

Program EVALPLOT
(Version 2018-1)

by

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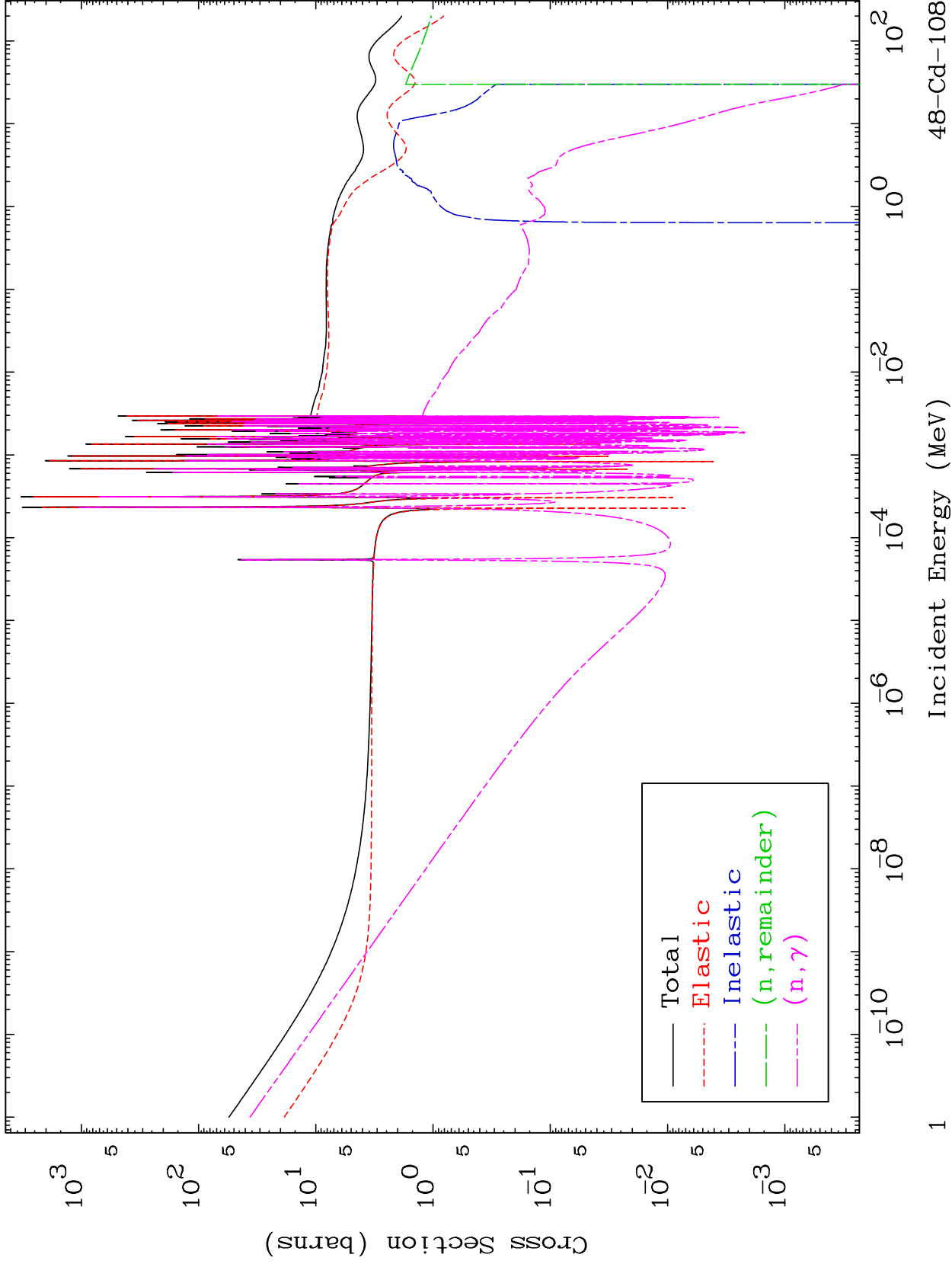
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4831

Major
293 Kelvin Cross Sections

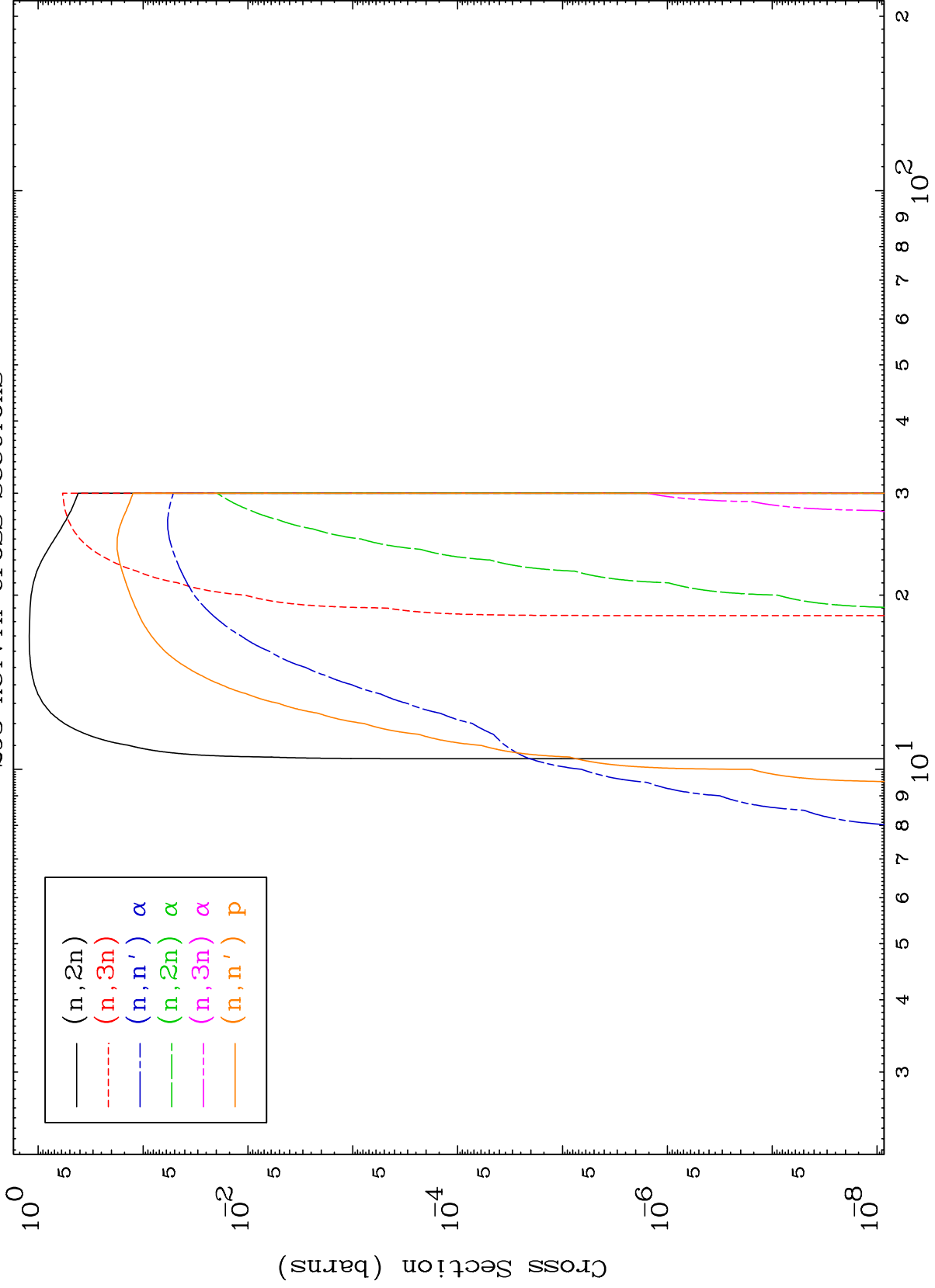
48-Cd-108



MAT 4831

Neutron Production
293 Kelvin Cross Sections

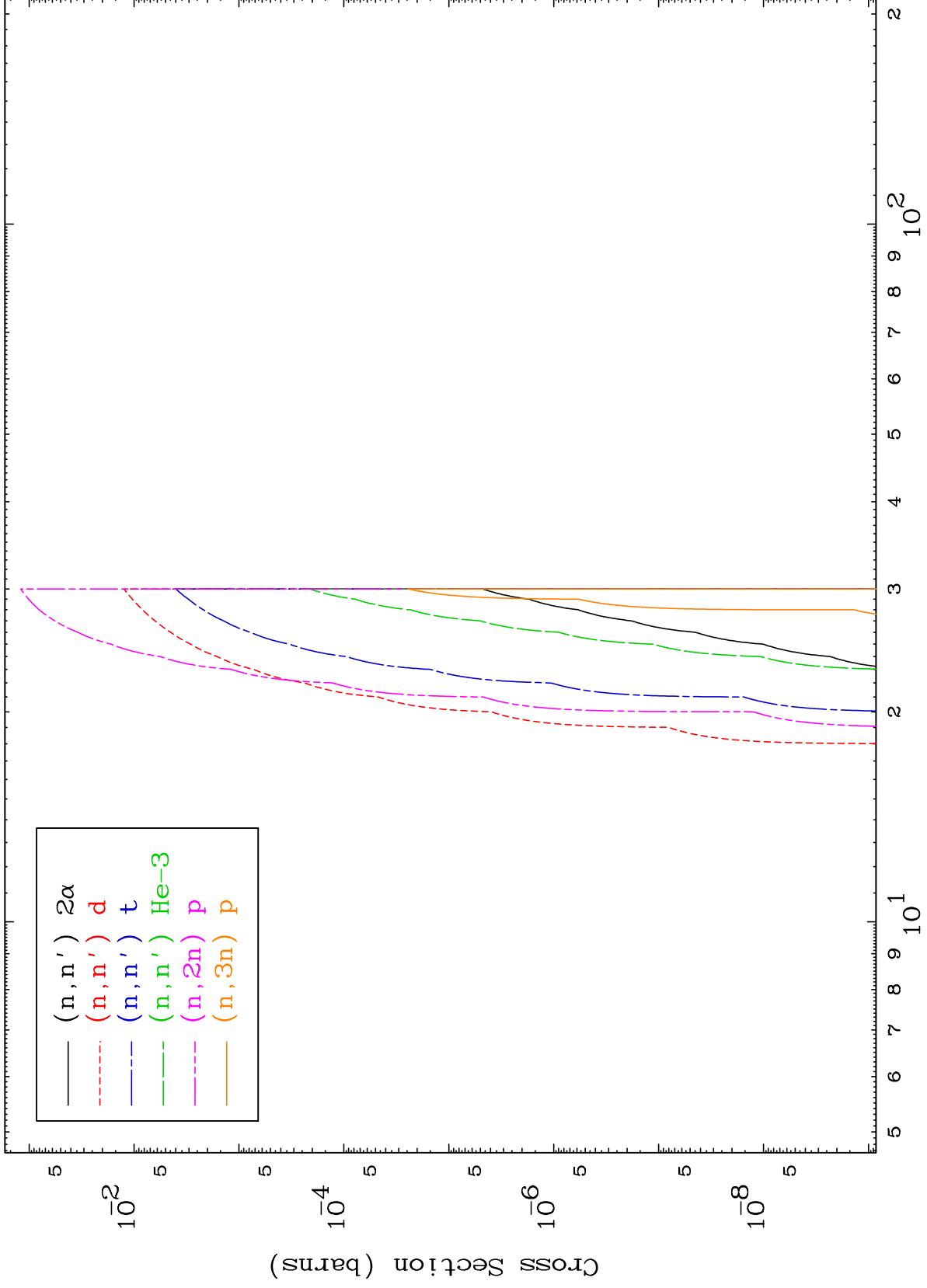
48-Cd-108



MAT 4831

Neutron Production
293 Kelvin Cross Sections

48-Cd-108



3

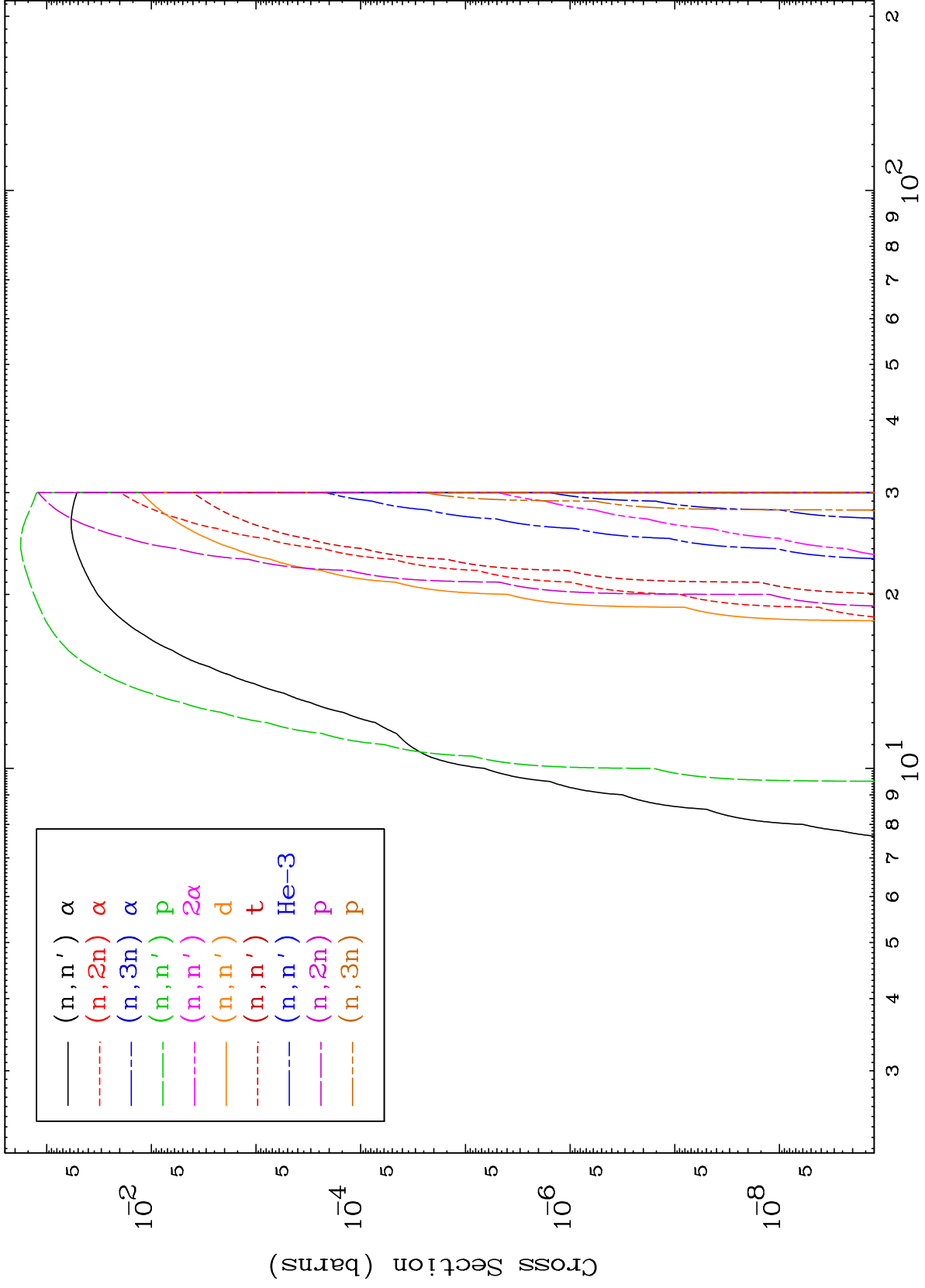
Incident Energy (MeV)

48-Cd-108

MAT 4831

Charged Particle
293 Kelvin Cross Sections

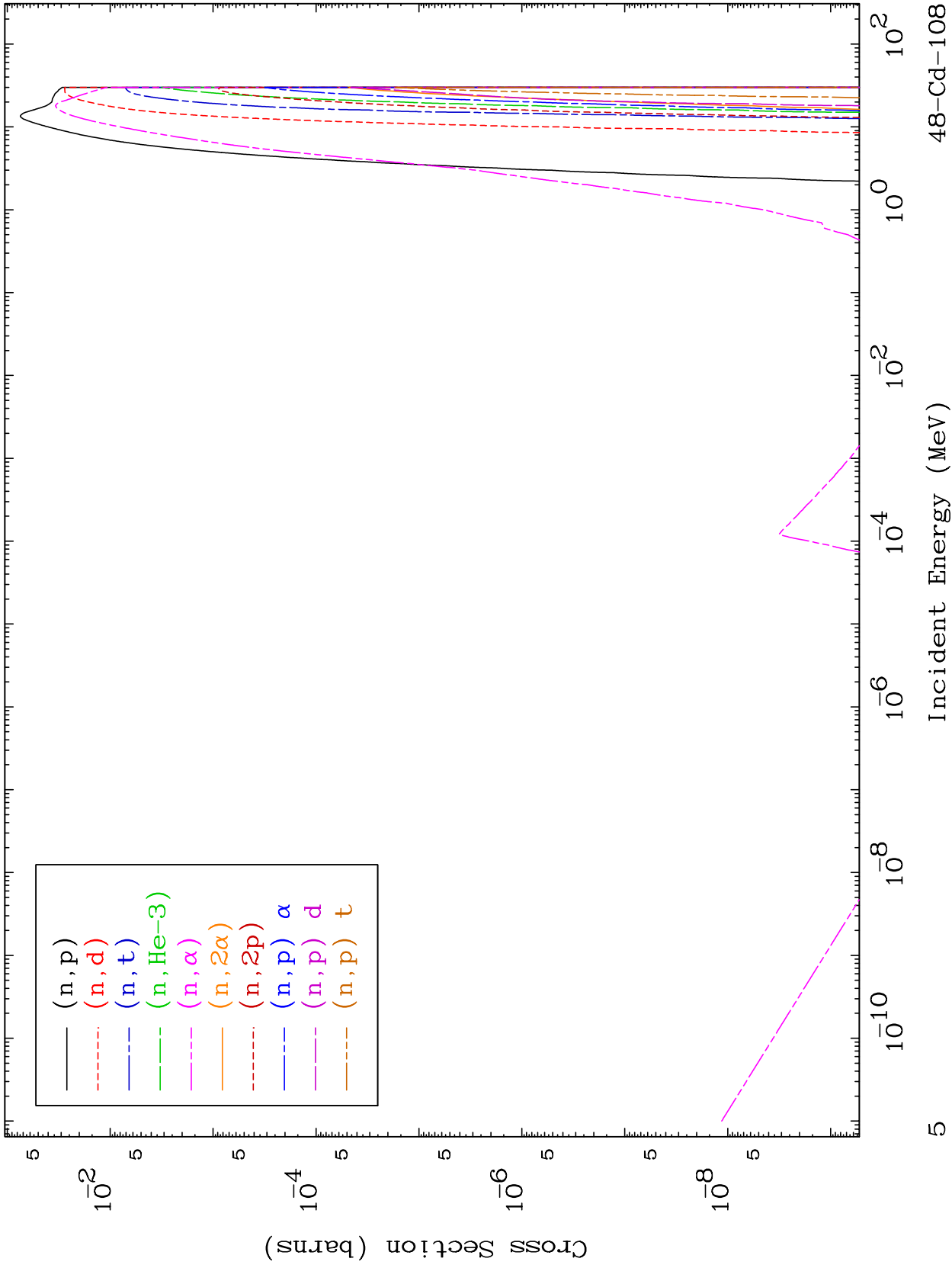
48-Cd-108



MAT 4831

Charged Particle
293 Kelvin Cross Sections

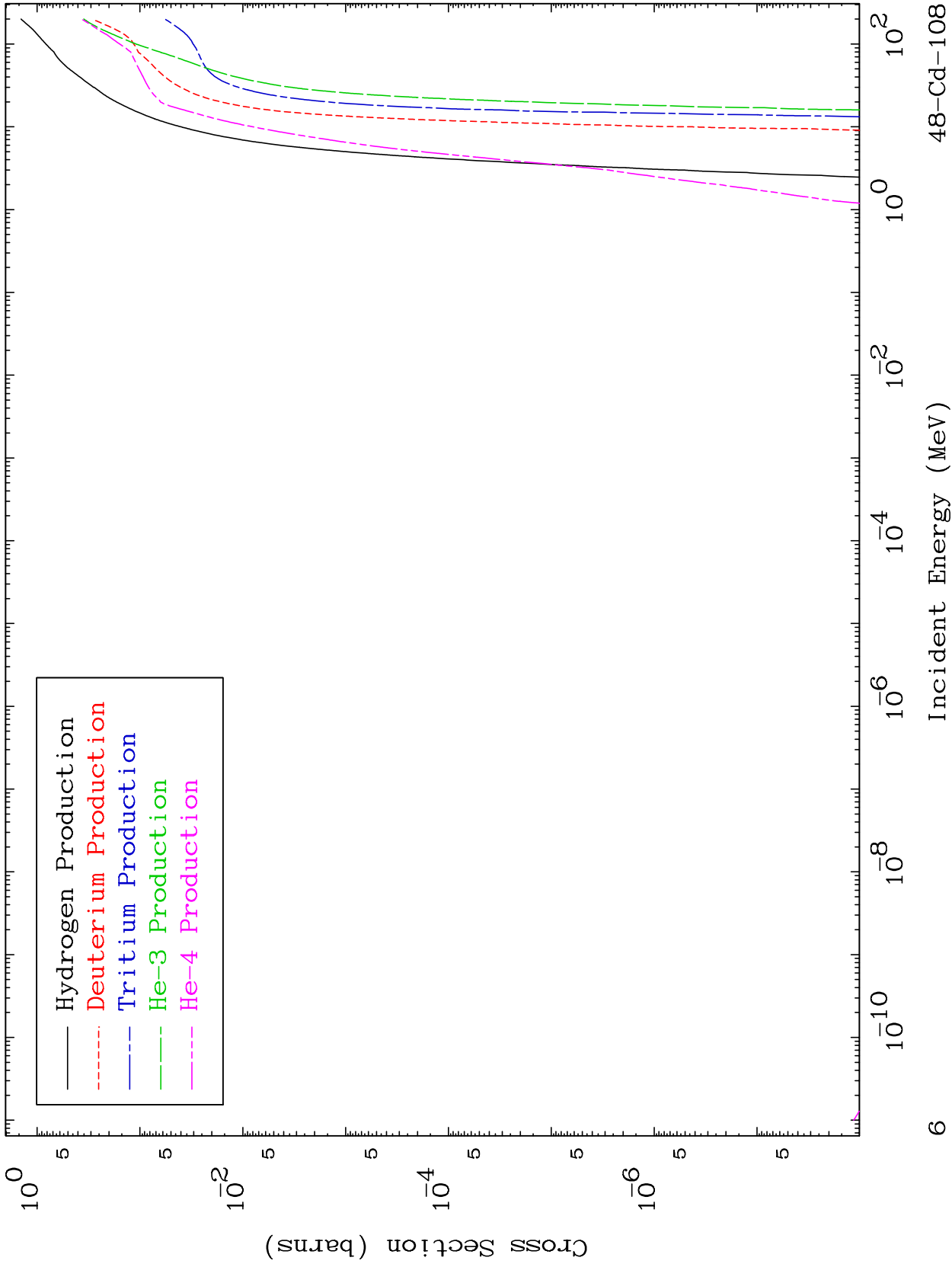
48-Cd-108



MAT 4831

Particle Production
293 Kelvin Cross Sections

48-Cd-108

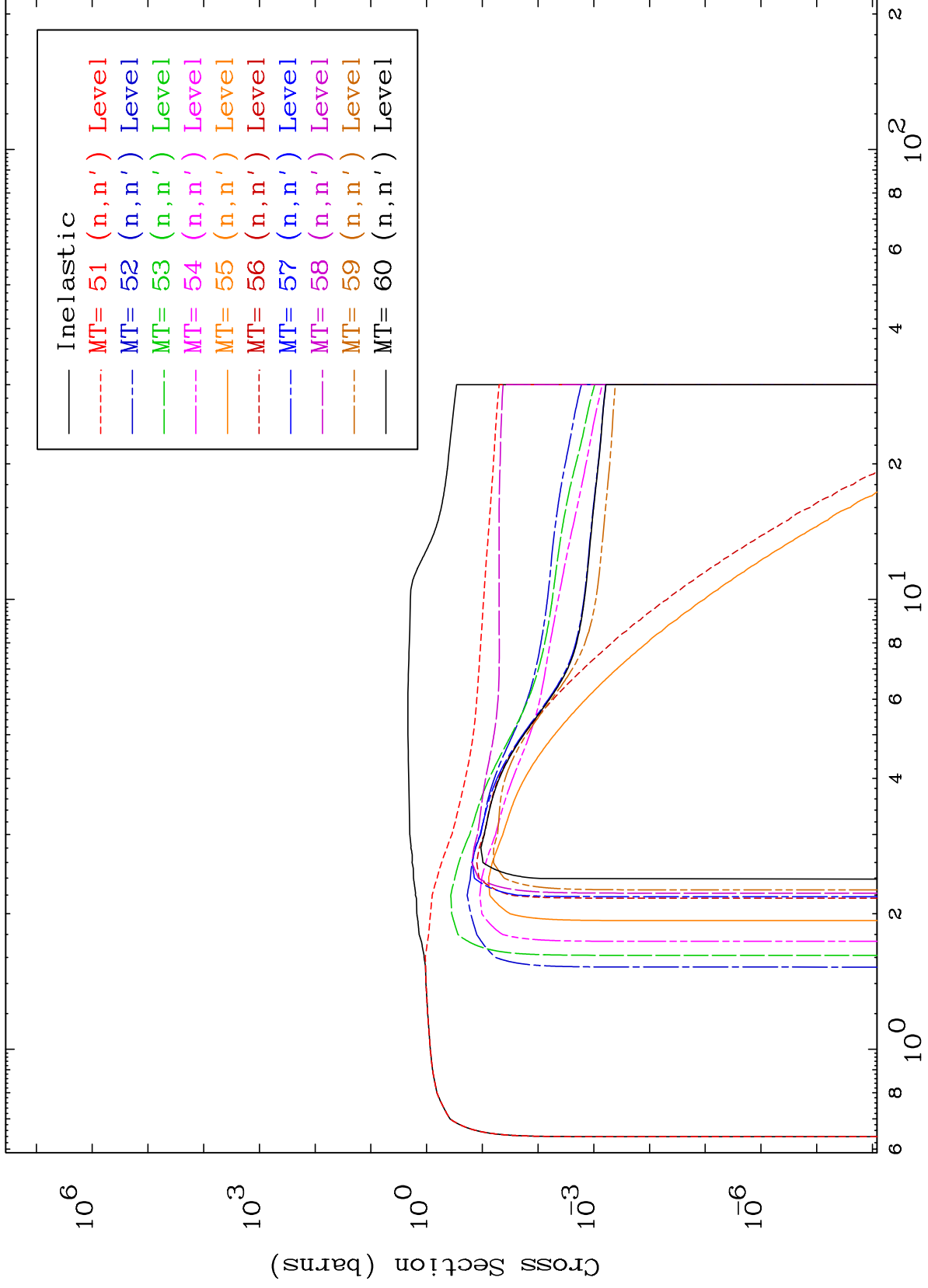


MAT 4831

(n,n') Level

48-Cd-108

293 Kelvin Cross Sections



7

Incident Energy (MeV)

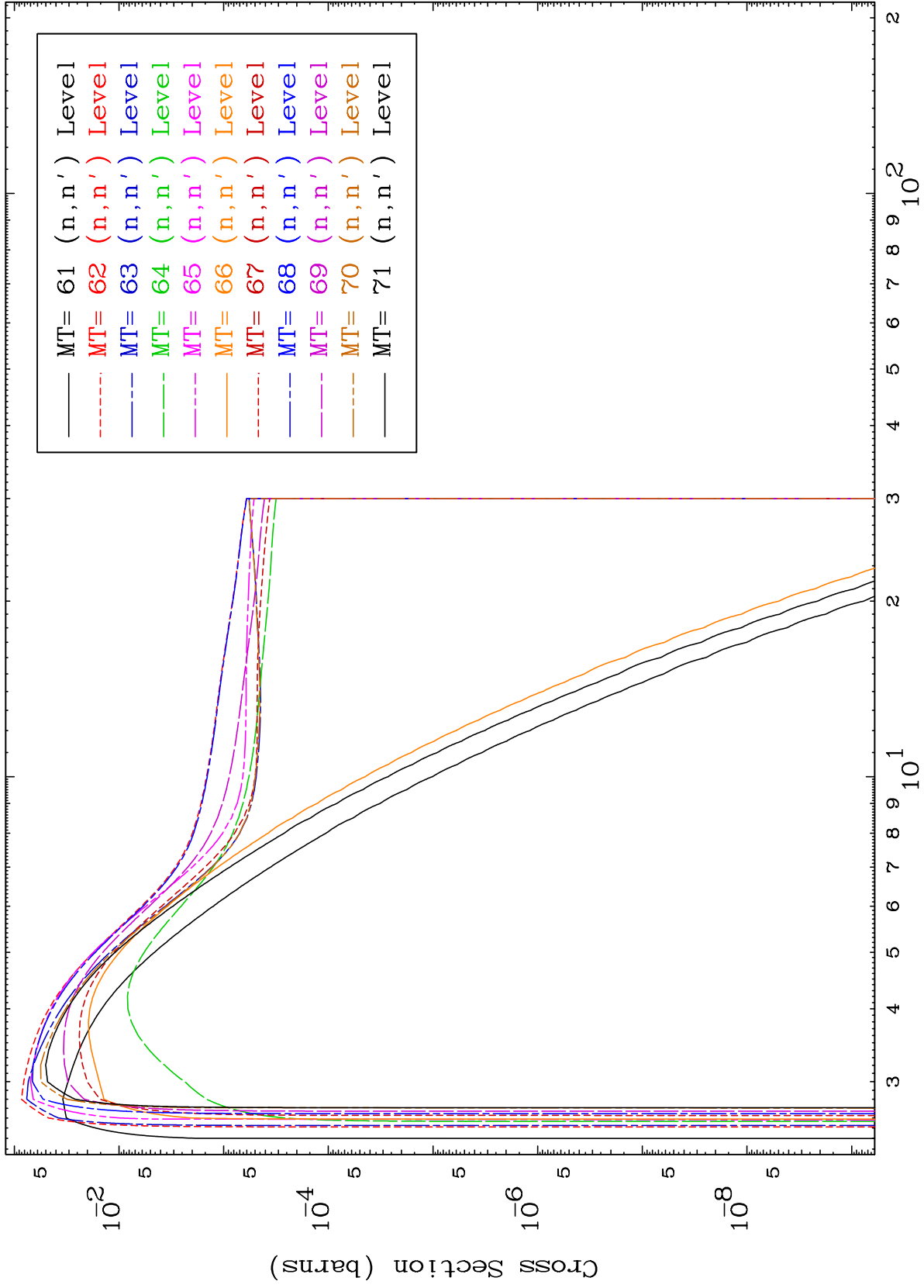
48-Cd-108

MAT 4831

(n,n') Level

48-Cd-108

293 Kelvin Cross Sections



8

Incident Energy (MeV)

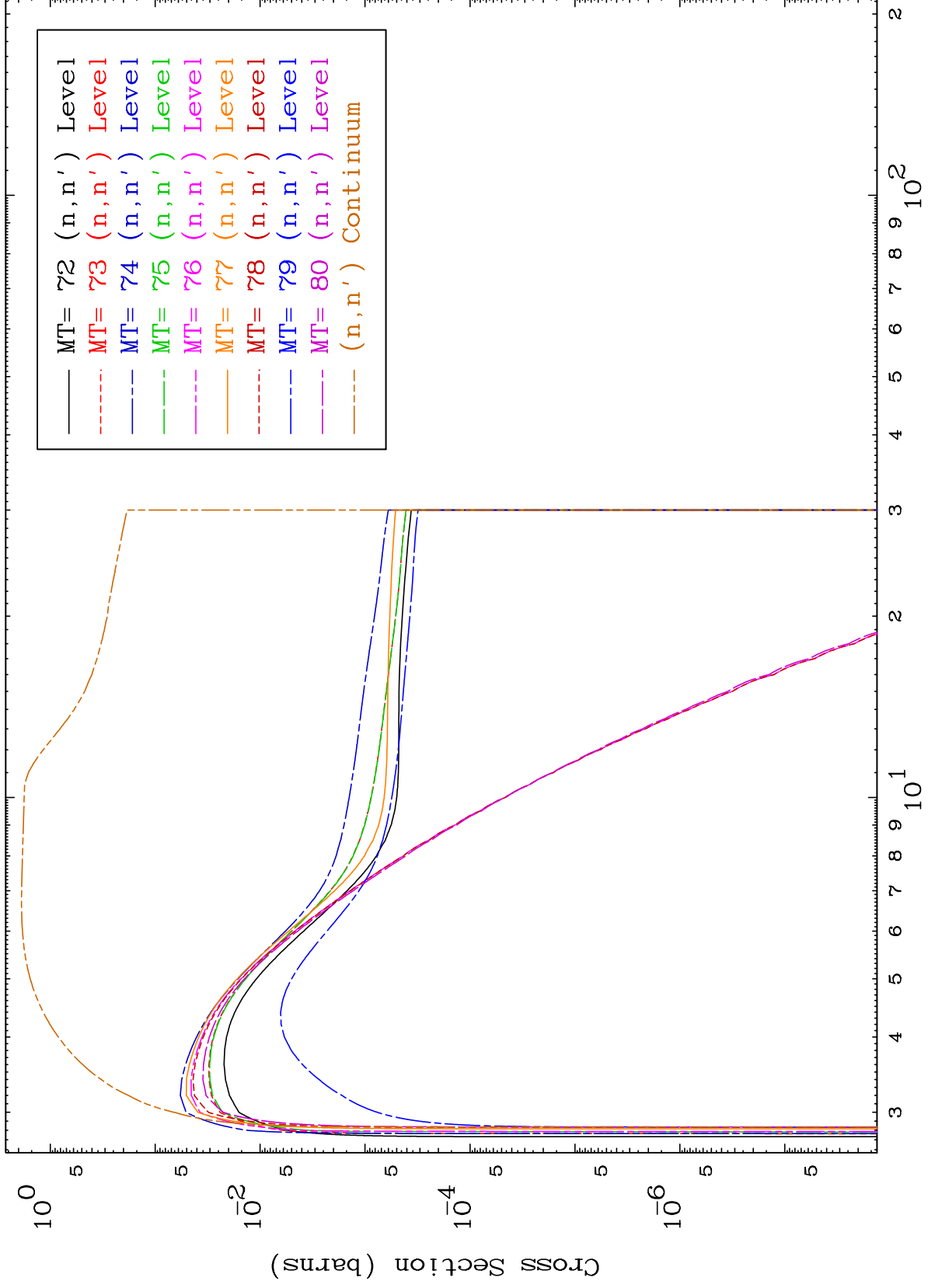
48-Cd-108

MAT 4831

(n,n') Level

48-Cd-108

293 Kelvin Cross Sections



9

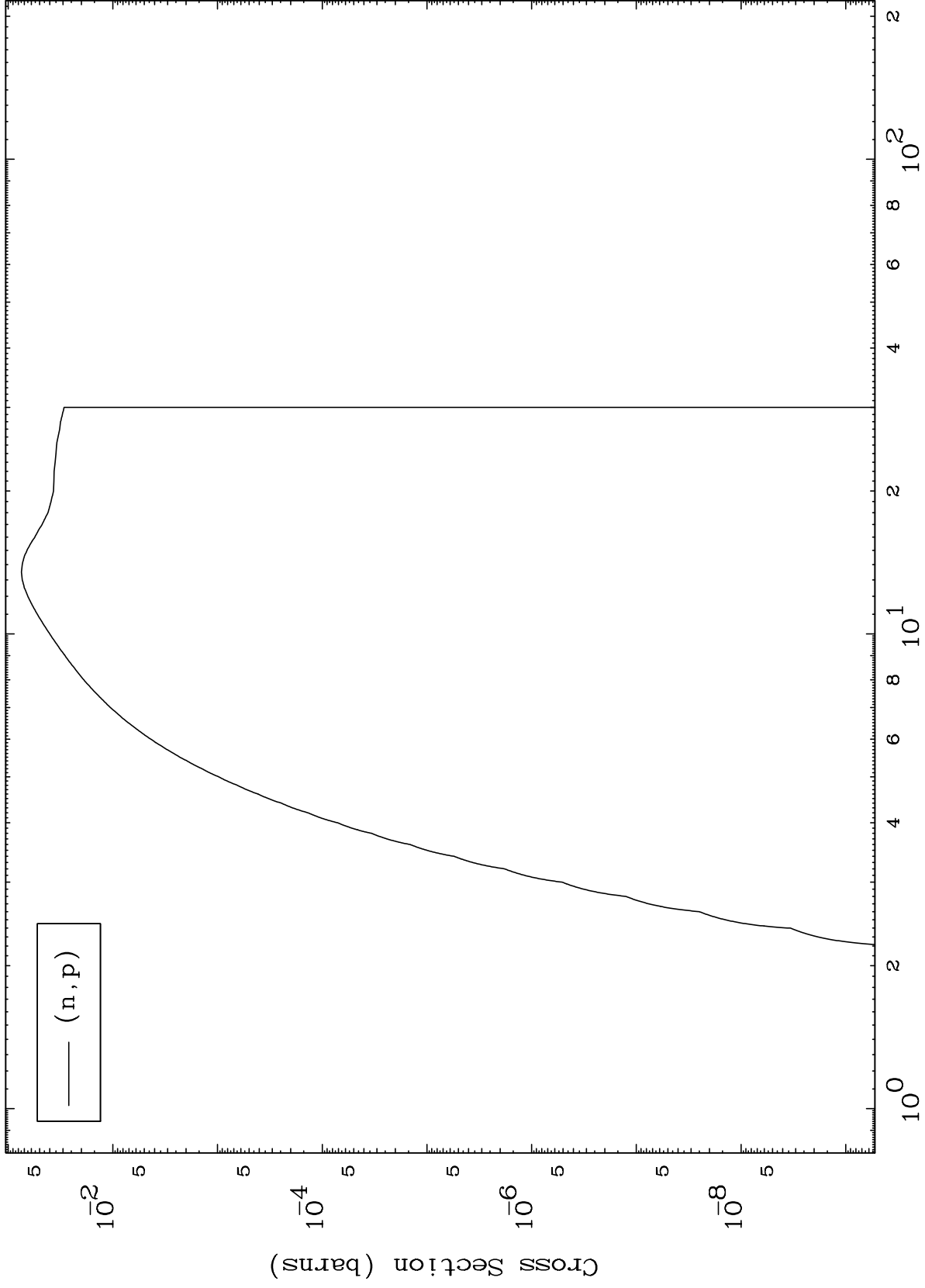
Incident Energy (MeV)

48-Cd-108

MAT 4831

(n,p) Levels
293 Kelvin Cross Sections

48-Cd-108



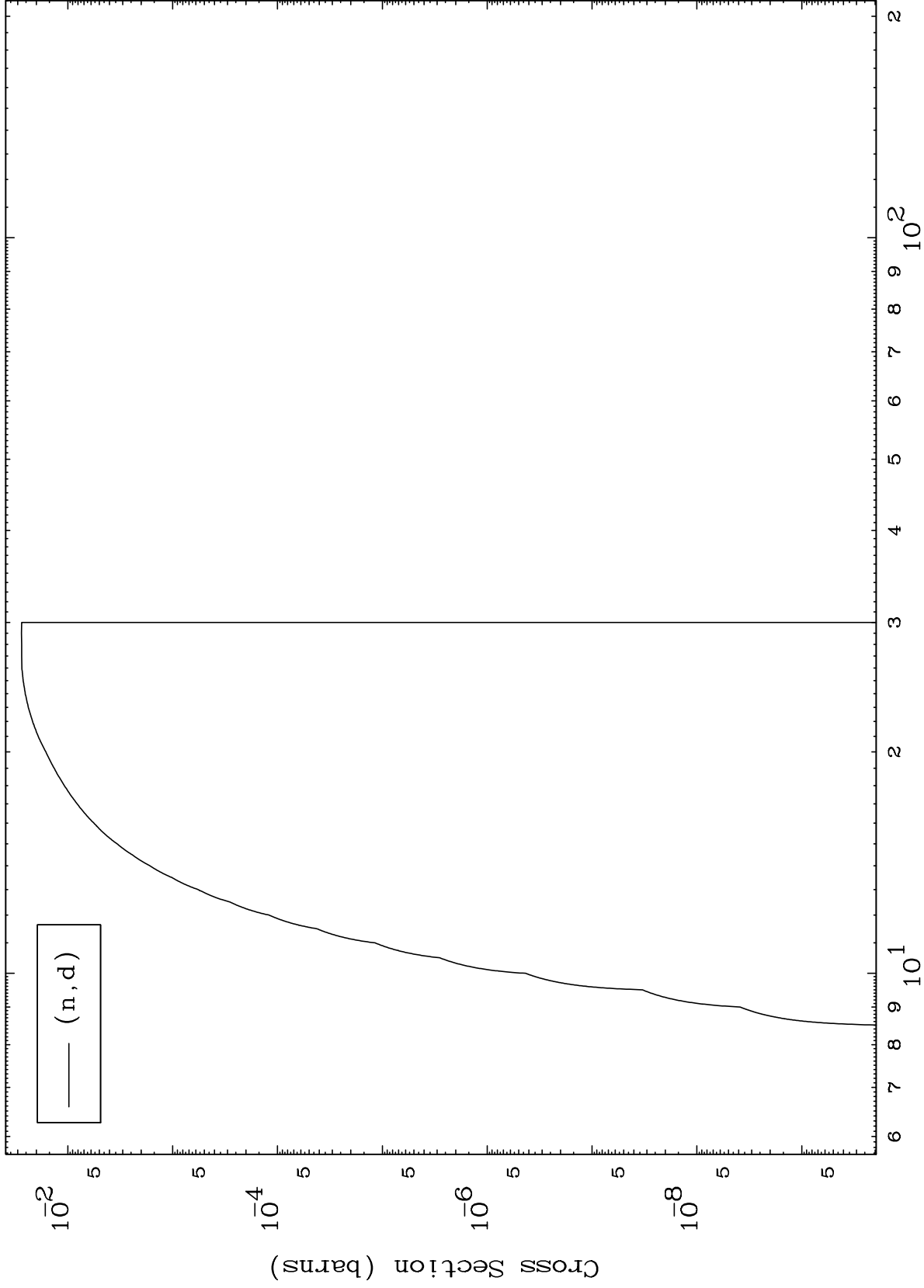
Incident Energy (MeV)

48-Cd-108

MAT 4831

(n,d) Levels
293 Kelvin Cross Sections

48-Cd-108



11

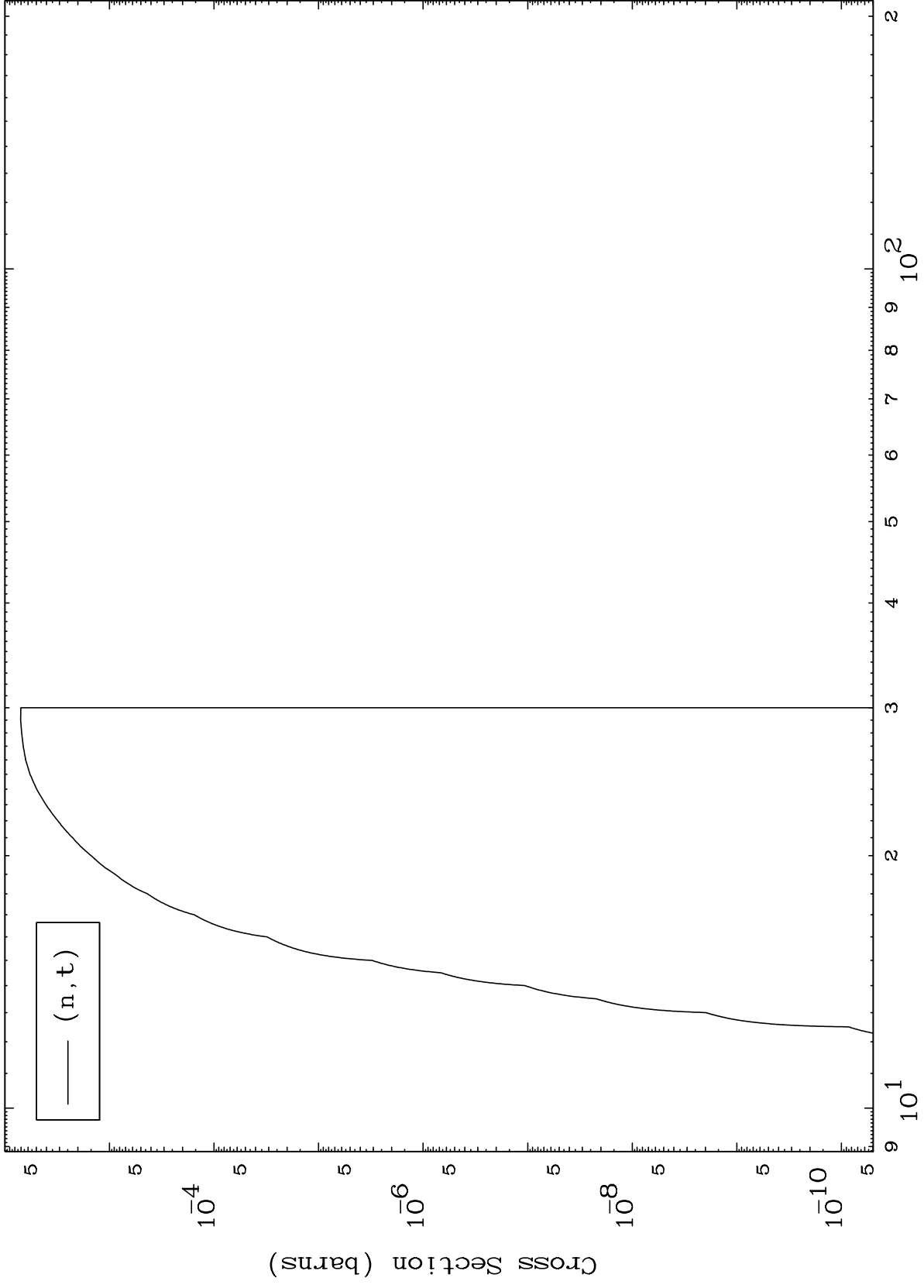
Incident Energy (MeV)

48-Cd-108

MAT 4831

(n,t) Levels
293 Kelvin Cross Sections

48-Cd-108



12

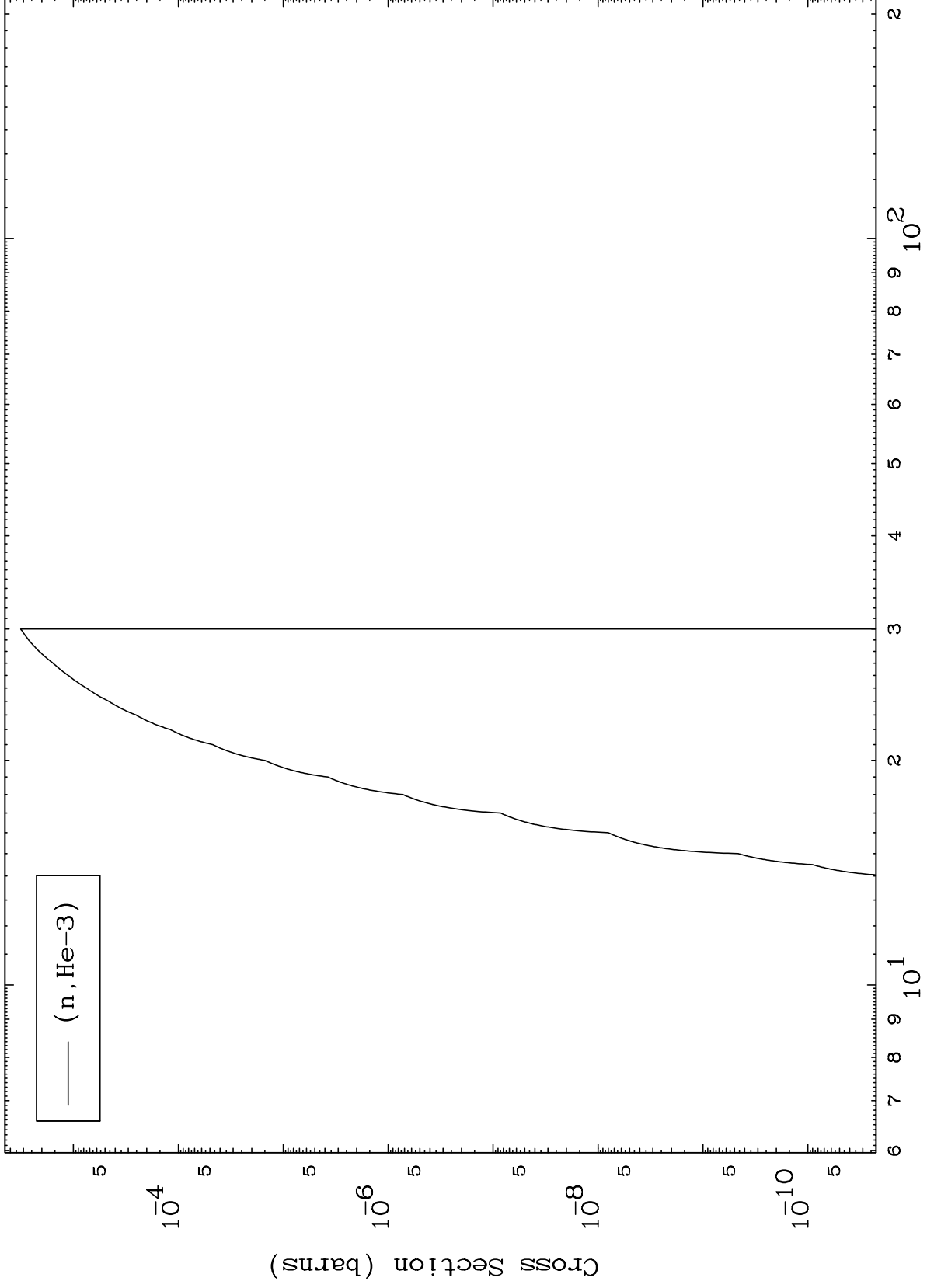
Incident Energy (MeV)

48-Cd-108

MAT 4831

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-108



13

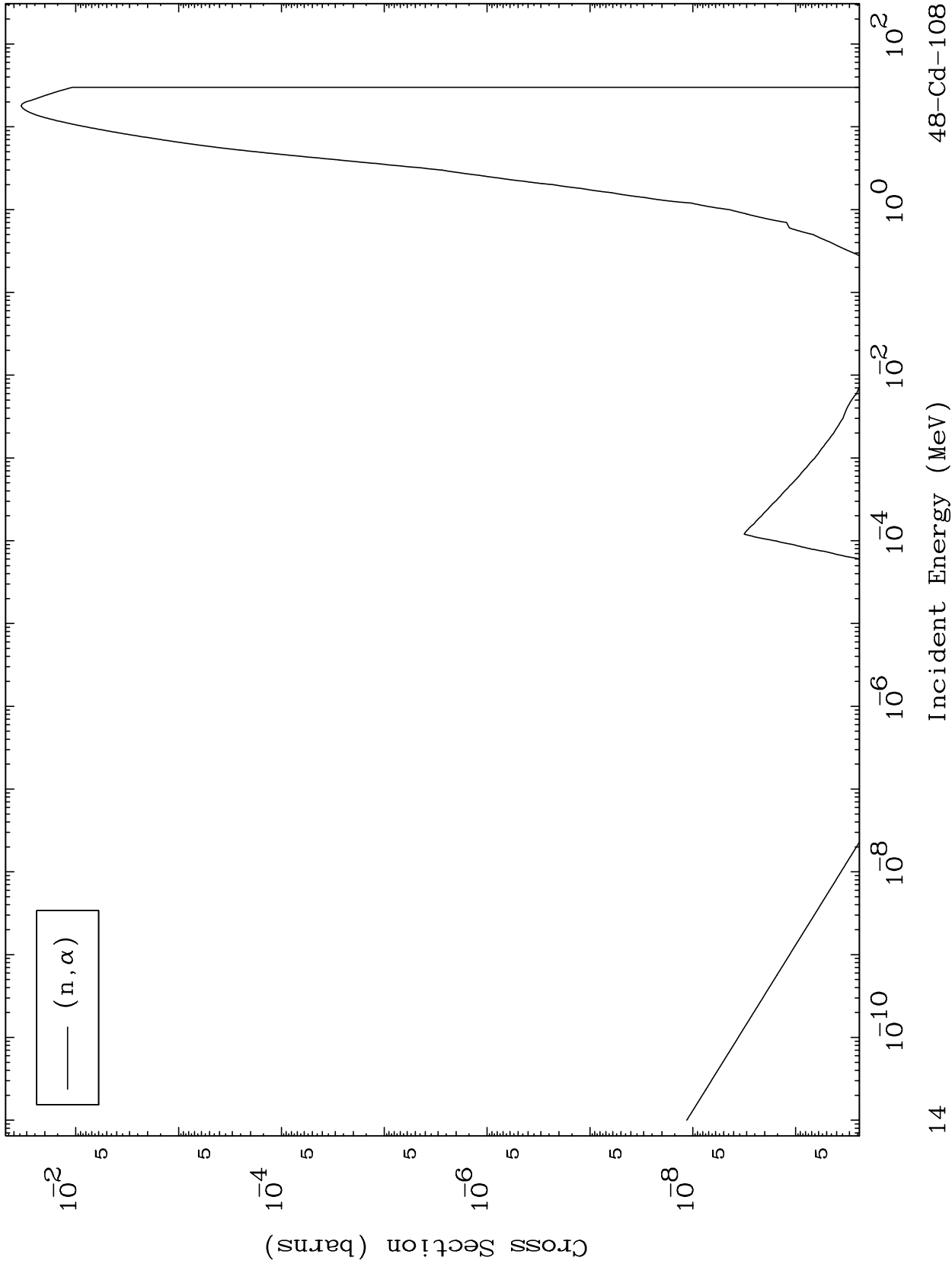
Incident Energy (MeV)

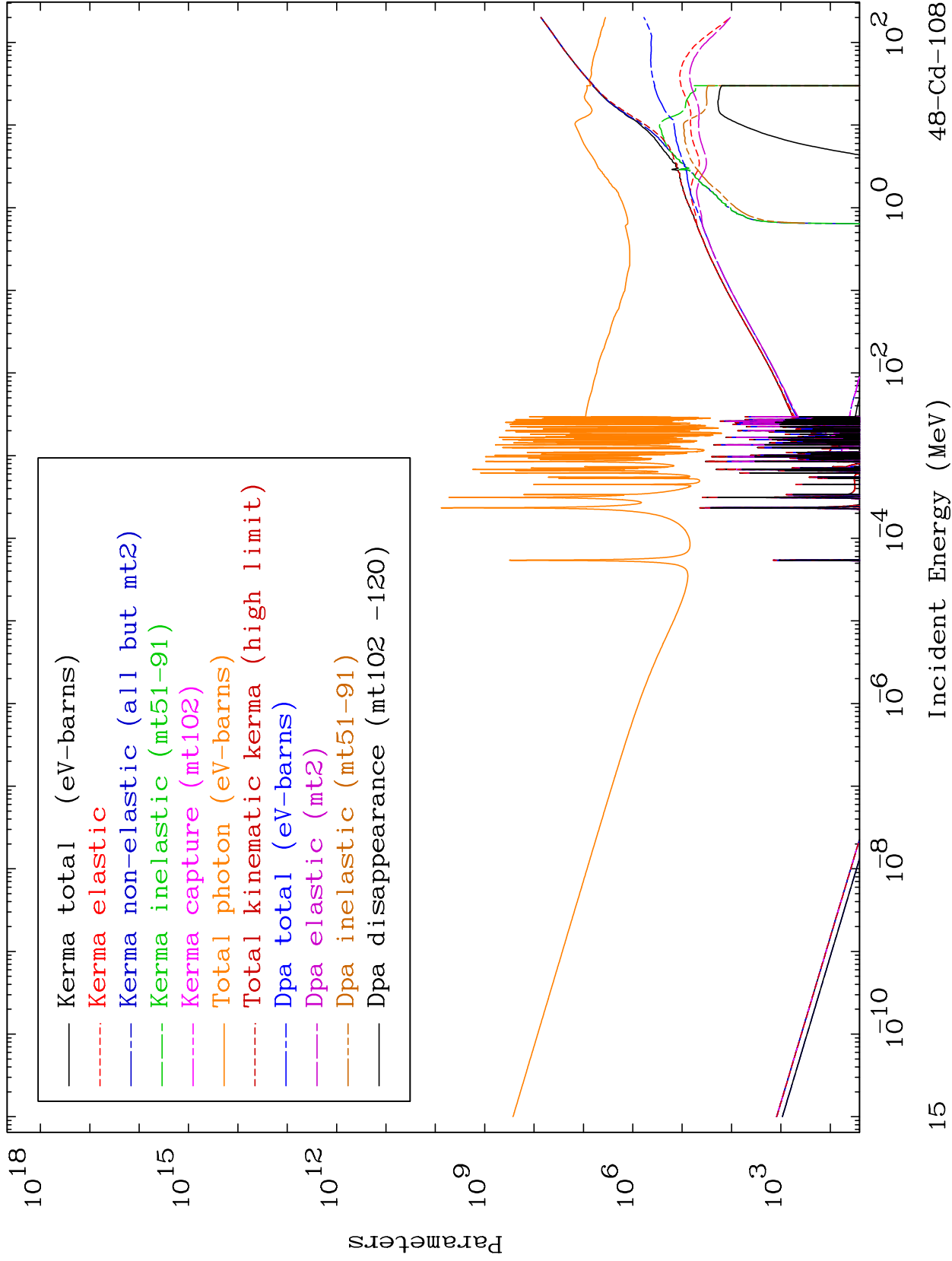
48-Cd-108

MAT 4831

(n, α) Levels
293 Kelvin Cross Sections

48-Cd-108

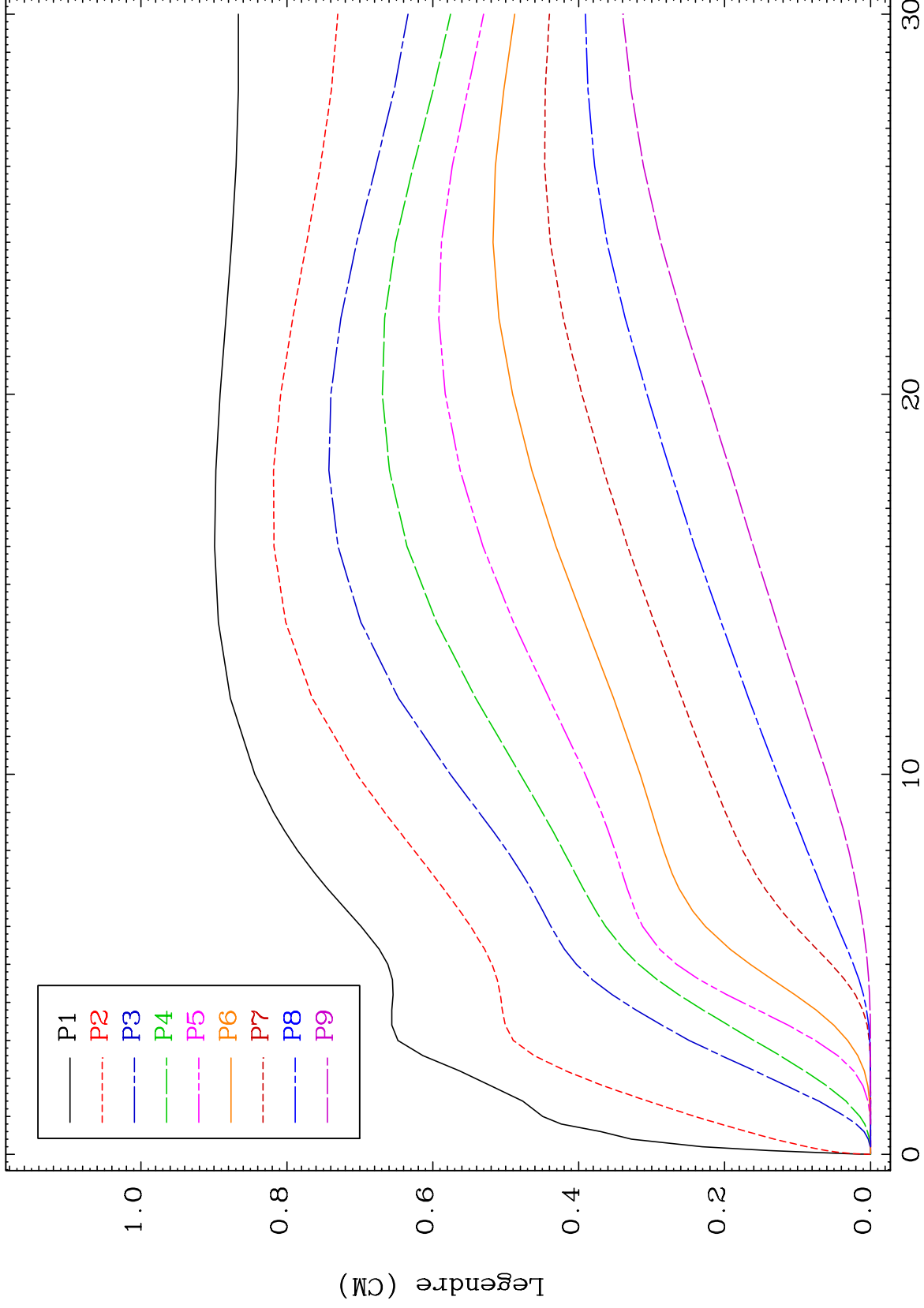




MAT 4831

Elastic Legendre Coefficients

48-Cd-108



16

Incident Energy (MeV)

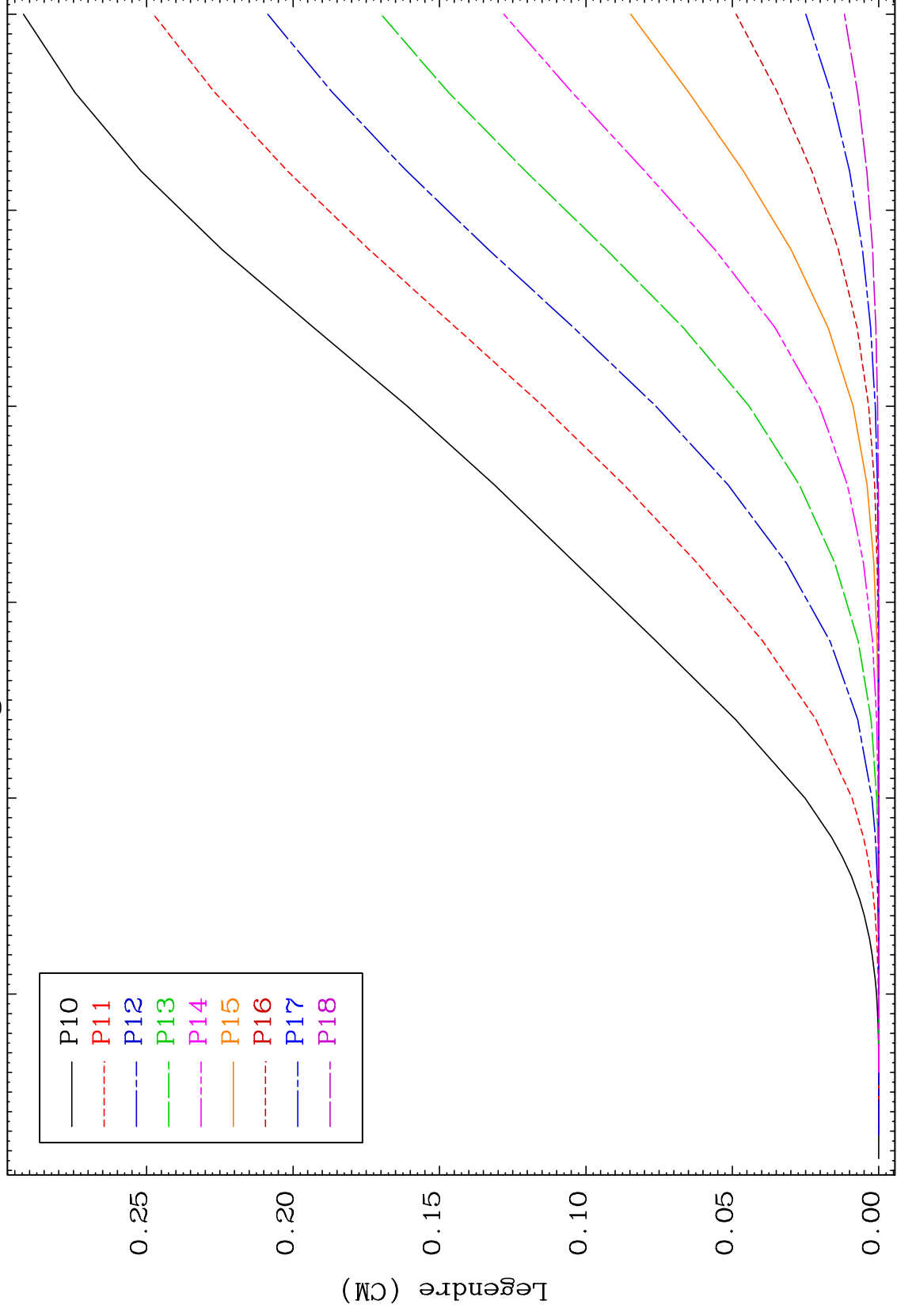
48-Cd-108

30

MAT 4831

Elastic Legendre Coefficients

48-Cd-108



17

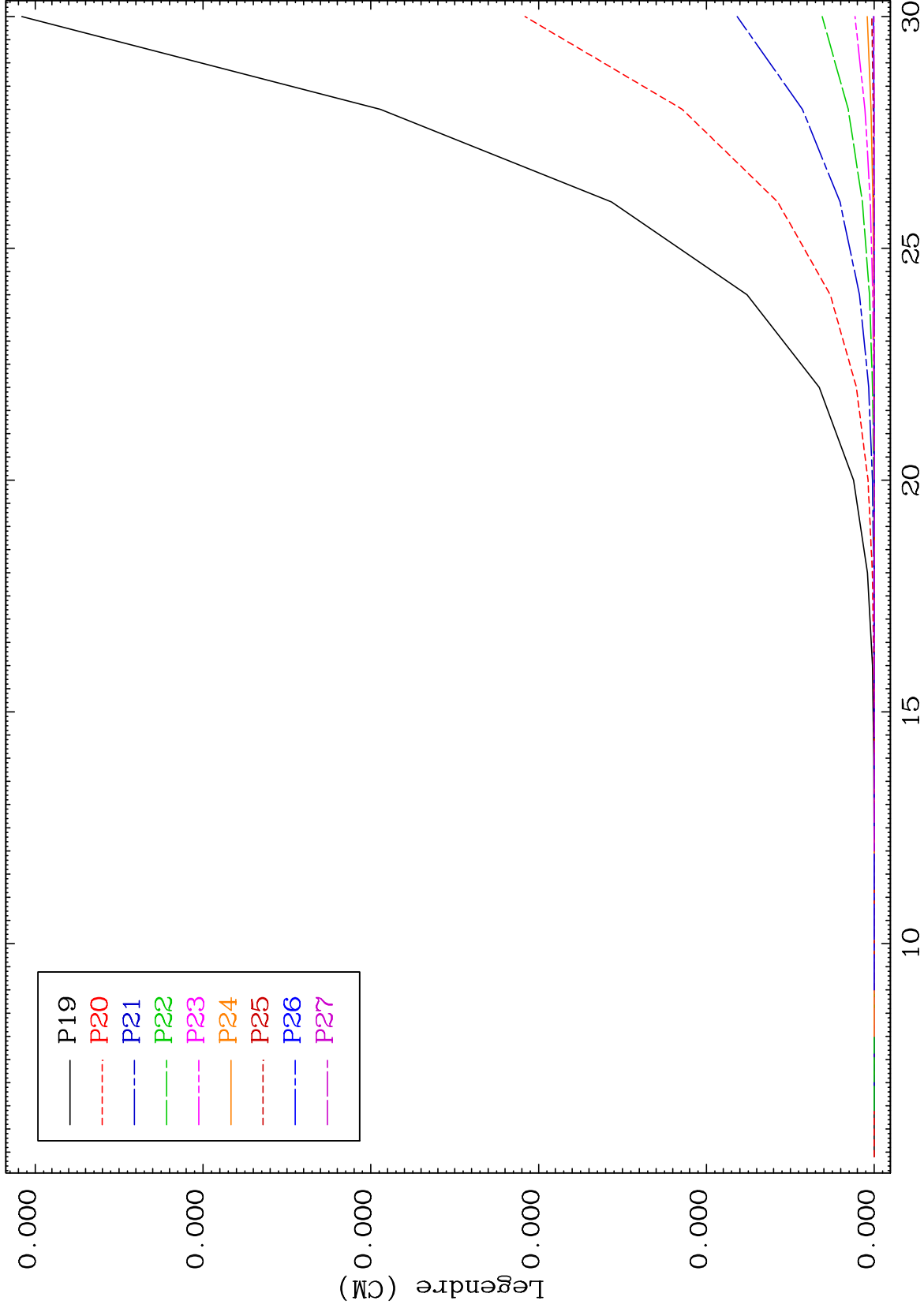
Incident Energy (MeV)

48-Cd-108

MAT 4831

Elastic Legendre Coefficients

48-Cd-108



18

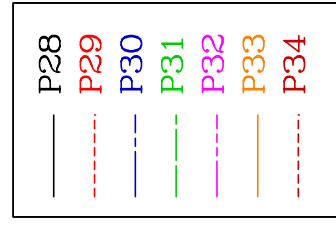
Incident Energy (MeV)

48-Cd-108

MAT 4831

Elastic Legendre Coefficients

48-Cd-108



$\times 10^{-72}$

Legendre (CM)

1

0

-1

15

20

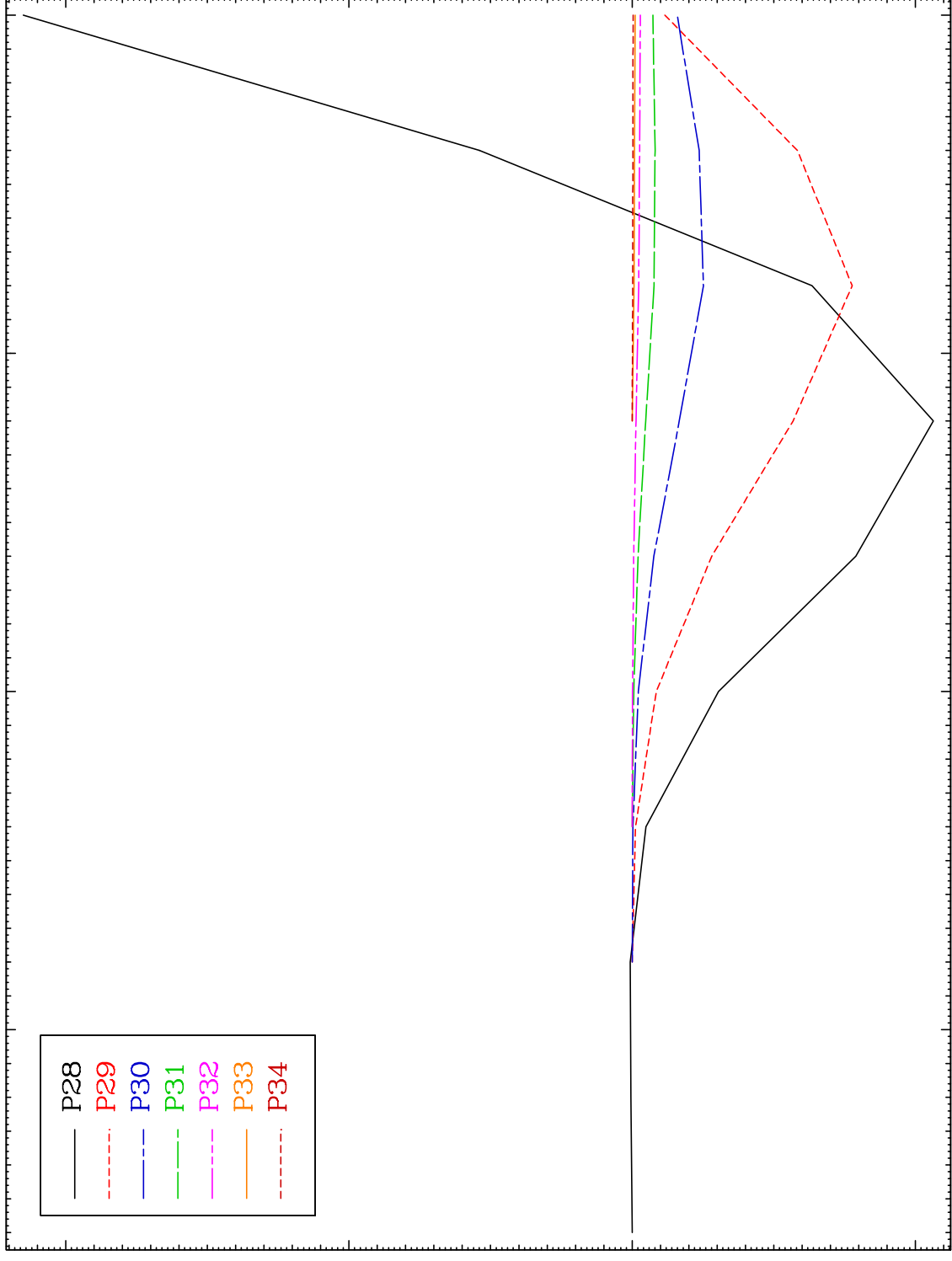
25

30

19

Incident Energy (MeV)

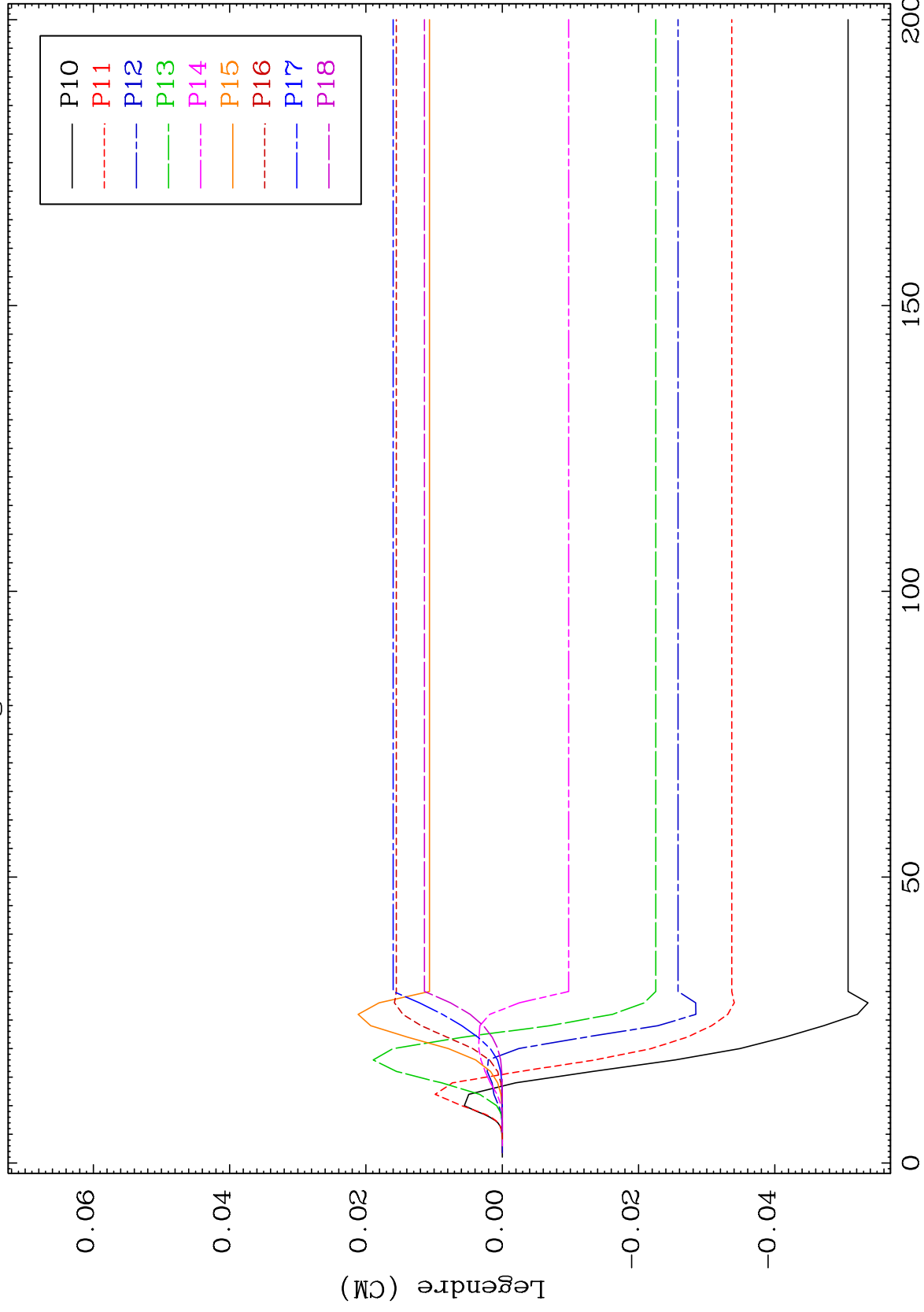
48-Cd-108



MAT 4831

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

48-Cd-108



21

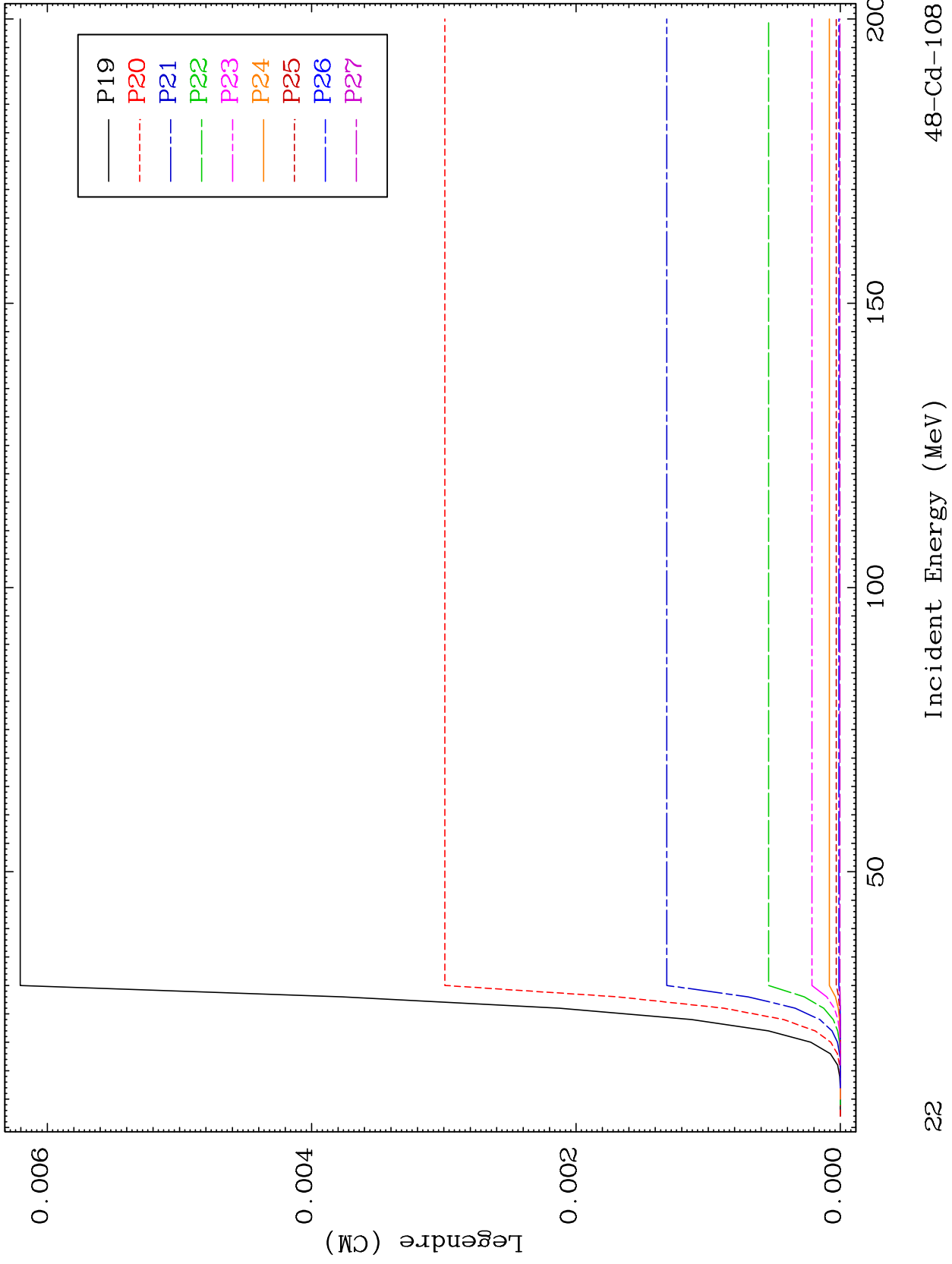
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108



22

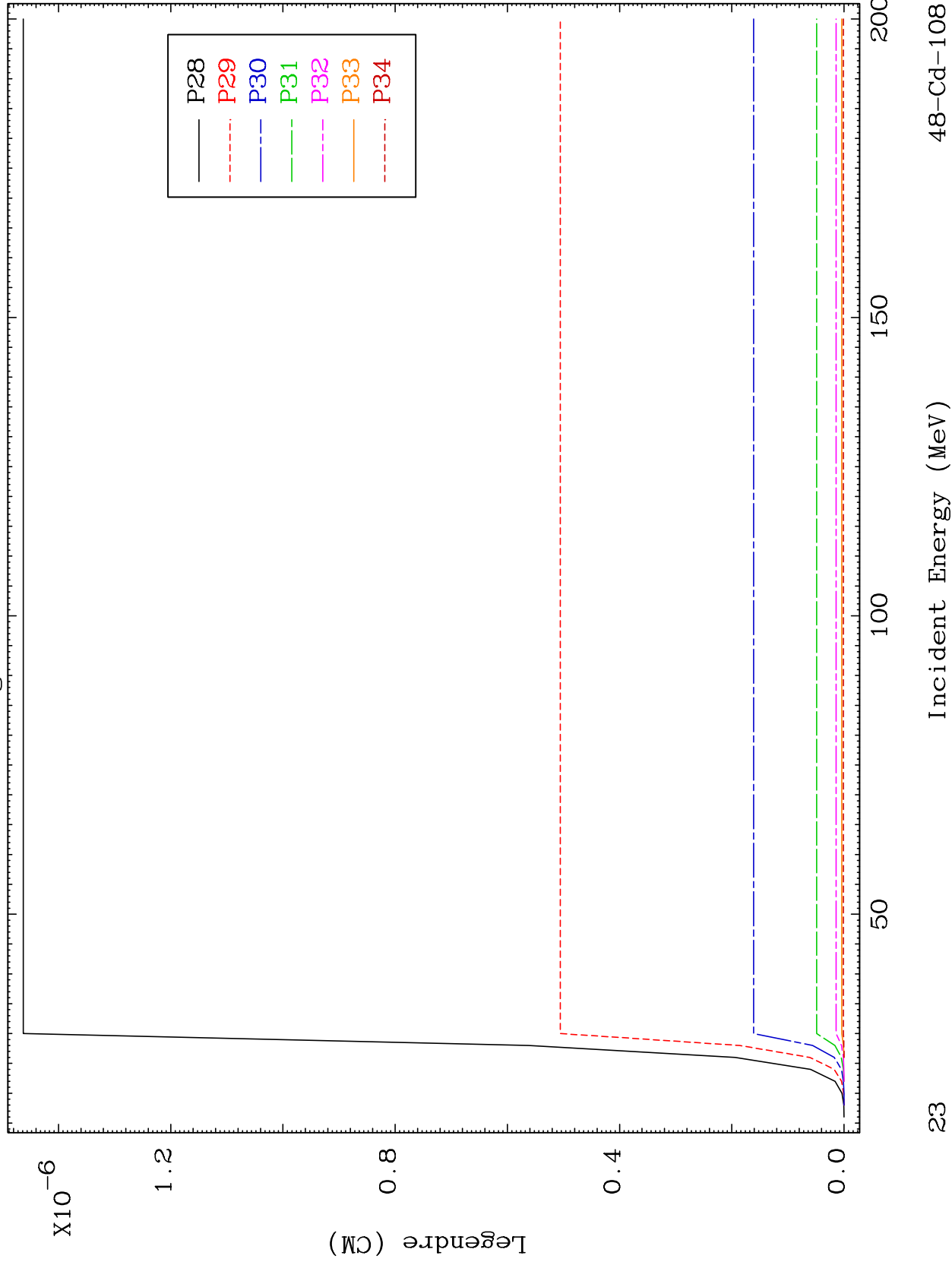
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108

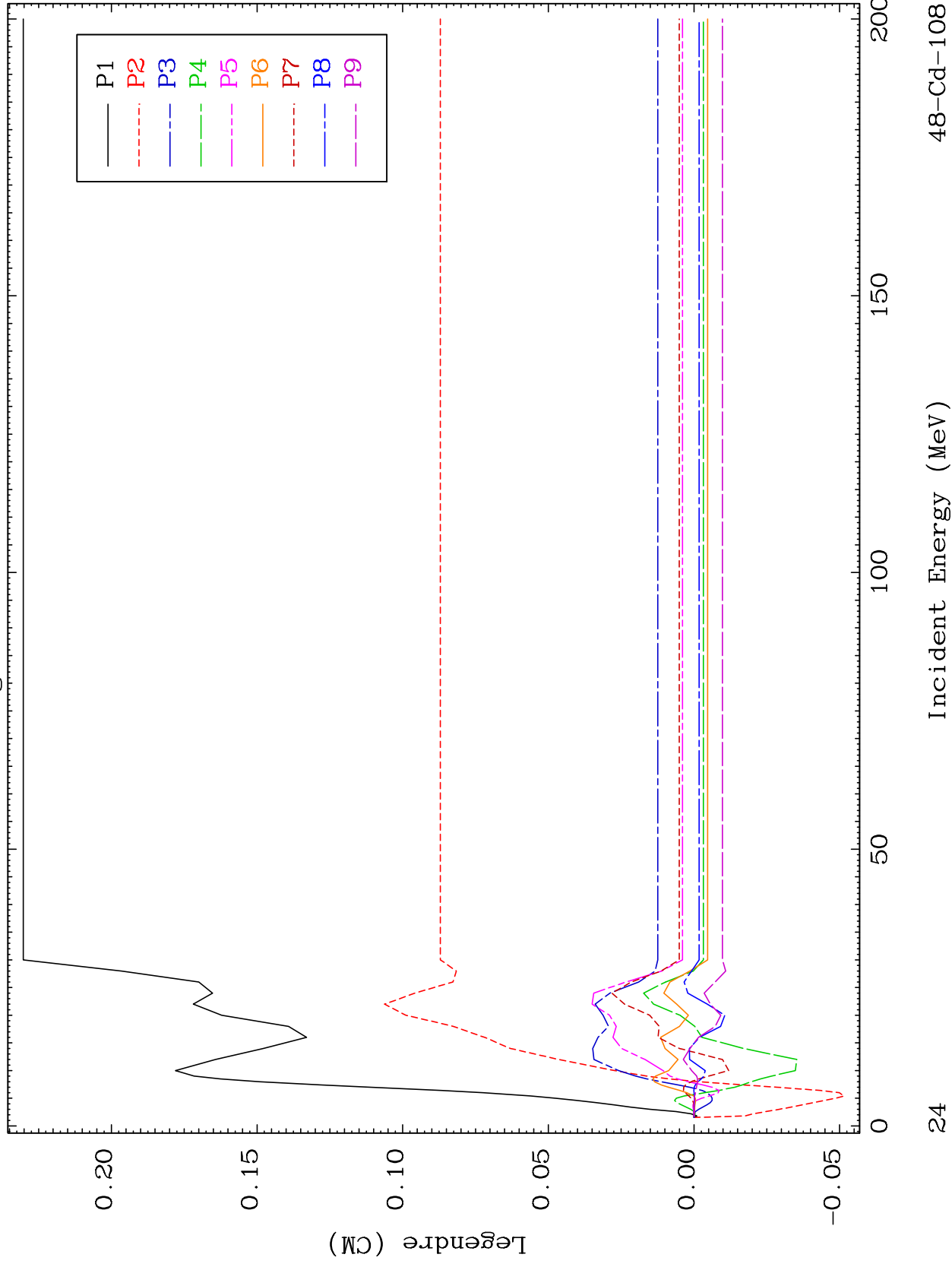


23

MAT 4831

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

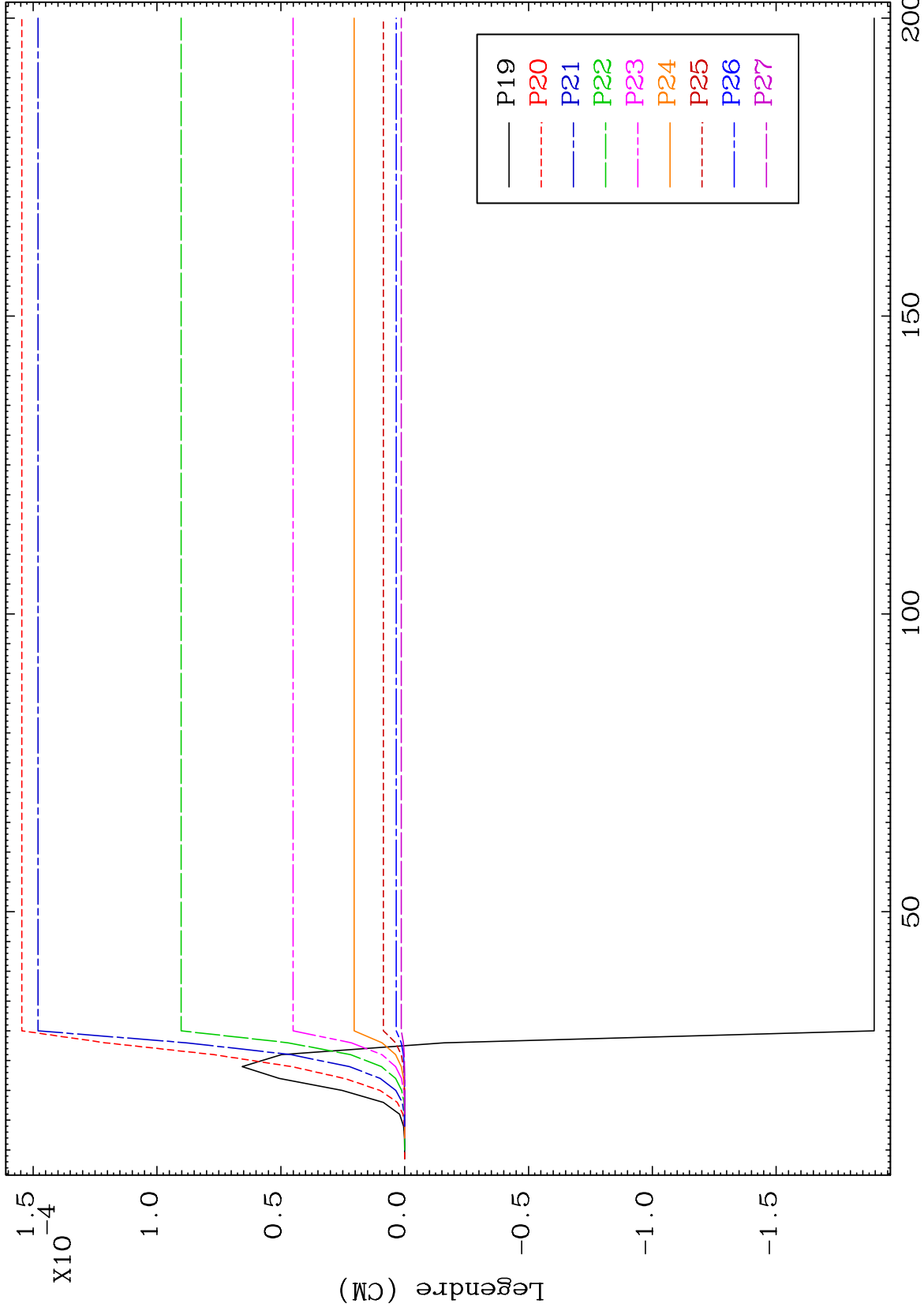
48-Cd-108



48-Cd-108

Incident Energy (MeV)

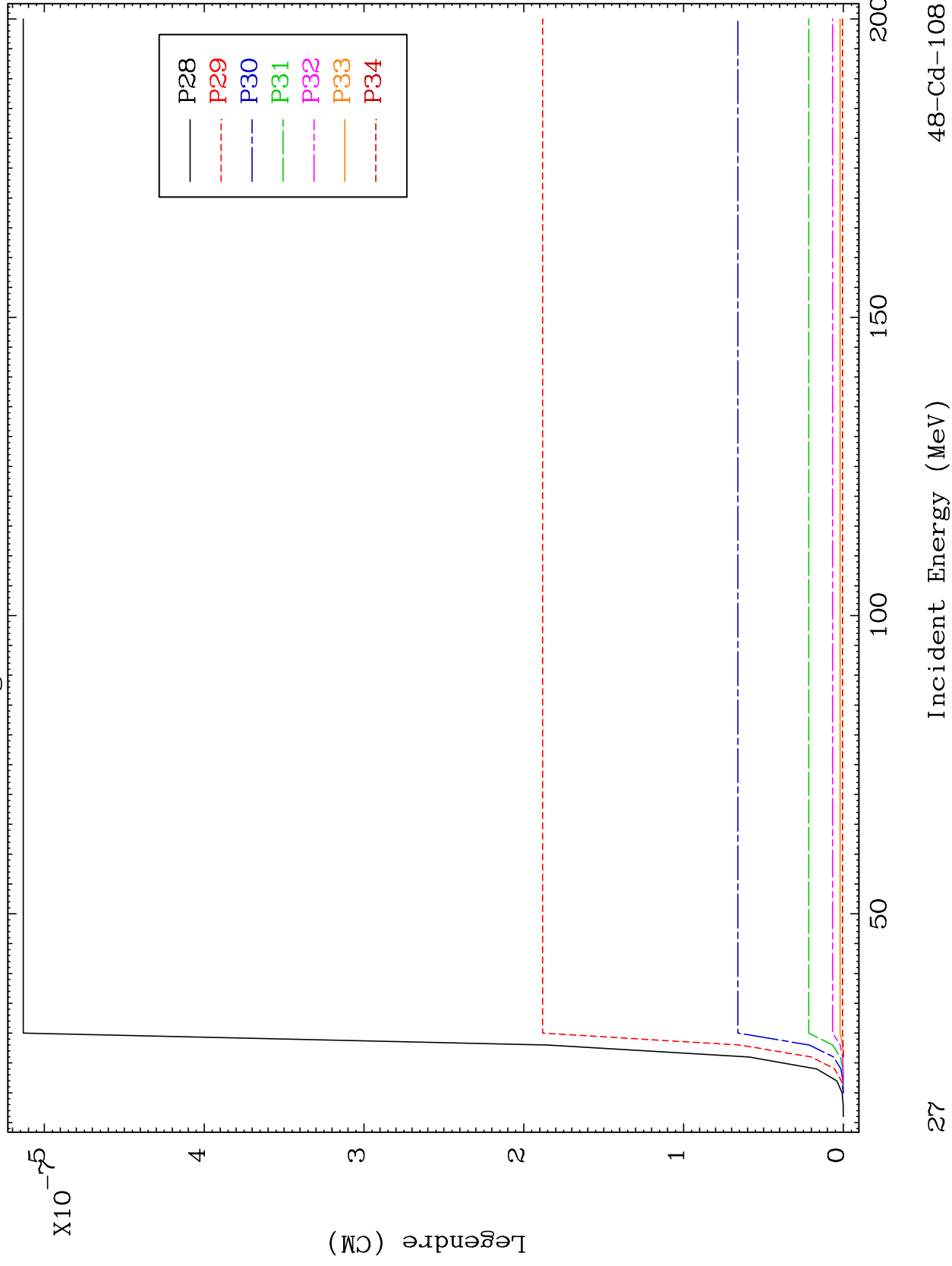
24



MAT 4831

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

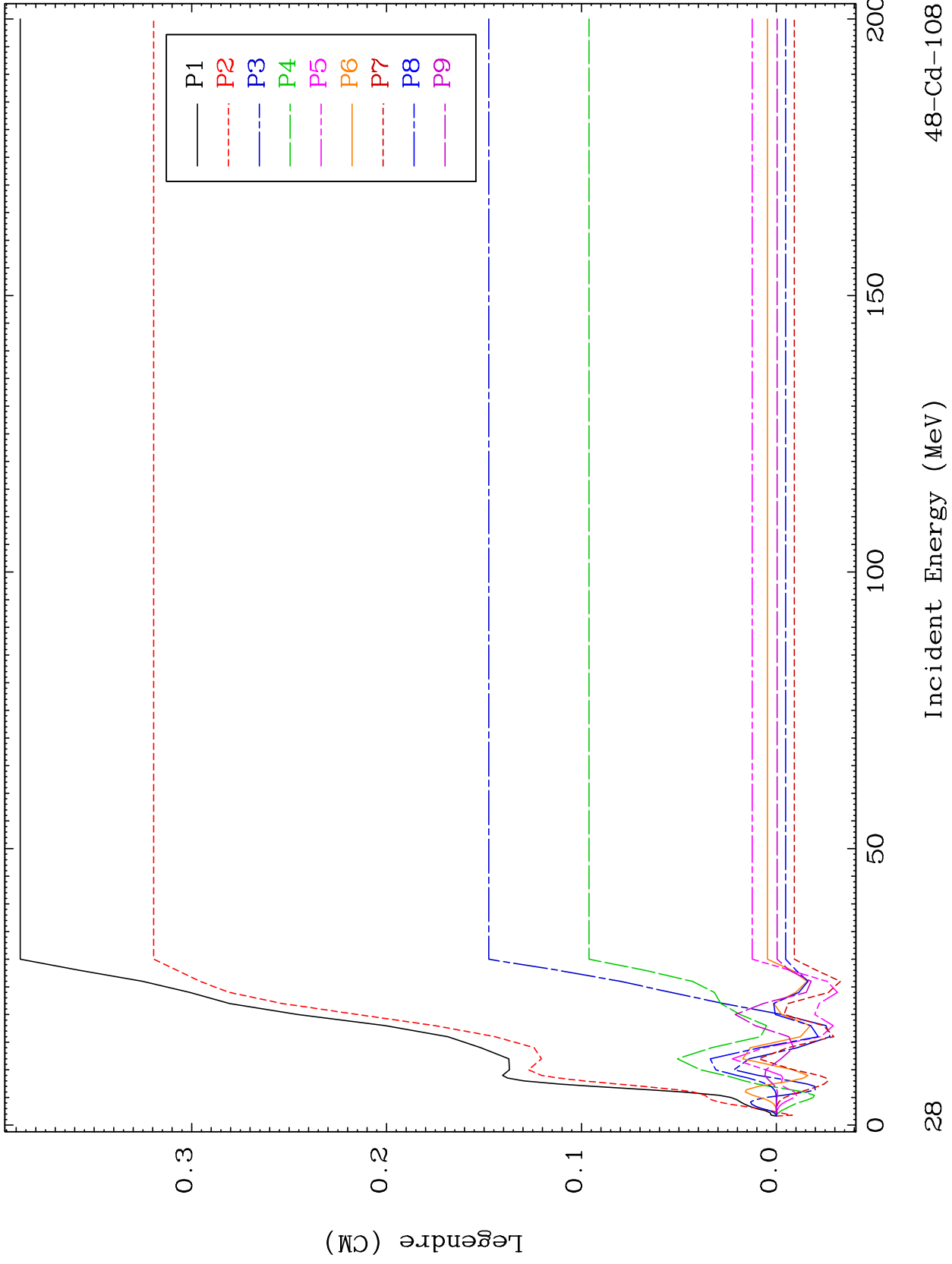
48-Cd-108



MAT 4831

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

48-Cd-108



48-Cd-108

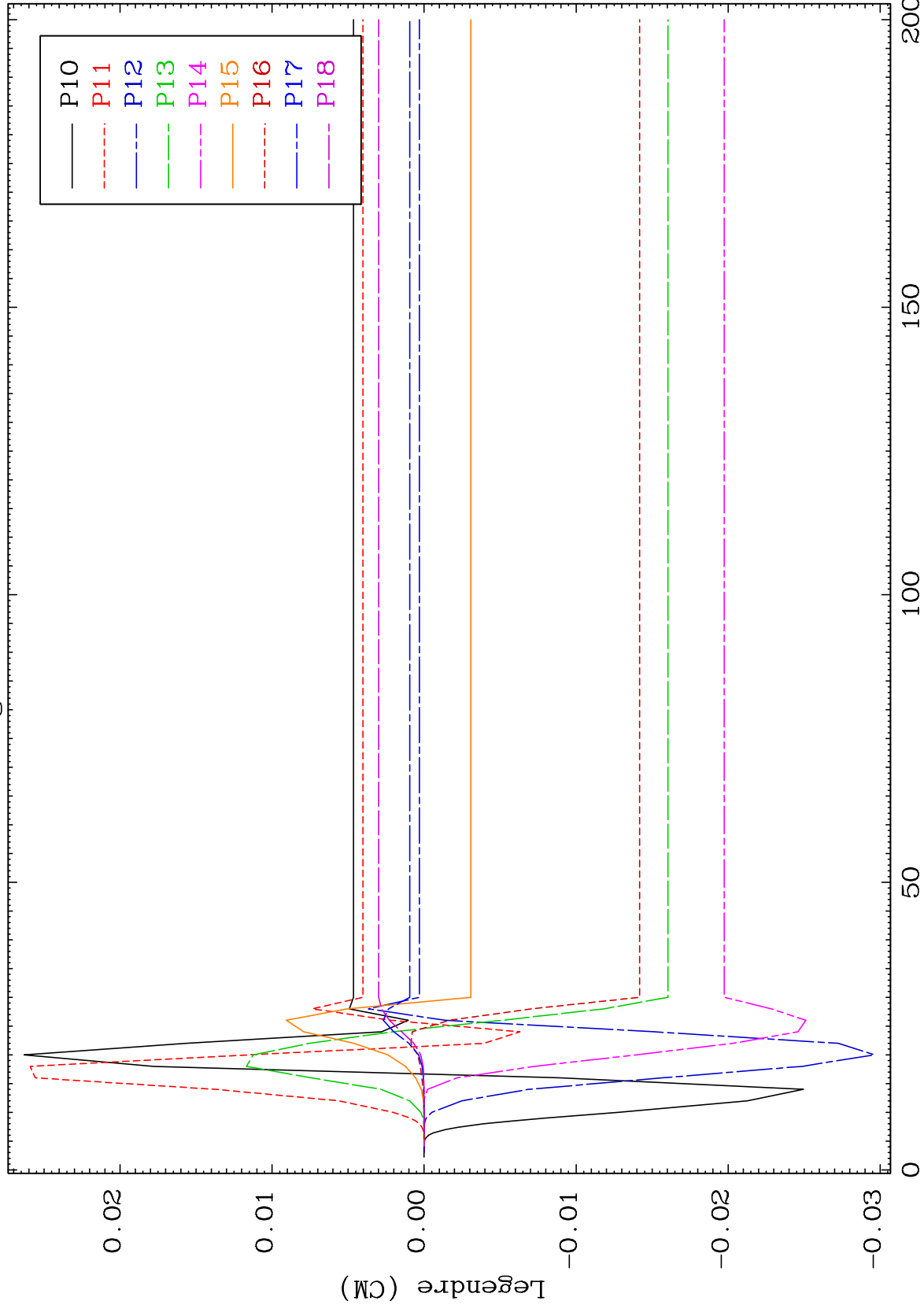
Incident Energy (MeV)

28

MAT 4831

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

48-Cd-108



29

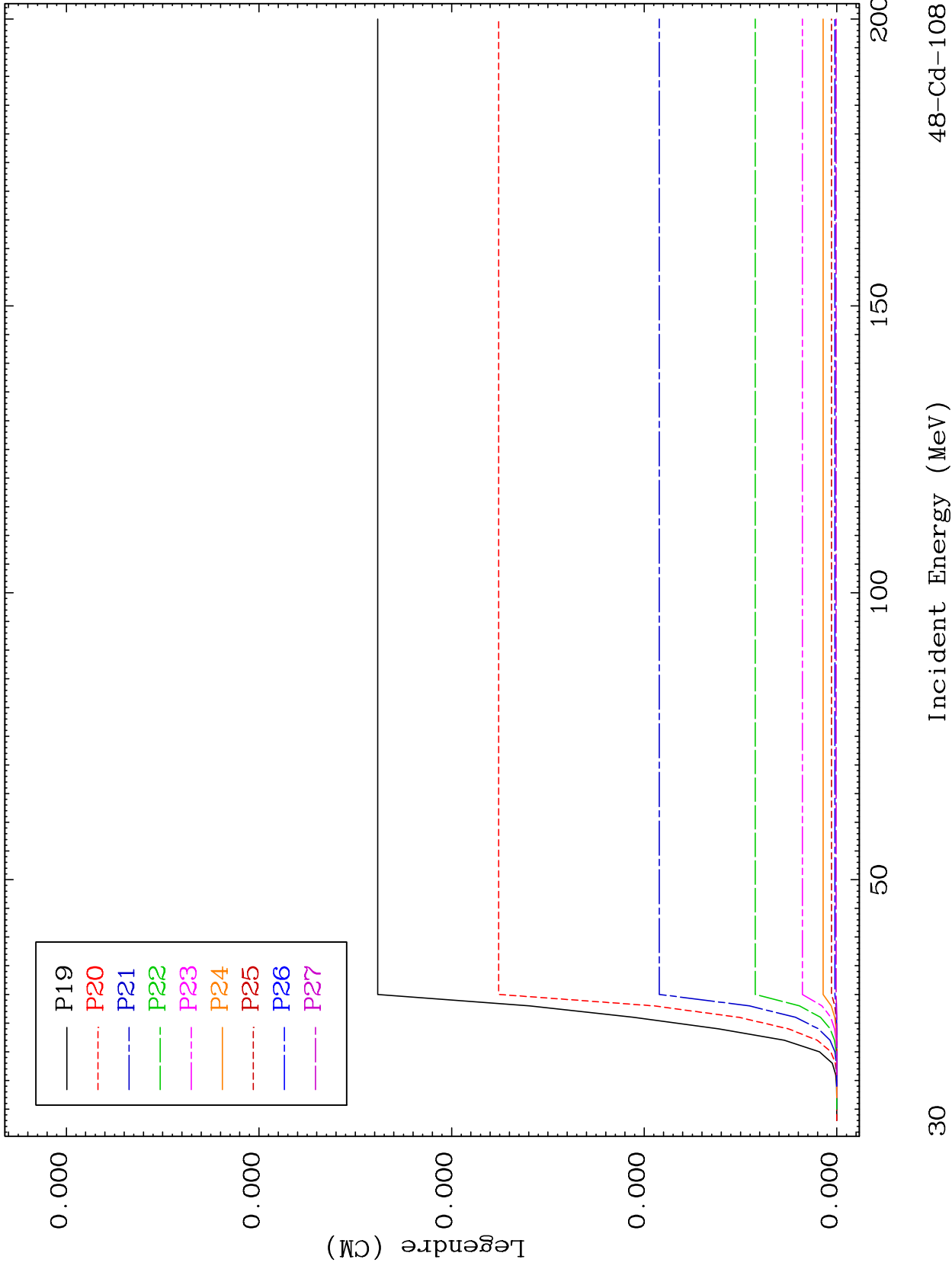
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

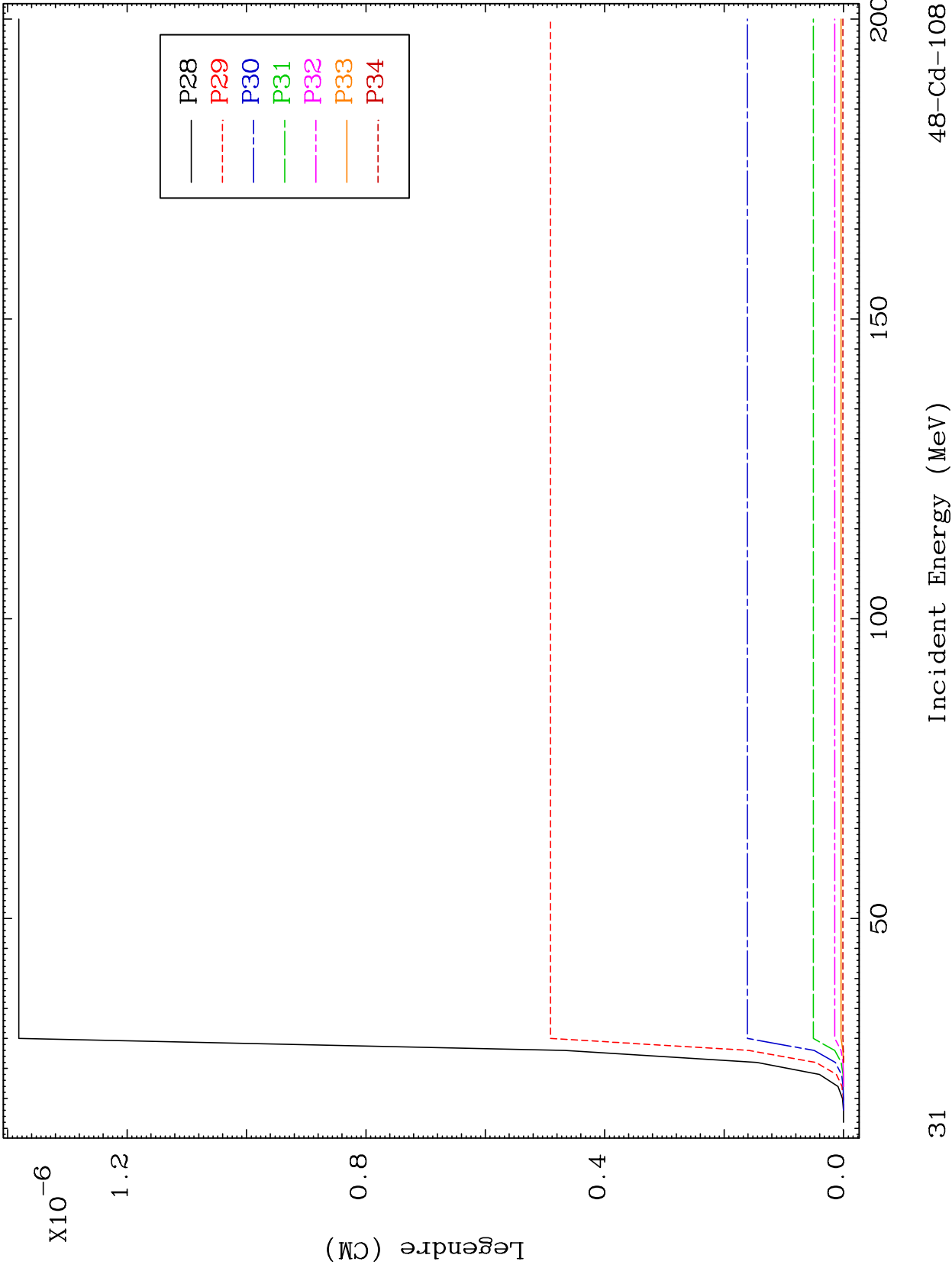
48-Cd-108



MAT 4831

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

48-Cd-108



31

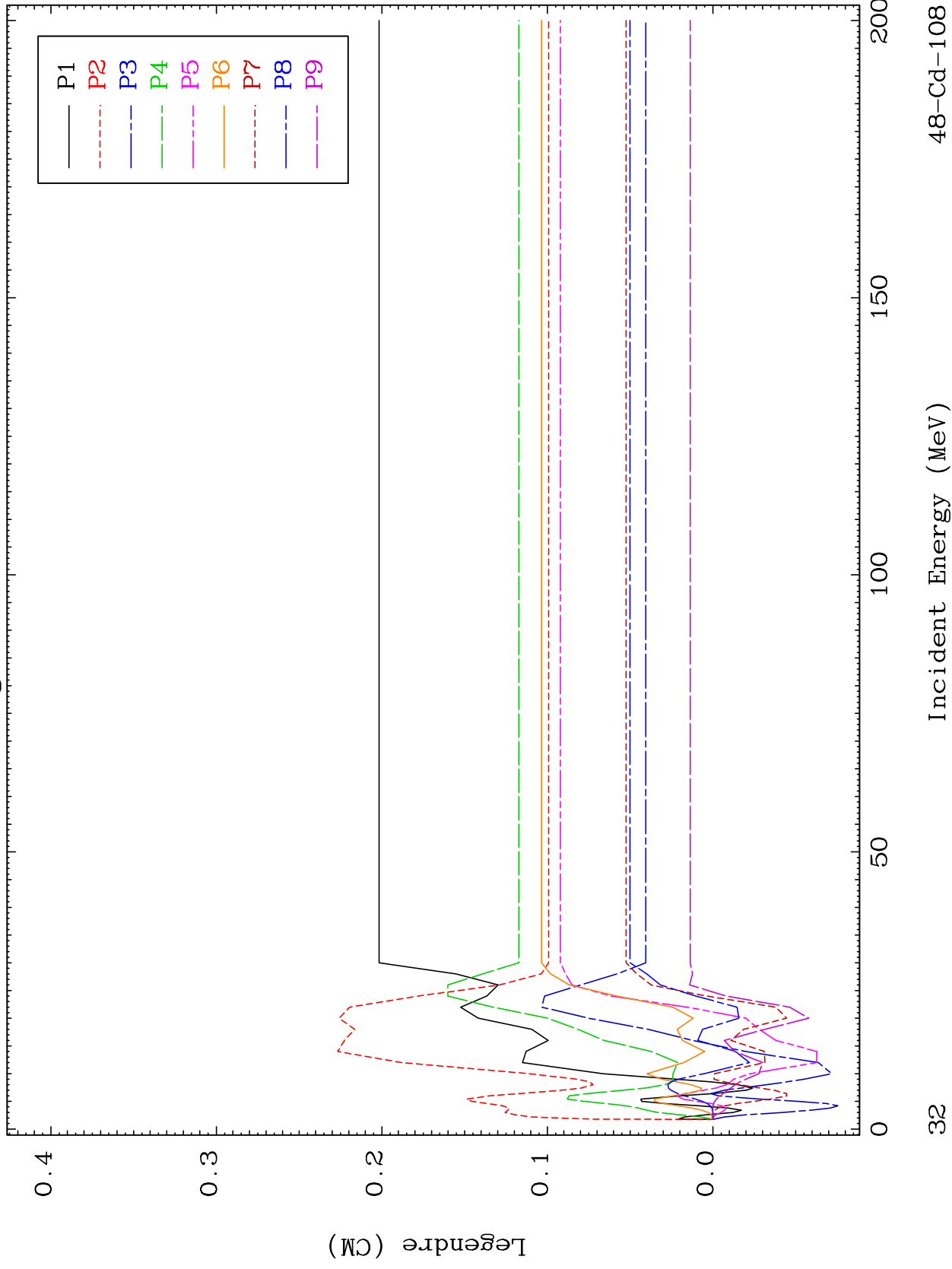
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108



48-Cd-108

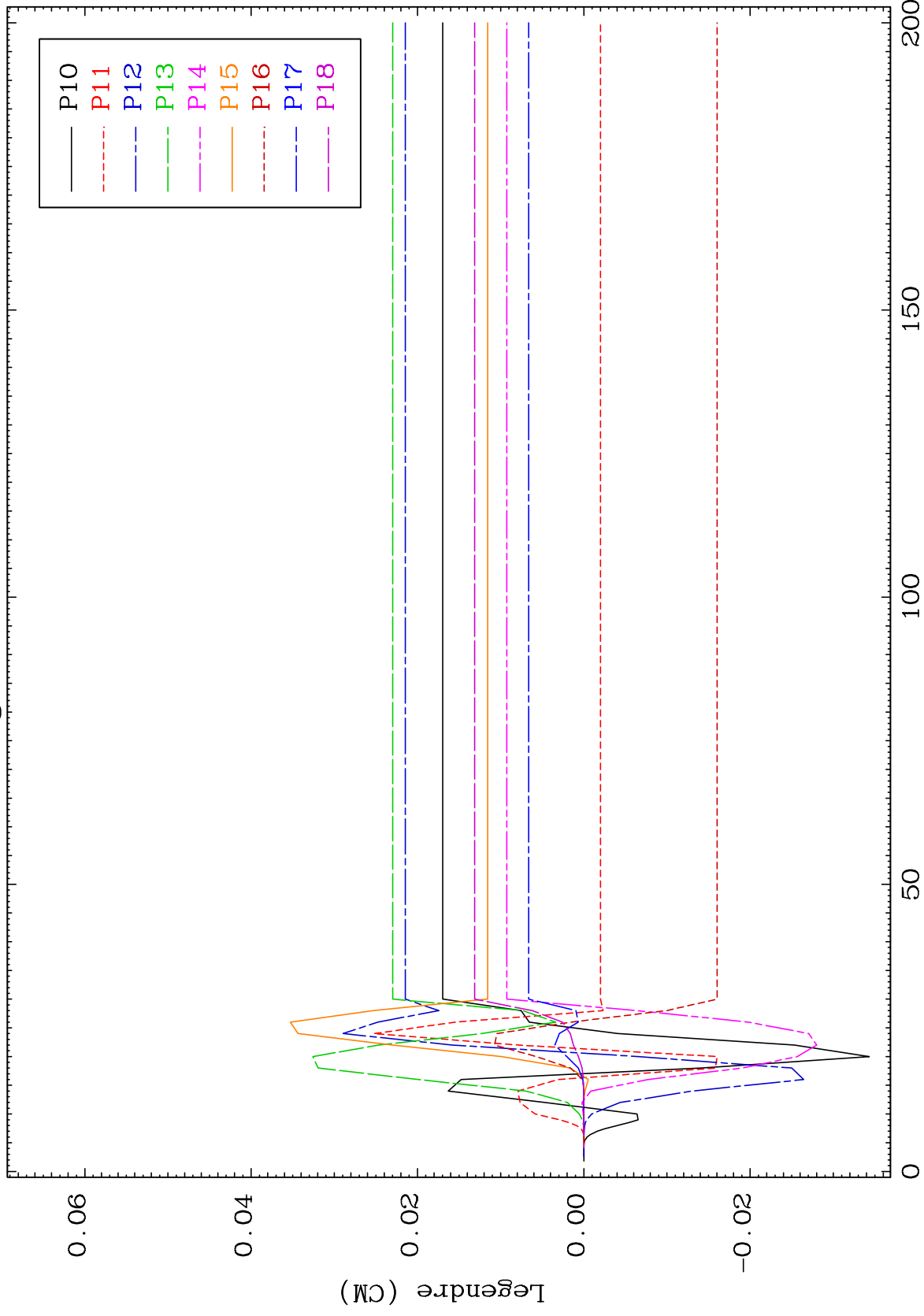
Incident Energy (MeV)

32

MAT 4831

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

48-Cd-108



33

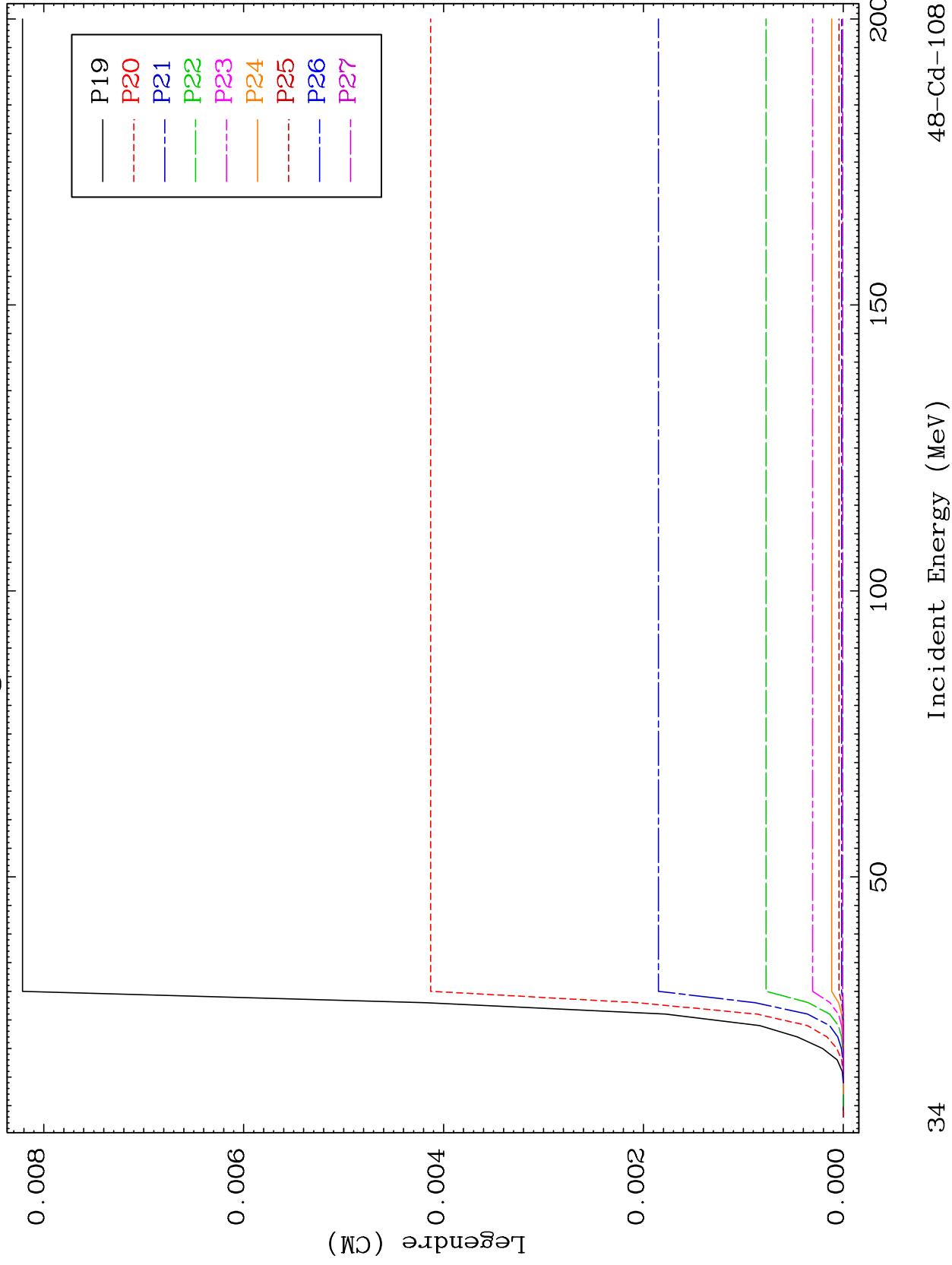
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108



34

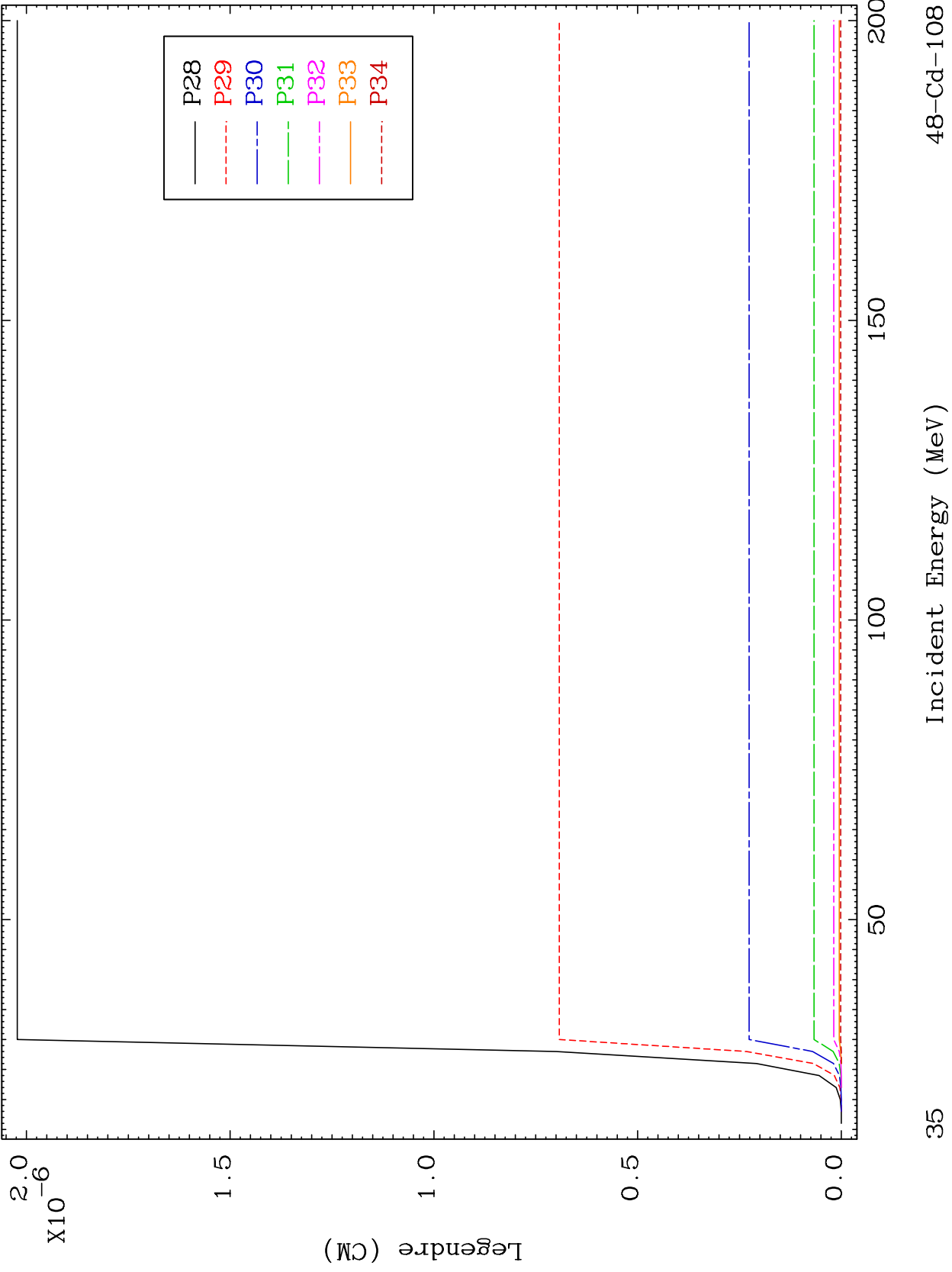
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108



35

Incident Energy (MeV)

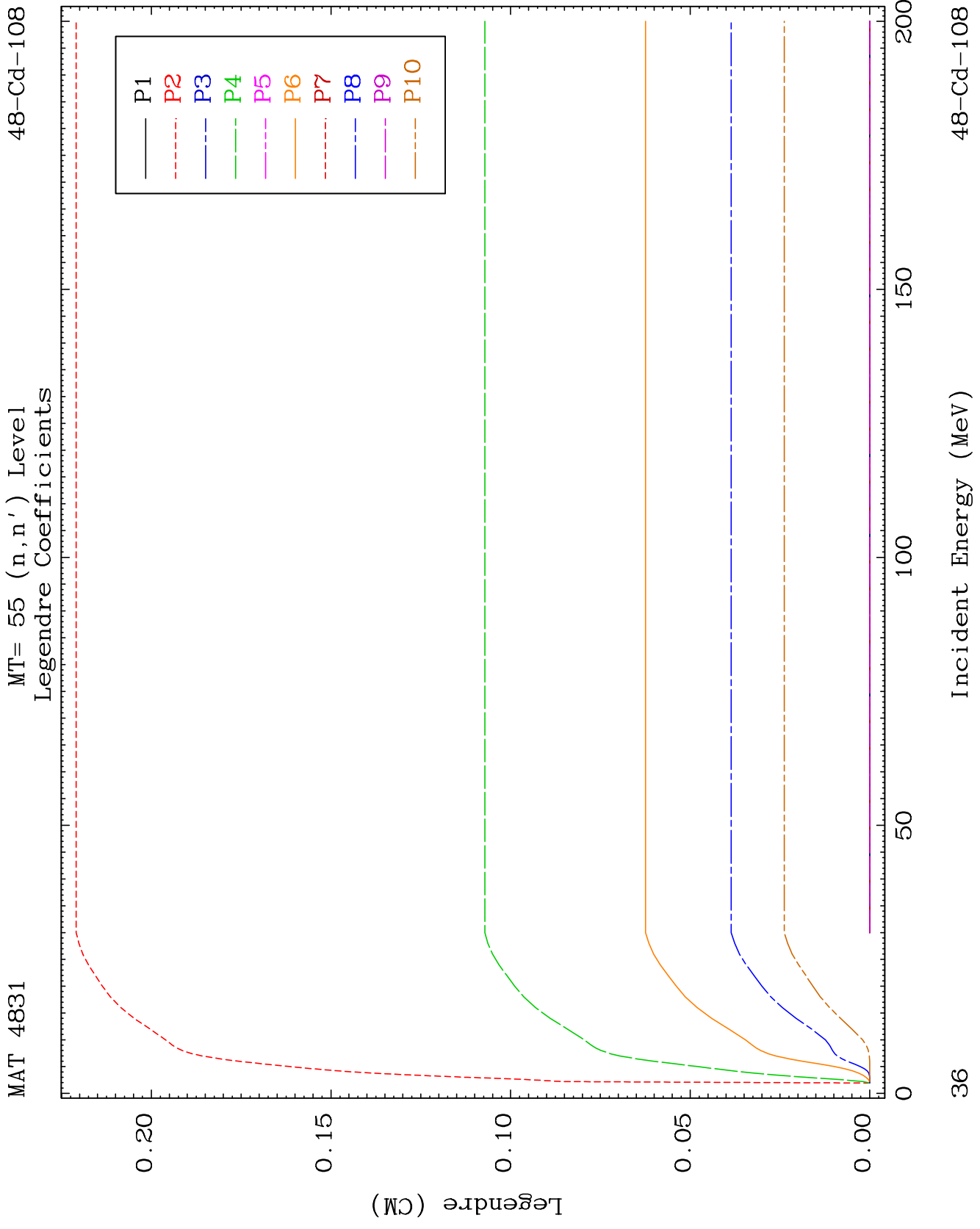
48-Cd-108

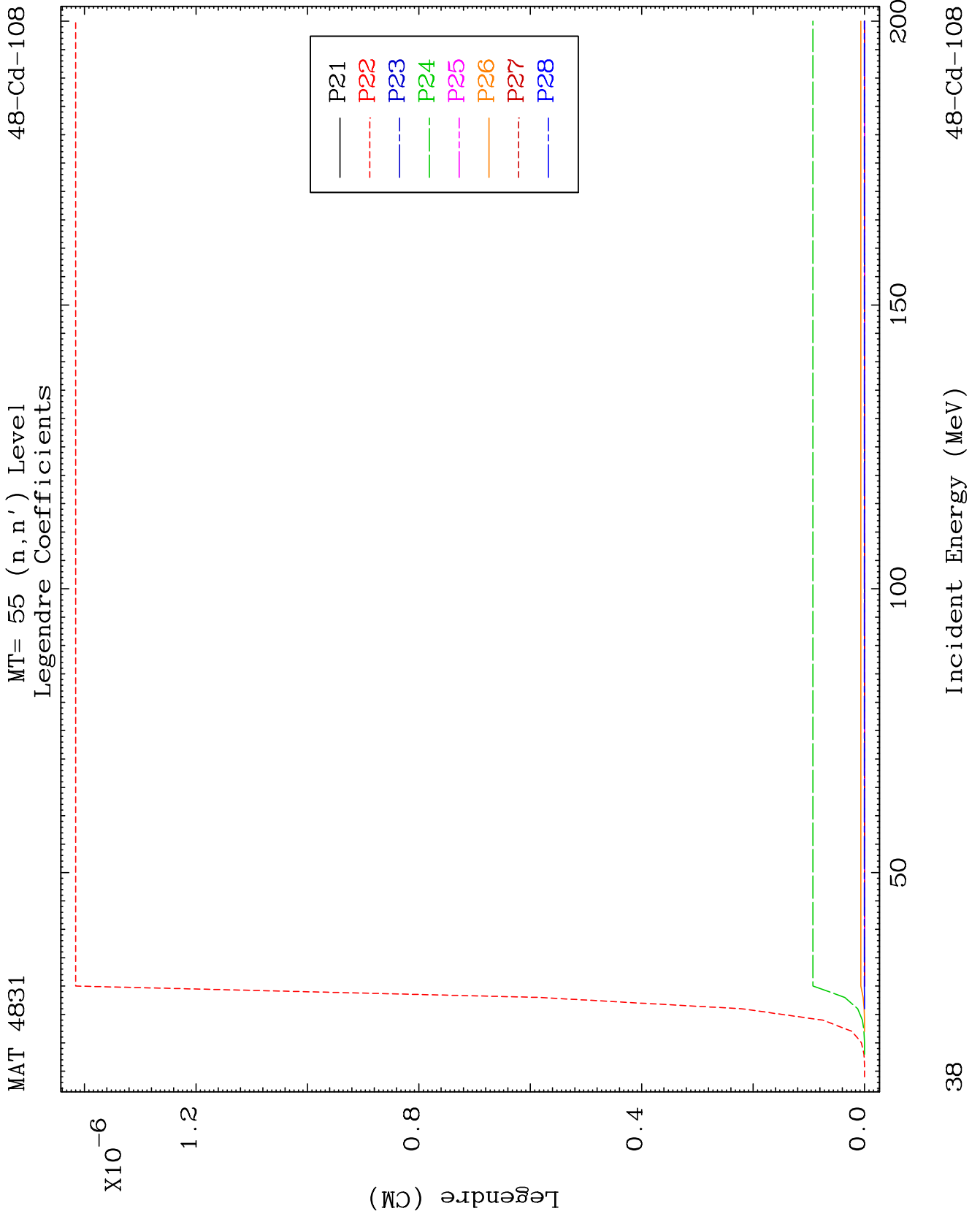
200

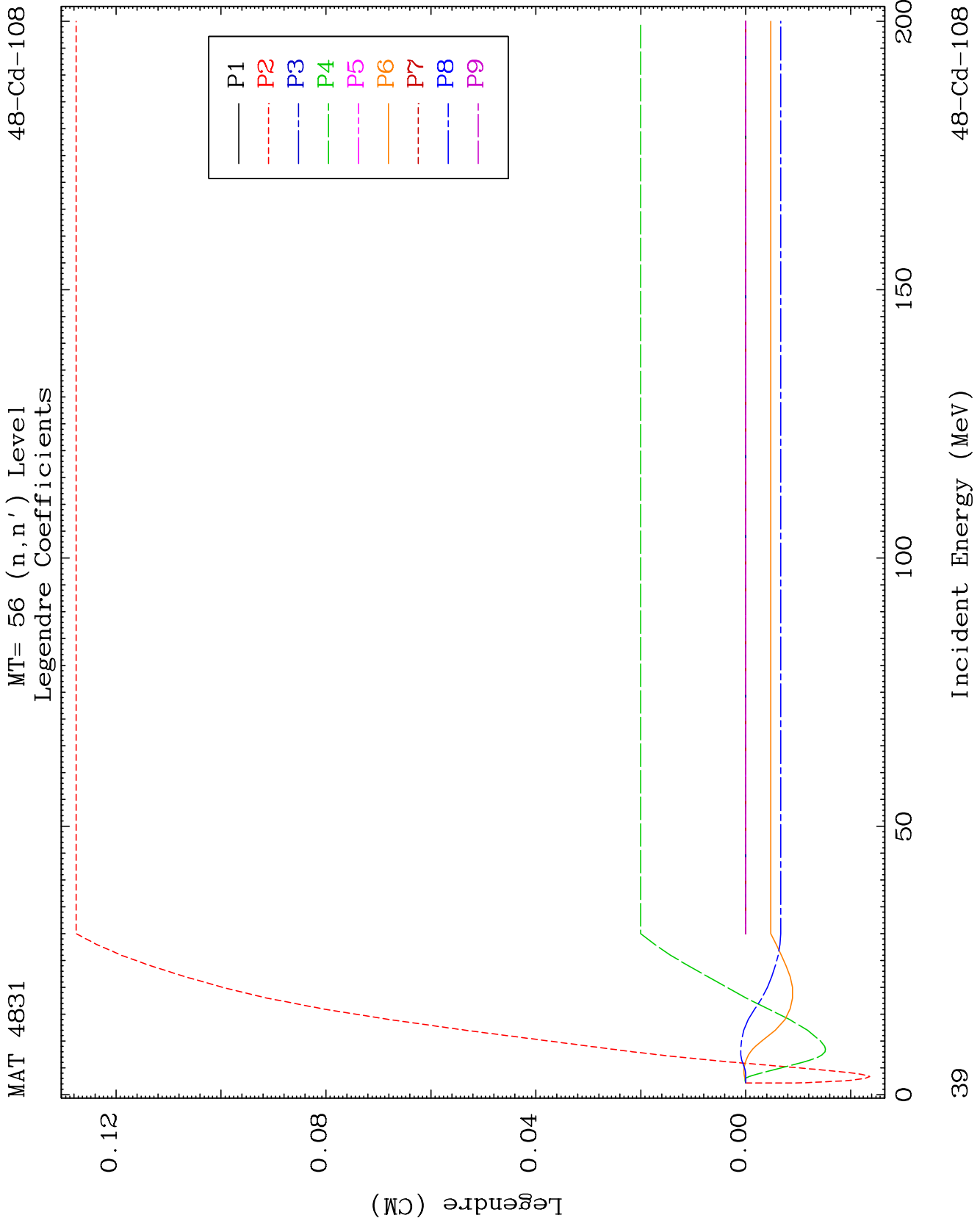
150

100

50



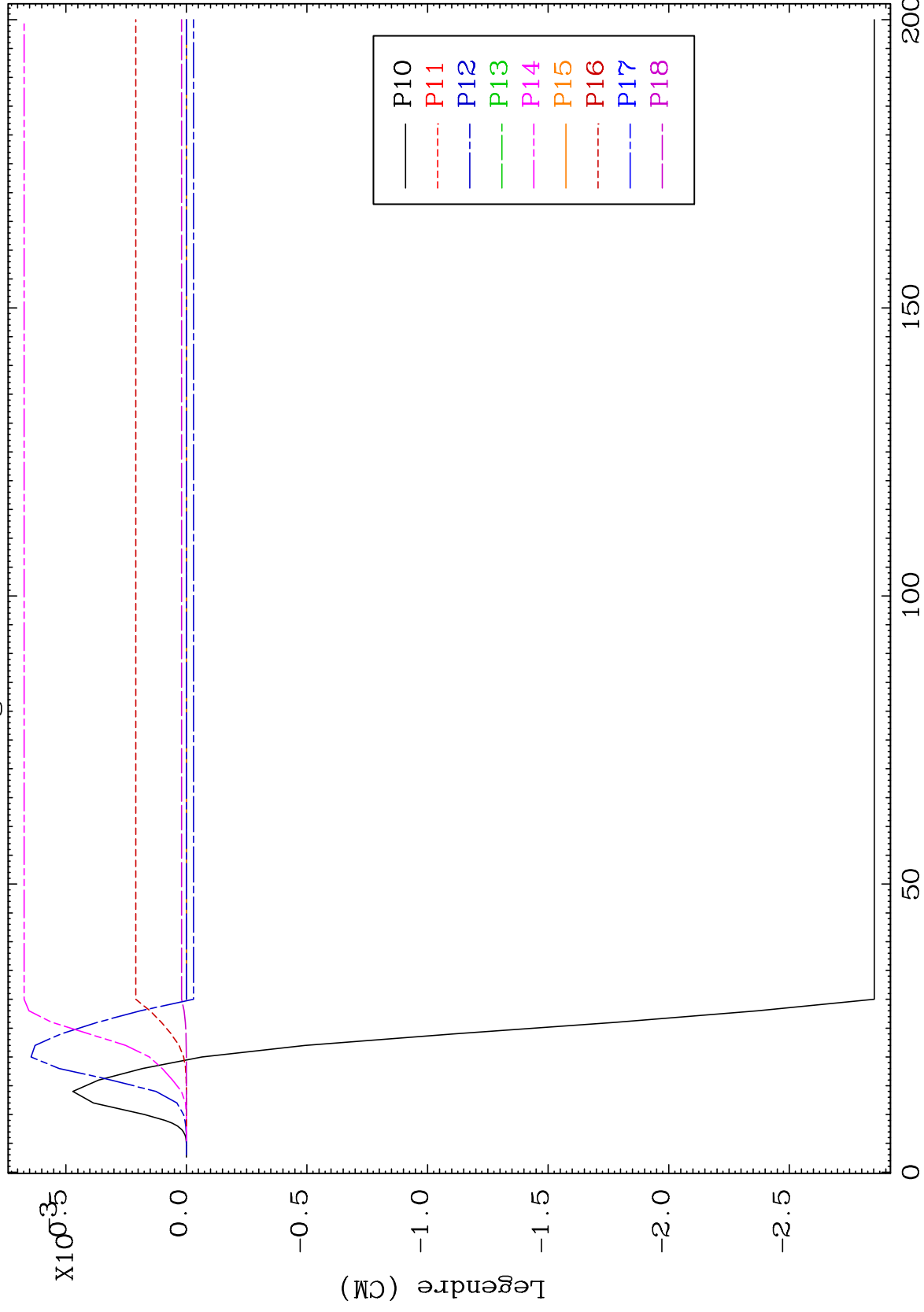




MAT 4831

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

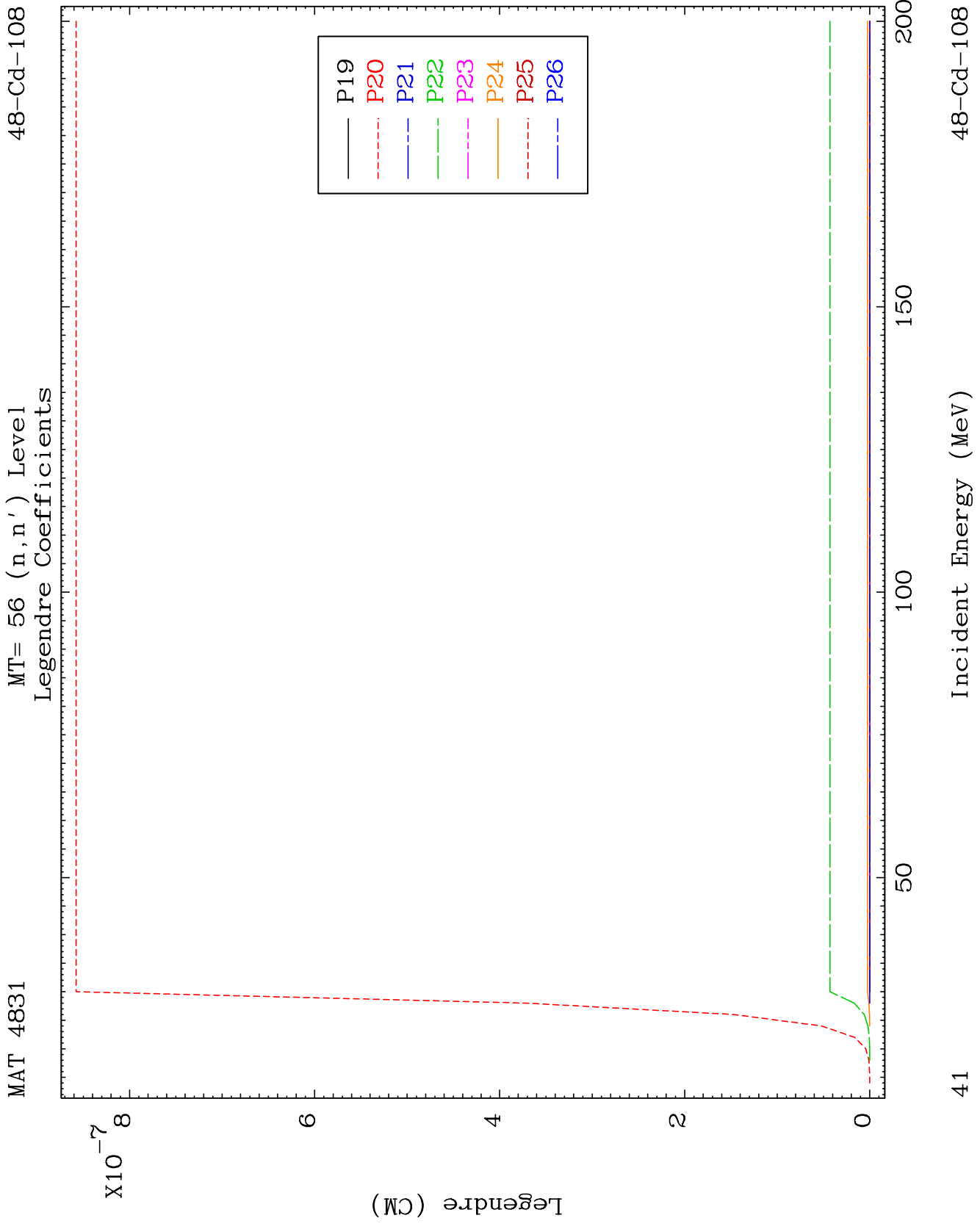
48-Cd-108



40

Incident Energy (MeV)

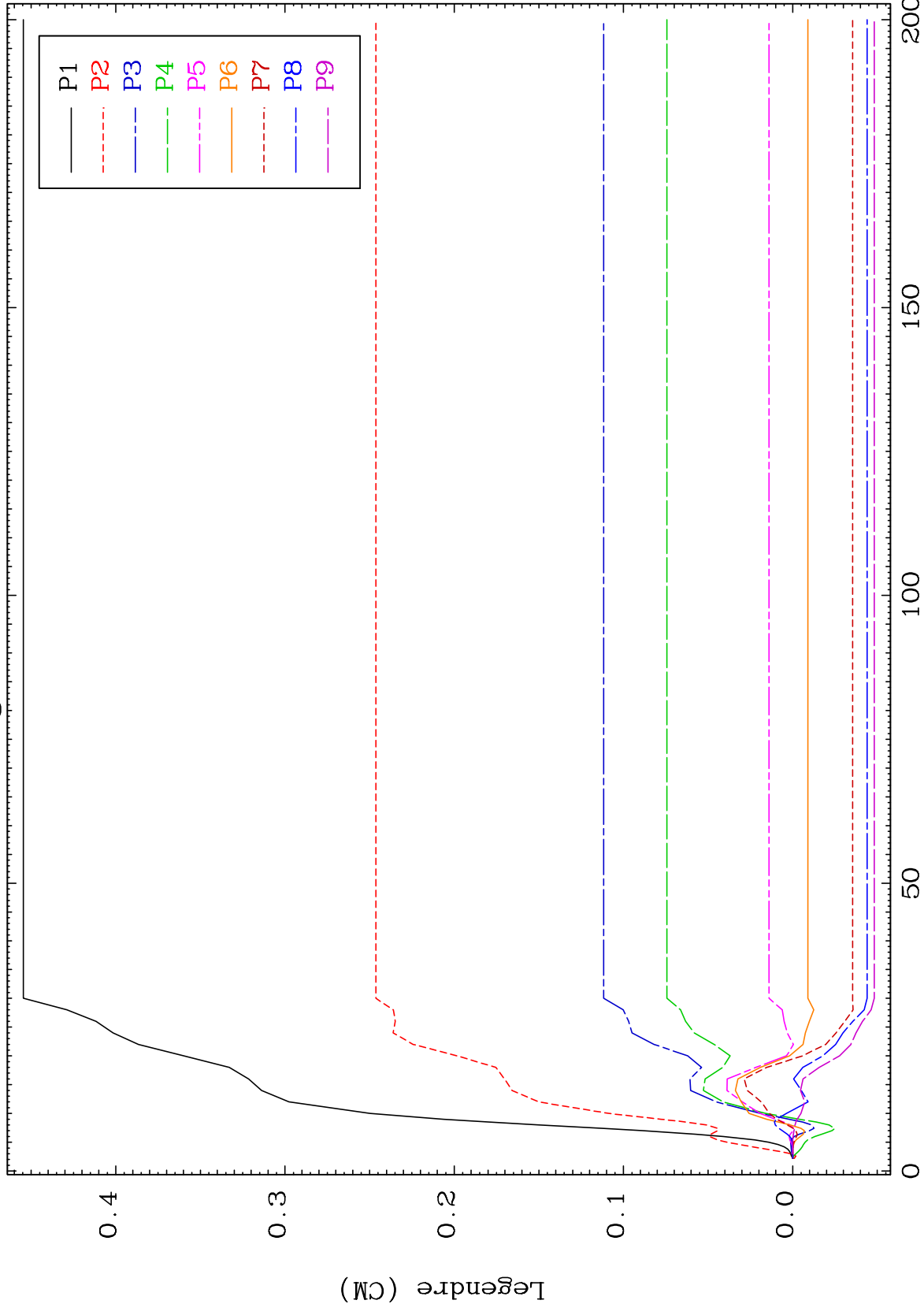
48-Cd-108



MAT 4831

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

48-Cd-108



48-Cd-108

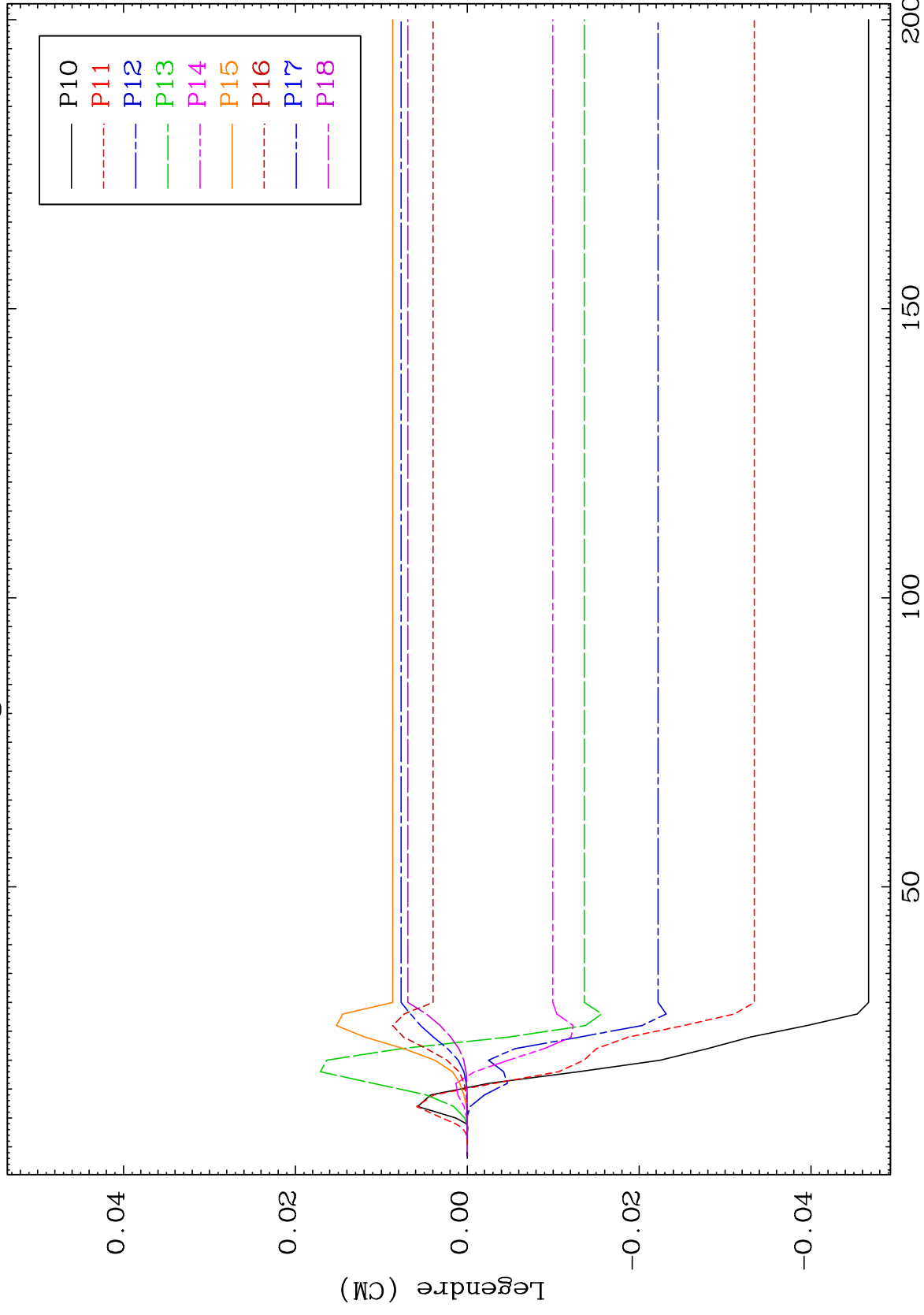
Incident Energy (MeV)

42

MAT 4831

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

48-Cd-108



43

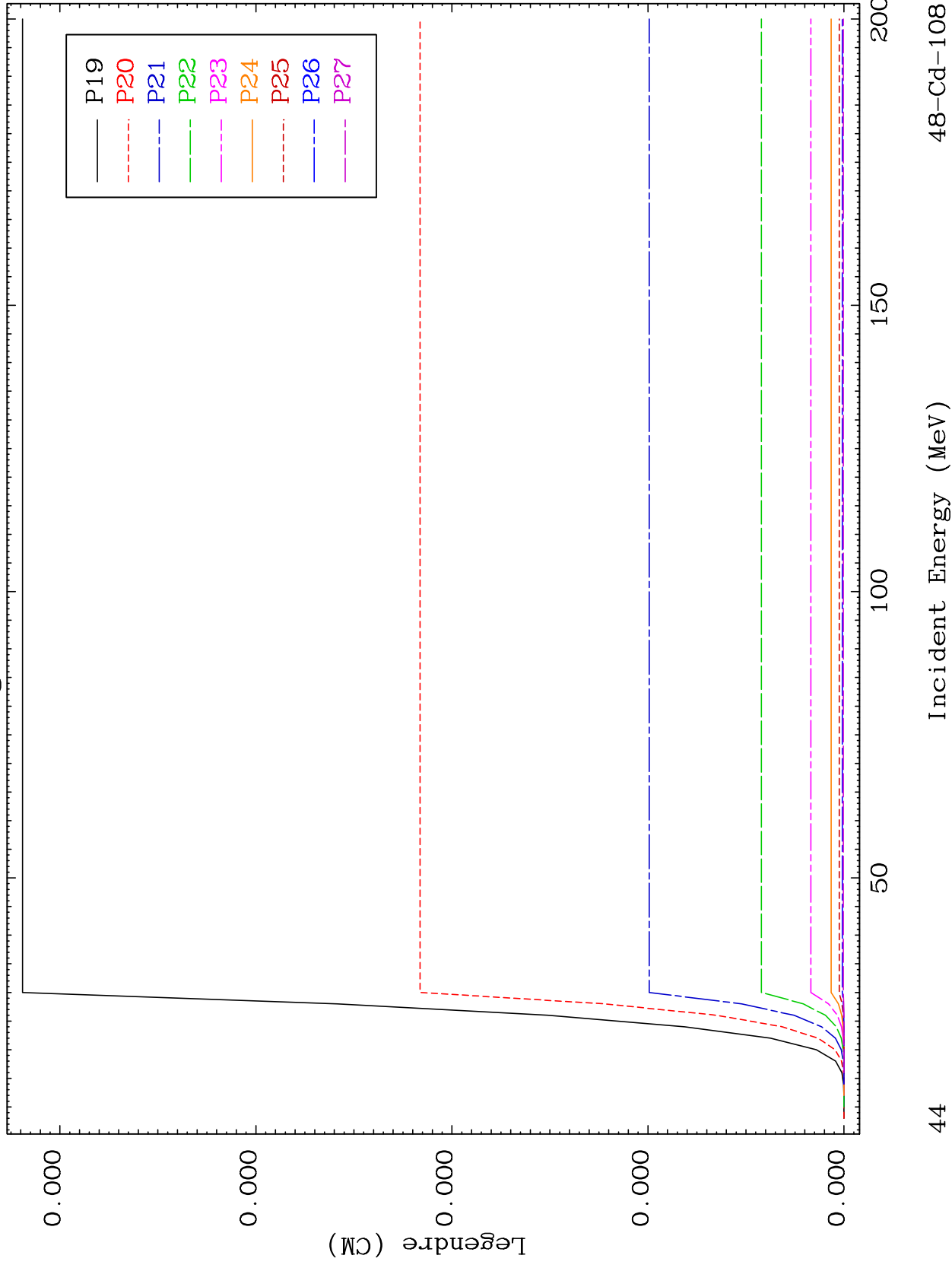
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108

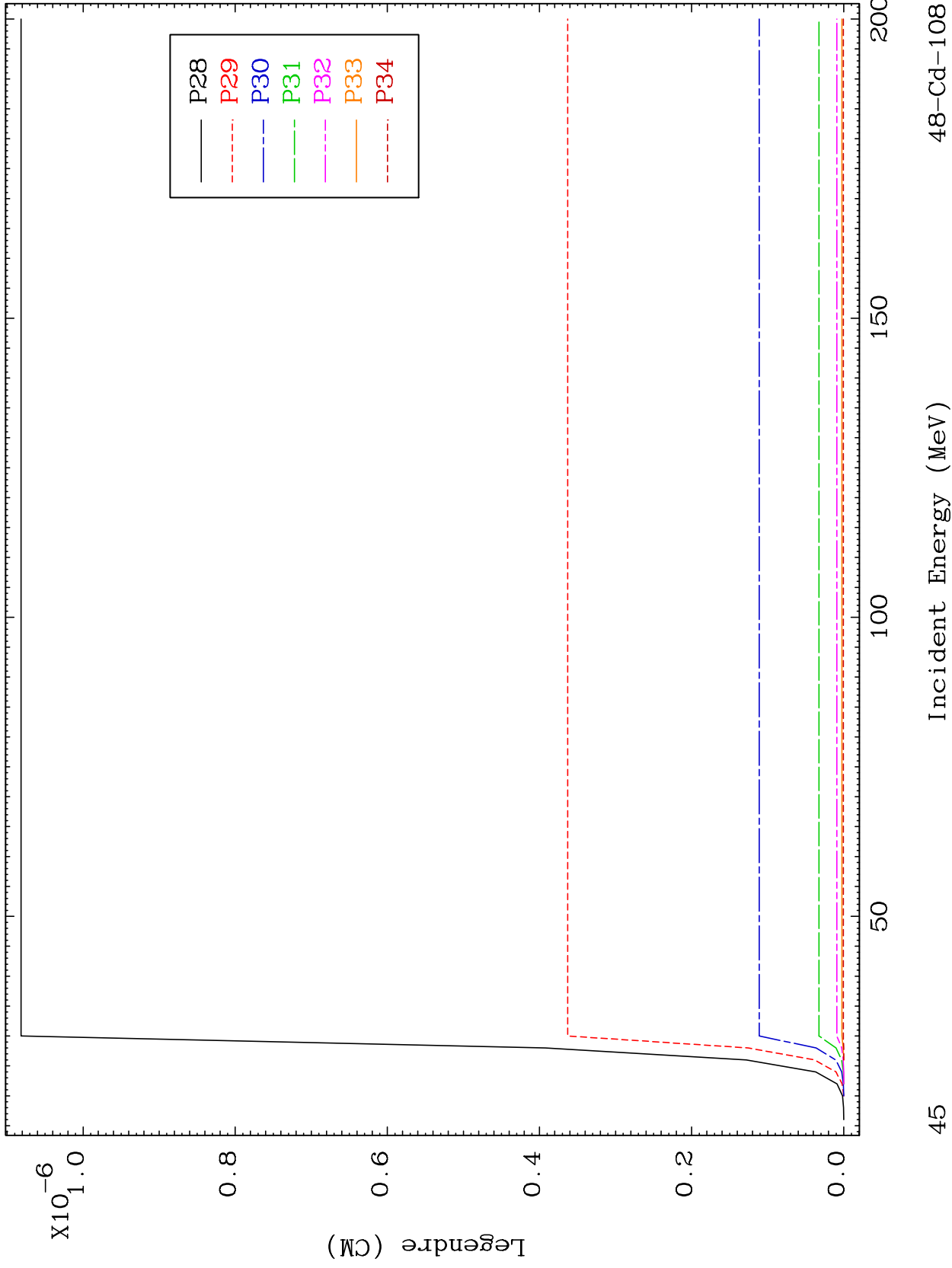


44

MAT 4831

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

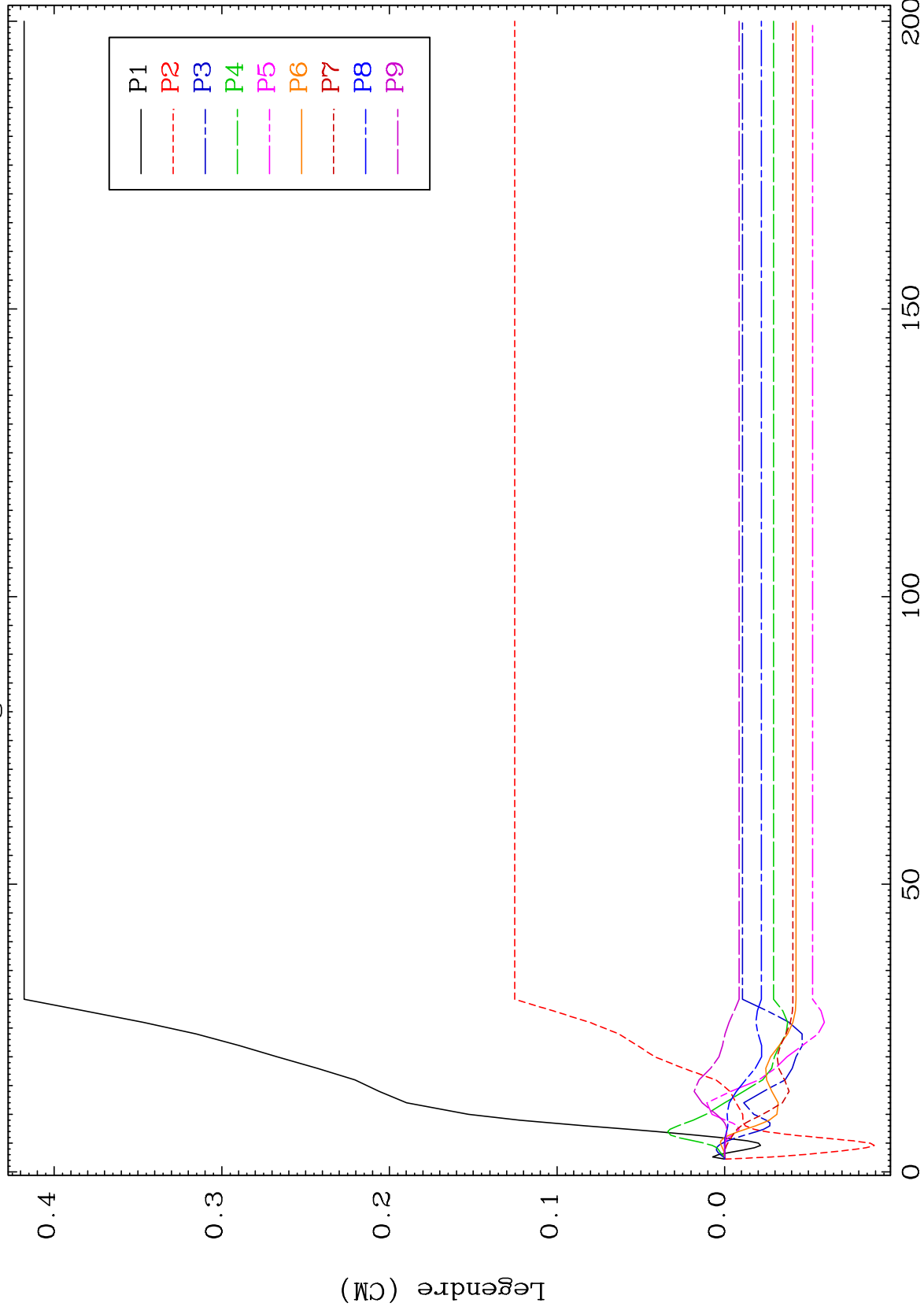
48-Cd-108



MAT 4831

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

48-Cd-108



46

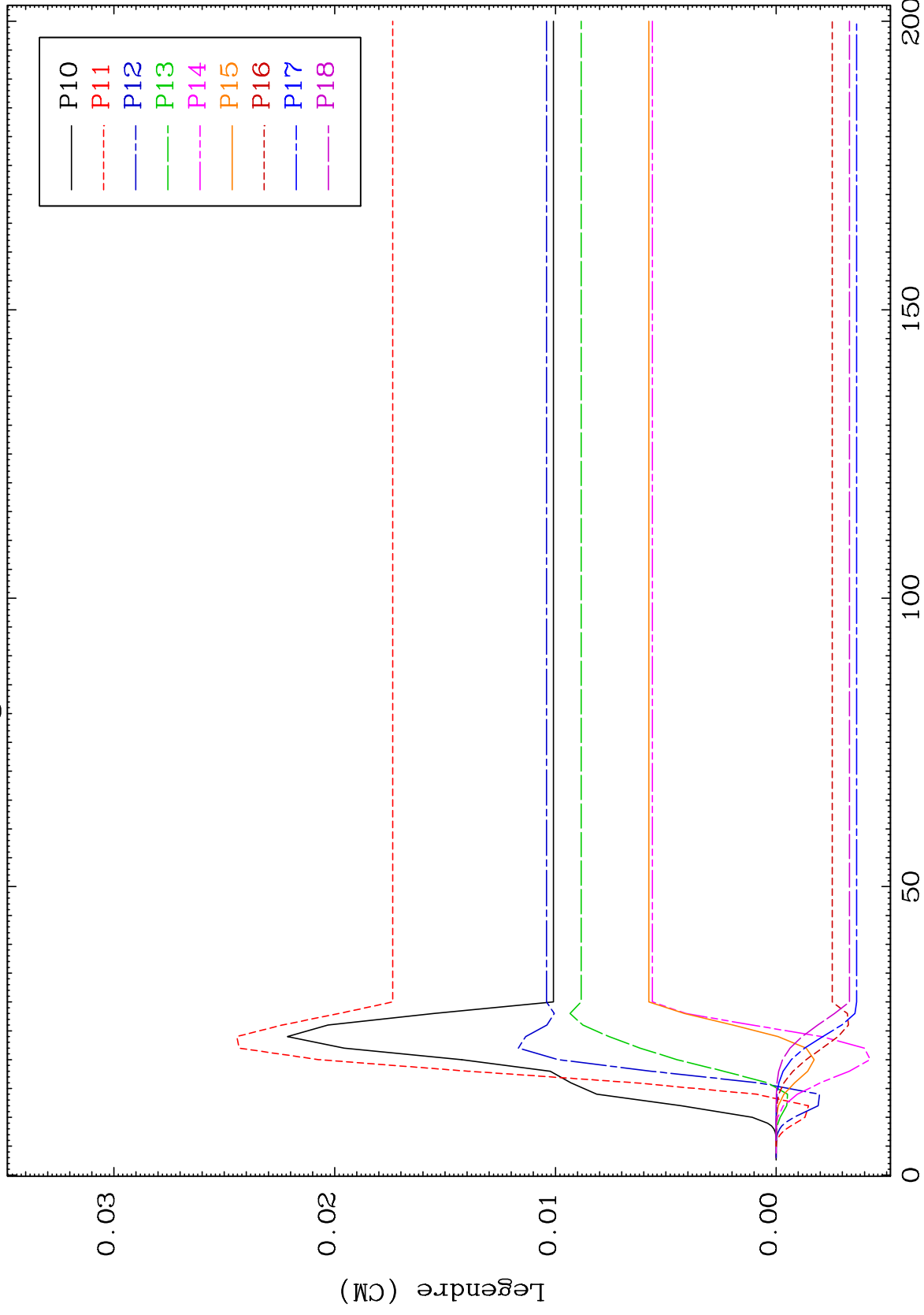
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

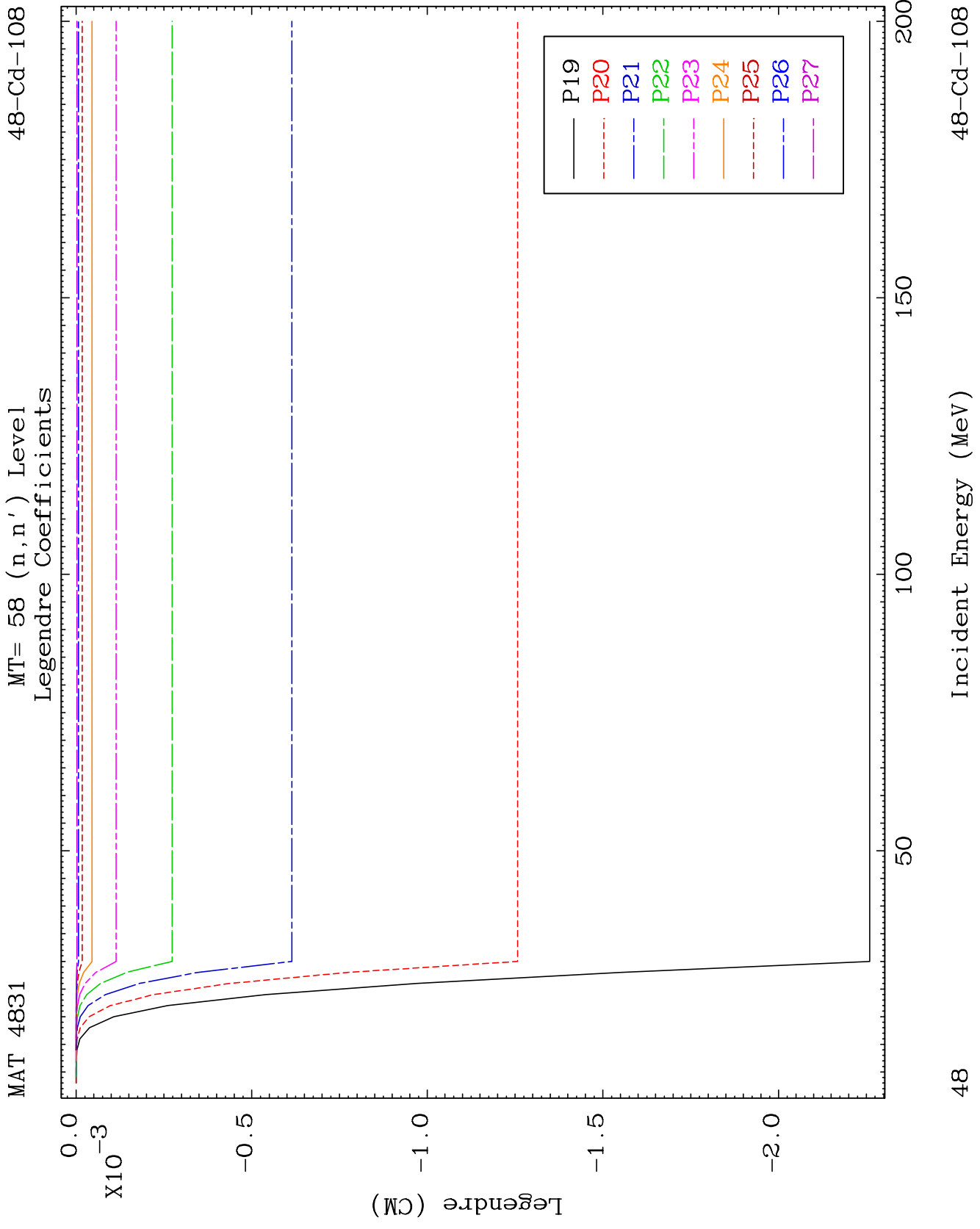
48-Cd-108

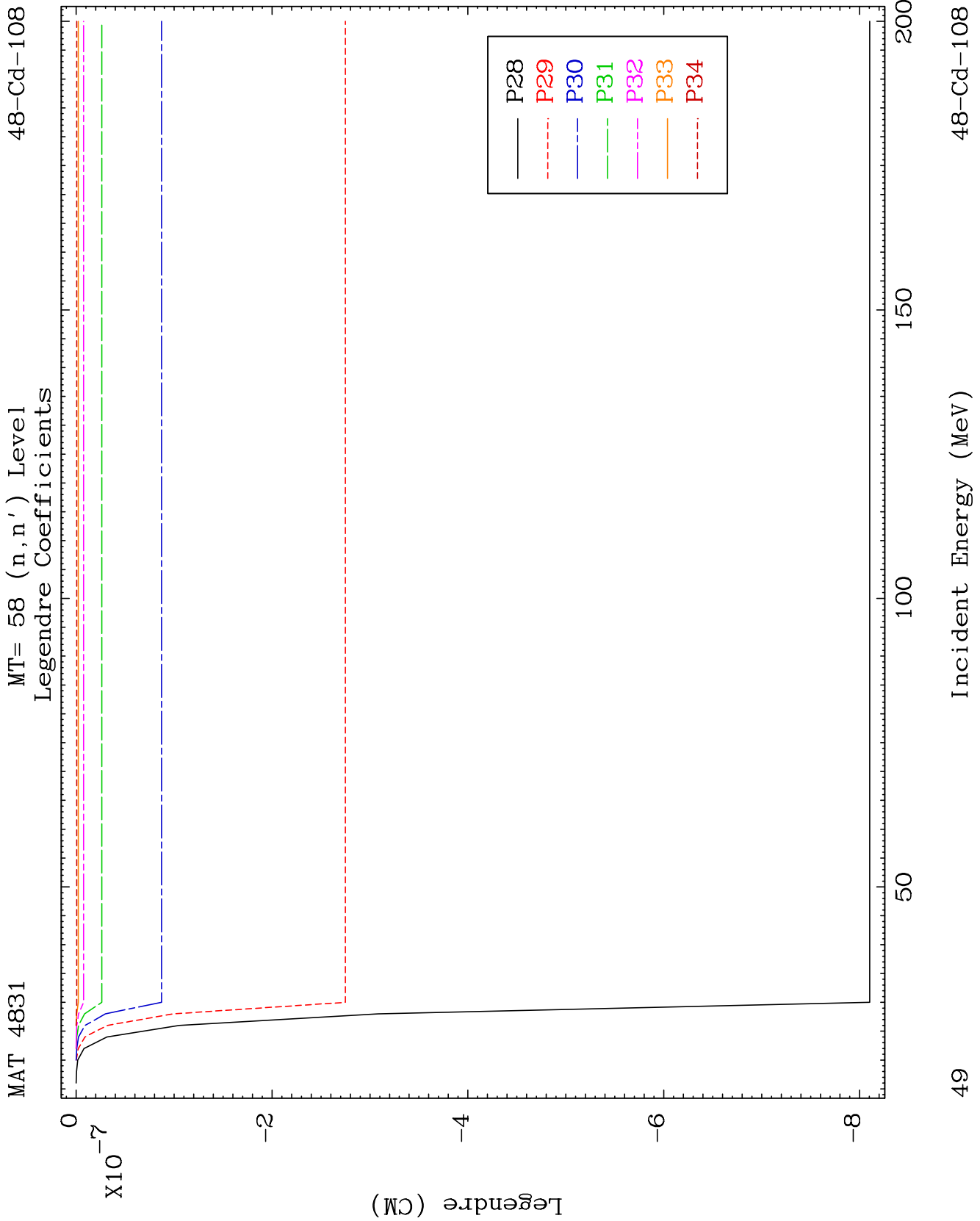


47

Incident Energy (MeV)

48-Cd-108

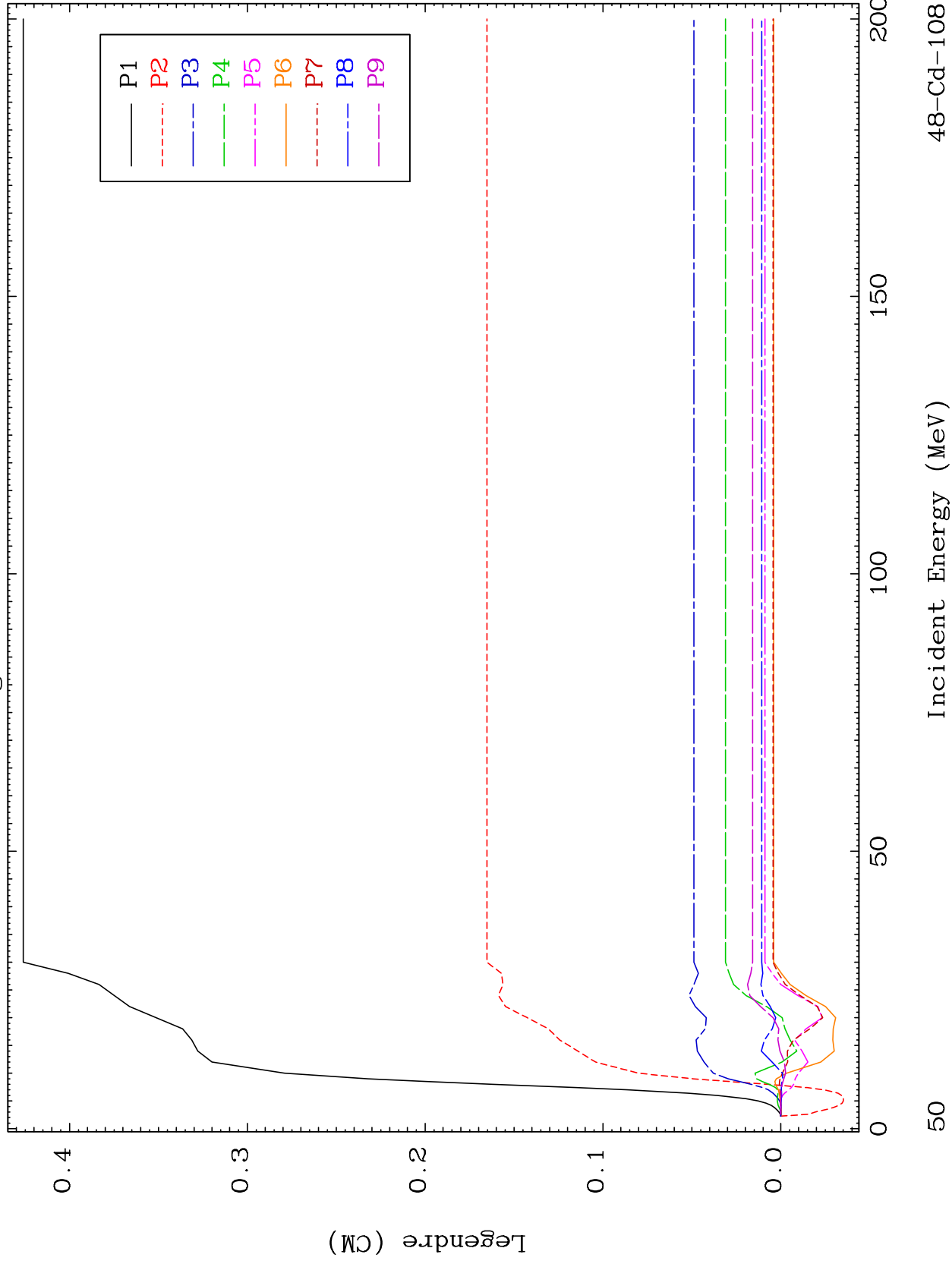




MAT 4831

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

48-Cd-108



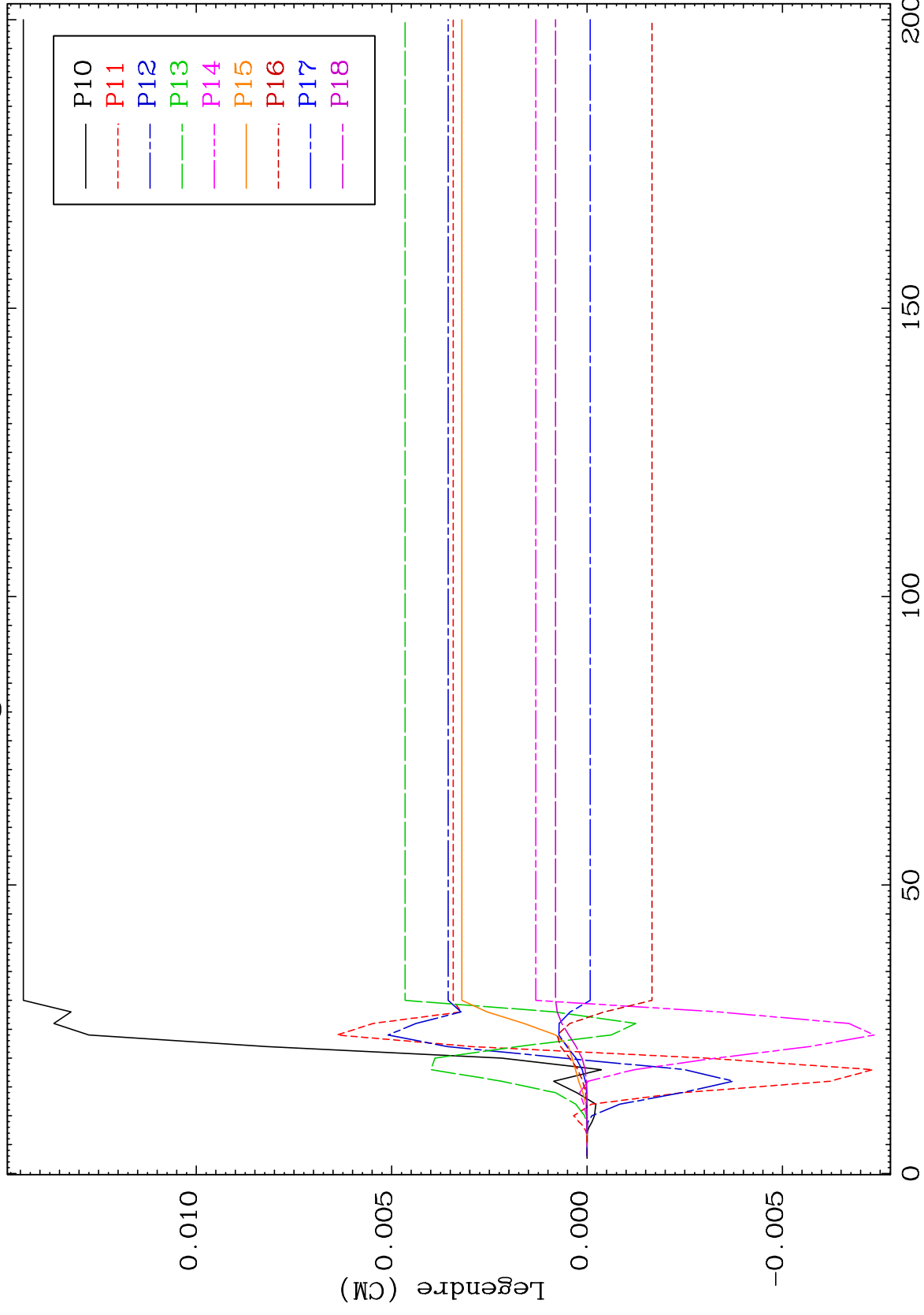
48-Cd-108

Incident Energy (MeV)

MAT 4831

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

48-Cd-108



51

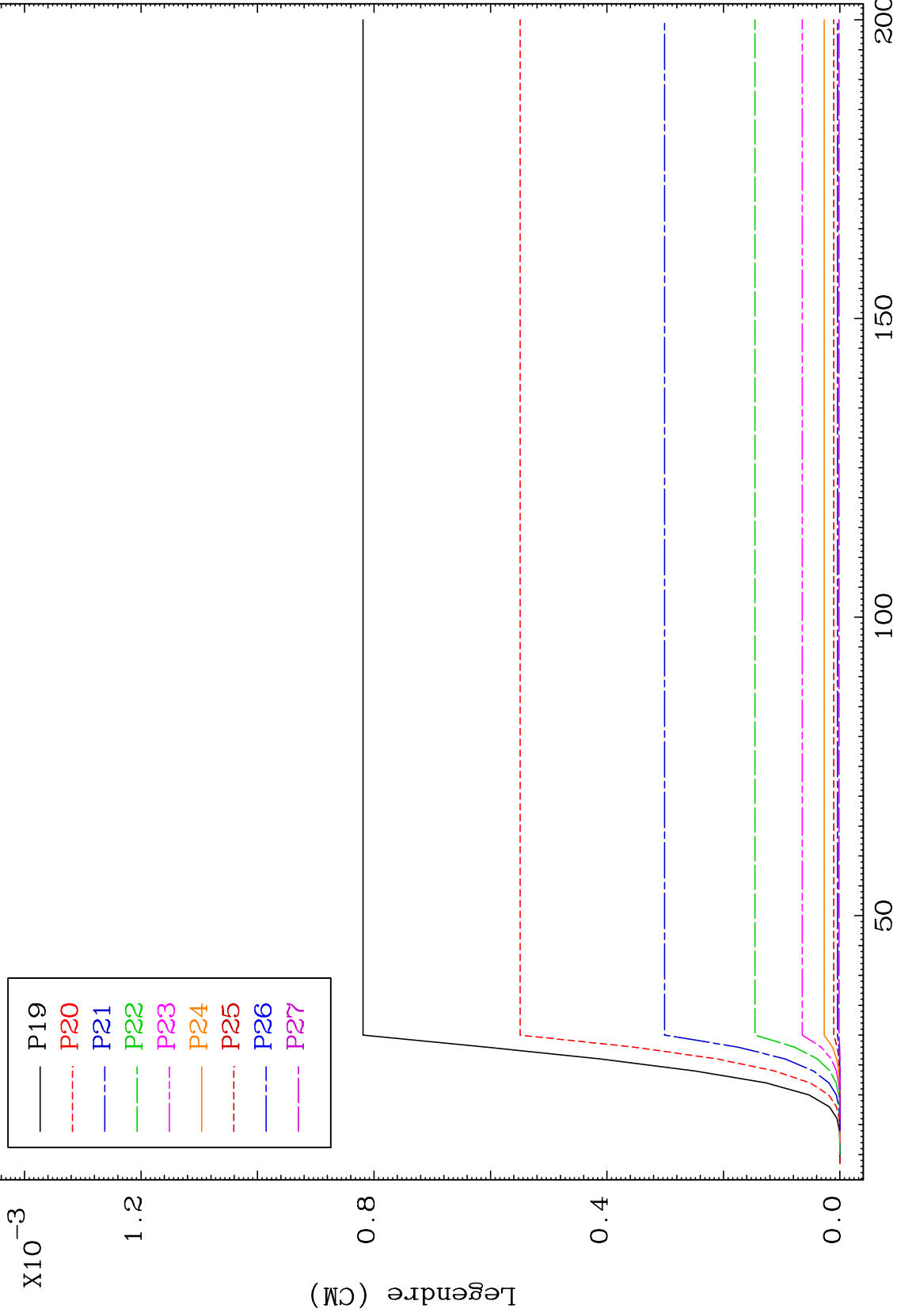
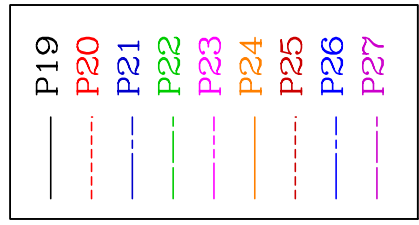
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108



52

Incident Energy (MeV)

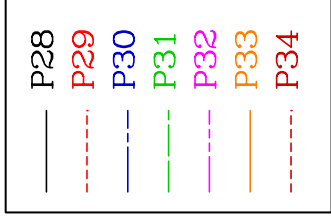
48-Cd-108

MAT 4831

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

48-Cd-108

$\times 10^{-7}$



Legendre (CM)

5 4 3 2 1 0

50 100 150 200

53

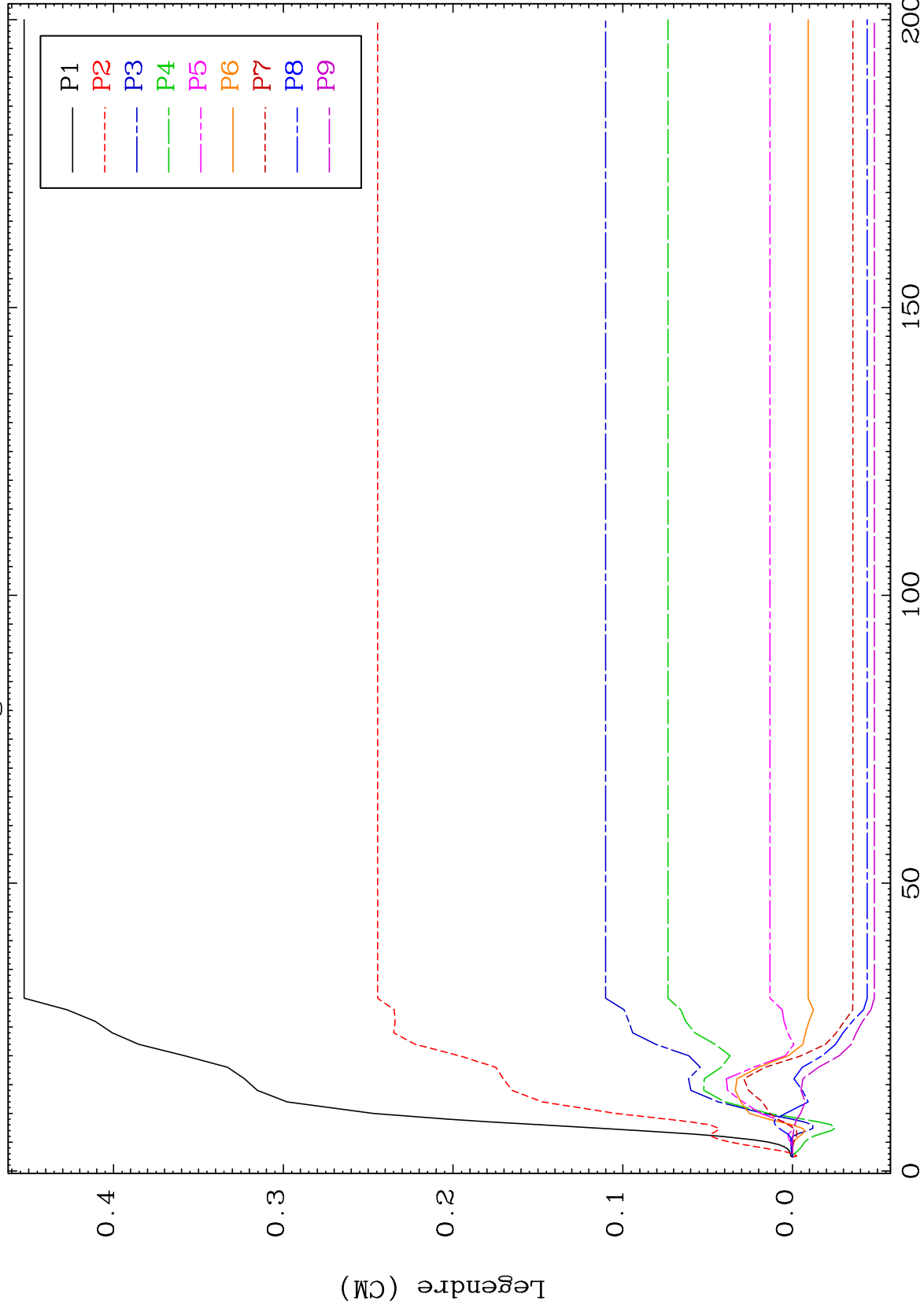
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108



54

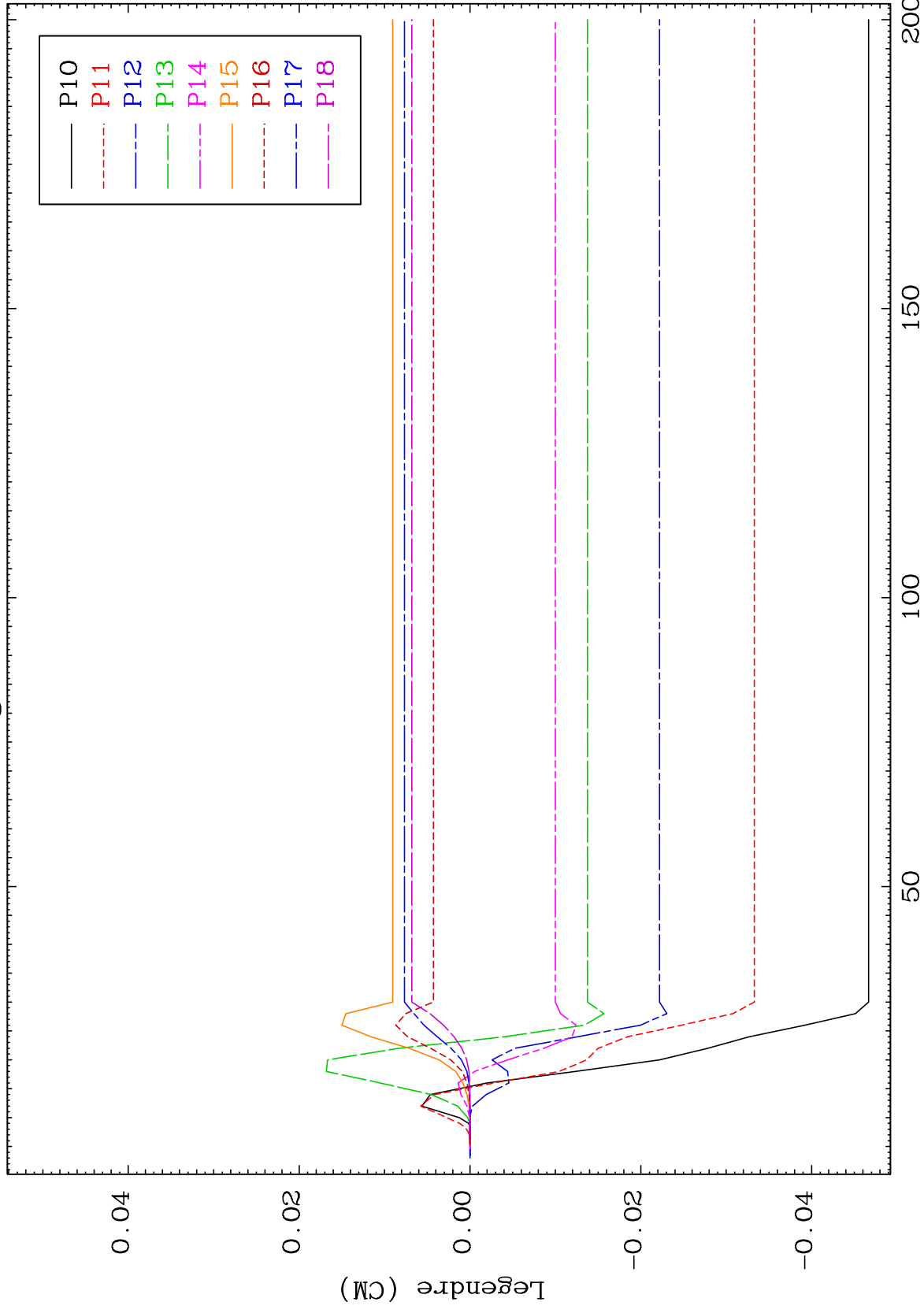
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108



55

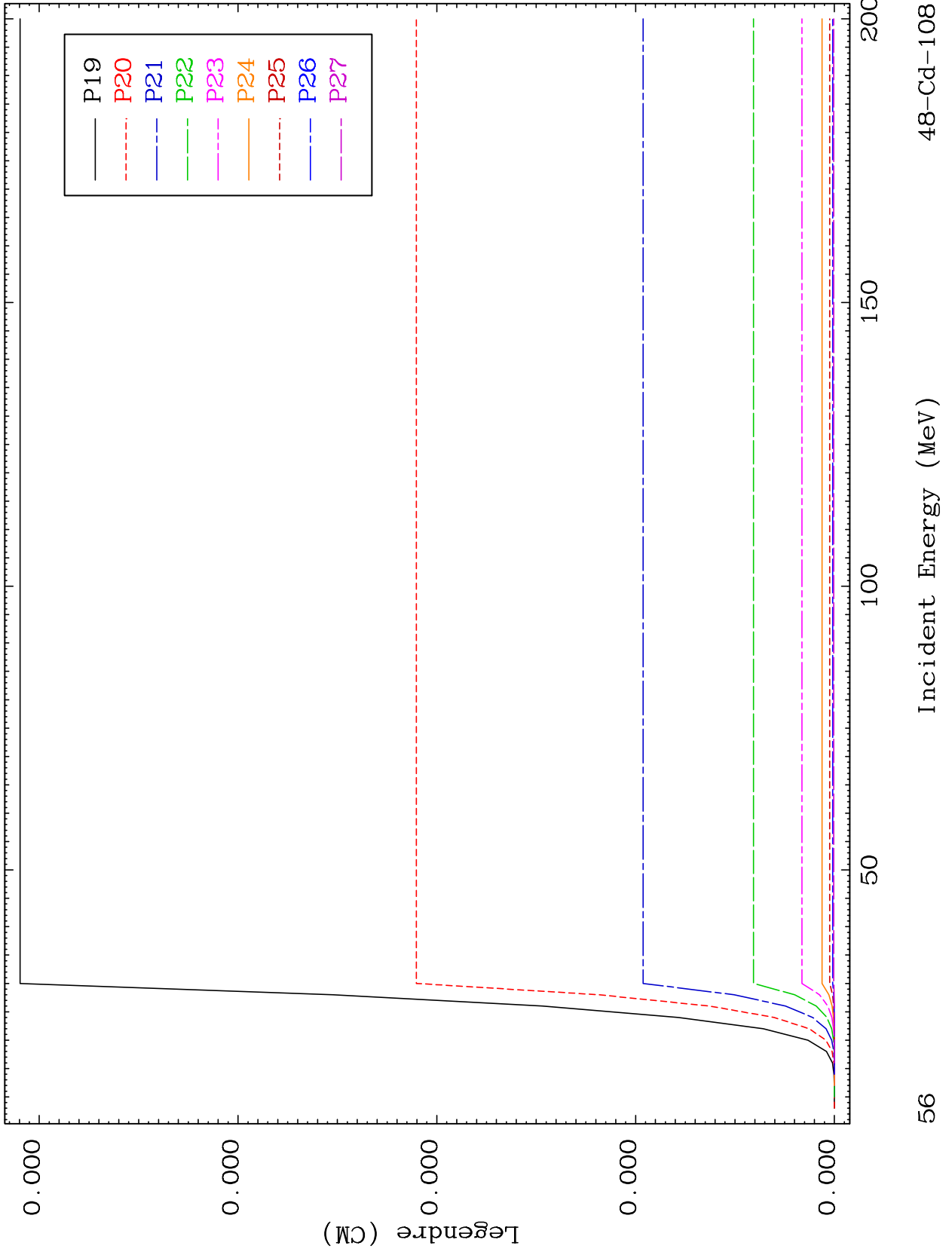
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108



56

Incident Energy (MeV)

48-Cd-108

200

150

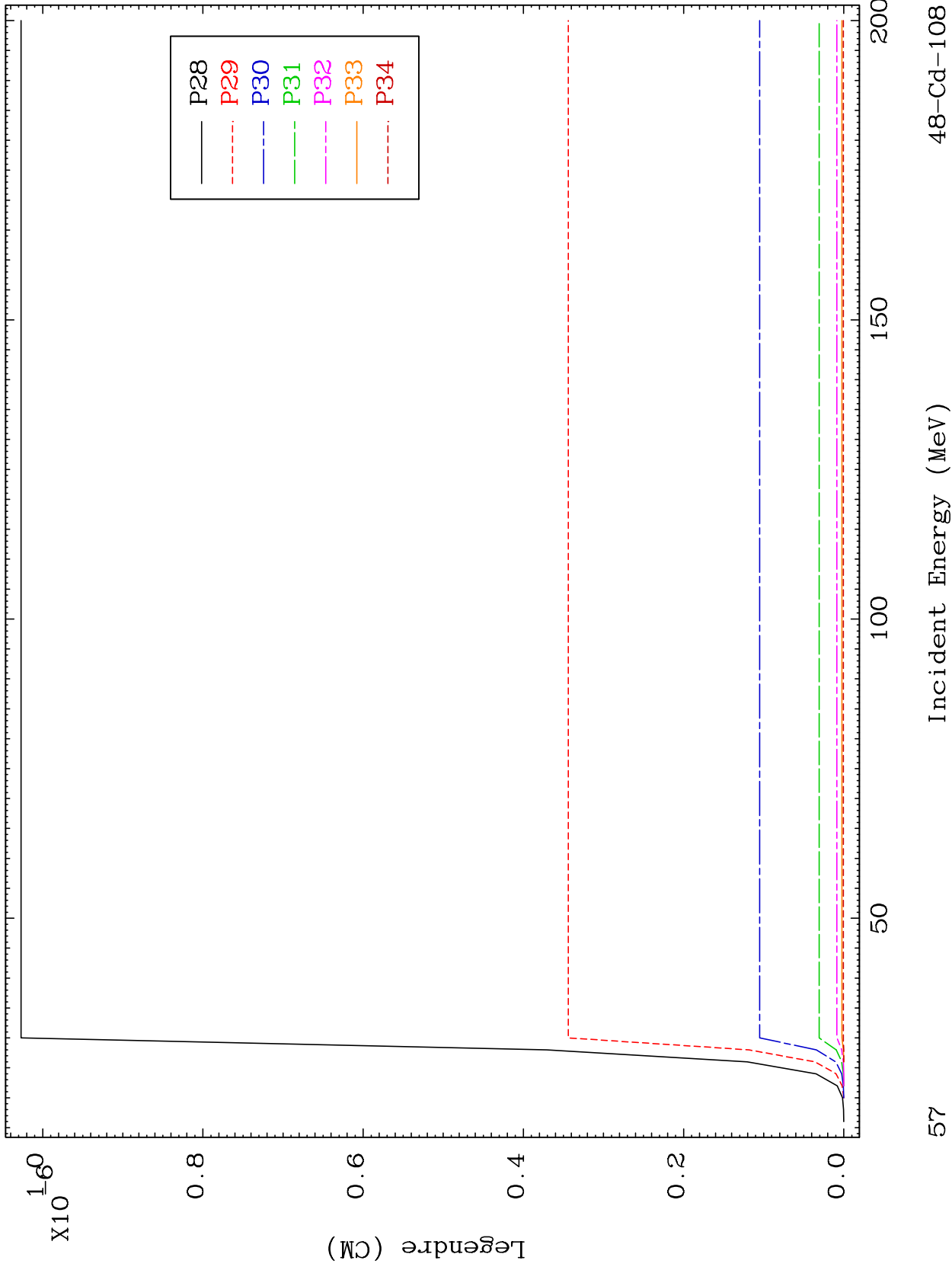
100

50

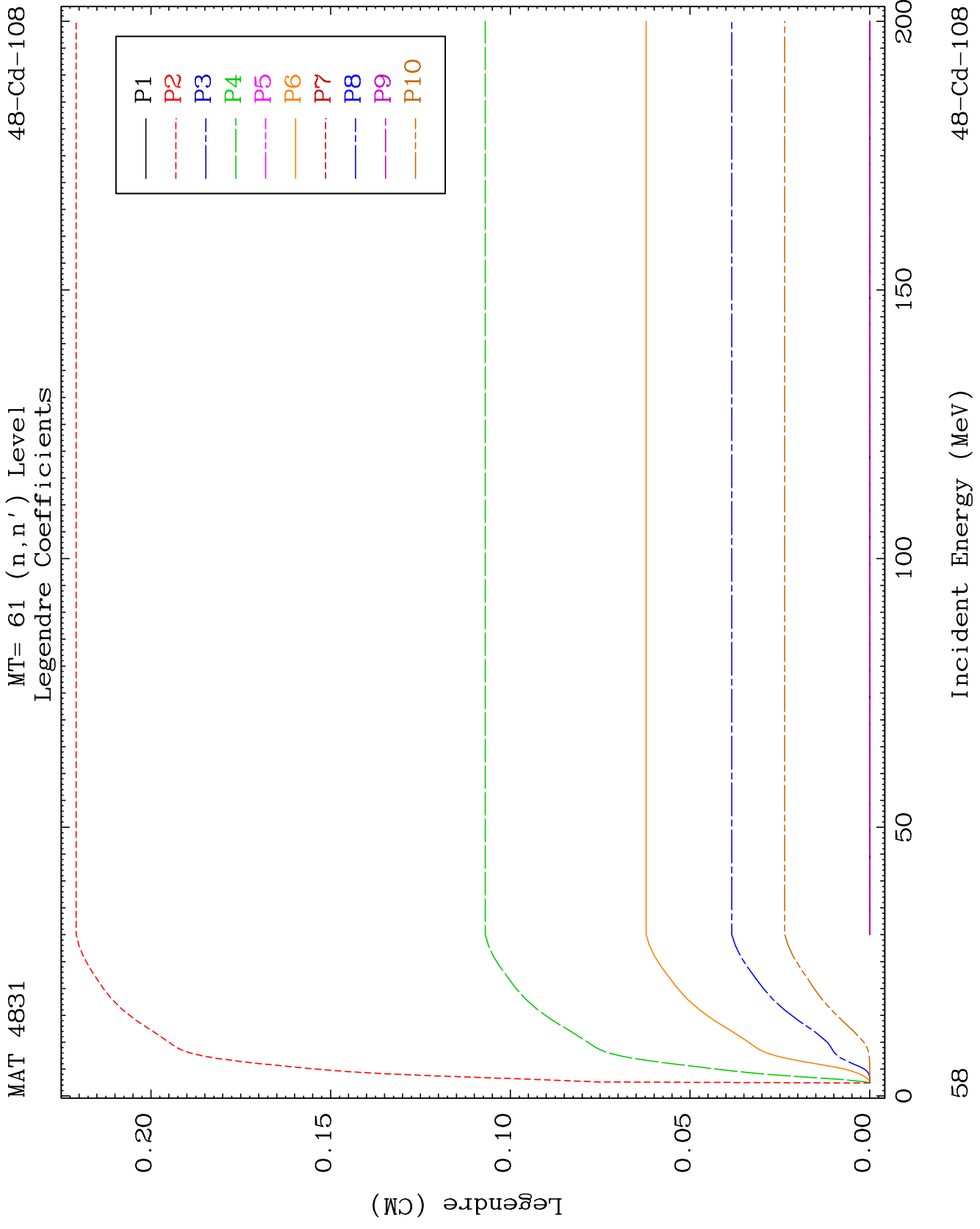
MAT 4831

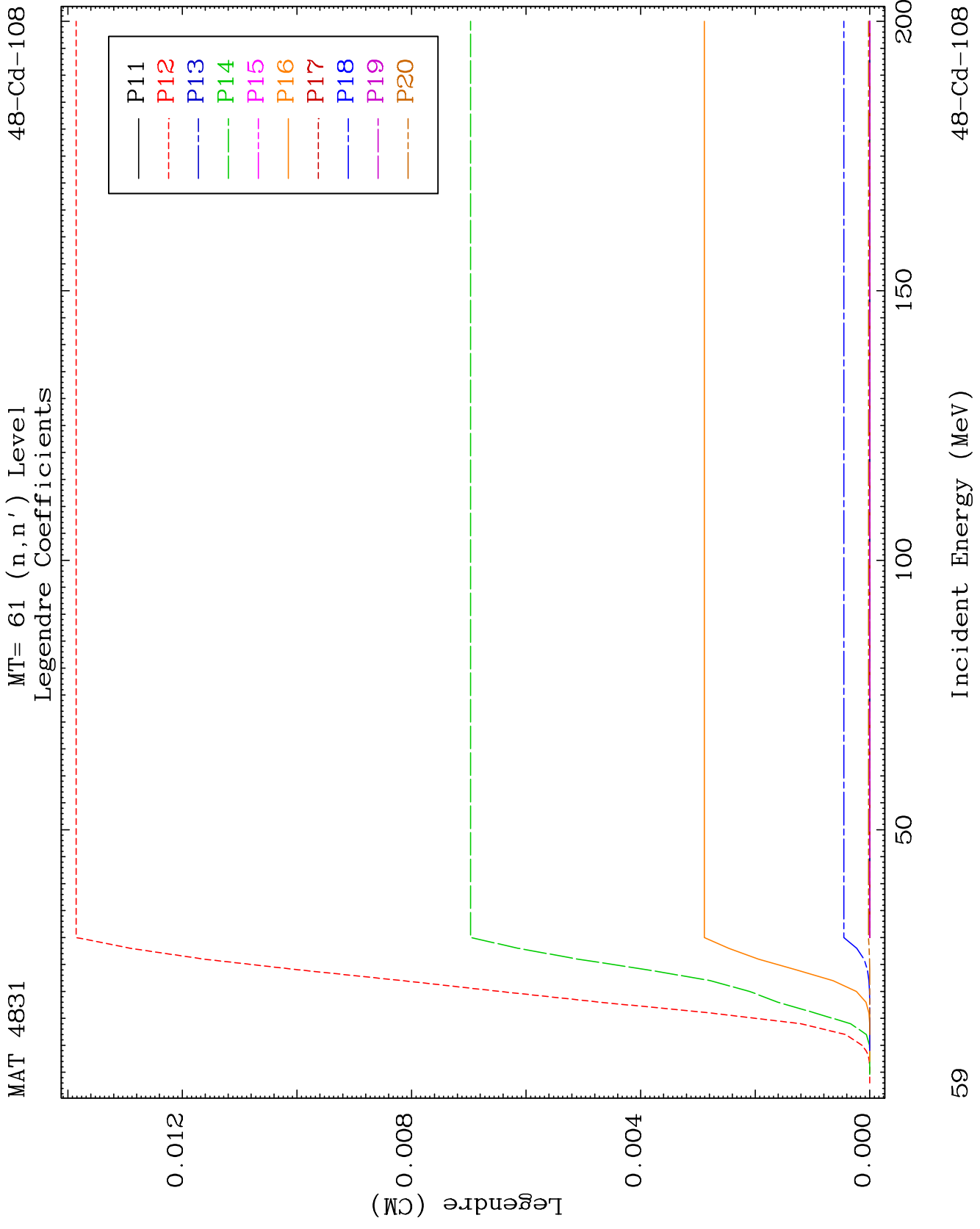
MT= 60 (n,n') Level
Legendre Coefficients

48-Cd-108



57

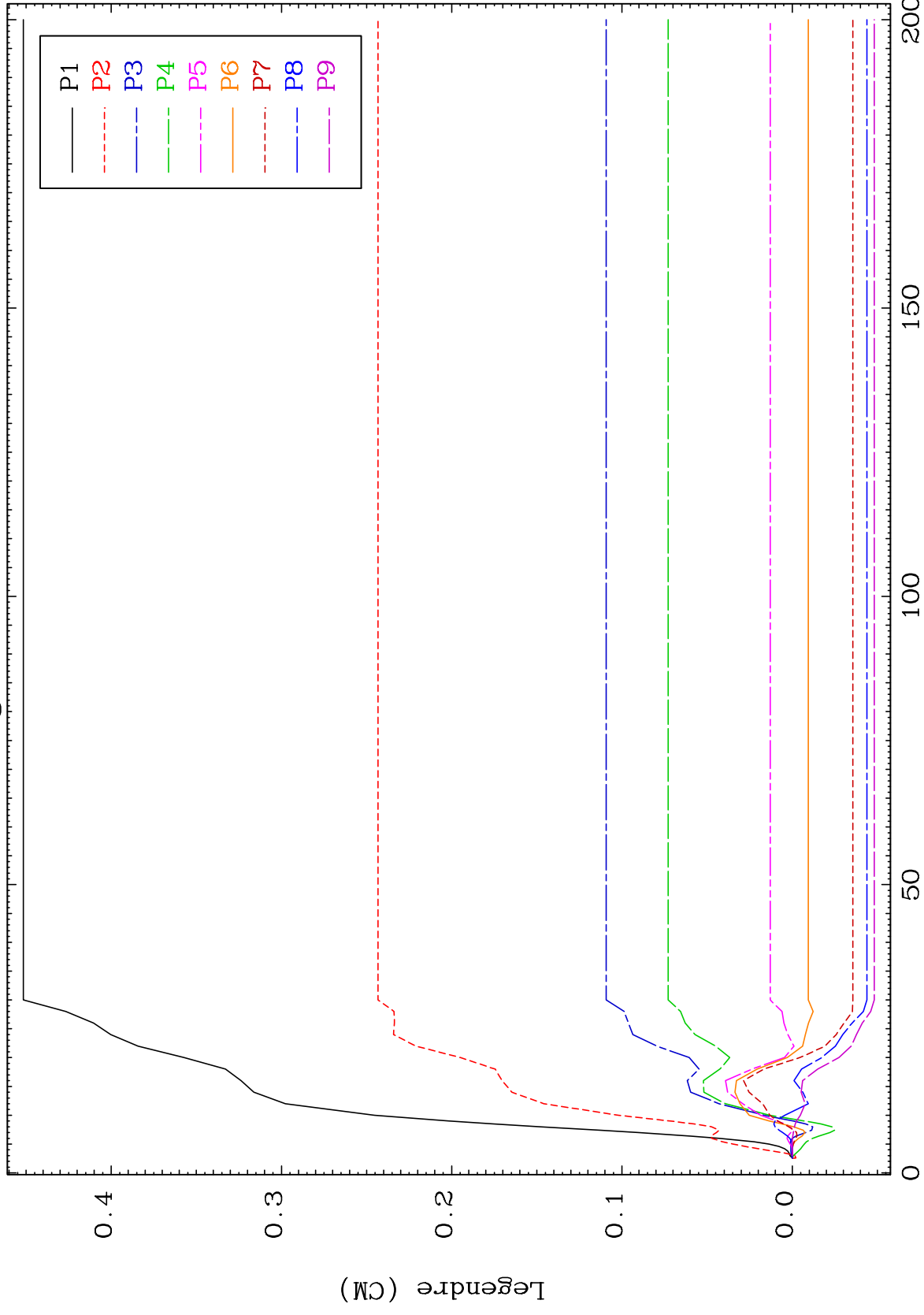




MAT 4831

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

48-Cd-108



61

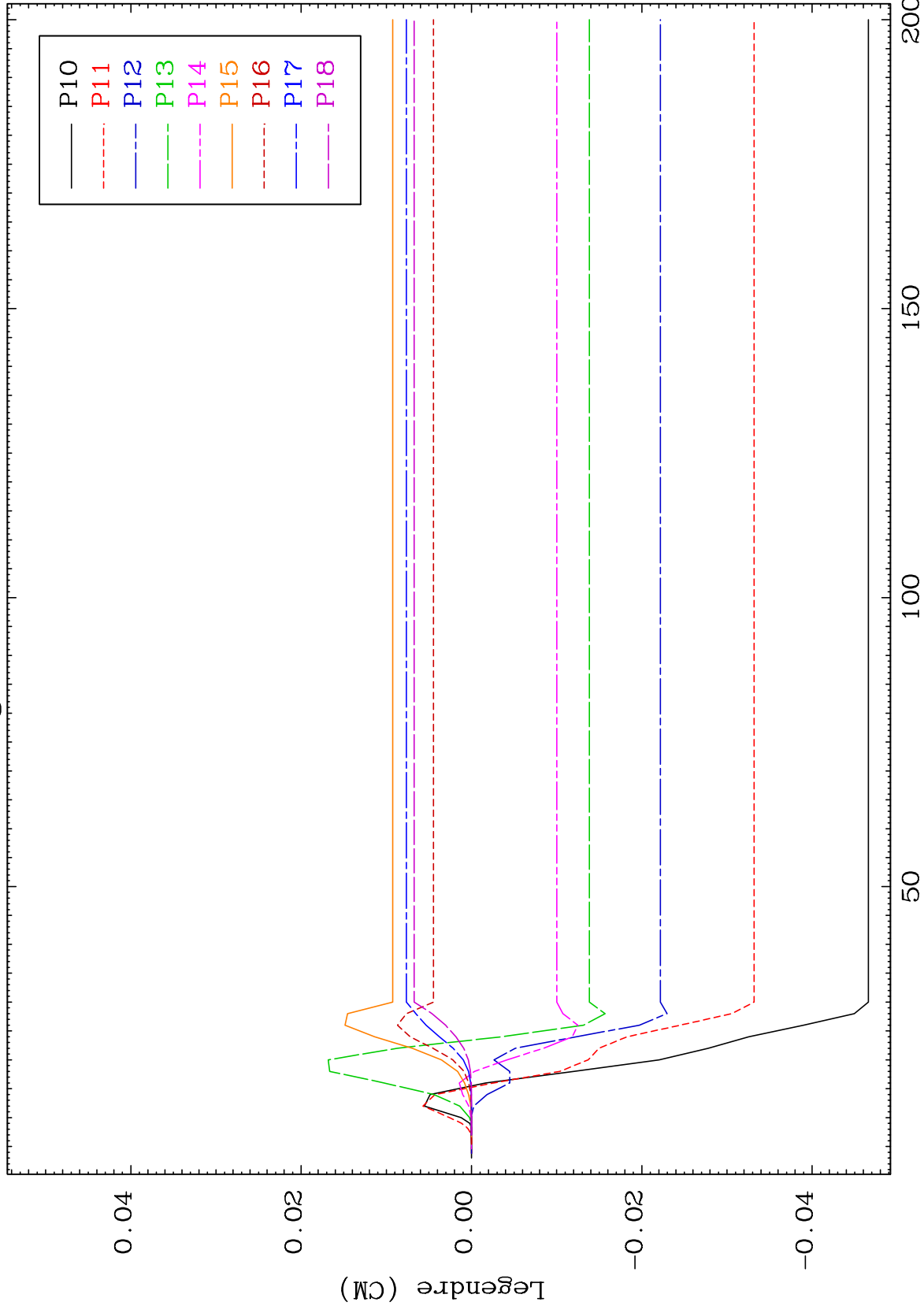
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108



62

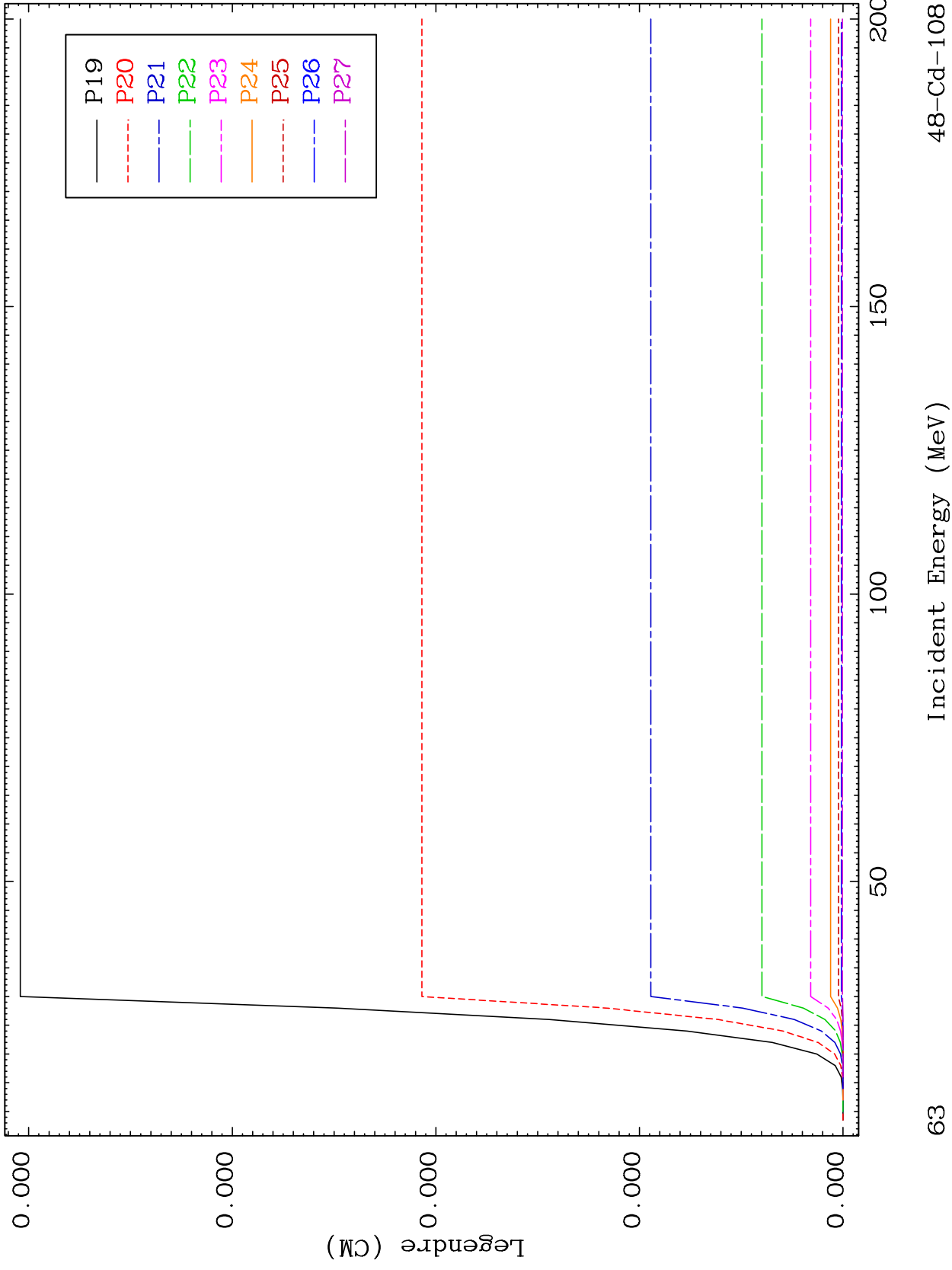
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

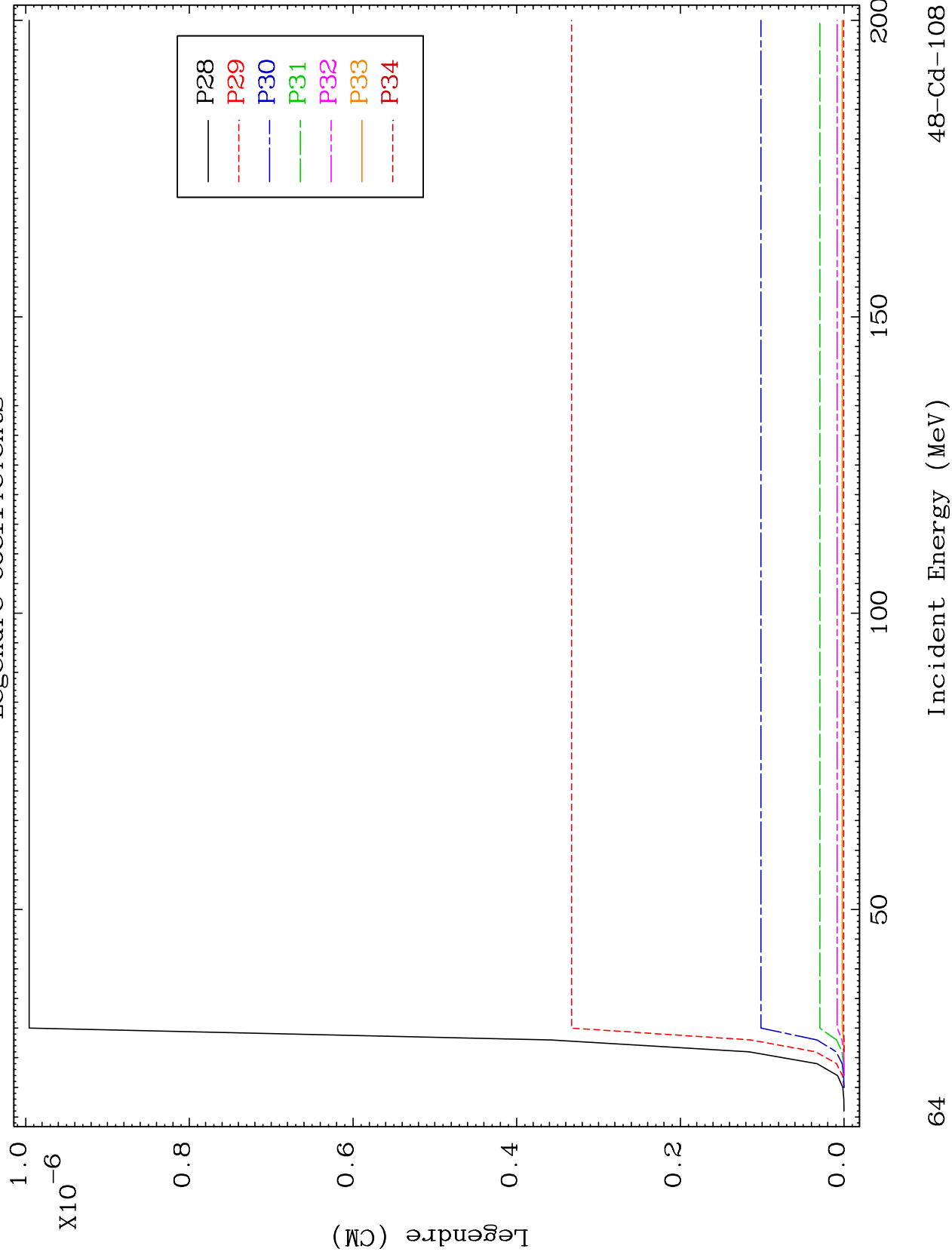
48-Cd-108



MAT 4831

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

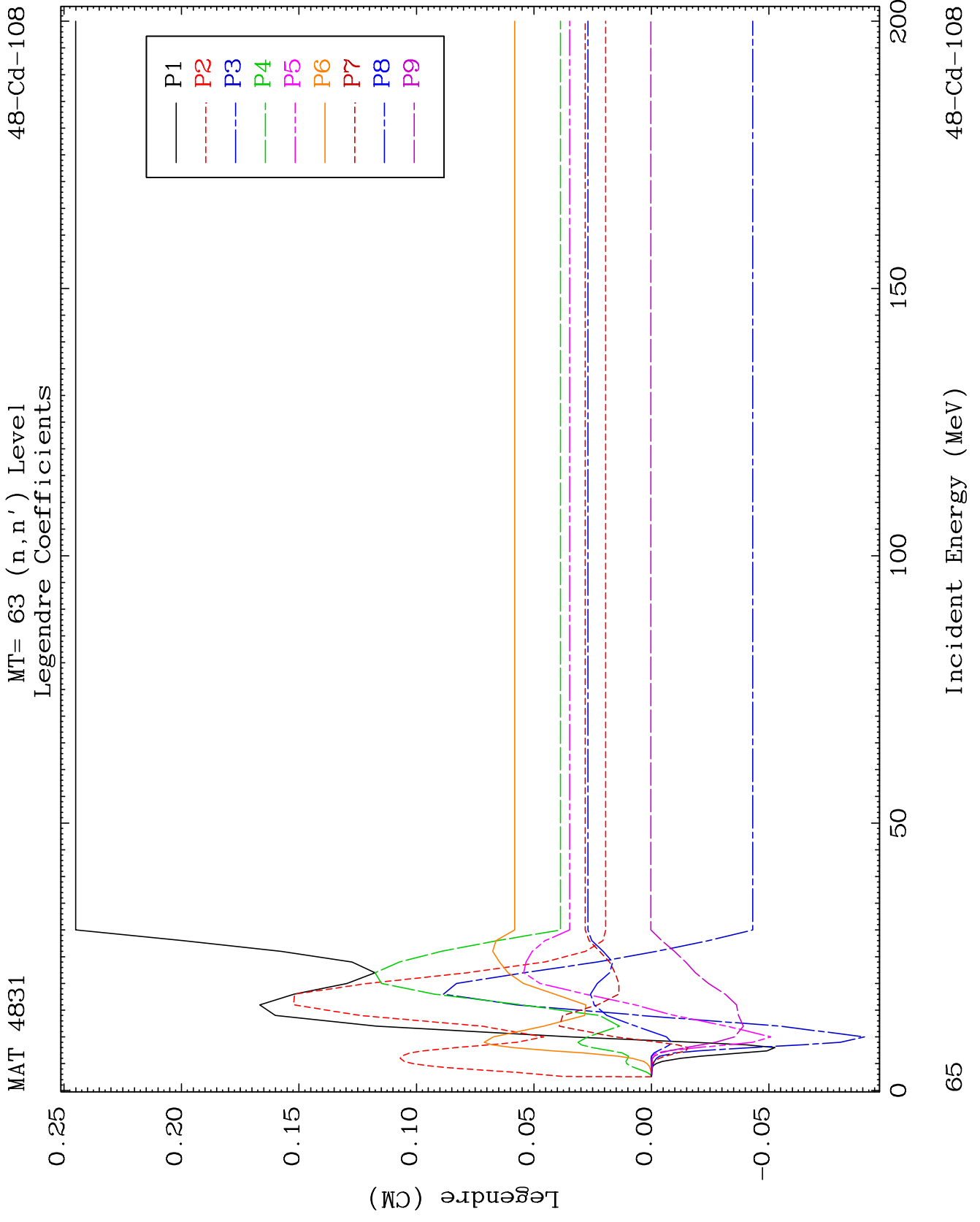
48-Cd-108



64

Incident Energy (MeV)

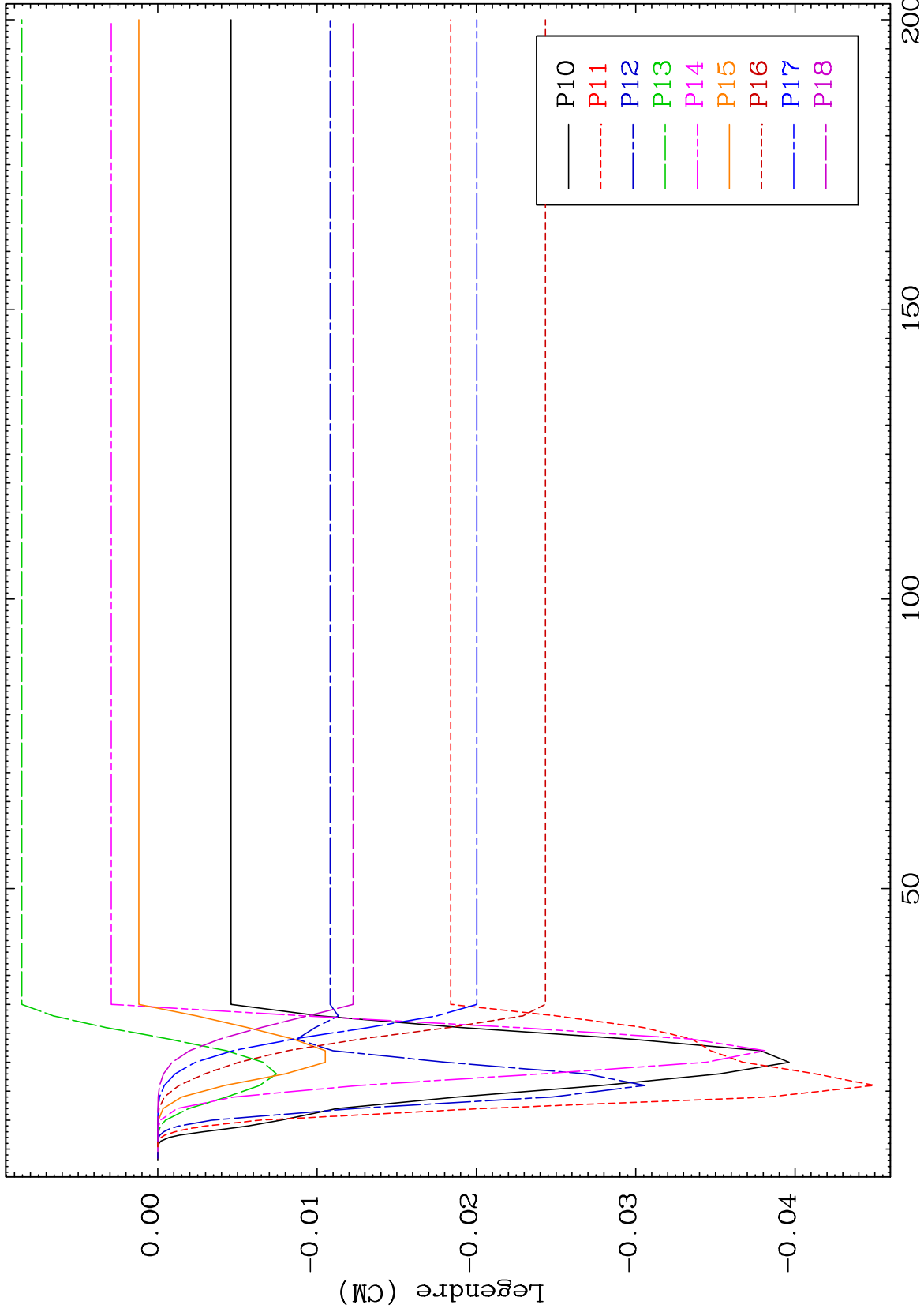
48-Cd-108



MAT 4831

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

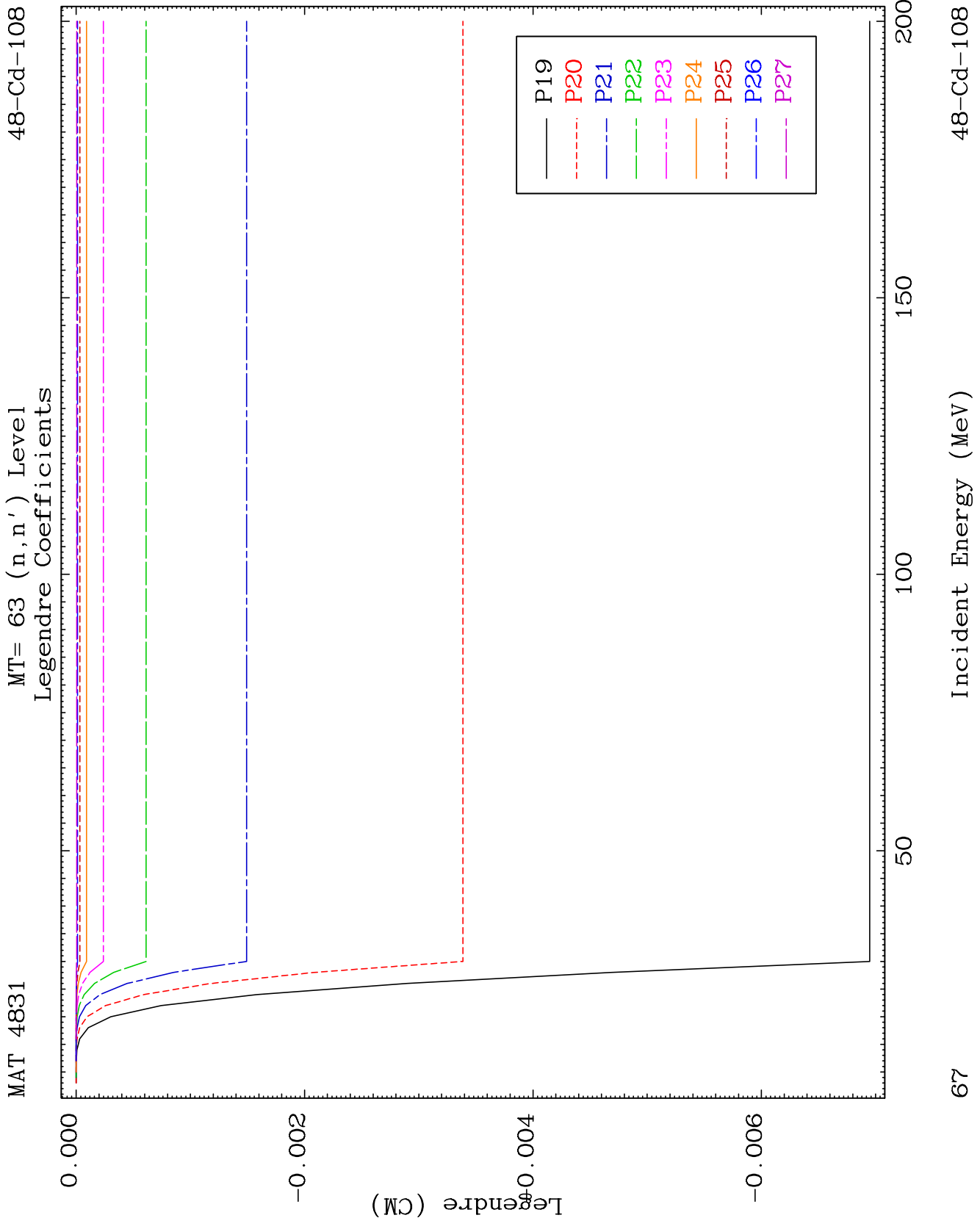
48-Cd-108

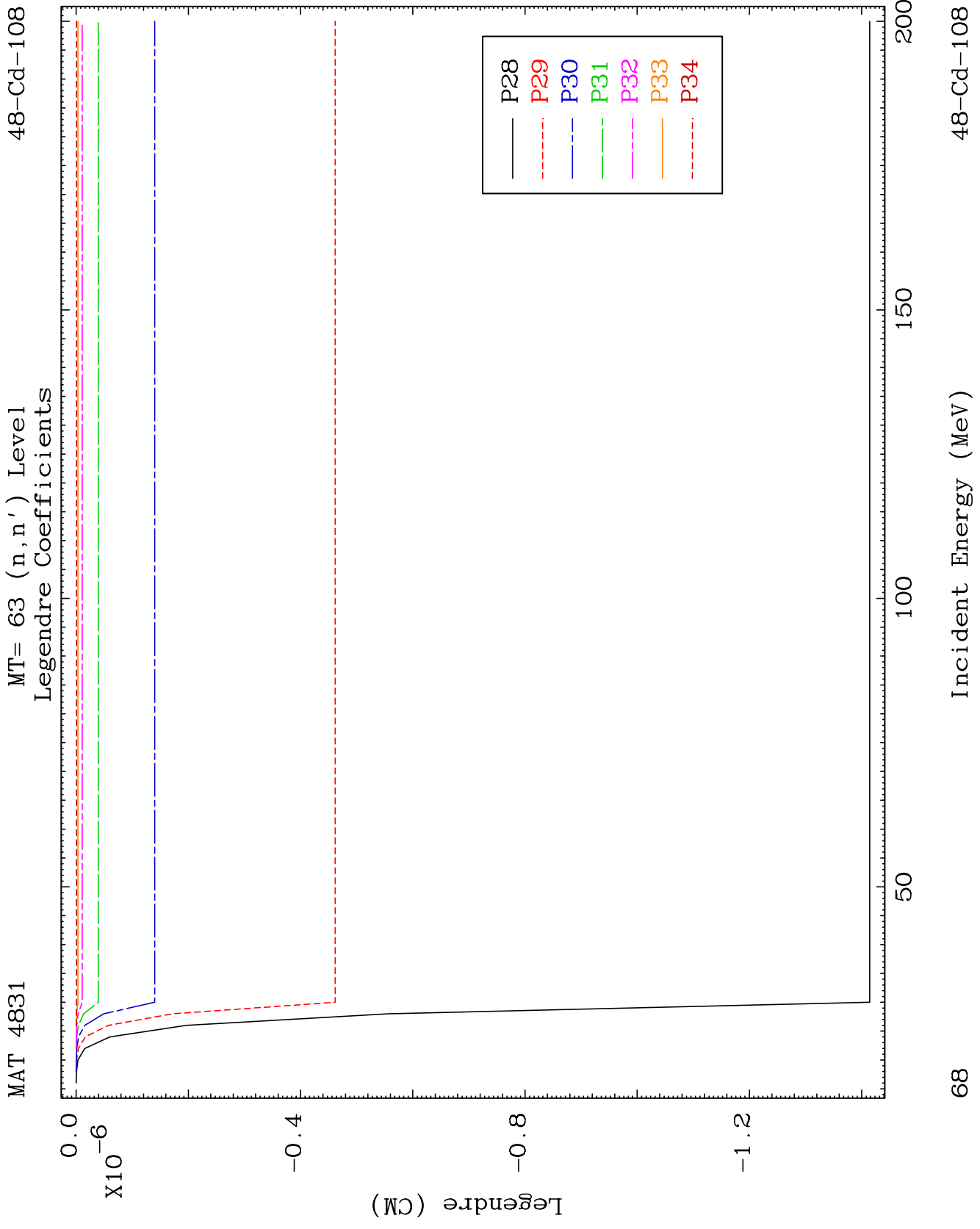


66

Incident Energy (MeV)

48-Cd-108

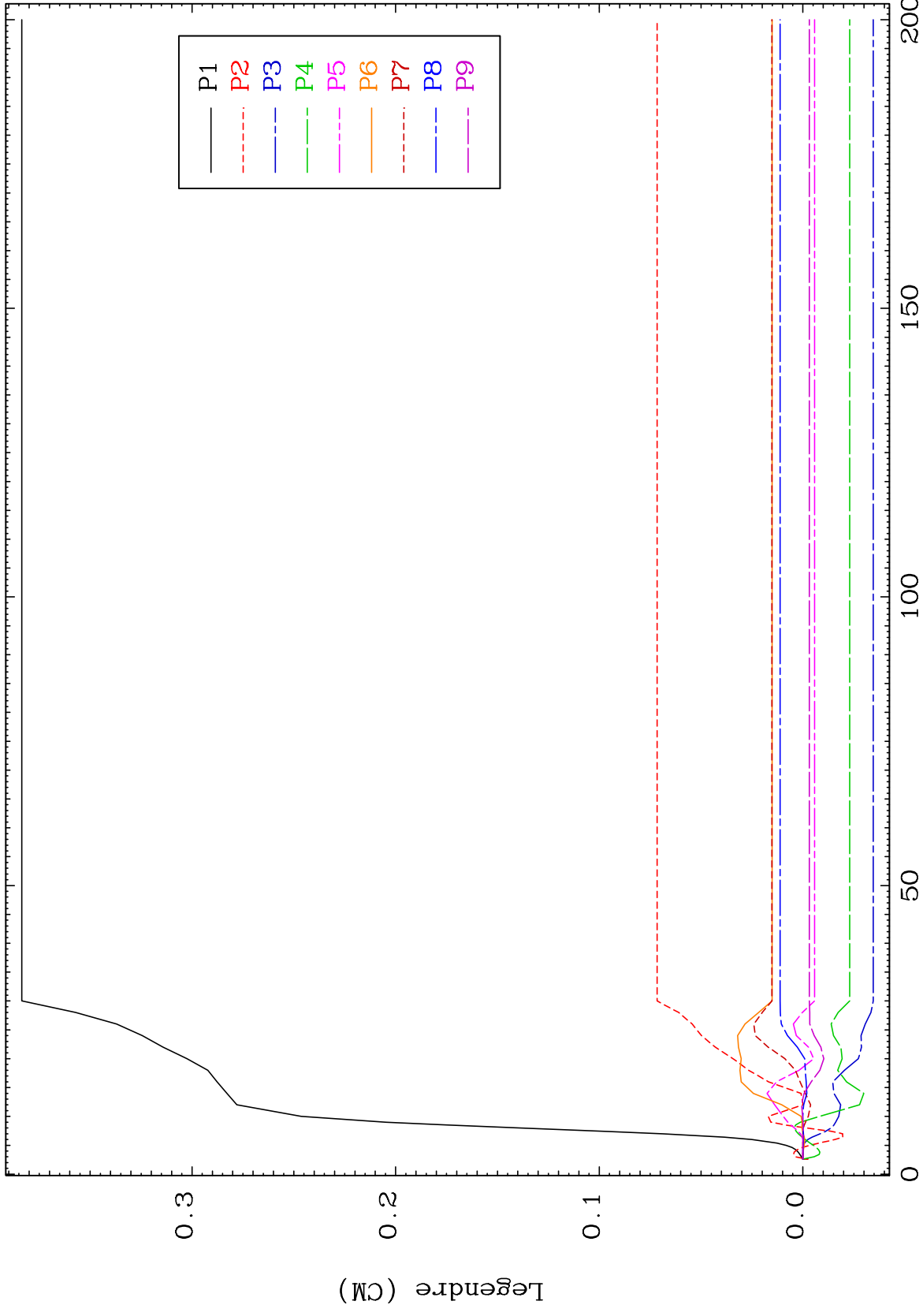




MAT 4831

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

48-Cd-108



69

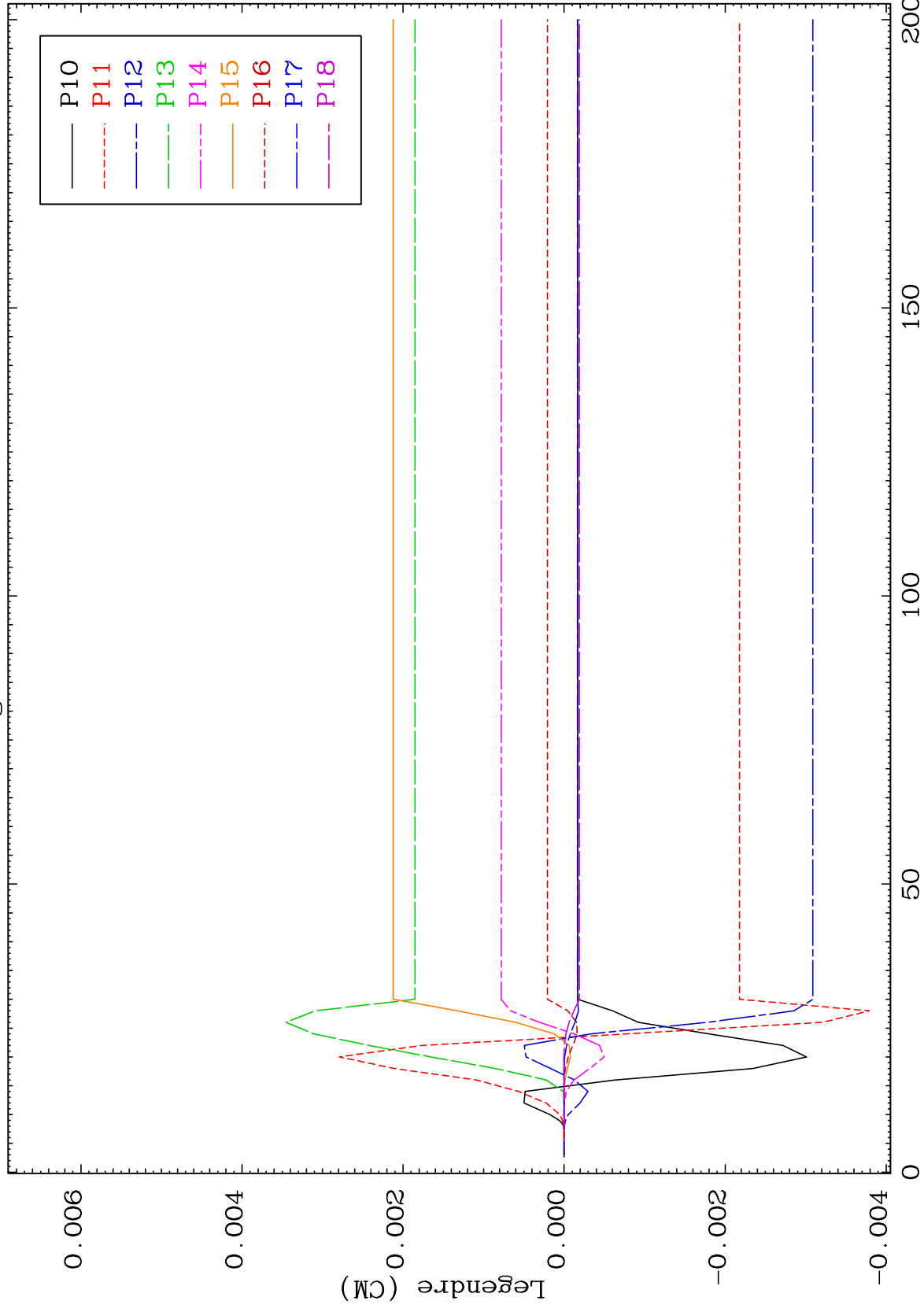
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

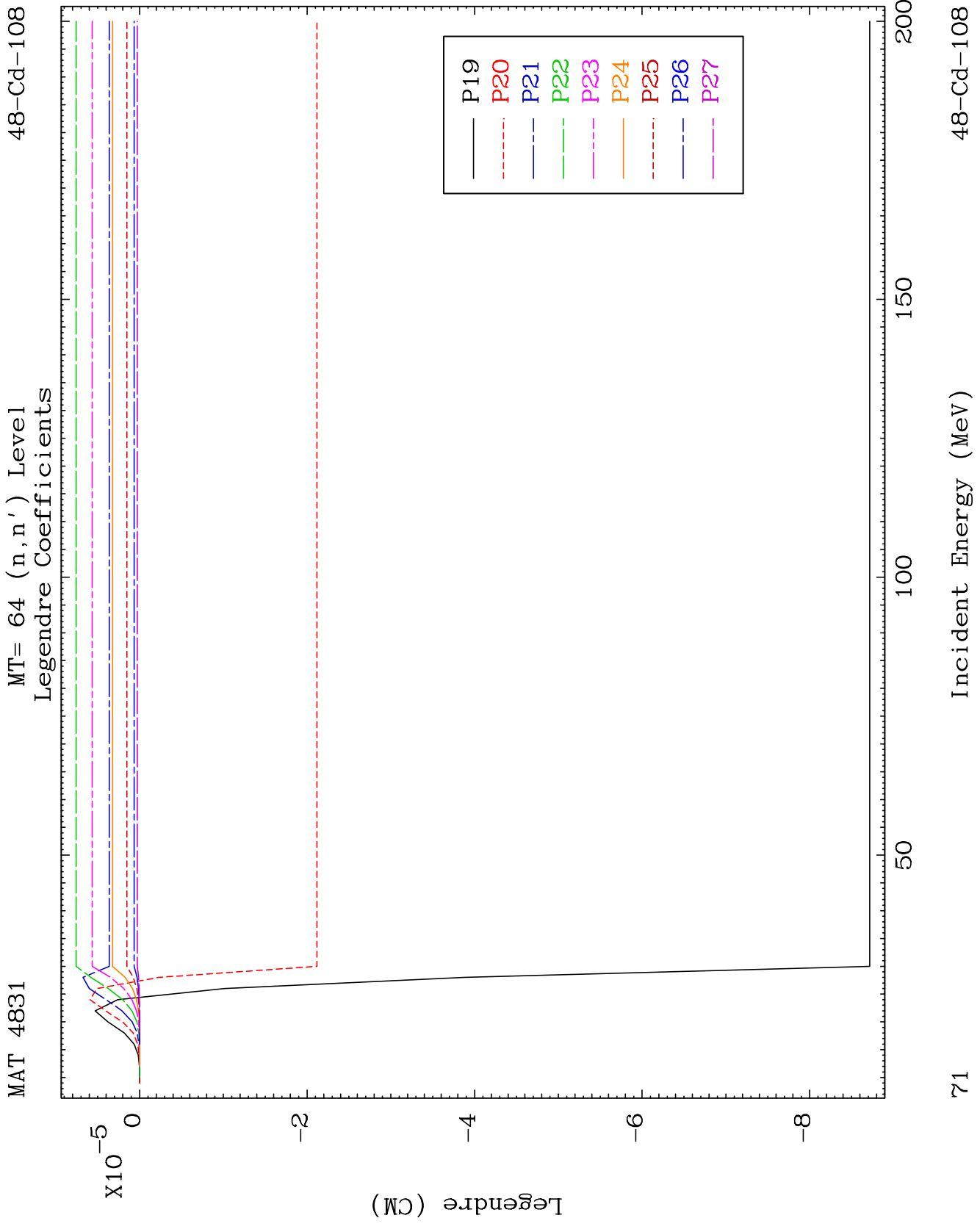
48-Cd-108



70

Incident Energy (MeV)

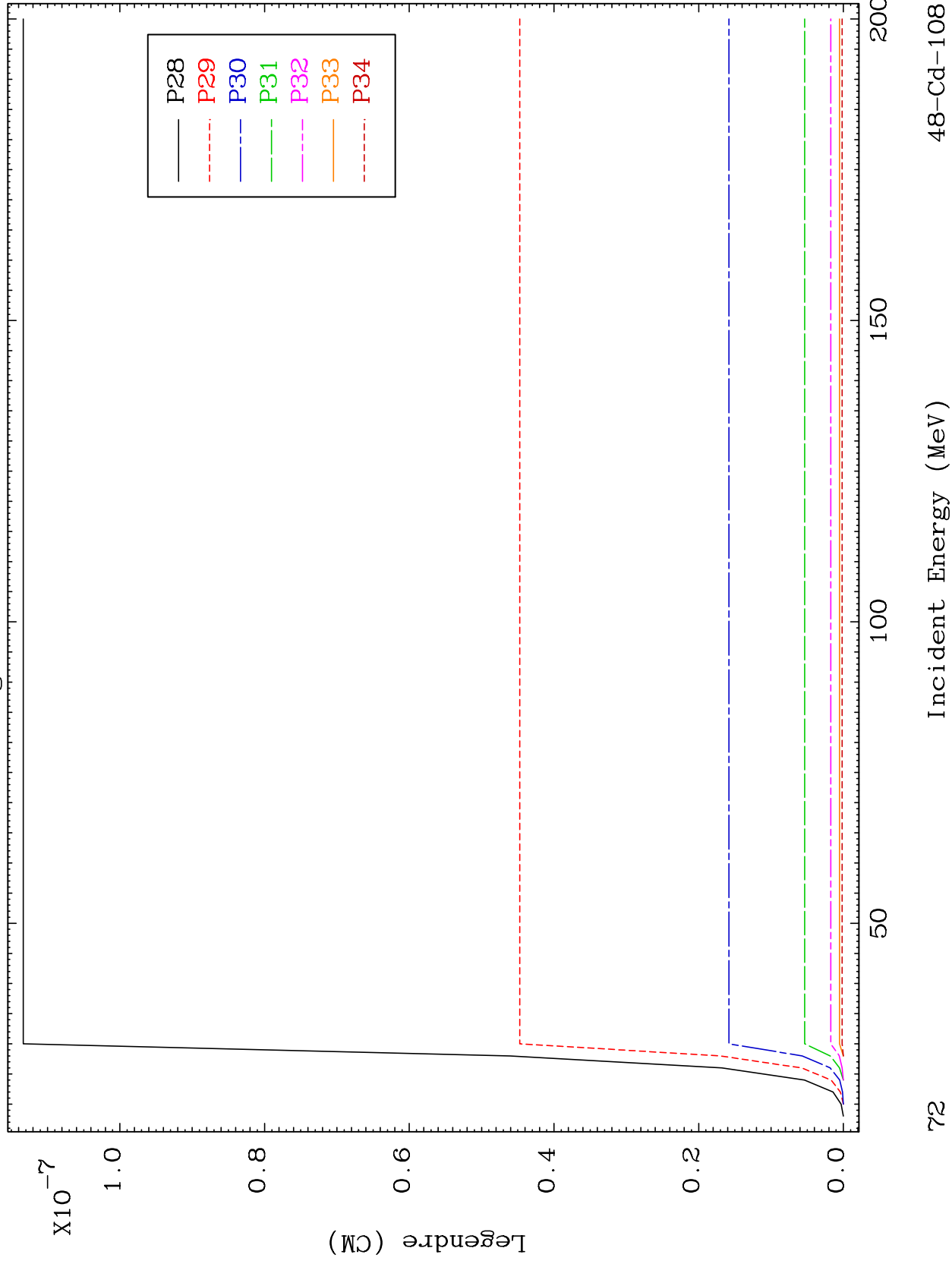
48-Cd-108



MAT 4831

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

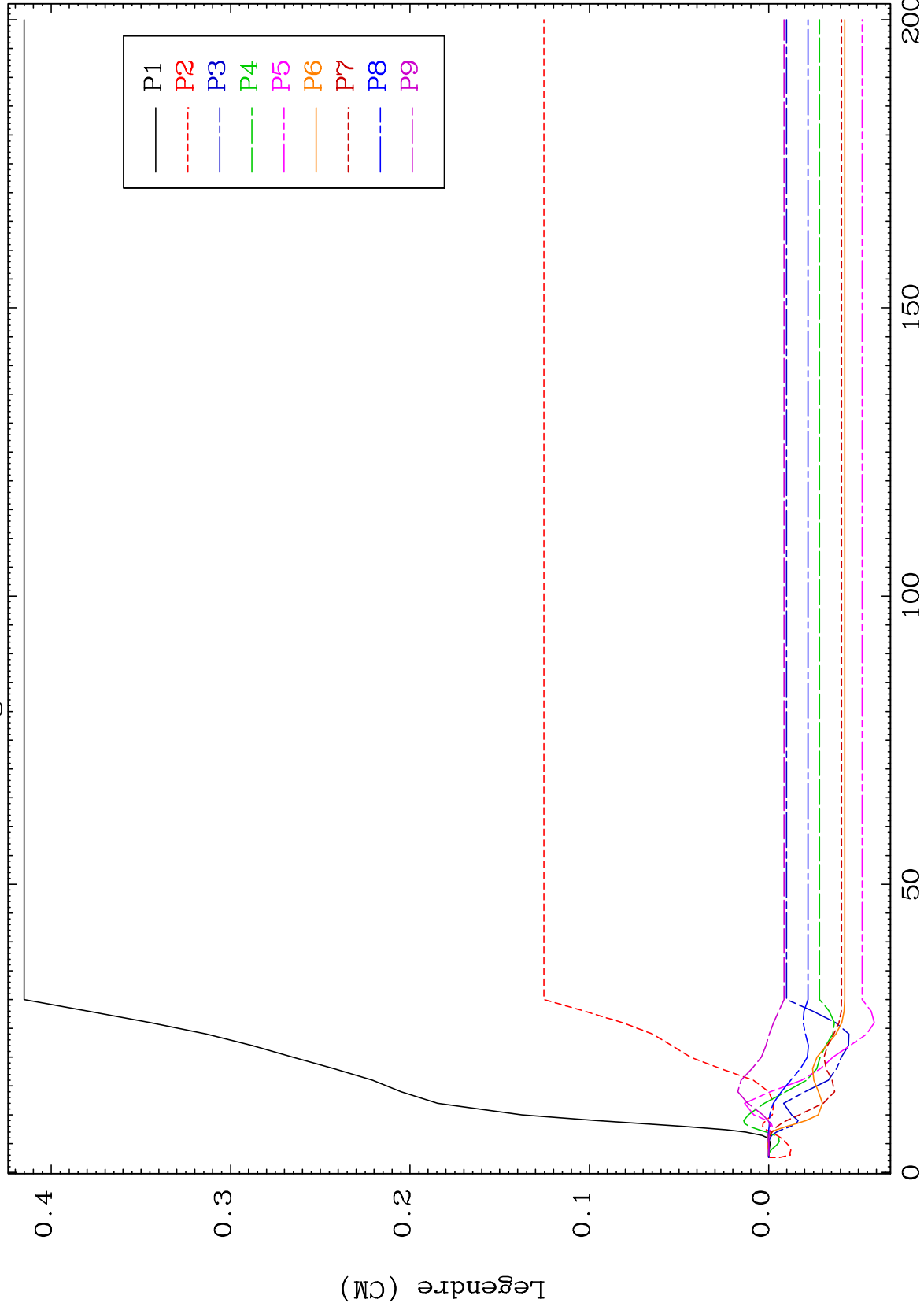
48-Cd-108



MAT 4831

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

48-Cd-108



73

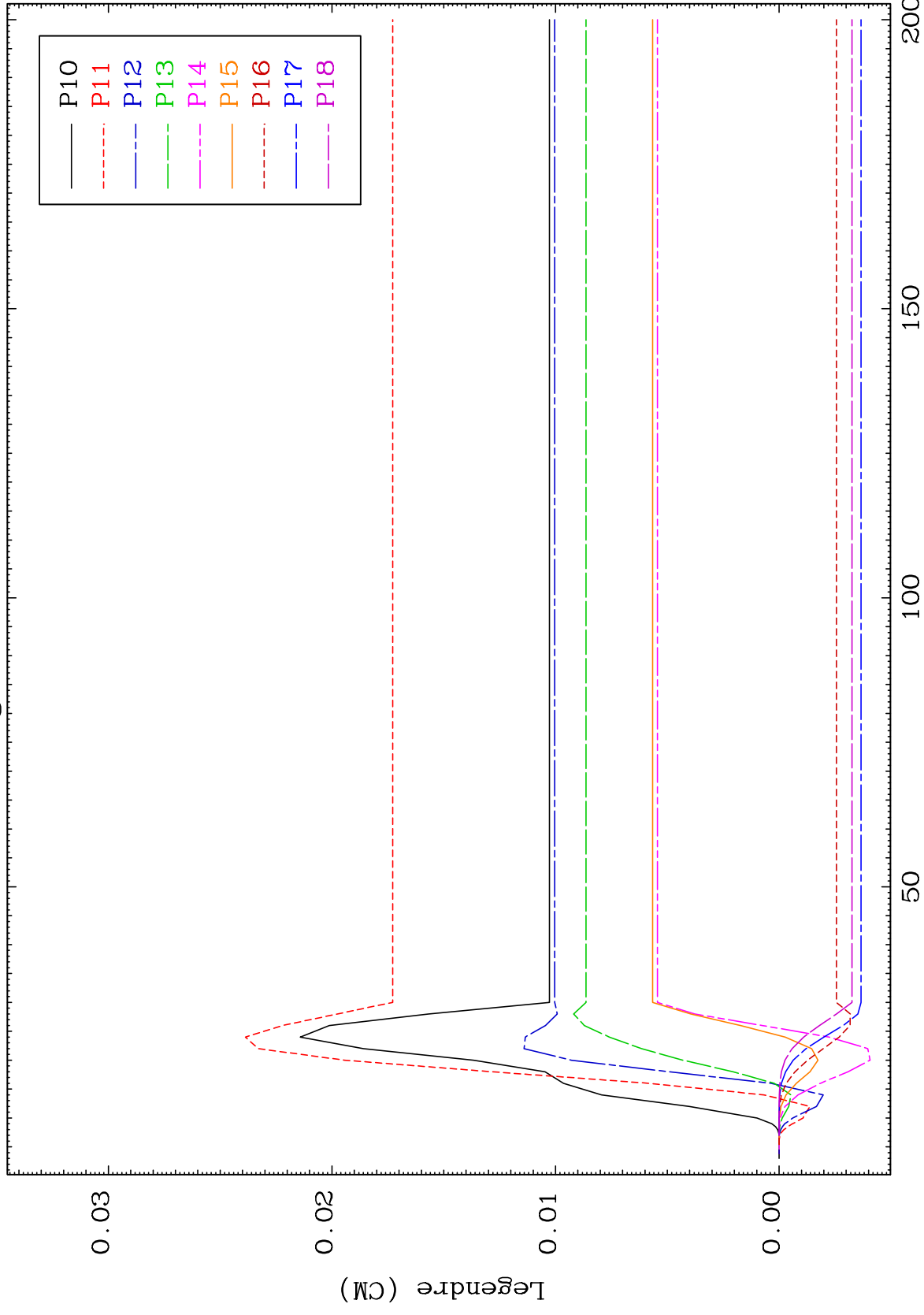
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

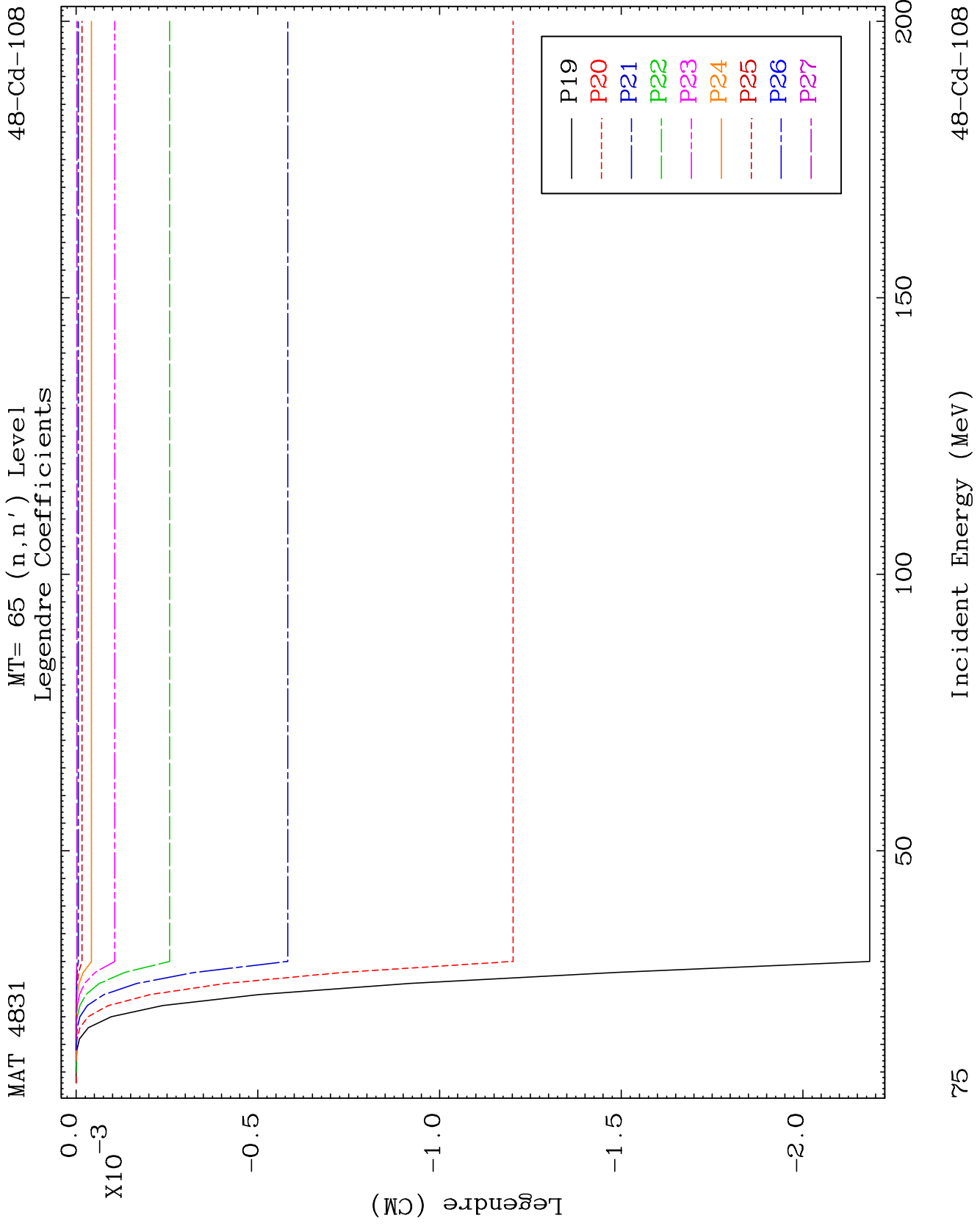
48-Cd-108

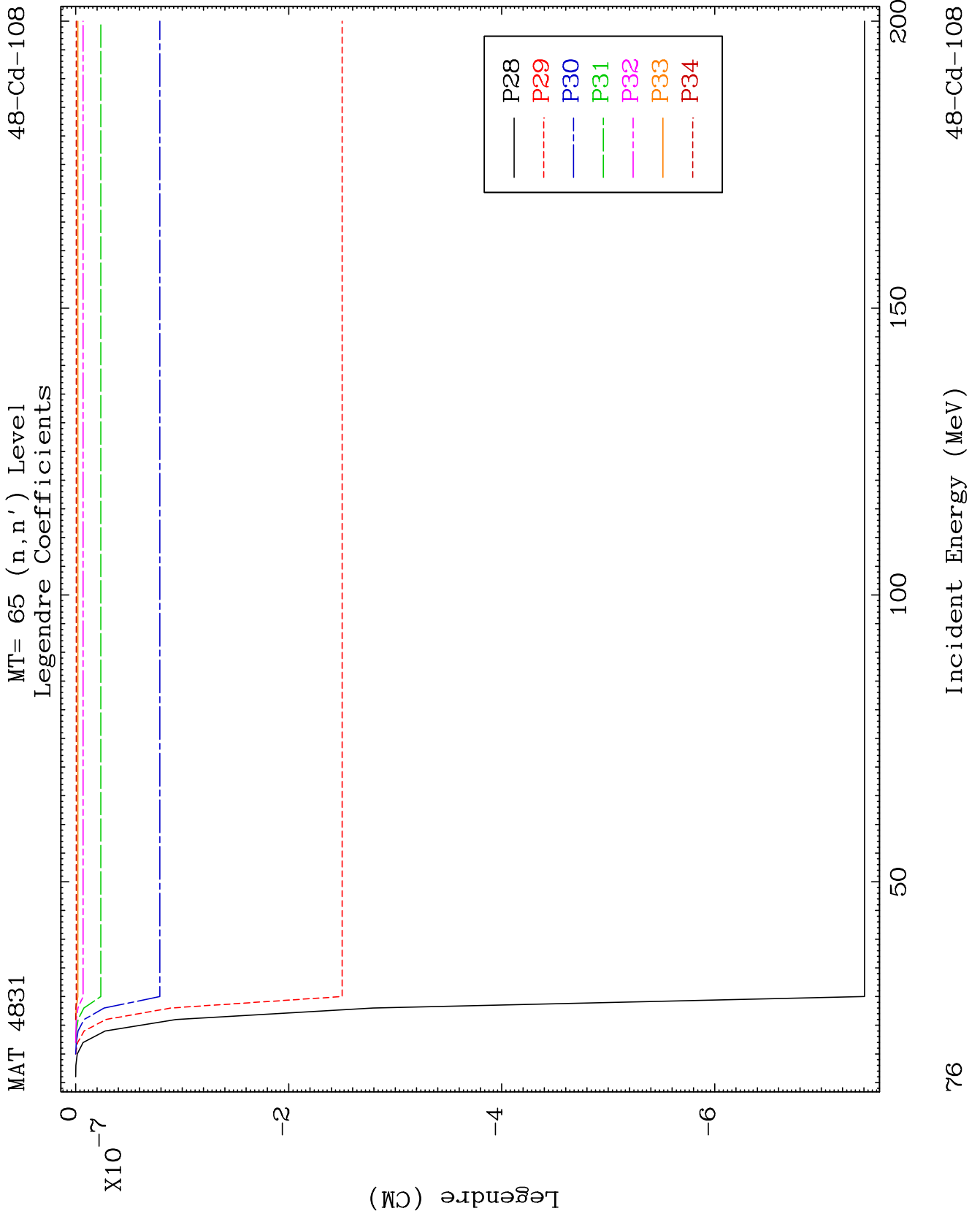


74

Incident Energy (MeV)

48-Cd-108

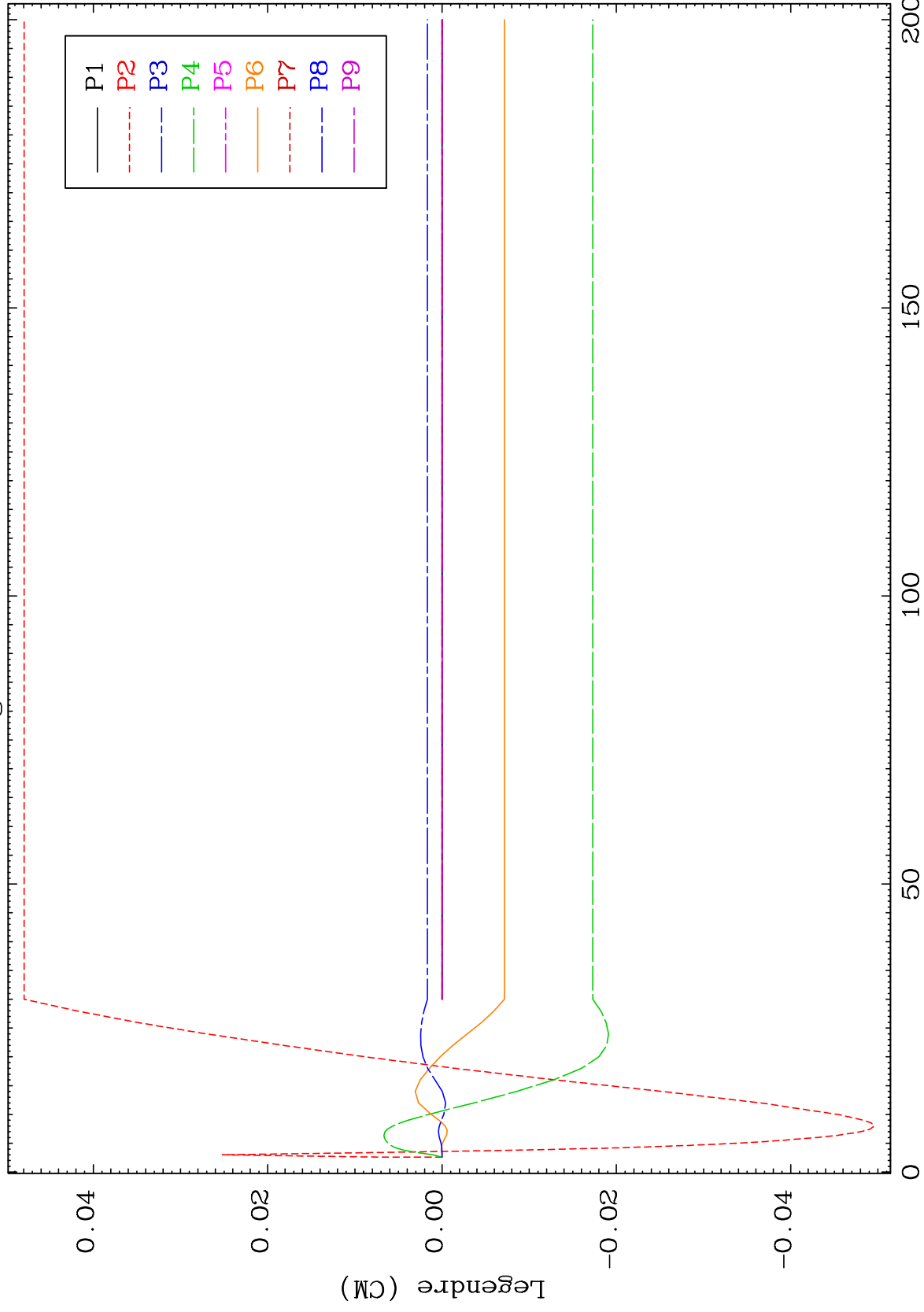




MAT 4831

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

48-Cd-108



77

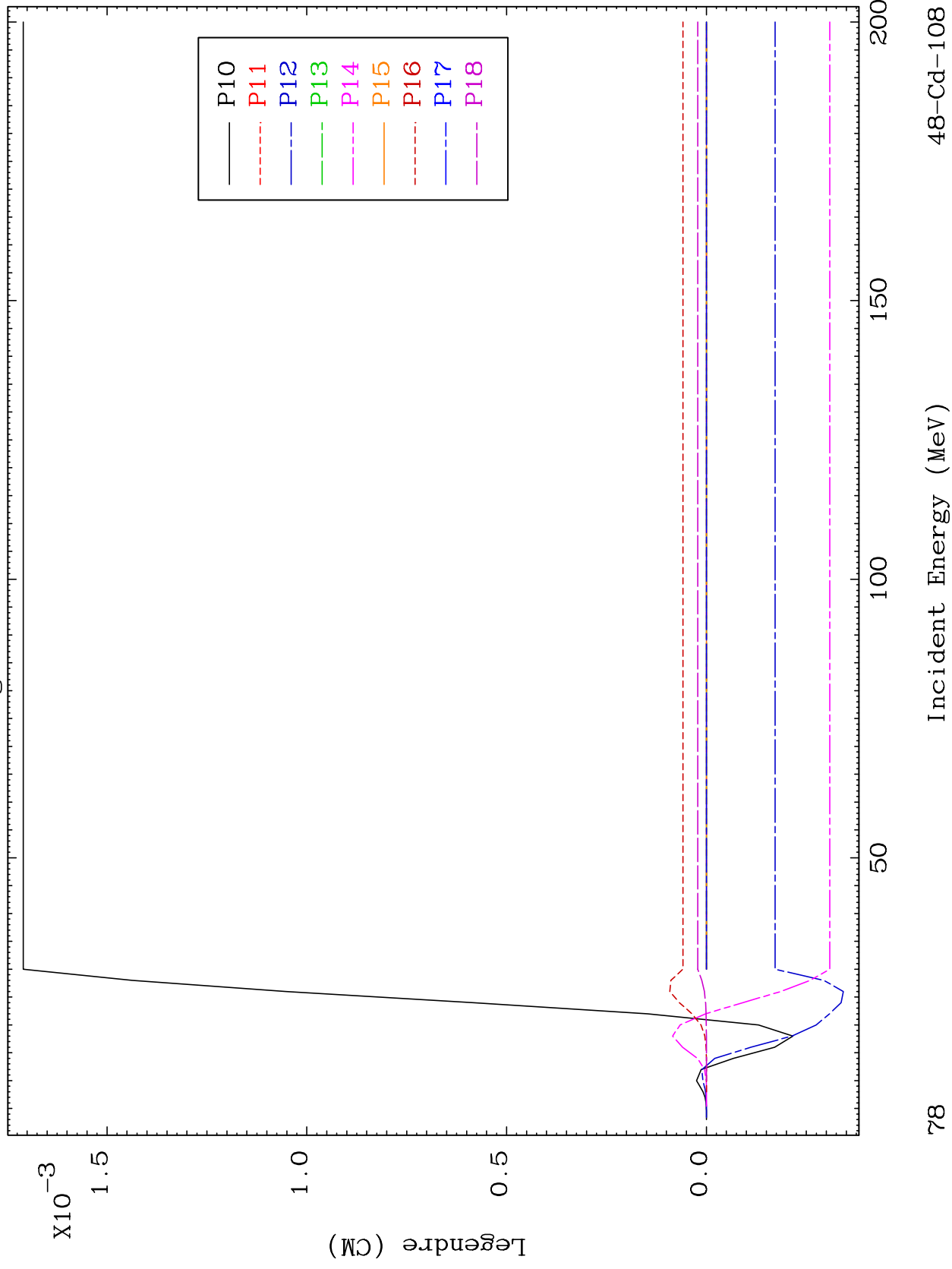
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

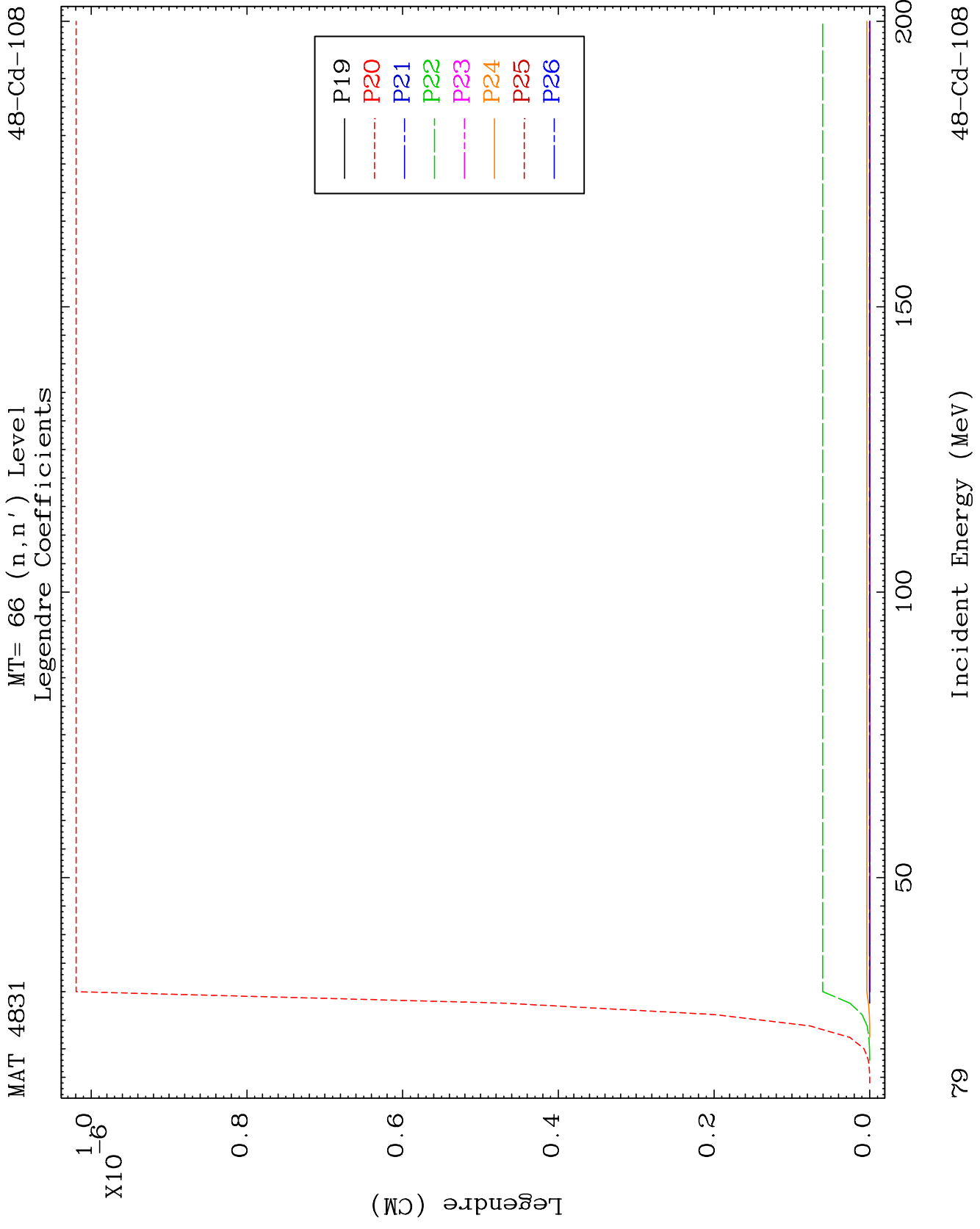
48-Cd-108



78

Incident Energy (MeV)

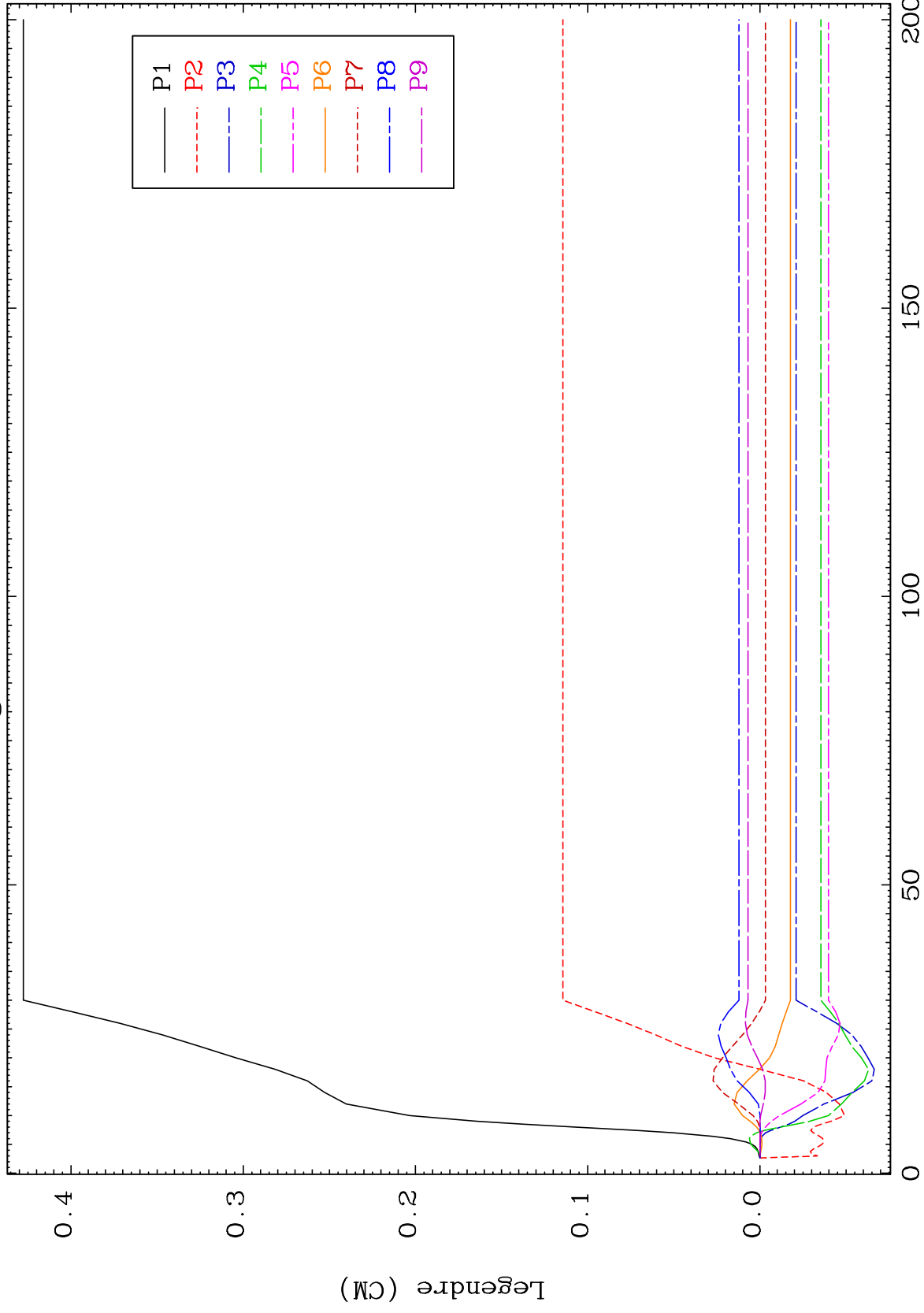
48-Cd-108



MAT 4831

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

48-Cd-108



80

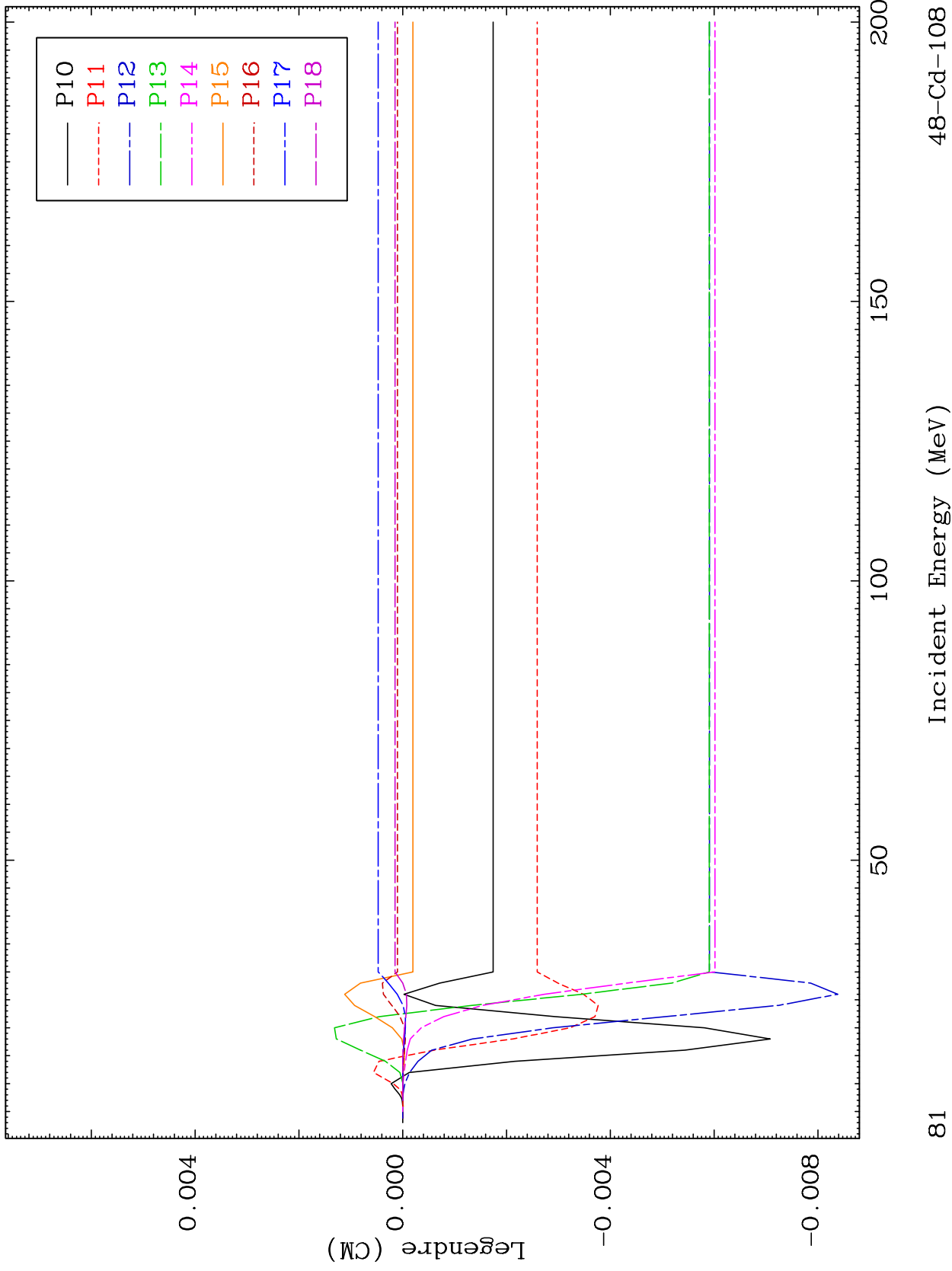
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108



81

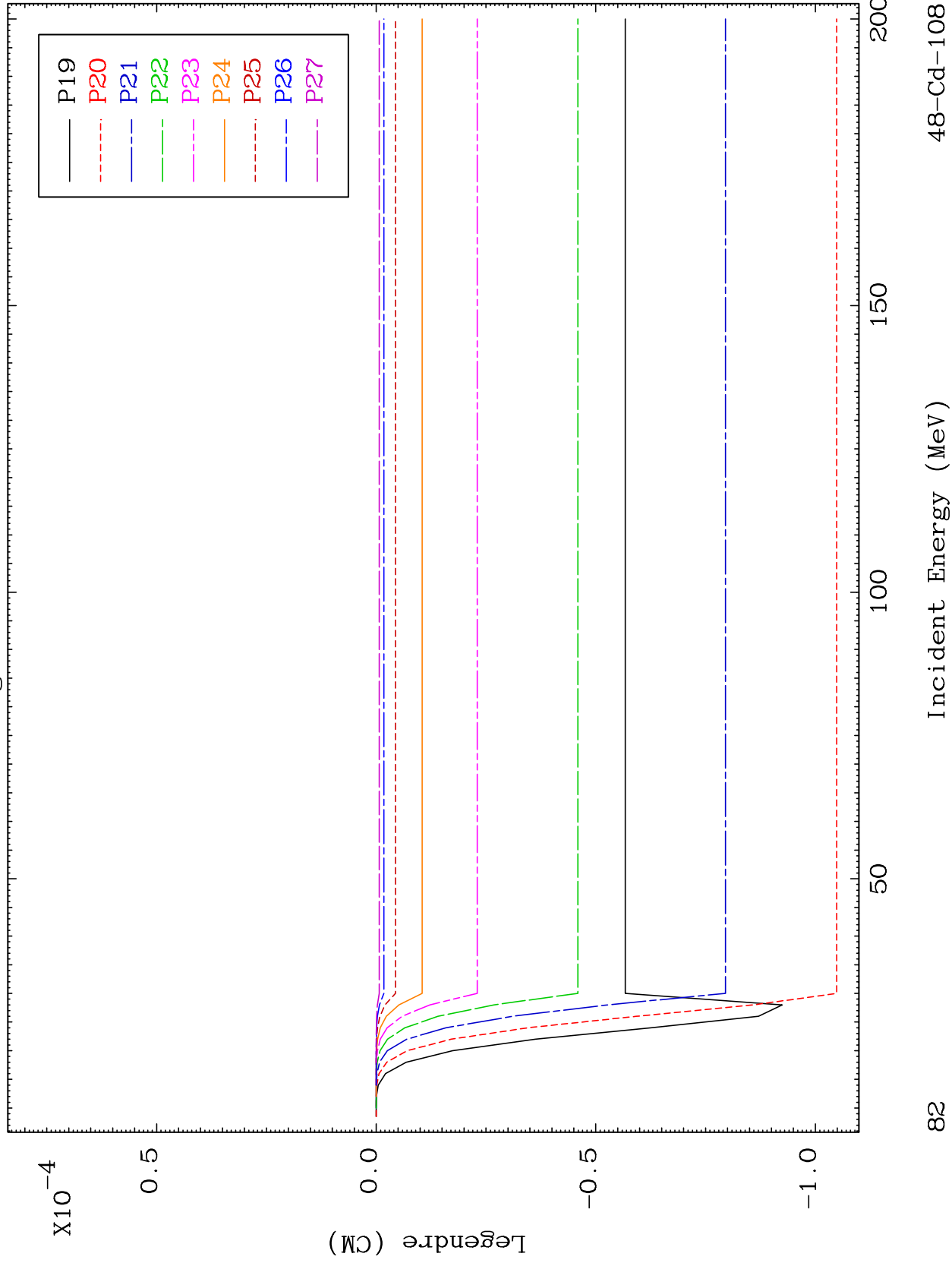
Incident Energy (MeV)

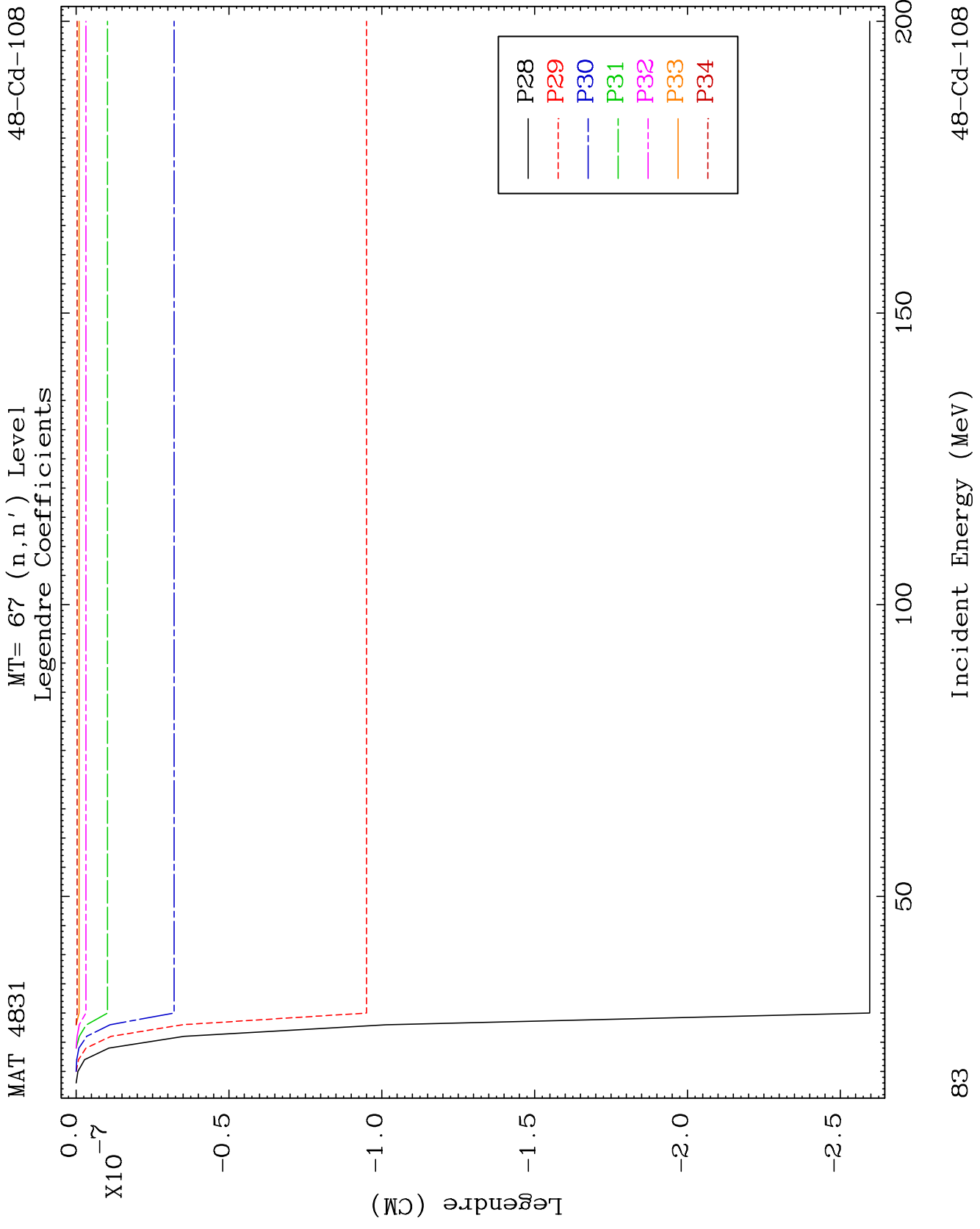
48-Cd-108

MAT 4831

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

48-Cd-108

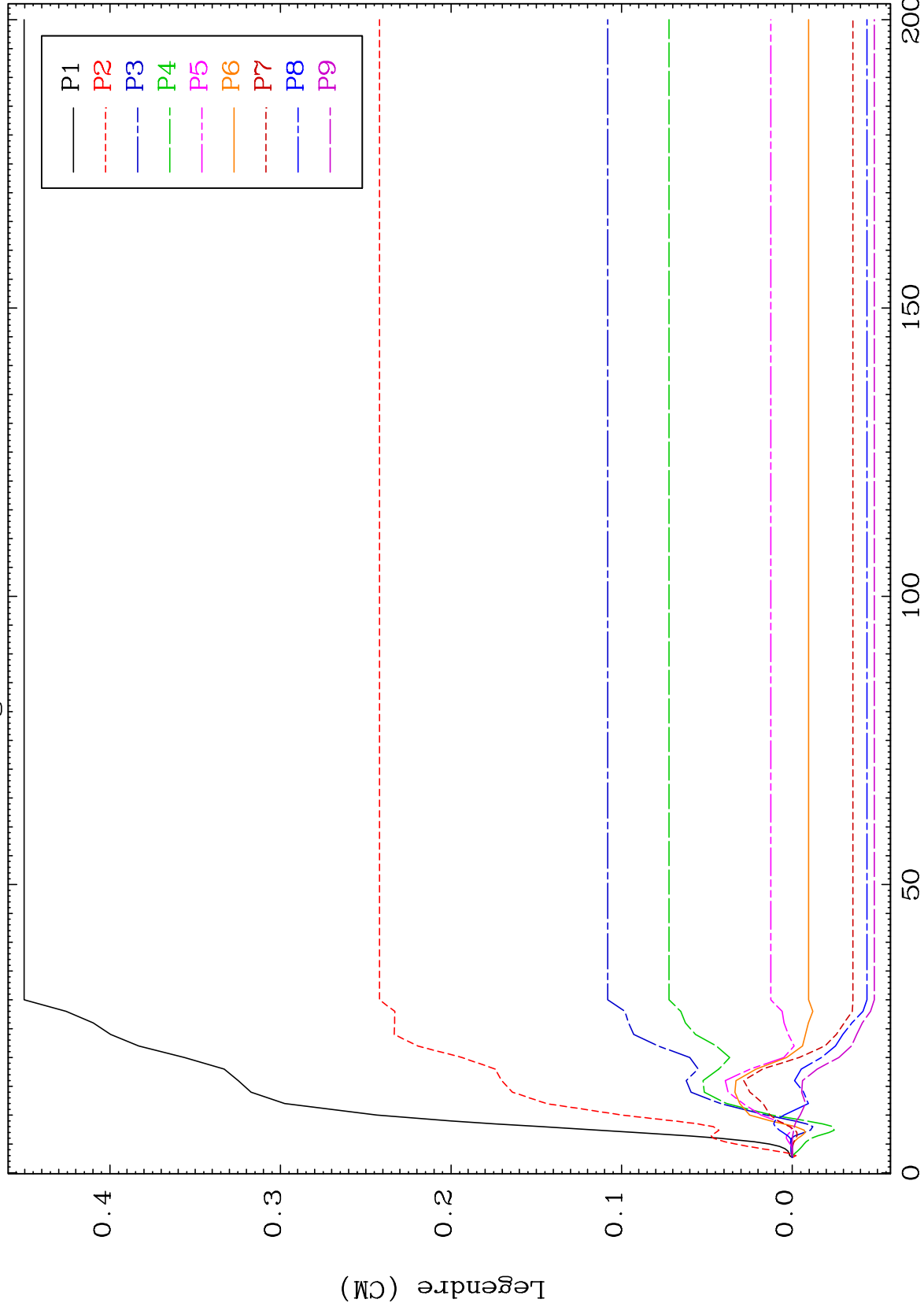




MAT 4831

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

48-Cd-108



84

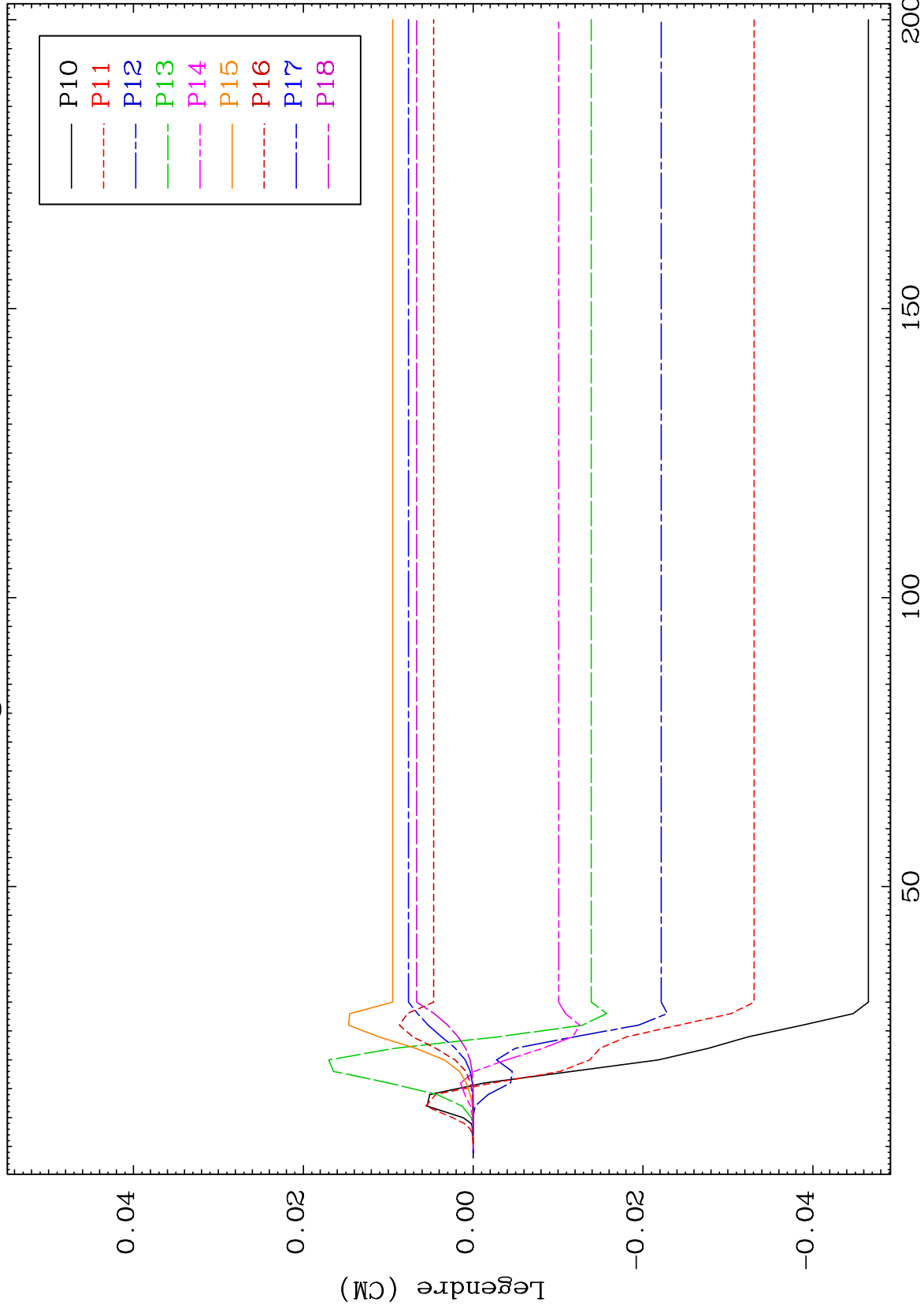
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

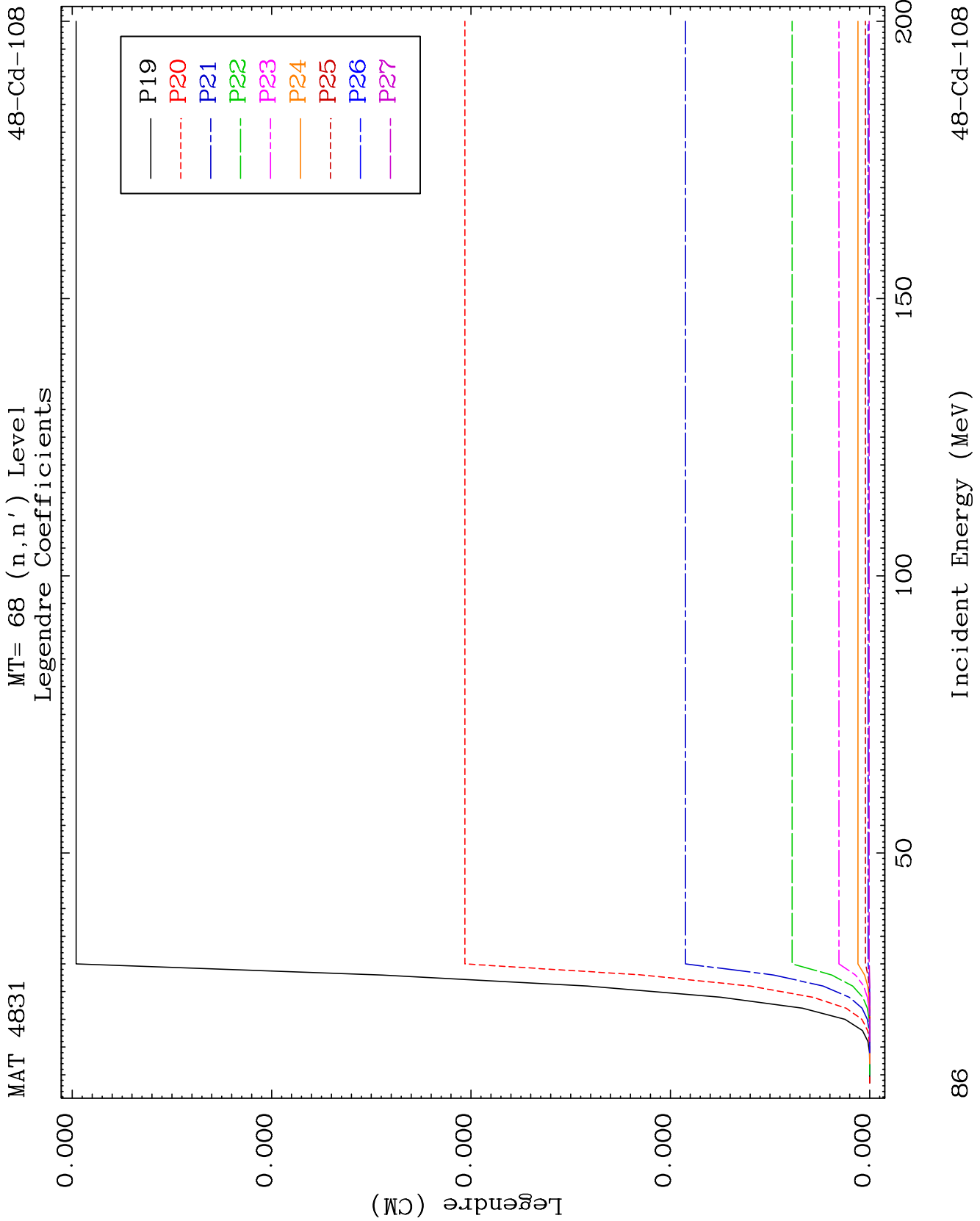
48-Cd-108



85

Incident Energy (MeV)

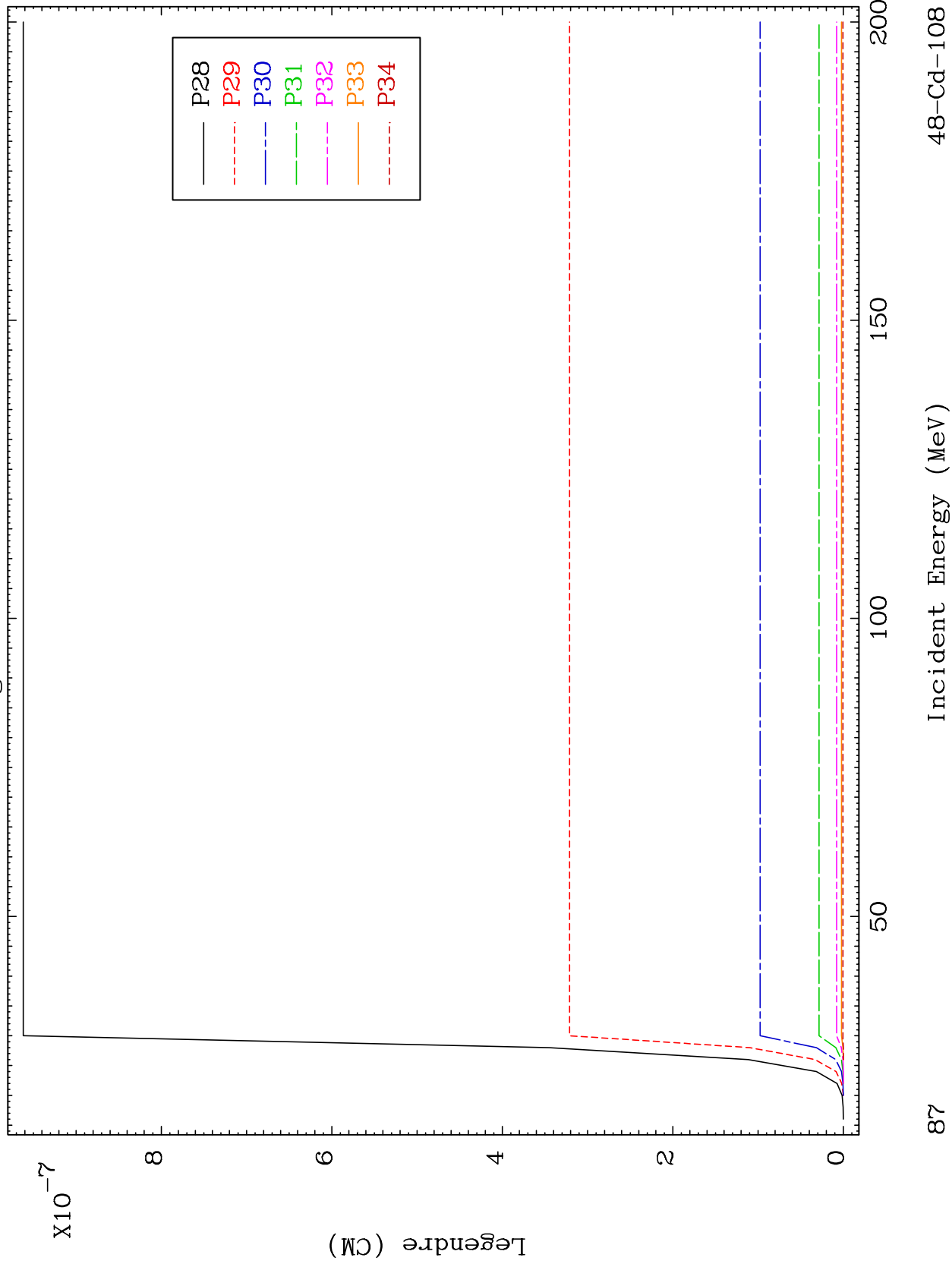
48-Cd-108



MAT 4831

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

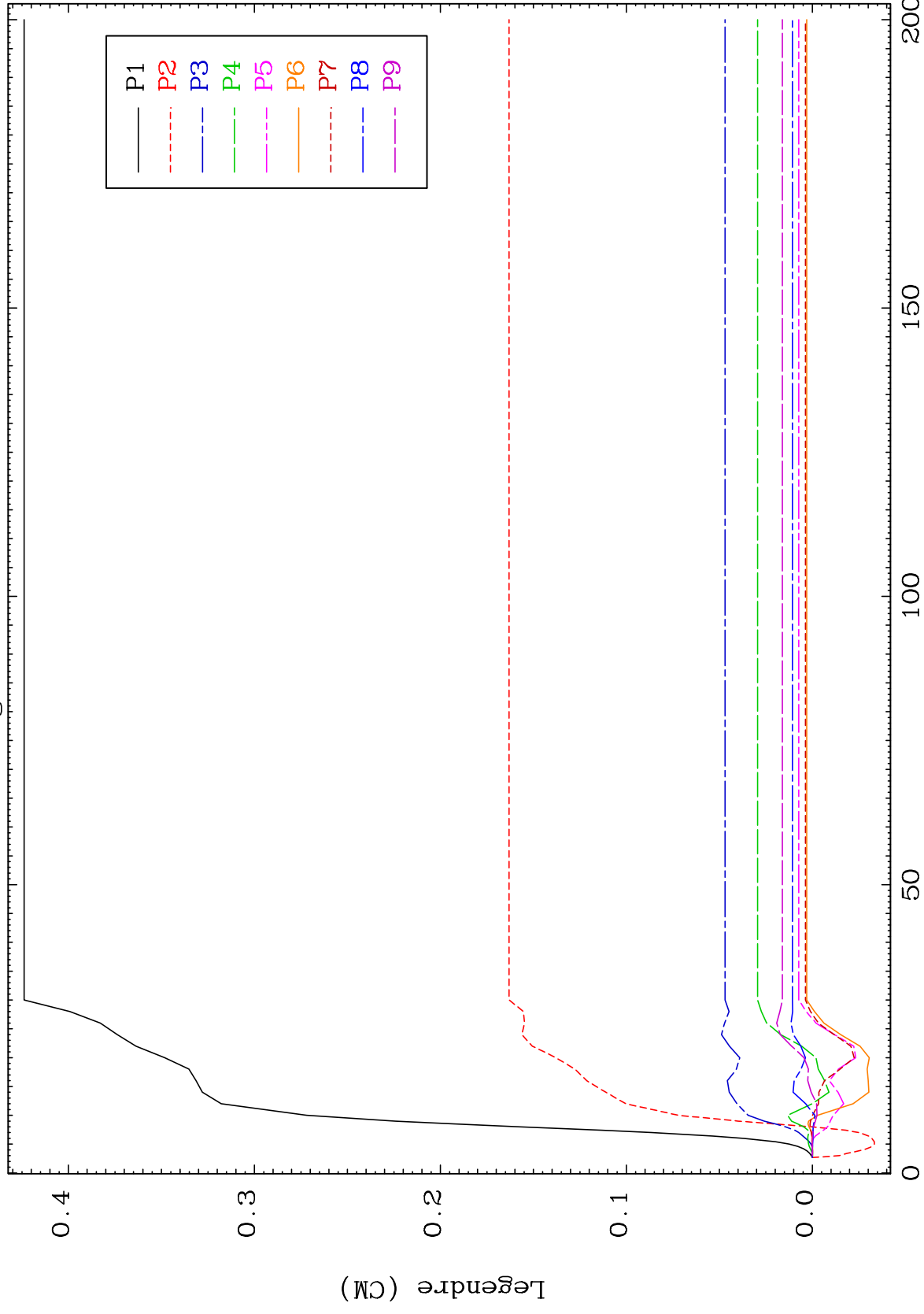
48-Cd-108



MAT 4831

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

48-Cd-108



88

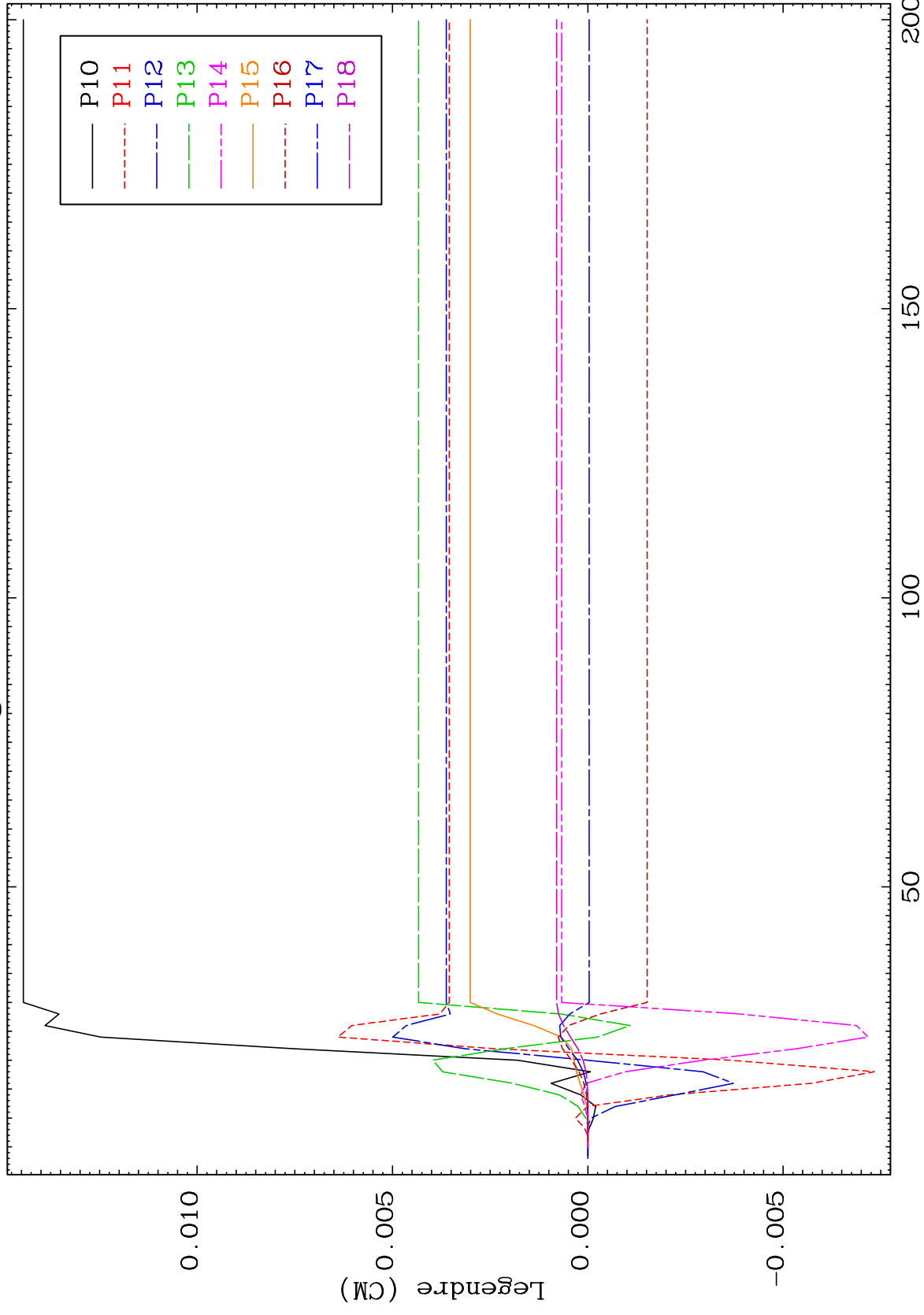
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108



89

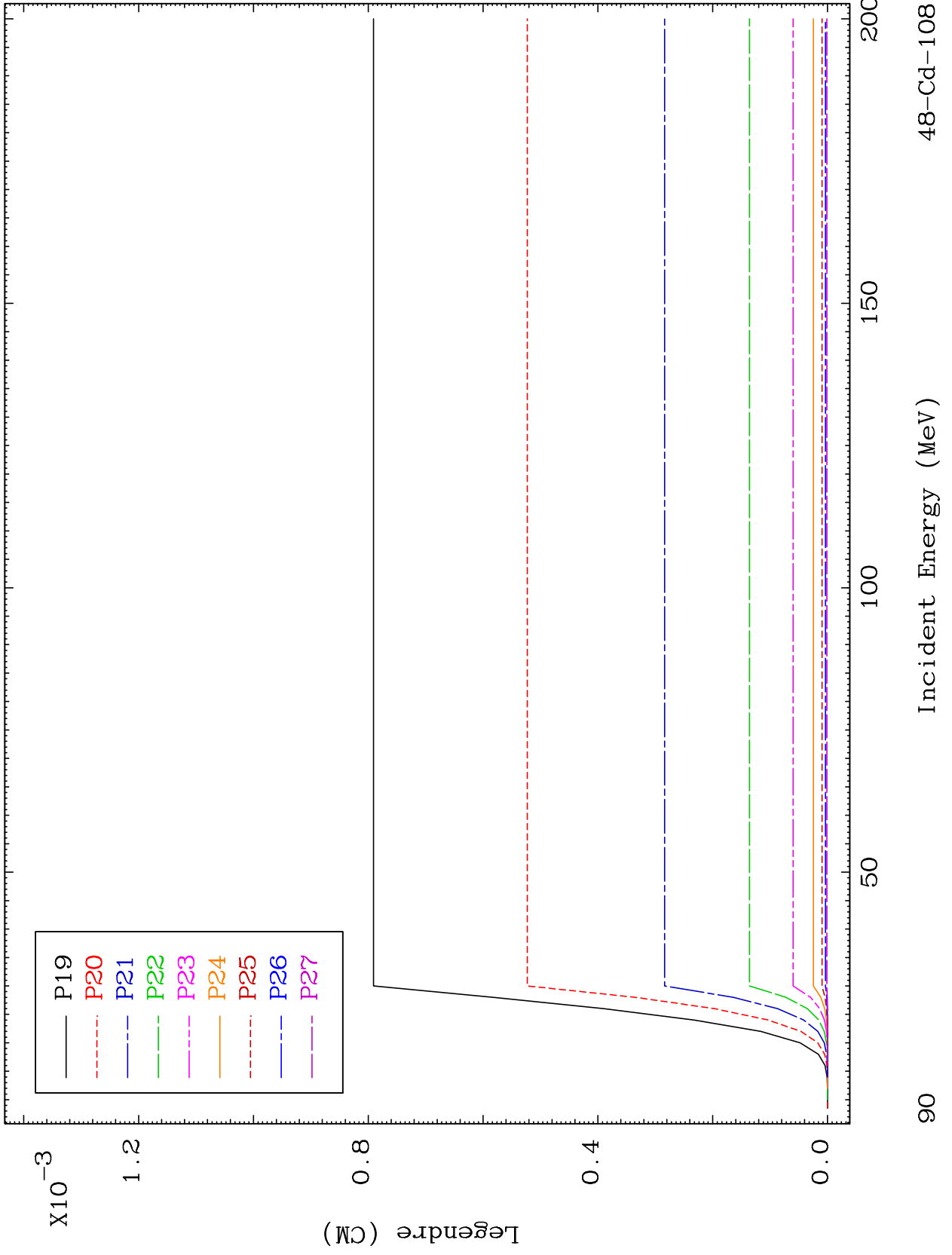
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

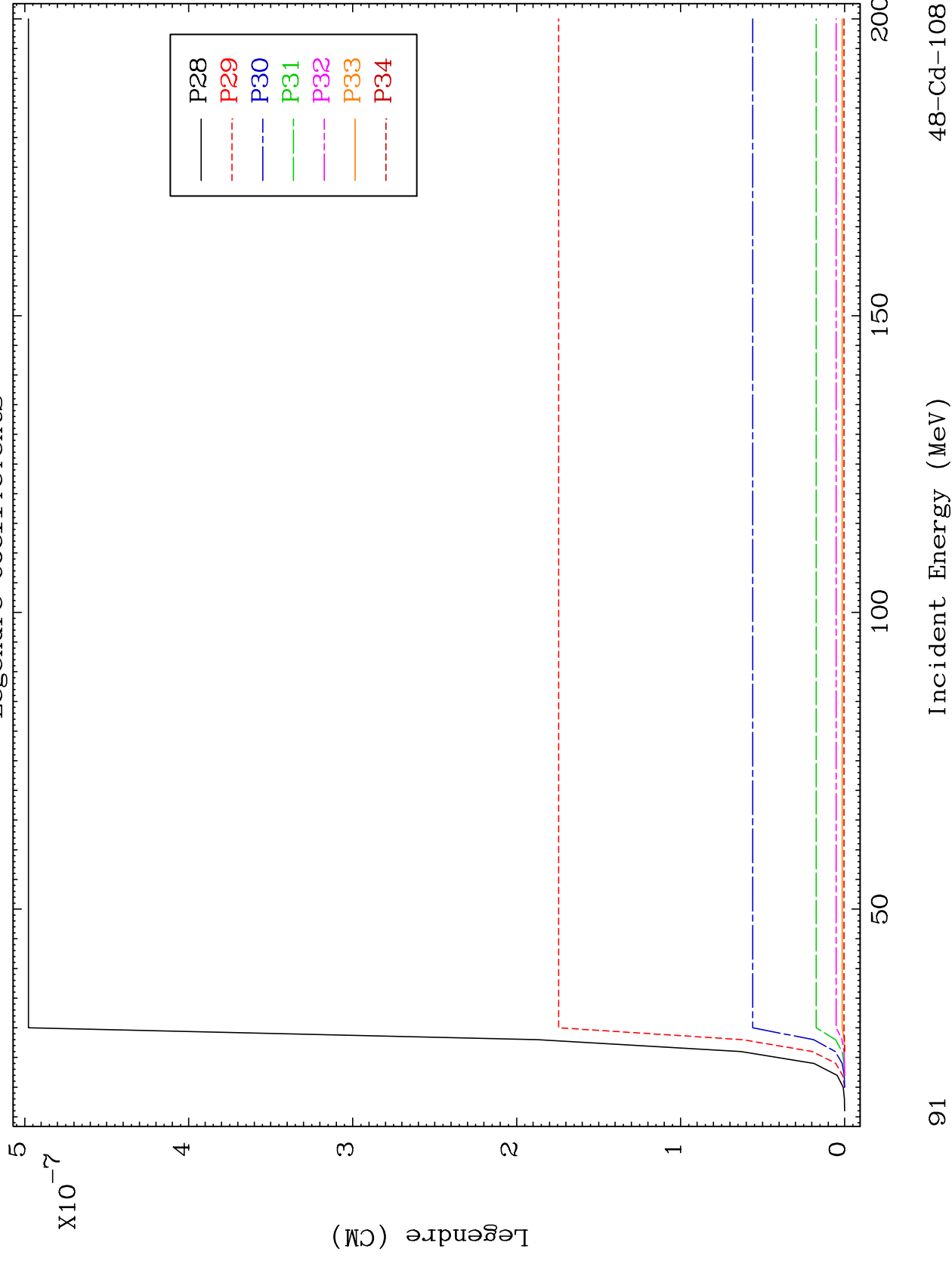
48-Cd-108

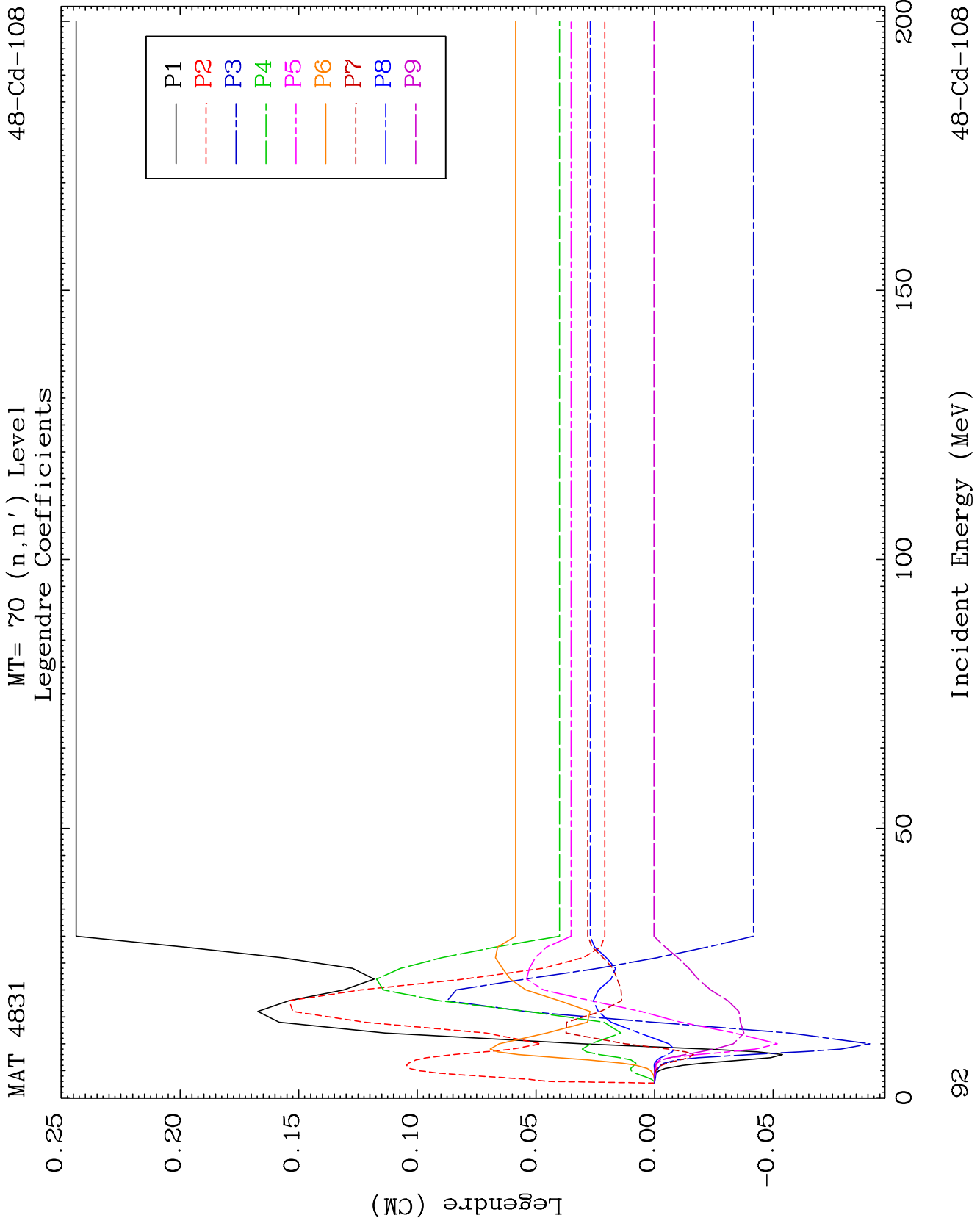


MAT 4831

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

48-Cd-108

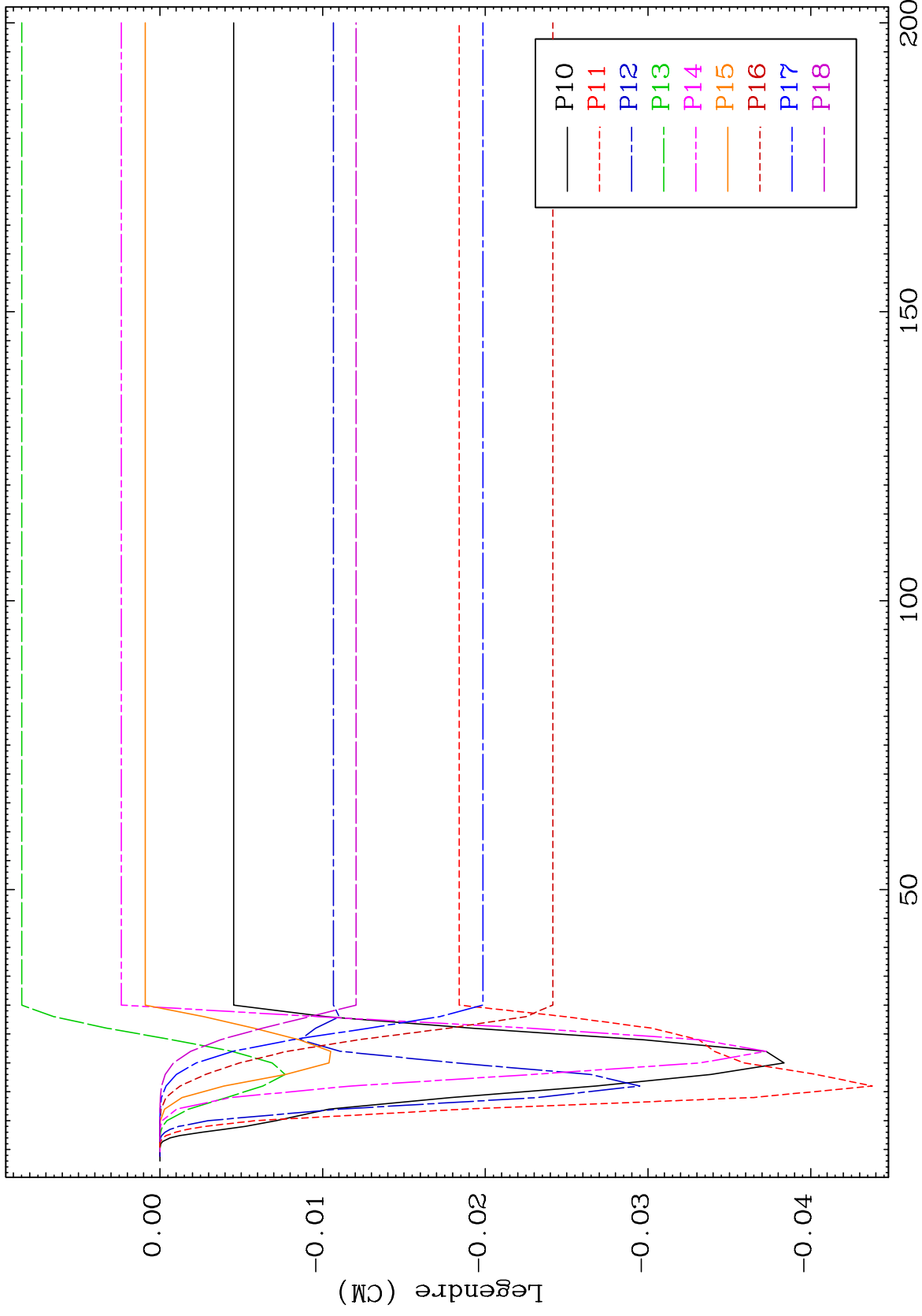




MAT 4831

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

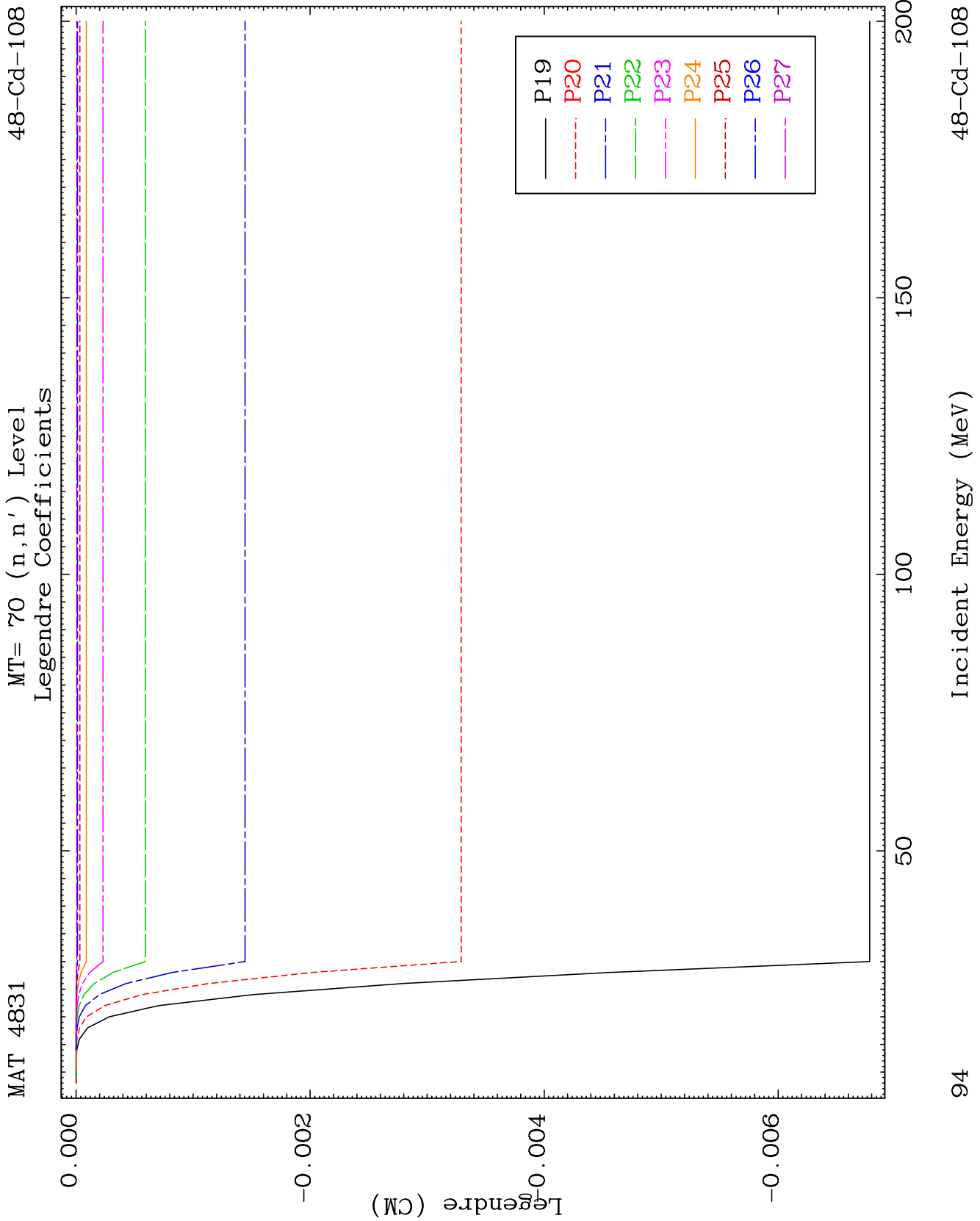
48-Cd-108

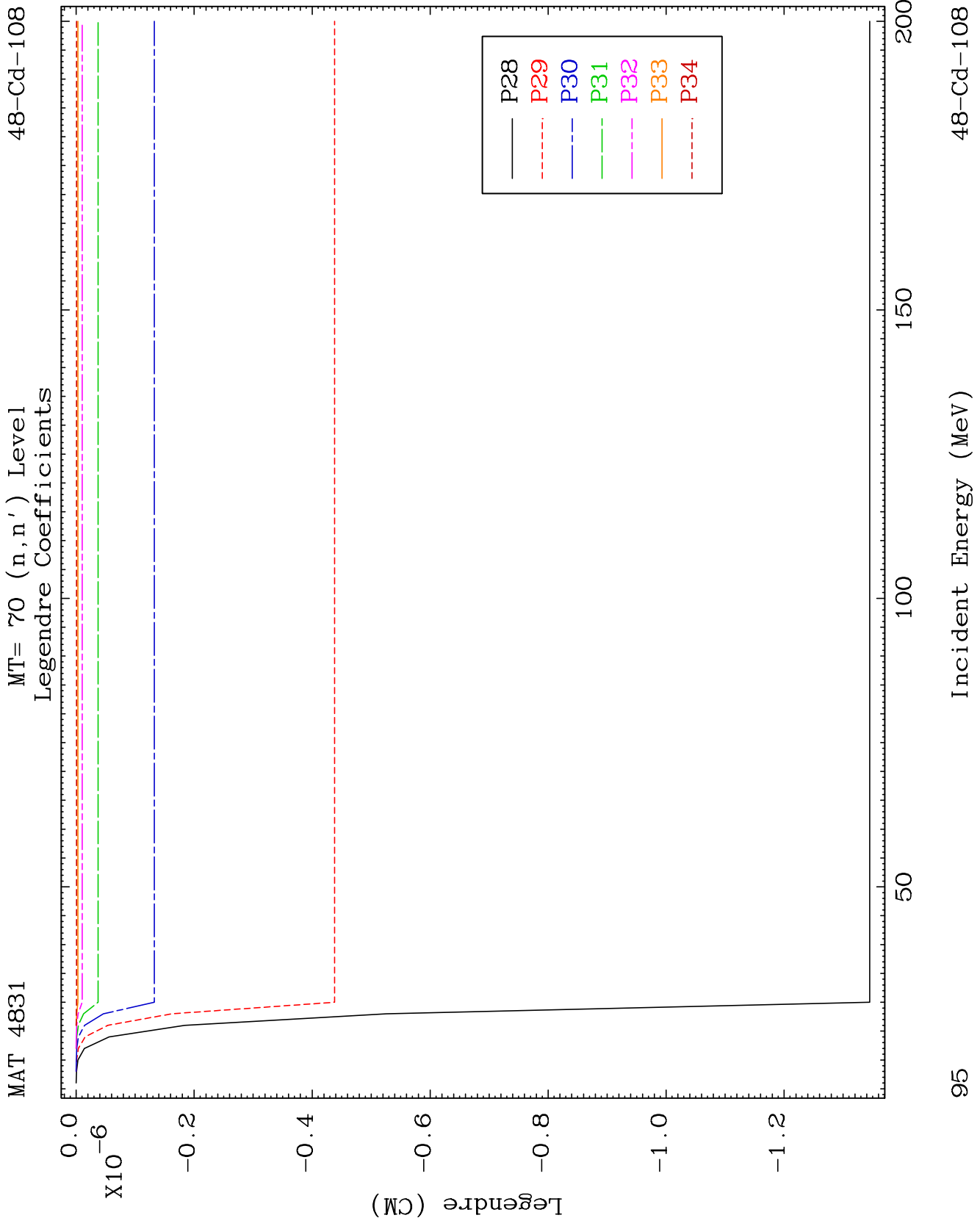


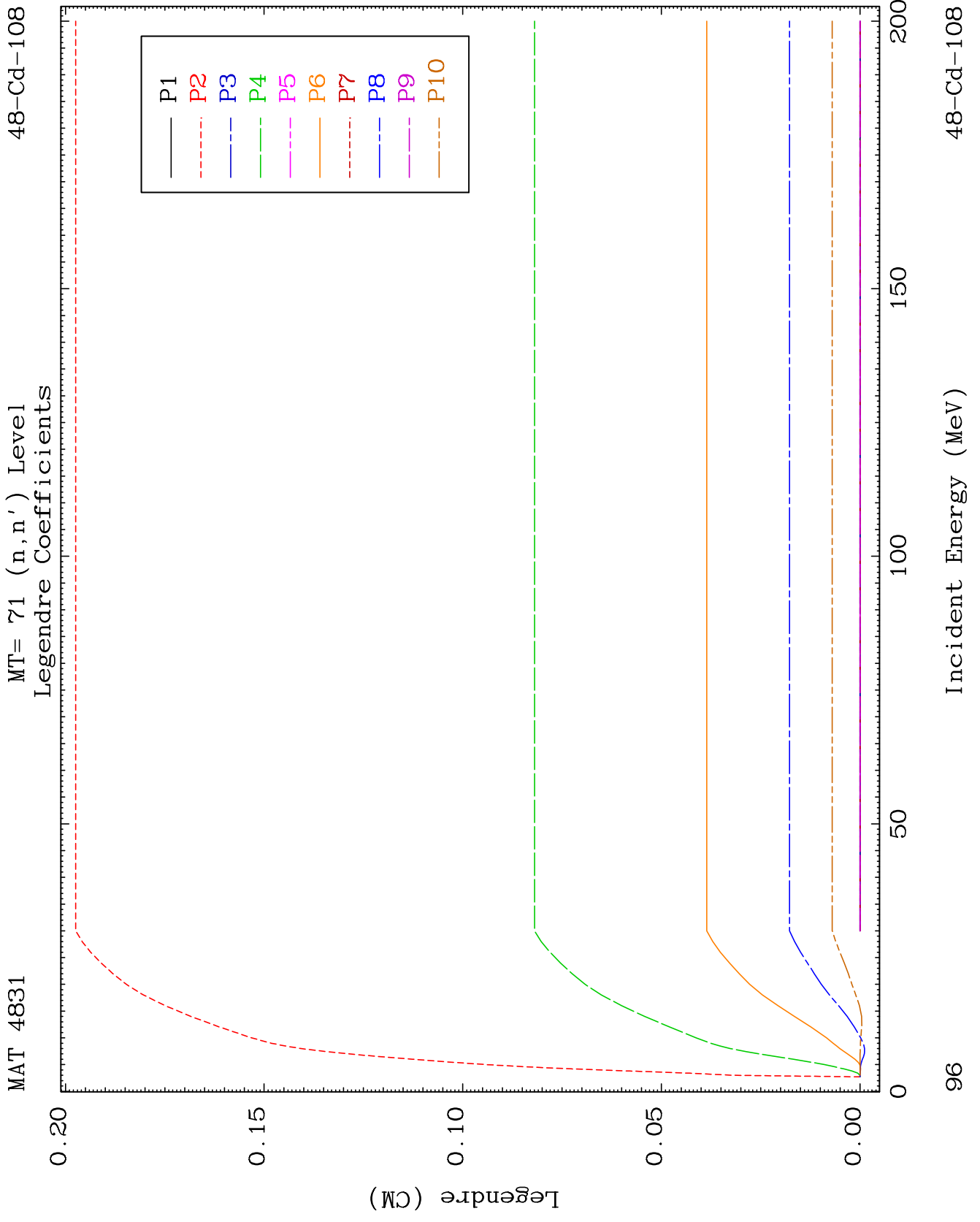
93

Incident Energy (MeV)

48-Cd-108



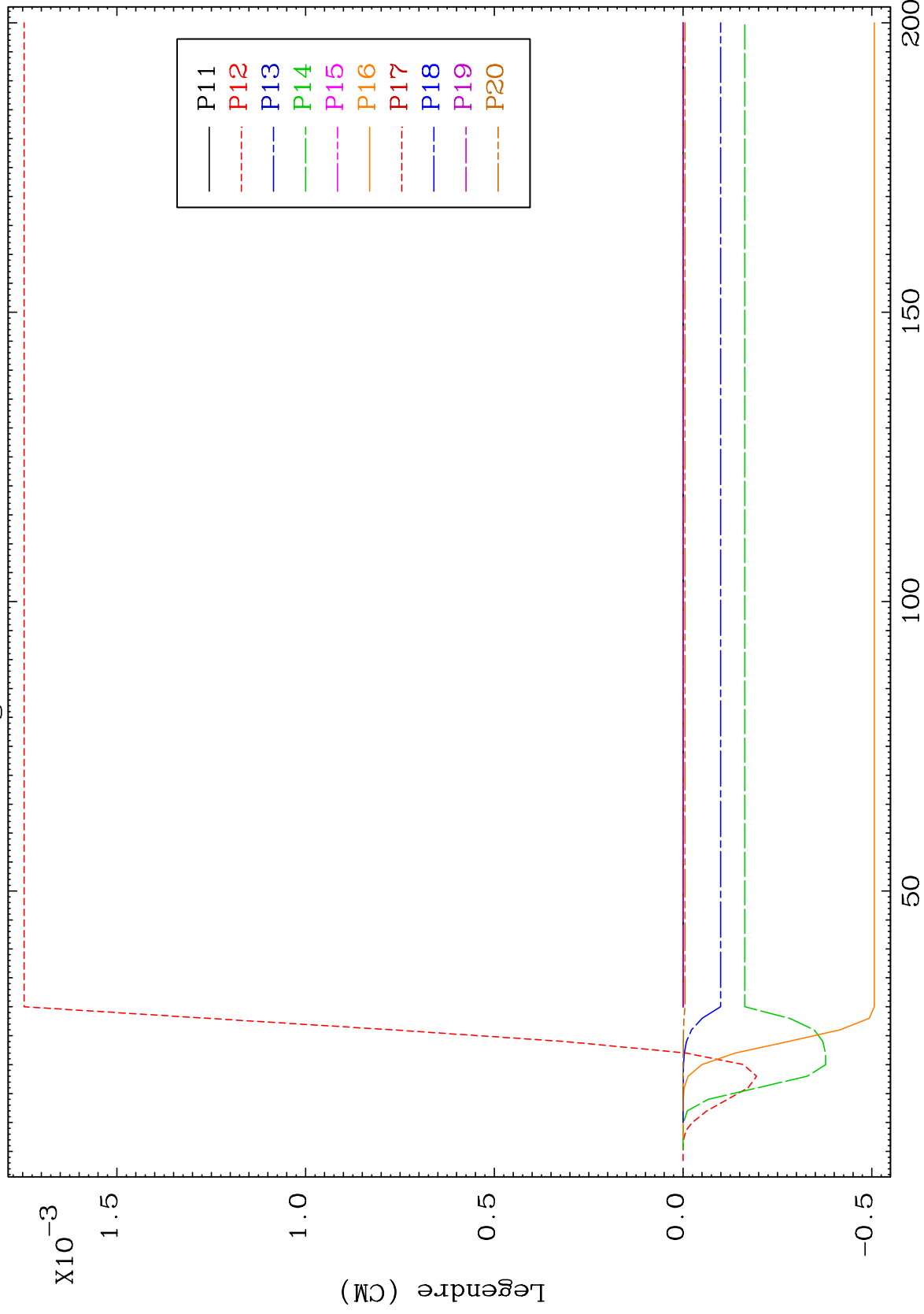




MAT 4831

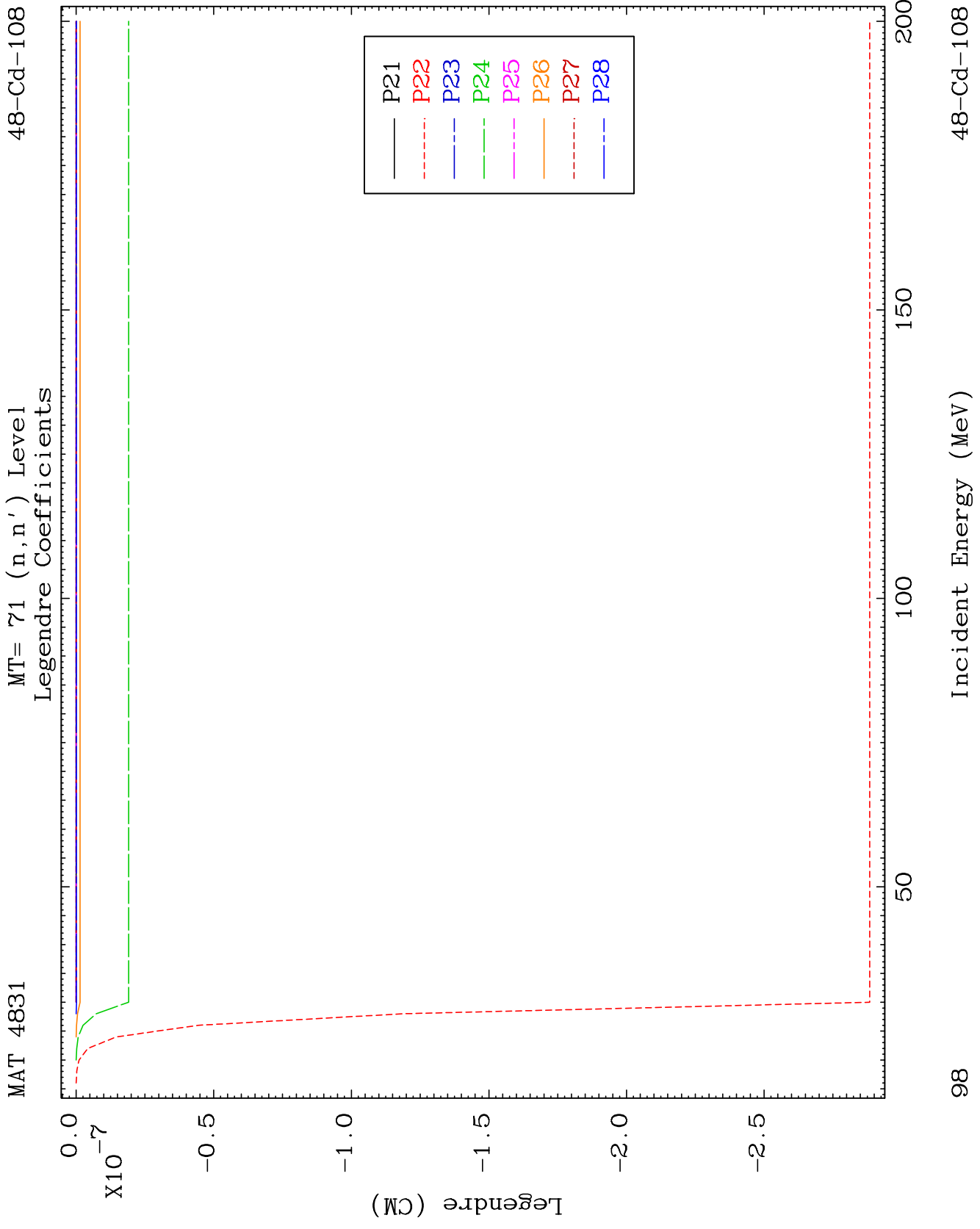
MT= 71 (n,n') Level
Legendre Coefficients

48-Cd-108



97

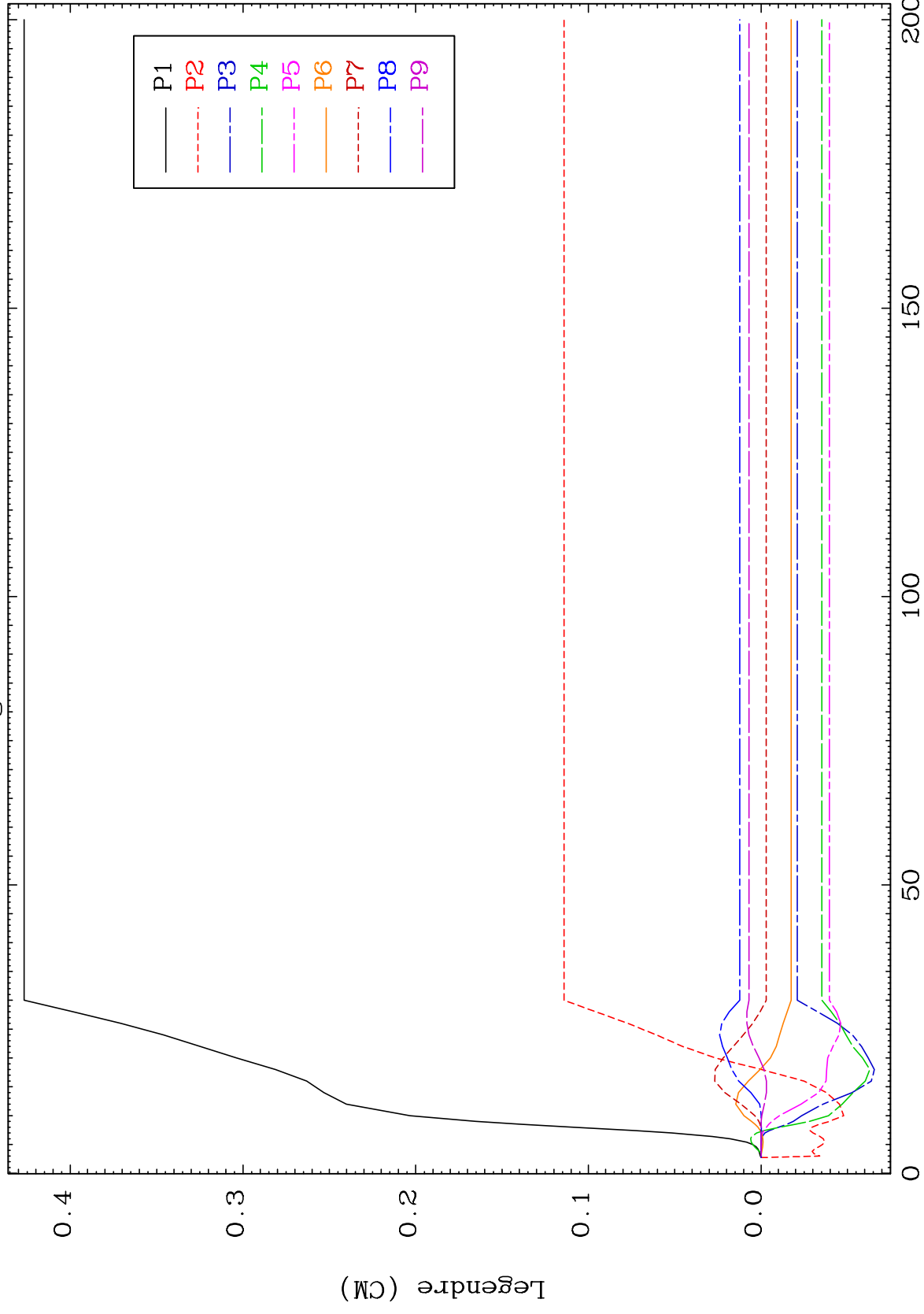
48-Cd-108



MAT 4831

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

48-Cd-108



99

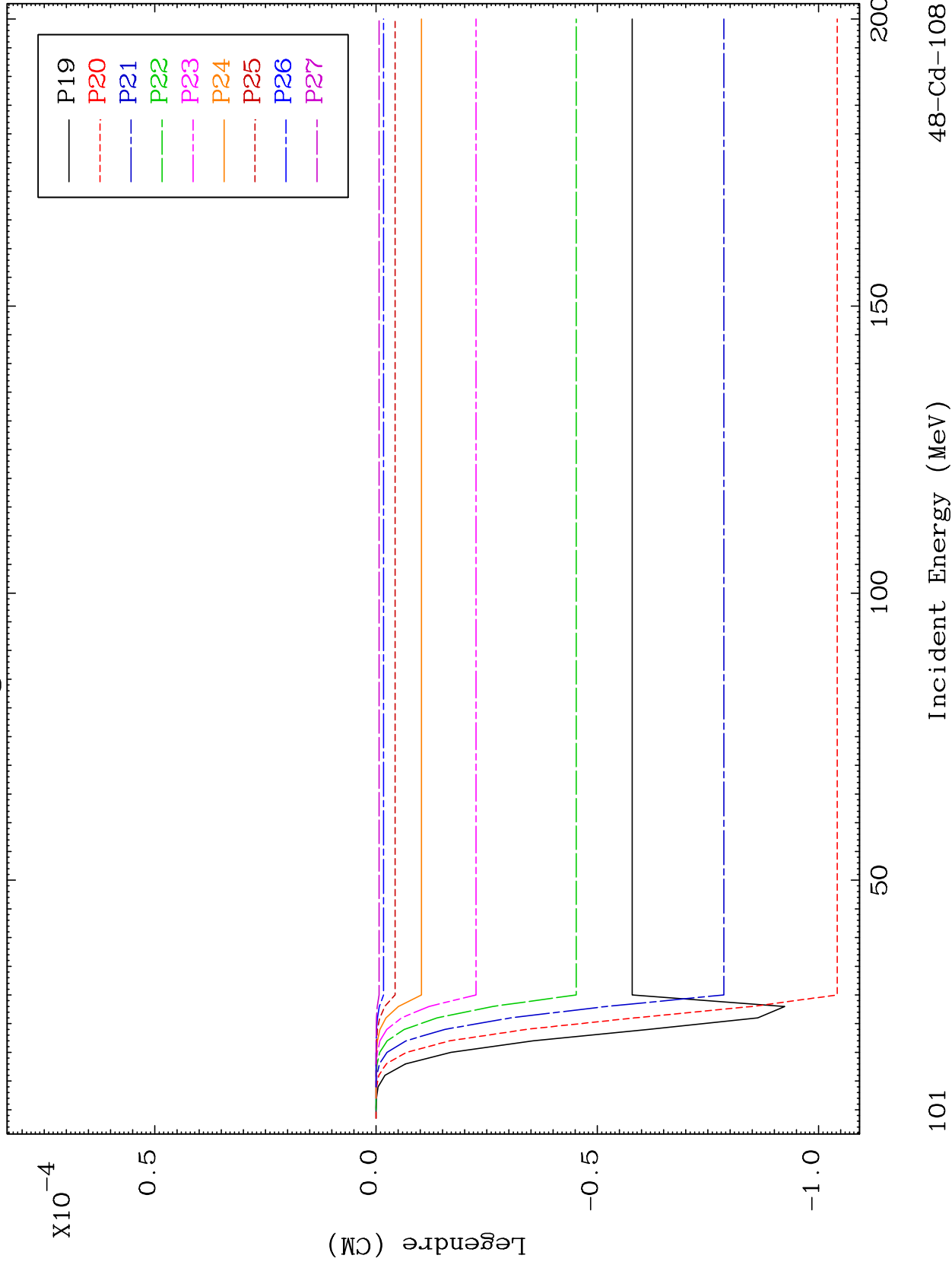
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

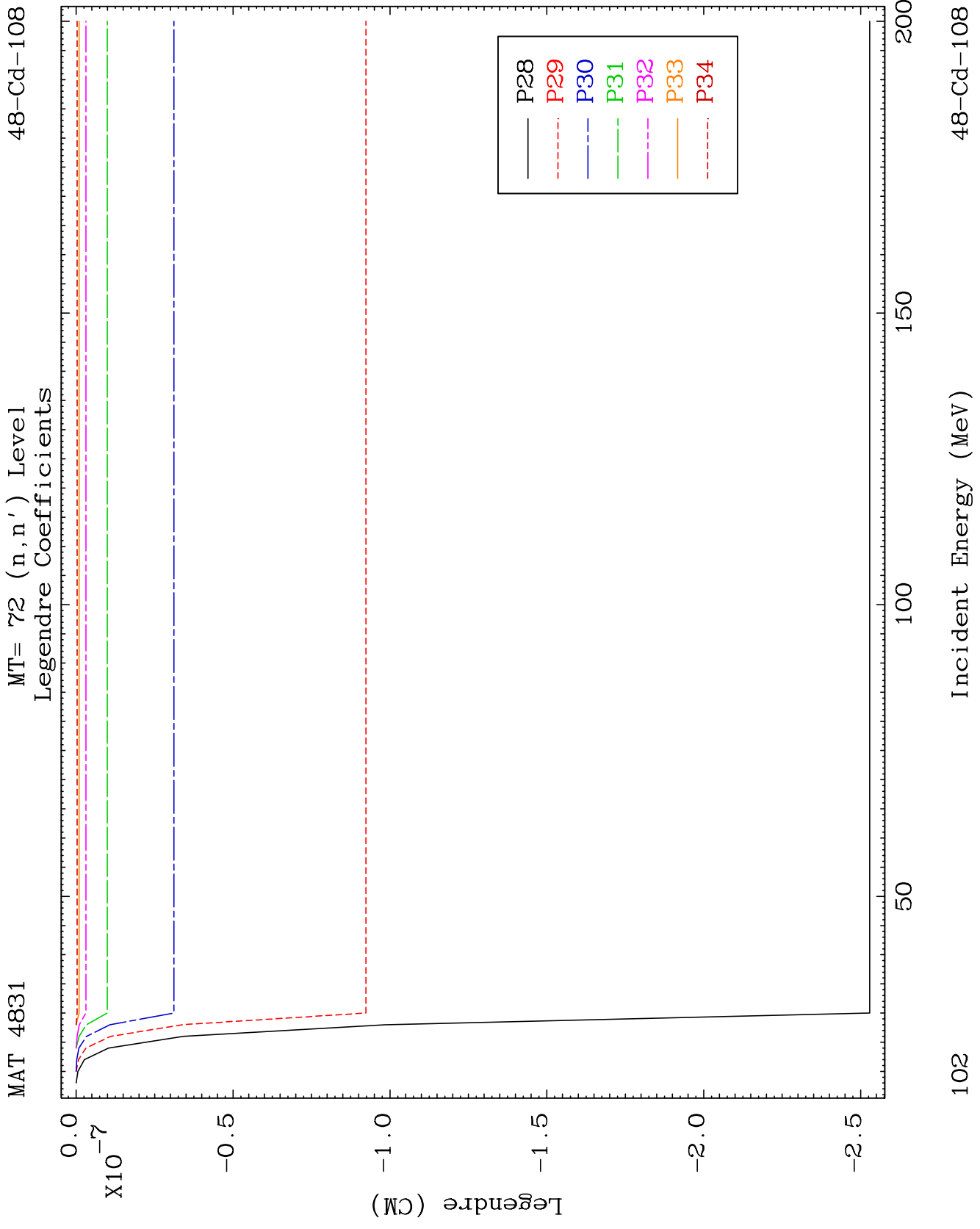
48-Cd-108



101

Incident Energy (MeV)

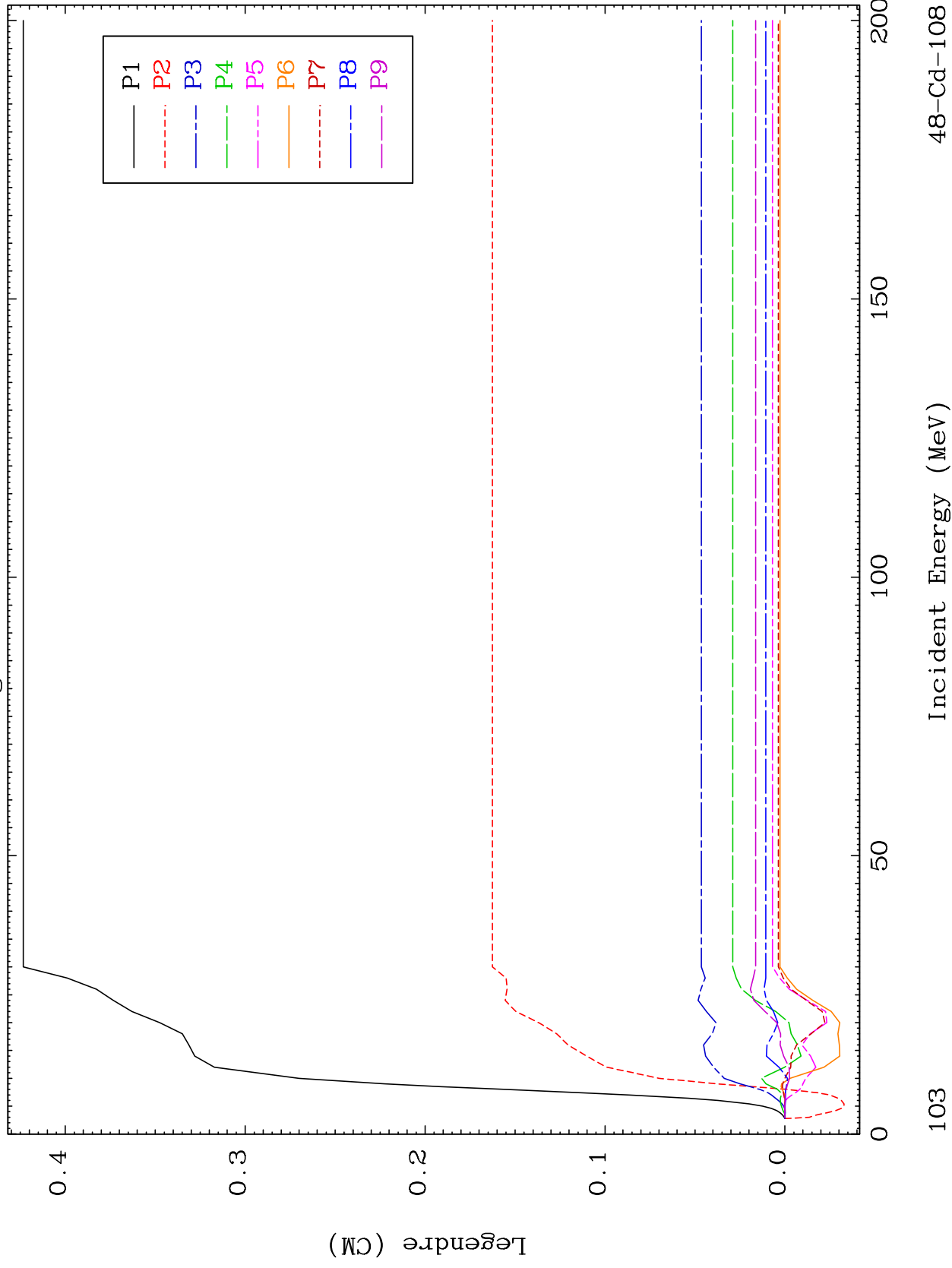
48-Cd-108



MAT 4831

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

48-Cd-108



48-Cd-108

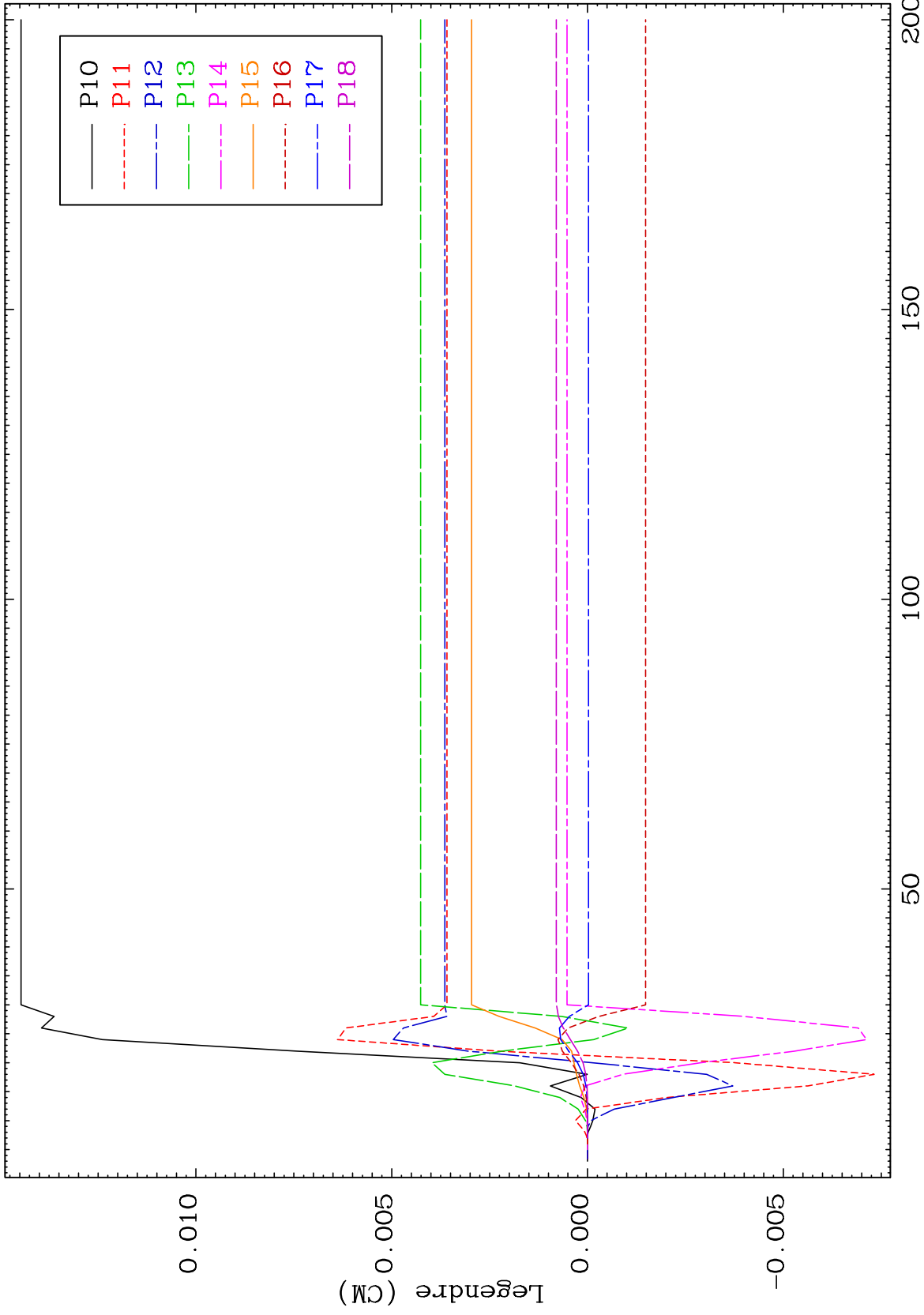
Incident Energy (MeV)

103

MAT 4831

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

48-Cd-108



104

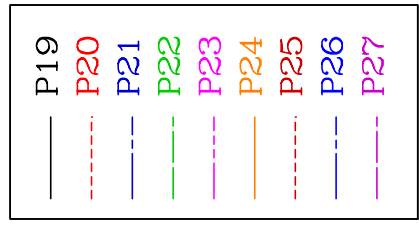
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108



$\times 10^{-3}$

1.2

0.8

Legendre (CM)

0.4

0.0

50

100

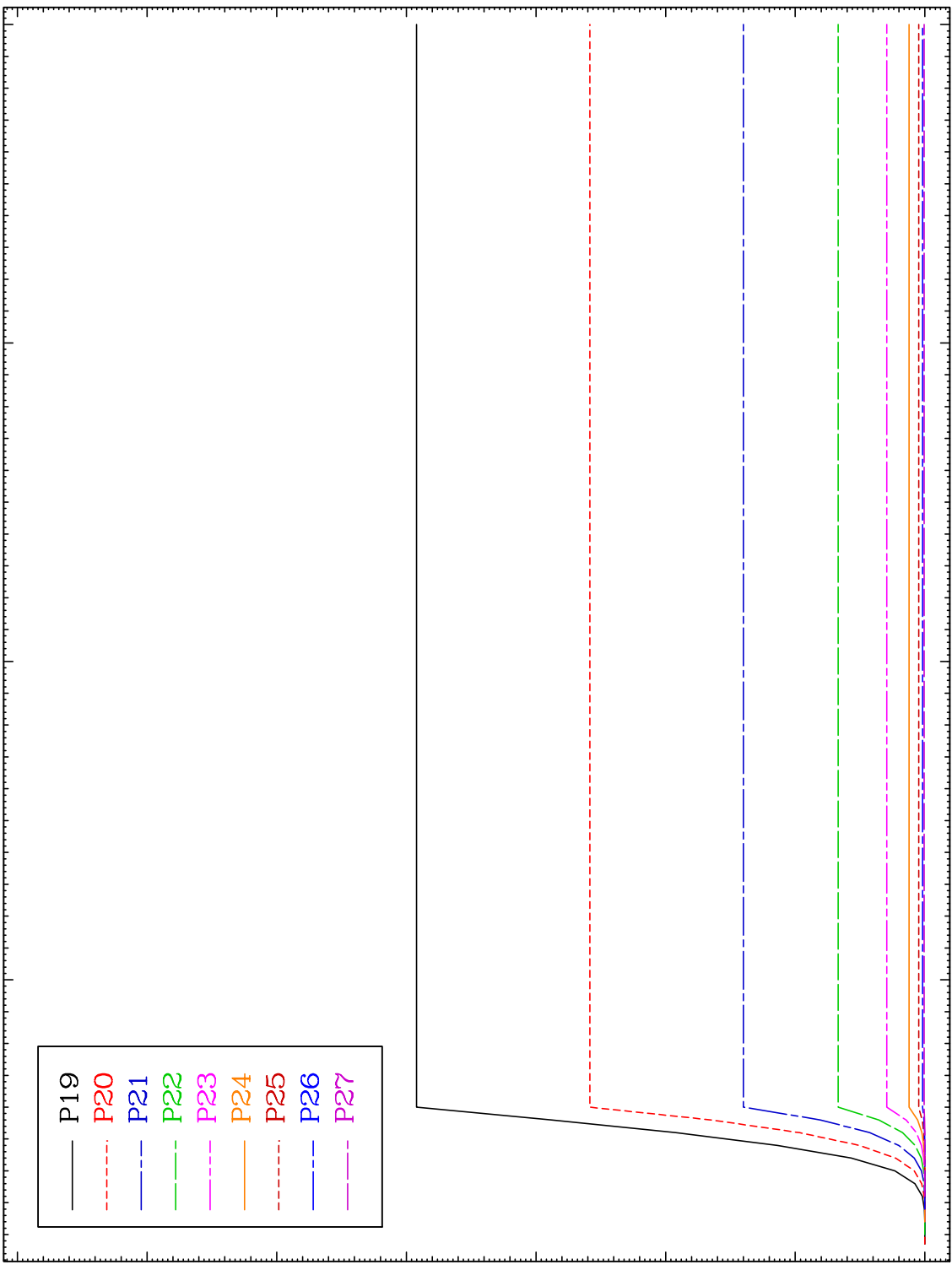
150

200

105

Incident Energy (MeV)

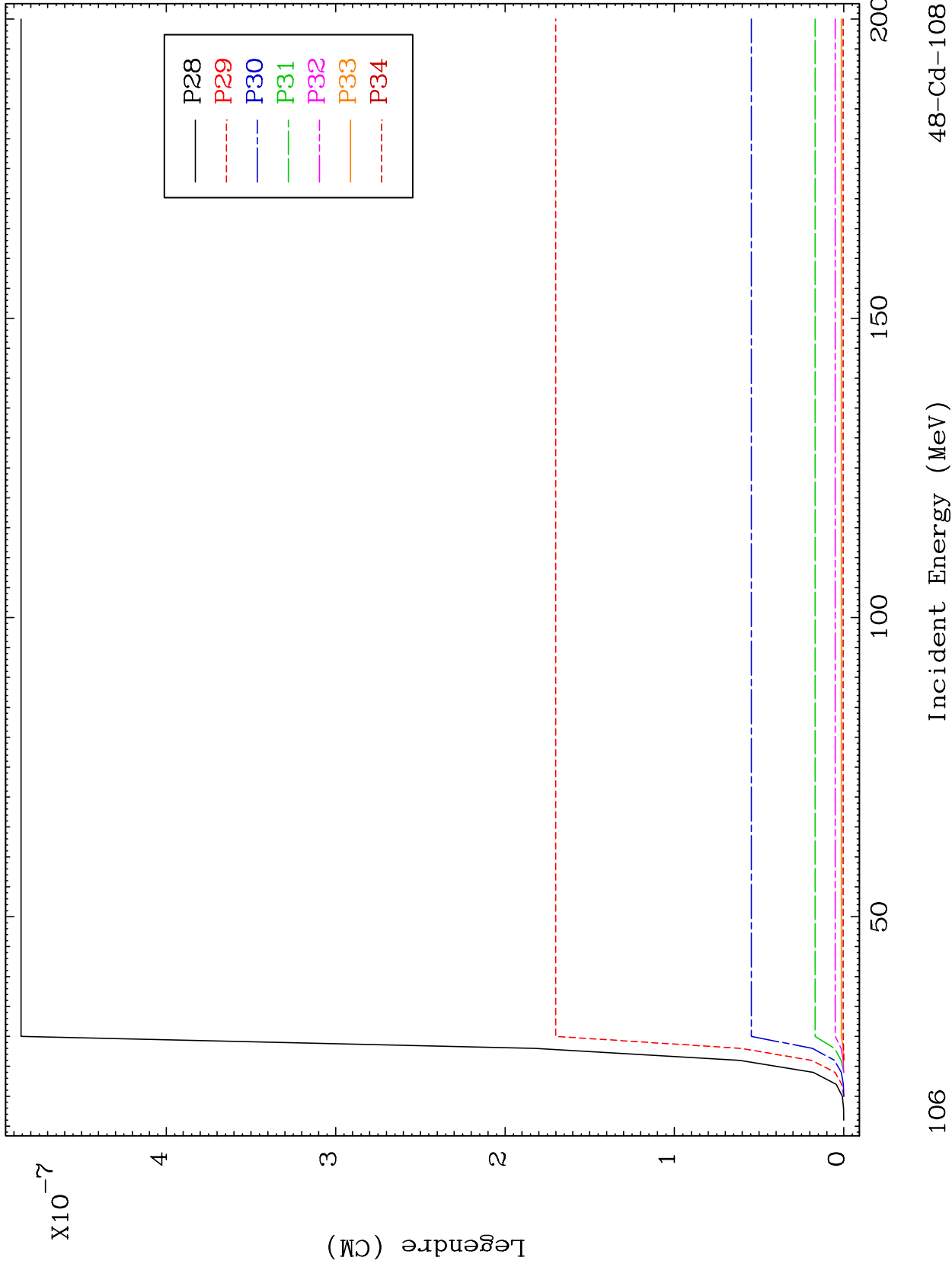
48-Cd-108



MAT 4831

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

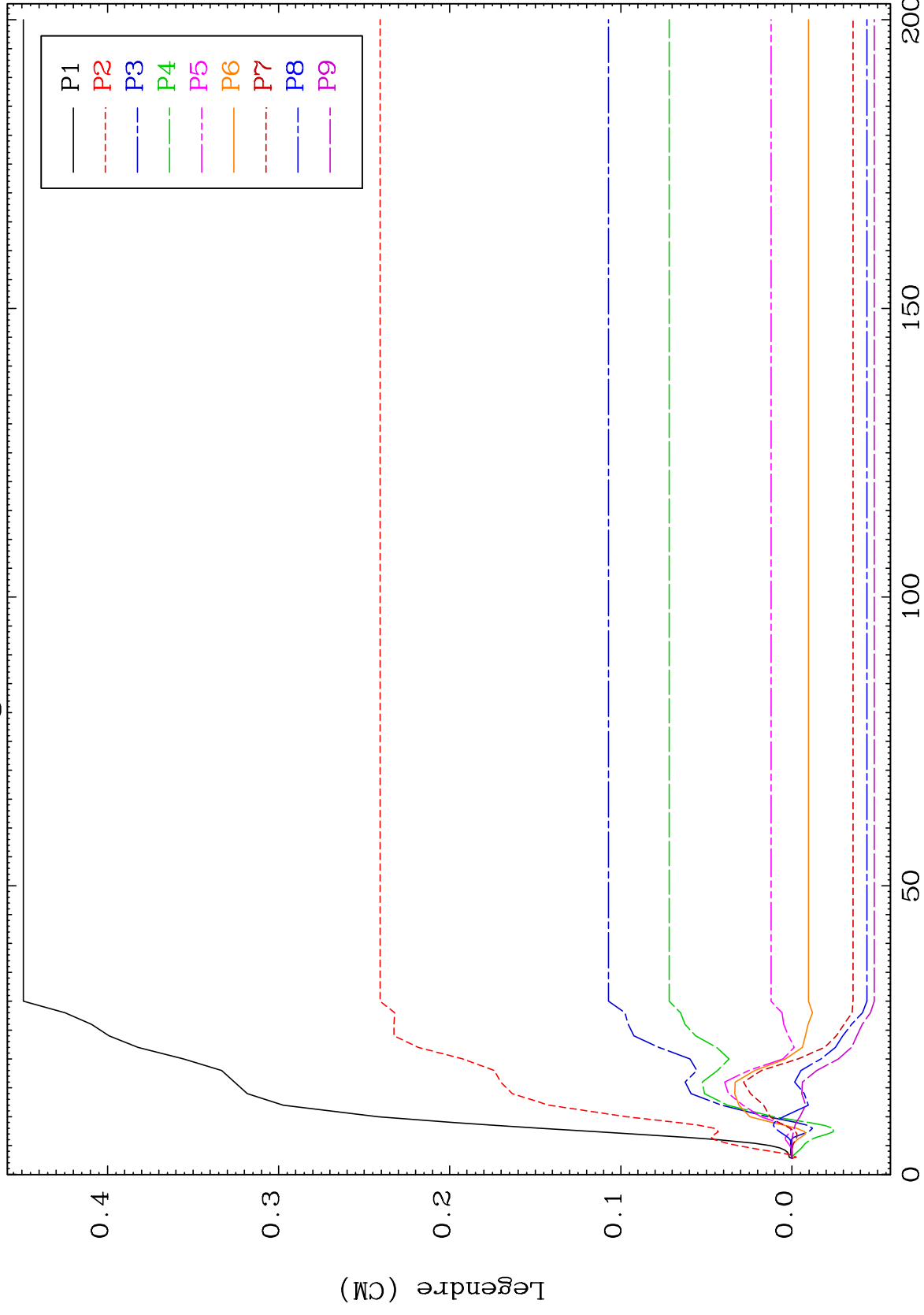
48-Cd-108



MAT 4831

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

48-Cd-108



107

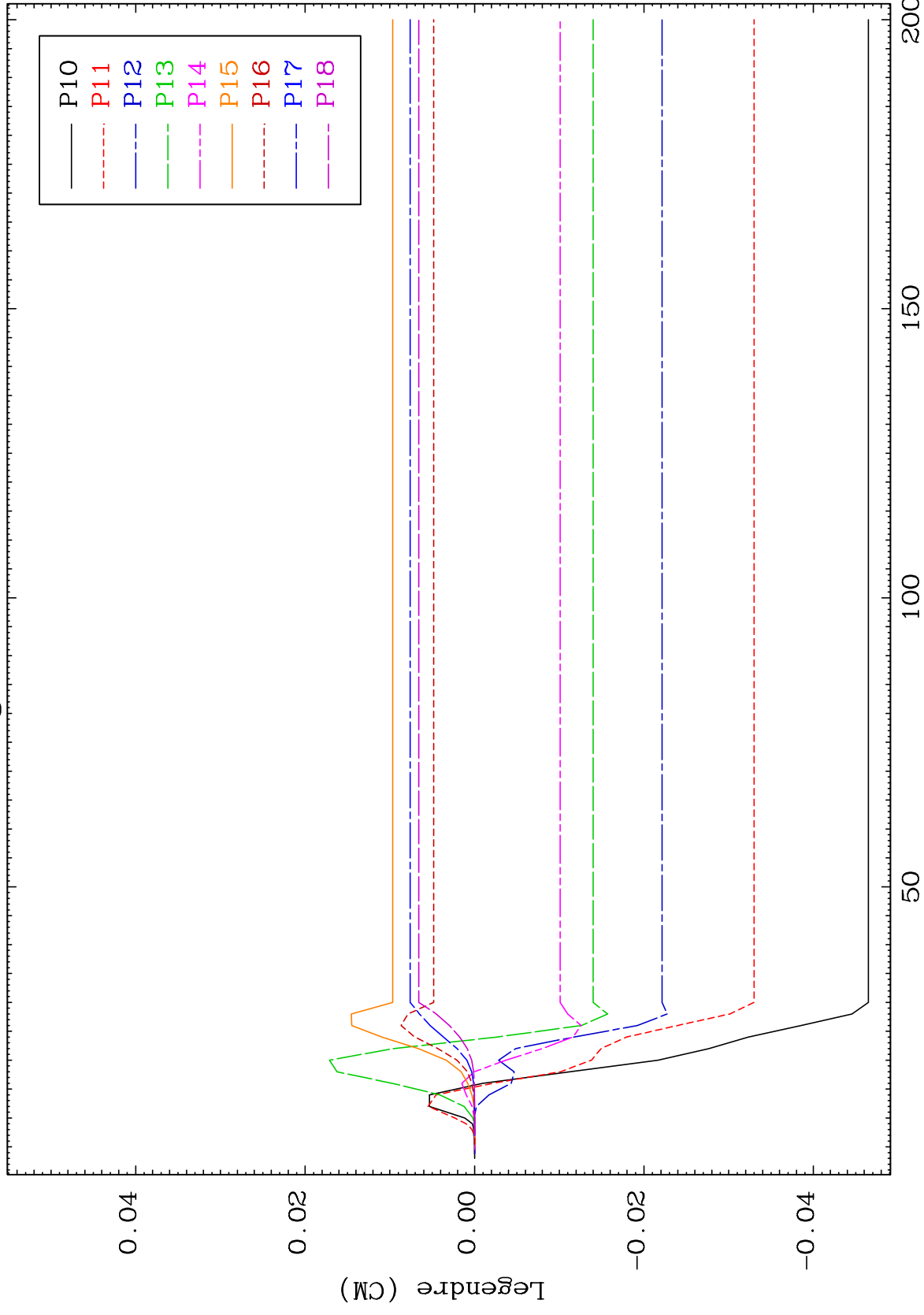
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

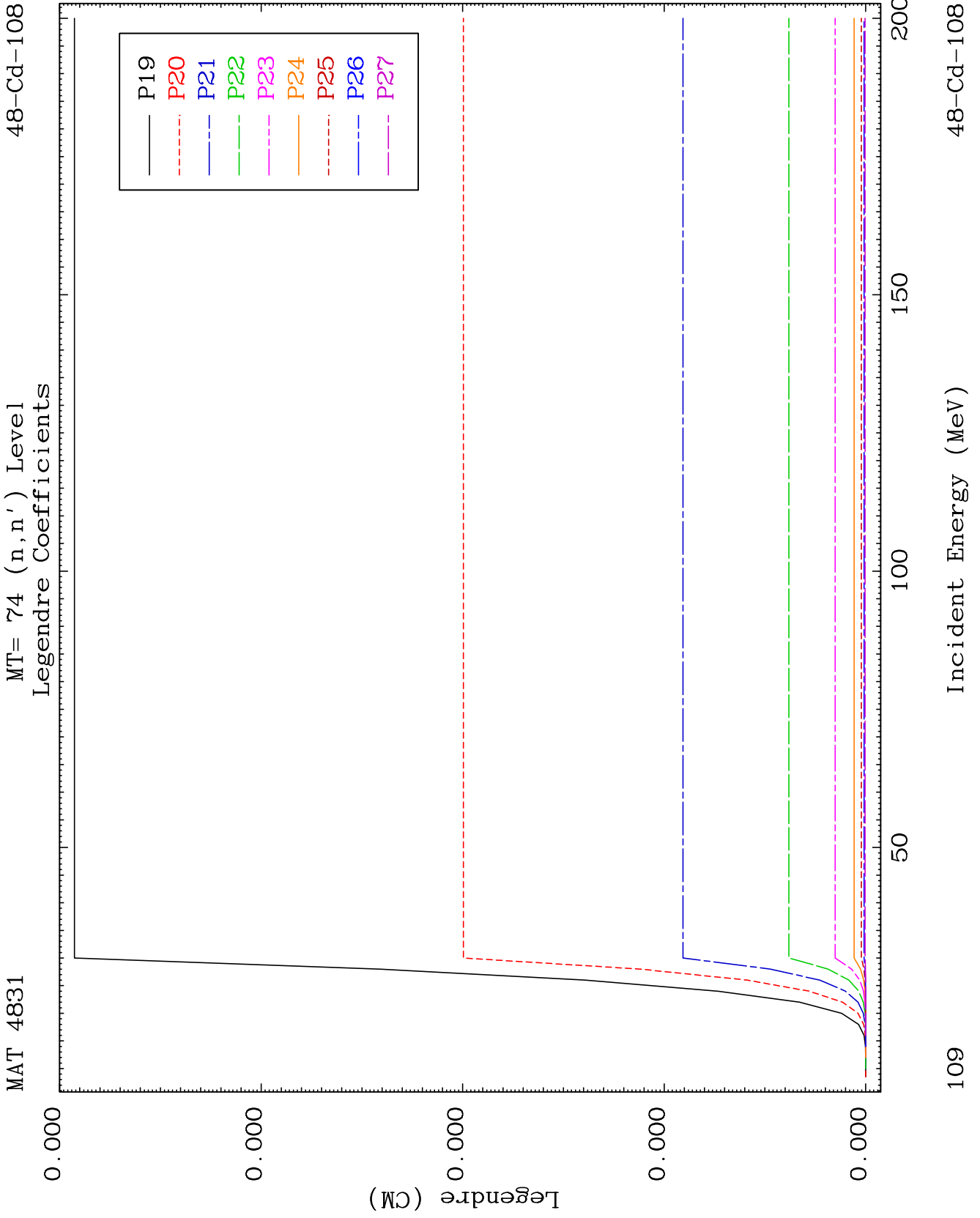
48-Cd-108



108

Incident Energy (MeV)

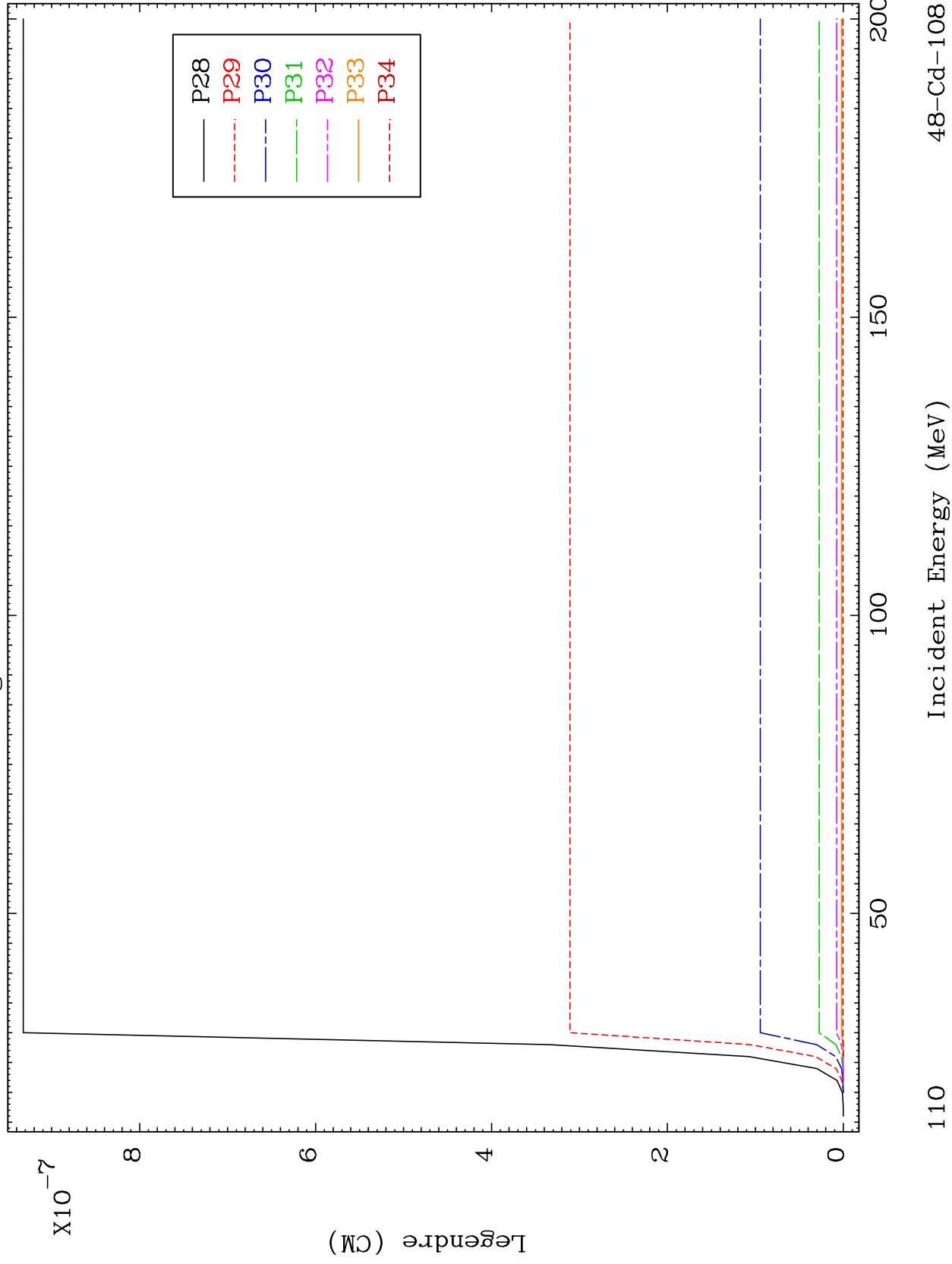
48-Cd-108



MAT 4831

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

48-Cd-108



48-Cd-108

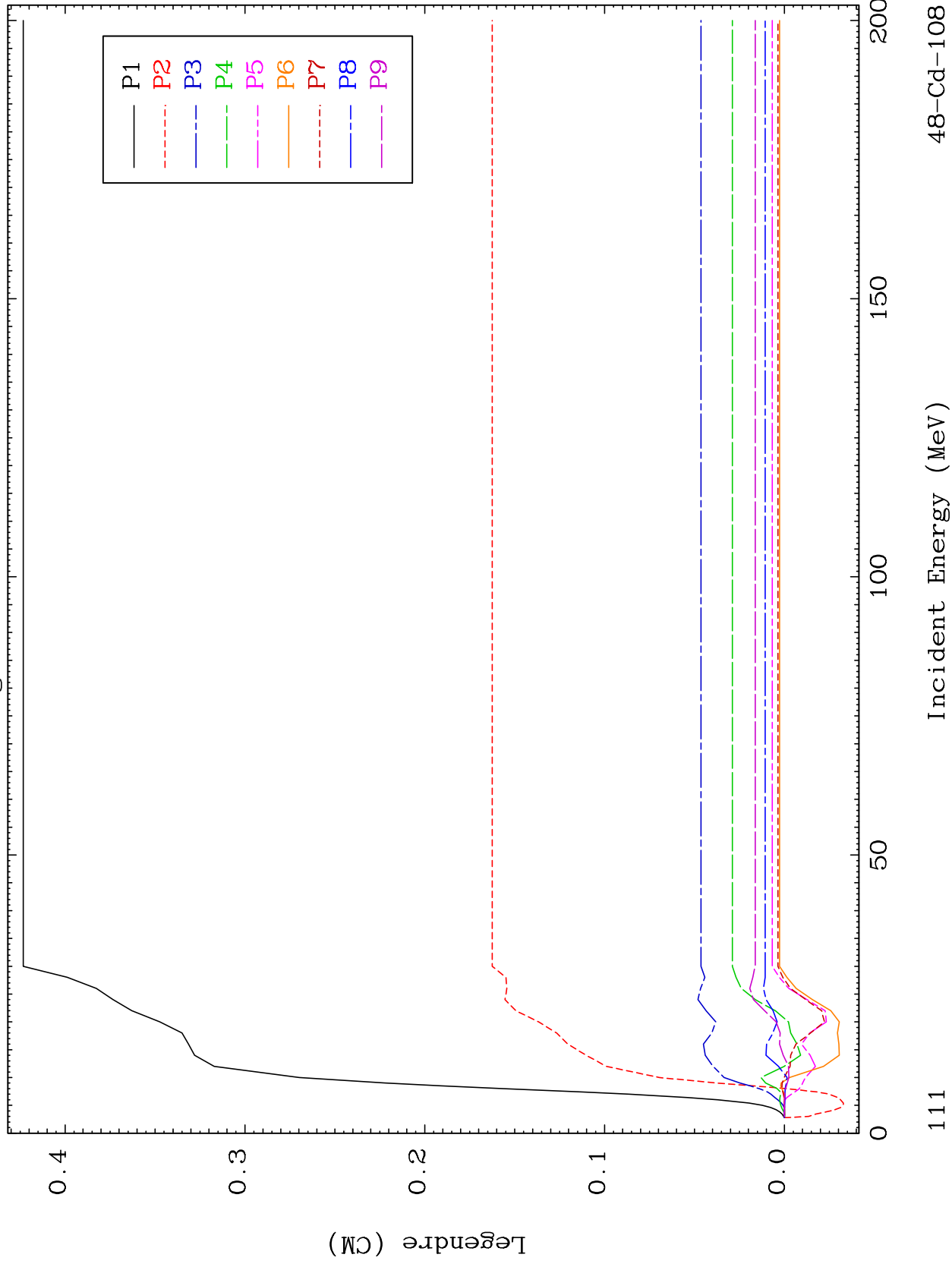
Incident Energy (MeV)

110

MAT 4831

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

48-Cd-108

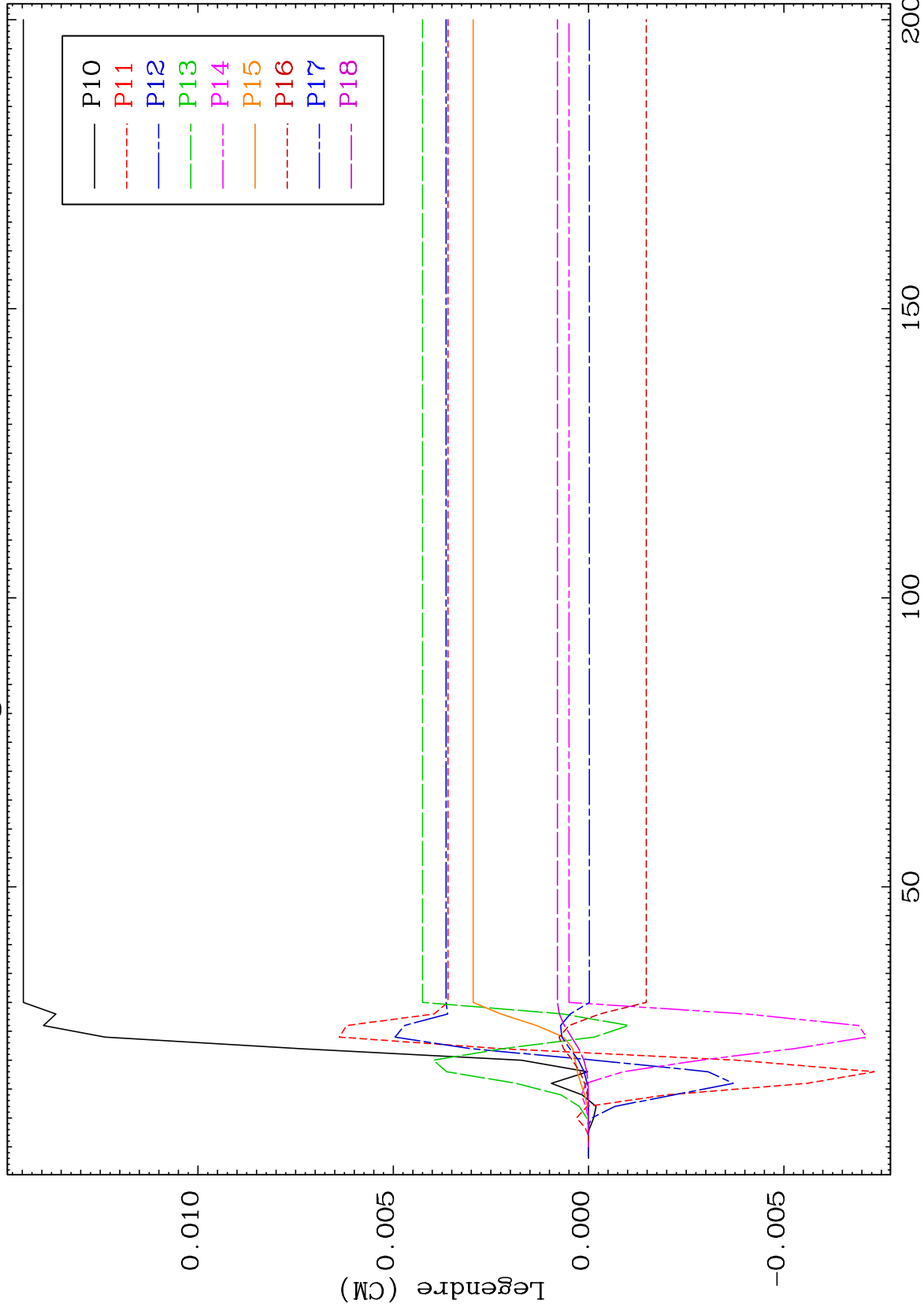


111

MAT 4831

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

48-Cd-108



112

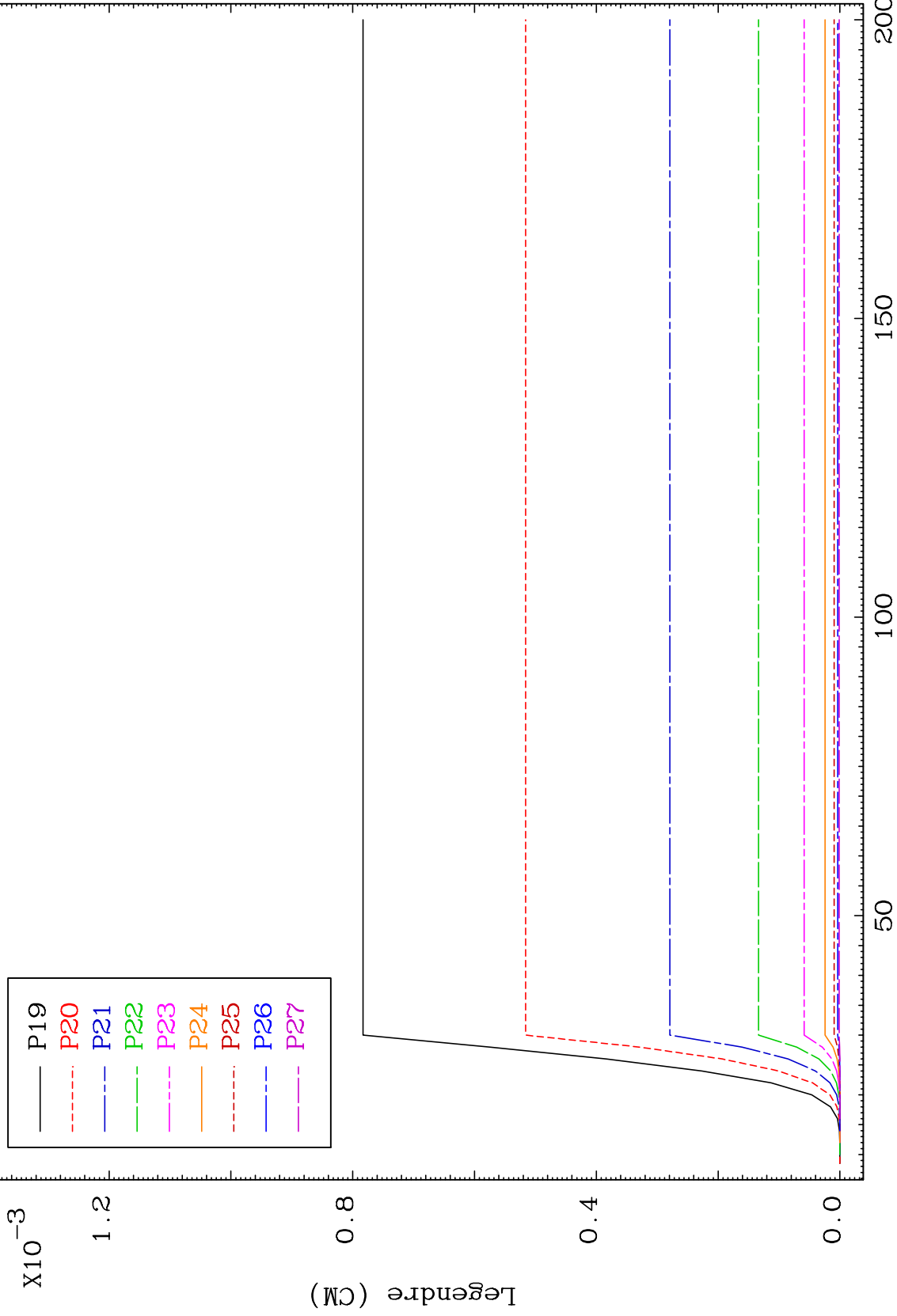
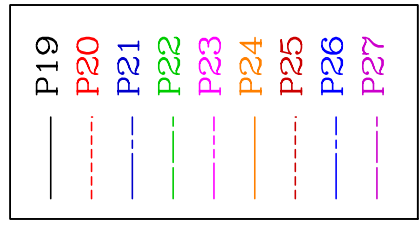
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108



113

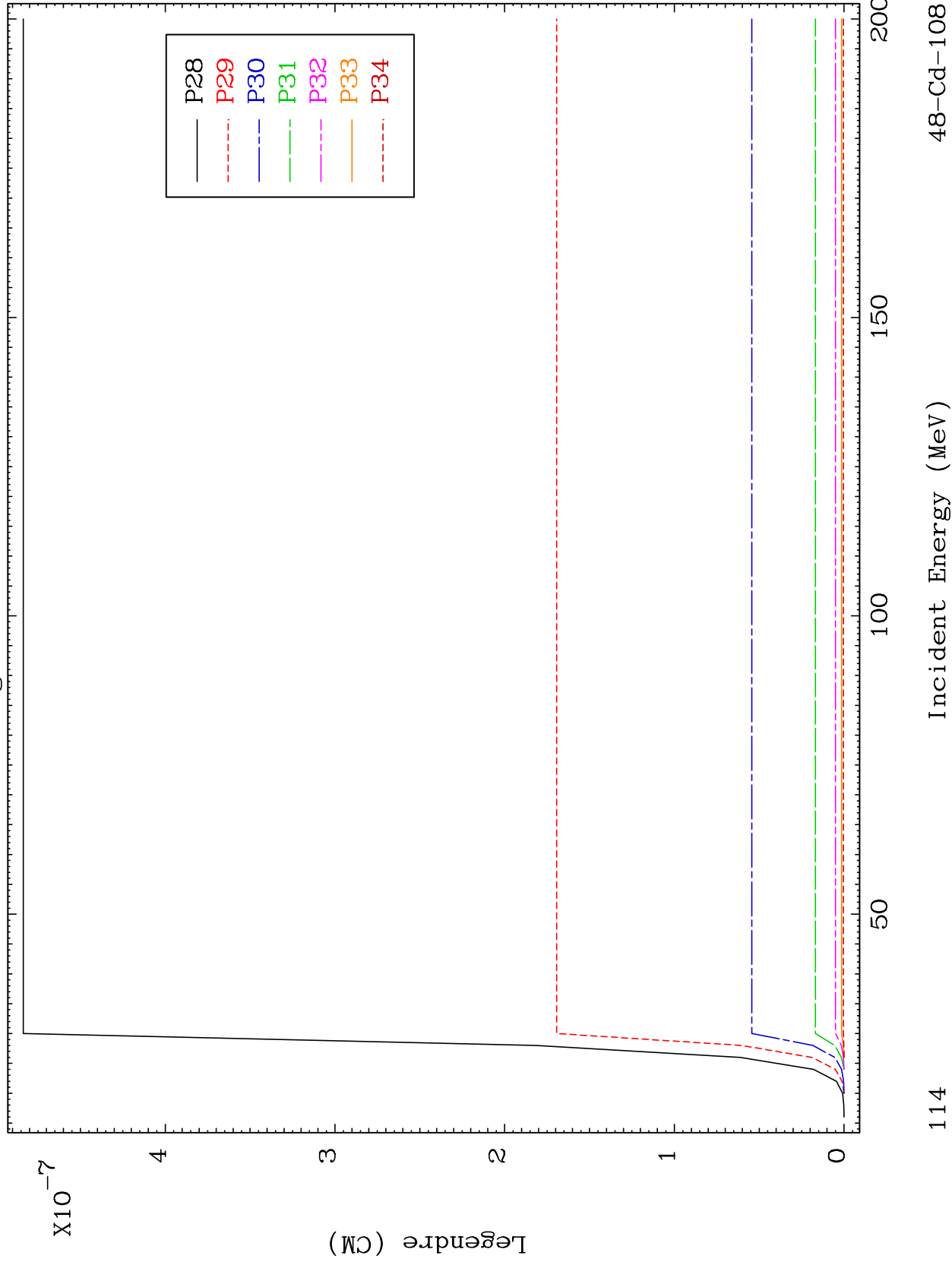
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108



114

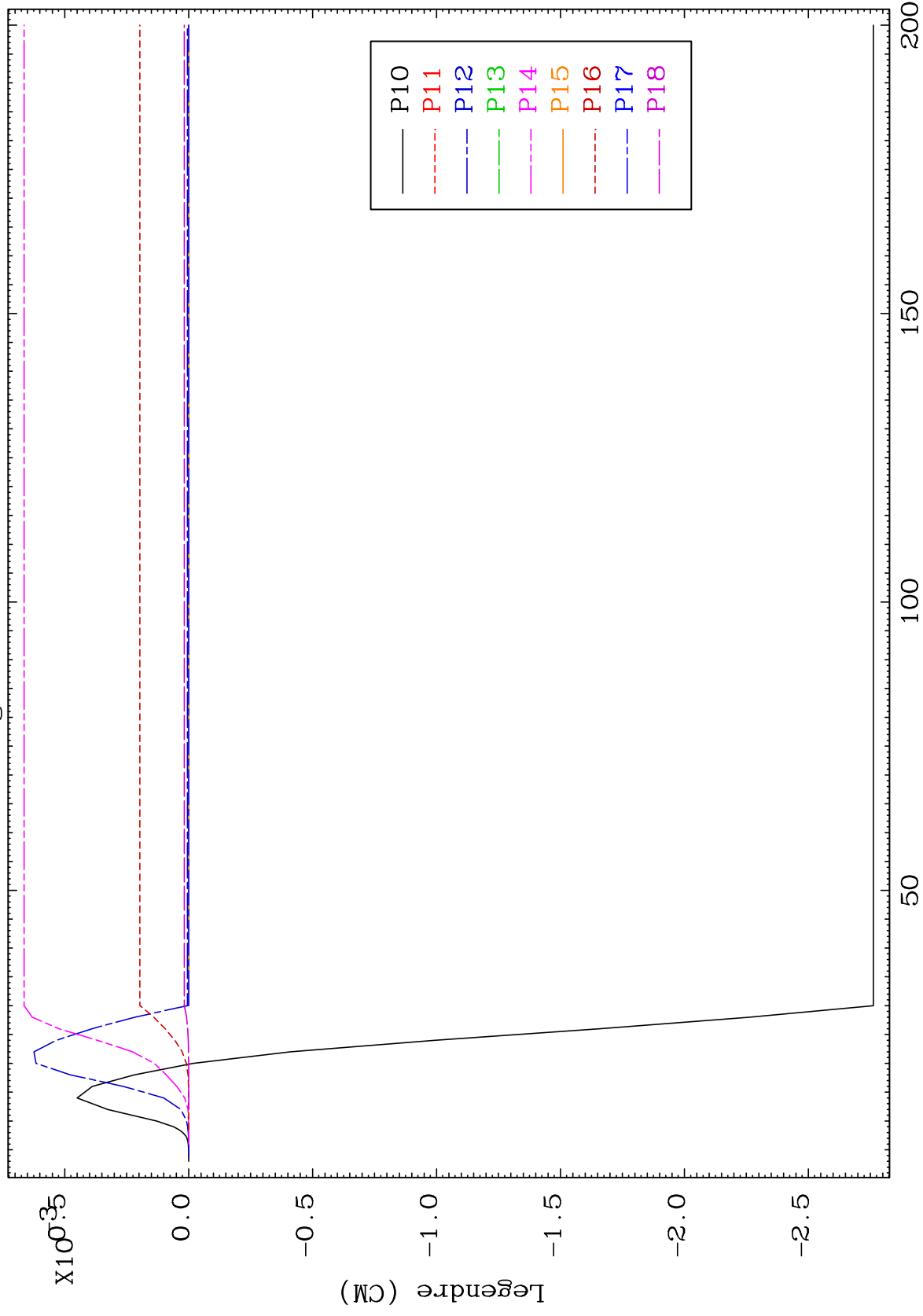
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108



116

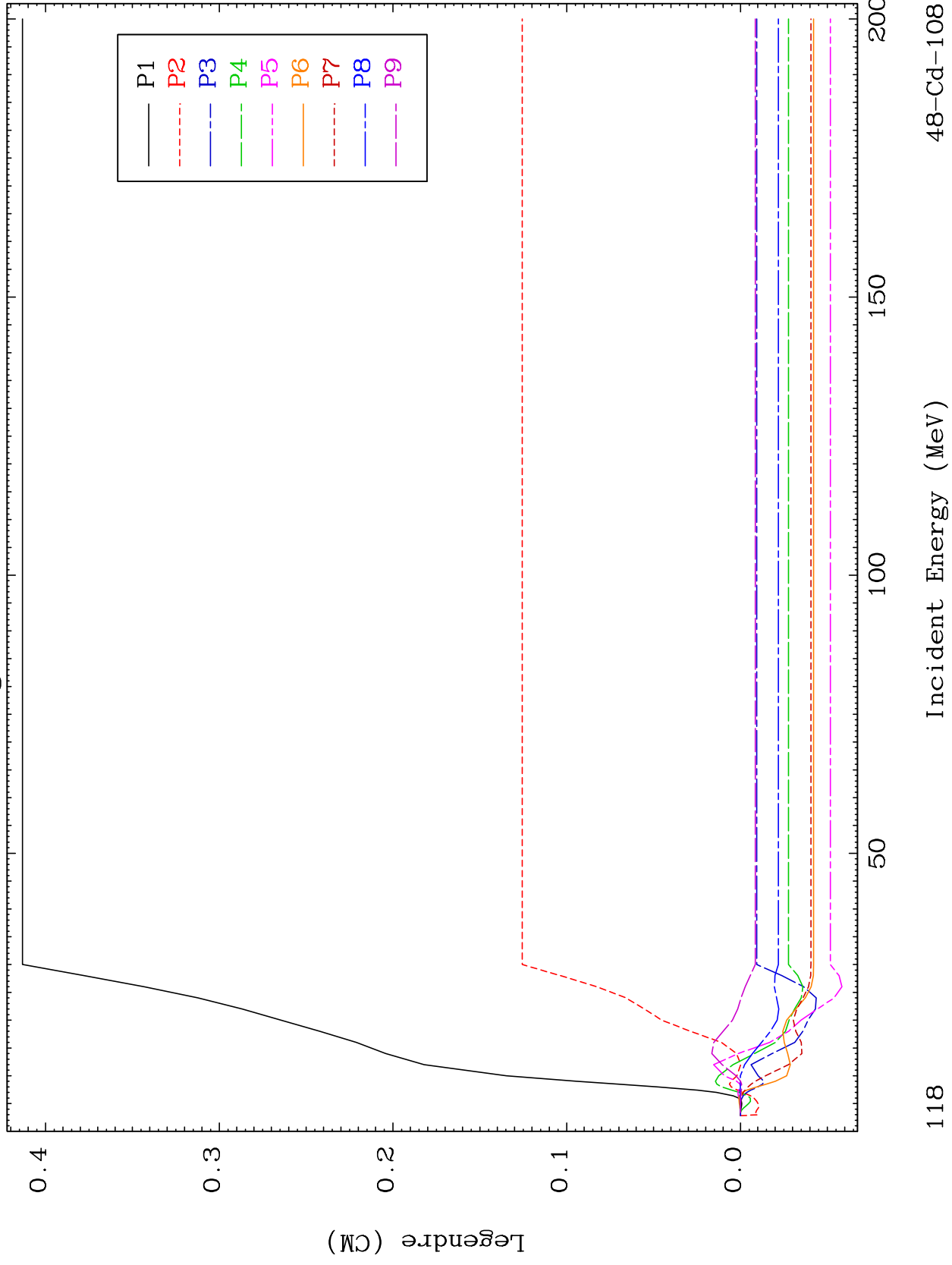
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108



118

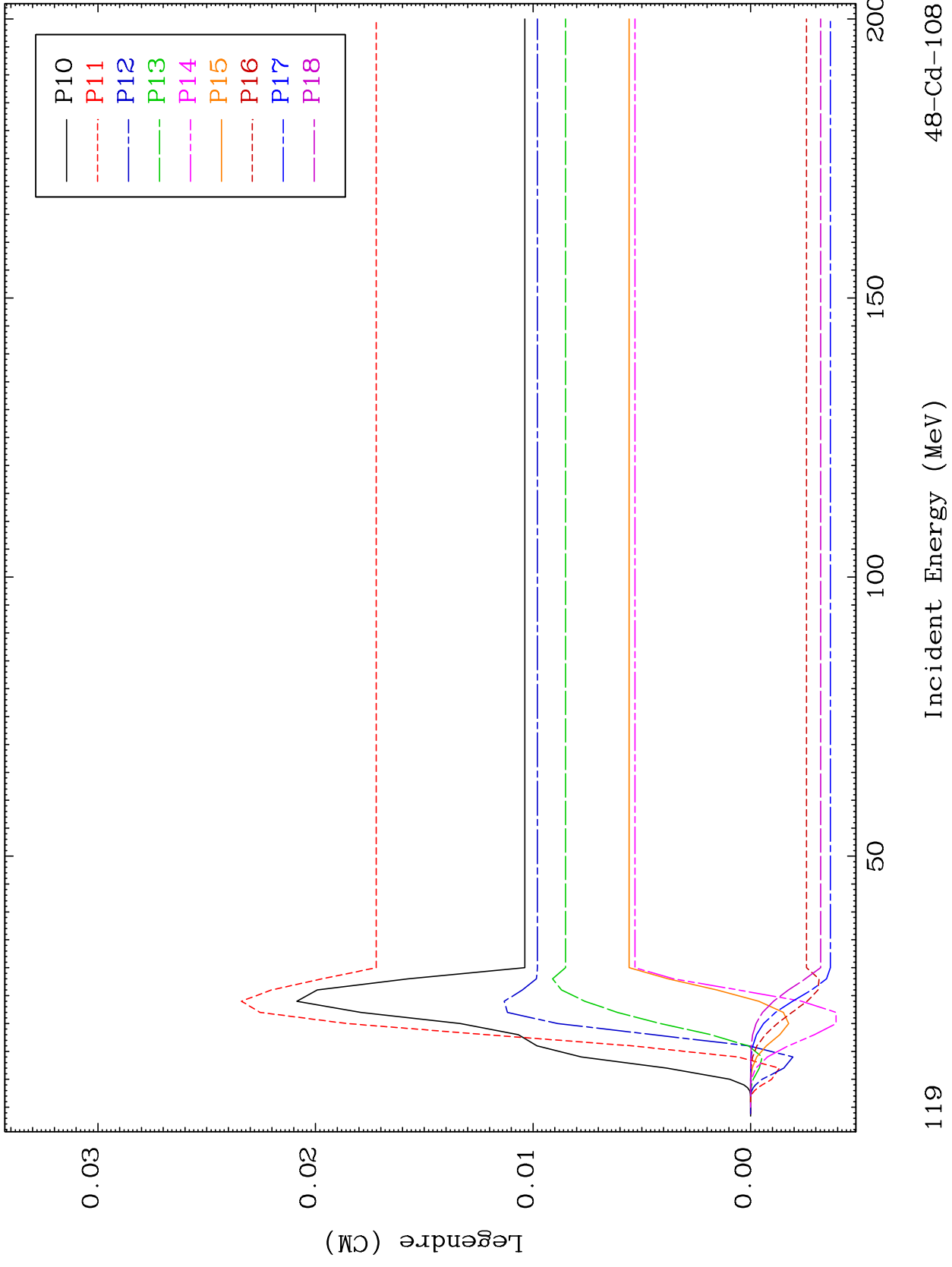
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

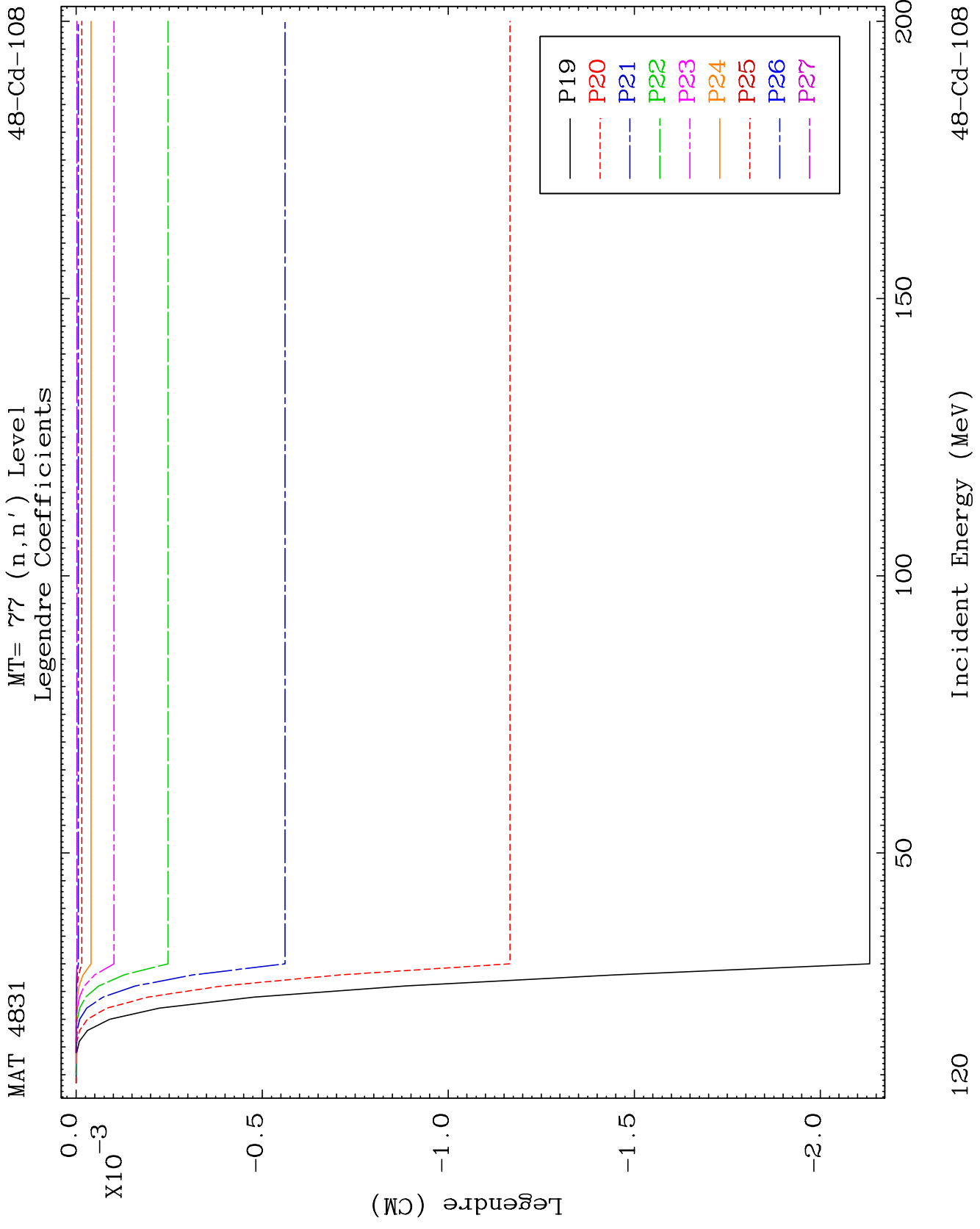
48-Cd-108

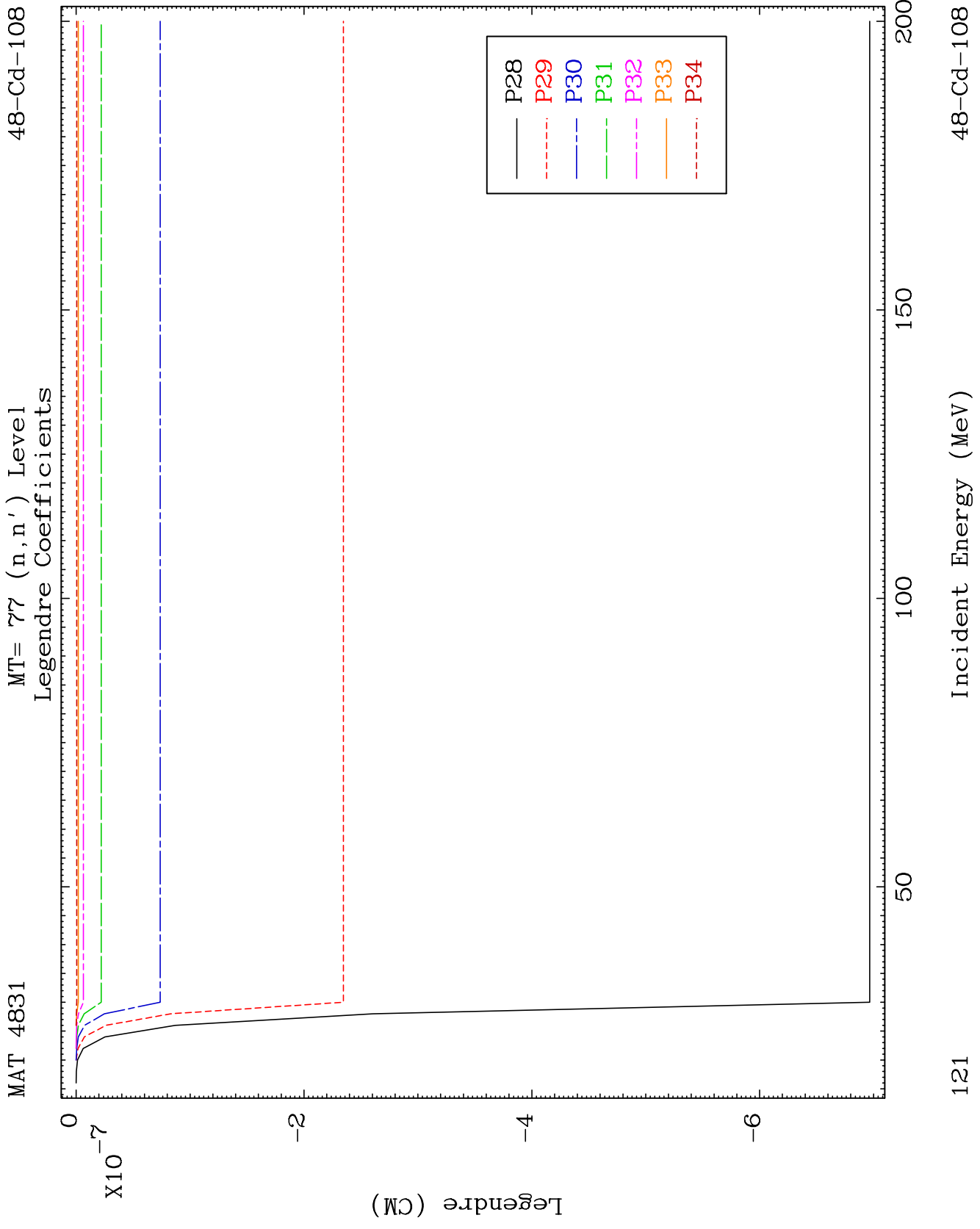


119

Incident Energy (MeV)

48-Cd-108

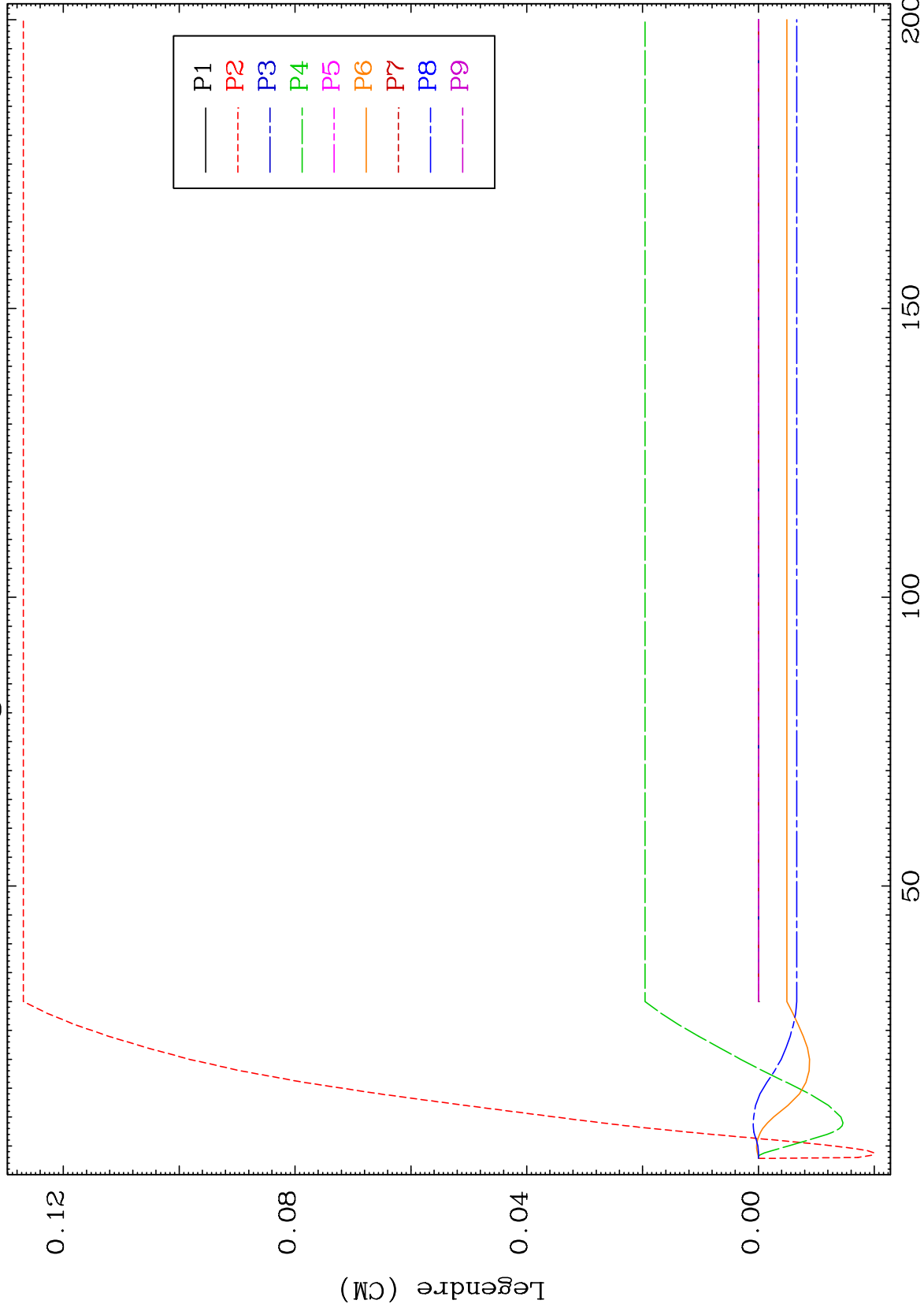




MAT 4831

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

48-Cd-108



122

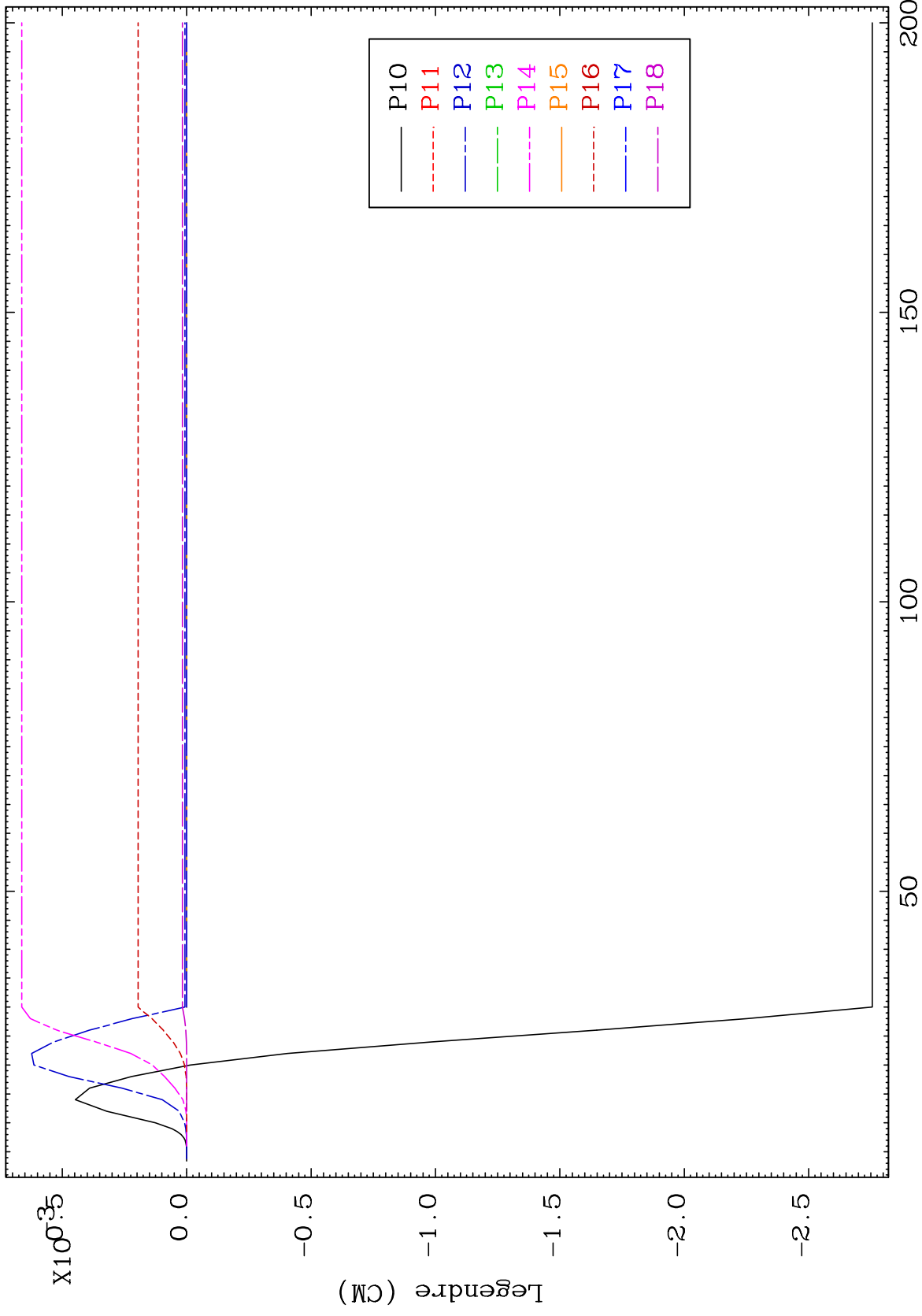
Incident Energy (MeV)

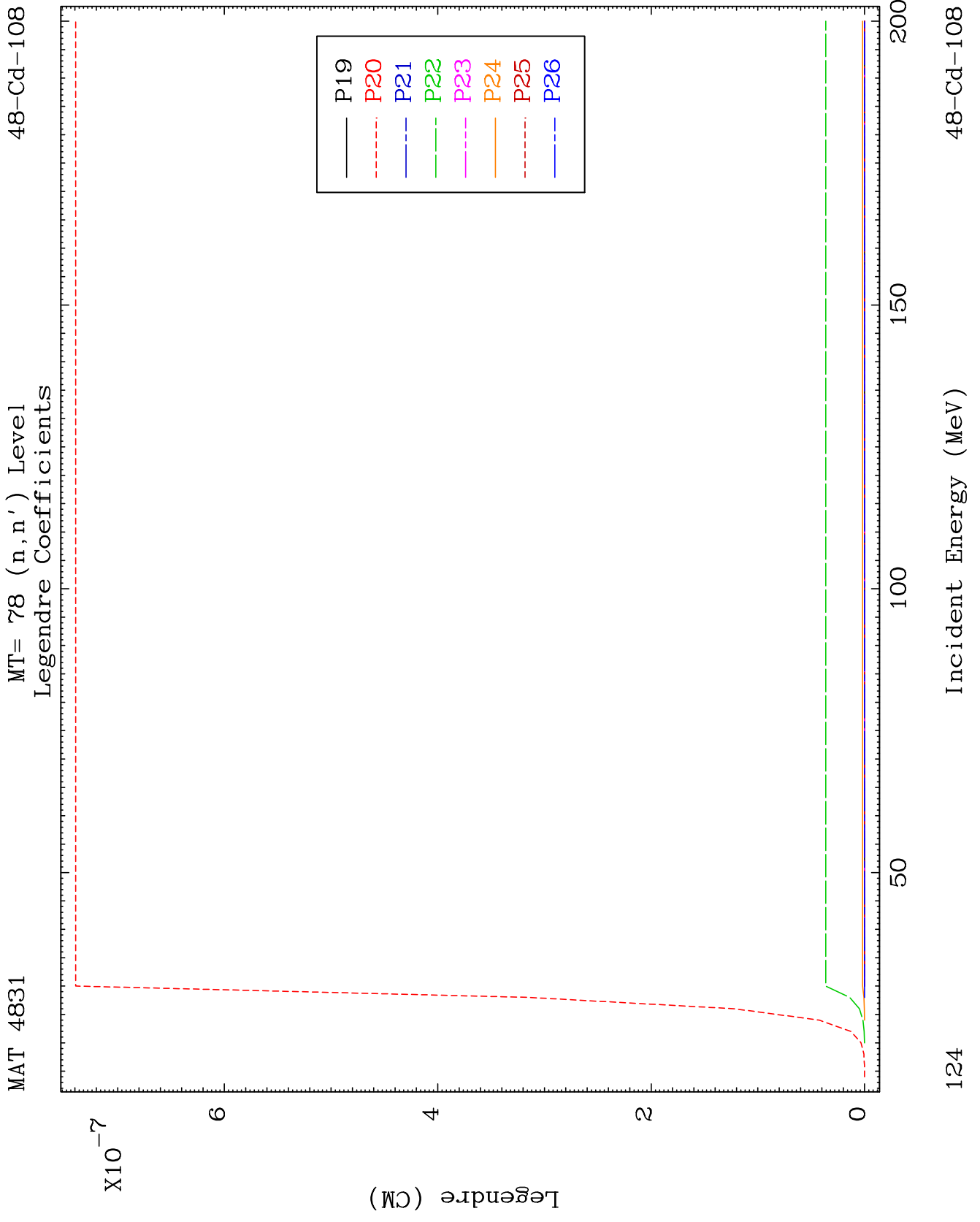
48-Cd-108

MAT 4831

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

48-Cd-108

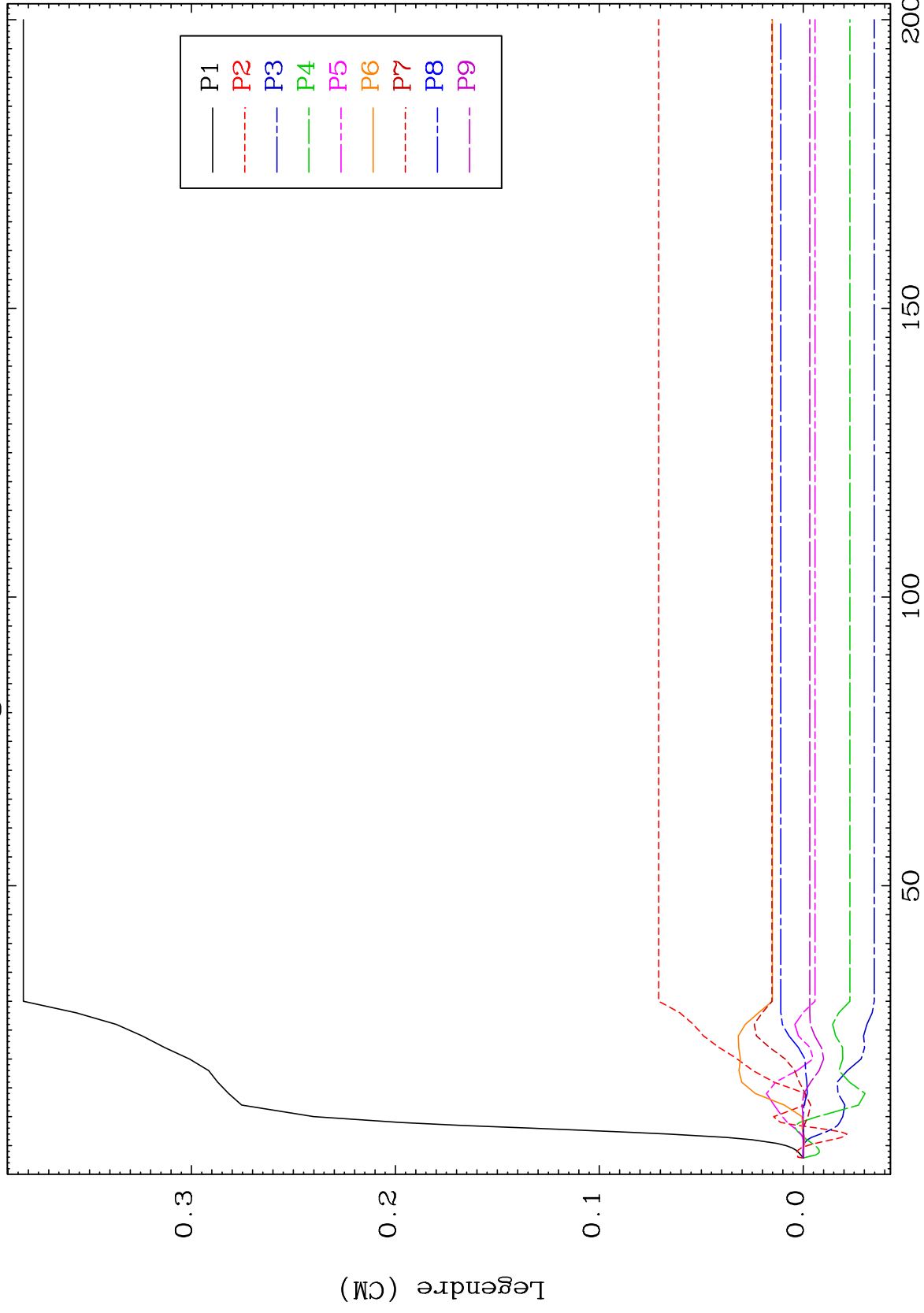




MAT 4831

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

48-Cd-108



125

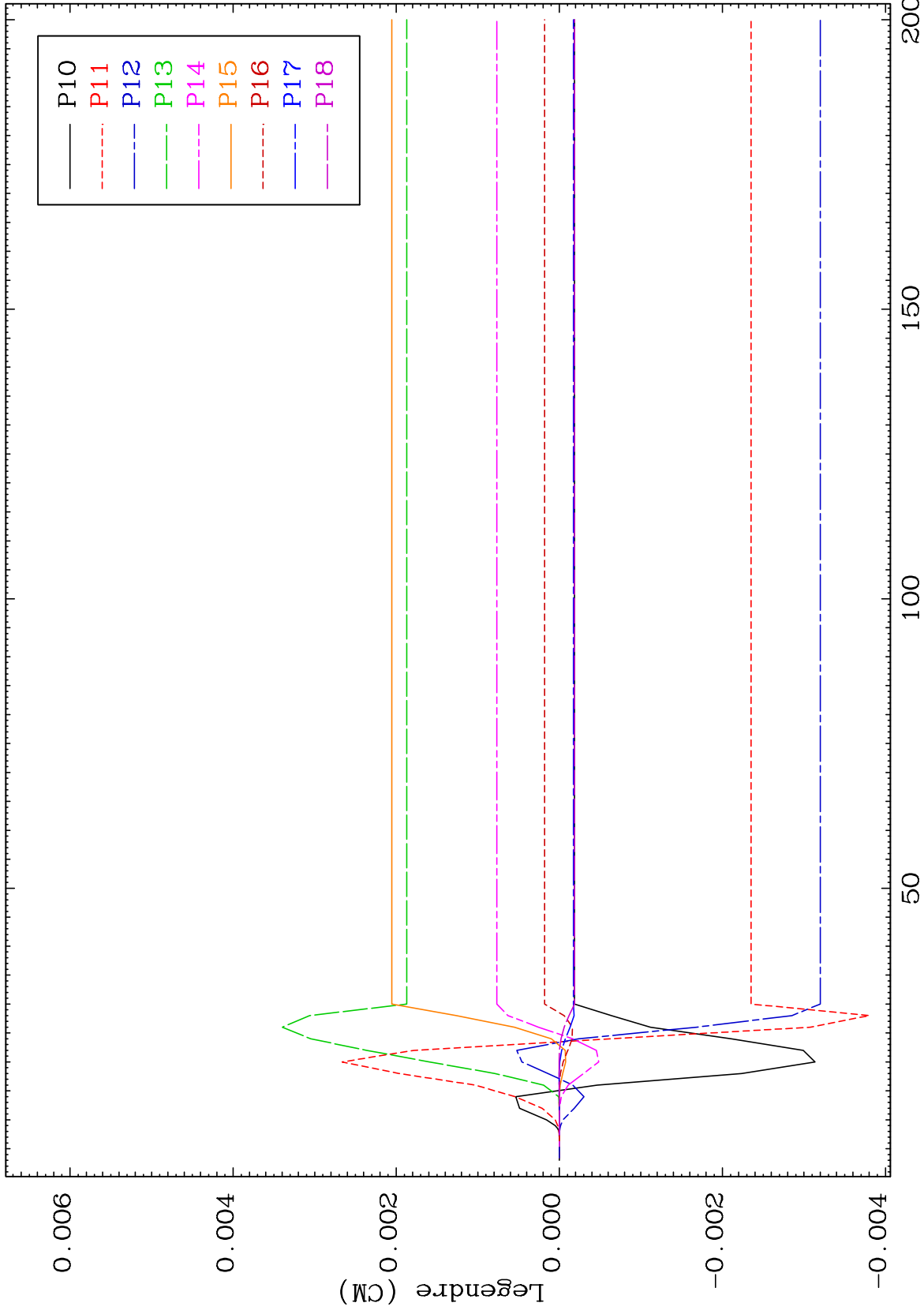
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108



126

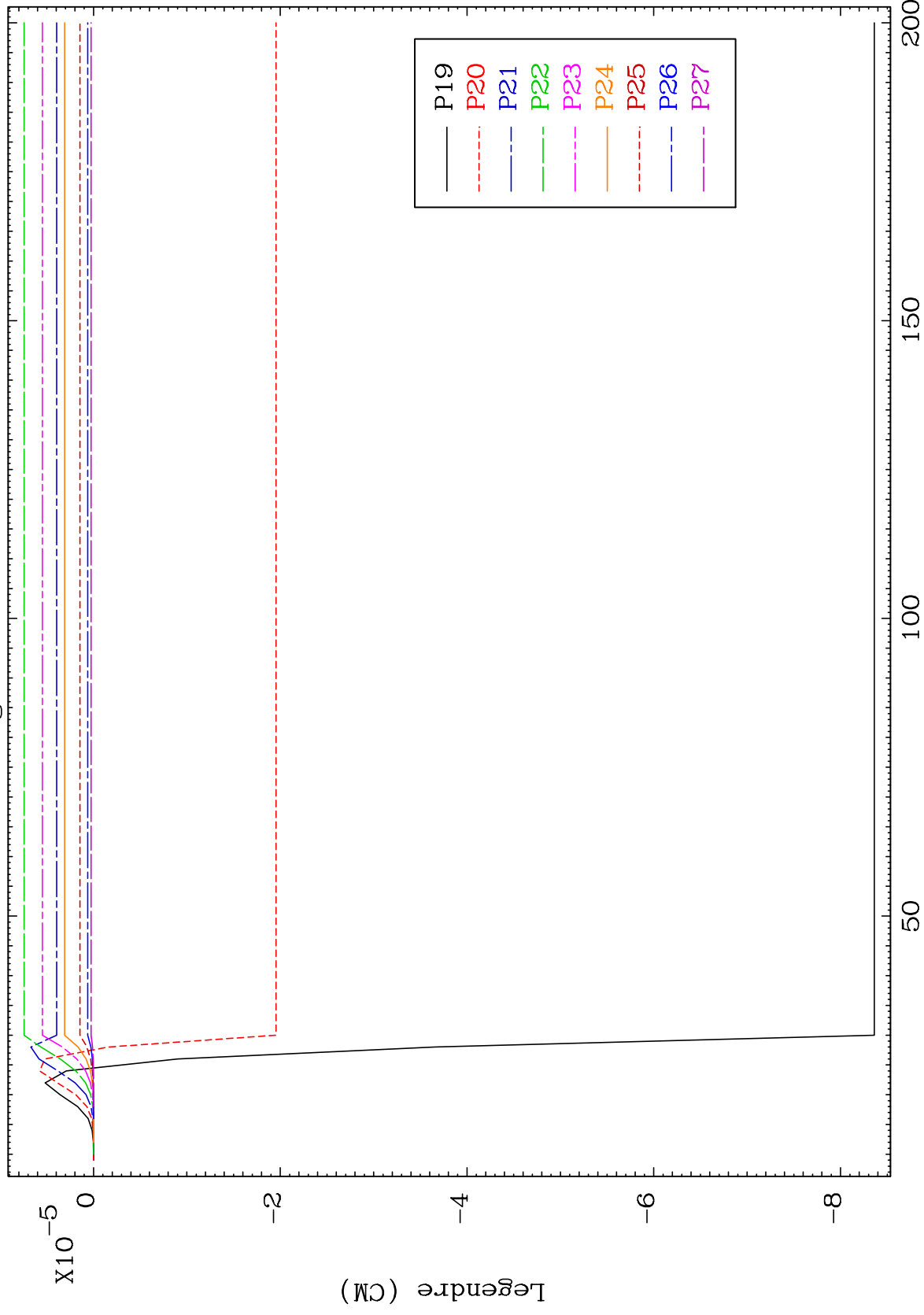
Incident Energy (MeV)

48-Cd-108

MAT 4831

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

48-Cd-108



127

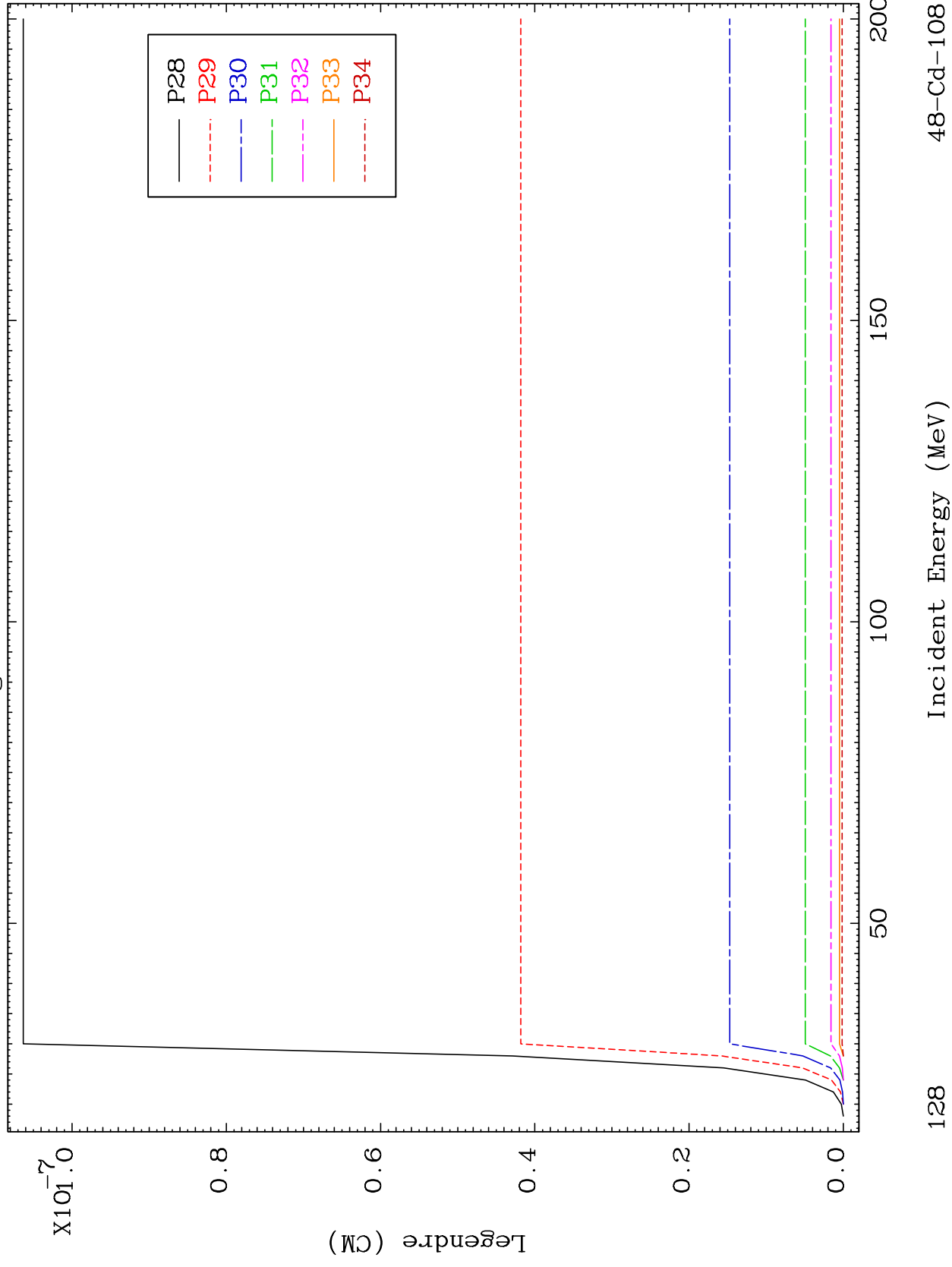
Incident Energy (MeV)

48-Cd-108

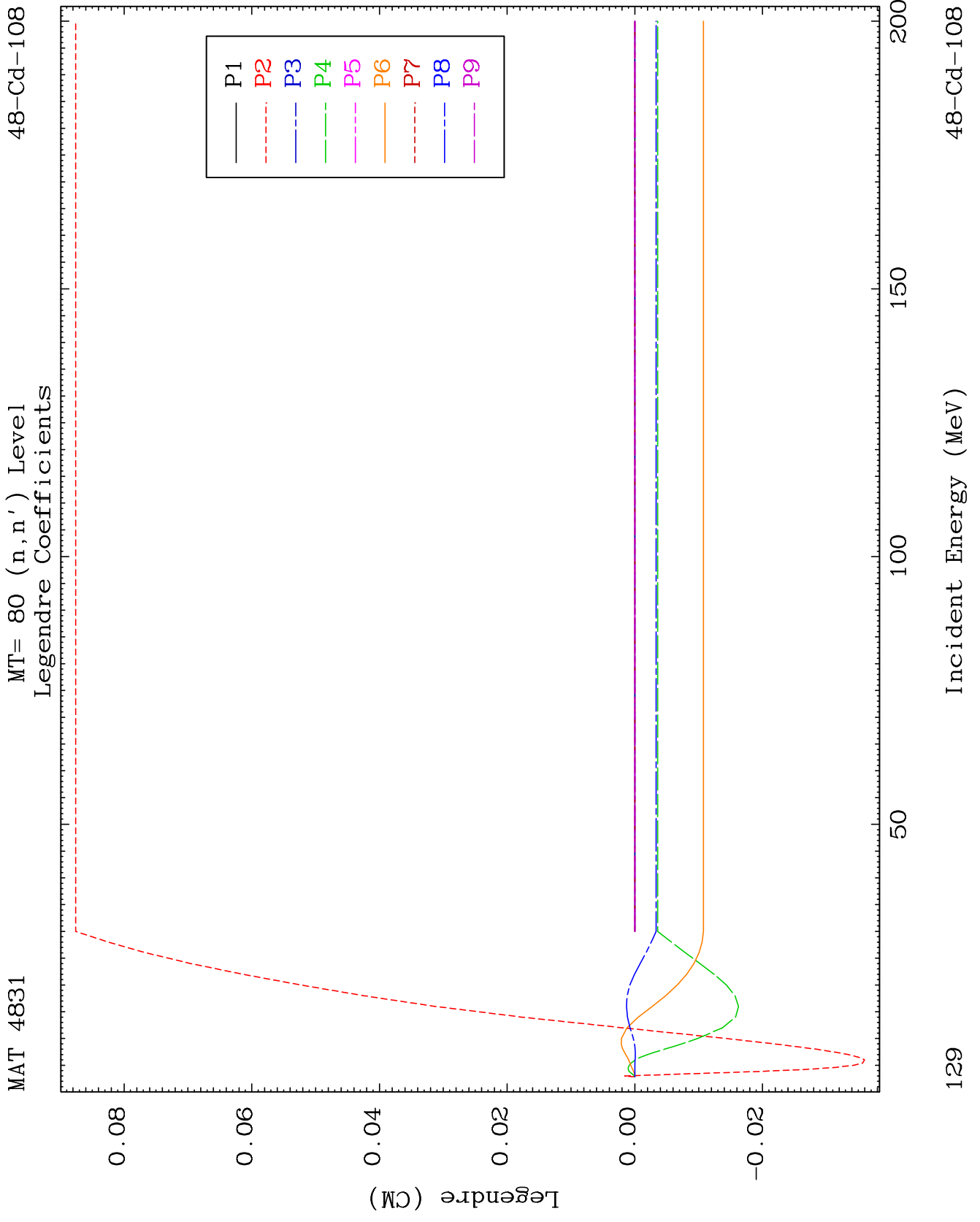
MAT 4831

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

48-Cd-108



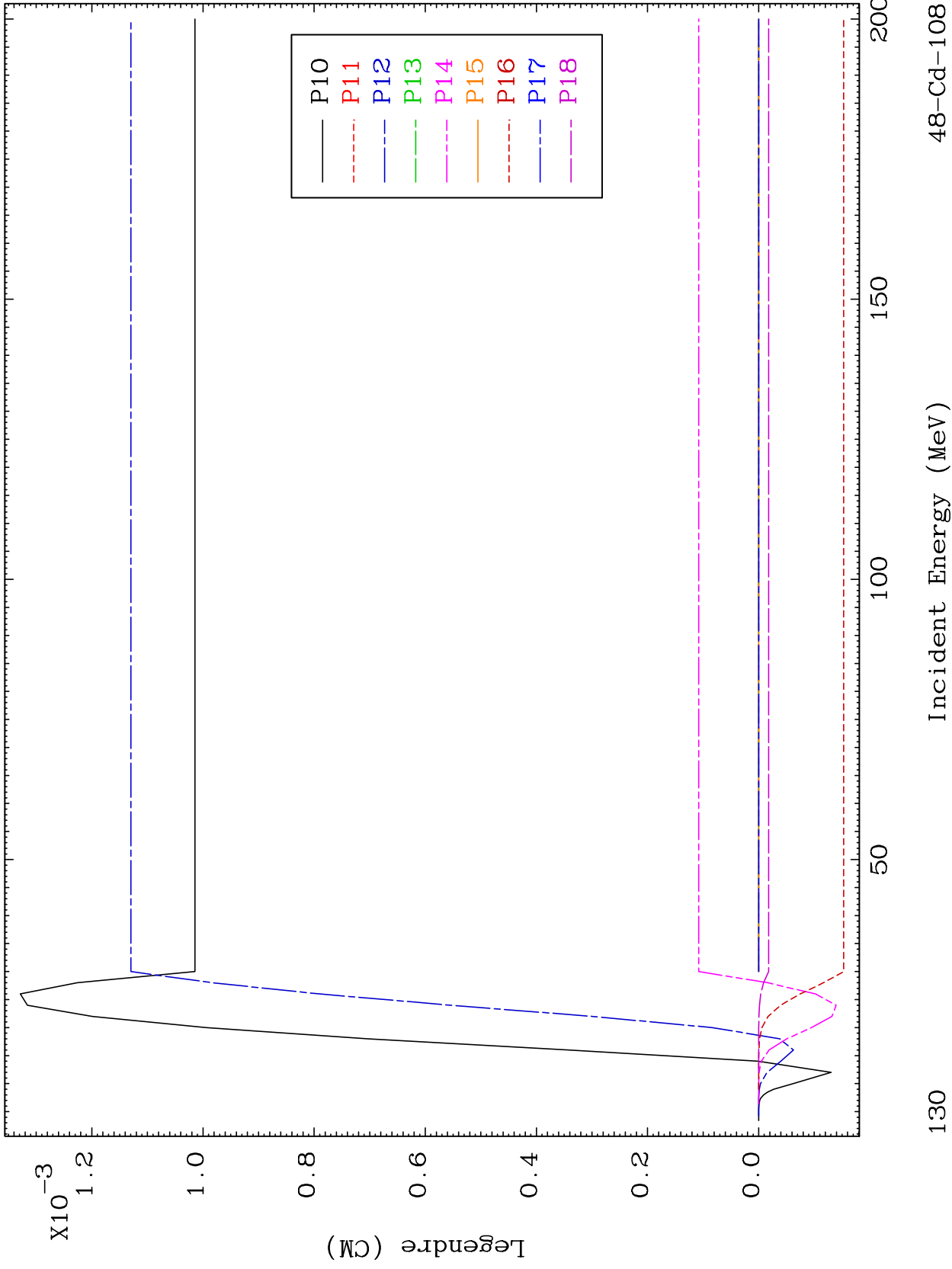
128

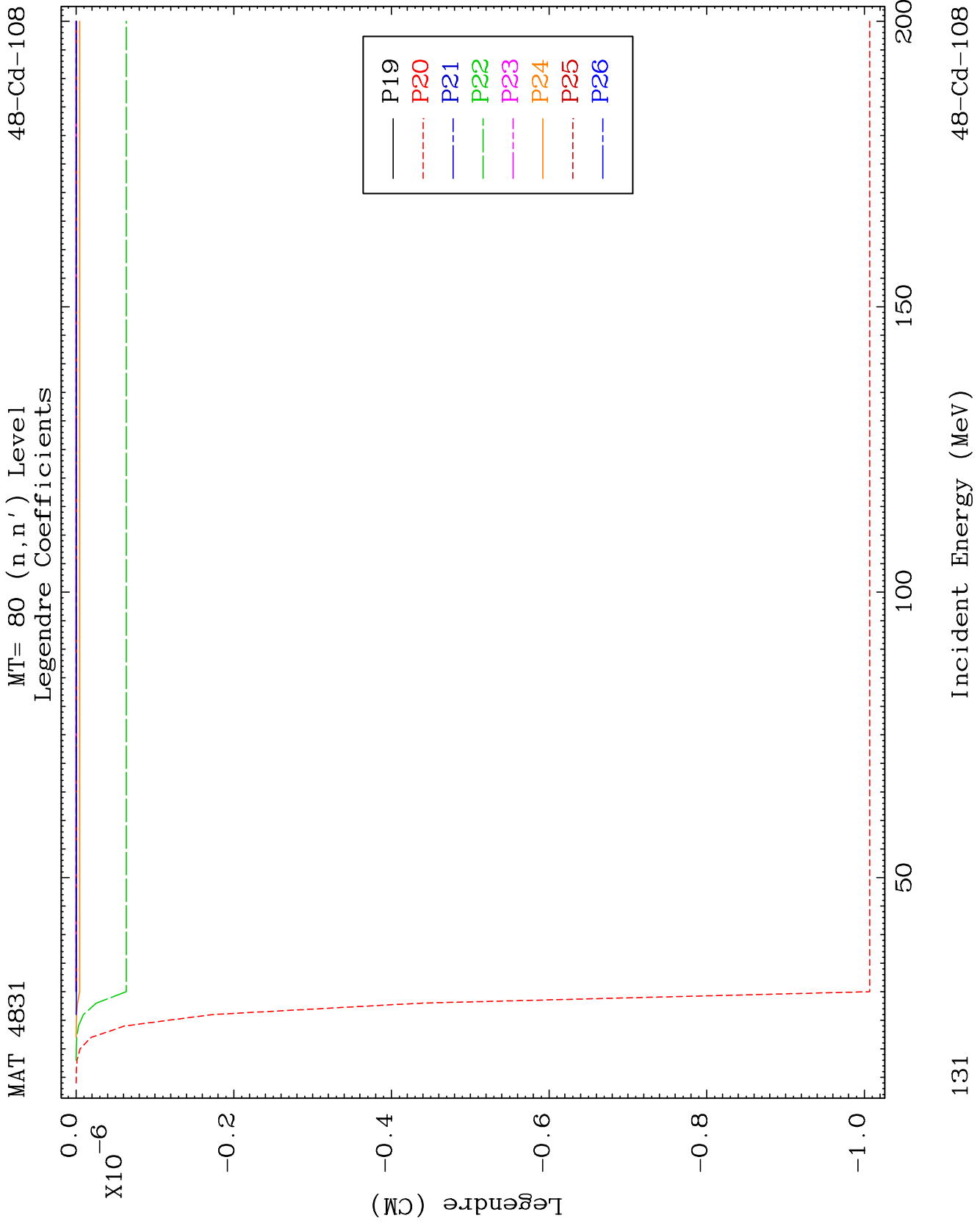


MAT 4831

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

48-Cd-108



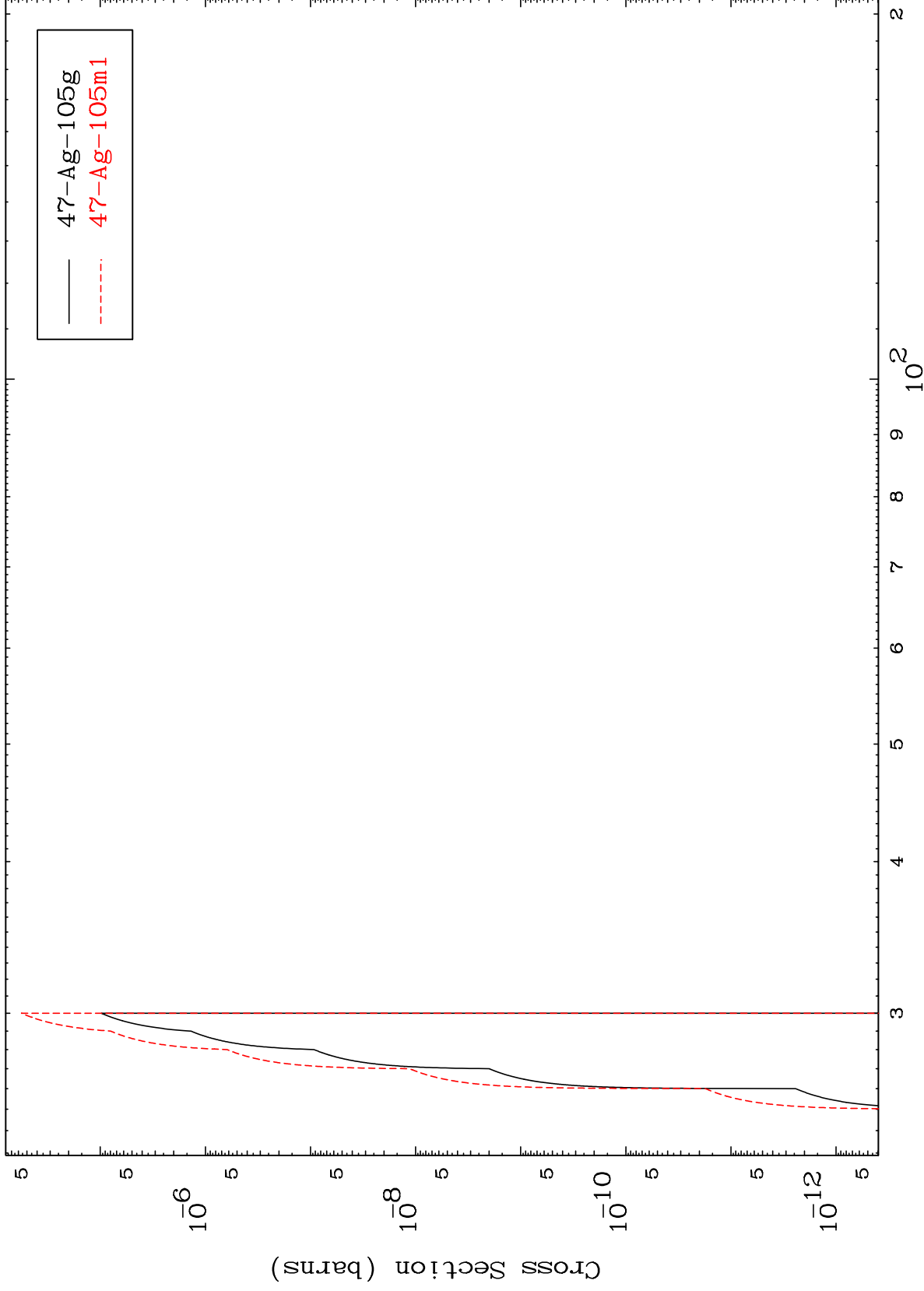


MAT 4831

(n,2n) d

48-Cd-108

Radionuclide Production Cross Section



132

Incident Energy (MeV)

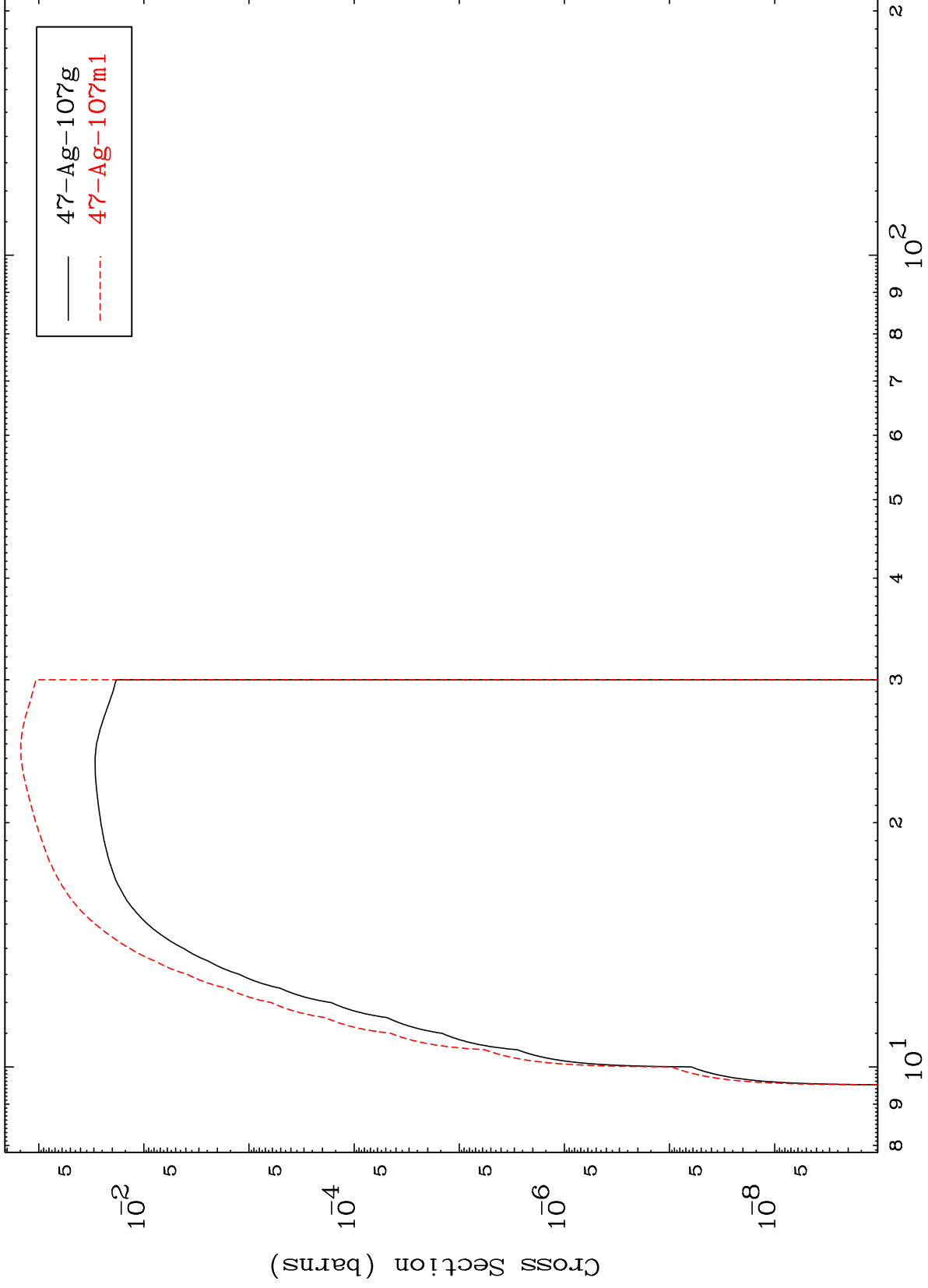
48-Cd-108

MAT 4831

(n,n') p

48-Cd-108

Radionuclide Production Cross Section



133

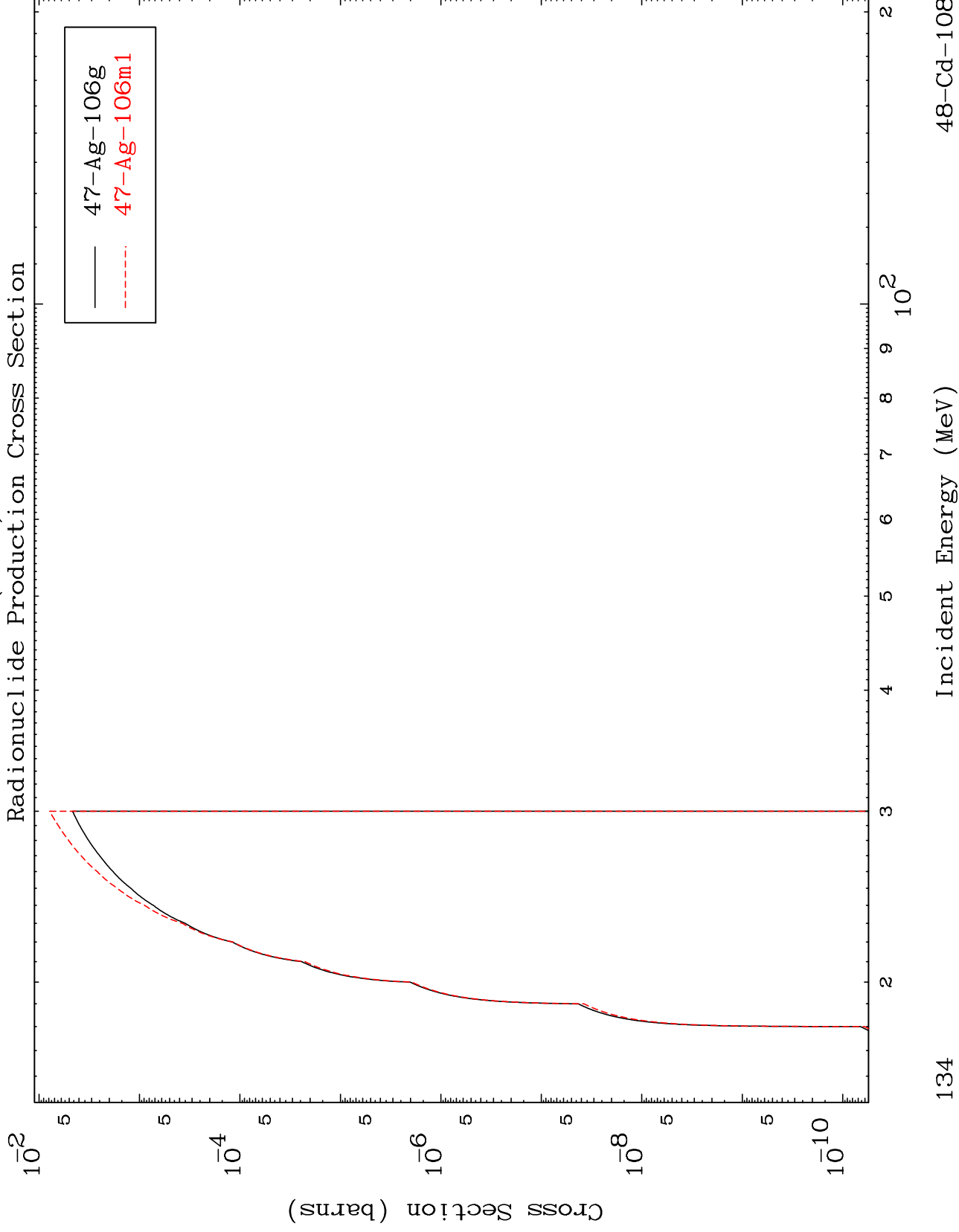
Incident Energy (MeV)

48-Cd-108

MAT 4831

(n,n') d

48-Cd-108



134

Incident Energy (MeV)

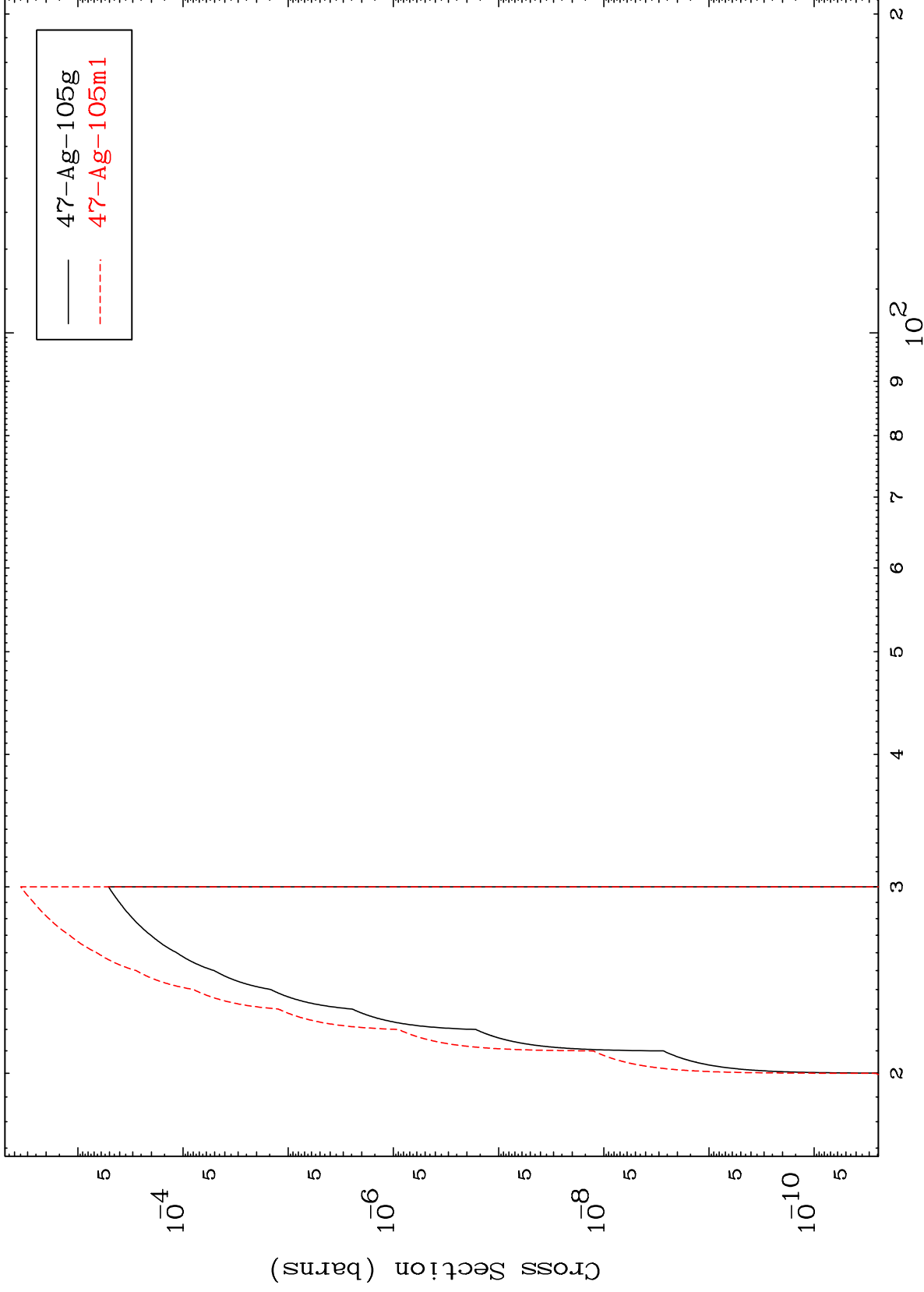
48-Cd-108

MAT 4831

(n,n') t

48-Cd-108

Radionuclide Production Cross Section



135

Incident Energy (MeV)

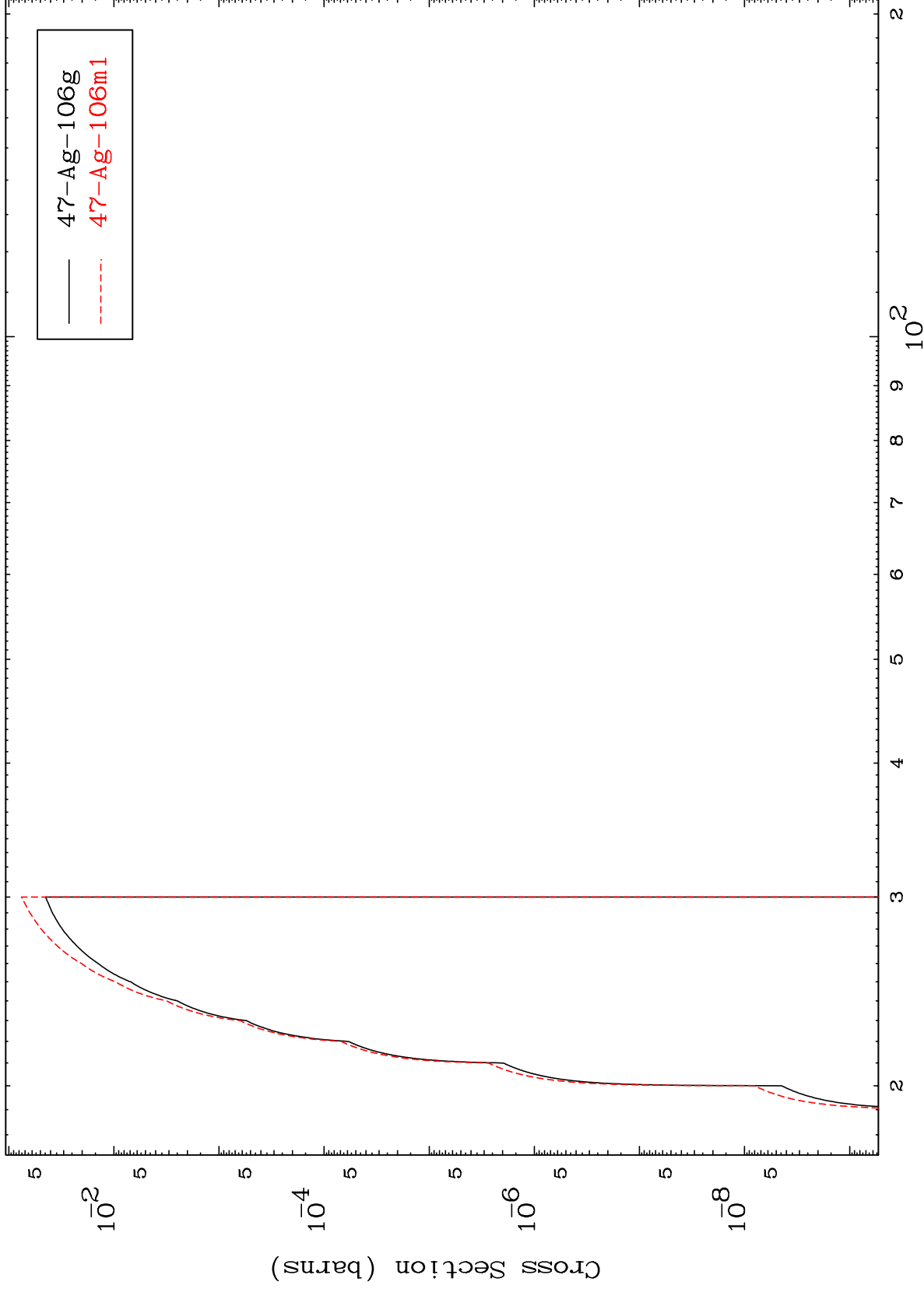
48-Cd-108

MAT 4831

(n,2n) p

48-Cd-108

Radionuclide Production Cross Section



136

Incident Energy (MeV)

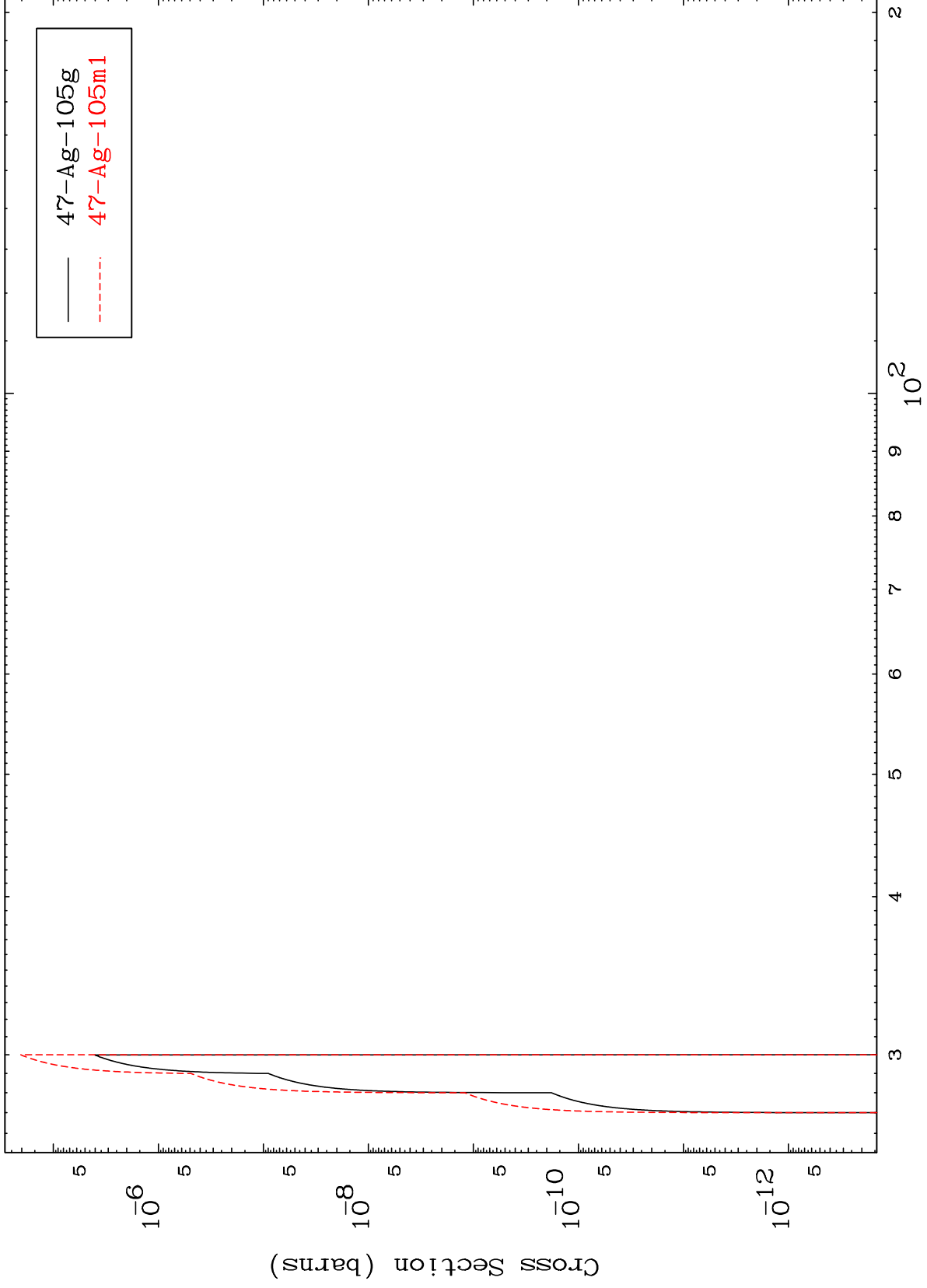
48-Cd-108

MAT 4831

(n,3n) p

48-Cd-108

Radionuclide Production Cross Section



137

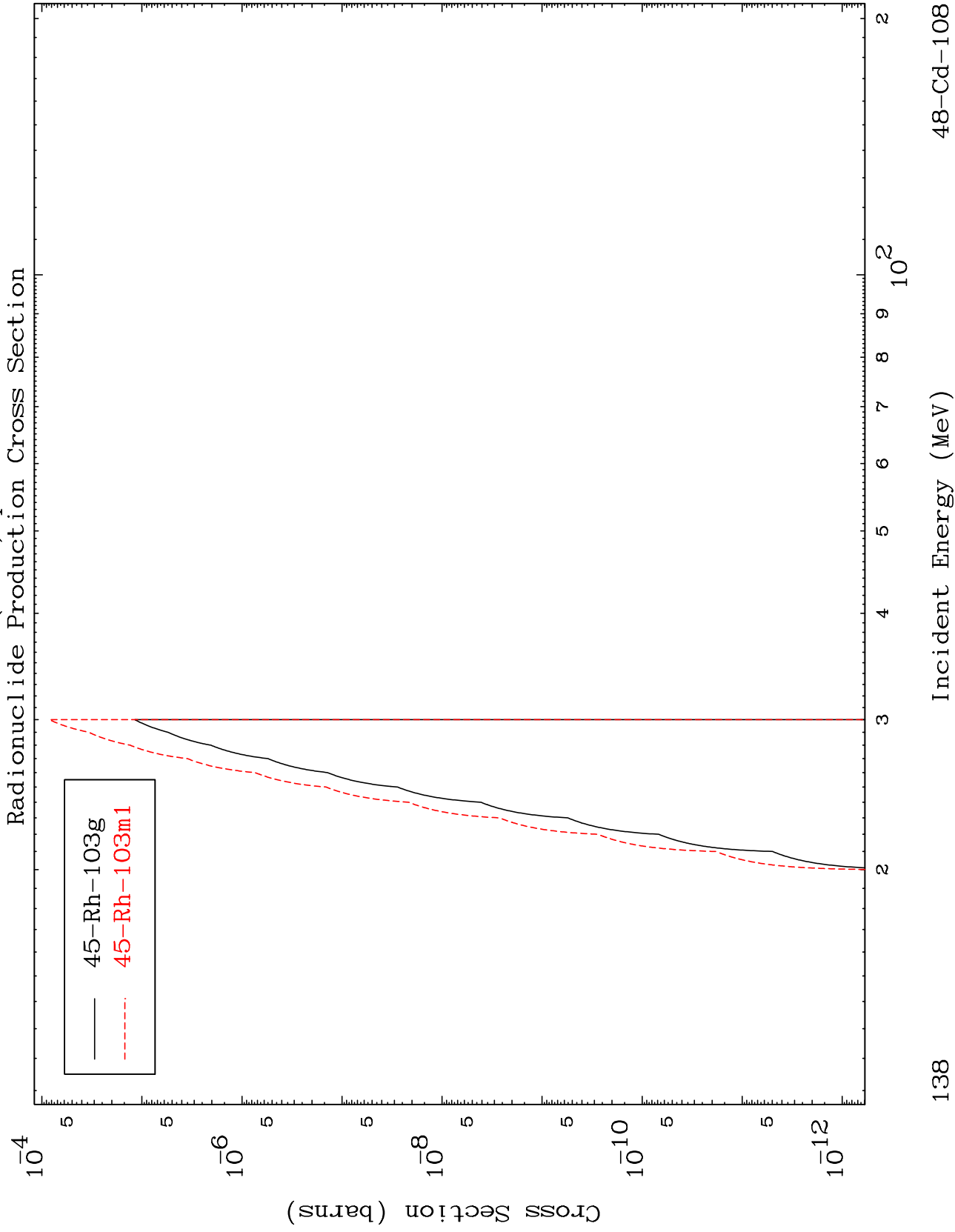
Incident Energy (MeV)

48-Cd-108

MAT 4831

(n,n') p α

48-Cd-108



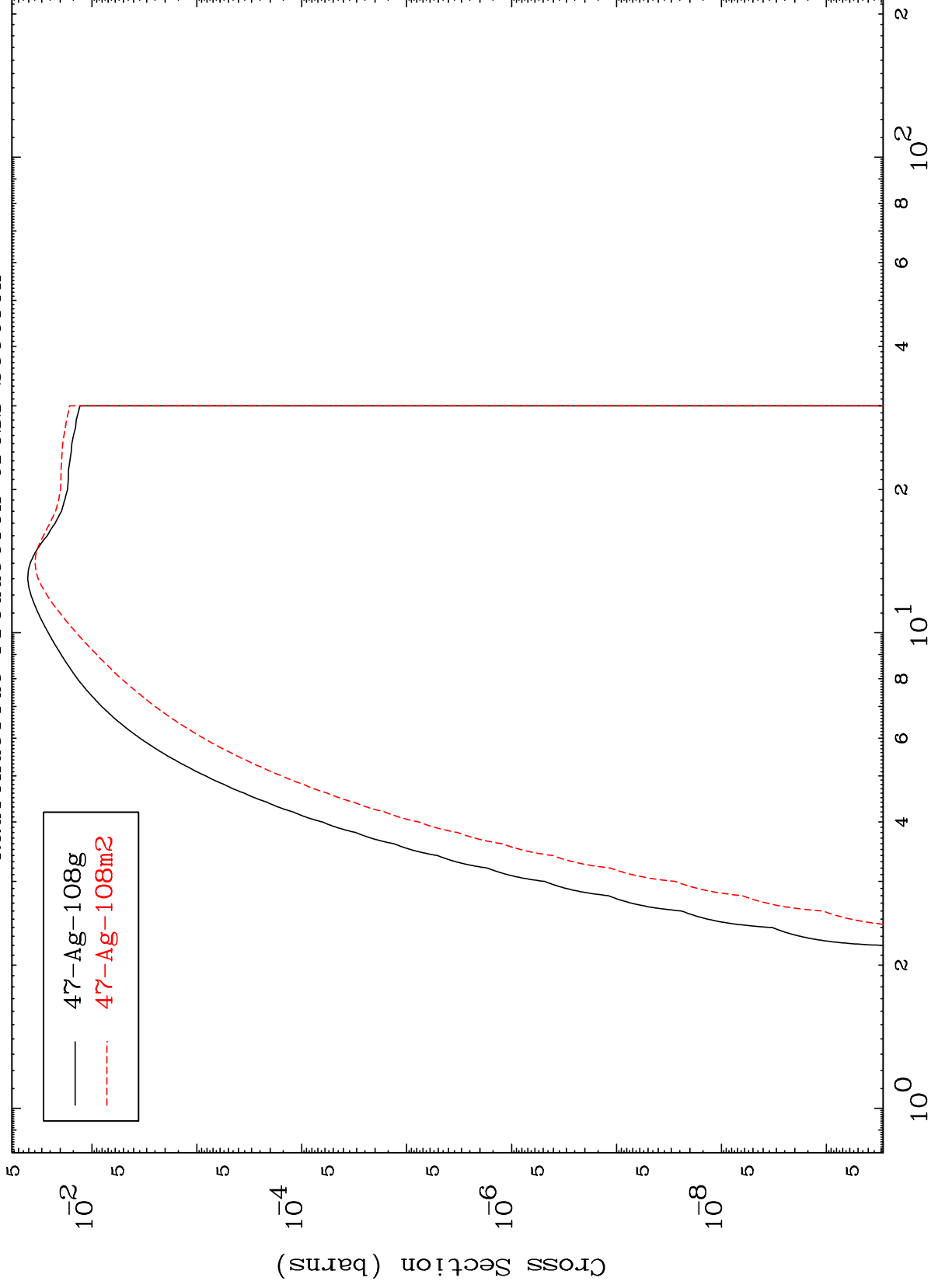
138

48-Cd-108

MAT 4831

48-Cd-108

(n,p)
Radionuclide Production Cross Section



139

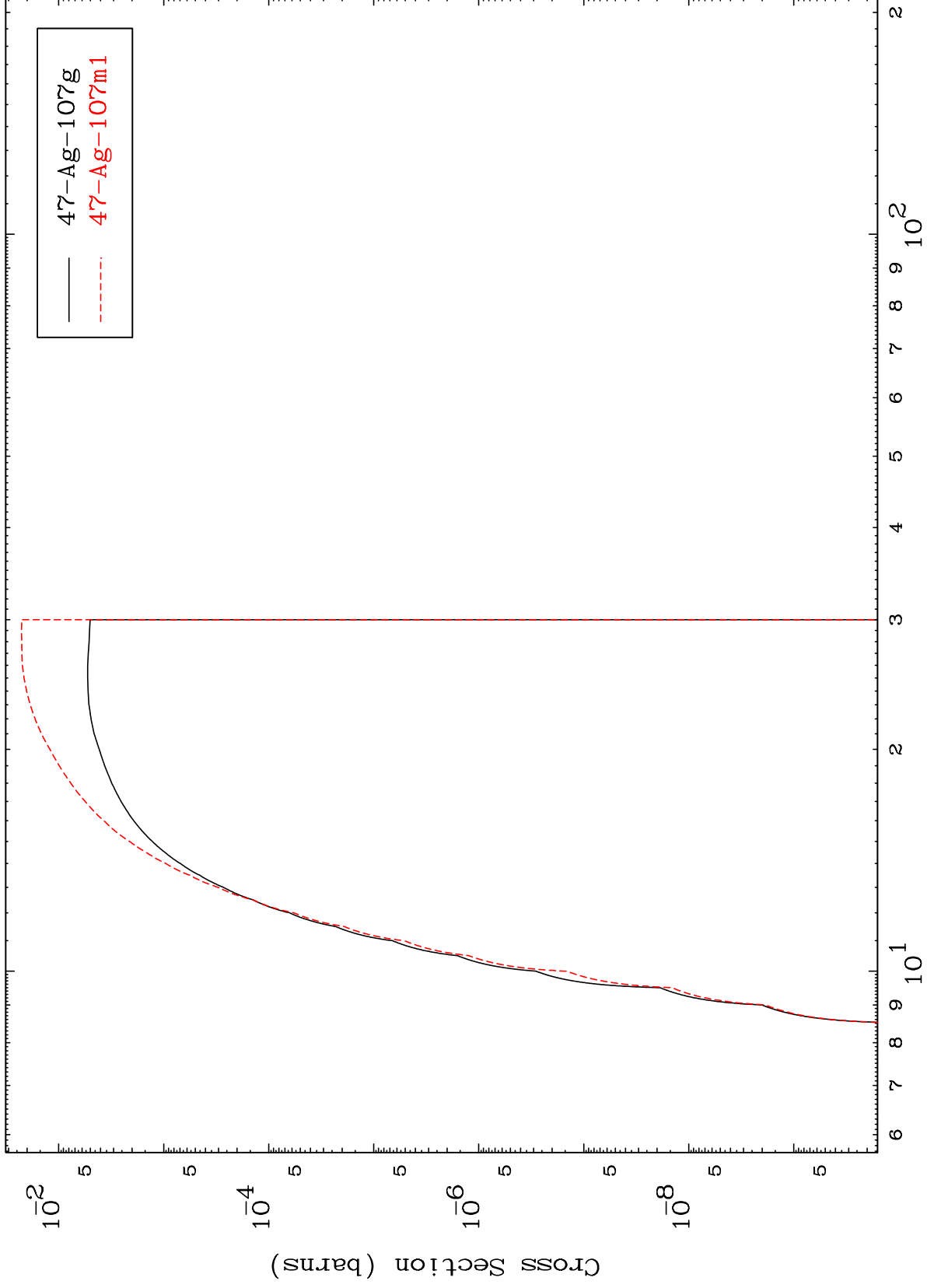
Incident Energy (MeV)

48-Cd-108

MAT 4831

48-Cd-108

(n,d)
Radionuclide Production Cross Section



140

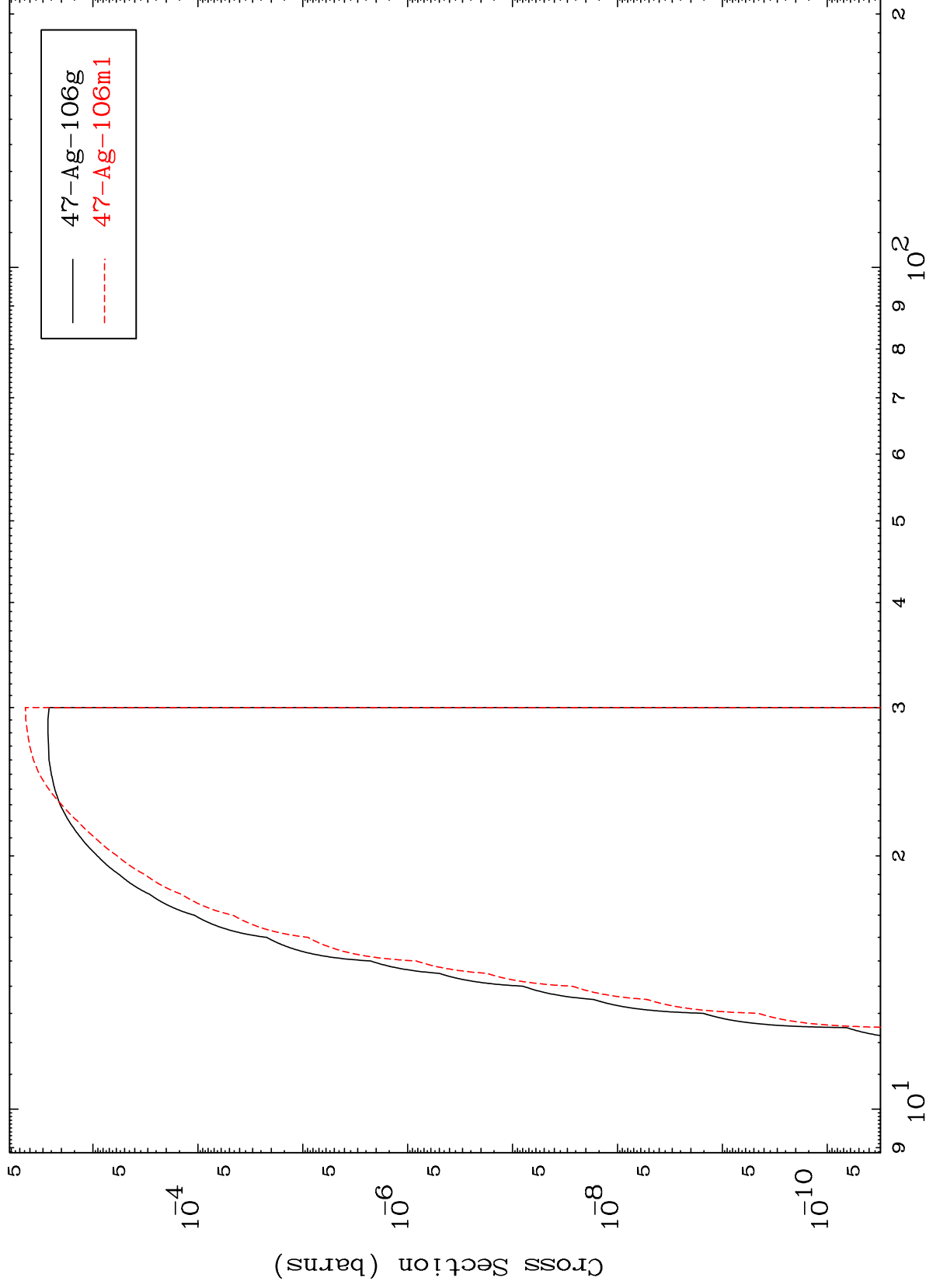
Incident Energy (MeV)

48-Cd-108

MAT 4831

48-Cd-108

(n, t)
Radionuclide Production Cross Section



141

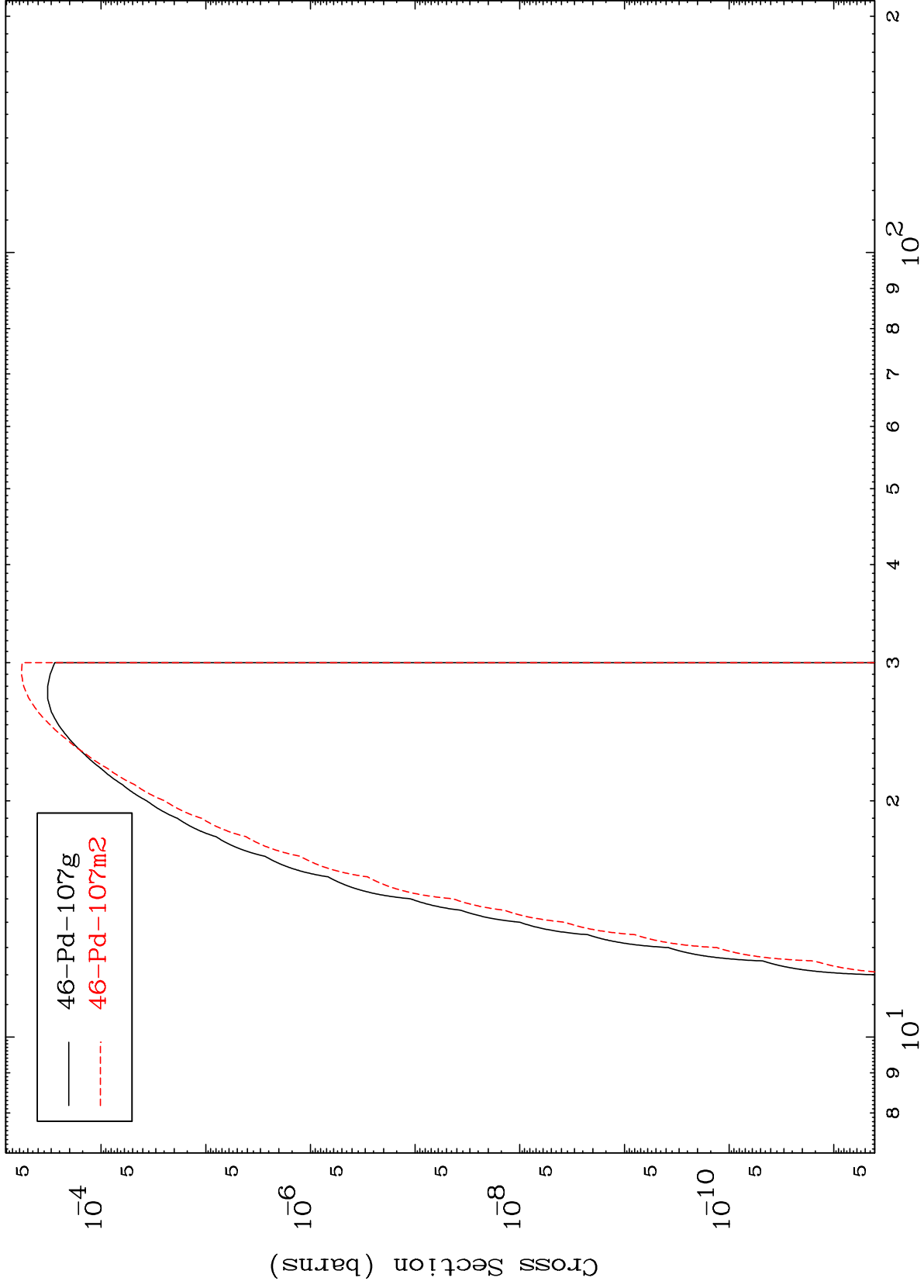
Incident Energy (MeV)

48-Cd-108

MAT 4831

48-Cd-108

(n,2p)
Radionuclide Production Cross Section



142

Incident Energy (MeV)

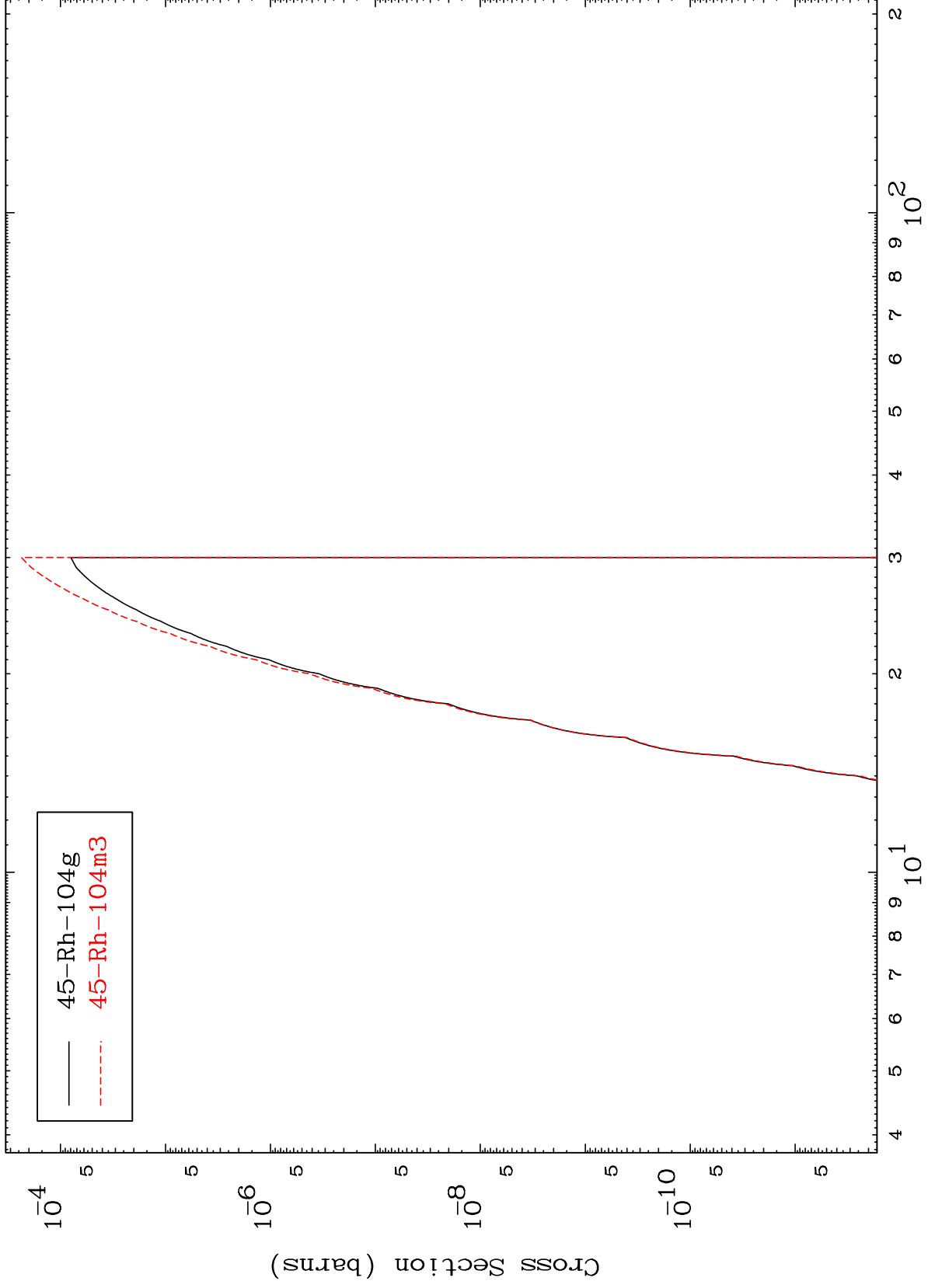
48-Cd-108

MAT 4831

(n,p) α

48-Cd-108

Radionuclide Production Cross Section



143

Incident Energy (MeV)

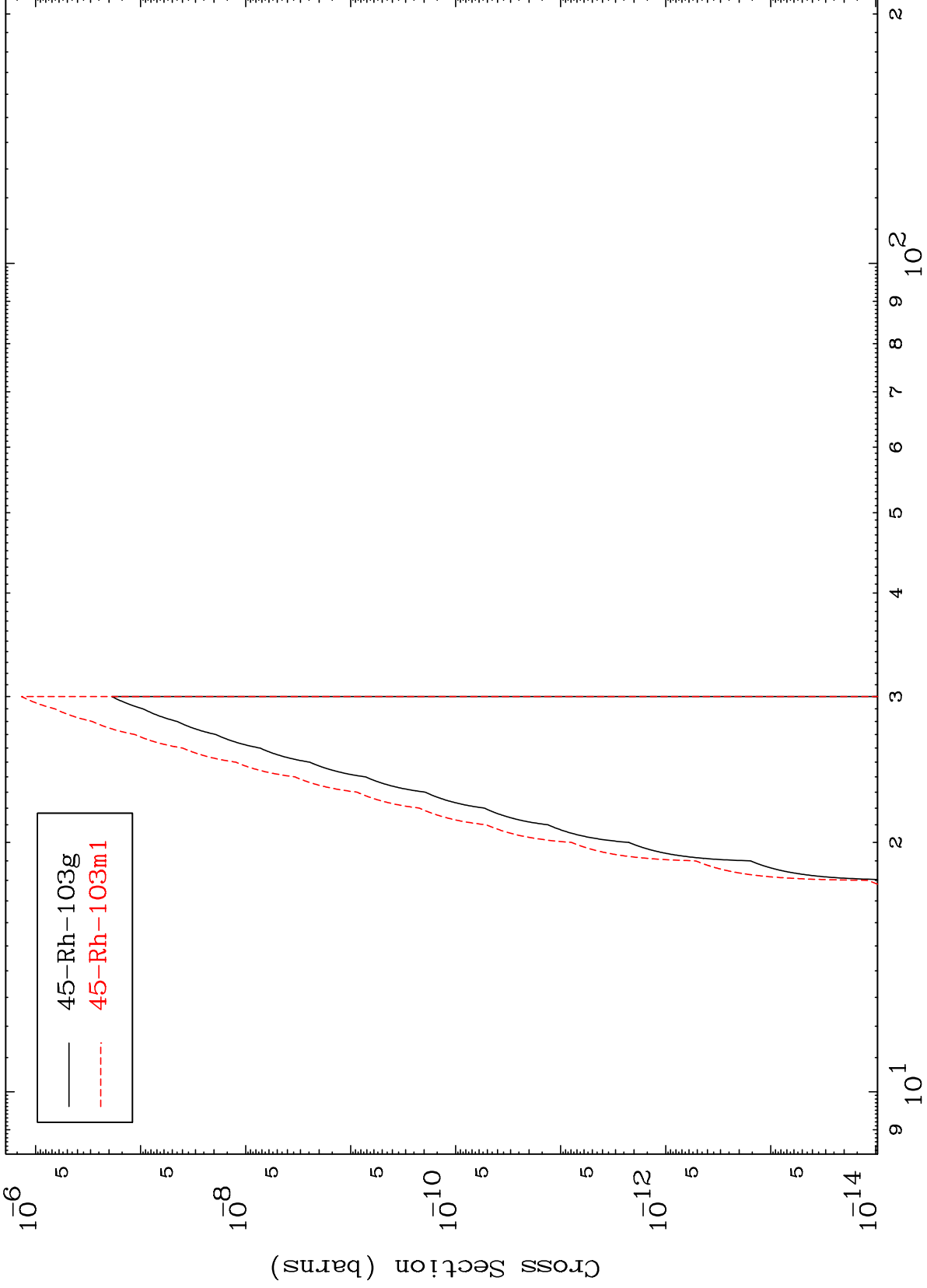
48-Cd-108

MAT 4831

(n,d) α

48-Cd-108

Radionuclide Production Cross Section



144

Incident Energy (MeV)

48-Cd-108