

Program EVALPLOT  
(Version 2017-1)

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](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

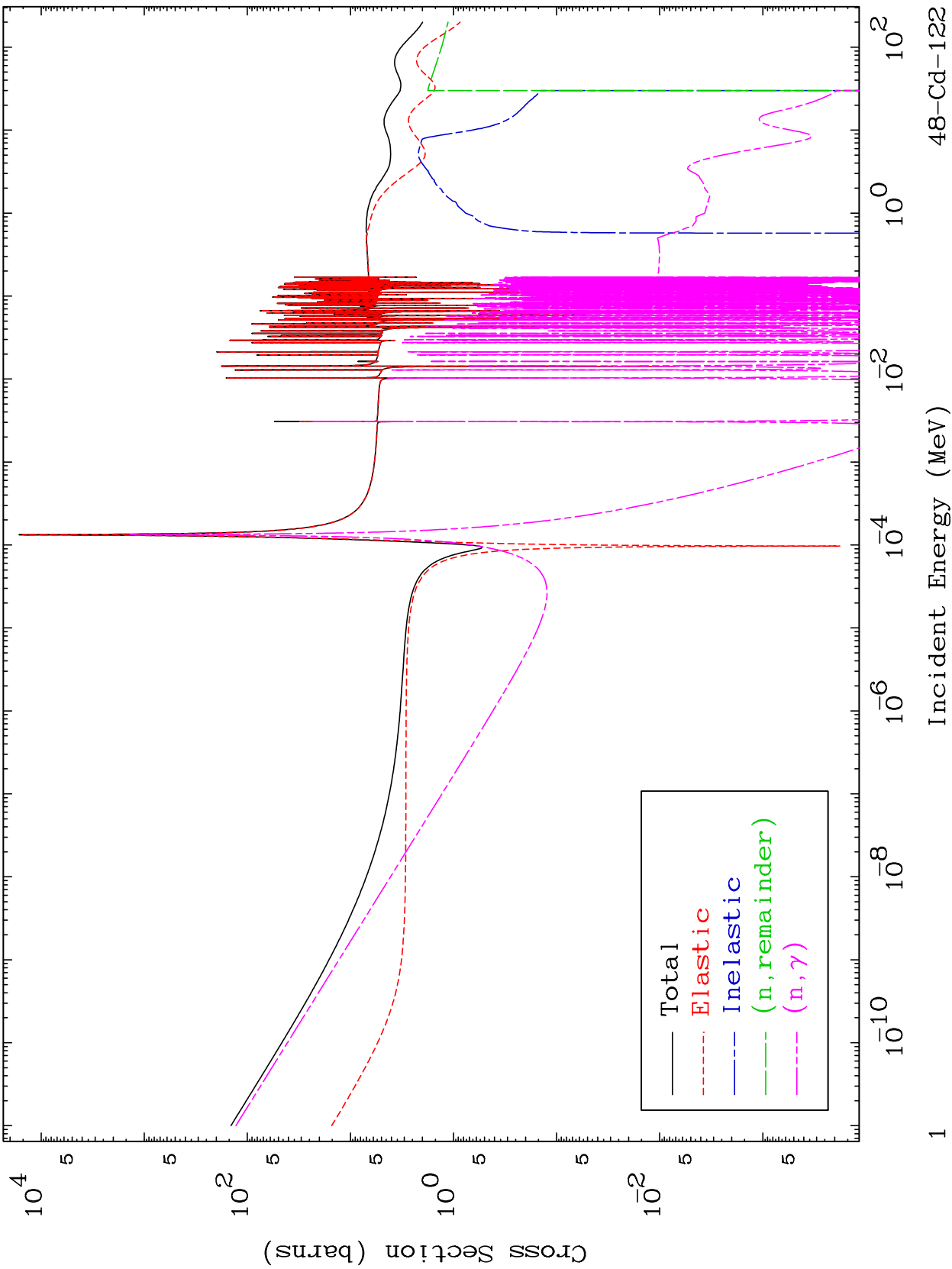
Press Mouse Button to Start

MAT 4873

Major

293 Kelvin Cross Sections

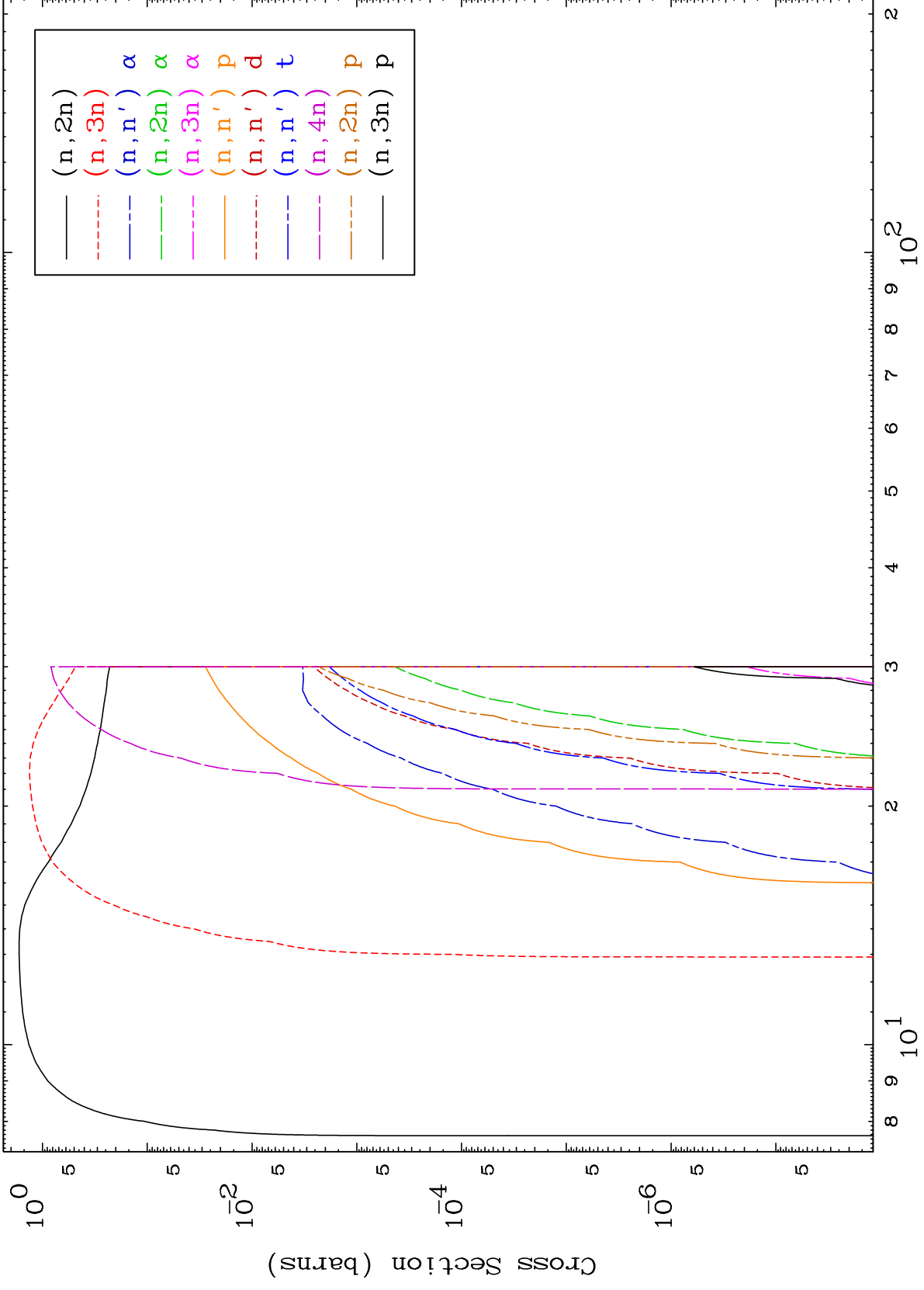
48-Cd-122



MAT 4873

Neutron Production  
293 Kelvin Cross Sections

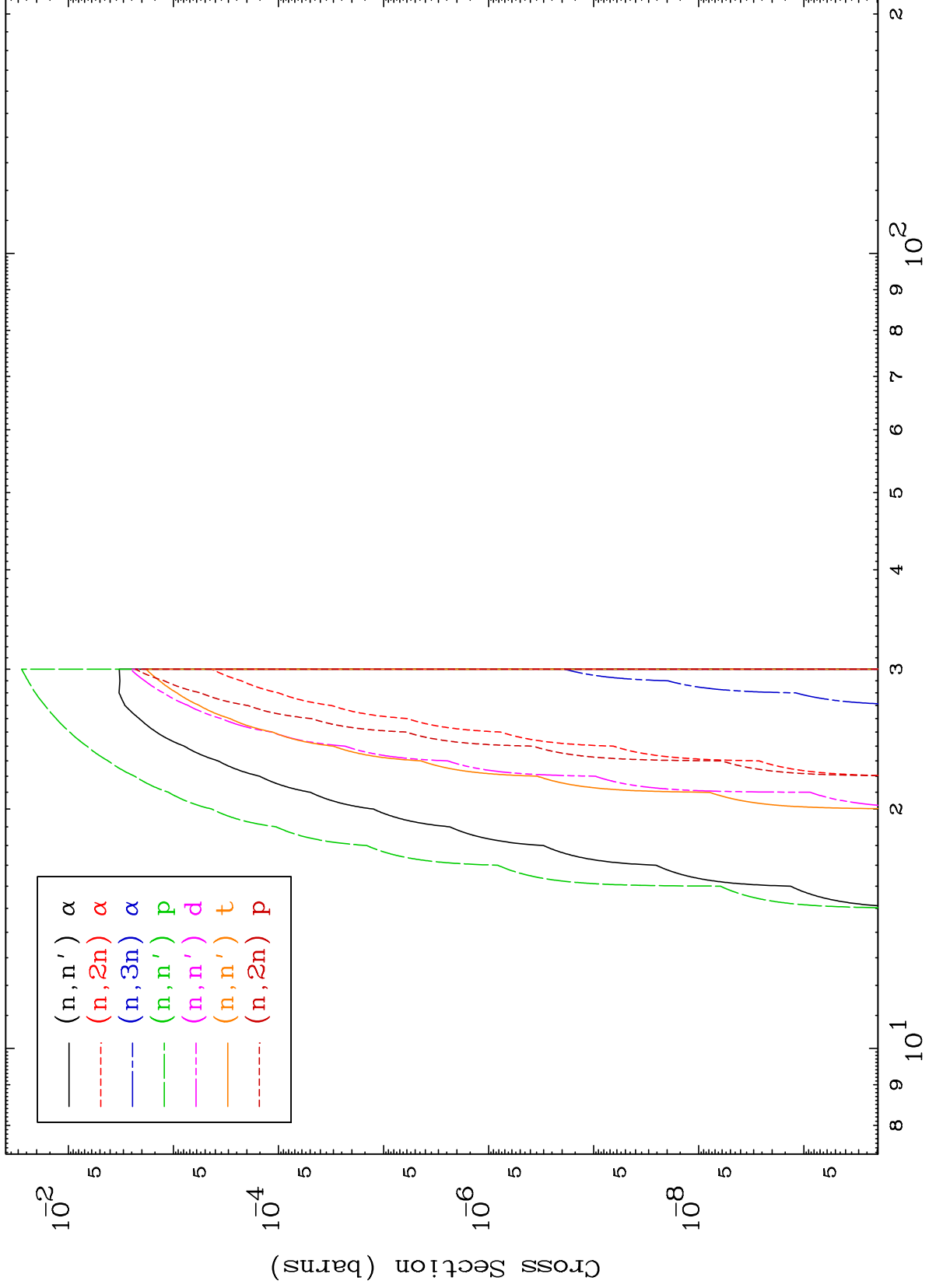
48-Cd-122



2

Incident Energy (MeV)

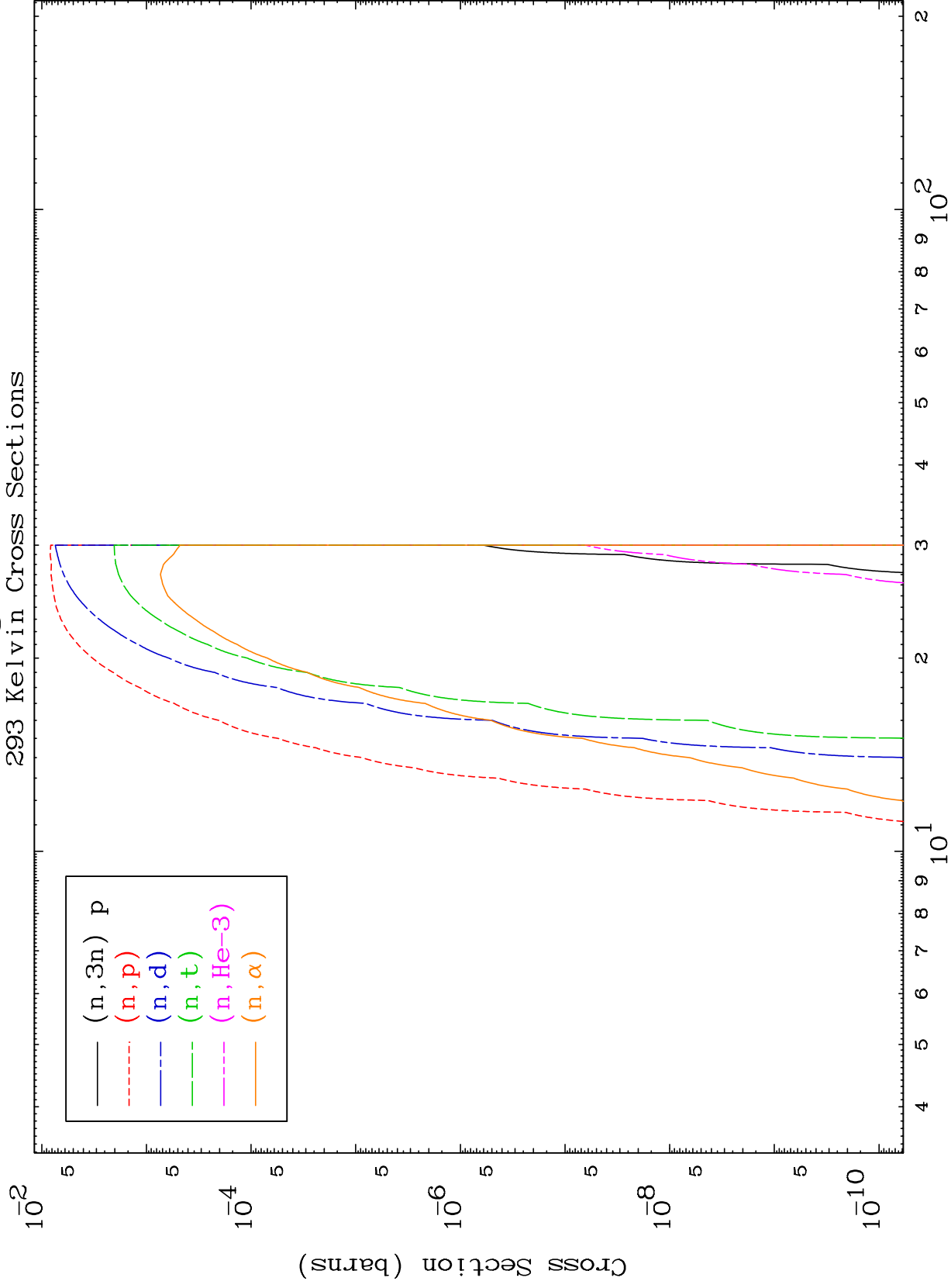
48-Cd-122



MAT 4873

Charged Particle  
293 Kelvin Cross Sections

48-Cd-122



Incident Energy (MeV)

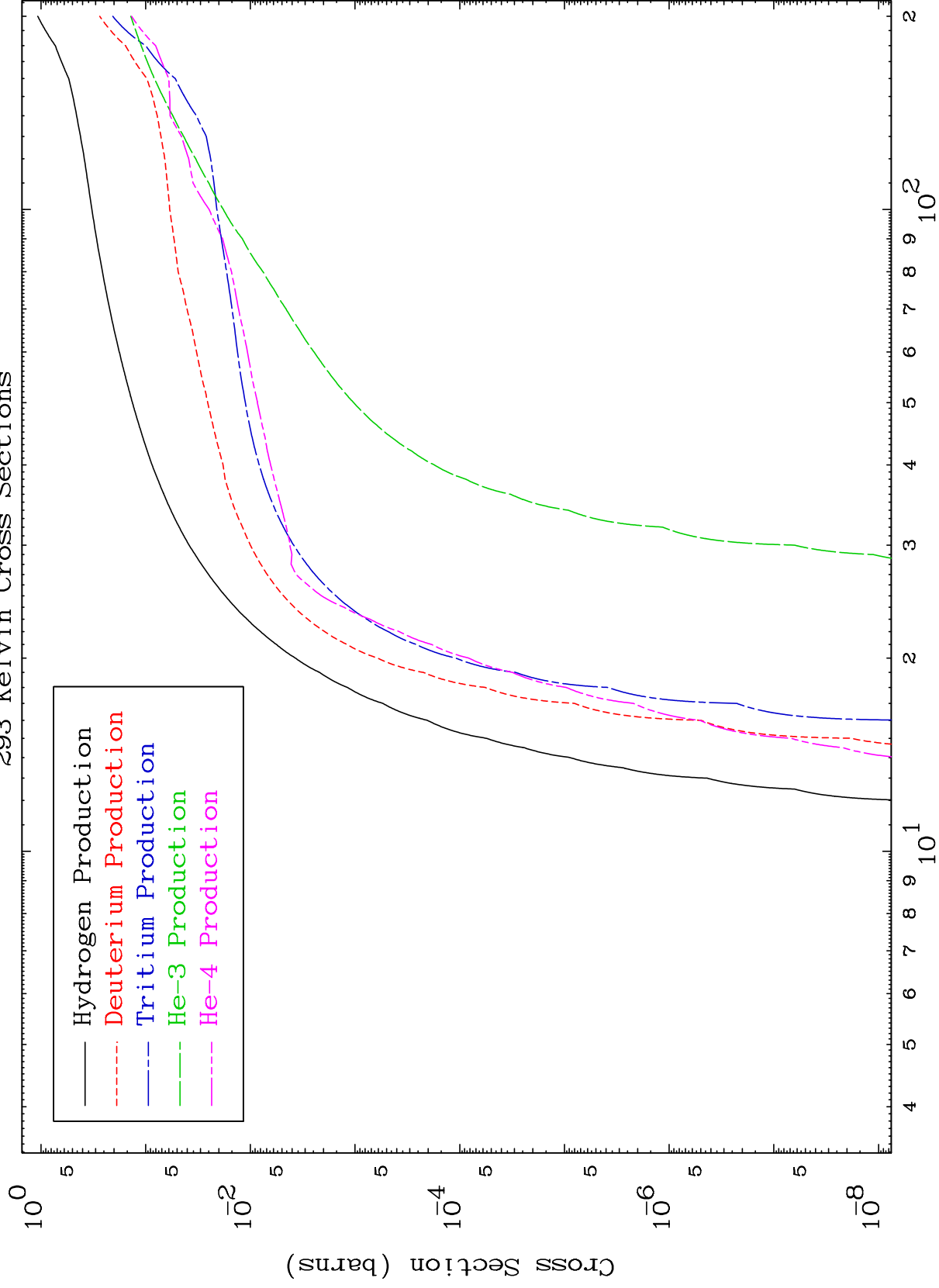
48-Cd-122

4

MAT 4873

Particle Production  
293 Kelvin Cross Sections

48-Cd-122



5

Incident Energy (MeV)

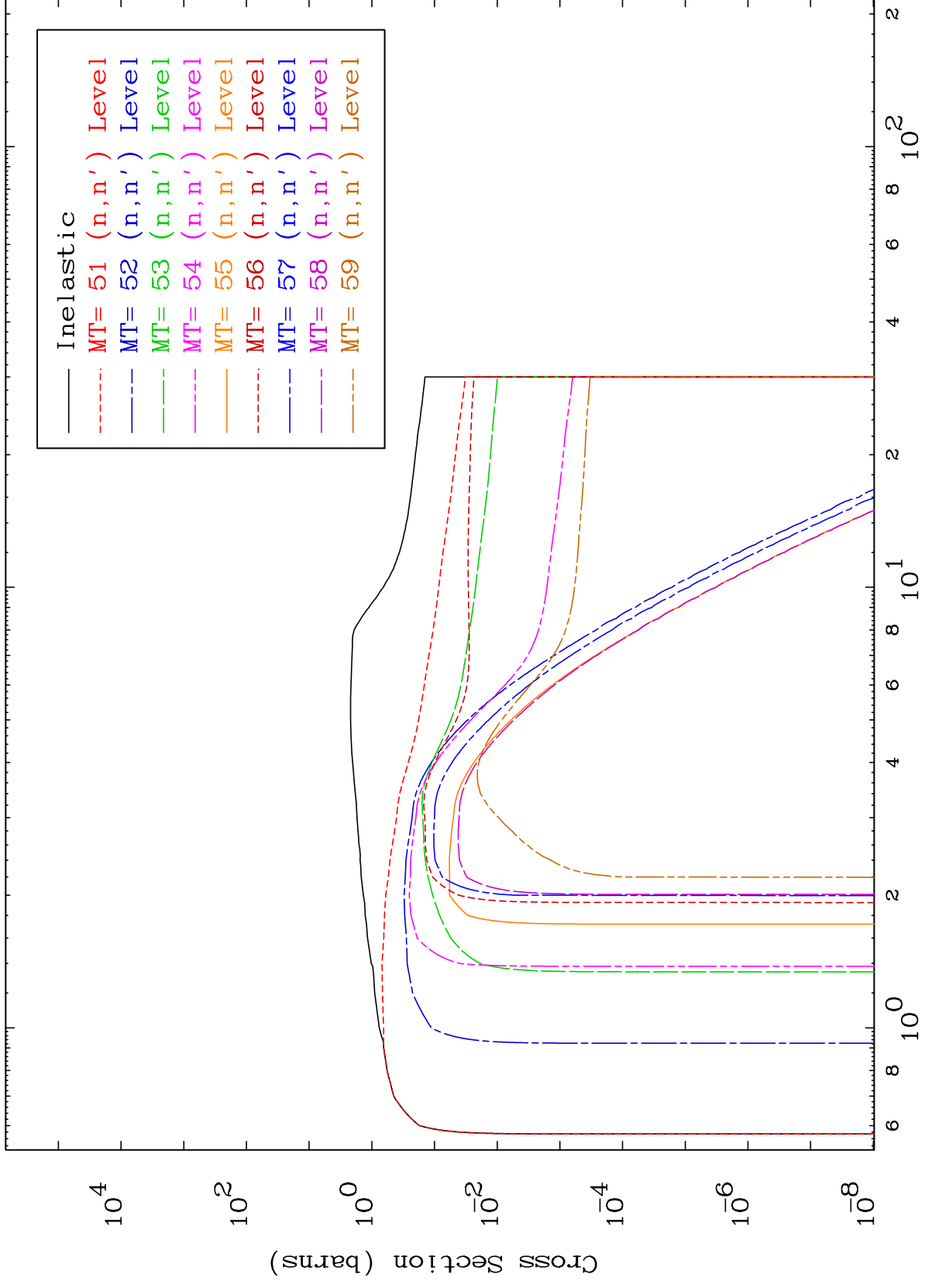
48-Cd-122

MAT 4873

(n,n') Level

48-Cd-122

293 Kelvin Cross Sections



6

Incident Energy (MeV)

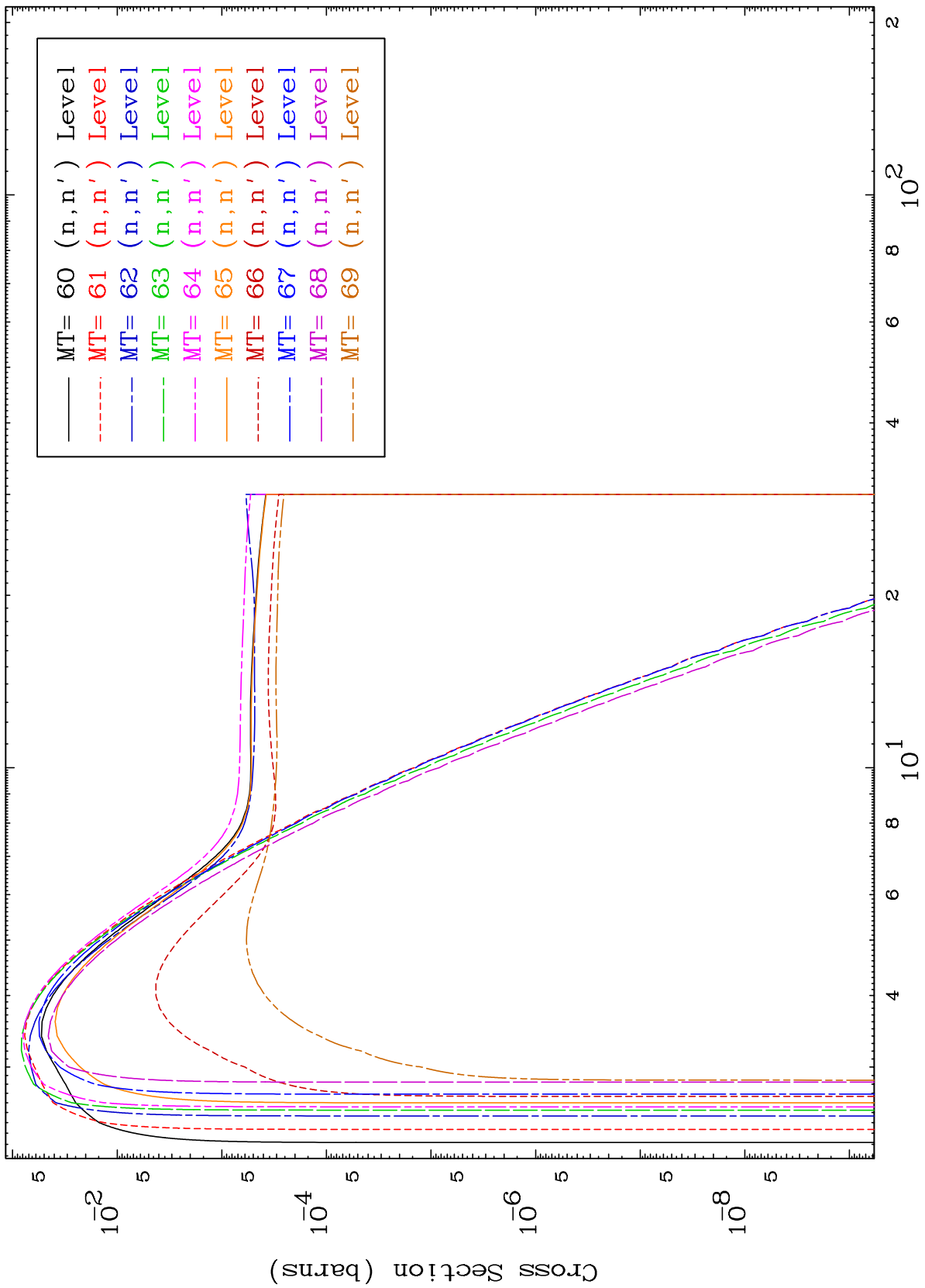
48-Cd-122

MAT 4873

(n,n') Level

48-Cd-122

293 Kelvin Cross Sections



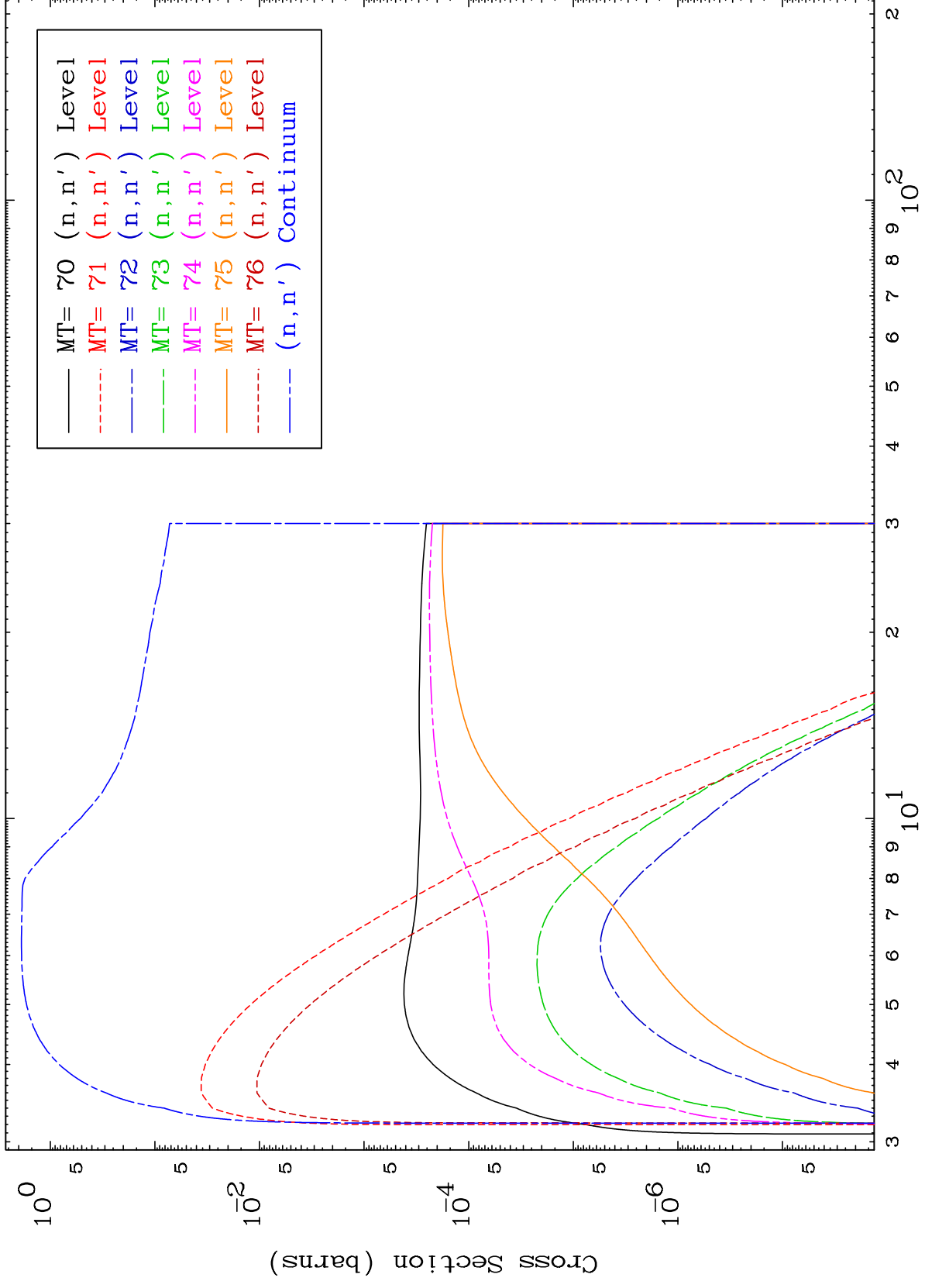


MAT 4873

(n,n') Level

48-Cd-122

293 Kelvin Cross Sections



Incident Energy (MeV)

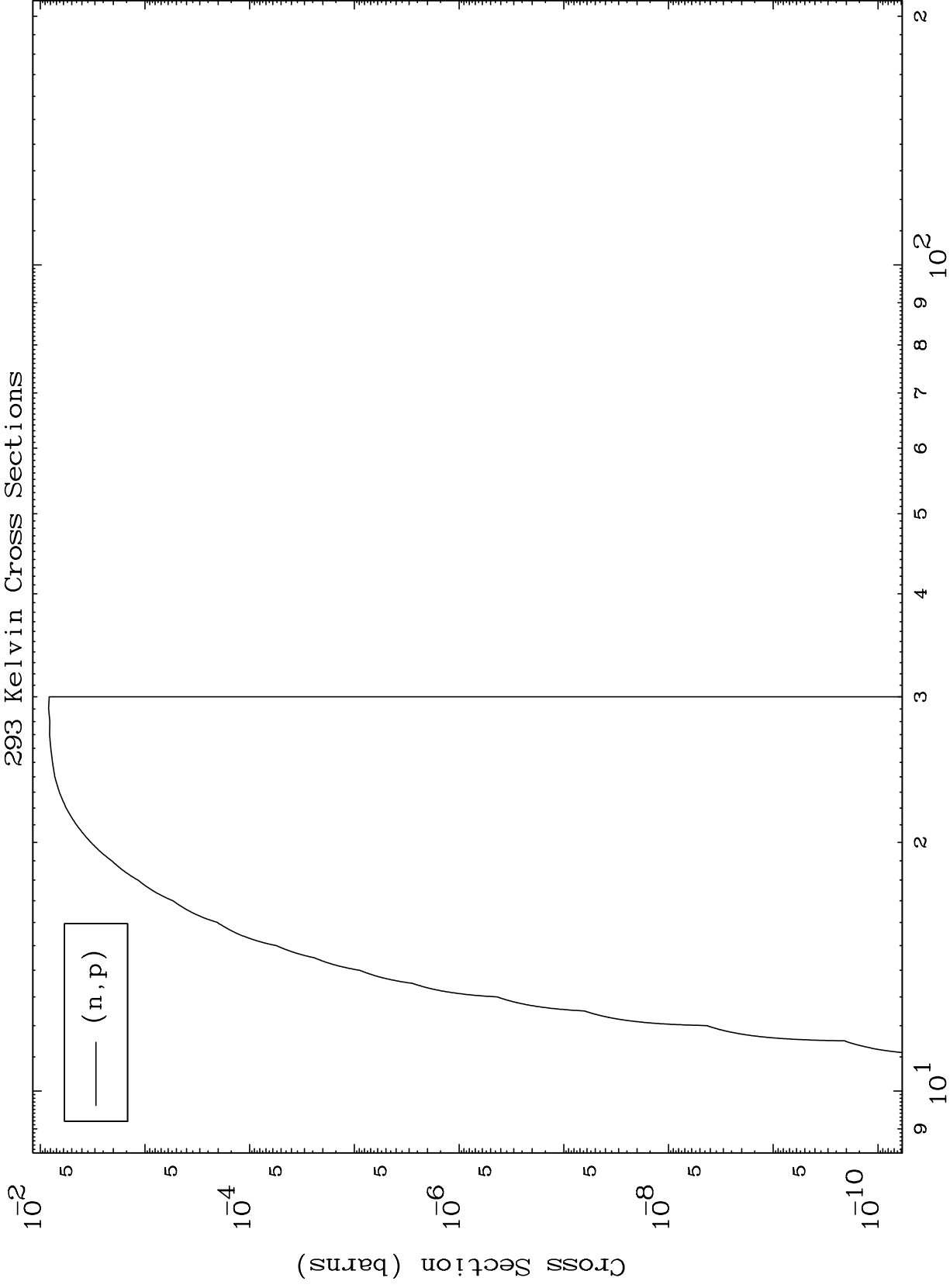
48-Cd-122

8

MAT 4873

(n,p) Levels  
293 Kelvin Cross Sections

48-Cd-122



9

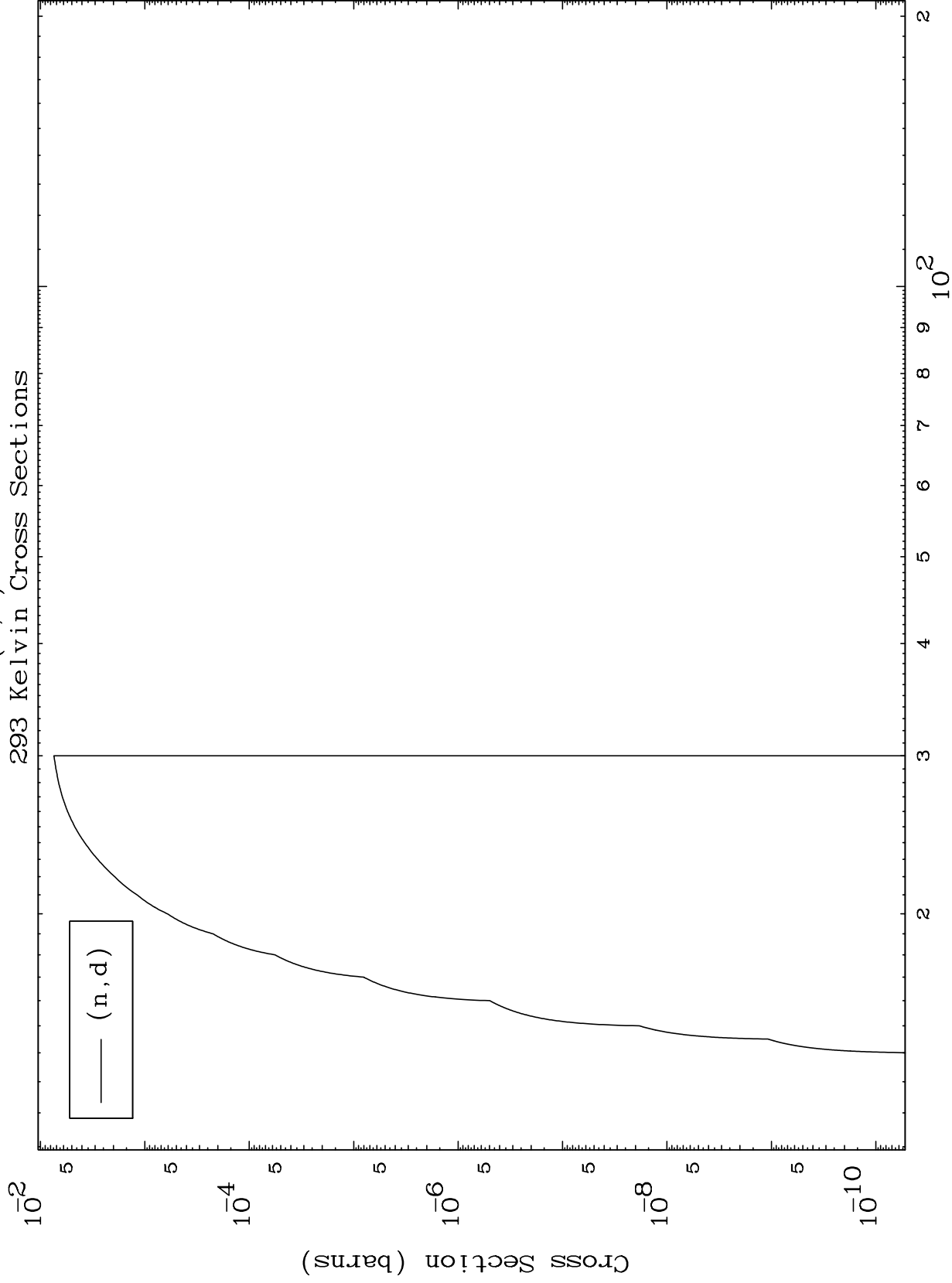
Incident Energy (MeV)

48-Cd-122

MAT 4873

(n,d) Levels  
293 Kelvin Cross Sections

48-Cd-122



10

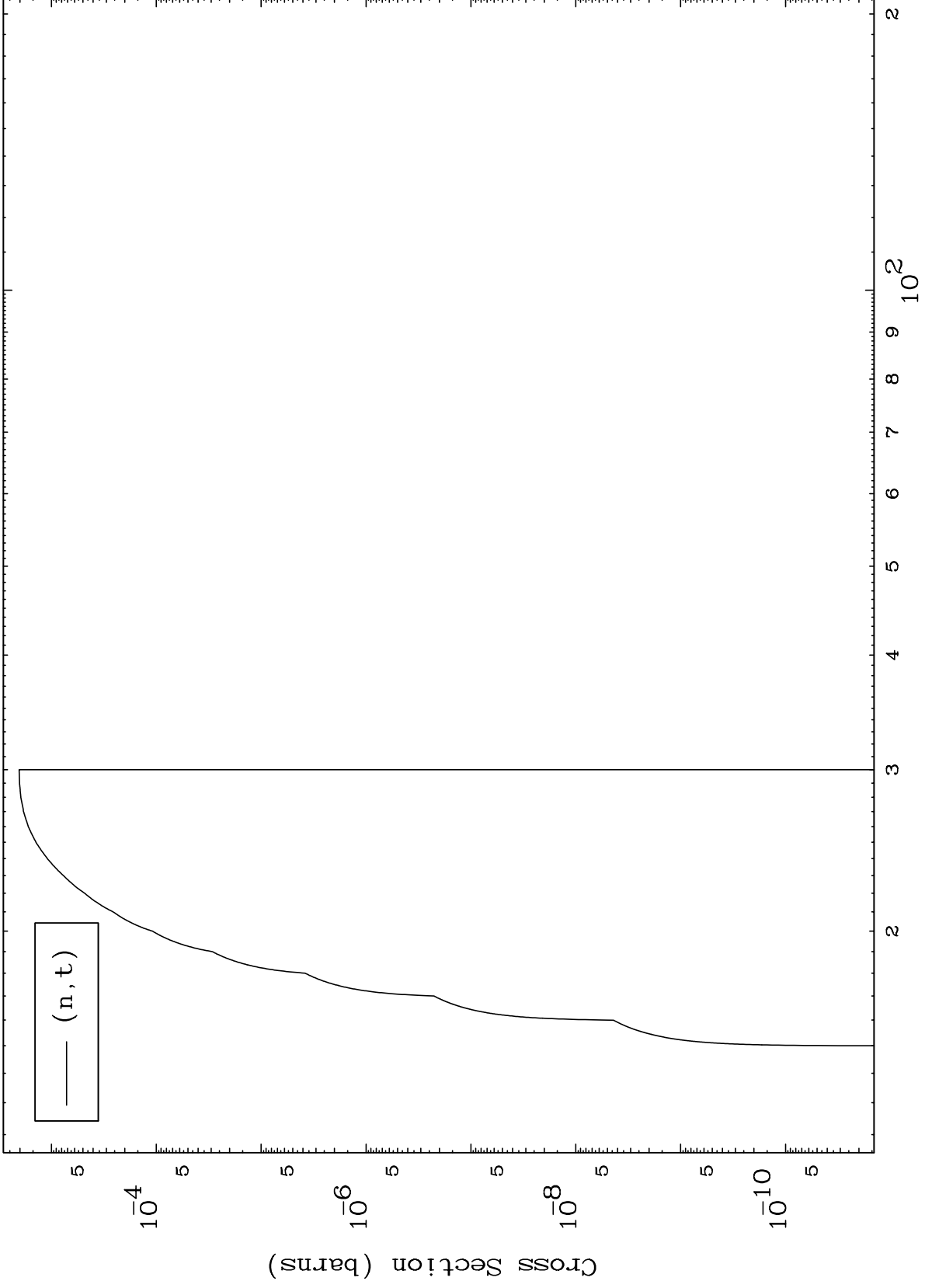
Incident Energy (MeV)

48-Cd-122

MAT 4873

(n,t) Levels  
293 Kelvin Cross Sections

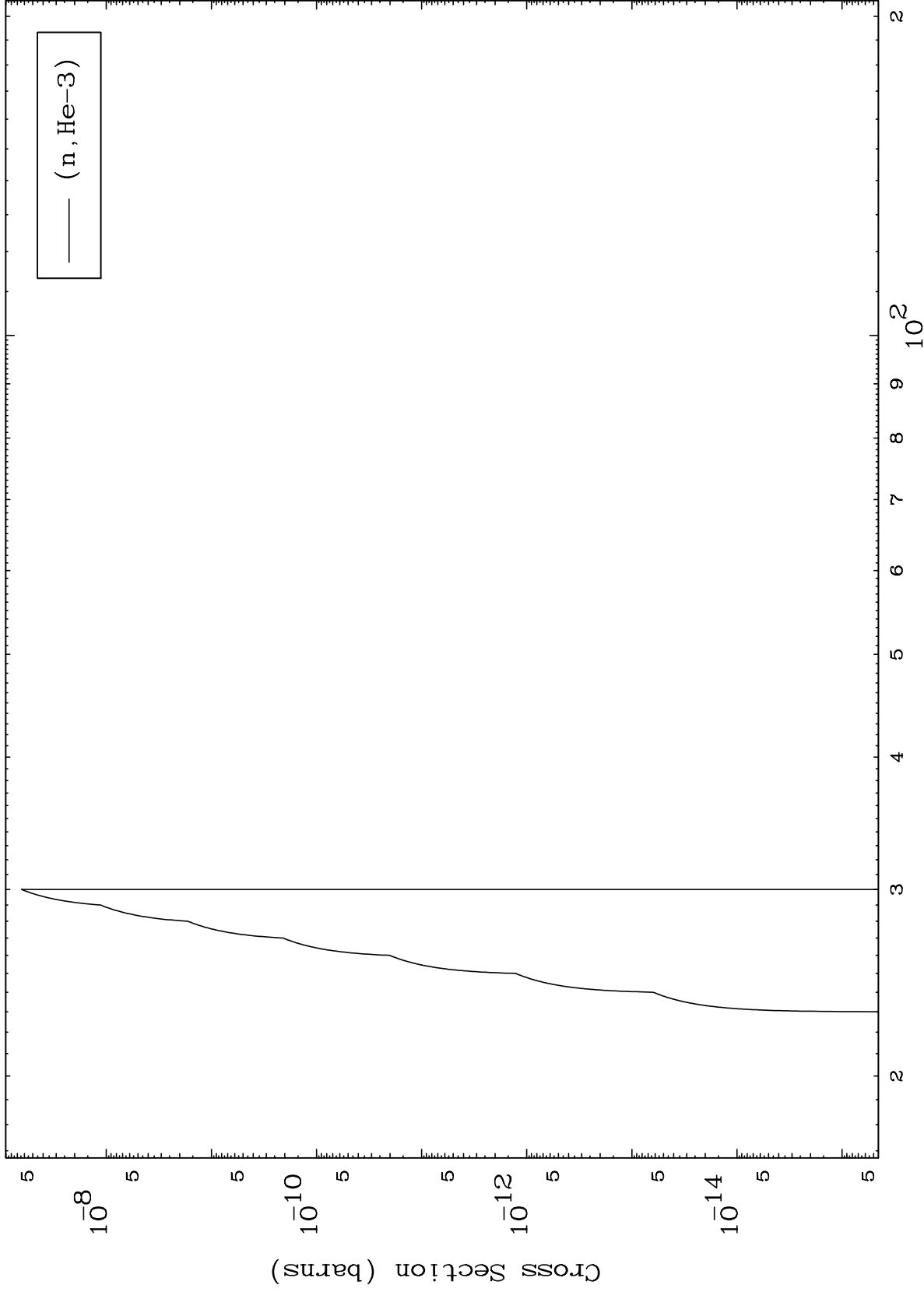
48-Cd-122



MAT 4873

(n,He3) Levels  
293 Kelvin Cross Sections

48-Cd-122



12

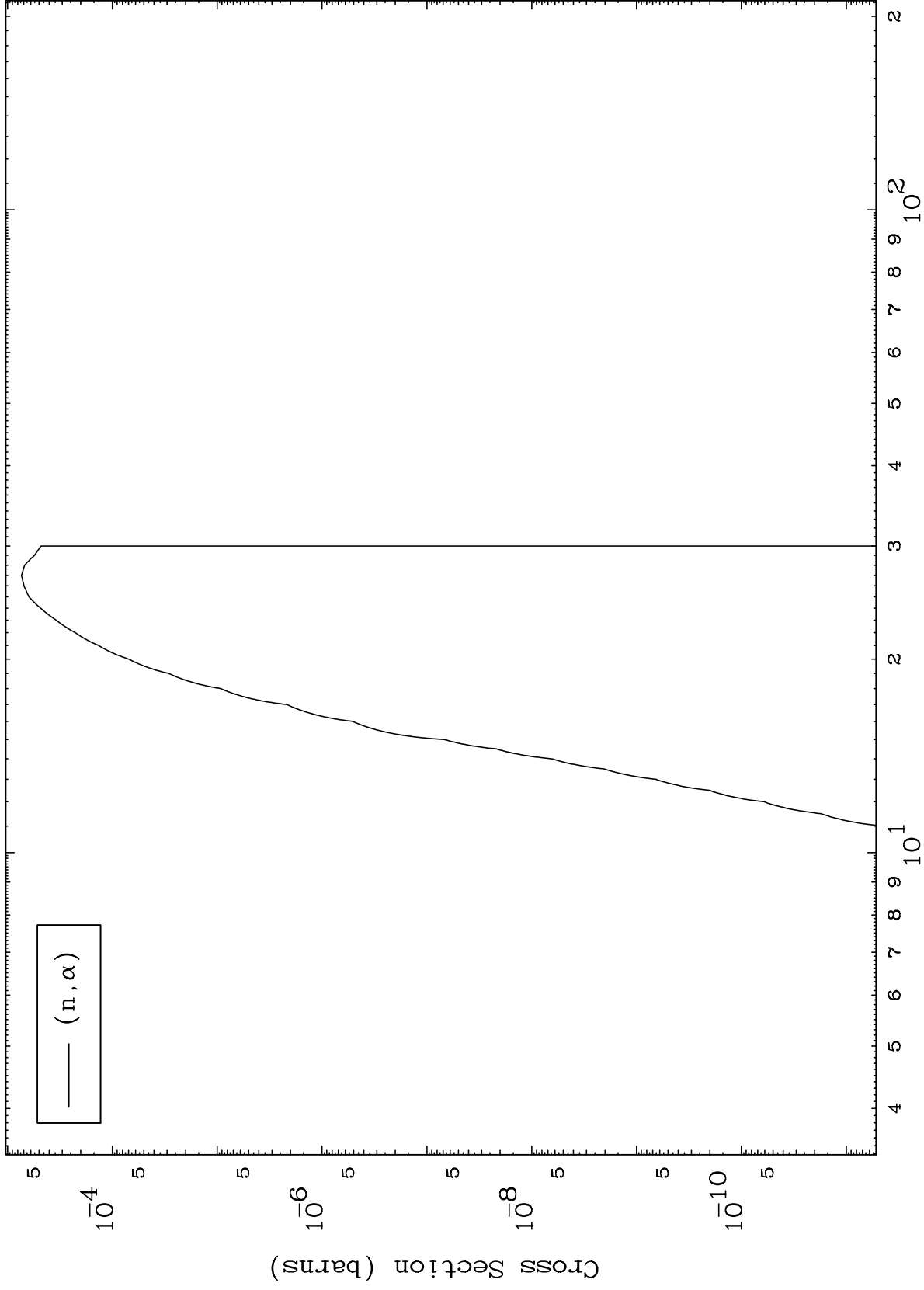
Incident Energy (MeV)

48-Cd-122

MAT 4873

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

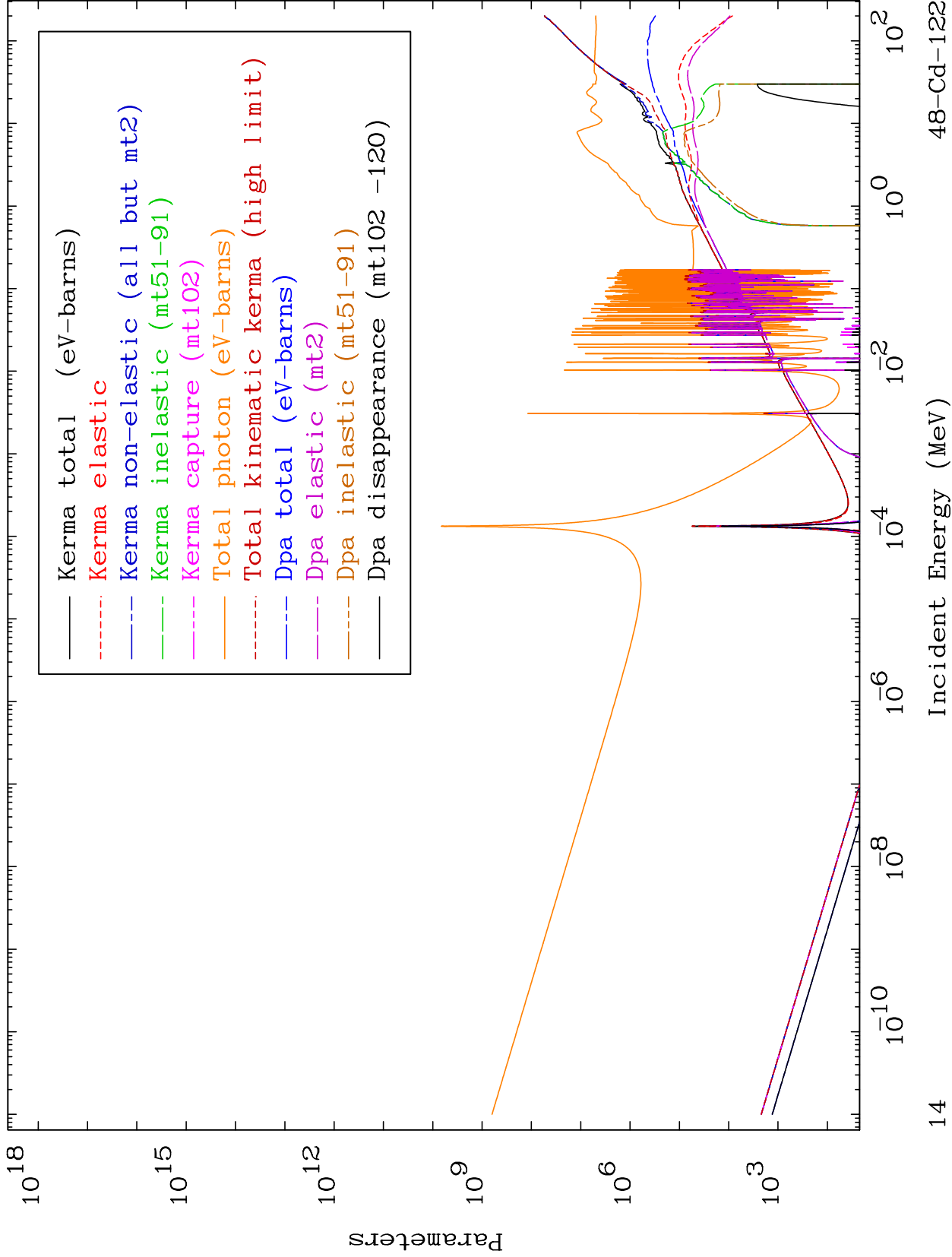
48-Cd-122



13

Incident Energy (MeV)

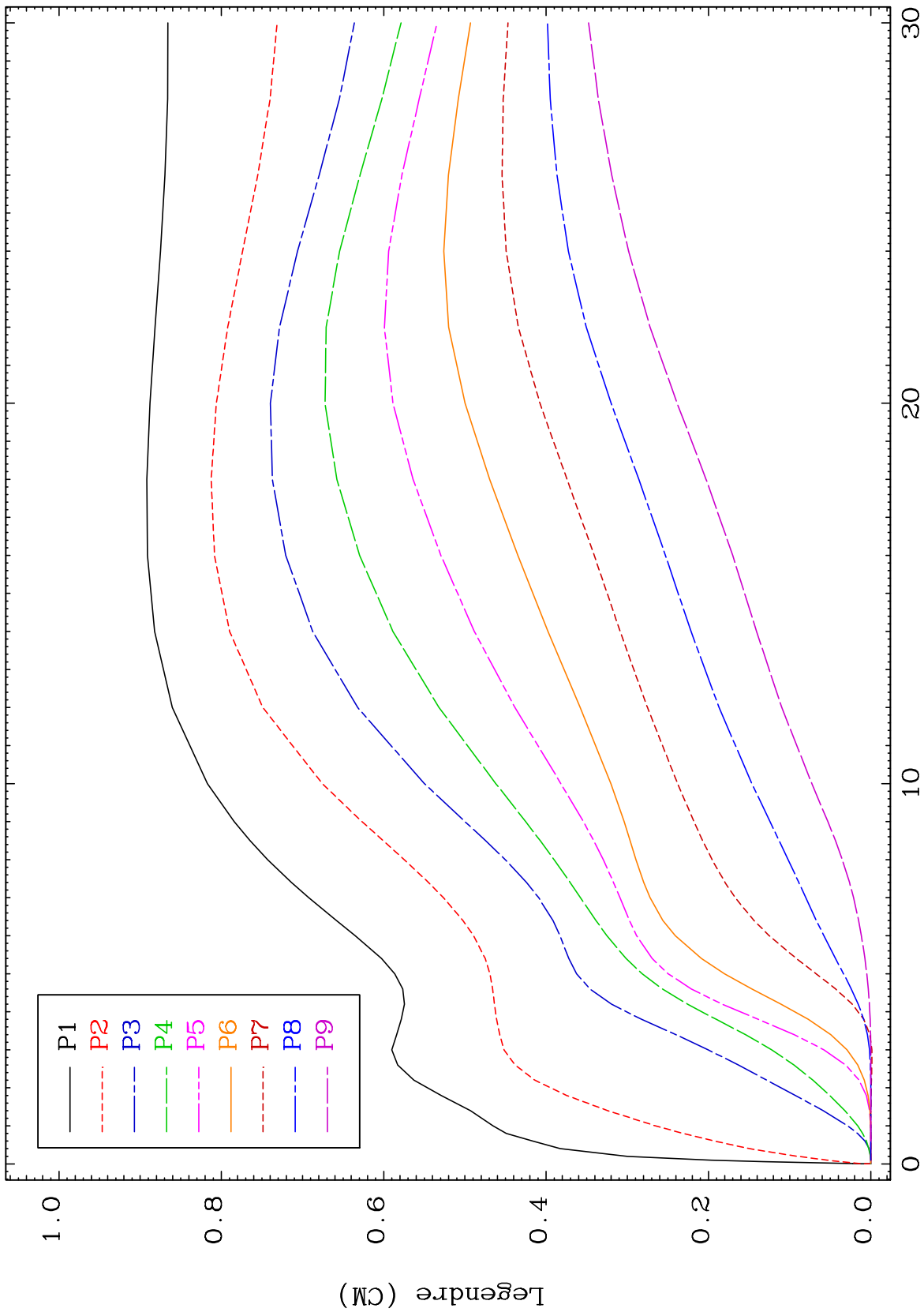
48-Cd-122



MAT 4873

Elastic Legendre Coefficients

48-Cd-122

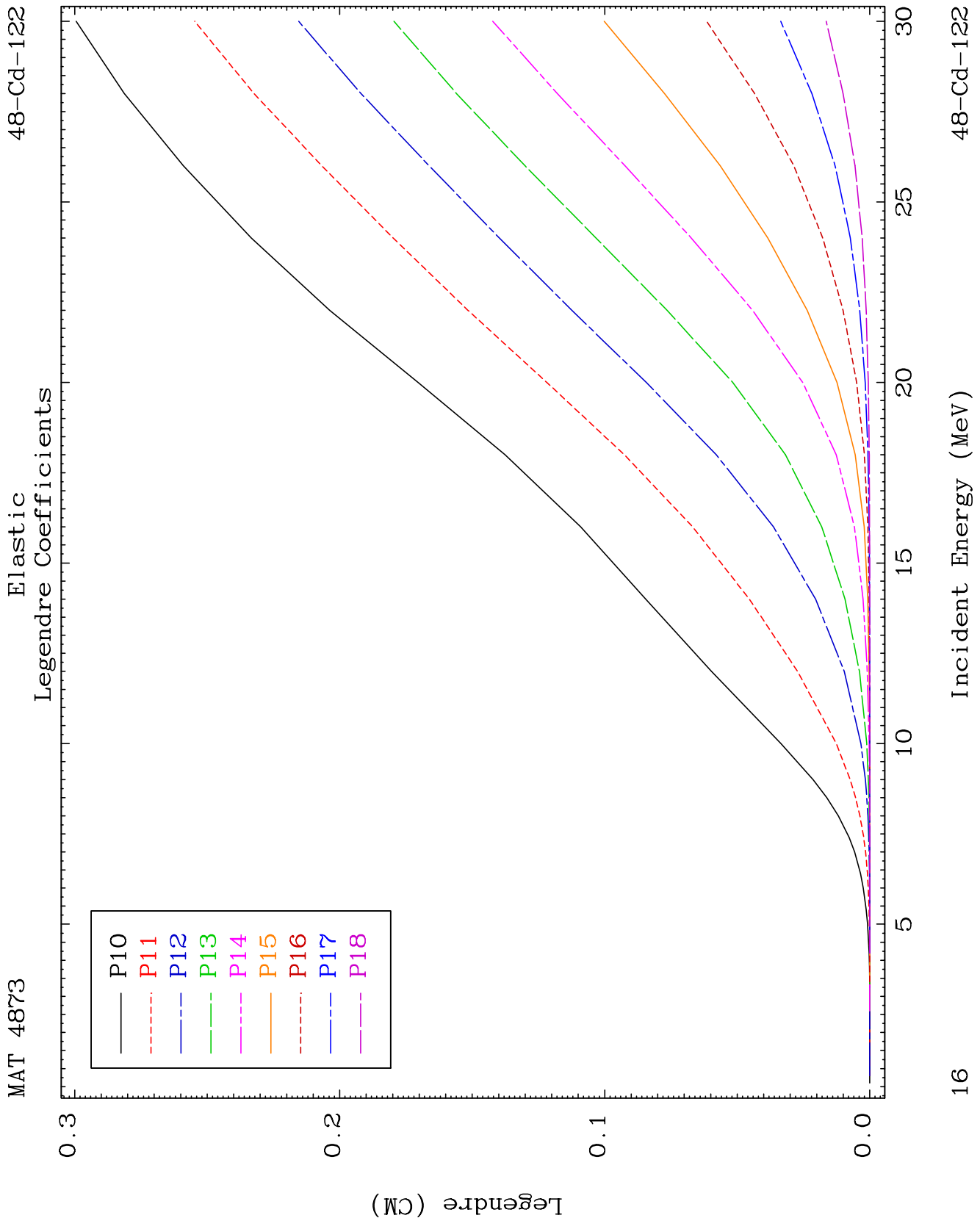


15

Incident Energy (MeV)

48-Cd-122

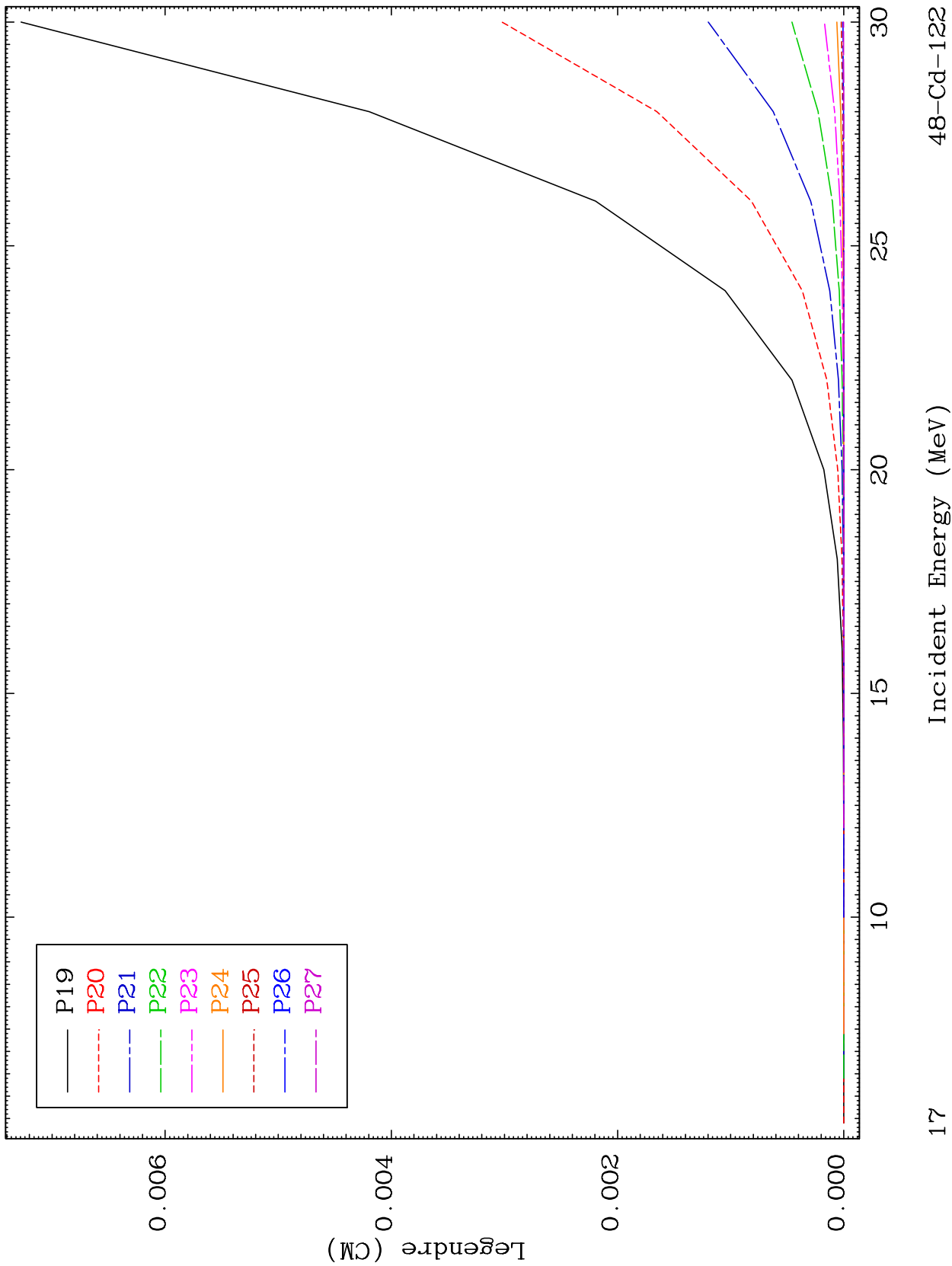




MAT 4873

### Elastic Legendre Coefficients

48-Cd-122



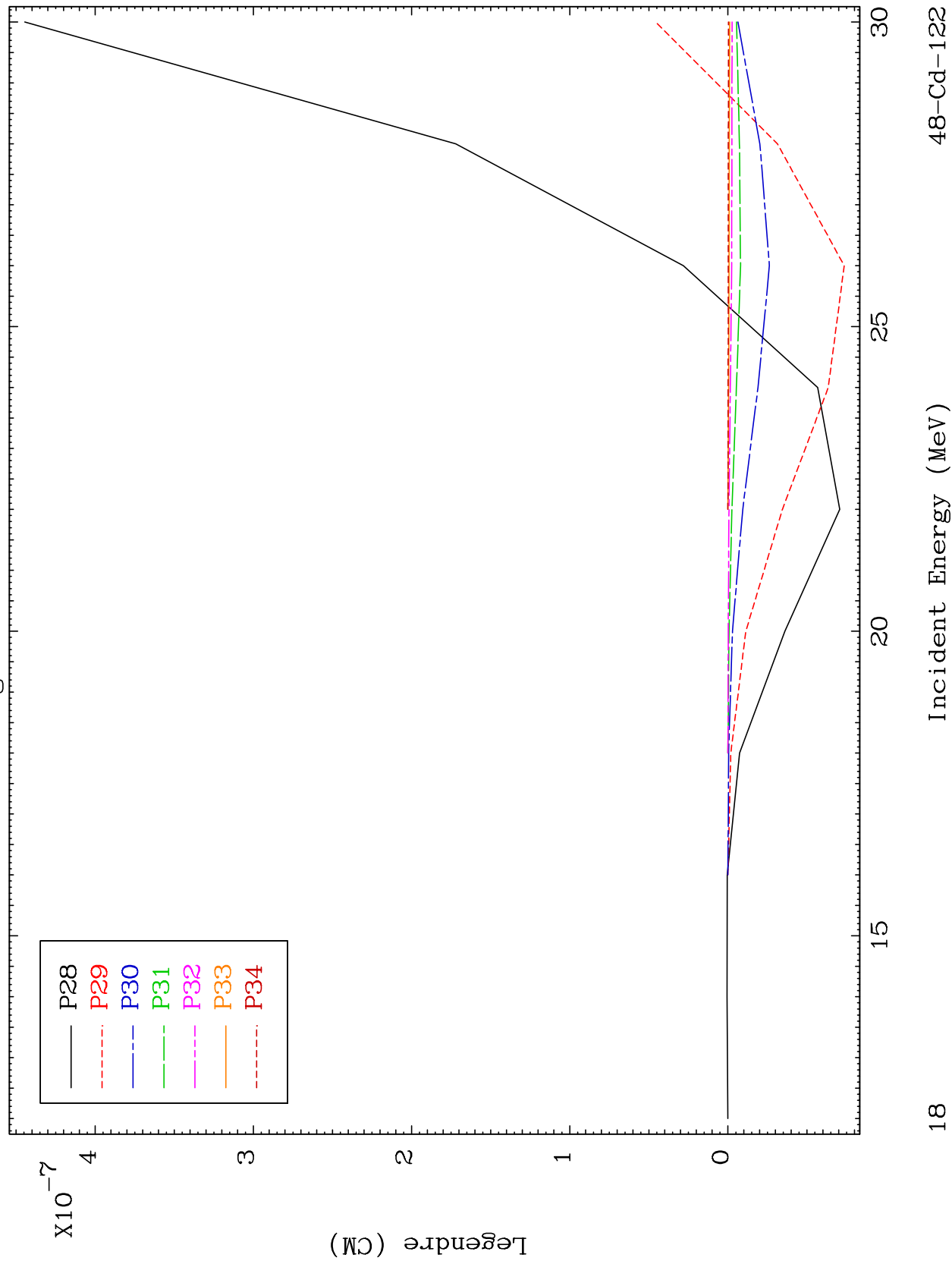
17

48-Cd-122

MAT 4873

Elastic Legendre Coefficients

48-Cd-122



18

Incident Energy (MeV)

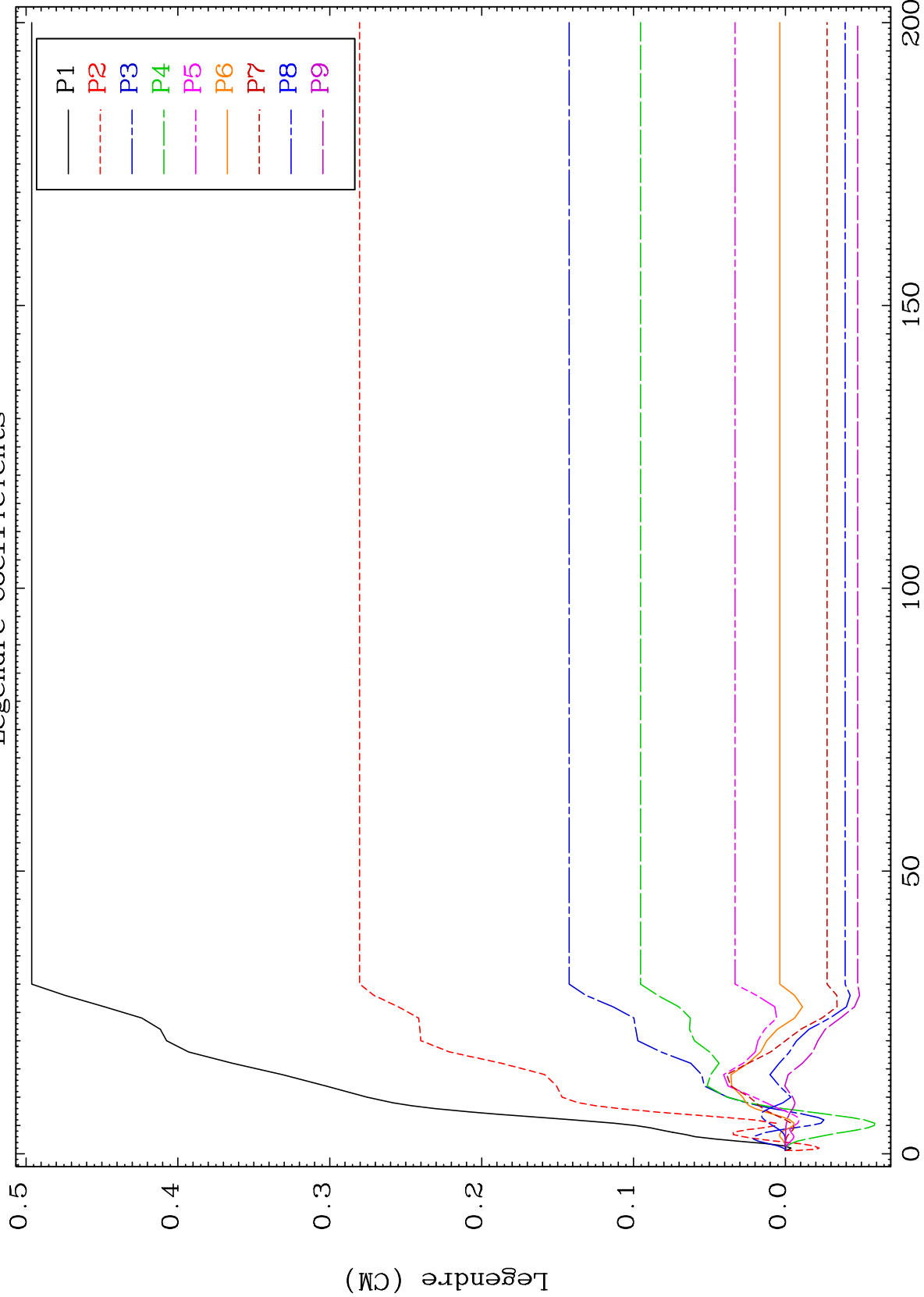
48-Cd-122

MAT 4873

MT= 51 (n,n') Level

48-Cd-122

Legendre Coefficients



19

Incident Energy (MeV)

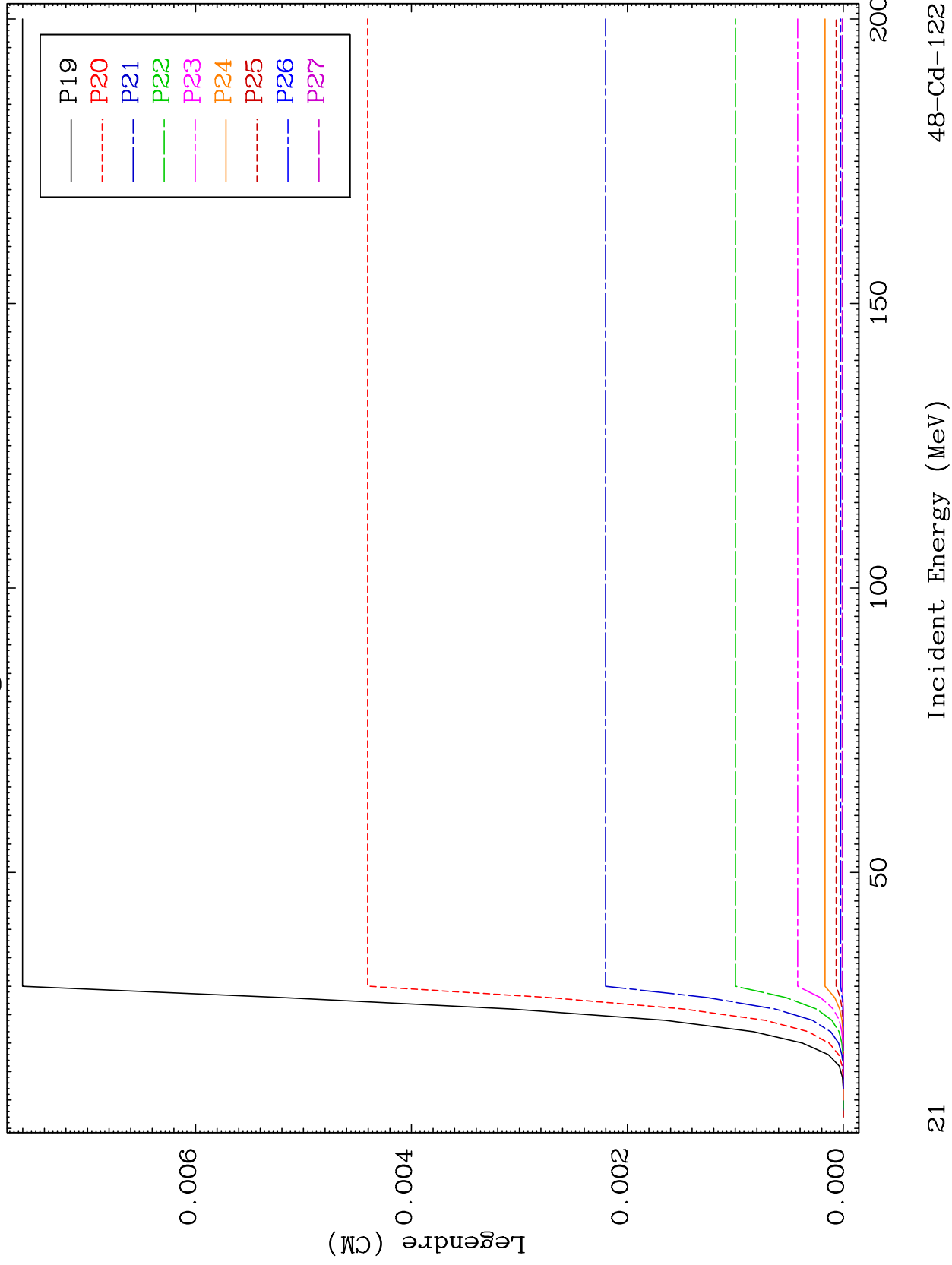
48-Cd-122



MAT 4873

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

48-Cd-122



21

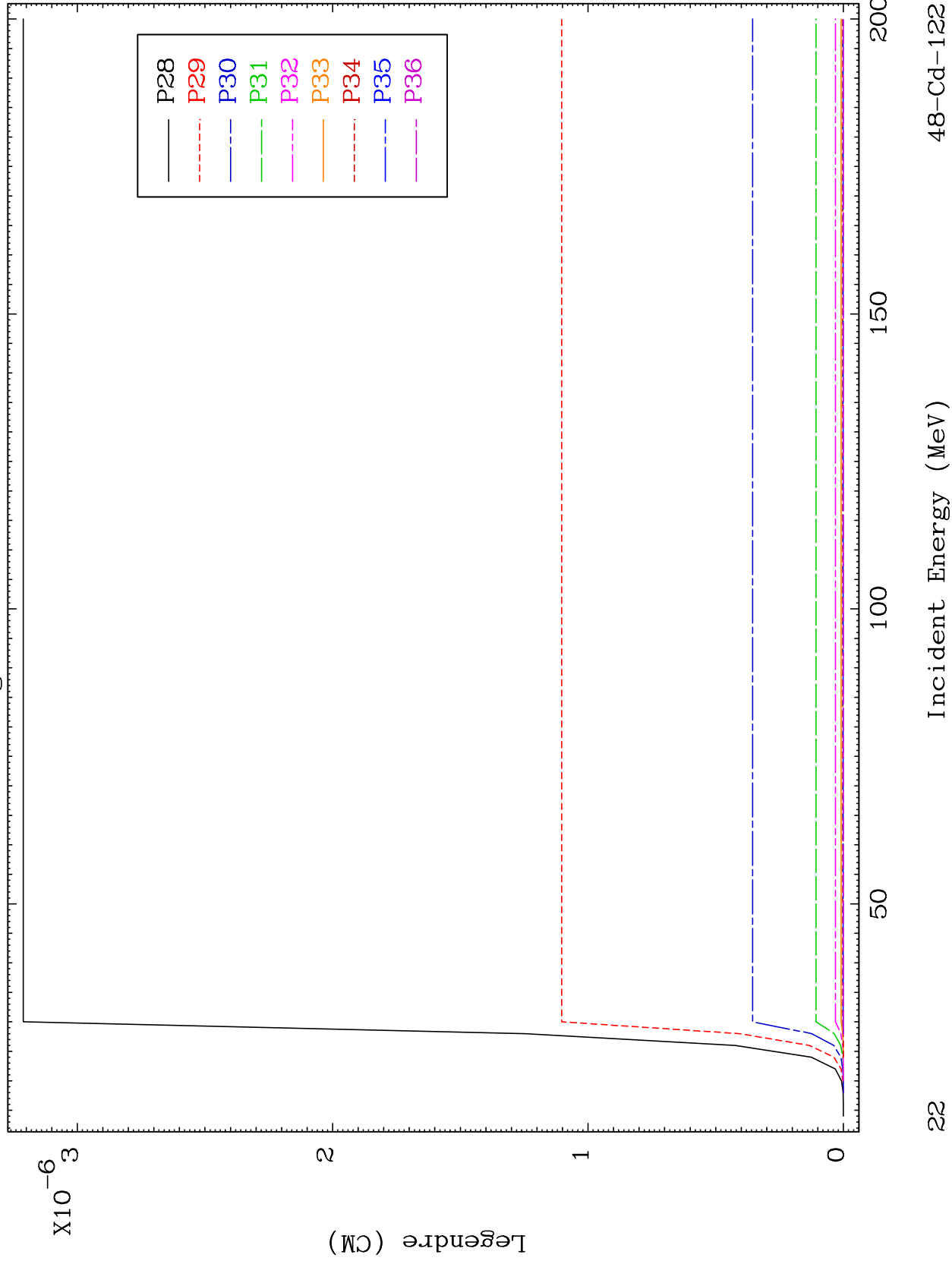
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

48-Cd-122



22

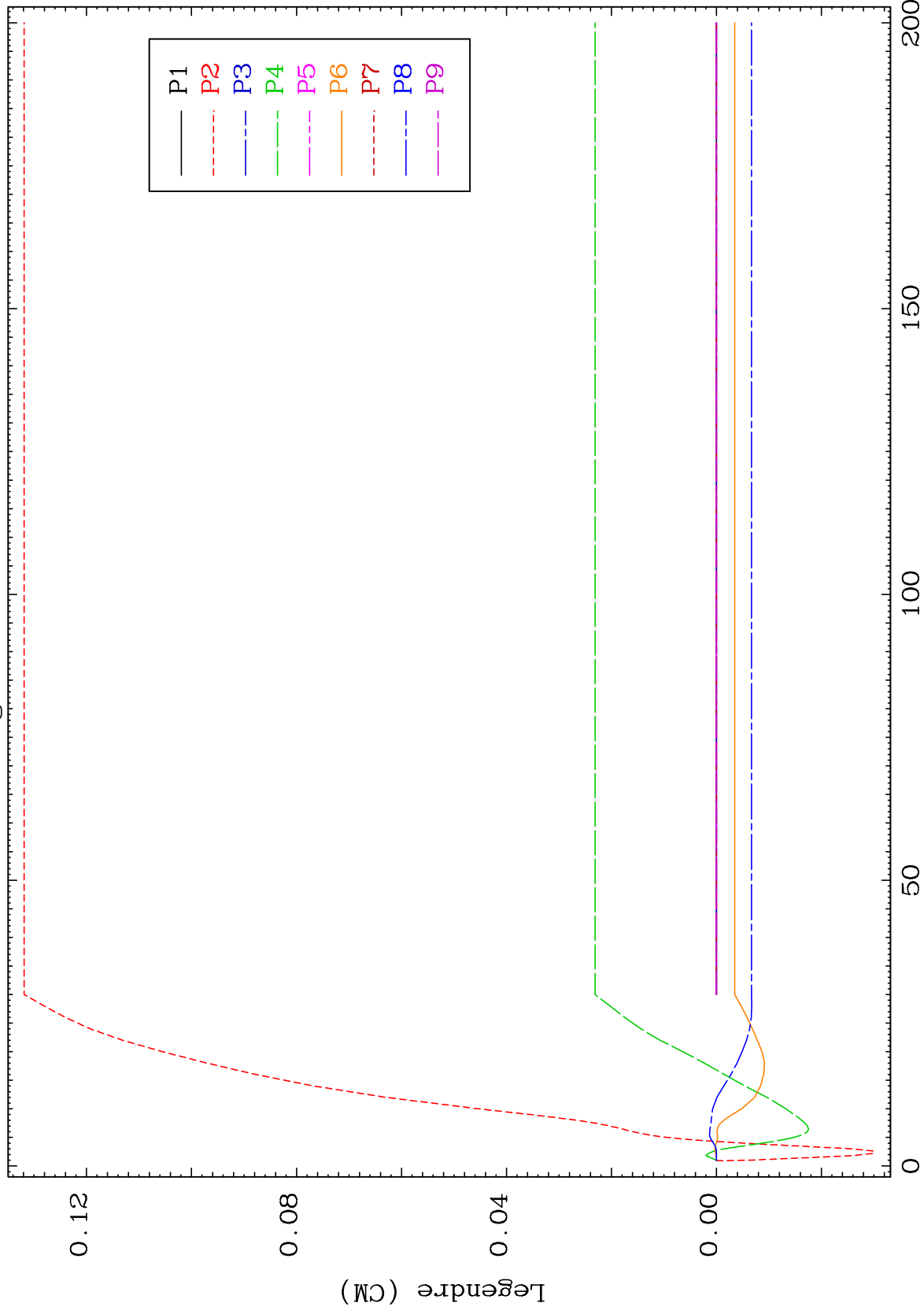
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

48-Cd-122



23

Incident Energy (MeV)

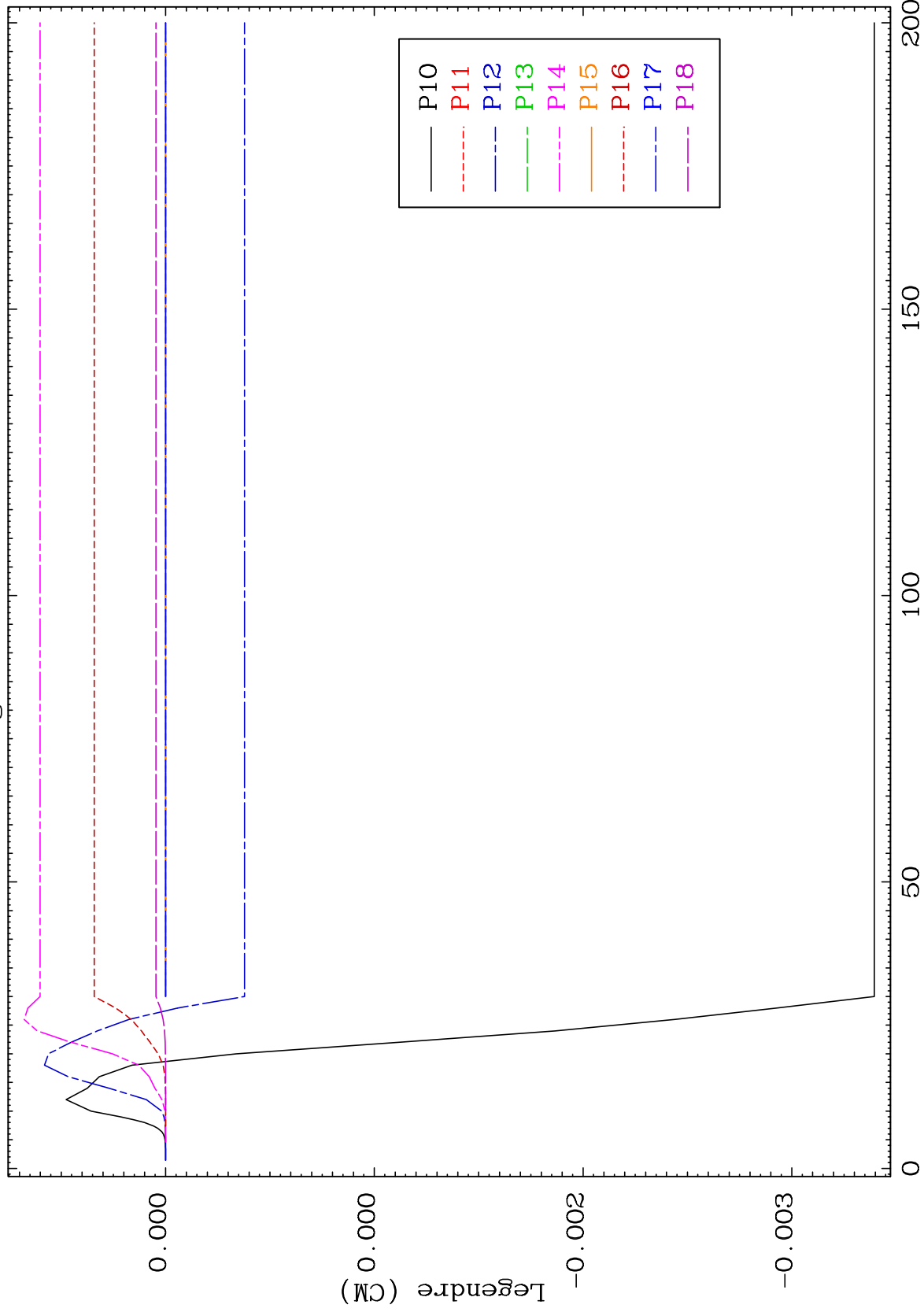
48-Cd-122



MAT 4873

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

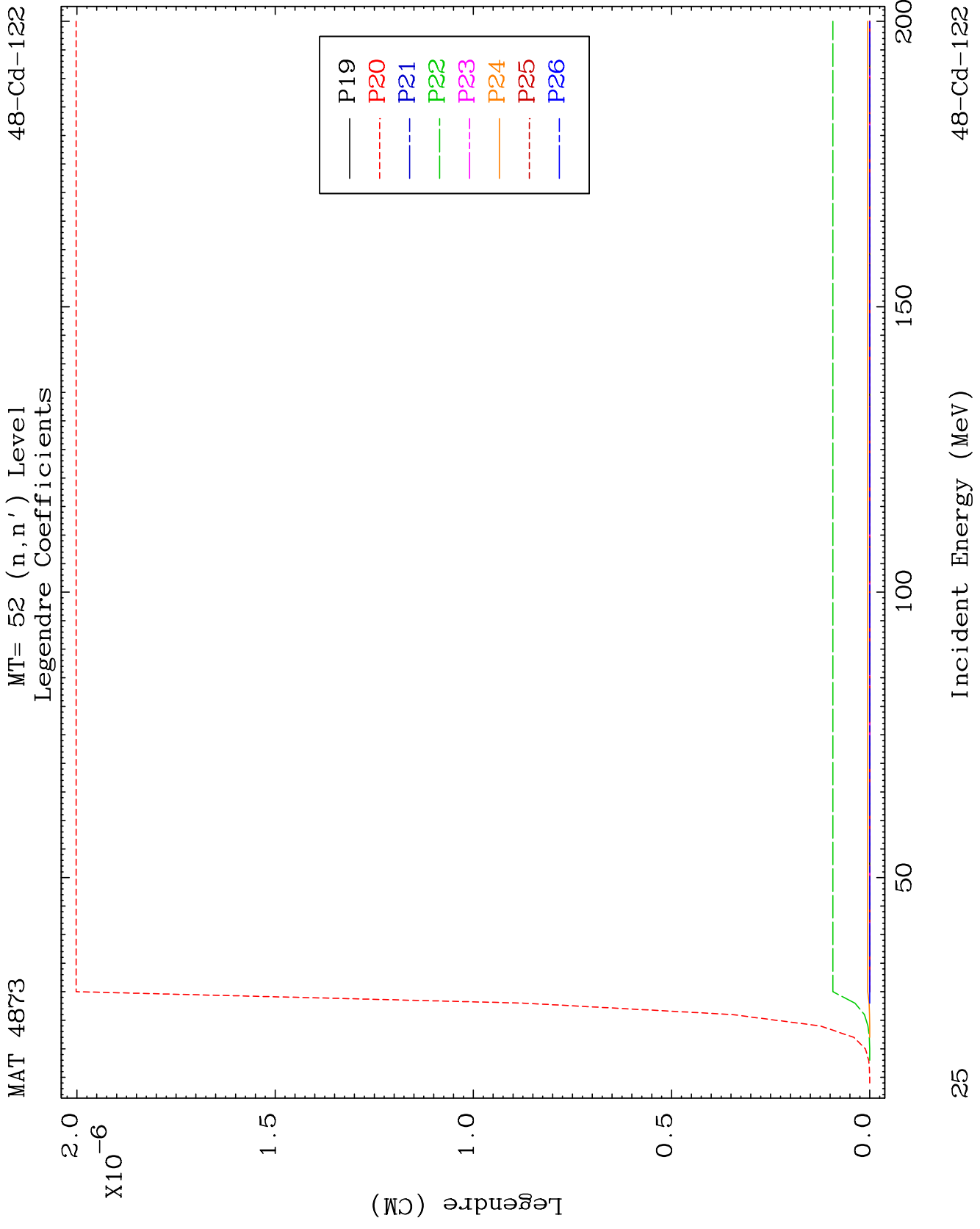
48-Cd-122



24

Incident Energy (MeV)

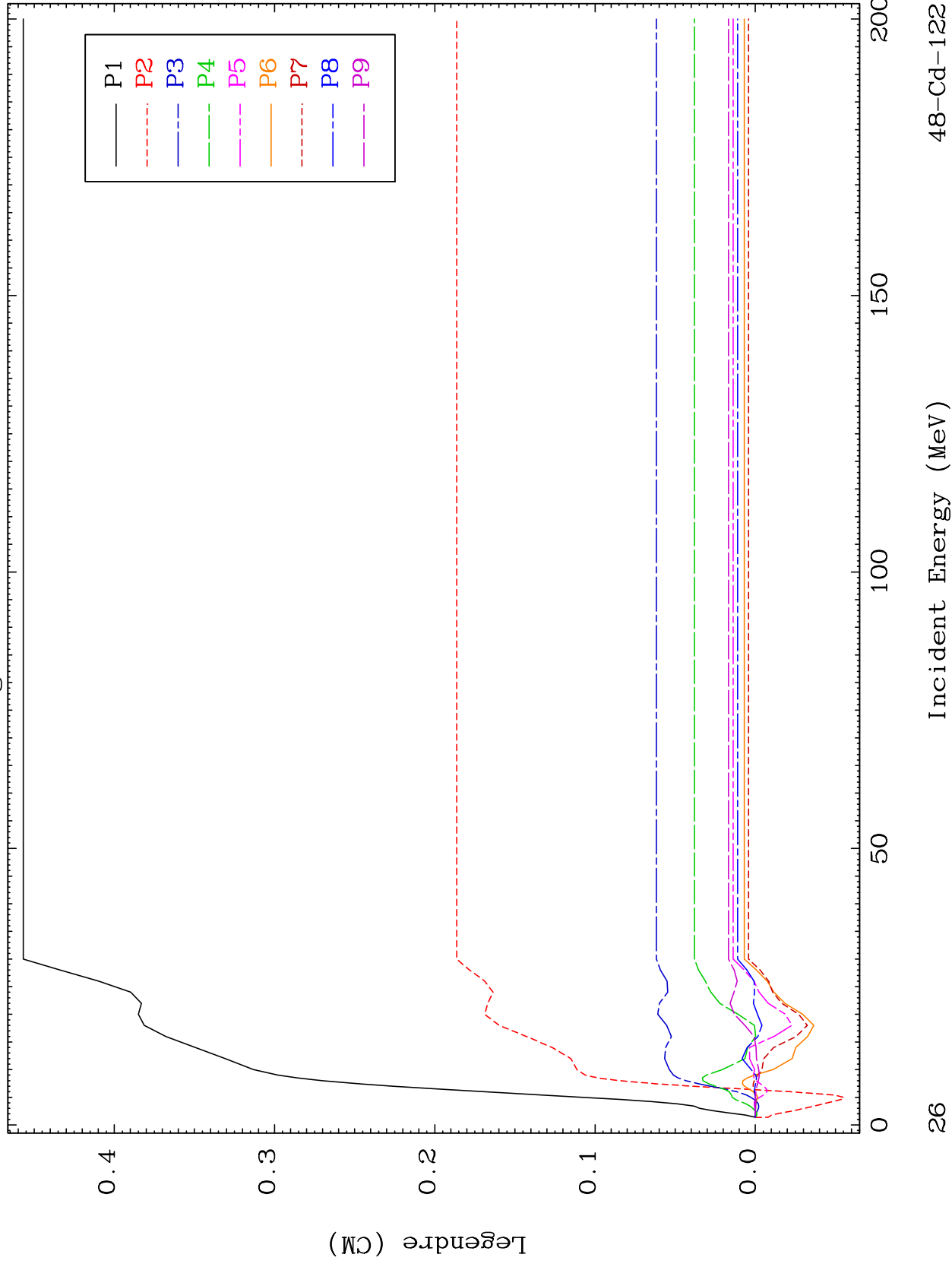
48-Cd-122



MAT 4873

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

48-Cd-122



48-Cd-122

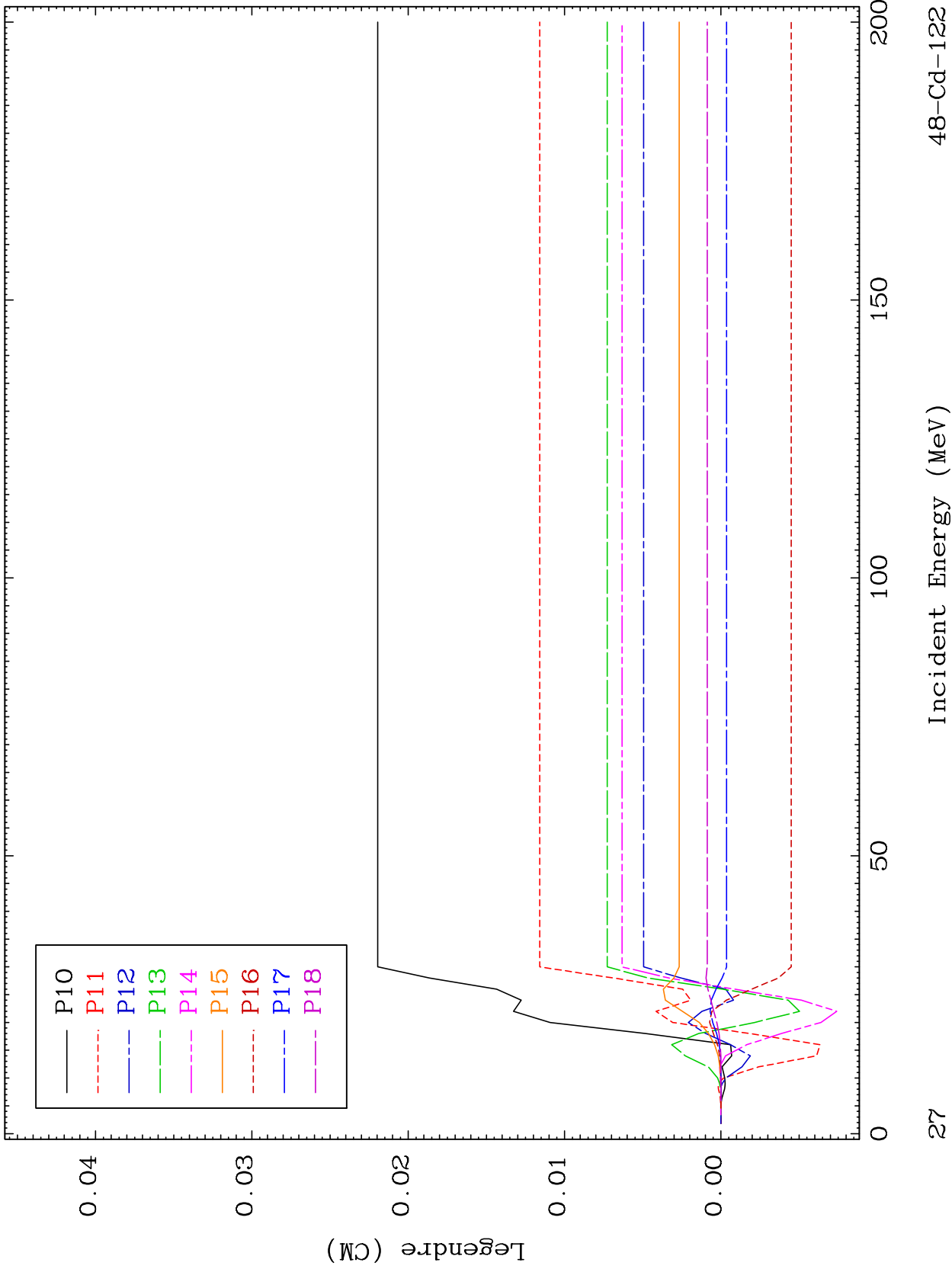
Incident Energy (MeV)

26

MAT 4873

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

48-Cd-122



27

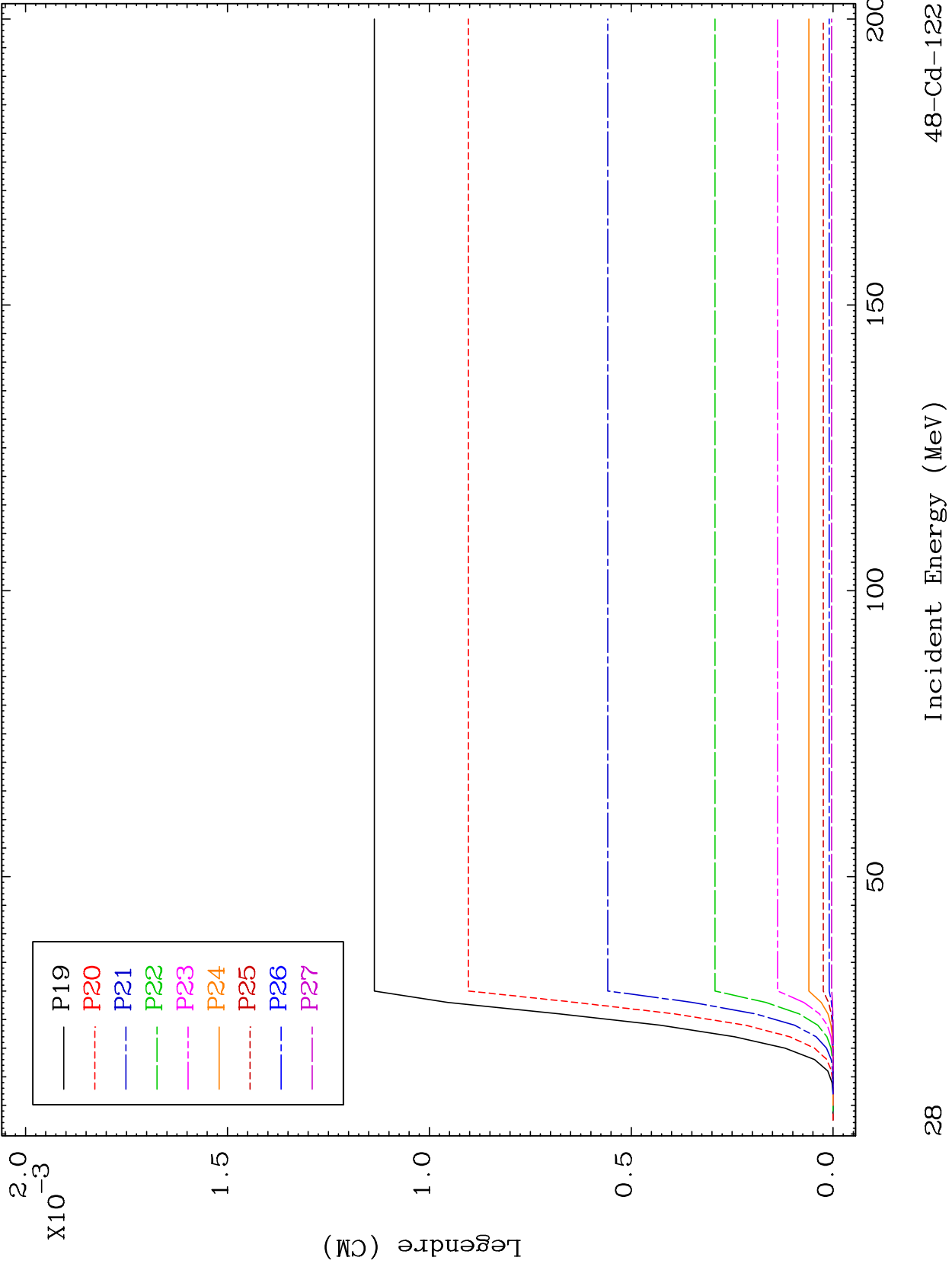
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

48-Cd-122



28

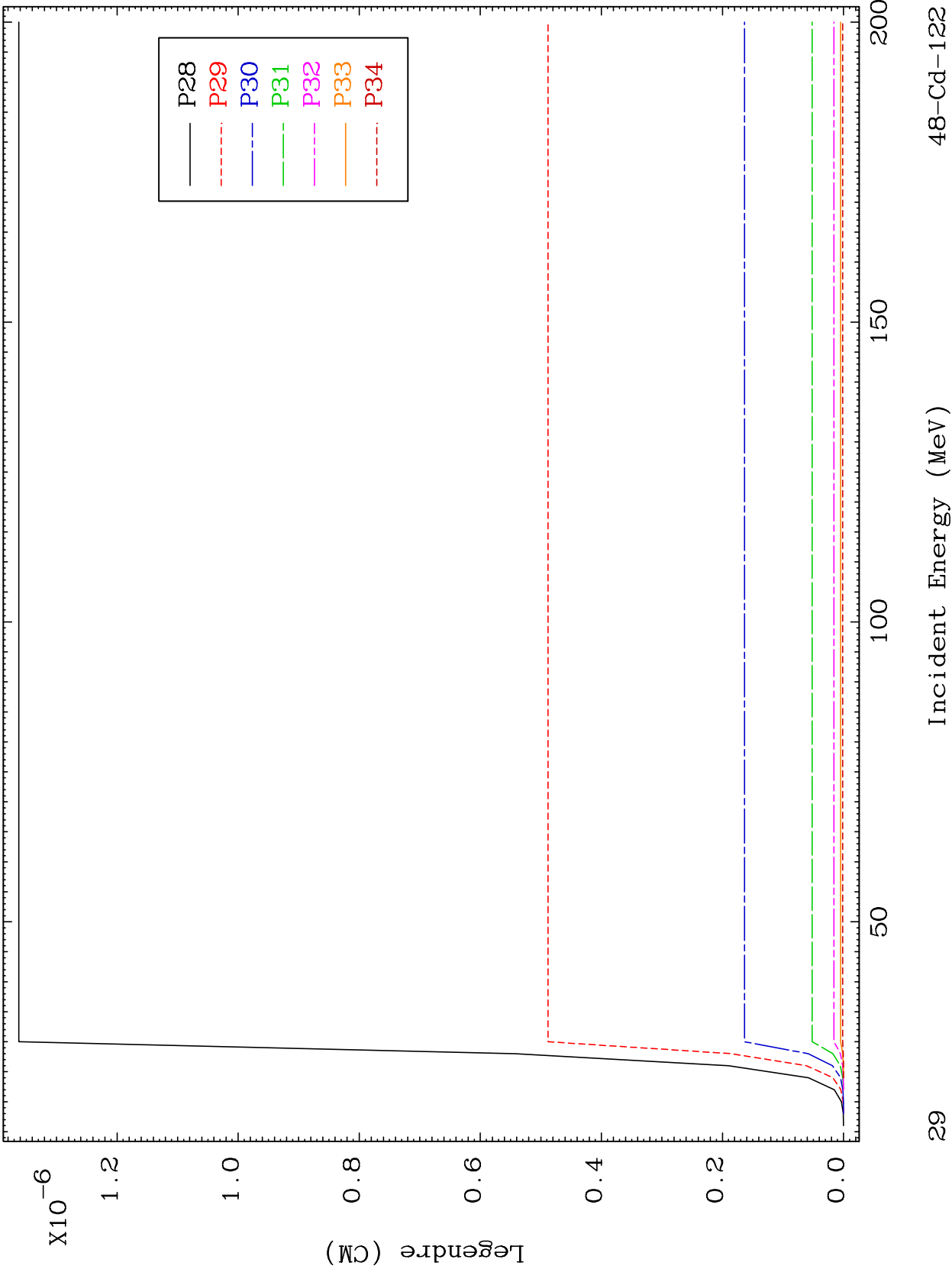
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

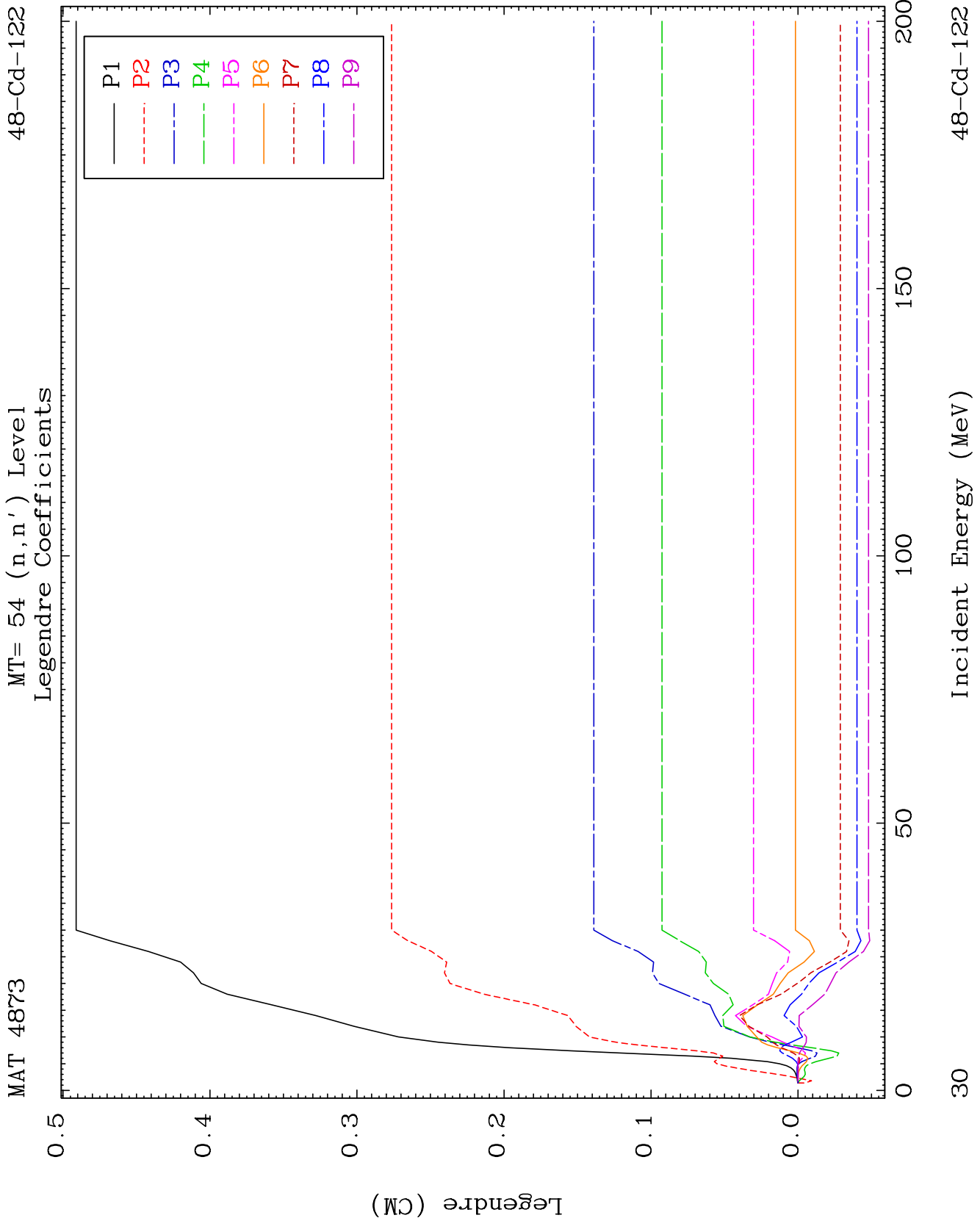
48-Cd-122



29

Incident Energy (MeV)

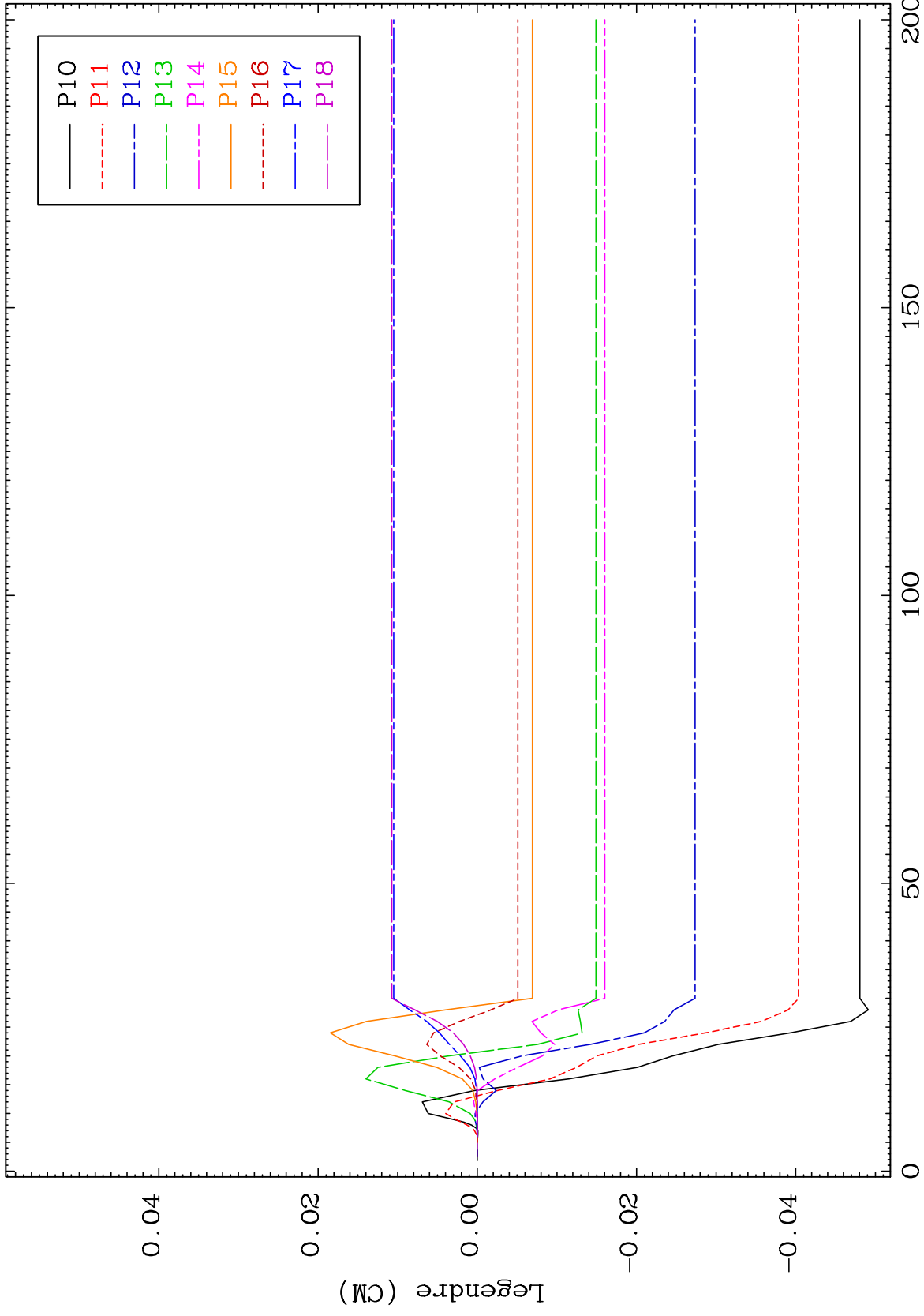
48-Cd-122



MAT 4873

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

48-Cd-122



31

Incident Energy (MeV)

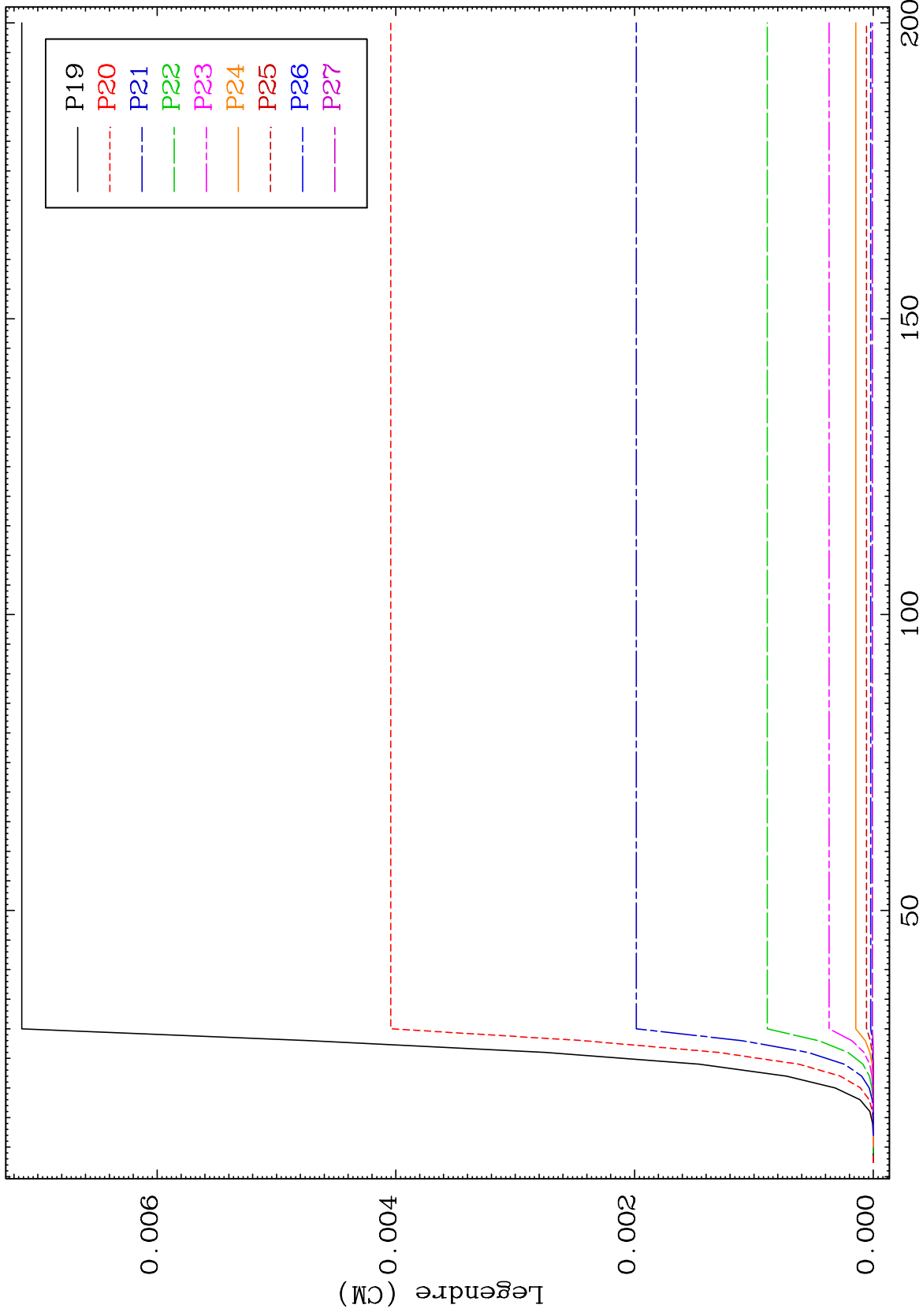
48-Cd-122



MAT 4873

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

48-Cd-122



32

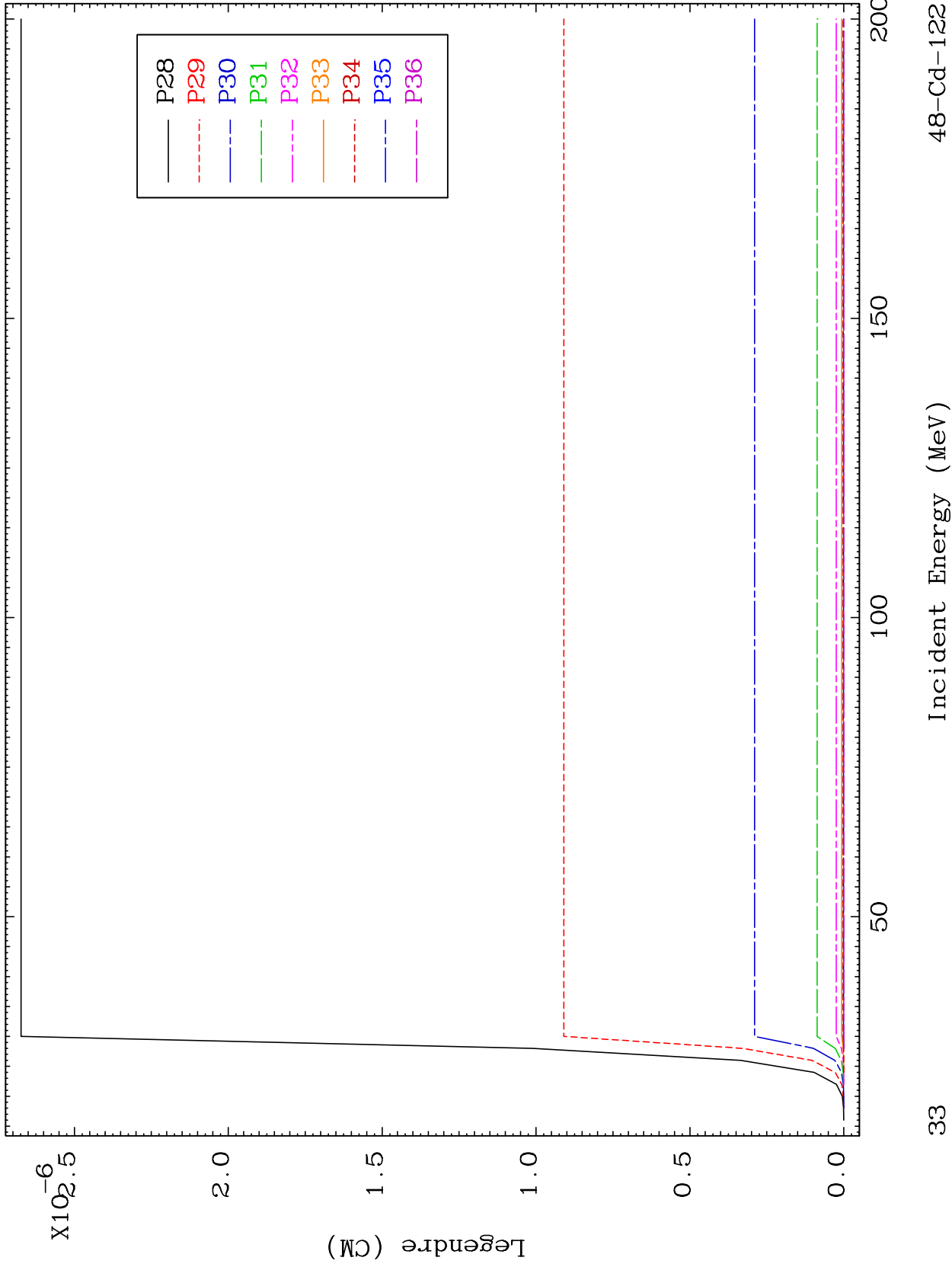
Incident Energy (MeV)

48-Cd-122

MAT 4873

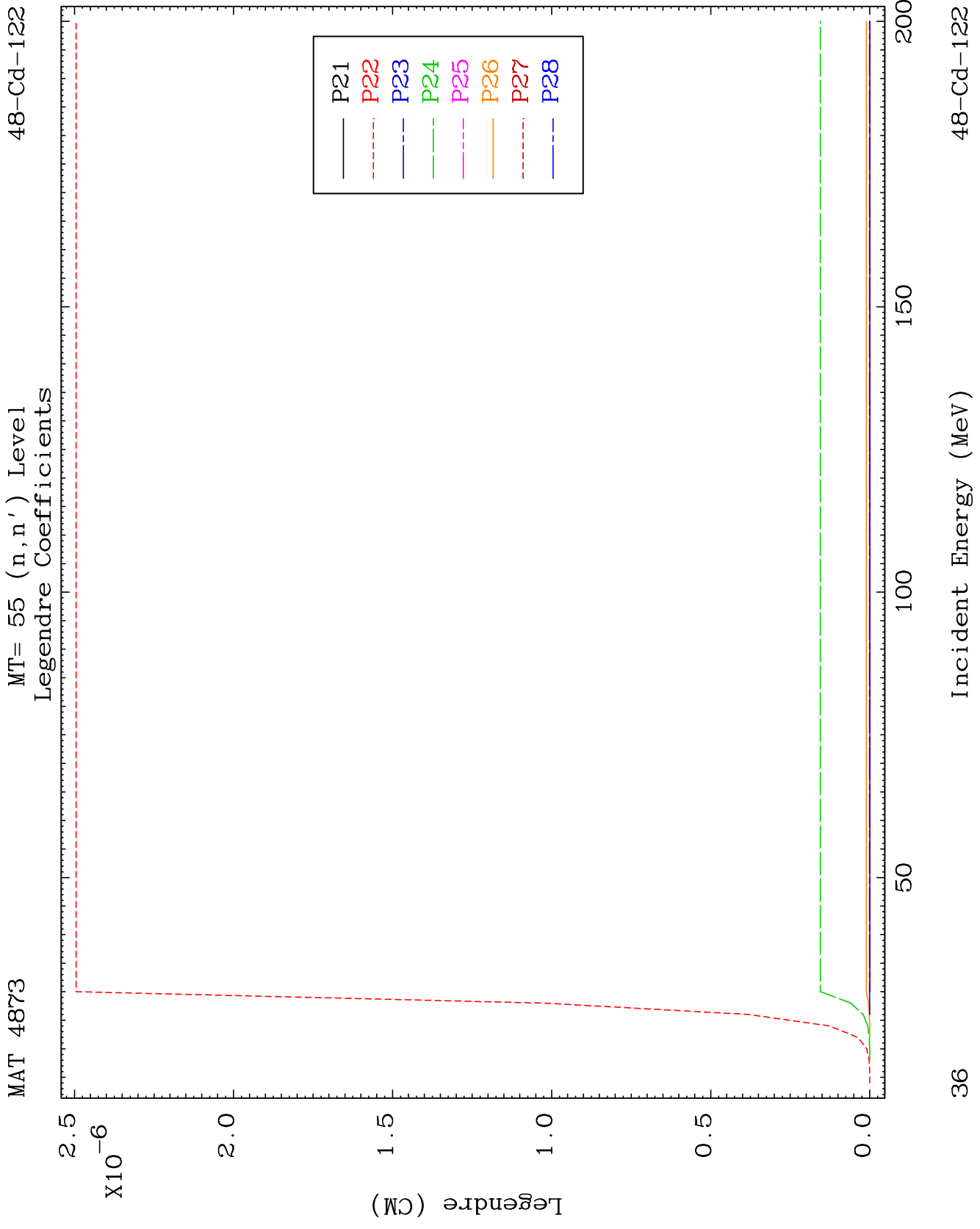
MT= 54 (n,n') Level  
Legendre Coefficients

48-Cd-122





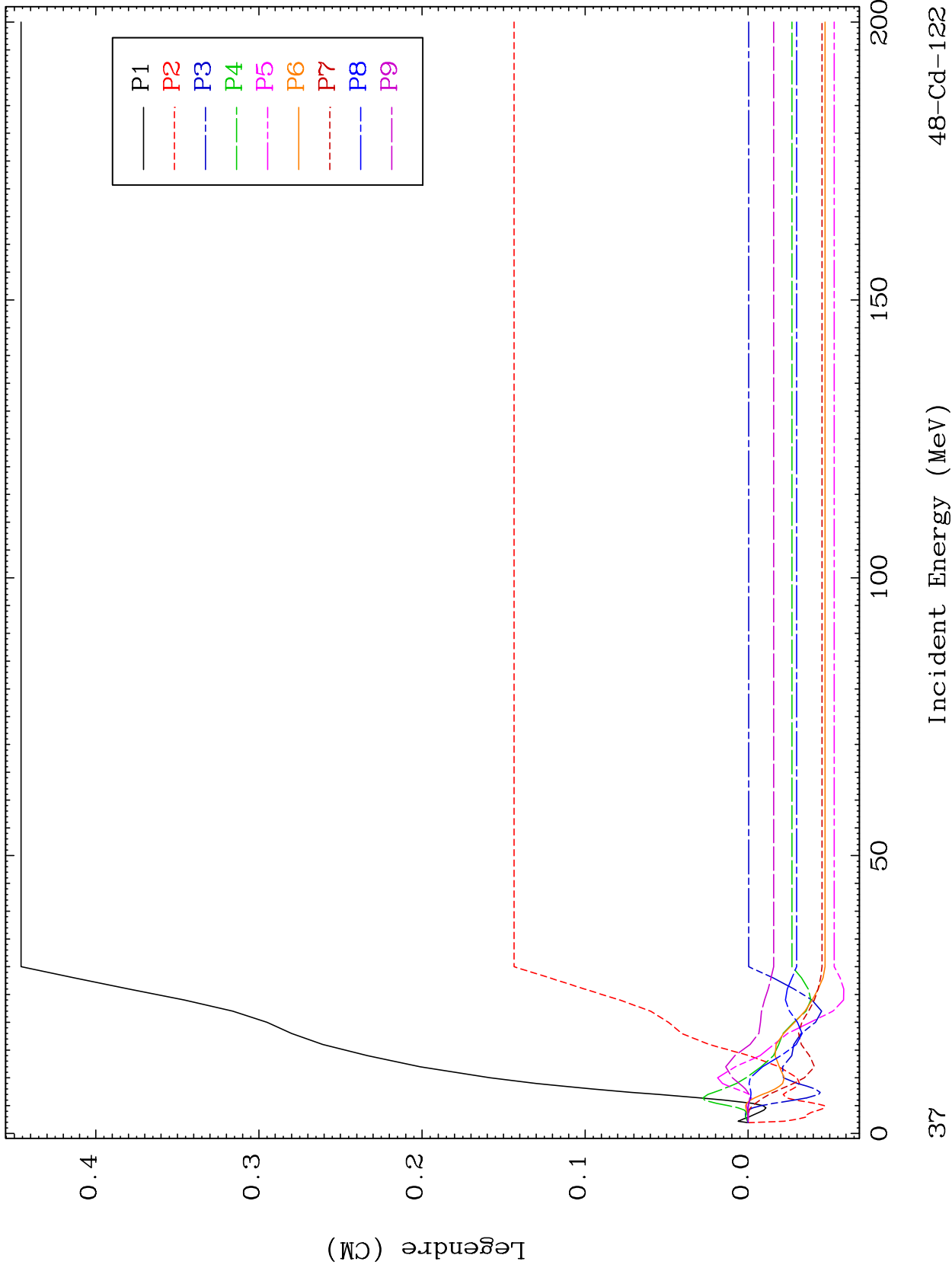




MAT 4873

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

48-Cd-122



48-Cd-122

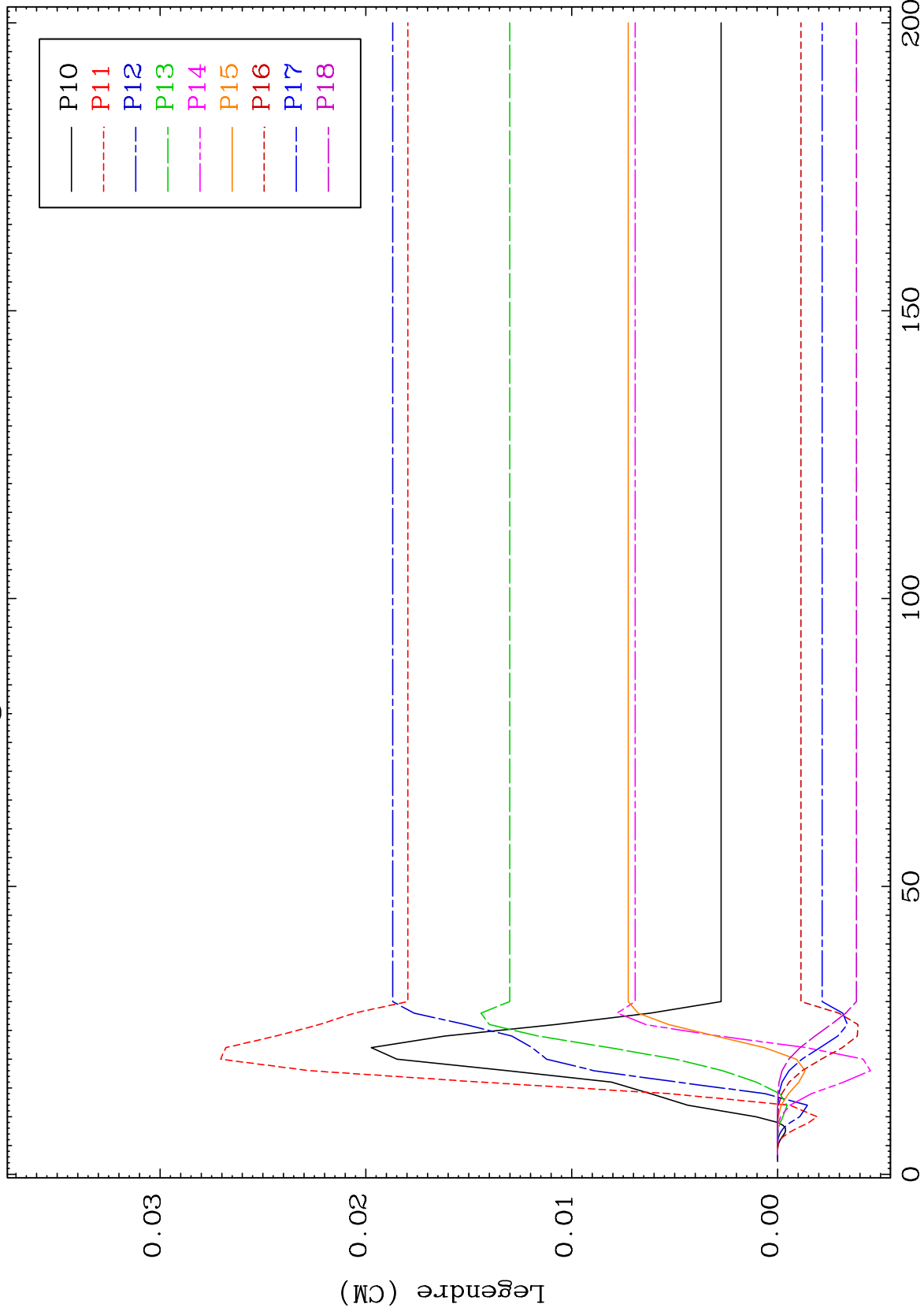
Incident Energy (MeV)

37

MAT 4873

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

48-Cd-122



Incident Energy (MeV)

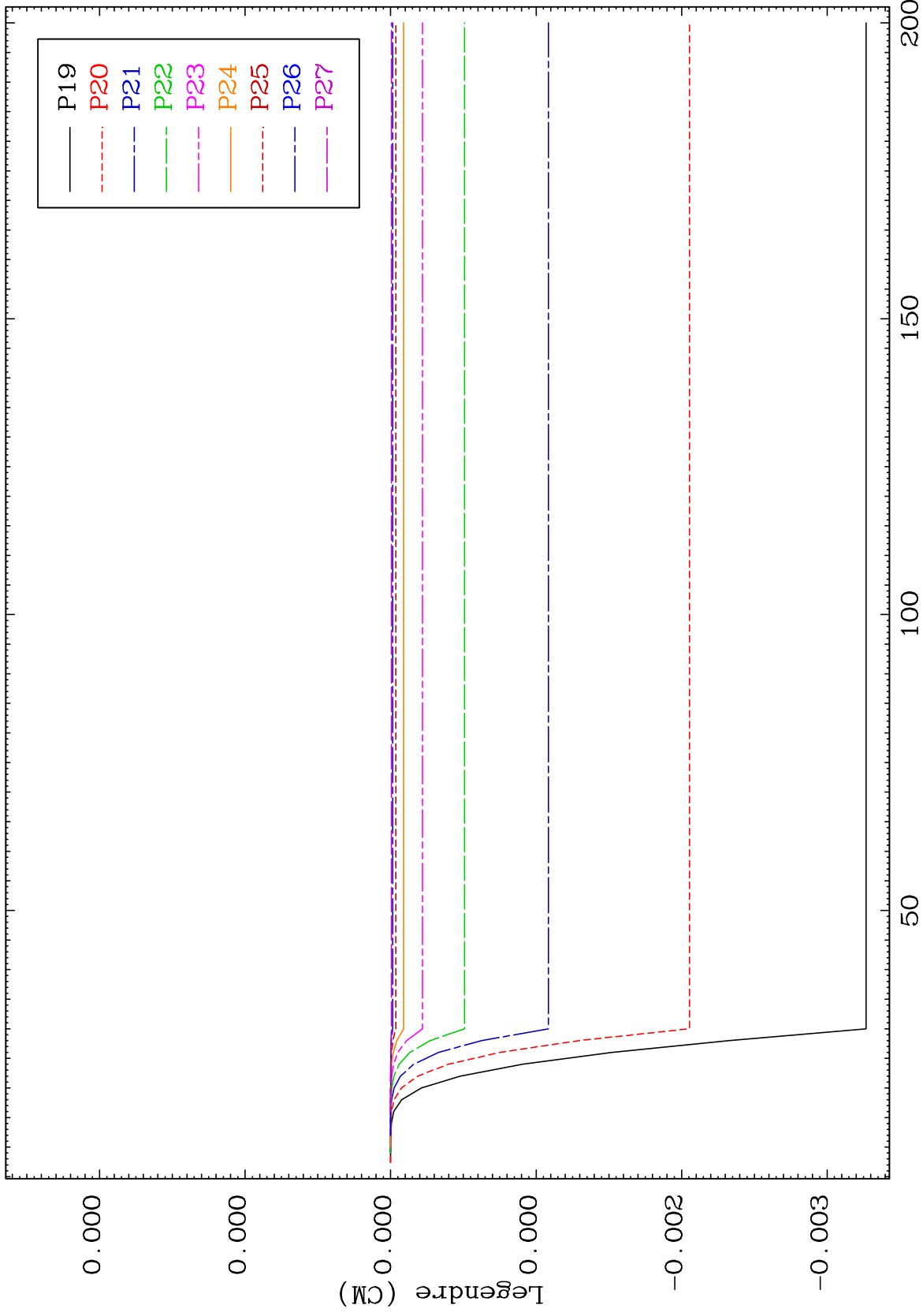
48-Cd-122

38

MAT 4873

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

48-Cd-122

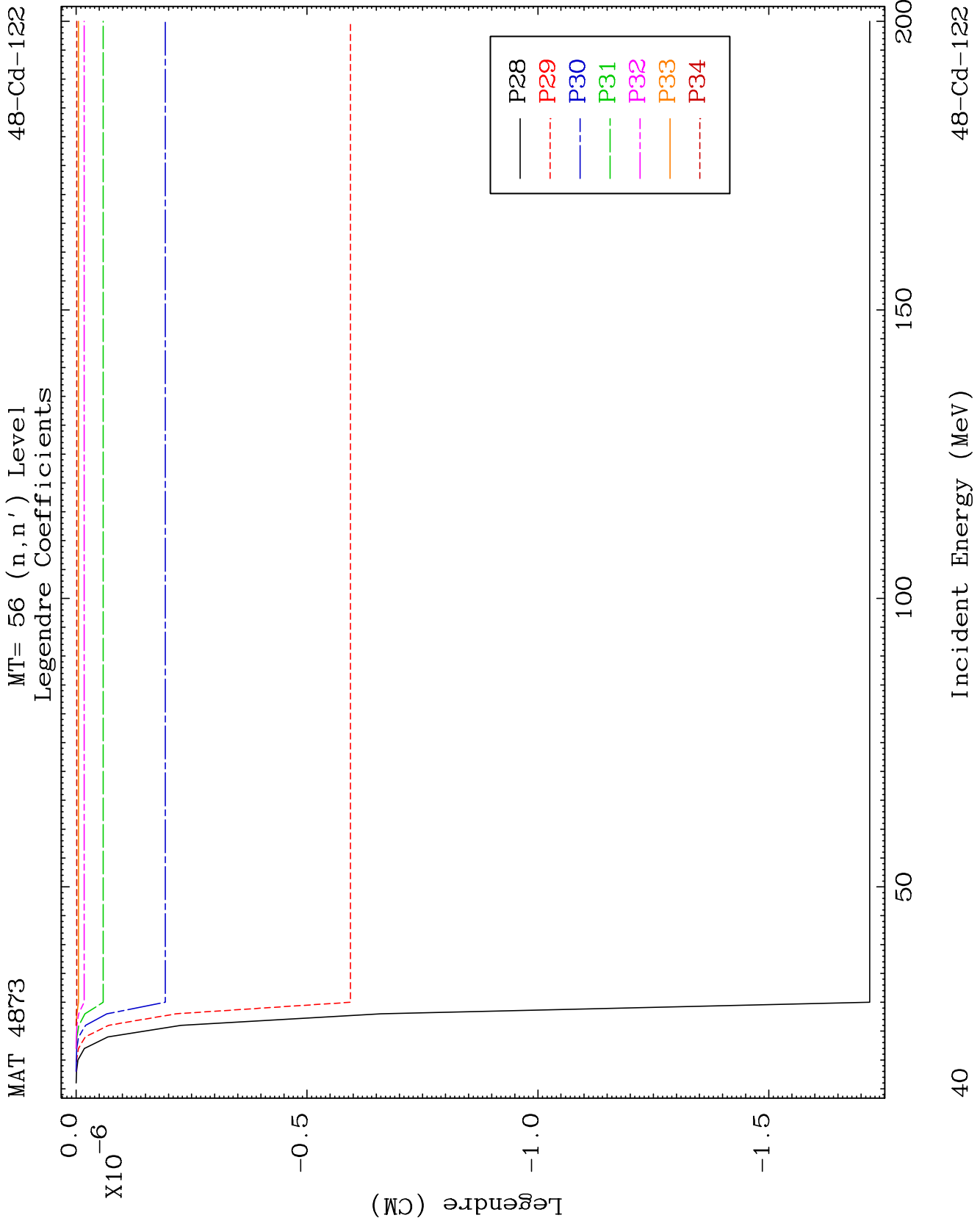


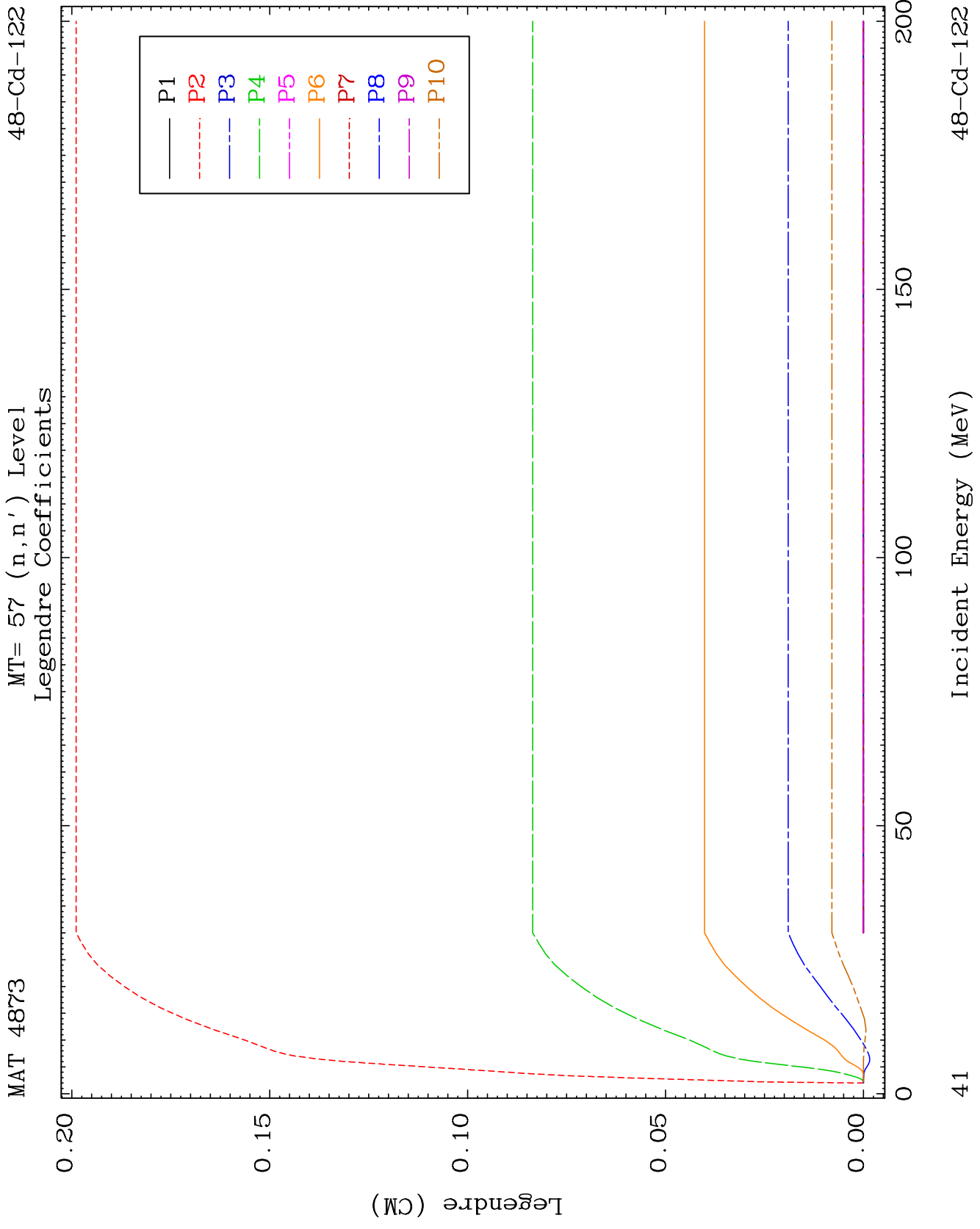
39

Incident Energy (MeV)

48-Cd-122





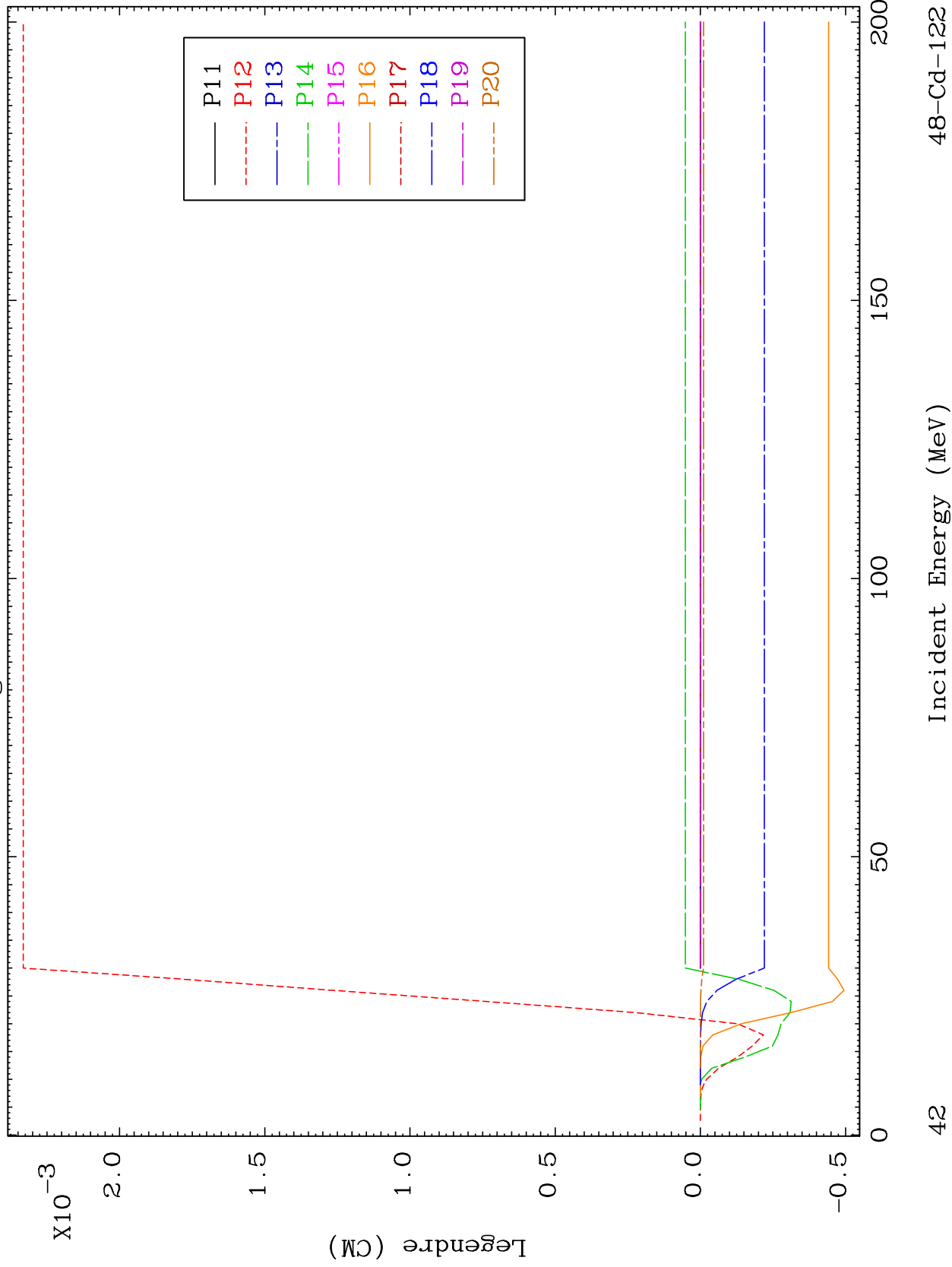


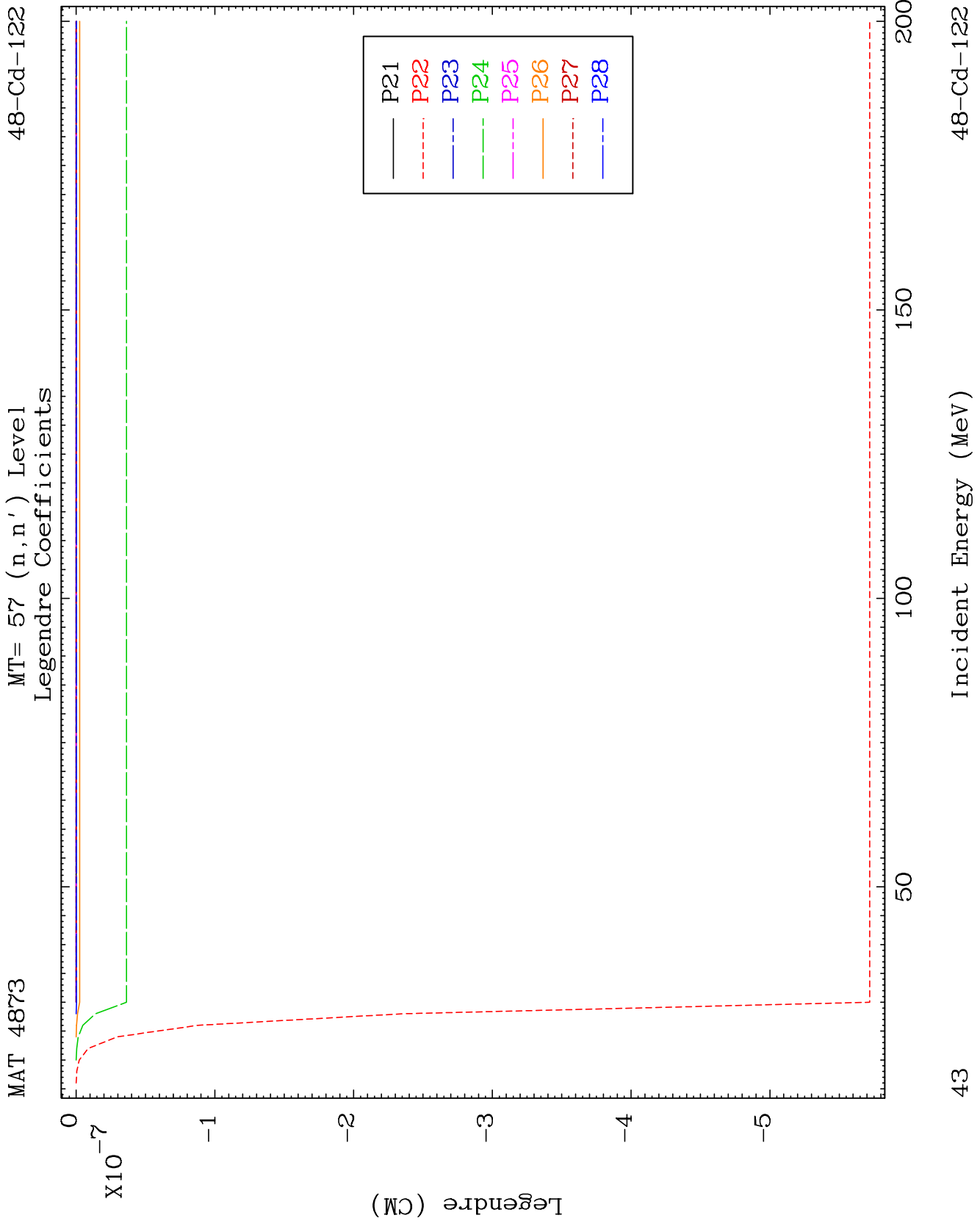
MAT 4873

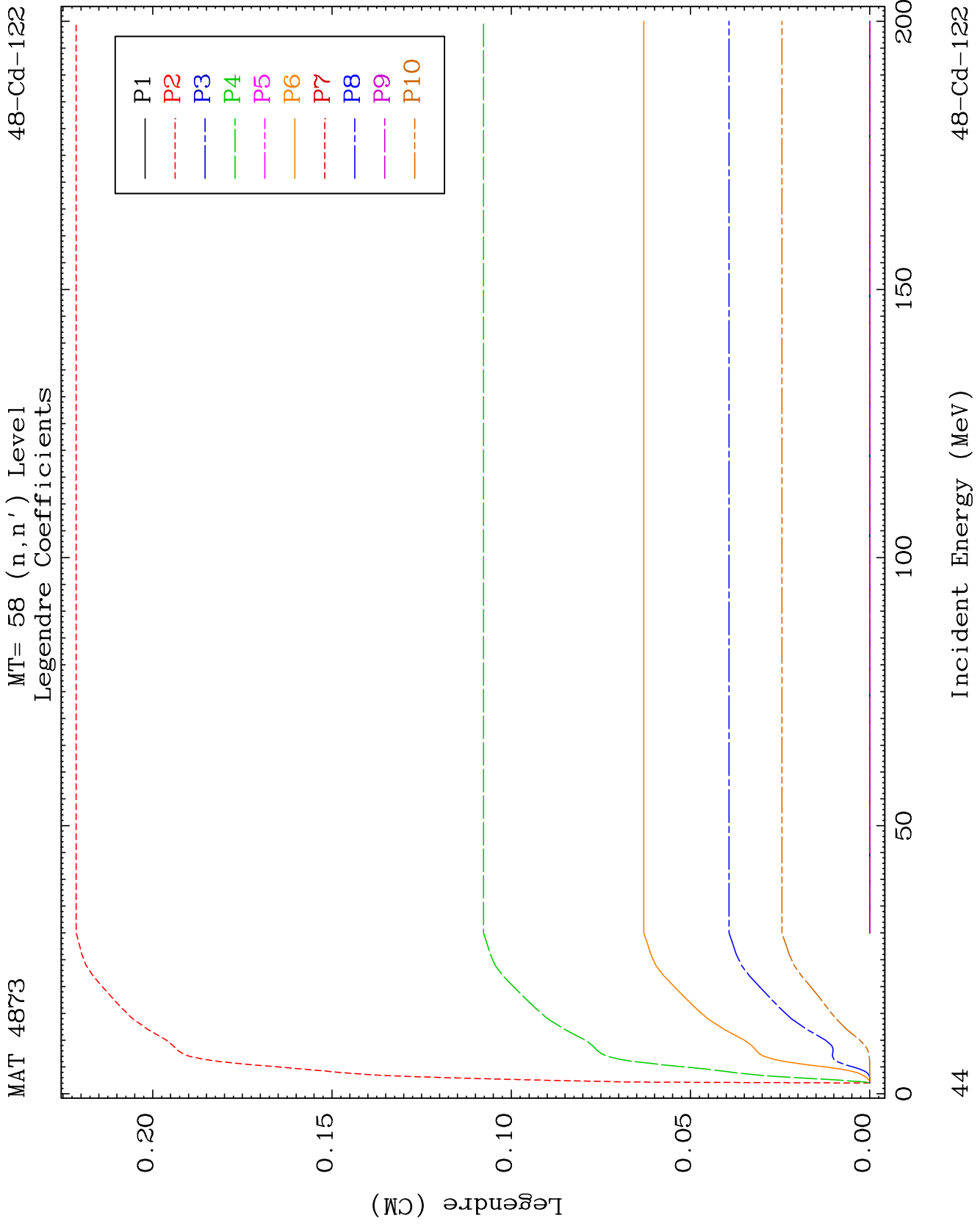
MT= 57 (n,n') Level

48-Cd-122

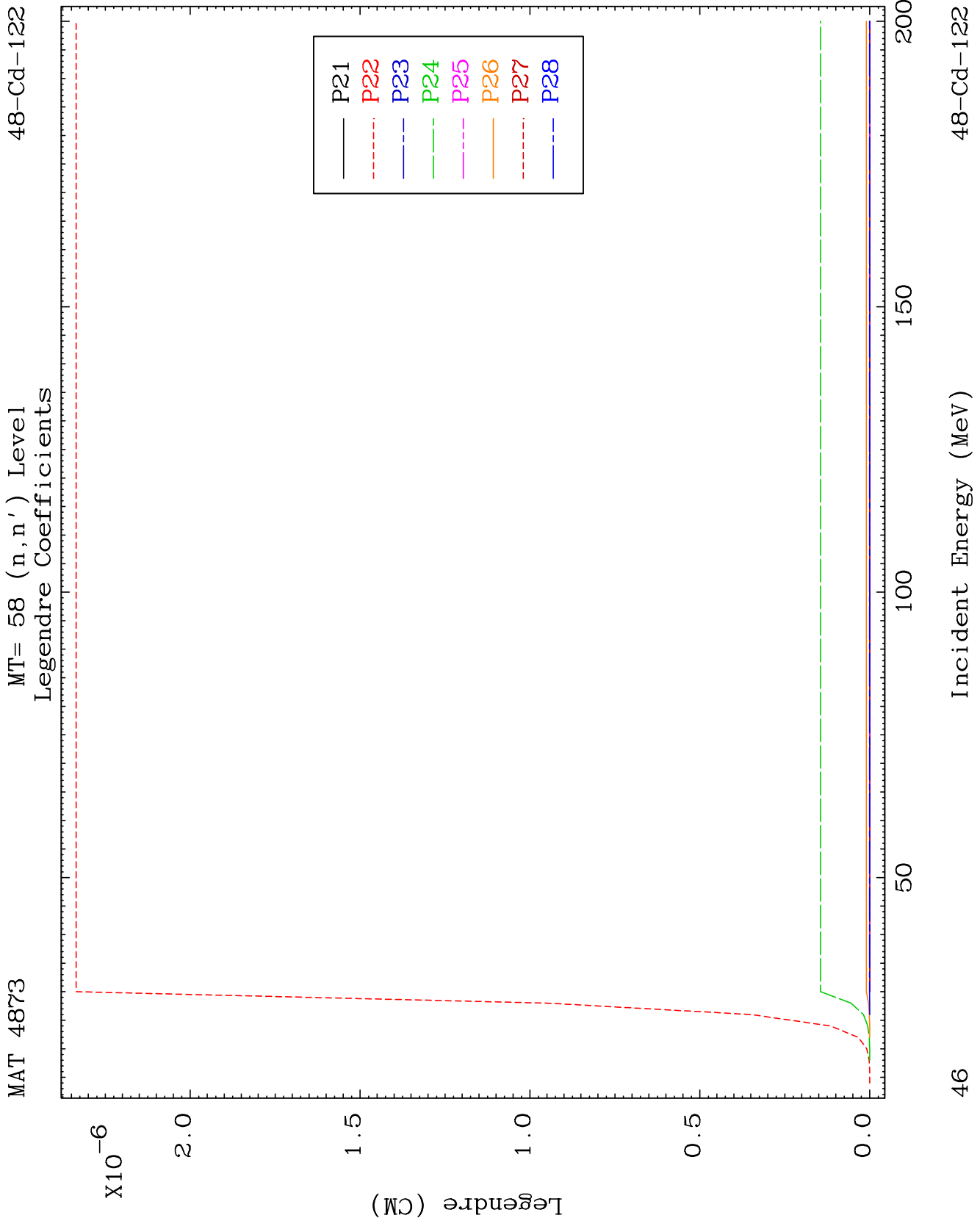
Legendre Coefficients







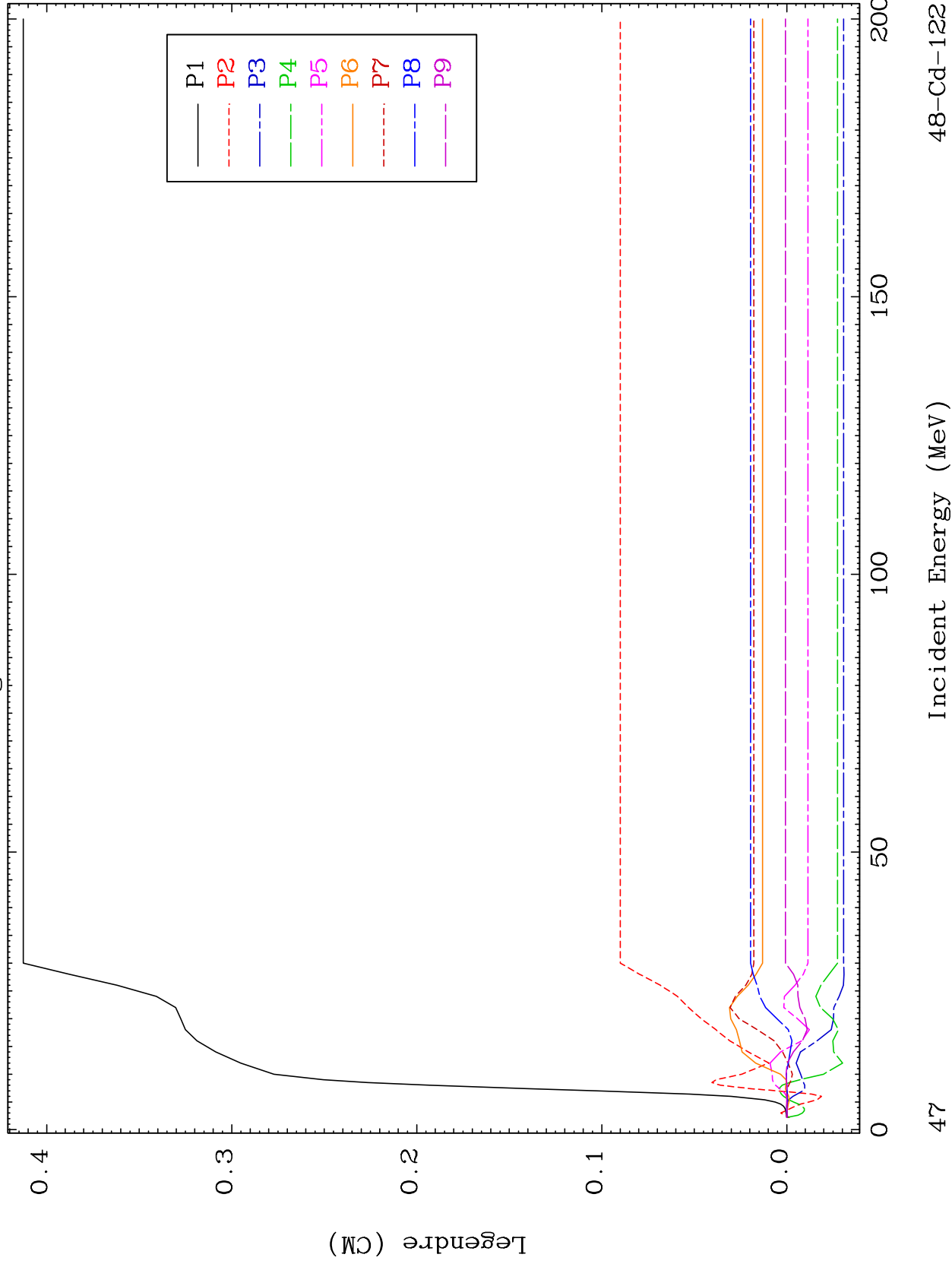




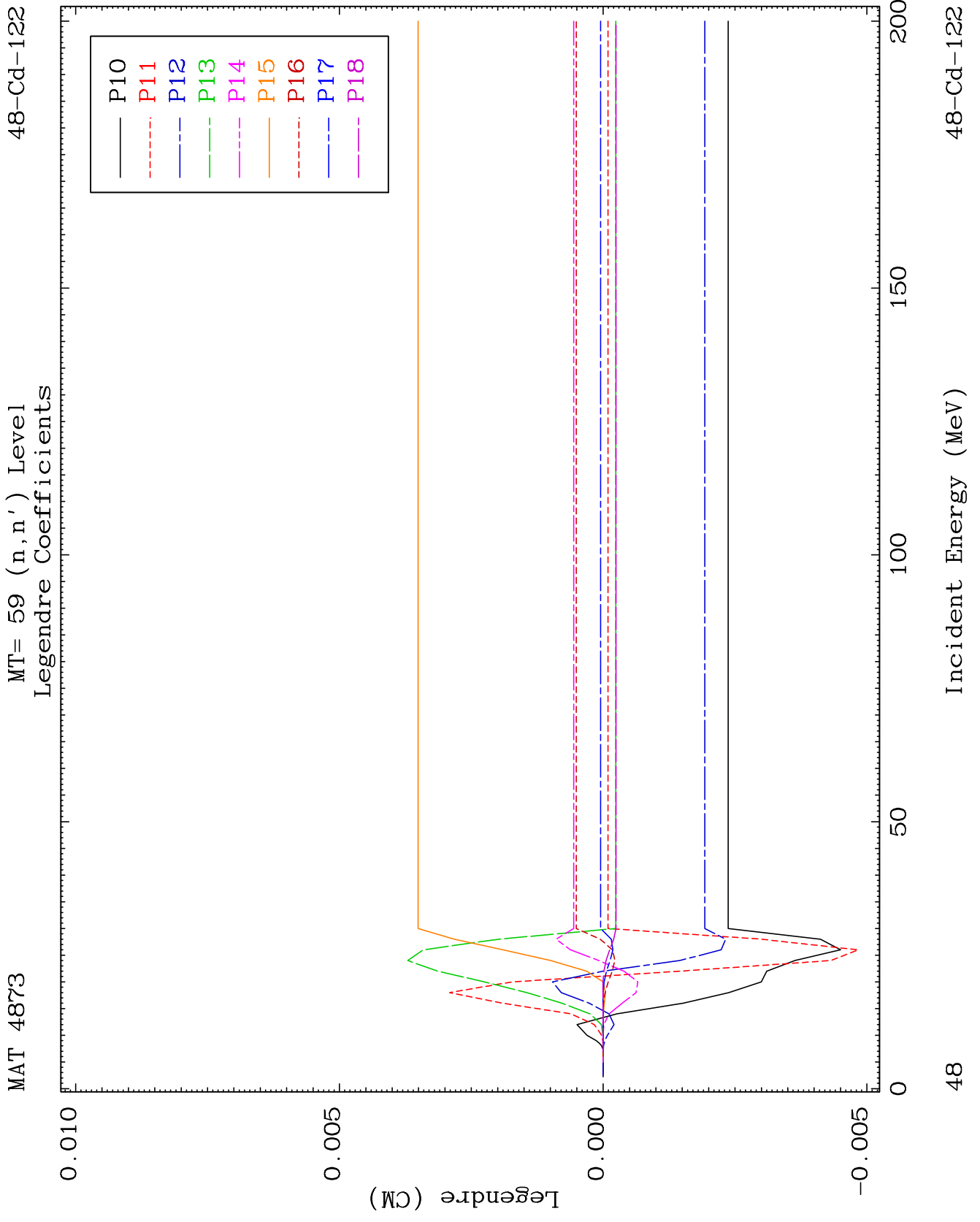
MAT 4873

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

48-Cd-122



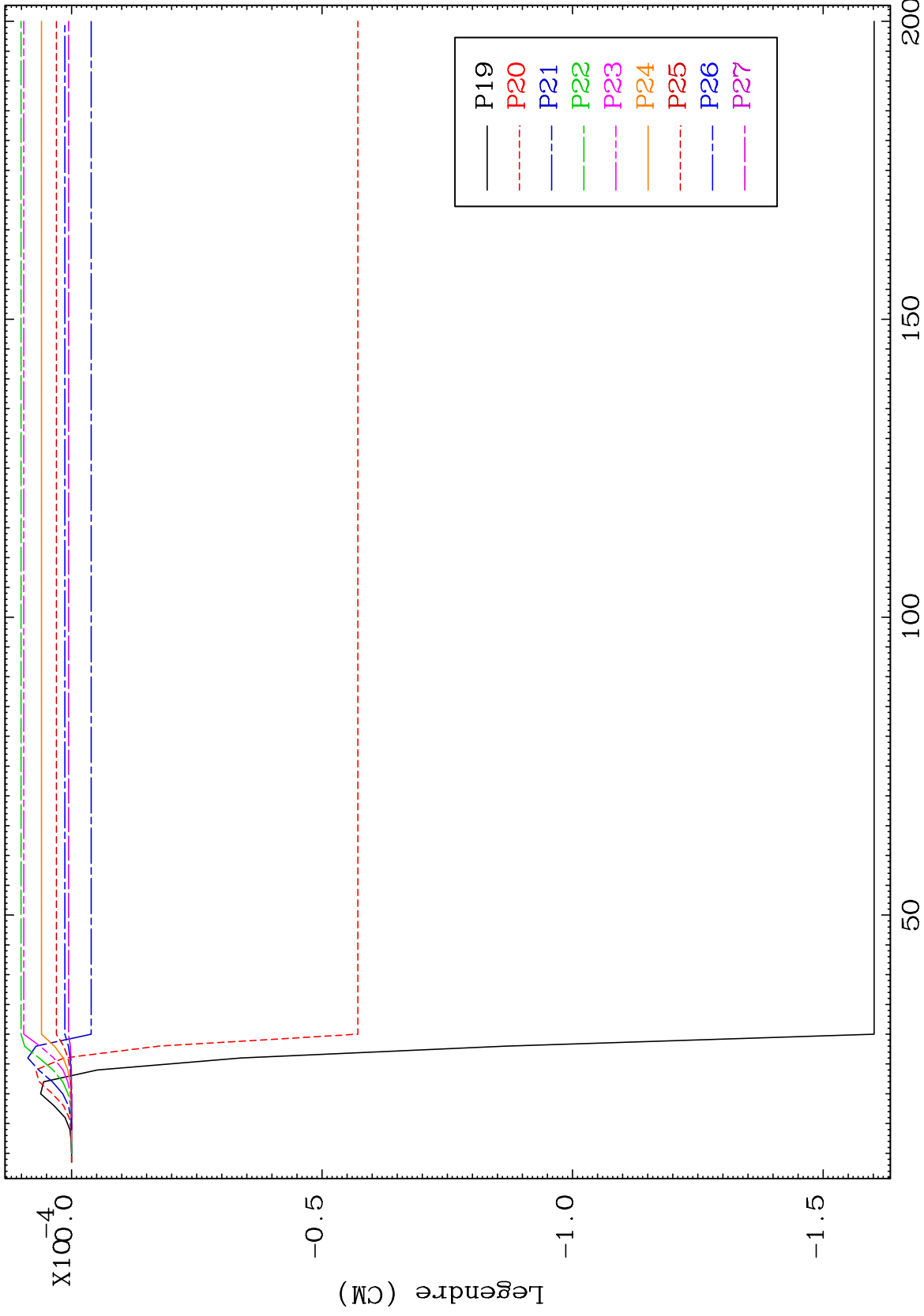




MAT 4873

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

48-Cd-122



49

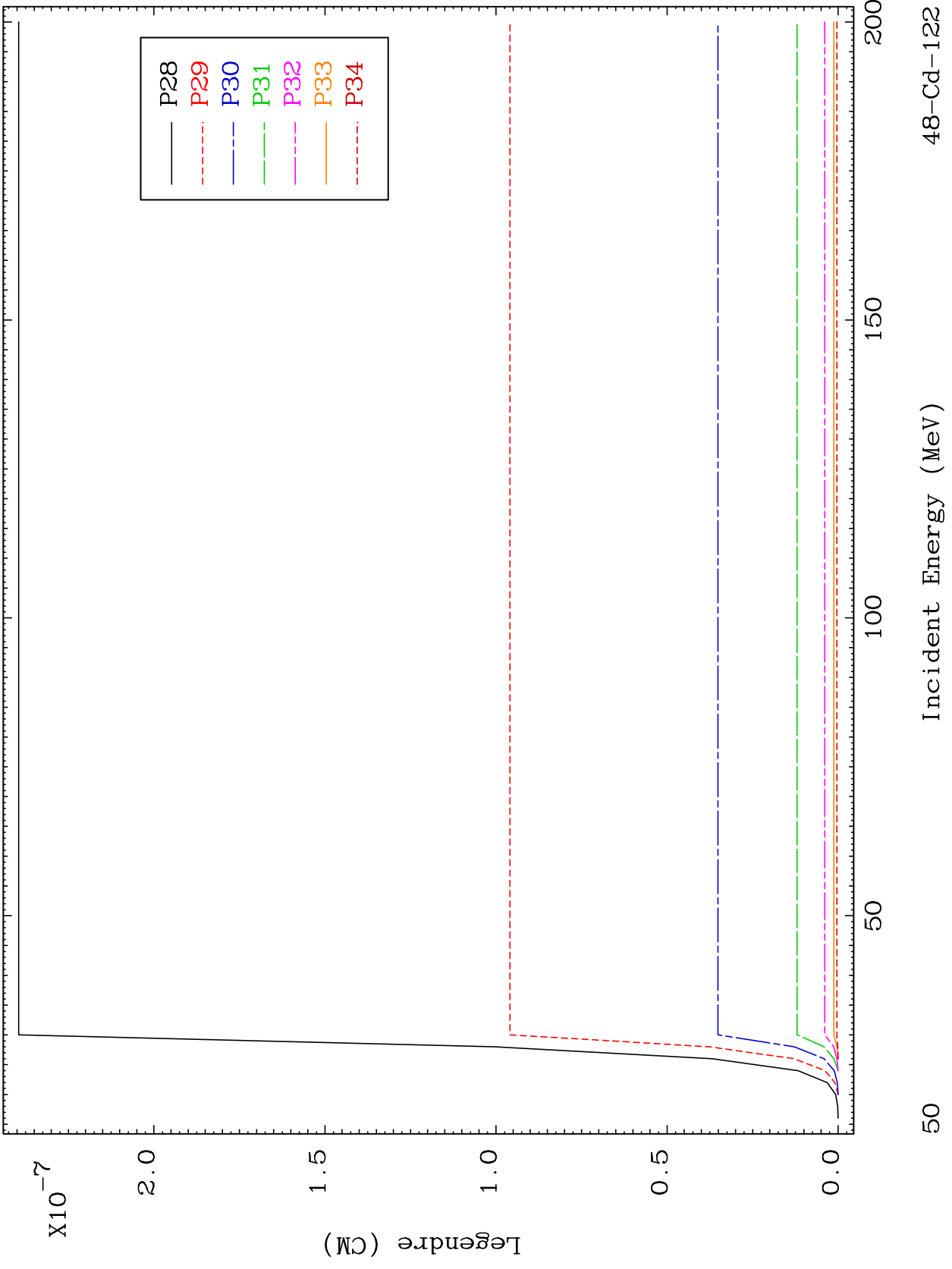
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

48-Cd-122



48-Cd-122

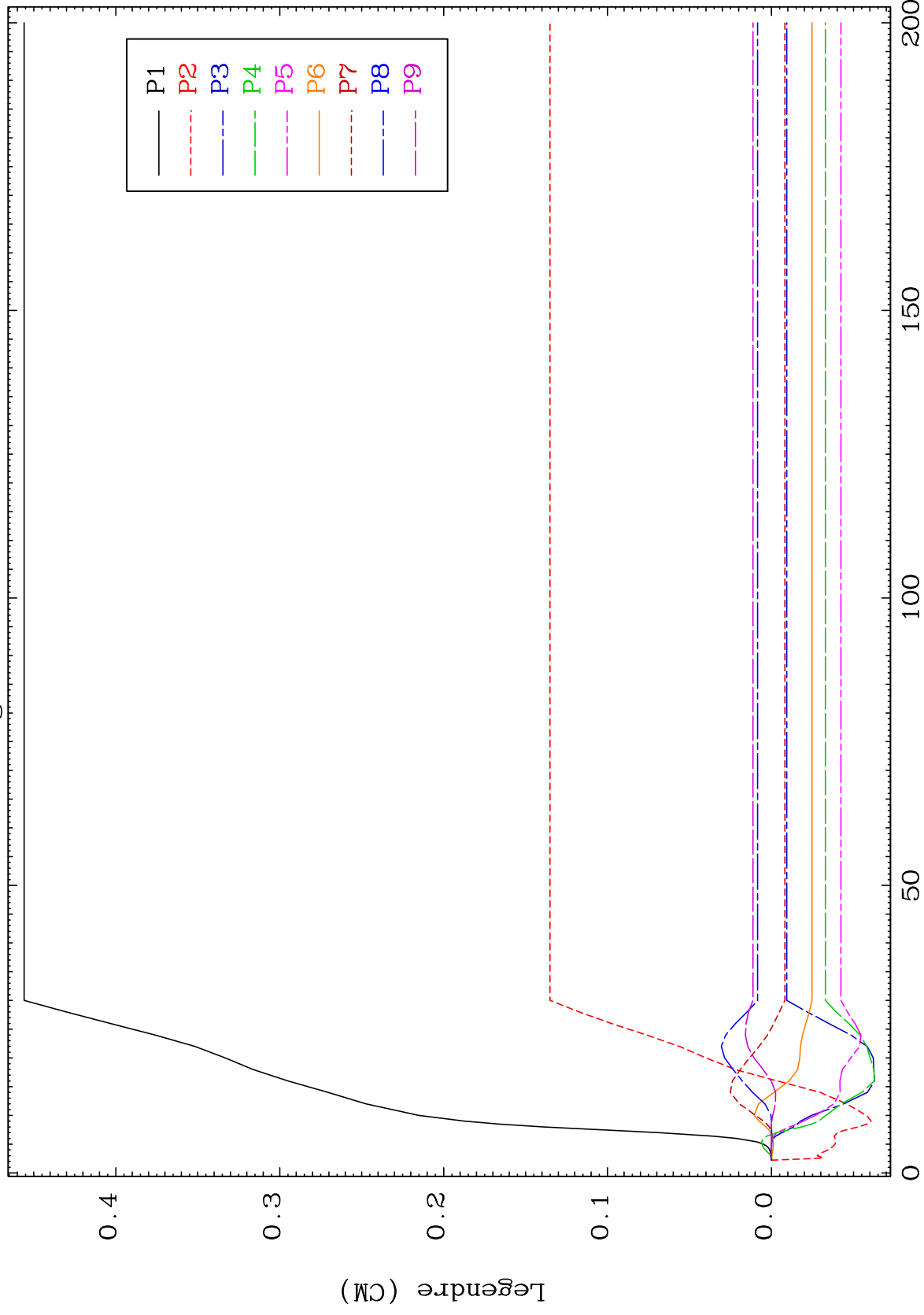
Incident Energy (MeV)

50

MAT 4873

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

48-Cd-122



51

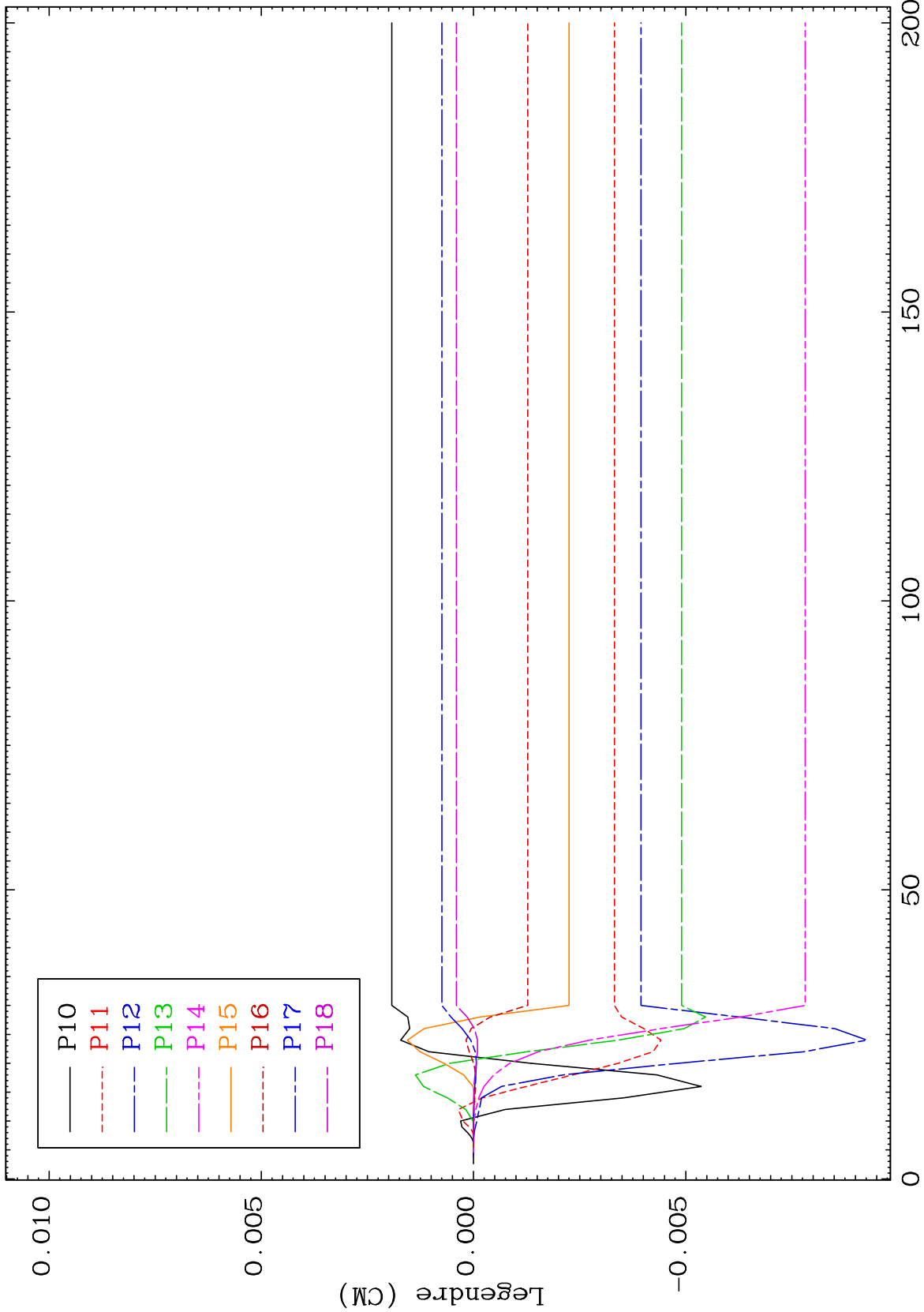
Incident Energy (MeV)

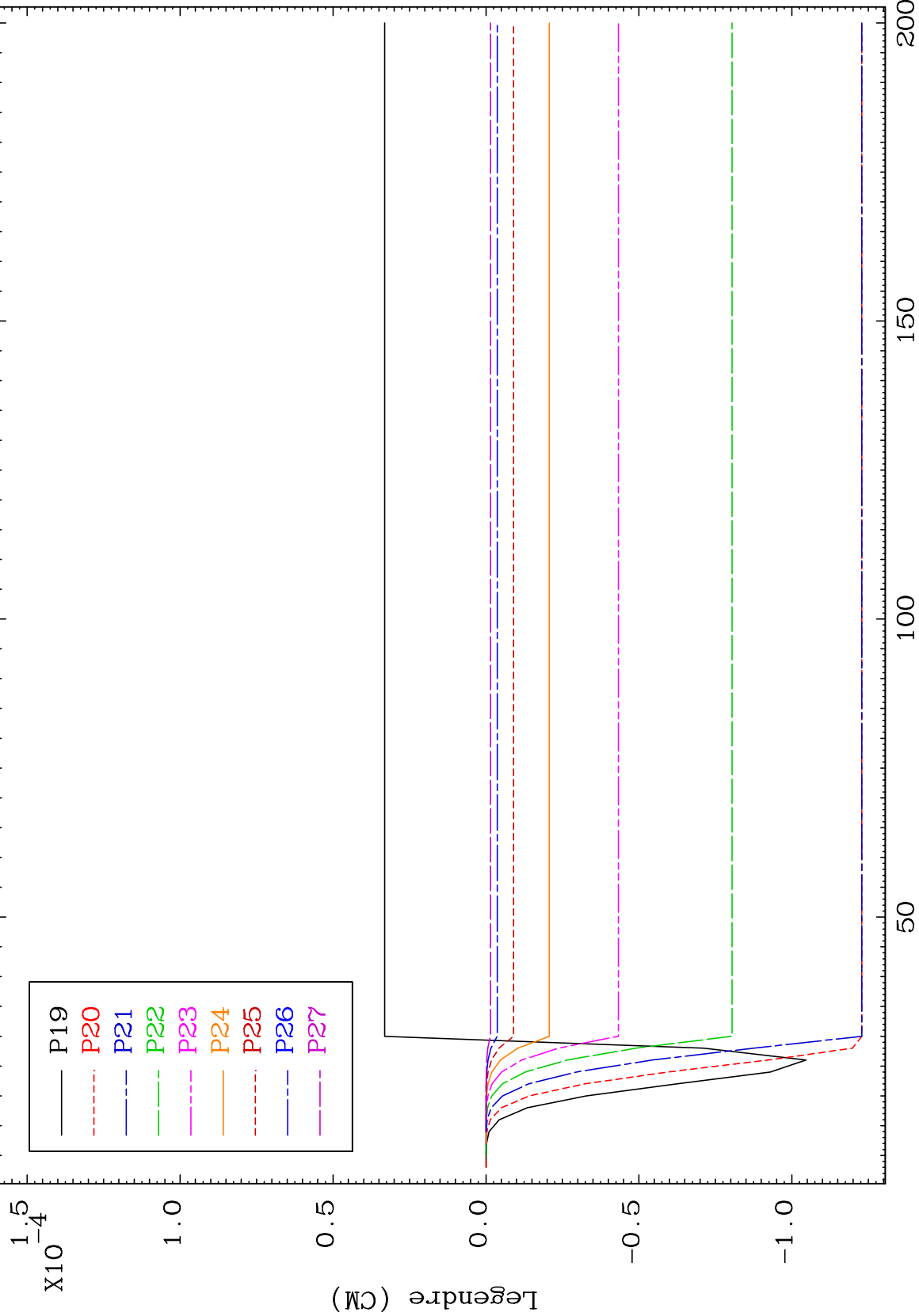
48-Cd-122

MAT 4873

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

48-Cd-122



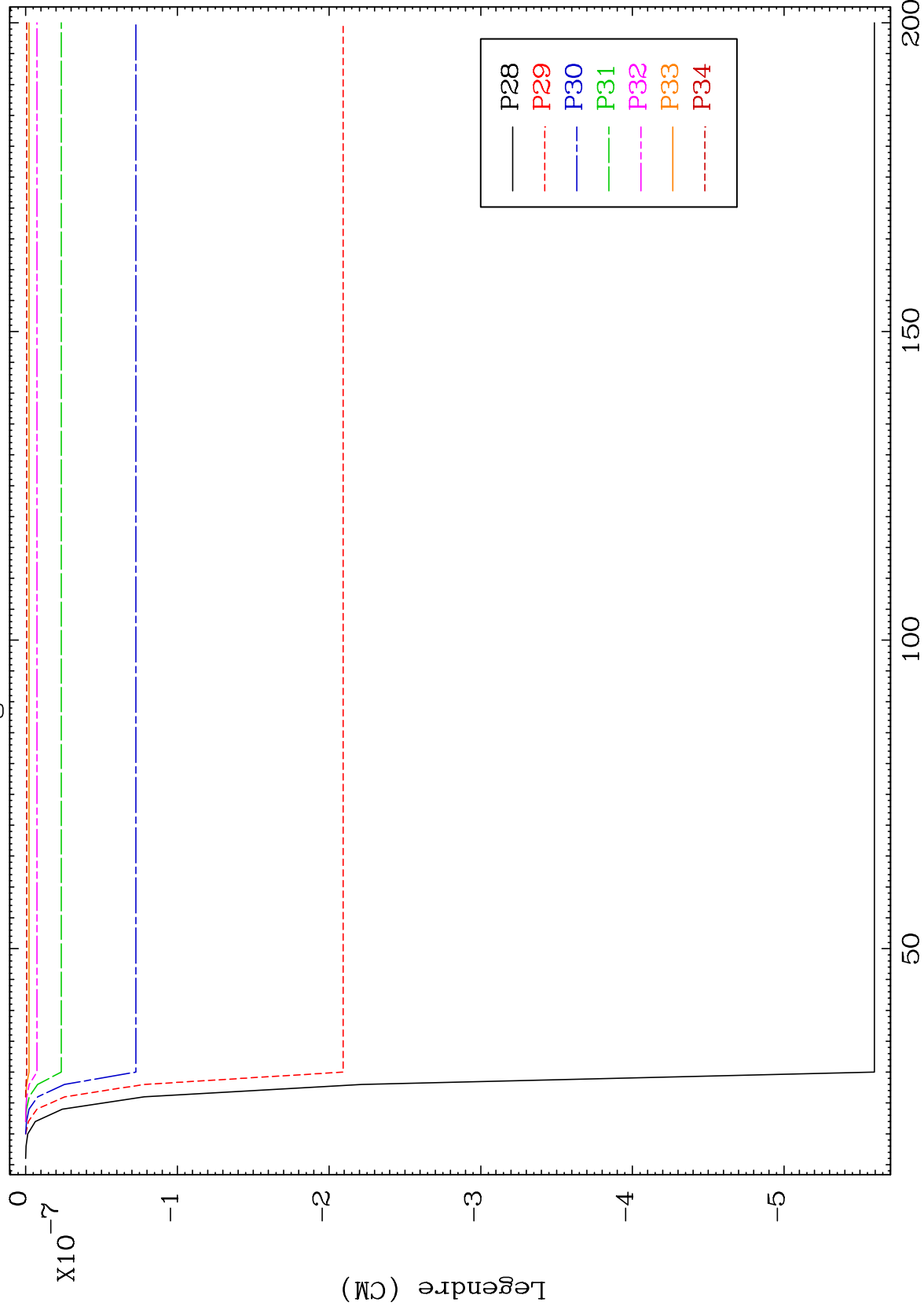


MAT 4873

MT= 60 (n,n') Level

48-Cd-122

Legendre Coefficients



54

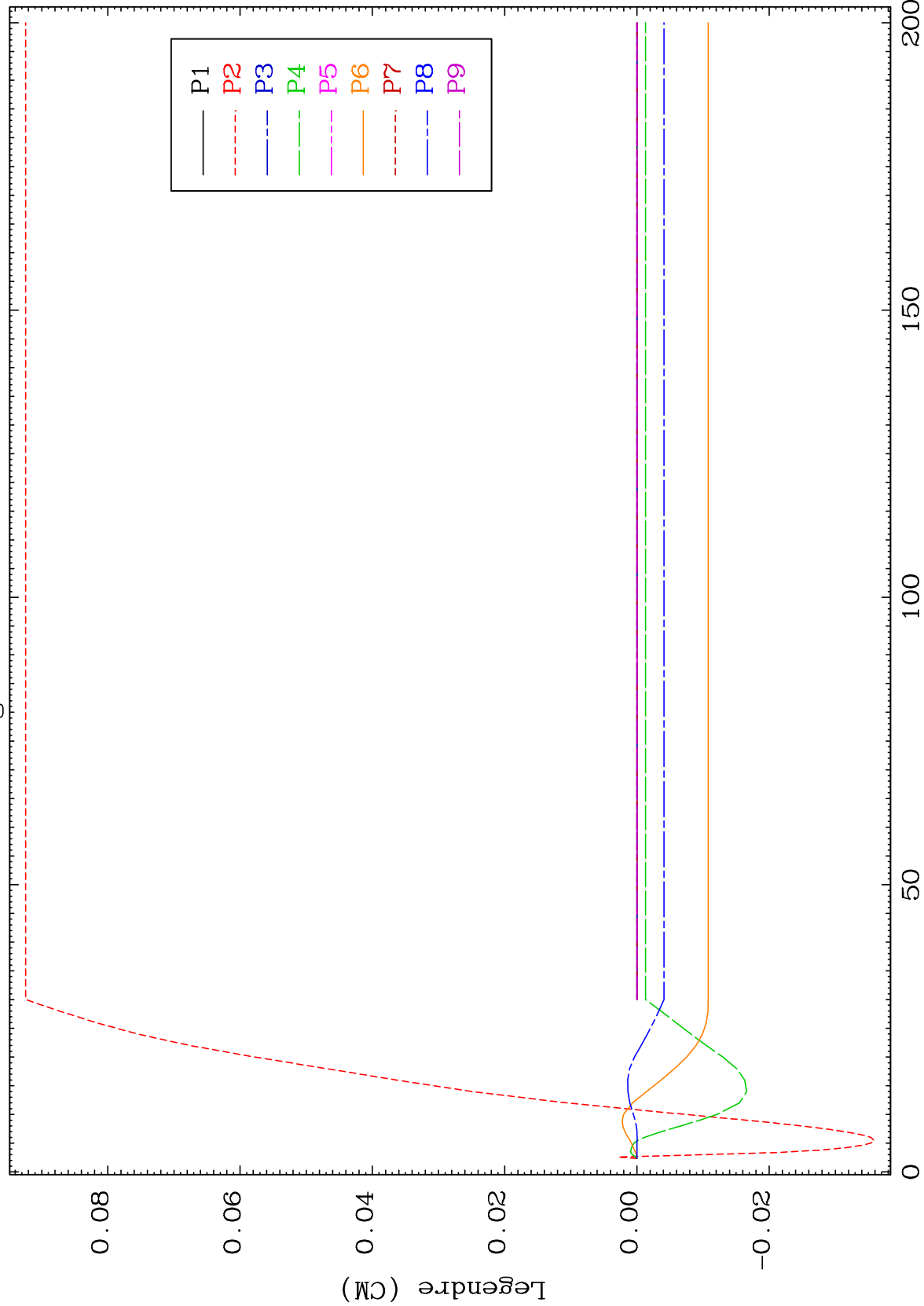
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

48-Cd-122



48-Cd-122

Incident Energy (MeV)

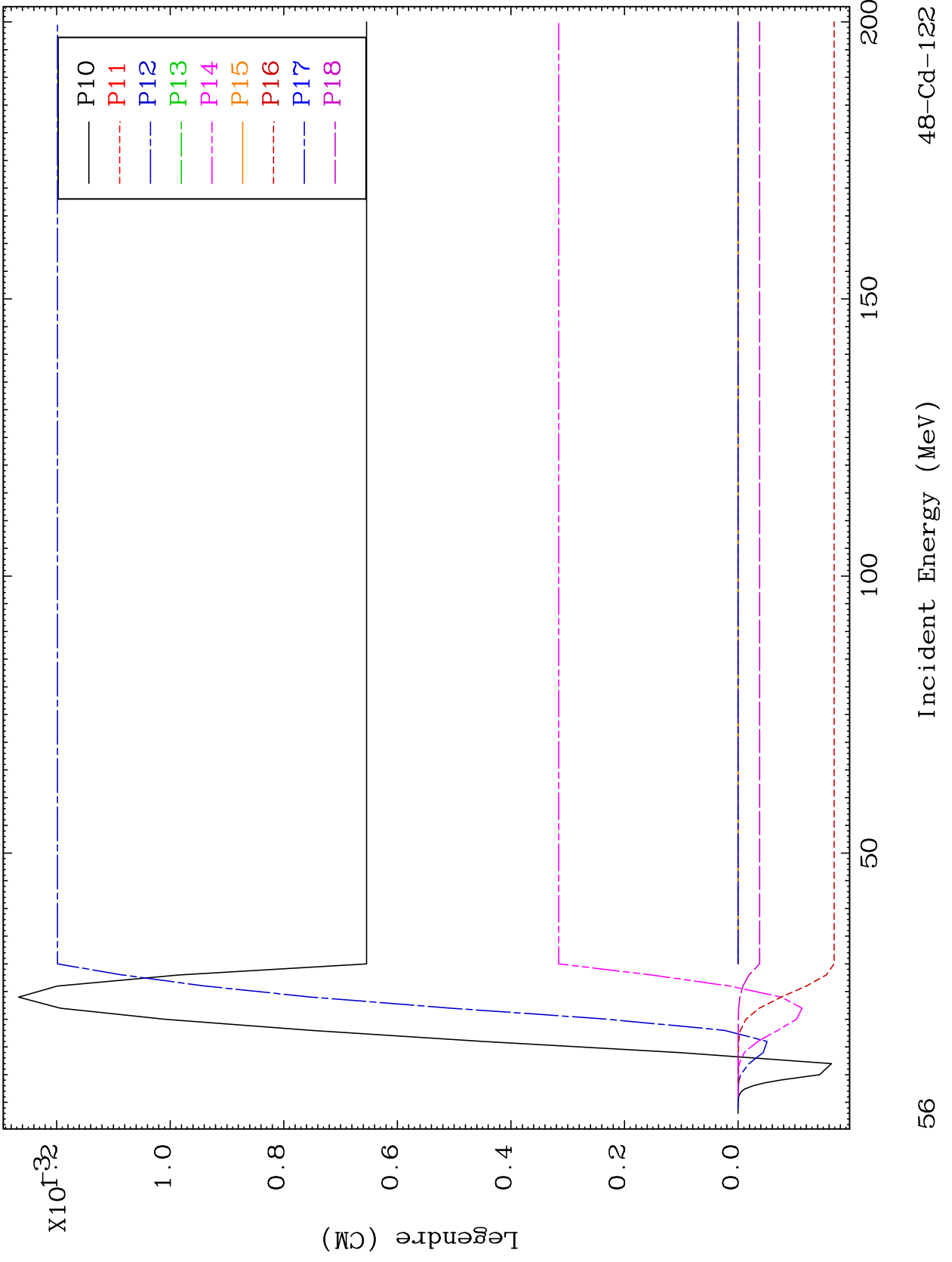
55



MAT 4873

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

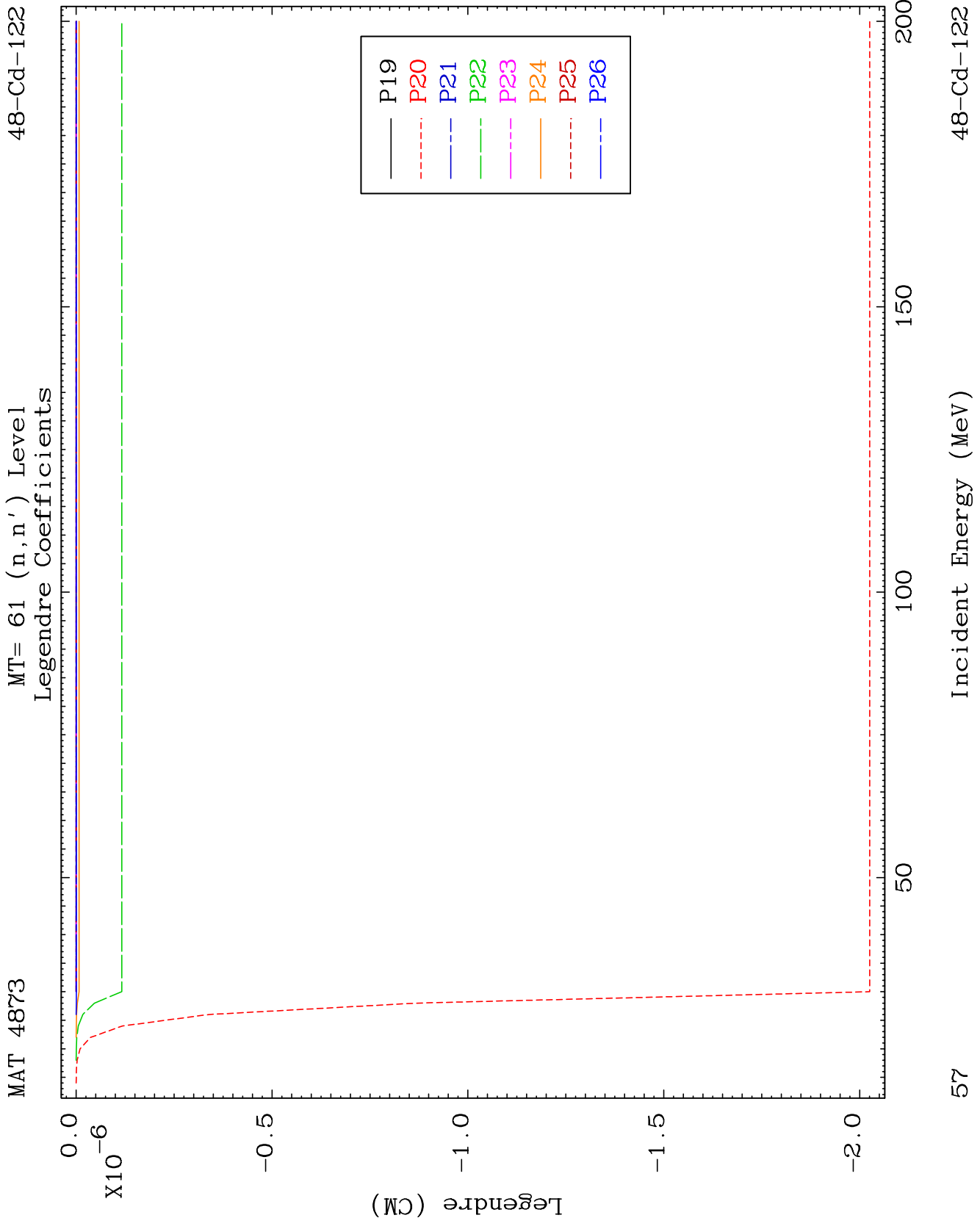
48-Cd-122



56

Incident Energy (MeV)

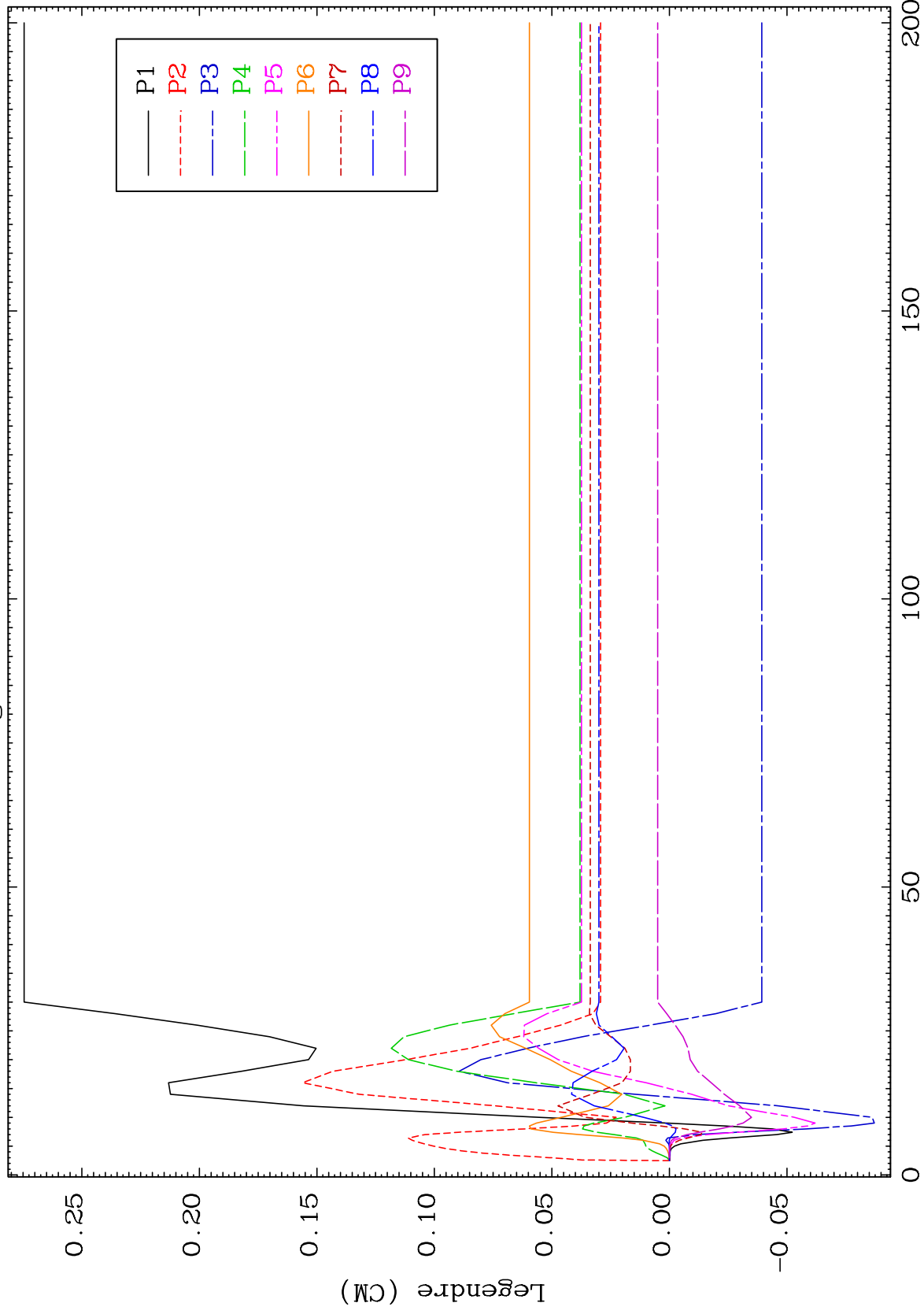
48-Cd-122



MAT 4873

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

48-Cd-122



58

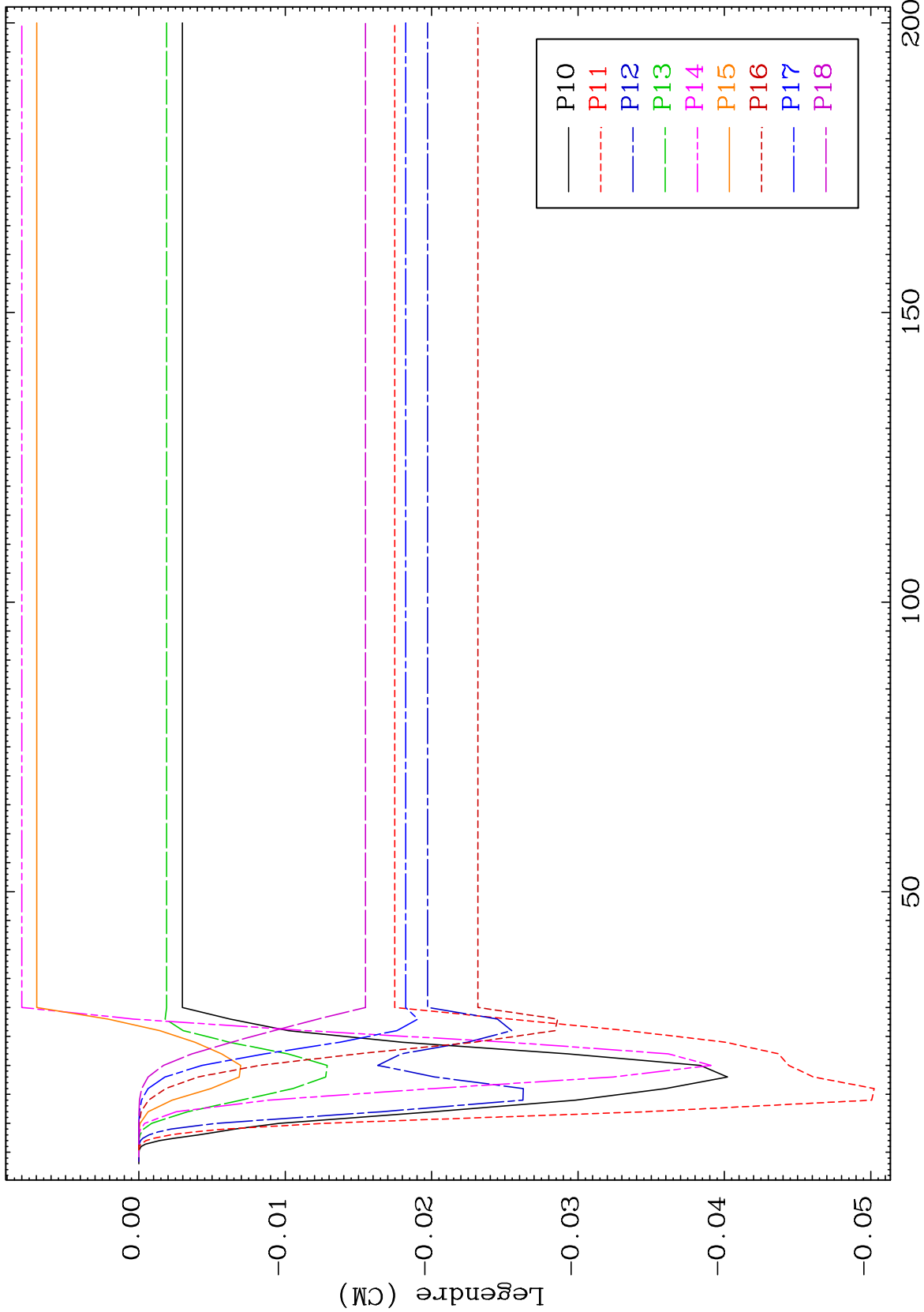
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

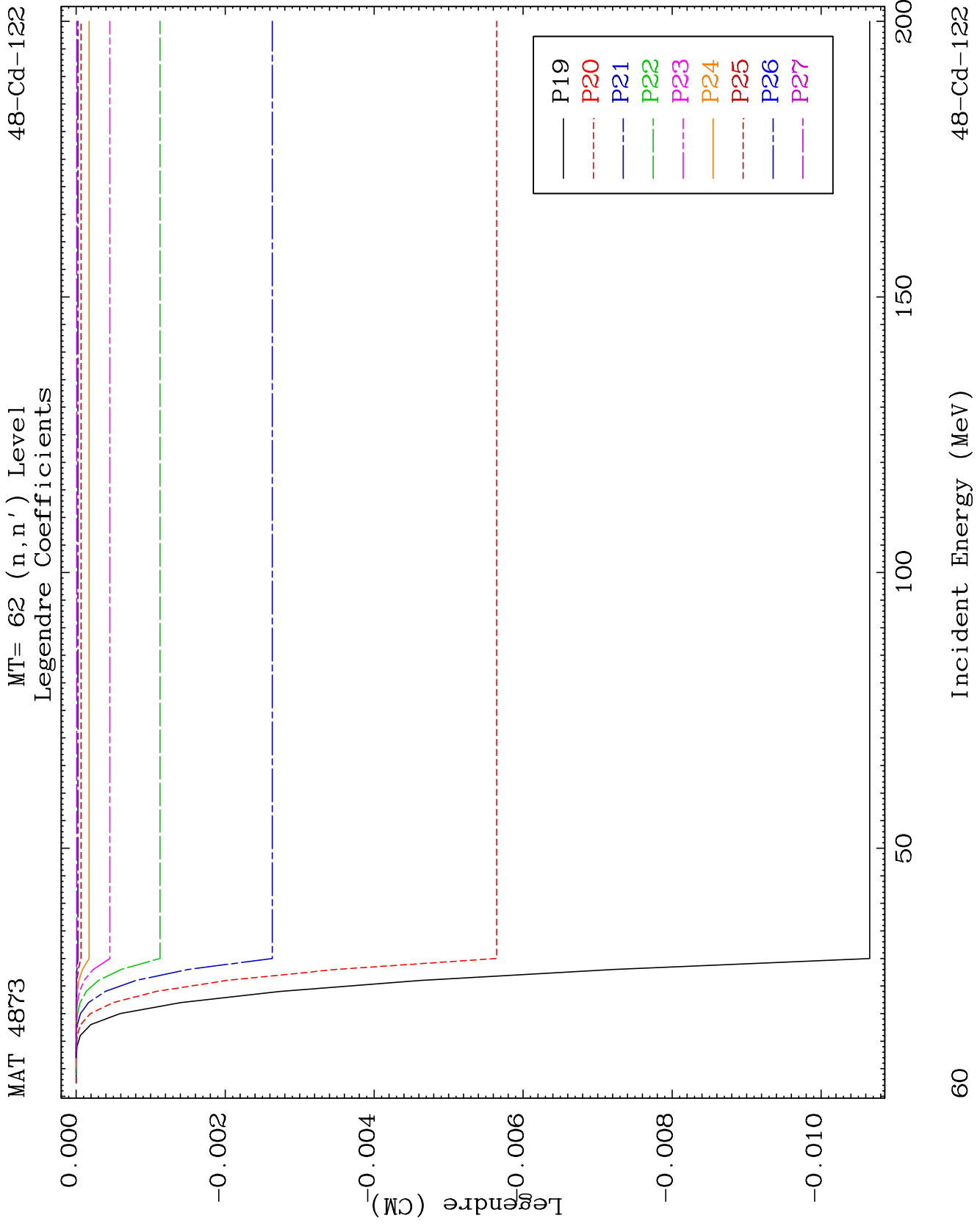
48-Cd-122

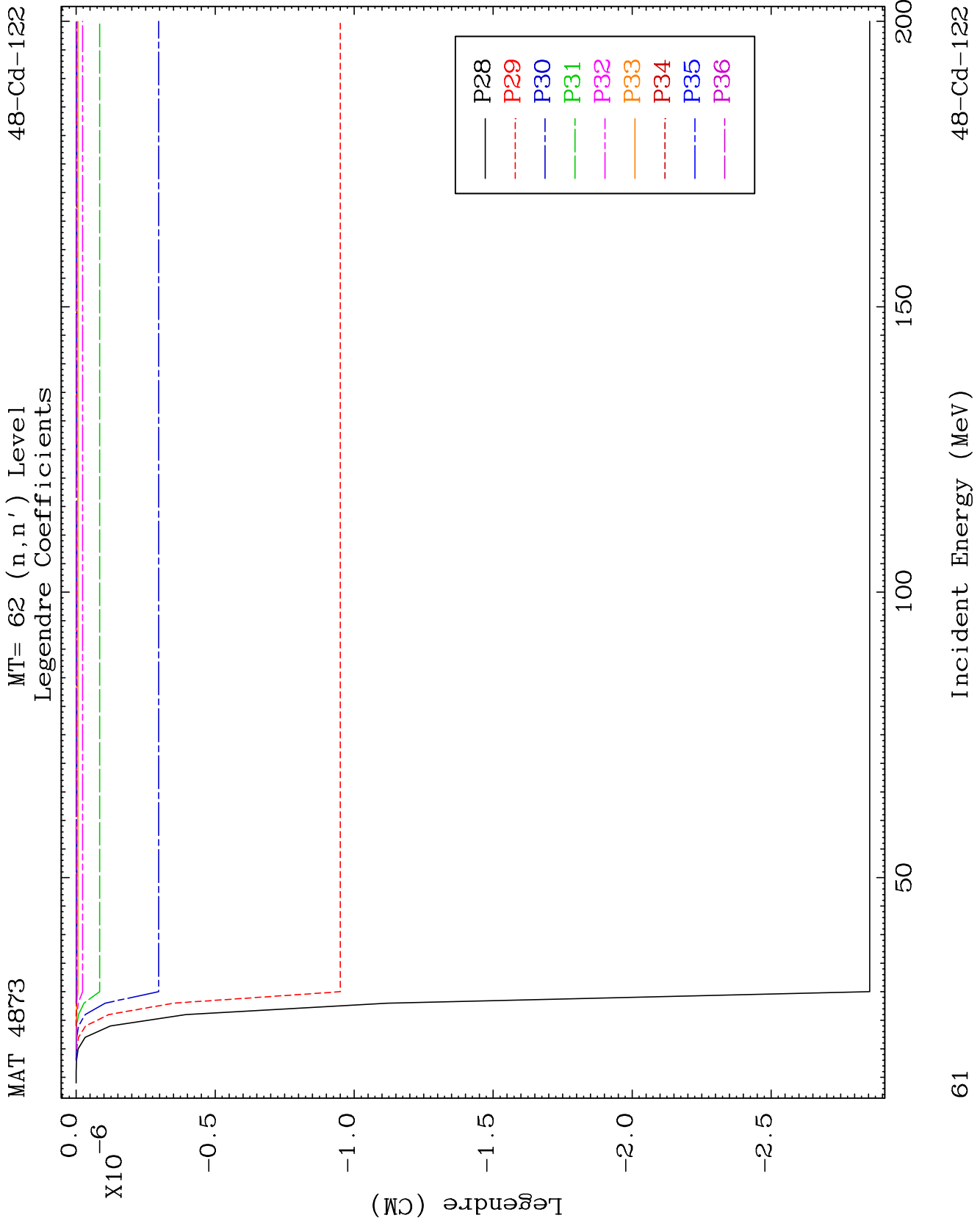


59

Incident Energy (MeV)

48-Cd-122

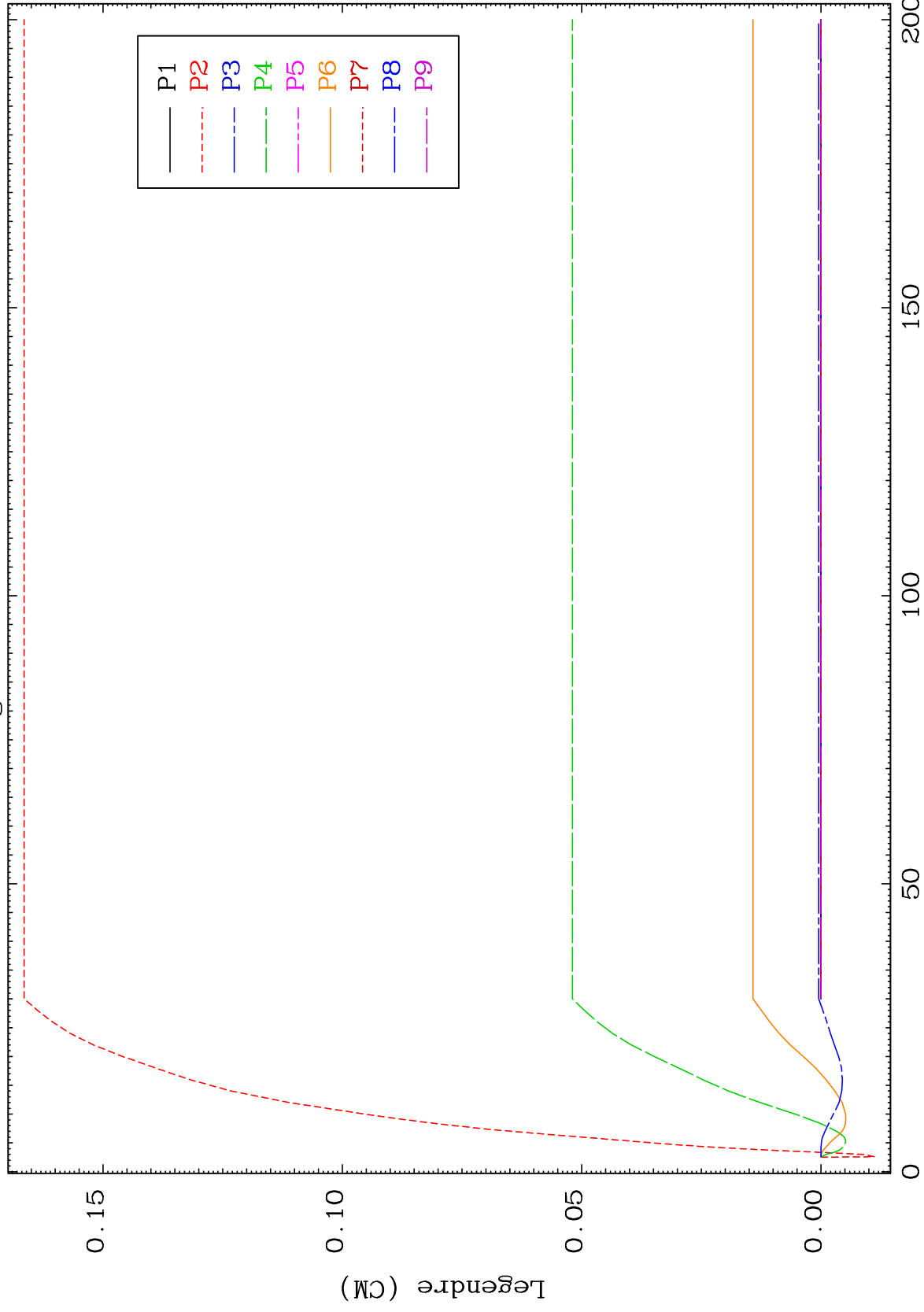




MAT 4873

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

48-Cd-122



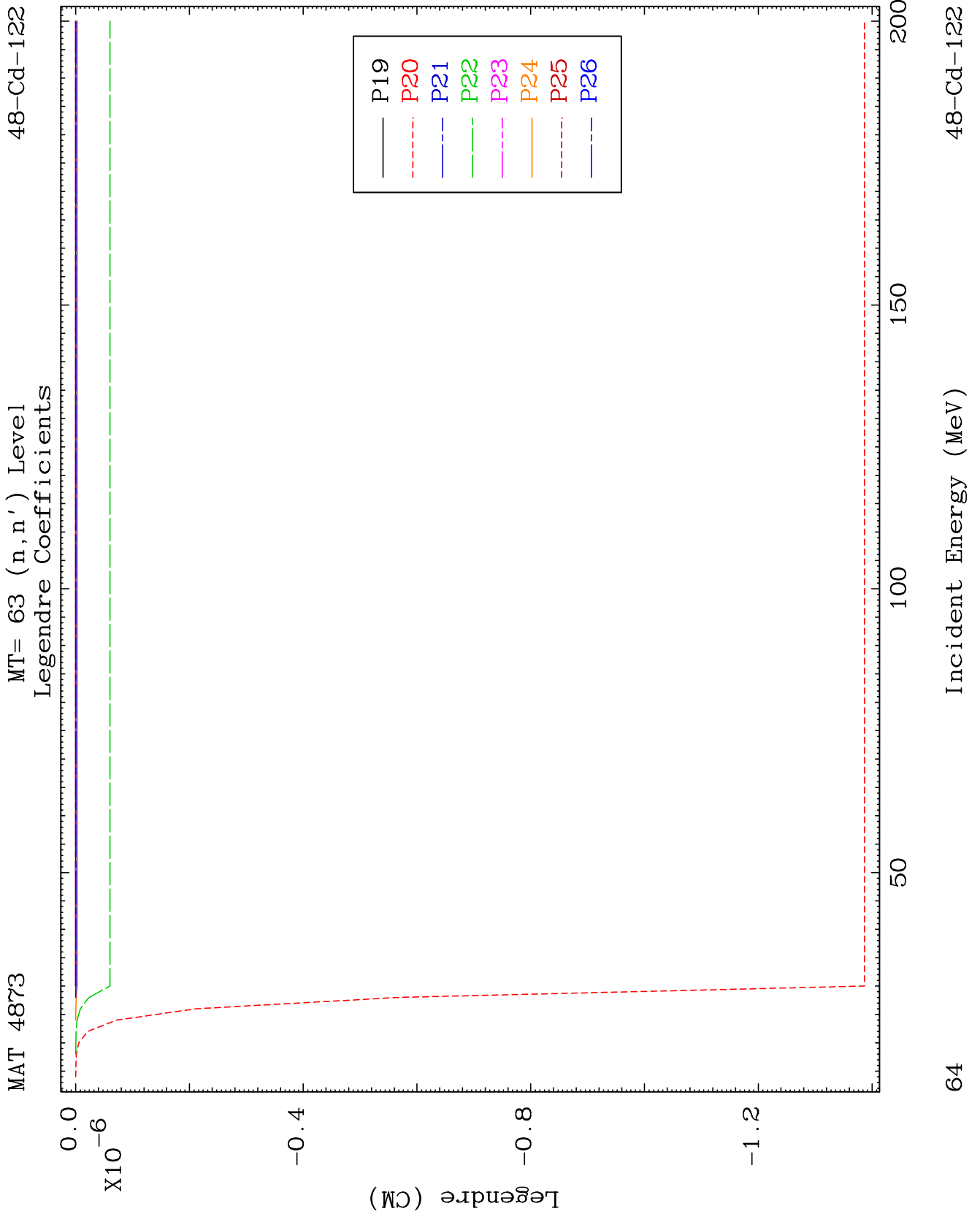
62

Incident Energy (MeV)

48-Cd-122



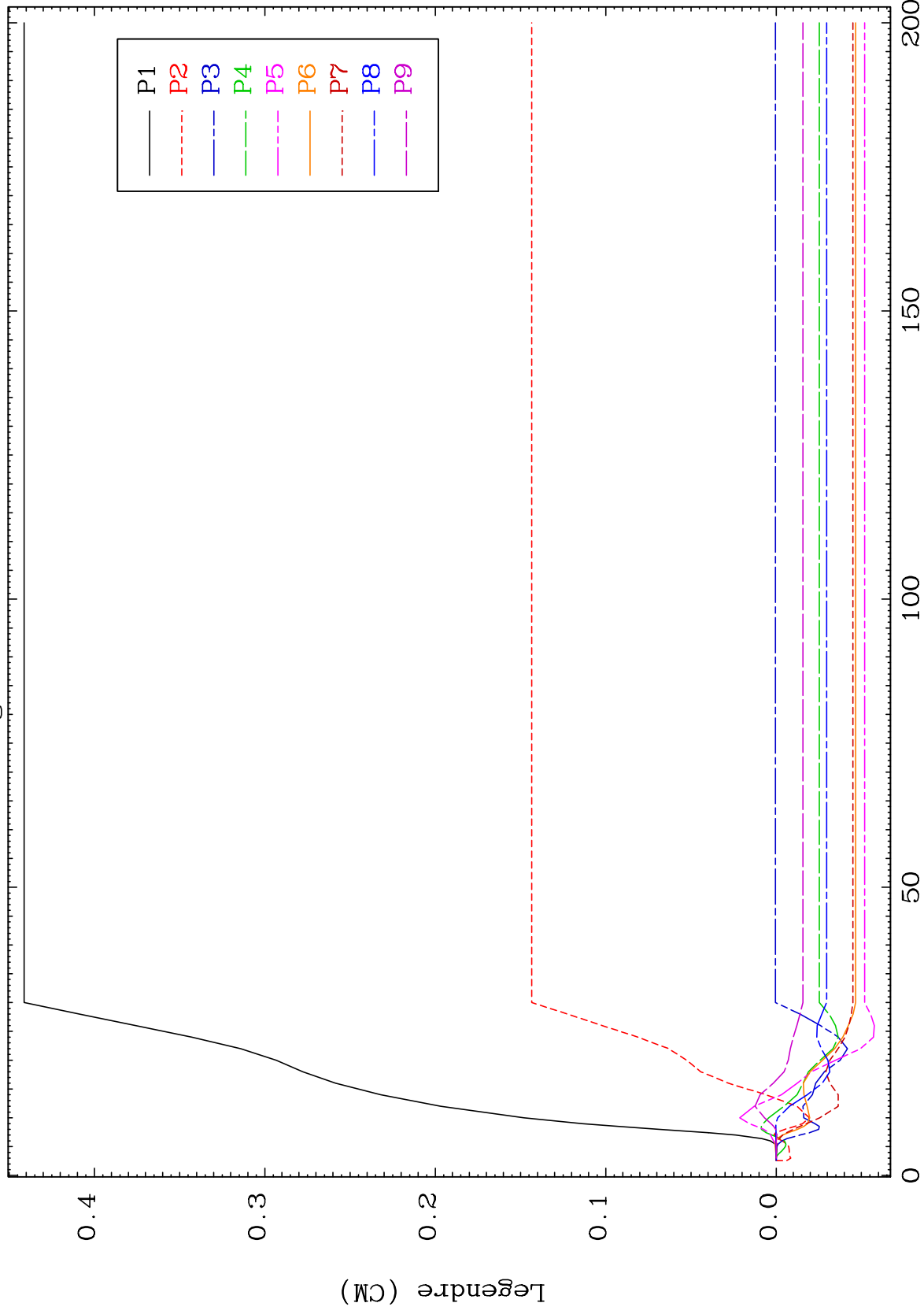




MAT 4873

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

48-Cd-122



65

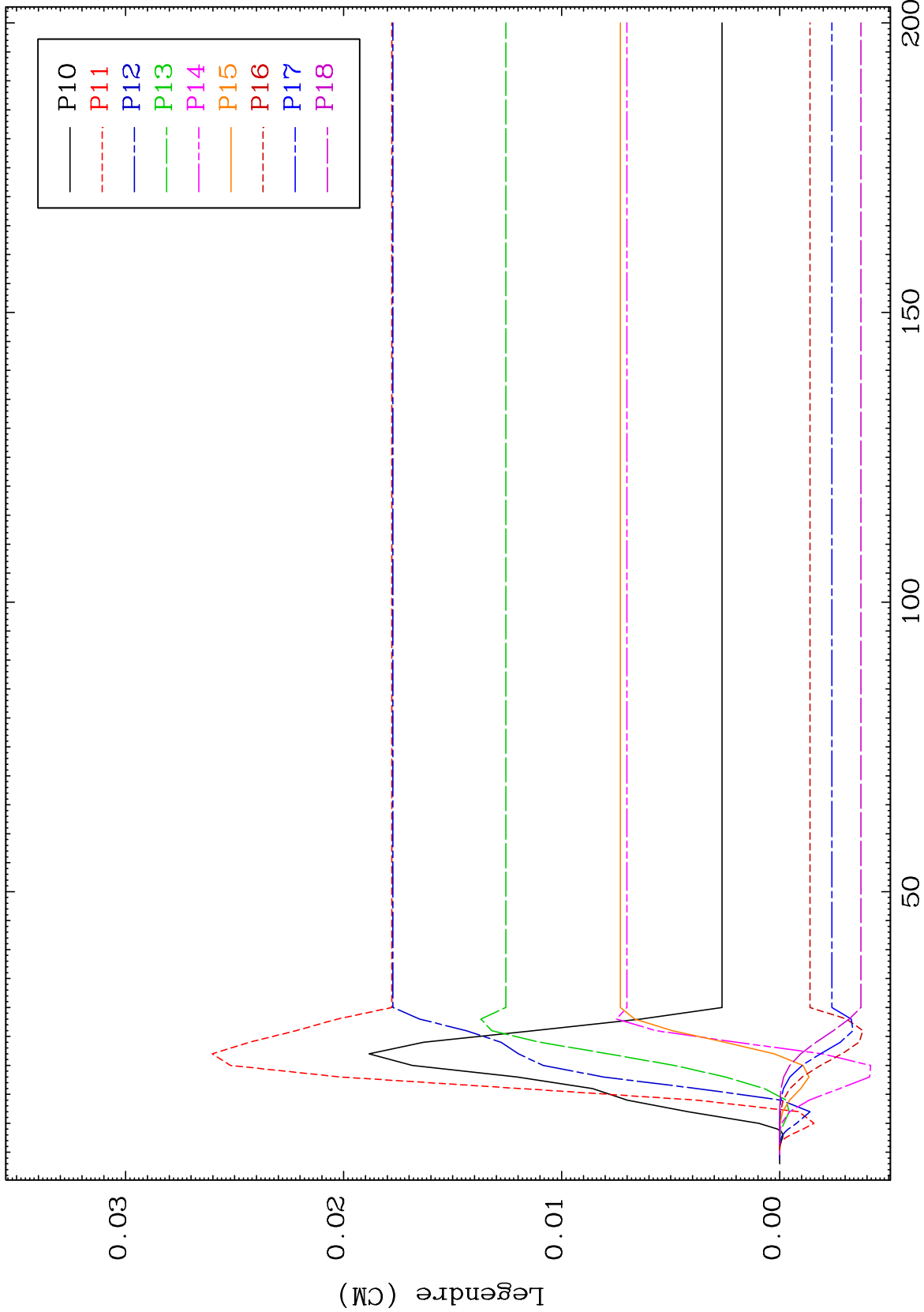
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

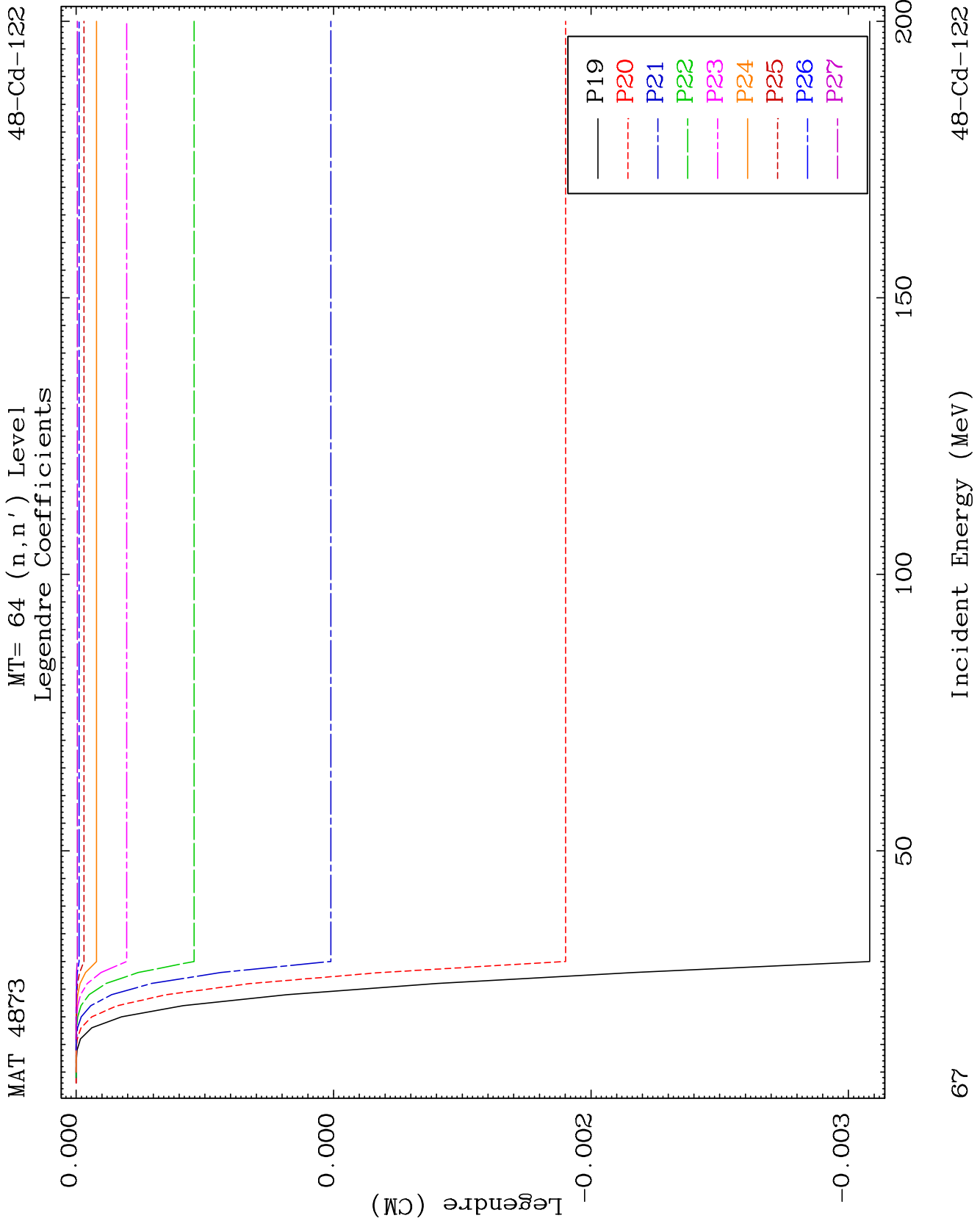
48-Cd-122

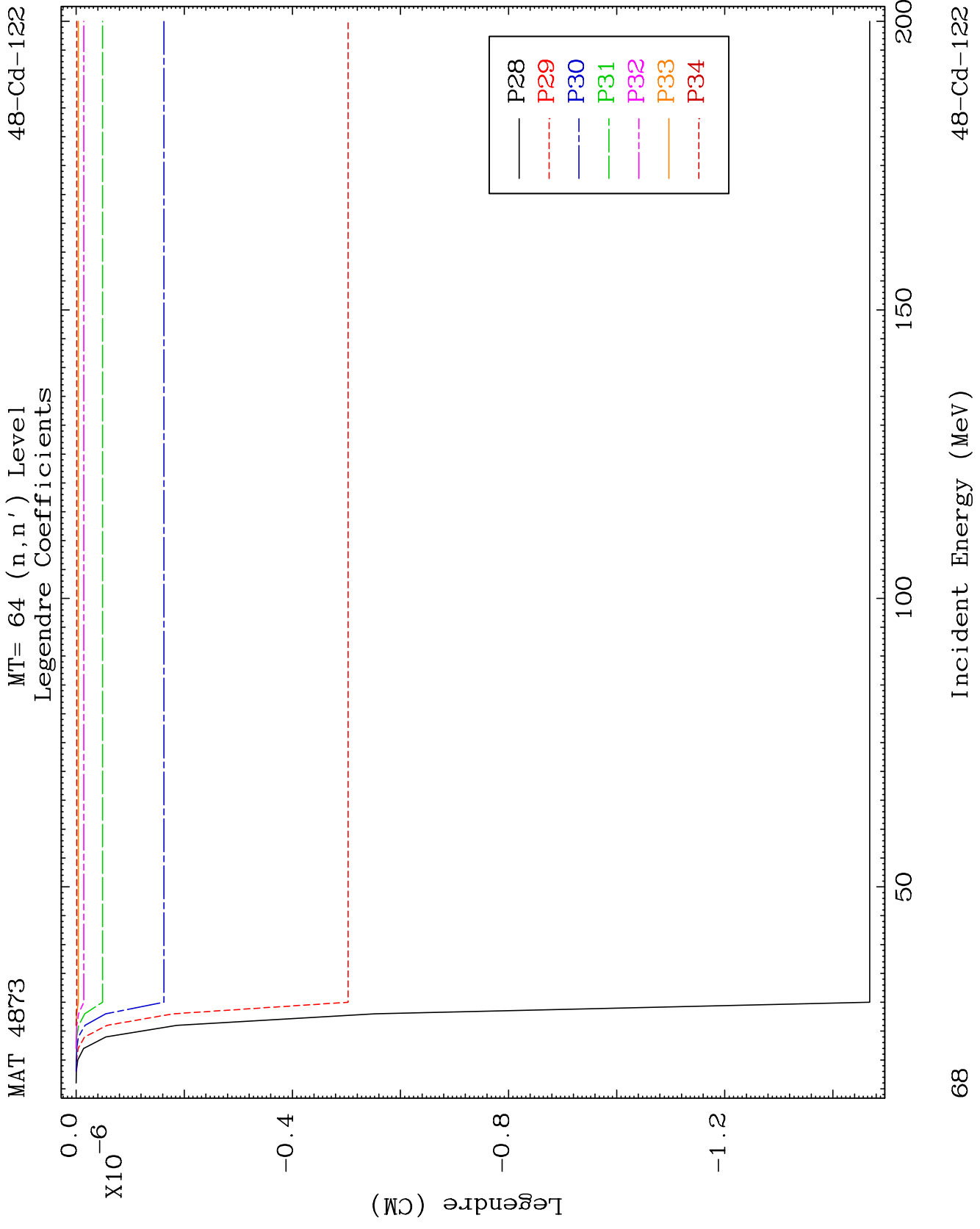


66

Incident Energy (MeV)

48-Cd-122

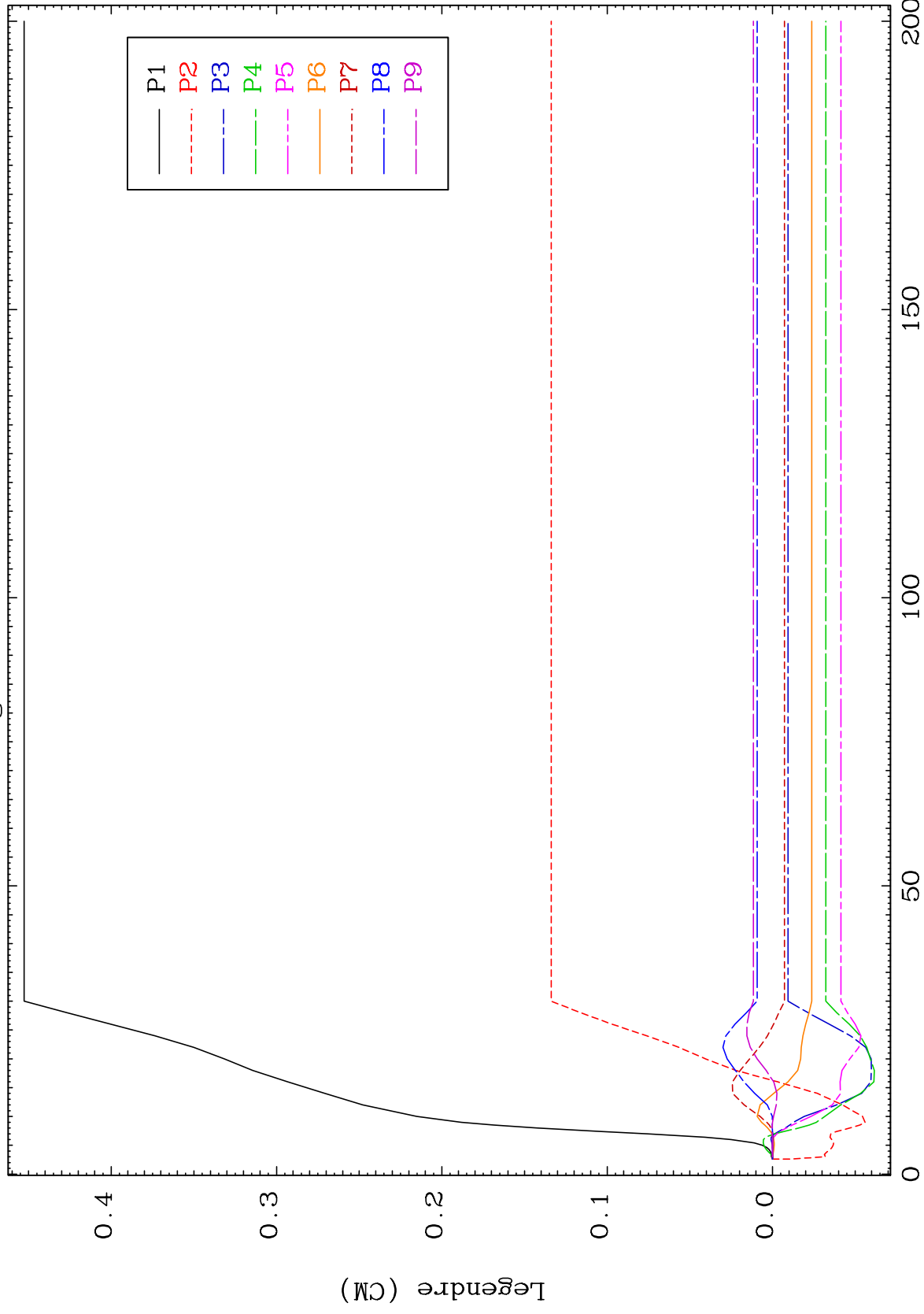




MAT 4873

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

48-Cd-122



69

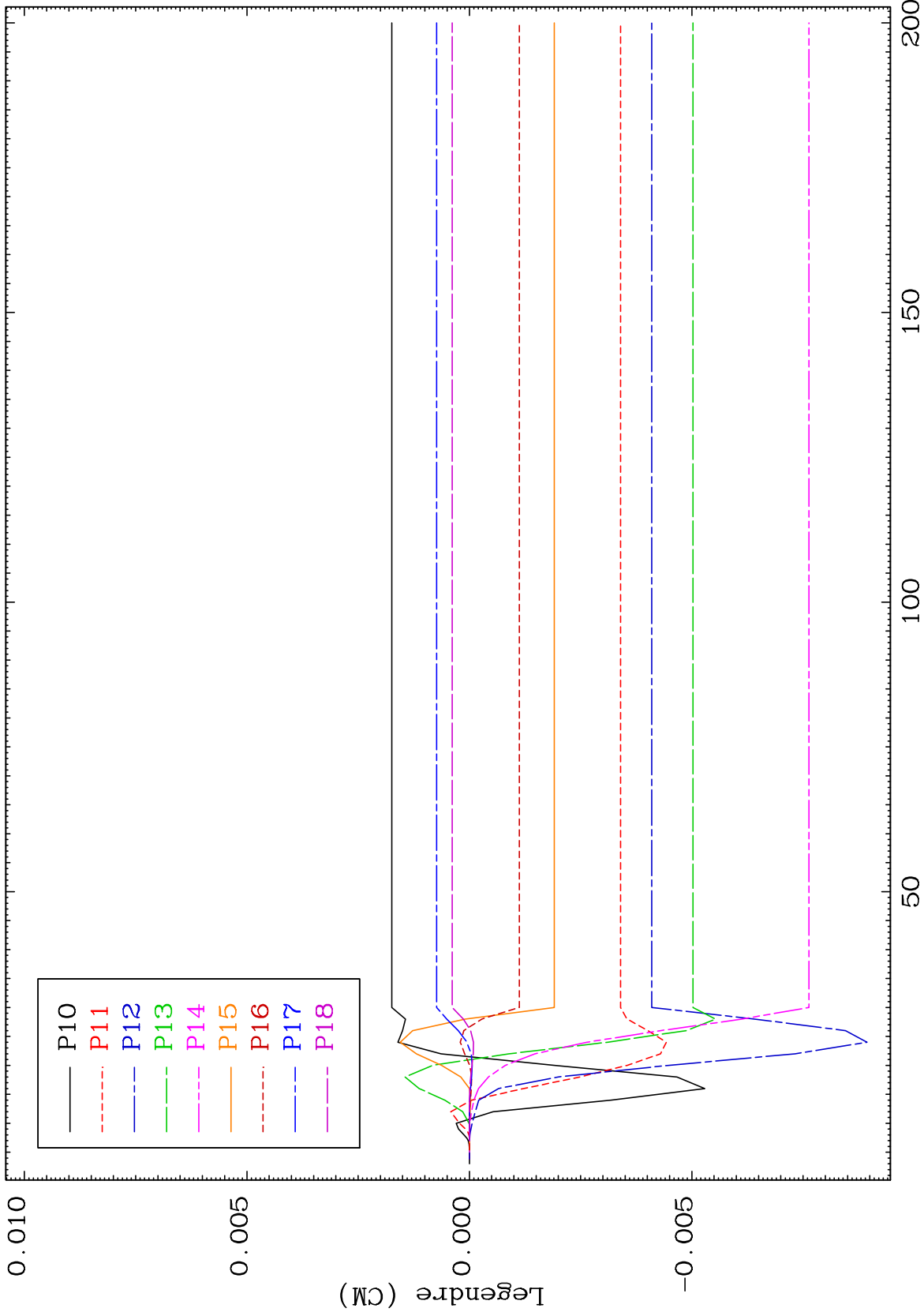
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

48-Cd-122



70

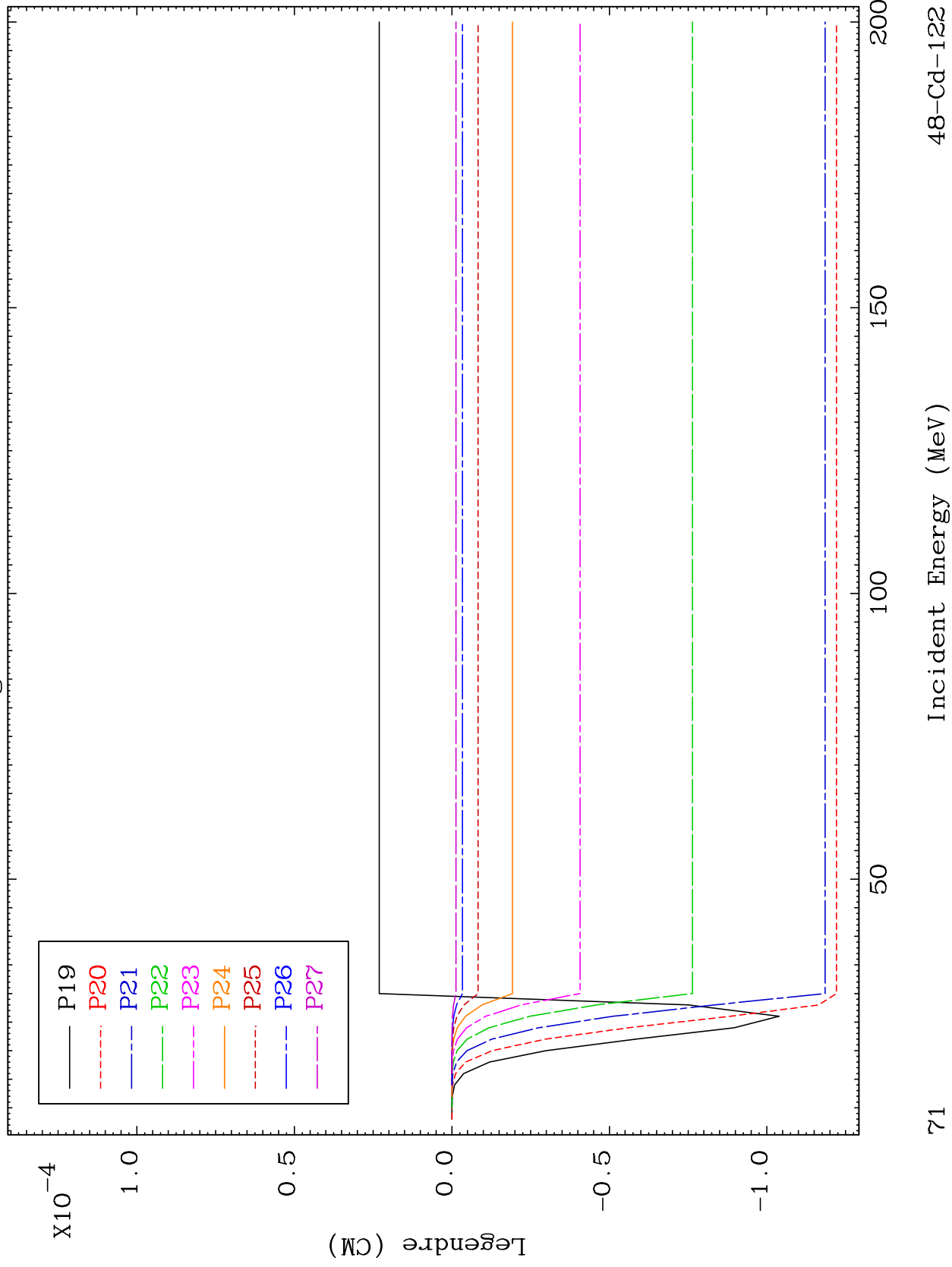
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

48-Cd-122



71

48-Cd-122

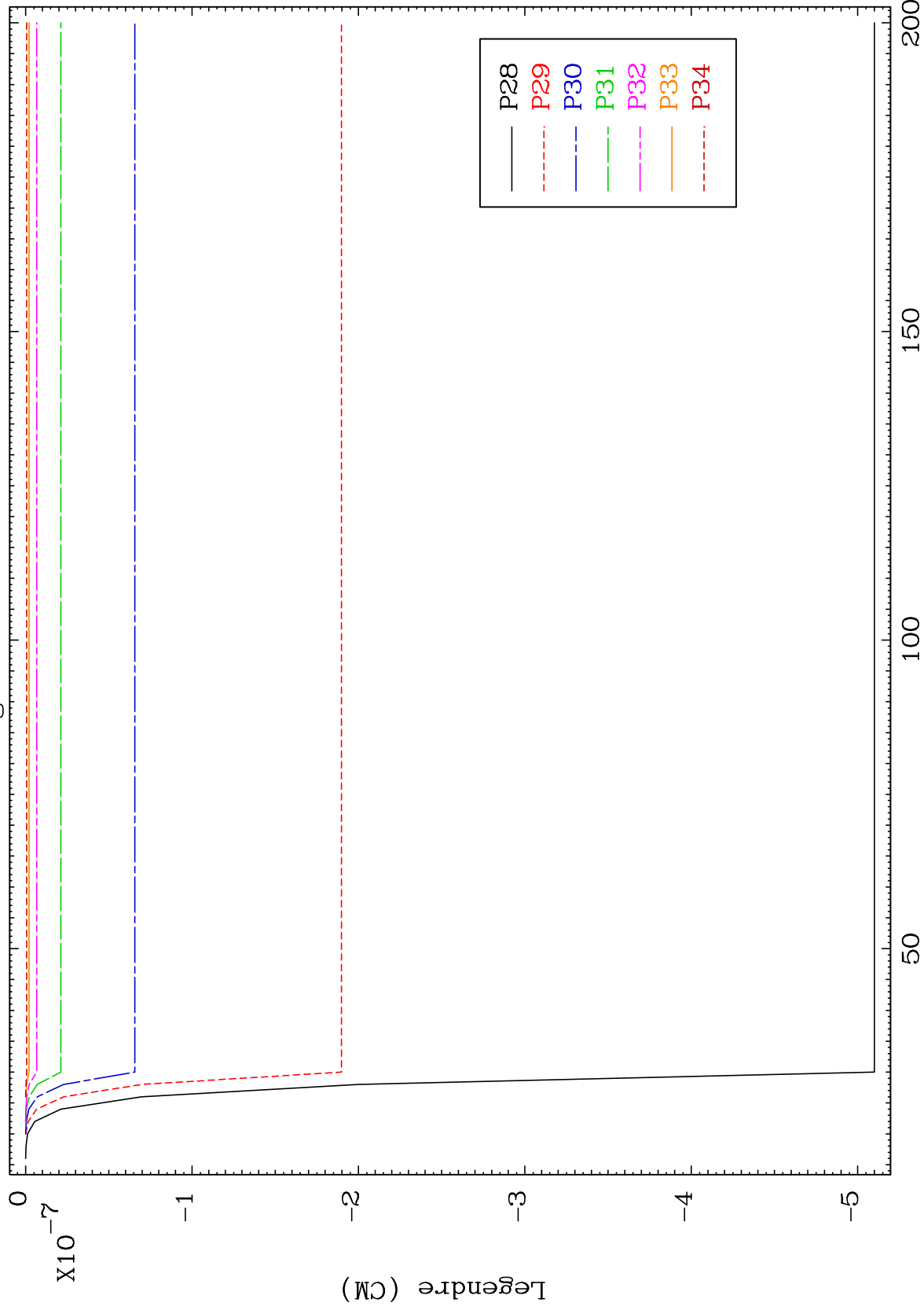


MAT 4873

MT= 65 (n,n') Level

48-Cd-122

Legendre Coefficients



72

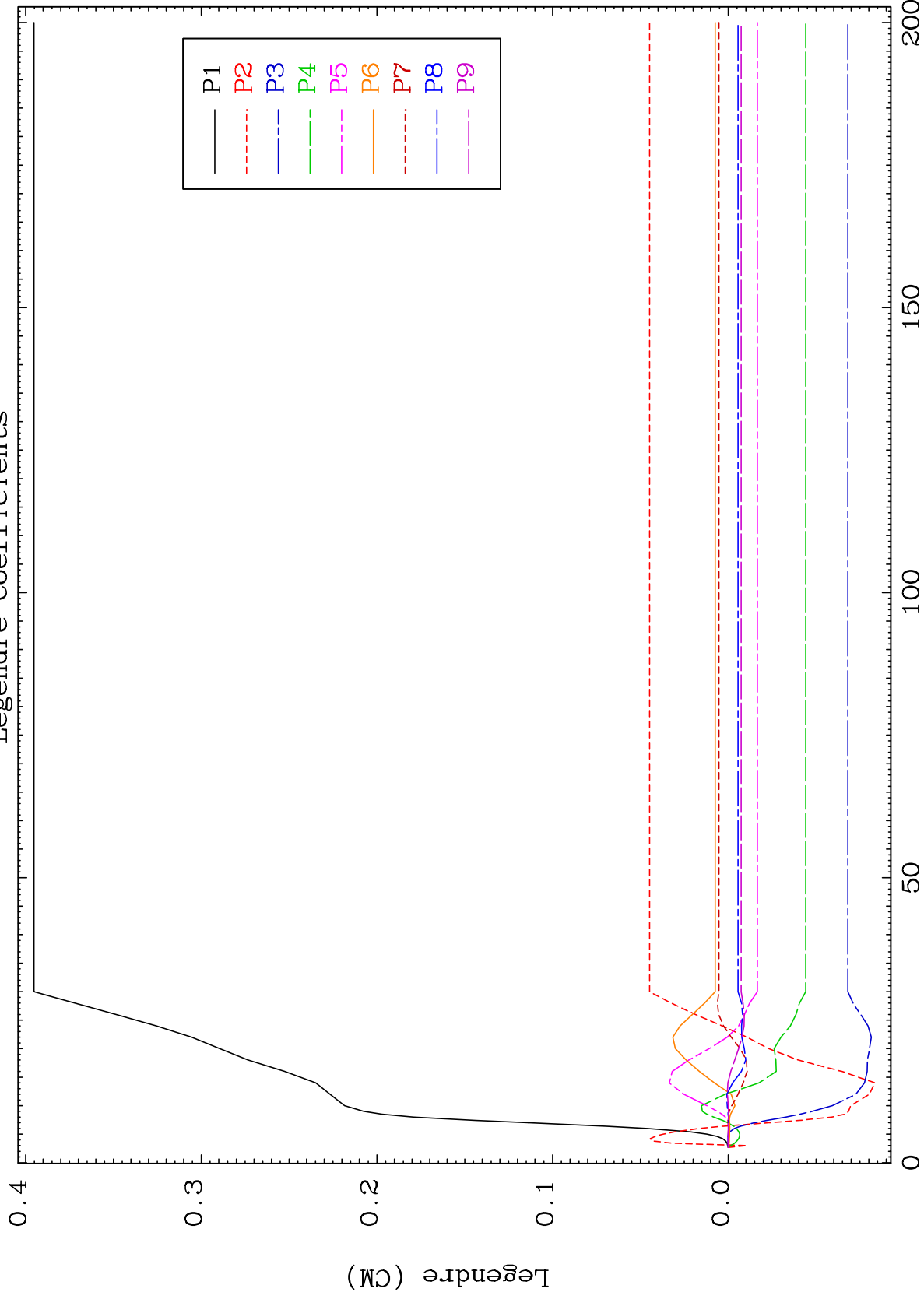
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

48-Cd-122



73

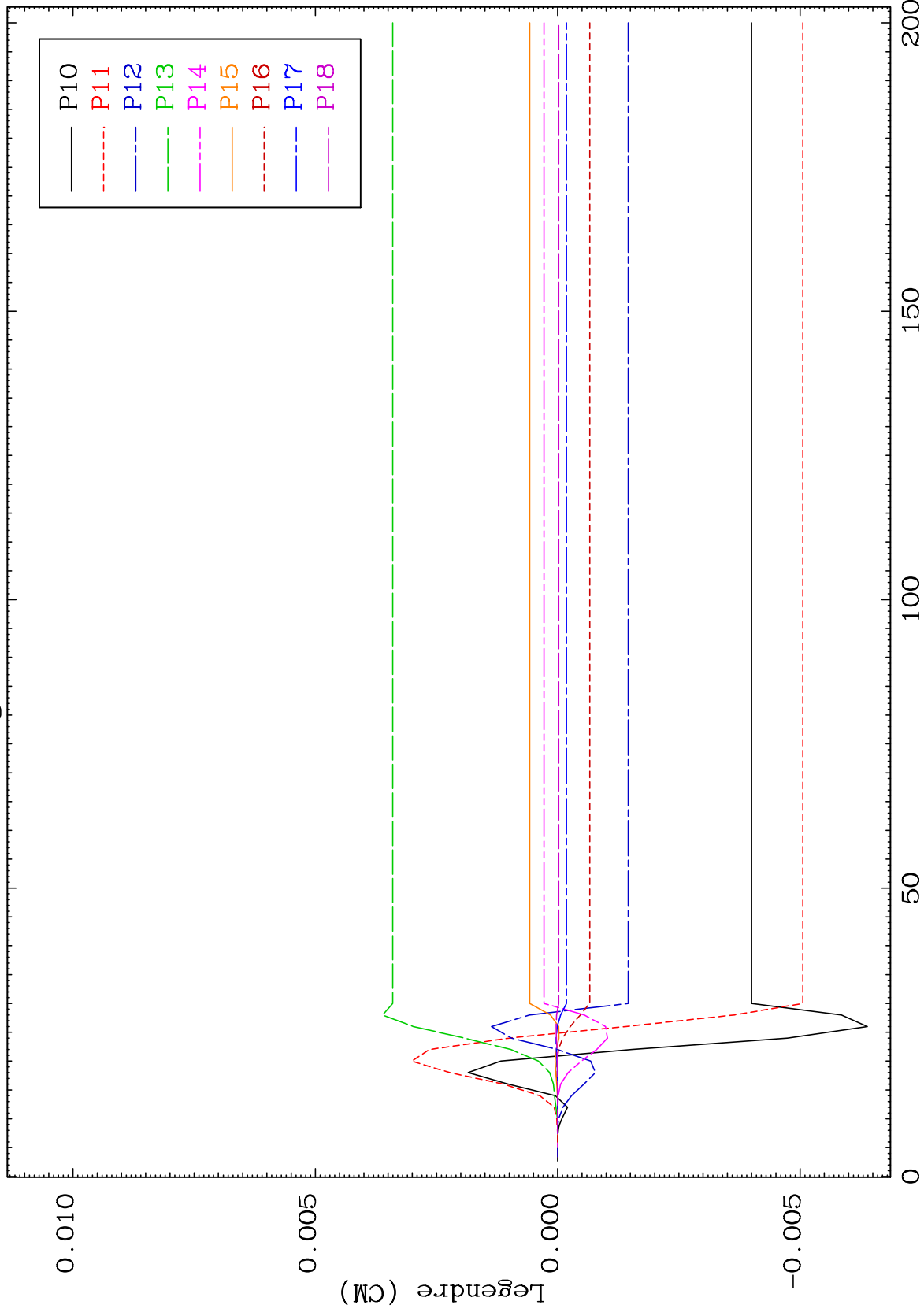
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

48-Cd-122



74

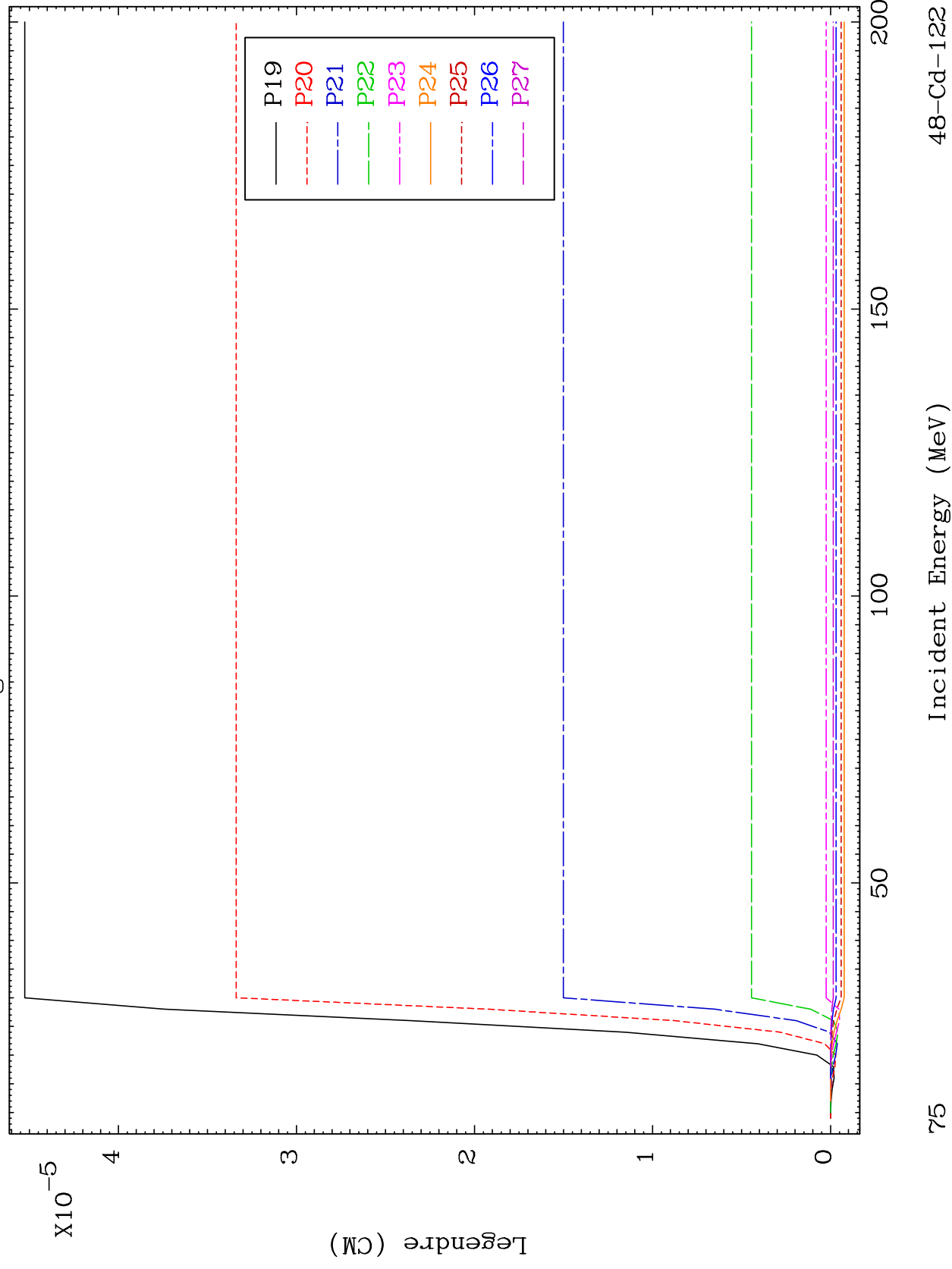
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

48-Cd-122



75

Incident Energy (MeV)

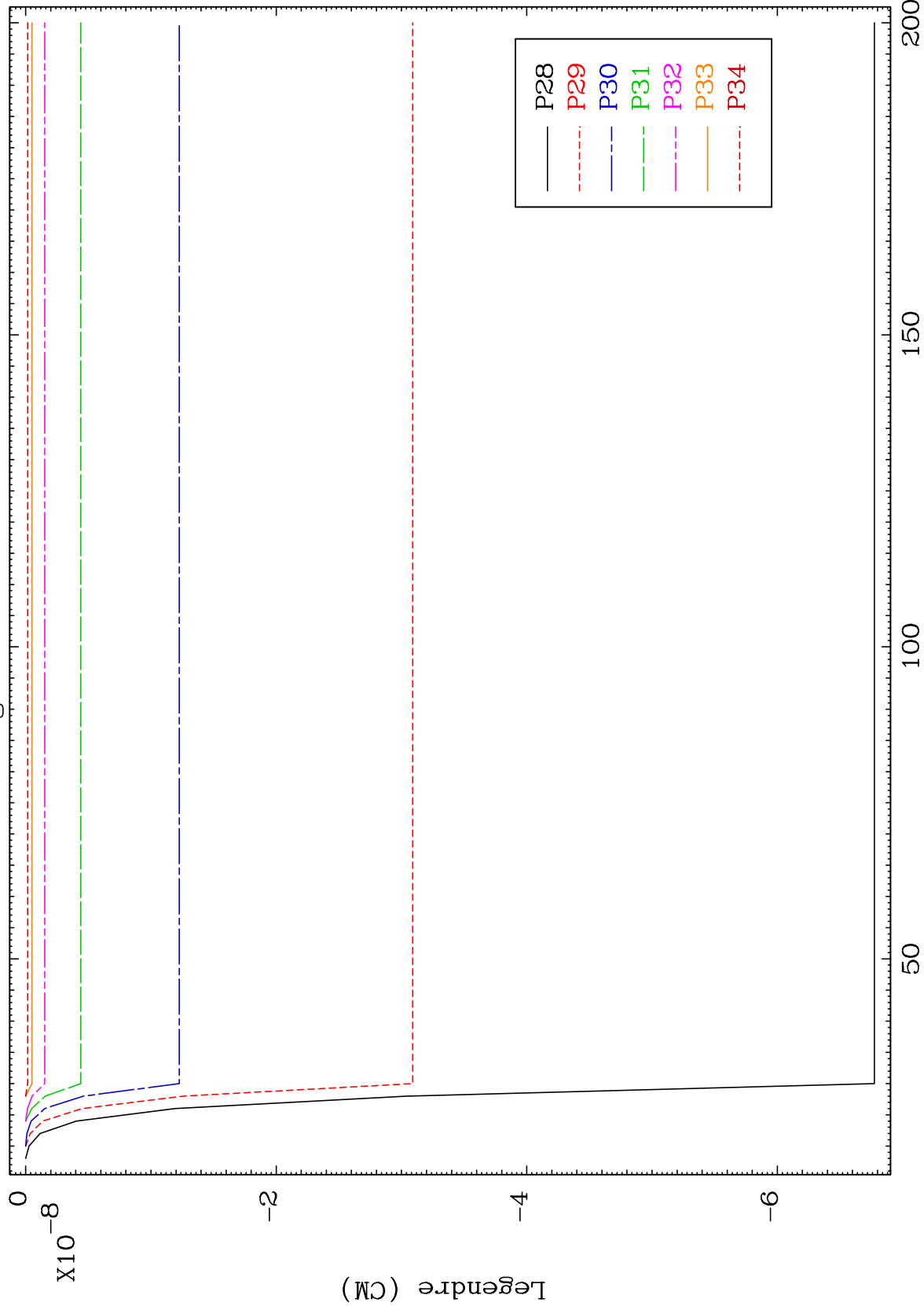
48-Cd-122

MAT 4873

MT= 66 (n,n') Level

48-Cd-122

Legendre Coefficients



76

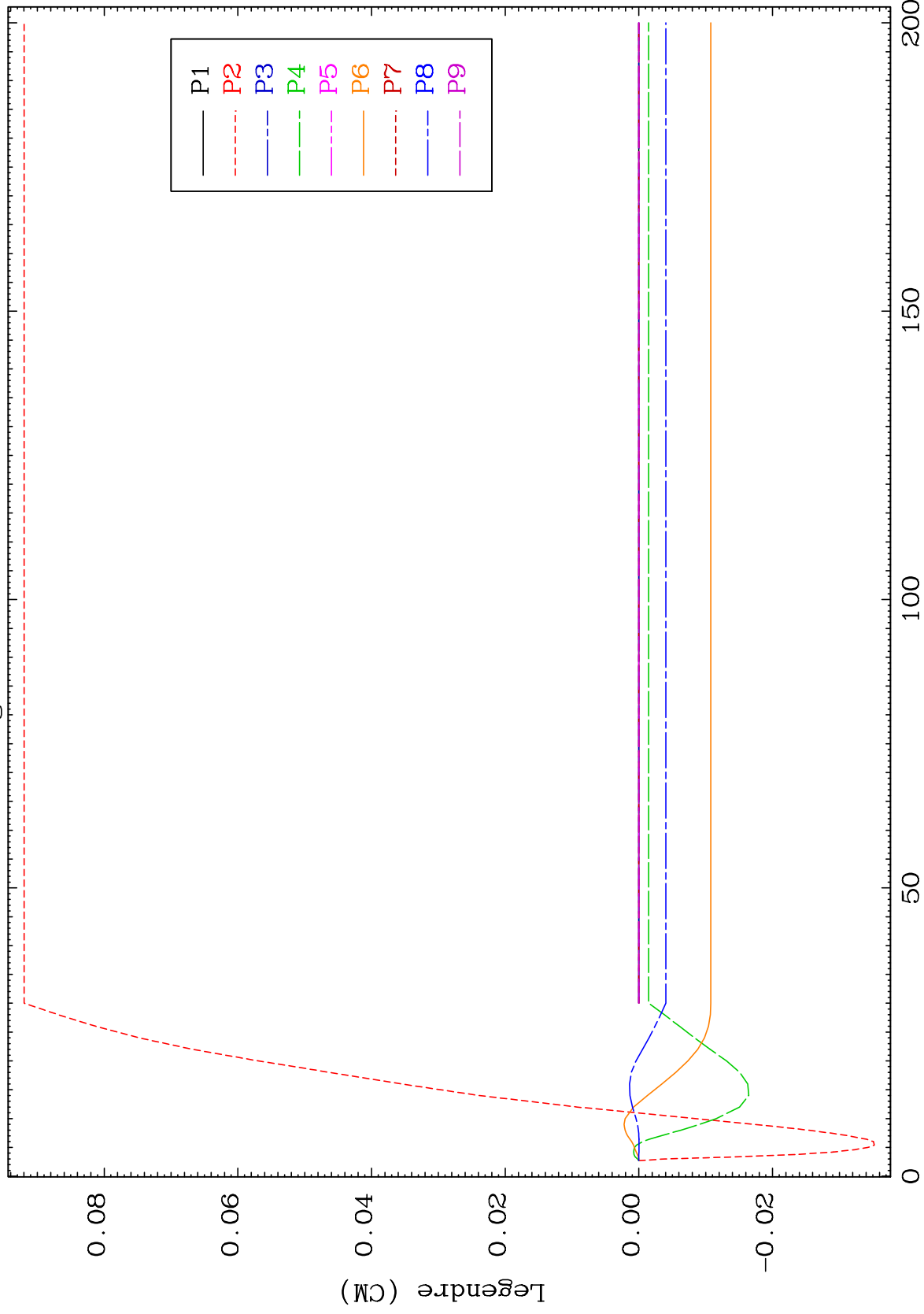
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

48-Cd-122



77

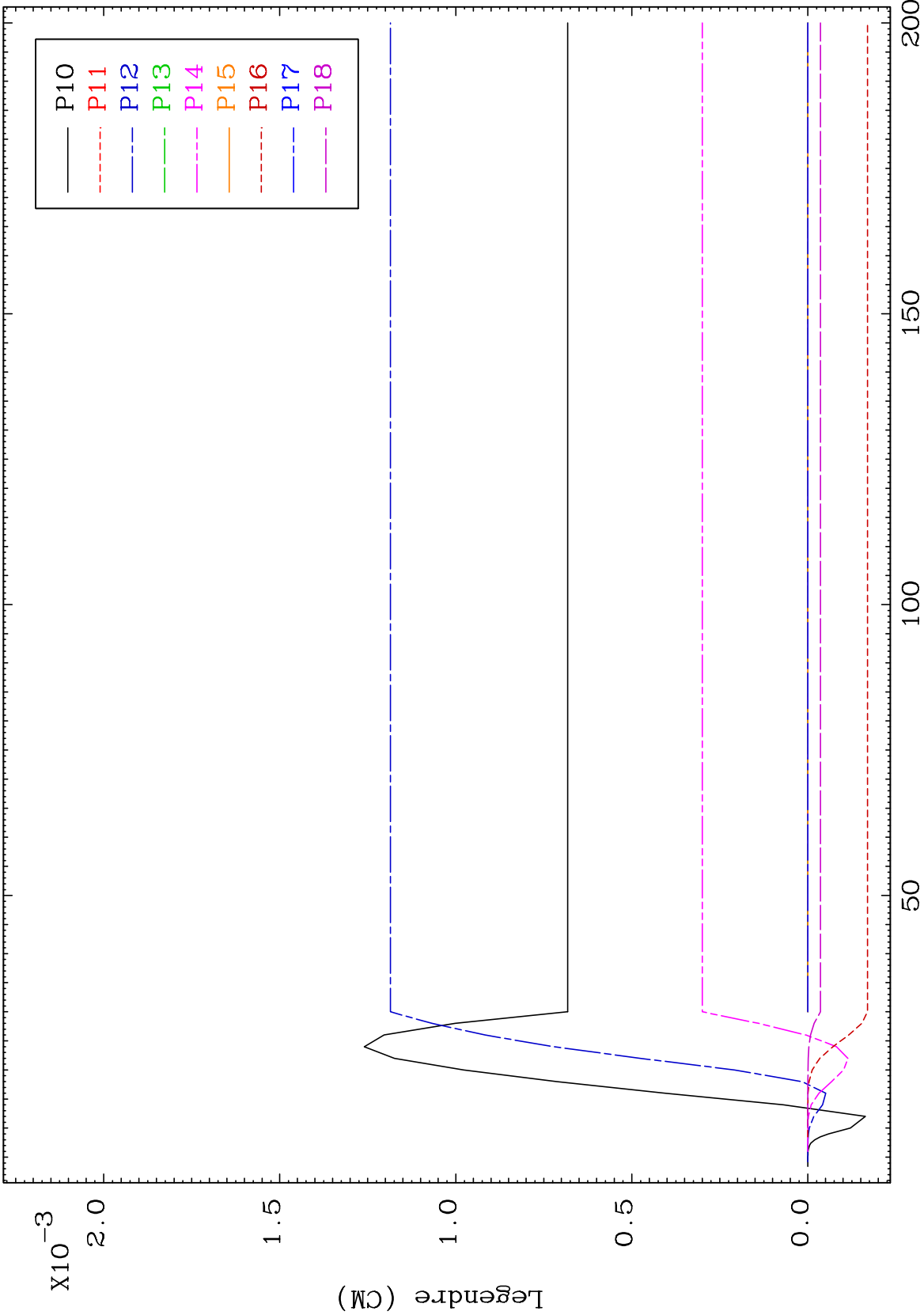
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

48-Cd-122



78

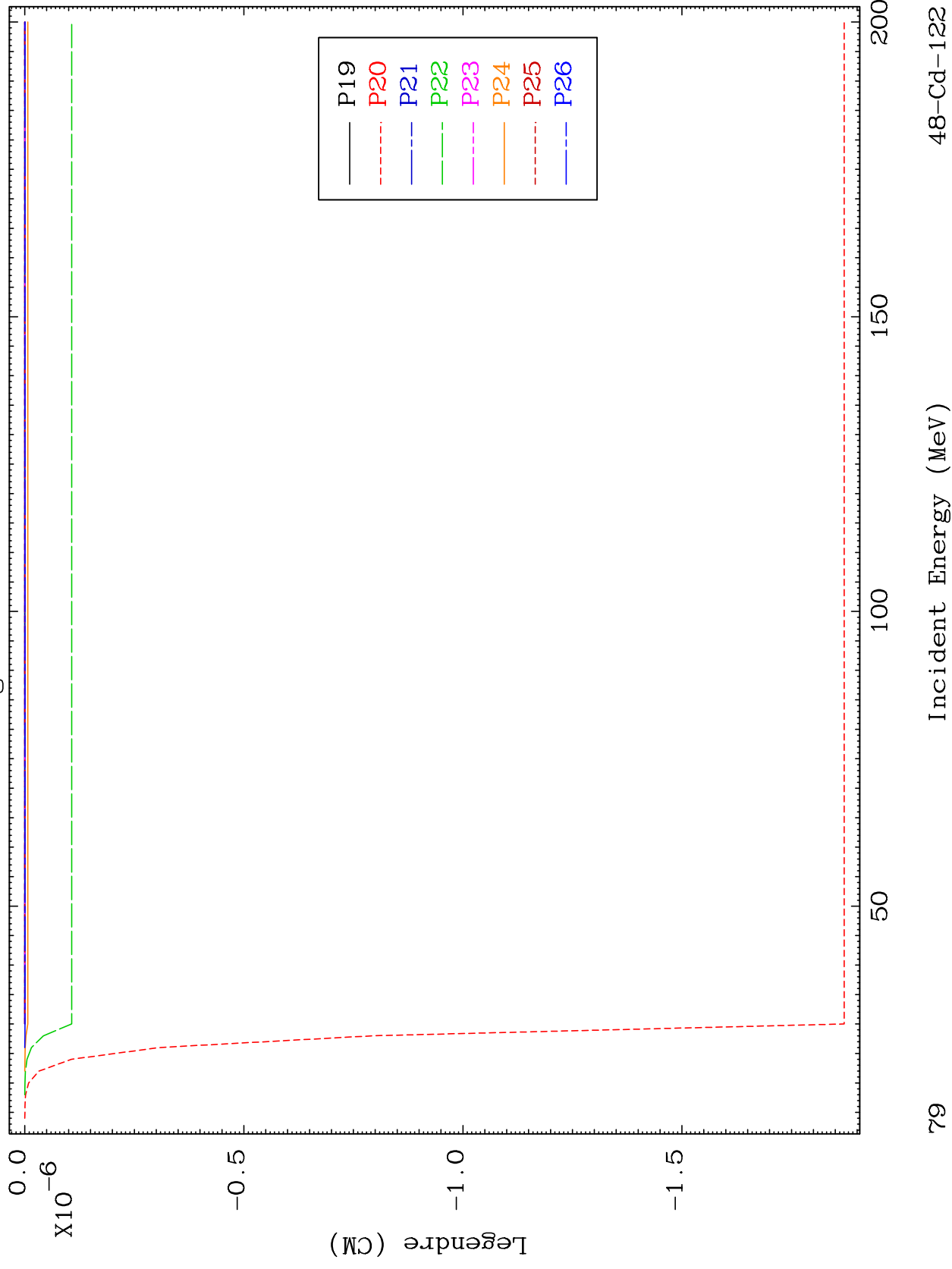
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

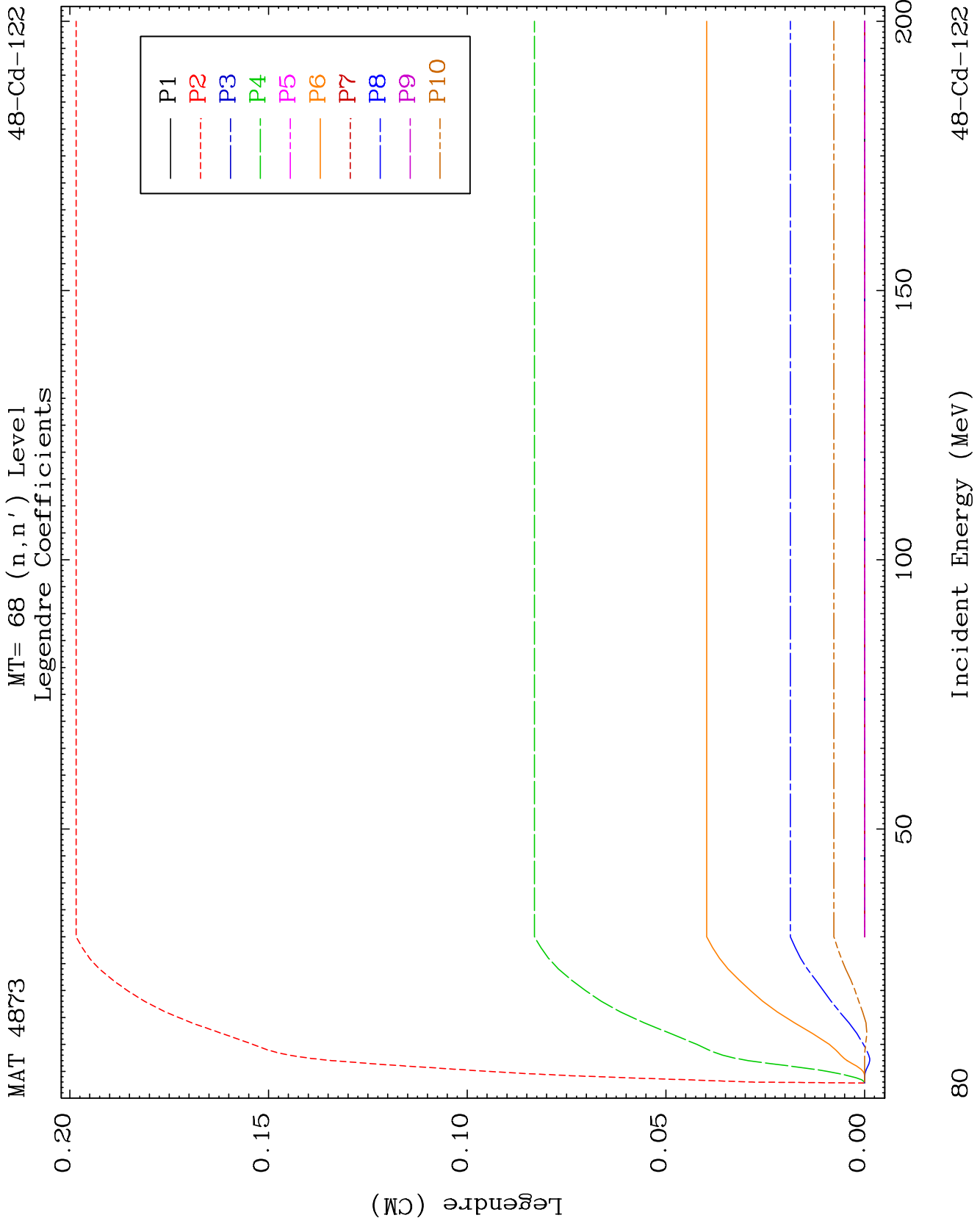
48-Cd-122



79

48-Cd-122

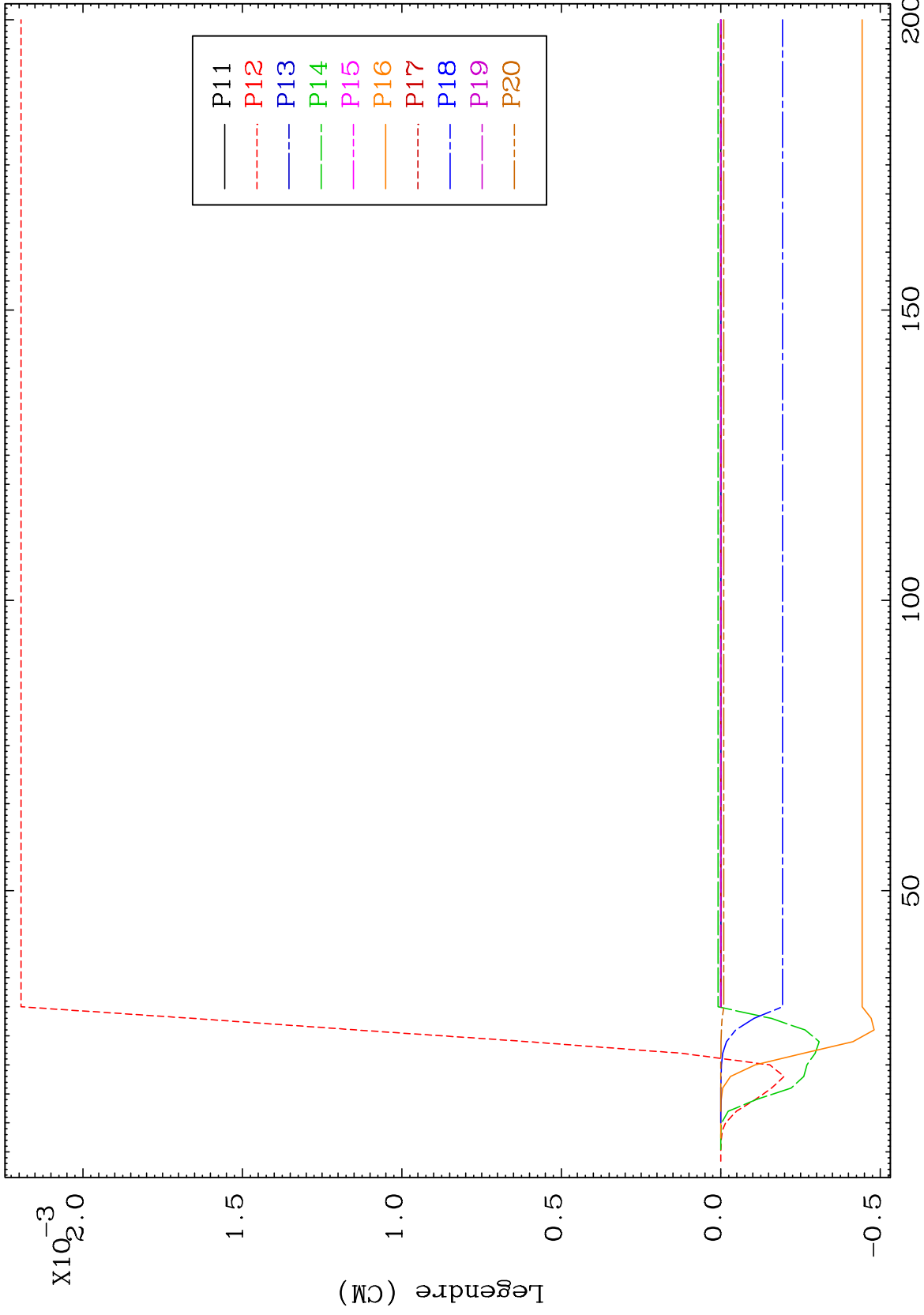




MAT 4873

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

48-Cd-122



81

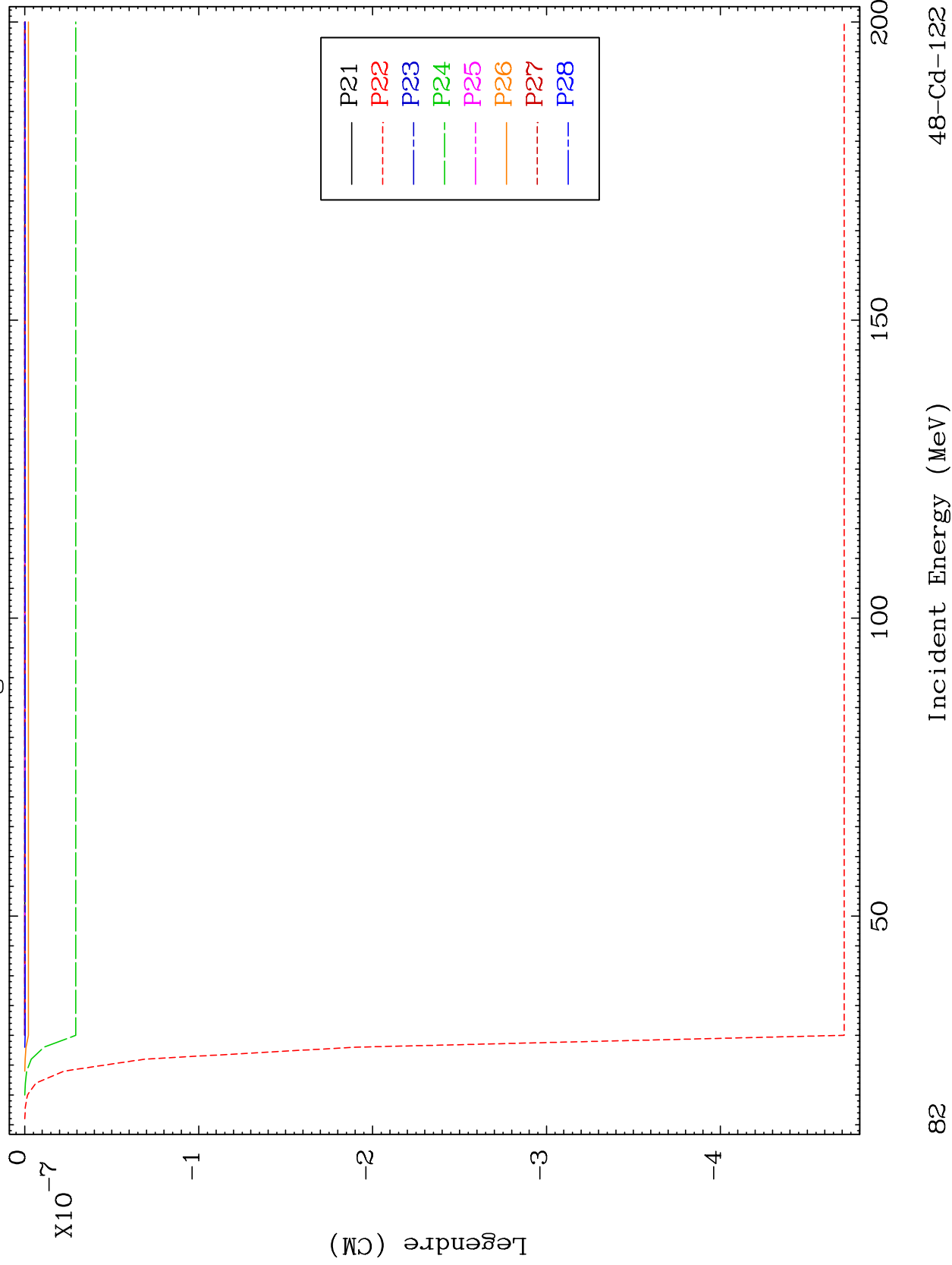
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

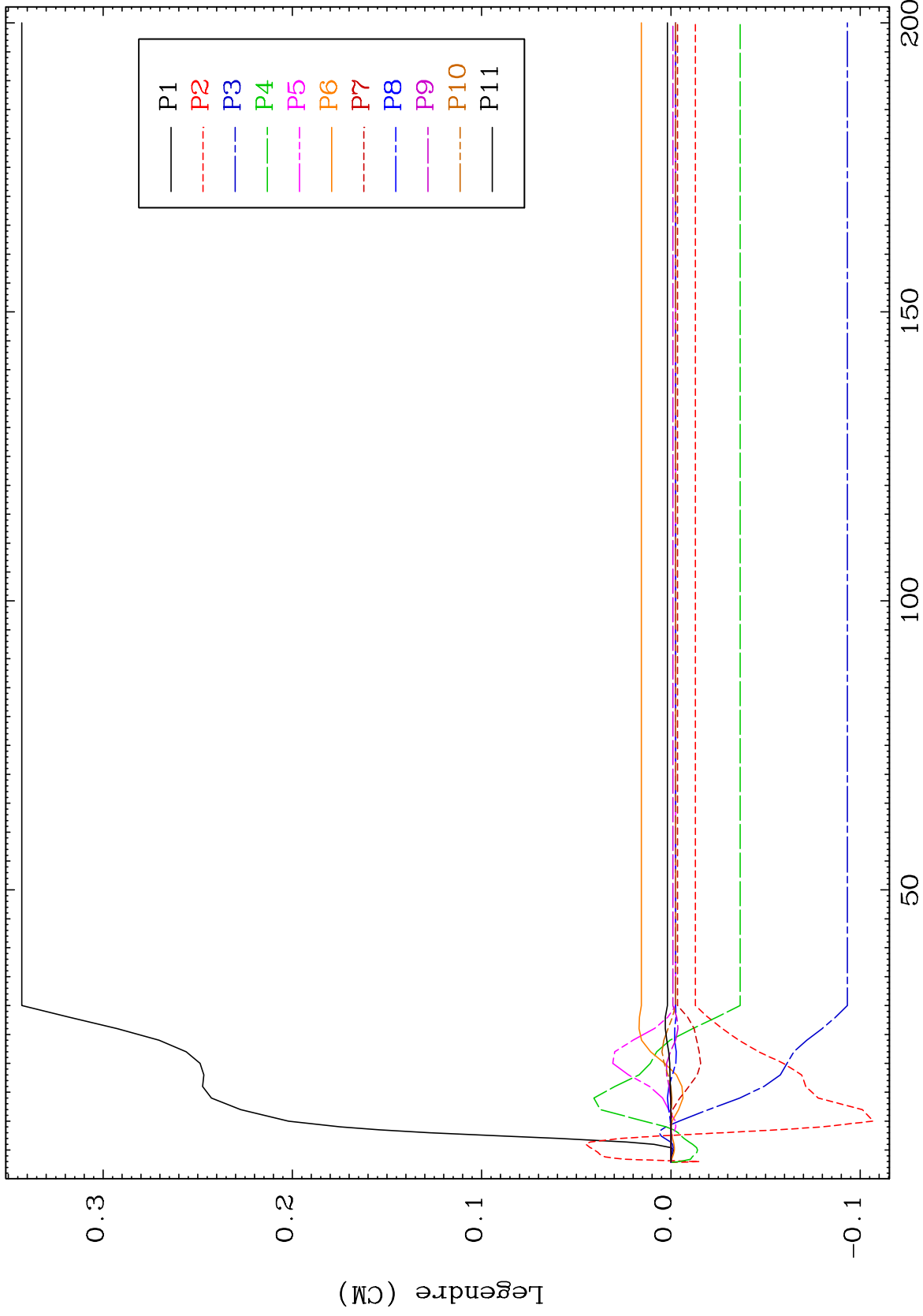
48-Cd-122



MAT 4873

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

48-Cd-122



83

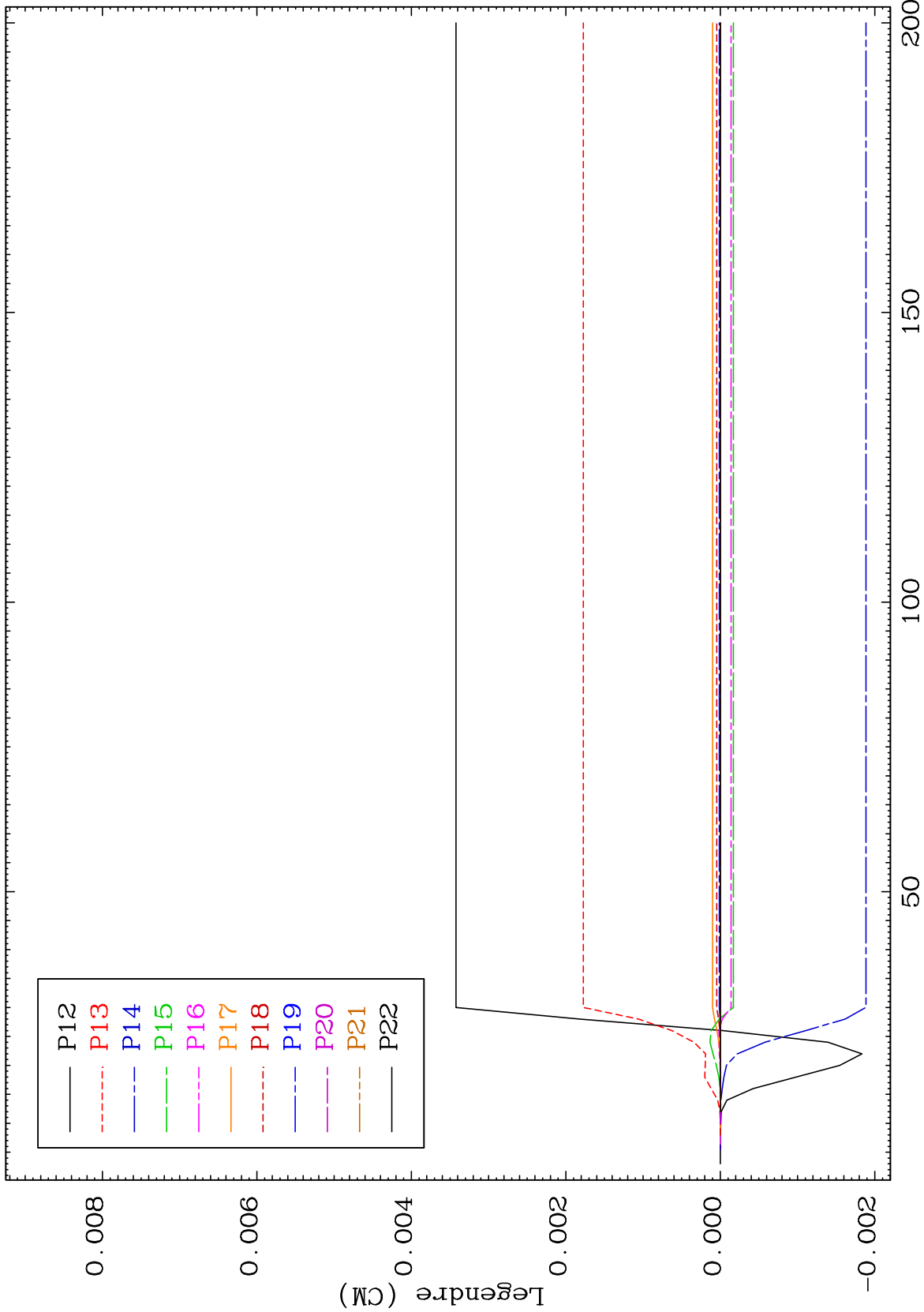
Incident Energy (MeV)

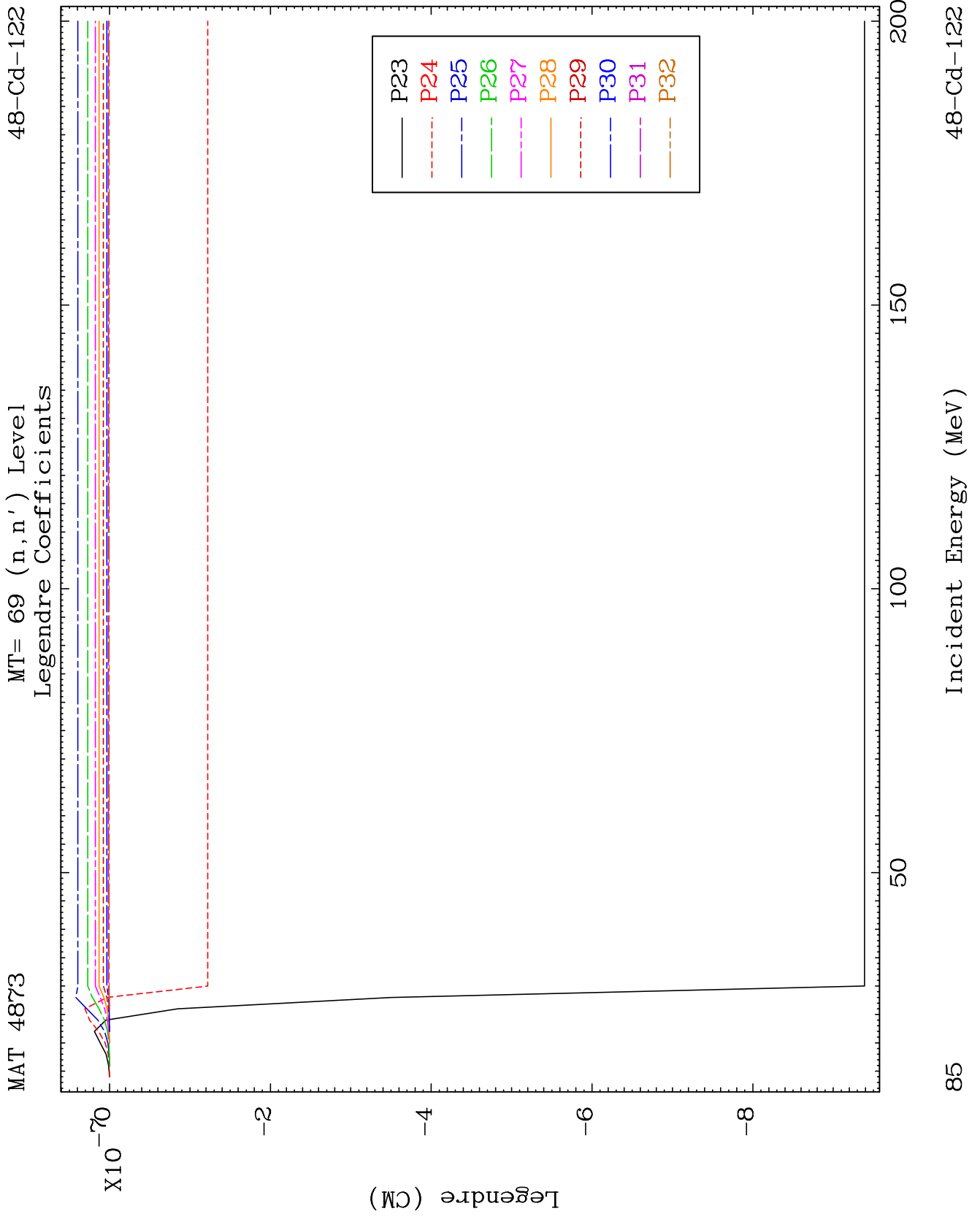
48-Cd-122

MAT 4873

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

48-Cd-122

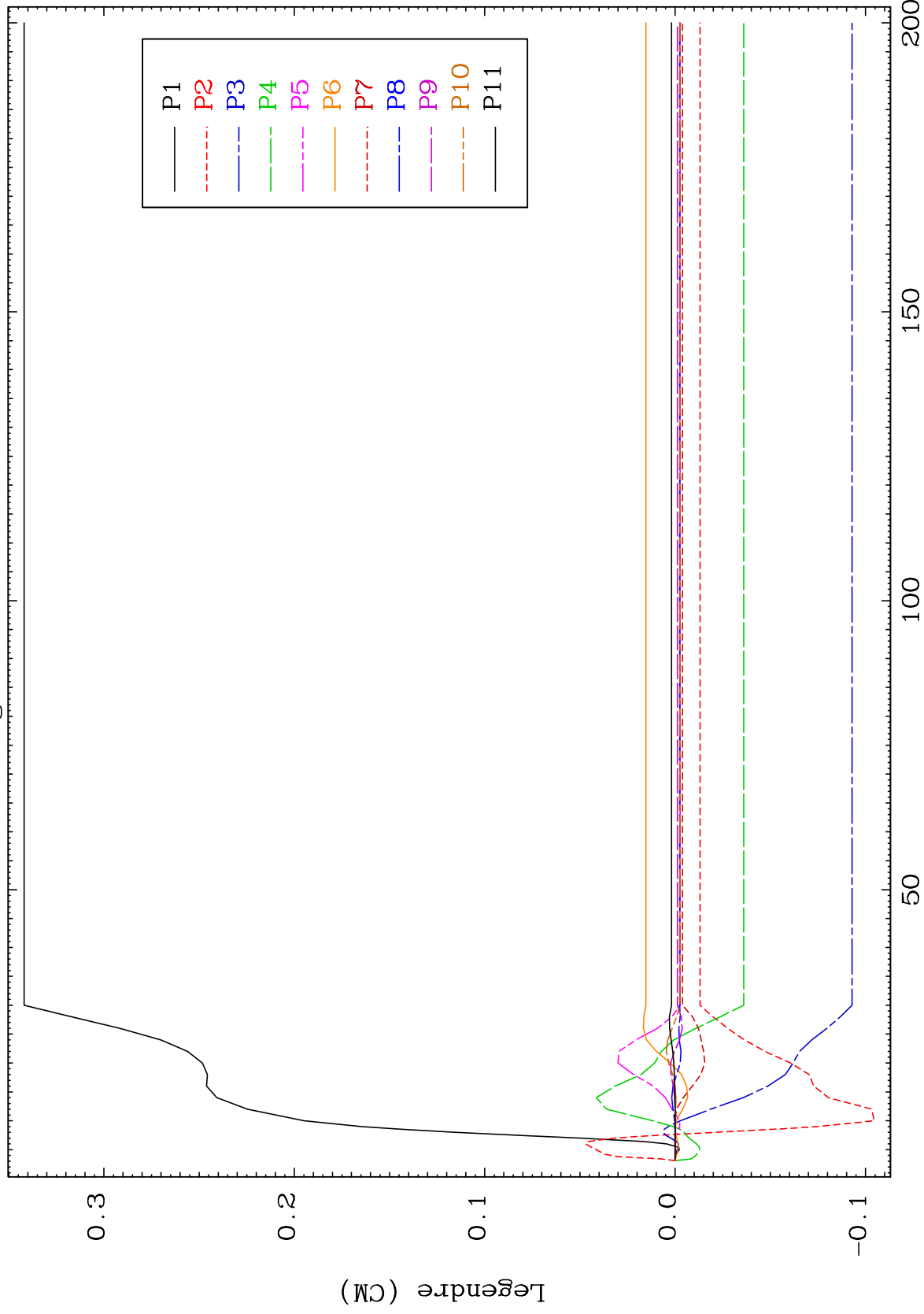




MAT 4873

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

48-Cd-122



86

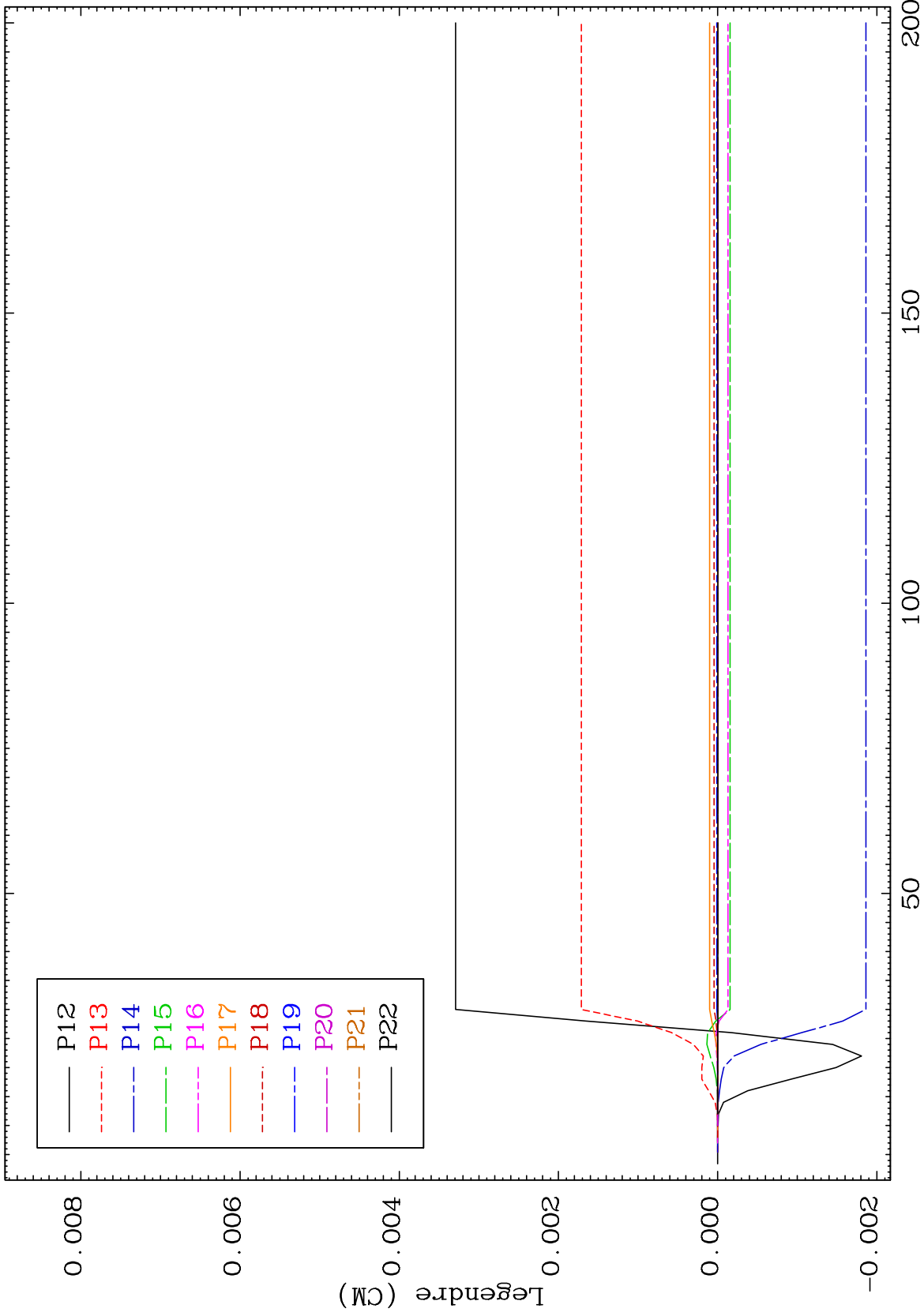
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

48-Cd-122



87

Incident Energy (MeV)

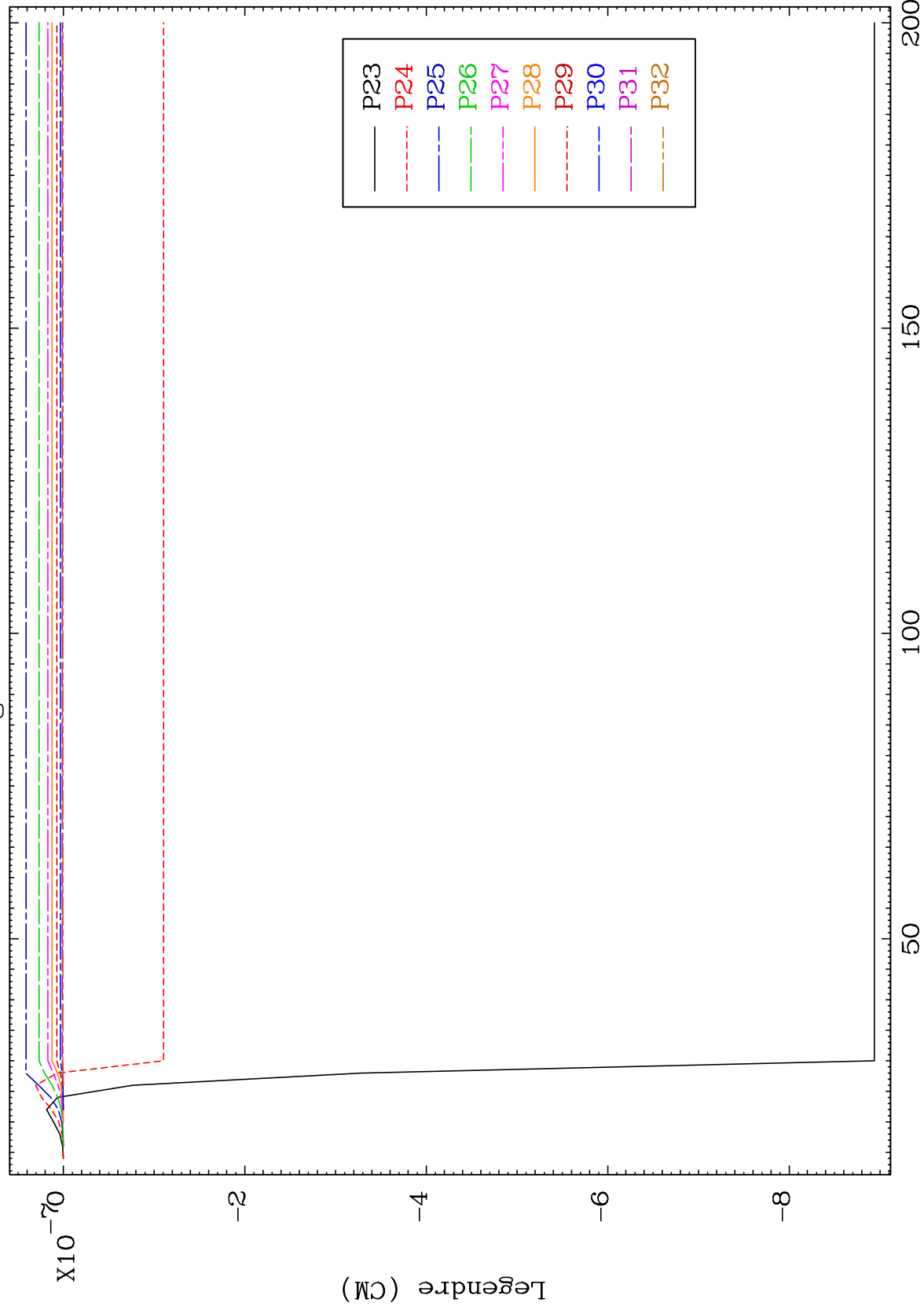
48-Cd-122



MAT 4873

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

48-Cd-122



88

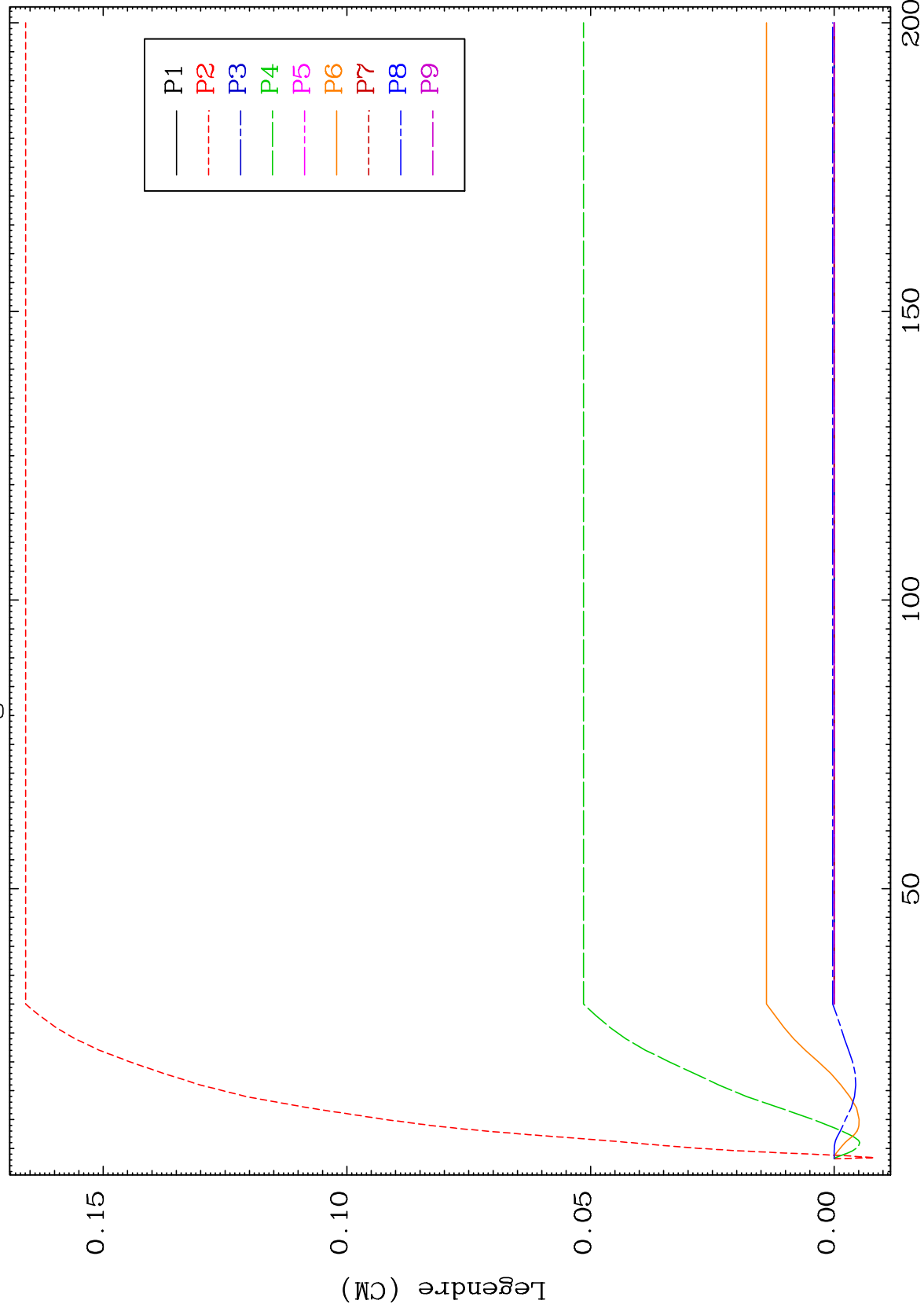
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

48-Cd-122



89

Incident Energy (MeV)

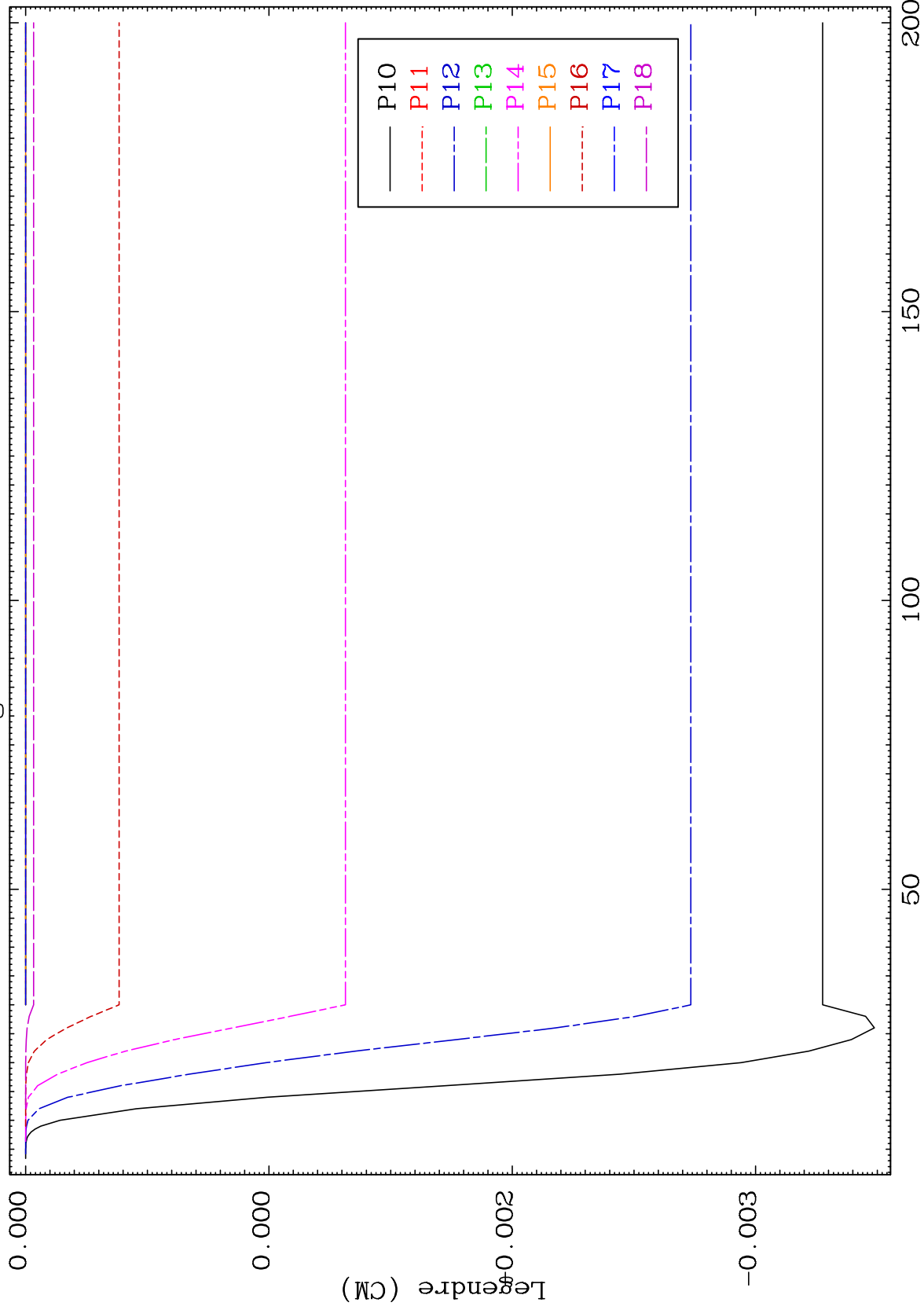
48-Cd-122

MAT 4873

MT= 71 (n,n') Level

48-Cd-122

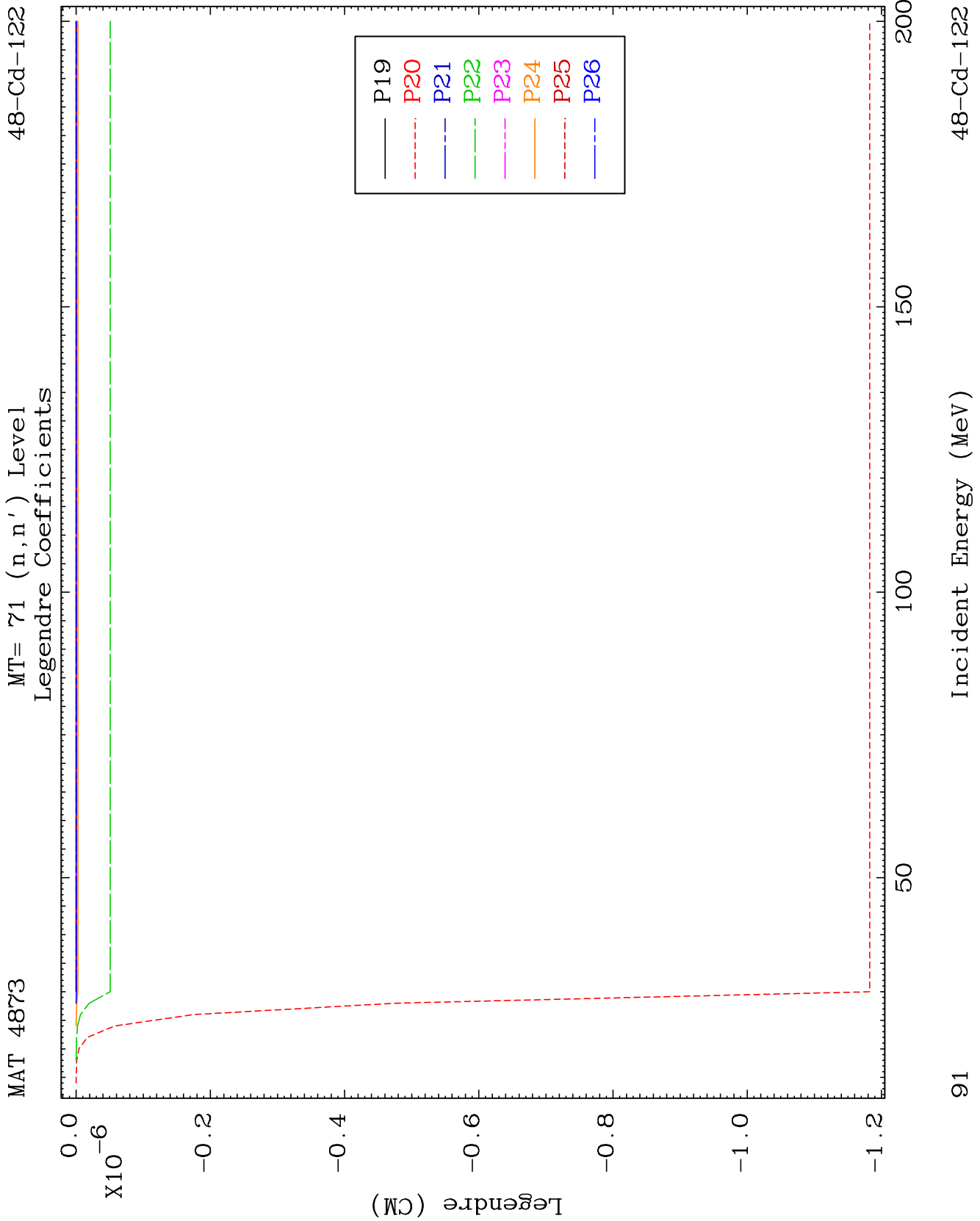
Legendre Coefficients



48-Cd-122

Incident Energy (MeV)

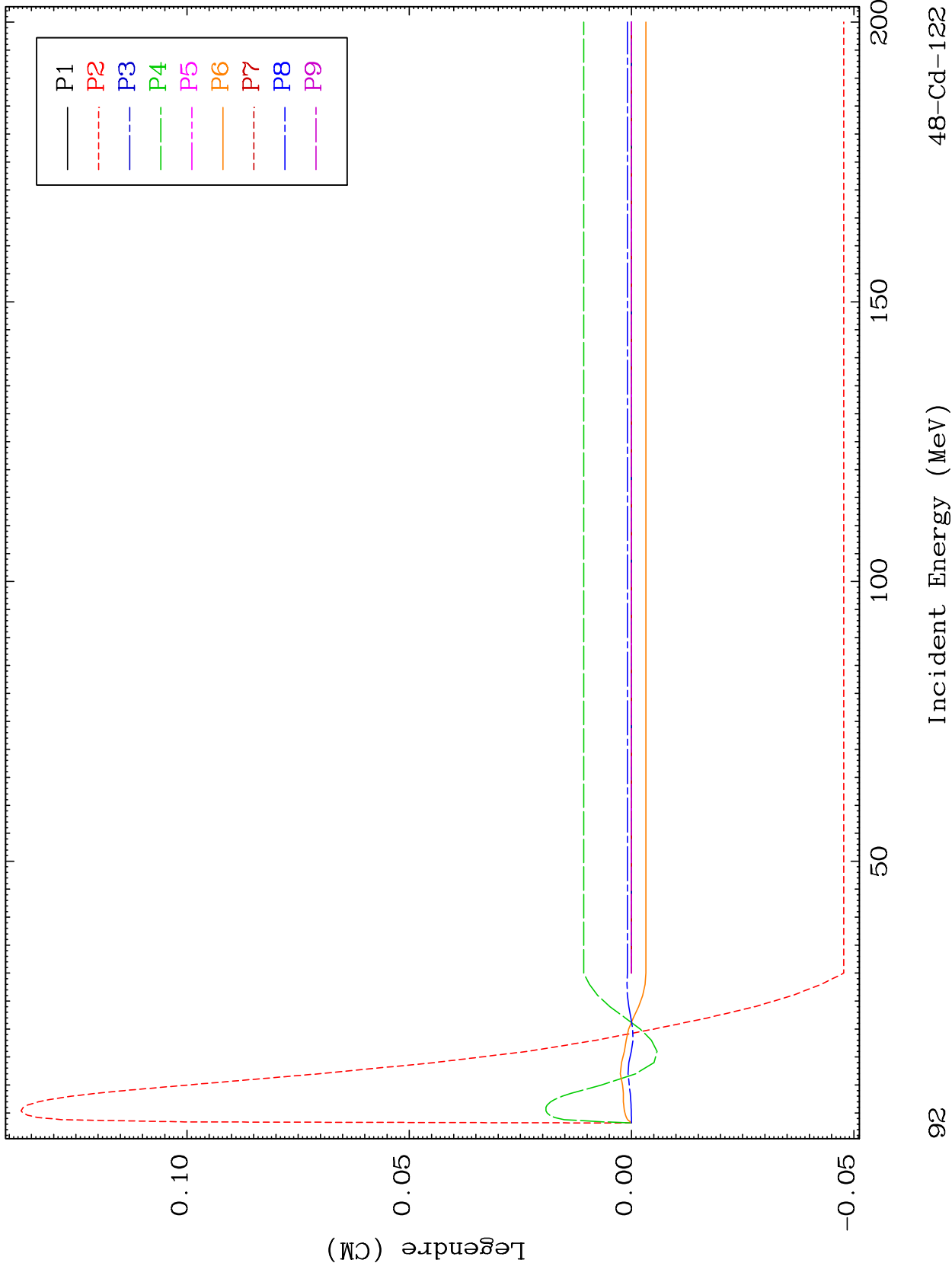
90



MAT 4873

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

48-Cd-122



92

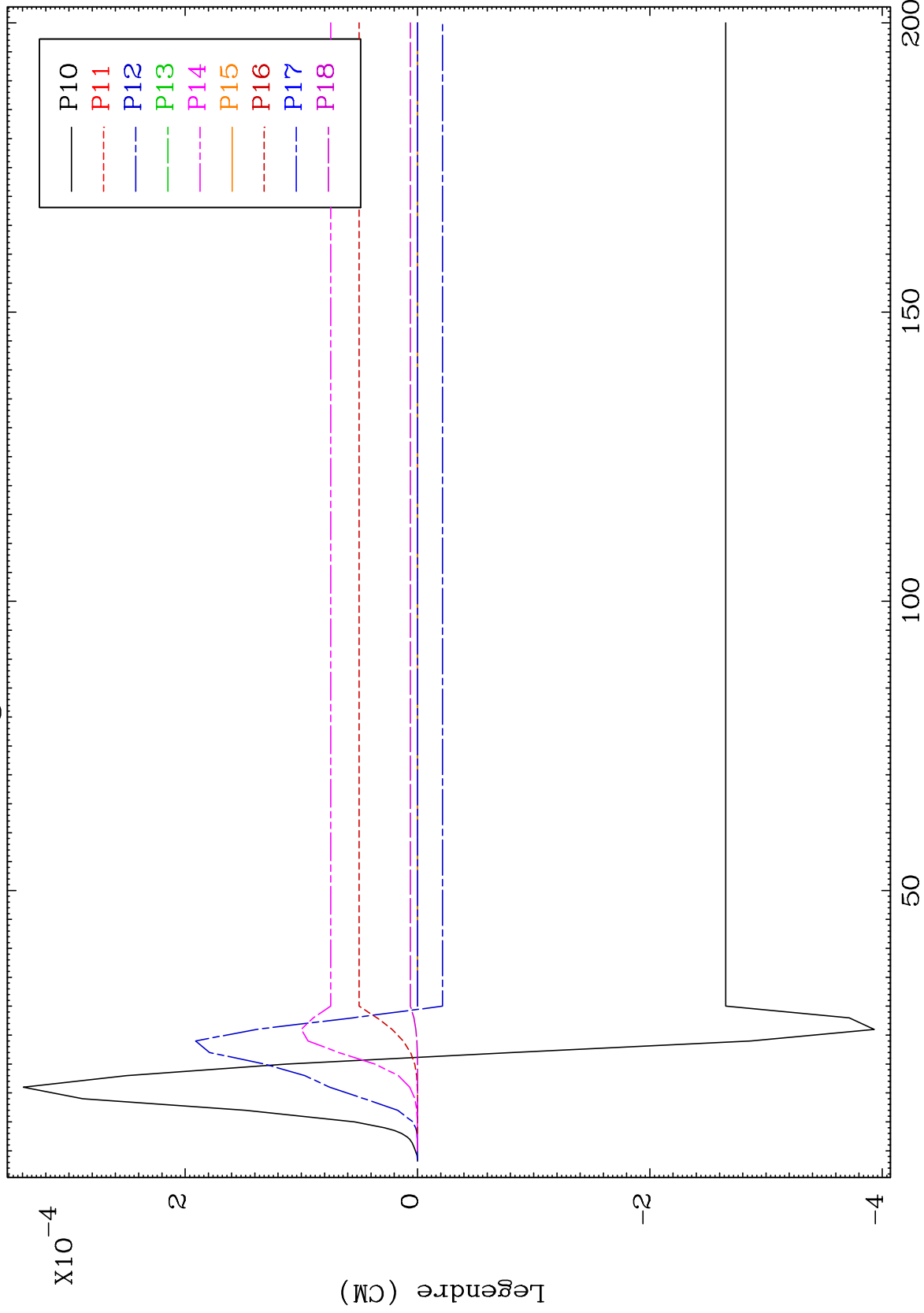
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

48-Cd-122



93

Incident Energy (MeV)

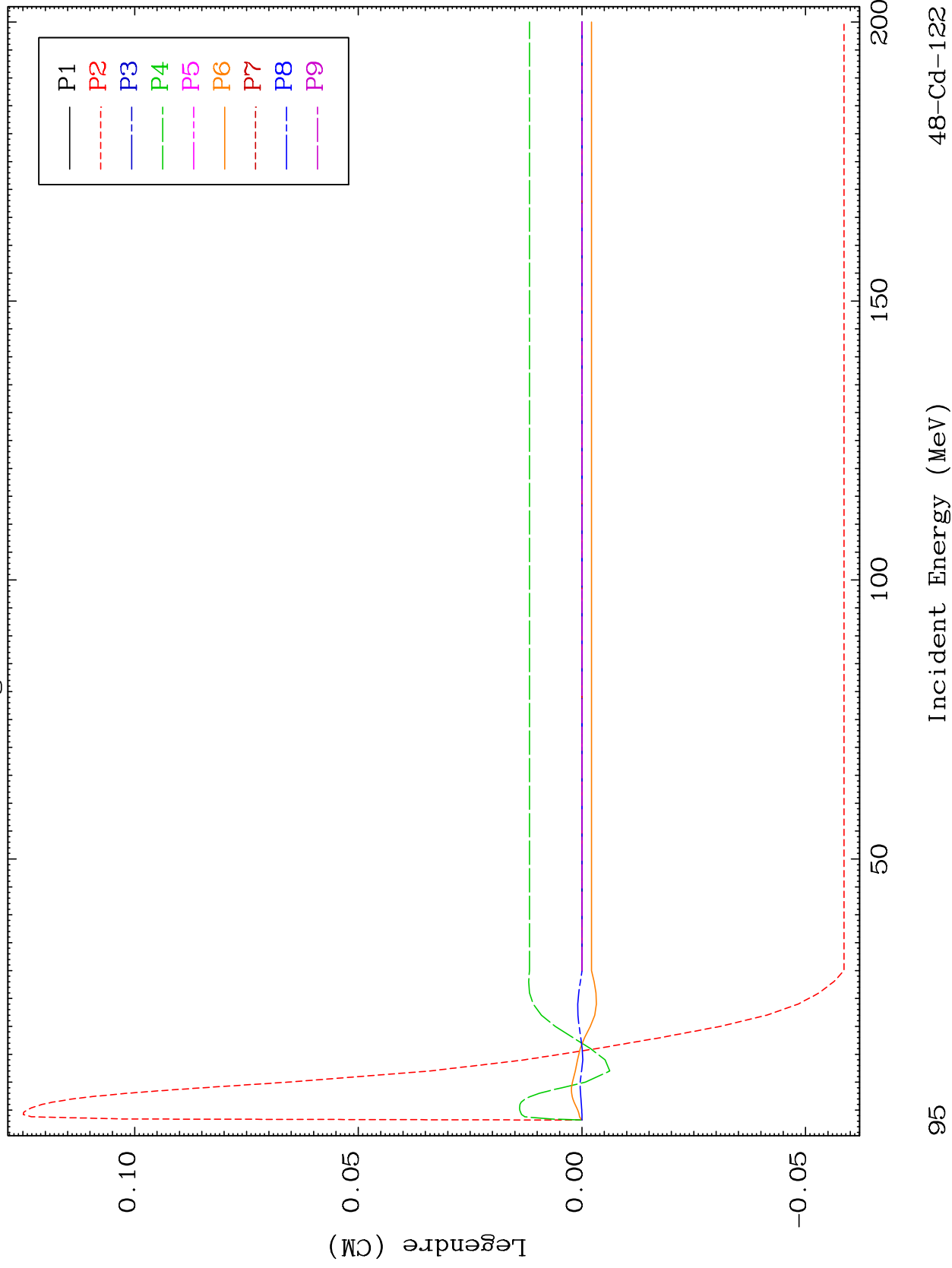
48-Cd-122



MAT 4873

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

48-Cd-122

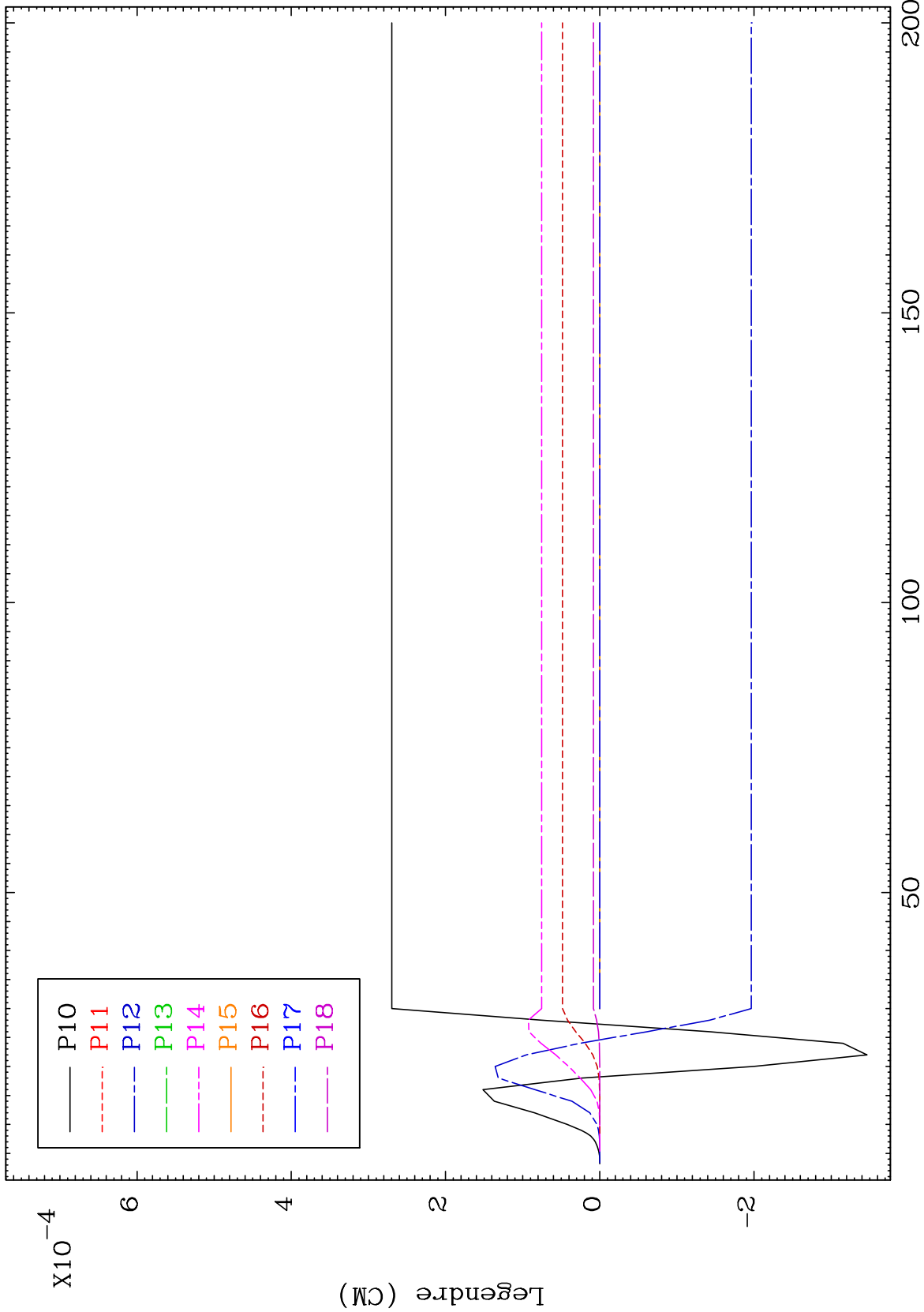


48-Cd-122

Incident Energy (MeV)

95

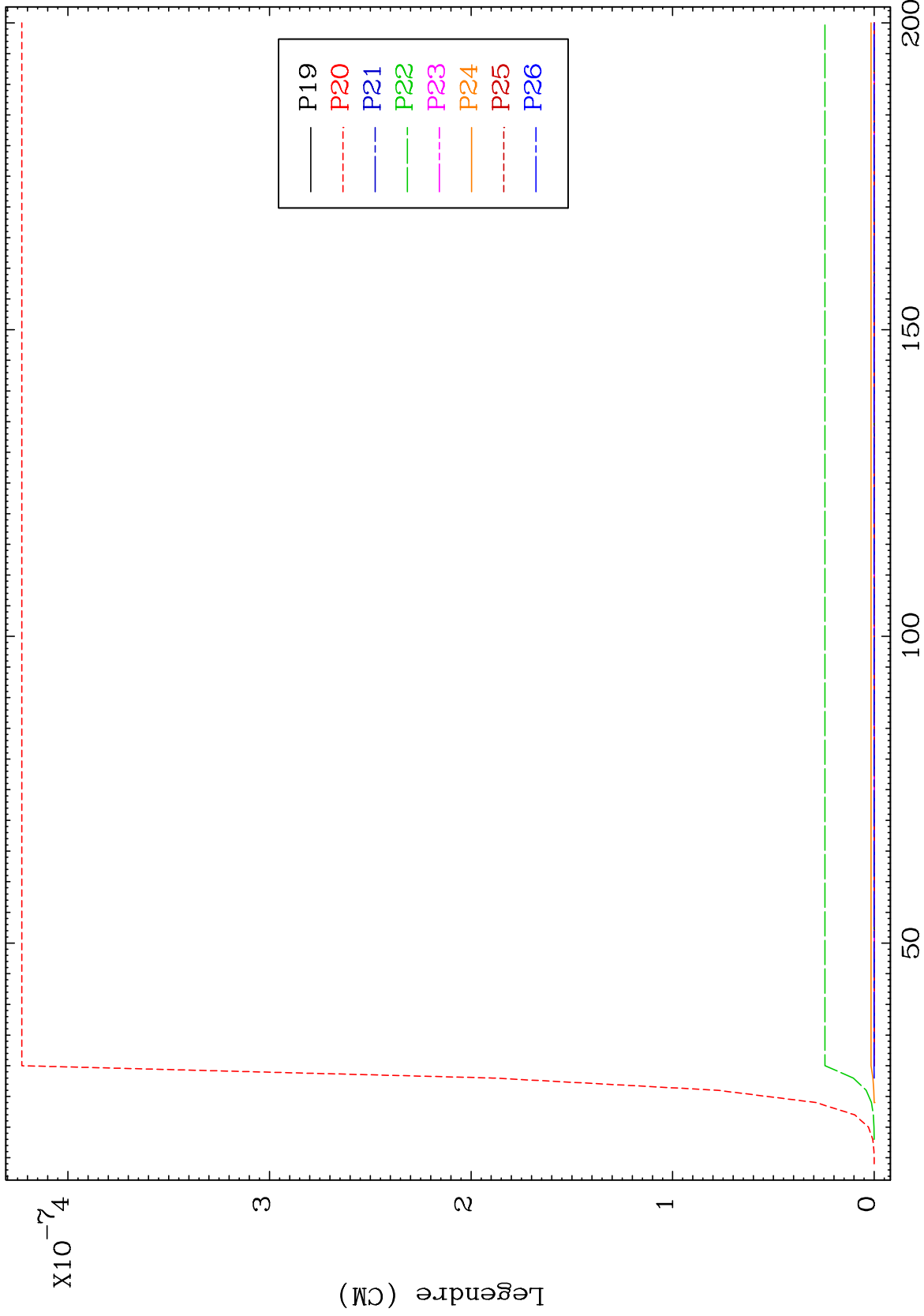




MAT 4873

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

48-Cd-122



97

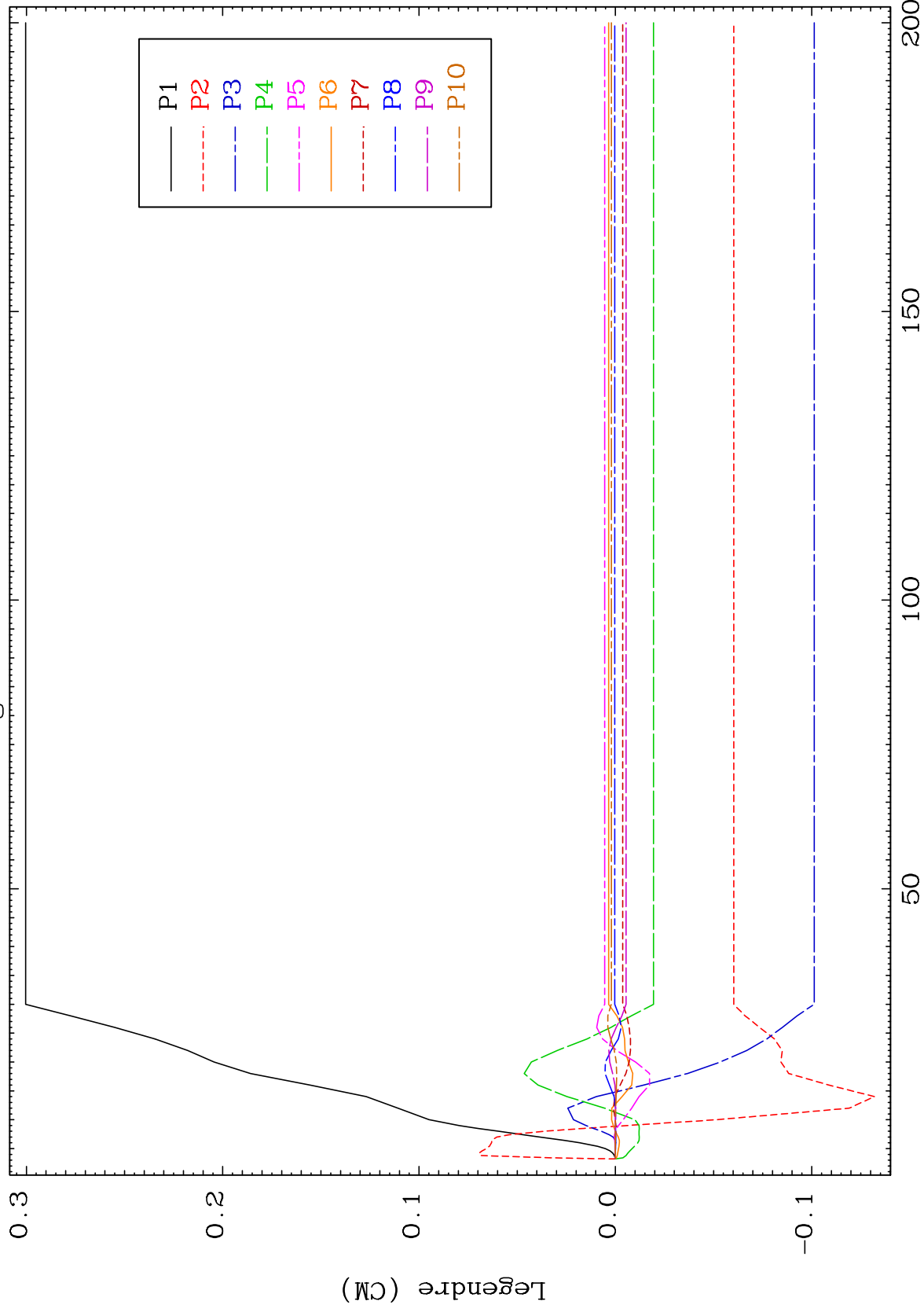
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

48-Cd-122



98

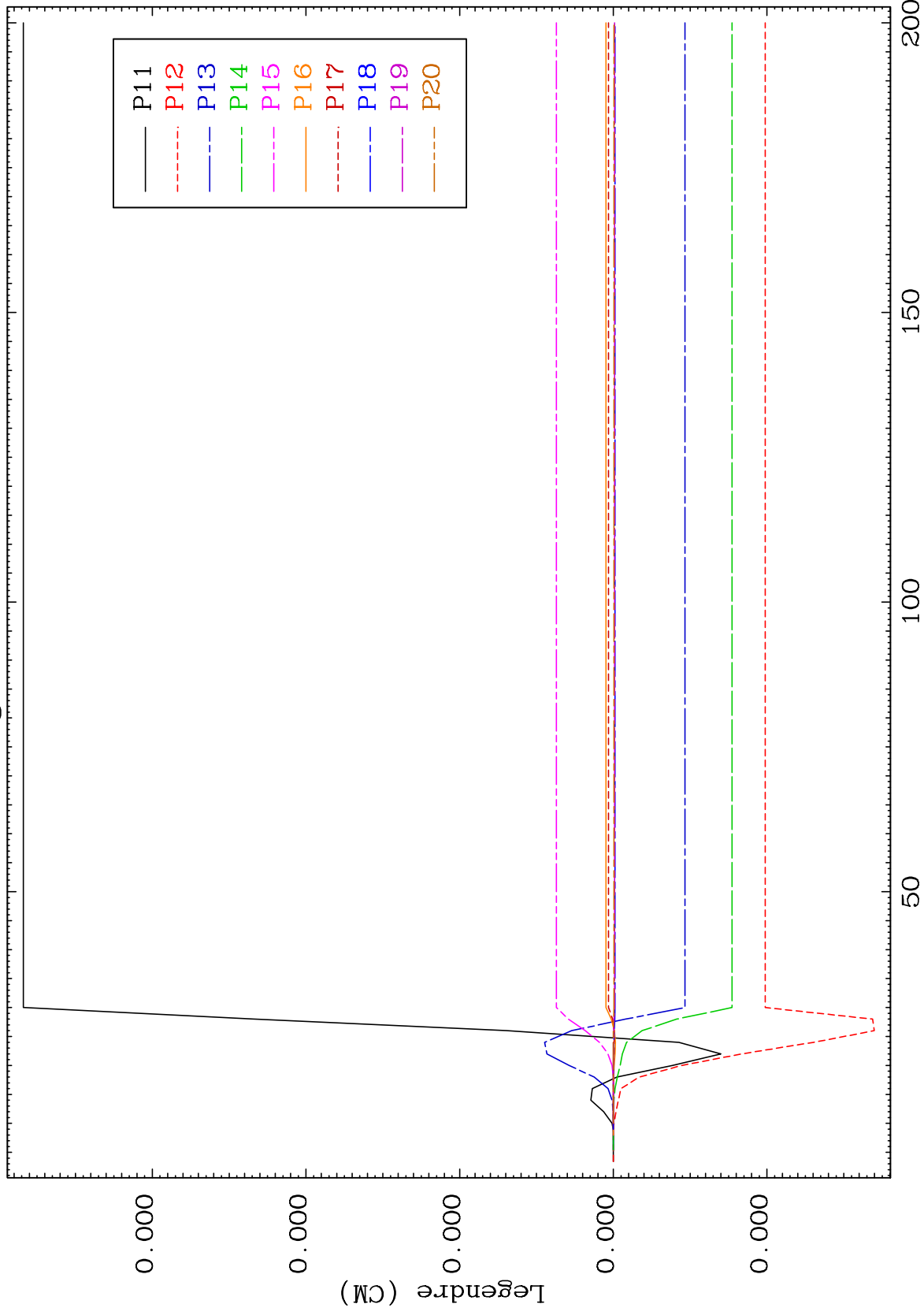
Incident Energy (MeV)

48-Cd-122

MAT 4873

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

48-Cd-122



99

Incident Energy (MeV)

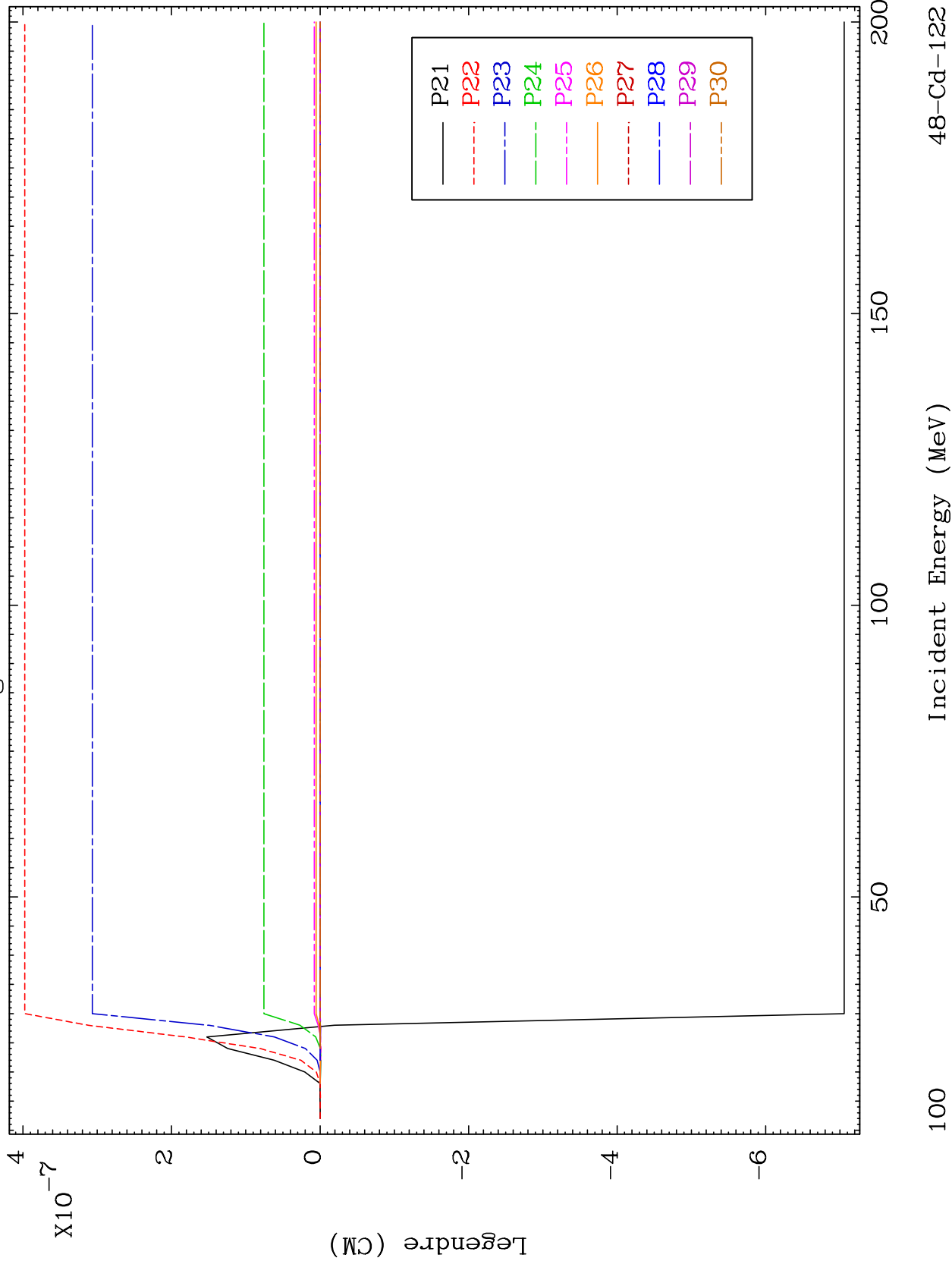
48-Cd-122

MAT 4873

MT= 74 (n,n') Level

48-Cd-122

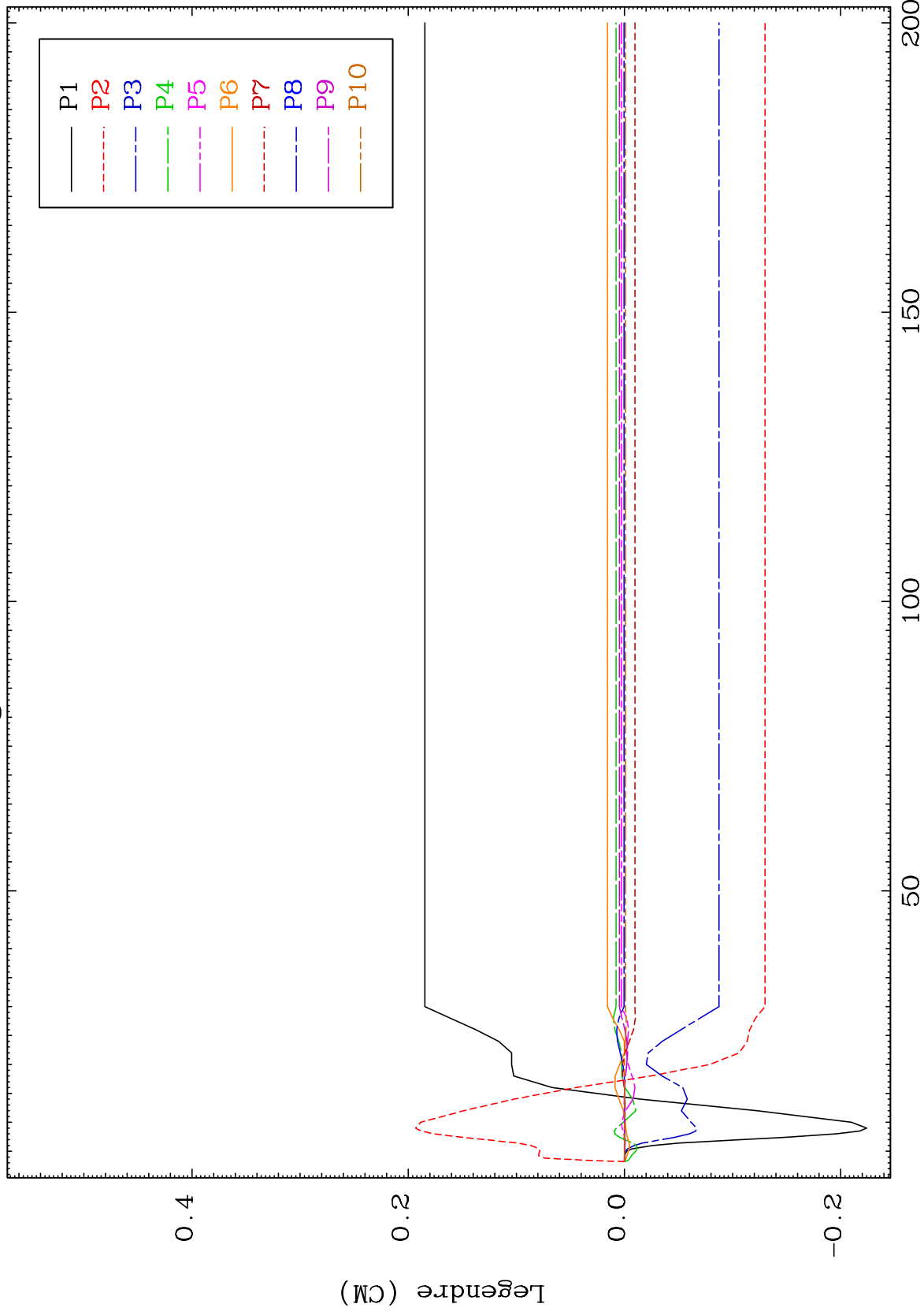
Legendre Coefficients



MAT 4873

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

48-Cd-122



101

Incident Energy (MeV)

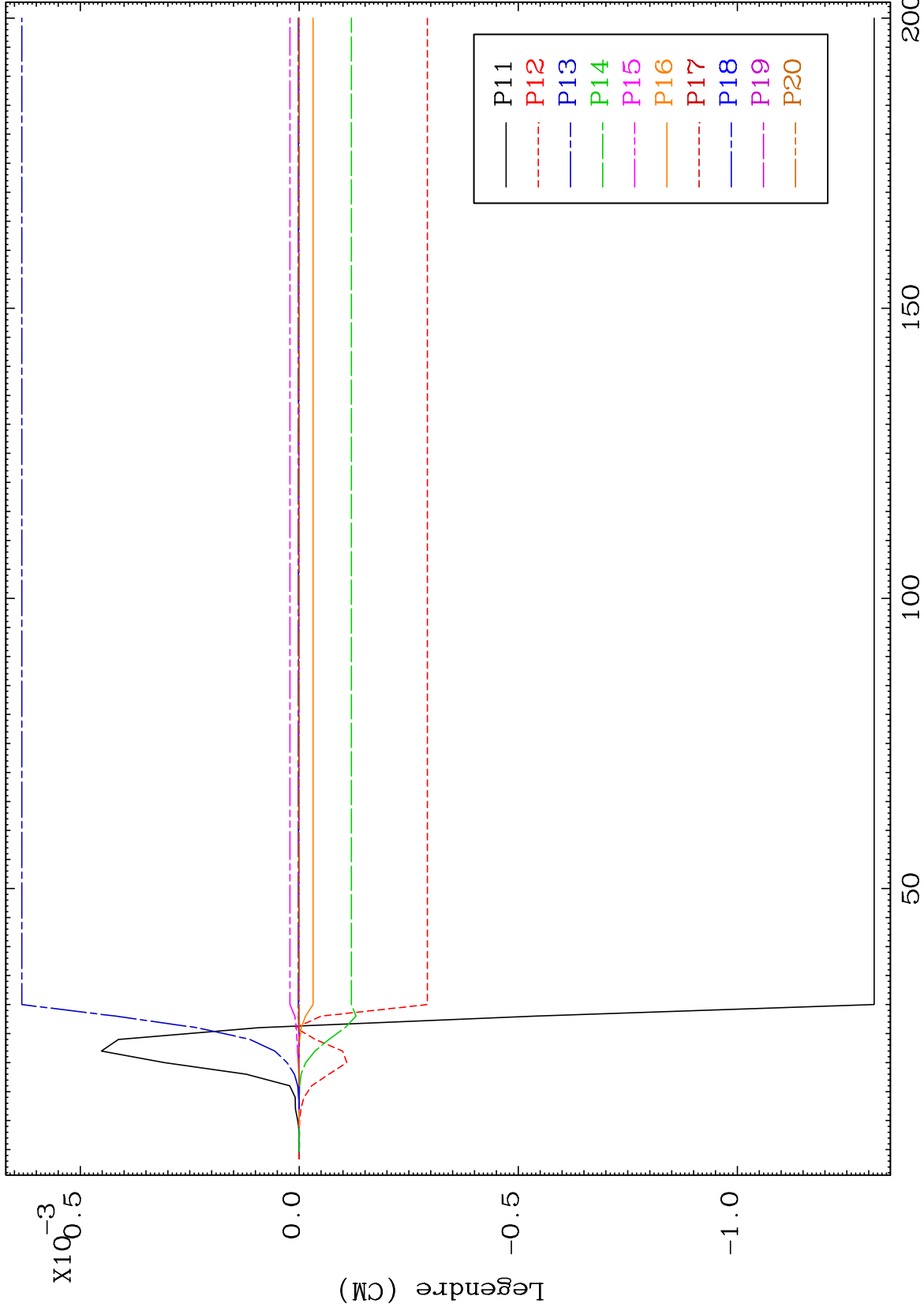
48-Cd-122

MAT 4873

MT= 75 (n,n') Level

48-Cd-122

Legendre Coefficients



102

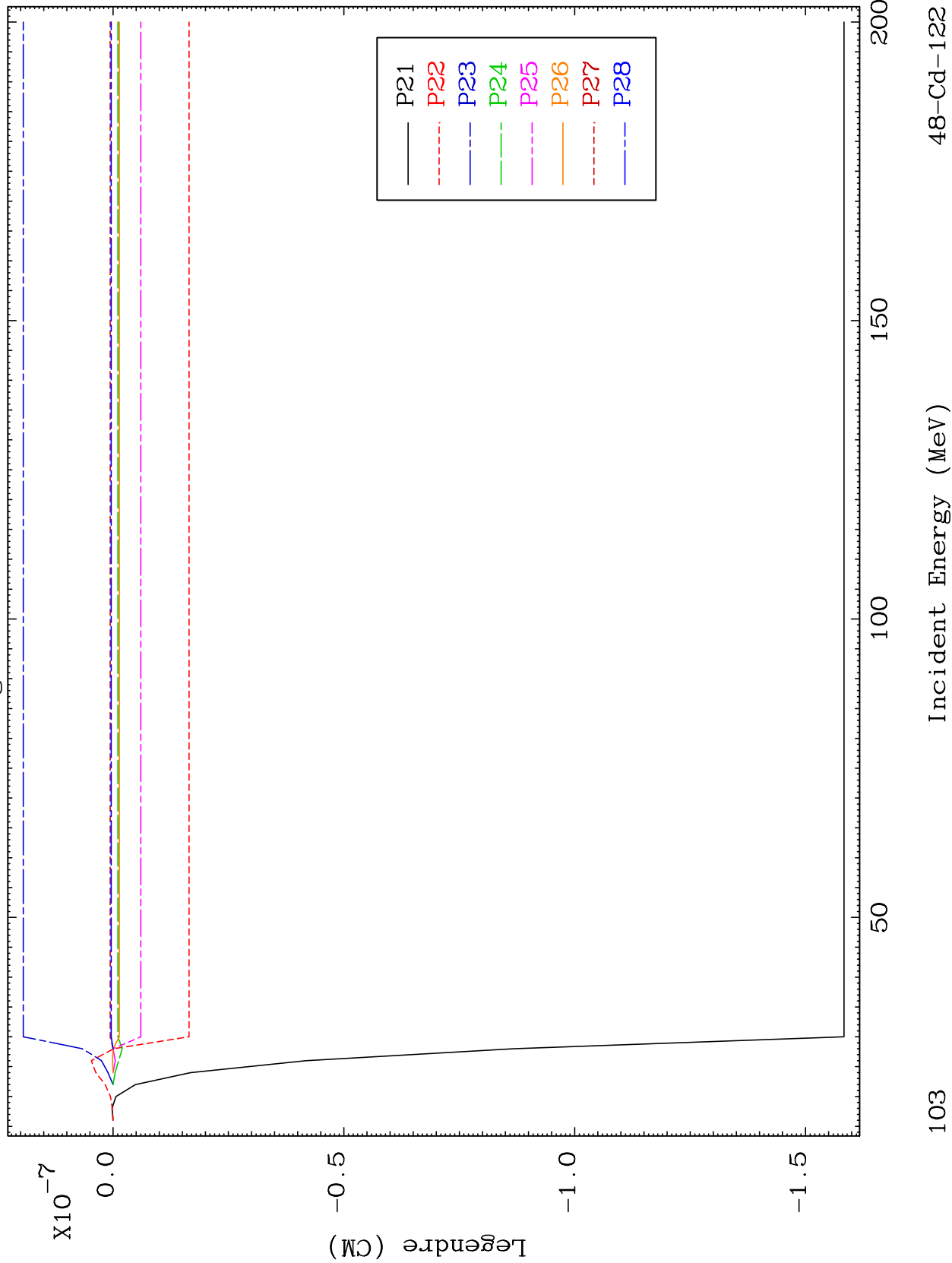
Incident Energy (MeV)

48-Cd-122

MAT 4873

48-Cd-122

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

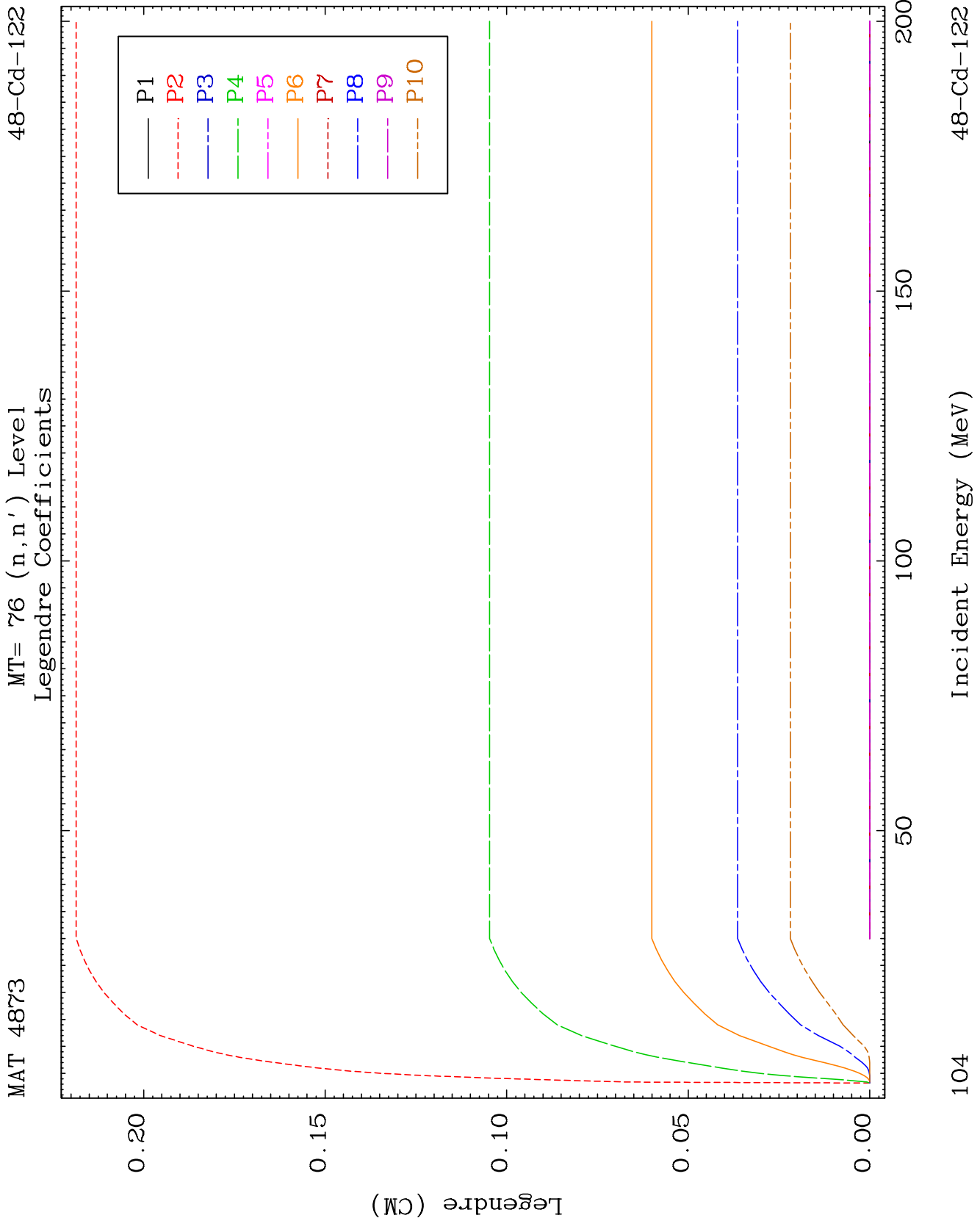


103

Incident Energy (MeV)

48-Cd-122



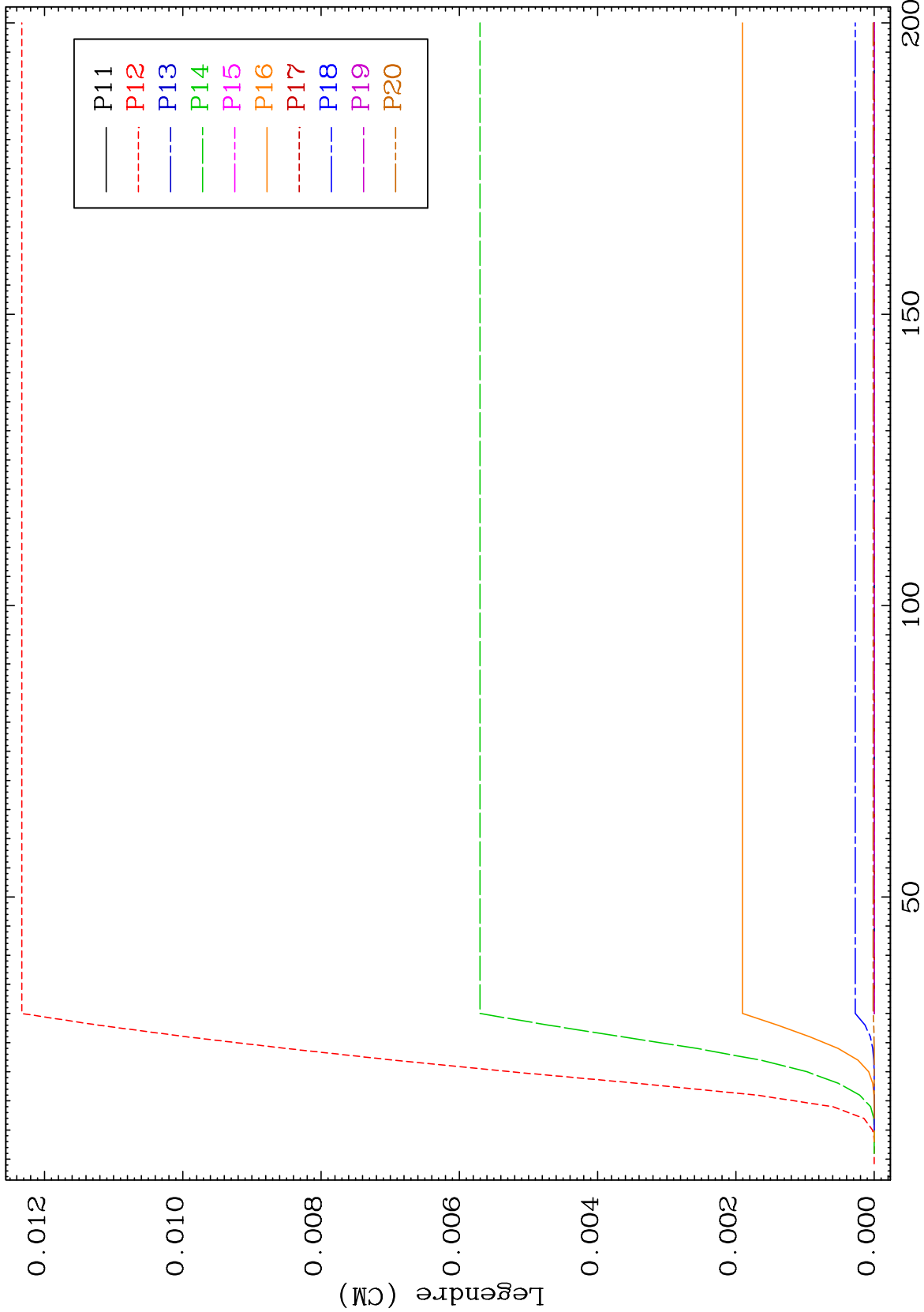


MAT 4873

MT= 76 (n,n') Level

48-Cd-122

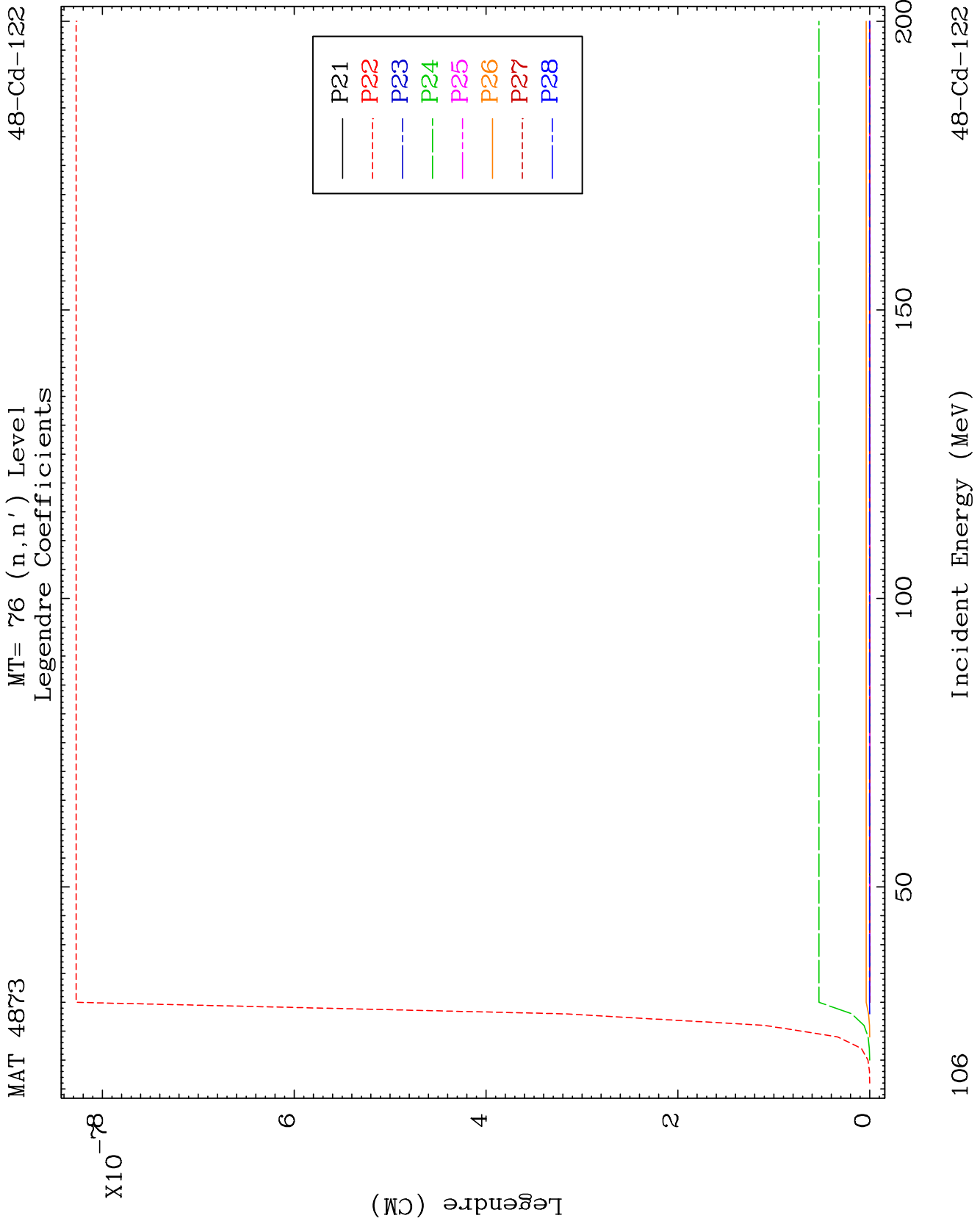
Legendre Coefficients



105

Incident Energy (MeV)

48-Cd-122

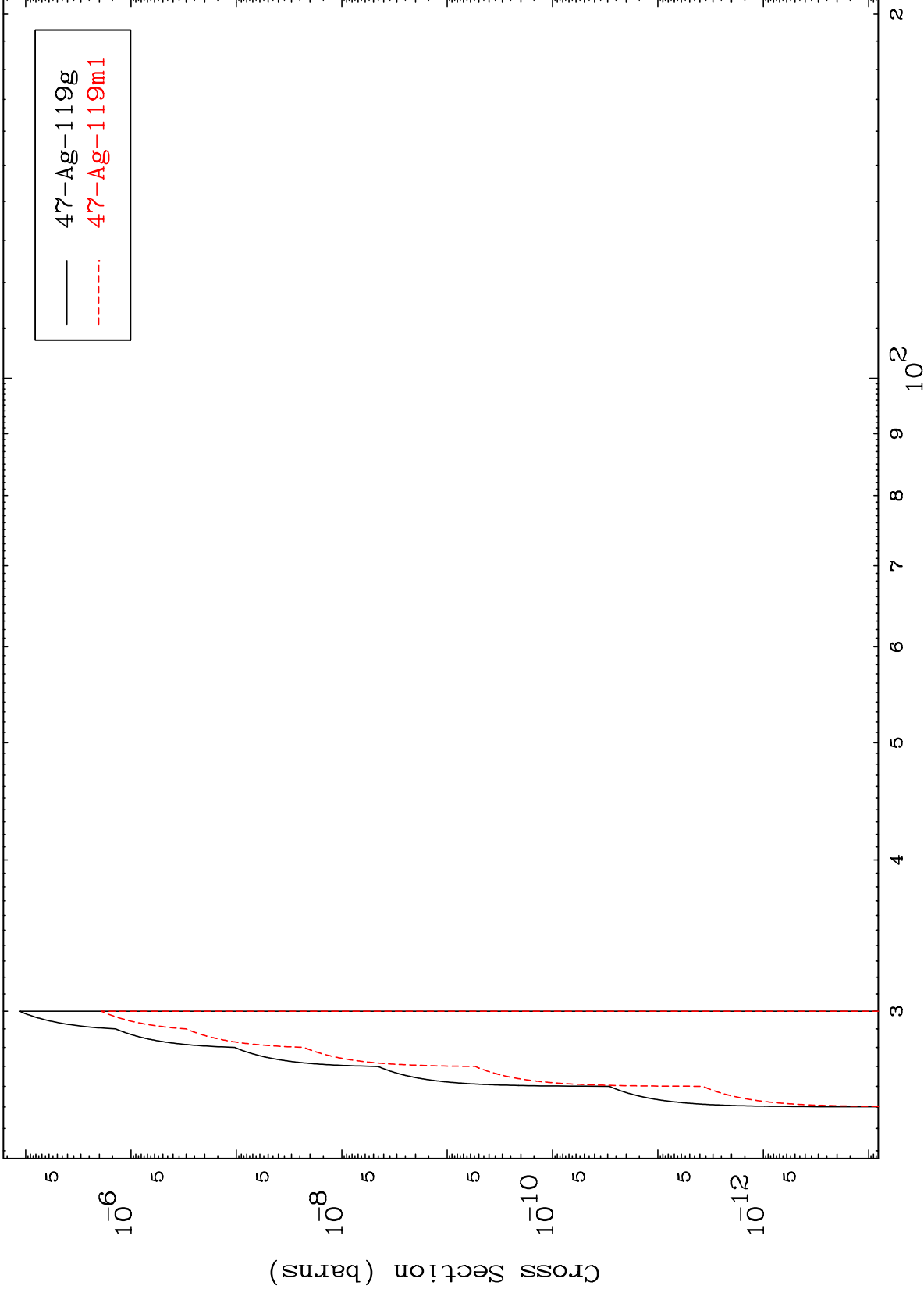


MAT 4873

(n,2n) d

48-Cd-122

Radionuclide Production Cross Section



47-Ag-119g  
47-Ag-119m1

107

Incident Energy (MeV)

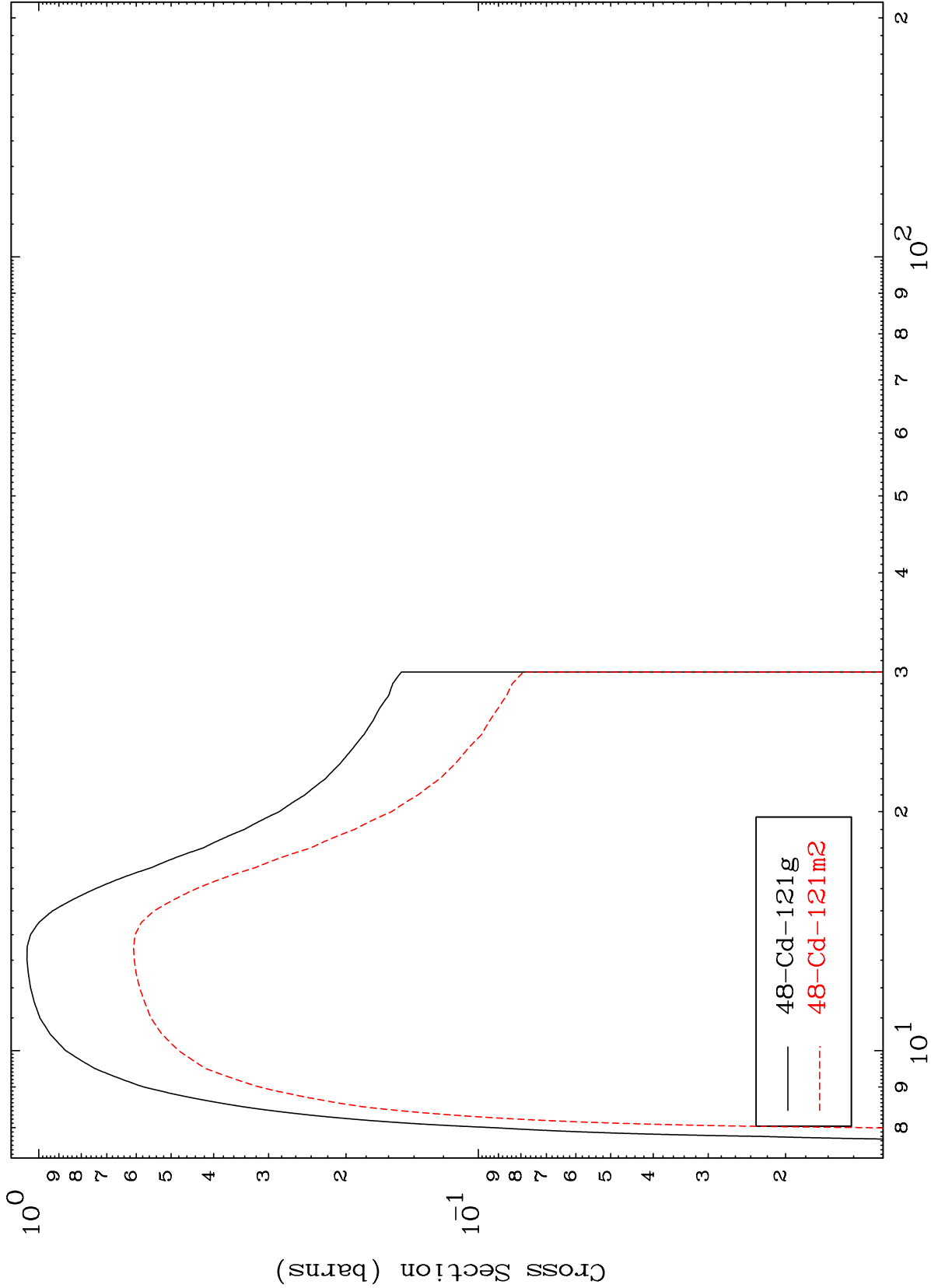
48-Cd-122

MAT 4873

(n,2n)

48-Cd-122

Radionuclide Production Cross Section



108

Incident Energy (MeV)

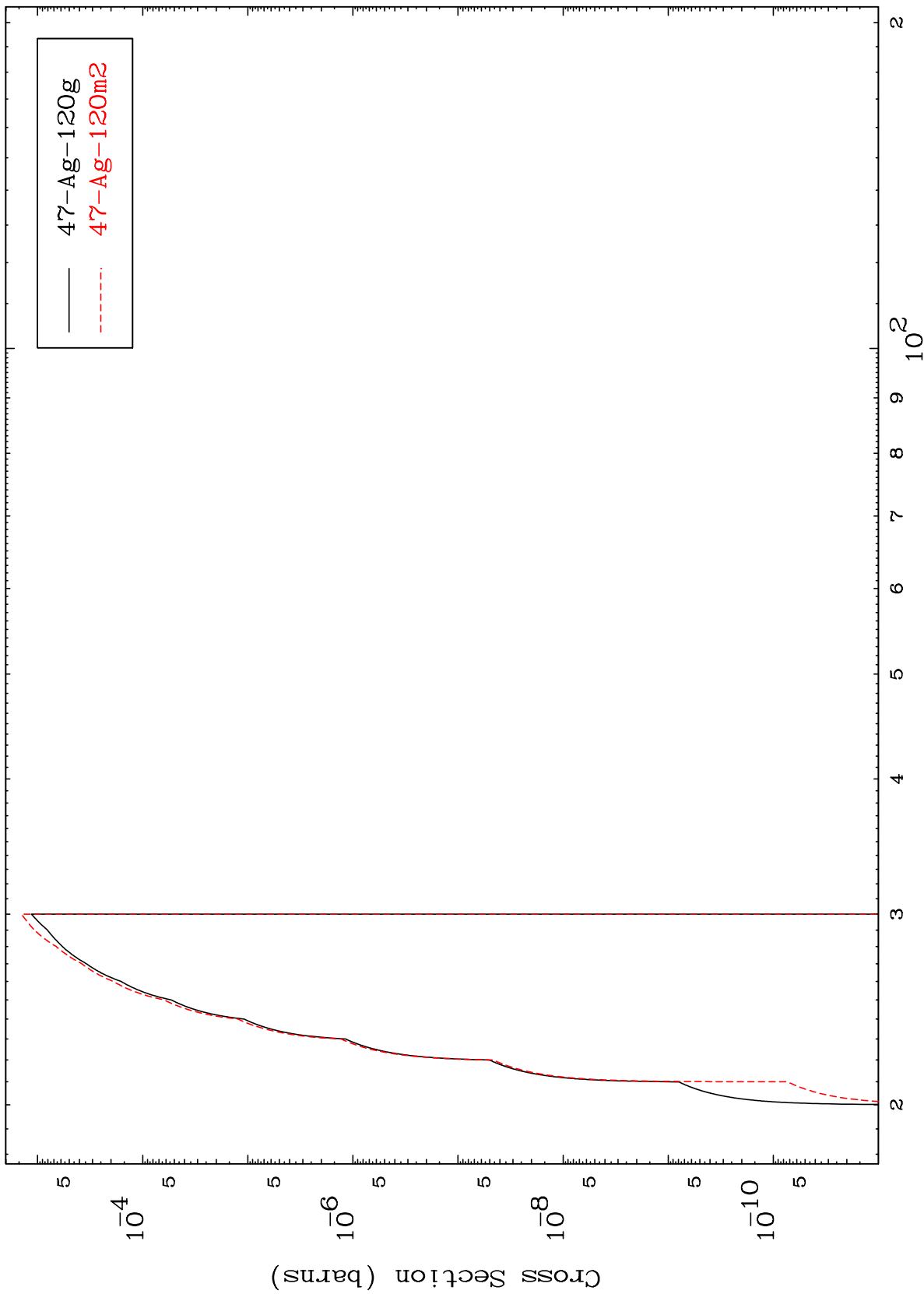
48-Cd-122

MAT 4873

(n,n') d

48-Cd-122

Radionuclide Production Cross Section



109

Incident Energy (MeV)

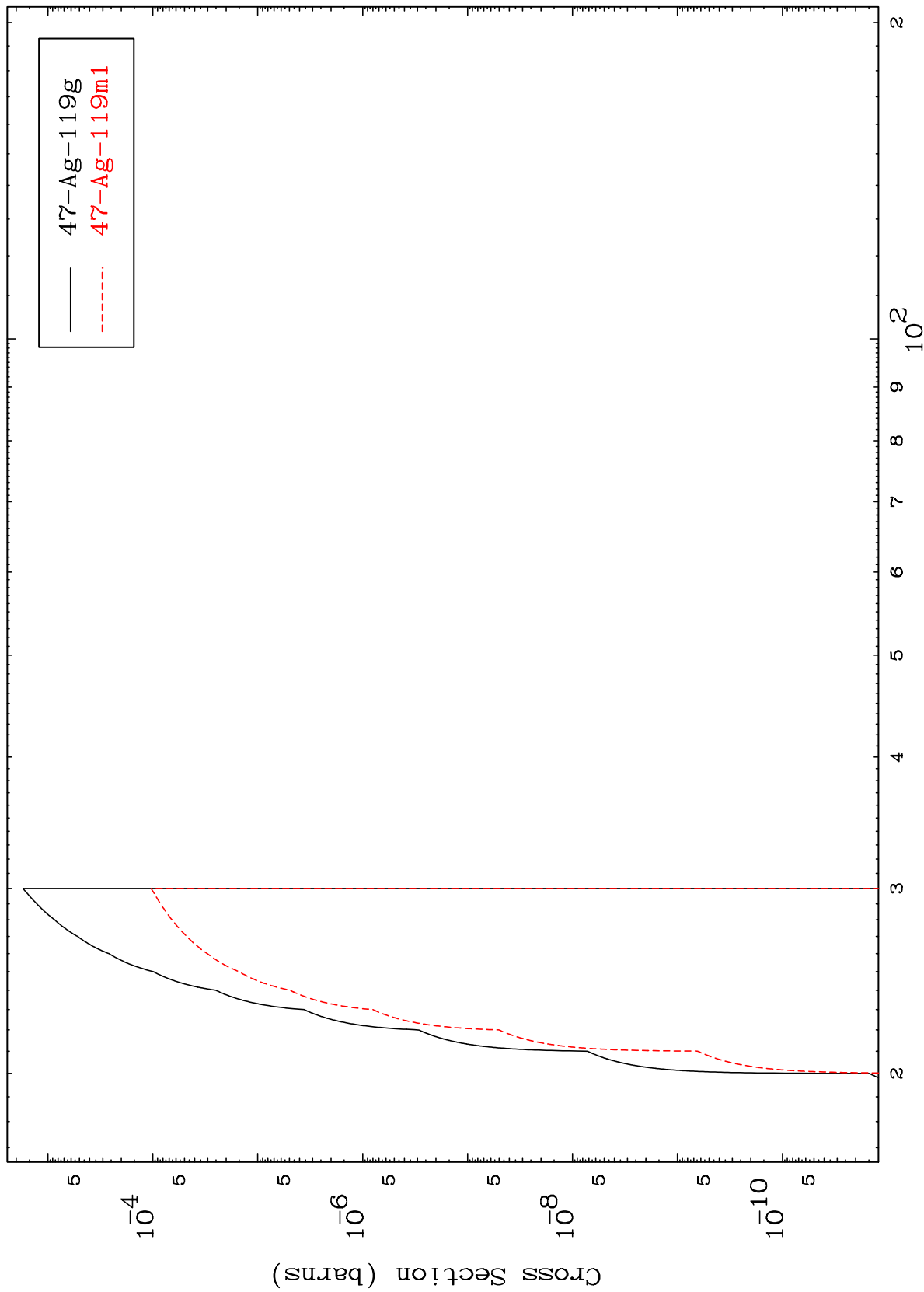
48-Cd-122

MAT 4873

(n,n') t

48-Cd-122

Radionuclide Production Cross Section



110

Incident Energy (MeV)

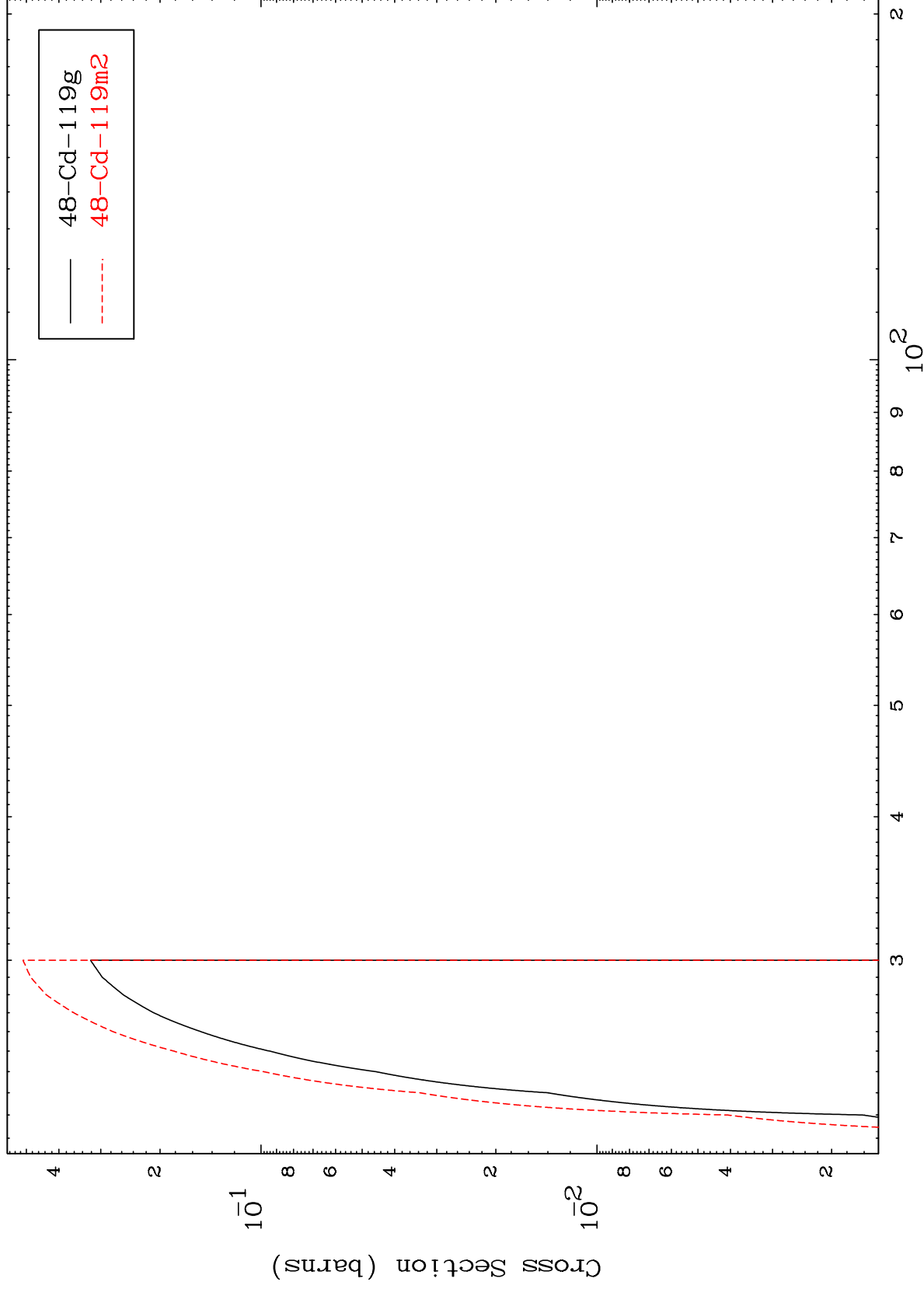
48-Cd-122

MAT 4873

(n,4n)

48-Cd-122

Radionuclide Production Cross Section



111

Incident Energy (MeV)

48-Cd-122

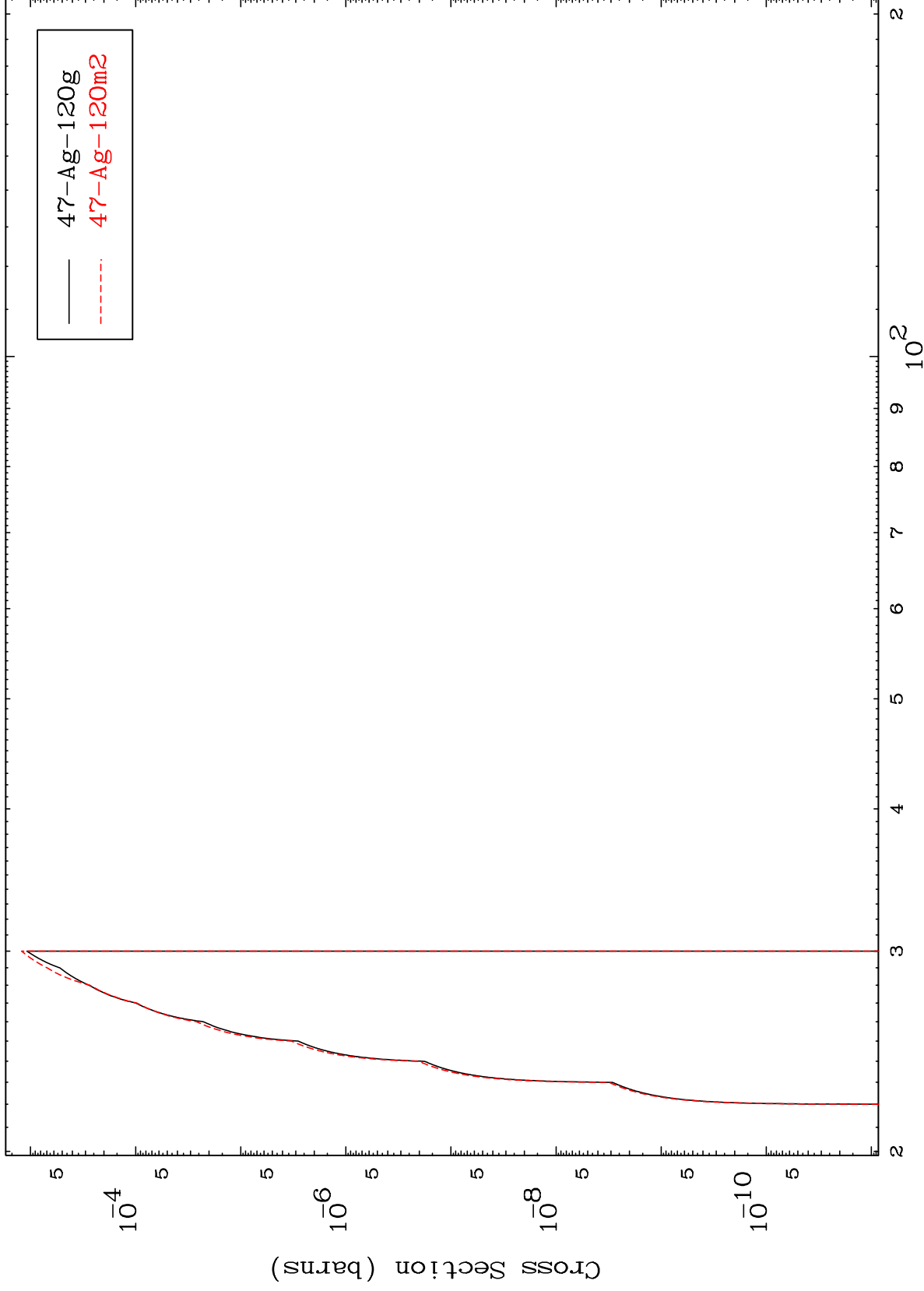


MAT 4873

(n,2n) p

48-Cd-122

Radionuclide Production Cross Section



112

Incident Energy (MeV)

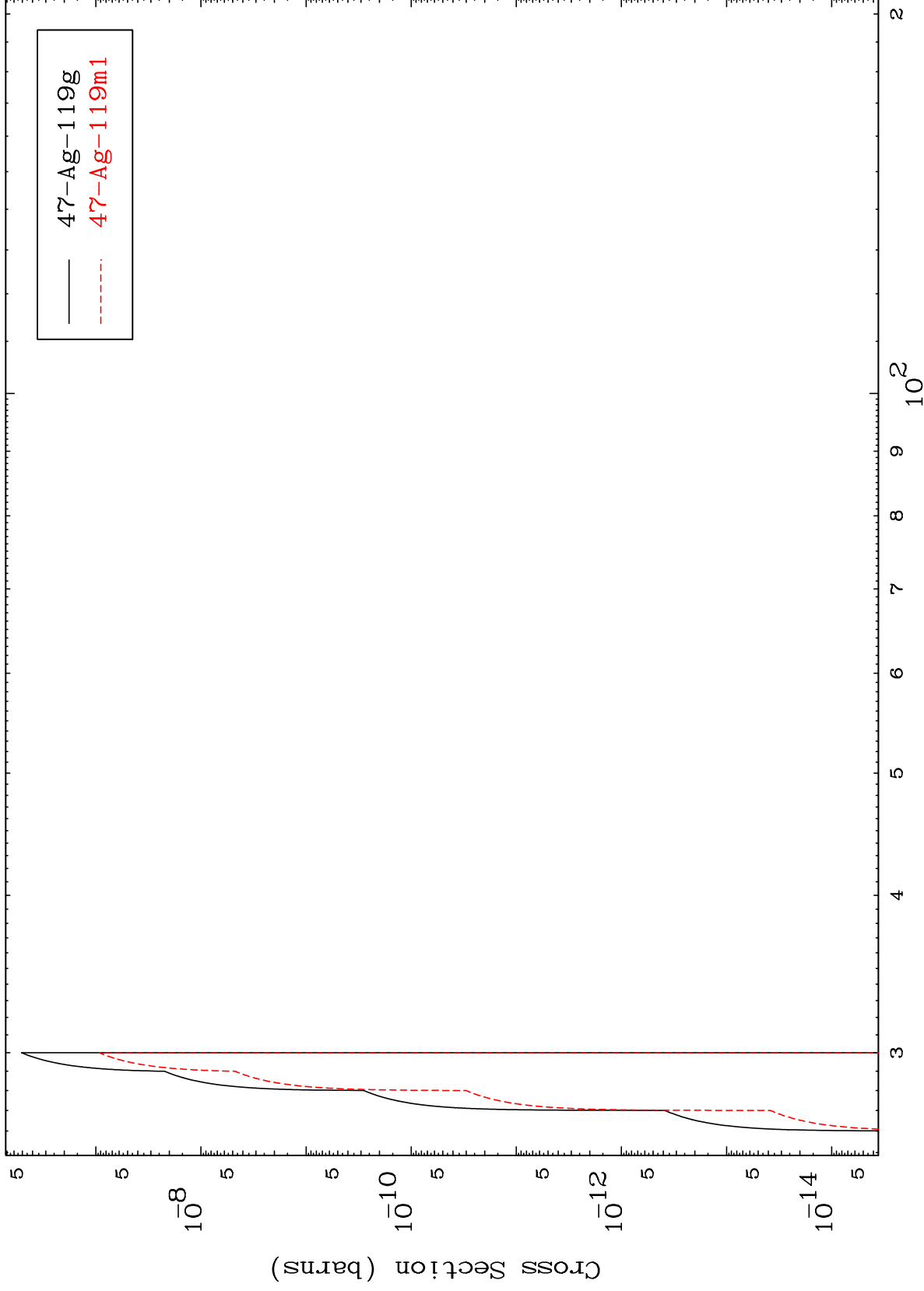
48-Cd-122

MAT 4873

(n,3n) p

48-Cd-122

Radionuclide Production Cross Section

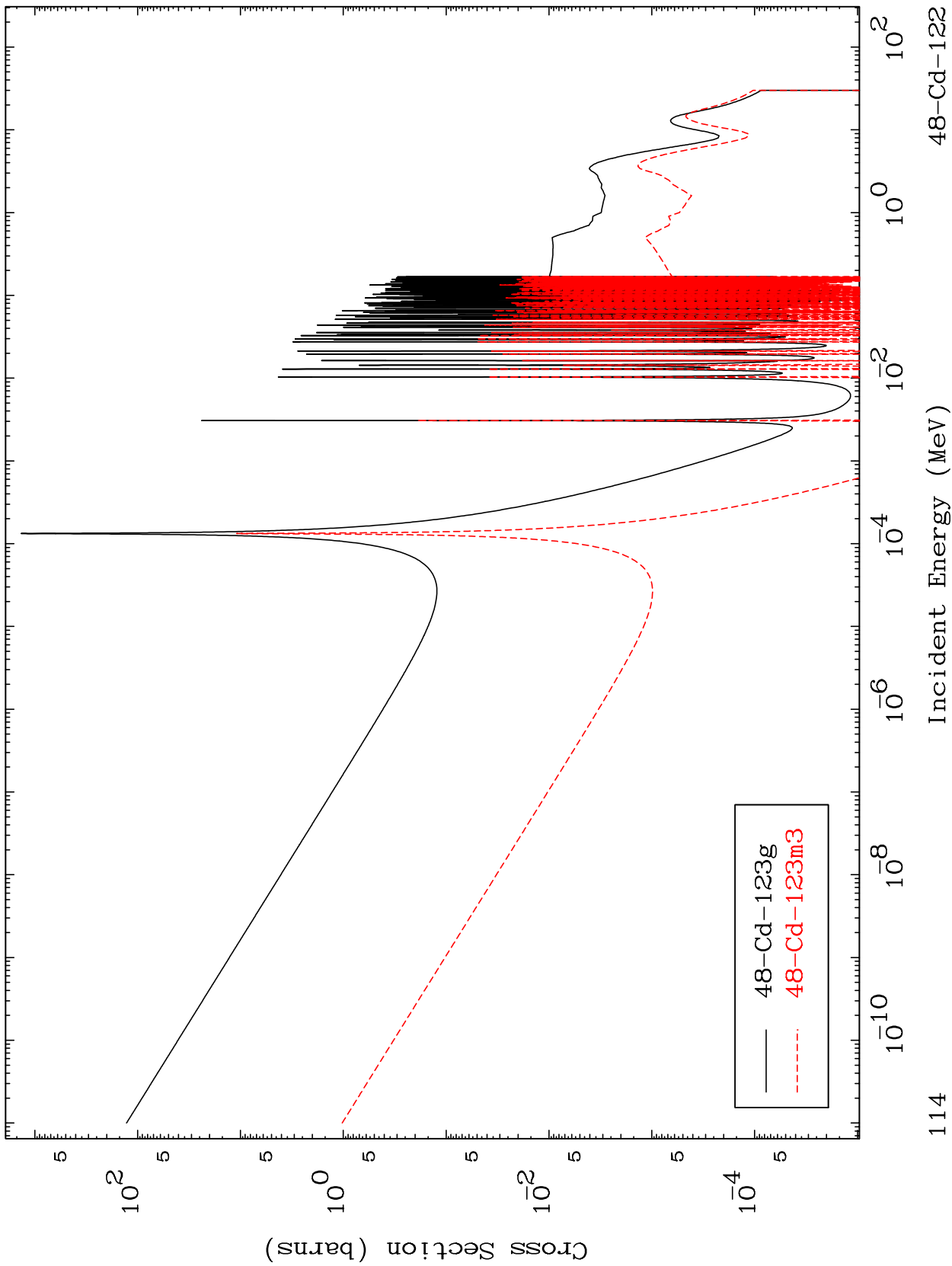


113

Incident Energy (MeV)

48-Cd-122

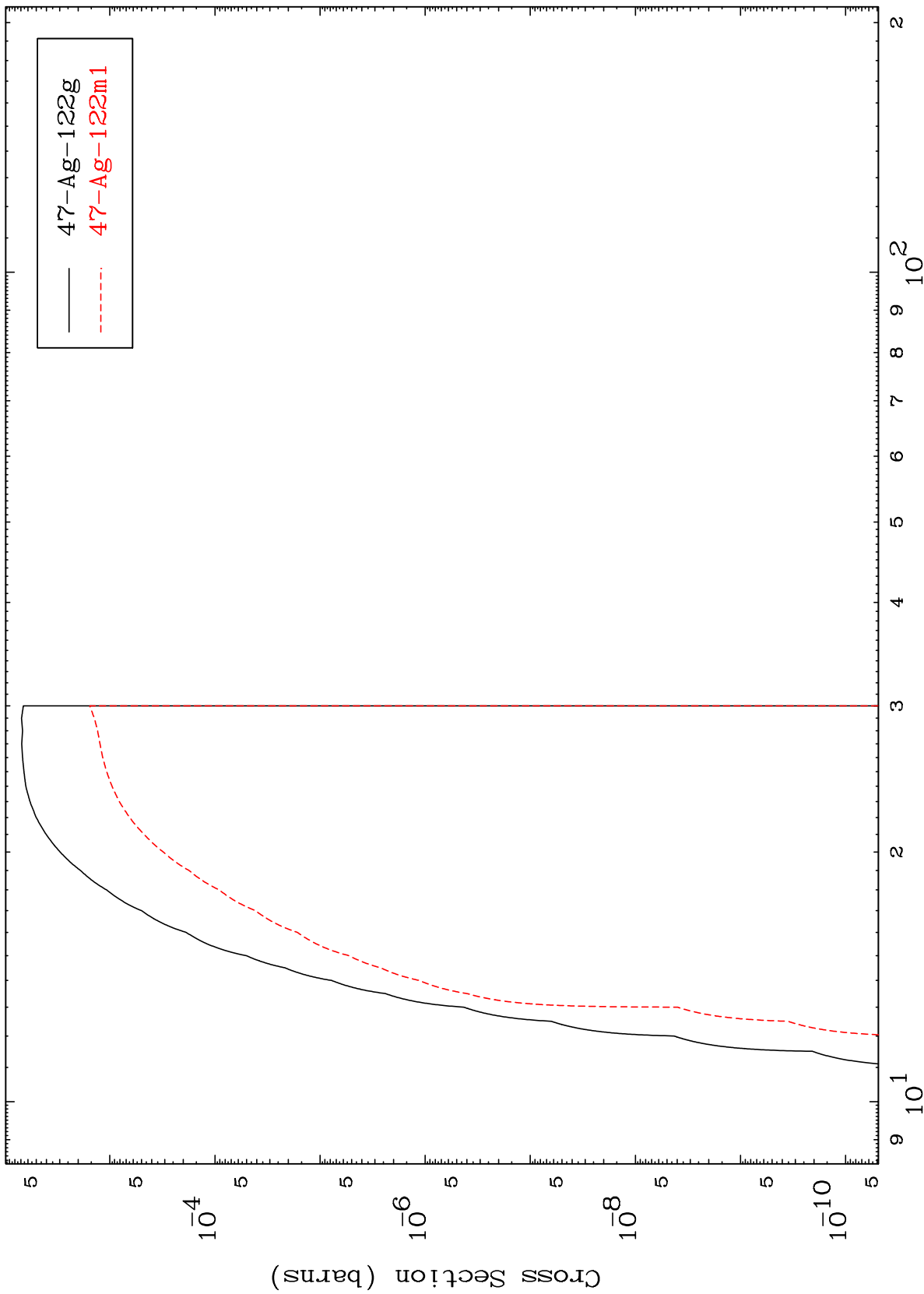
$(n, \gamma)$   
Radionuclide Production Cross Section



MAT 4873

48-Cd-122

(n,p)  
Radionuclide Production Cross Section



115

Incident Energy (MeV)

48-Cd-122

(n,t)  
Radionuclide Production Cross Section

