

Program EVALPLOT
(Version 2018-1)

by

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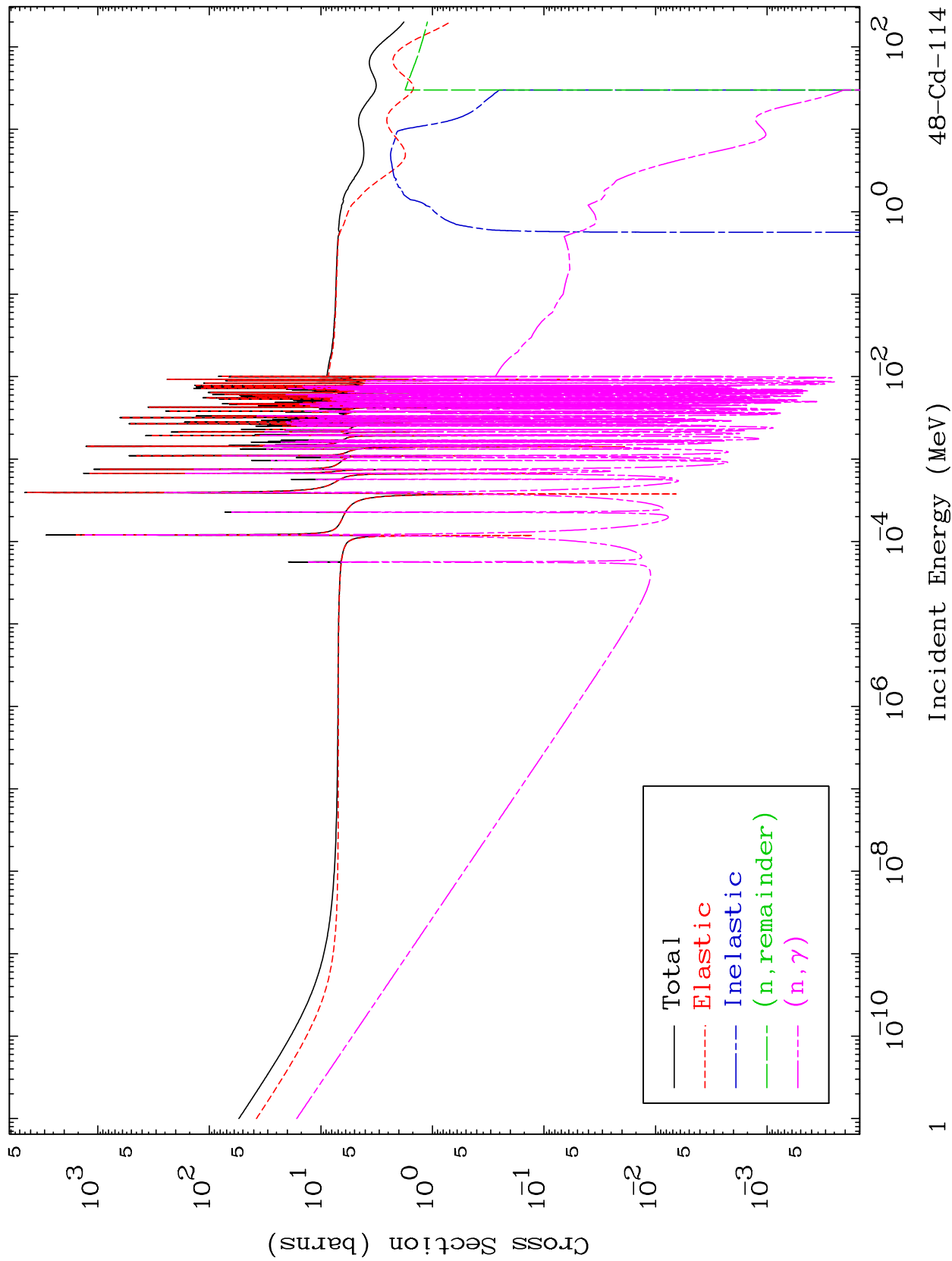
Press Mouse Button to Start

MAT 4849

Major

293 Kelvin Cross Sections

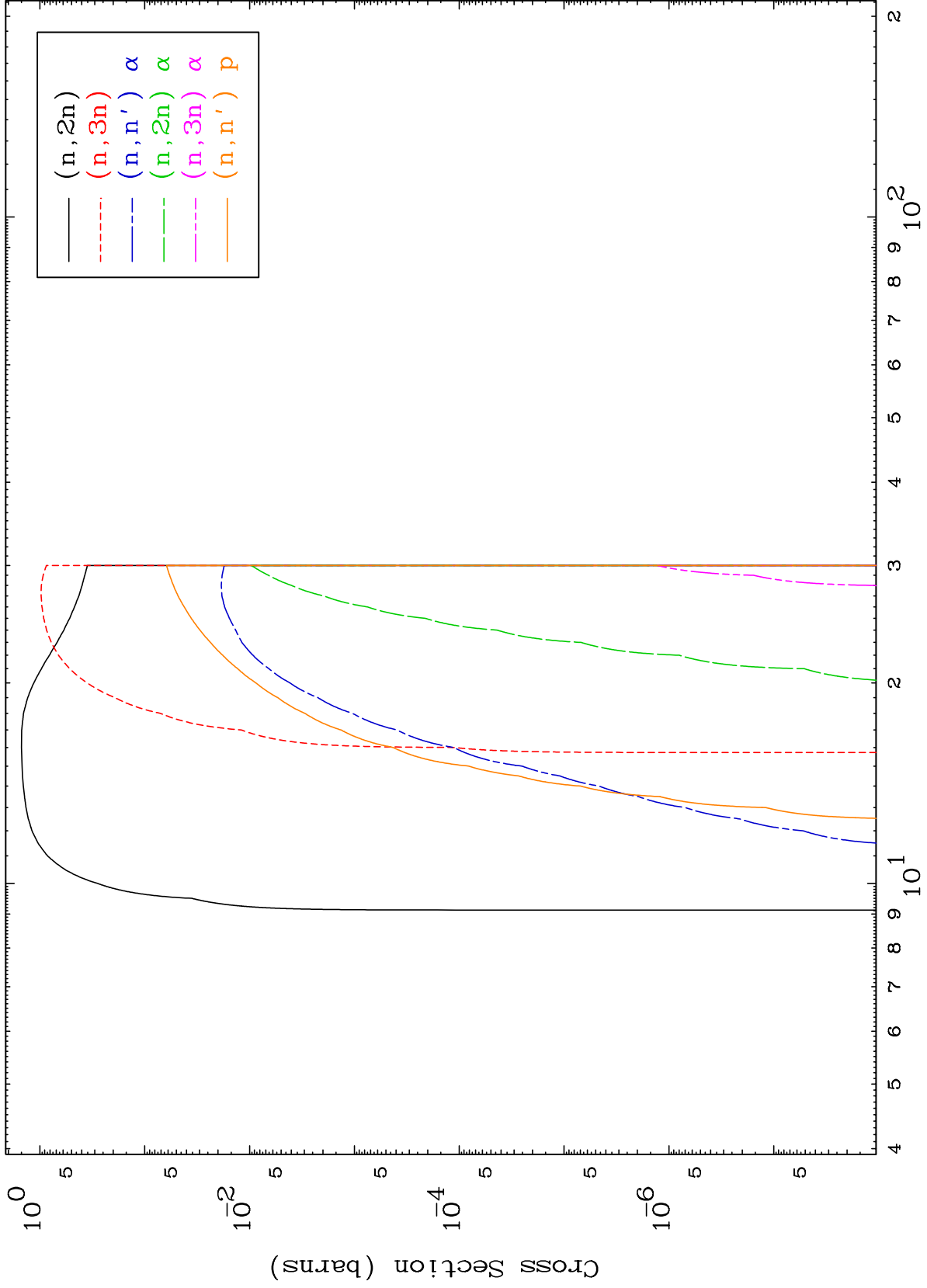
48-Cd-114



MAT 4849

Neutron Production
293 Kelvin Cross Sections

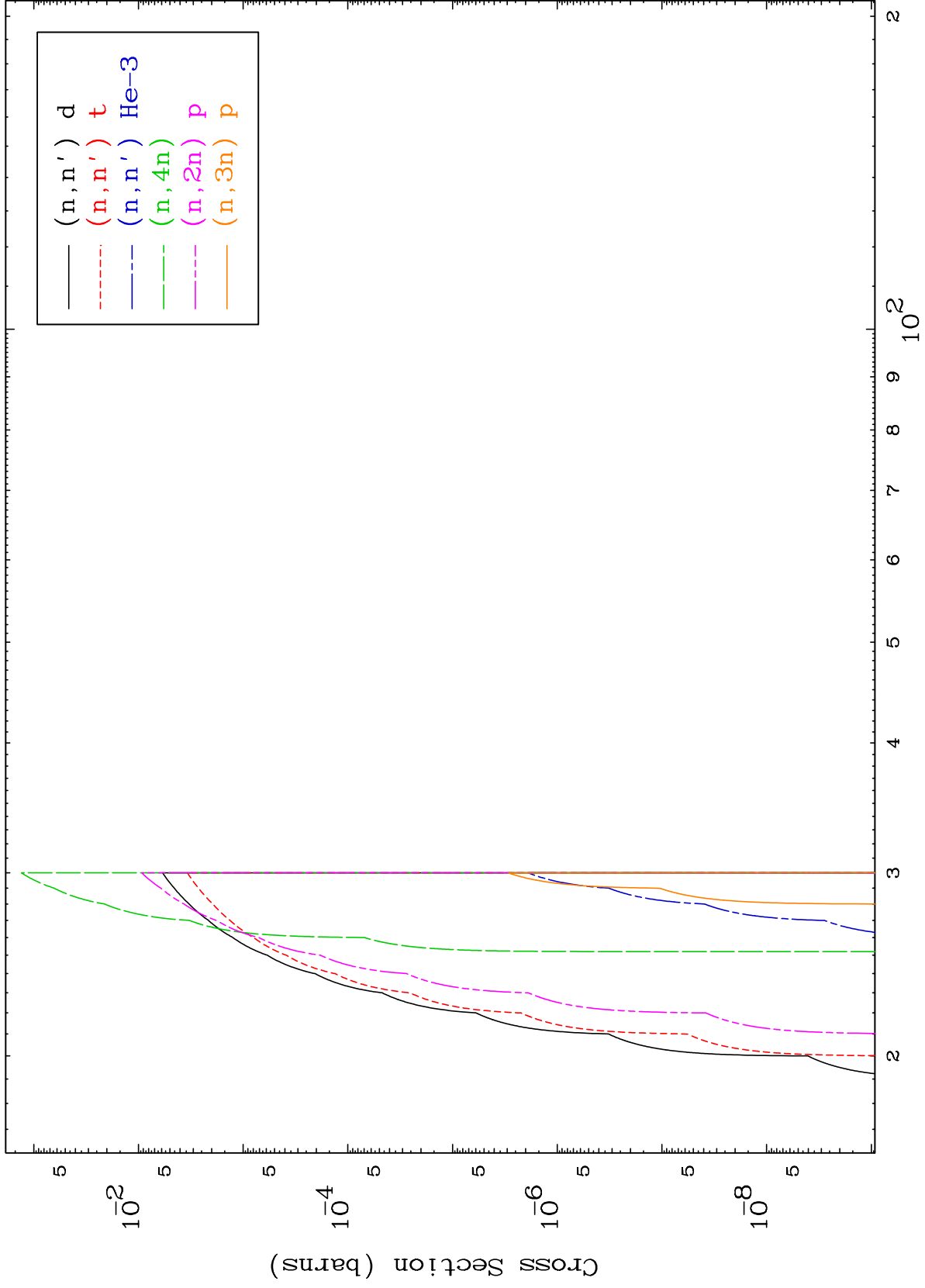
48-Cd-114



2

Incident Energy (MeV)

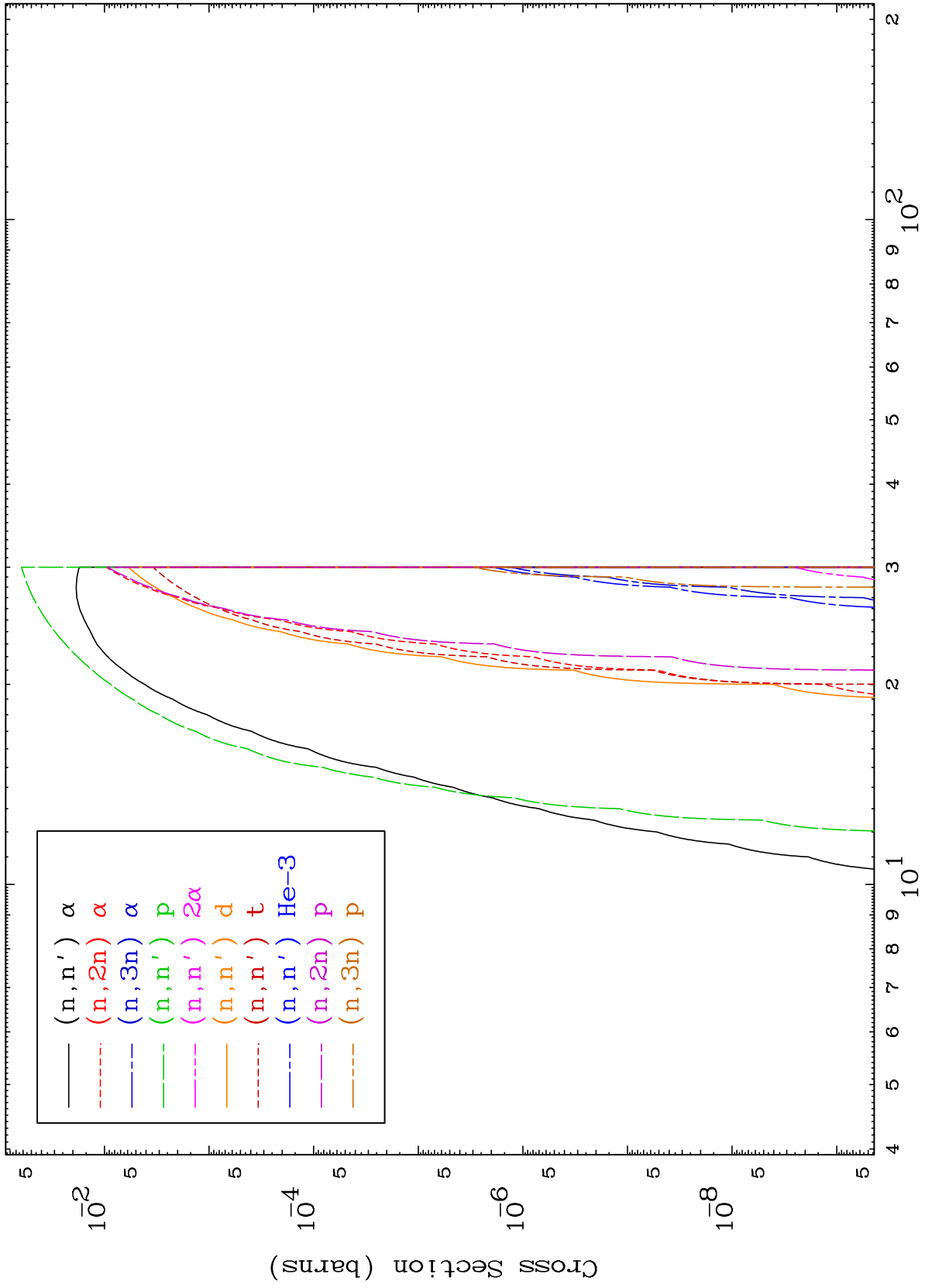
48-Cd-114



MAT 4849

Charged Particle
293 Kelvin Cross Sections

48-Cd-114



4

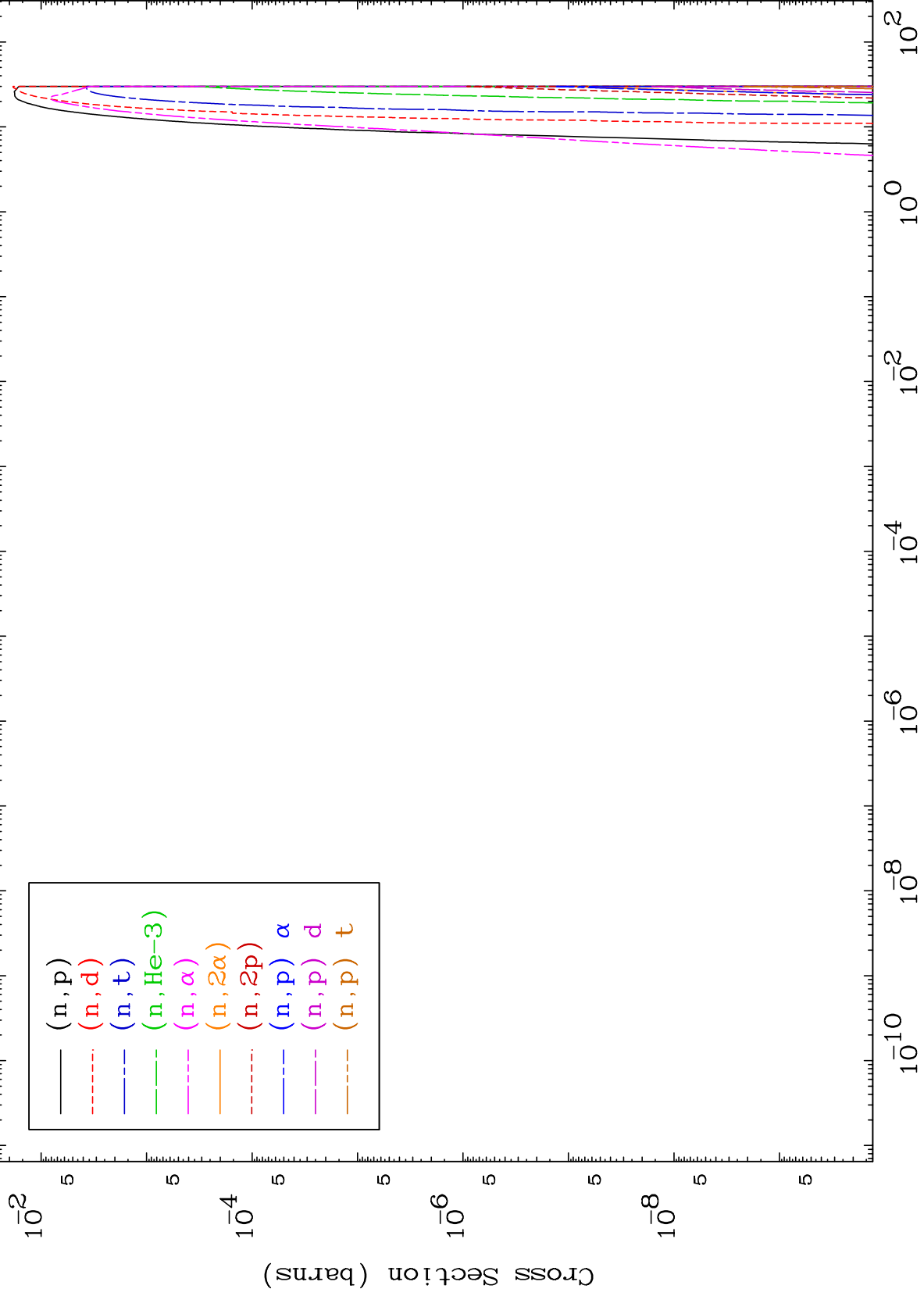
Incident Energy (MeV)

48-Cd-114

MAT 4849

Charged Particle
293 Kelvin Cross Sections

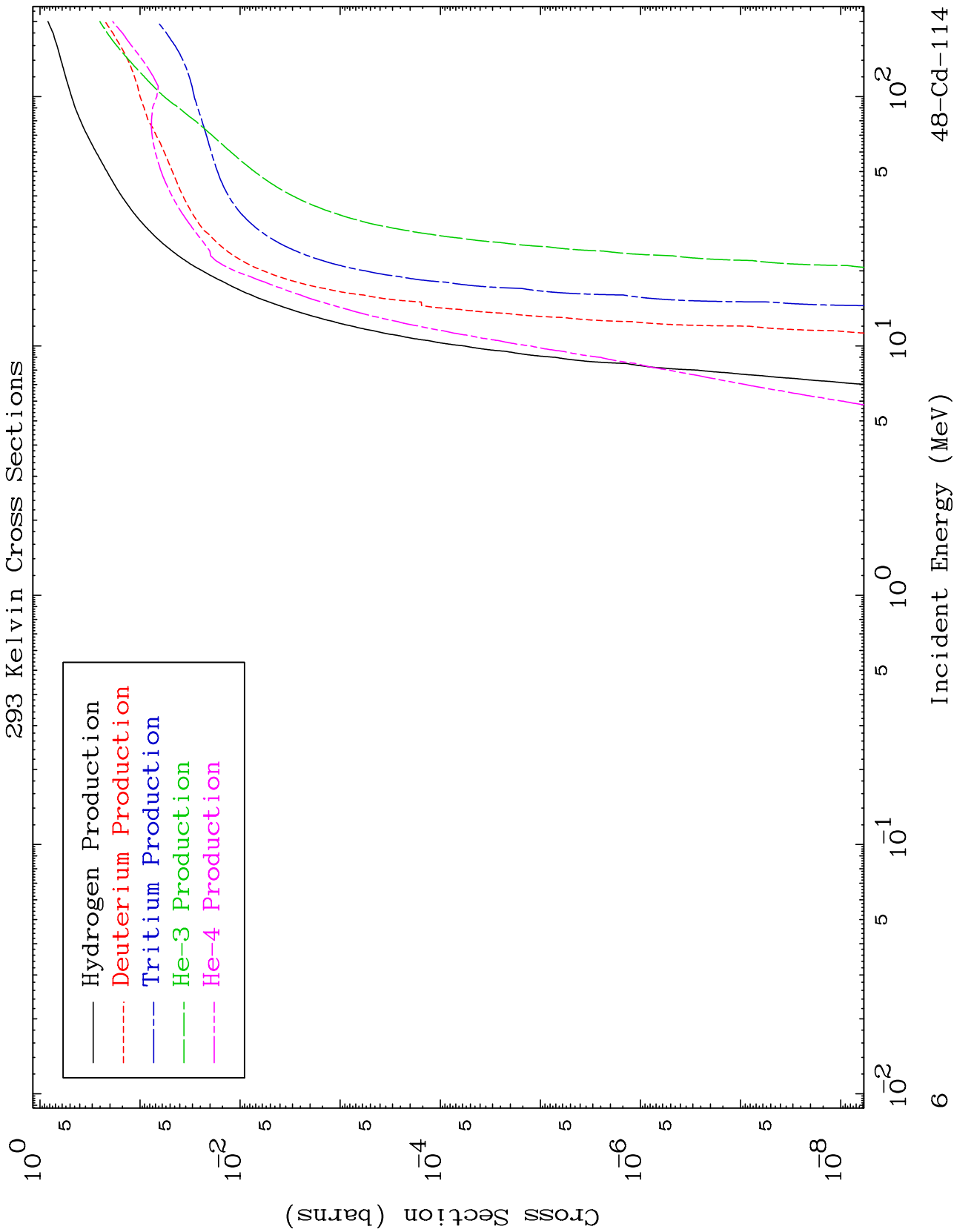
48-Cd-114



MAT 4849

Particle Production
293 Kelvin Cross Sections

48-Cd-114



48-Cd-114

Incident Energy (MeV)

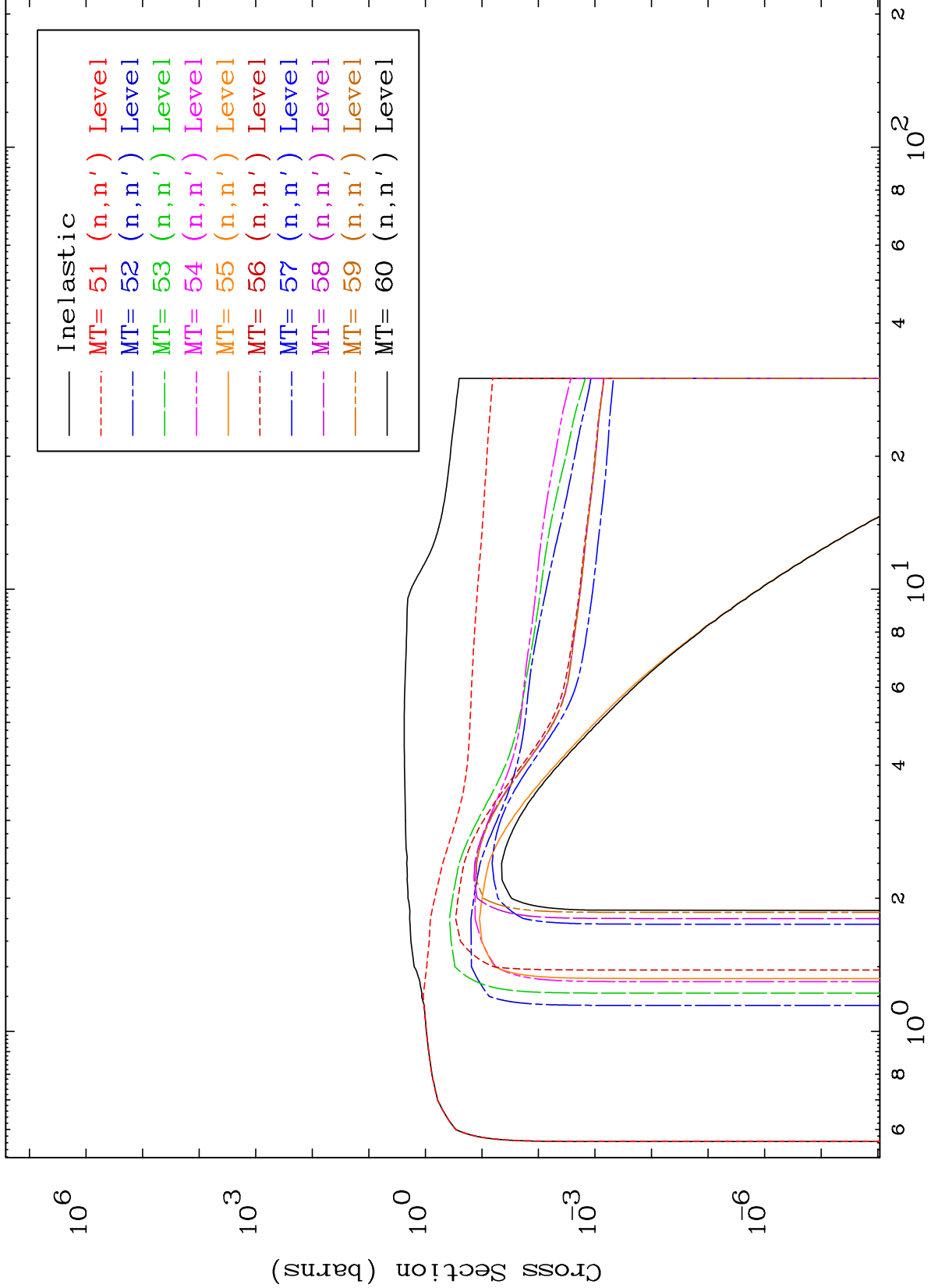
6

MAT 4849

(n,n') Level

48-Cd-114

293 Kelvin Cross Sections



7

Incident Energy (MeV)

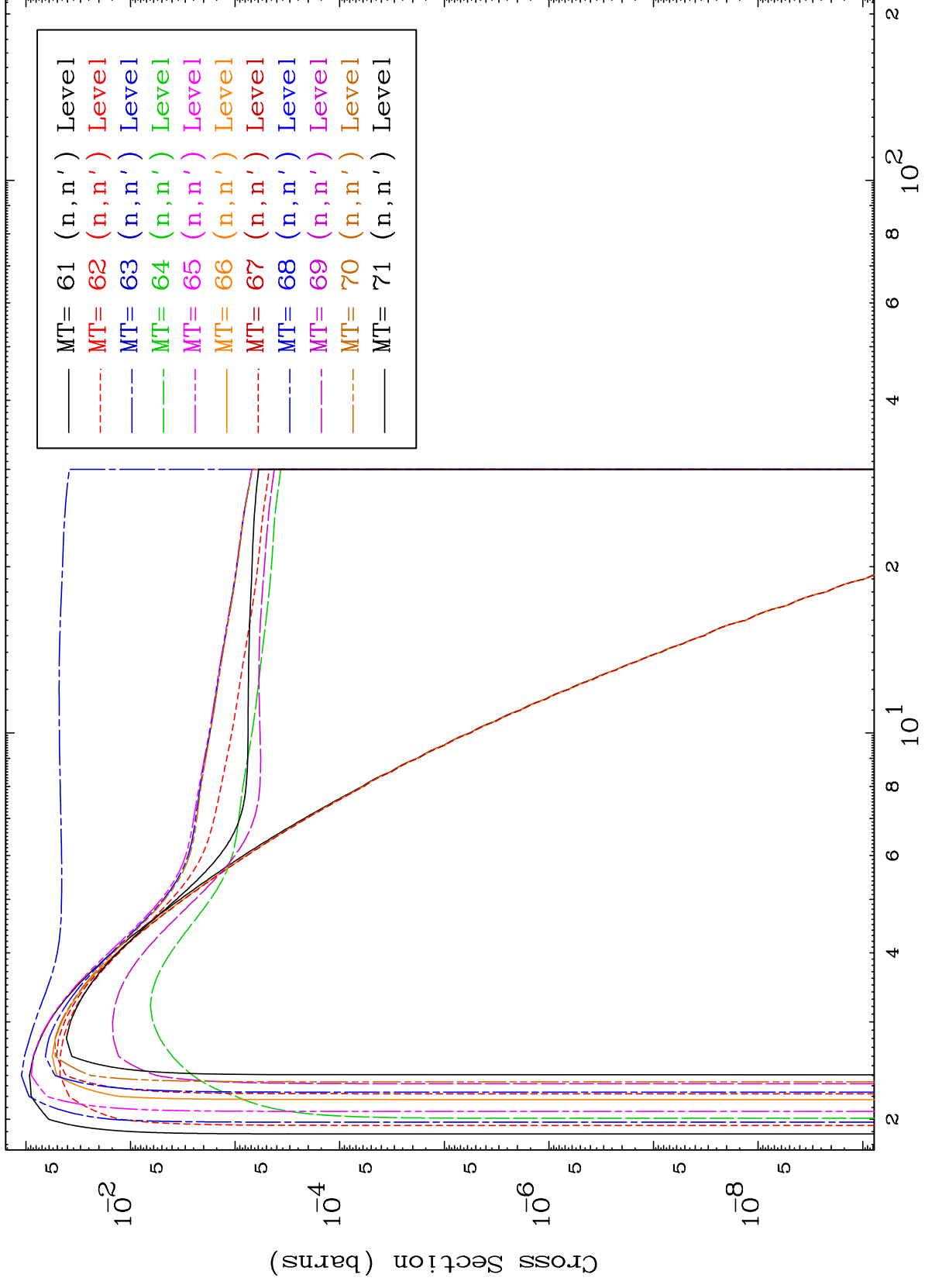
48-Cd-114

MAT 4849

(n,n') Level

48-Cd-114

293 Kelvin Cross Sections



| Line Style | MT= | (n, n') | Level |
|------------|-----|---------|-------|
| Solid | 61 | (n, n') | Level |
| Dashed | 62 | (n, n') | Level |
| Dash-dot | 63 | (n, n') | Level |
| Dotted | 64 | (n, n') | Level |
| Long-dash | 65 | (n, n') | Level |
| Solid | 66 | (n, n') | Level |
| Dashed | 67 | (n, n') | Level |
| Dash-dot | 68 | (n, n') | Level |
| Dotted | 69 | (n, n') | Level |
| Long-dash | 70 | (n, n') | Level |
| Solid | 71 | (n, n') | Level |

8

Incident Energy (MeV)

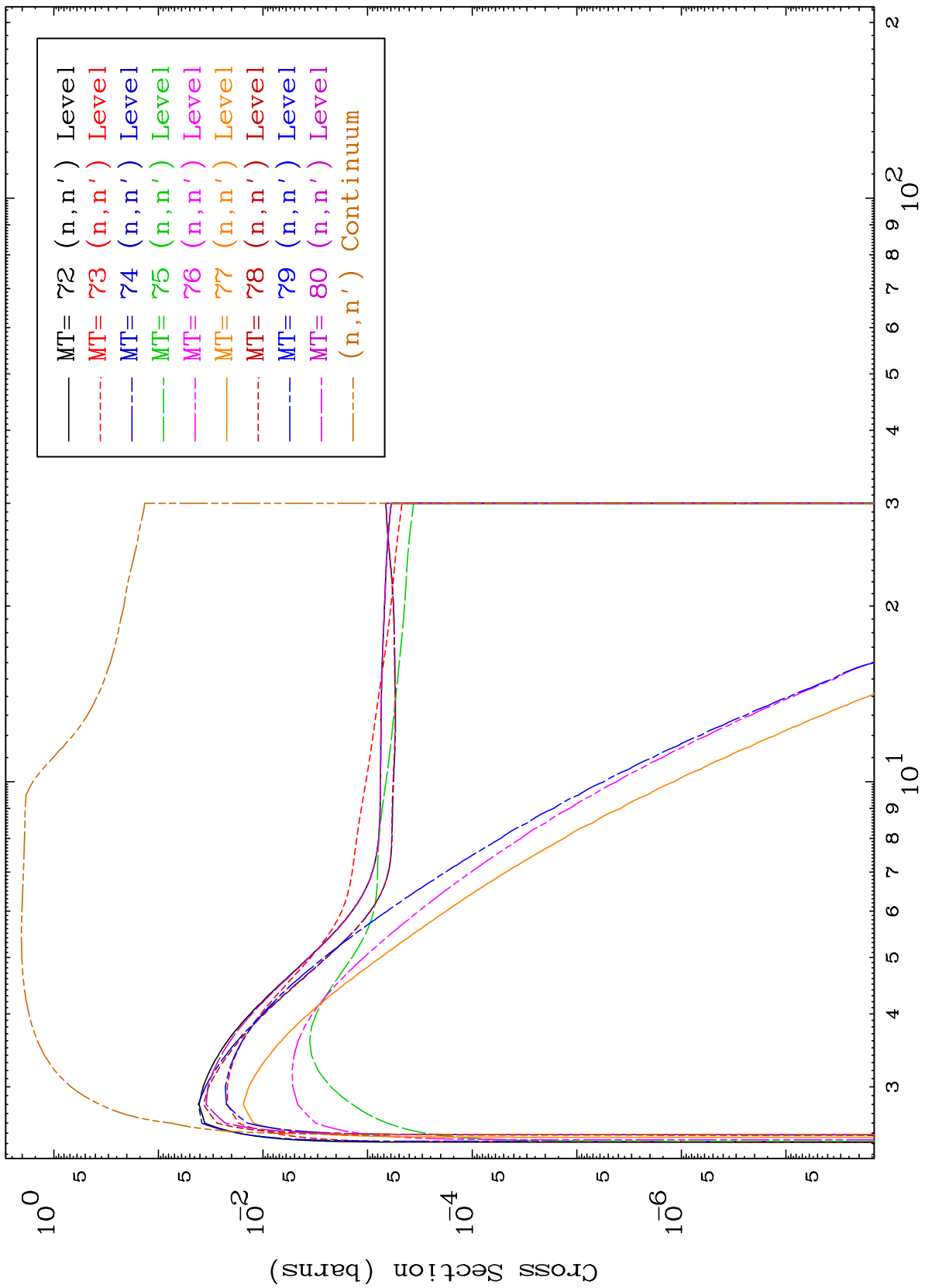
48-Cd-114

MAT 4849

(n,n') Level

48-Cd-114

293 Kelvin Cross Sections



9

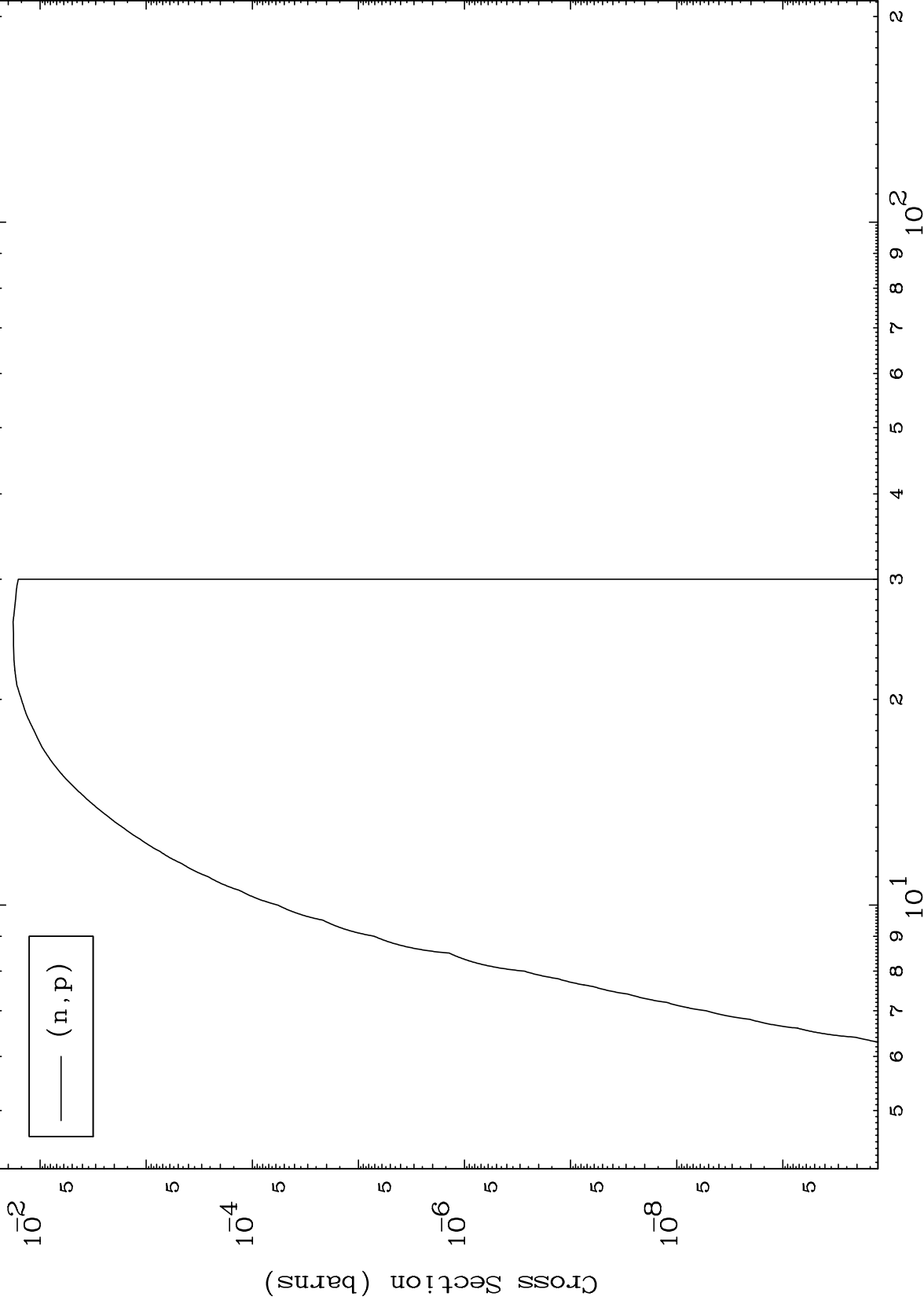
Incident Energy (MeV)

48-Cd-114

MAT 4849

(n,p) Levels
293 Kelvin Cross Sections

48-Cd-114



10

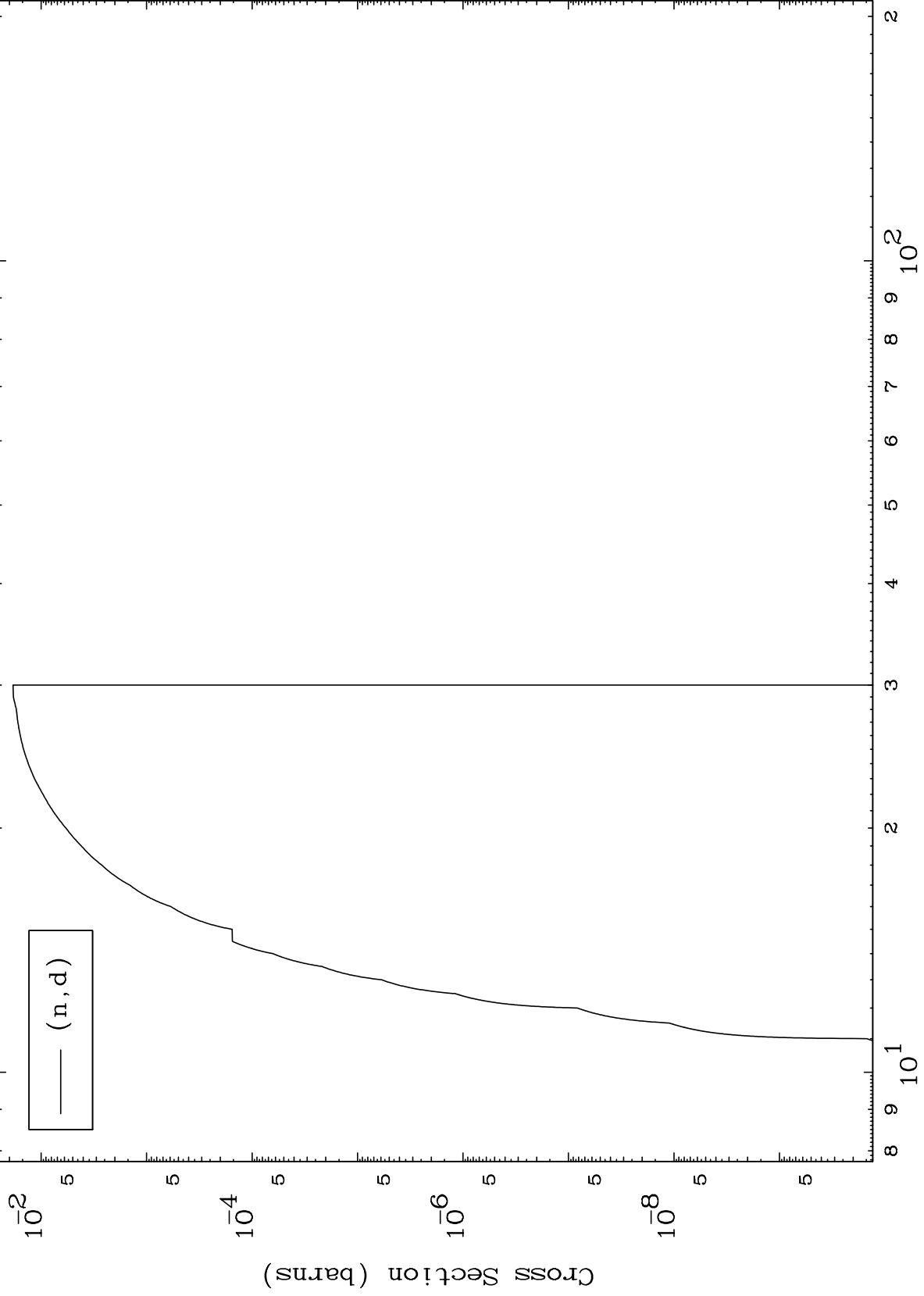
Incident Energy (MeV)

48-Cd-114

MAT 4849

(n,d) Levels
293 Kelvin Cross Sections

48-Cd-114

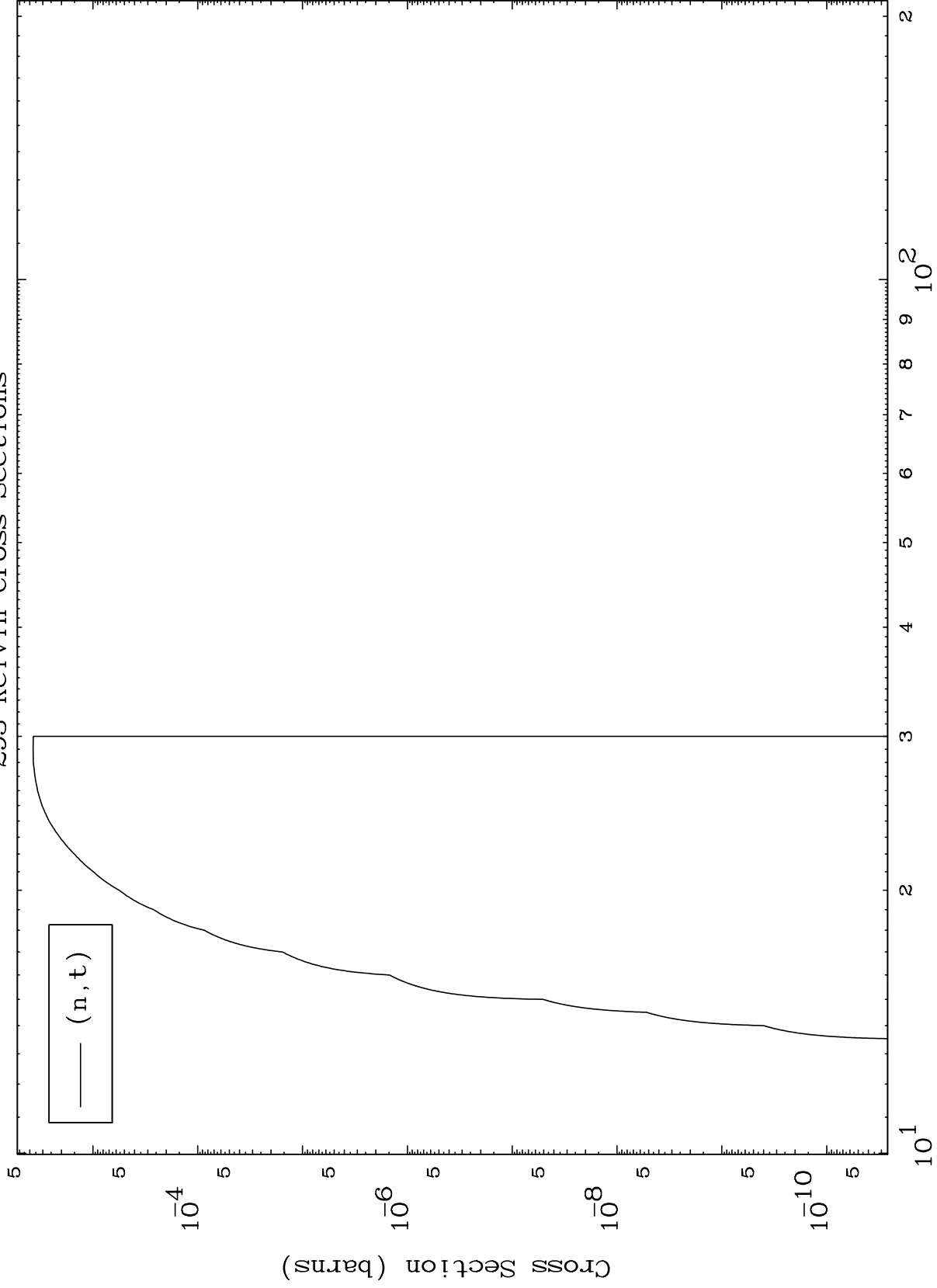


(n,d)

MAT 4849

(n,t) Levels
293 Kelvin Cross Sections

48-Cd-114



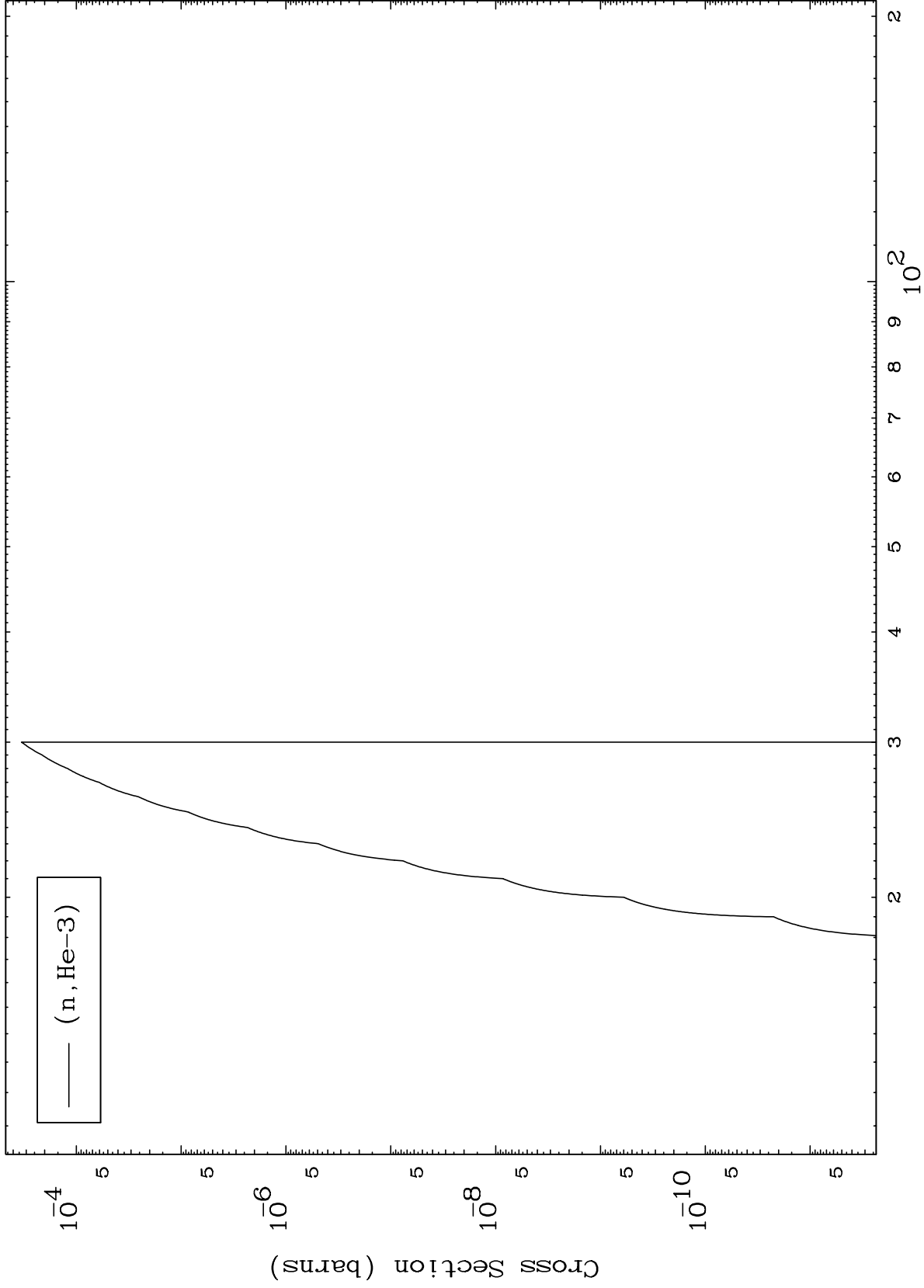
Incident Energy (MeV)

48-Cd-114

MAT 4849

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-114



13

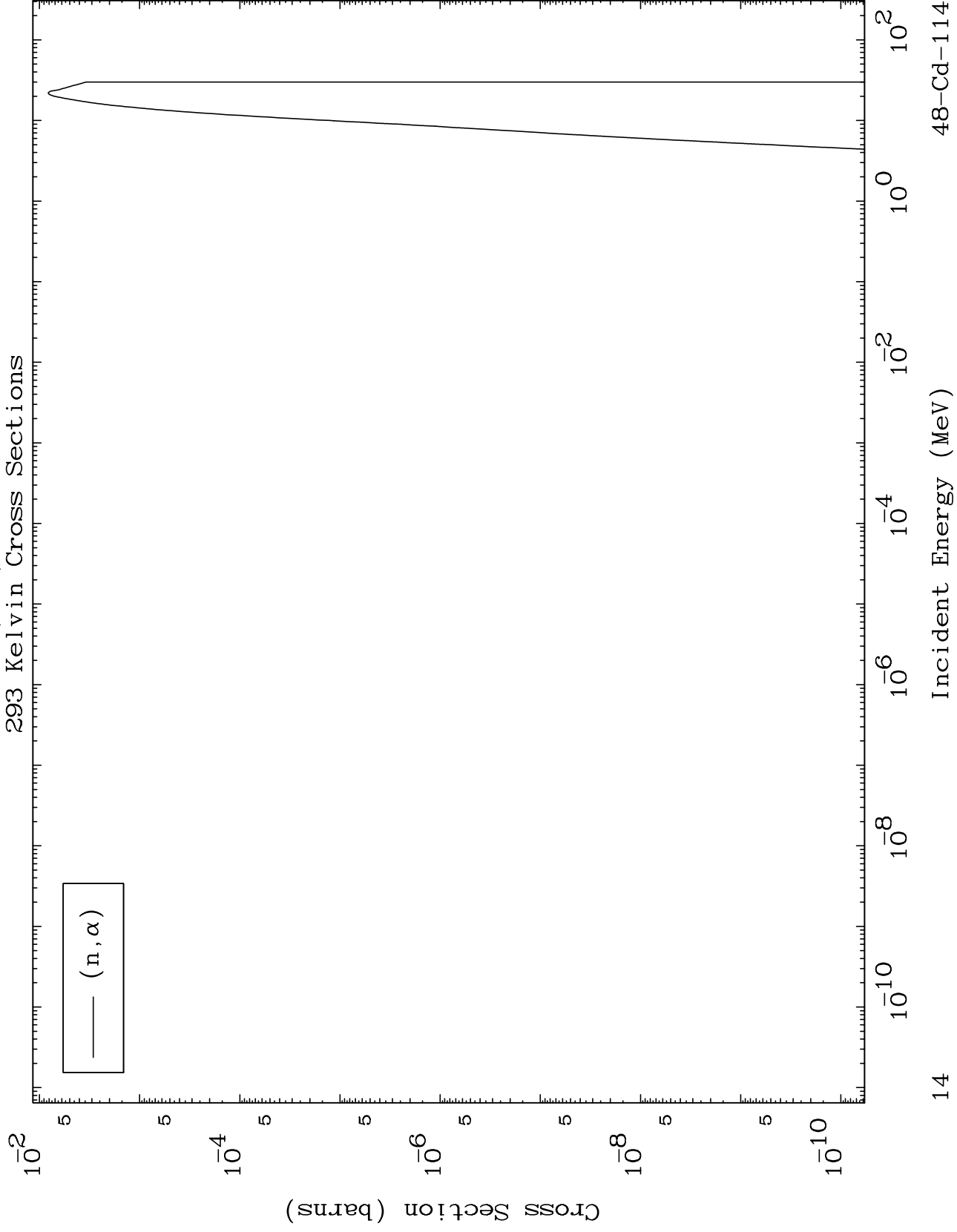
Incident Energy (MeV)

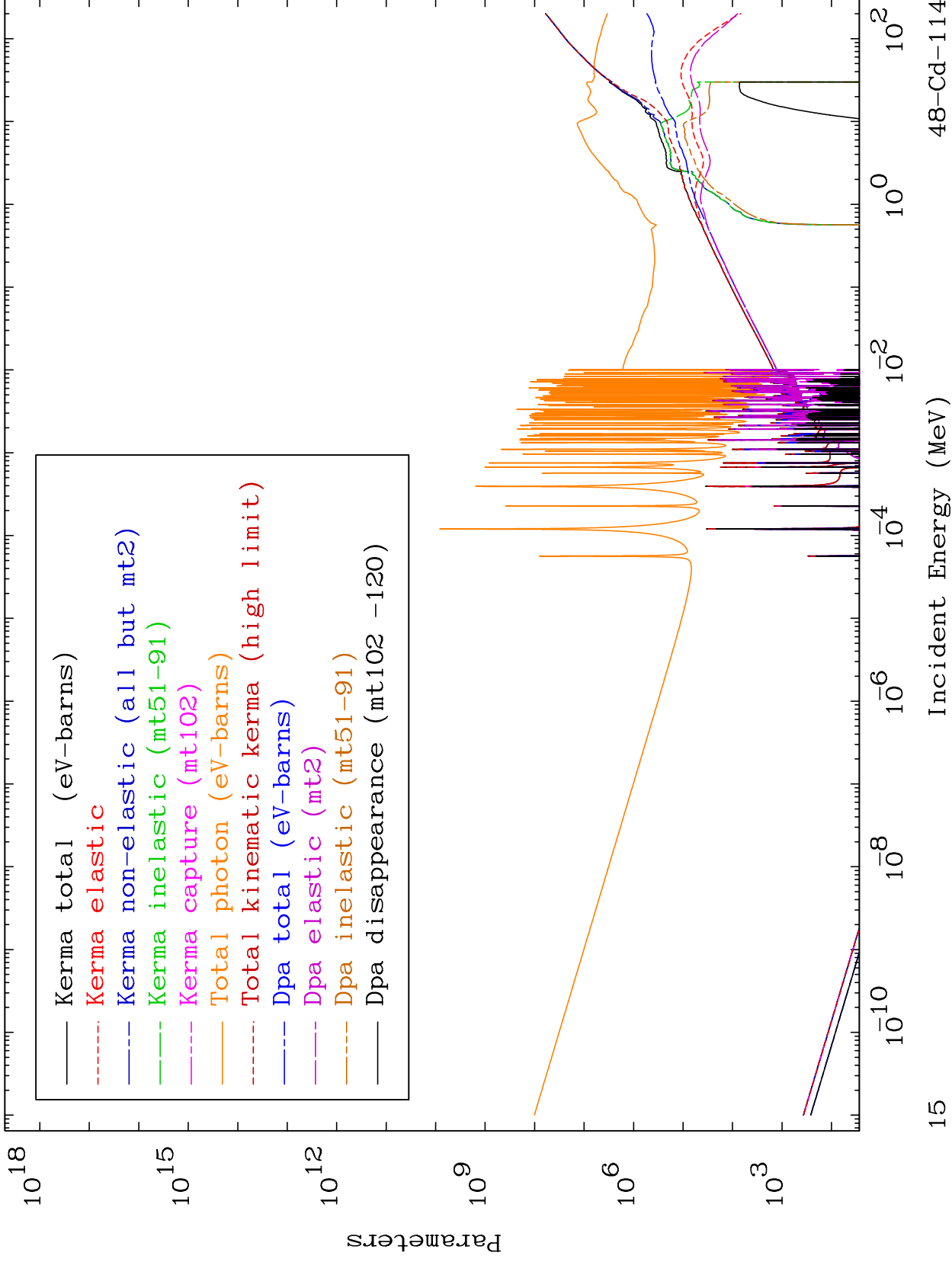
48-Cd-114

MAT 4849

(n, α) Levels
293 Kelvin Cross Sections

48-Cd-114

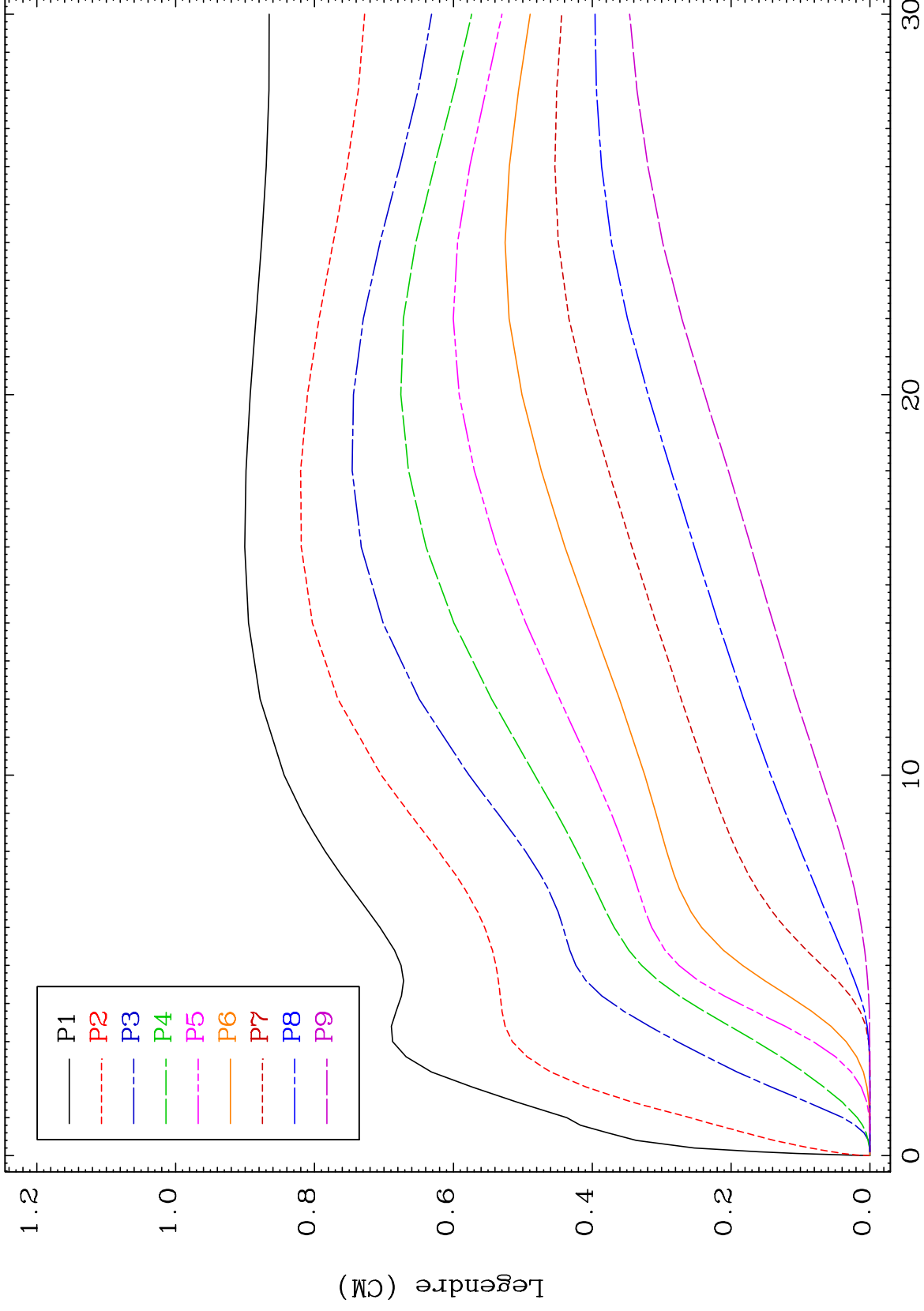




MAT 4849

Elastic Legendre Coefficients

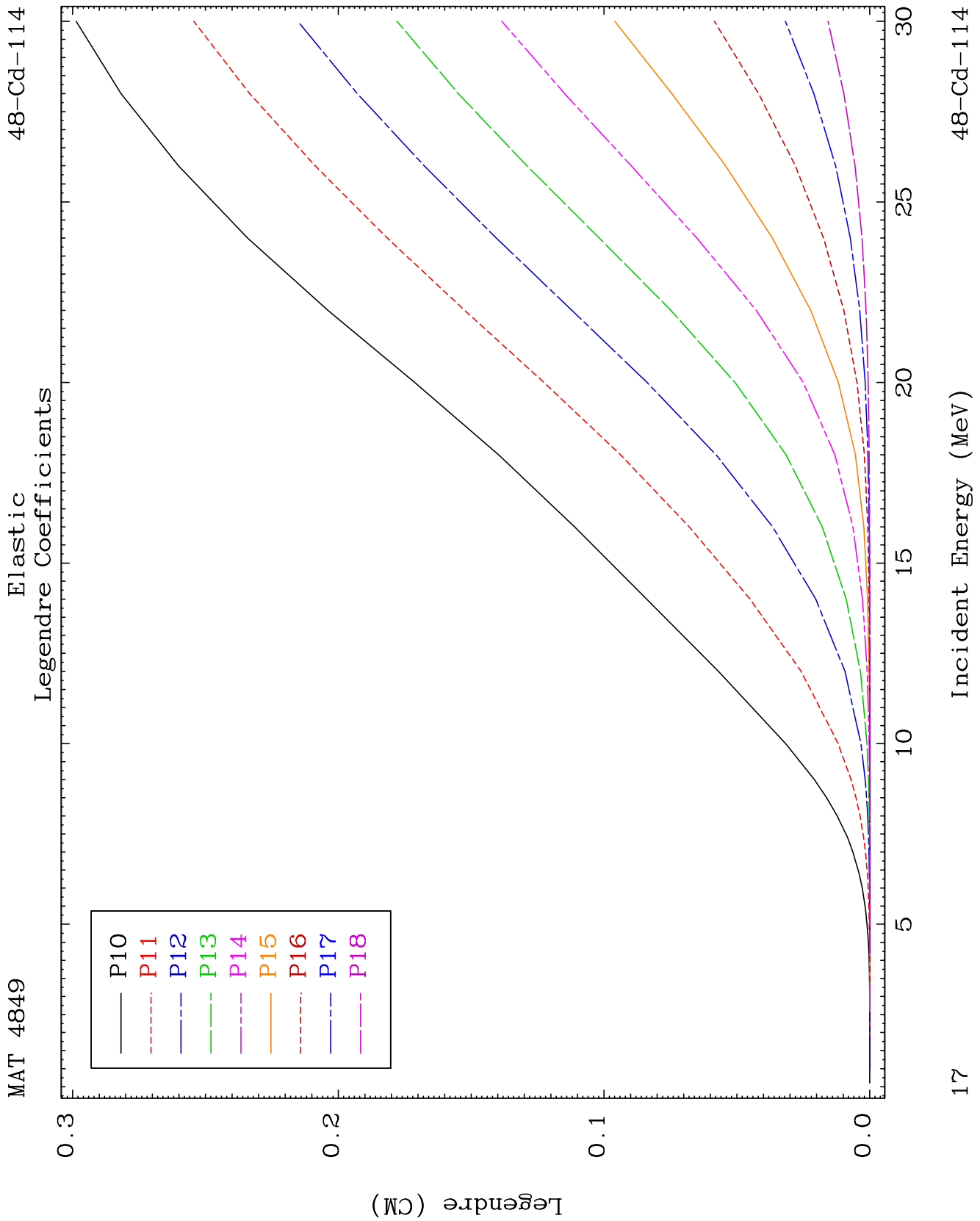
48-Cd-114



16

Incident Energy (MeV)

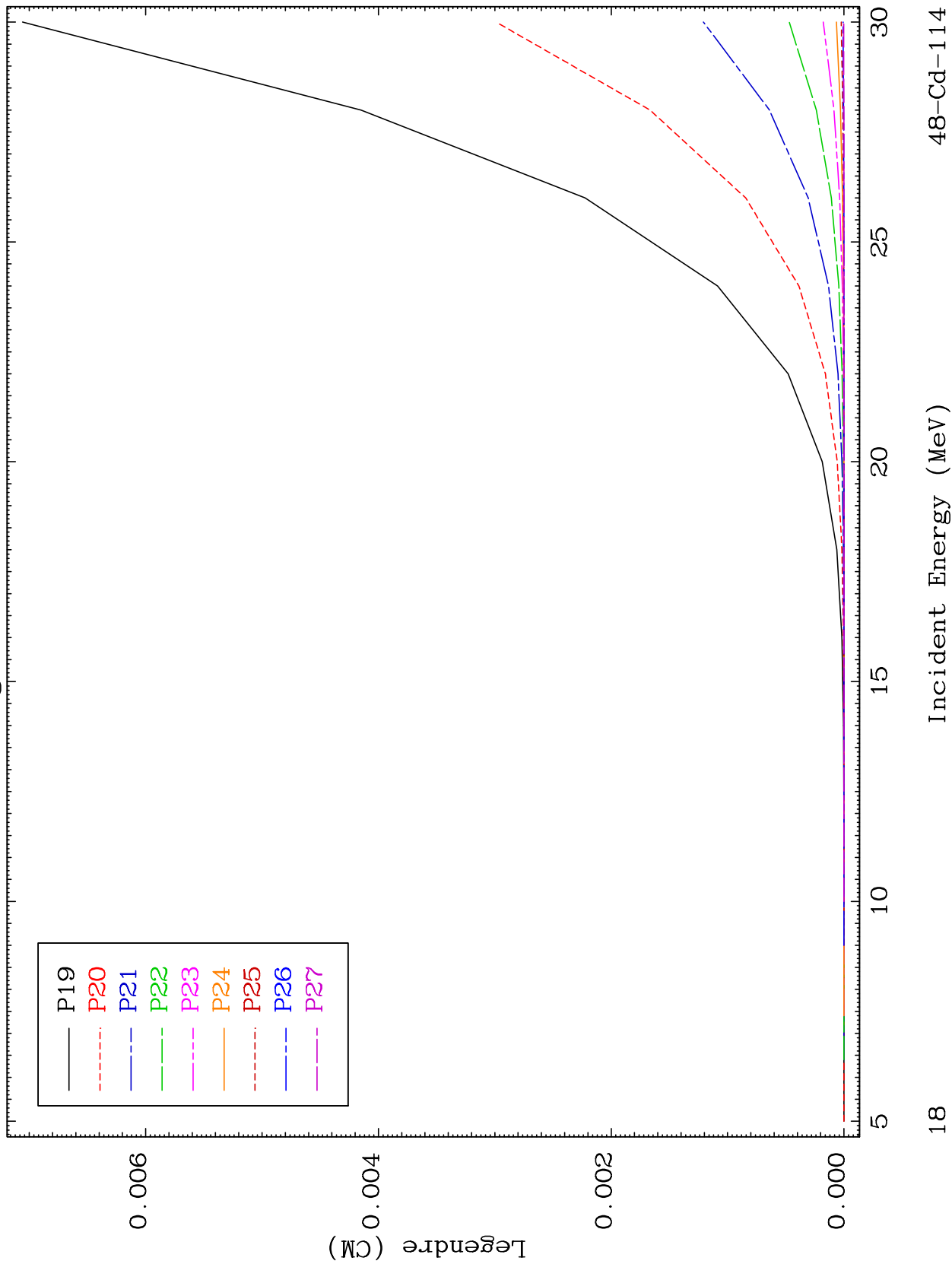
48-Cd-114



MAT 4849

Elastic Legendre Coefficients

48-Cd-114

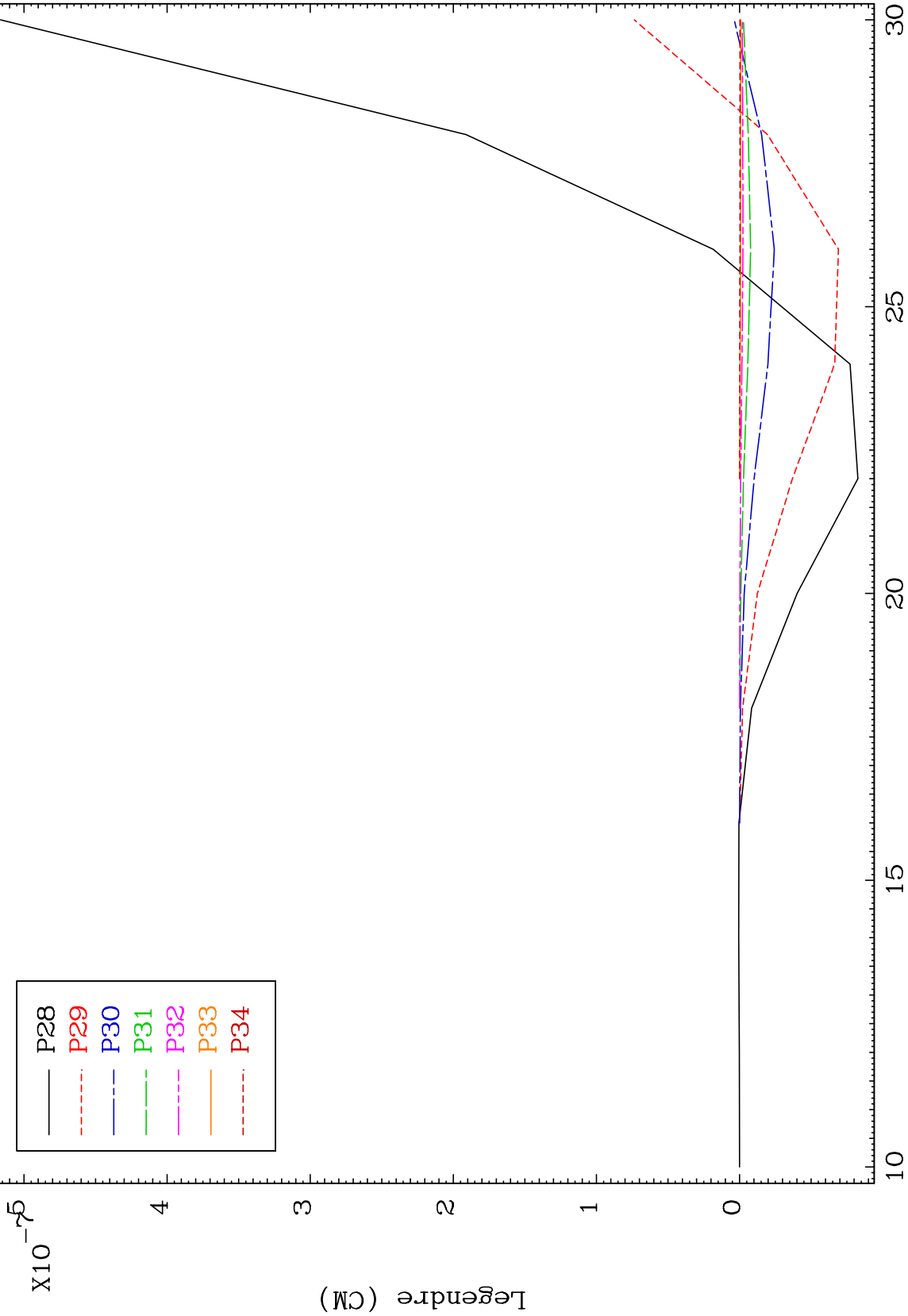


- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

MAT 4849

Elastic
Legendre Coefficients

48-Cd-114



19

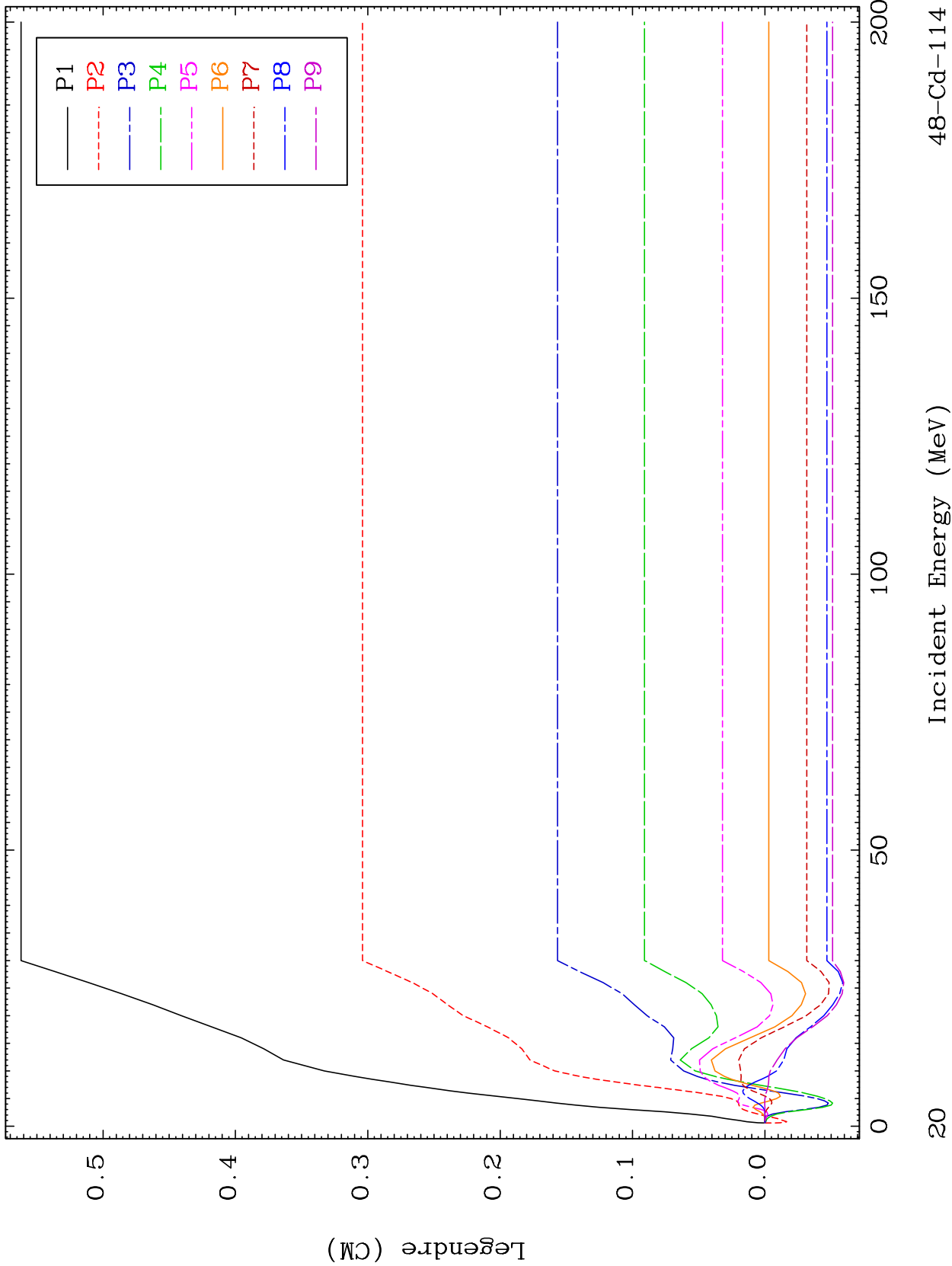
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



48-Cd-114

Incident Energy (MeV)

0

50

100

150

200

Legendre (CM)

0.5

0.4

0.3

0.2

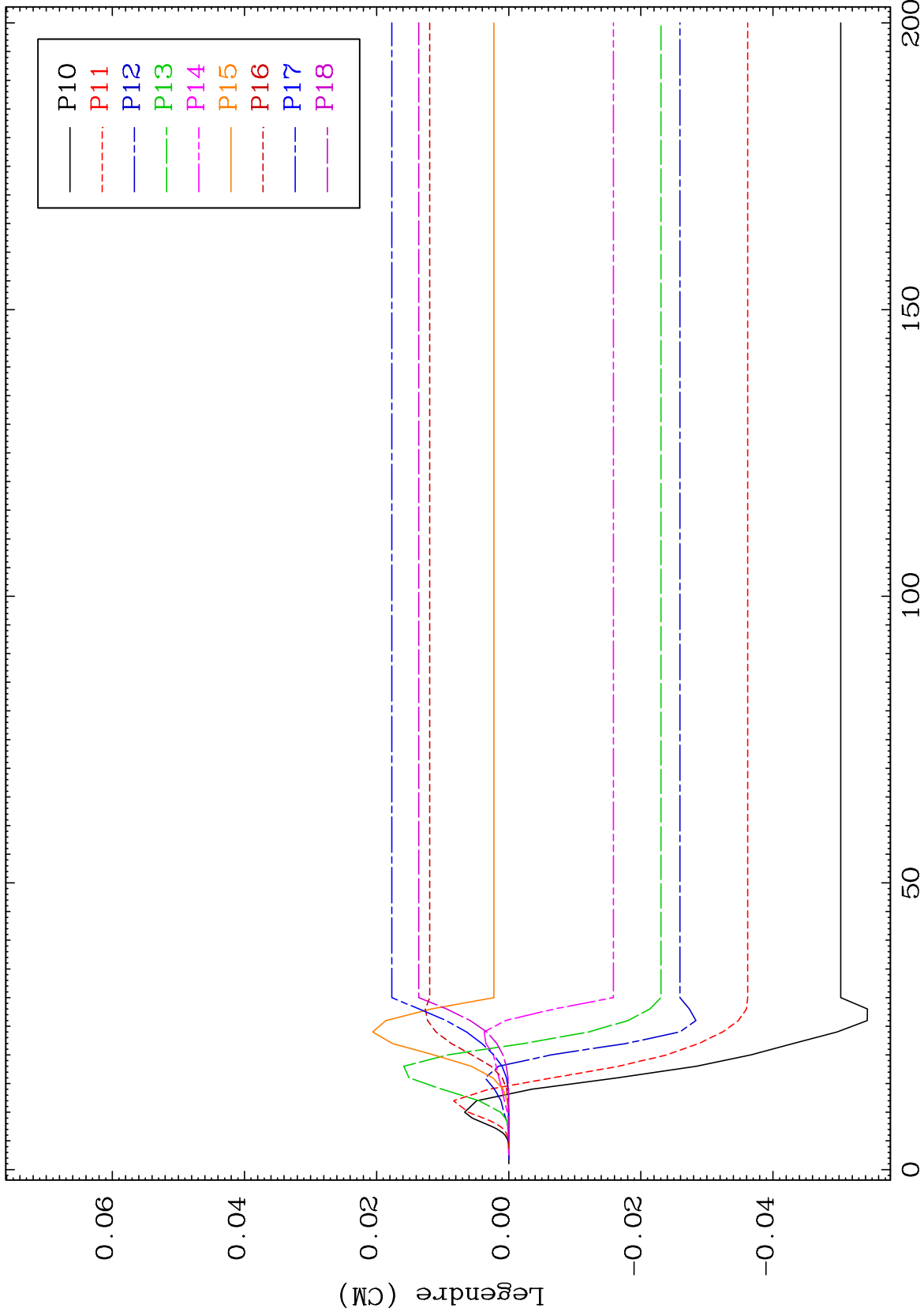
0.1

0.0

MAT 4849

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

48-Cd-114



21

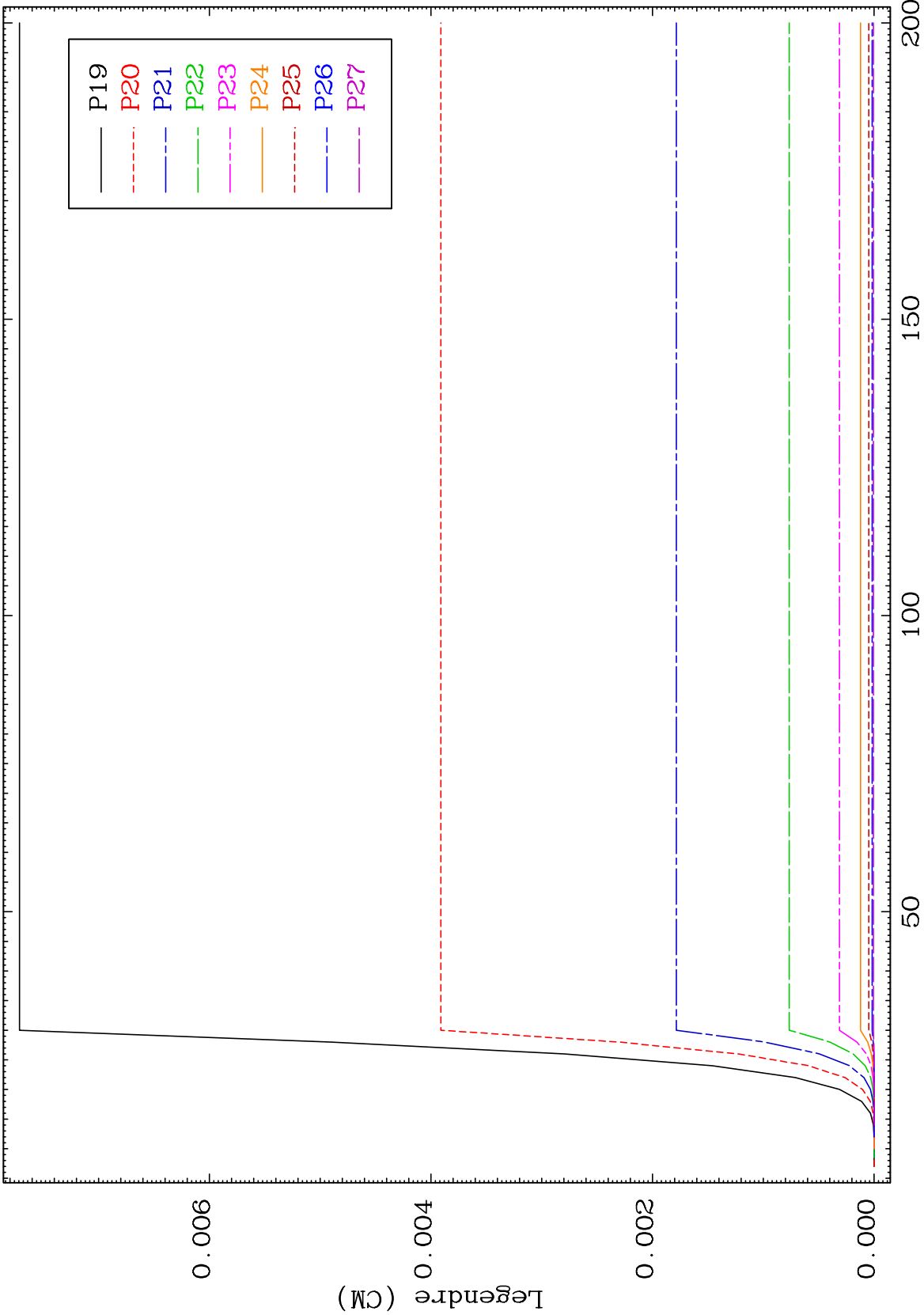
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



22

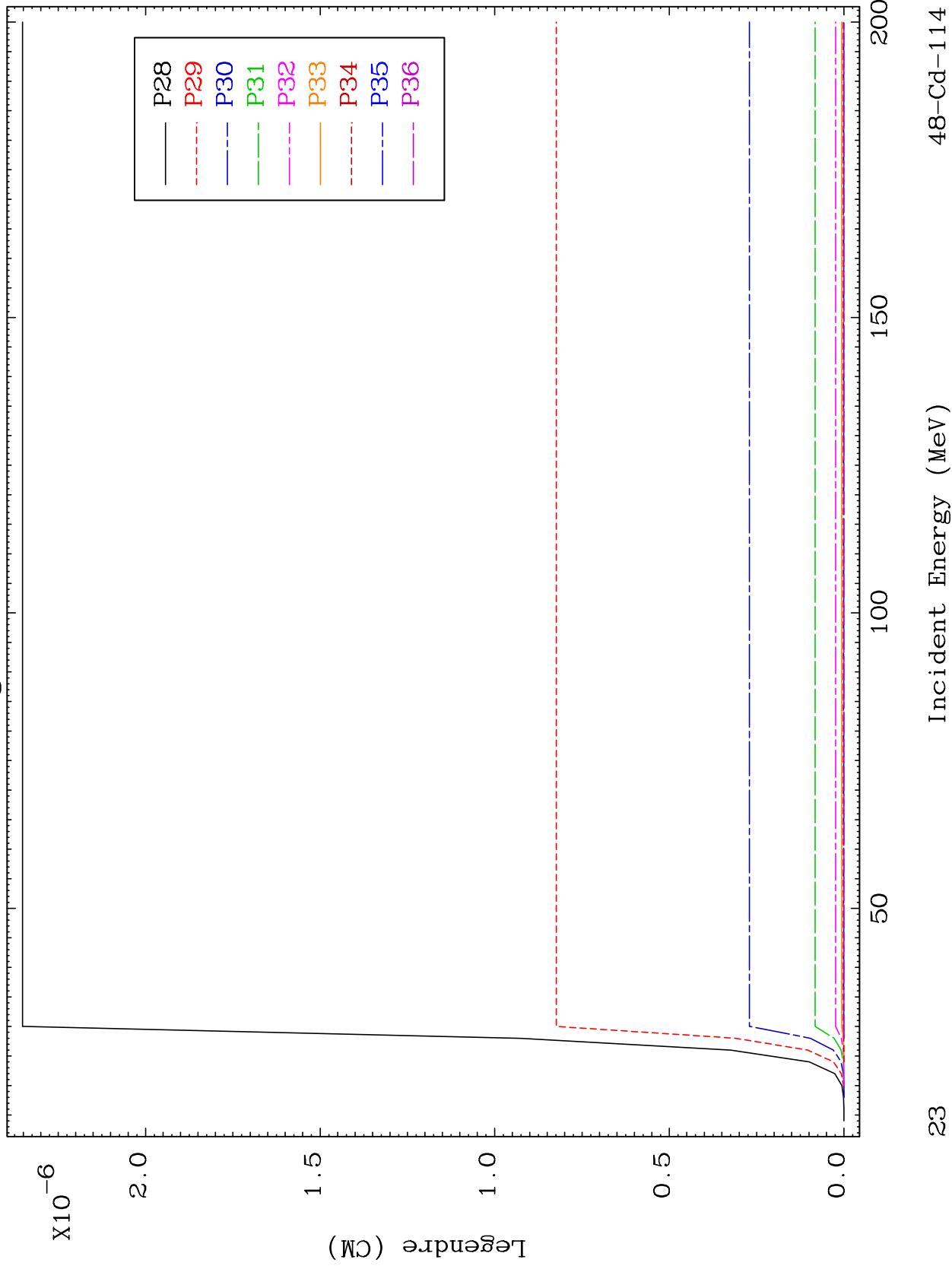
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



23

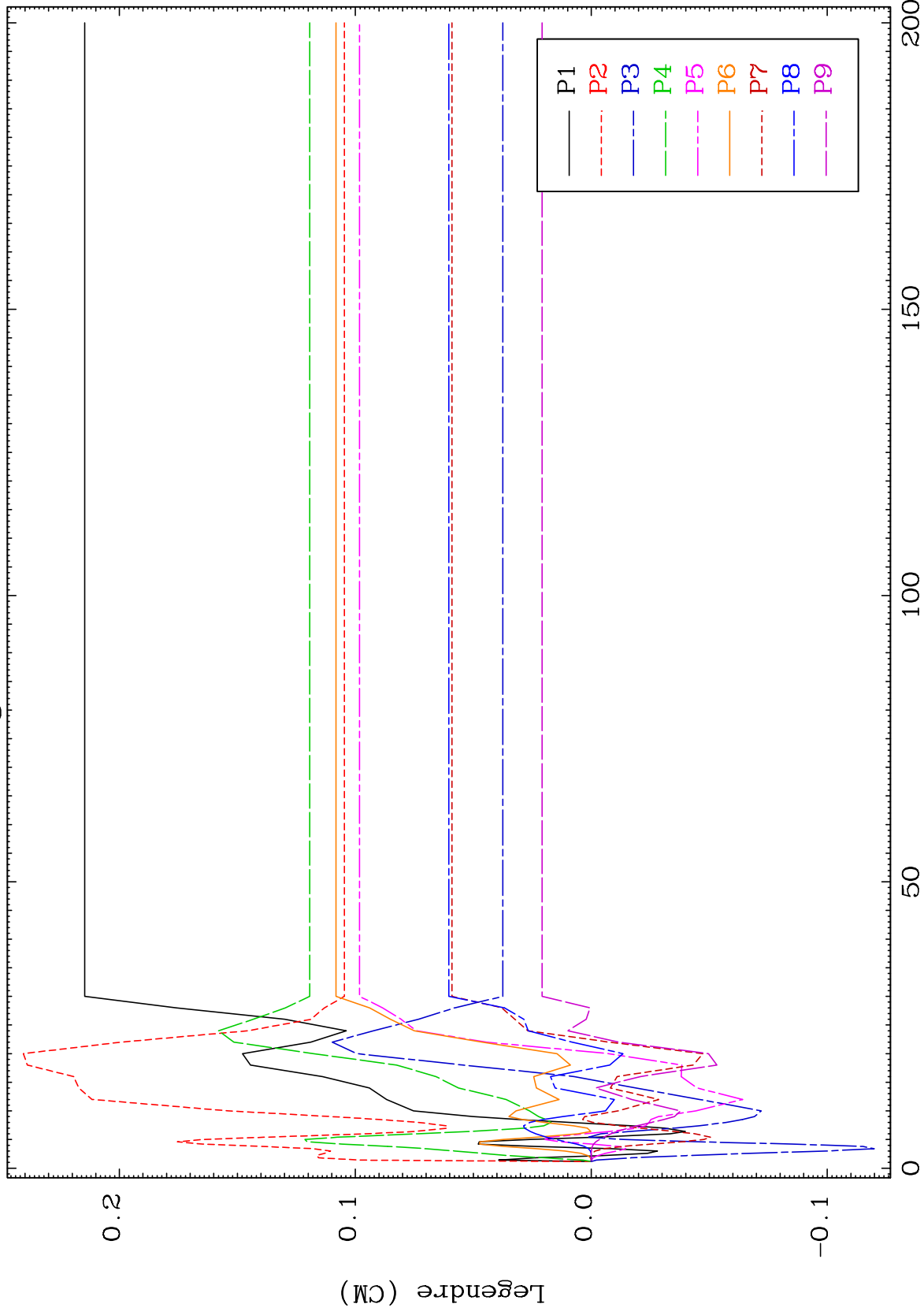
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



24

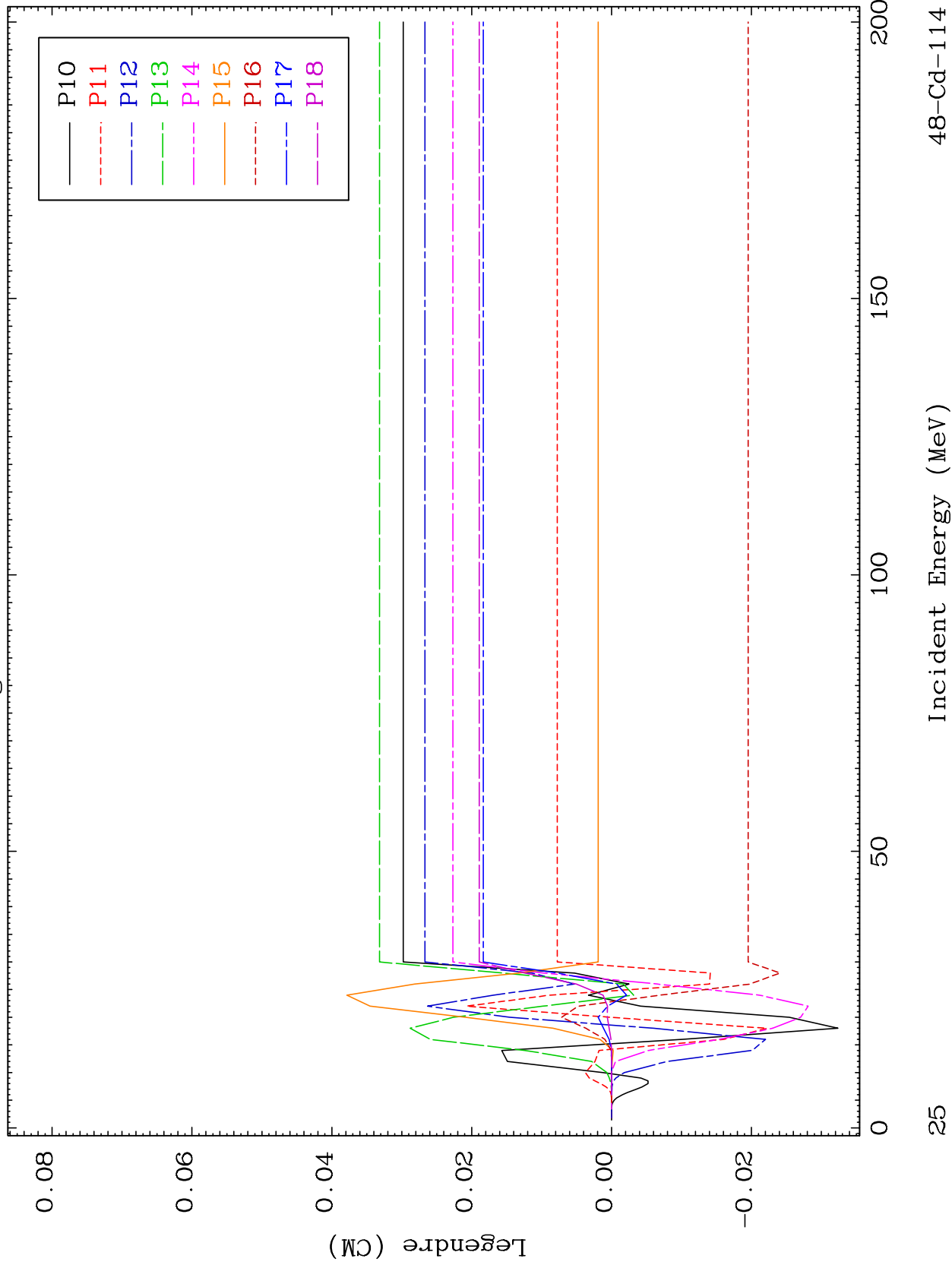
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

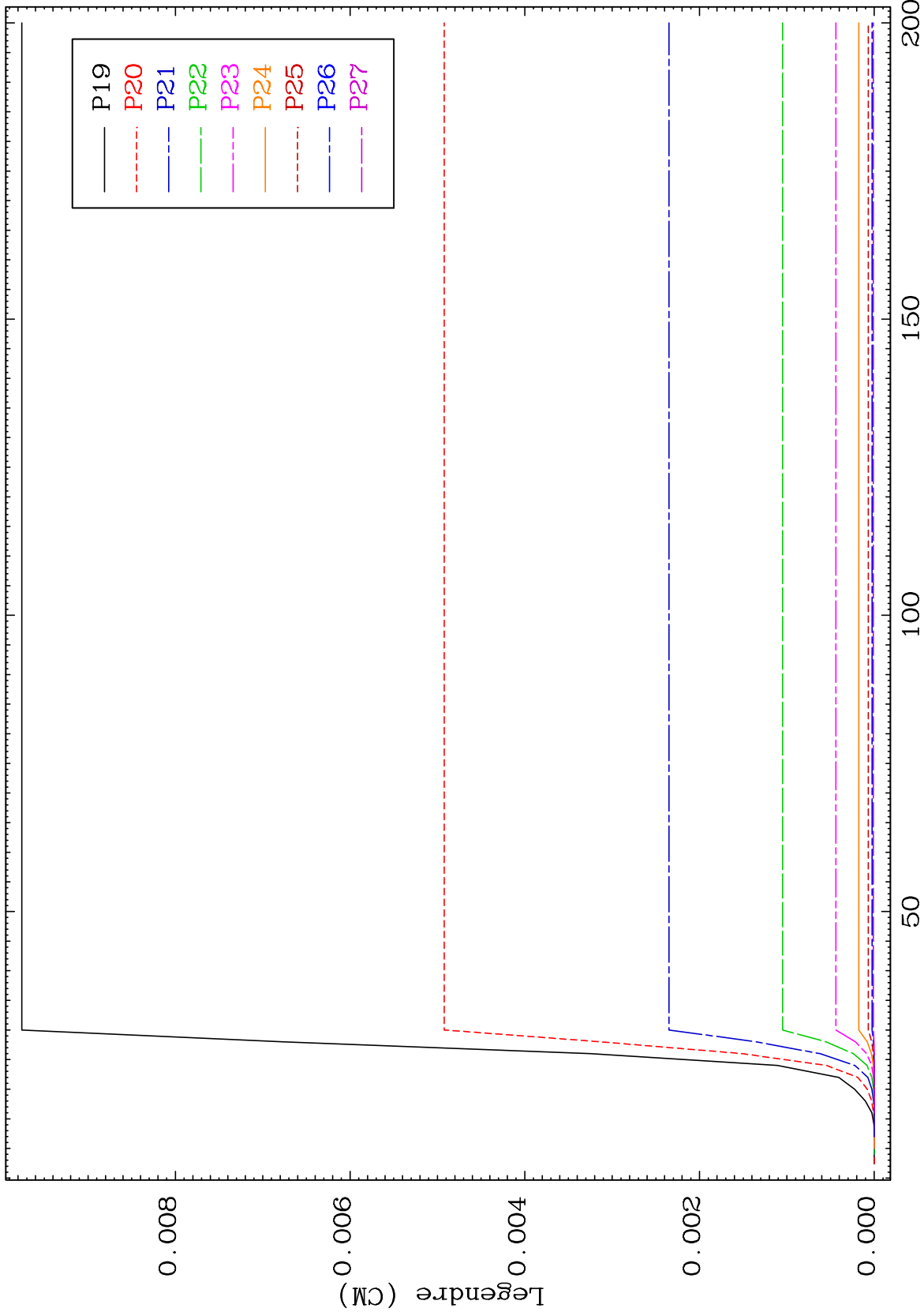
48-Cd-114



MAT 4849

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

48-Cd-114



26

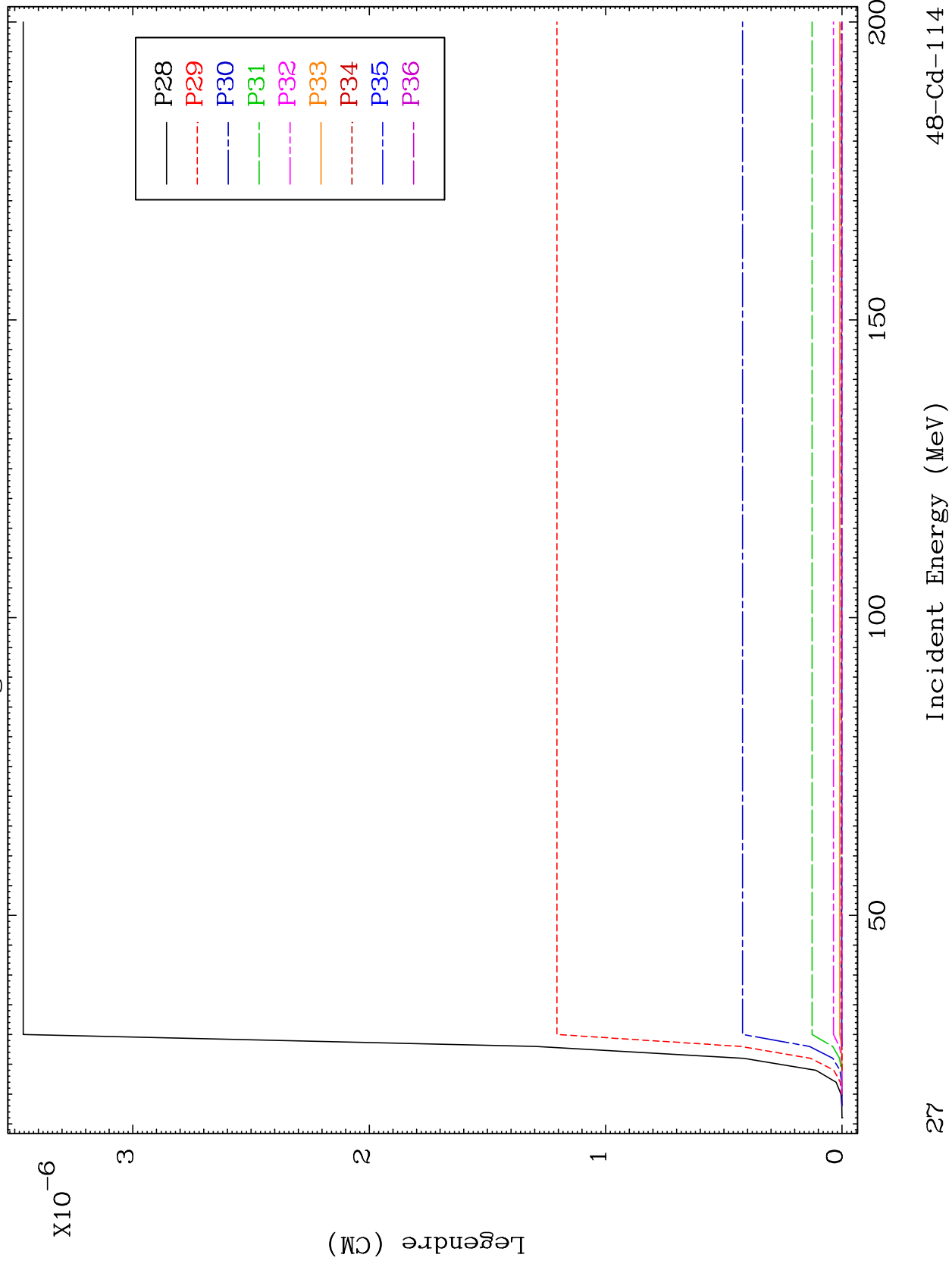
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

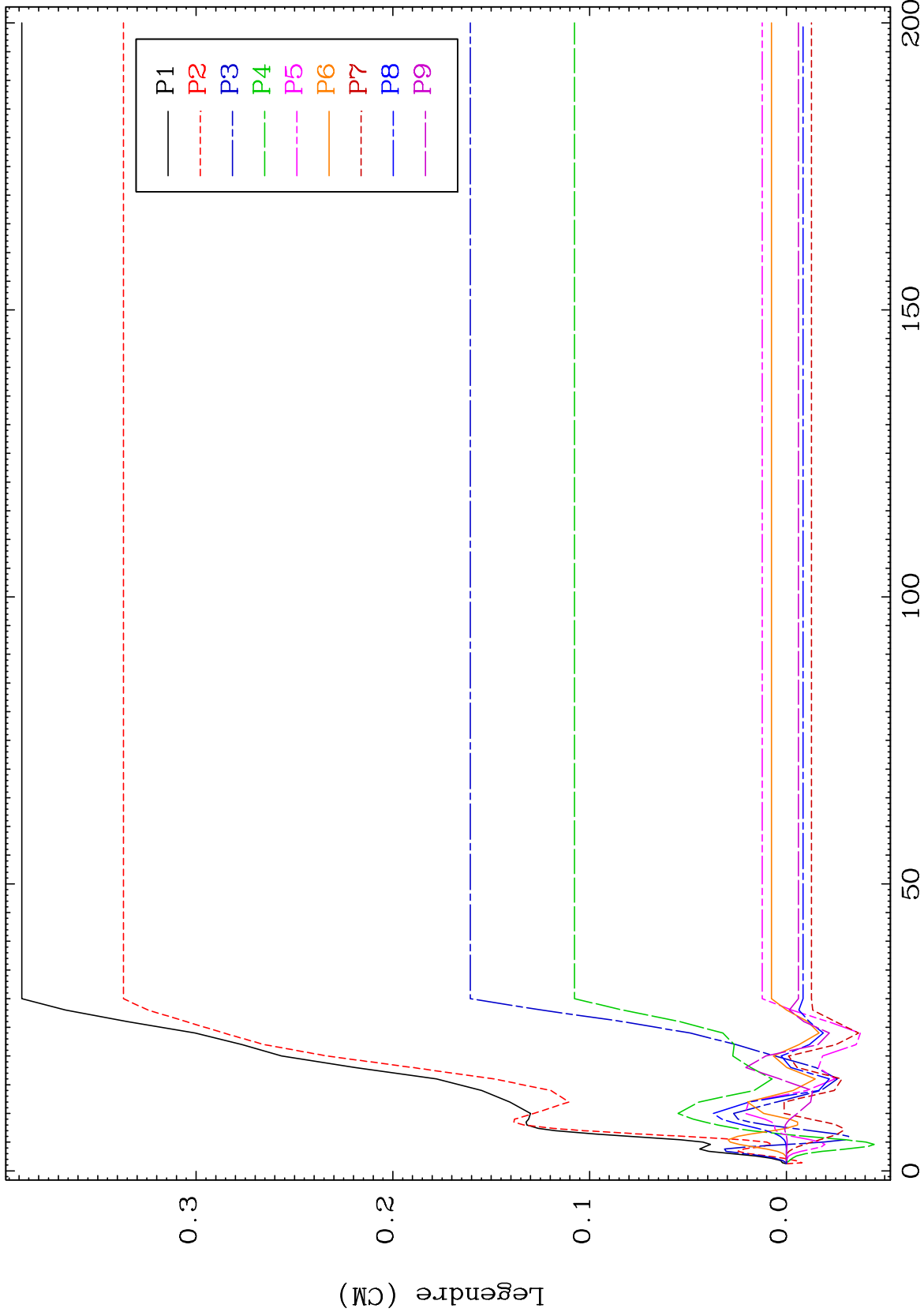
48-Cd-114



MAT 4849

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

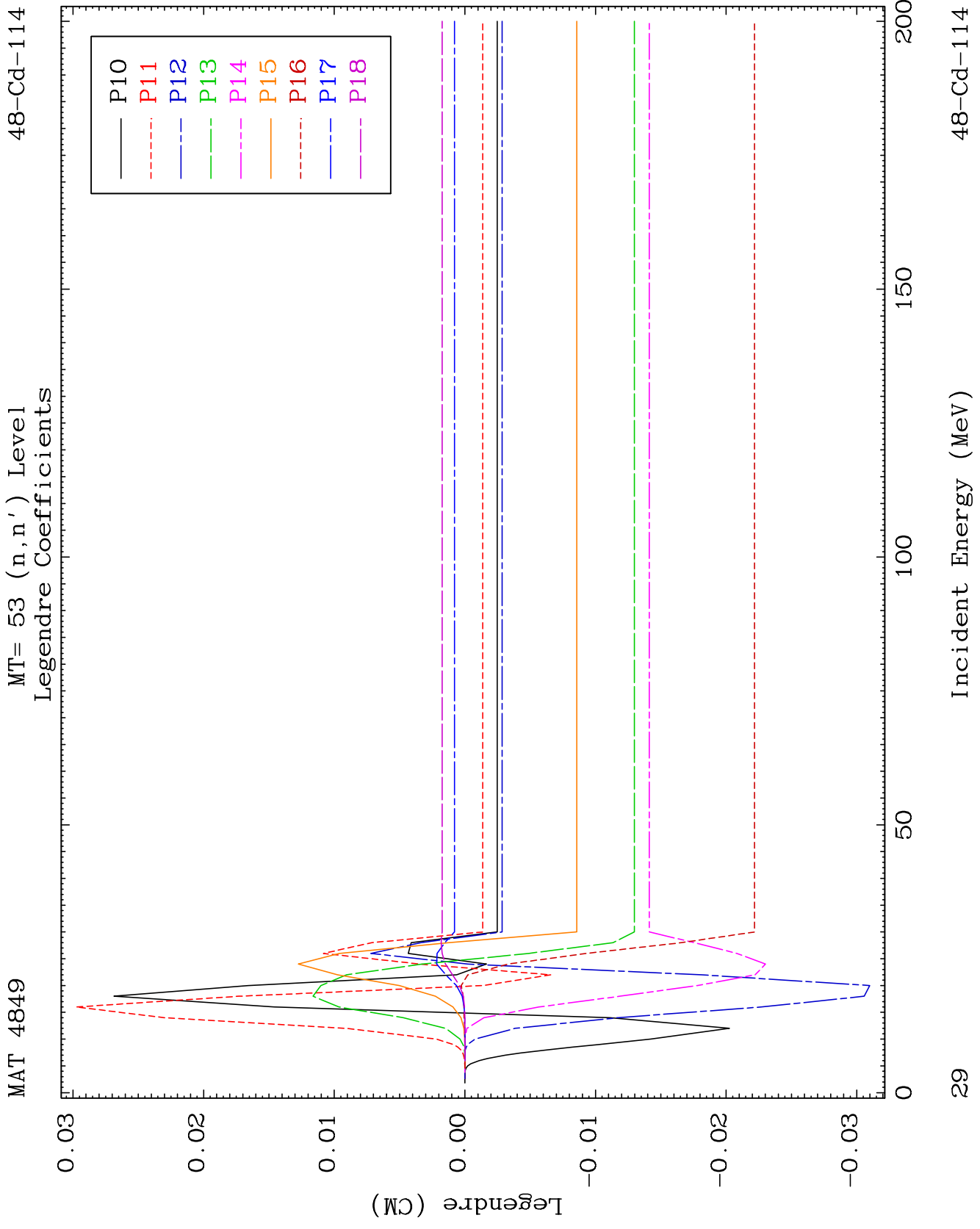
48-Cd-114



28

Incident Energy (MeV)

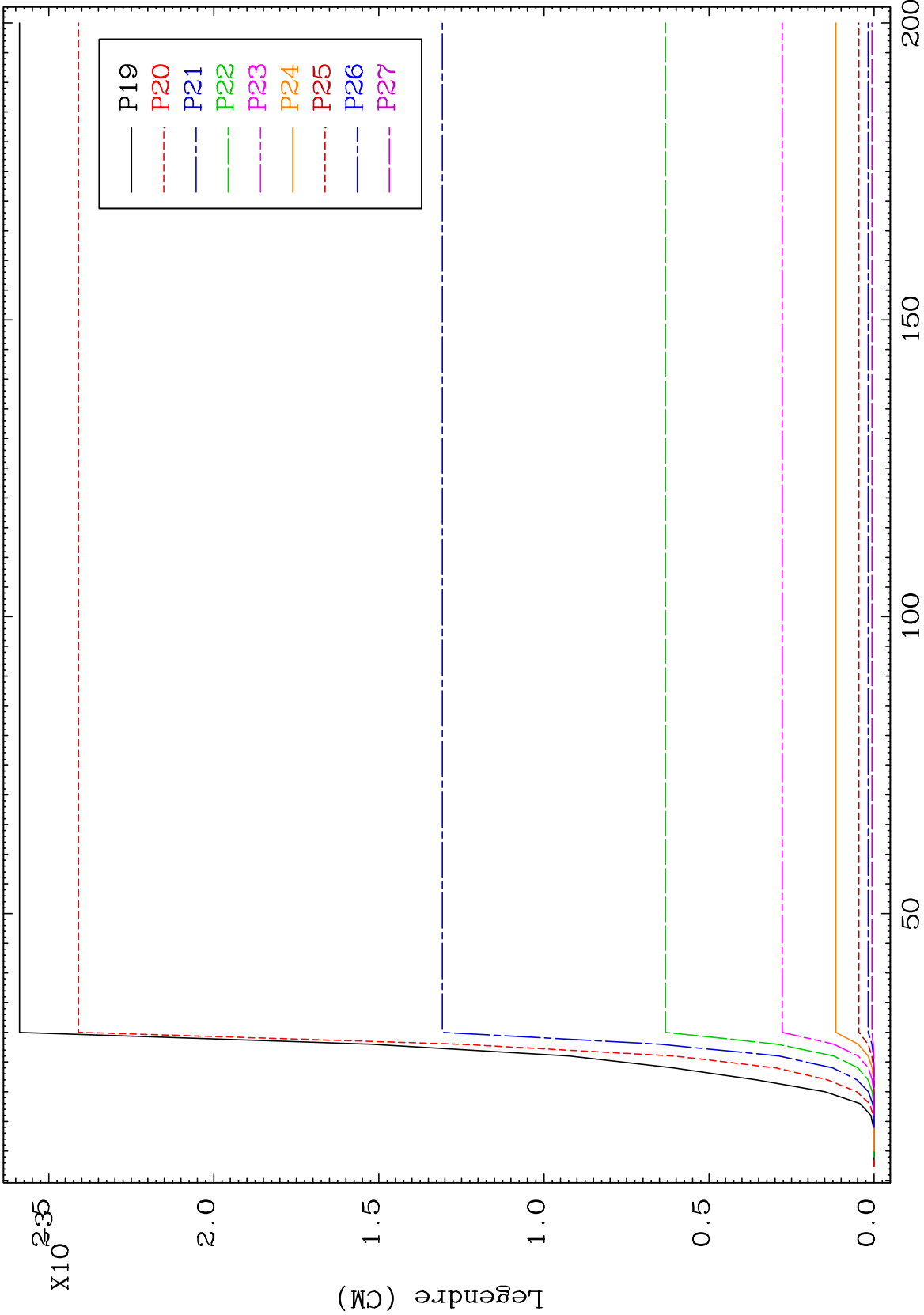
48-Cd-114



MAT 4849

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

48-Cd-114



30

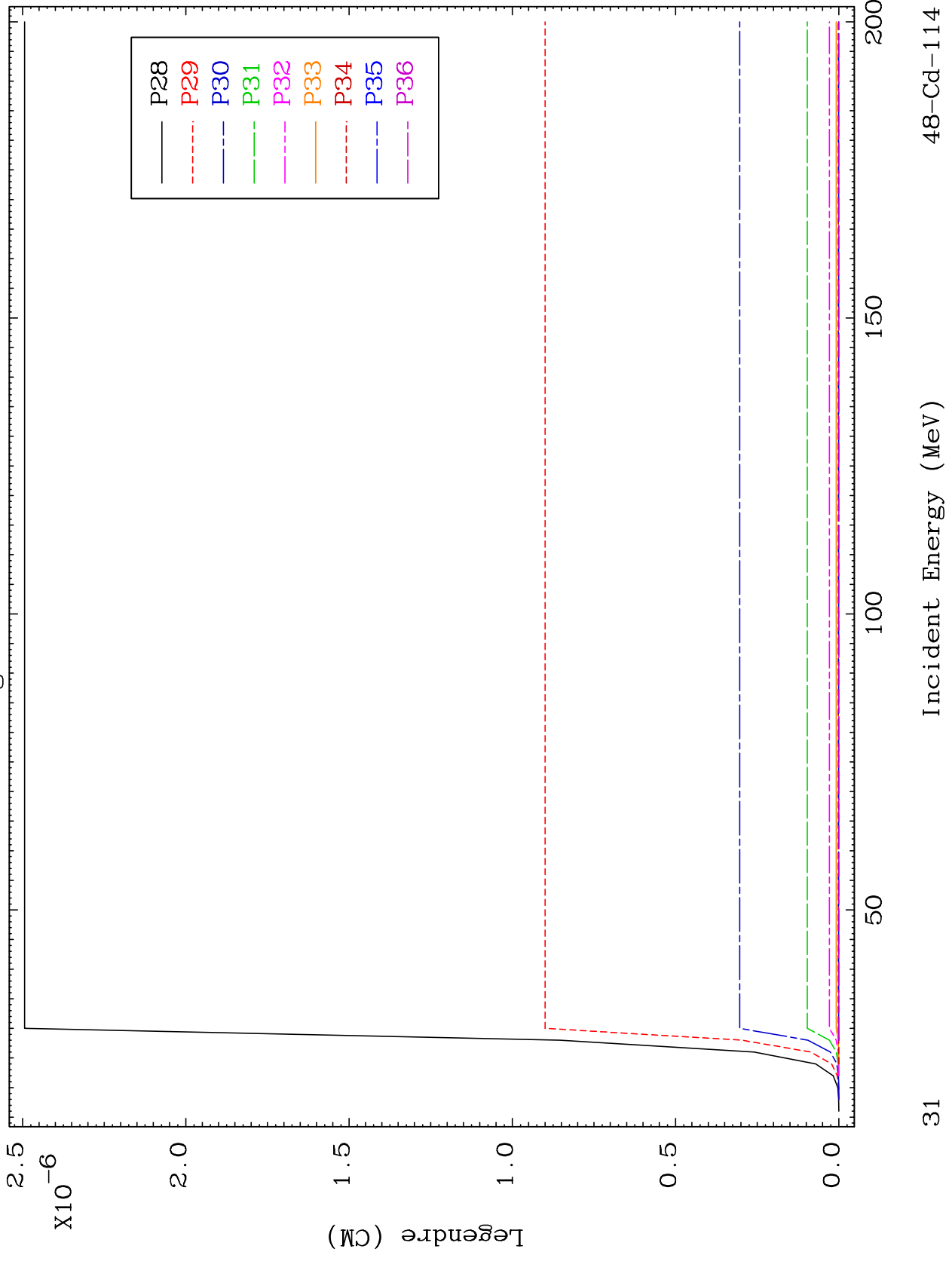
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



31

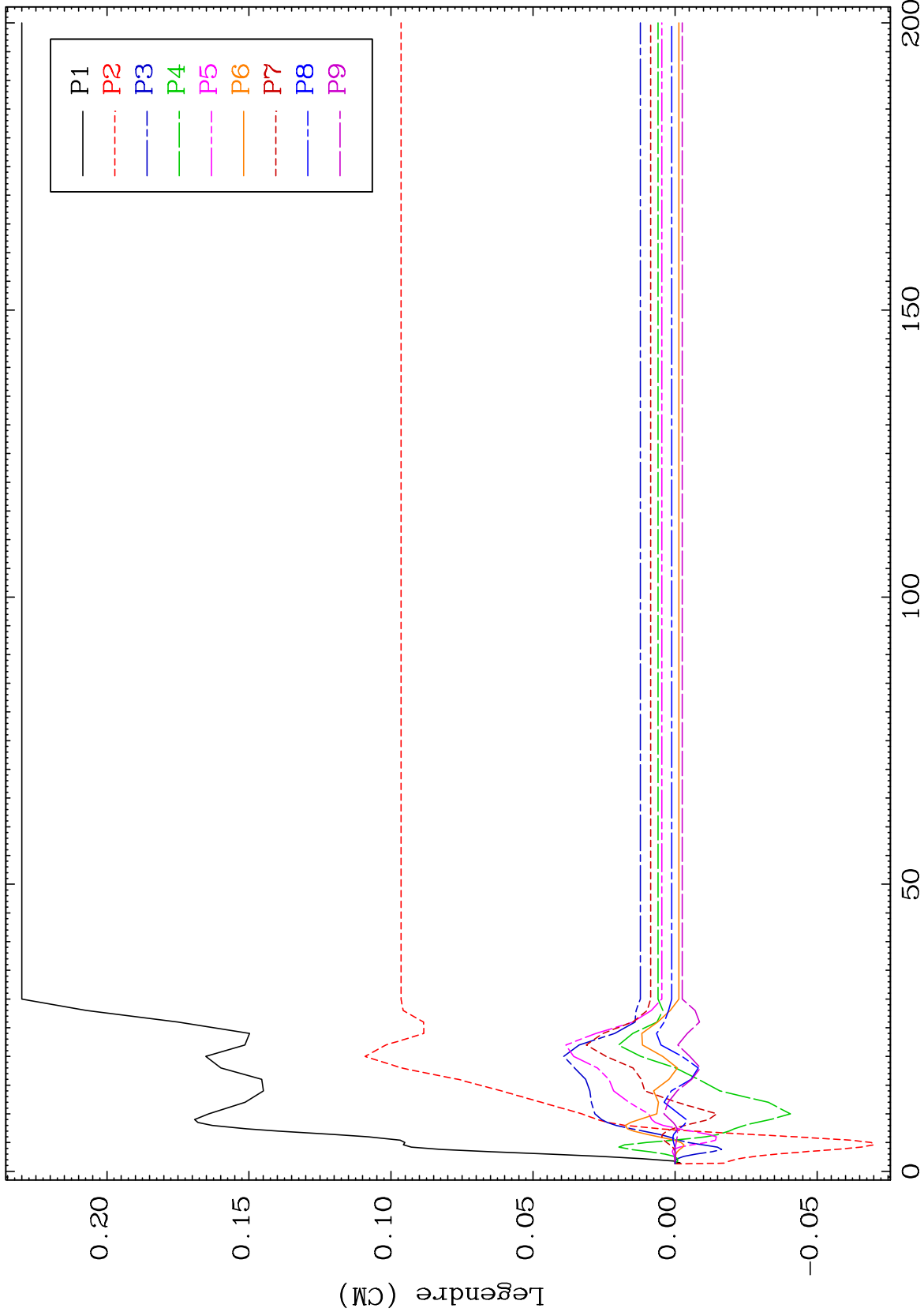
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



32

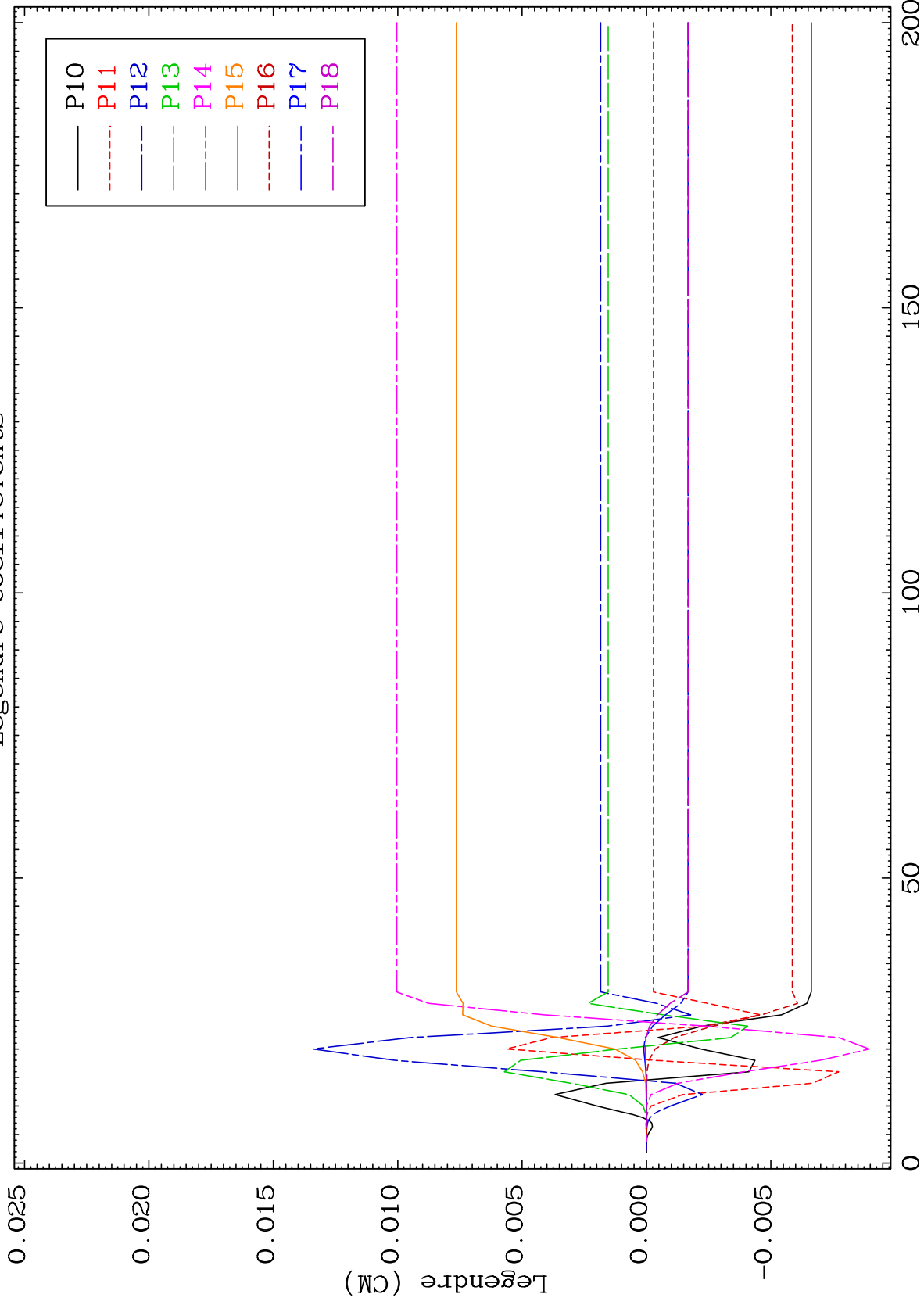
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



33

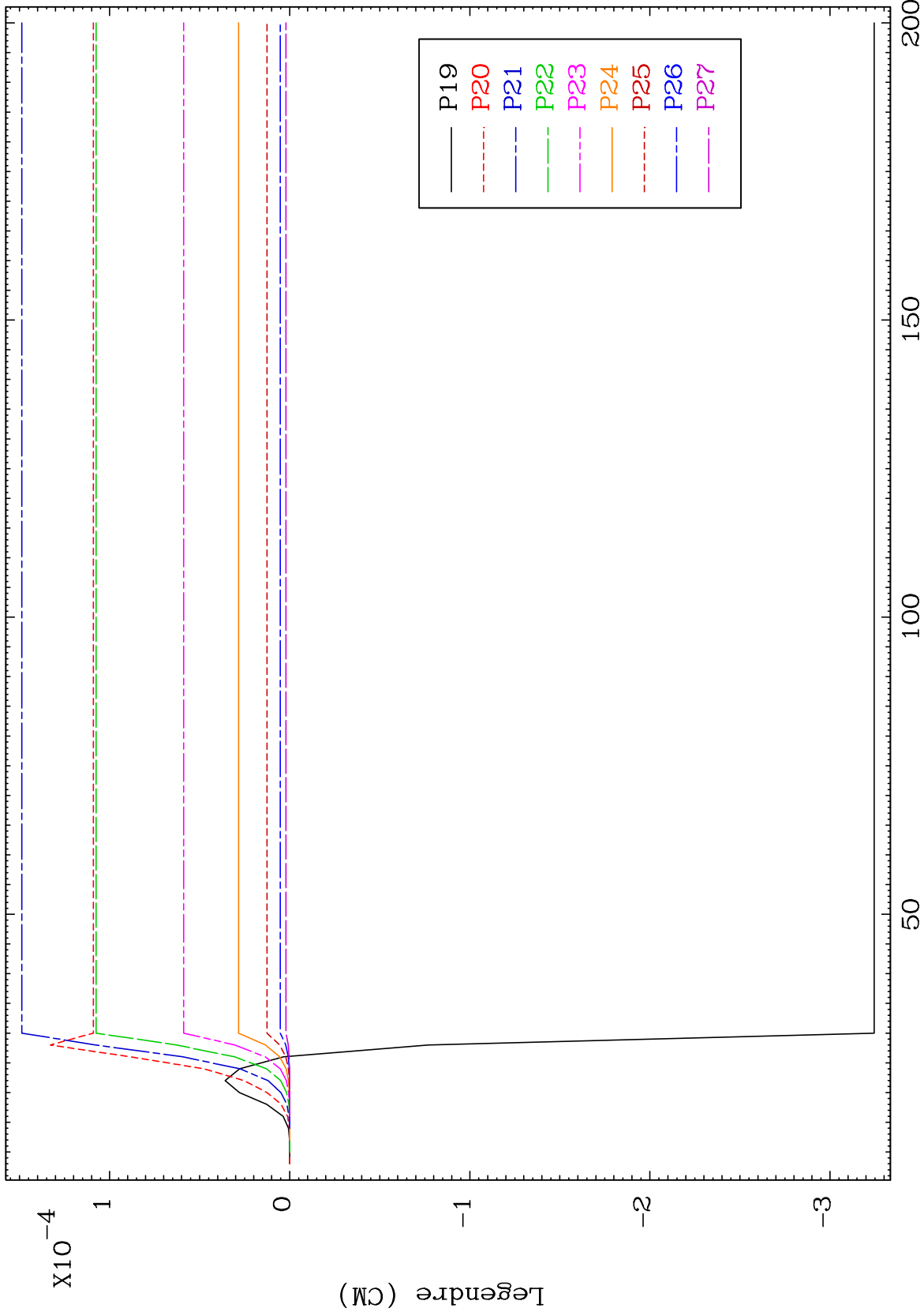
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



34

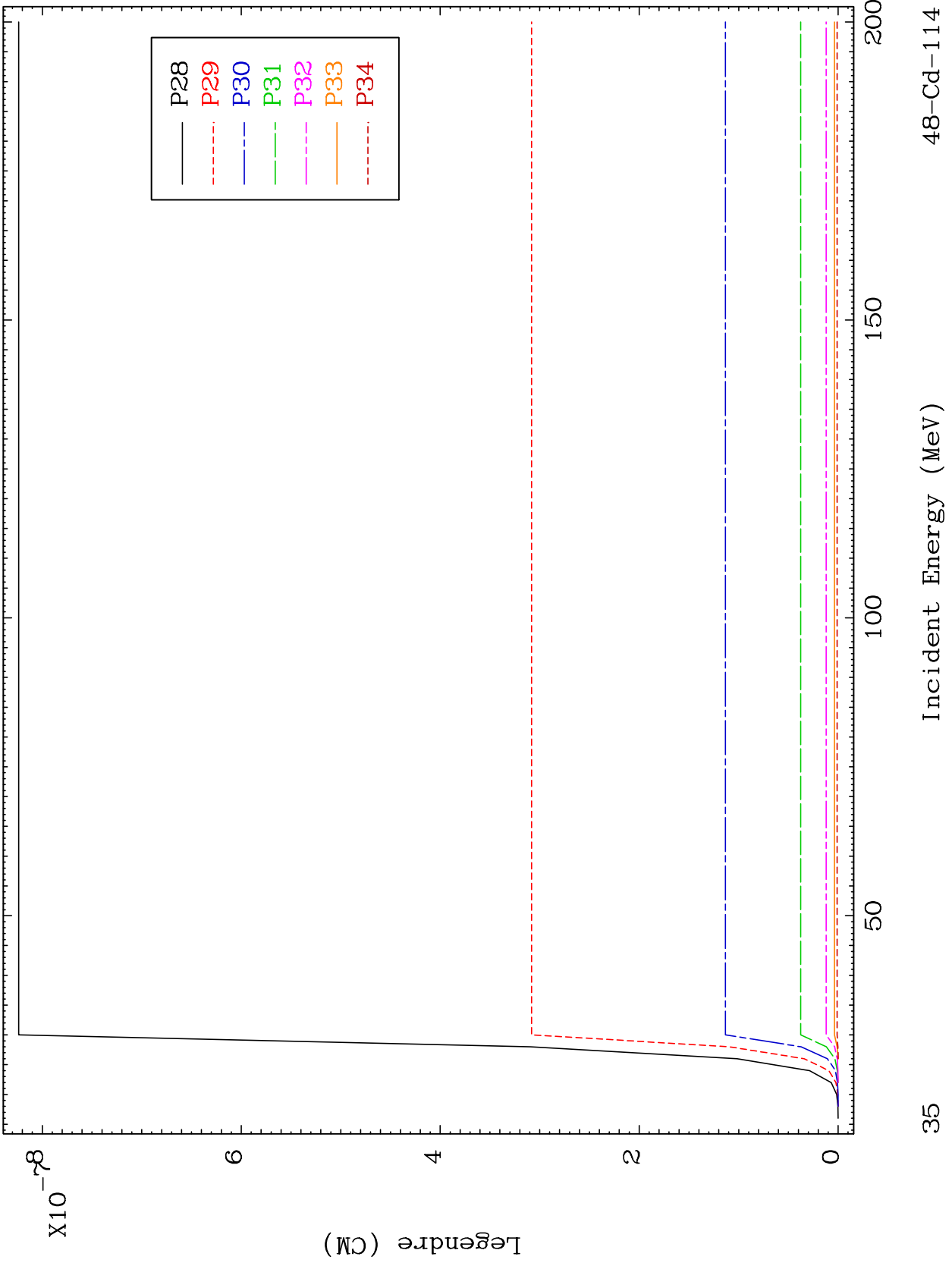
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

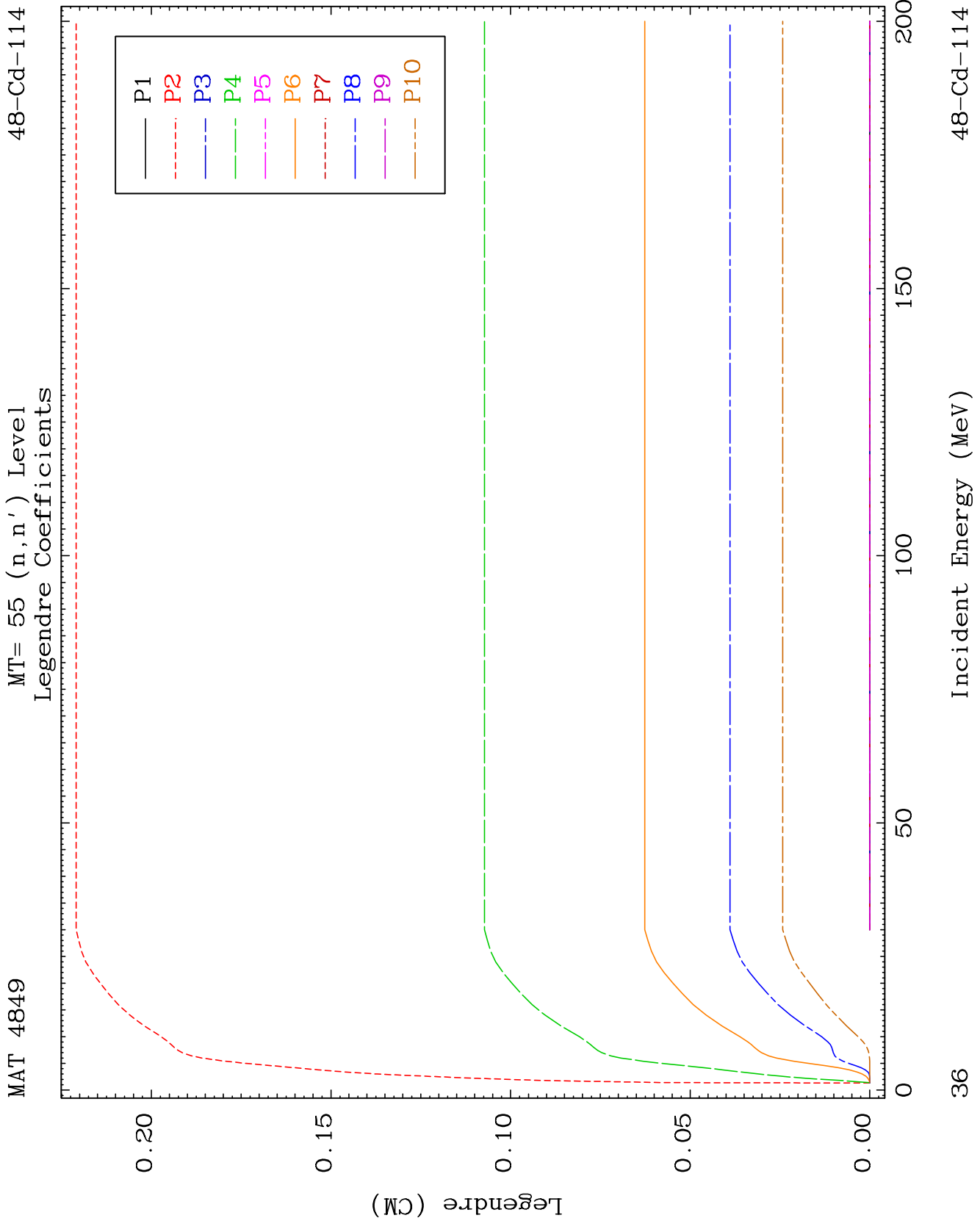
48-Cd-114

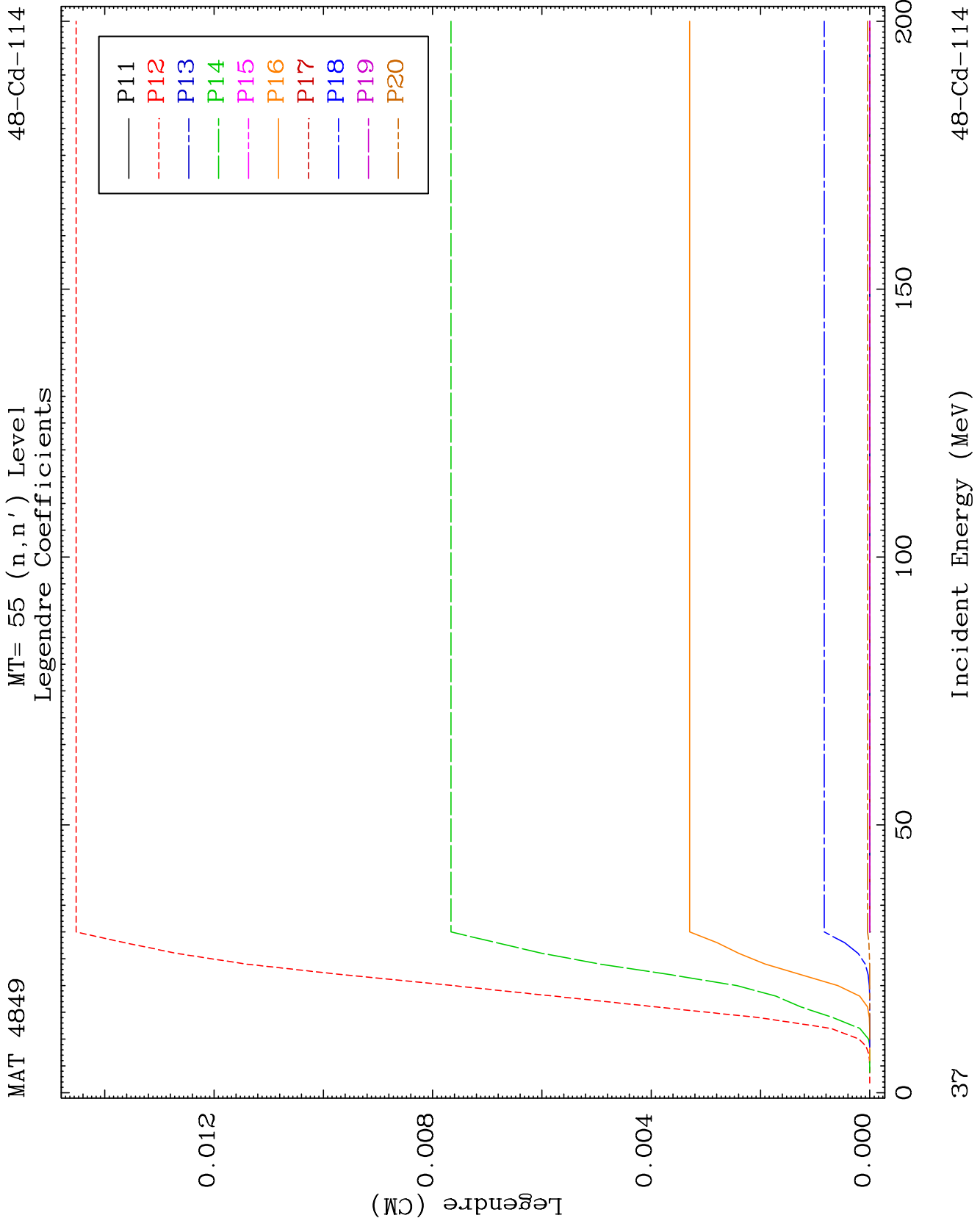


35

Incident Energy (MeV)

48-Cd-114





48-Cd-114

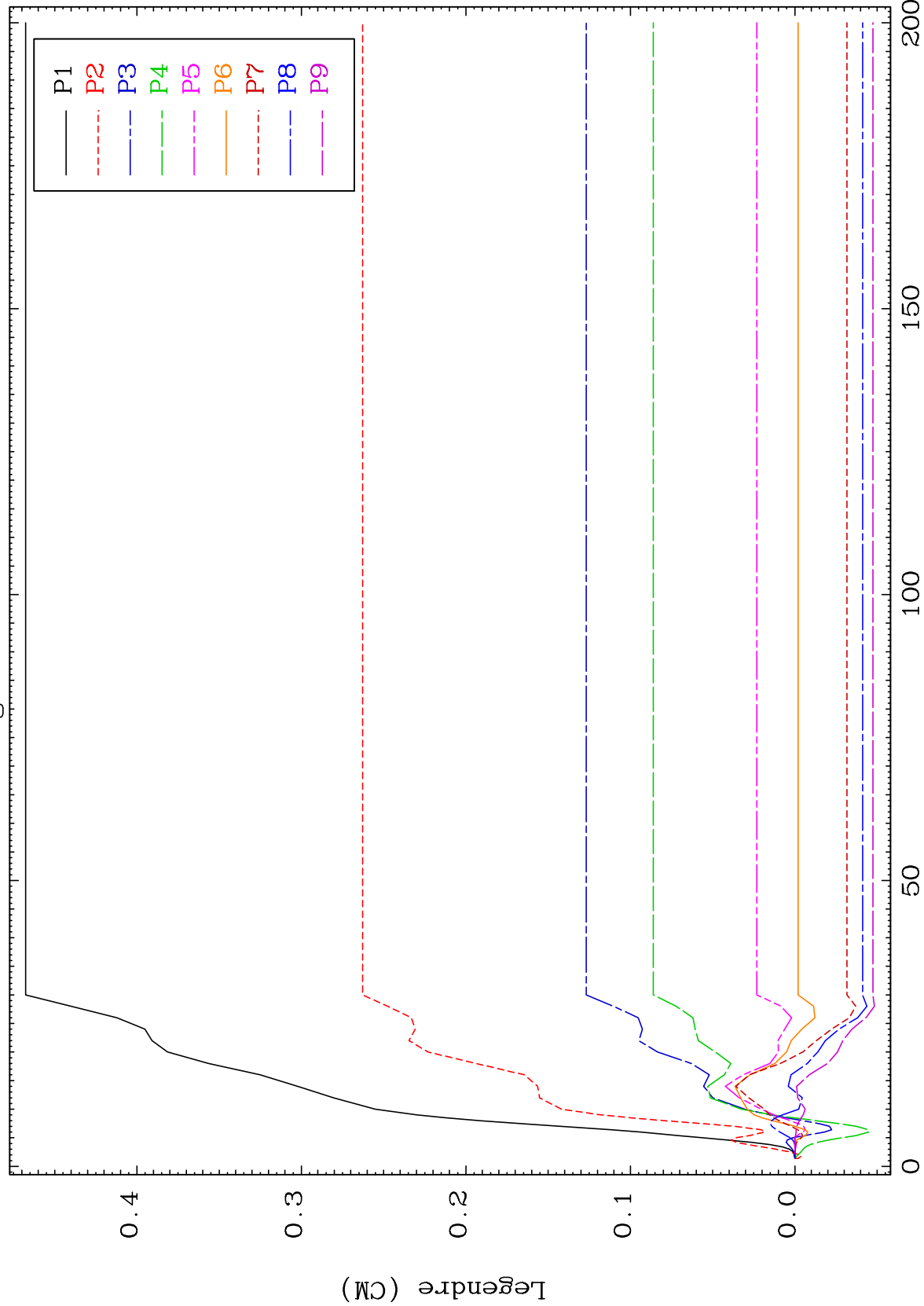
Incident Energy (MeV)

37

MAT 4849

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

48-Cd-114



39

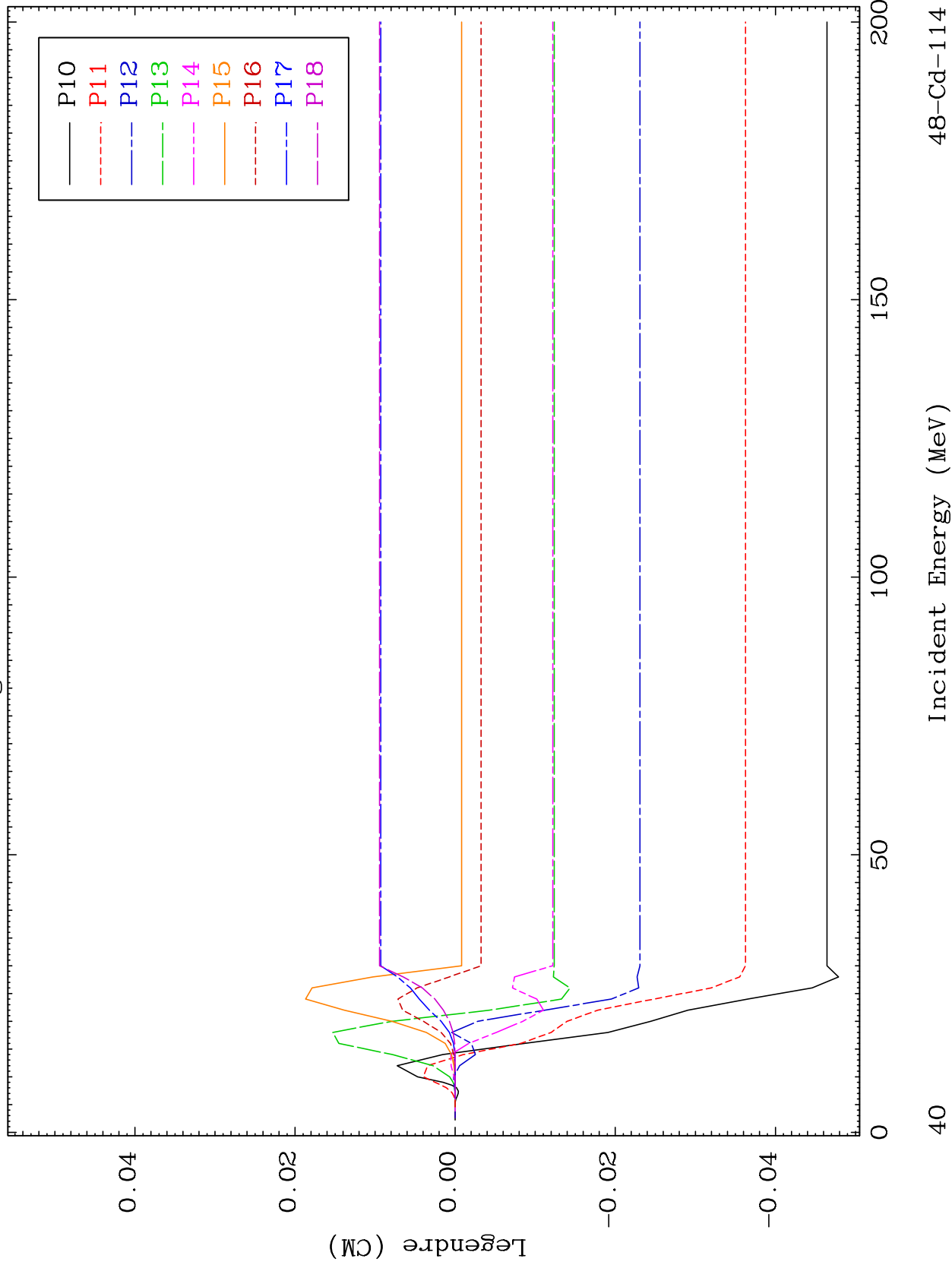
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

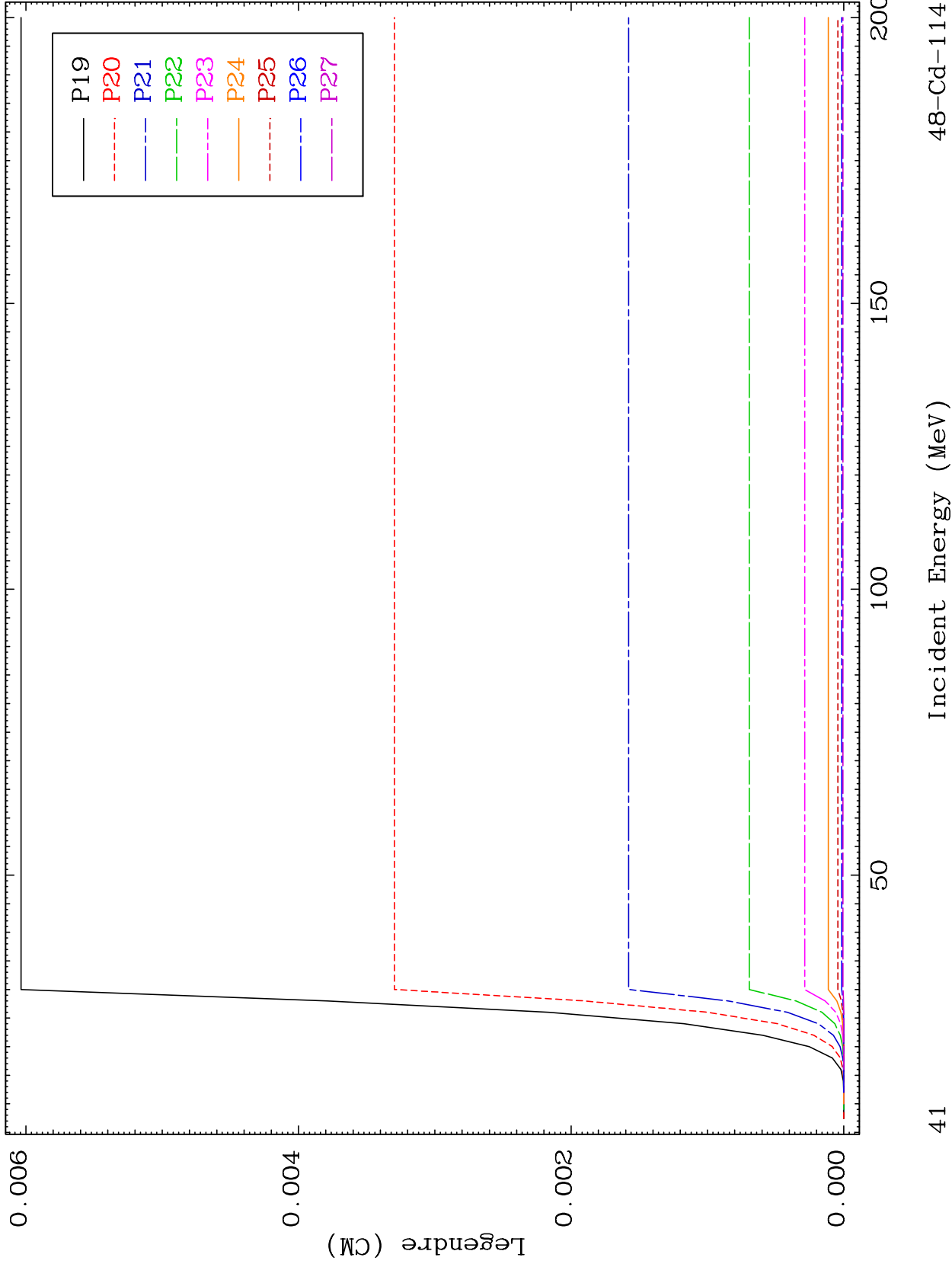
48-Cd-114



MAT 4849

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

48-Cd-114



41

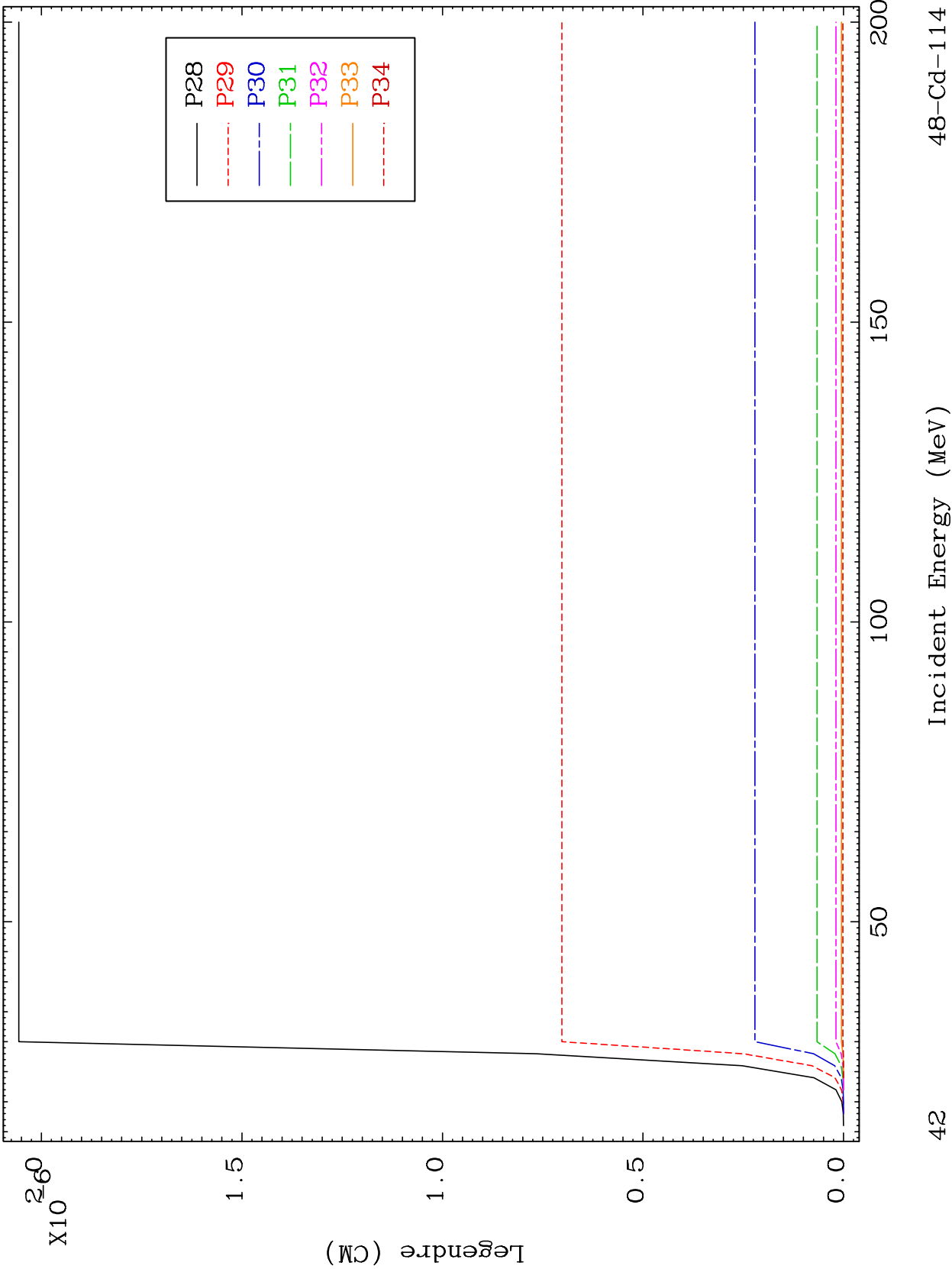
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



42

Incident Energy (MeV)

48-Cd-114

200

150

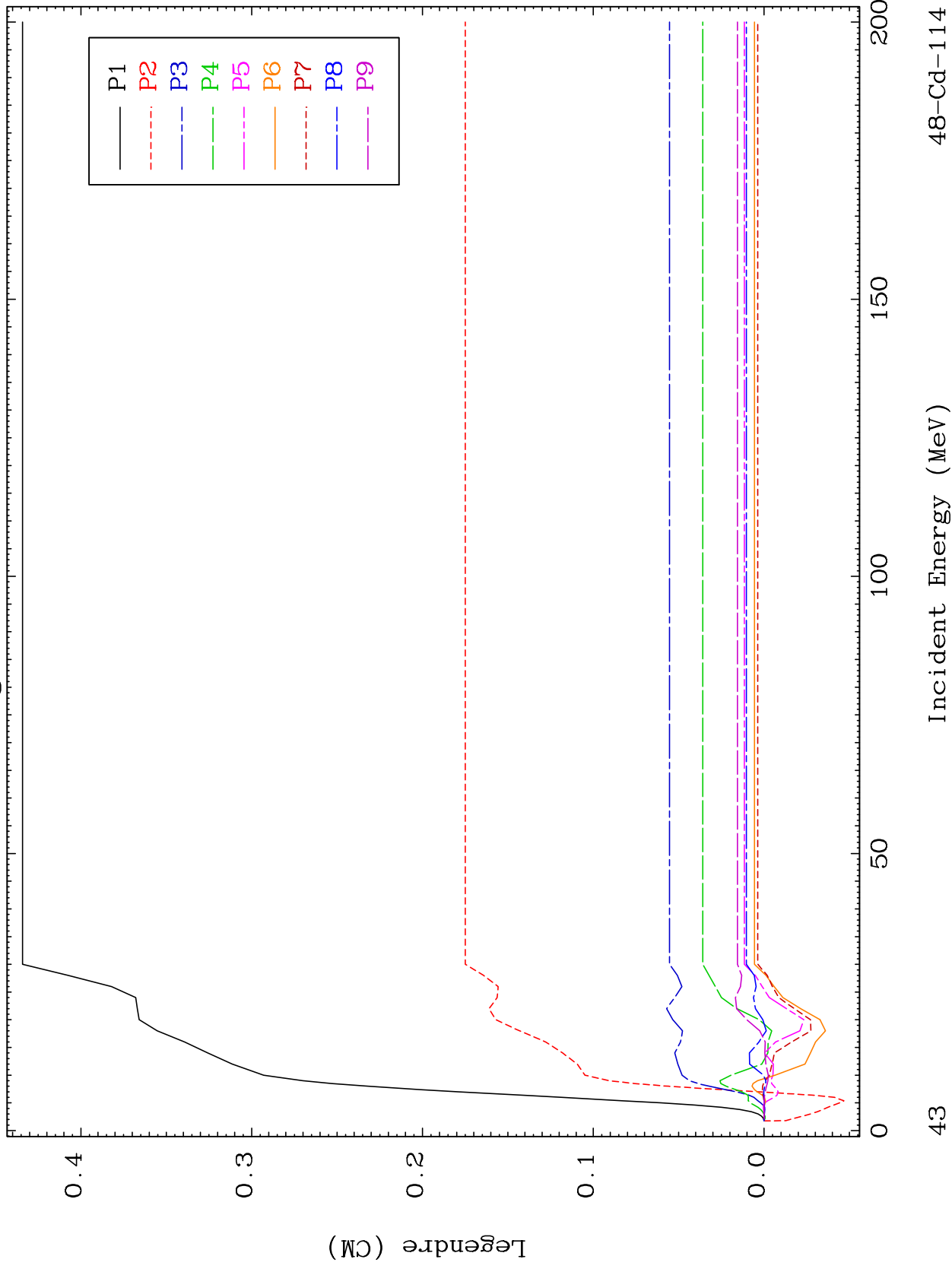
100

50

MAT 4849

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

48-Cd-114



43

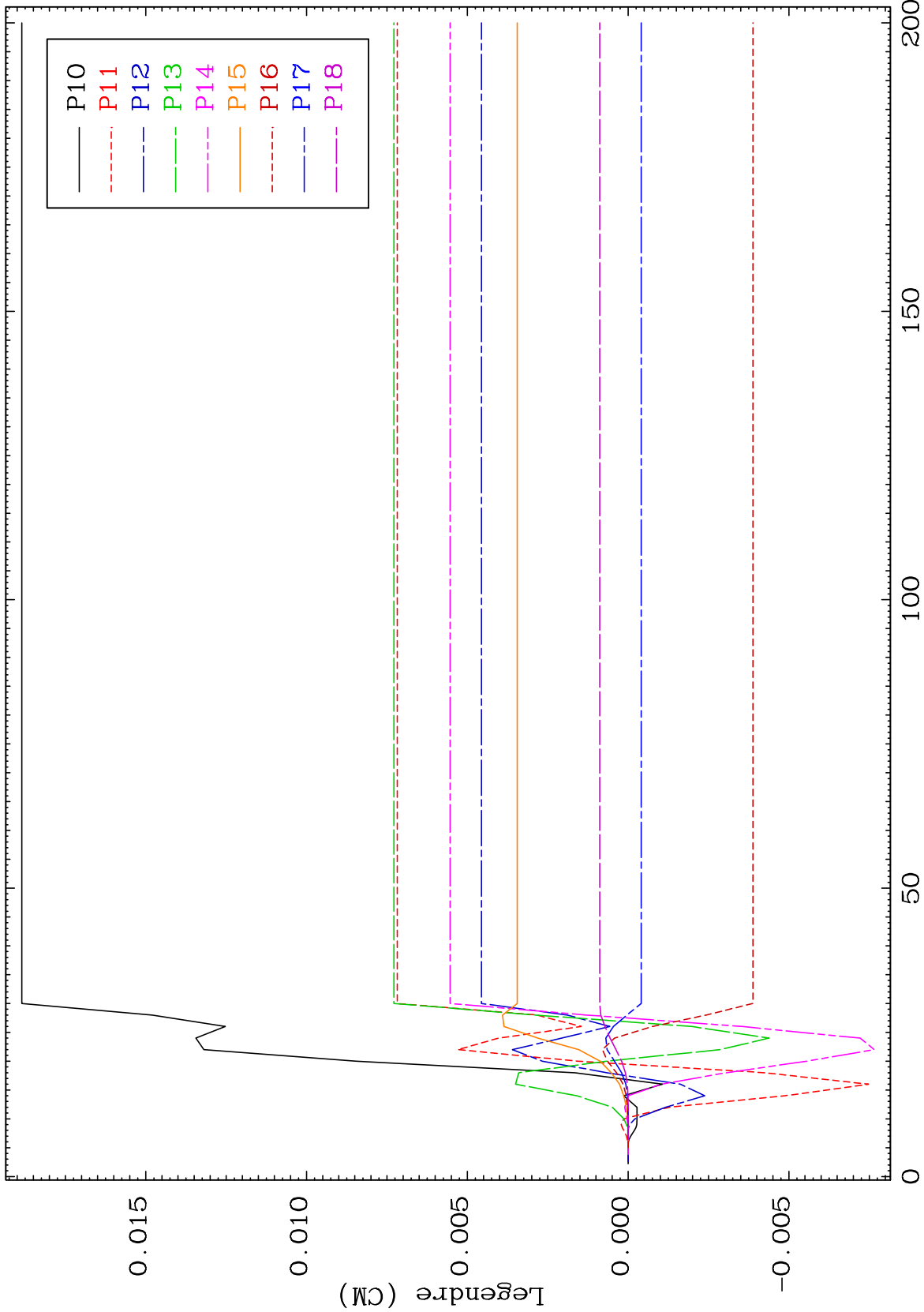
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



44

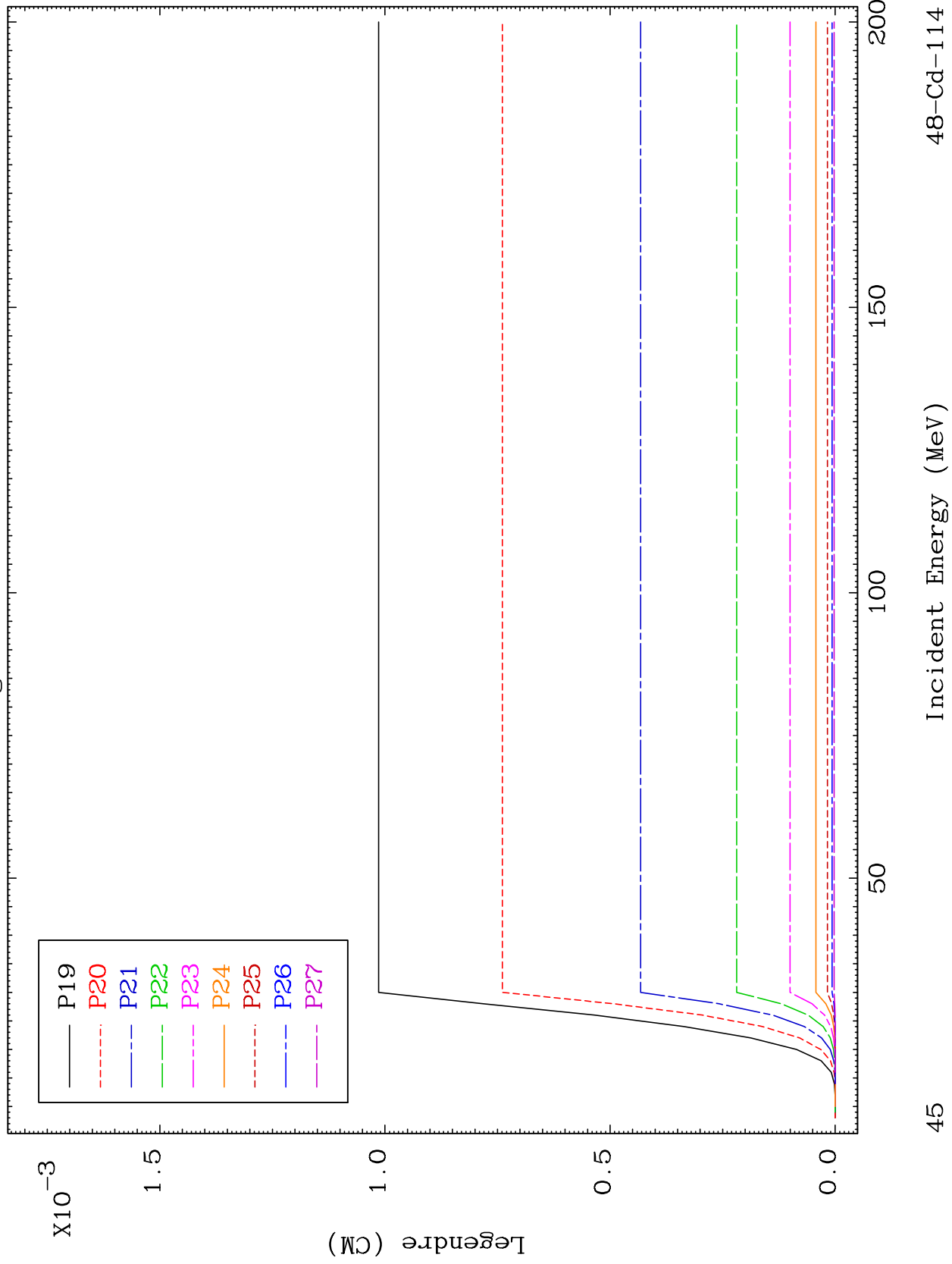
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



45

Incident Energy (MeV)

48-Cd-114

200

150

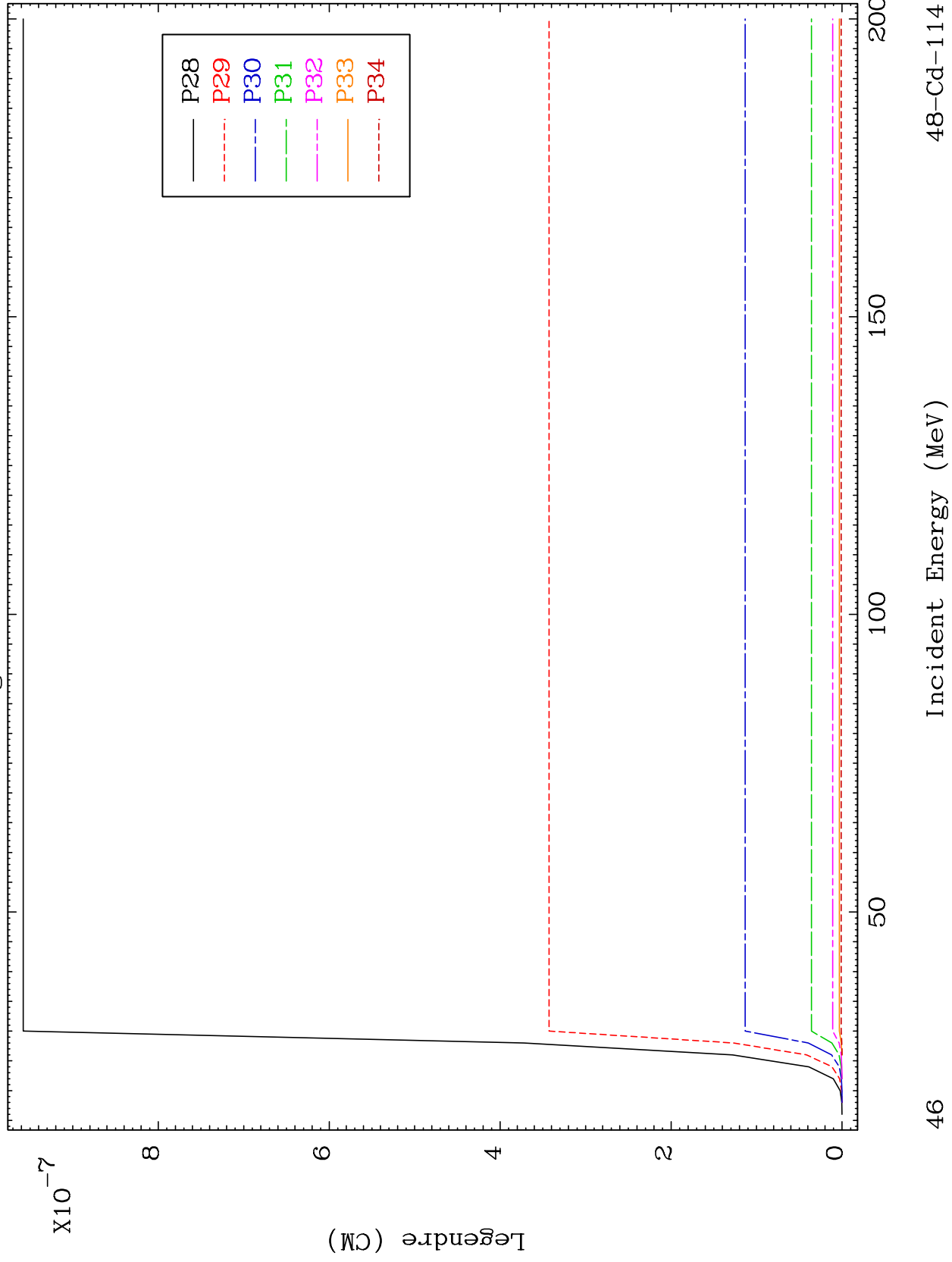
100

50

MAT 4849

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

48-Cd-114



46

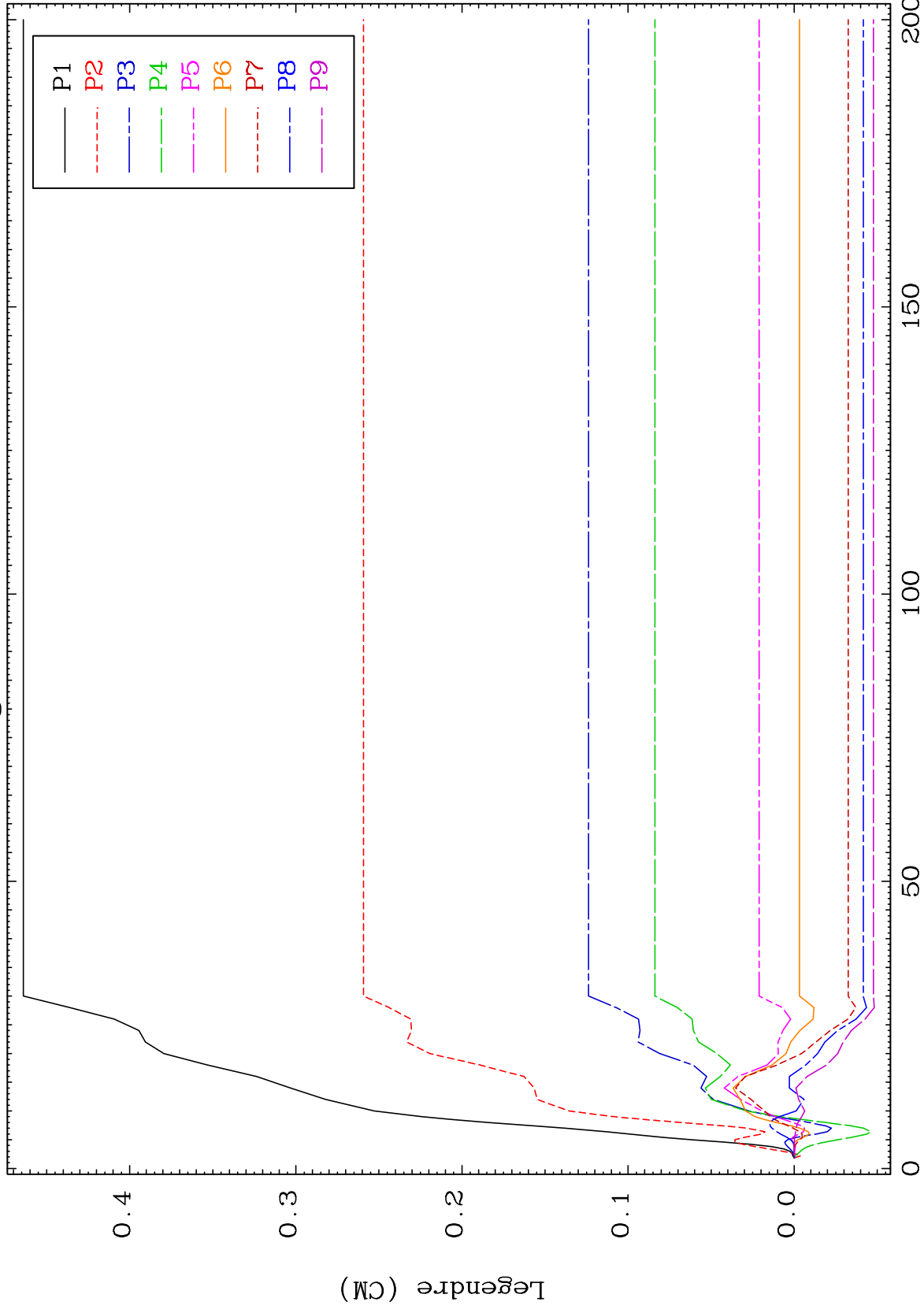
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



47

Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



48

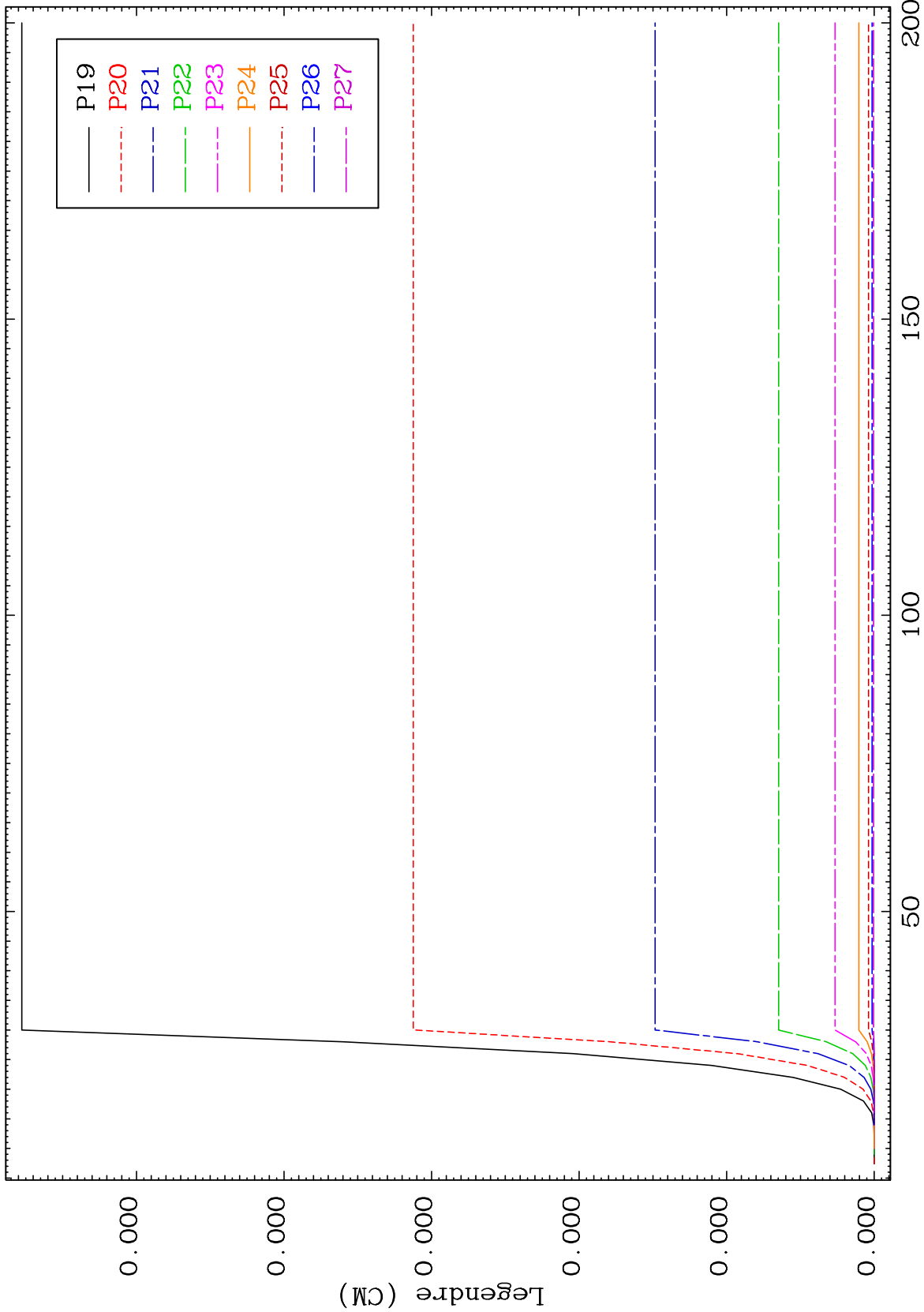
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



49

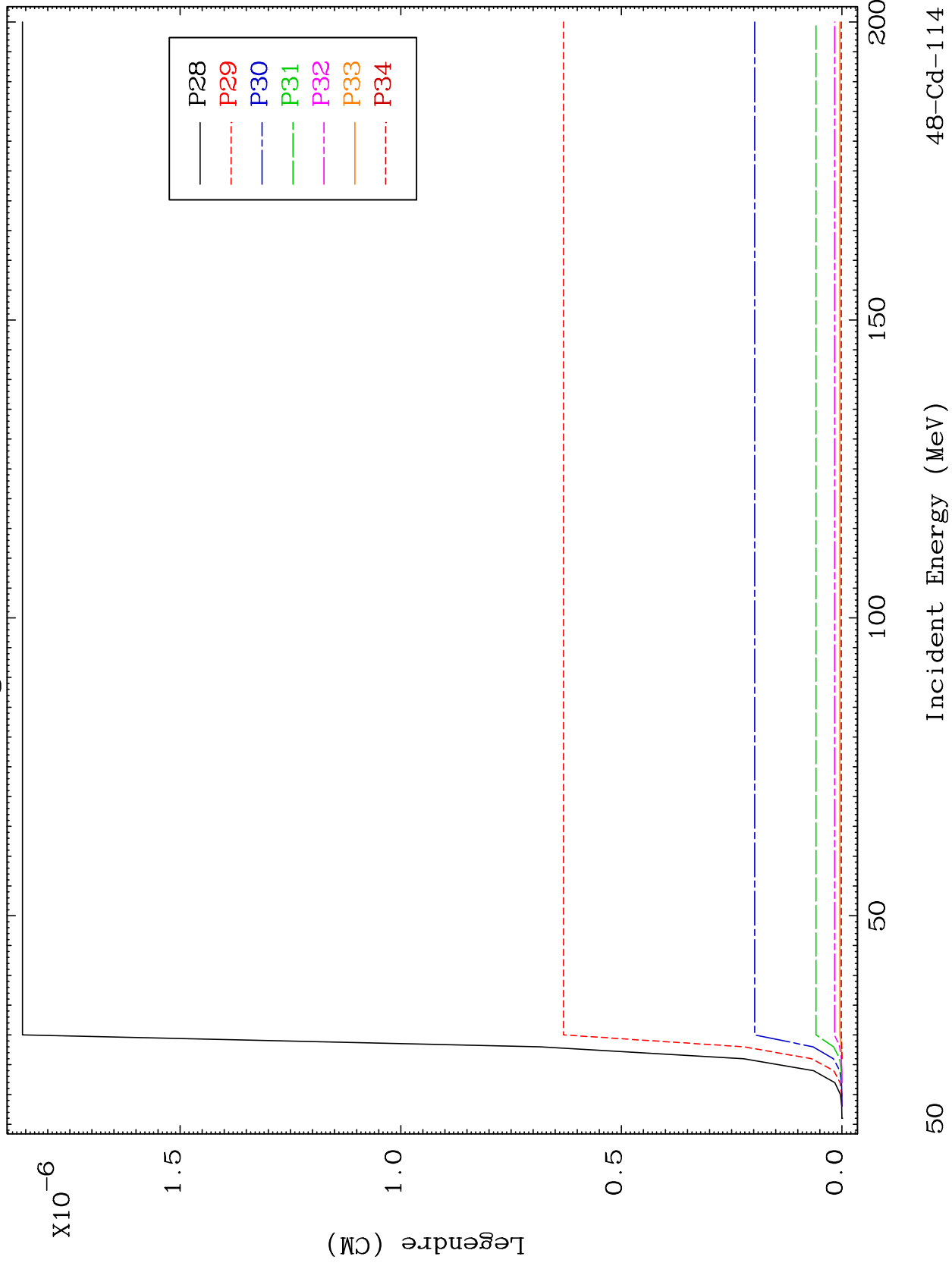
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

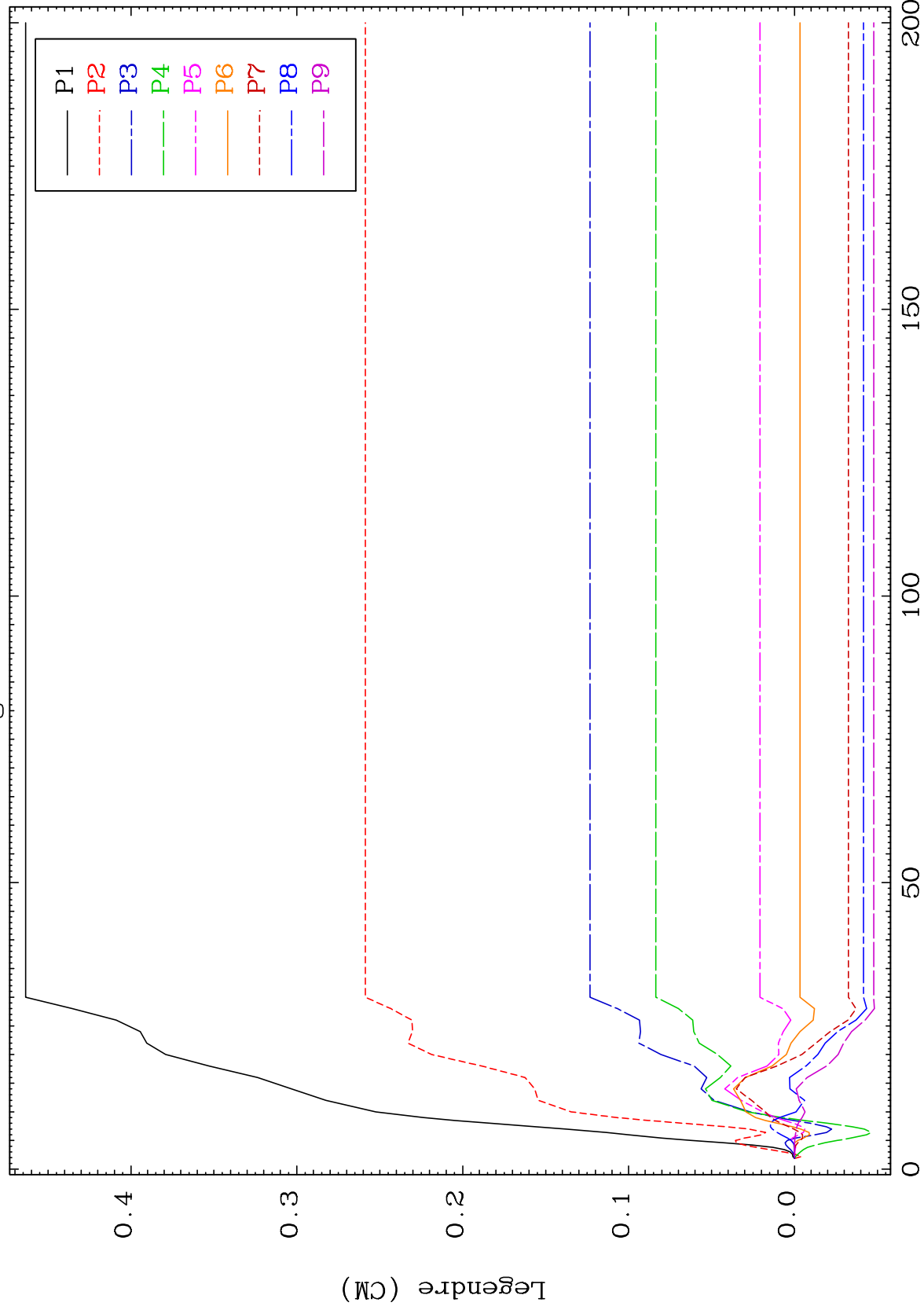
48-Cd-114



MAT 4849

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

48-Cd-114



48-Cd-114

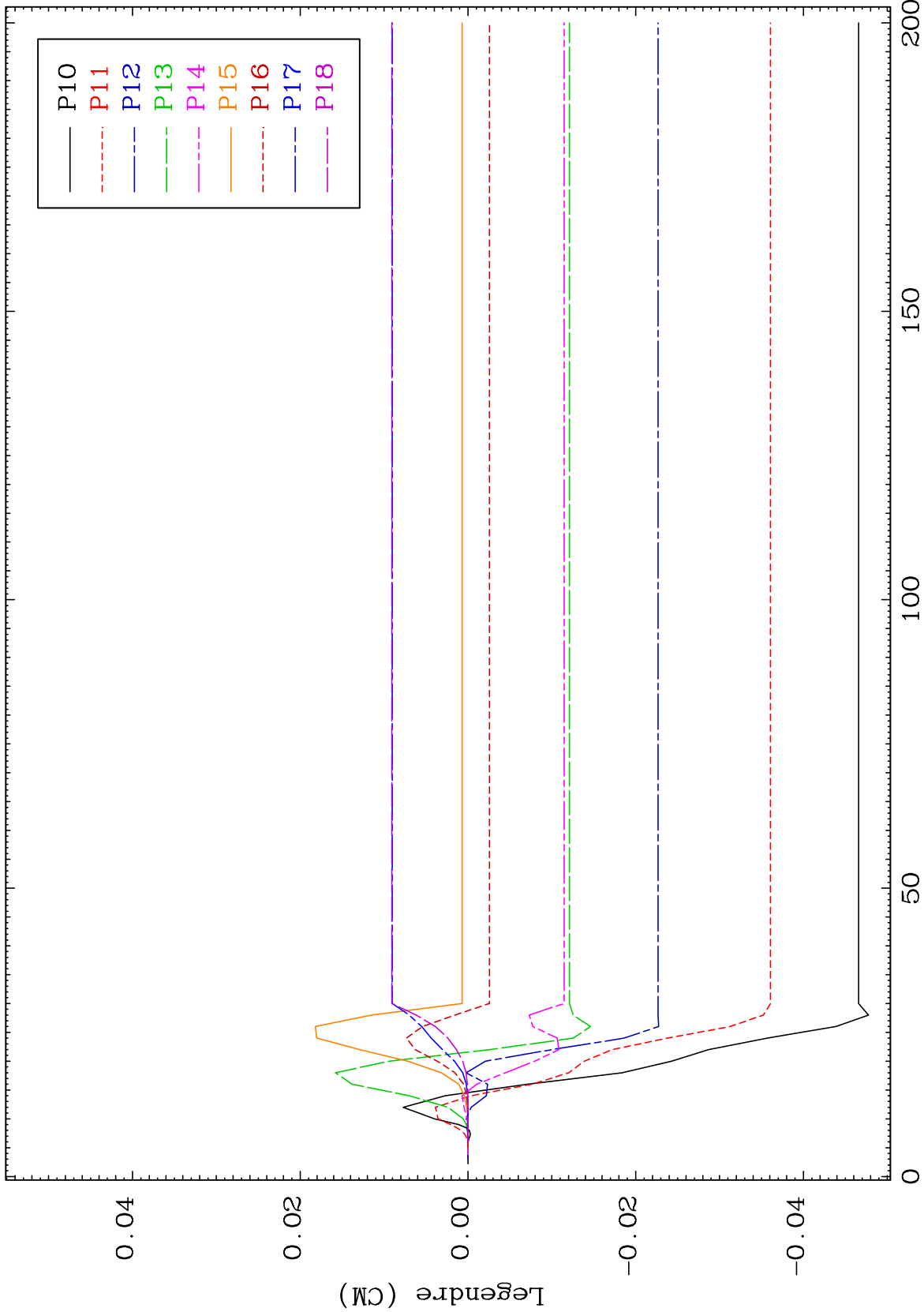
Incident Energy (MeV)

51

MAT 4849

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

48-Cd-114



52

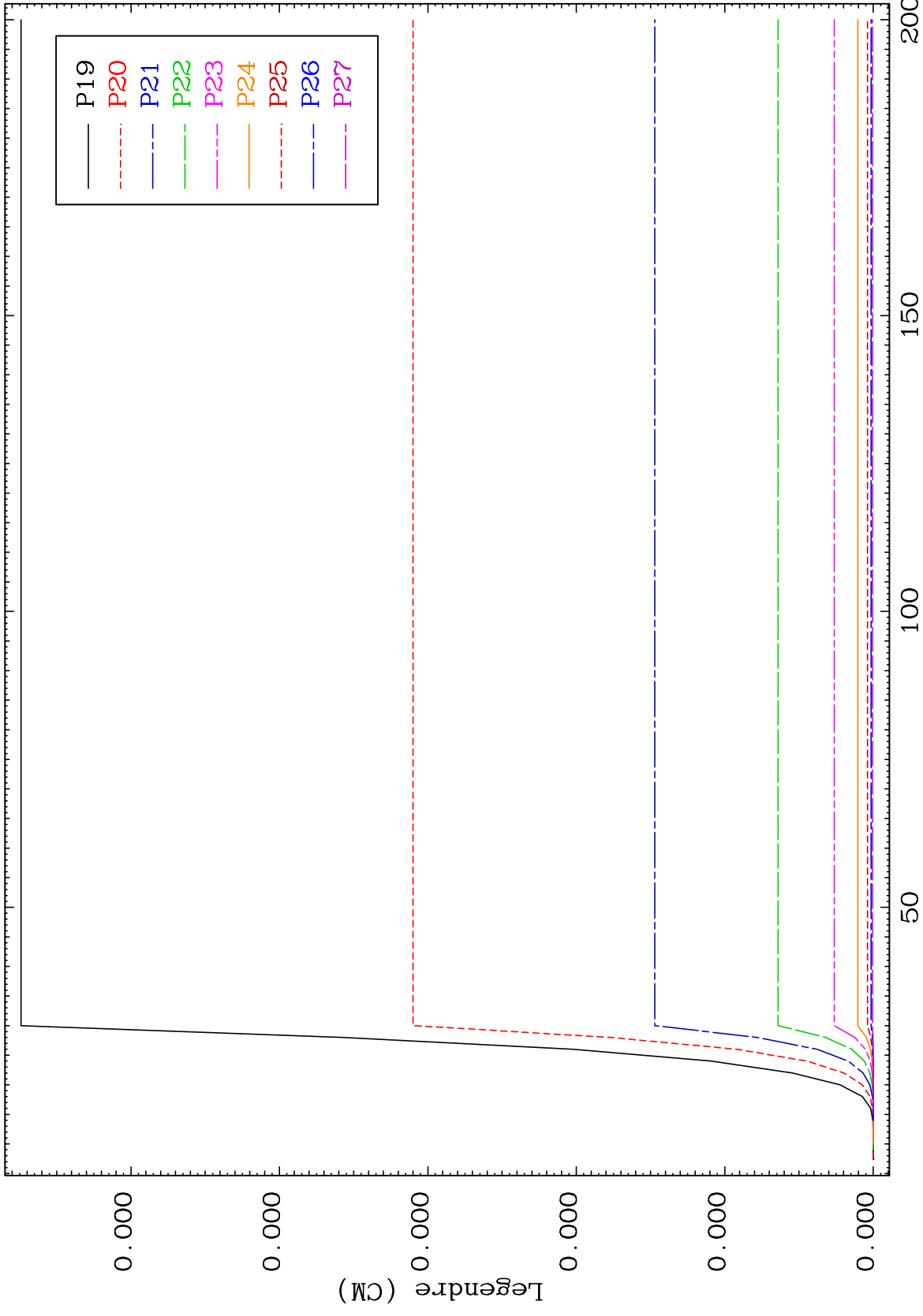
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



53

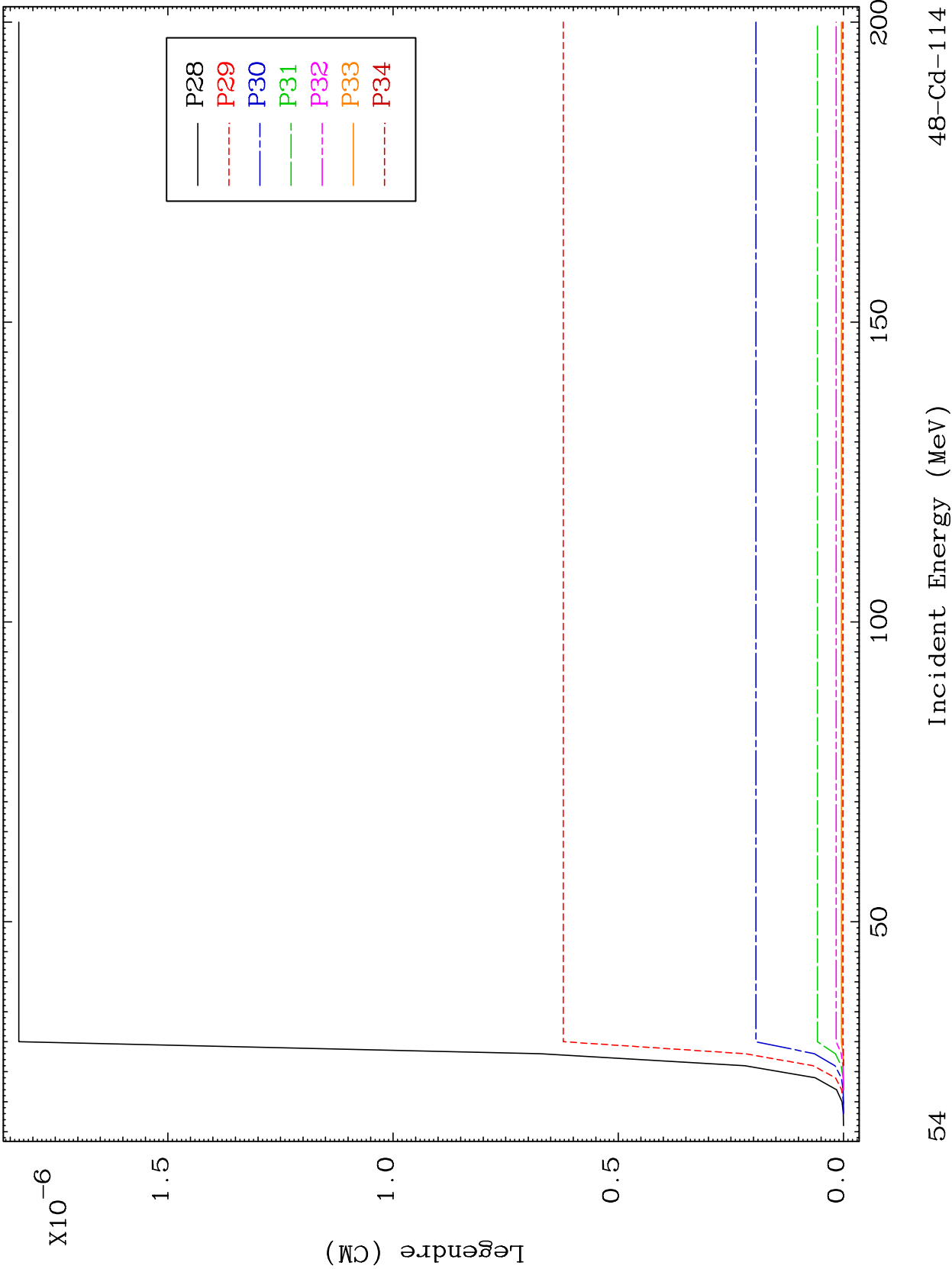
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

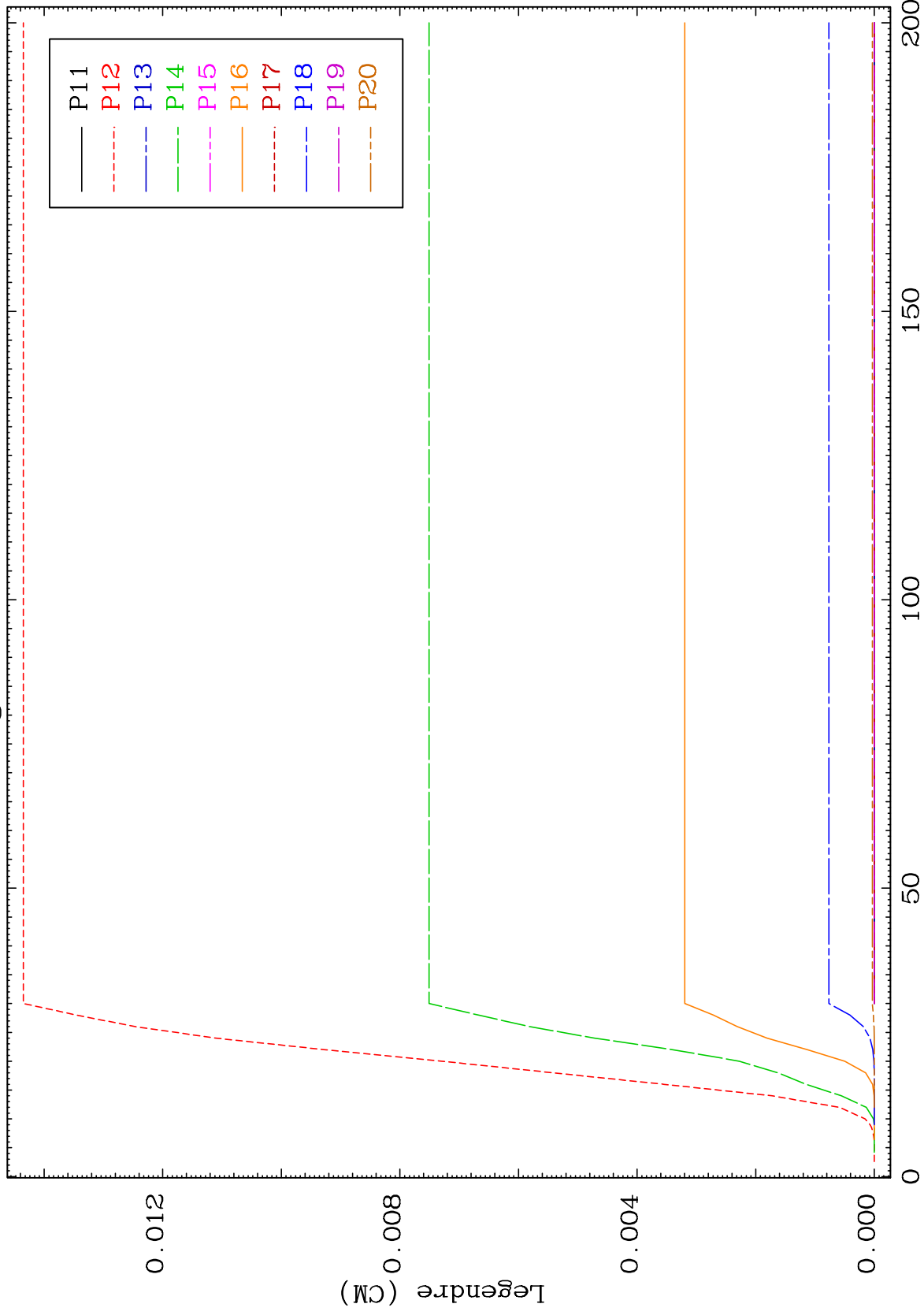
48-Cd-114



MAT 4849

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

48-Cd-114



56

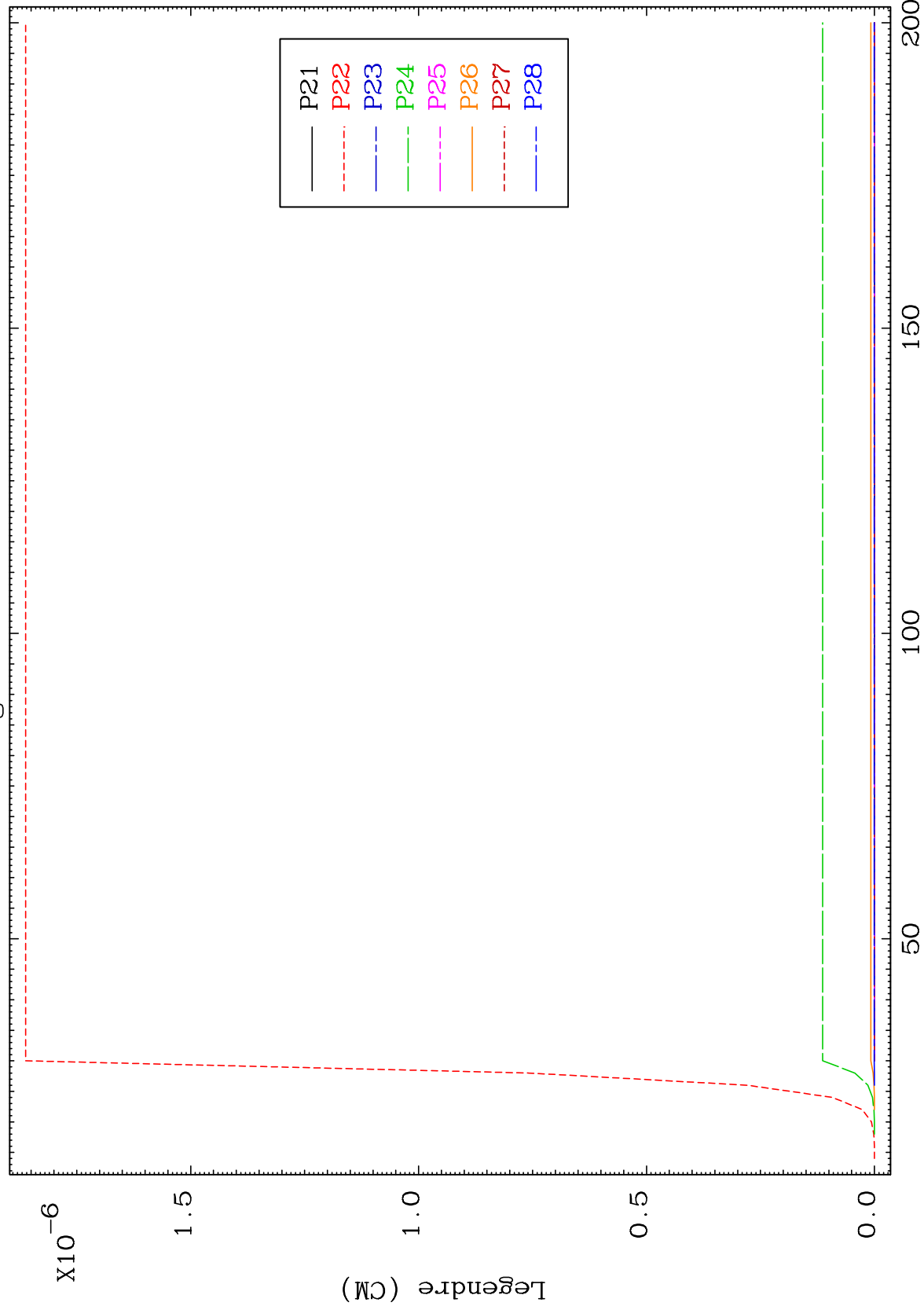
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



57

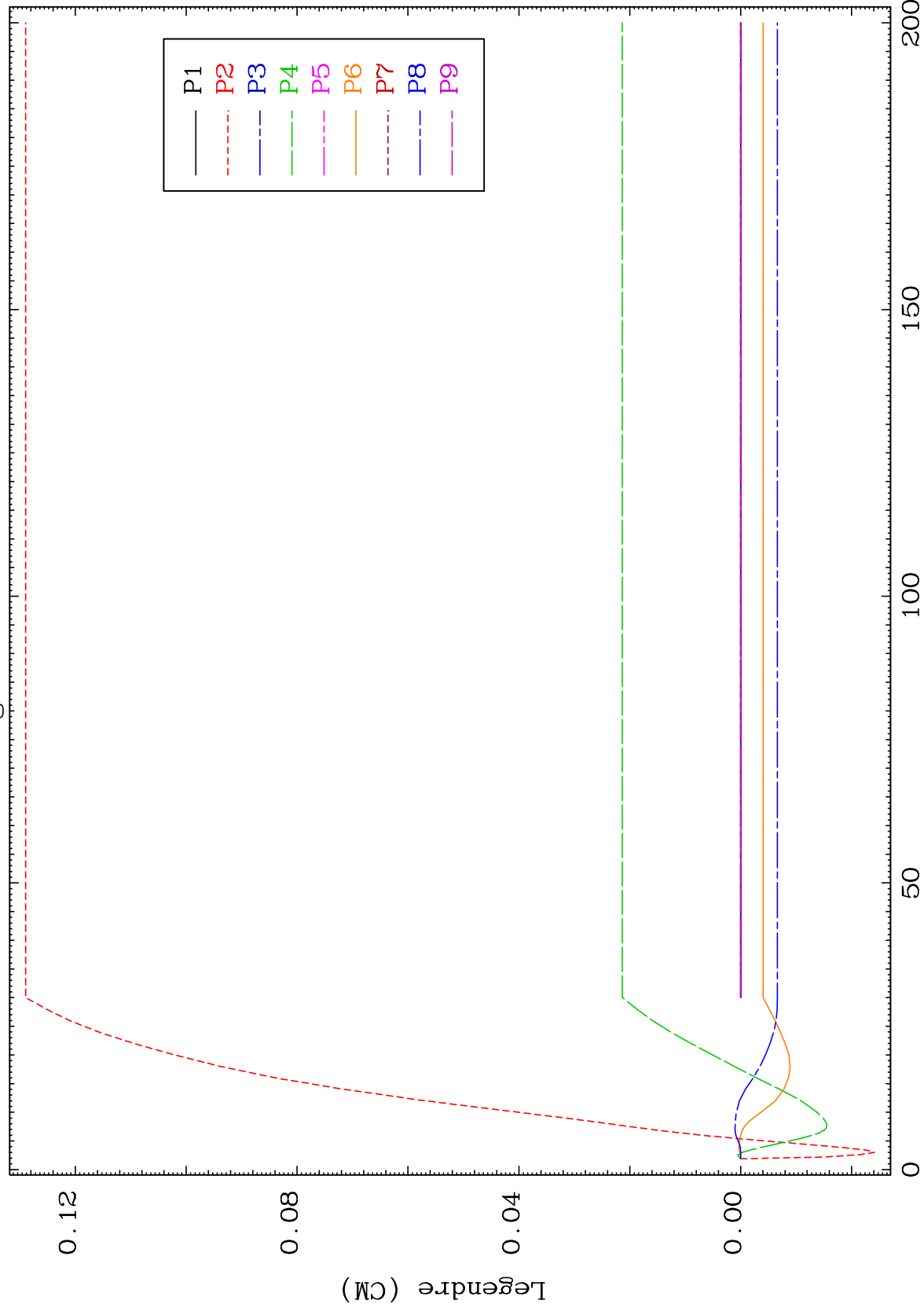
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



48-Cd-114

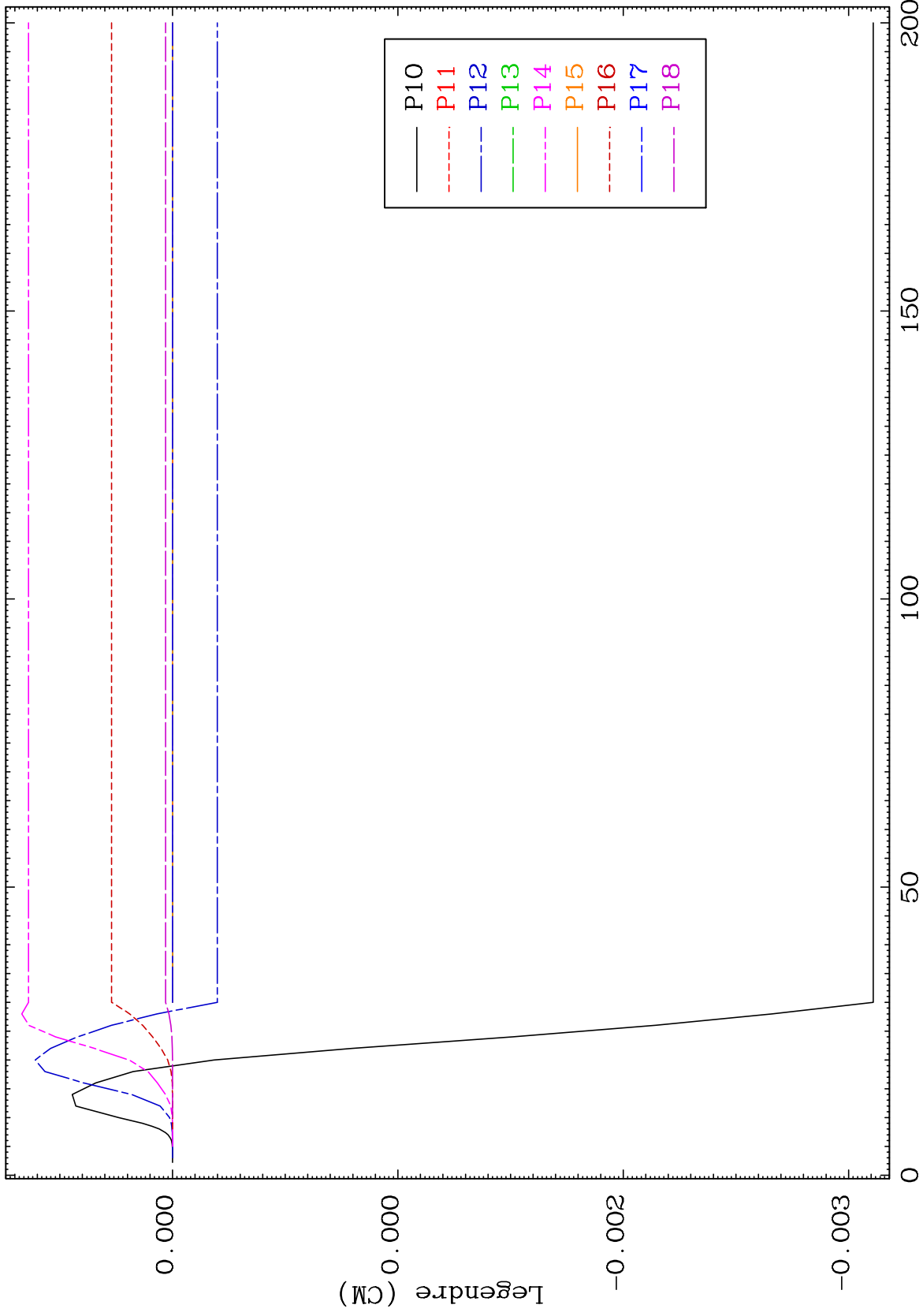
Incident Energy (MeV)

58

MAT 4849

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

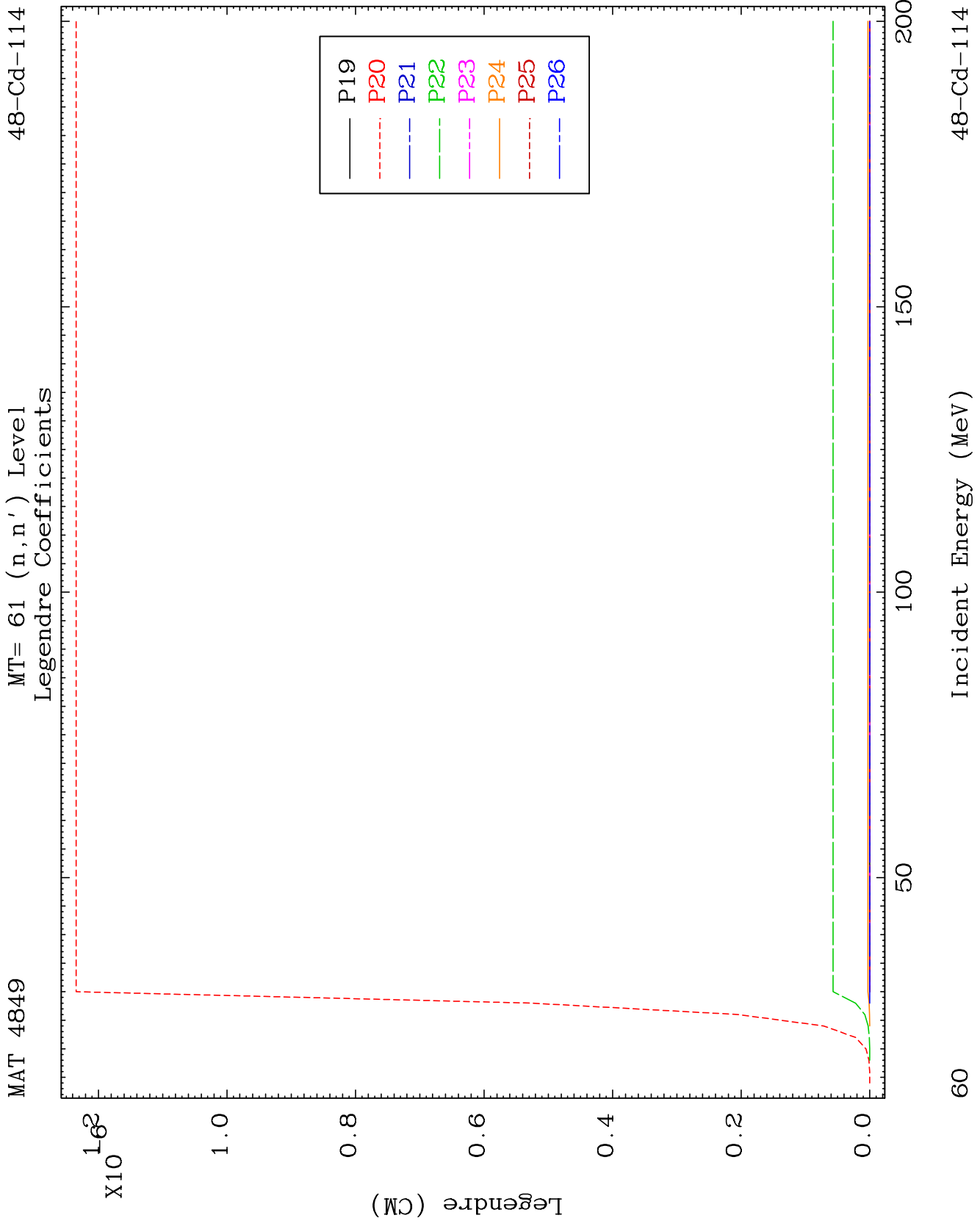
48-Cd-114



59

Incident Energy (MeV)

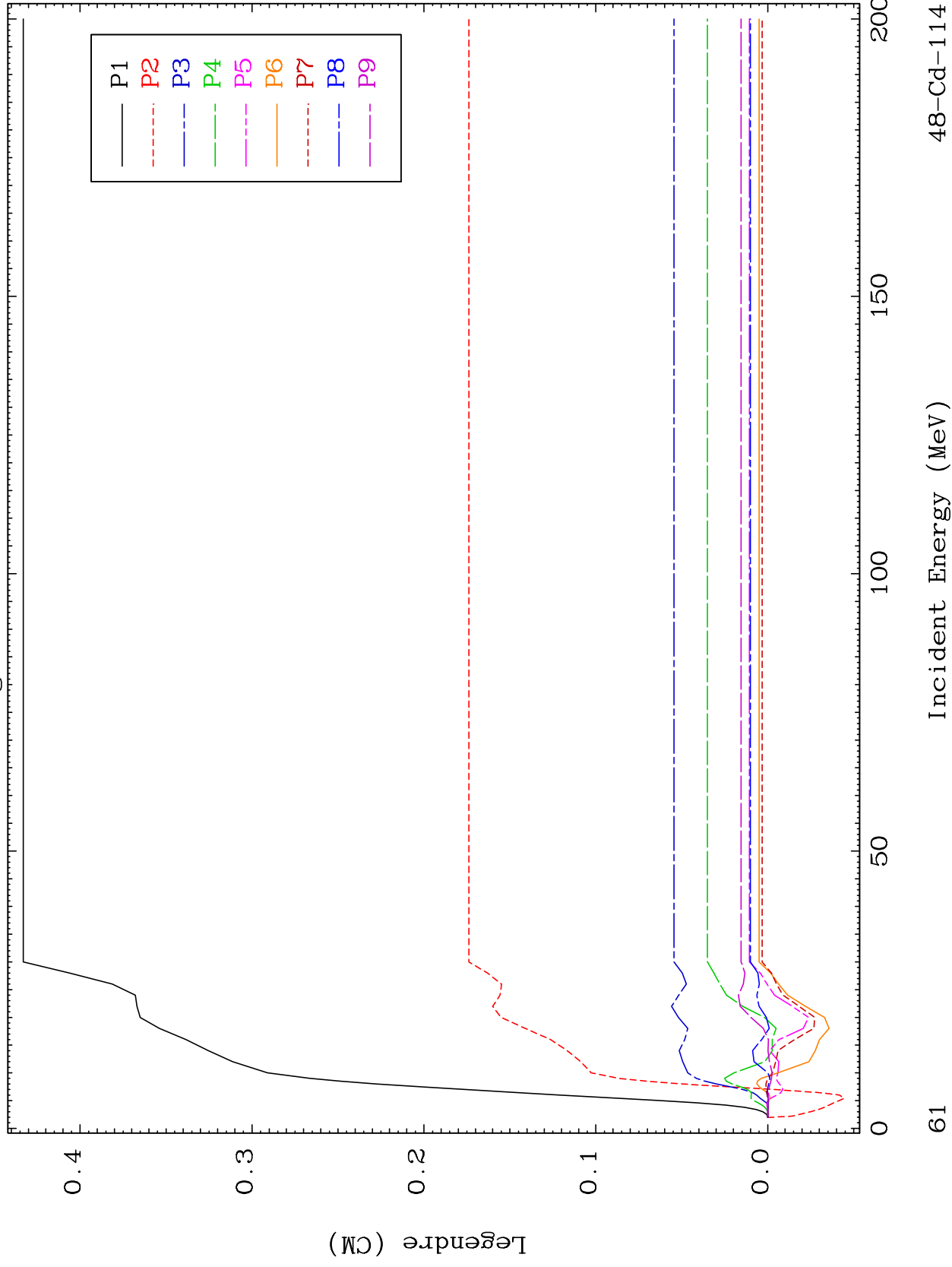
48-Cd-114



MAT 4849

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

48-Cd-114



48-Cd-114

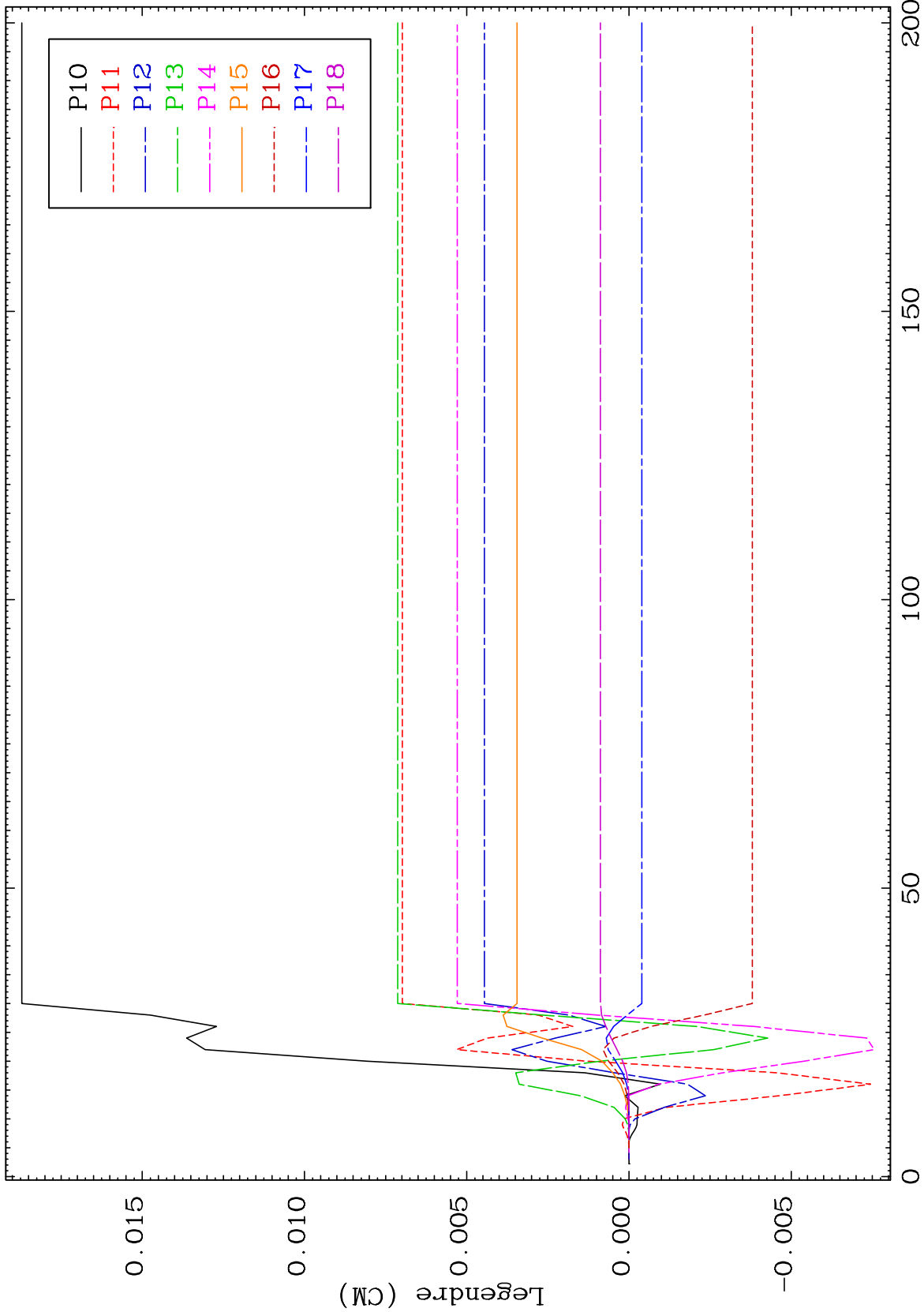
Incident Energy (MeV)

61

MAT 4849

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

48-Cd-114



62

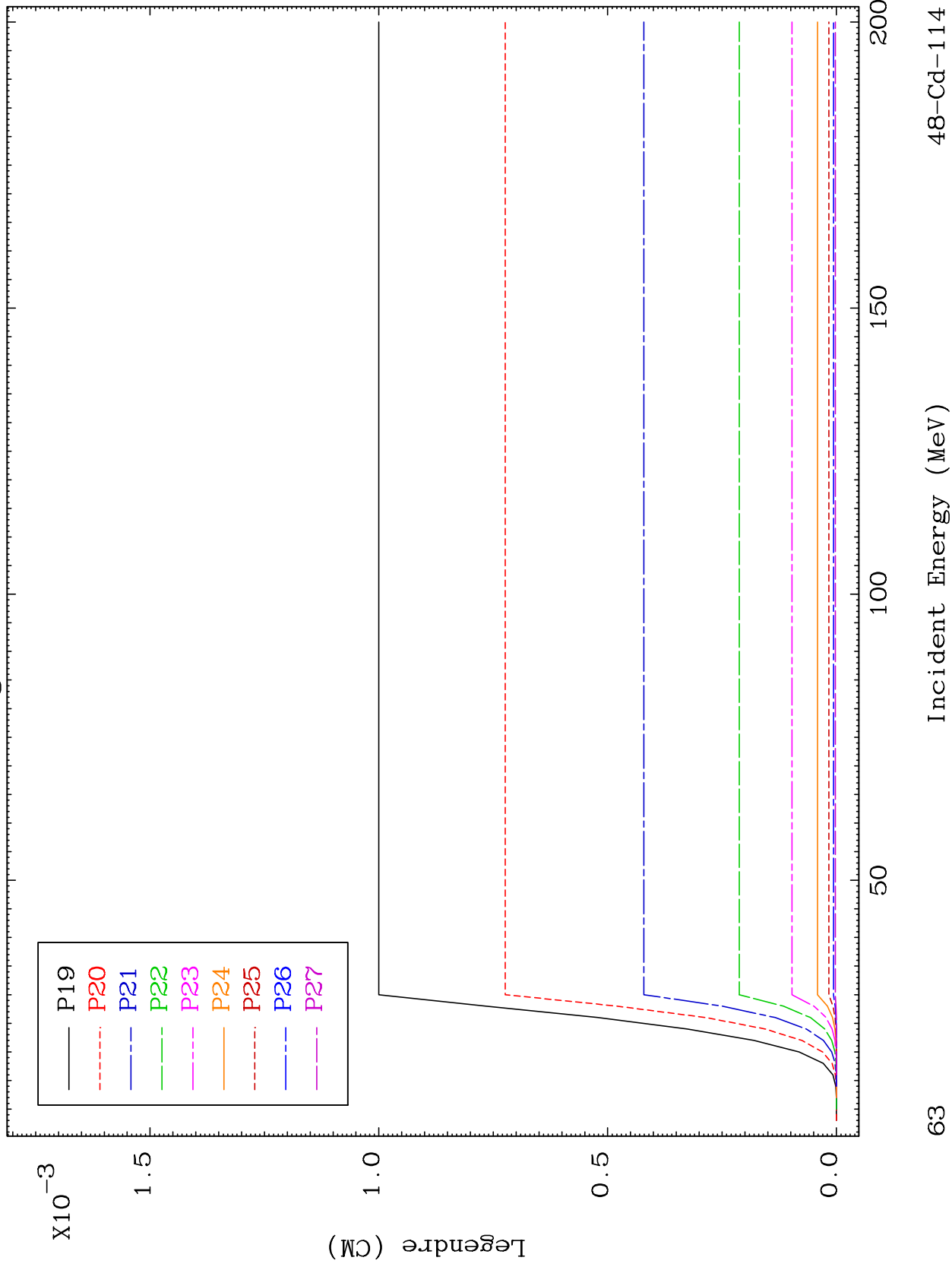
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114

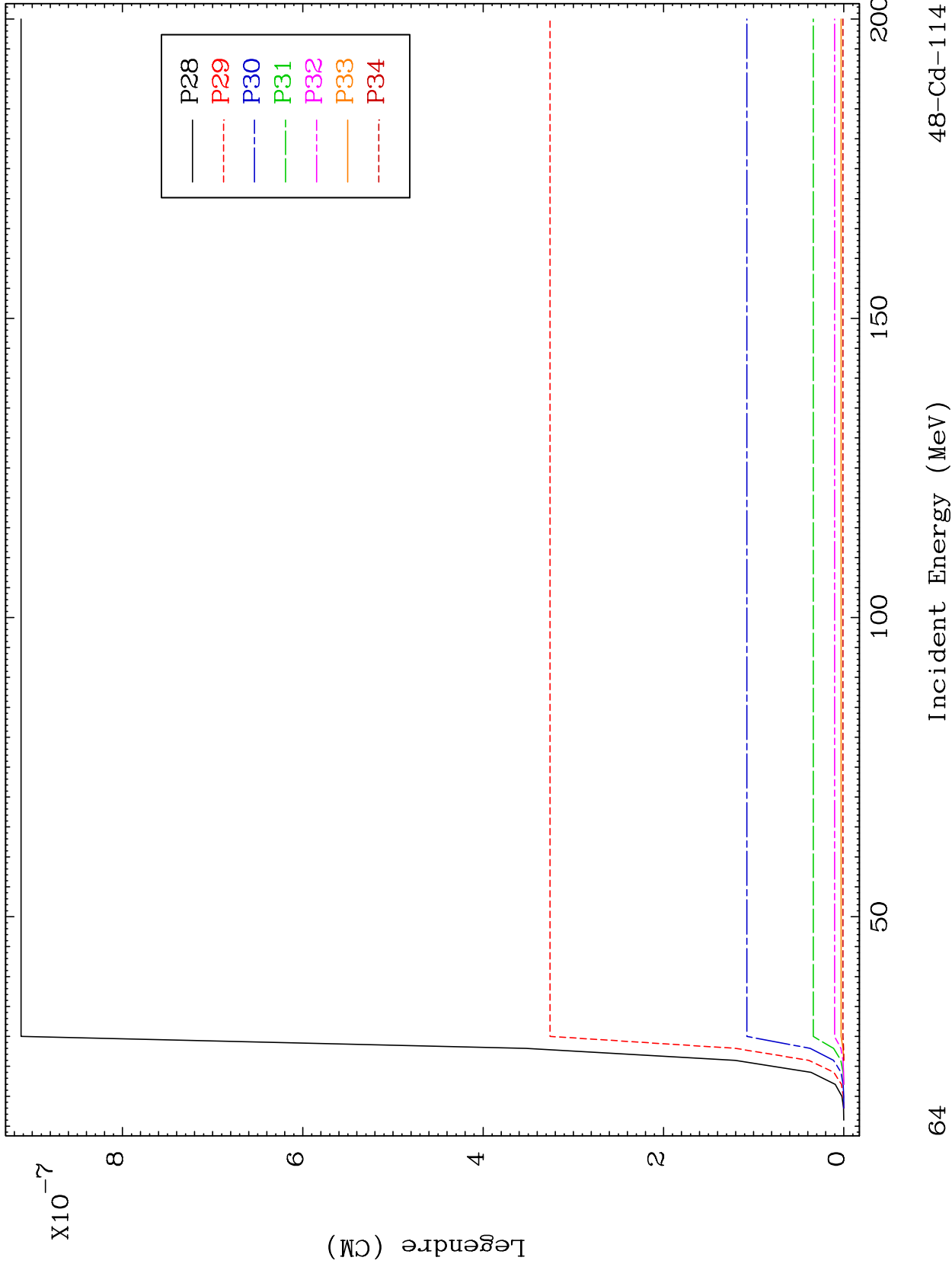


63

MAT 4849

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

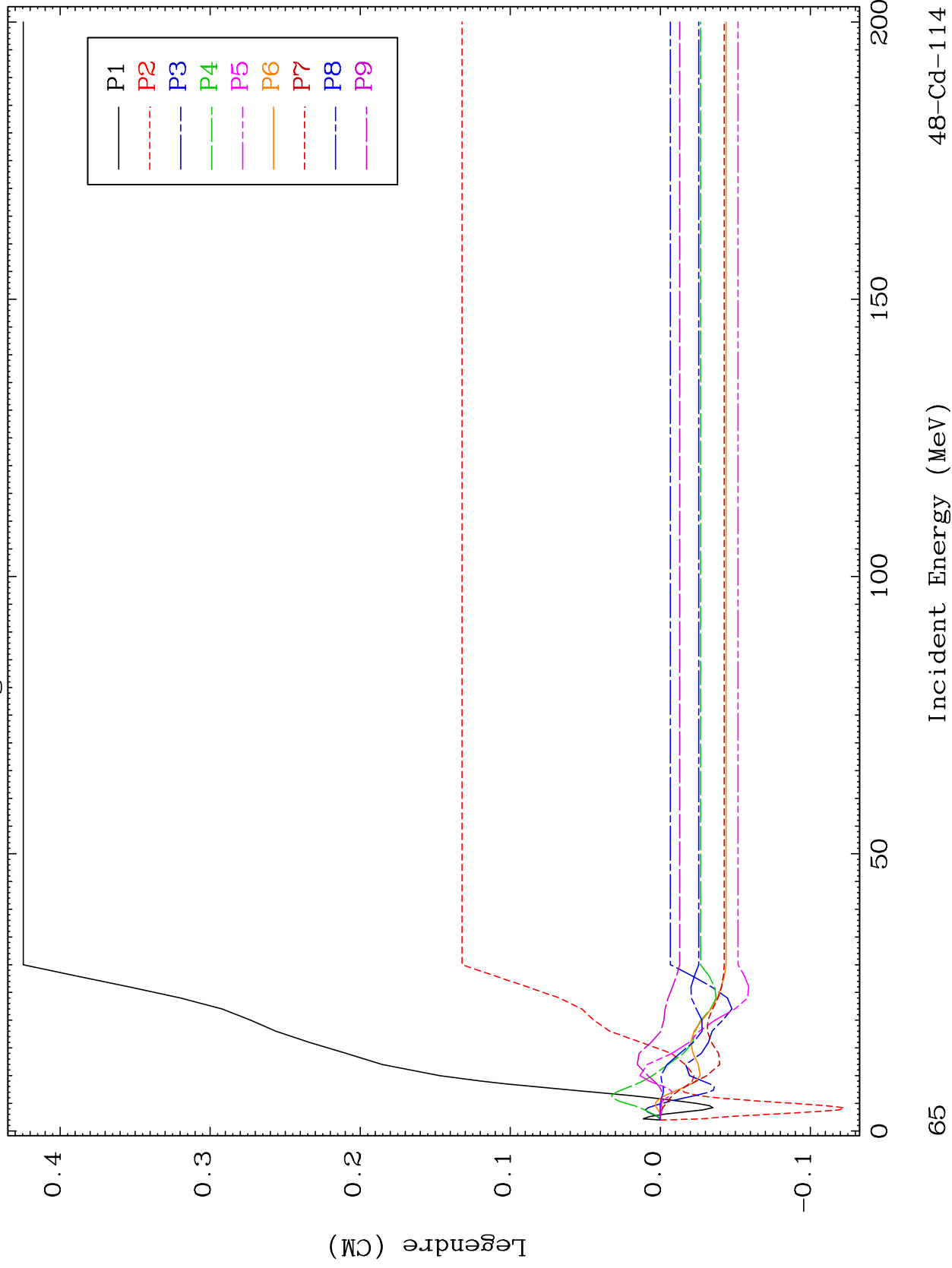
48-Cd-114



MAT 4849

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

48-Cd-114



48-Cd-114

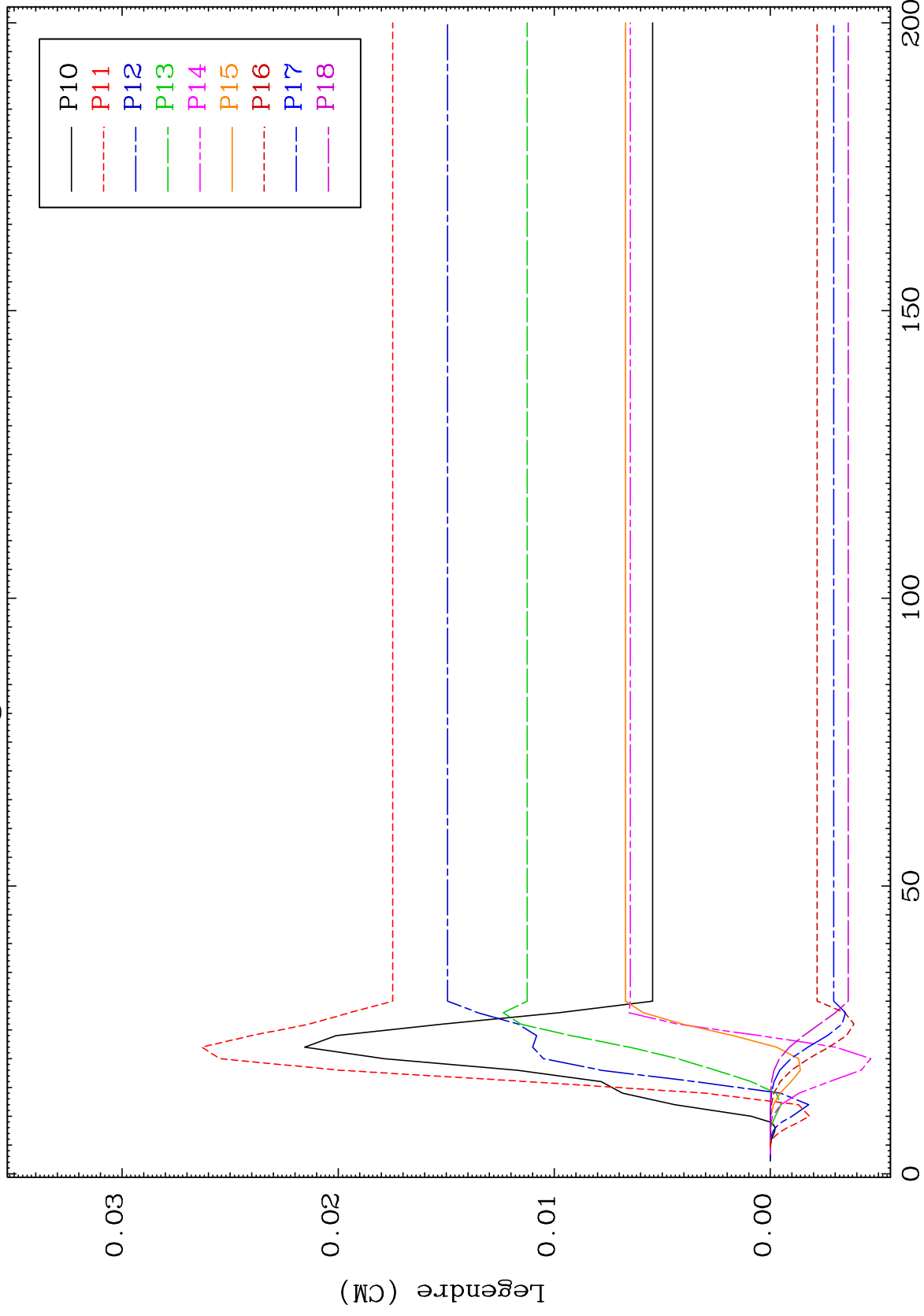
Incident Energy (MeV)

65

MAT 4849

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

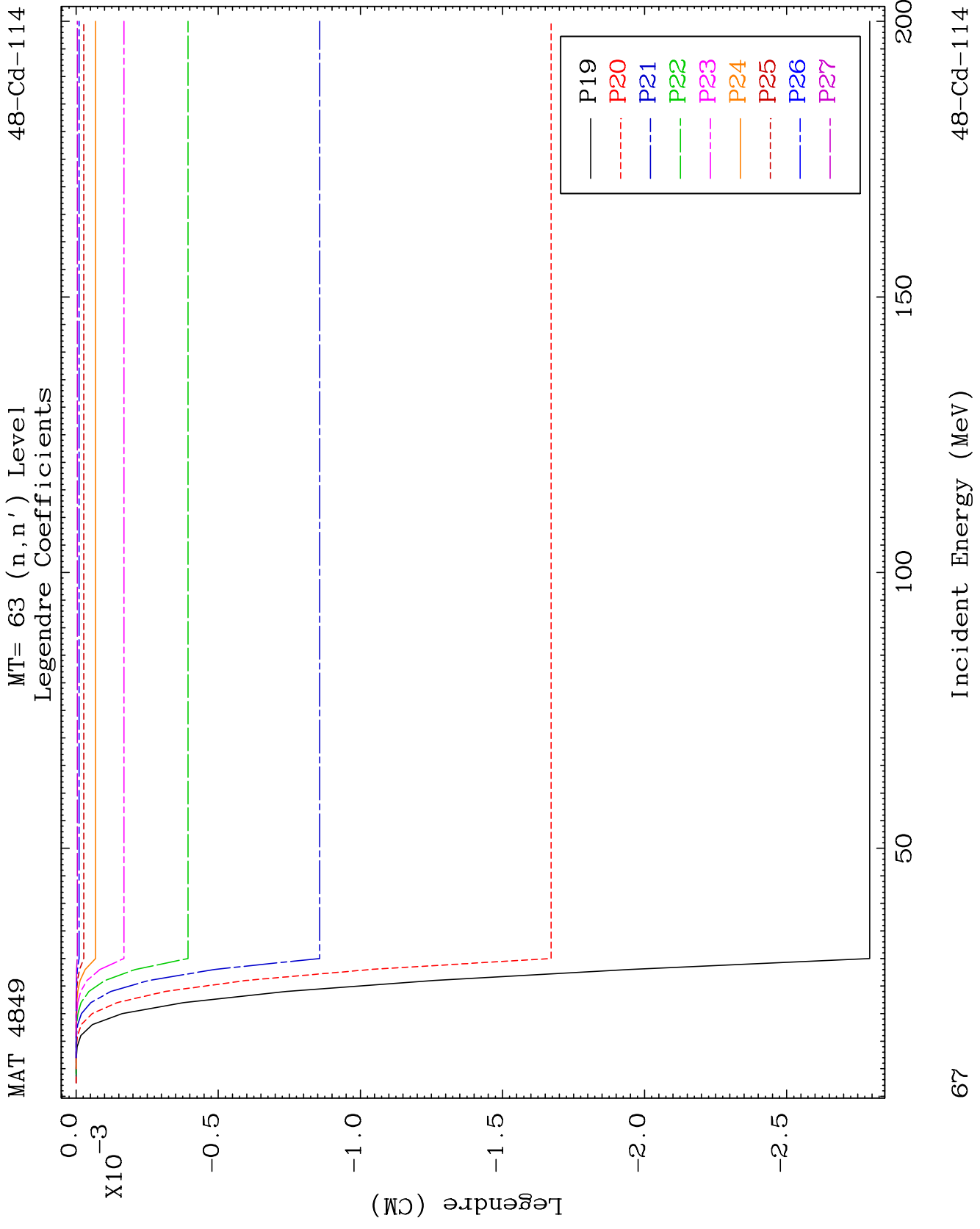
48-Cd-114



66

Incident Energy (MeV)

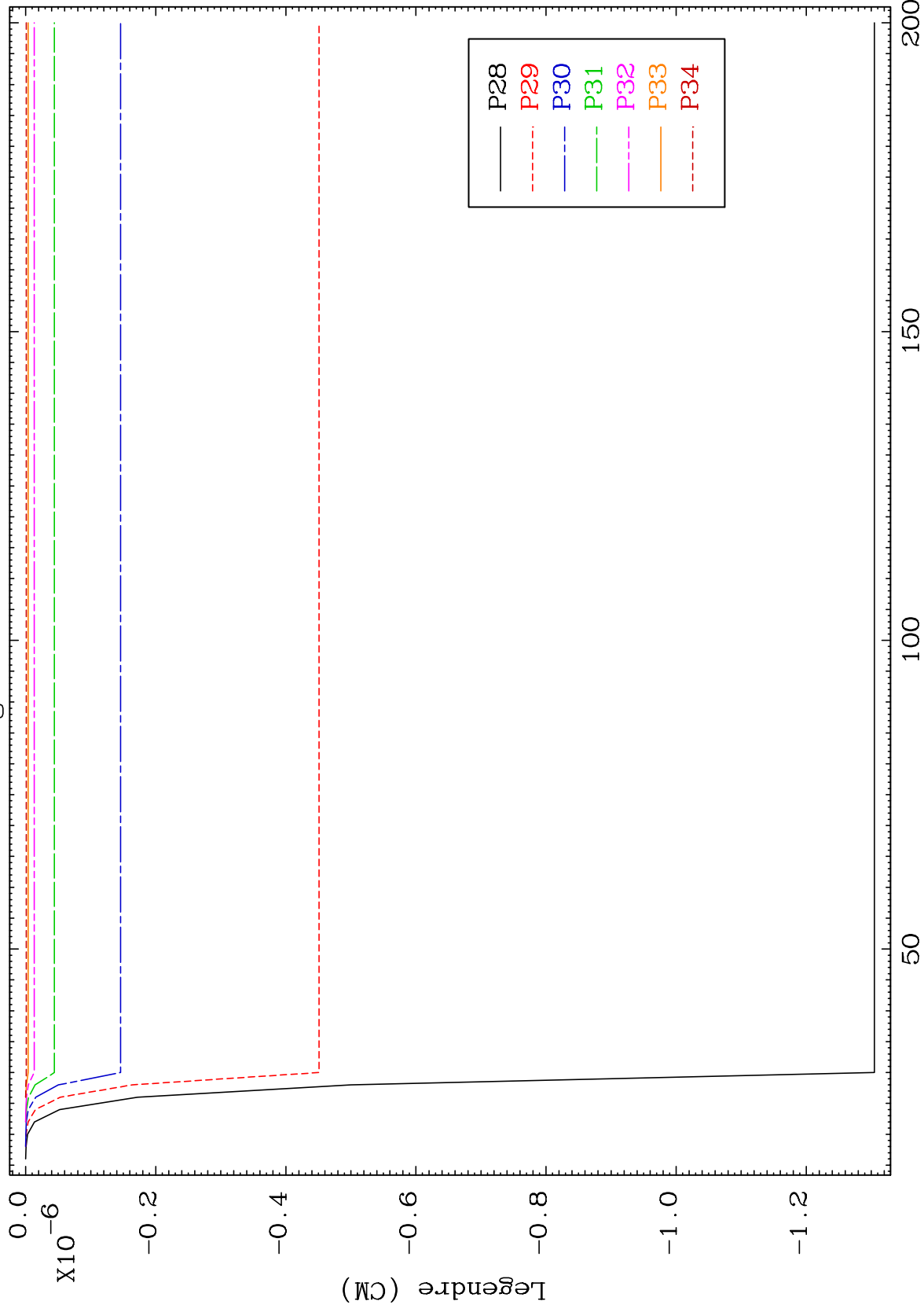
48-Cd-114



MAT 4849

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

48-Cd-114



68

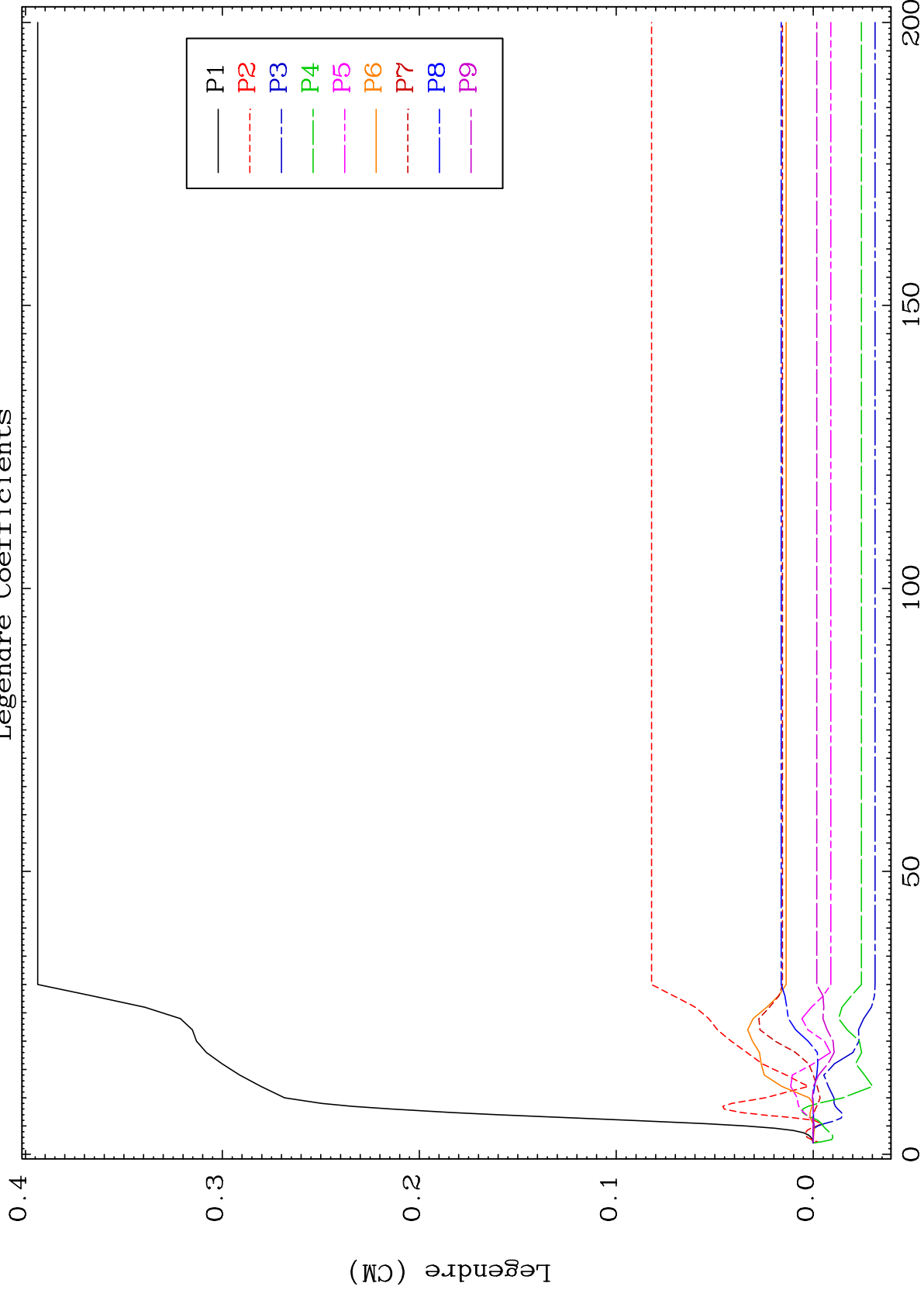
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



69

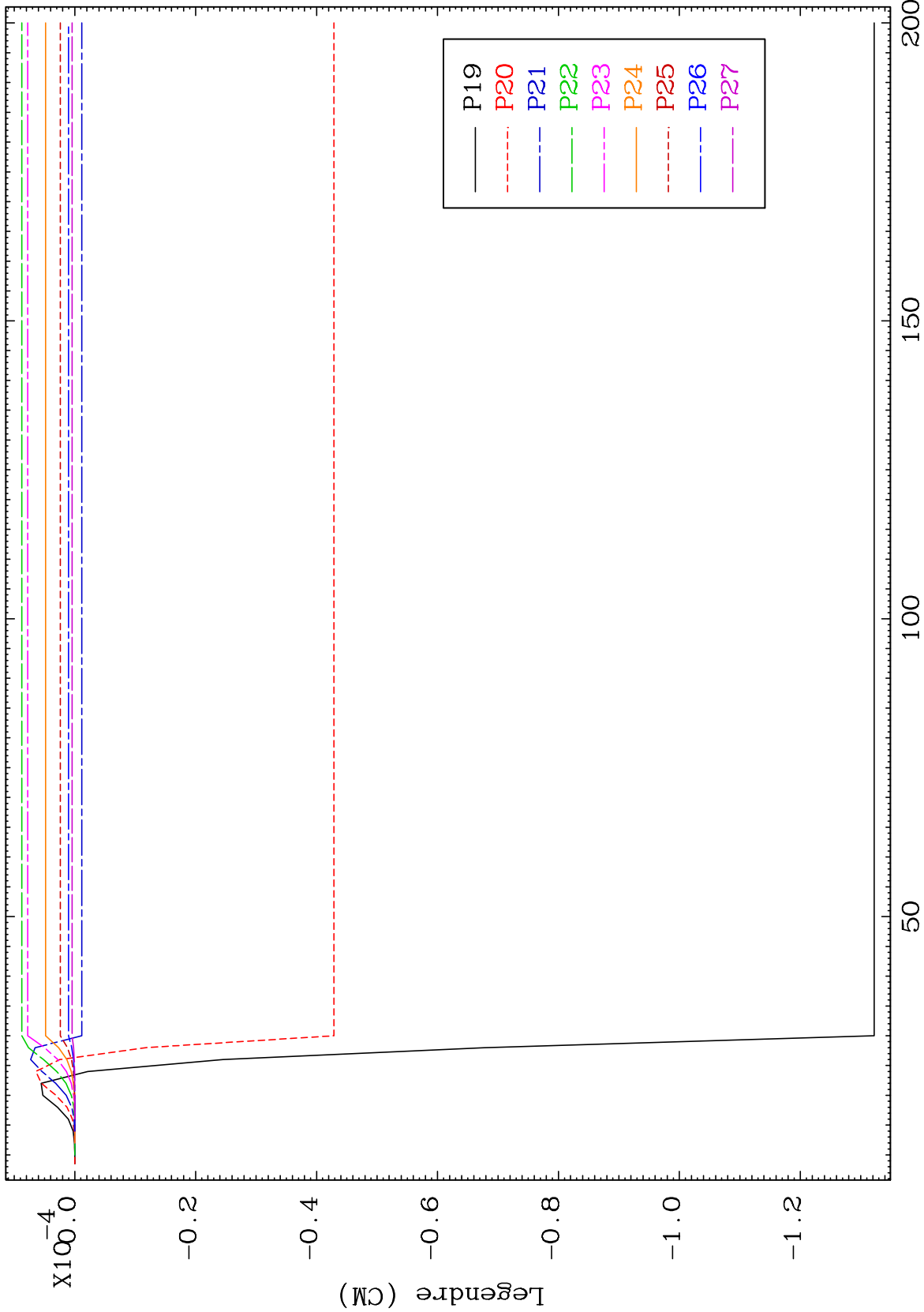
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

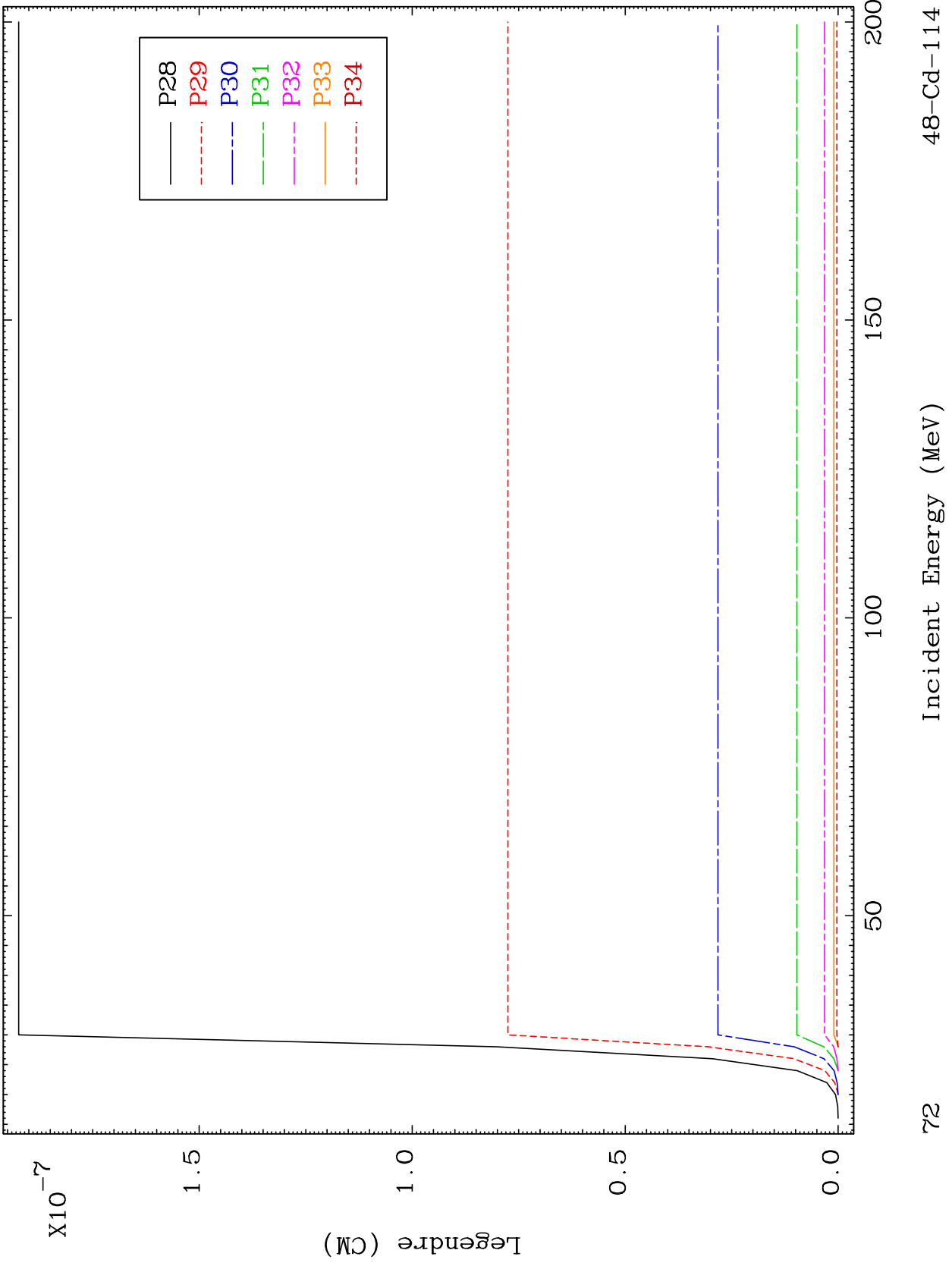
48-Cd-114



MAT 4849

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

48-Cd-114



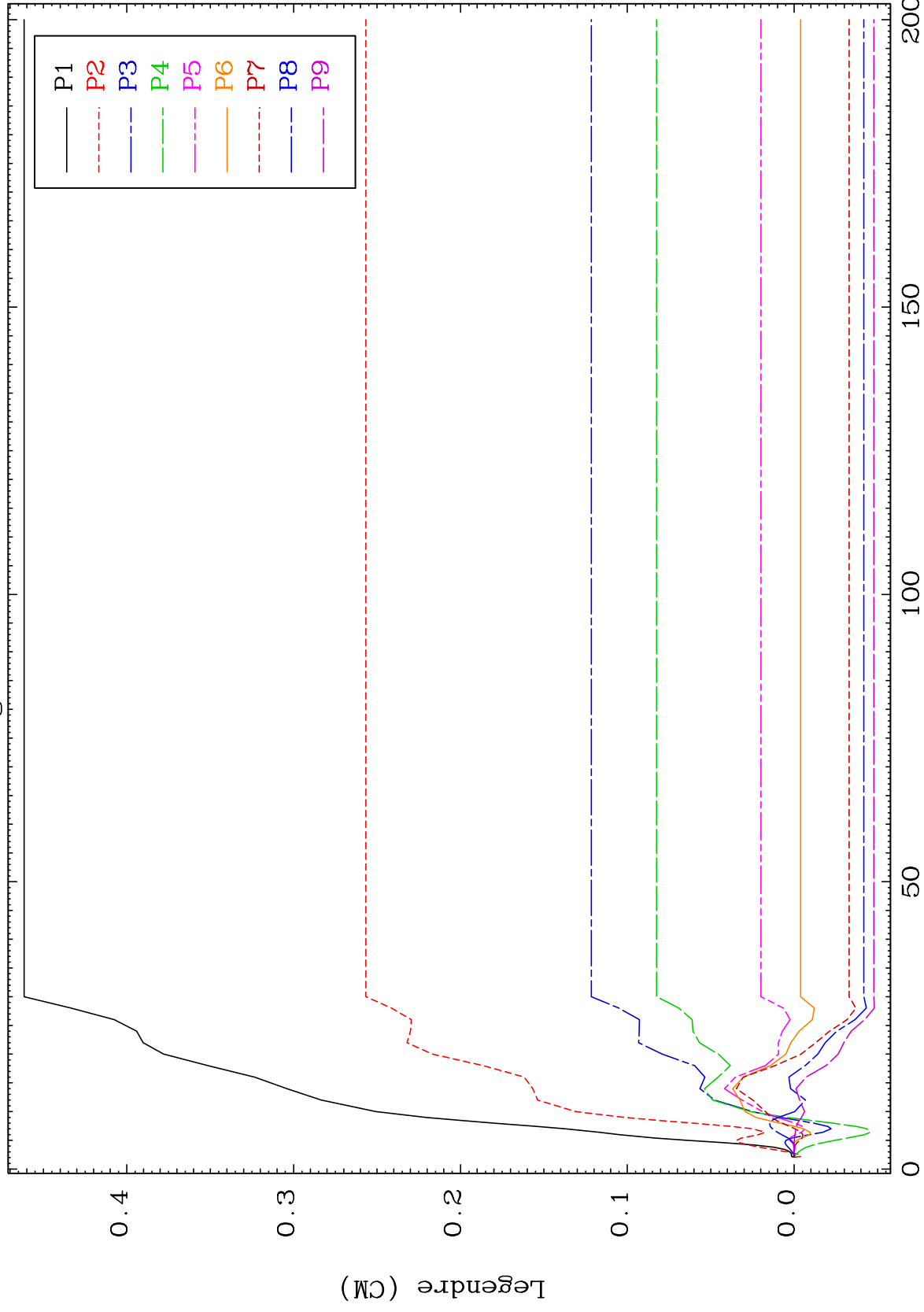
72

48-Cd-114

MAT 4849

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

48-Cd-114



48-Cd-114

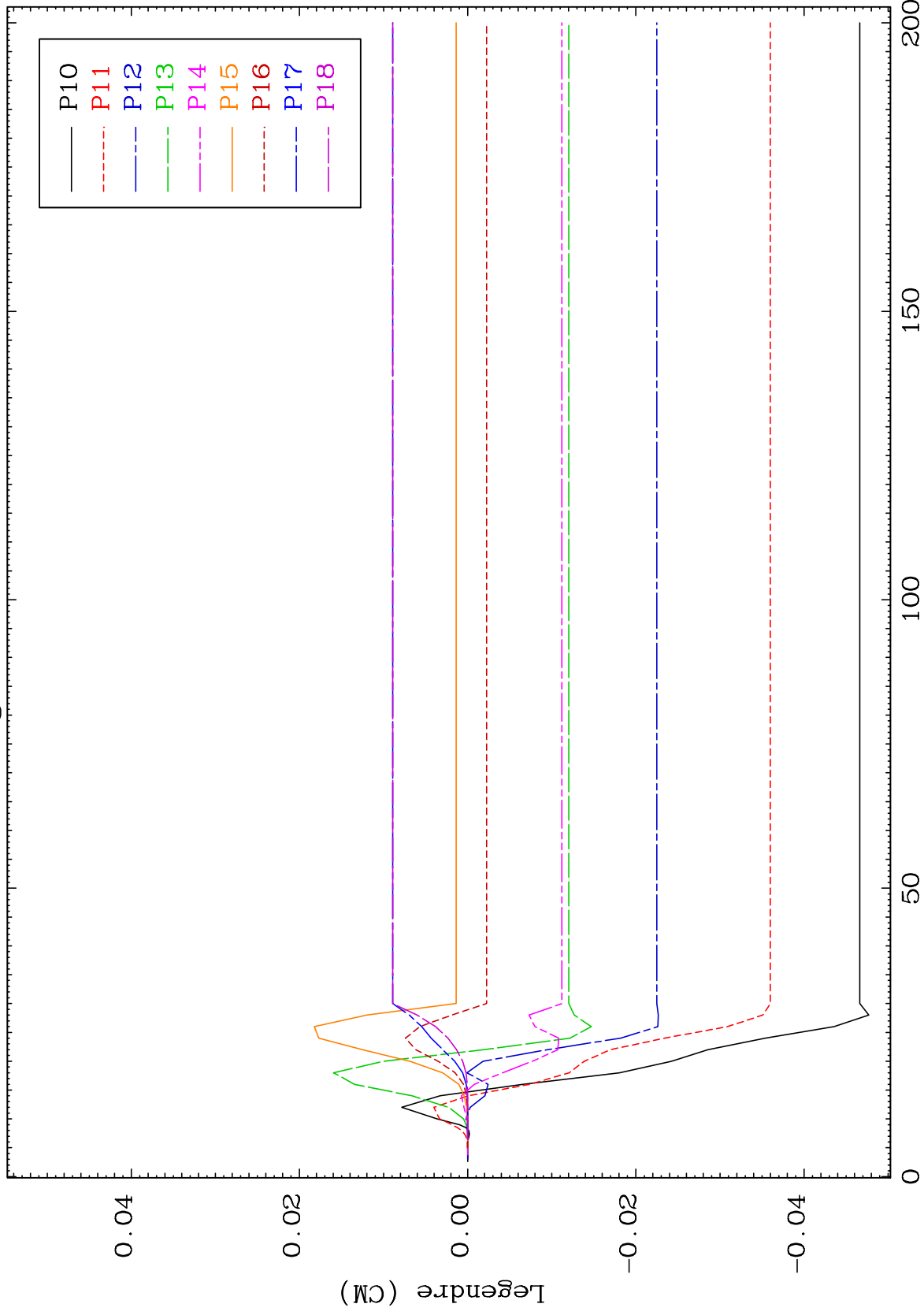
Incident Energy (MeV)

73

MAT 4849

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

48-Cd-114



74

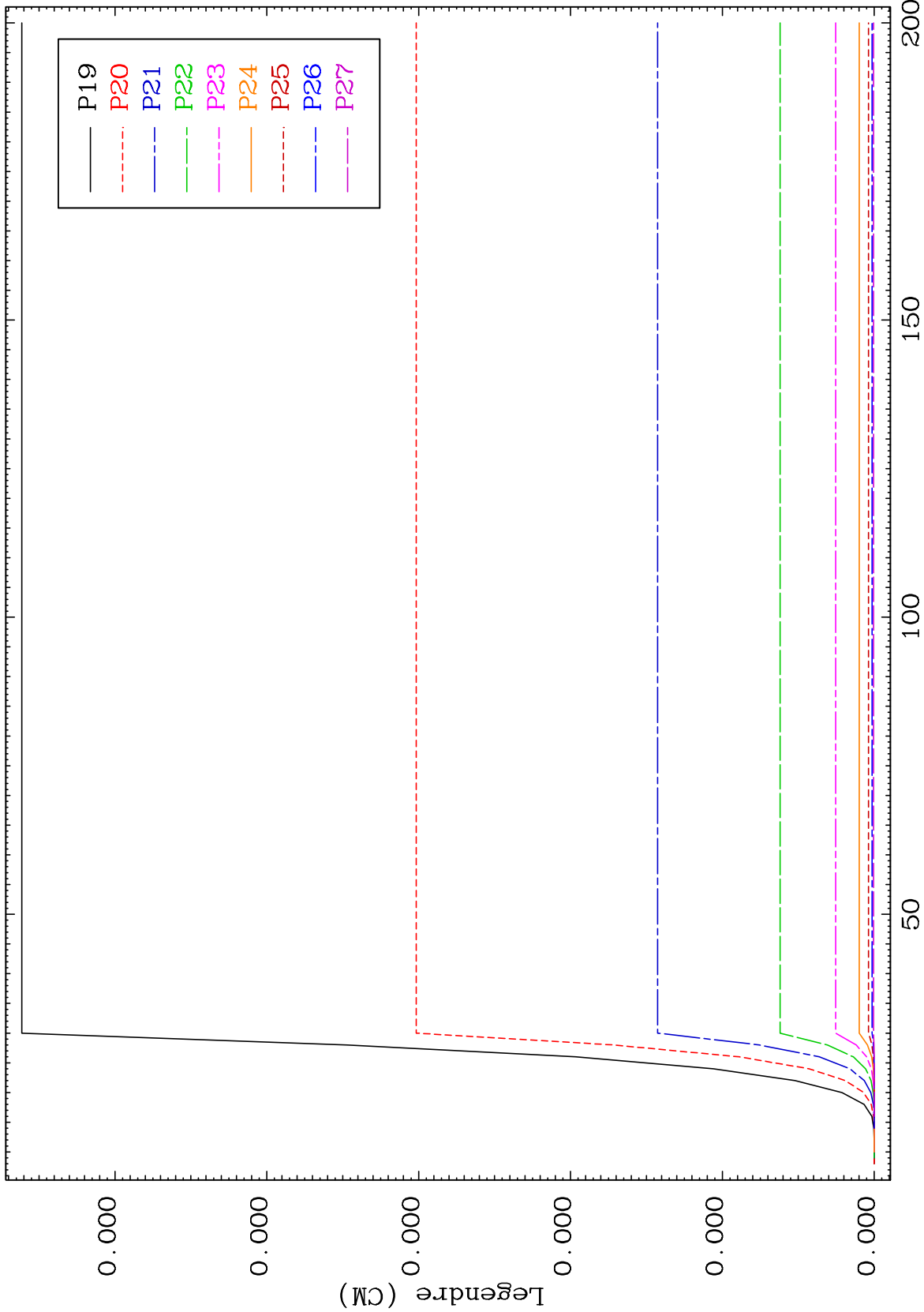
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



75

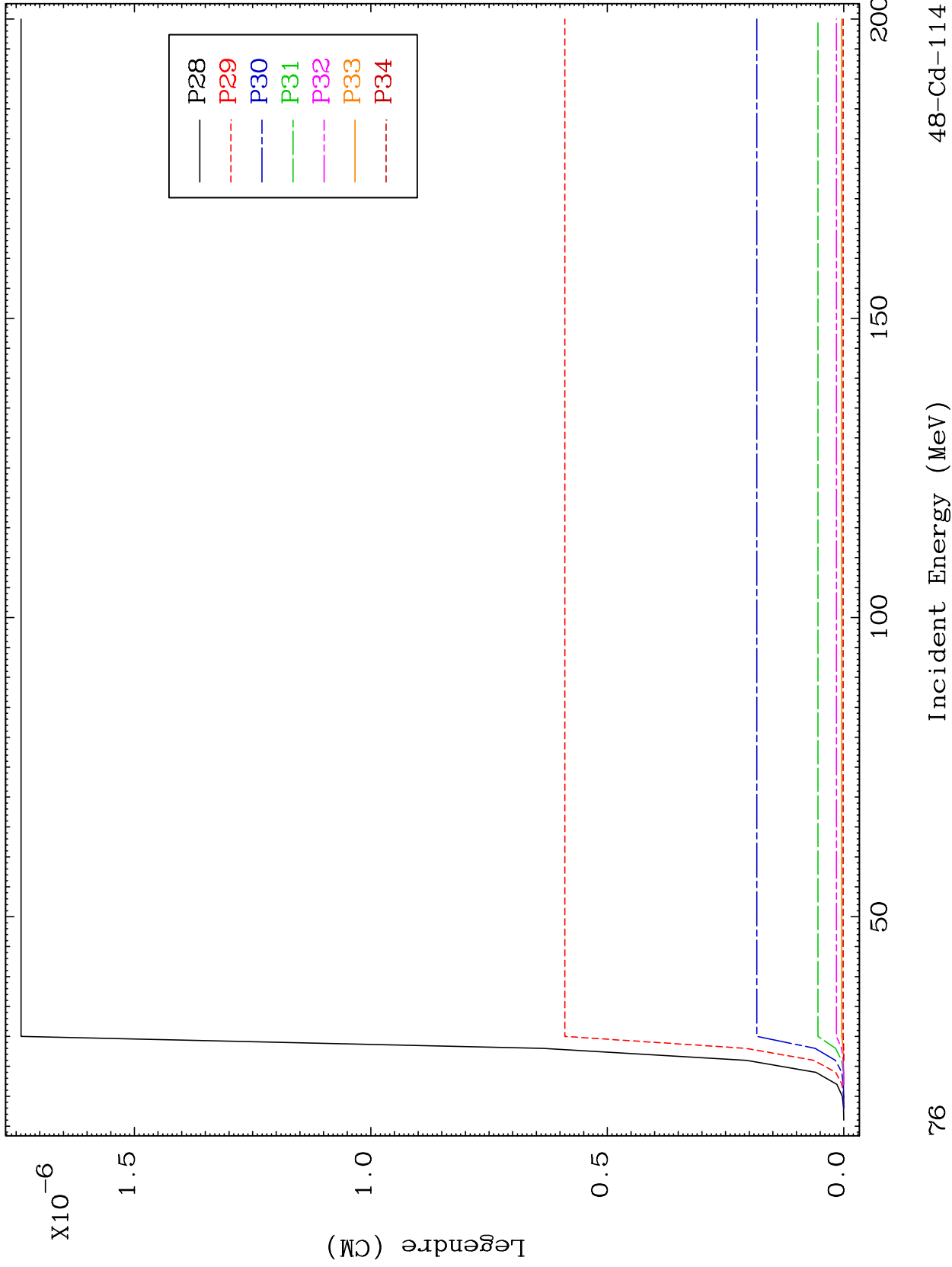
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

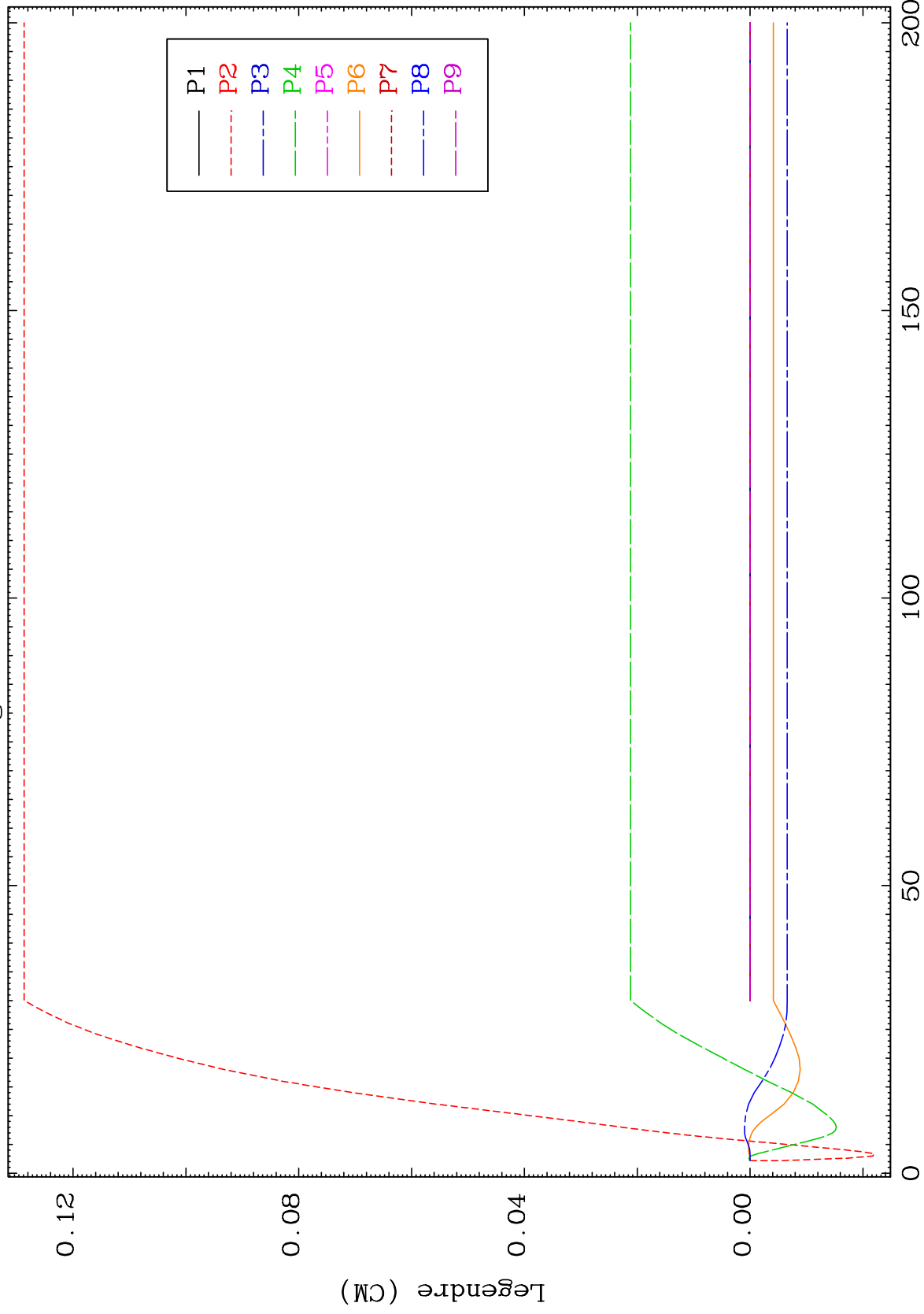
48-Cd-114



MAT 4849

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

48-Cd-114



77

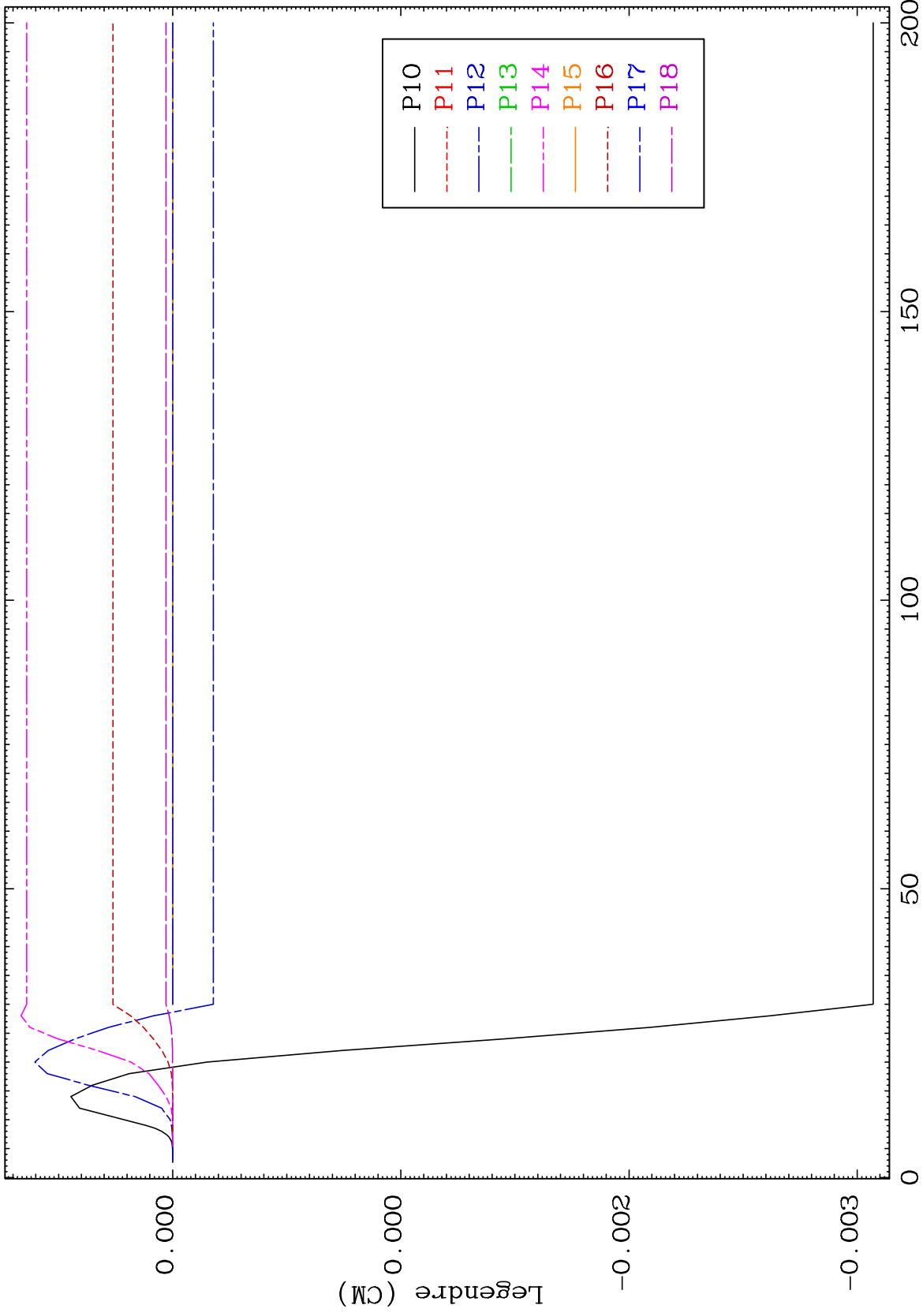
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



78

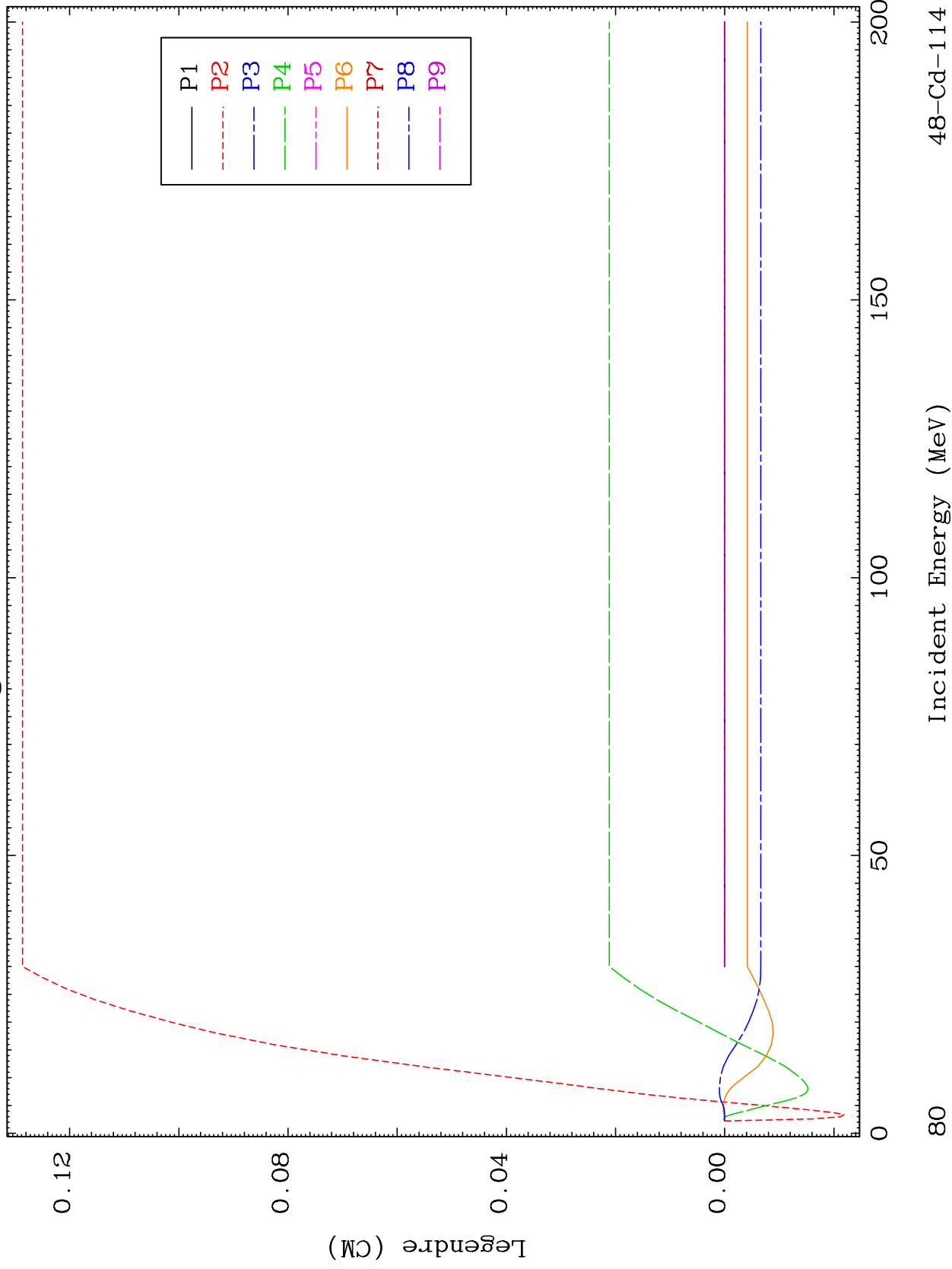
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

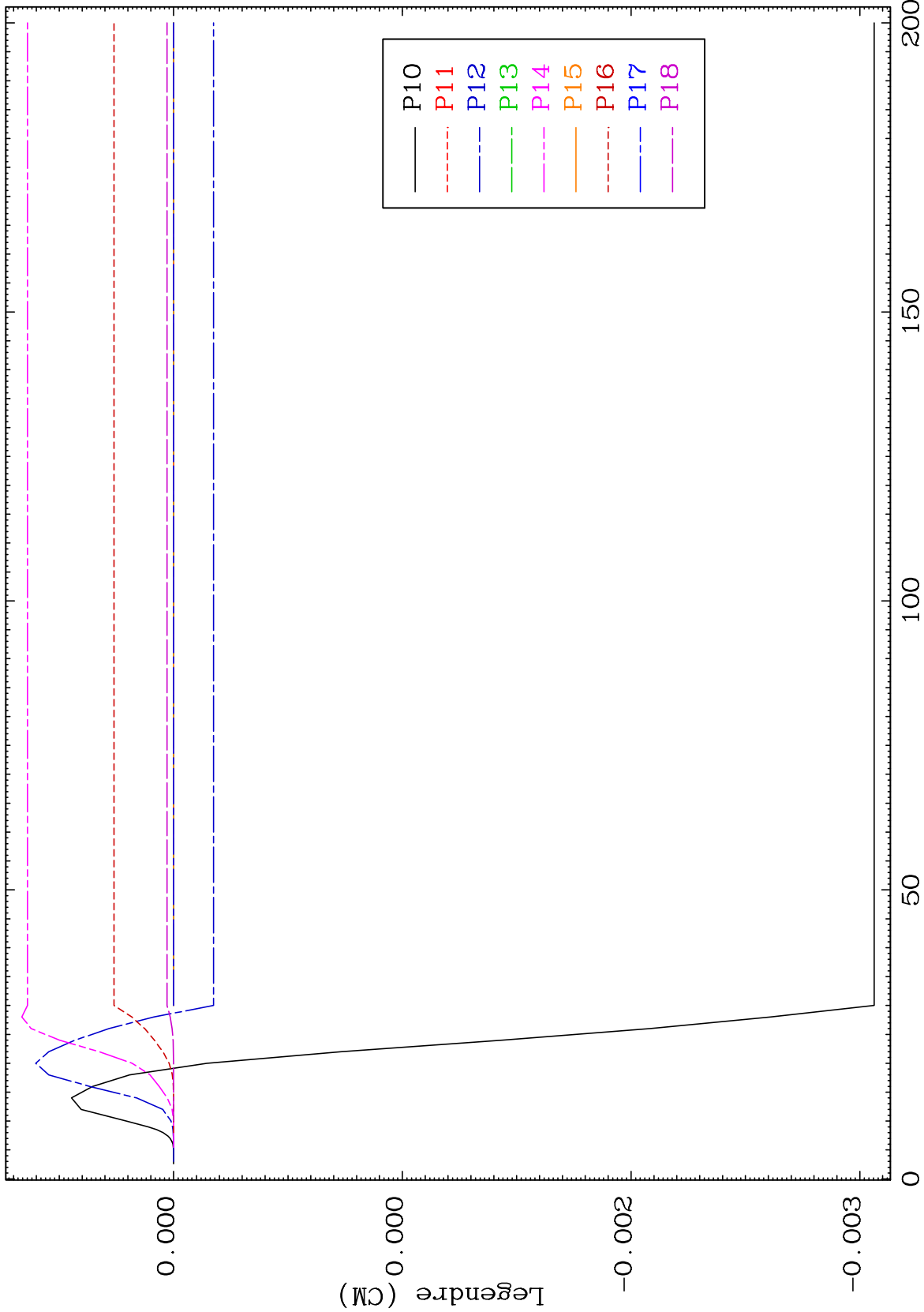
48-Cd-114



MAT 4849

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

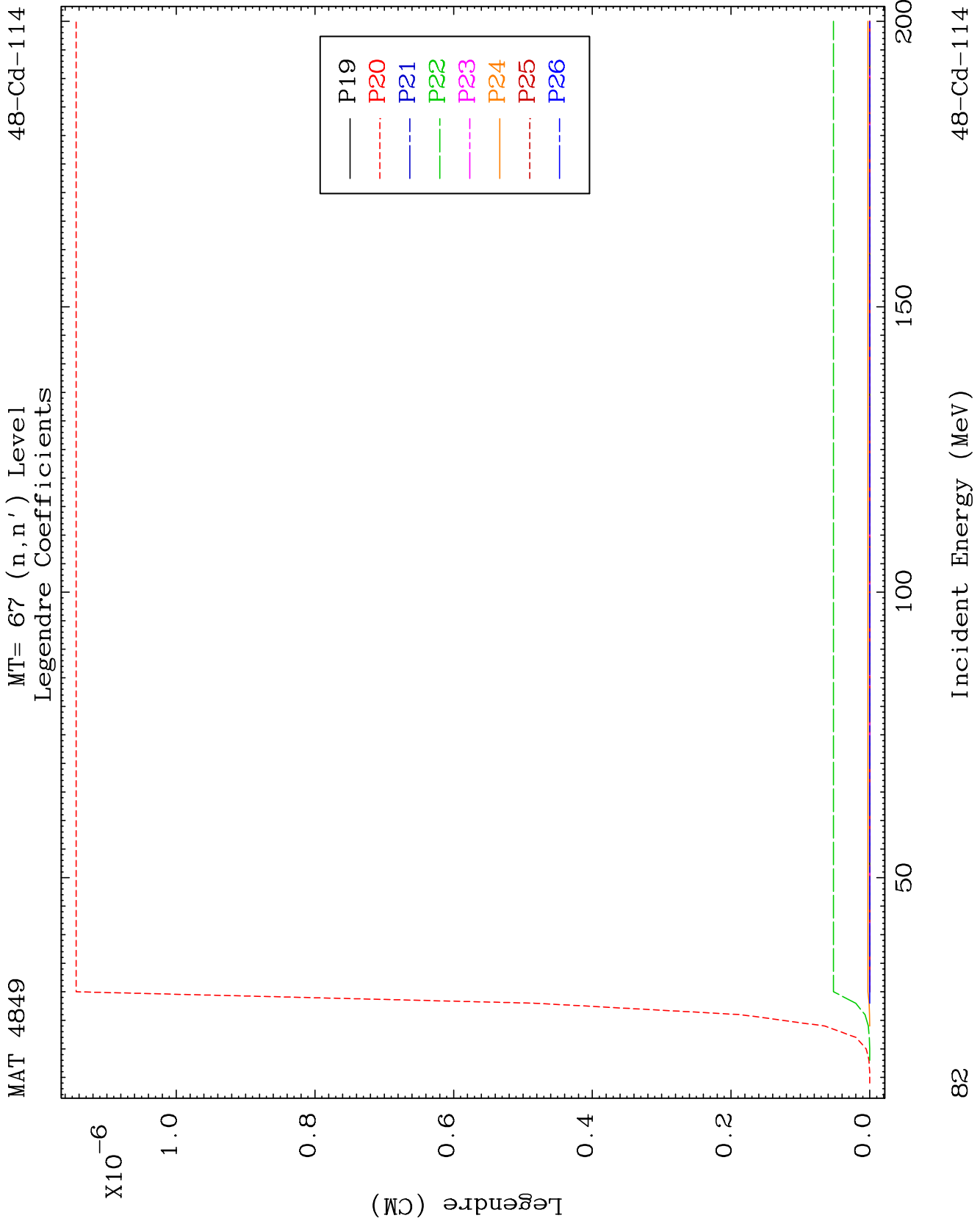
48-Cd-114



81

Incident Energy (MeV)

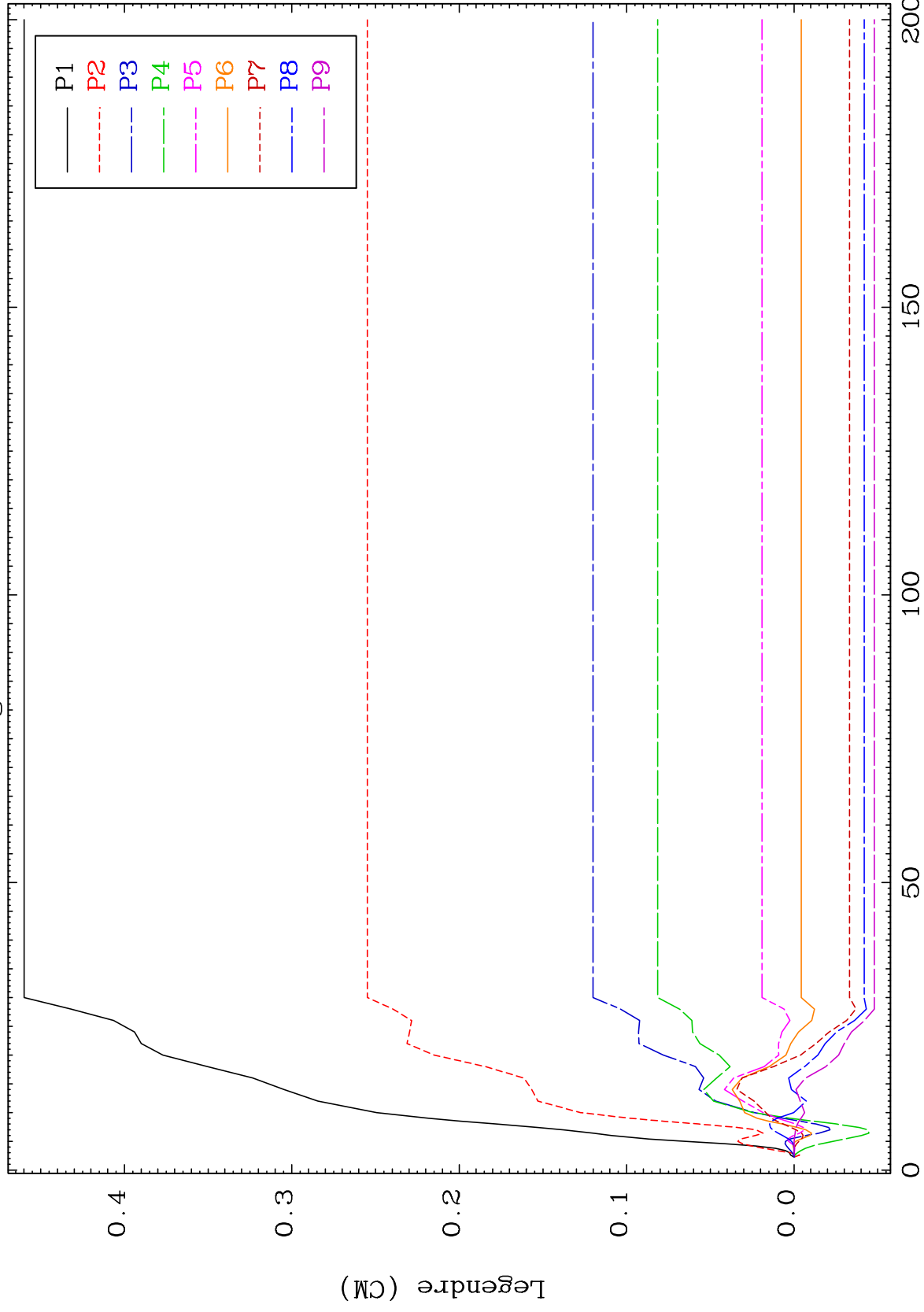
48-Cd-114



MAT 4849

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

48-Cd-114



83

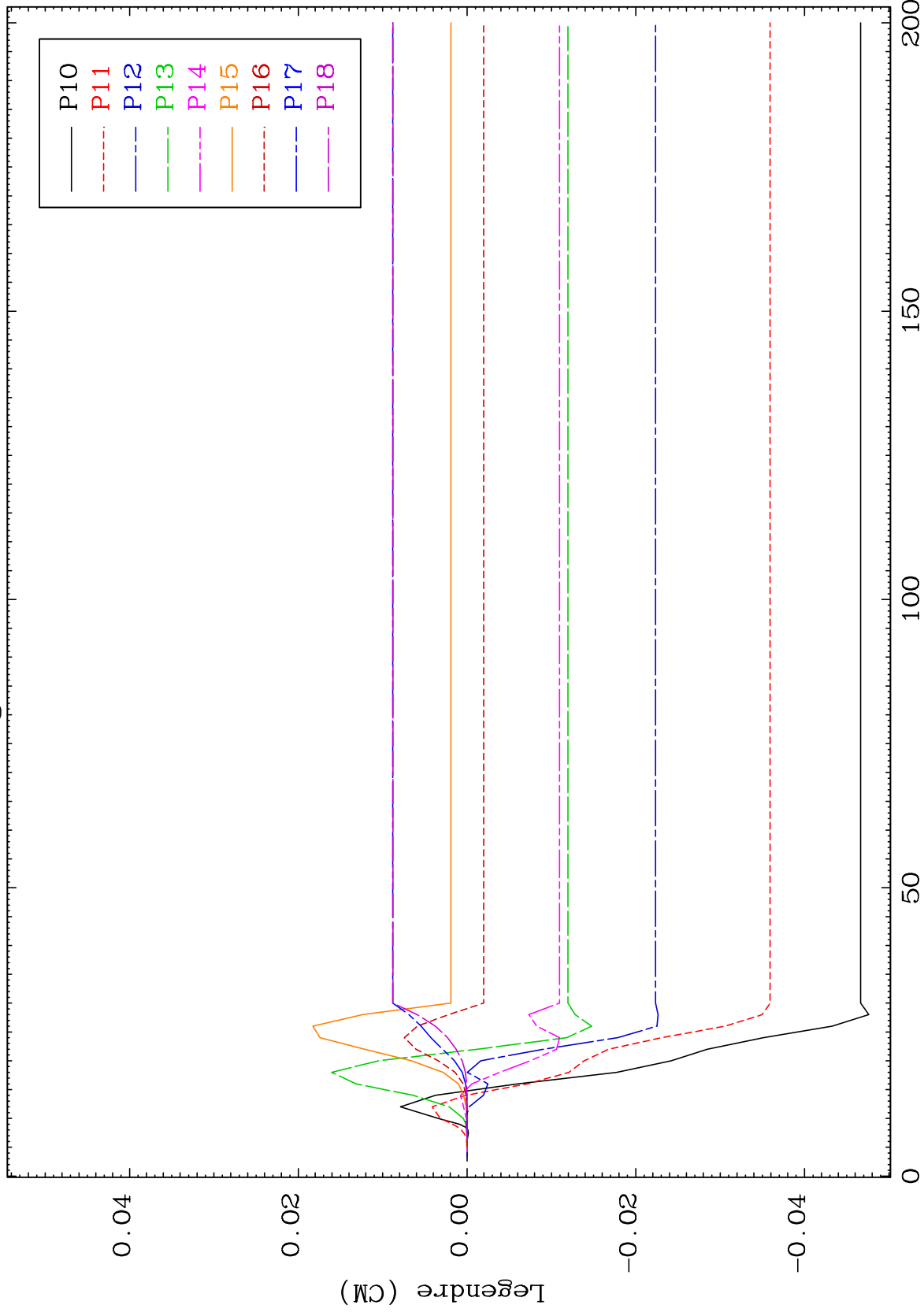
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



84

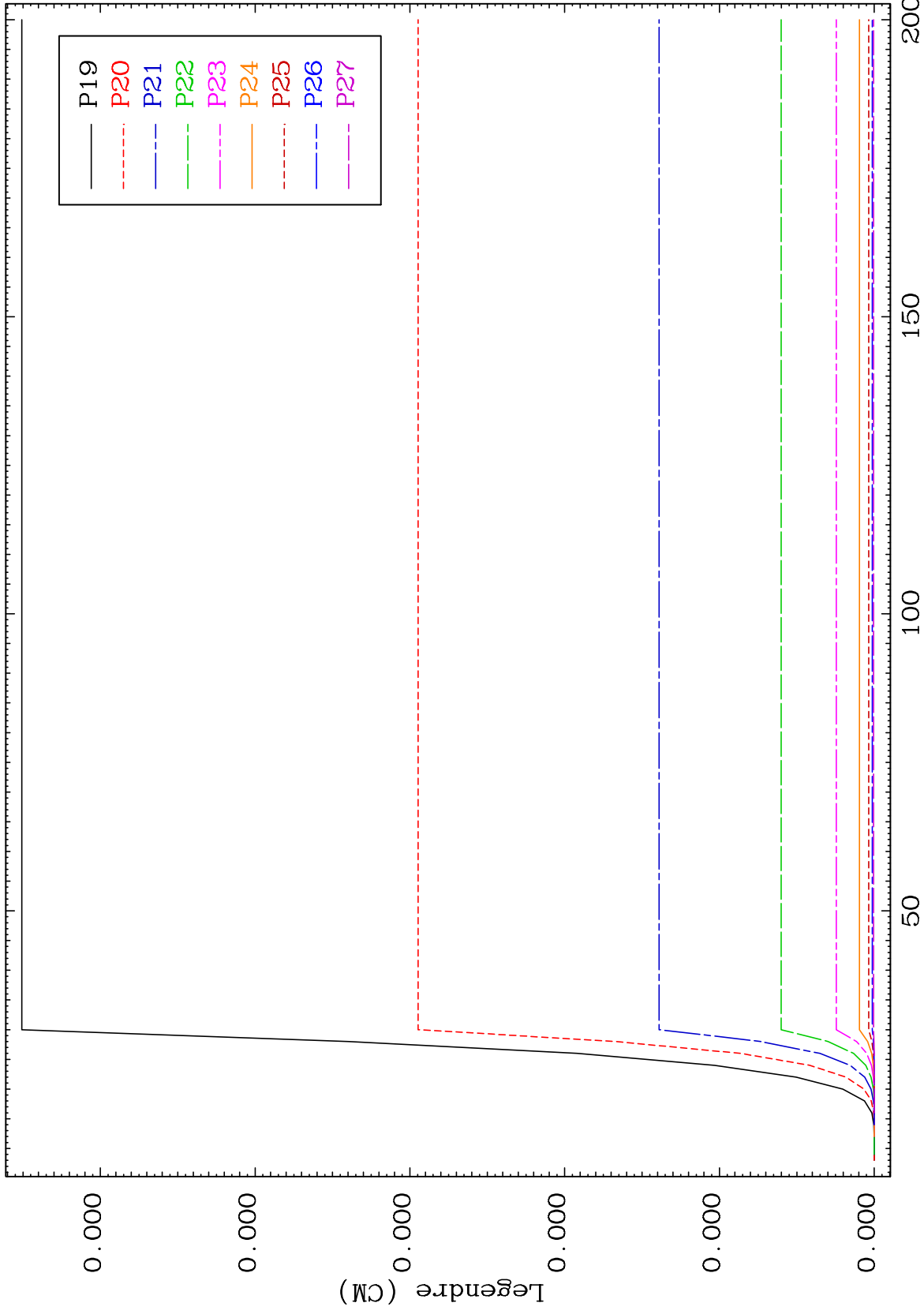
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



85

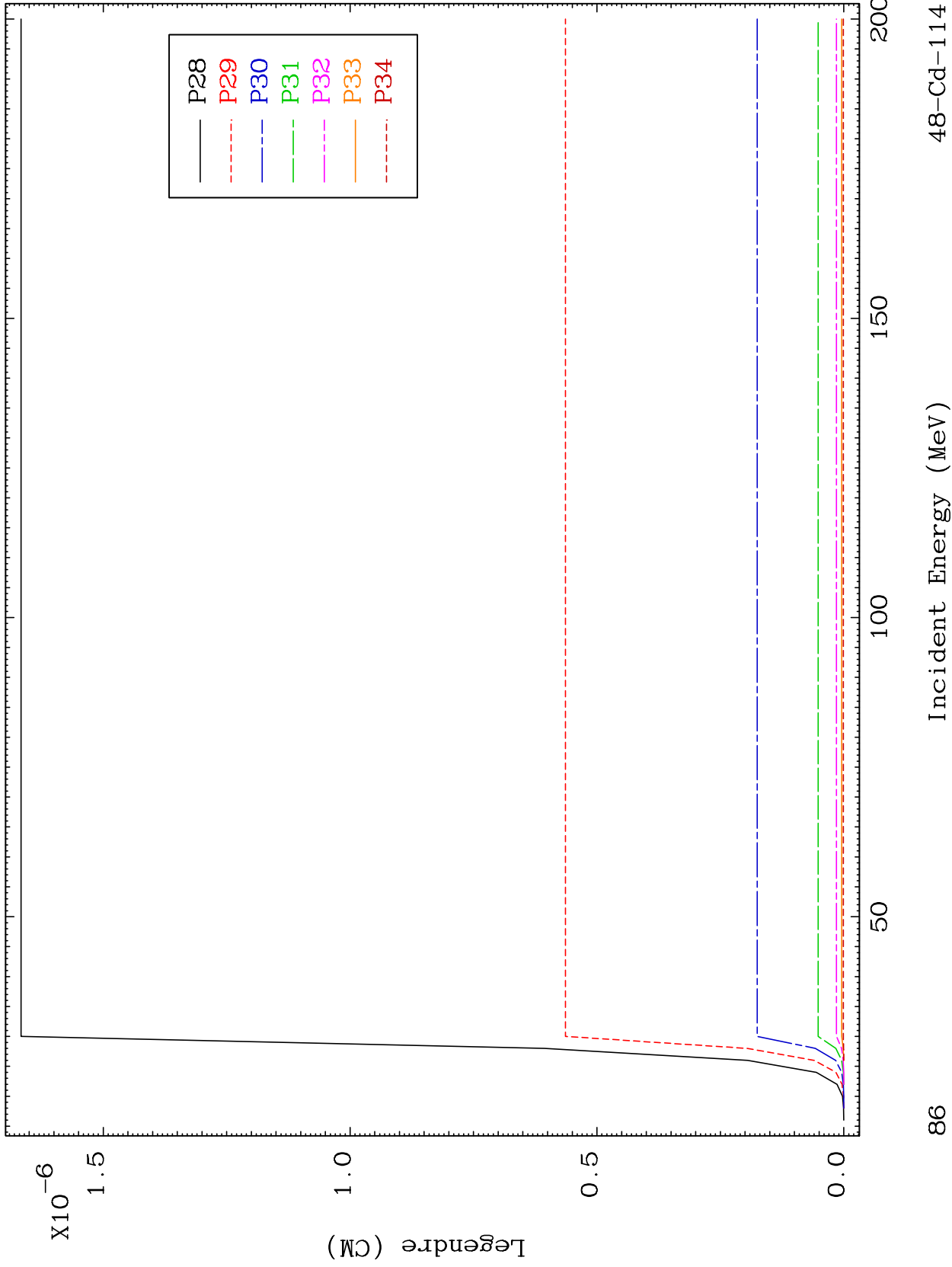
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

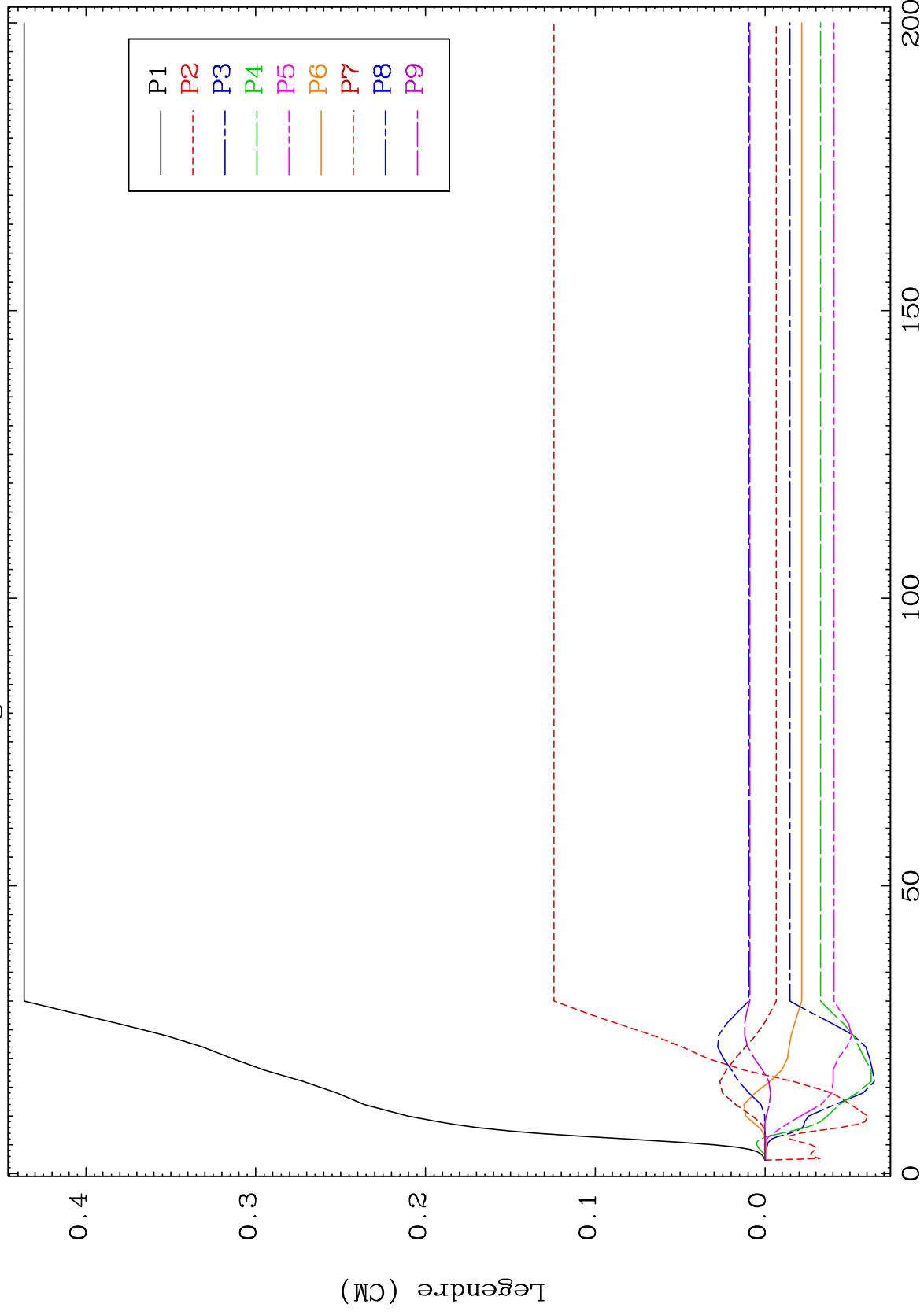
48-Cd-114



MAT 4849

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

48-Cd-114



87

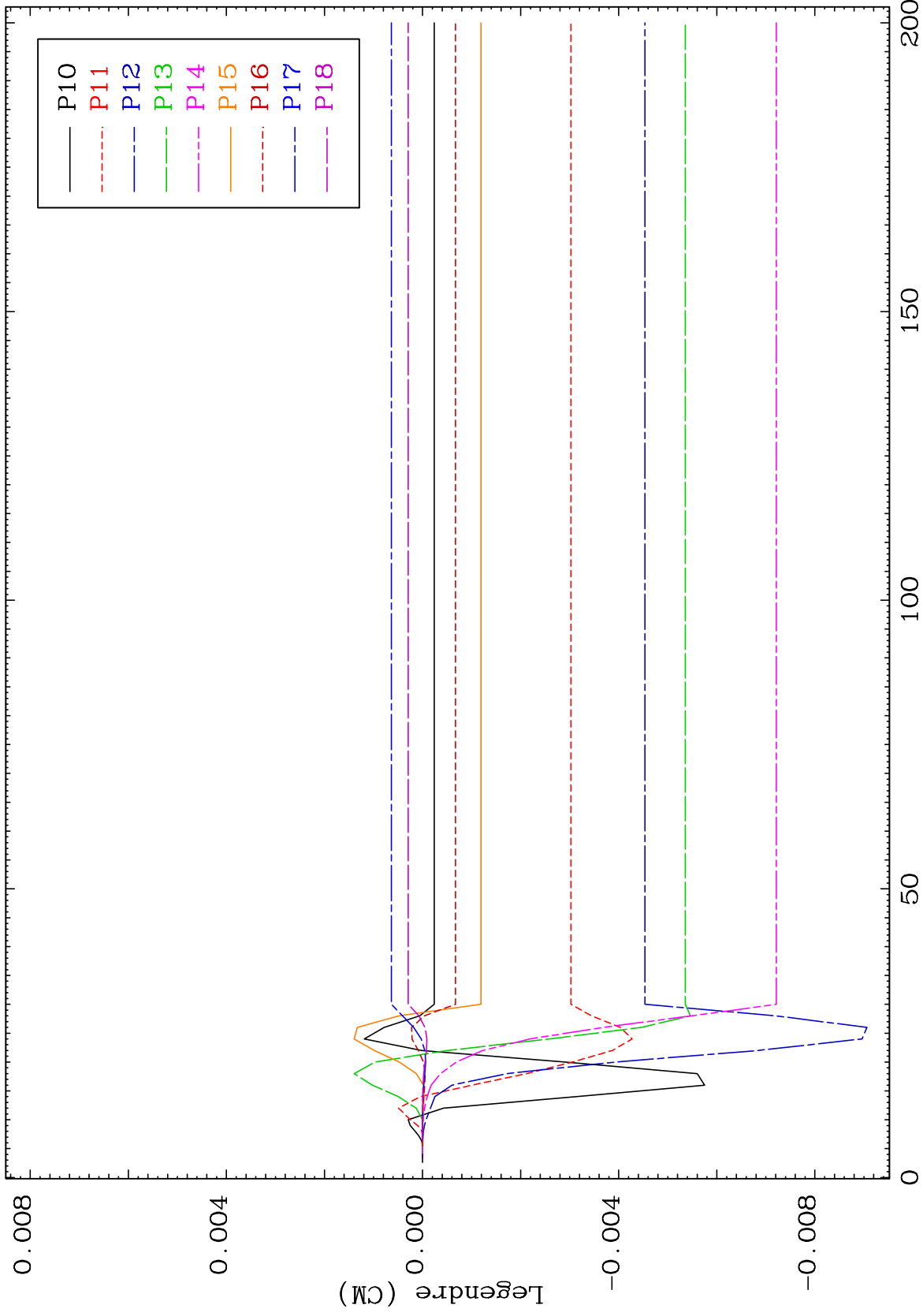
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



88

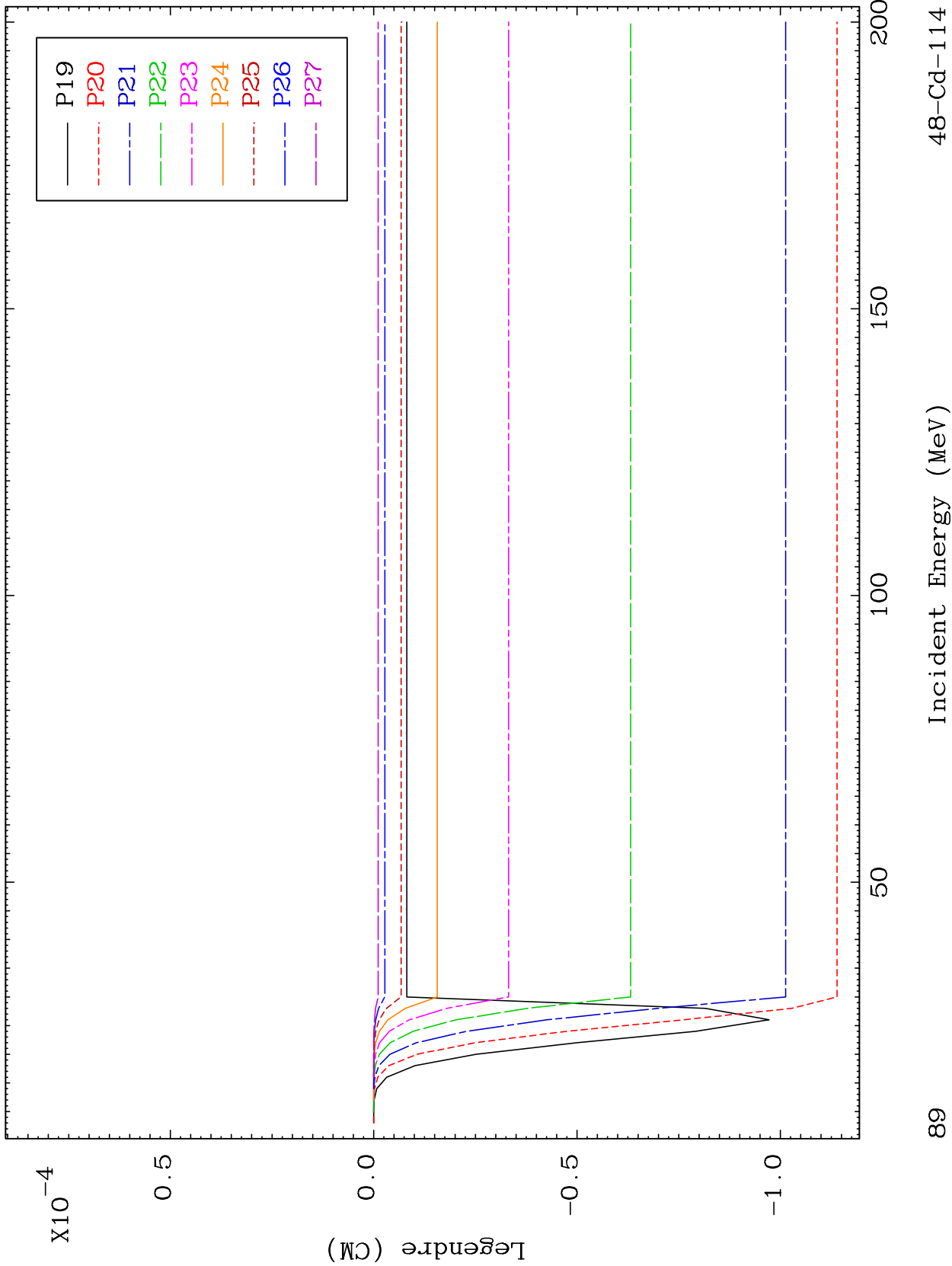
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



89

Incident Energy (MeV)

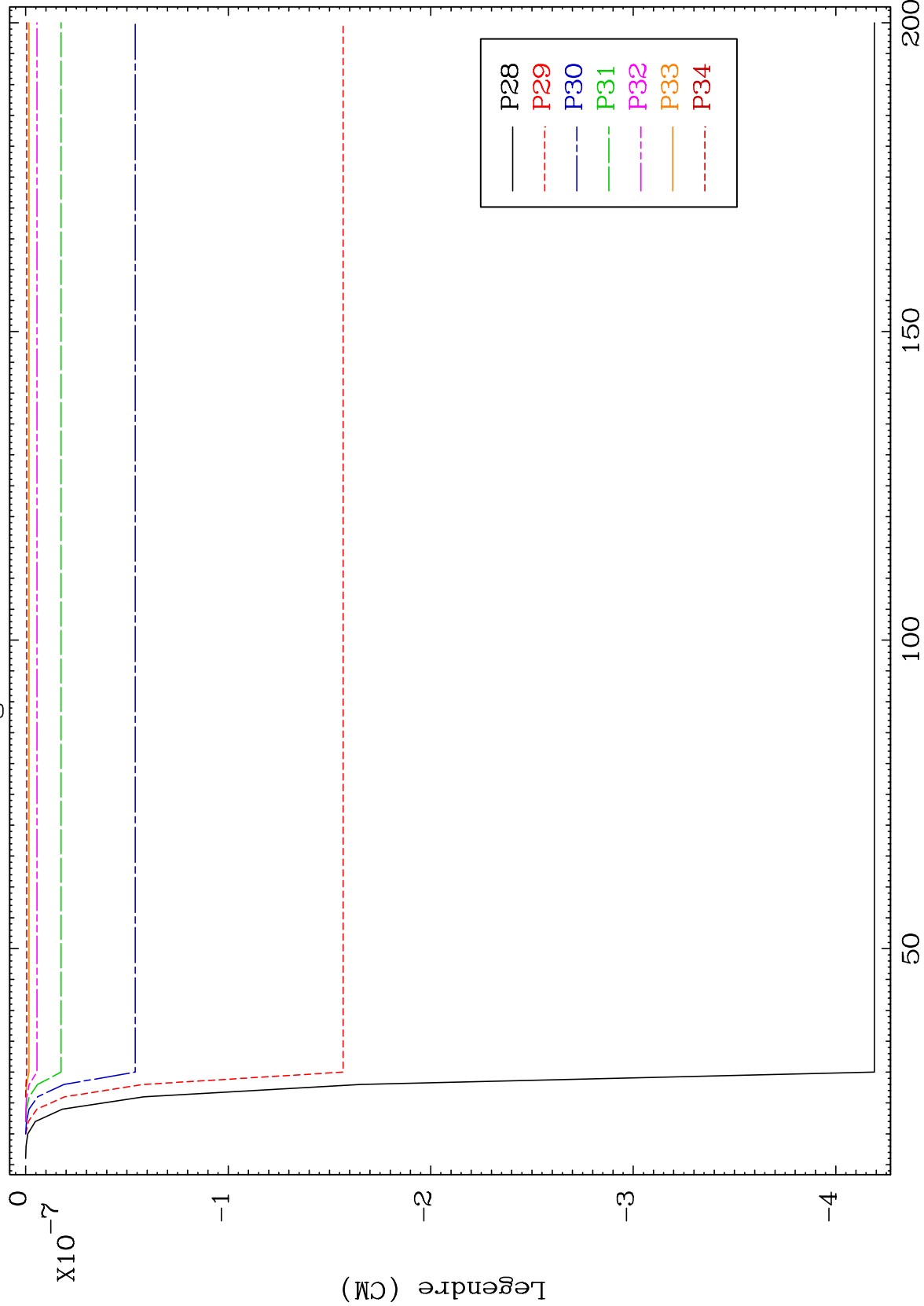
48-Cd-114

MAT 4849

MT= 69 (n,n') Level

48-Cd-114

Legendre Coefficients



90

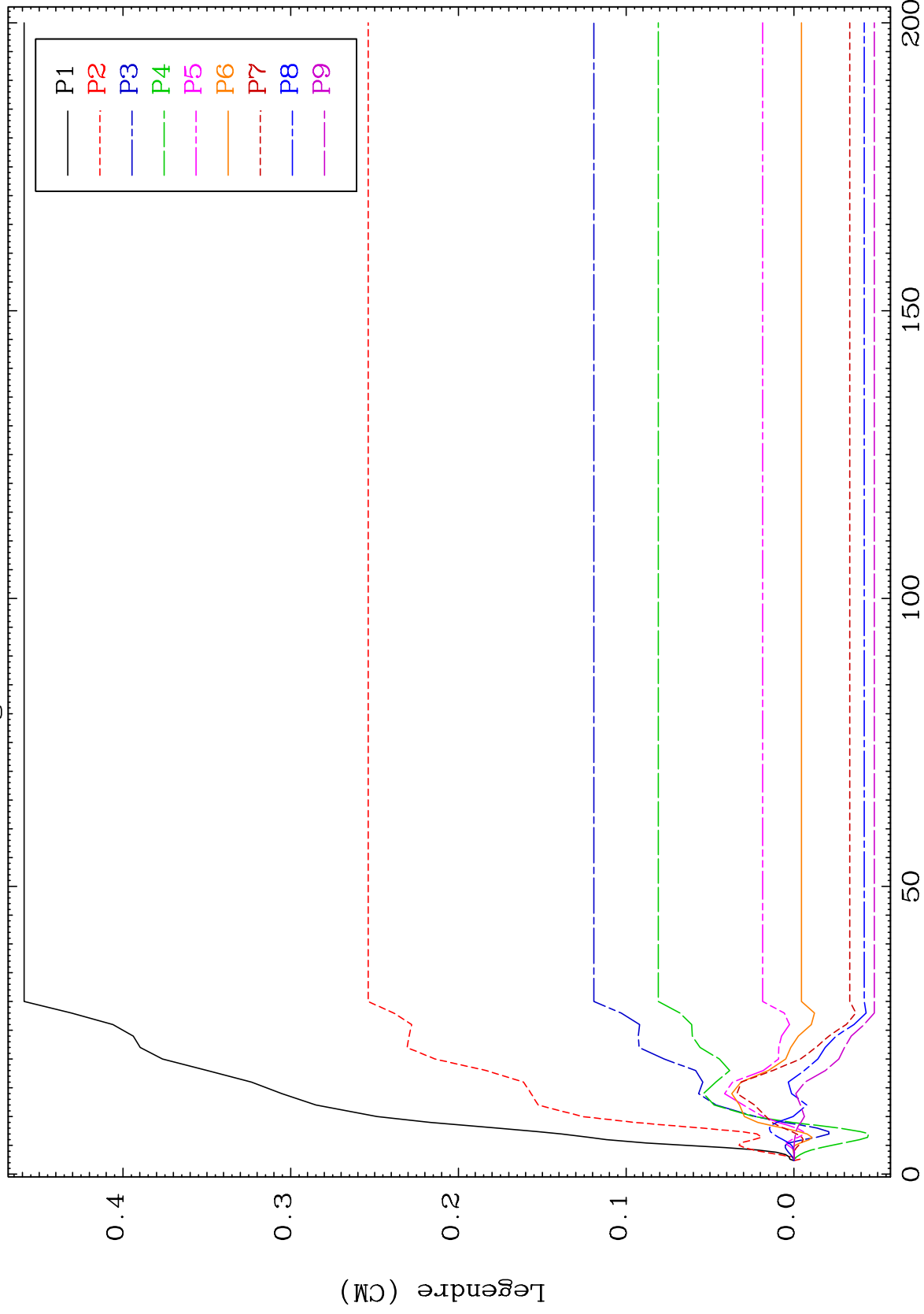
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



91

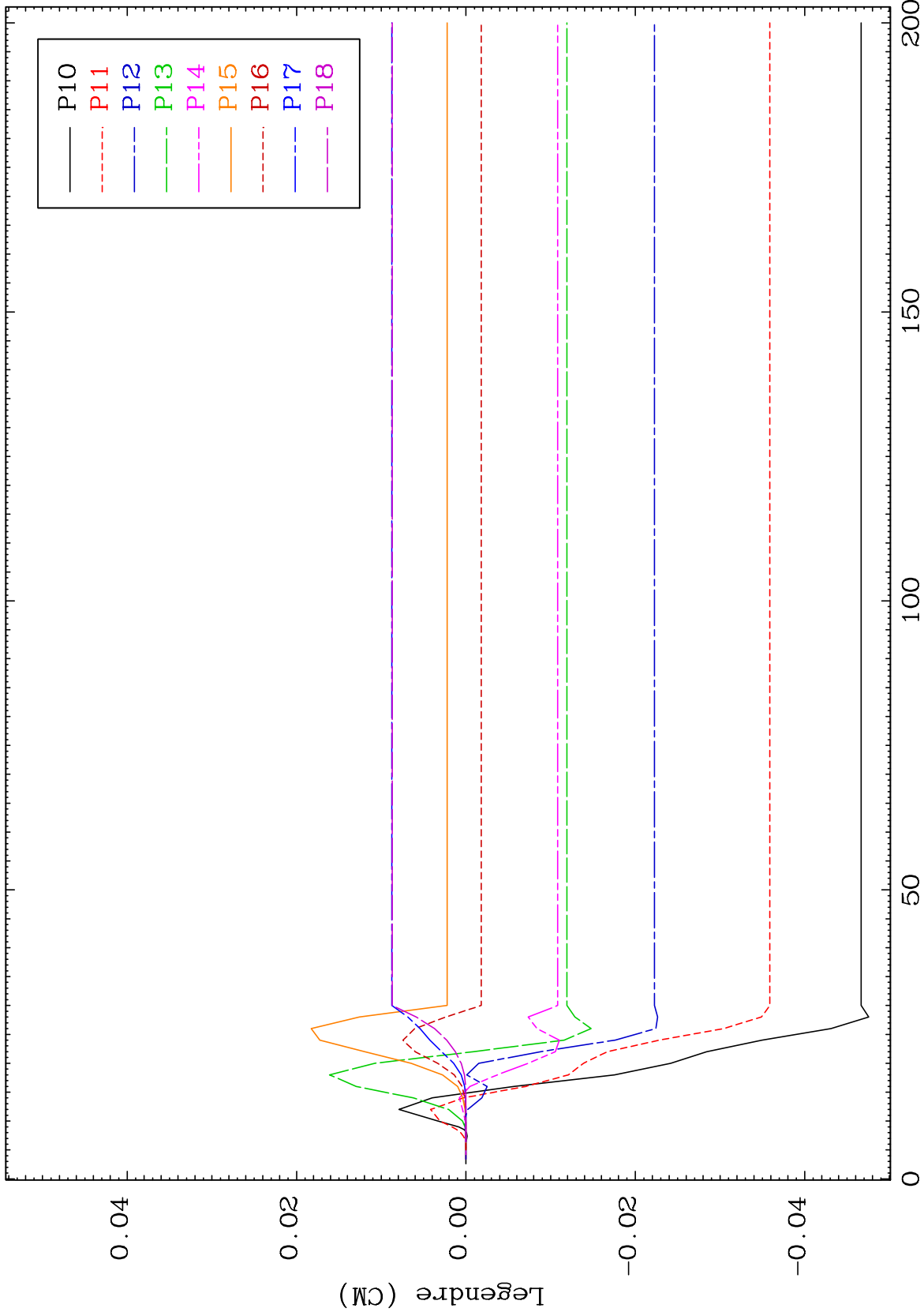
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



92

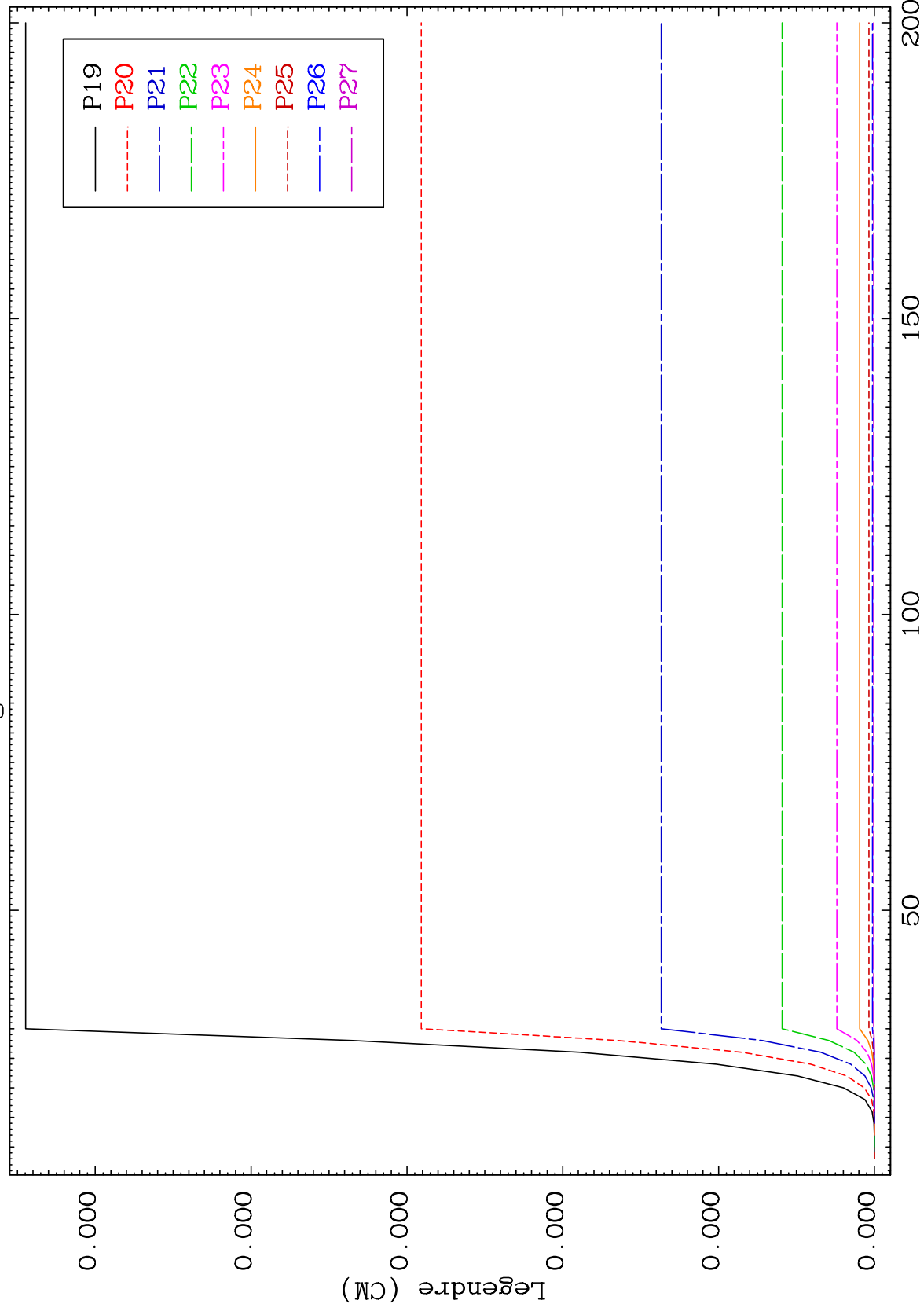
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

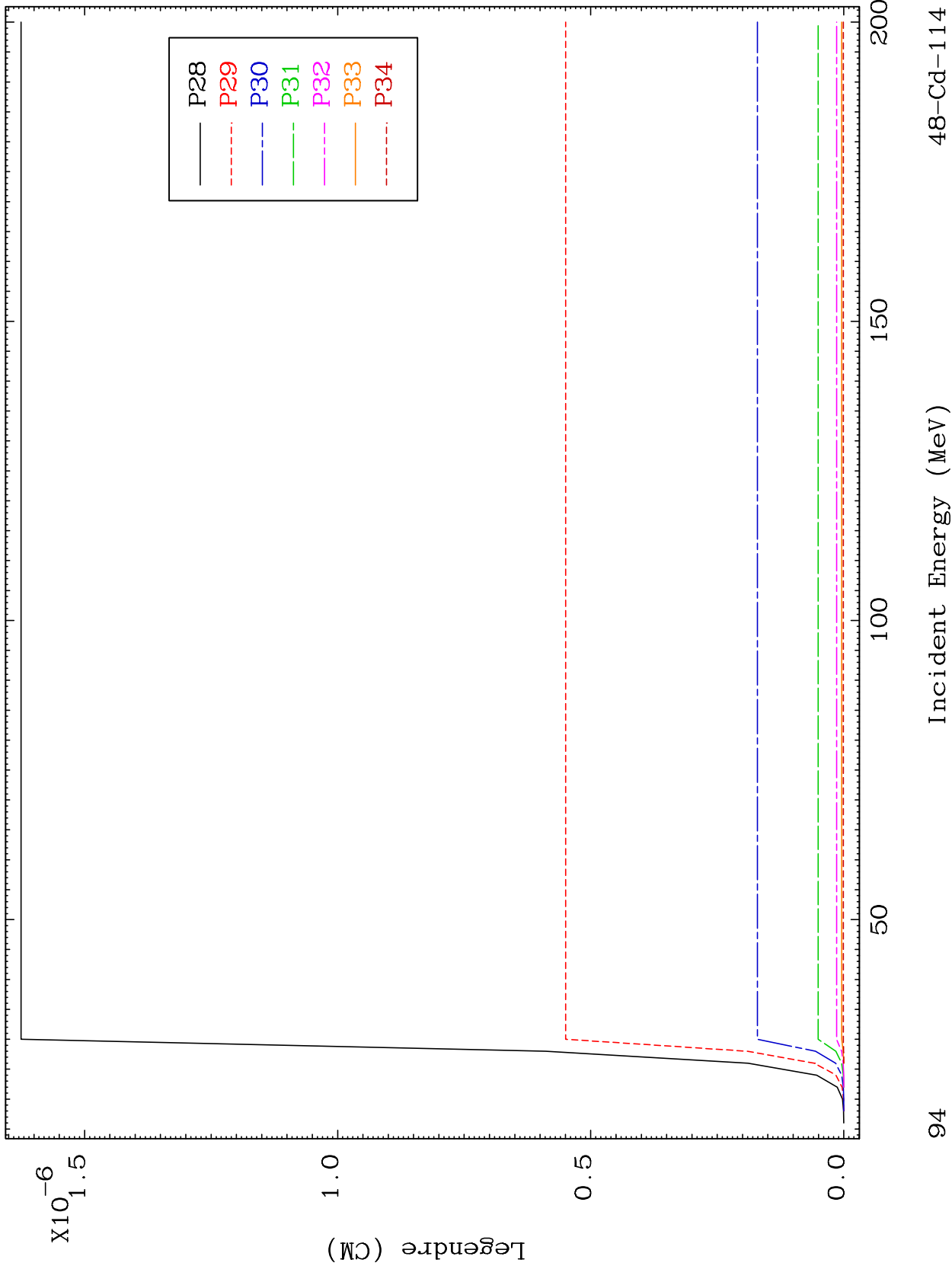
48-Cd-114



MAT 4849

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

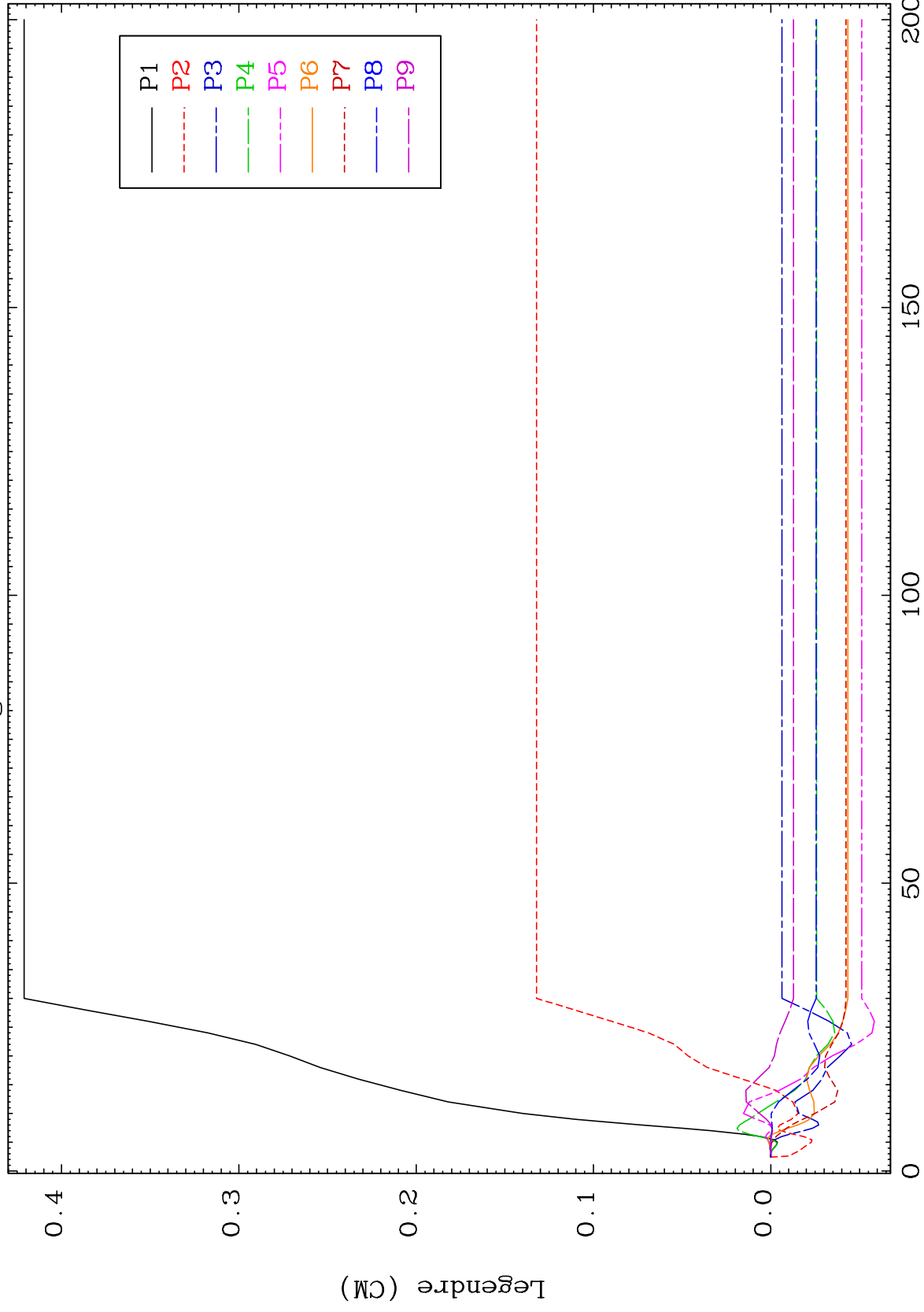
48-Cd-114



MAT 4849

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

48-Cd-114



95

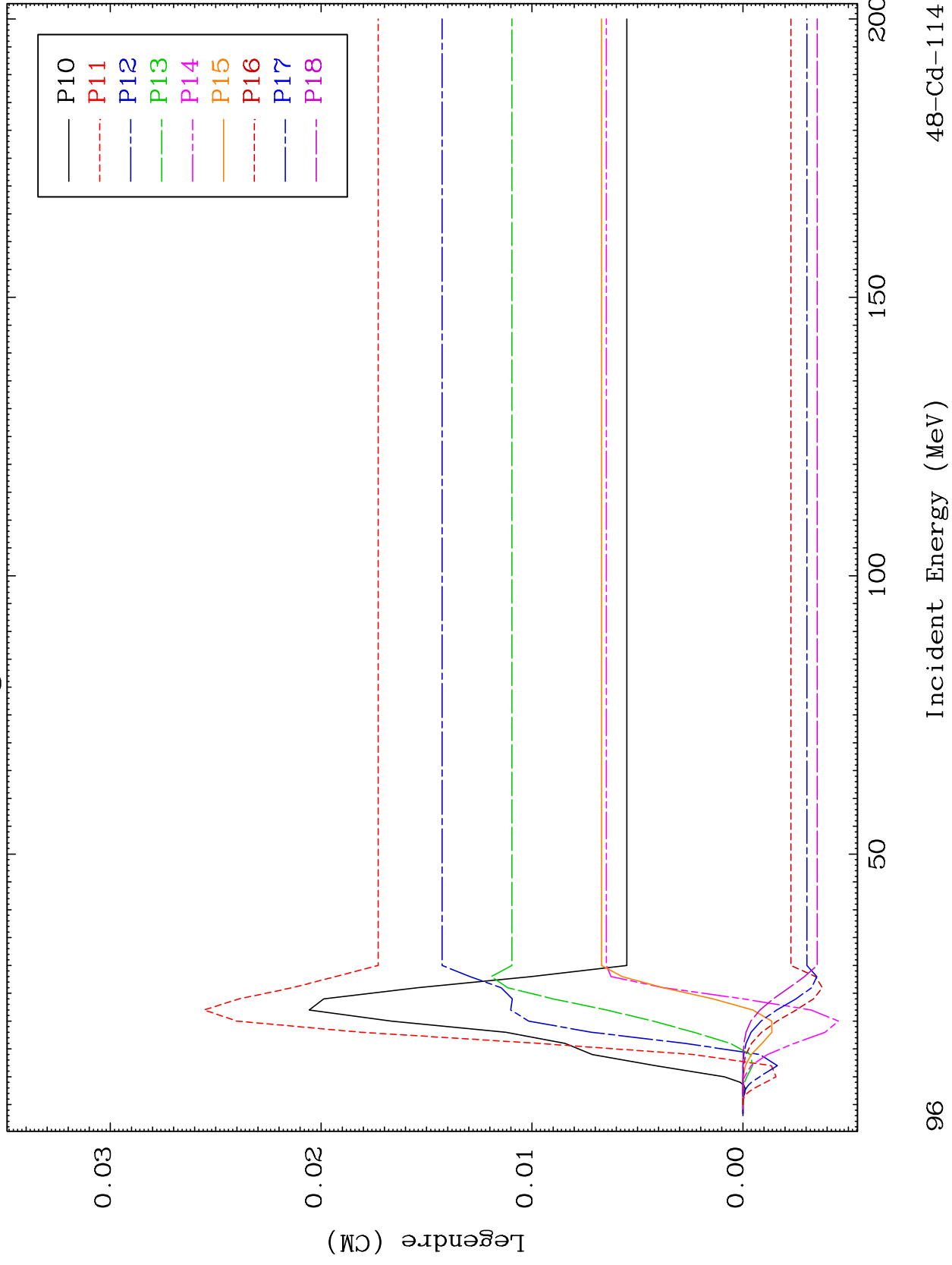
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



96

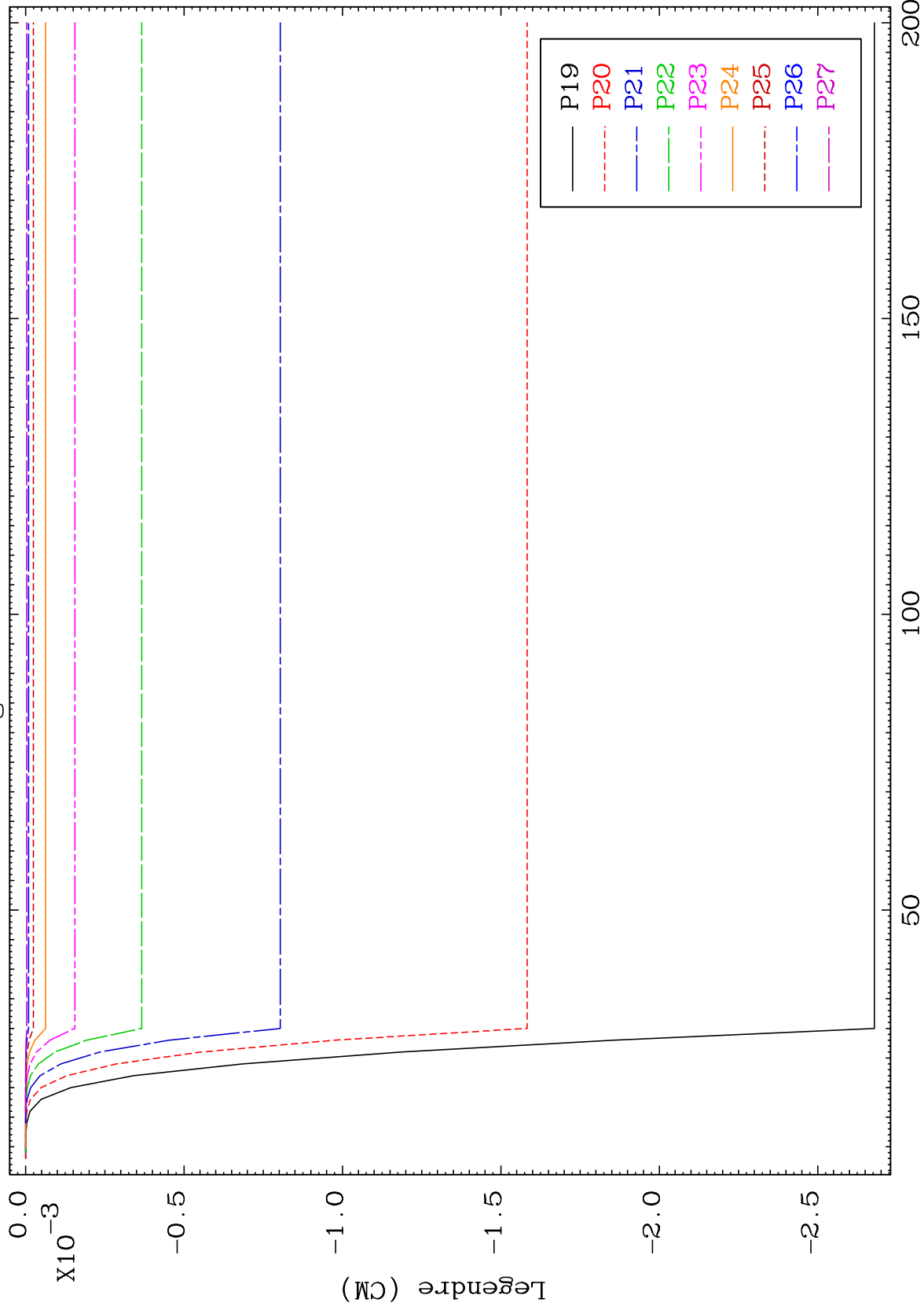
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

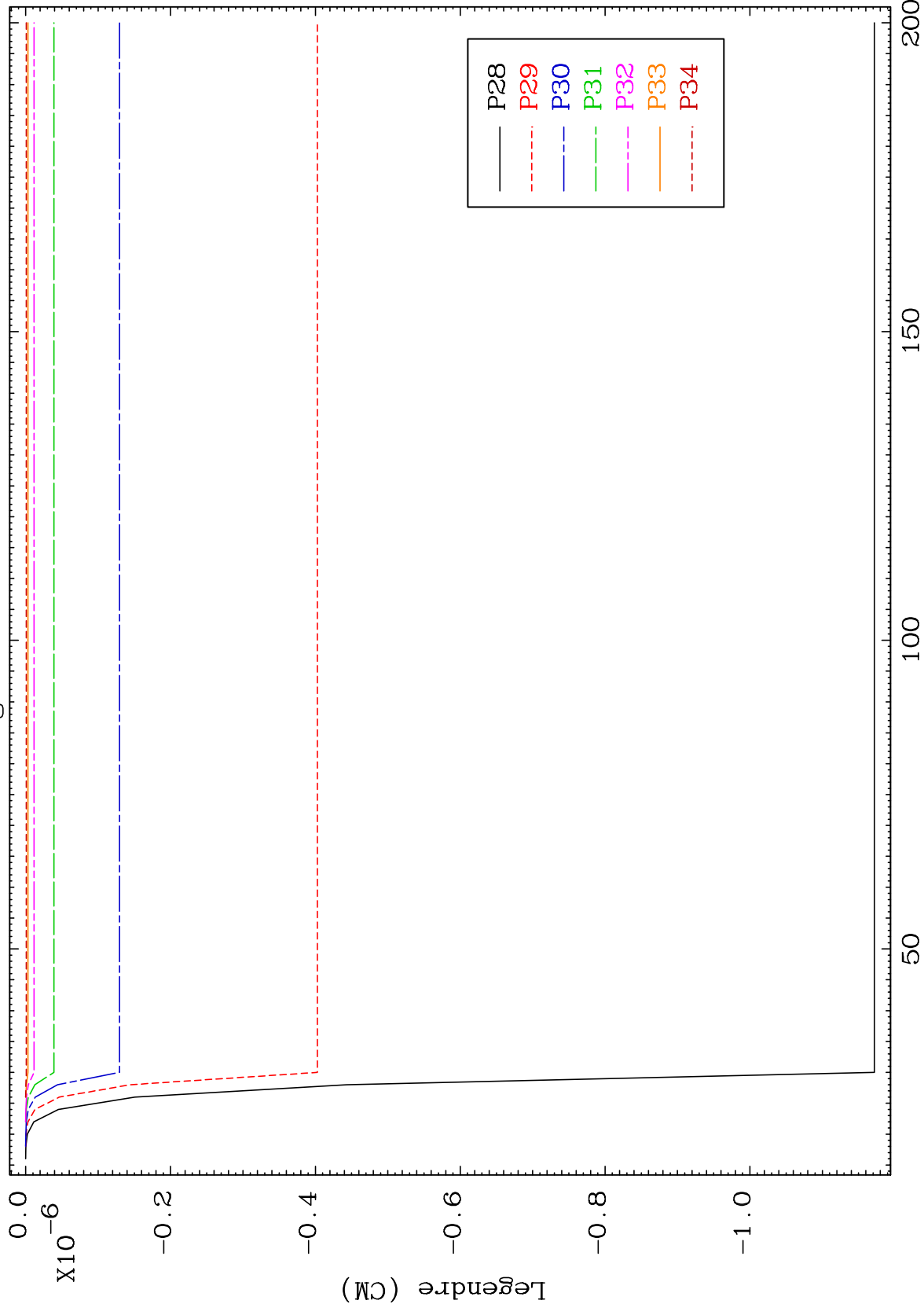
48-Cd-114



MAT 4849

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

48-Cd-114



98

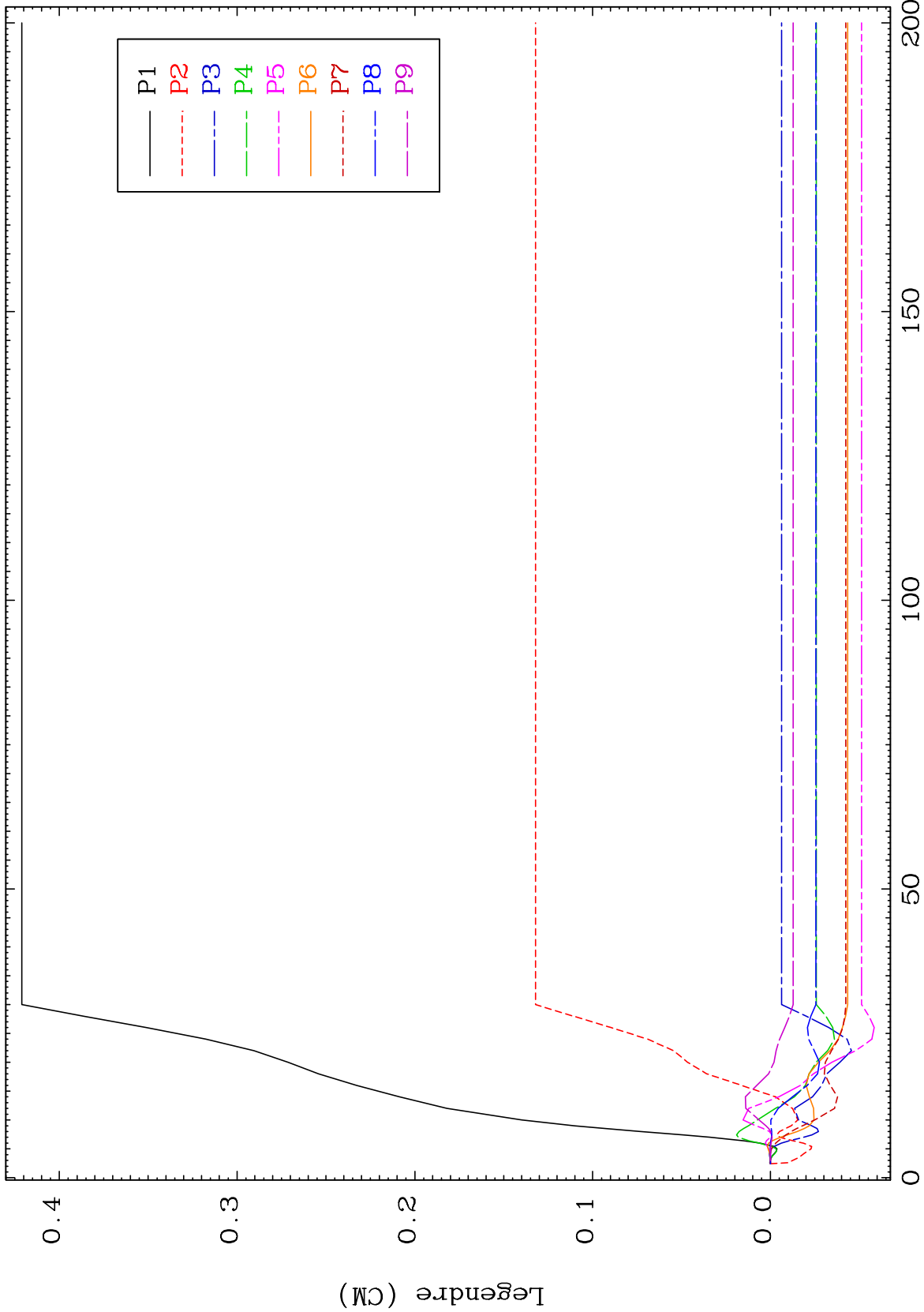
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



99

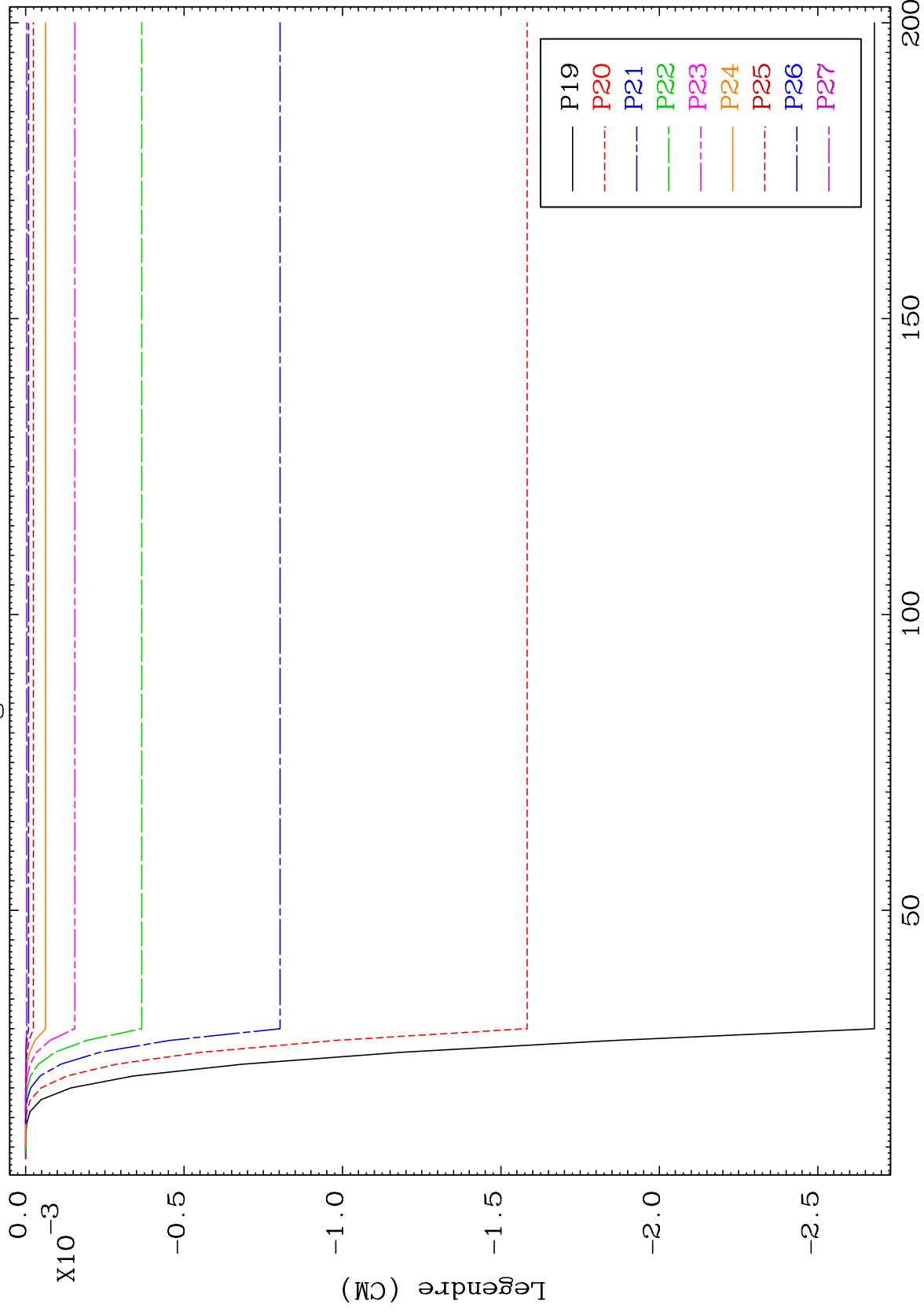
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

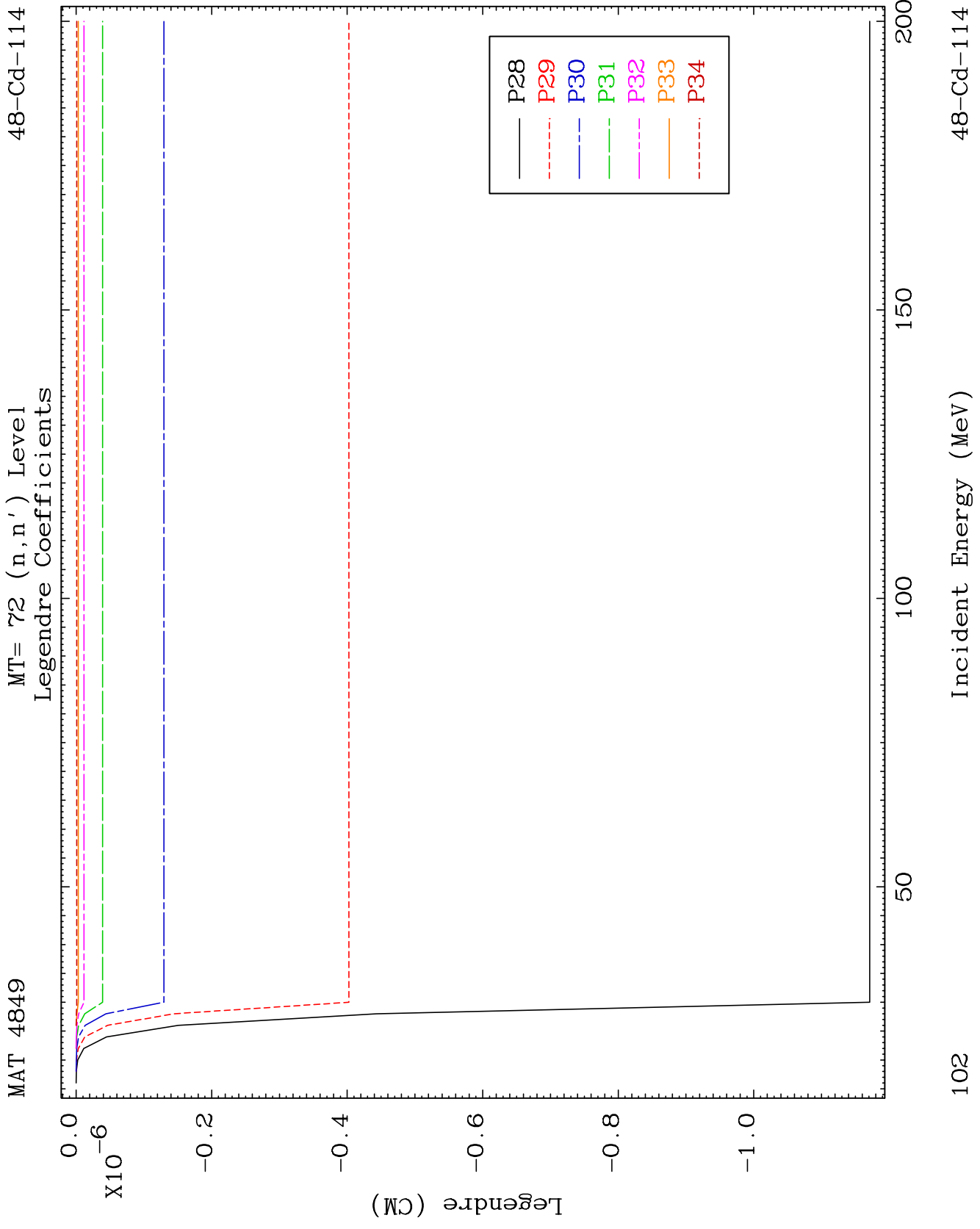
48-Cd-114



101

Incident Energy (MeV)

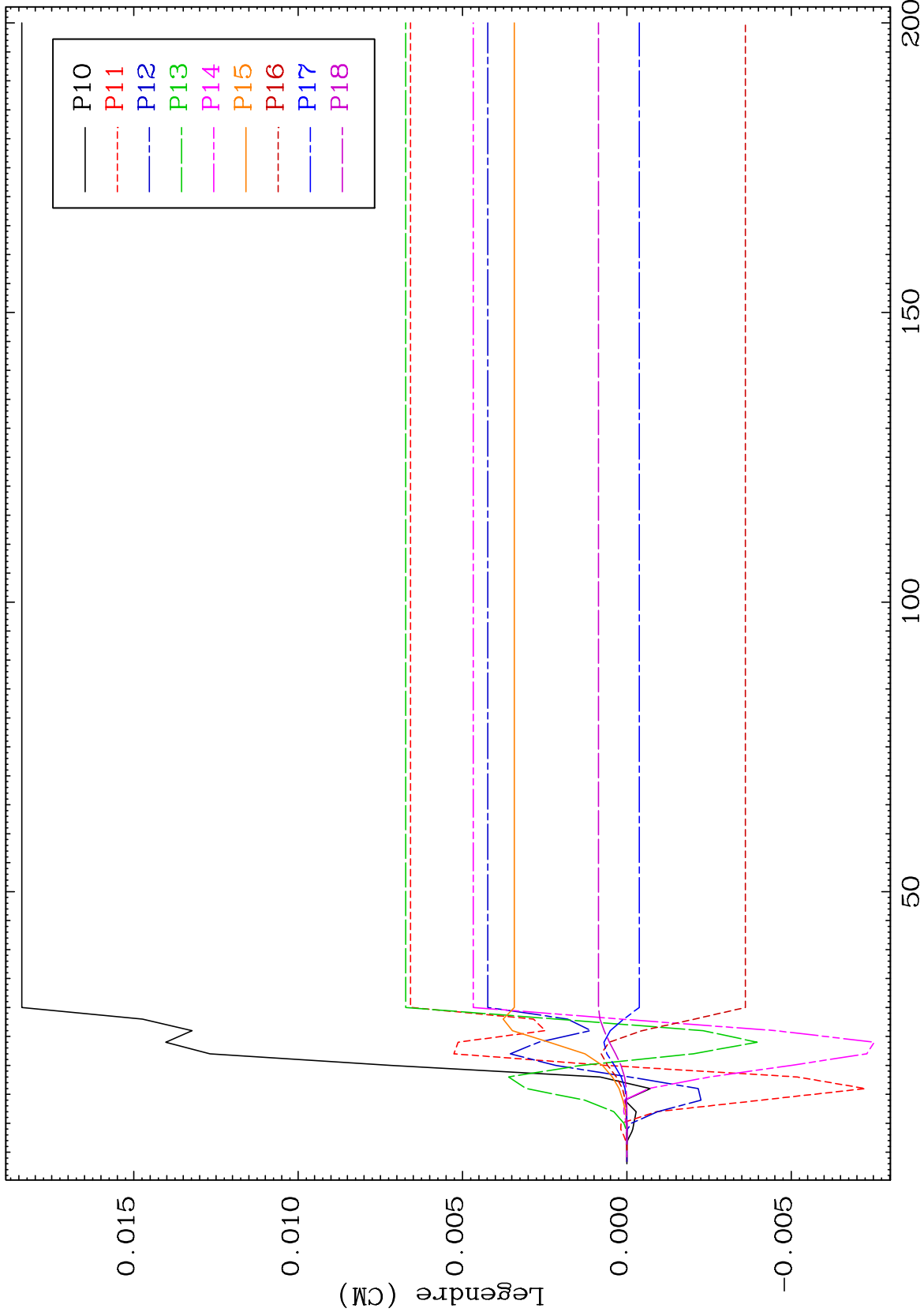
48-Cd-114



MAT 4849

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

48-Cd-114



104

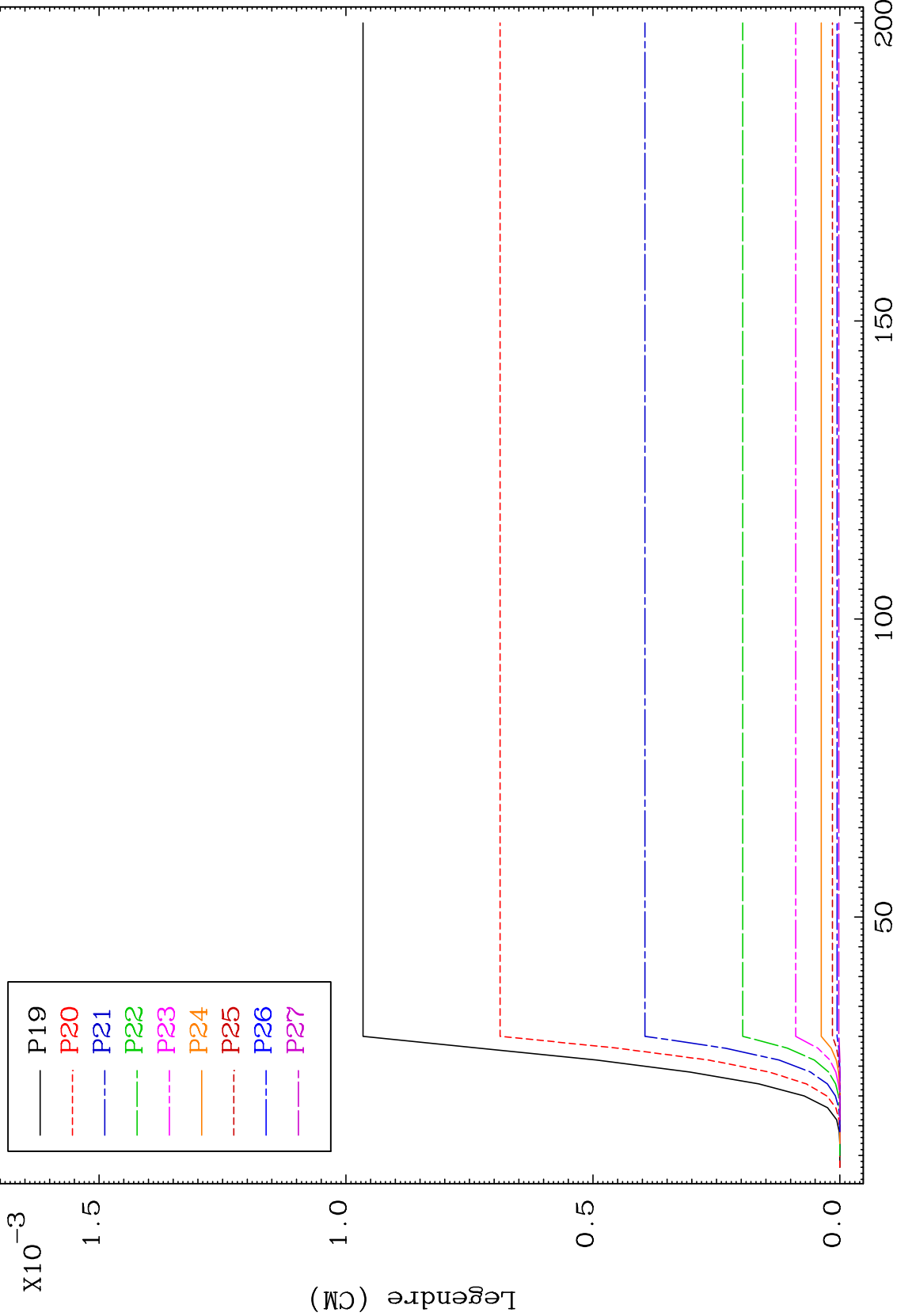
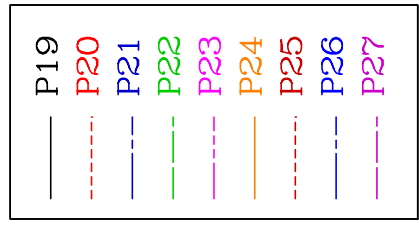
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



105

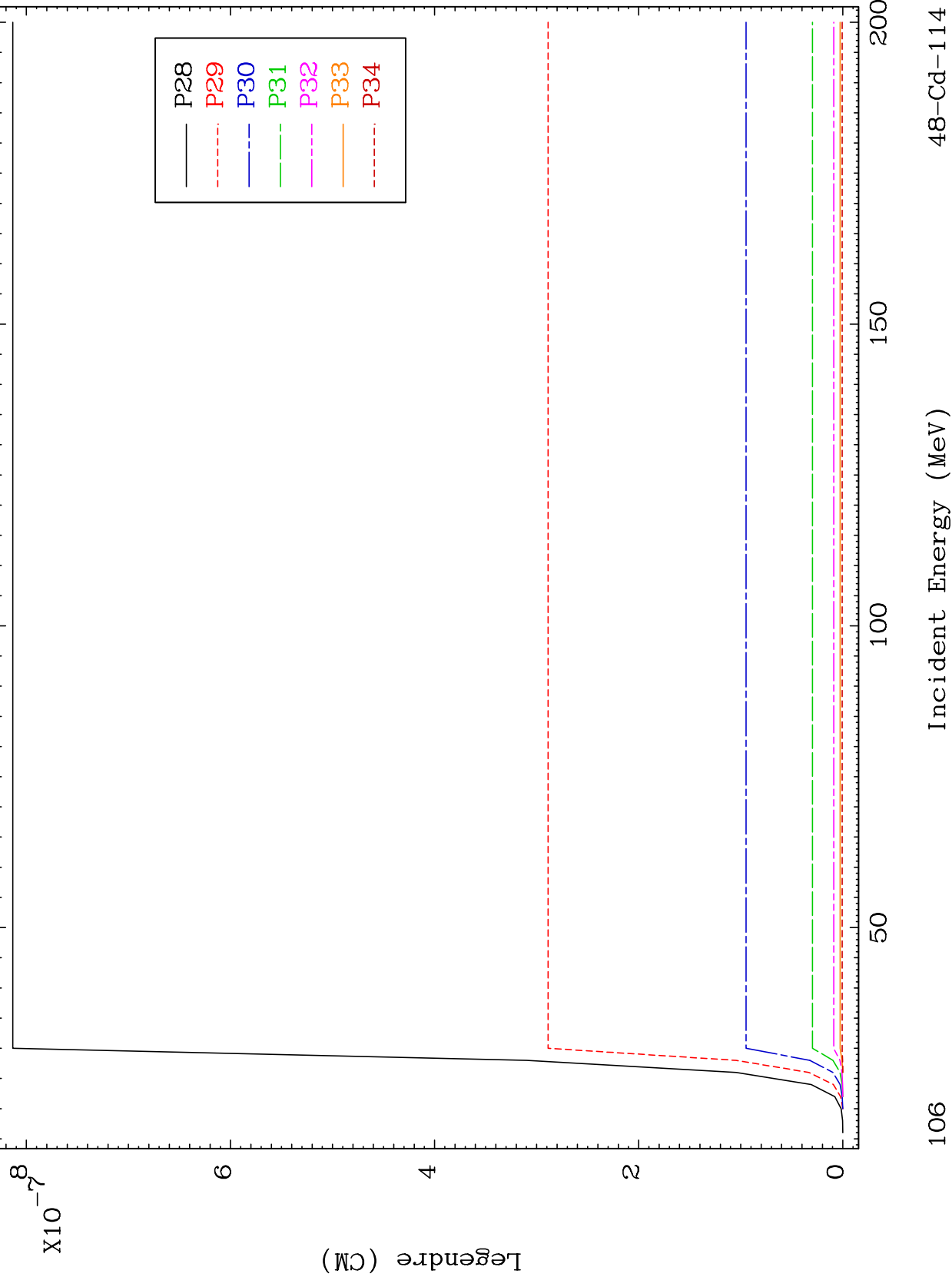
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

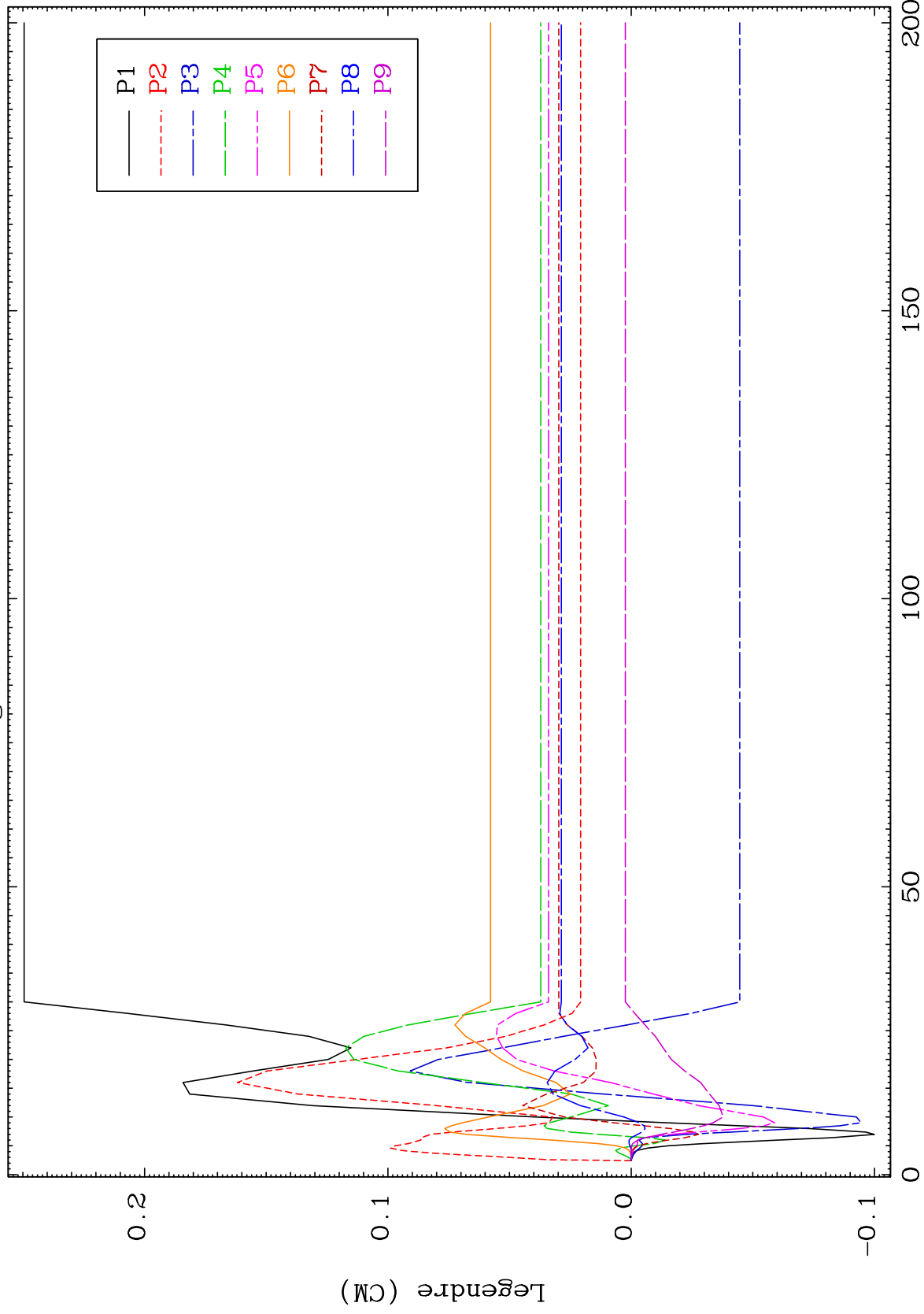
48-Cd-114



MAT 4849

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

48-Cd-114



107

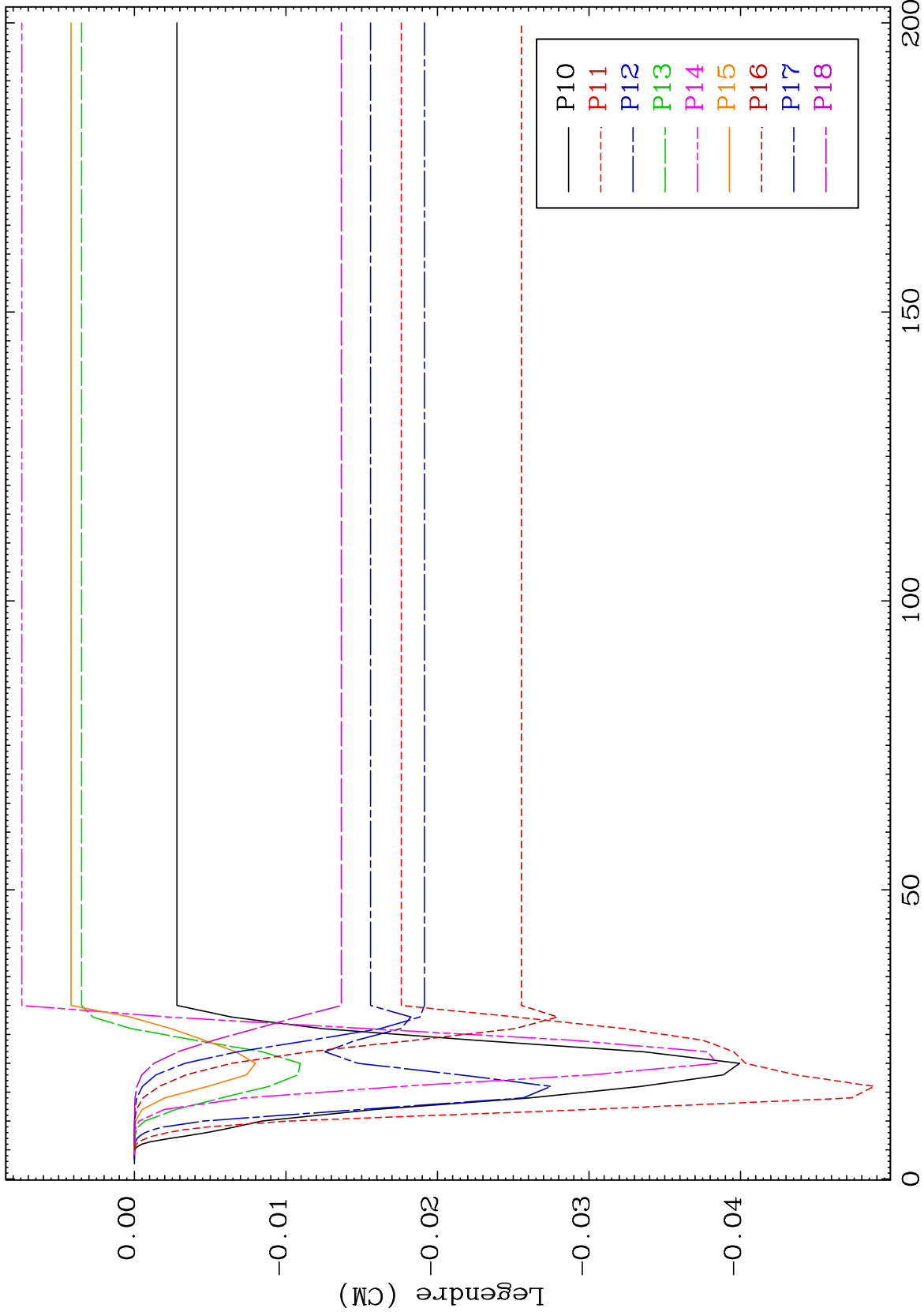
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

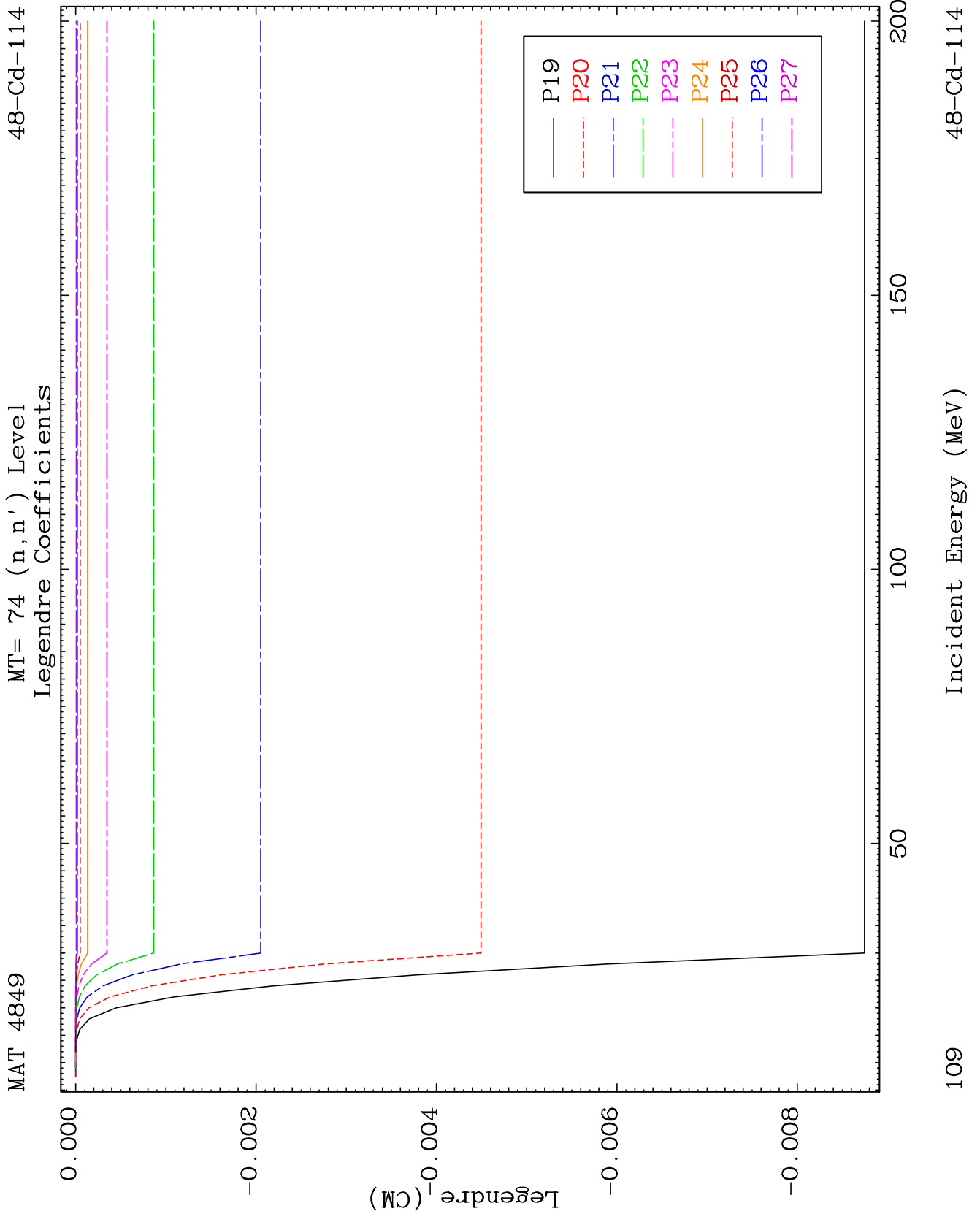
48-Cd-114

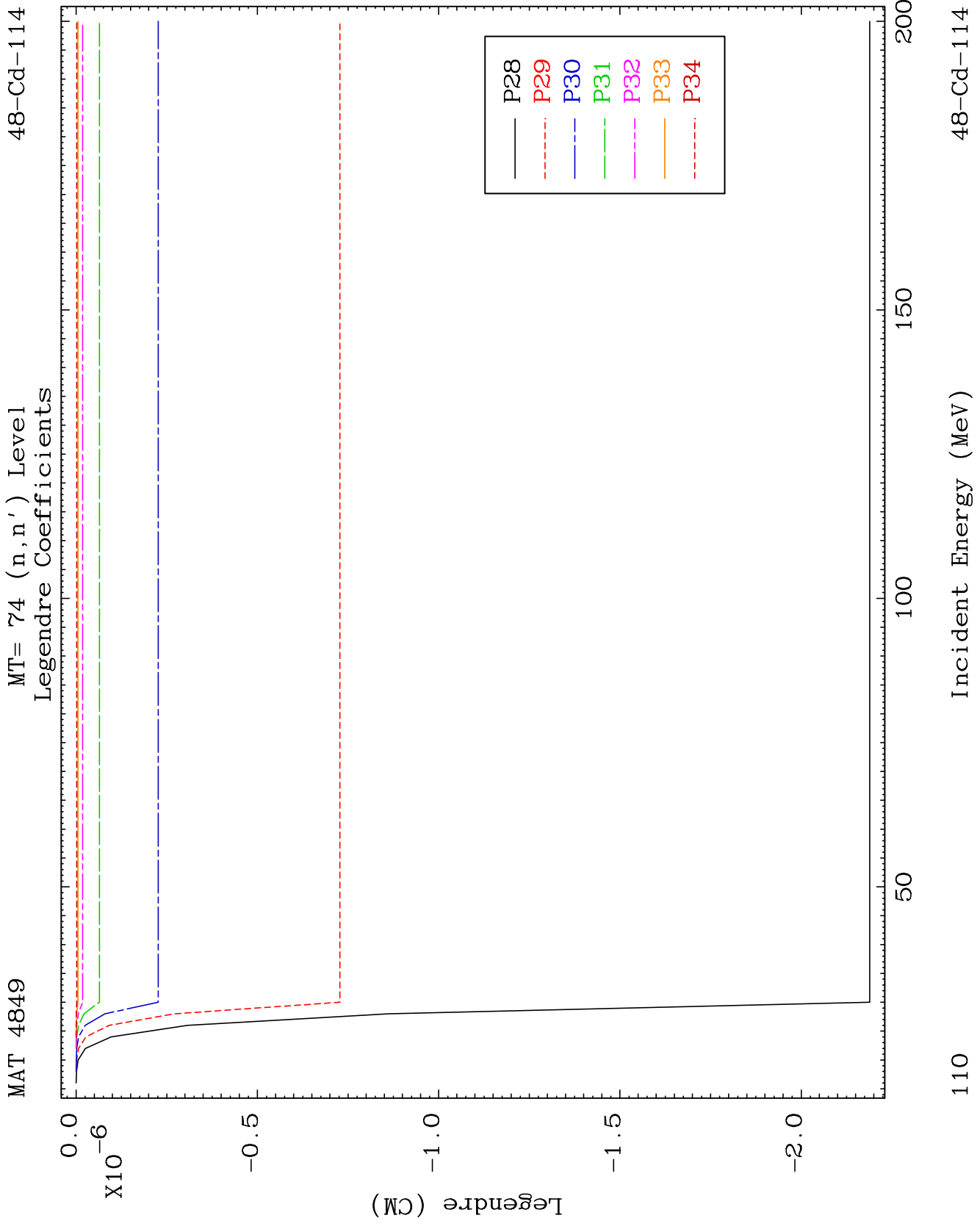


108

Incident Energy (MeV)

48-Cd-114

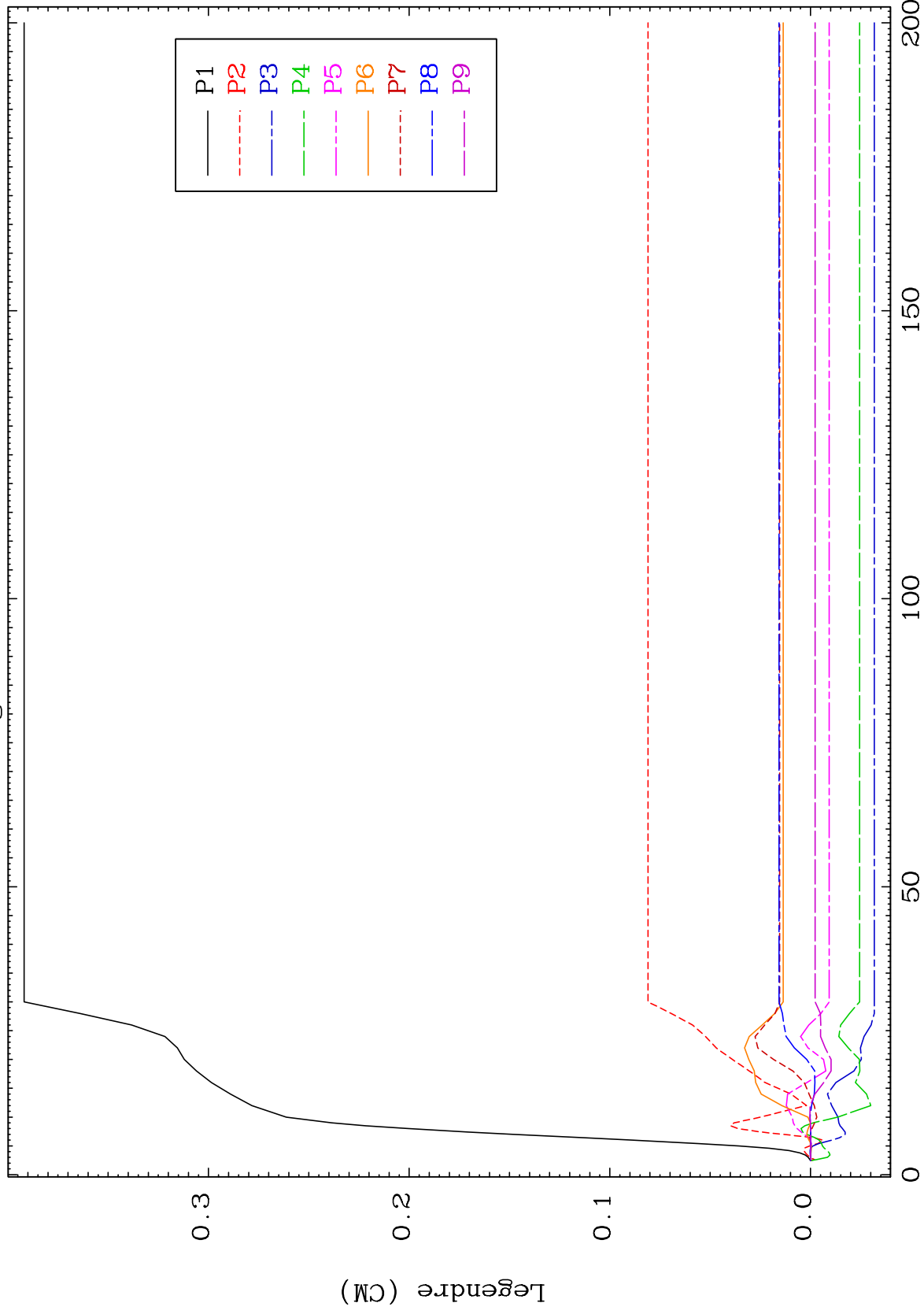




MAT 4849

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

48-Cd-114



111

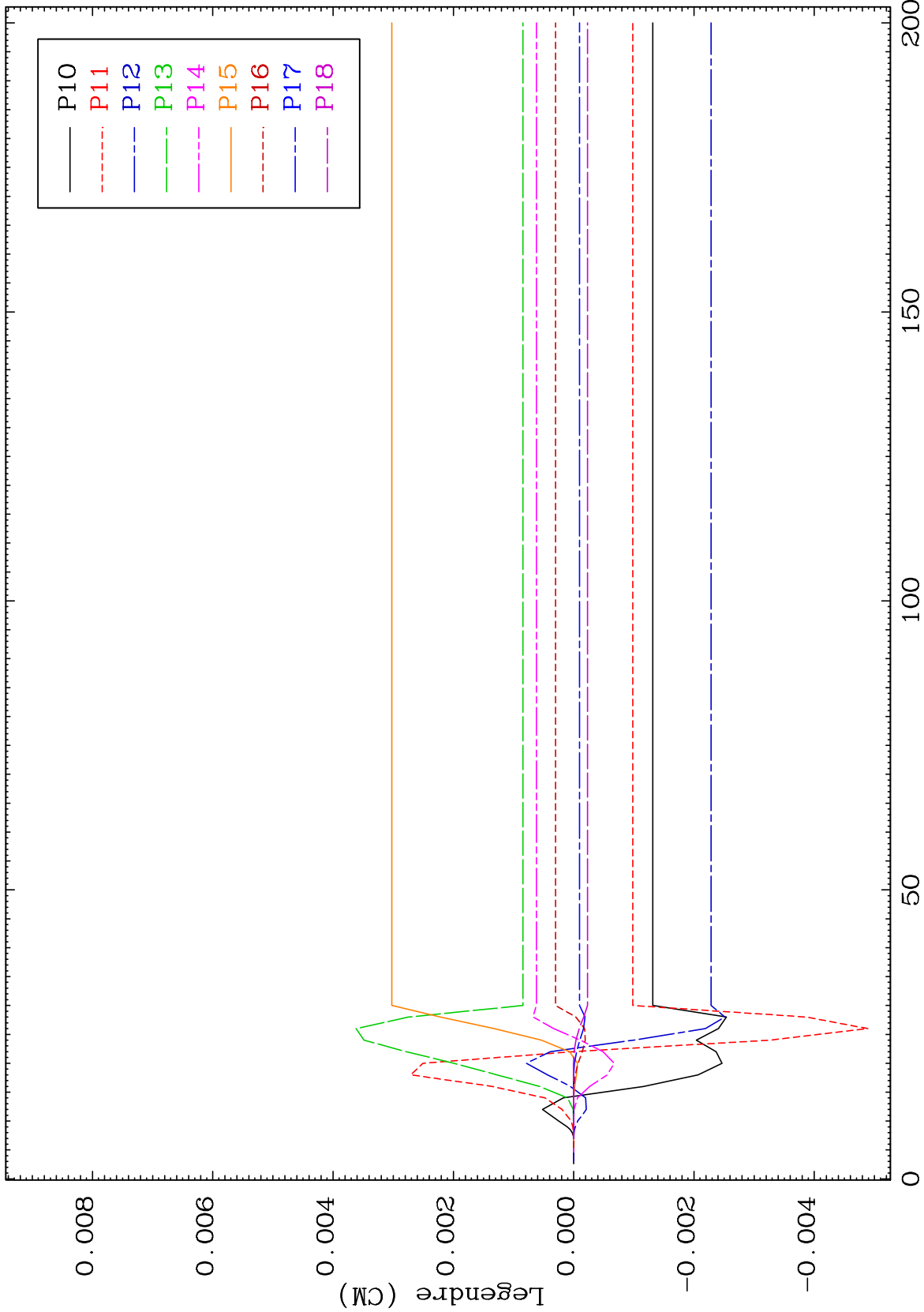
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



112

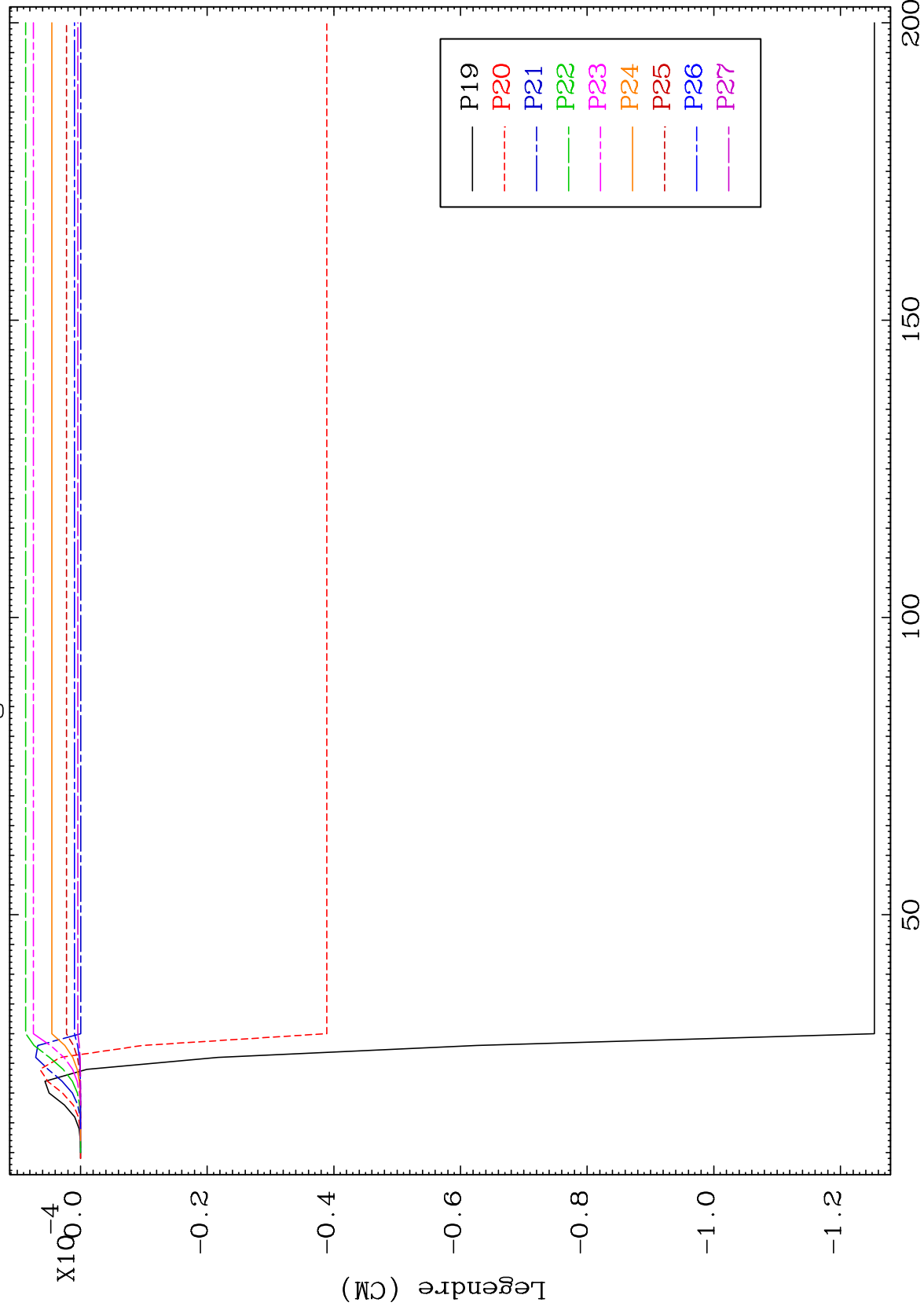
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



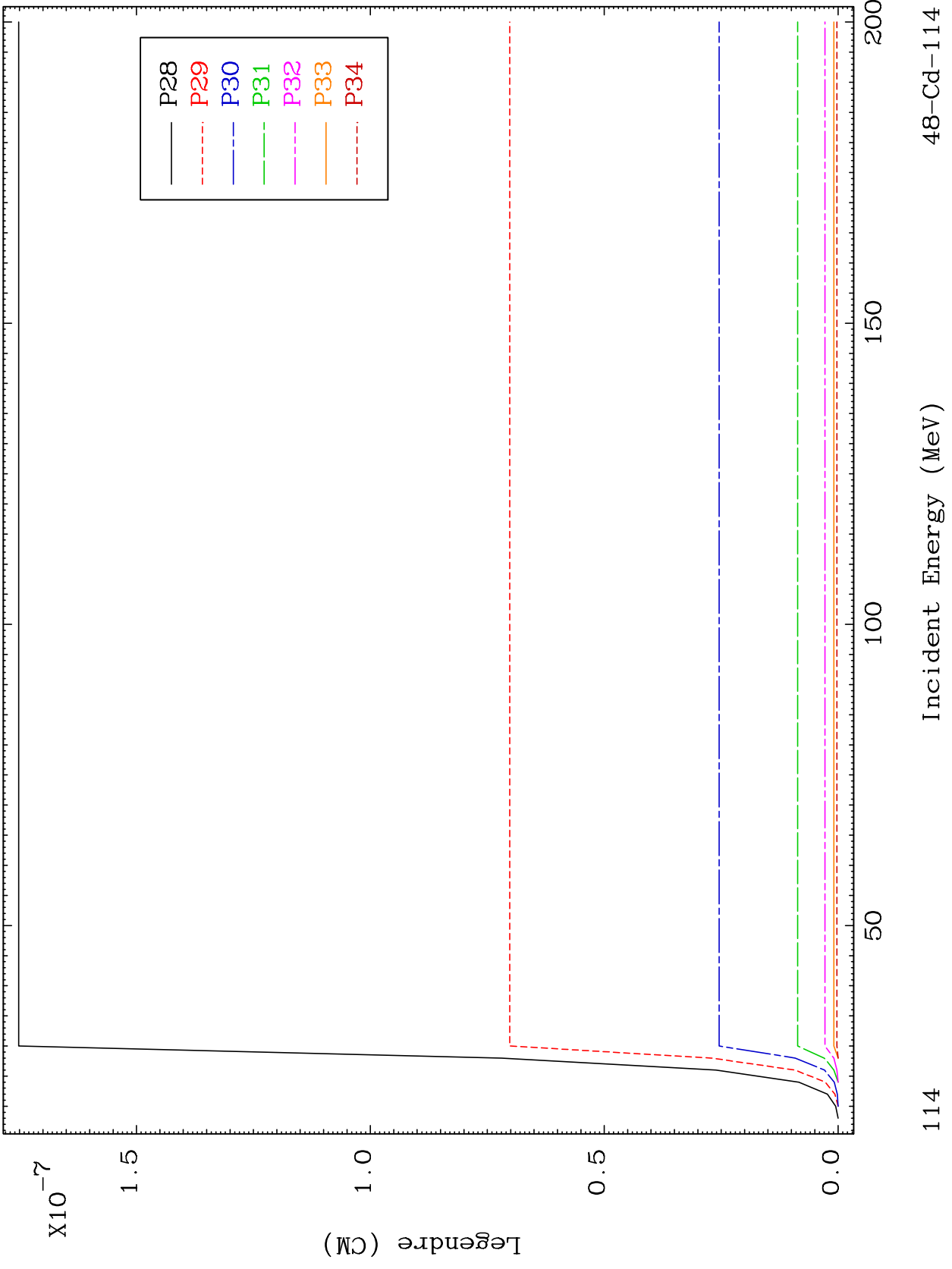
113

48-Cd-114

MAT 4849

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

48-Cd-114

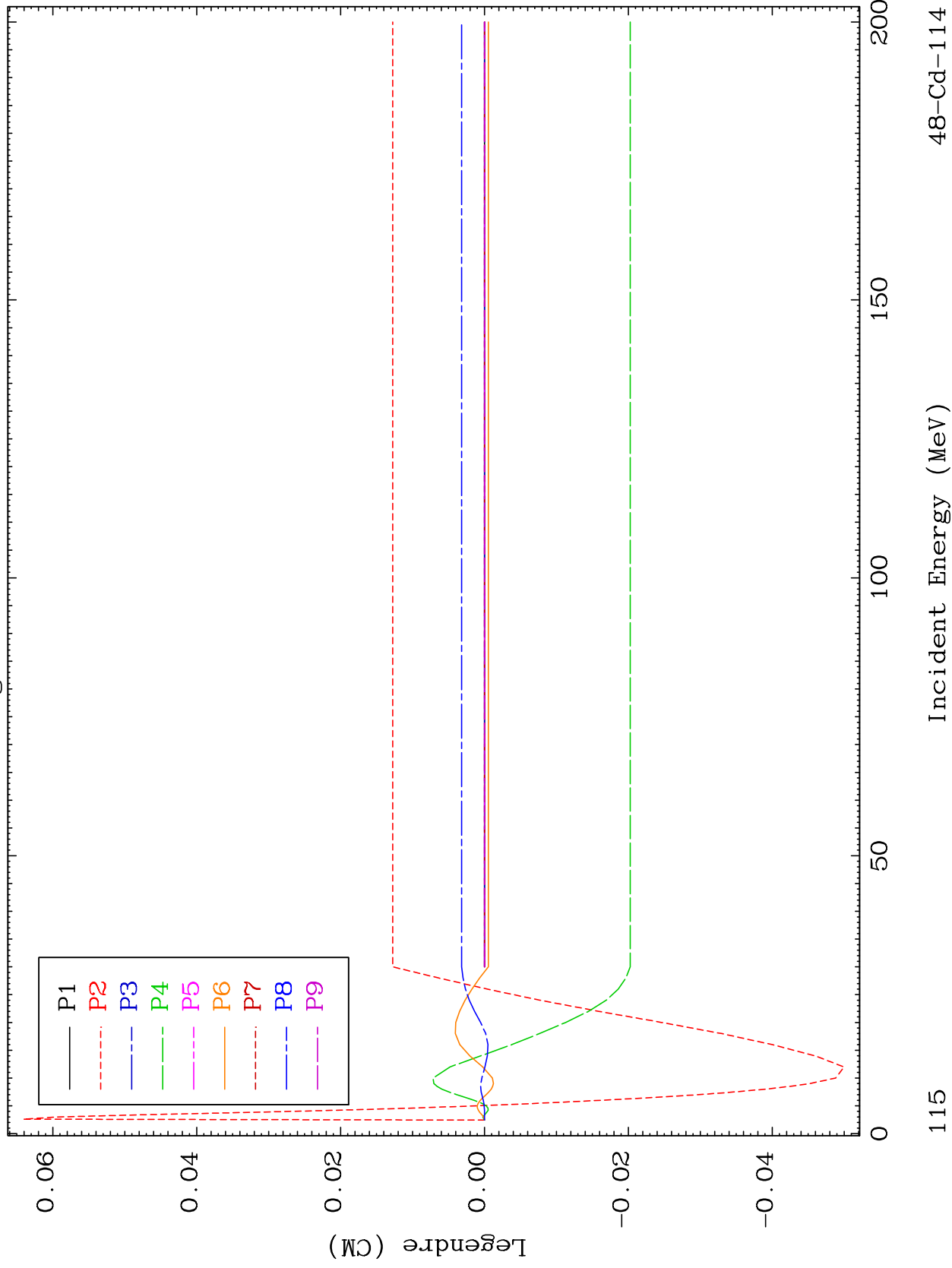


114

MAT 4849

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

48-Cd-114



48-Cd-114

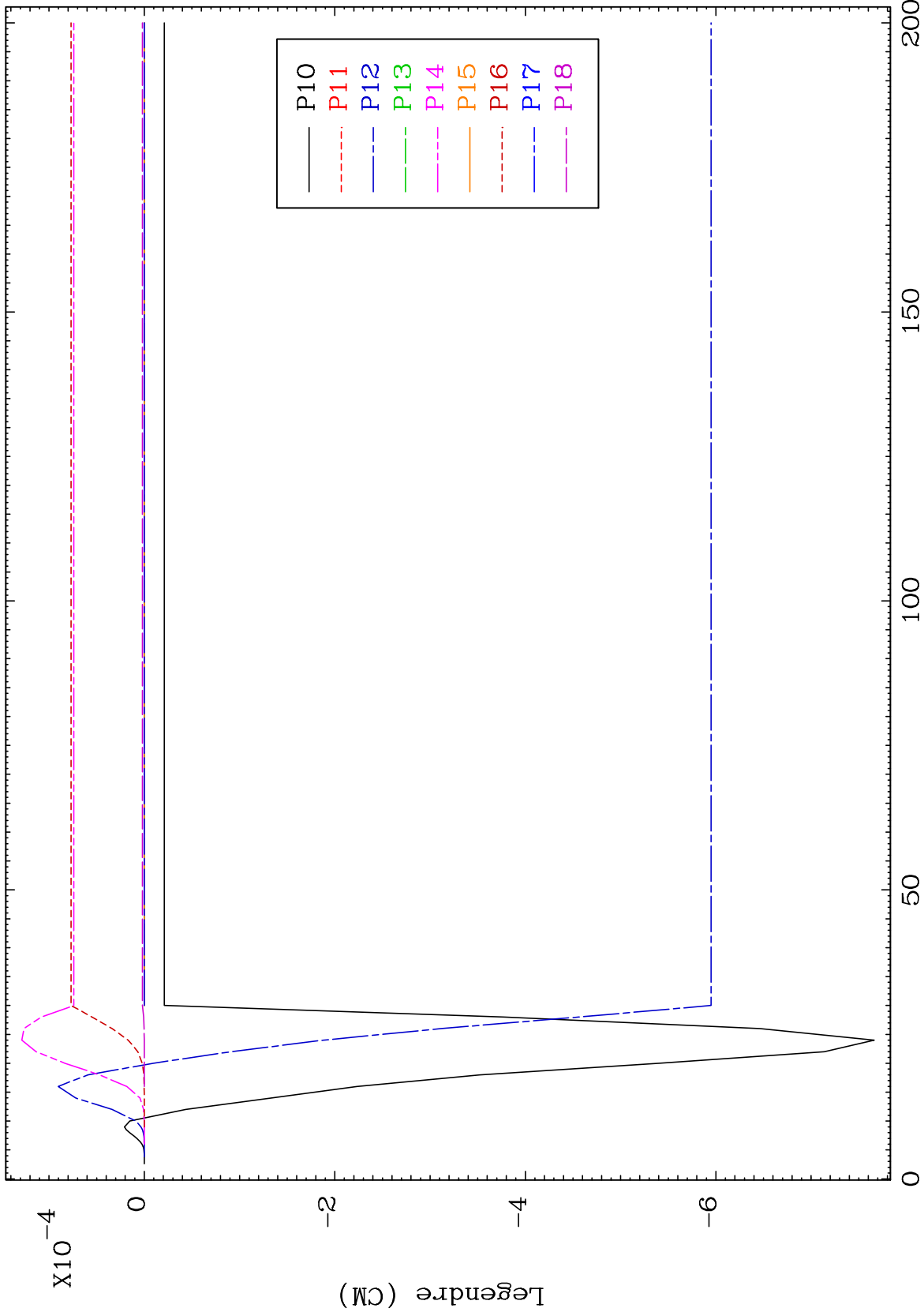
Incident Energy (MeV)

115

MAT 4849

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

48-Cd-114



116

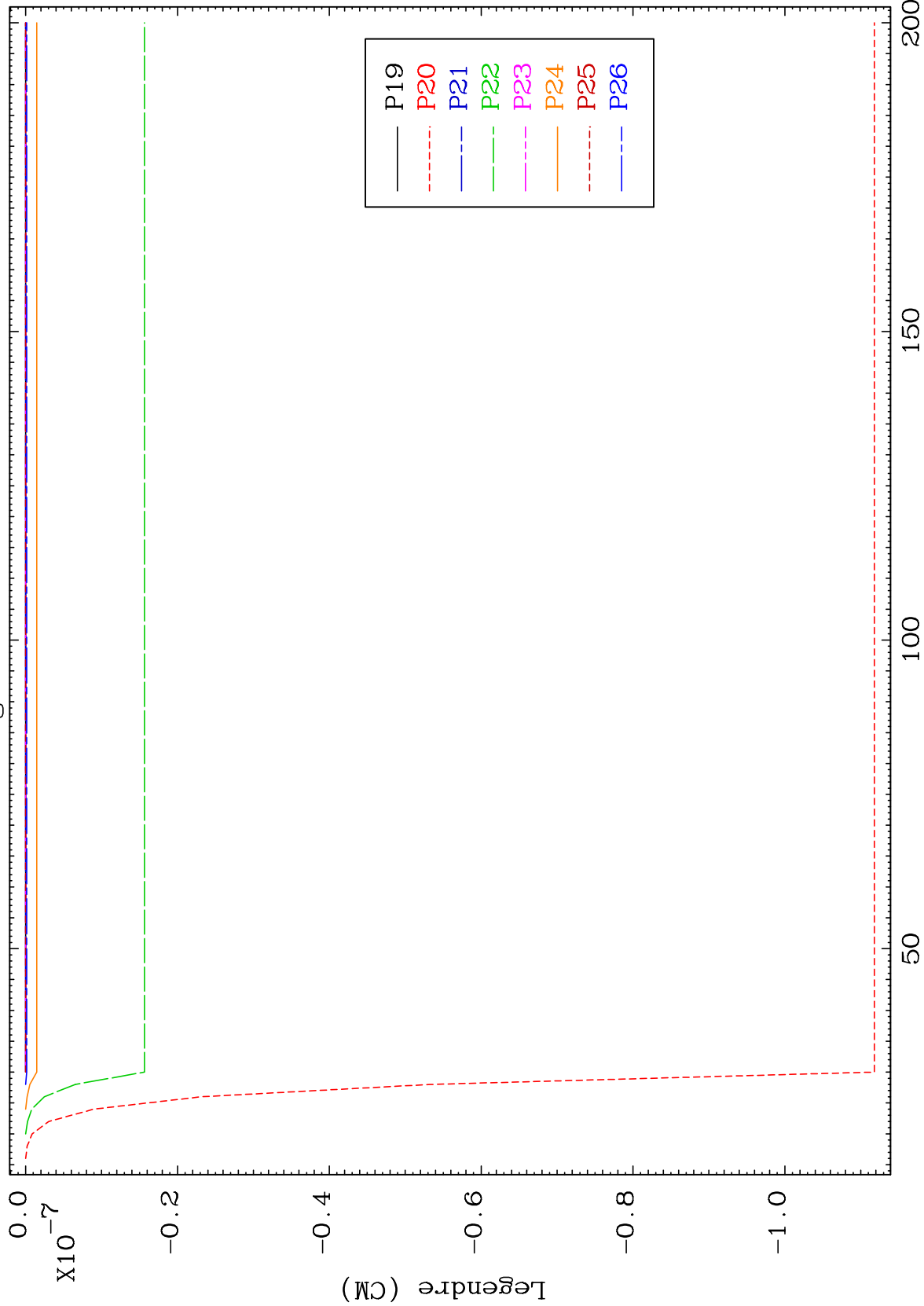
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

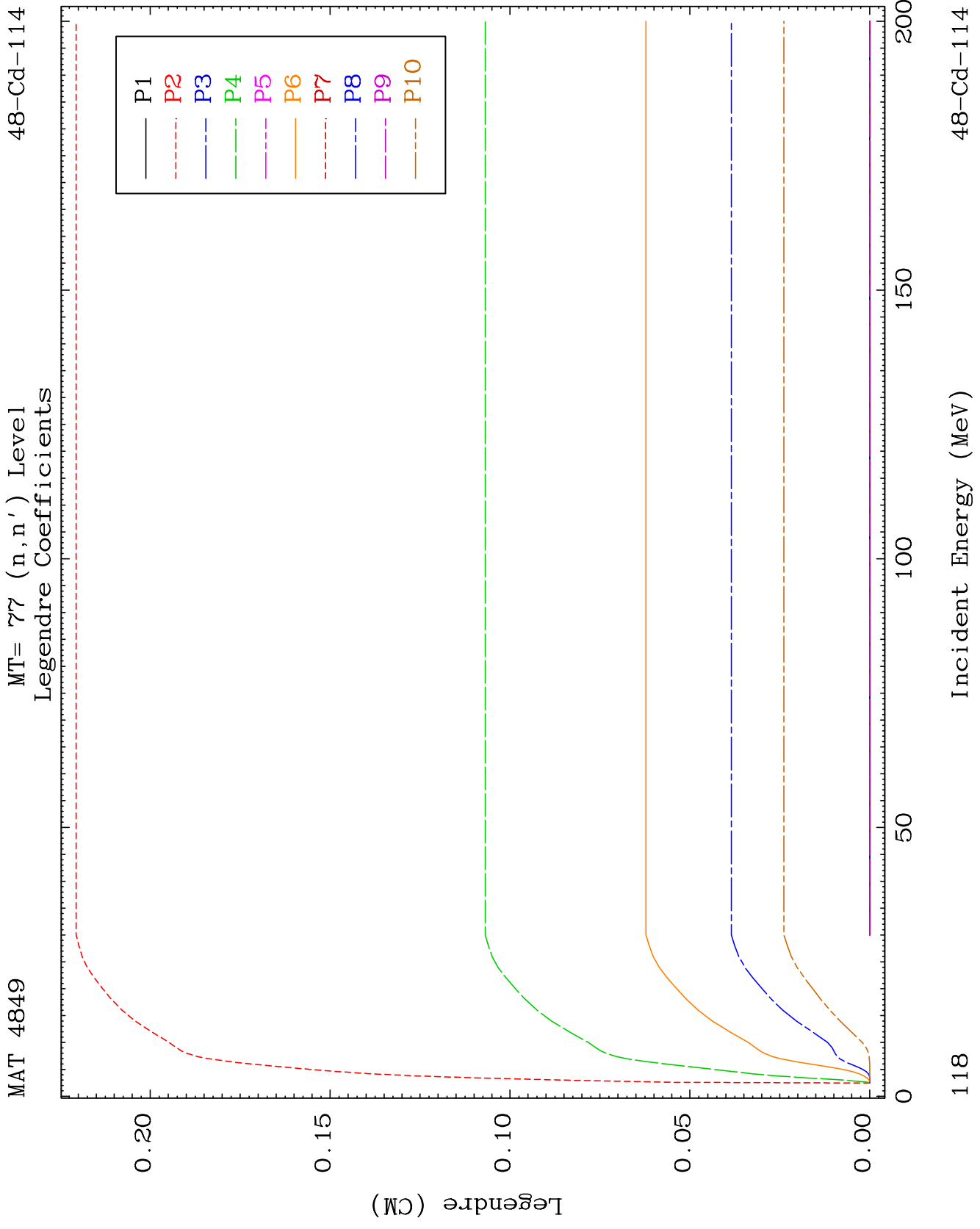
48-Cd-114



117

Incident Energy (MeV)

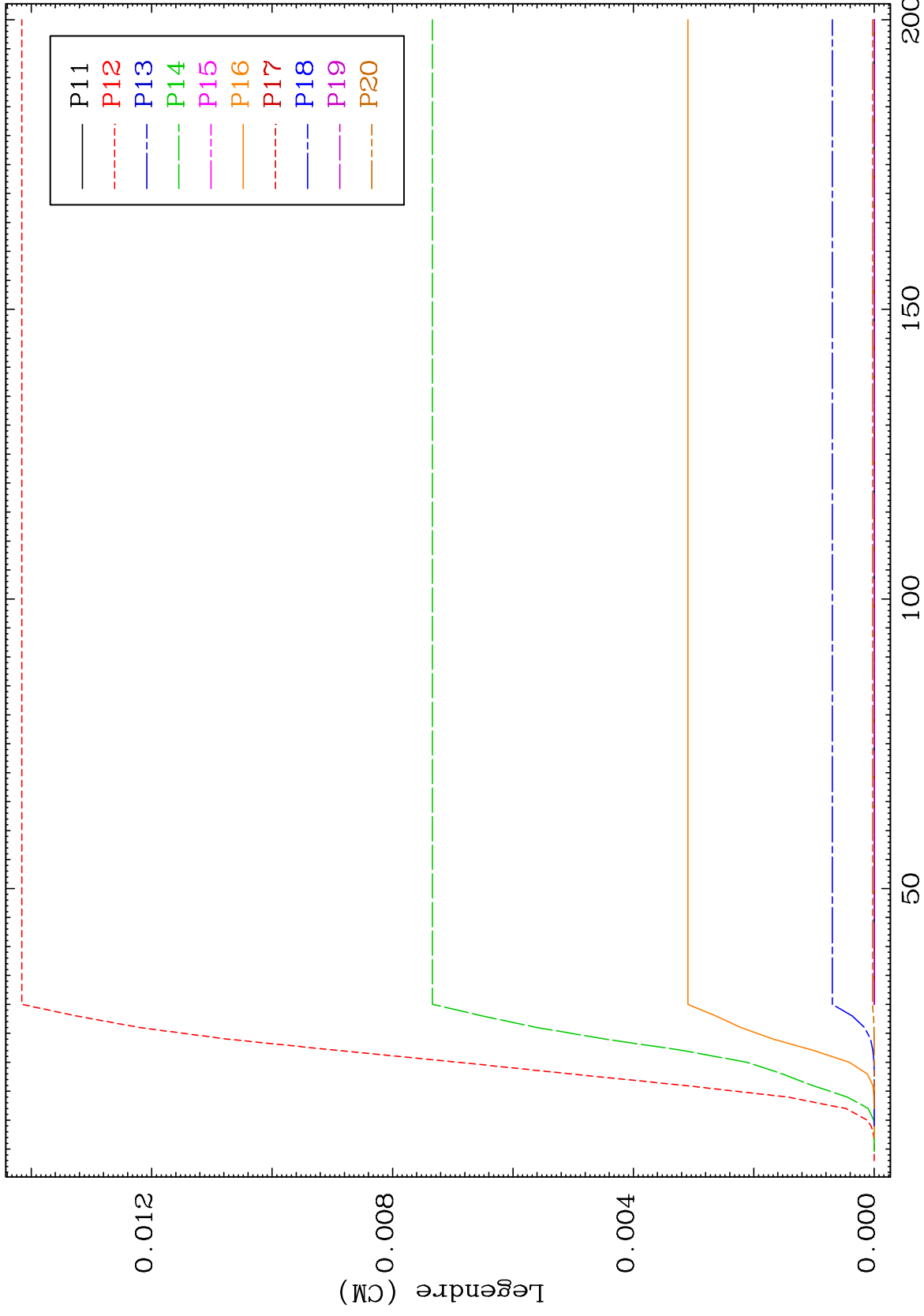
48-Cd-114



MAT 4849

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

48-Cd-114



119

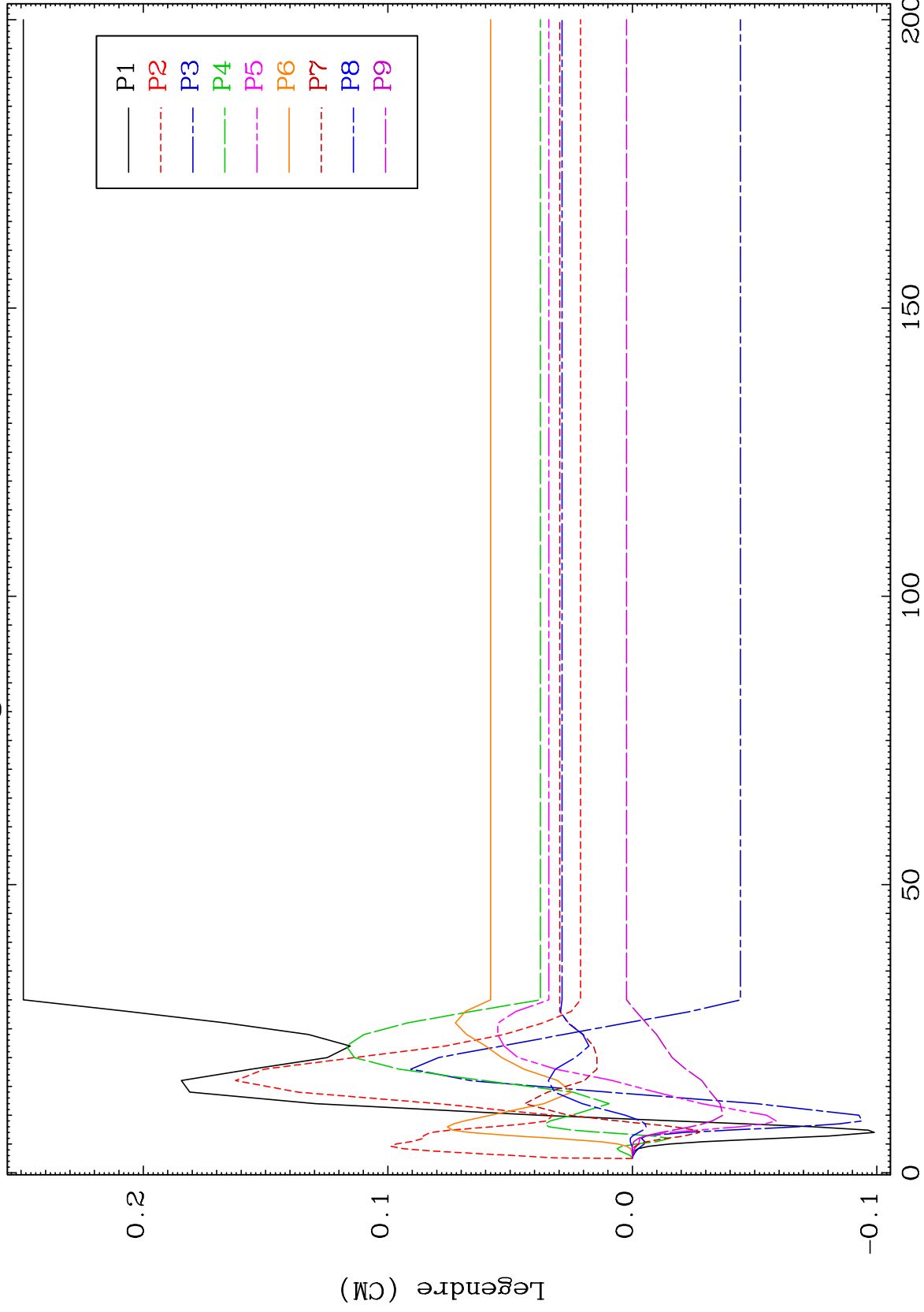
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



121

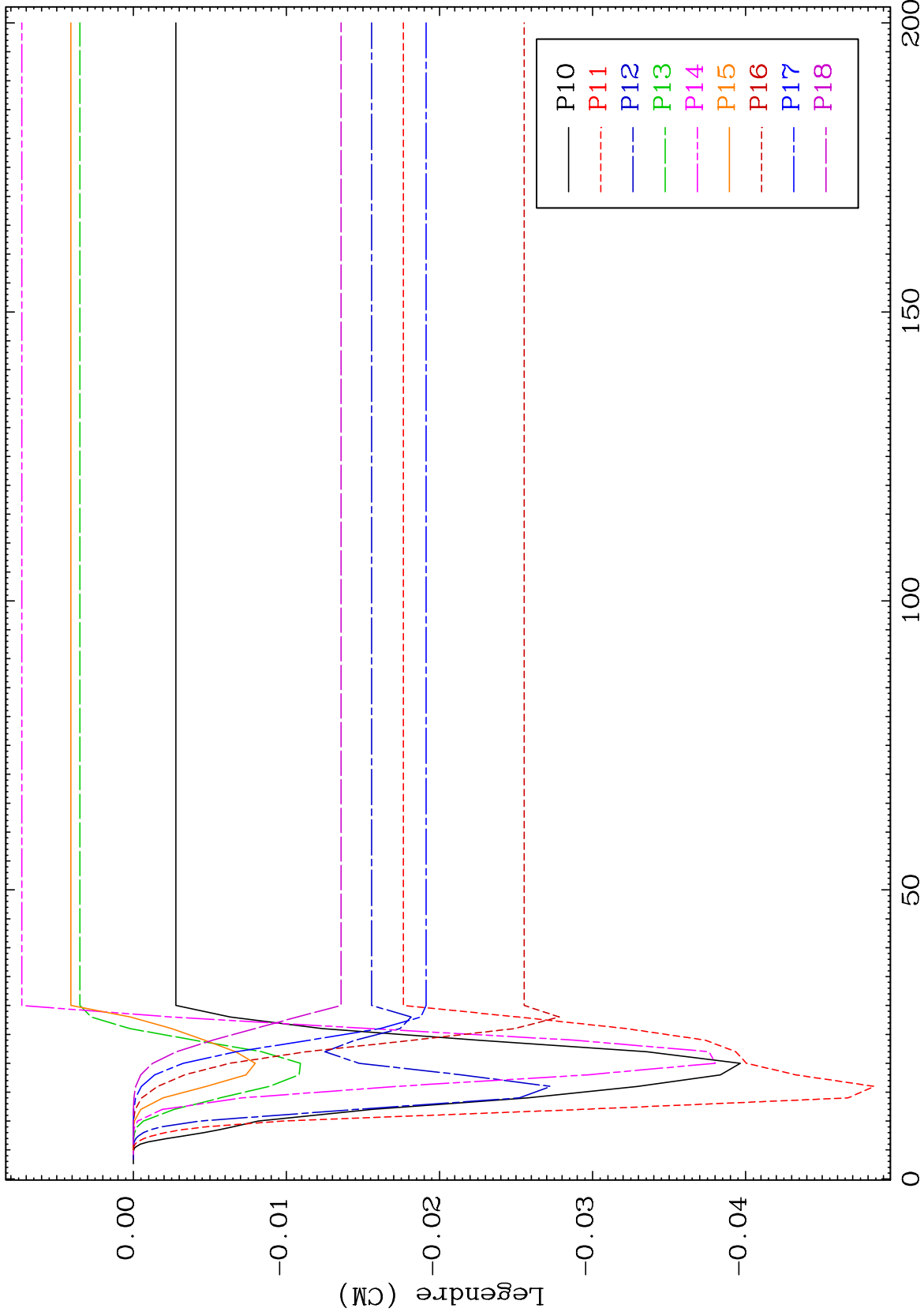
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

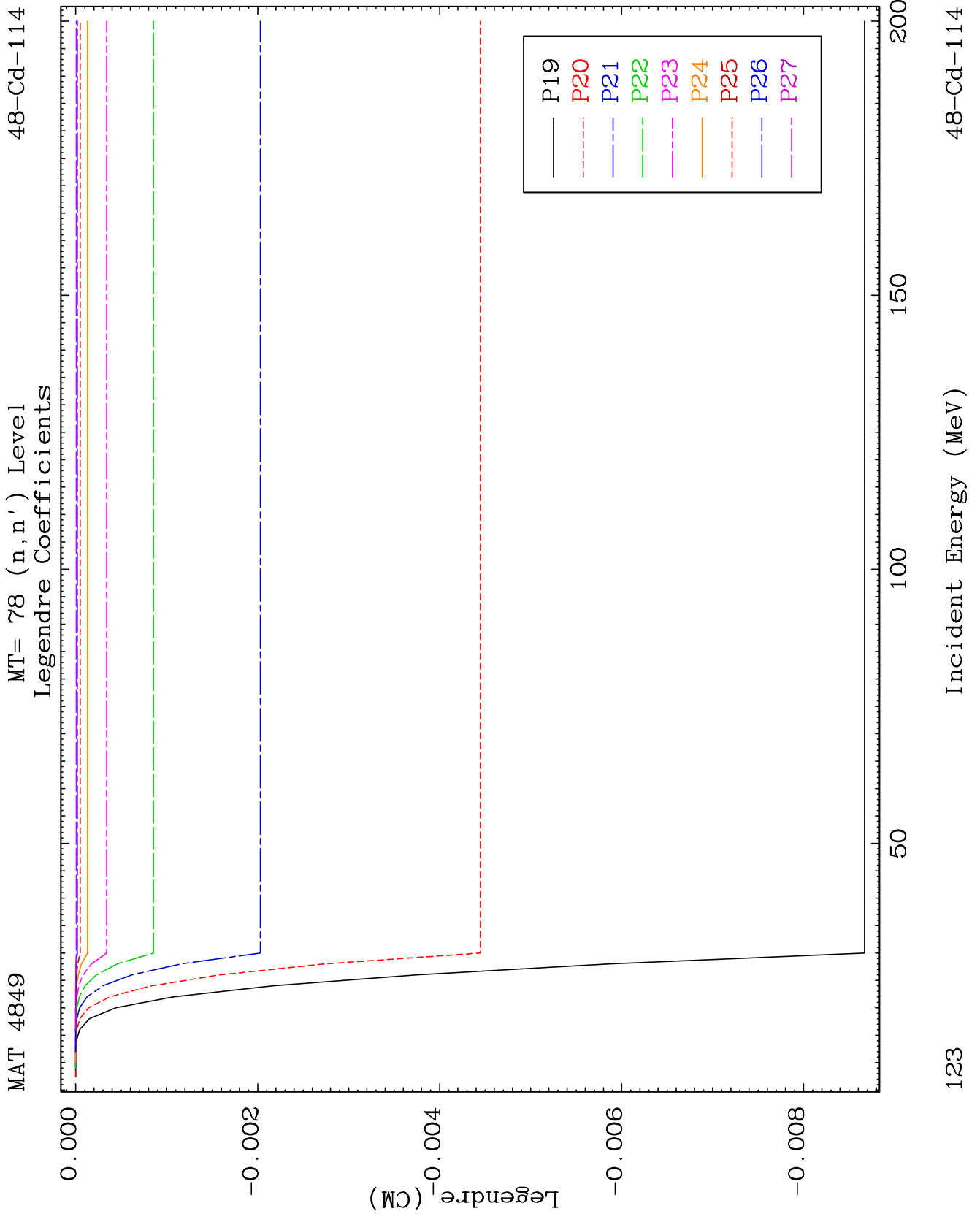
48-Cd-114

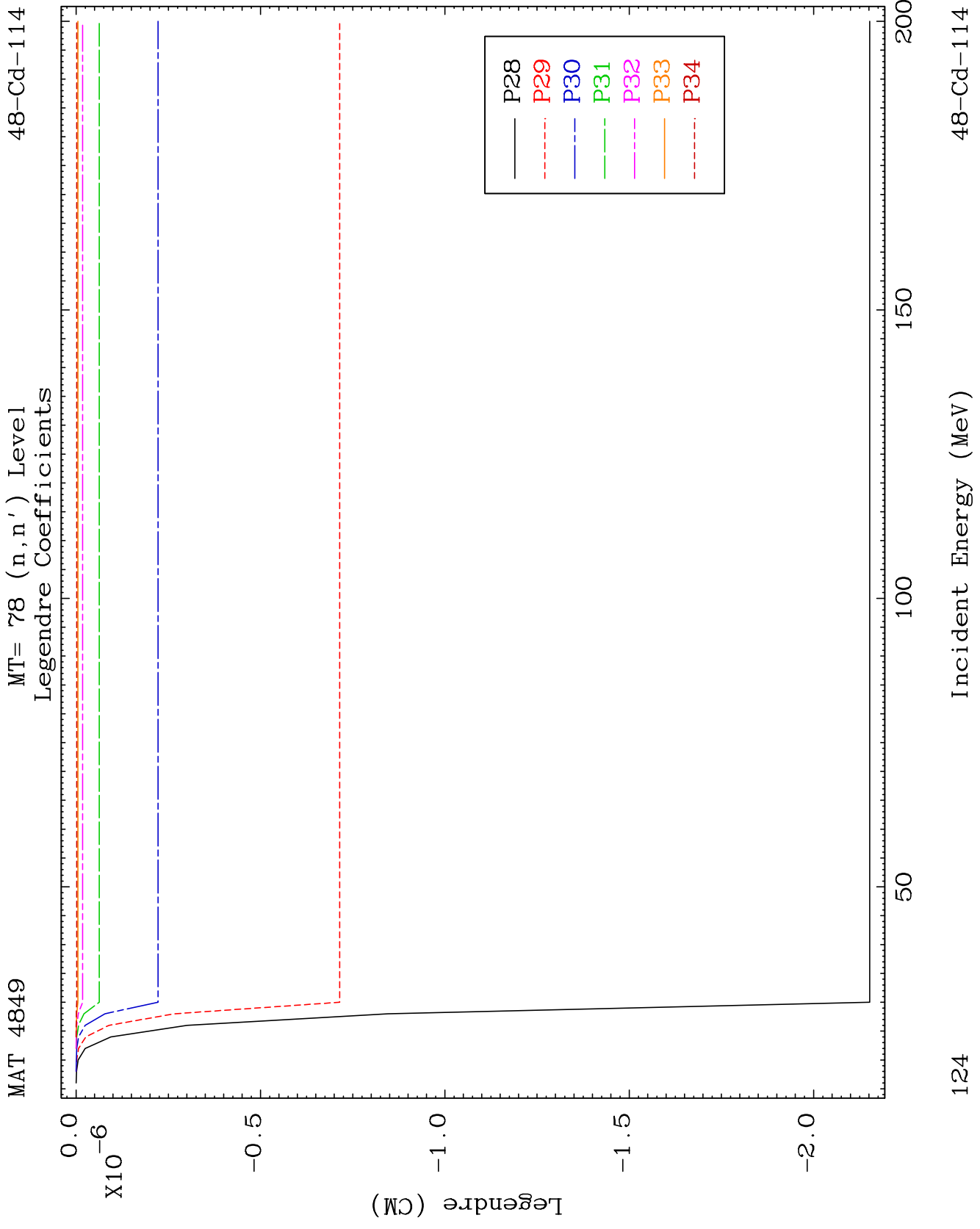


122

Incident Energy (MeV)

48-Cd-114

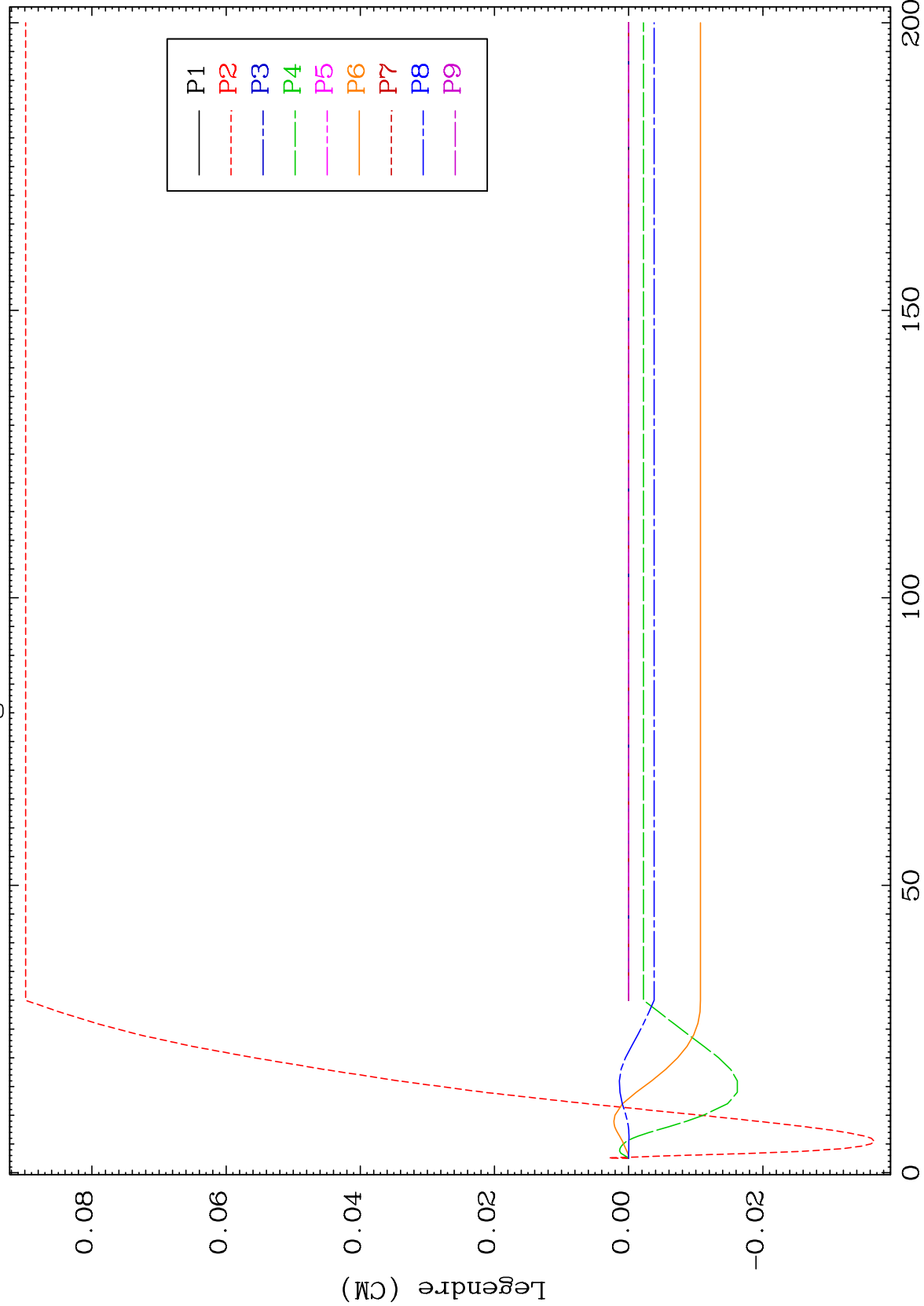




MAT 4849

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

48-Cd-114



48-Cd-114

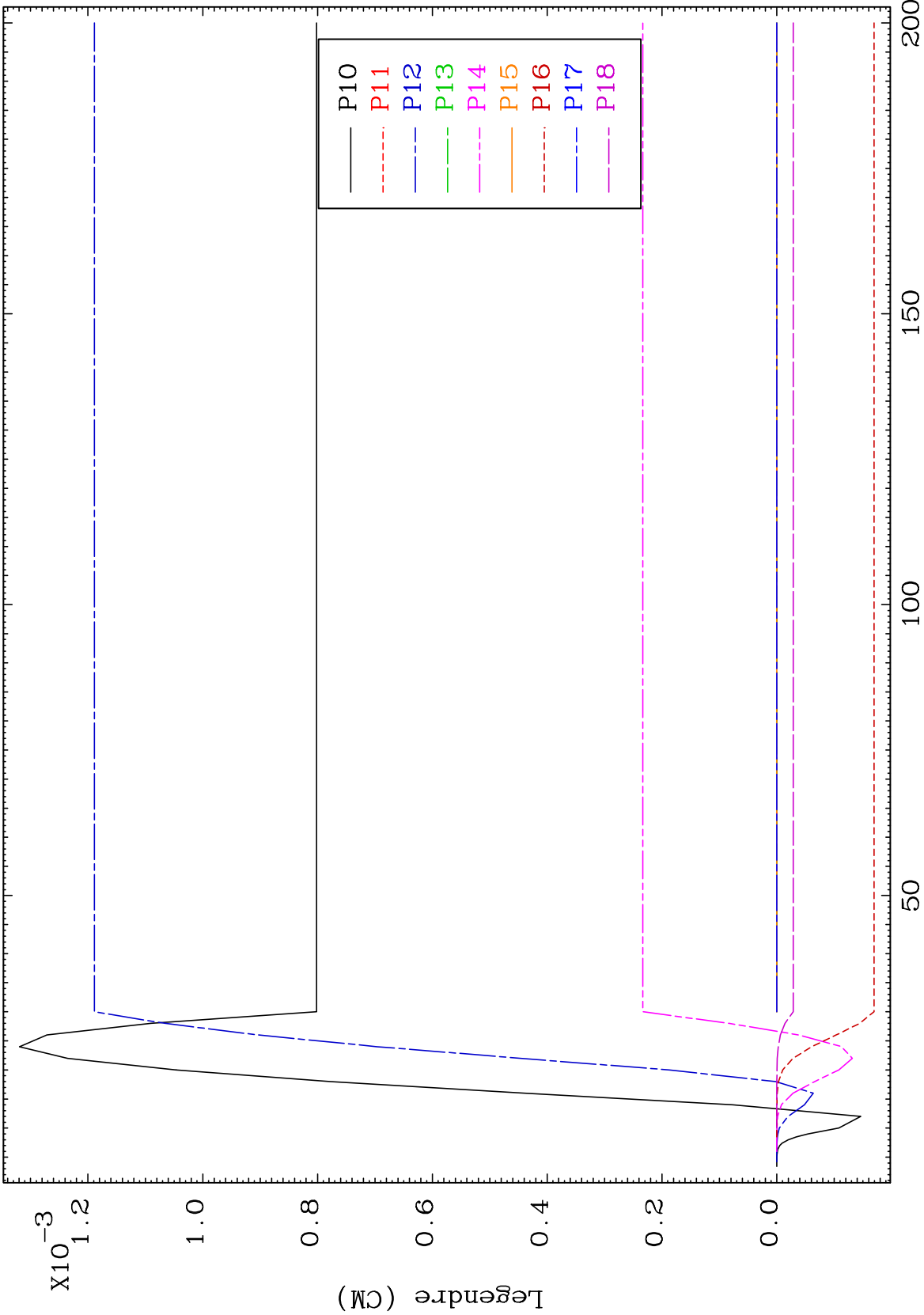
Incident Energy (MeV)

125

MAT 4849

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

48-Cd-114



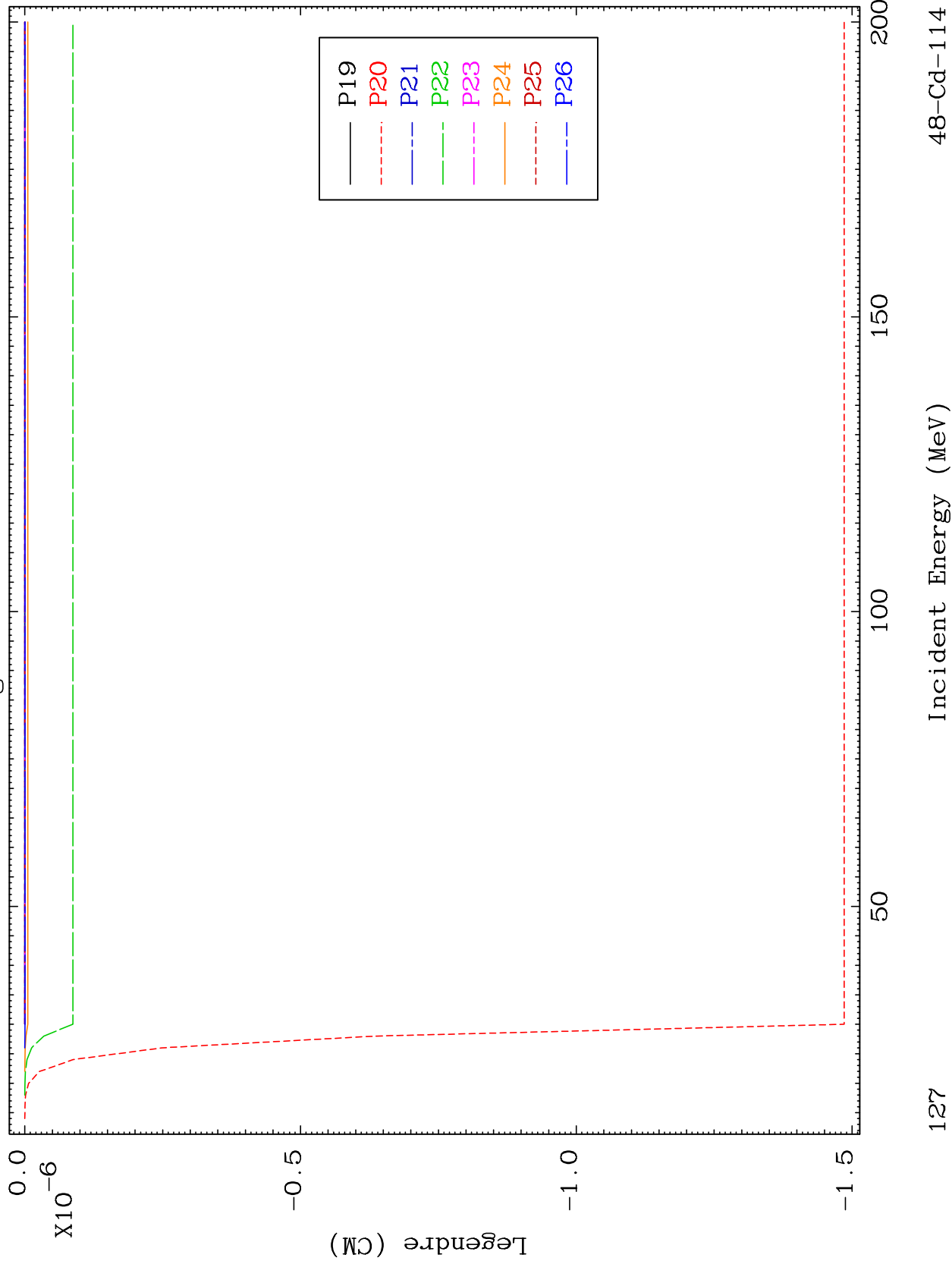
126

48-Cd-114

MAT 4849

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

48-Cd-114



127

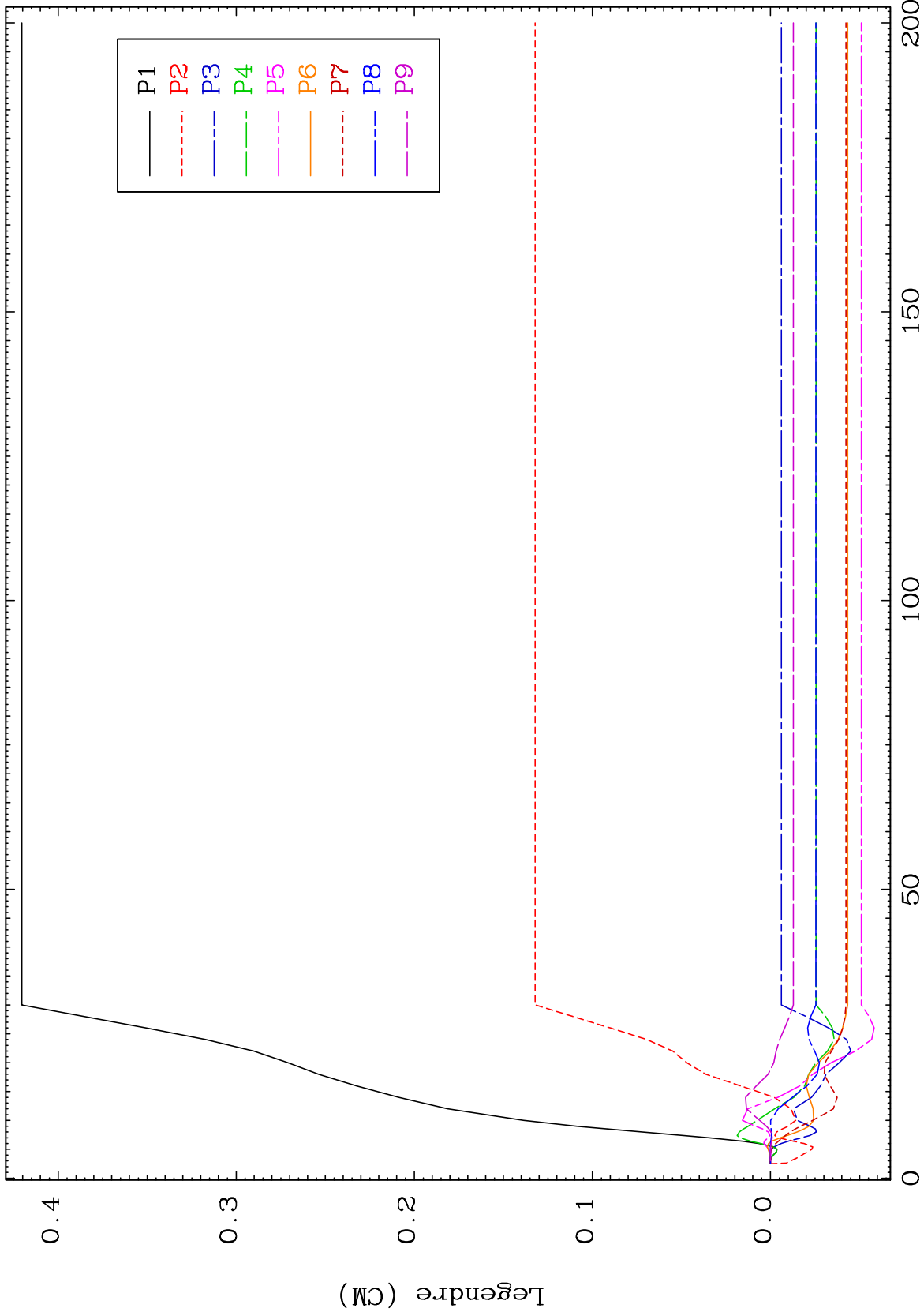
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



128

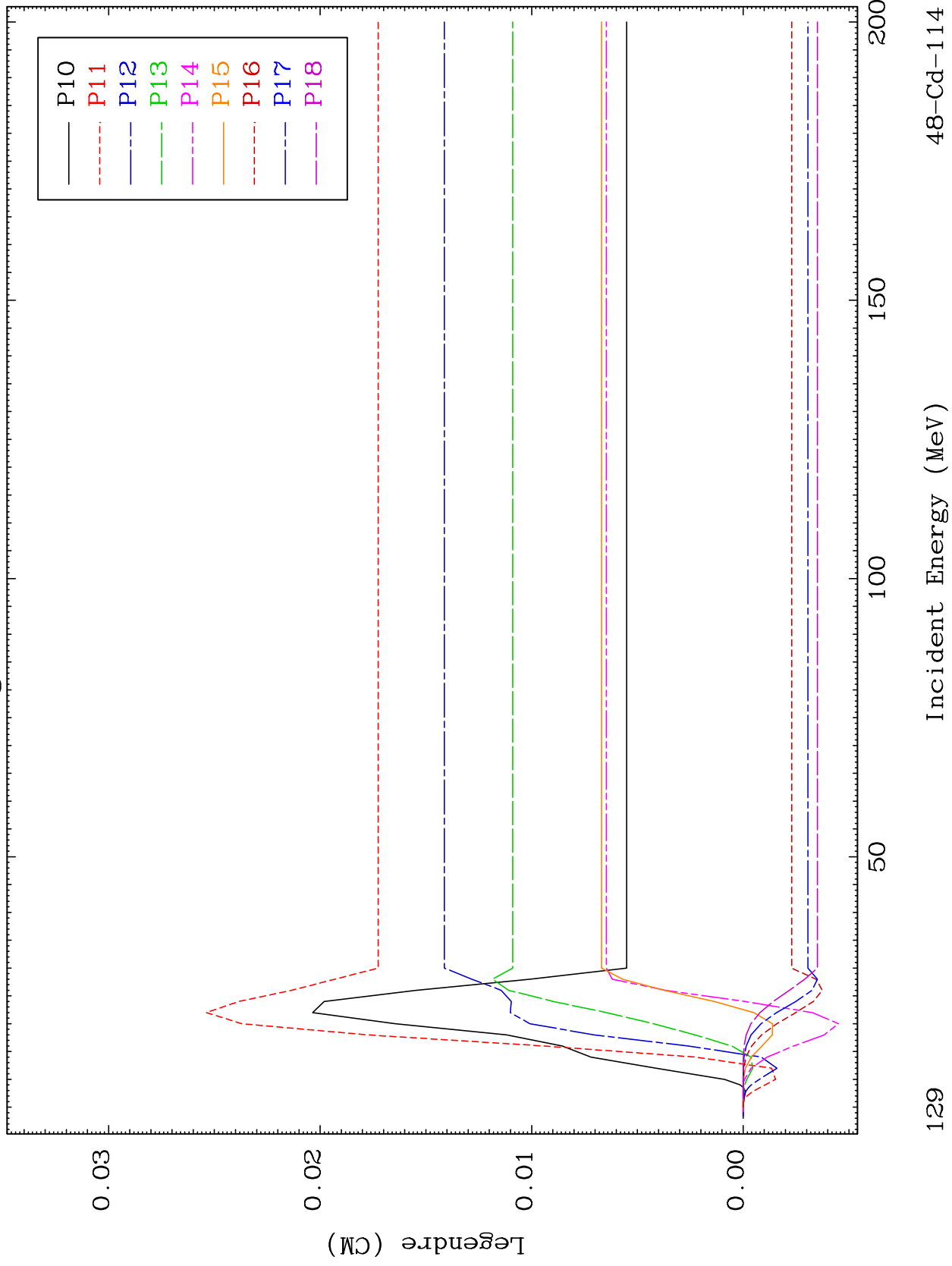
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

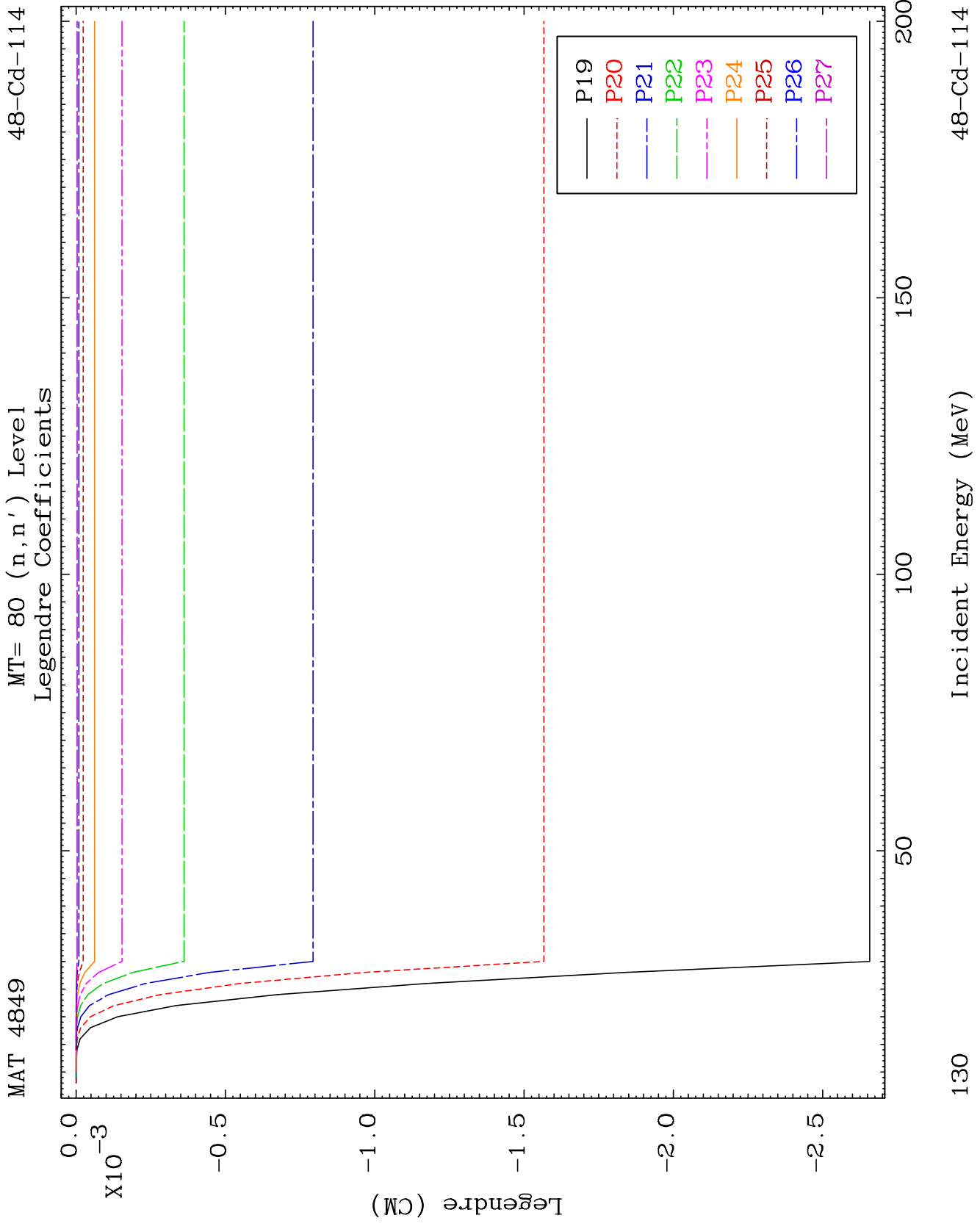
48-Cd-114

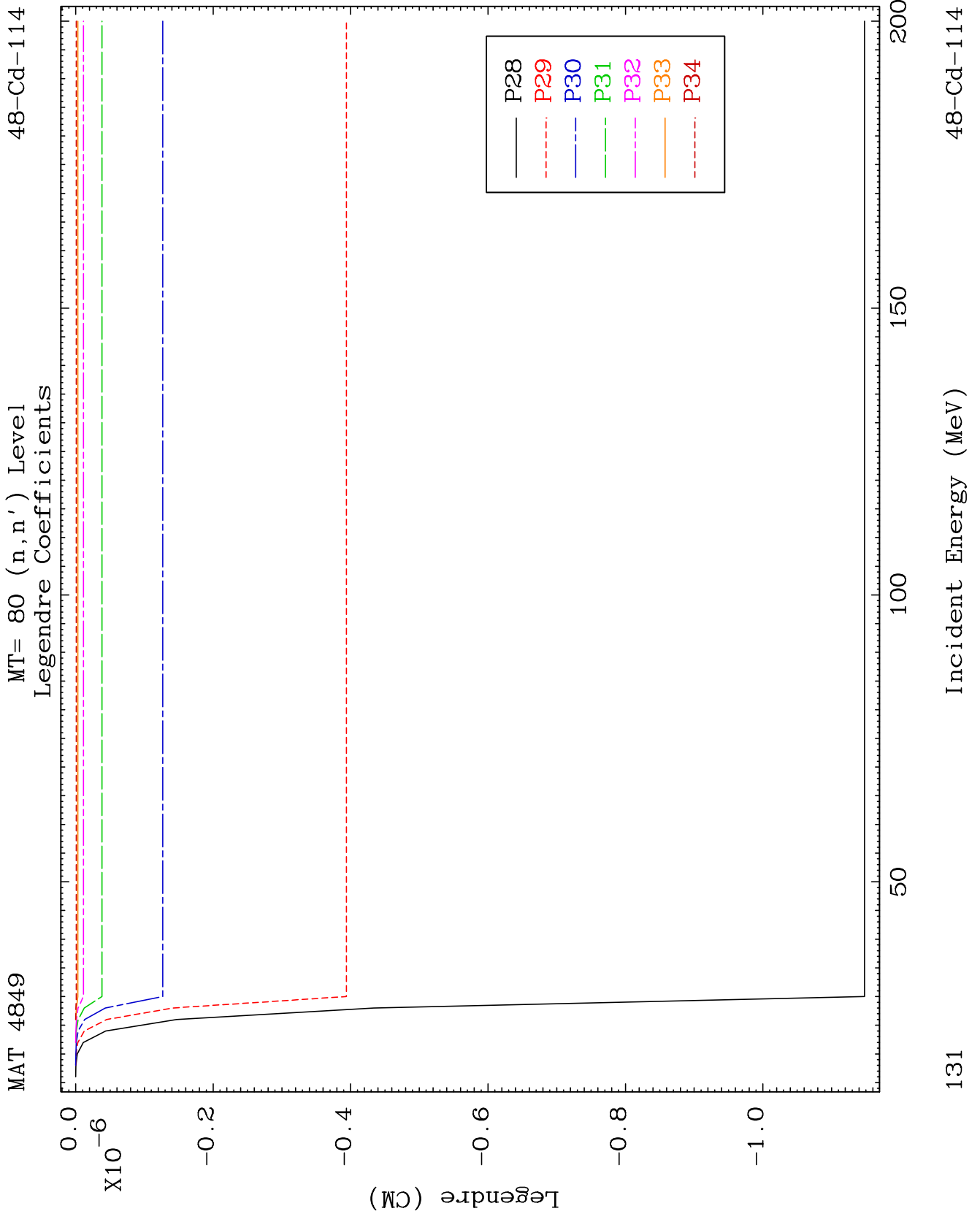


129

Incident Energy (MeV)

48-Cd-114



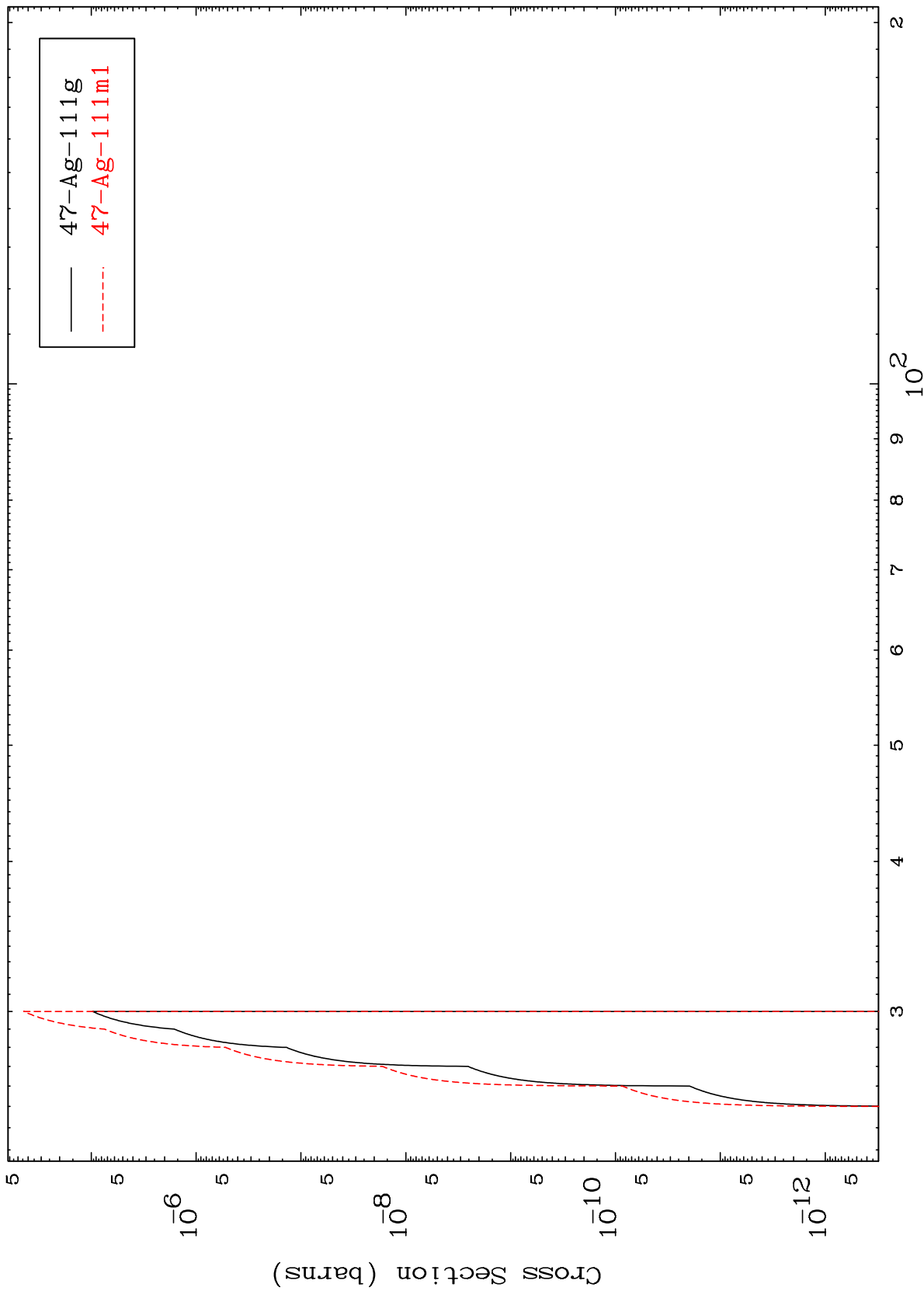


MAT 4849

(n,2n) d

48-Cd-114

Radionuclide Production Cross Section



132

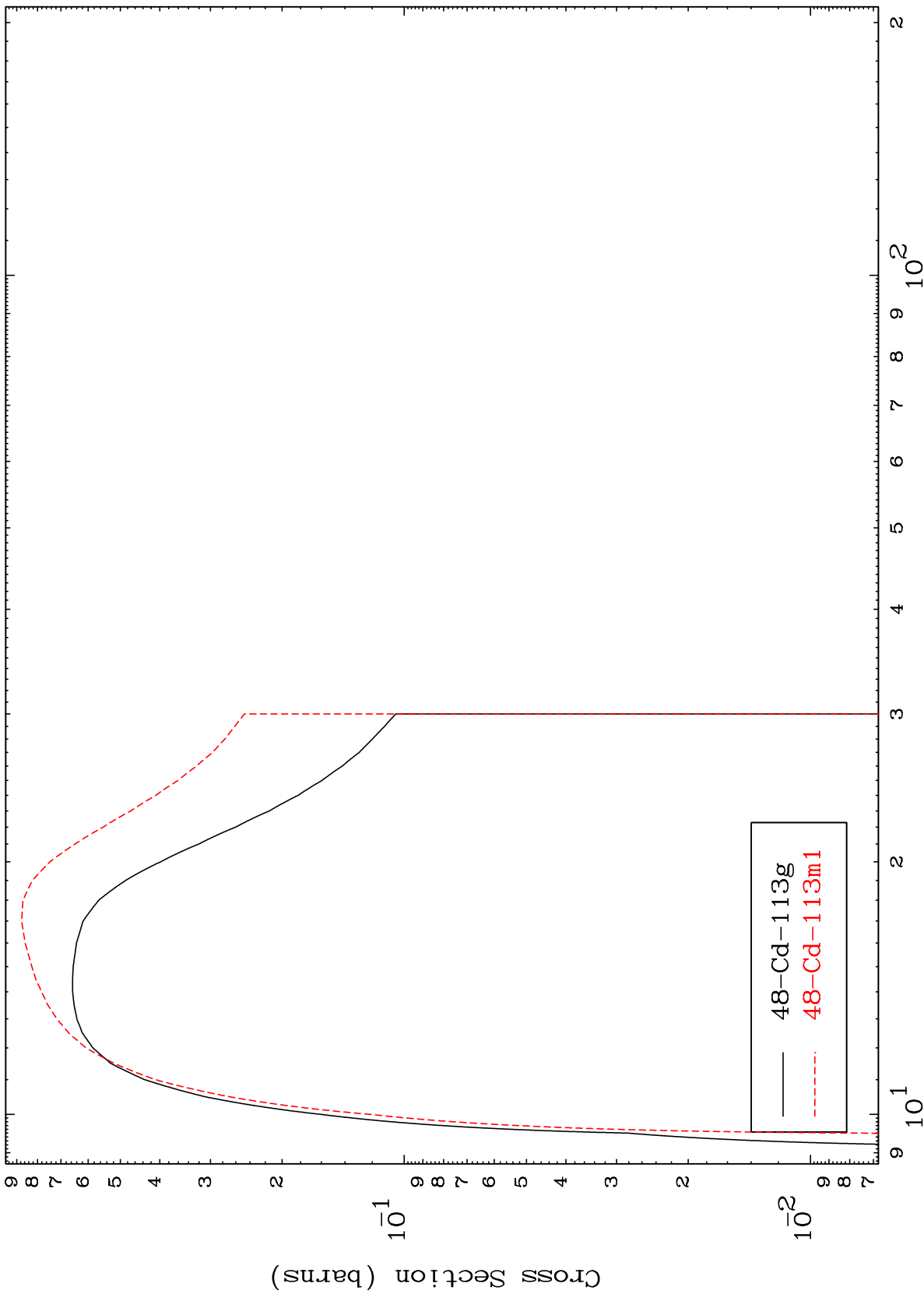
Incident Energy (MeV)

48-Cd-114

MAT 4849

48-Cd-114

(n,2n)
Radionuclide Production Cross Section



48-Cd-114

Incident Energy (MeV)

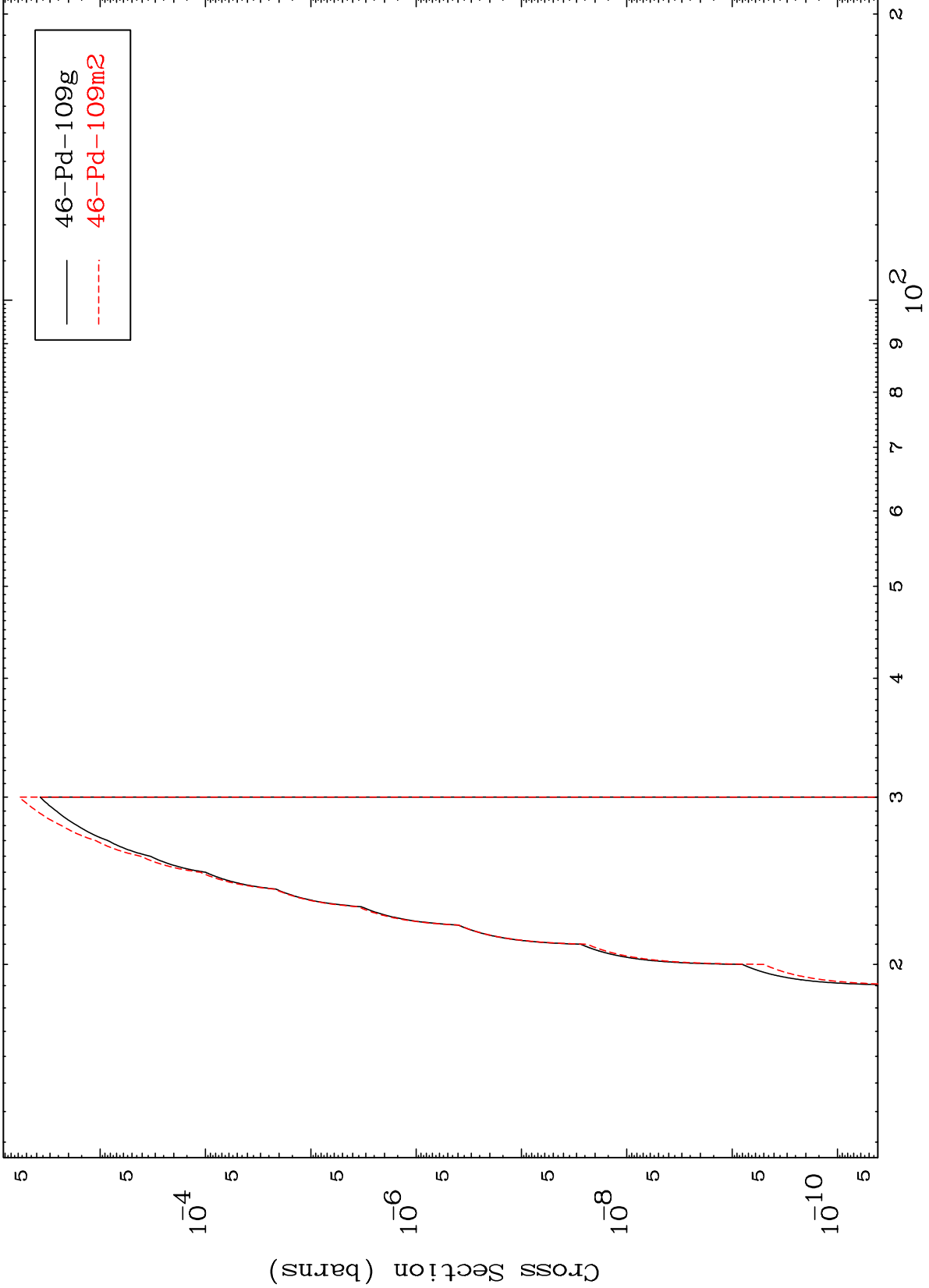
133

MAT 4849

(n,2n) α

48-Cd-114

Radionuclide Production Cross Section



134

Incident Energy (MeV)

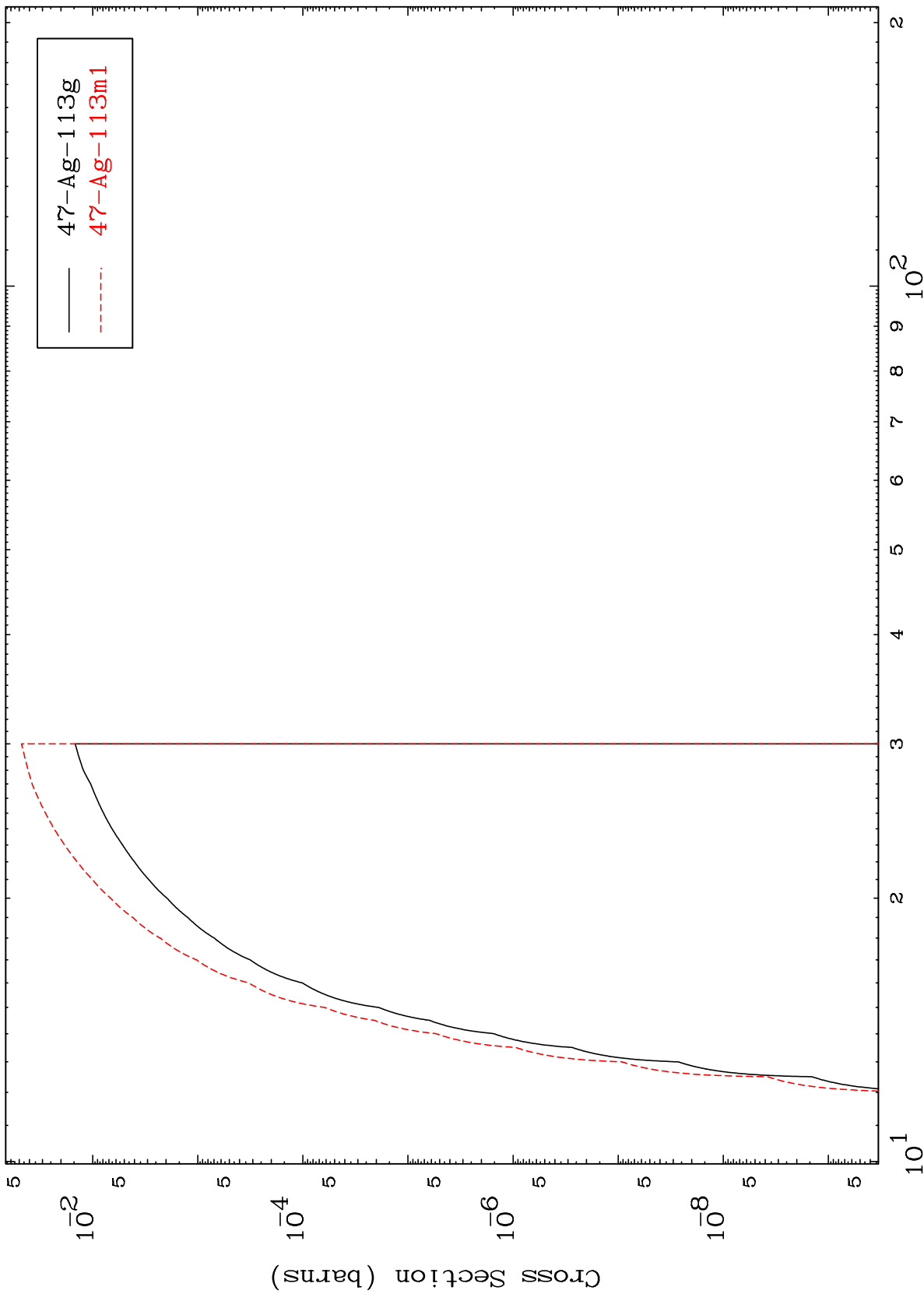
48-Cd-114

MAT 4849

(n,n') p

48-Cd-114

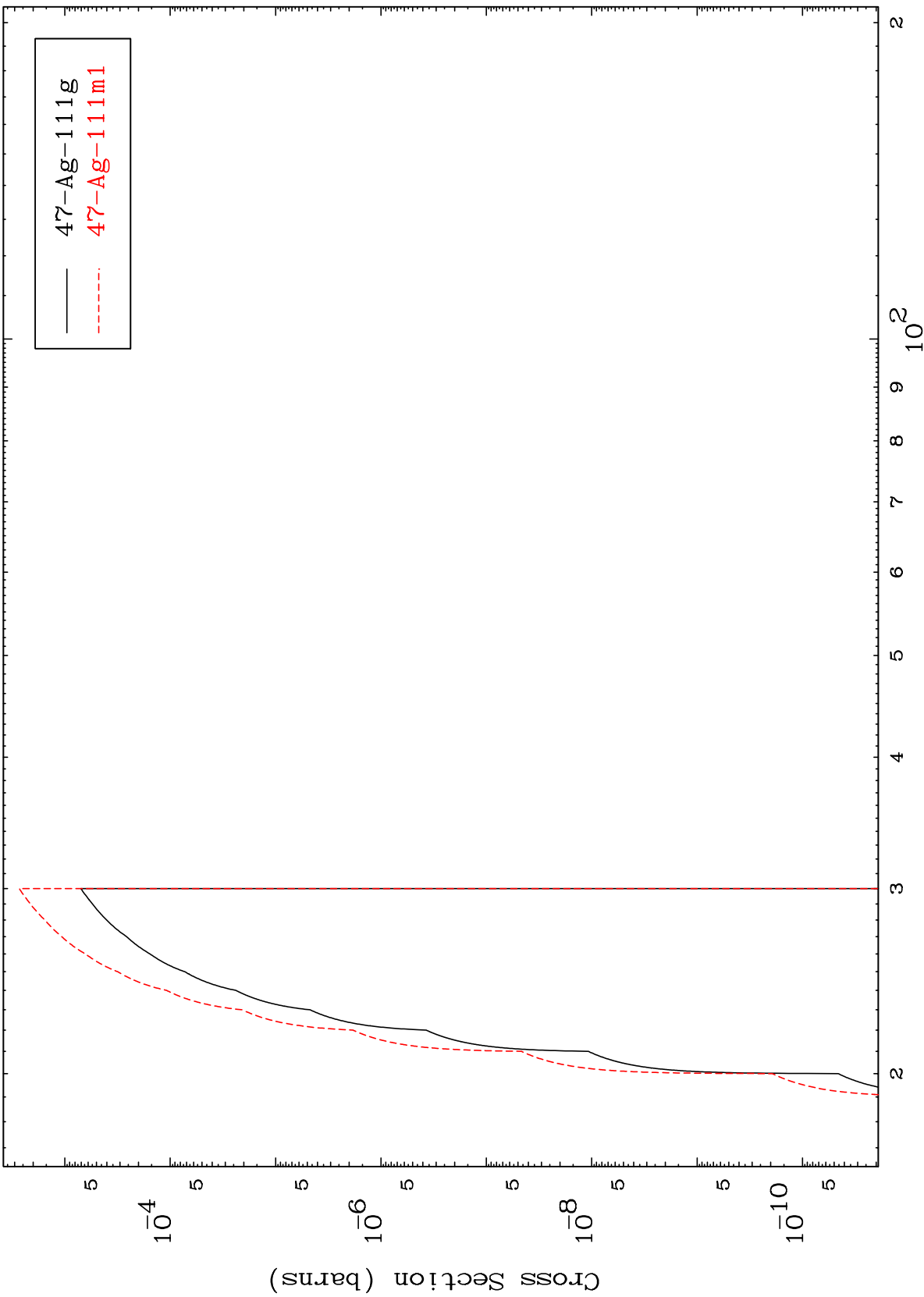
Radionuclide Production Cross Section



Incident Energy (MeV)

48-Cd-114

Radionuclide Production Cross Section

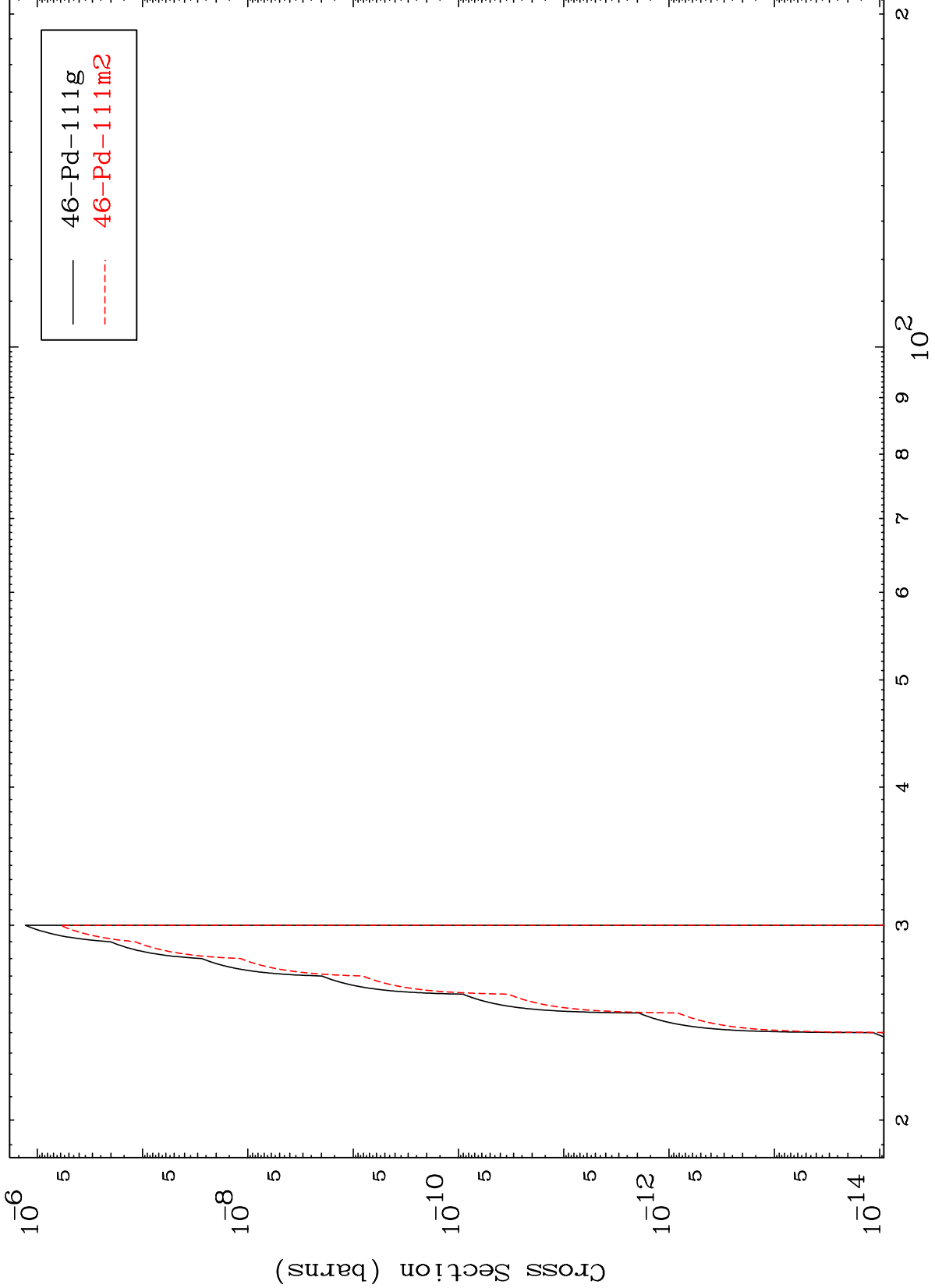


MAT 4849

(n,n') He-3

48-Cd-114

Radionuclide Production Cross Section



137

Incident Energy (MeV)

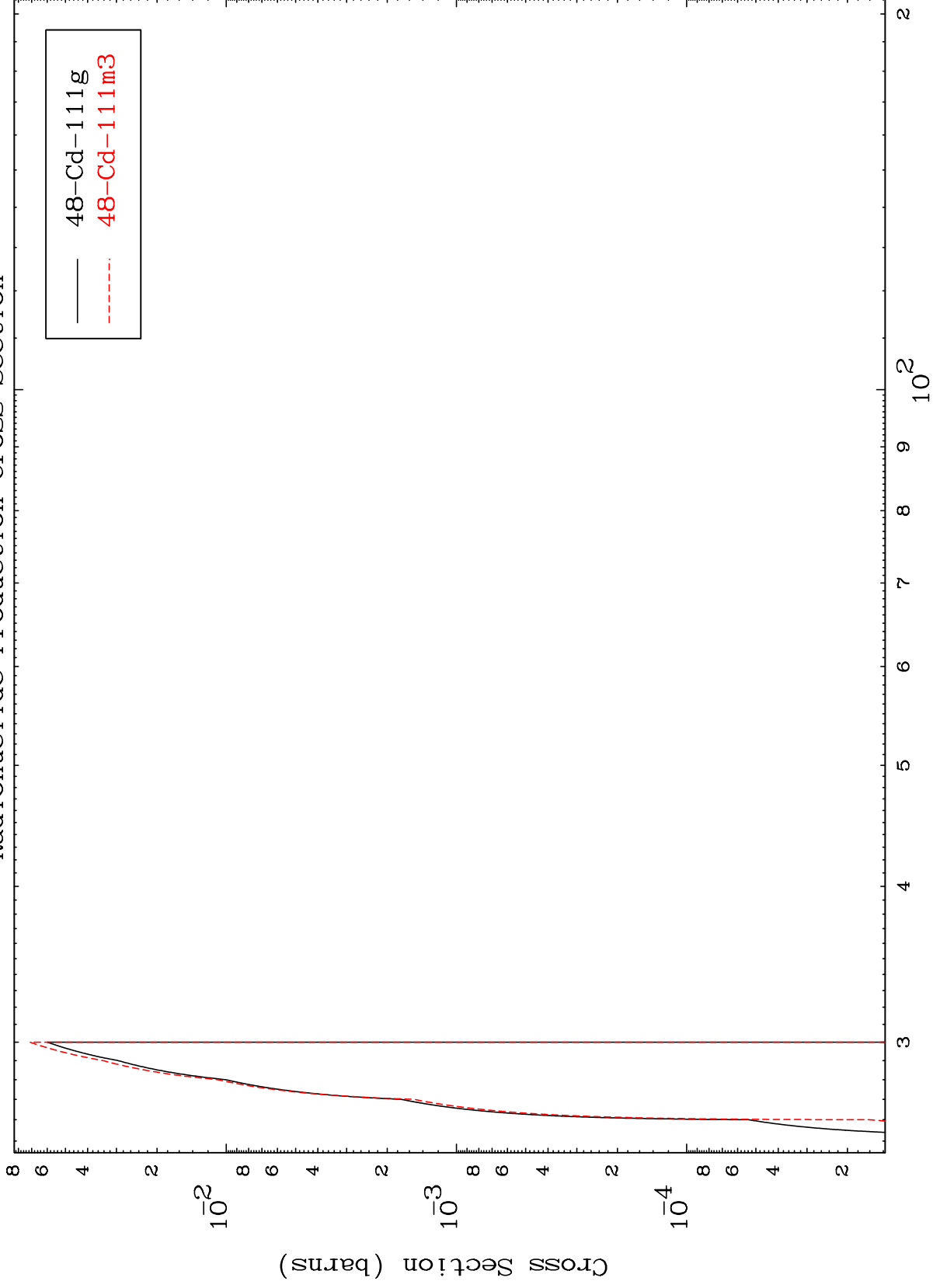
48-Cd-114

MAT 4849

(n,4n)

48-Cd-114

Radionuclide Production Cross Section



138

Incident Energy (MeV)

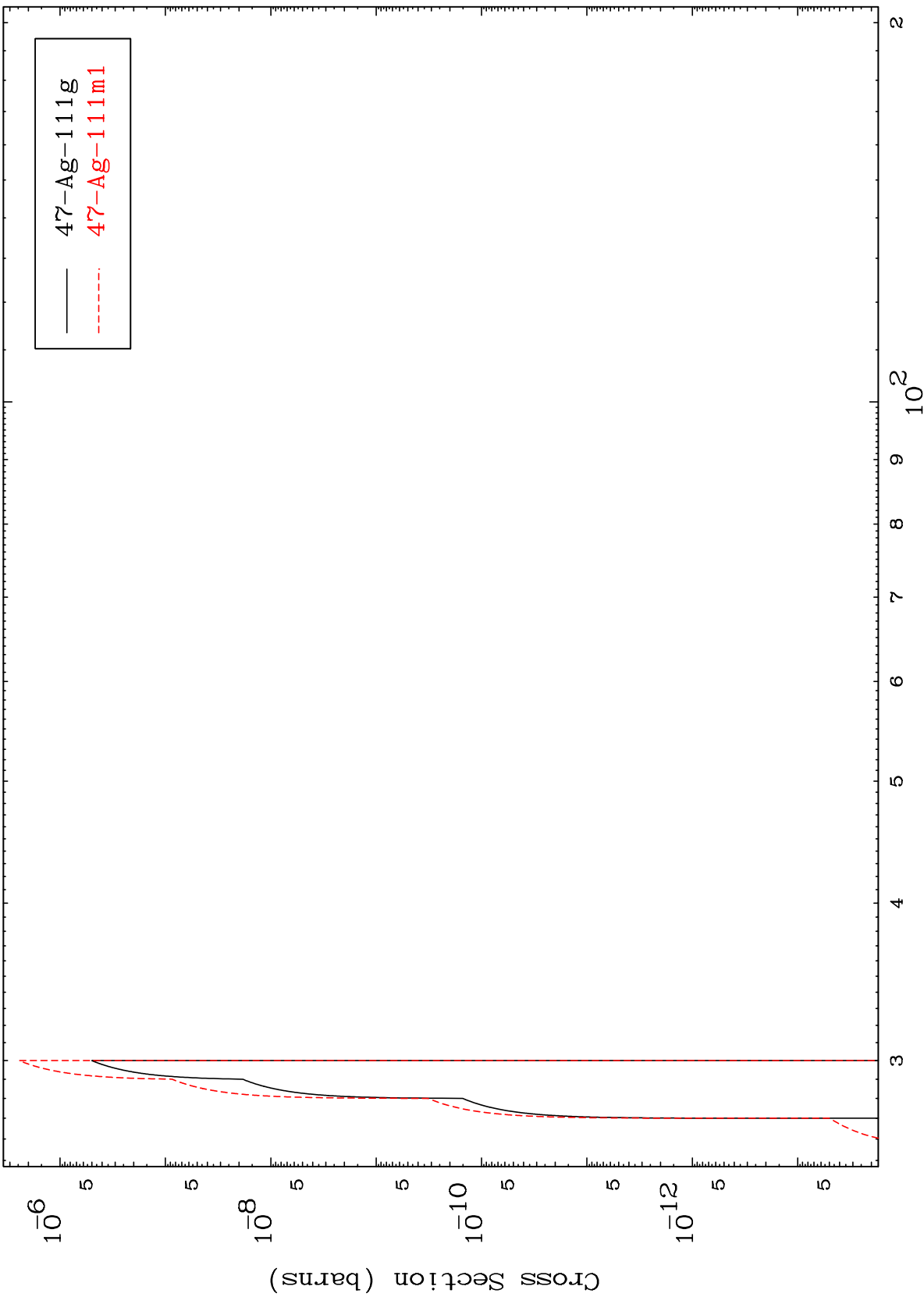
48-Cd-114

MAT 4849

(n,3n) p

48-Cd-114

Radionuclide Production Cross Section



139

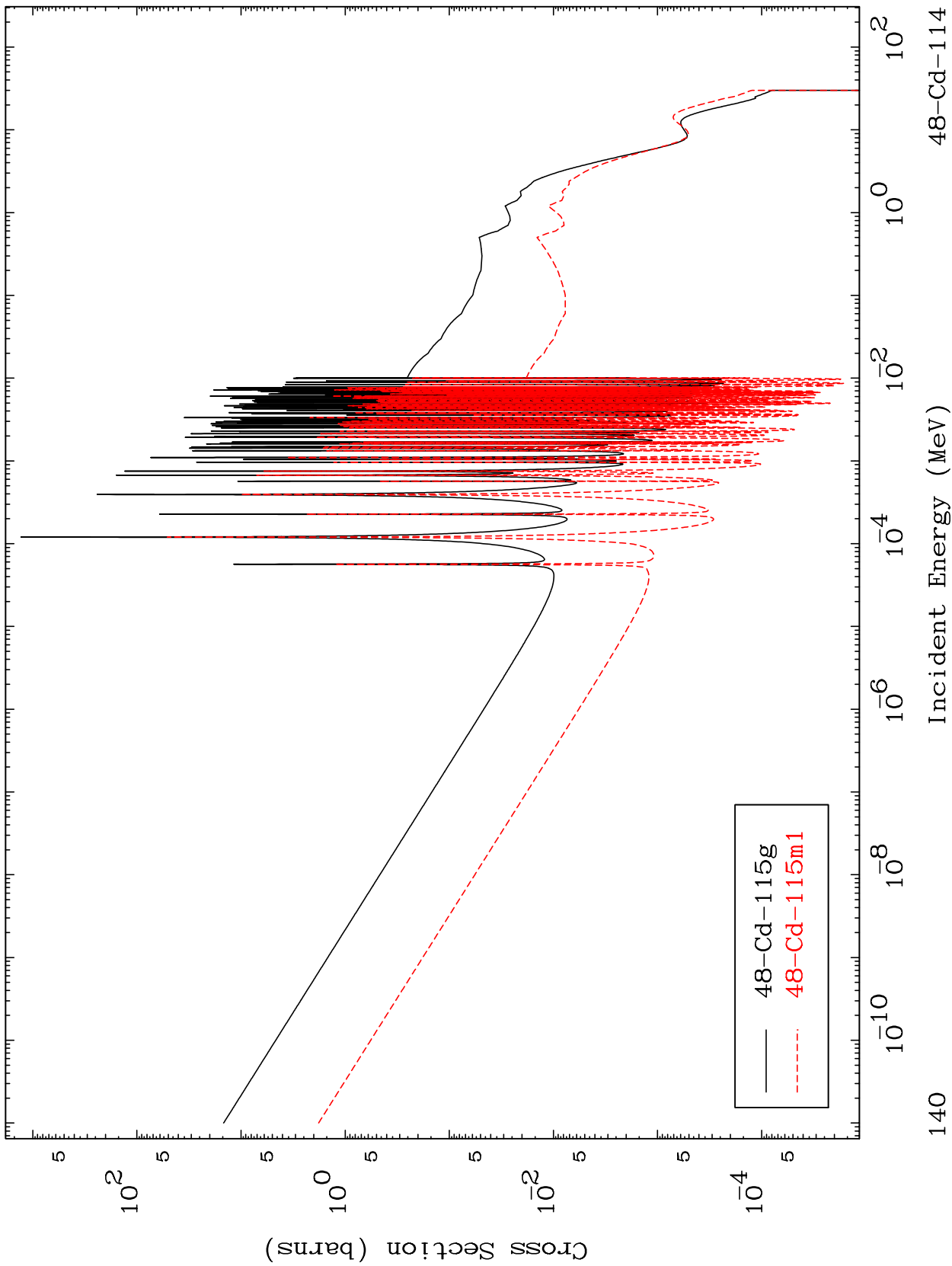
Incident Energy (MeV)

48-Cd-114

MAT 4849

48-Cd-114

(n, γ)
Radionuclide Production Cross Section

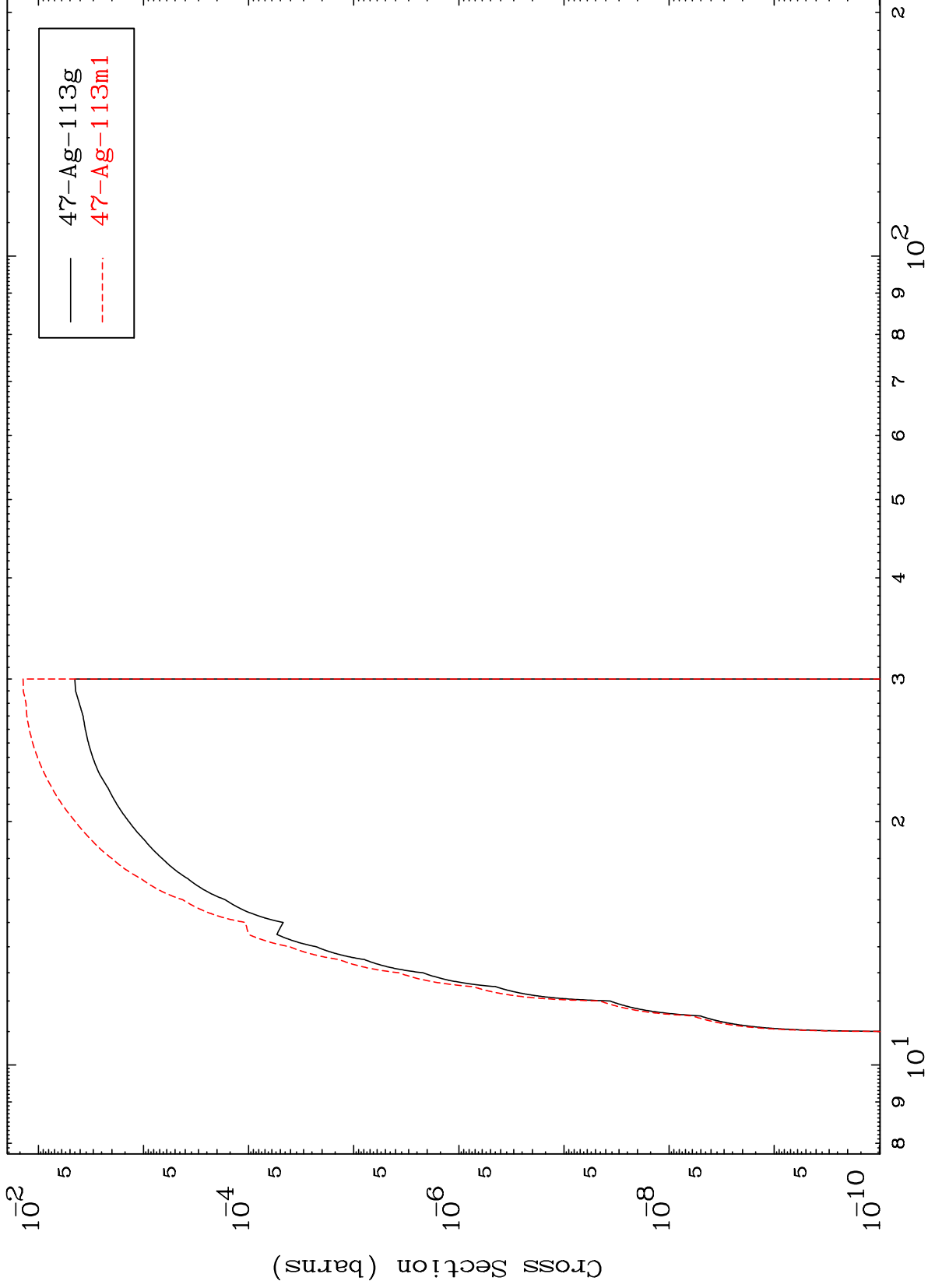


MAT 4849

(n,d)

48-Cd-114

Radionuclide Production Cross Section



141

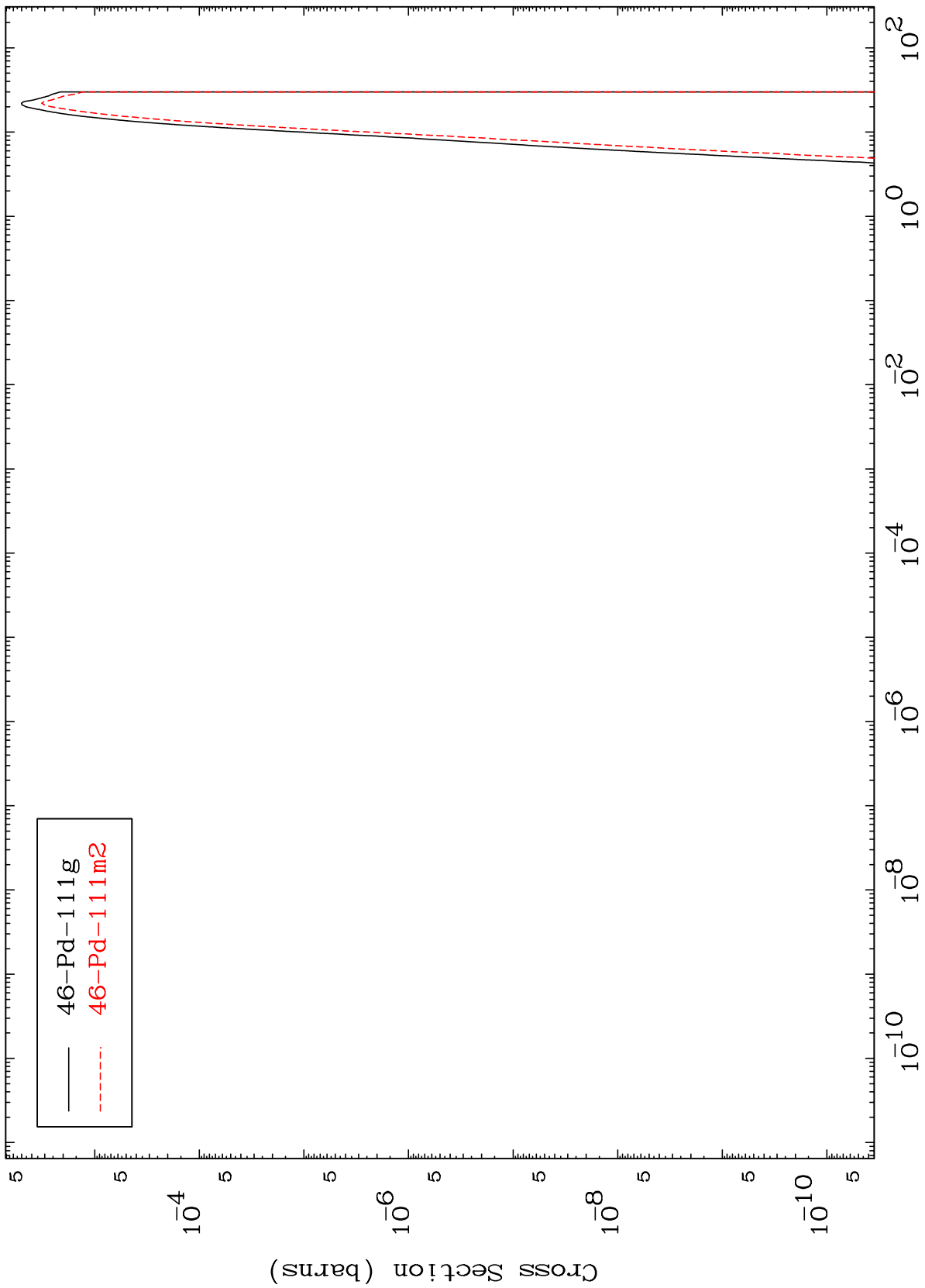
Incident Energy (MeV)

48-Cd-114

MAT 4849

48-Cd-114

(n, α)
Radionuclide Production Cross Section



— 46-Pd-111g
- - - 46-Pd-111m2

48-Cd-114

Incident Energy (MeV)

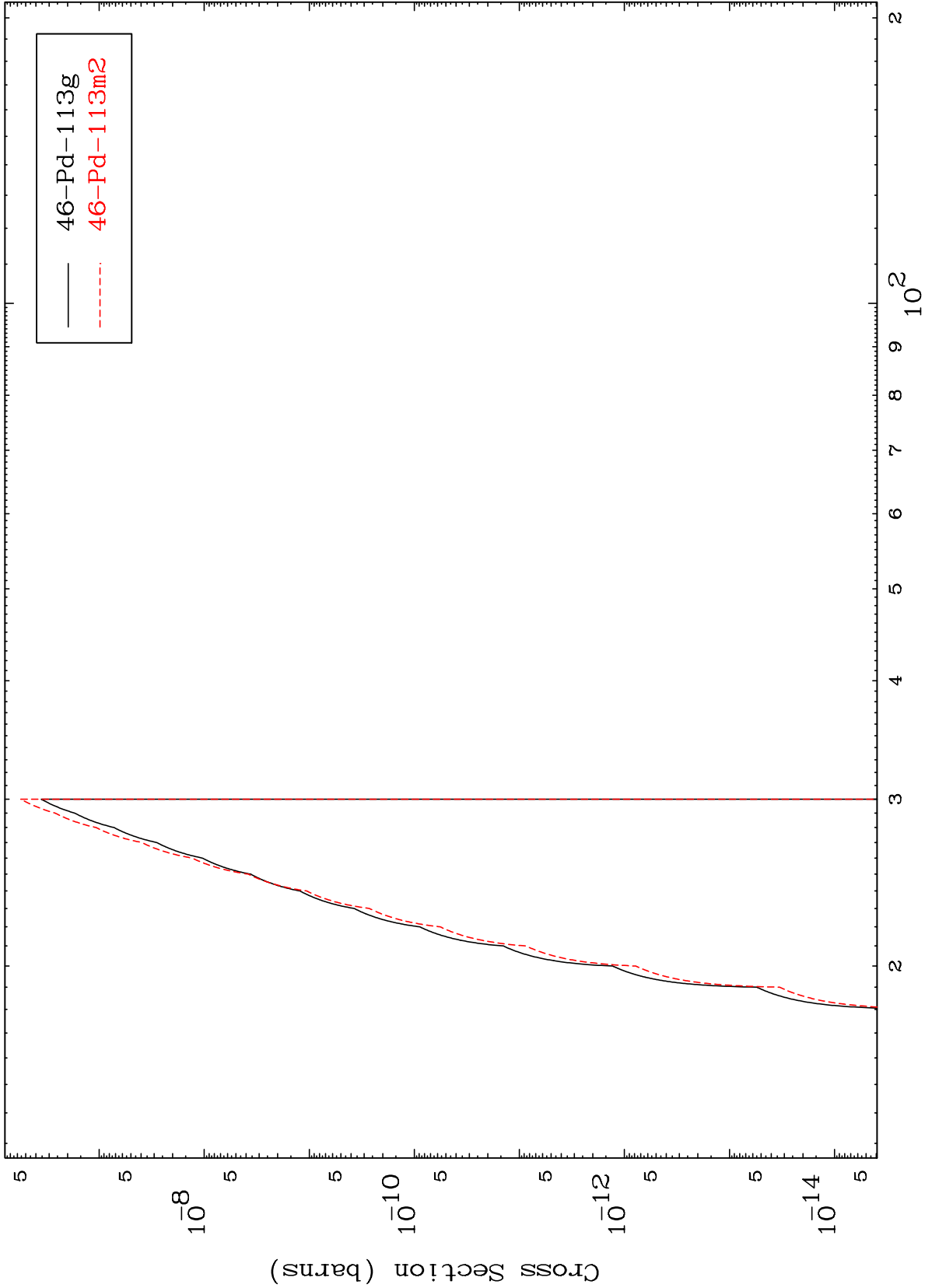
142

MAT 4849

(n,2p)

48-Cd-114

Radionuclide Production Cross Section



143

Incident Energy (MeV)

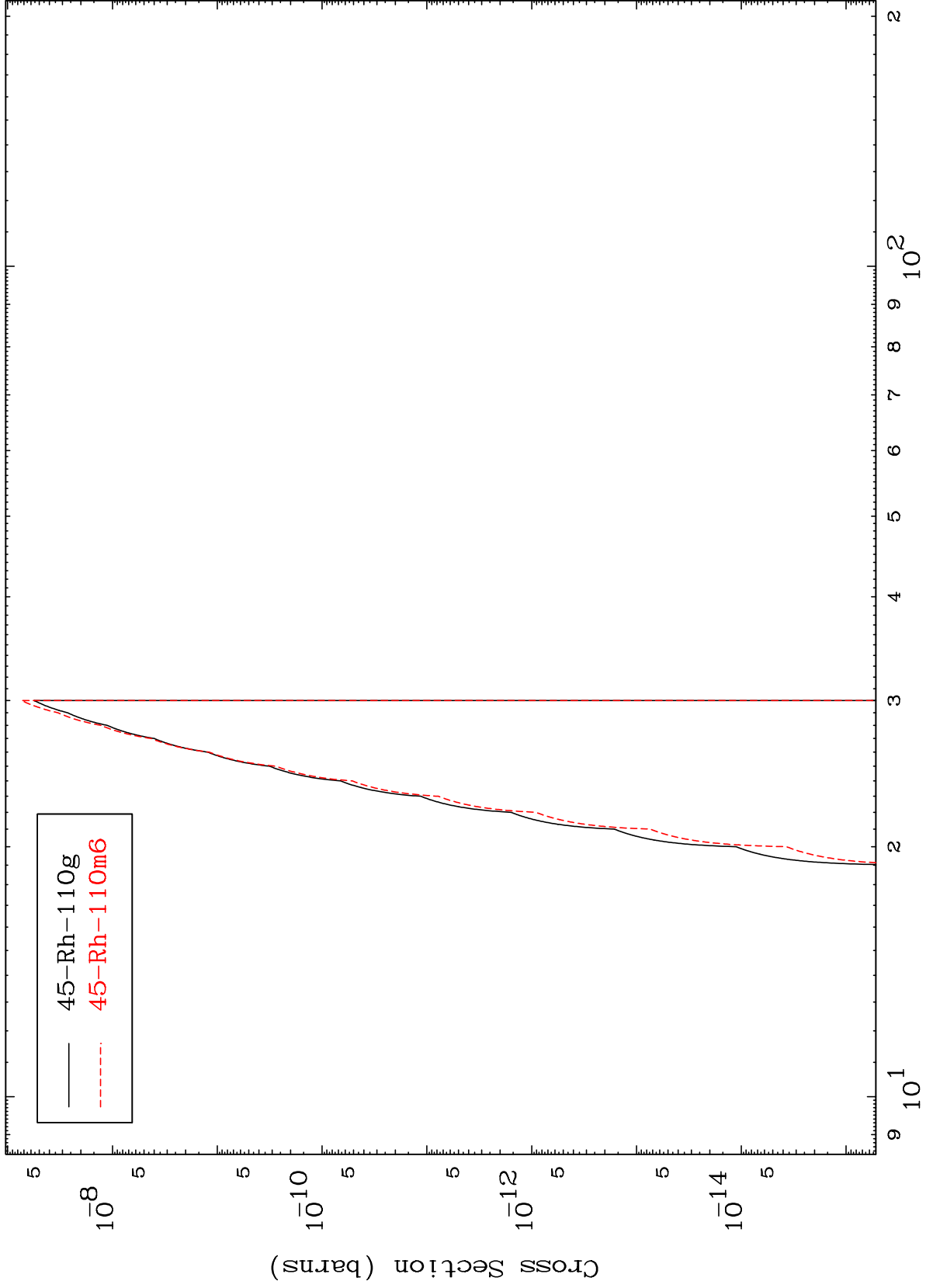
48-Cd-114

MAT 4849

(n,p) α

48-Cd-114

Radionuclide Production Cross Section



144

Incident Energy (MeV)

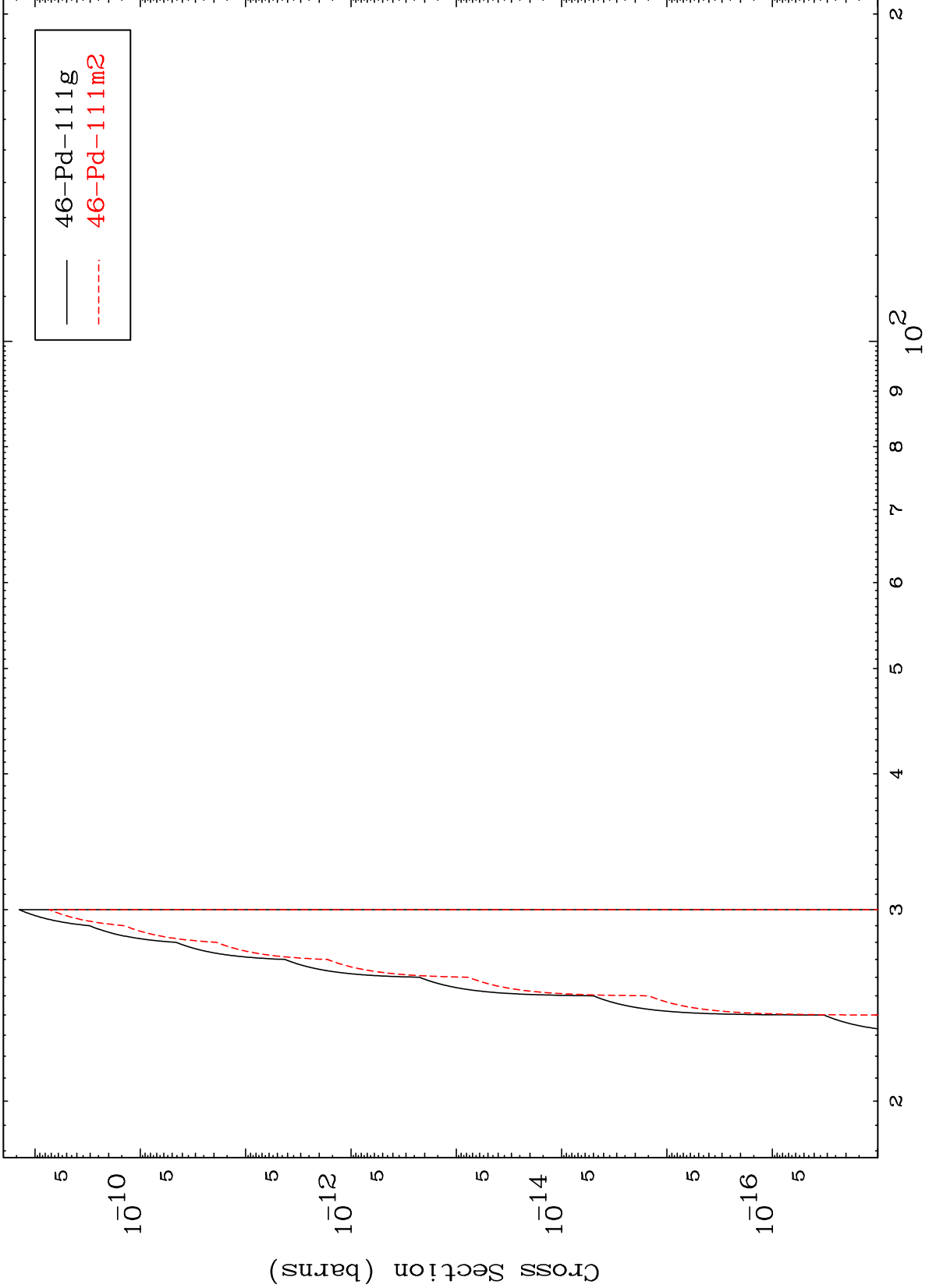
48-Cd-114

MAT 4849

(n,p) t

48-Cd-114

Radionuclide Production Cross Section



145

Incident Energy (MeV)

48-Cd-114