

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

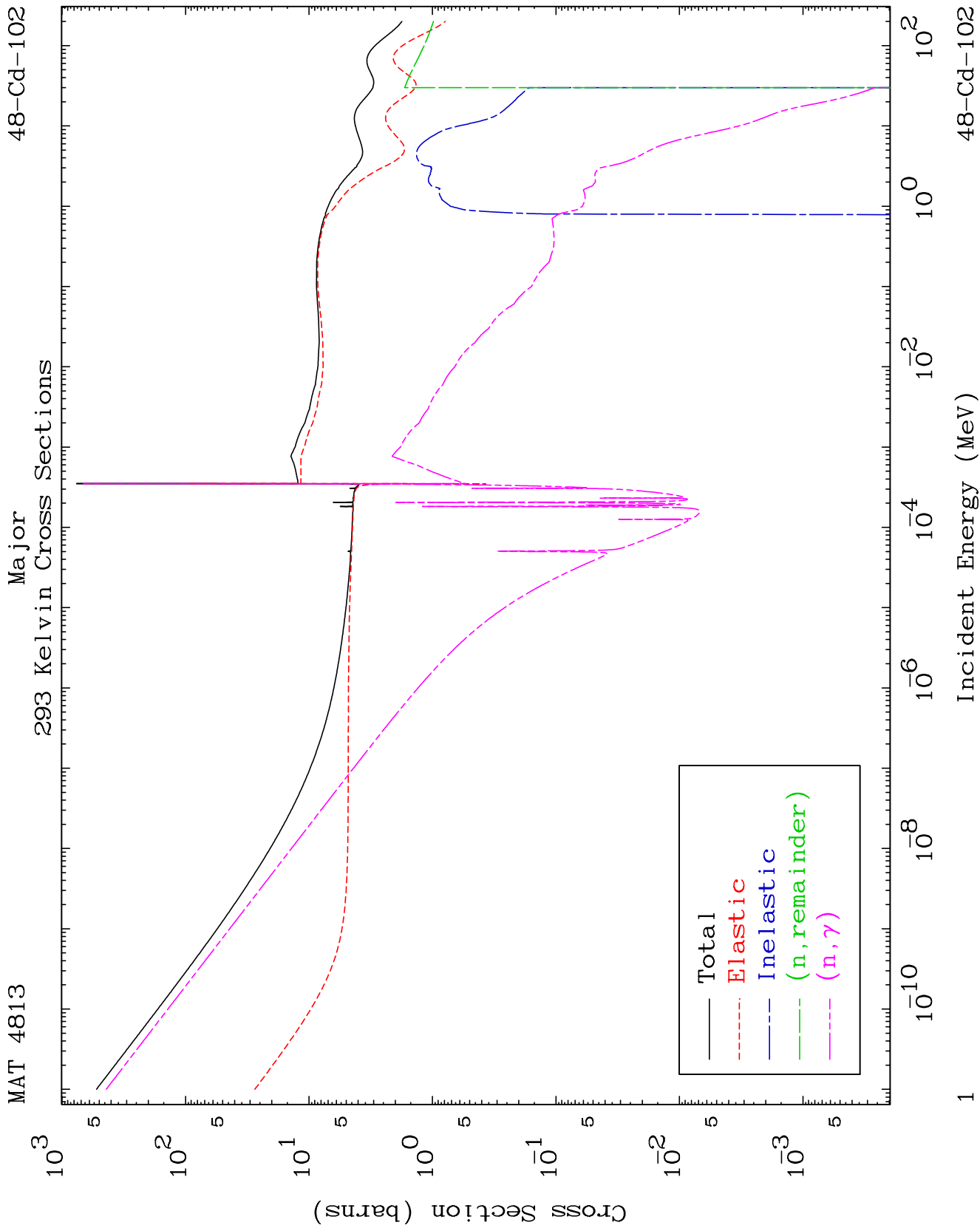
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

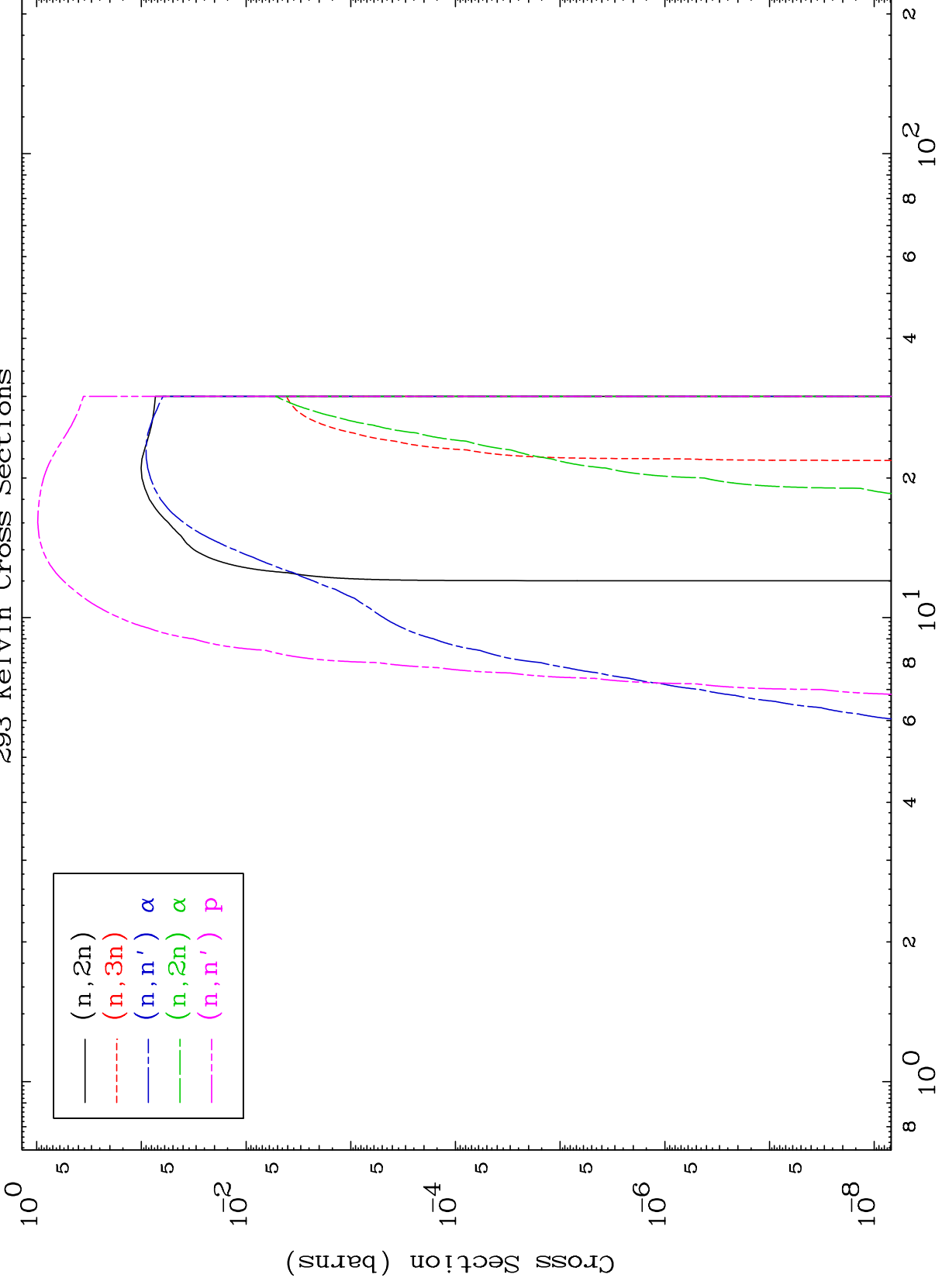
Press Mouse Button to Start



MAT 4813

Neutron Production
293 Kelvin Cross Sections

48-Cd-102



48-Cd-102

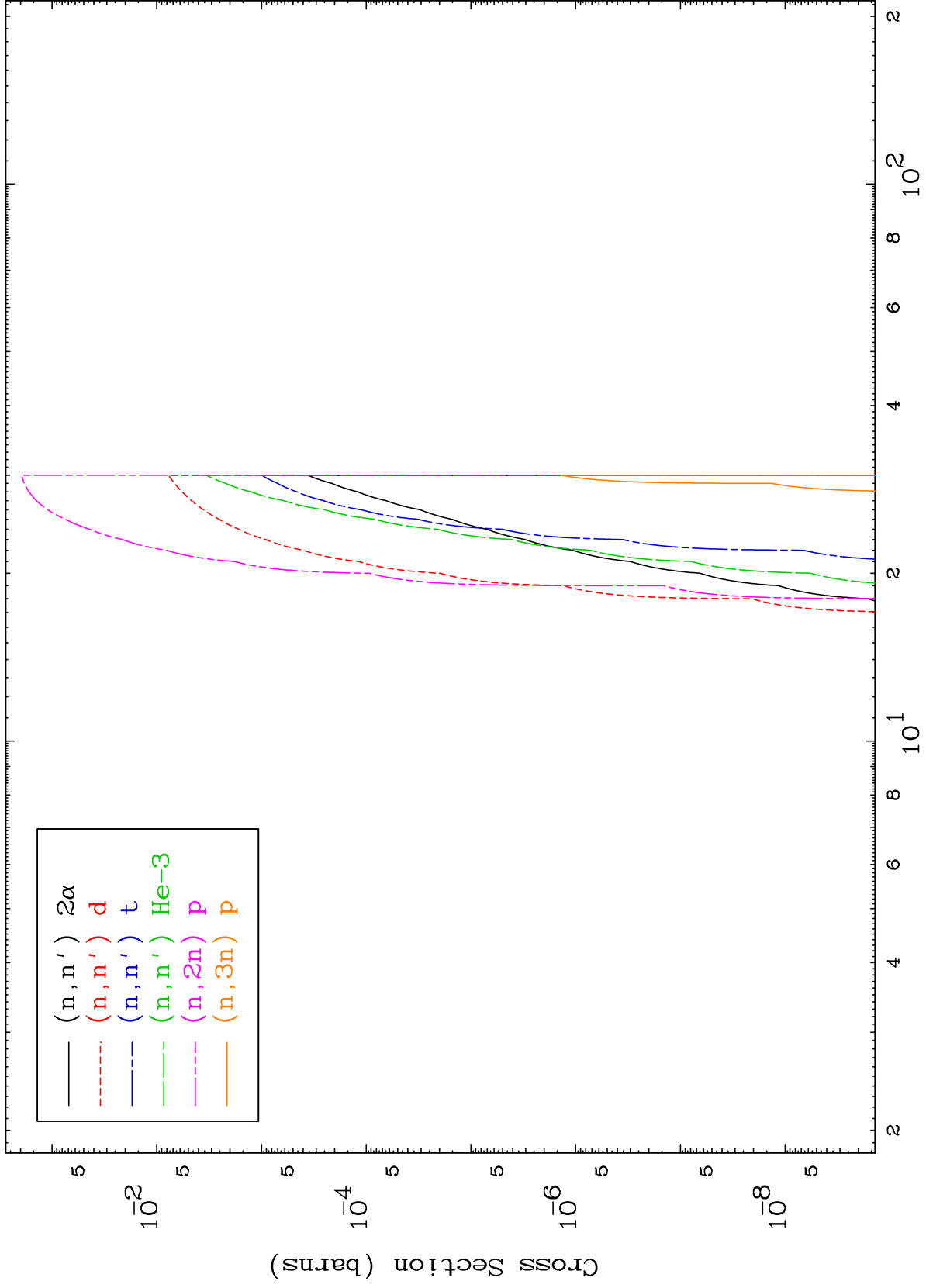
Incident Energy (MeV)

2

MAT 4813

Neutron Production
293 Kelvin Cross Sections

48-Cd-102



48-Cd-102

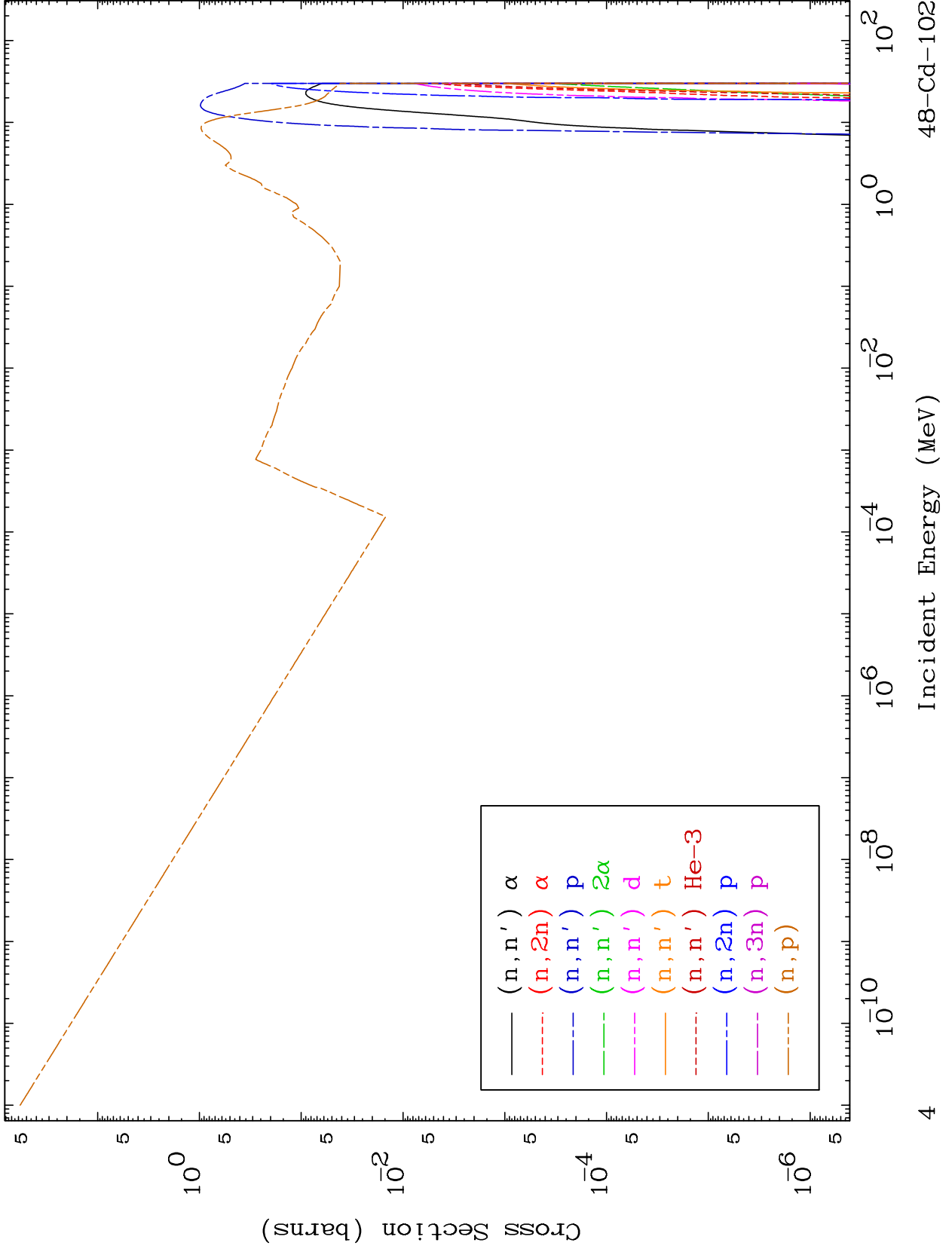
Incident Energy (MeV)

3

MAT 4813

Charged Particle
293 Kelvin Cross Sections

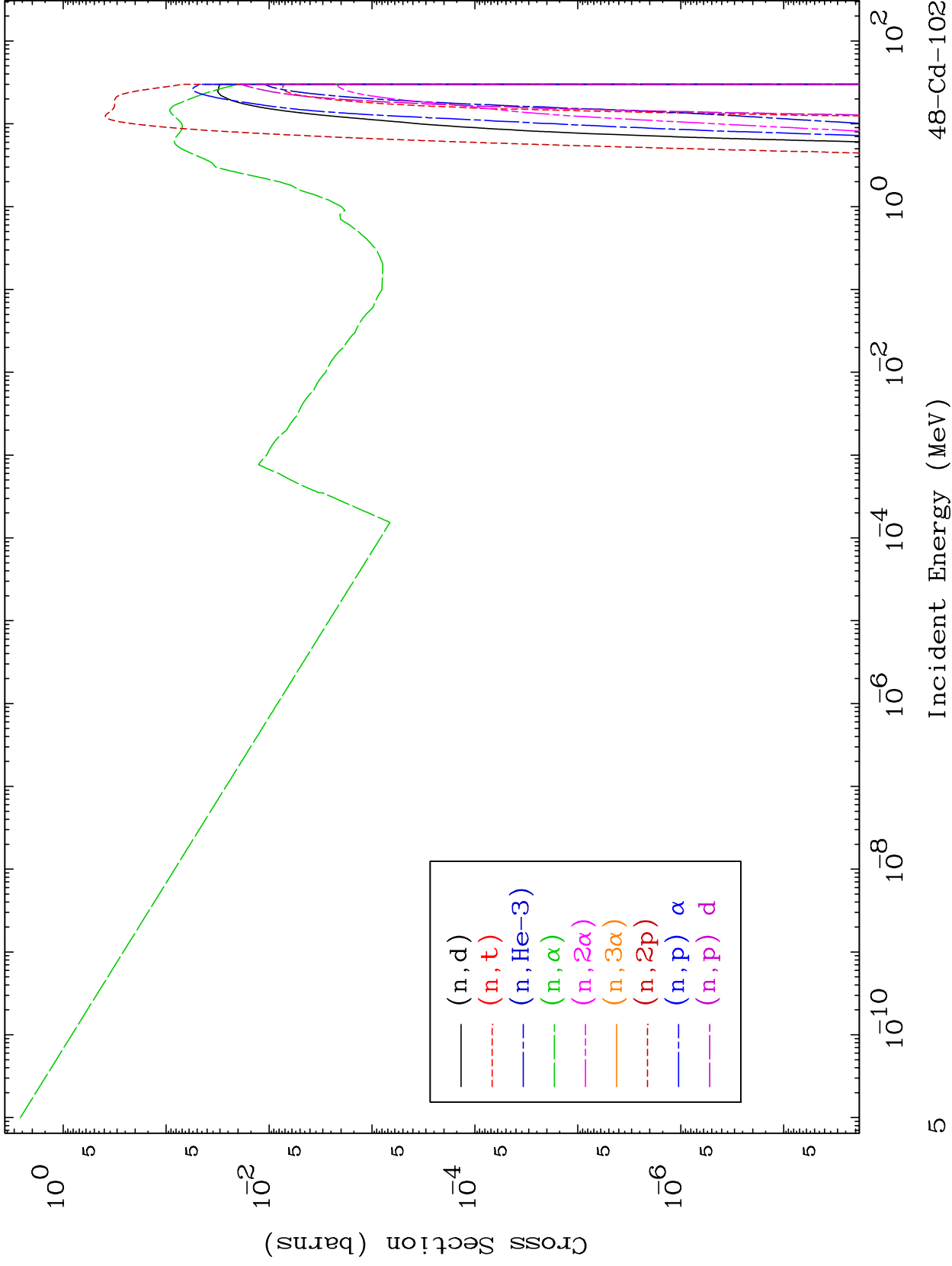
48-Cd-102



MAT 4813

Charged Particle
293 Kelvin Cross Sections

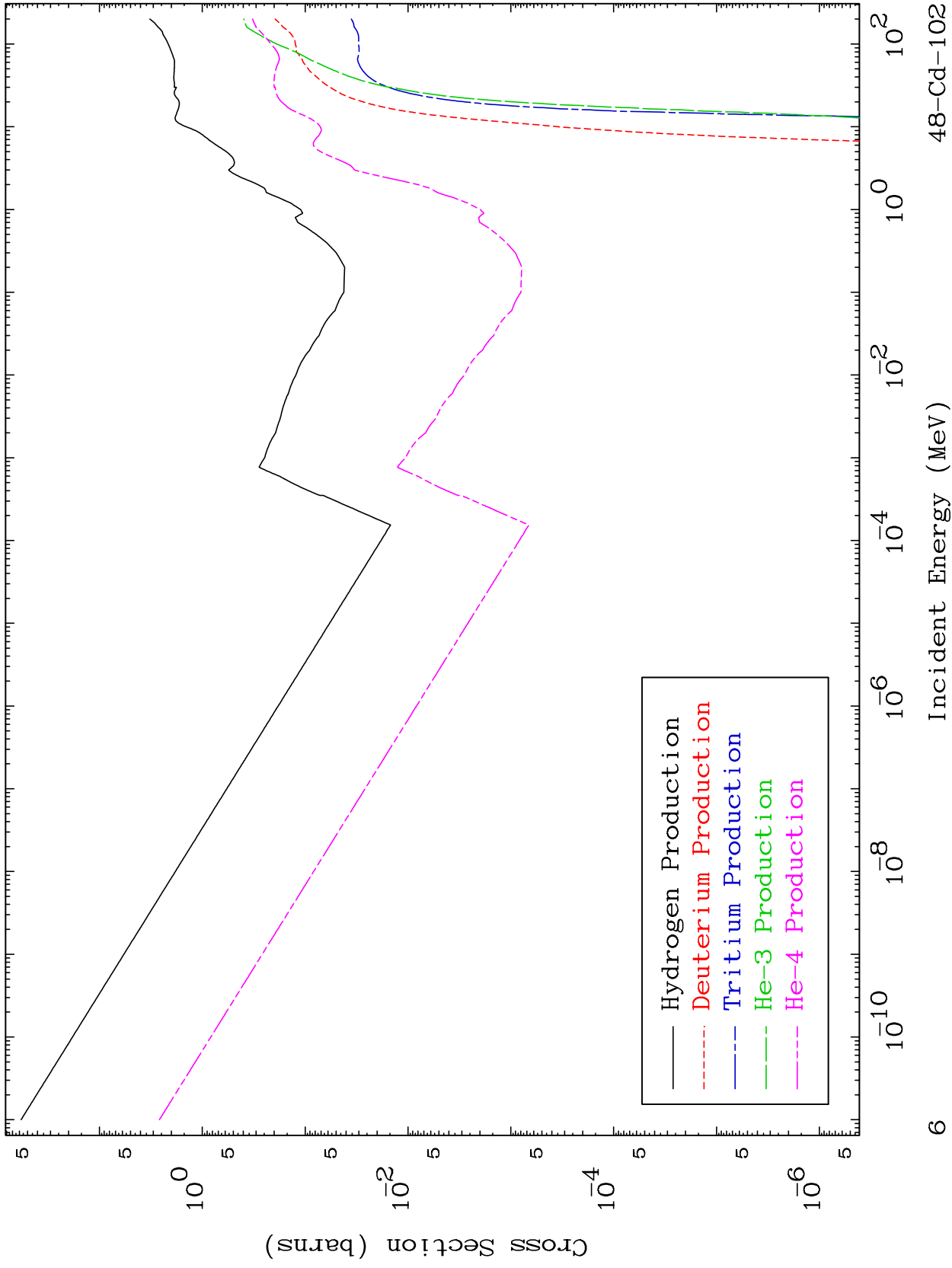
48-Cd-102



MAT 4813

Particle Production
293 Kelvin Cross Sections

48-Cd-102

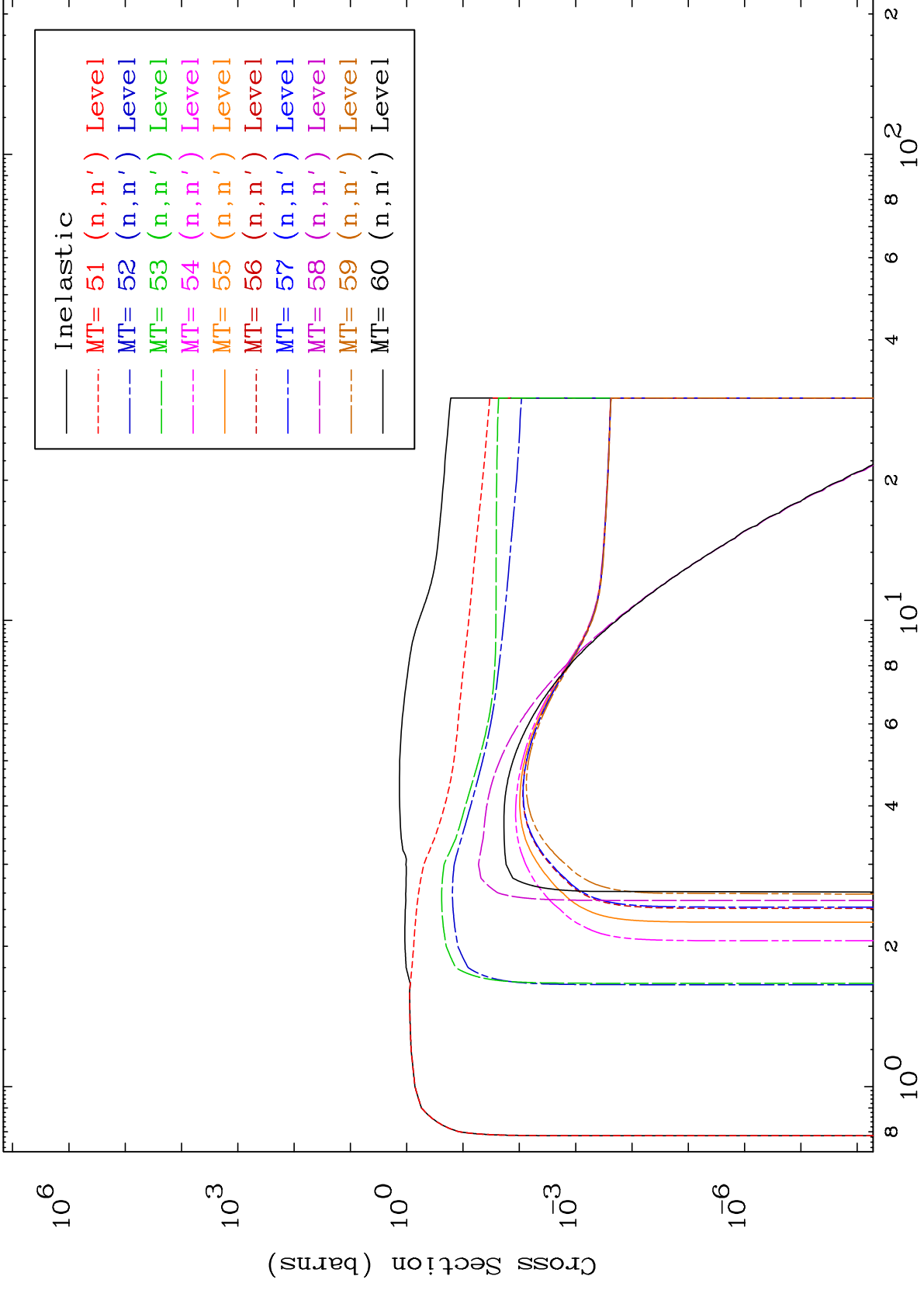


MAT 4813

(n,n') Level

48-Cd-102

293 Kelvin Cross Sections



7

Incident Energy (MeV)

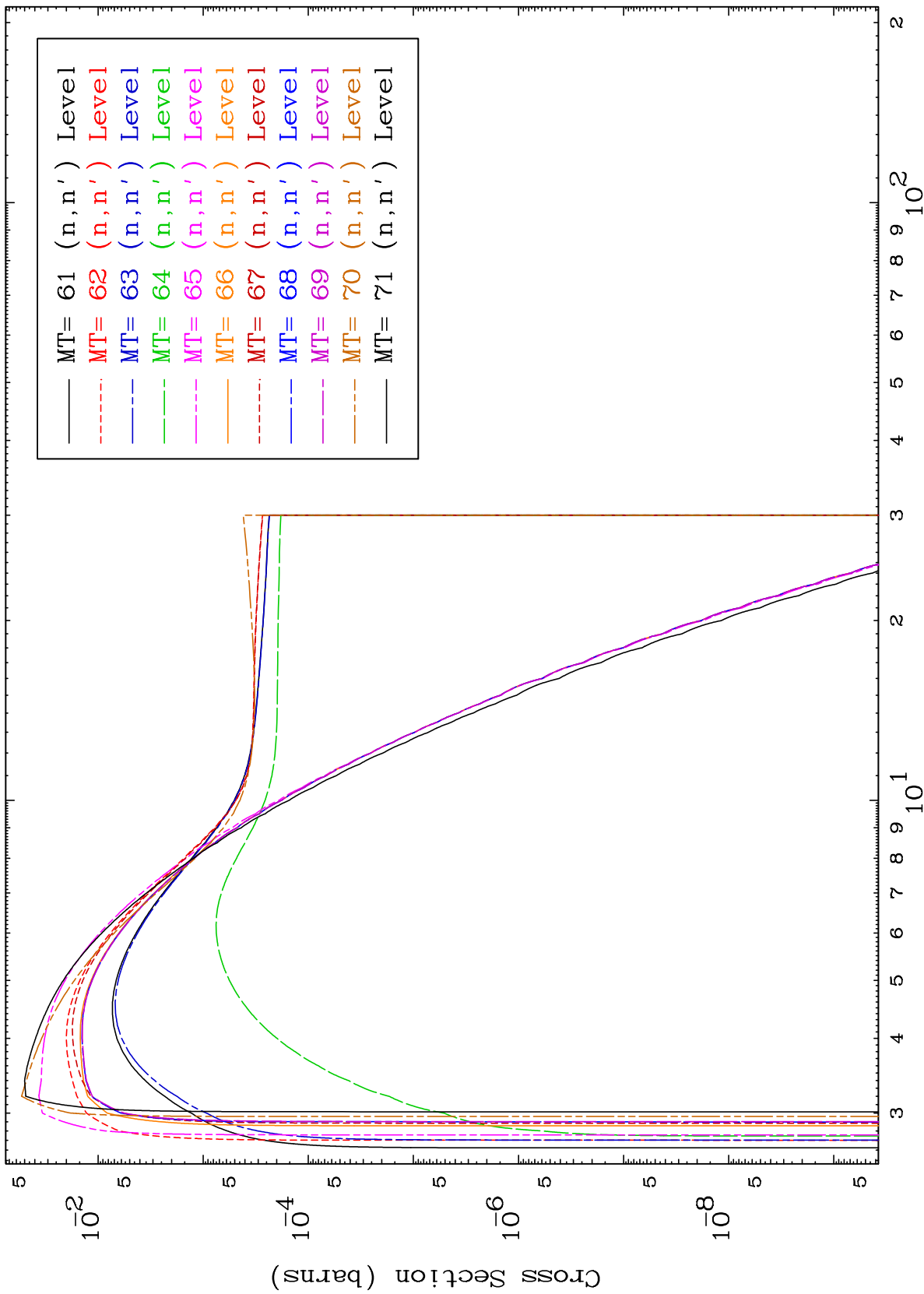
48-Cd-102

MAT 4813

(n,n') Level

48-Cd-102

293 Kelvin Cross Sections



8

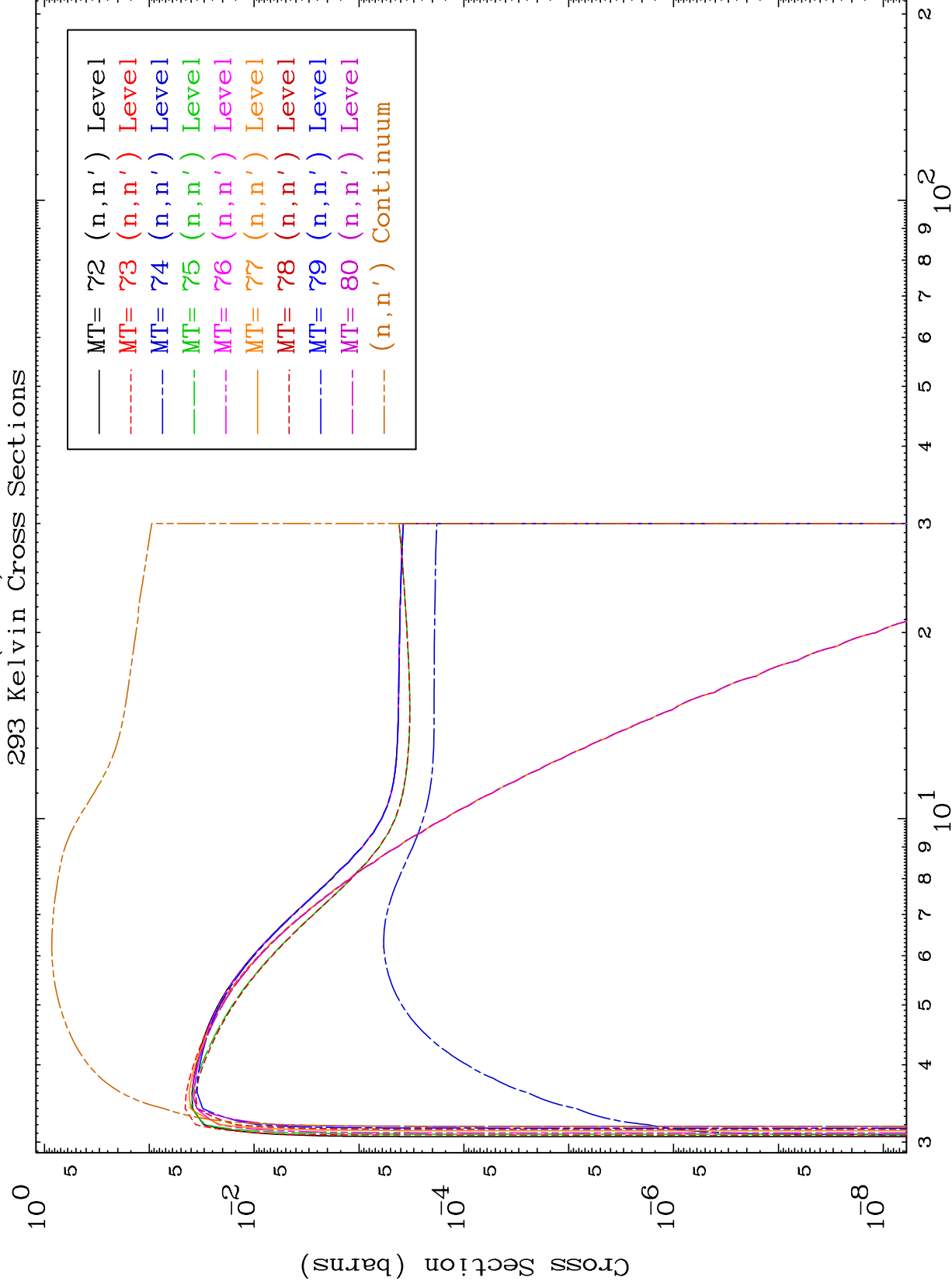
Incident Energy (MeV)

48-Cd-102

MAT 4813

(n,n') Level

48-Cd-102



9

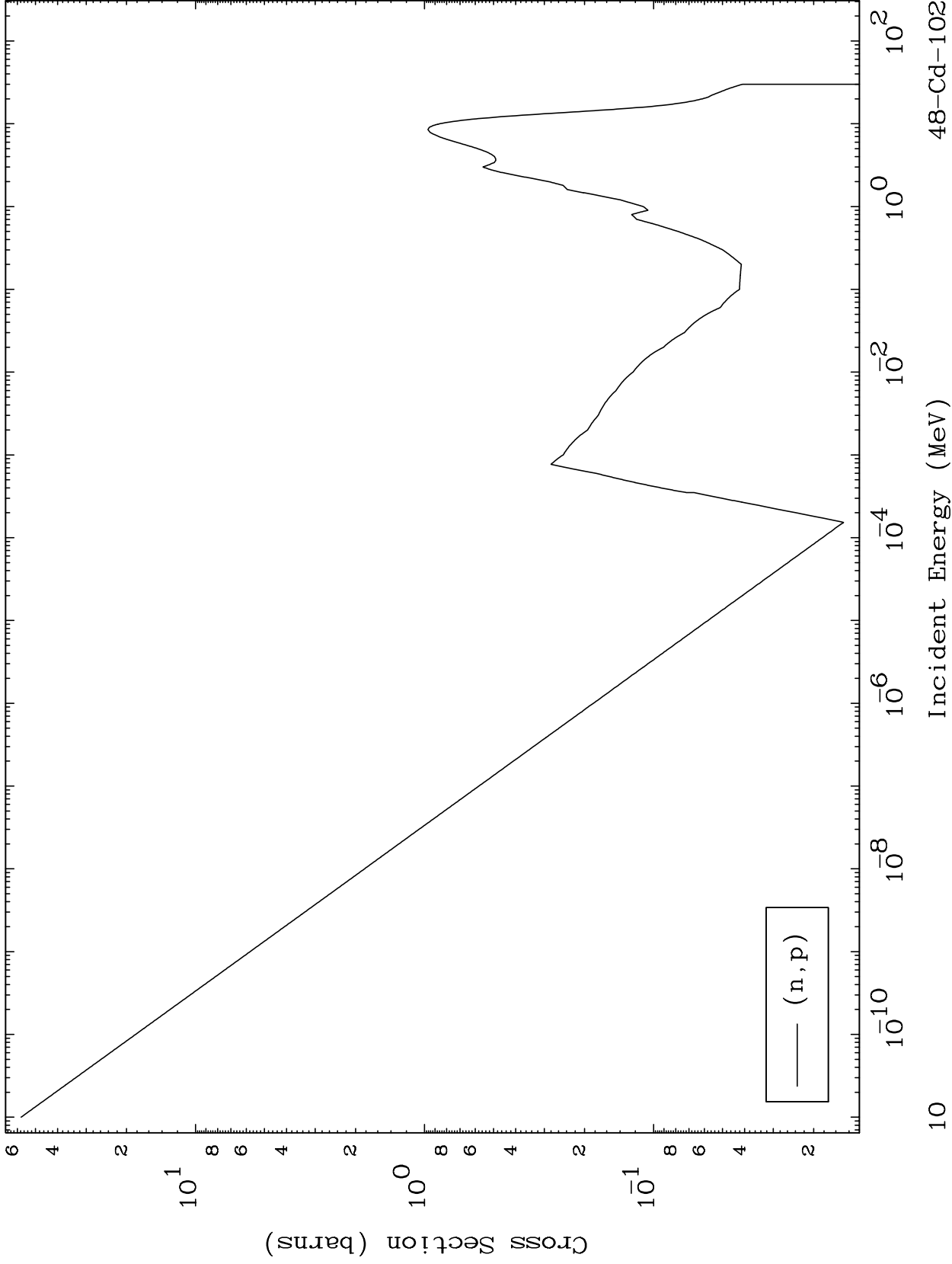
Incident Energy (MeV)

48-Cd-102

MAT 4813

(n,p) Levels
293 Kelvin Cross Sections

48-Cd-102



10

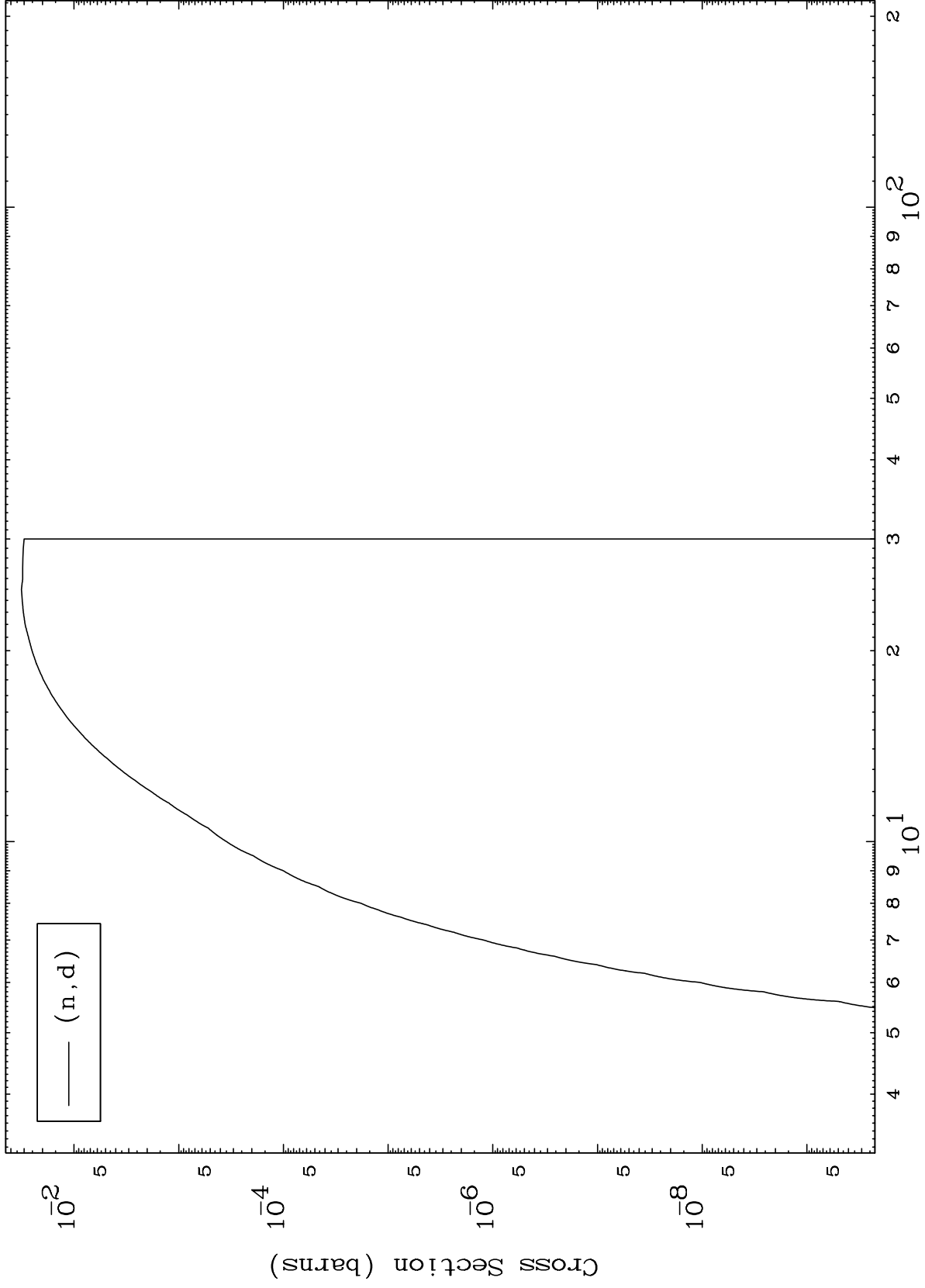
Incident Energy (MeV)

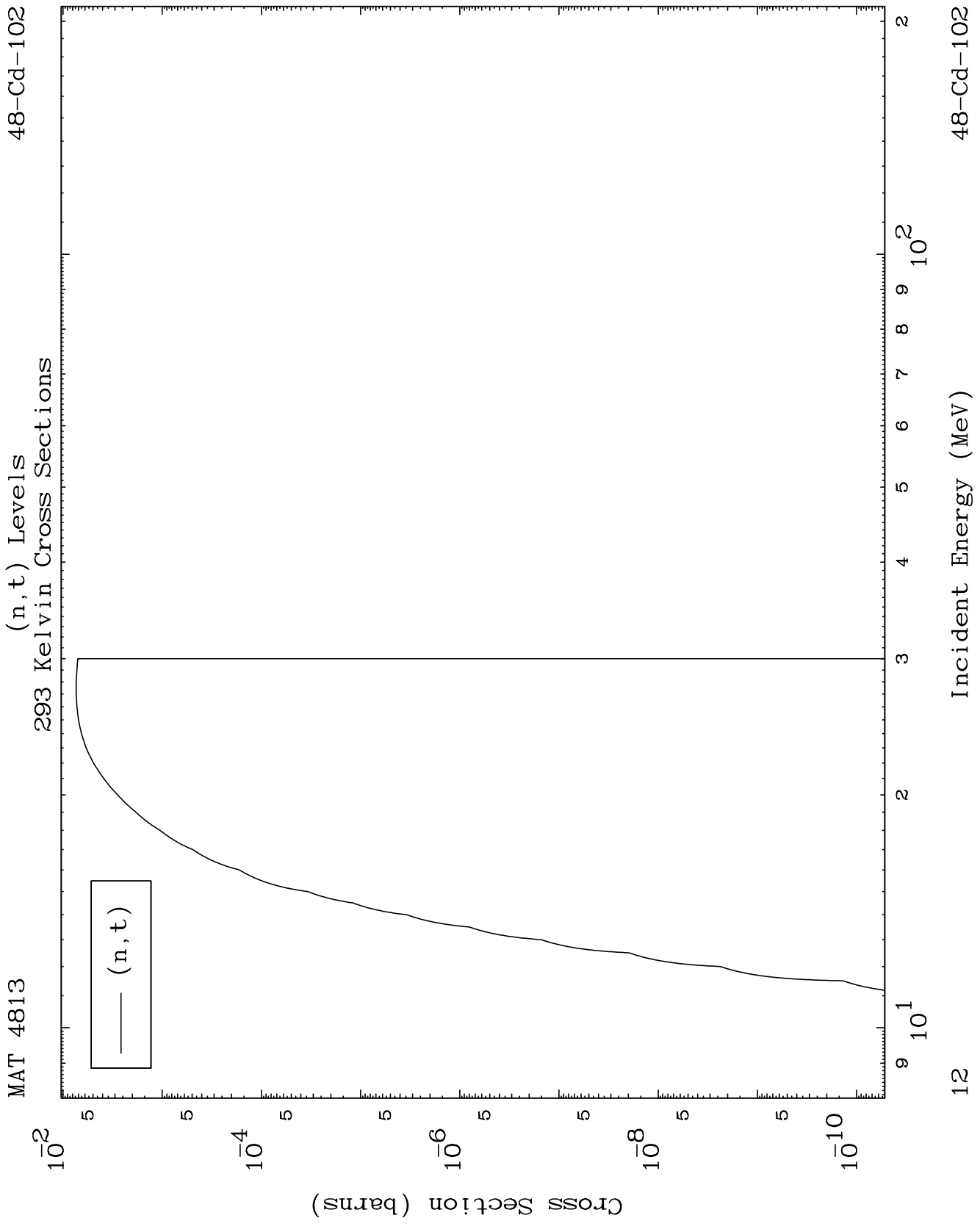
48-Cd-102

MAT 4813

(n,d) Levels
293 Kelvin Cross Sections

48-Cd-102

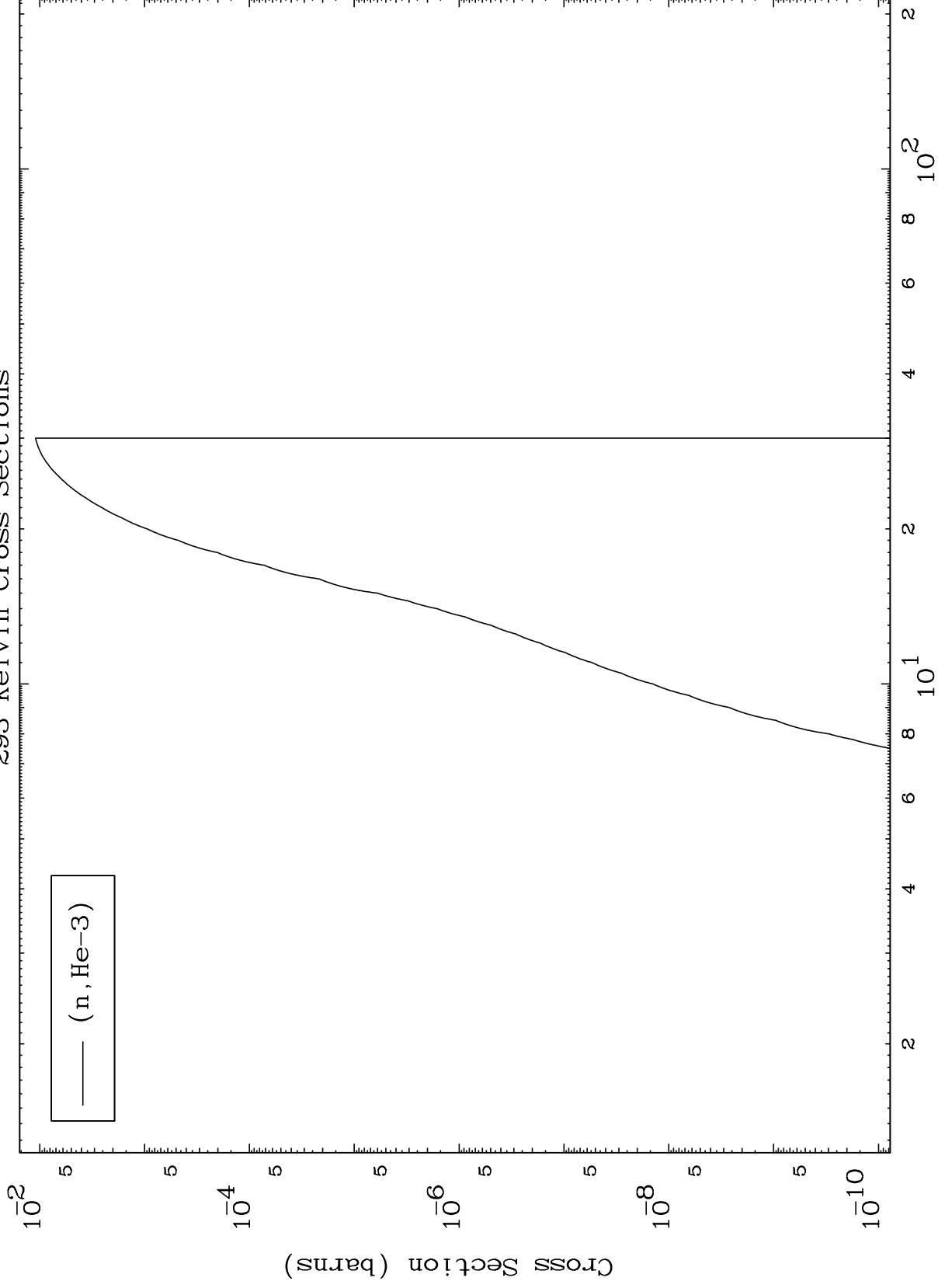




MAT 4813

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-102



13

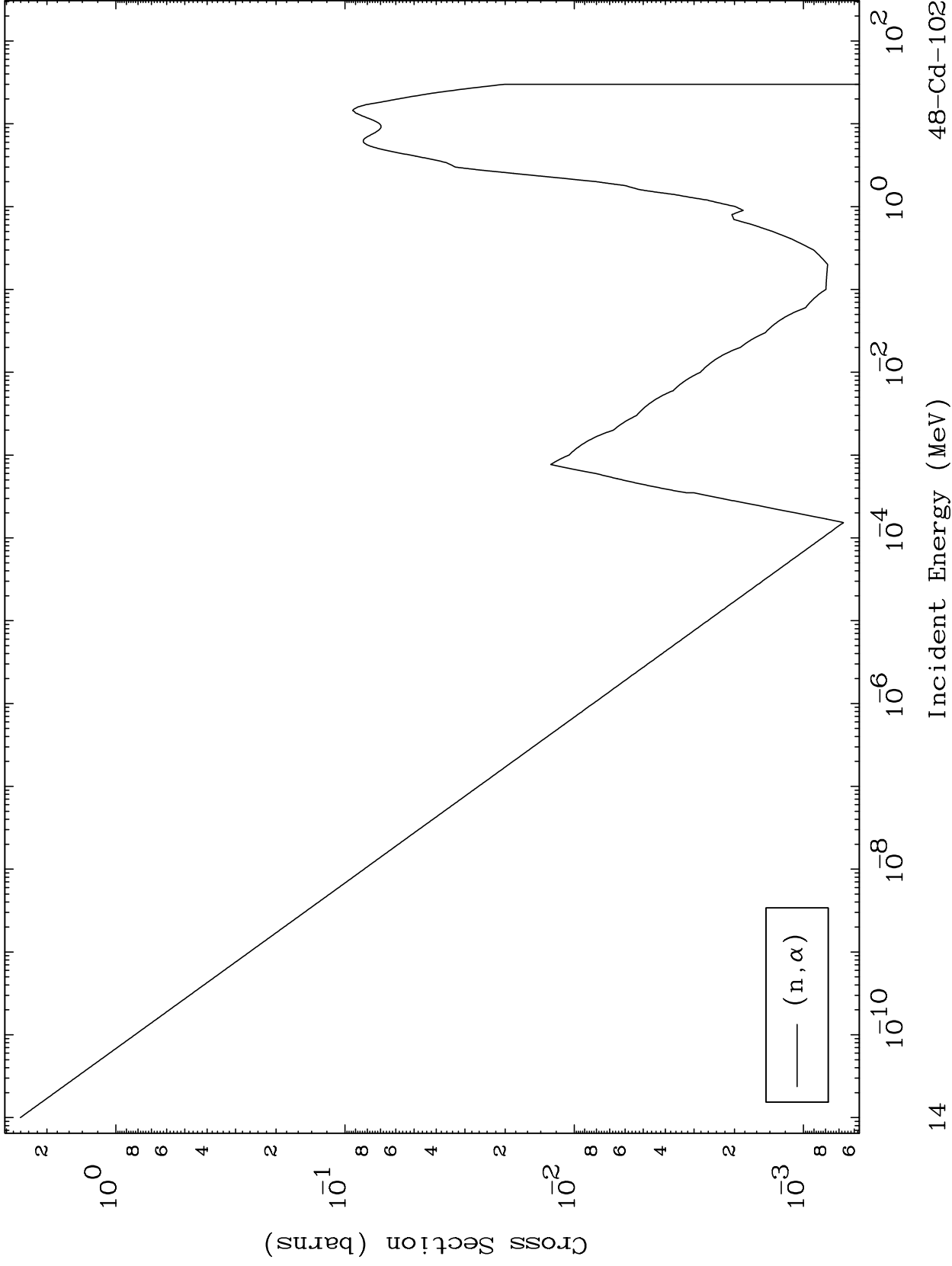
Incident Energy (MeV)

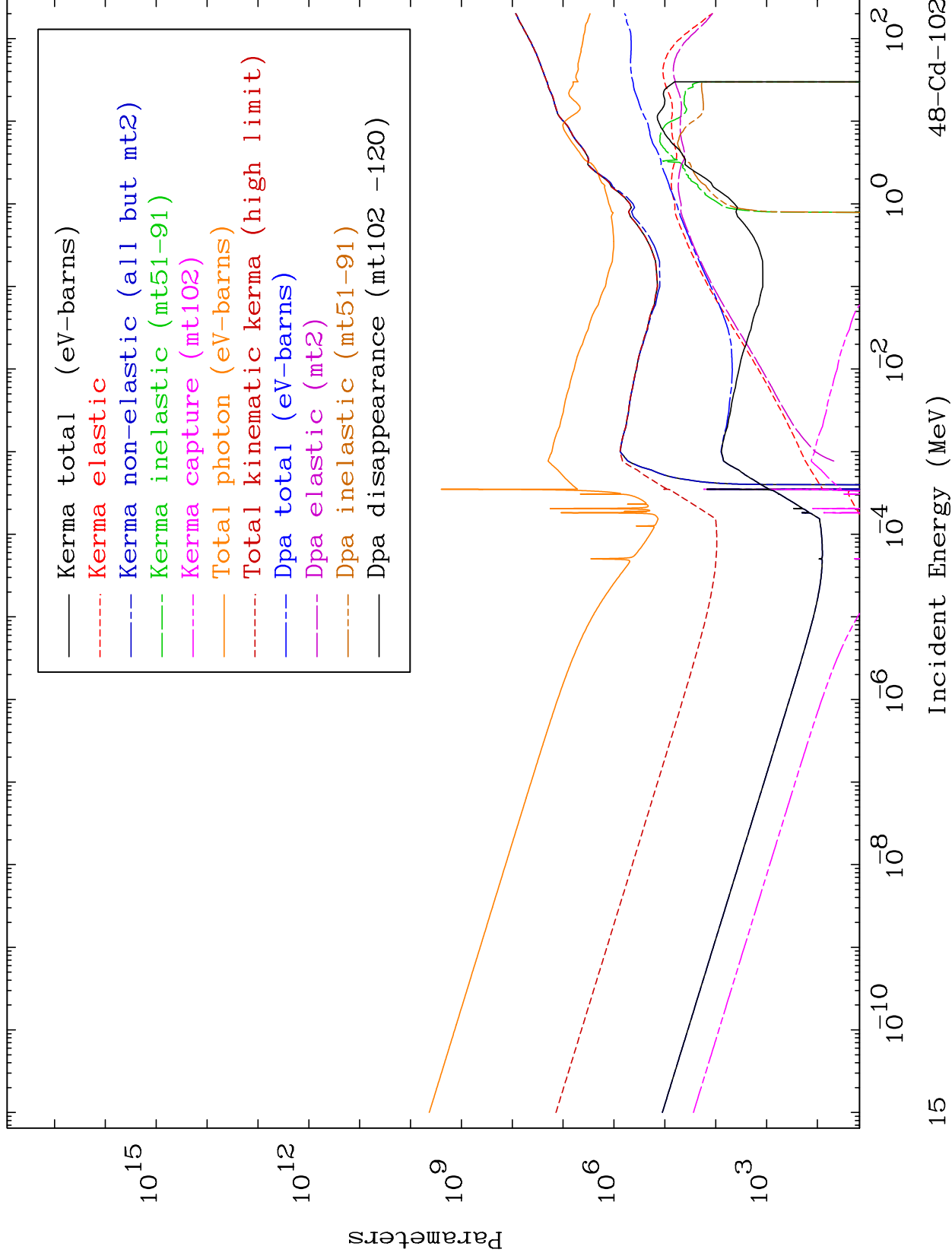
48-Cd-102

MAT 4813

(n,α) Levels
293 Kelvin Cross Sections

48-Cd-102

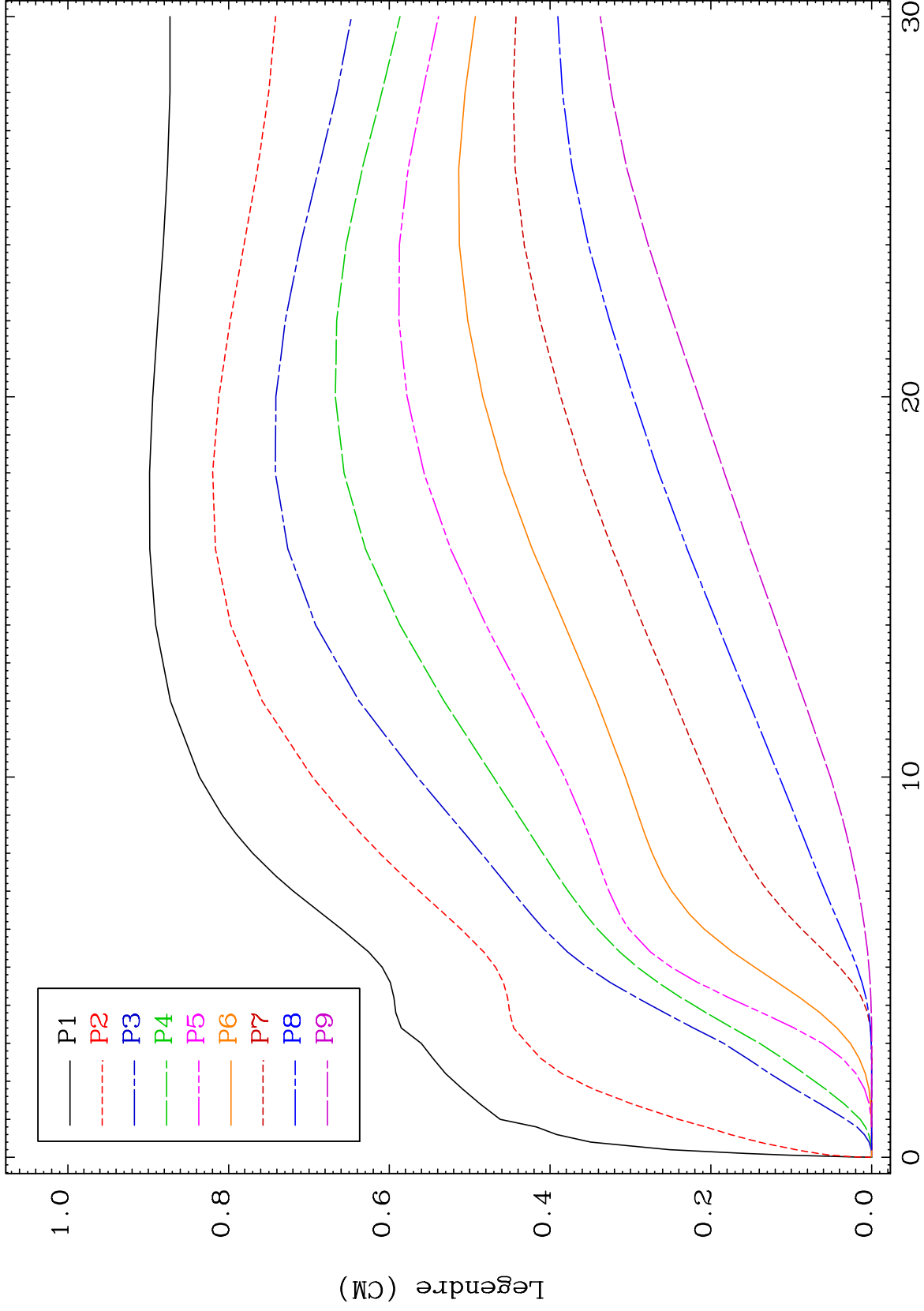




MAT 4813

Elastic Legendre Coefficients

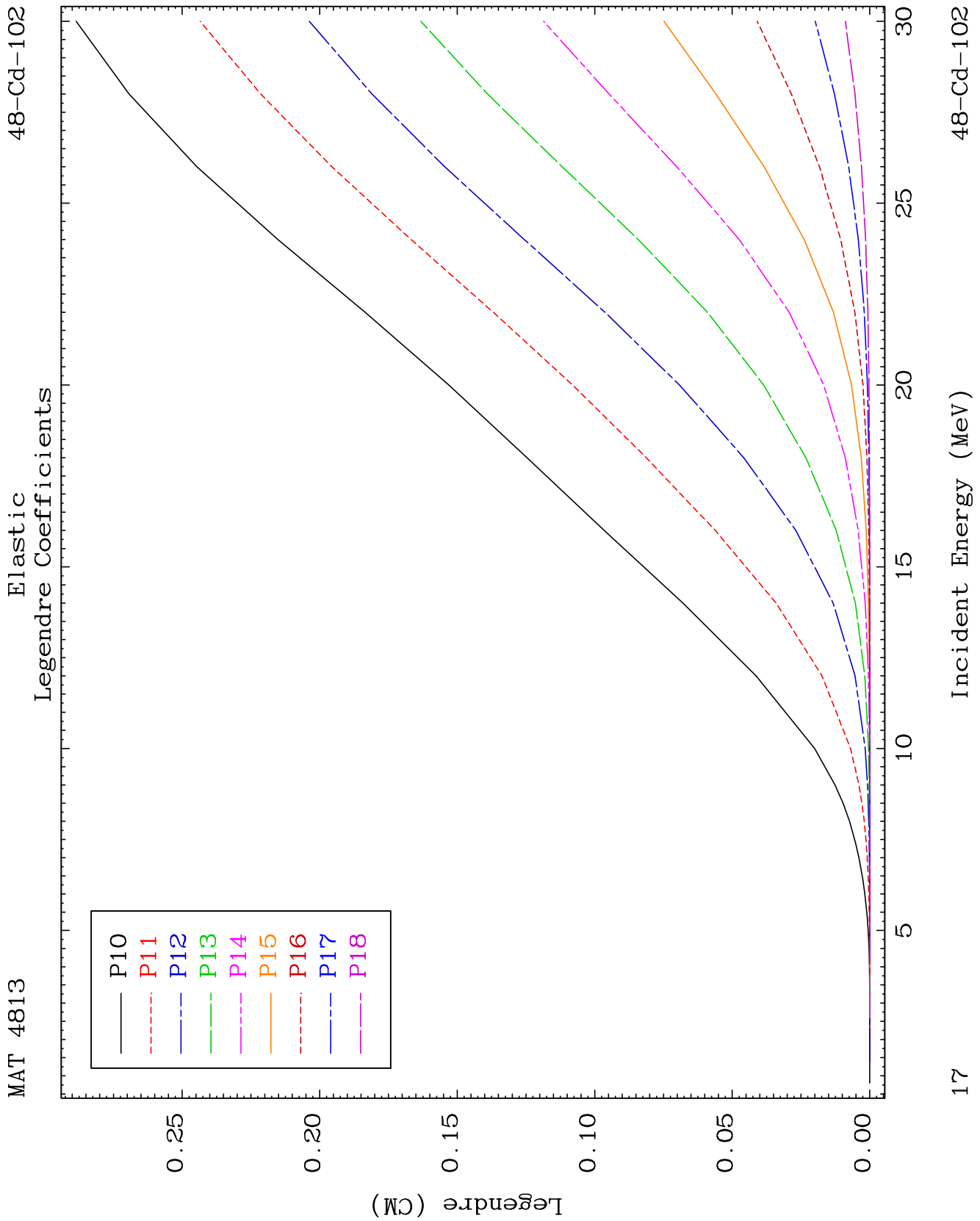
48-Cd-102



16

Incident Energy (MeV)

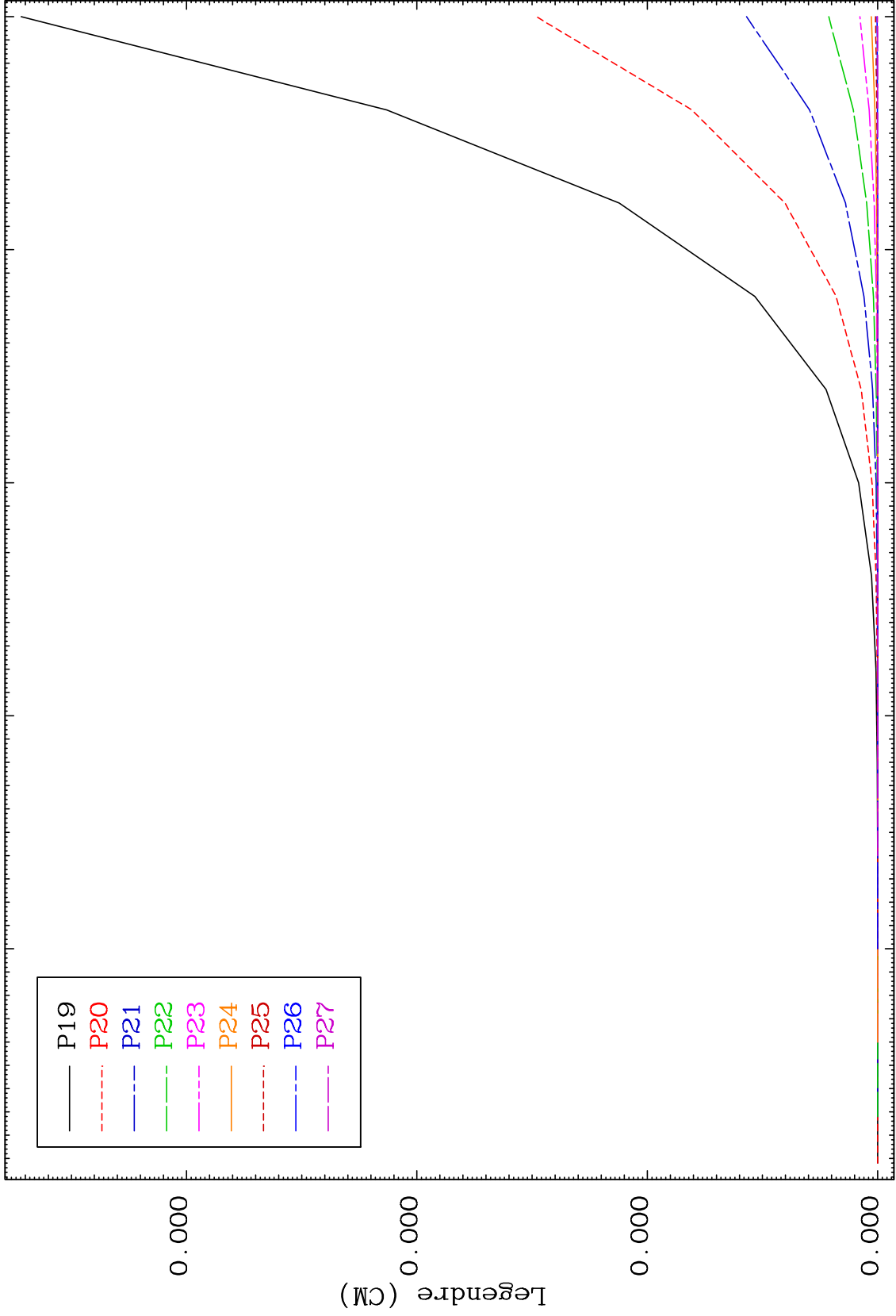
48-Cd-102



MAT 4813

Elastic Legendre Coefficients

48-Cd-102



18

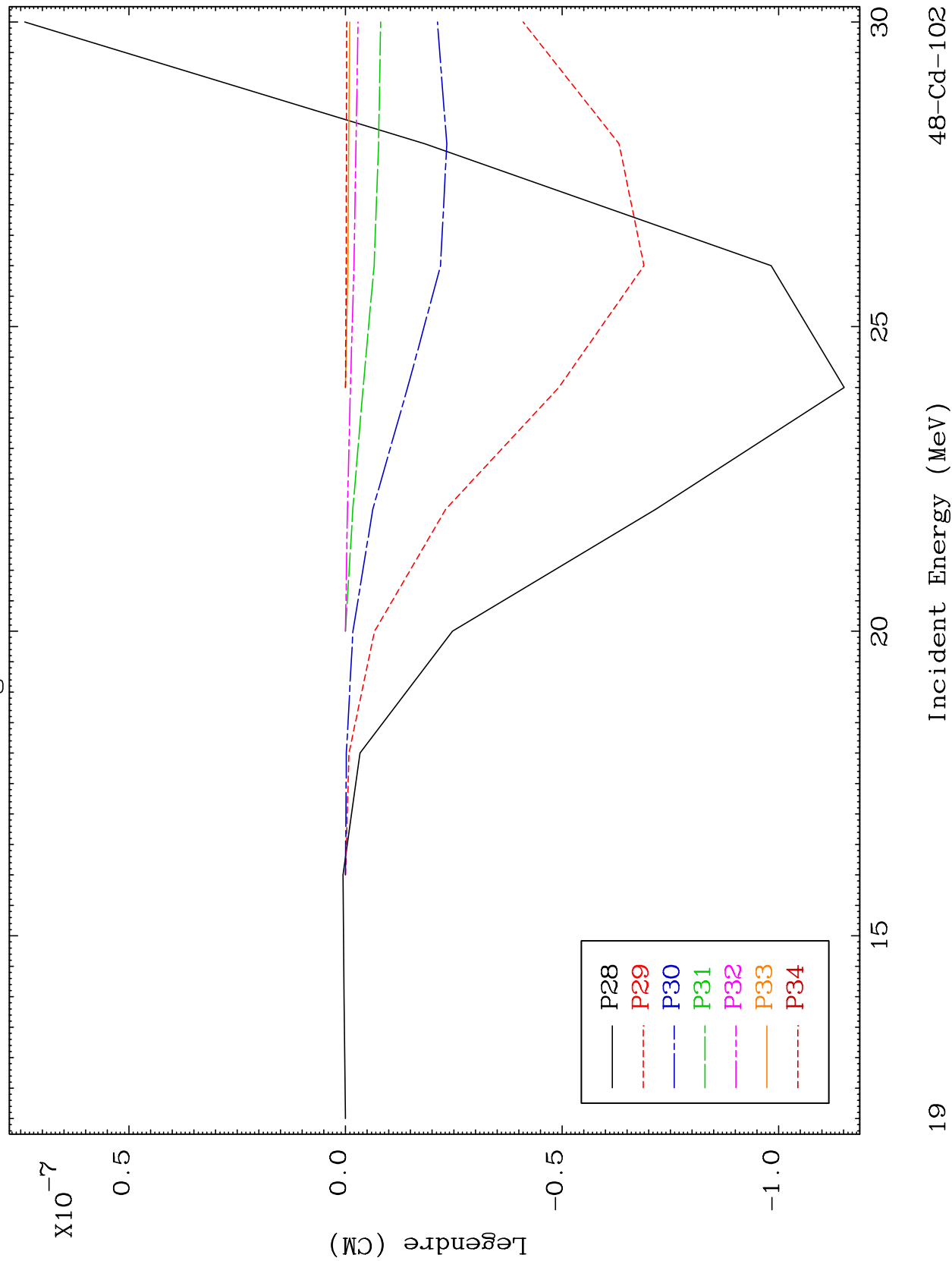
Incident Energy (MeV)

48-Cd-102

MAT 4813

Elastic Legendre Coefficients

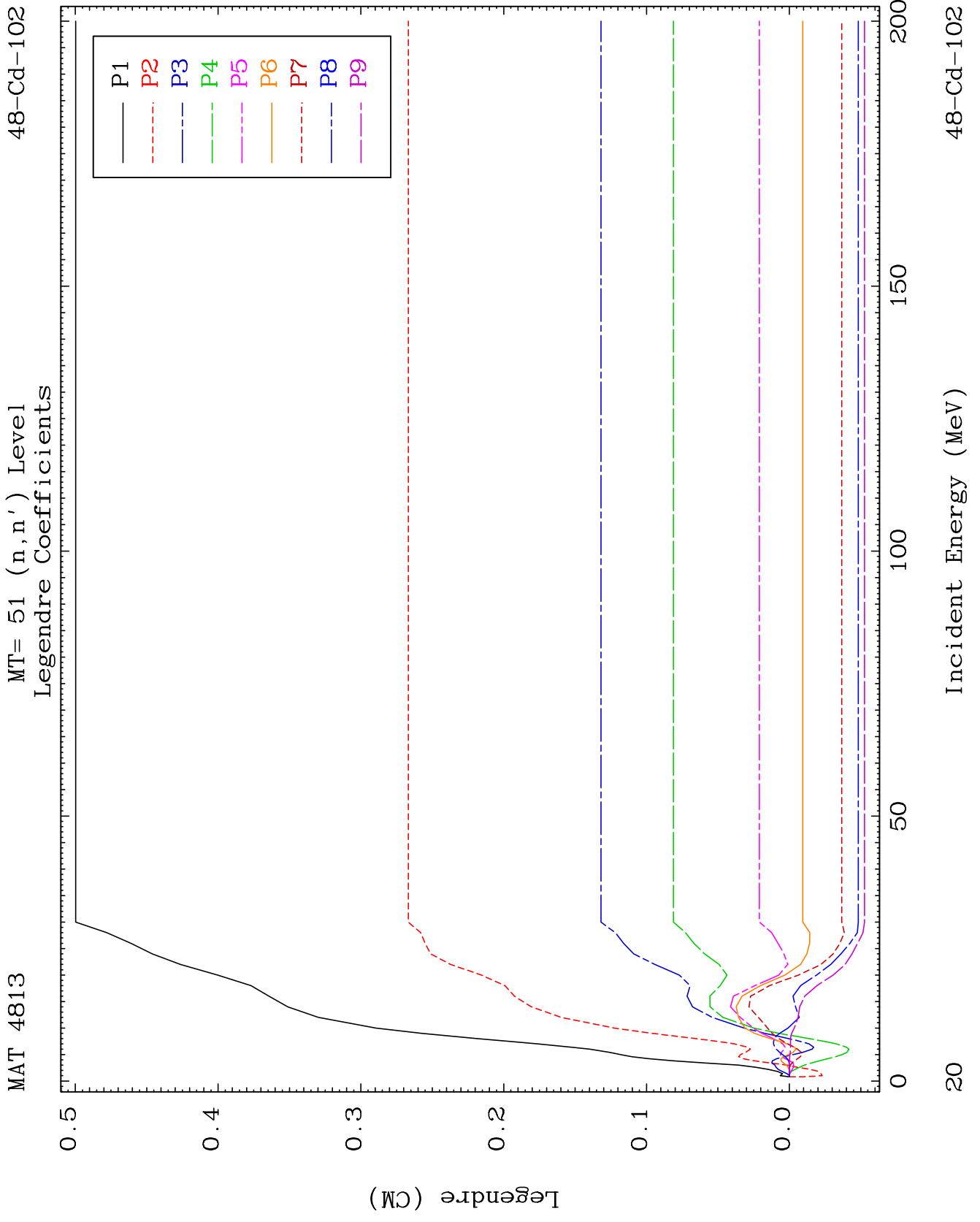
48-Cd-102



19

Incident Energy (MeV)

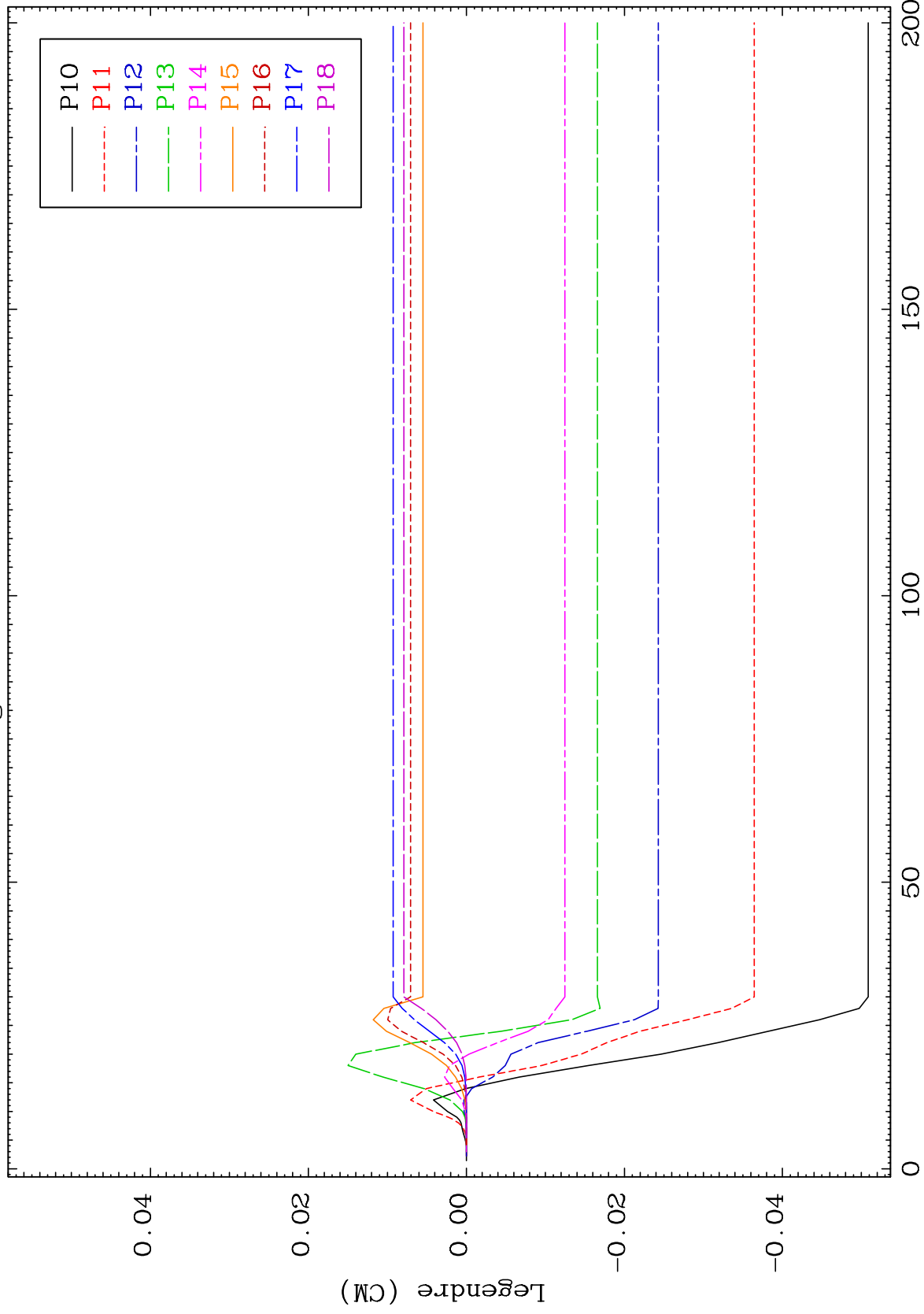
48-Cd-102



MAT 4813

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

48-Cd-102



21

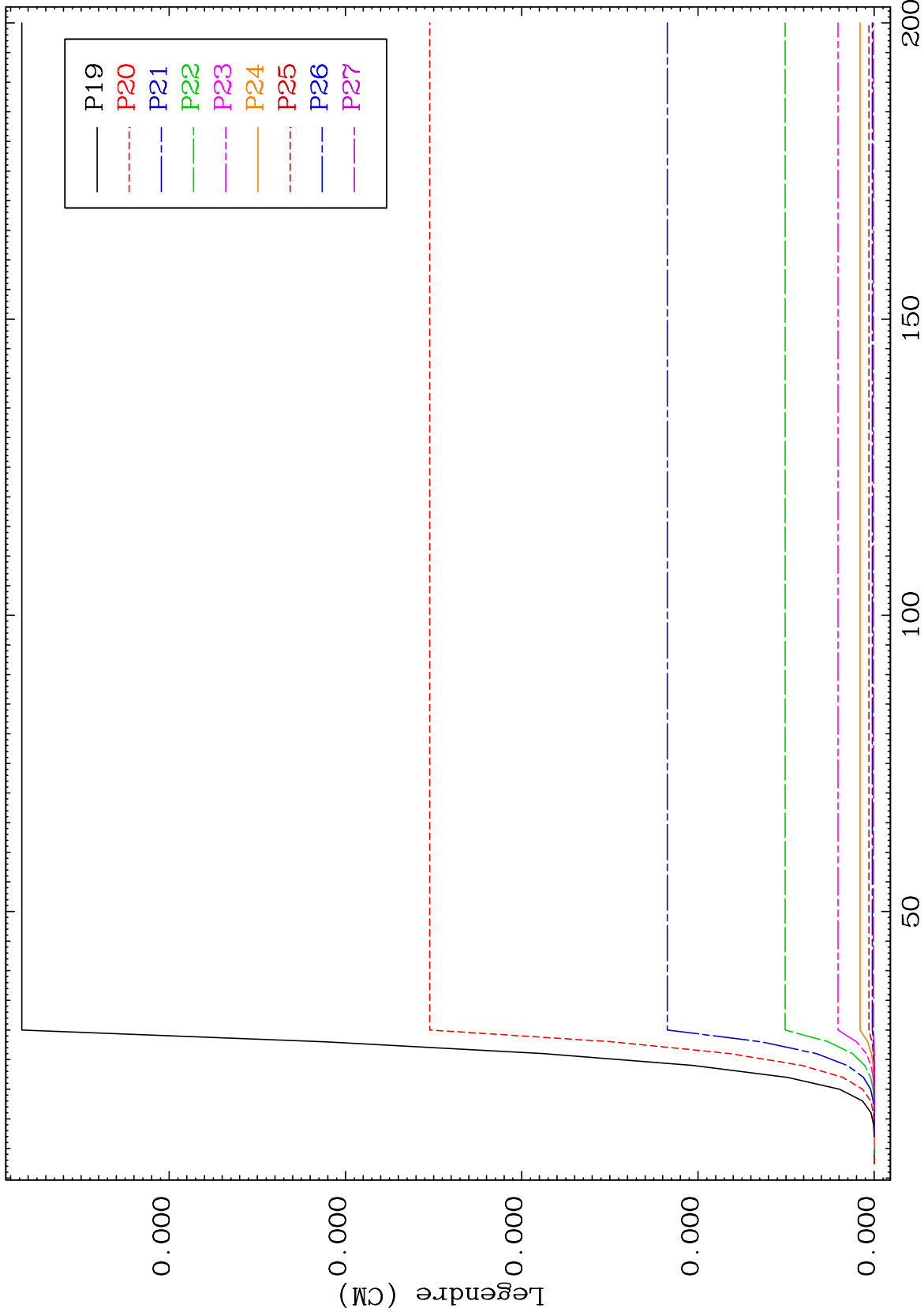
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

48-Cd-102



22

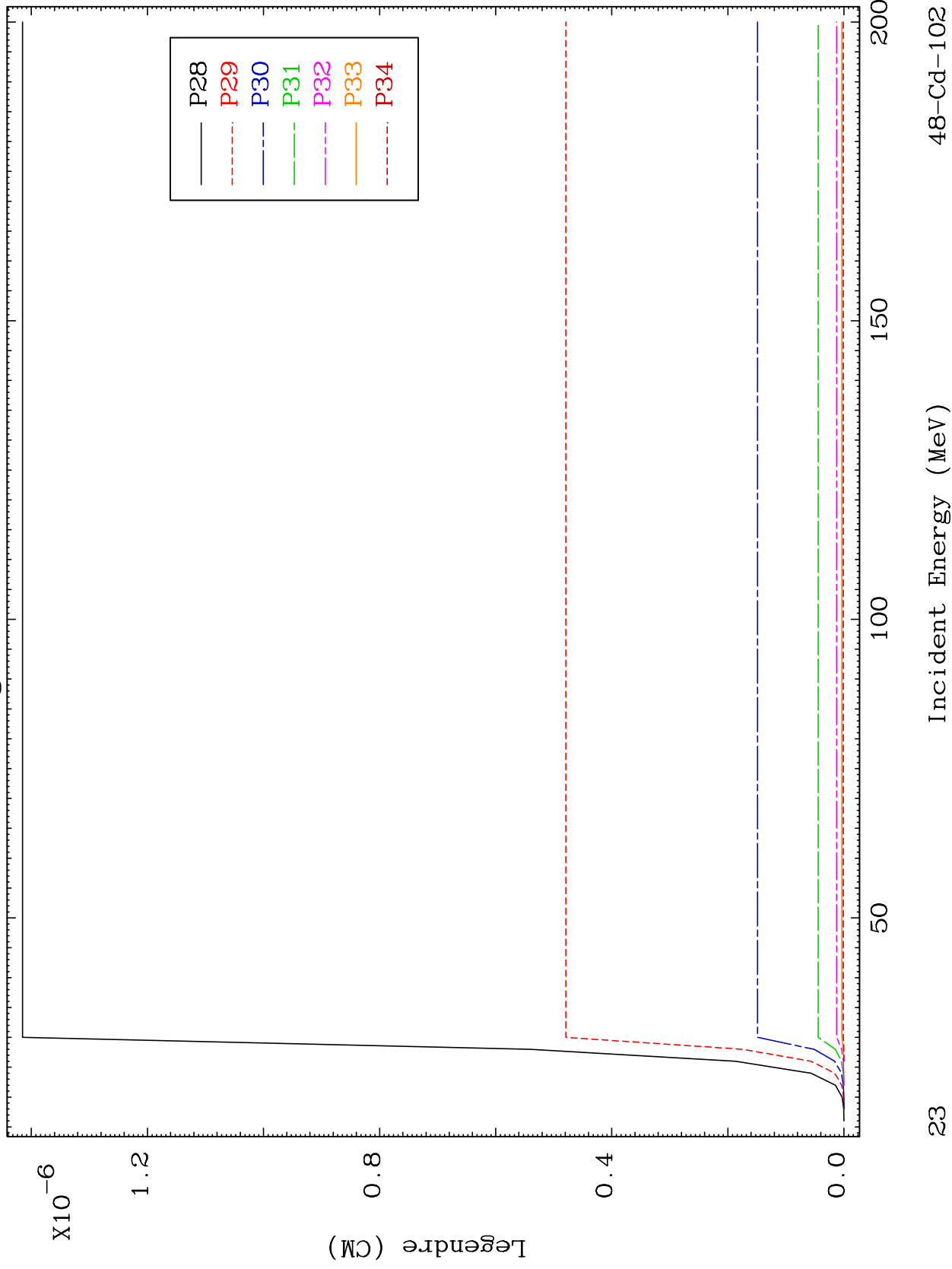
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

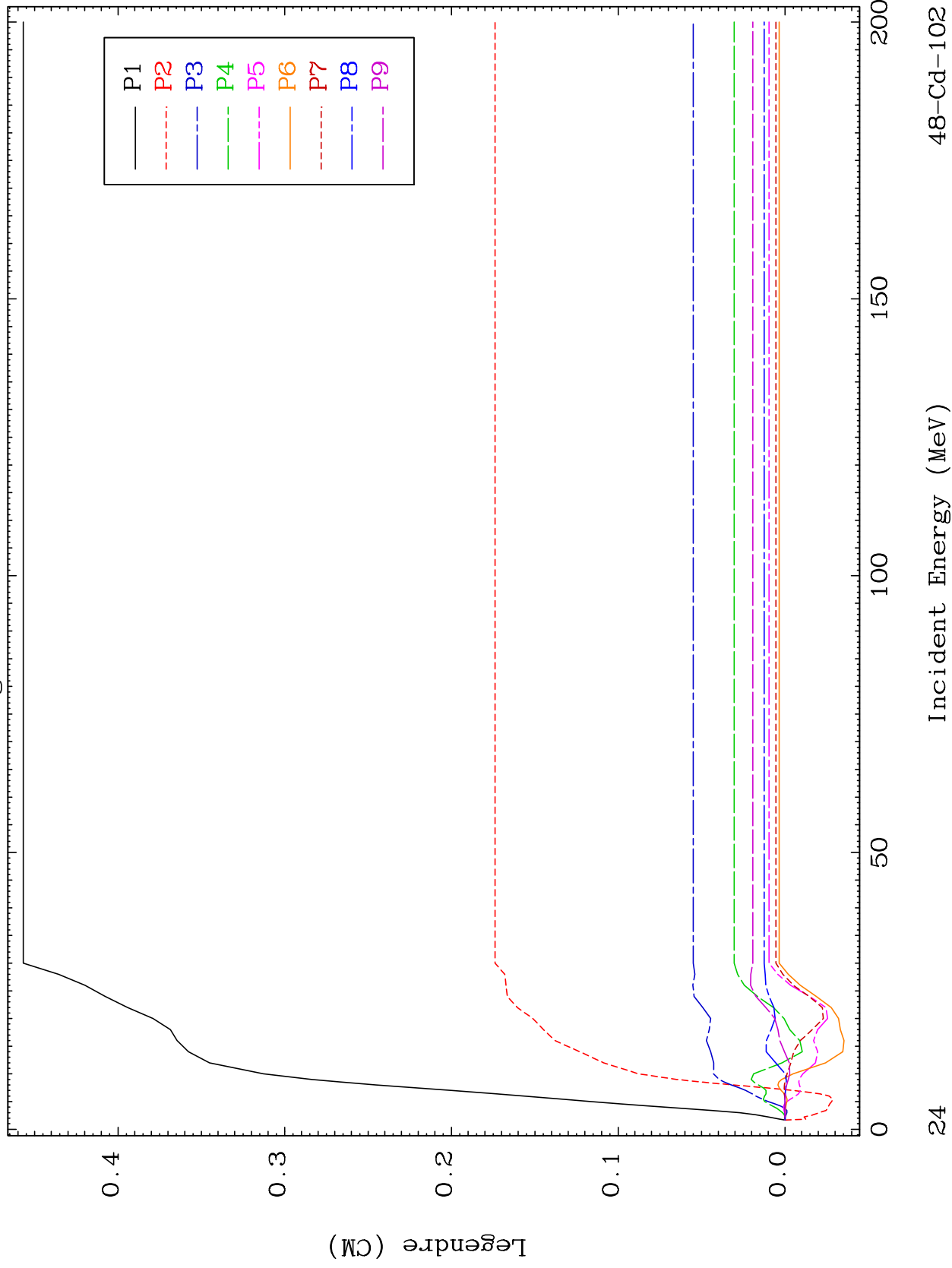
48-Cd-102



MAT 4813

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

48-Cd-102

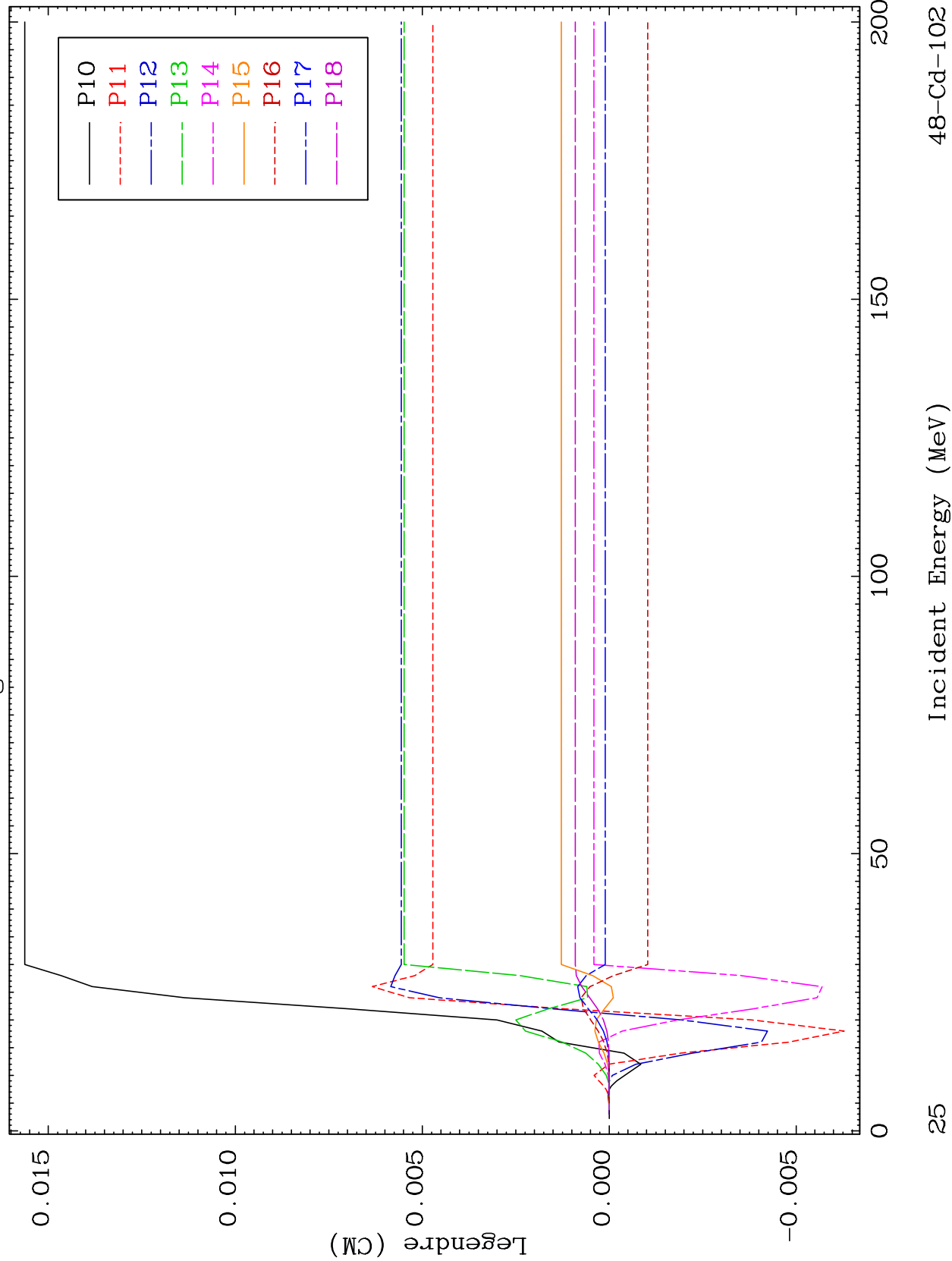


24

MAT 4813

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

48-Cd-102



48-Cd-102

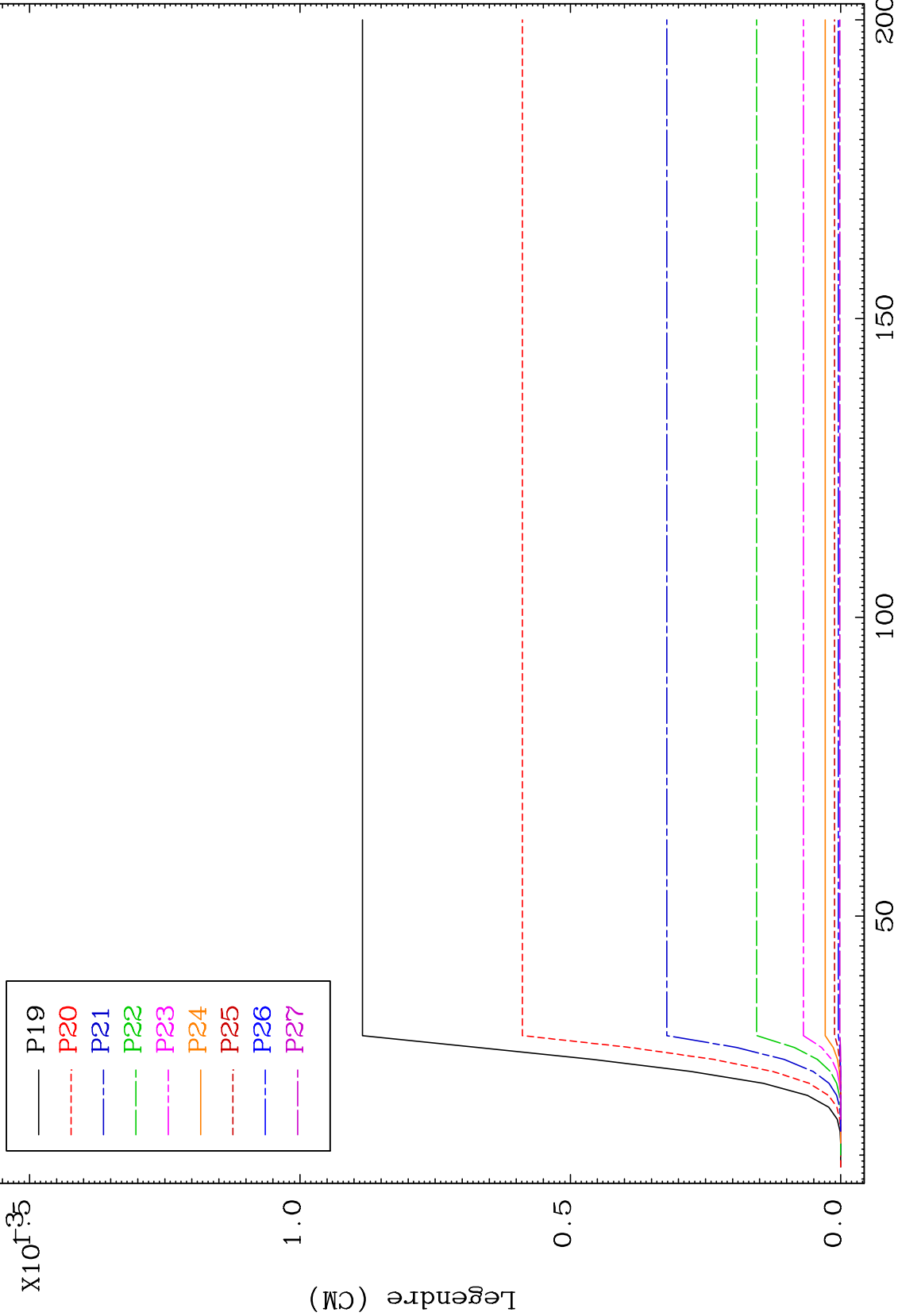
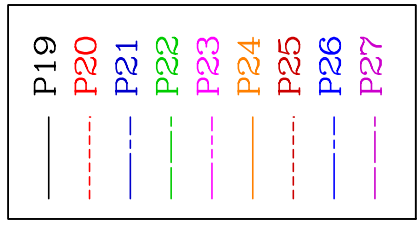
Incident Energy (MeV)

25

MAT 4813

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

48-Cd-102



26

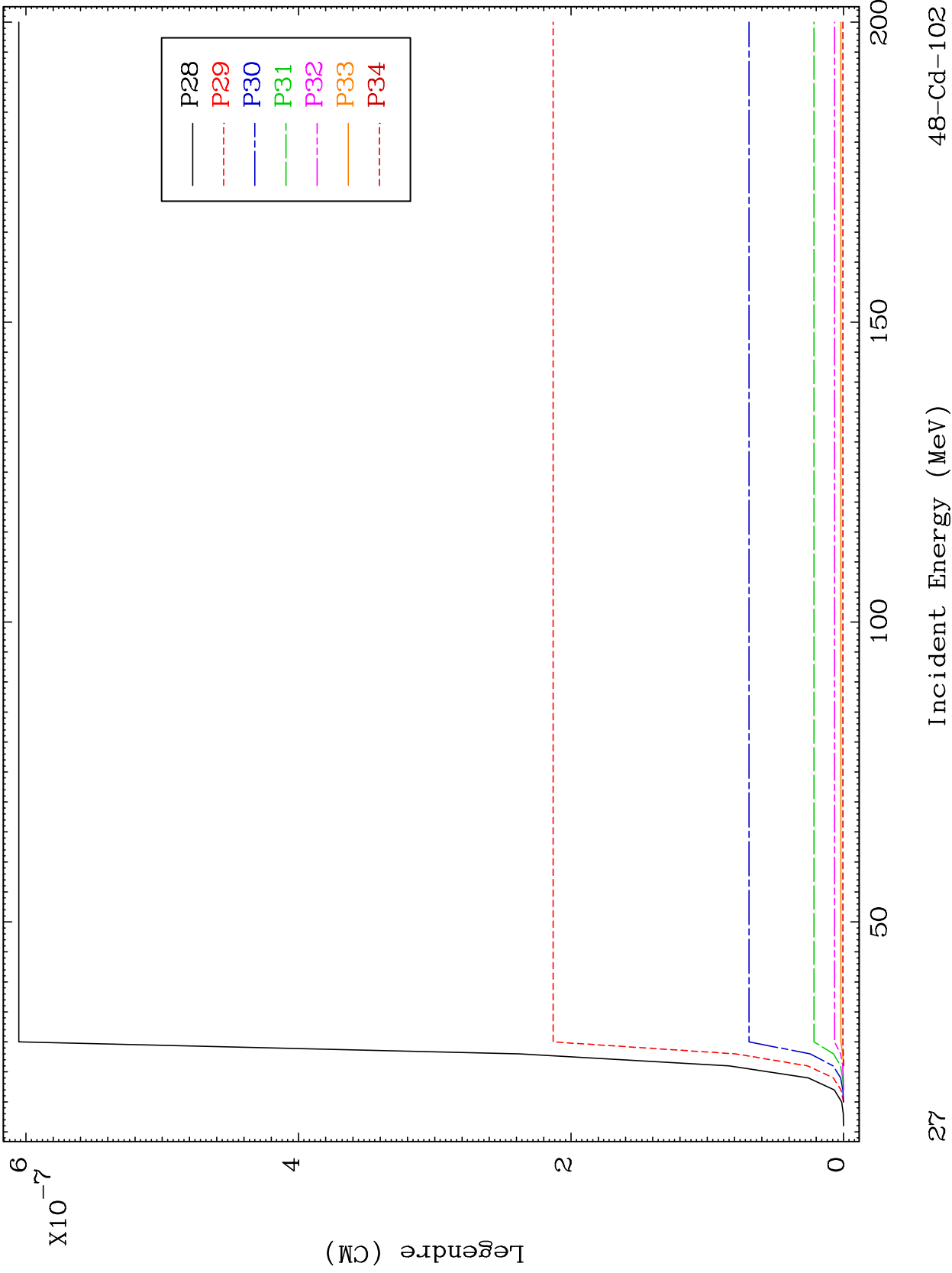
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

48-Cd-102

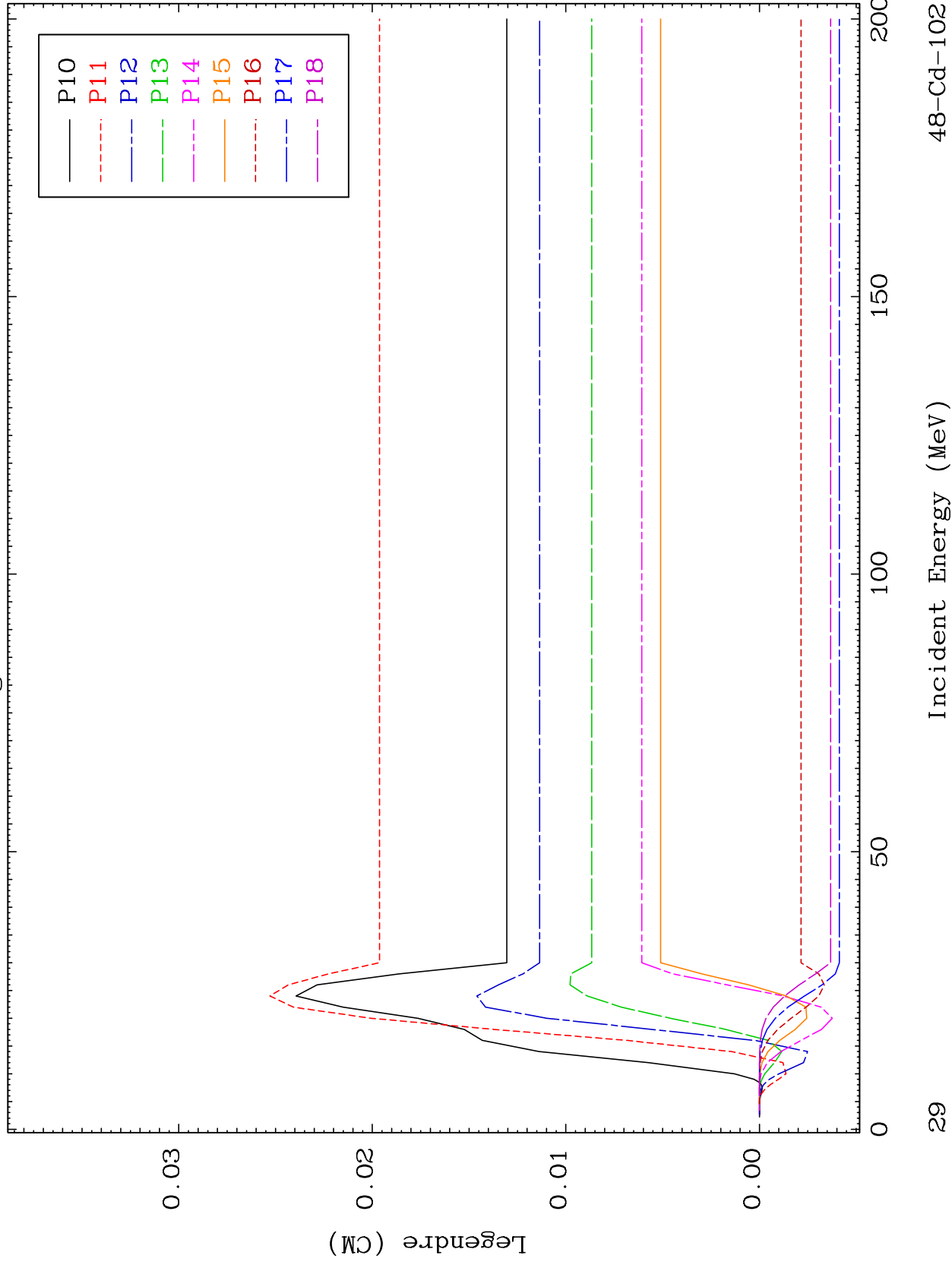


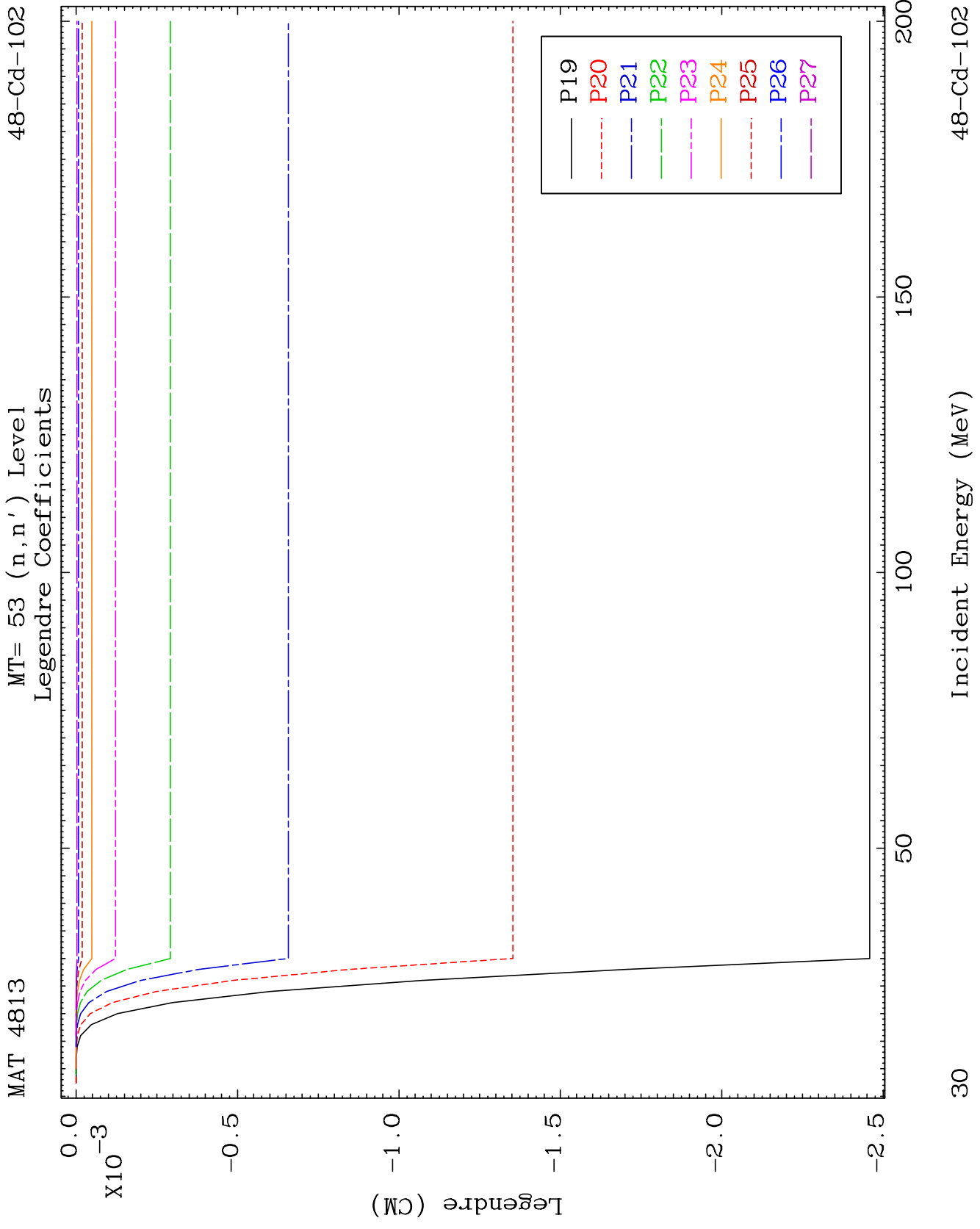
27

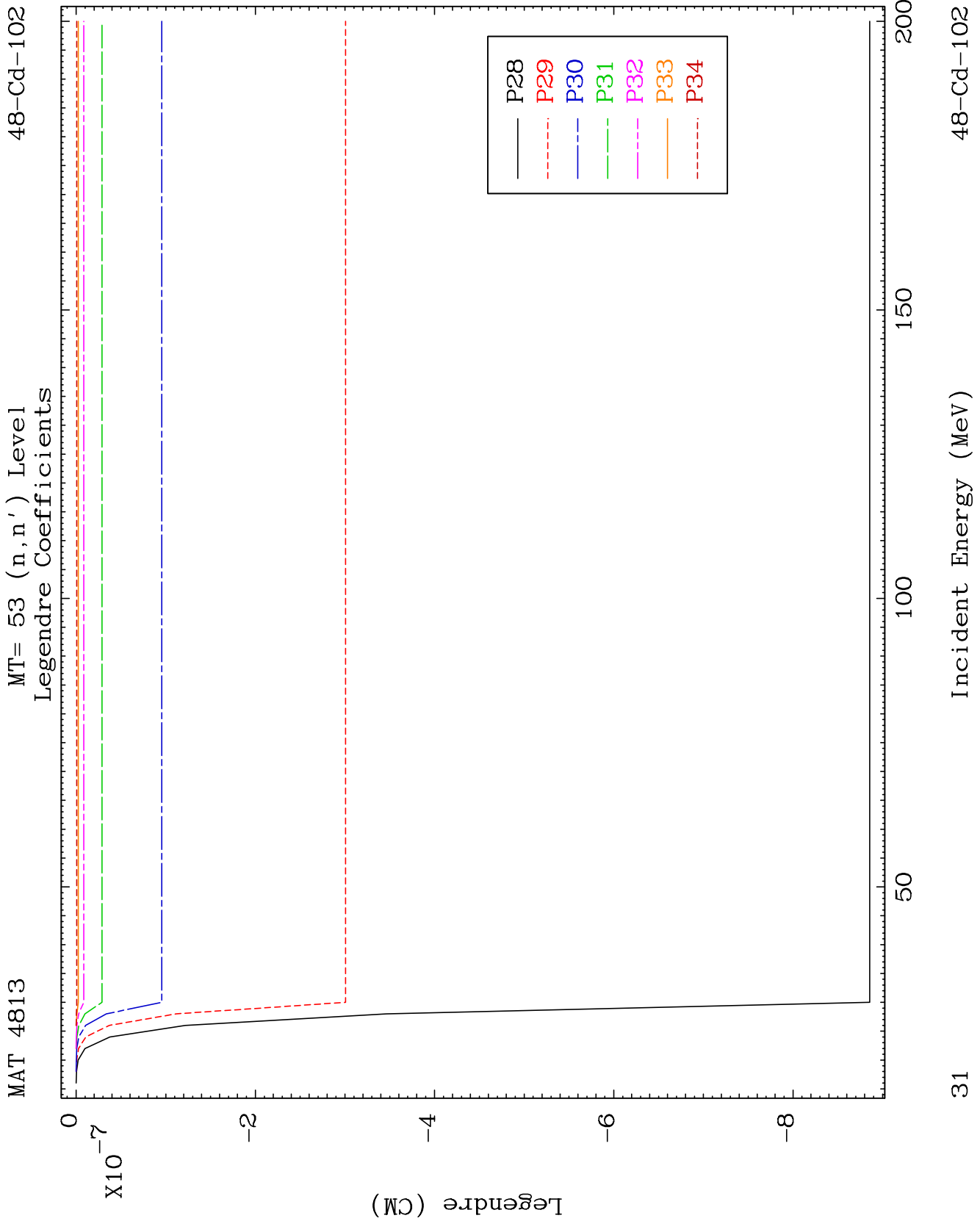
MAT 4813

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

48-Cd-102



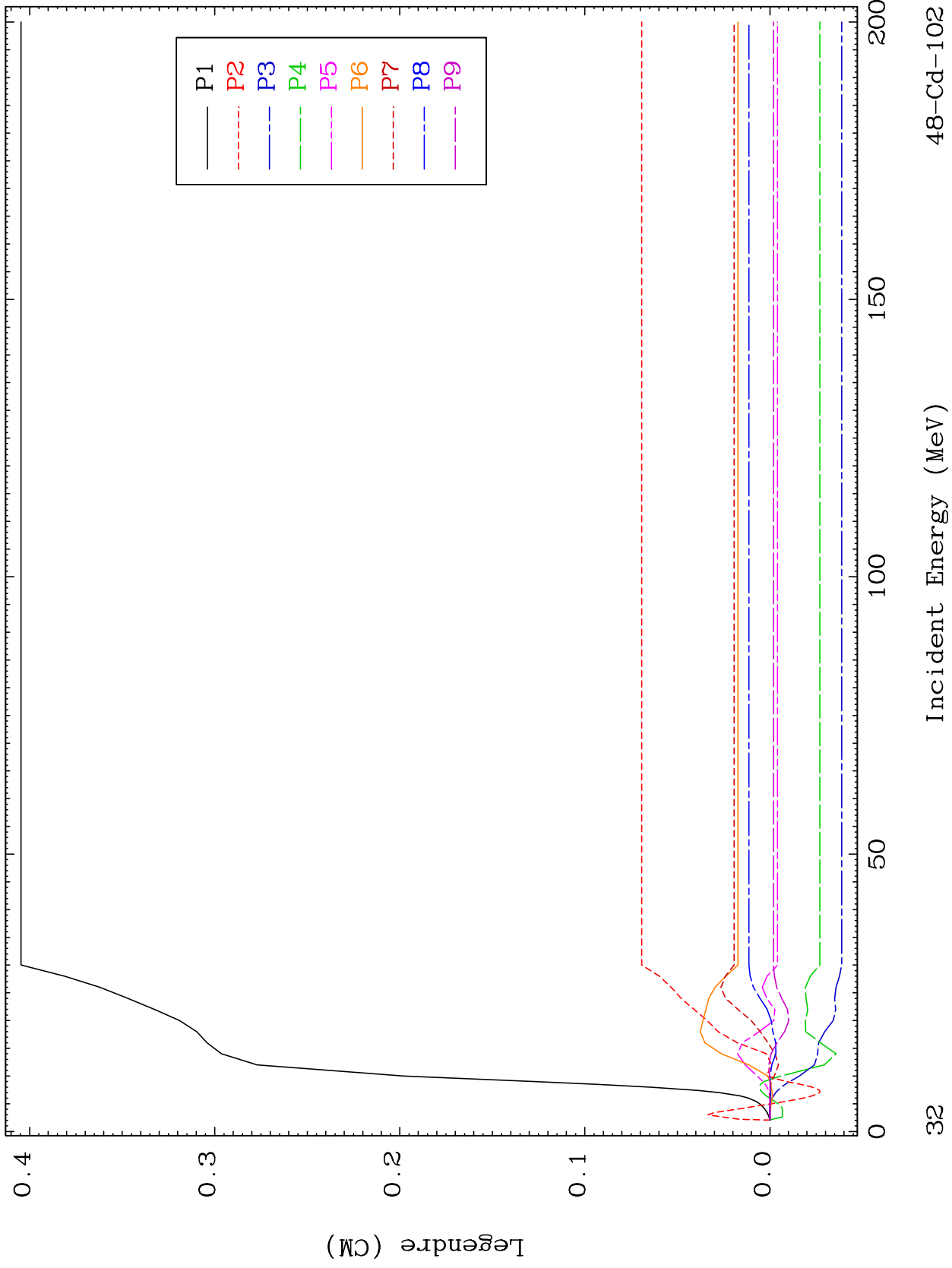




MAT 4813

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

48-Cd-102



48-Cd-102

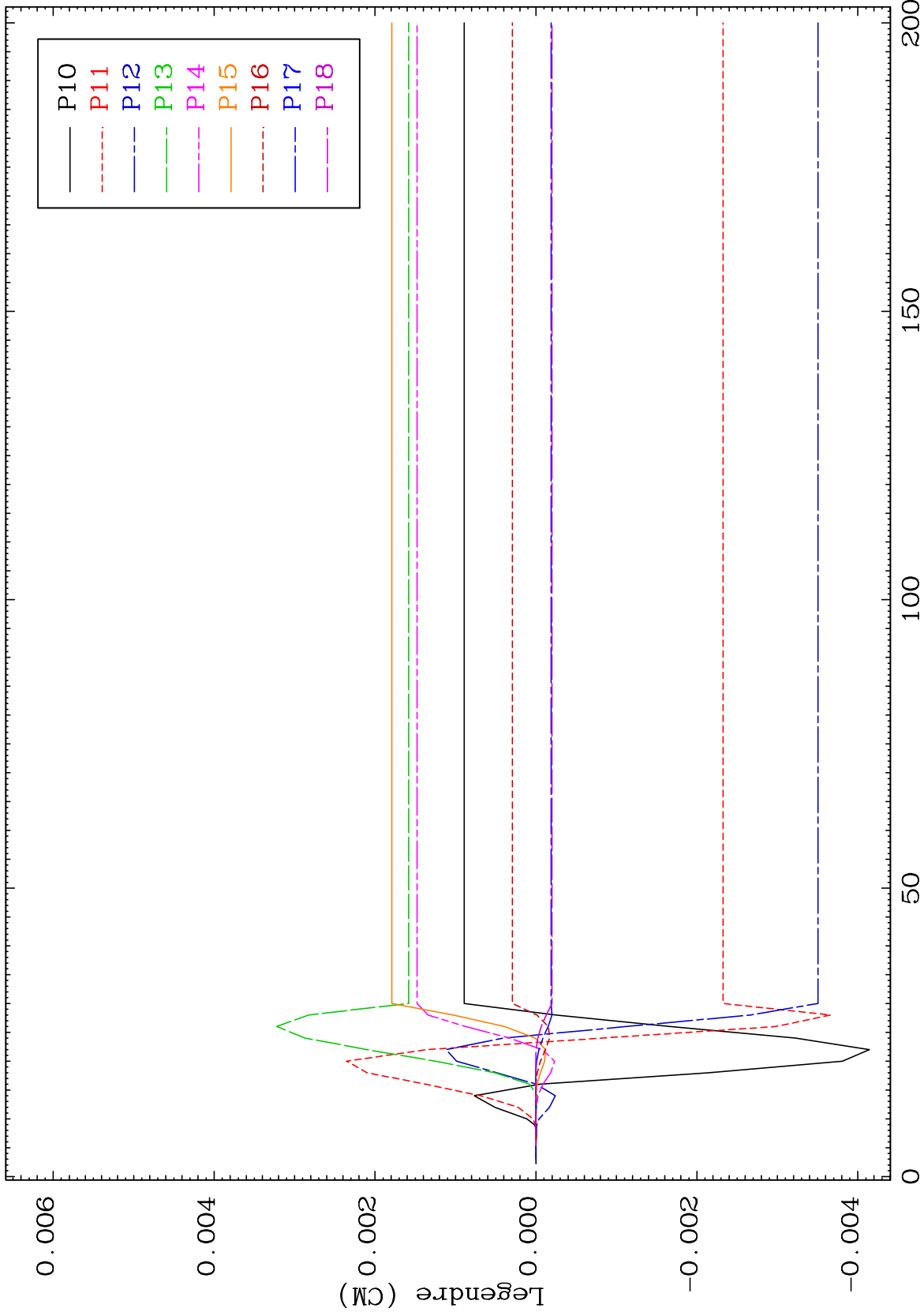
Incident Energy (MeV)

32

MAT 4813

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

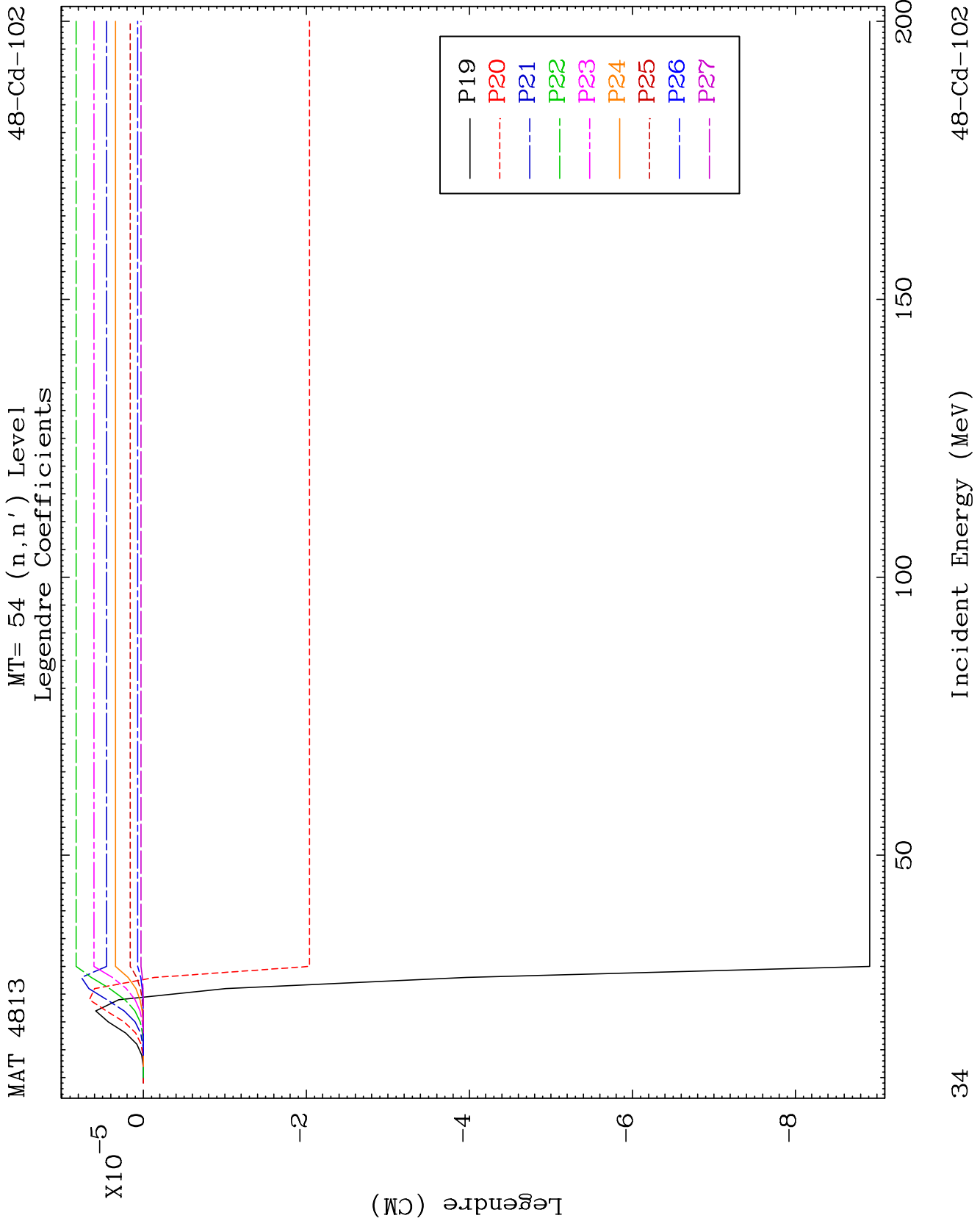
48-Cd-102



33

Incident Energy (MeV)

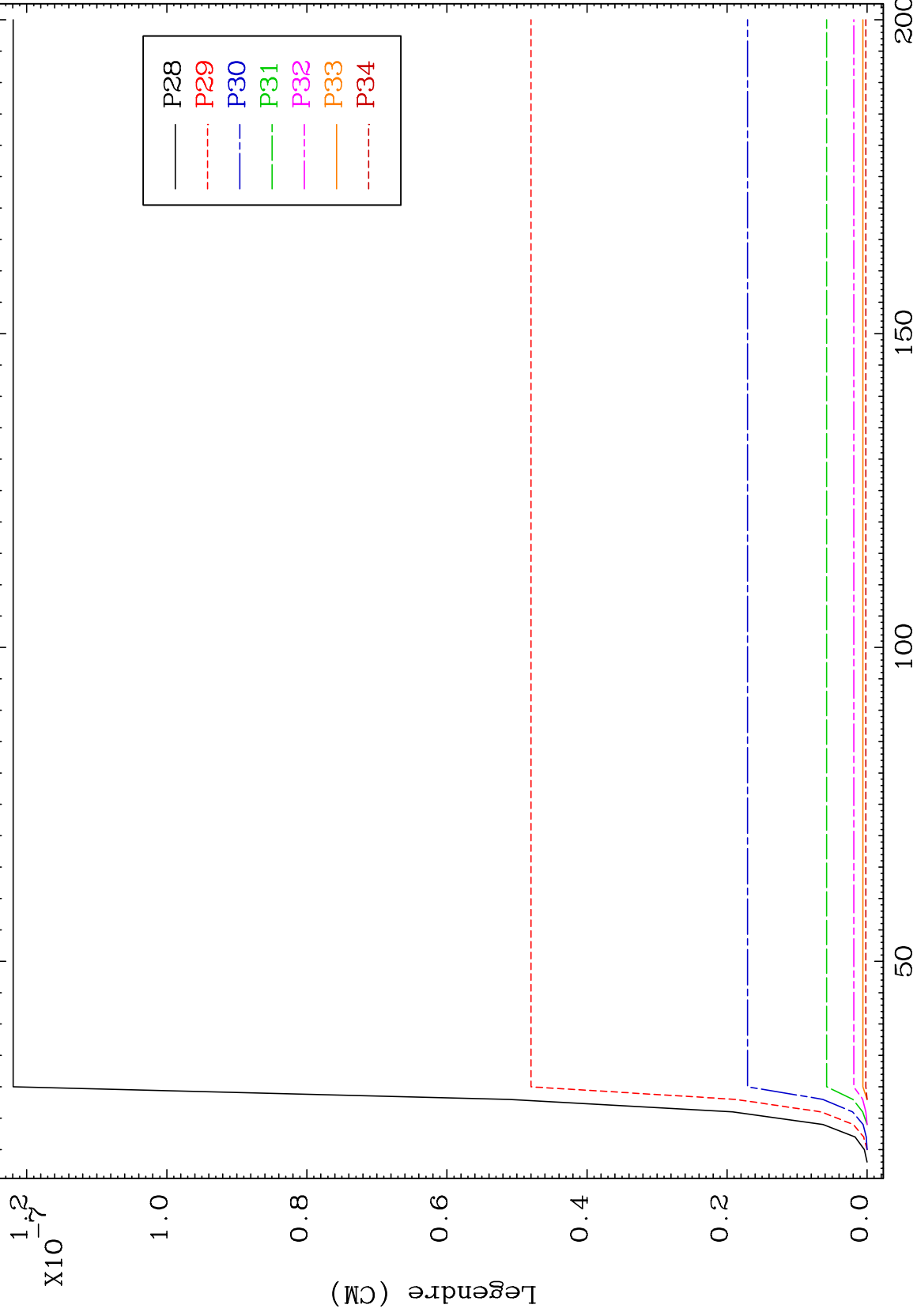
48-Cd-102



MAT 4813

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

48-Cd-102



35

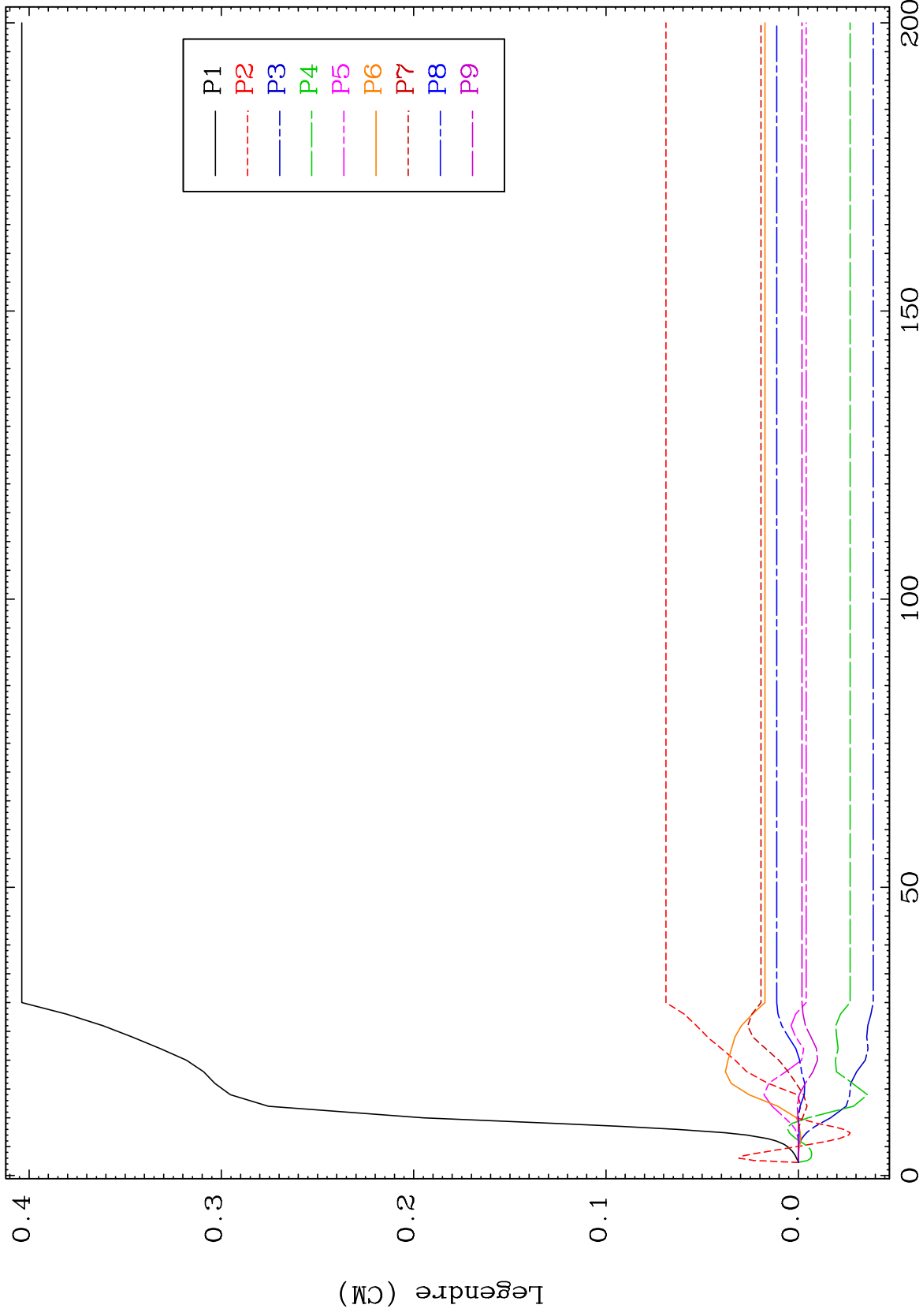
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

48-Cd-102



36

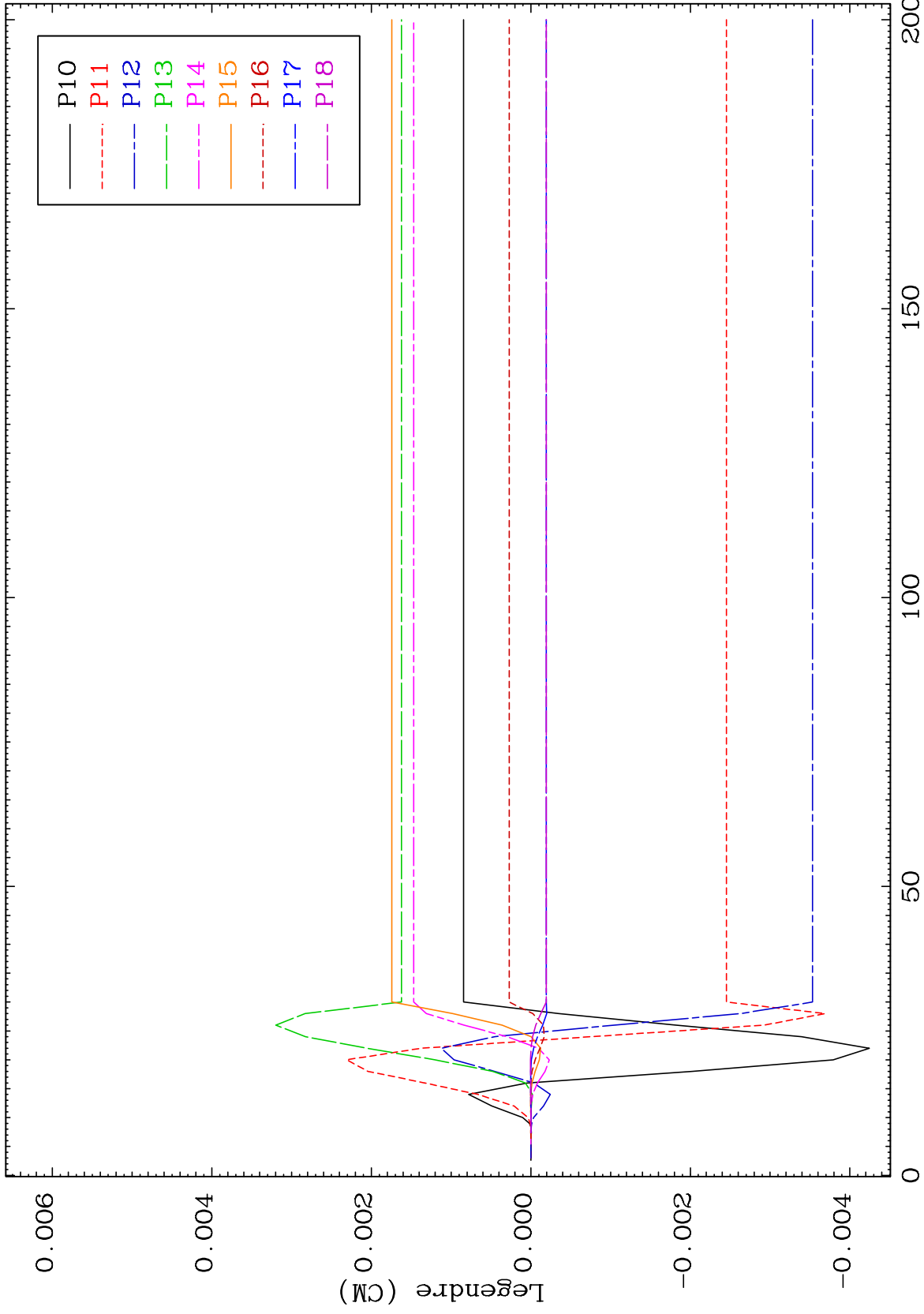
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

48-Cd-102



37

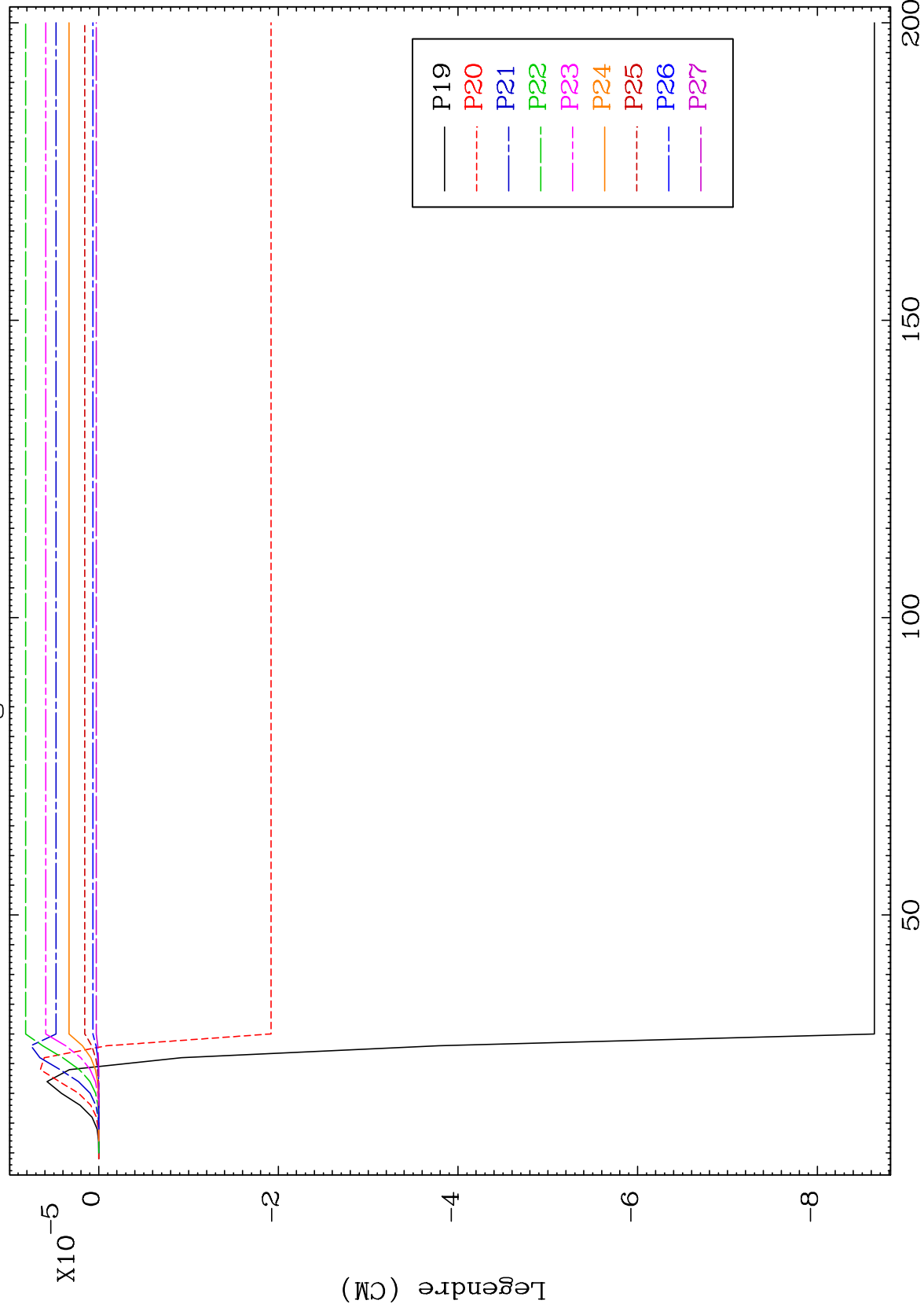
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

48-Cd-102



38

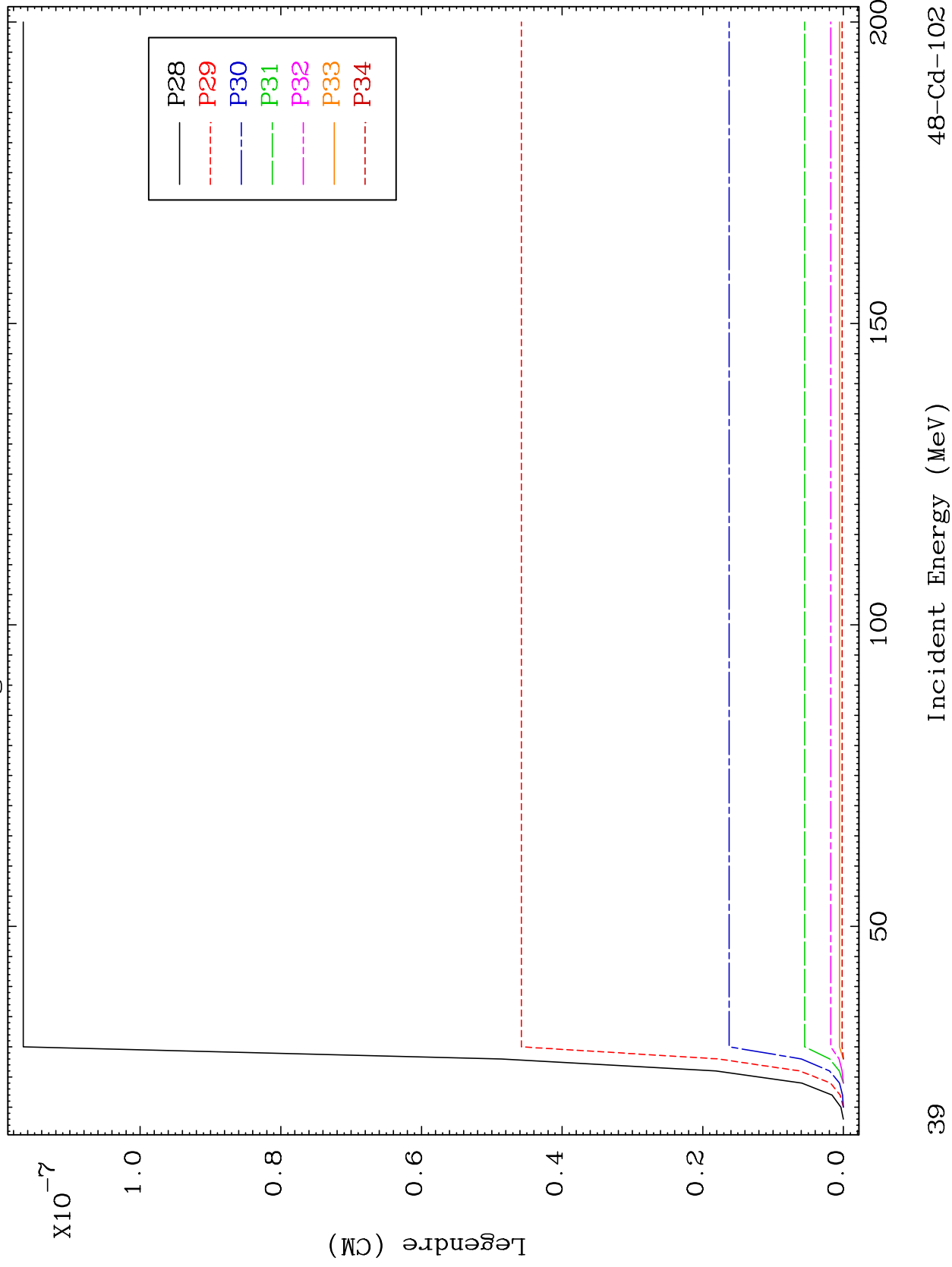
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

48-Cd-102

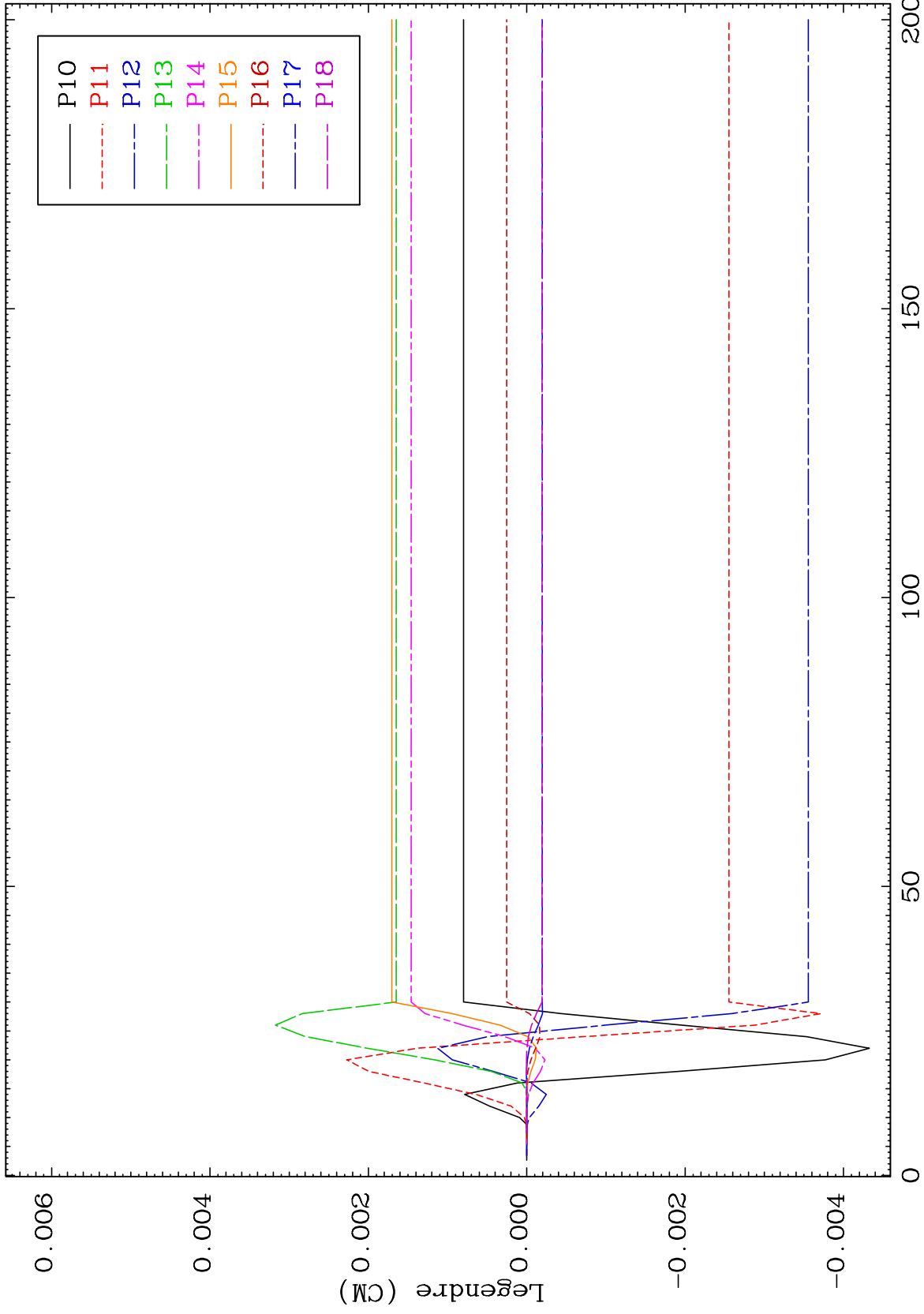


39

MAT 4813

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

48-Cd-102



41

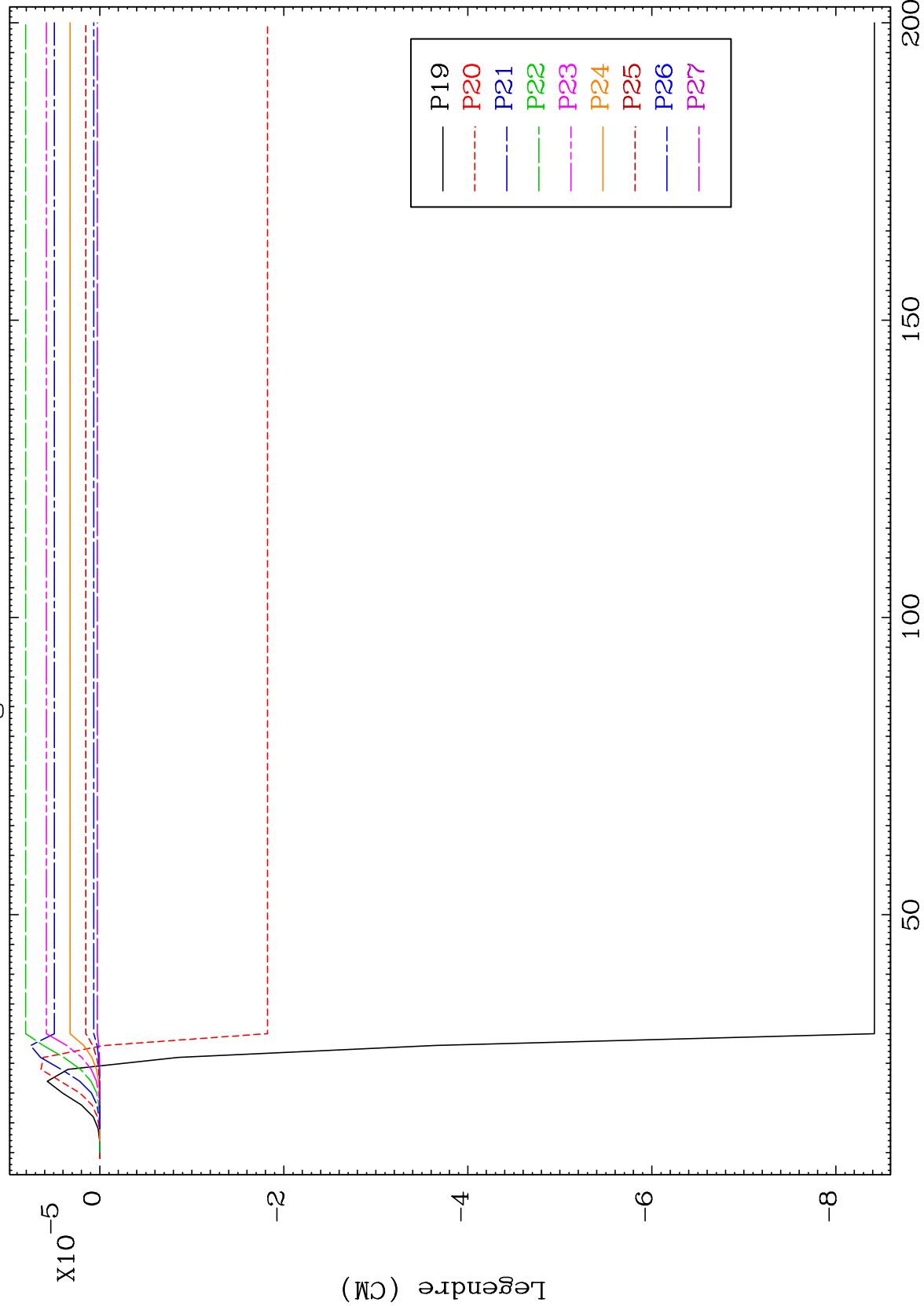
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

48-Cd-102



42

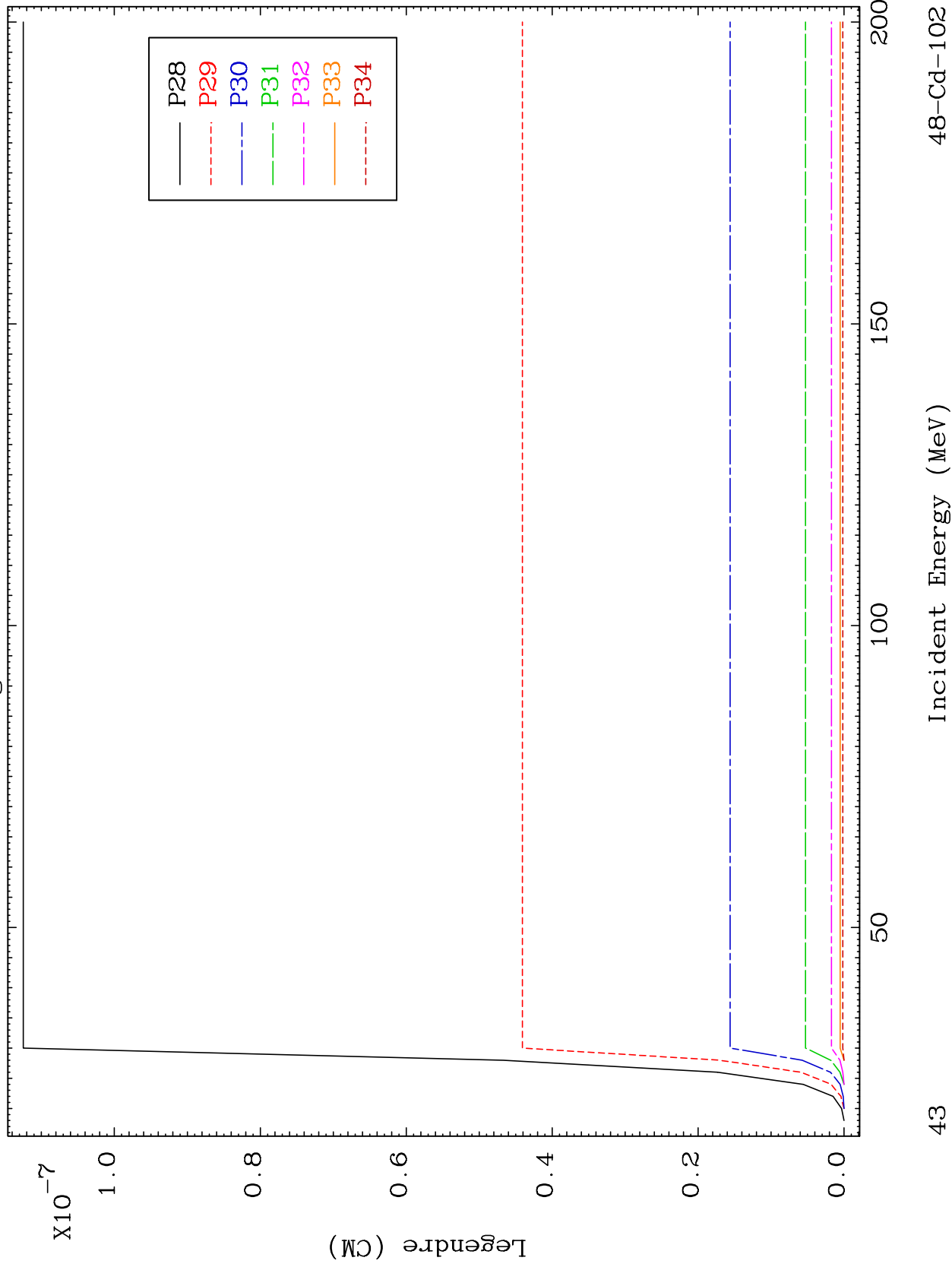
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

48-Cd-102



43

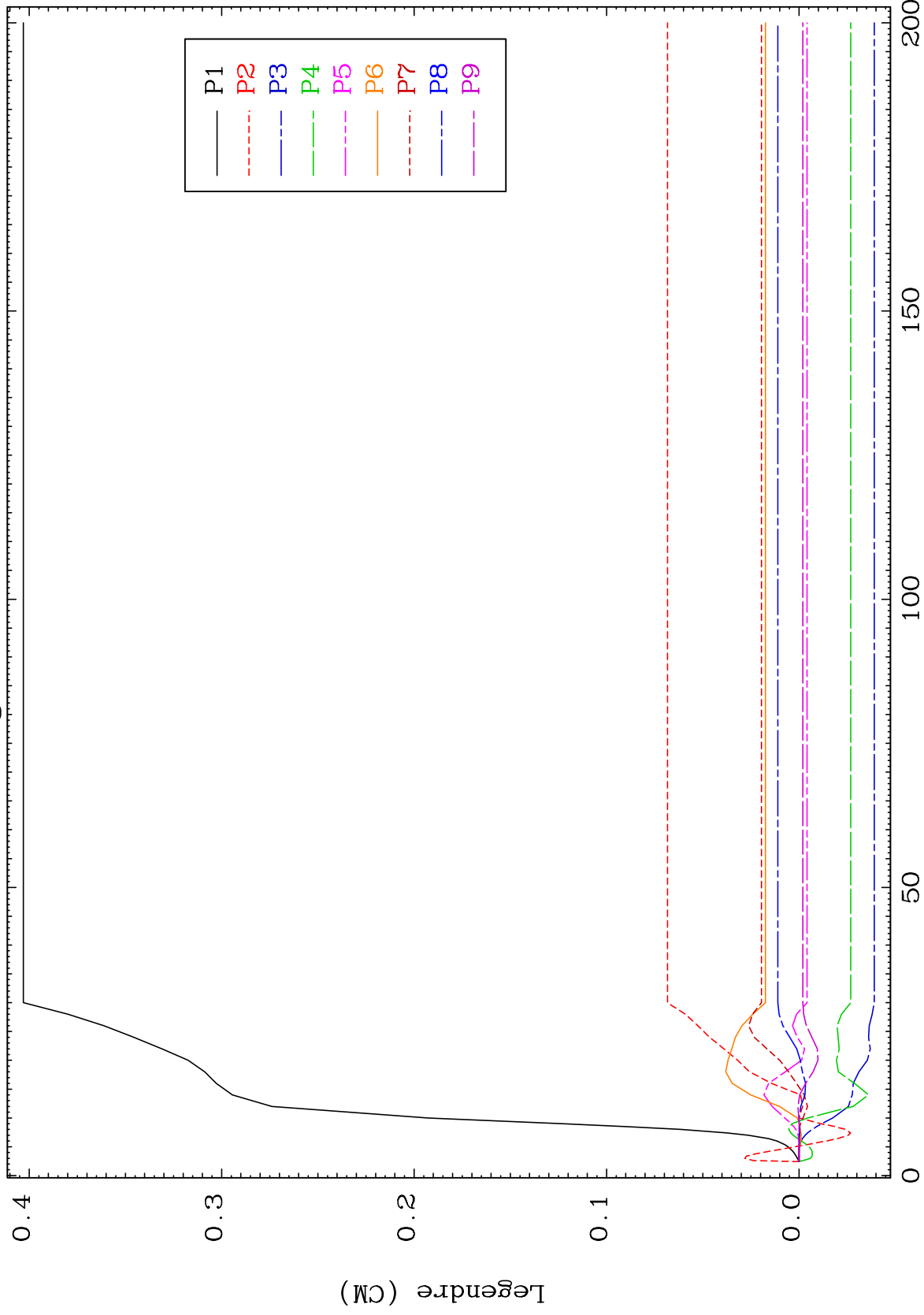
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

48-Cd-102



44

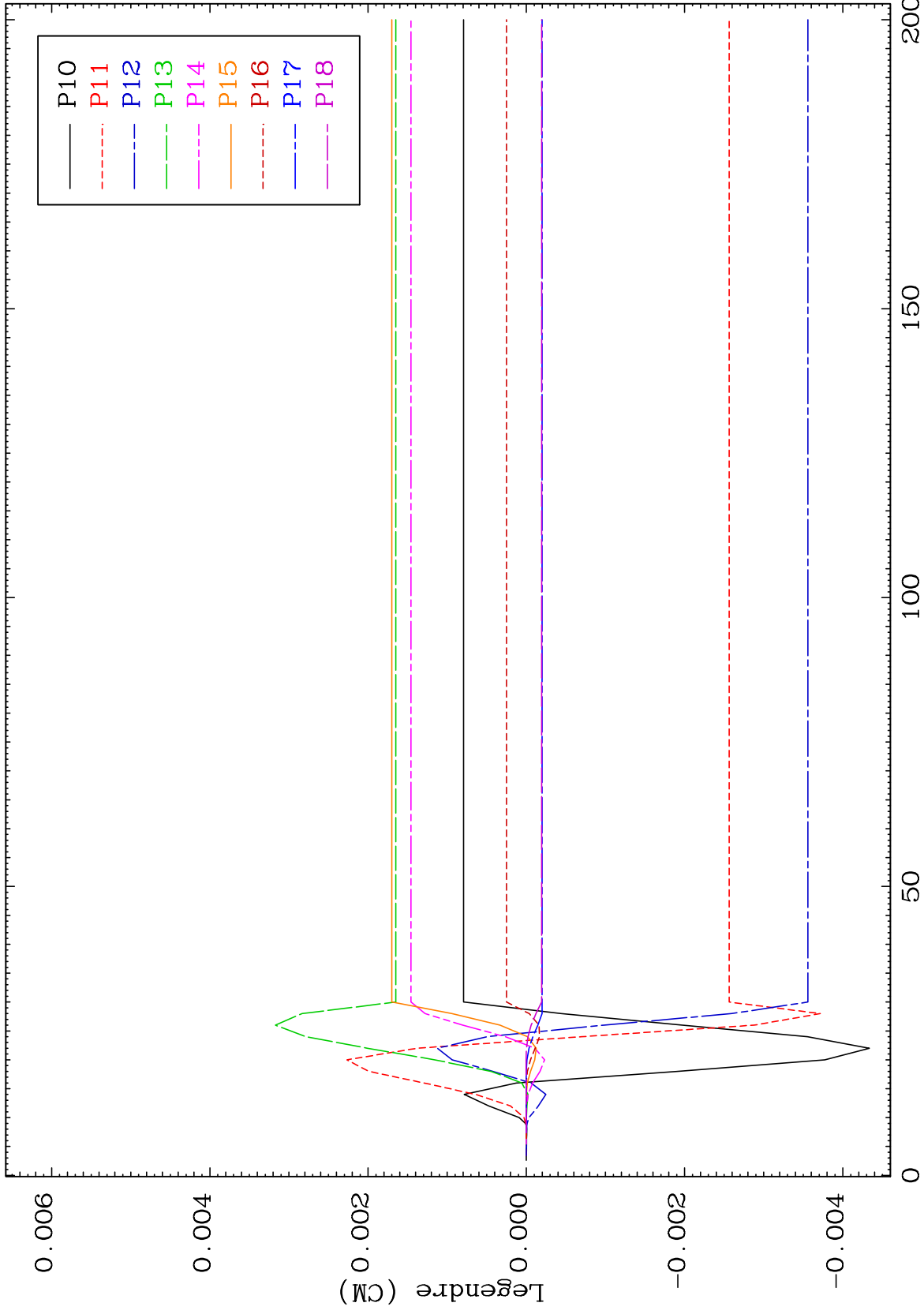
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

48-Cd-102



45

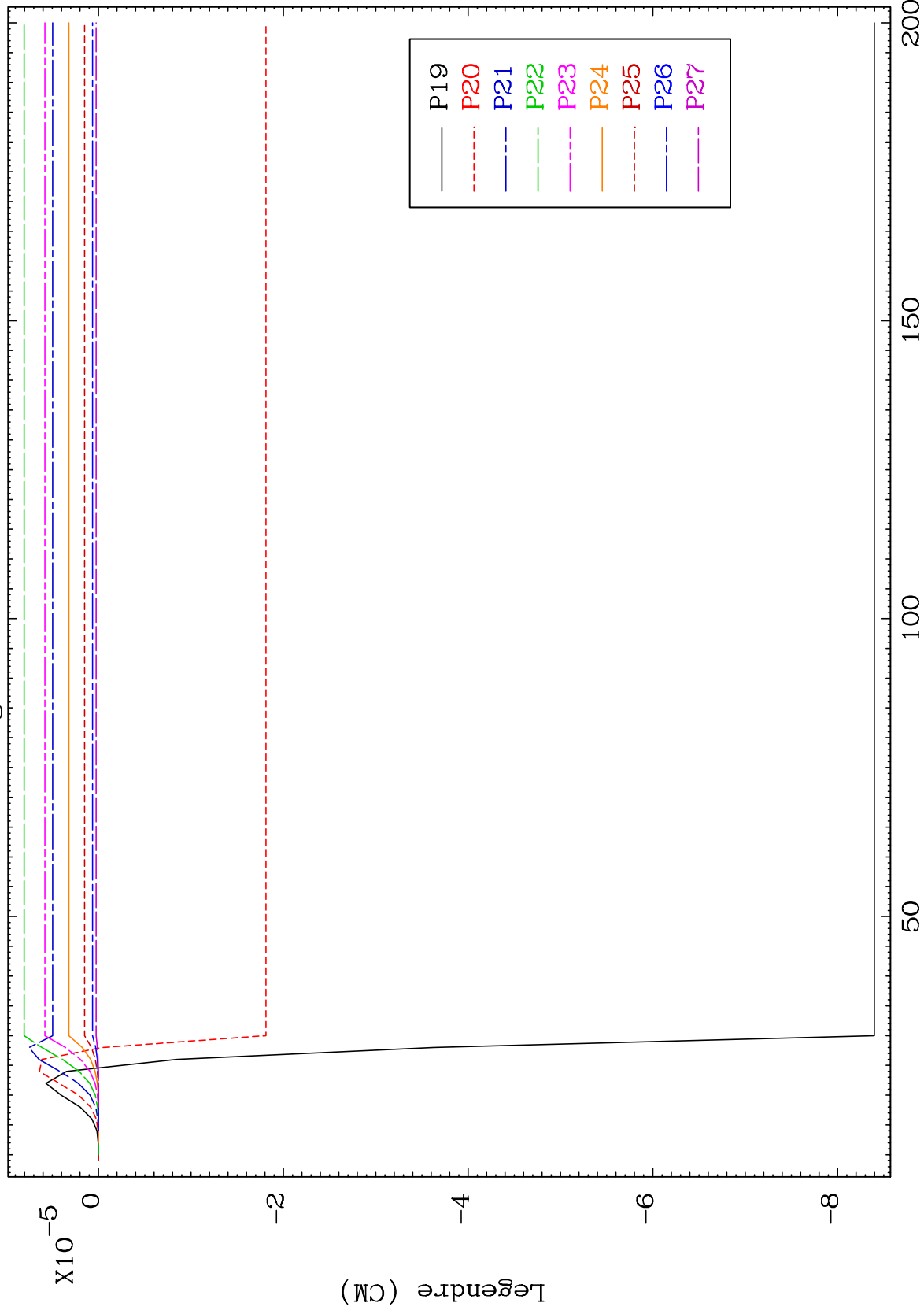
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

48-Cd-102



46

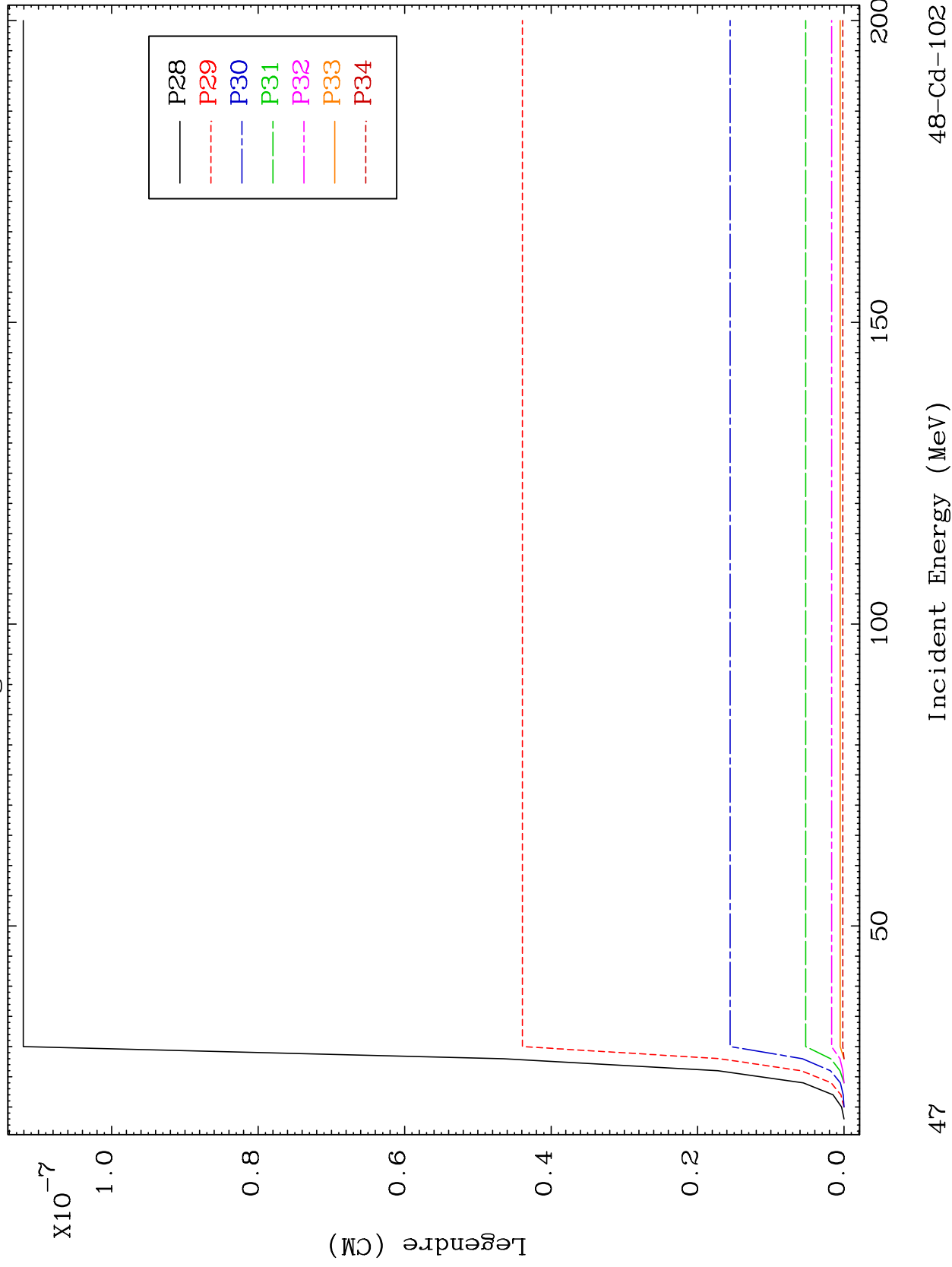
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

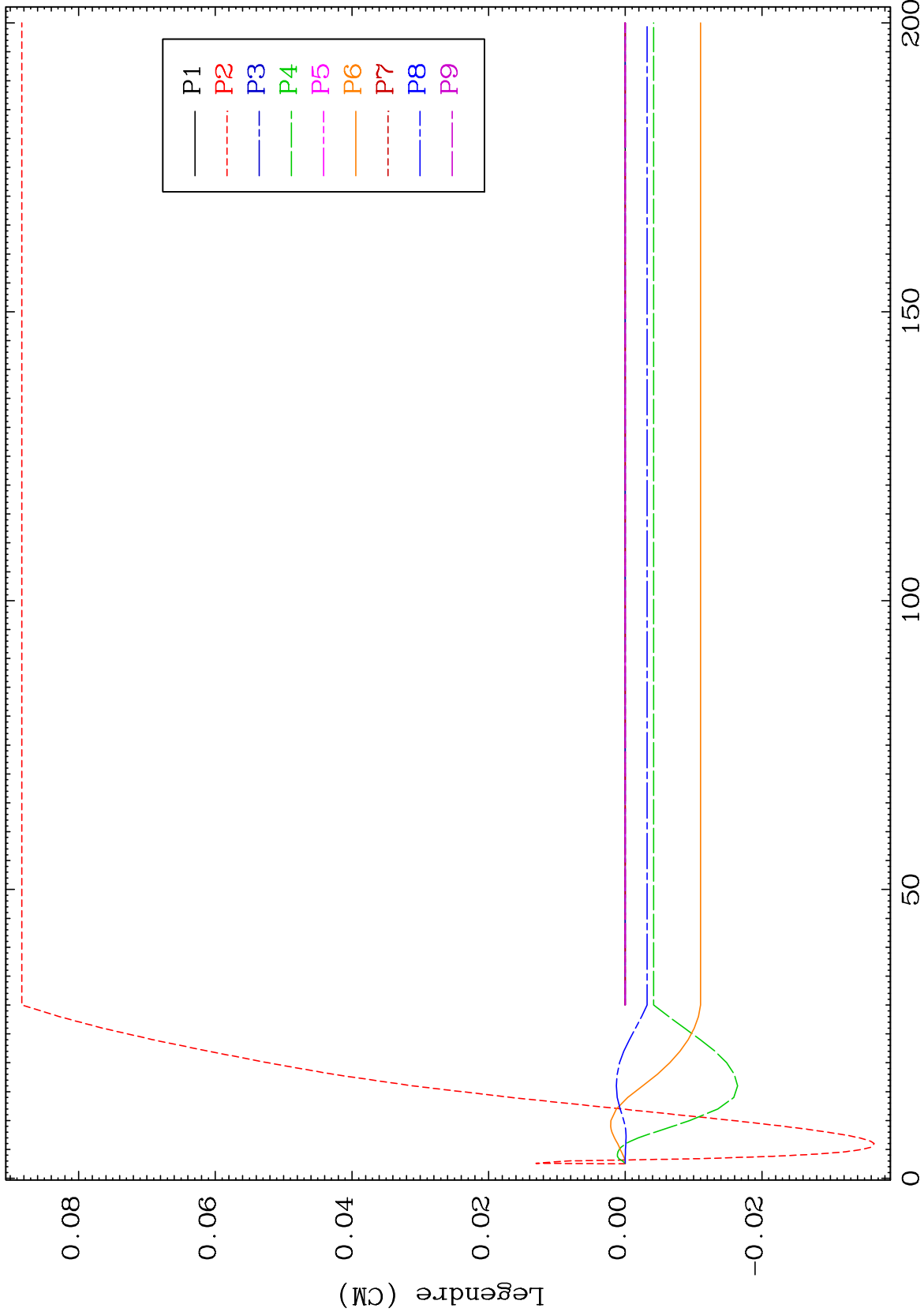
48-Cd-102



MAT 4813

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

48-Cd-102



48

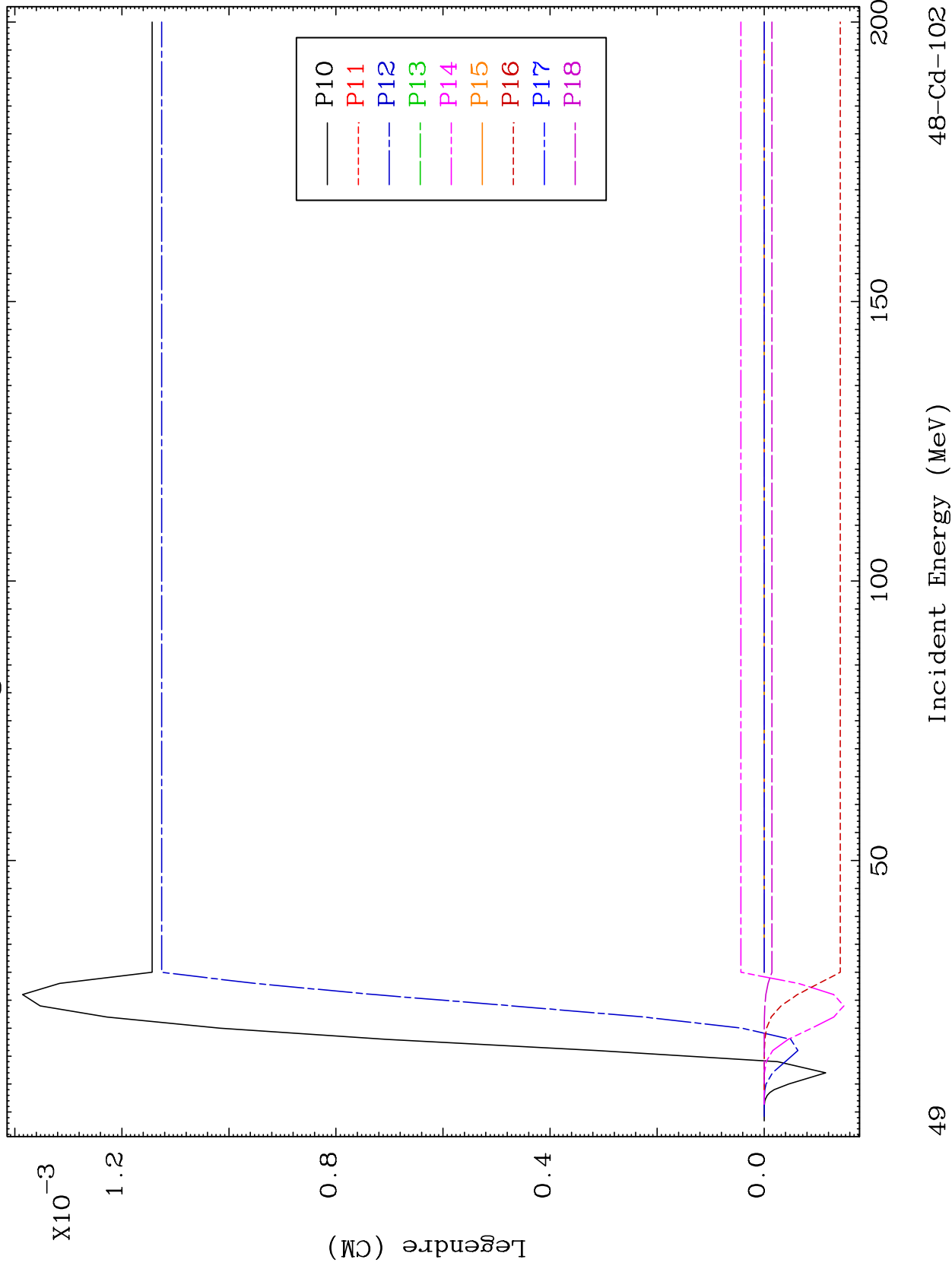
Incident Energy (MeV)

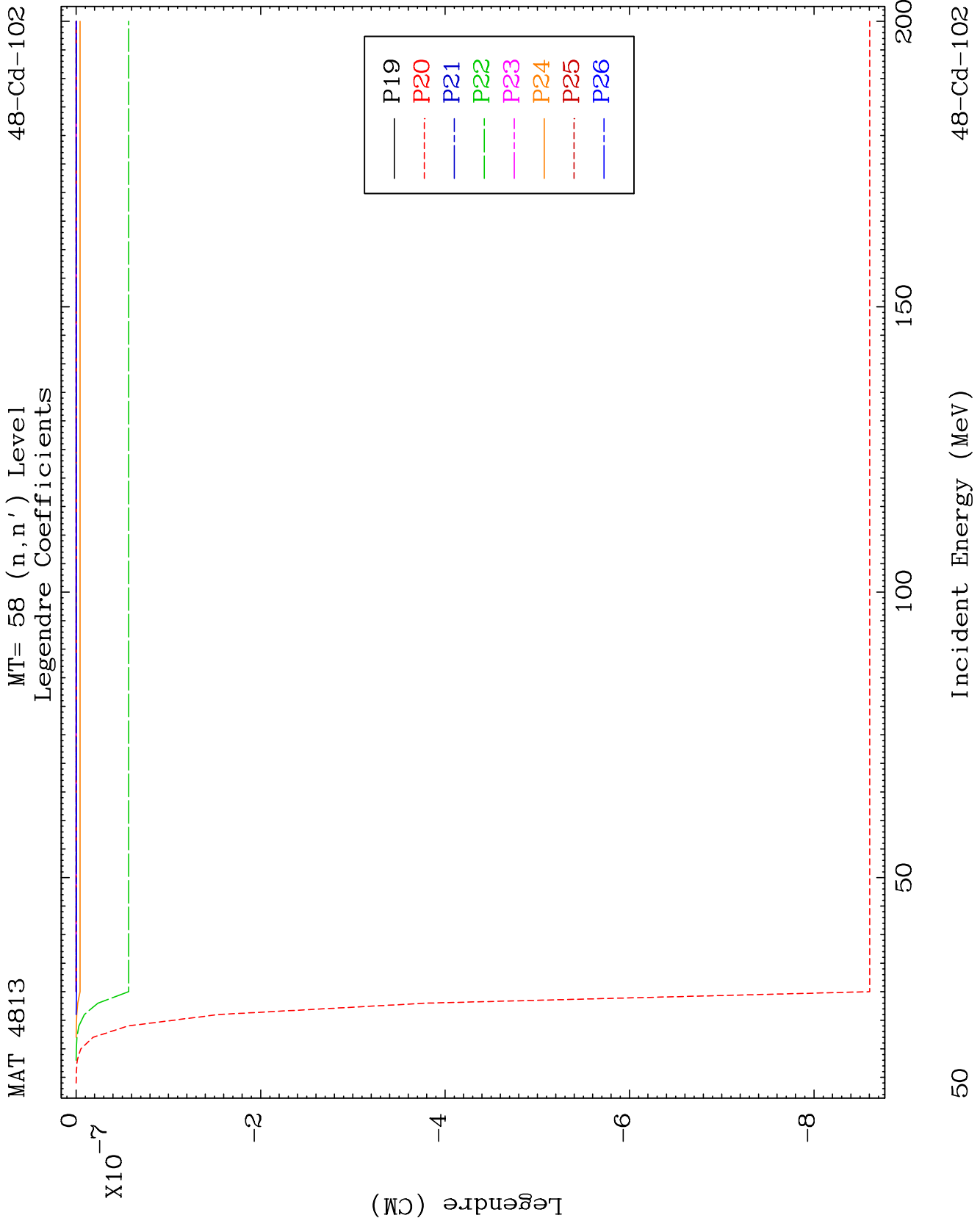
48-Cd-102

MAT 4813

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

48-Cd-102

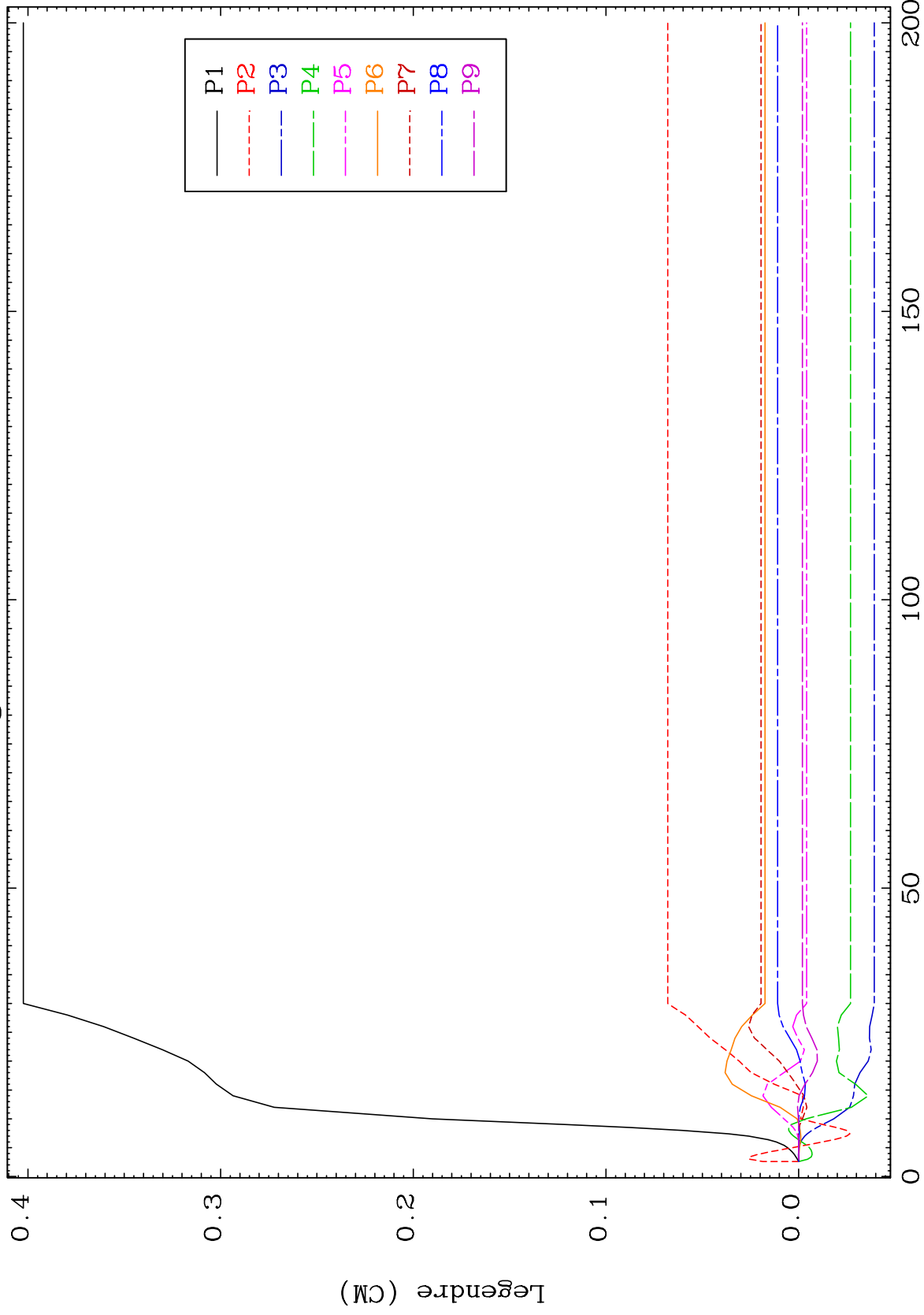




MAT 4813

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

48-Cd-102



51

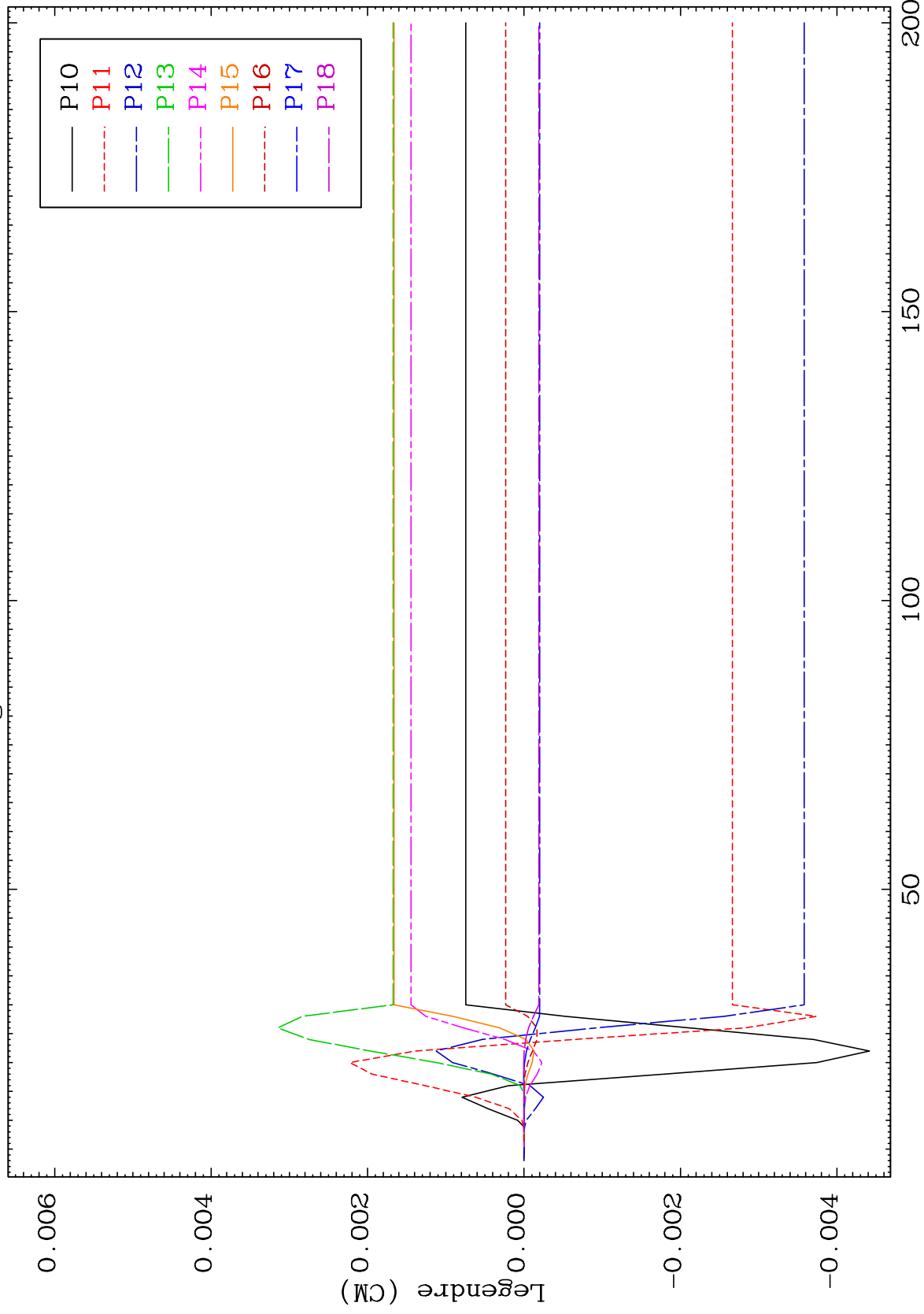
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

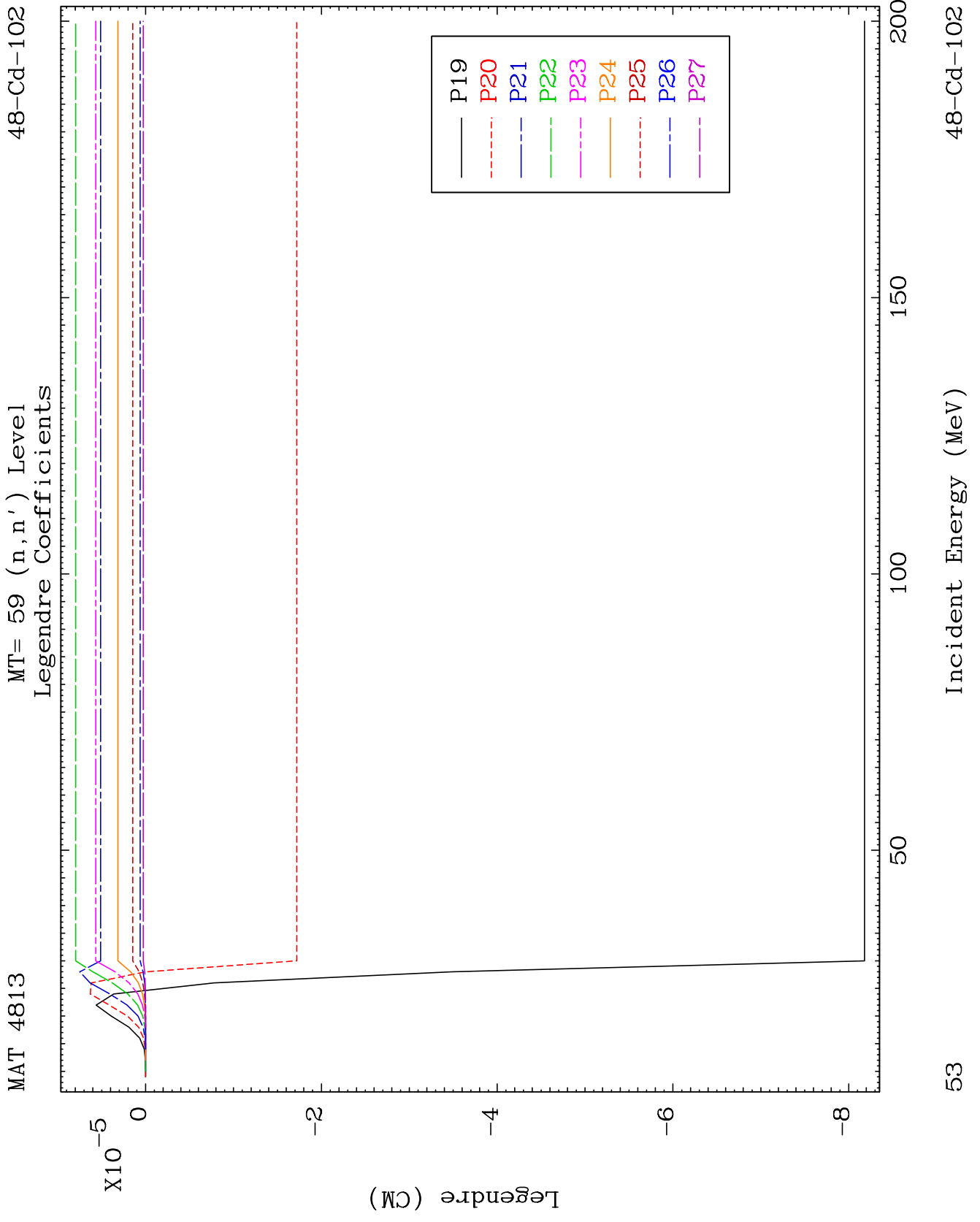
48-Cd-102



52

Incident Energy (MeV)

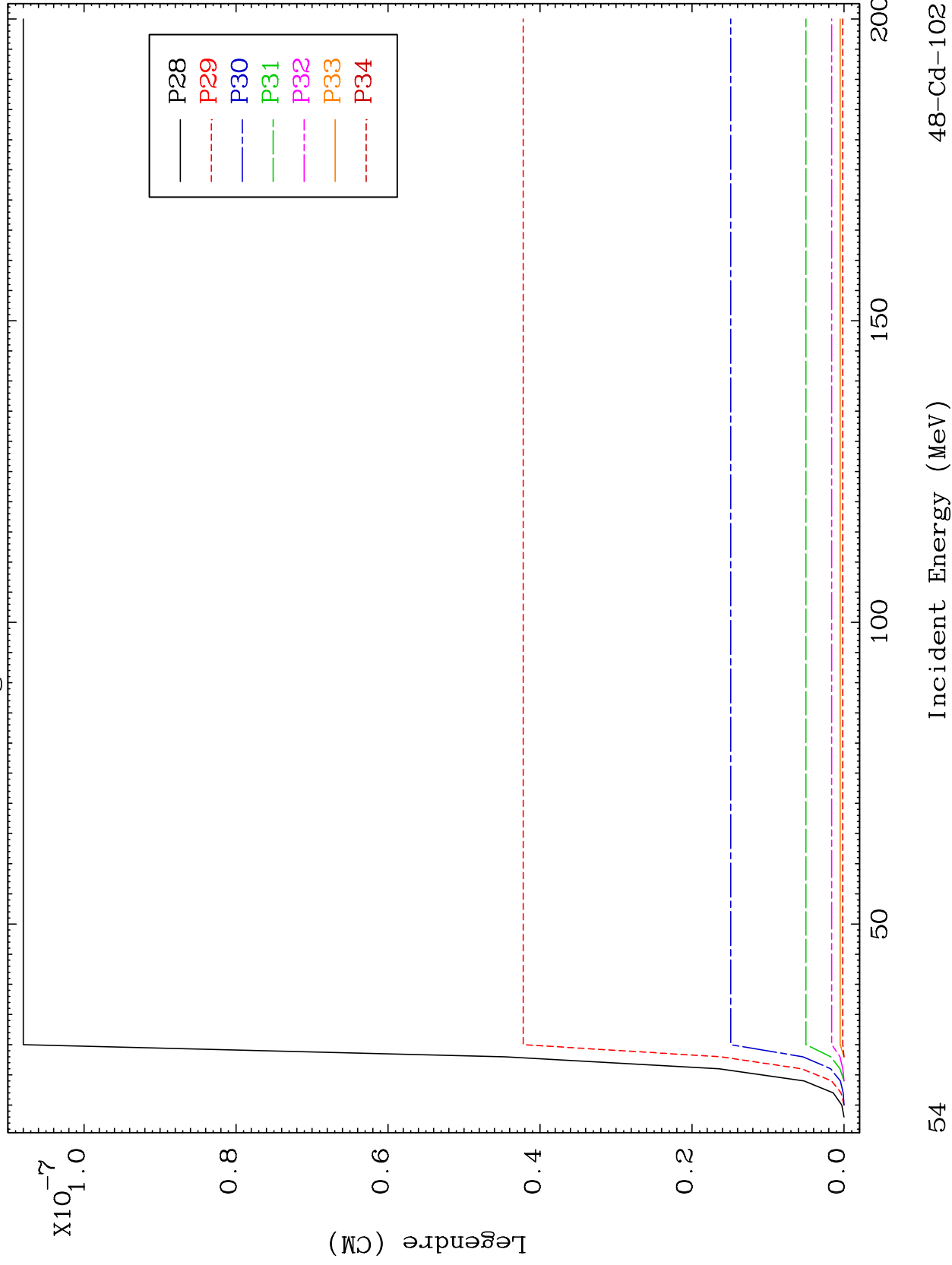
48-Cd-102



MAT 4813

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

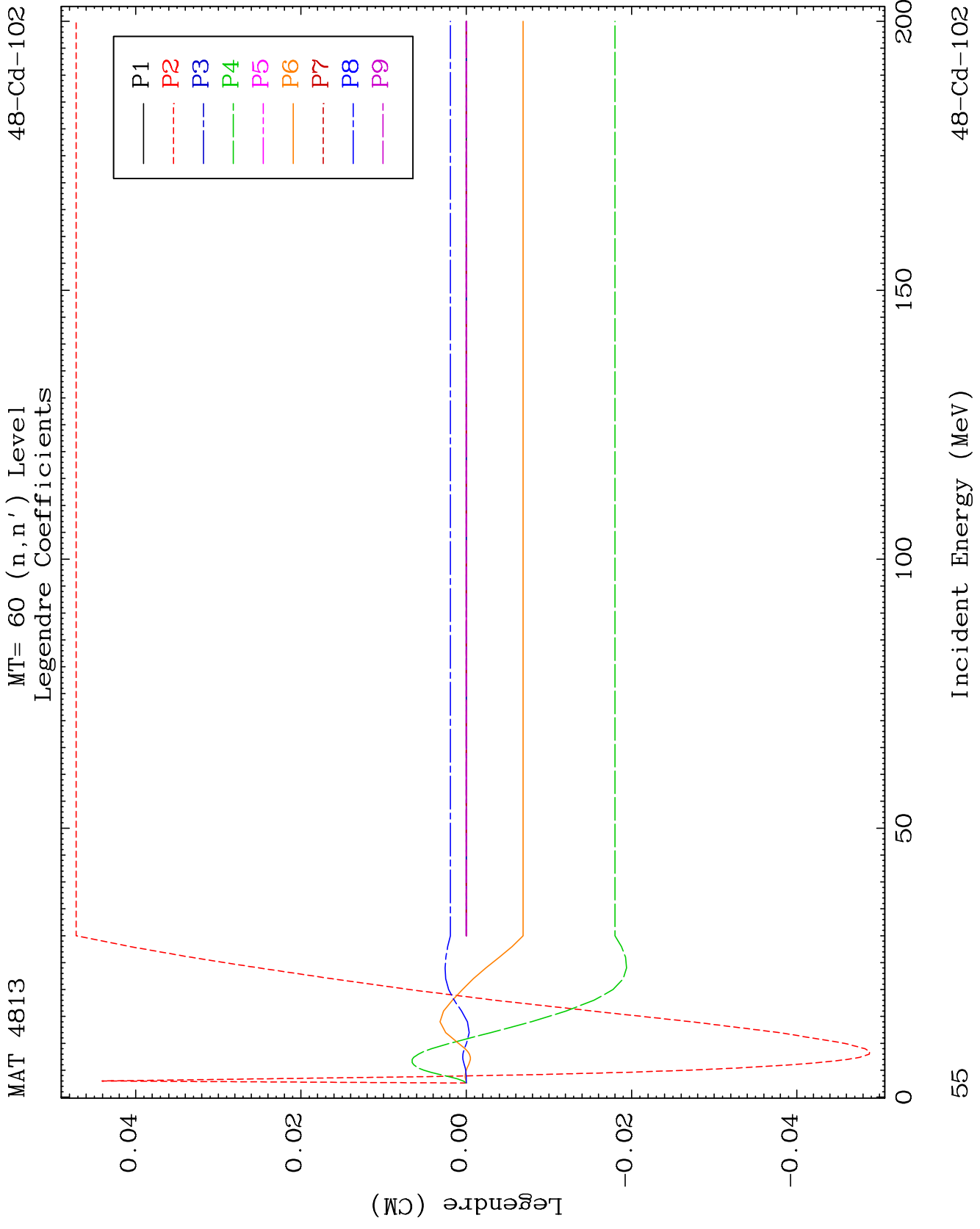
48-Cd-102



54

Incident Energy (MeV)

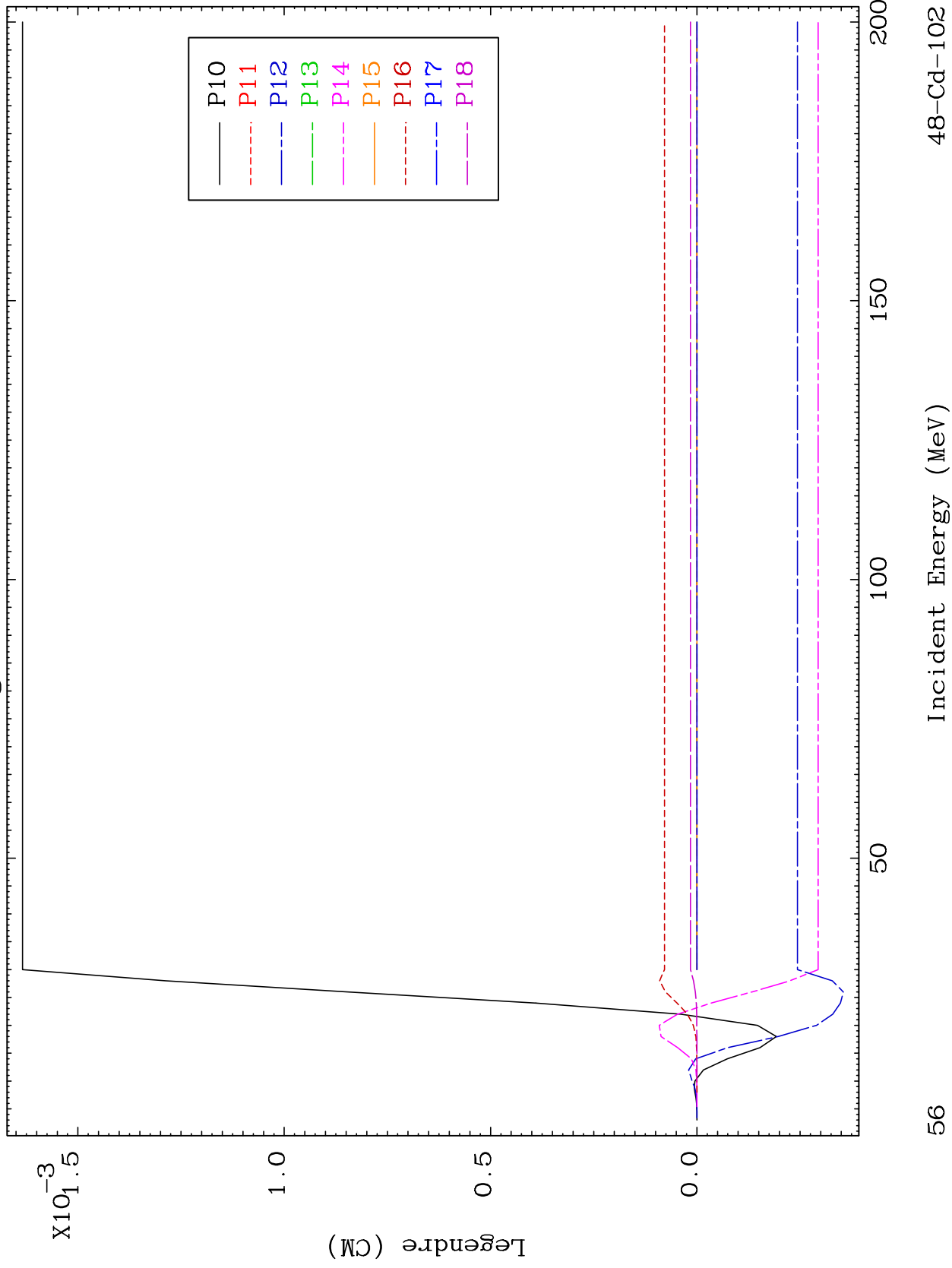
48-Cd-102

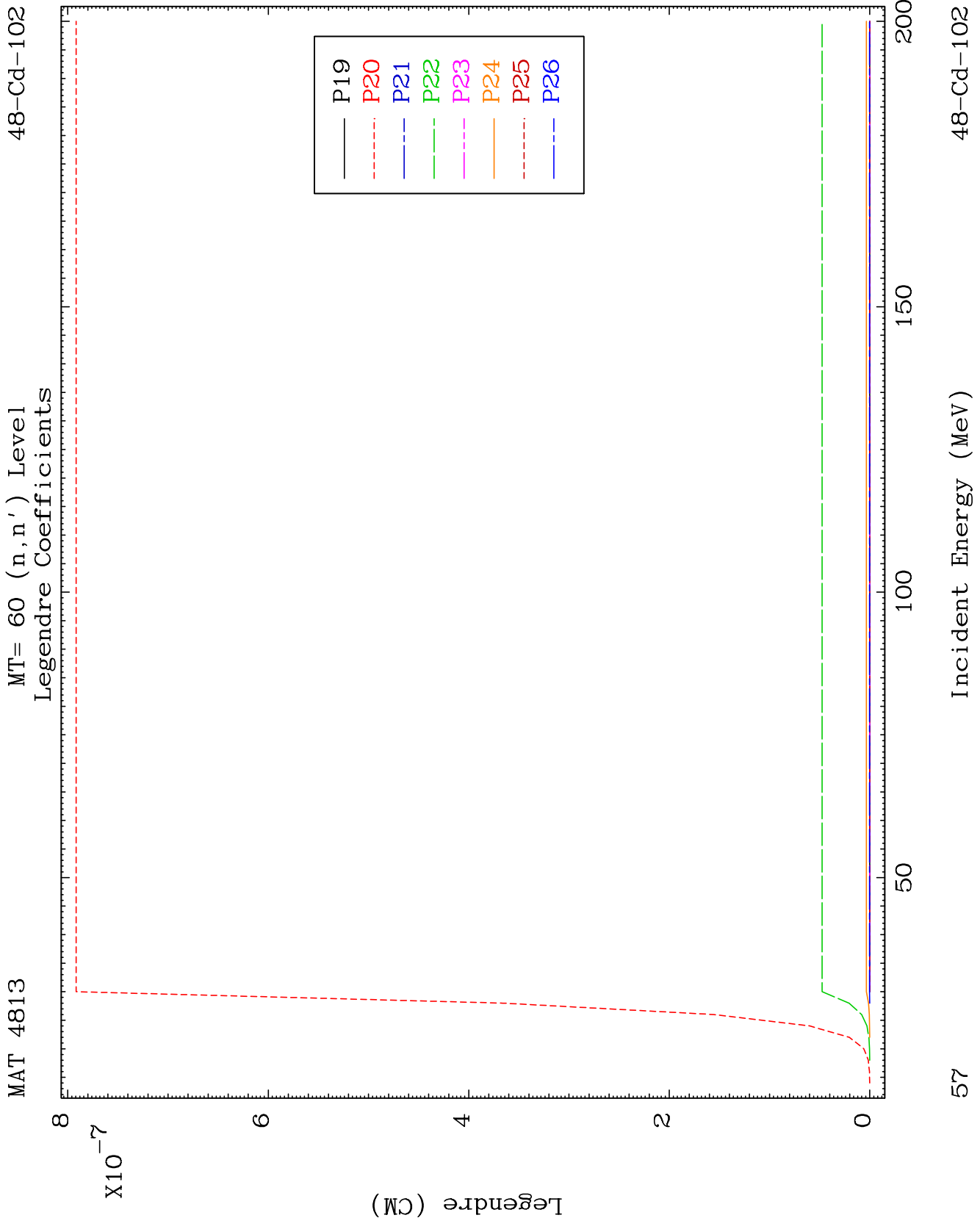


MAT 4813

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

48-Cd-102

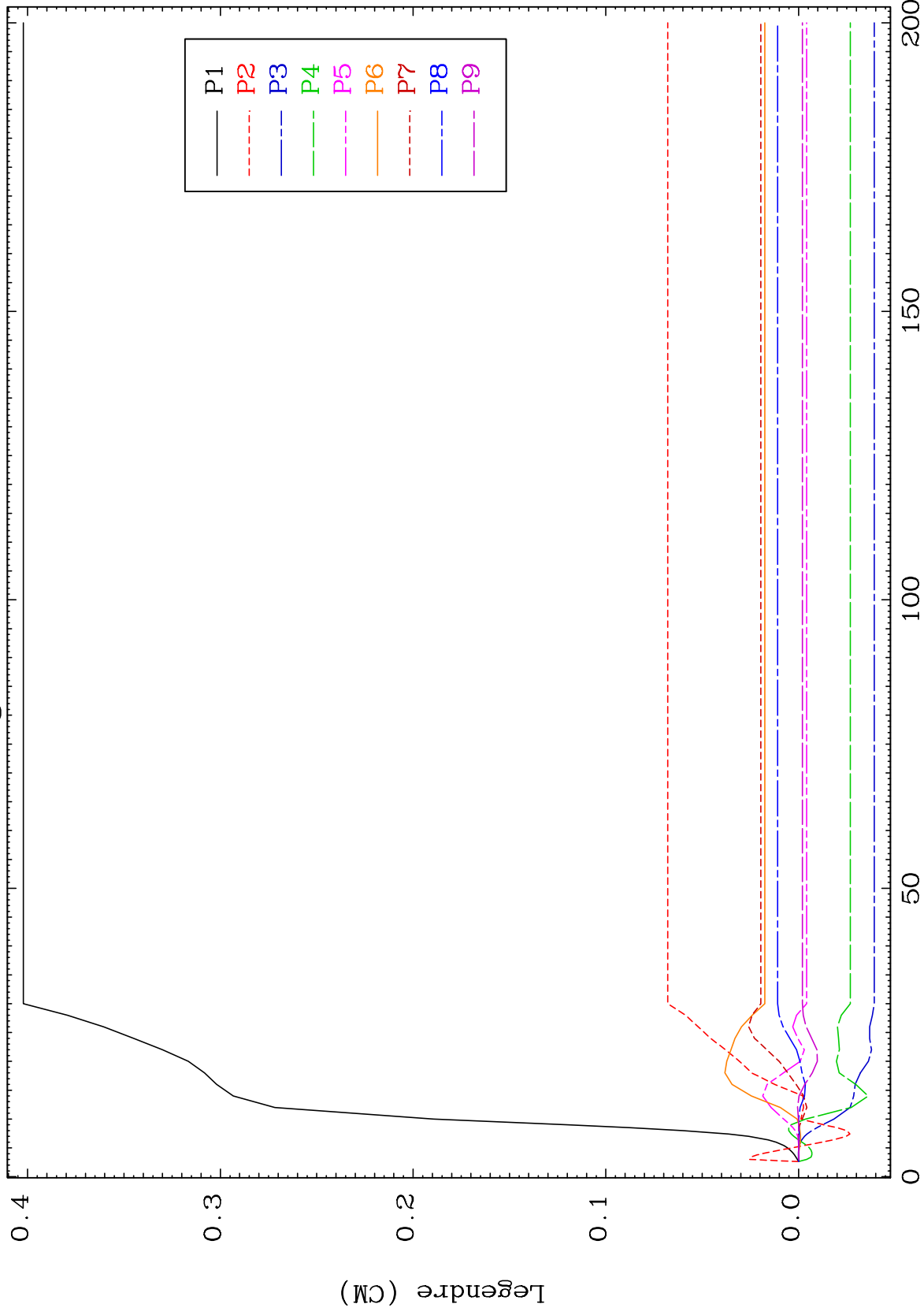




MAT 4813

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

48-Cd-102



58

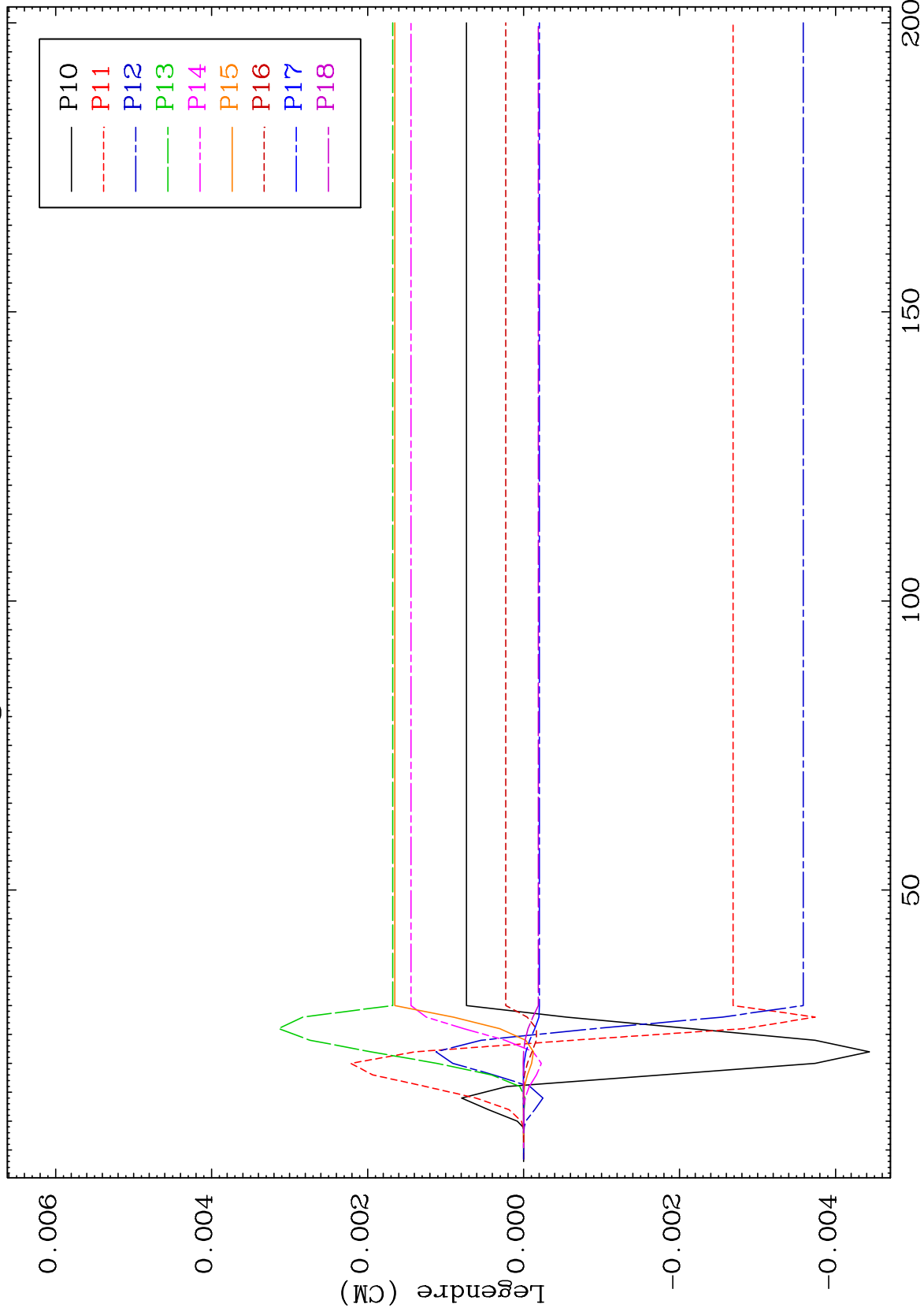
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

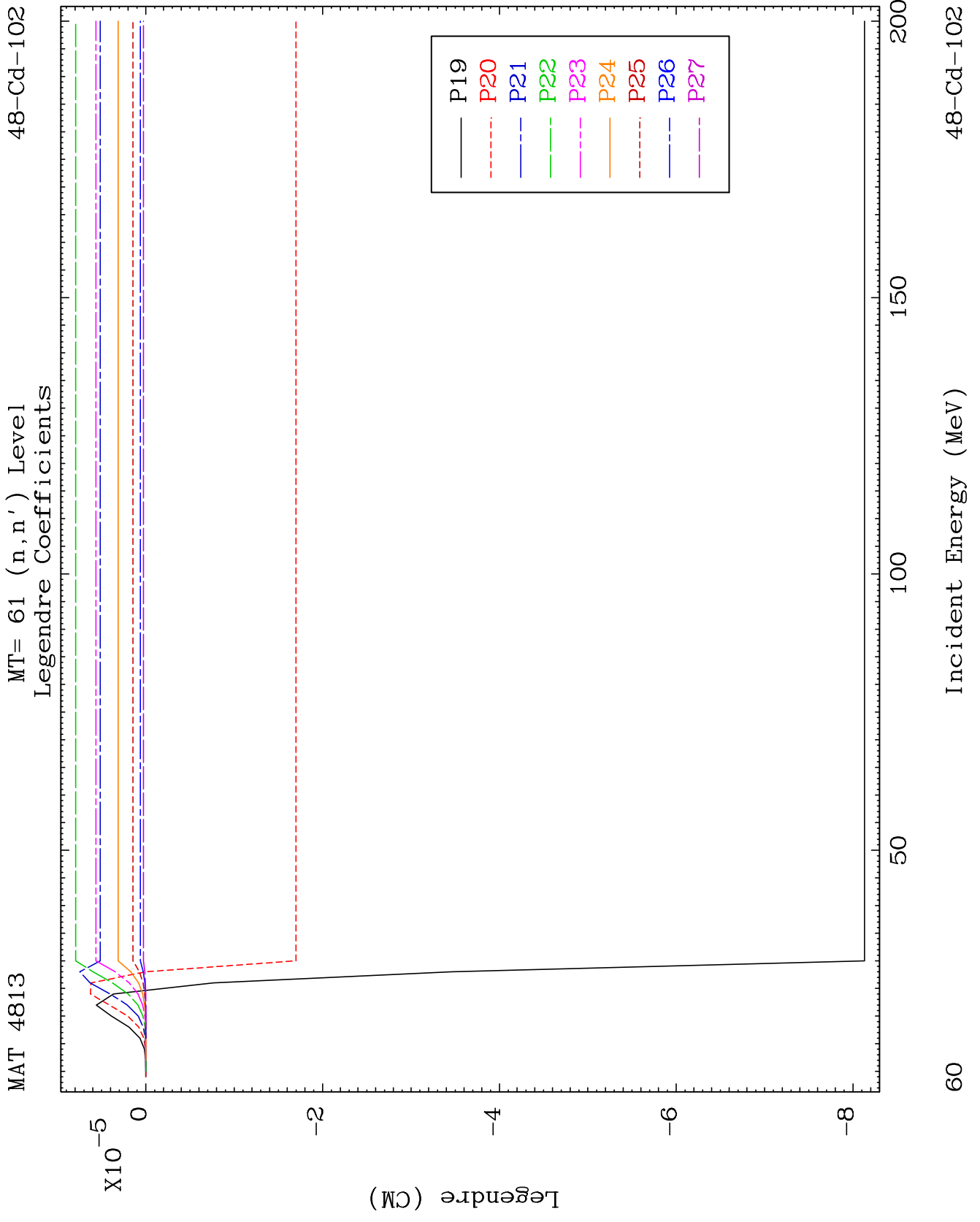
48-Cd-102



59

Incident Energy (MeV)

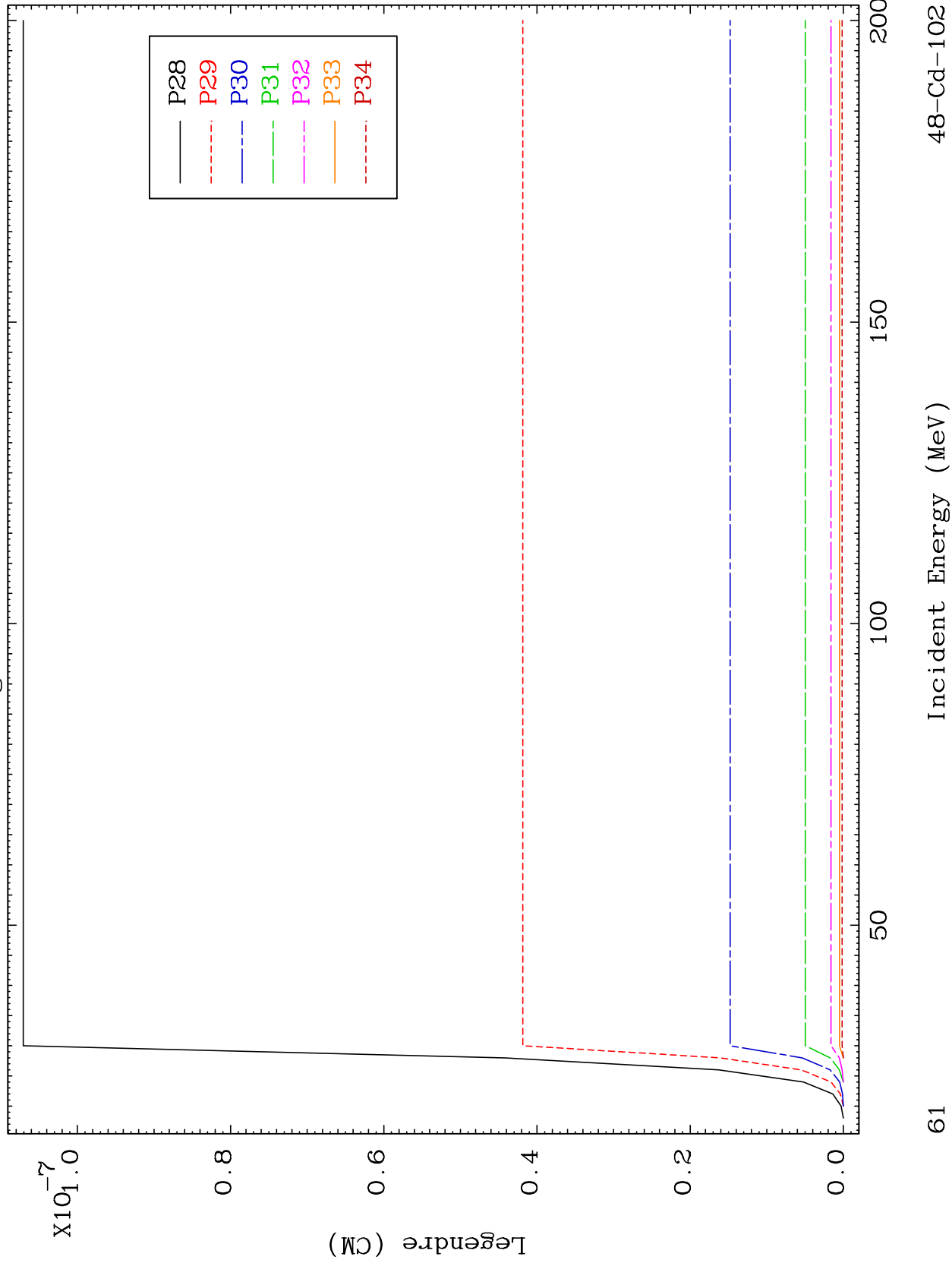
48-Cd-102



MAT 4813

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

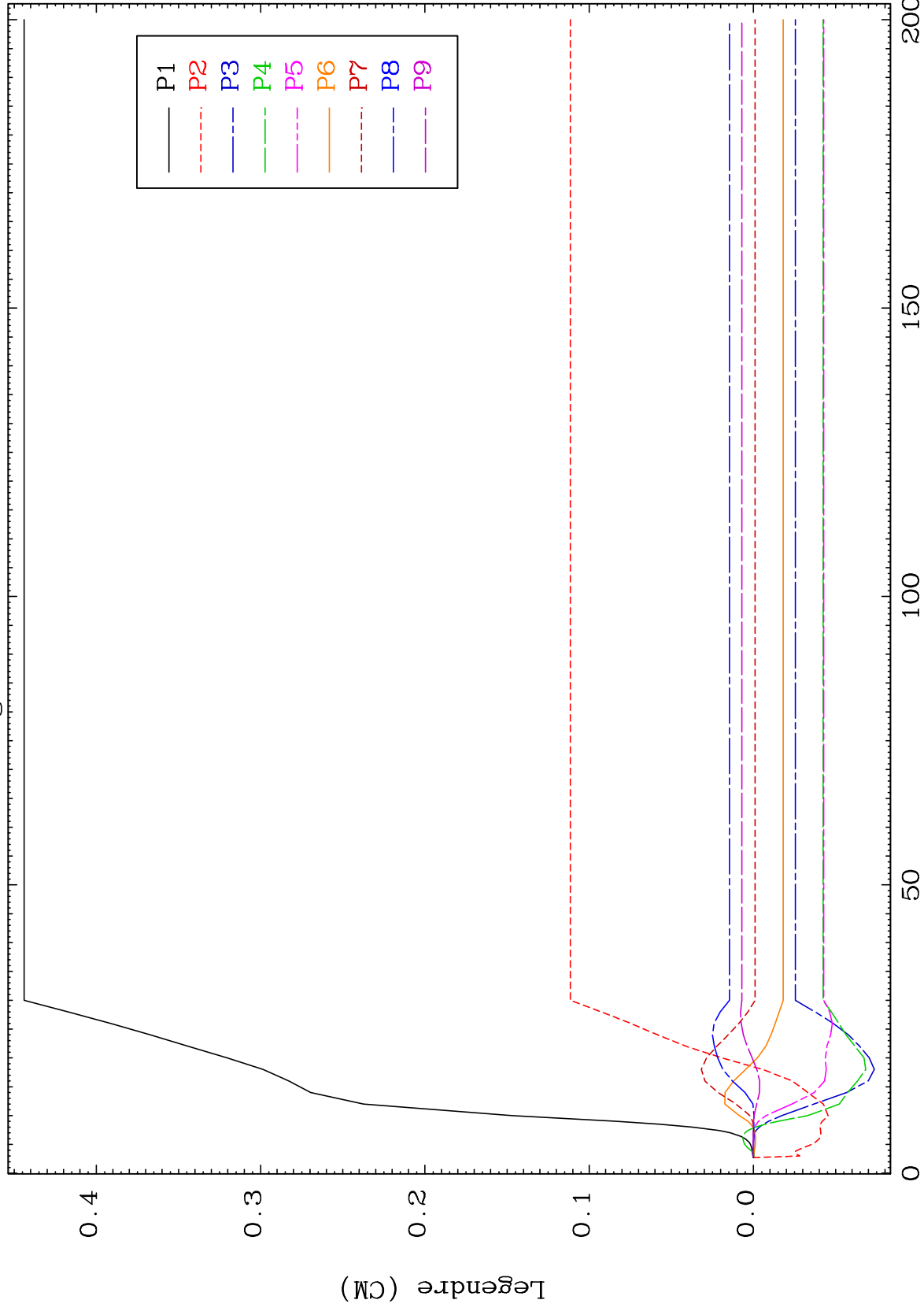
48-Cd-102



MAT 4813

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

48-Cd-102



62

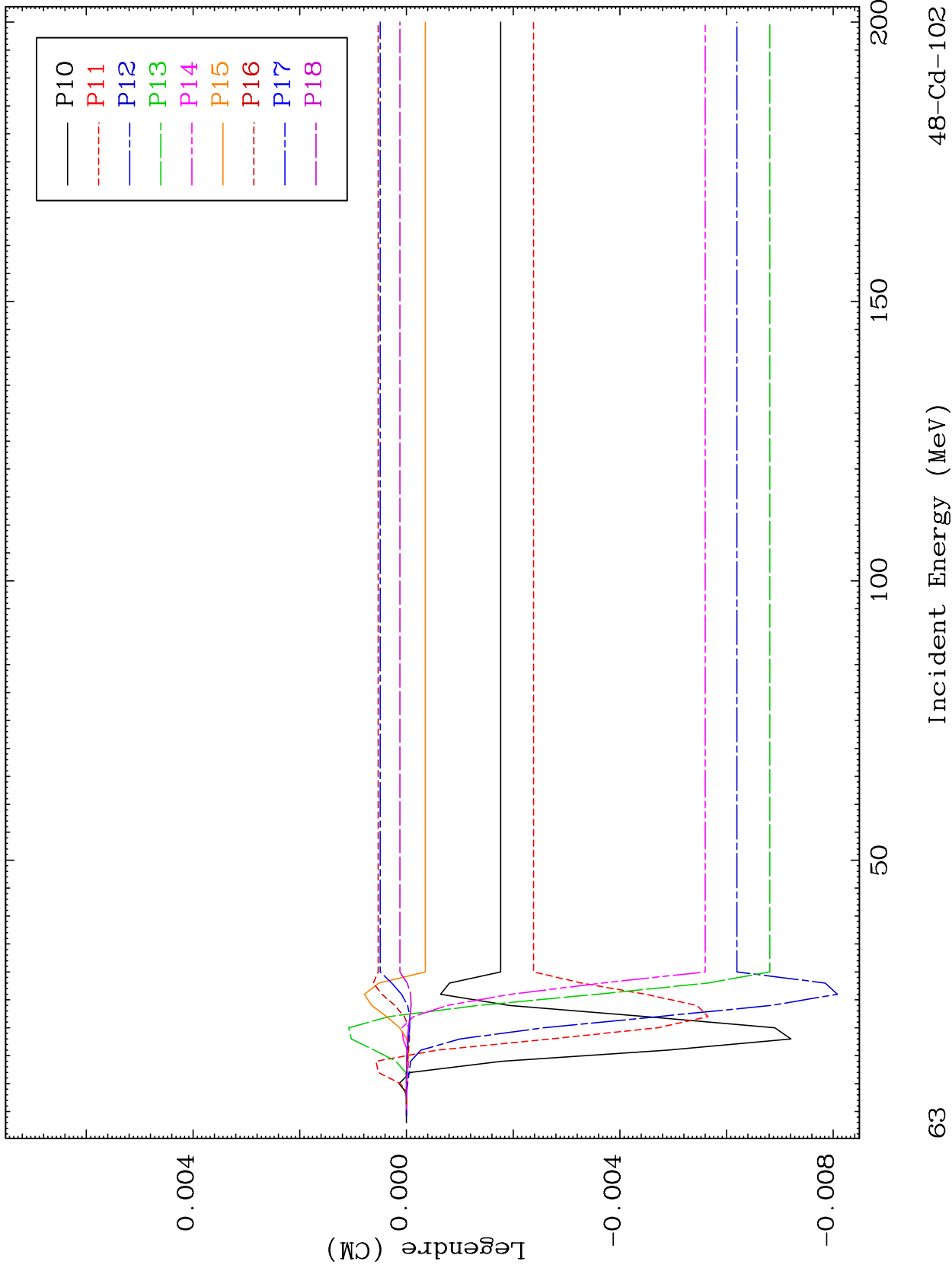
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

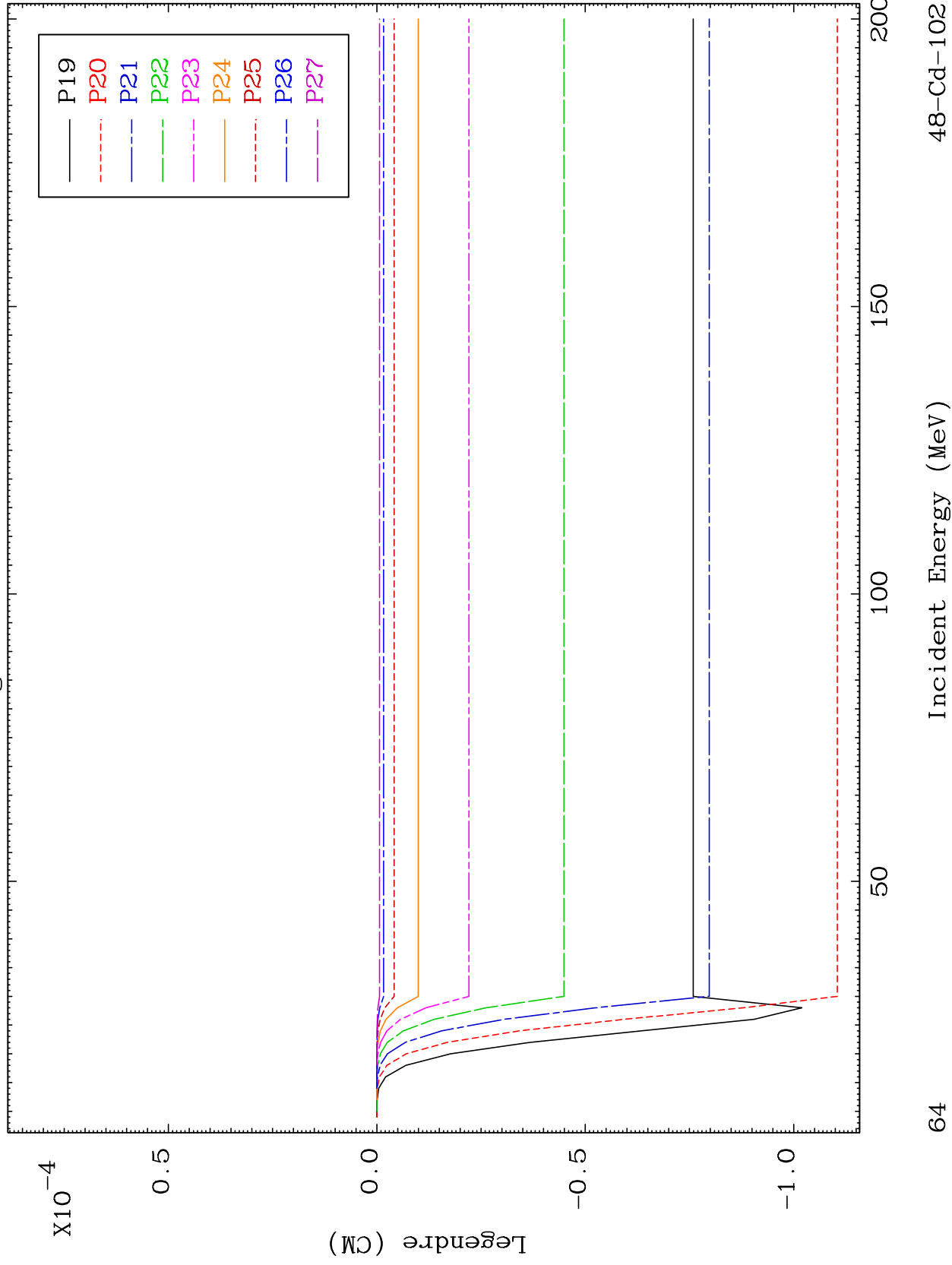
48-Cd-102



MAT 4813

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

48-Cd-102

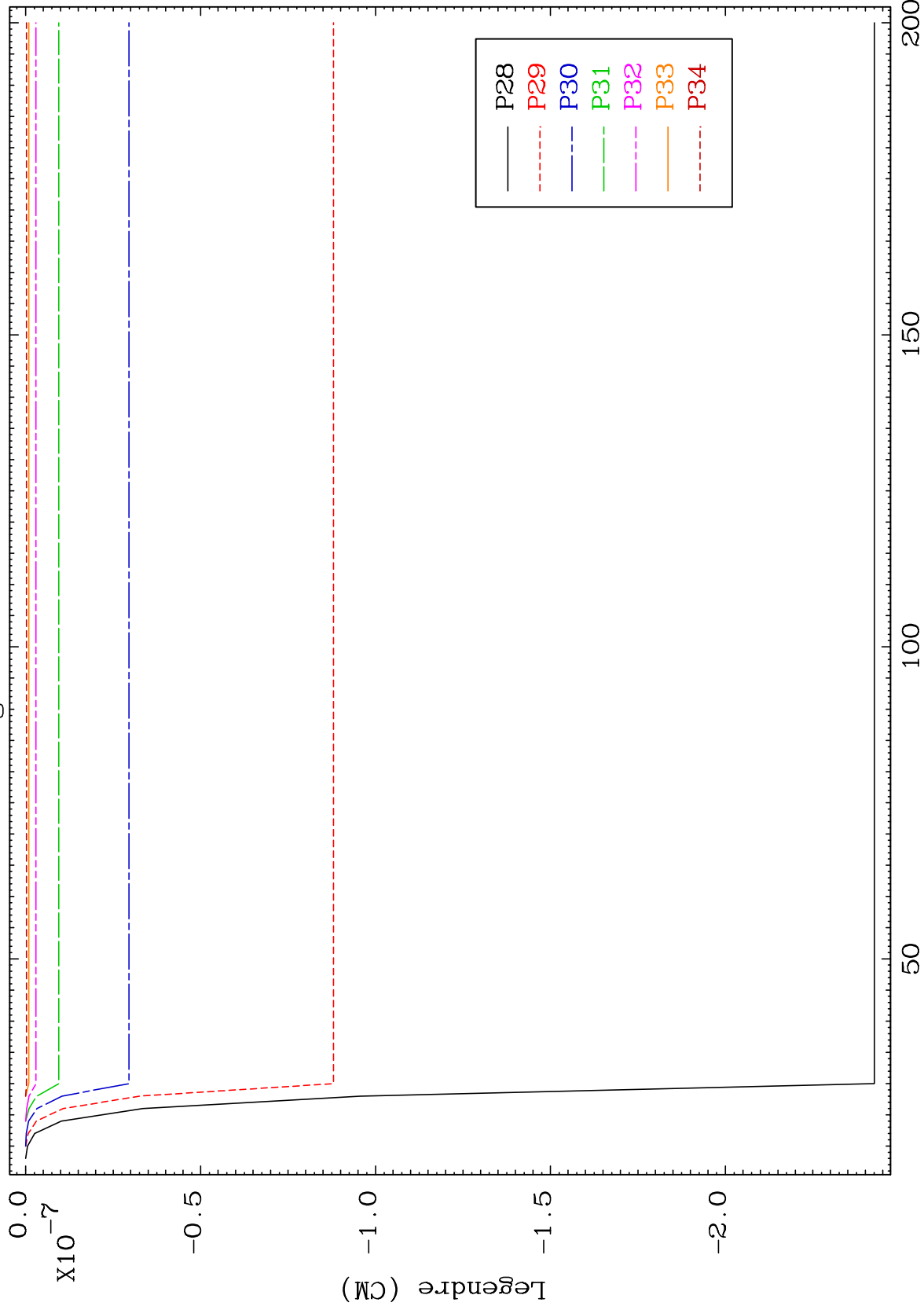


MAT 4813

MT= 62 (n,n') Level

48-Cd-102

Legendre Coefficients



65

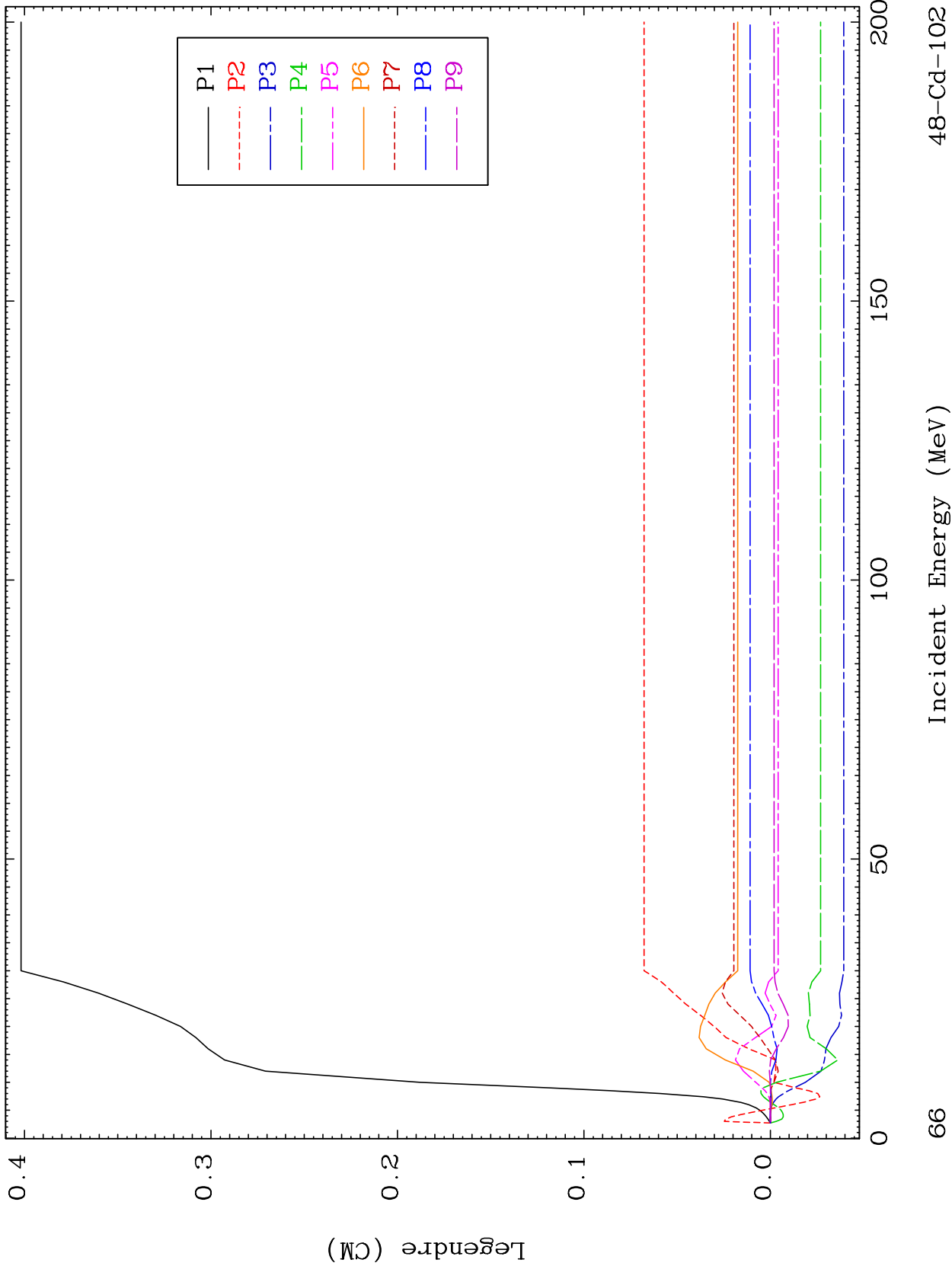
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

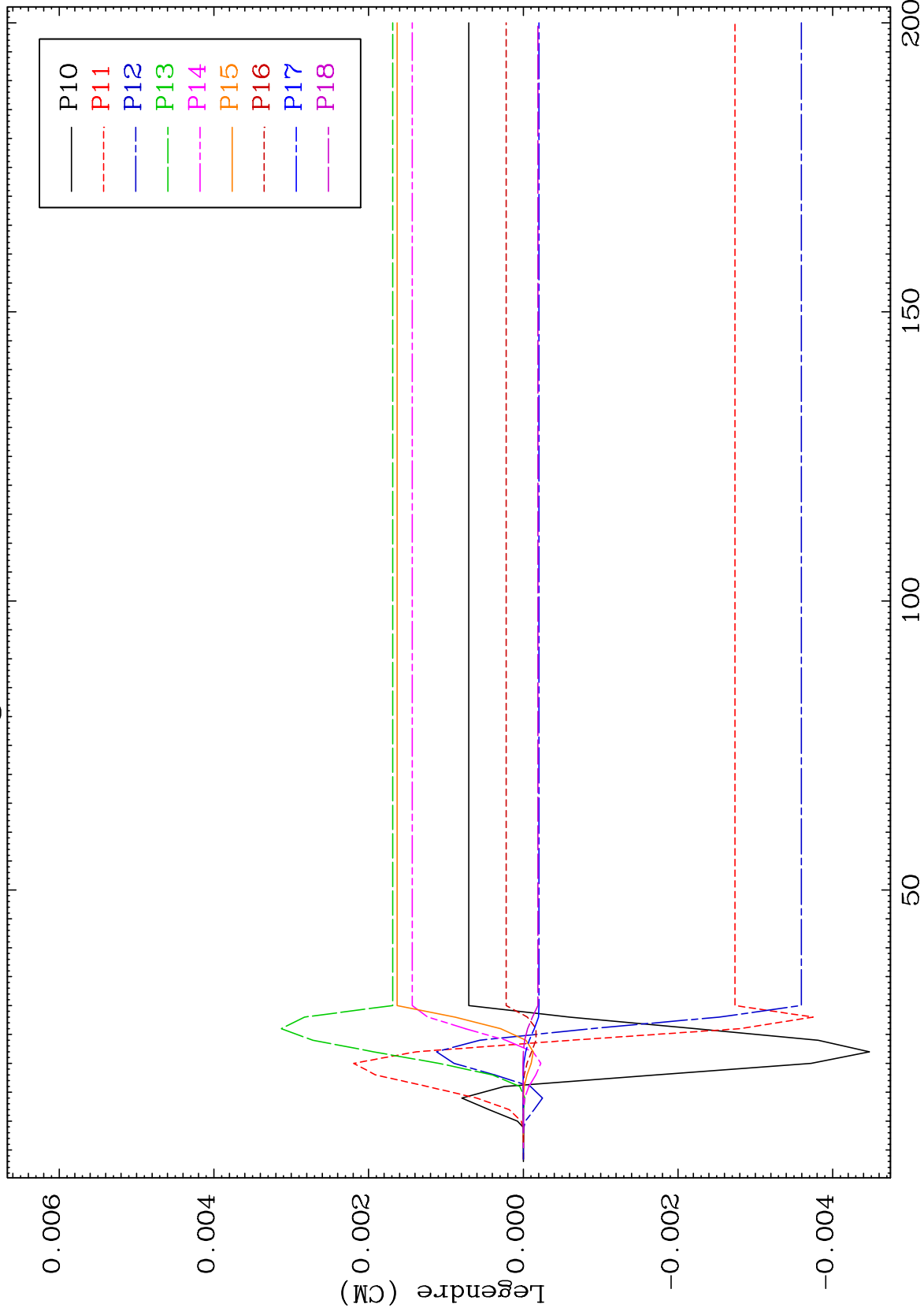
48-Cd-102



MAT 4813

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

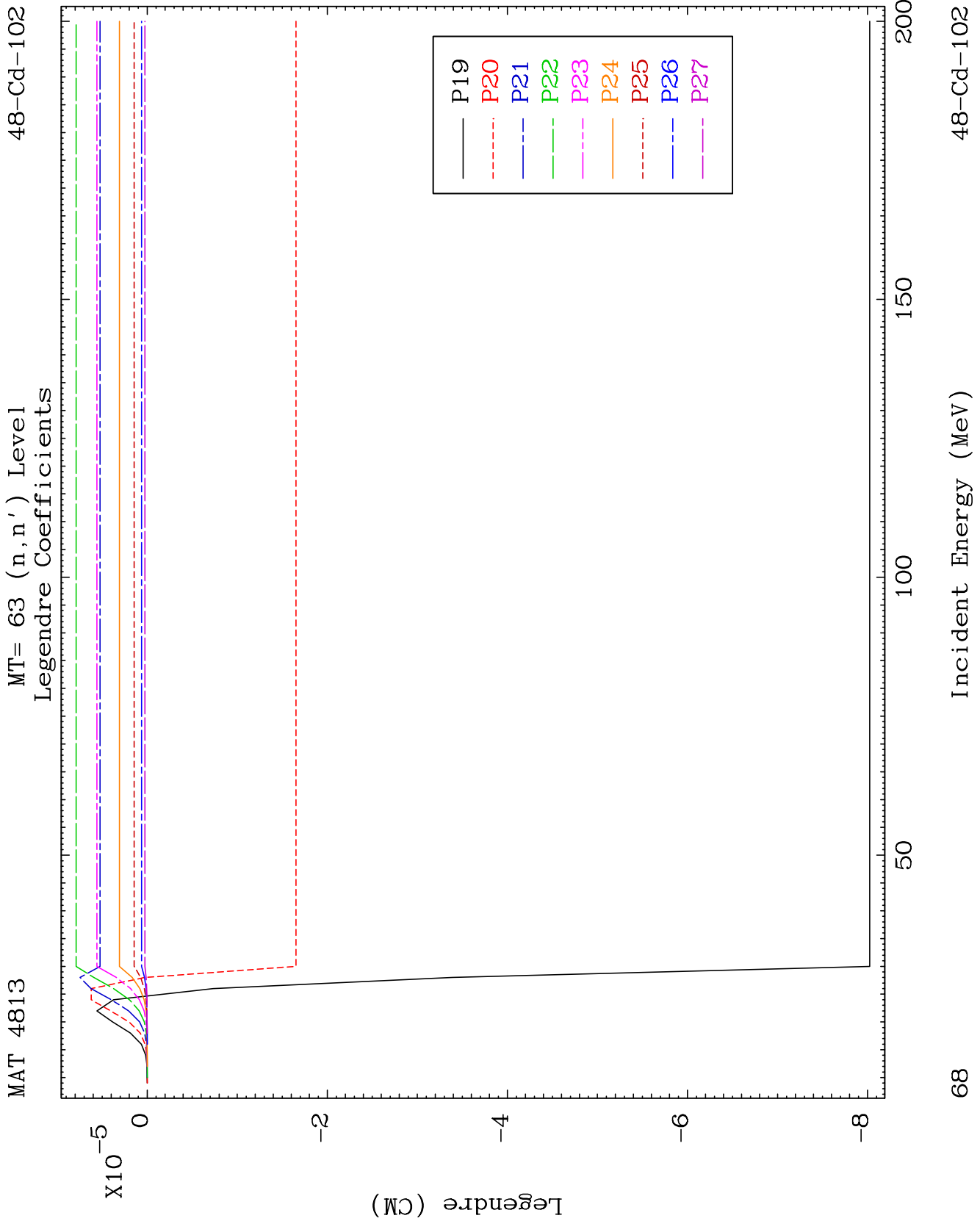
48-Cd-102



67

Incident Energy (MeV)

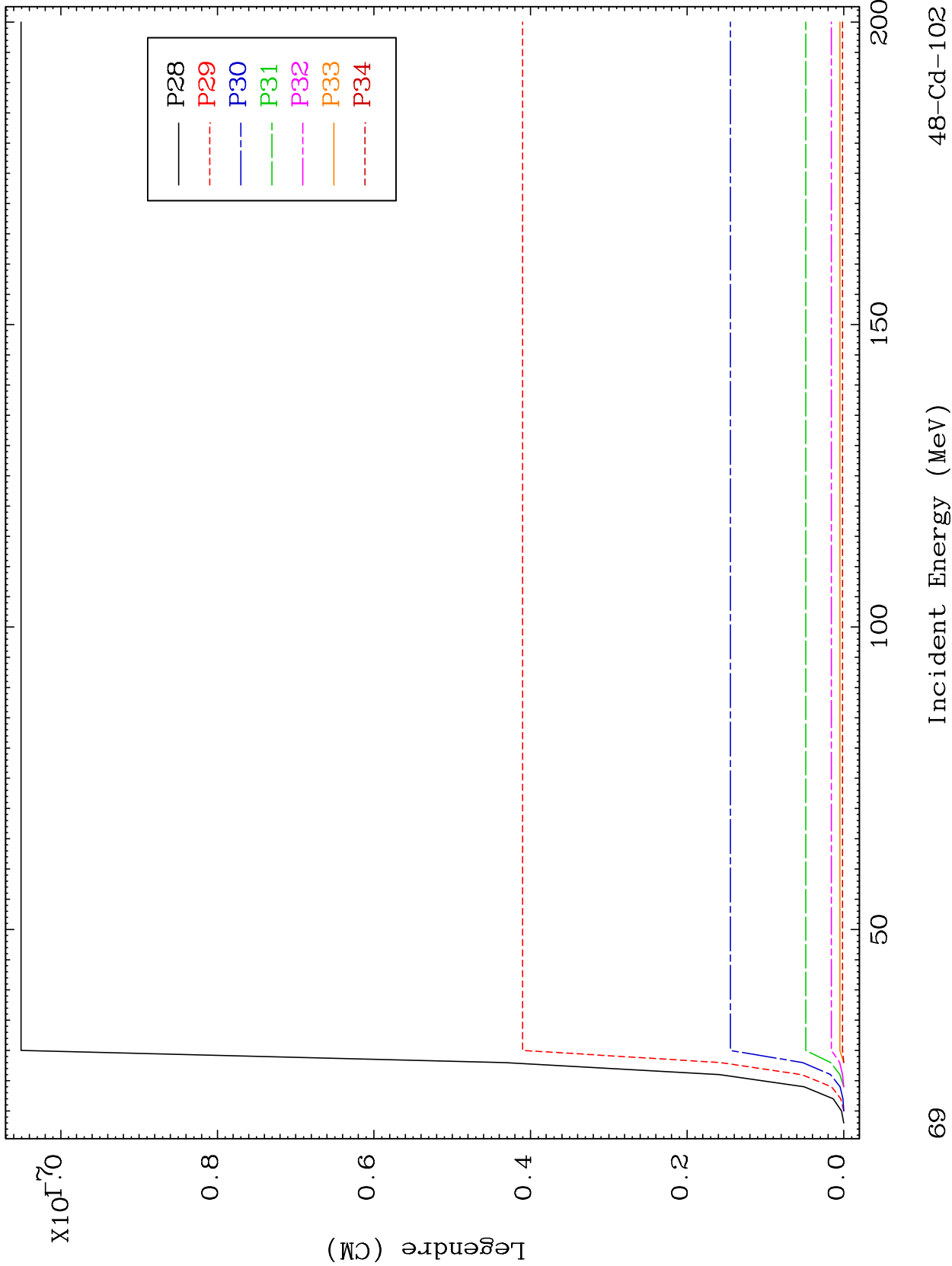
48-Cd-102



MAT 4813

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

48-Cd-102



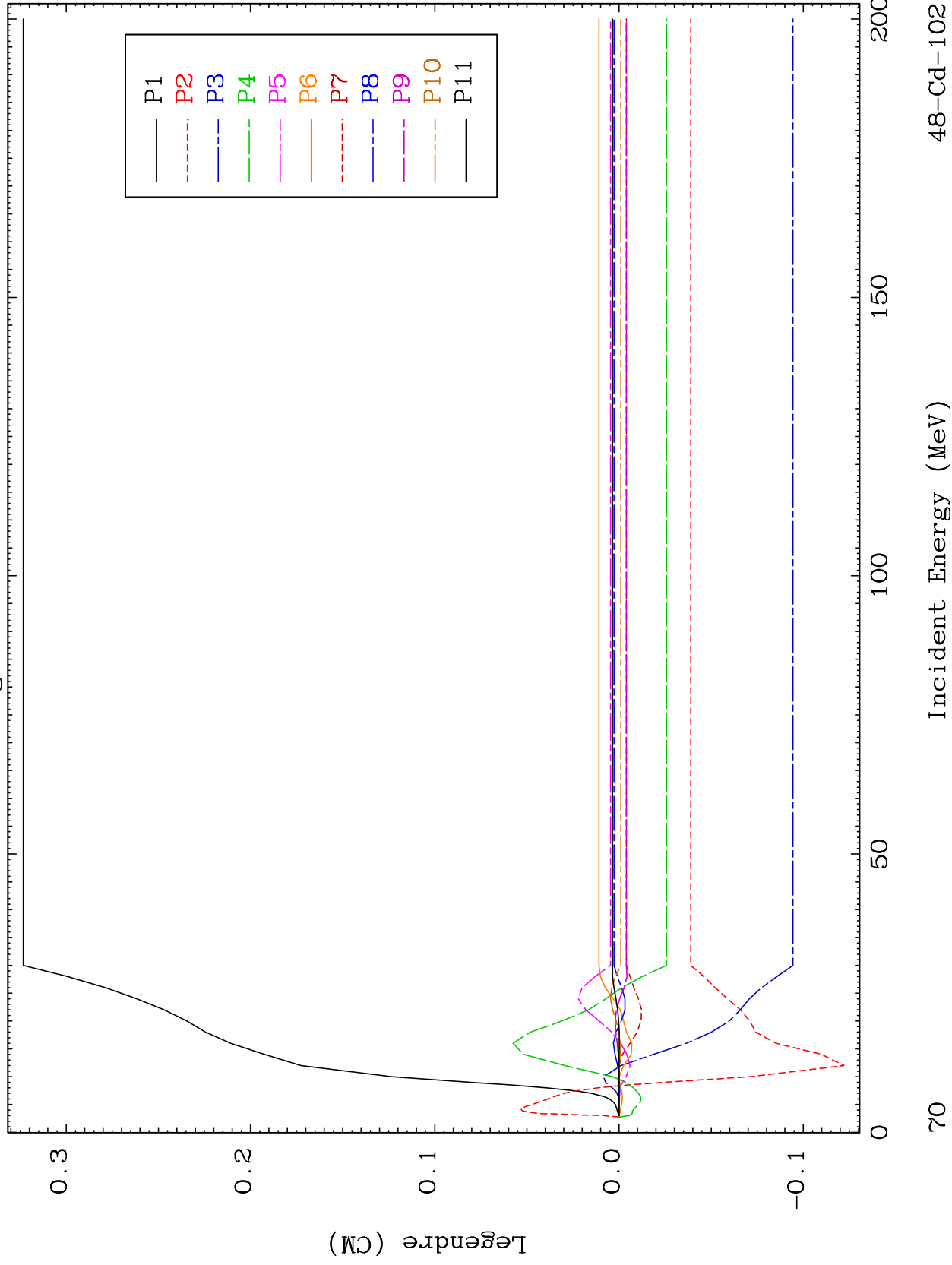
69

48-Cd-102

MAT 4813

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

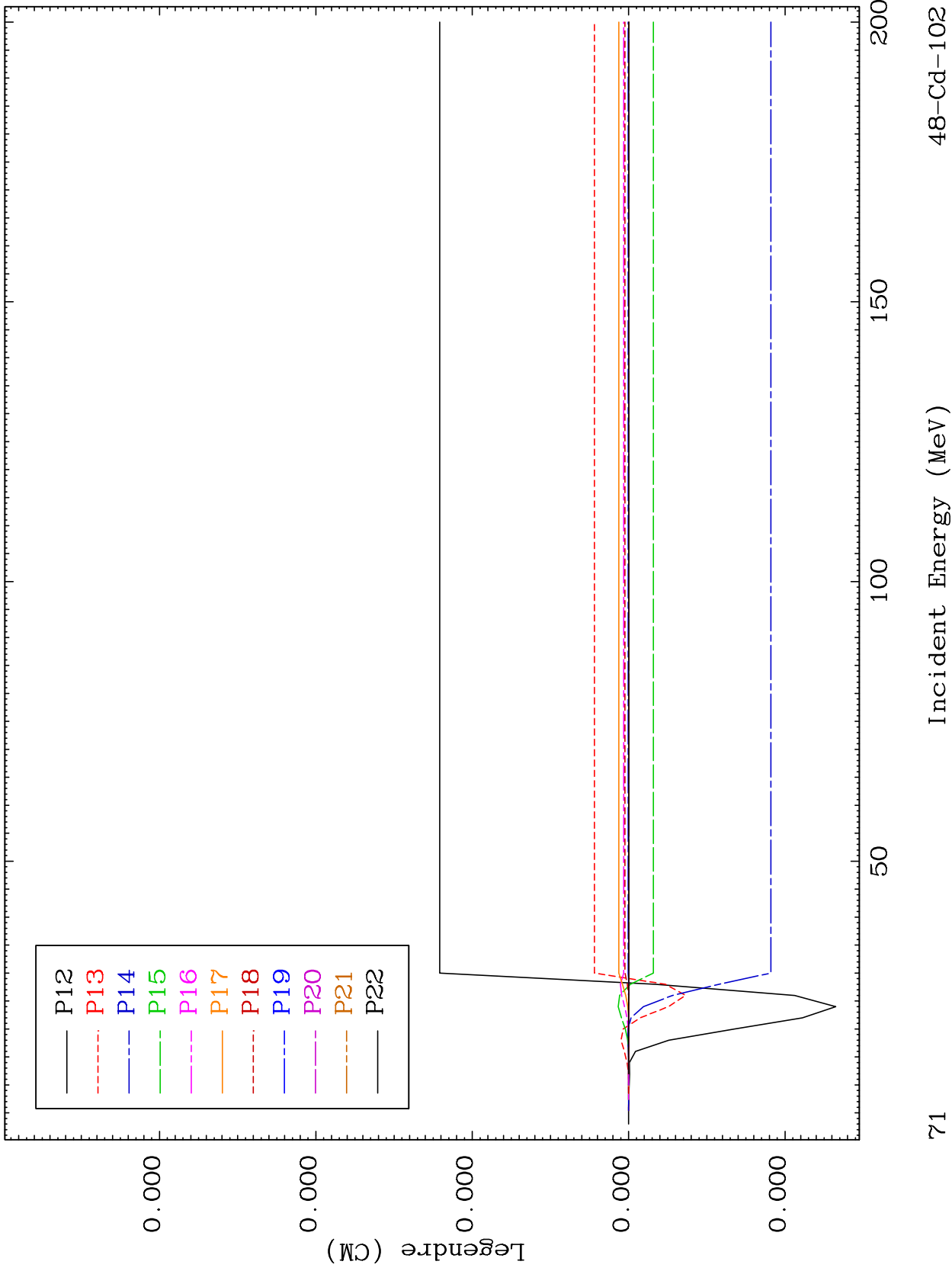
48-Cd-102

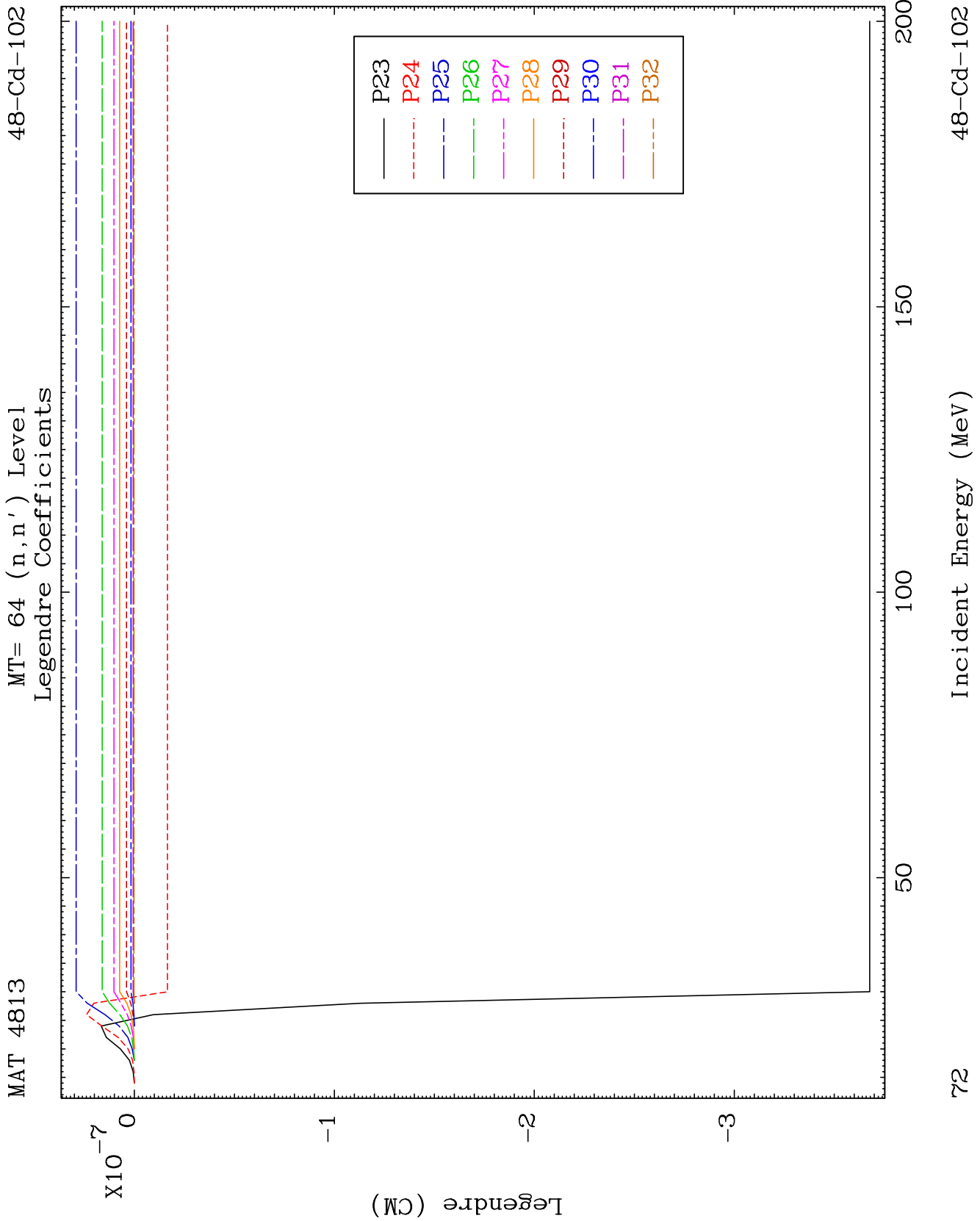


MAT 4813

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

48-Cd-102

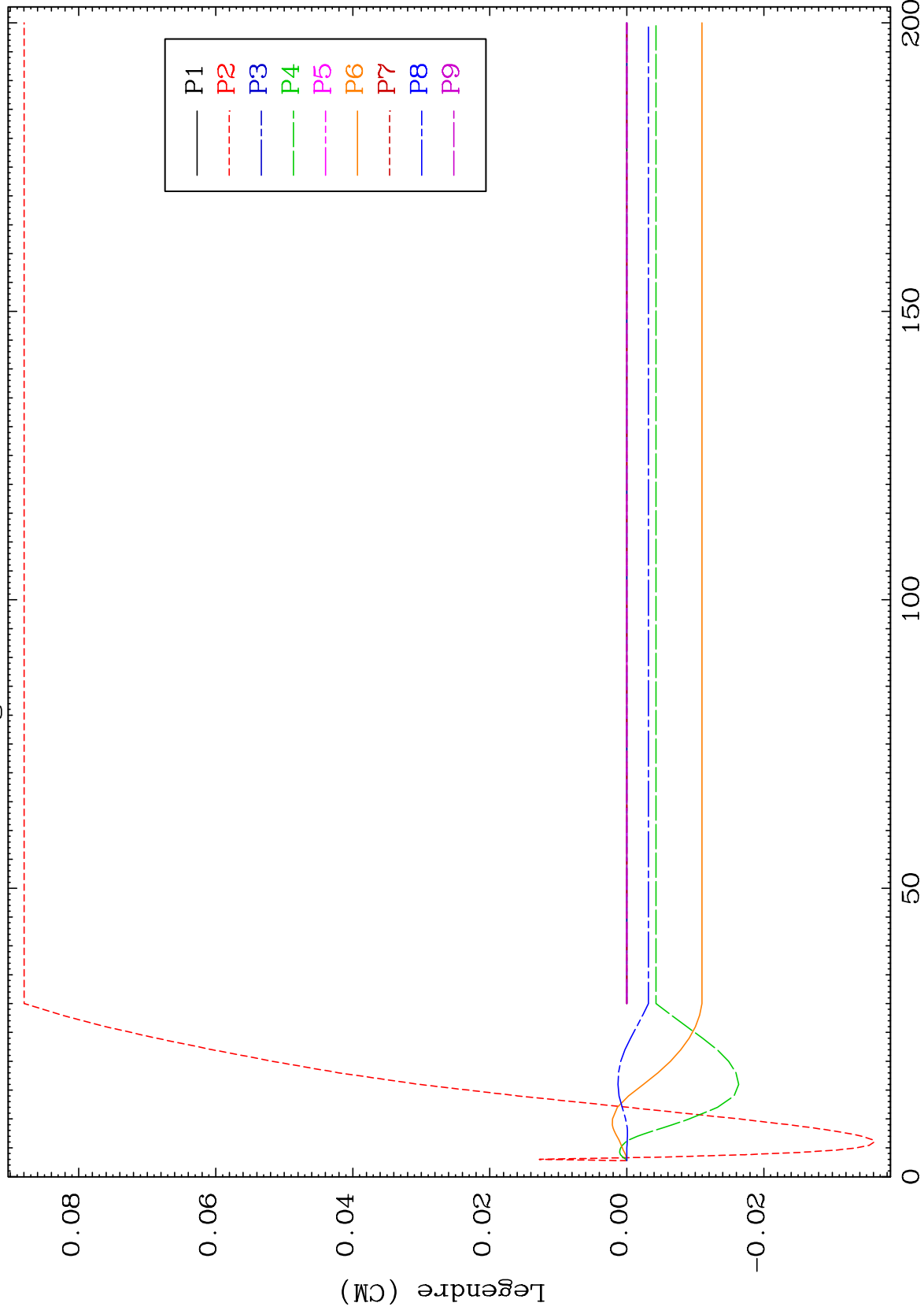




MAT 4813

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

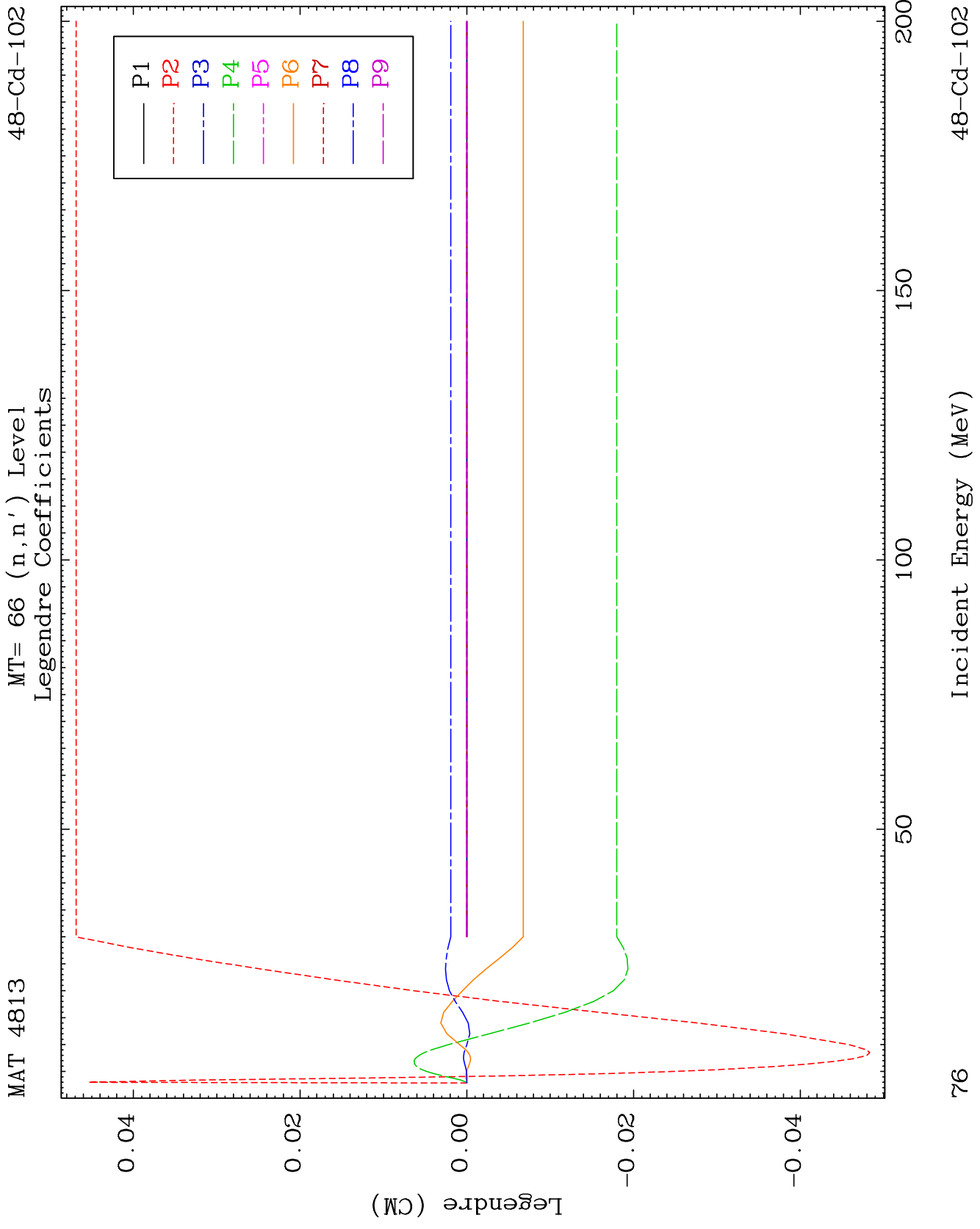
48-Cd-102



73

Incident Energy (MeV)

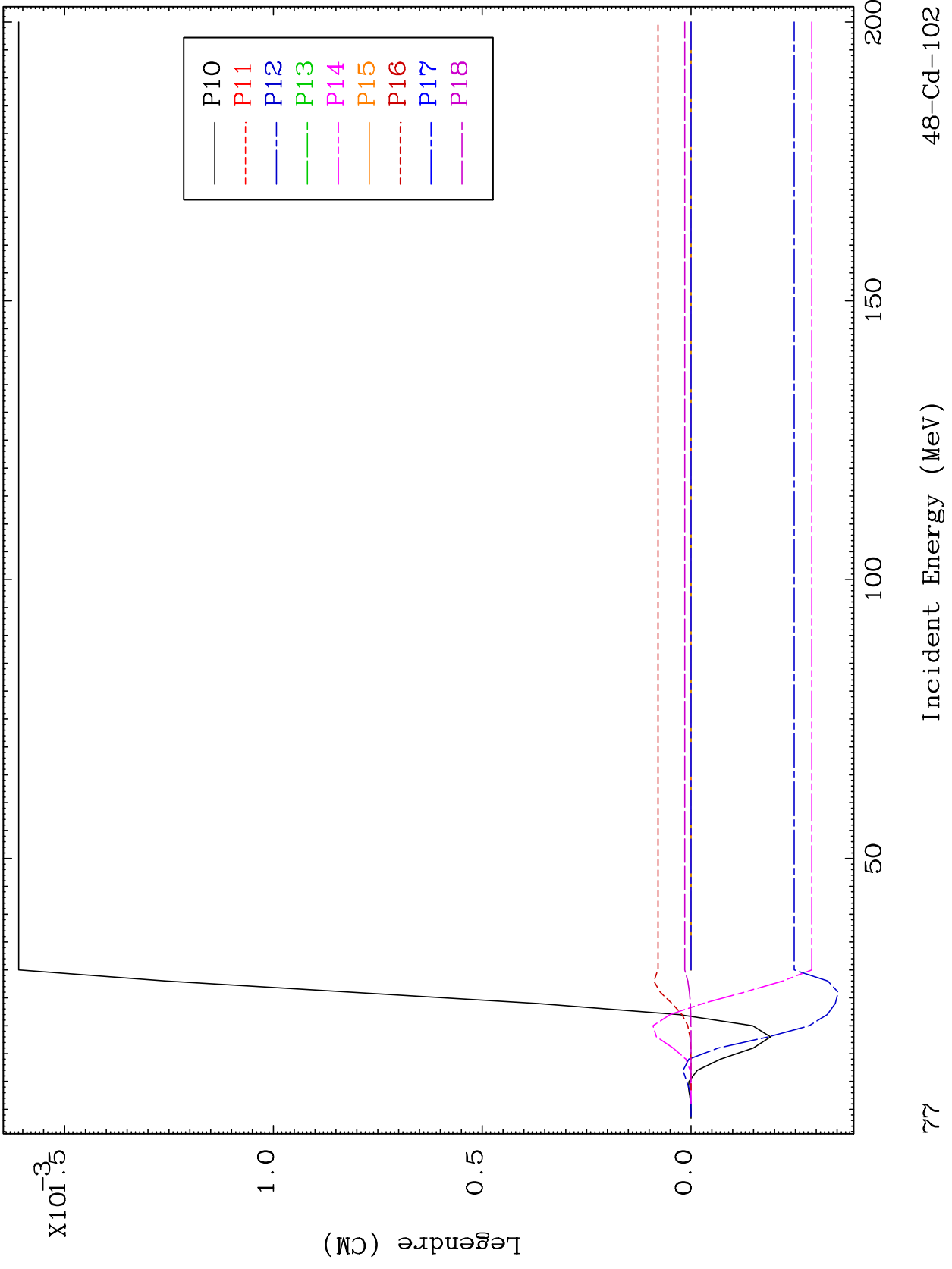
48-Cd-102



MAT 4813

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

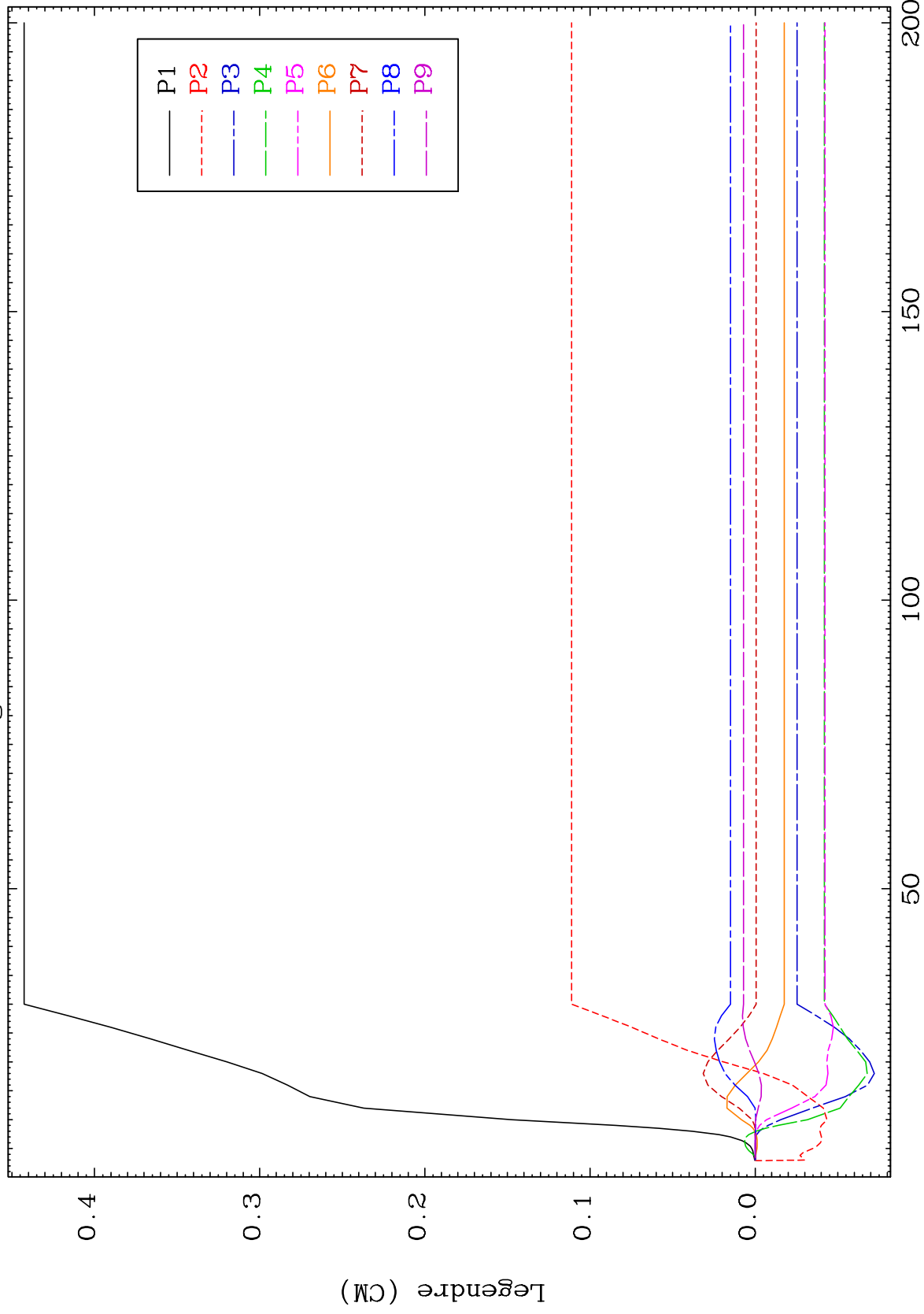
48-Cd-102



MAT 4813

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

48-Cd-102



79

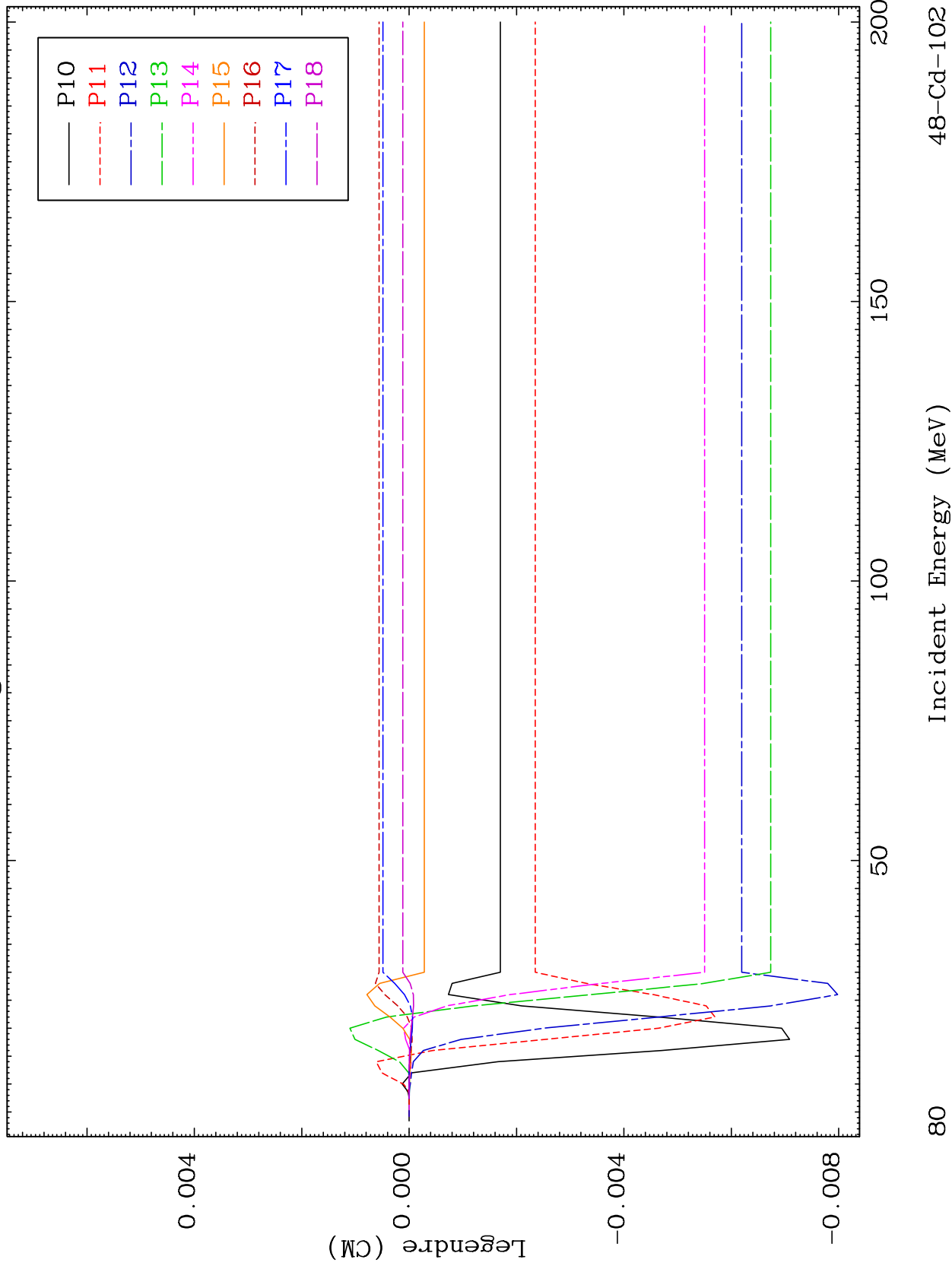
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

48-Cd-102



80

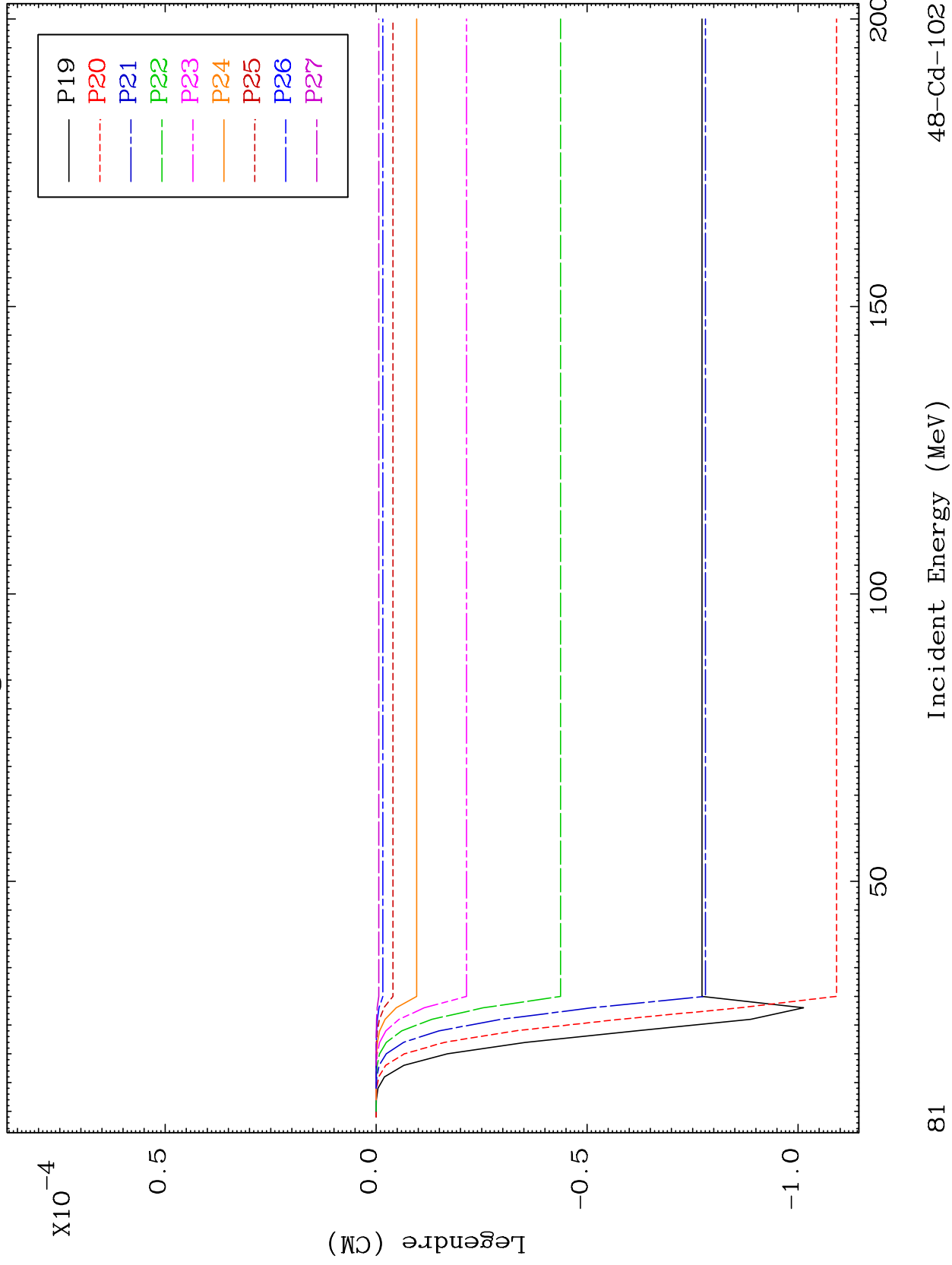
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

48-Cd-102

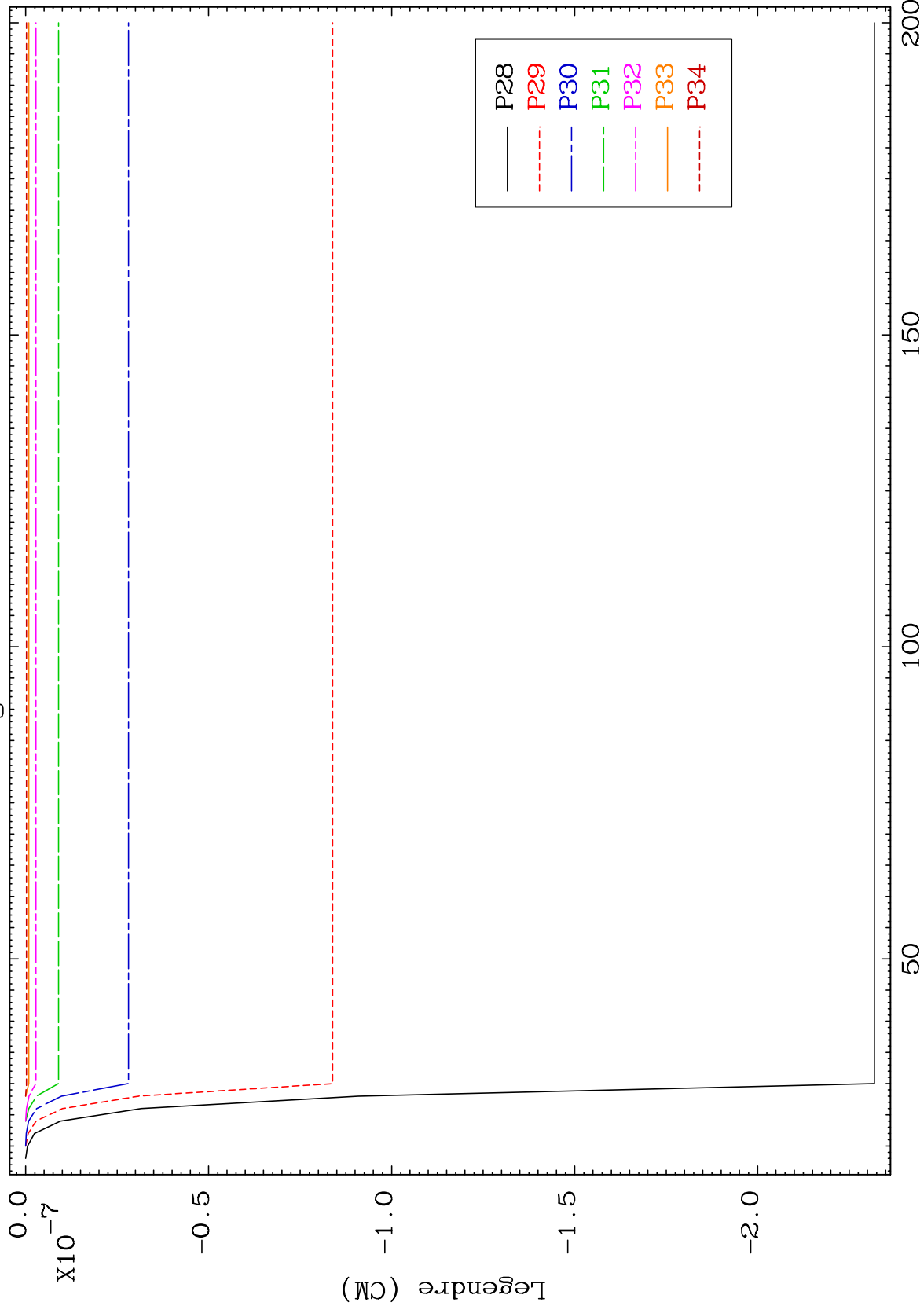


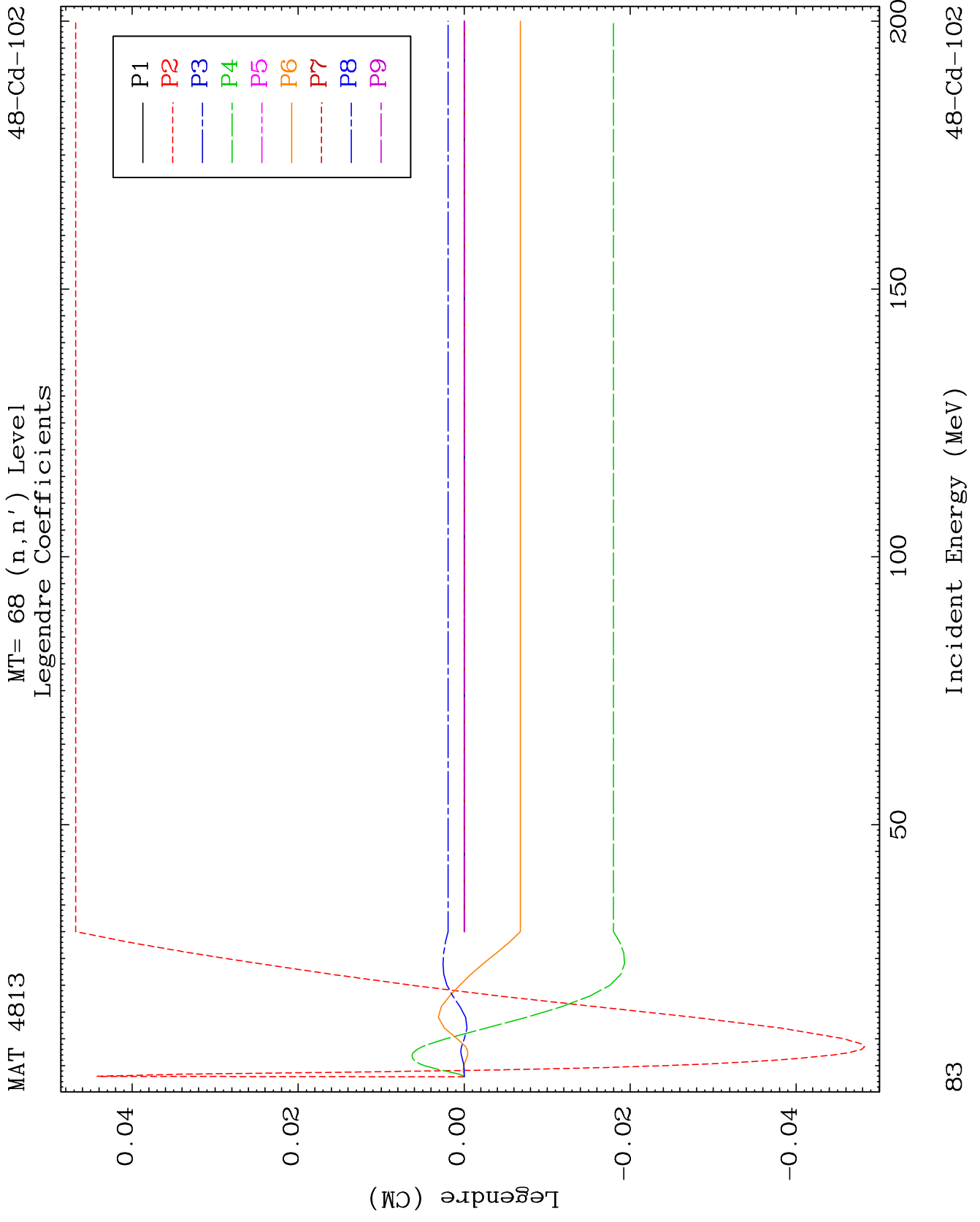
MAT 4813

MT= 67 (n,n') Level

48-Cd-102

Legendre Coefficients

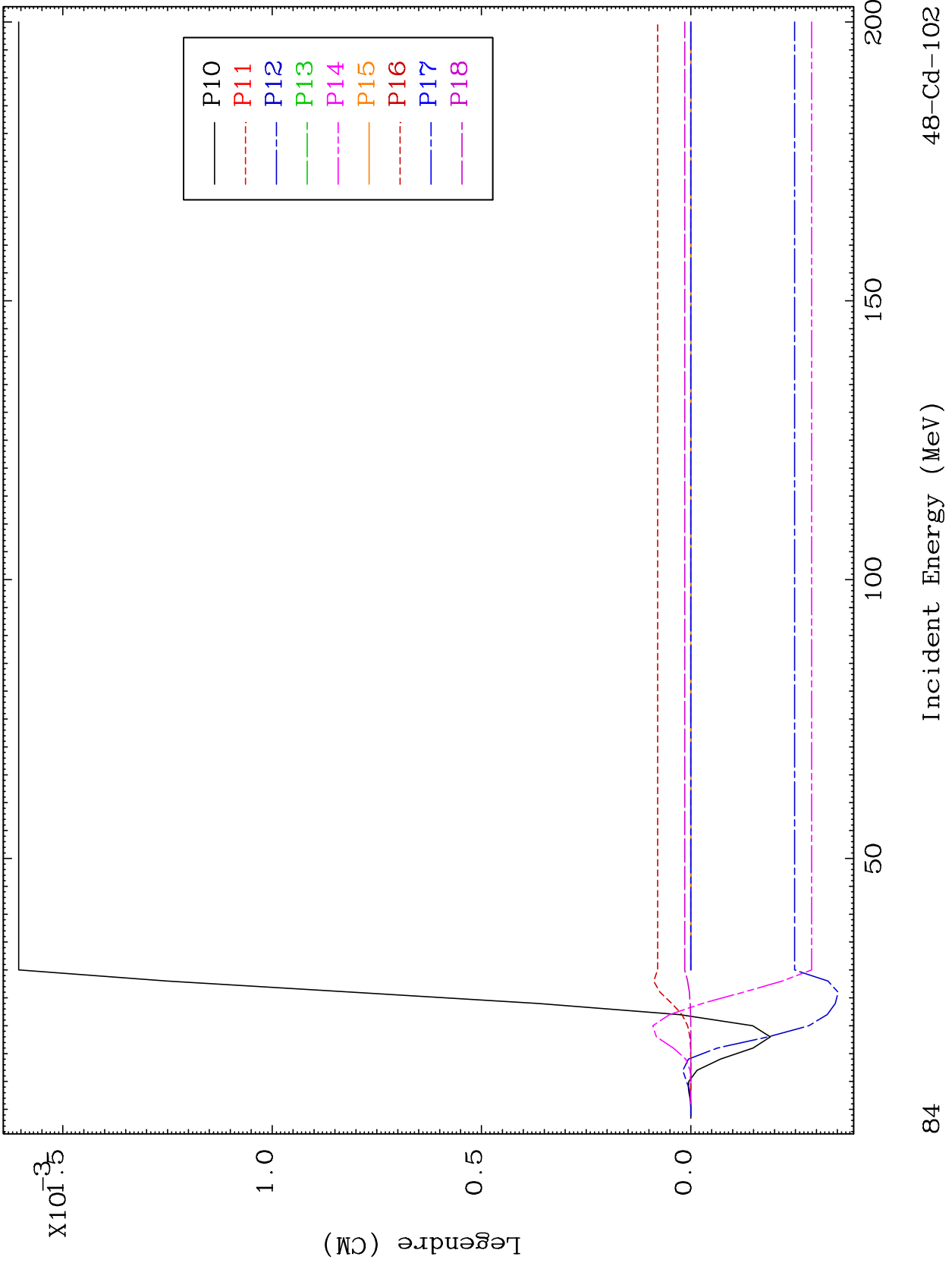




MAT 4813

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

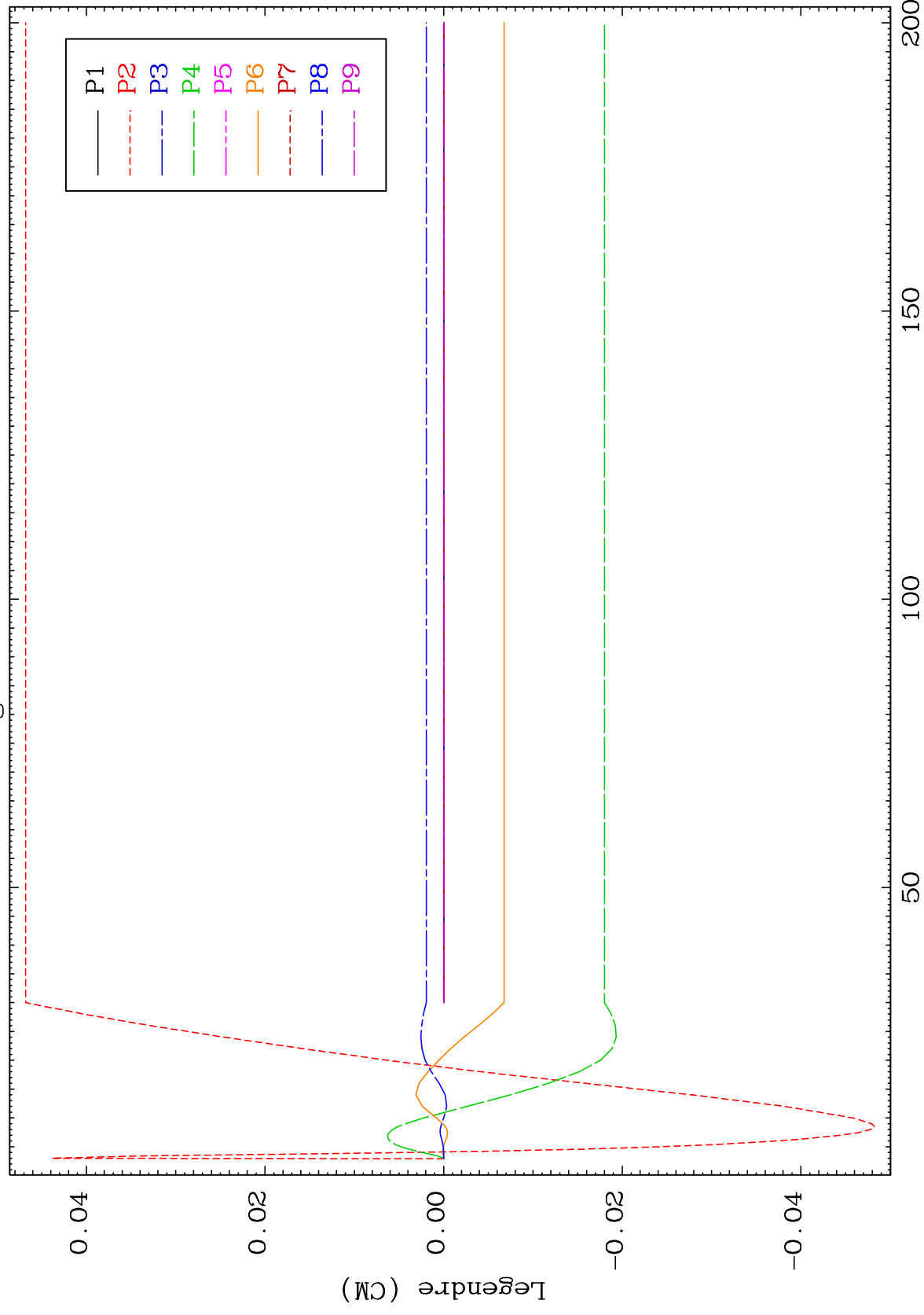
48-Cd-102



MAT 4813

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

48-Cd-102



86

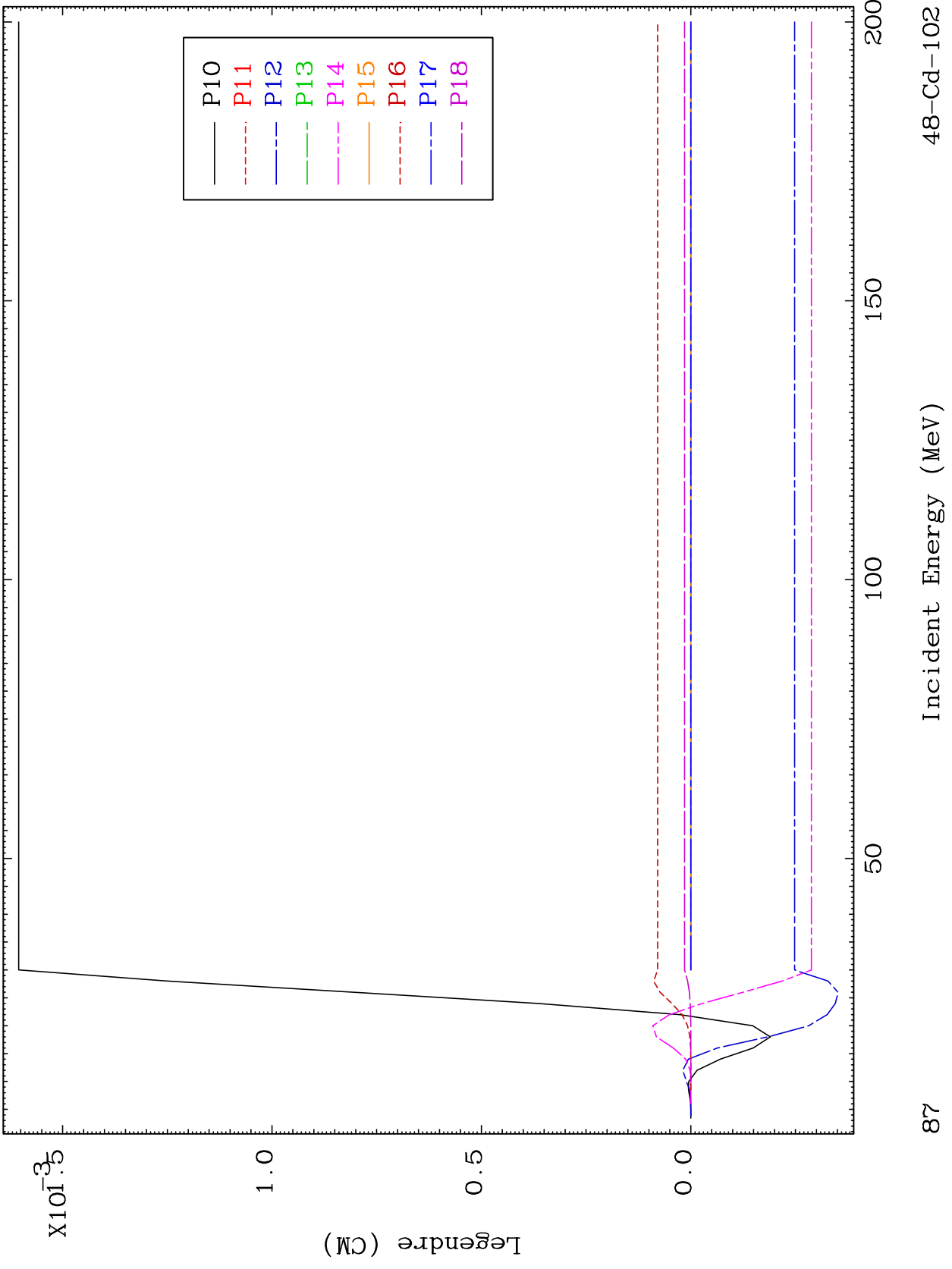
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

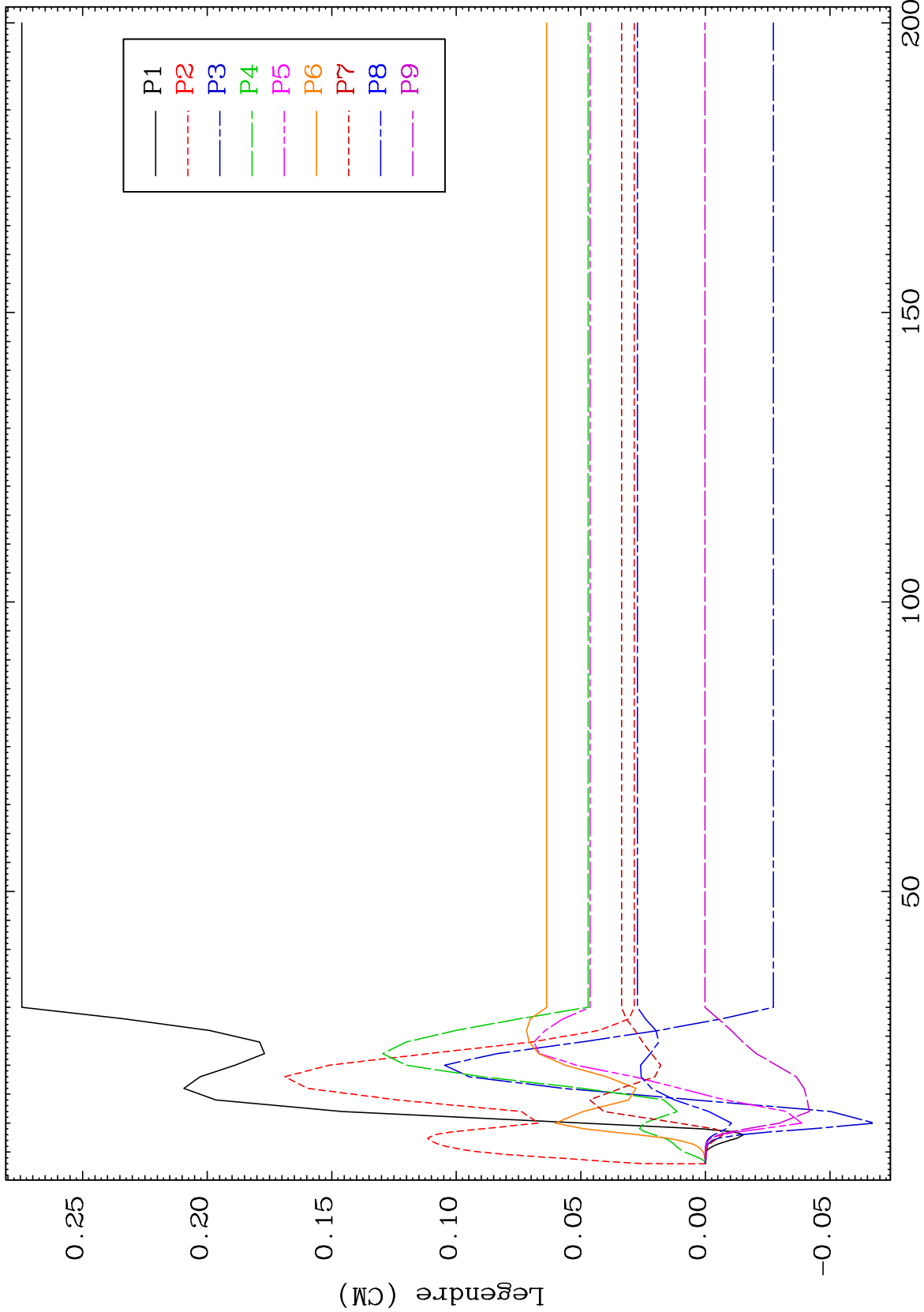
48-Cd-102



MAT 4813

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

48-Cd-102



89

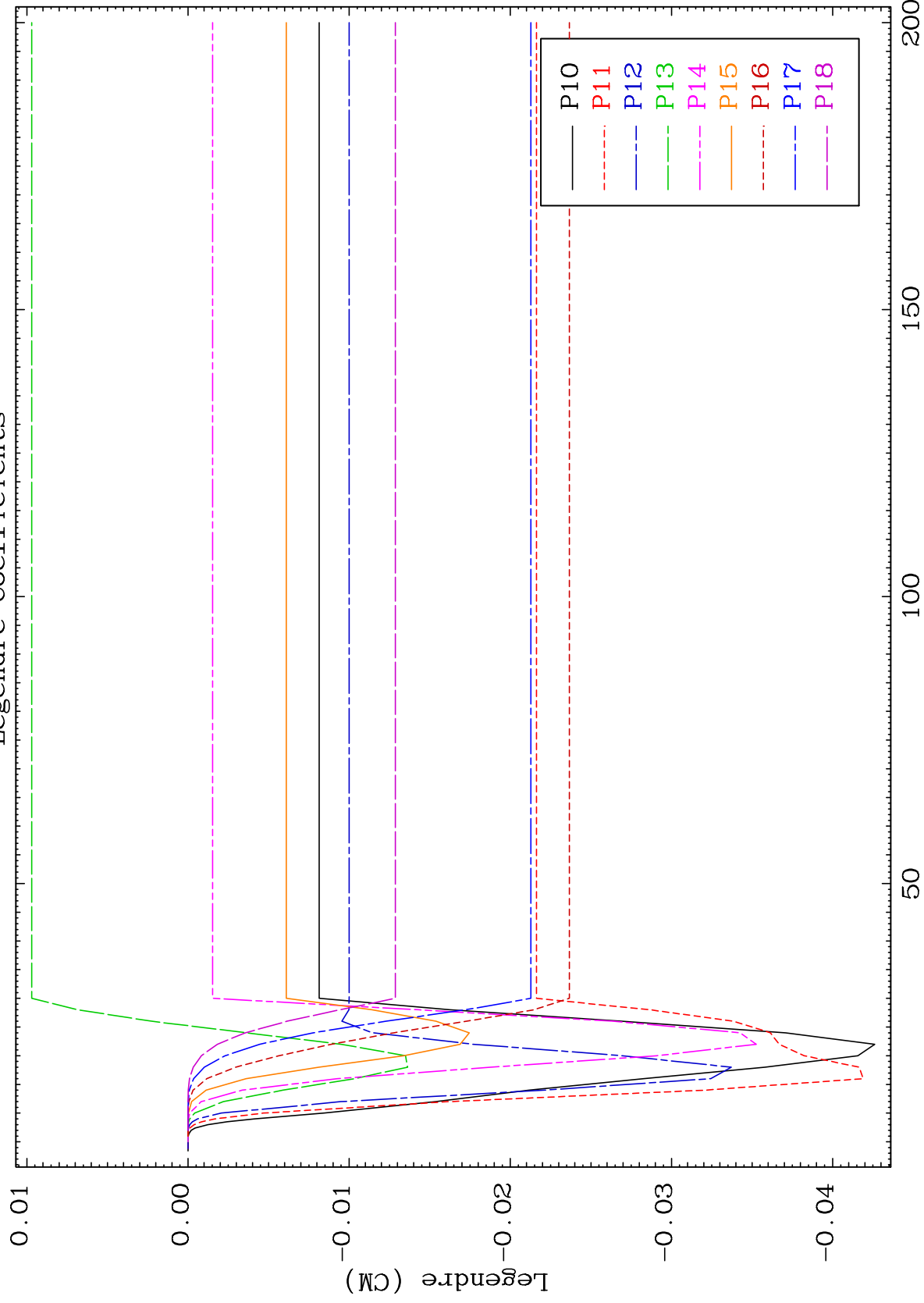
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

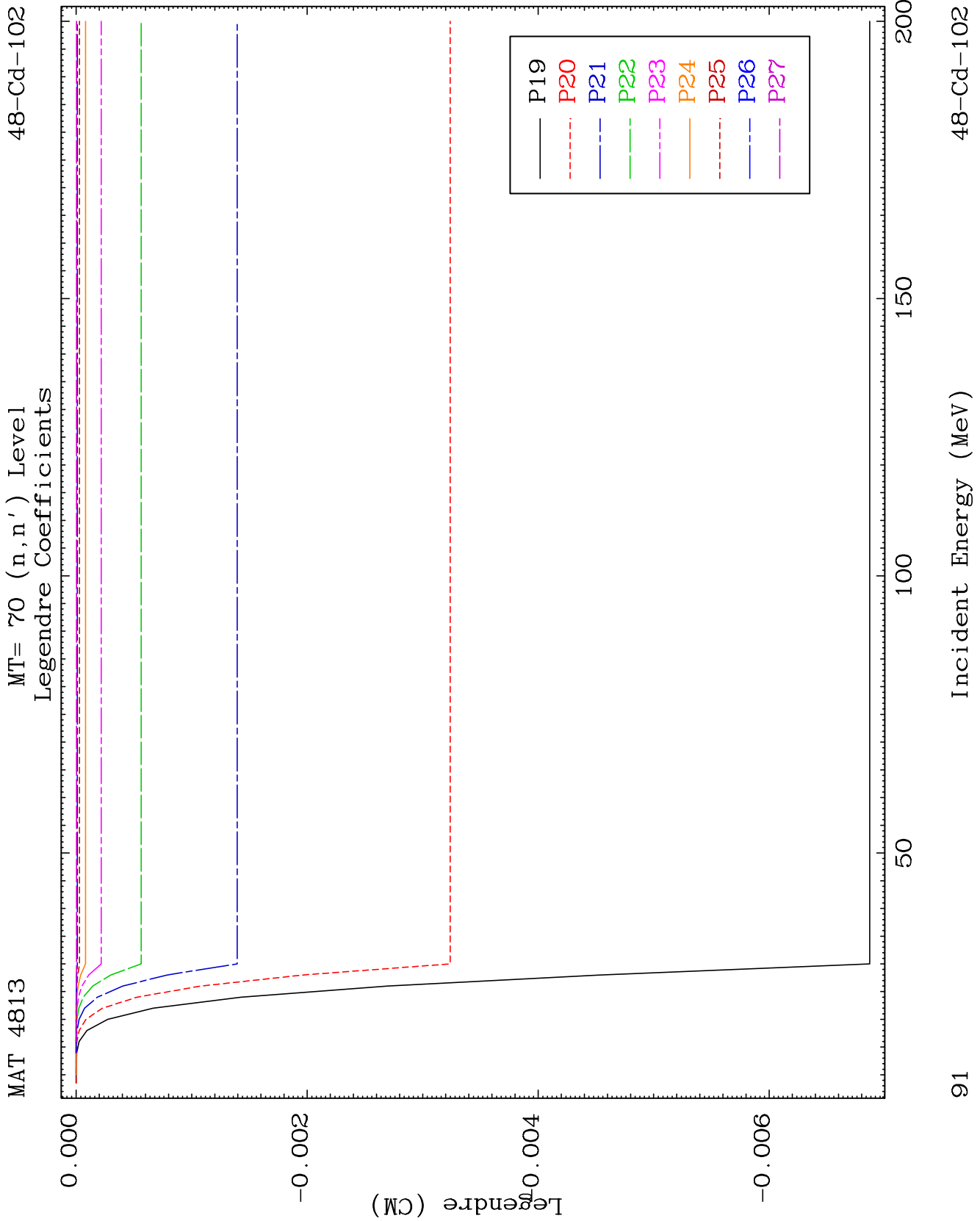
48-Cd-102

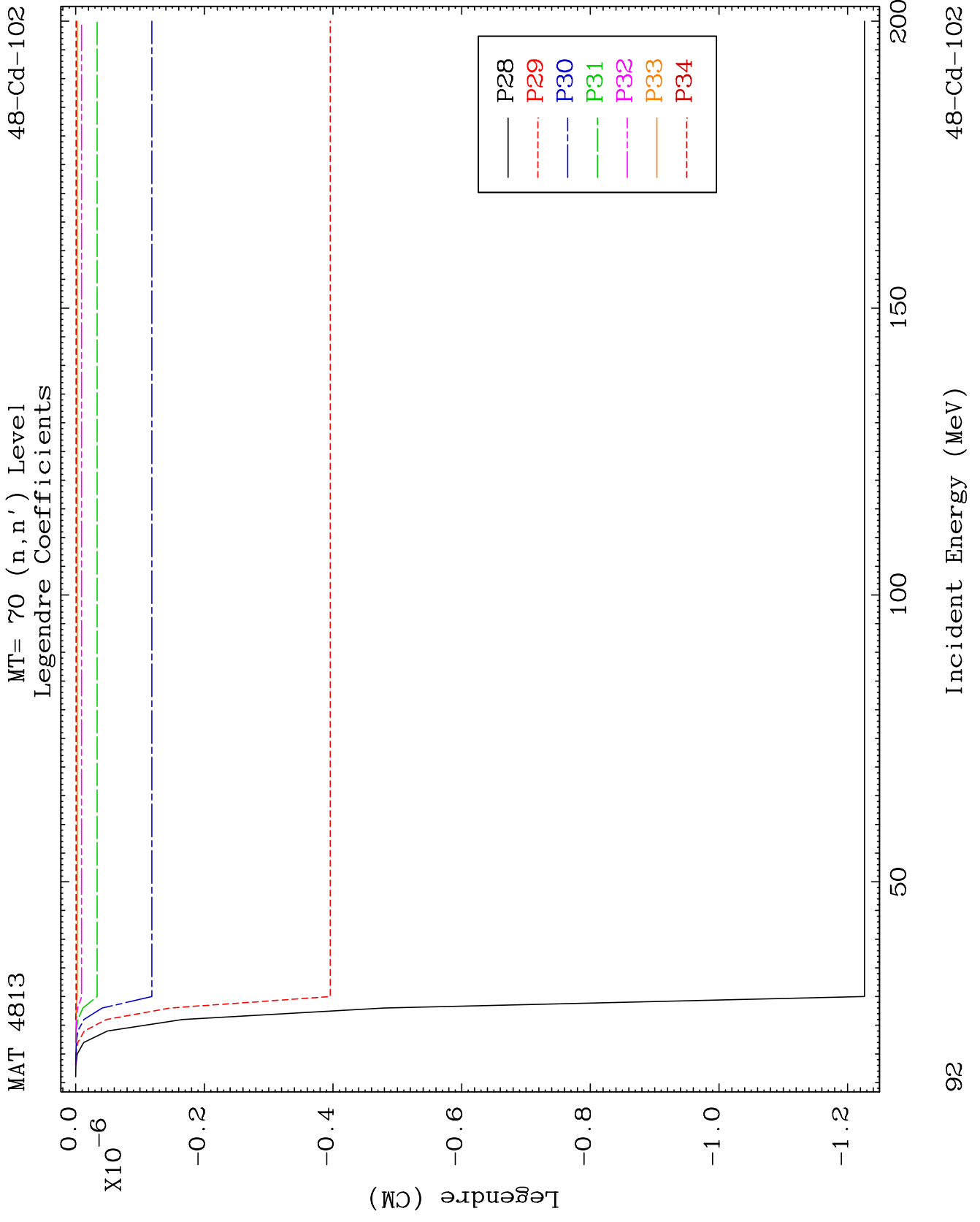


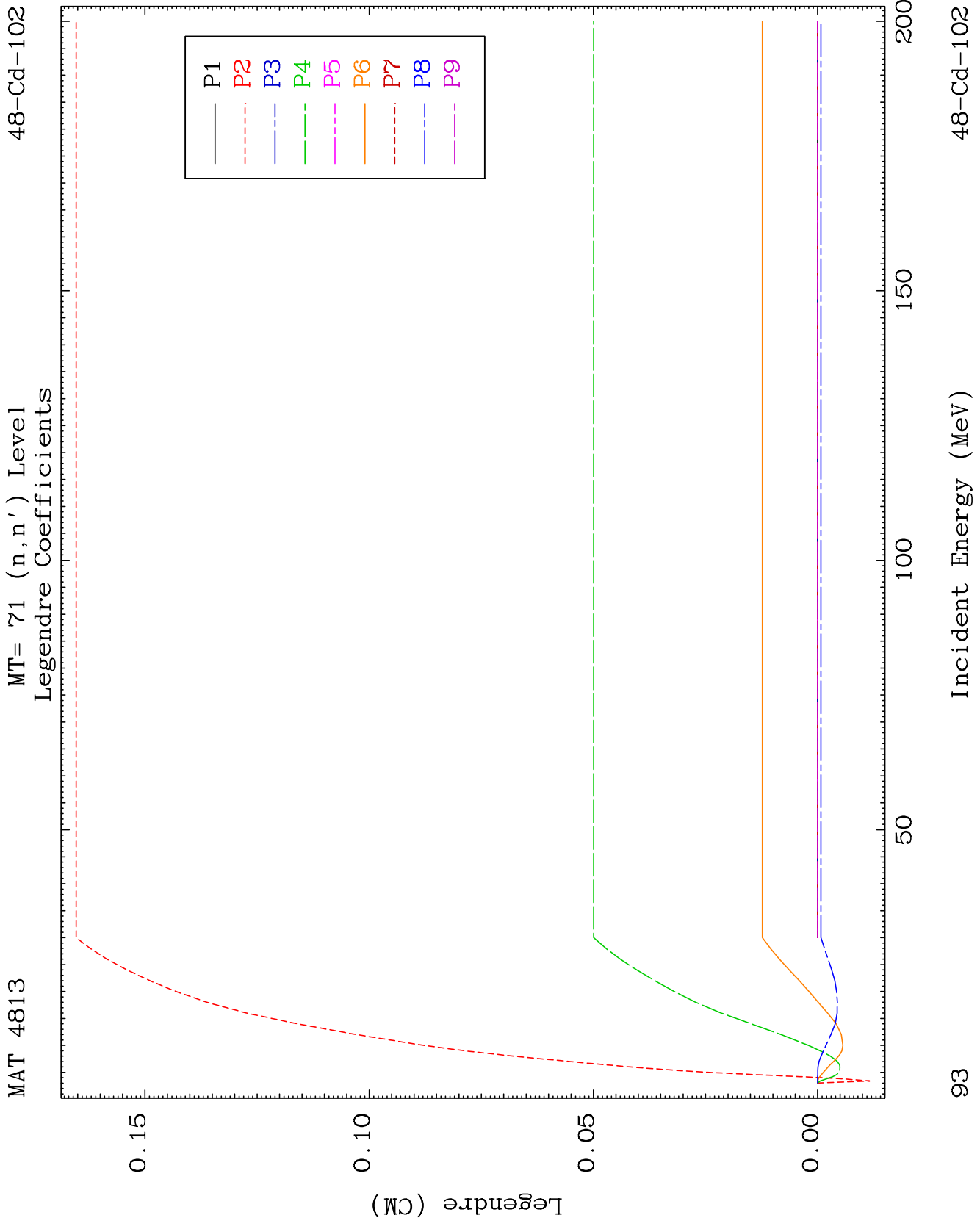
90

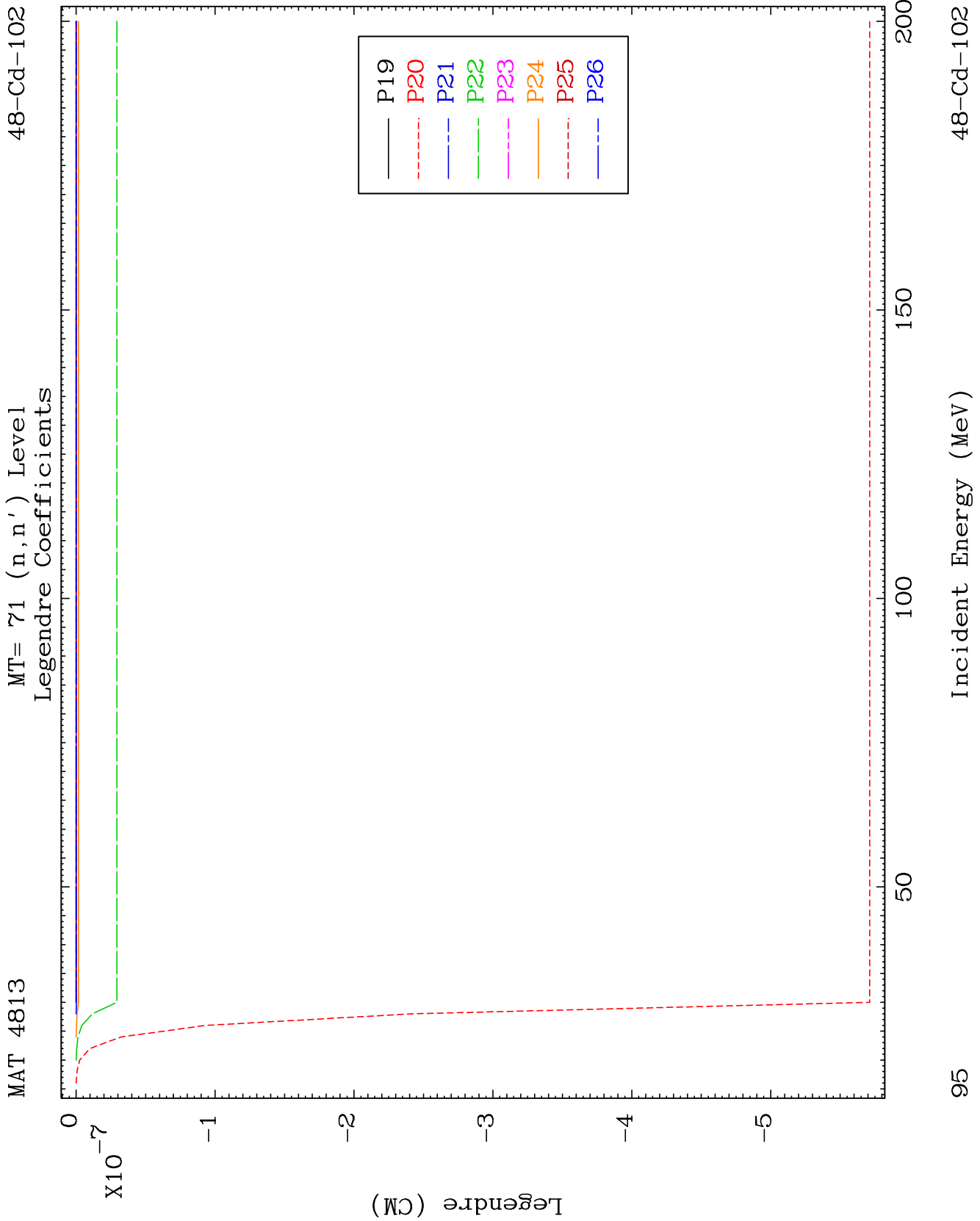
Incident Energy (MeV)

48-Cd-102





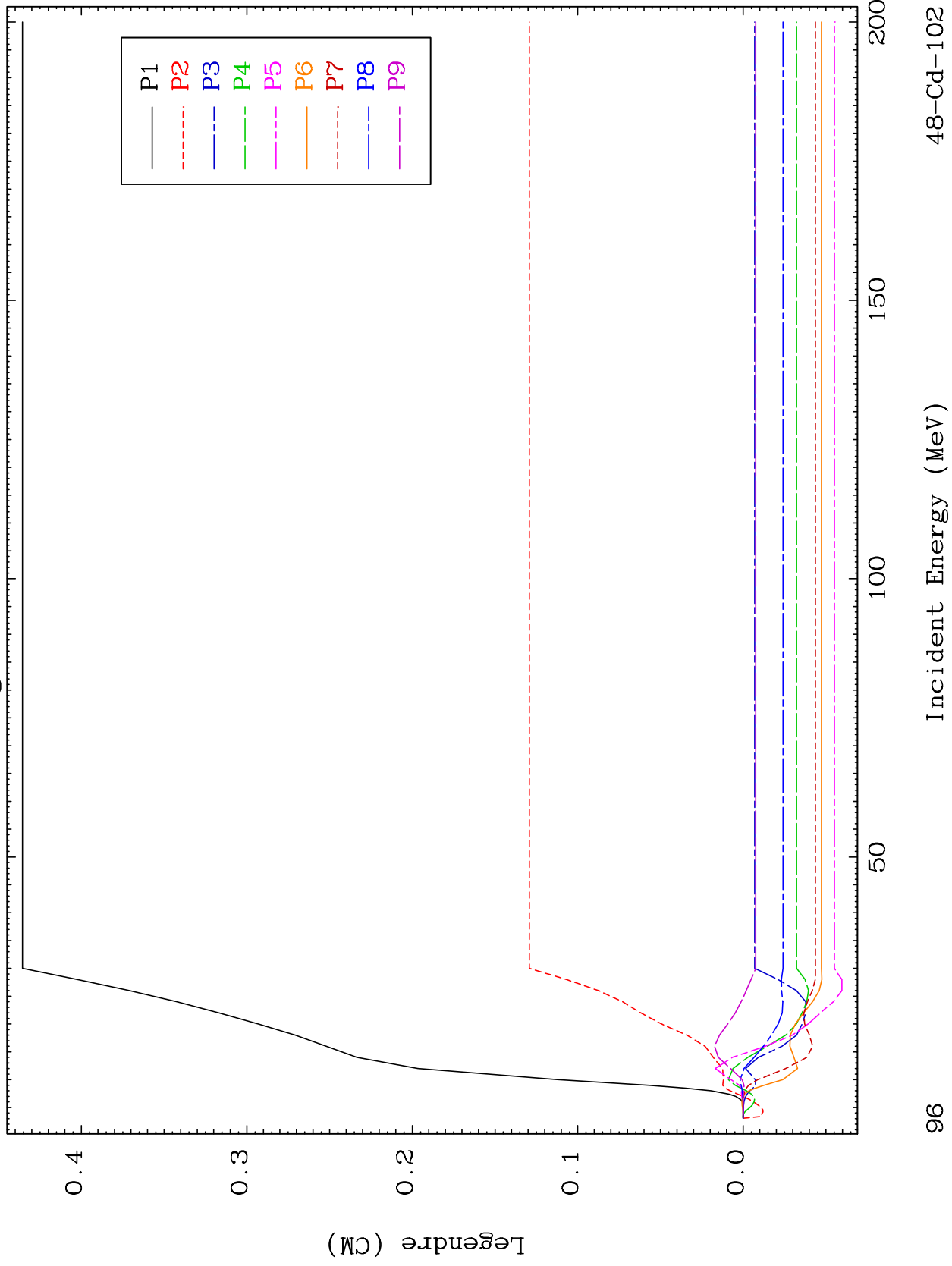




MAT 4813

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

48-Cd-102



96

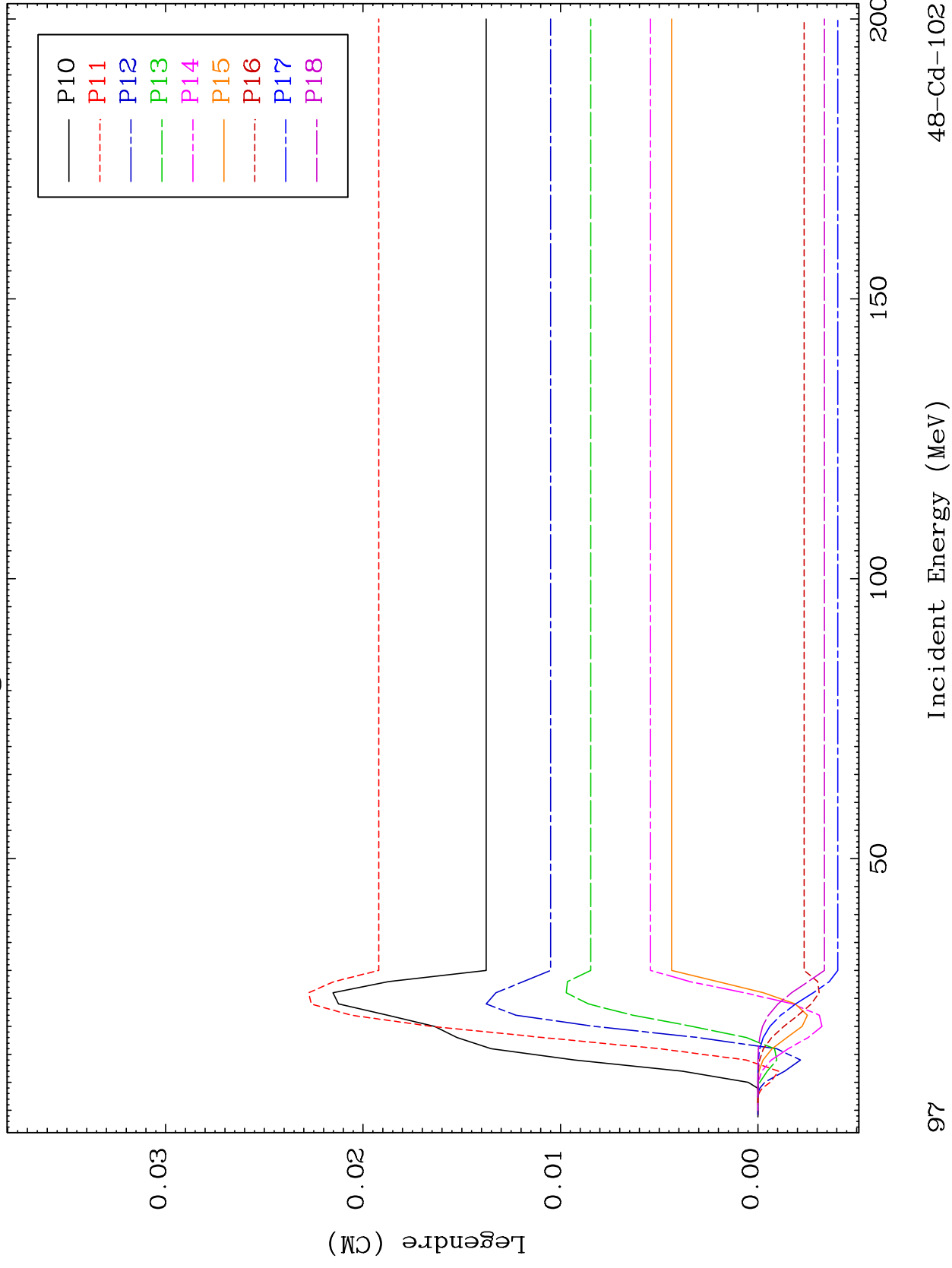
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

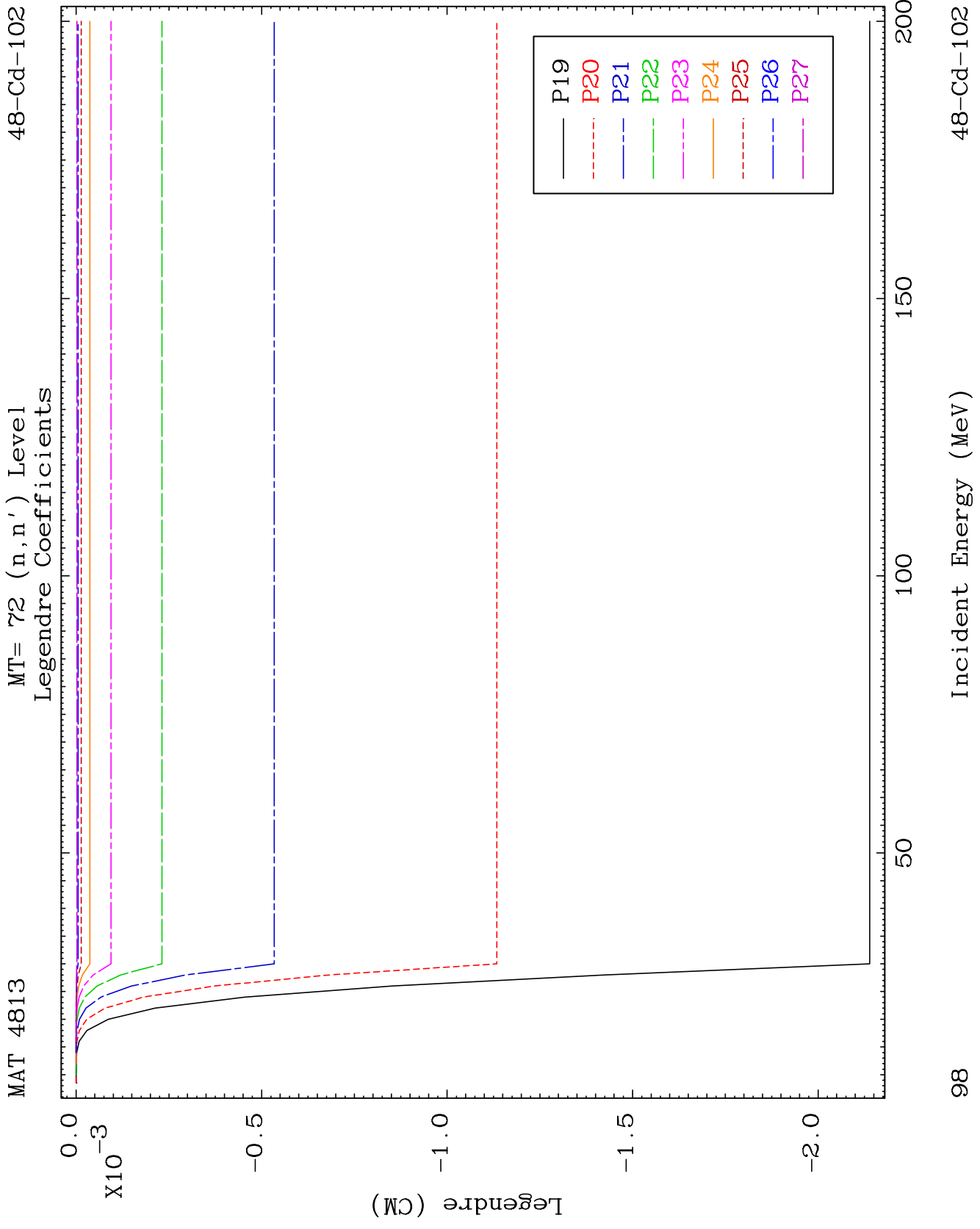
48-Cd-102



97

Incident Energy (MeV)

48-Cd-102

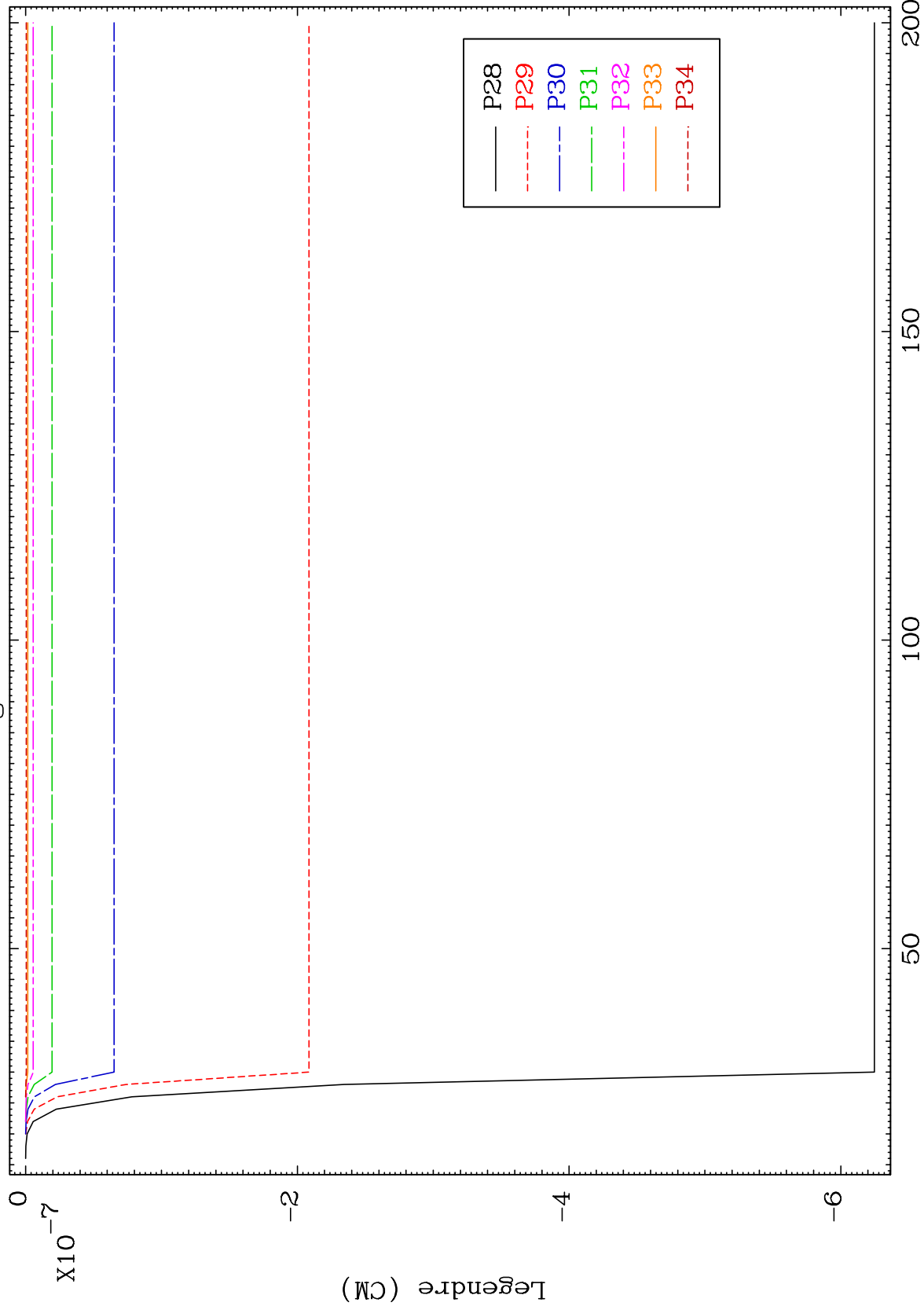


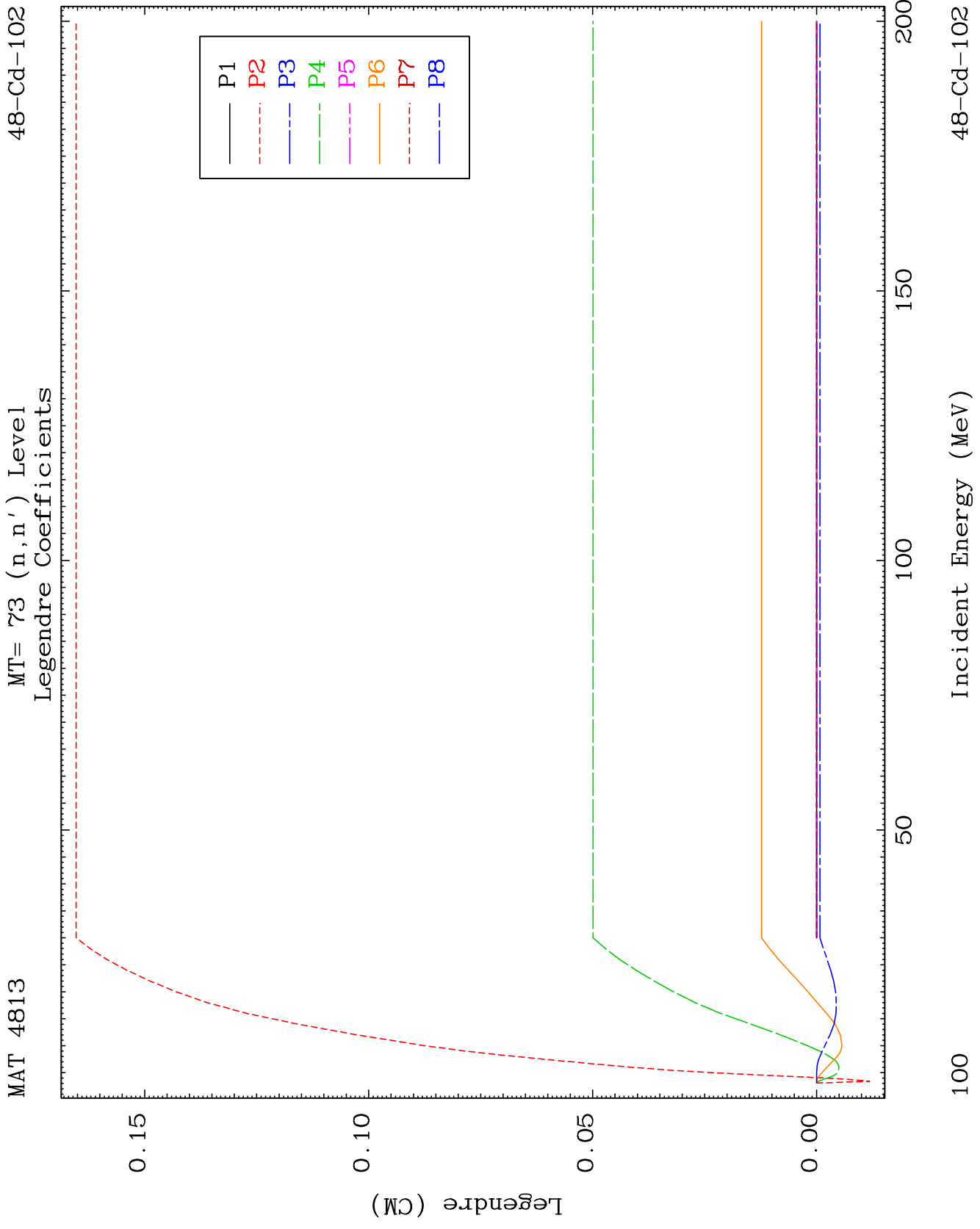
MAT 4813

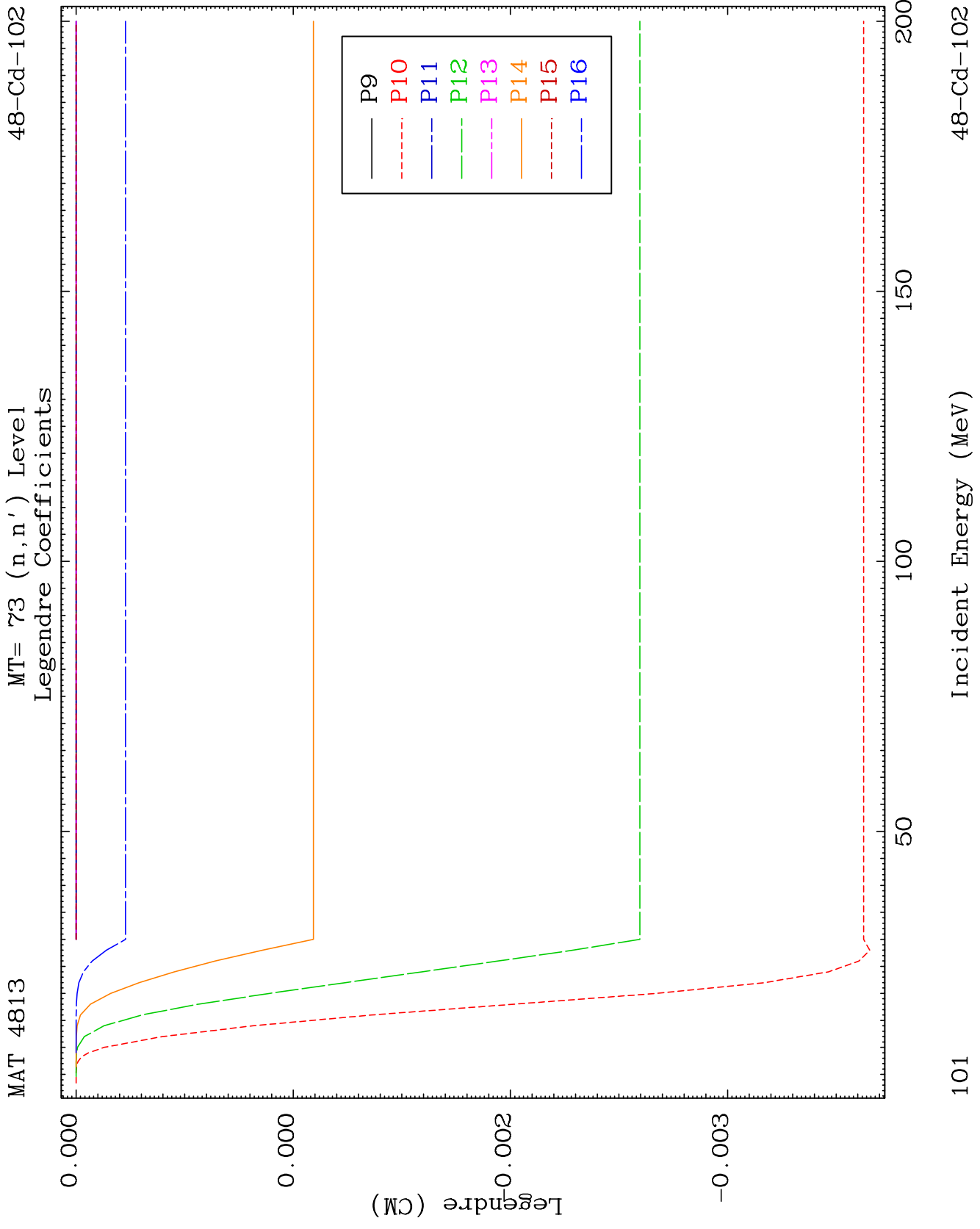
MT= 72 (n,n') Level

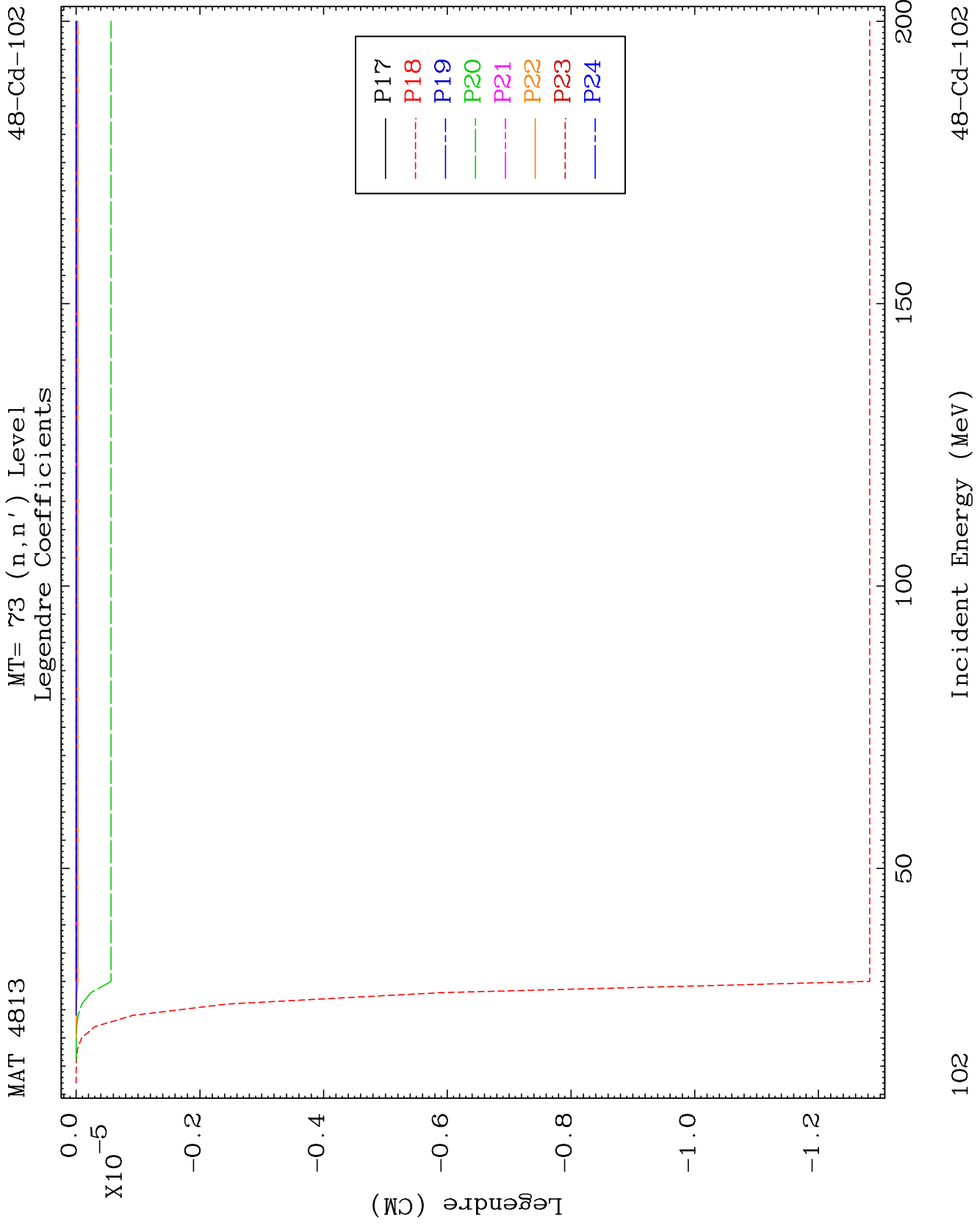
48-Cd-102

Legendre Coefficients





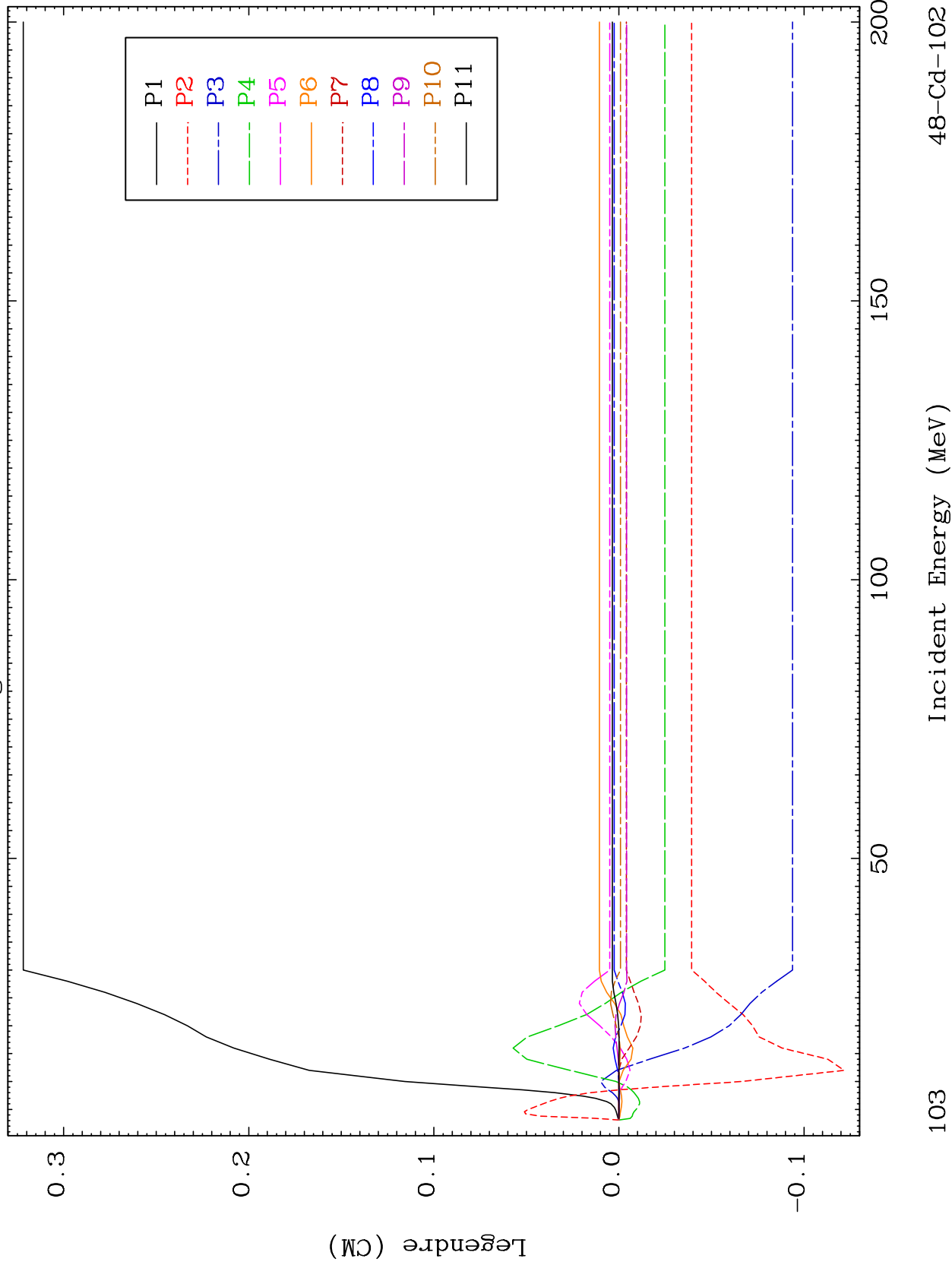




MAT 4813

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

48-Cd-102



103

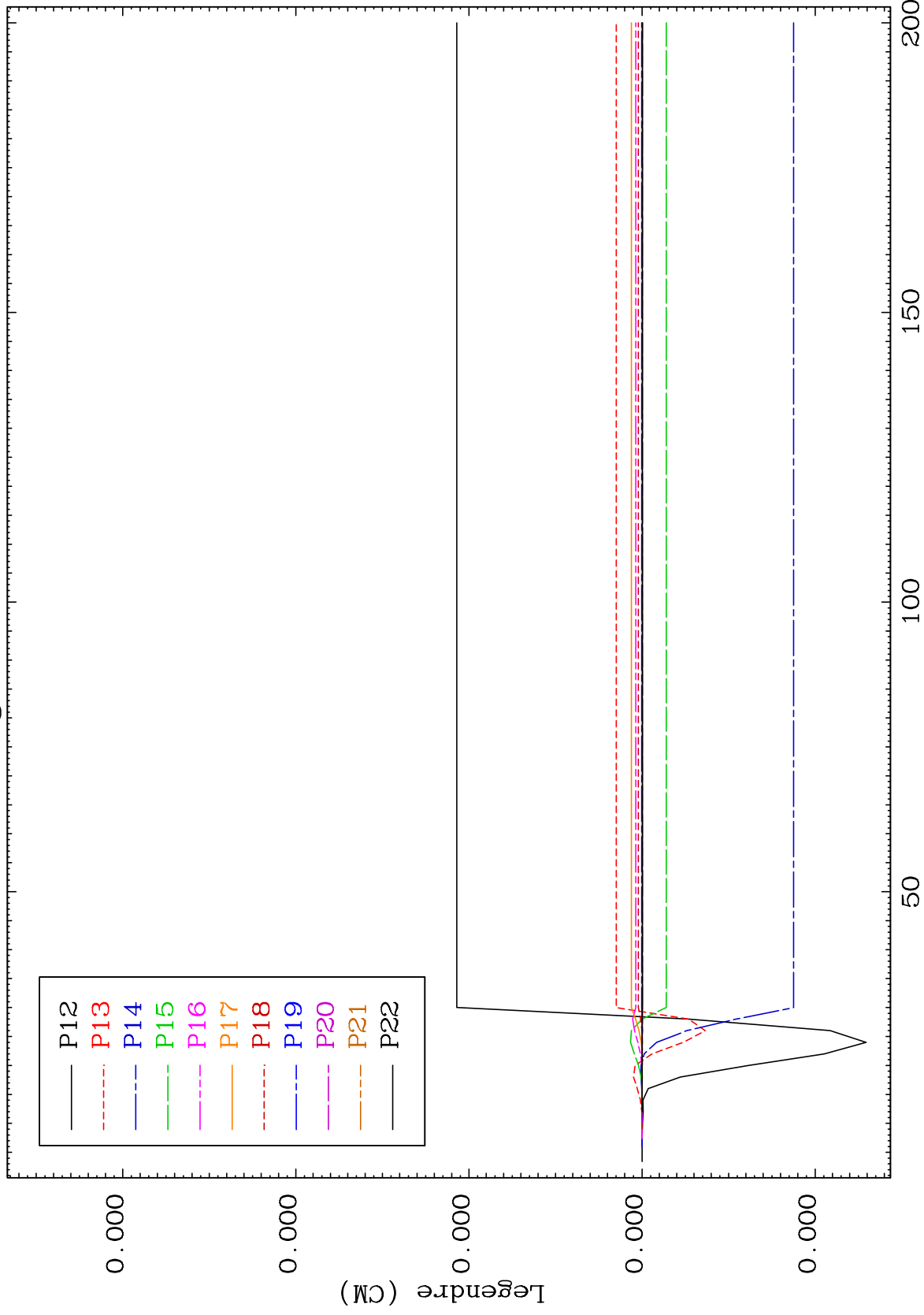
Incident Energy (MeV)

48-Cd-102

MAT 4813

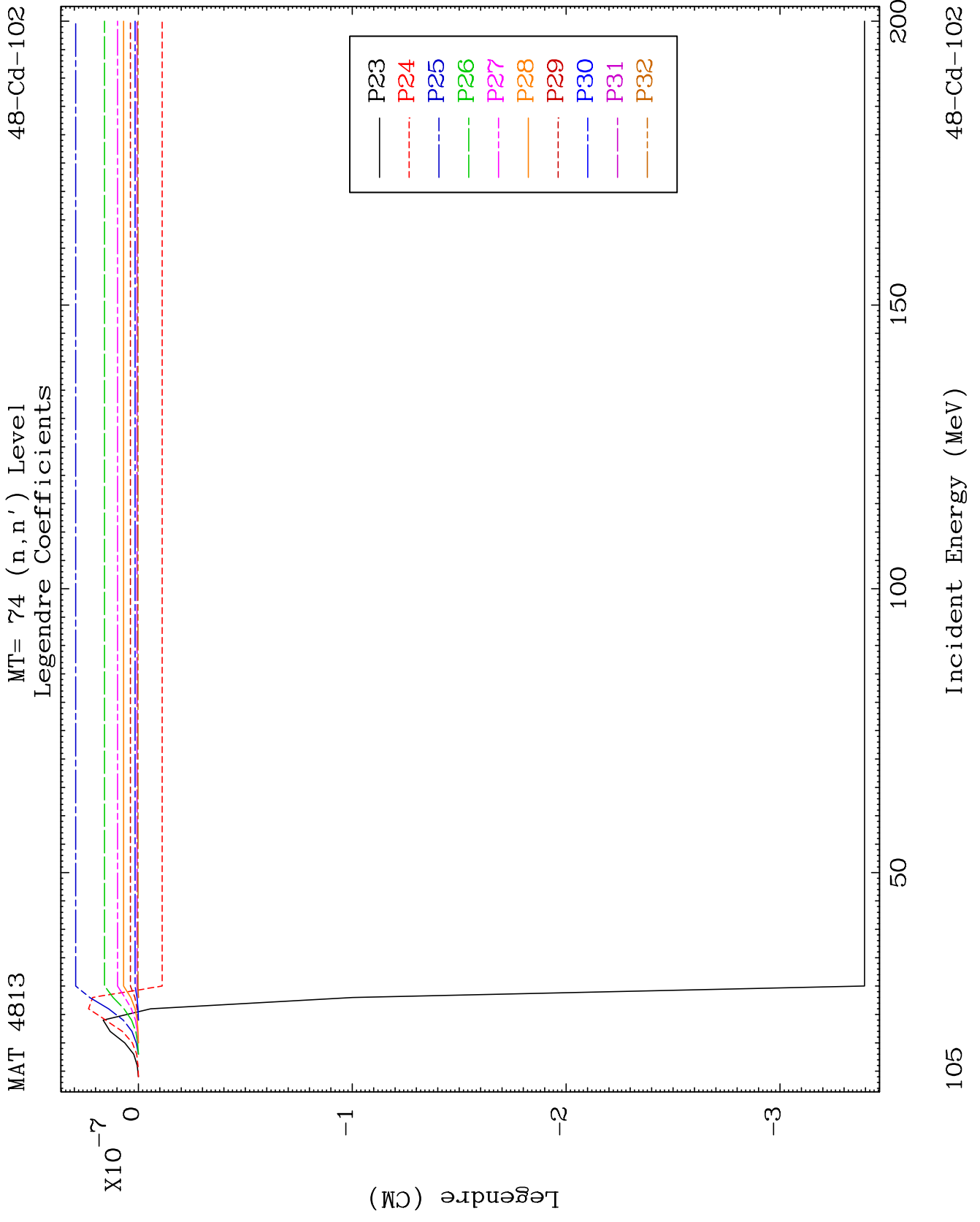
MT= 74 (n,n') Level
Legendre Coefficients

48-Cd-102



104

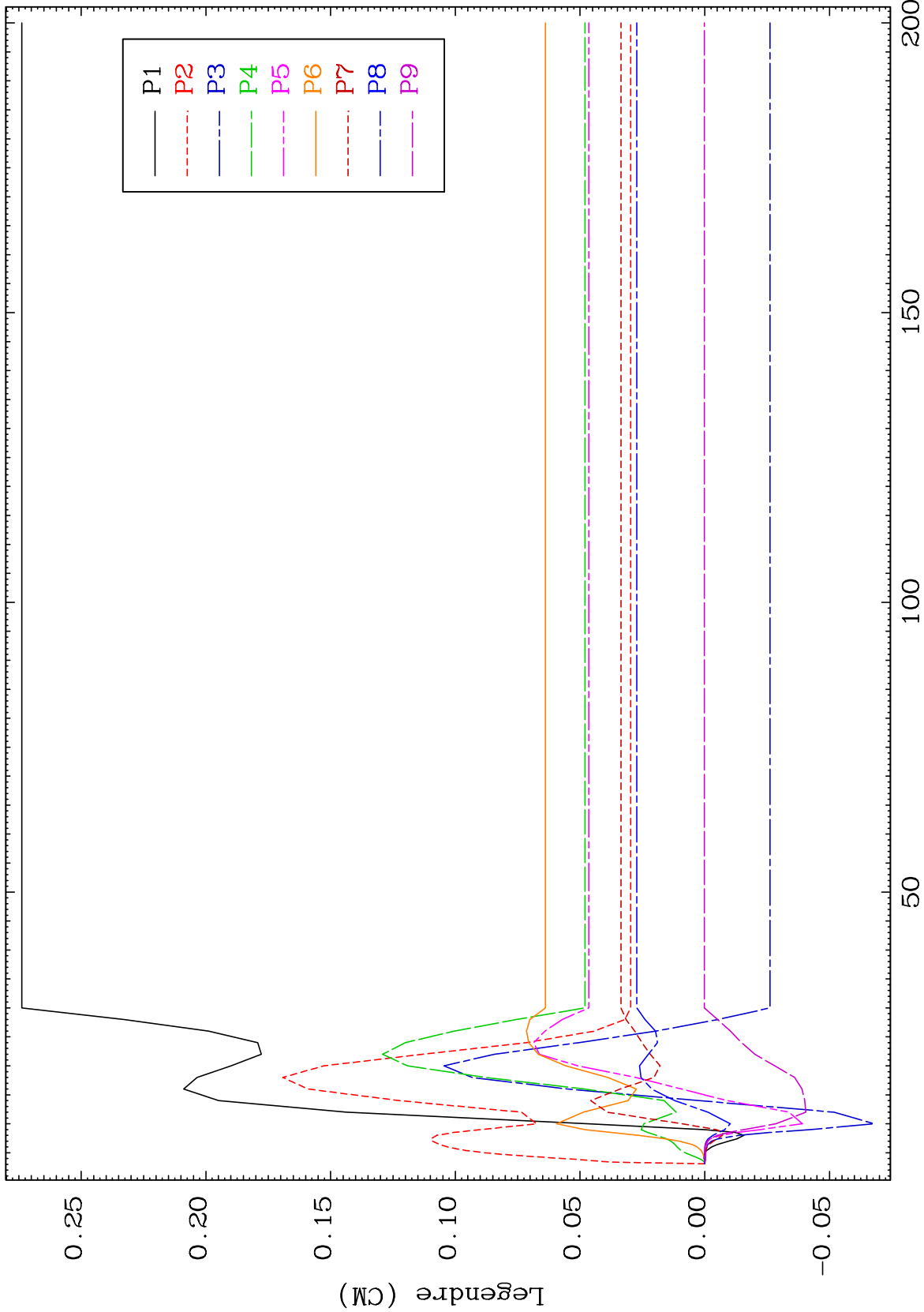
48-Cd-102



MAT 4813

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

48-Cd-102



106

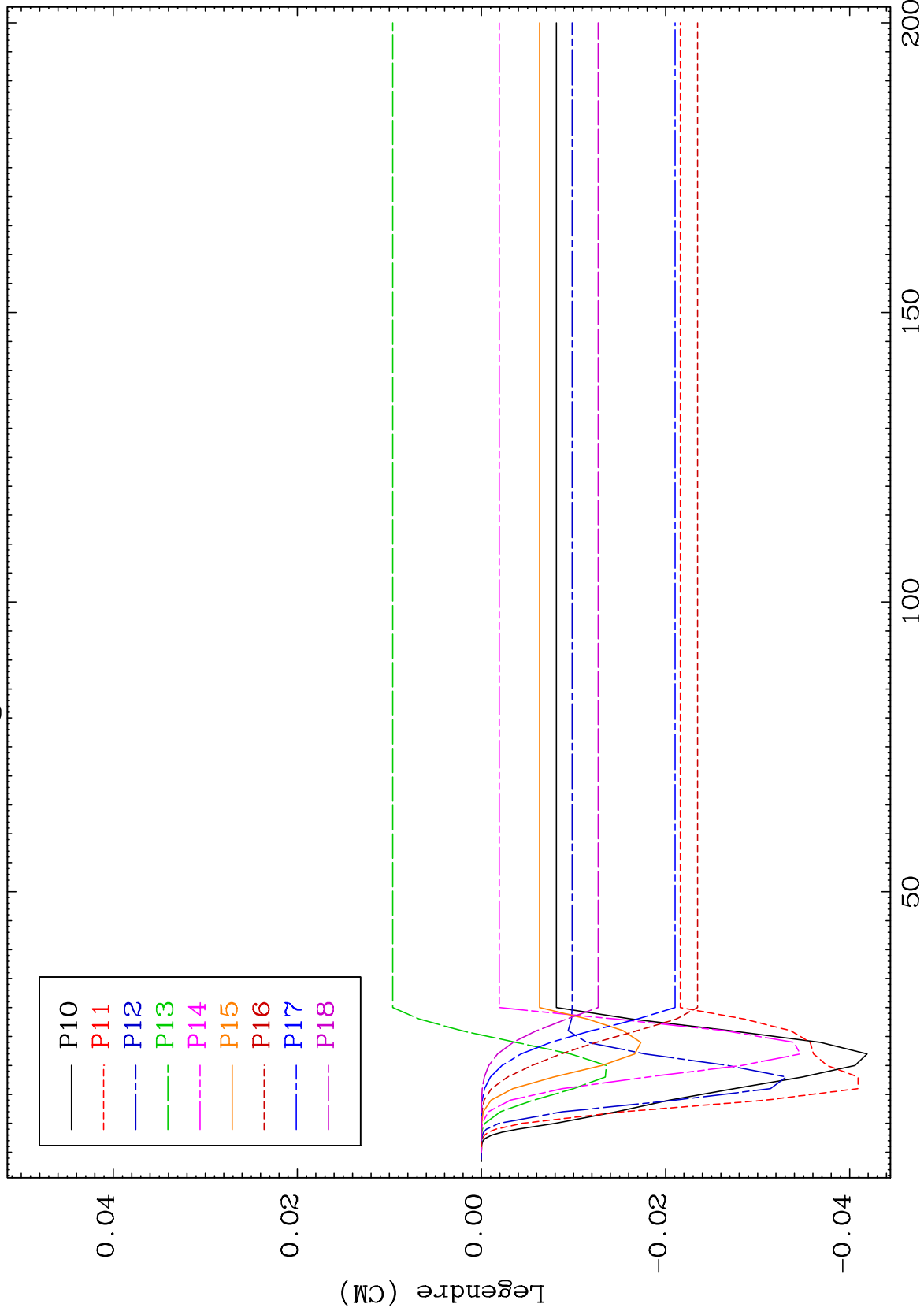
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

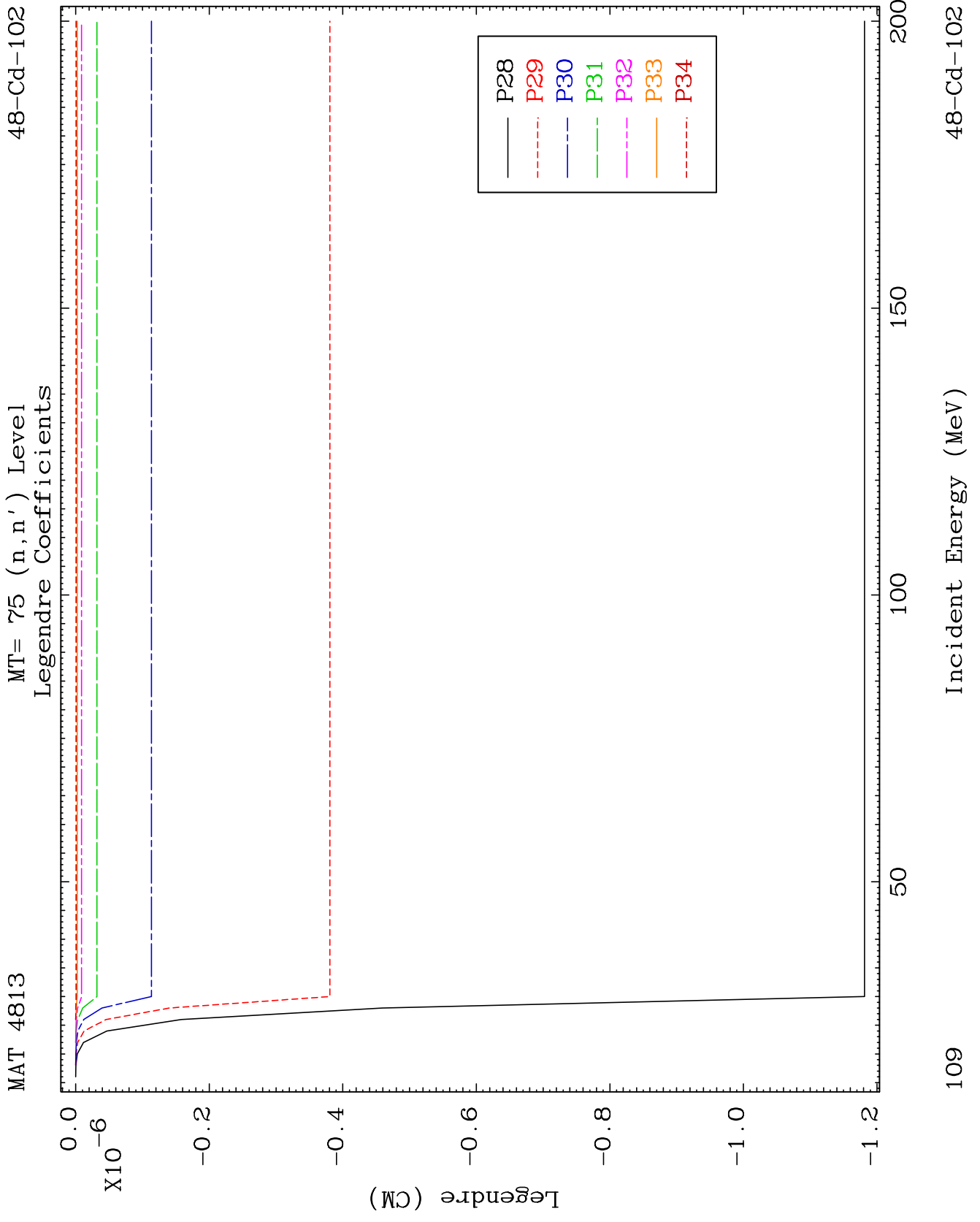
48-Cd-102



107

Incident Energy (MeV)

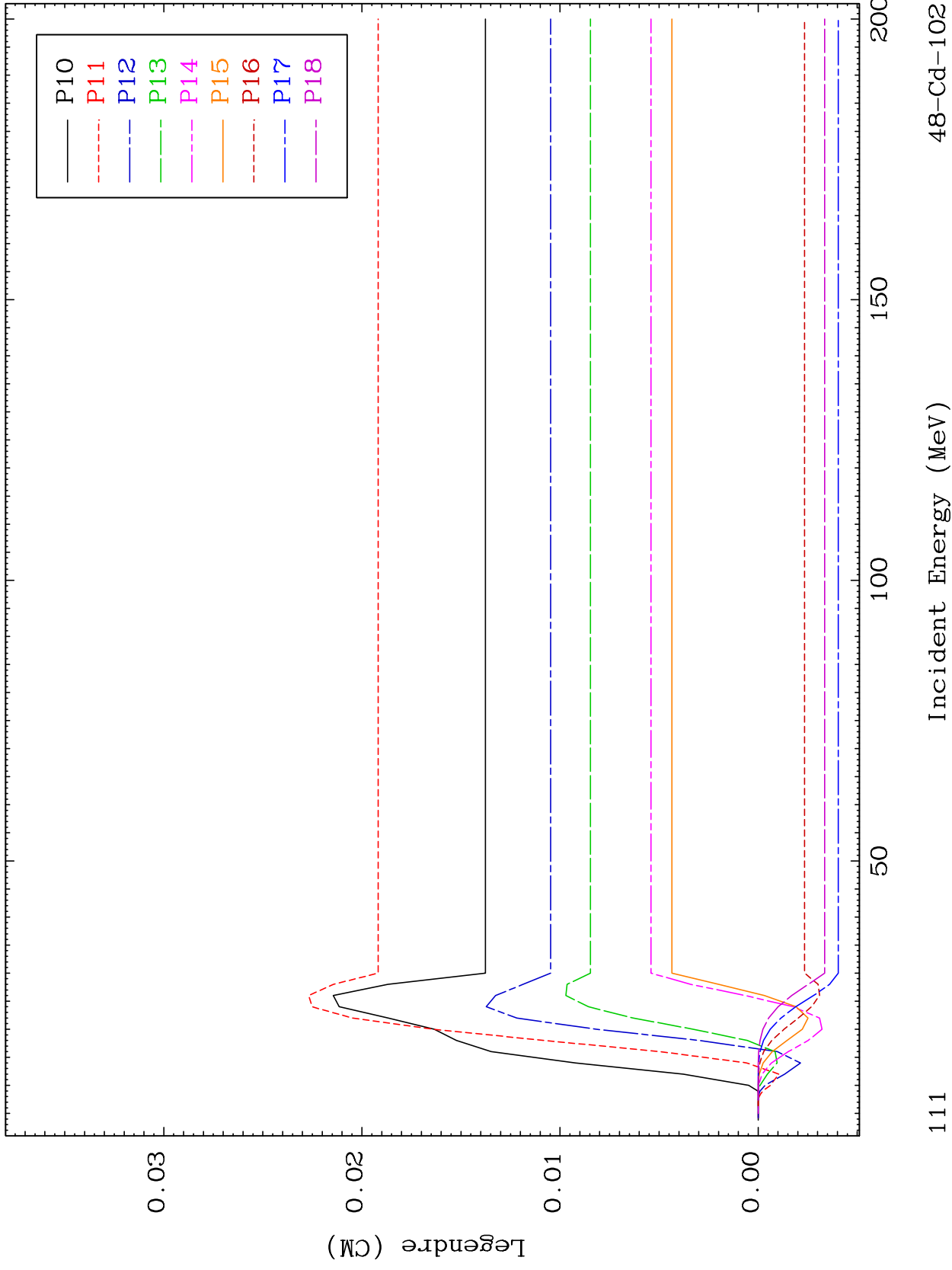
48-Cd-102



MAT 4813

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

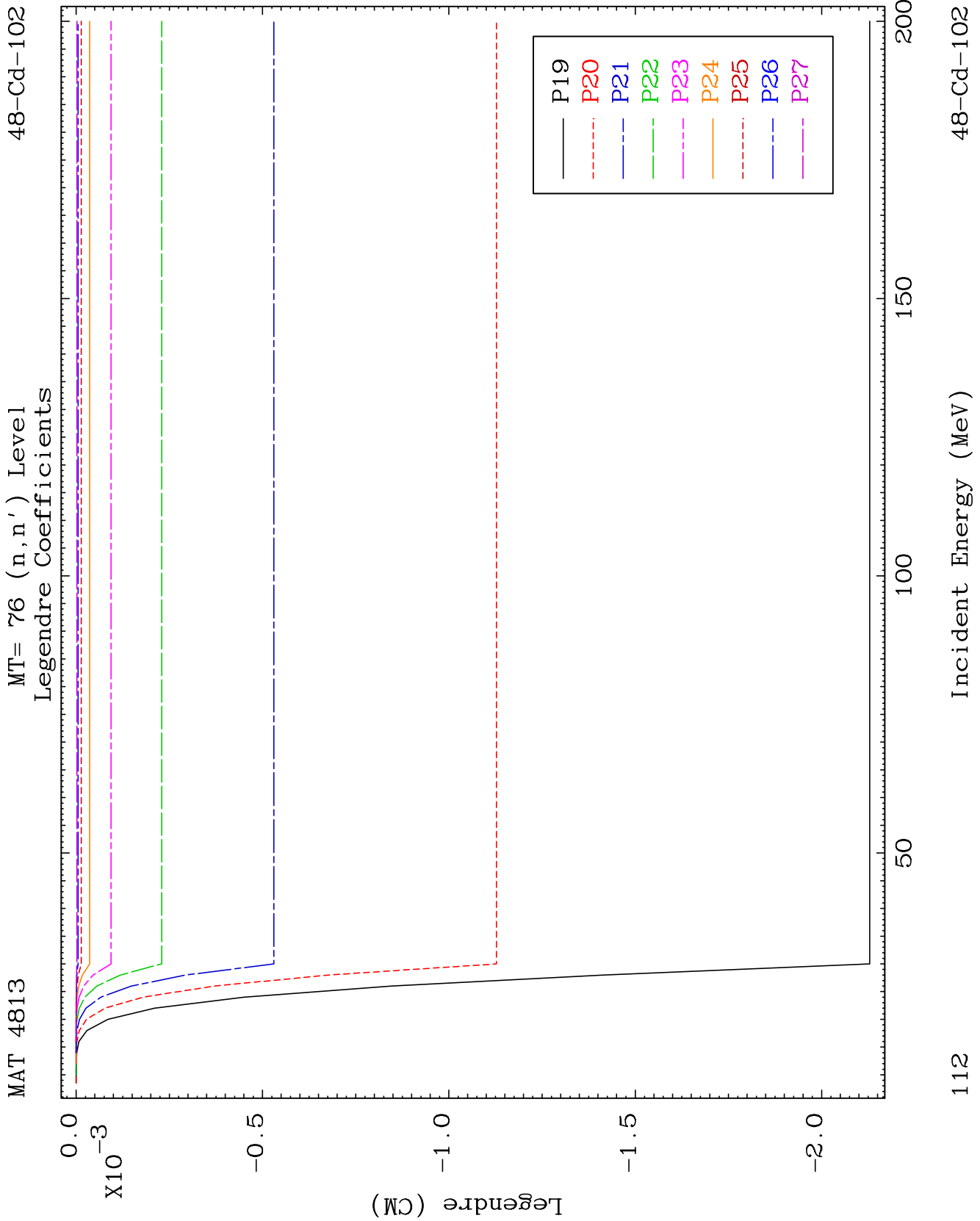
48-Cd-102



111

Incident Energy (MeV)

48-Cd-102

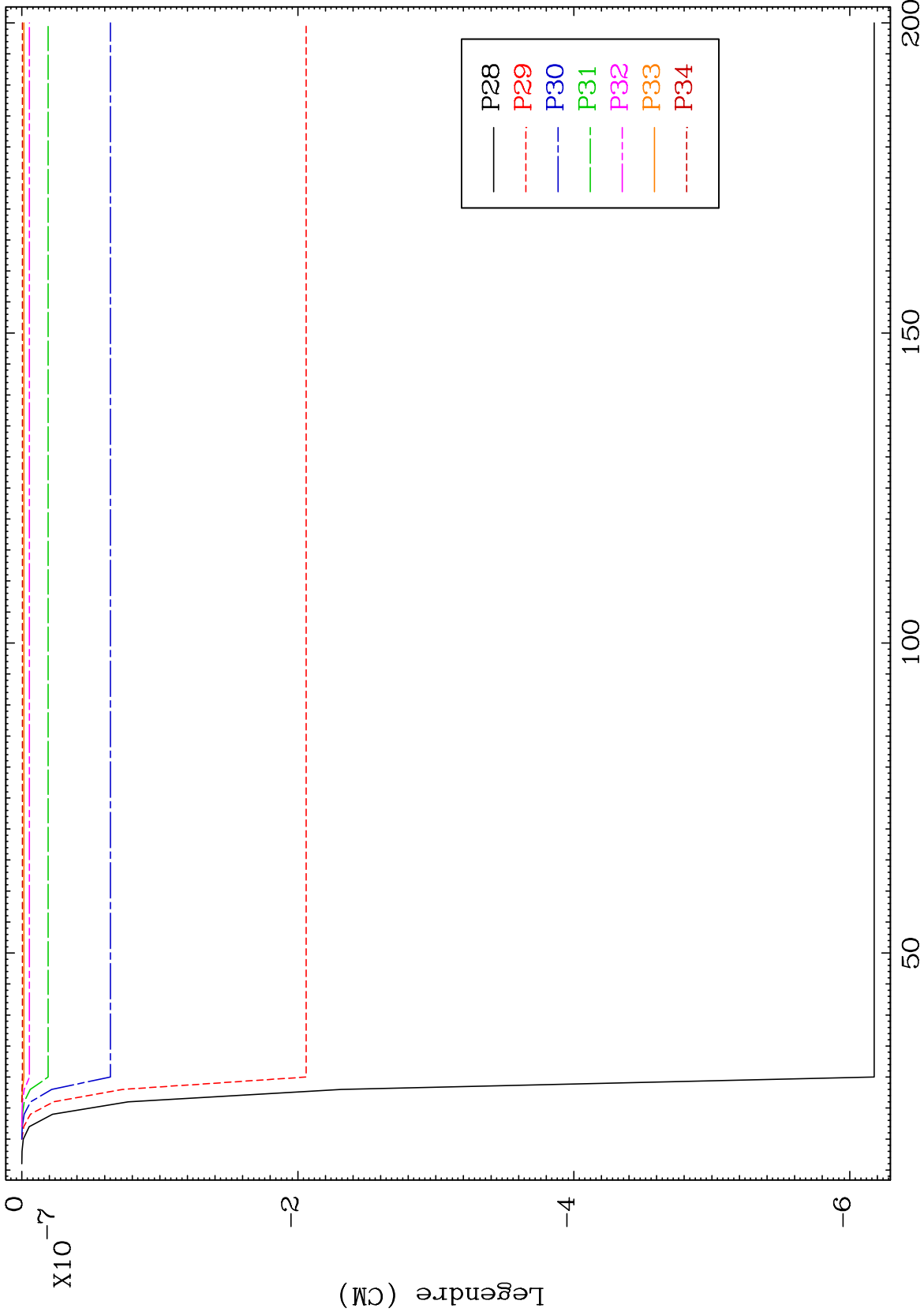


MAT 4813

MT= 76 (n,n') Level

48-Cd-102

Legendre Coefficients



113

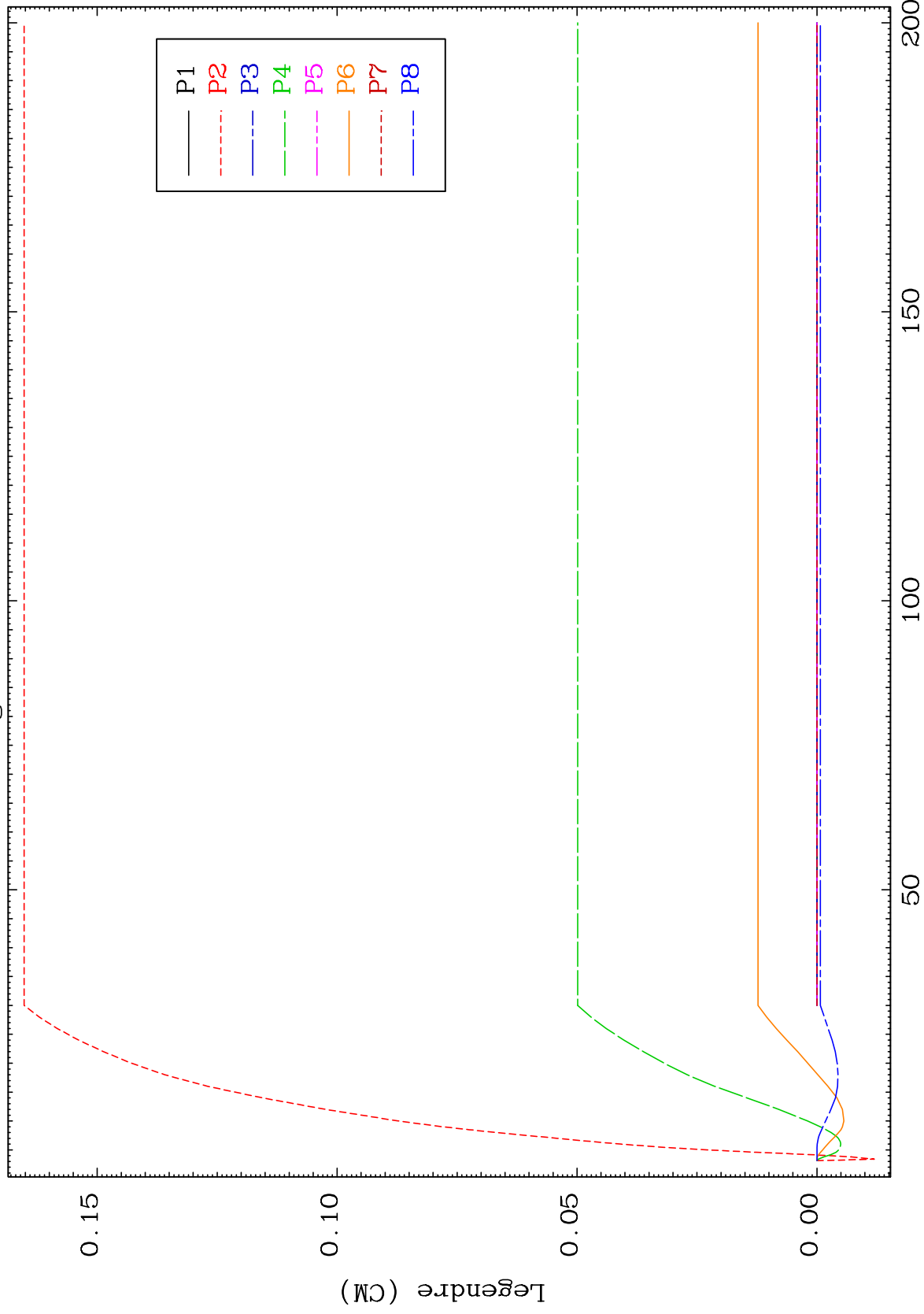
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

48-Cd-102



114

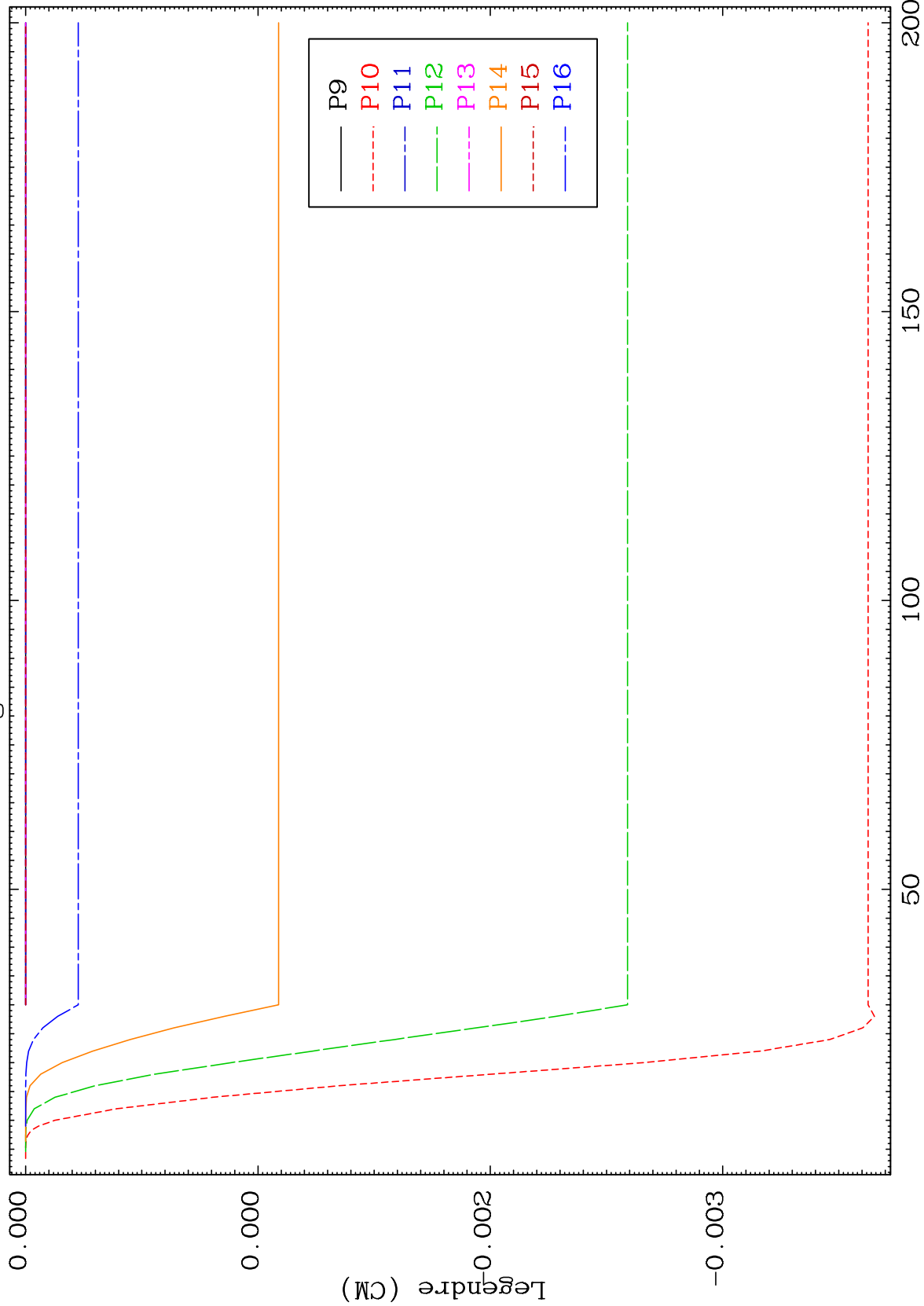
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

48-Cd-102



115

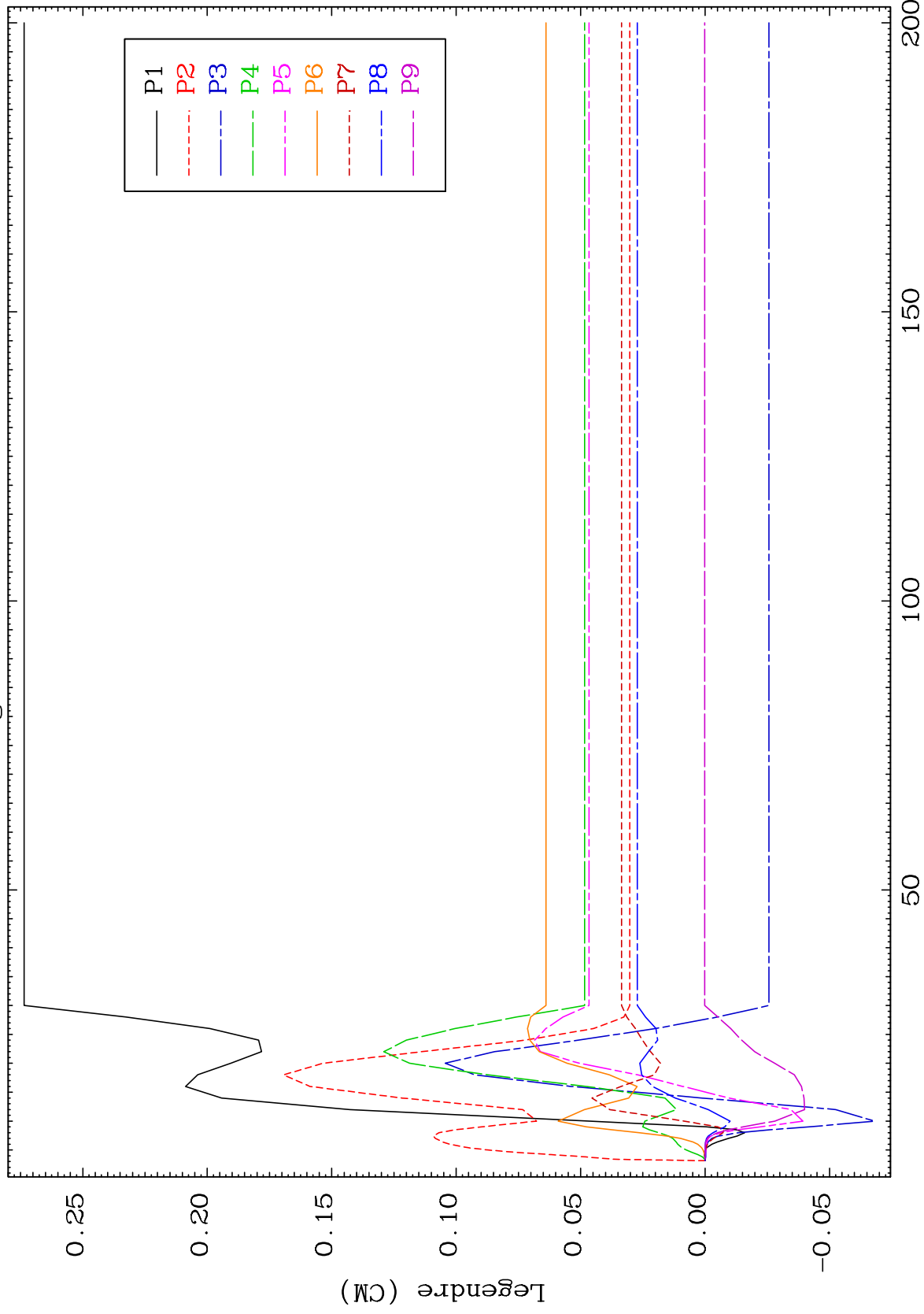
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

48-Cd-102



117

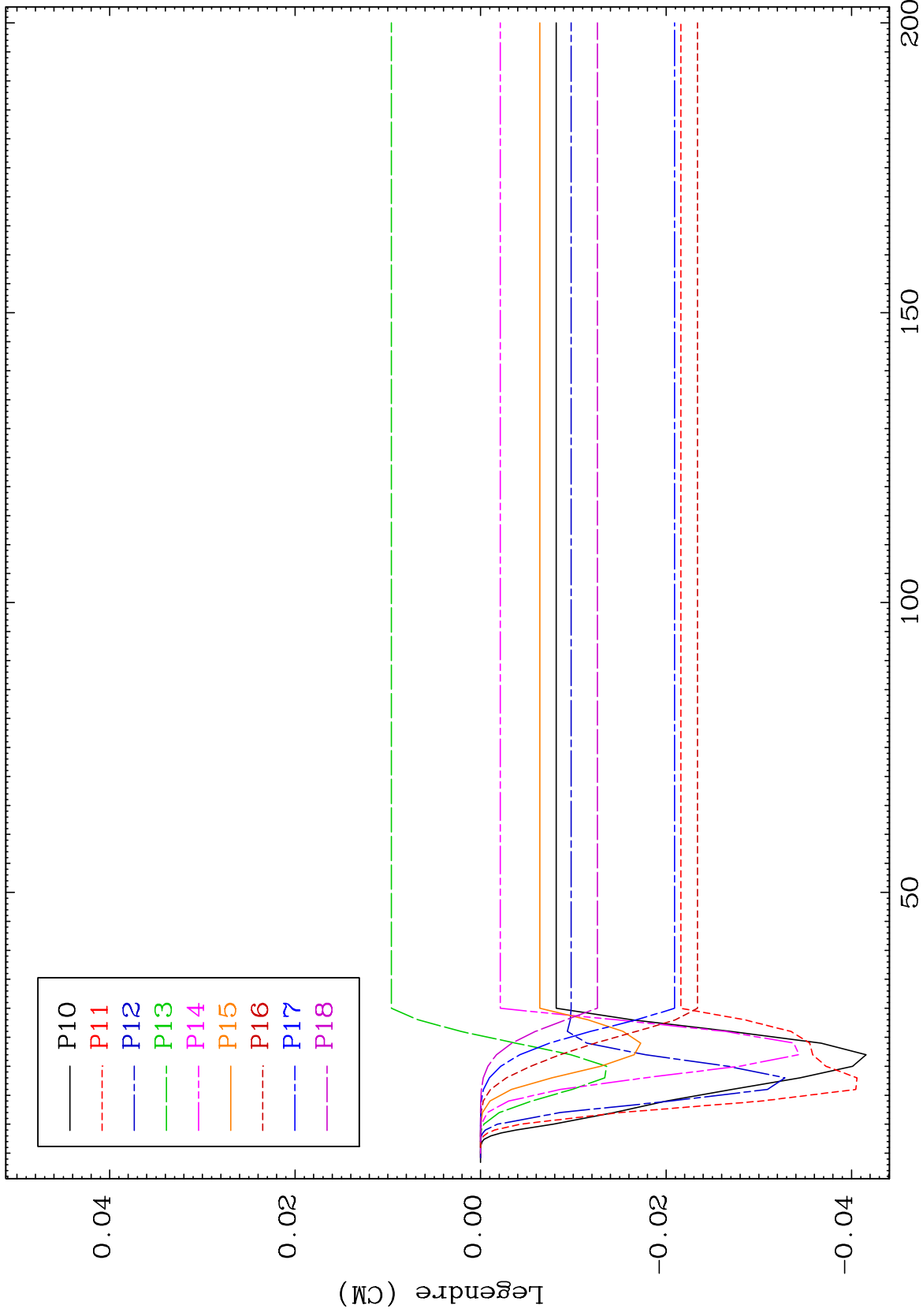
Incident Energy (MeV)

48-Cd-102

MAT 4813

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

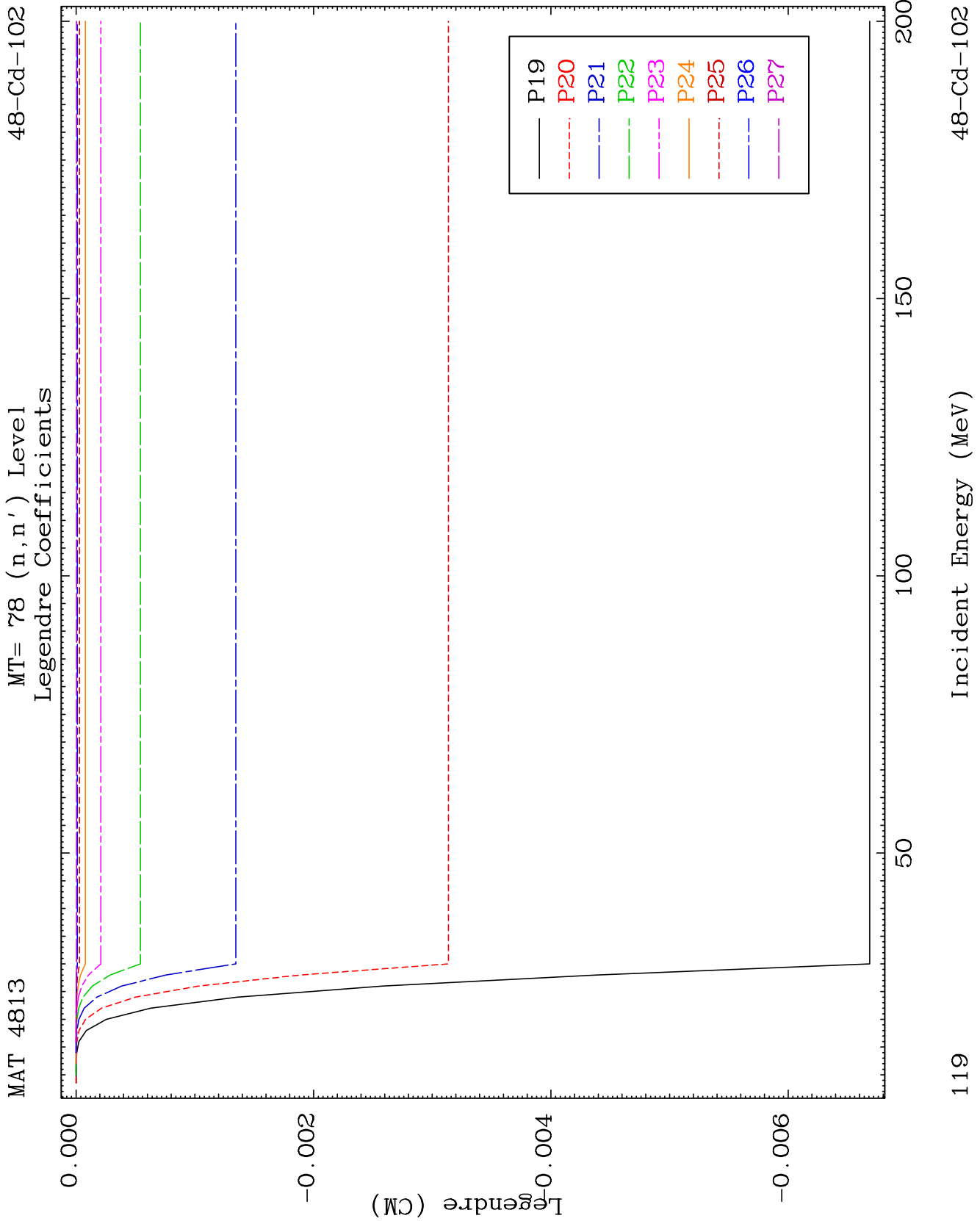
48-Cd-102



118

Incident Energy (MeV)

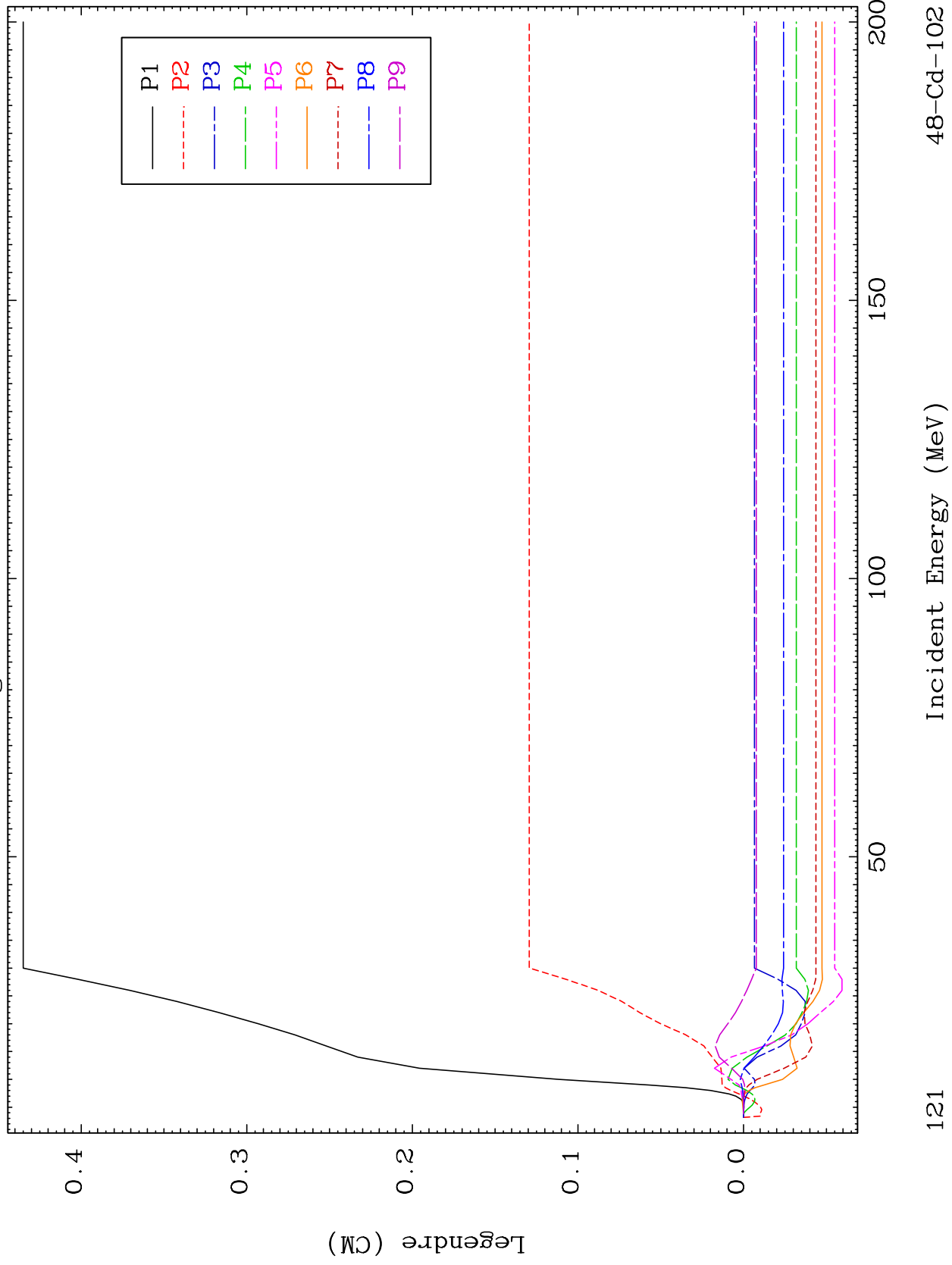
48-Cd-102



MAT 4813

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

48-Cd-102



121

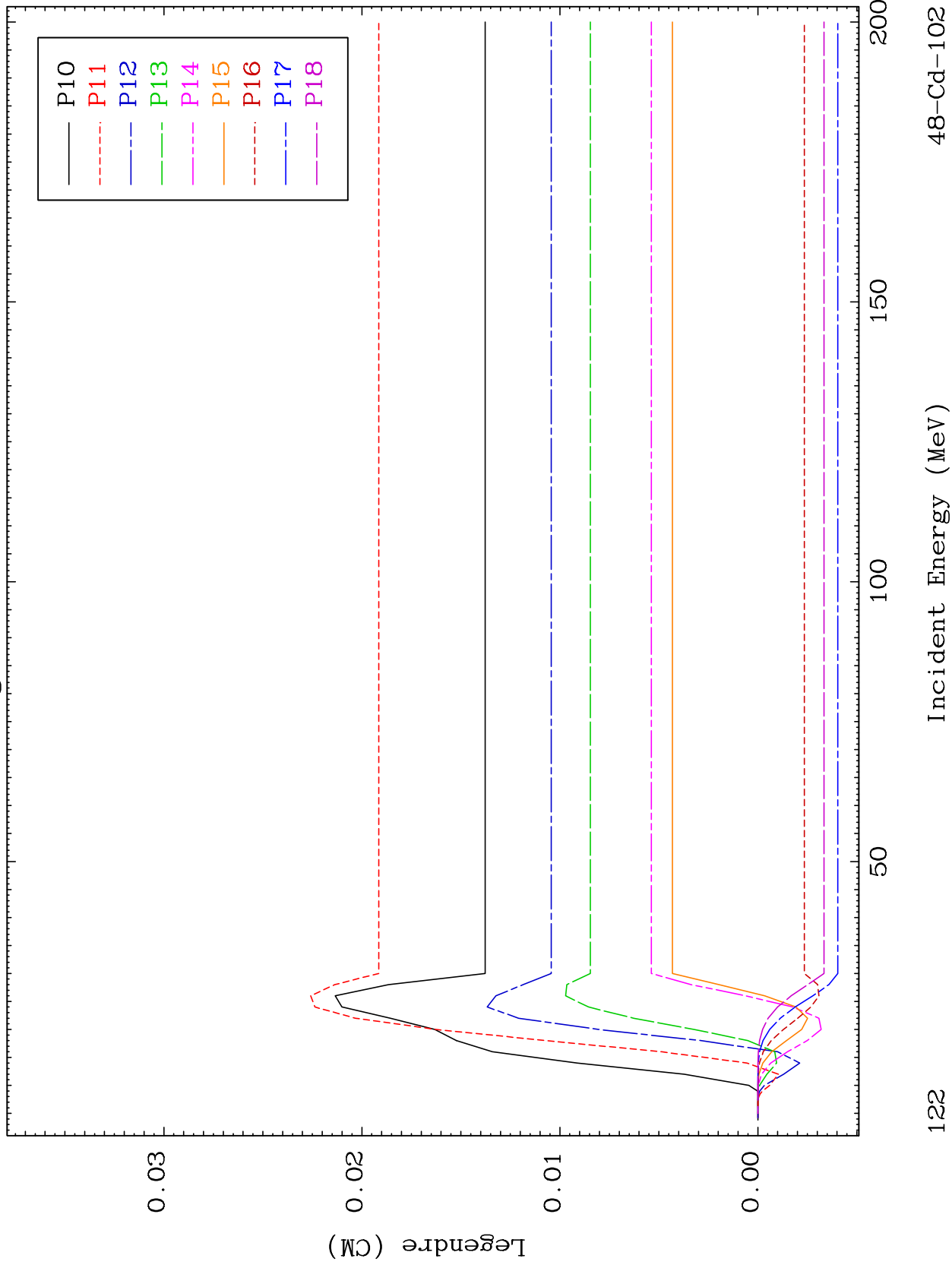
Incident Energy (MeV)

48-Cd-102

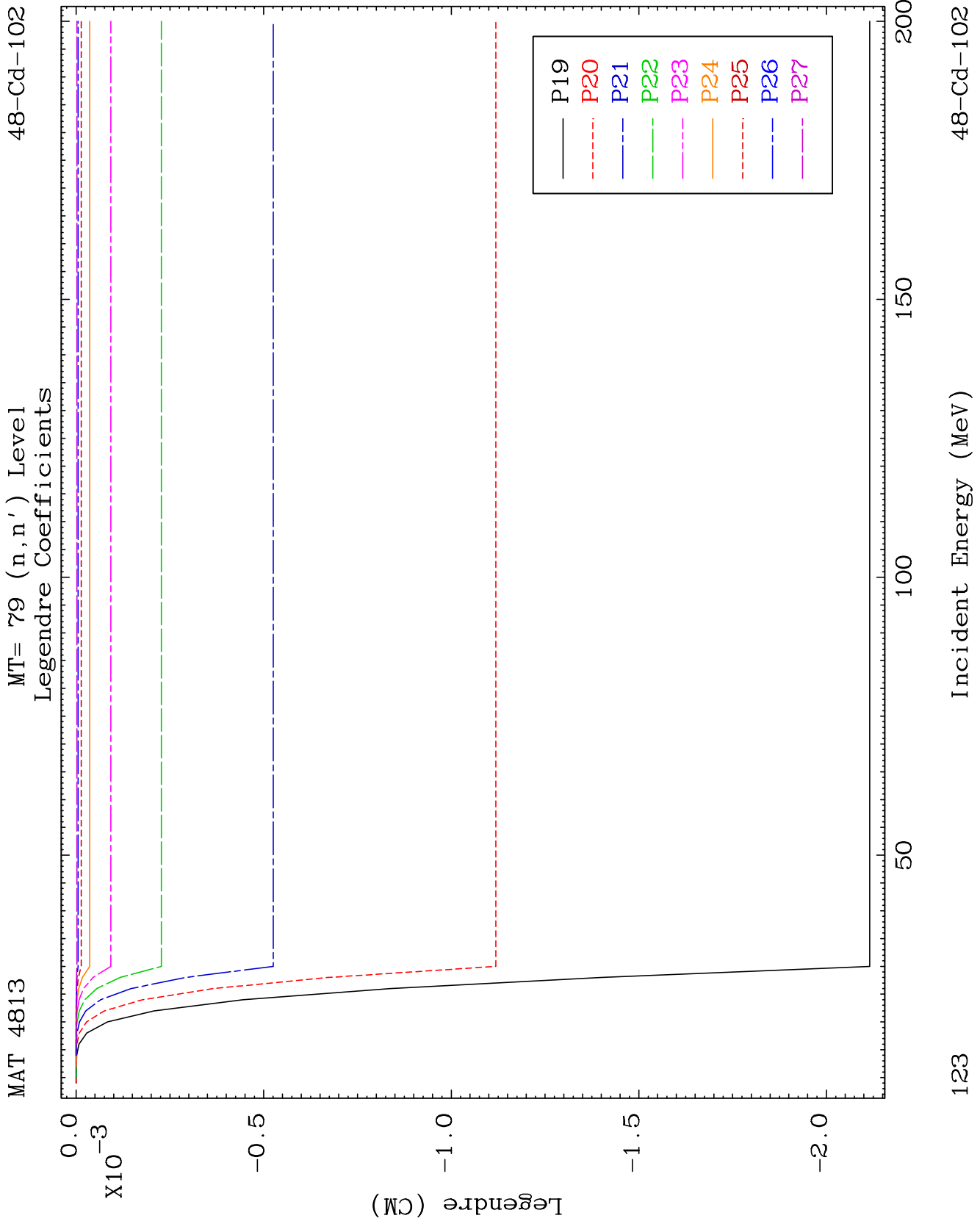
MAT 4813

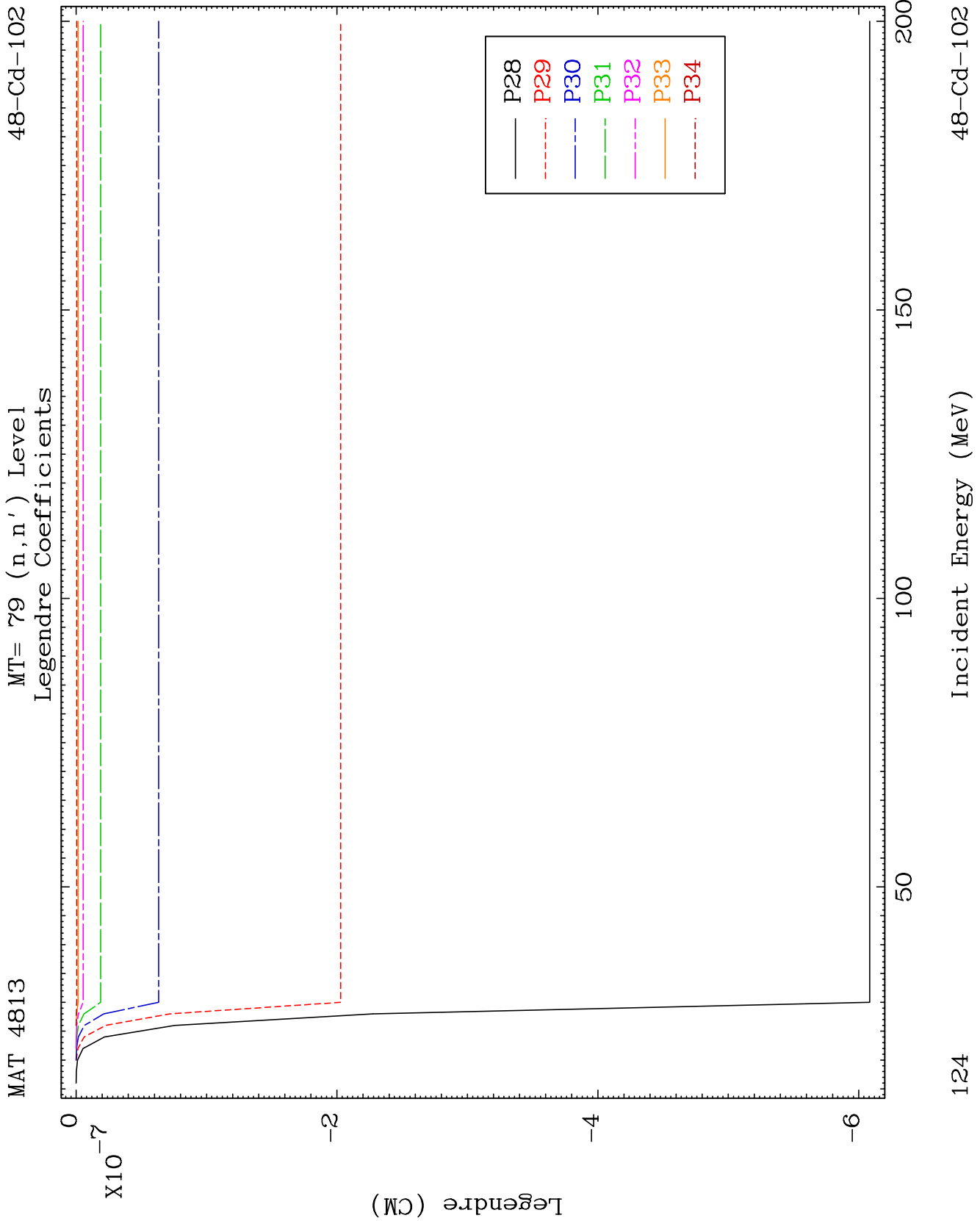
MT= 79 (n,n') Level
Legendre Coefficients

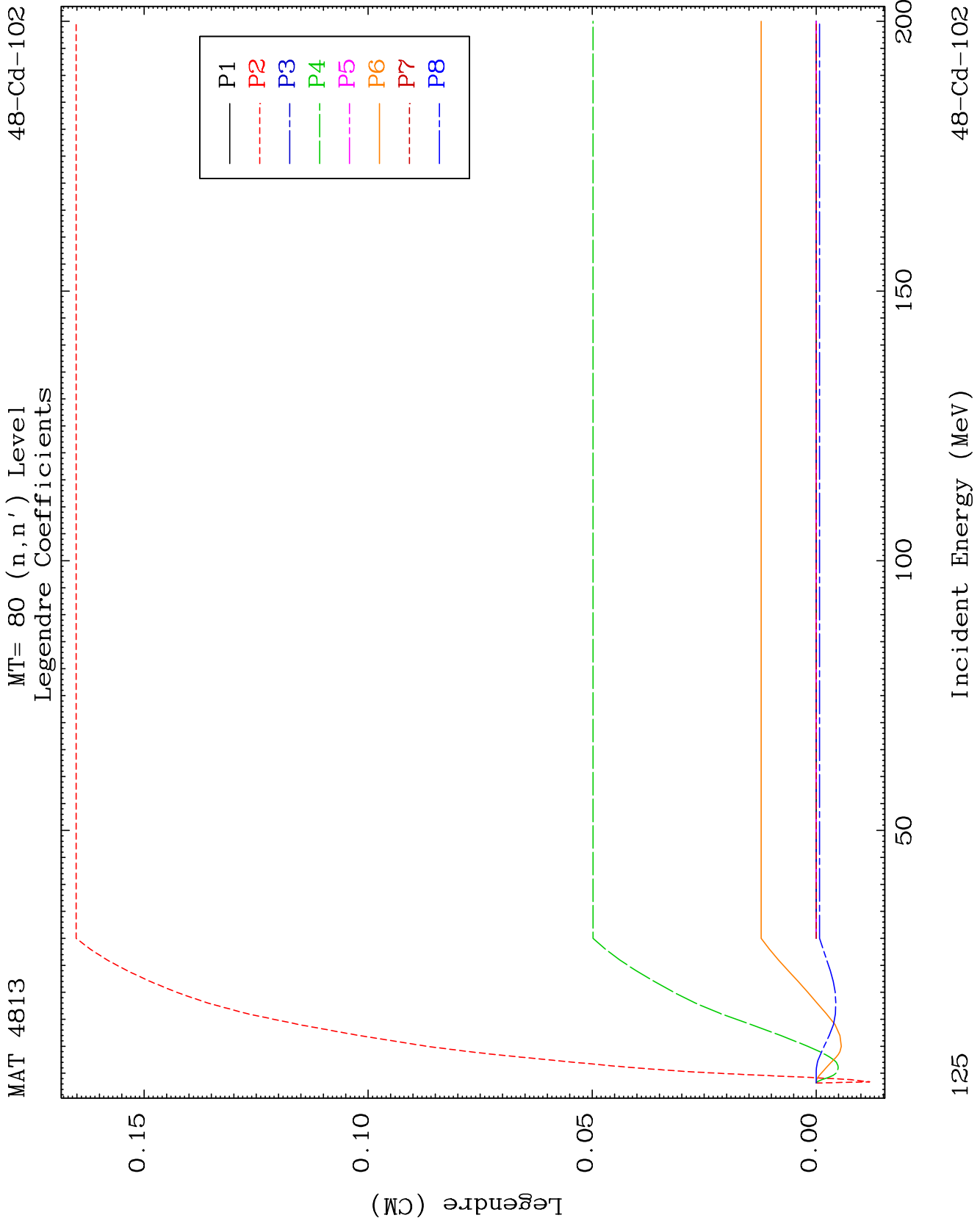
48-Cd-102

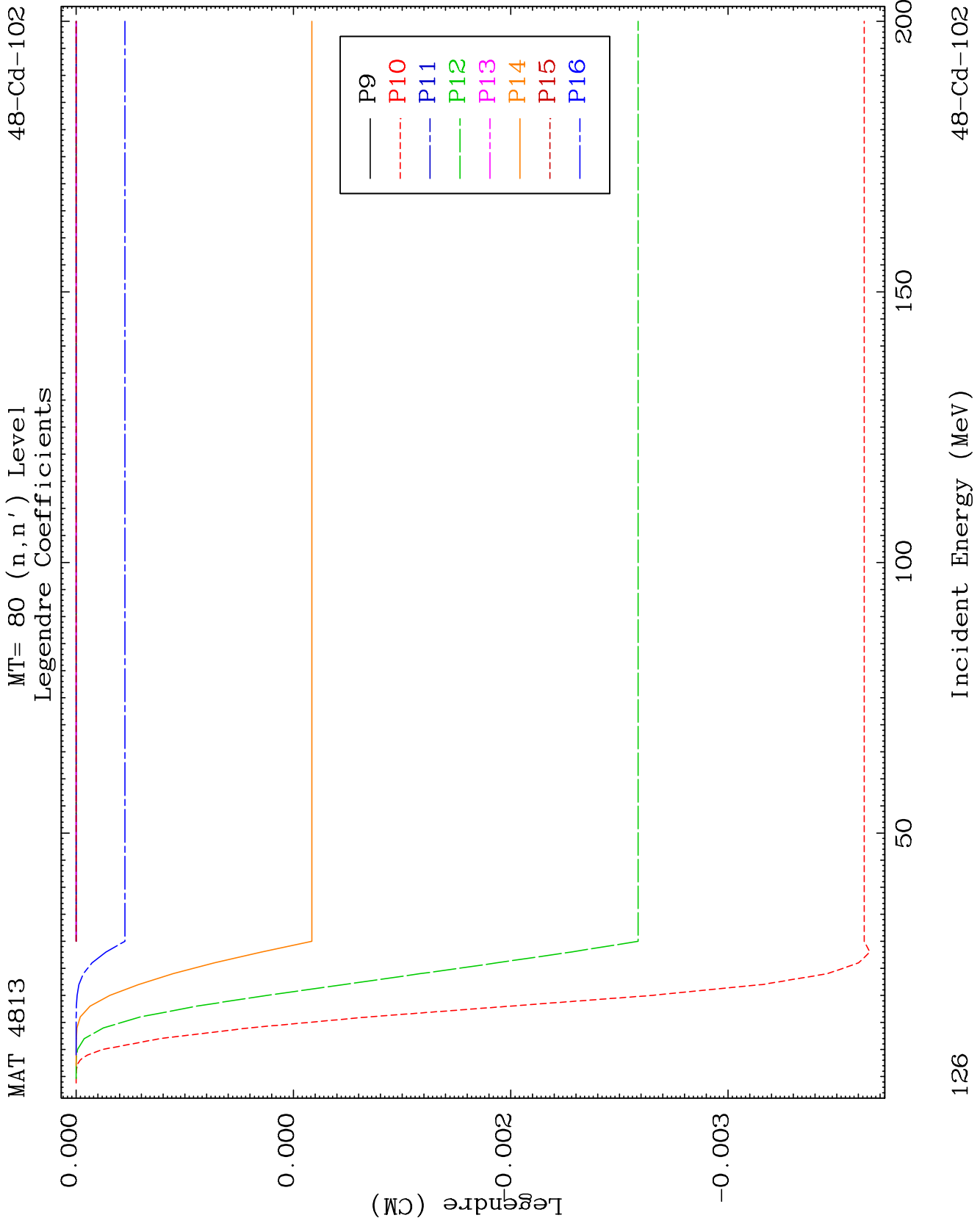


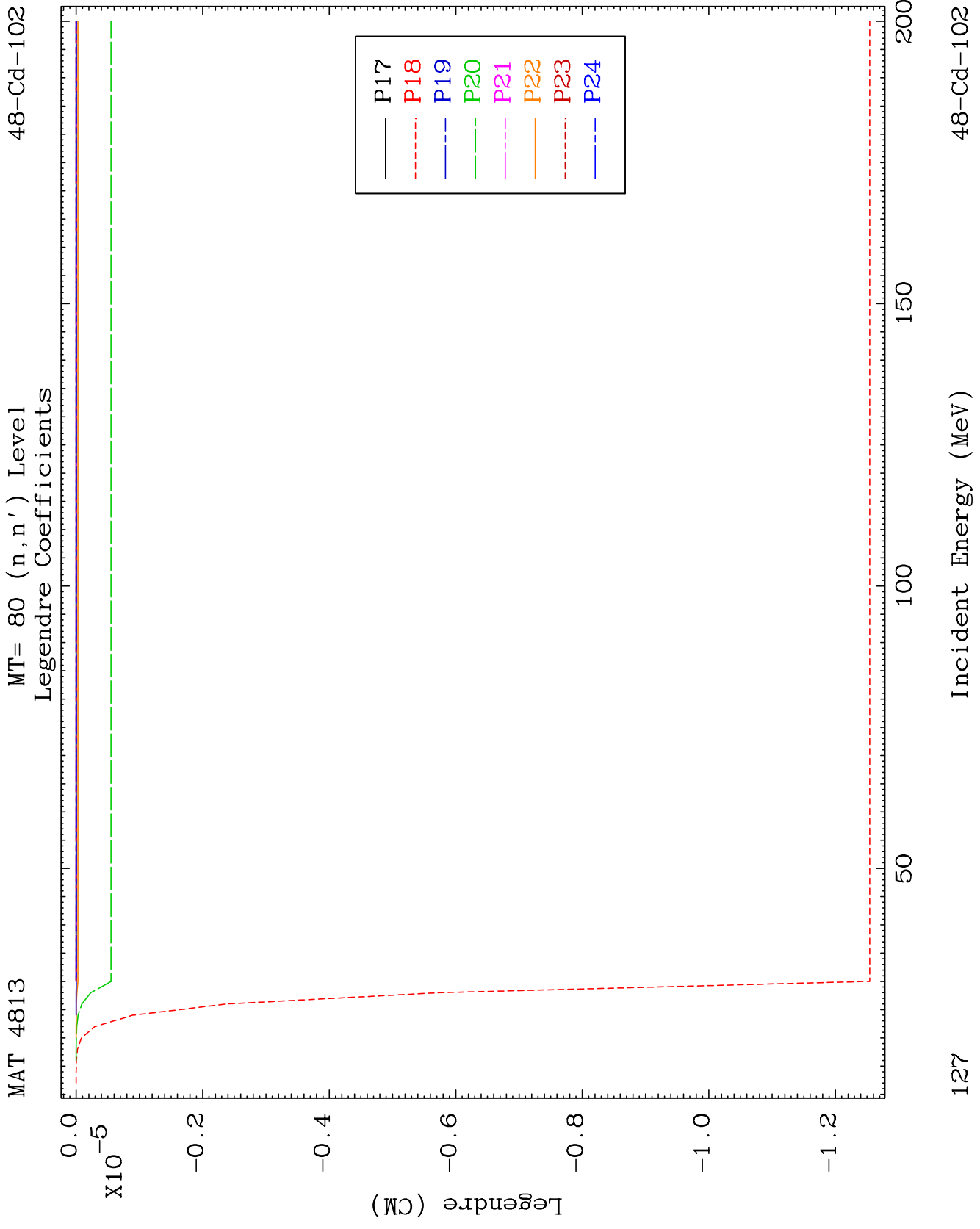
122









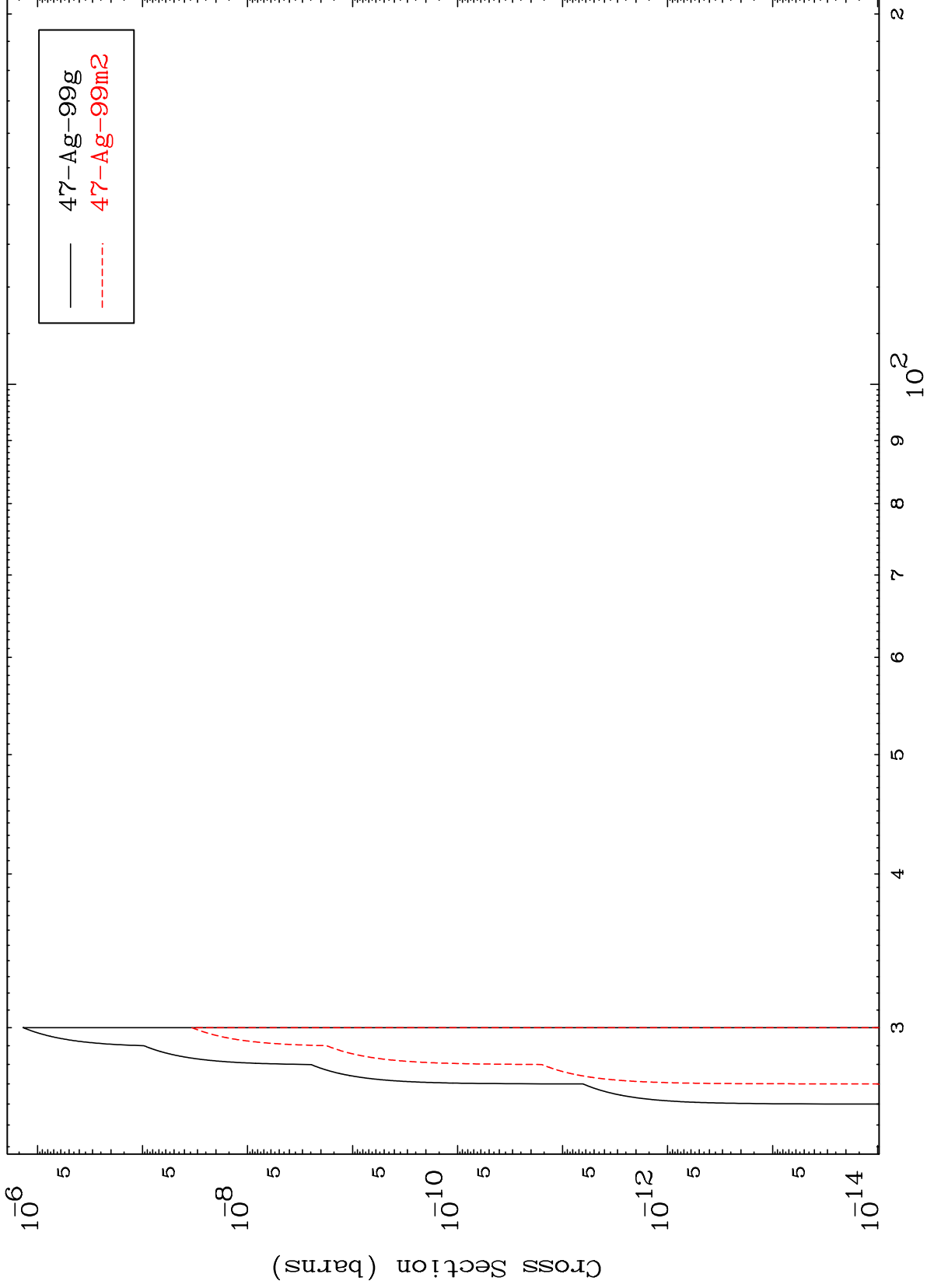


MAT 4813

(n,2n) d

48-Cd-102

Radionuclide Production Cross Section



128

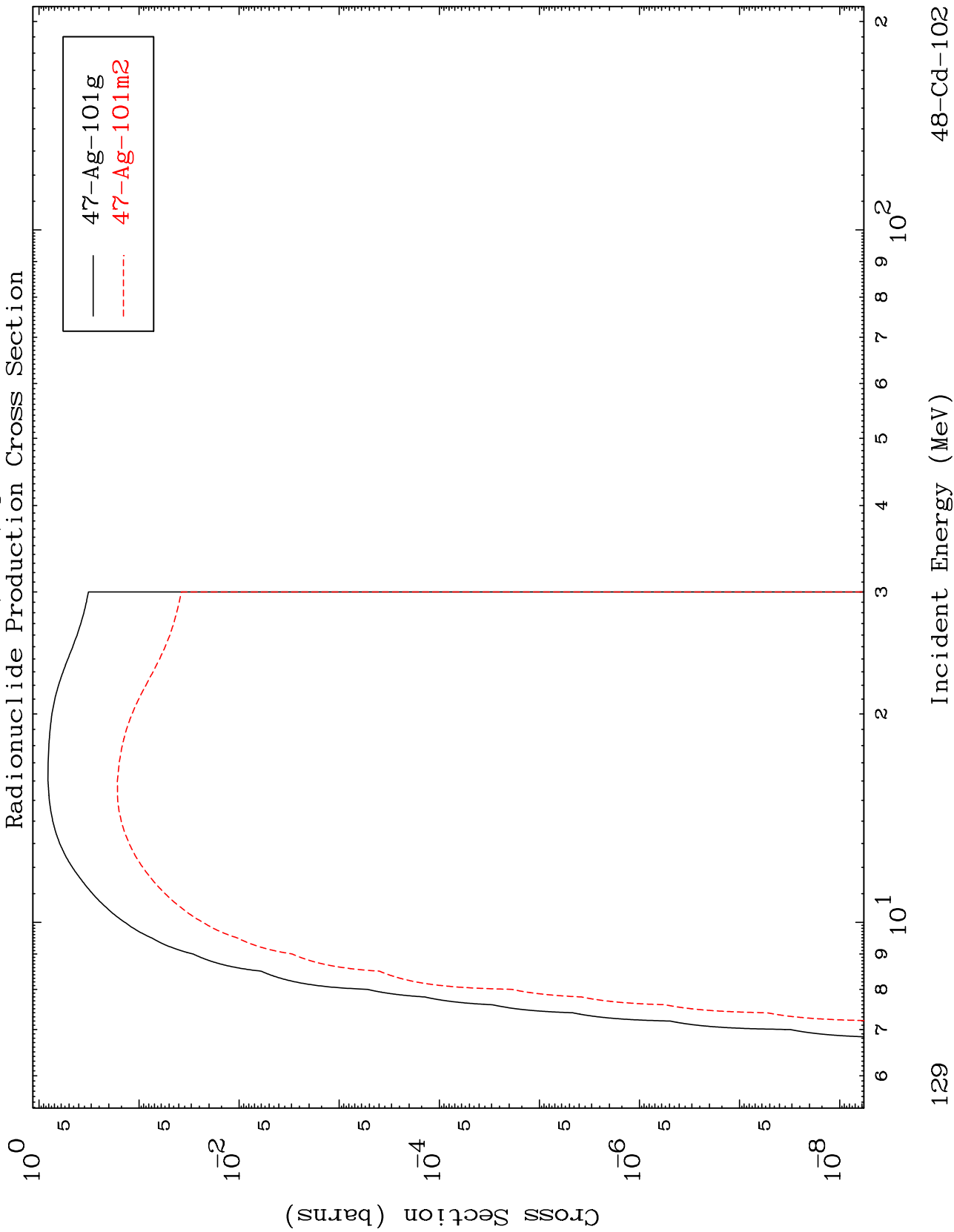
Incident Energy (MeV)

48-Cd-102

MAT 4813

(n,n') p

48-Cd-102



129

Incident Energy (MeV)

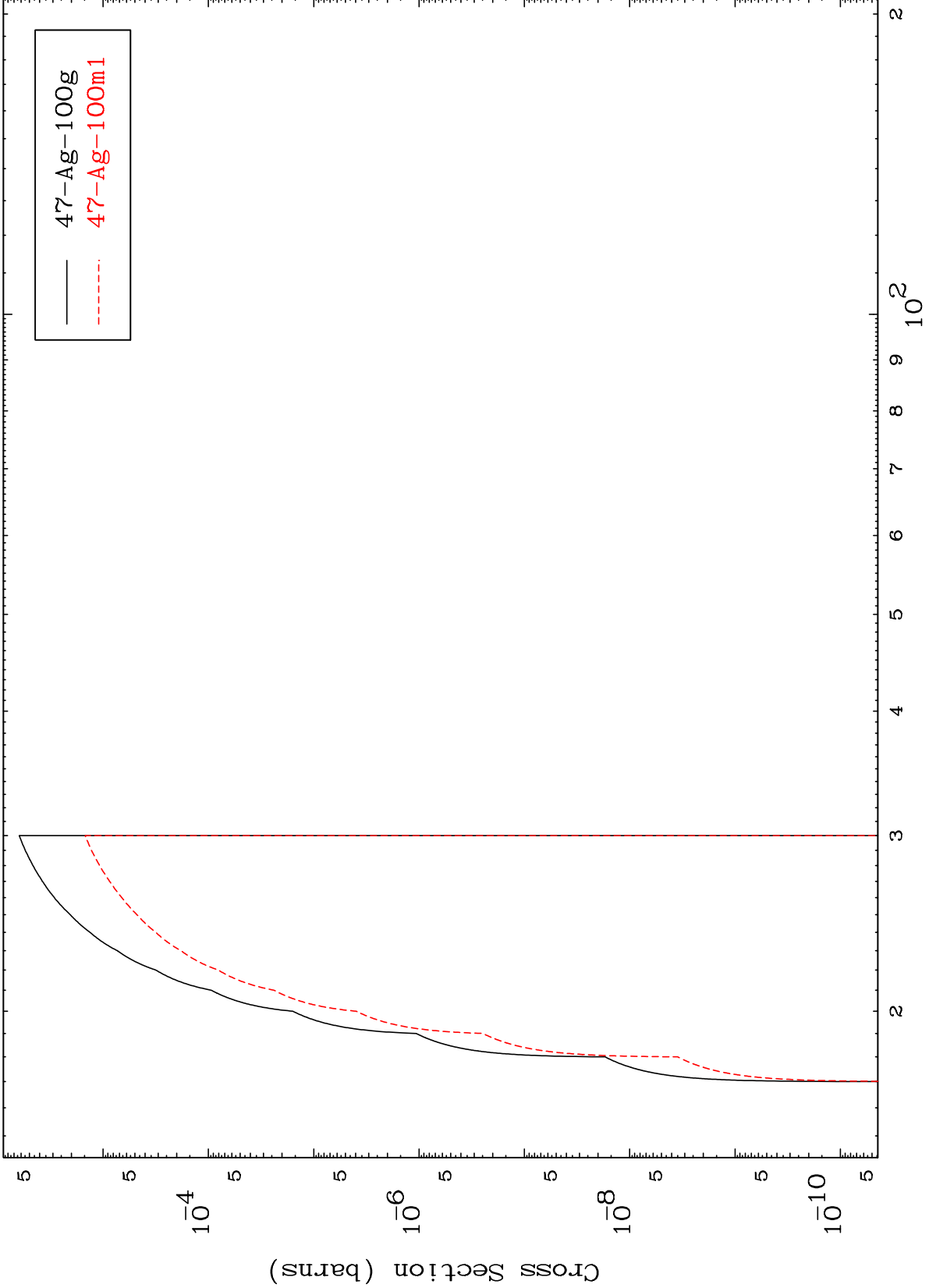
48-Cd-102

MAT 4813

(n,n') d

48-Cd-102

Radionuclide Production Cross Section



130

Incident Energy (MeV)

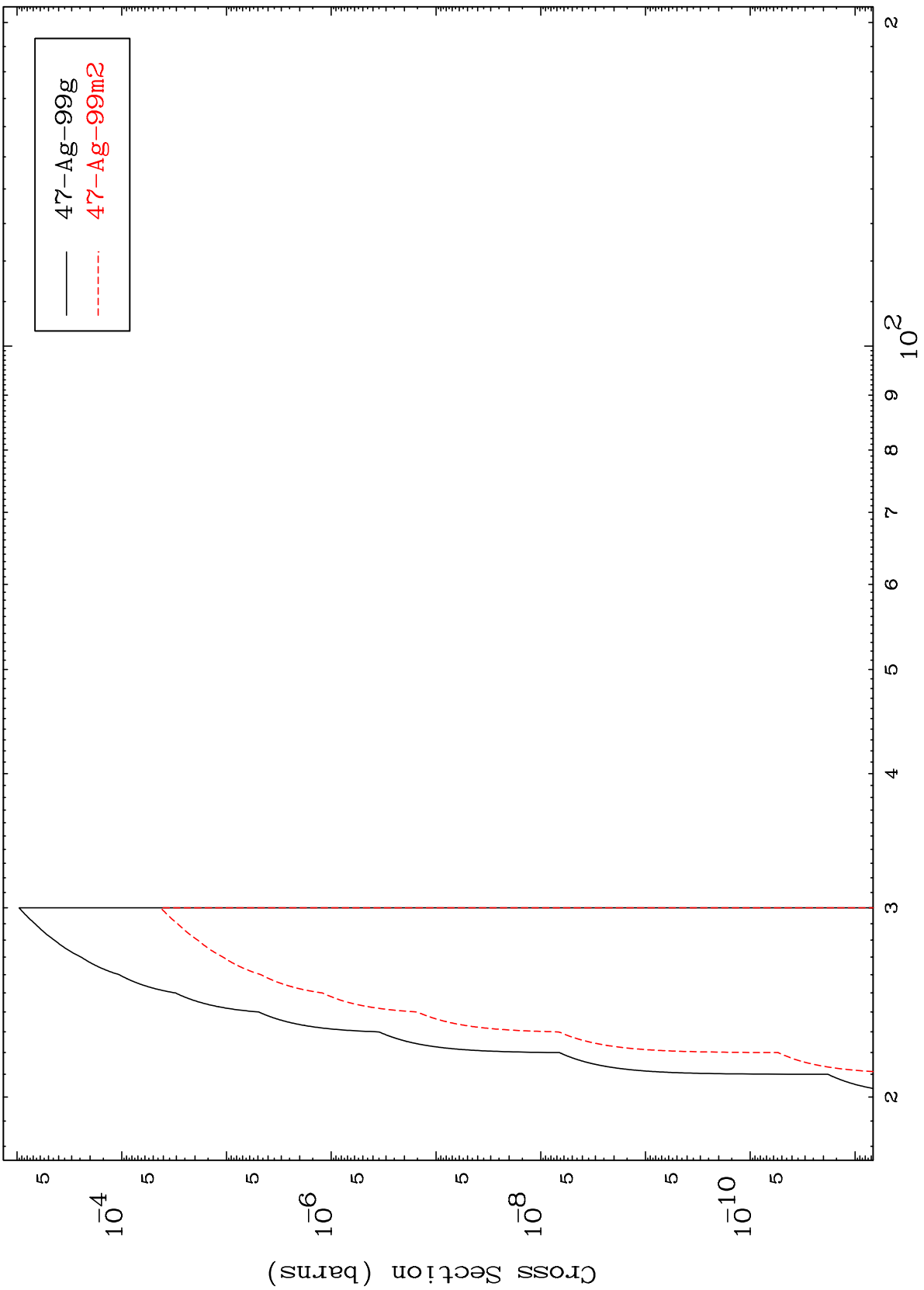
48-Cd-102

MAT 4813

(n,n') t

48-Cd-102

Radionuclide Production Cross Section



131

Incident Energy (MeV)

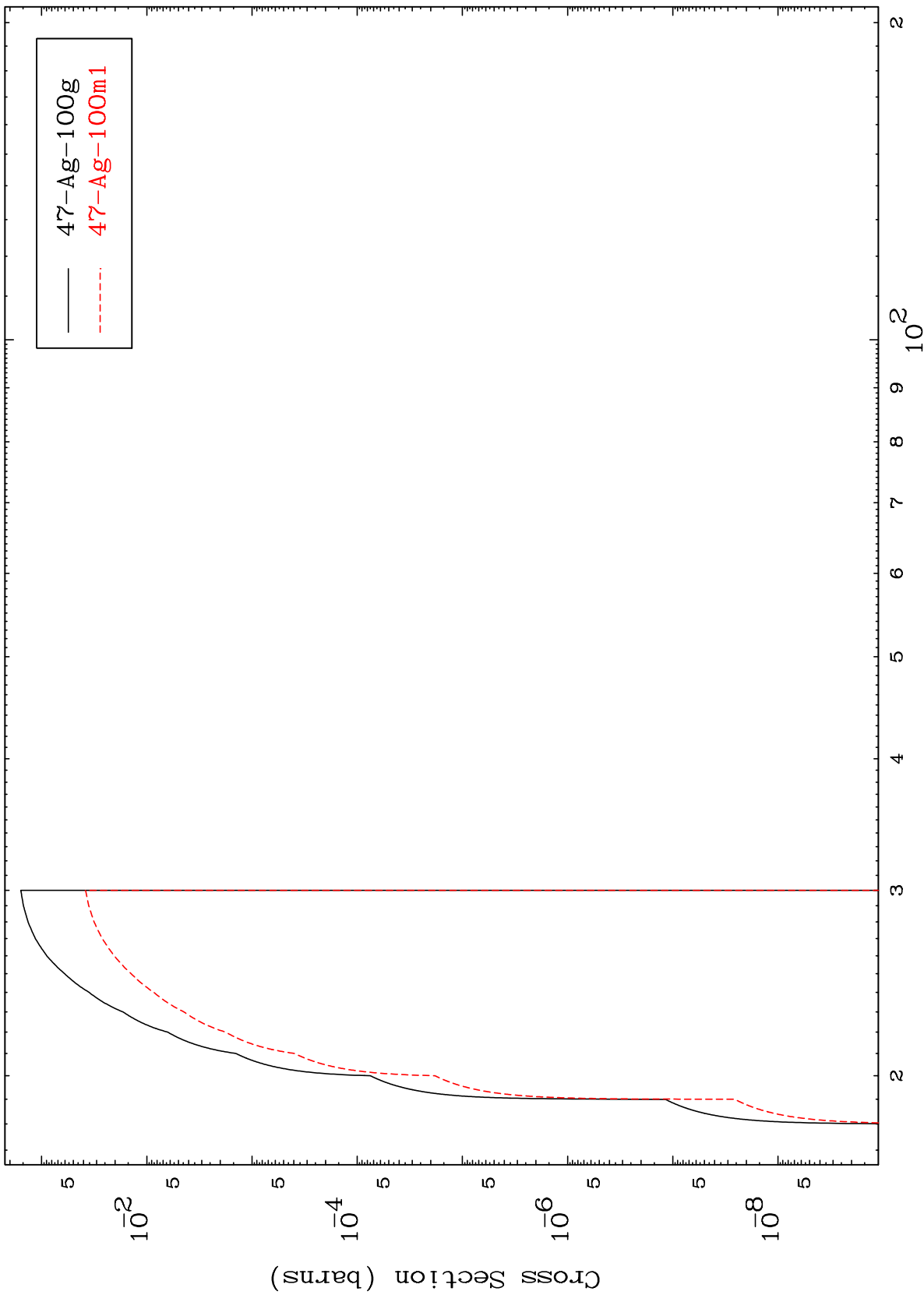
48-Cd-102

MAT 4813

(n,2n) p

48-Cd-102

Radionuclide Production Cross Section



132

Incident Energy (MeV)

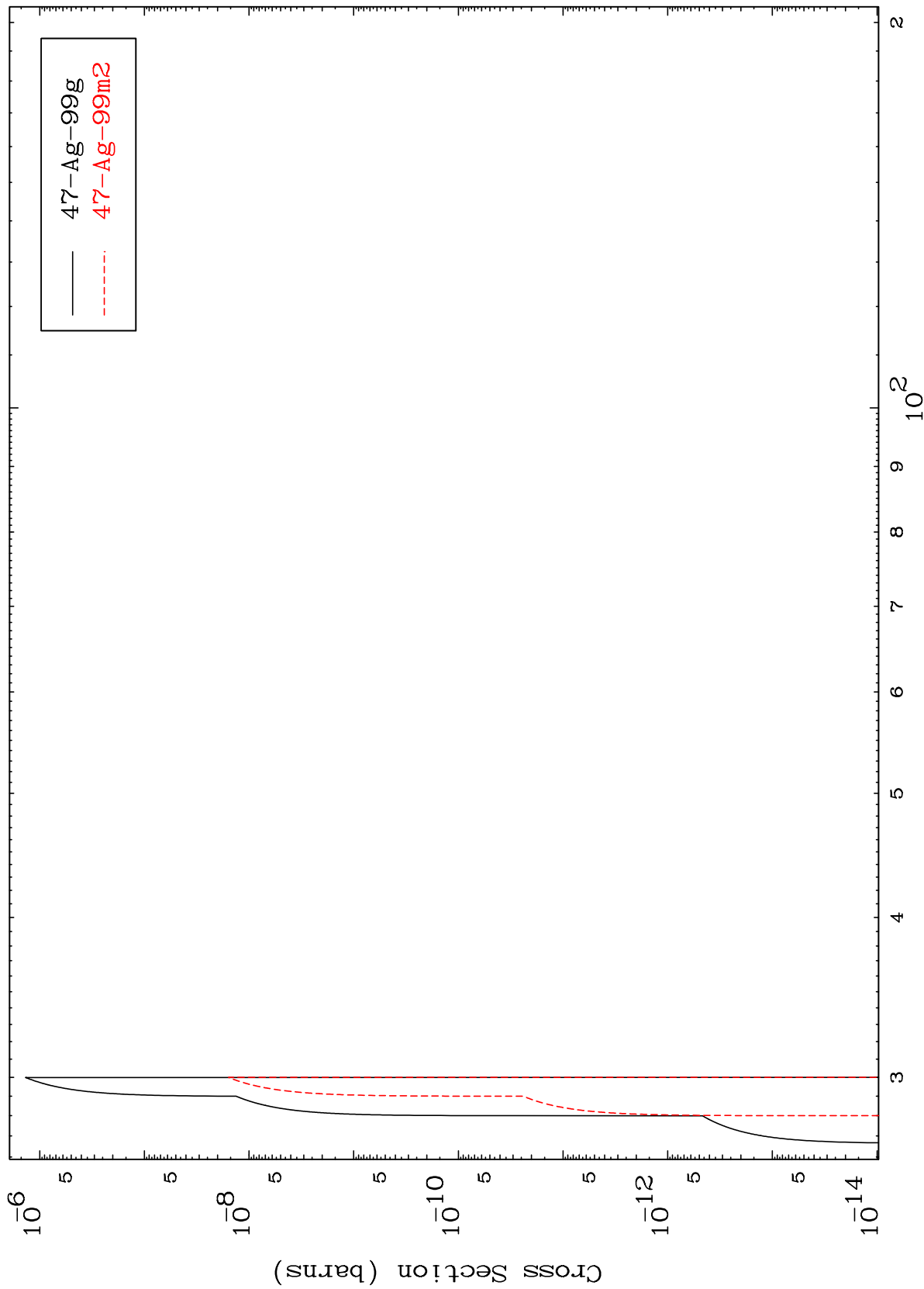
48-Cd-102

MAT 4813

(n,3n) p

48-Cd-102

Radionuclide Production Cross Section



133

Incident Energy (MeV)

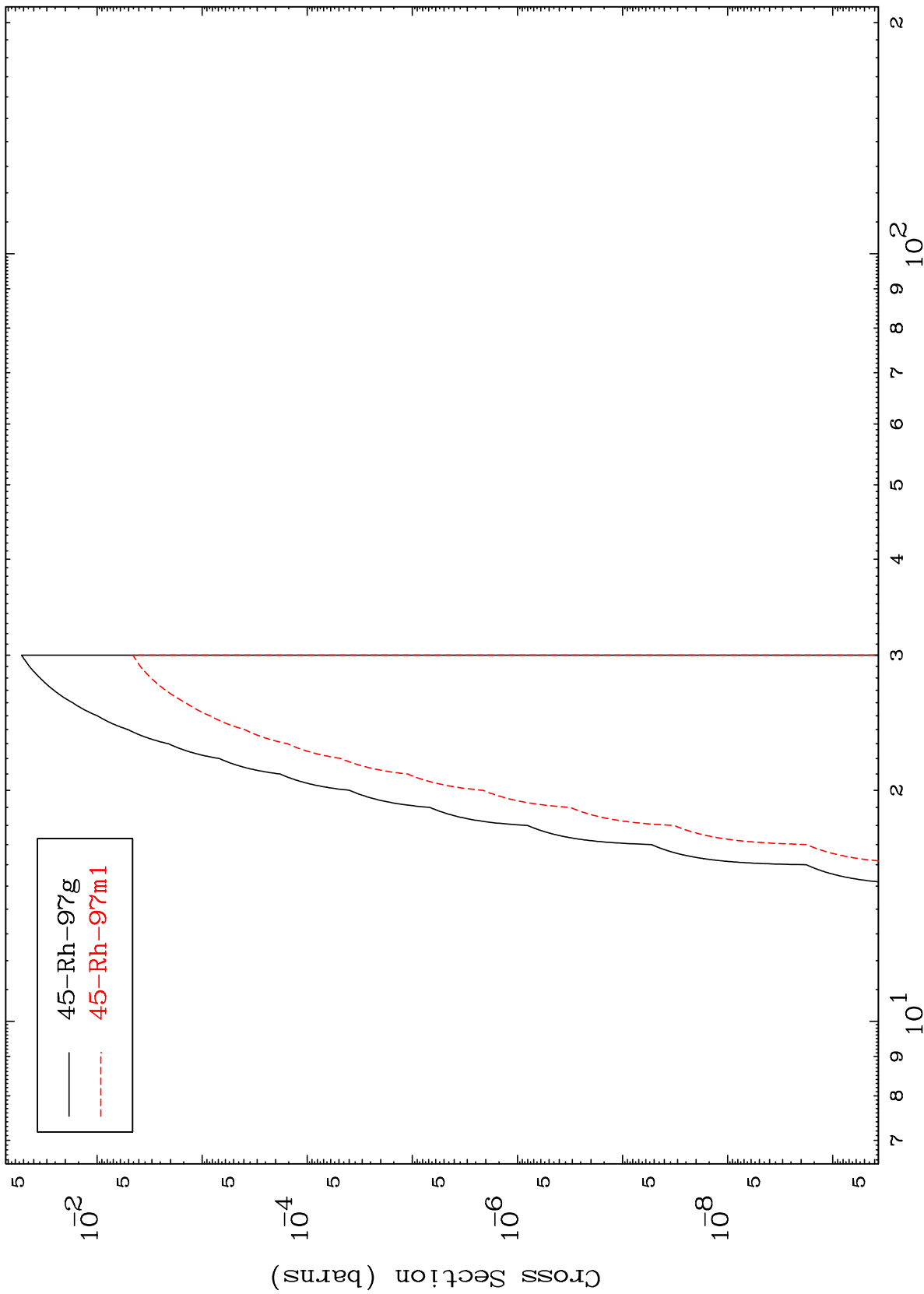
48-Cd-102

MAT 4813

(n,n') p α

48-Cd-102

Radionuclide Production Cross Section



134

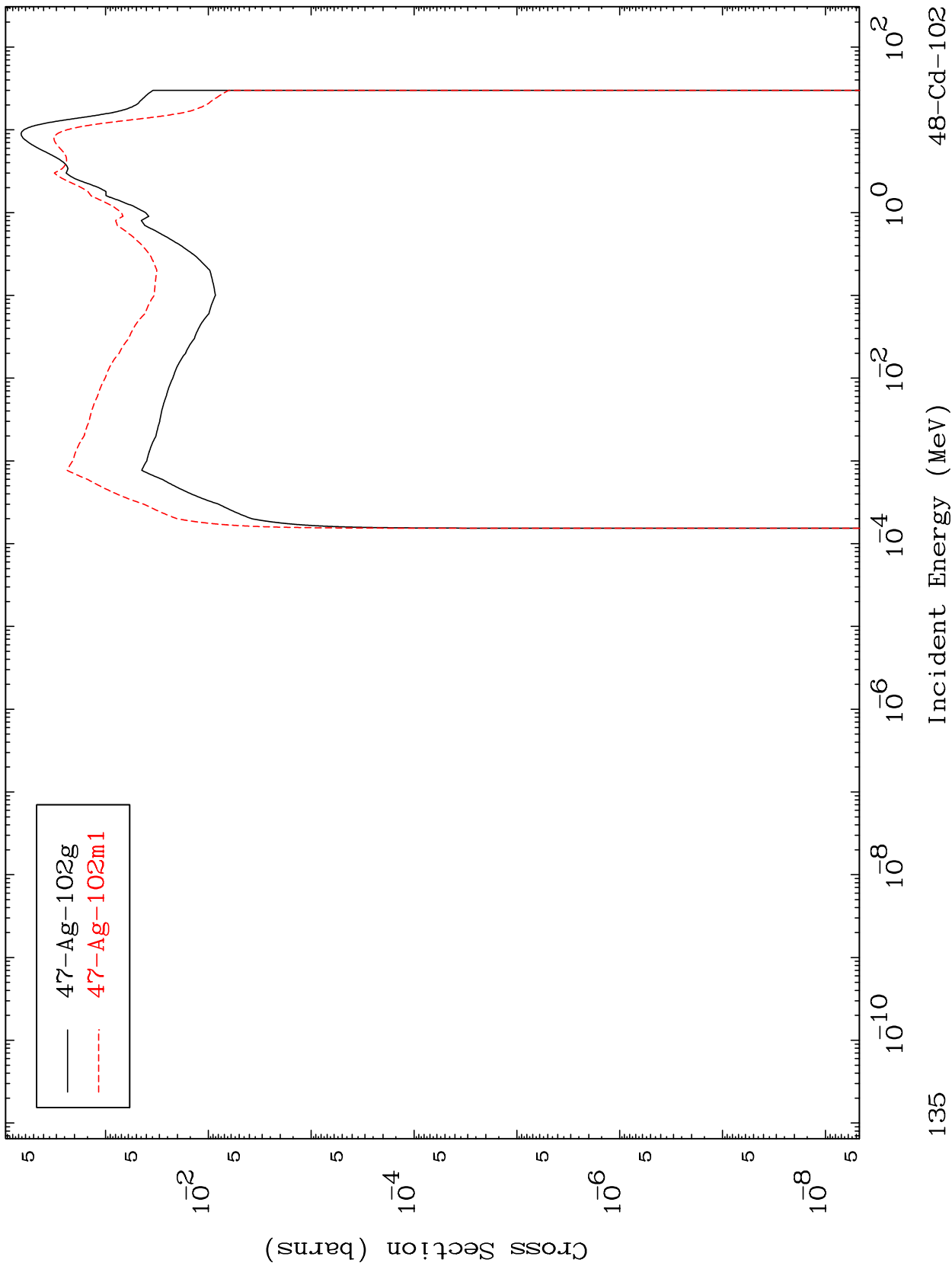
Incident Energy (MeV)

48-Cd-102

MAT 4813

48-Cd-102

(n,p)
Radionuclide Production Cross Section



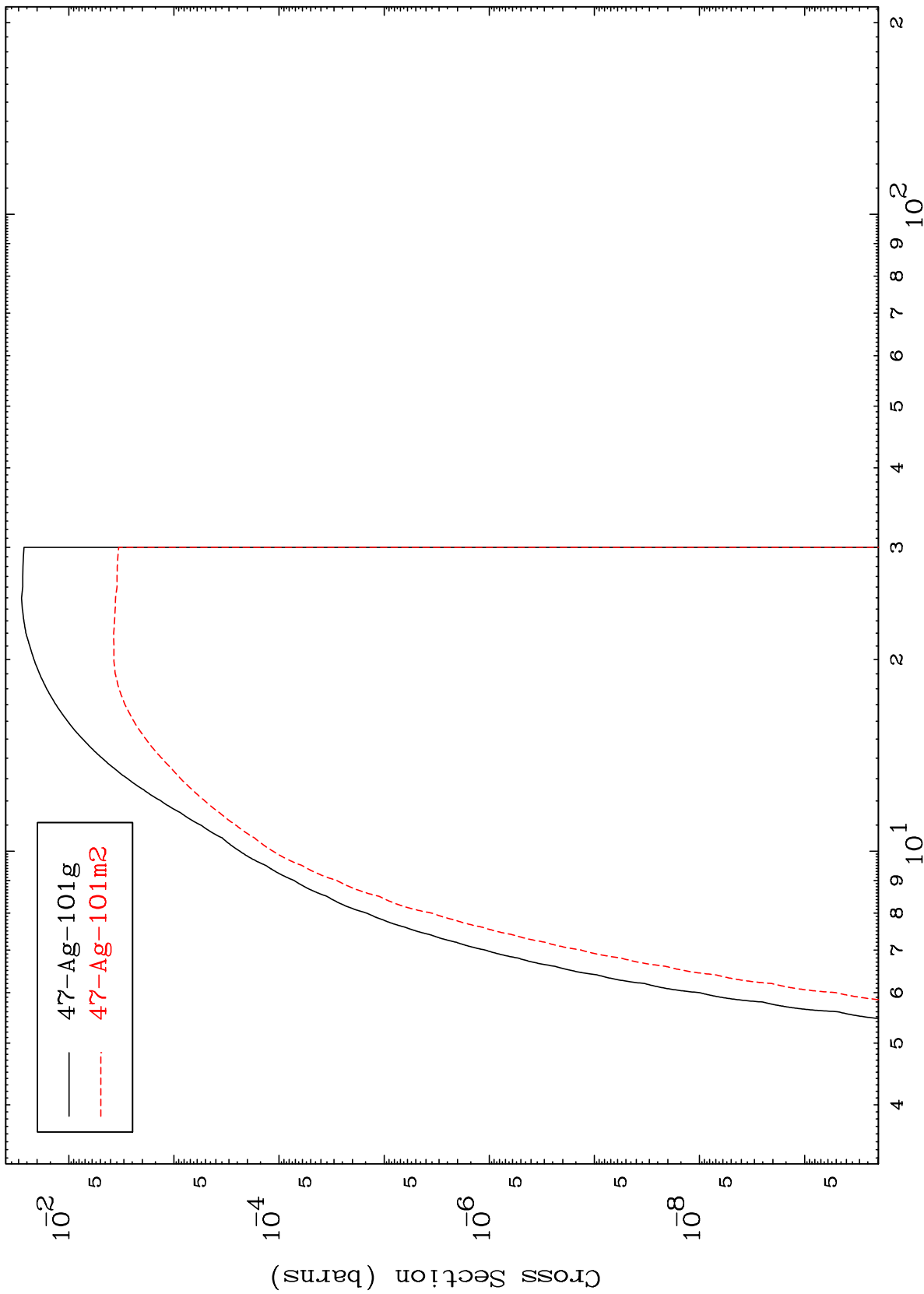
135

48-Cd-102

MAT 4813

48-Cd-102

(n,d)
Radionuclide Production Cross Section



— 47-Ag-101g
- - - 47-Ag-101m2

48-Cd-102

Incident Energy (MeV)

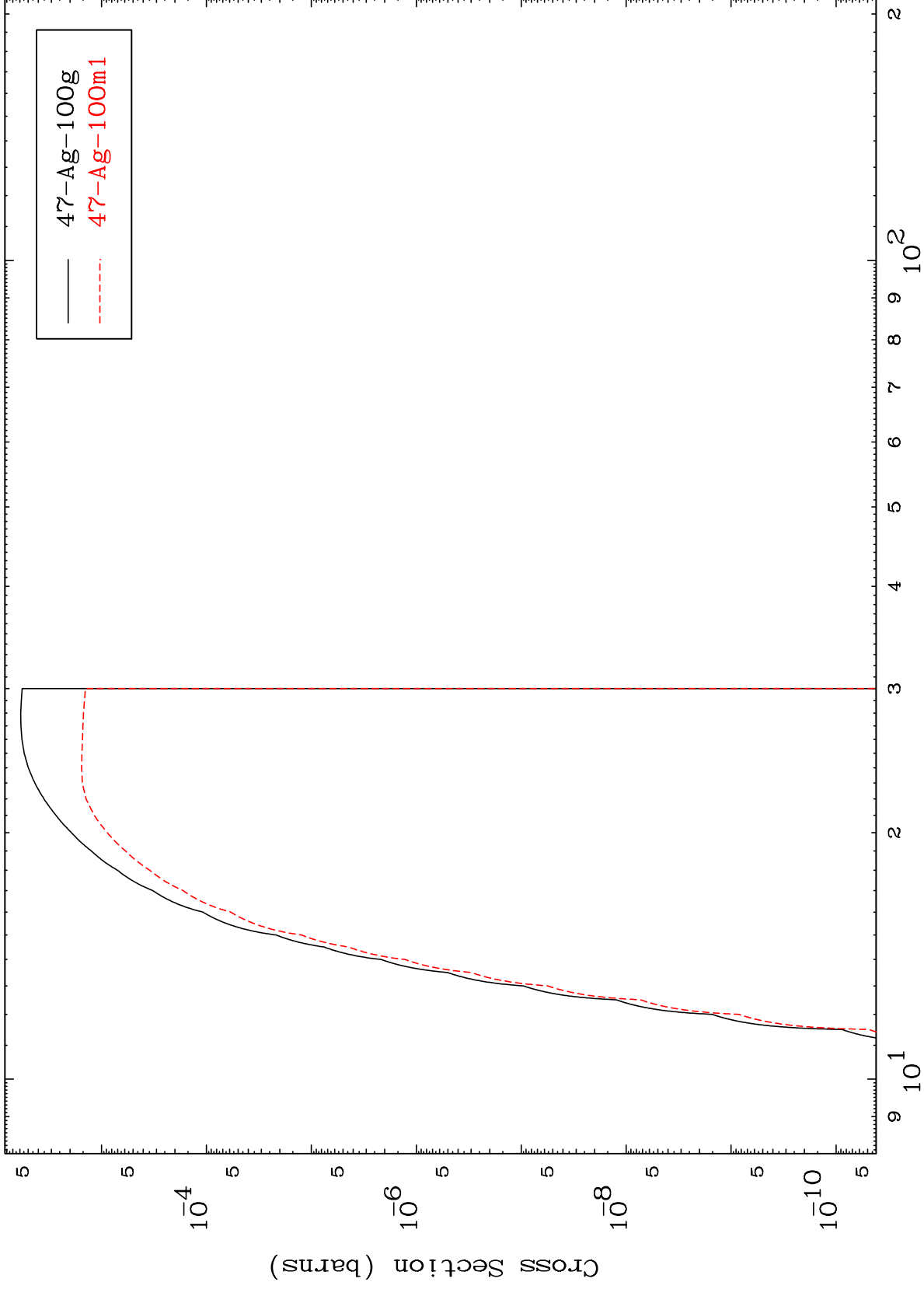
136

MAT 4813

(n, t)

48-Cd-102

Radionuclide Production Cross Section



137

Incident Energy (MeV)

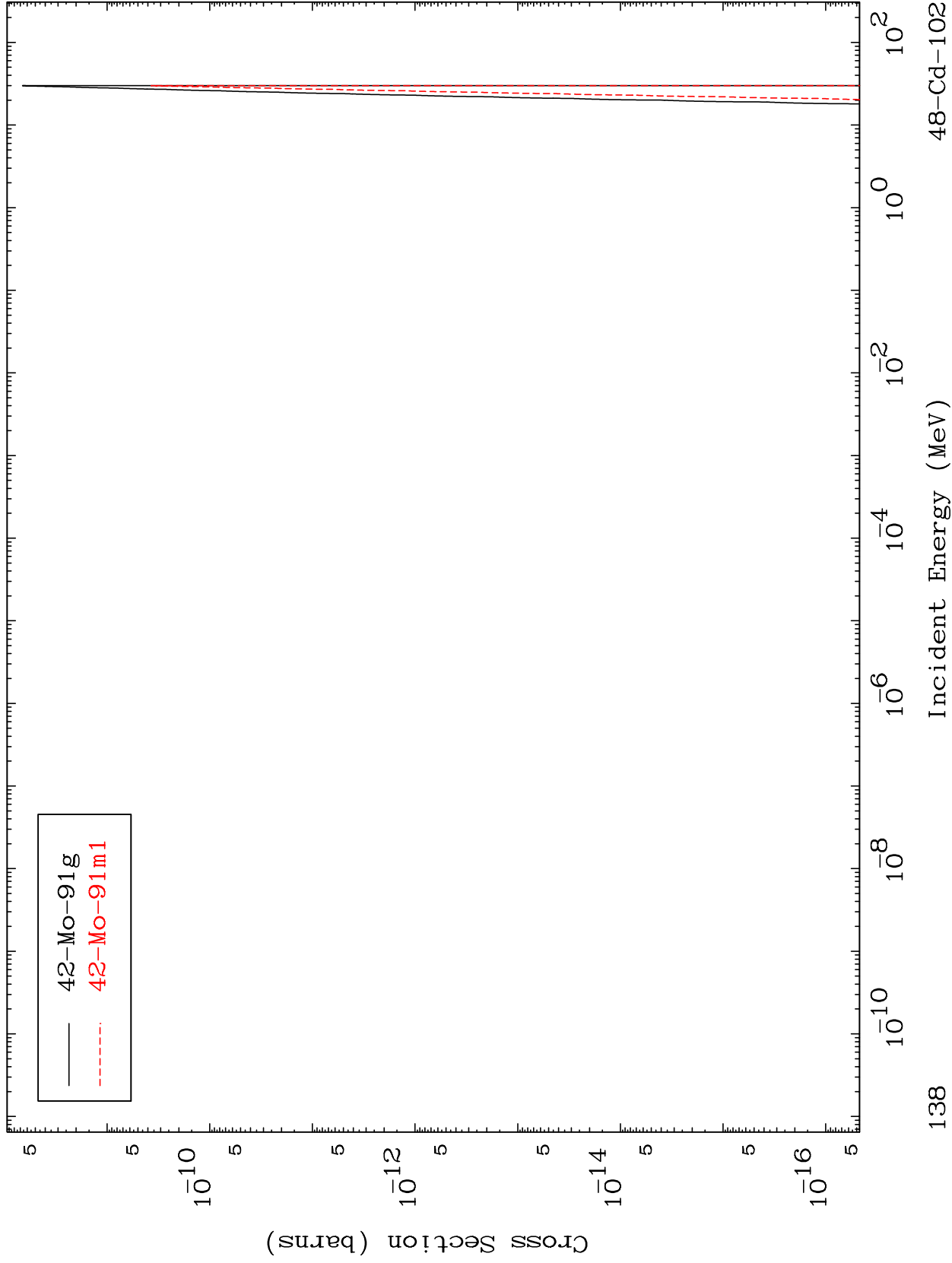
48-Cd-102

MAT 4813

(n,3 α)

48-Cd-102

Radionuclide Production Cross Section



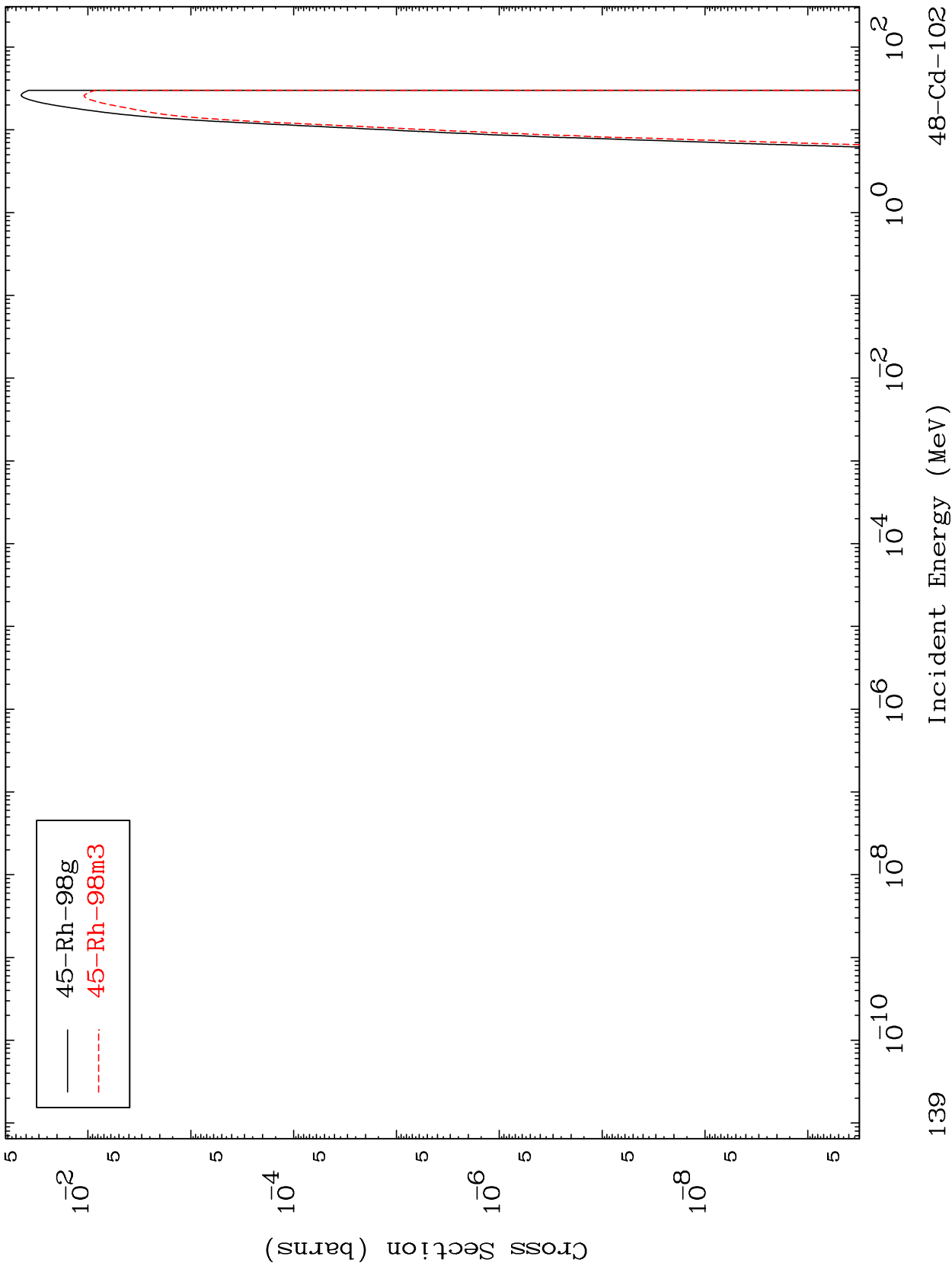
138

MAT 4813

(n,p) α

48-Cd-102

Radionuclide Production Cross Section



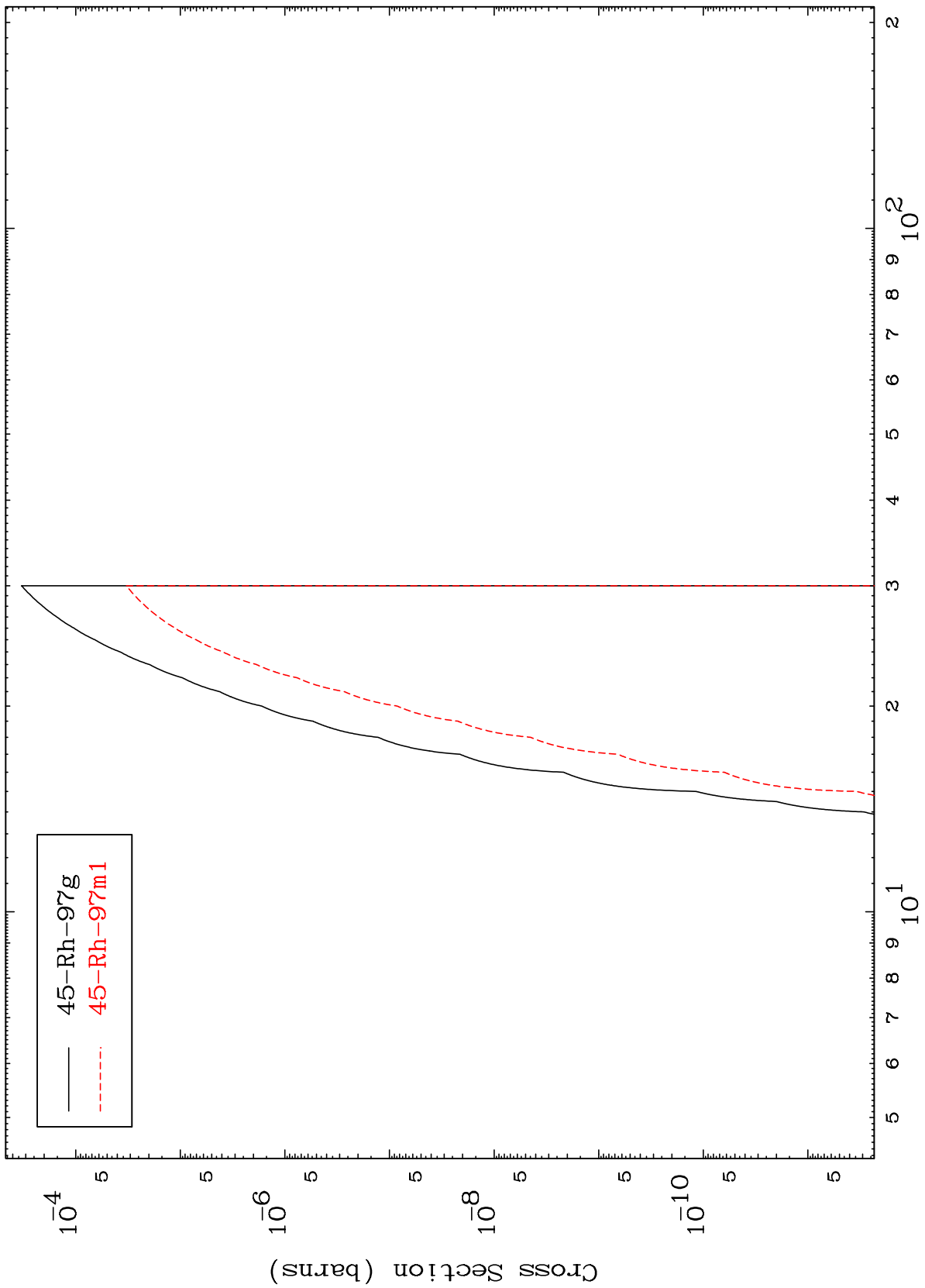
45-Rh-98g
45-Rh-98m3

MAT 4813

(n,d) α

48-Cd-102

Radionuclide Production Cross Section



140

Incident Energy (MeV)

48-Cd-102