

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

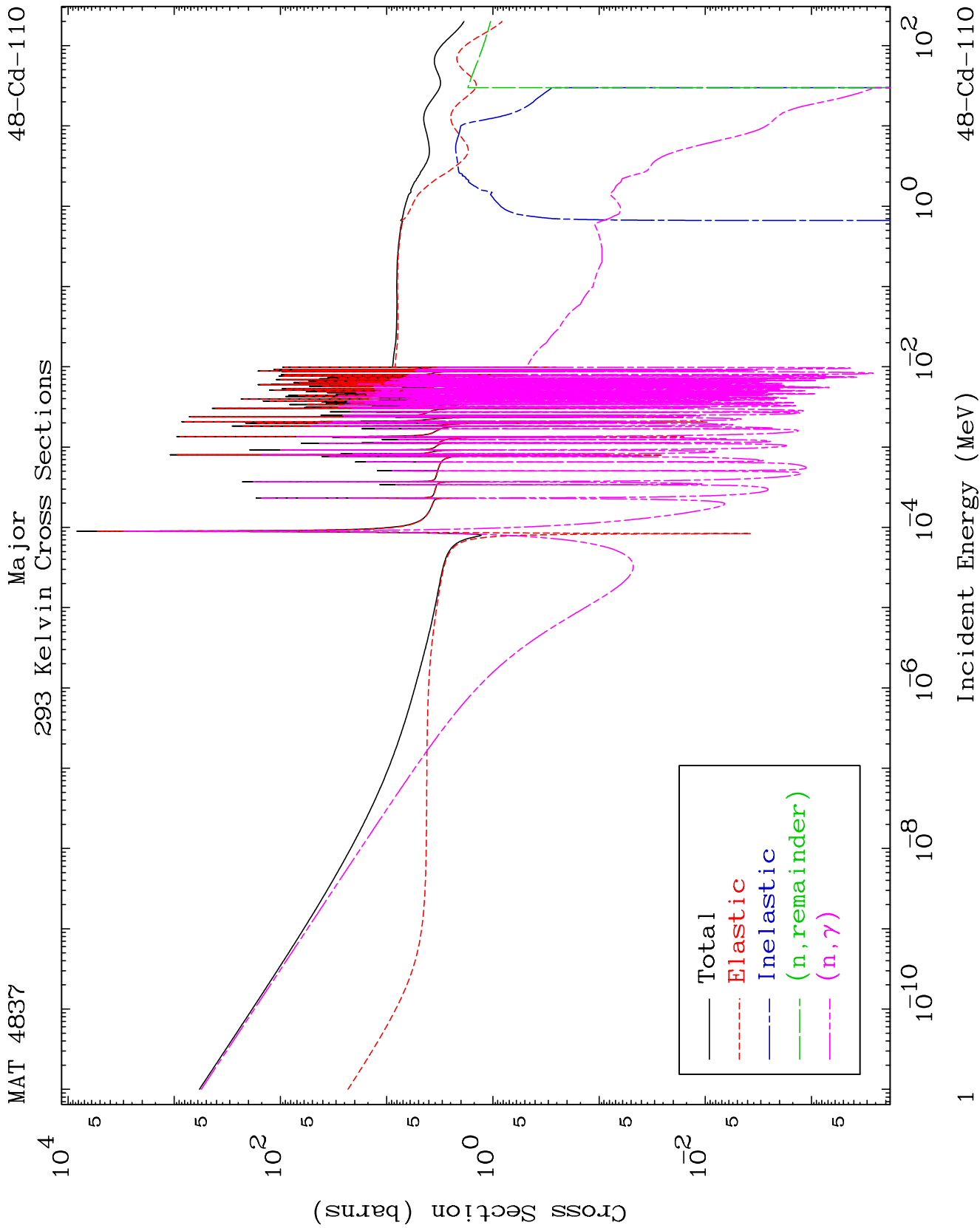
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

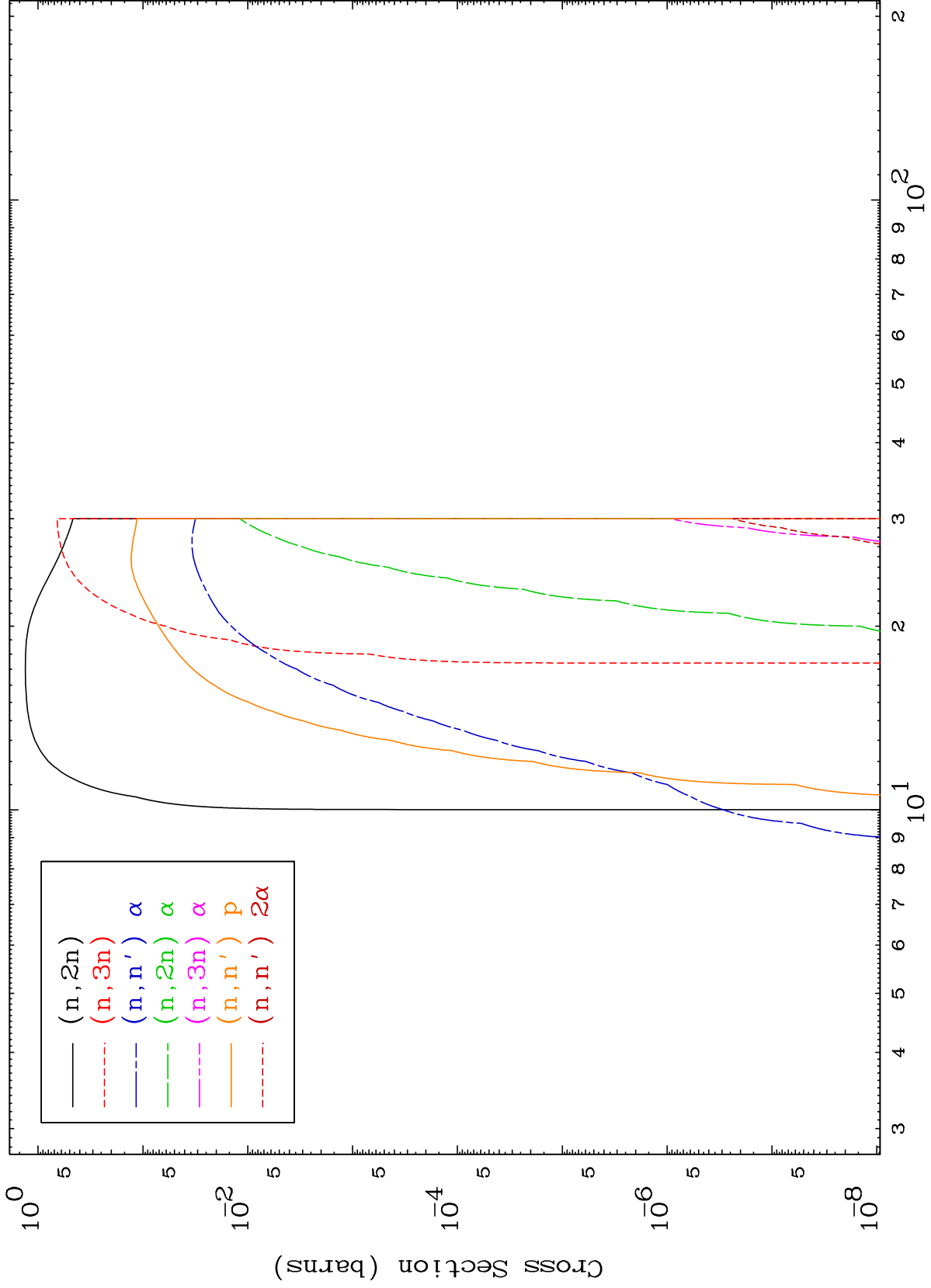
Press Mouse Button to Start

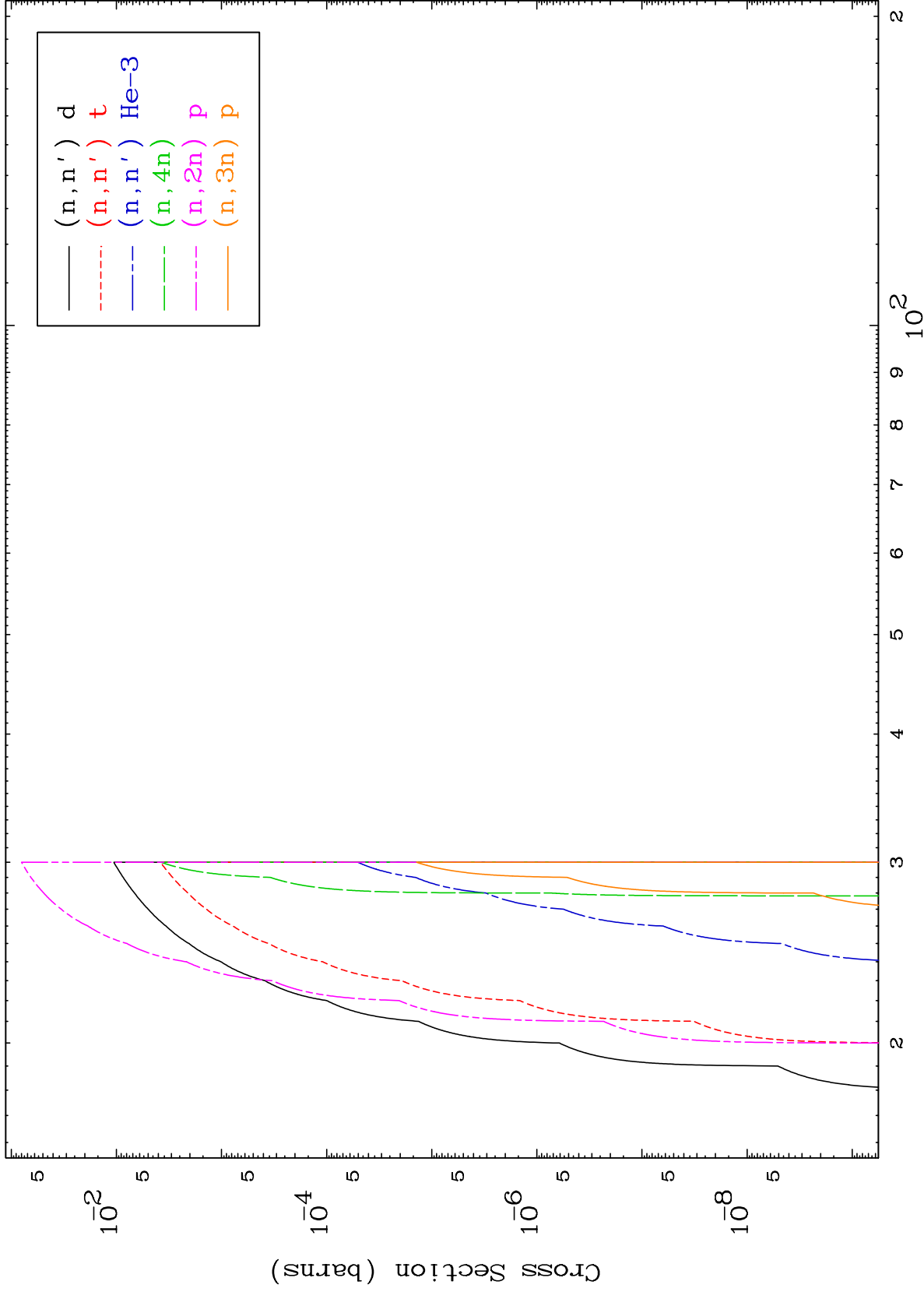


MAT 4837

Neutron Production
293 Kelvin Cross Sections

48-Cd-110

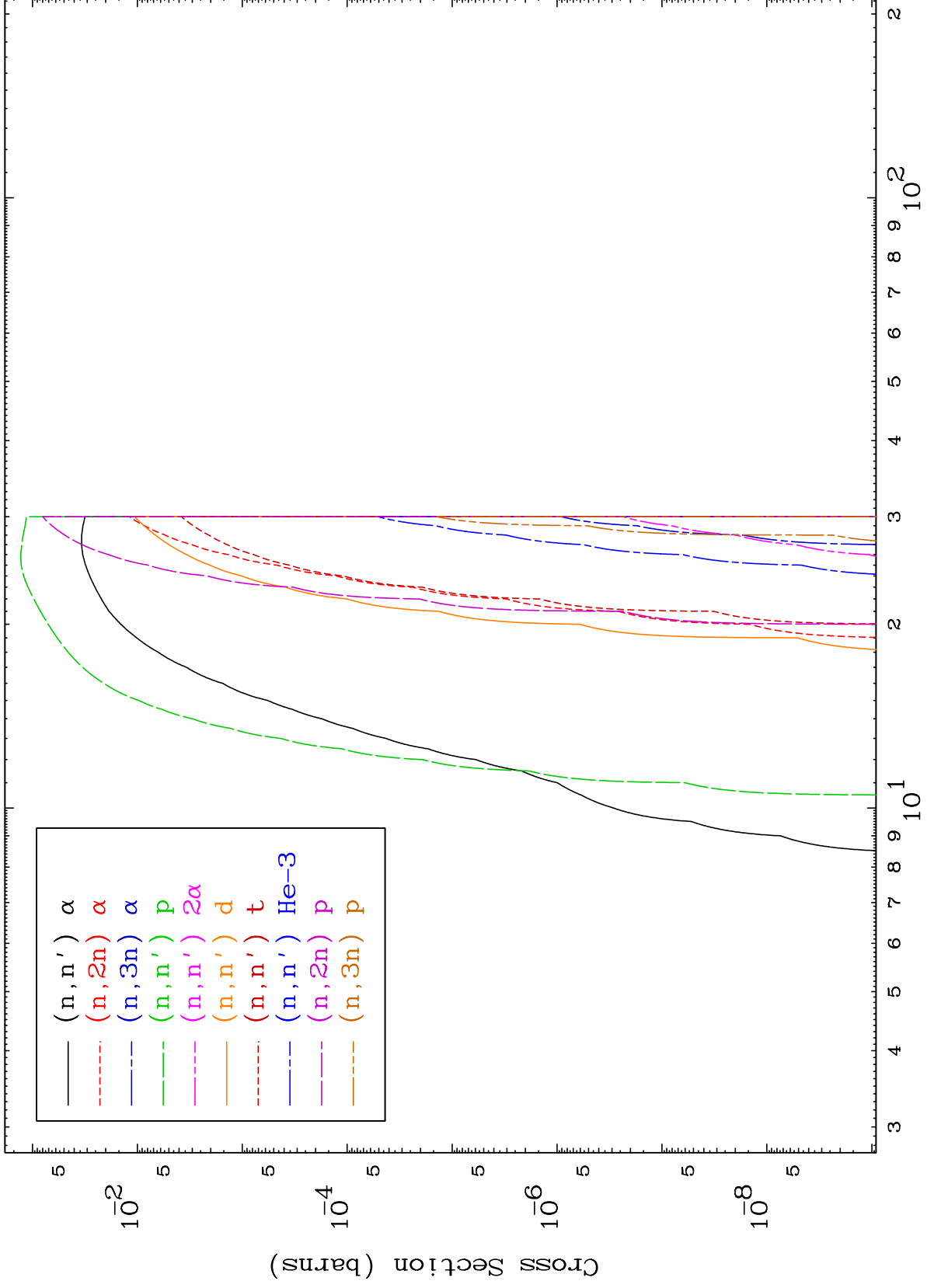




MAT 4837

Charged Particle
293 Kelvin Cross Sections

48-Cd-110



4

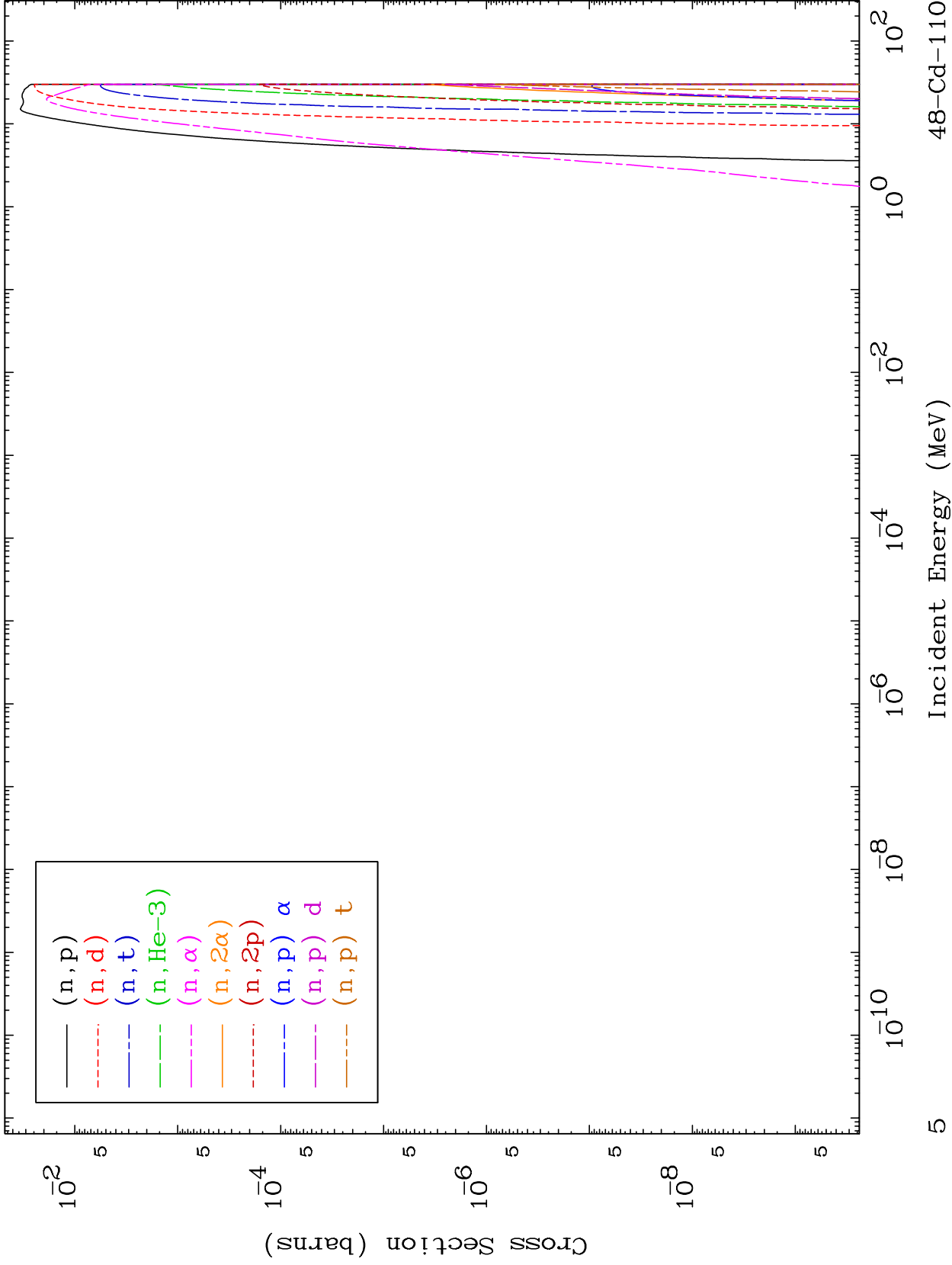
Incident Energy (MeV)

48-Cd-110

MAT 4837

Charged Particle
293 Kelvin Cross Sections

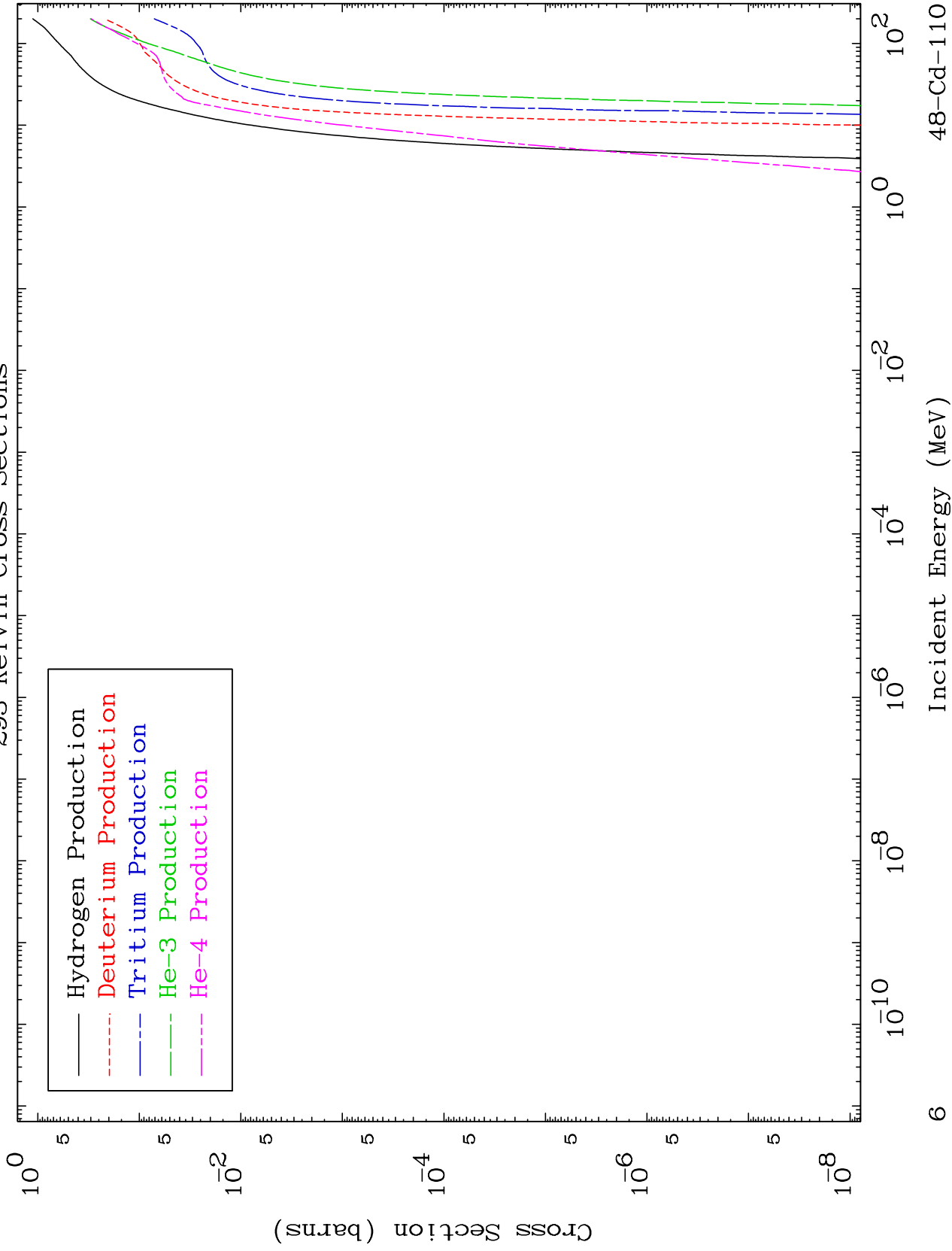
48-Cd-110



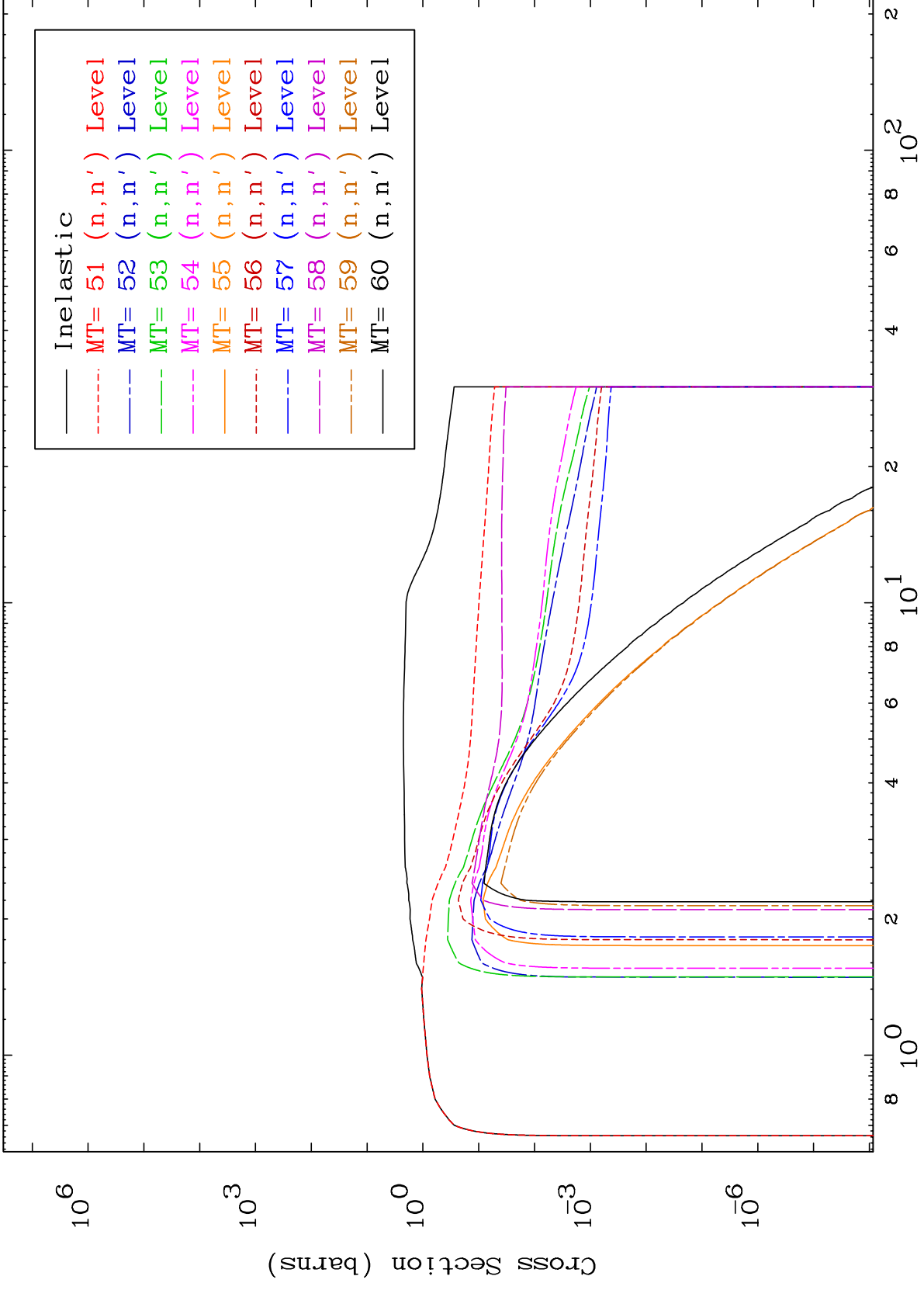
MAT 4837

Particle Production
293 Kelvin Cross Sections

48-Cd-110



293 Kelvin Cross Sections

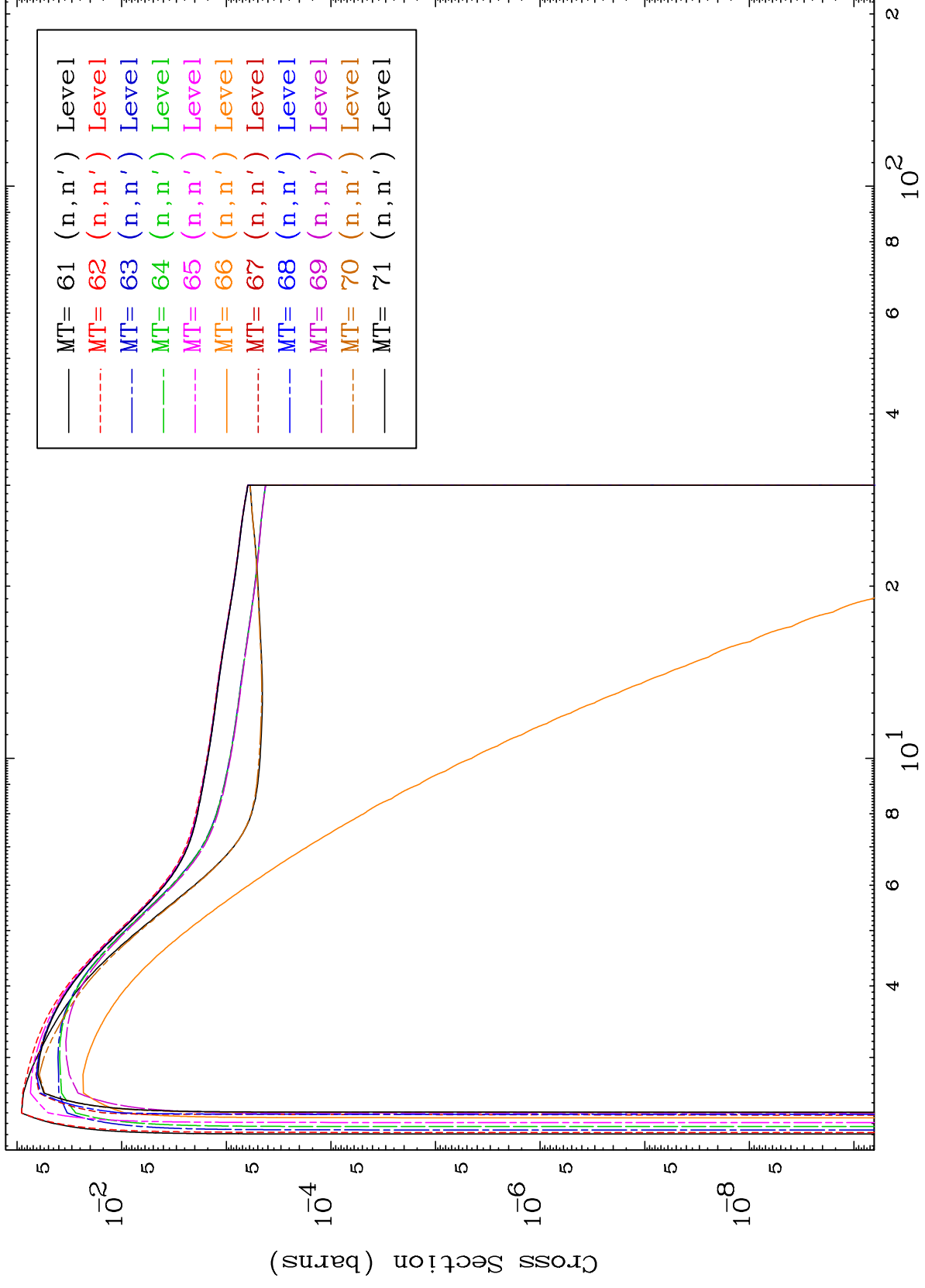


MAT 4837

(n,n') Level

48-Cd-110

293 Kelvin Cross Sections



8

Incident Energy (MeV)

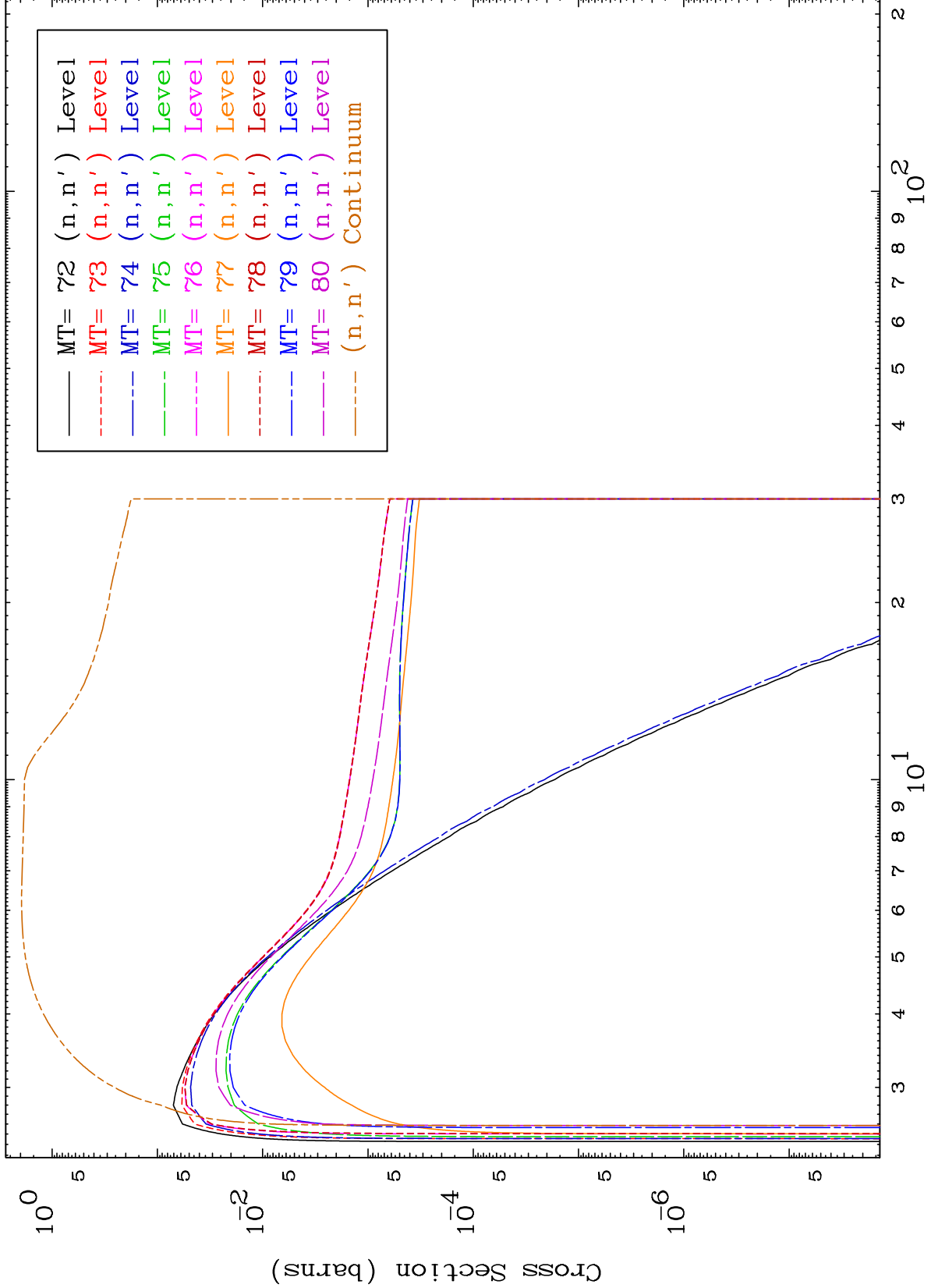
48-Cd-110

MAT 4837

(n,n') Level

48-Cd-110

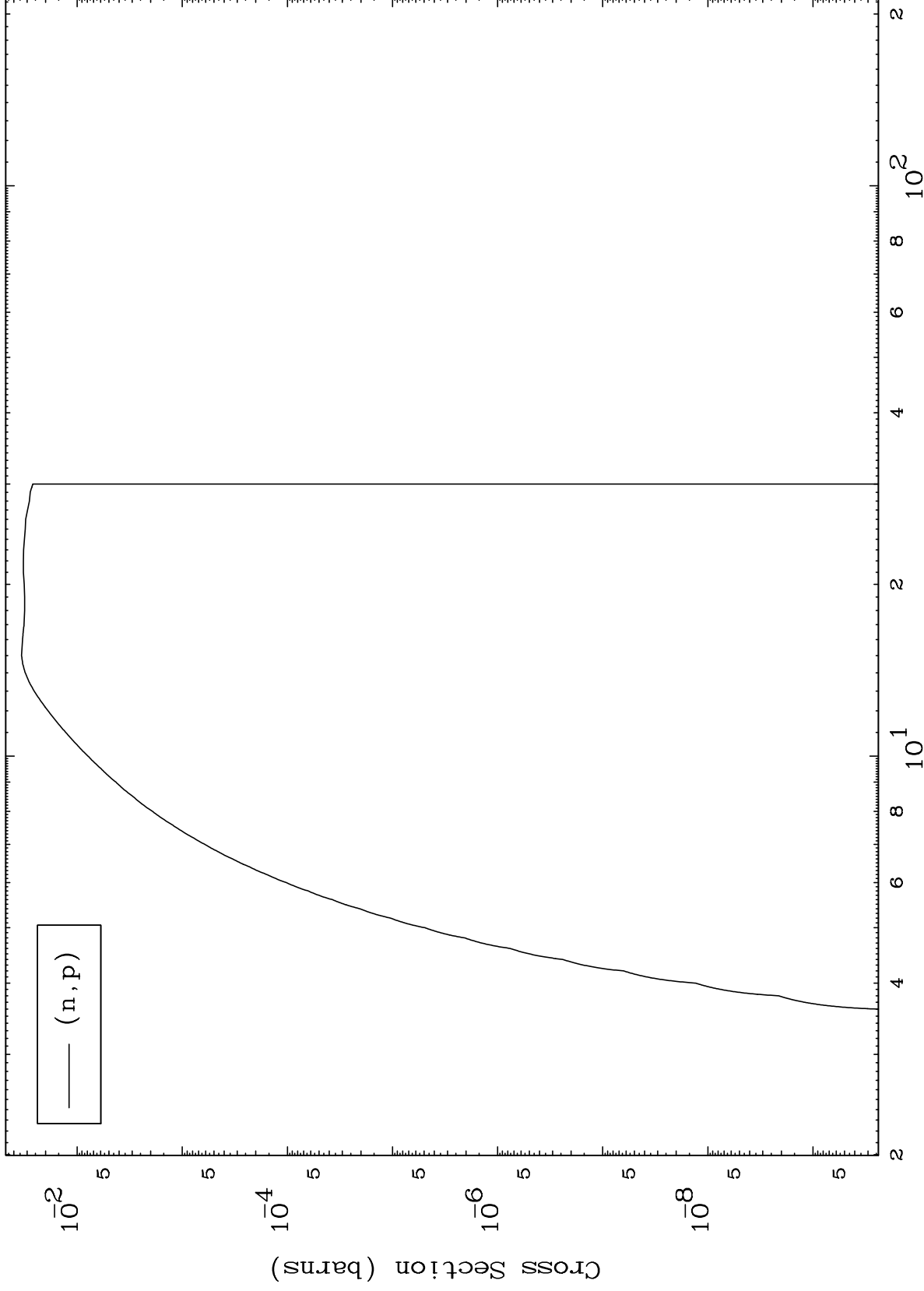
293 Kelvins Cross Sections



MAT 4837

(n,p) Levels
293 Kelvin Cross Sections

48-Cd-110



10

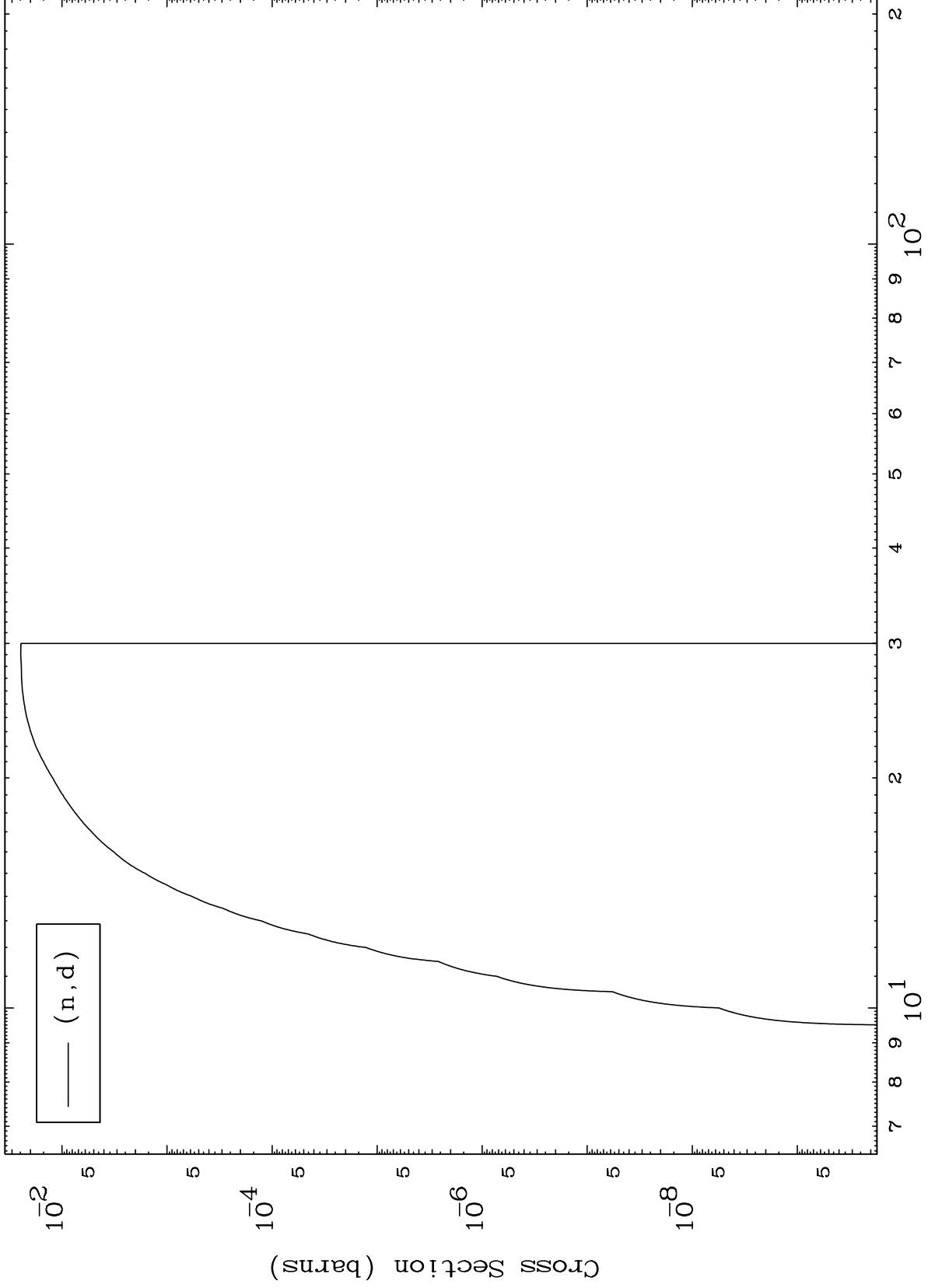
Incident Energy (MeV)

48-Cd-110

MAT 4837

(n,d) Levels
293 Kelvin Cross Sections

48-Cd-110



11

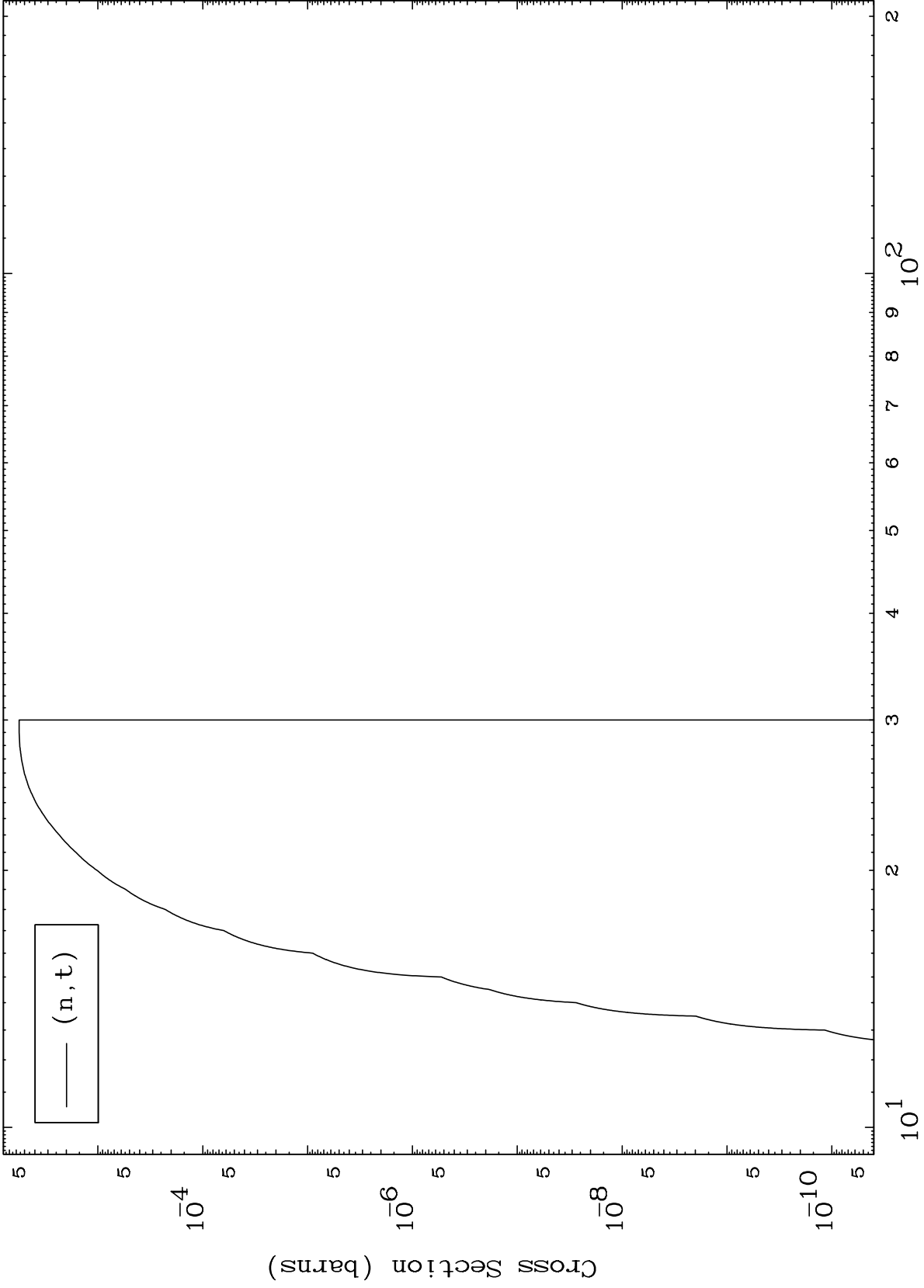
Incident Energy (MeV)

48-Cd-110

MAT 4837

(n,t) Levels
293 Kelvin Cross Sections

48-Cd-110



12

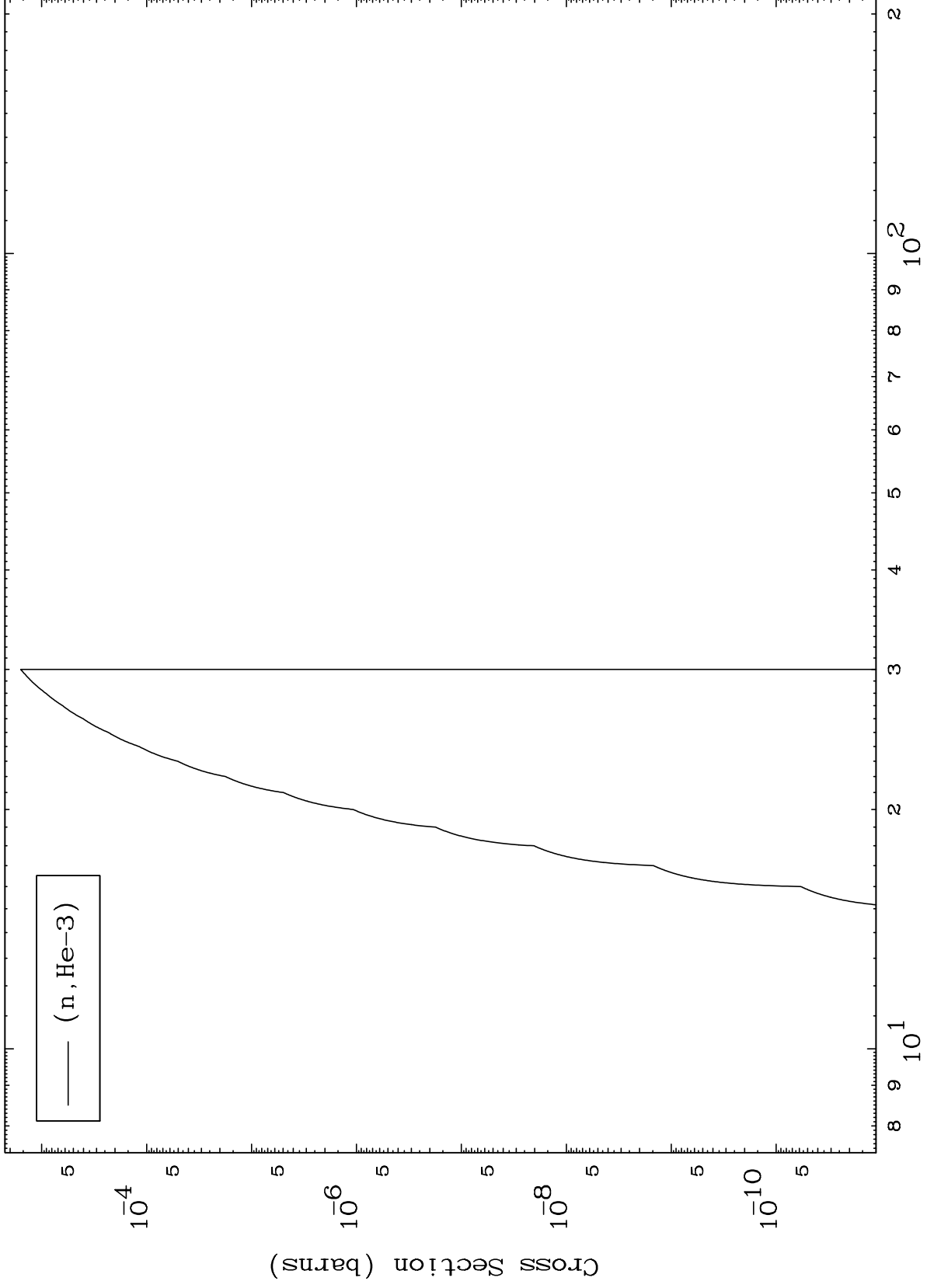
Incident Energy (MeV)

48-Cd-110

MAT 4837

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-110



13

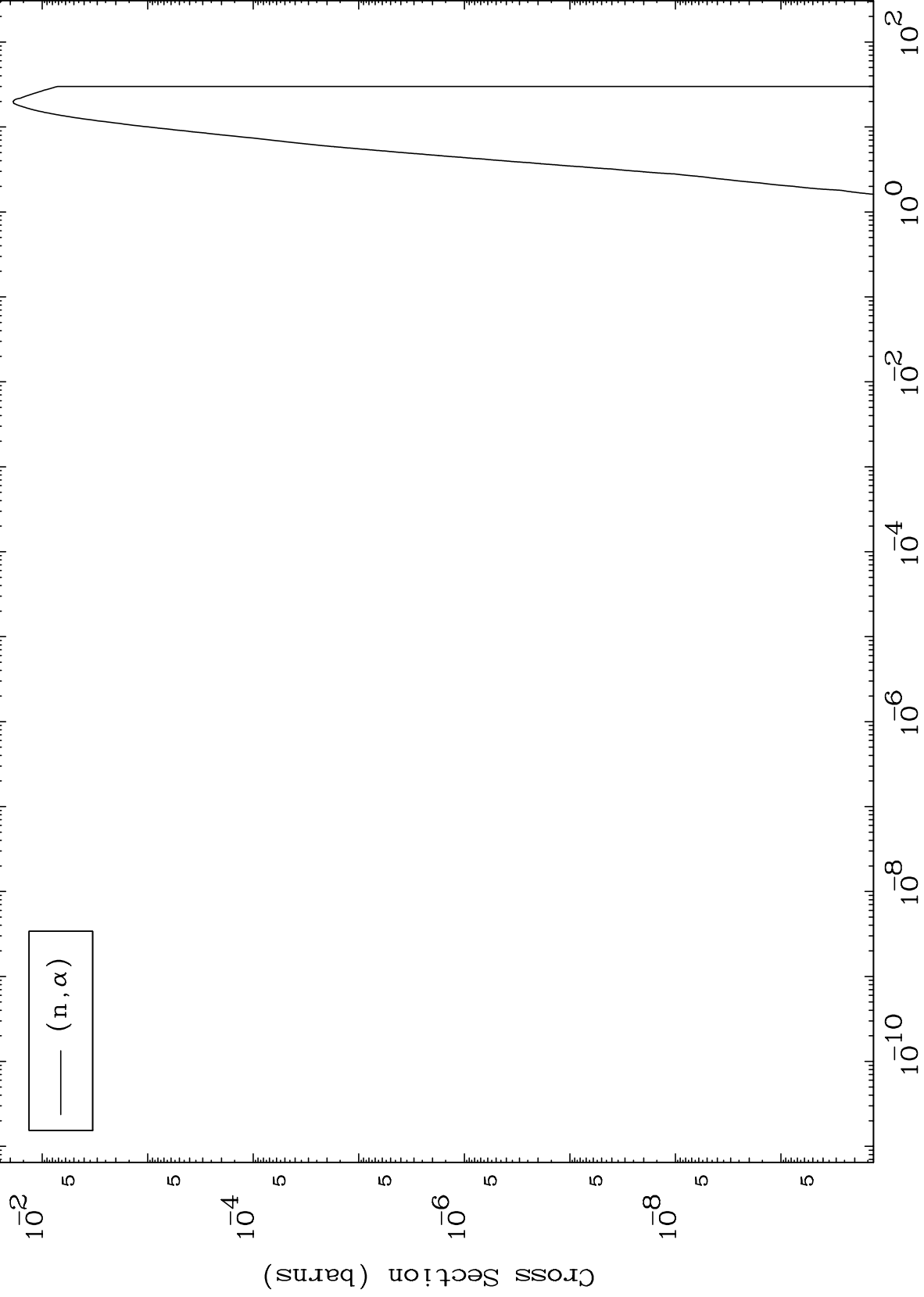
Incident Energy (MeV)

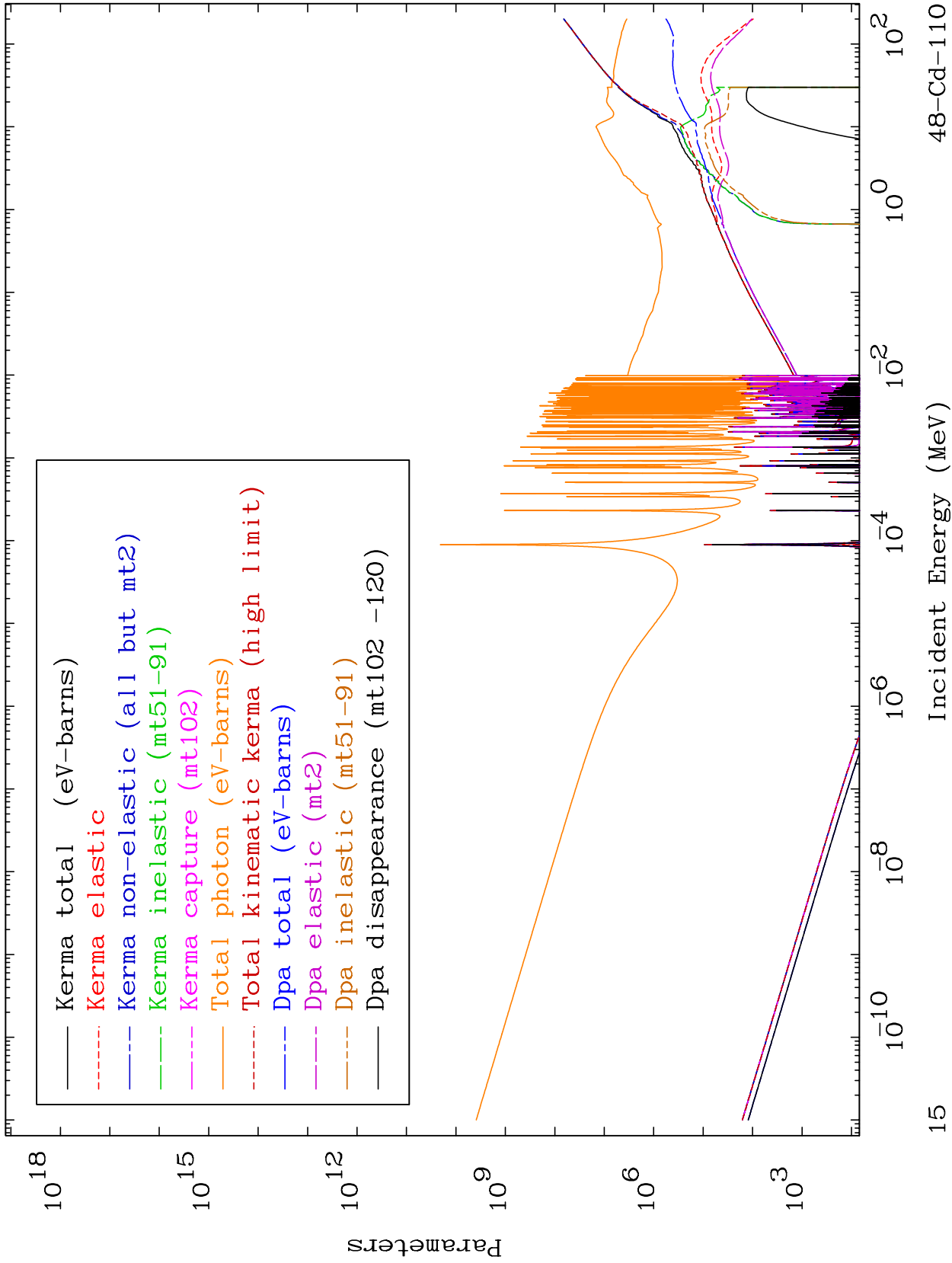
48-Cd-110

MAT 4837

(n, α) Levels
293 Kelvin Cross Sections

48-Cd-110

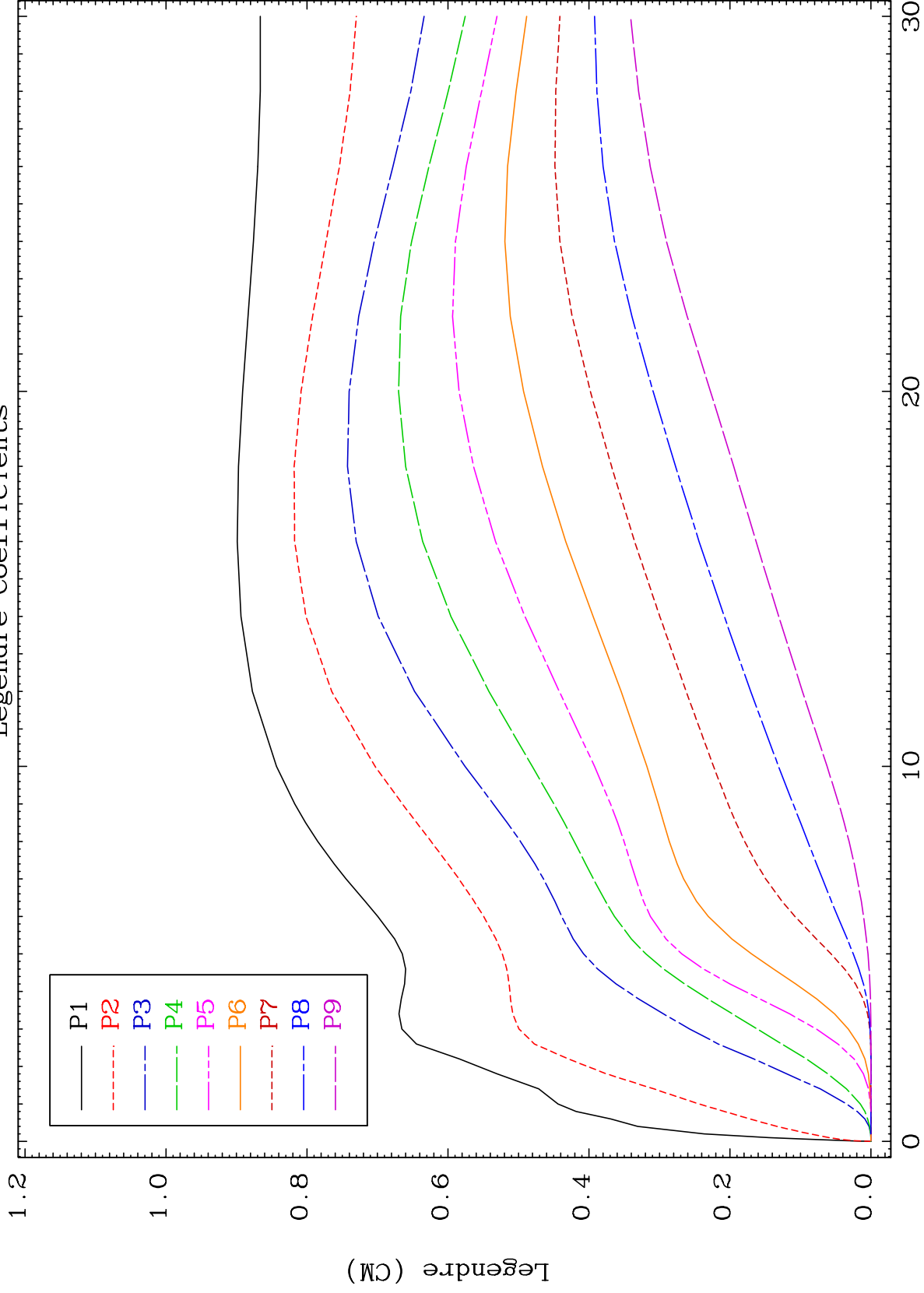




MAT 4837

Elastic Legendre Coefficients

48-Cd-110



16

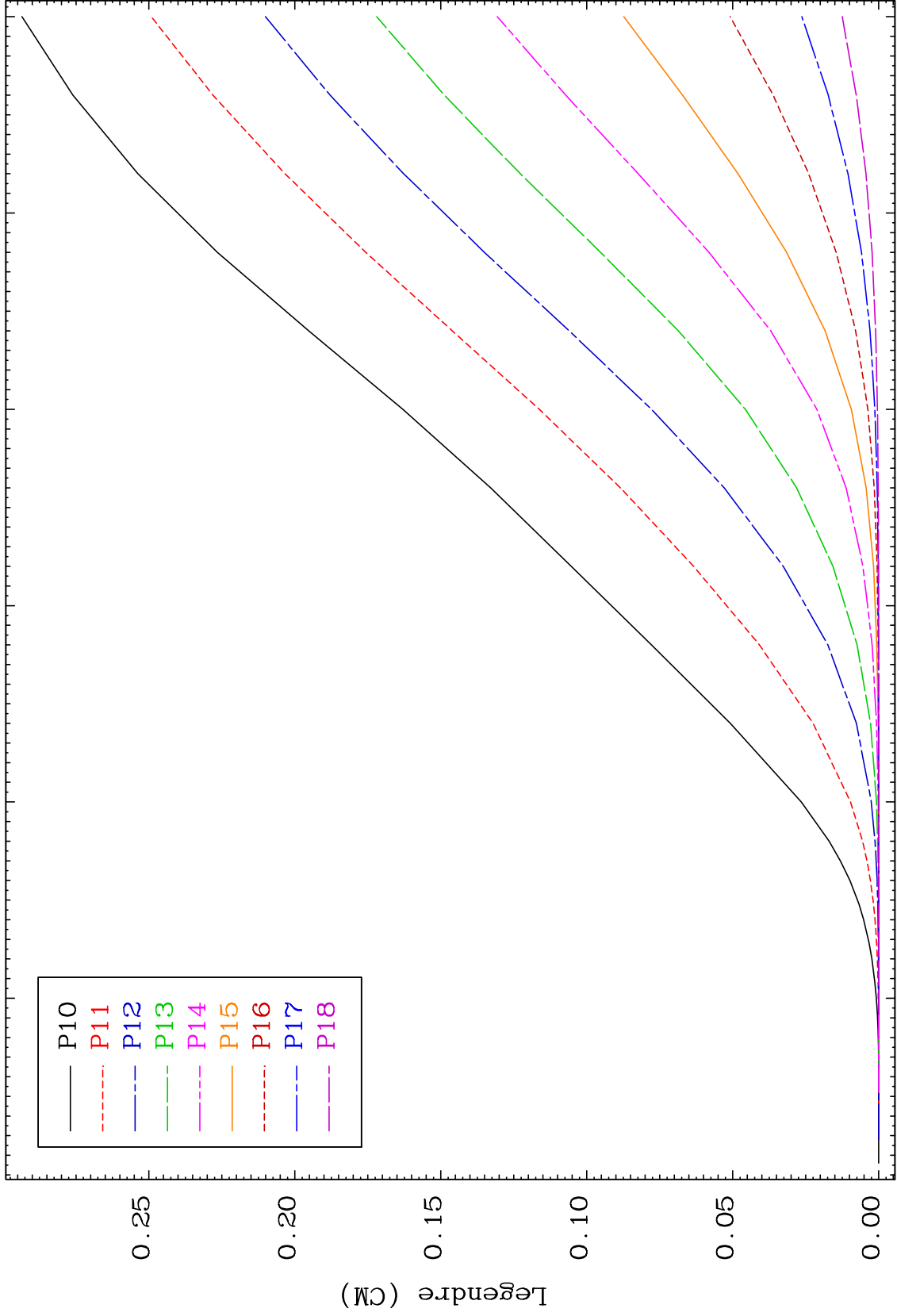
Incident Energy (MeV)

48-Cd-110

MAT 4837

Elastic Legendre Coefficients

48-Cd-110



17

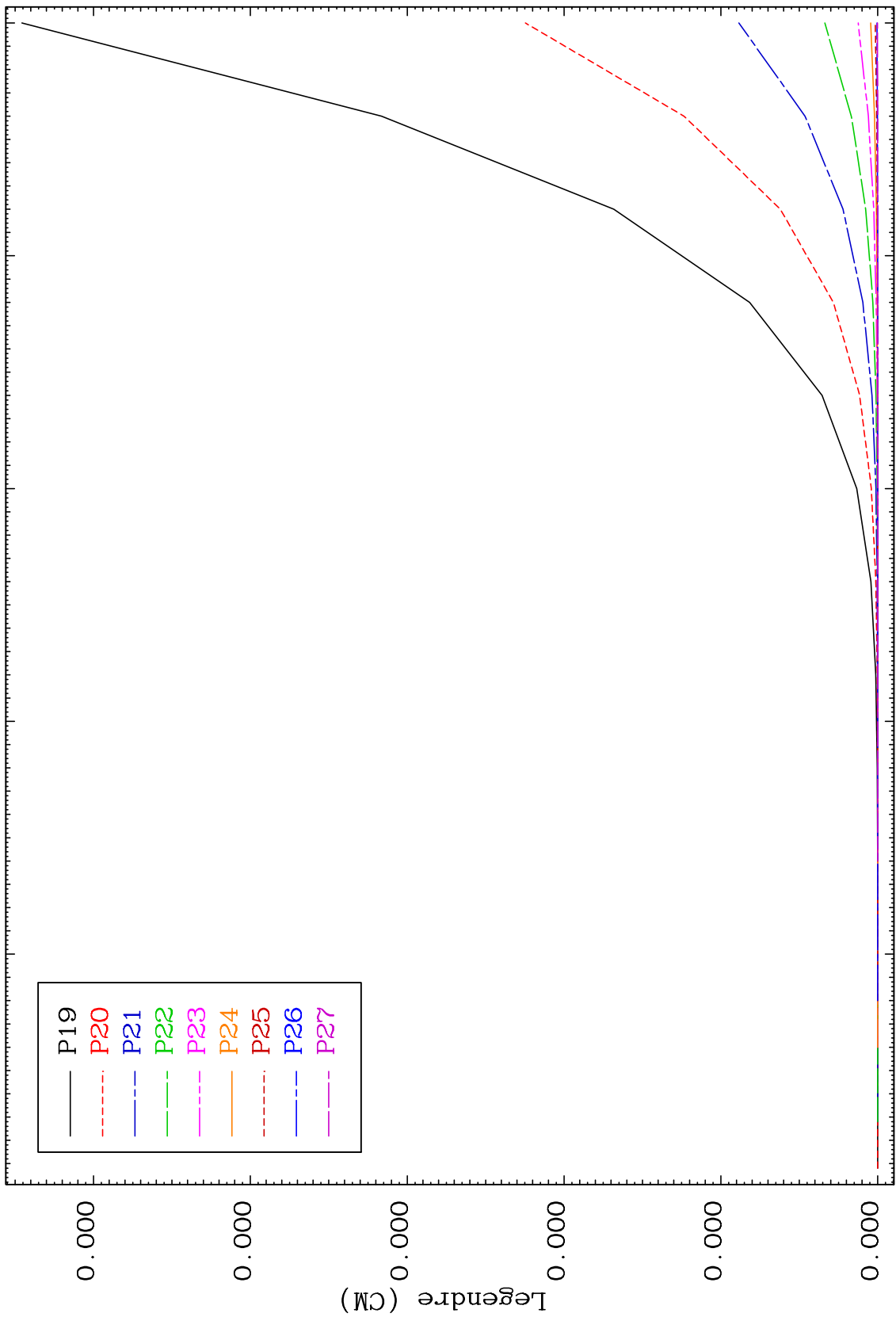
Incident Energy (MeV)

48-Cd-110

MAT 4837

Elastic Legendre Coefficients

48-Cd-110



18

Incident Energy (MeV)

48-Cd-110

MAT 4837

Elastic Legendre Coefficients

48-Cd-110

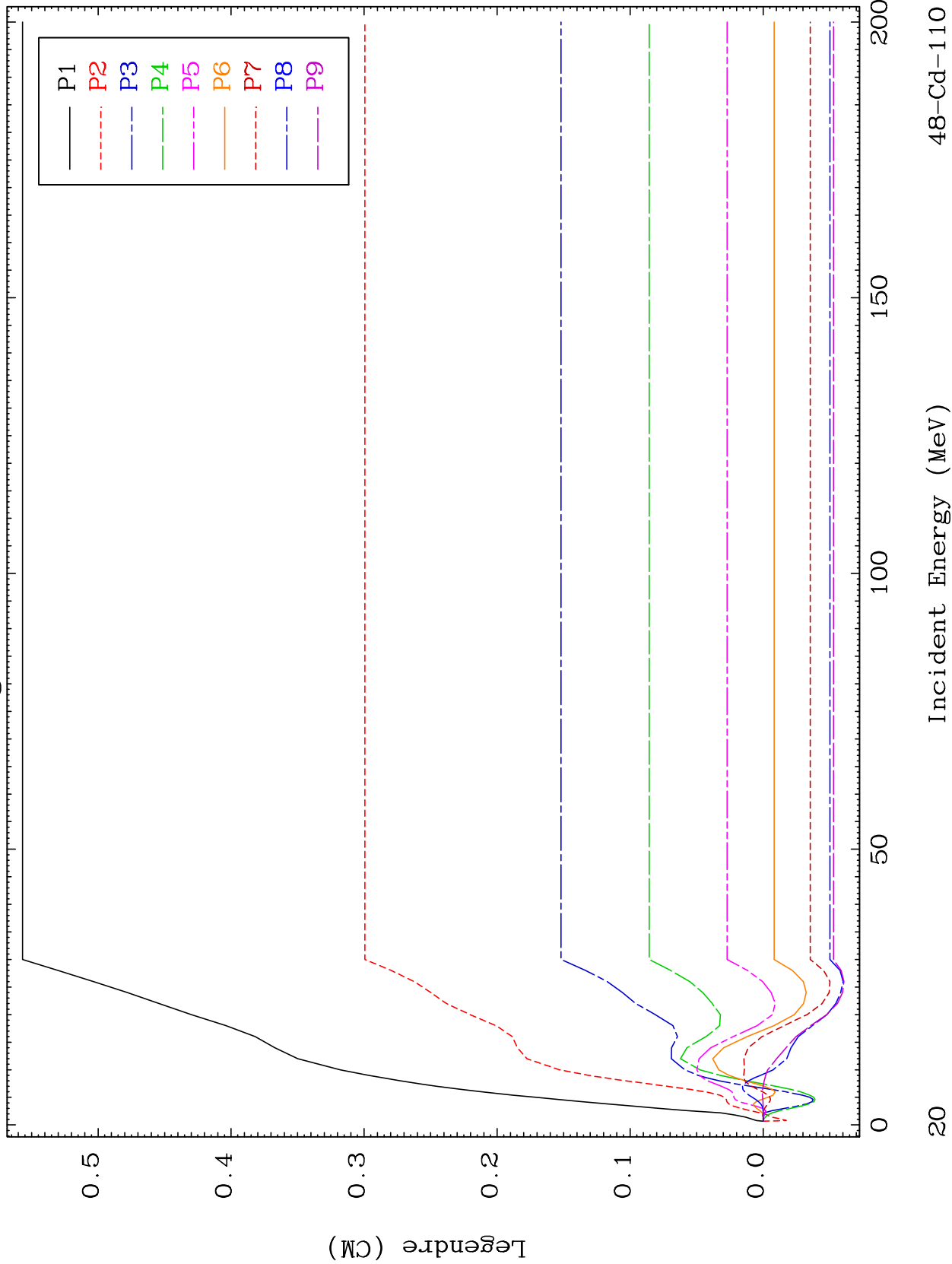


- P28
- P29
- P30
- P31
- P32
- P33
- P34

MAT 4837

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

48-Cd-110



48-Cd-110

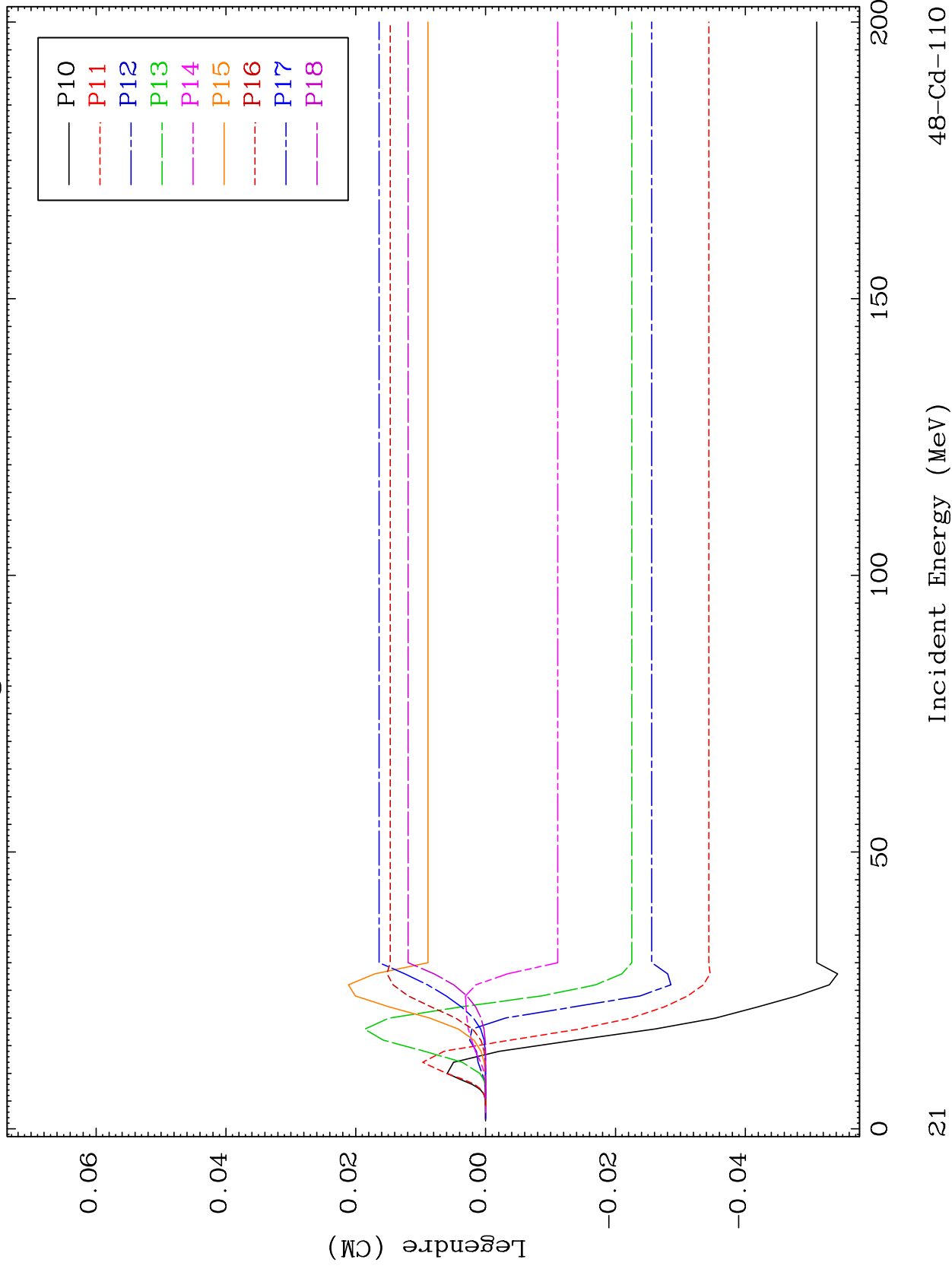
Incident Energy (MeV)

0

MAT 4837

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

48-Cd-110



21

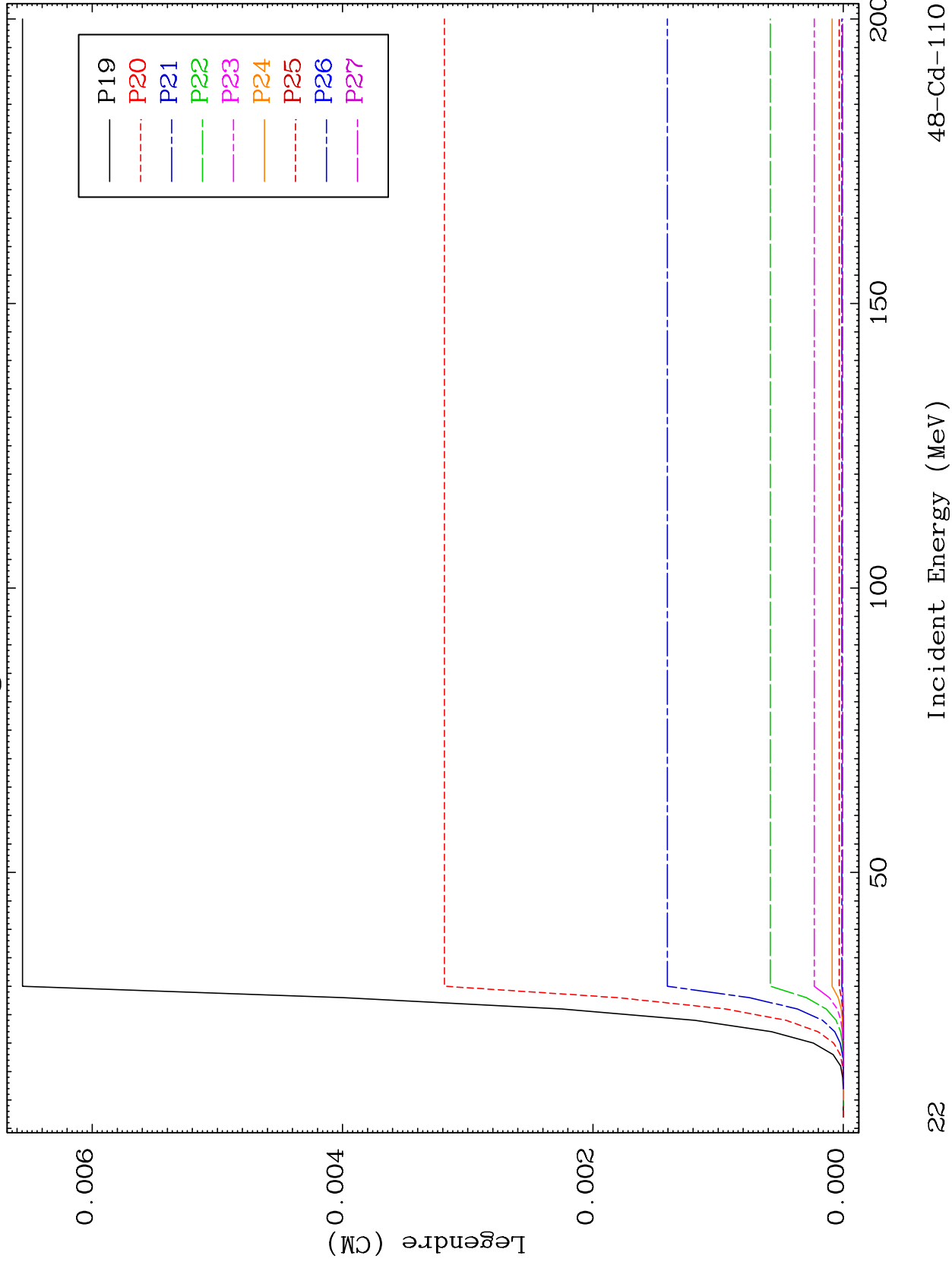
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



22

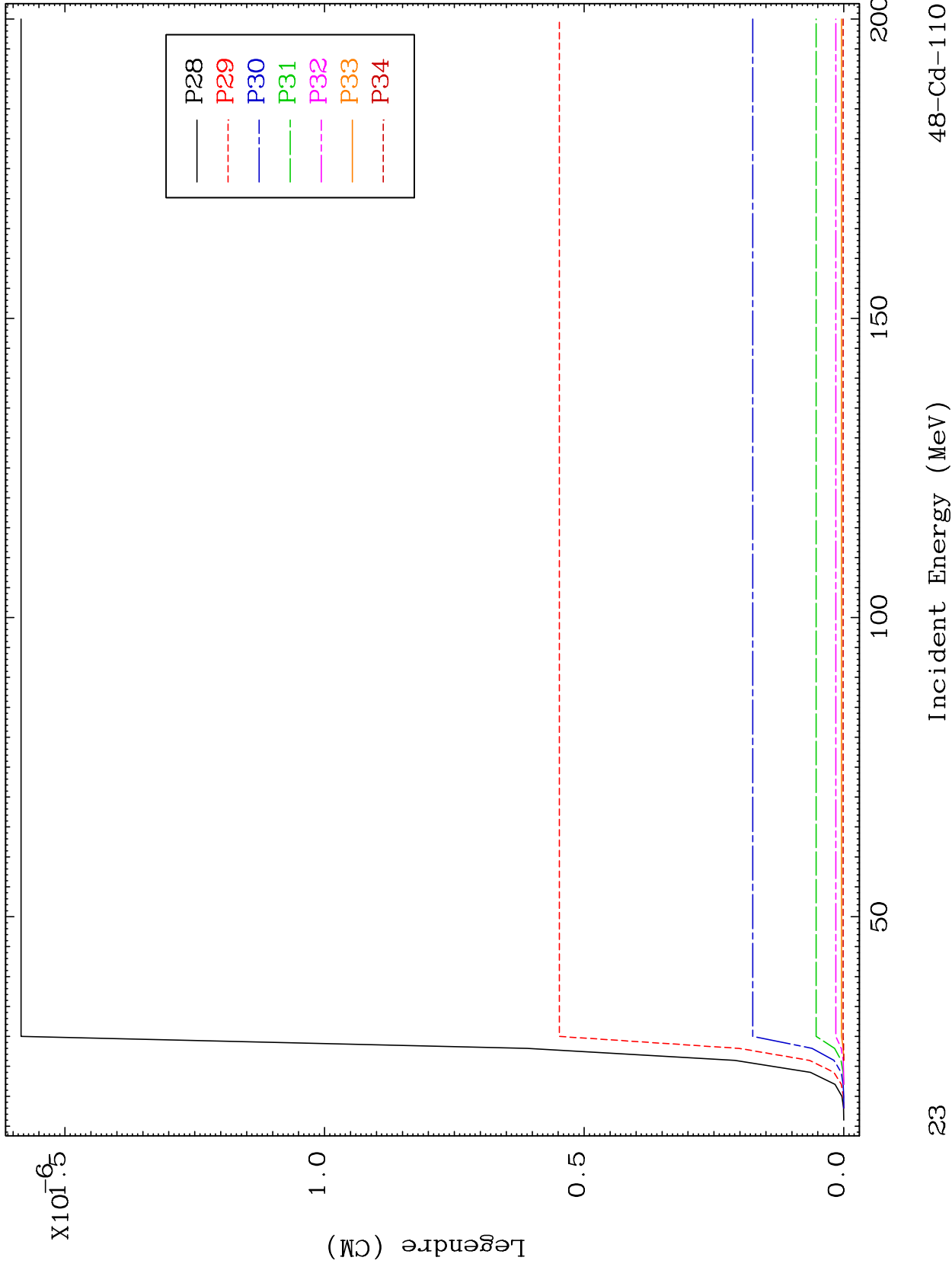
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110

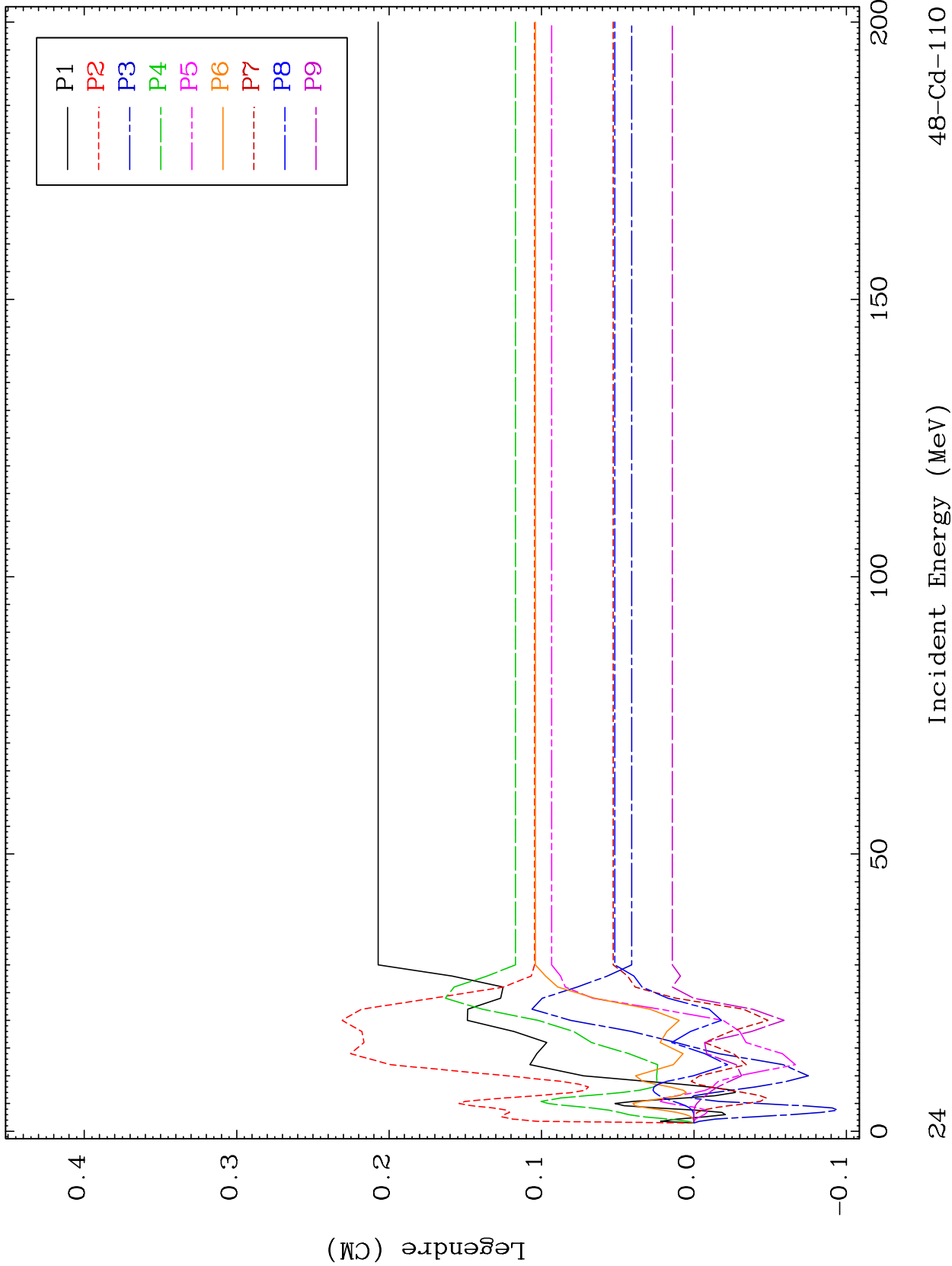


23

MAT 4837

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

48-Cd-110



48-Cd-110

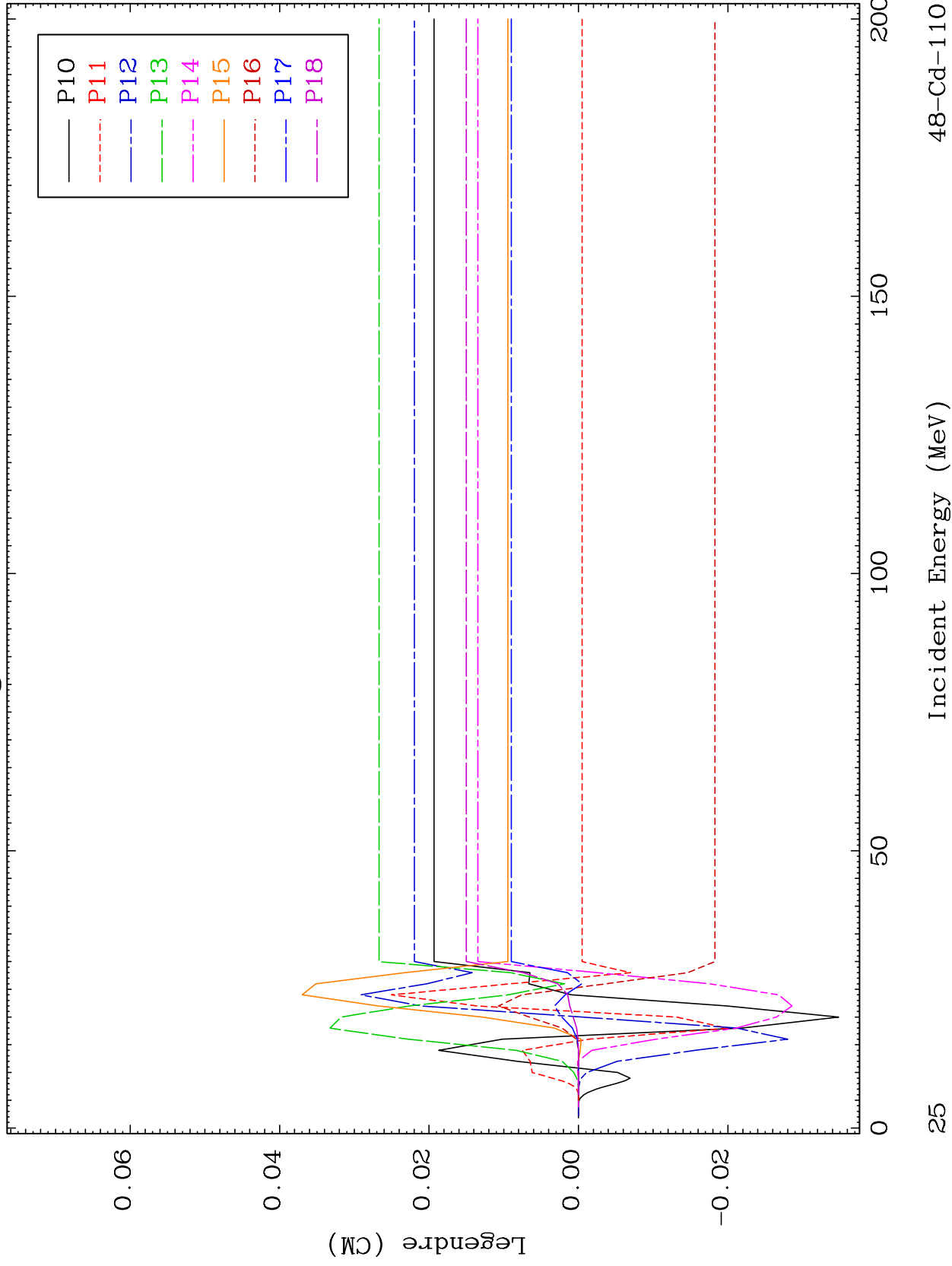
Incident Energy (MeV)

24

MAT 4837

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

48-Cd-110



48-Cd-110

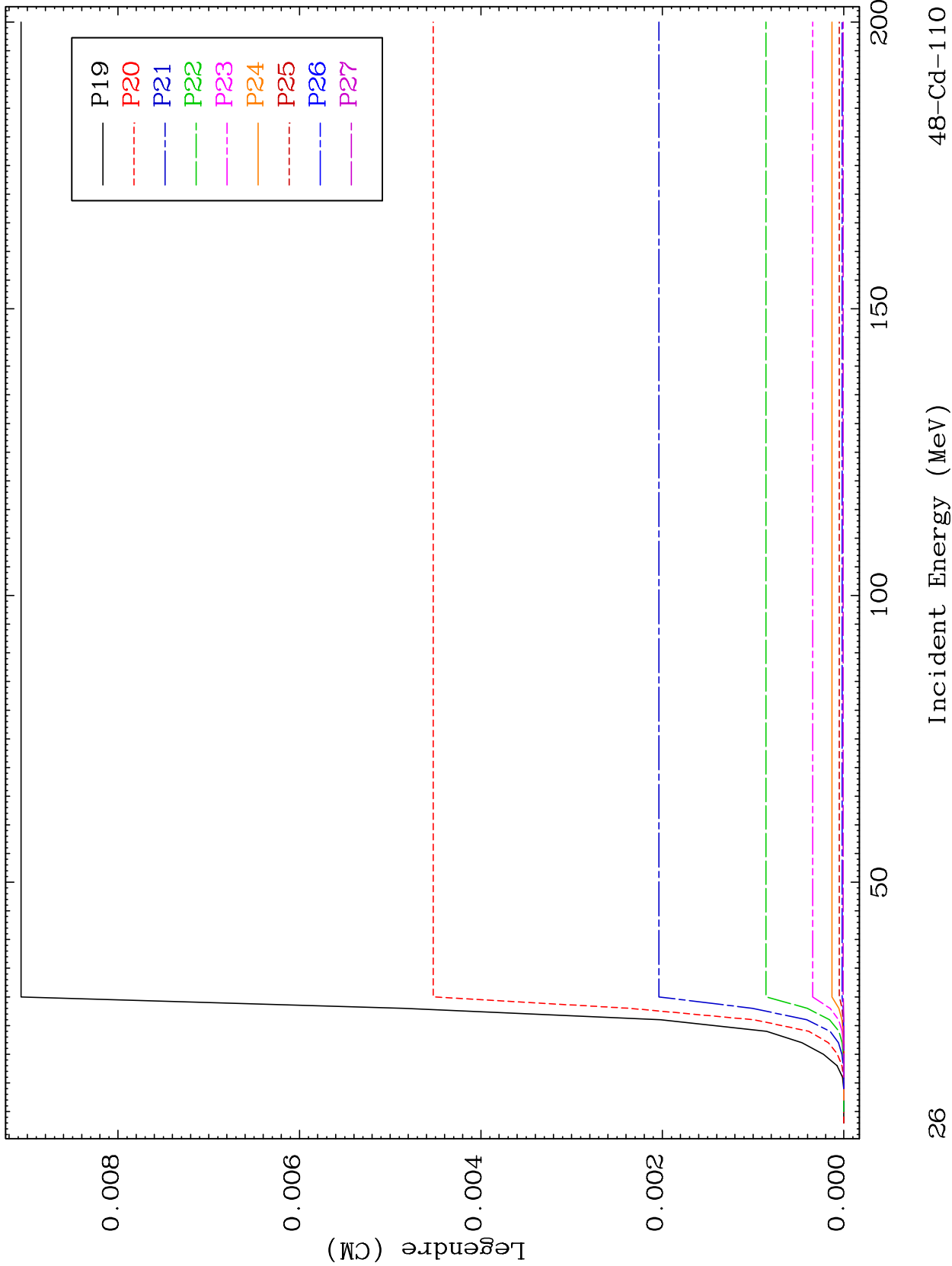
Incident Energy (MeV)

25

MAT 4837

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

48-Cd-110



26

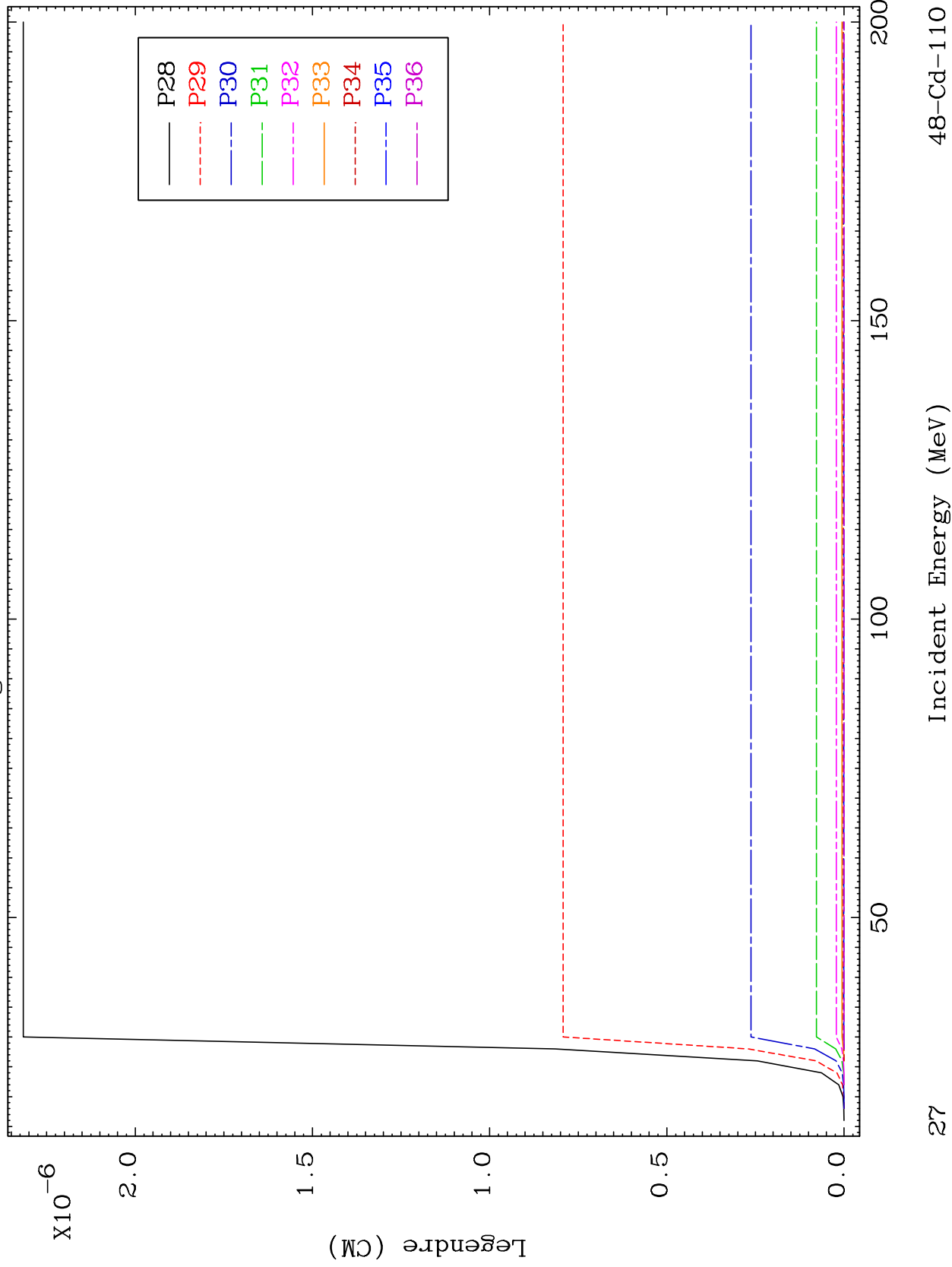
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



27

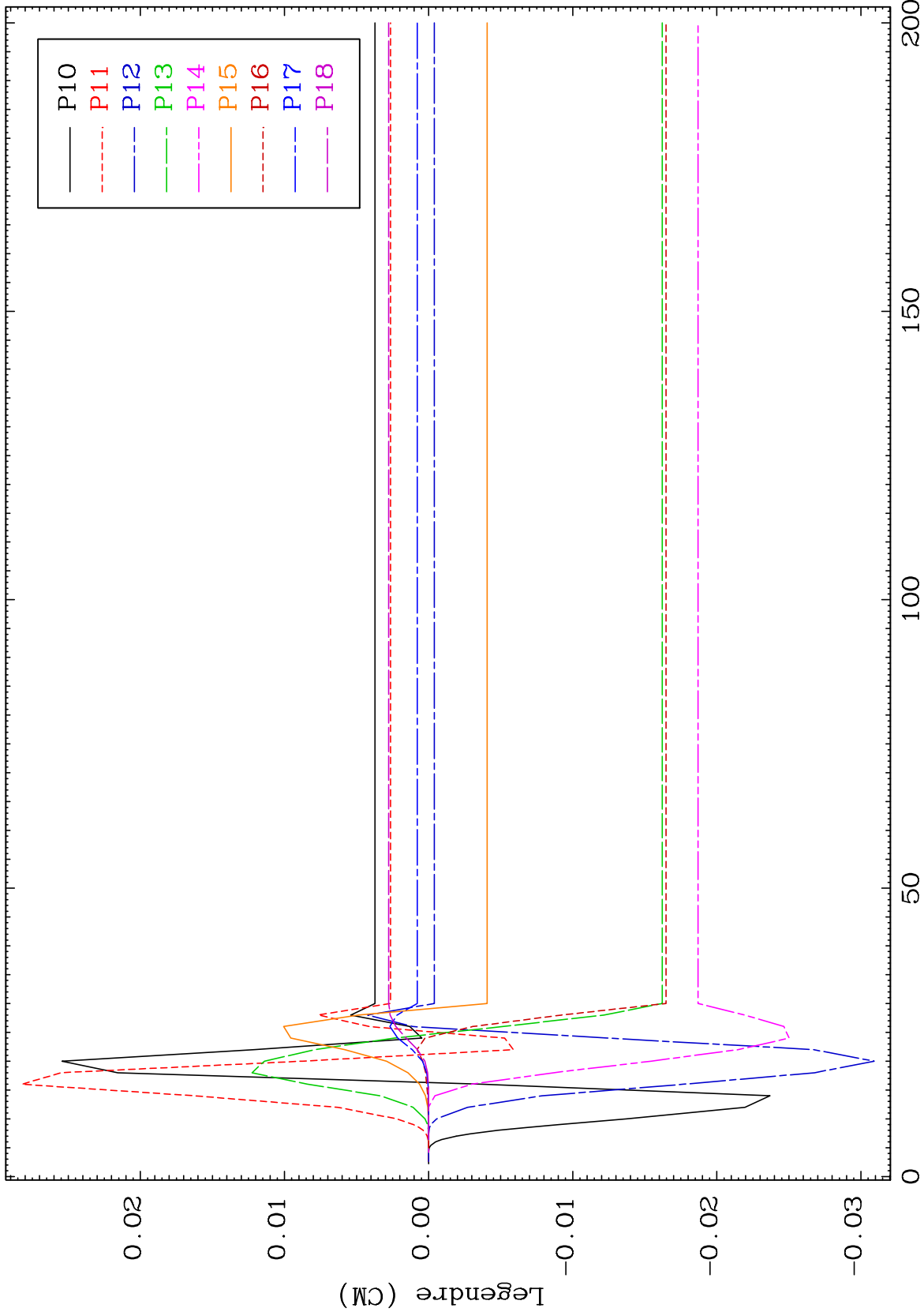
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



29

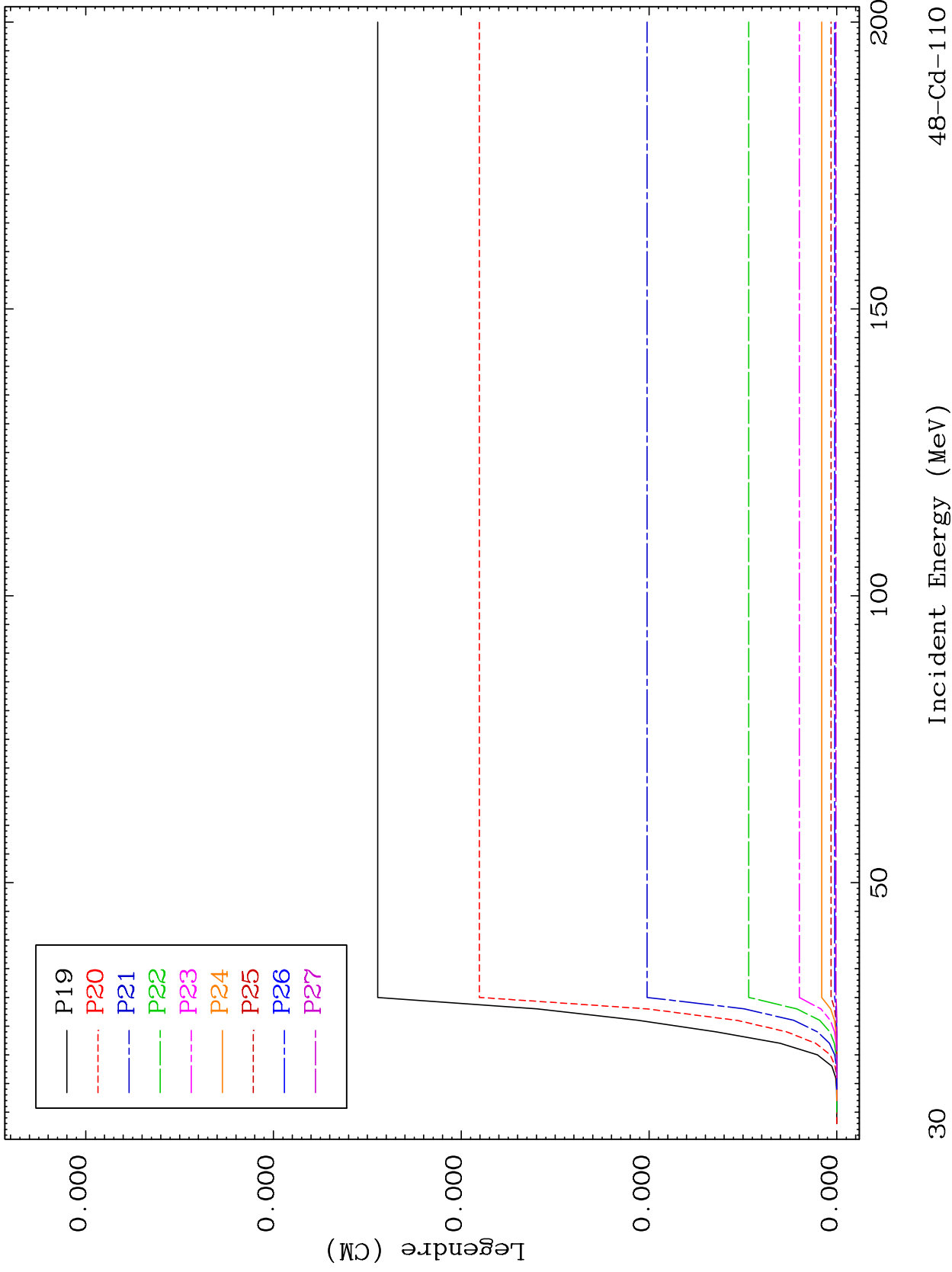
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

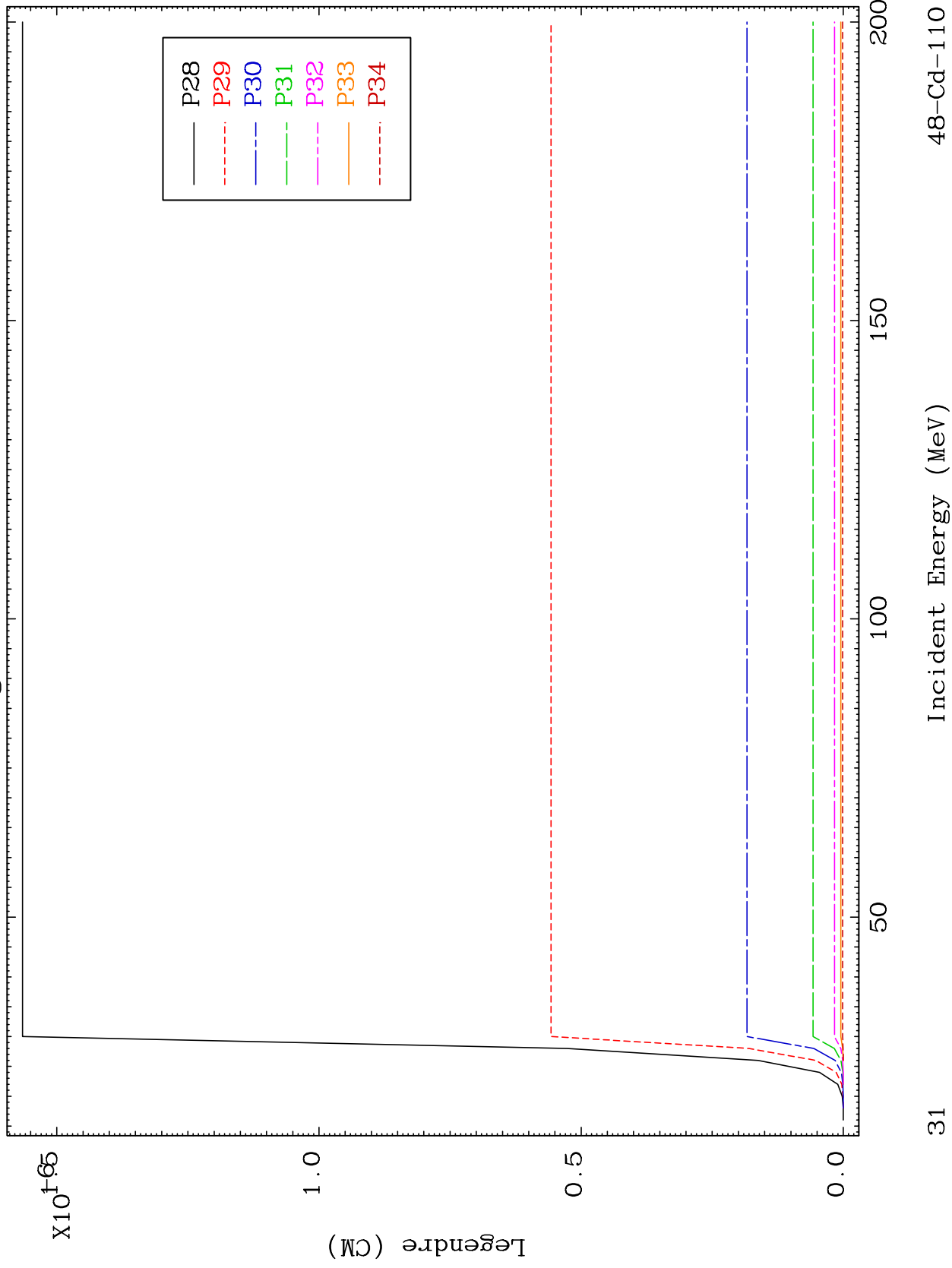
48-Cd-110



MAT 4837

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

48-Cd-110



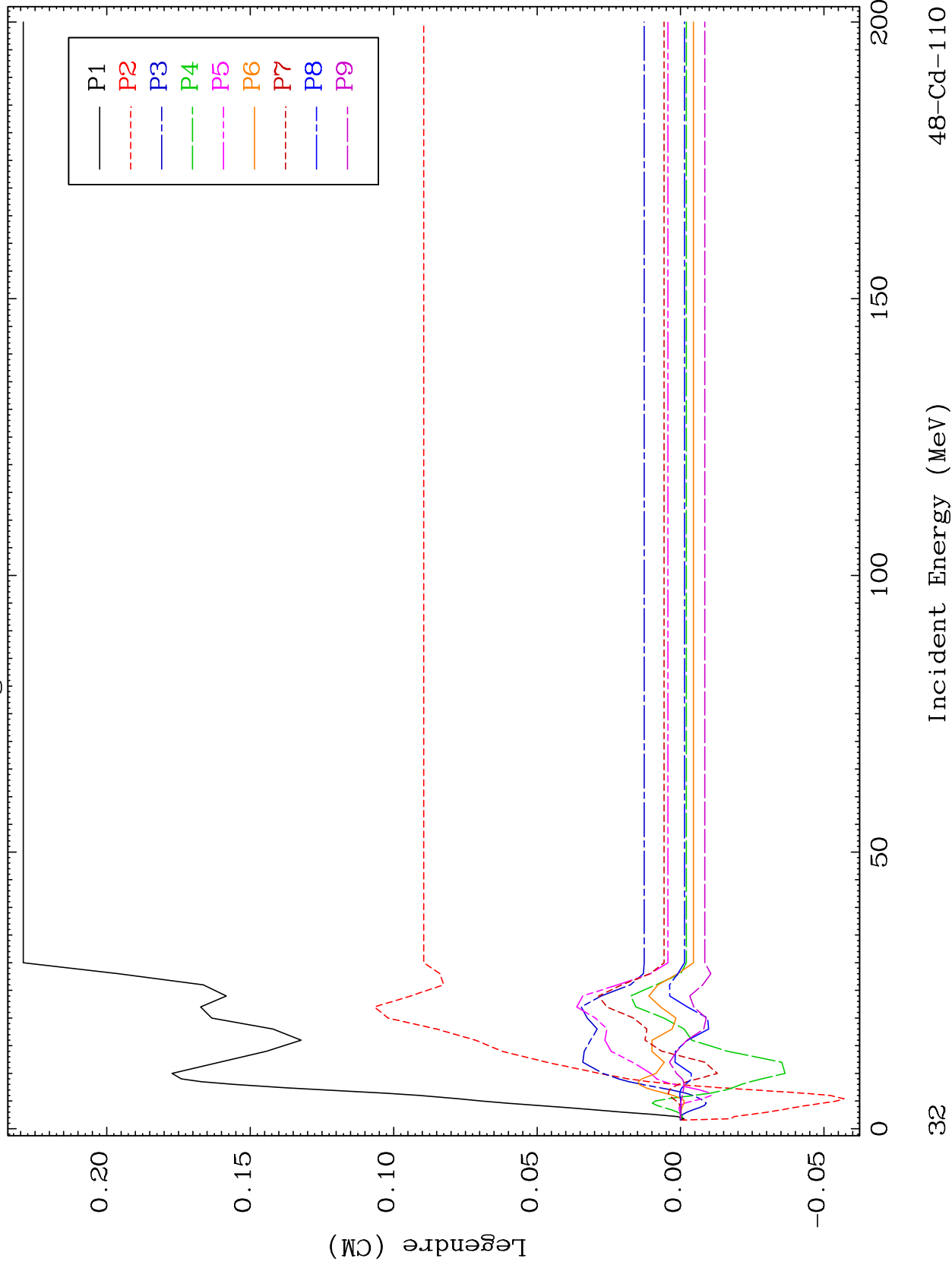
31

48-Cd-110

MAT 4837

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

48-Cd-110



32

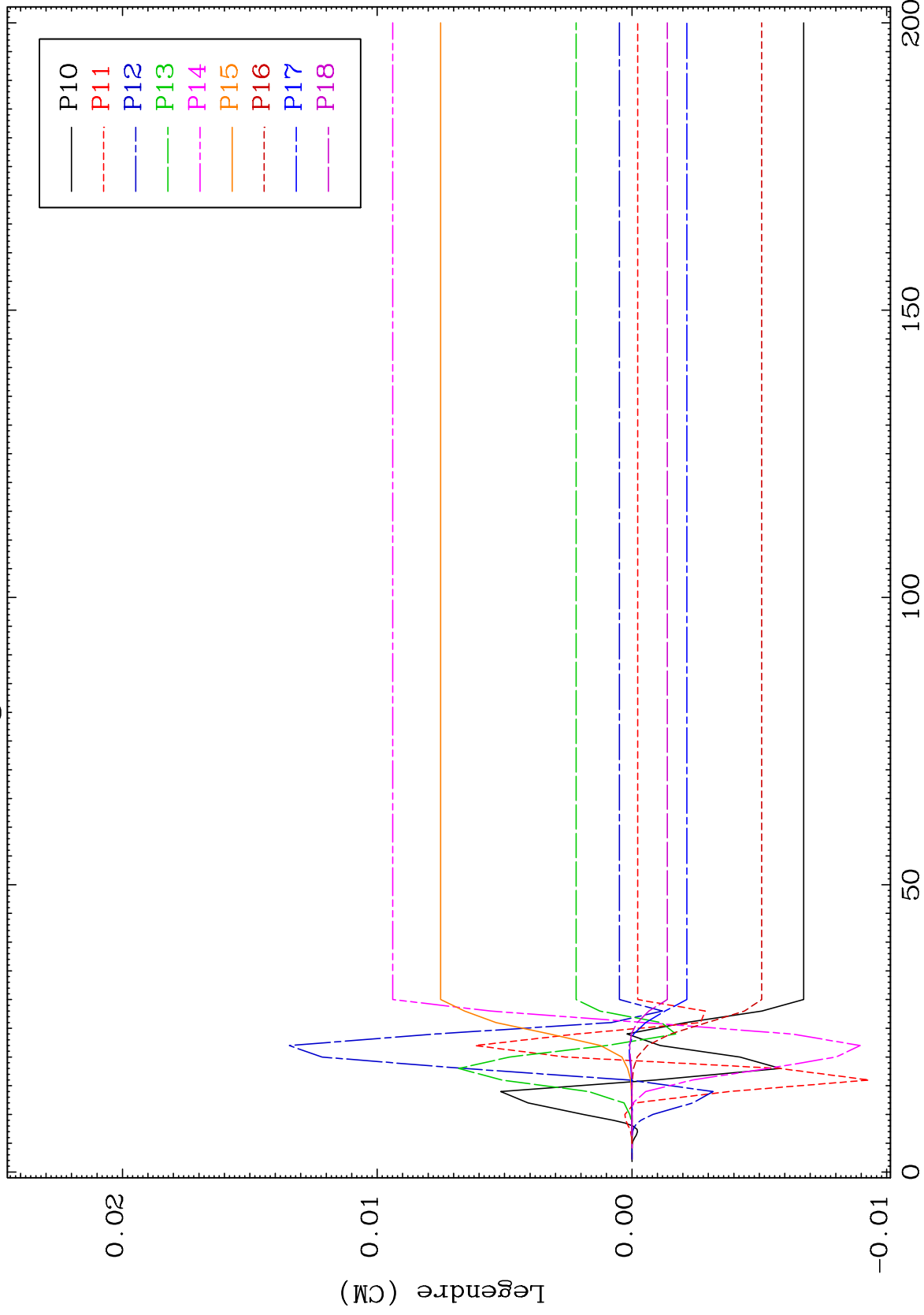
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



33

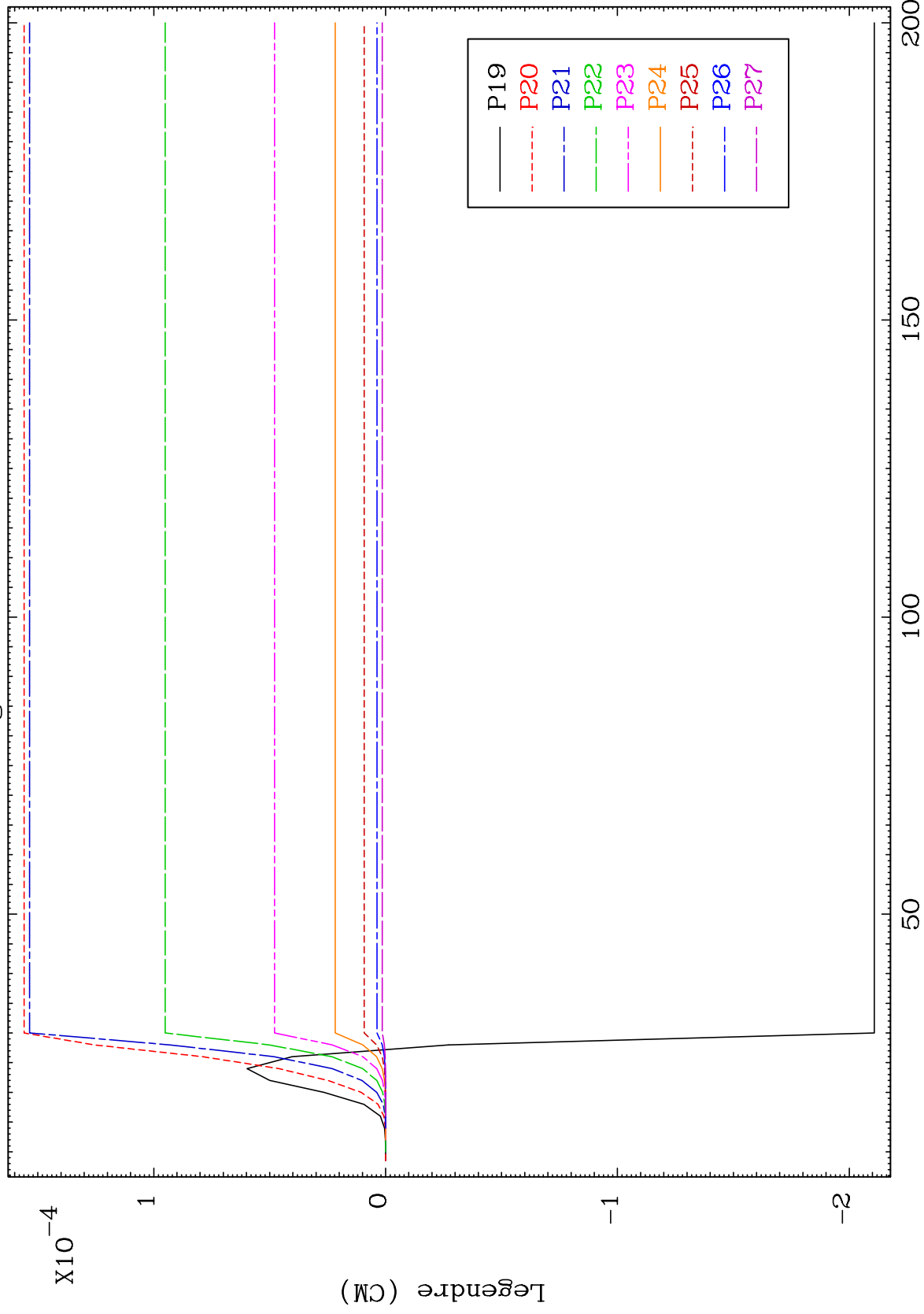
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



34

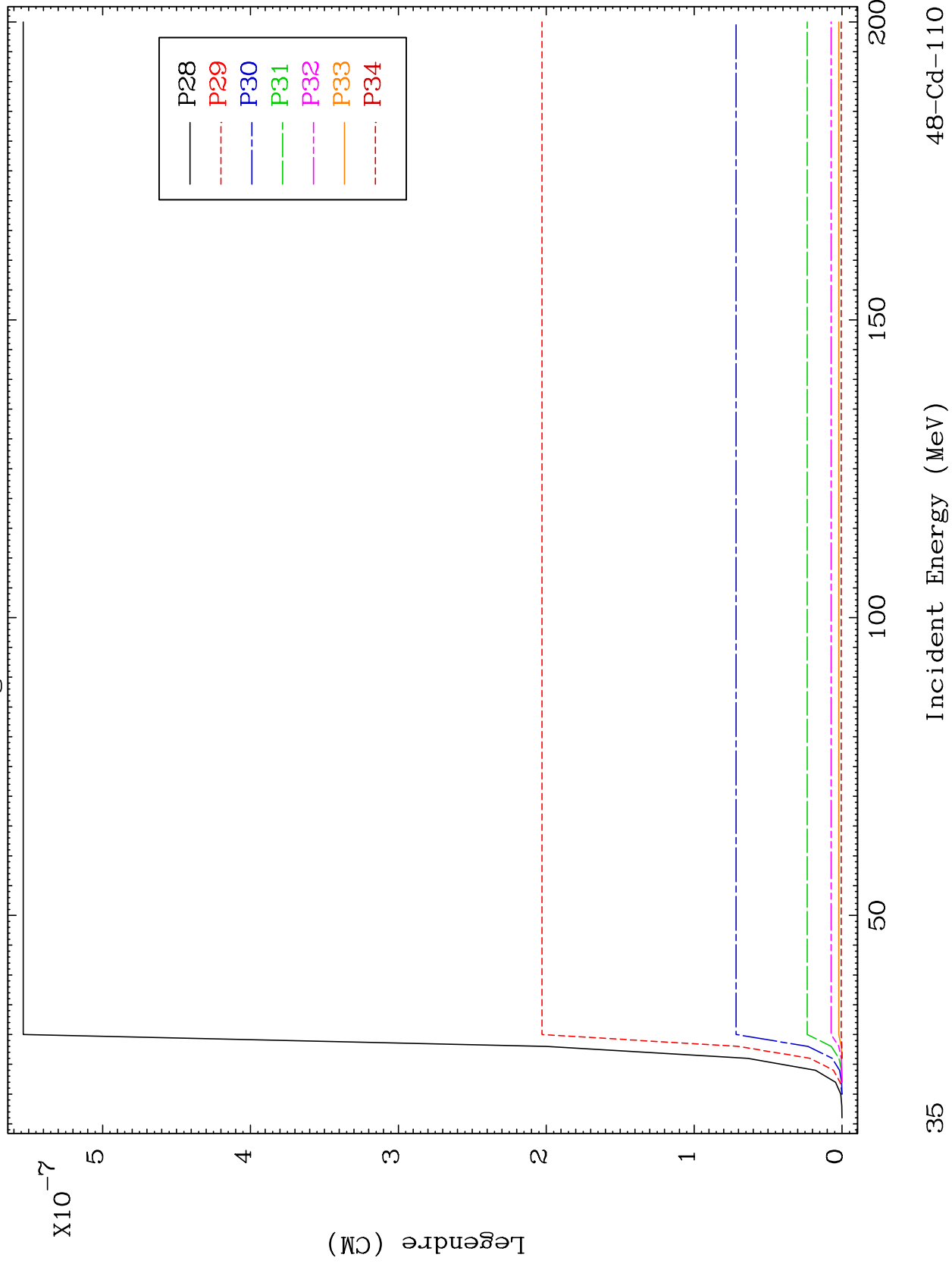
Incident Energy (MeV)

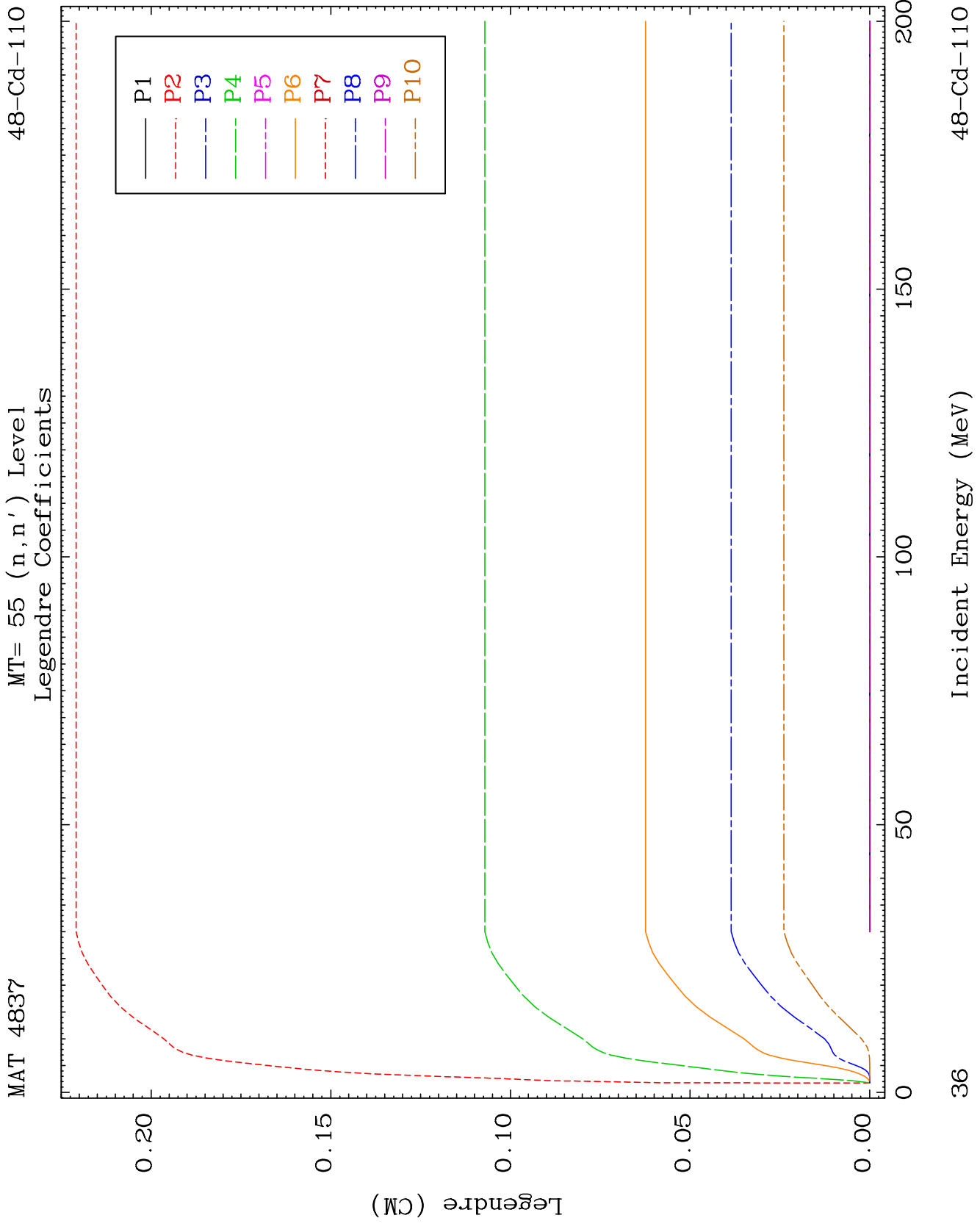
48-Cd-110

MAT 4837

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

48-Cd-110





48-Cd-110

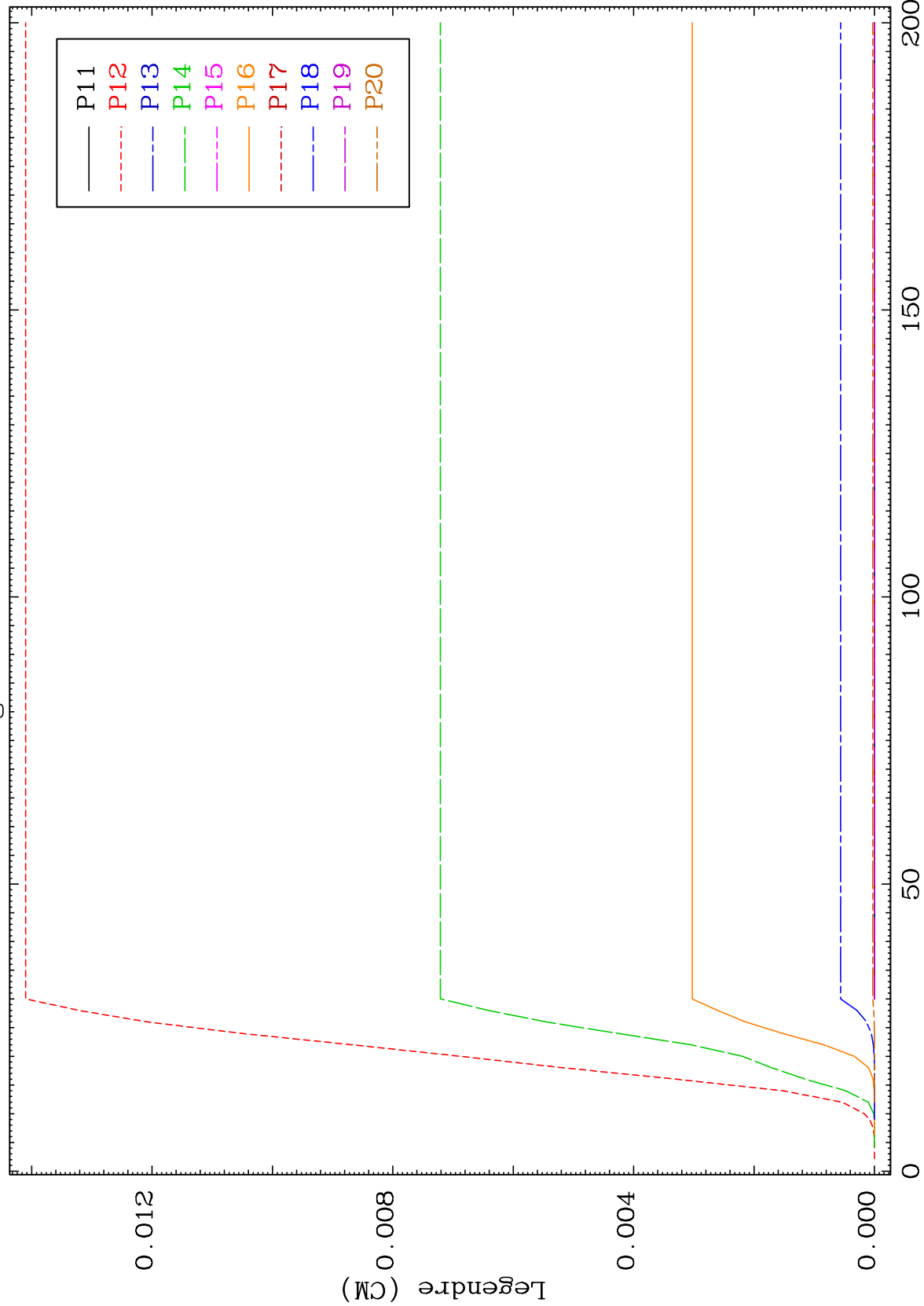
Incident Energy (MeV)

36

MAT 4837

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

48-Cd-110



37

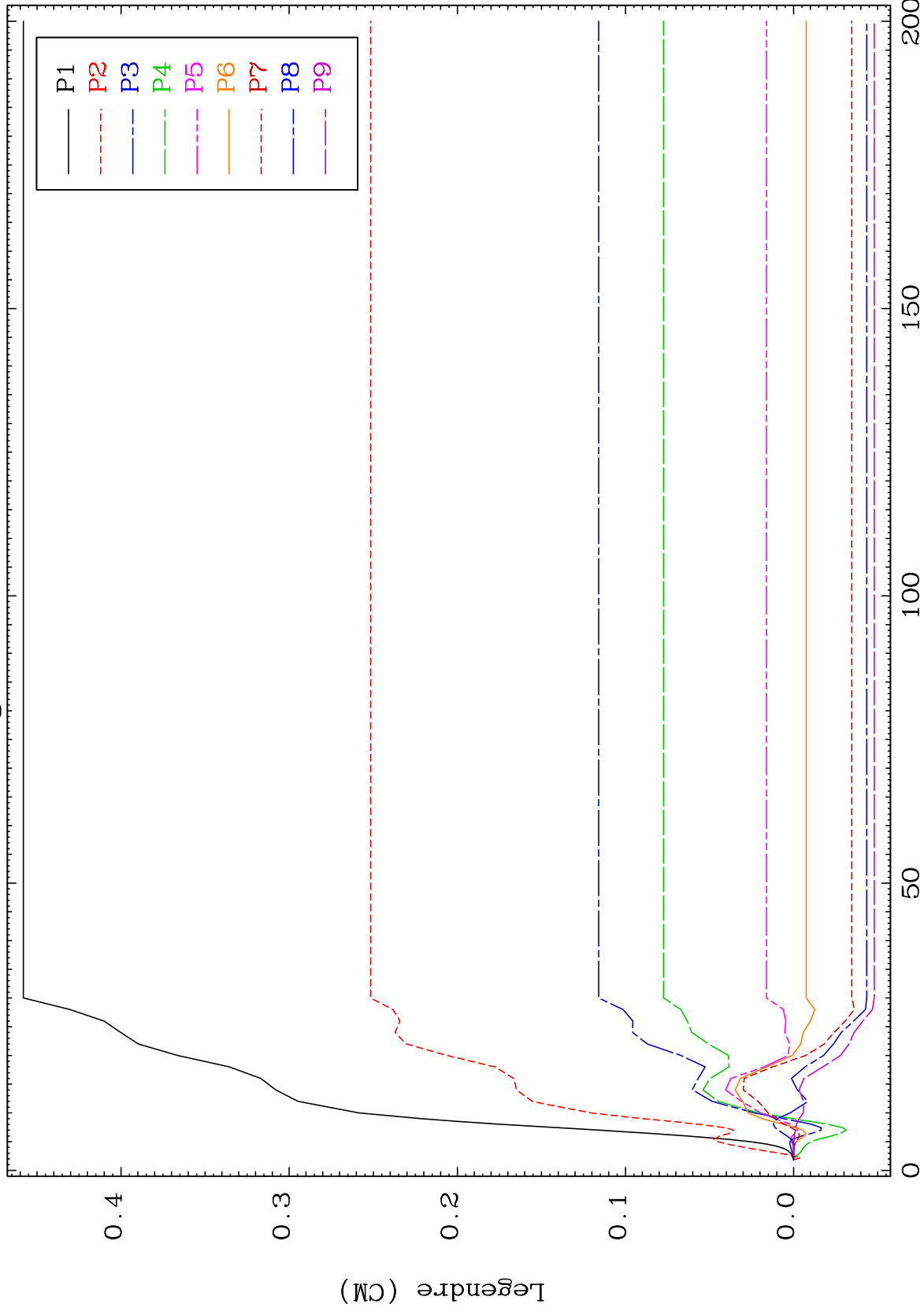
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



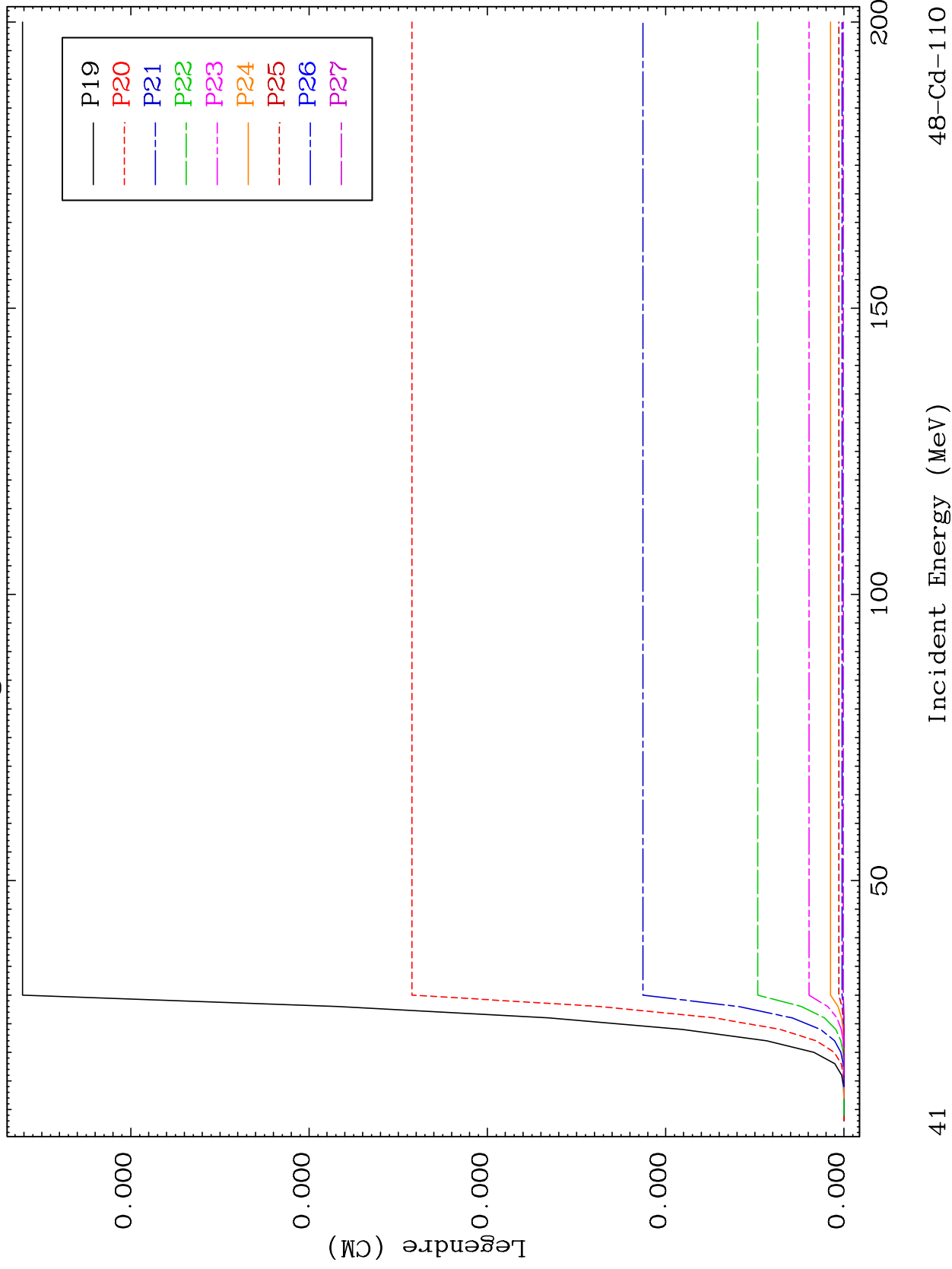
39

48-Cd-110

MAT 4837

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

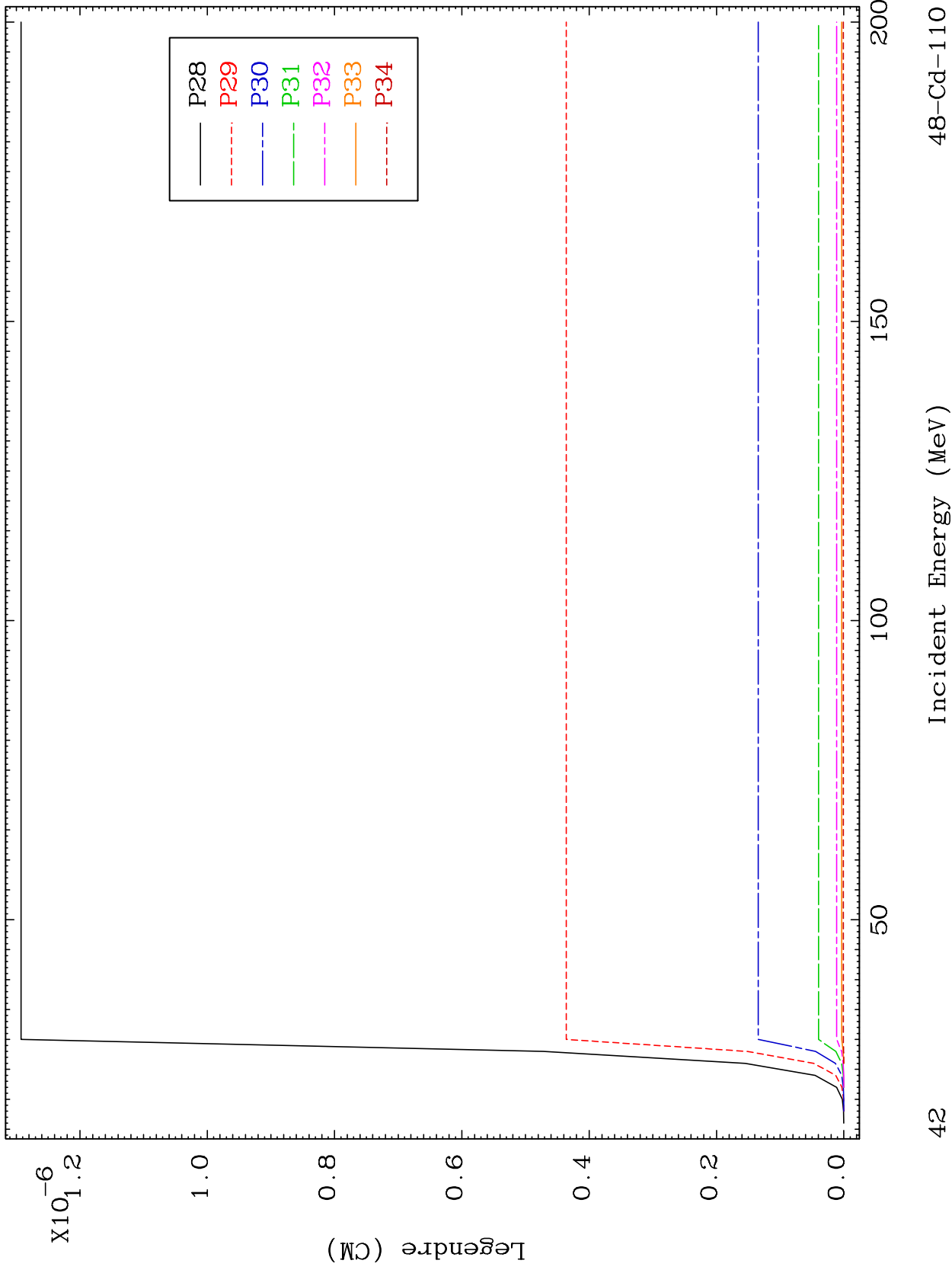
48-Cd-110



MAT 4837

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

48-Cd-110



42

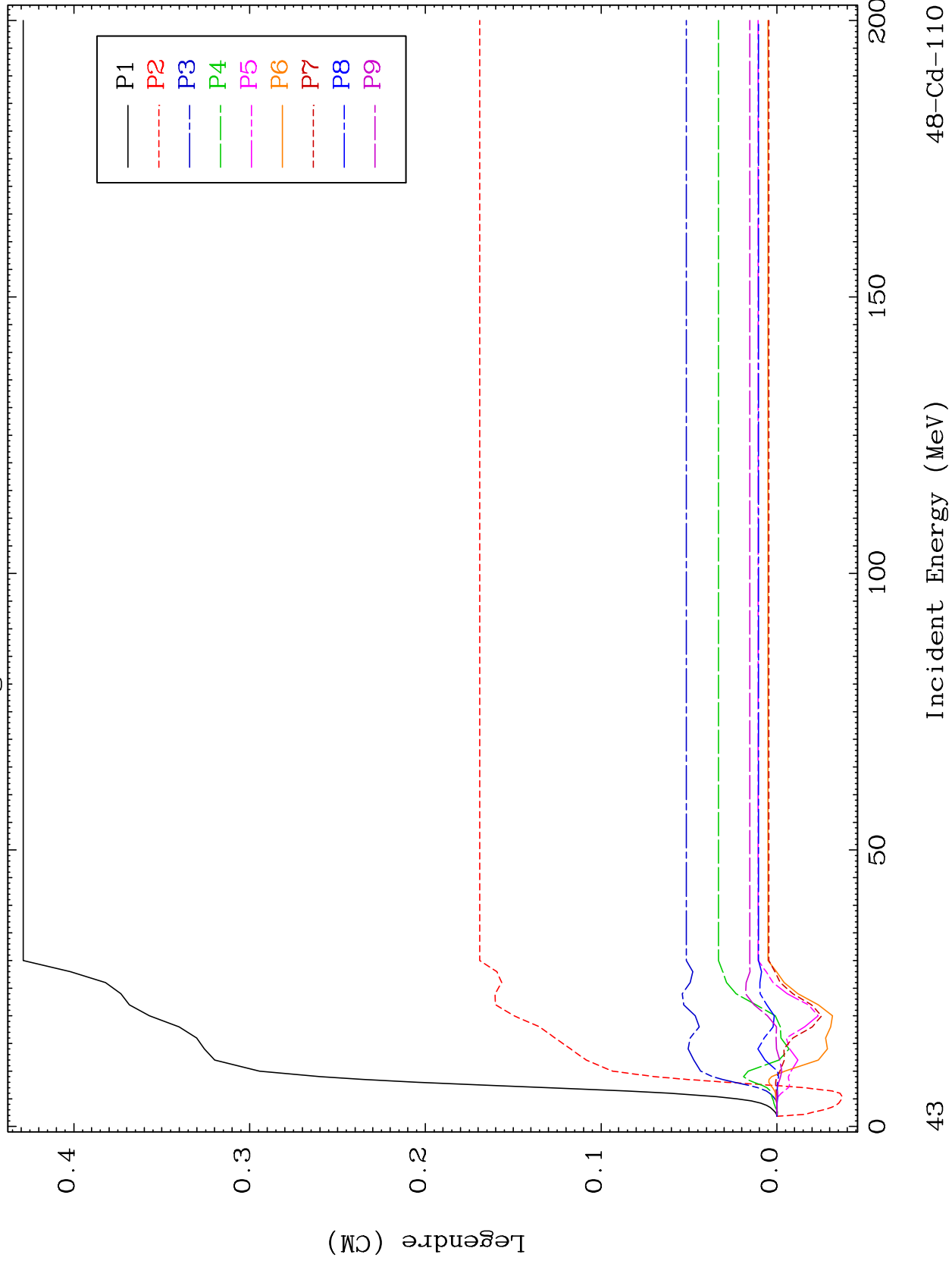
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

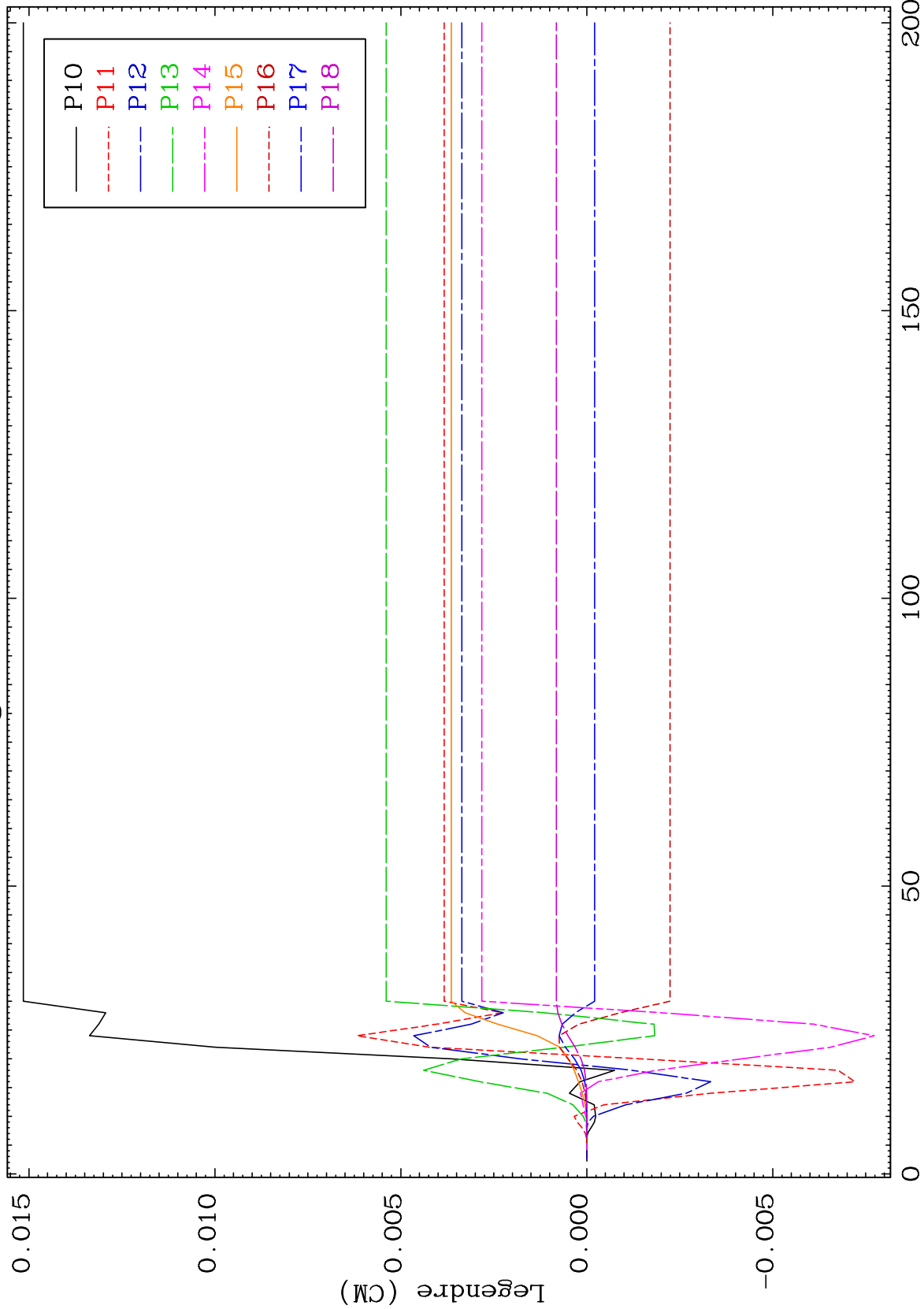
48-Cd-110



MAT 4837

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

48-Cd-110



44

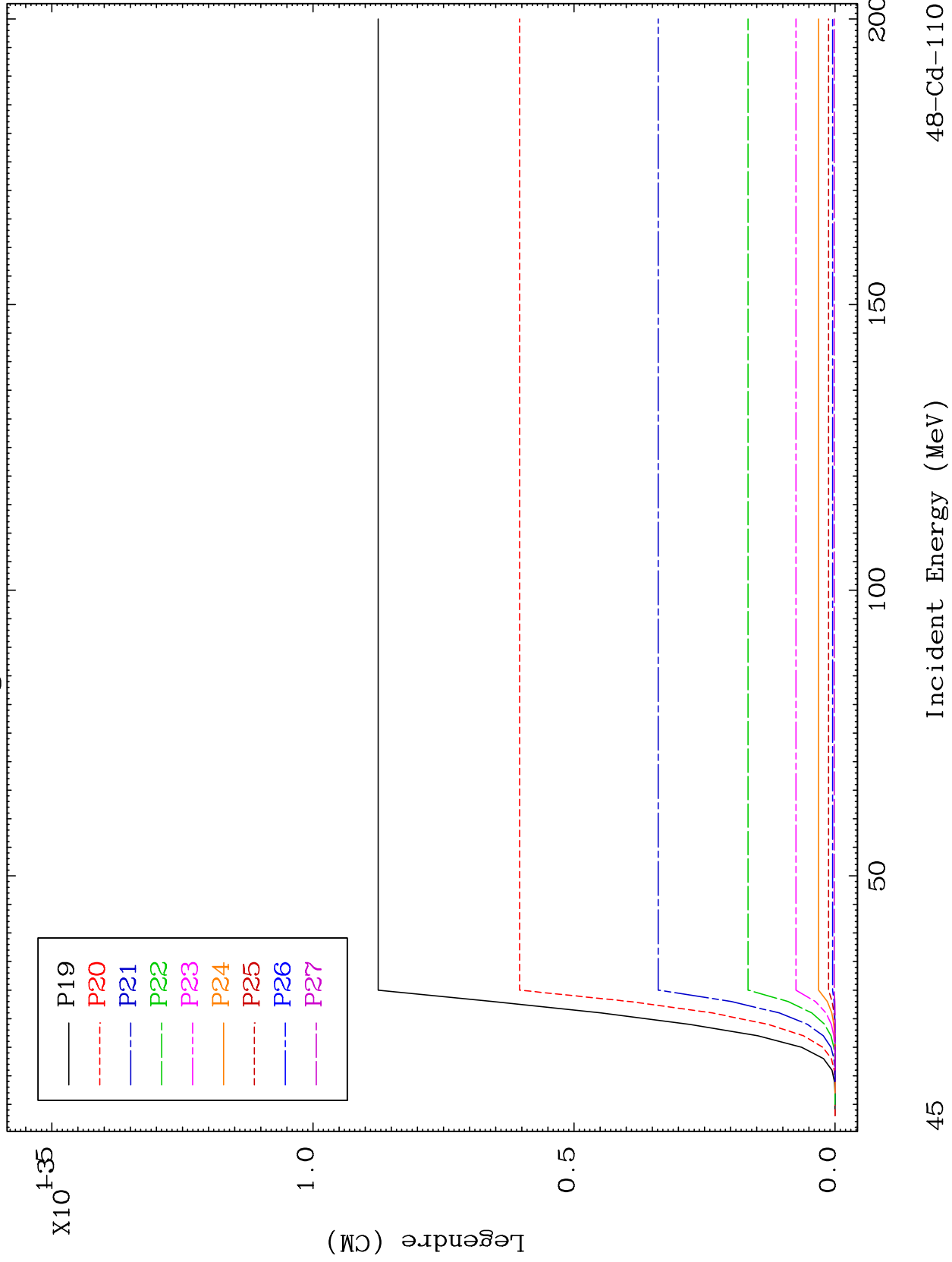
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



45

Incident Energy (MeV)

50

100

150

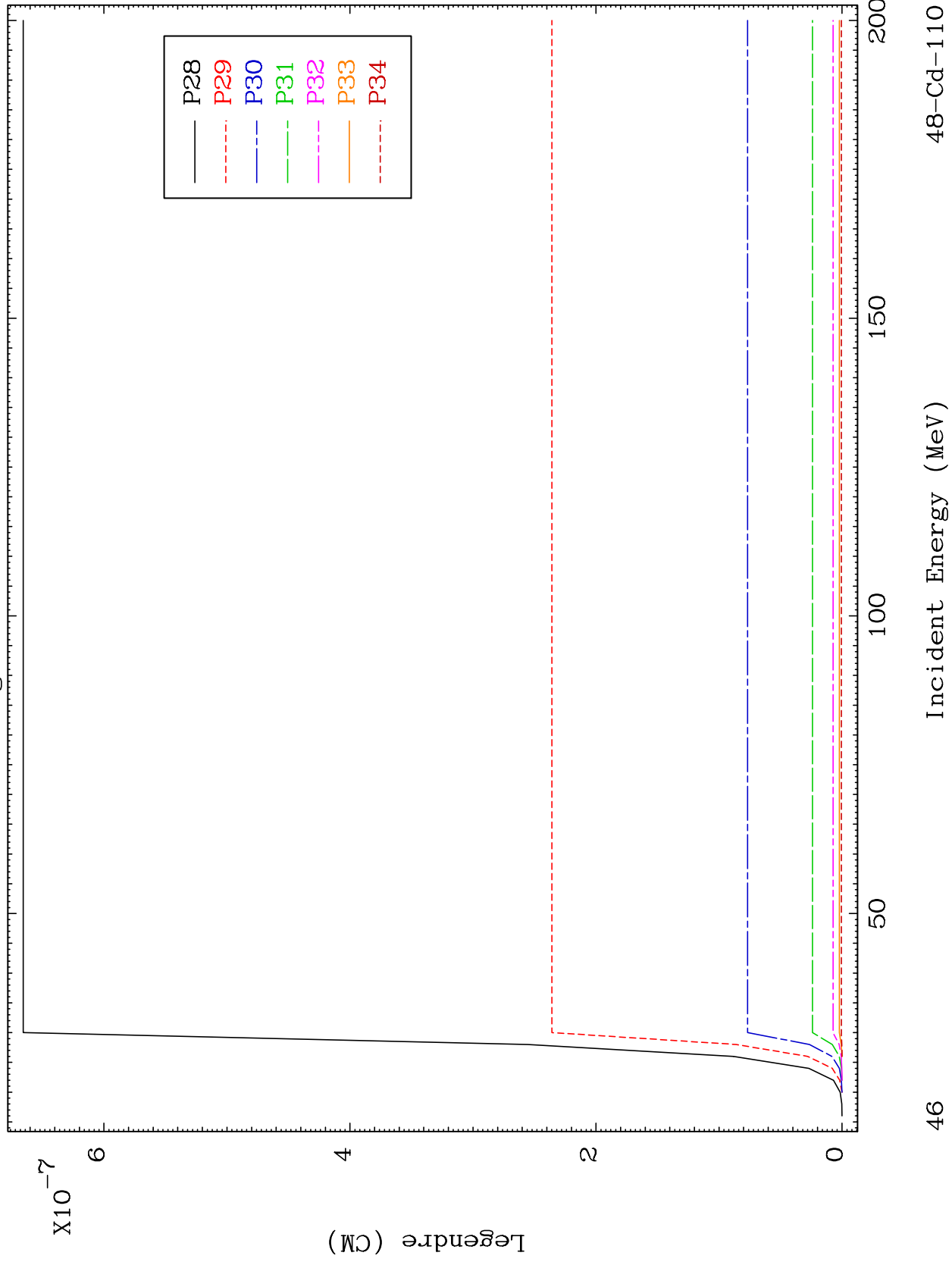
200

48-Cd-110

MAT 4837

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

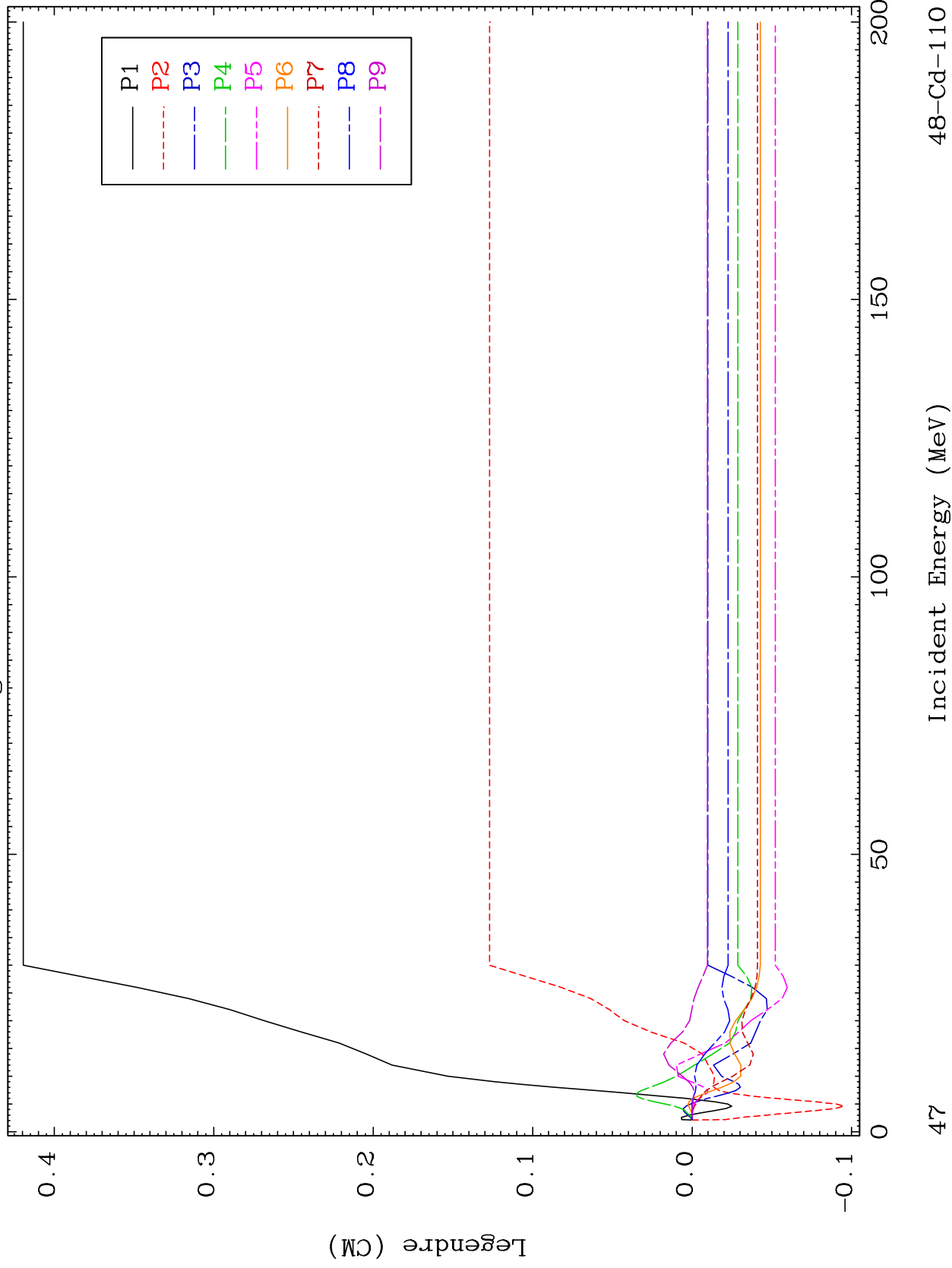
48-Cd-110



MAT 4837

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

48-Cd-110



48-Cd-110

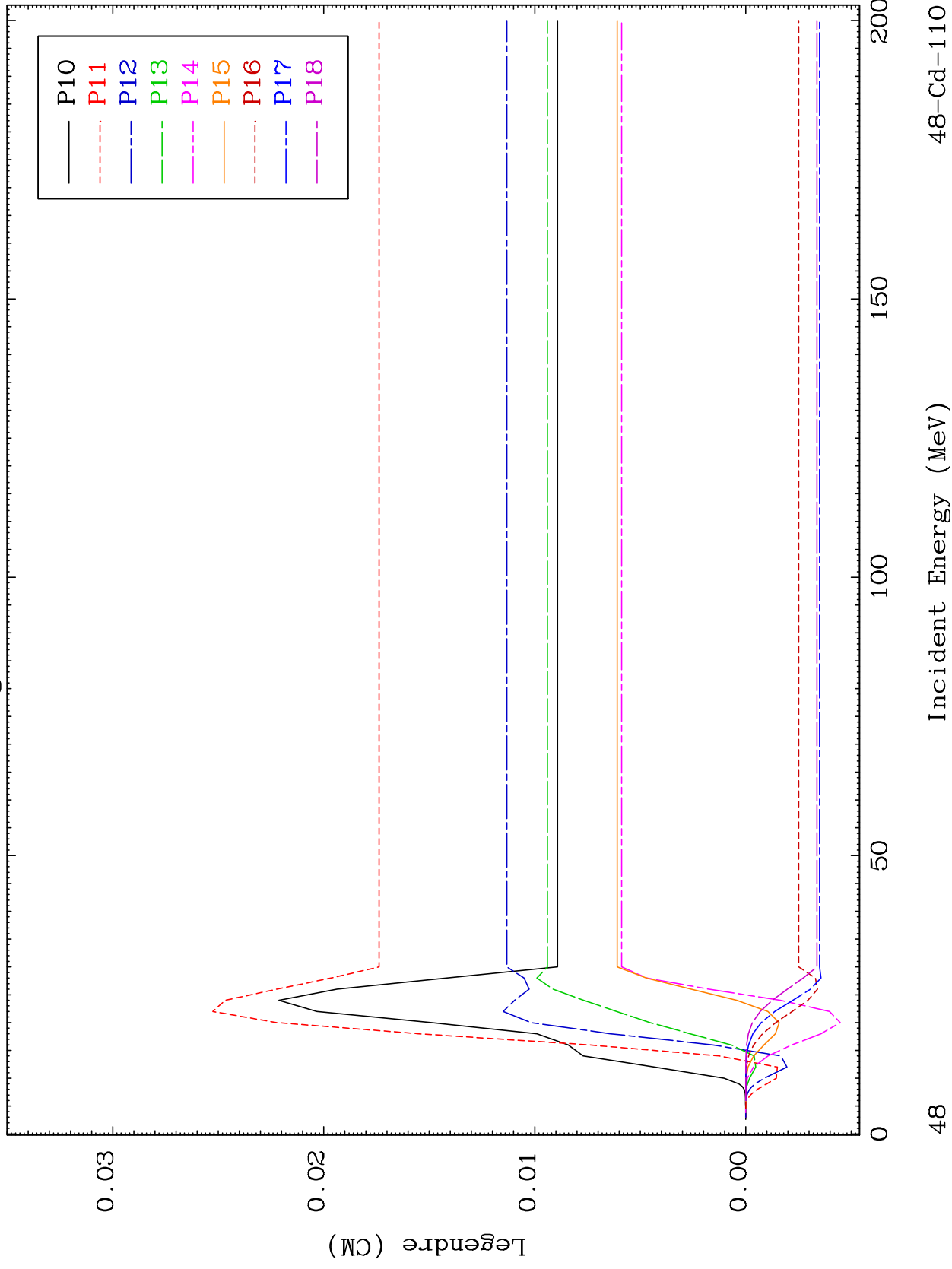
Incident Energy (MeV)

47

MAT 4837

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

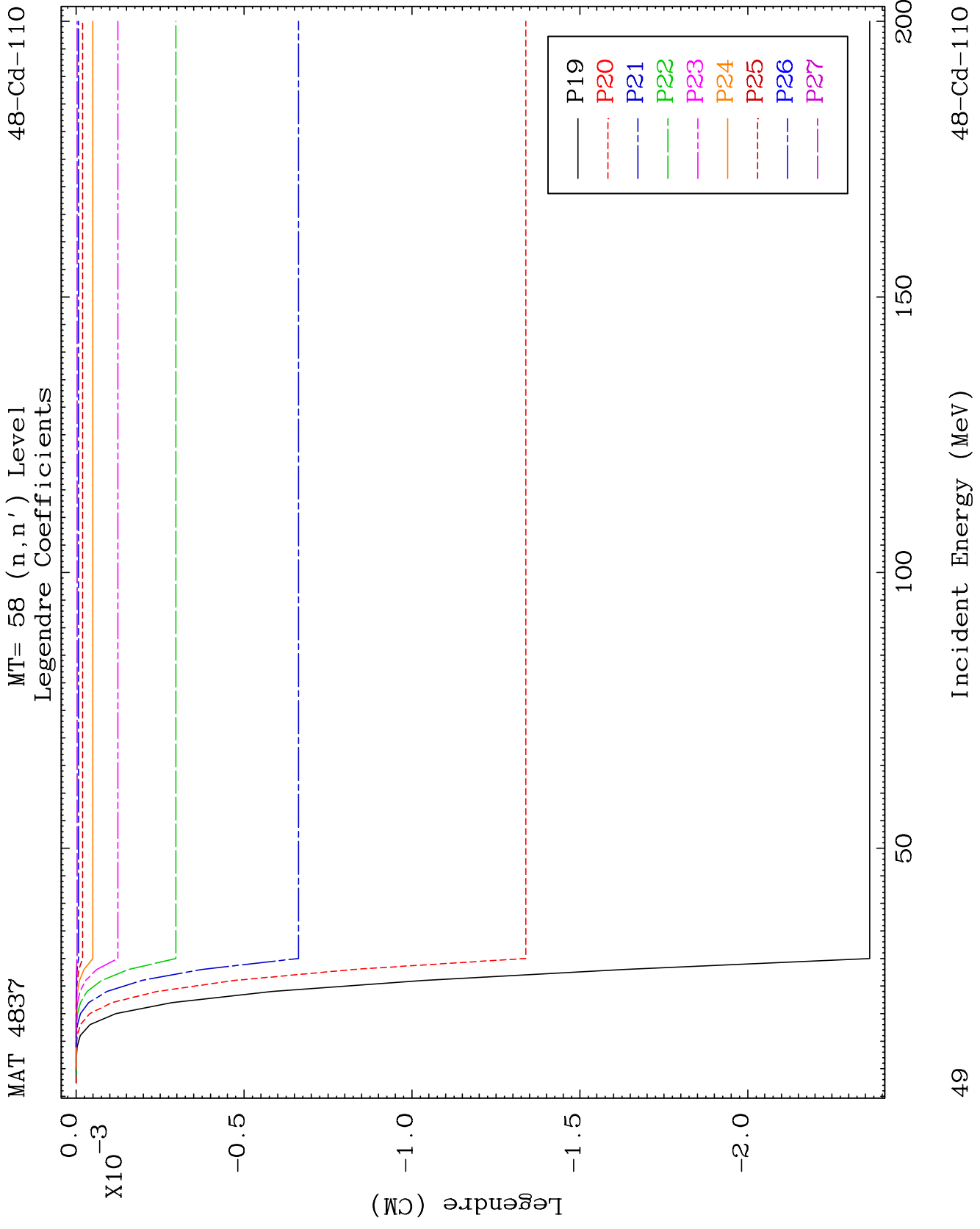
48-Cd-110

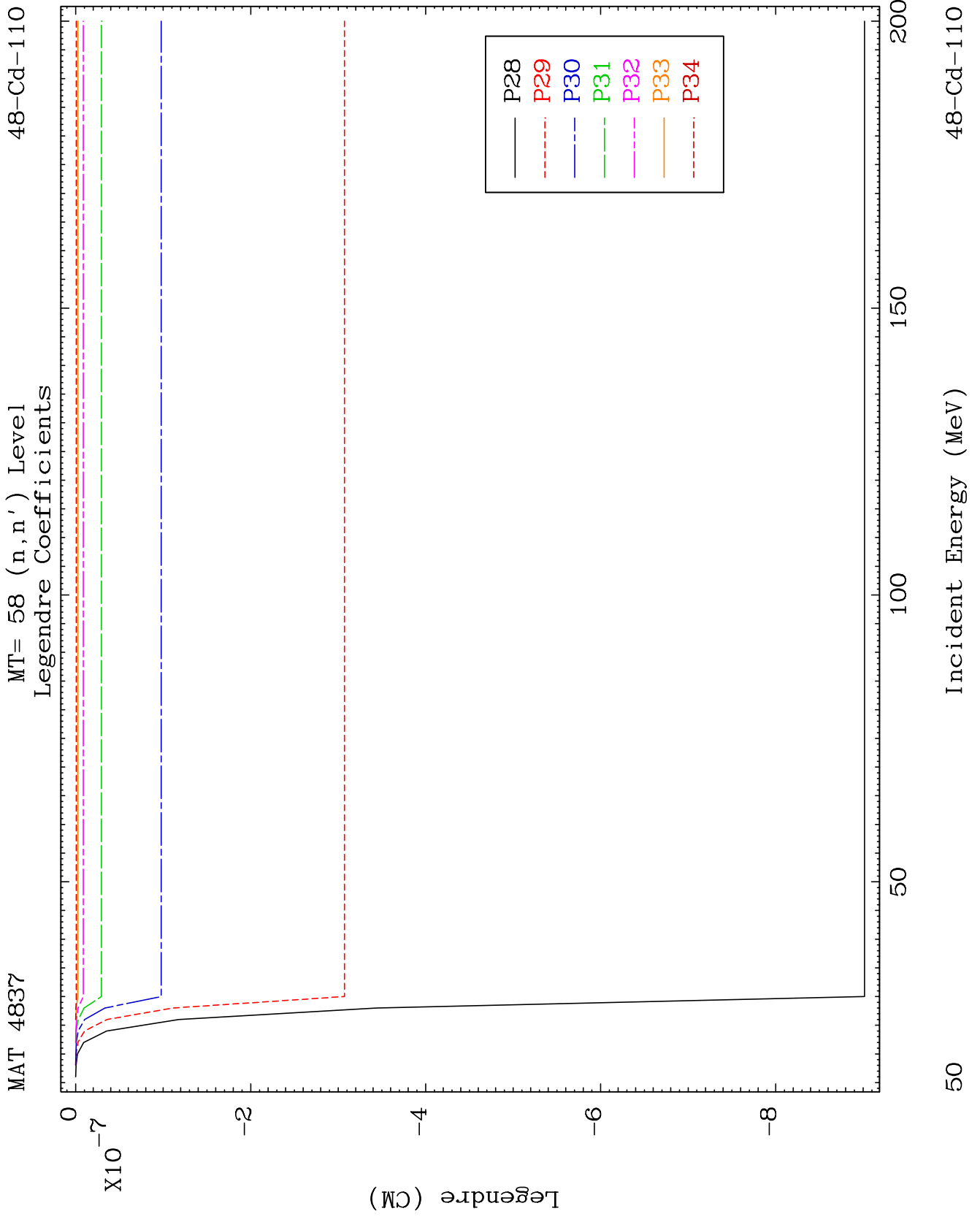


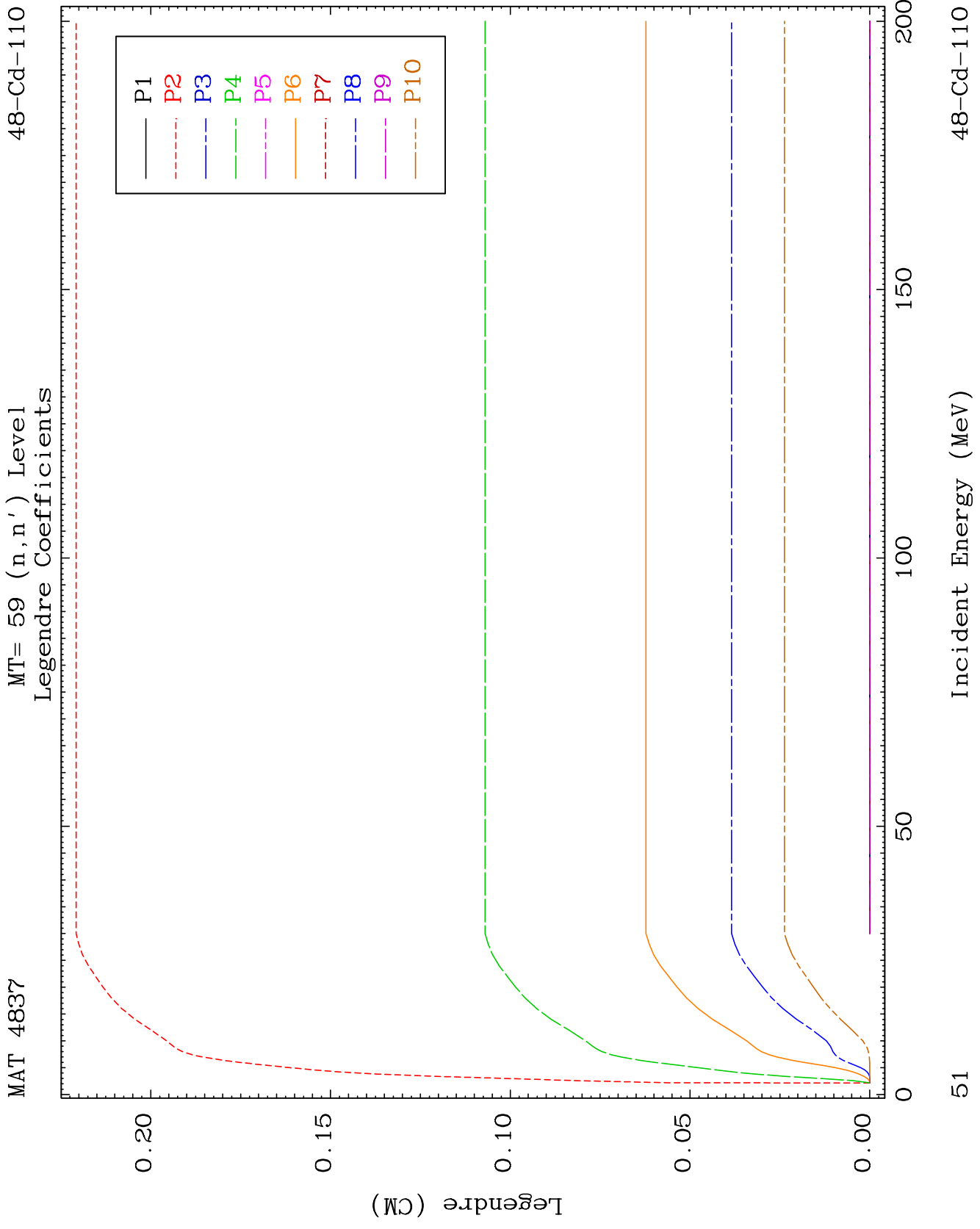
48-Cd-110

Incident Energy (MeV)

48



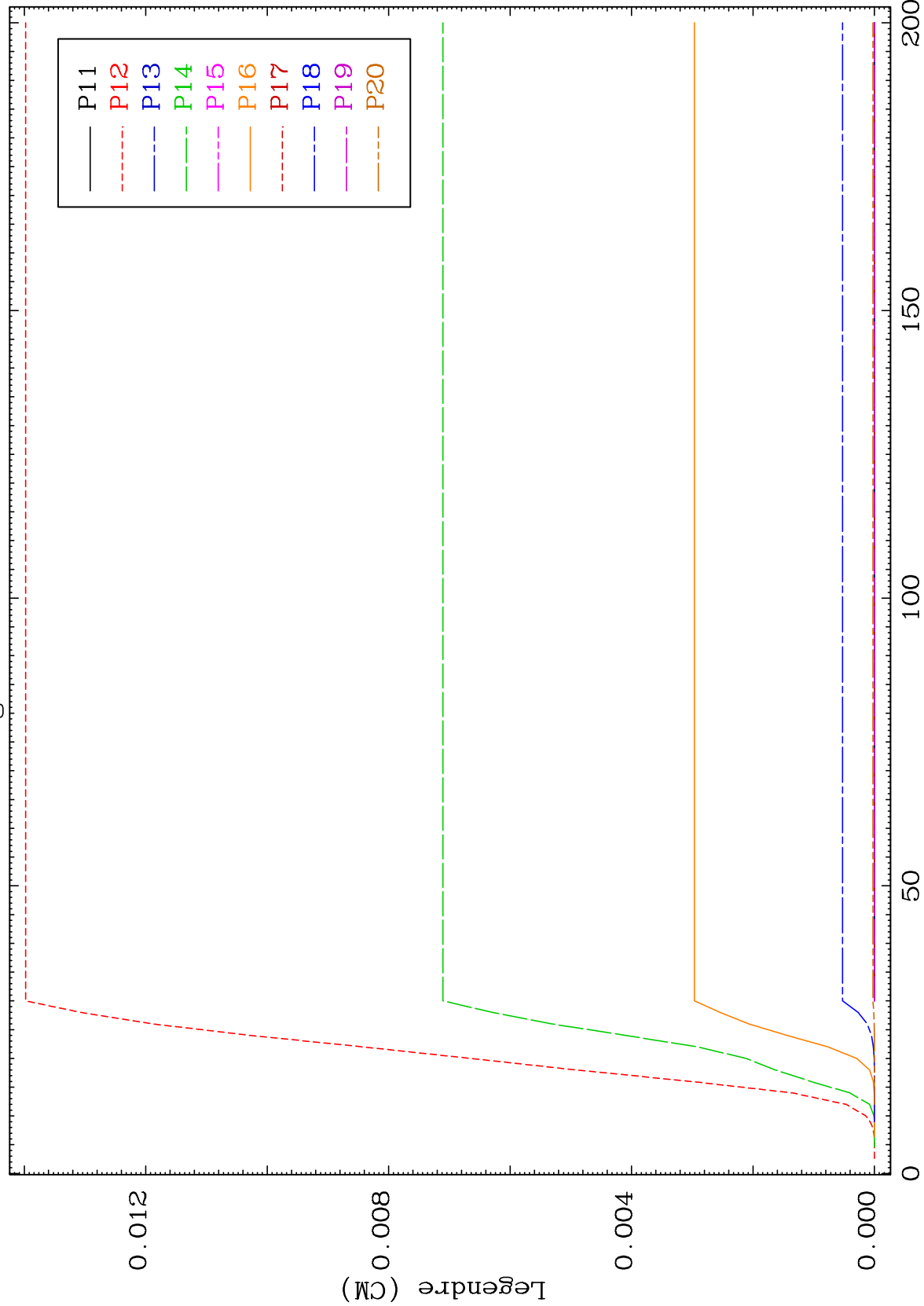




MAT 4837

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

48-Cd-110



52

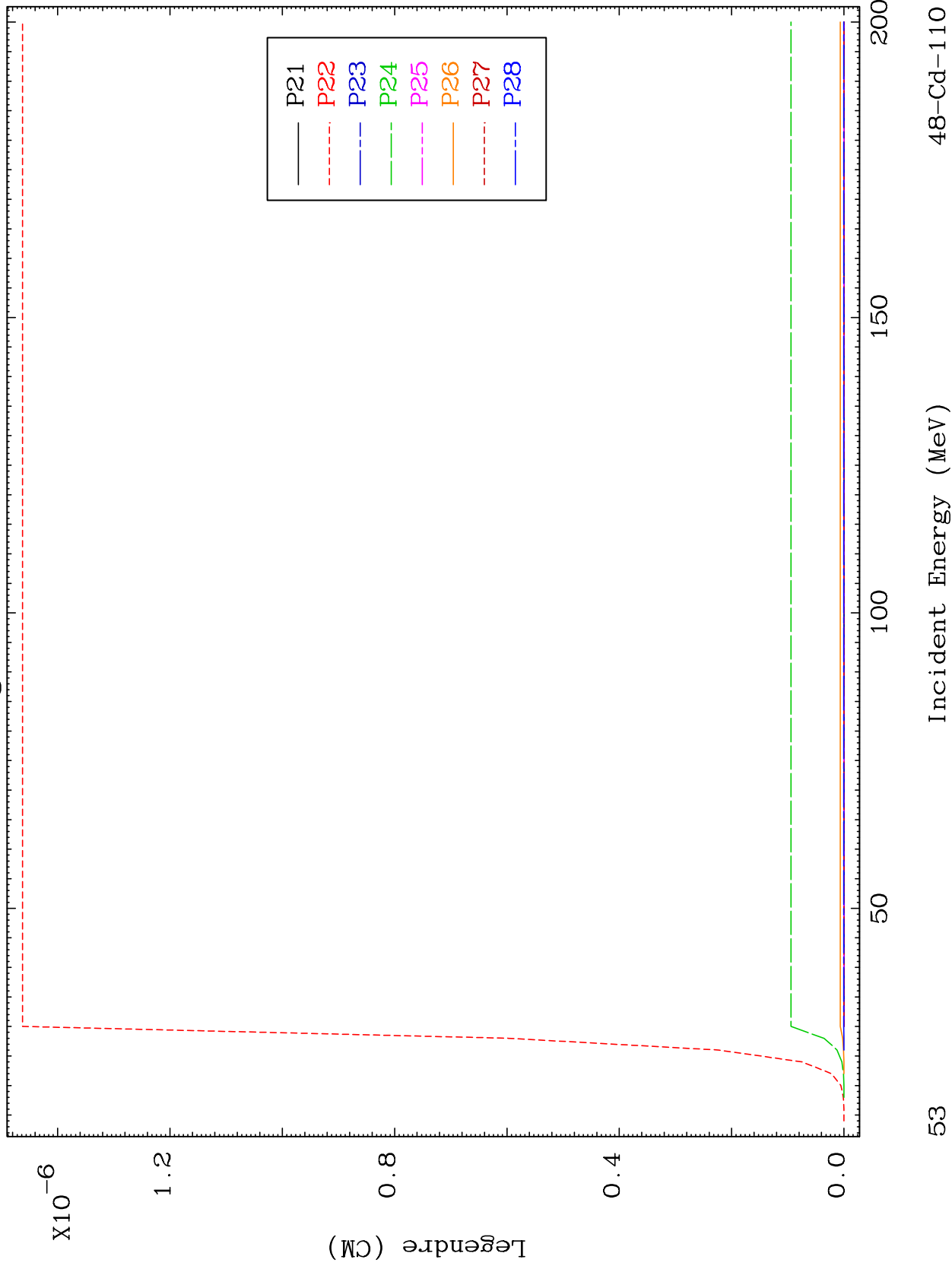
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



53

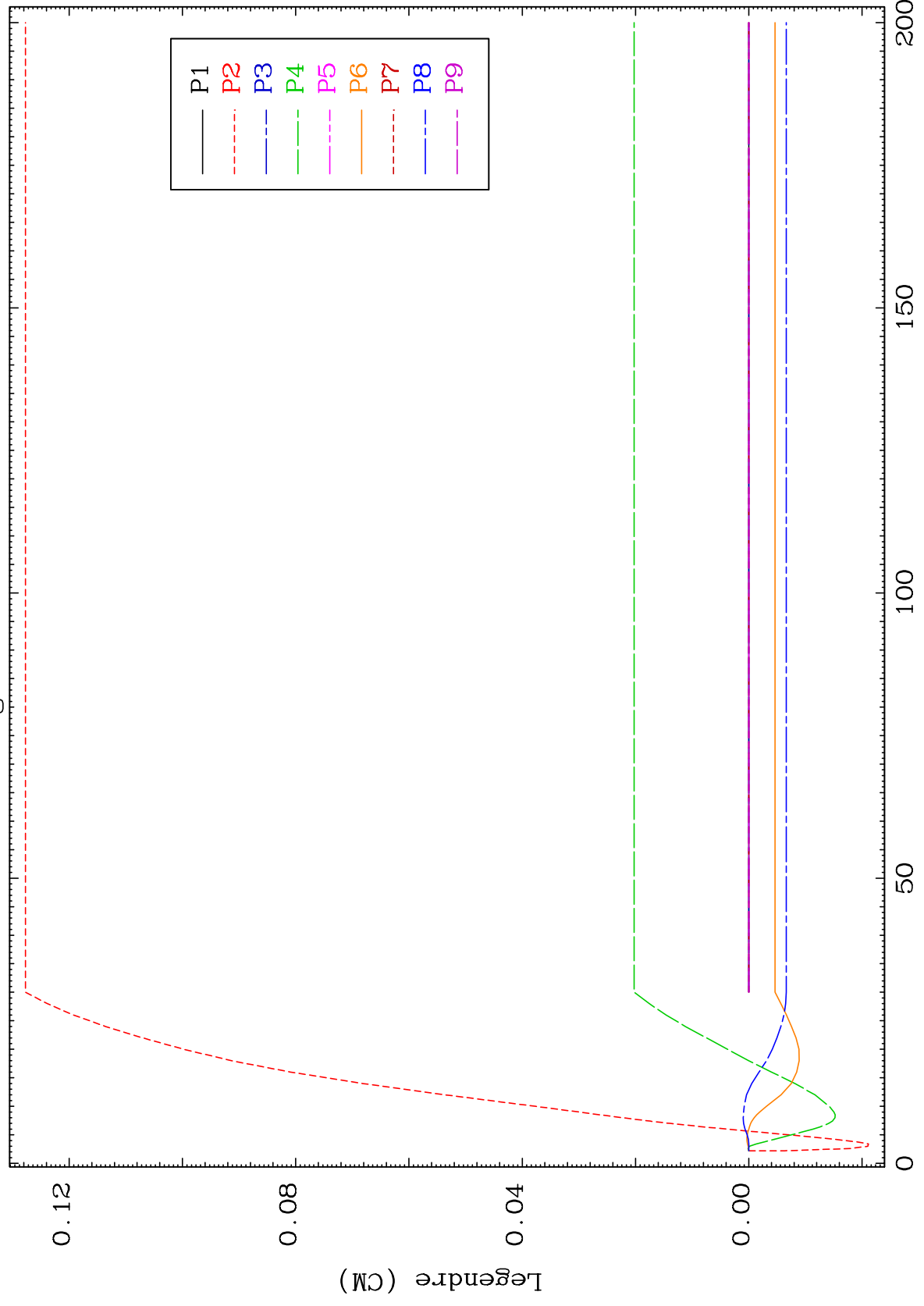
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



48-Cd-110

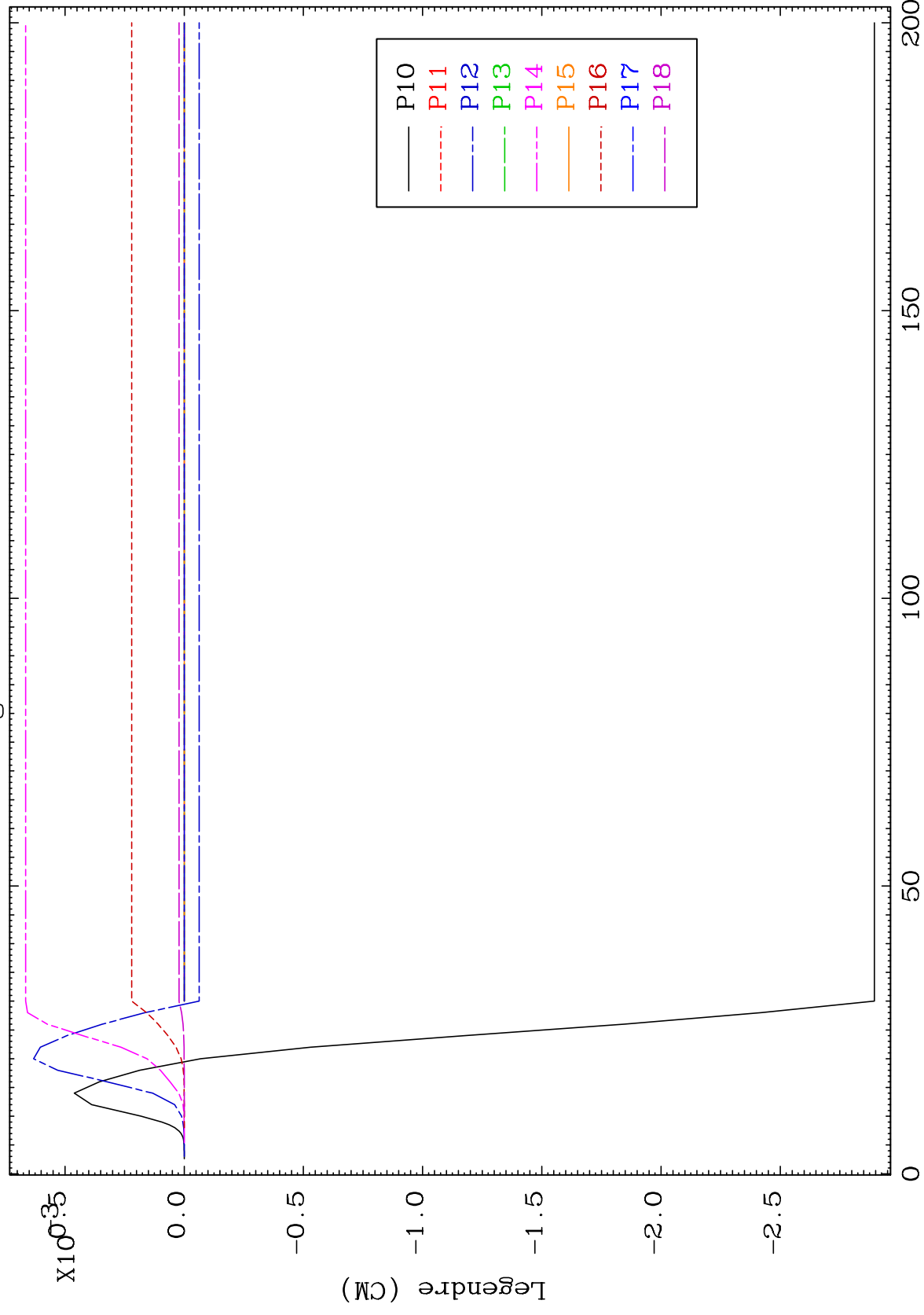
Incident Energy (MeV)

54

MAT 4837

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

48-Cd-110



55

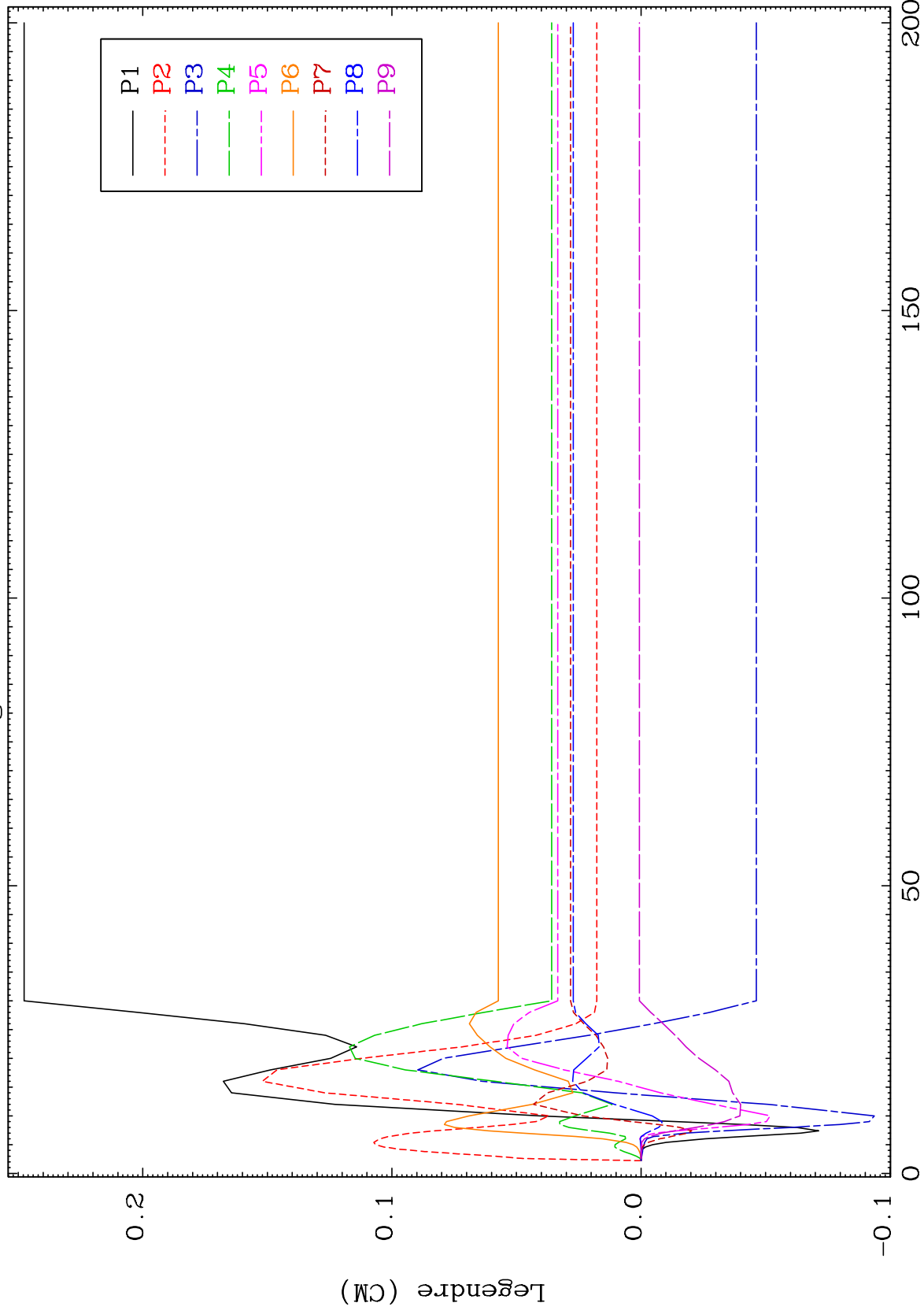
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



57

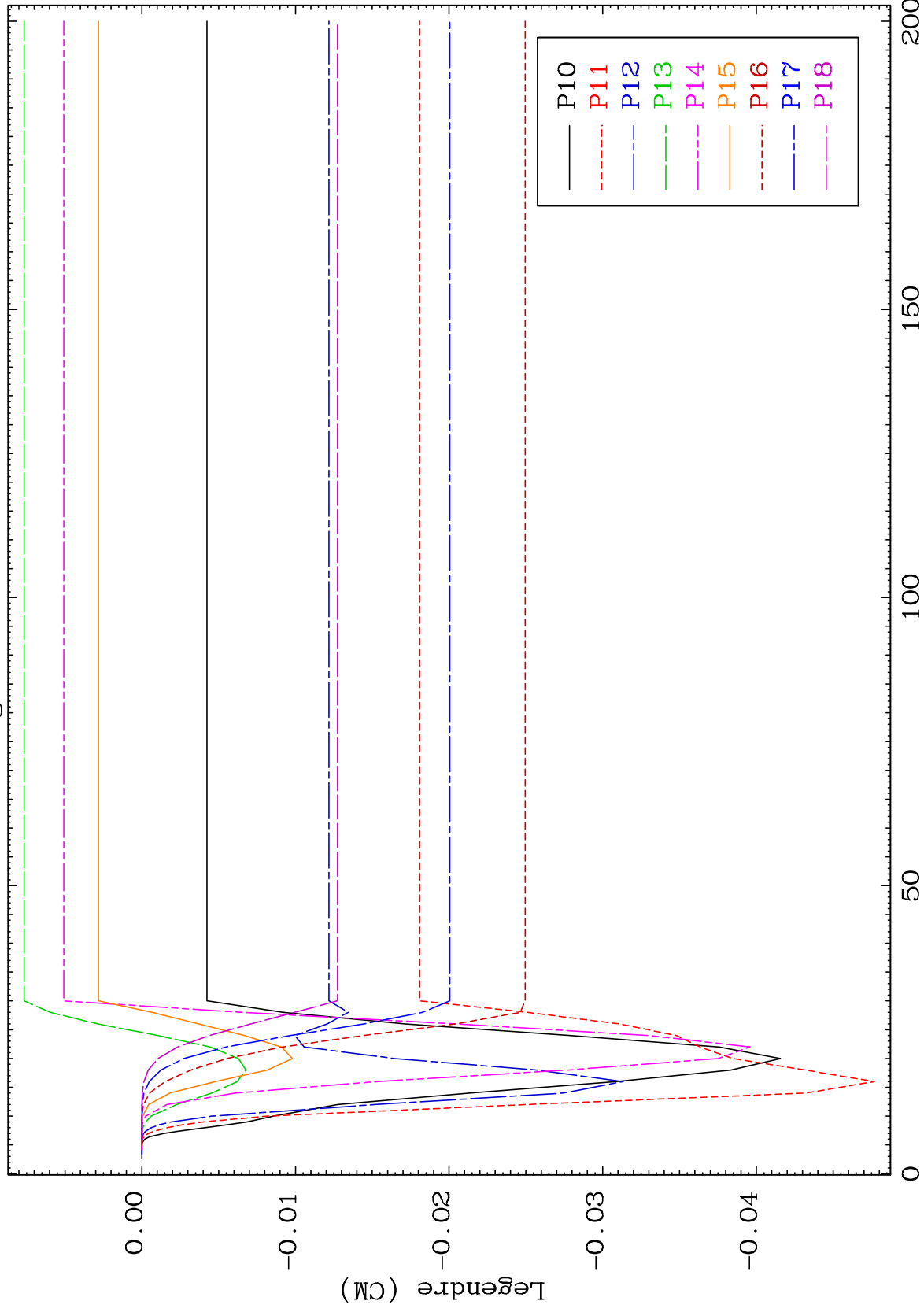
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

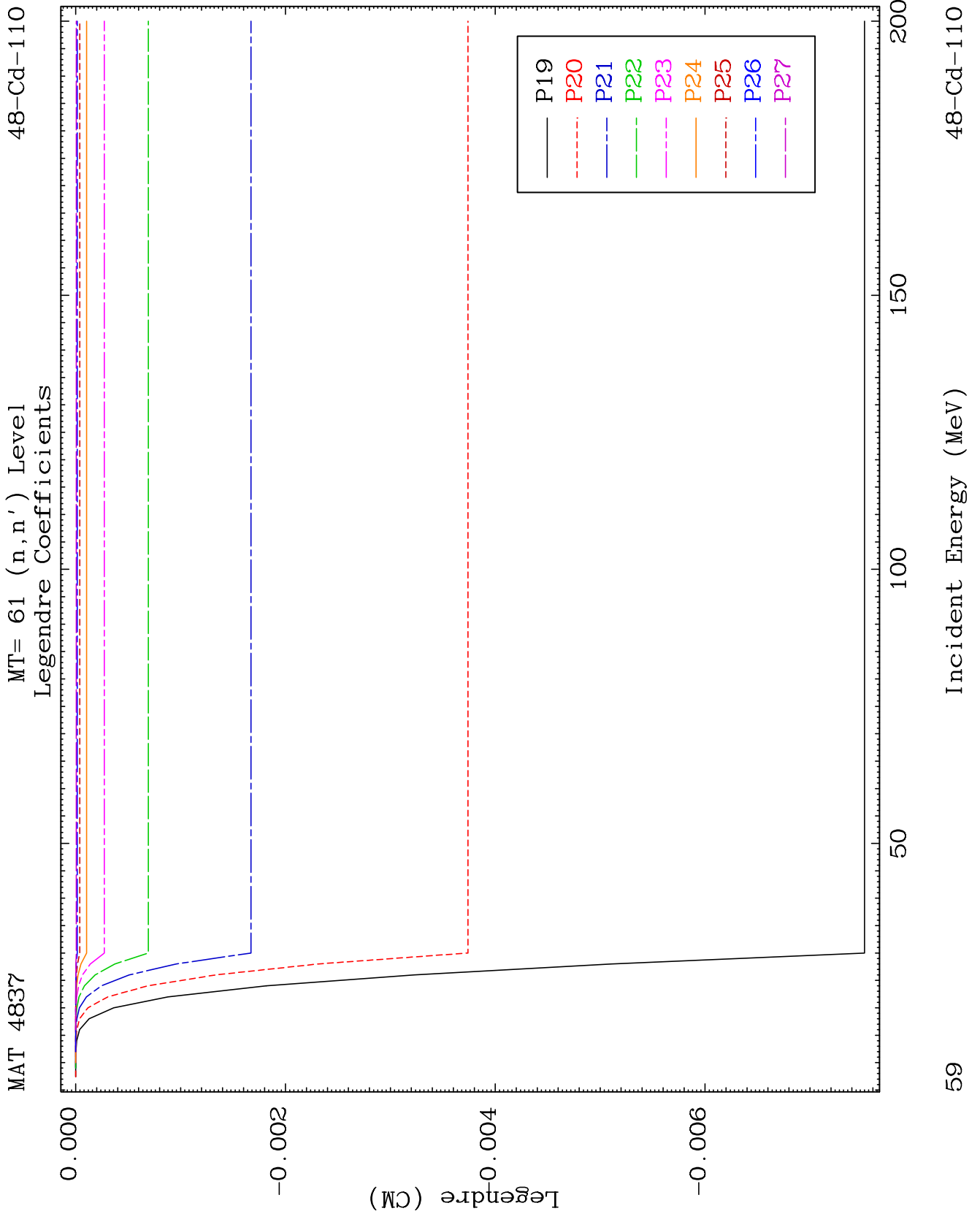
48-Cd-110

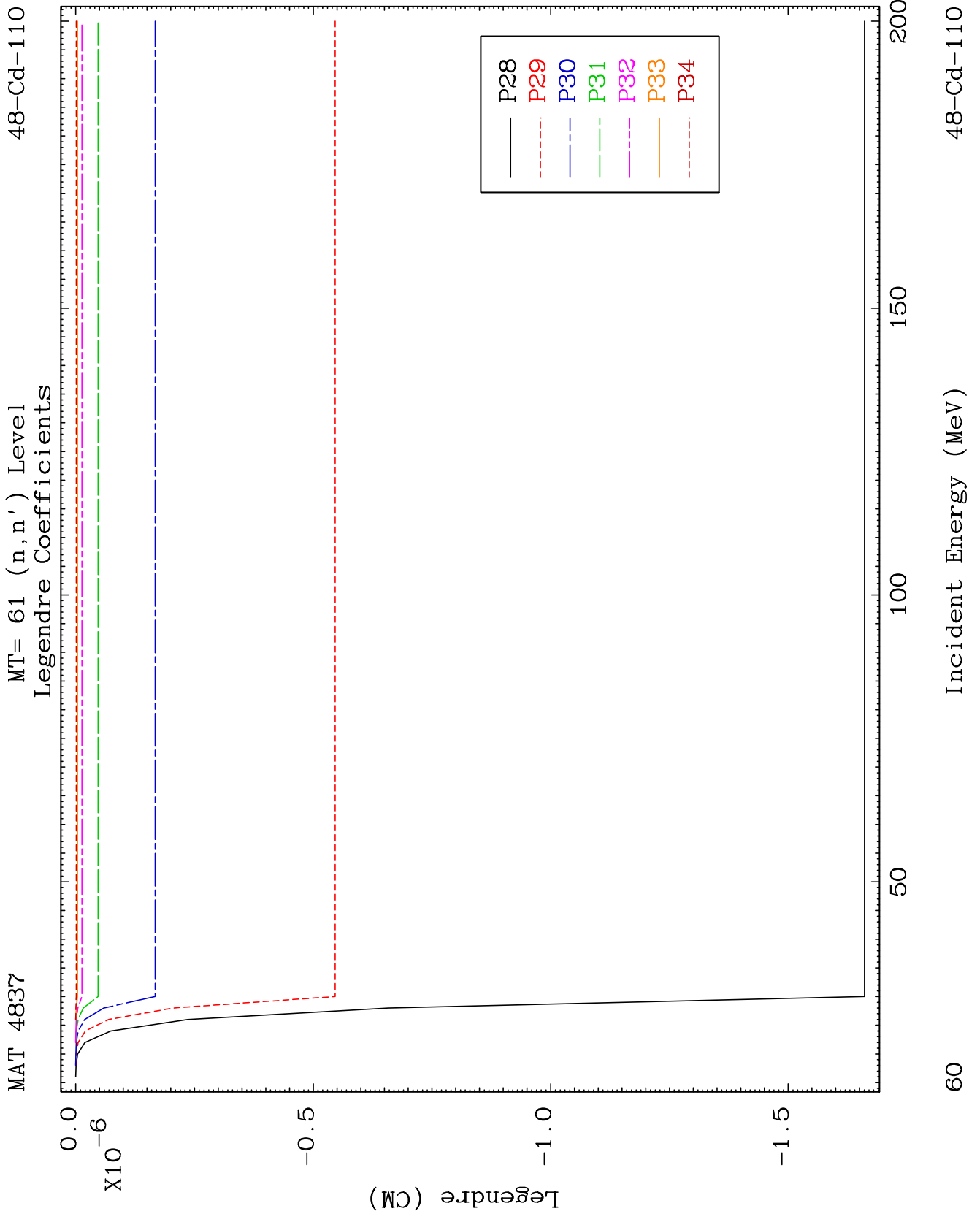


58

Incident Energy (MeV)

48-Cd-110

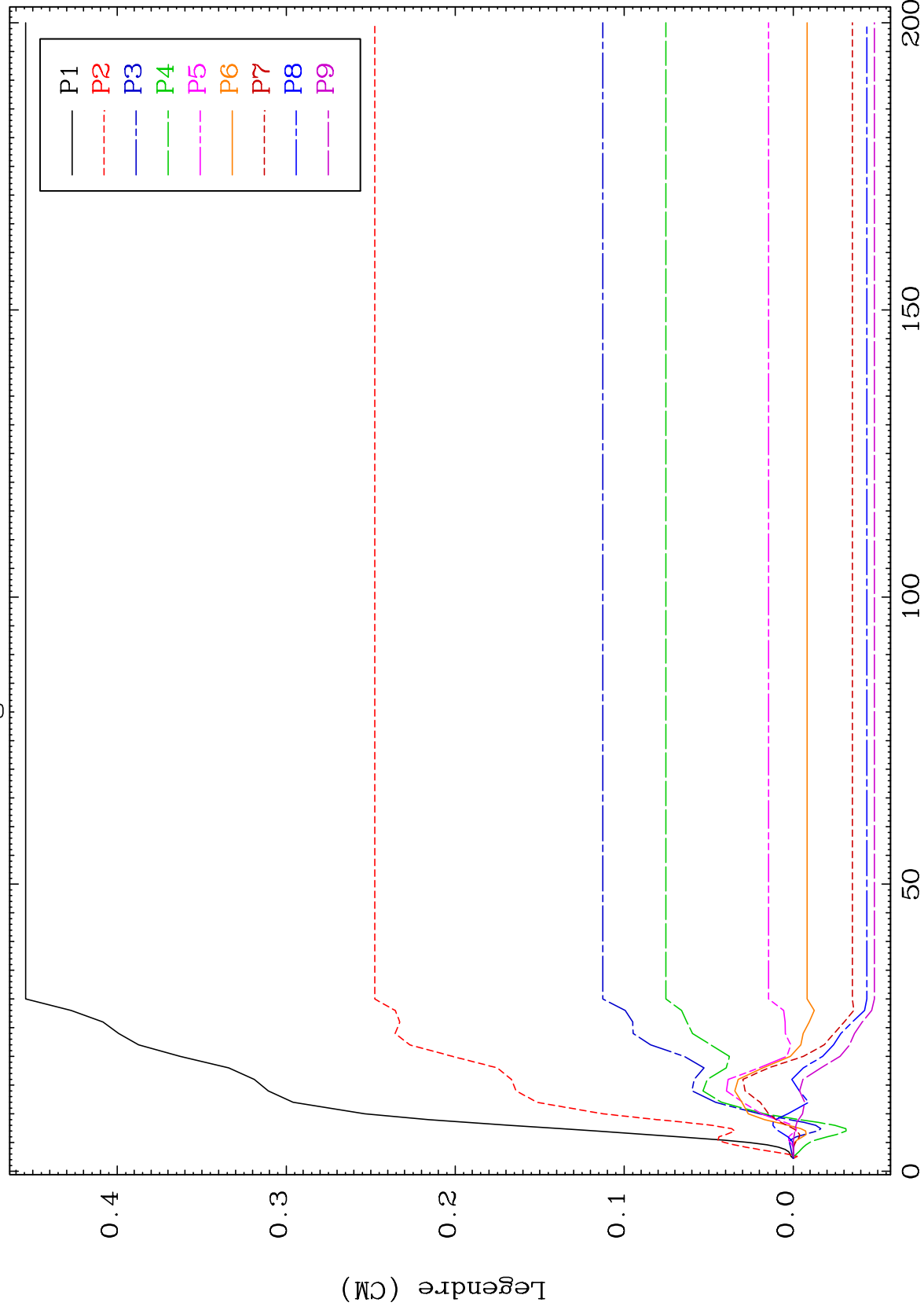




MAT 4837

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

48-Cd-110



61

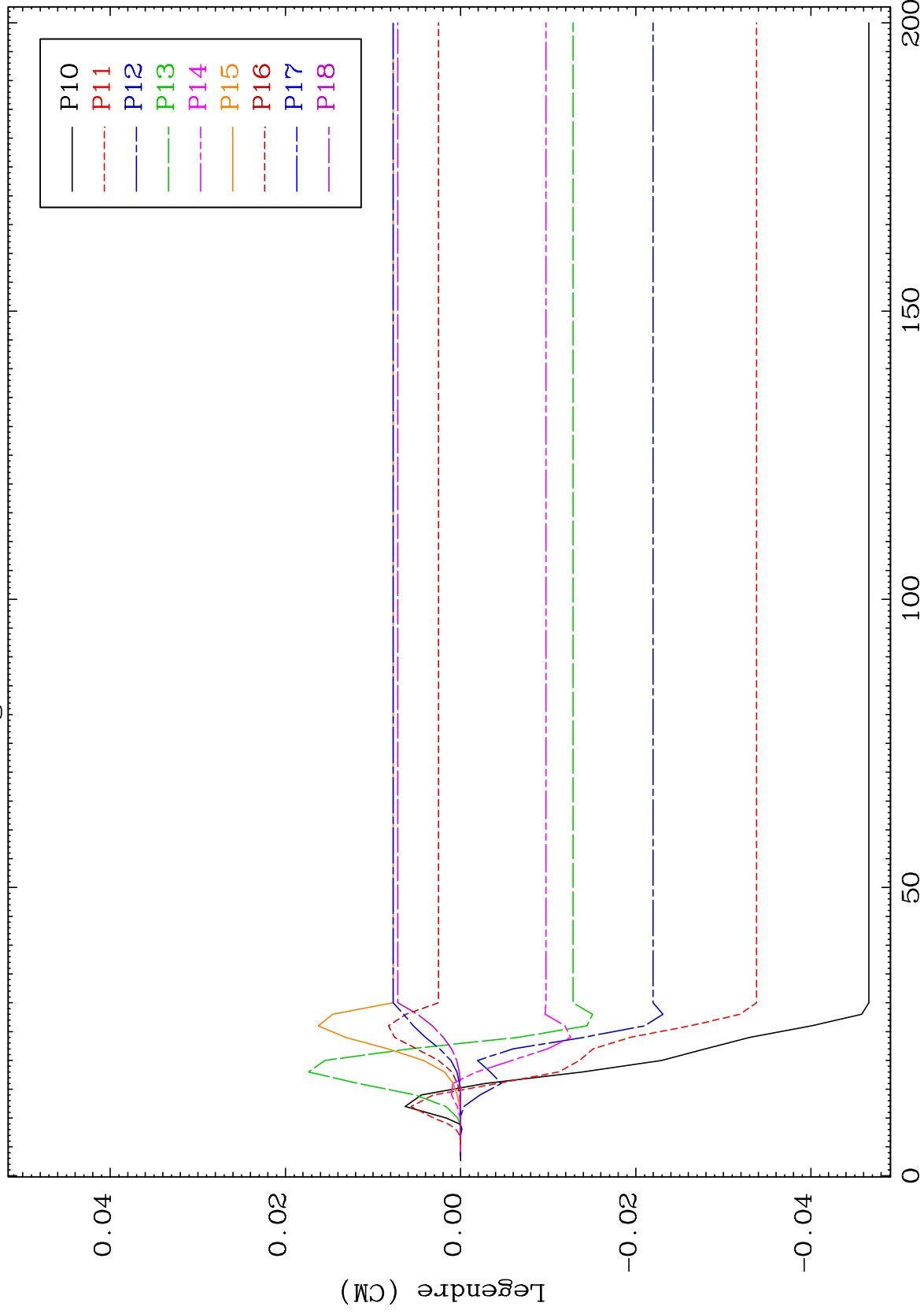
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



62

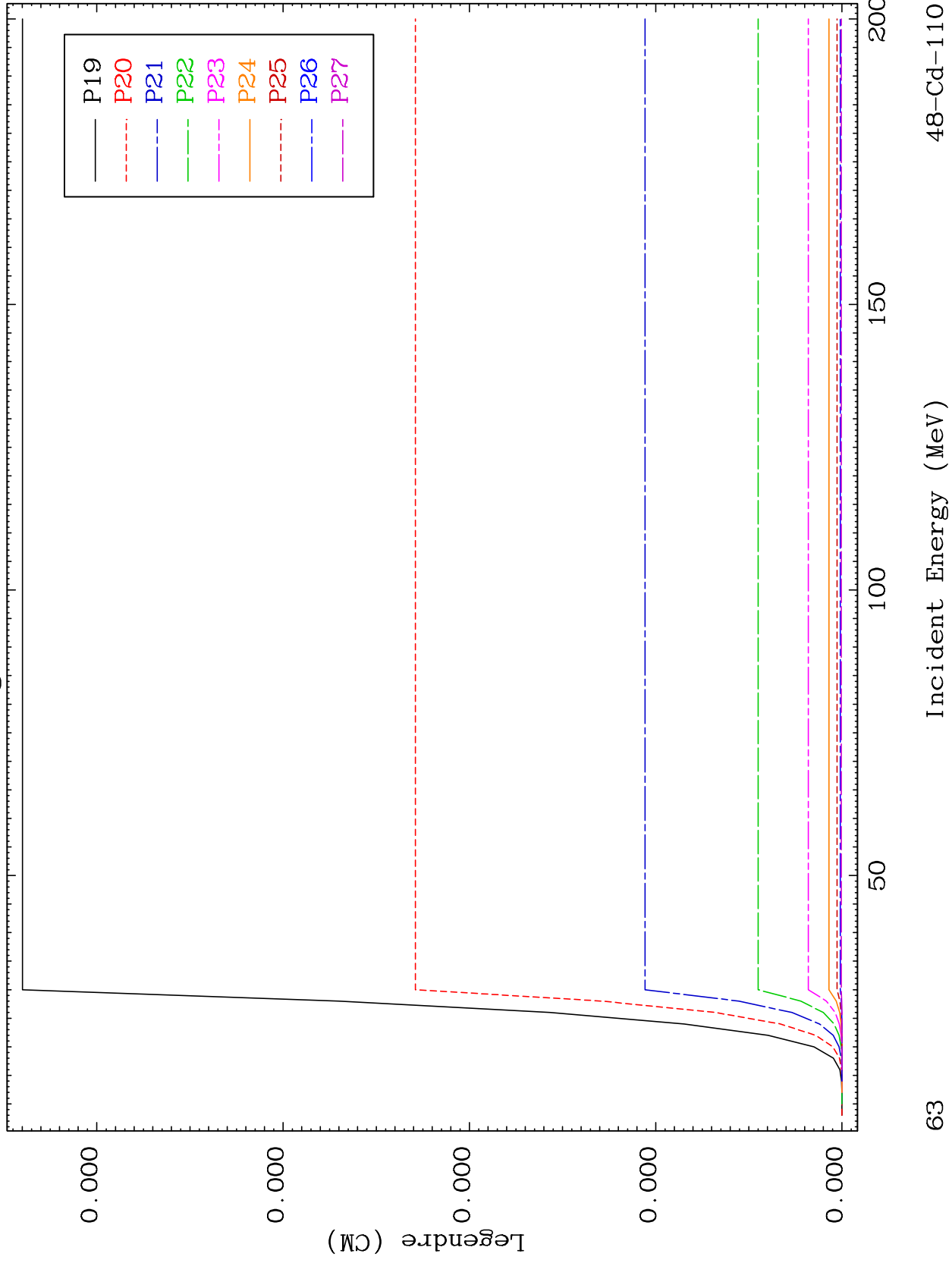
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

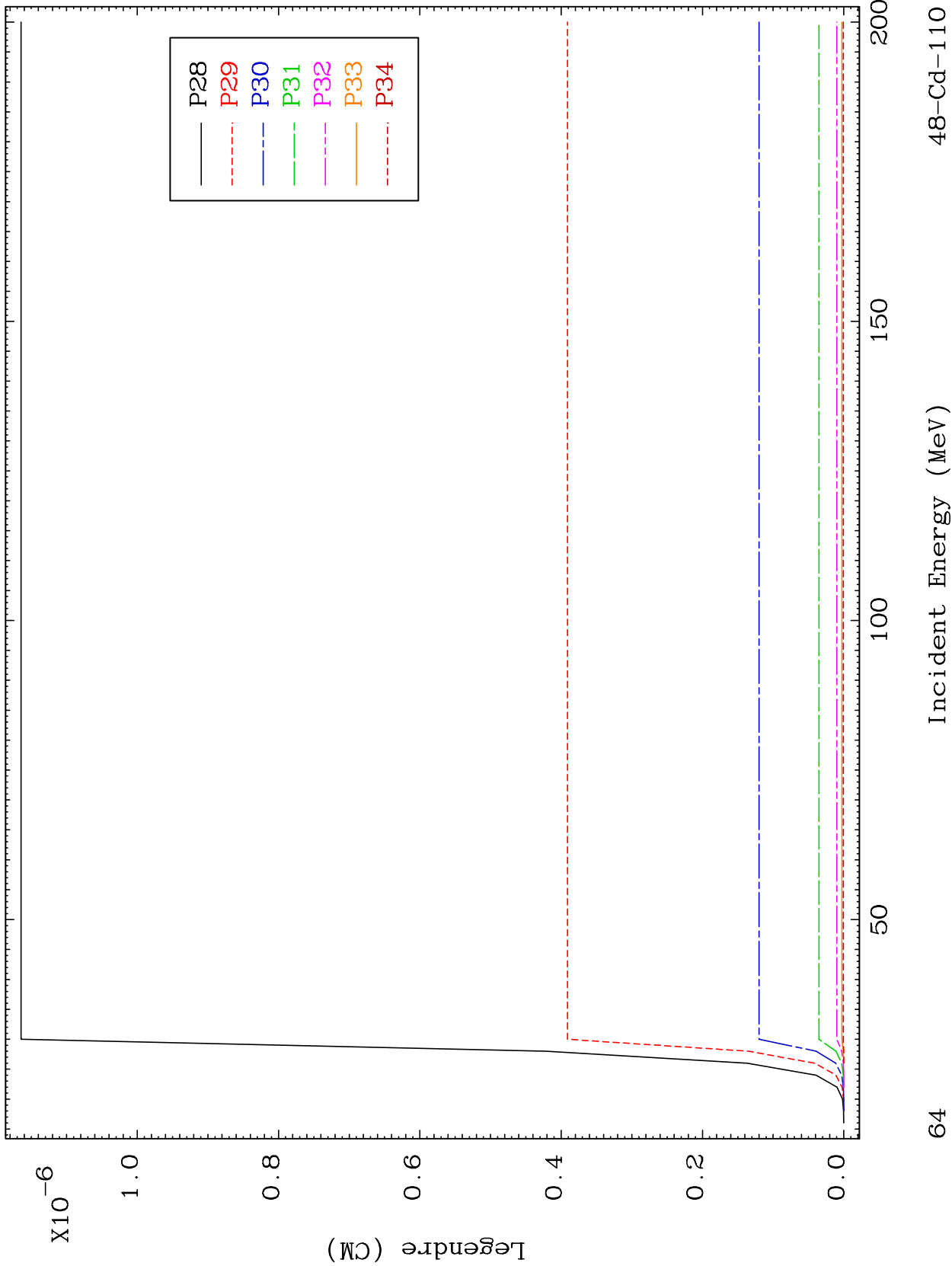
48-Cd-110



MAT 4837

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

48-Cd-110



64

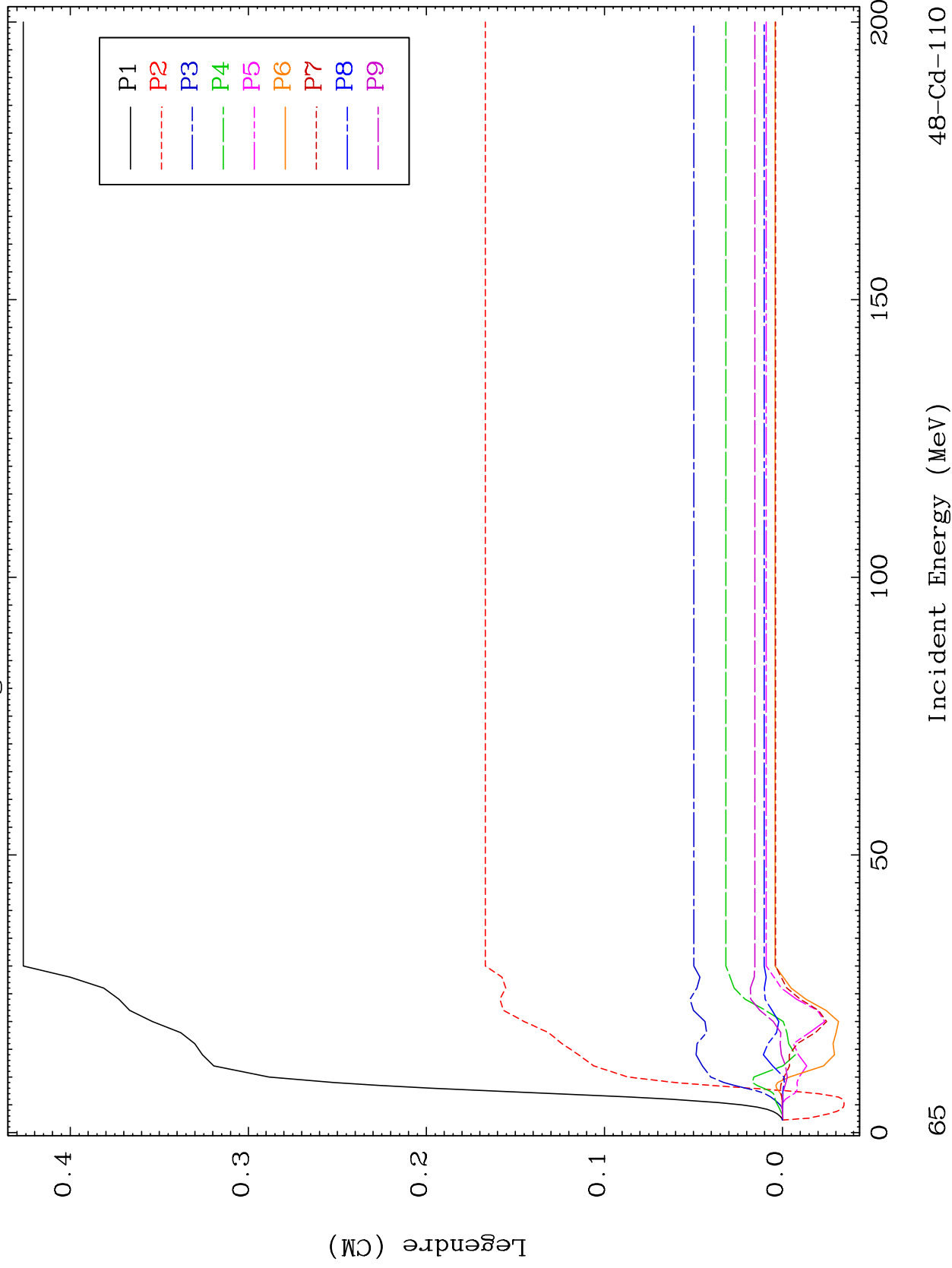
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



48-Cd-110

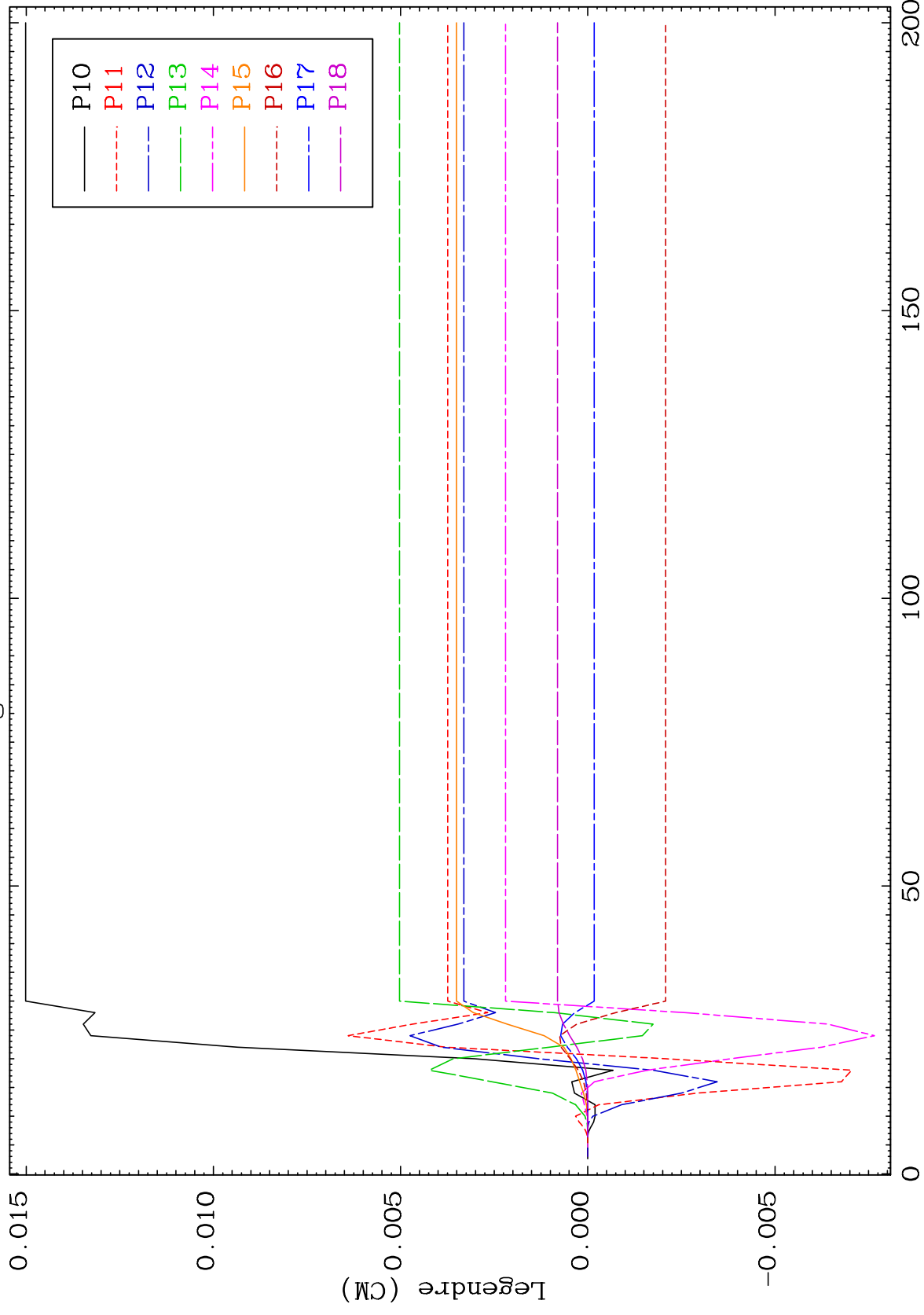
Incident Energy (MeV)

65

MAT 4837

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

48-Cd-110



66

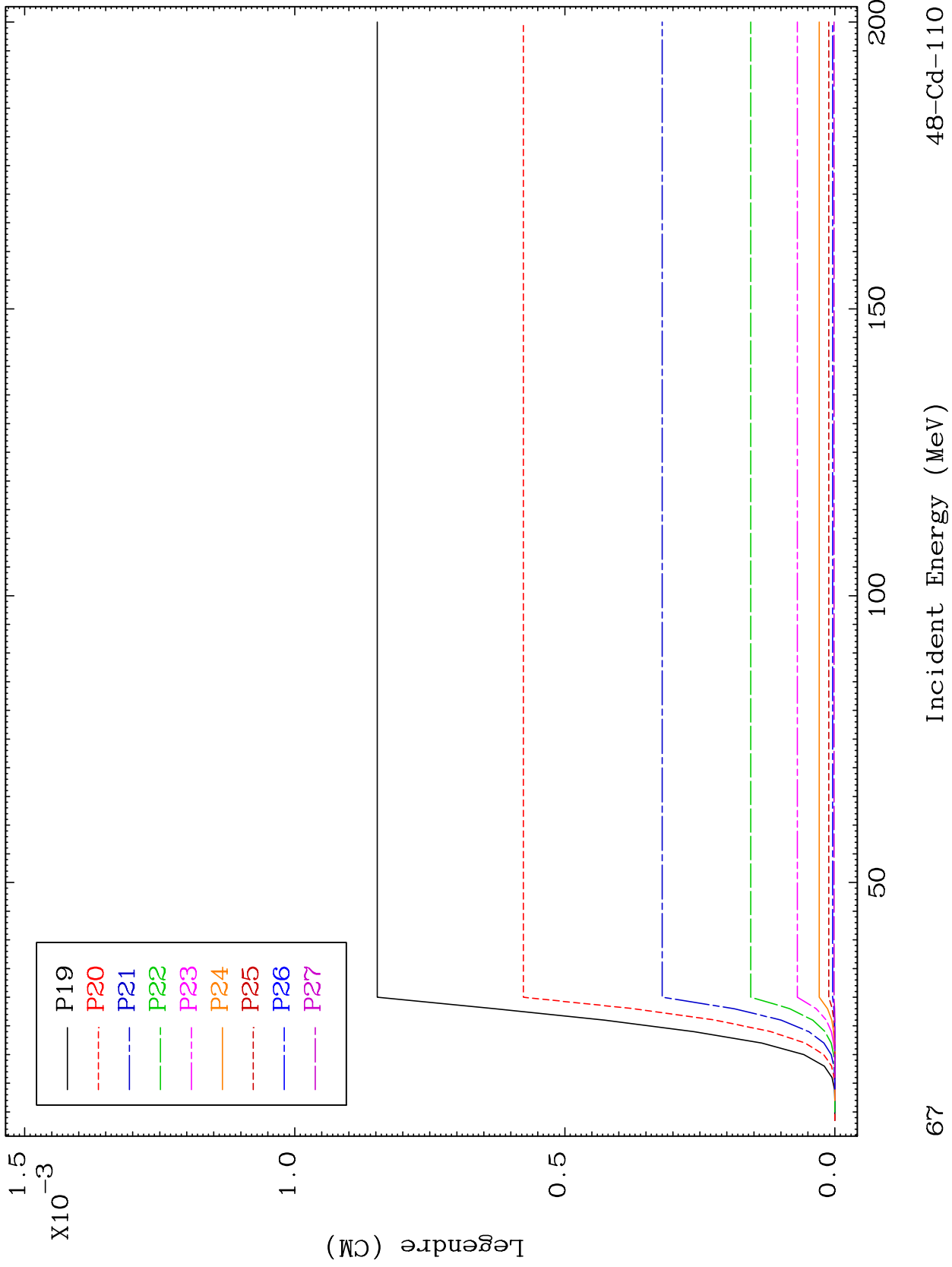
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

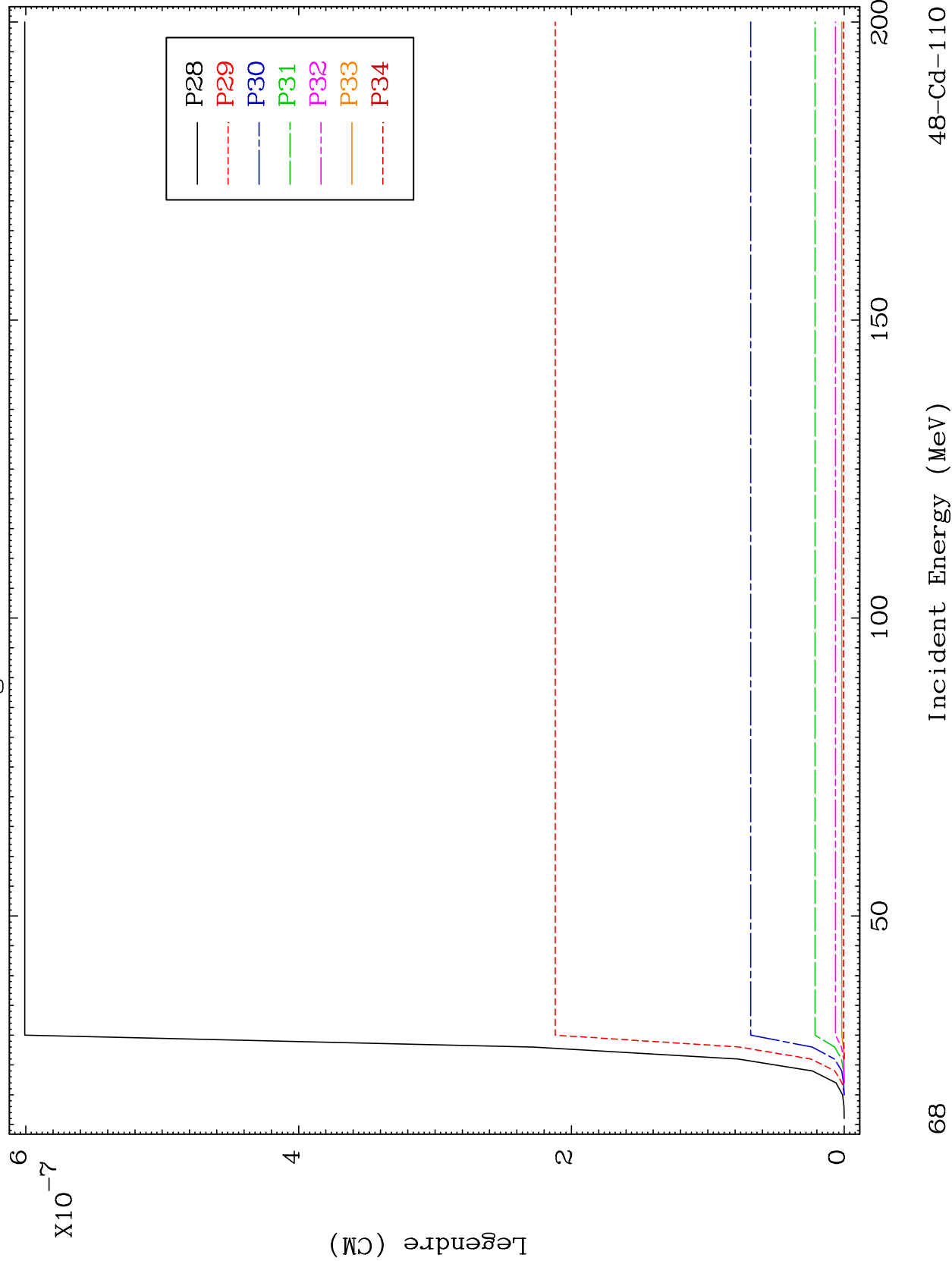
48-Cd-110



MAT 4837

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

48-Cd-110



68

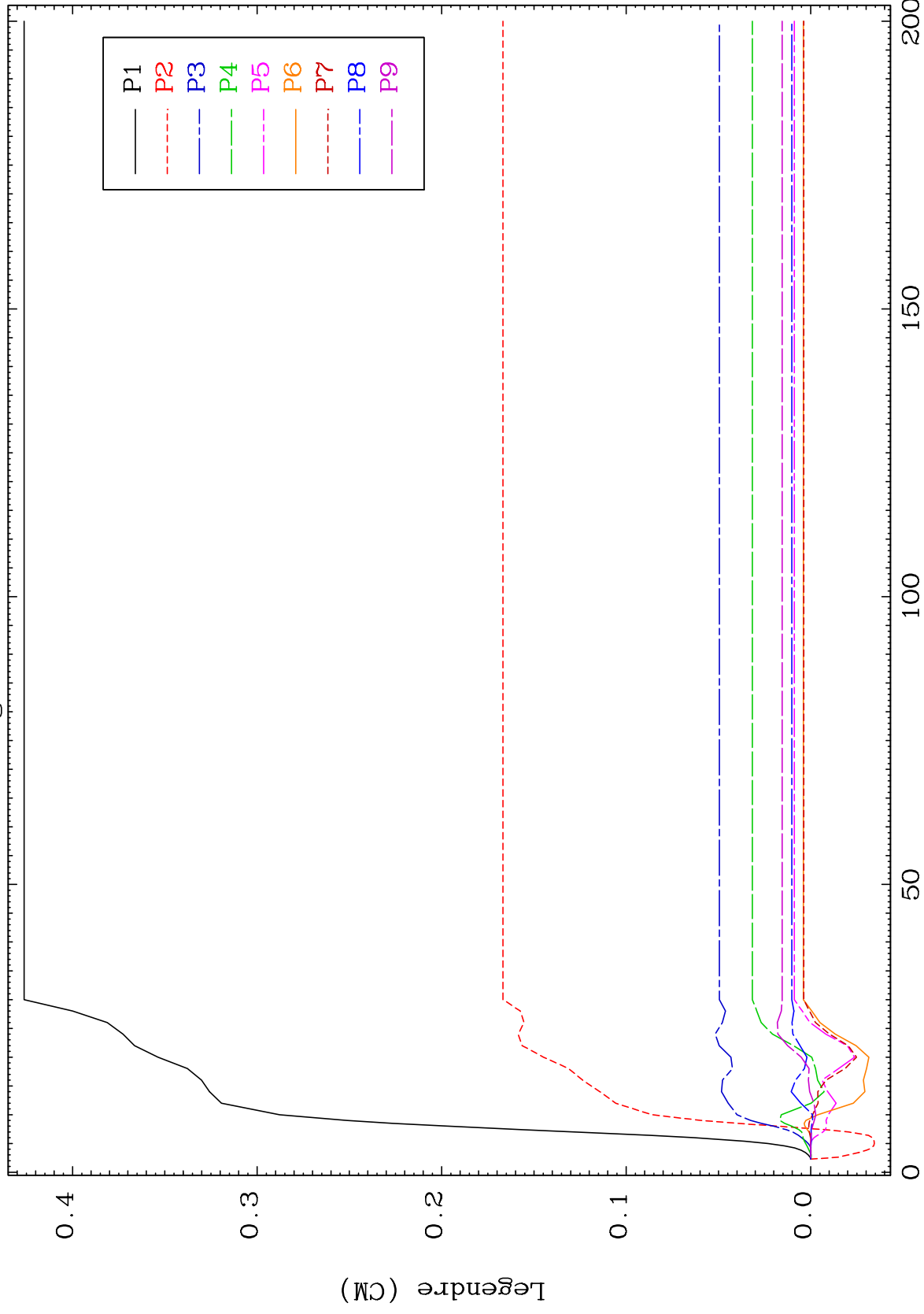
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



69

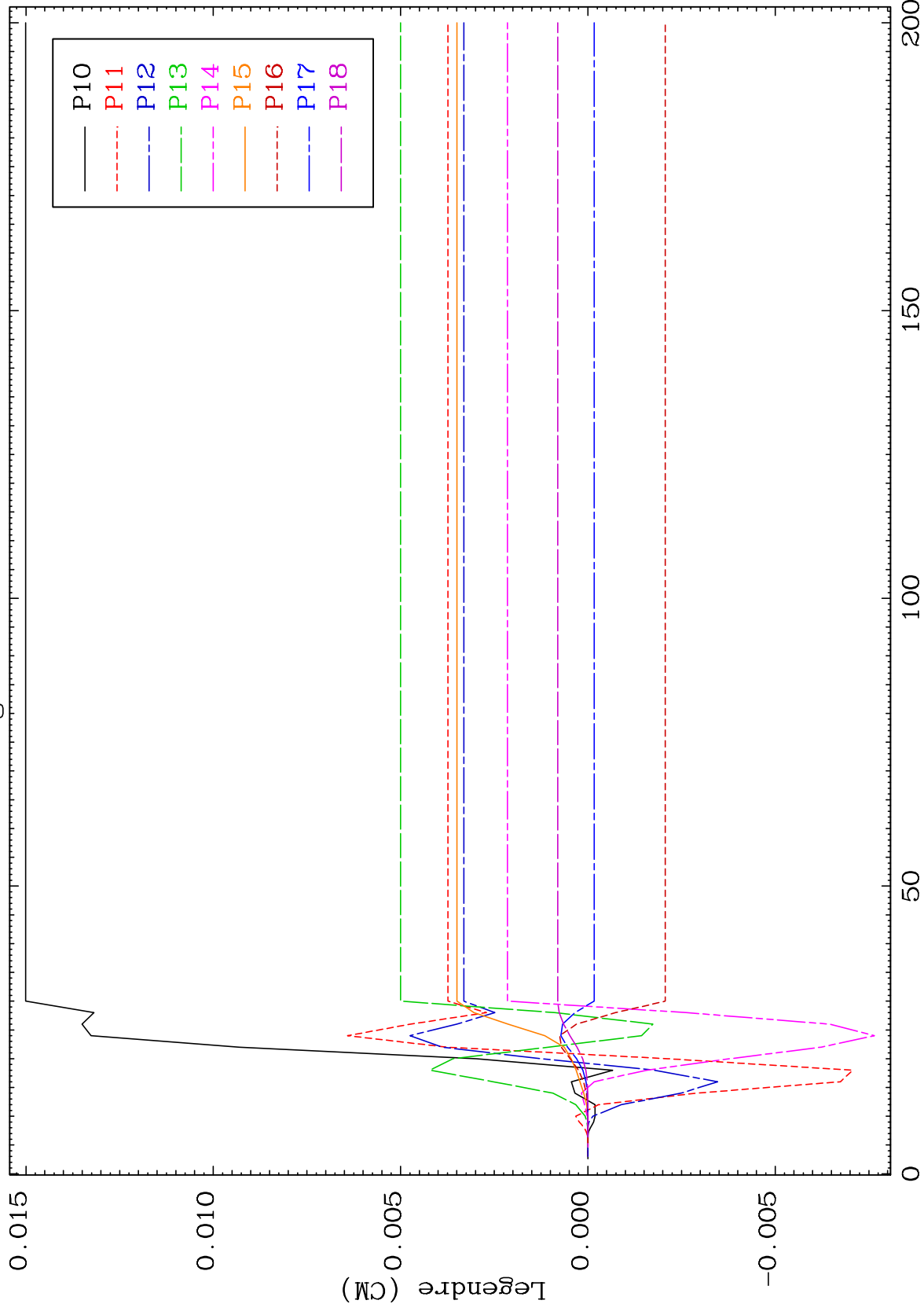
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



48-Cd-110

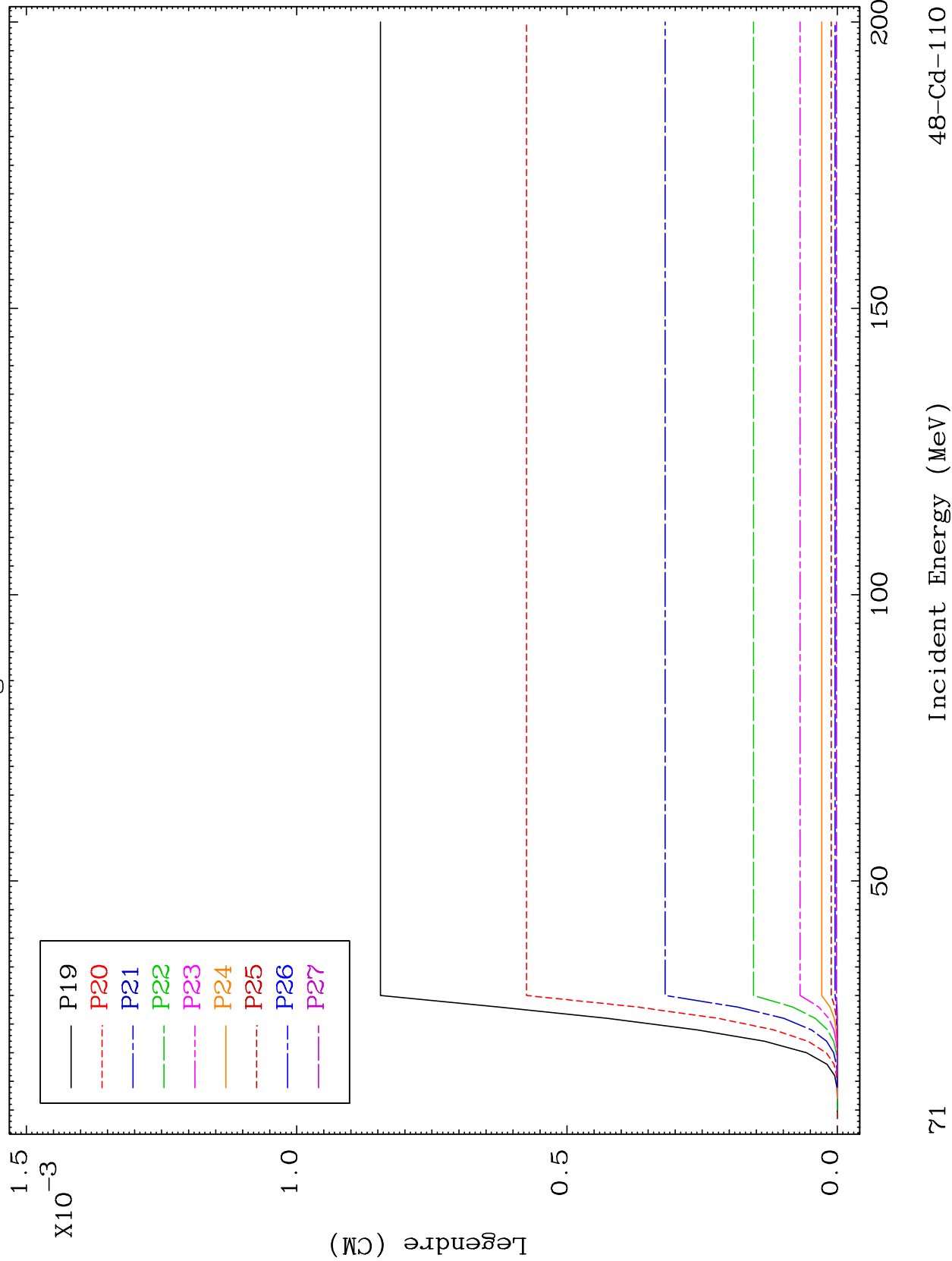
Incident Energy (MeV)

70

MAT 4837

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

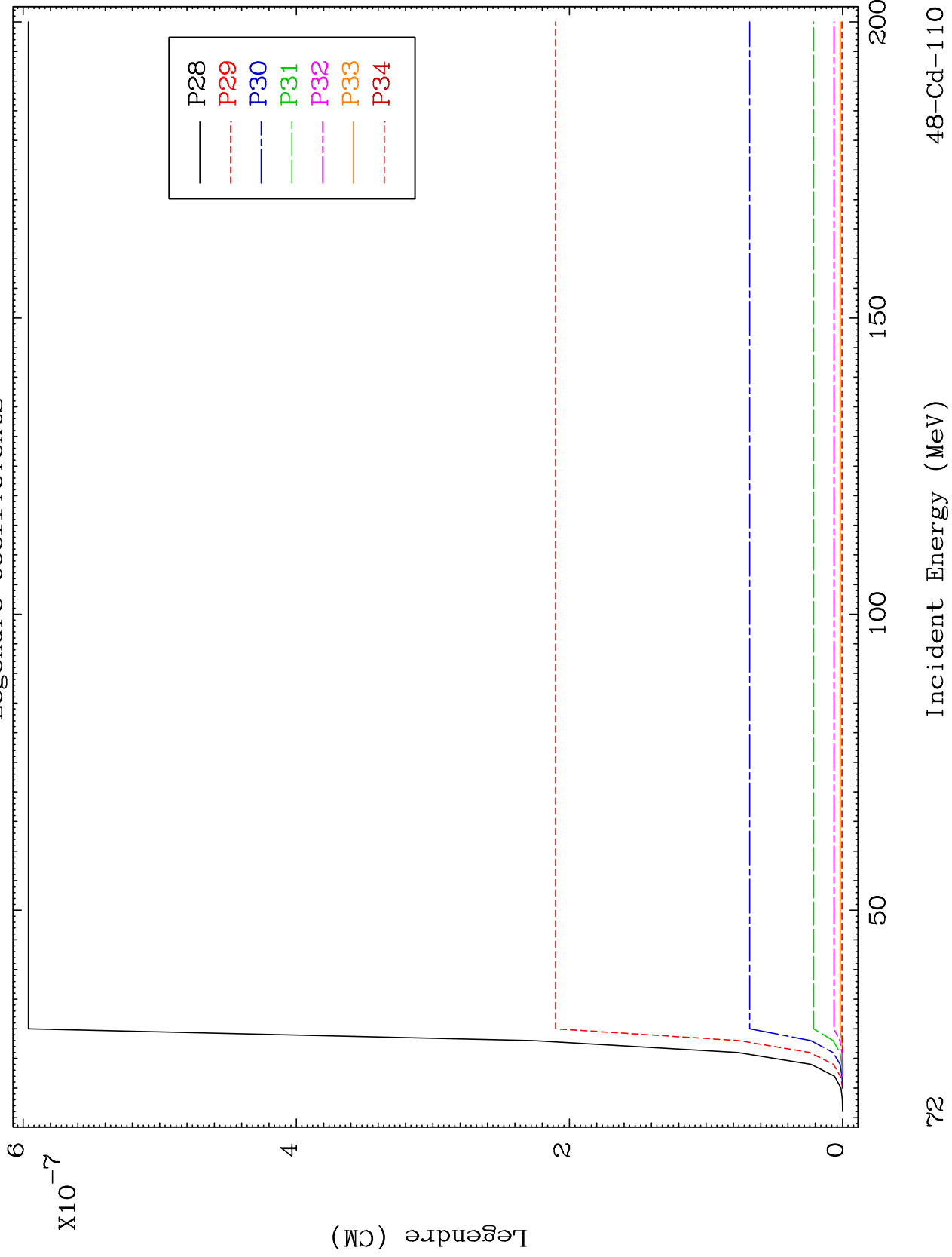
48-Cd-110



MAT 4837

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

48-Cd-110

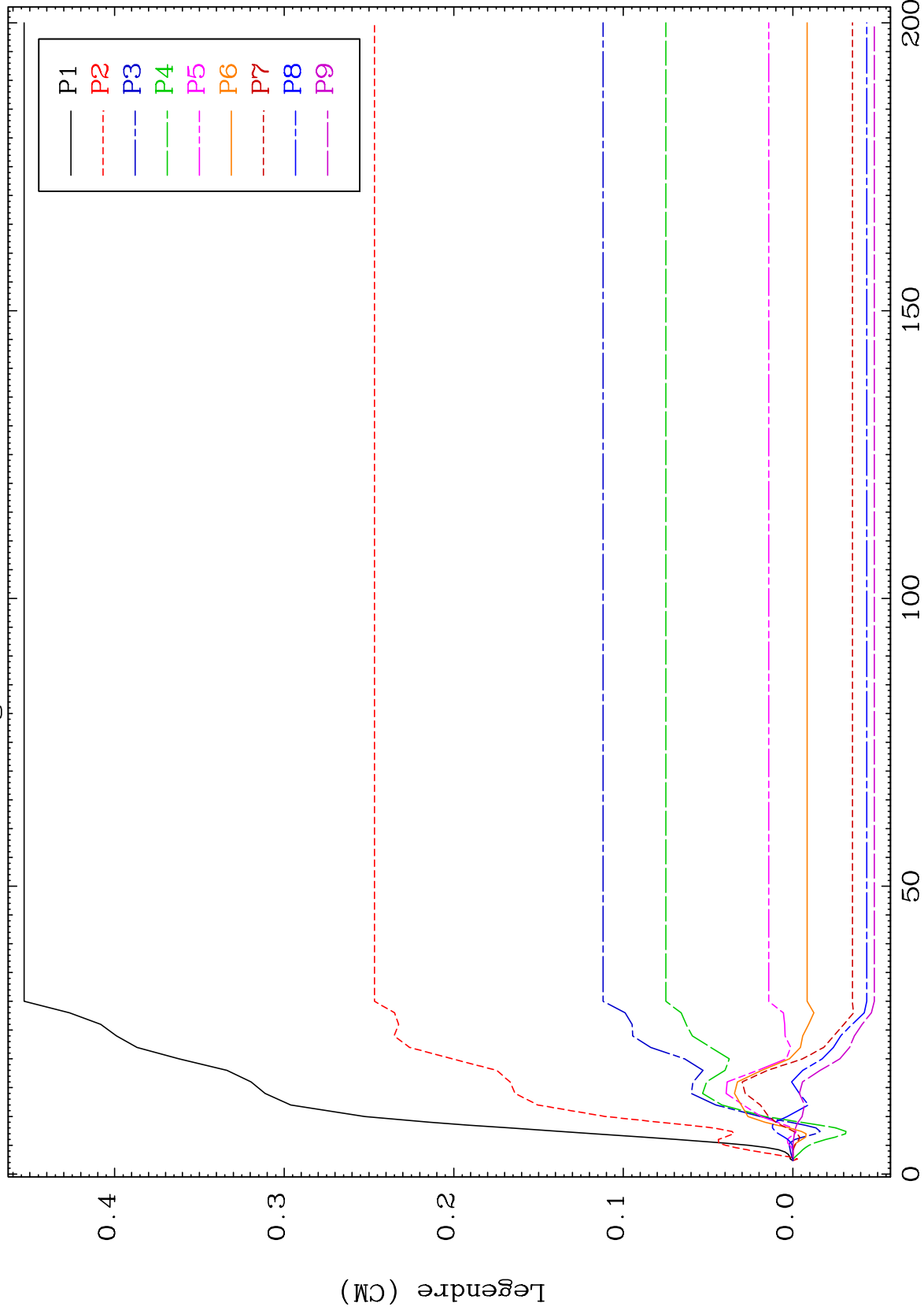


72

MAT 4837

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

48-Cd-110



73

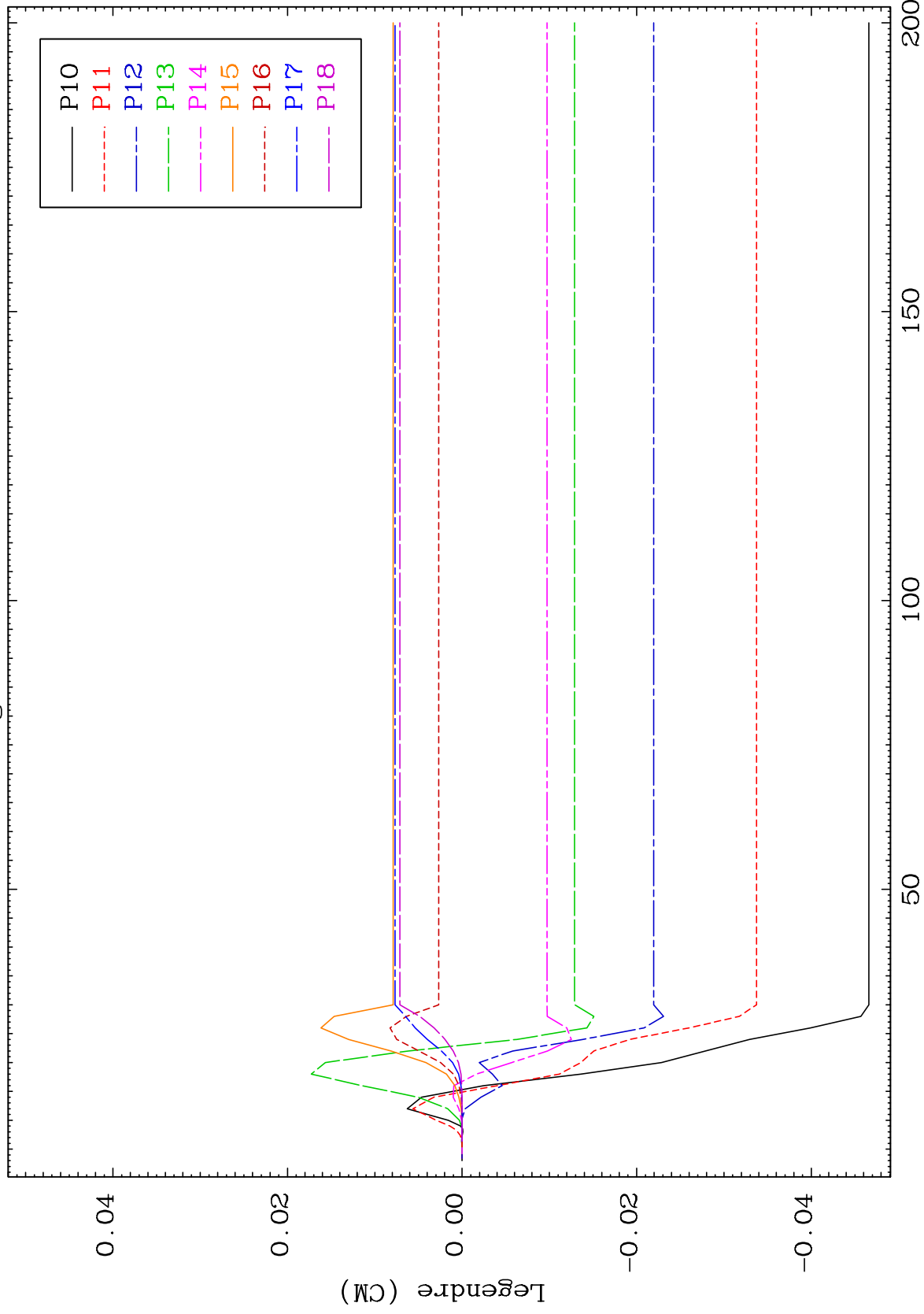
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



74

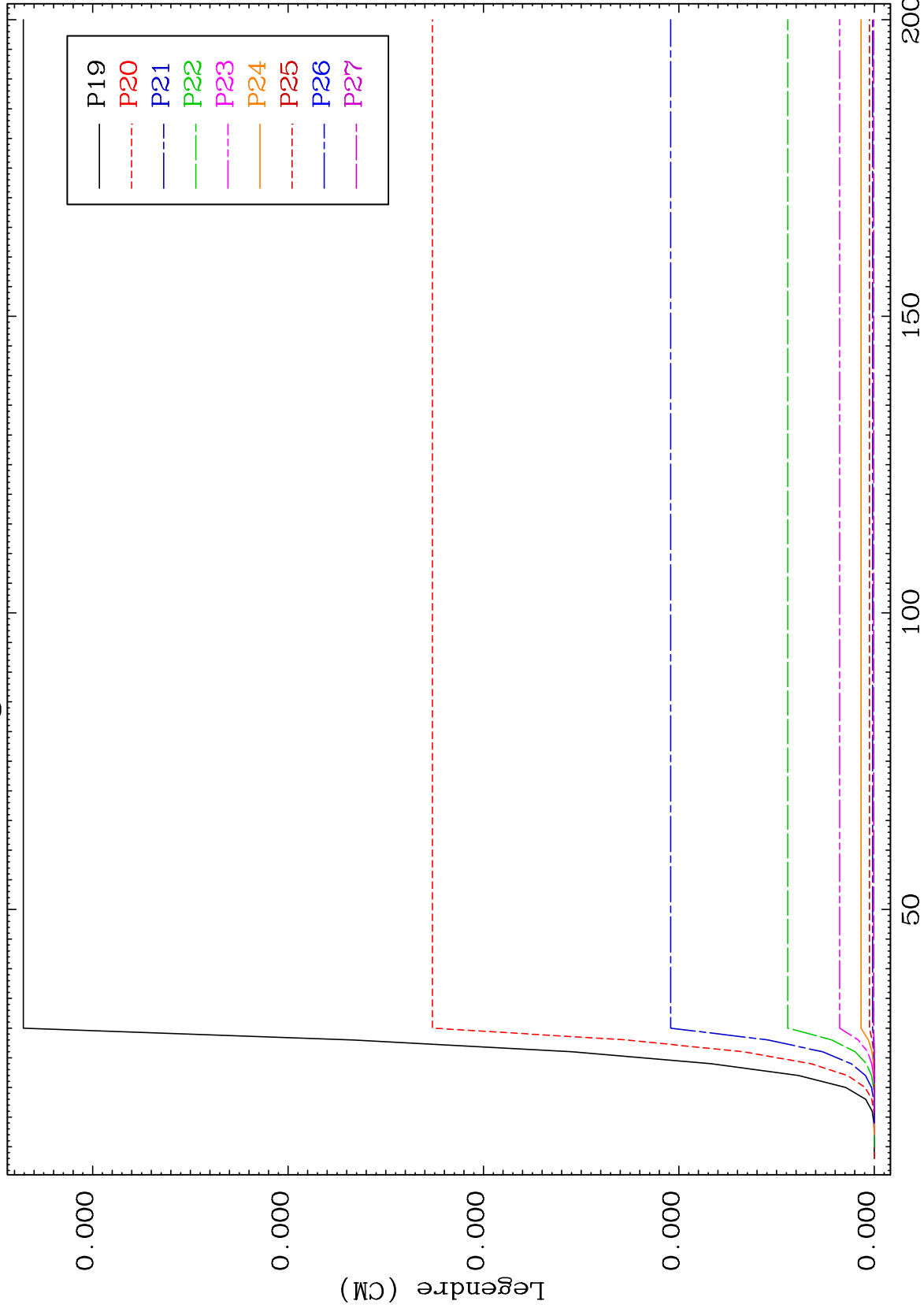
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



75

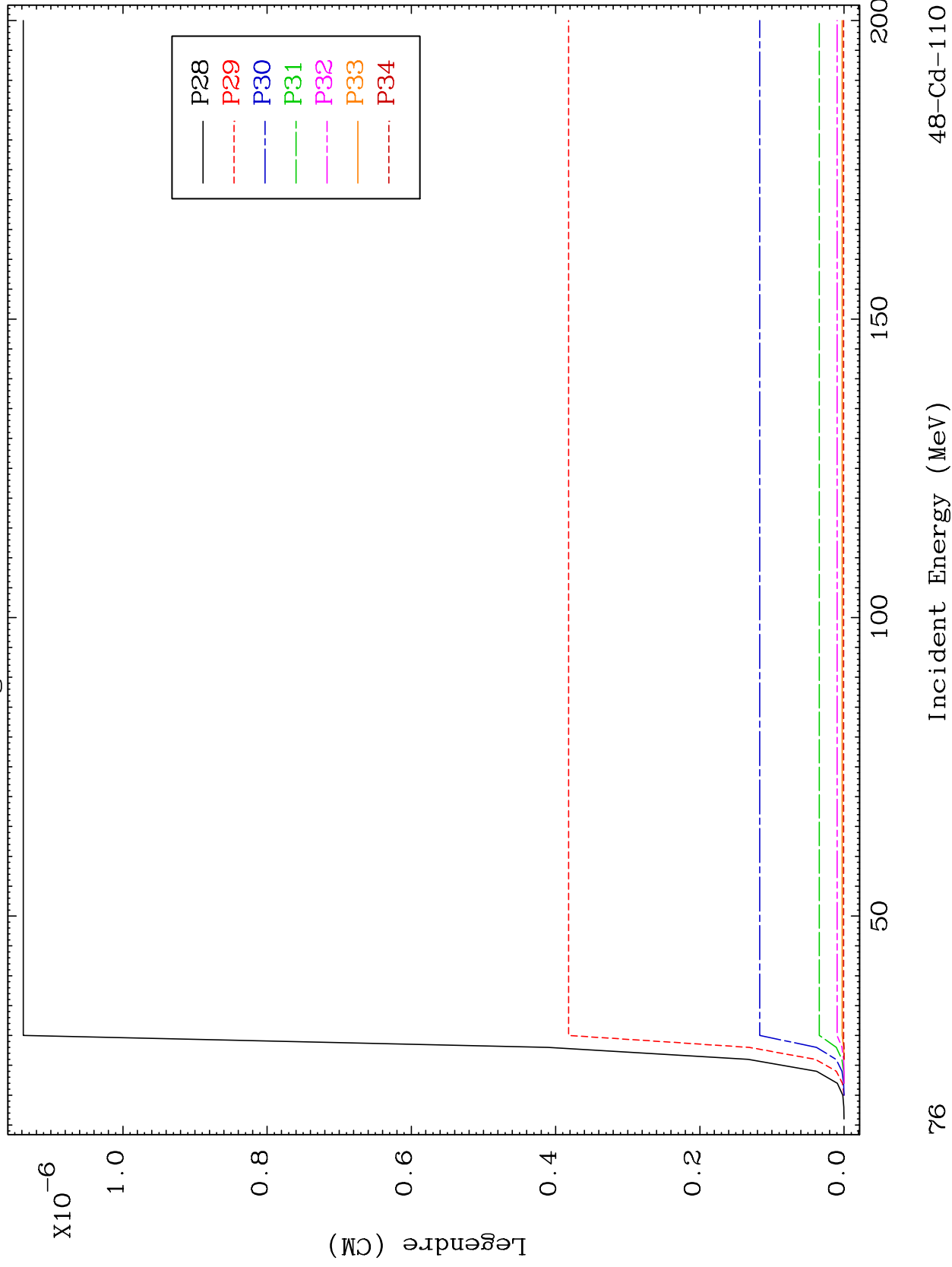
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

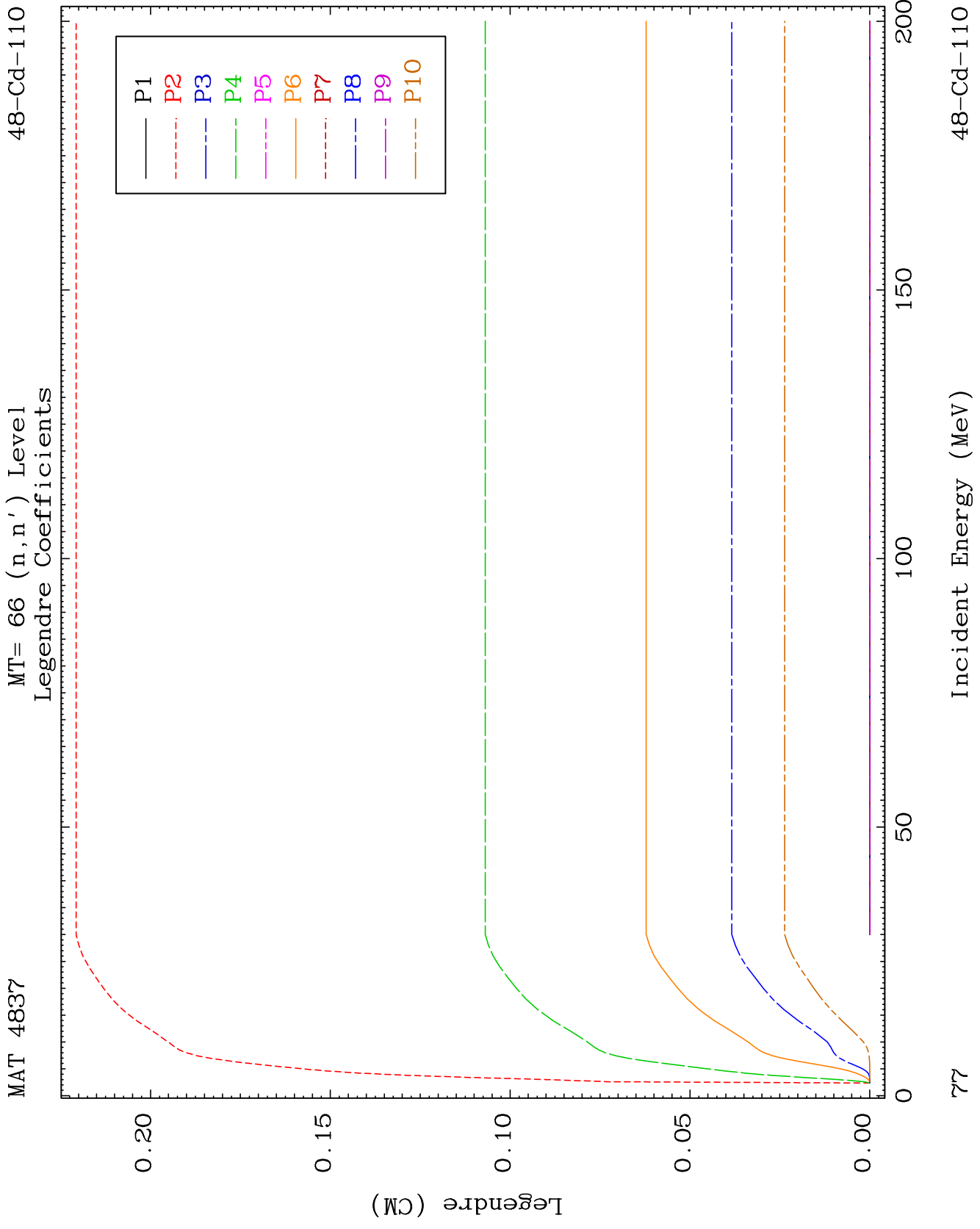
48-Cd-110



76

Incident Energy (MeV)

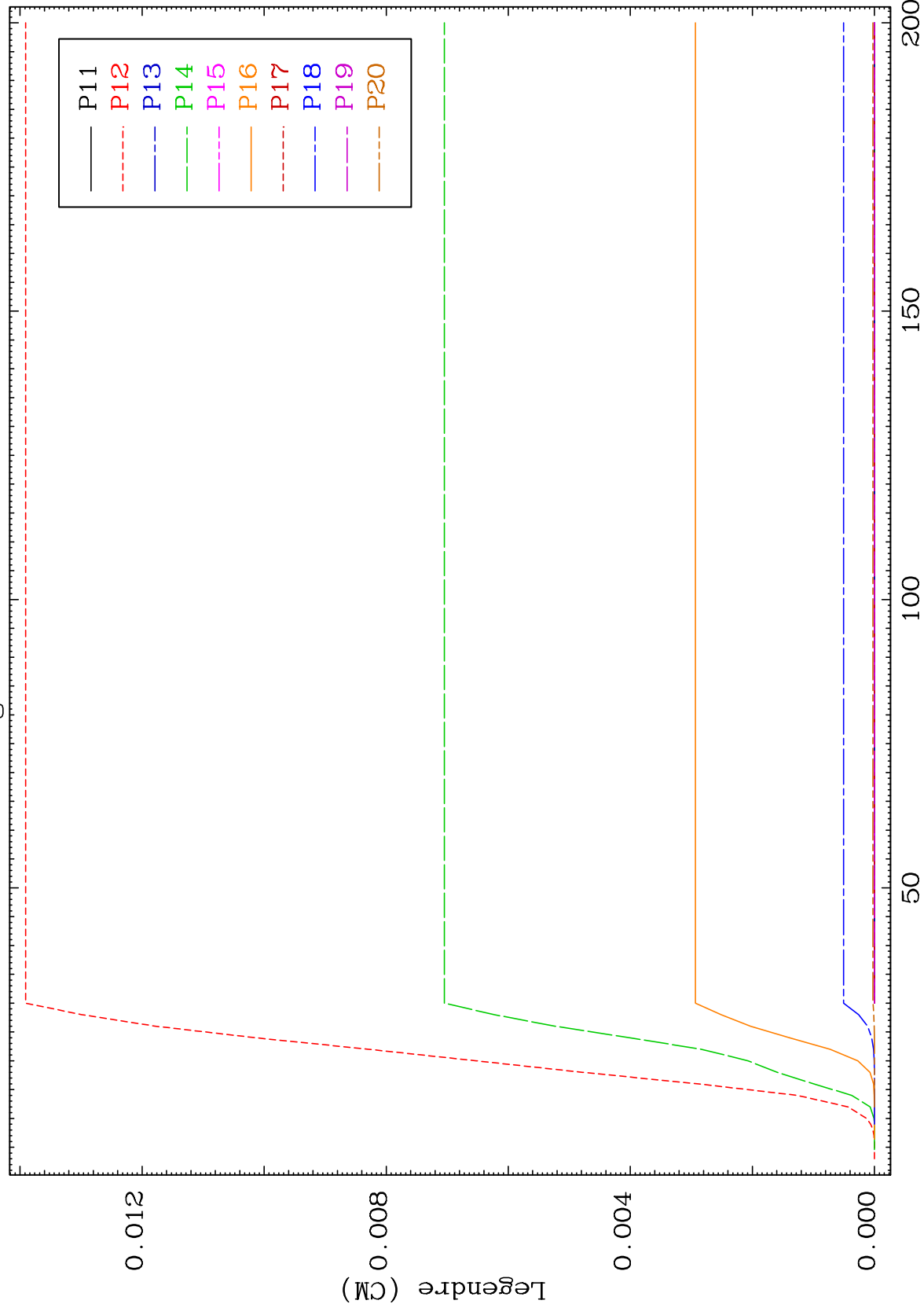
48-Cd-110



MAT 4837

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

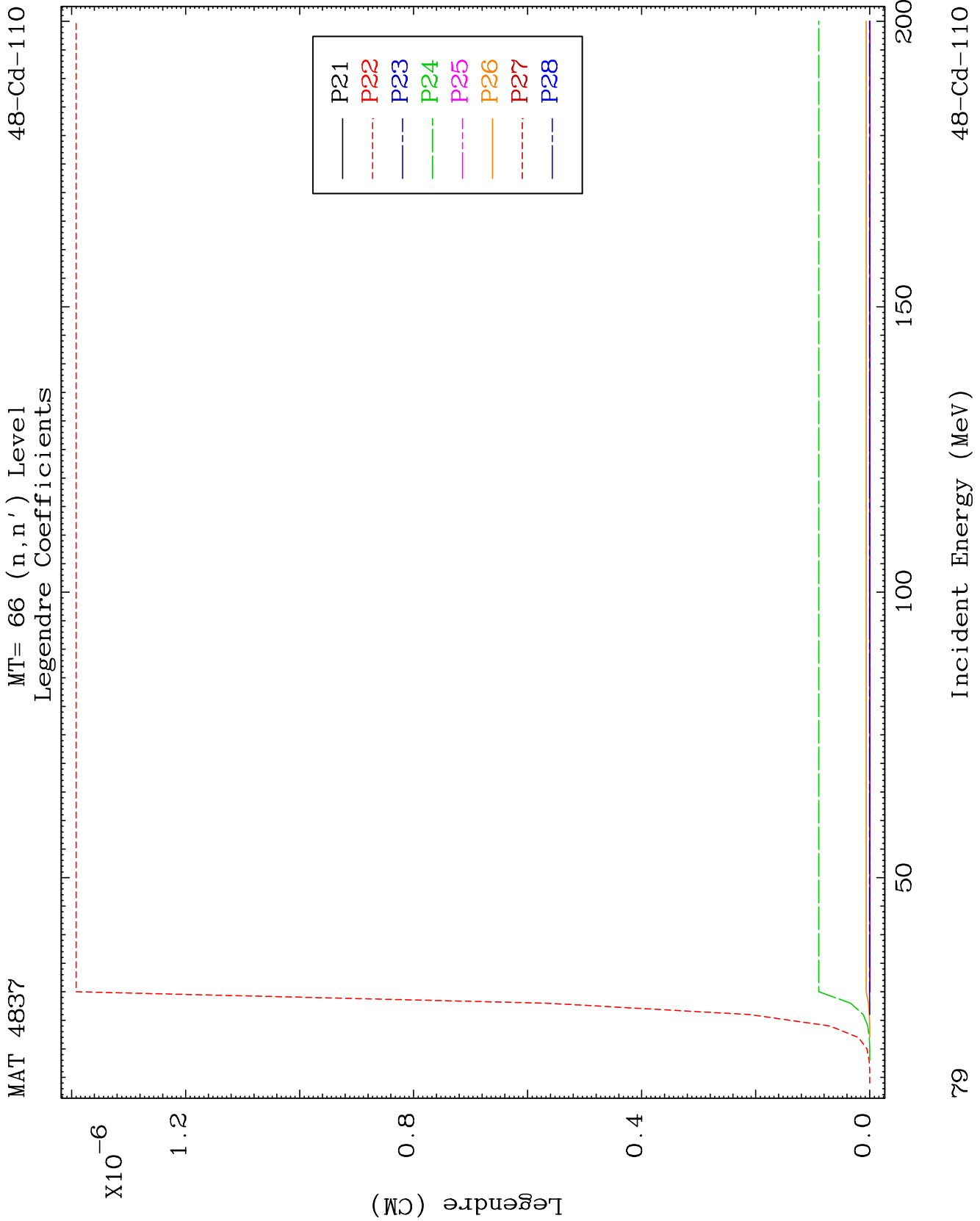
48-Cd-110



78

Incident Energy (MeV)

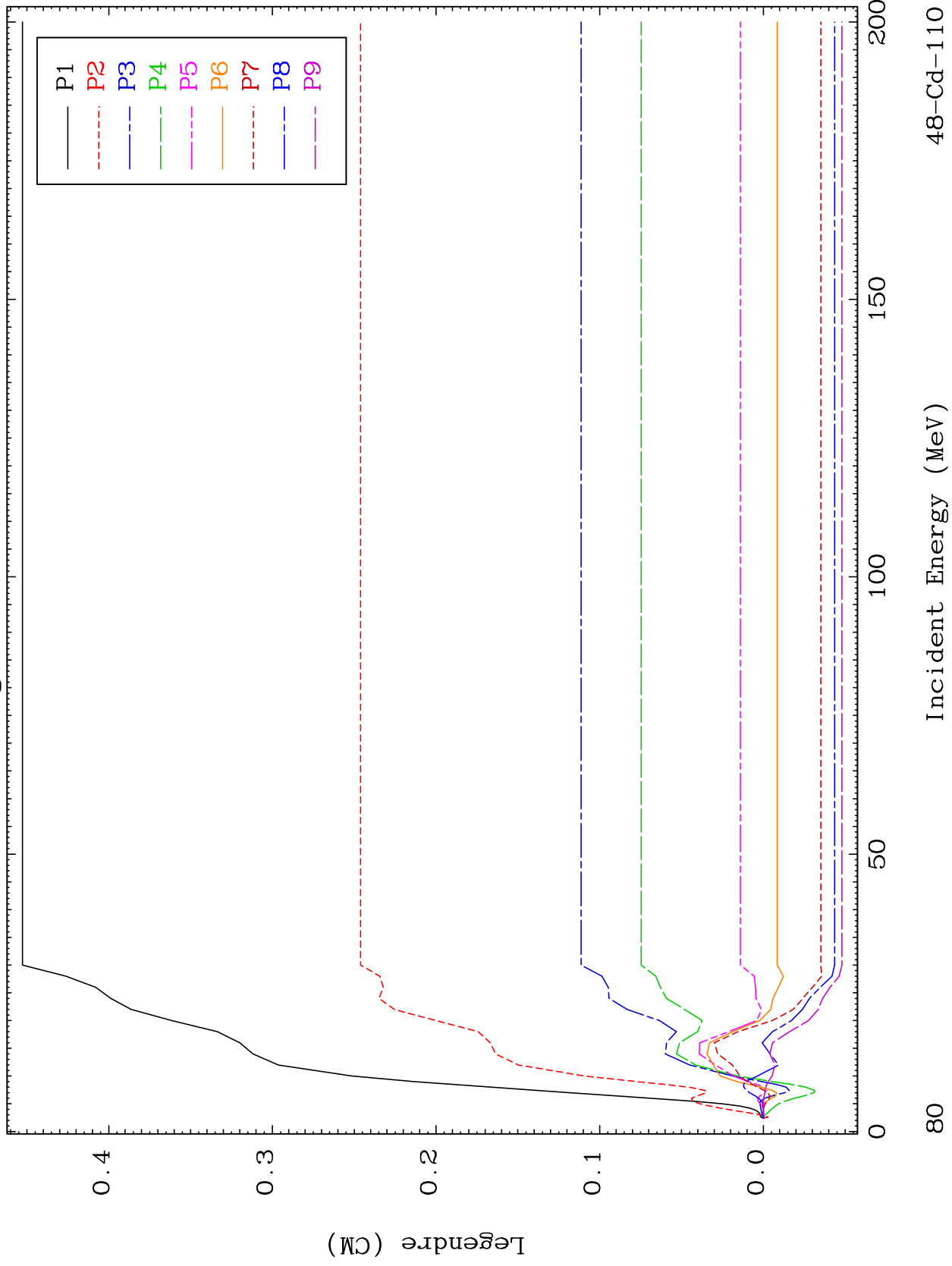
48-Cd-110



MAT 4837

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

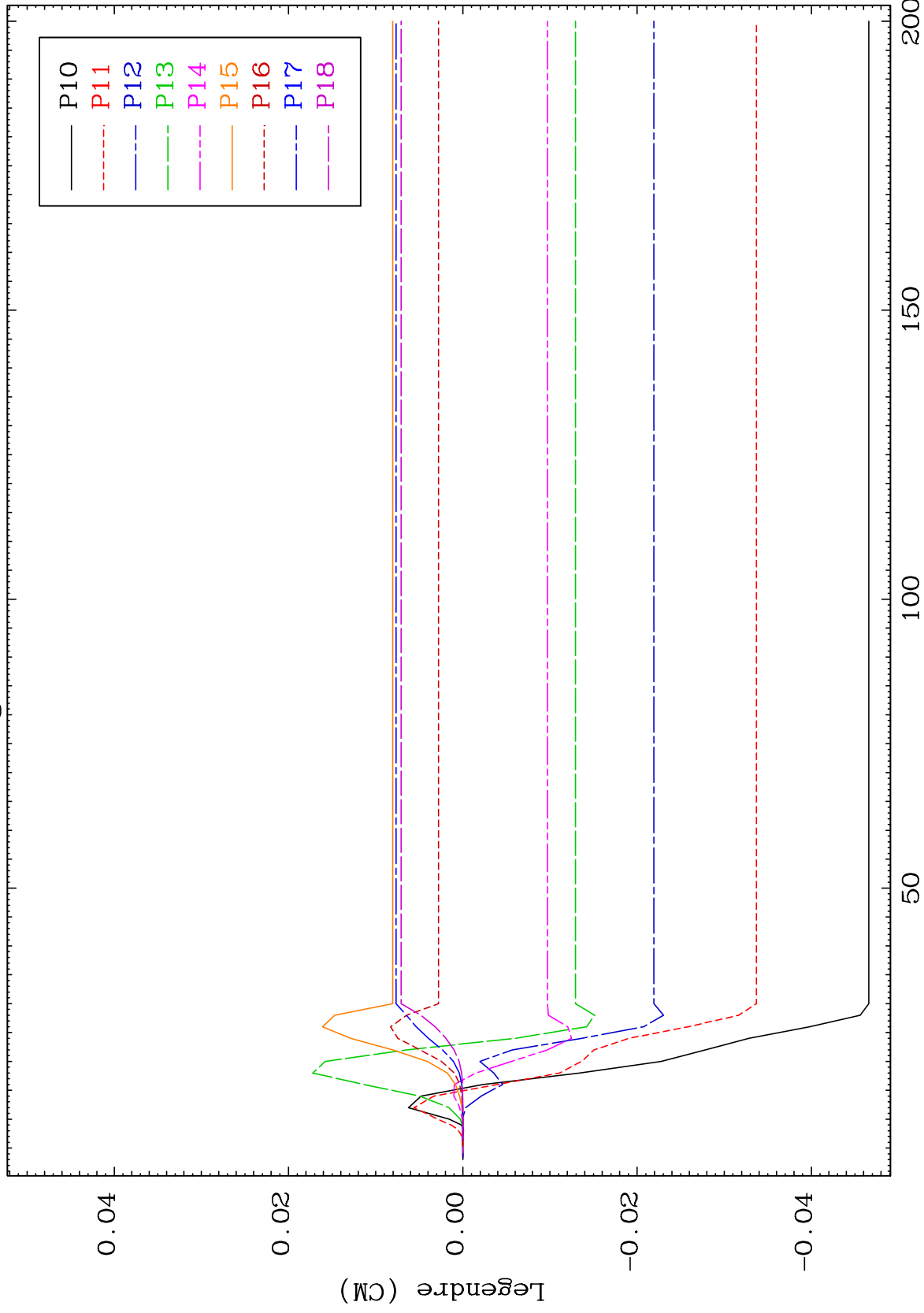
48-Cd-110



MAT 4837

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

48-Cd-110



81

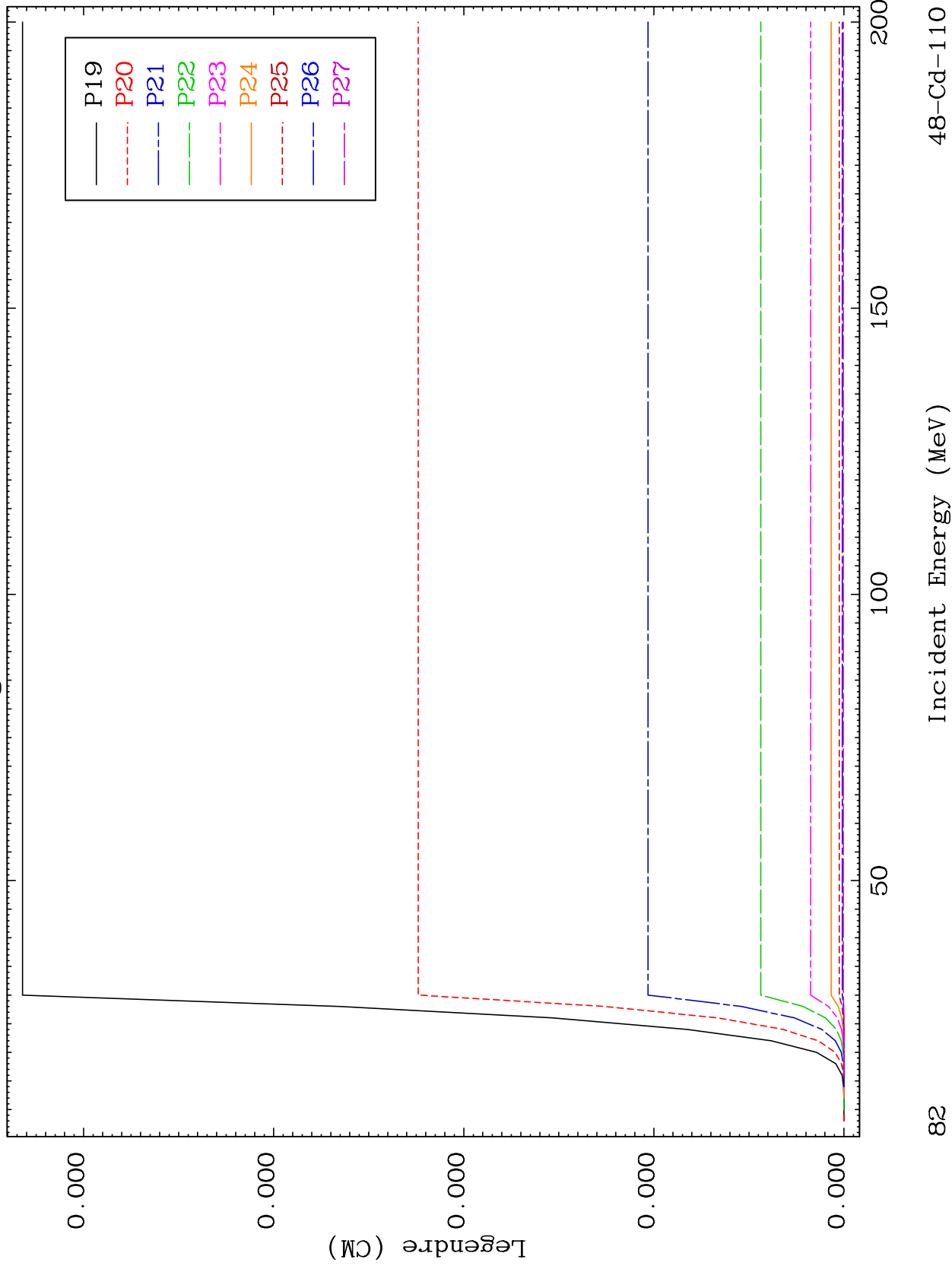
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



82

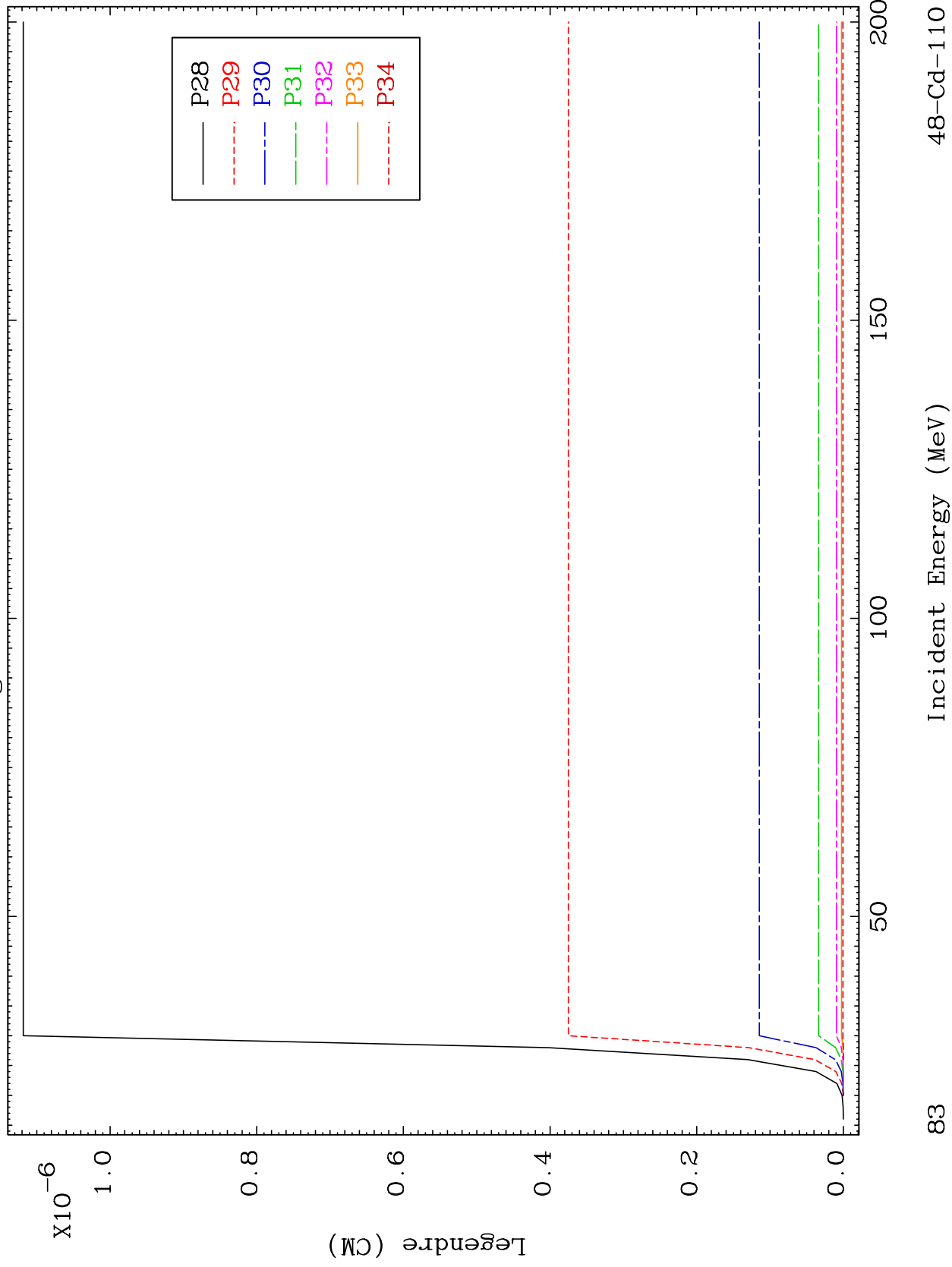
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

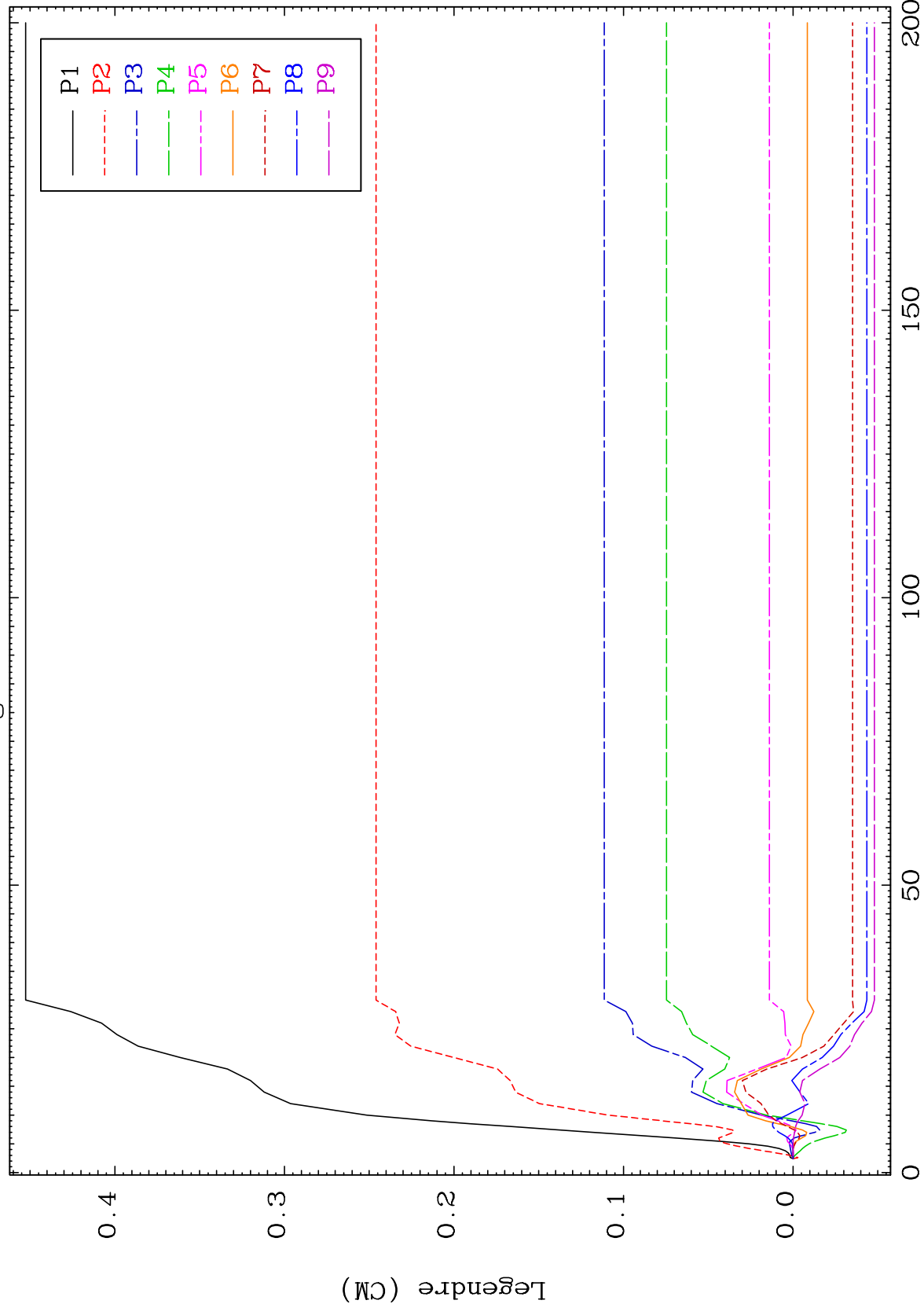
48-Cd-110



MAT 4837

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

48-Cd-110



84

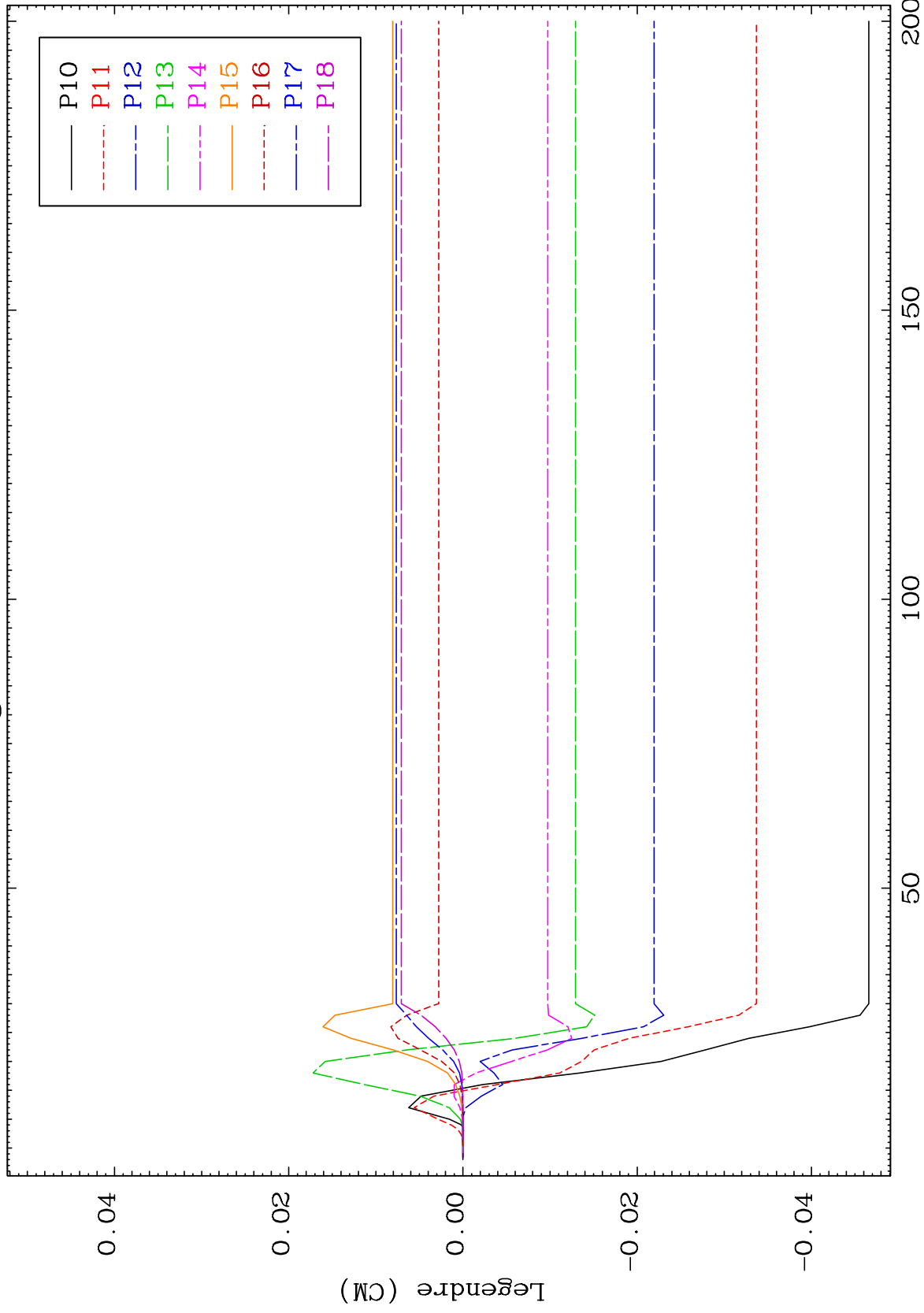
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



85

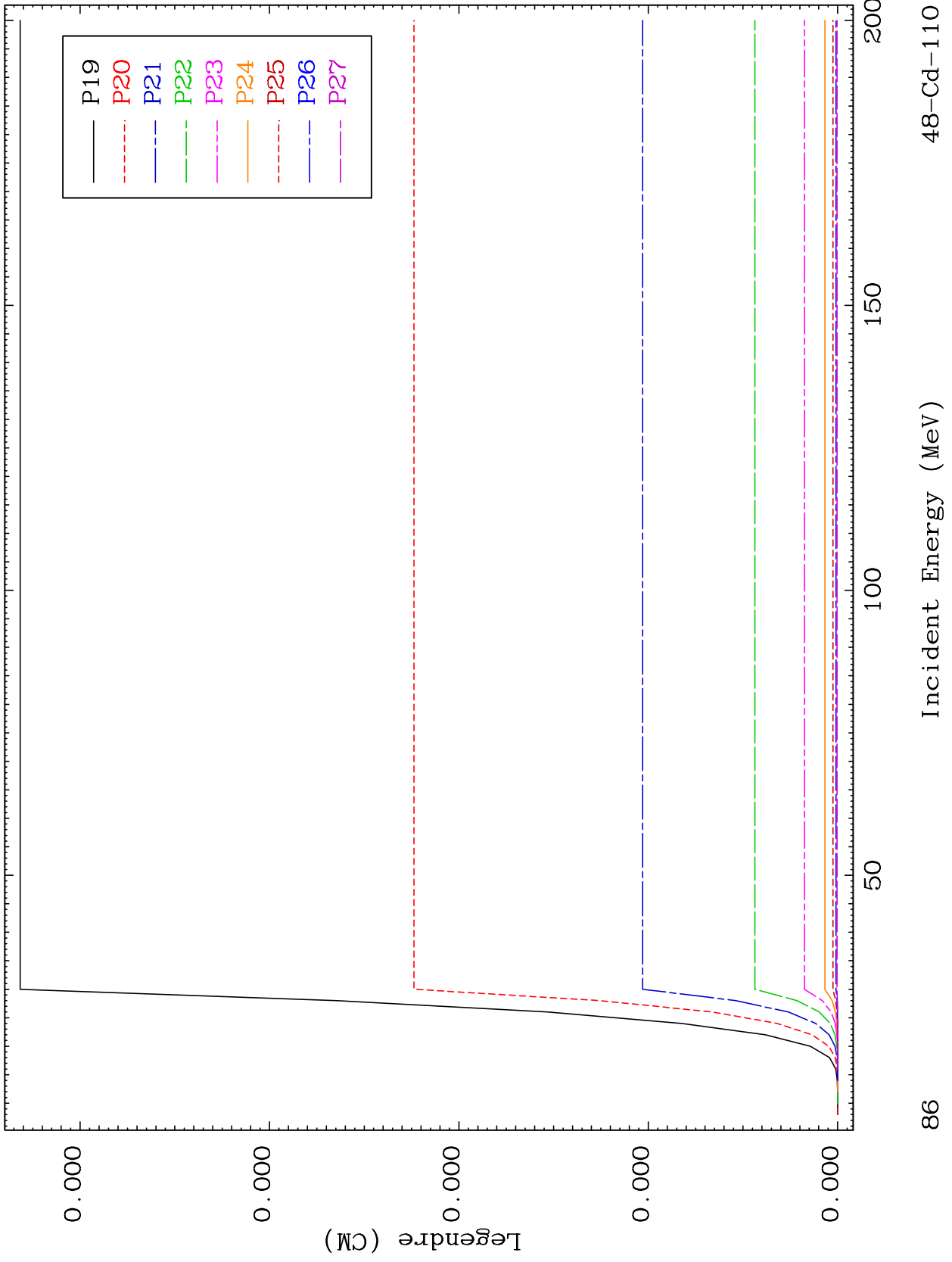
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

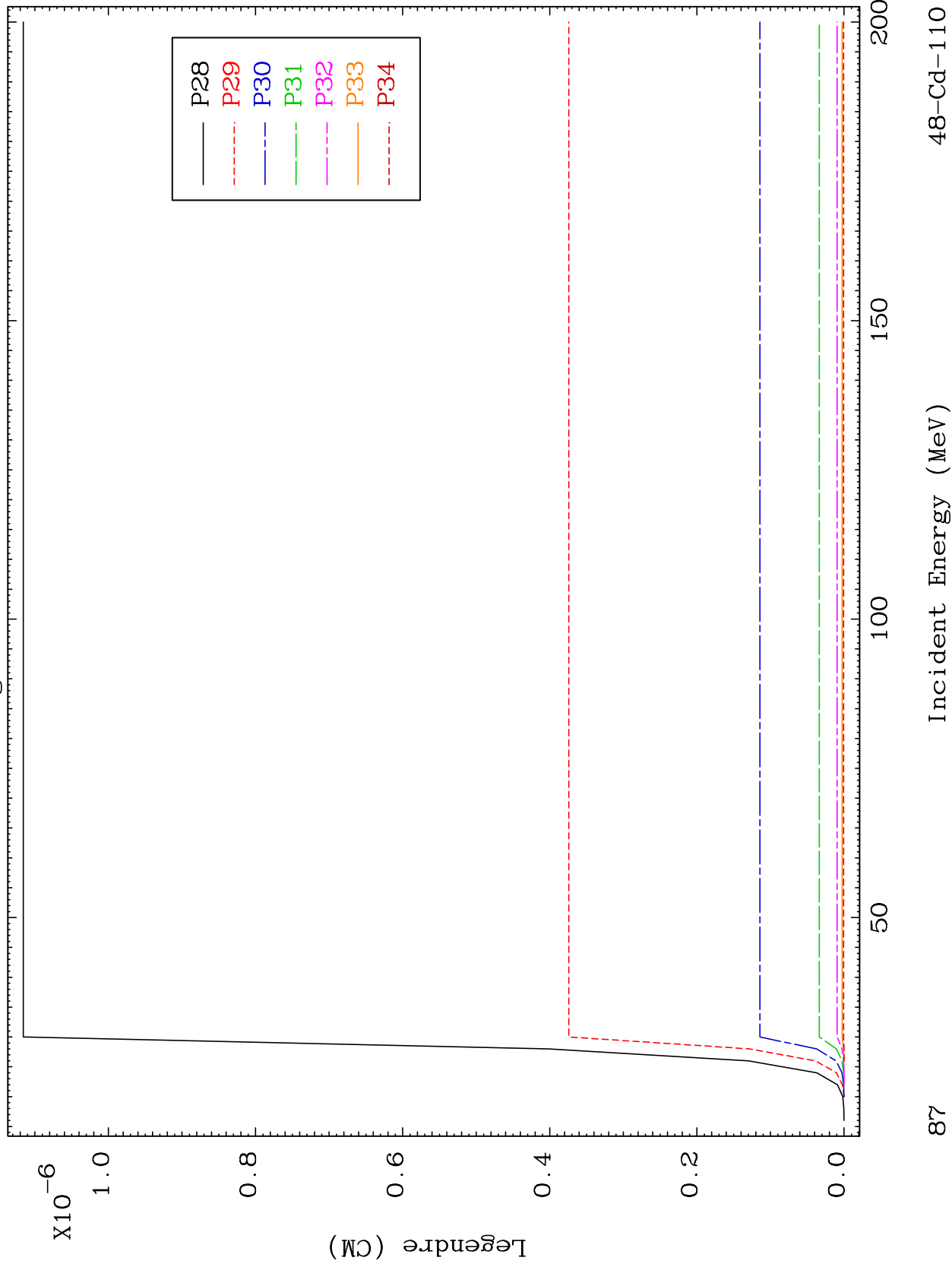
48-Cd-110



MAT 4837

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

48-Cd-110



87

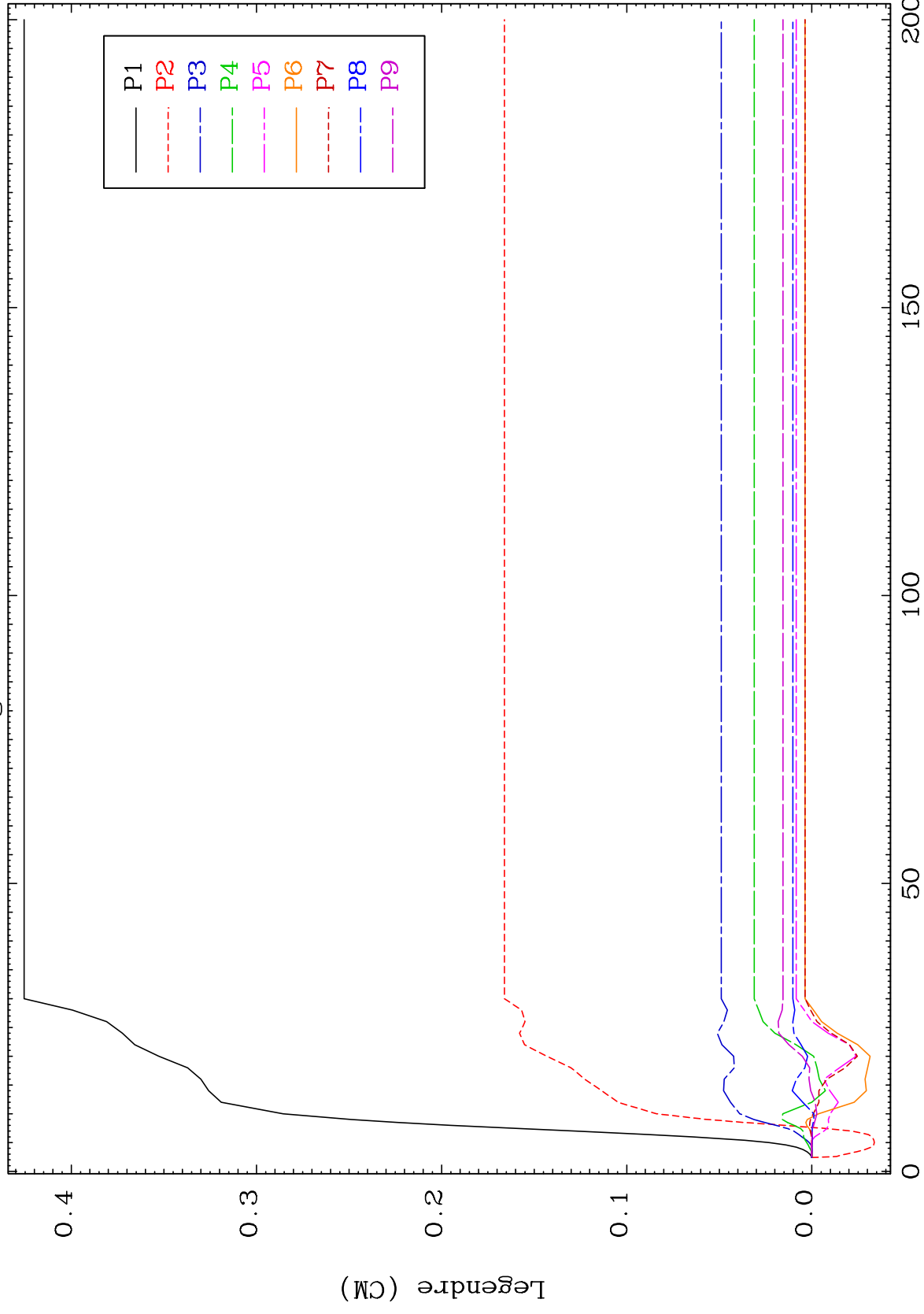
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



88

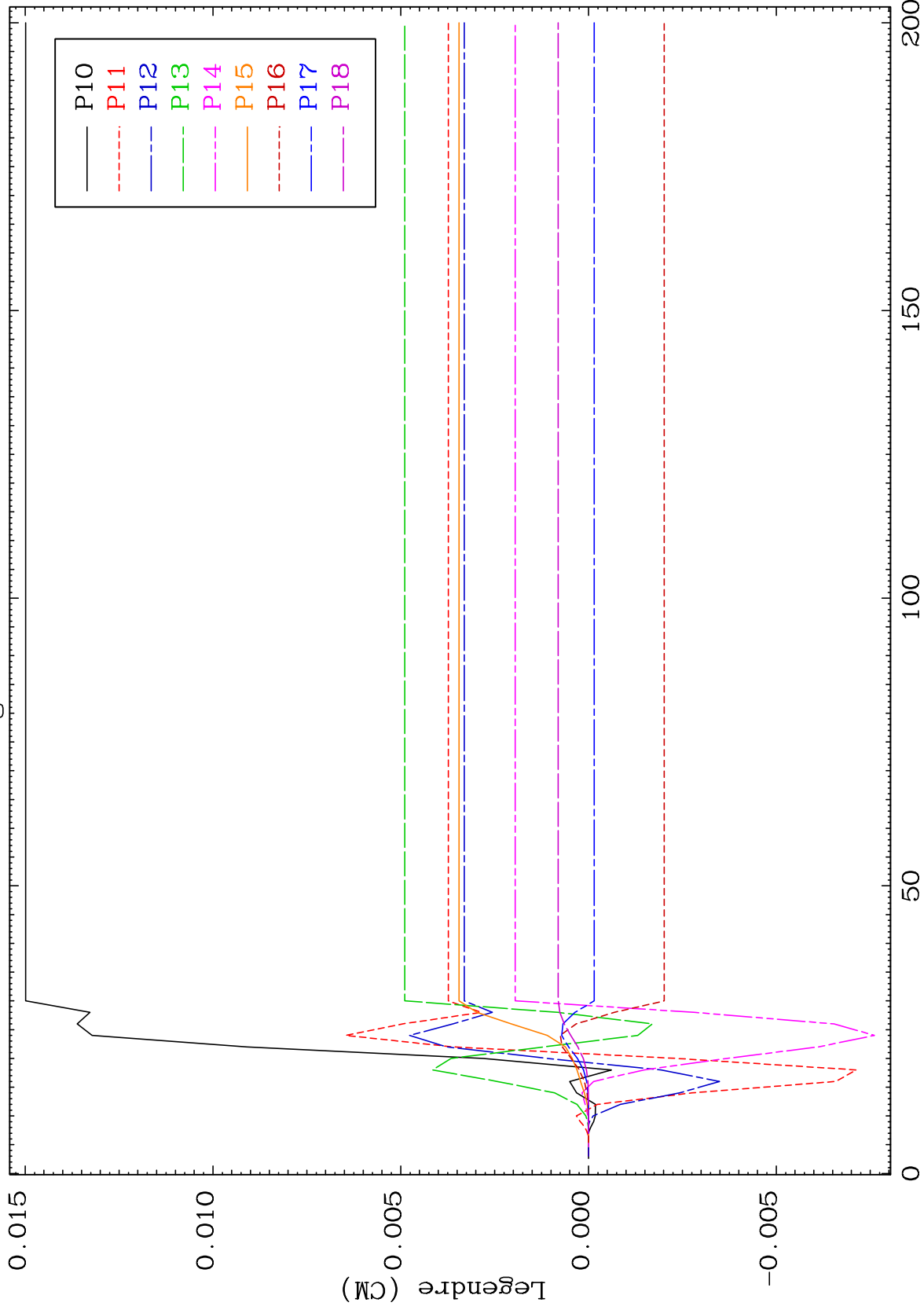
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



89

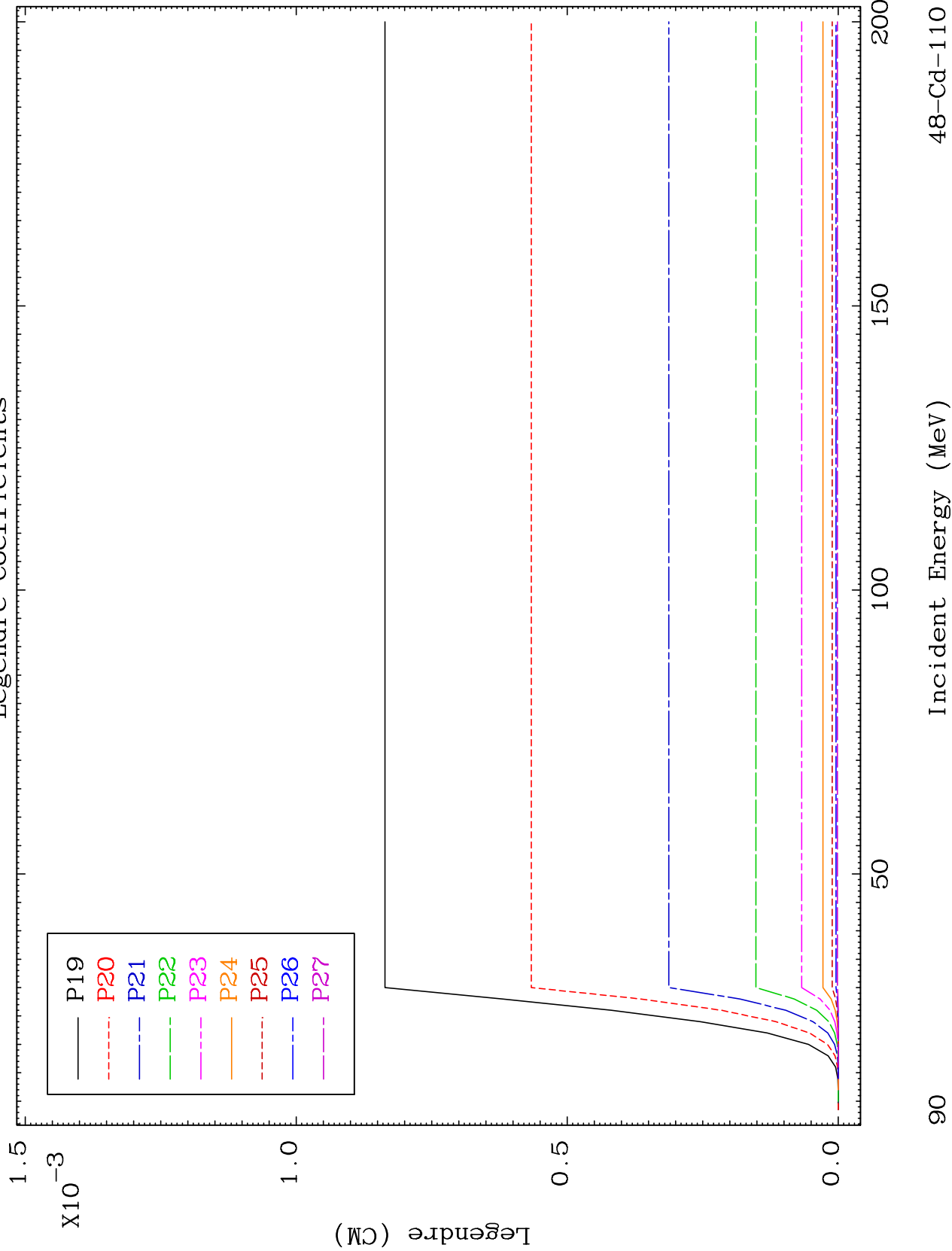
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

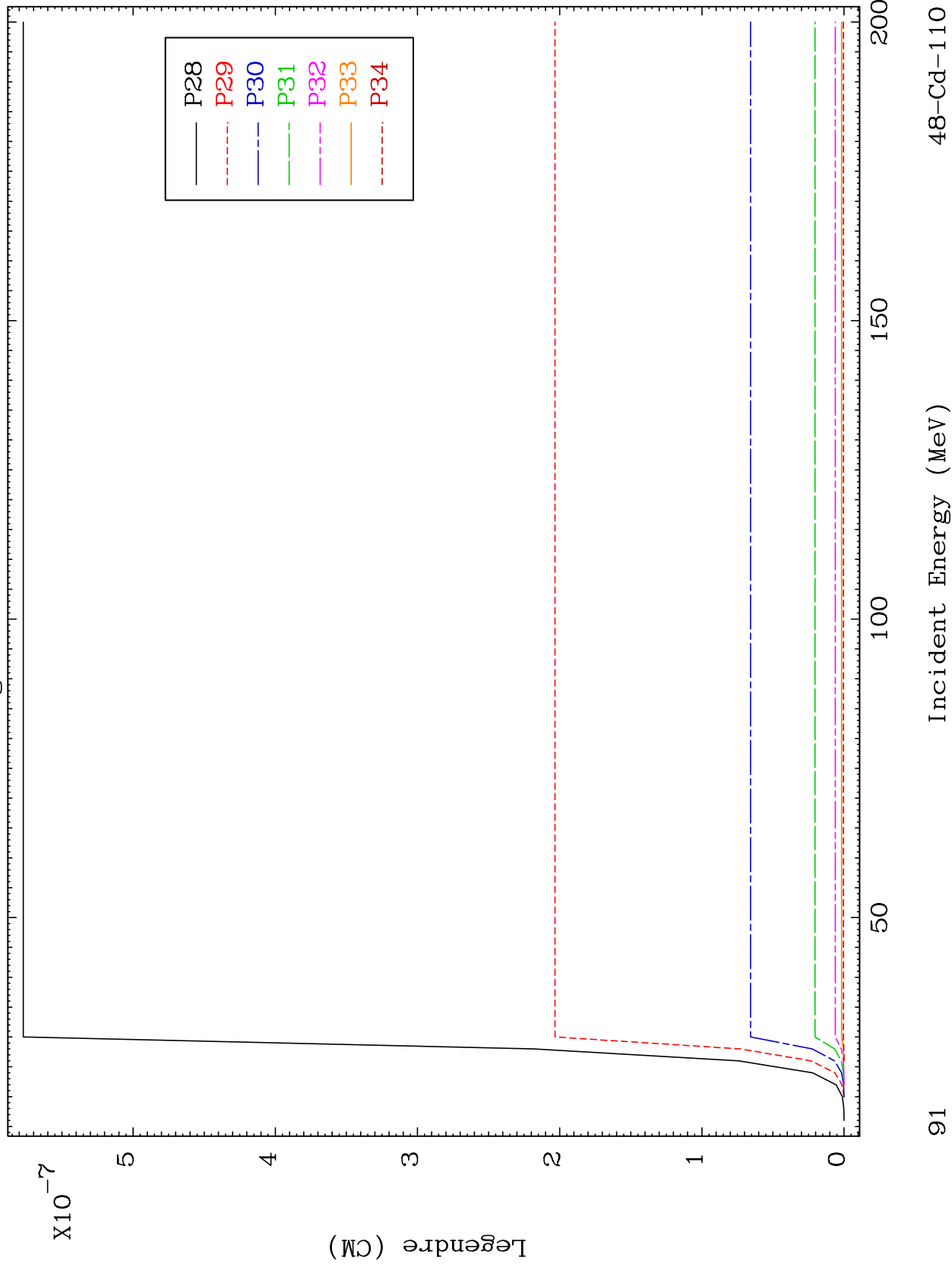
48-Cd-110



MAT 4837

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

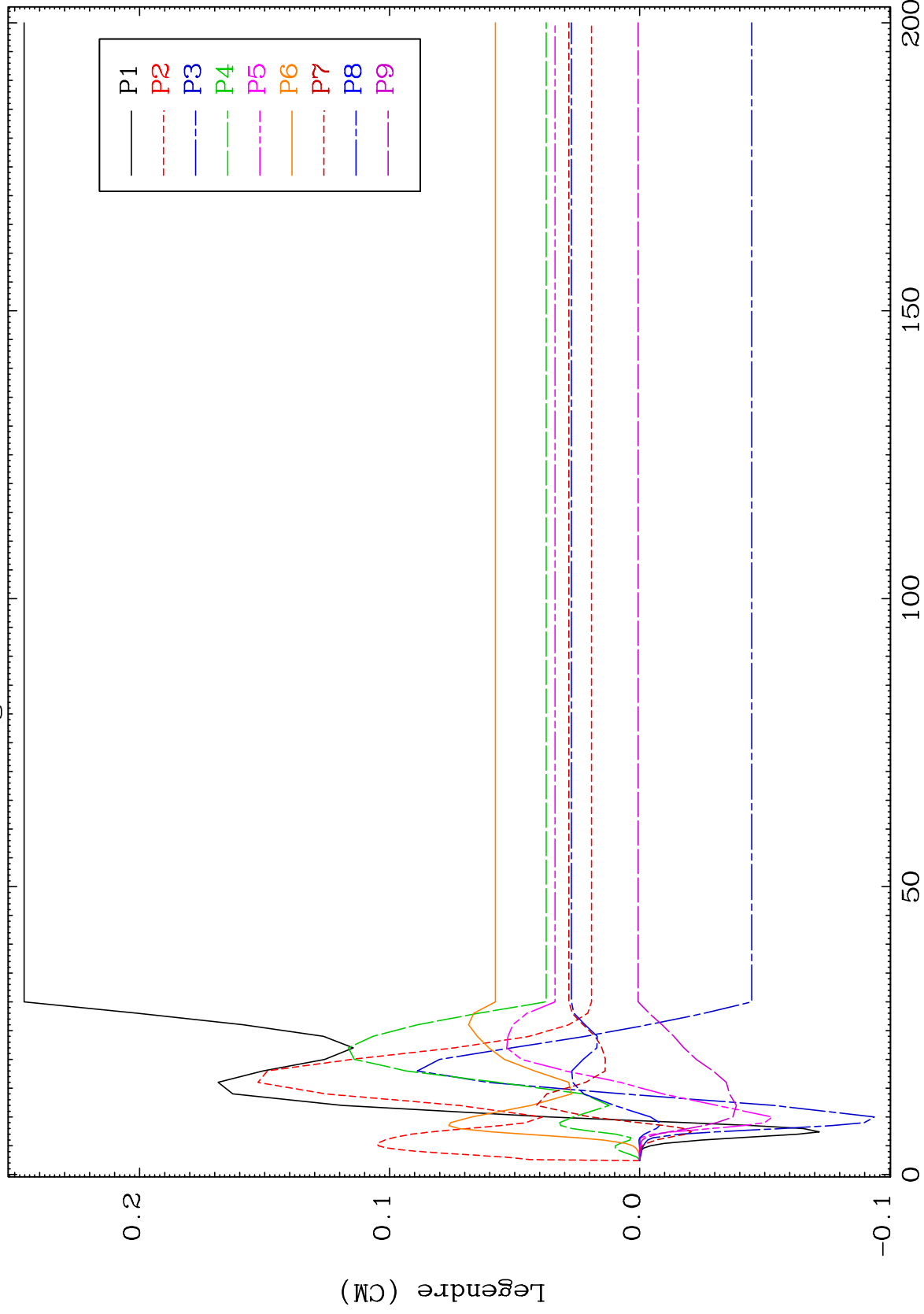
48-Cd-110



MAT 4837

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

48-Cd-110



92

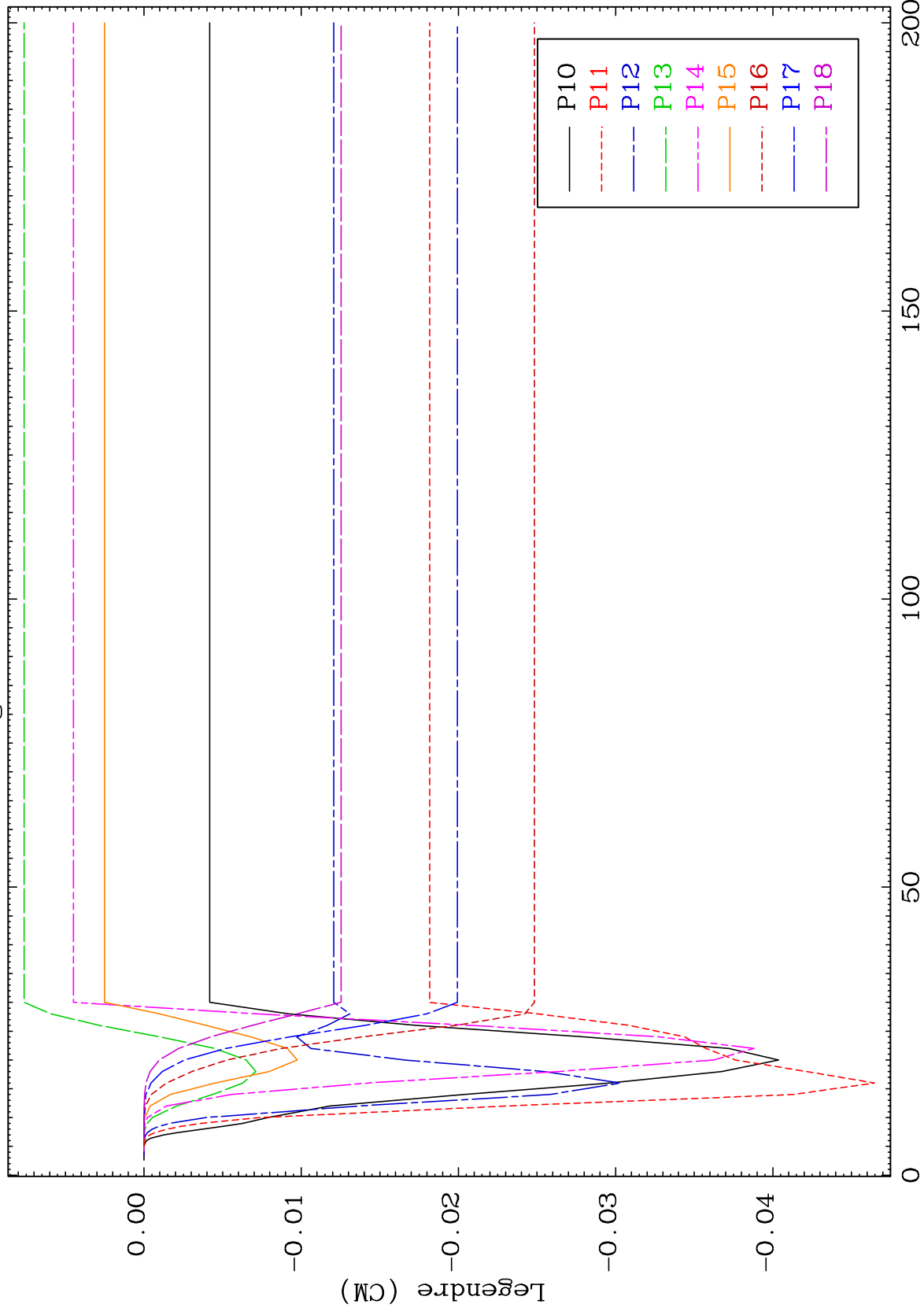
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

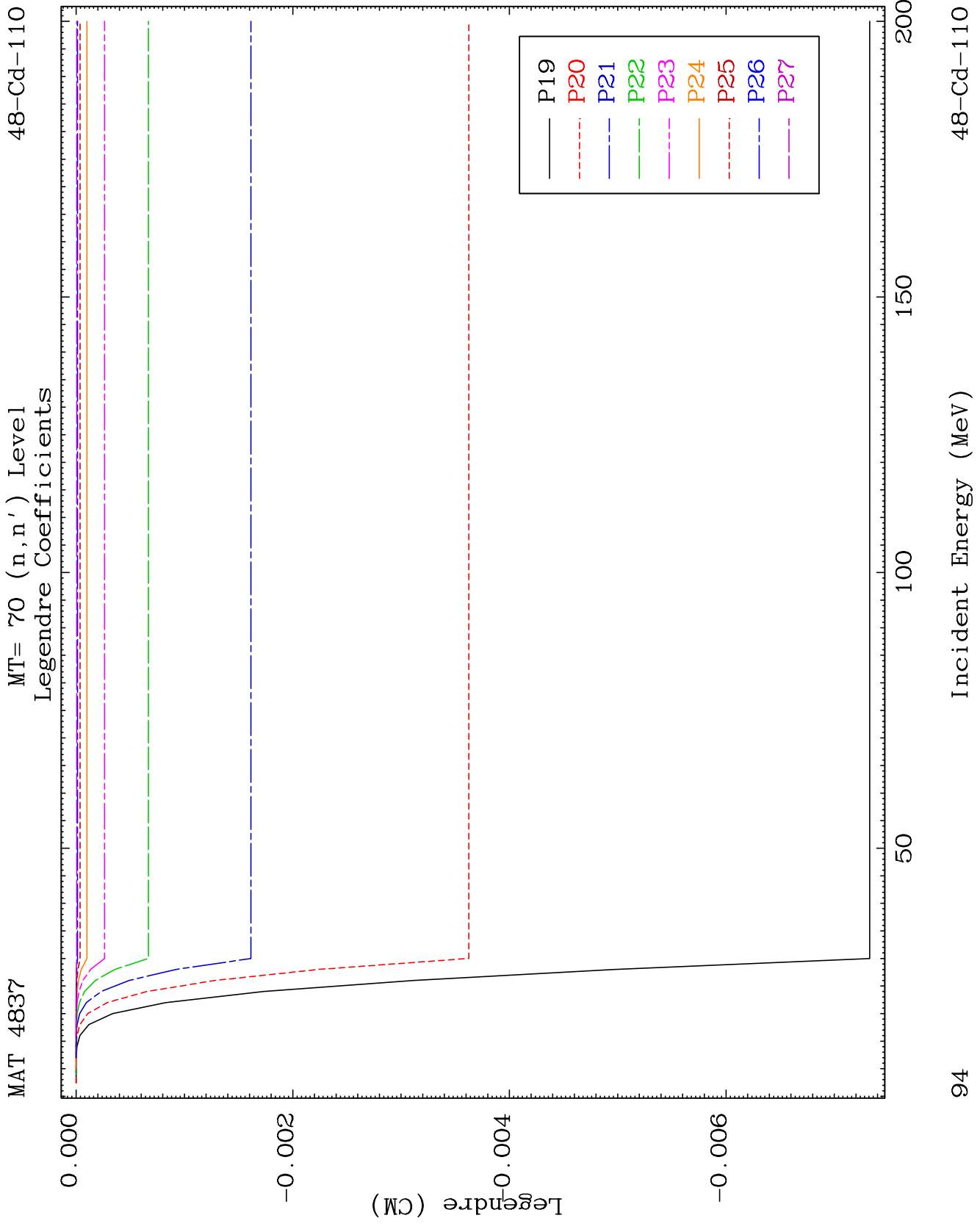
48-Cd-110

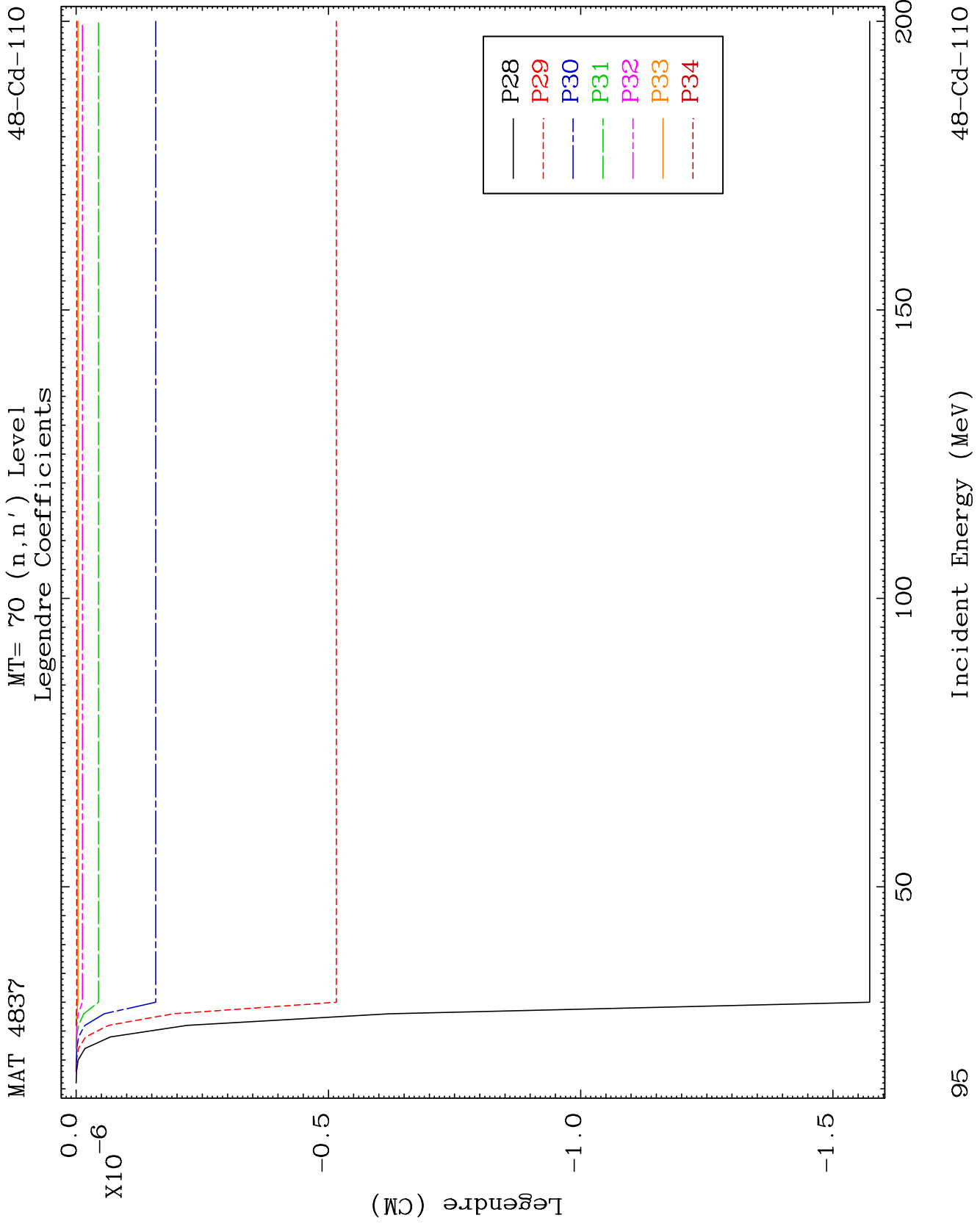


93

Incident Energy (MeV)

48-Cd-110

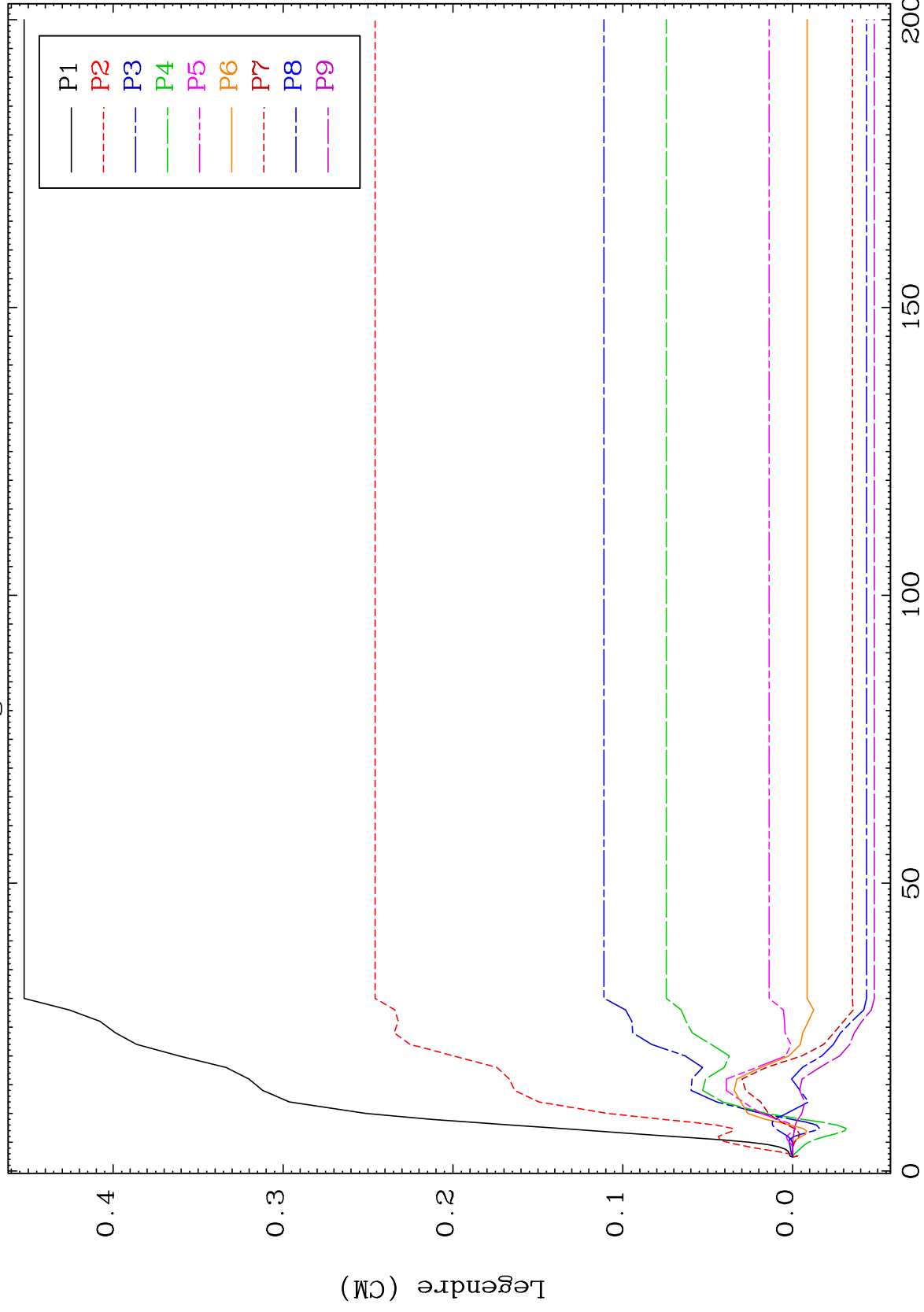




MAT 4837

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

48-Cd-110



96

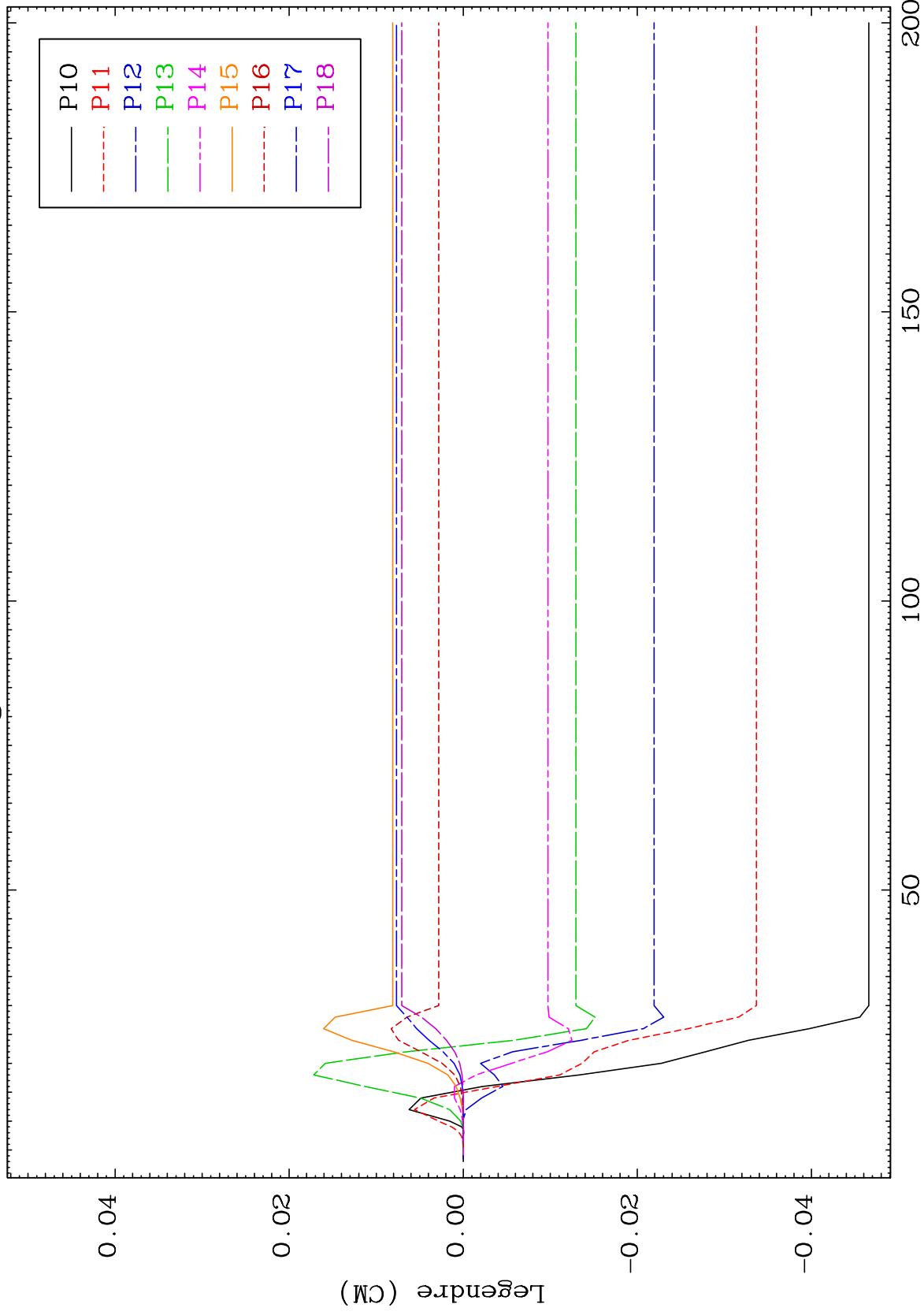
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



97

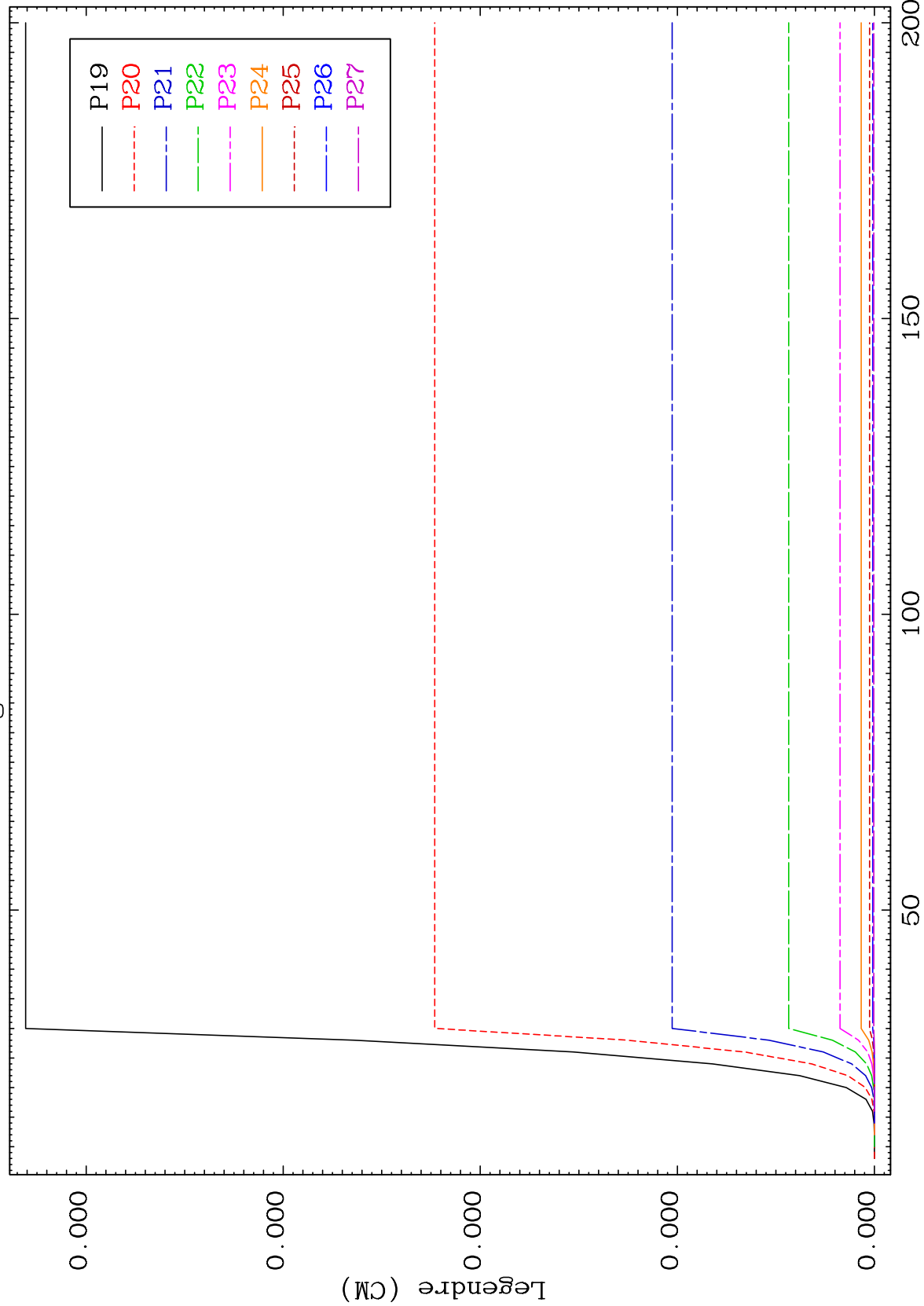
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



98

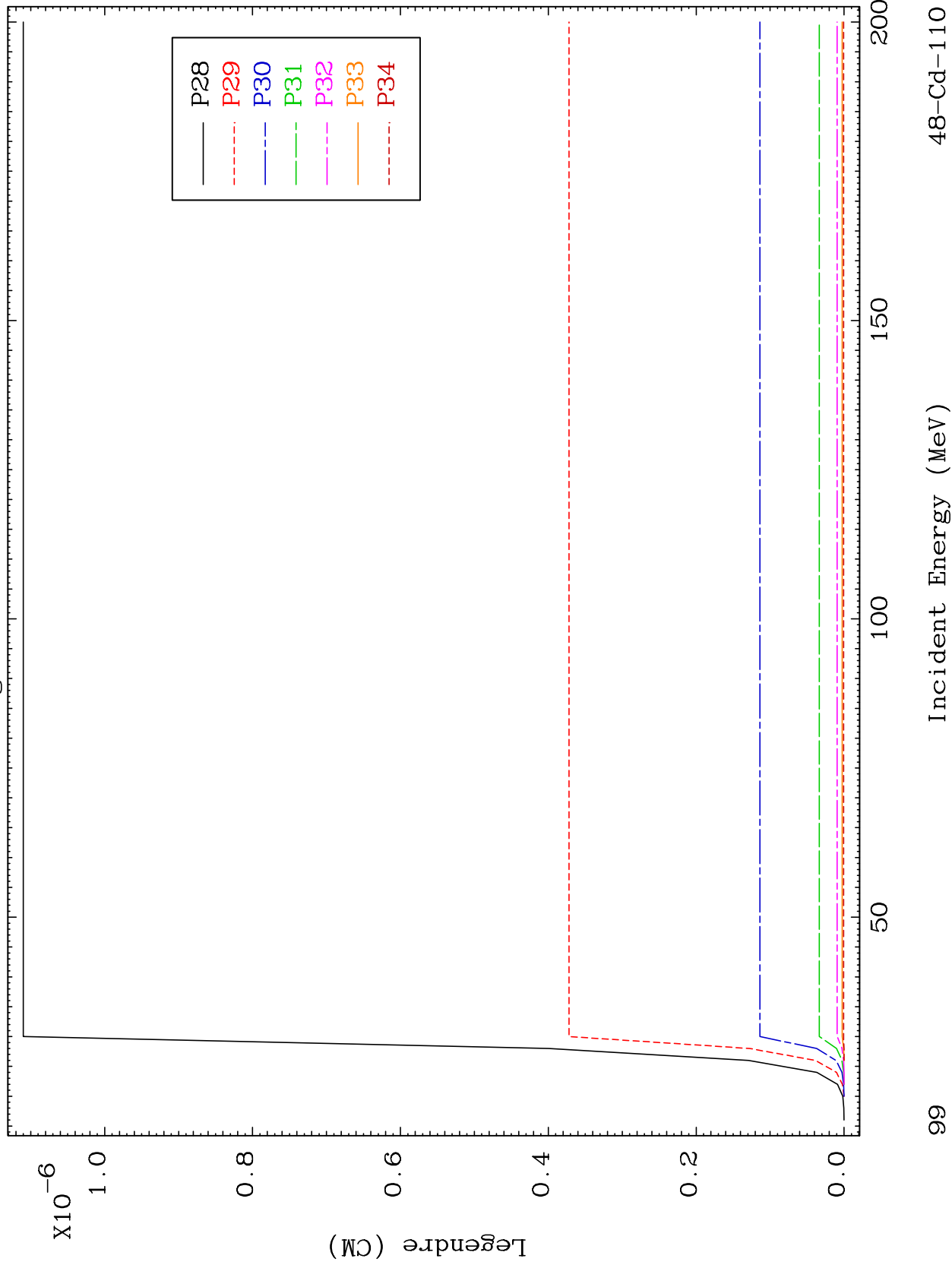
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

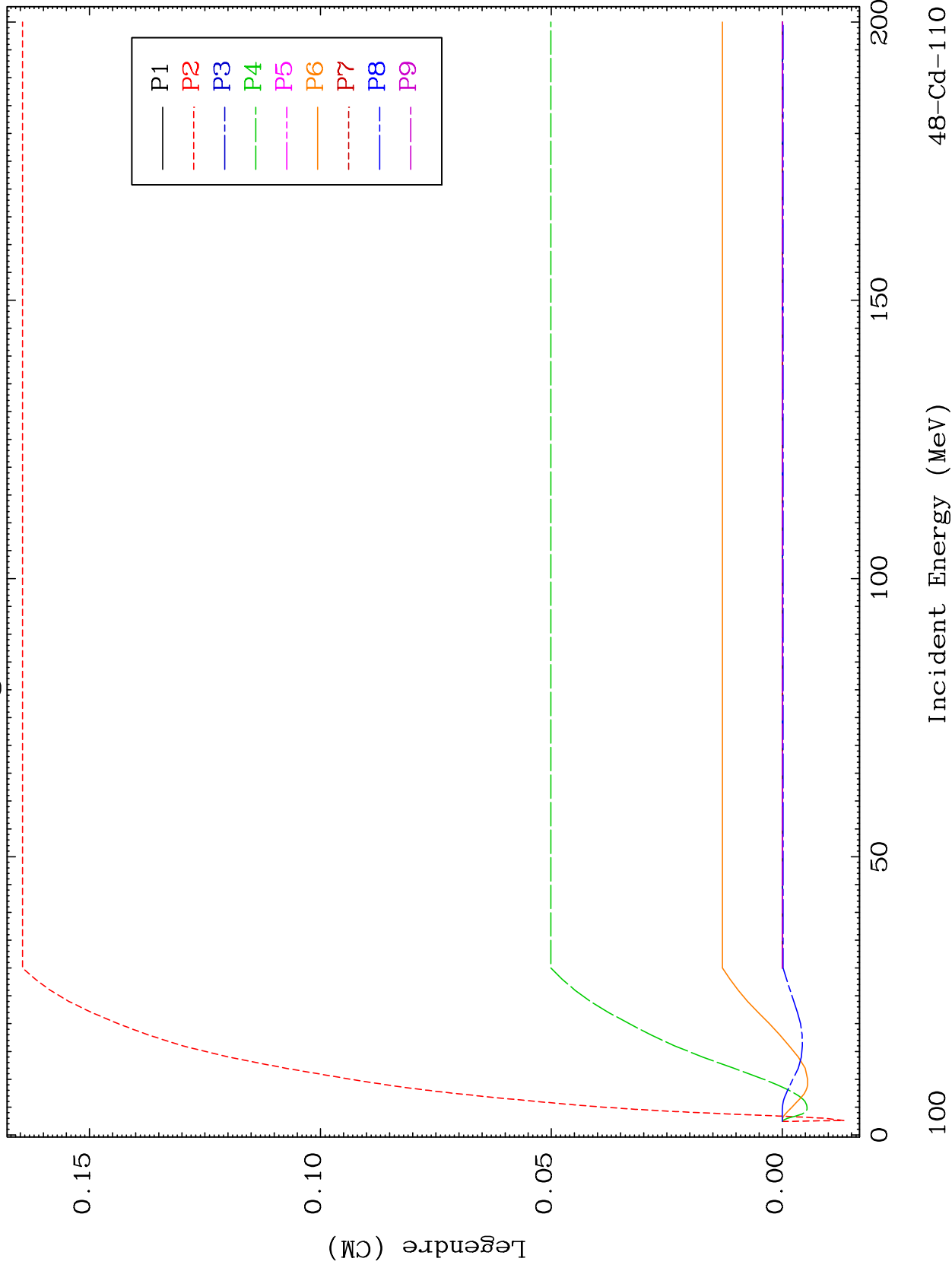
48-Cd-110



MAT 4837

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

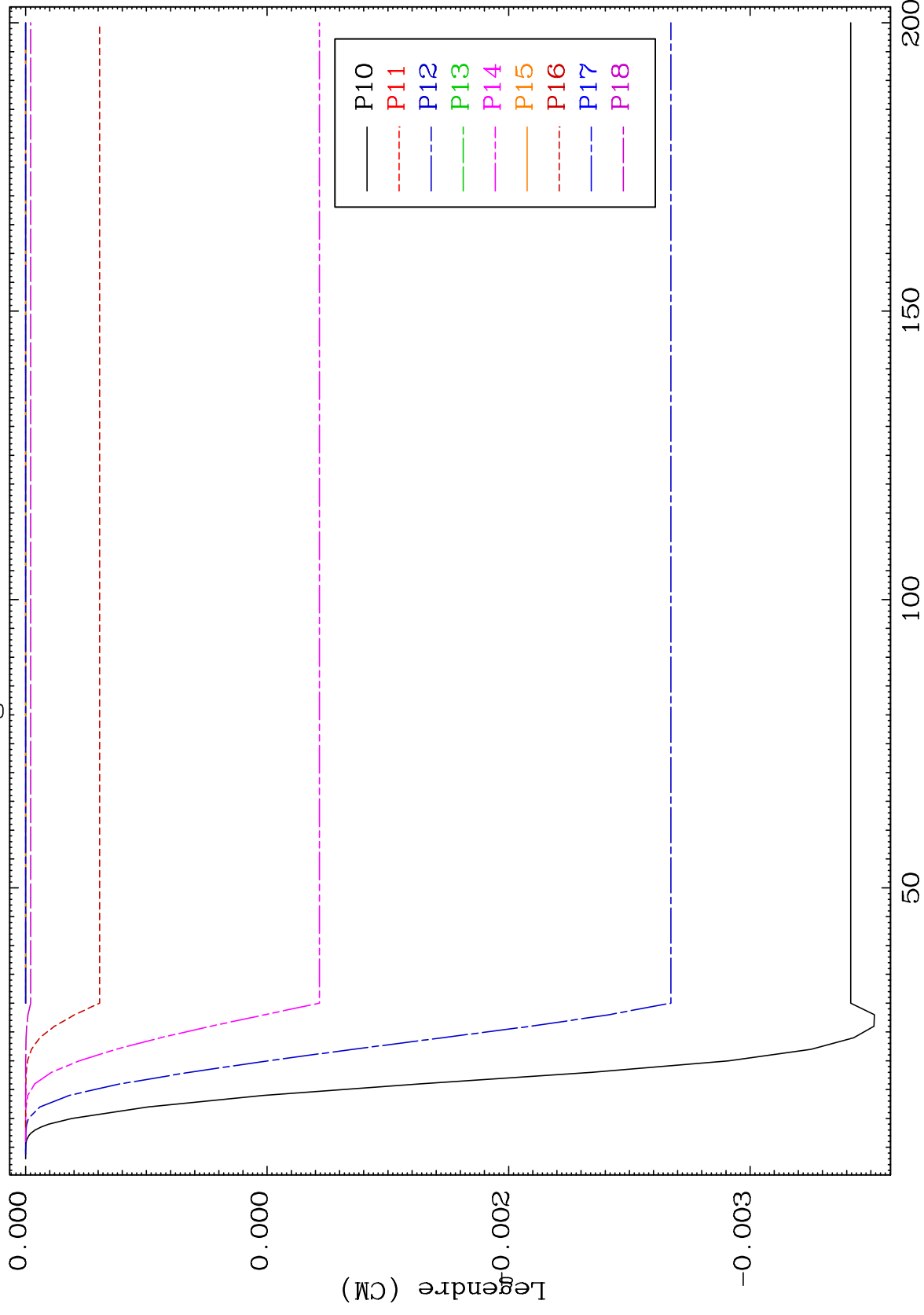
48-Cd-110



MAT 4837

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

48-Cd-110



101

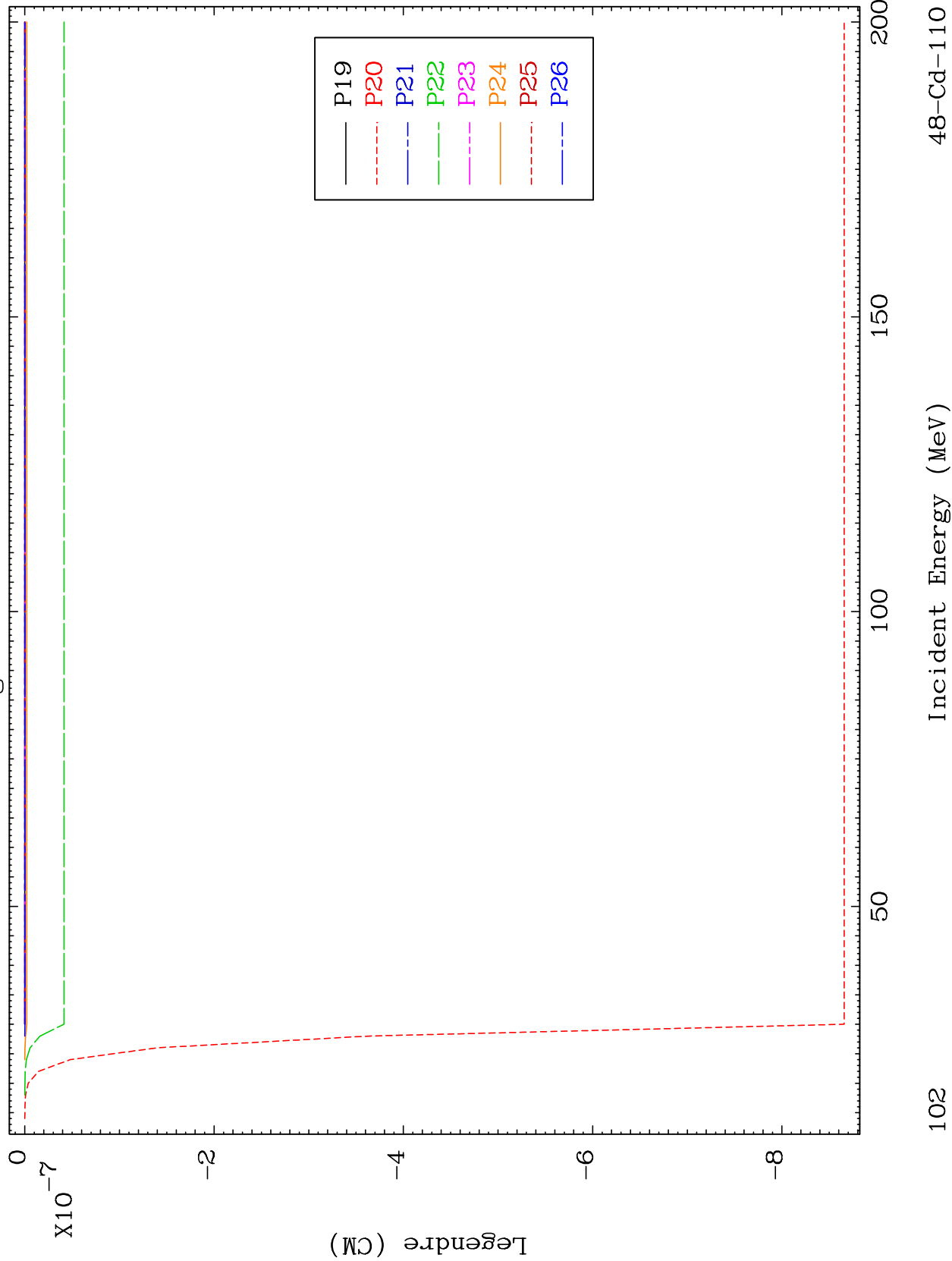
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



102

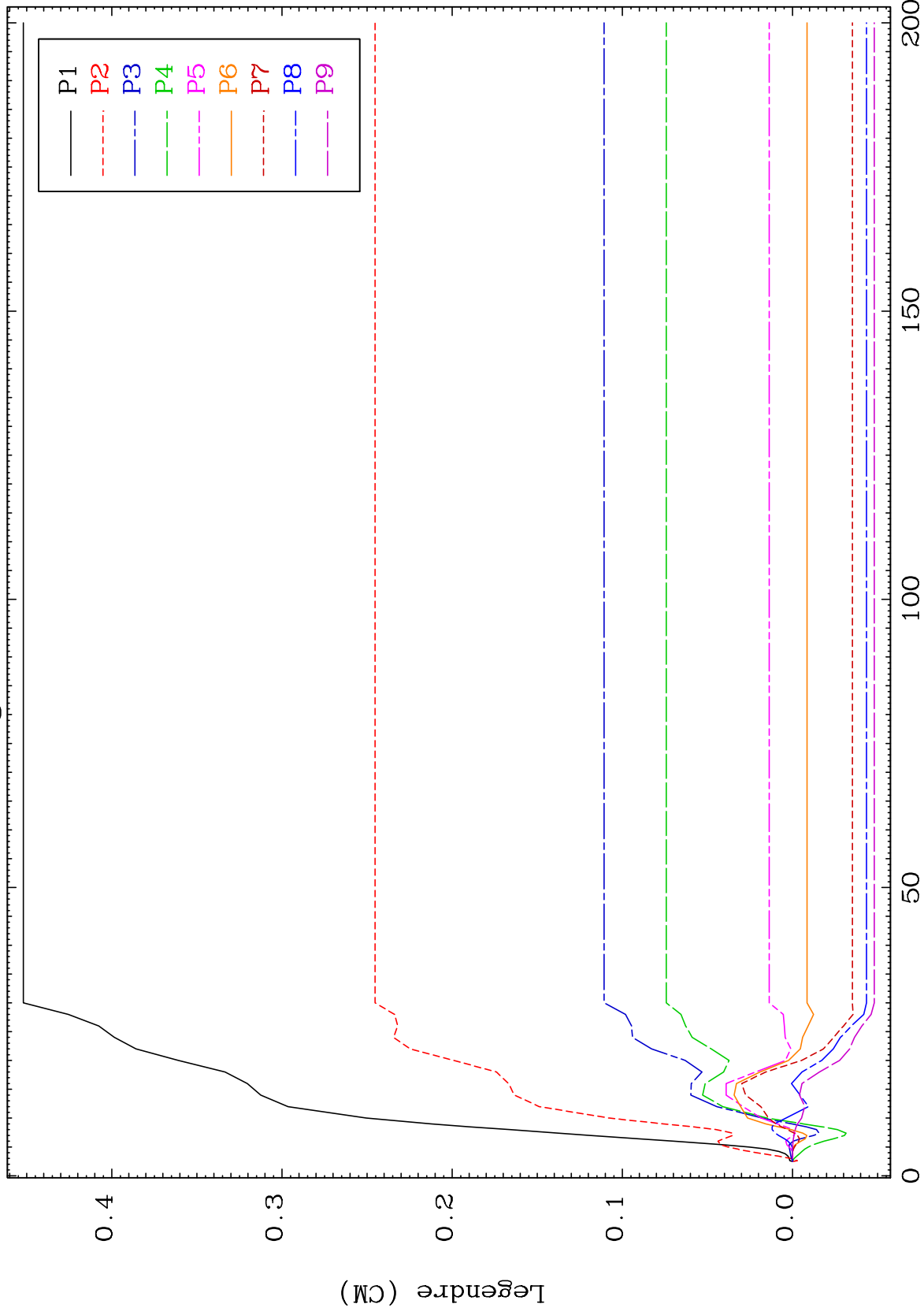
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



103

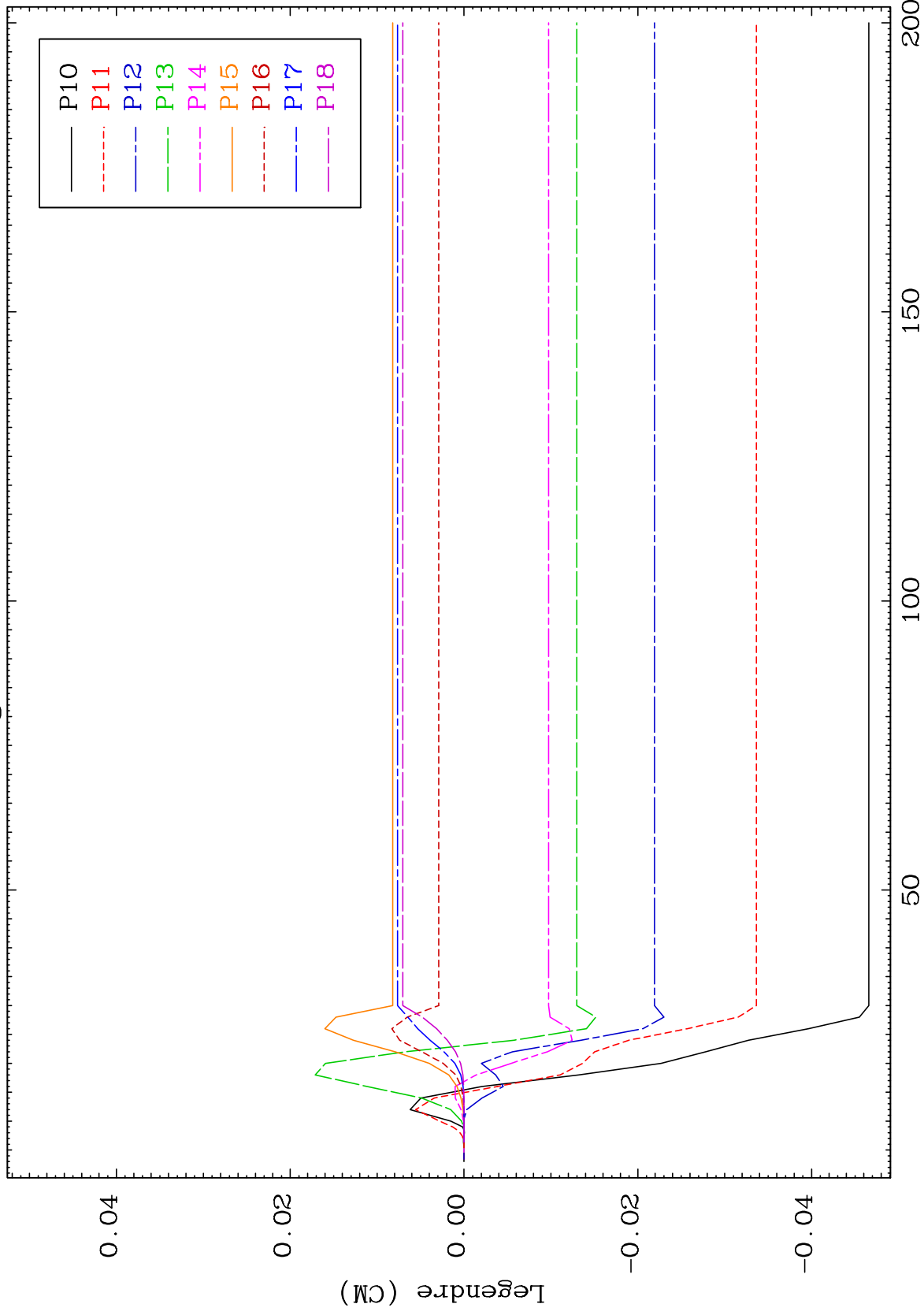
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



104

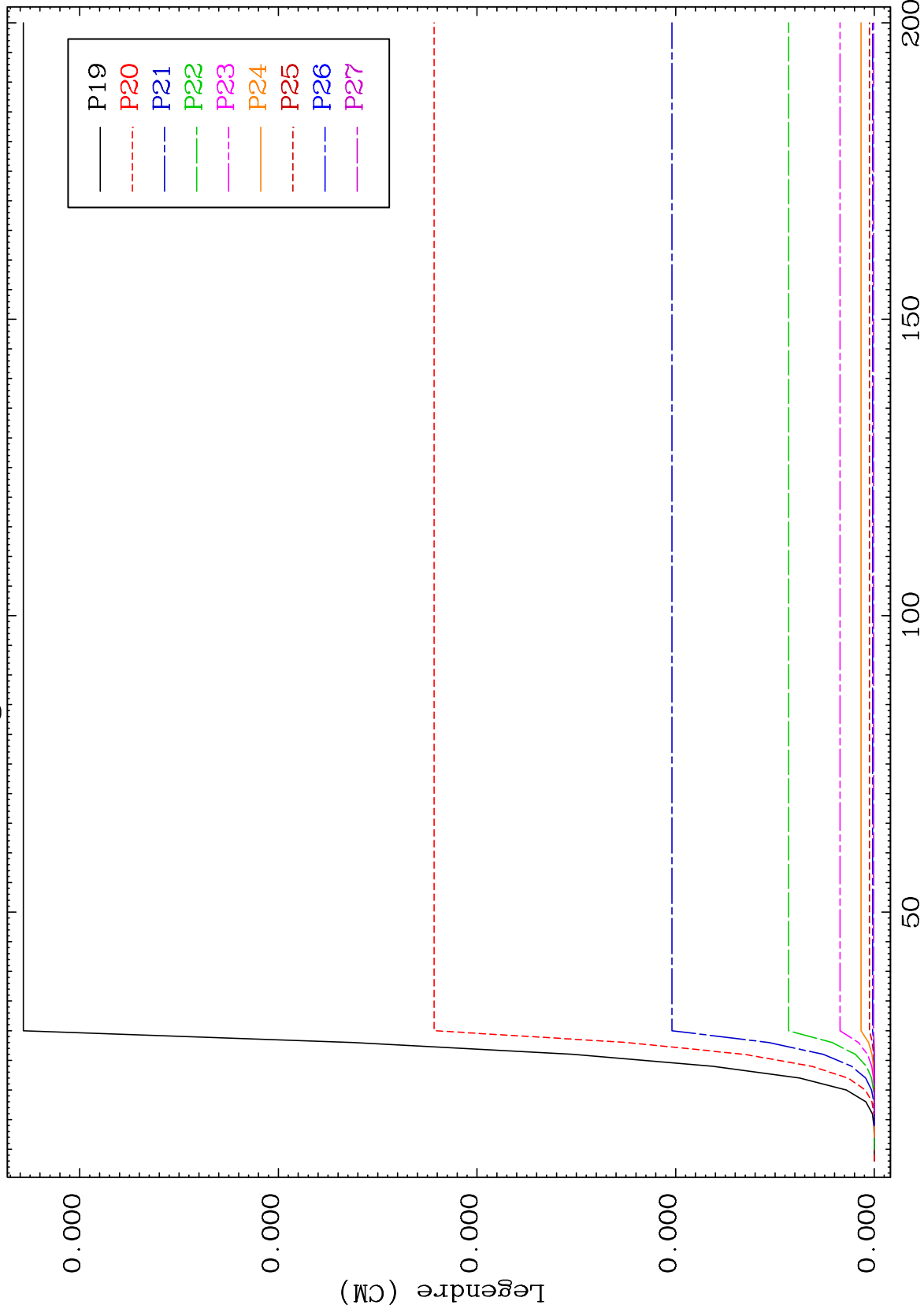
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



105

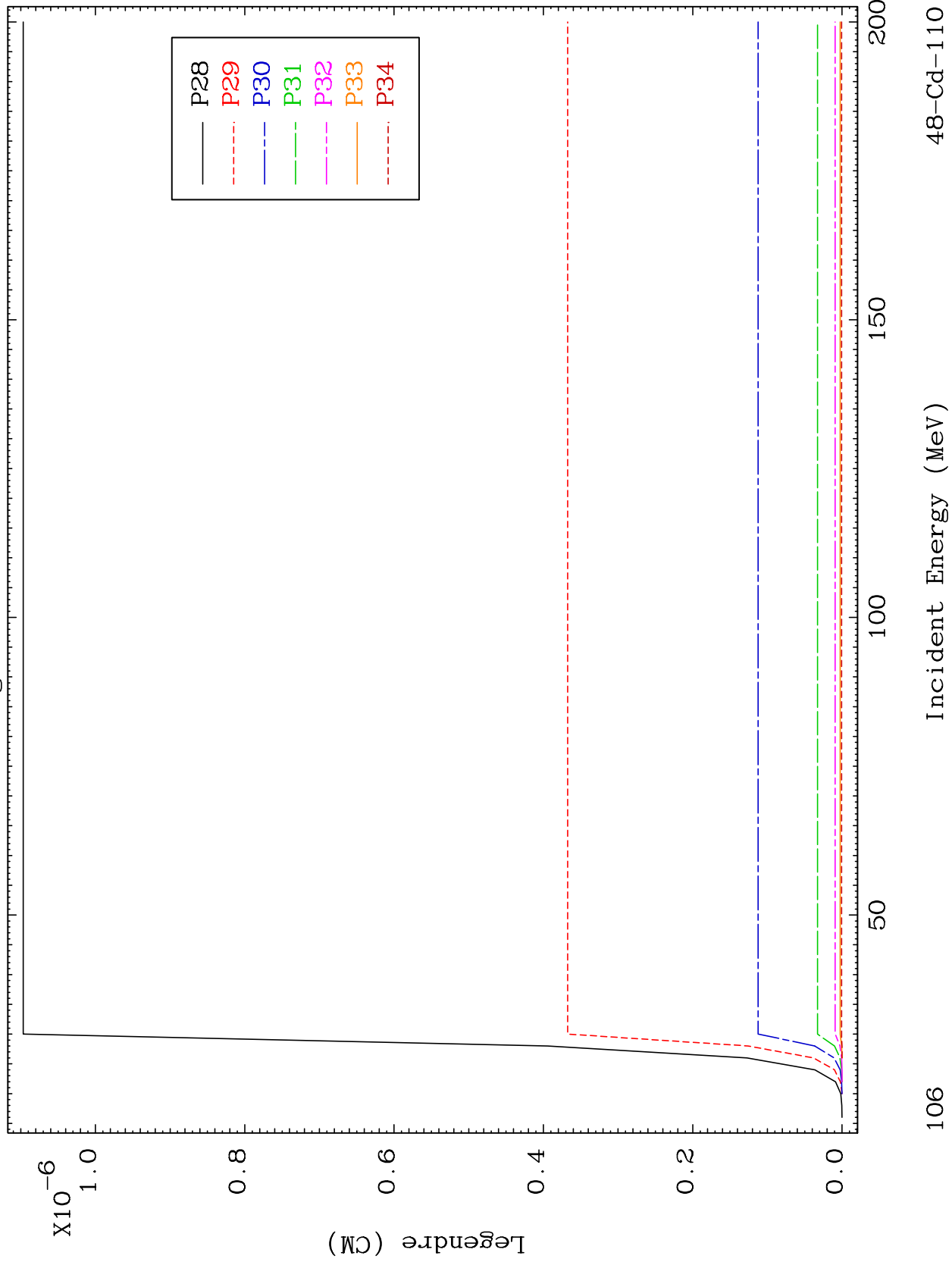
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



106

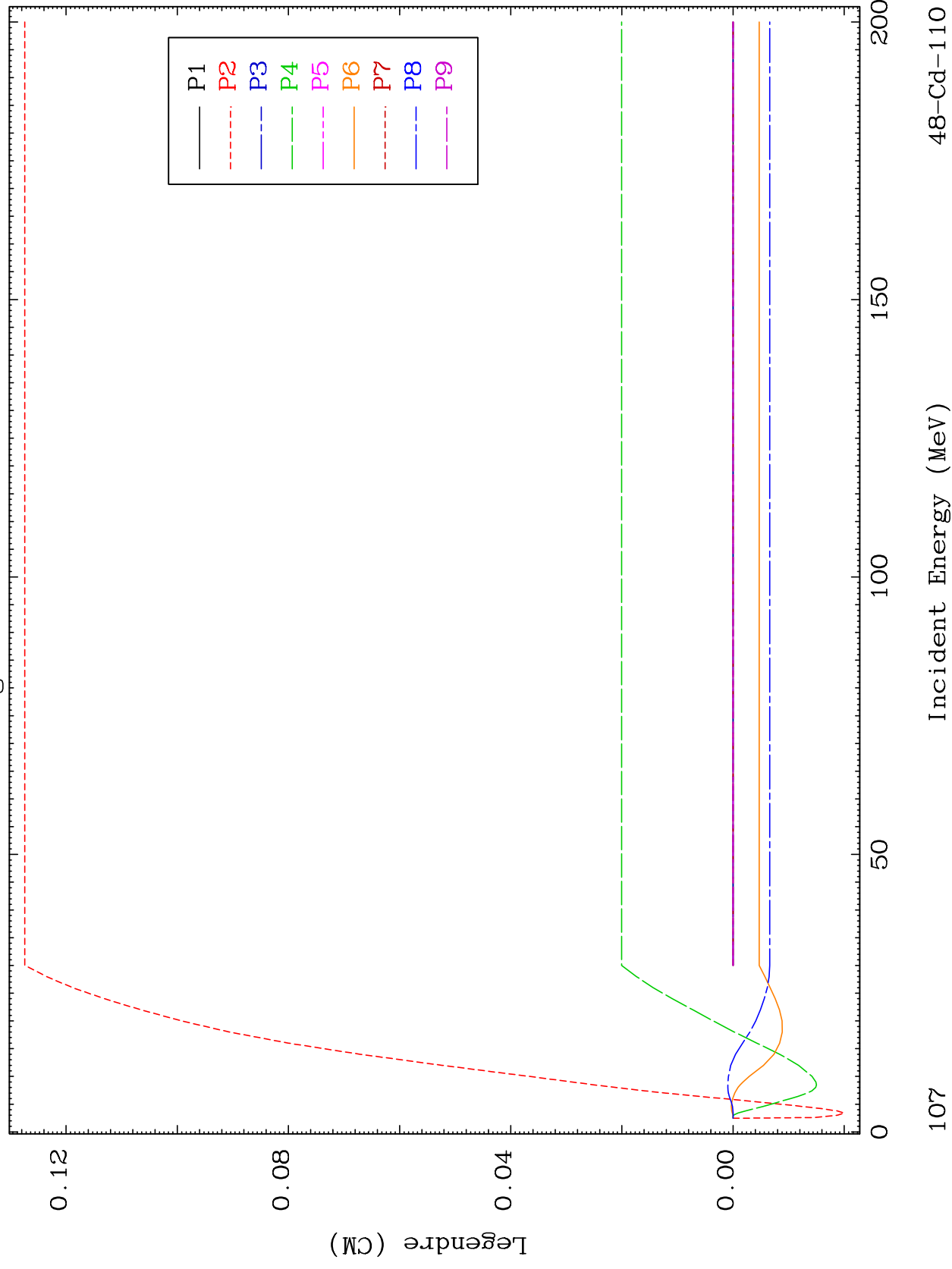
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



107

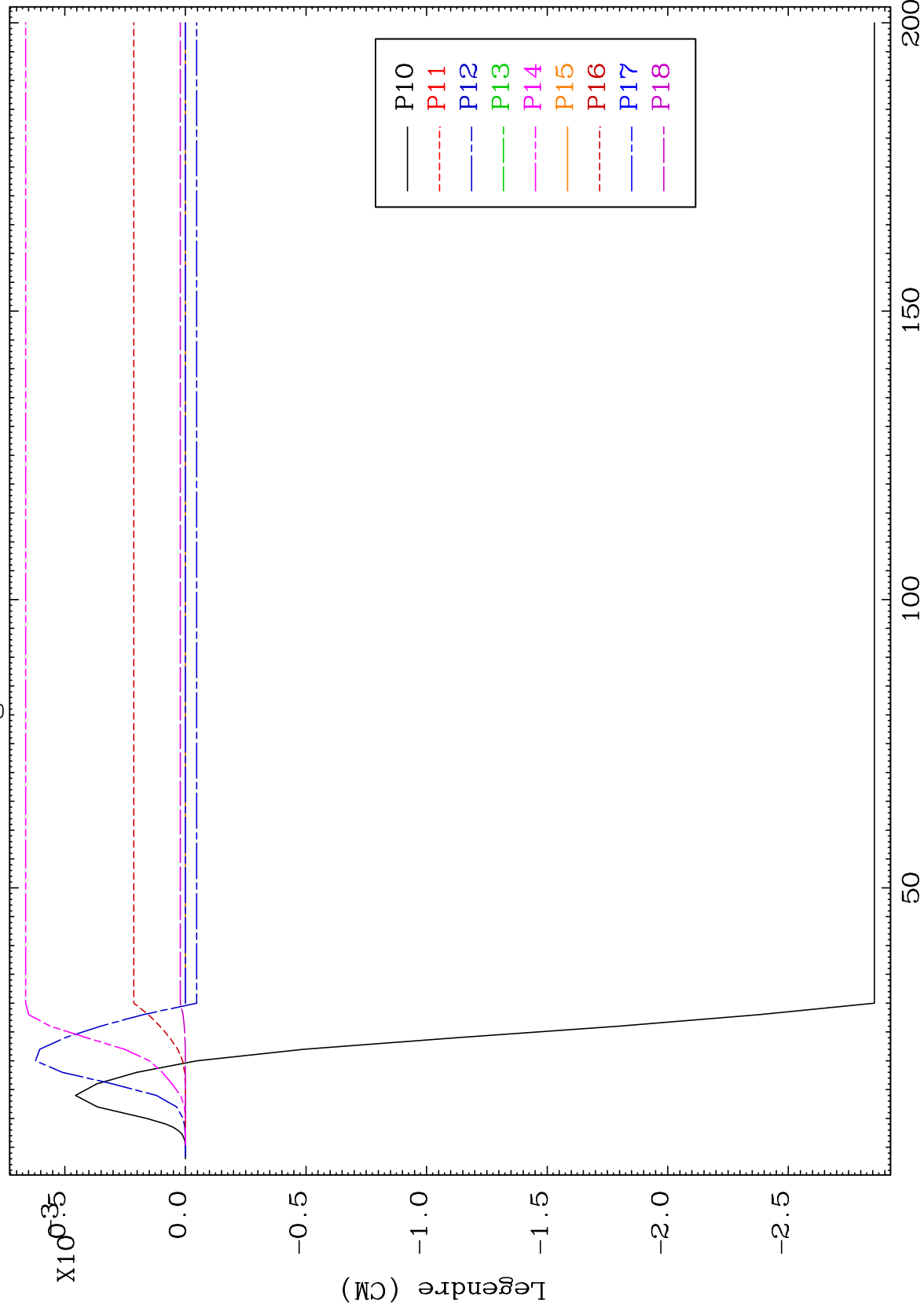
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

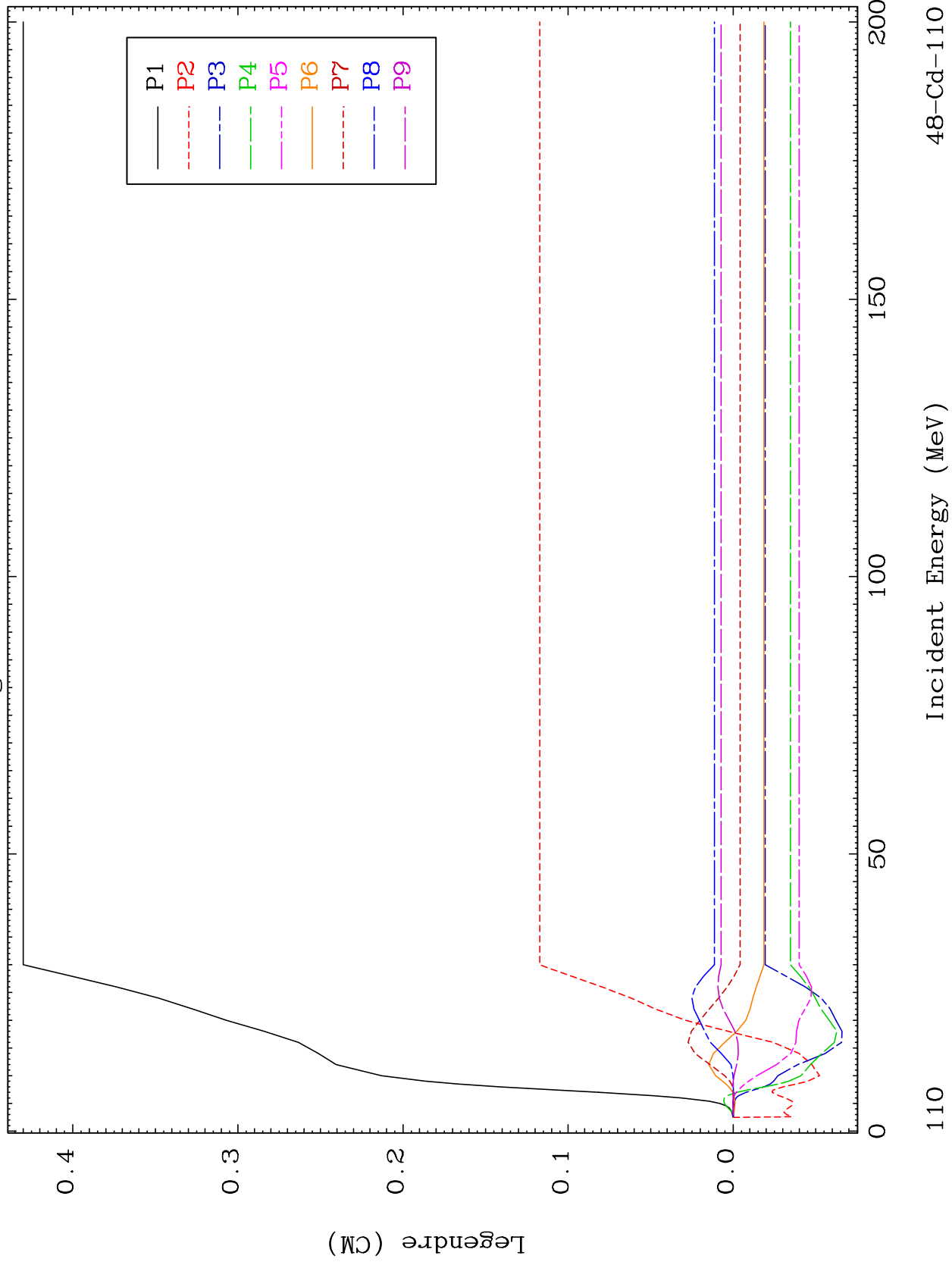
48-Cd-110



MAT 4837

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

48-Cd-110



48-Cd-110

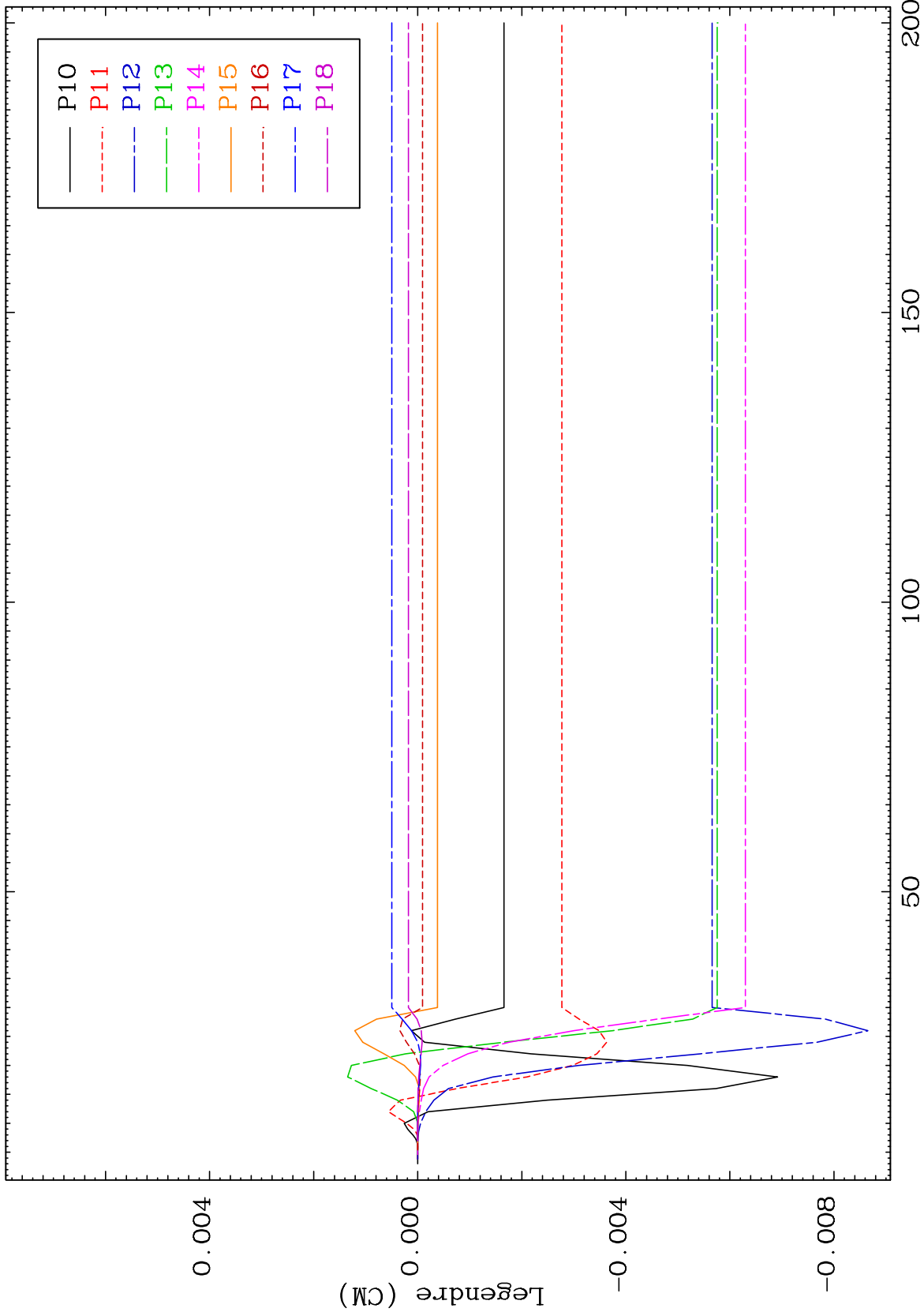
Incident Energy (MeV)

110

MAT 4837

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

48-Cd-110



111

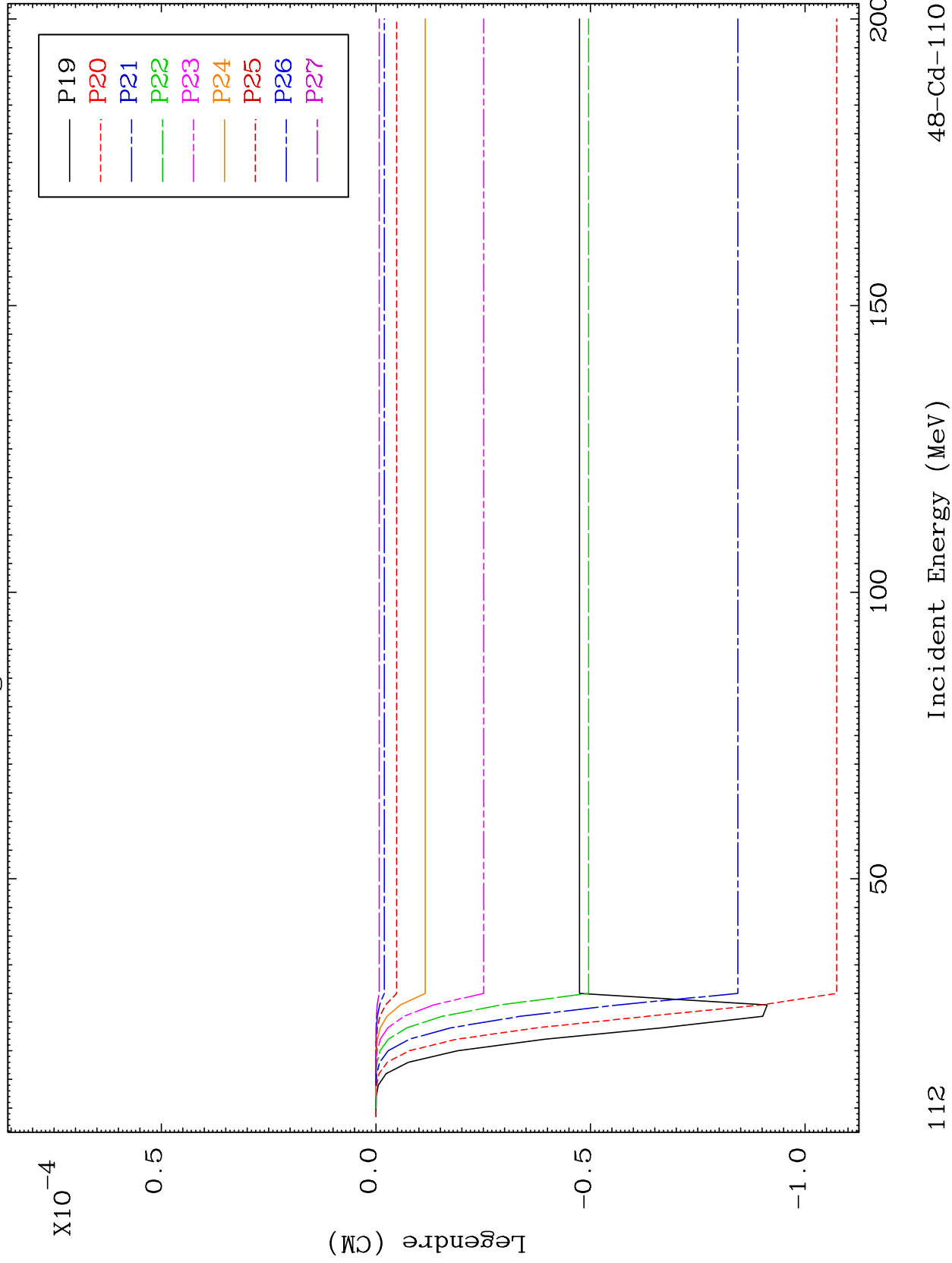
Incident Energy (MeV)

48-Cd-110

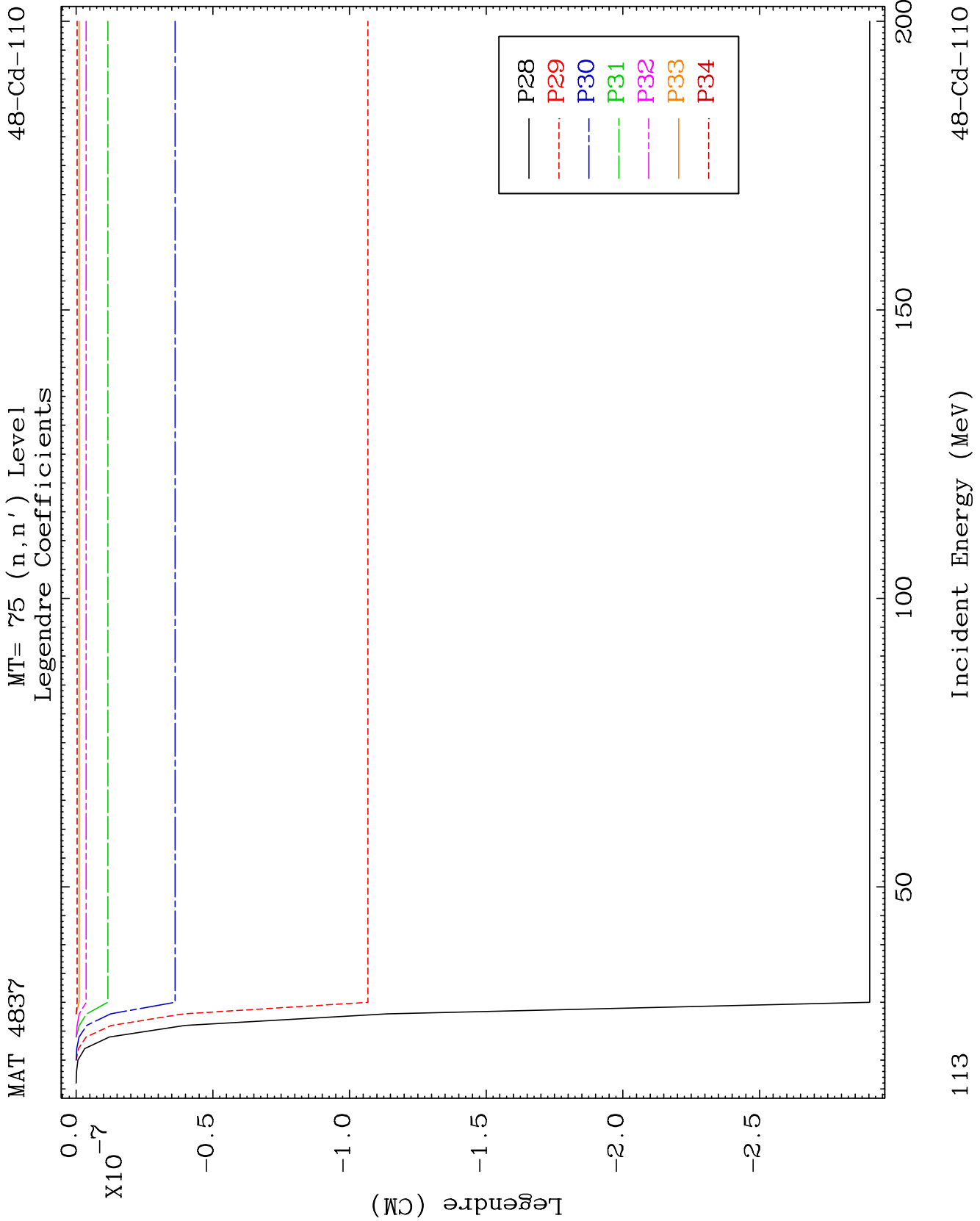
MAT 4837

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

48-Cd-110



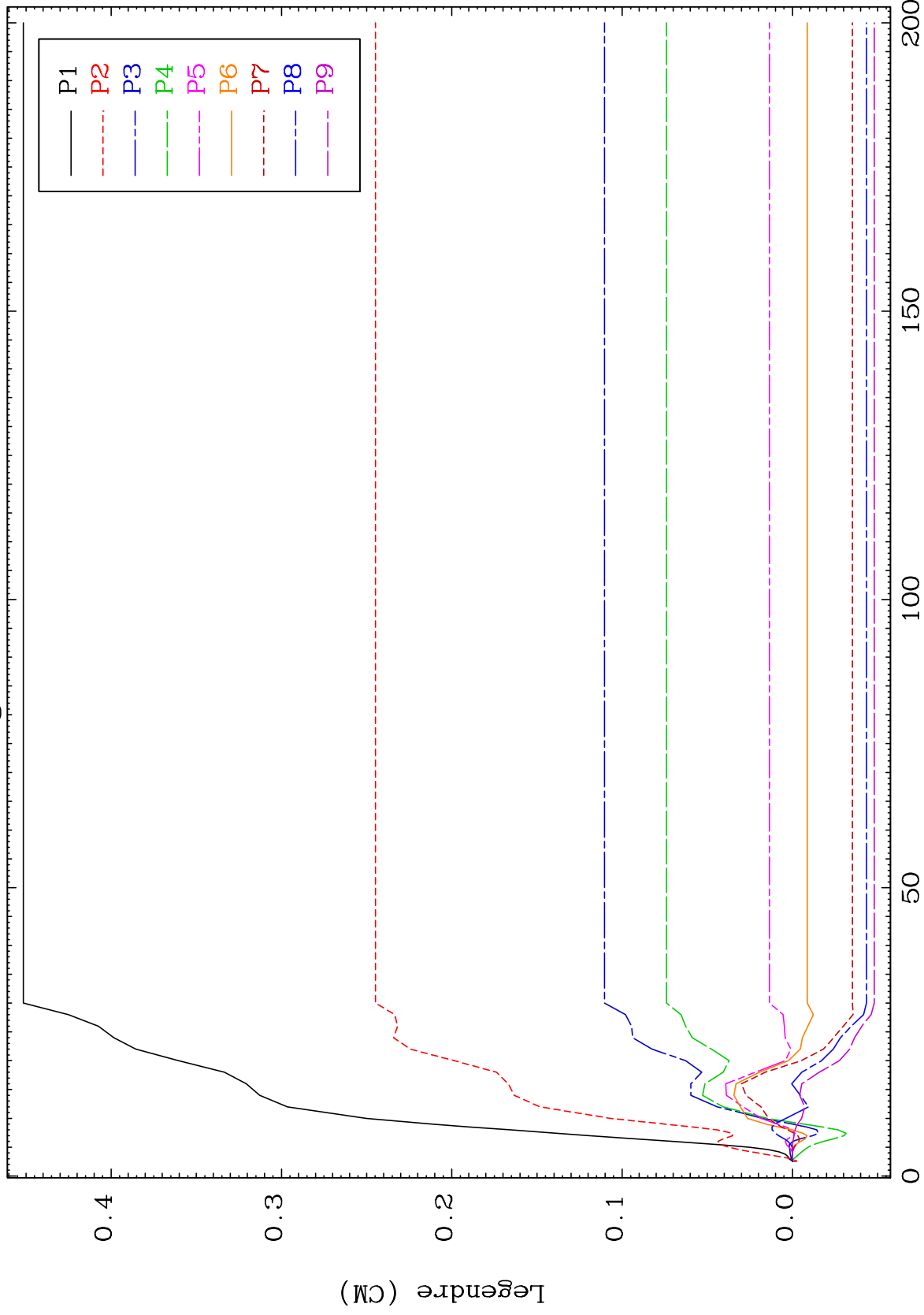
112



MAT 4837

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

48-Cd-110



114

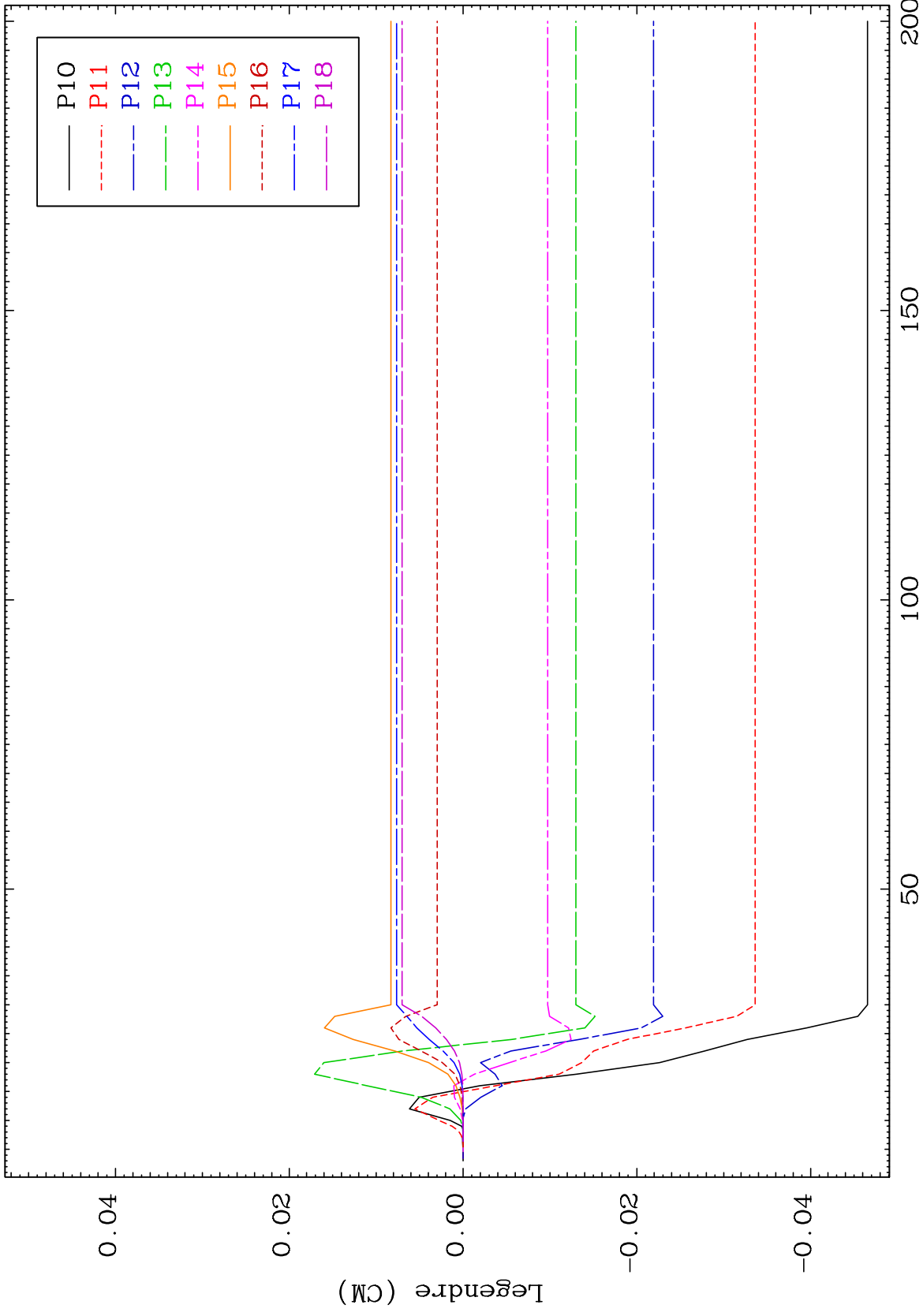
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



115

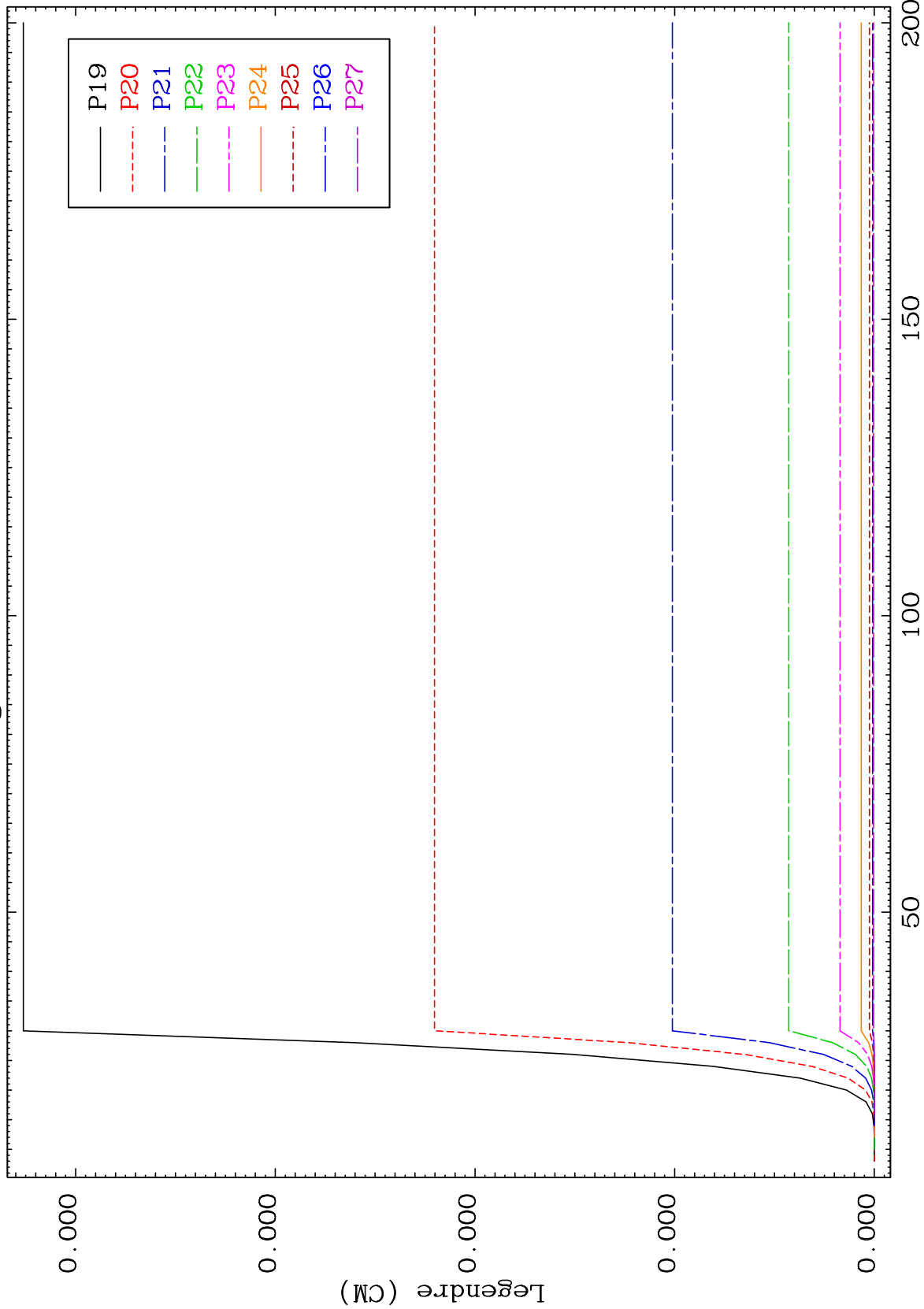
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



116

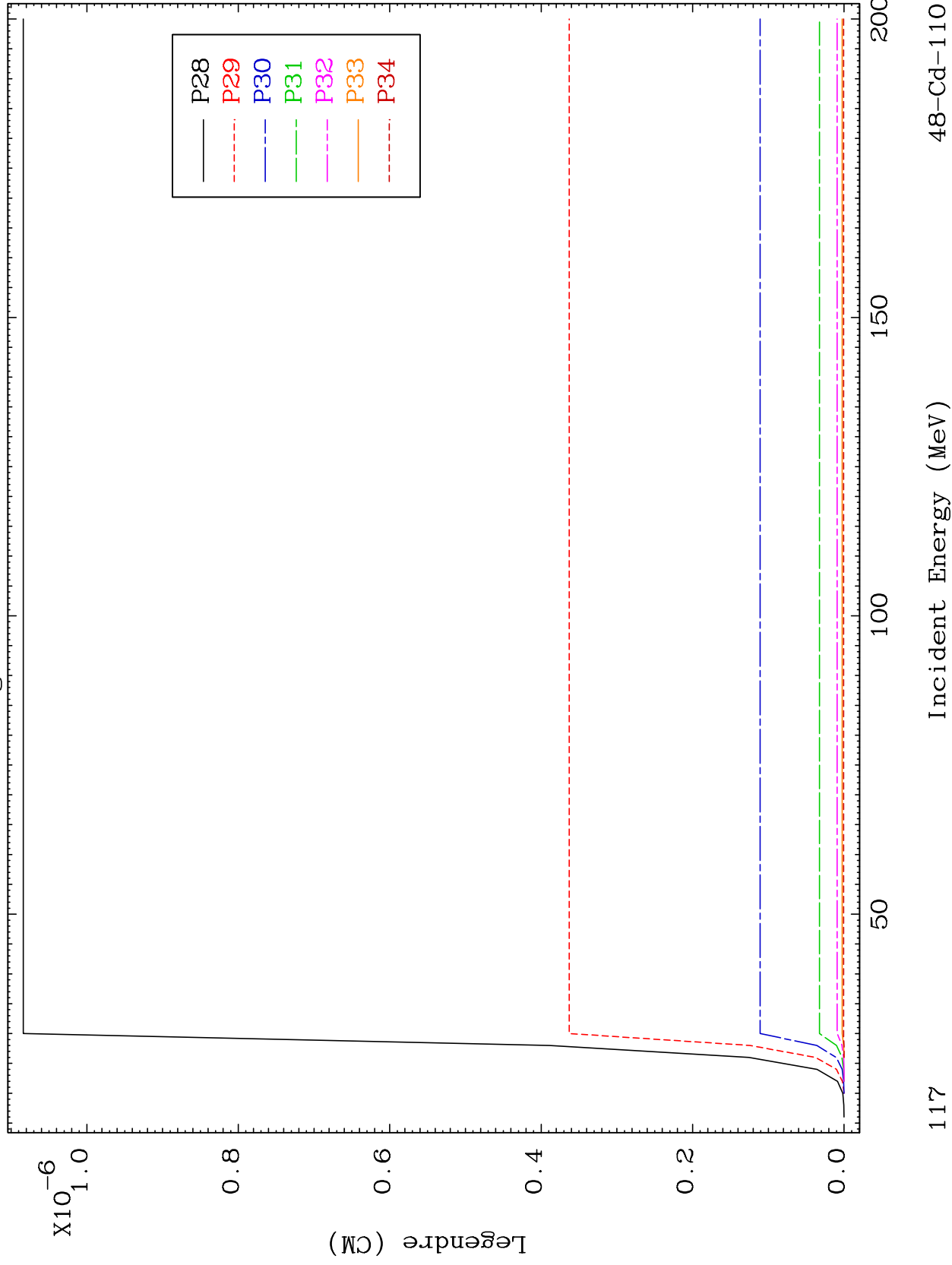
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



117

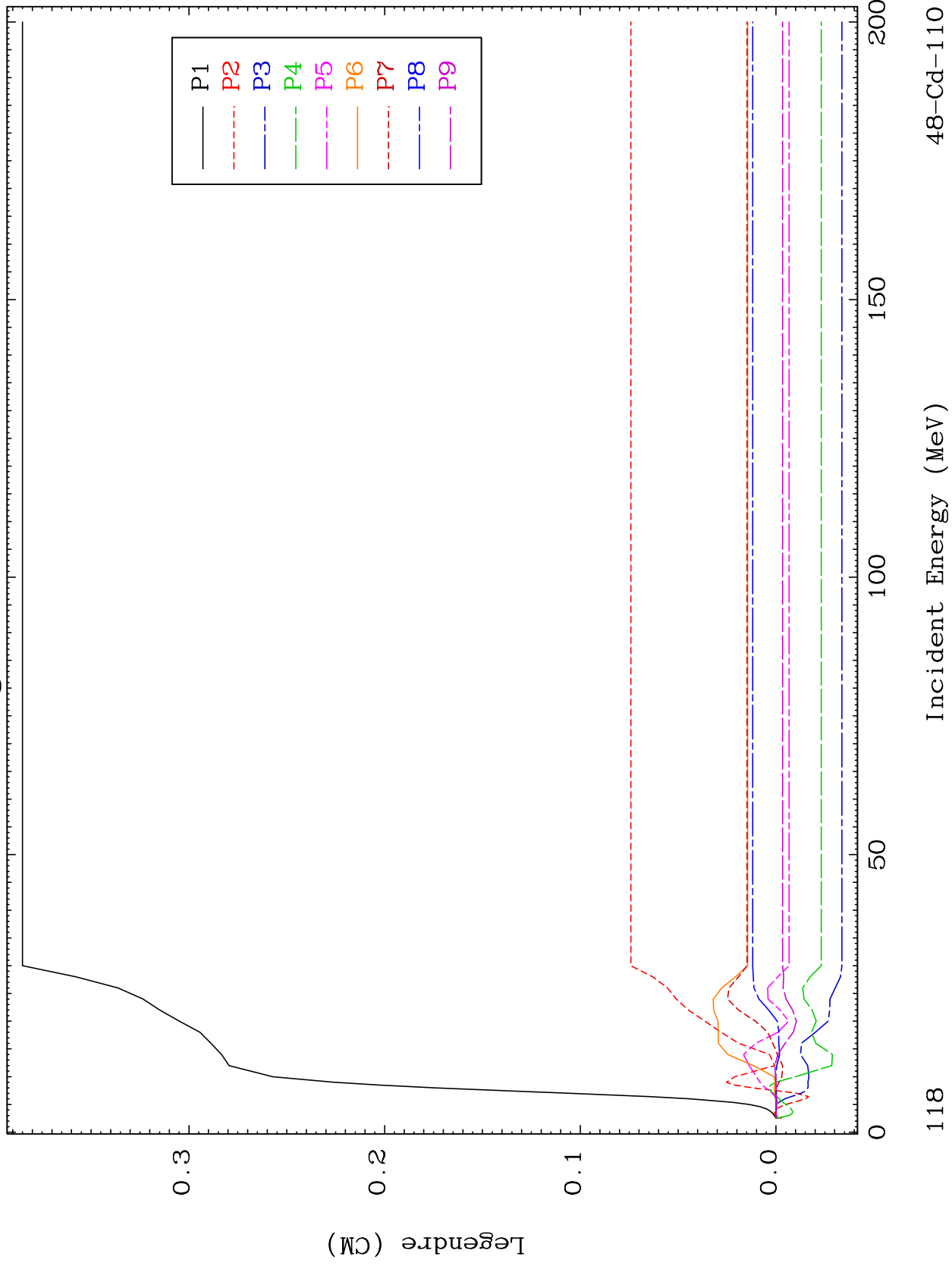
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



118

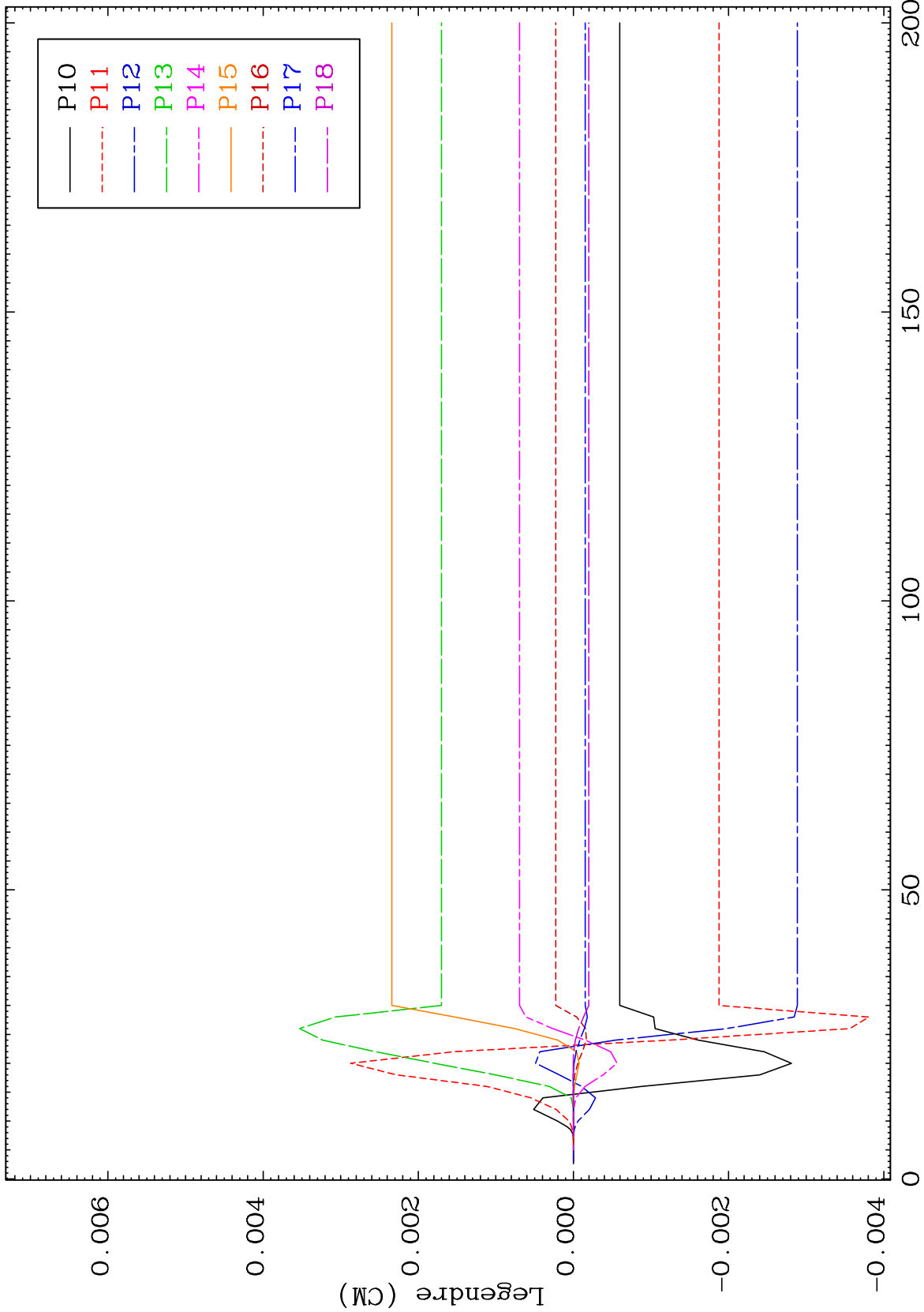
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



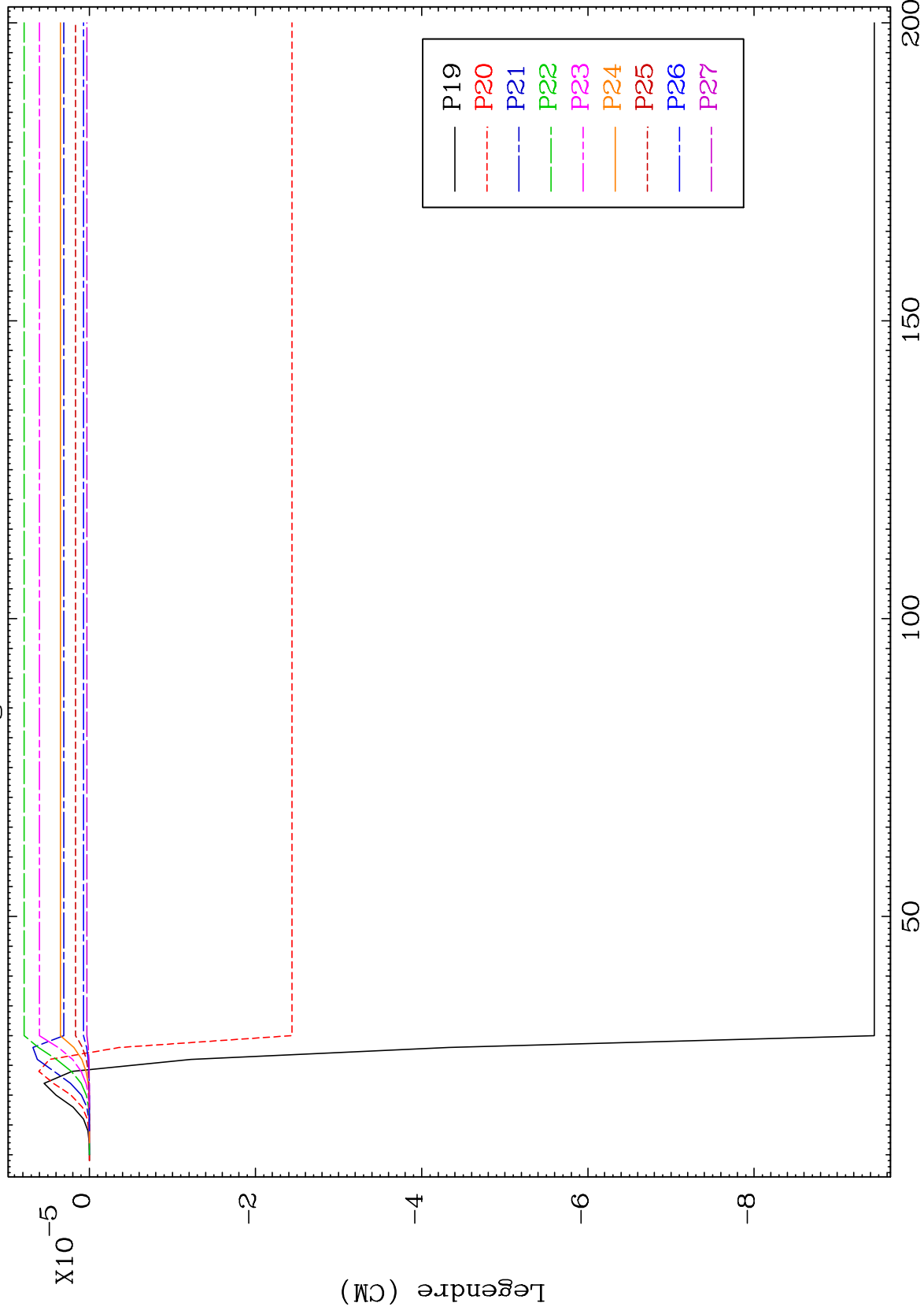
119

48-Cd-110

MAT 4837

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

48-Cd-110



120

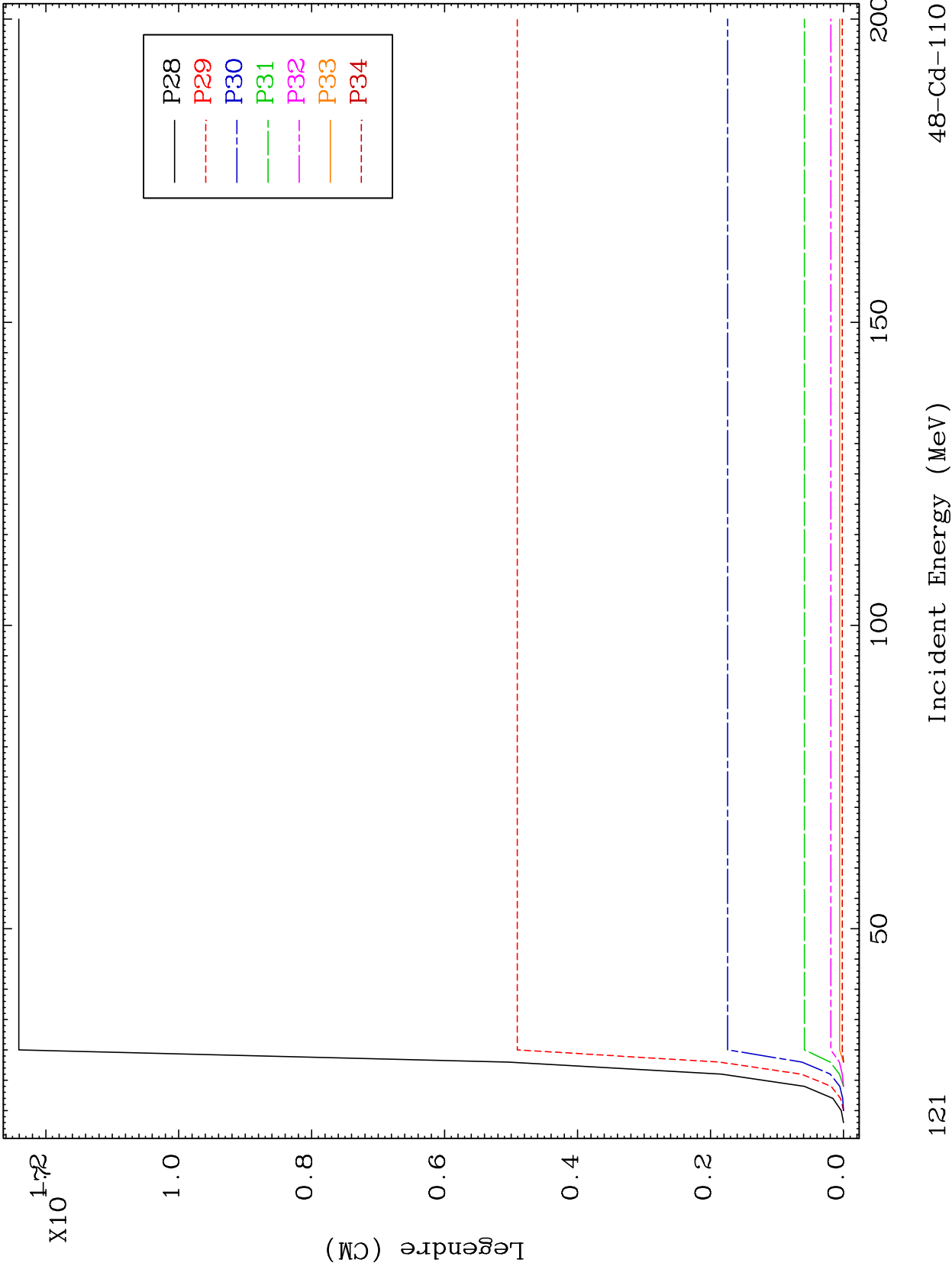
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



121

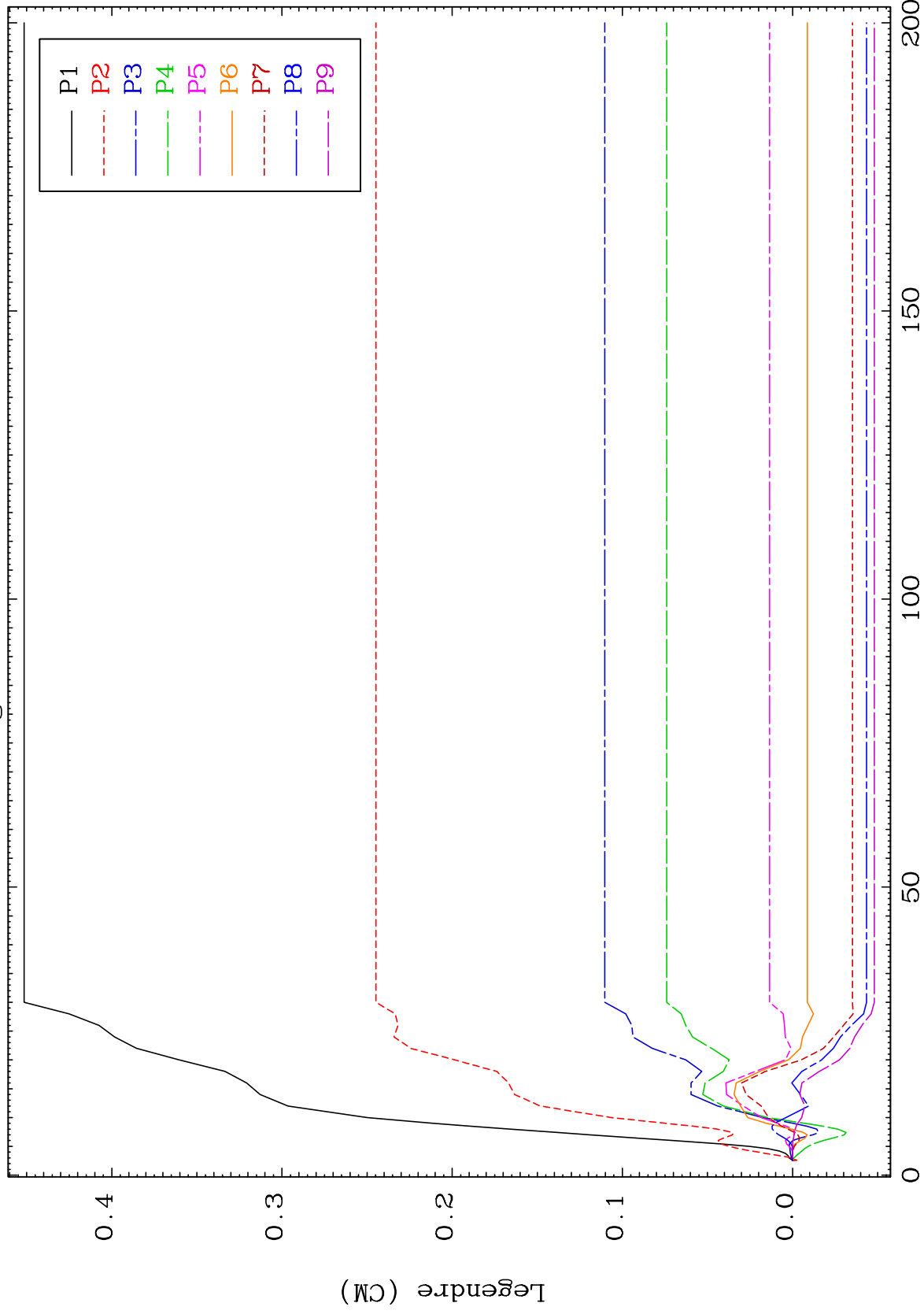
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



122

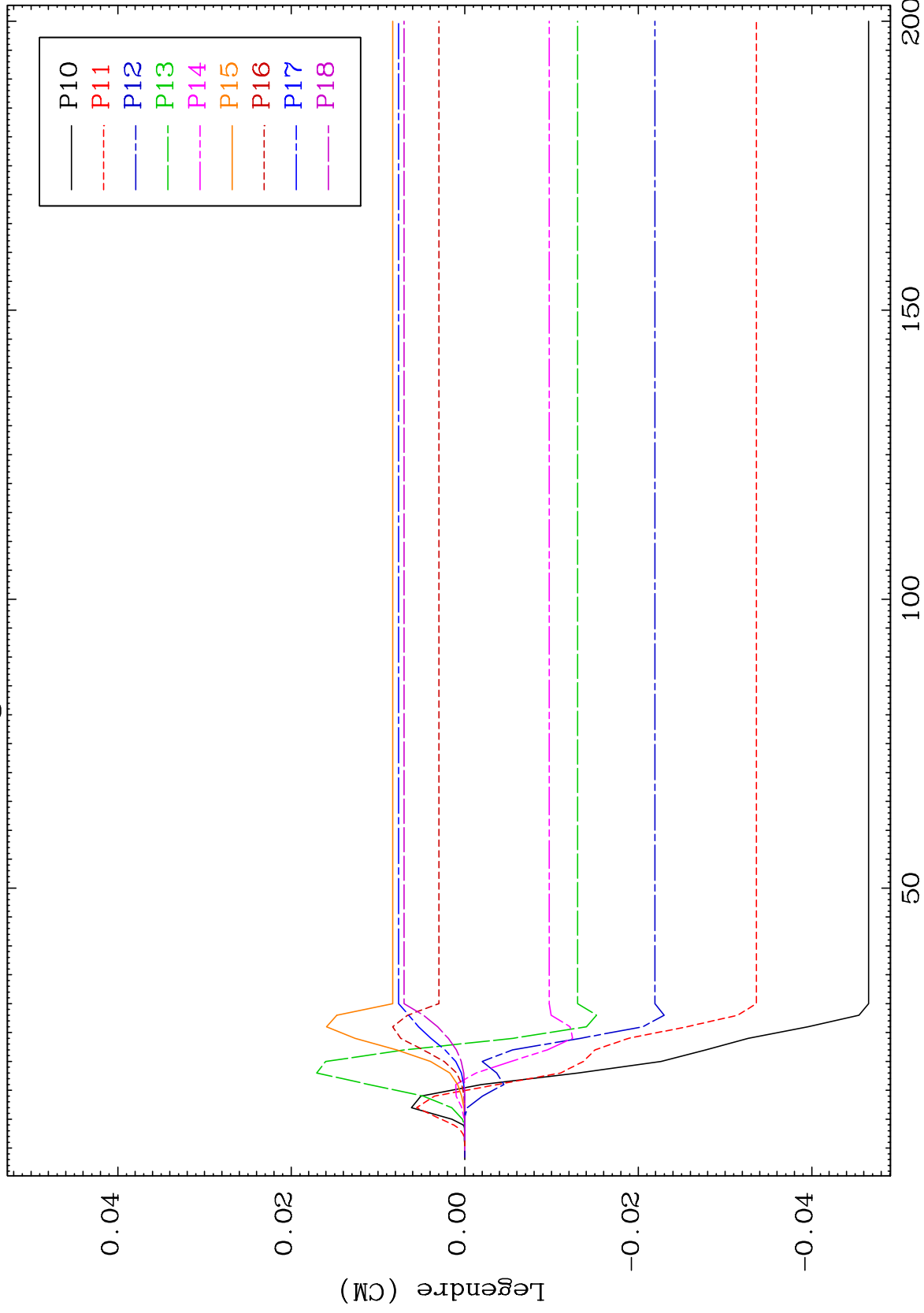
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



123

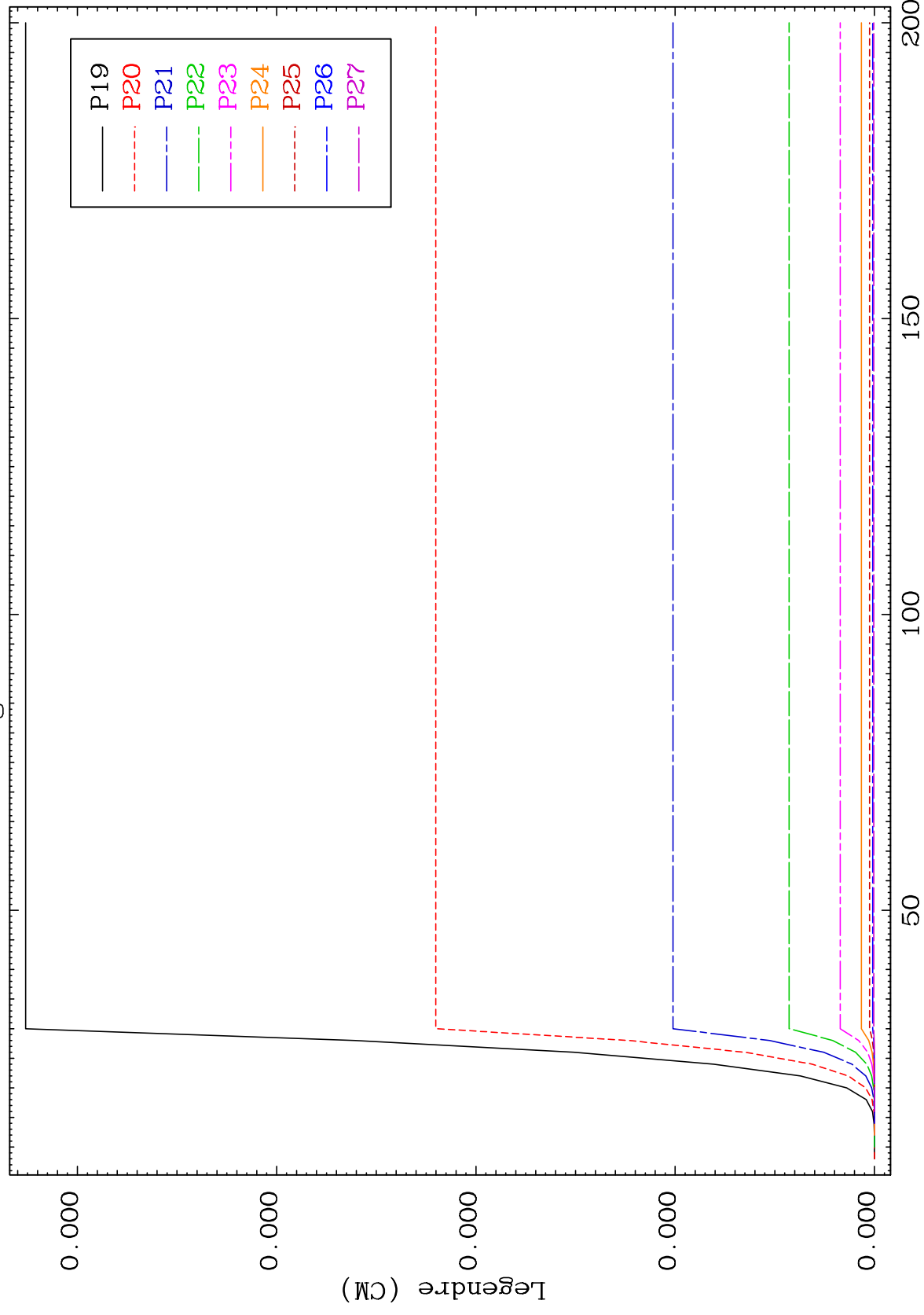
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



124

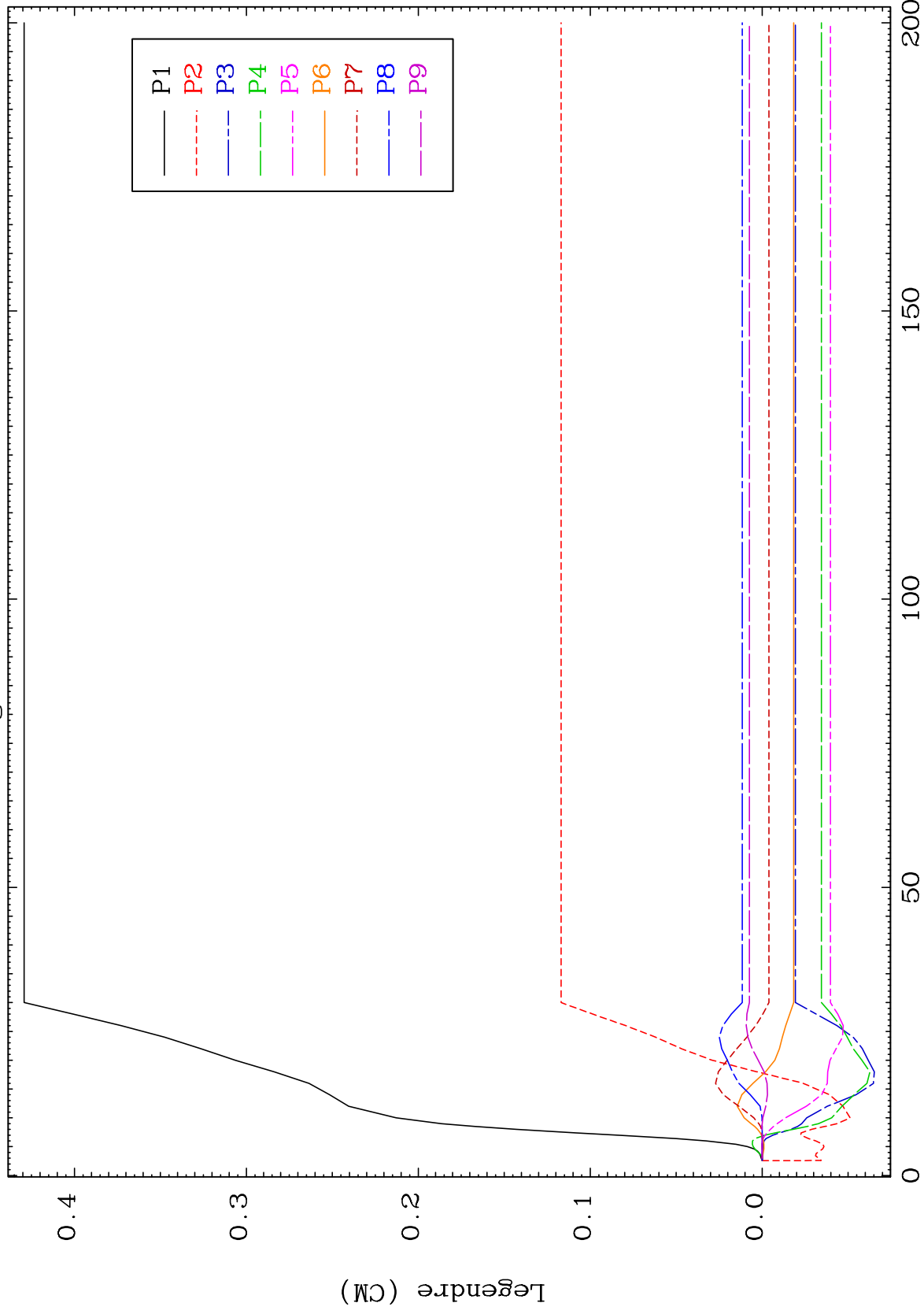
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



126

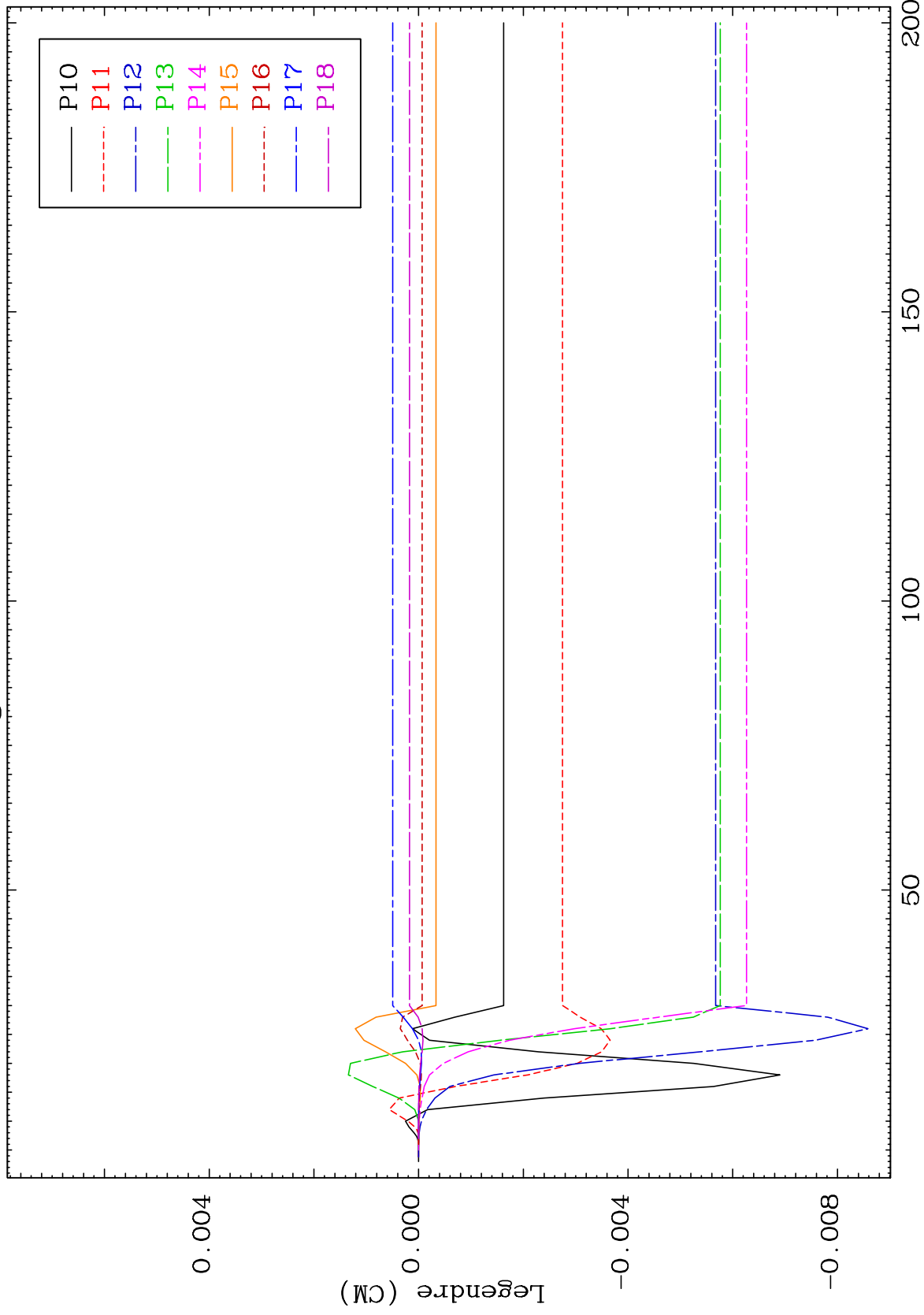
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110



127

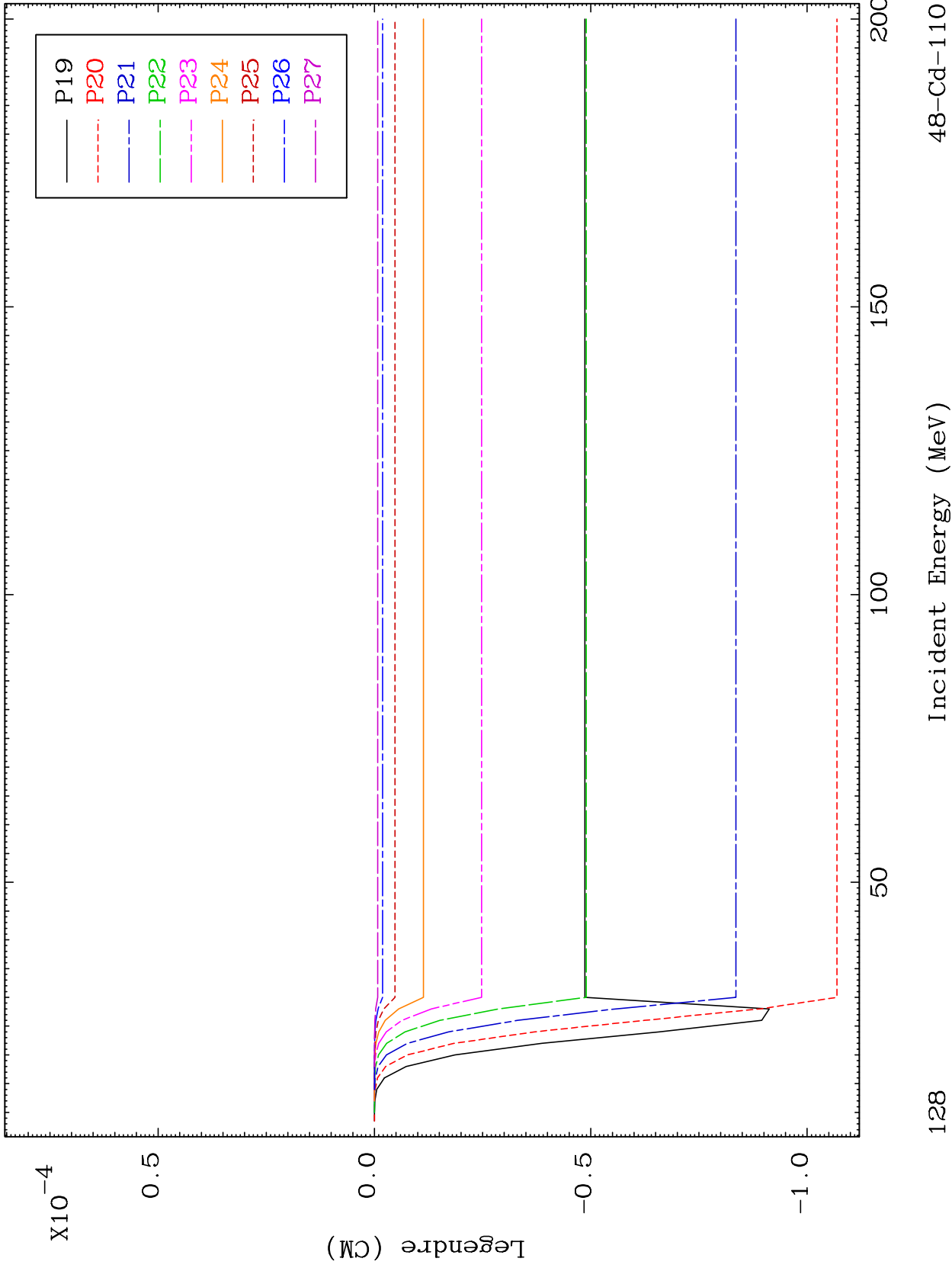
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

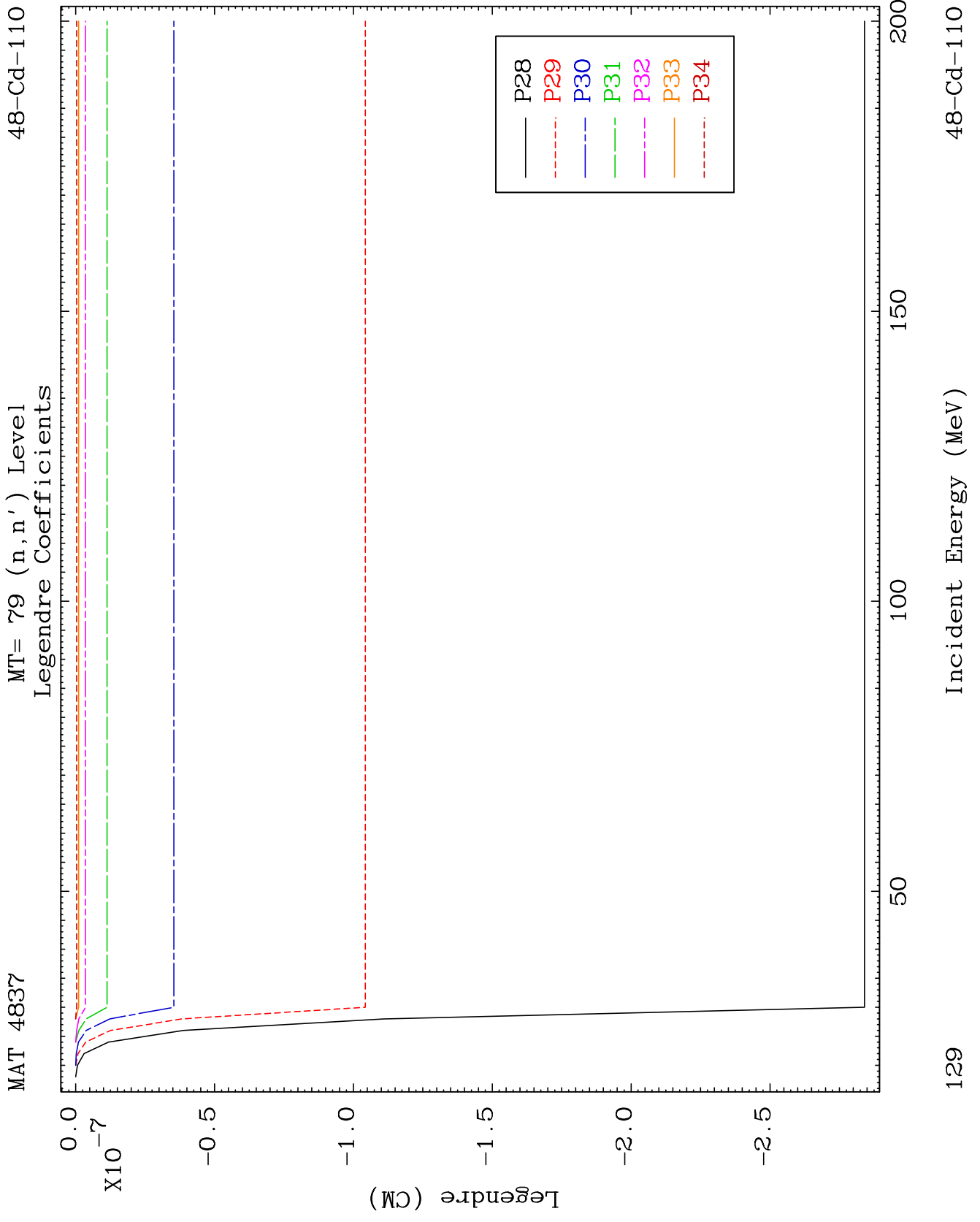
48-Cd-110



128

Incident Energy (MeV)

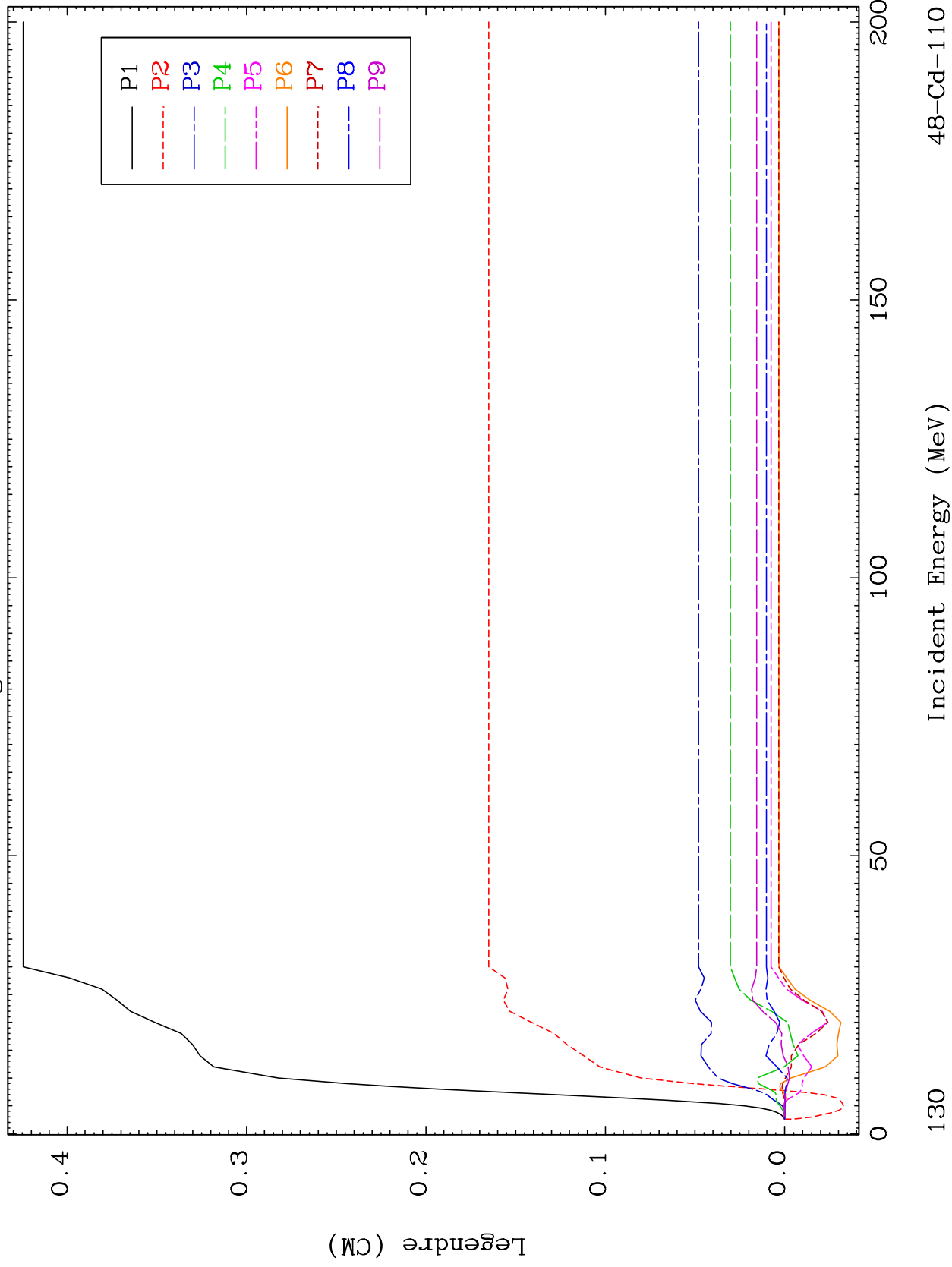
48-Cd-110



MAT 4837

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

48-Cd-110

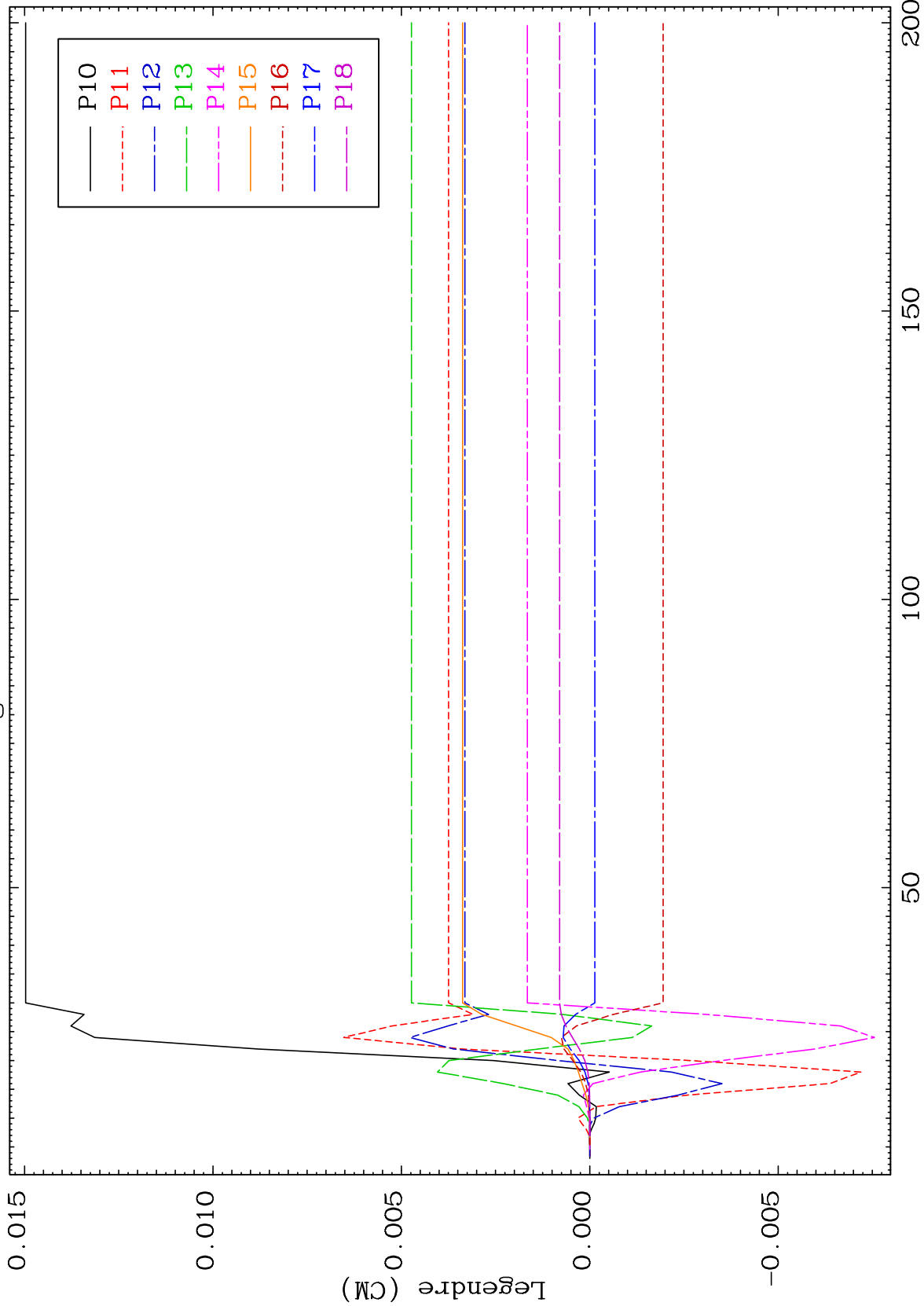


48-Cd-110

MAT 4837

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

48-Cd-110



131

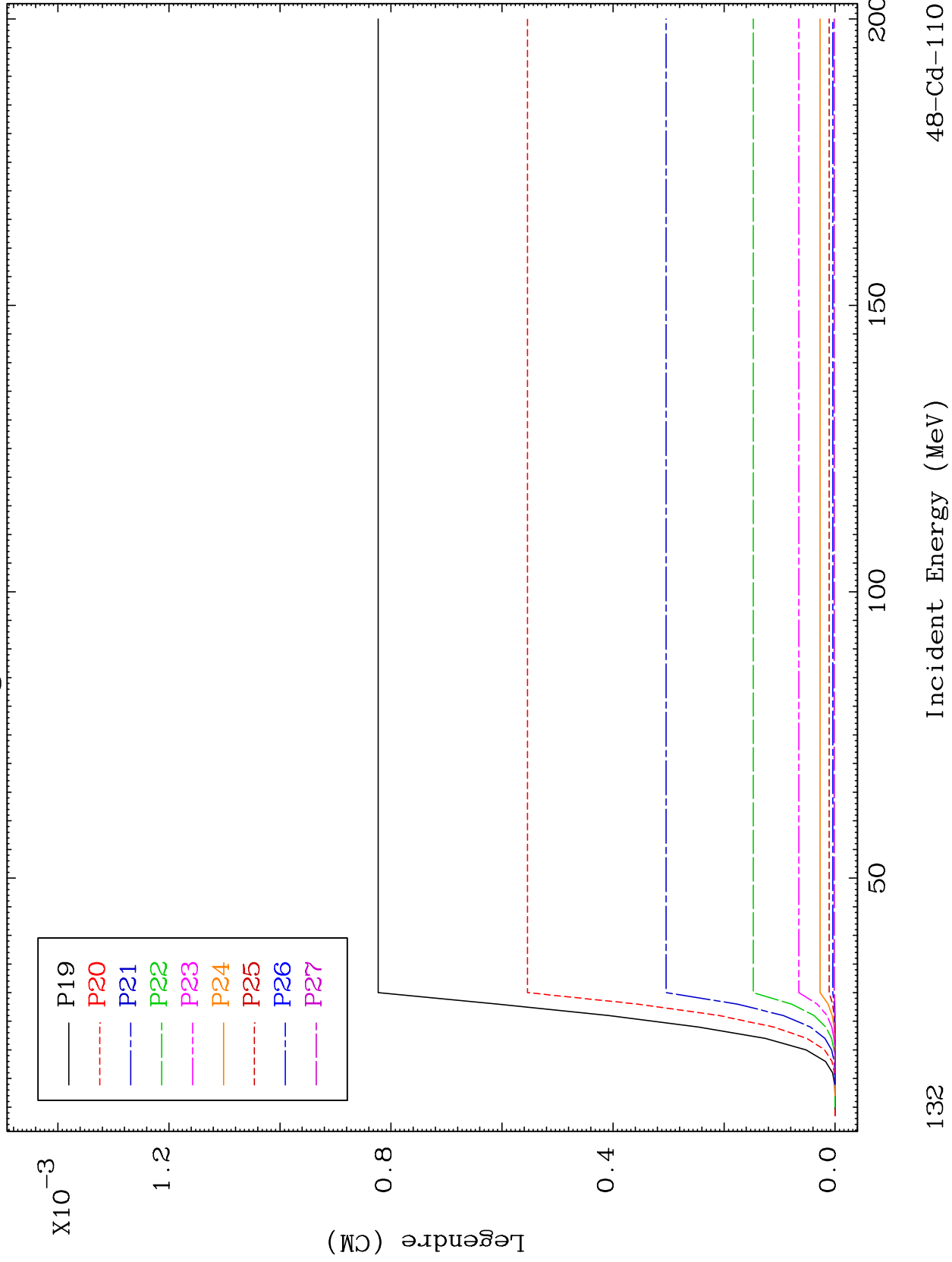
Incident Energy (MeV)

48-Cd-110

MAT 4837

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

48-Cd-110

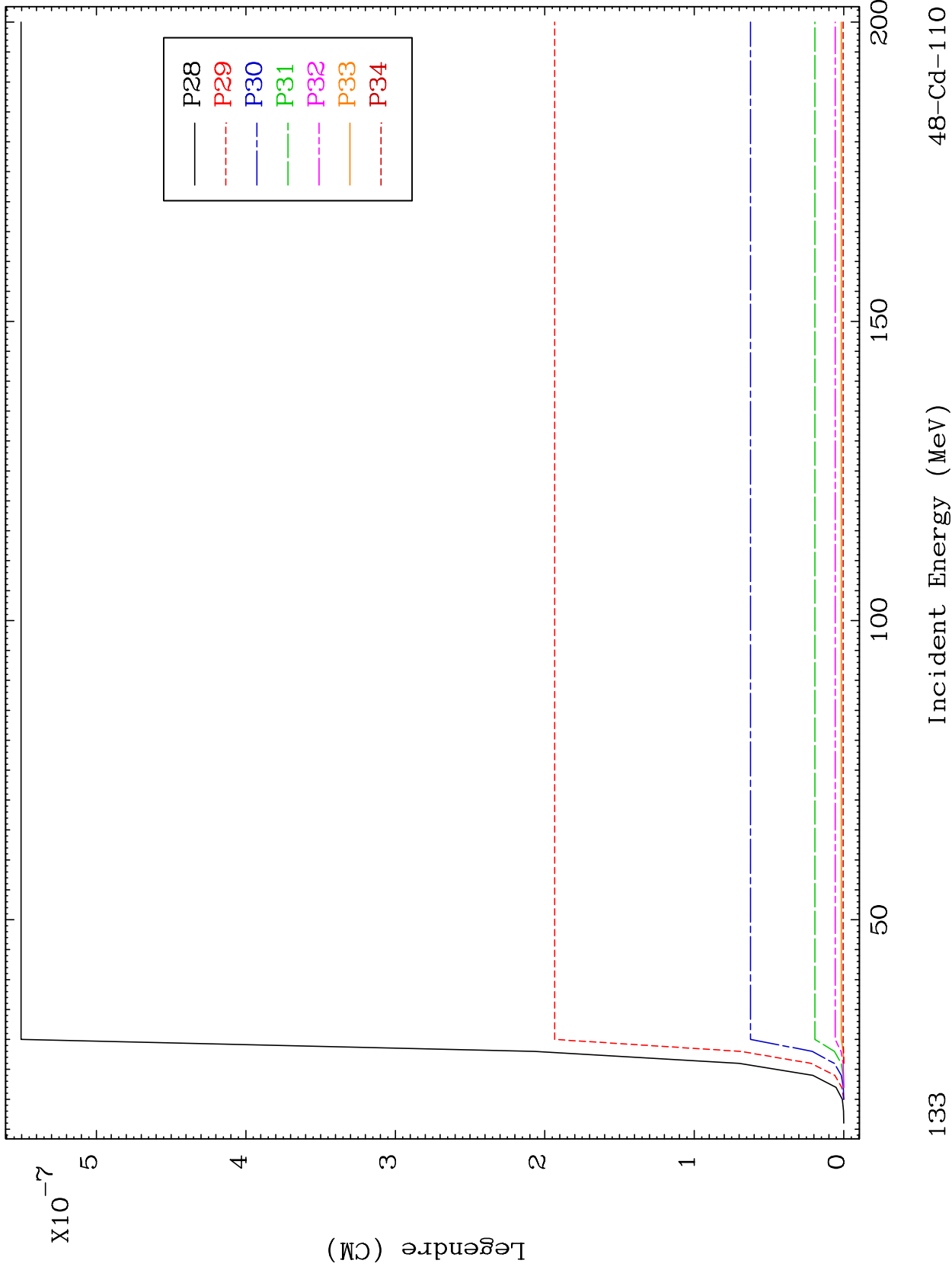


132

MAT 4837

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

48-Cd-110



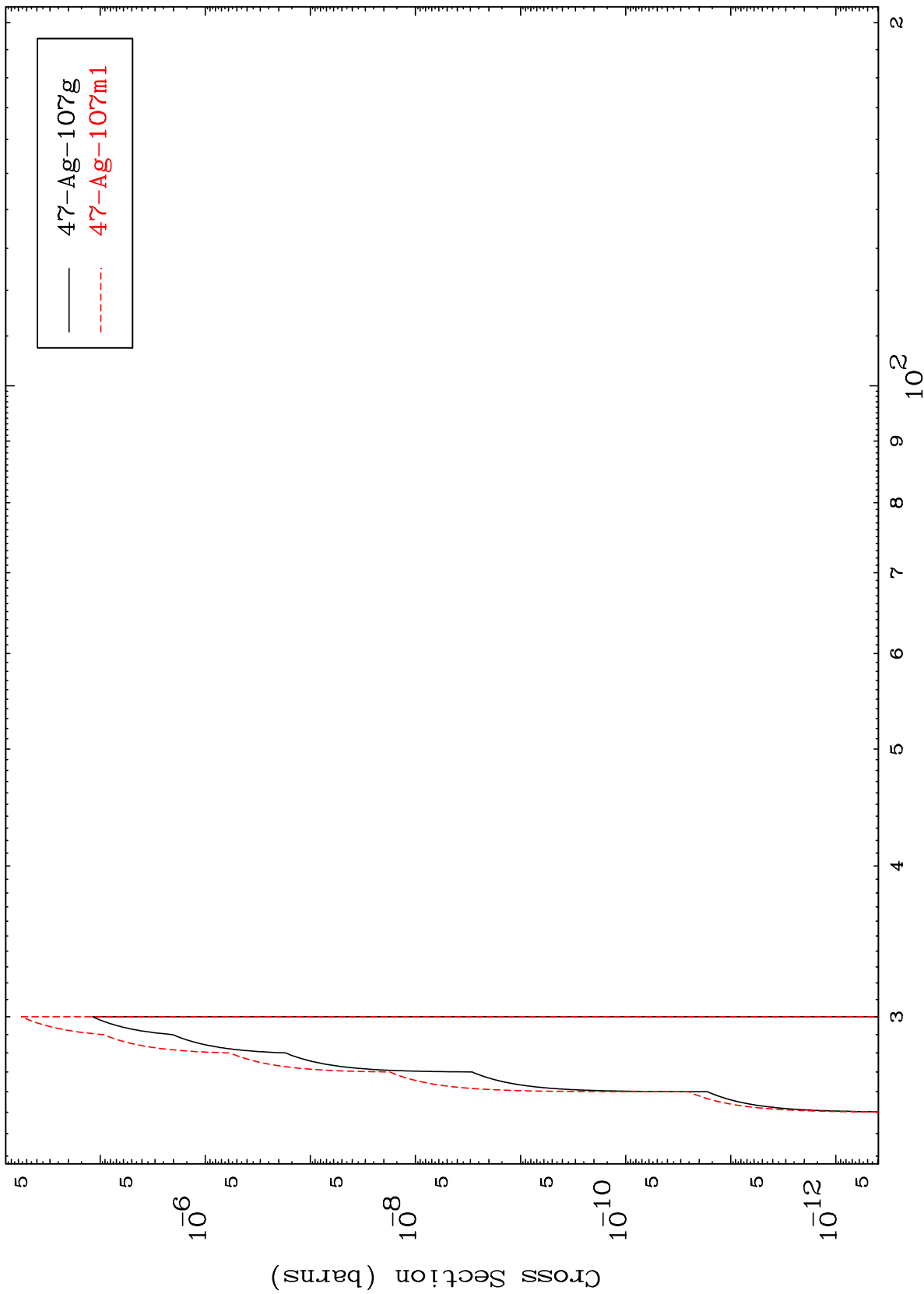
133

MAT 4837

(n,2n) d

48-Cd-110

Radionuclide Production Cross Section



134

Incident Energy (MeV)

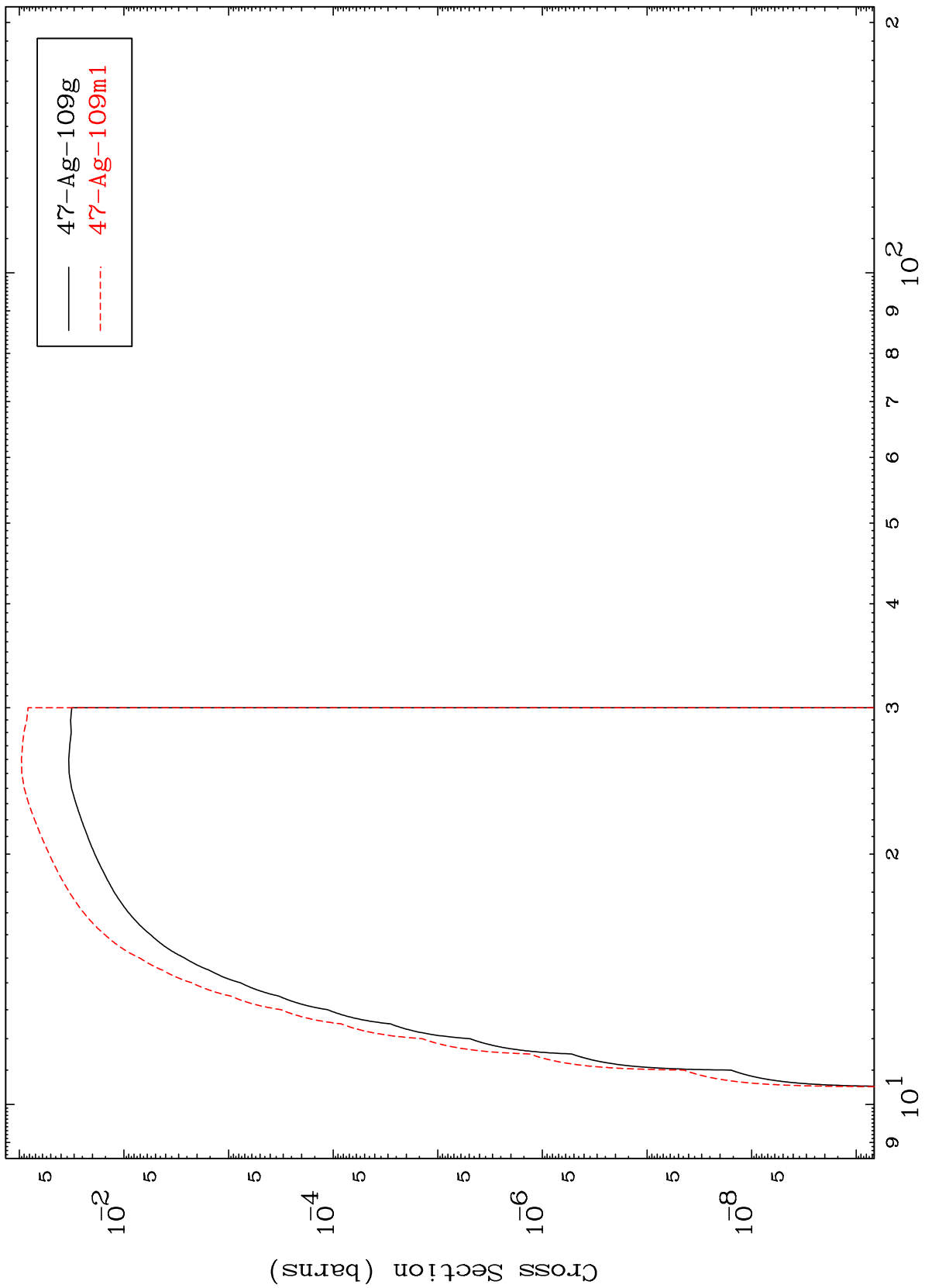
48-Cd-110

MAT 4837

(n,n') p

48-Cd-110

Radionuclide Production Cross Section



135

Incident Energy (MeV)

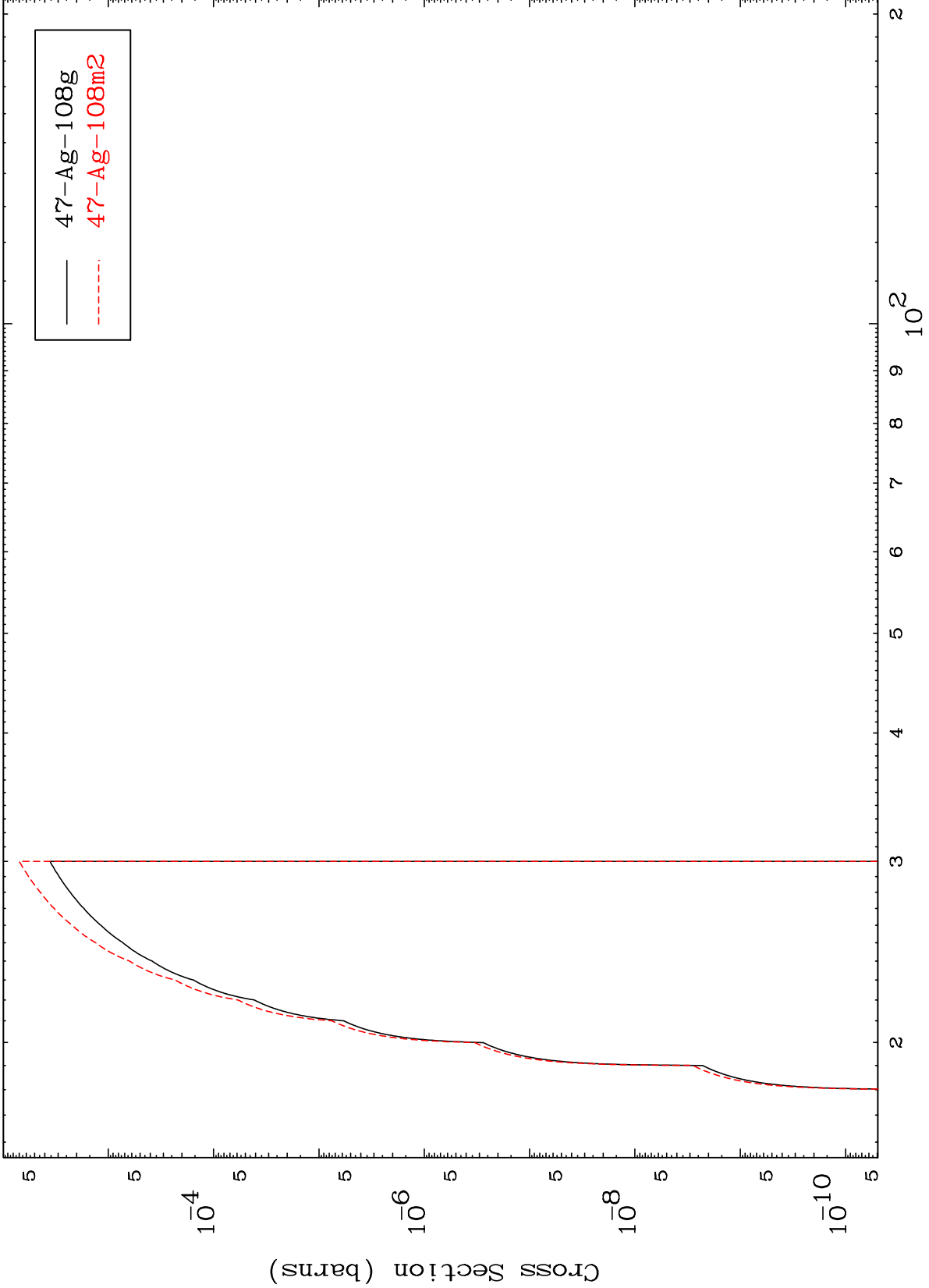
48-Cd-110

MAT 4837

(n,n') d

48-Cd-110

Radionuclide Production Cross Section



136

Incident Energy (MeV)

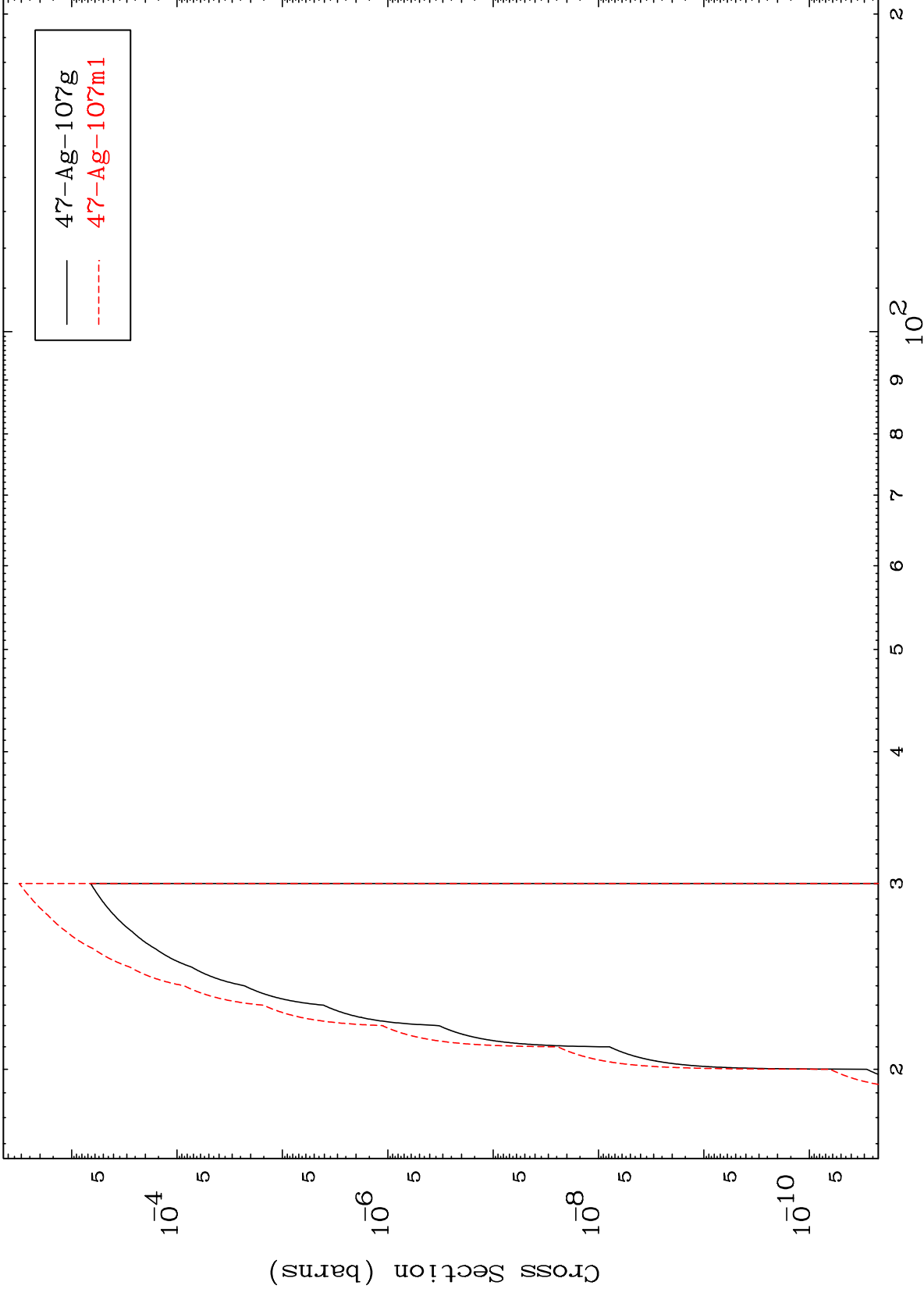
48-Cd-110

MAT 4837

(n,n') t

48-Cd-110

Radionuclide Production Cross Section

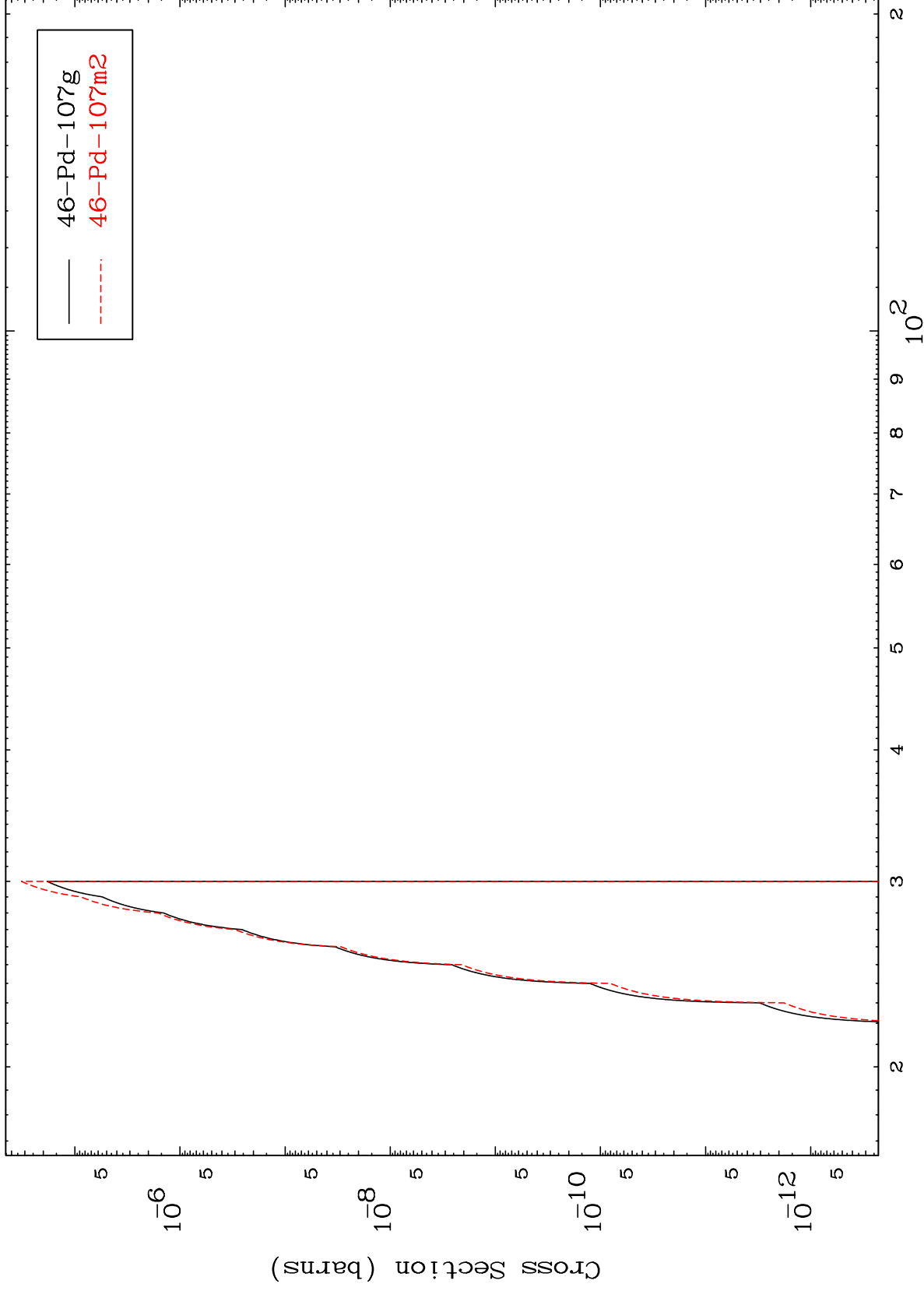


137

Incident Energy (MeV)

48-Cd-110

Radionuclide Production Cross Section



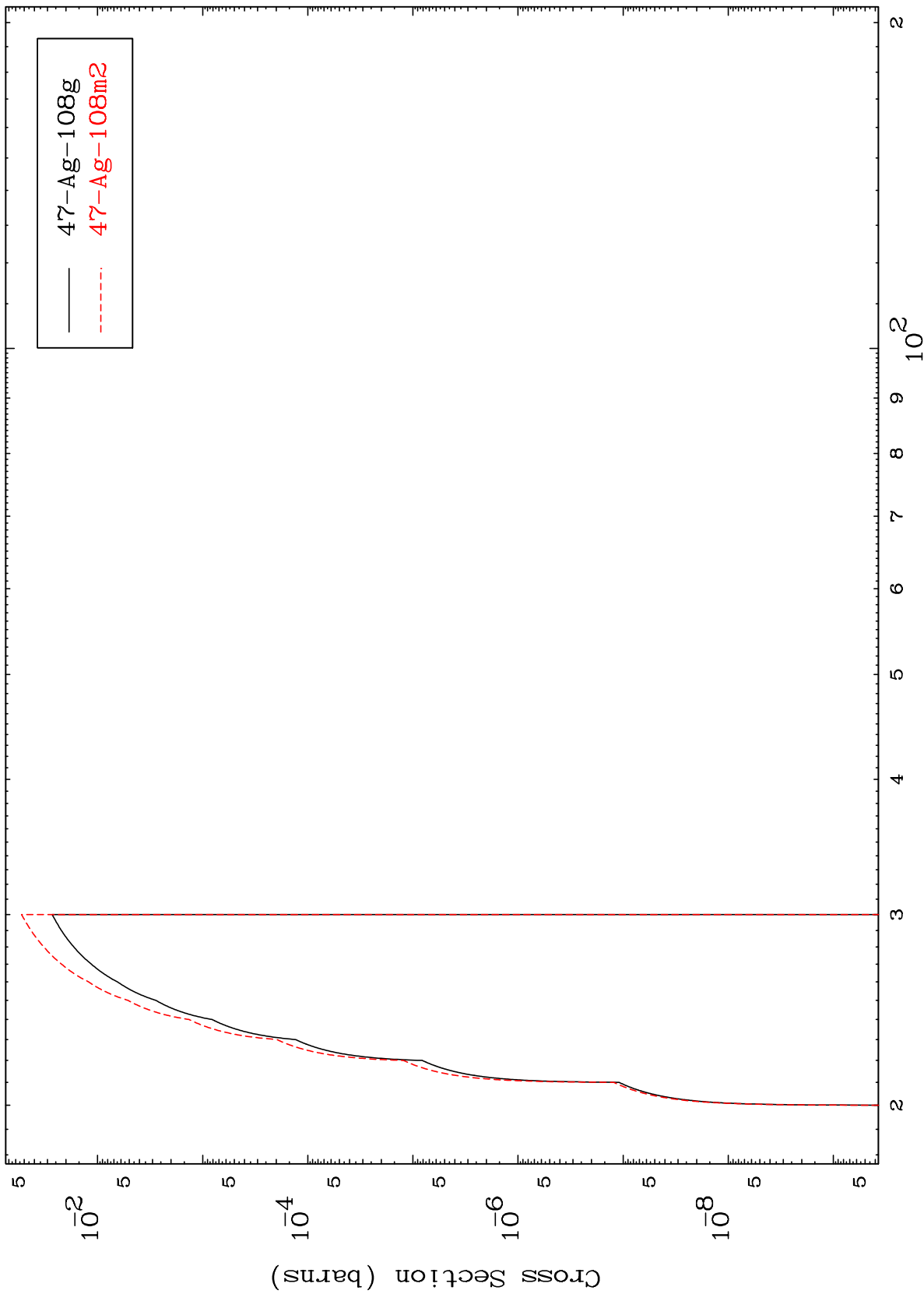
46-Pd-107g
46-Pd-107m2

MAT 4837

(n,2n) p

48-Cd-110

Radionuclide Production Cross Section



139

Incident Energy (MeV)

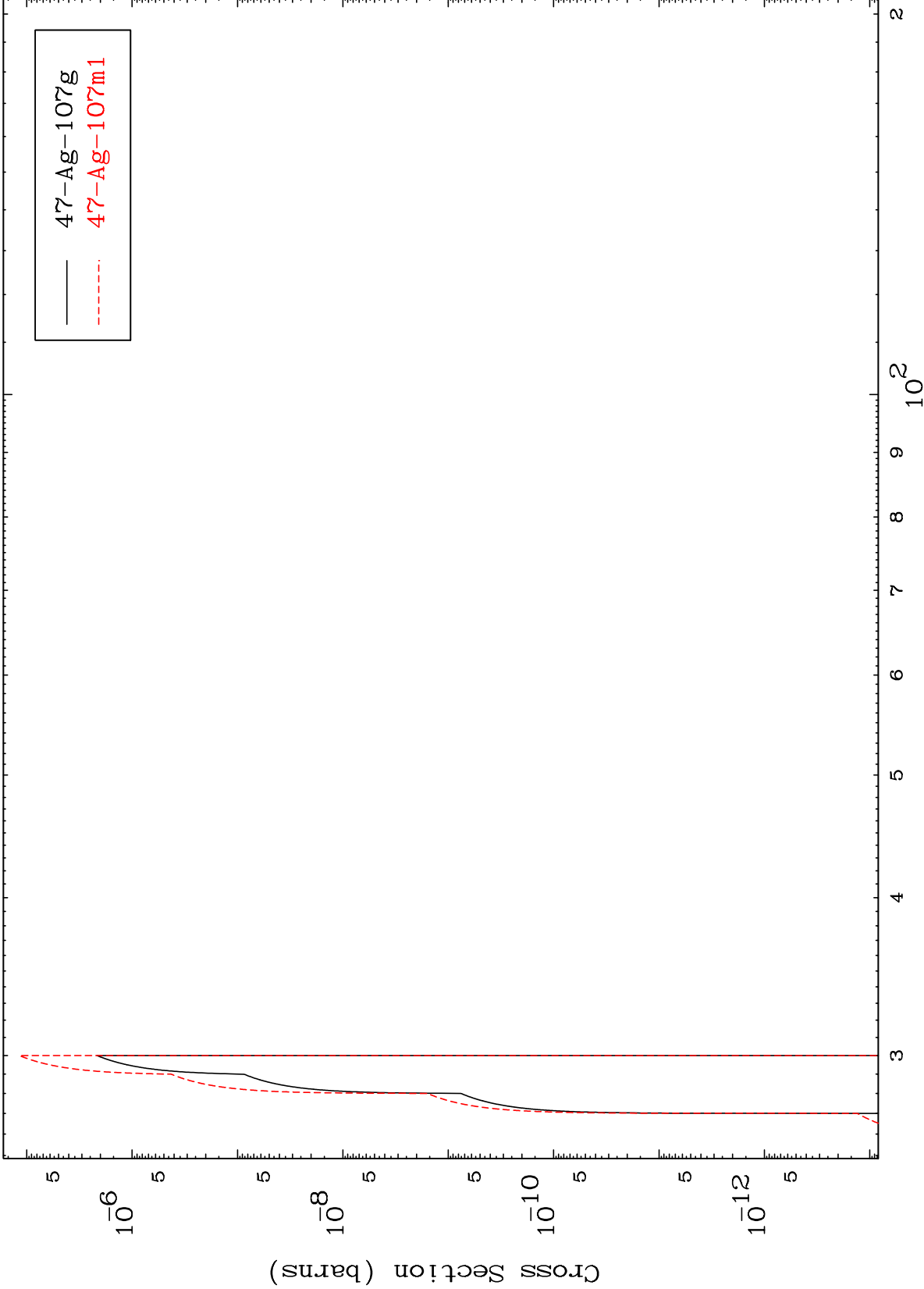
48-Cd-110

MAT 4837

(n,3n) p

48-Cd-110

Radionuclide Production Cross Section



47-Ag-107g
47-Ag-107m1

140

Incident Energy (MeV)

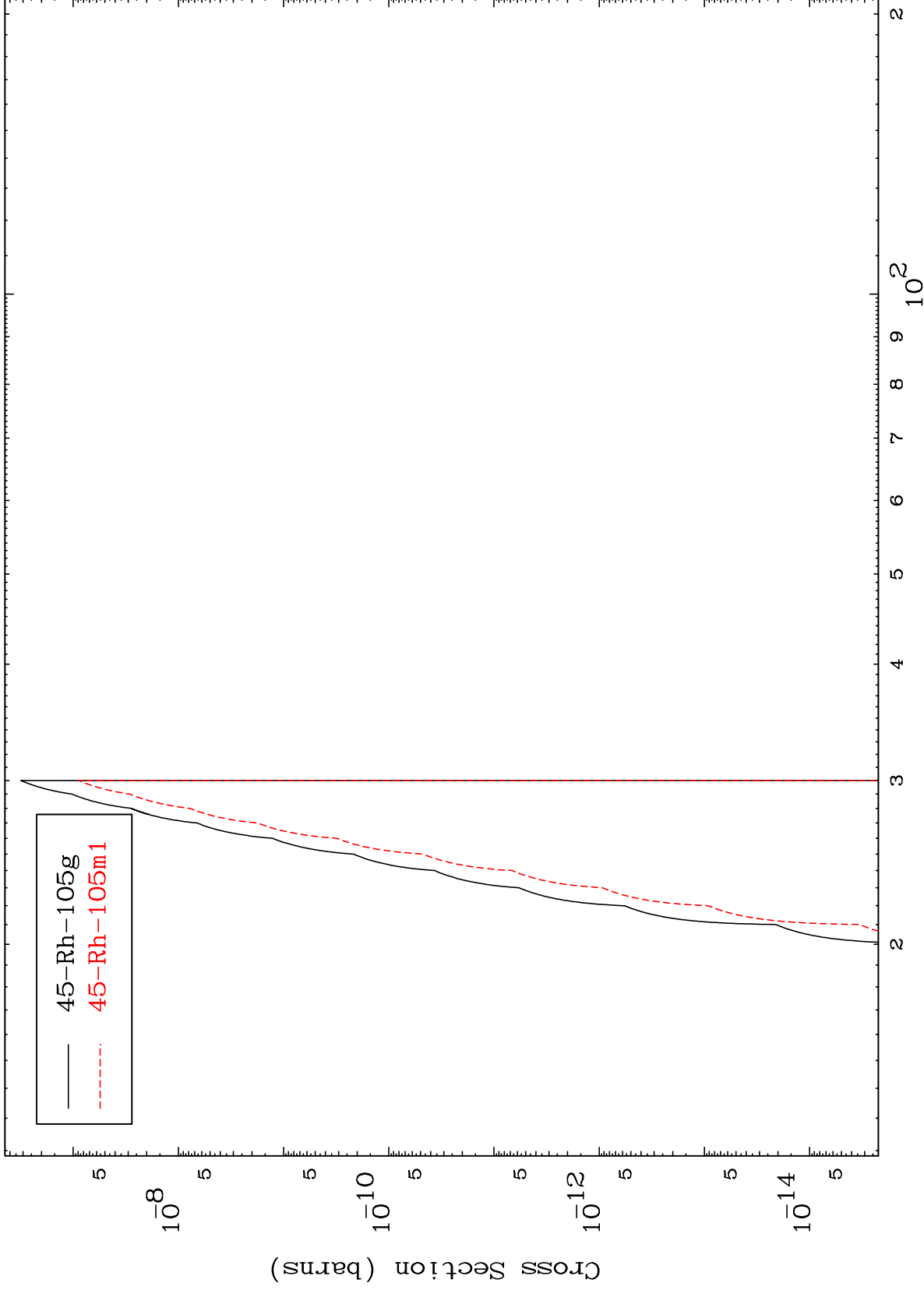
48-Cd-110

MAT 4837

(n,n') p α

48-Cd-110

Radionuclide Production Cross Section



141

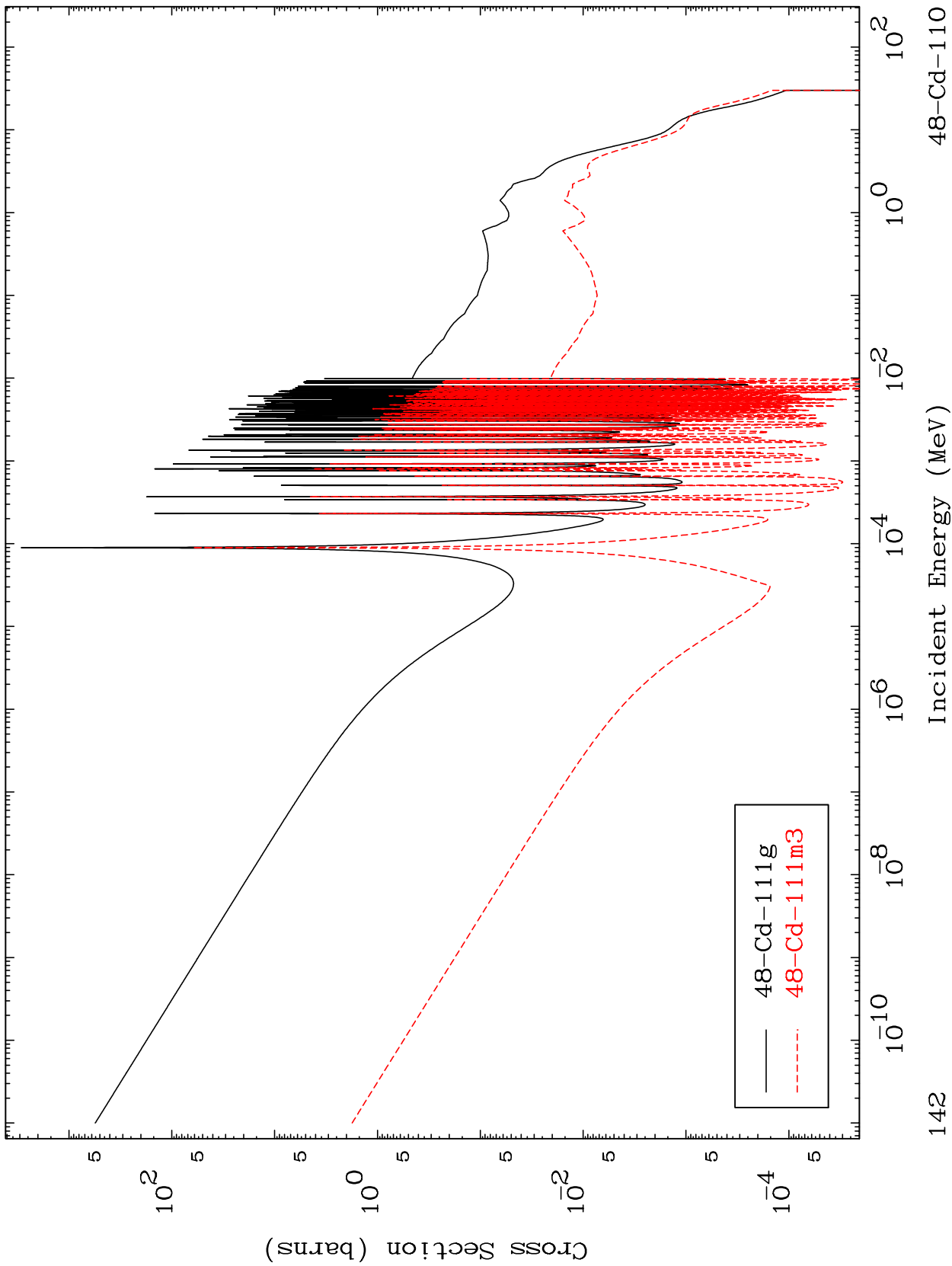
Incident Energy (MeV)

48-Cd-110

MAT 4837

48-Cd-110

(n, γ)
Radionuclide Production Cross Section



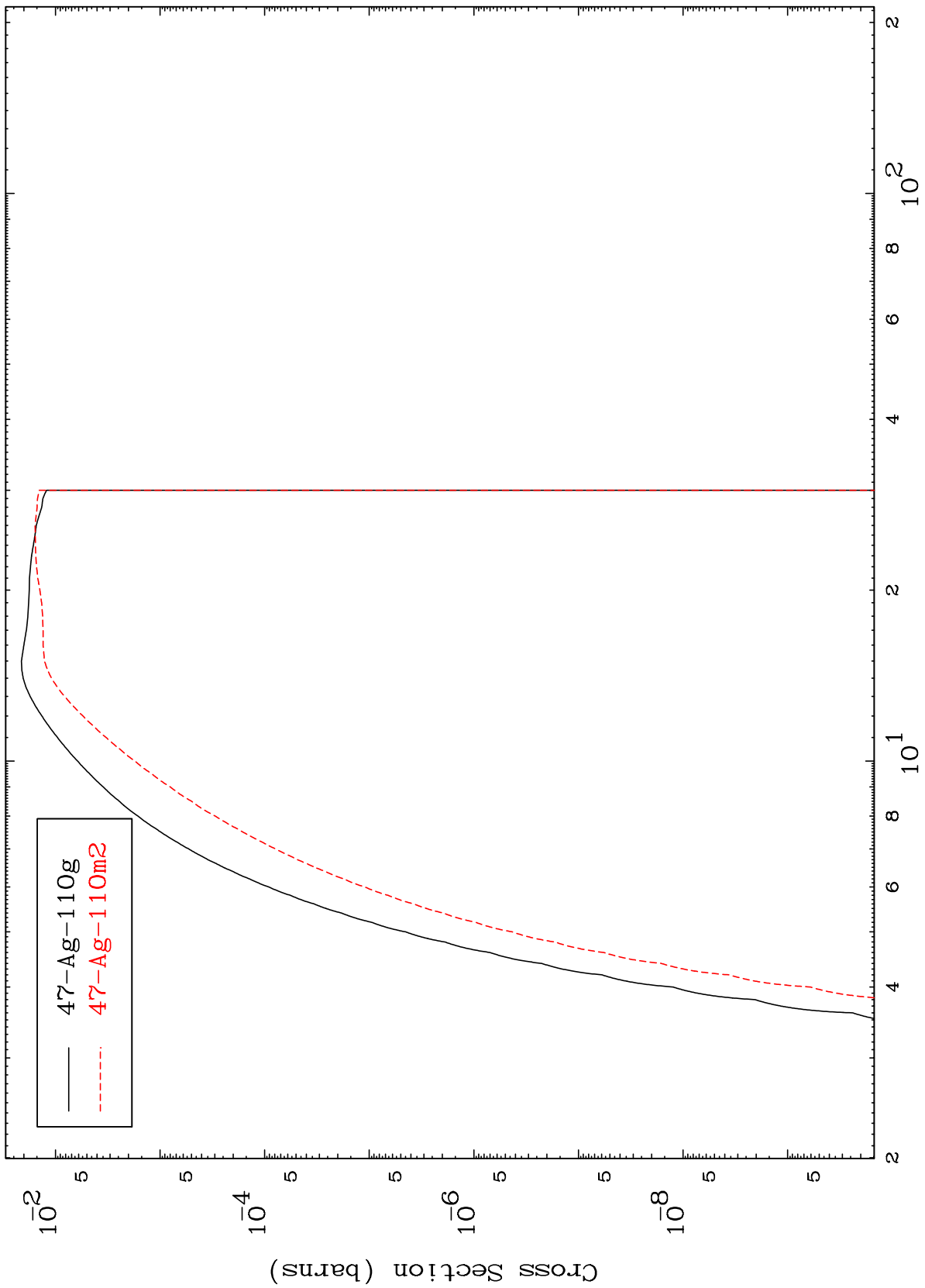
142

48-Cd-110

MAT 4837

48-Cd-110

(n,p)
Radionuclide Production Cross Section



— 47-Ag-110g
- - - 47-Ag-110m2

143

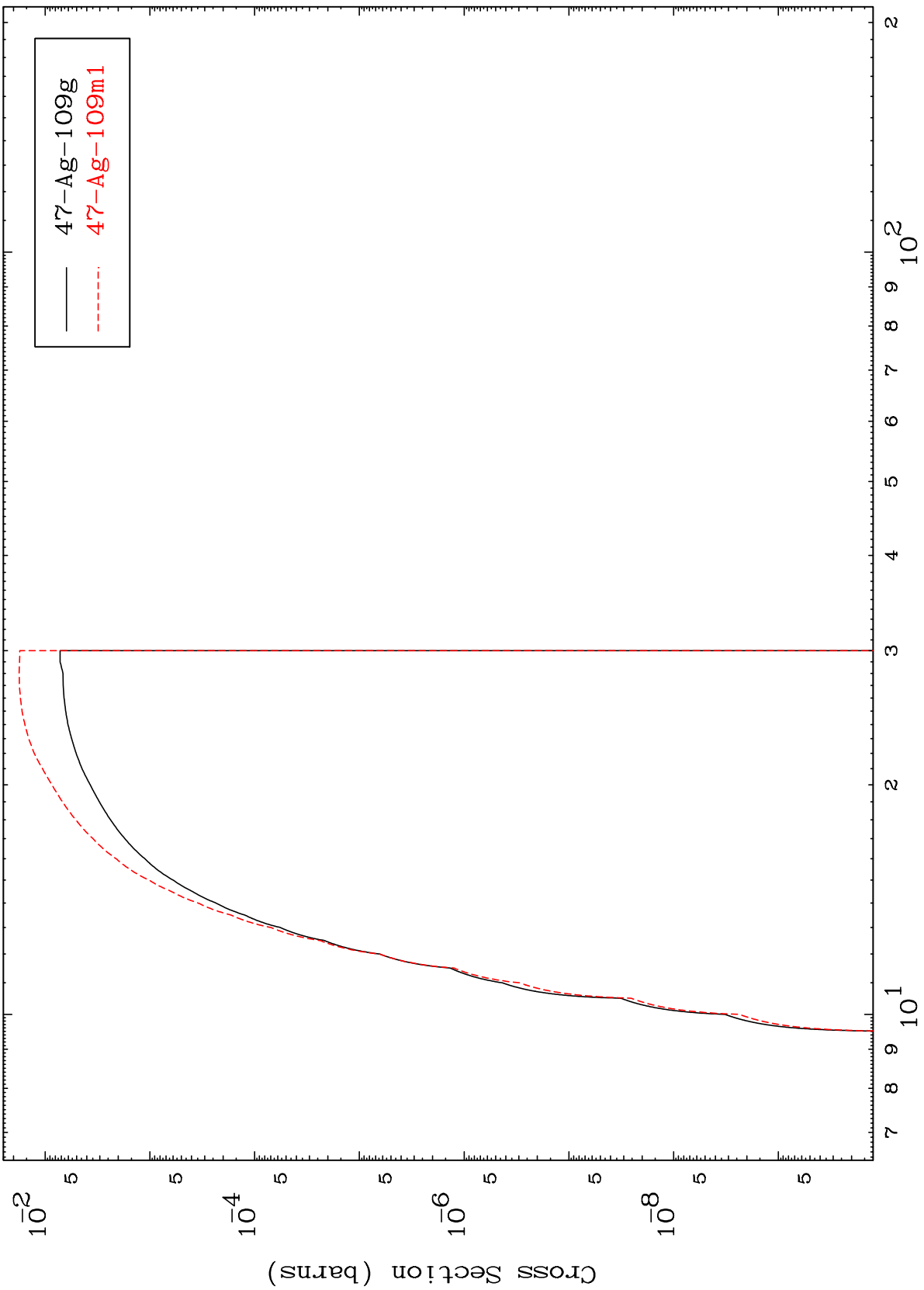
Incident Energy (MeV)

48-Cd-110

MAT 4837

48-Cd-110

(n,d)
Radionuclide Production Cross Section



144

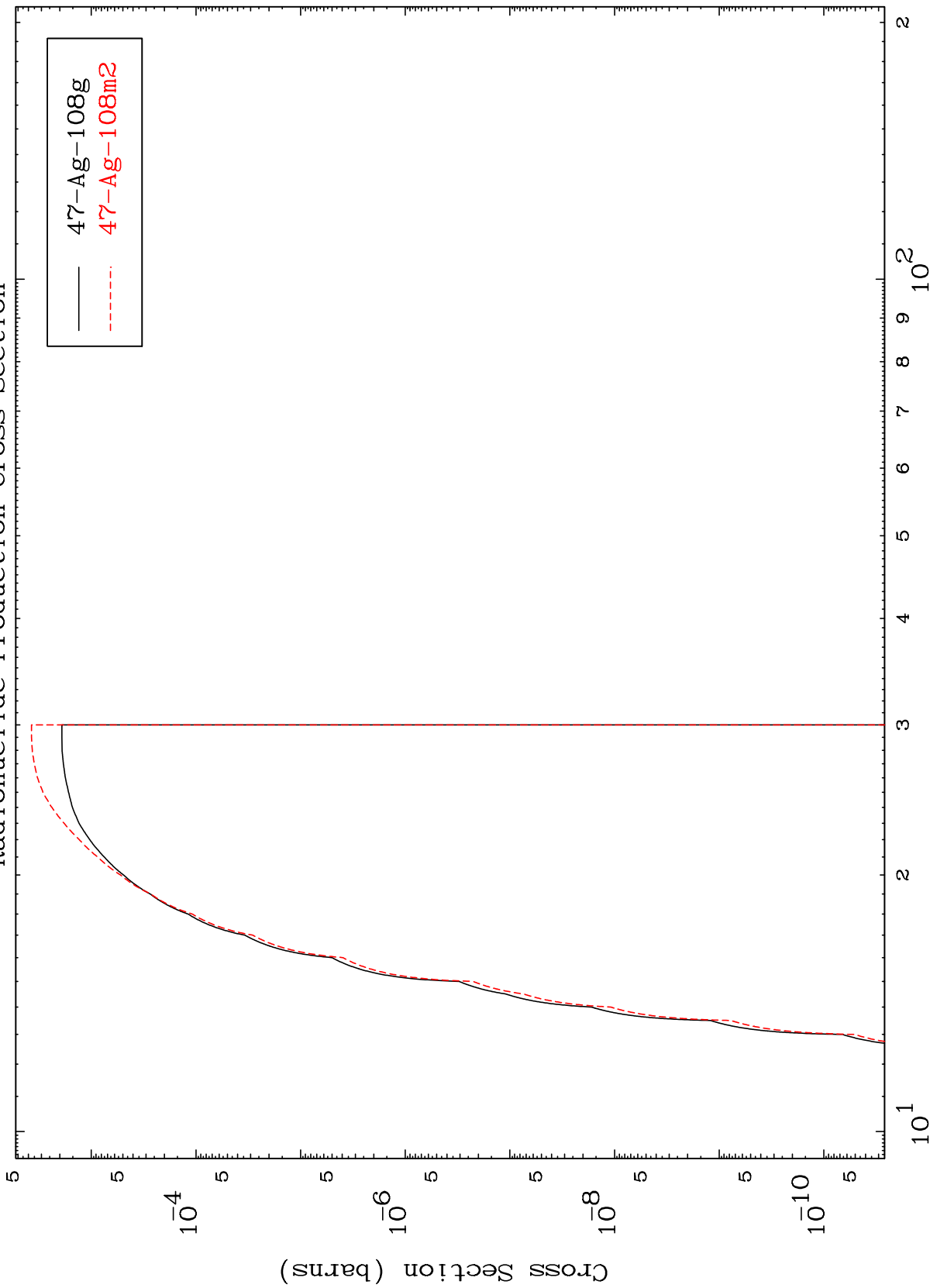
Incident Energy (MeV)

48-Cd-110

MAT 4837

48-Cd-110

(n, t)
Radionuclide Production Cross Section



48-Cd-110

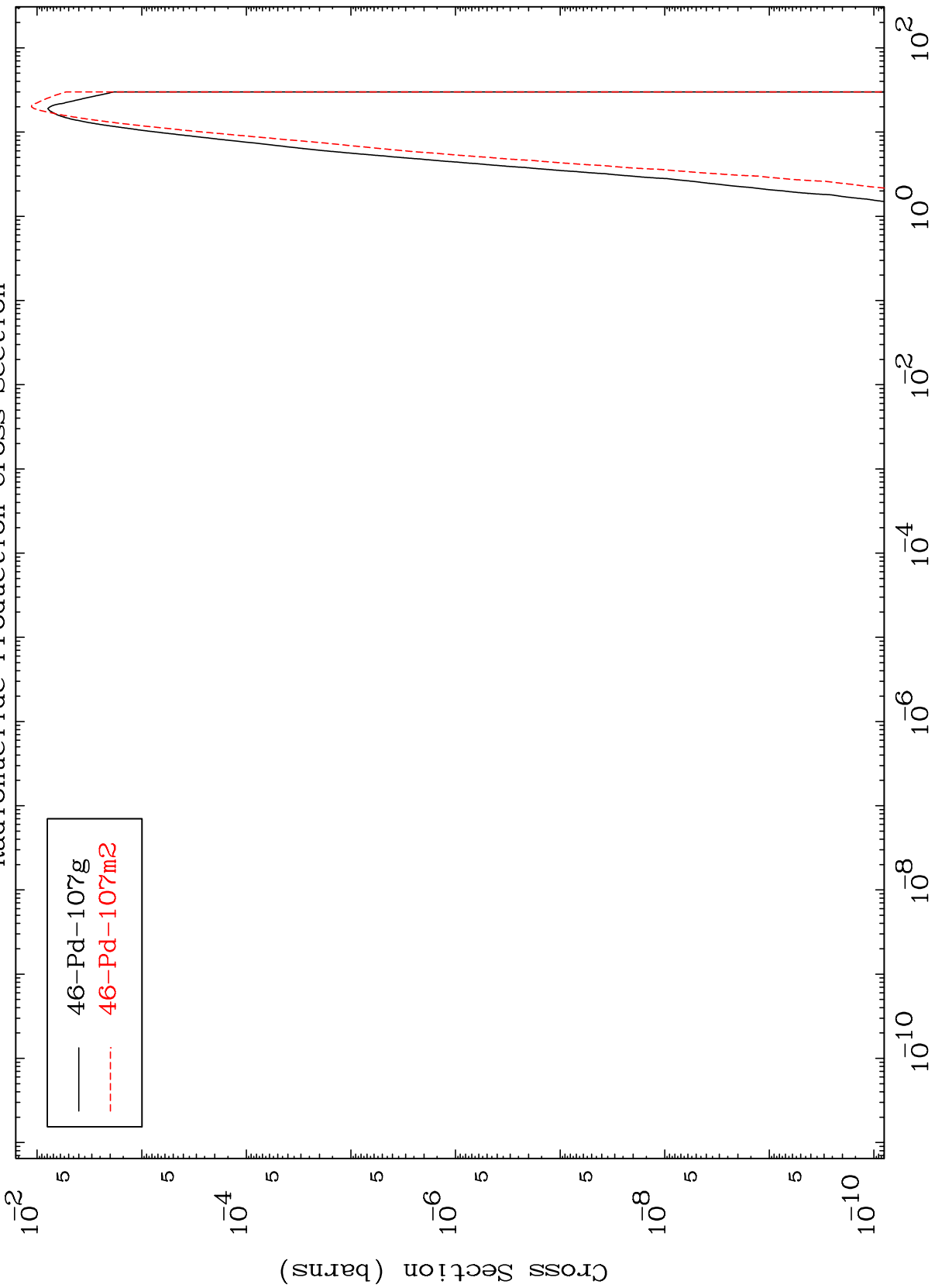
Incident Energy (MeV)

145

MAT 4837

48-Cd-110

Radionuclide Production Cross Section



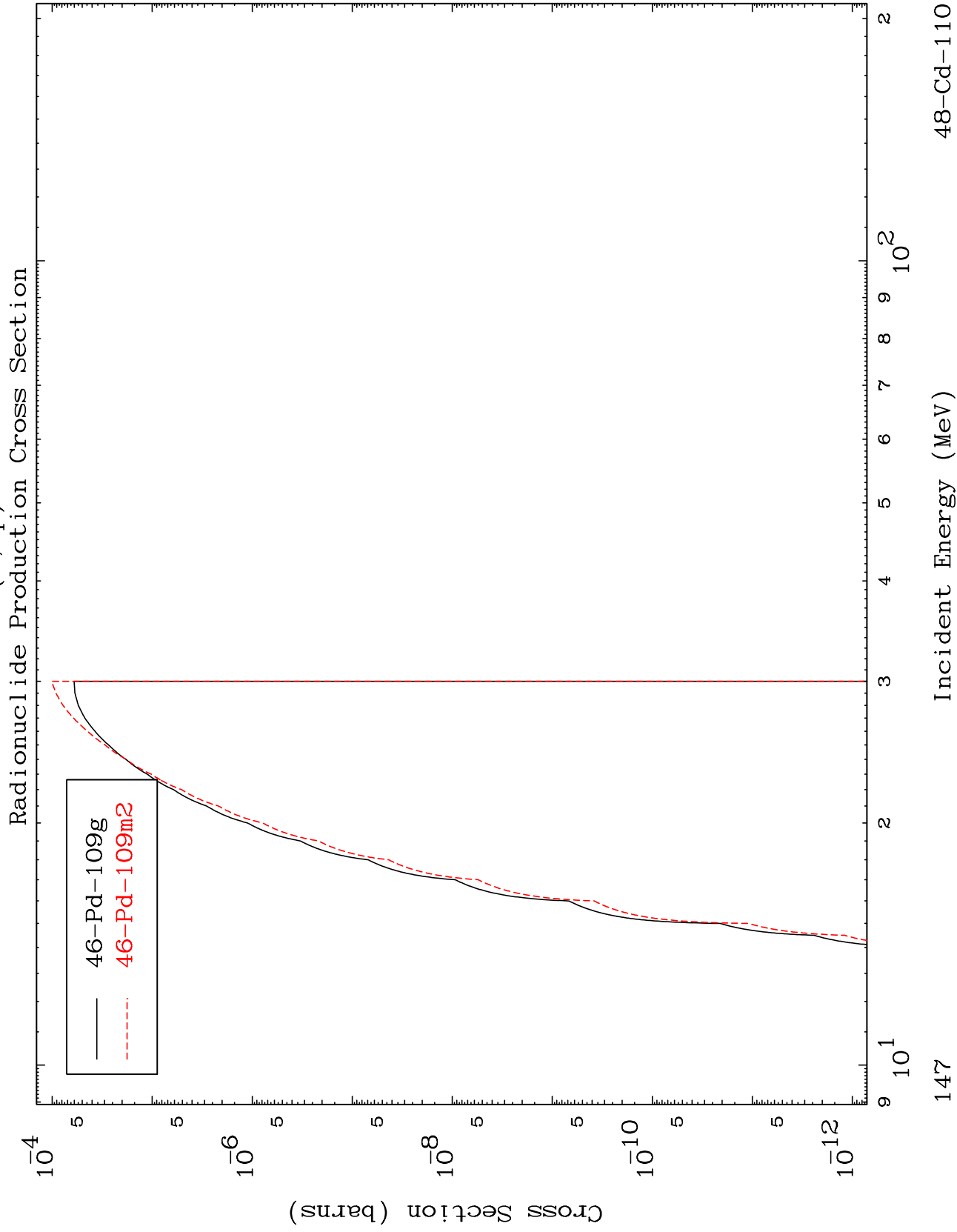
146

48-Cd-110

MAT 4837

(n,2p)

48-Cd-110

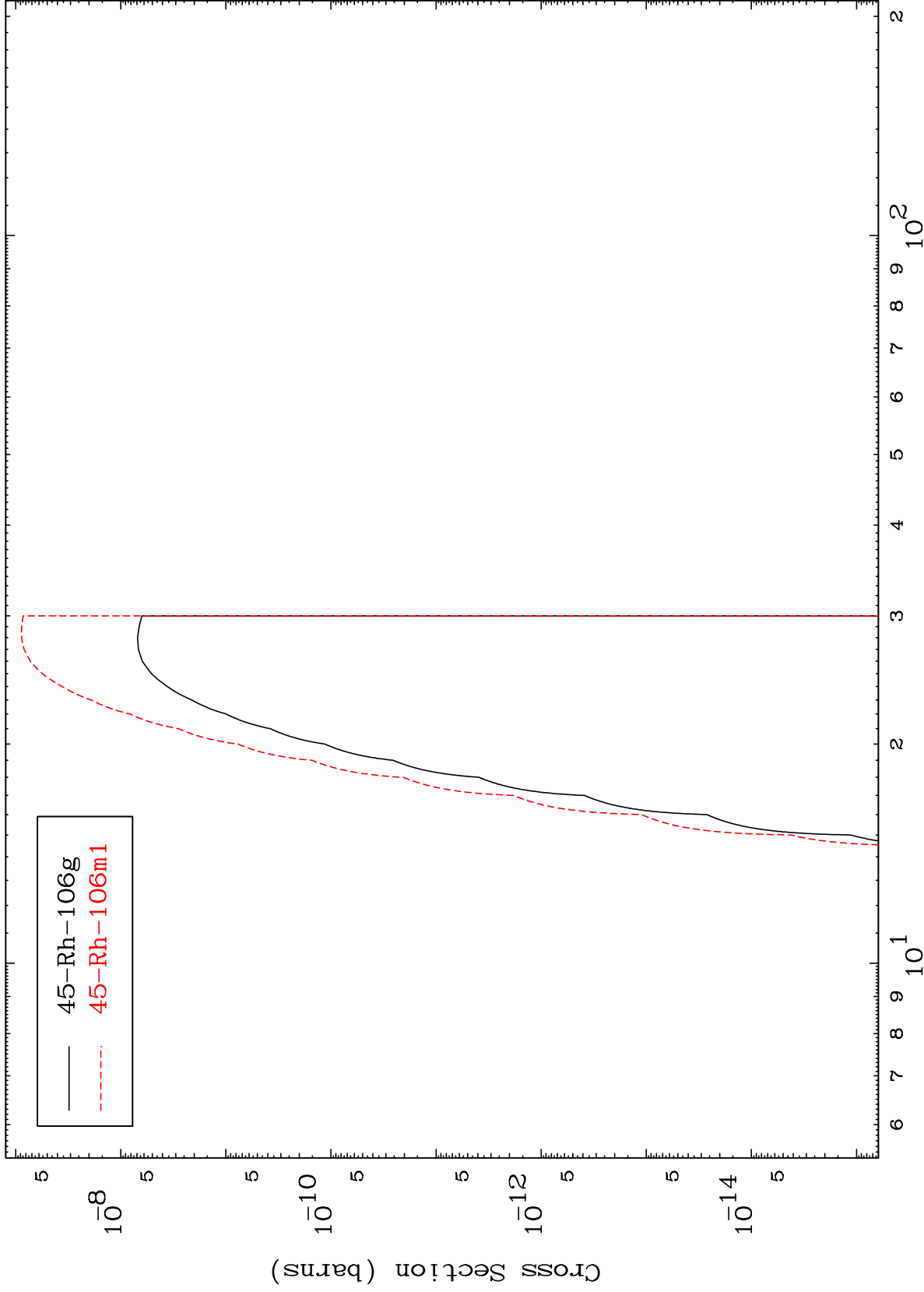


MAT 4837

(n,p) α

48-Cd-110

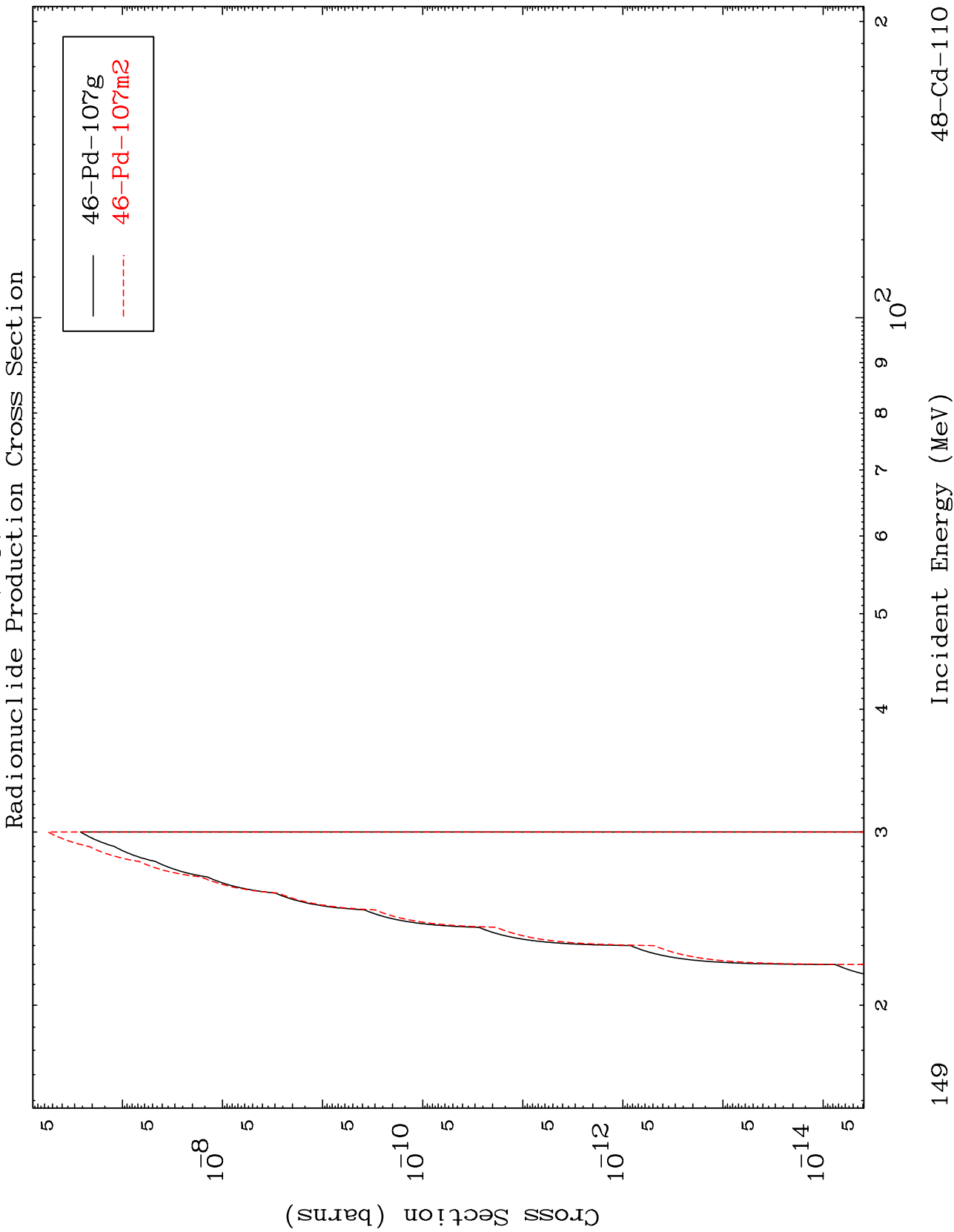
Radionuclide Production Cross Section



148

Incident Energy (MeV)

48-Cd-110

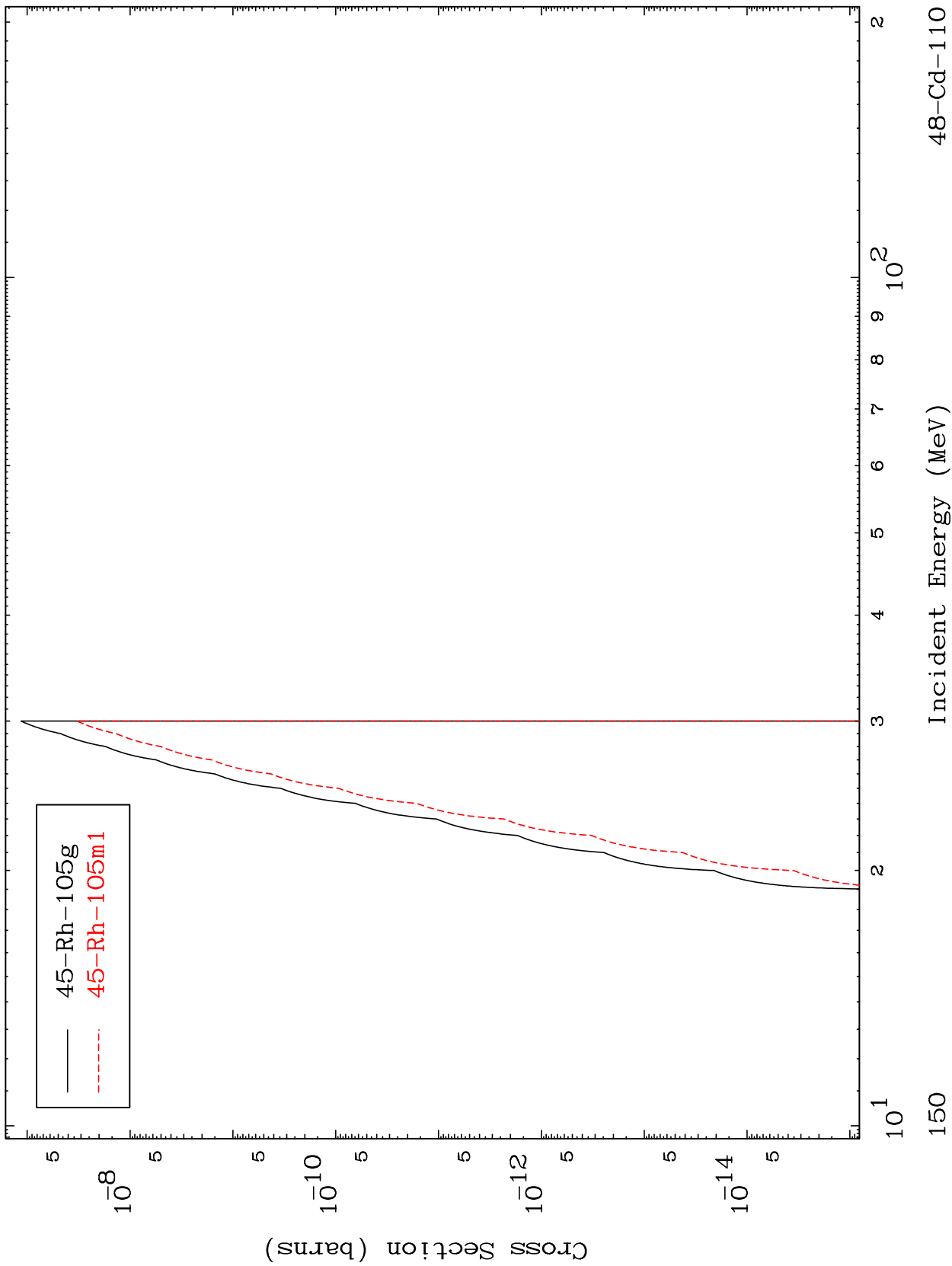


MAT 4837

(n,d) α

48-Cd-110

Radionuclide Production Cross Section



Incident Energy (MeV)

48-Cd-110