

Program EVALPLOT
(Version 2021-1)

by

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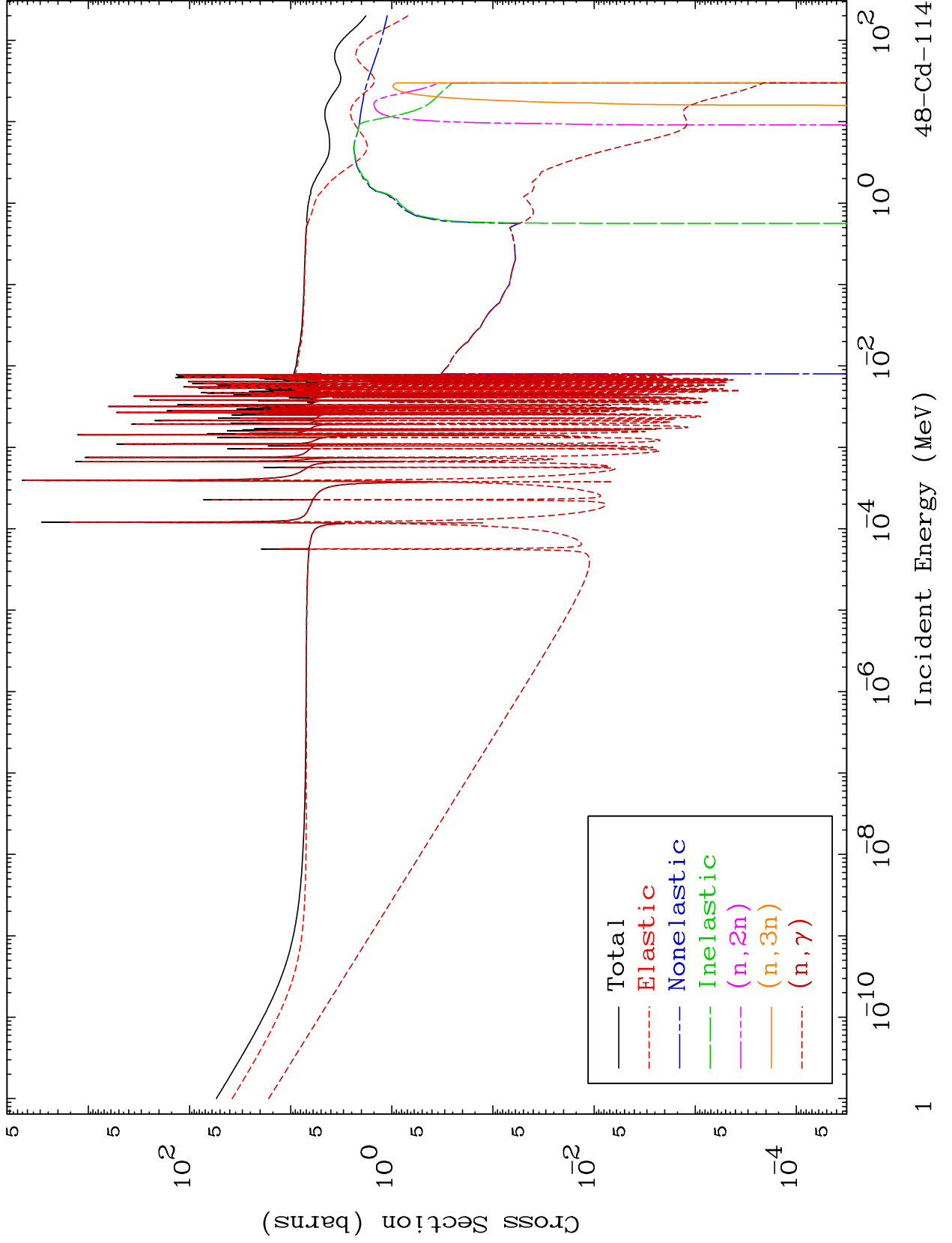
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4849

Neutron Major
293 Kelvin Cross Sections

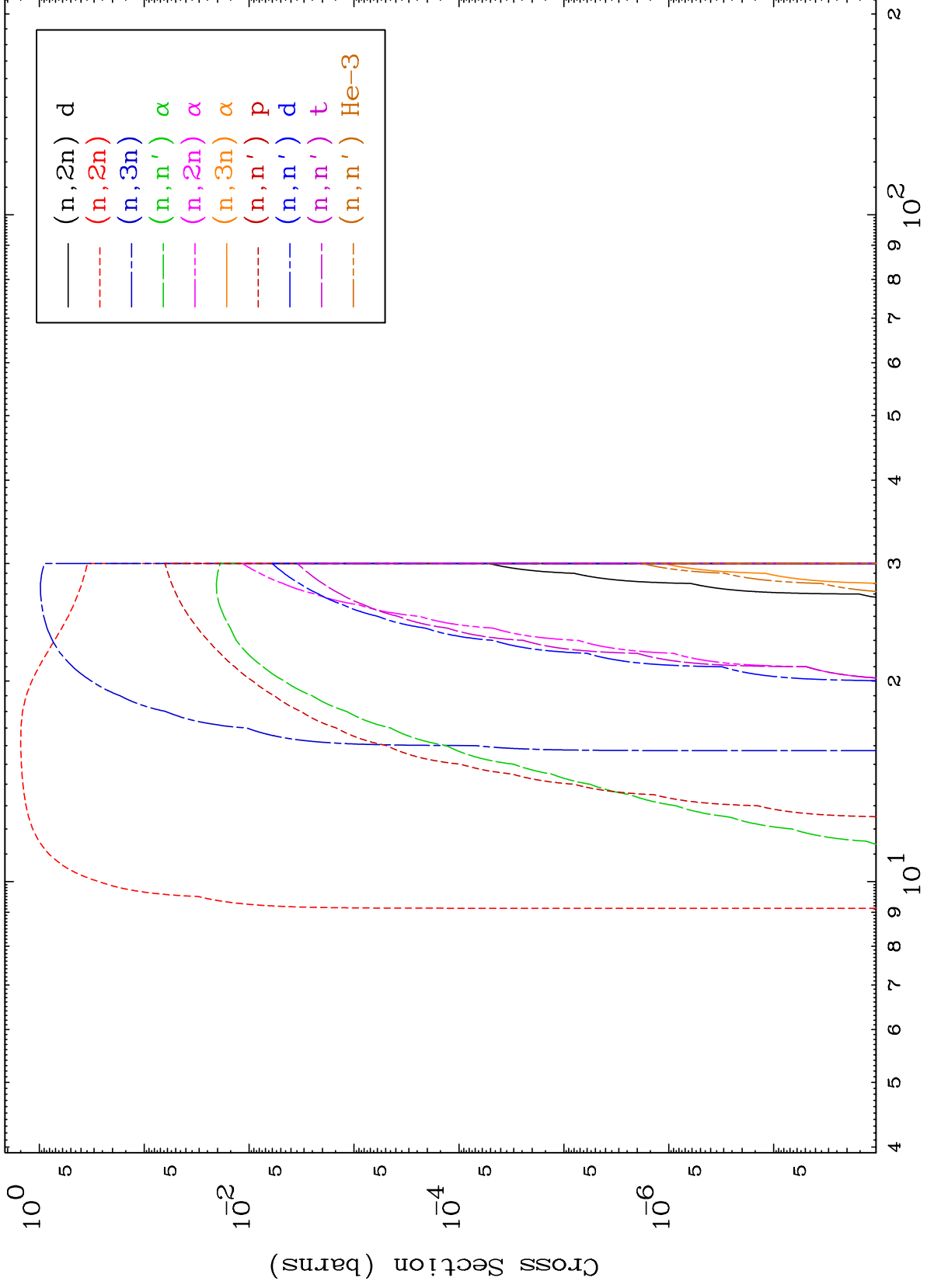
48-Cd-114



MAT 4849

Neutron Absorption
293 Kelvin Cross Sections

48-Cd-114



2

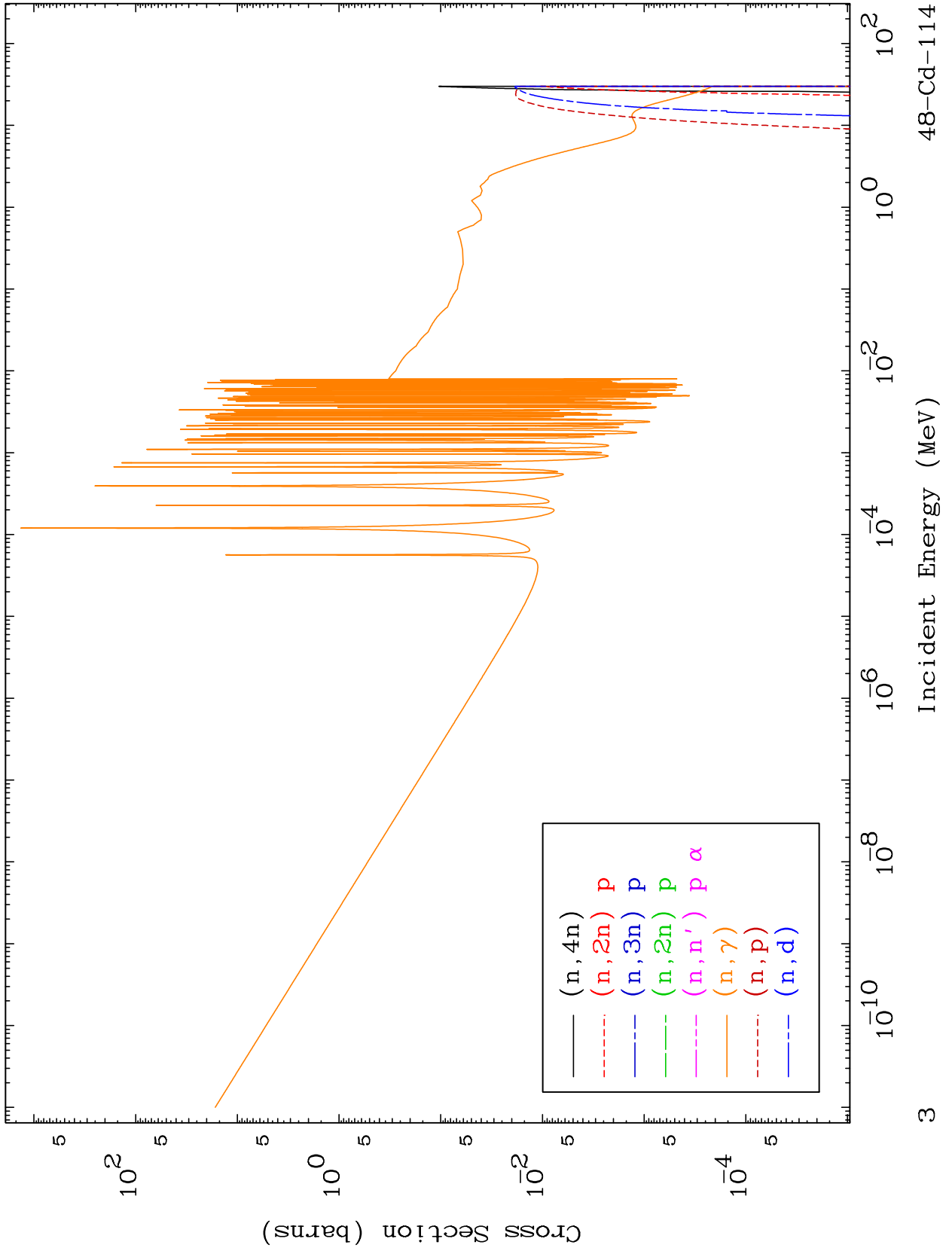
Incident Energy (MeV)

48-Cd-114

MAT 4849

Neutron Absorption
293 Kelvin Cross Sections

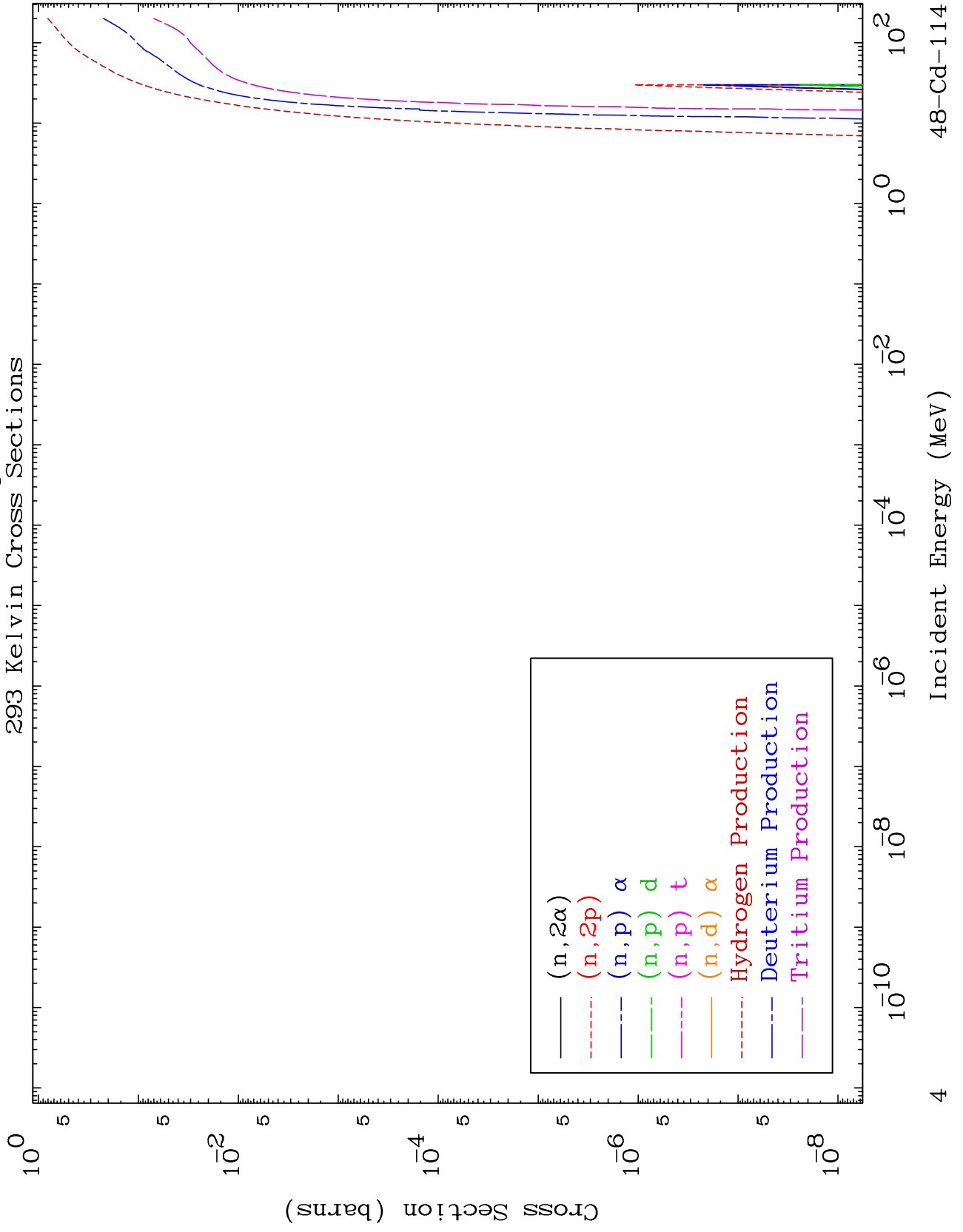
48-Cd-114



MAT 4849

Neutron Absorption
293 Kelvin Cross Sections

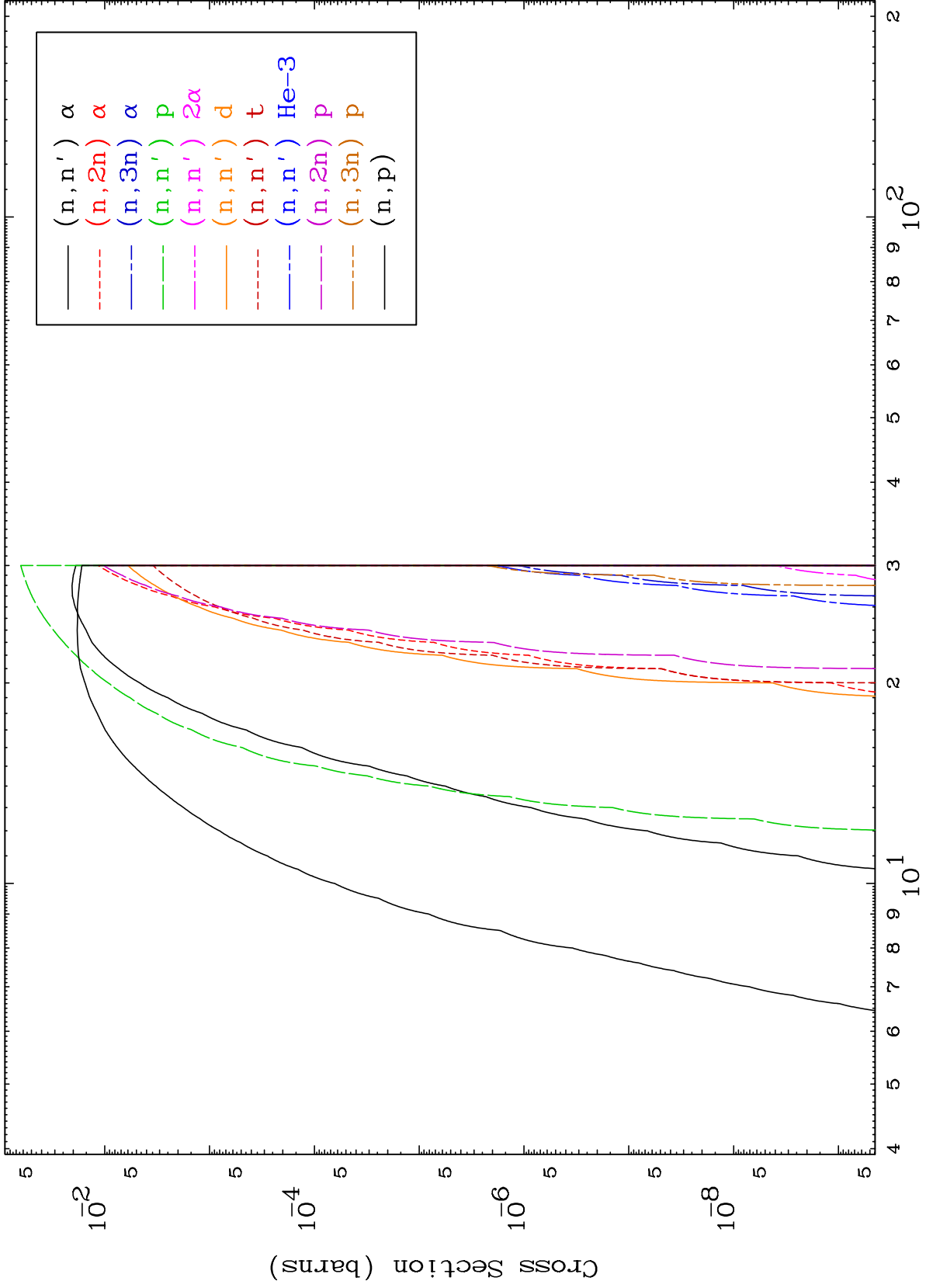
48-Cd-114



MAT 4849

Charged Particle
293 Kelvin Cross Sections

48-Cd-114



5

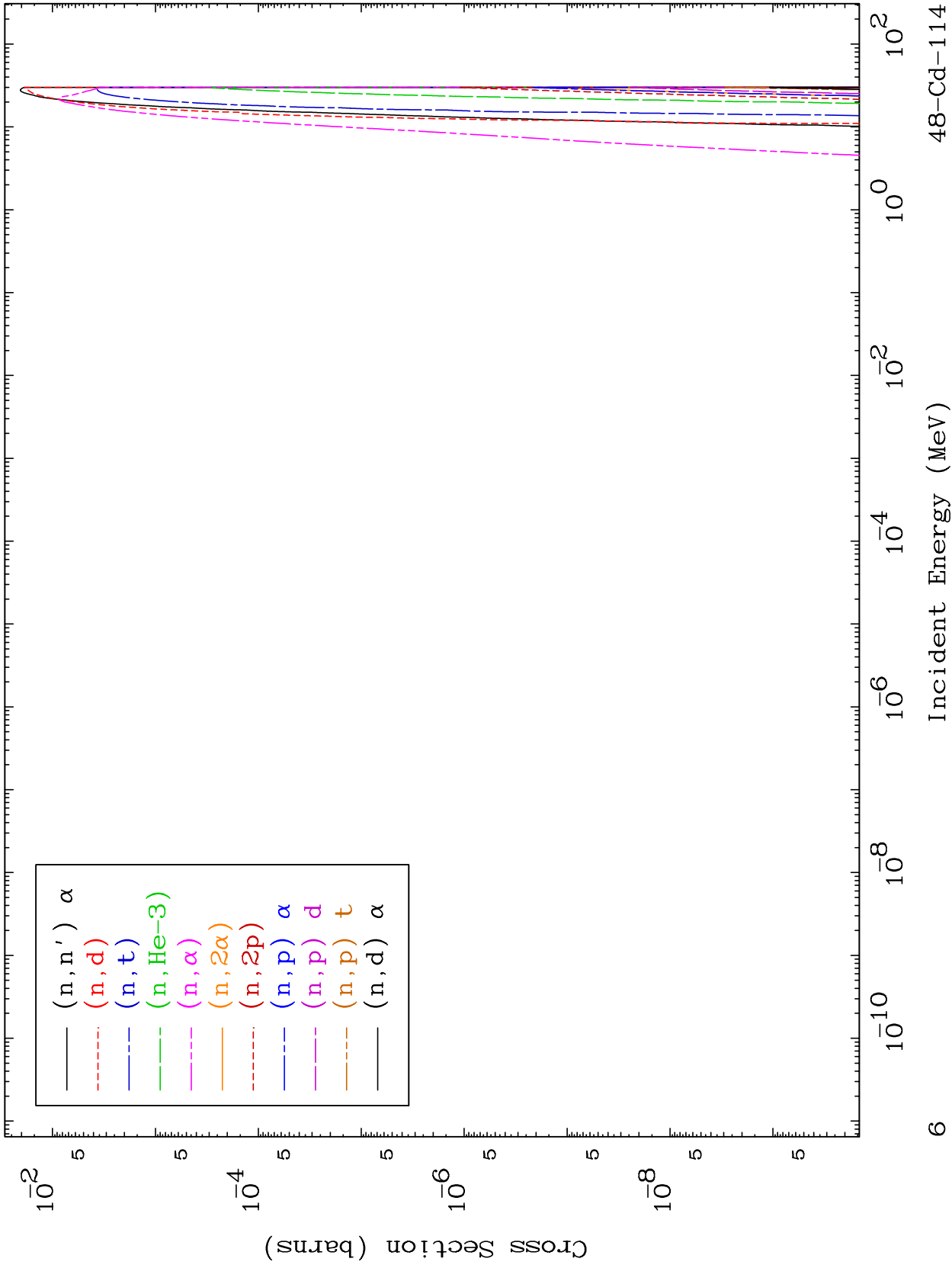
Incident Energy (MeV)

48-Cd-114

MAT 4849

Charged Particle
293 Kelvin Cross Sections

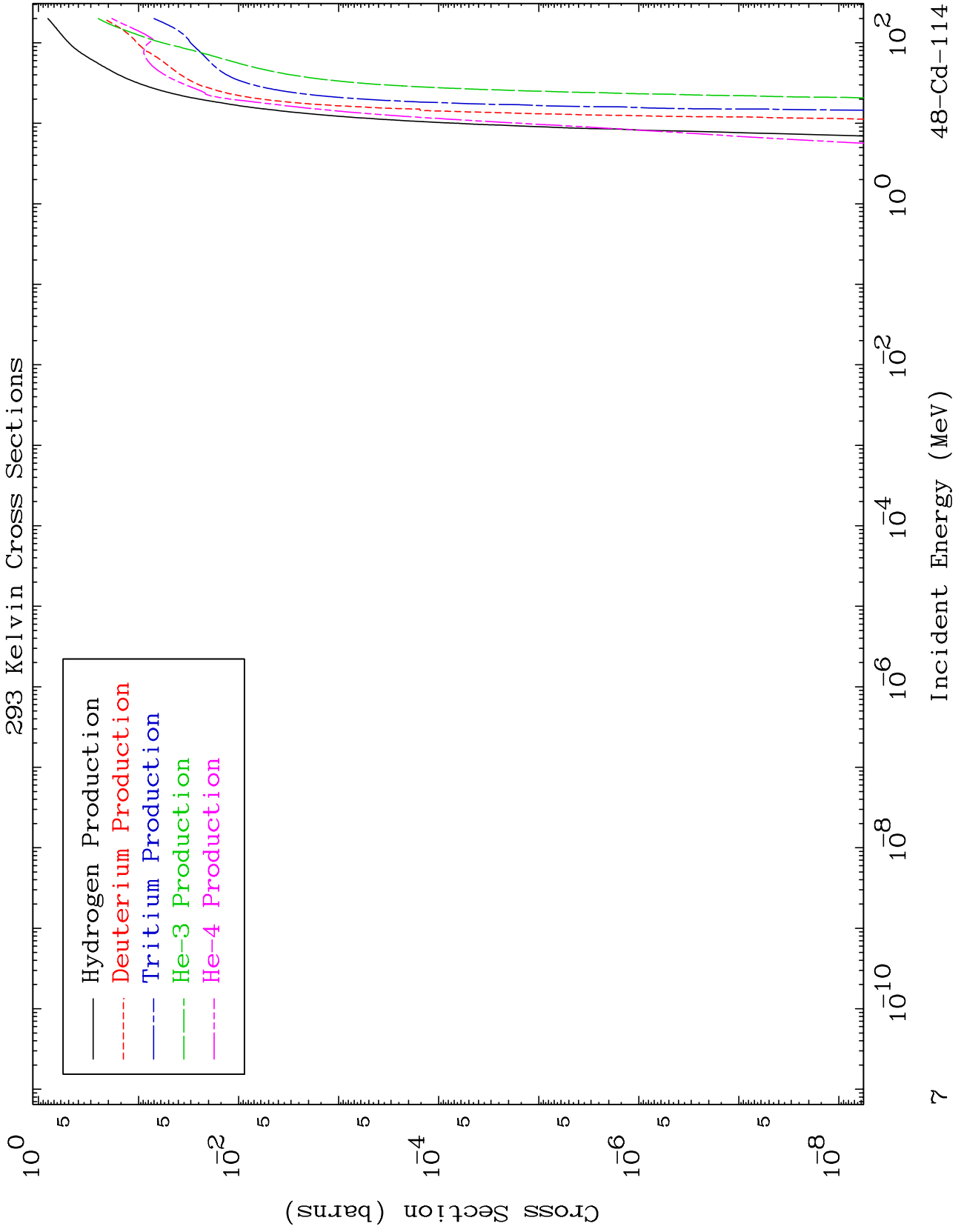
48-Cd-114



MAT 4849

Particle Production
293 Kelvin Cross Sections

48-Cd-114

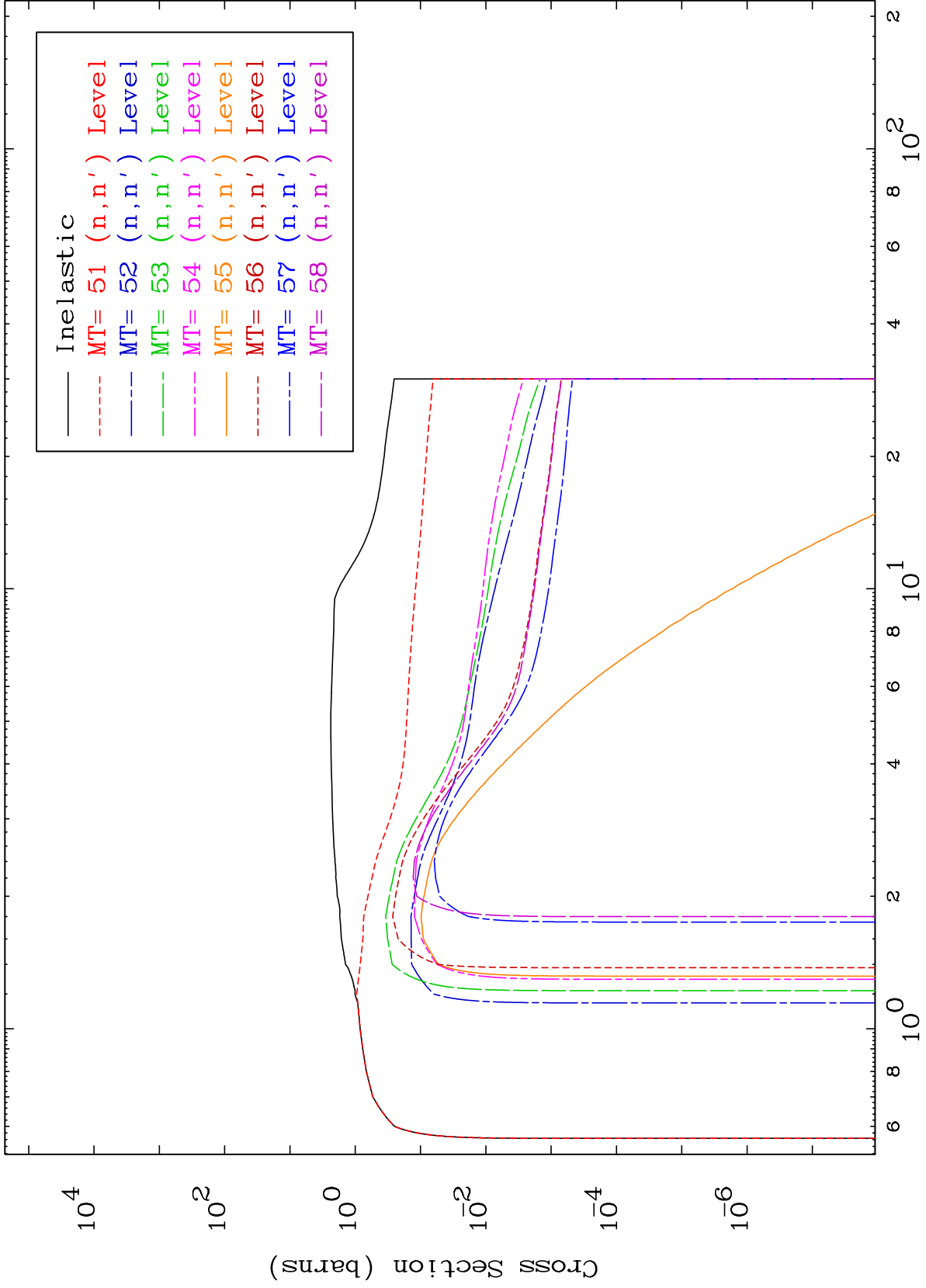


MAT 4849

(n,n') Levels

48-Cd-114

293 Kelvin Cross Sections



8

Incident Energy (MeV)

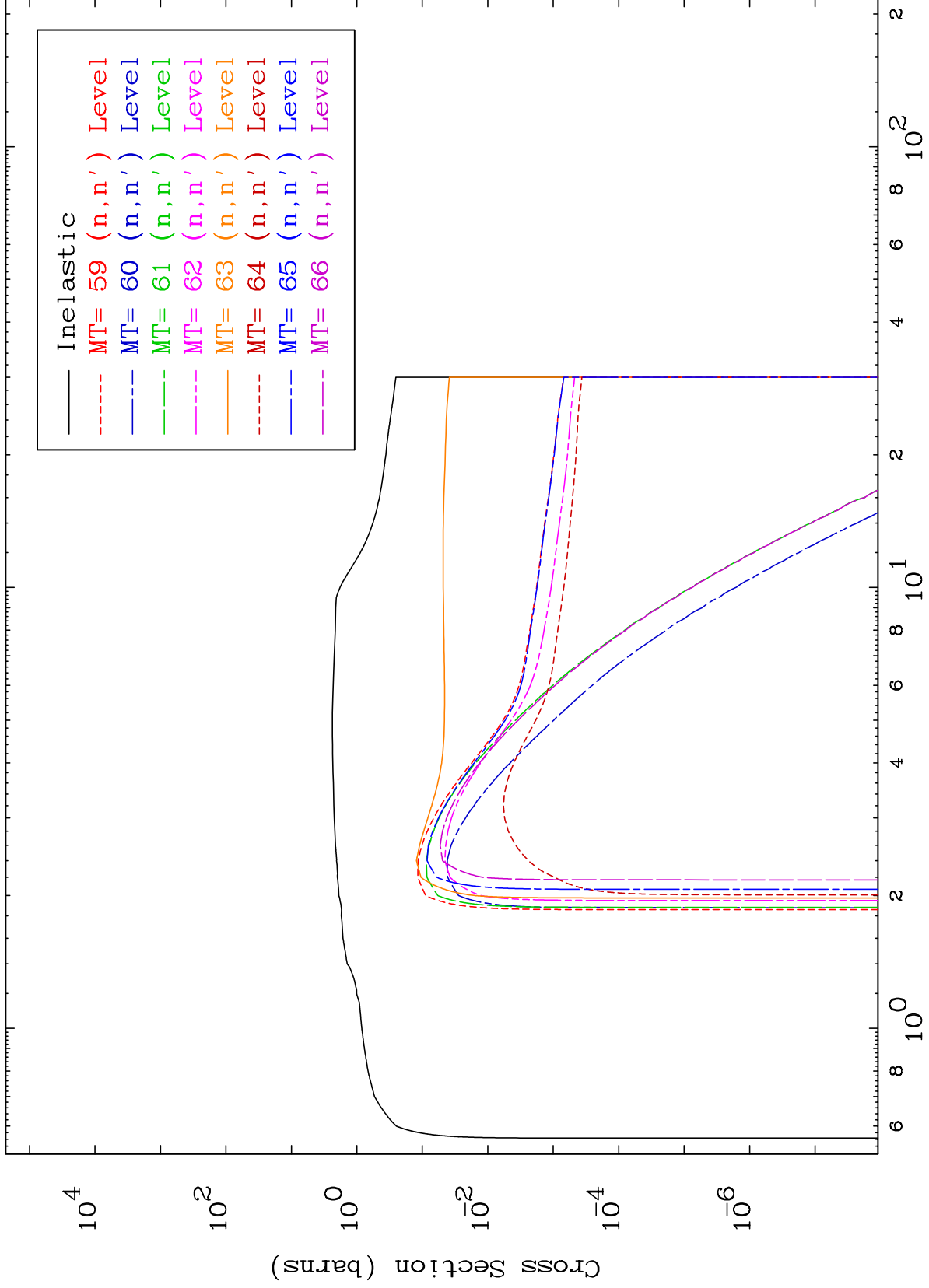
48-Cd-114

MAT 4849

(n,n') Levels

48-Cd-114

293 Kelvin Cross Sections



9

Incident Energy (MeV)

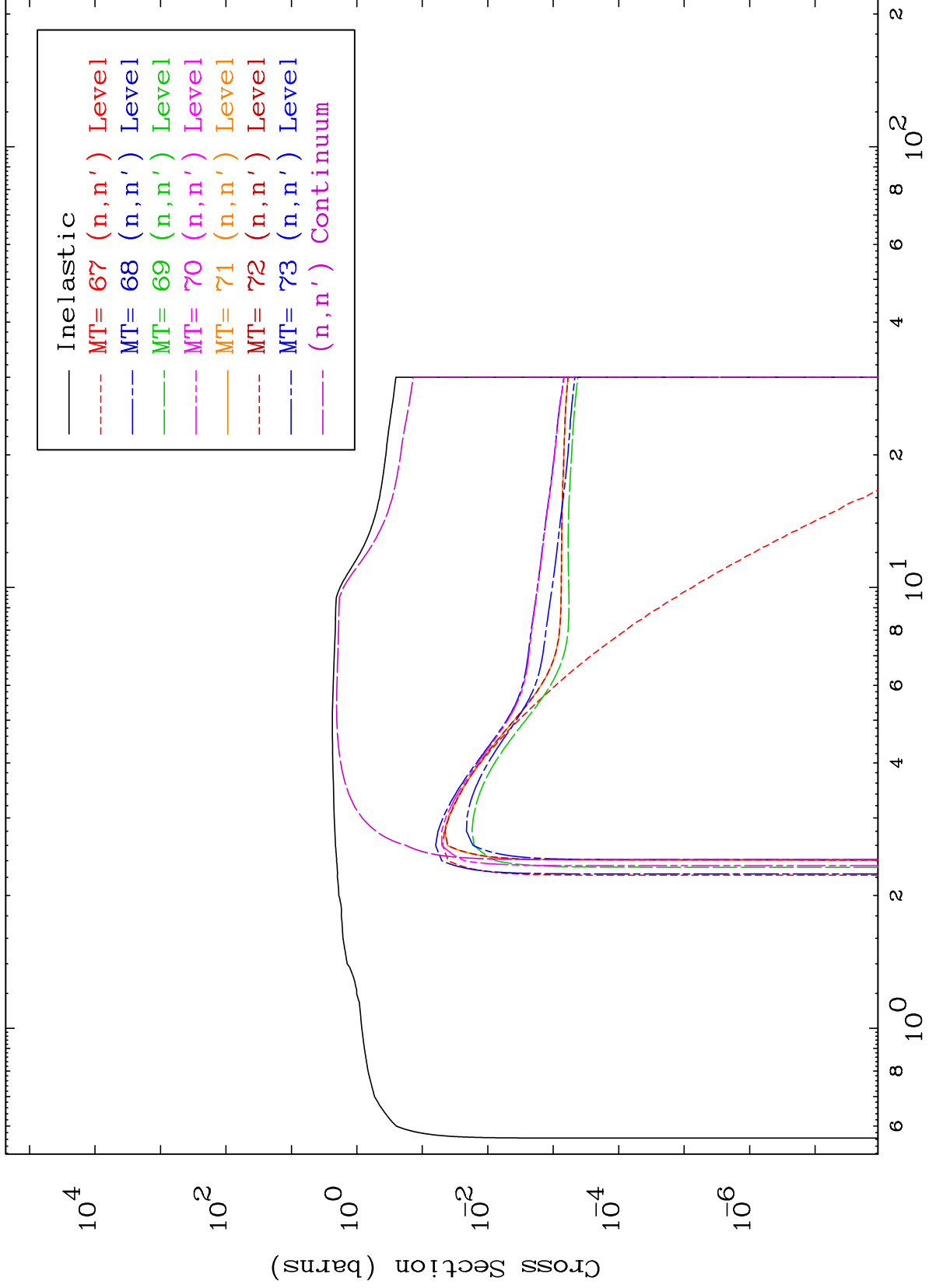
48-Cd-114

MAT 4849

(n,n') Levels

48-Cd-114

293 Kelvin Cross Sections



10

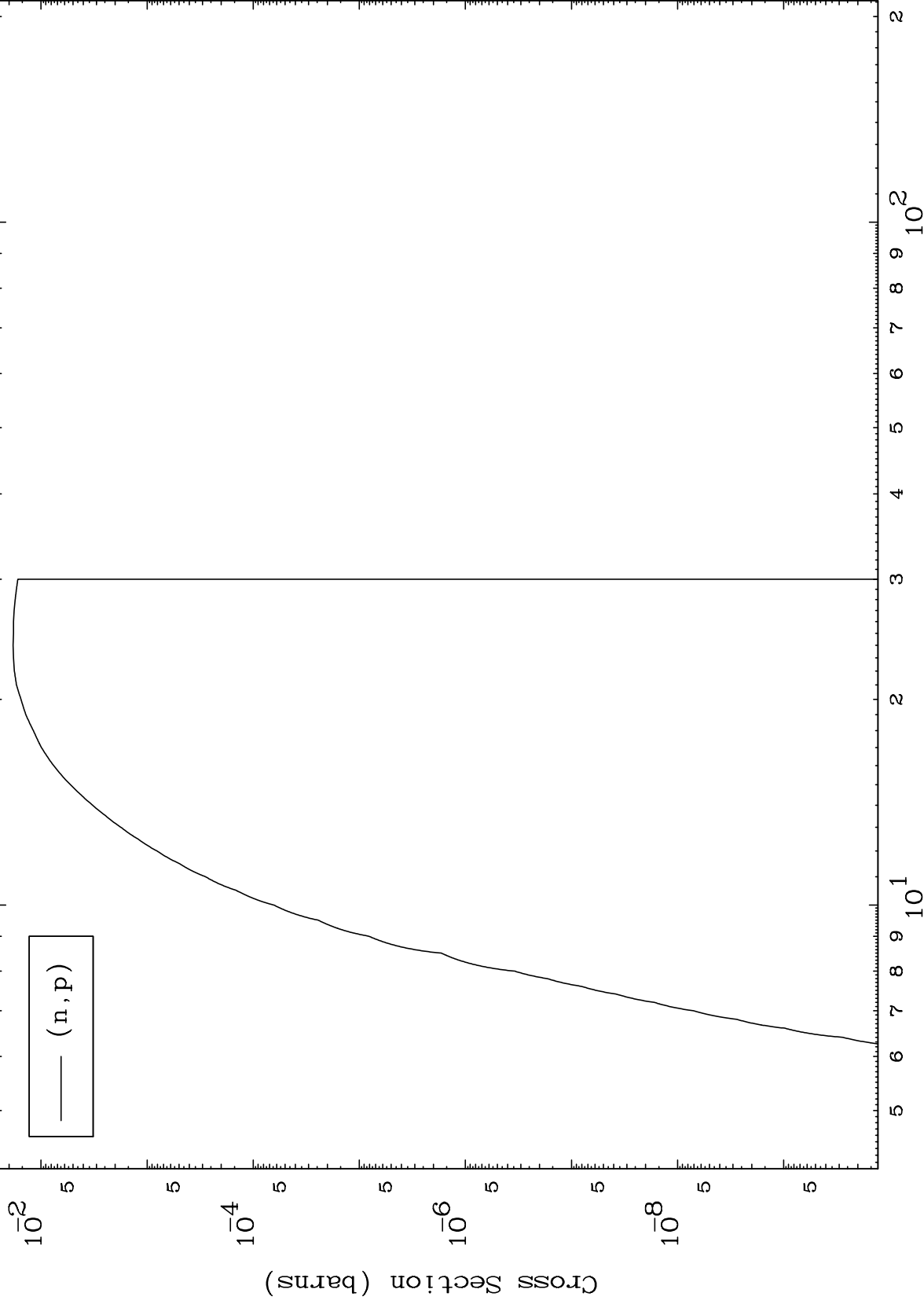
Incident Energy (MeV)

48-Cd-114

MAT 4849

(n,p) Levels
293 Kelvin Cross Sections

48-Cd-114



11

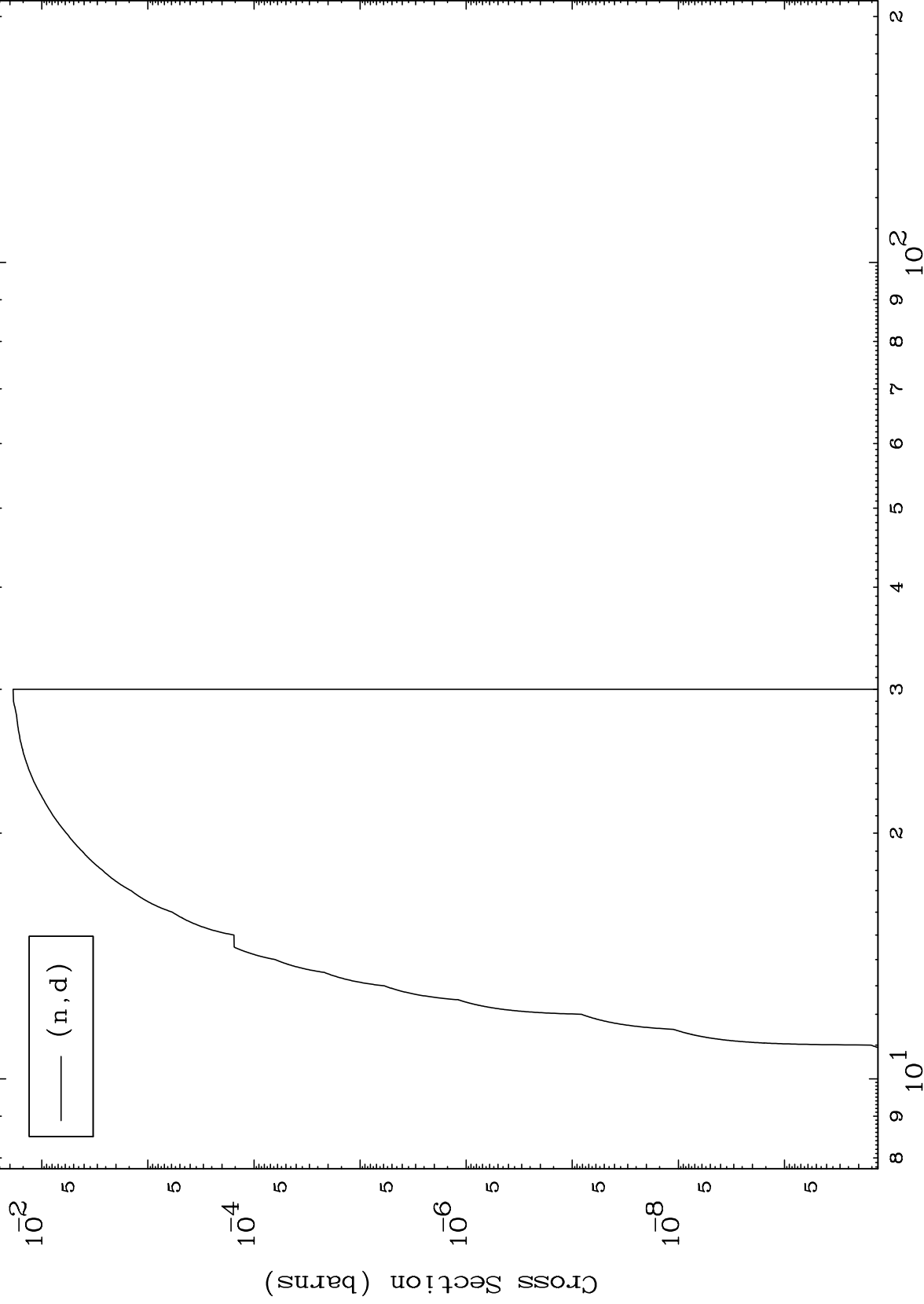
Incident Energy (MeV)

48-Cd-114

MAT 4849

(n,d) Levels
293 Kelvin Cross Sections

48-Cd-114



12

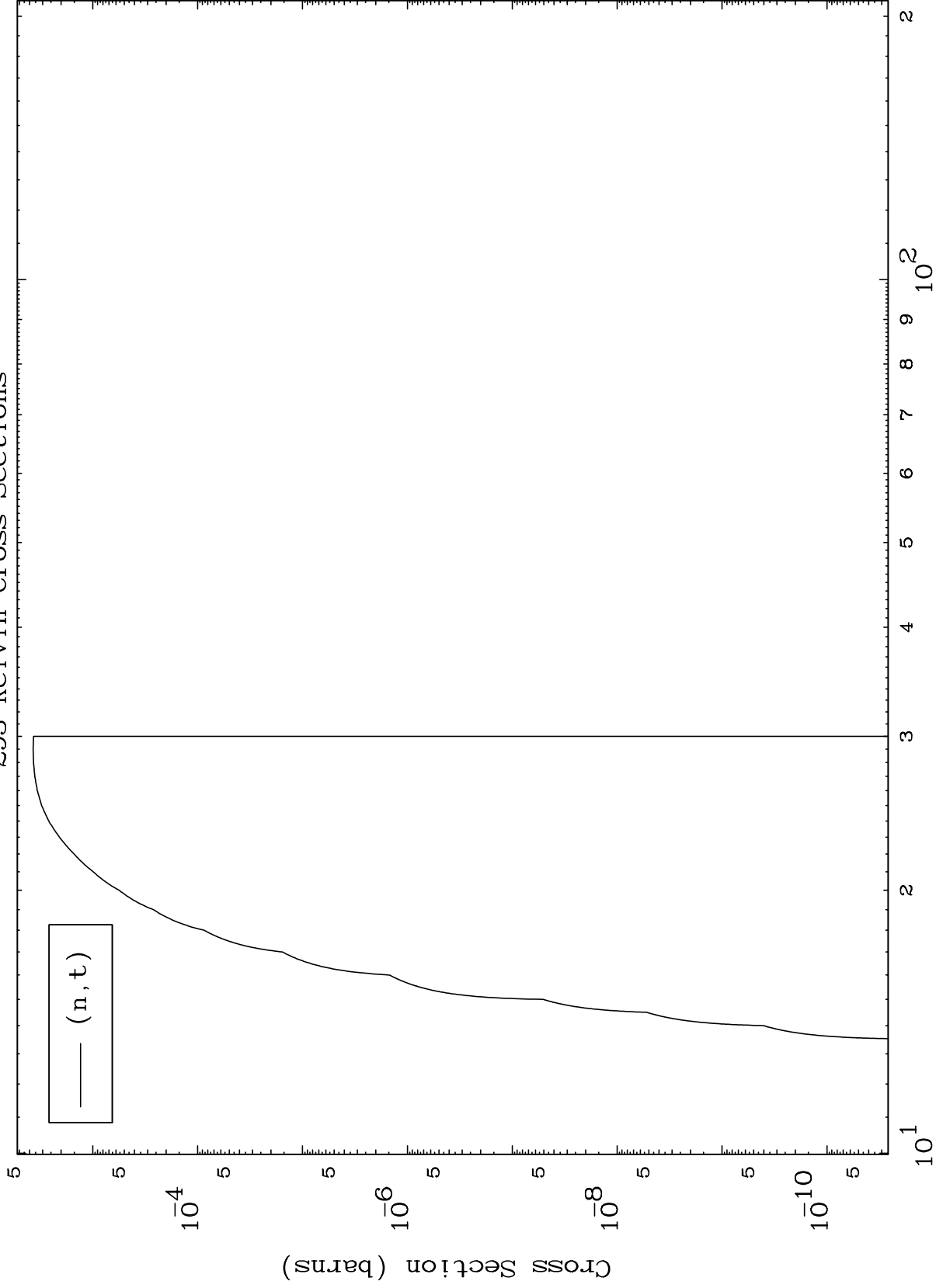
Incident Energy (MeV)

48-Cd-114

MAT 4849

(n,t) Levels
293 Kelvin Cross Sections

48-Cd-114



Incident Energy (MeV)

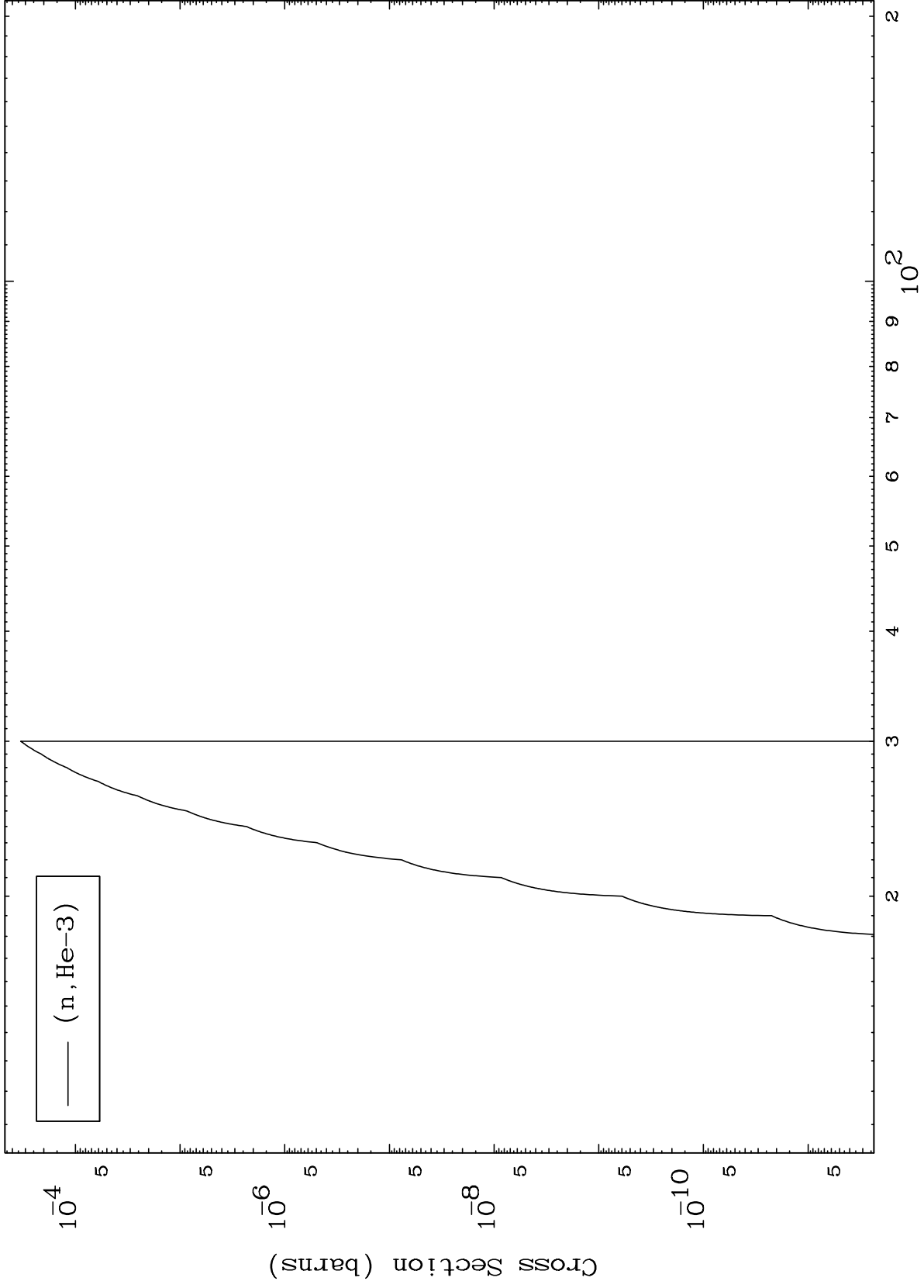
48-Cd-114

13

MAT 4849

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-114



14

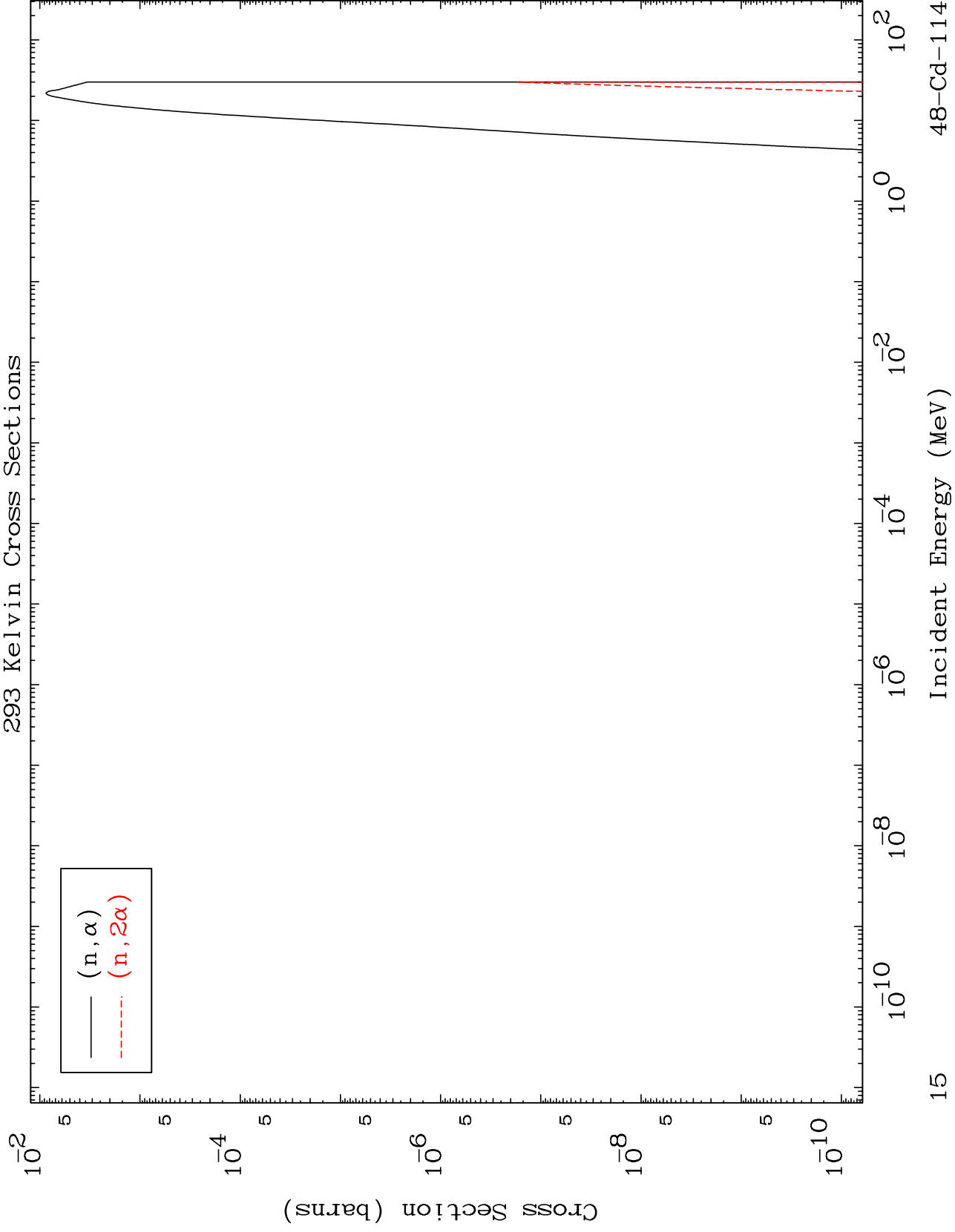
Incident Energy (MeV)

48-Cd-114

MAT 4849

(n, α) Levels
293 Kelvin Cross Sections

48-Cd-114

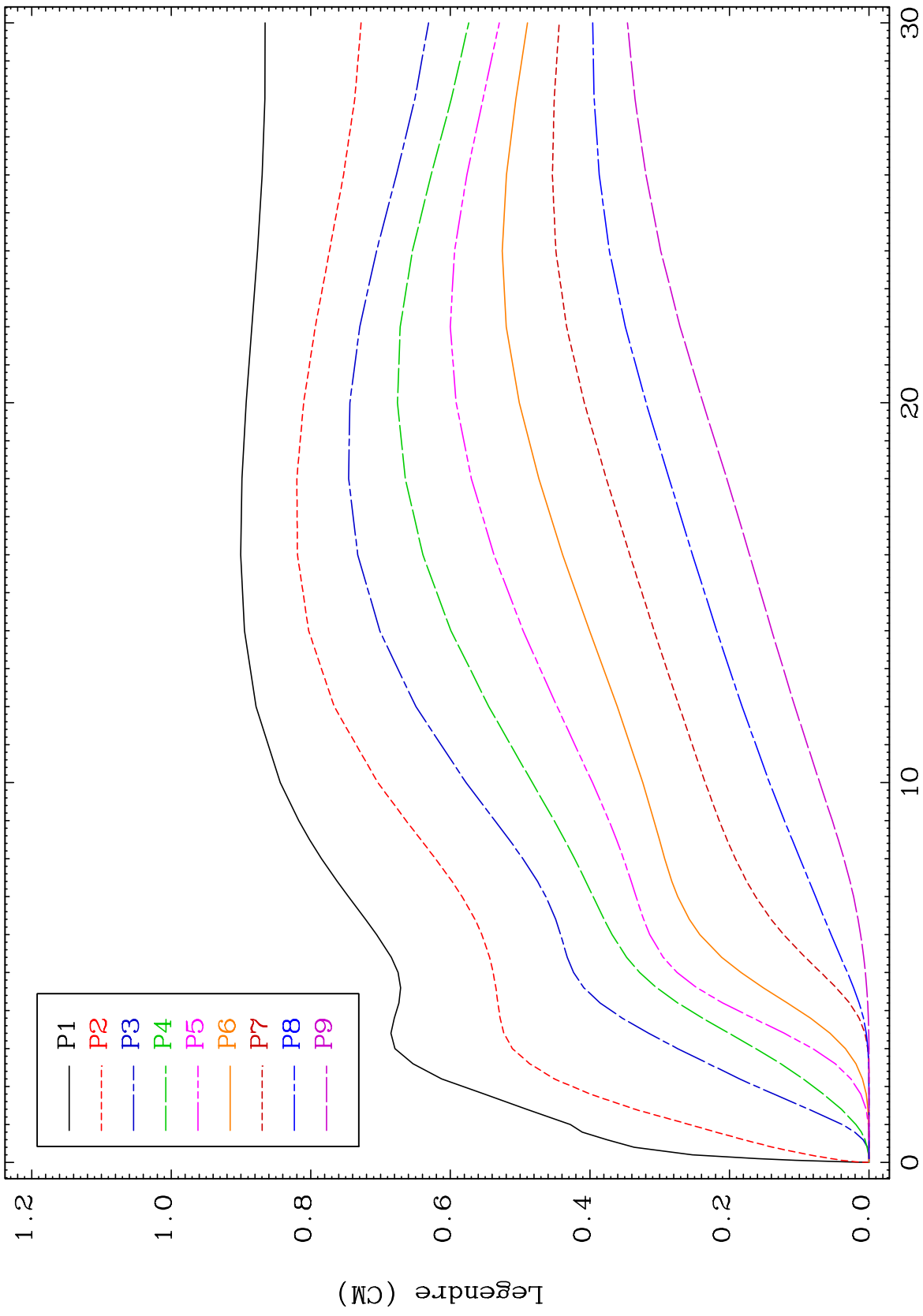


15

MAT 4849

Elastic Legendre Coefficients

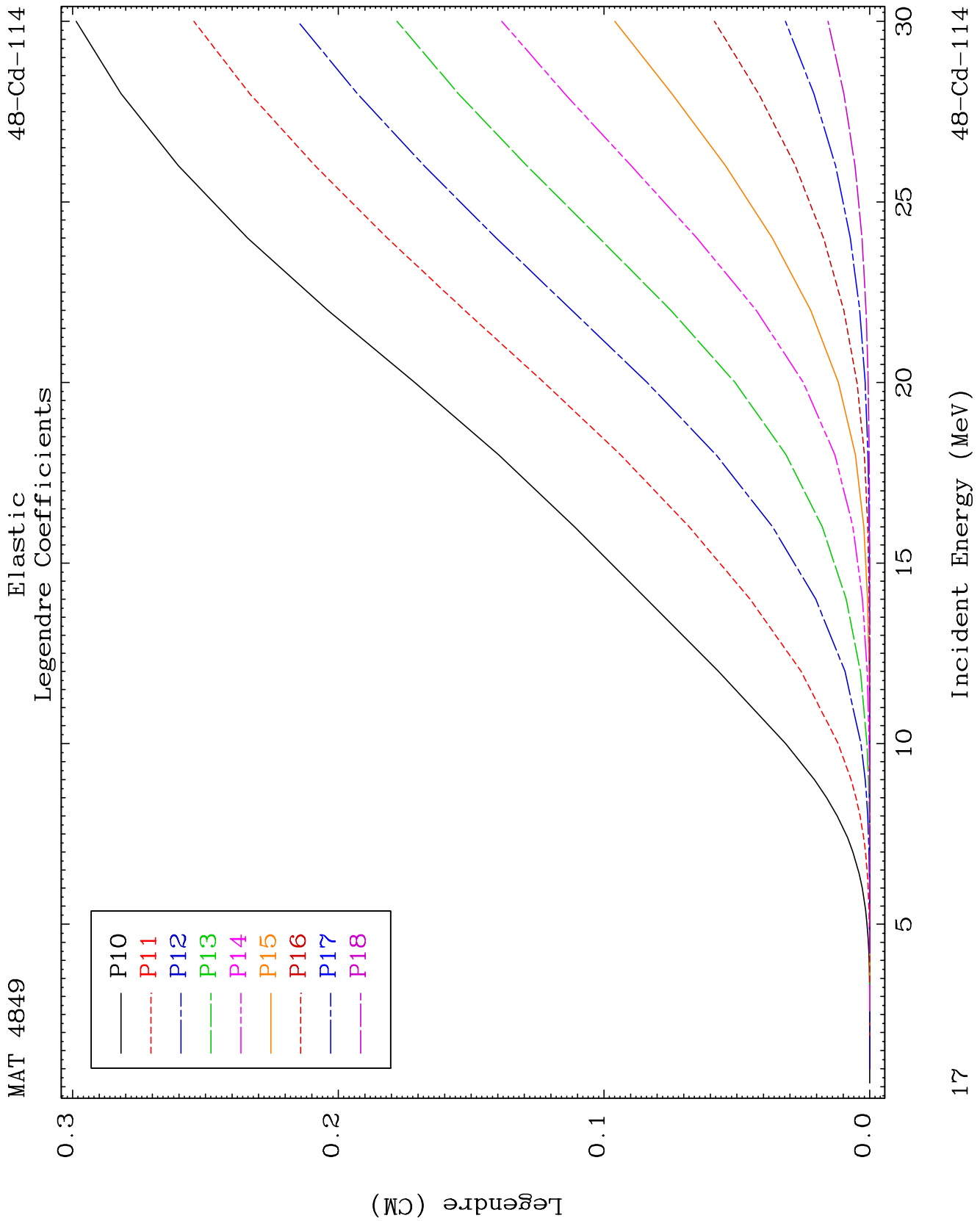
48-Cd-114



16

Incident Energy (MeV)

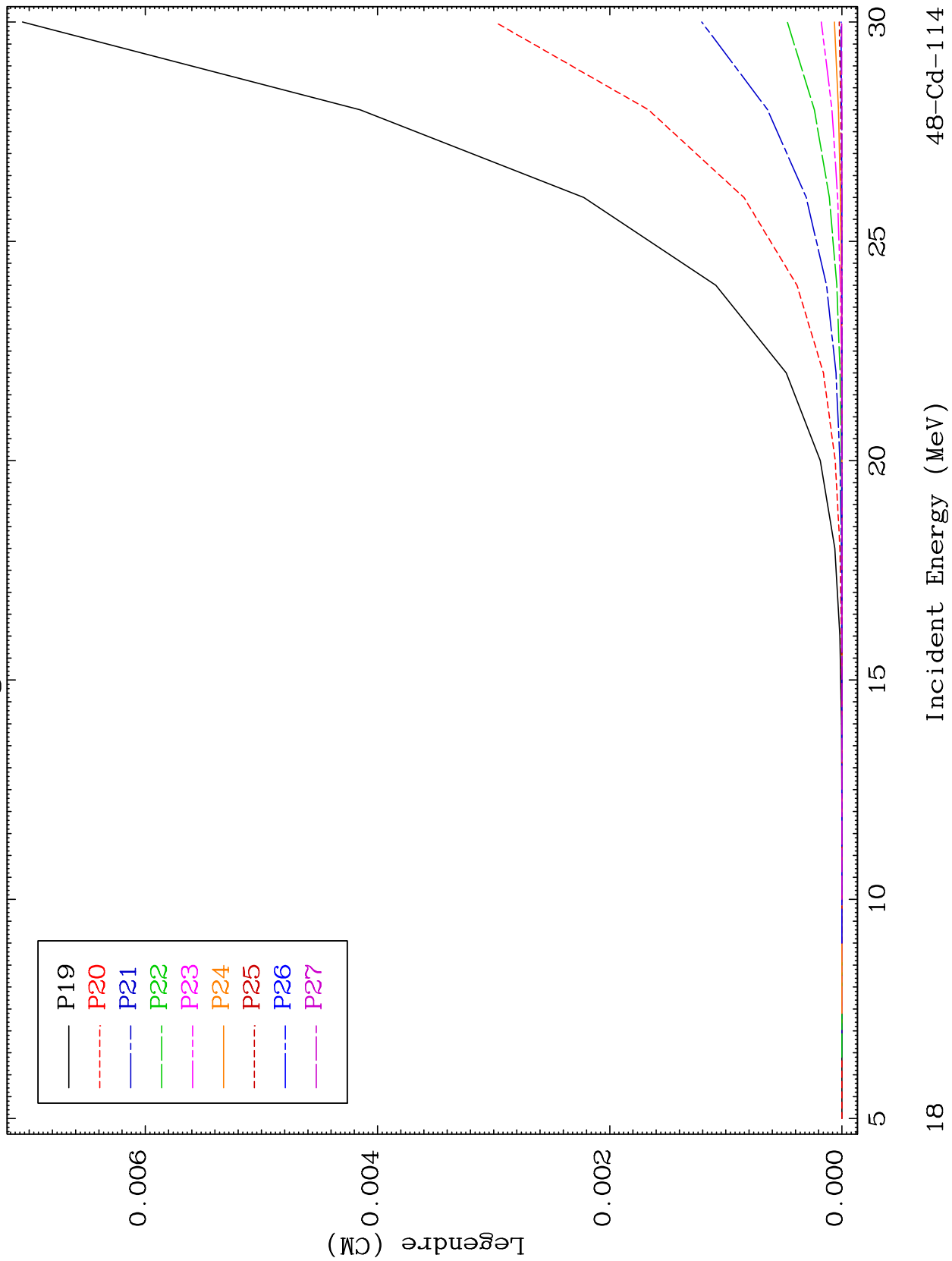
48-Cd-114



MAT 4849

Elastic Legendre Coefficients

48-Cd-114



18

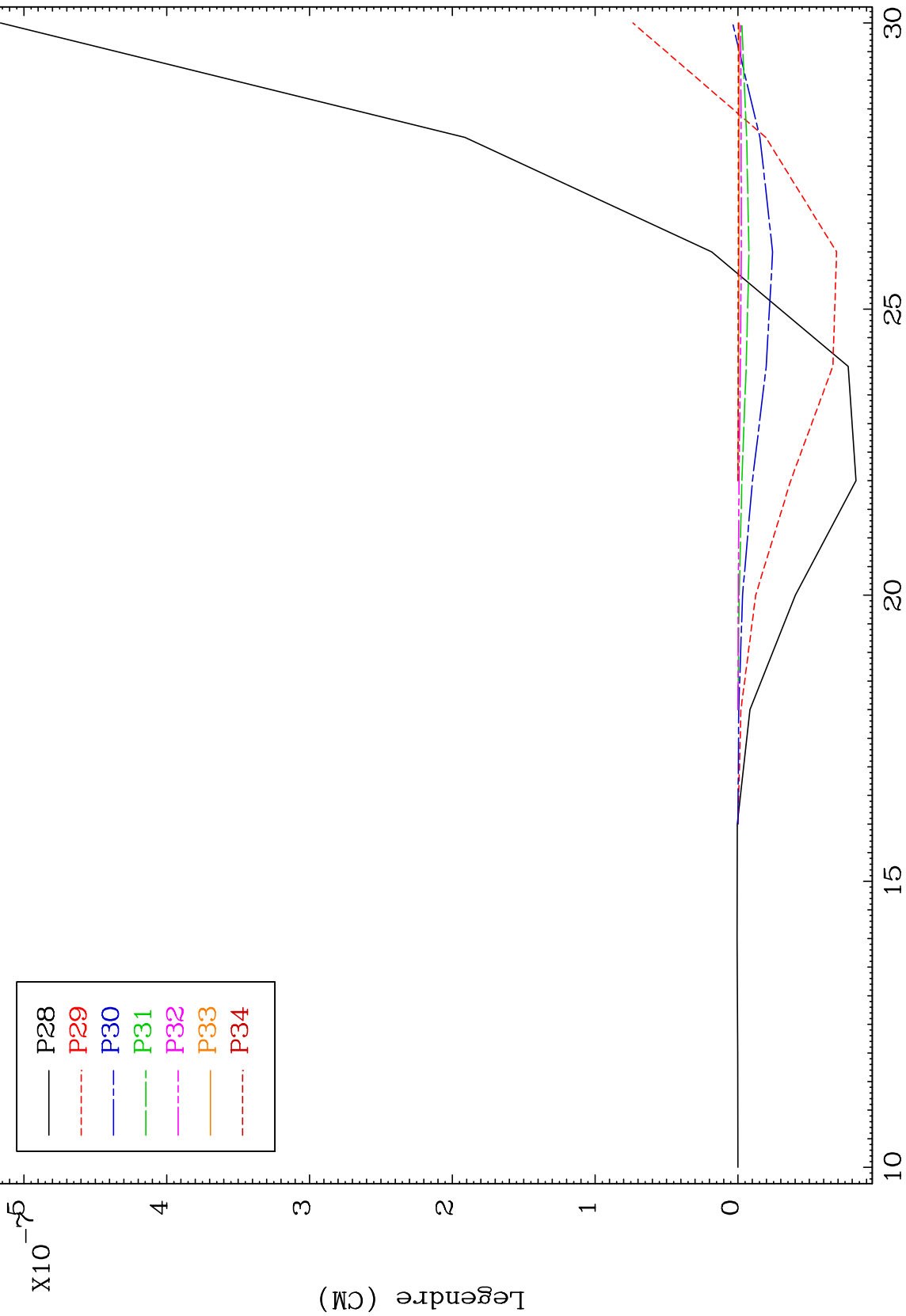
Incident Energy (MeV)

48-Cd-114

MAT 4849

Elastic Legendre Coefficients

48-Cd-114



19

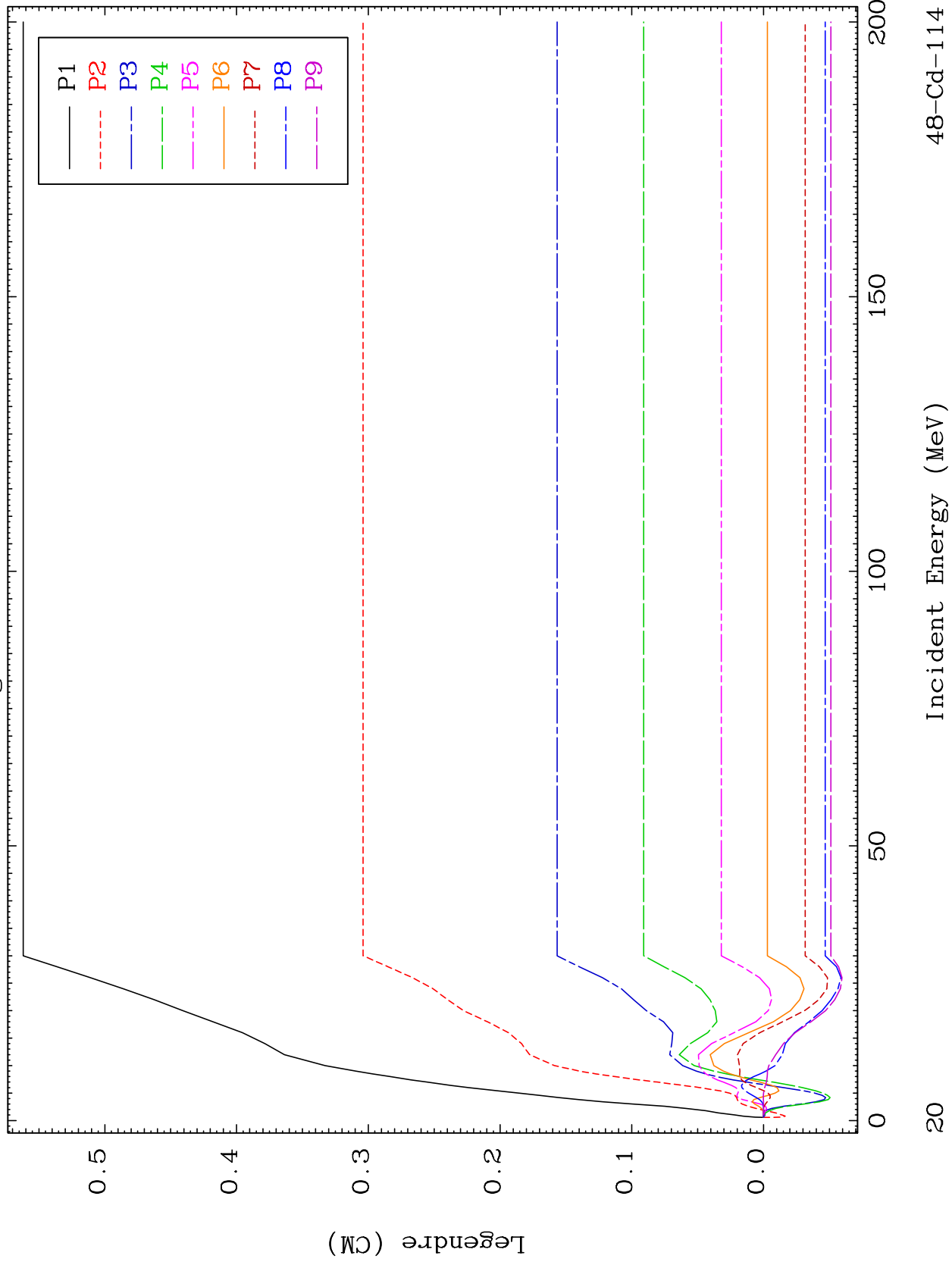
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114

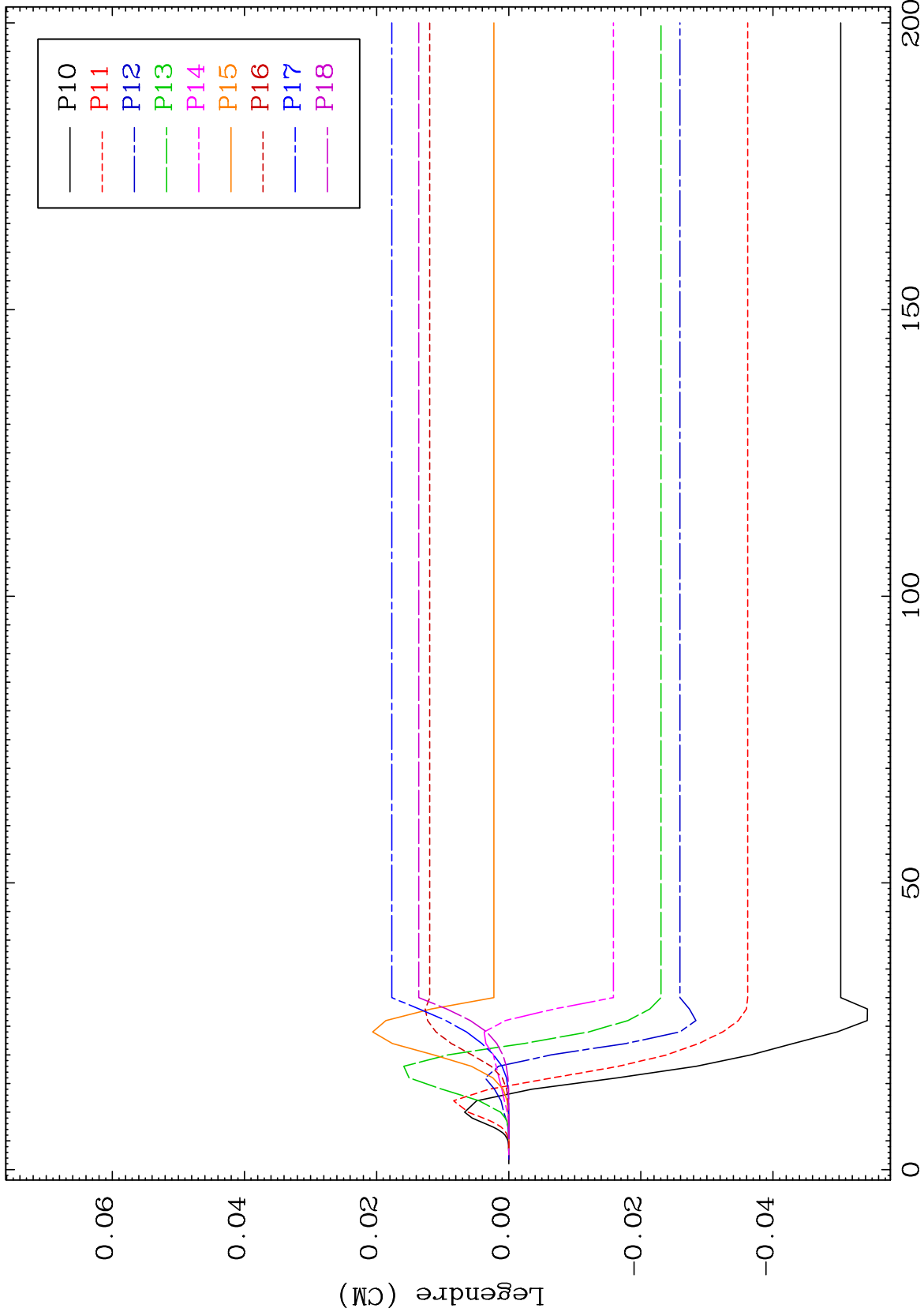


48-Cd-114

MAT 4849

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

48-Cd-114



21

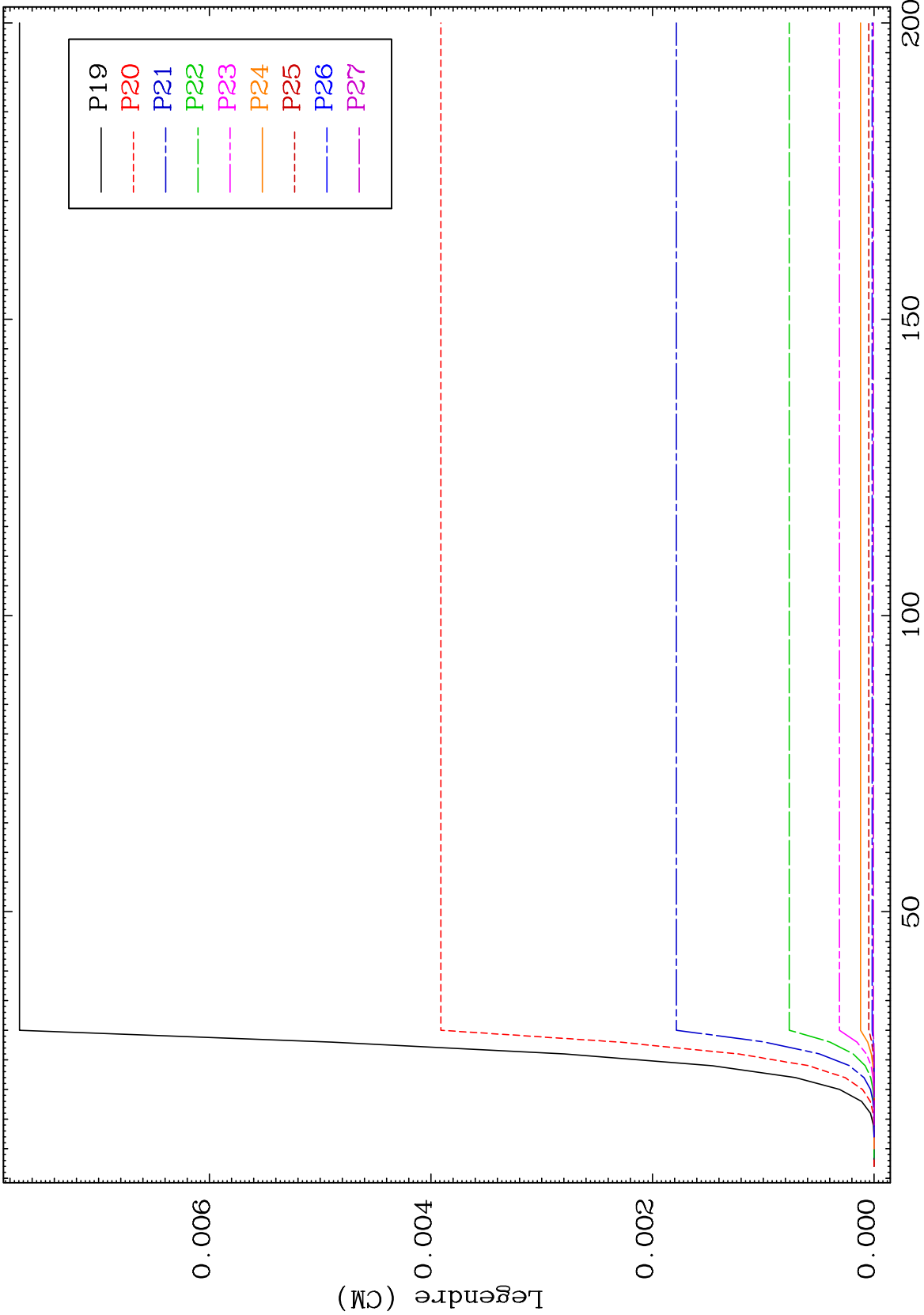
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



22

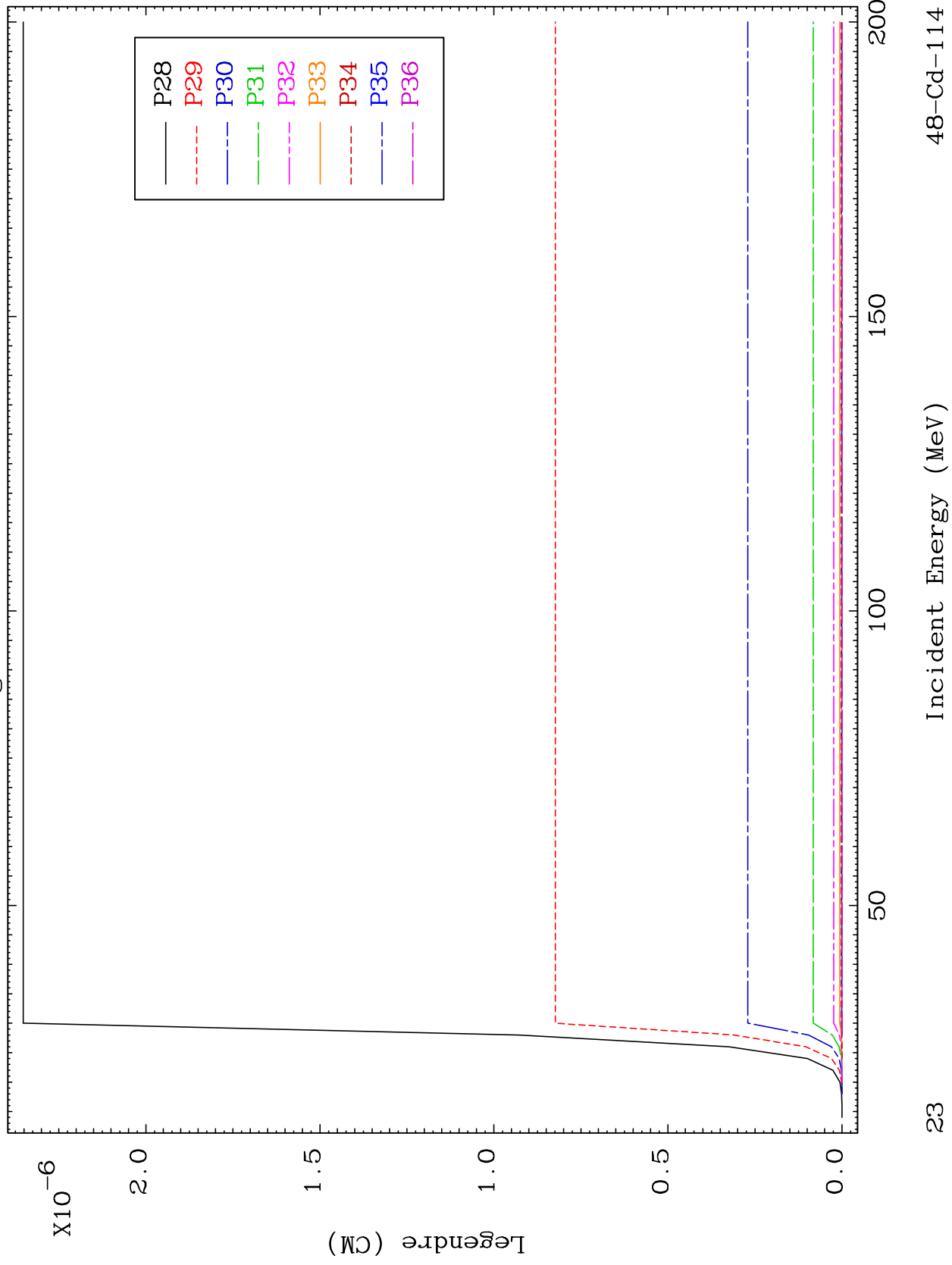
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



23

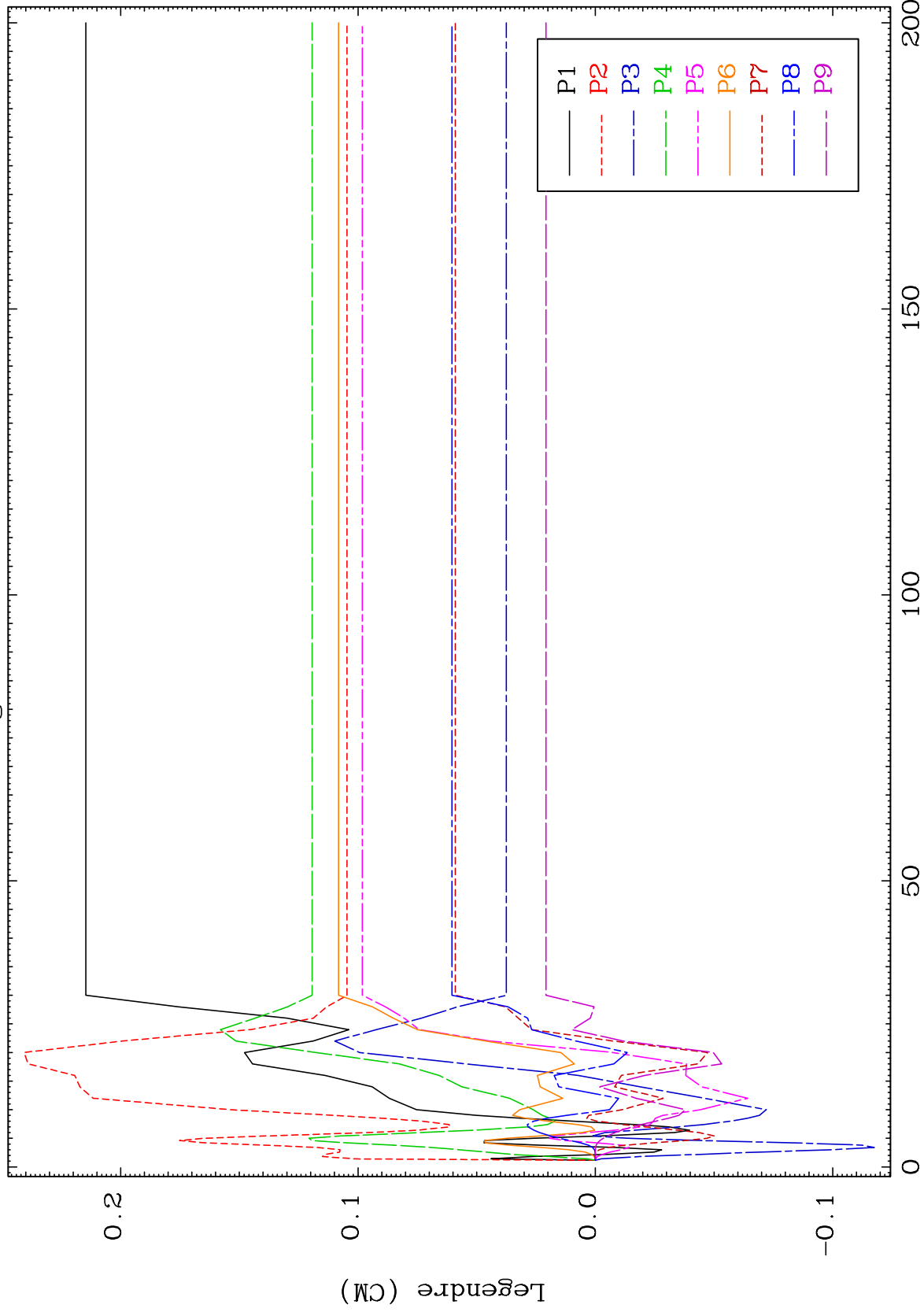
Incident Energy (MeV)

48-Cd-114

MAT 4849

48-Cd-114

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



48-Cd-114

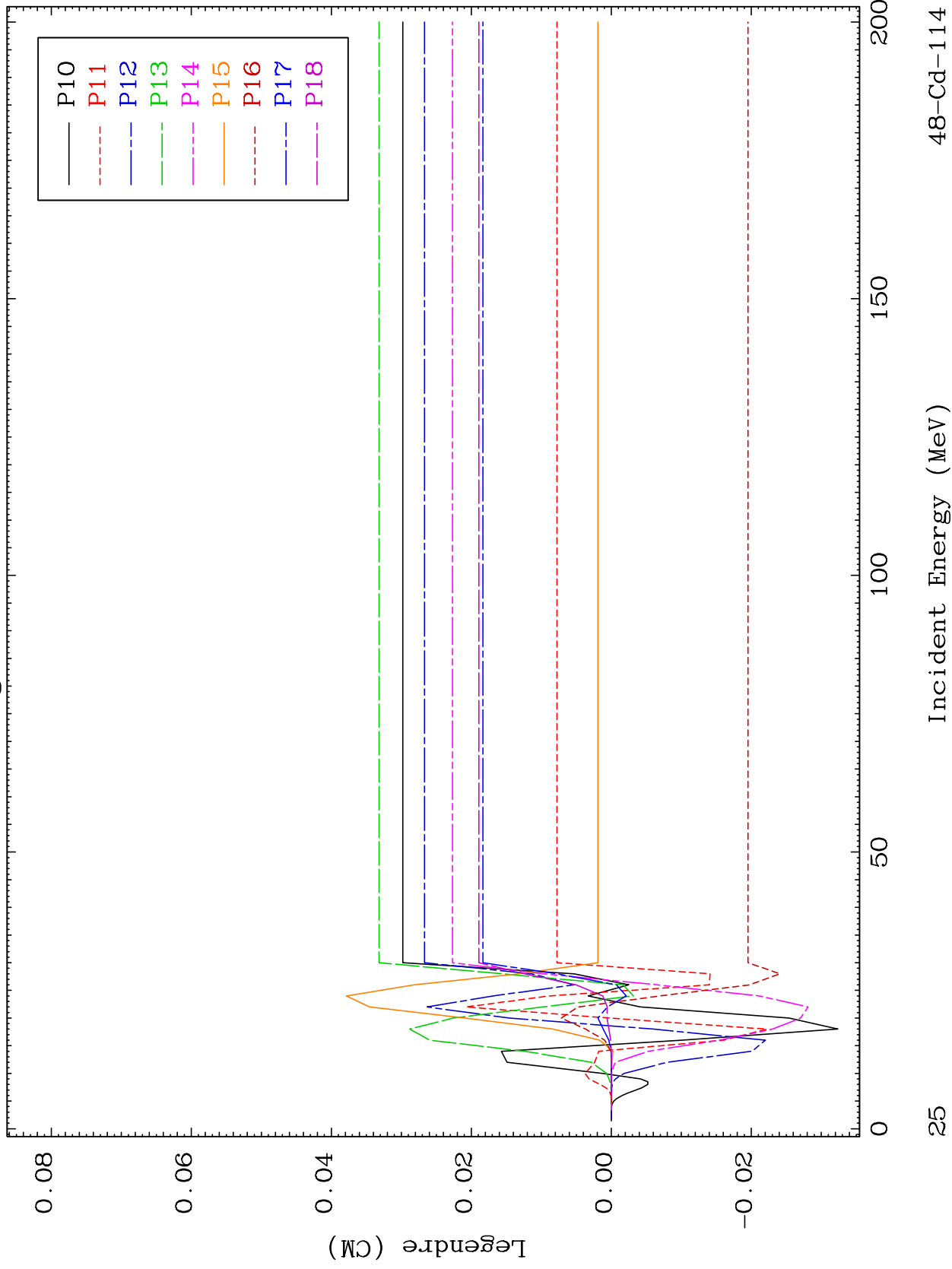
Incident Energy (MeV)

24

MAT 4849

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

48-Cd-114



48-Cd-114

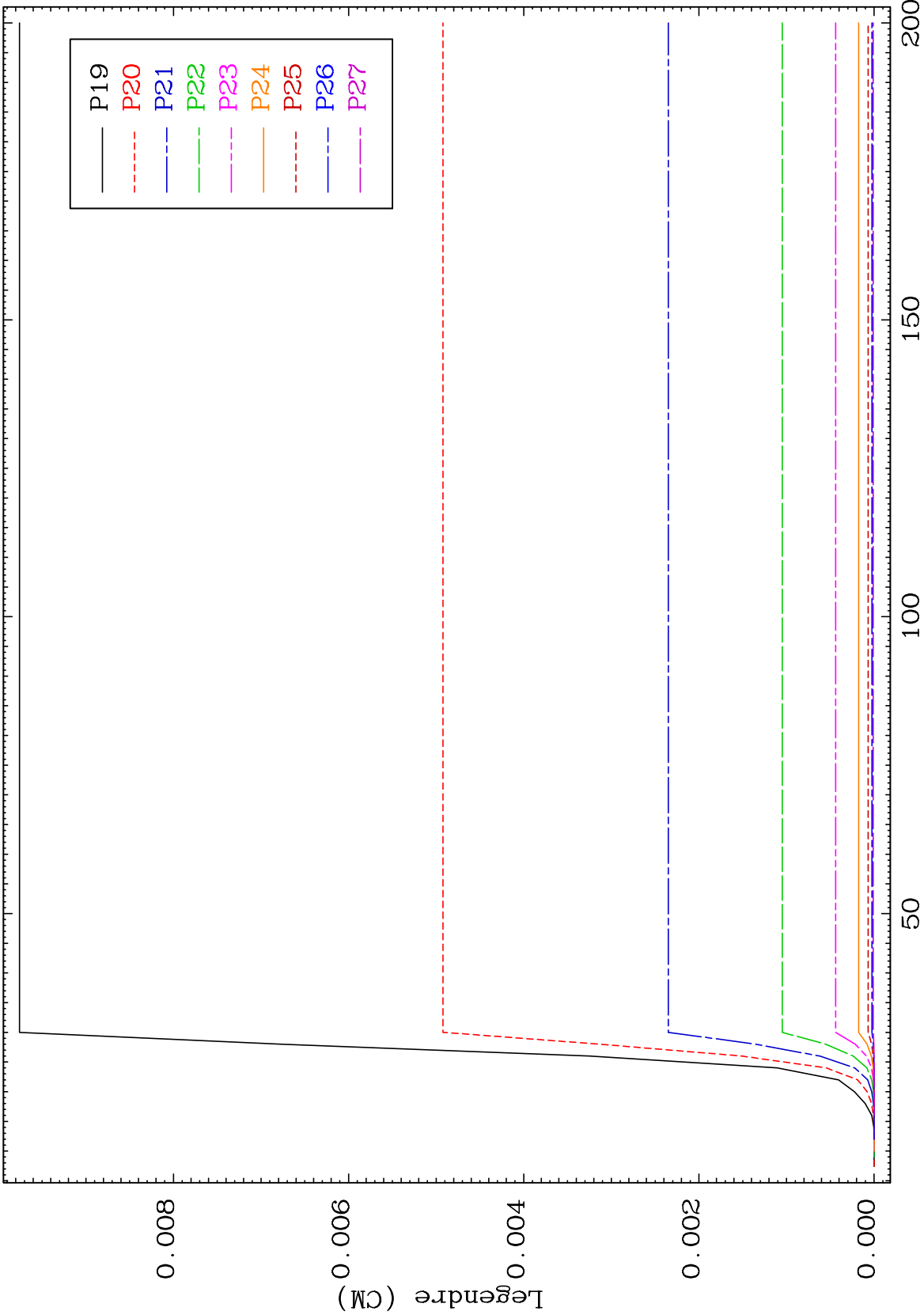
Incident Energy (MeV)

25

MAT 4849

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

48-Cd-114



26

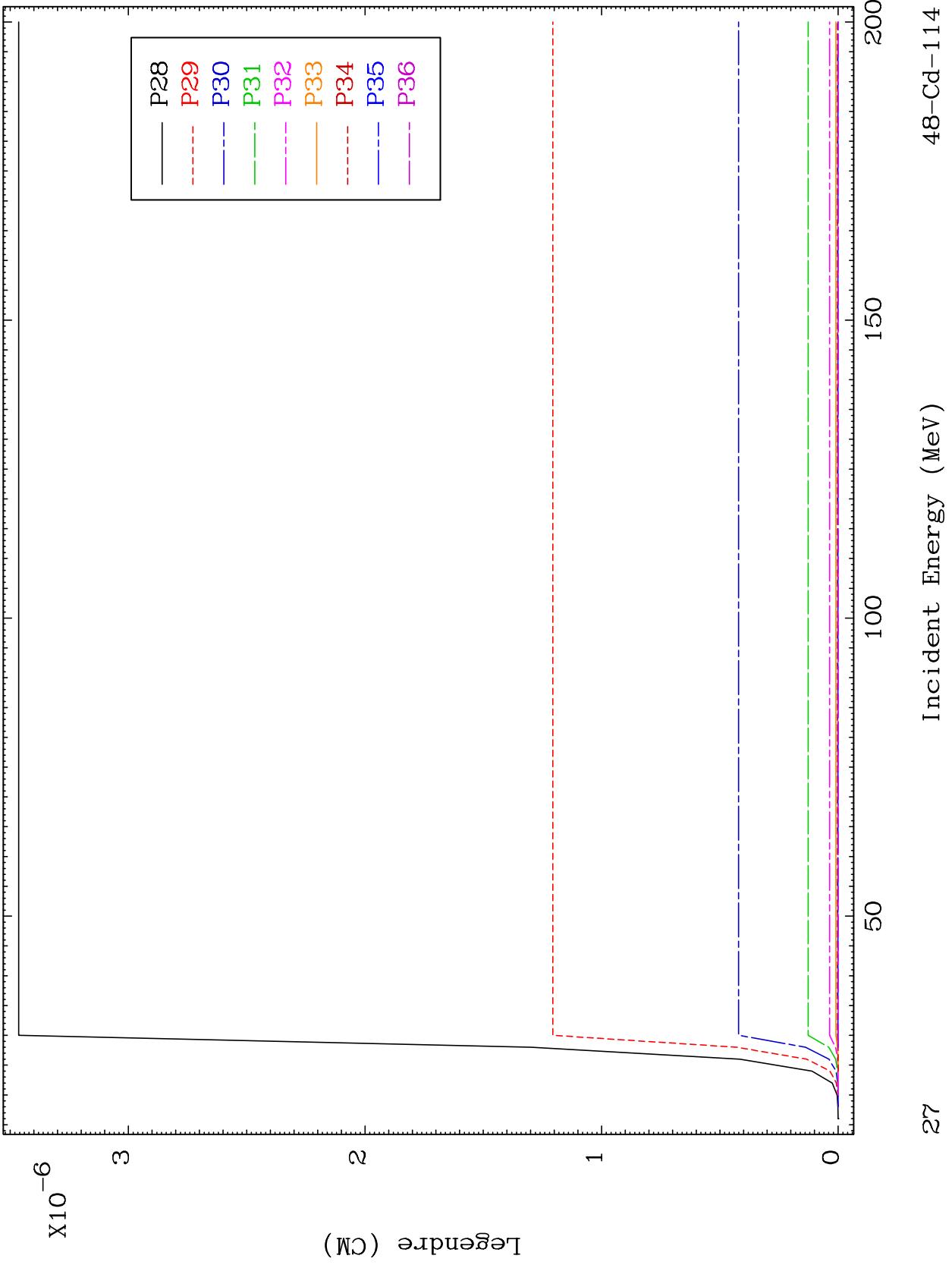
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

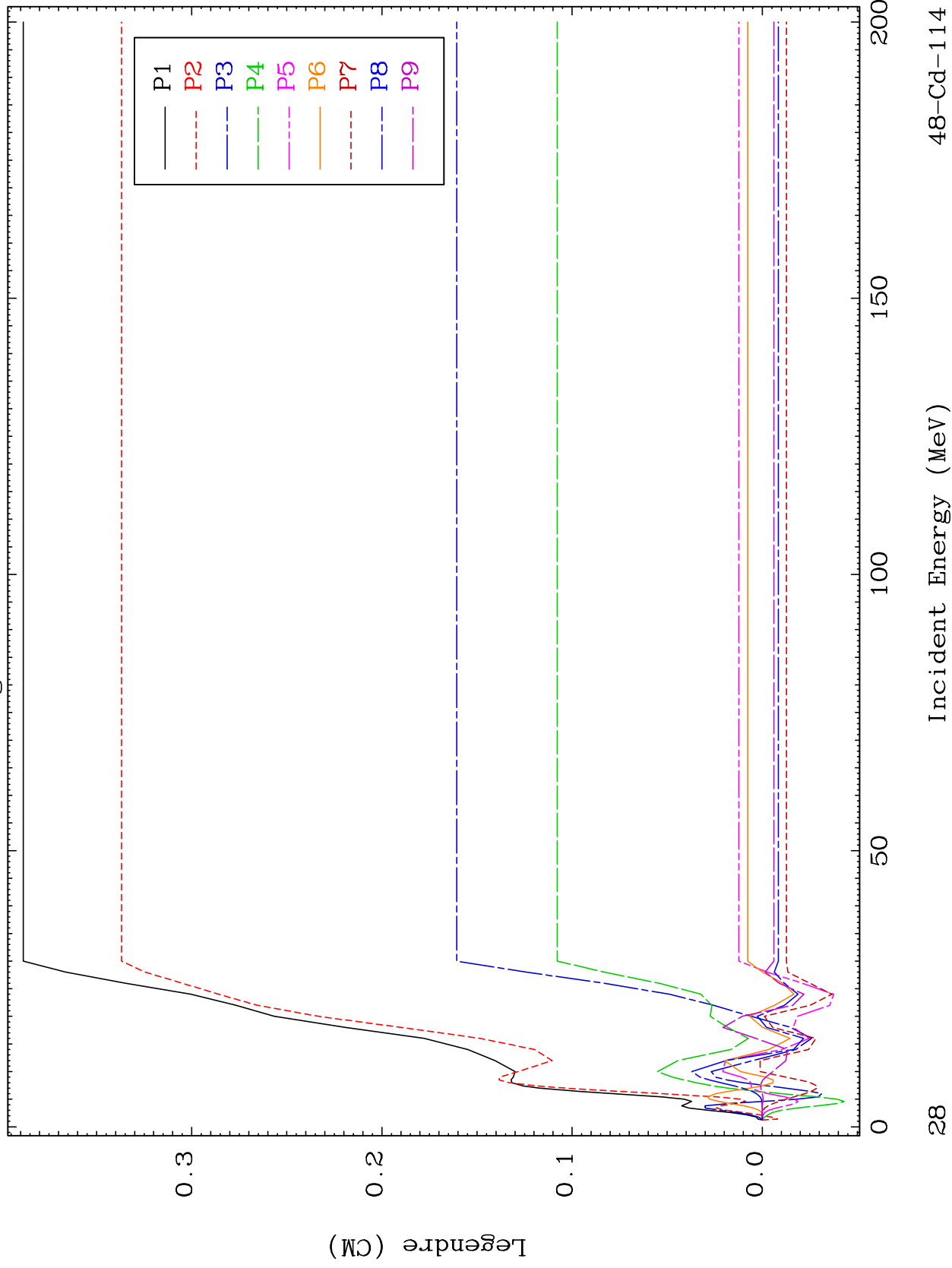
48-Cd-114



MAT 4849

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

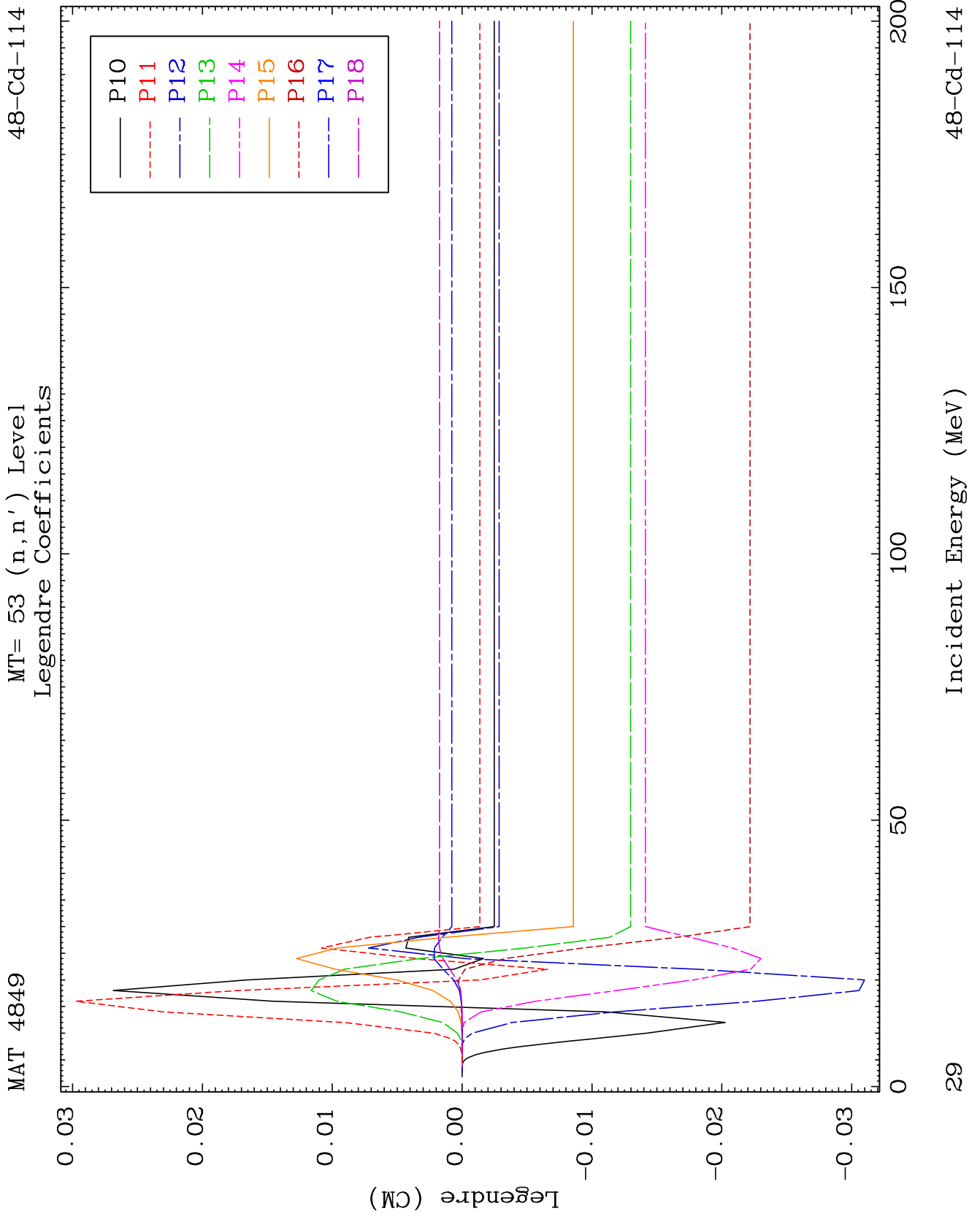
48-Cd-114



48-Cd-114

Incident Energy (MeV)

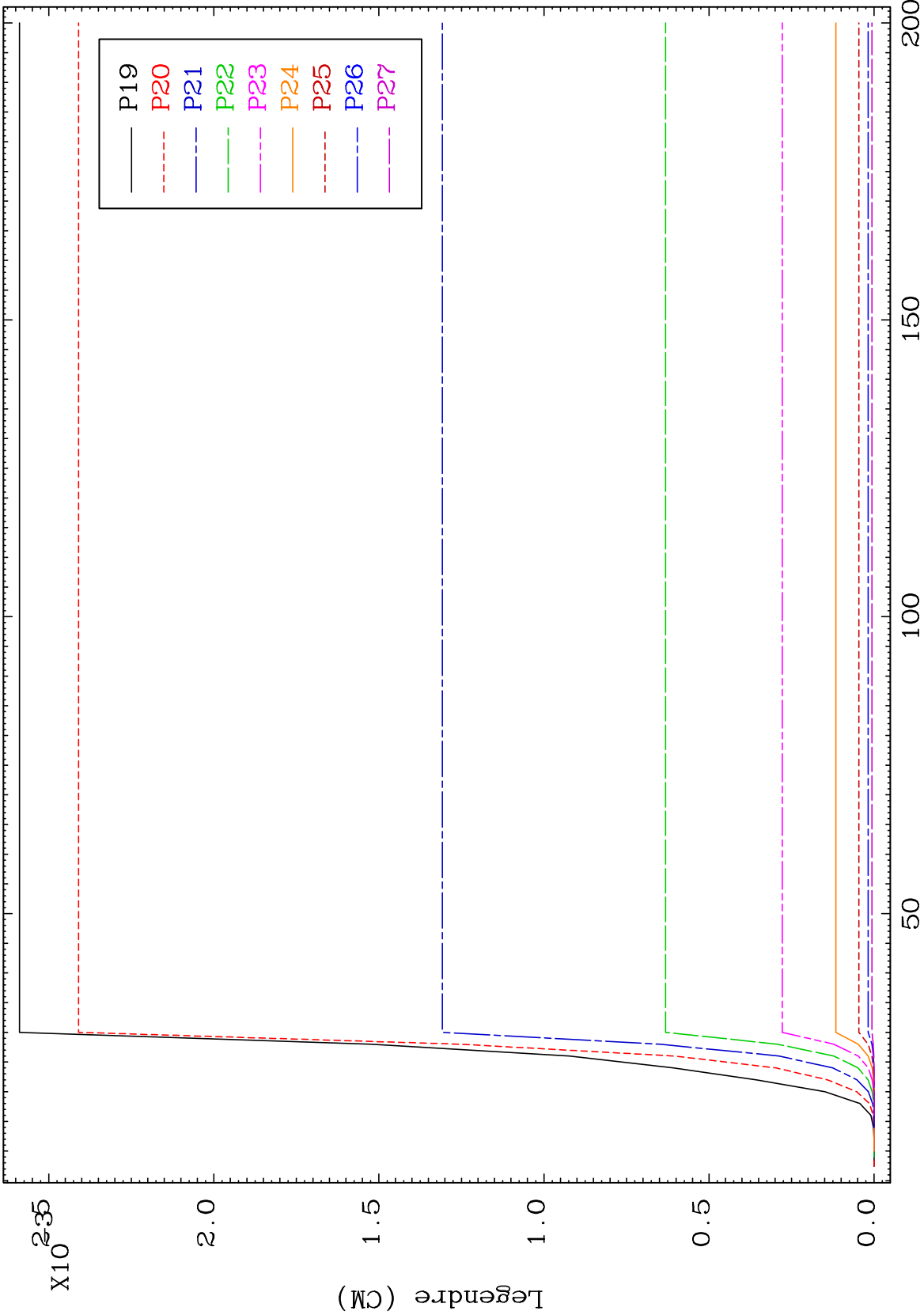
28



MAT 4849

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

48-Cd-114



30

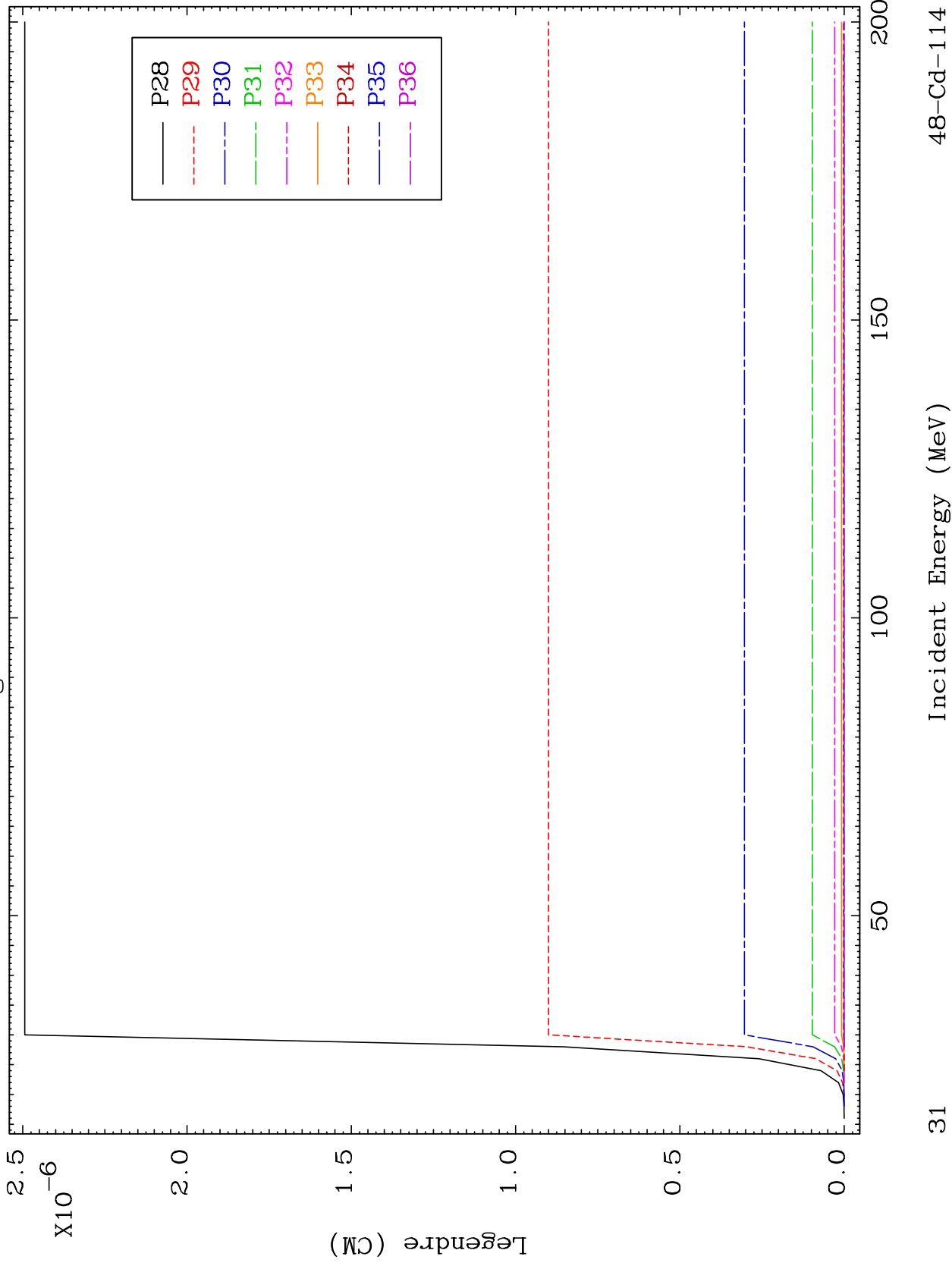
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



31

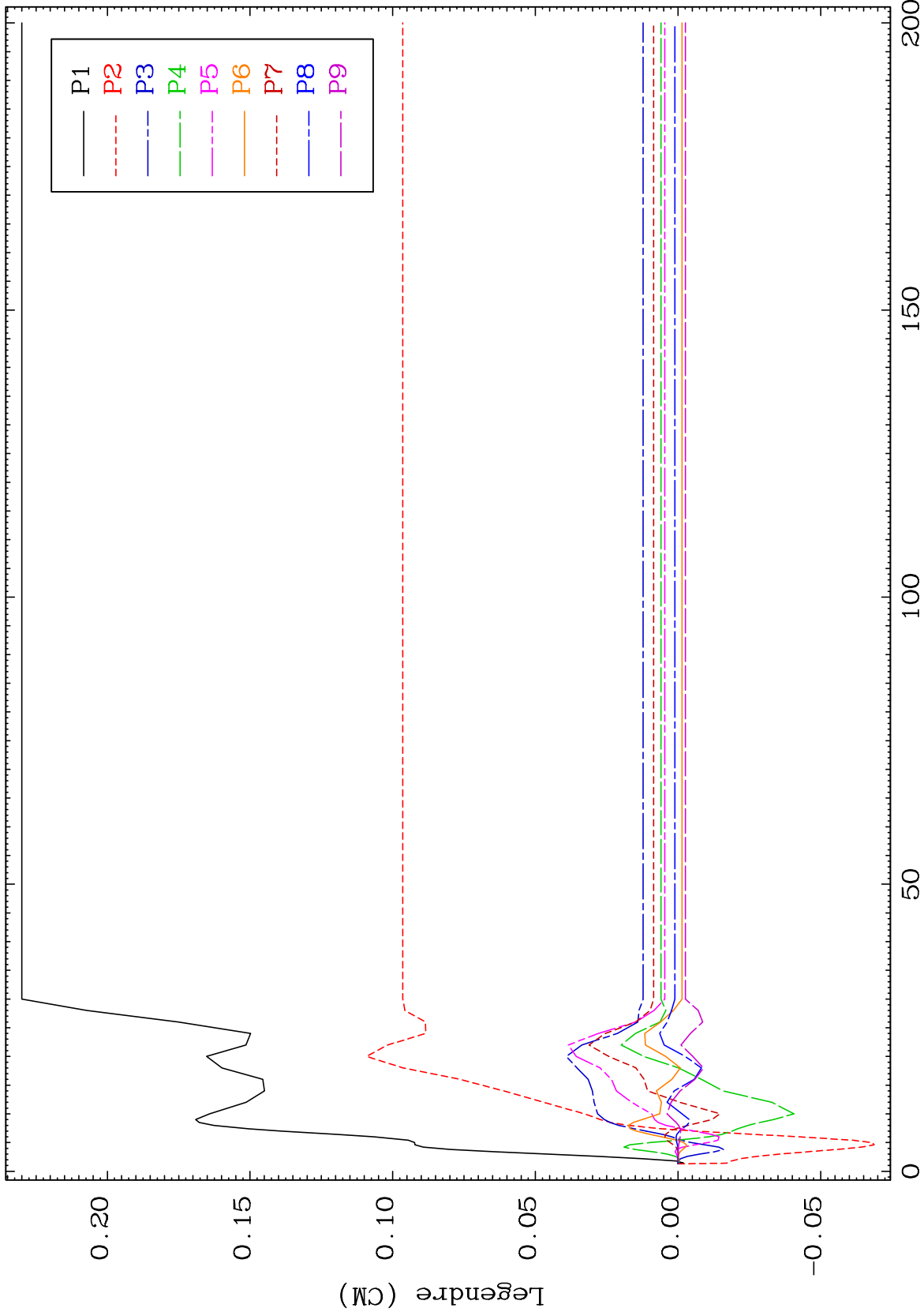
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



48-Cd-114

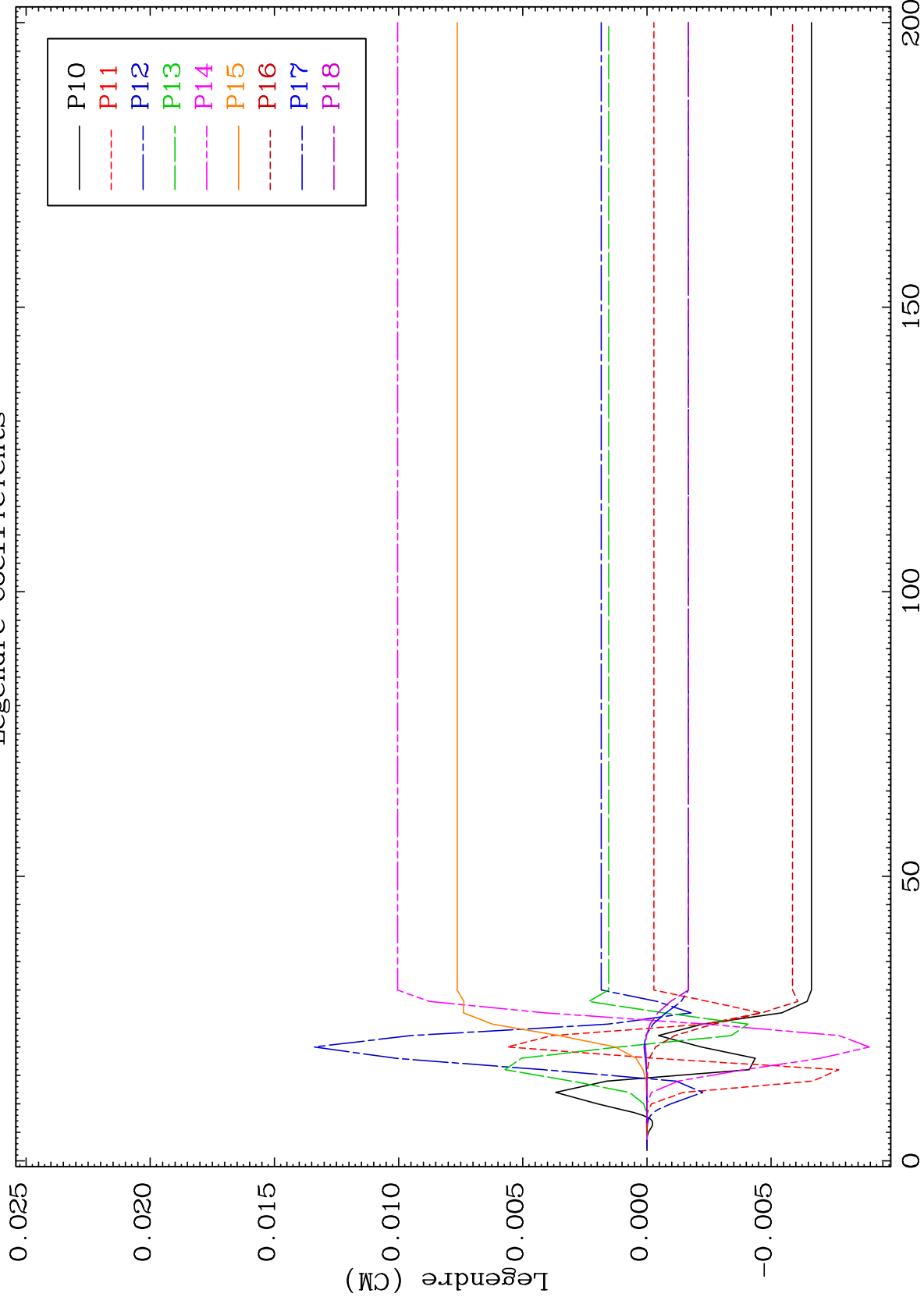
Incident Energy (MeV)

32

MAT 4849

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

48-Cd-114



33

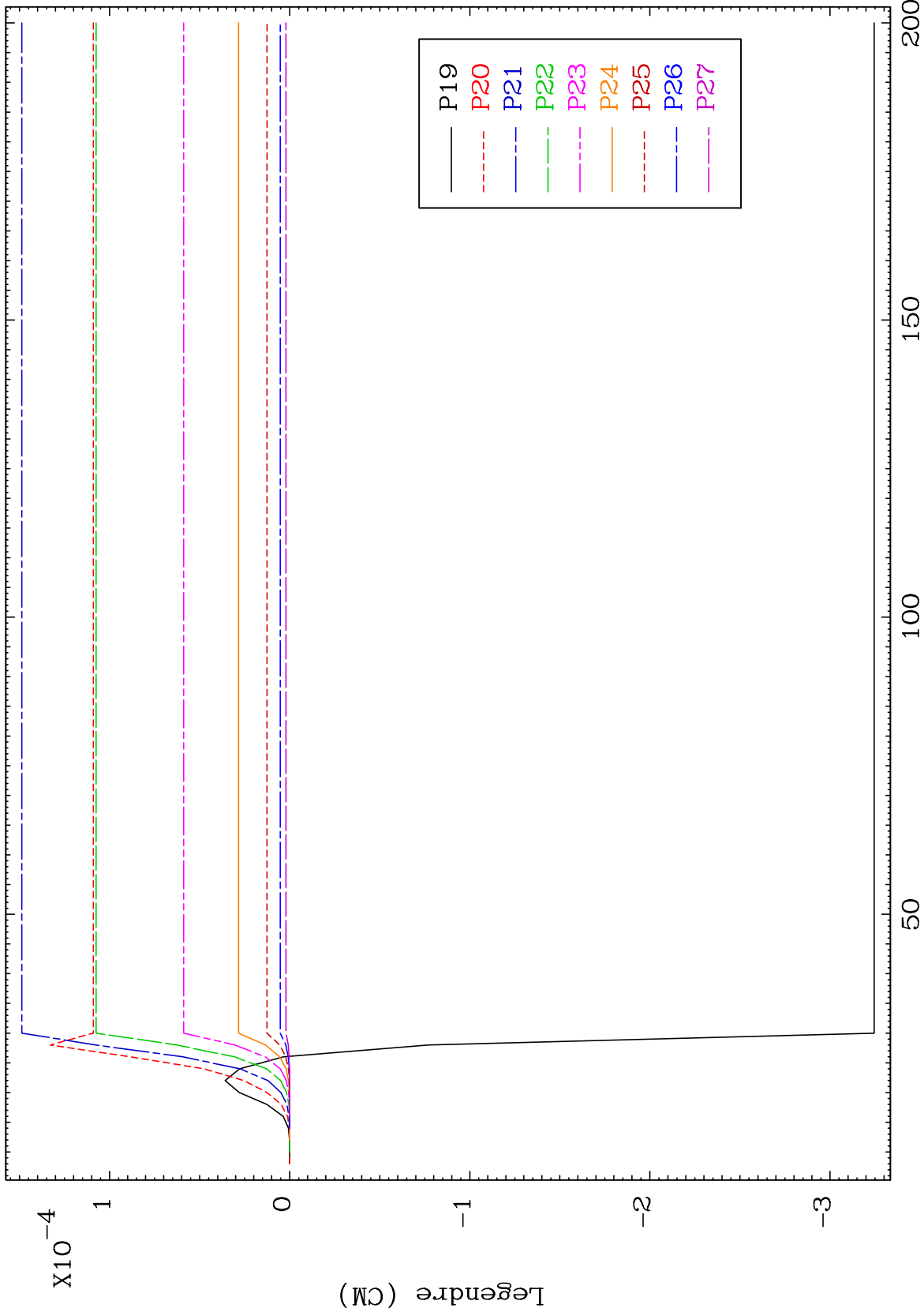
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



34

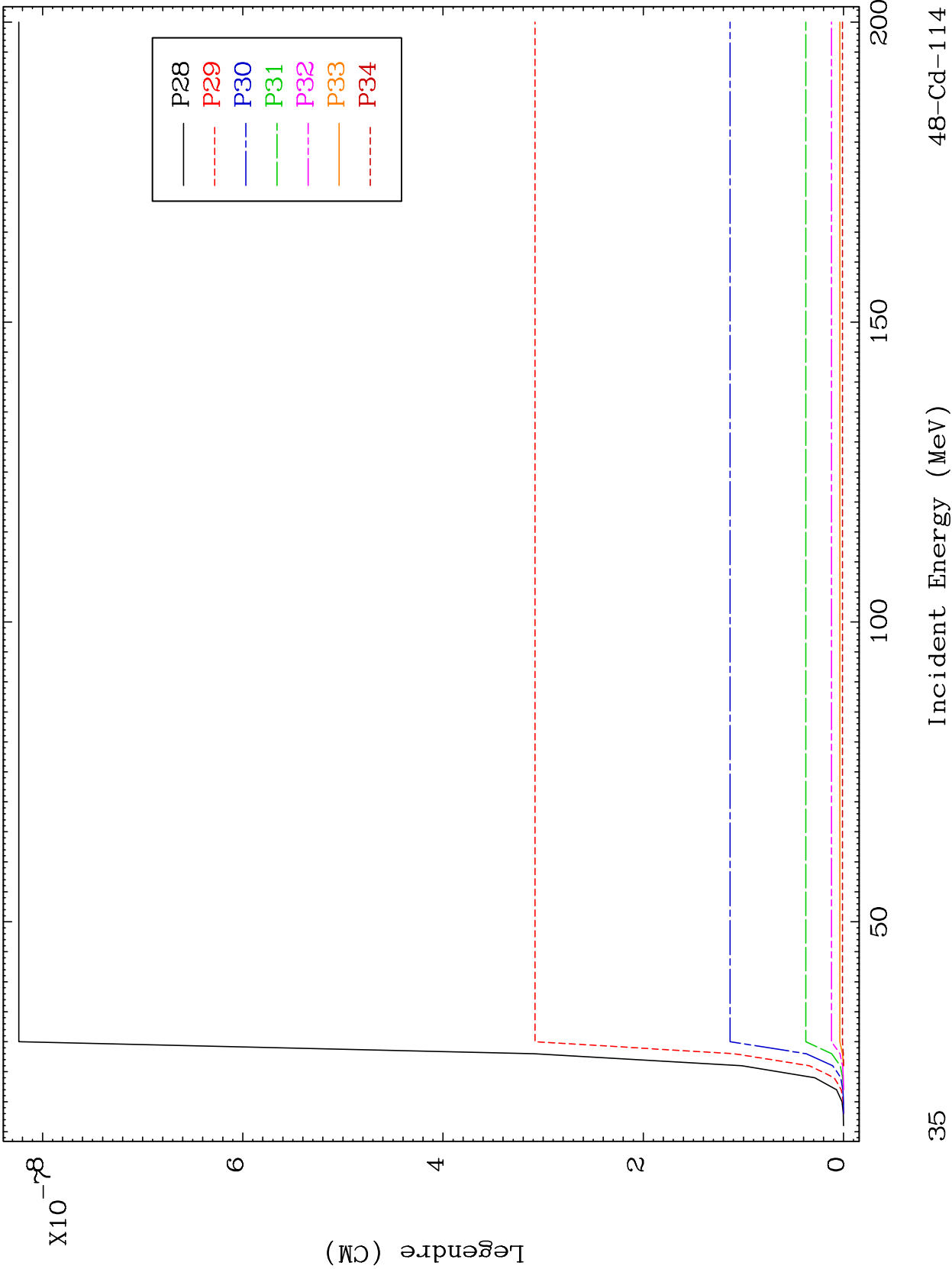
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

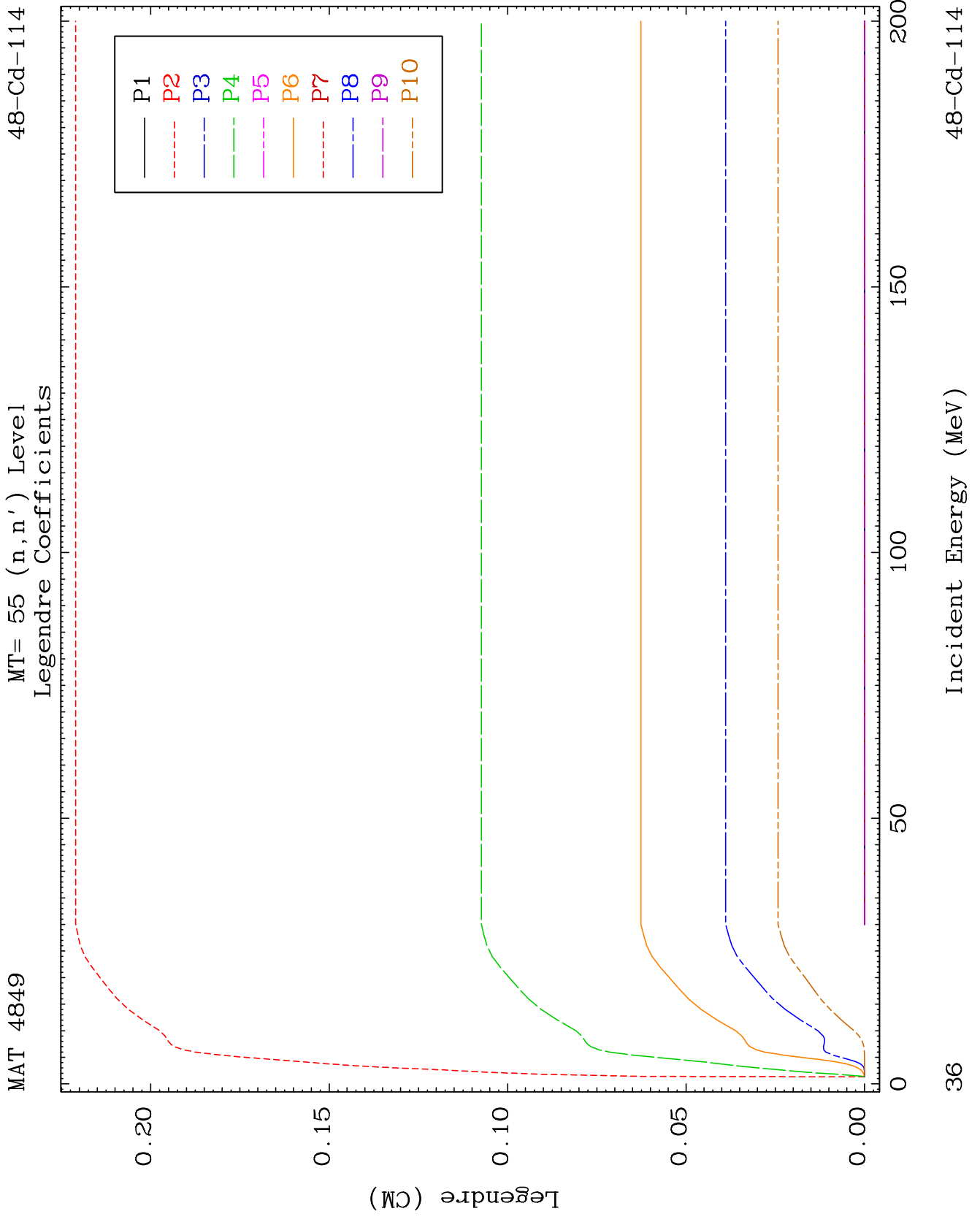
48-Cd-114



35

Incident Energy (MeV)

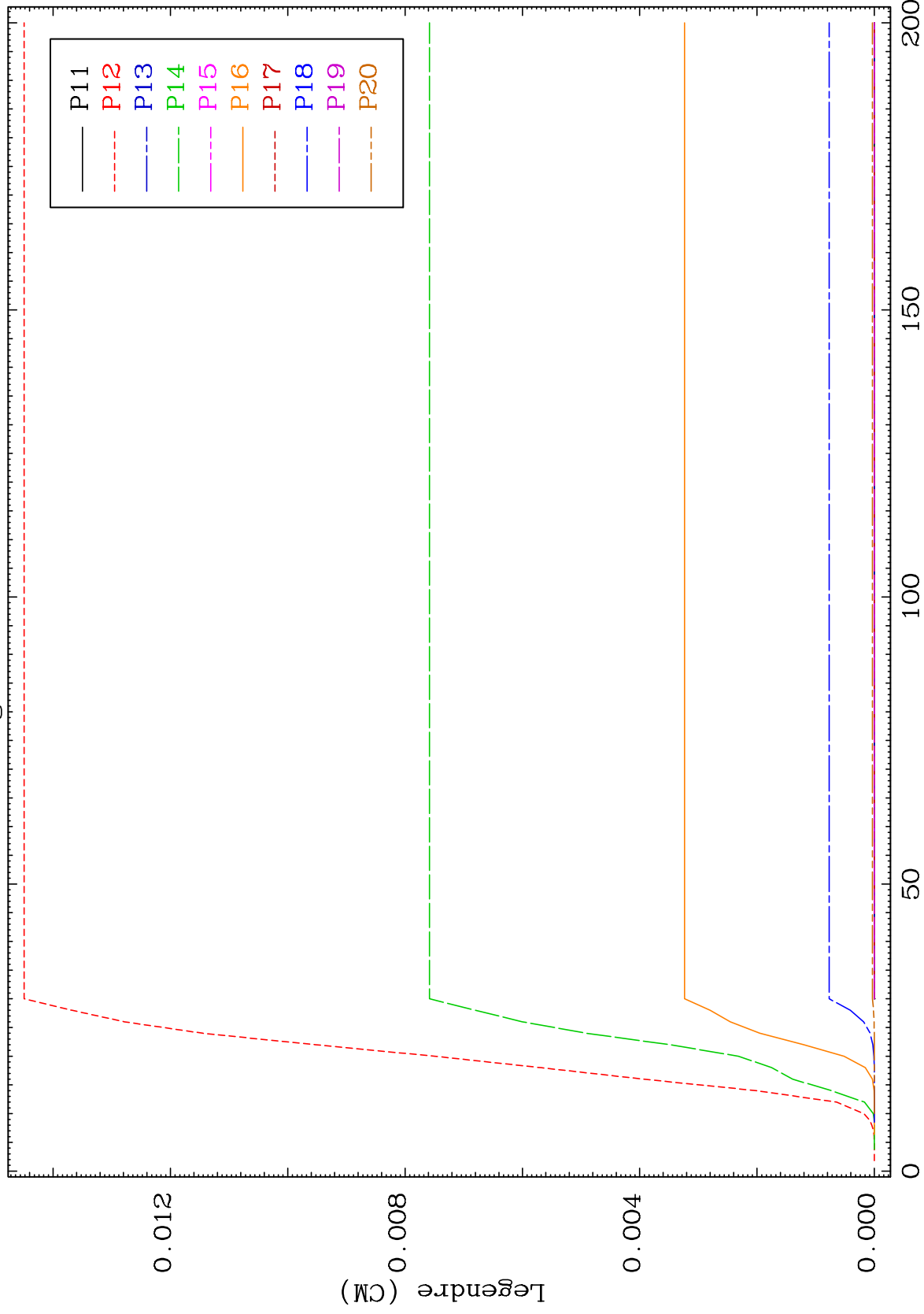
48-Cd-114



MAT 4849

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

48-Cd-114



37

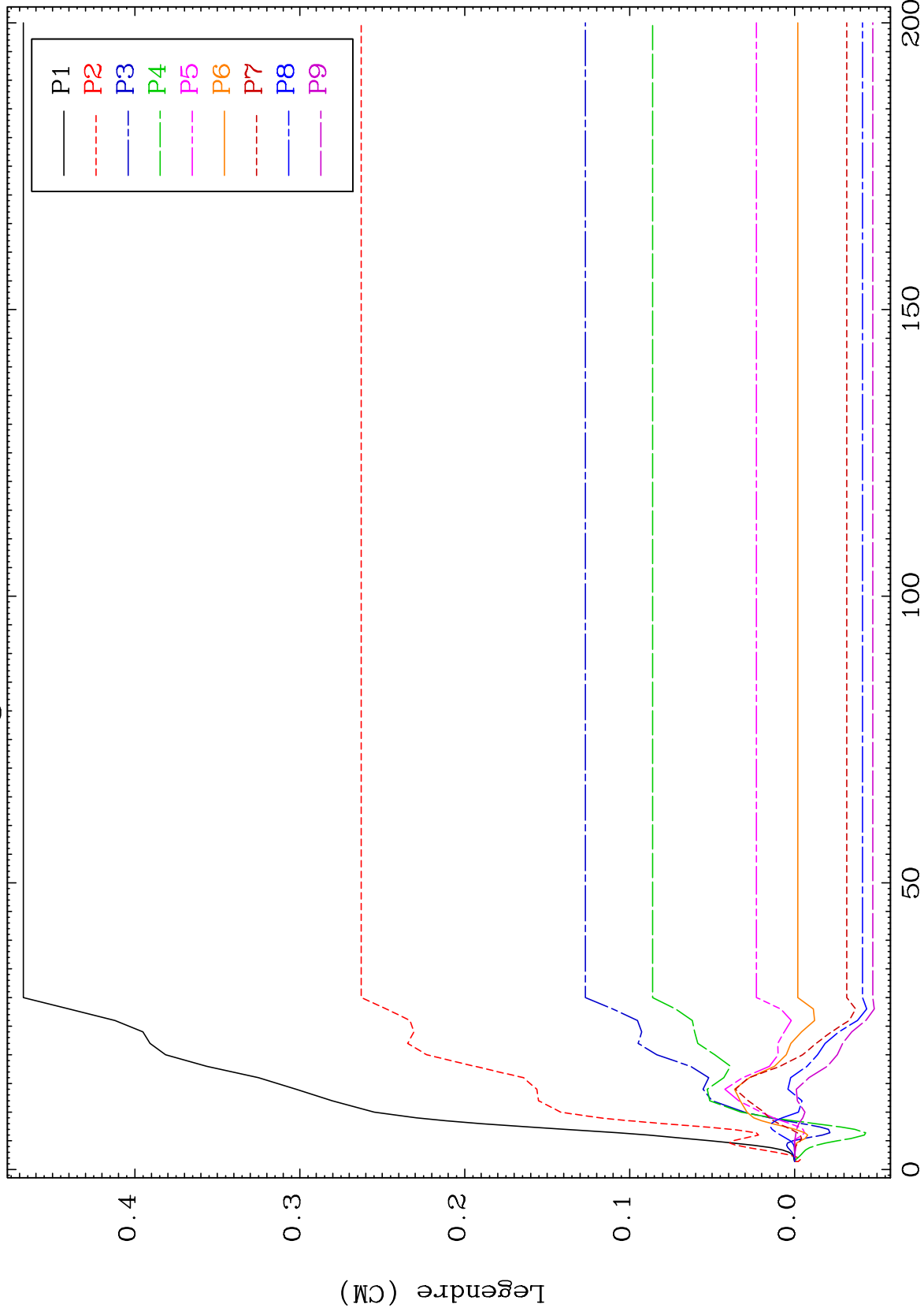
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



39

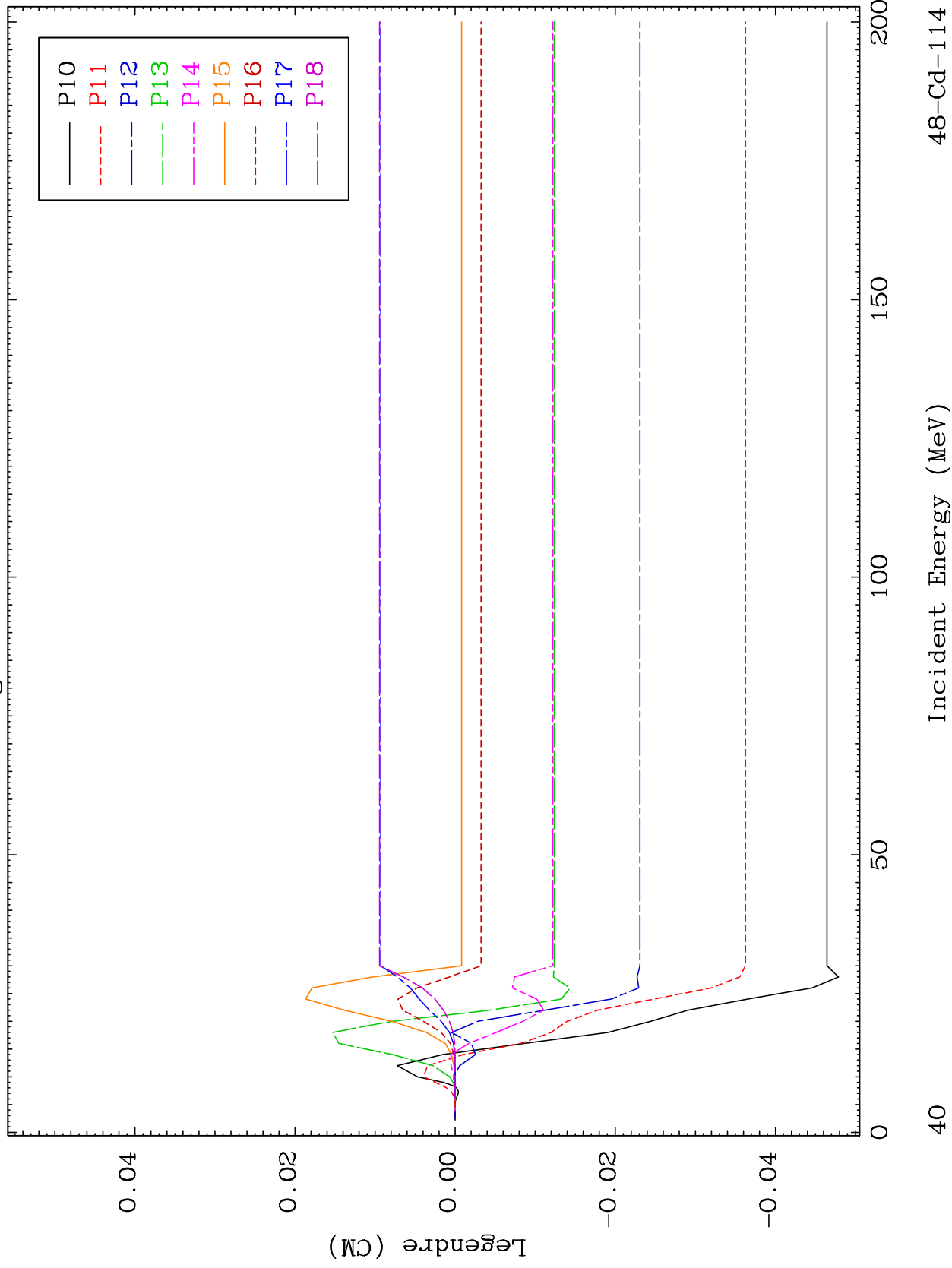
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

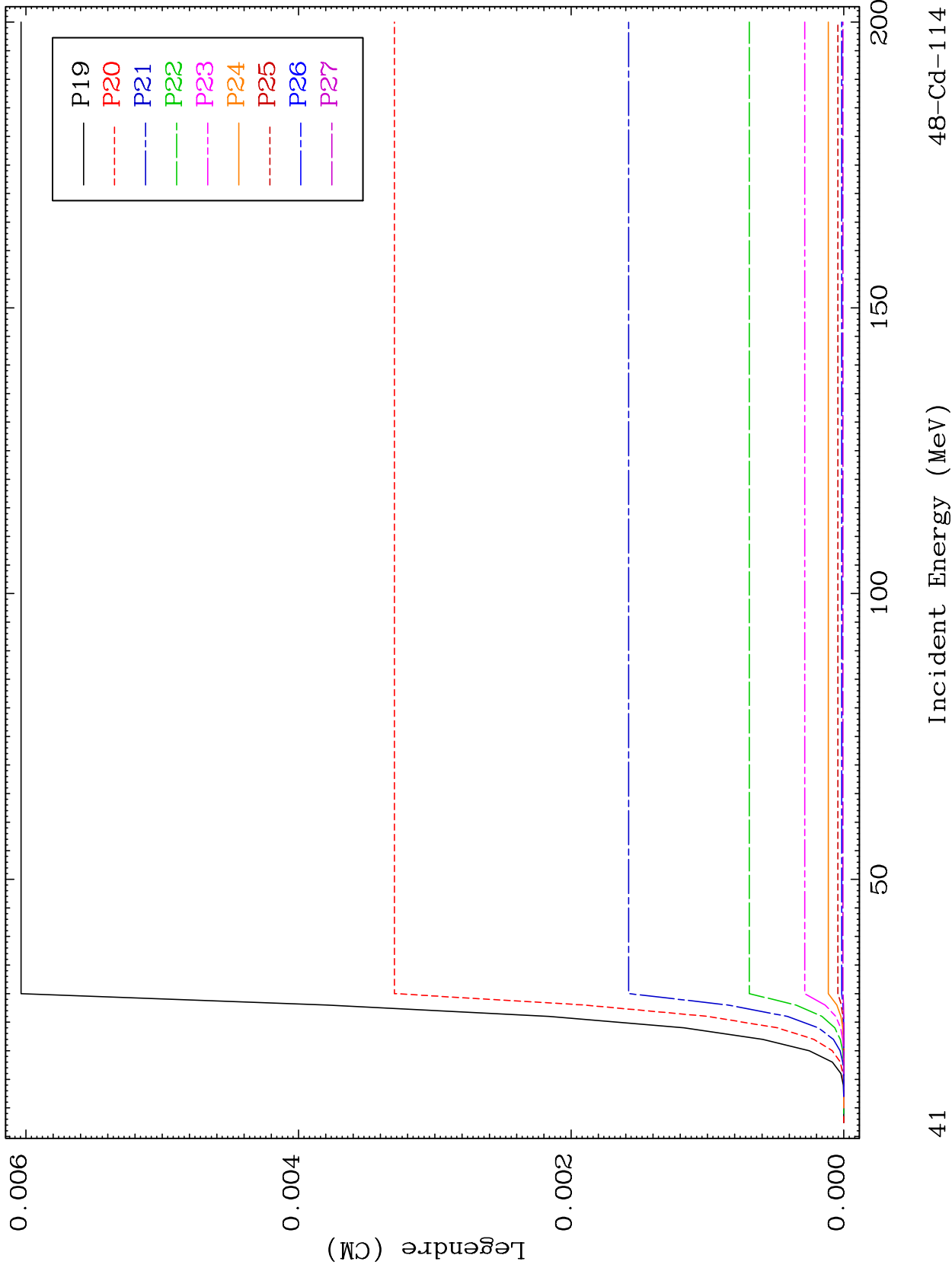
48-Cd-114



MAT 4849

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

48-Cd-114



41

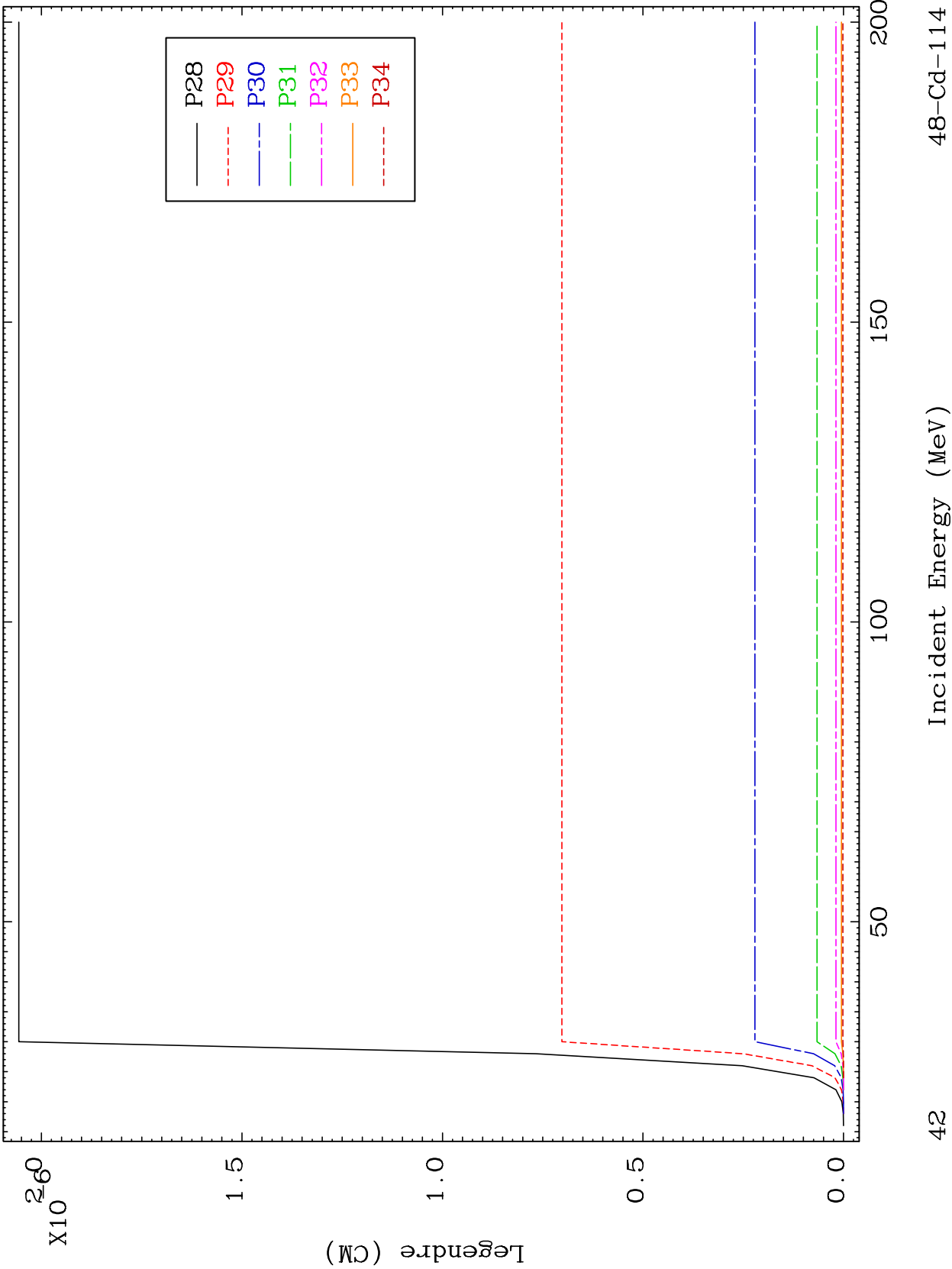
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



42

Incident Energy (MeV)

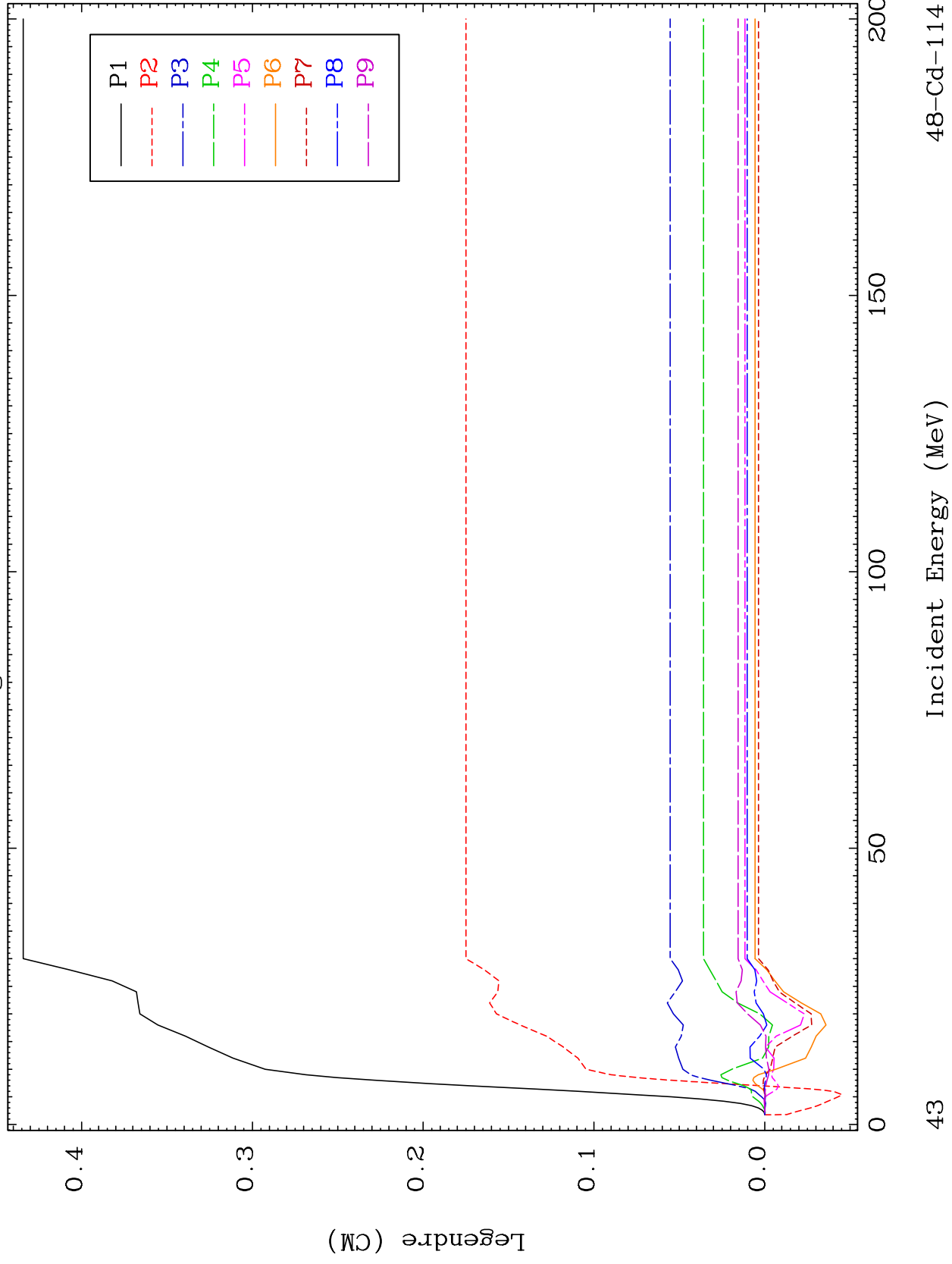
48-Cd-114

200

MAT 4849

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

48-Cd-114

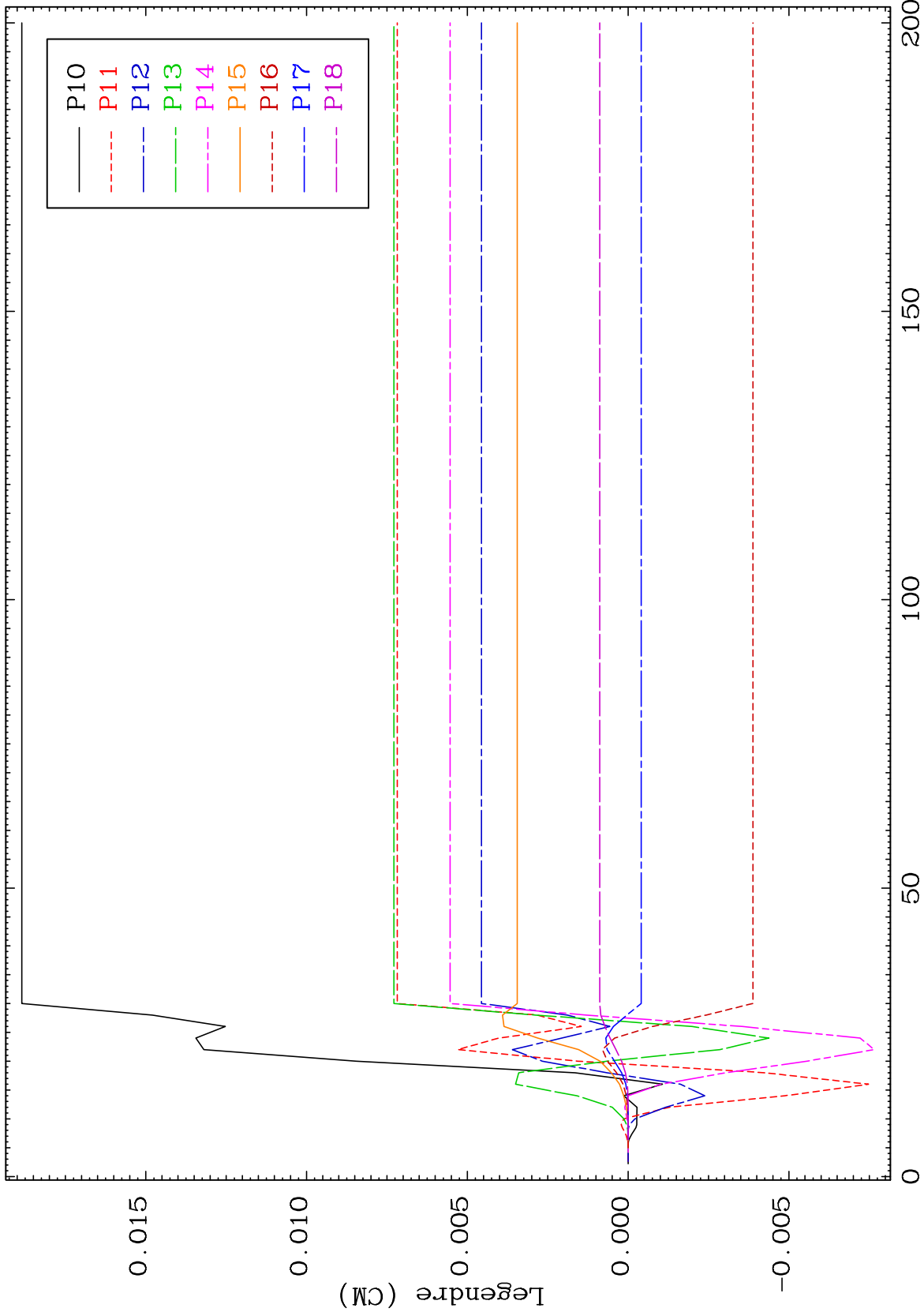


43

MAT 4849

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

48-Cd-114



44

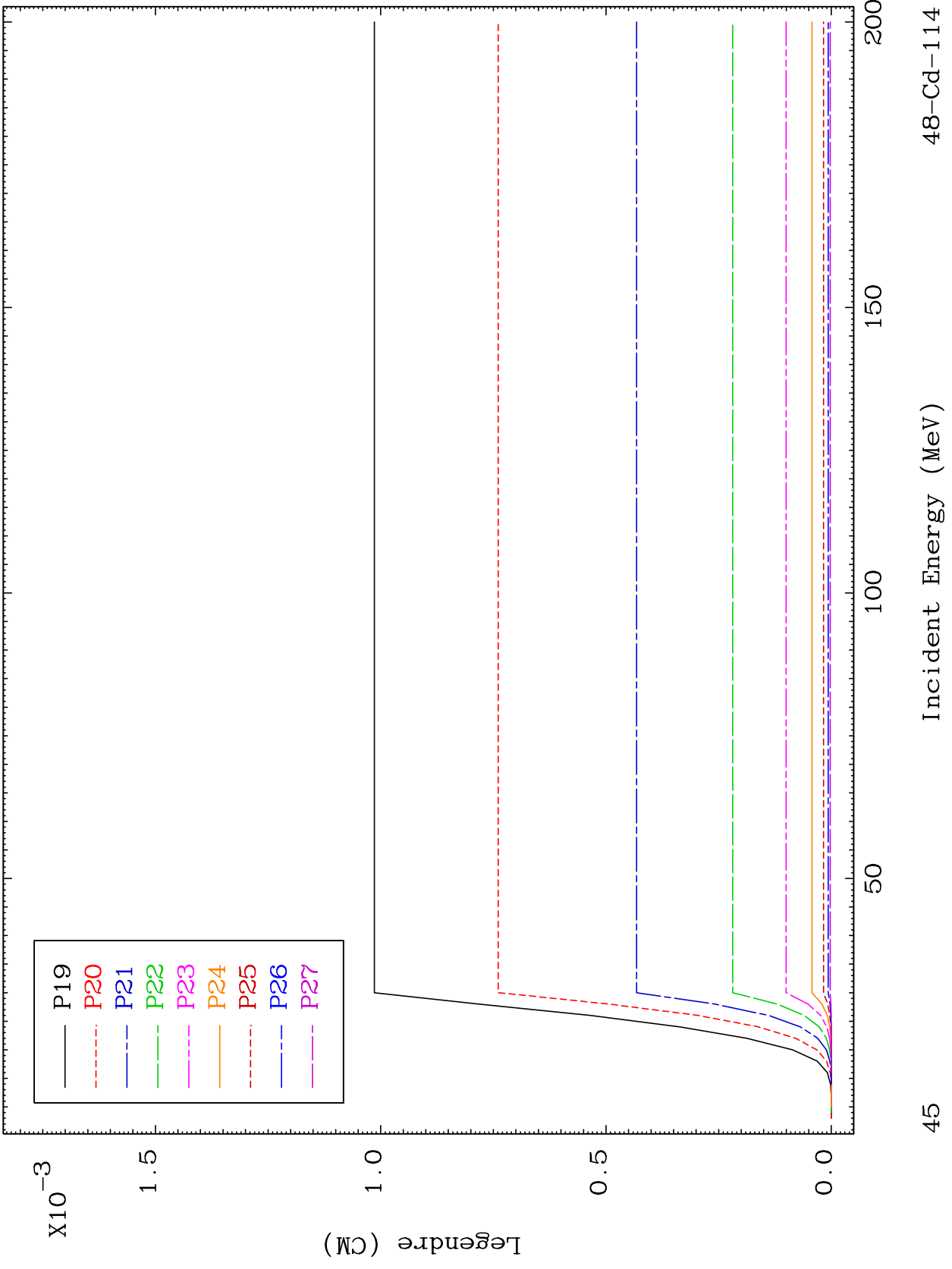
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



$\times 10^{-3}$

1.5

1.0

0.5

0.0

50

100

150

200

45

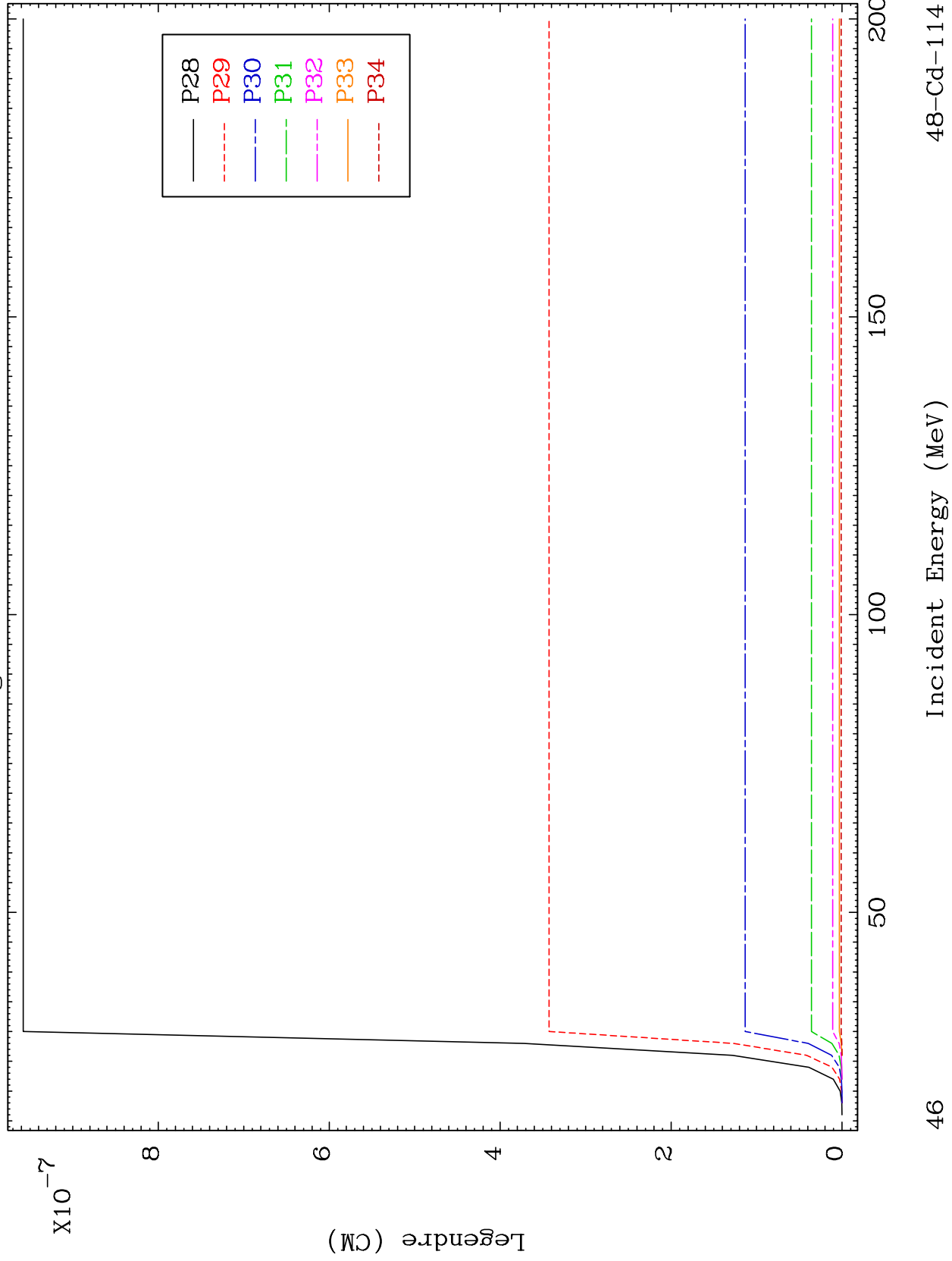
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

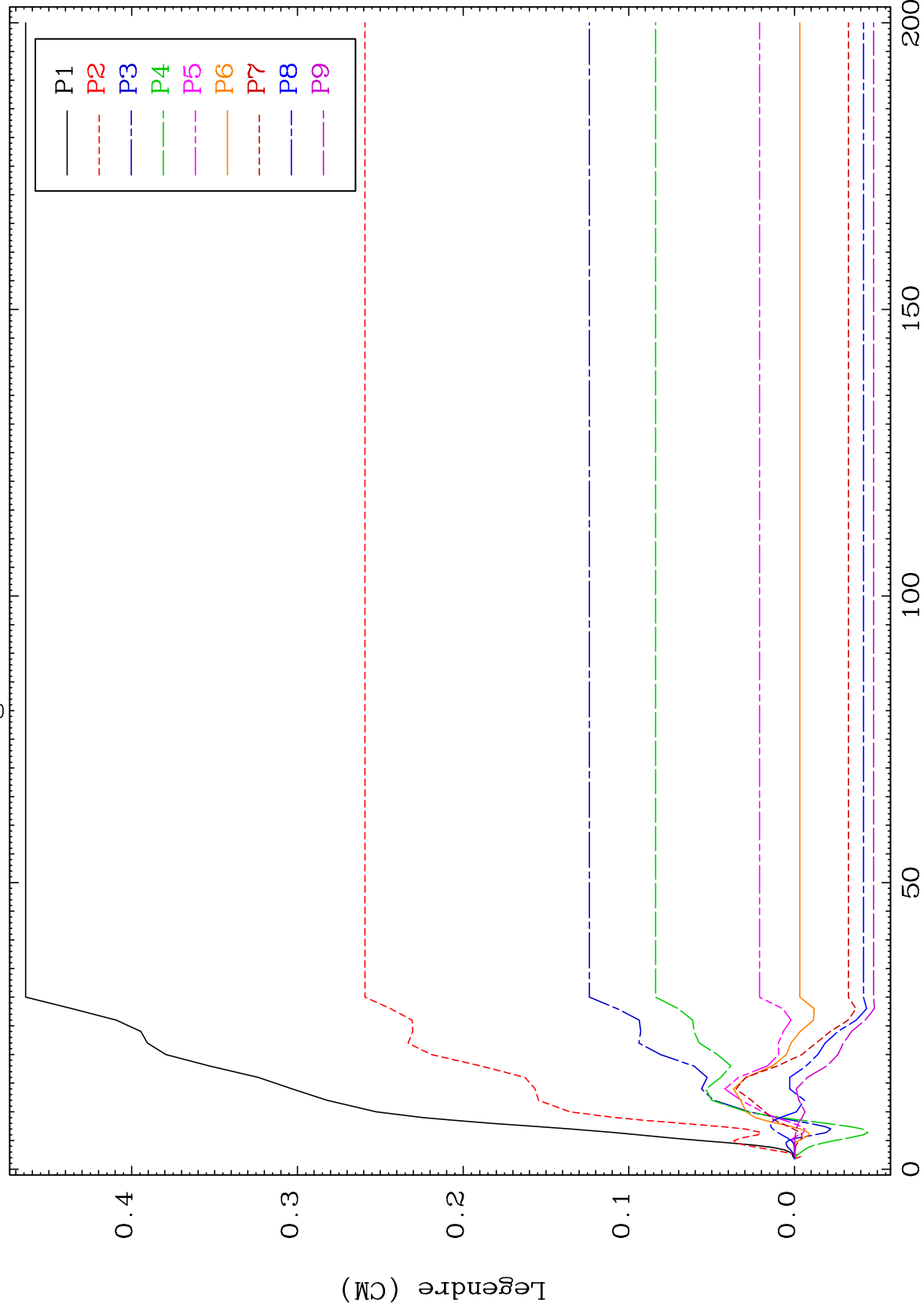
48-Cd-114



MAT 4849

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

48-Cd-114



47

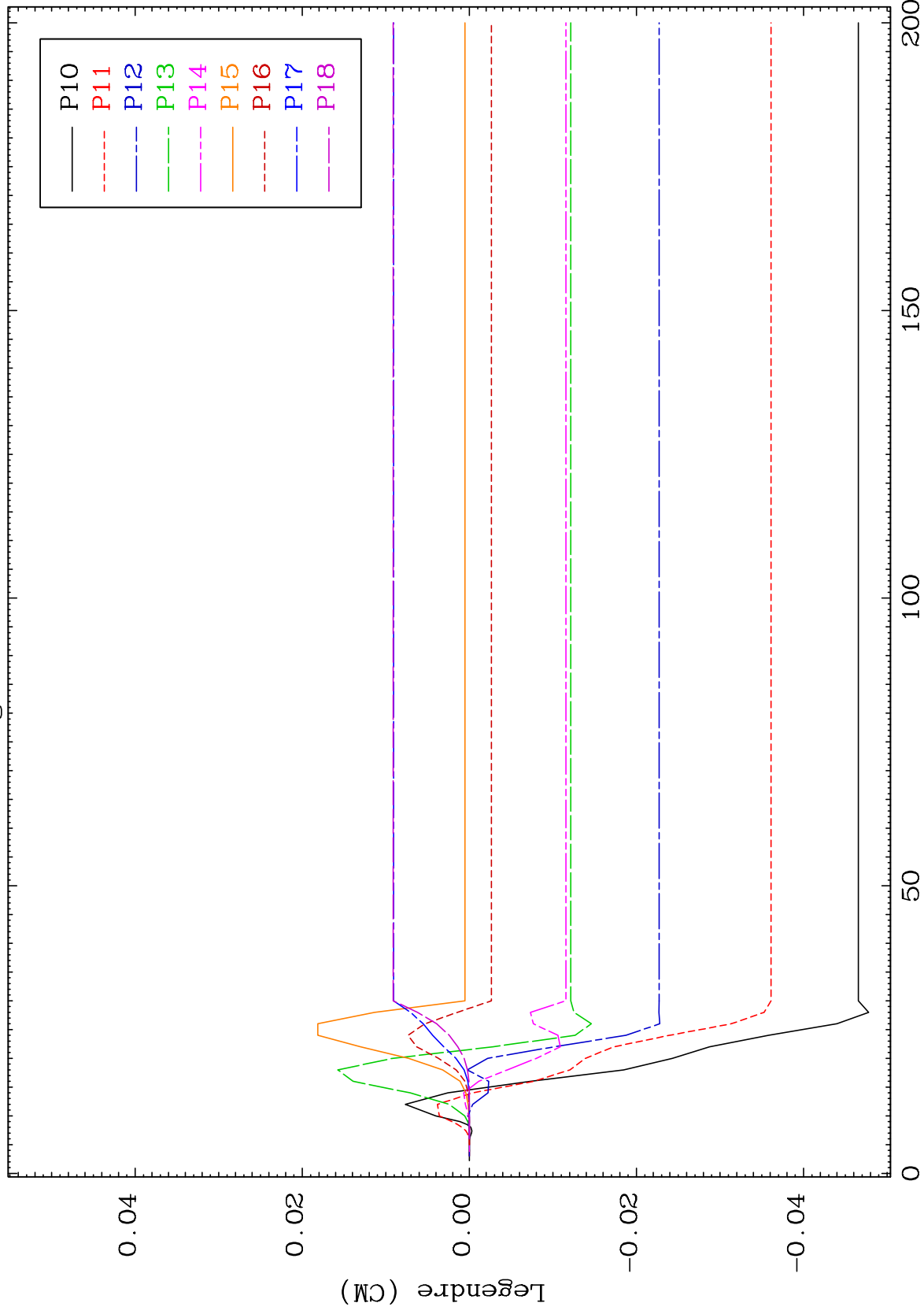
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



48

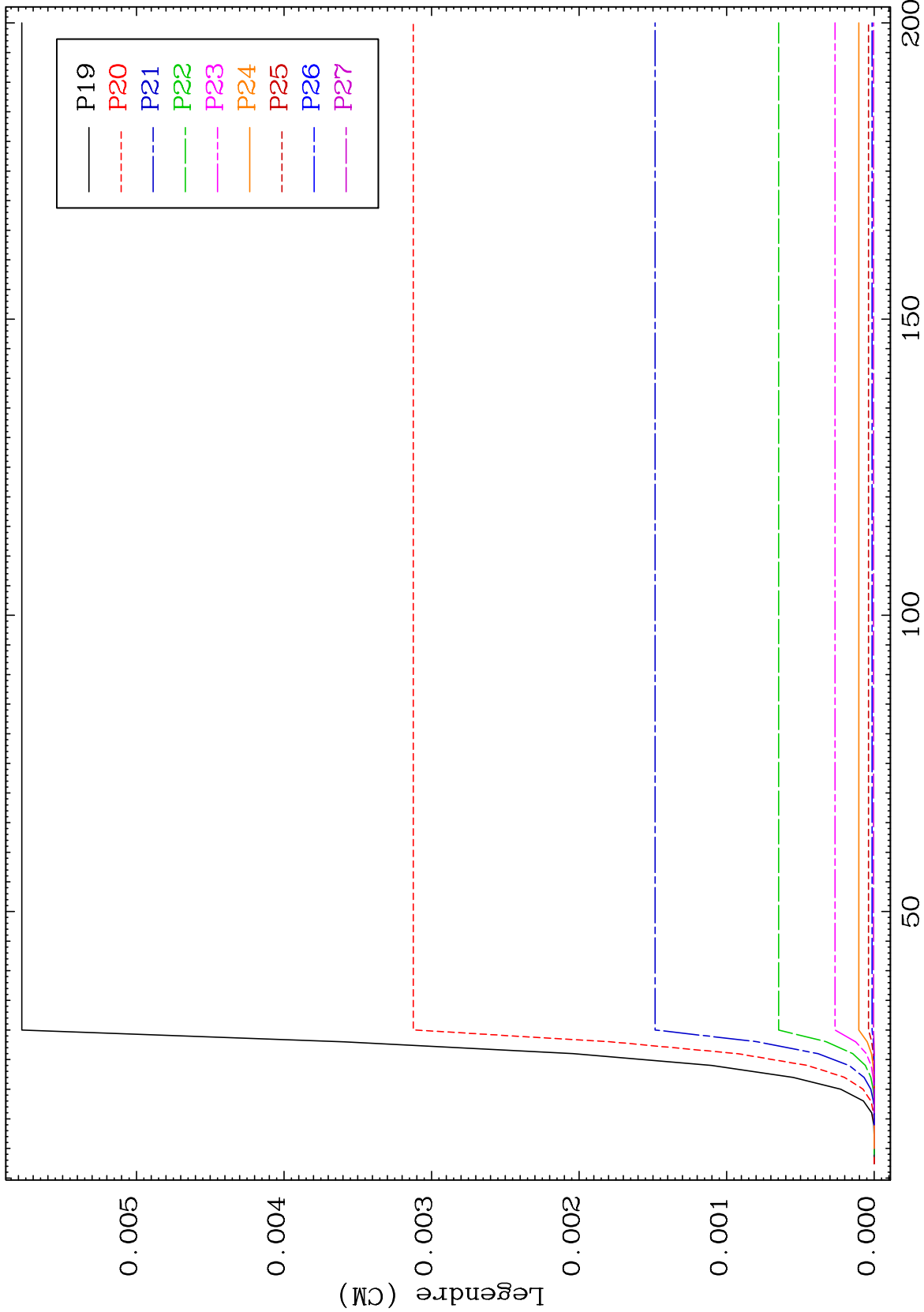
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



49

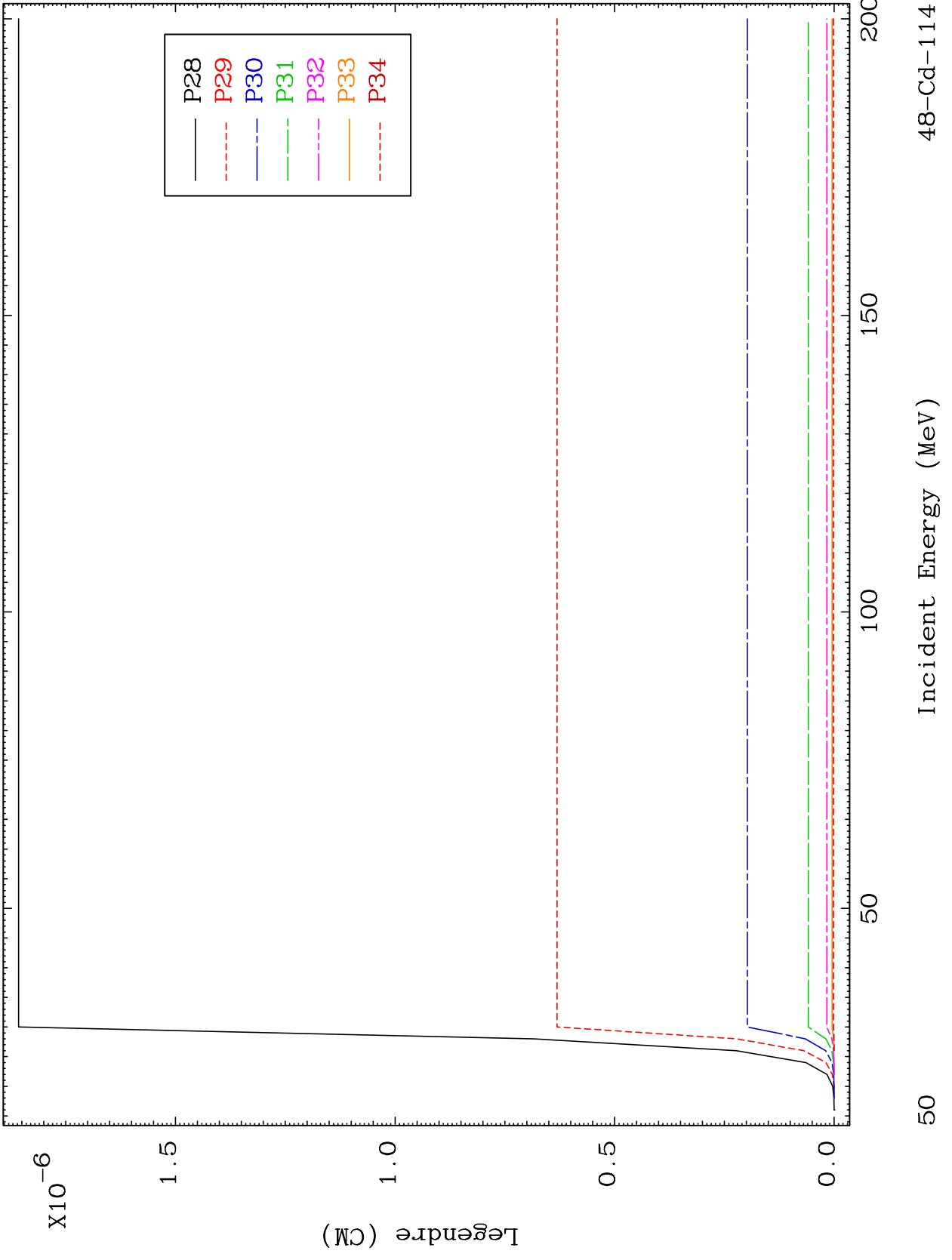
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

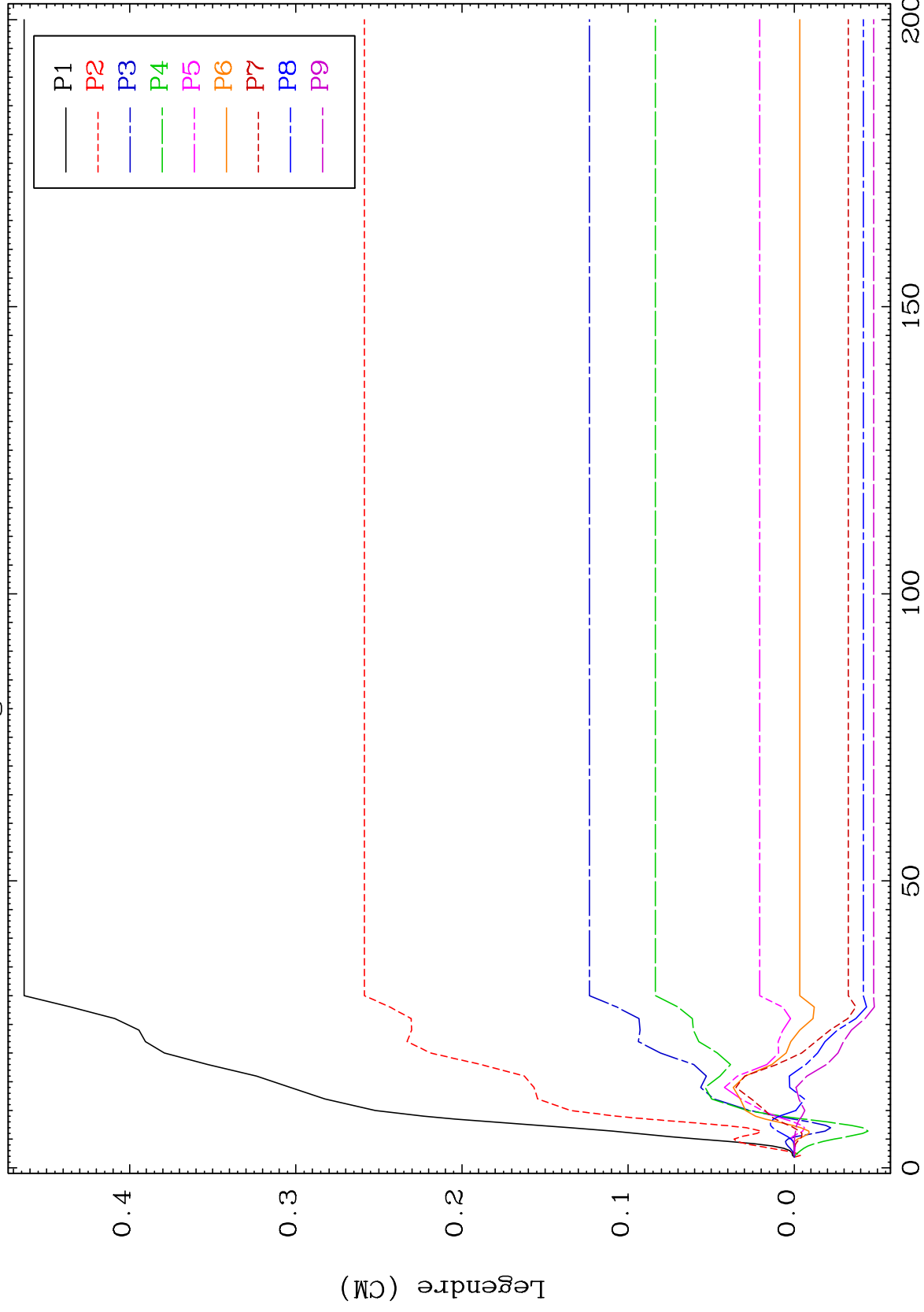
48-Cd-114



MAT 4849

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

48-Cd-114



51

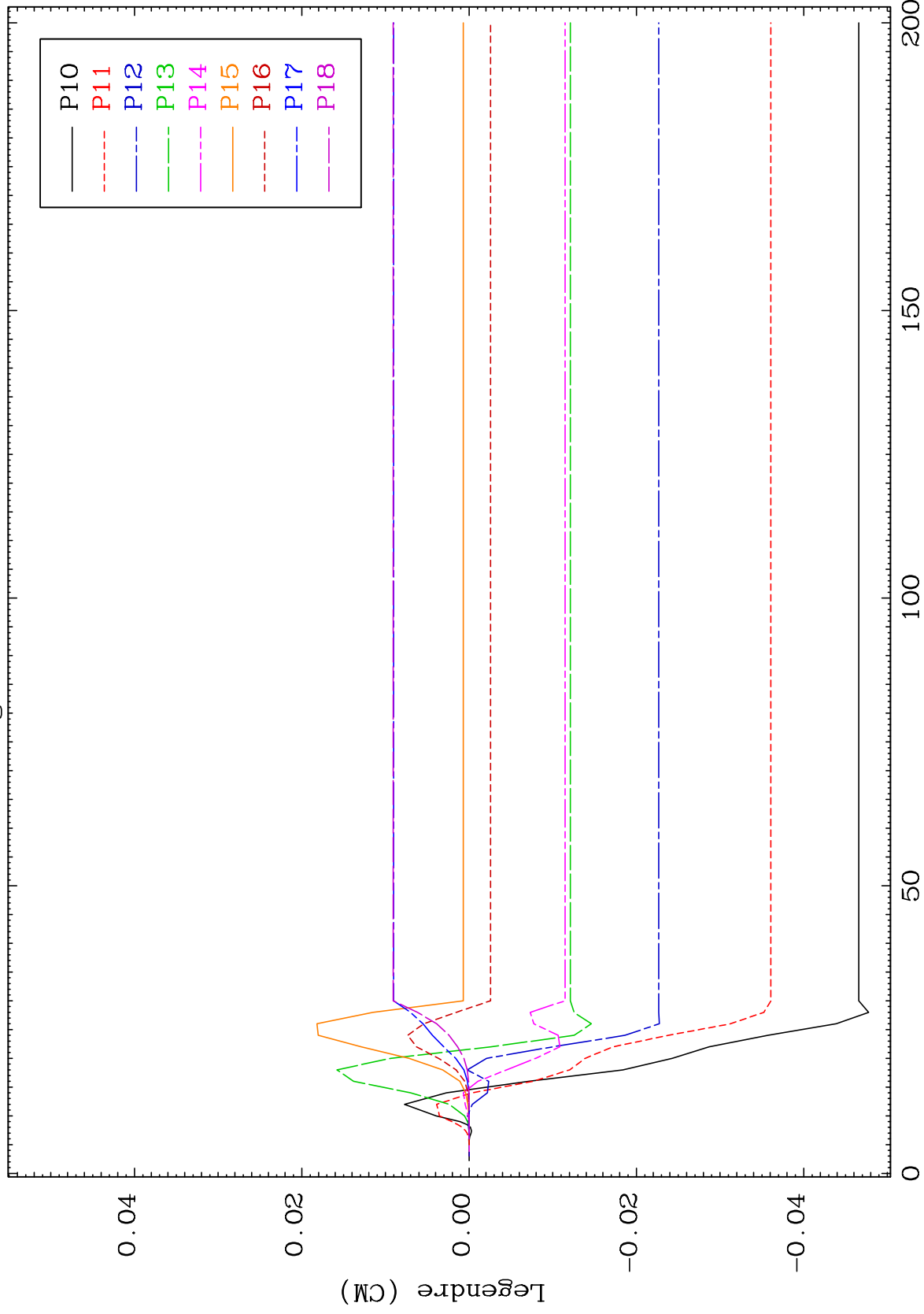
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



52

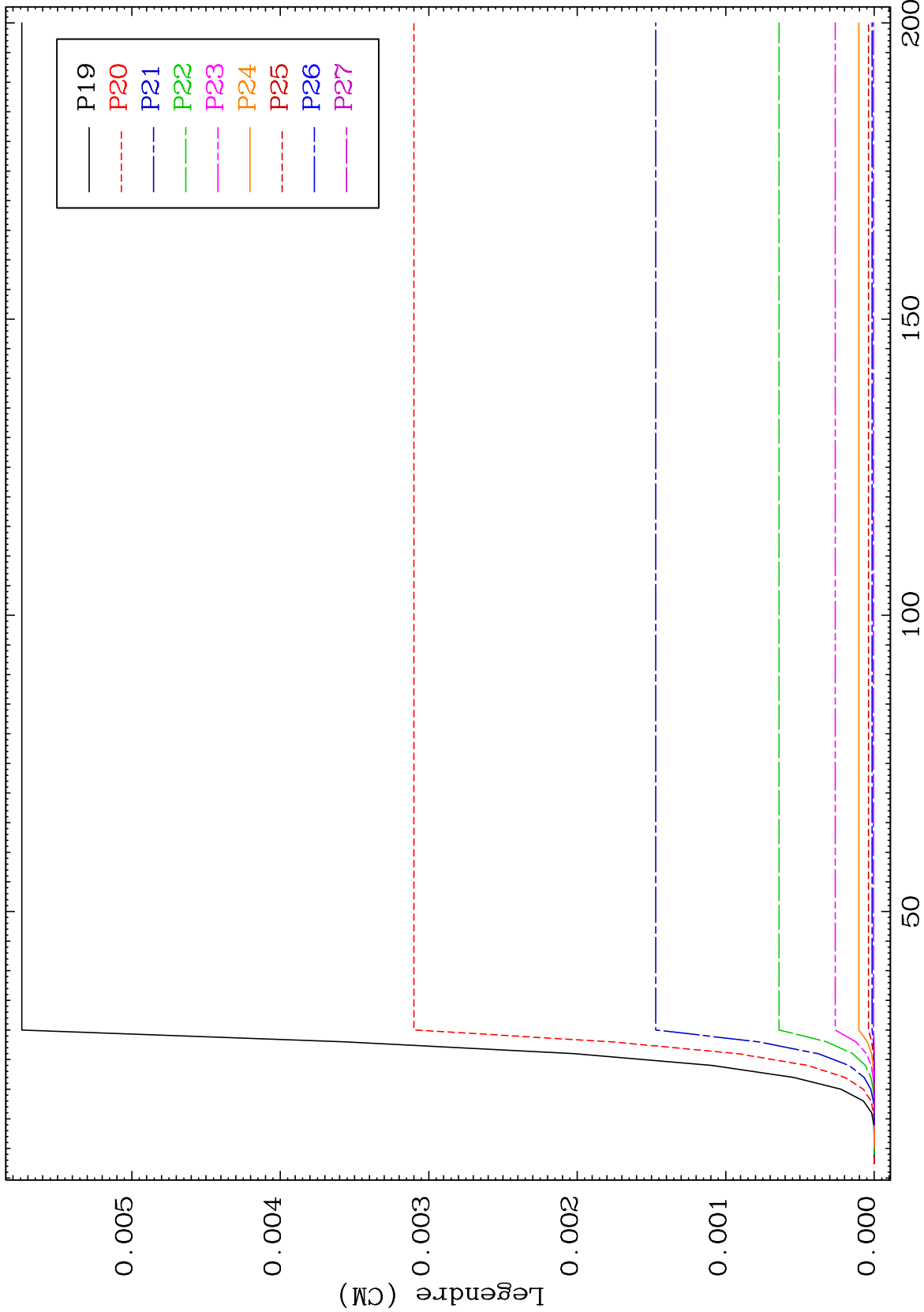
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



53

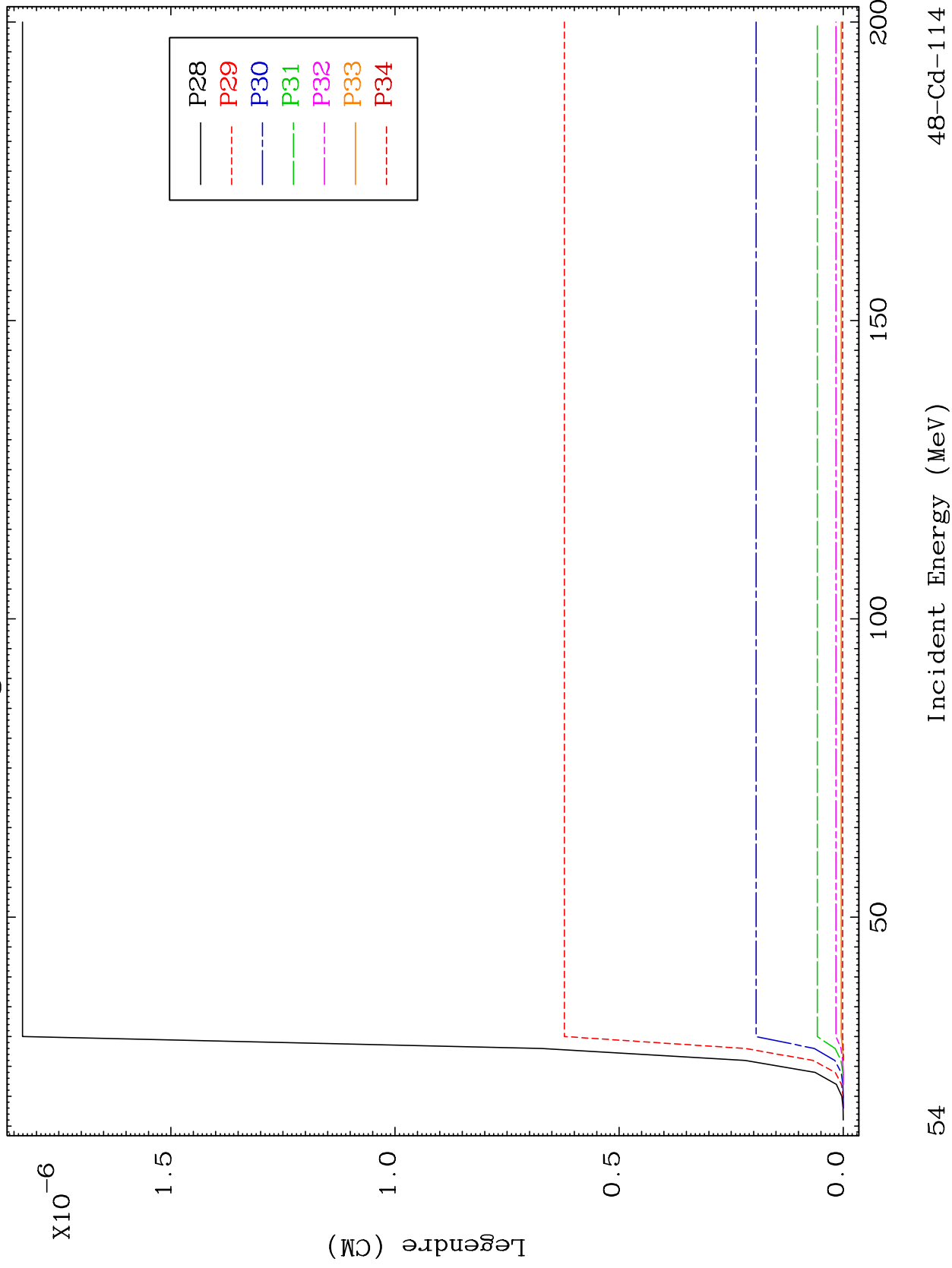
Incident Energy (MeV)

48-Cd-114

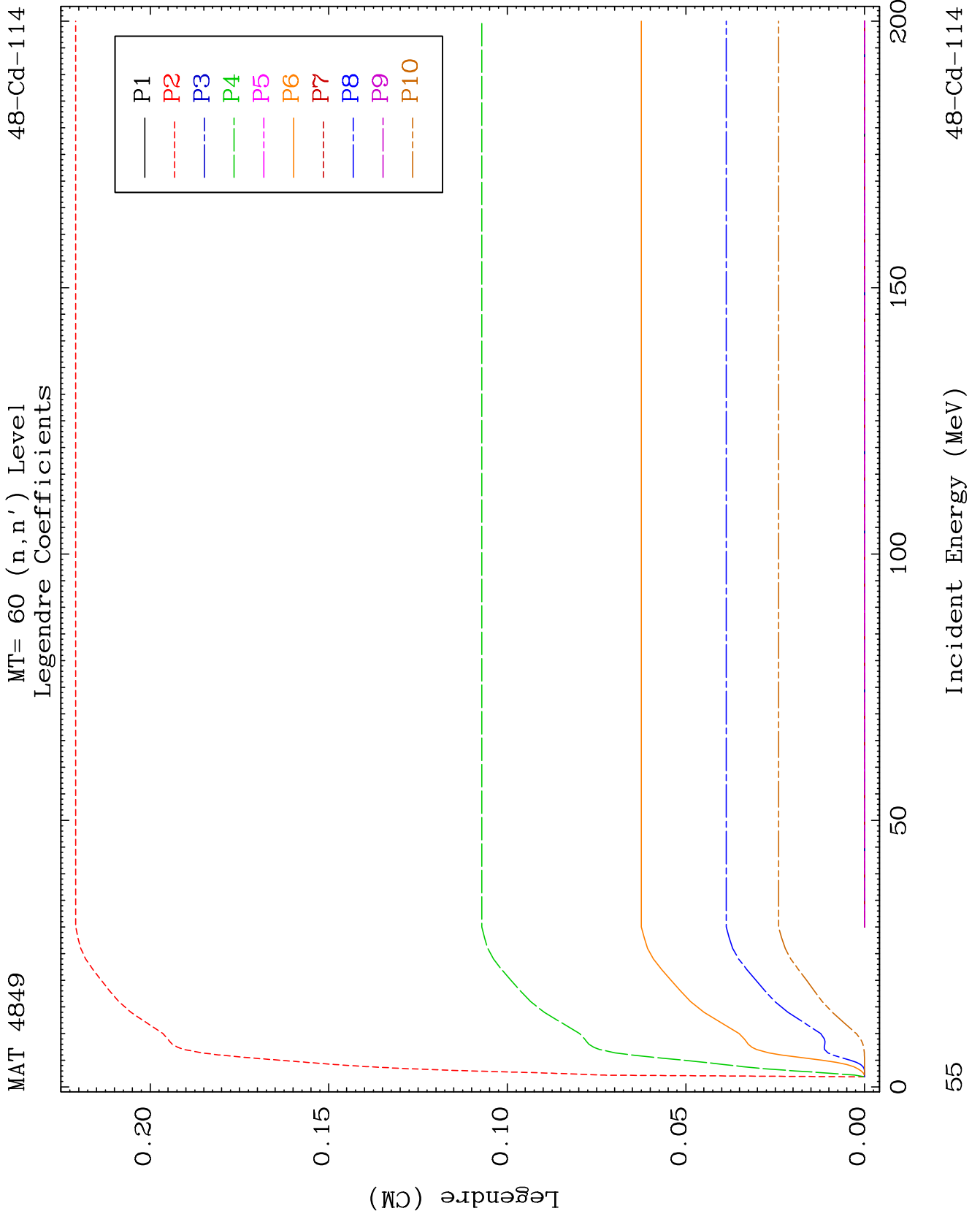
MAT 4849

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

48-Cd-114



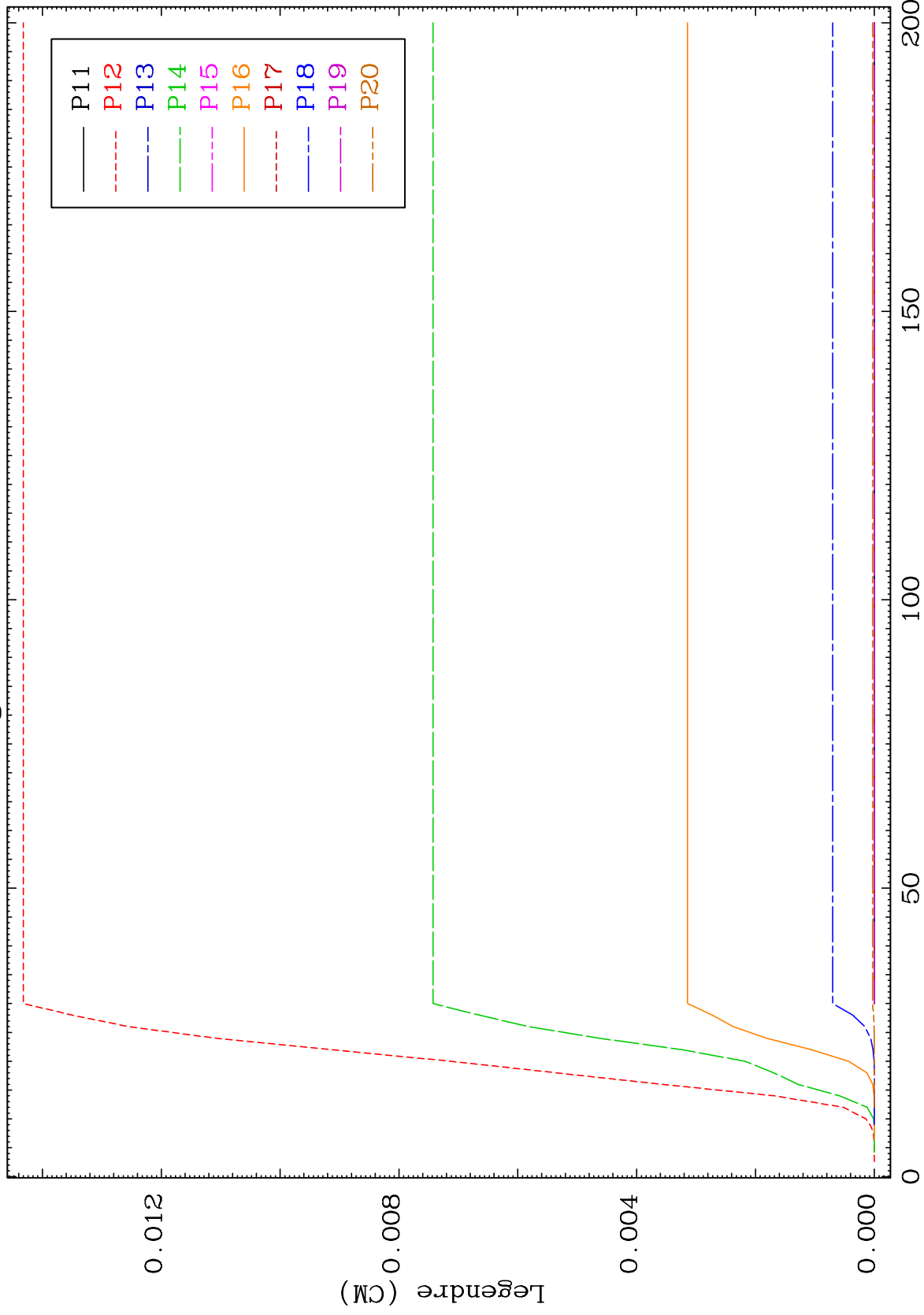
54



MAT 4849

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

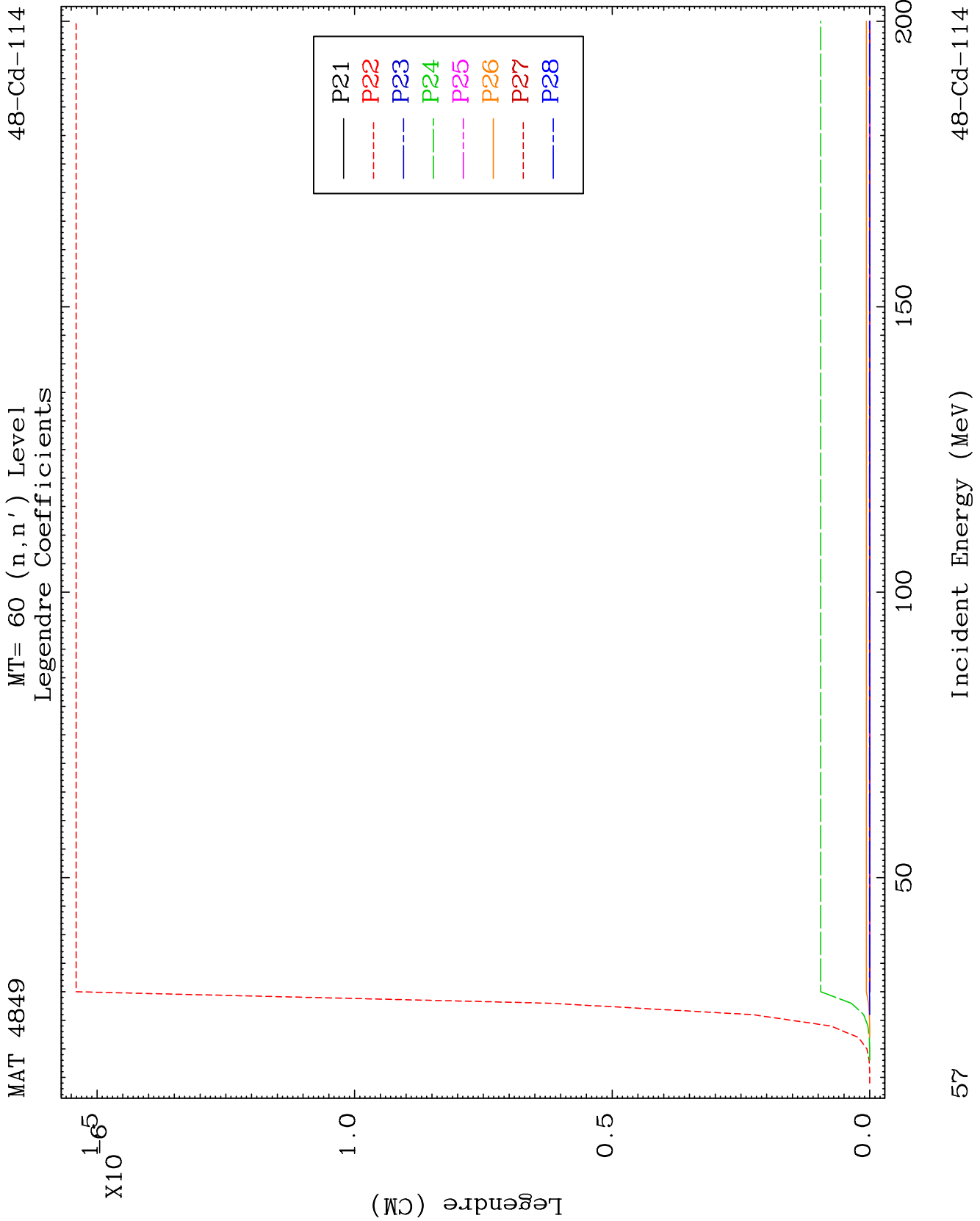
48-Cd-114



56

Incident Energy (MeV)

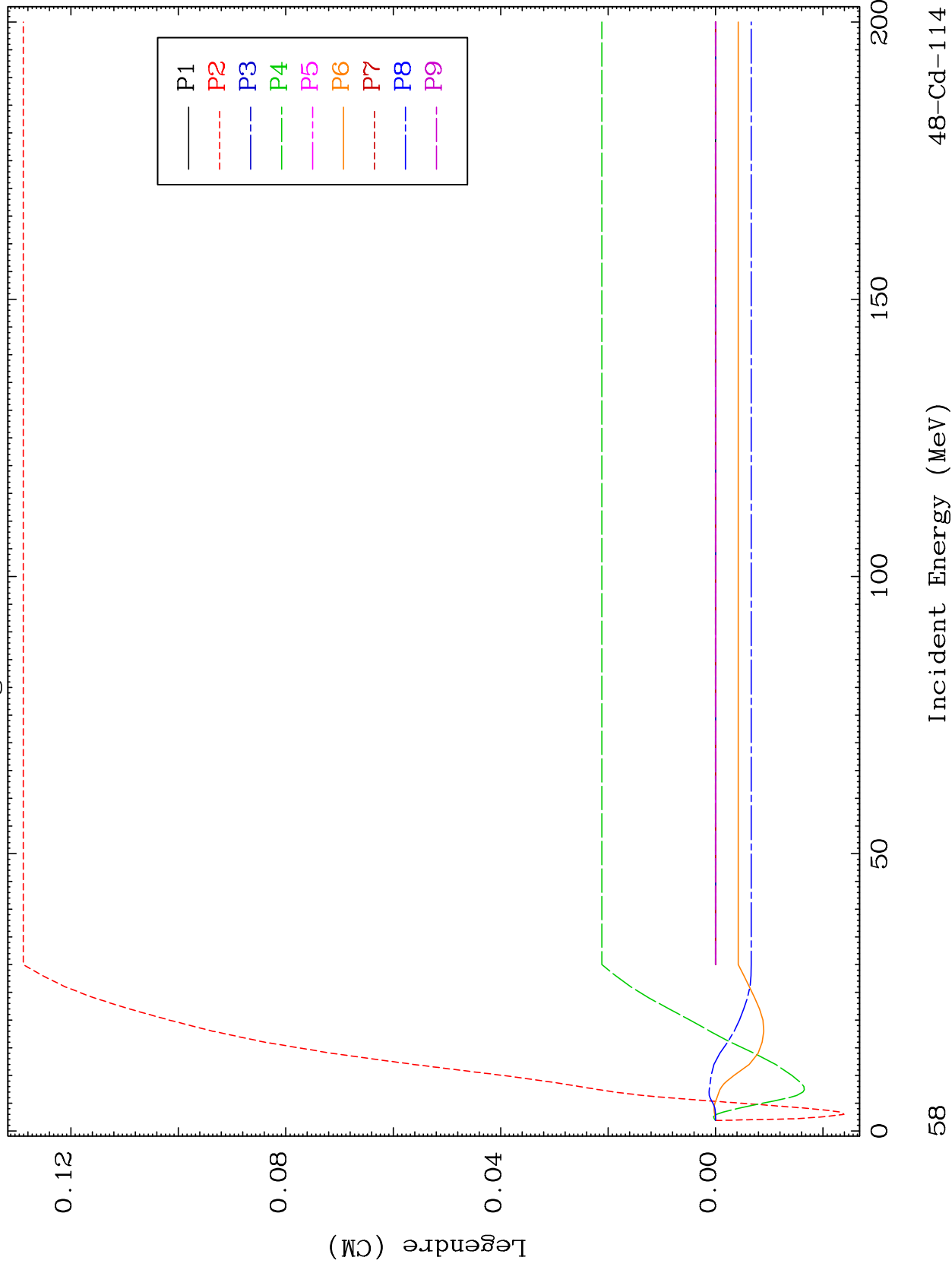
48-Cd-114



MAT 4849

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

48-Cd-114



48-Cd-114

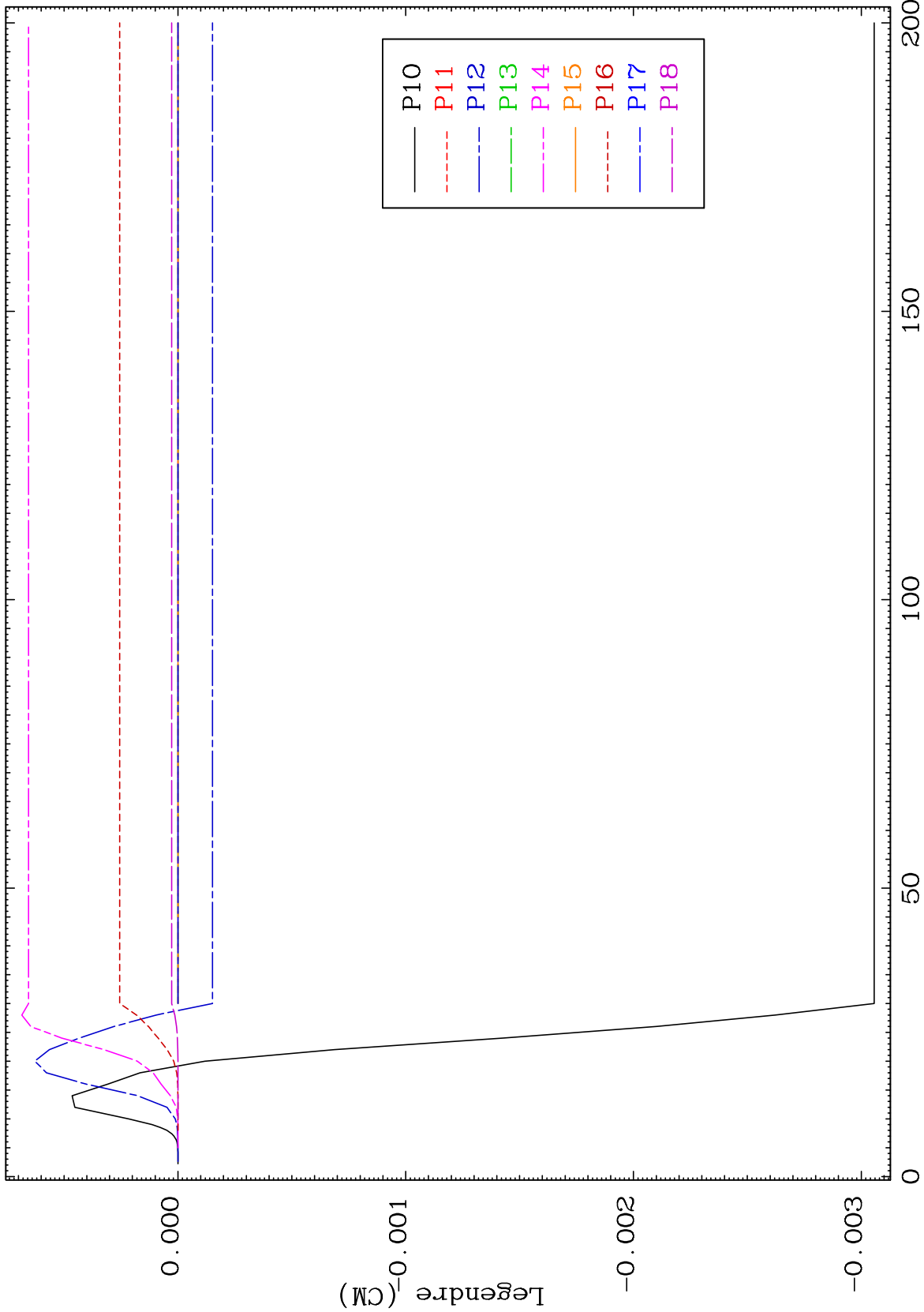
Incident Energy (MeV)

58

MAT 4849

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

48-Cd-114



59

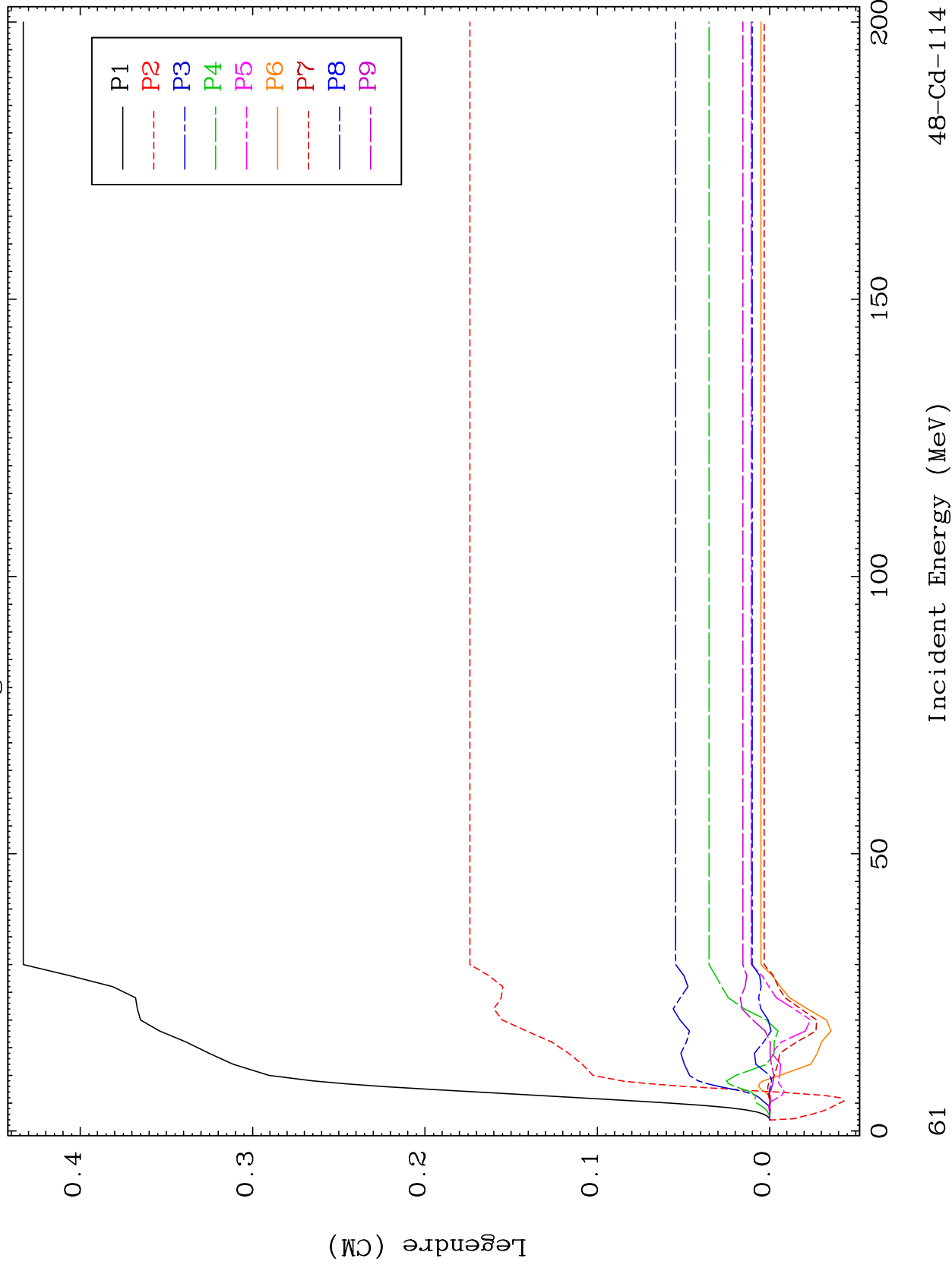
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



48-Cd-114

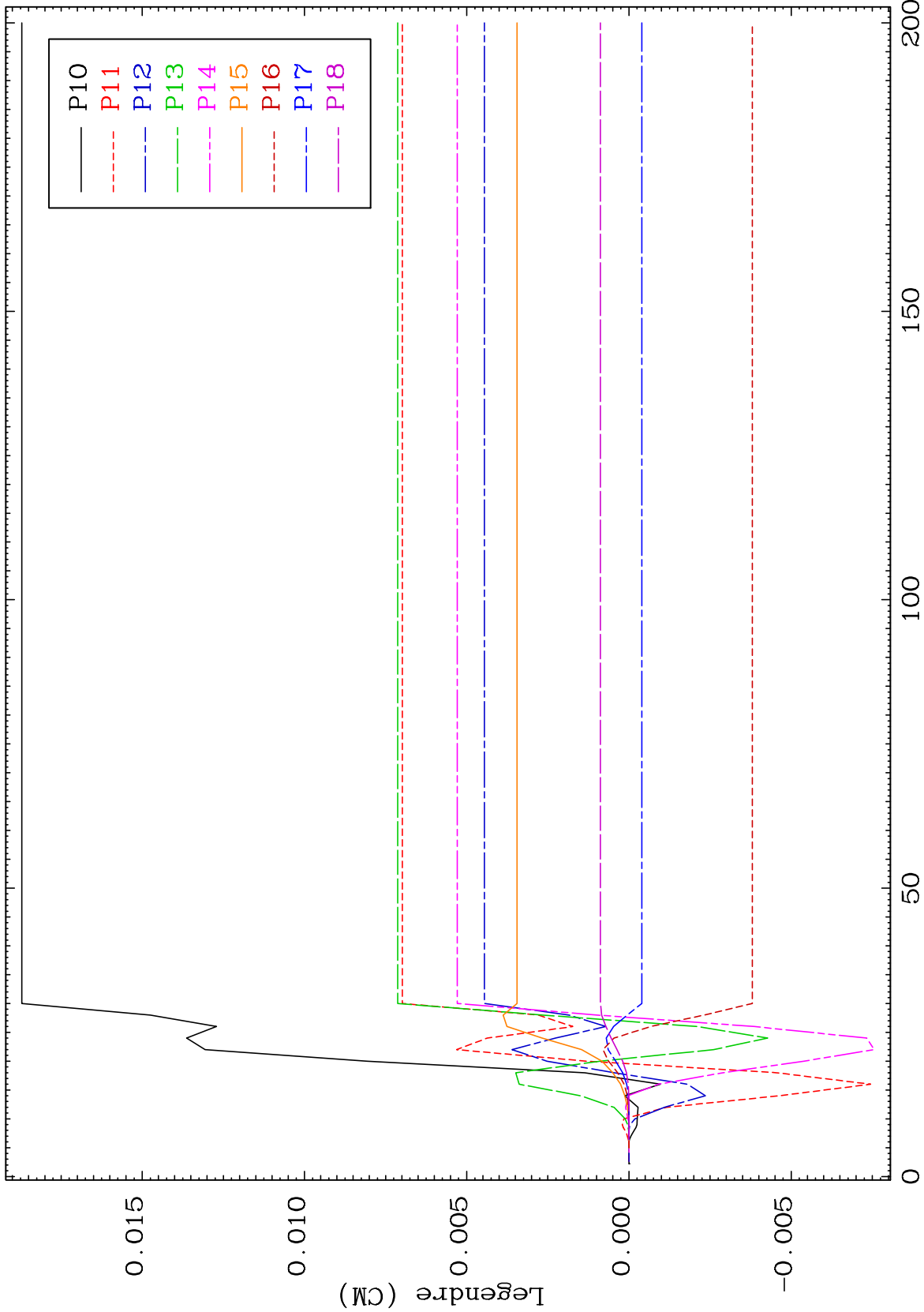
Incident Energy (MeV)

61

MAT 4849

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

48-Cd-114



62

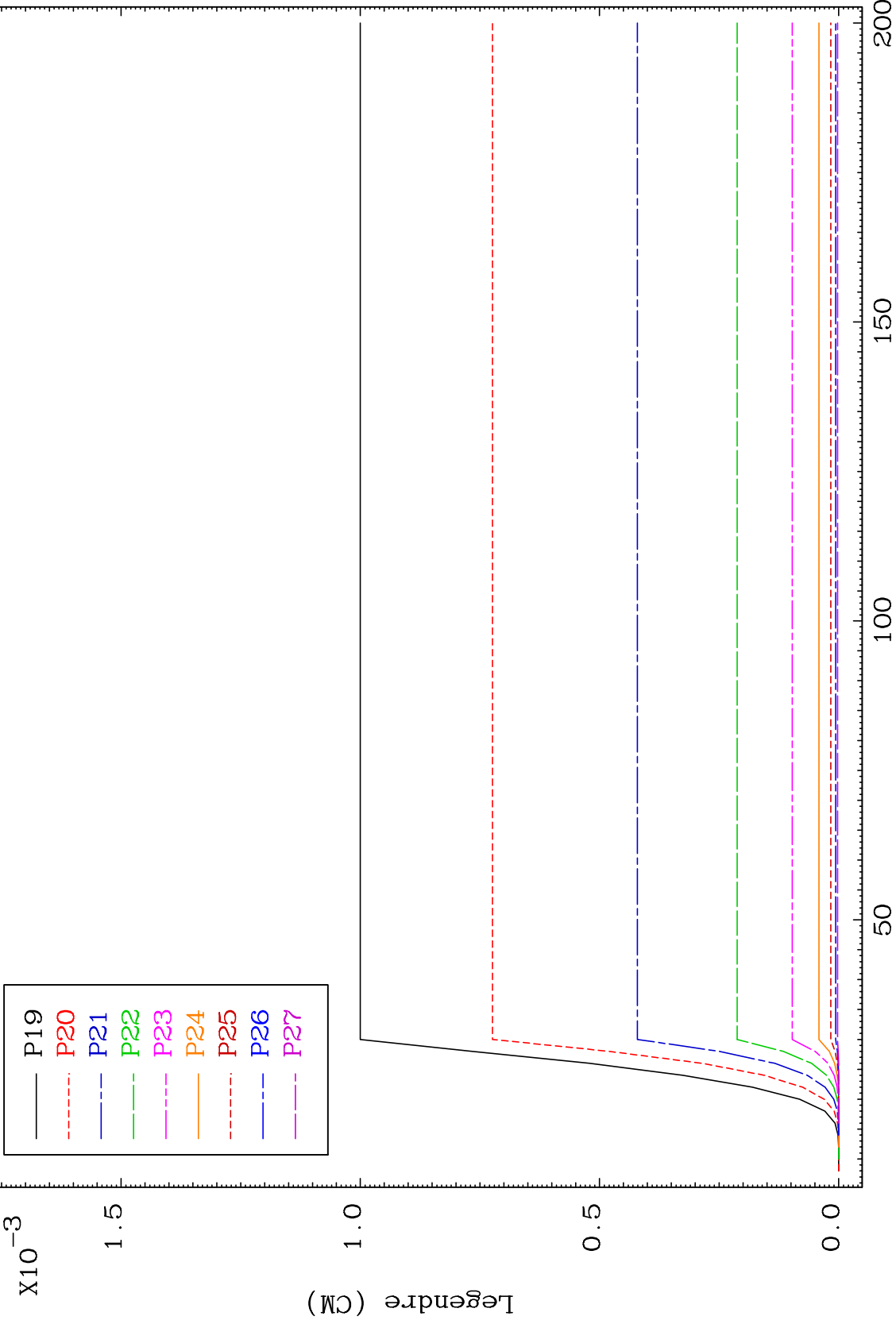
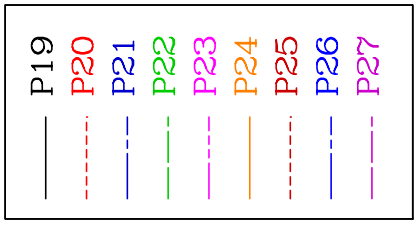
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



63

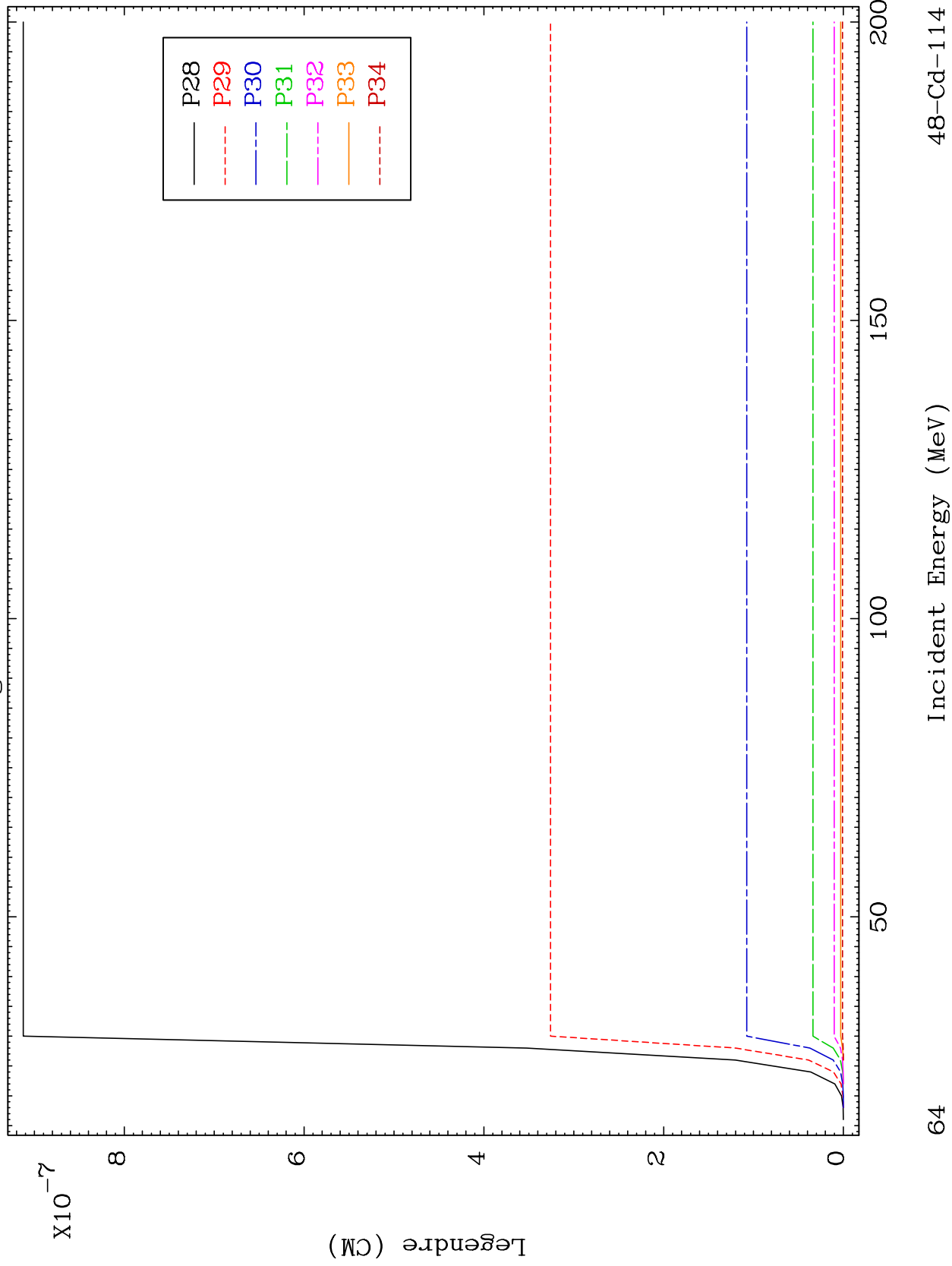
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



64

Incident Energy (MeV)

48-Cd-114

200

150

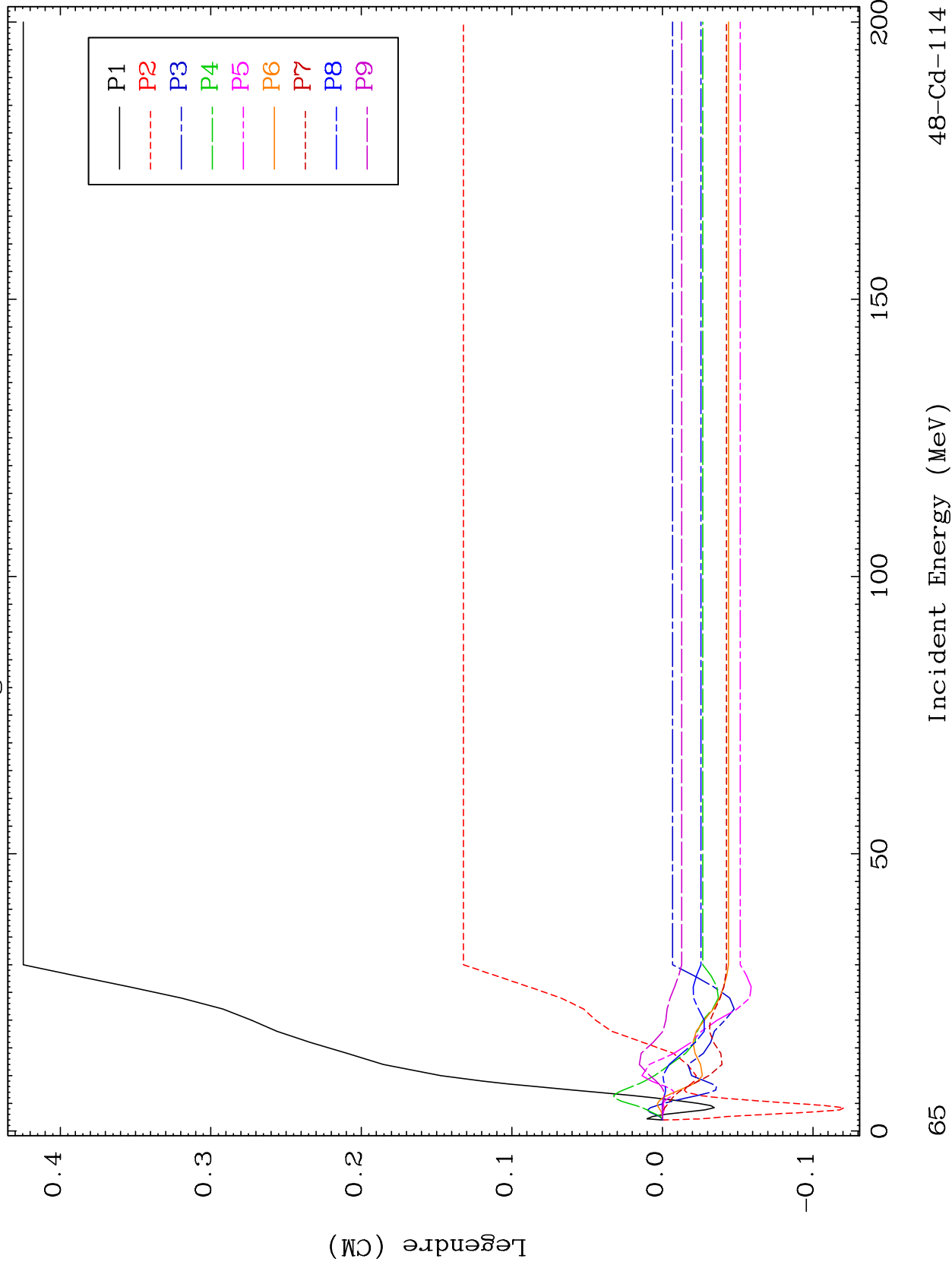
100

50

MAT 4849

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

48-Cd-114



48-Cd-114

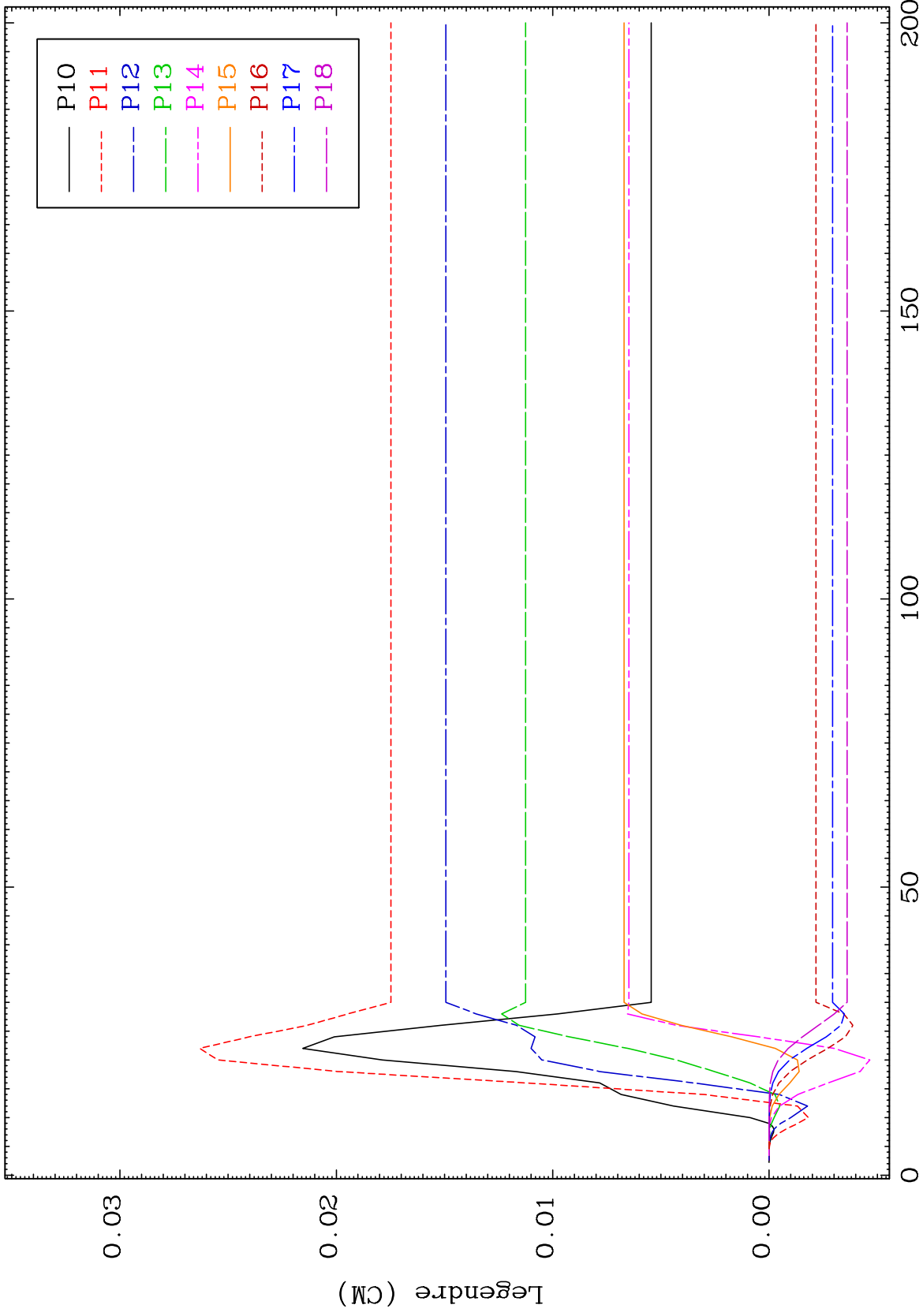
Incident Energy (MeV)

65

MAT 4849

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

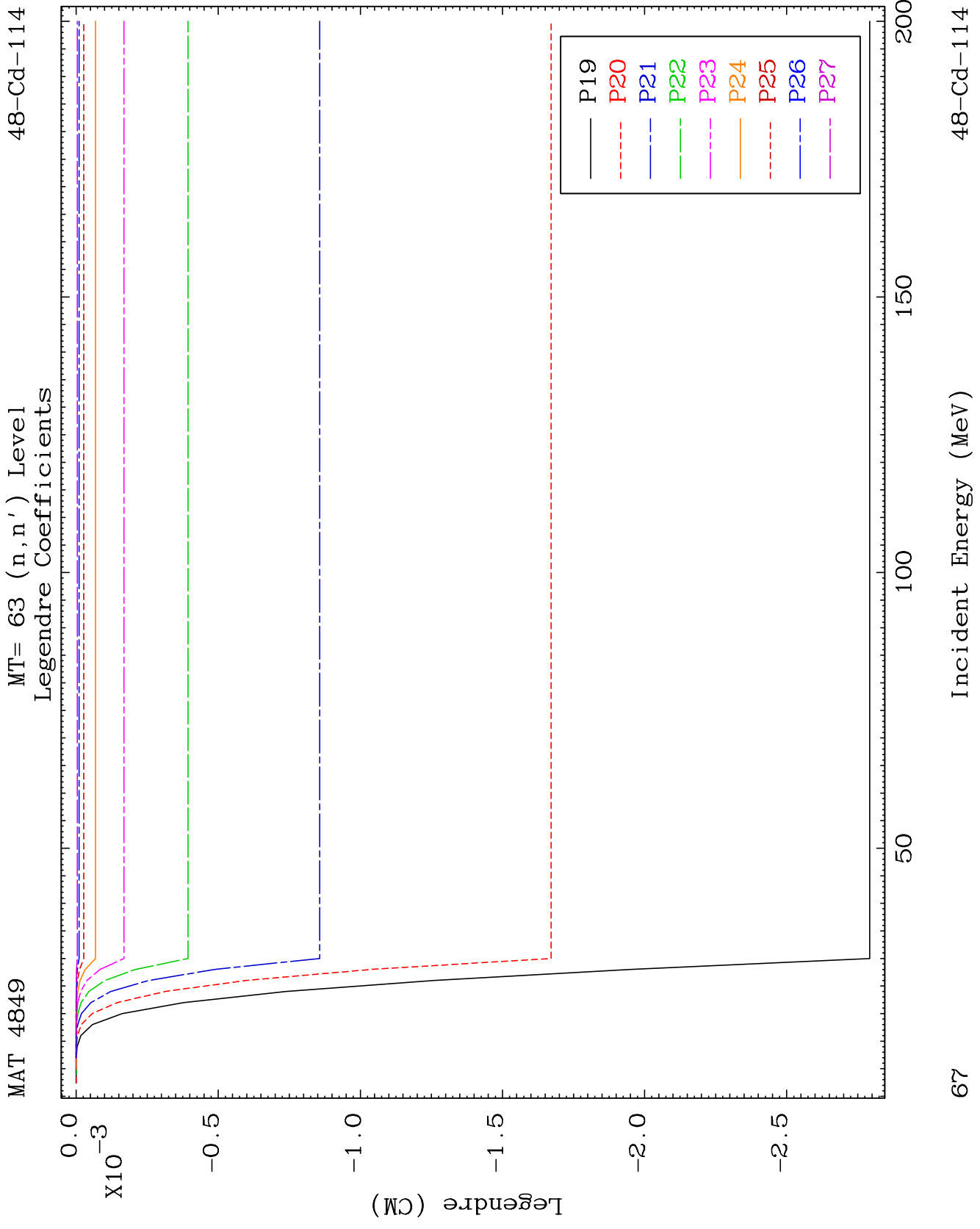
48-Cd-114



66

Incident Energy (MeV)

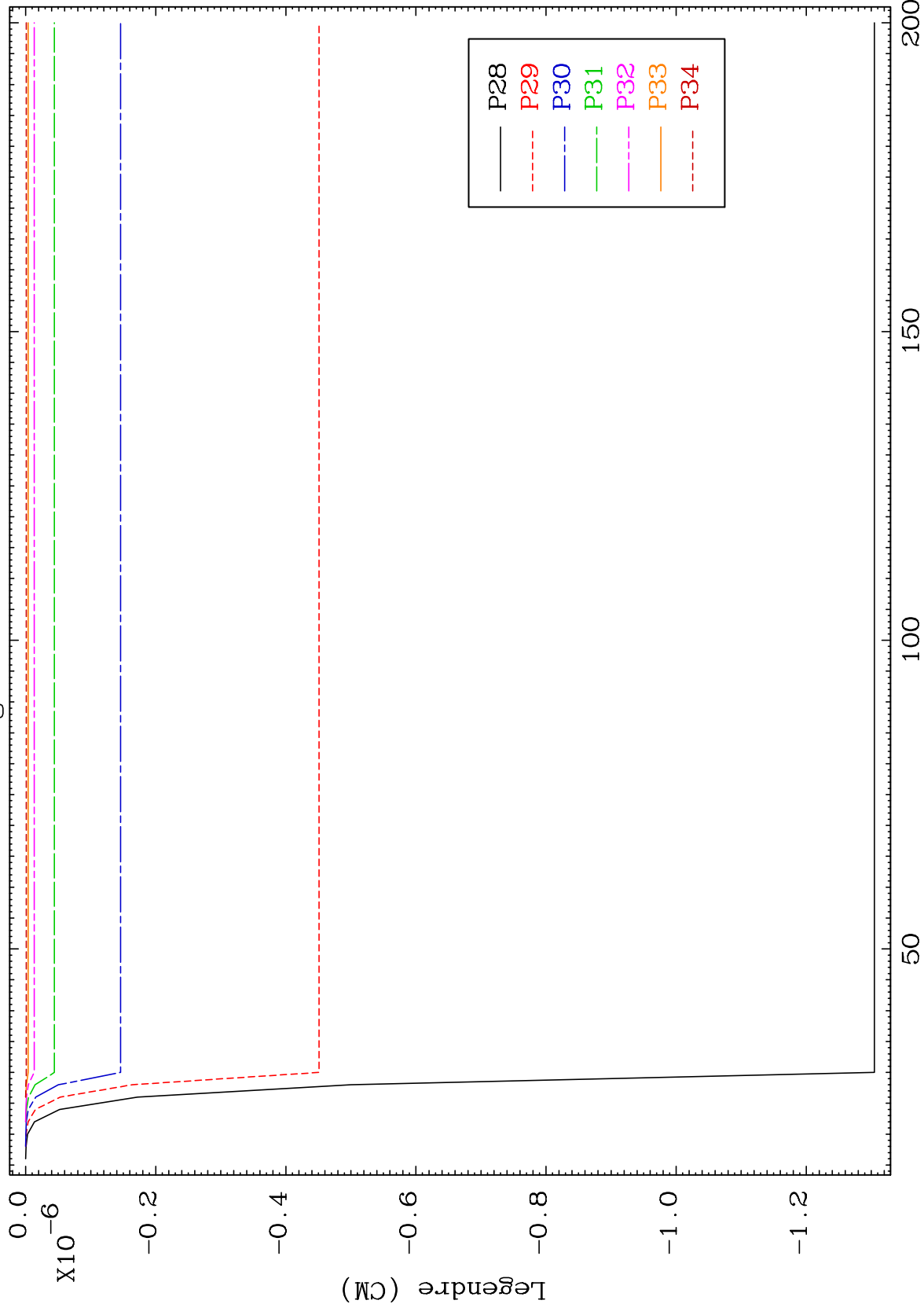
48-Cd-114



MAT 4849

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

48-Cd-114



68

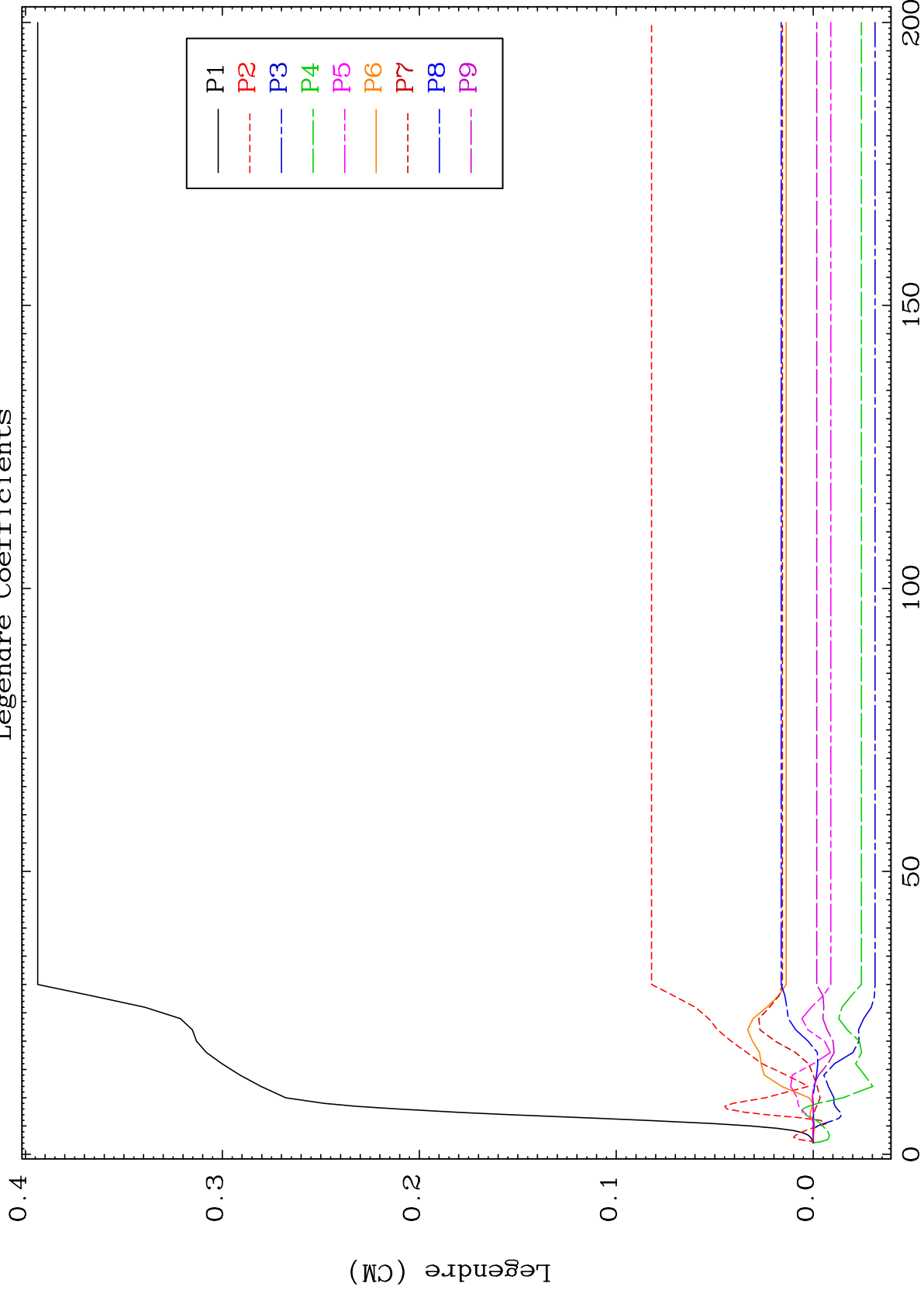
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



69

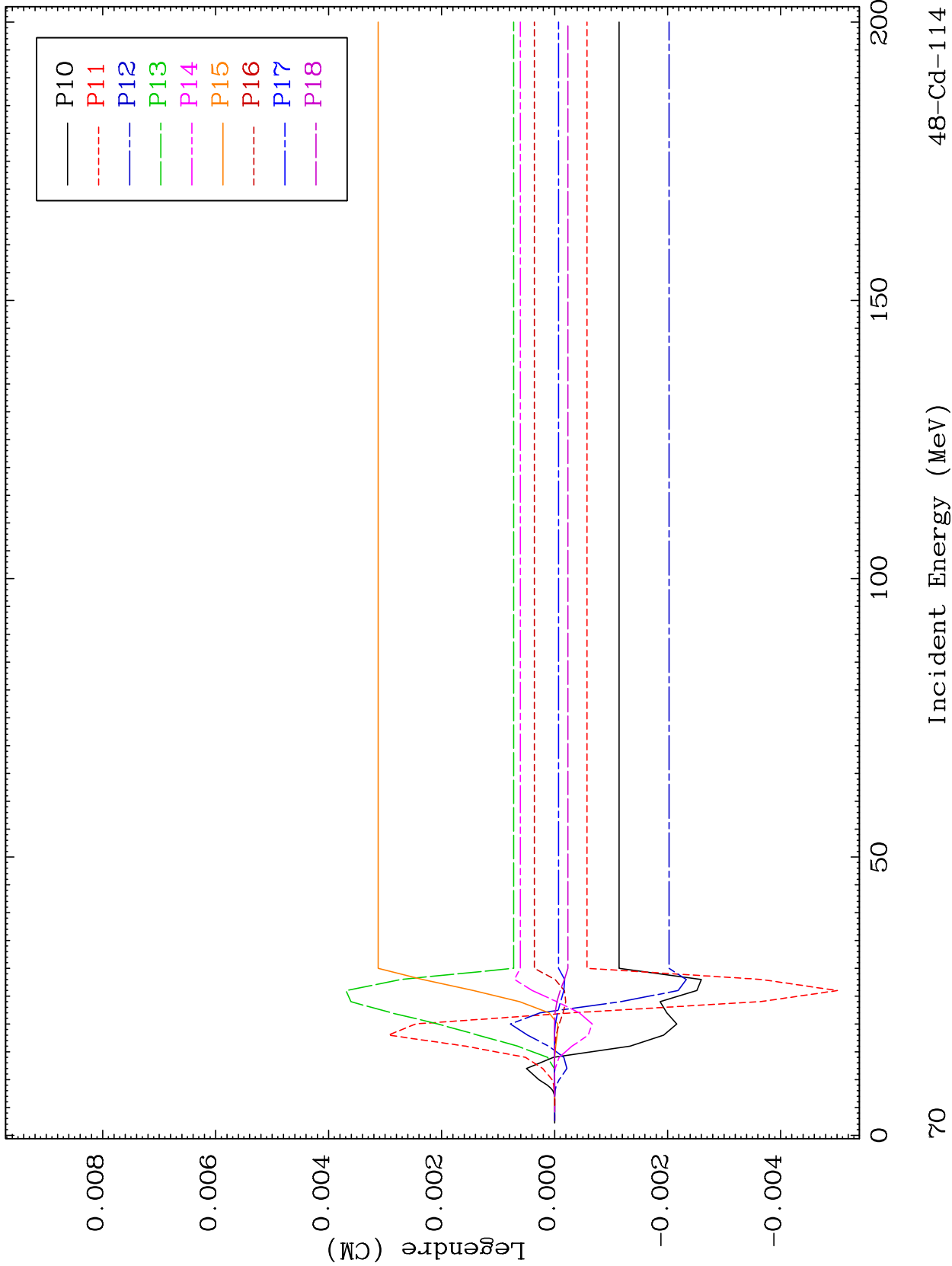
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



48-Cd-114

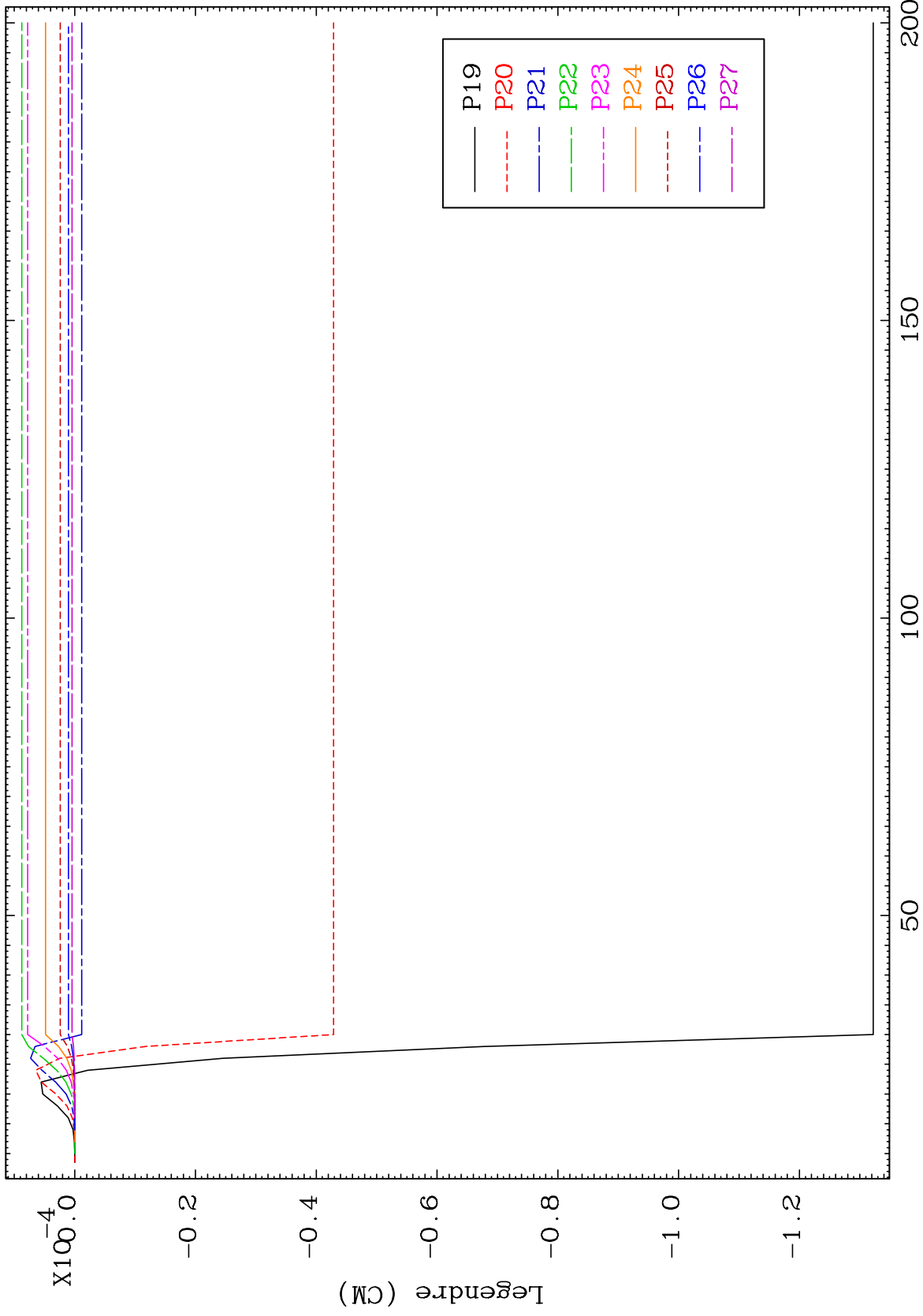
Incident Energy (MeV)

70

MAT 4849

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

48-Cd-114



71

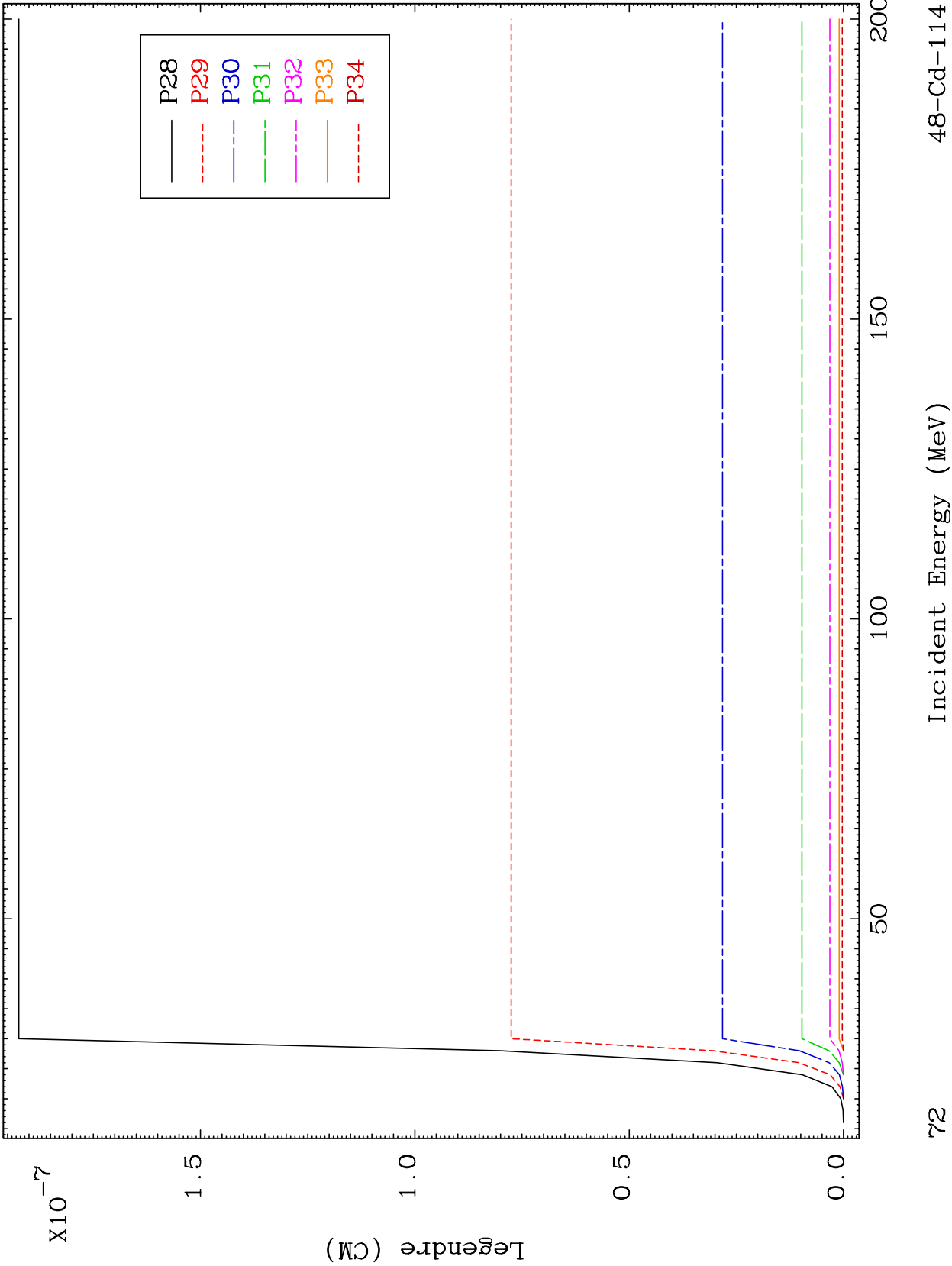
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



72

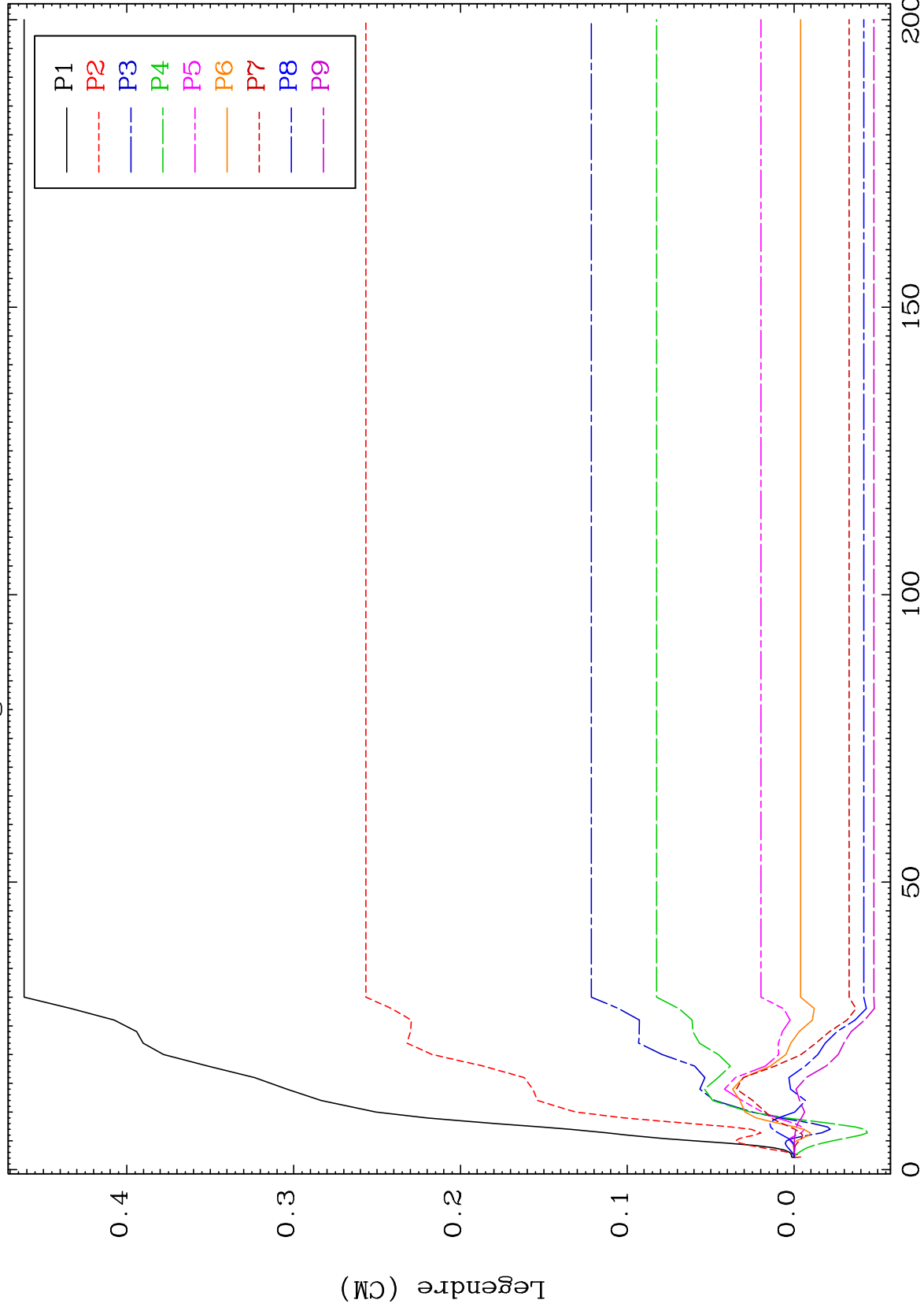
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



48-Cd-114

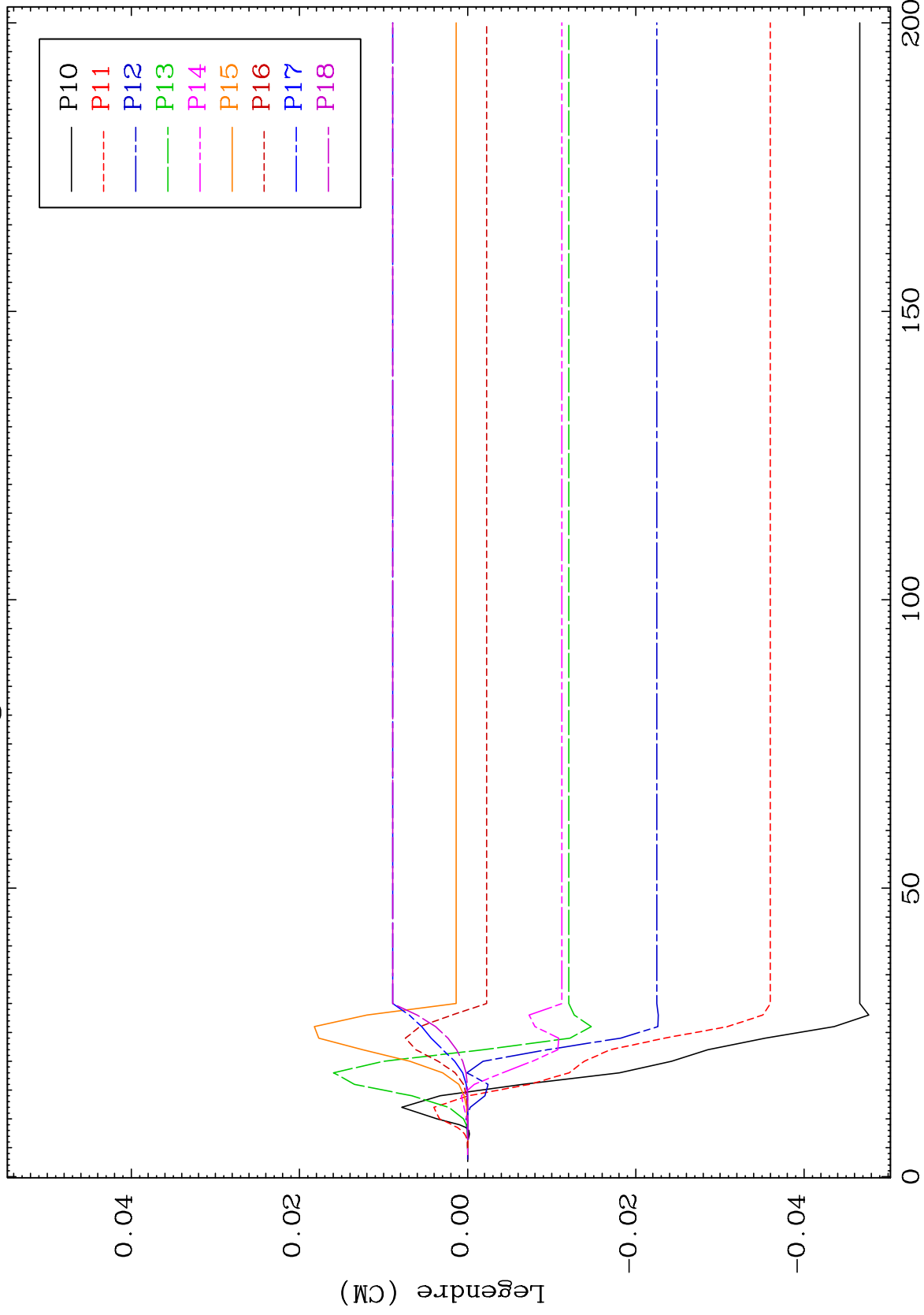
Incident Energy (MeV)

73

MAT 4849

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

48-Cd-114



74

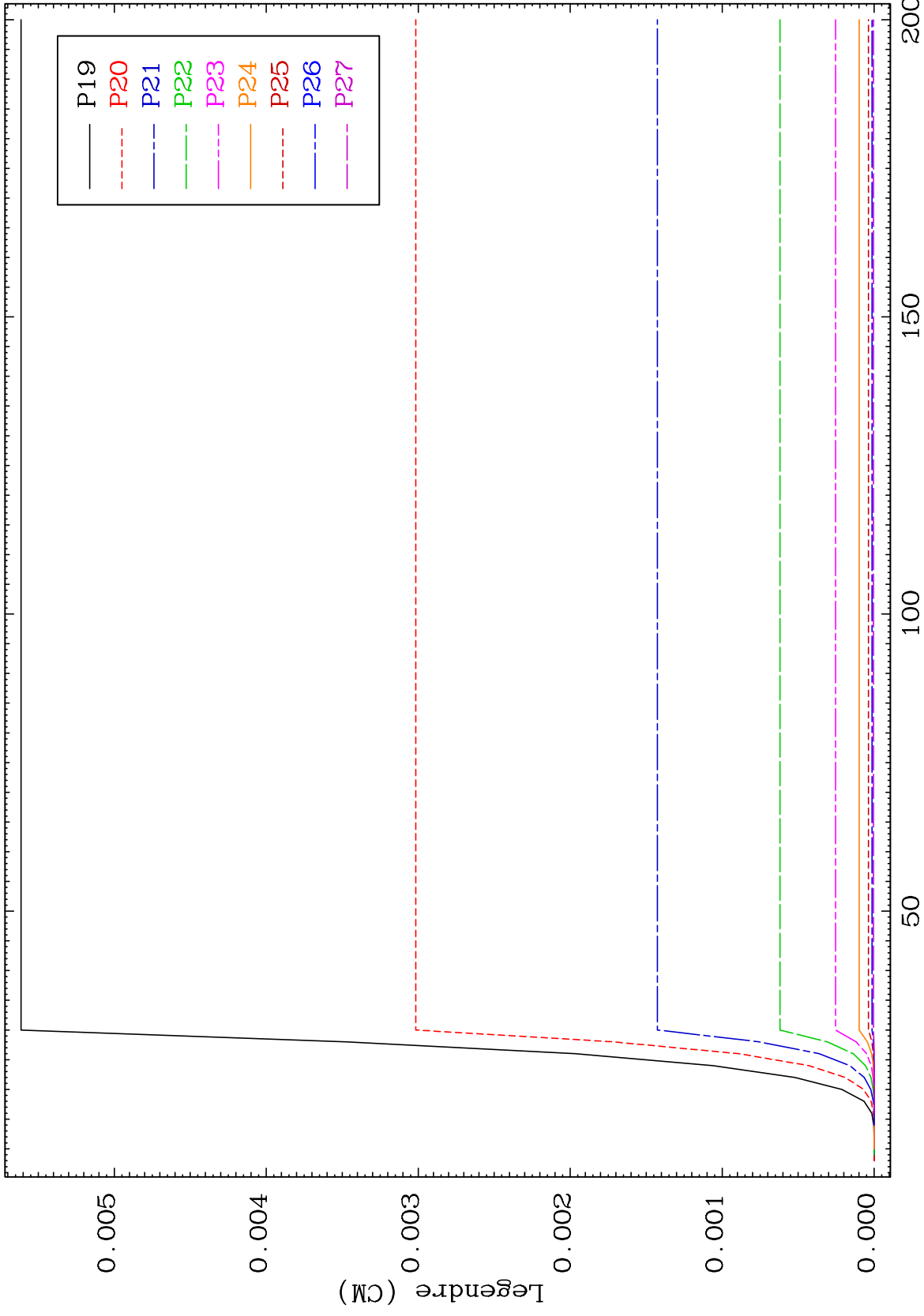
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



75

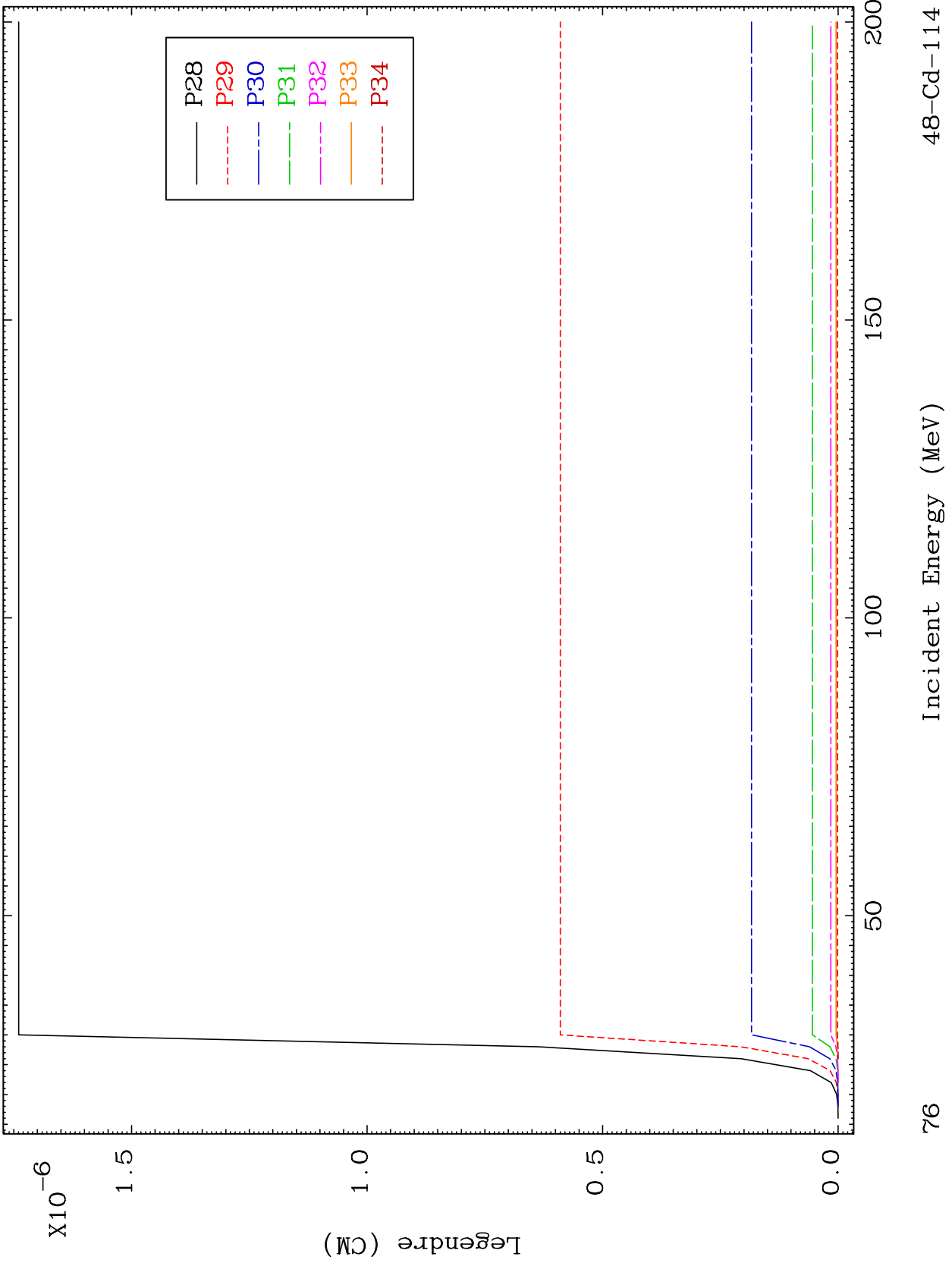
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

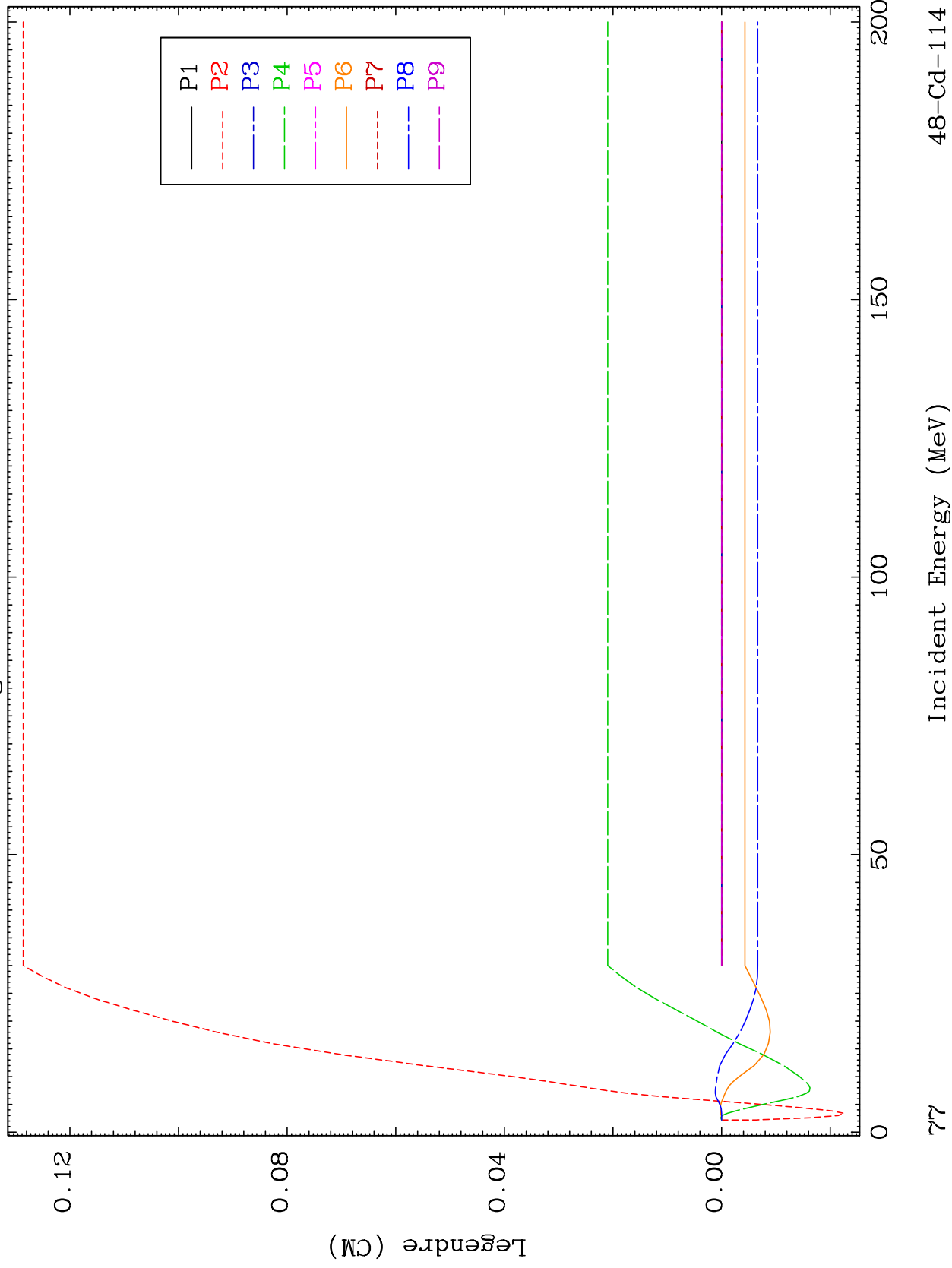
48-Cd-114



MAT 4849

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

48-Cd-114



48-Cd-114

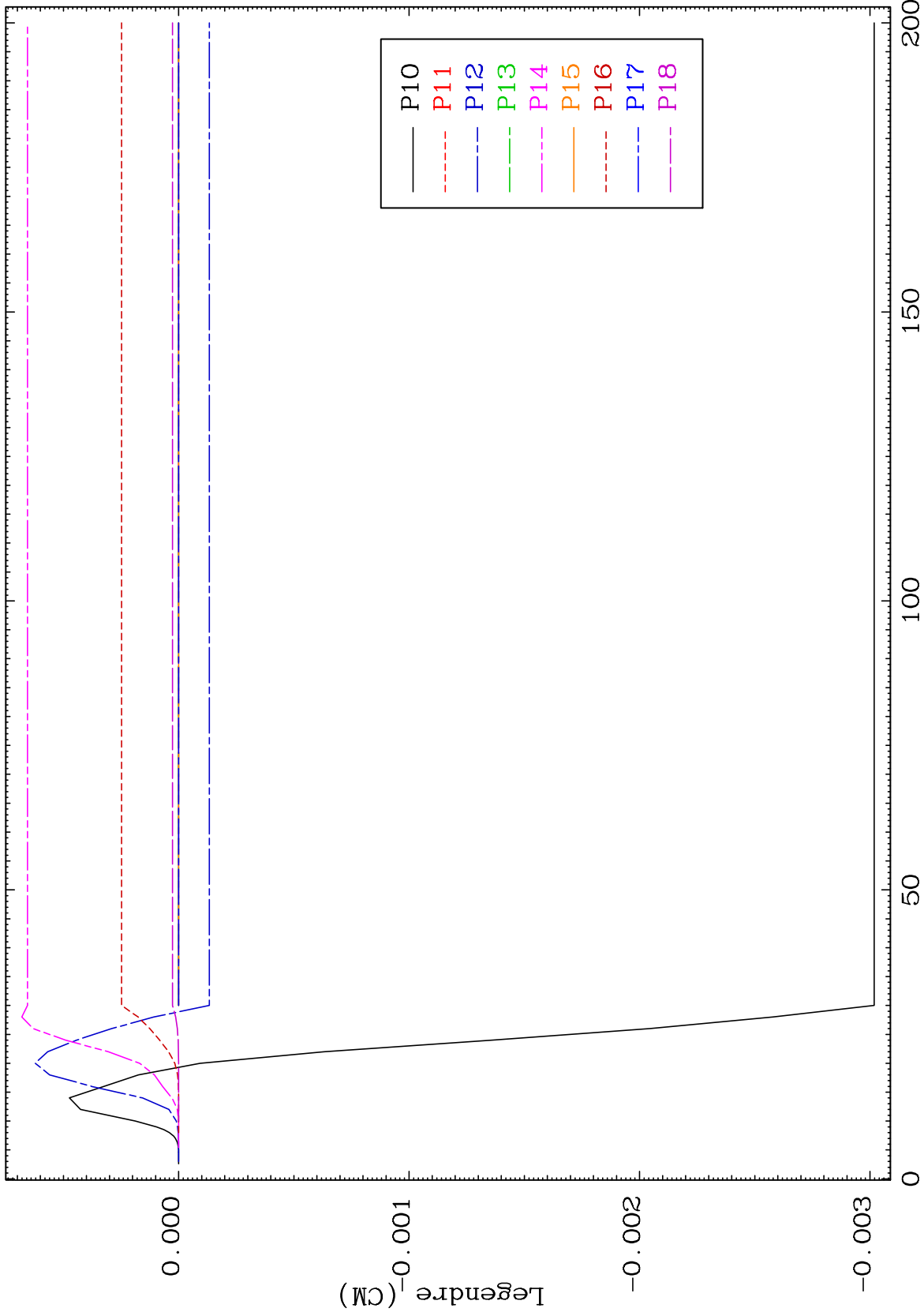
Incident Energy (MeV)

77

MAT 4849

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

48-Cd-114



78

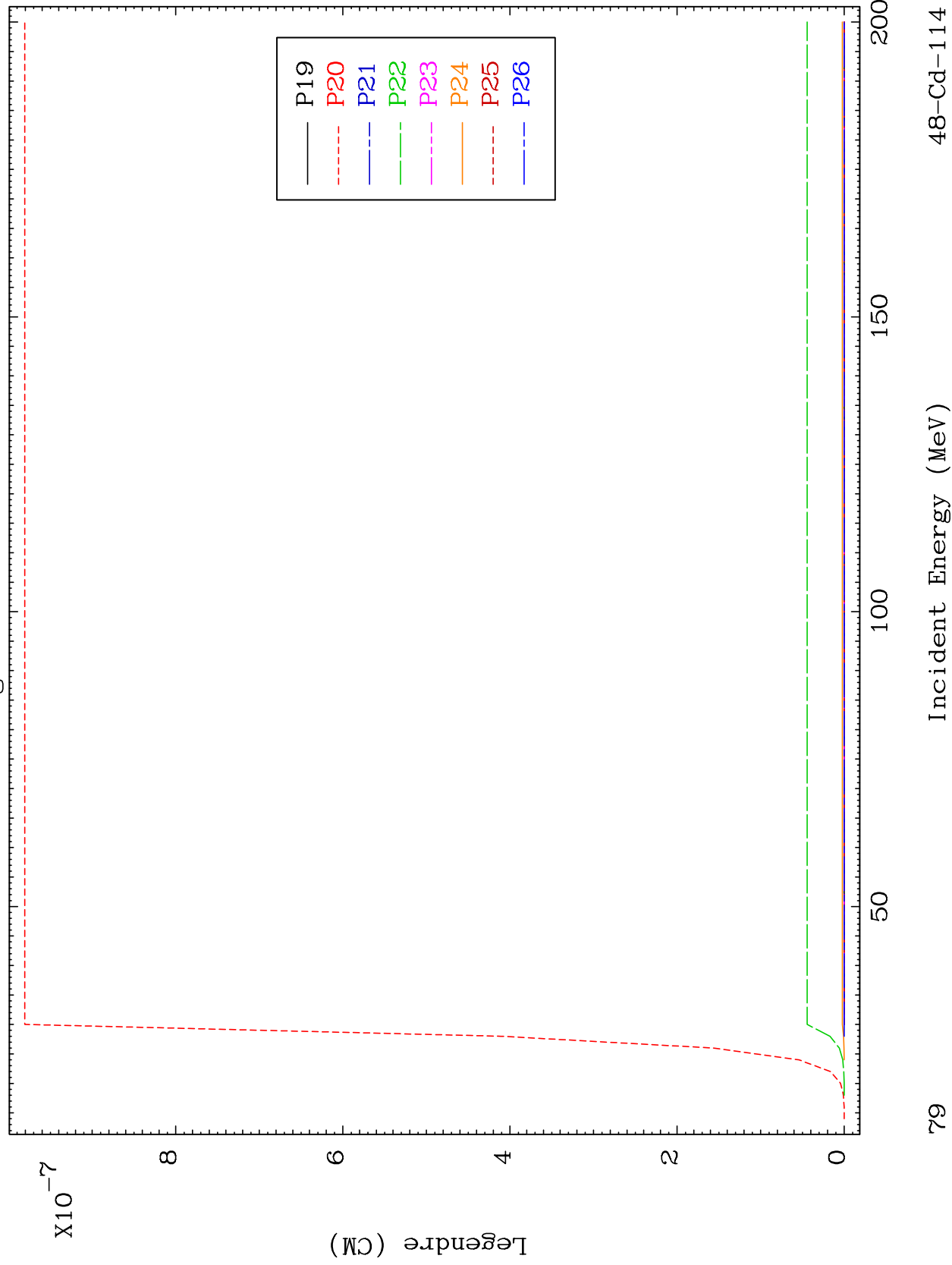
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114

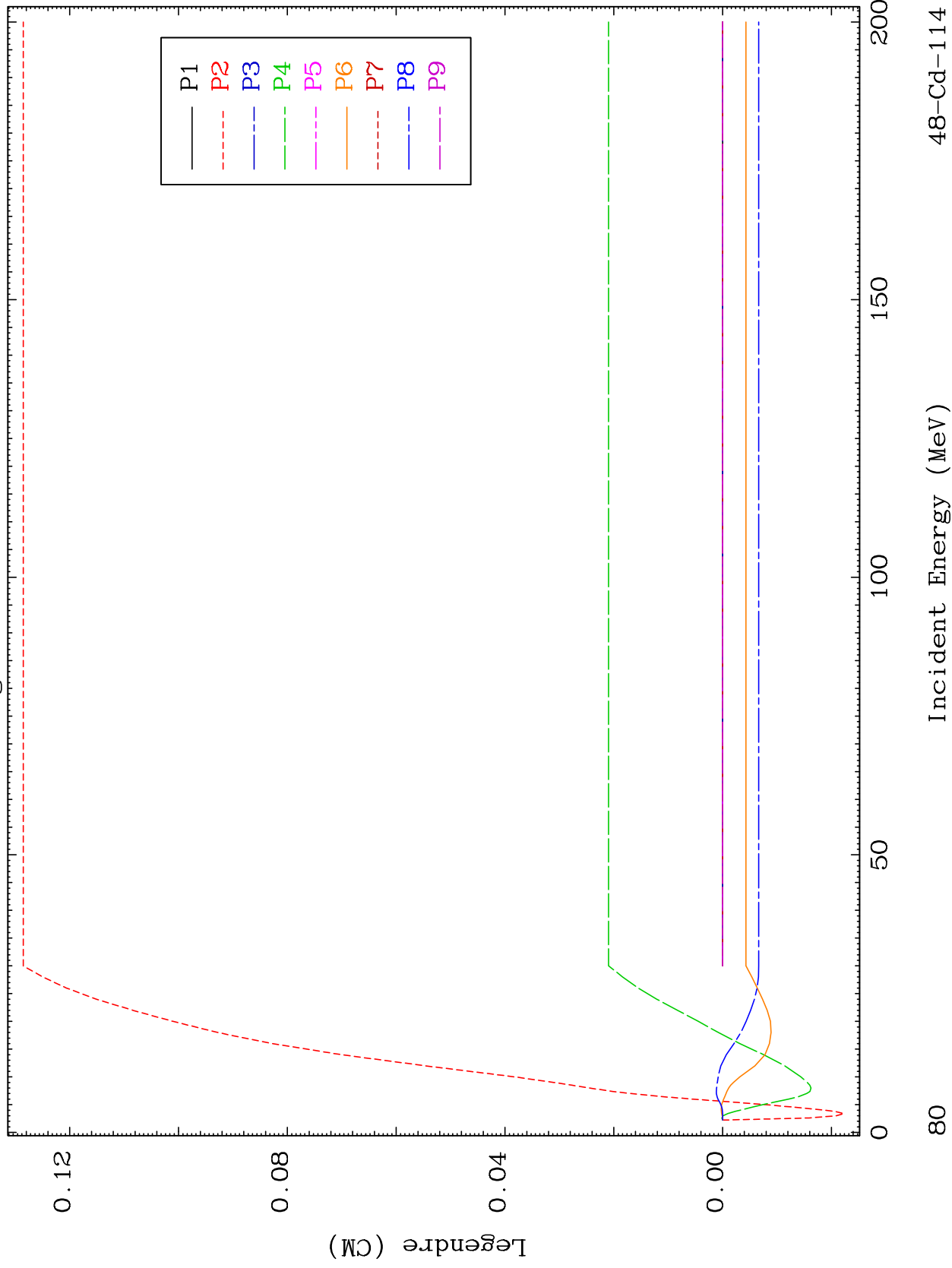


79

MAT 4849

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

48-Cd-114

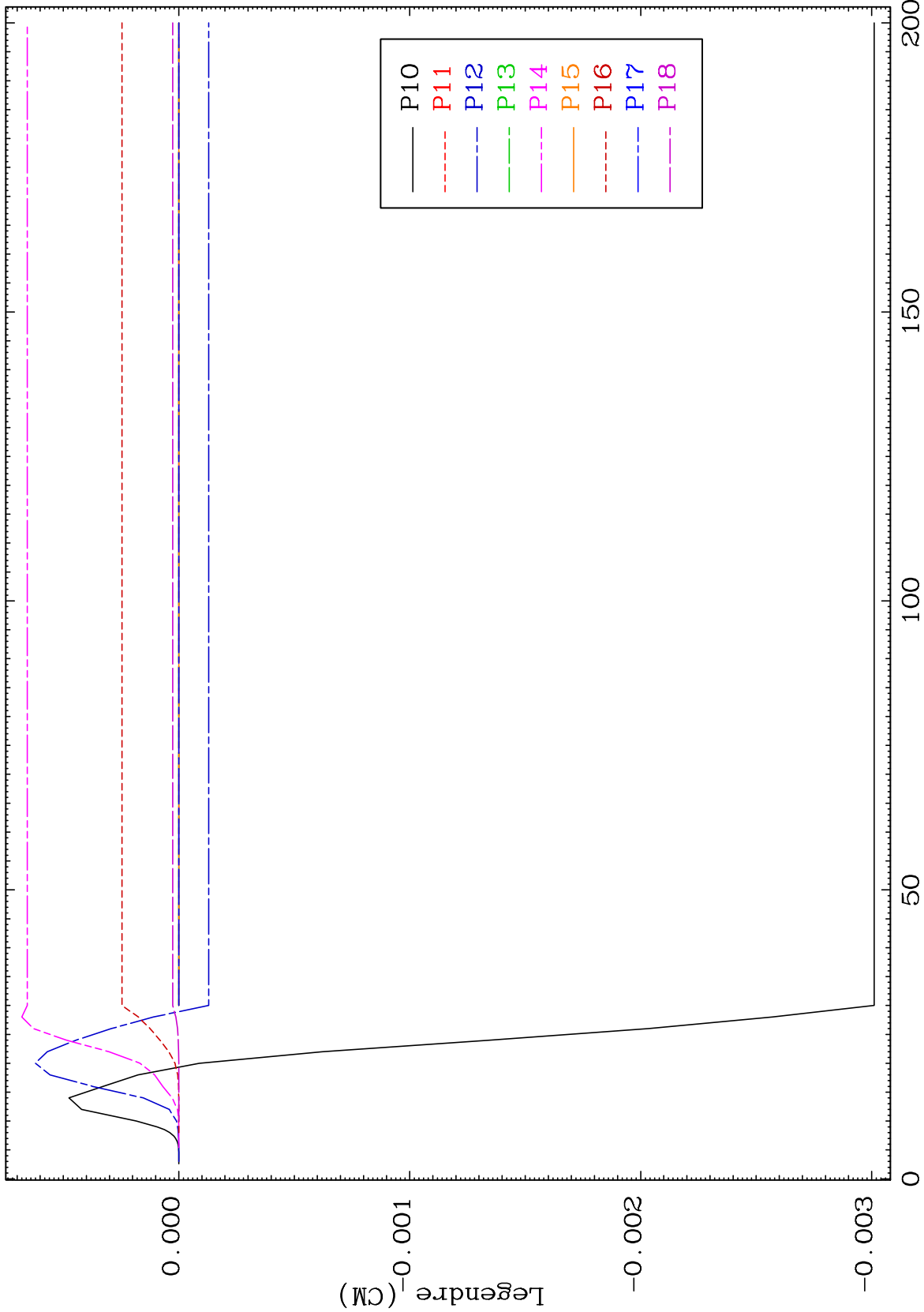


48-Cd-114

MAT 4849

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

48-Cd-114



81

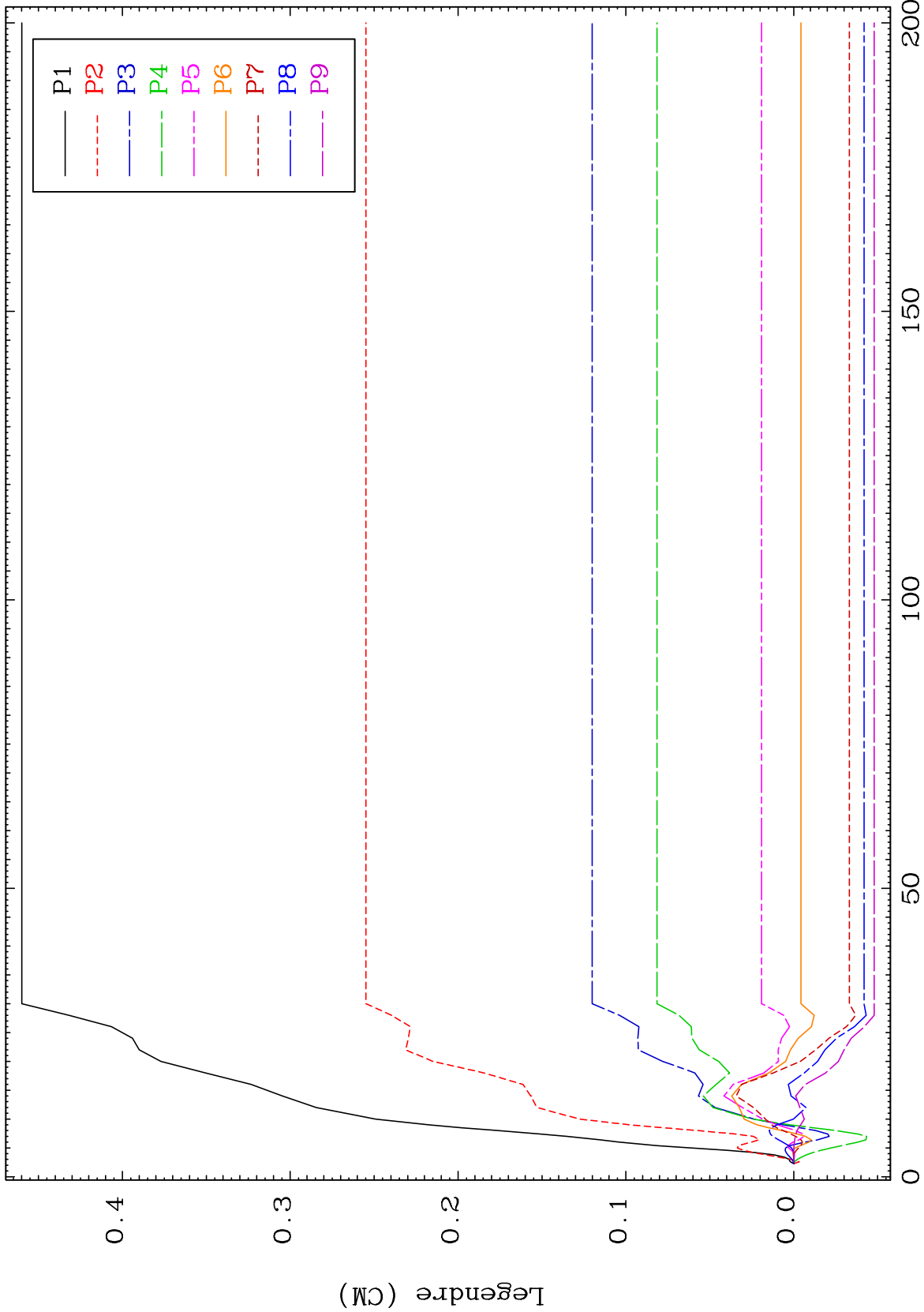
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



83

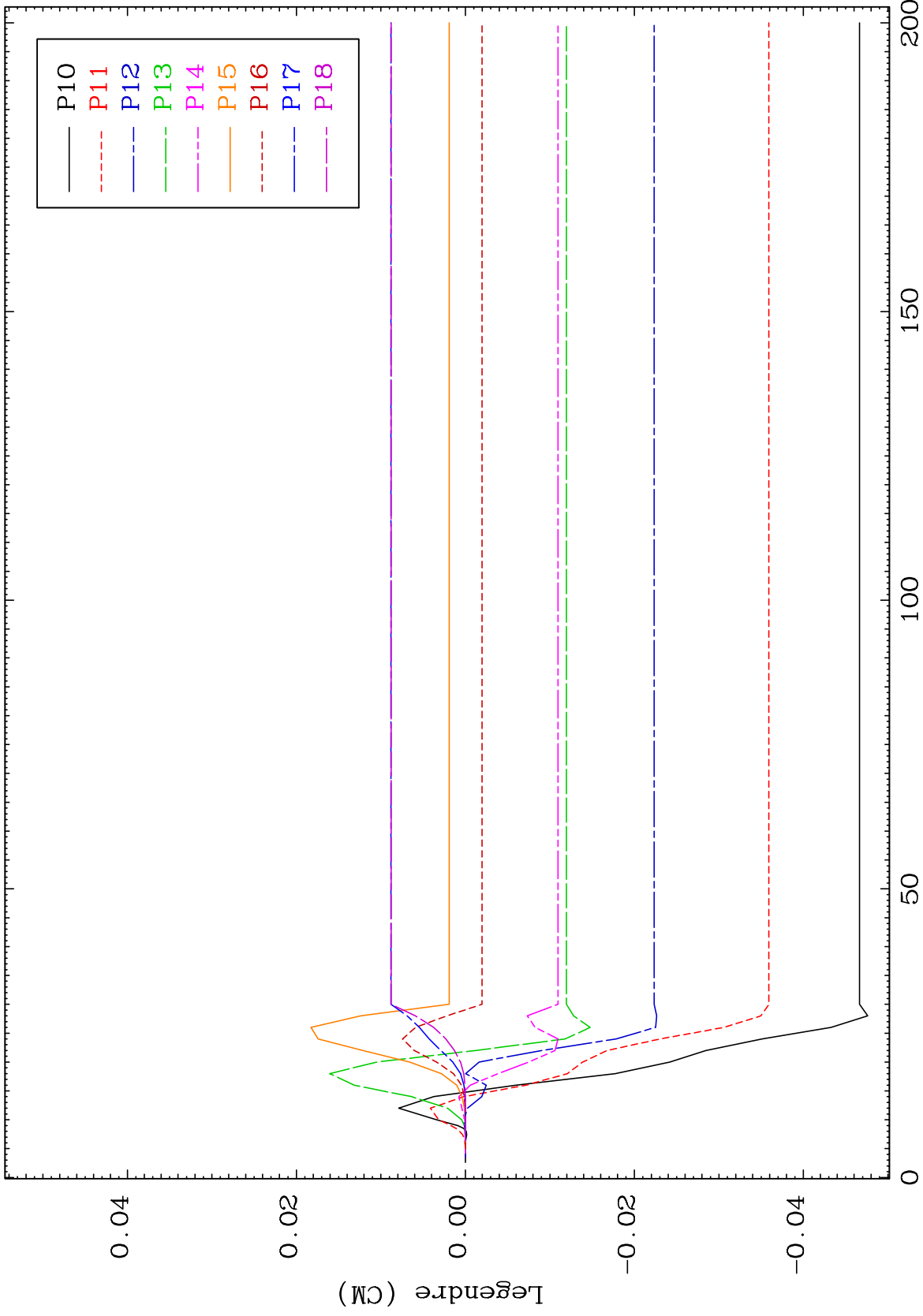
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



84

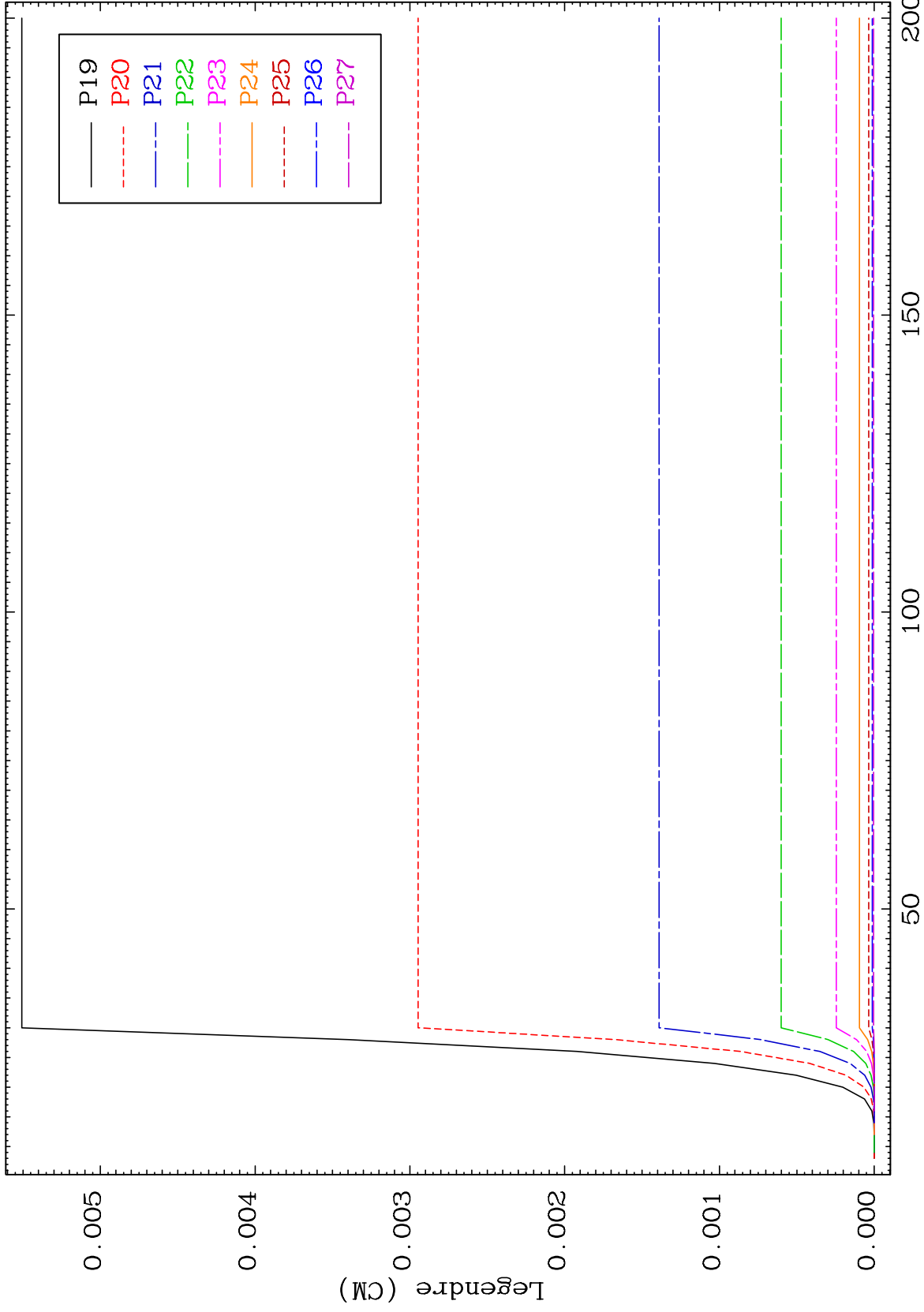
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



85

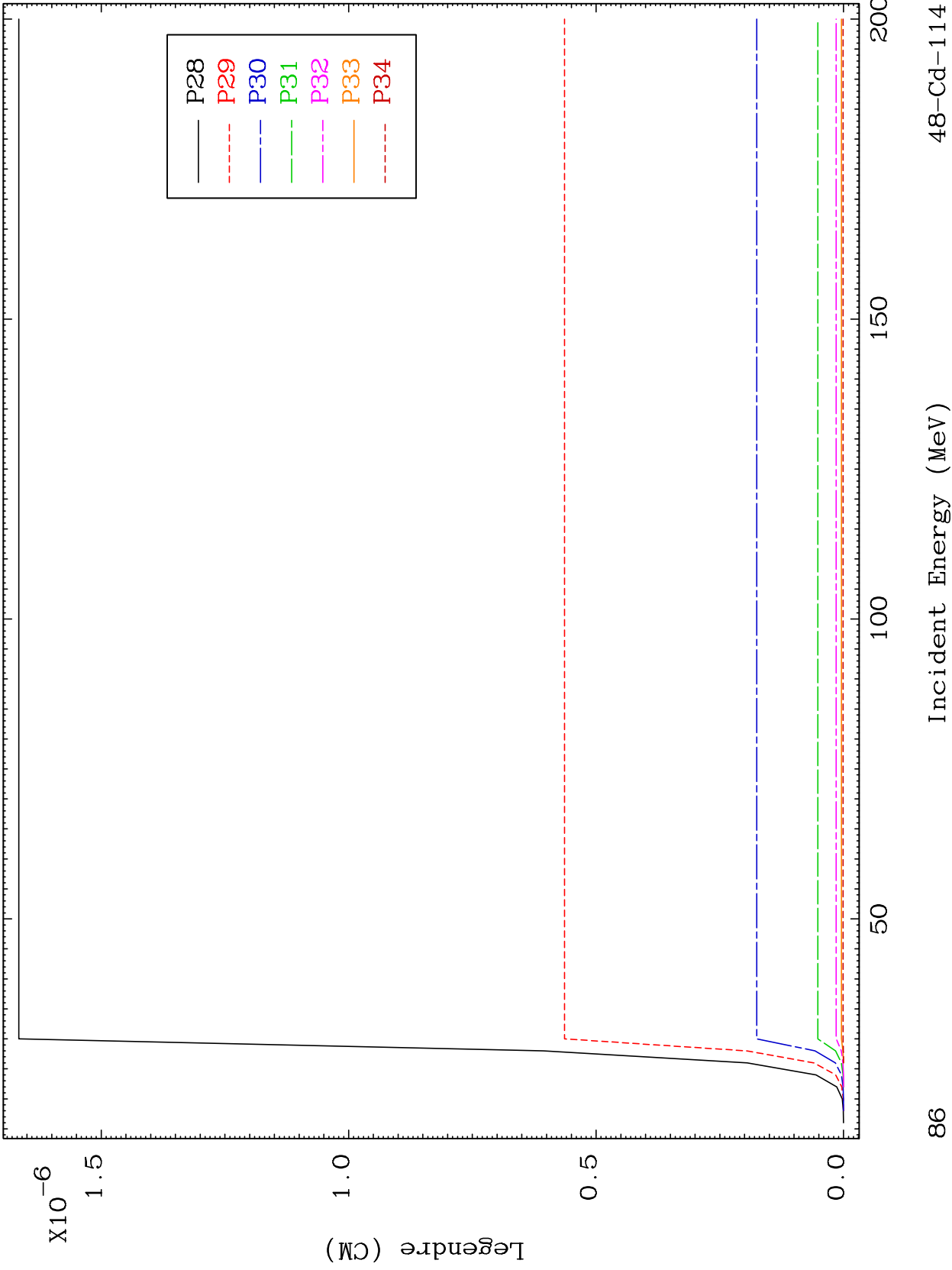
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114

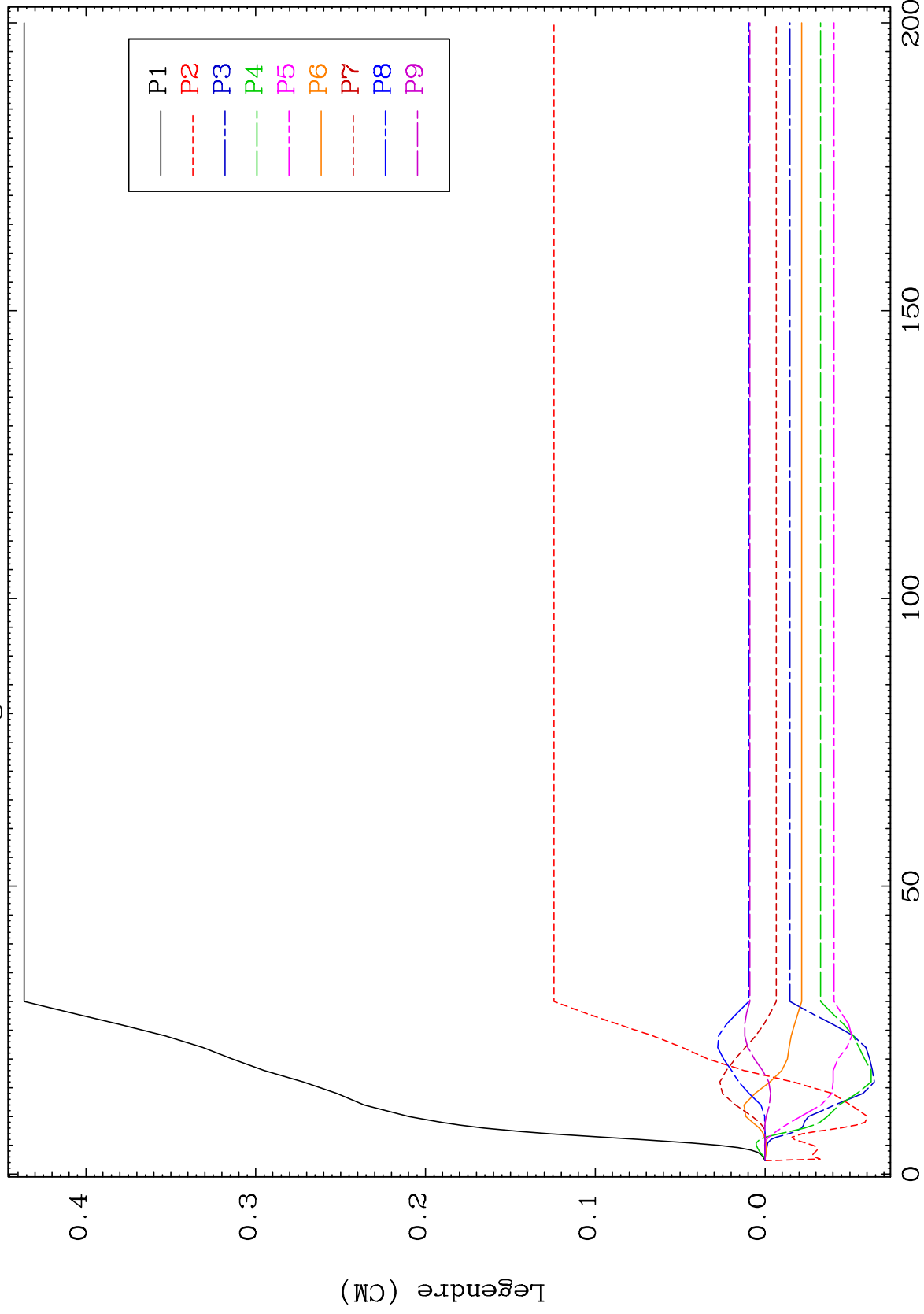


86

MAT 4849

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

48-Cd-114



87

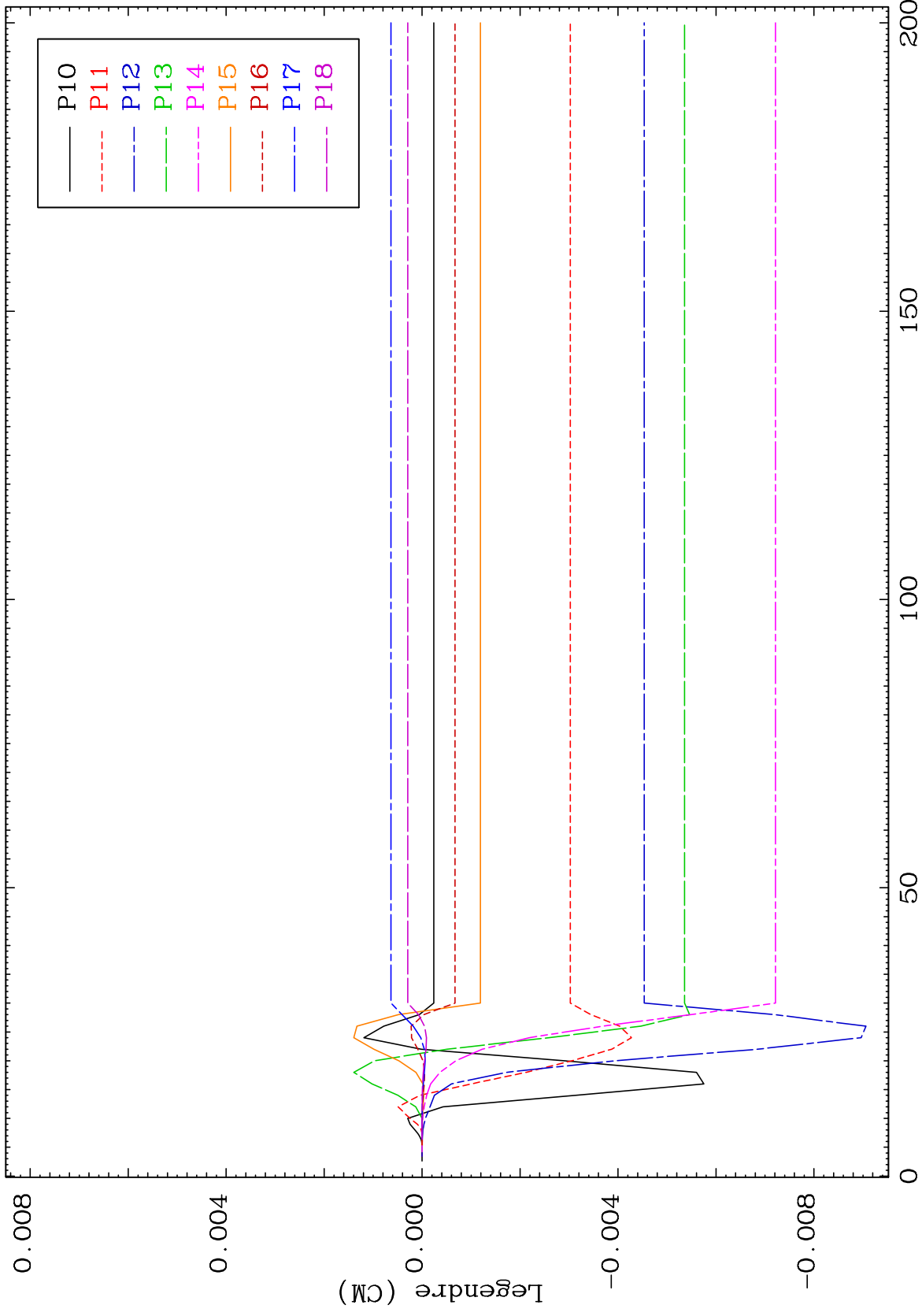
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



88

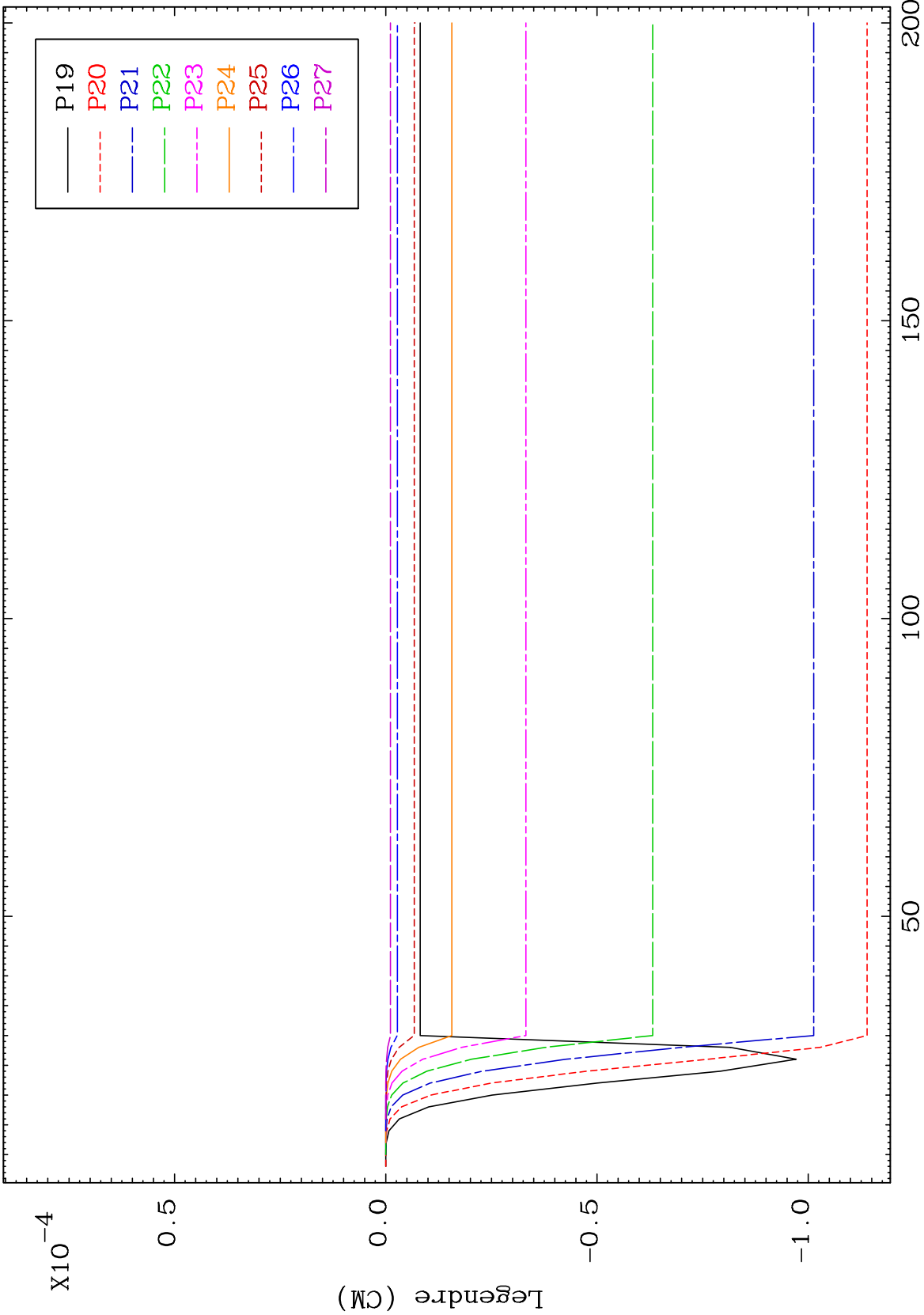
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

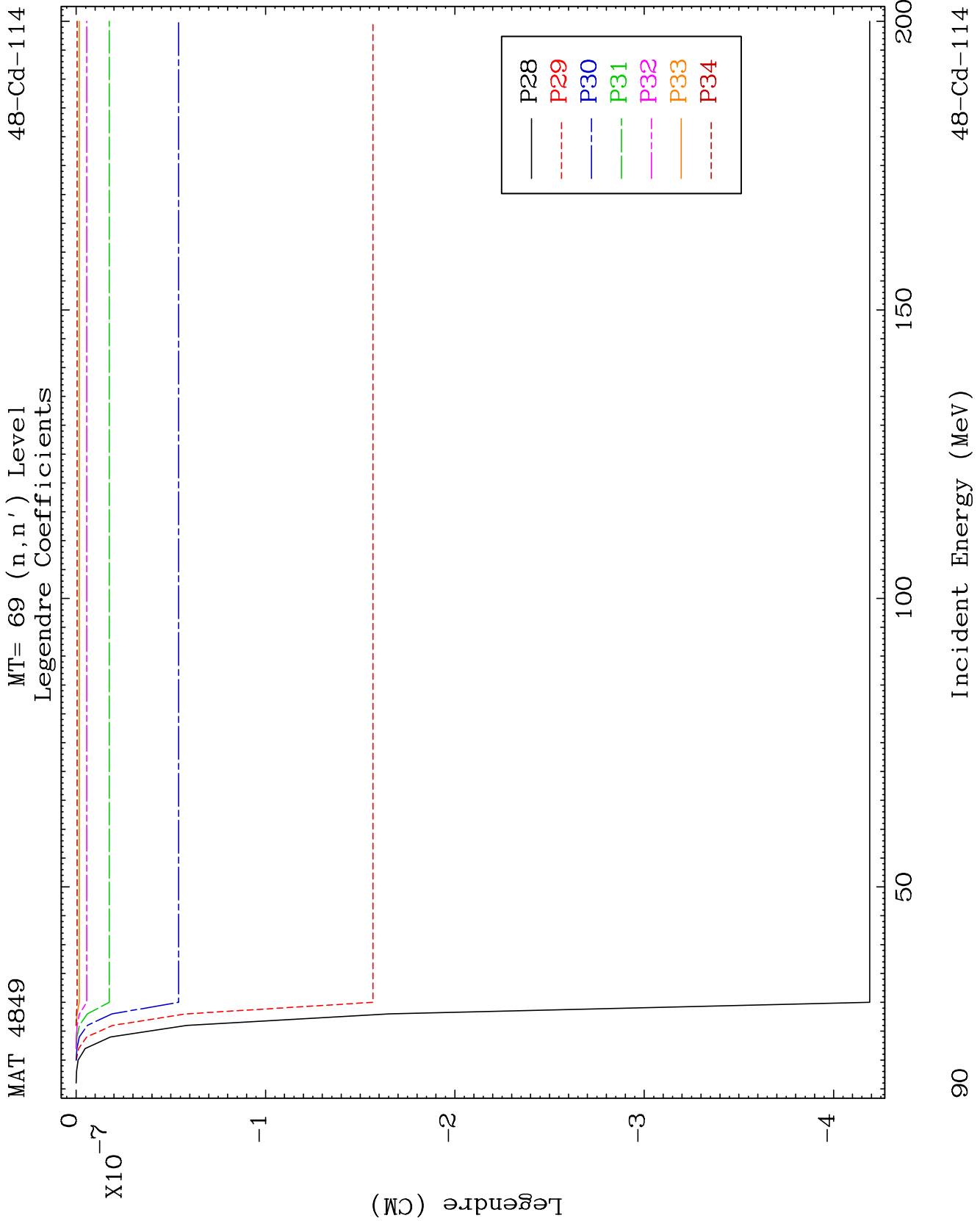
48-Cd-114



89

Incident Energy (MeV)

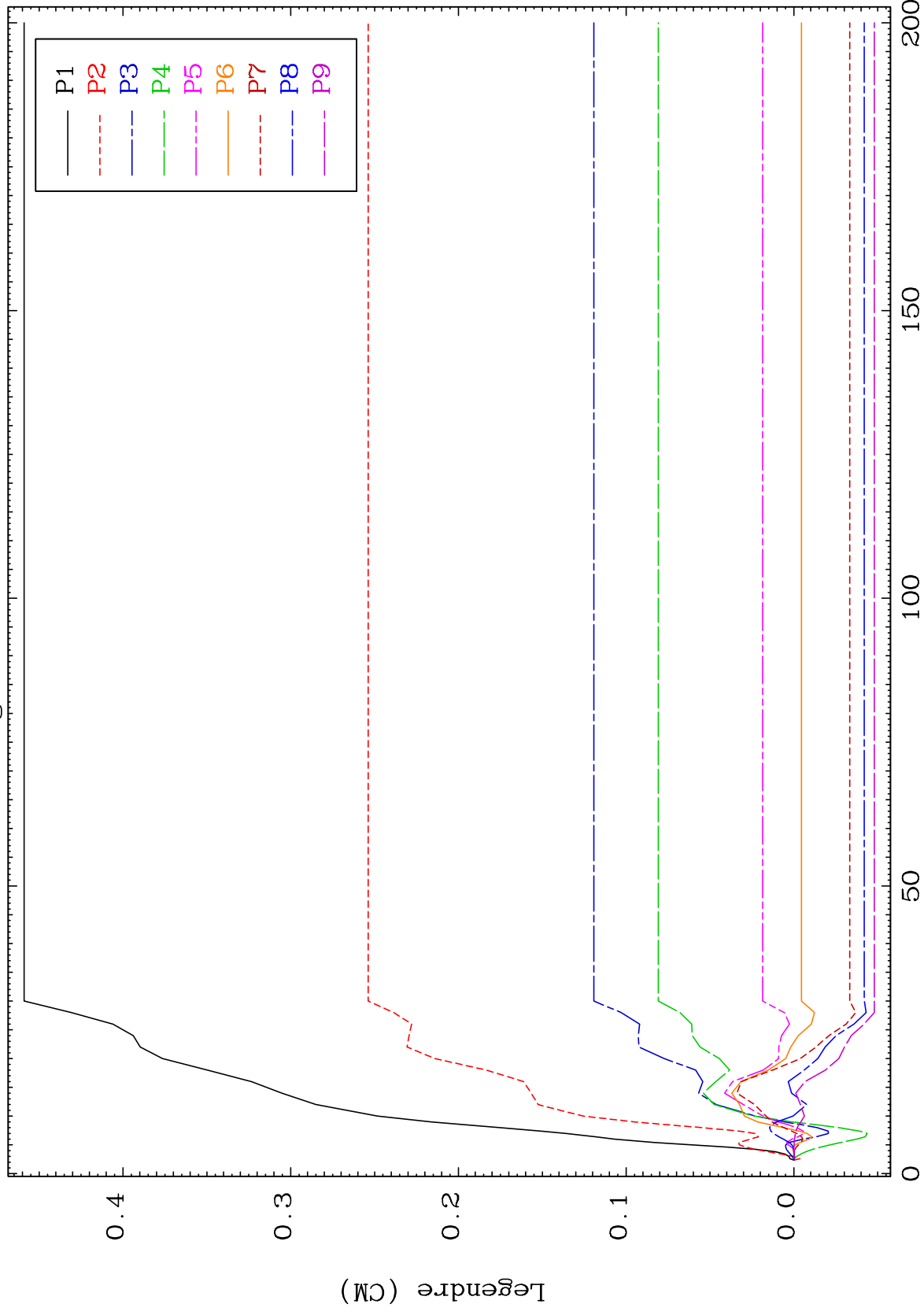
48-Cd-114



MAT 4849

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

48-Cd-114



91

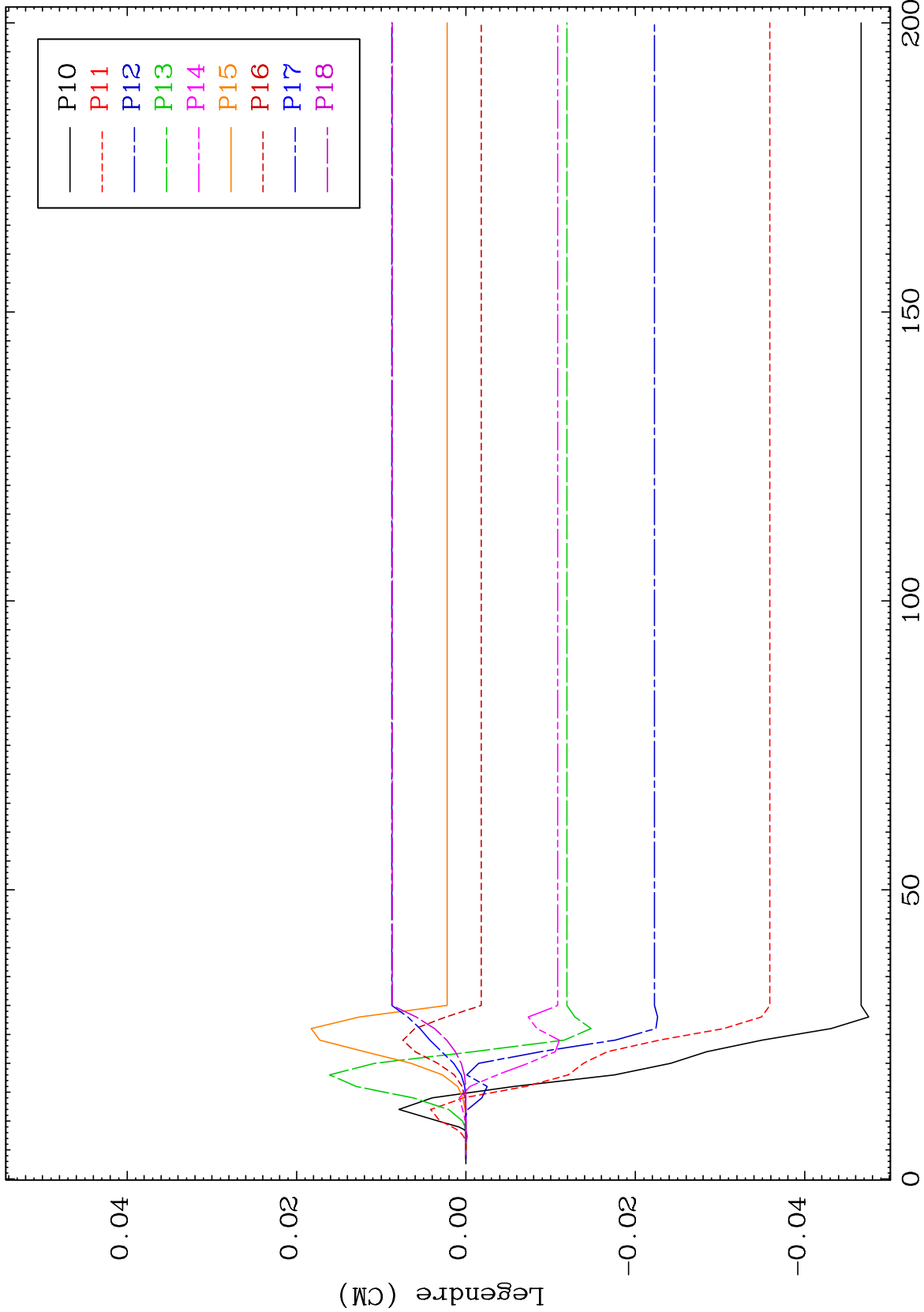
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



92

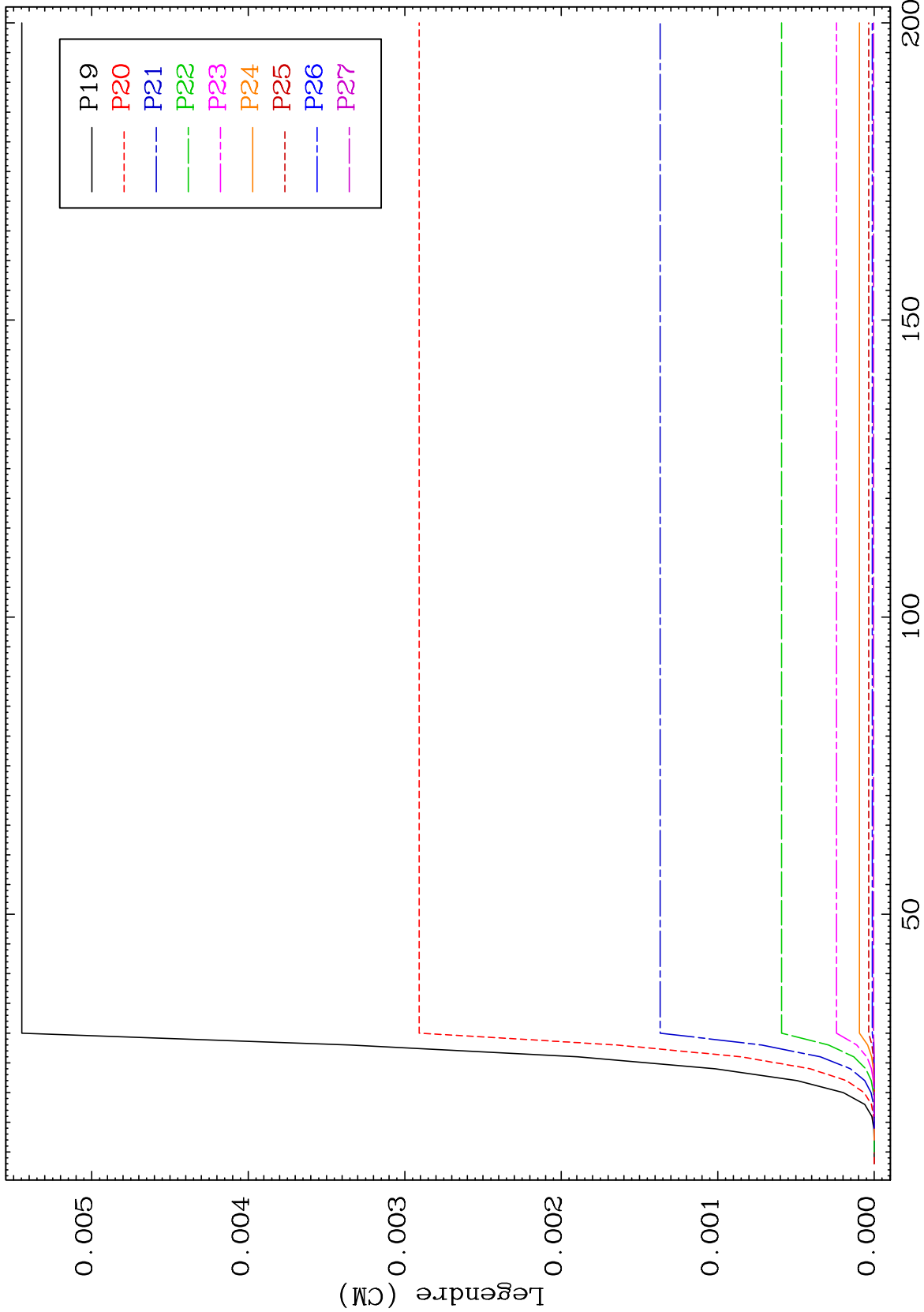
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



93

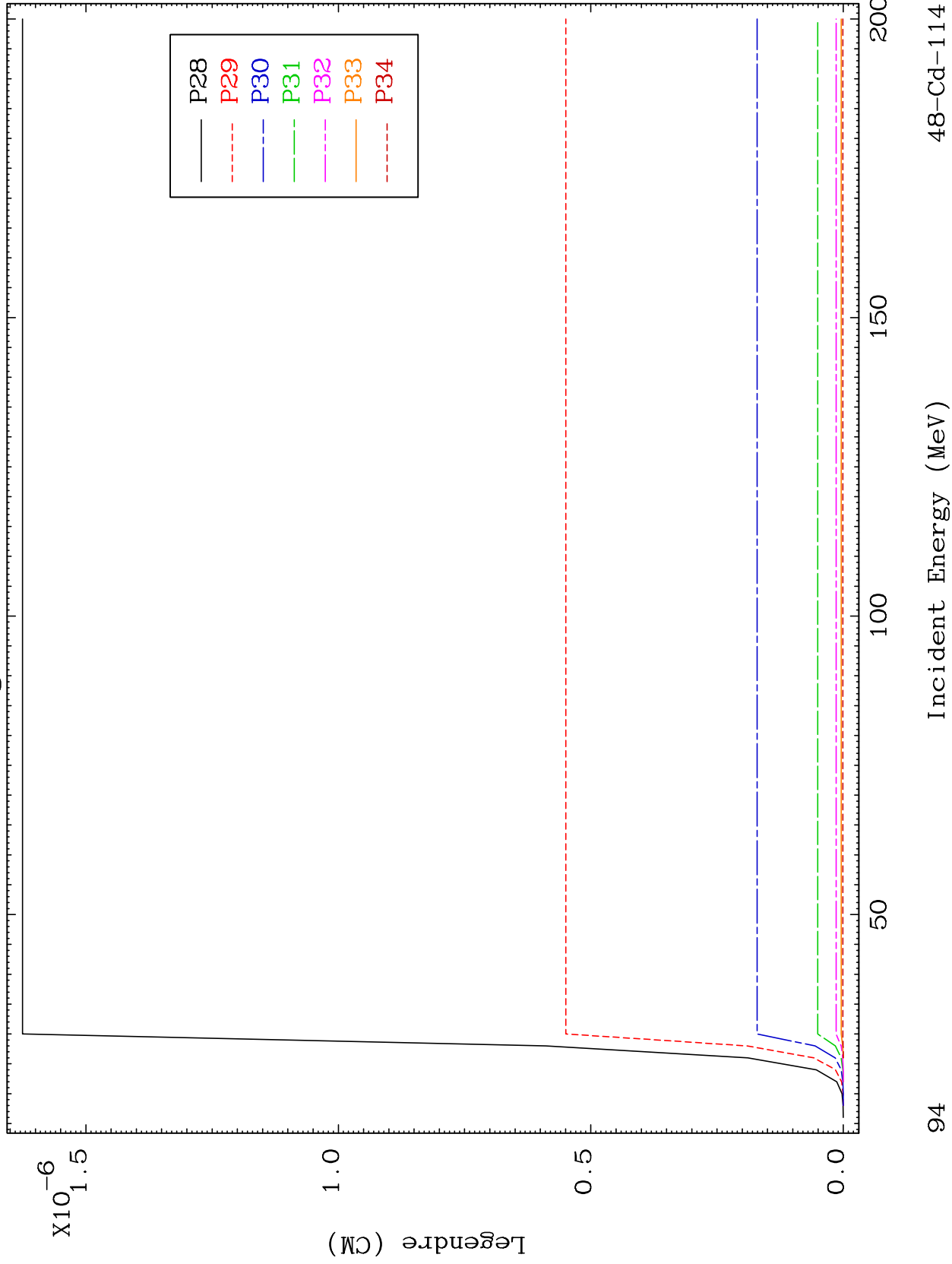
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



94

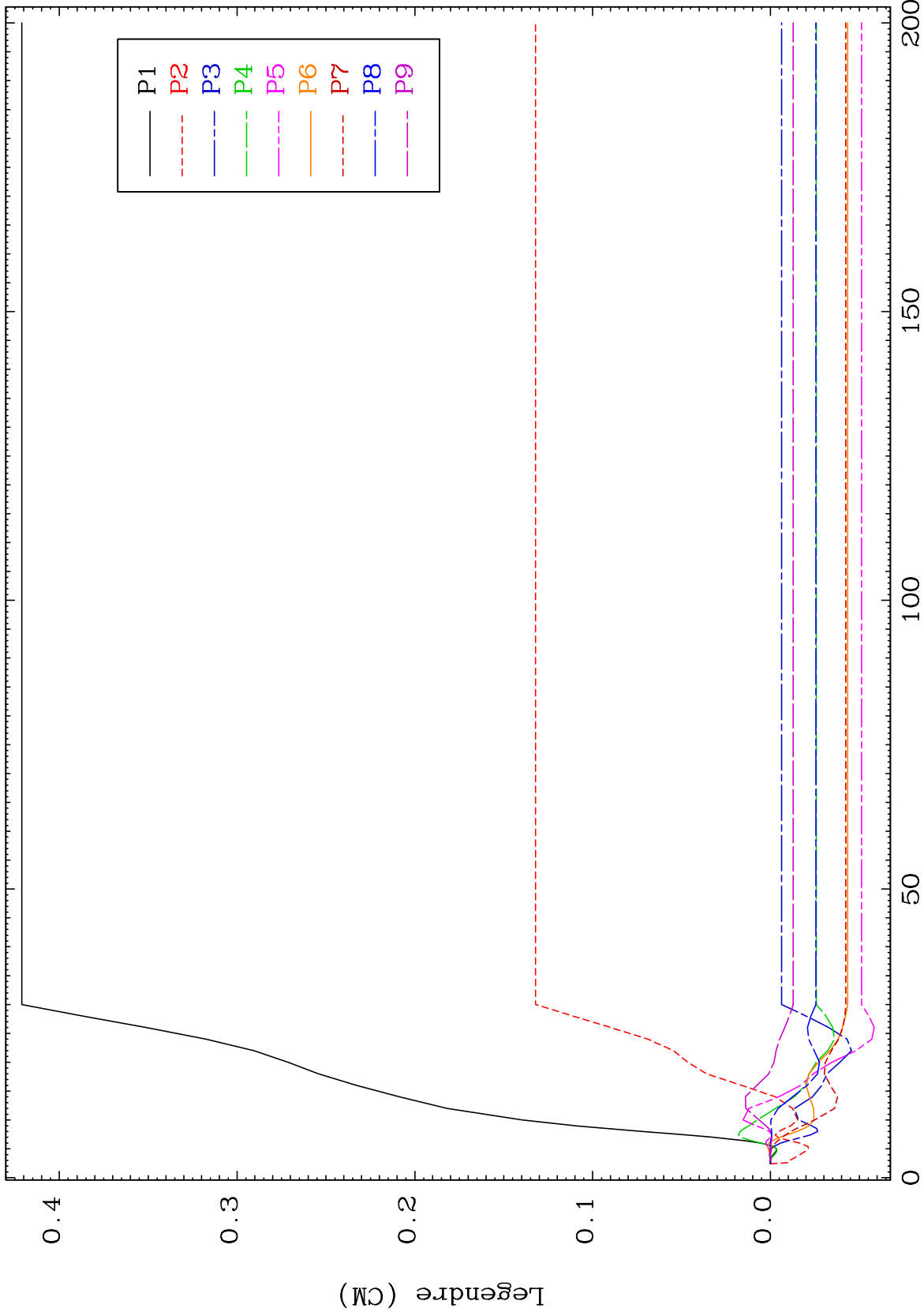
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



95

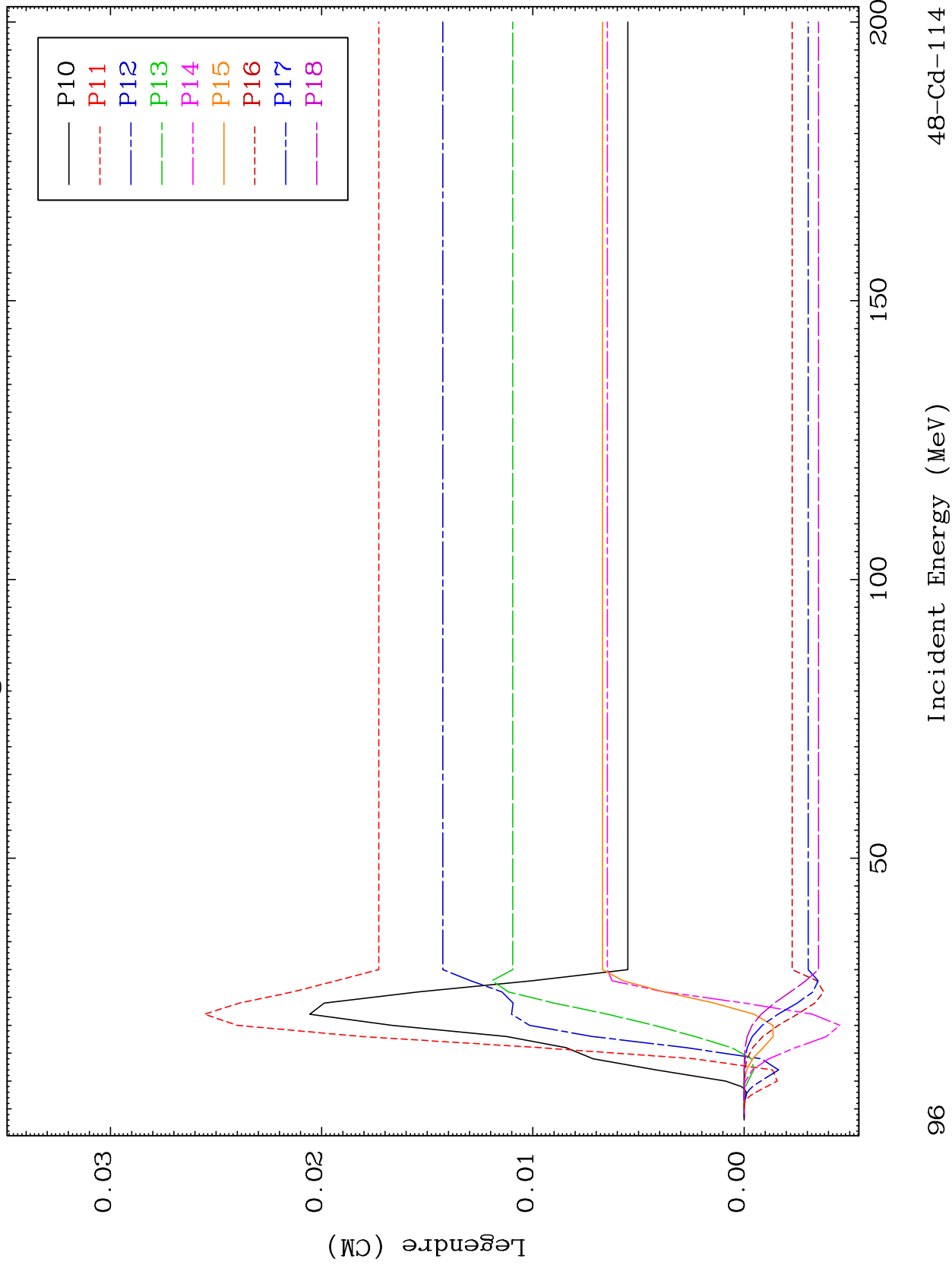
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



96

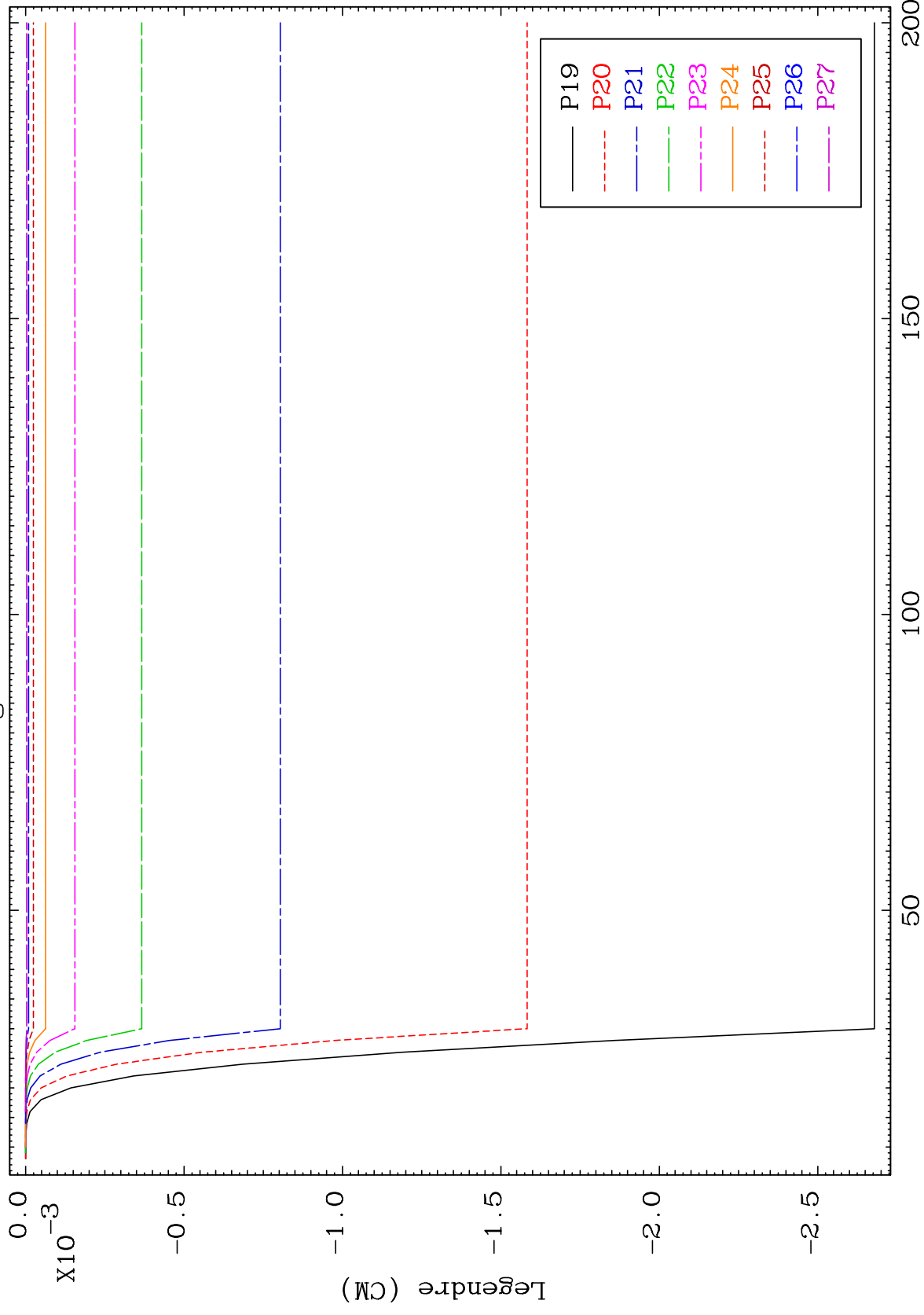
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

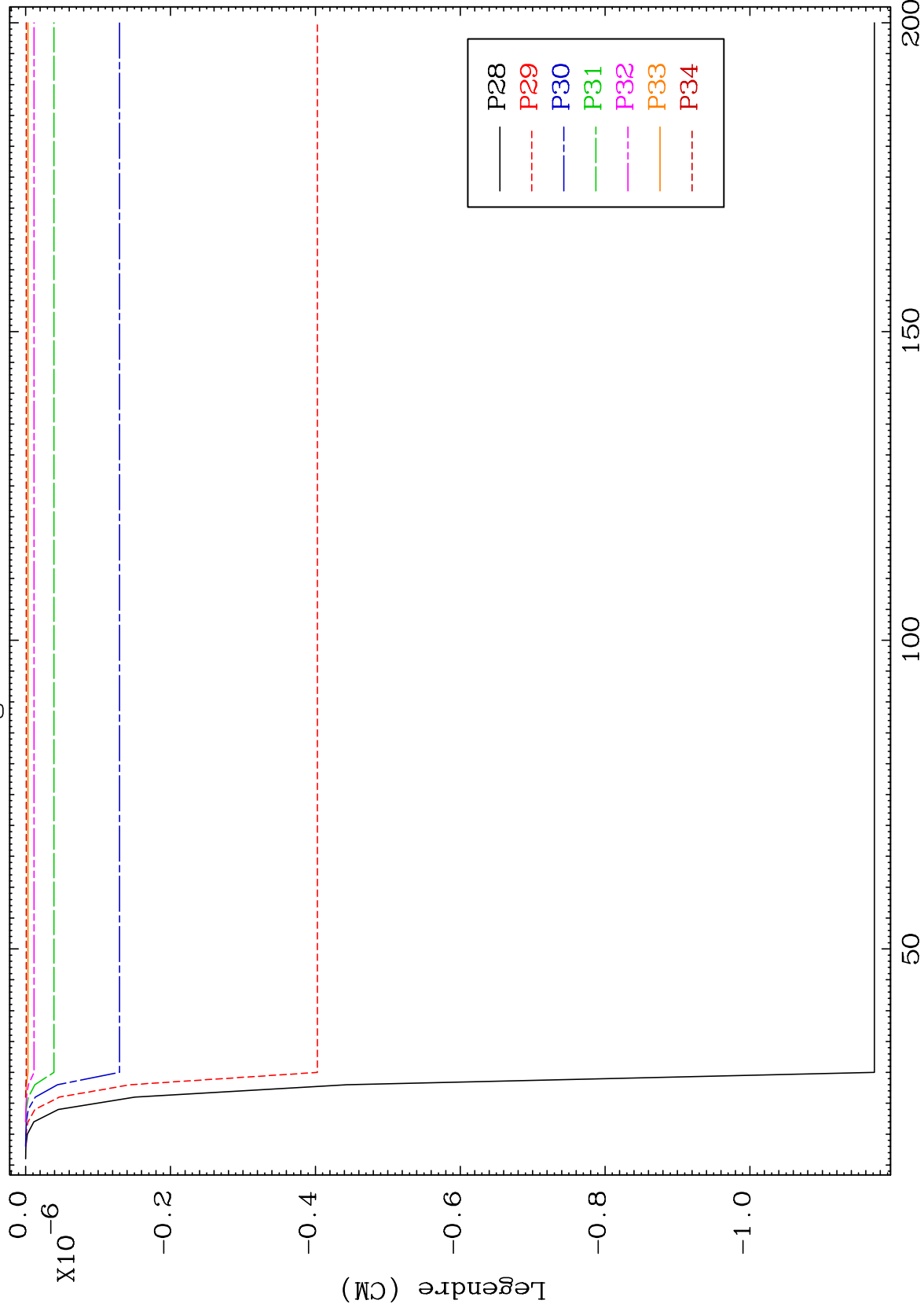
48-Cd-114



MAT 4849

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

48-Cd-114



98

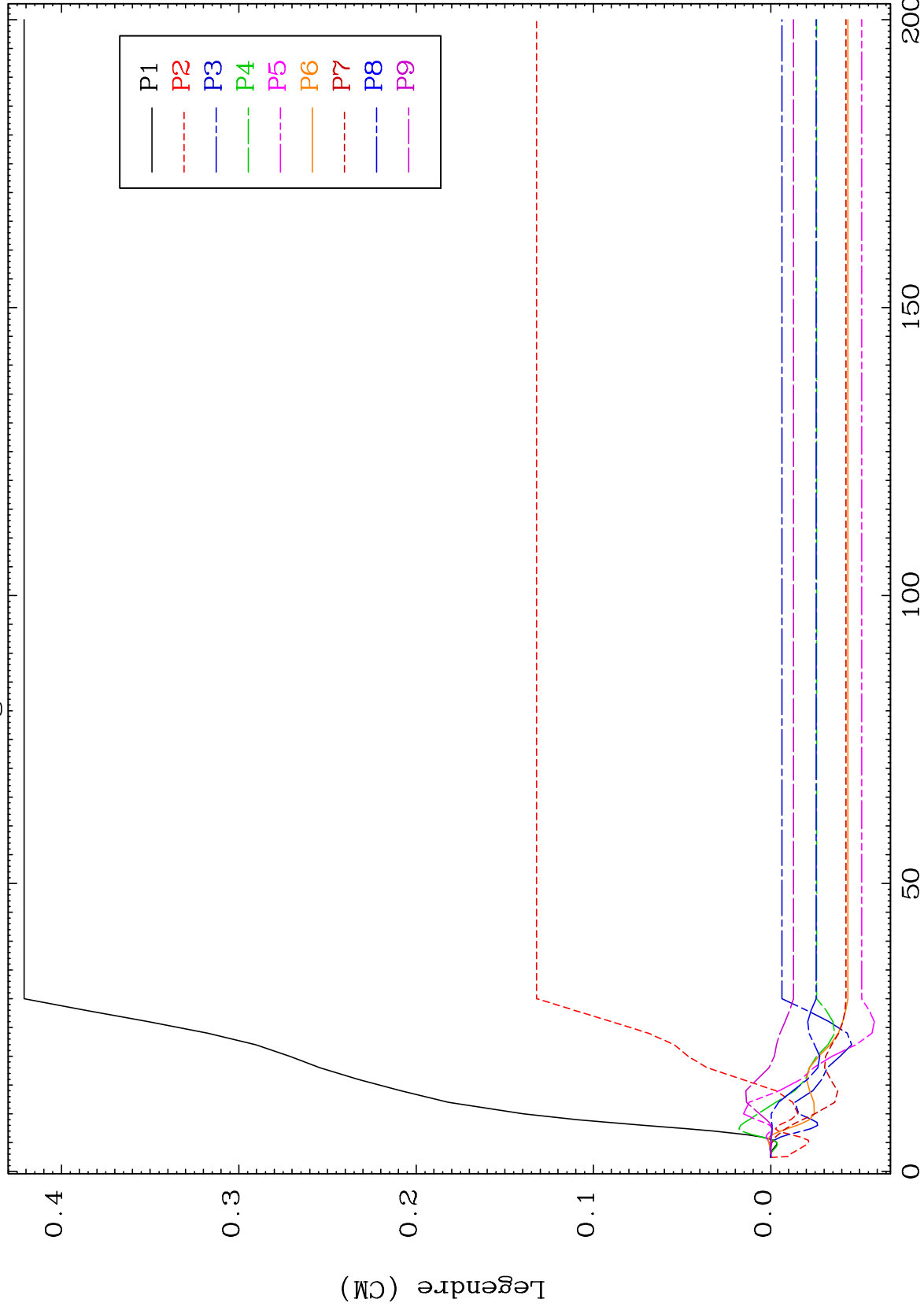
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



99

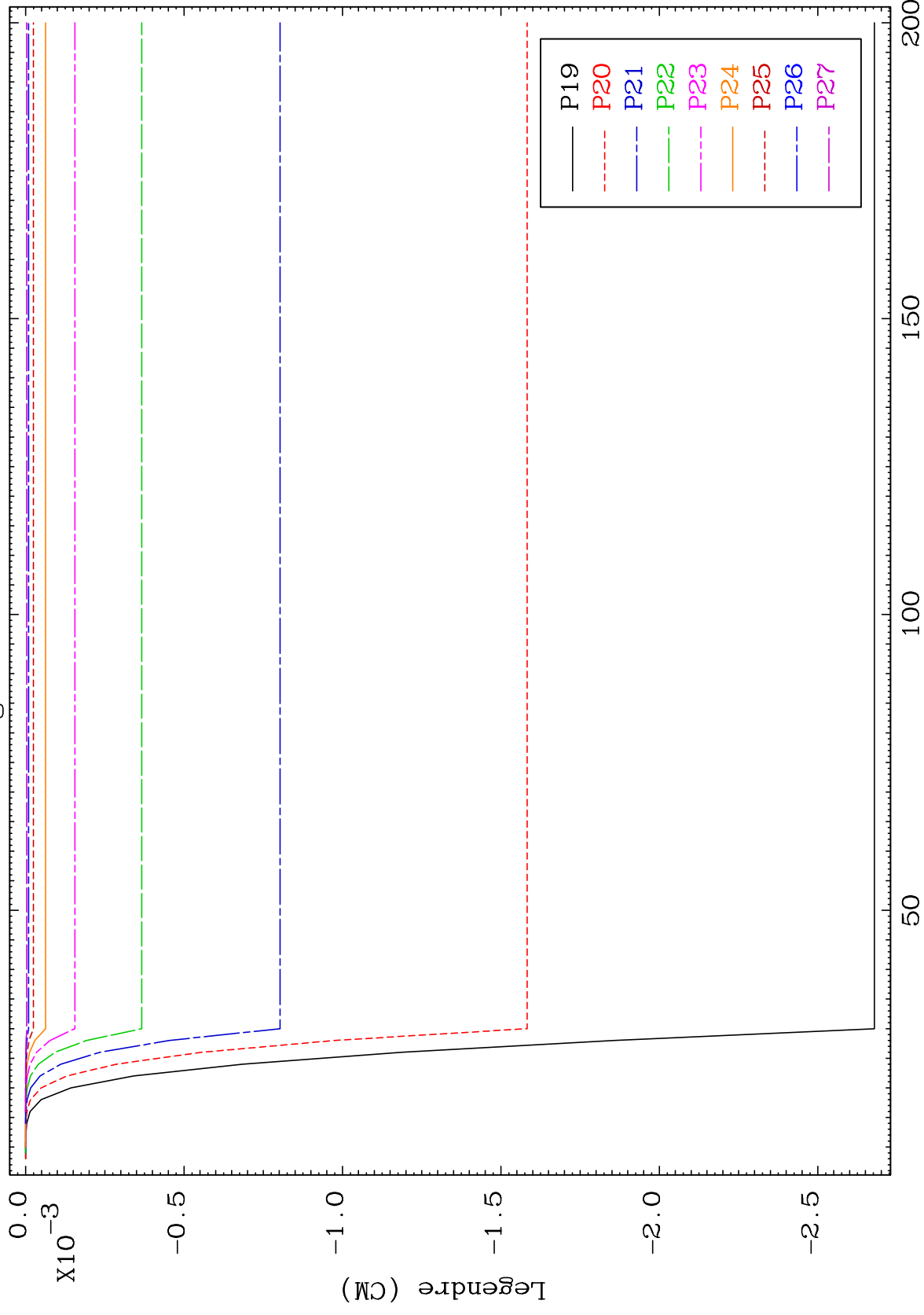
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

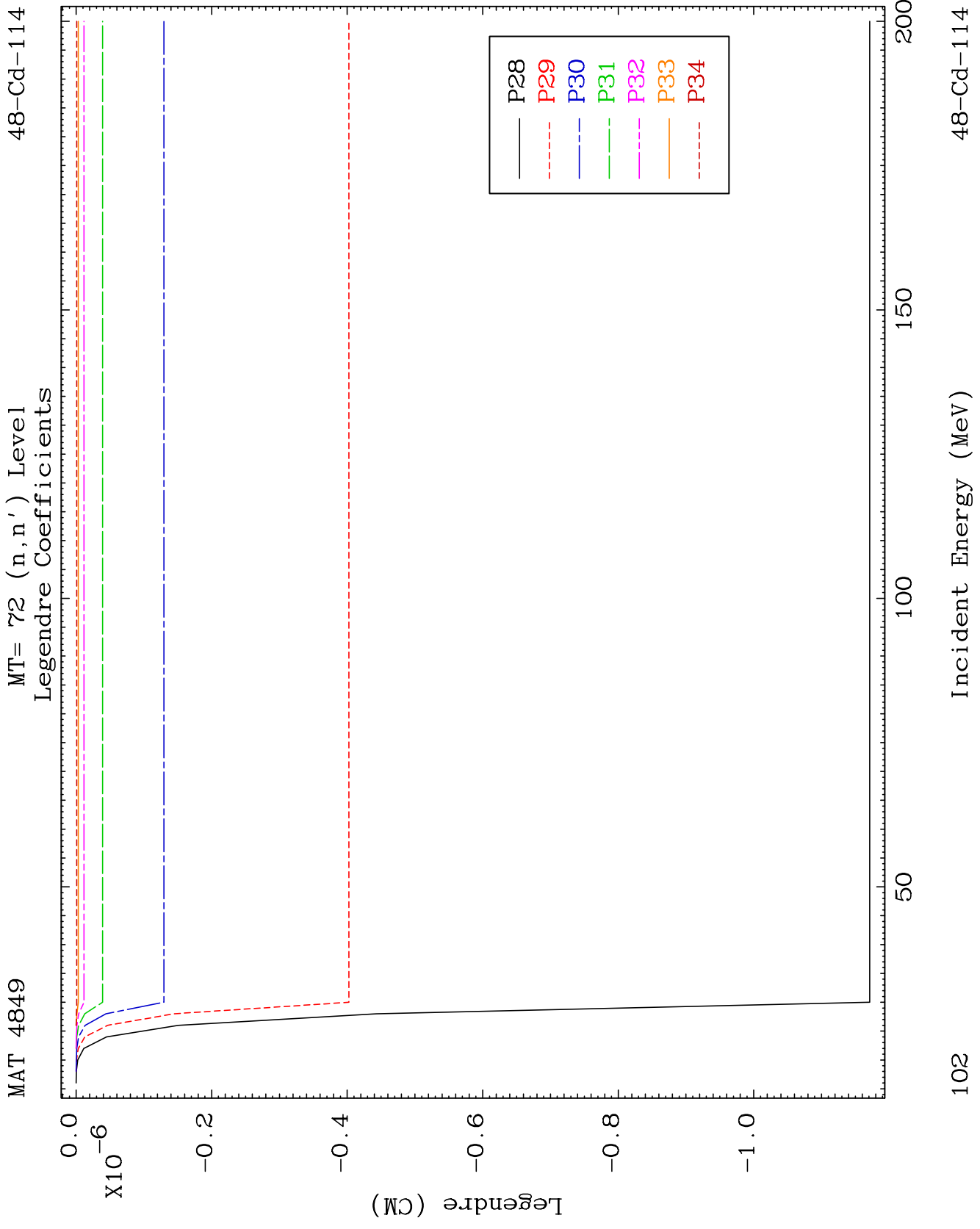
48-Cd-114



101

Incident Energy (MeV)

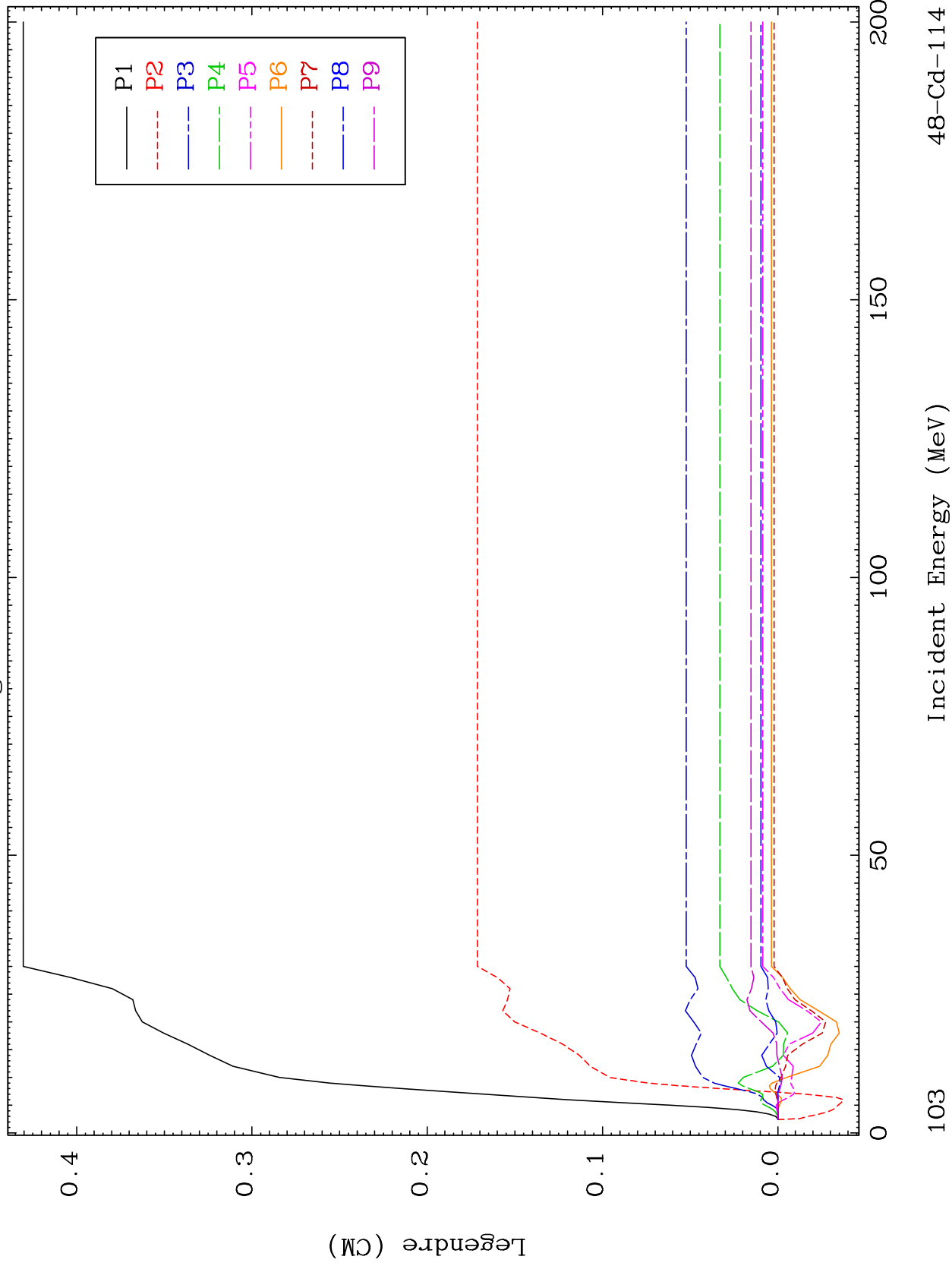
48-Cd-114



MAT 4849

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

48-Cd-114



48-Cd-114

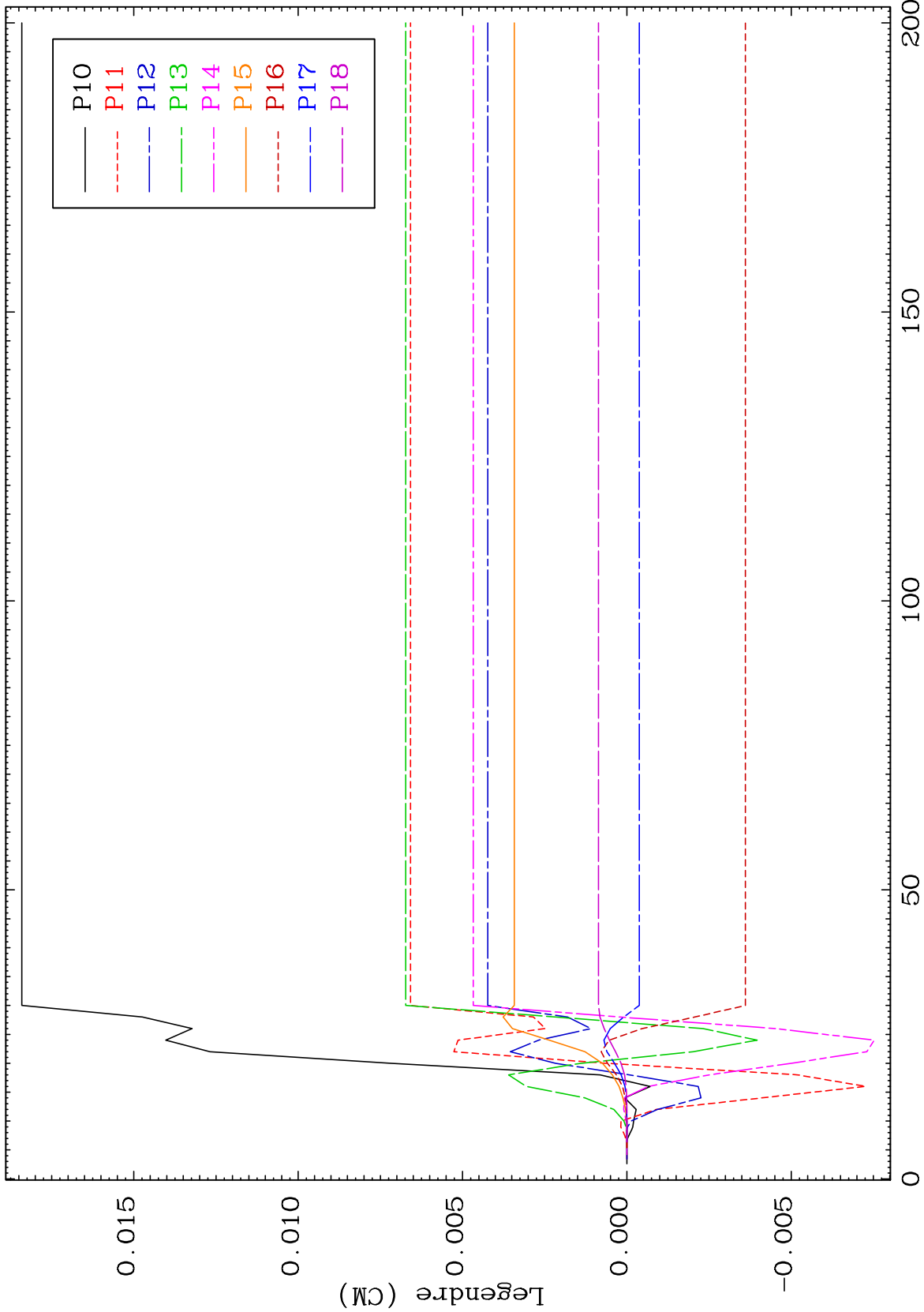
Incident Energy (MeV)

103

MAT 4849

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

48-Cd-114



104

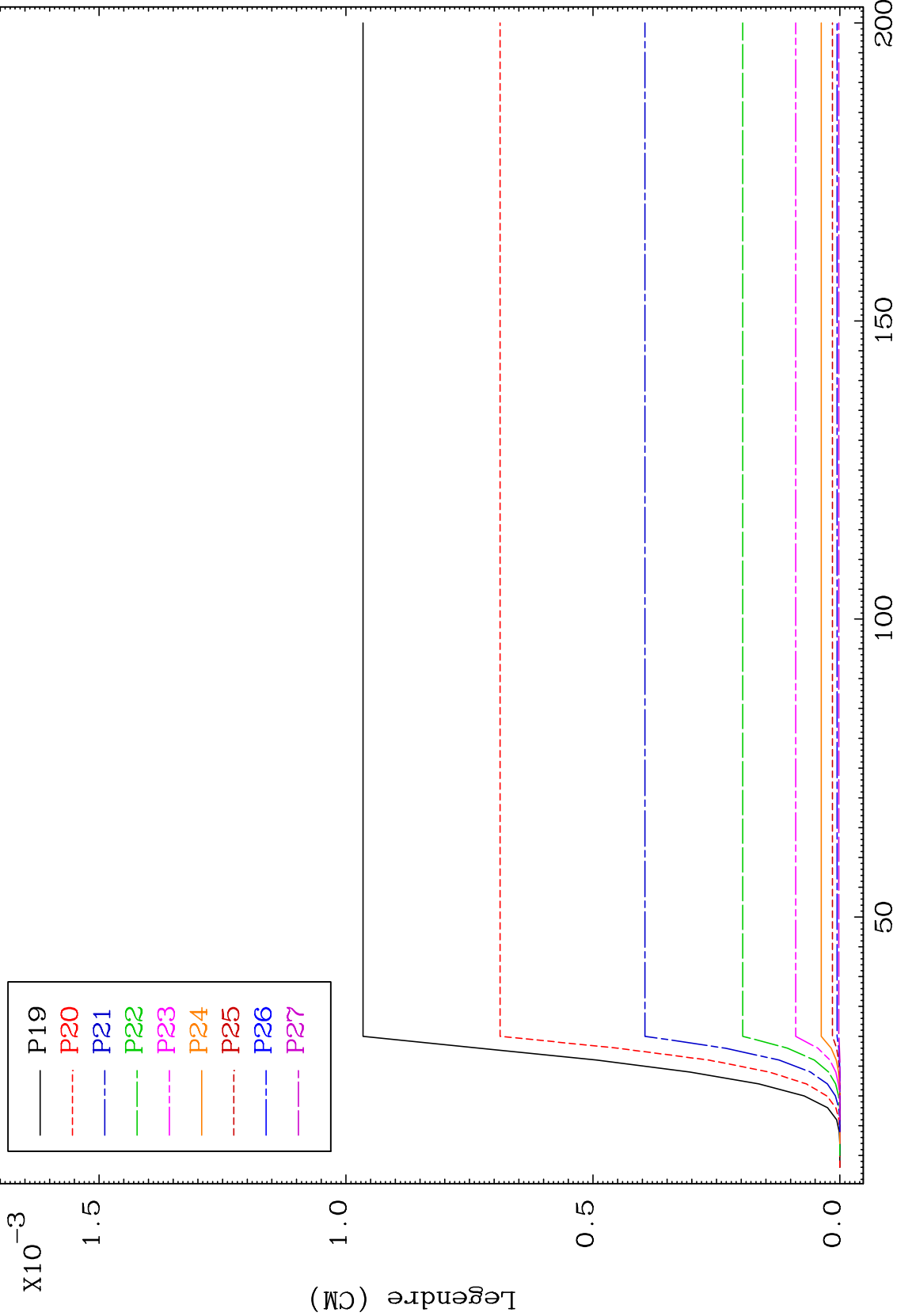
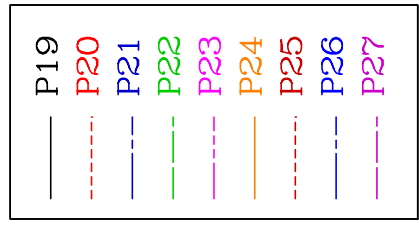
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



105

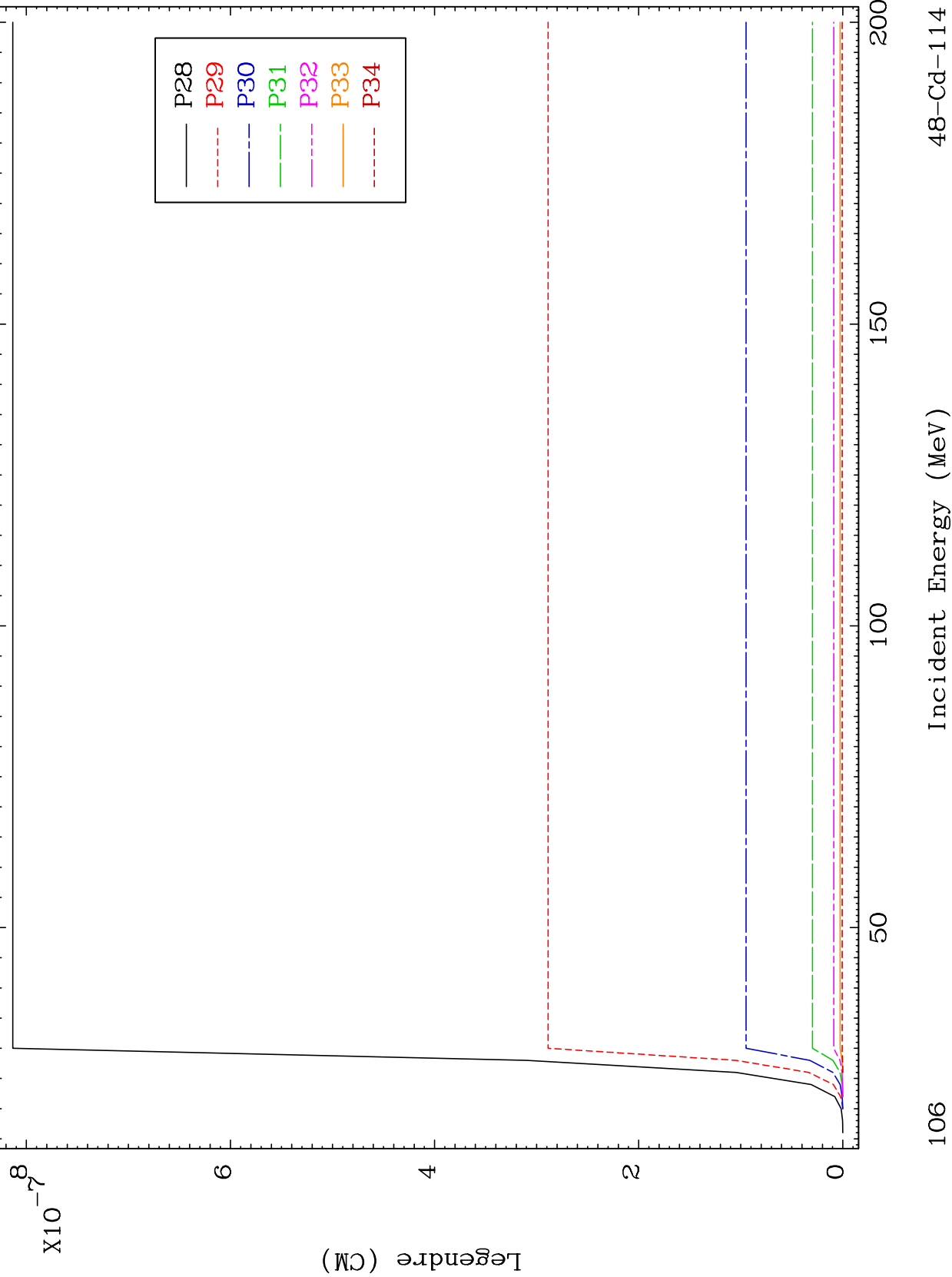
Incident Energy (MeV)

48-Cd-114

MAT 4849

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

48-Cd-114



106

Incident Energy (MeV)

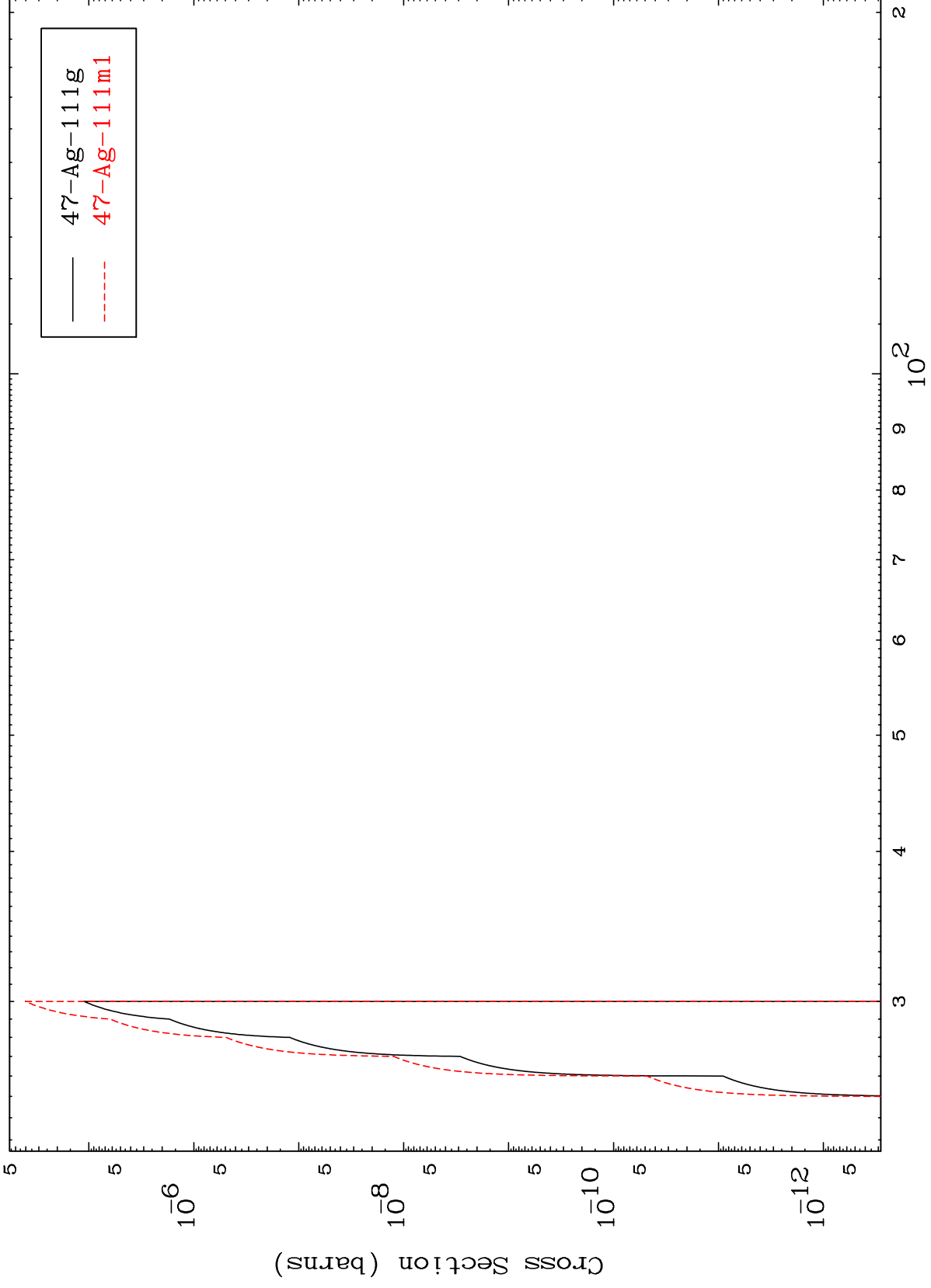
48-Cd-114

MAT 4849

(n,2n) d

48-Cd-114

Radionuclide Production Cross Section



107

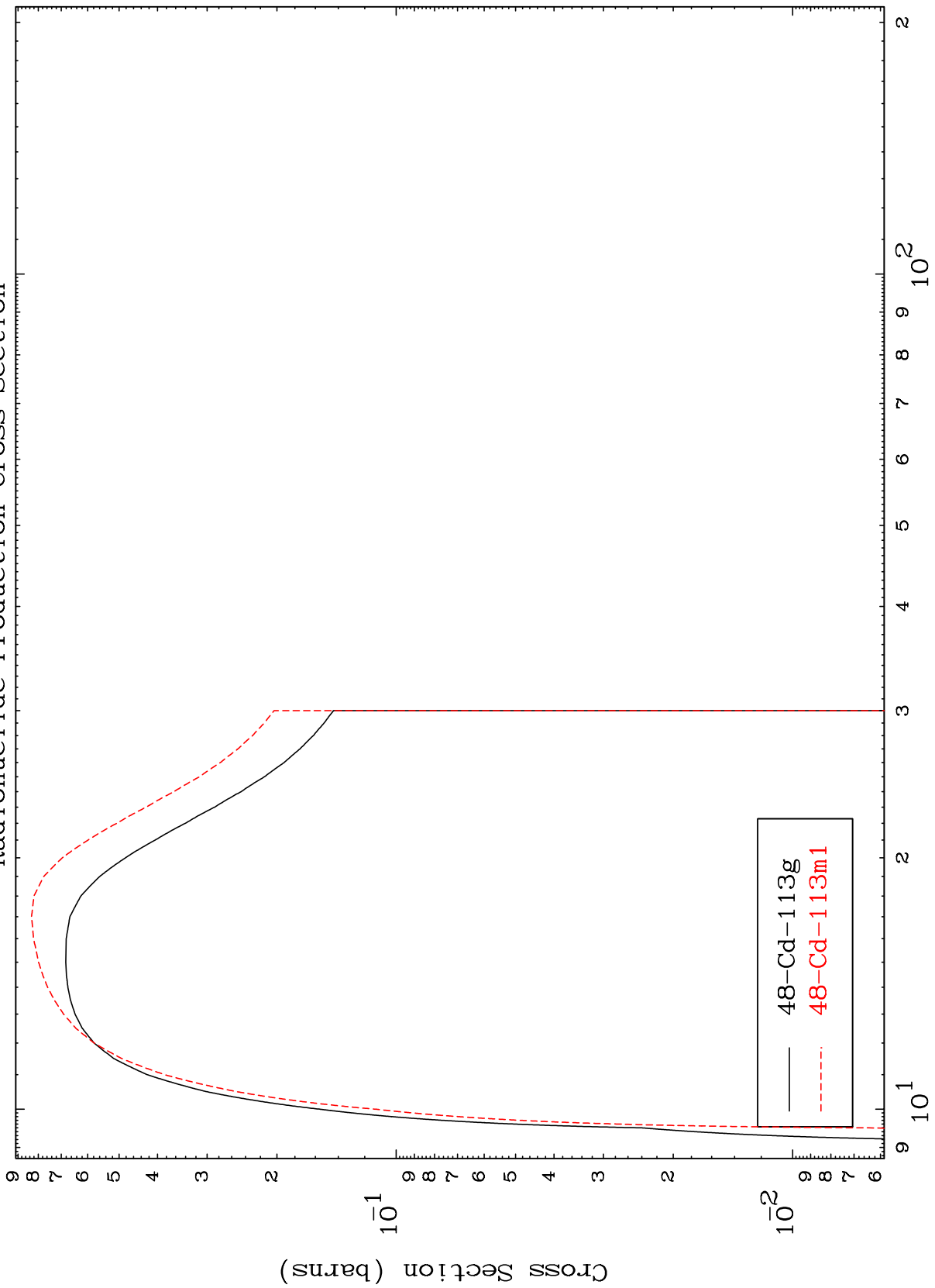
Incident Energy (MeV)

48-Cd-114

MAT 4849

48-Cd-114

(n,2n)
Radionuclide Production Cross Section



— 48-Cd-113g
- - - 48-Cd-113m1

48-Cd-114

Incident Energy (MeV)

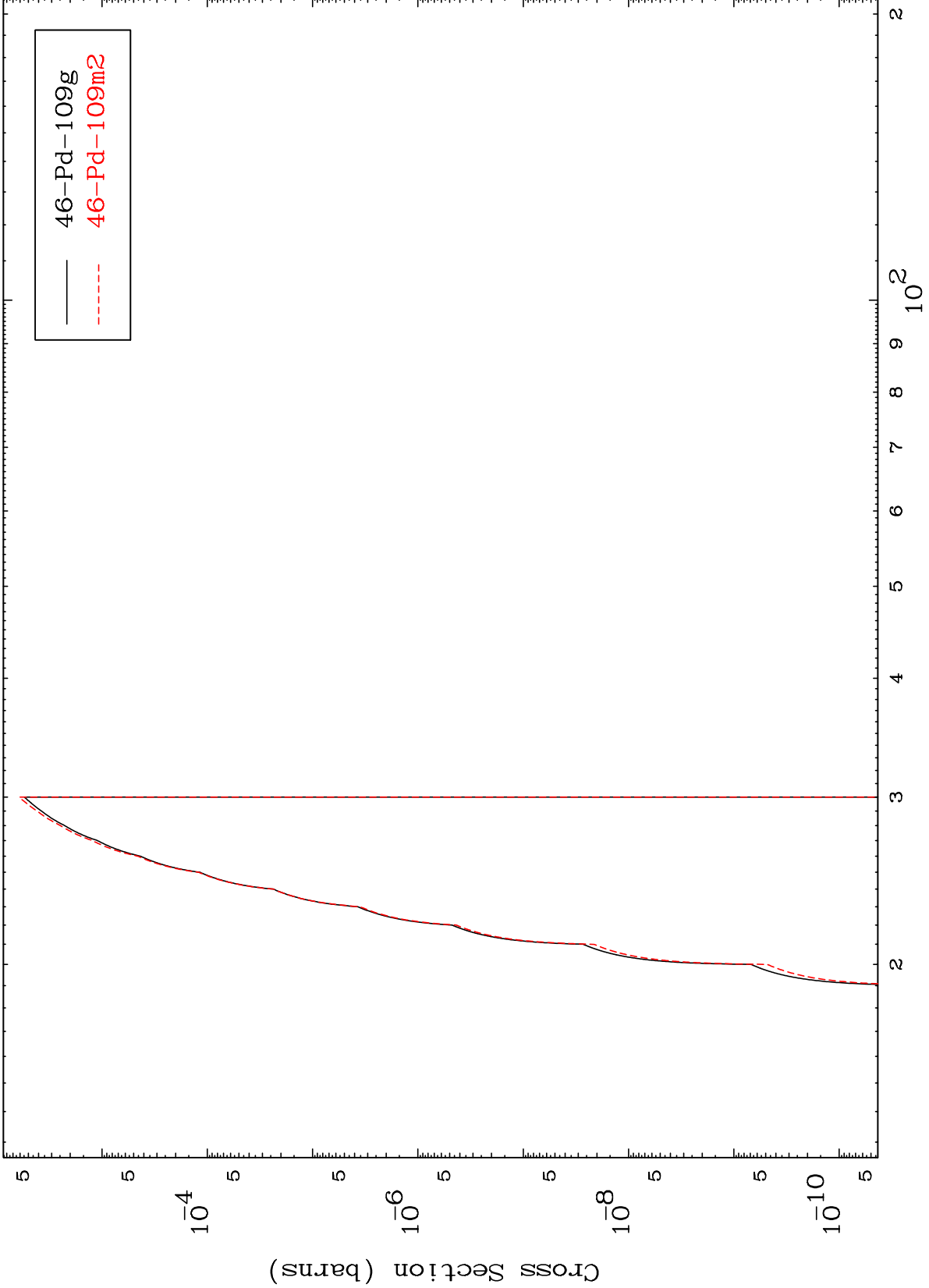
108

MAT 4849

(n,2n) α

48-Cd-114

Radionuclide Production Cross Section



109

Incident Energy (MeV)

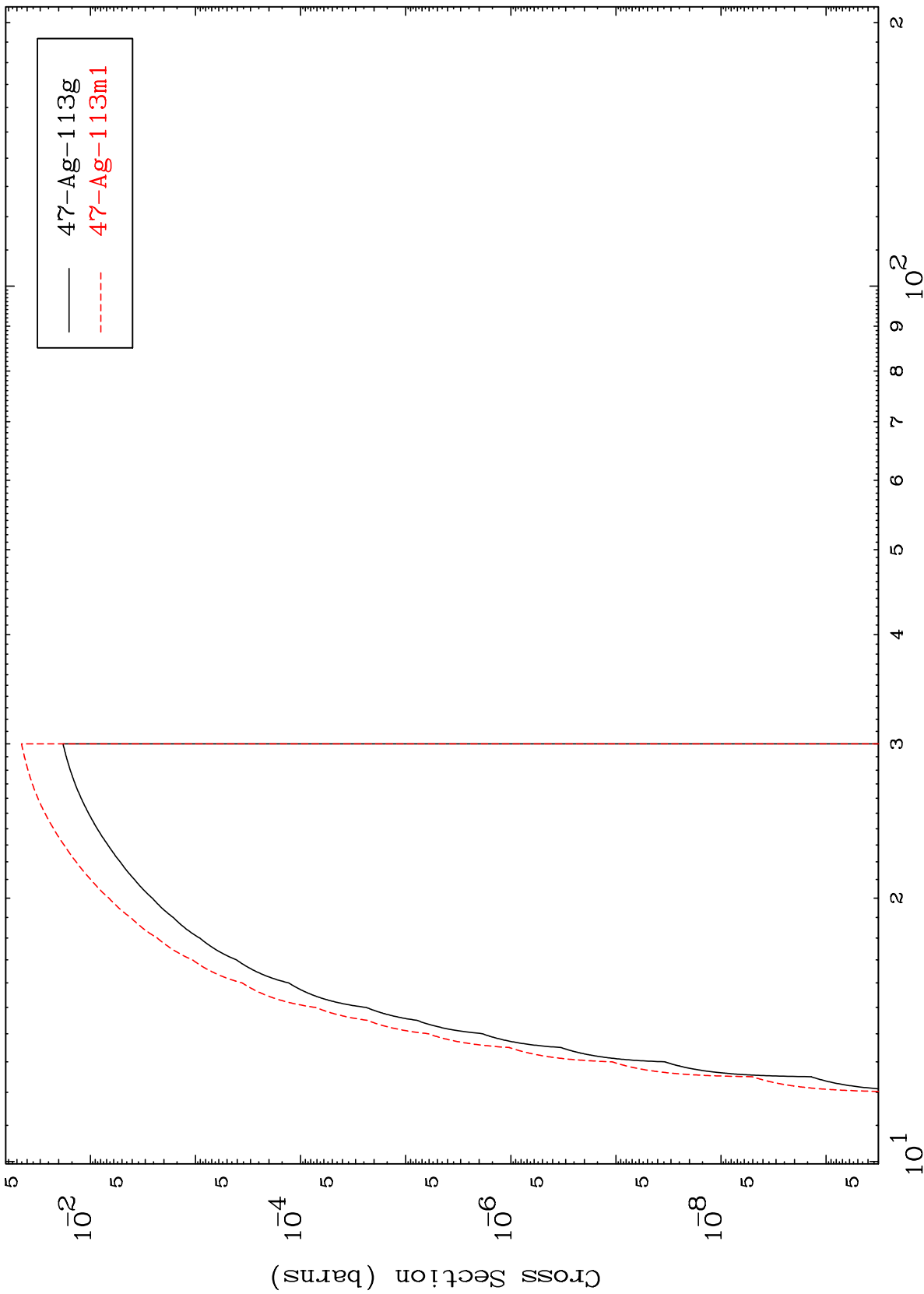
48-Cd-114

MAT 4849

(n,n') p

48-Cd-114

Radionuclide Production Cross Section



Incident Energy (MeV)

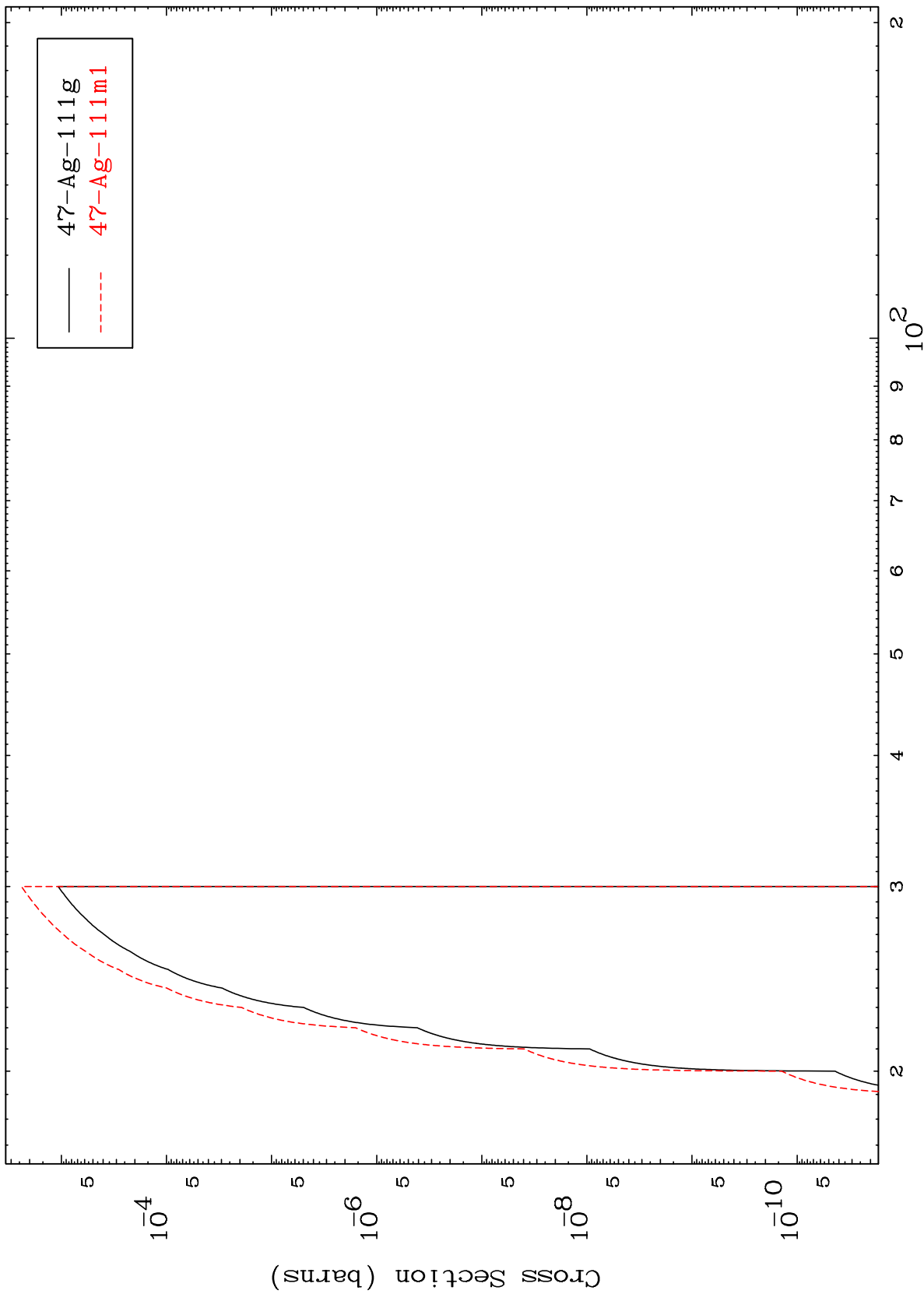
48-Cd-114

MAT 4849

(n,n') t

48-Cd-114

Radionuclide Production Cross Section



111

Incident Energy (MeV)

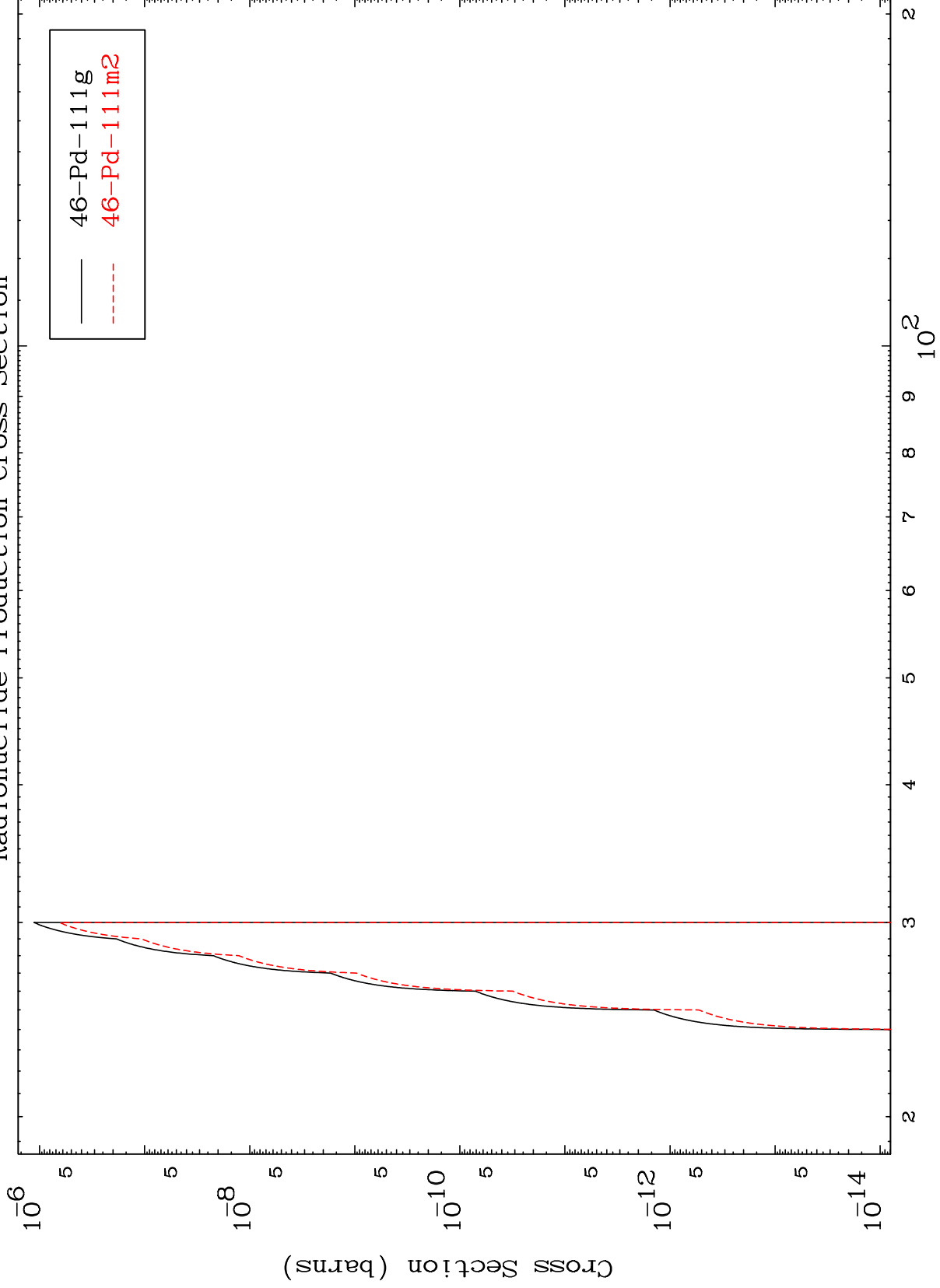
48-Cd-114

MAT 4849

(n,n') He-3

48-Cd-114

Radionuclide Production Cross Section



112

Incident Energy (MeV)

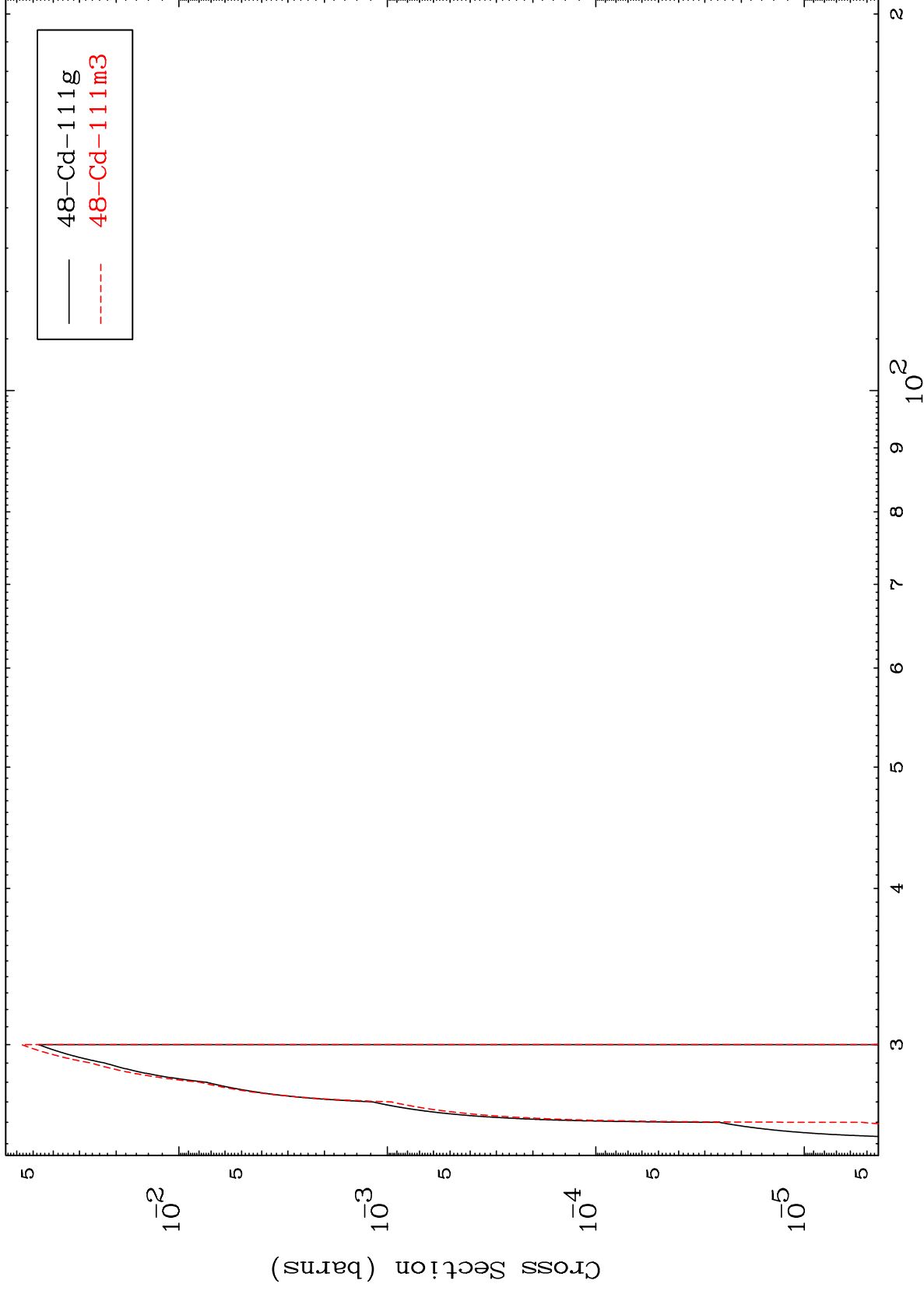
48-Cd-114

MAT 4849

(n,4n)

48-Cd-114

Radionuclide Production Cross Section



48-Cd-111g
48-Cd-111m3

113

Incident Energy (MeV)

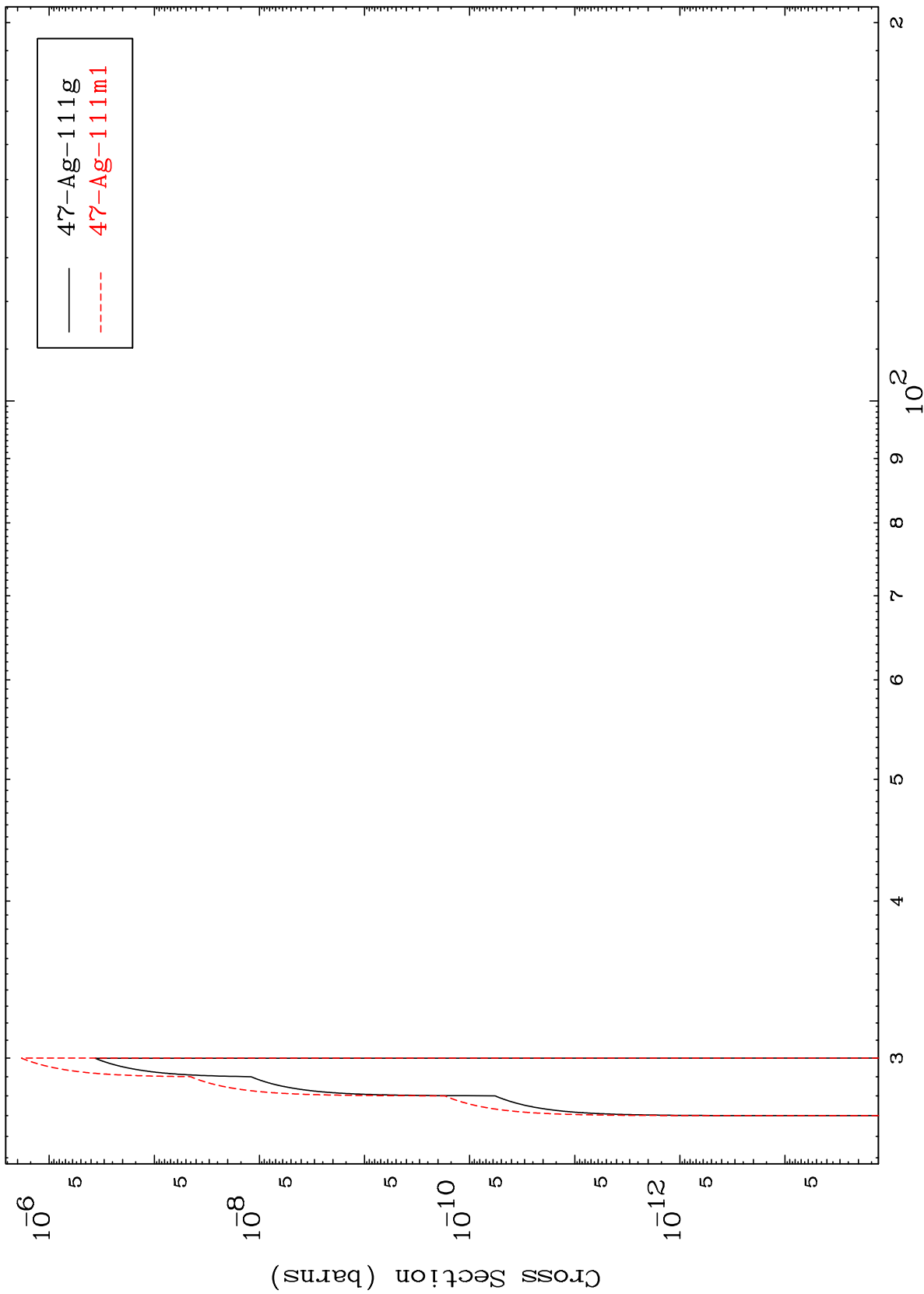
48-Cd-114

MAT 4849

(n,3n) p

48-Cd-114

Radionuclide Production Cross Section



114

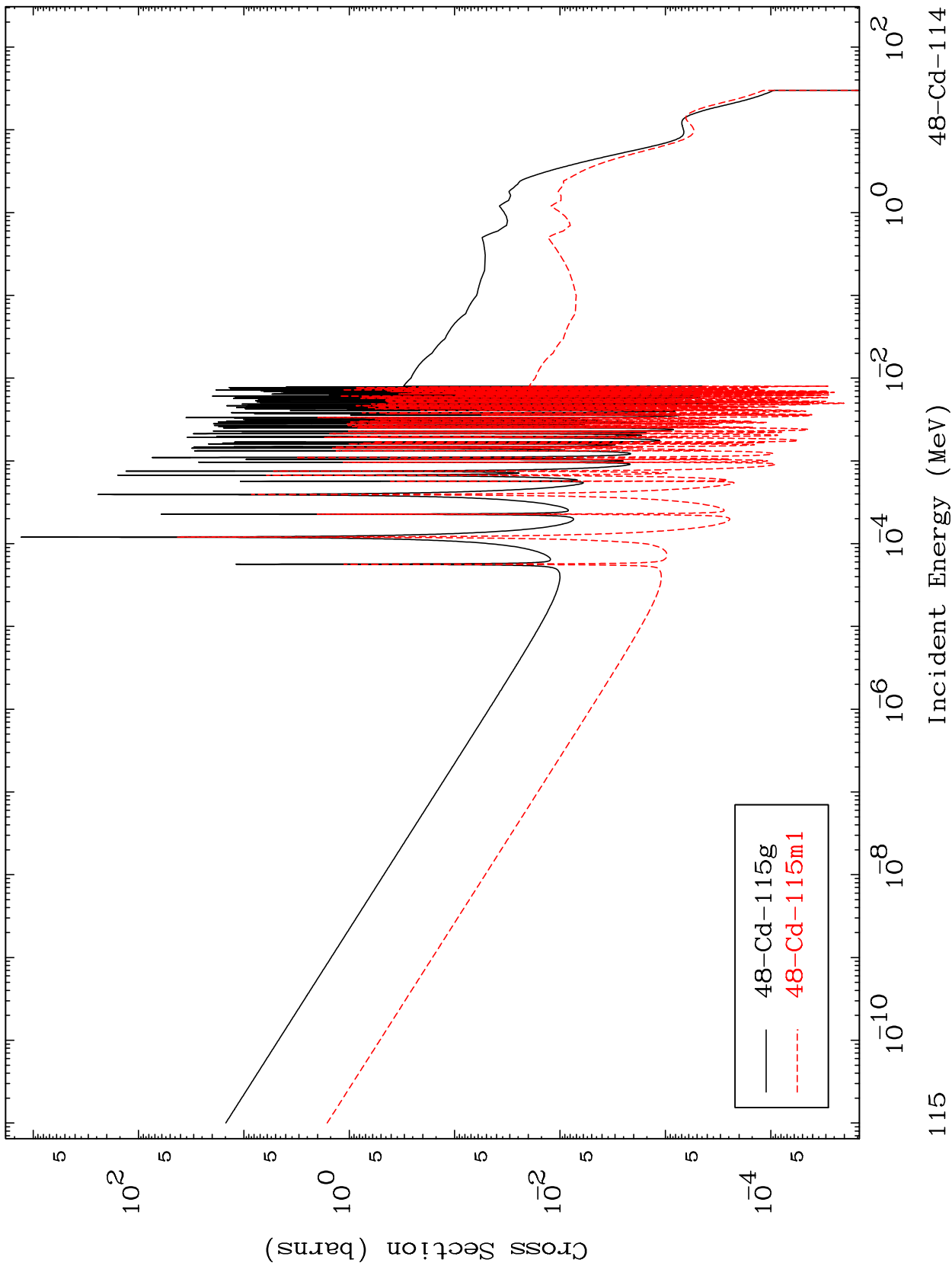
Incident Energy (MeV)

48-Cd-114

MAT 4849

48-Cd-114

(n, γ)
Radionuclide Production Cross Section



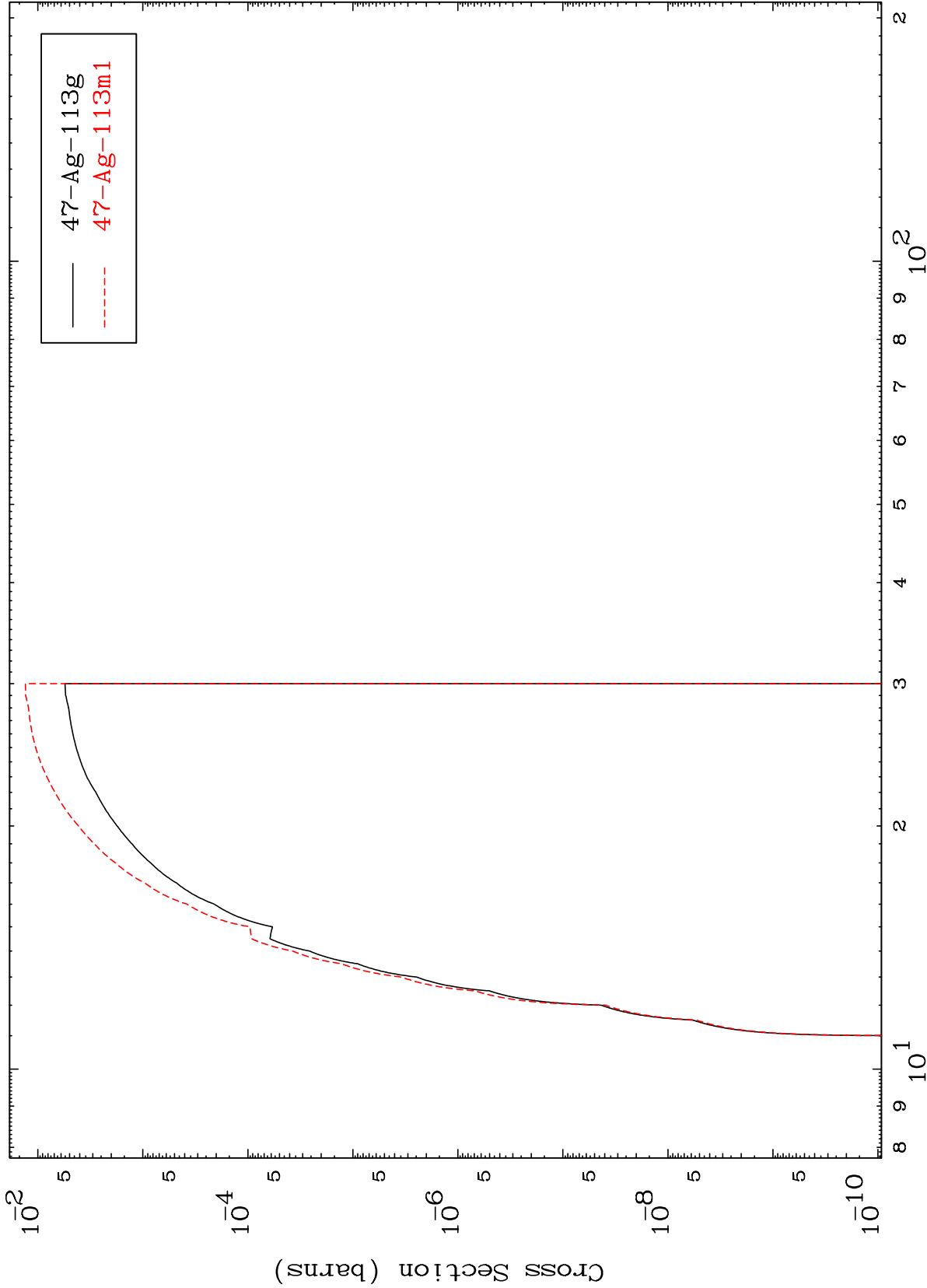
115

48-Cd-114

MAT 4849

48-Cd-114

(n,d)
Radionuclide Production Cross Section



116

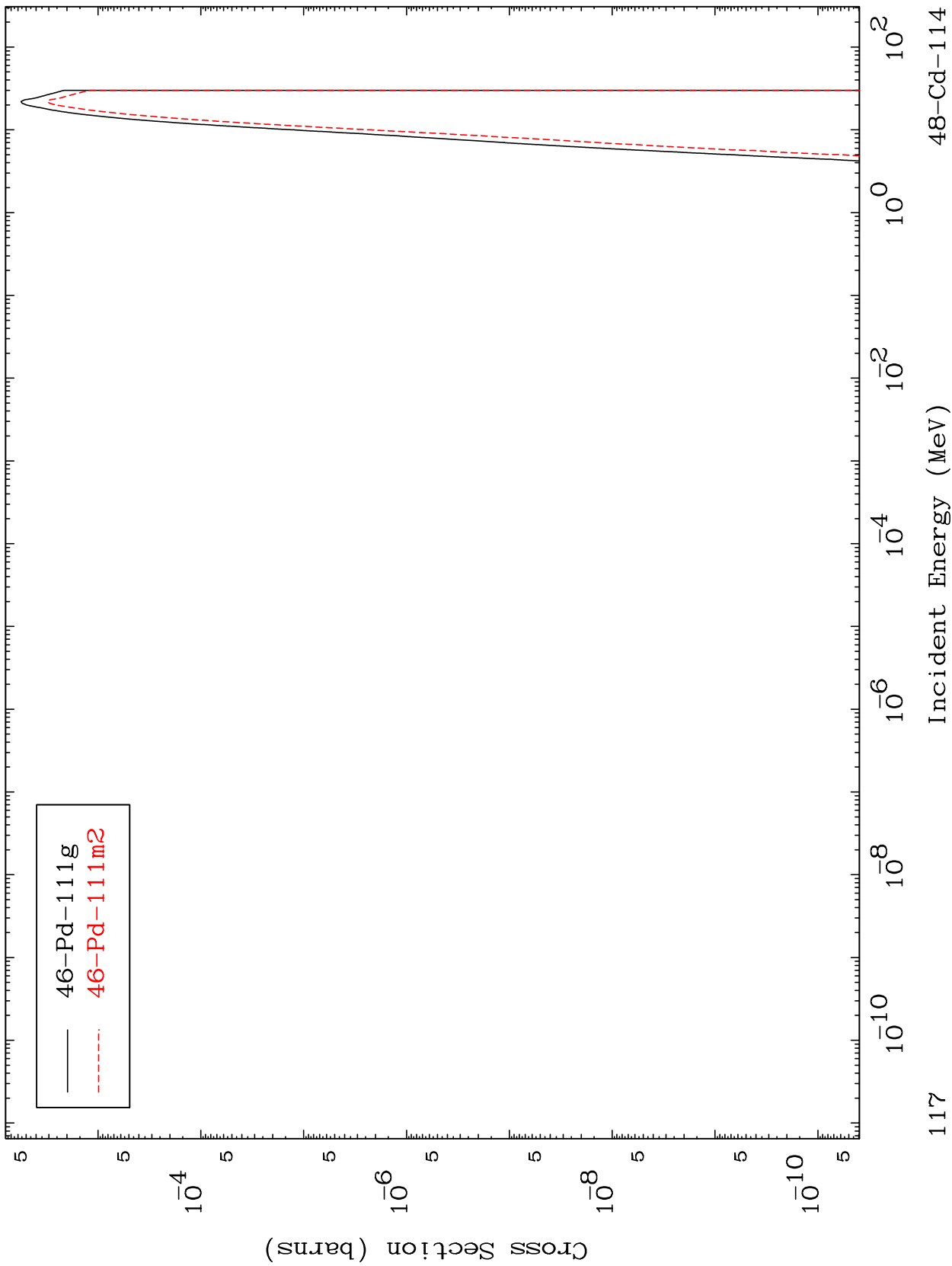
Incident Energy (MeV)

48-Cd-114

MAT 4849

48-Cd-114

(n, α)
Radionuclide Production Cross Section



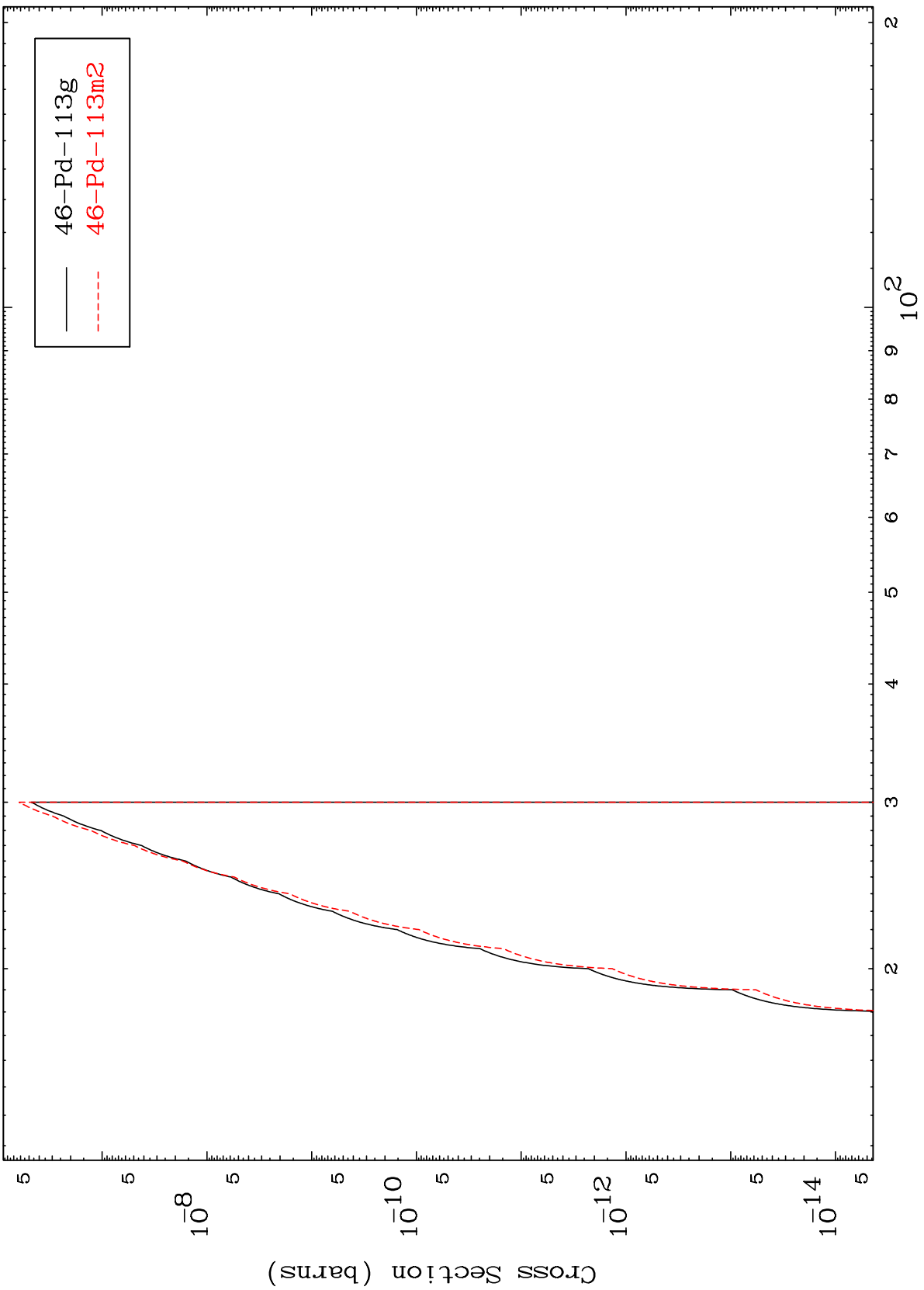
117

48-Cd-114

MAT 4849

48-Cd-114

(n,2p)
Radionuclide Production Cross Section



118

Incident Energy (MeV)

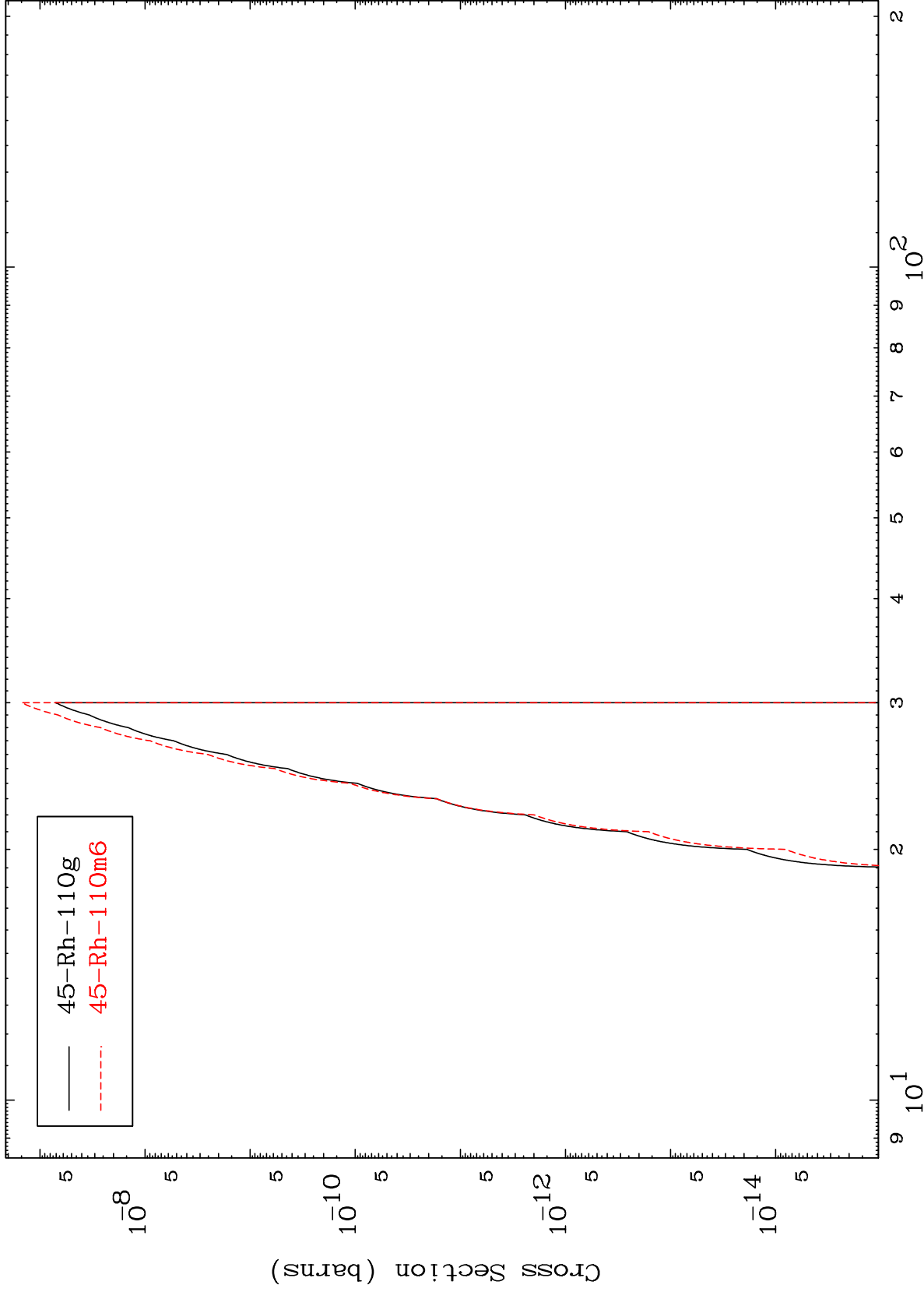
48-Cd-114

MAT 4849

(n,p) α

48-Cd-114

Radionuclide Production Cross Section



119

Incident Energy (MeV)

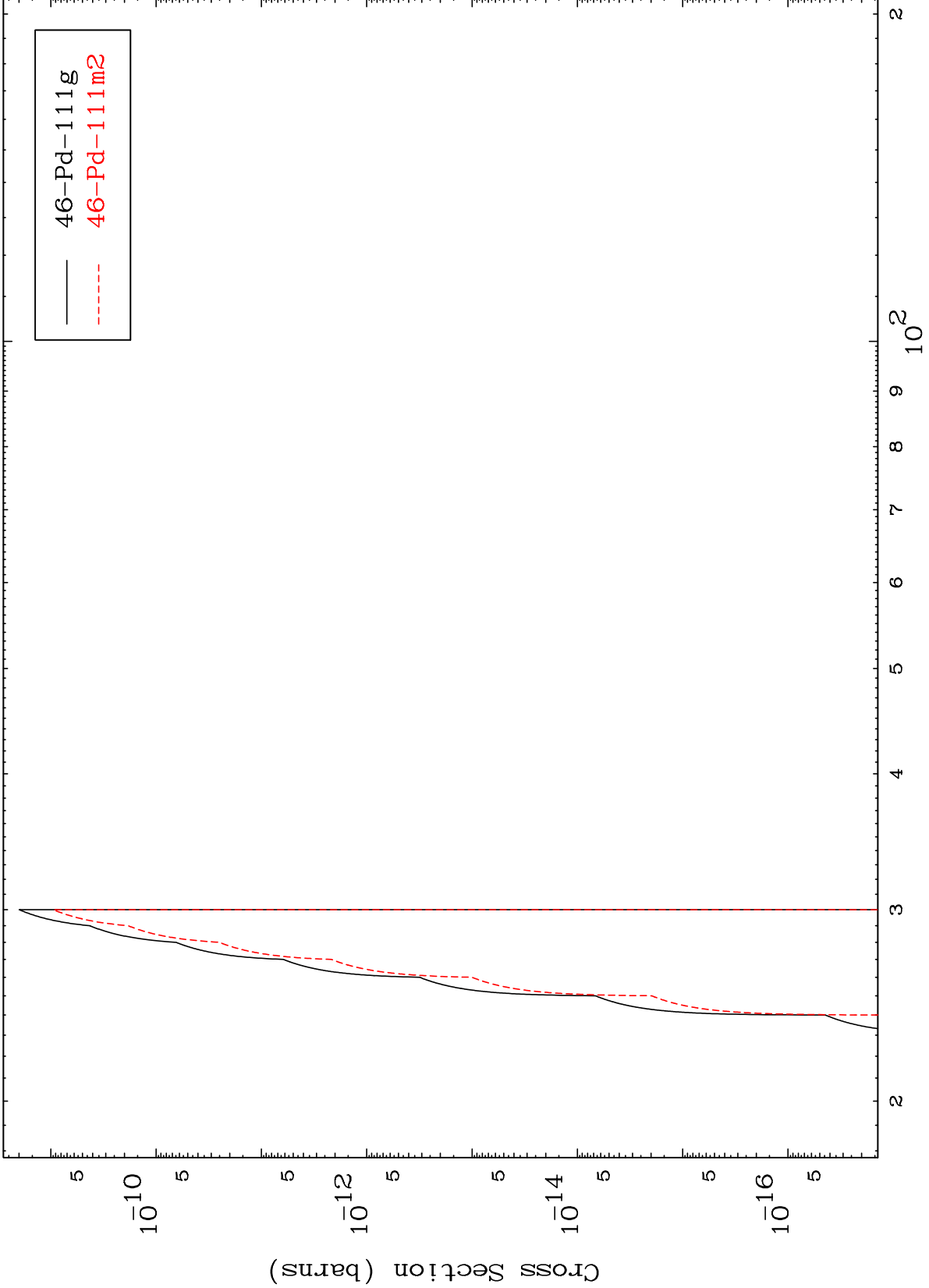
48-Cd-114

MAT 4849

(n,p) t

48-Cd-114

Radionuclide Production Cross Section



46-Pd-111g
46-Pd-111m2

120

Incident Energy (MeV)

48-Cd-114