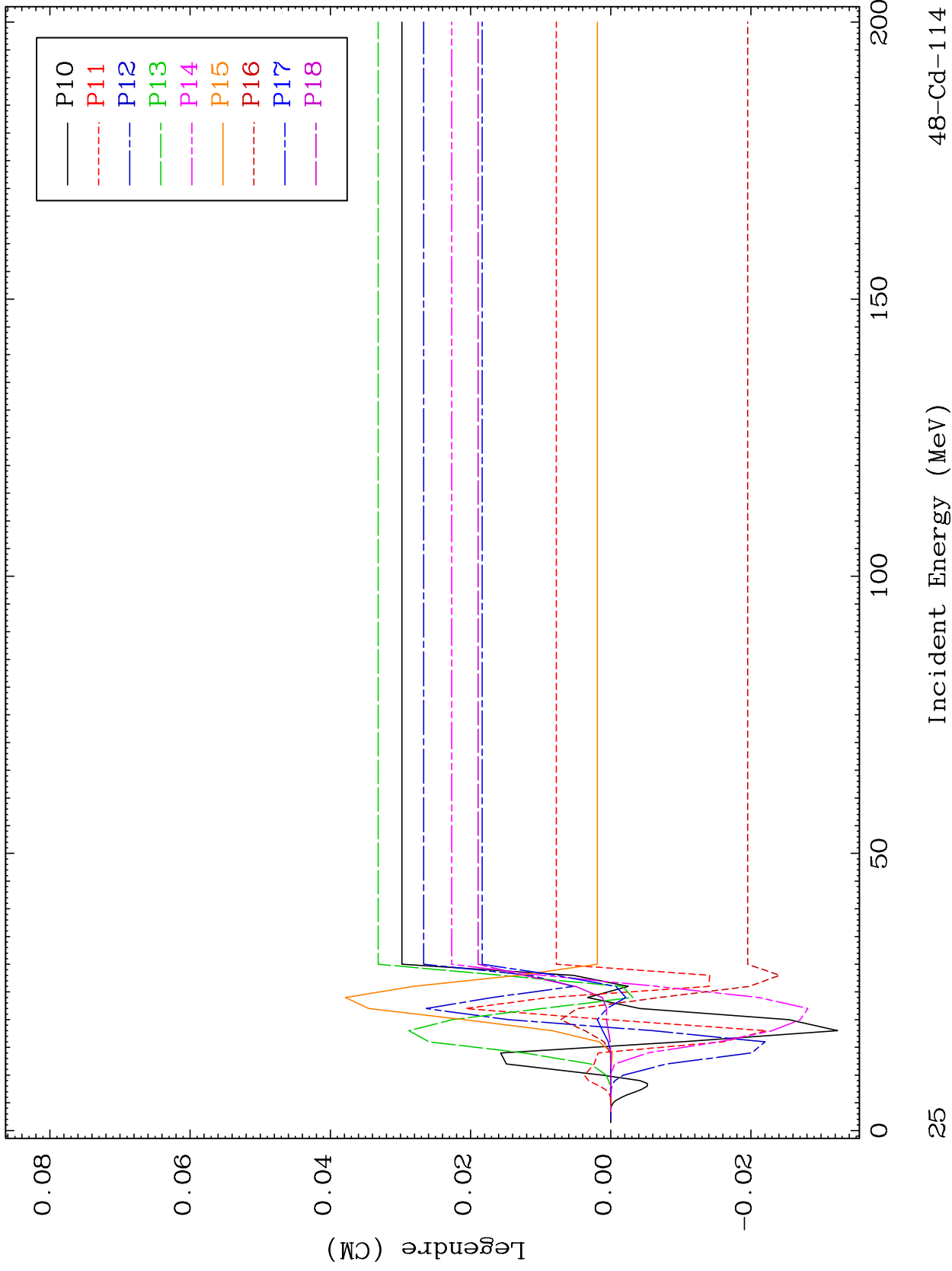
Incident Energy (MeV)

24

MAT 4849

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

48-Cd-114



48-Cd-114

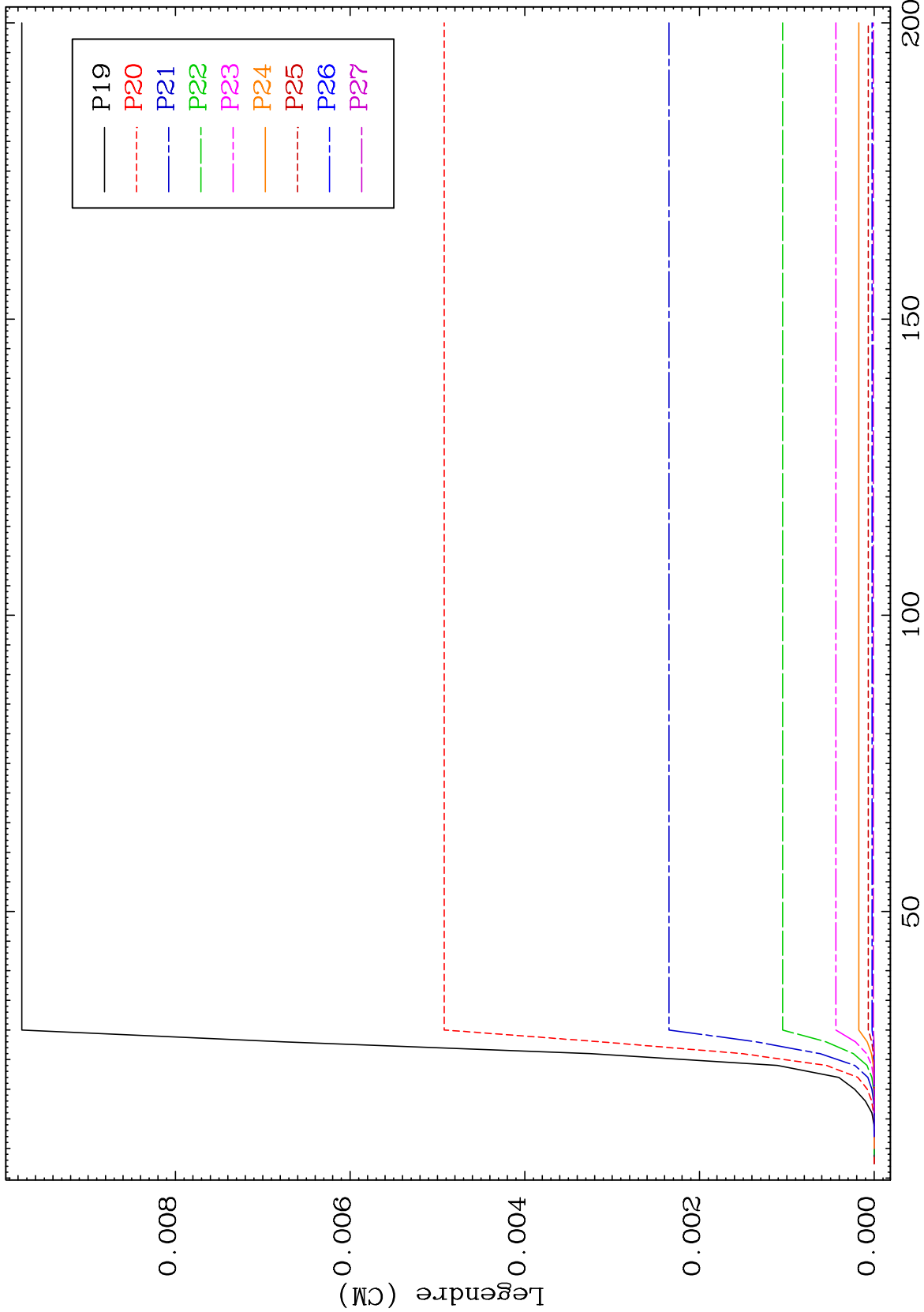
Incident Energy (MeV)

25

MAT 4849

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

48-Cd-114



26

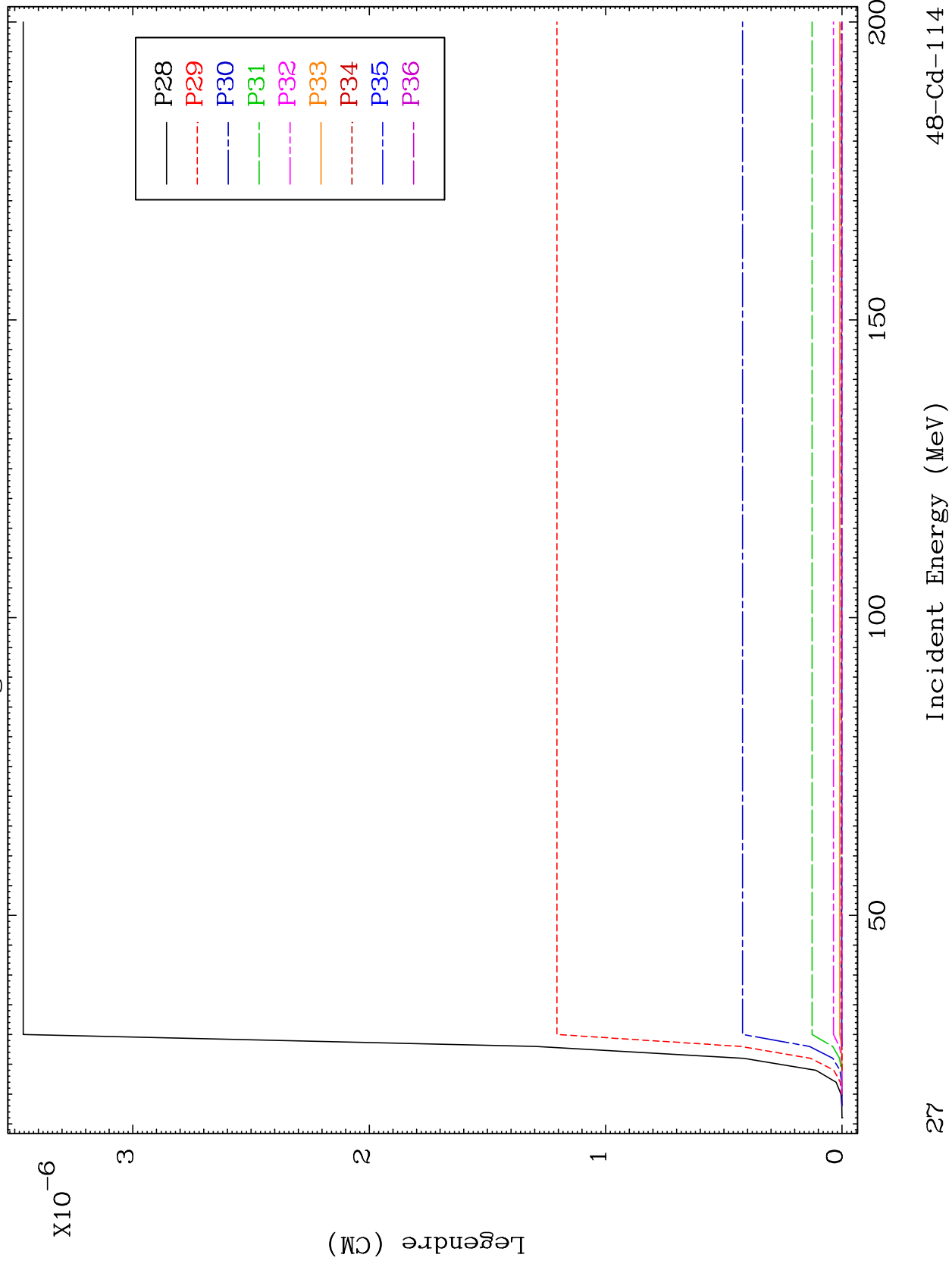
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

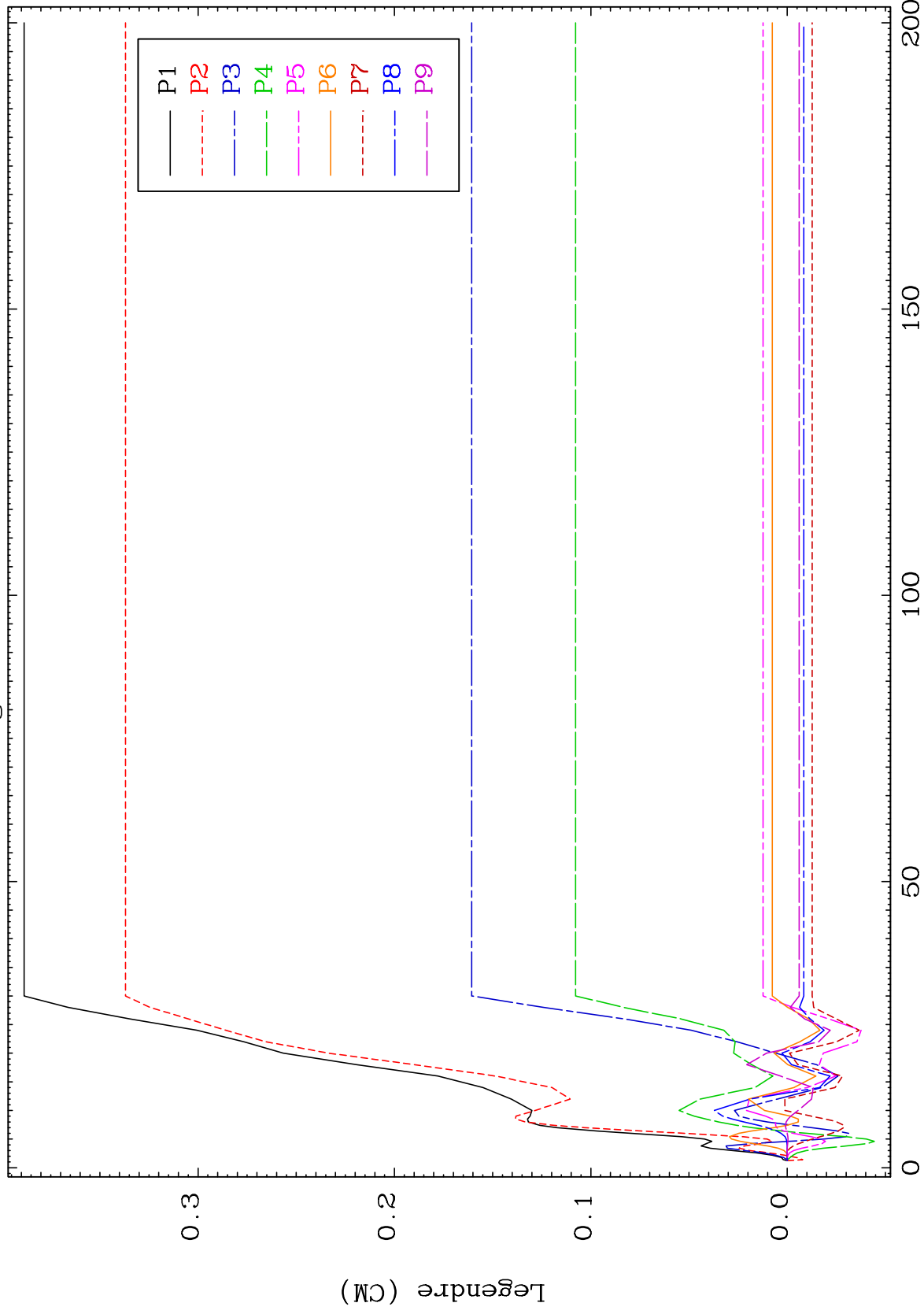
48-Cd-114



MAT 4849

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

48-Cd-114



28

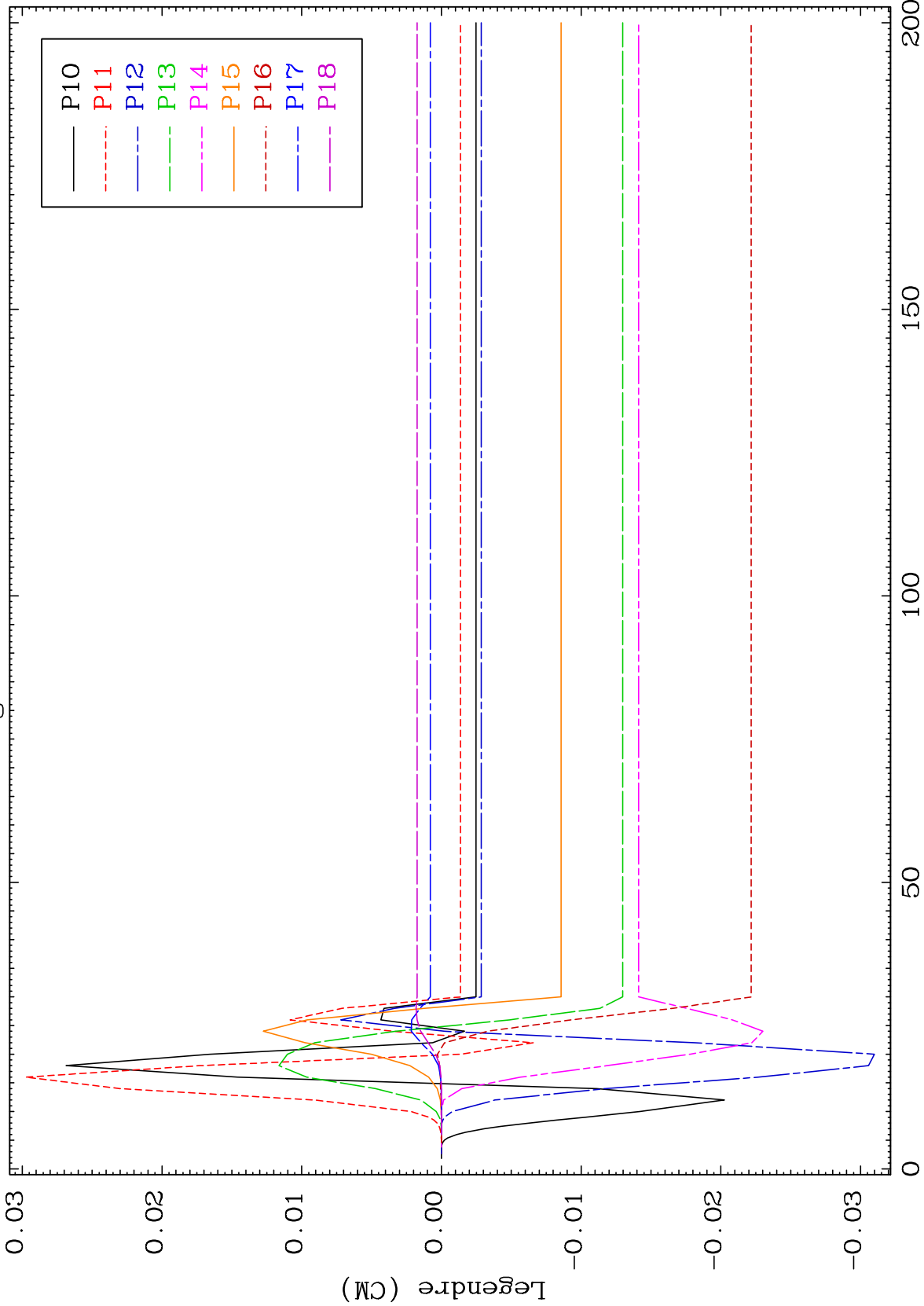
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



29

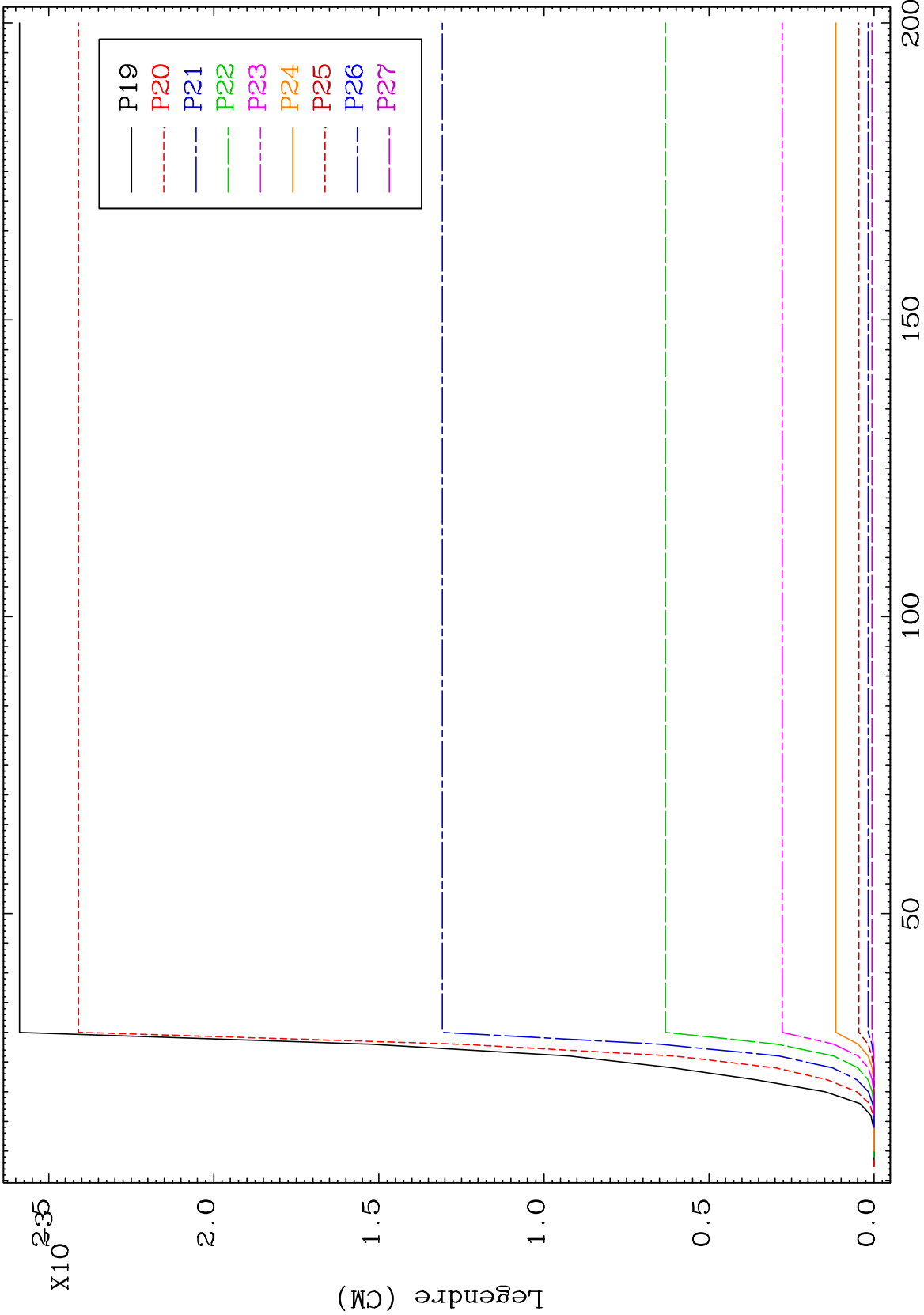
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



30

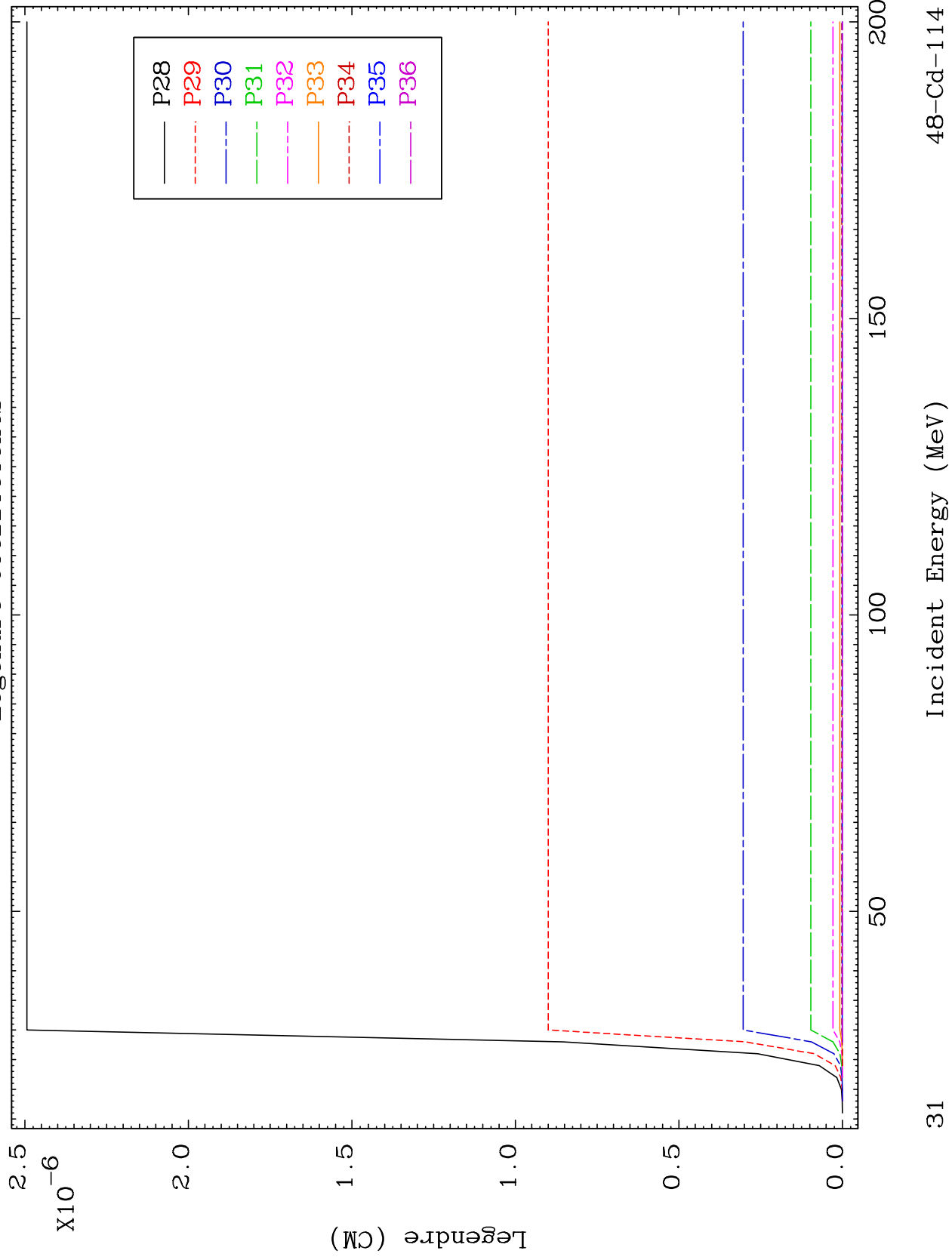
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



31

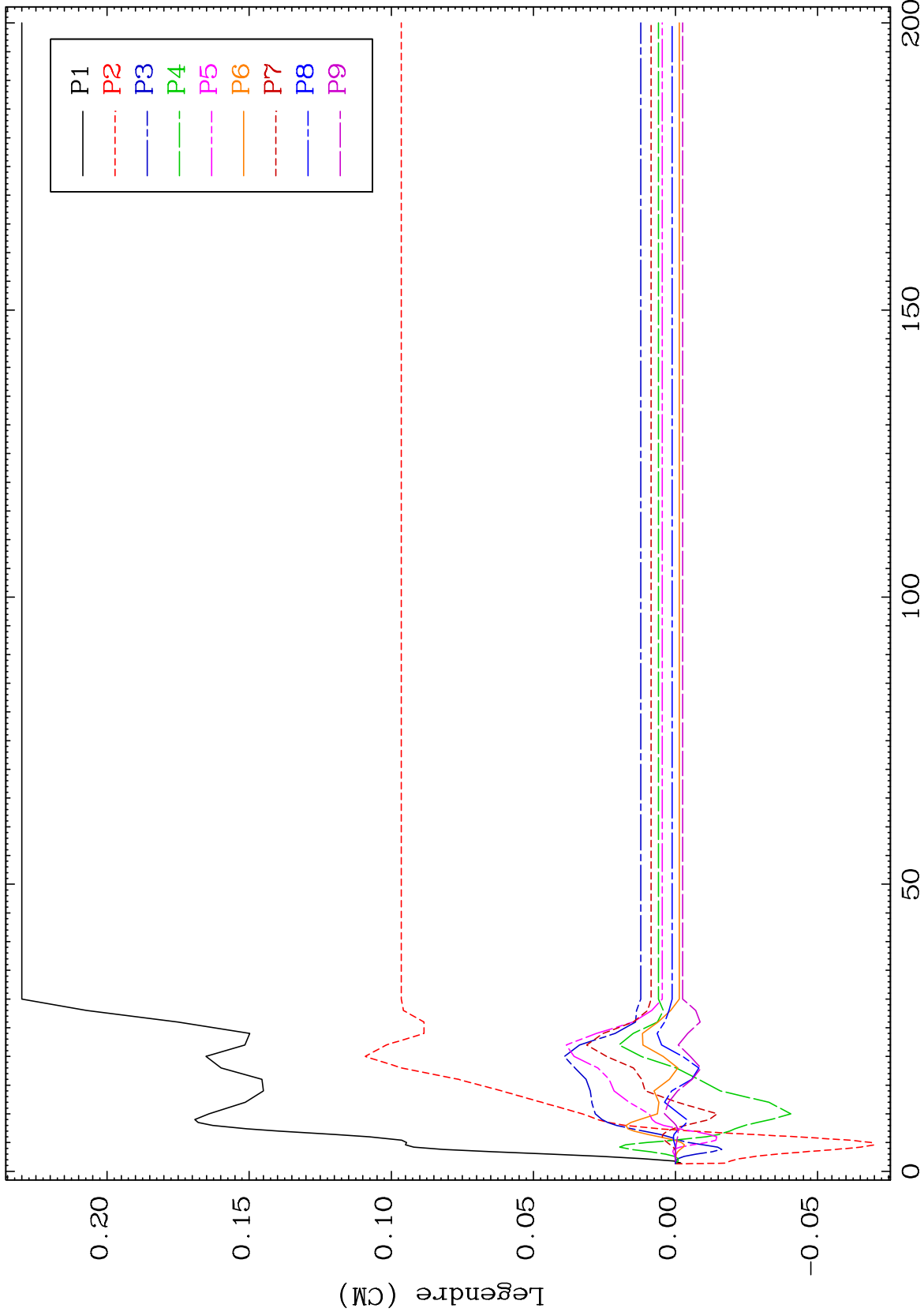
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



32

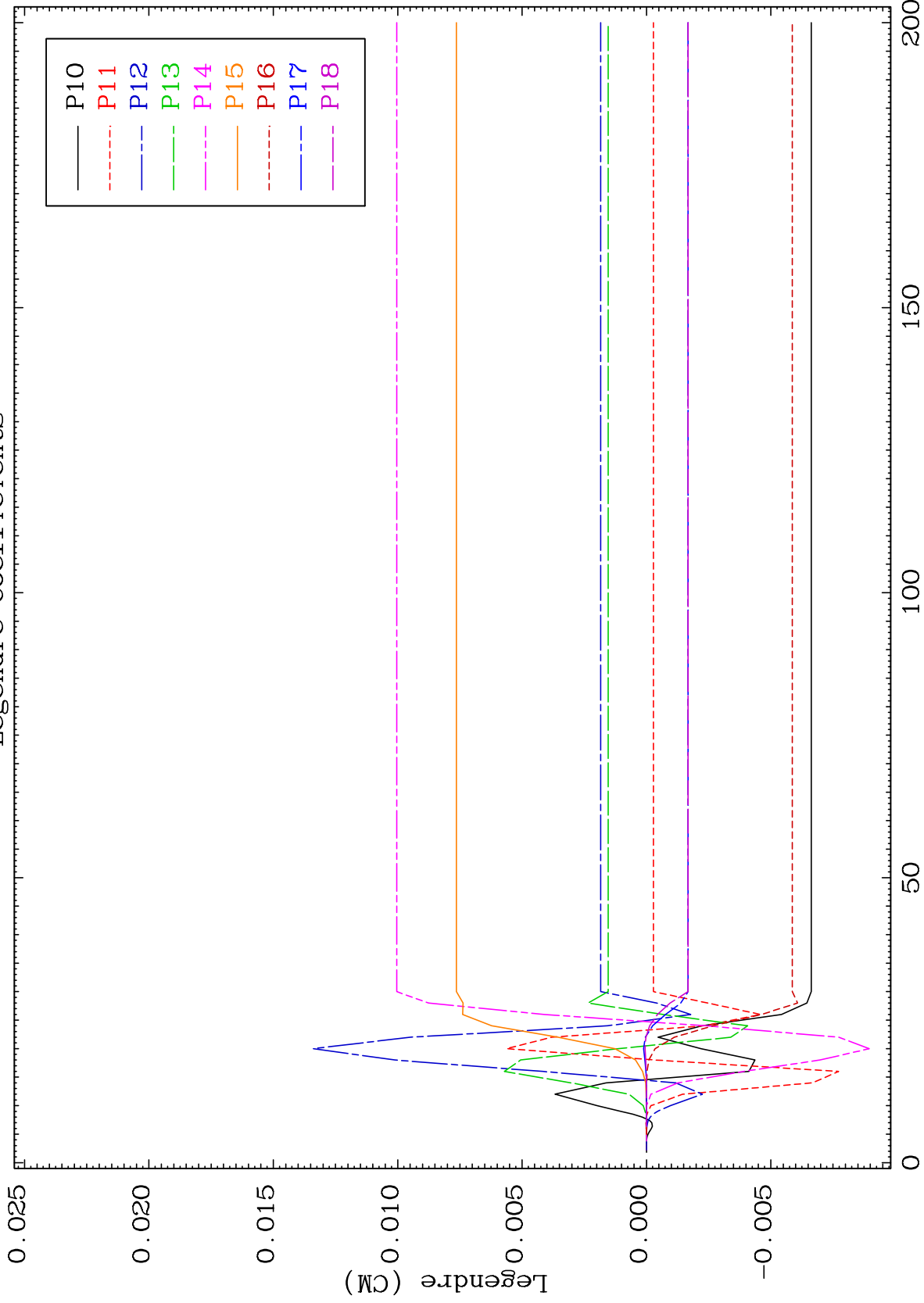
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



33

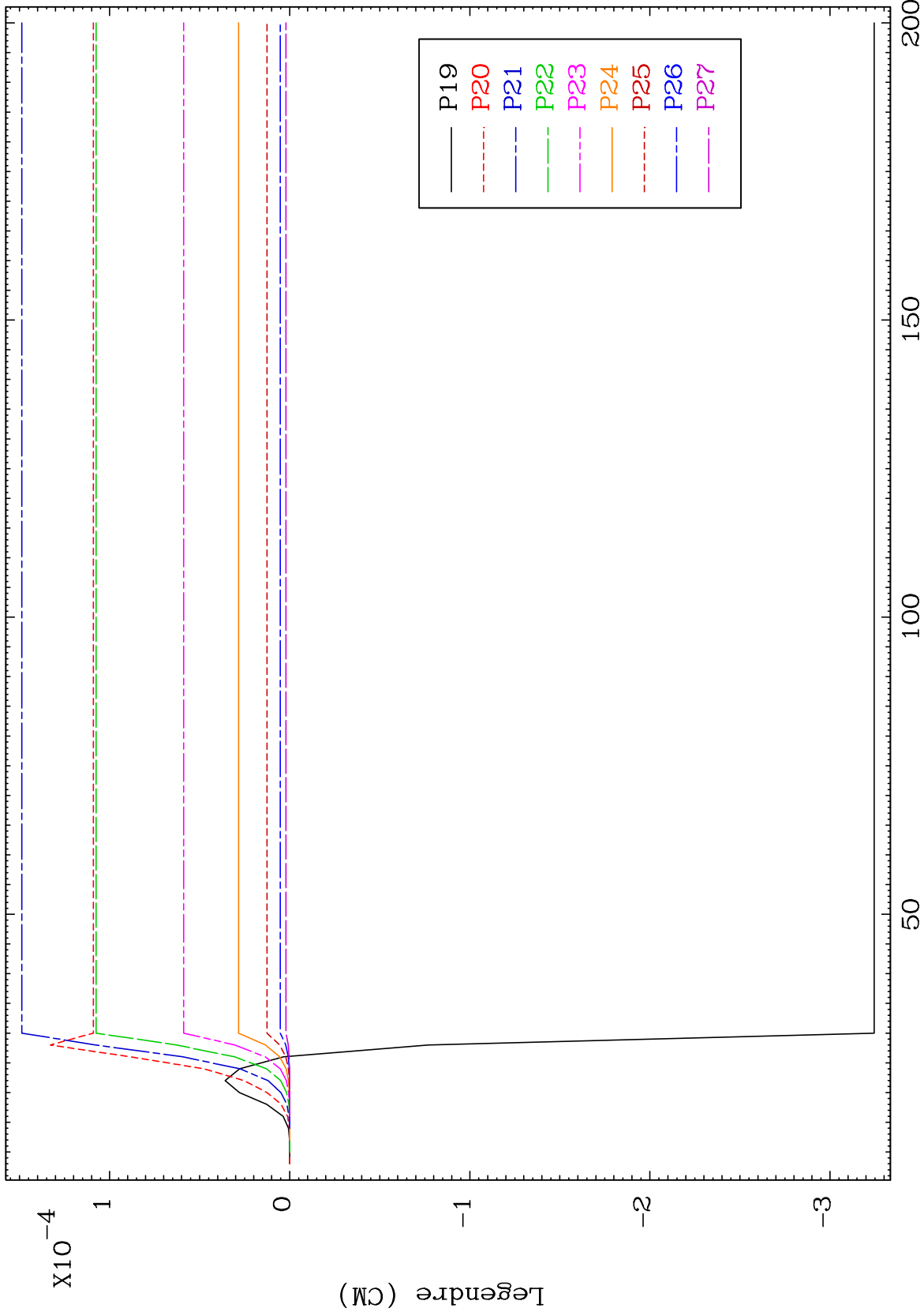
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



34

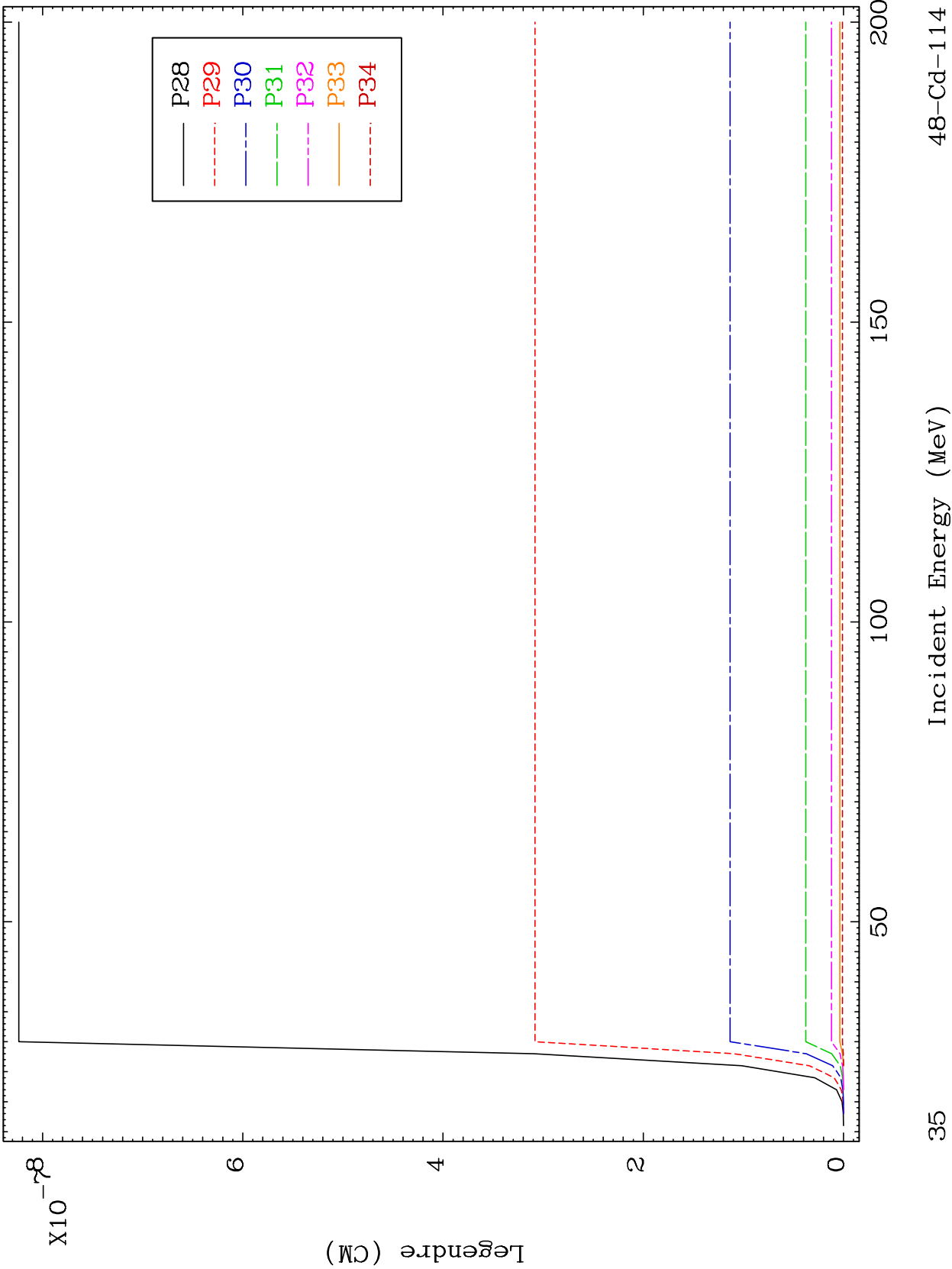
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

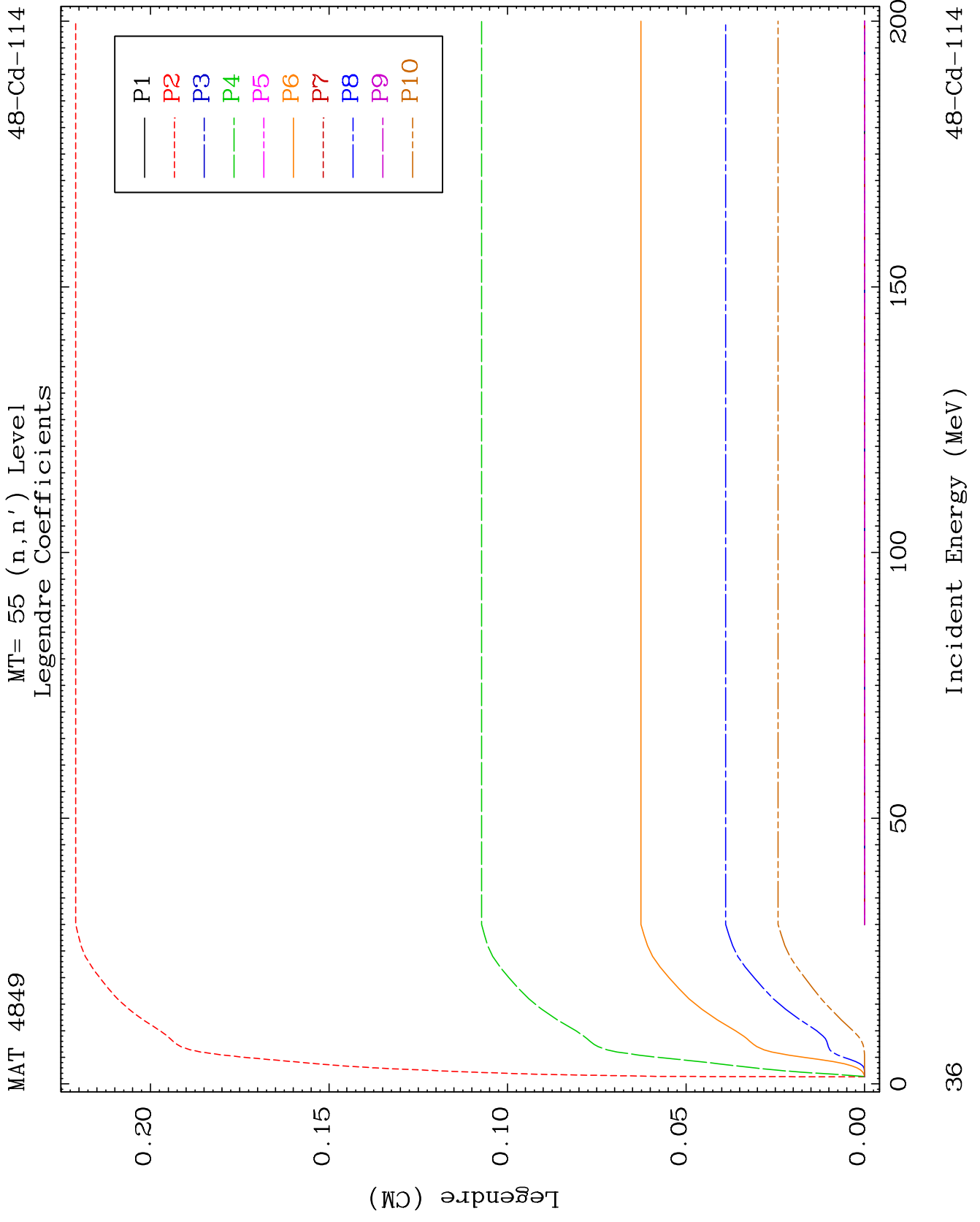
48-Cd-114

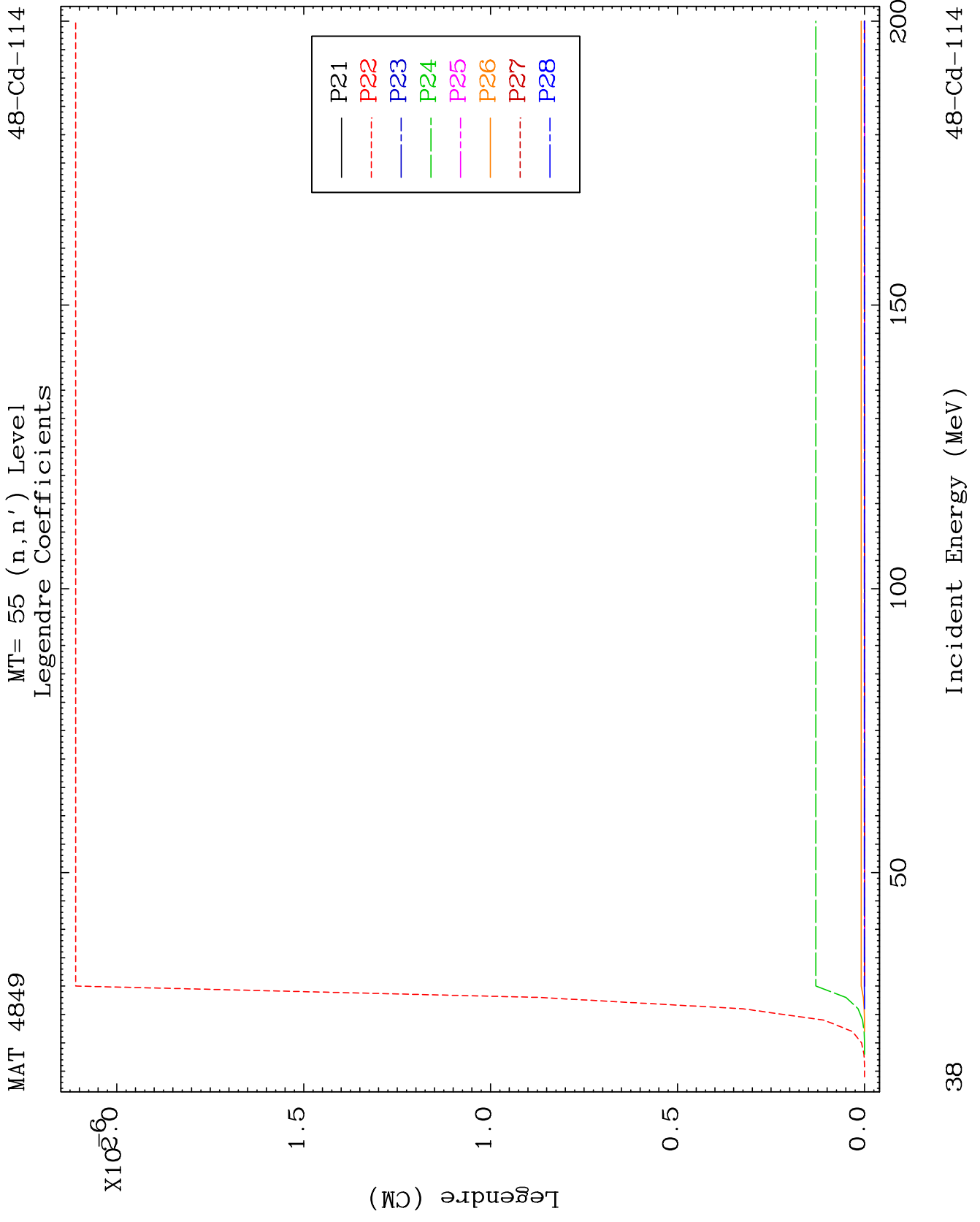


35

Incident Energy (MeV)

48-Cd-114

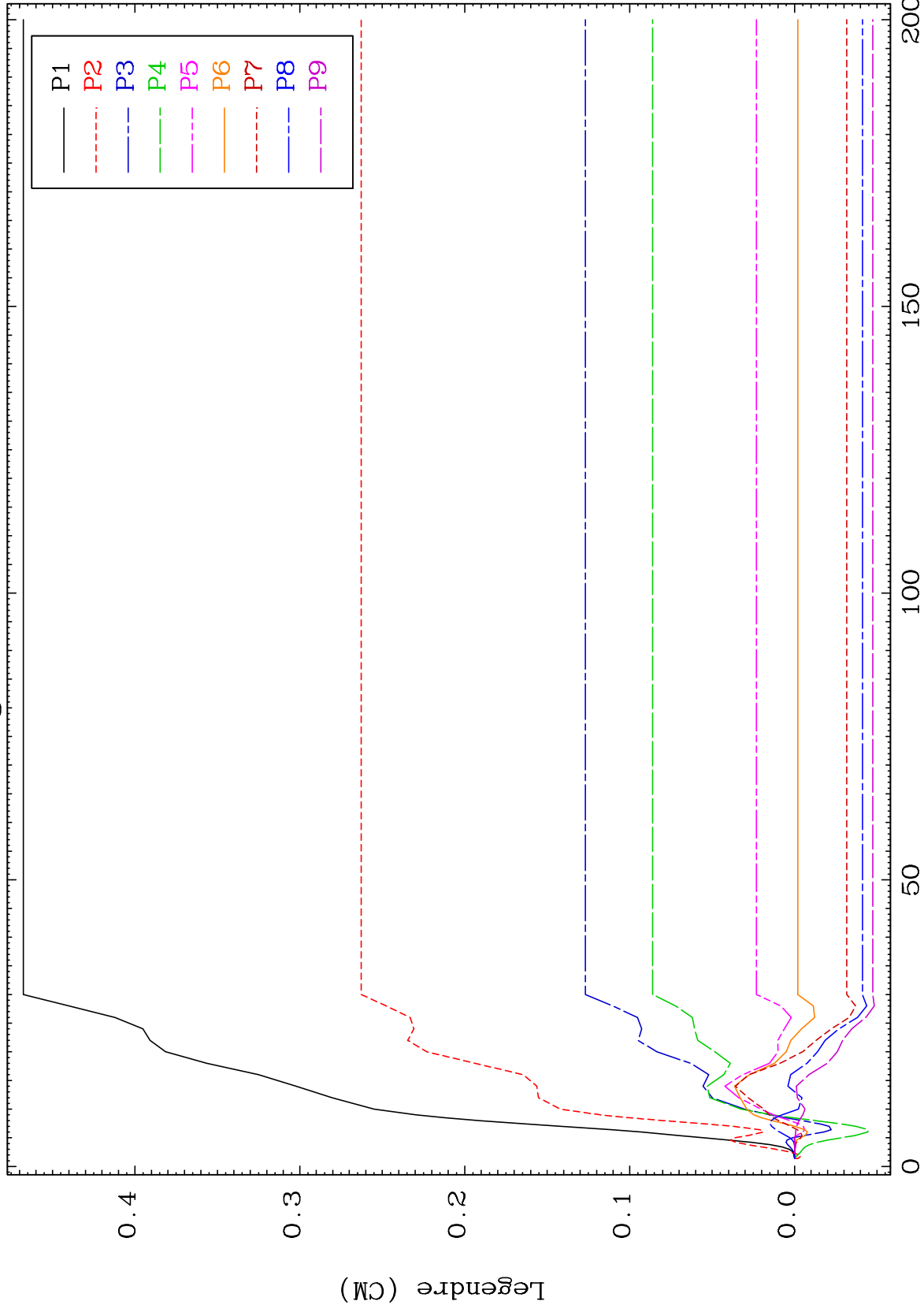




MAT 4849

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

48-Cd-114



48-Cd-114

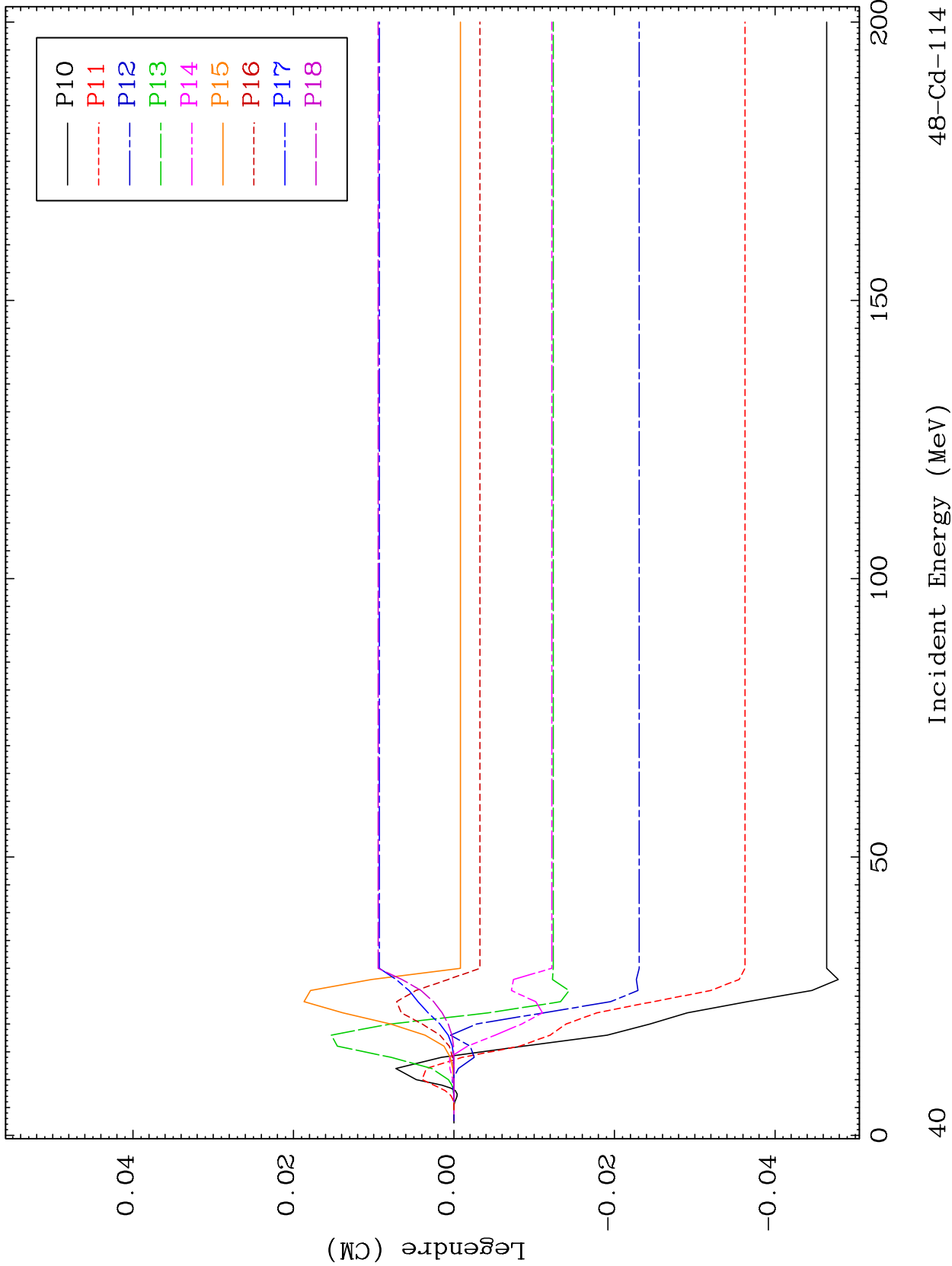
Incident Energy (MeV)

39

MAT 4849

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

48-Cd-114

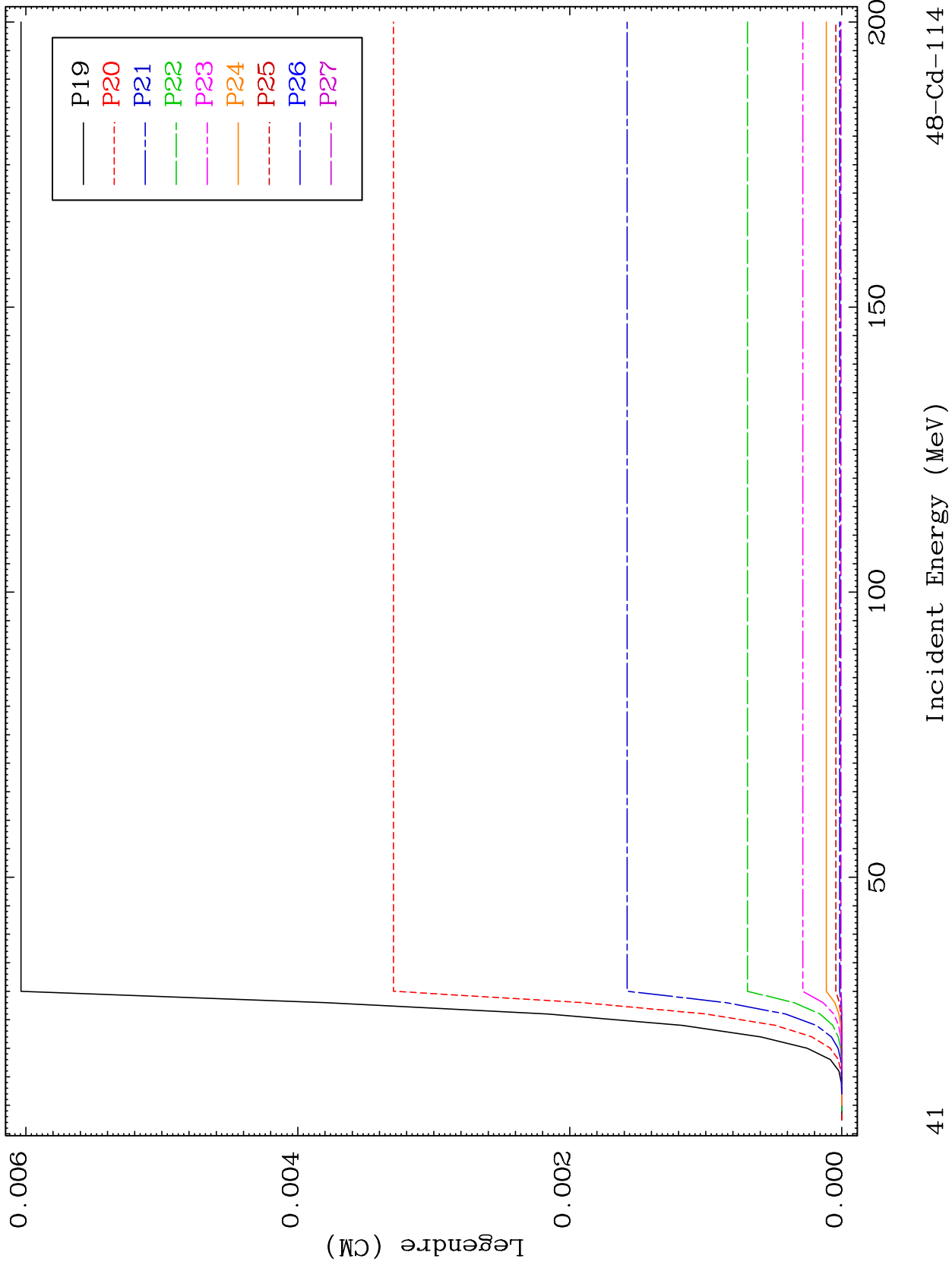


48-Cd-114

MAT 4849

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

48-Cd-114



41

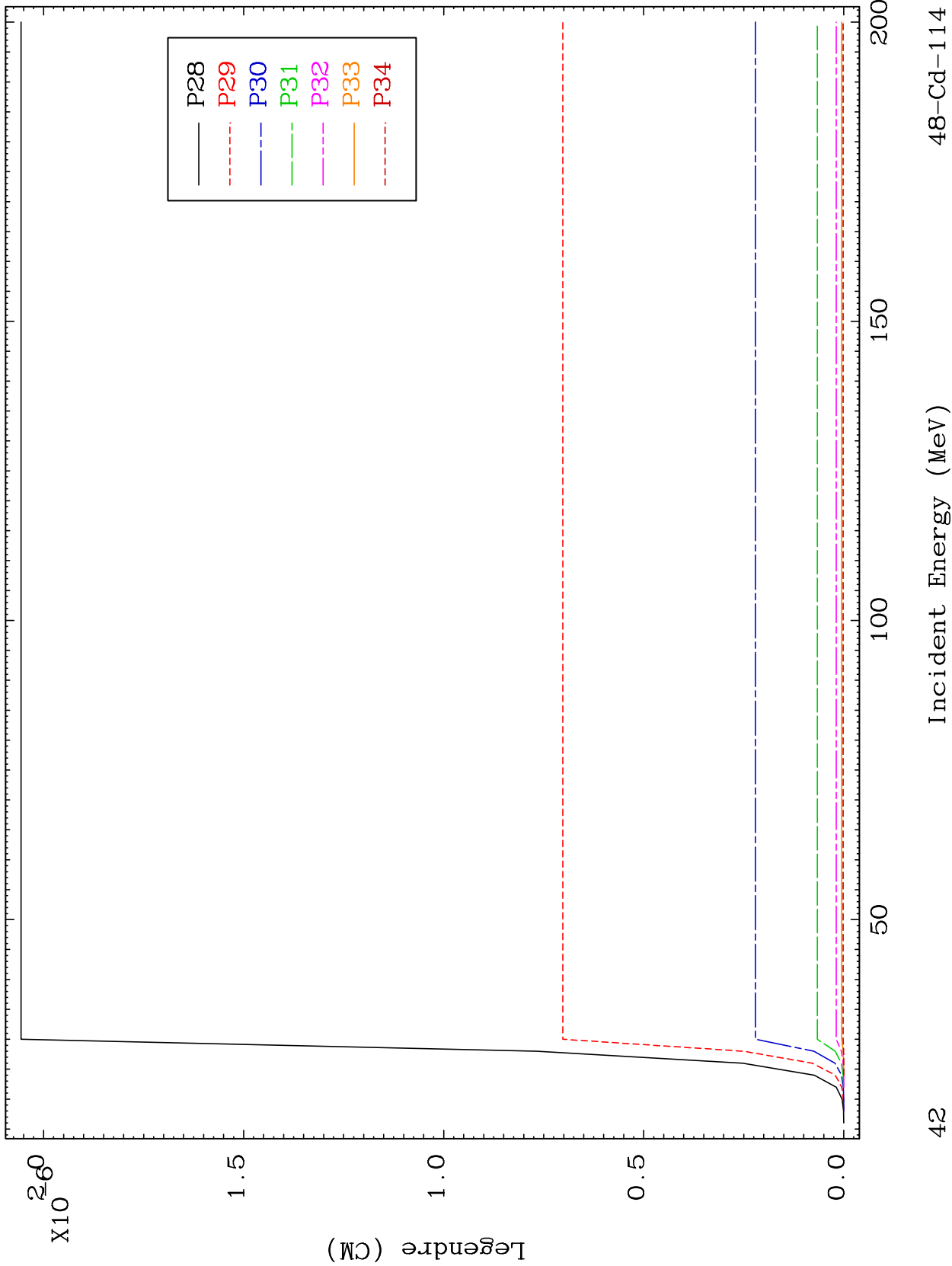
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

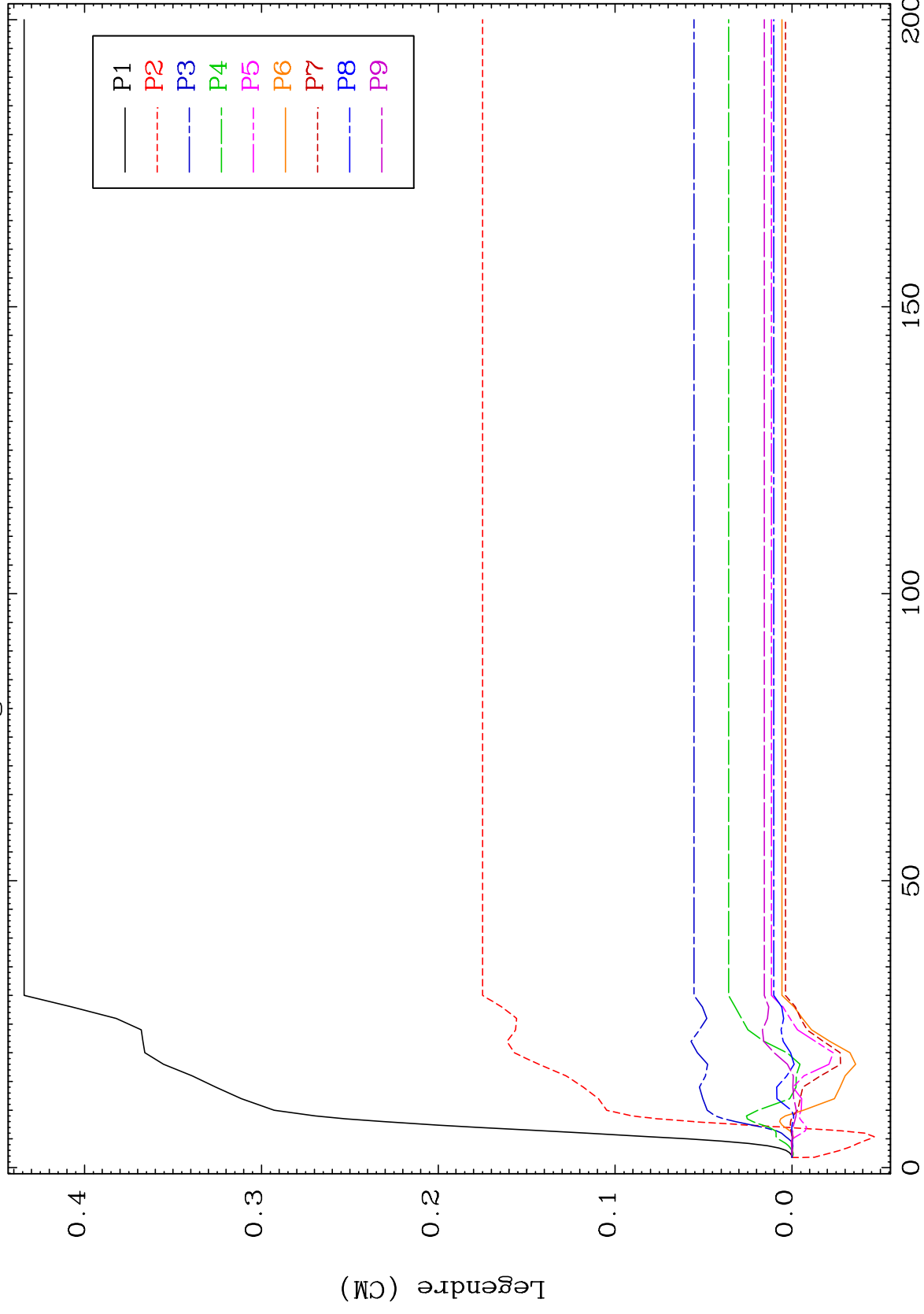
48-Cd-114



MAT 4849

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

48-Cd-114



43

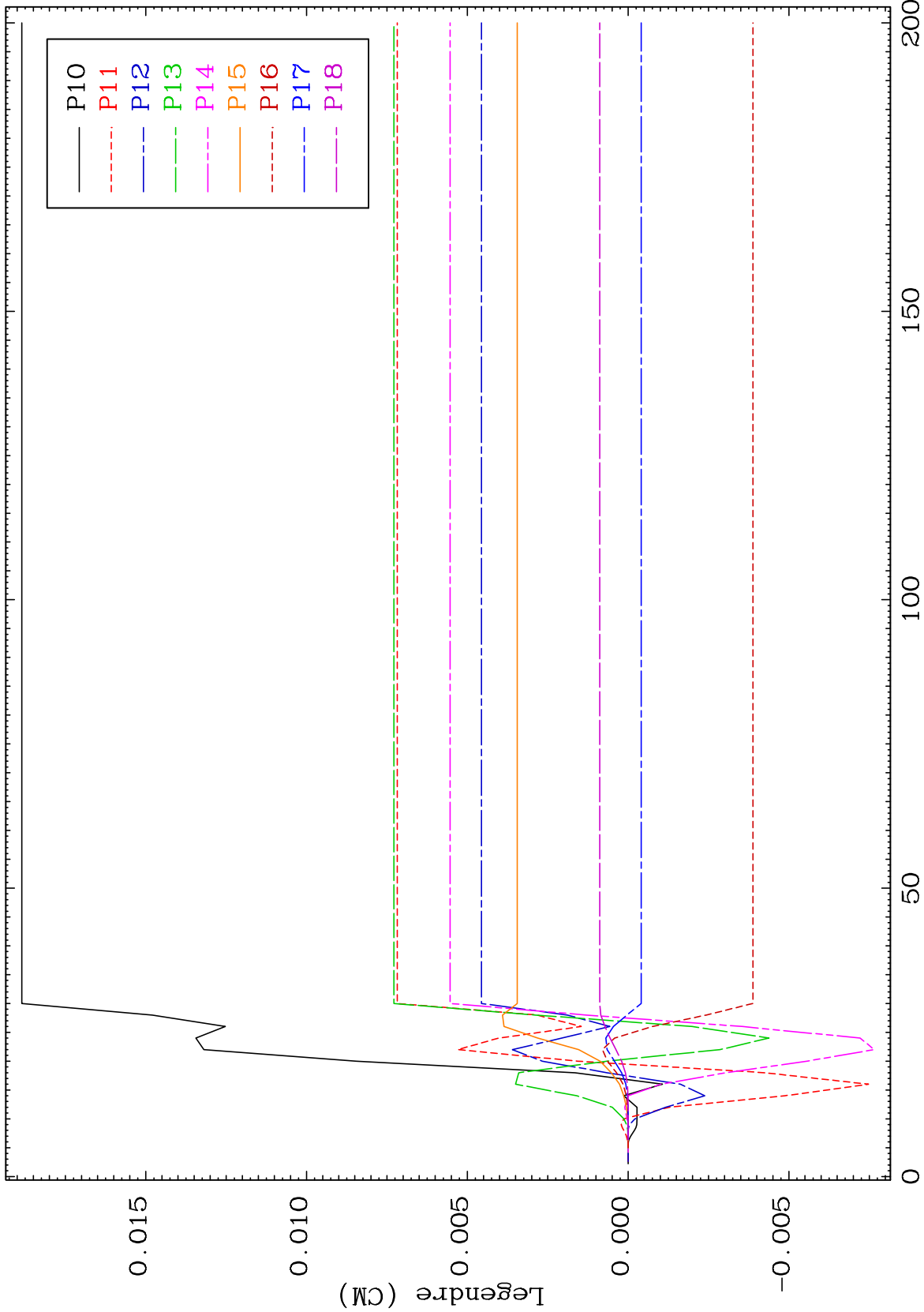
48-Cd-114

48-Cd-114

MAT 4849

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

48-Cd-114



44

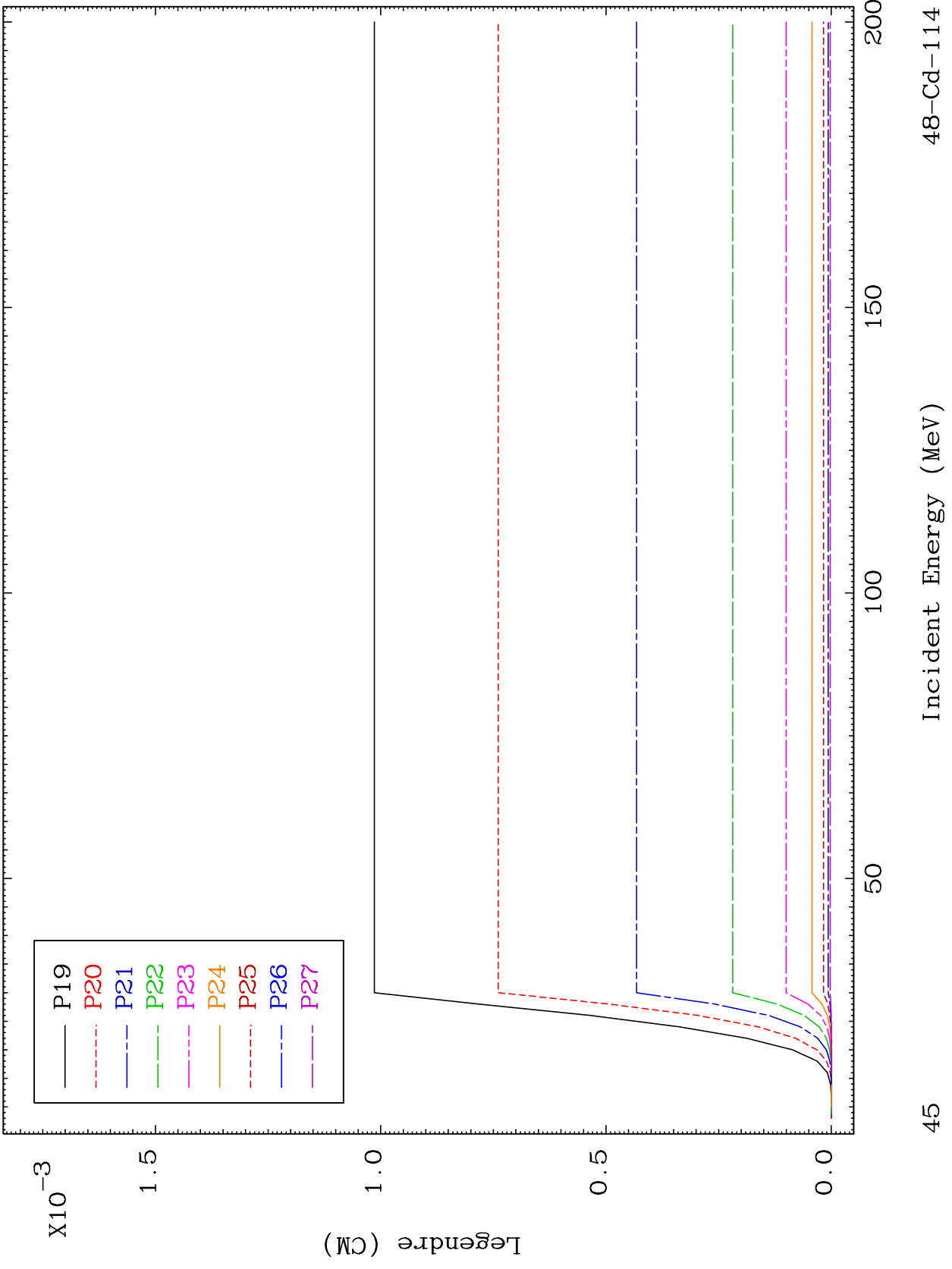
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



45

50

100

150

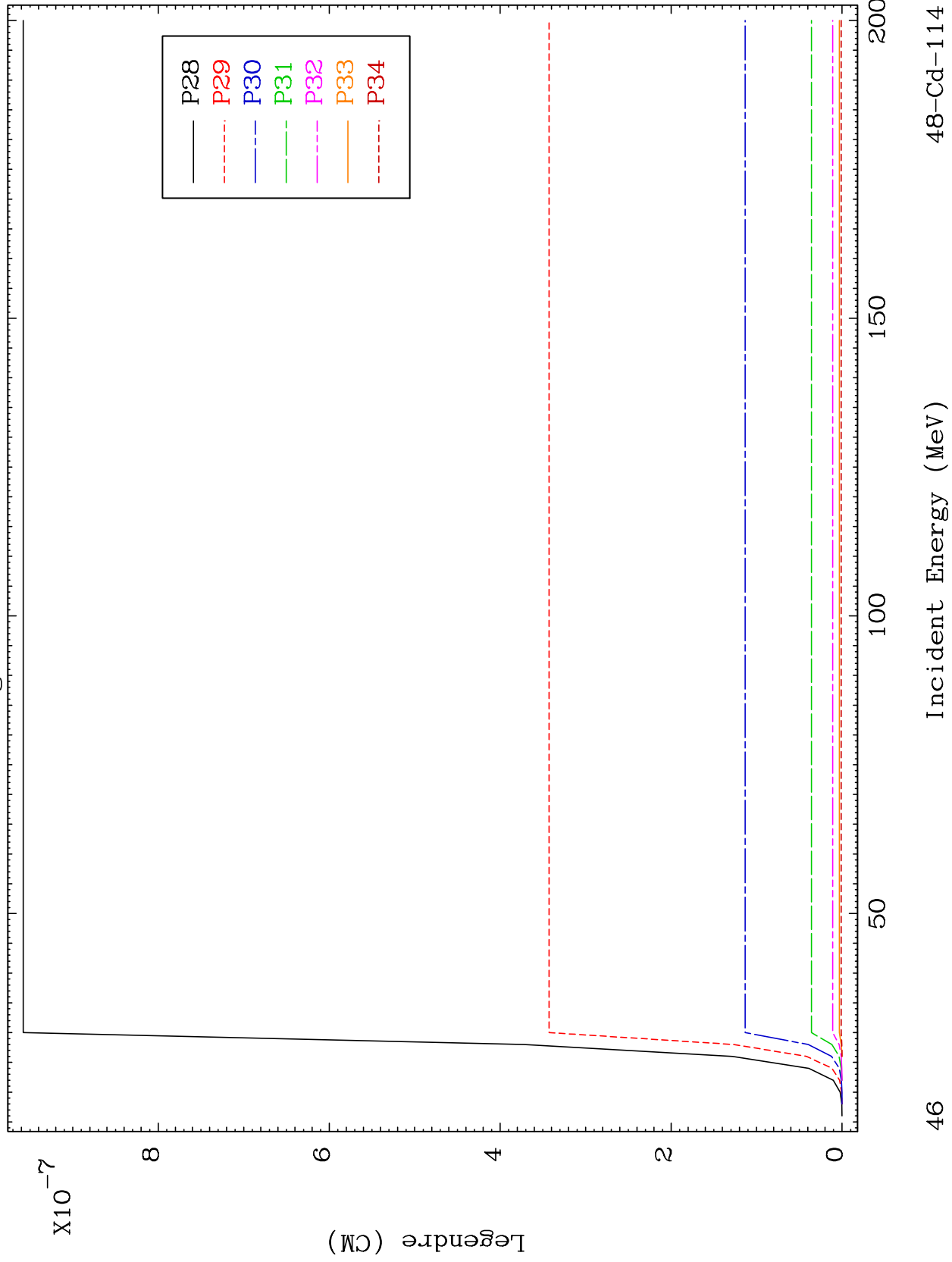
200

$\times 10^{-3}$

MAT 4849

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

48-Cd-114



46

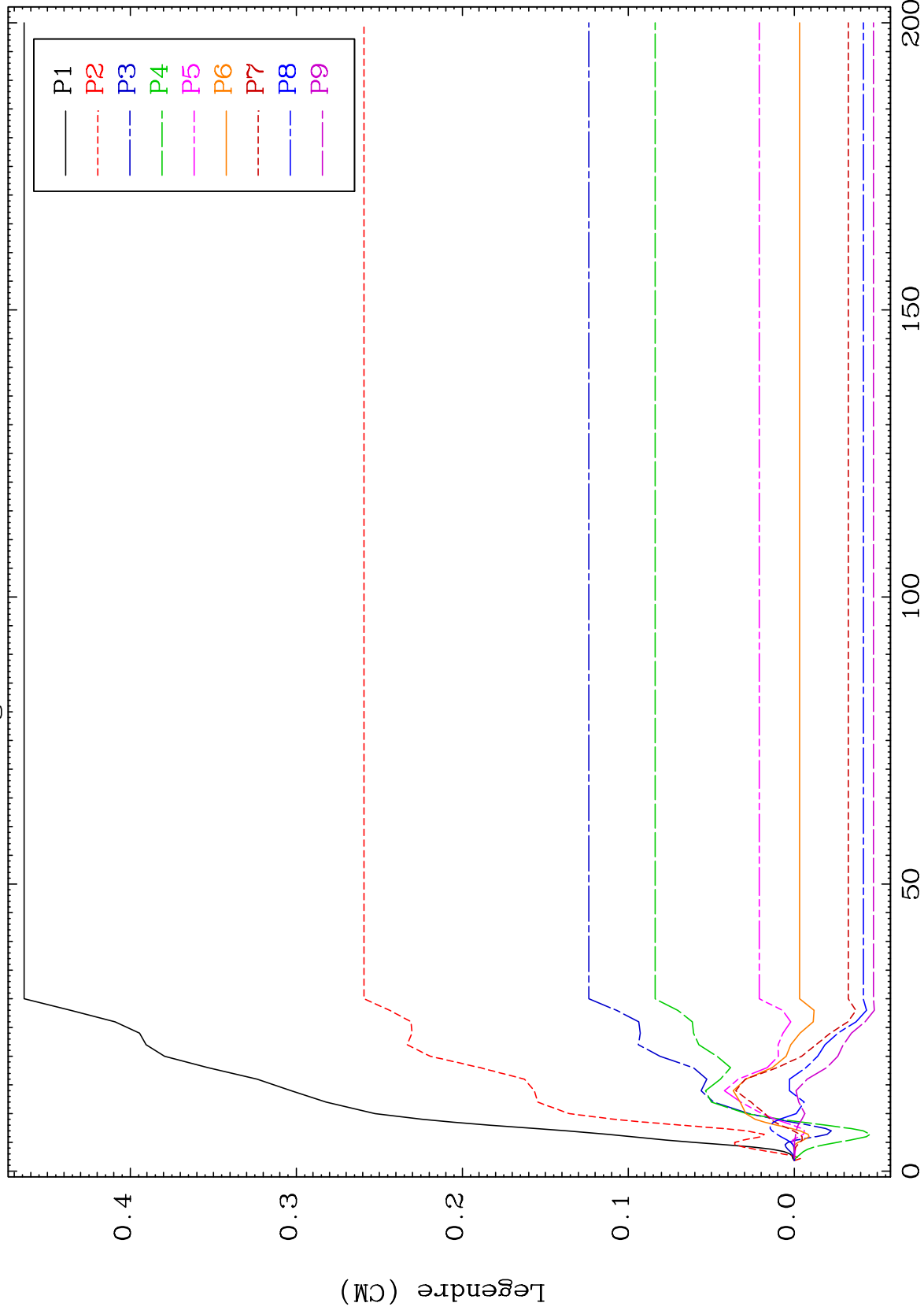
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



48-Cd-114

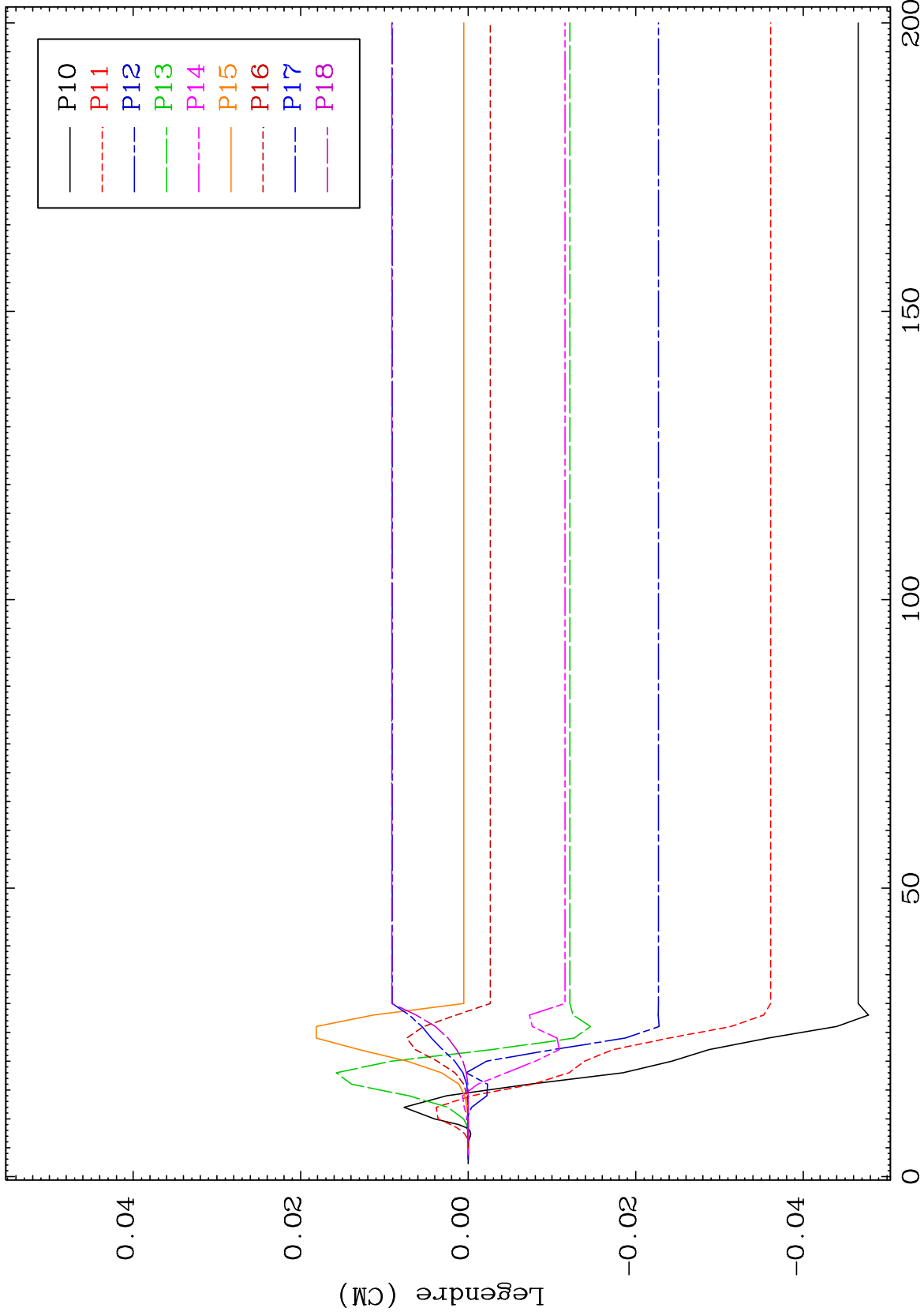
Incident Energy (MeV)

47

MAT 4849

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

48-Cd-114



48

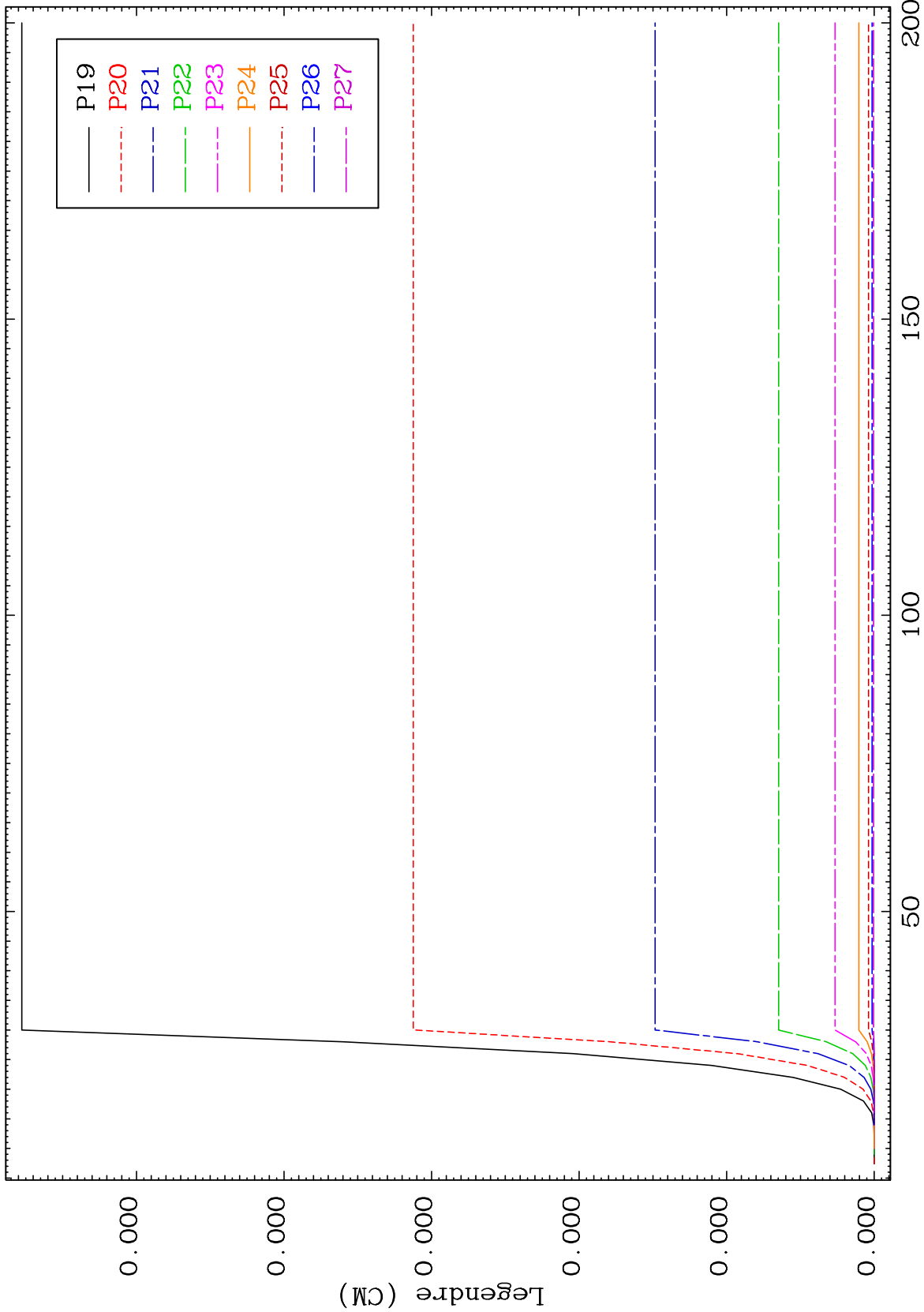
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



49

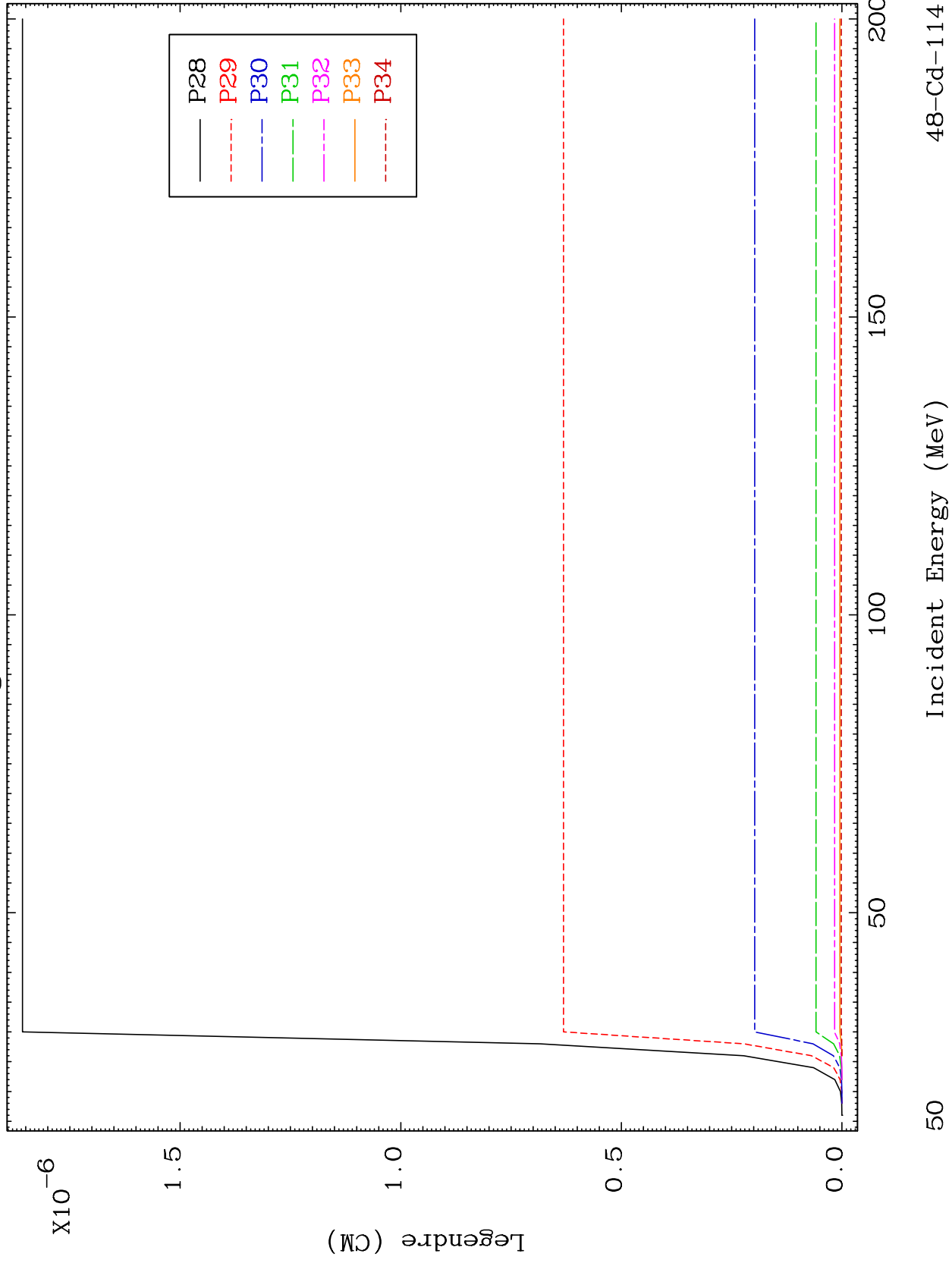
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



48-Cd-114

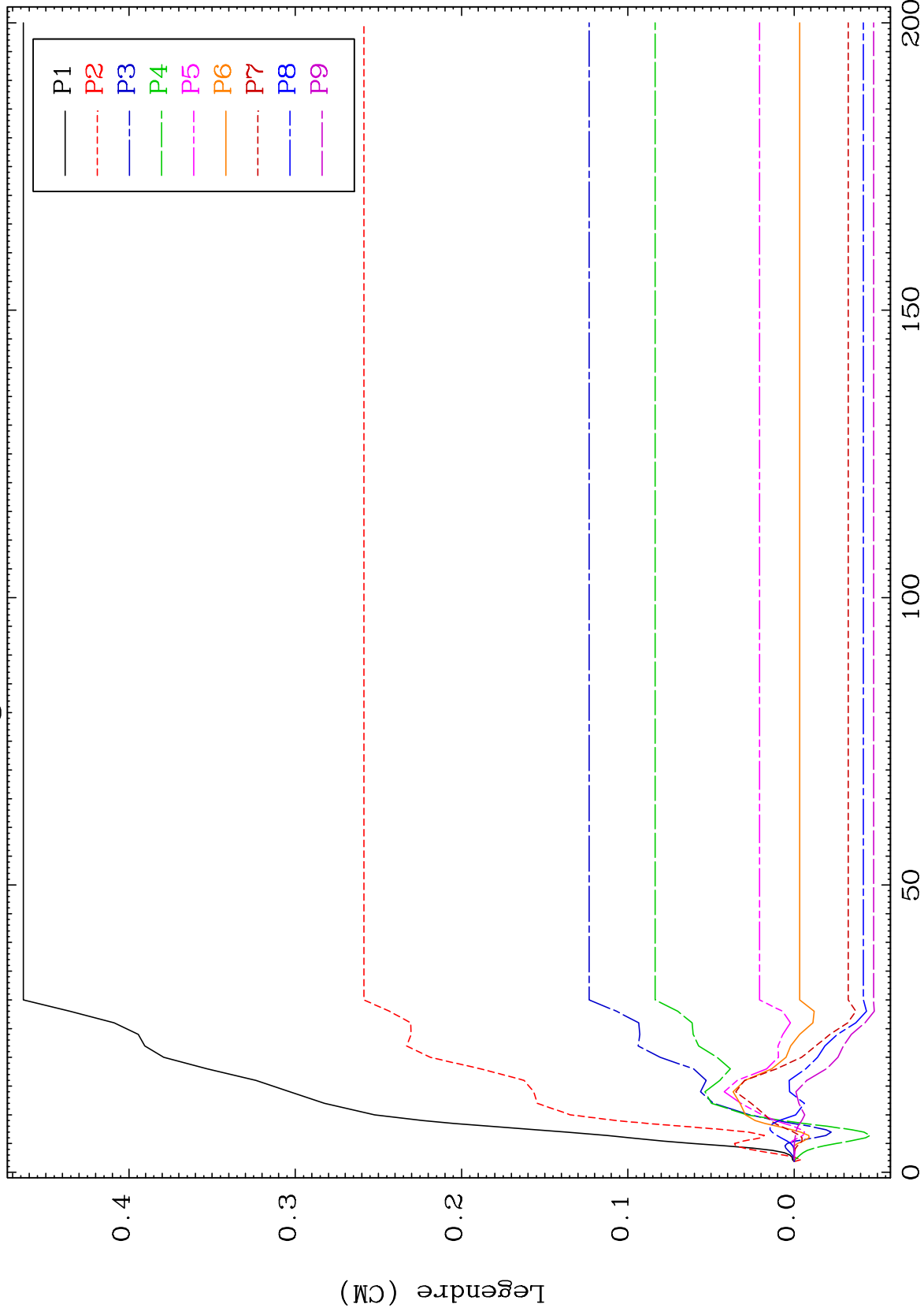
Incident Energy (MeV)

50

MAT 4849

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

48-Cd-114



51

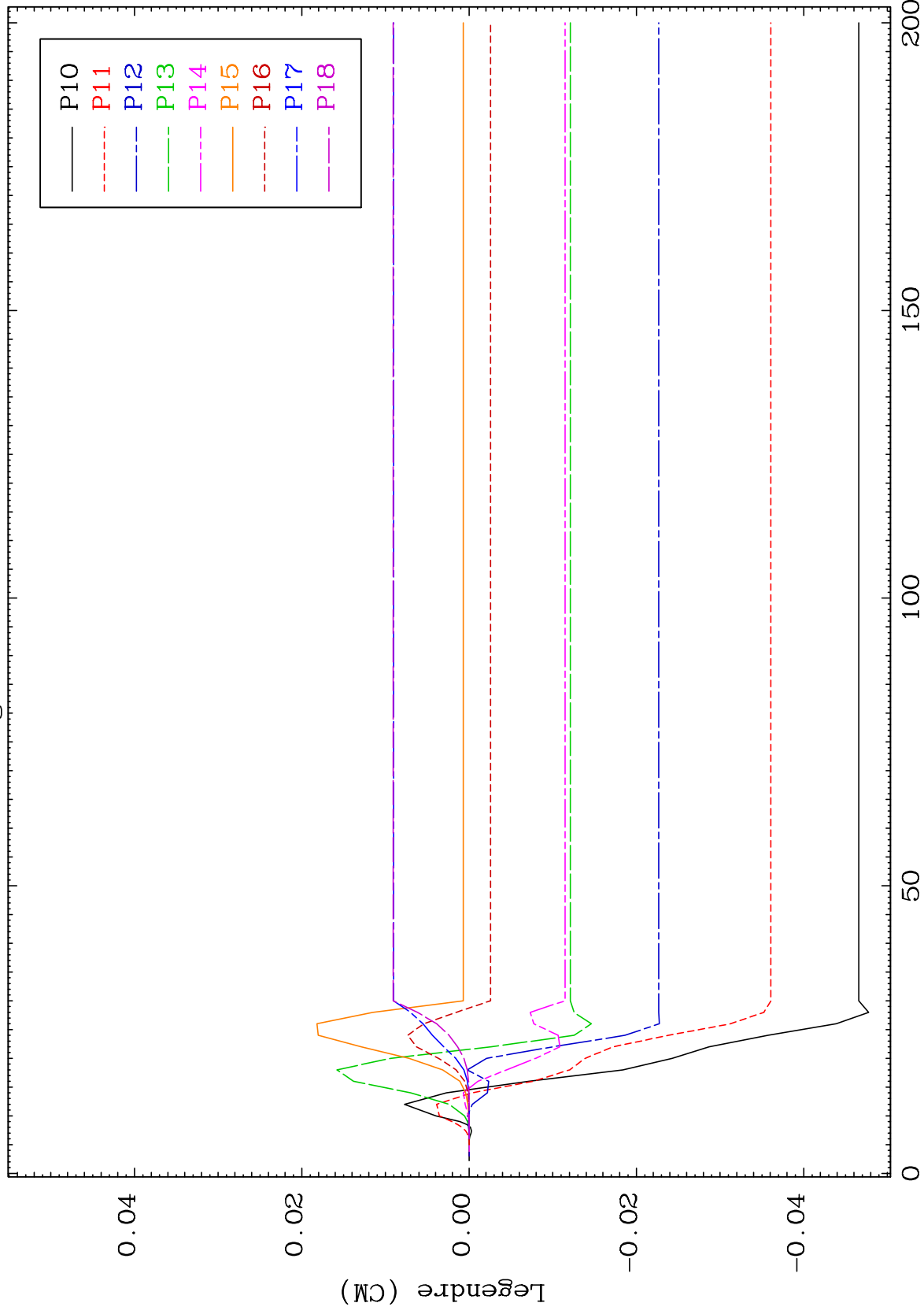
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



52

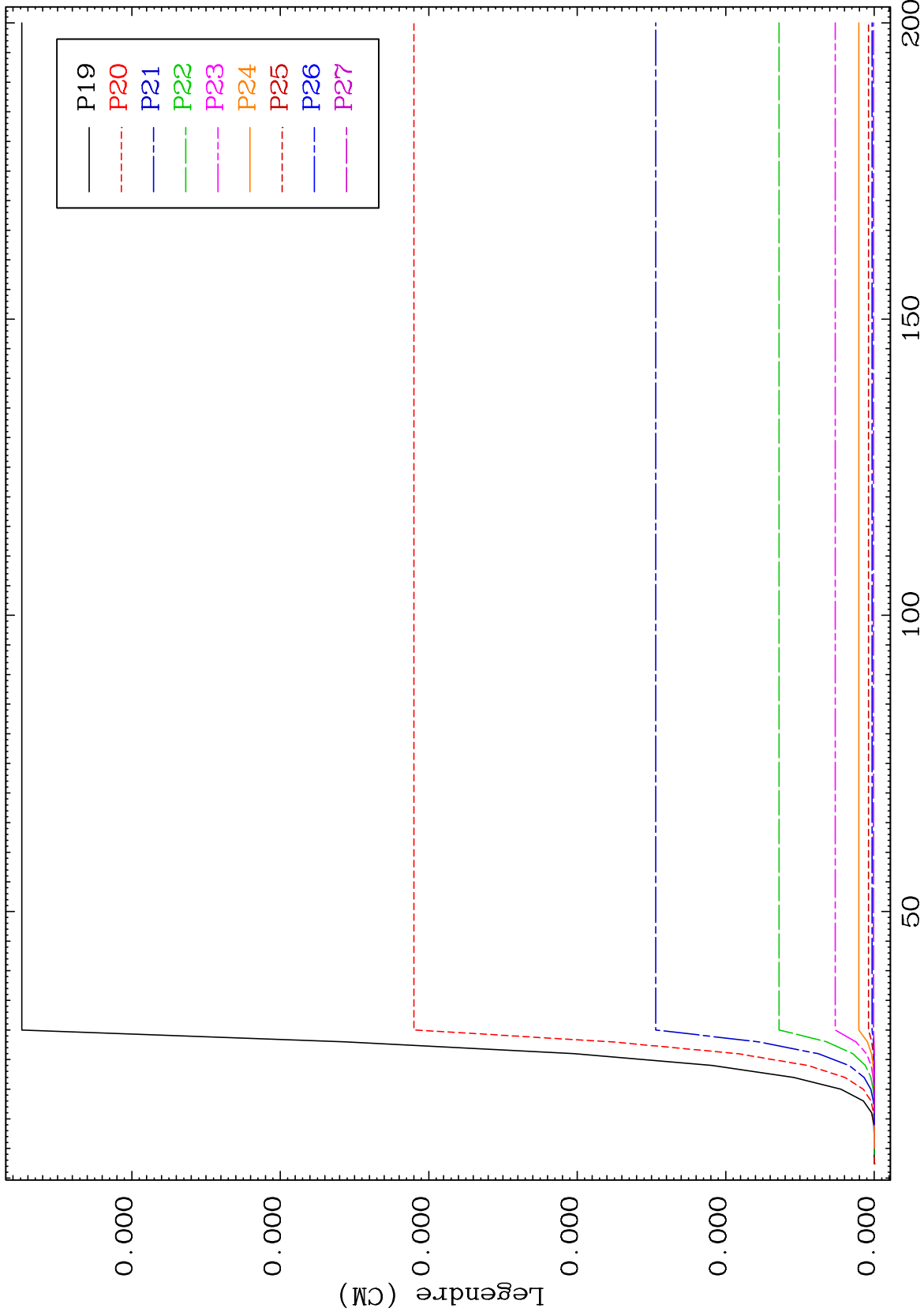
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



53

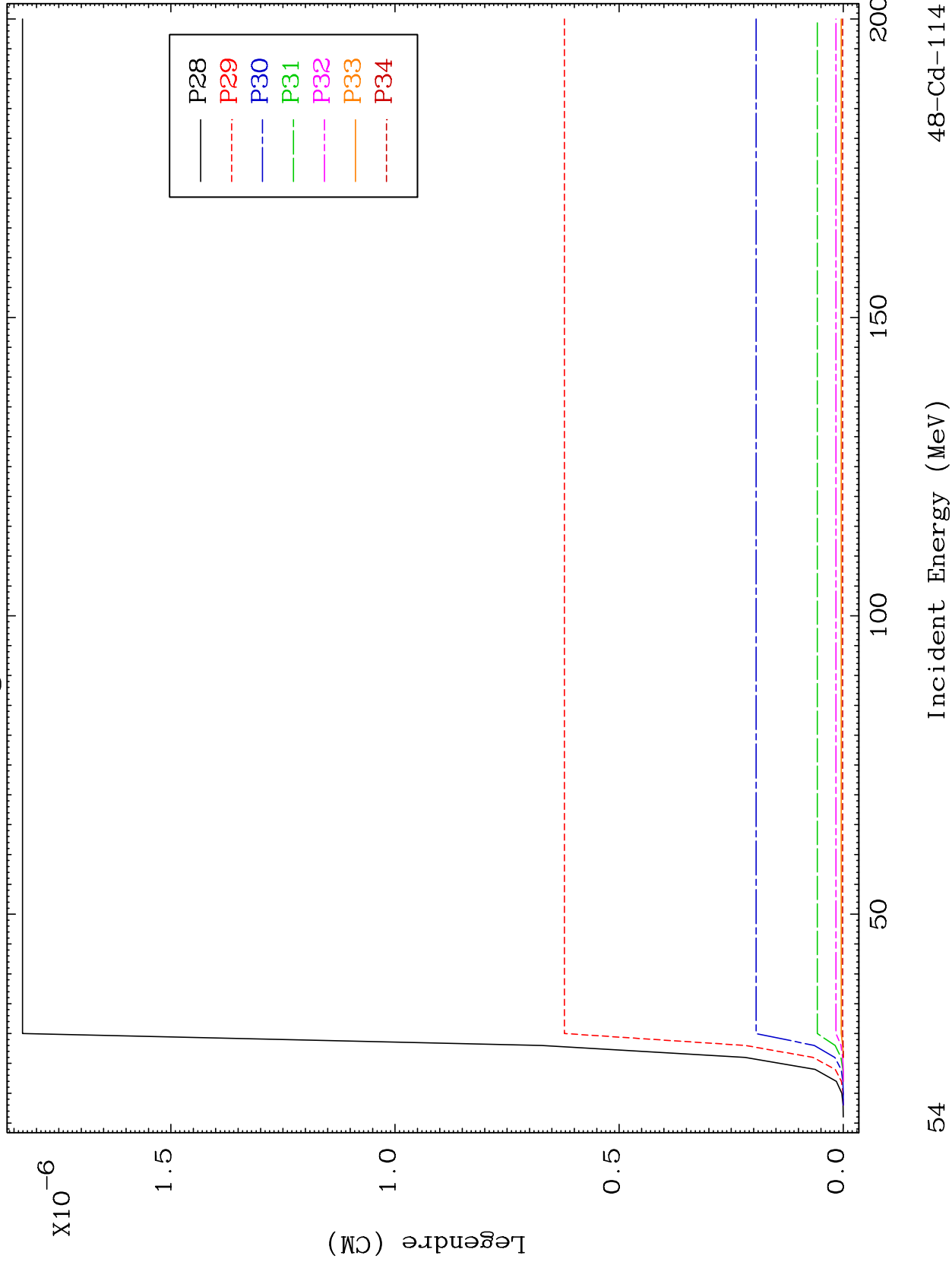
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114

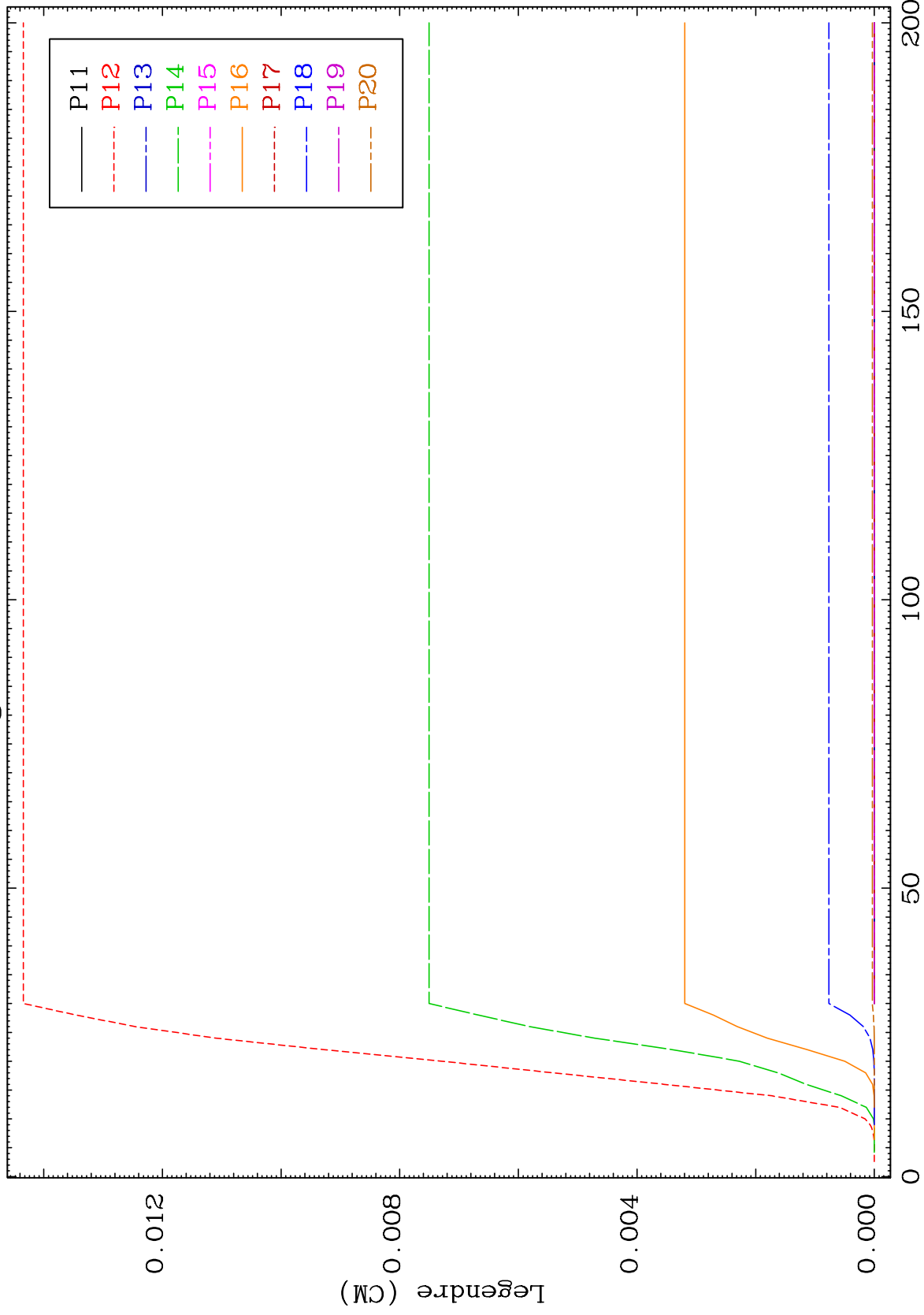


54

MAT 4849

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

48-Cd-114



56

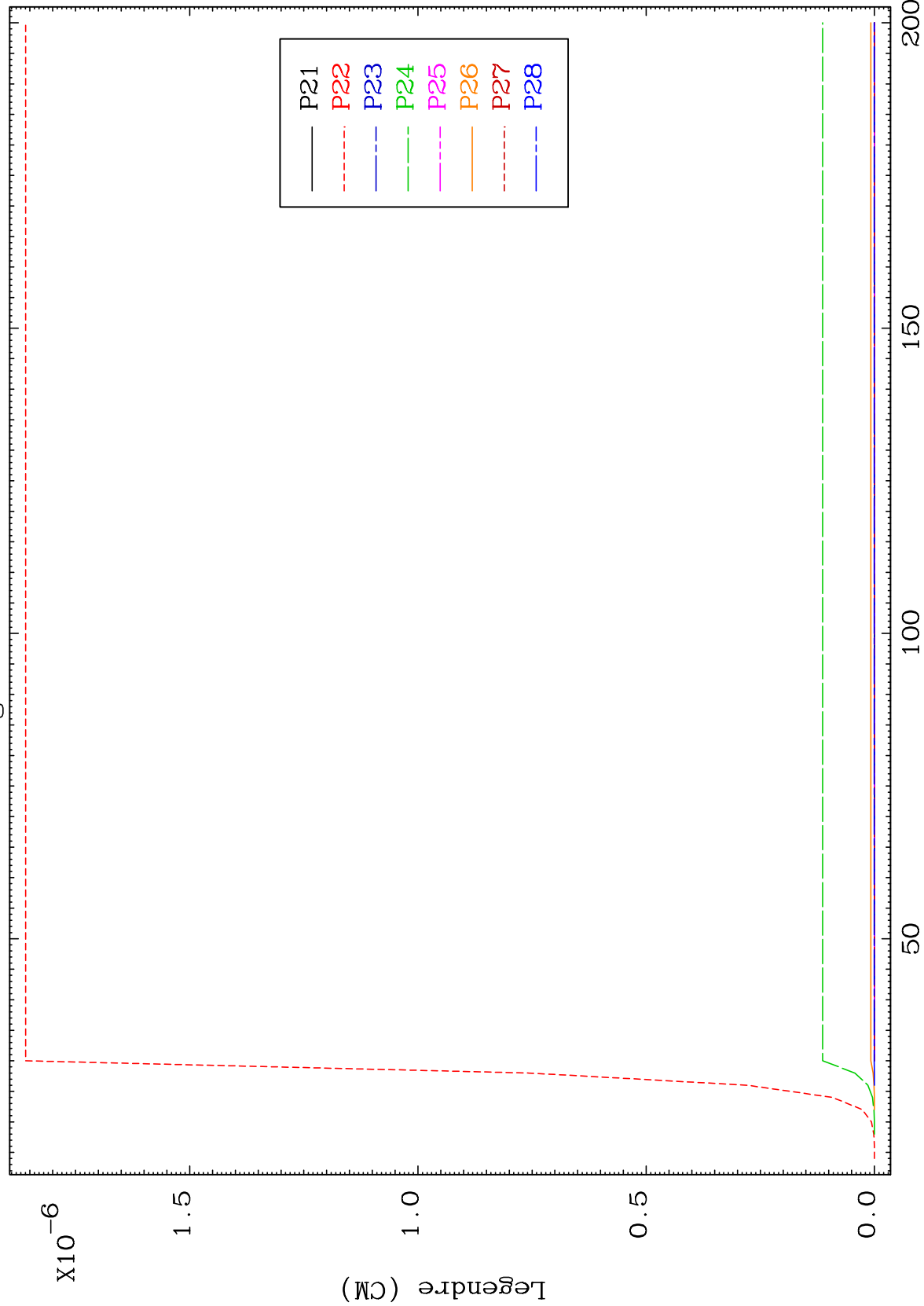
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



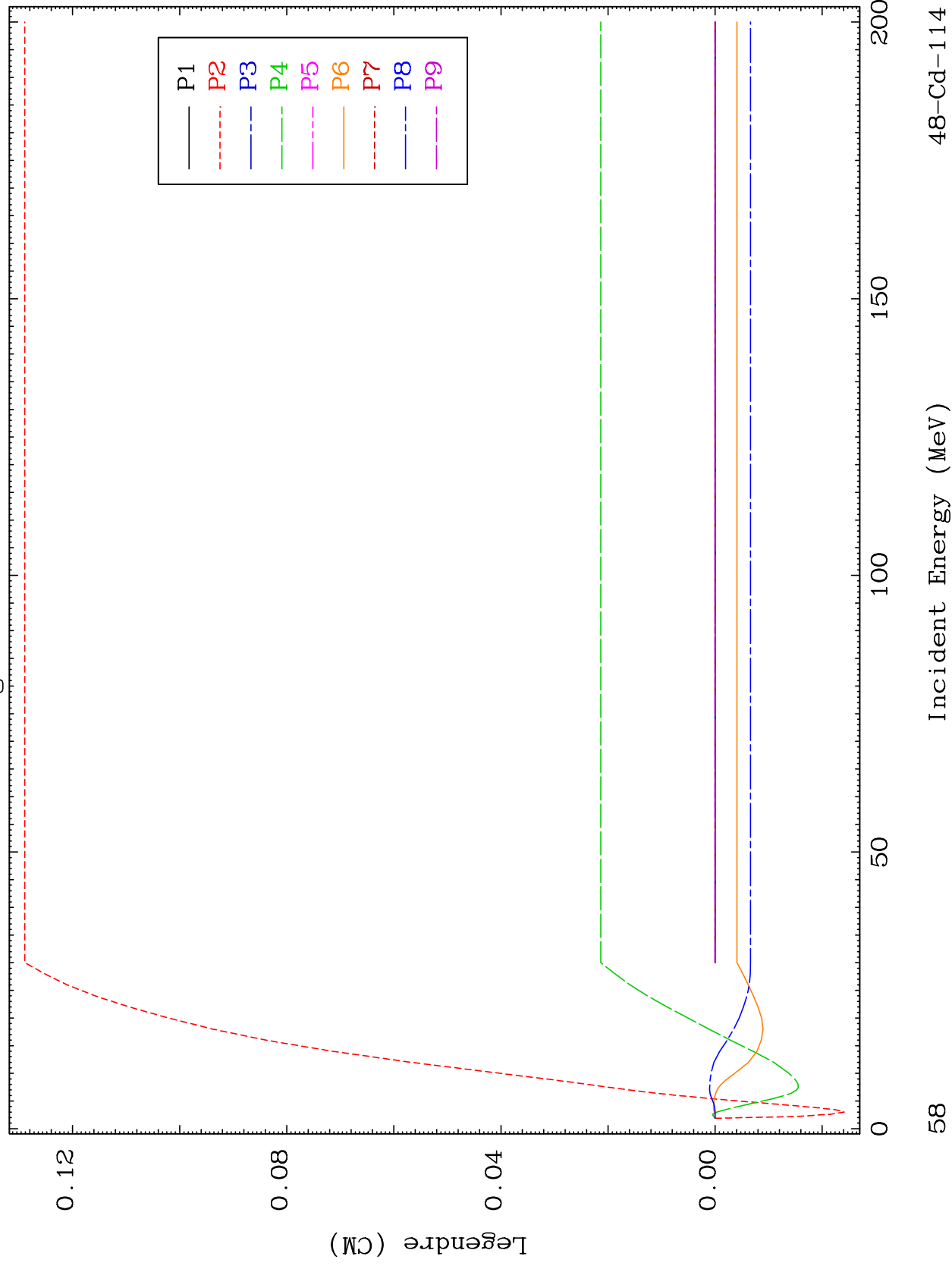
57

48-Cd-114

MAT 4849

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

48-Cd-114



48-Cd-114

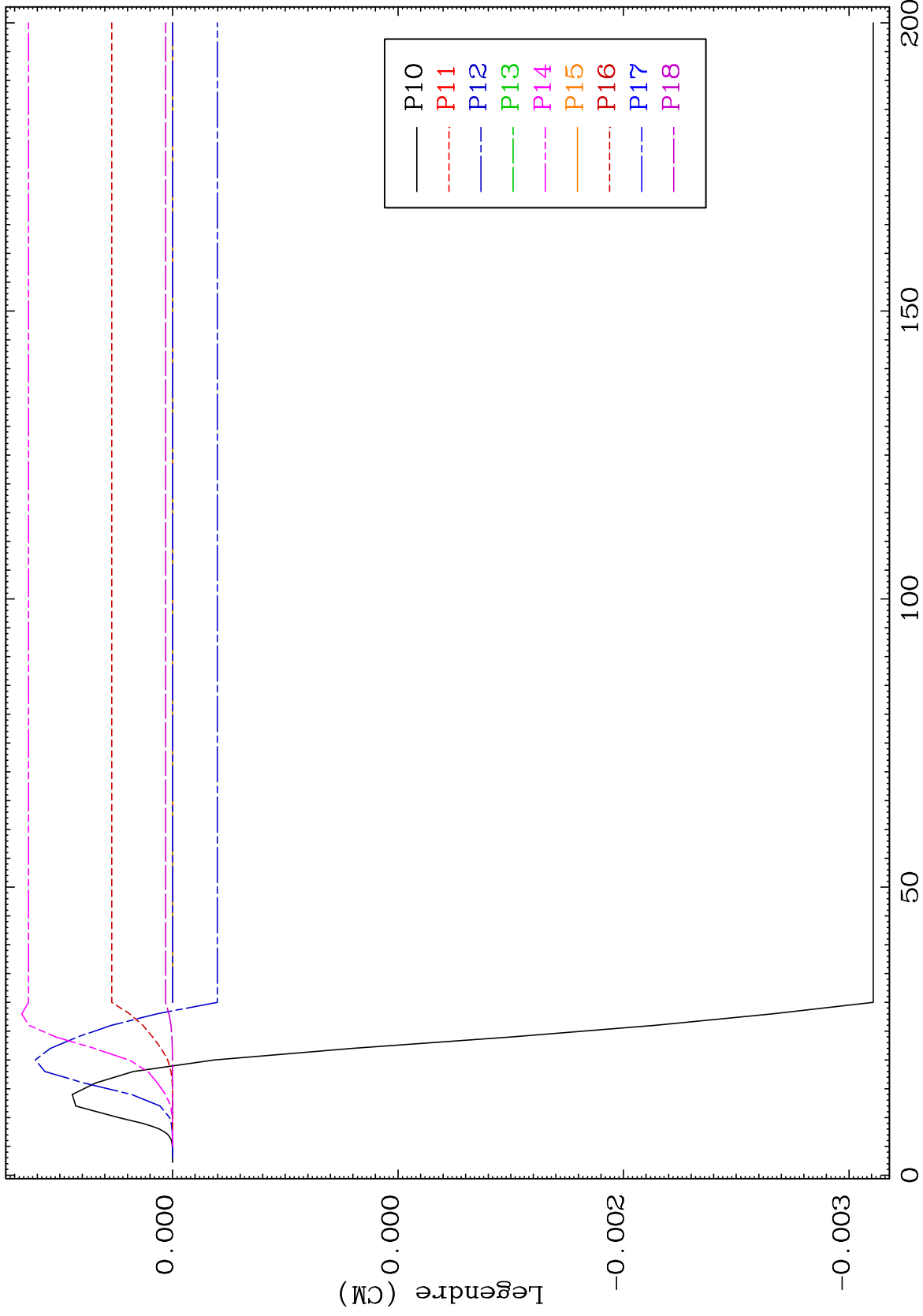
Incident Energy (MeV)

58

MAT 4849

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

48-Cd-114



59

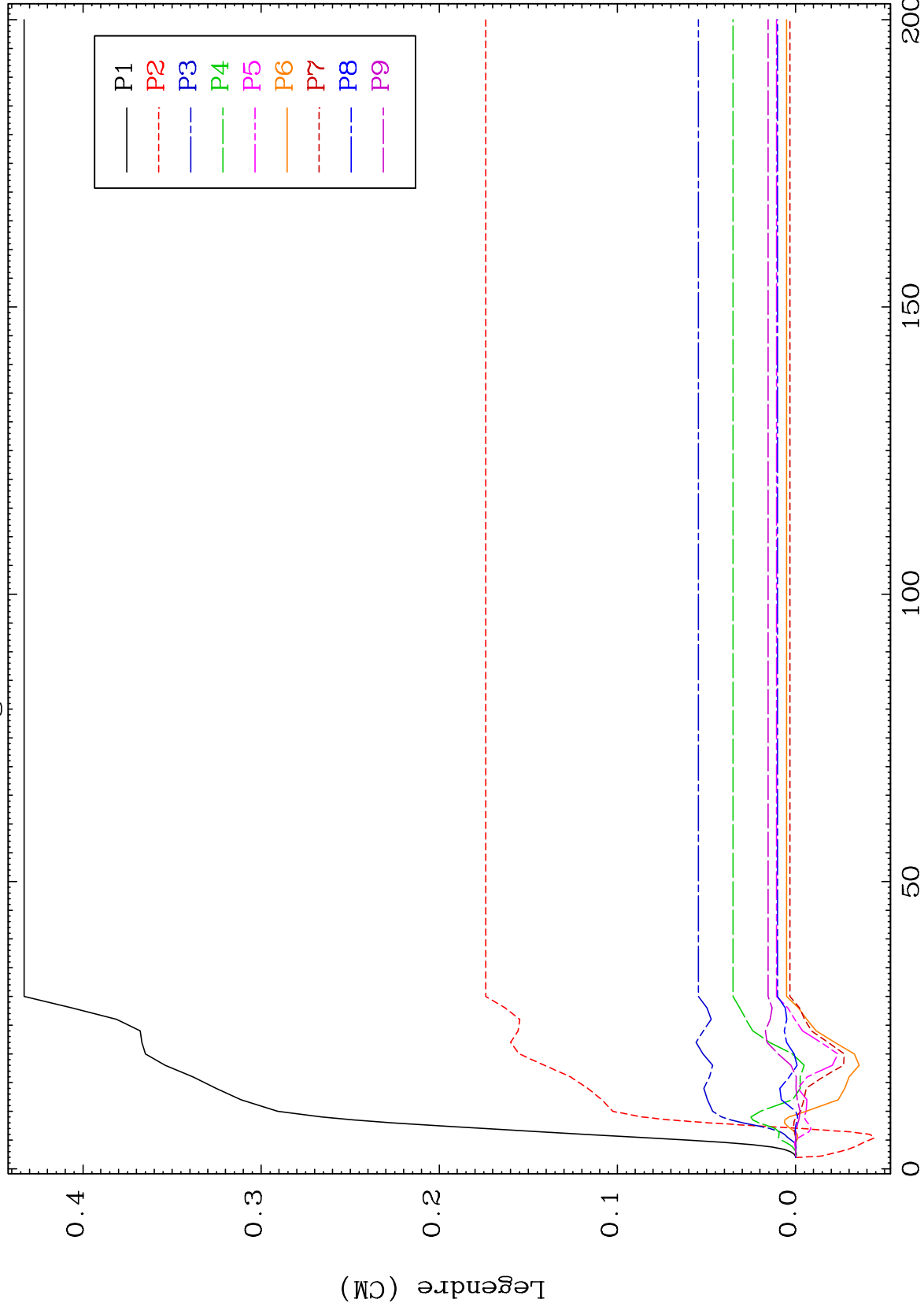
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



61

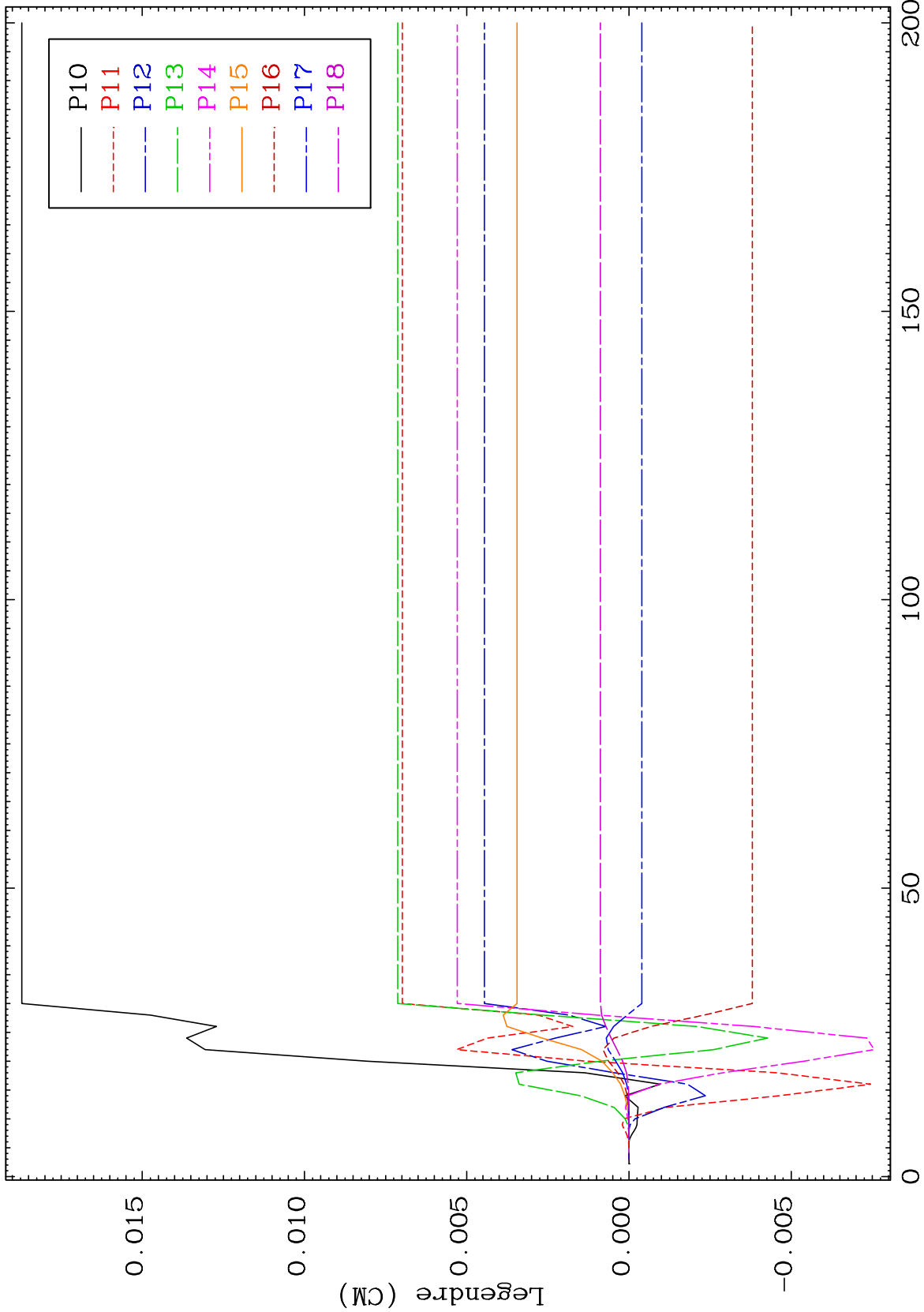
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



62

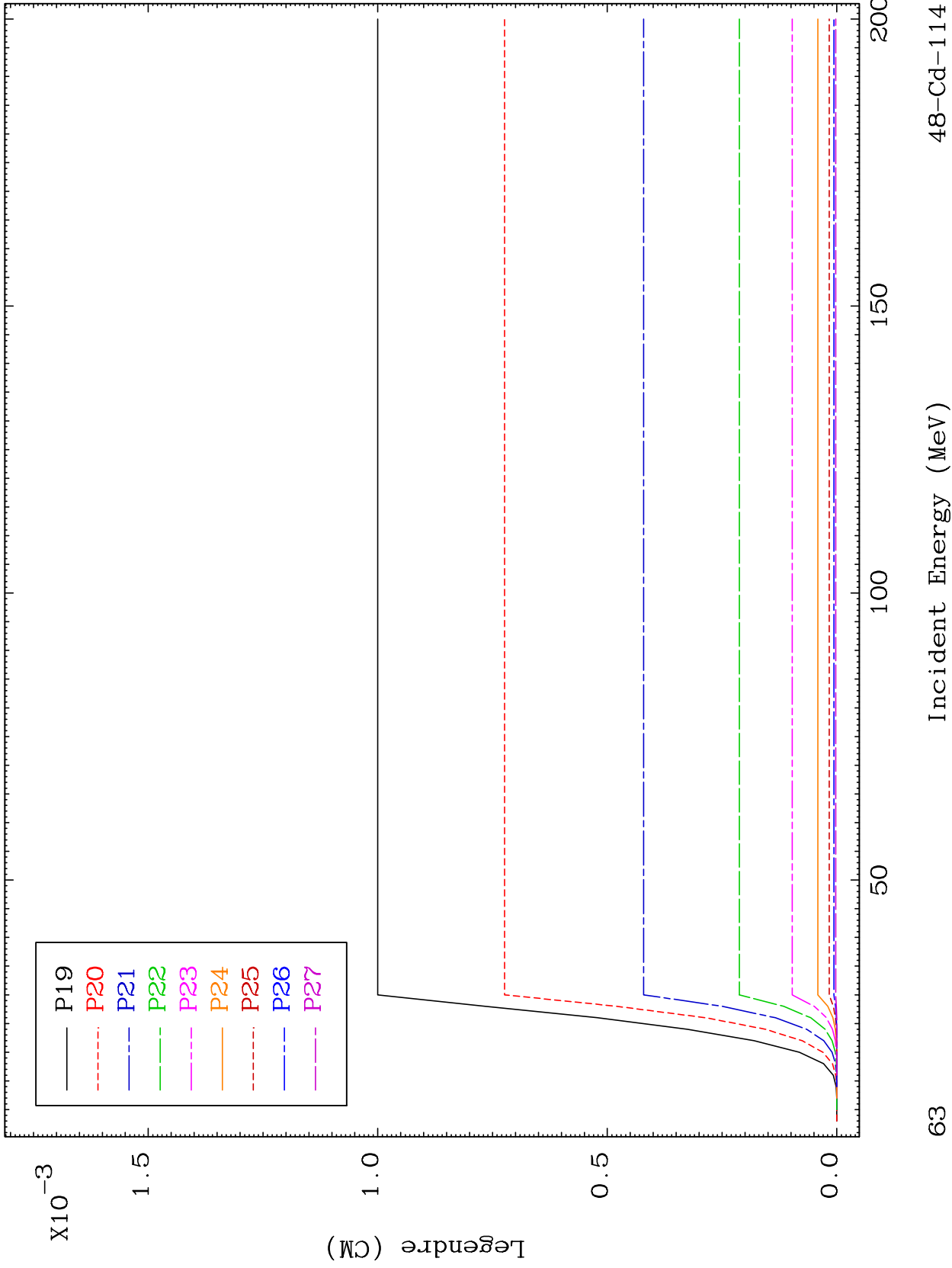
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

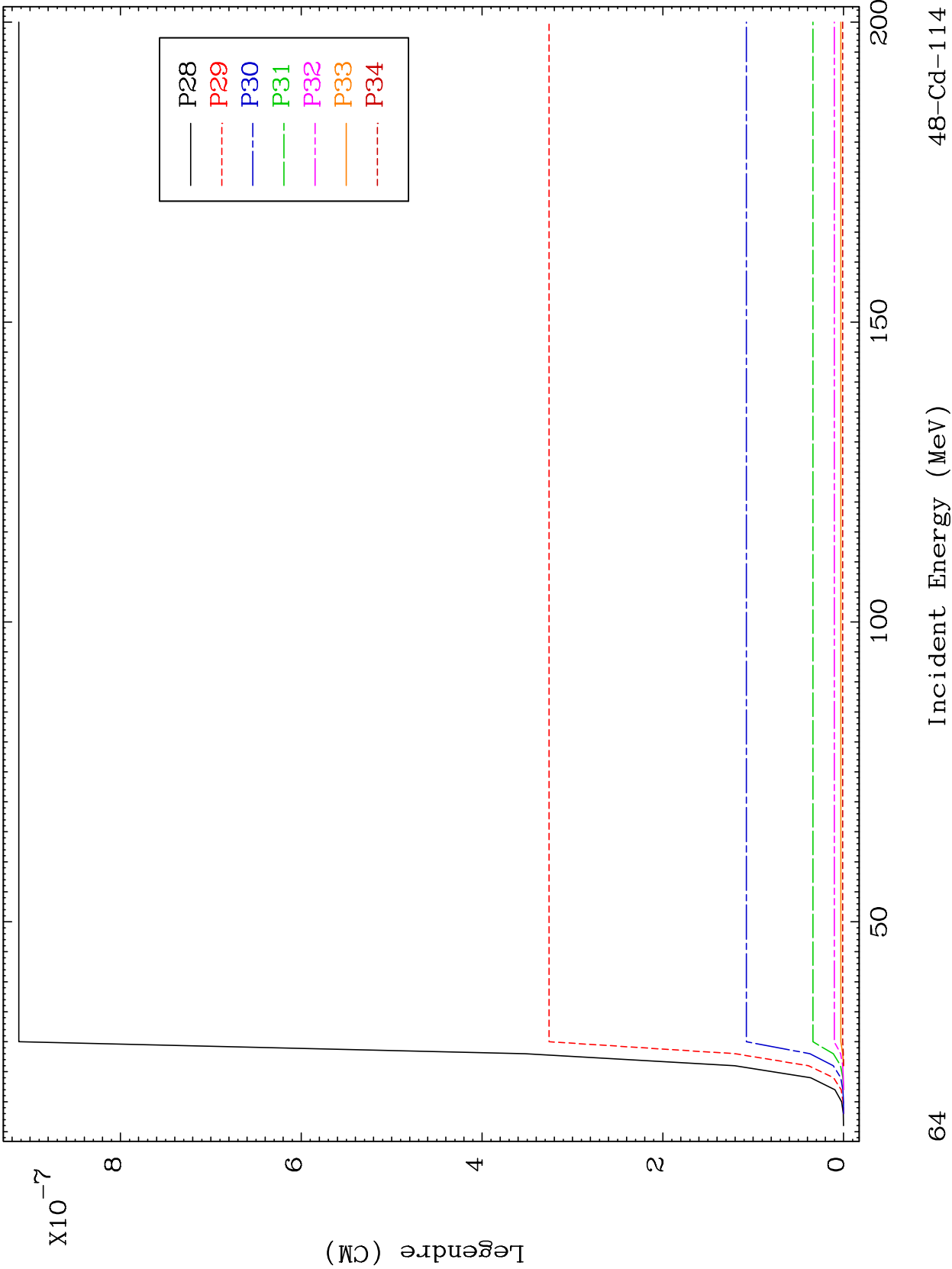
48-Cd-114



MAT 4849

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

48-Cd-114



64

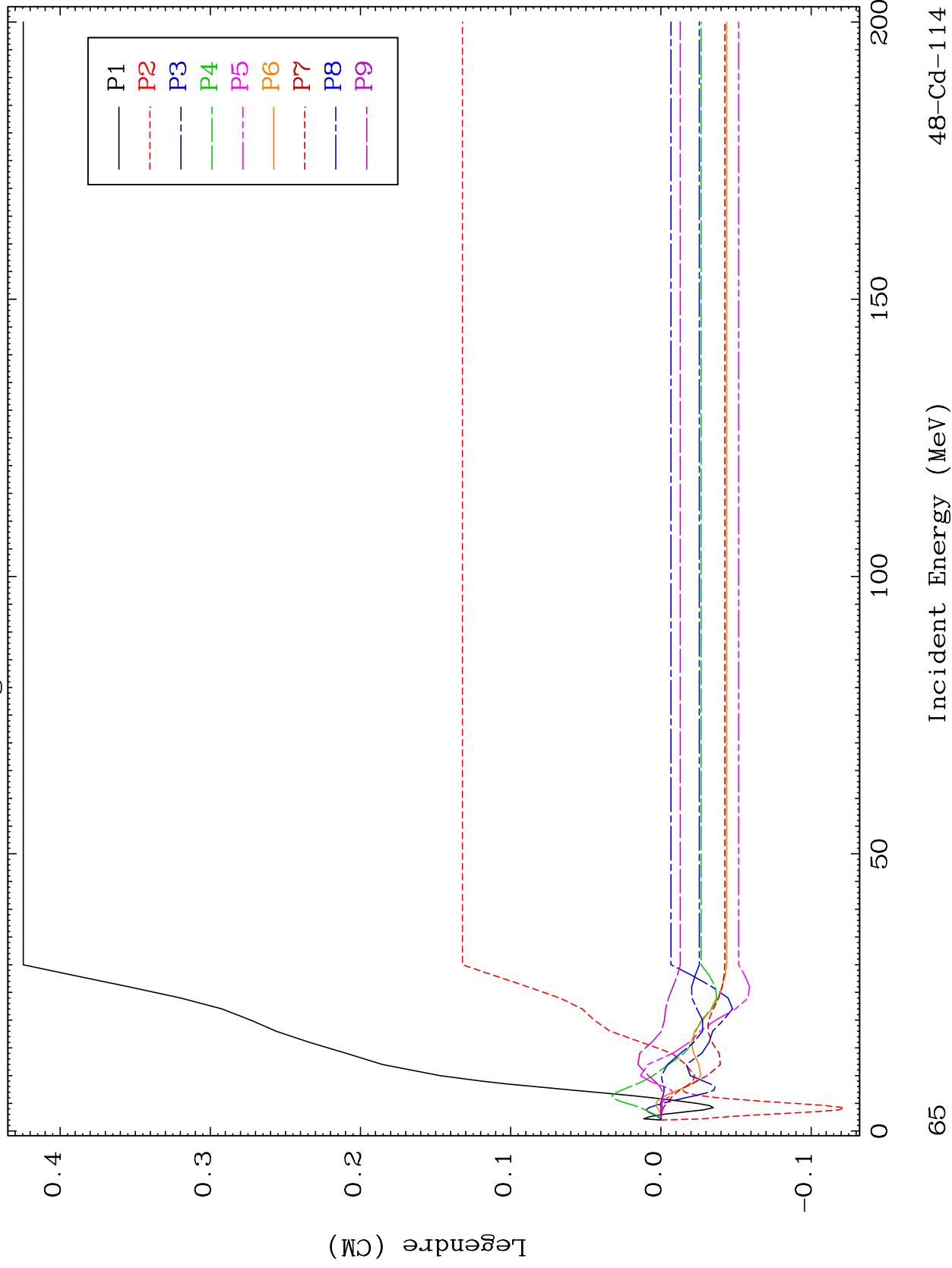
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

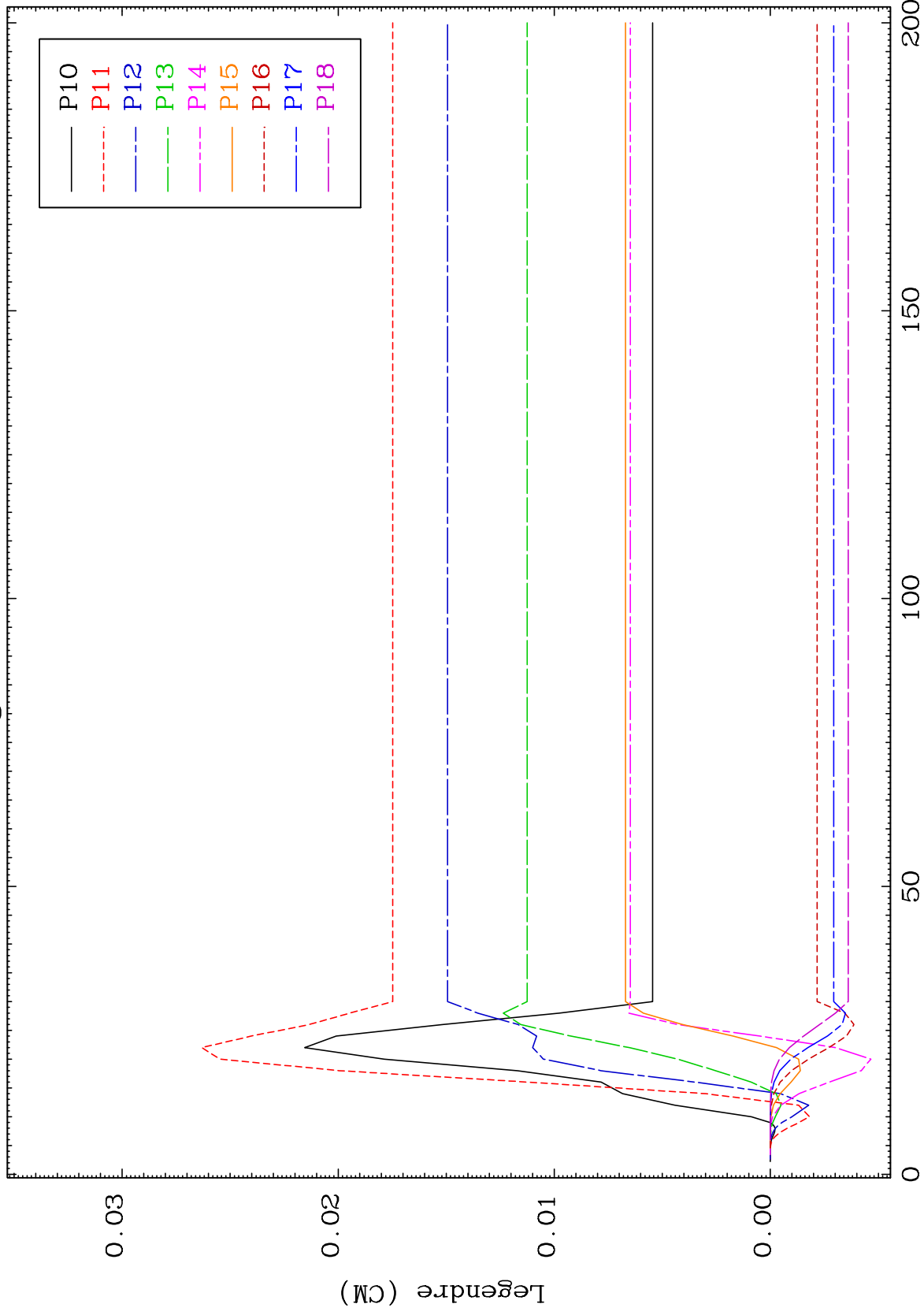
48-Cd-114



MAT 4849

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

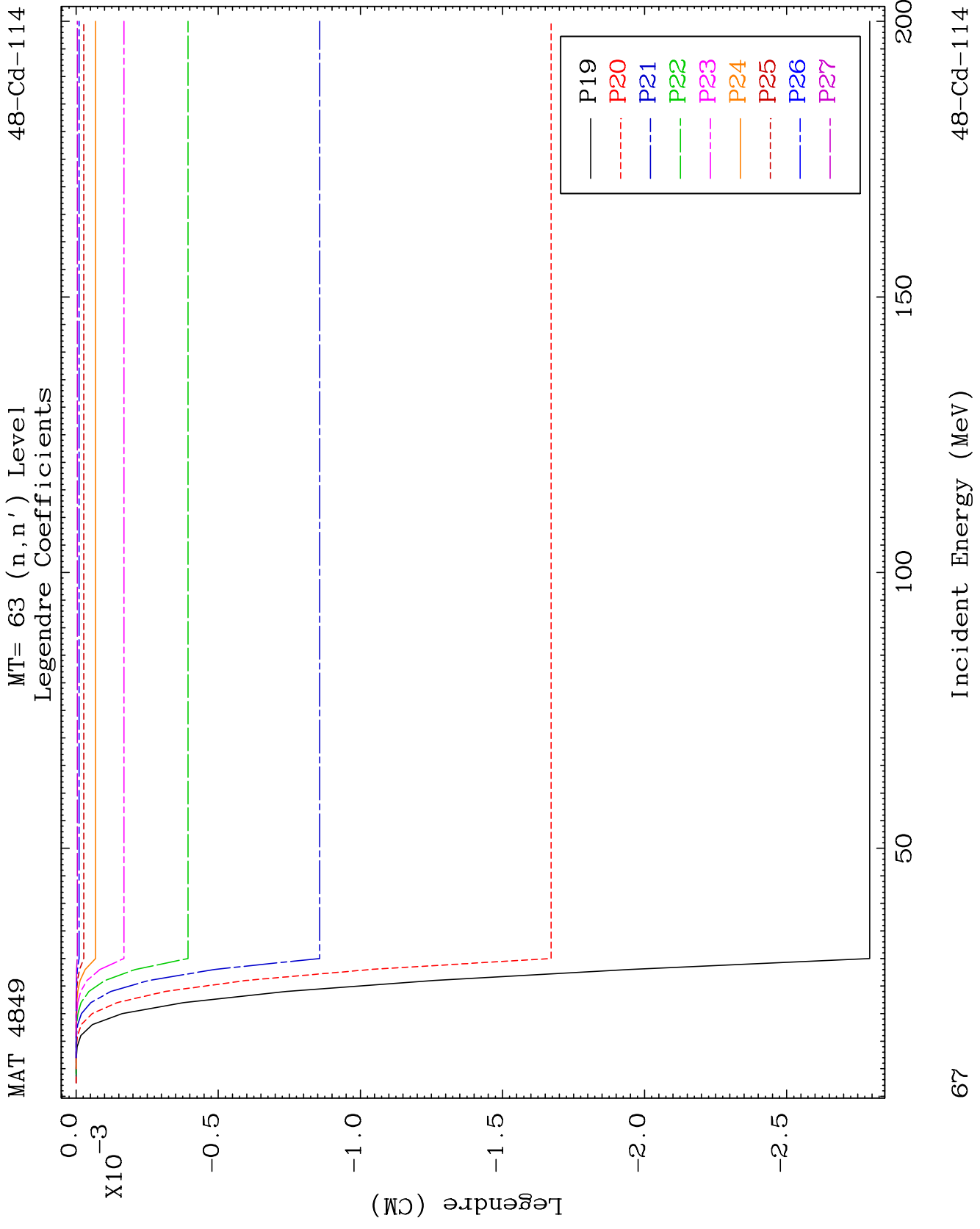
48-Cd-114



66

Incident Energy (MeV)

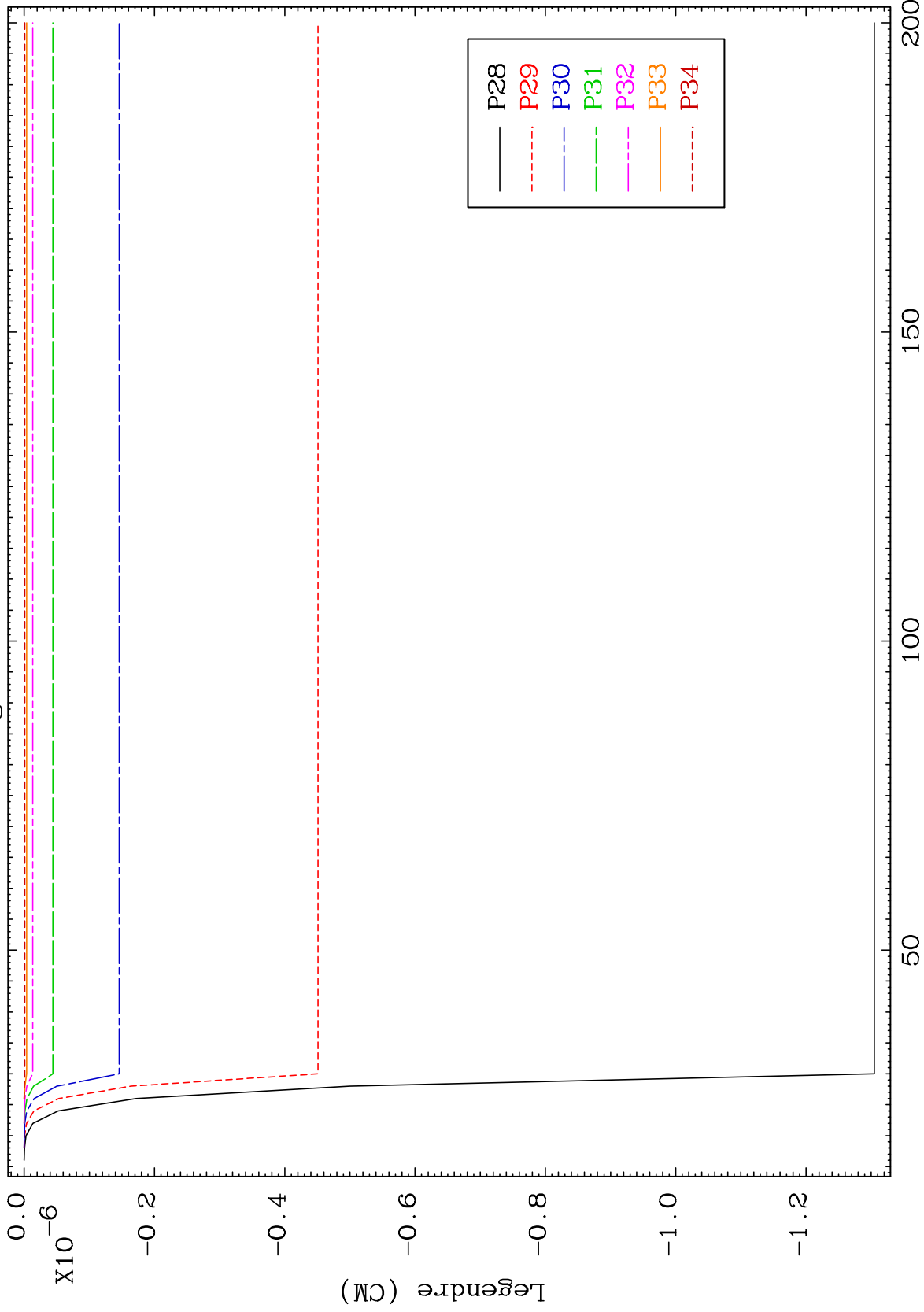
48-Cd-114



MAT 4849

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

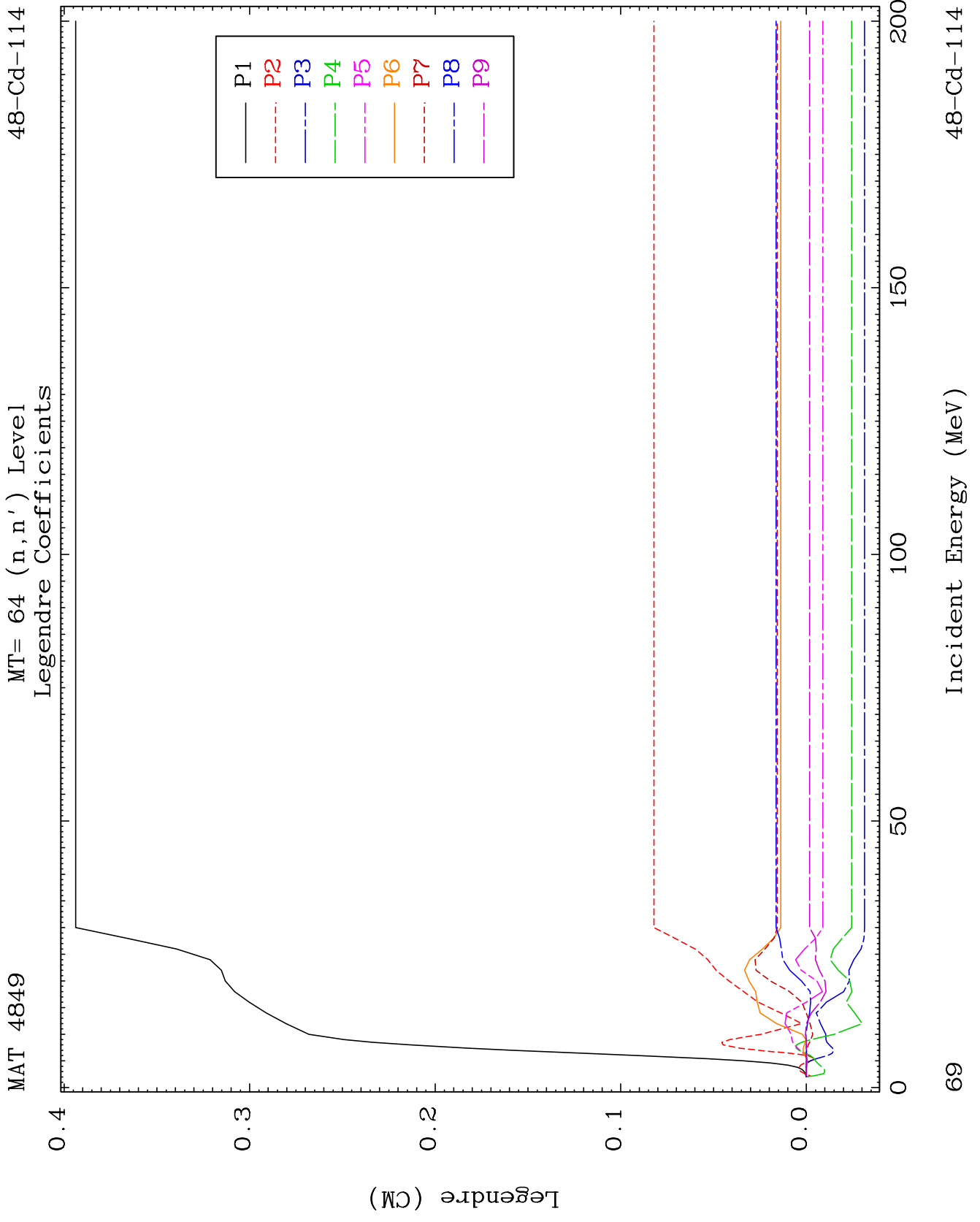
48-Cd-114



68

Incident Energy (MeV)

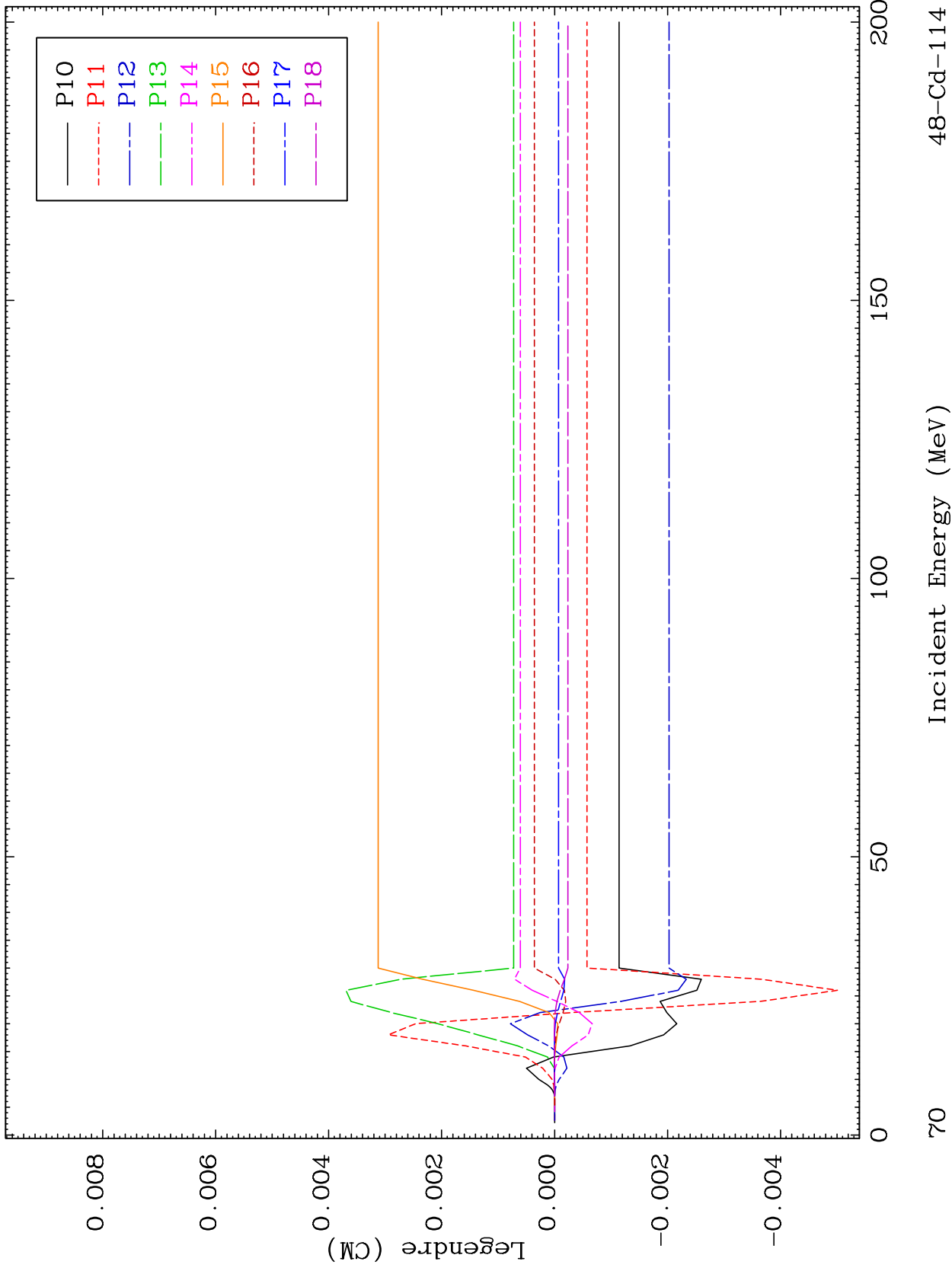
48-Cd-114



MAT 4849

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

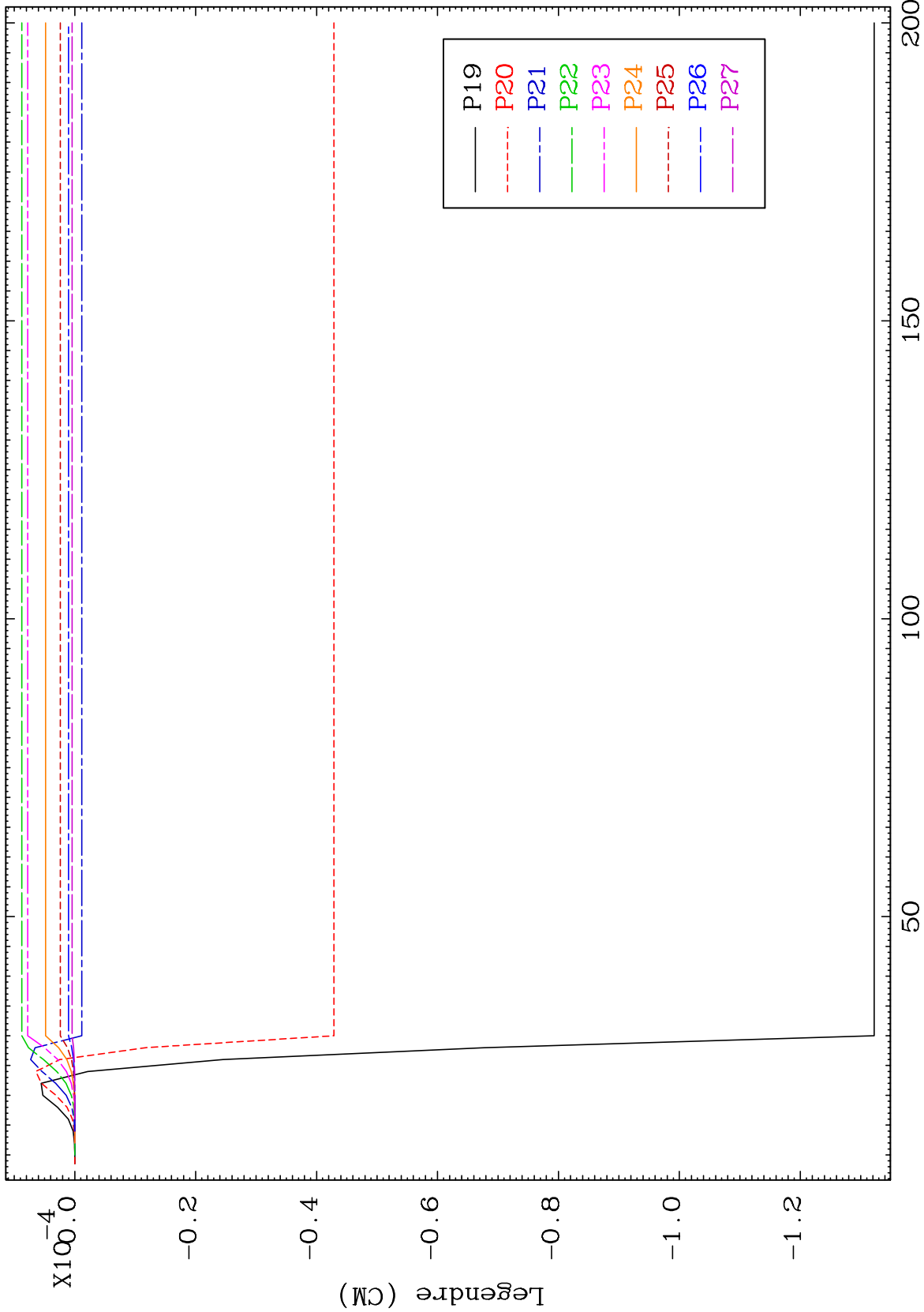
48-Cd-114



MAT 4849

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

48-Cd-114



71

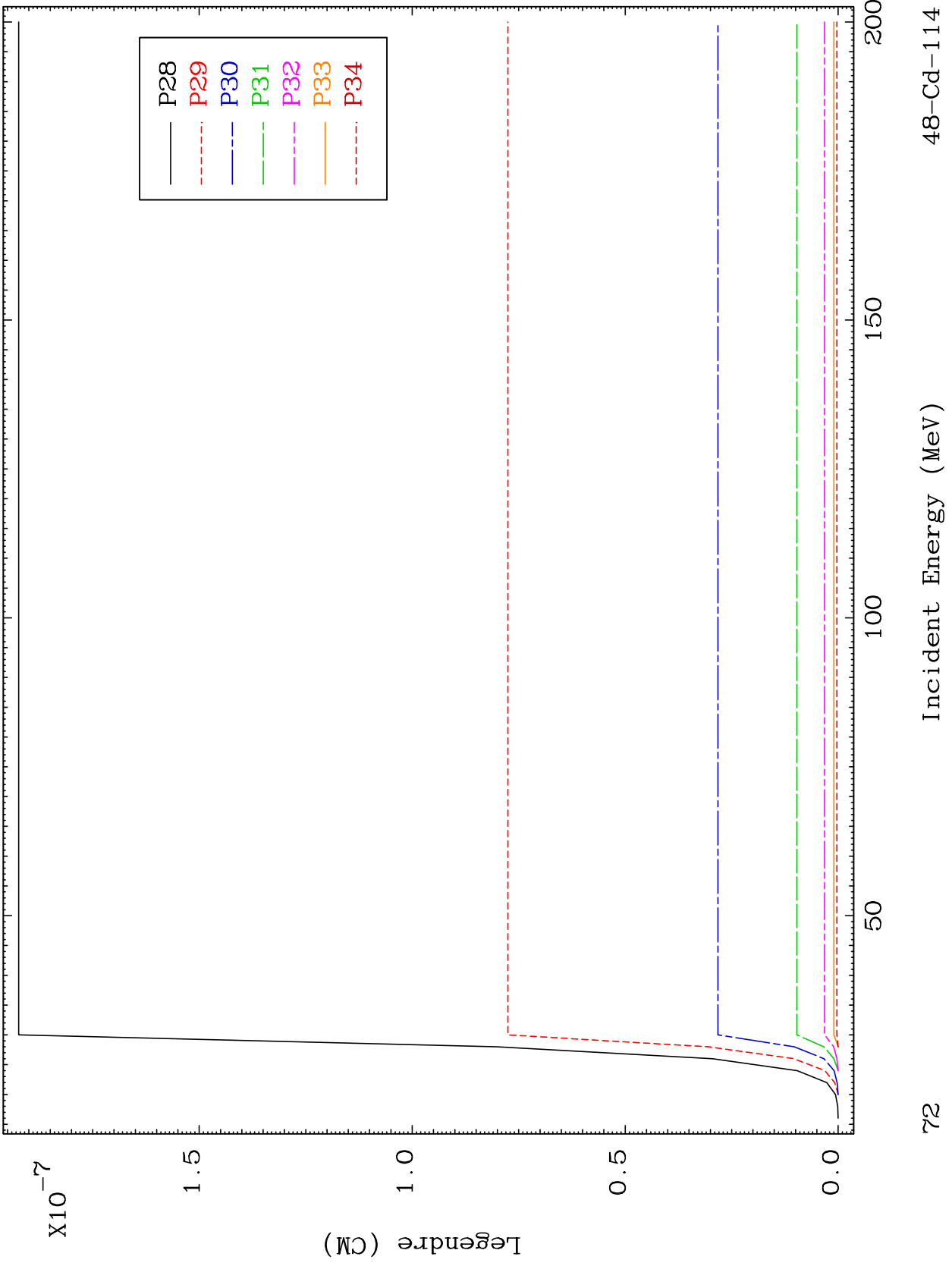
48-Cd-114

48-Cd-114

MAT 4849

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

48-Cd-114

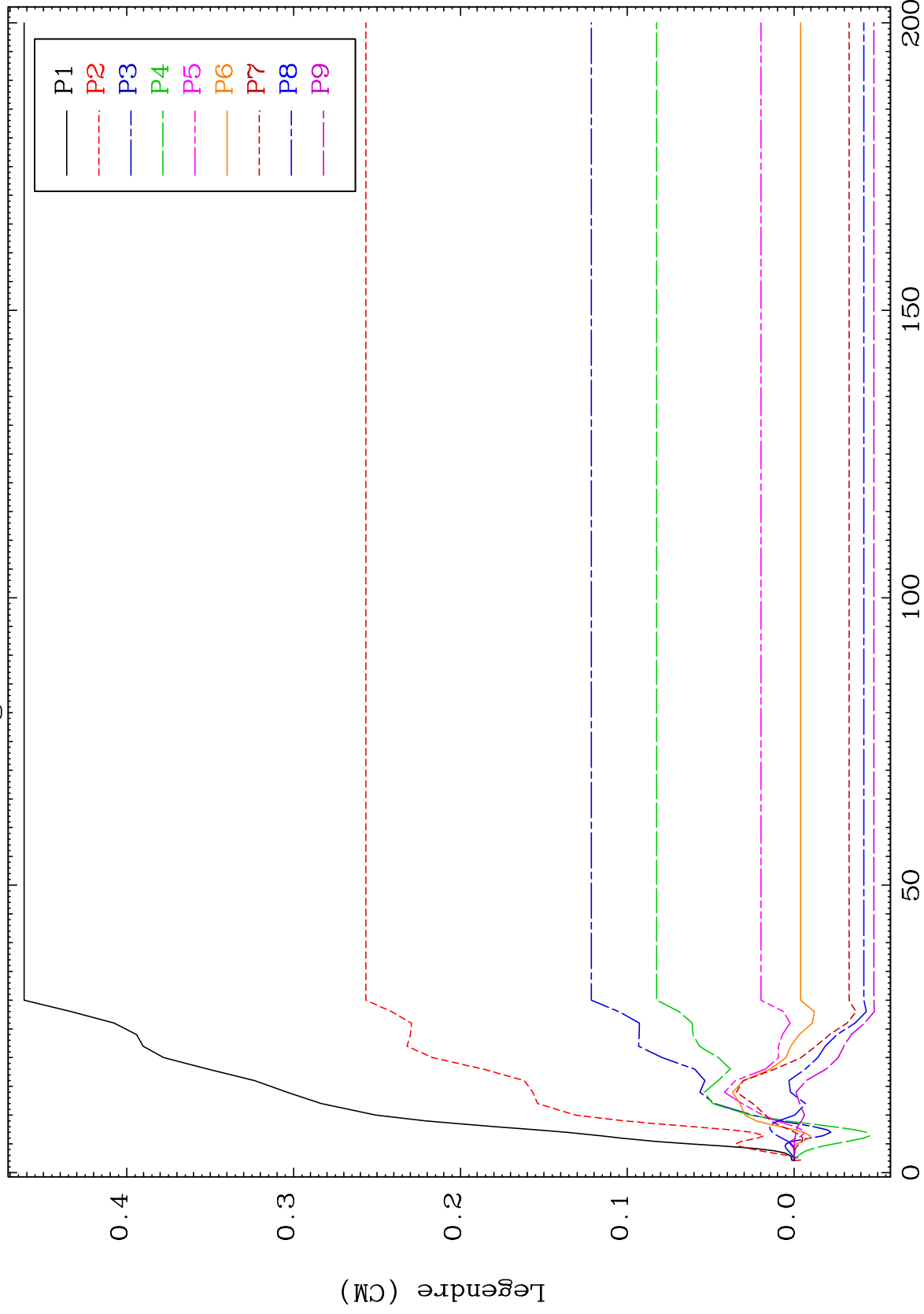


72

MAT 4849

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

48-Cd-114



73

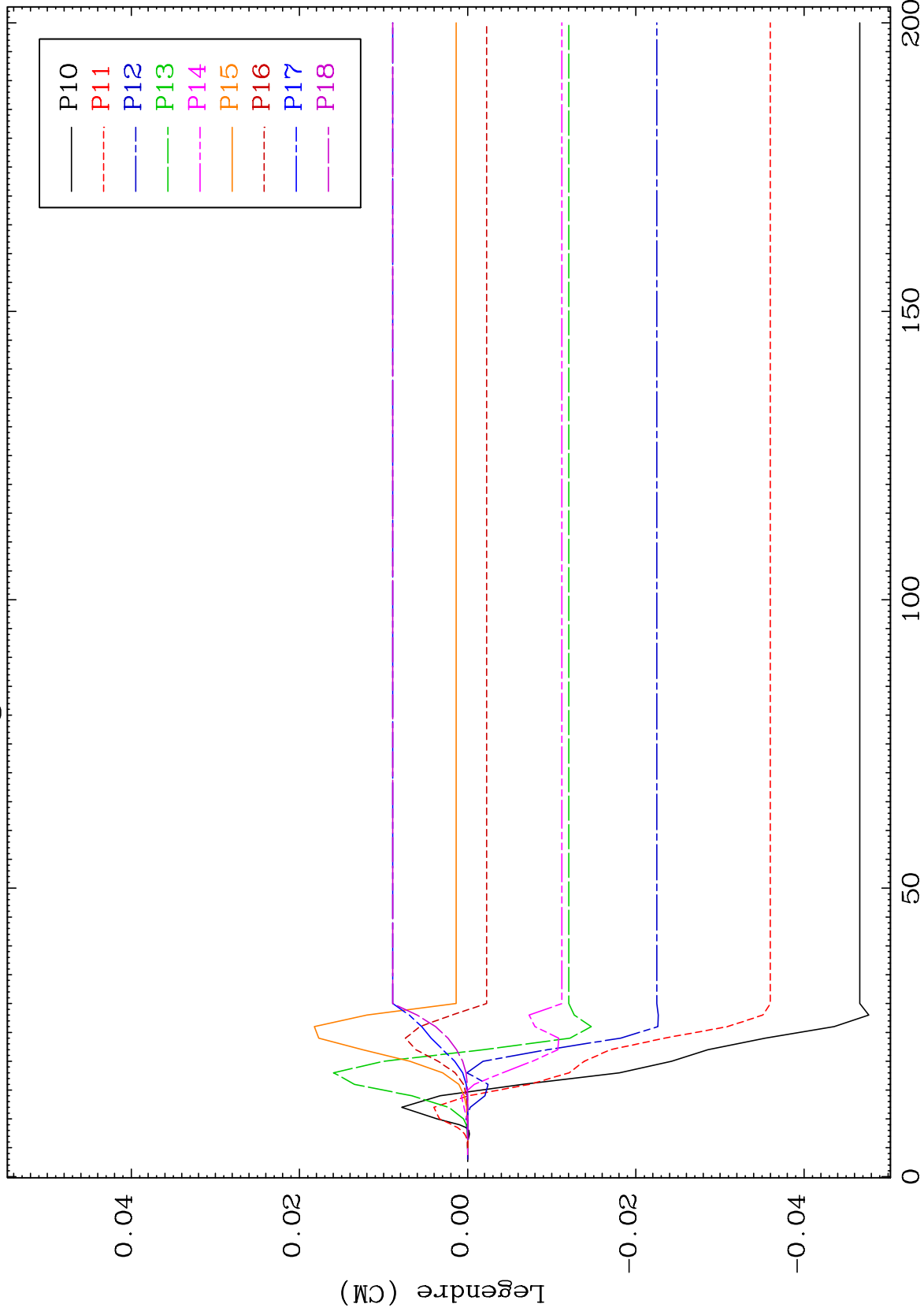
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



74

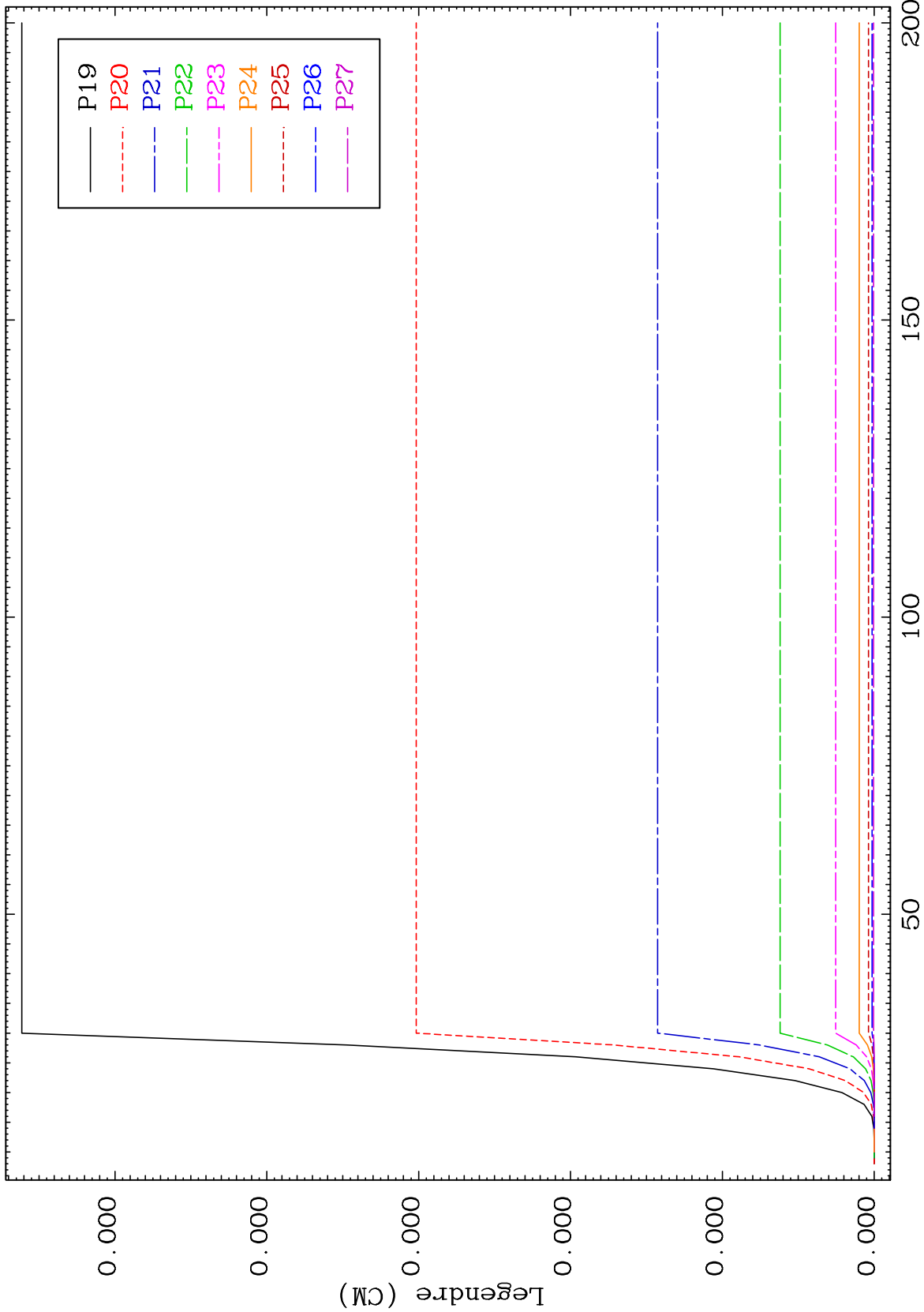
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



75

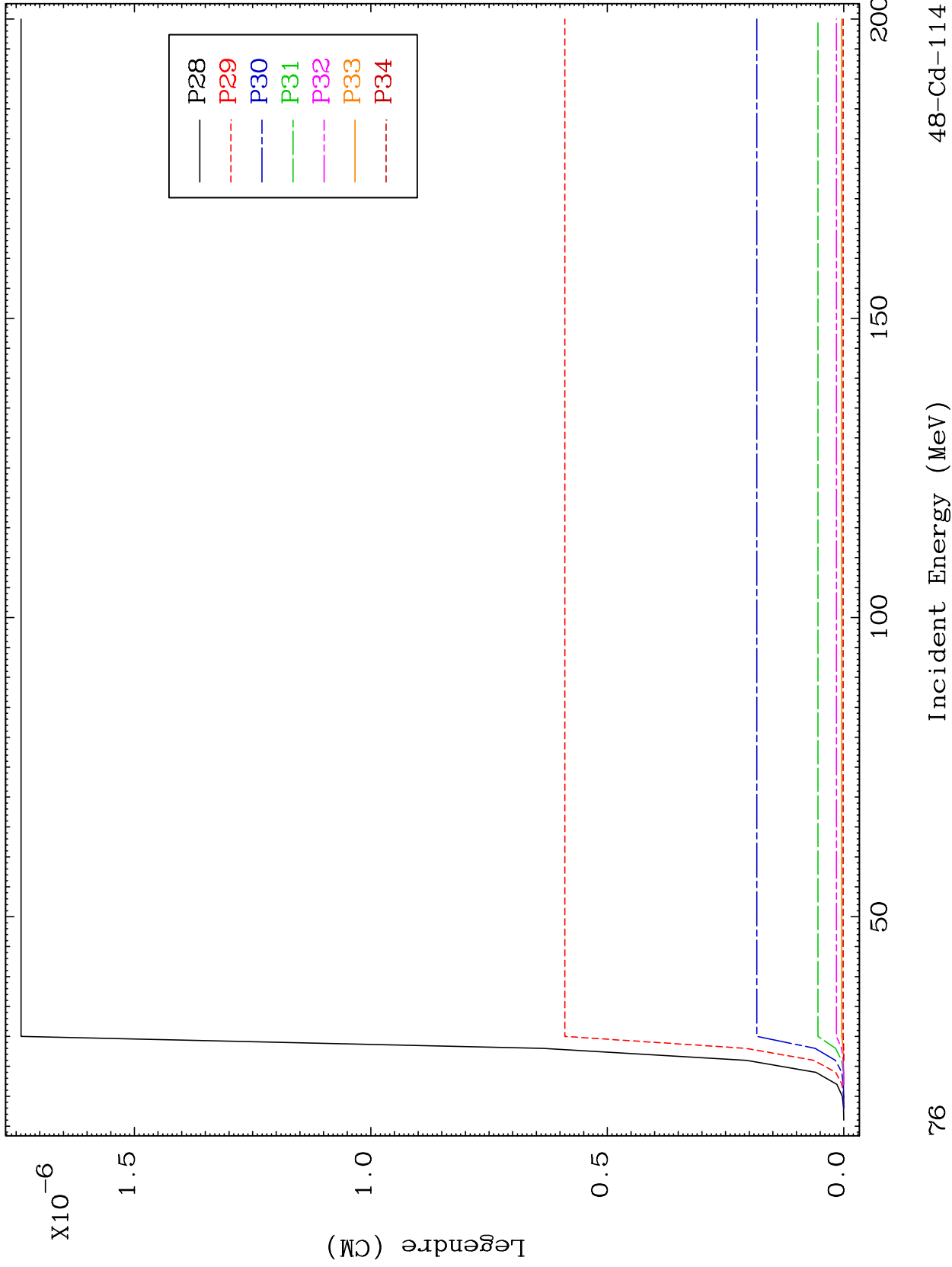
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

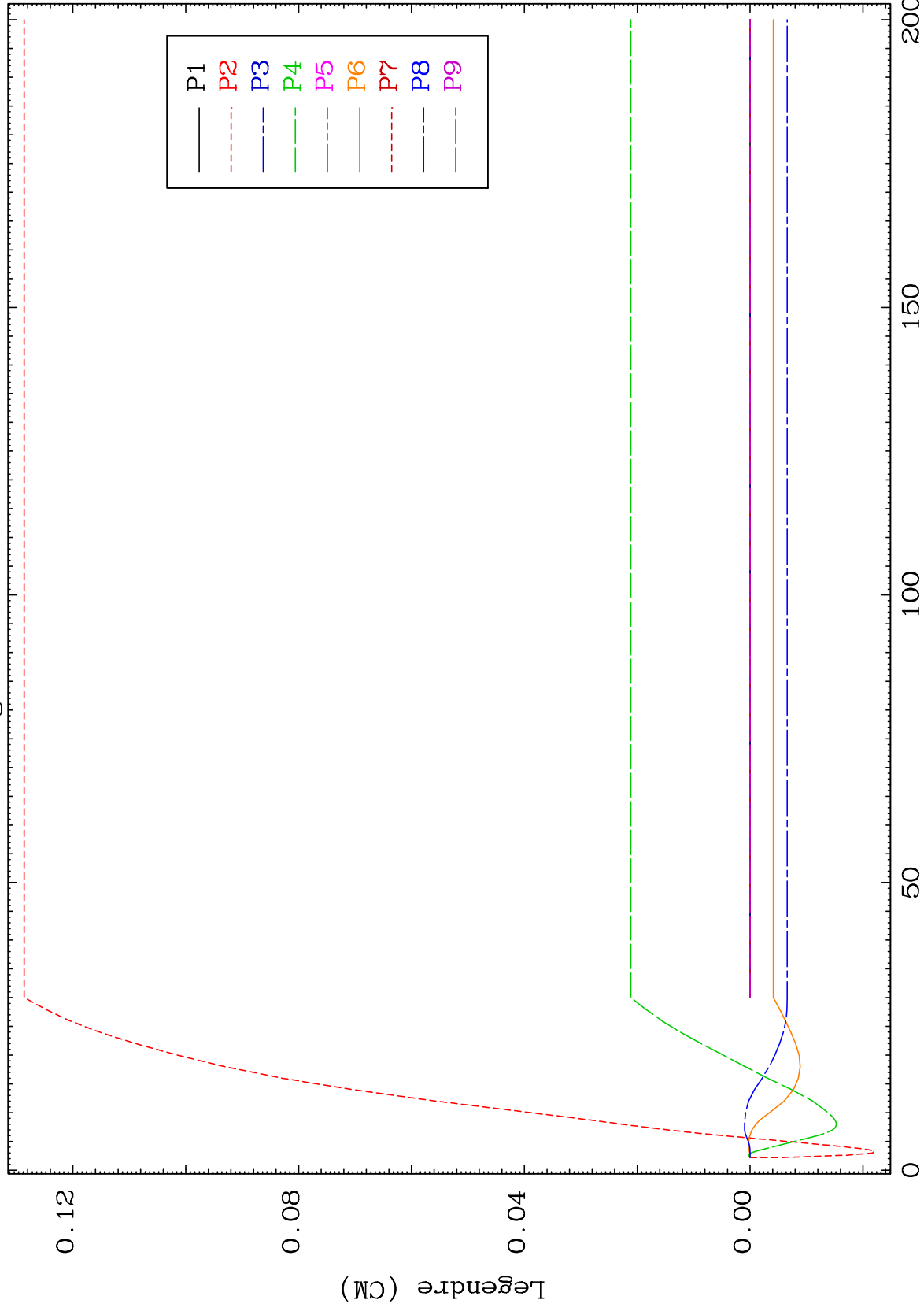
48-Cd-114



MAT 4849

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

48-Cd-114



77

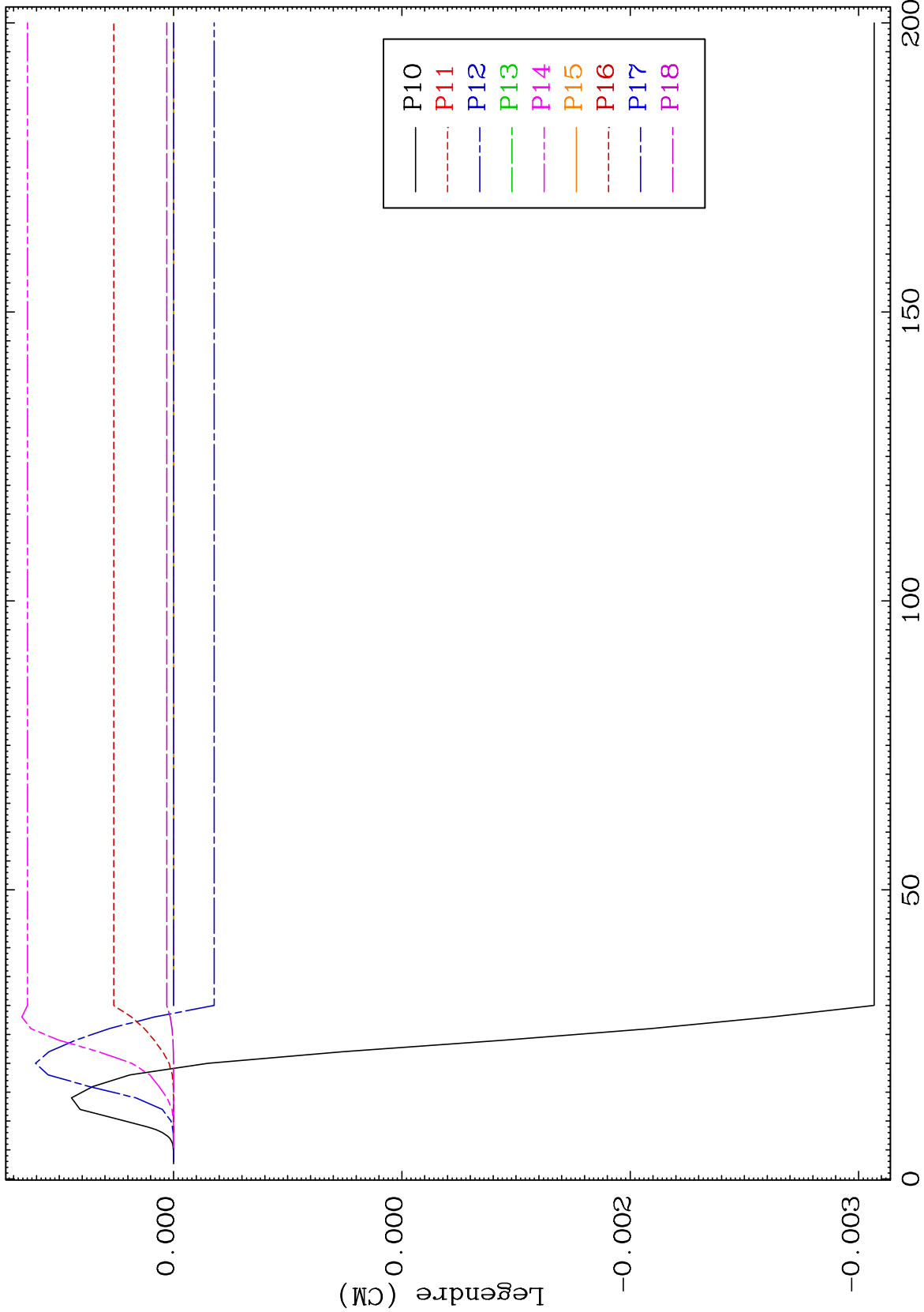
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



78

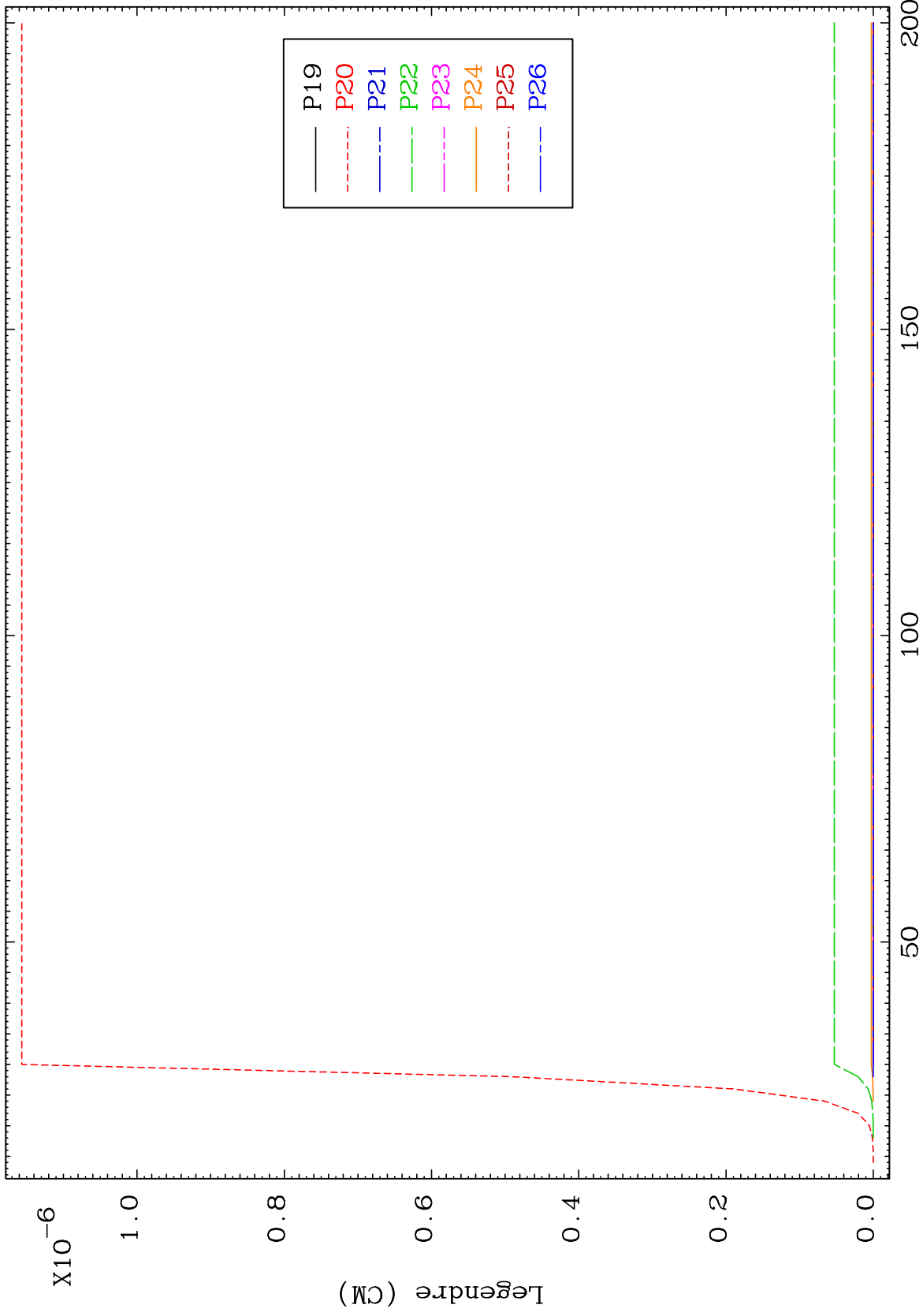
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



79

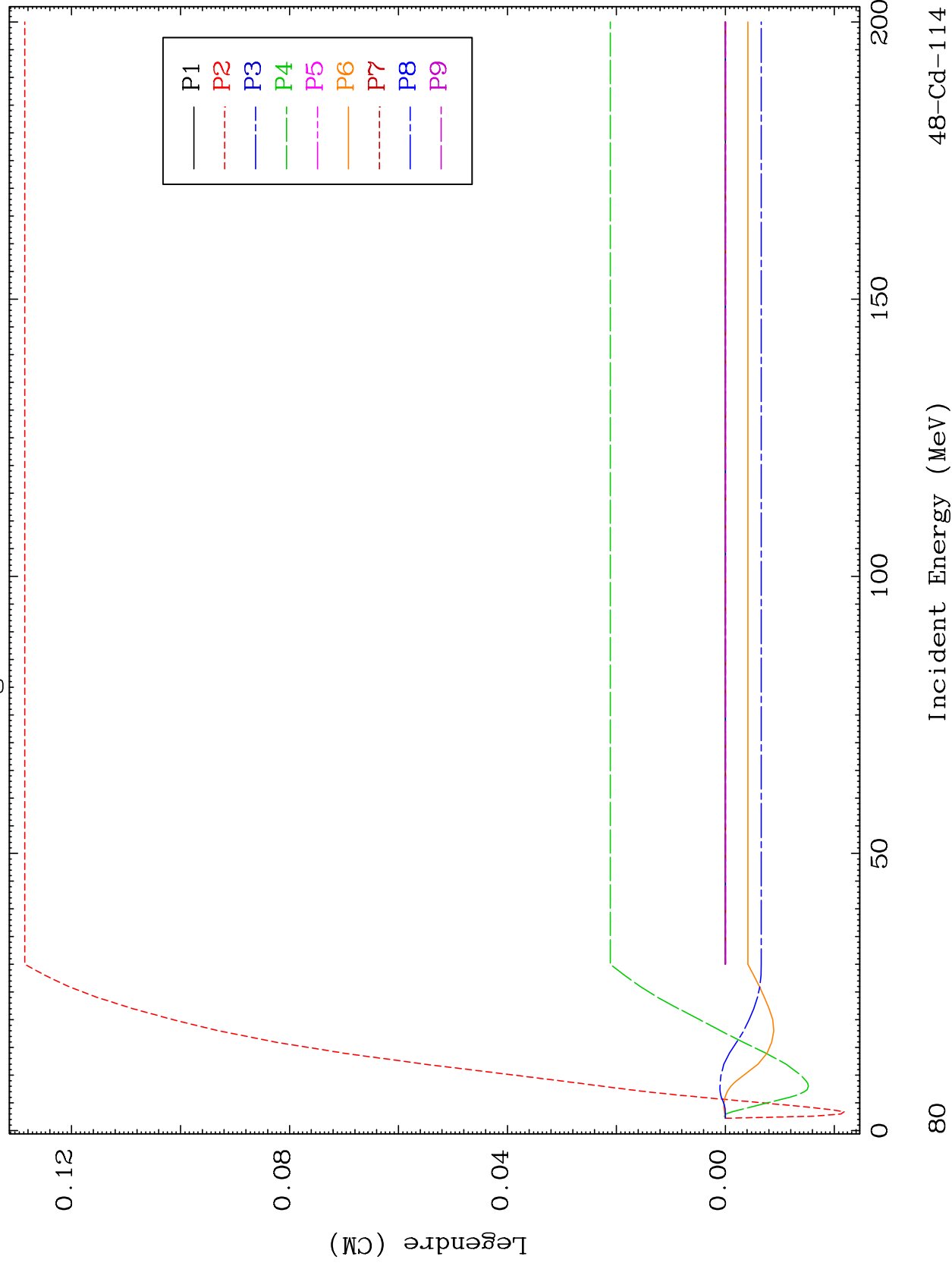
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114

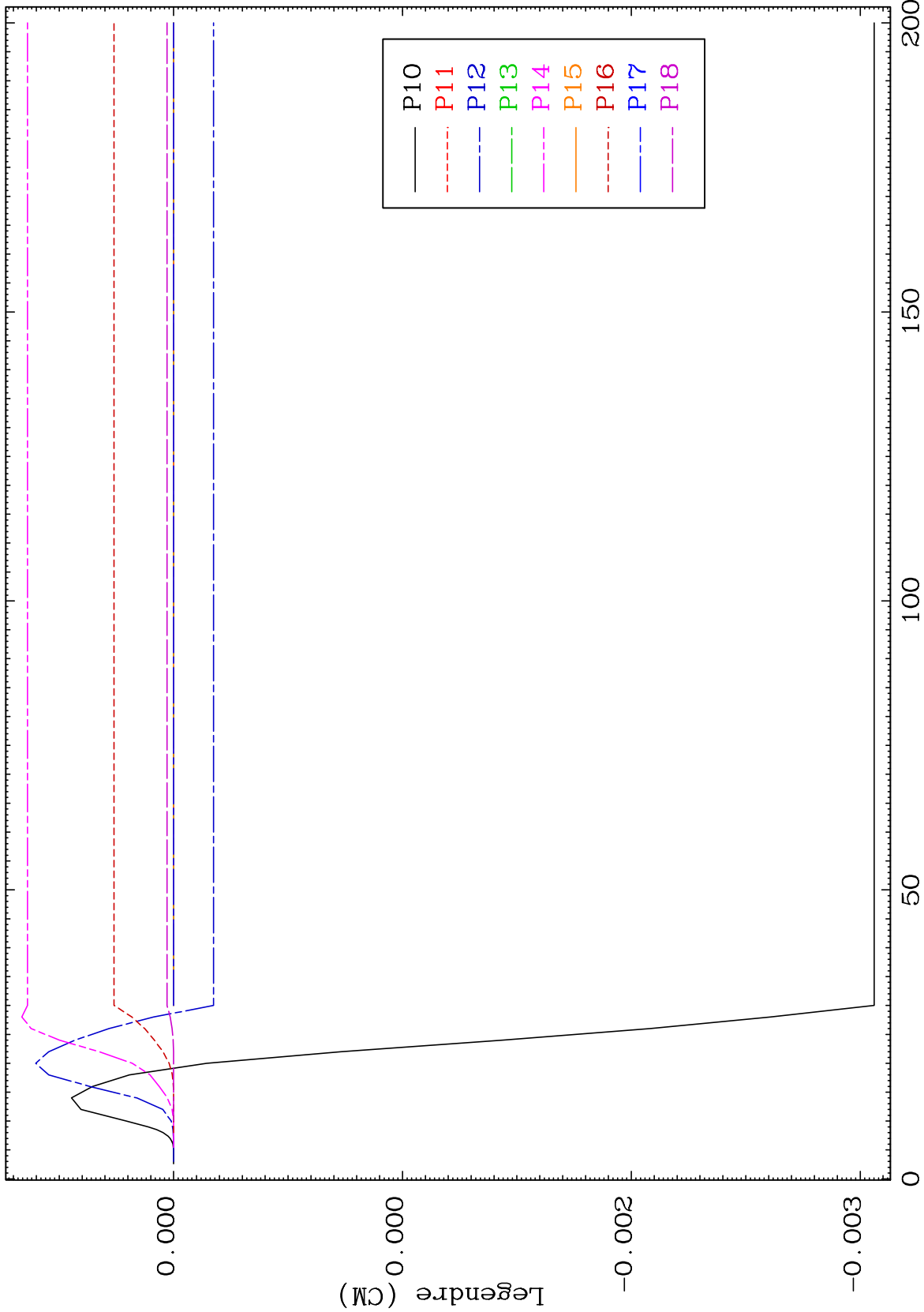


48-Cd-114

MAT 4849

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

48-Cd-114



81

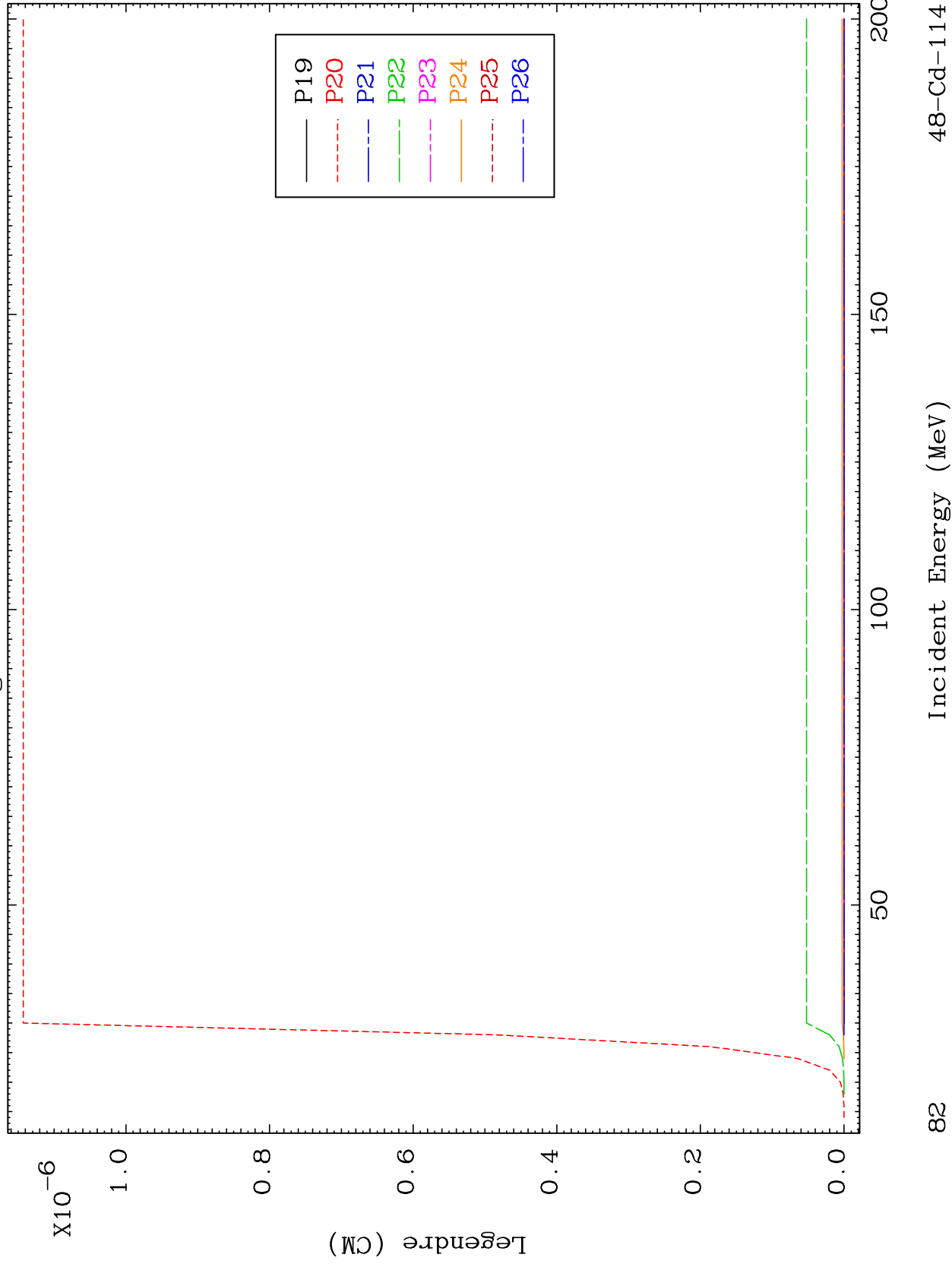
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114

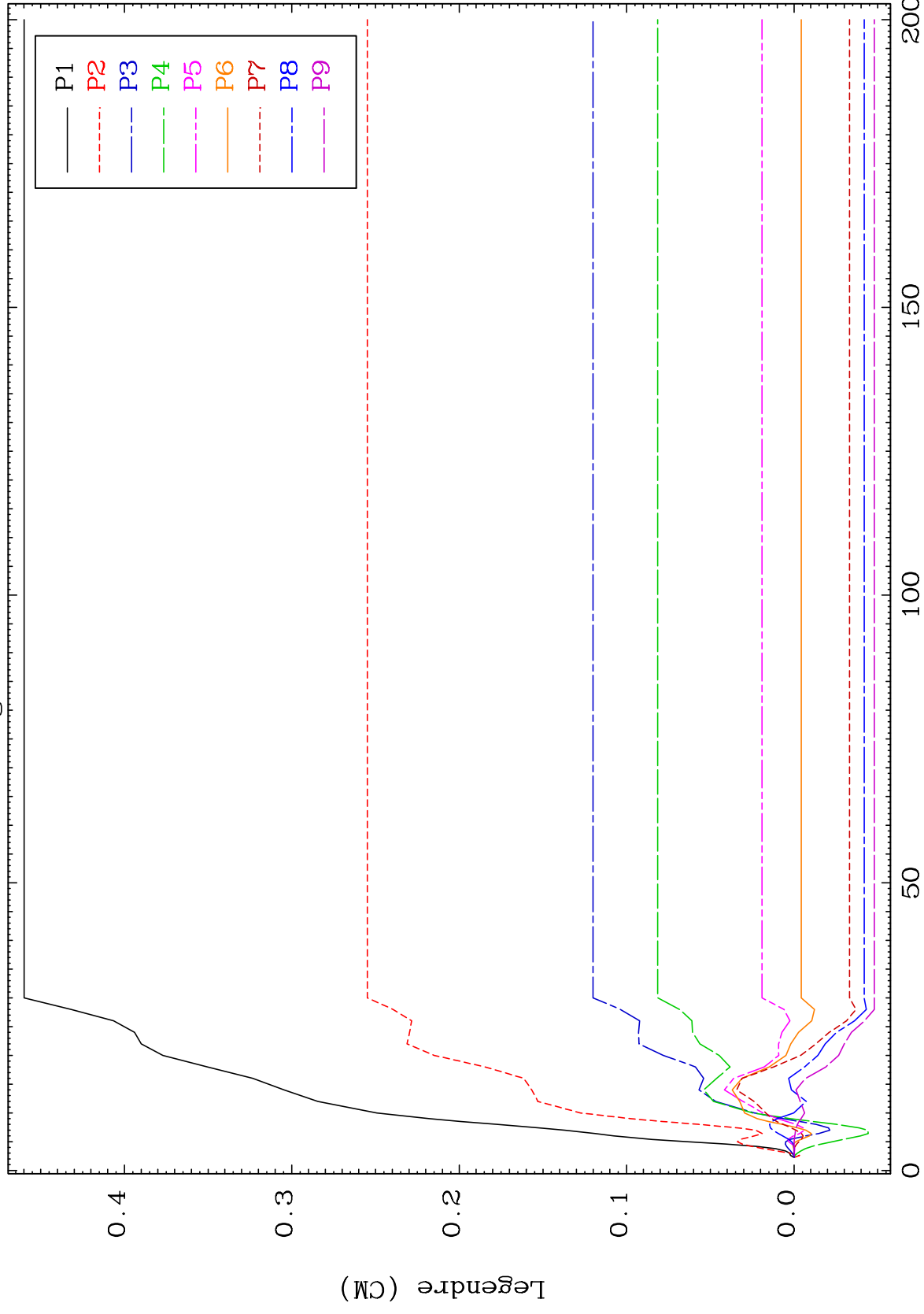


82

MAT 4849

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

48-Cd-114



83

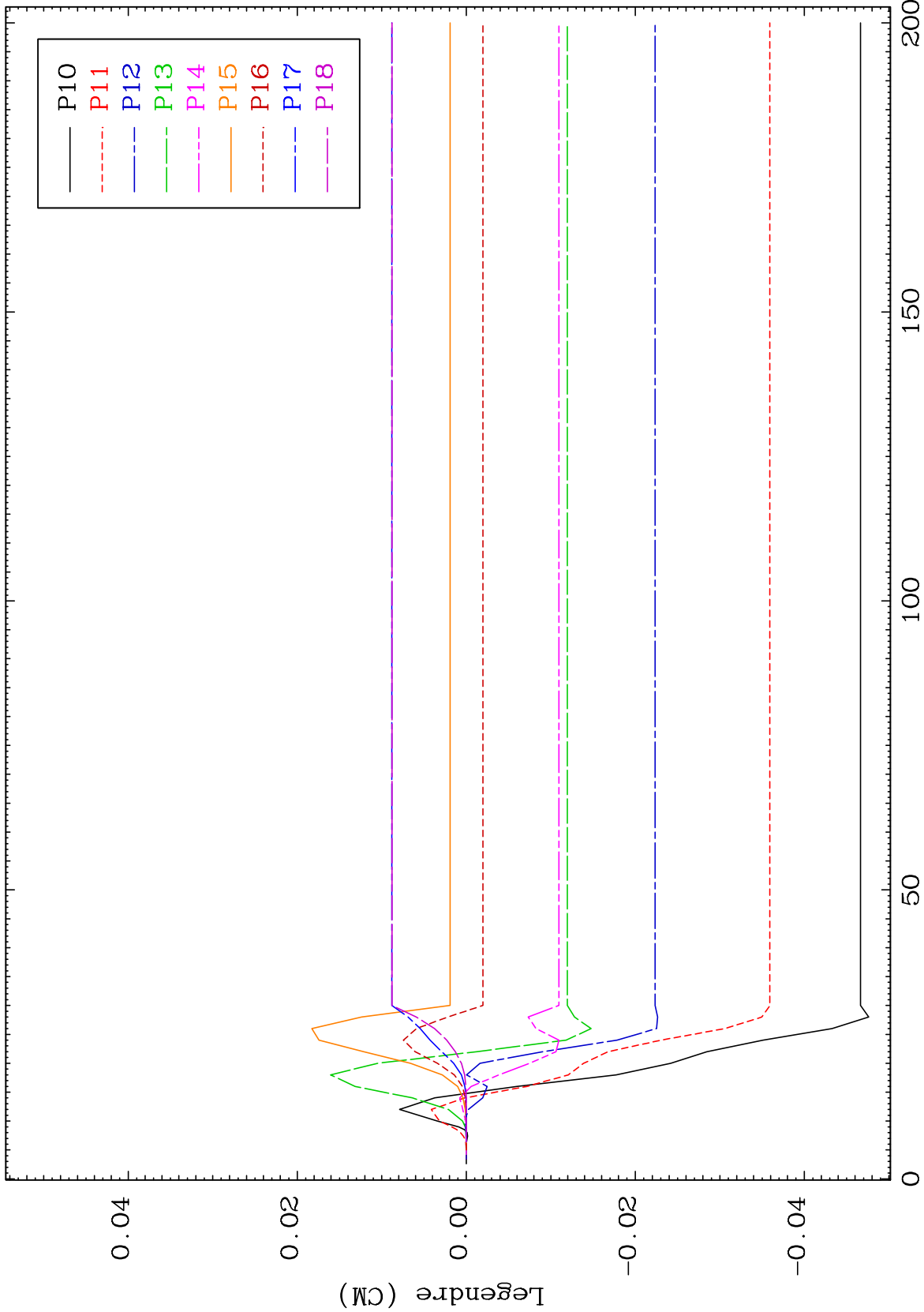
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



84

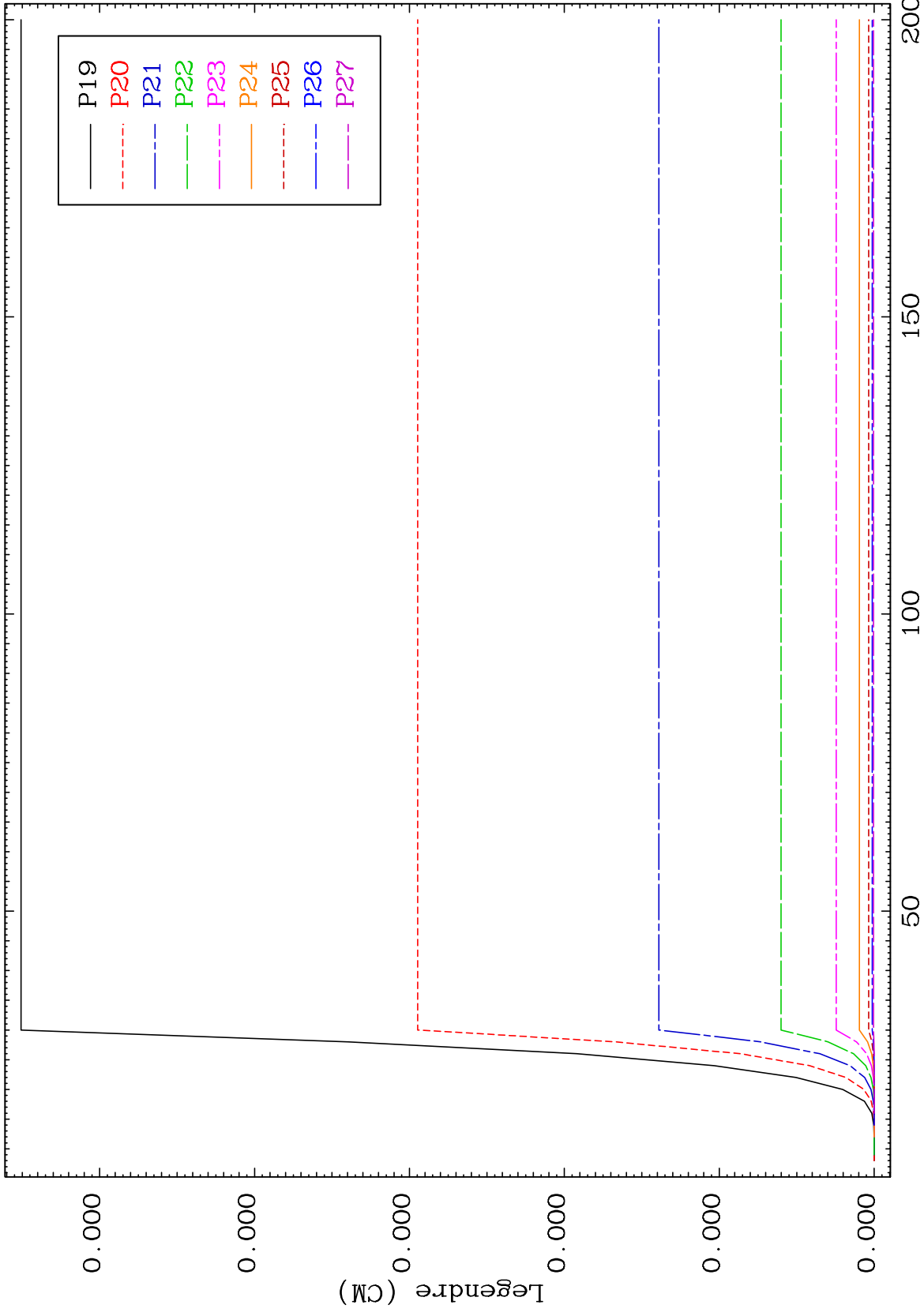
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



85

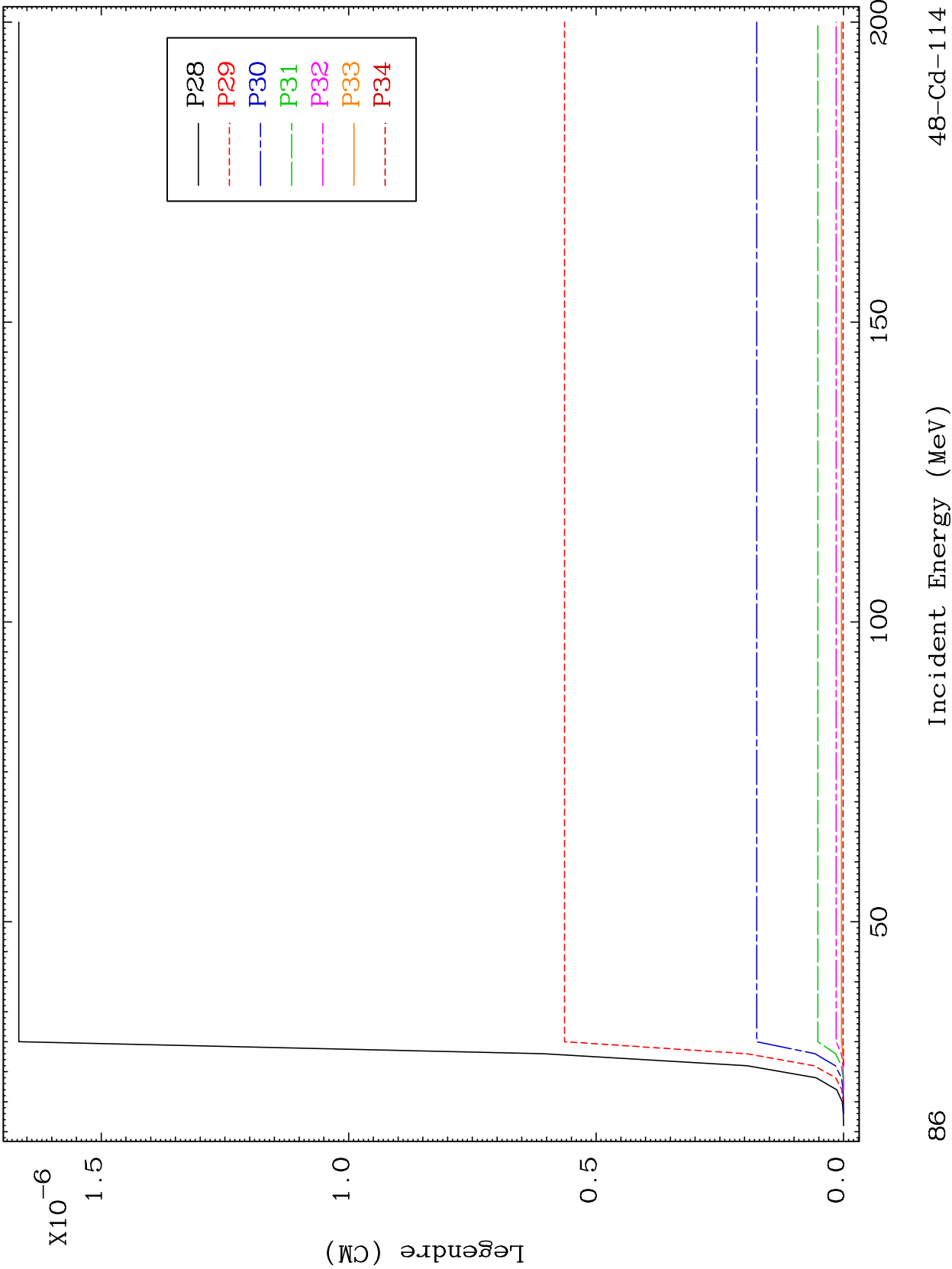
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114

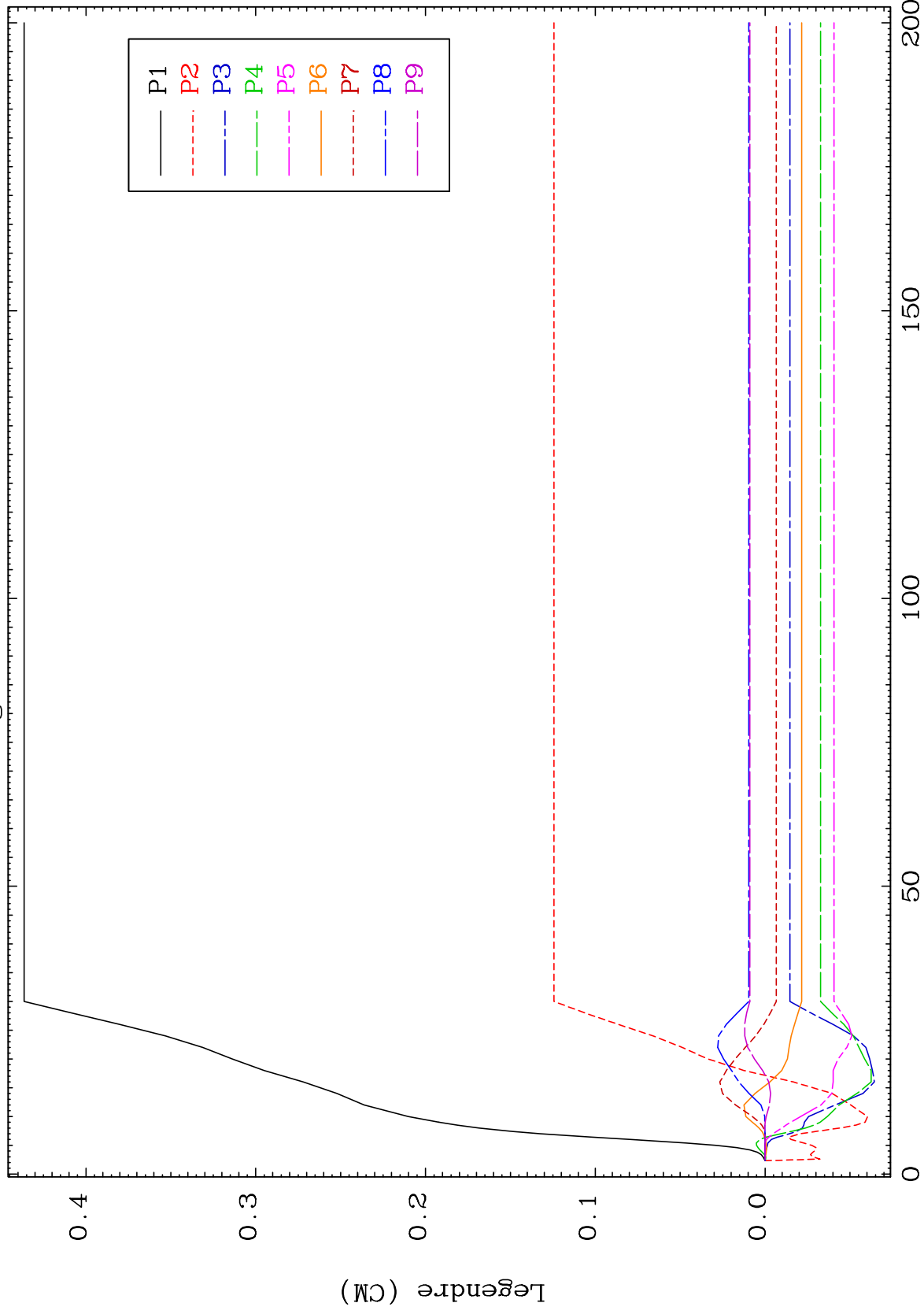


86

MAT 4849

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

48-Cd-114



87

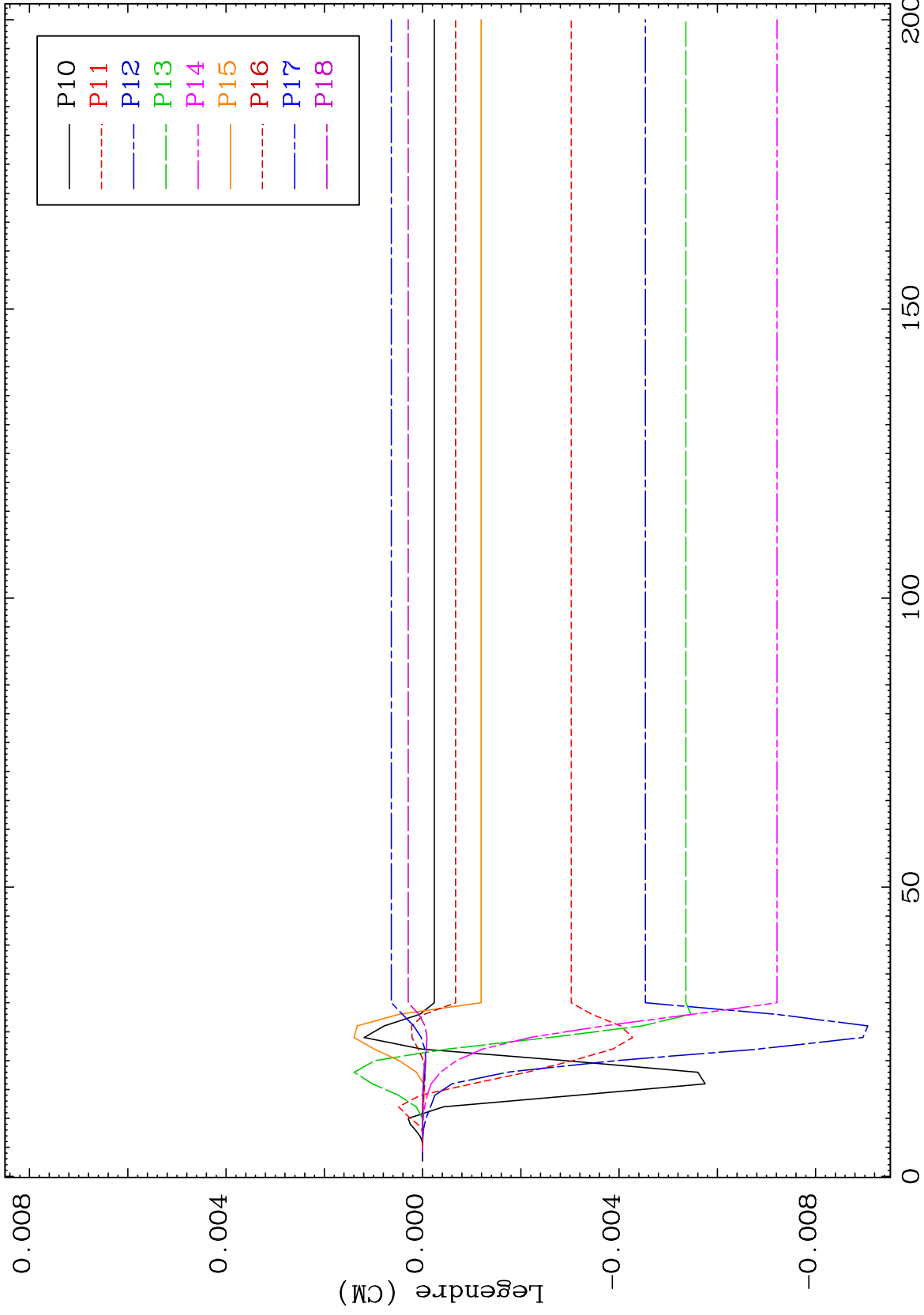
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



88

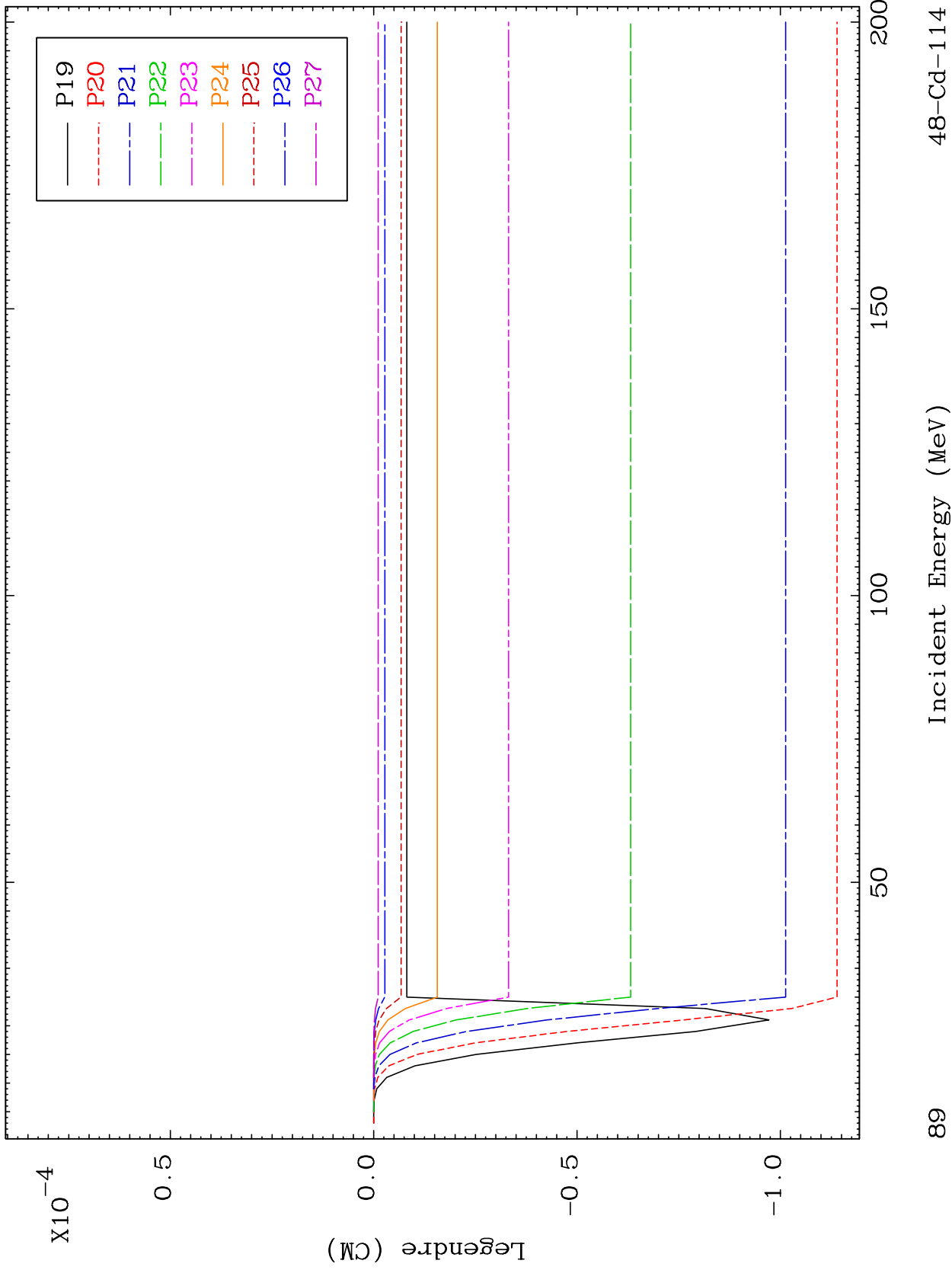
Incident Energy (MeV)

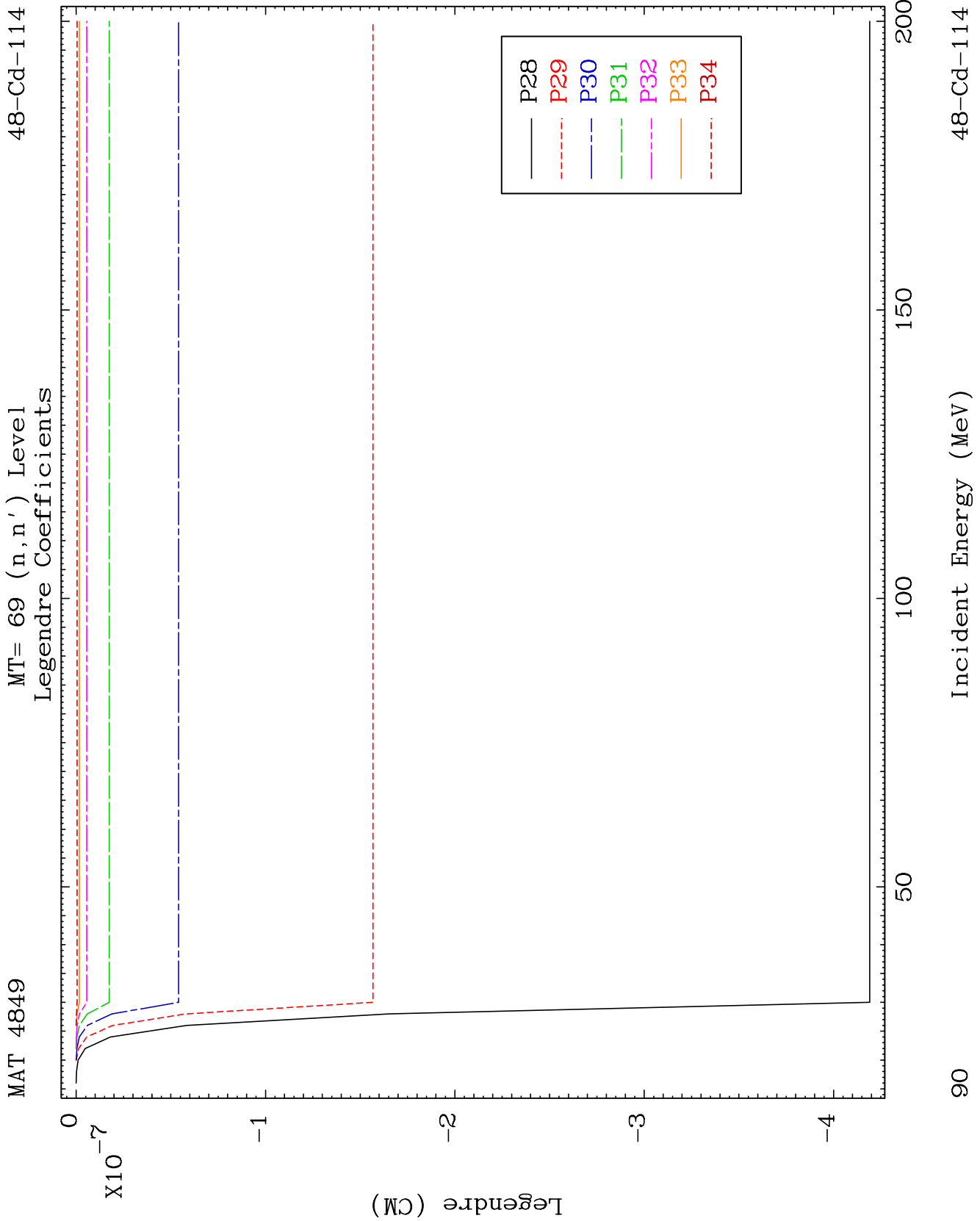
48-Cd-114

MAT 4849

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

48-Cd-114

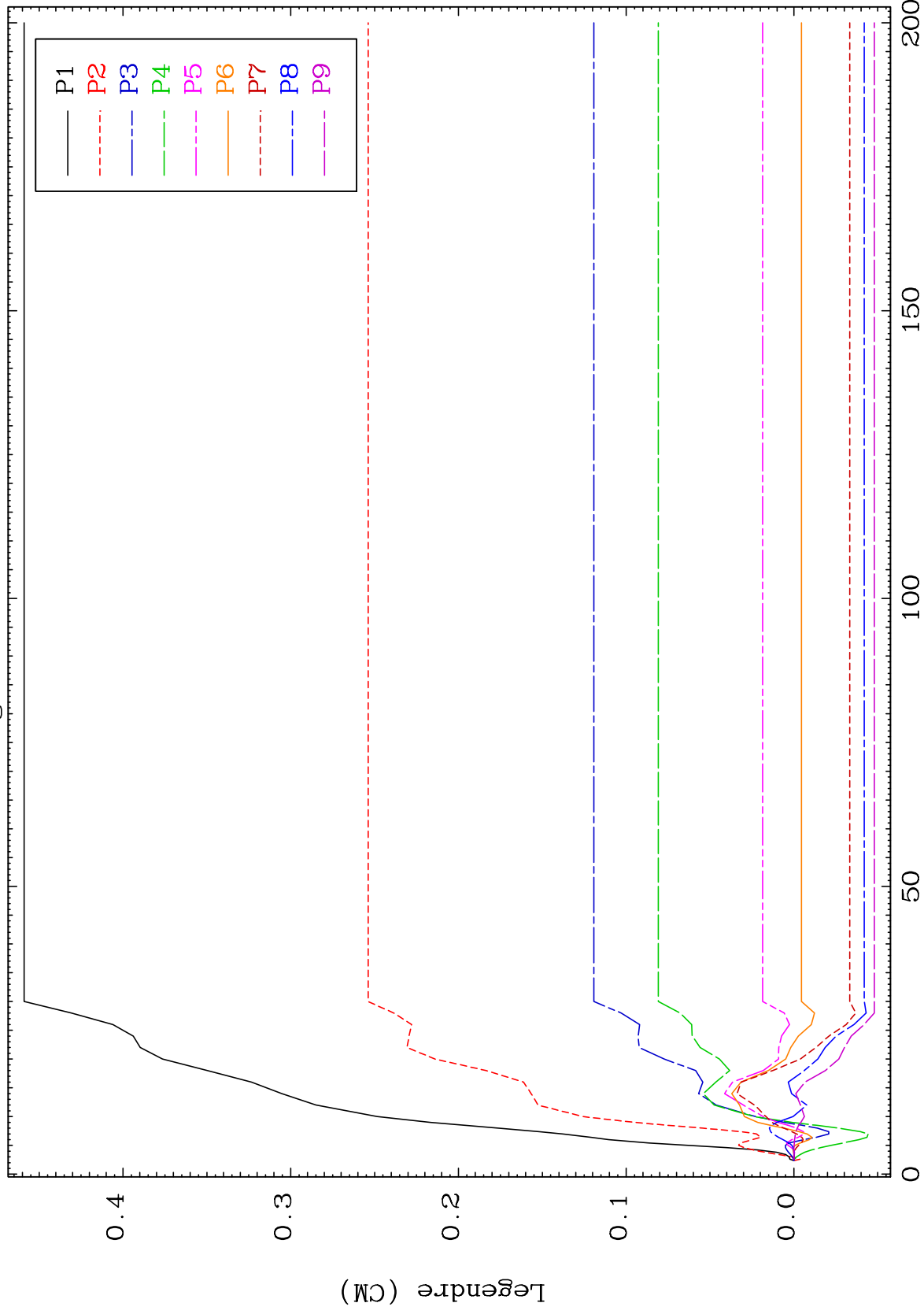




MAT 4849

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

48-Cd-114



91

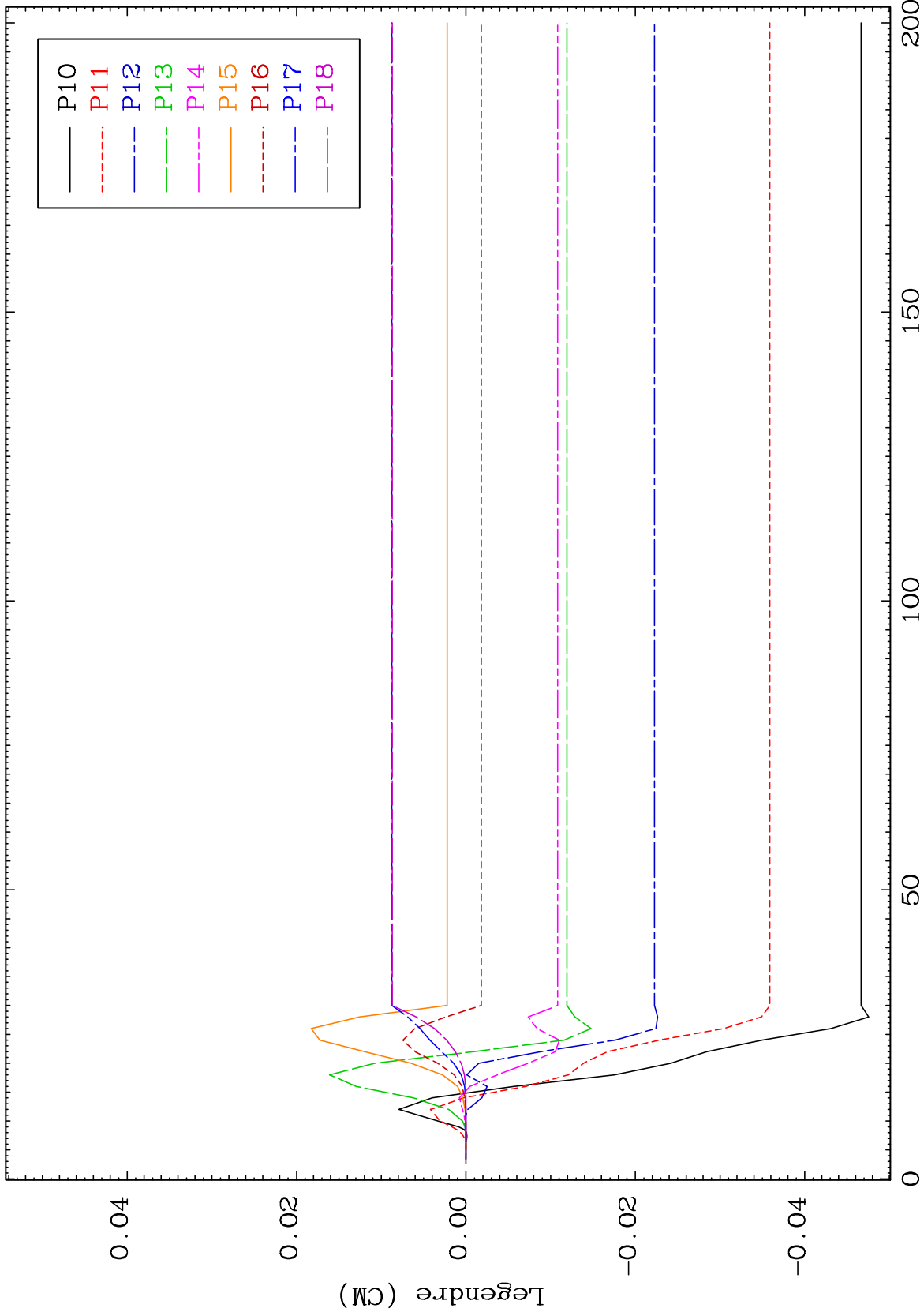
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



92

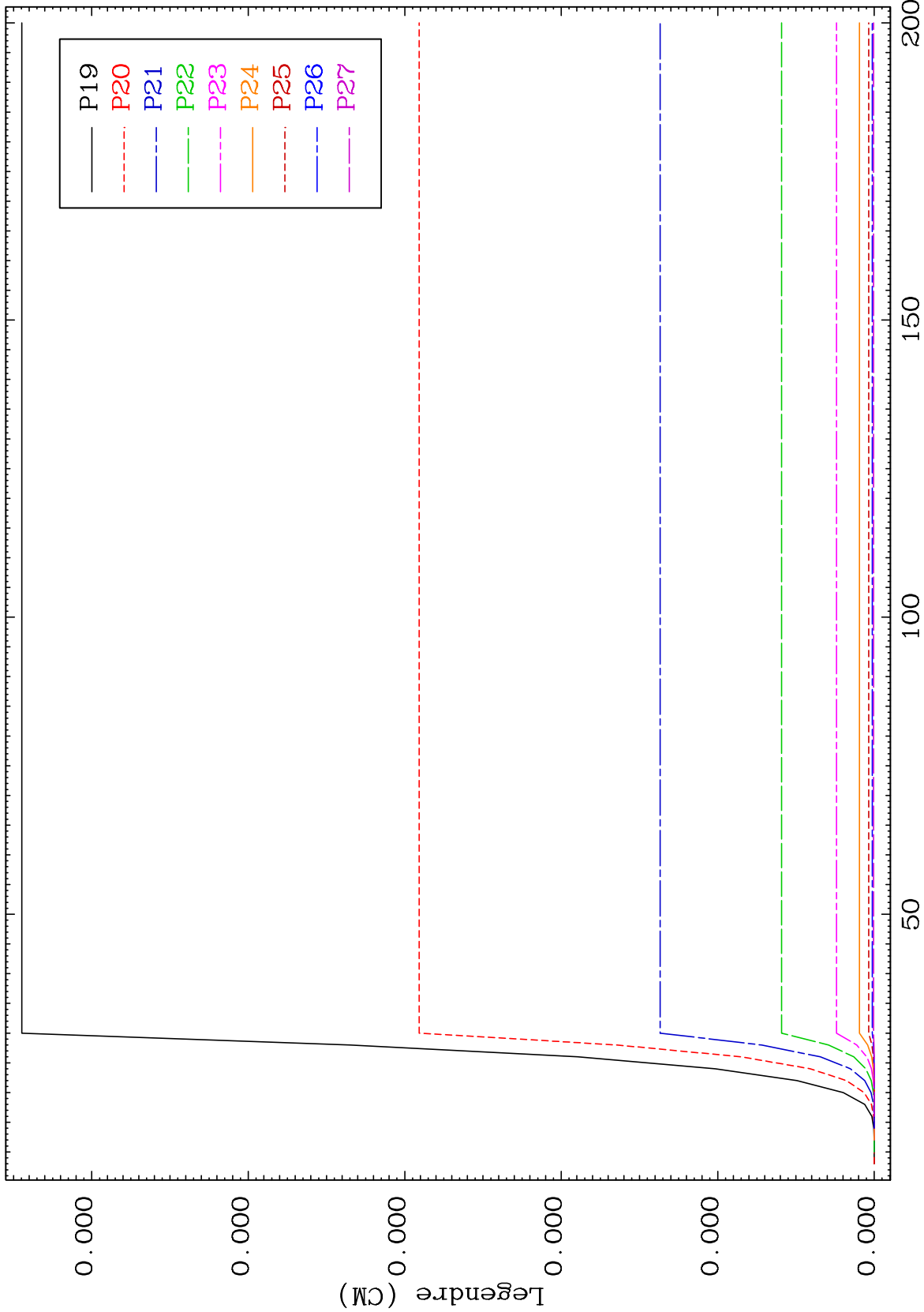
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



93

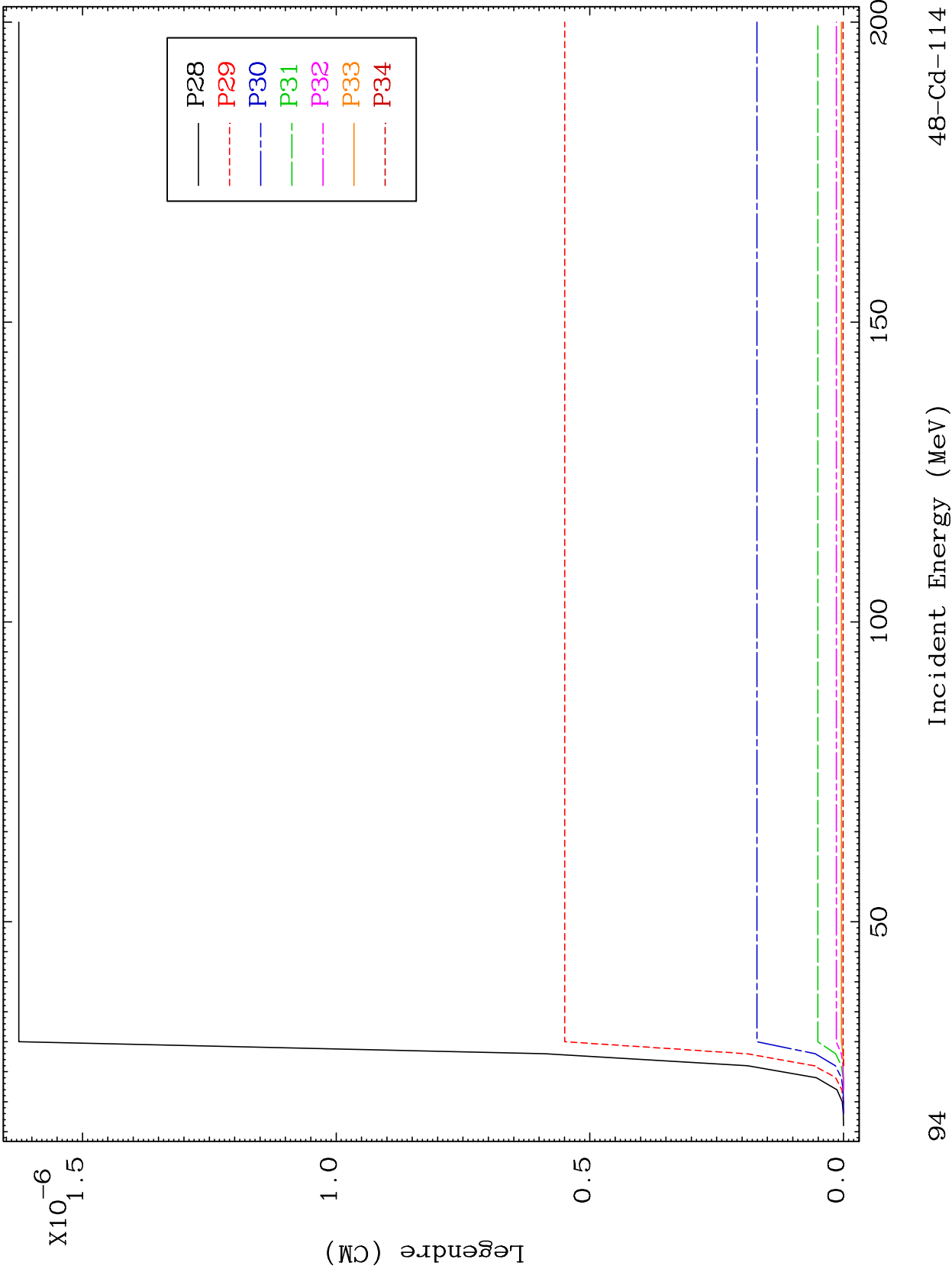
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

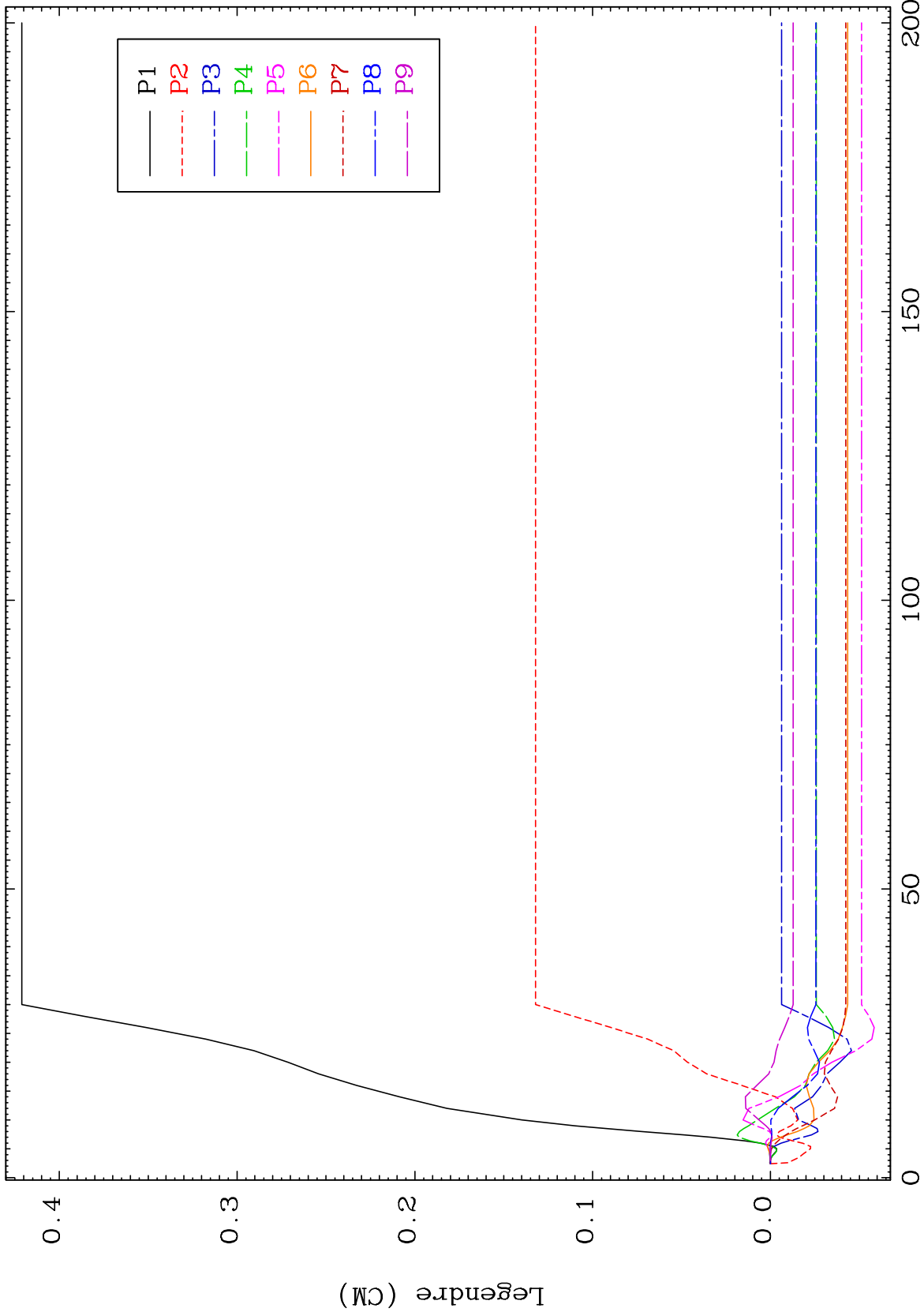
48-Cd-114



MAT 4849

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

48-Cd-114



95

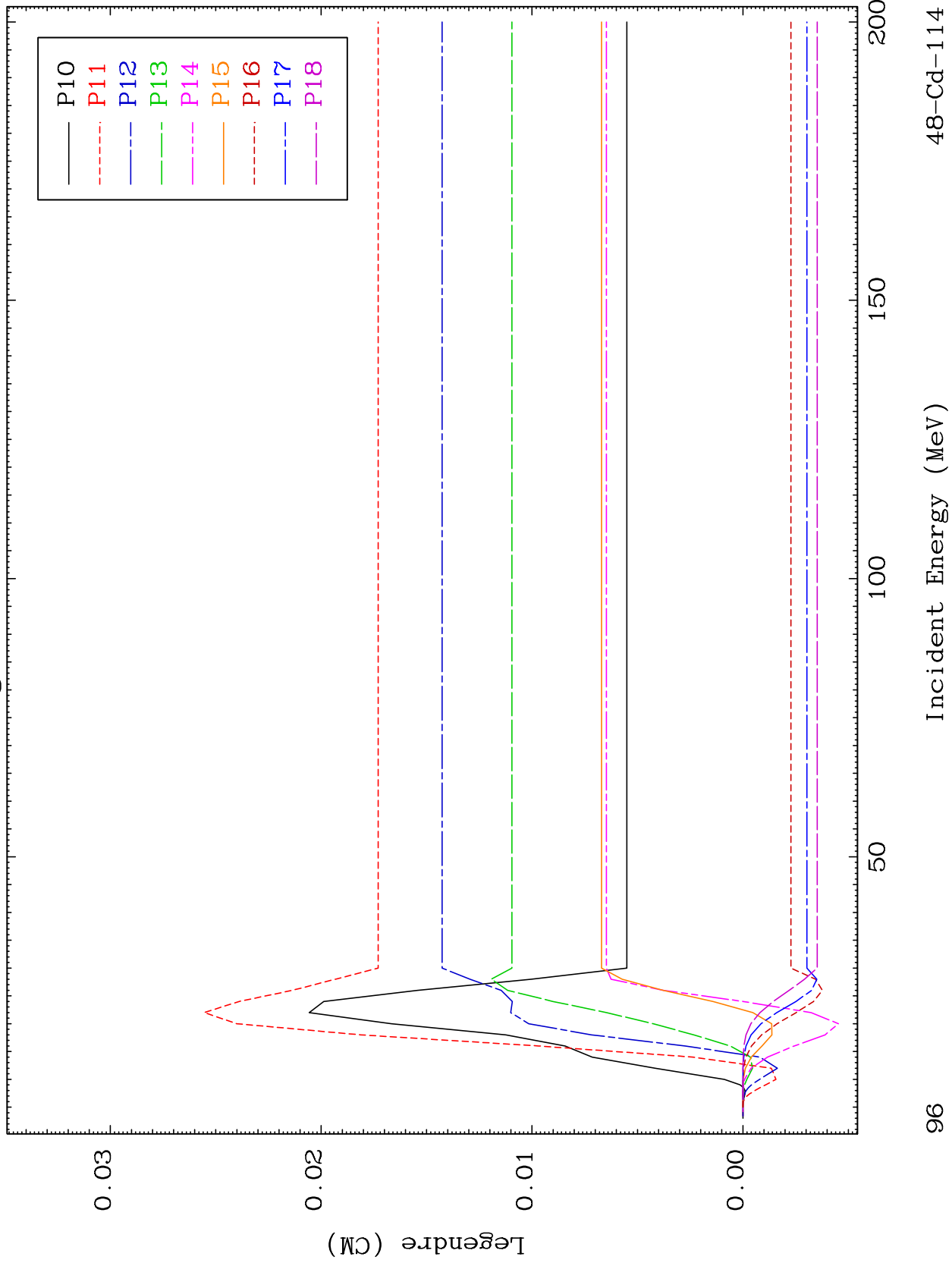
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



96

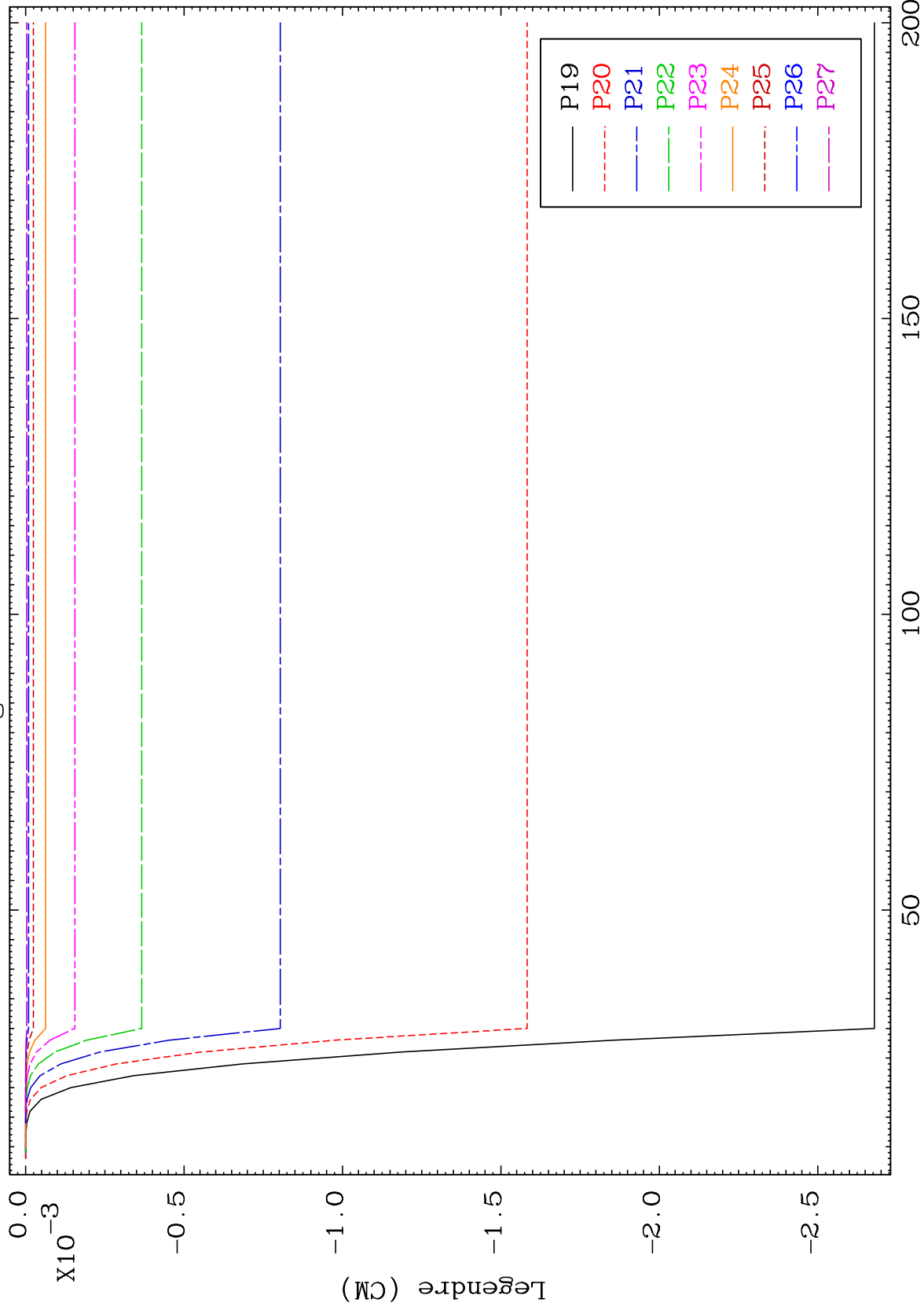
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

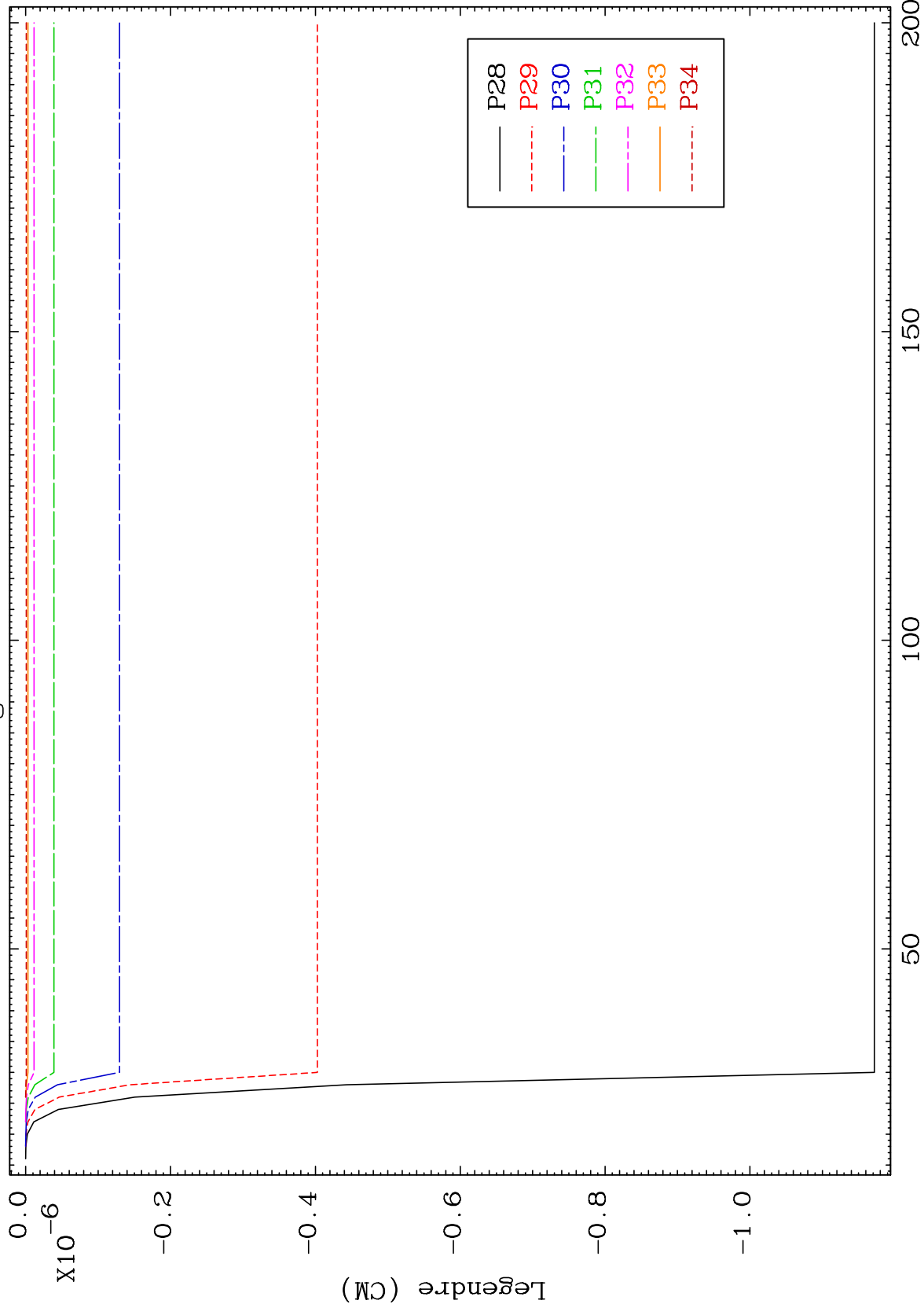
48-Cd-114



MAT 4849

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

48-Cd-114



98

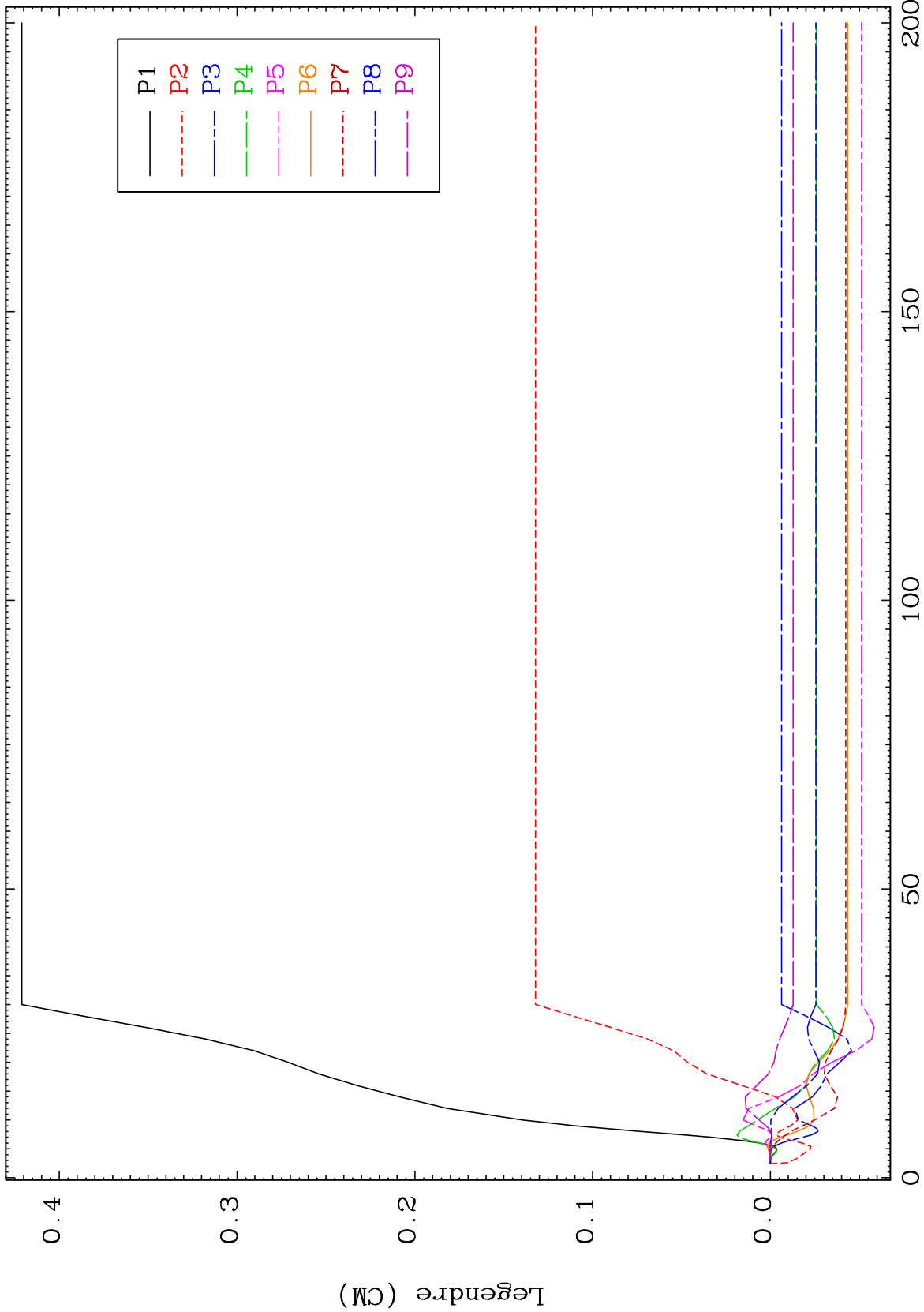
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



99

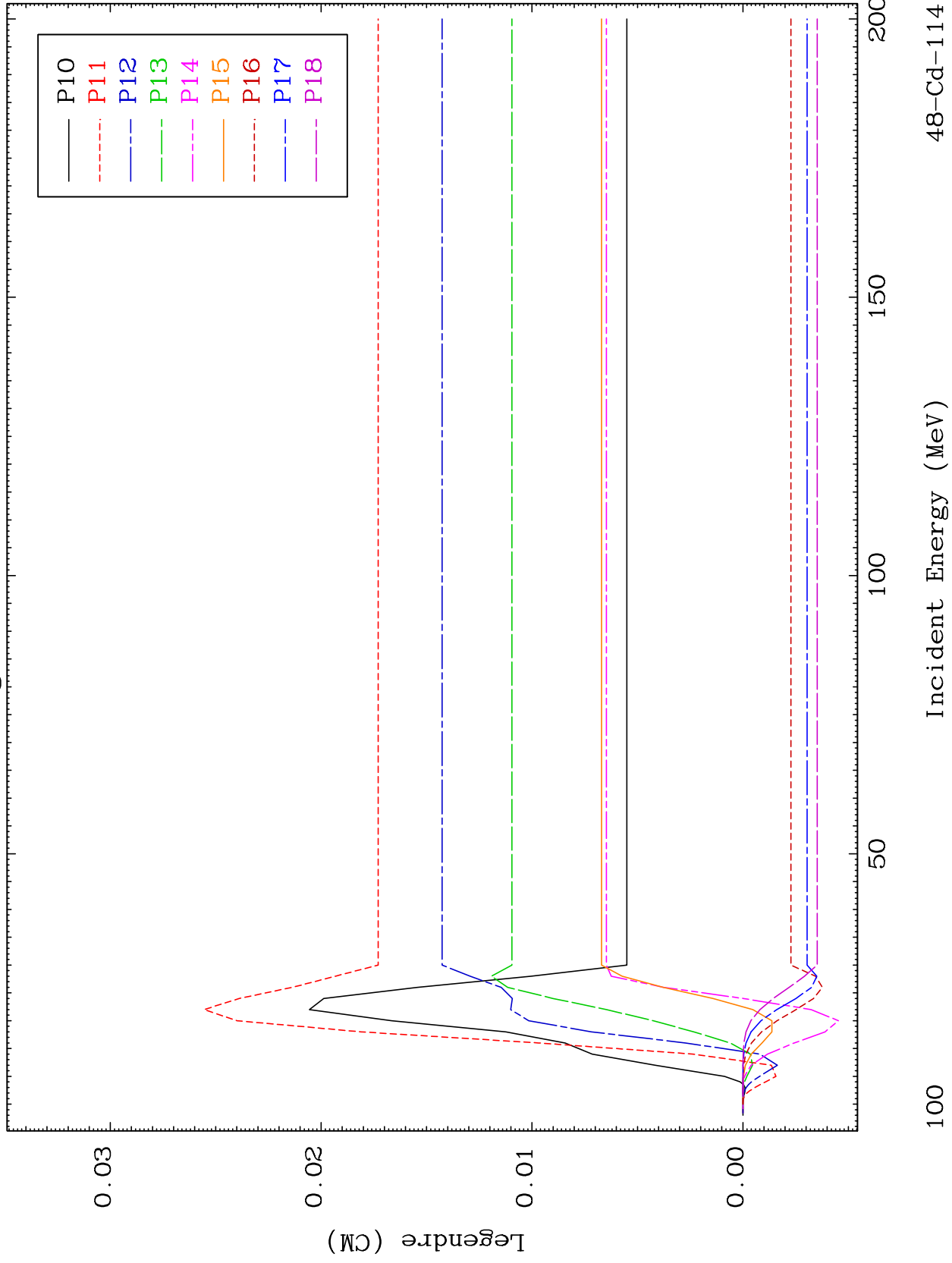
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114

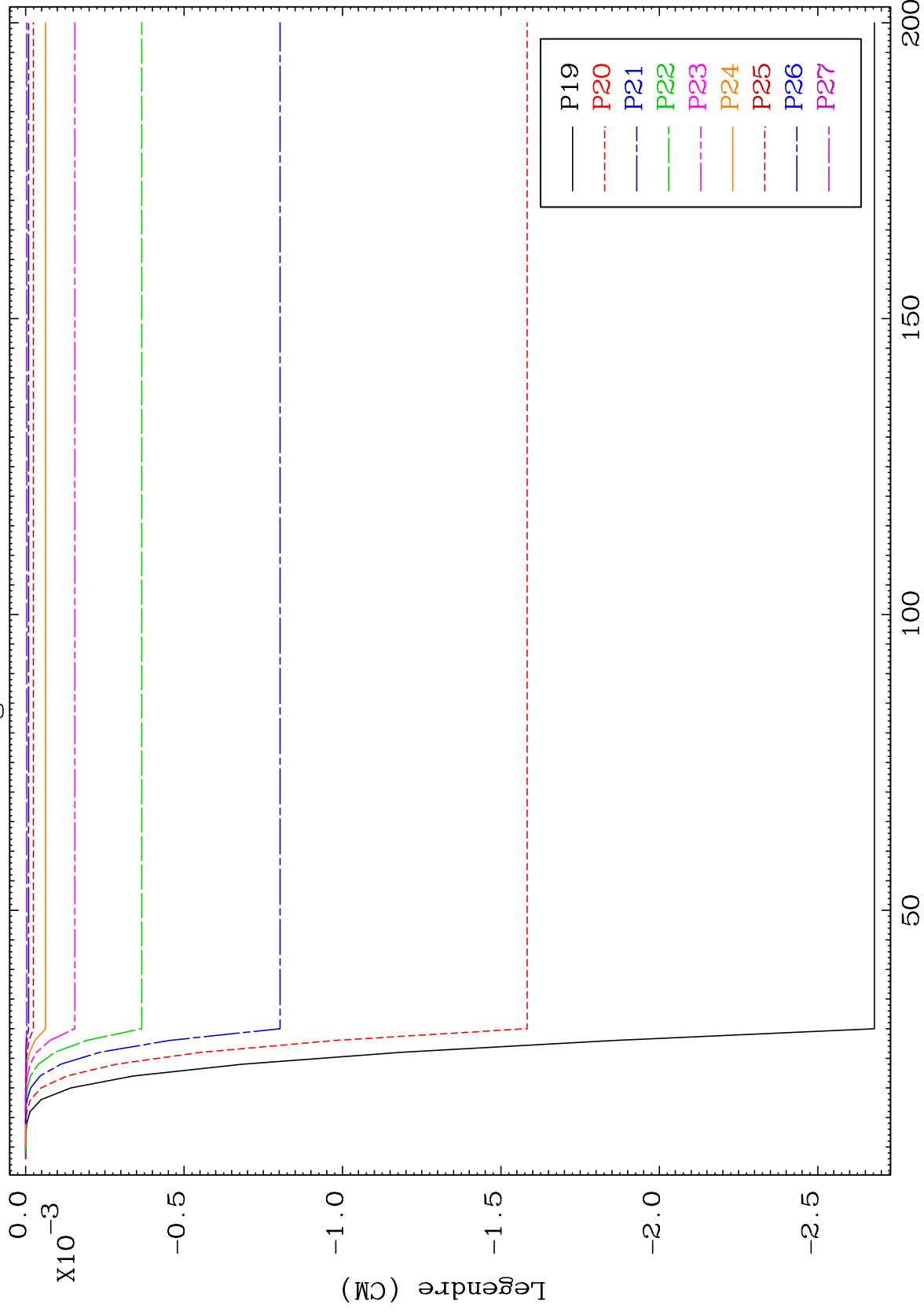


48-Cd-114

MAT 4849

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

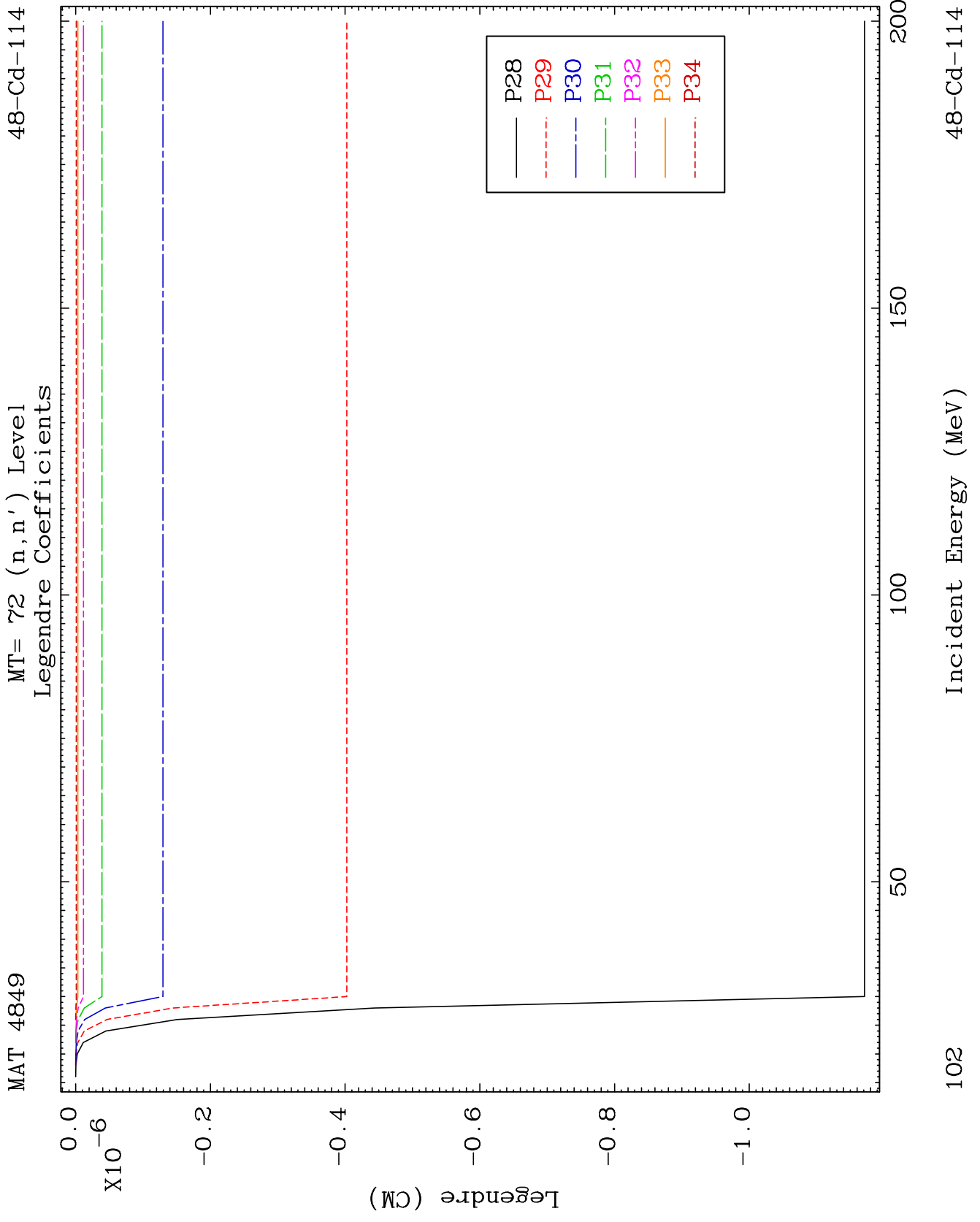
48-Cd-114



101

Incident Energy (MeV)

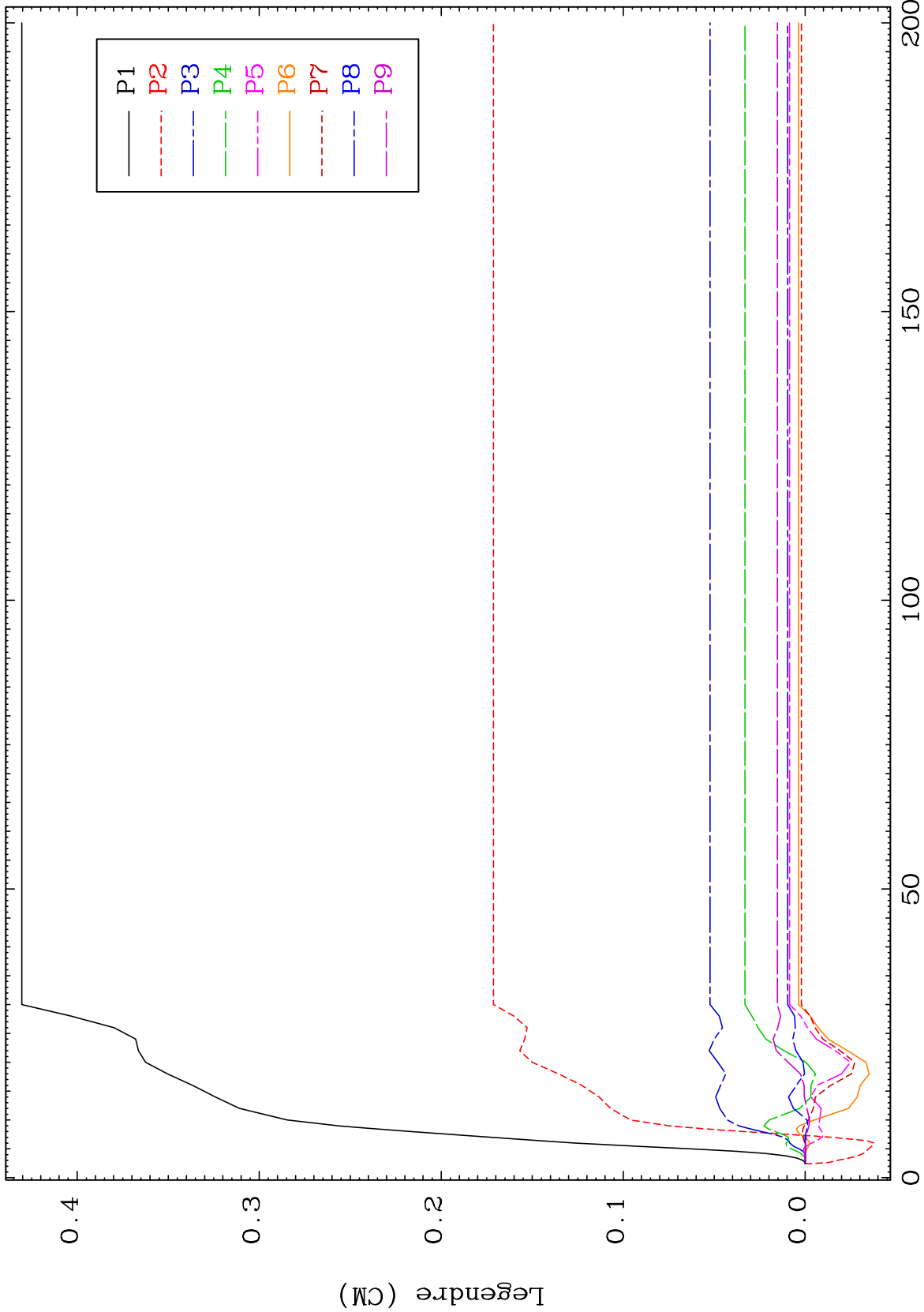
48-Cd-114



MAT 4849

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

48-Cd-114



103

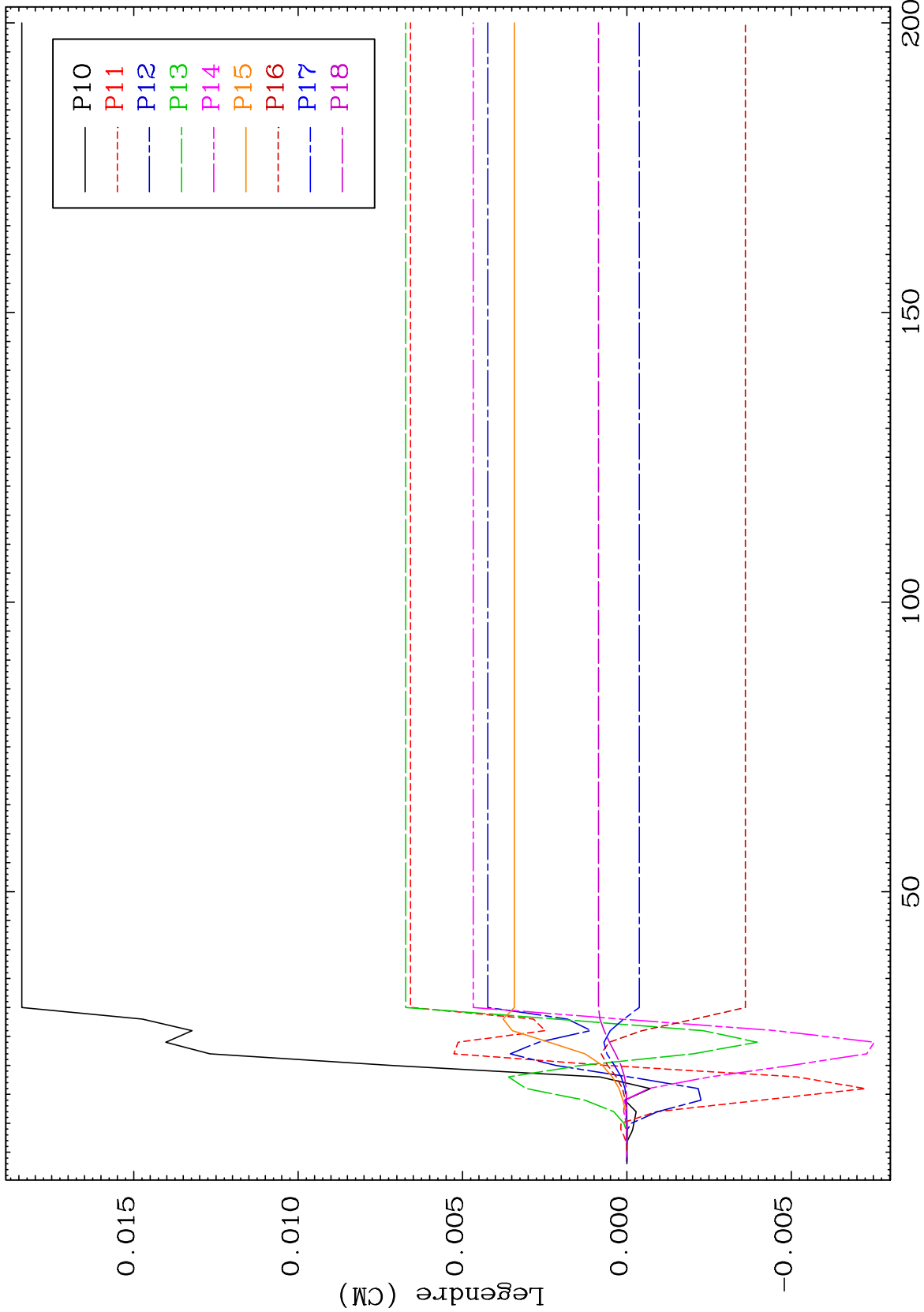
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



104

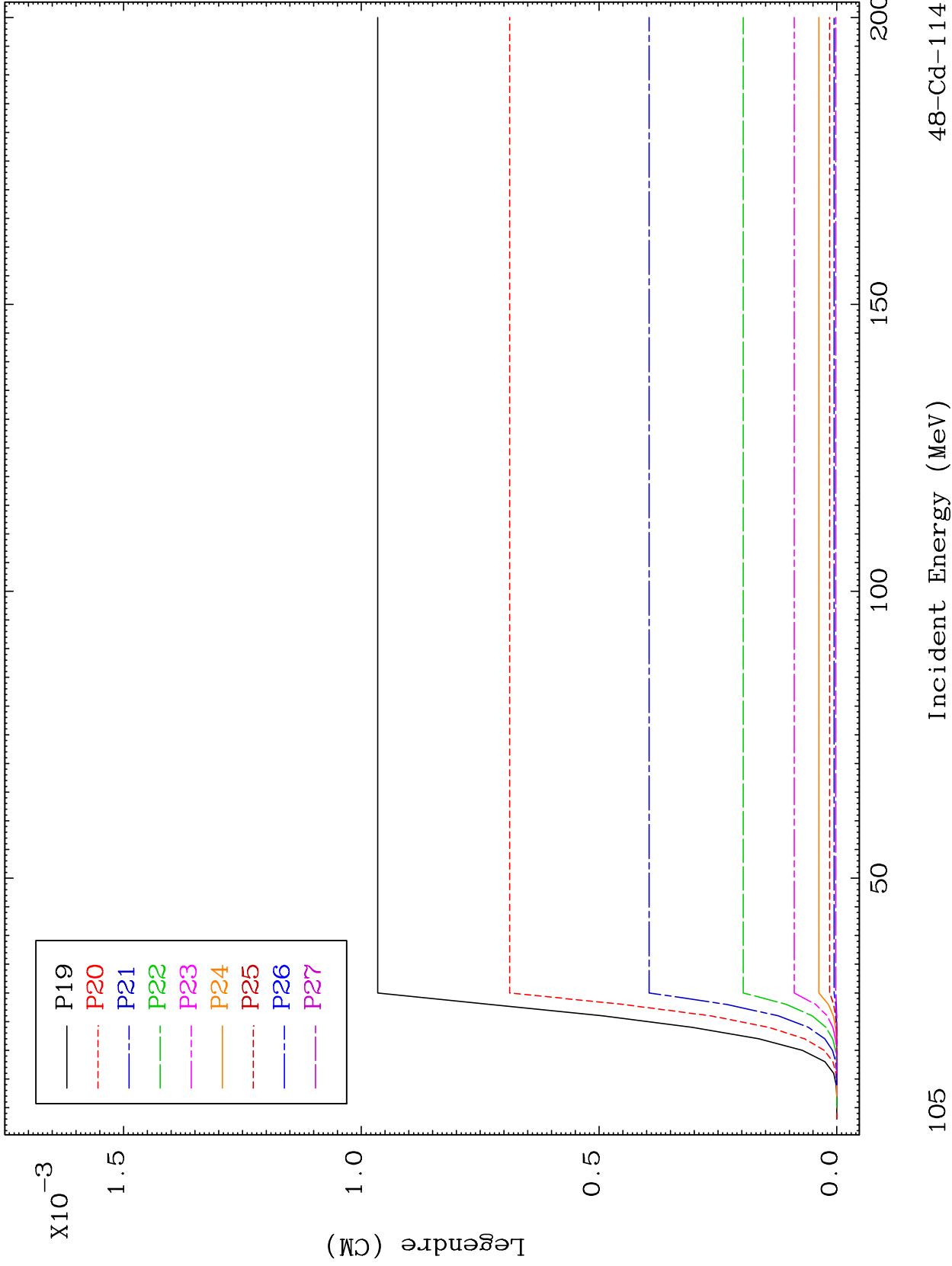
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

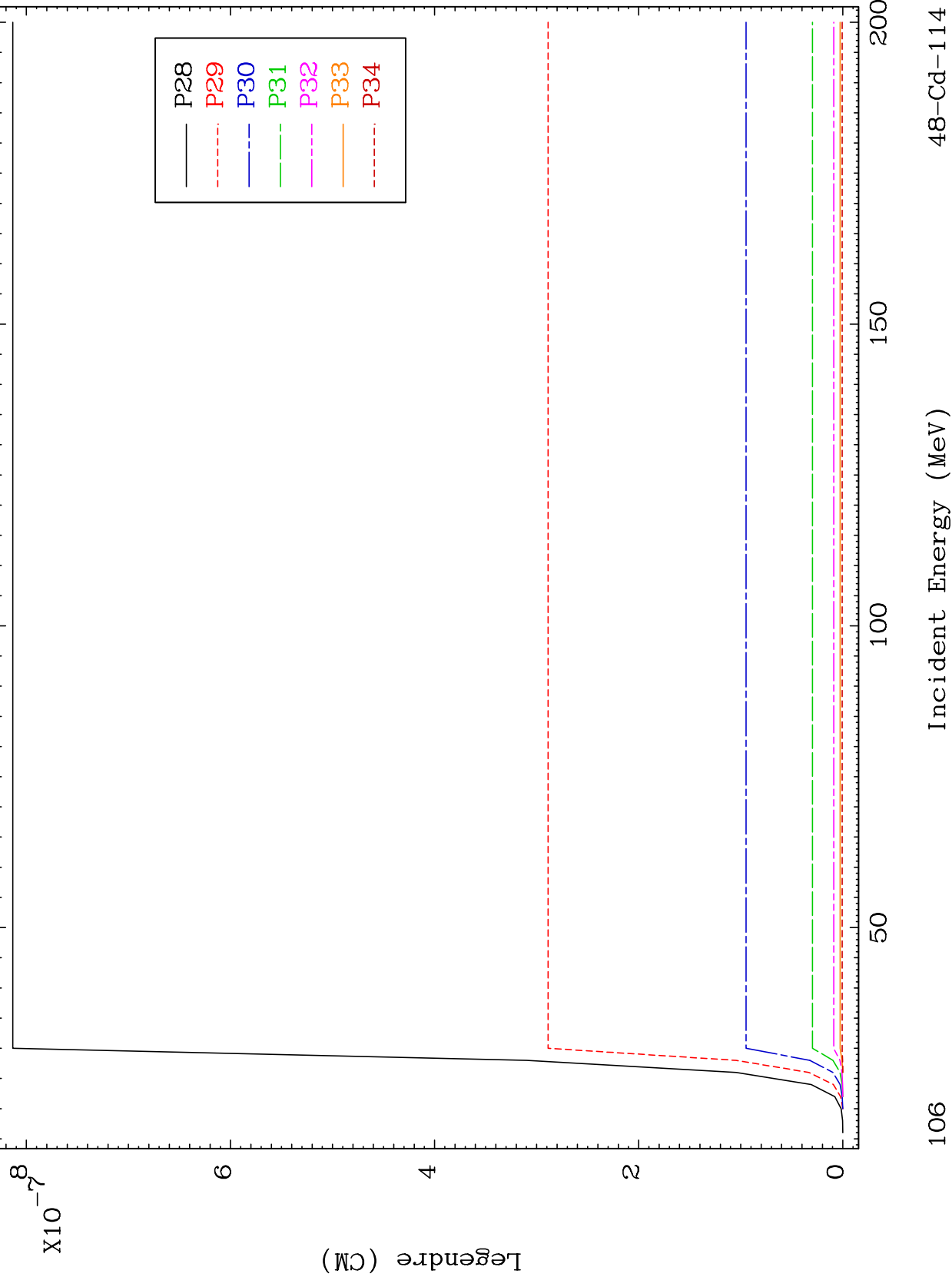
48-Cd-114



MAT 4849

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

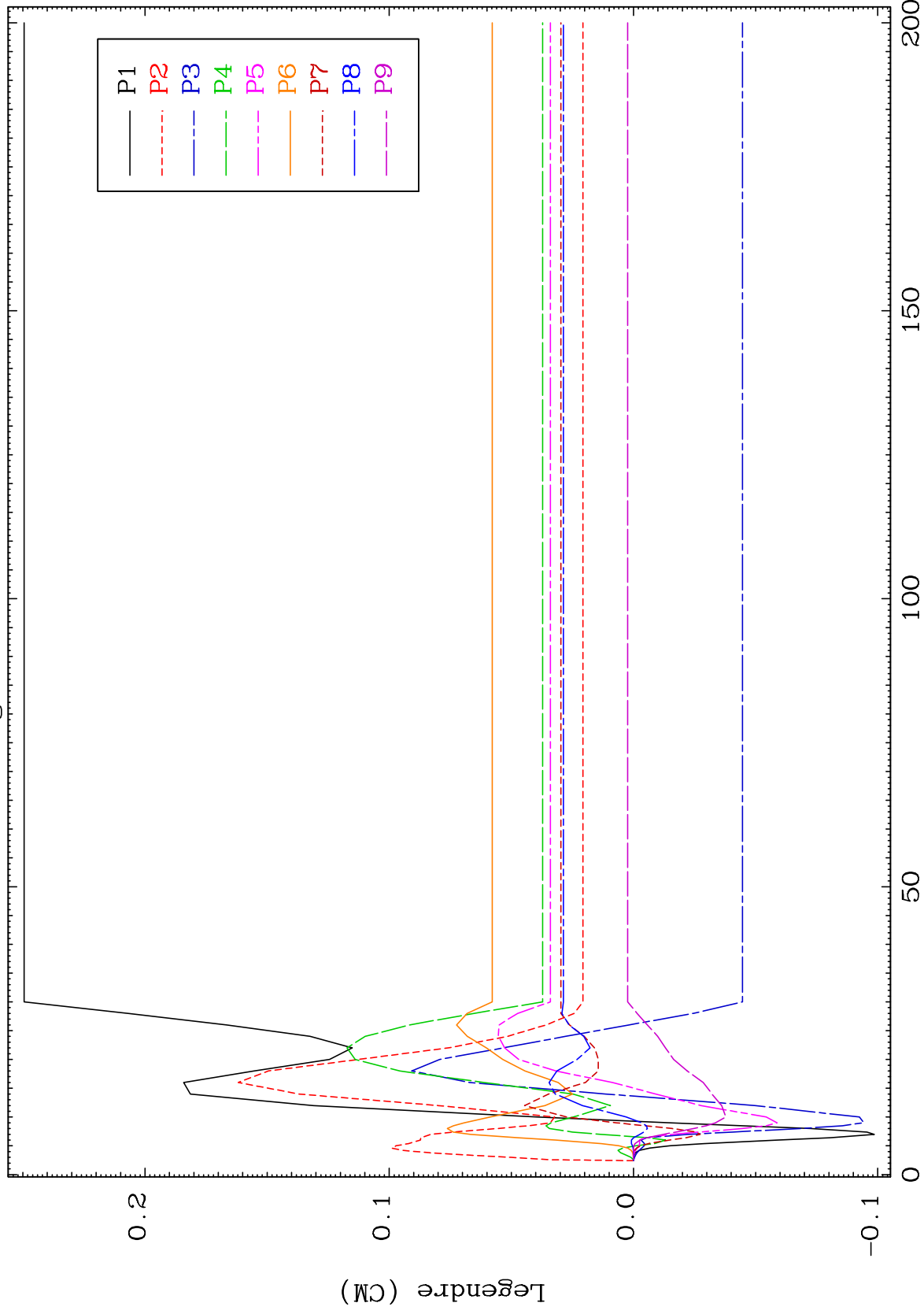
48-Cd-114



MAT 4849

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

48-Cd-114



107

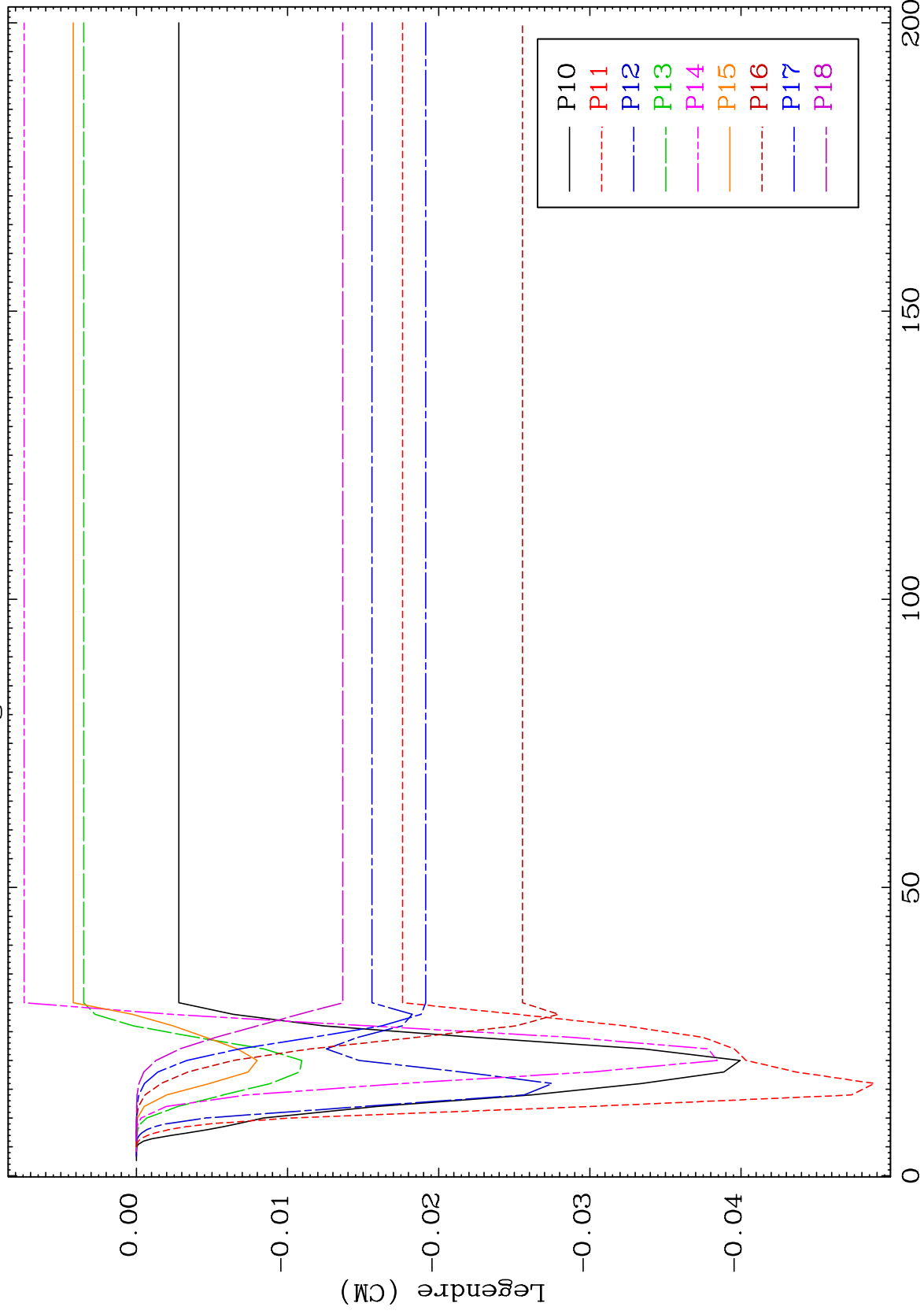
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

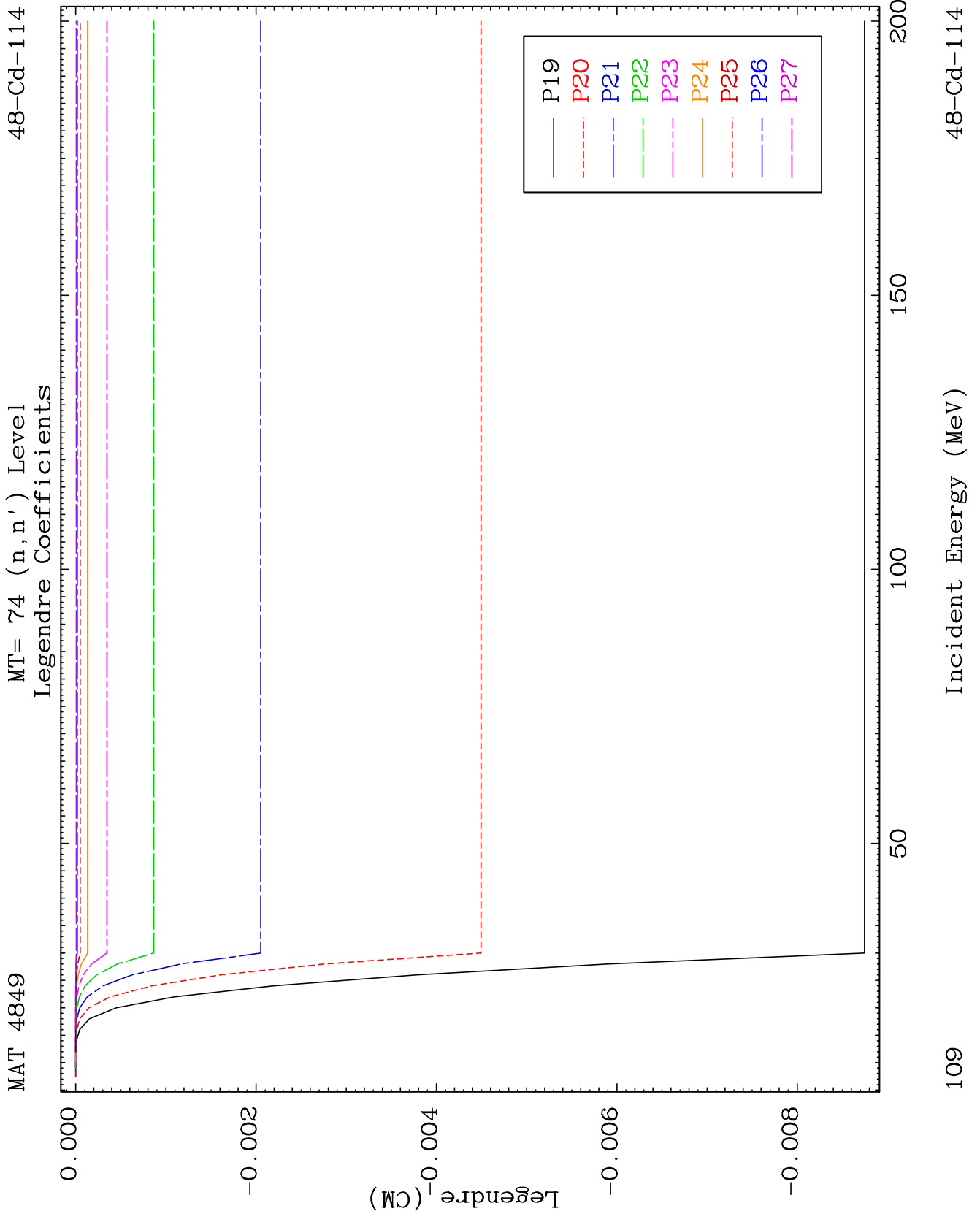
48-Cd-114

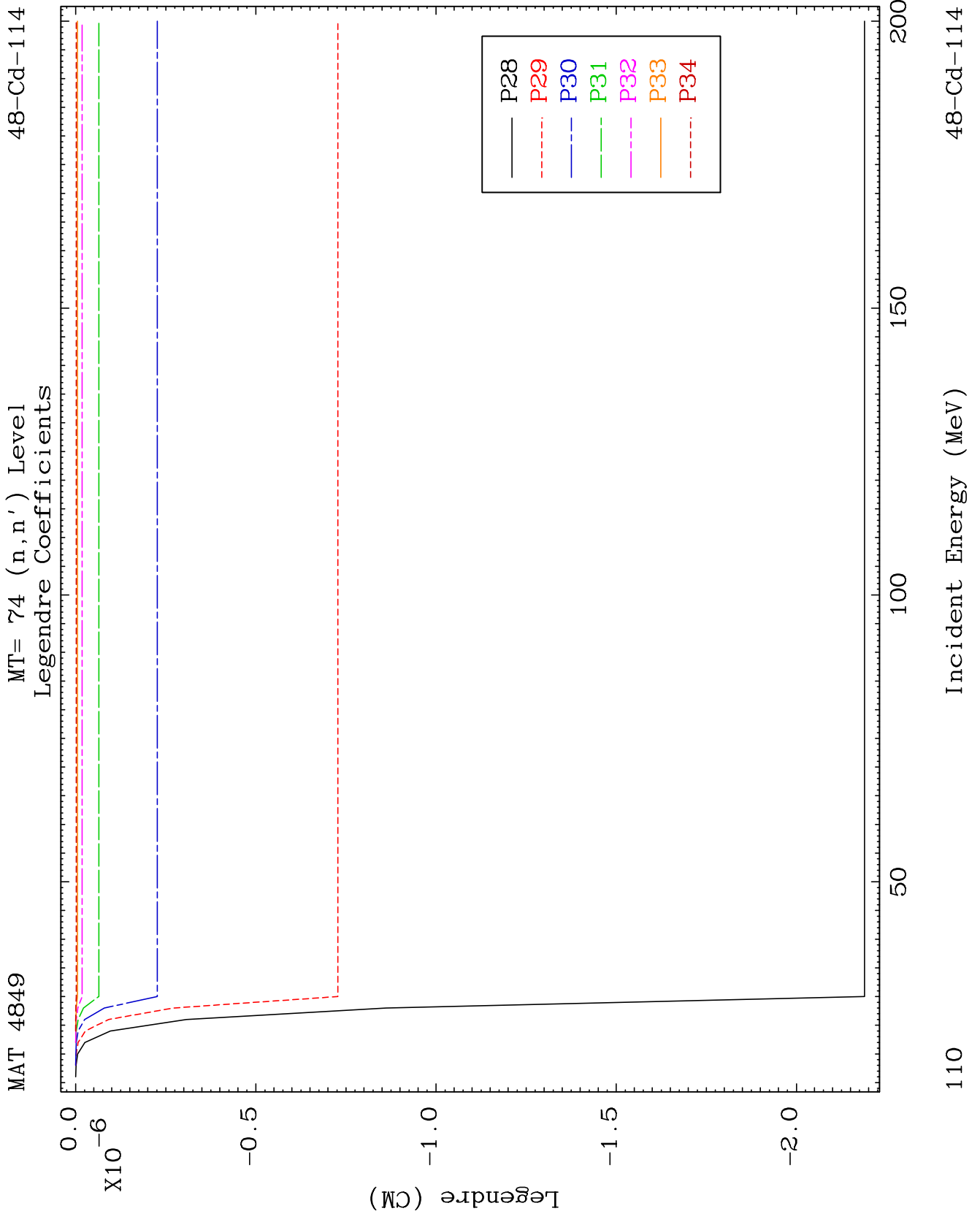


108

Incident Energy (MeV)

48-Cd-114

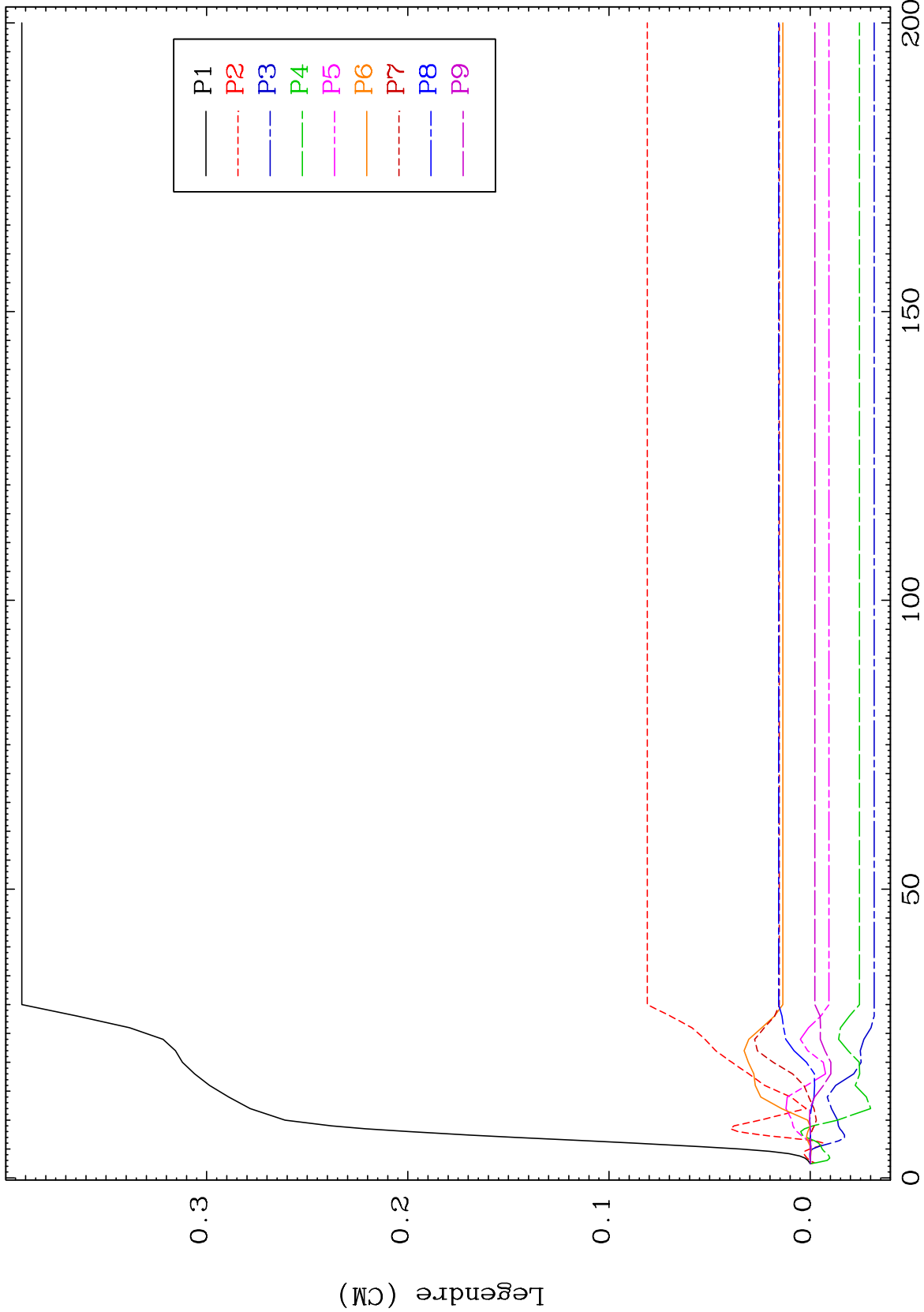




MAT 4849

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

48-Cd-114



111

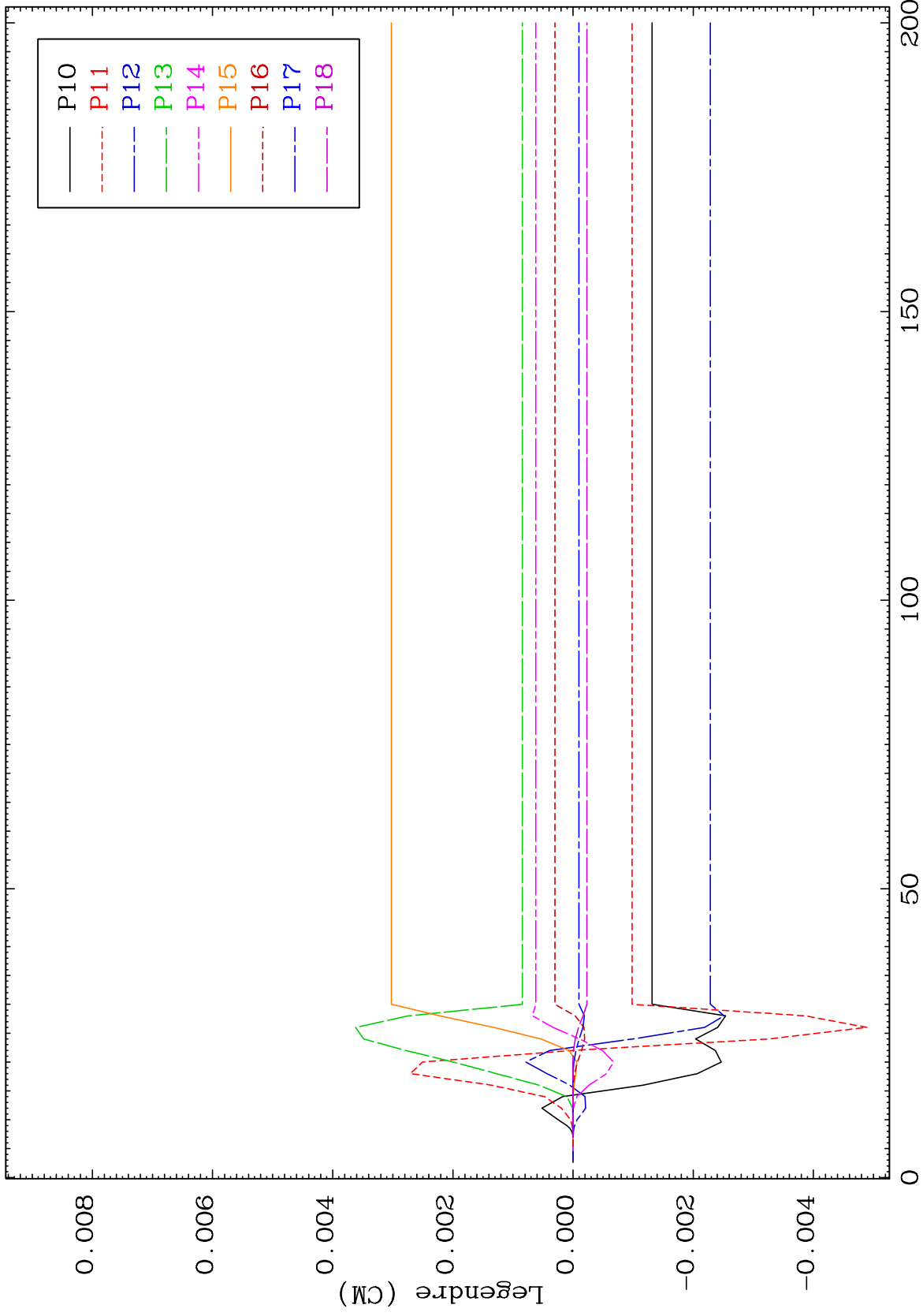
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



112

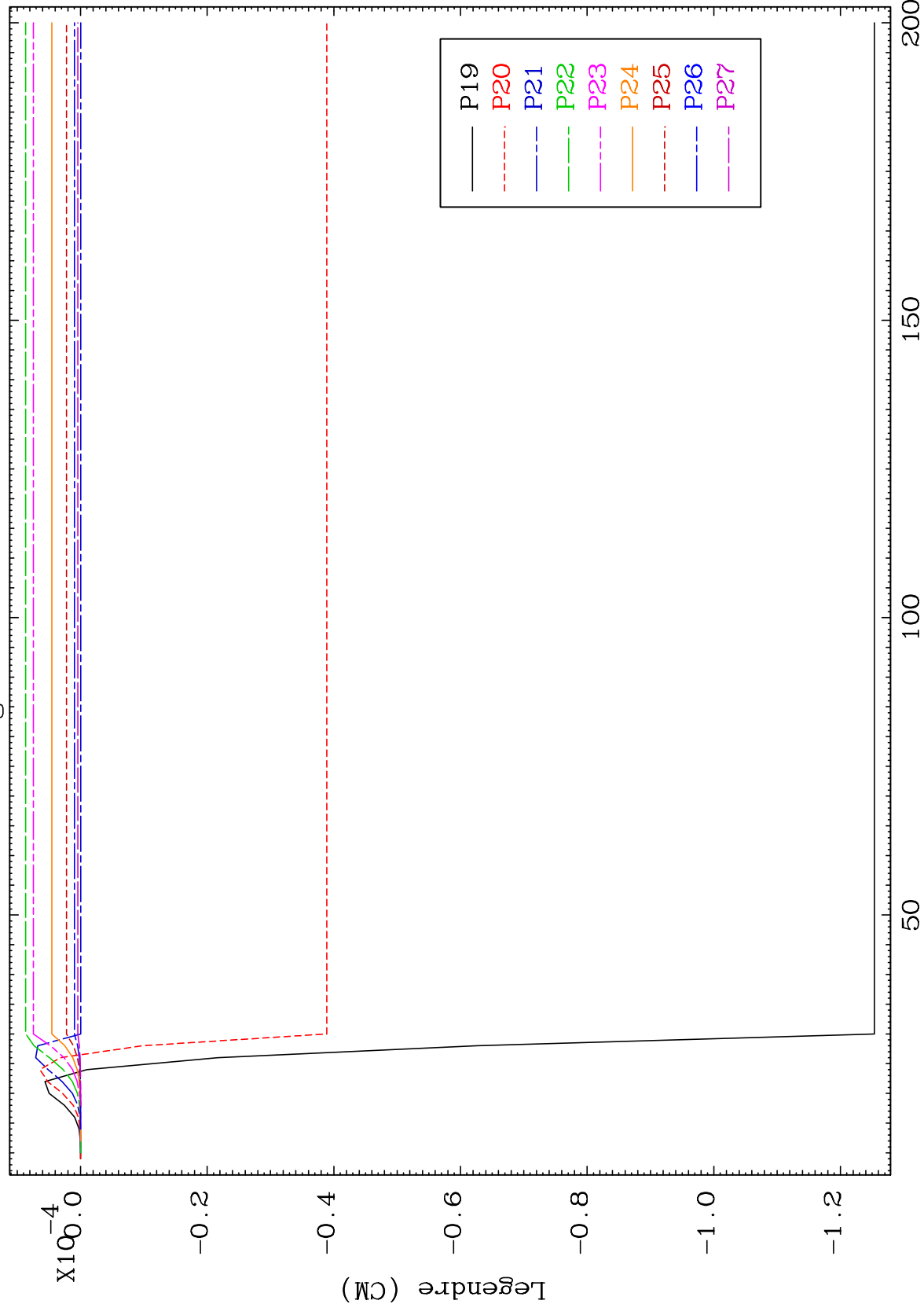
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



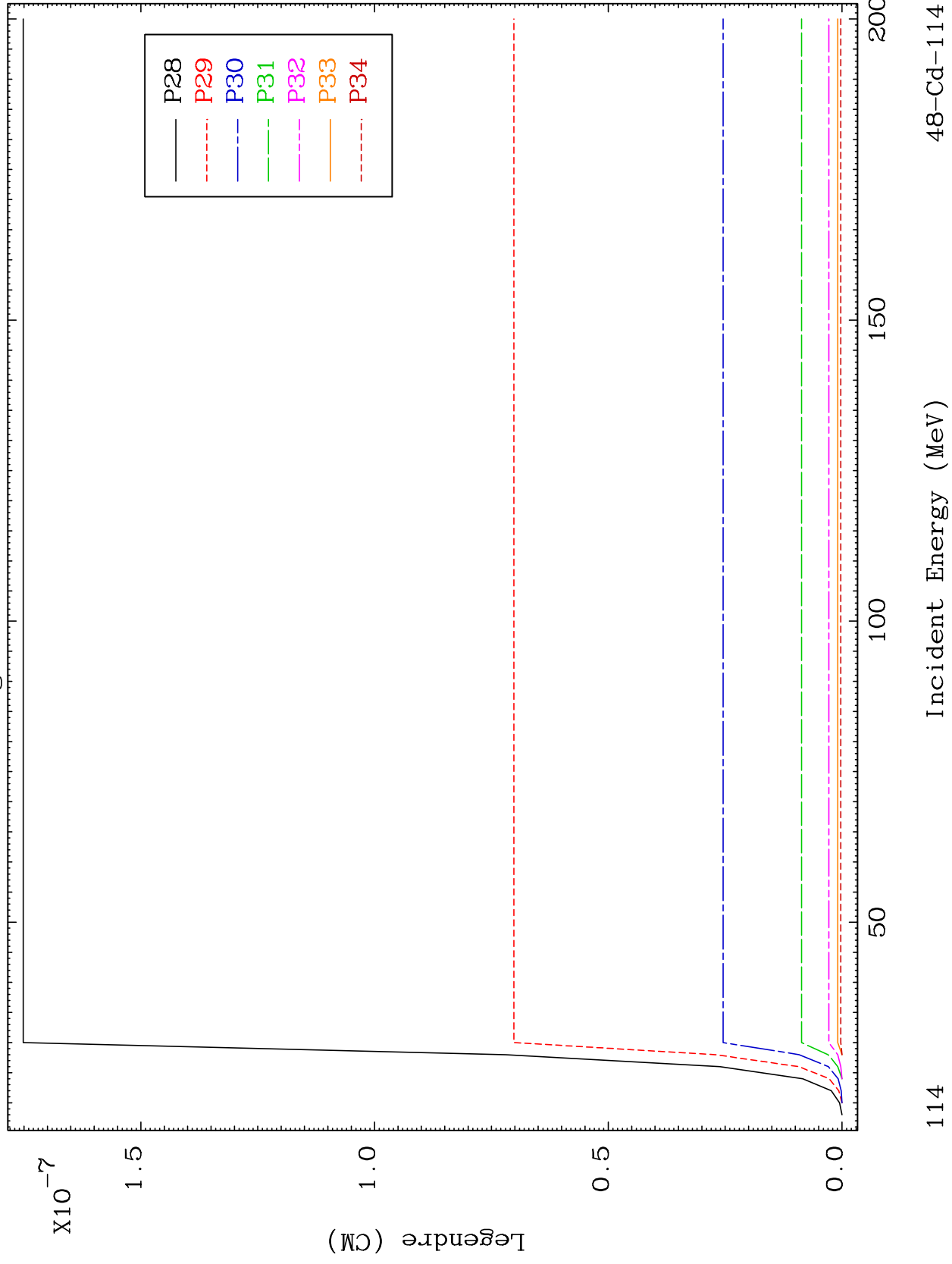
113

48-Cd-114

MAT 4849

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

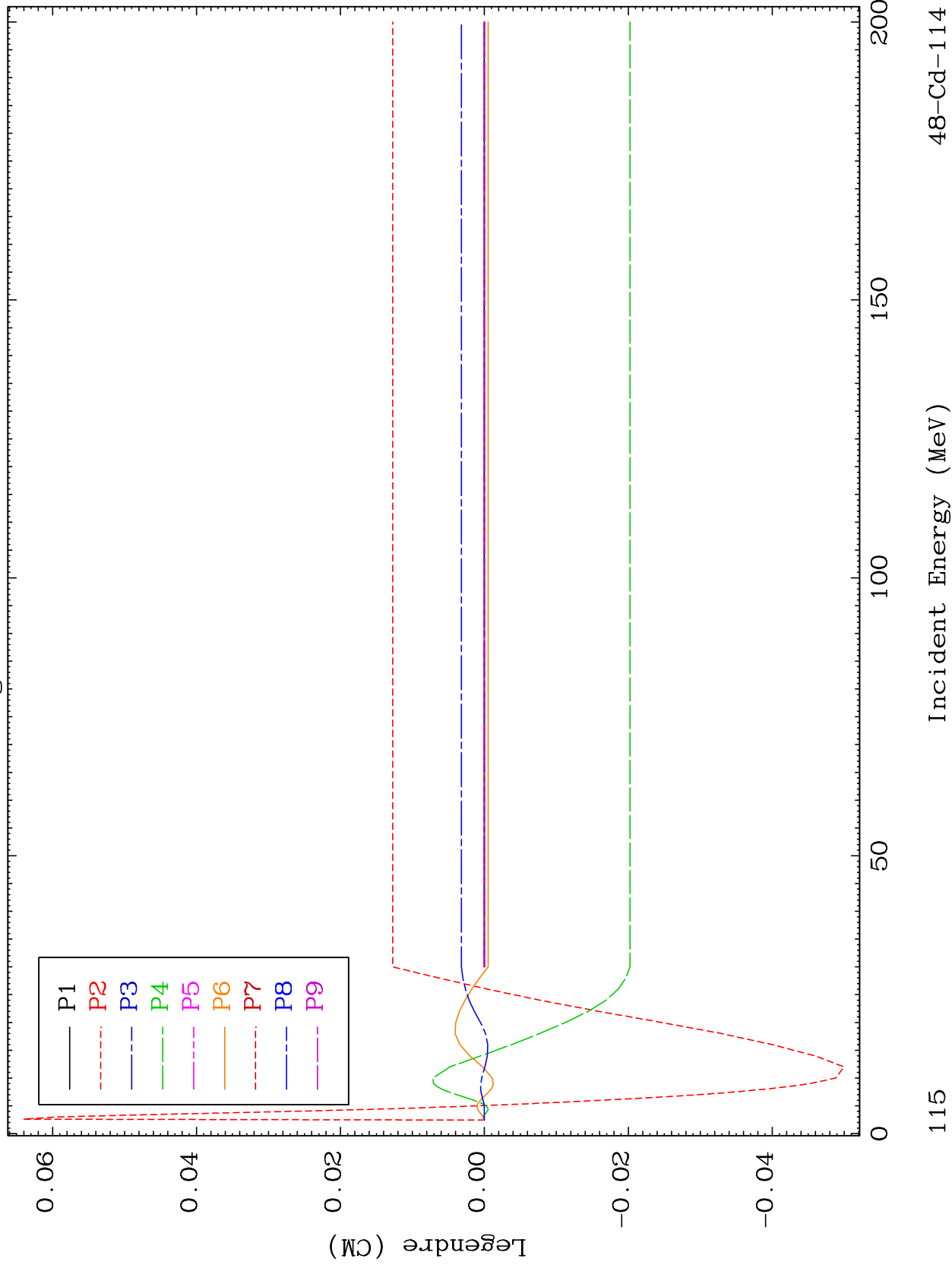
48-Cd-114



MAT 4849

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

48-Cd-114



48-Cd-114

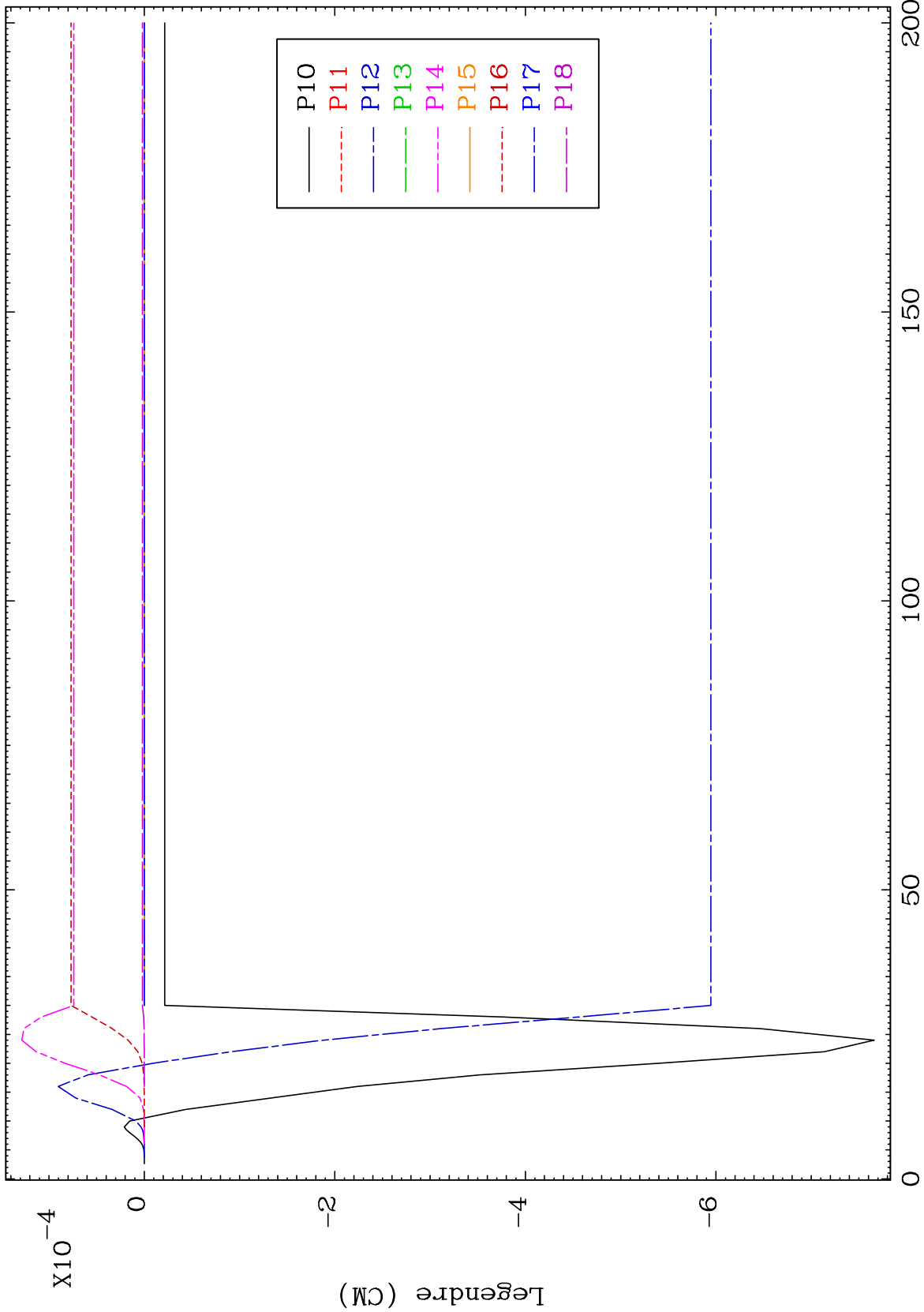
Incident Energy (MeV)

115

MAT 4849

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

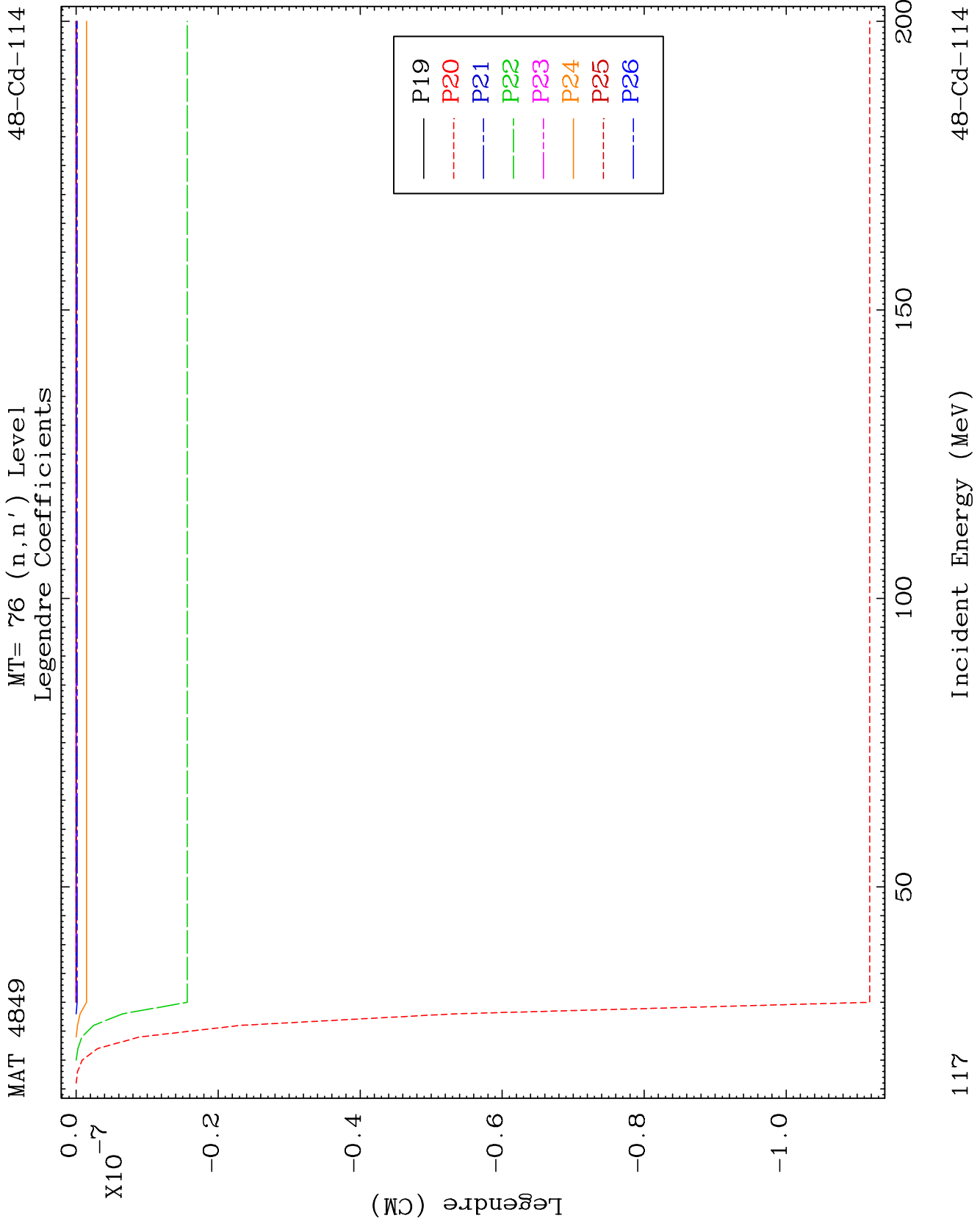
48-Cd-114

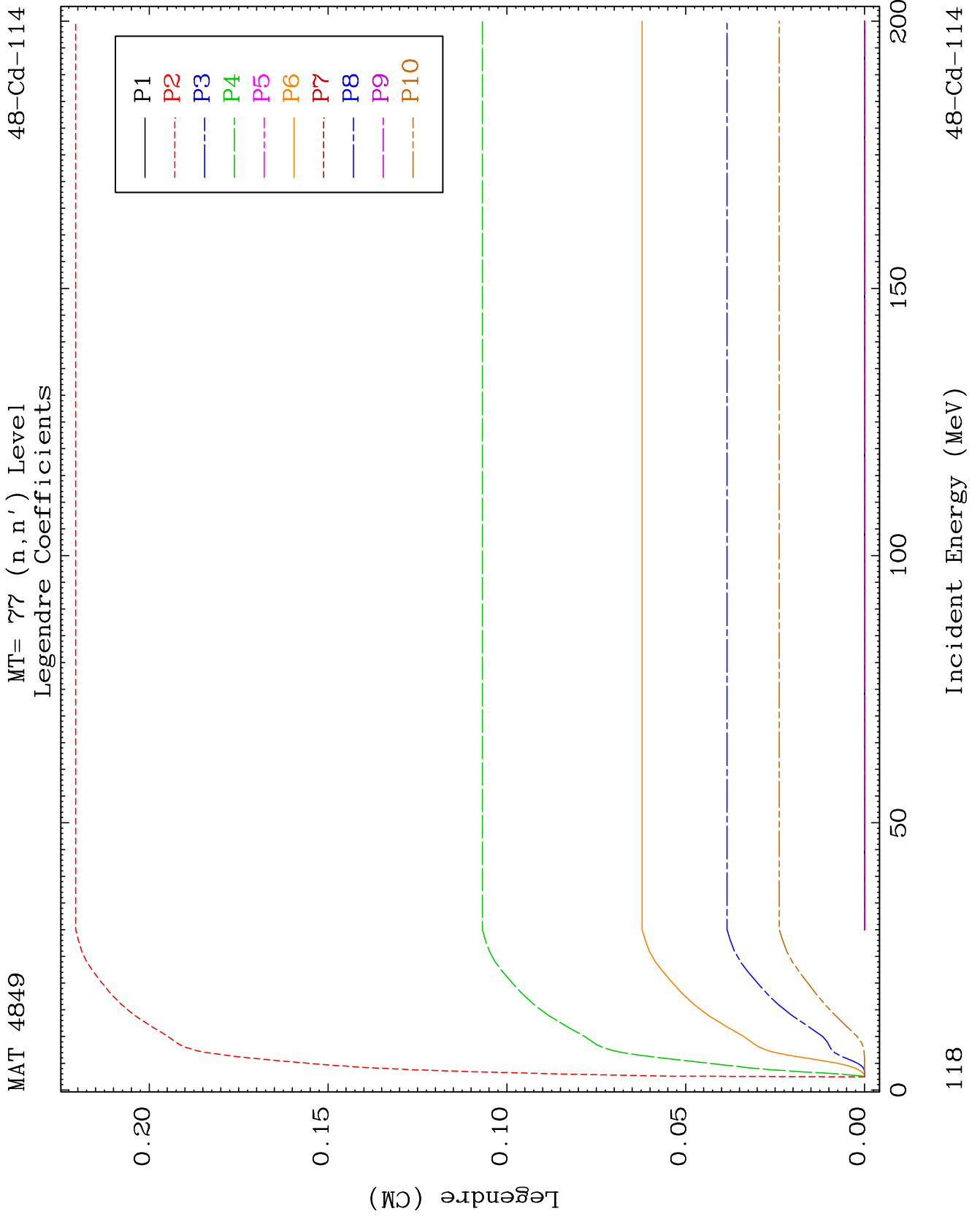


116

Incident Energy (MeV)

48-Cd-114

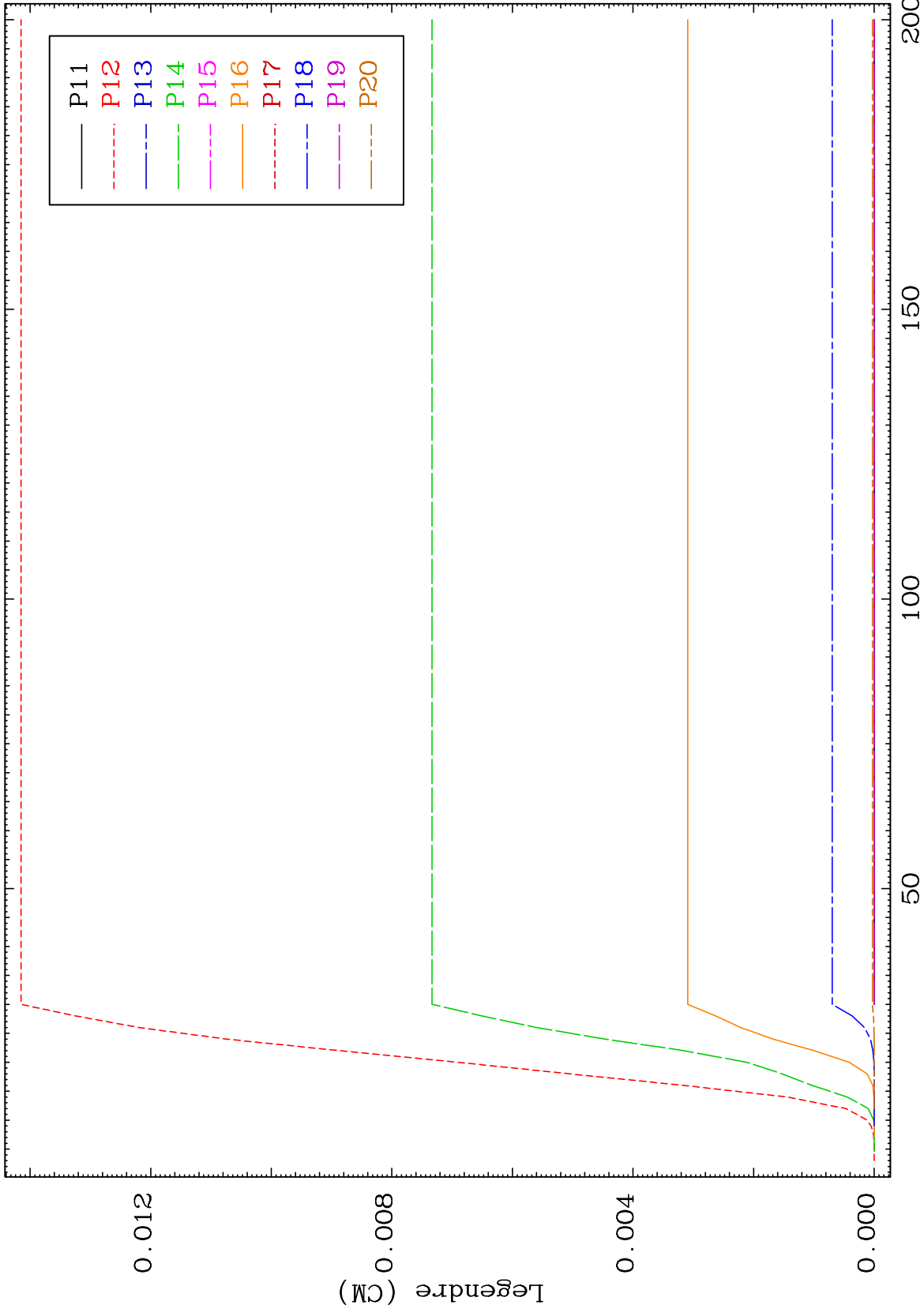




MAT 4849

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

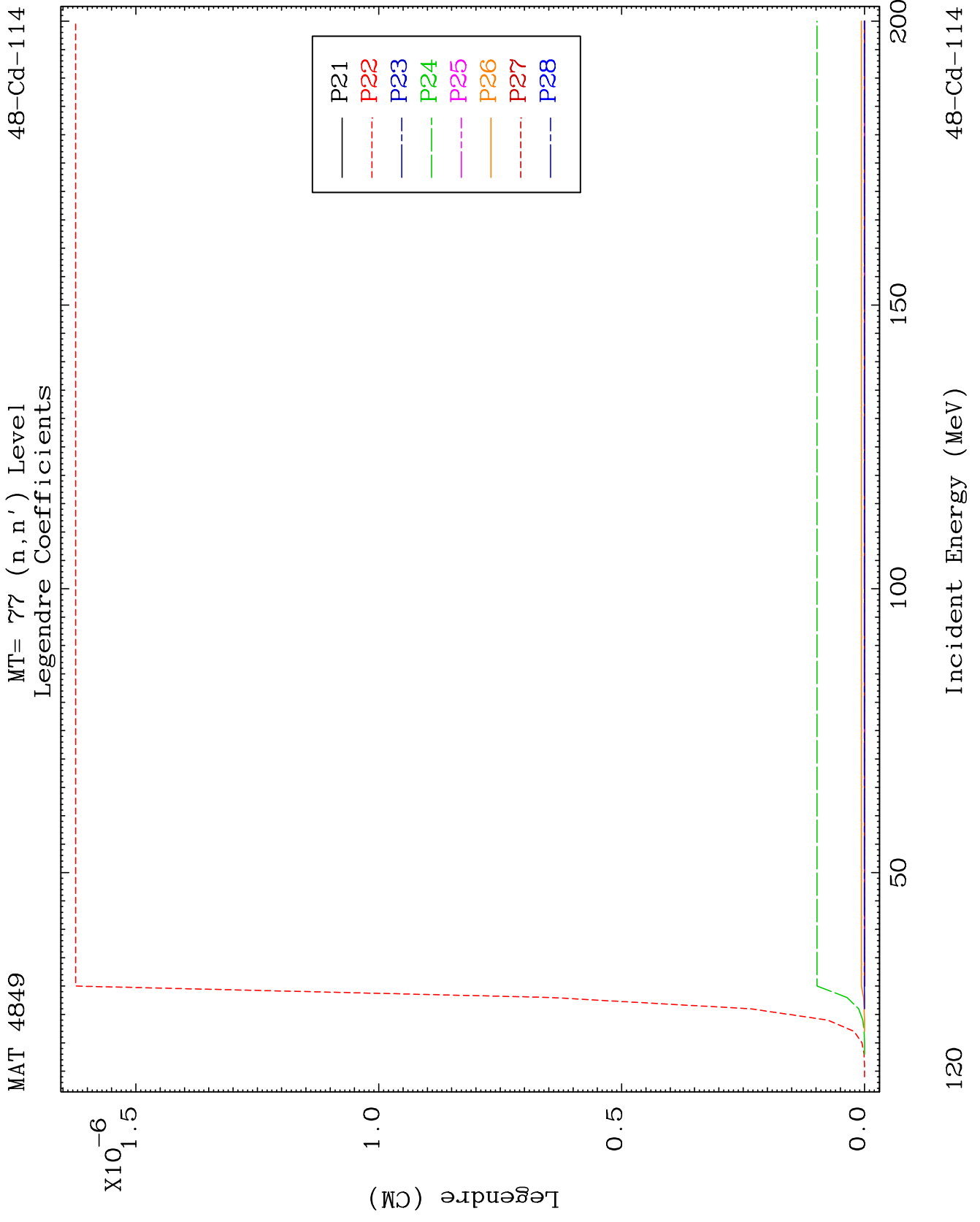
48-Cd-114



119

Incident Energy (MeV)

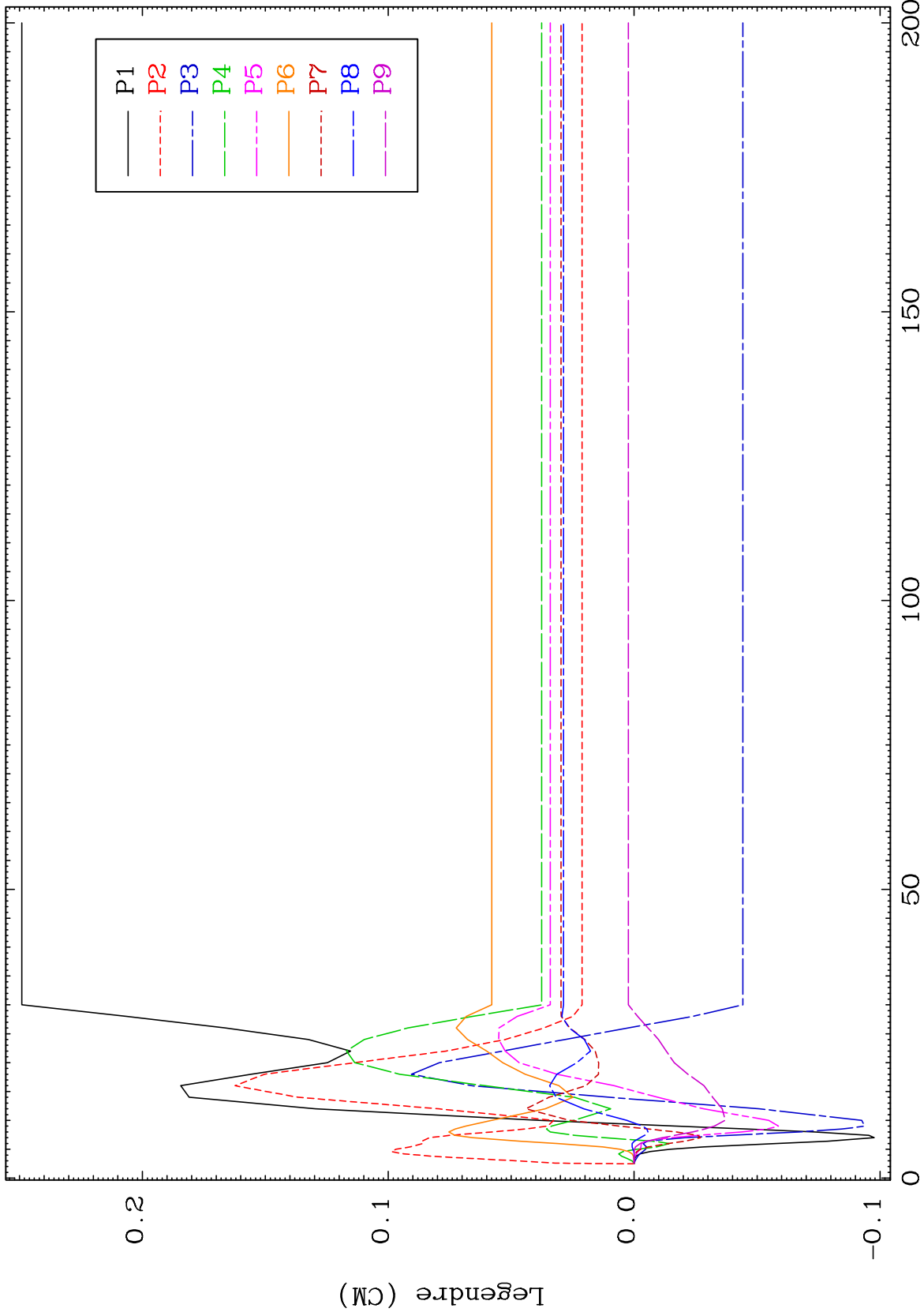
48-Cd-114



MAT 4849

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

48-Cd-114



121

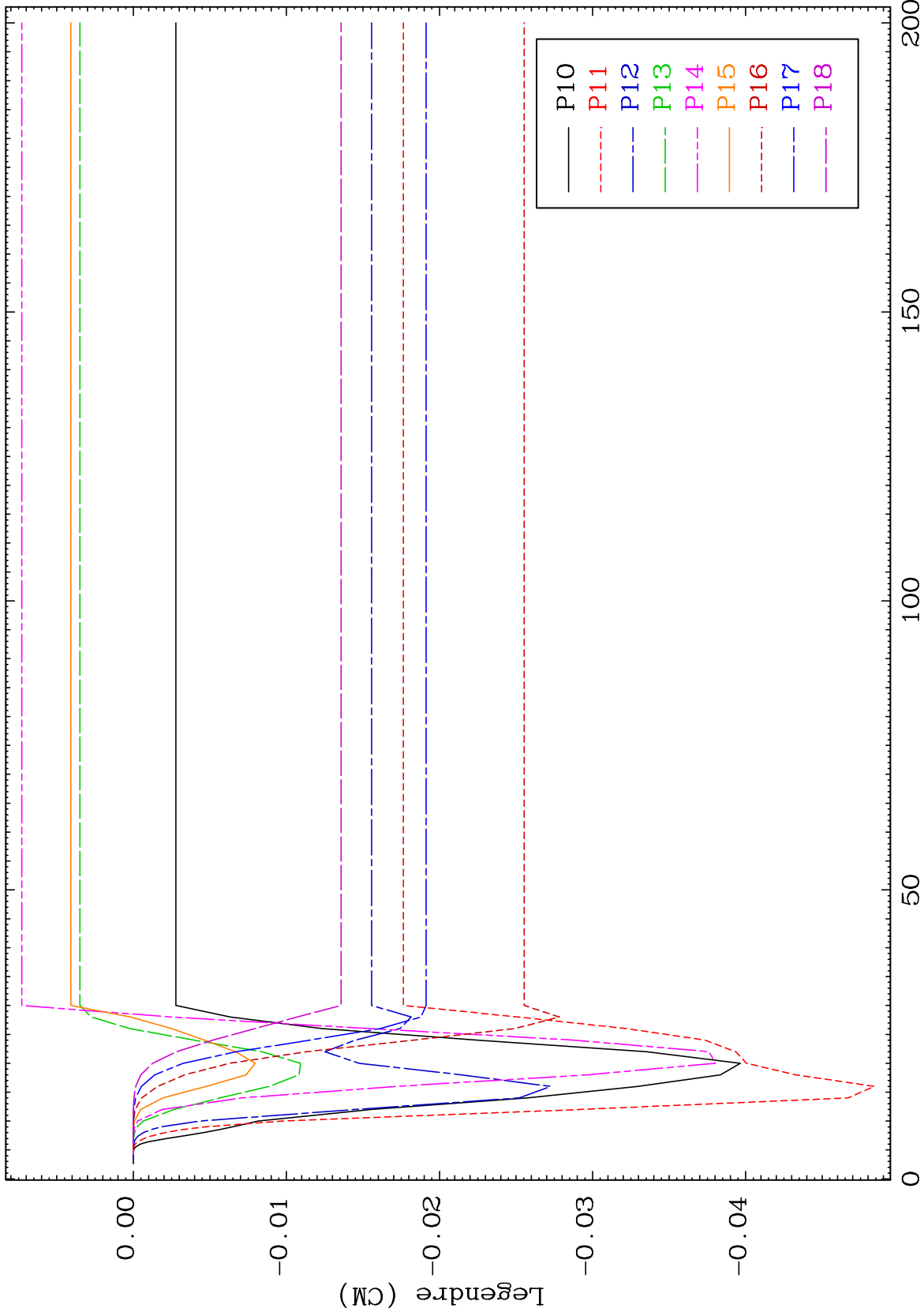
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

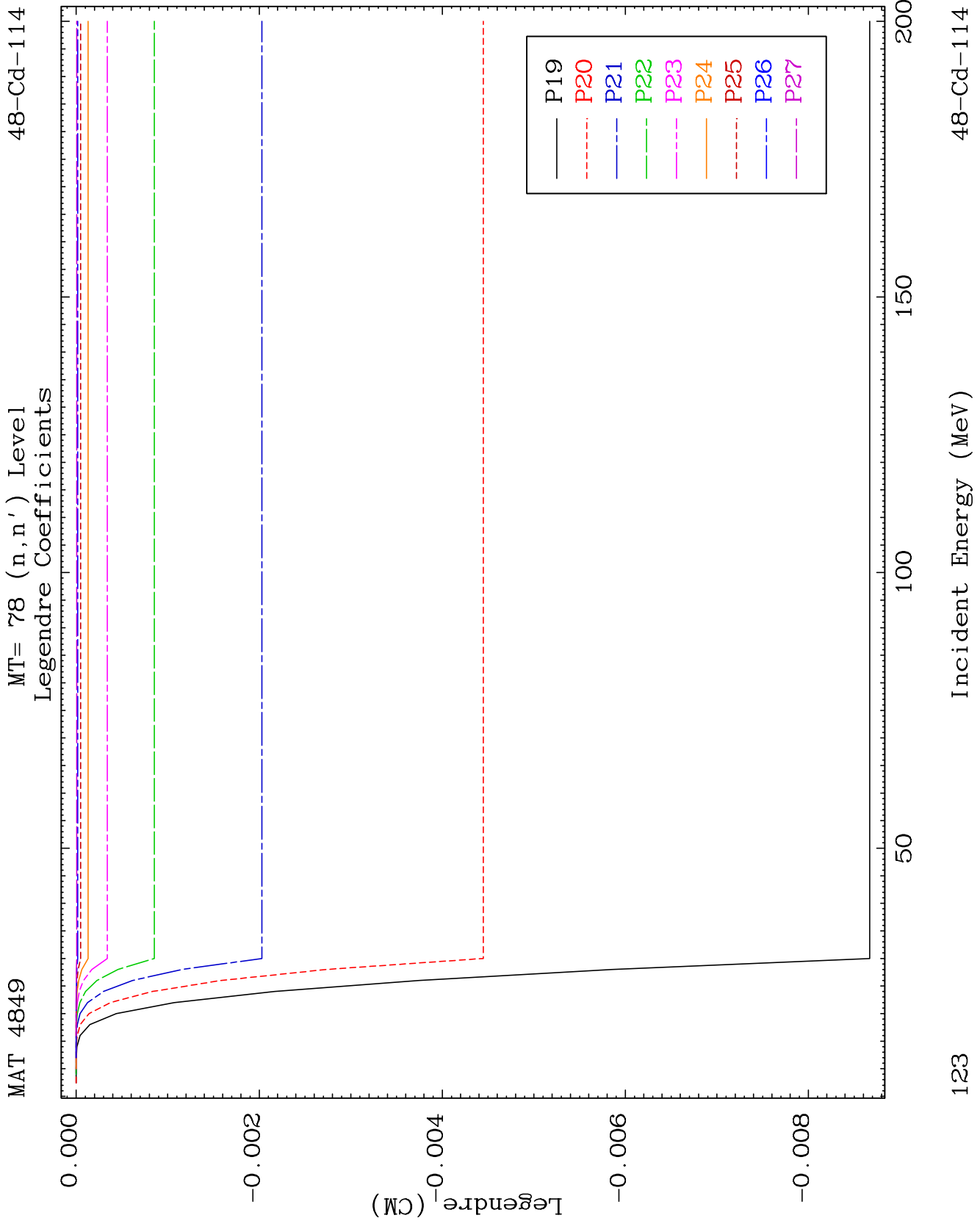
48-Cd-114

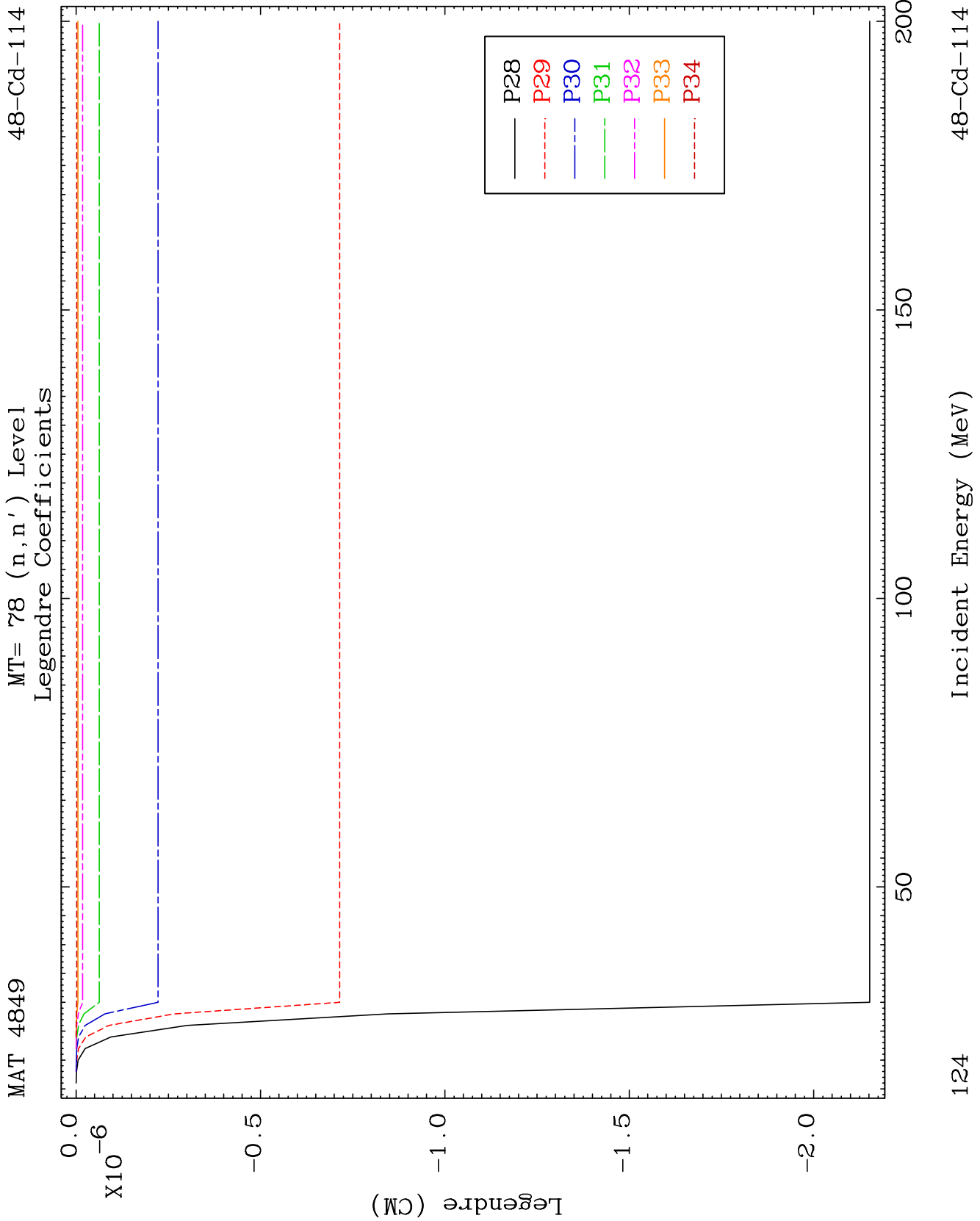


122

Incident Energy (MeV)

48-Cd-114

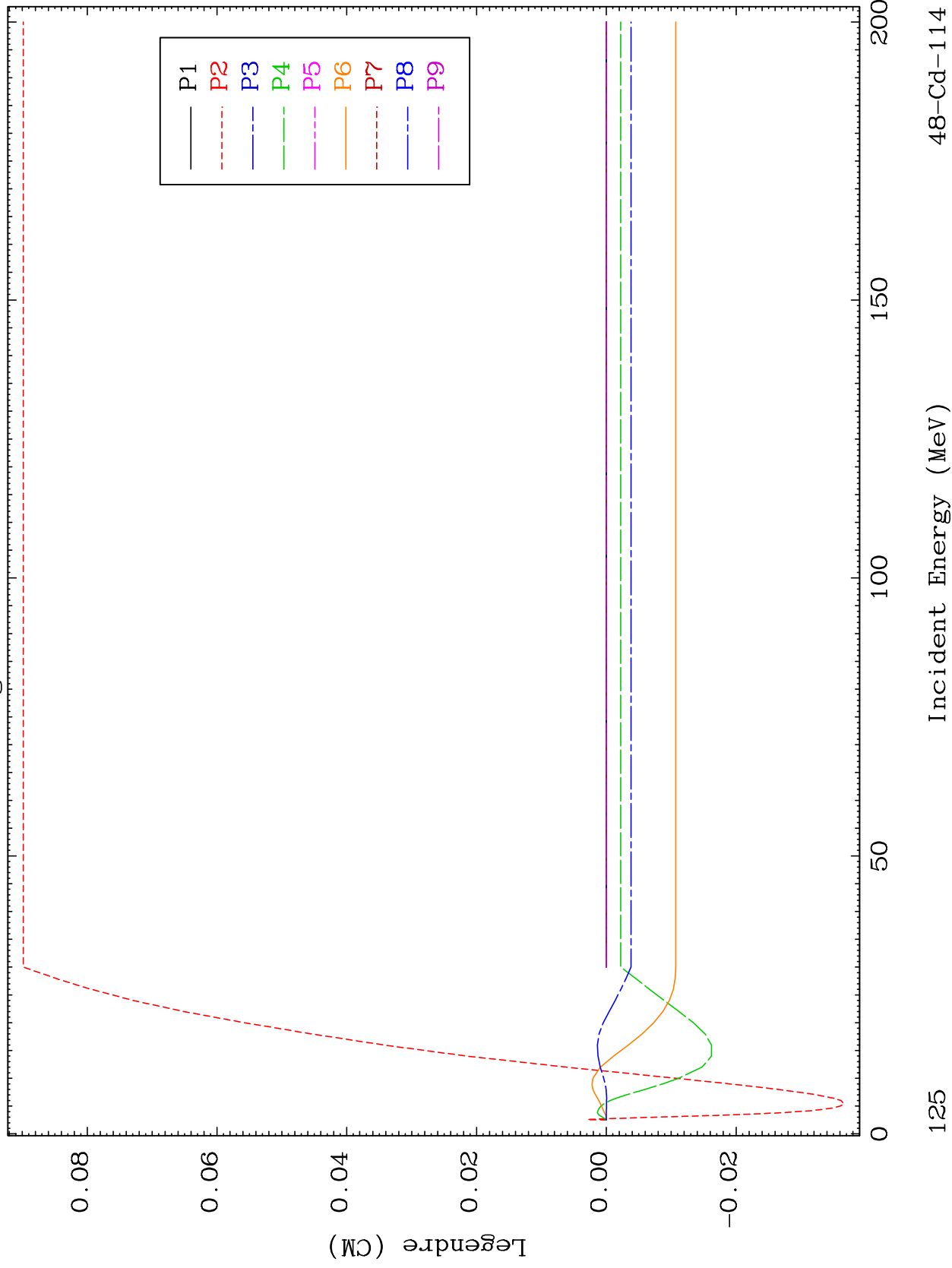




MAT 4849

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

48-Cd-114



48-Cd-114

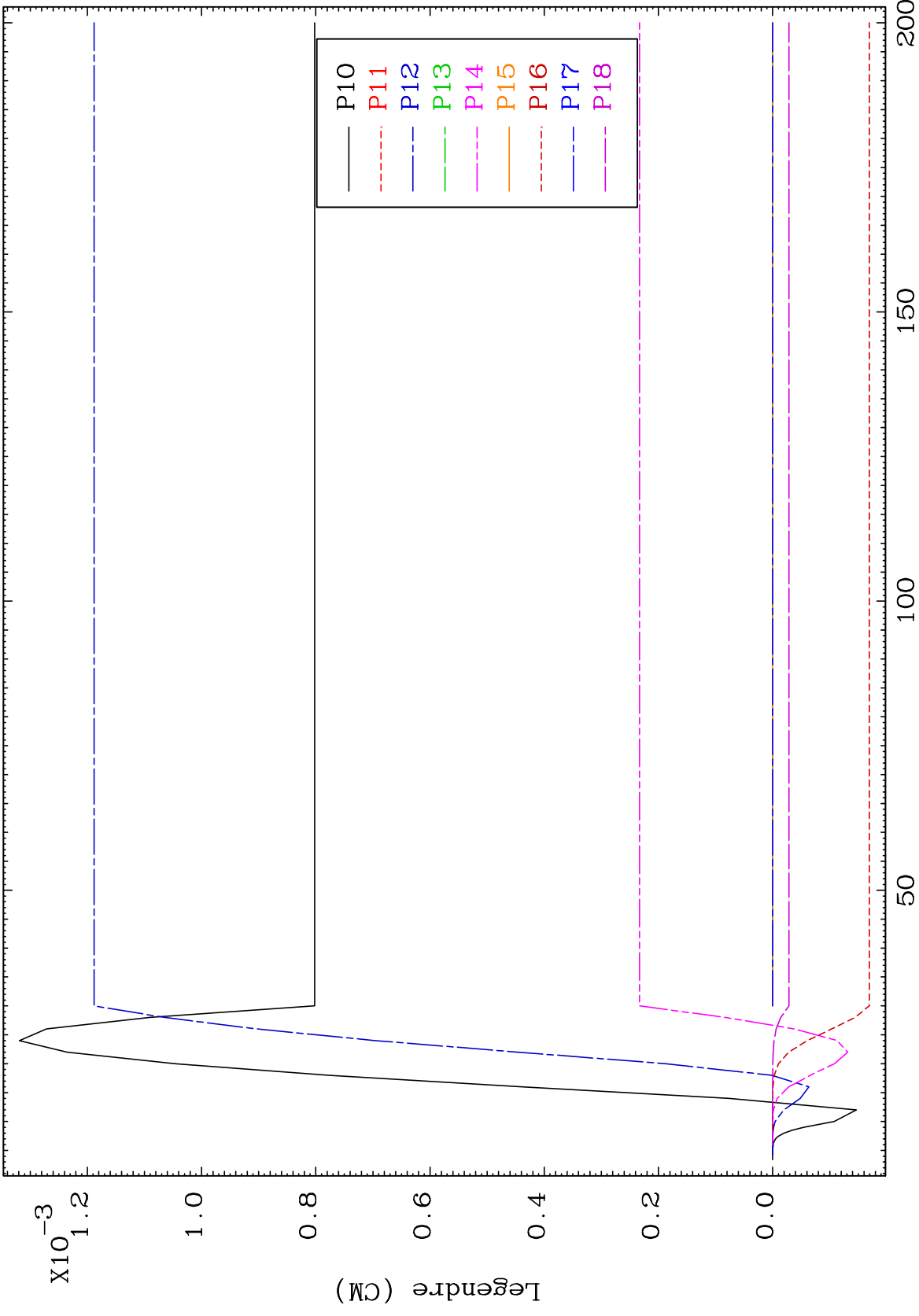
Incident Energy (MeV)

125

MAT 4849

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

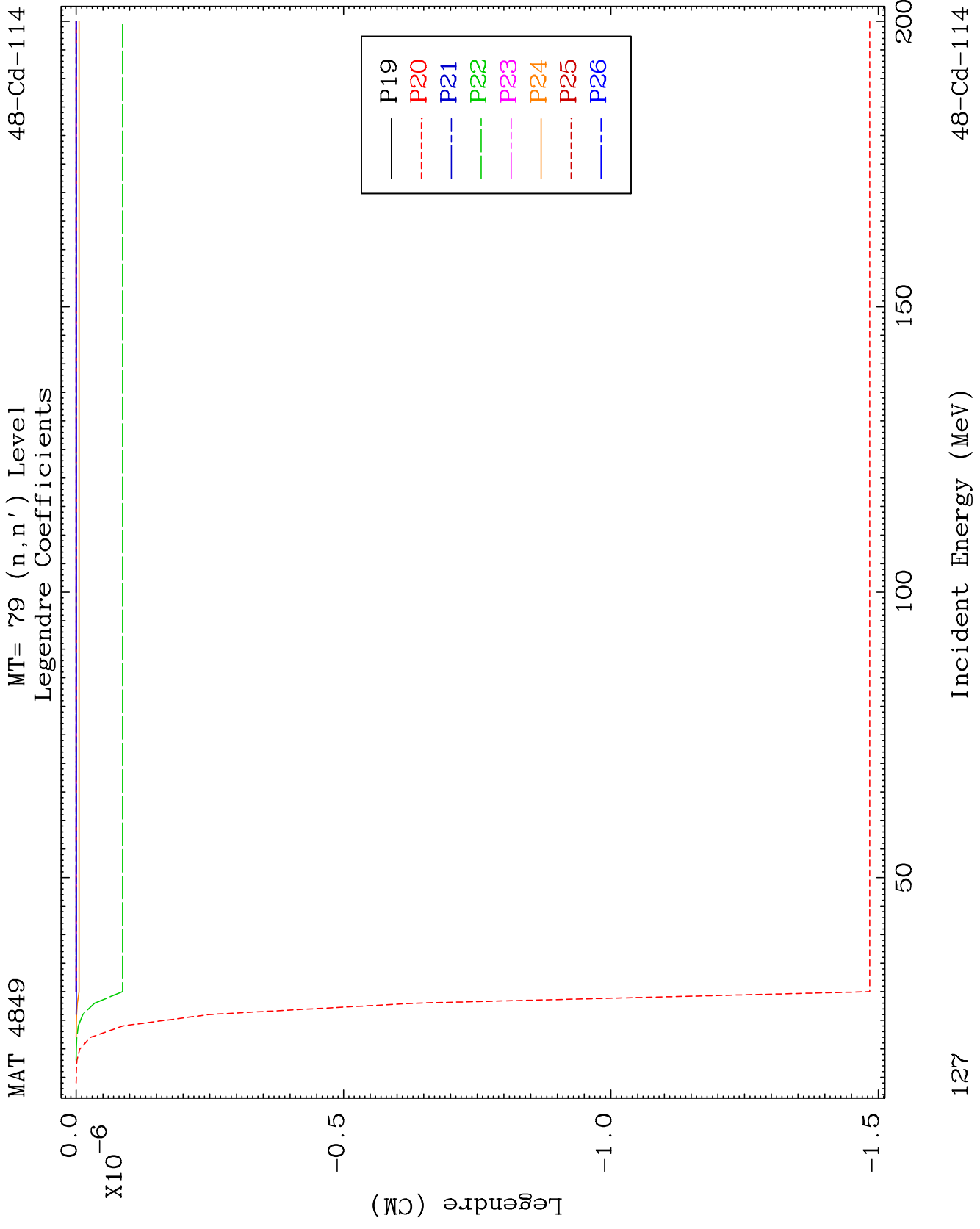
48-Cd-114



126

Incident Energy (MeV)

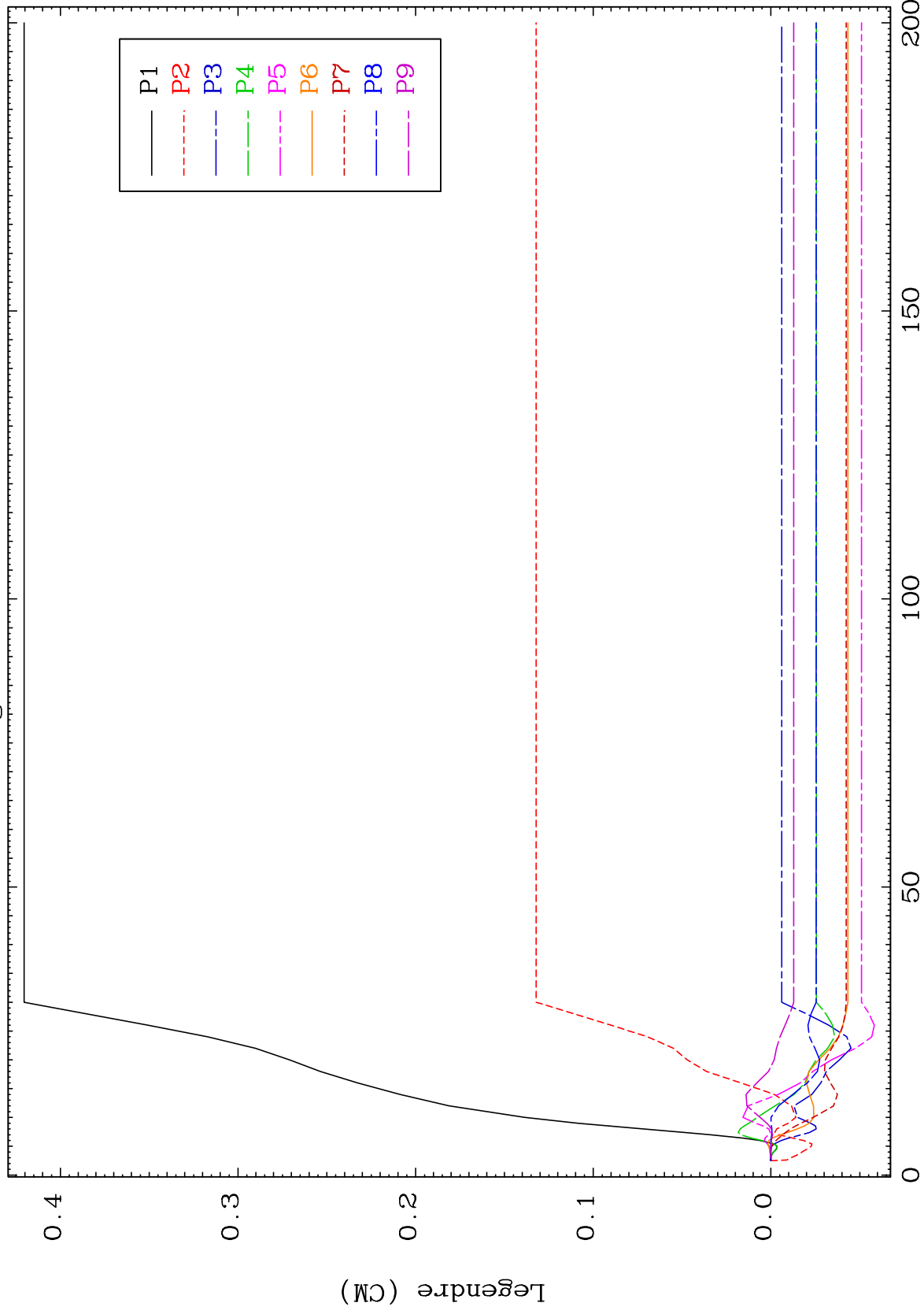
48-Cd-114



MAT 4849

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

48-Cd-114



128

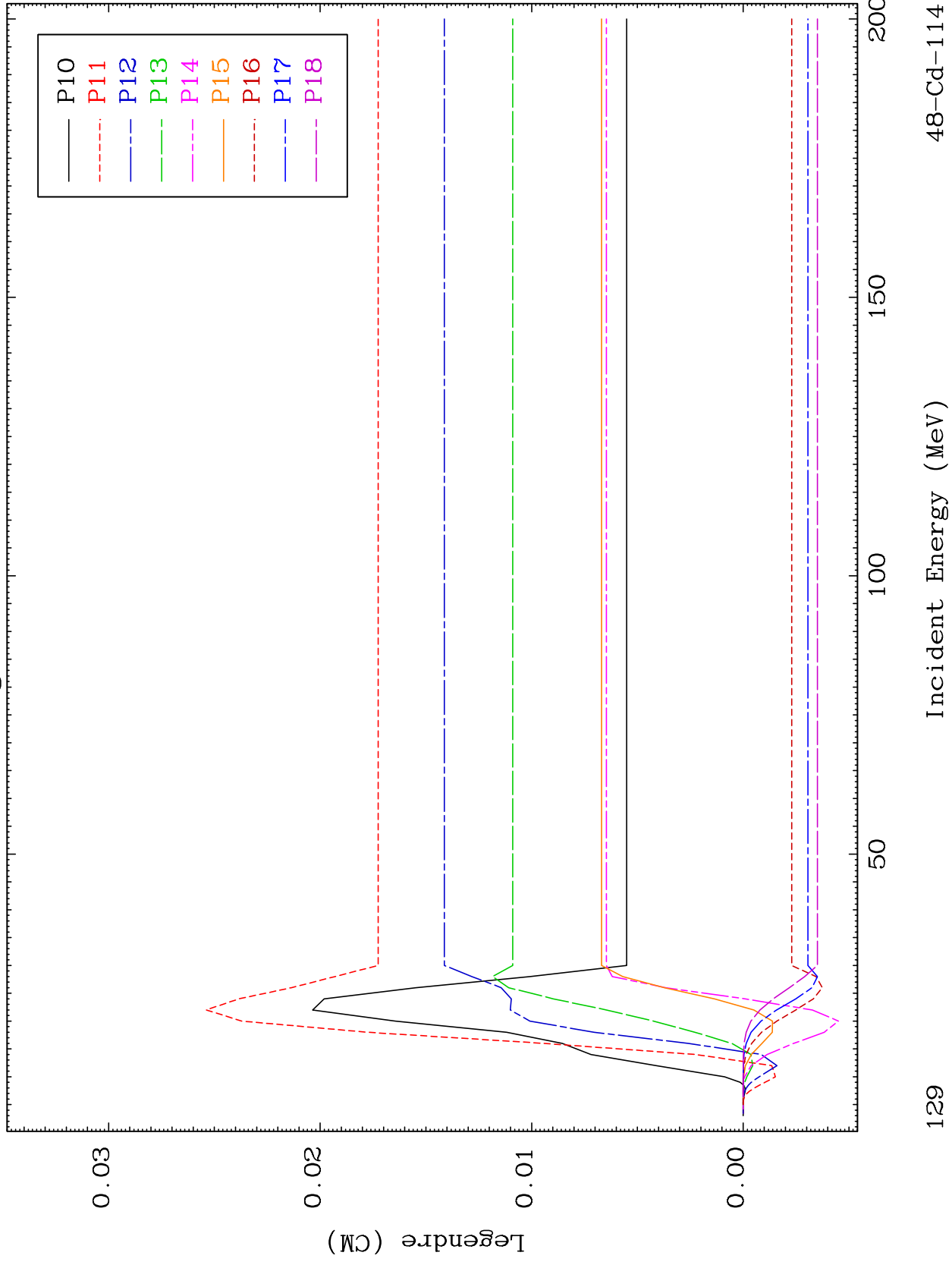
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

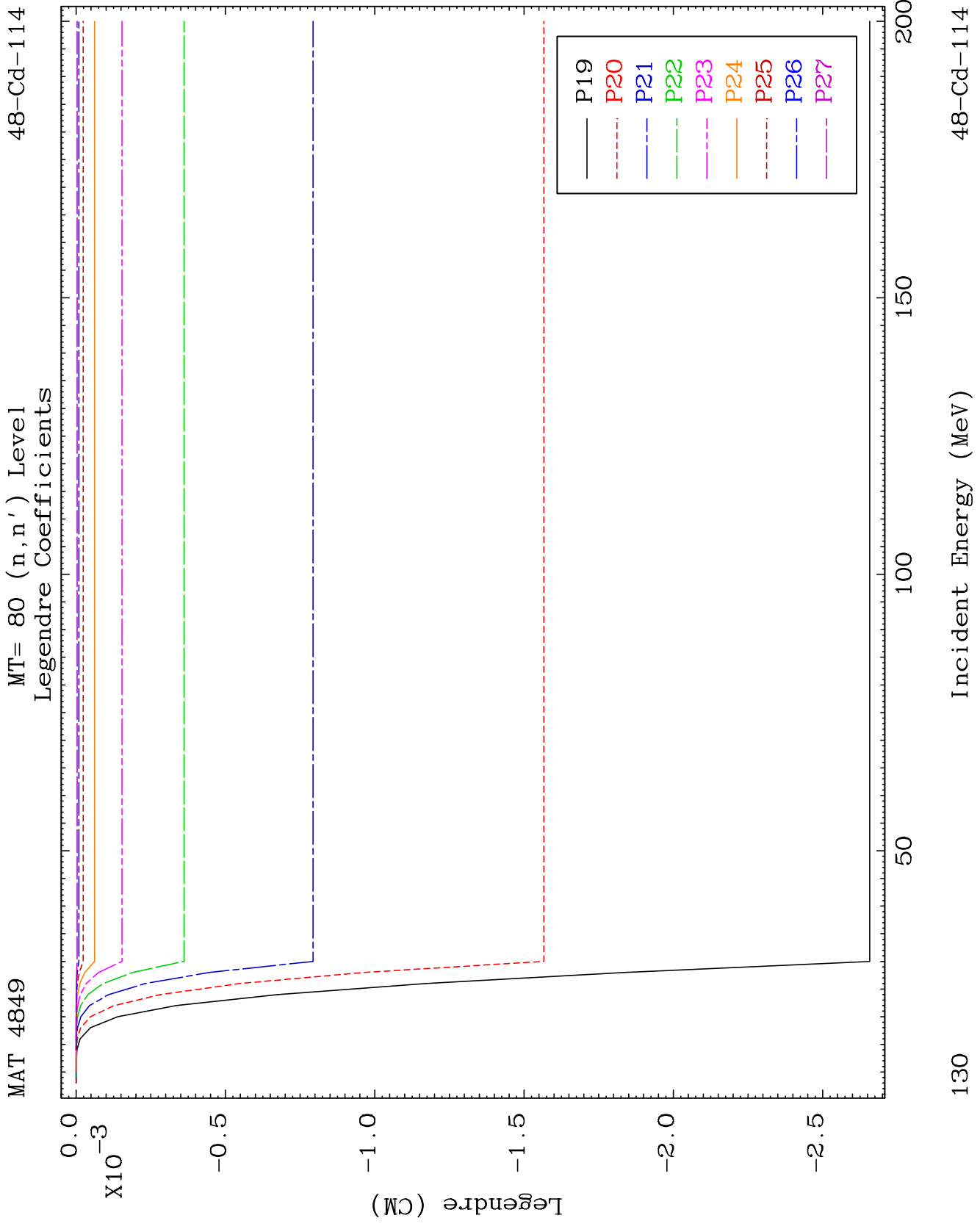
48-Cd-114

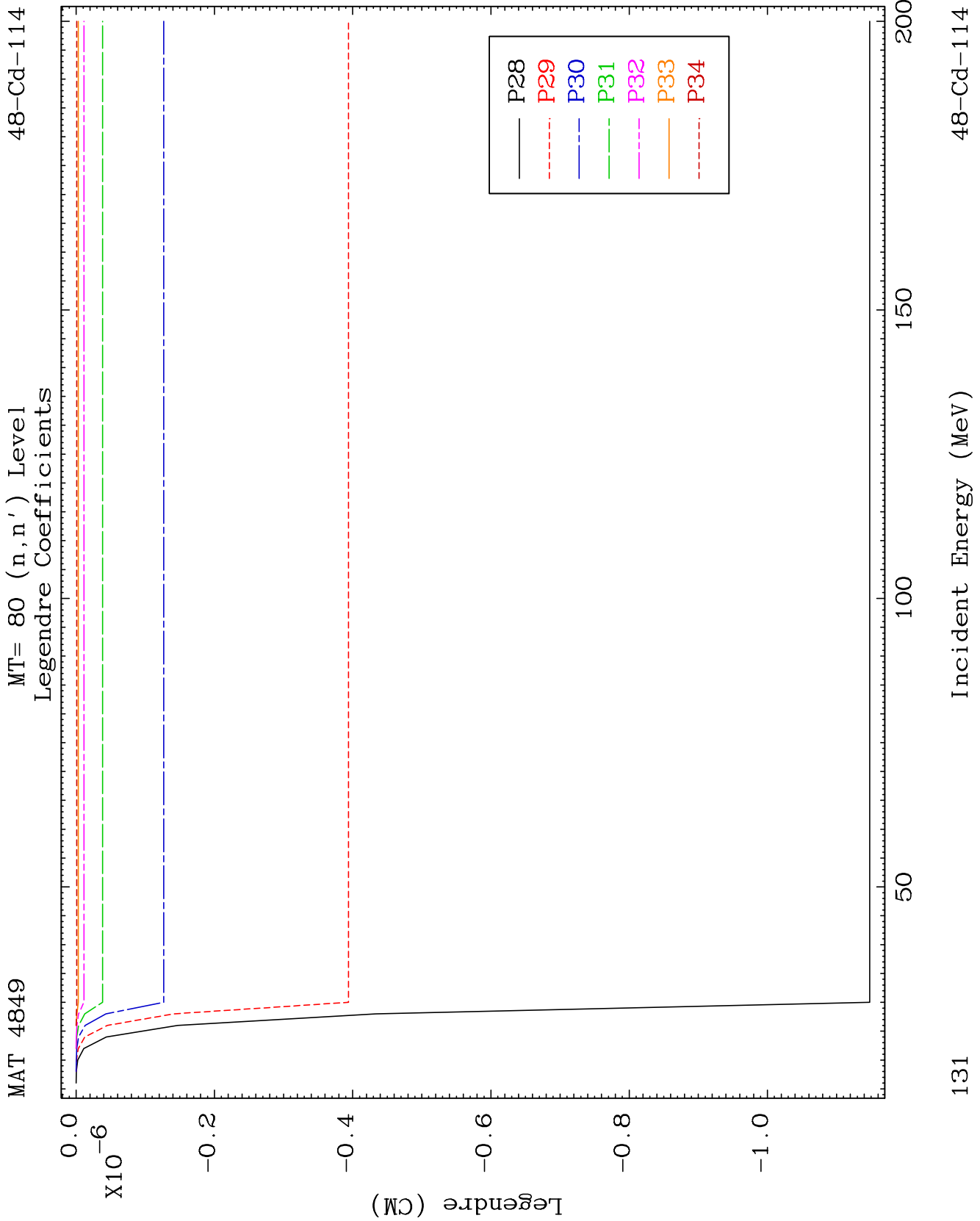


129

Incident Energy (MeV)

48-Cd-114



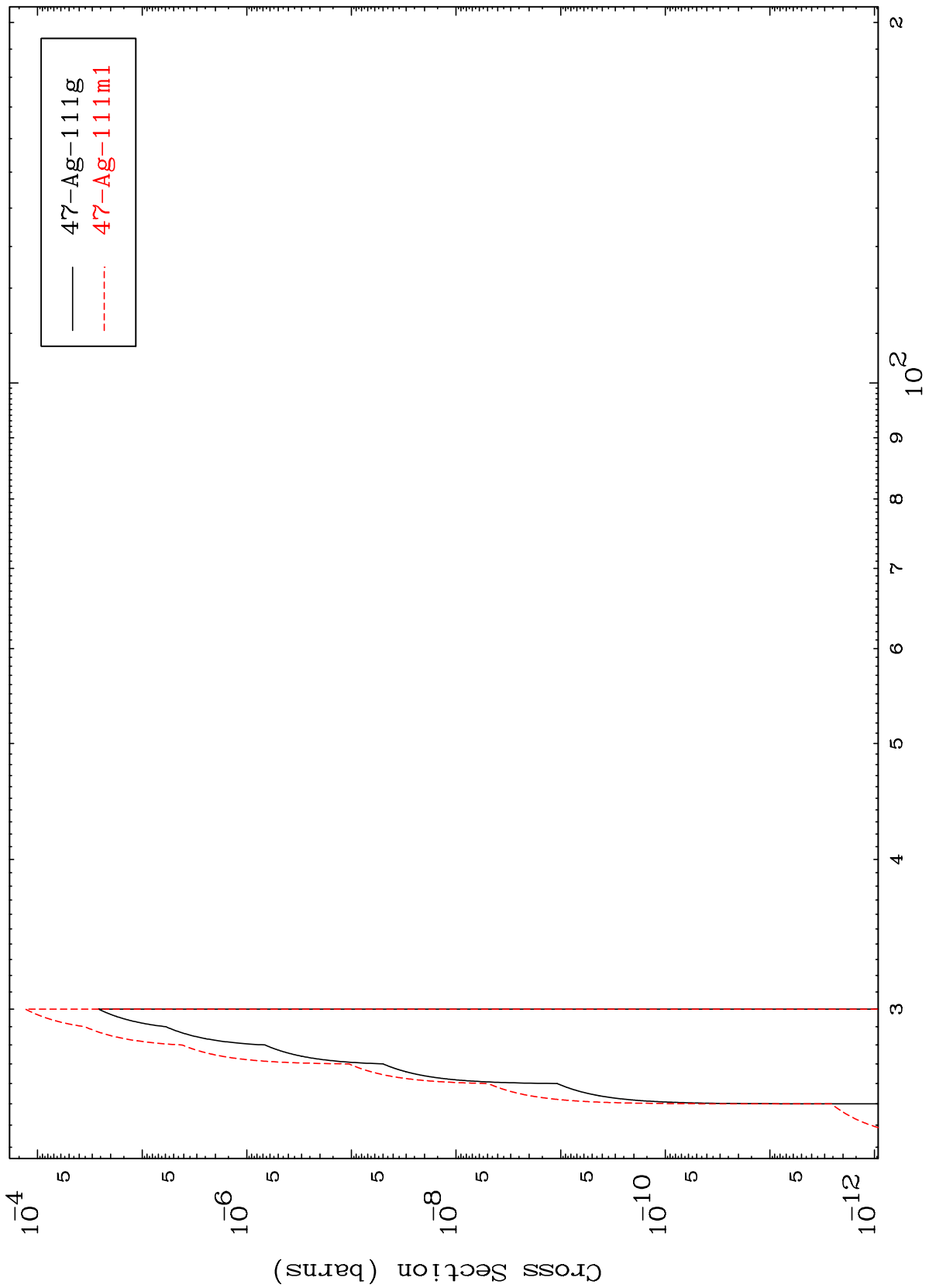


MAT 4849

(n,2n) d

48-Cd-114

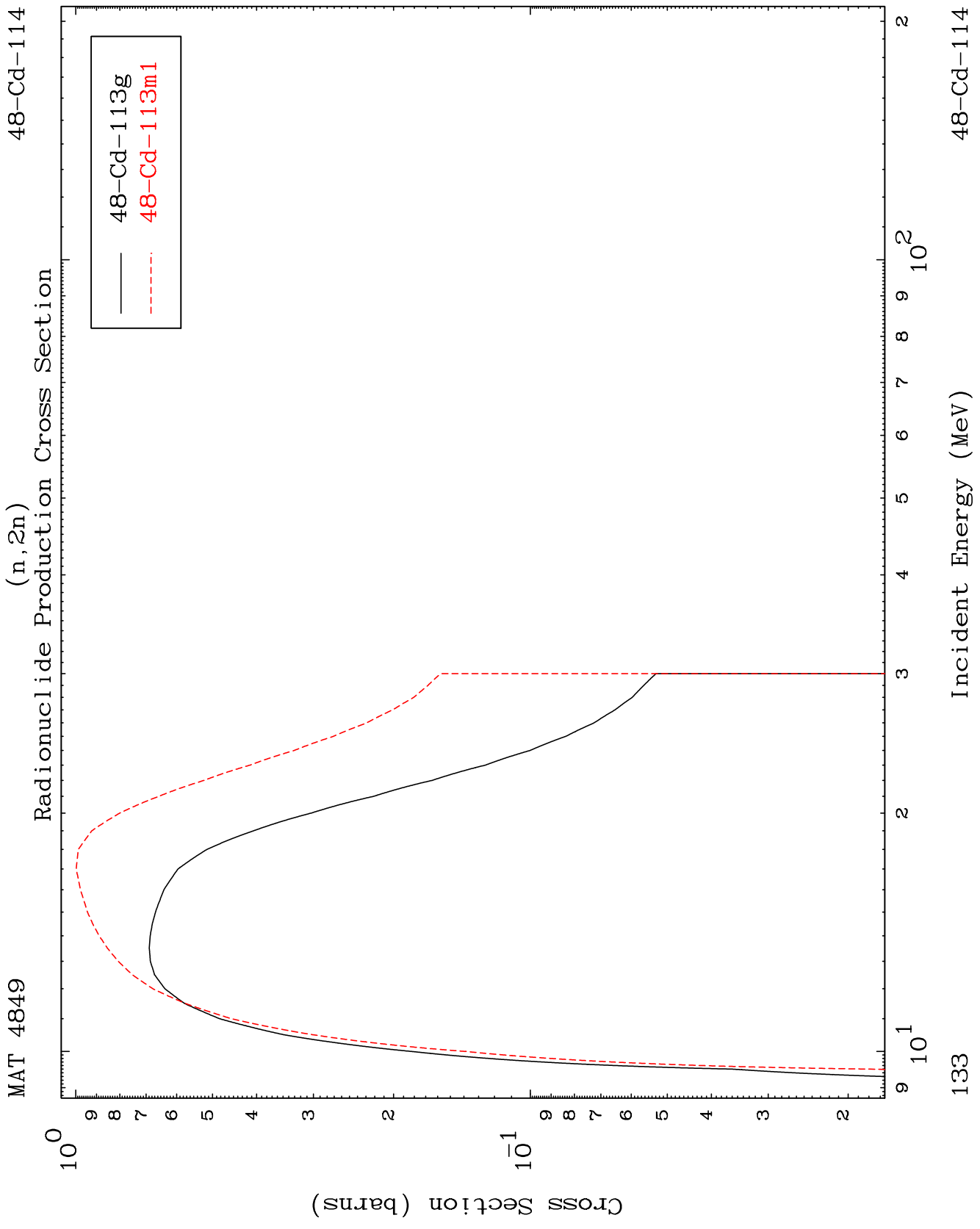
Radionuclide Production Cross Section



132

Incident Energy (MeV)

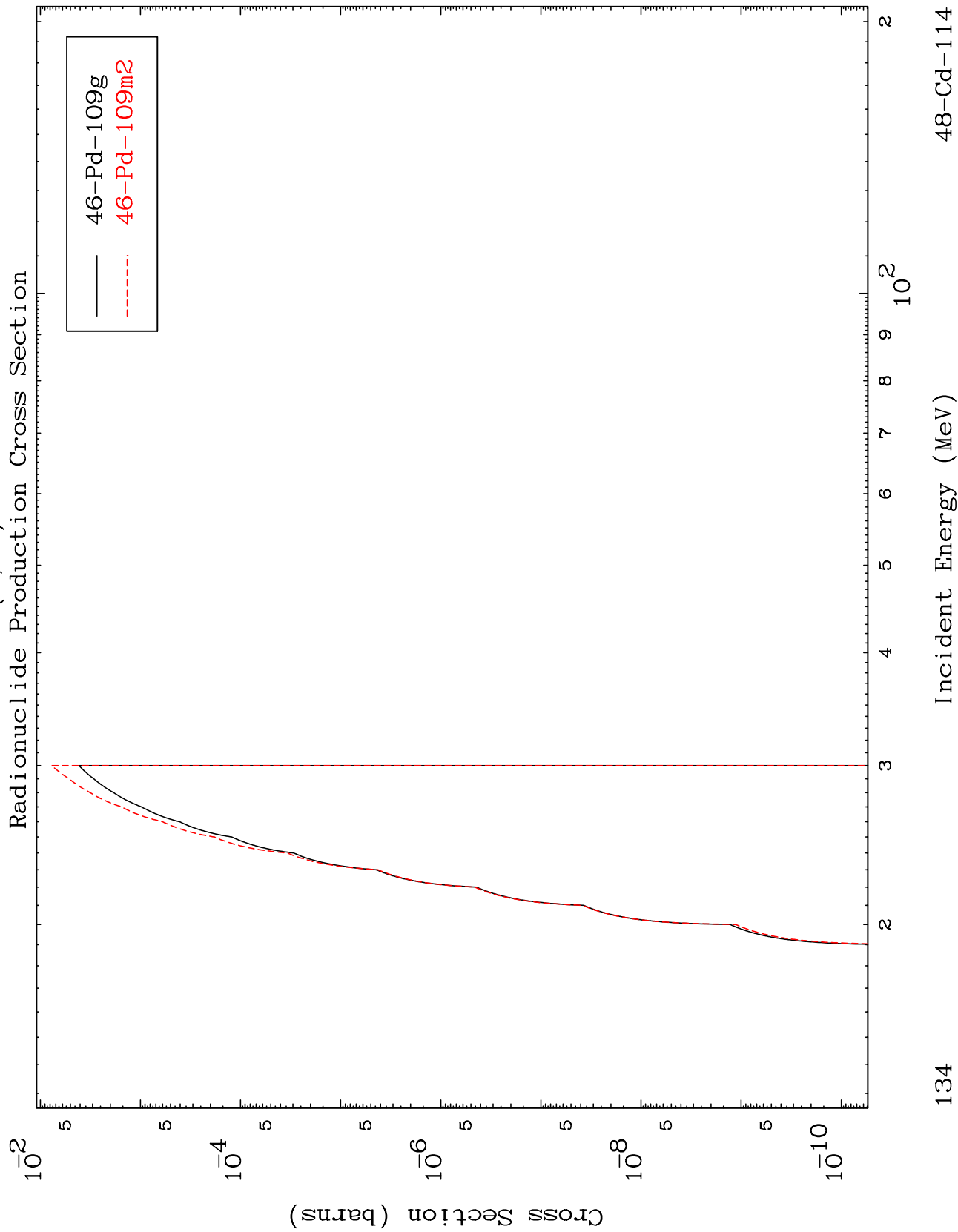
48-Cd-114



MAT 4849

(n,2n) α

48-Cd-114



134

Incident Energy (MeV)

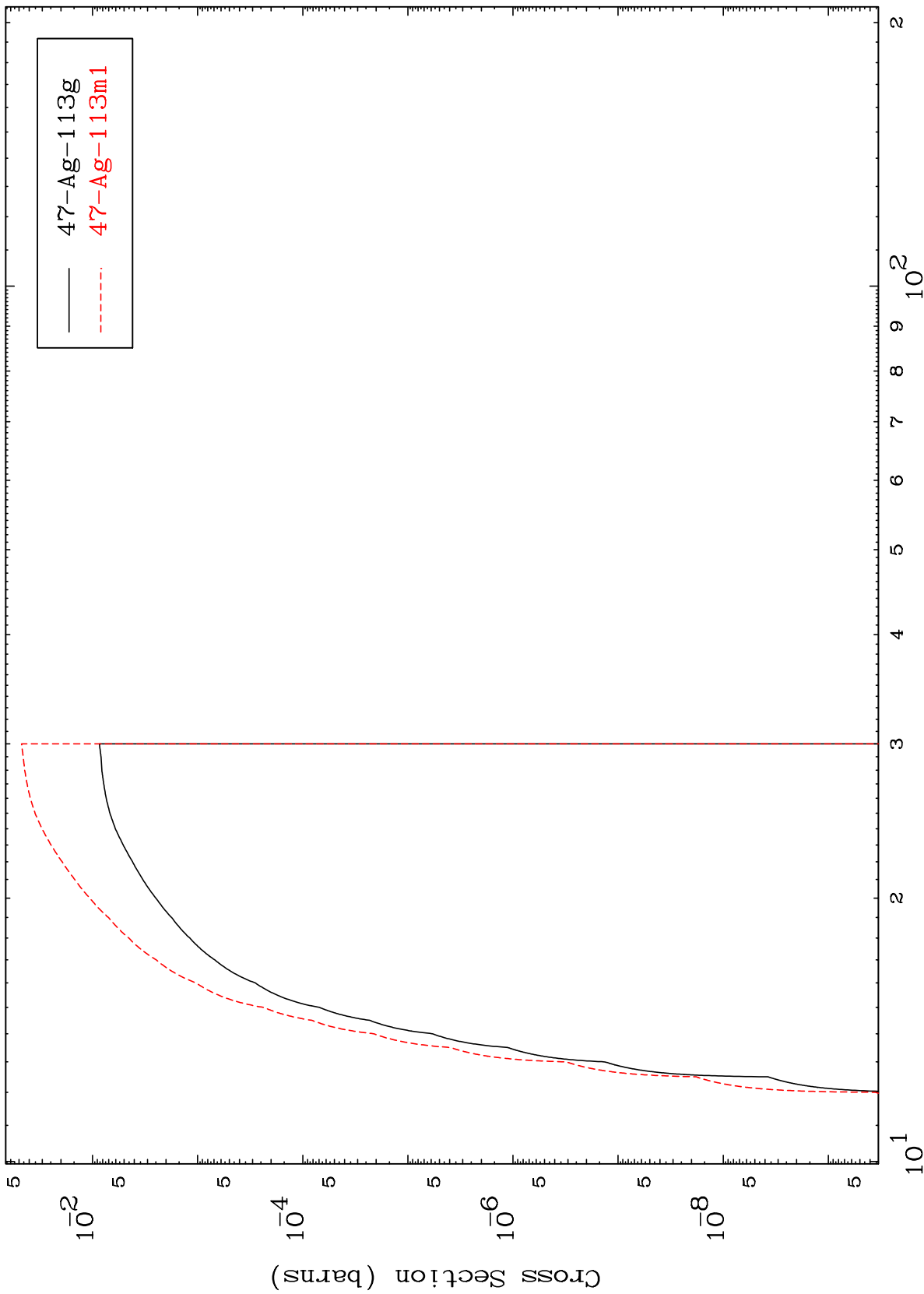
48-Cd-114

MAT 4849

(n,n') p

48-Cd-114

Radionuclide Production Cross Section



Incident Energy (MeV)

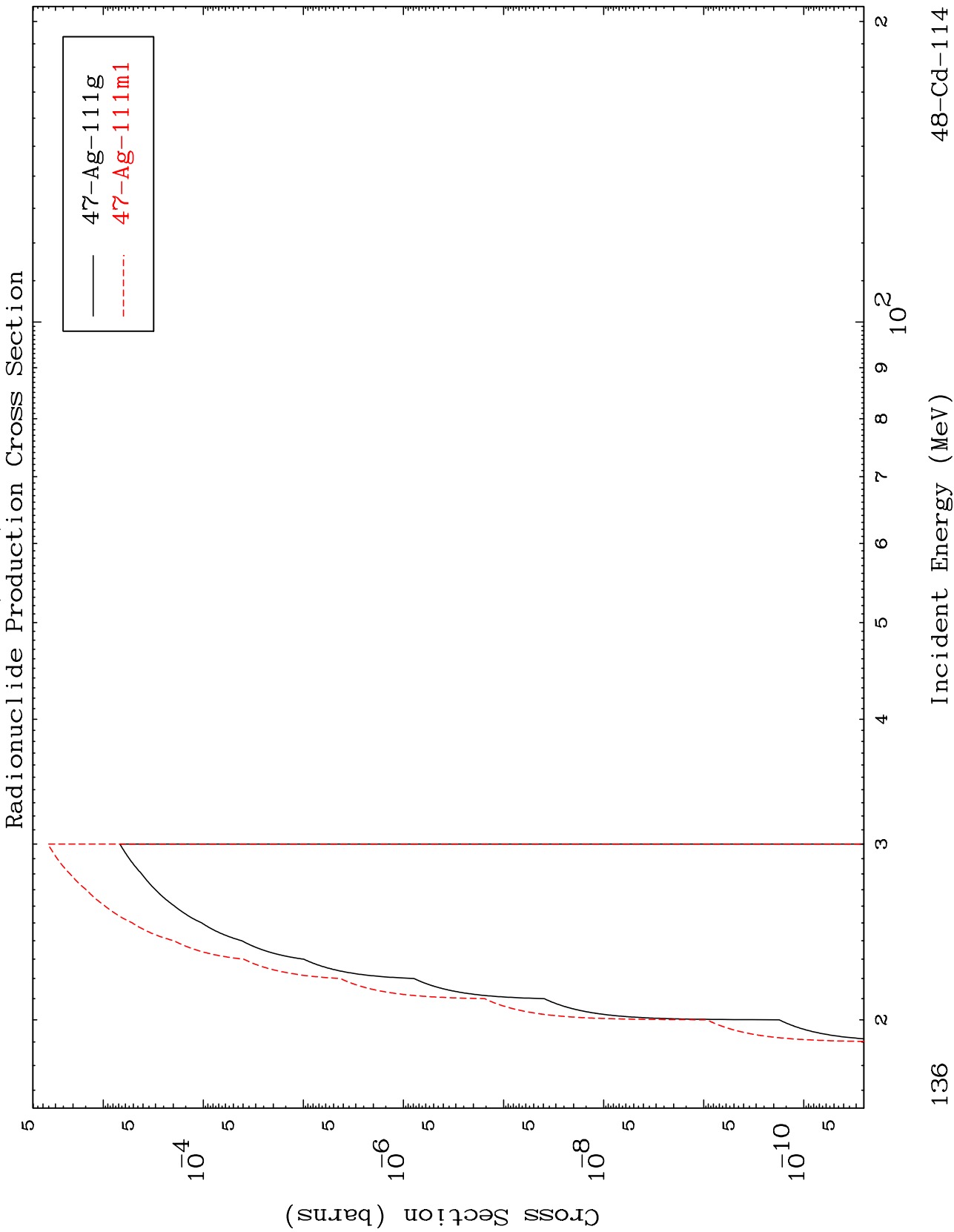
48-Cd-114

135

MAT 4849

(n,n') t

48-Cd-114



136

Incident Energy (MeV)

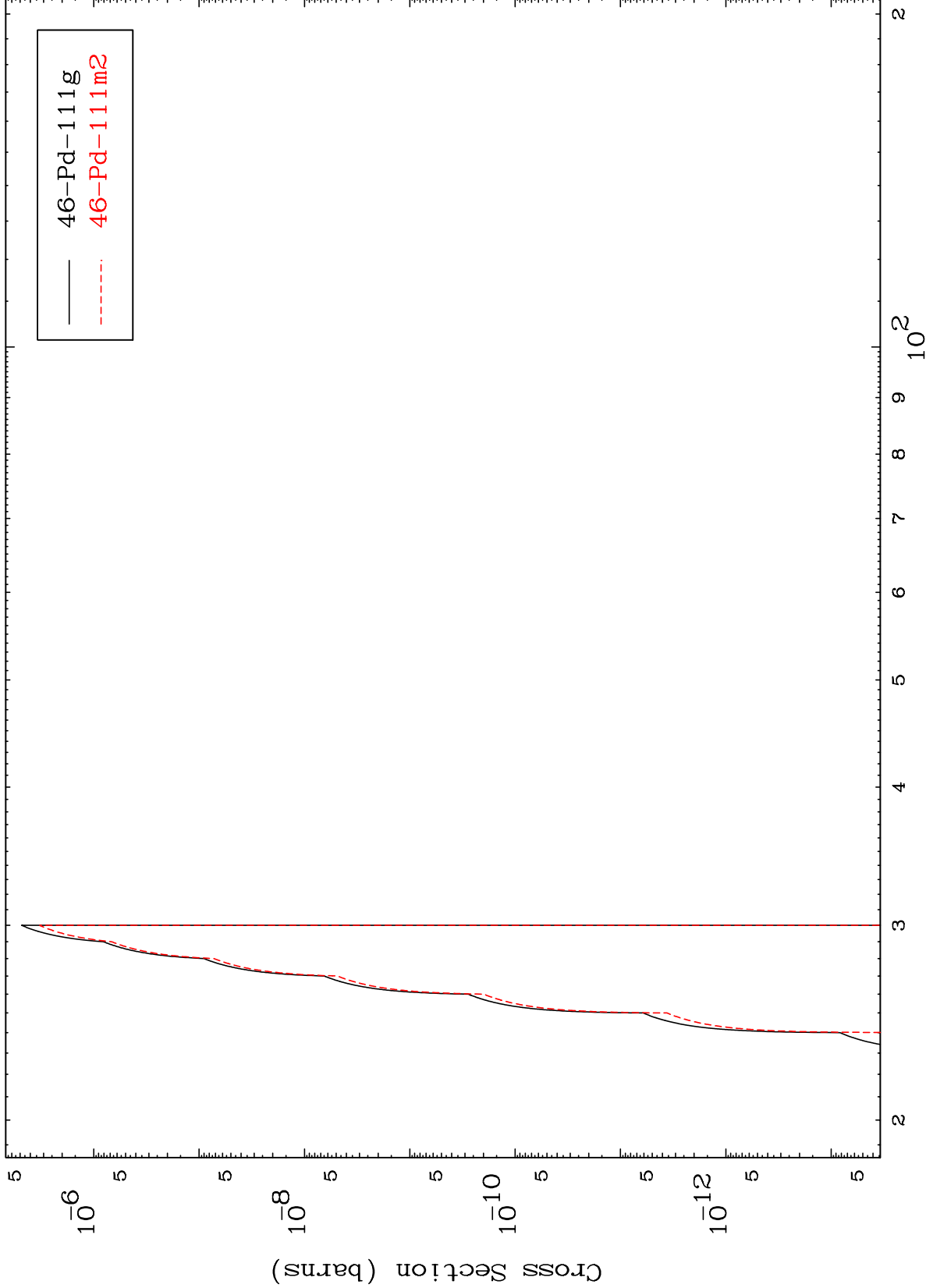
48-Cd-114

MAT 4849

(n,n') He-3

48-Cd-114

Radionuclide Production Cross Section



137

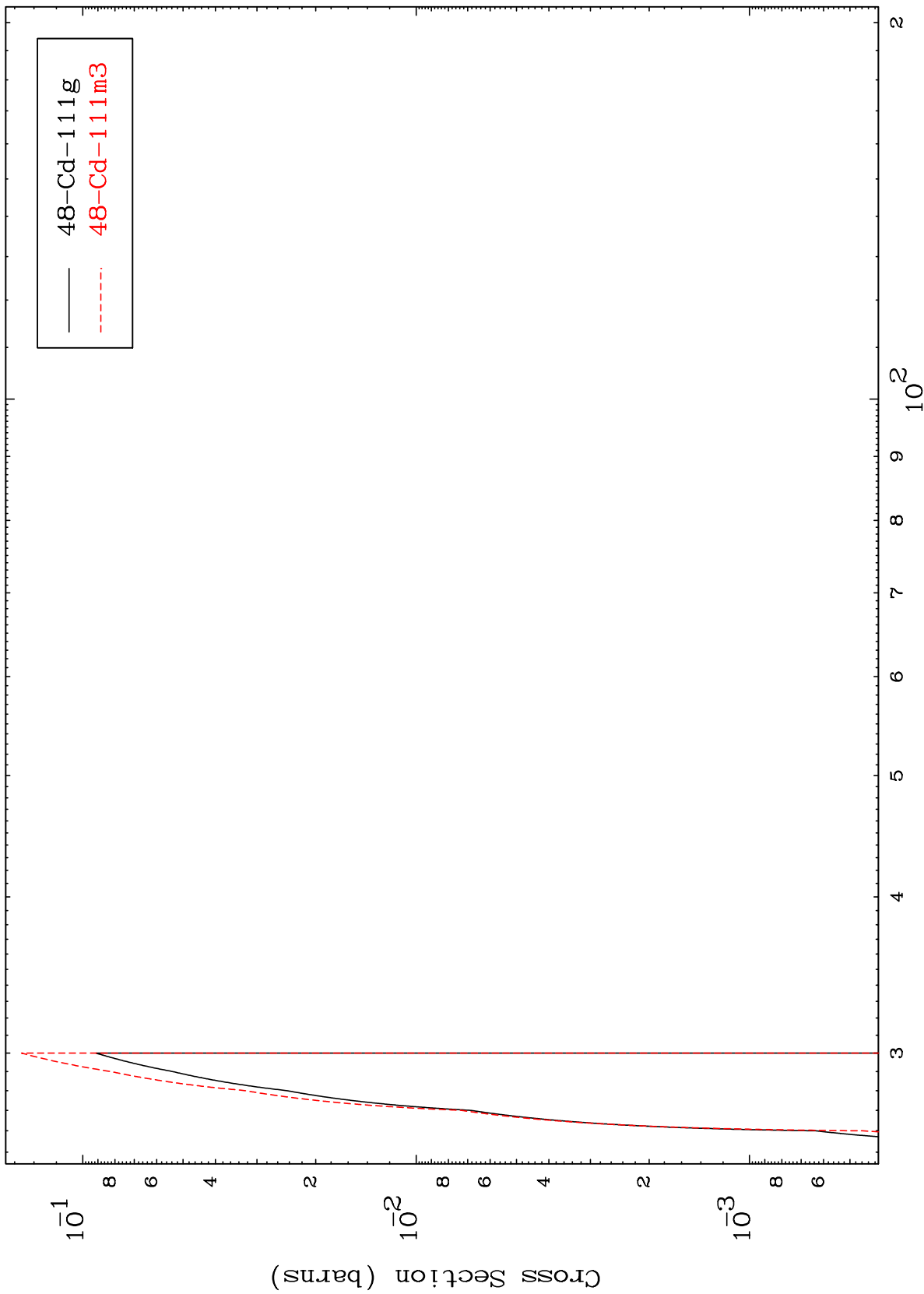
Incident Energy (MeV)

48-Cd-114

MAT 4849

48-Cd-114

(n,4n)
Radionuclide Production Cross Section



138

48-Cd-114

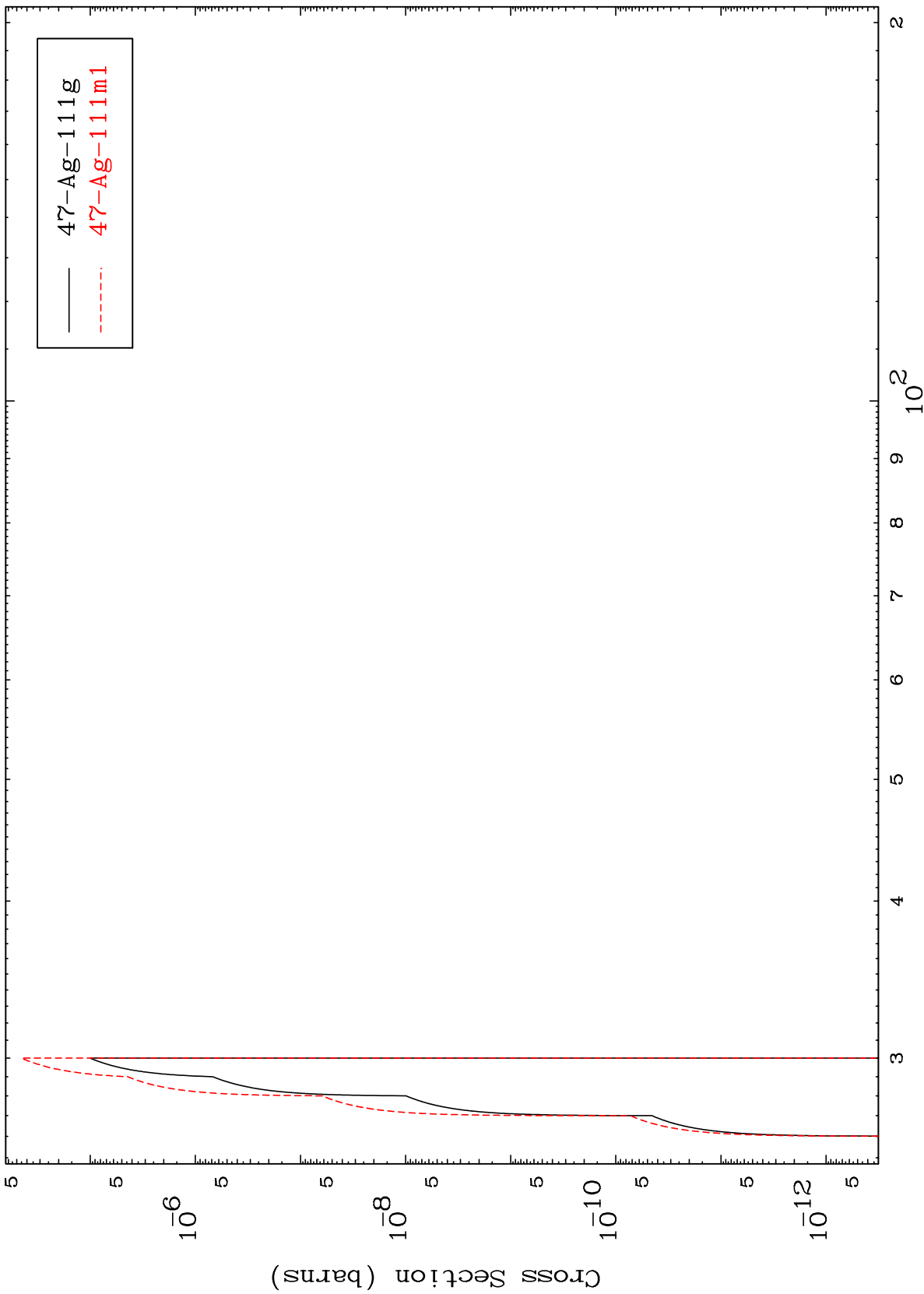
Incident Energy (MeV)

MAT 4849

(n,3n) p

48-Cd-114

Radionuclide Production Cross Section



139

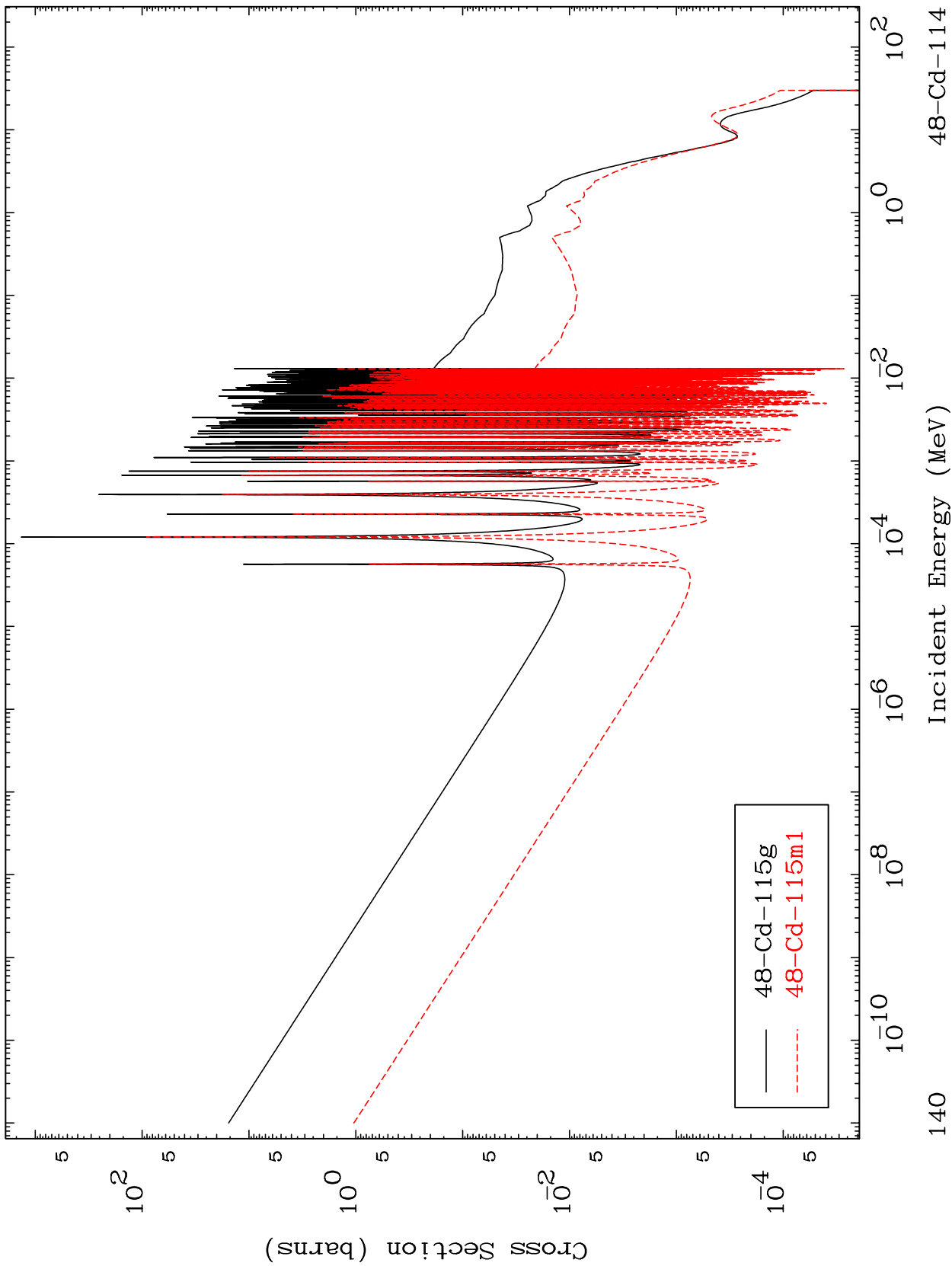
Incident Energy (MeV)

48-Cd-114

MAT 4849

48-Cd-114

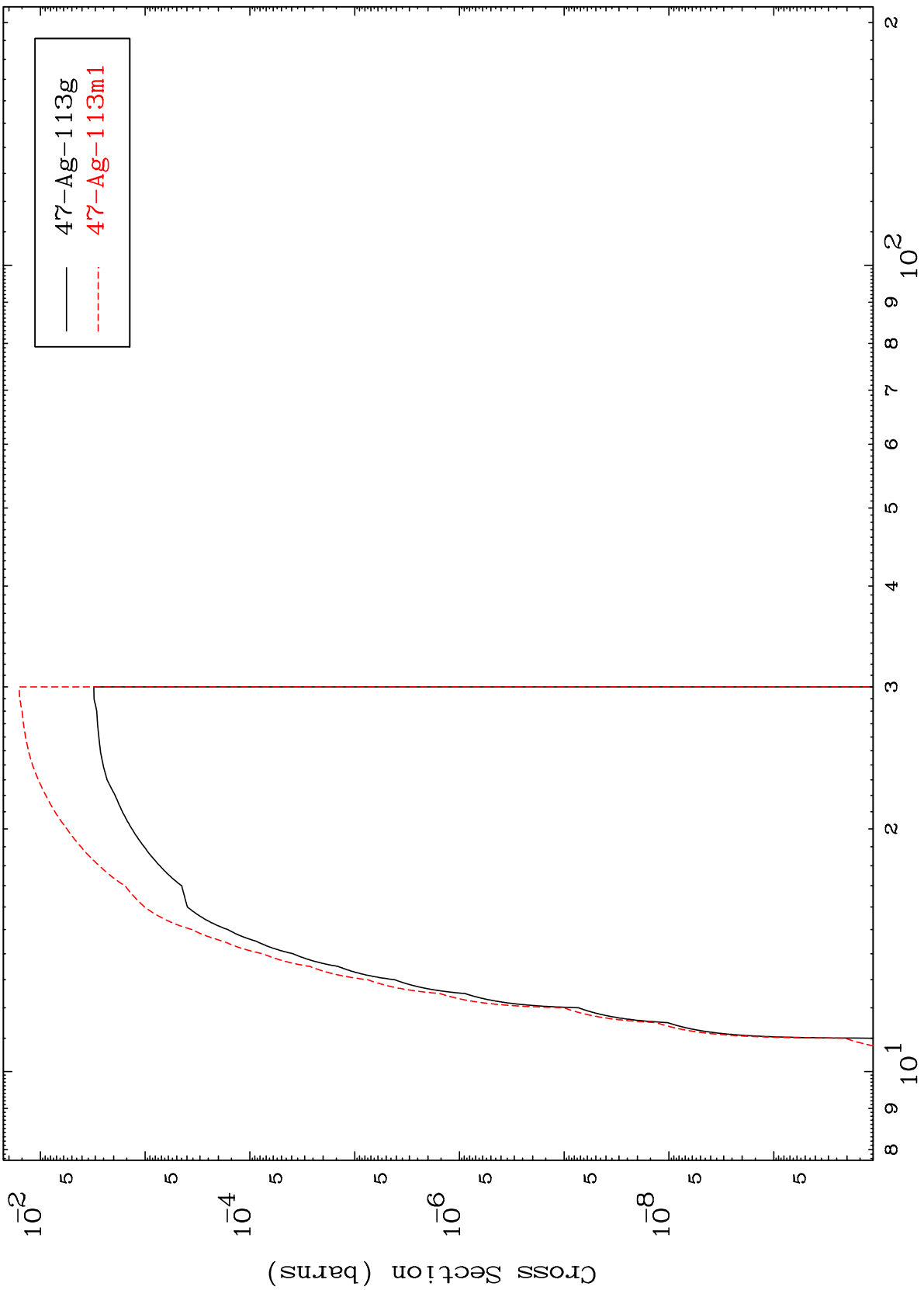
(n, γ)
Radionuclide Production Cross Section



MAT 4849

48-Cd-114

(n,d)
Radionuclide Production Cross Section



141

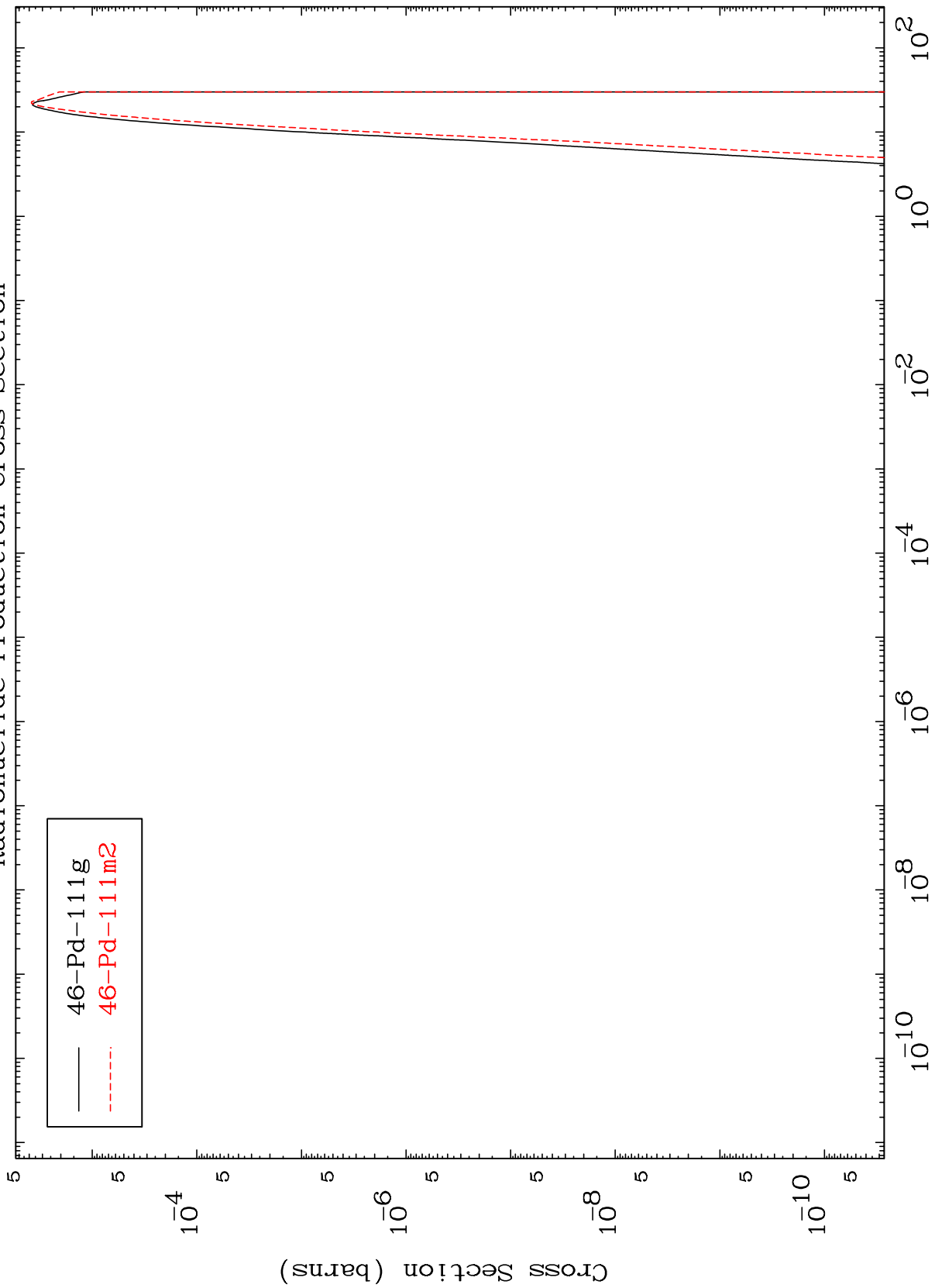
Incident Energy (MeV)

48-Cd-114

MAT 4849

48-Cd-114

(n, α)
Radionuclide Production Cross Section



142

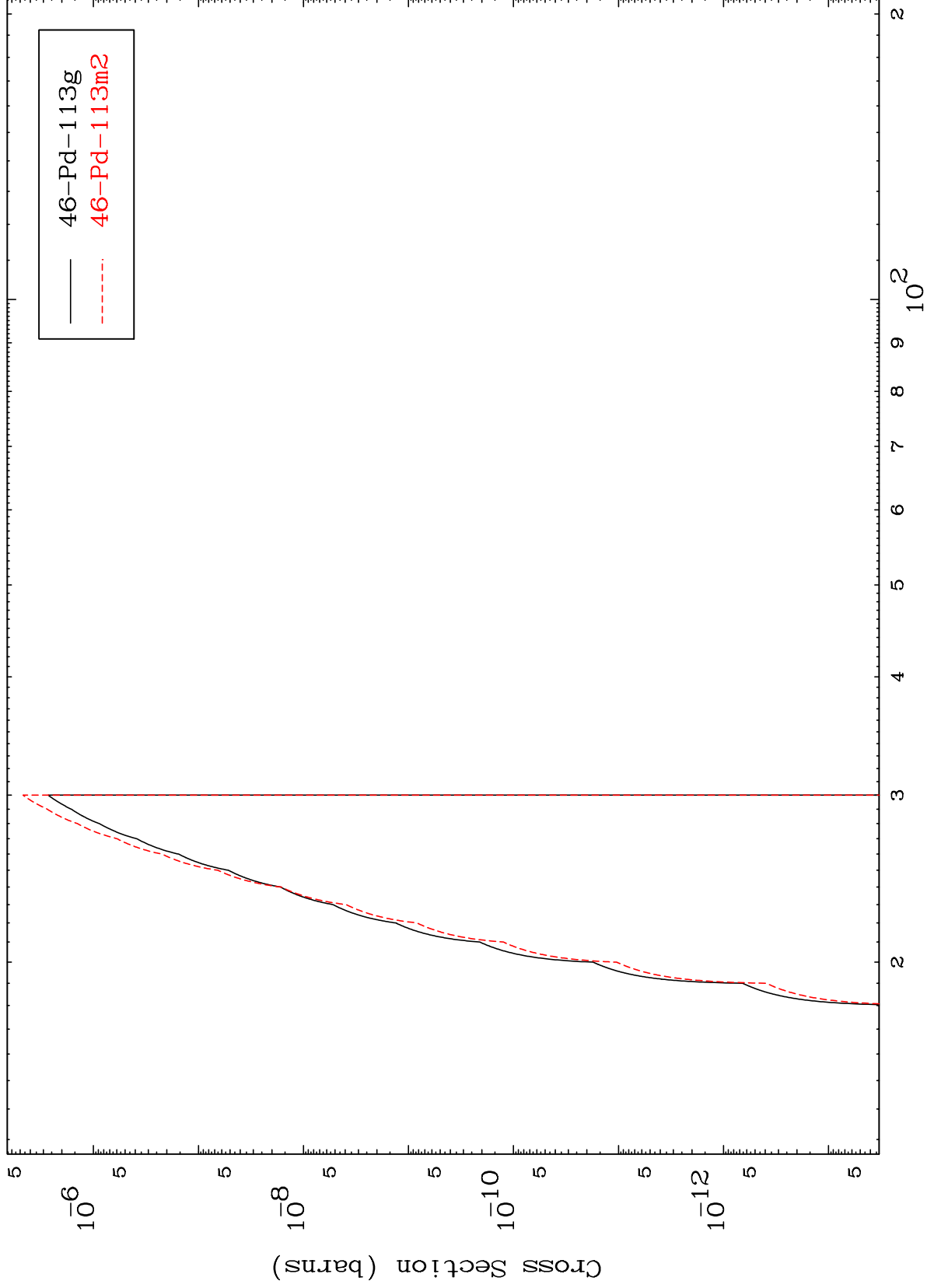
48-Cd-114

MAT 4849

(n,2p)

48-Cd-114

Radionuclide Production Cross Section



143

Incident Energy (MeV)

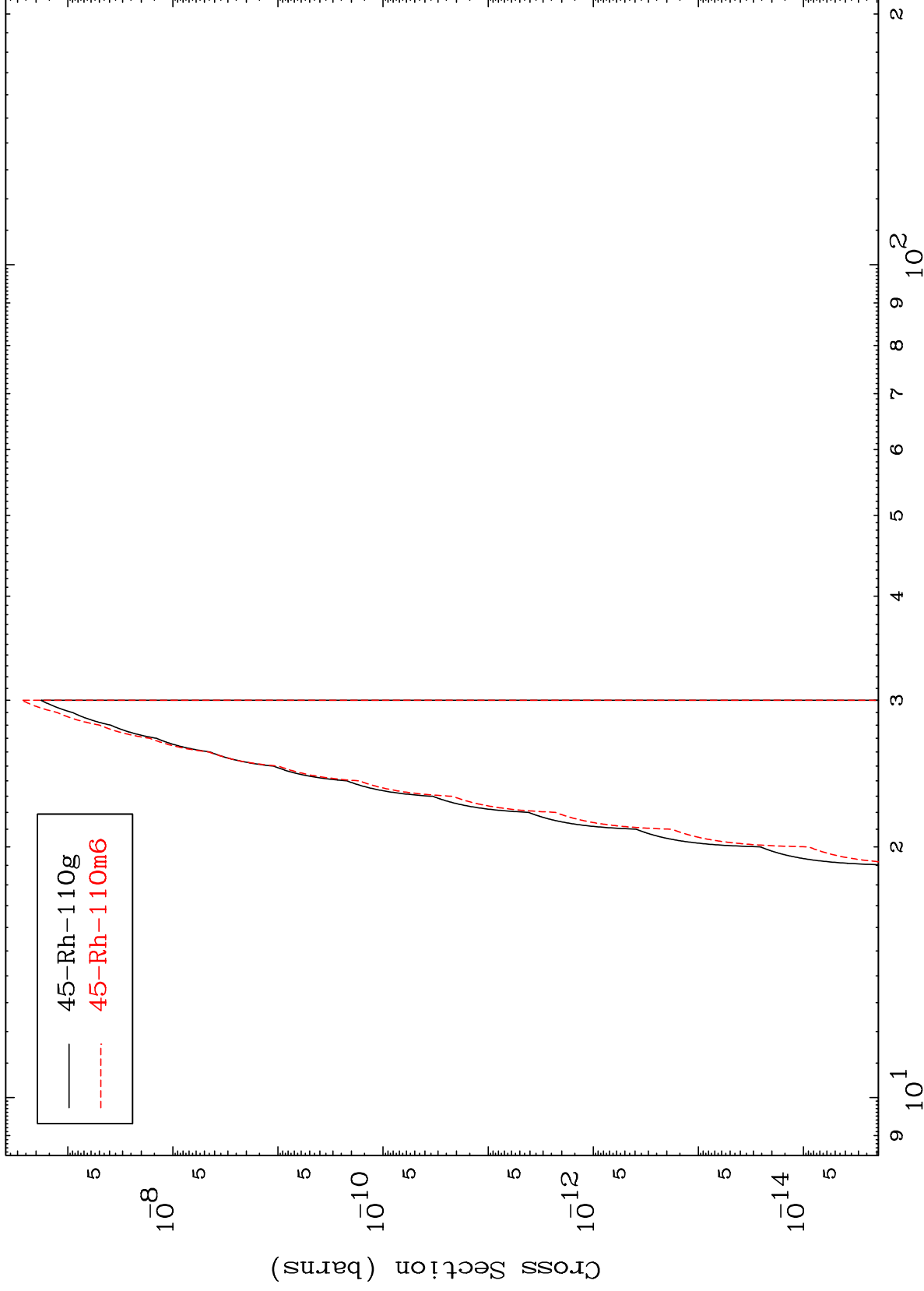
48-Cd-114

MAT 4849

(n,p) α

48-Cd-114

Radionuclide Production Cross Section



144

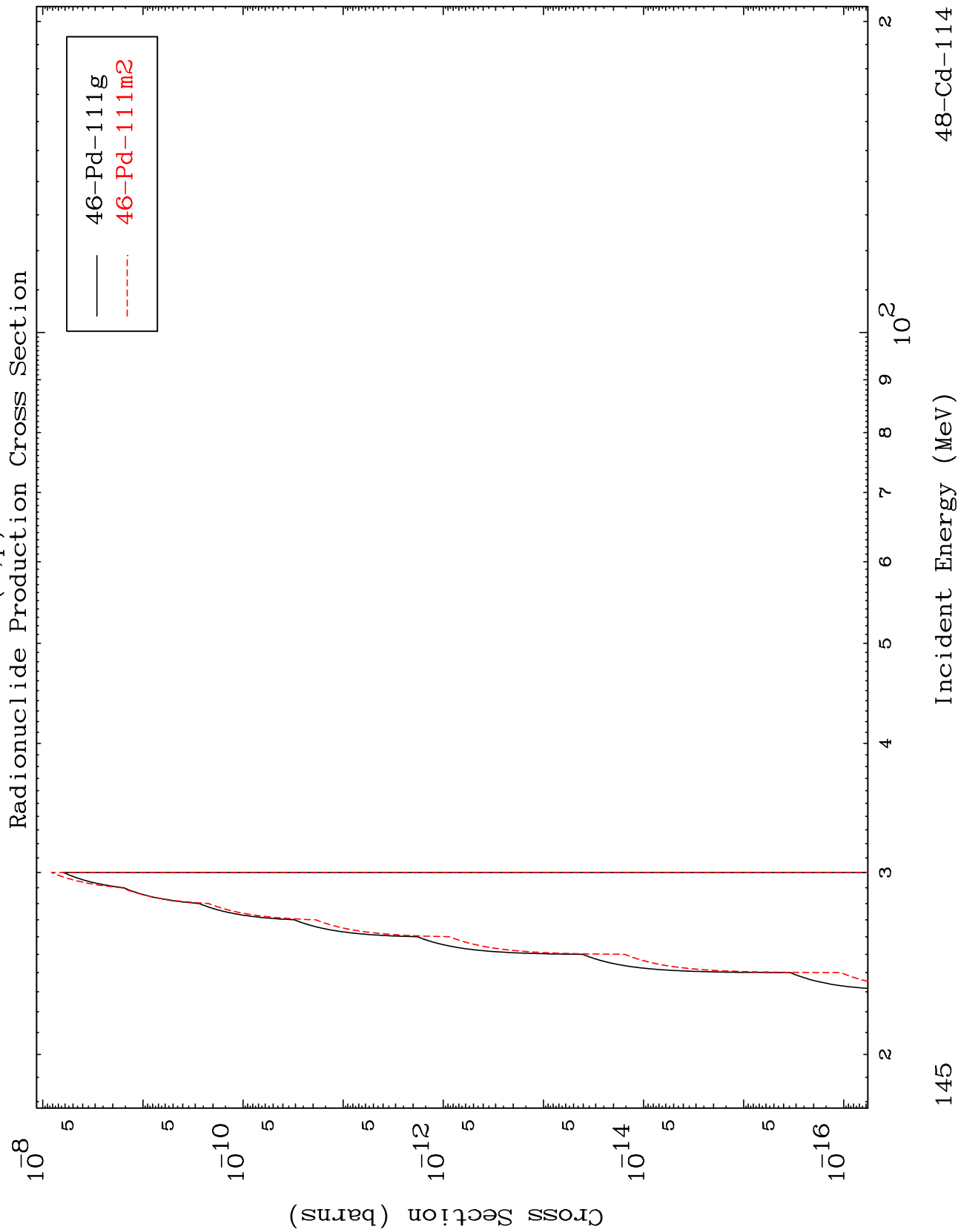
Incident Energy (MeV)

48-Cd-114

MAT 4849

(n,p) t

48-Cd-114



145

48-Cd-114