

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

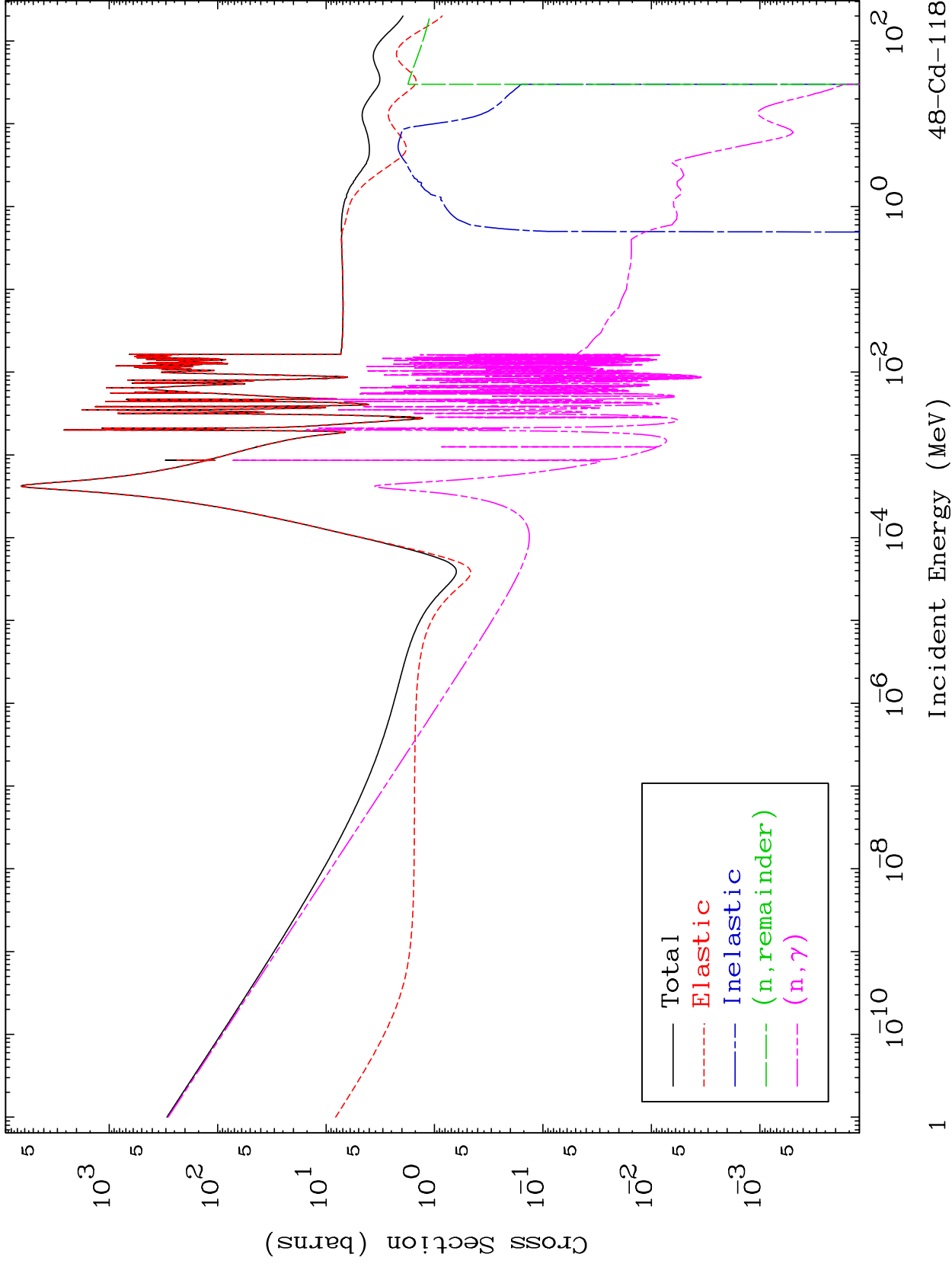
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4861

Major
293 Kelvin Cross Sections

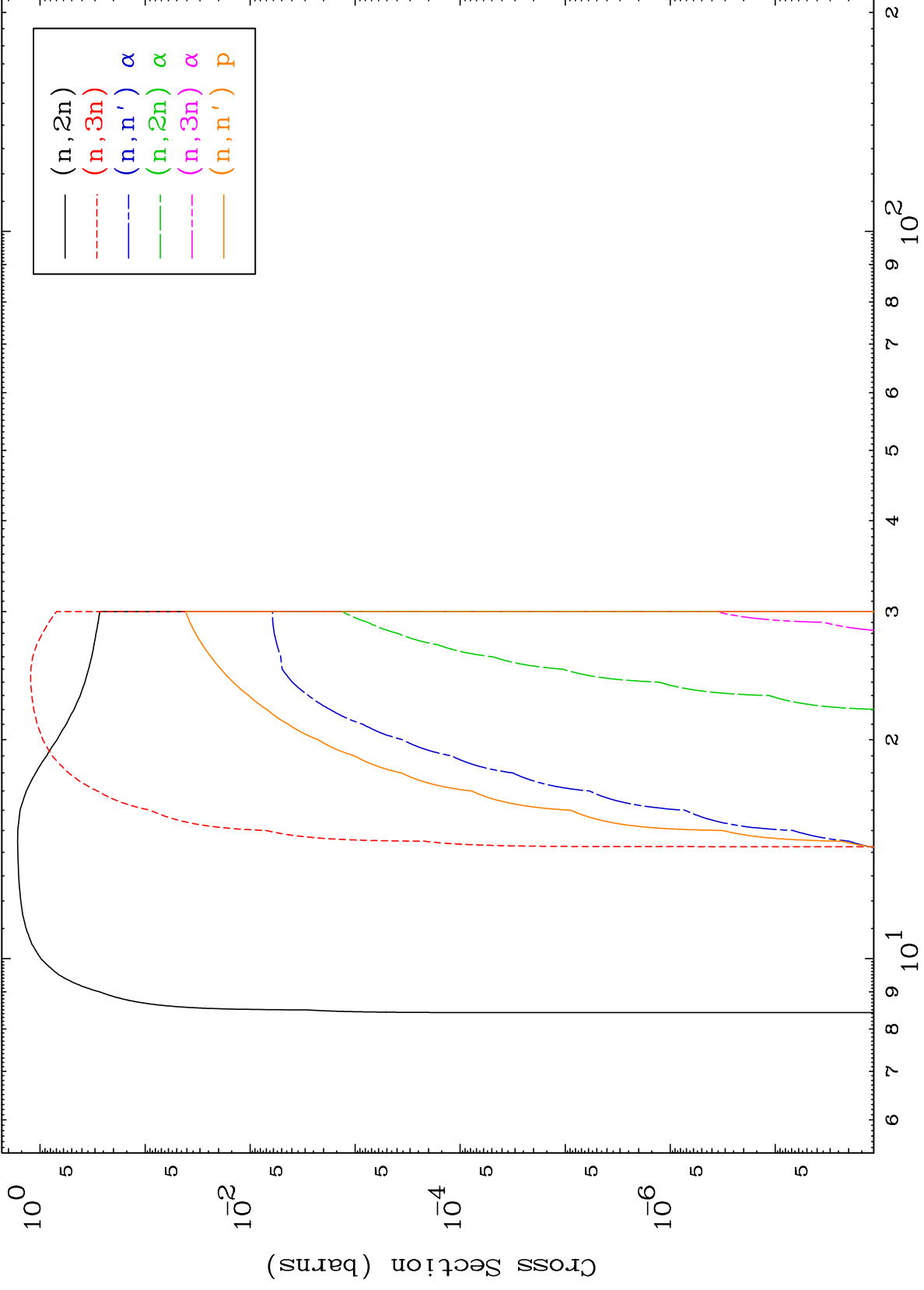
48-Cd-118



MAT 4861

Neutron Production
293 Kelvin Cross Sections

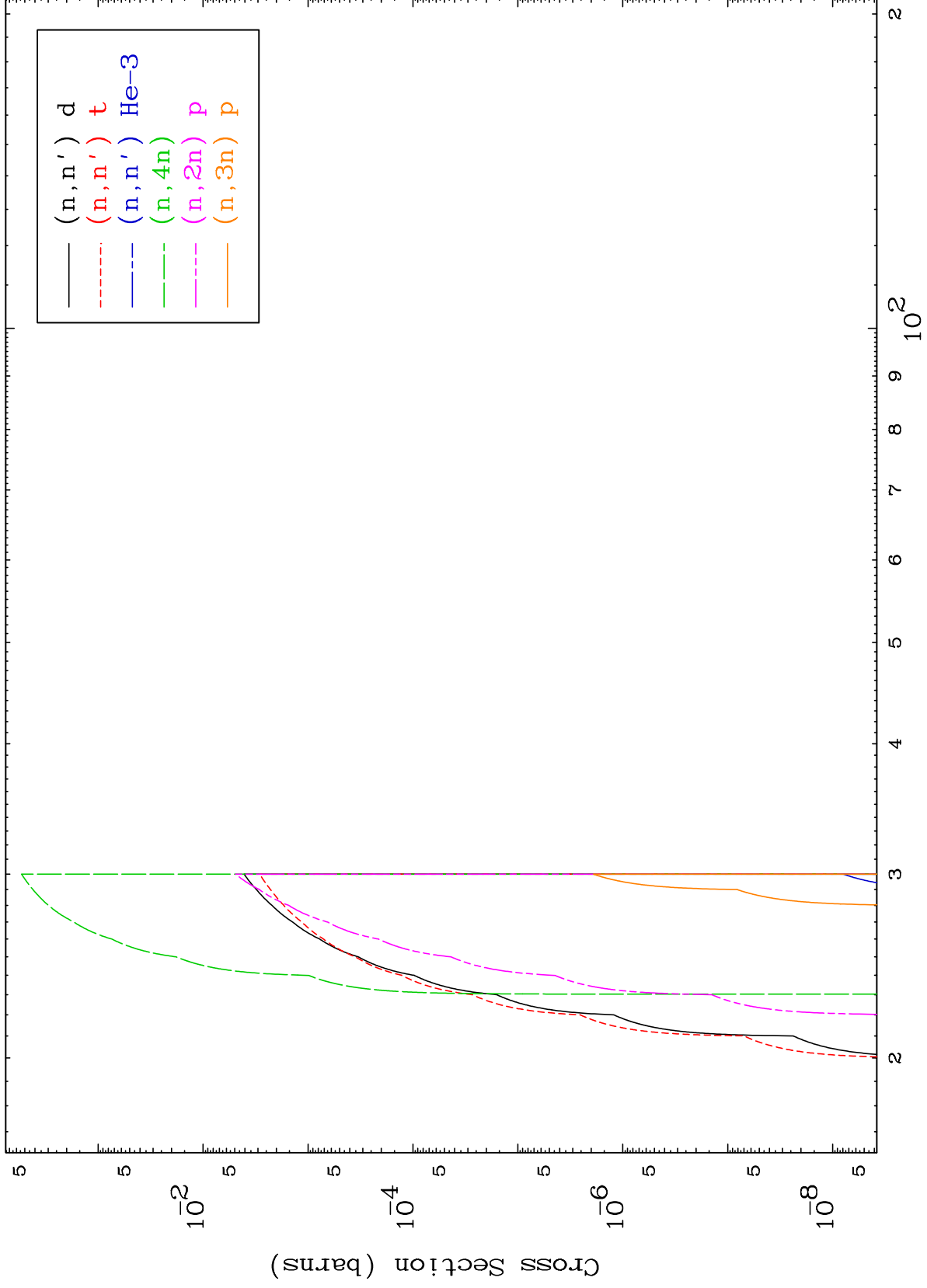
48-Cd-118



2

Incident Energy (MeV)

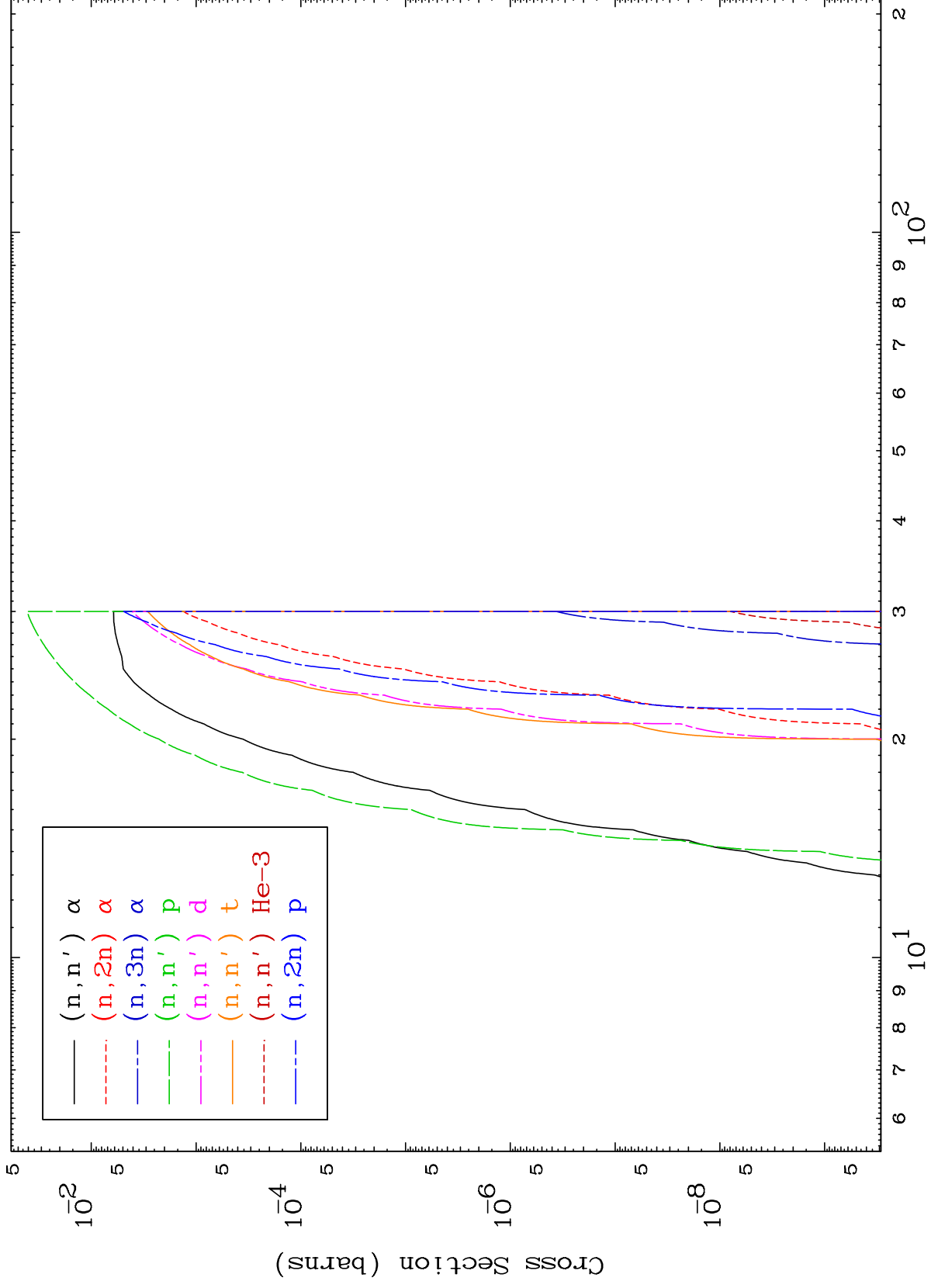
48-Cd-118



MAT 4861

Charged Particle
293 Kelvin Cross Sections

48-Cd-118



4

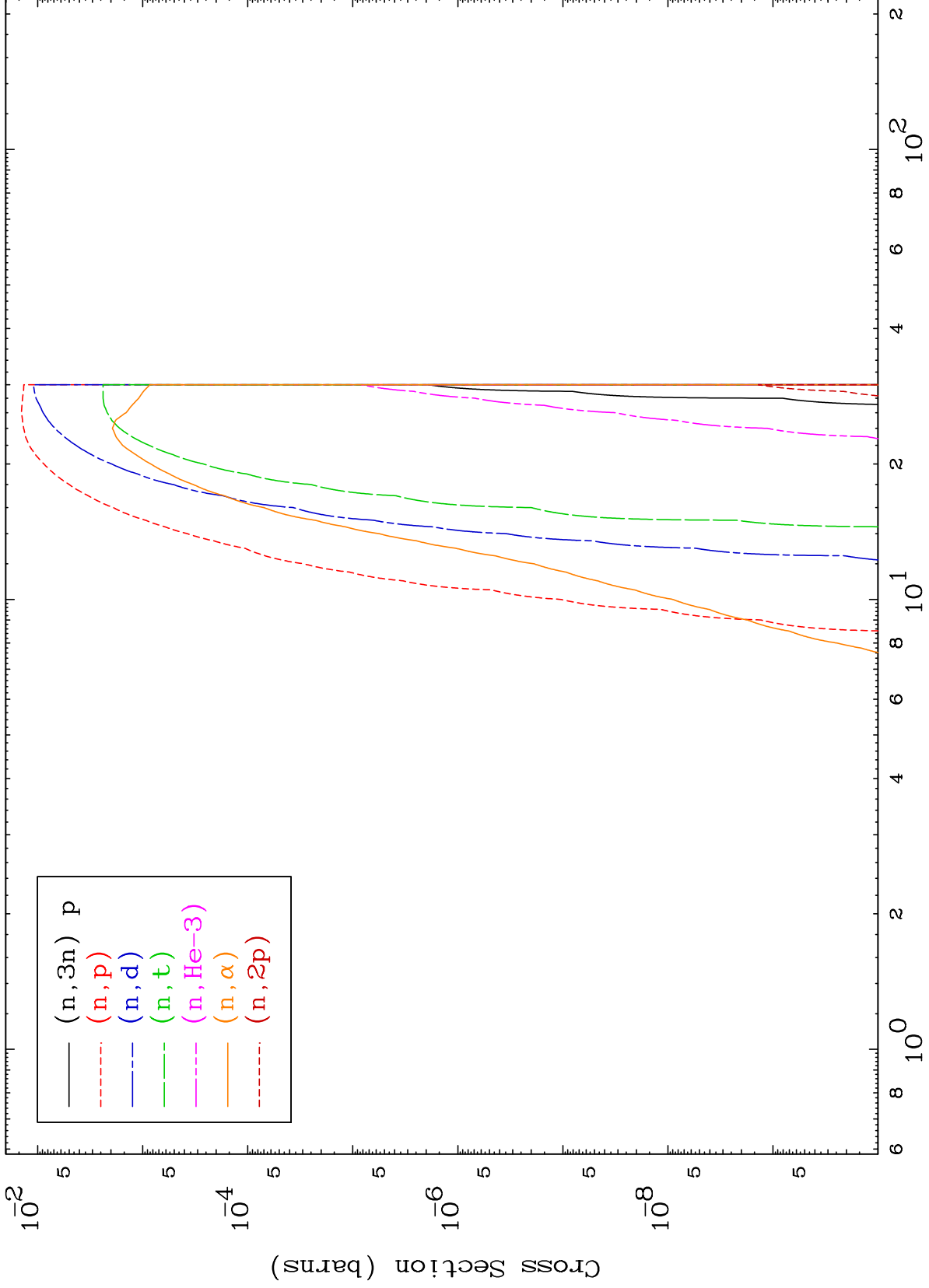
Incident Energy (MeV)

48-Cd-118

MAT 4861

Charged Particle
293 Kelvin Cross Sections

48-Cd-118



5

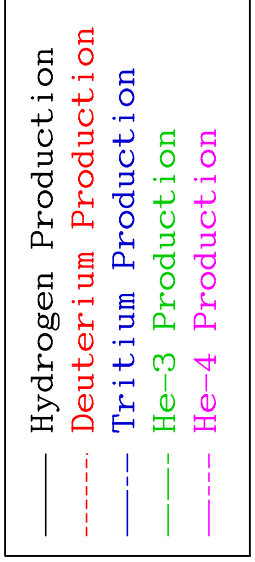
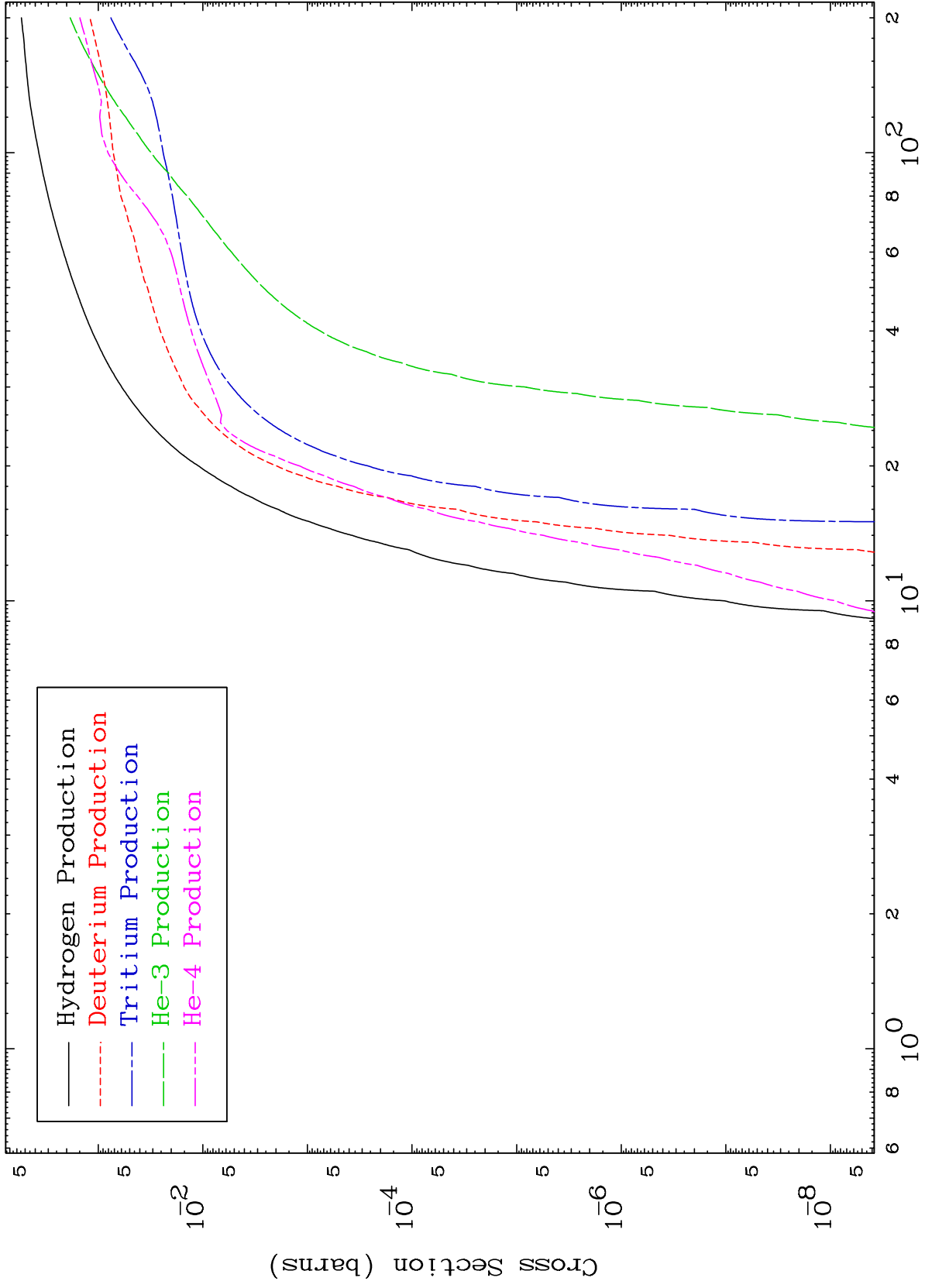
Incident Energy (MeV)

48-Cd-118

MAT 4861

Particle Production
293 Kelvin Cross Sections

48-Cd-118



48-Cd-118

Incident Energy (MeV)

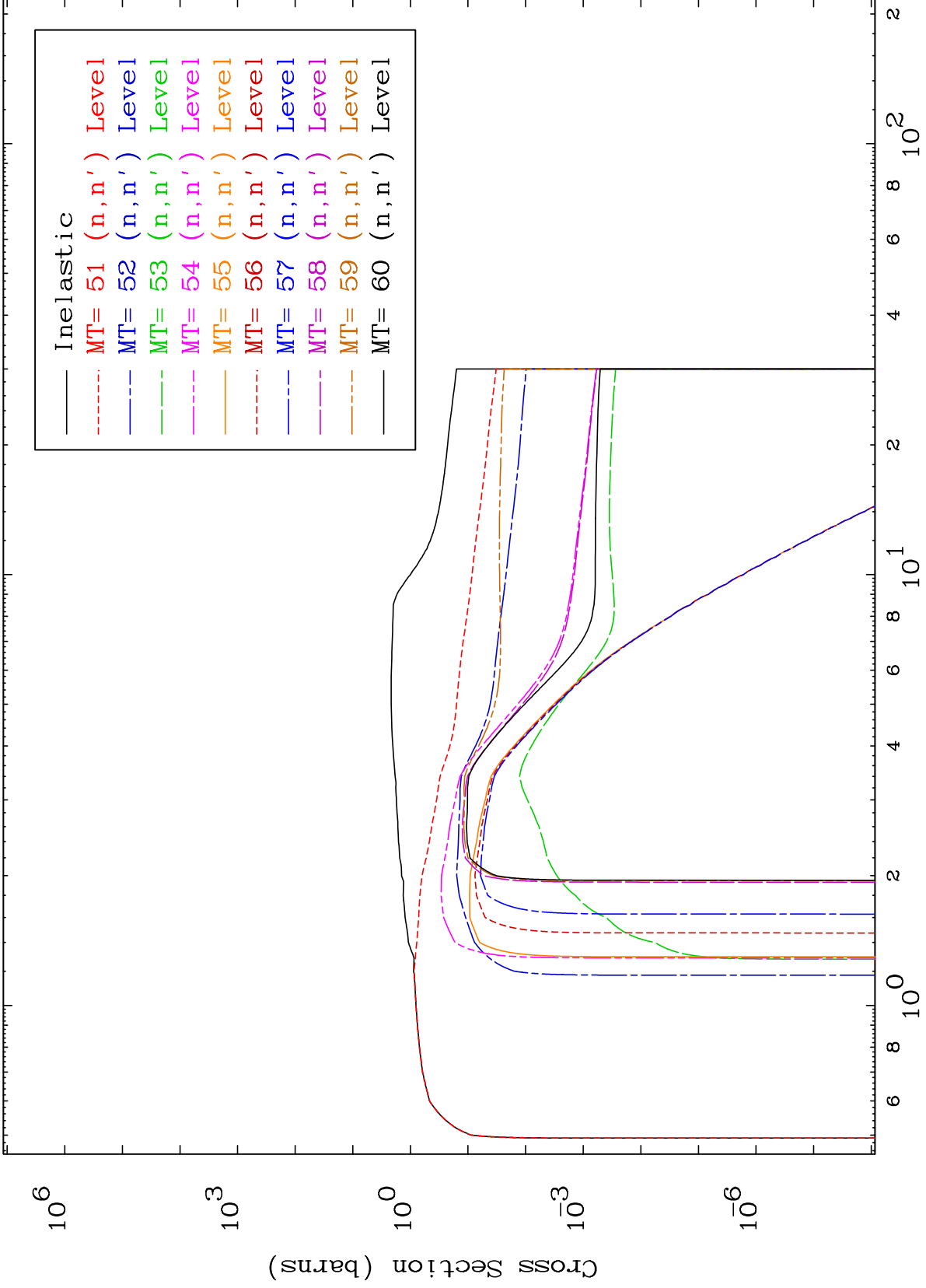
6

MAT 4861

(n,n') Level

48-Cd-118

293 Kelvin Cross Sections



7

Incident Energy (MeV)

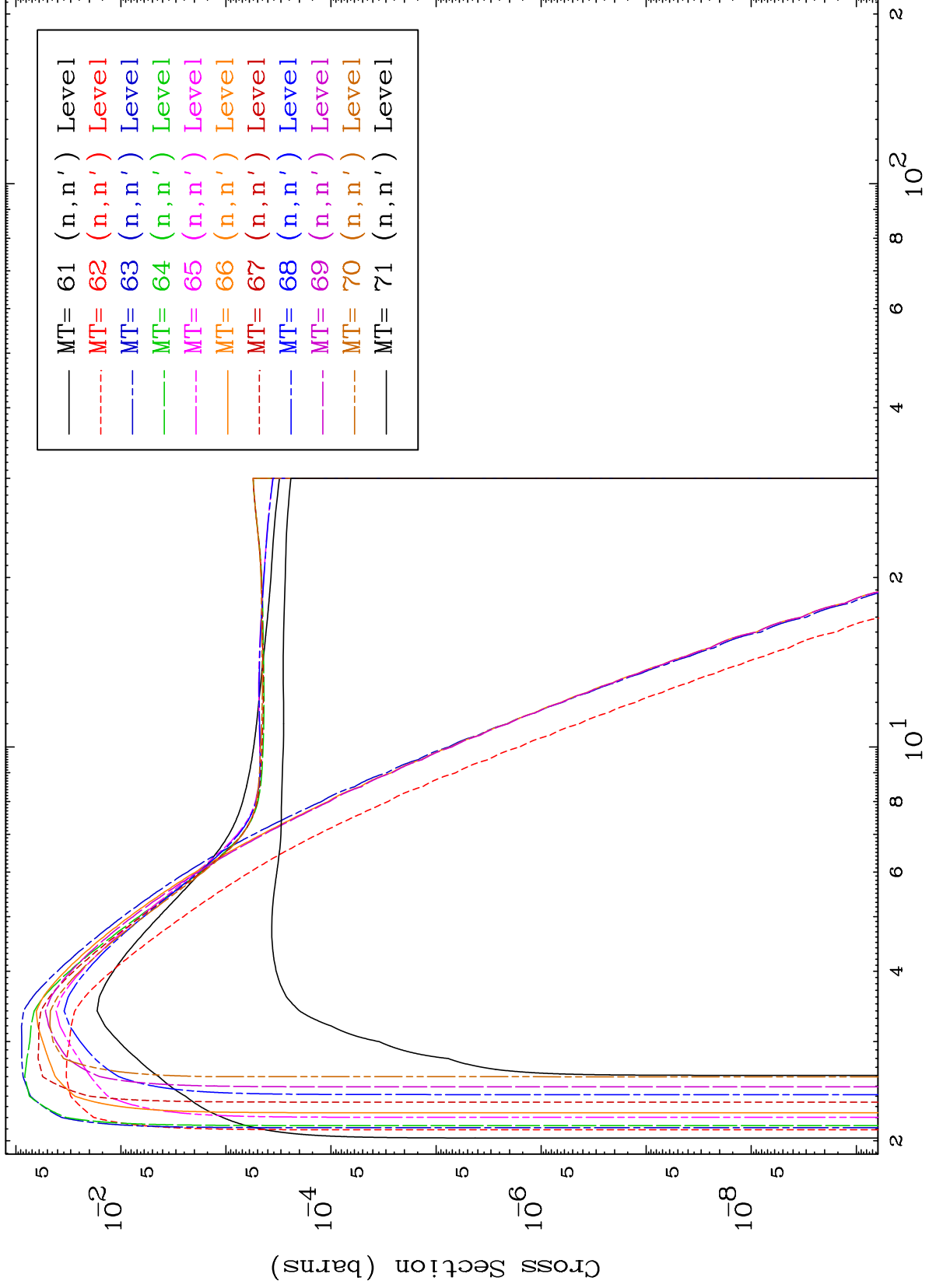
48-Cd-118

MAT 4861

(n,n') Level

48-Cd-118

293 Kelvin Cross Sections



8

Incident Energy (MeV)

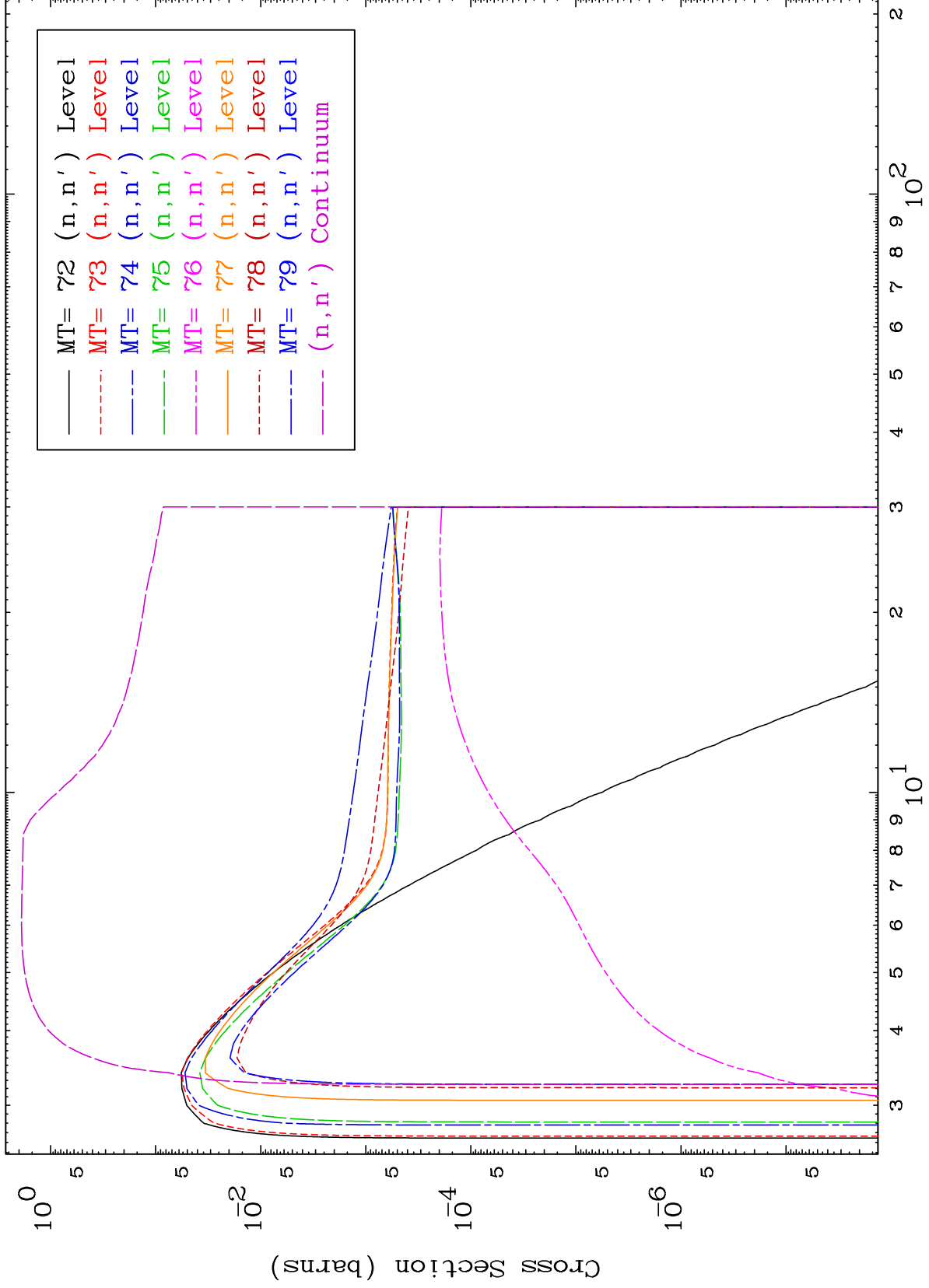
48-Cd-118

MAT 4861

(n,n') Level

48-Cd-118

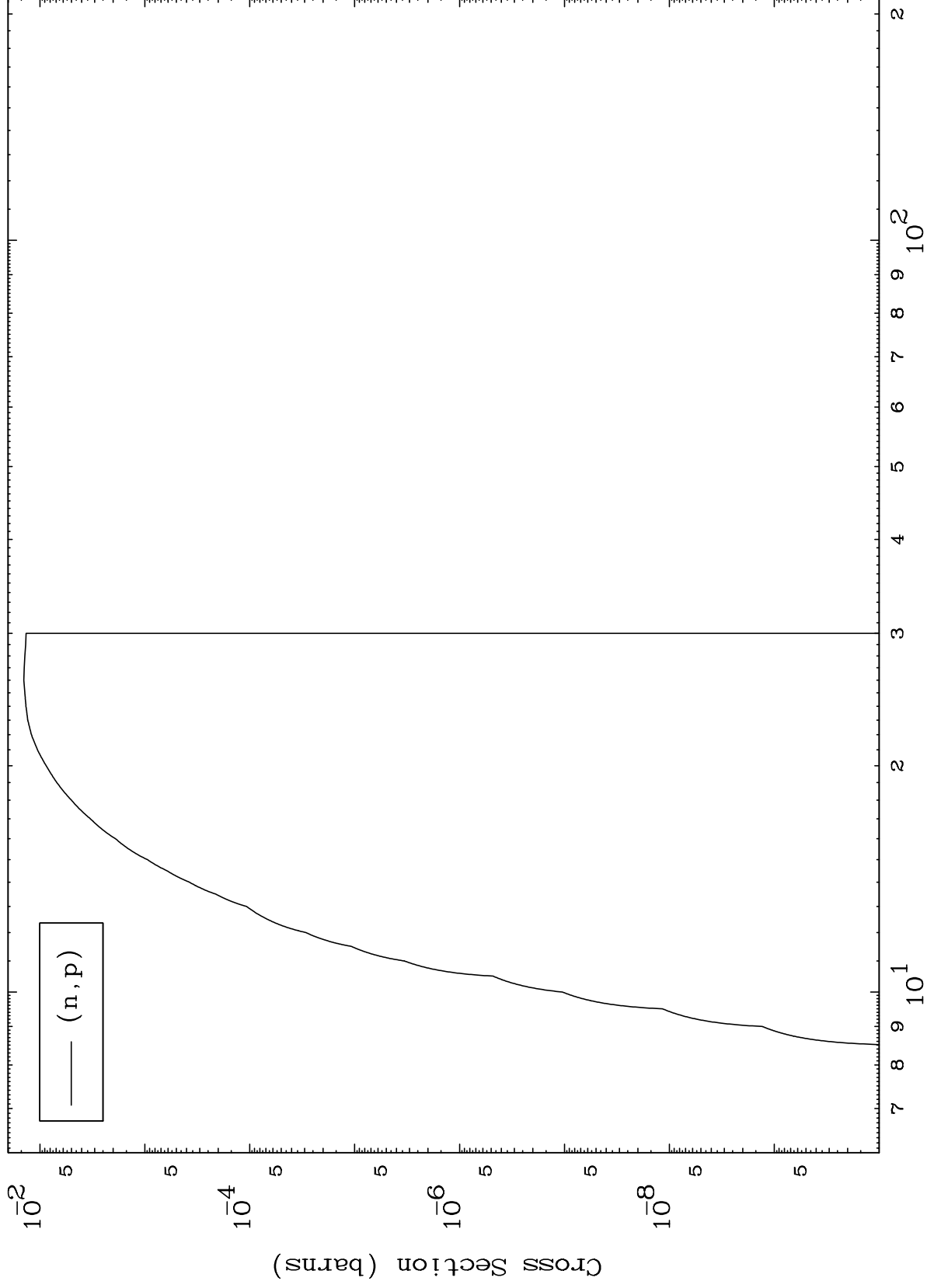
293 Kelvin Cross Sections



MAT 4861

(n,p) Levels
293 Kelvin Cross Sections

48-Cd-118



10

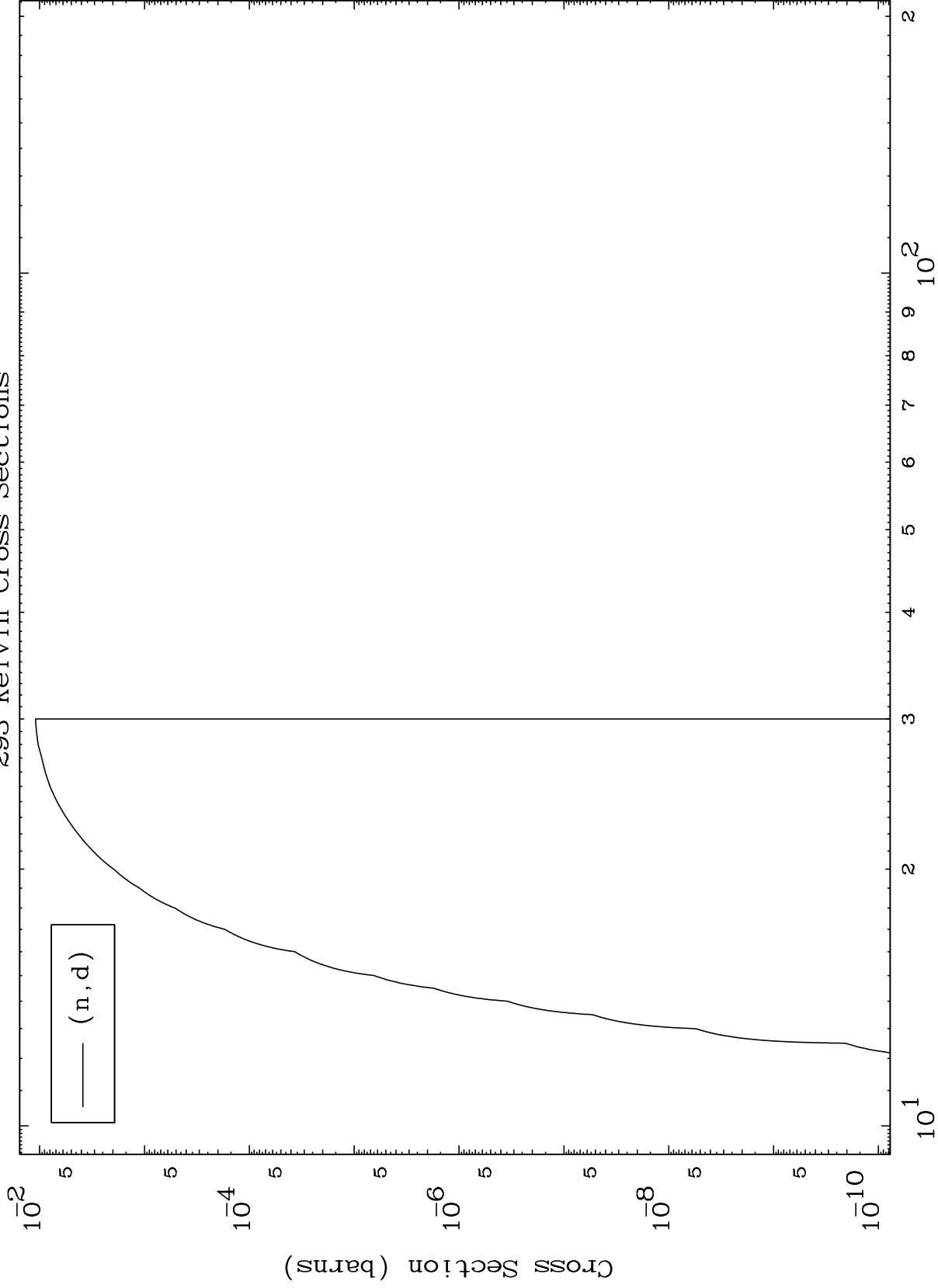
Incident Energy (MeV)

48-Cd-118

MAT 4861

(n,d) Levels
293 Kelvin Cross Sections

48-Cd-118



11

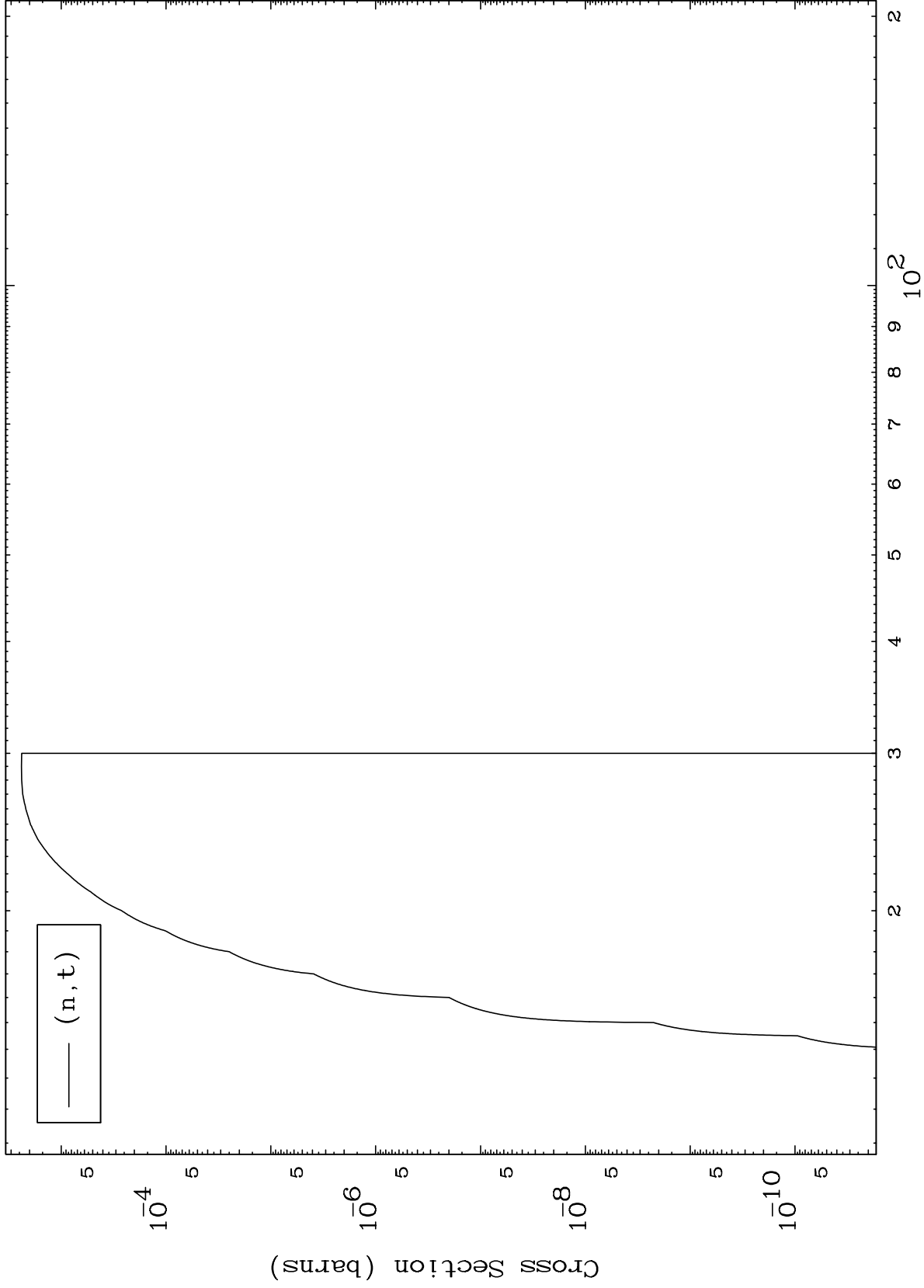
Incident Energy (MeV)

48-Cd-118

MAT 4861

(n,t) Levels
293 Kelvin Cross Sections

48-Cd-118



12

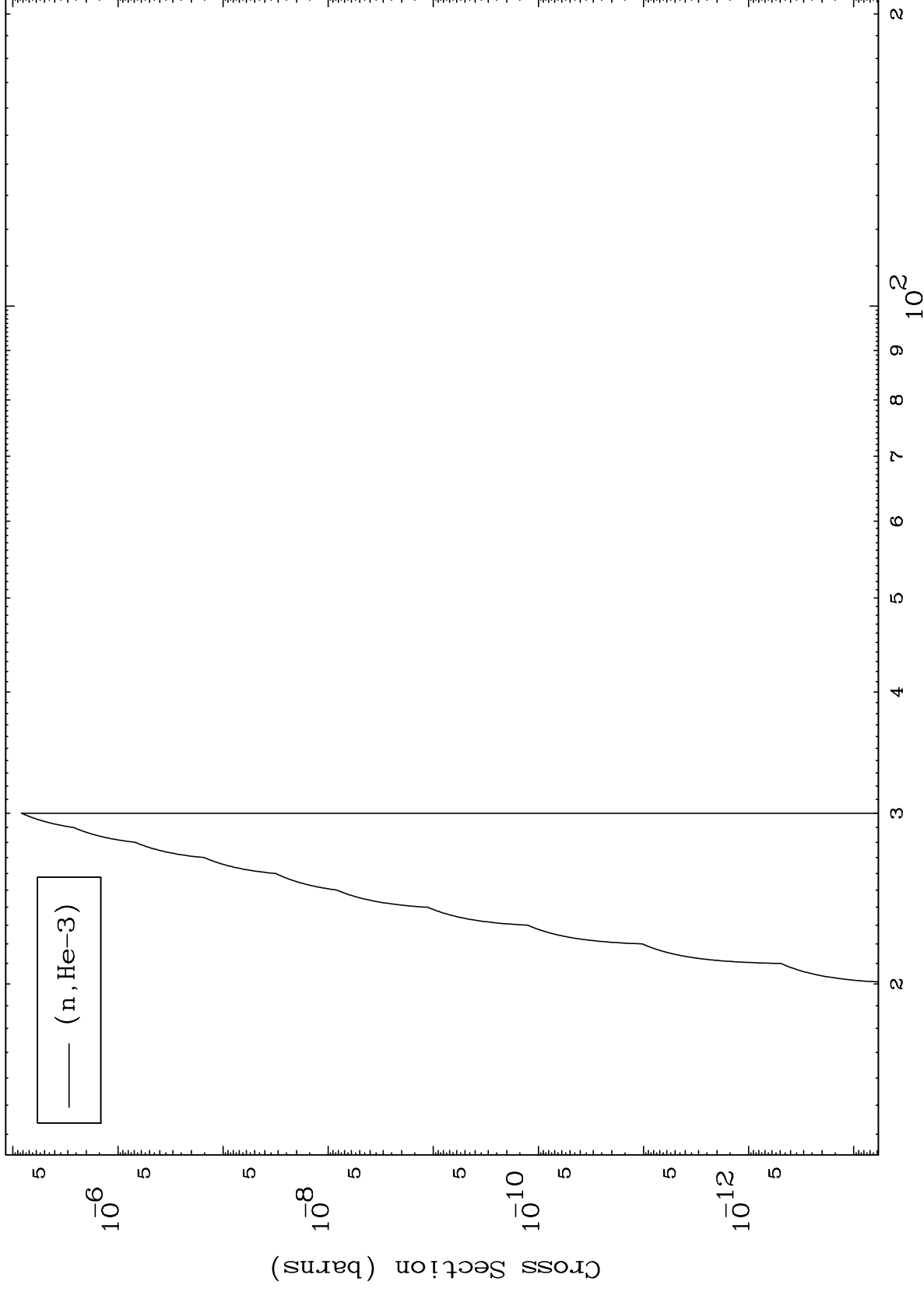
Incident Energy (MeV)

48-Cd-118

MAT 4861

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-118



13

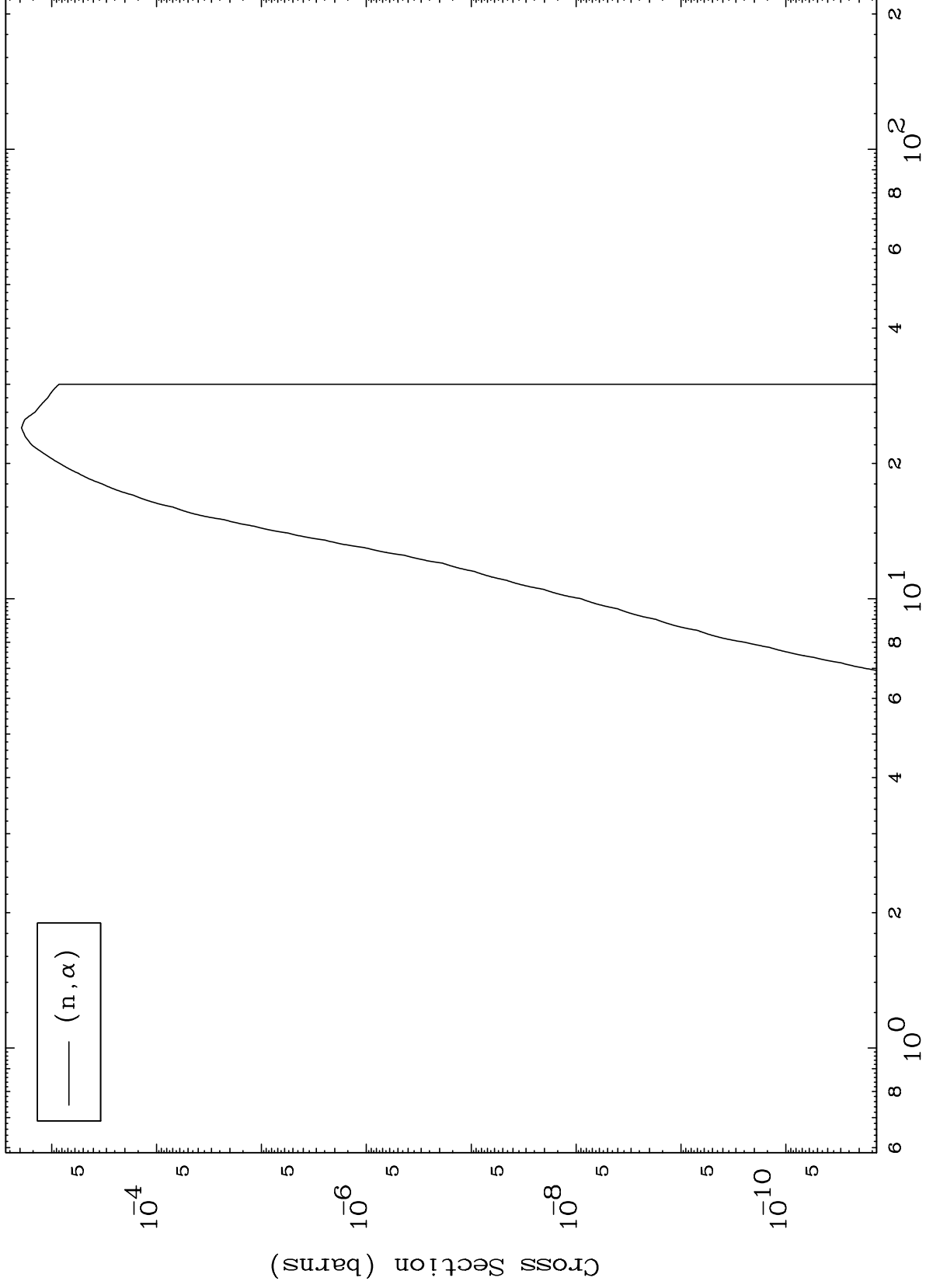
Incident Energy (MeV)

48-Cd-118

MAT 4861

(n, α) Levels
293 Kelvin Cross Sections

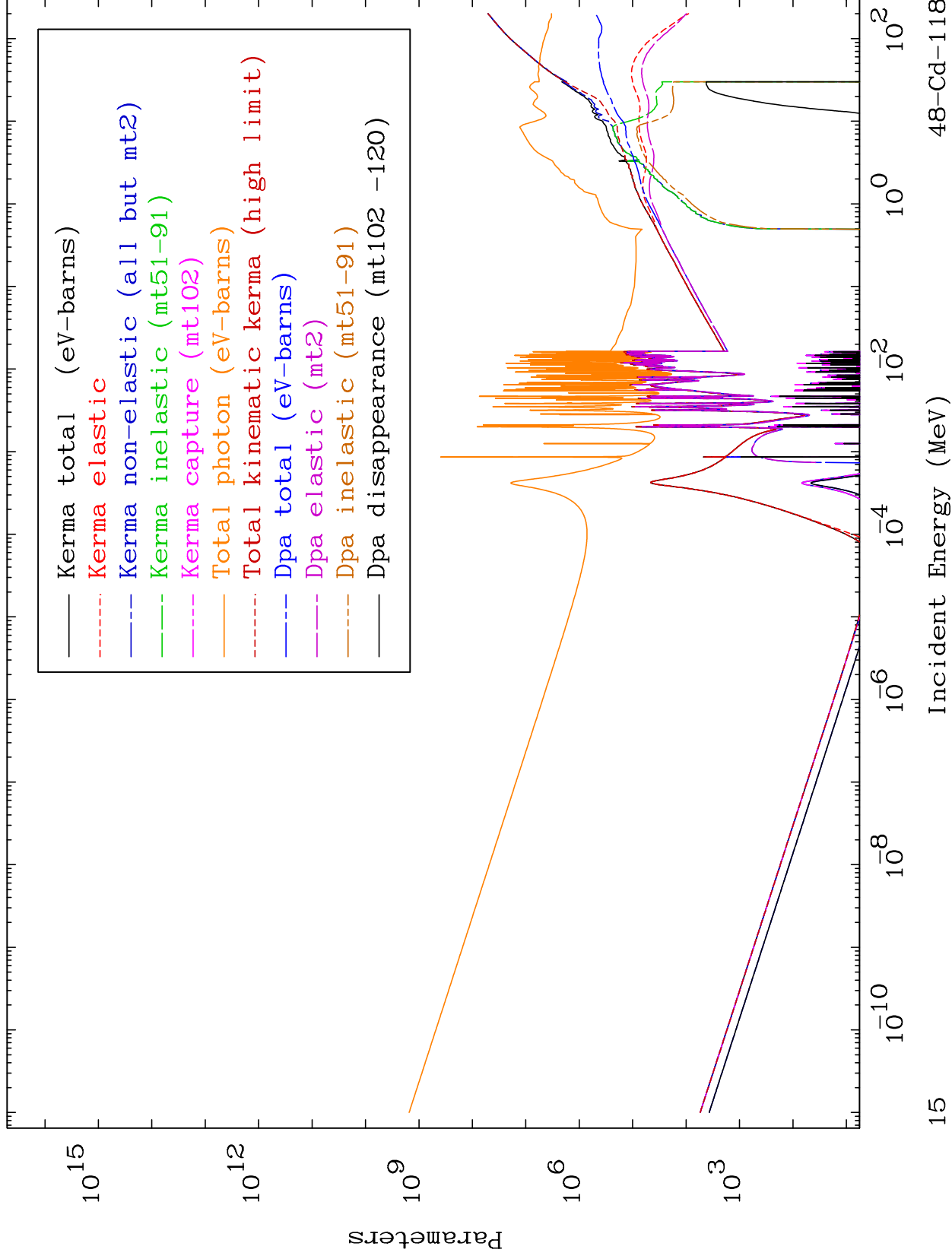
48-Cd-118



14

Incident Energy (MeV)

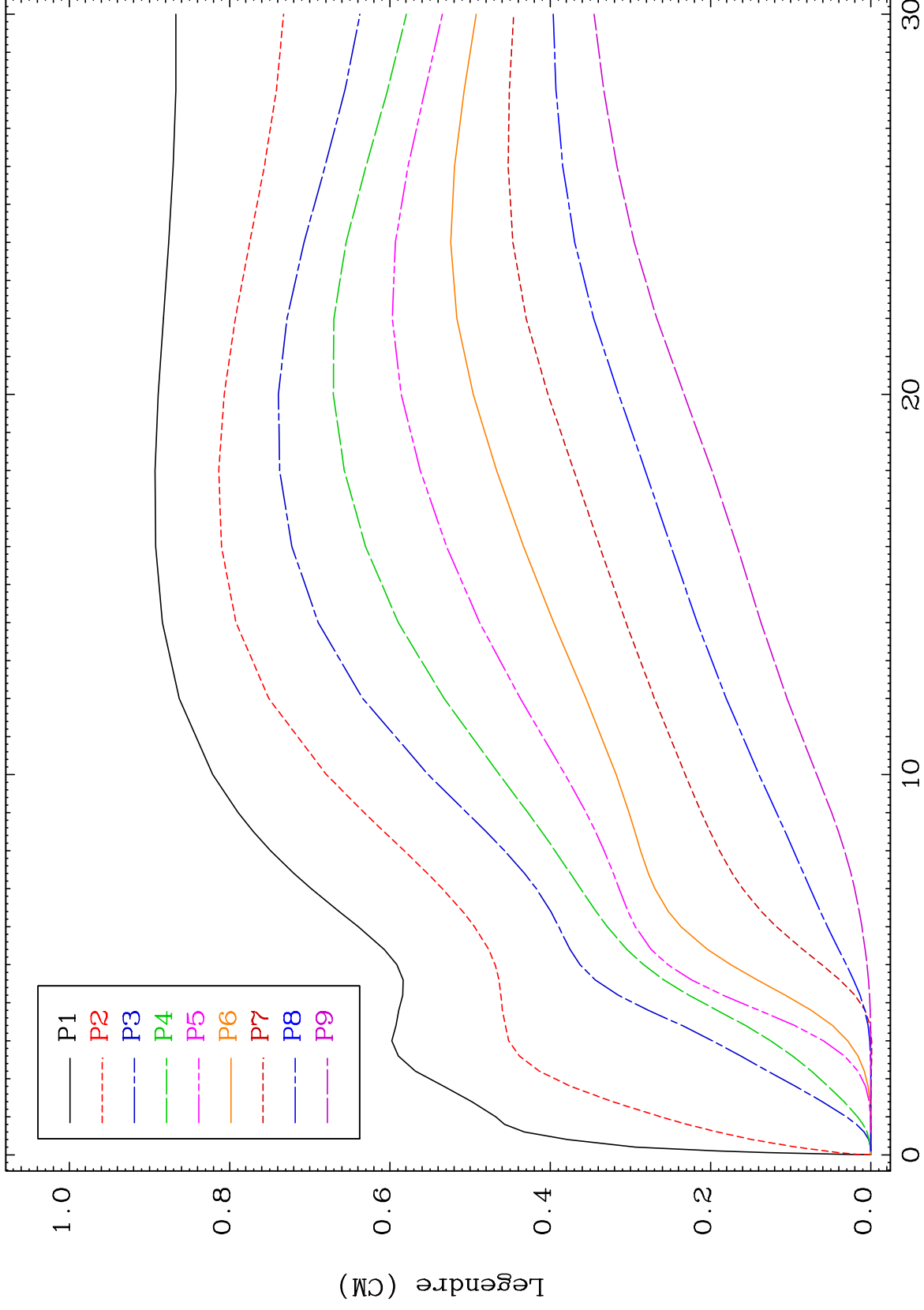
48-Cd-118



MAT 4861

Elastic Legendre Coefficients

48-Cd-118

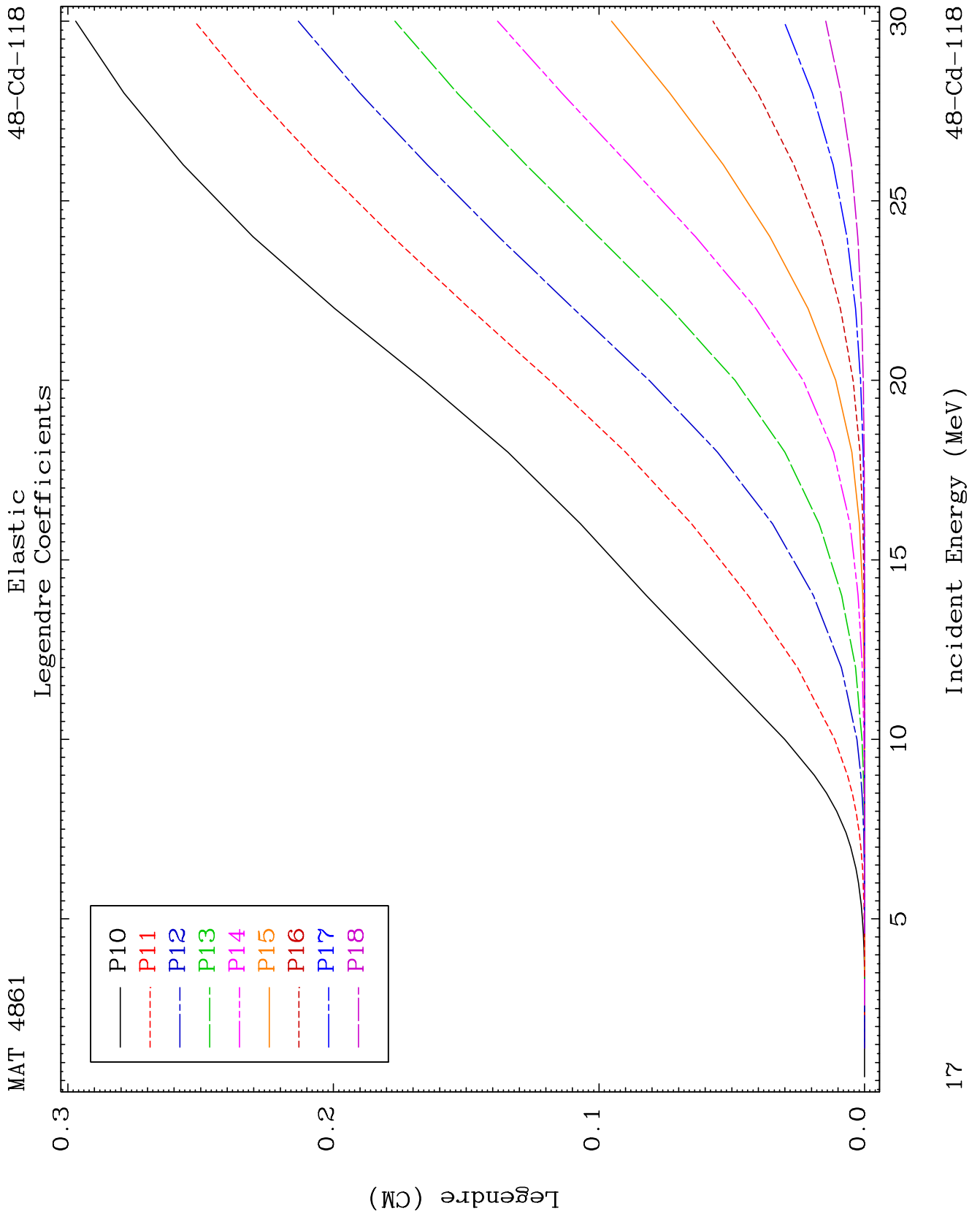


16

Incident Energy (MeV)

48-Cd-118

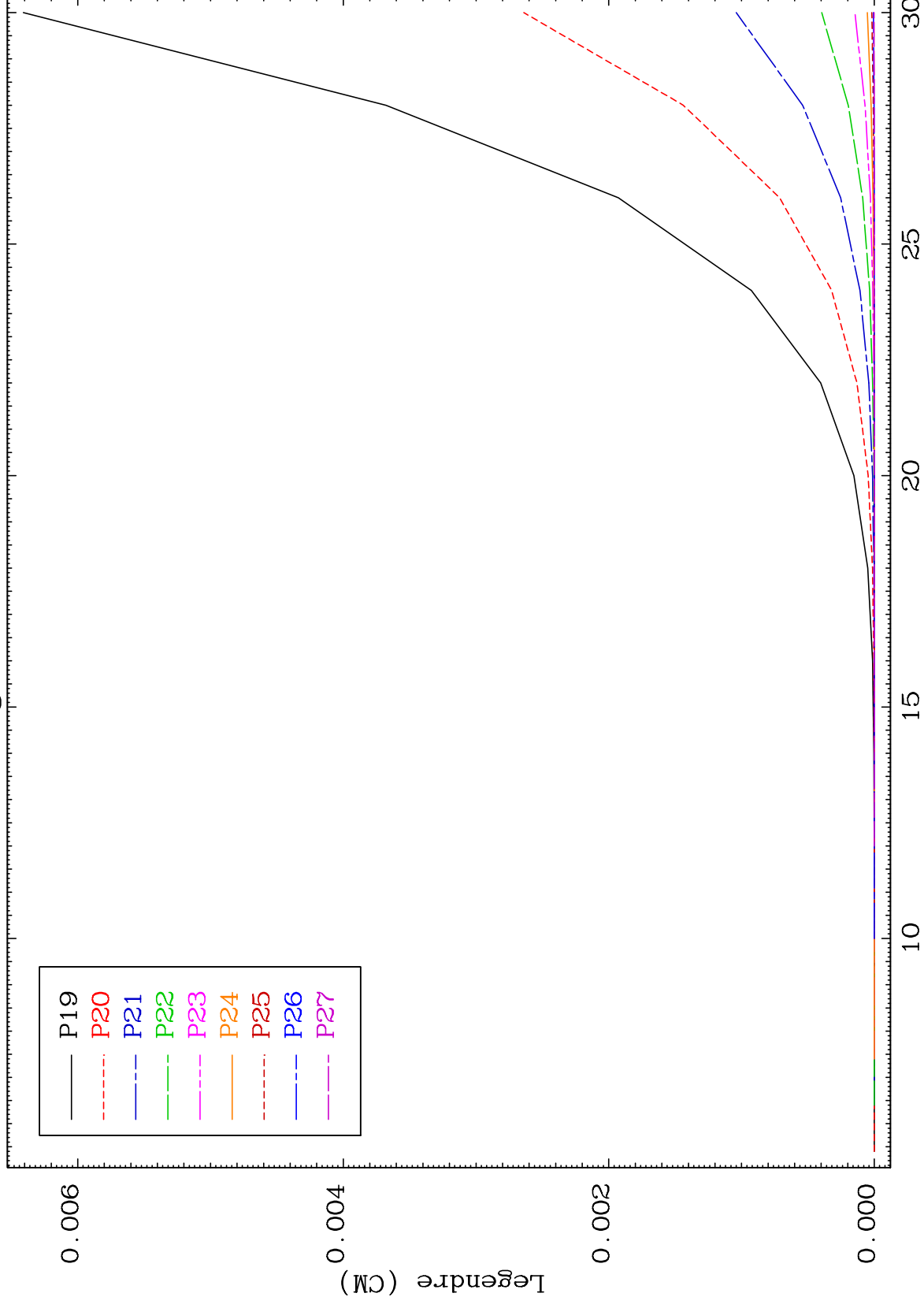
30



MAT 4861

Elastic Legendre Coefficients

48-Cd-118



18

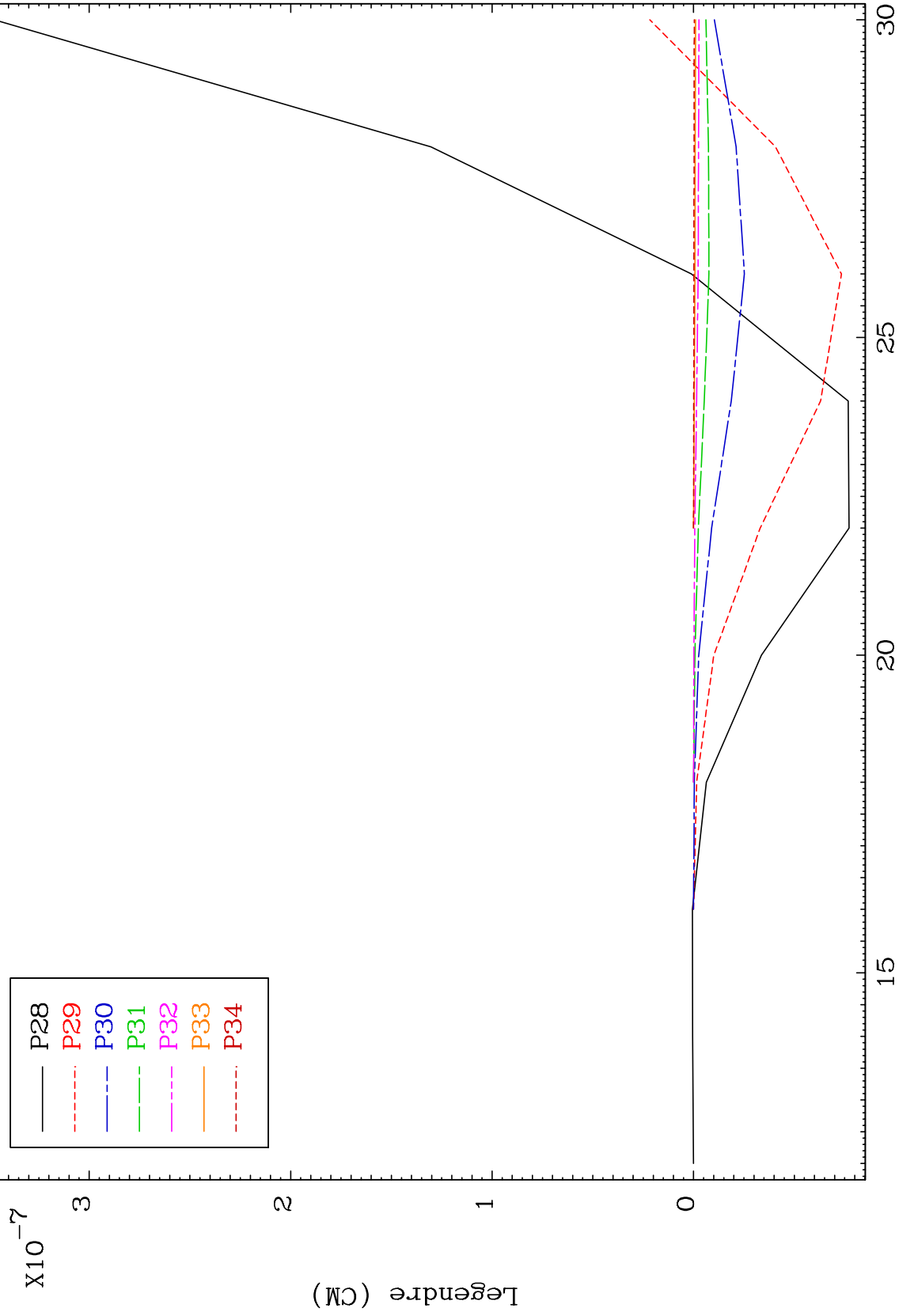
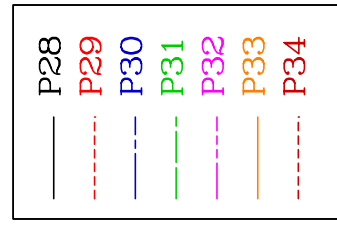
Incident Energy (MeV)

48-Cd-118

MAT 4861

Elastic
Legendre Coefficients

48-Cd-118



19

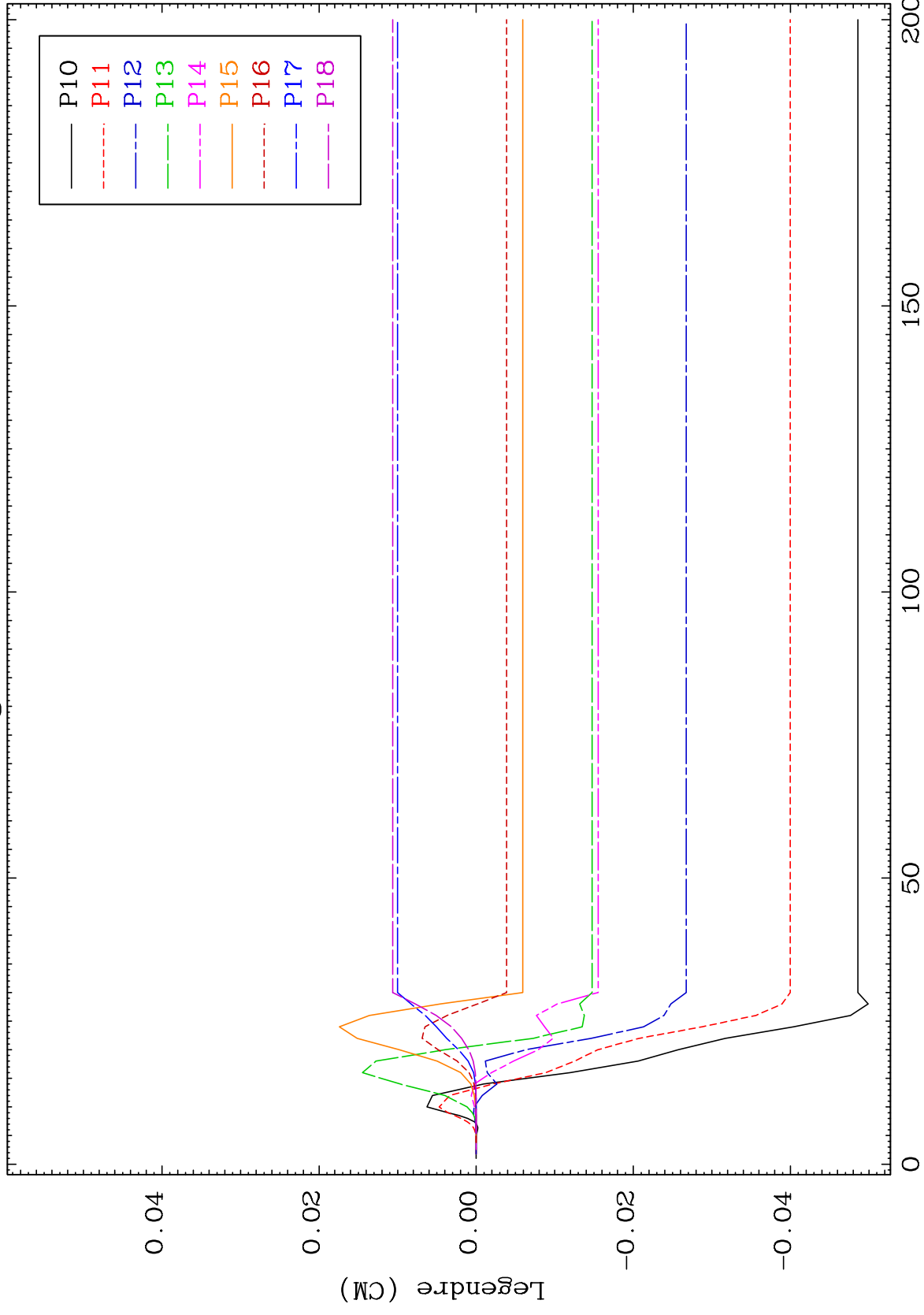
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



21

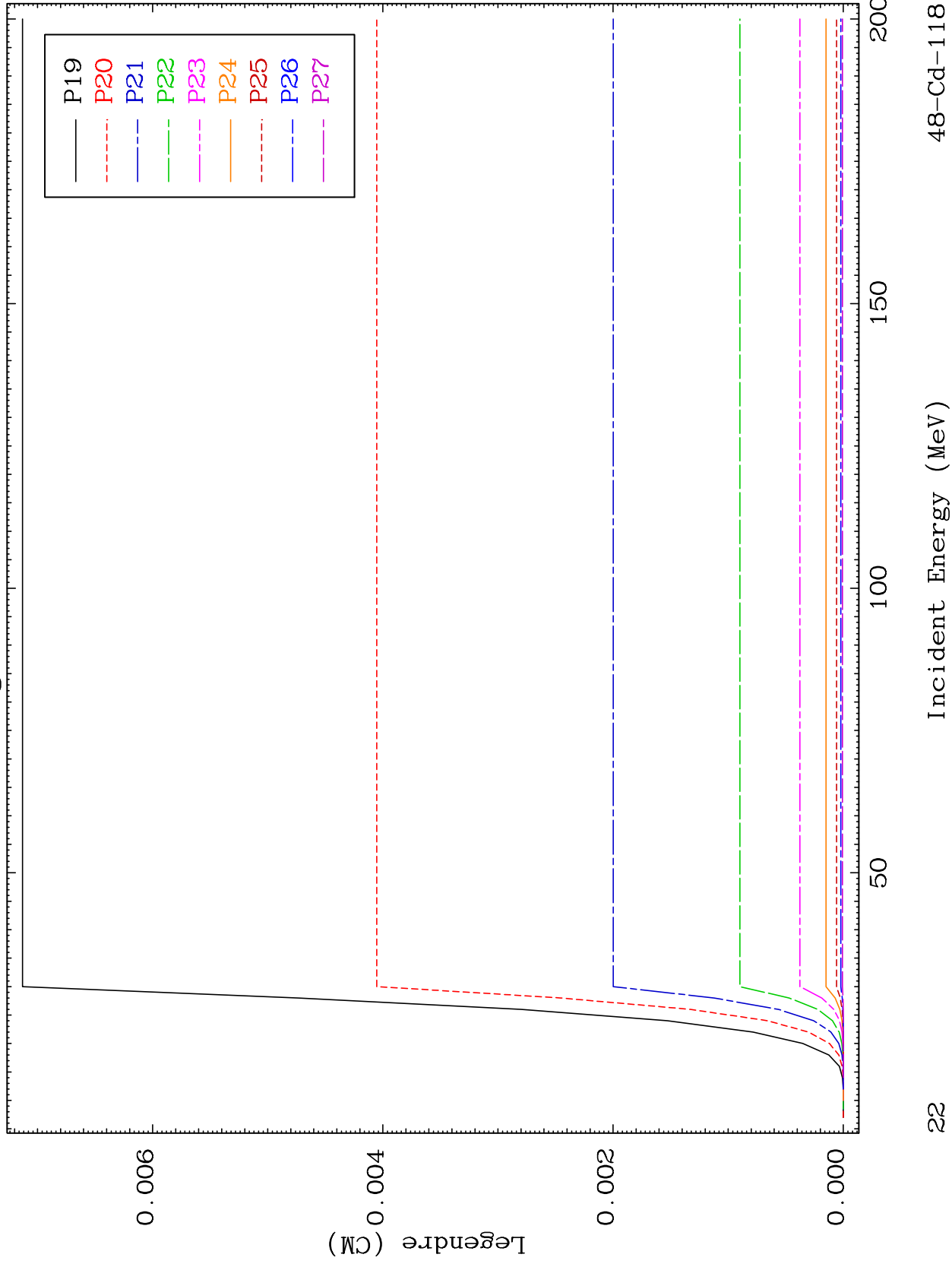
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



22

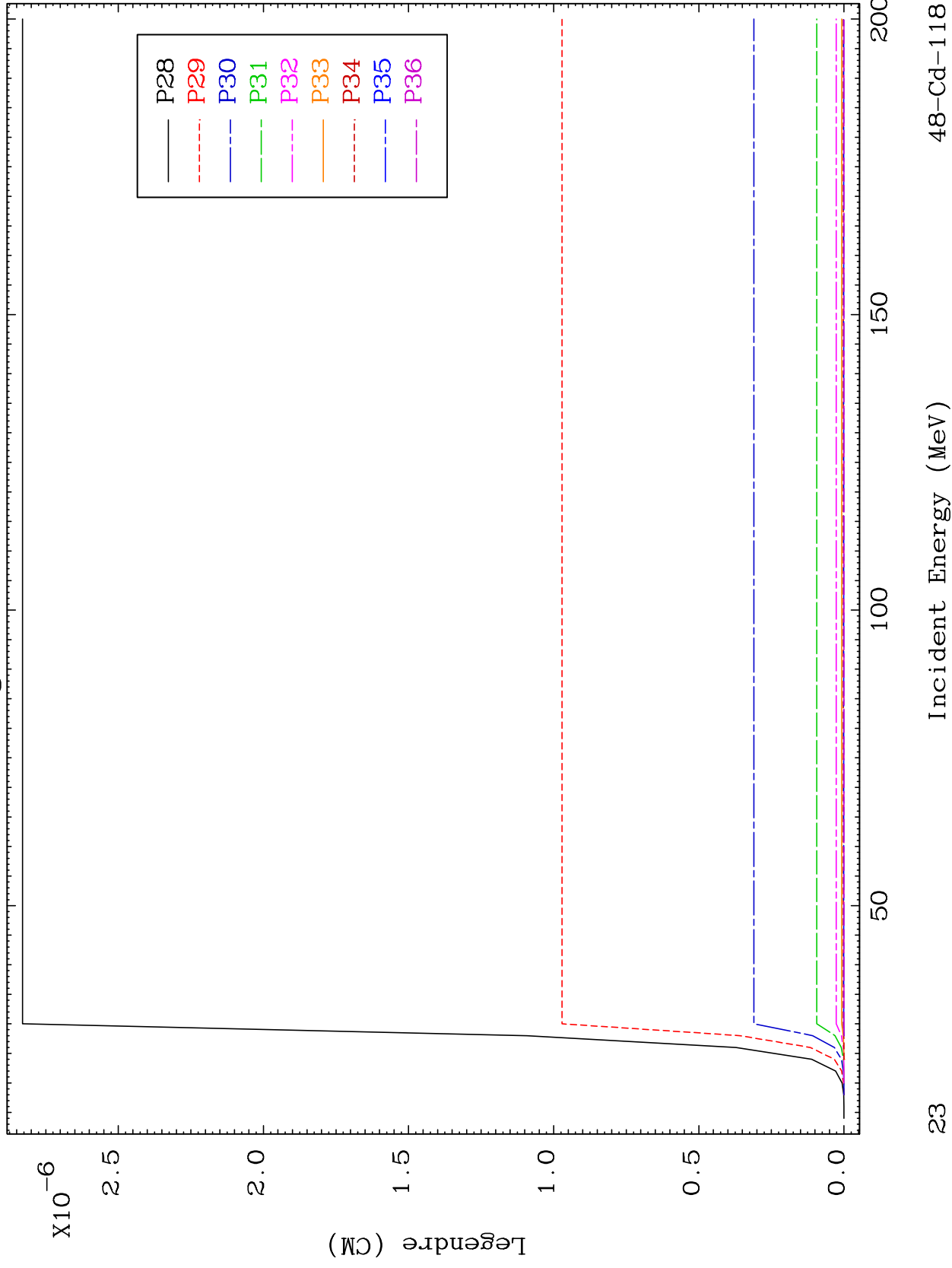
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118

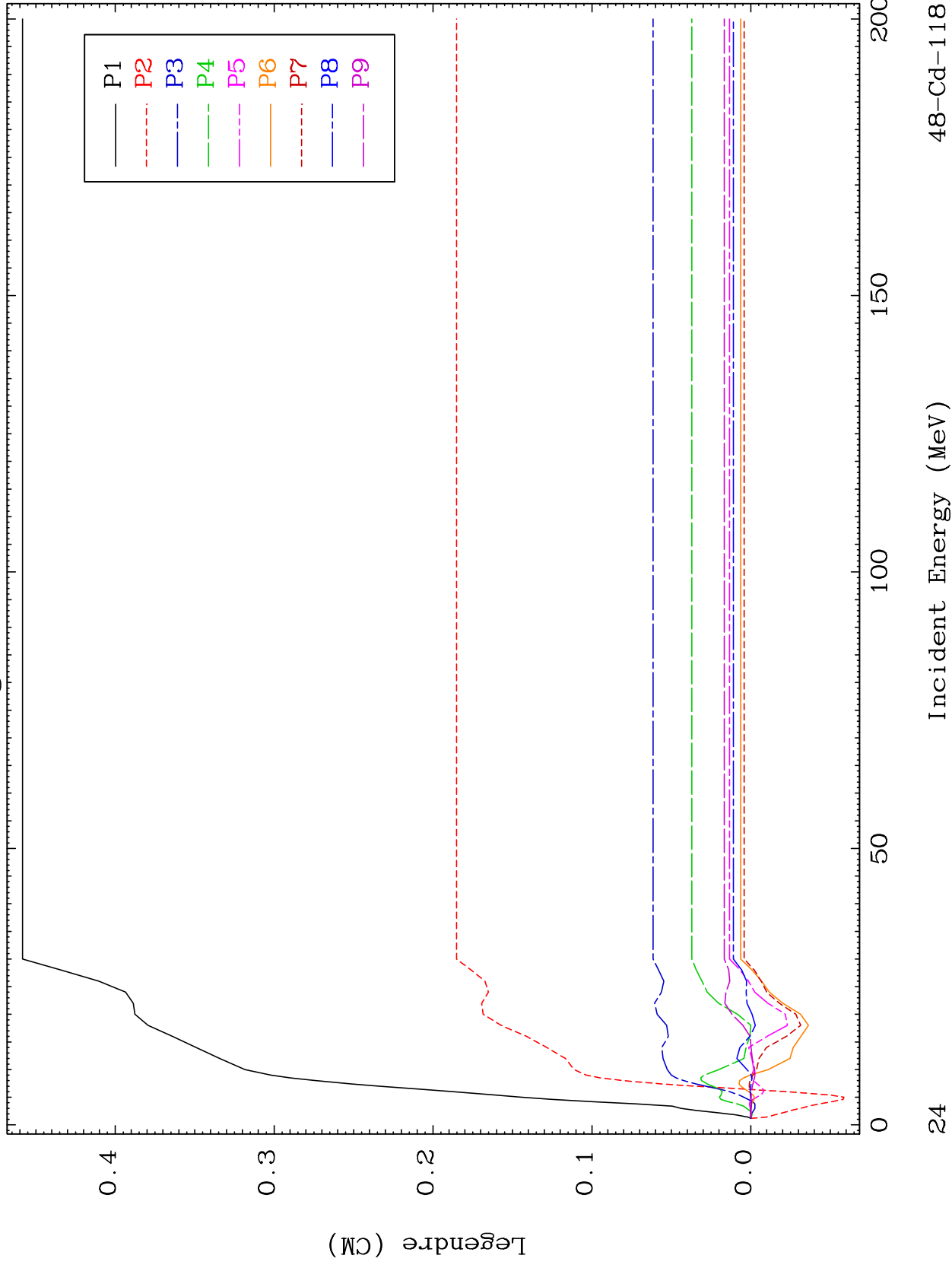


23

MAT 4861

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

48-Cd-118



48-Cd-118

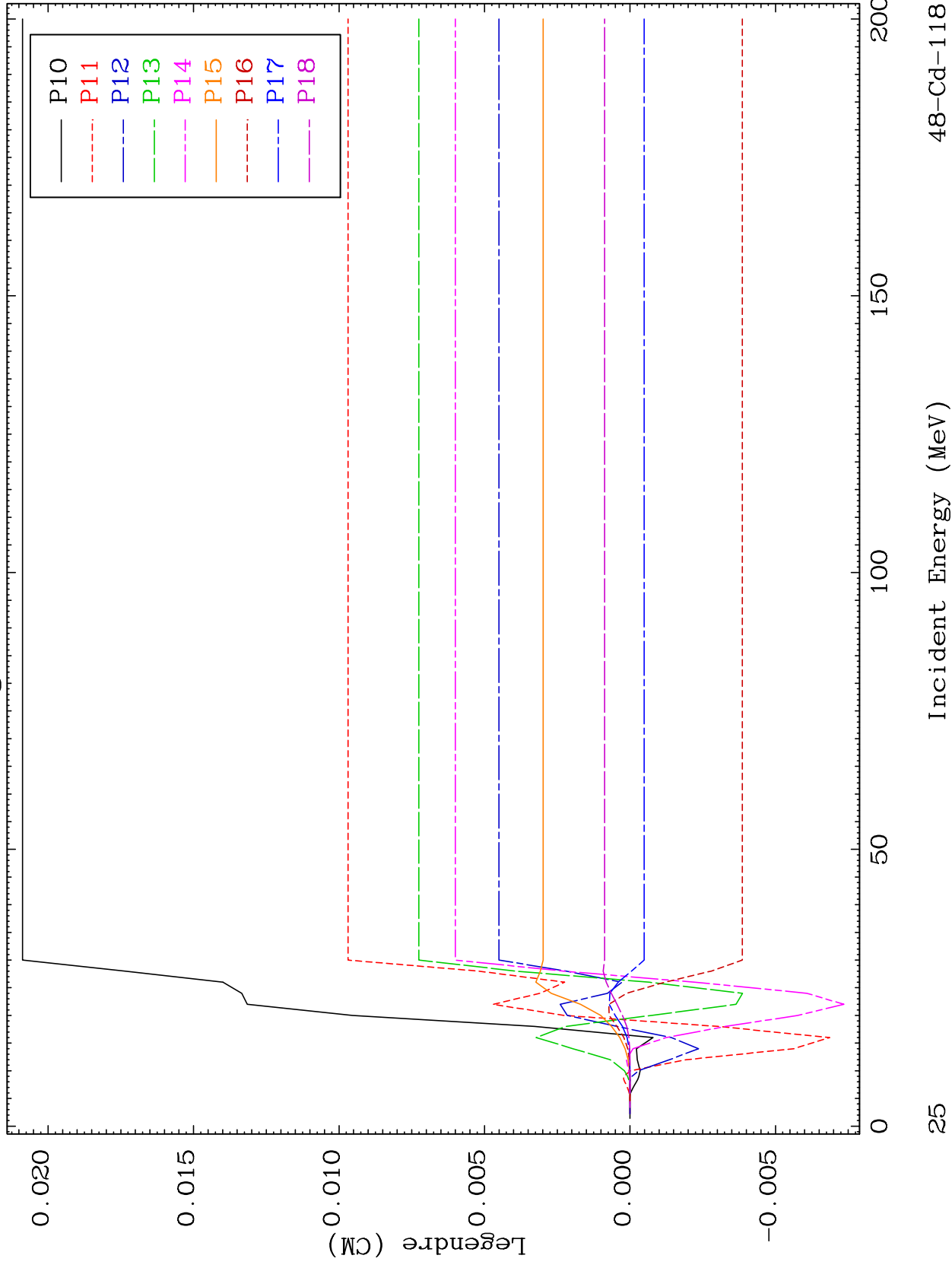
Incident Energy (MeV)

24

MAT 4861

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

48-Cd-118



48-Cd-118

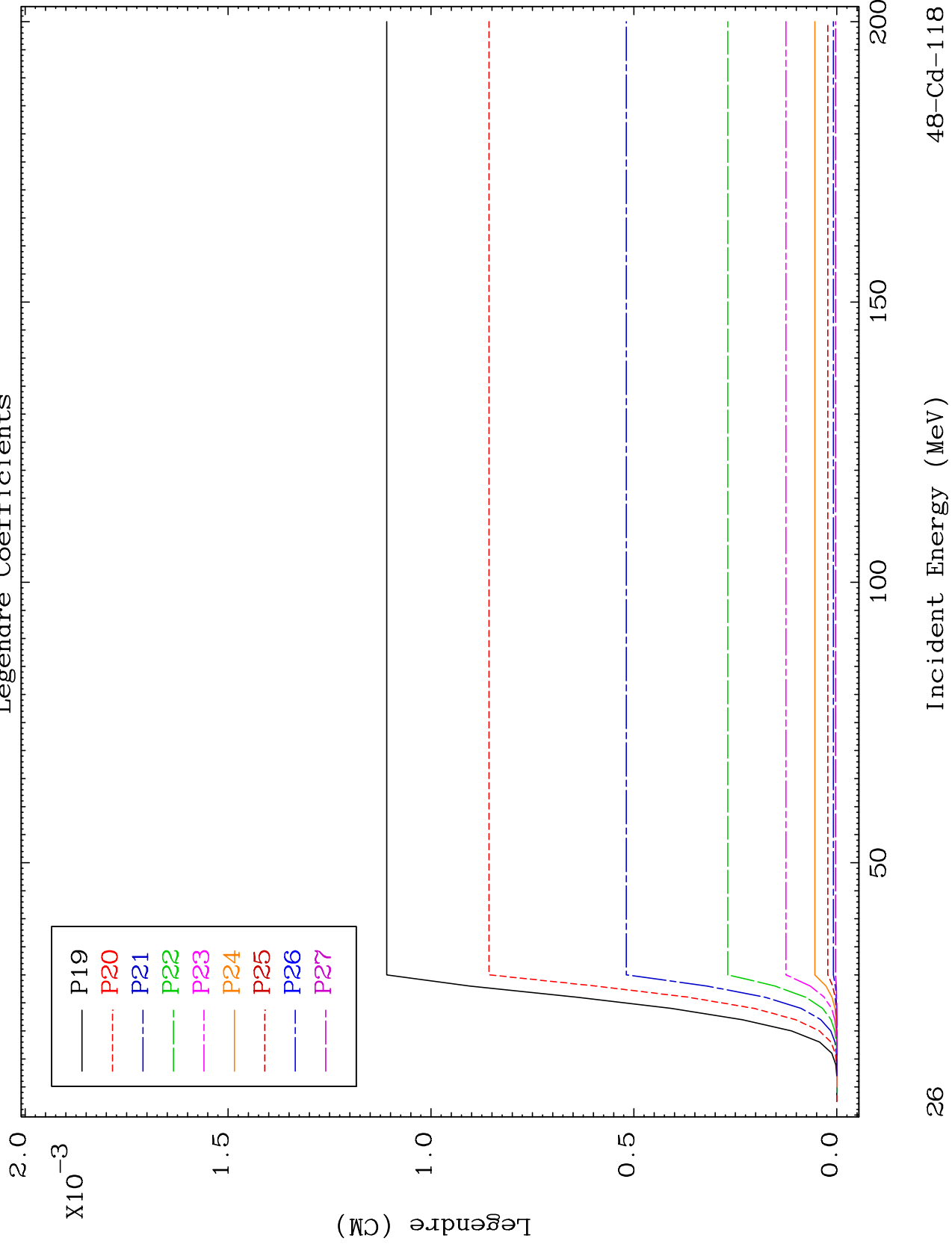
Incident Energy (MeV)

25

MAT 4861

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

48-Cd-118



26

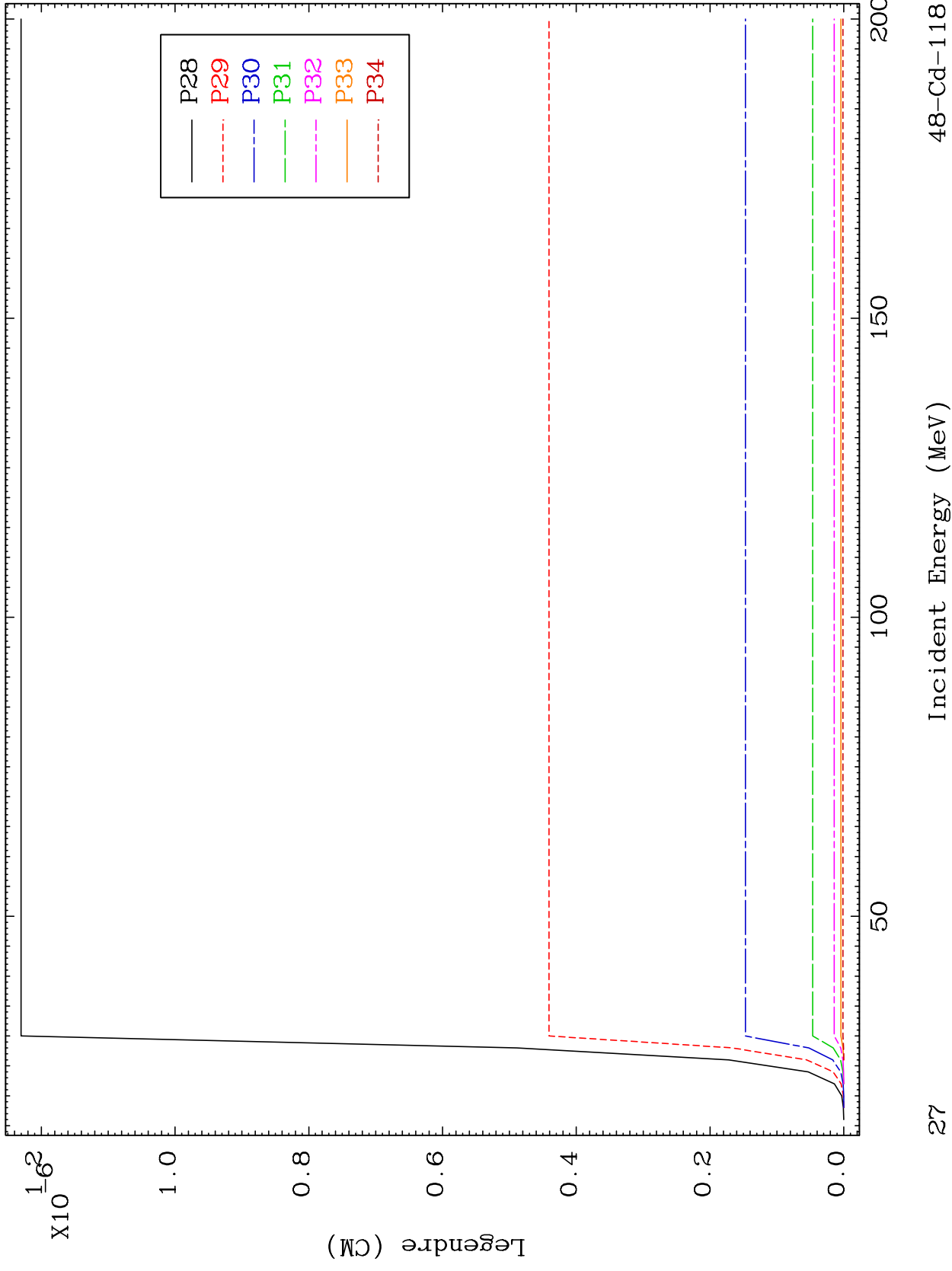
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

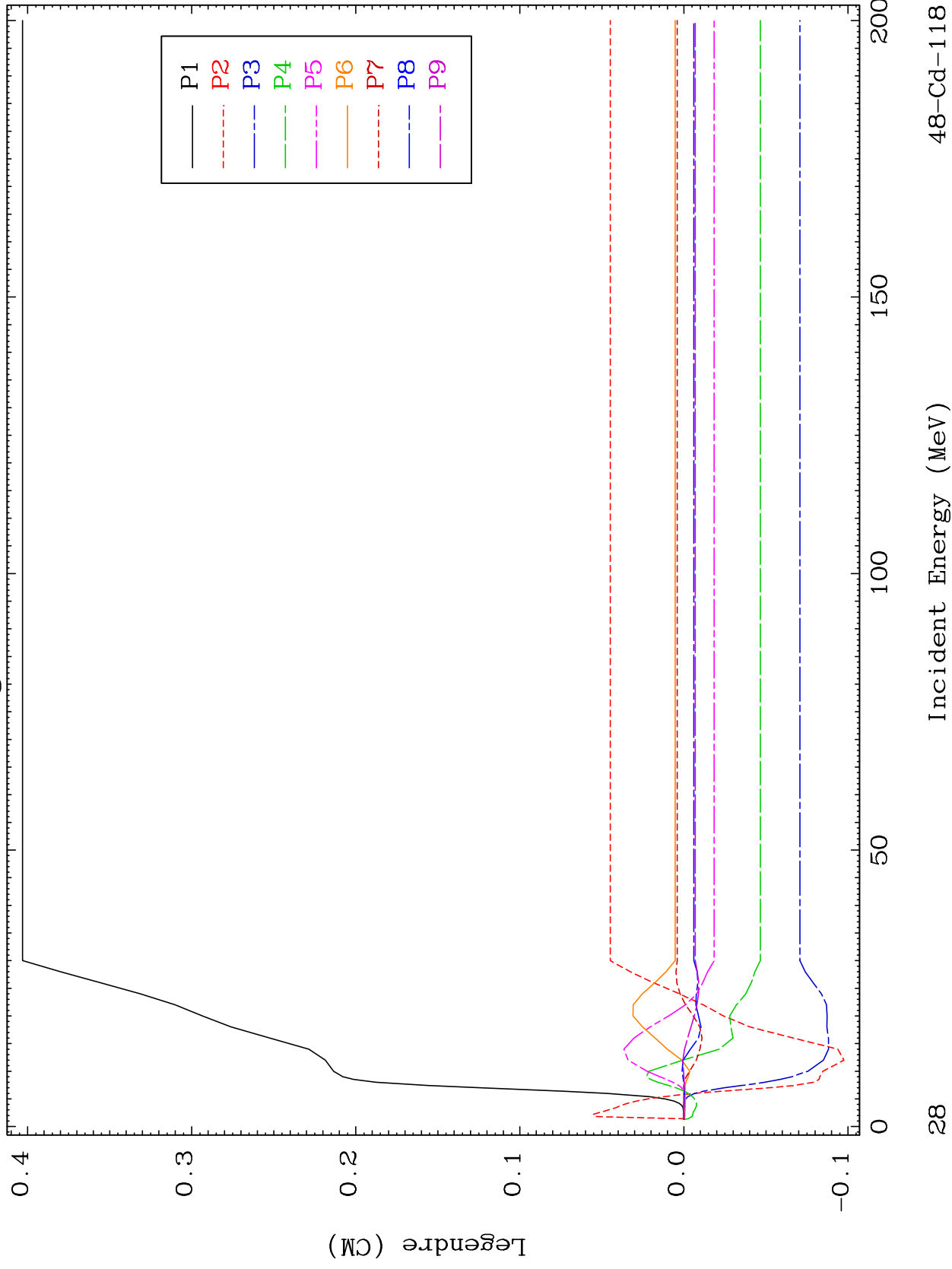
48-Cd-118



MAT 4861

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

48-Cd-118



48-Cd-118

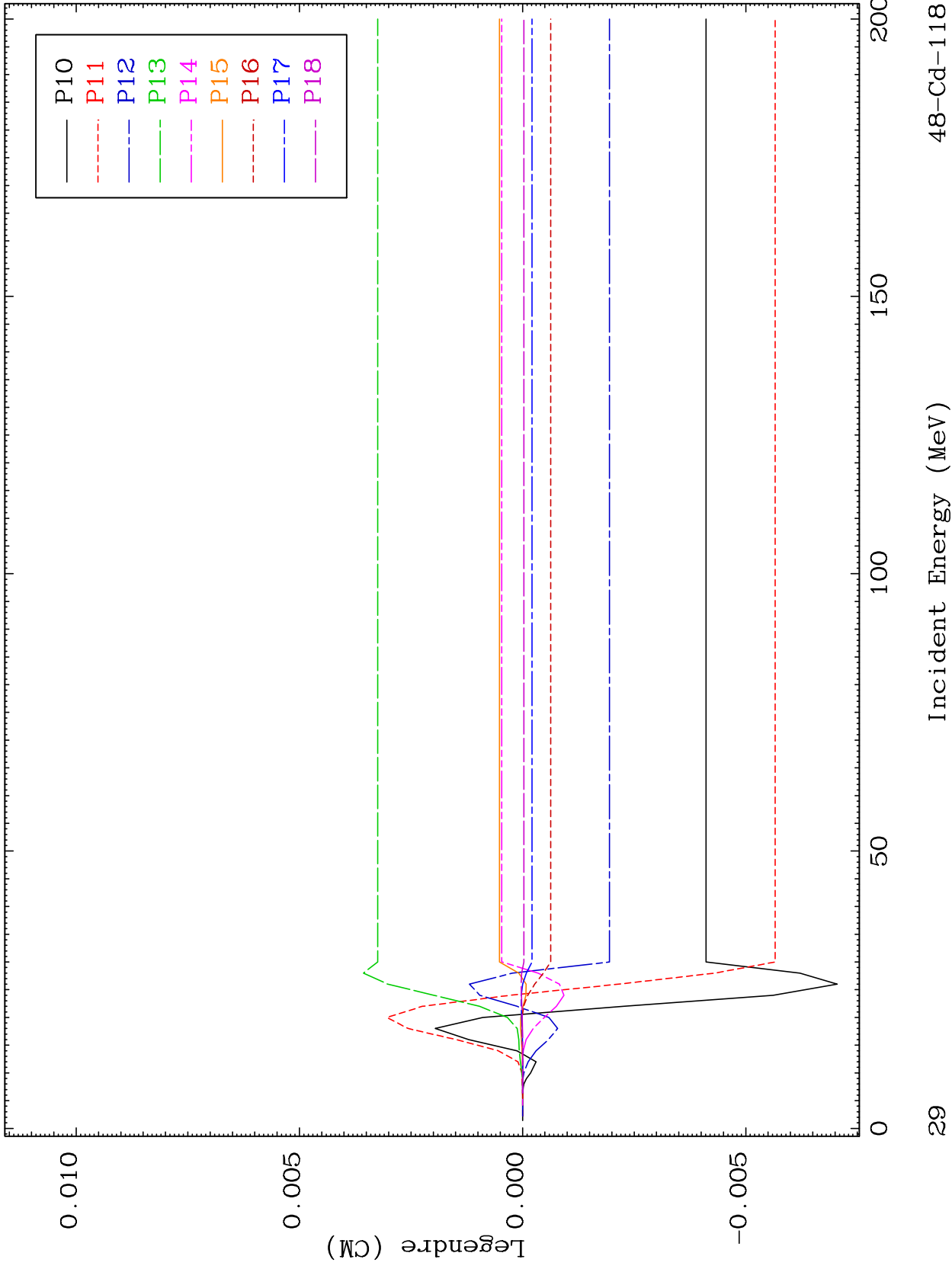
Incident Energy (MeV)

28

MAT 4861

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

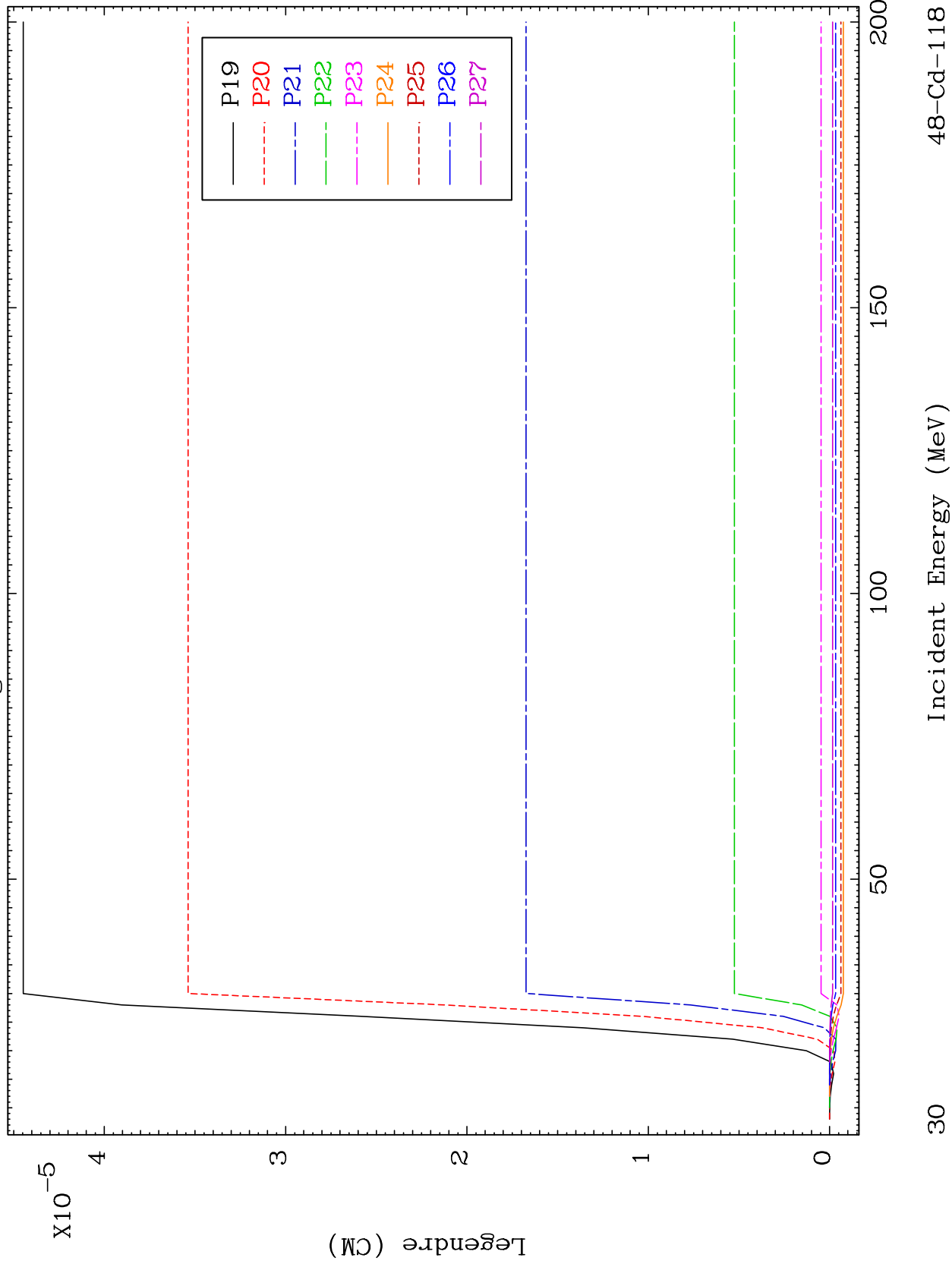
48-Cd-118



MAT 4861

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

48-Cd-118



48-Cd-118

Incident Energy (MeV)

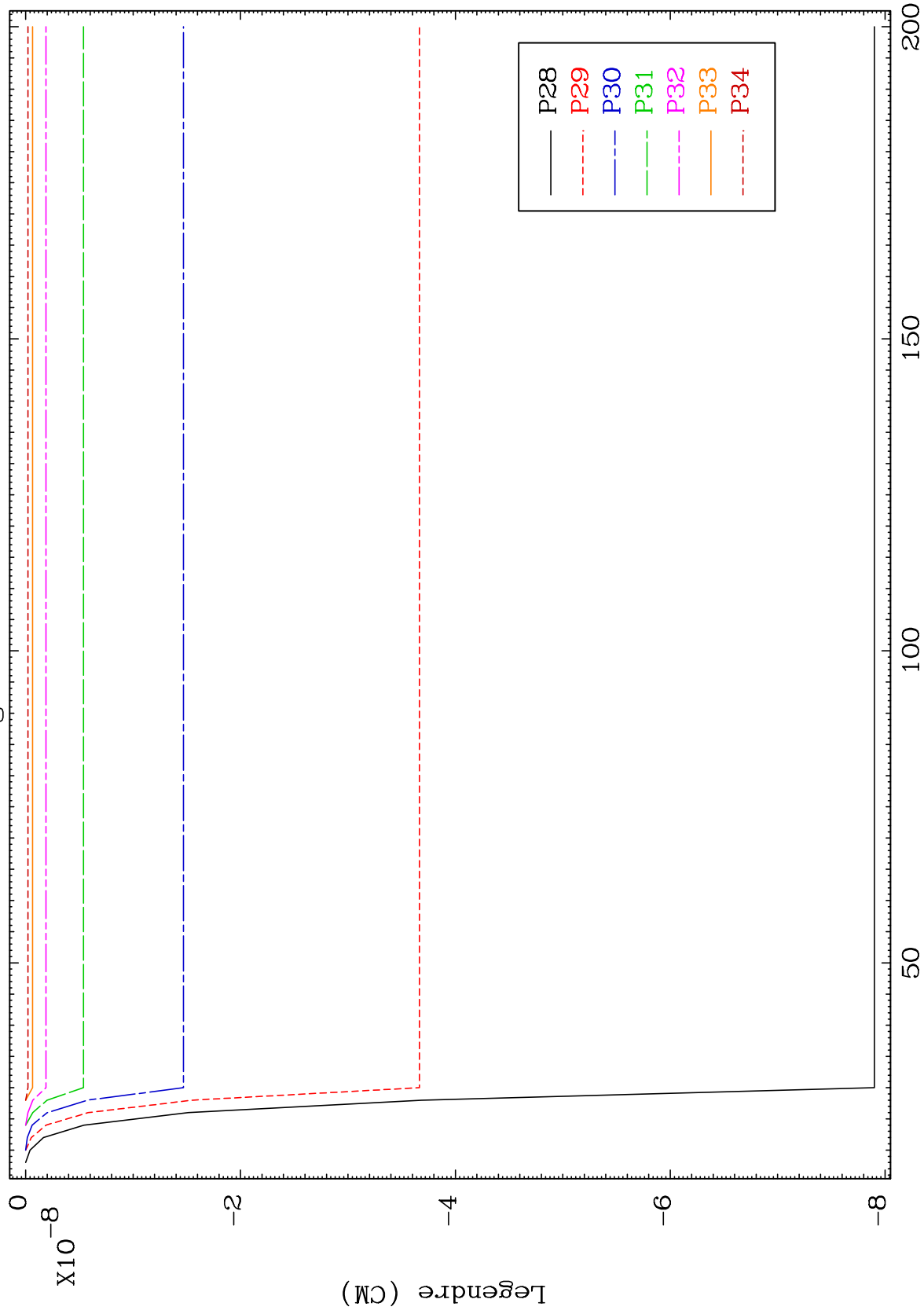
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MAT 4861

MT= 53 (n,n') Level

48-Cd-118

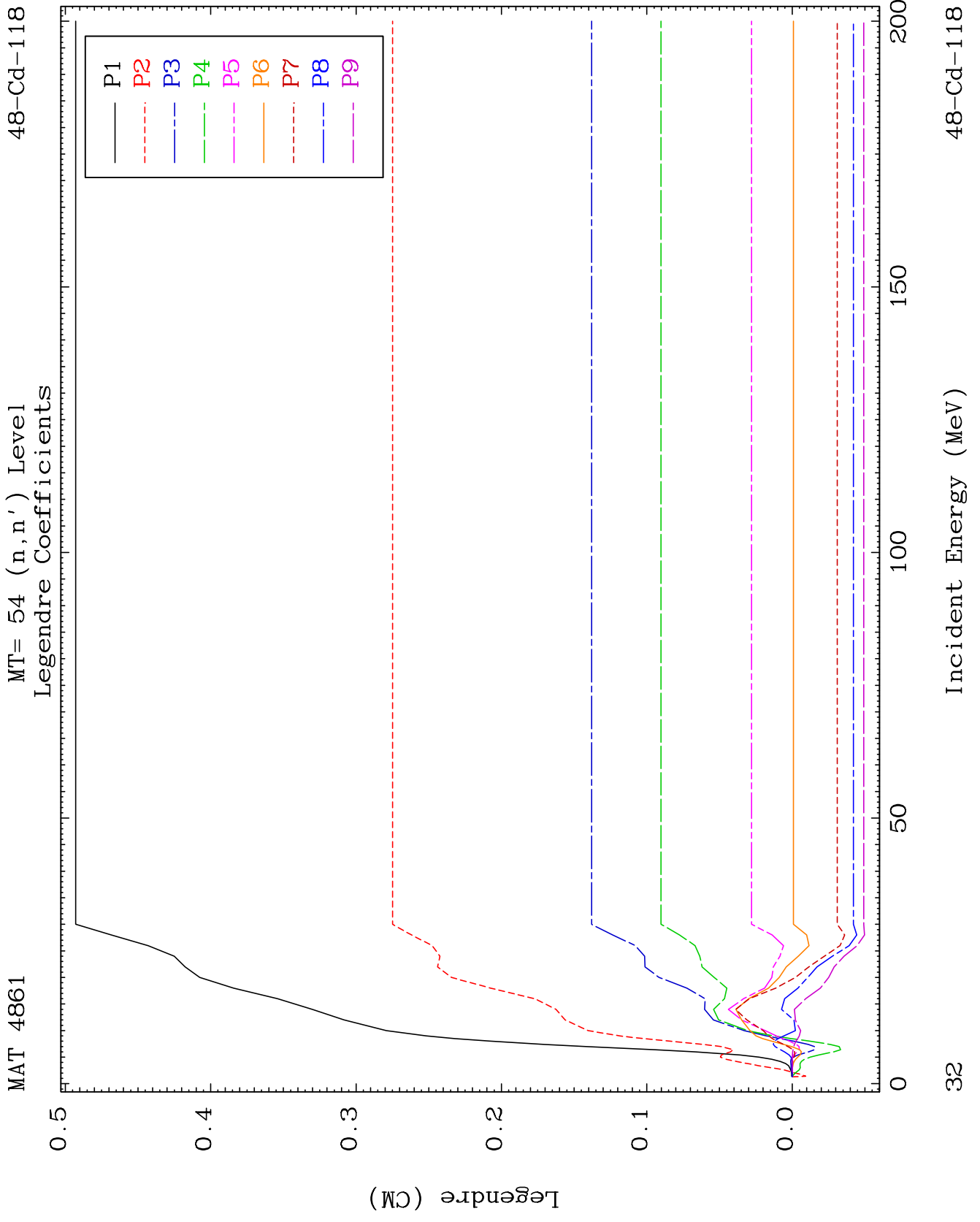
Legendre Coefficients



31

Incident Energy (MeV)

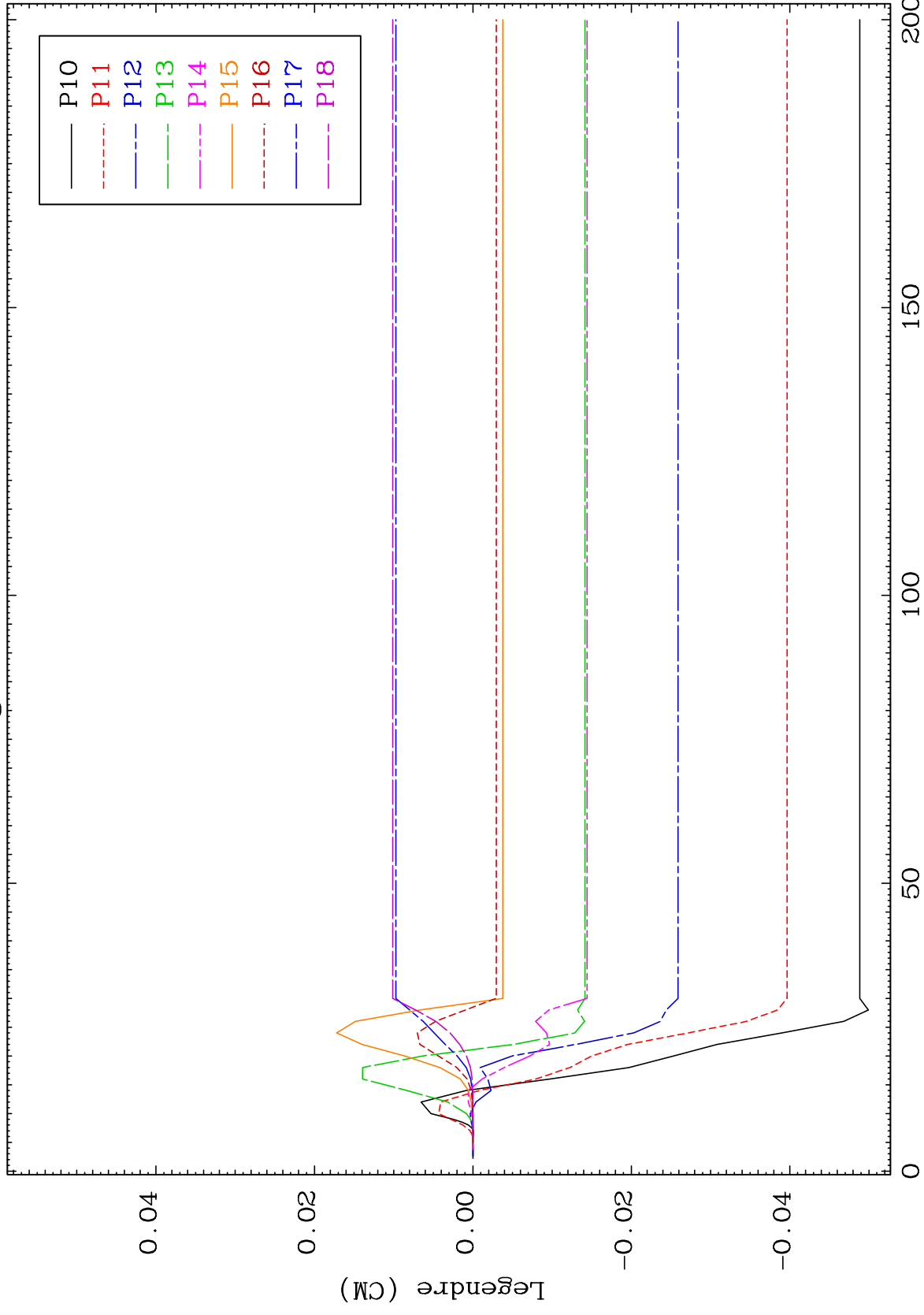
48-Cd-118



MAT 4861

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

48-Cd-118



33

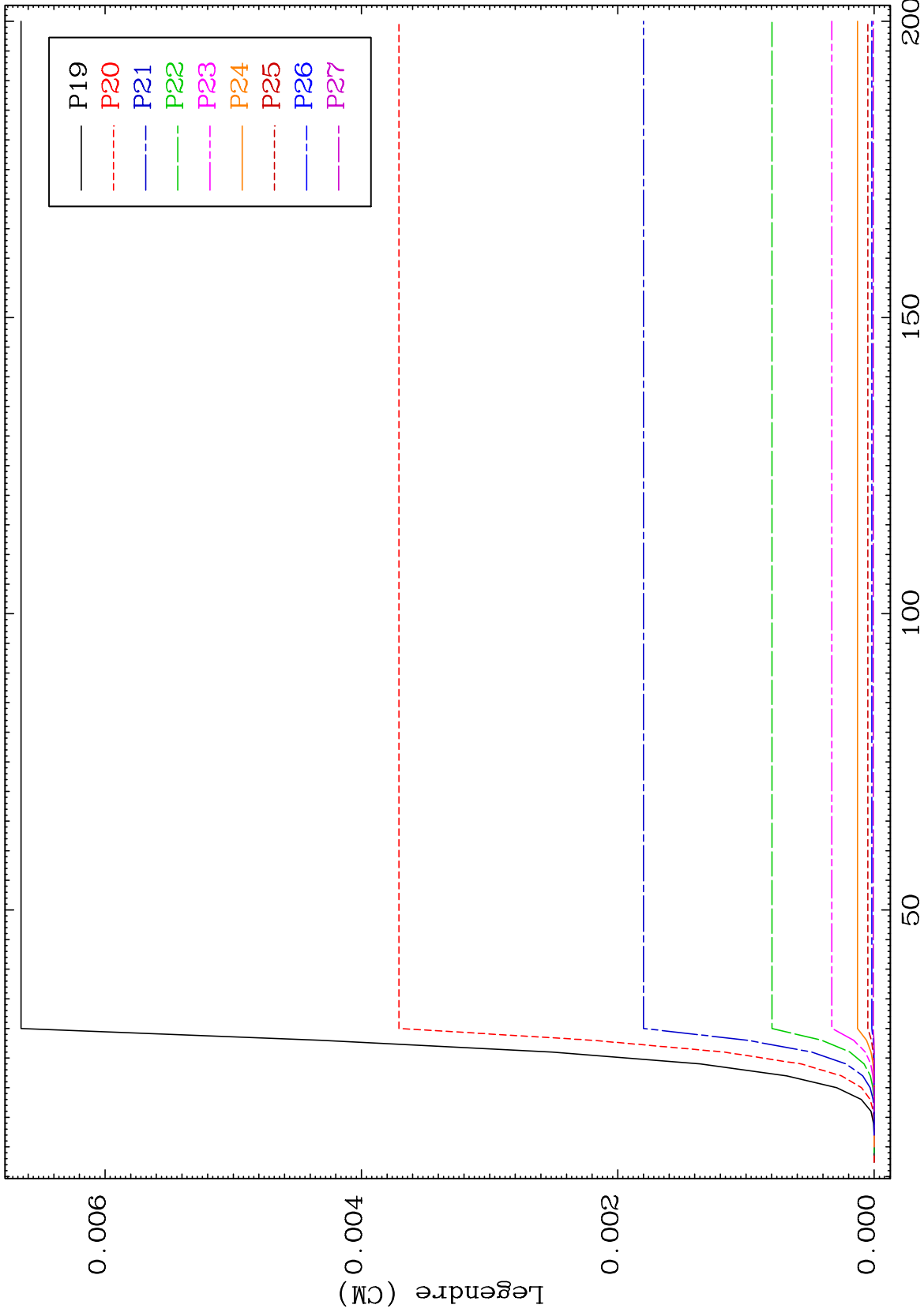
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



34

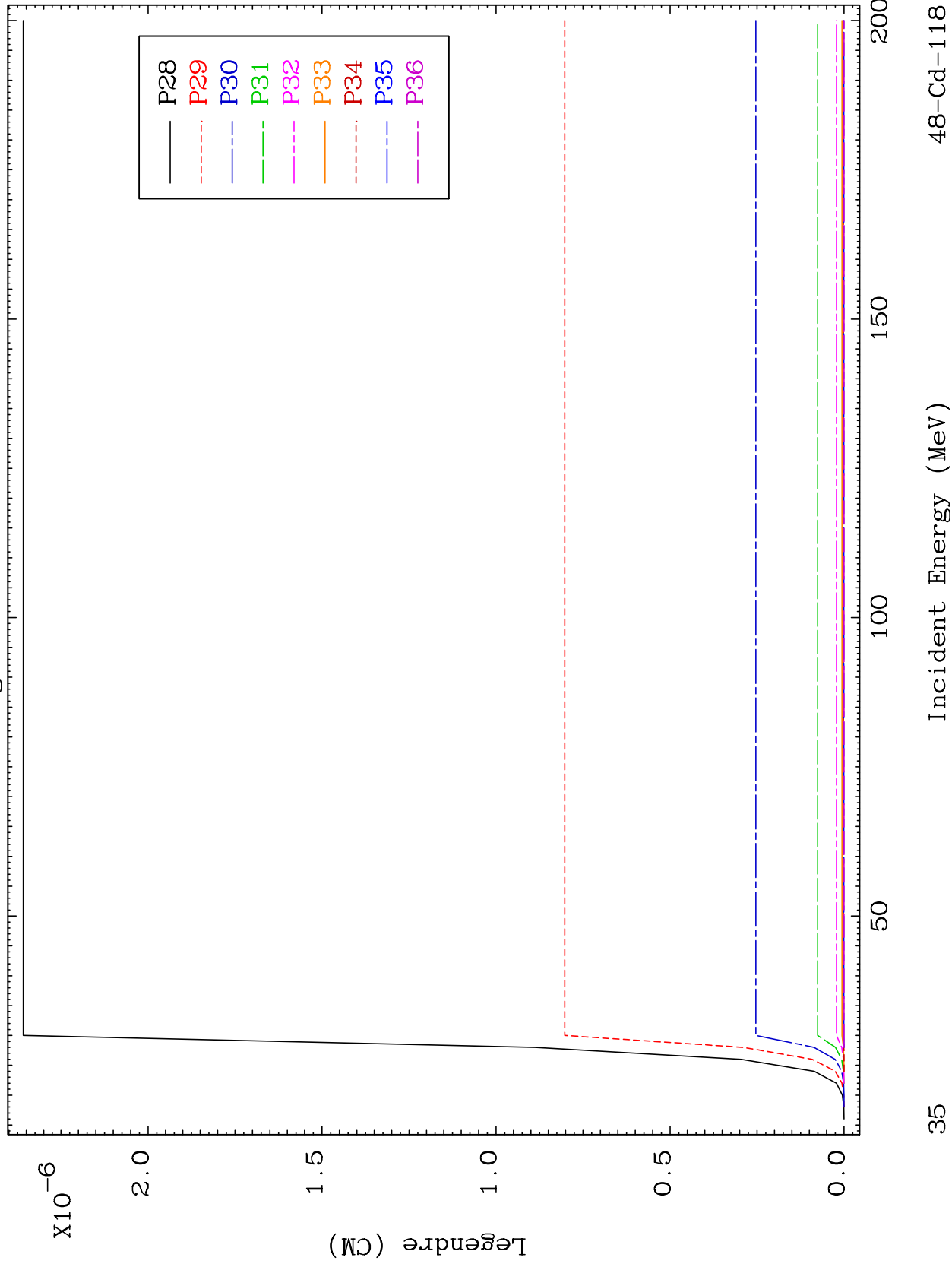
Incident Energy (MeV)

48-Cd-118

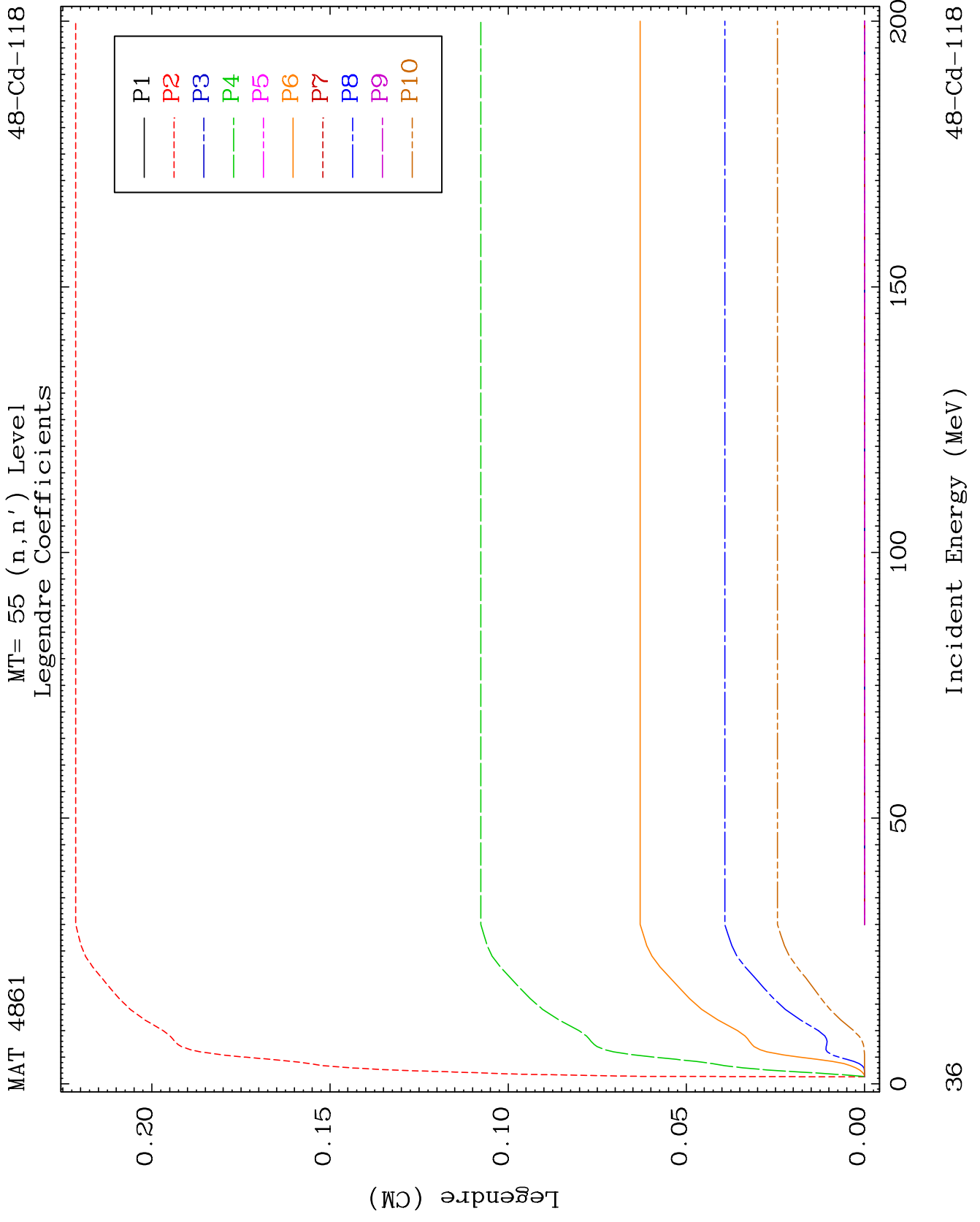
MAT 4861

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

48-Cd-118



35

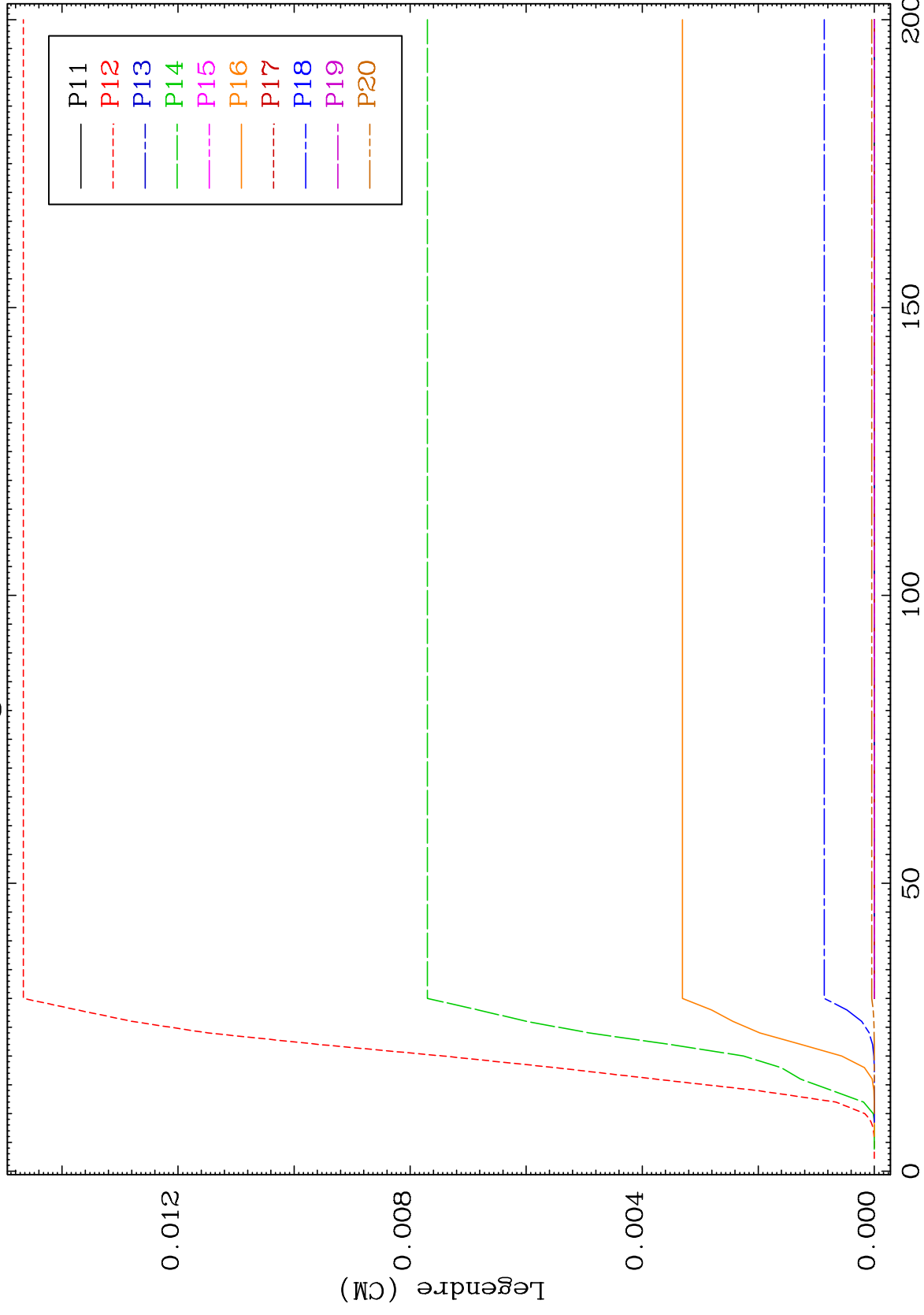


MAT 4861

MT= 55 (n,n') Level

48-Cd-118

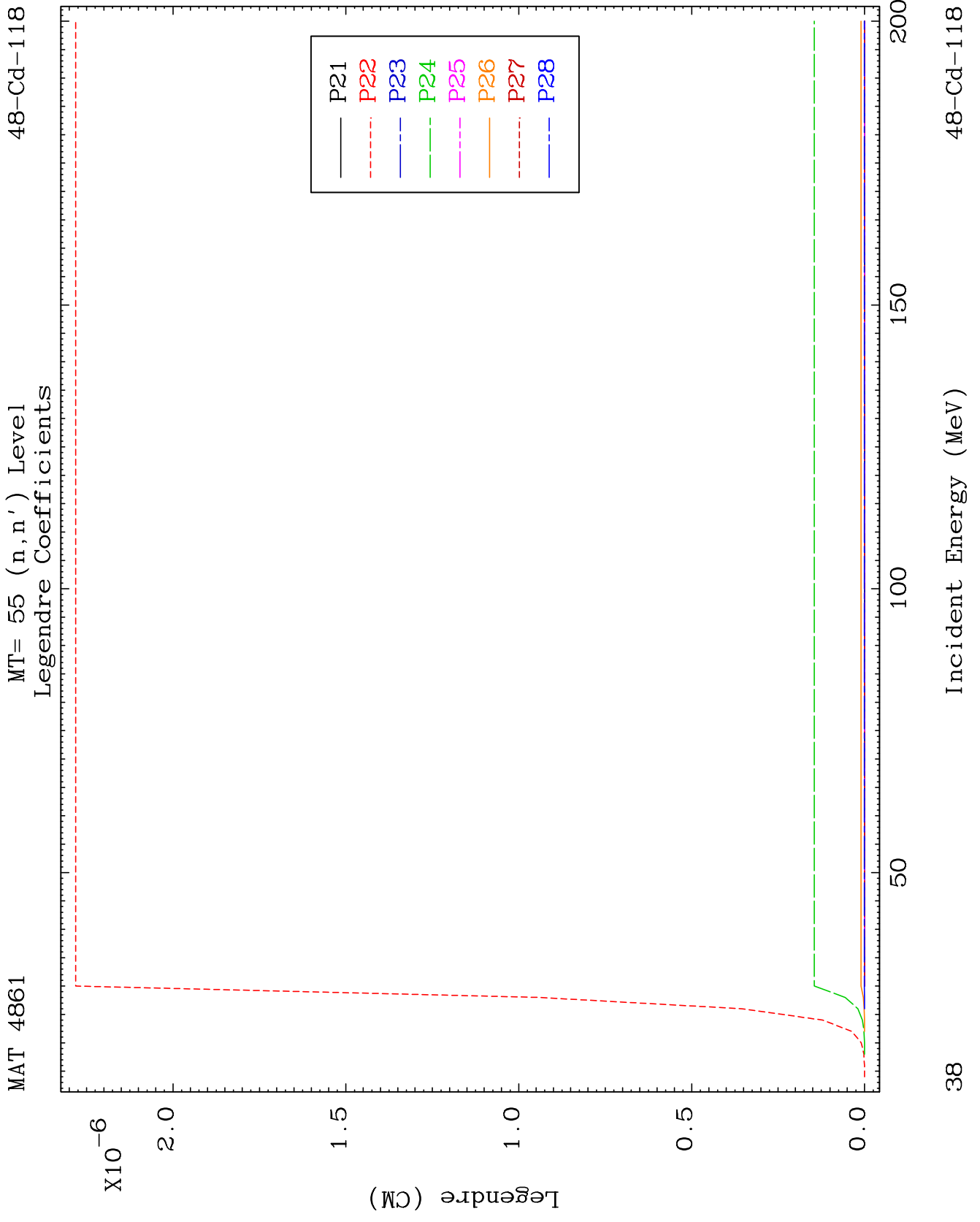
Legendre Coefficients

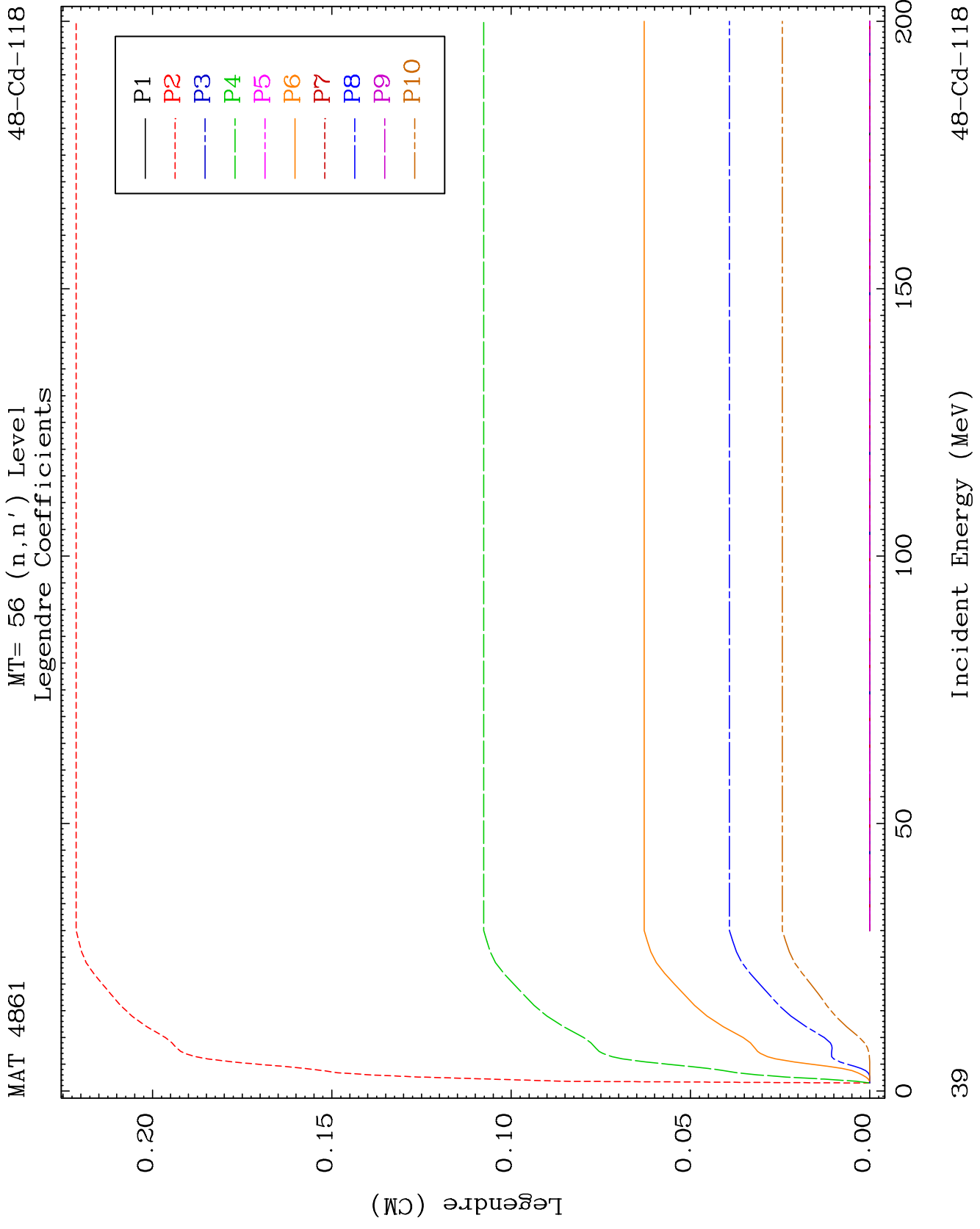


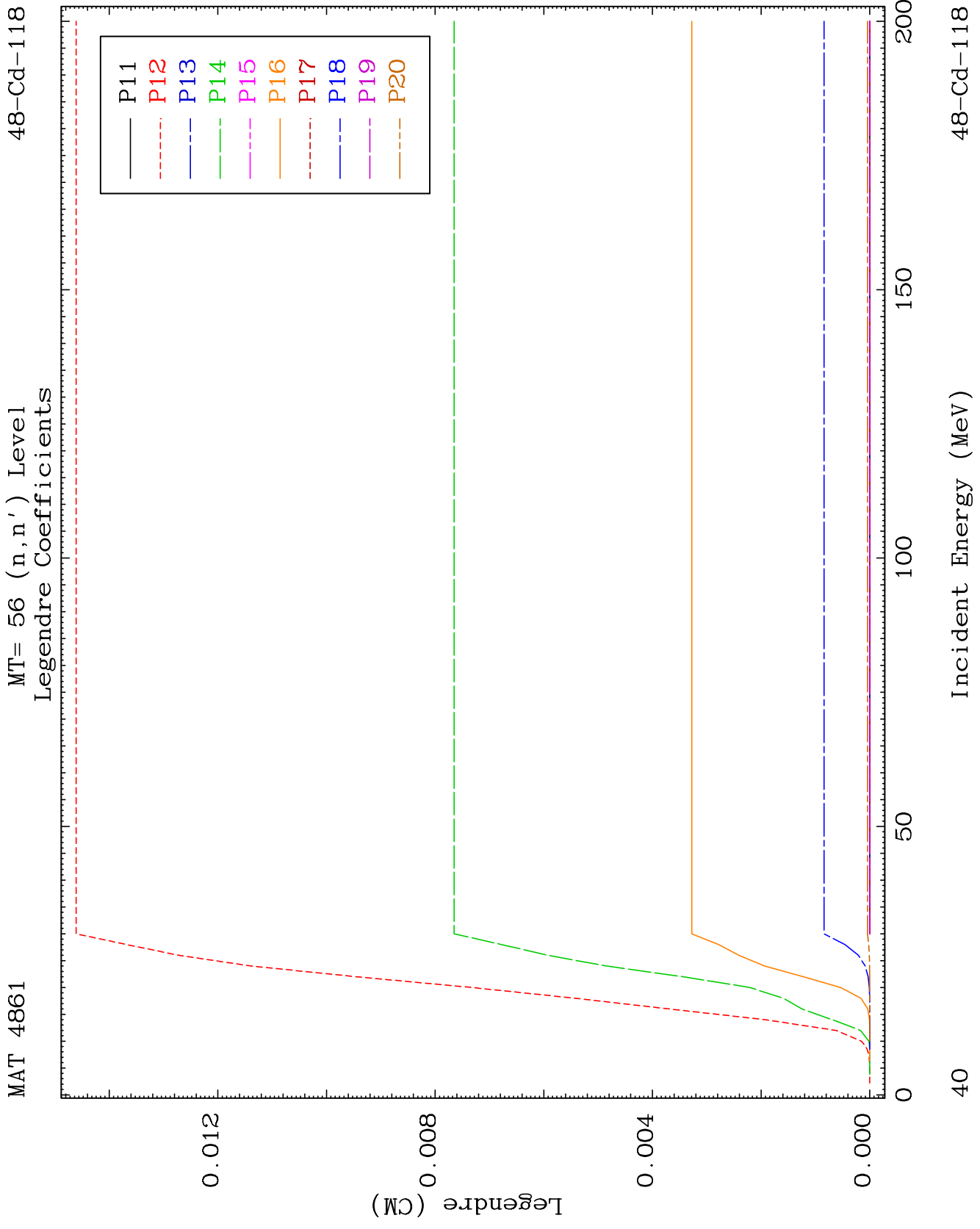
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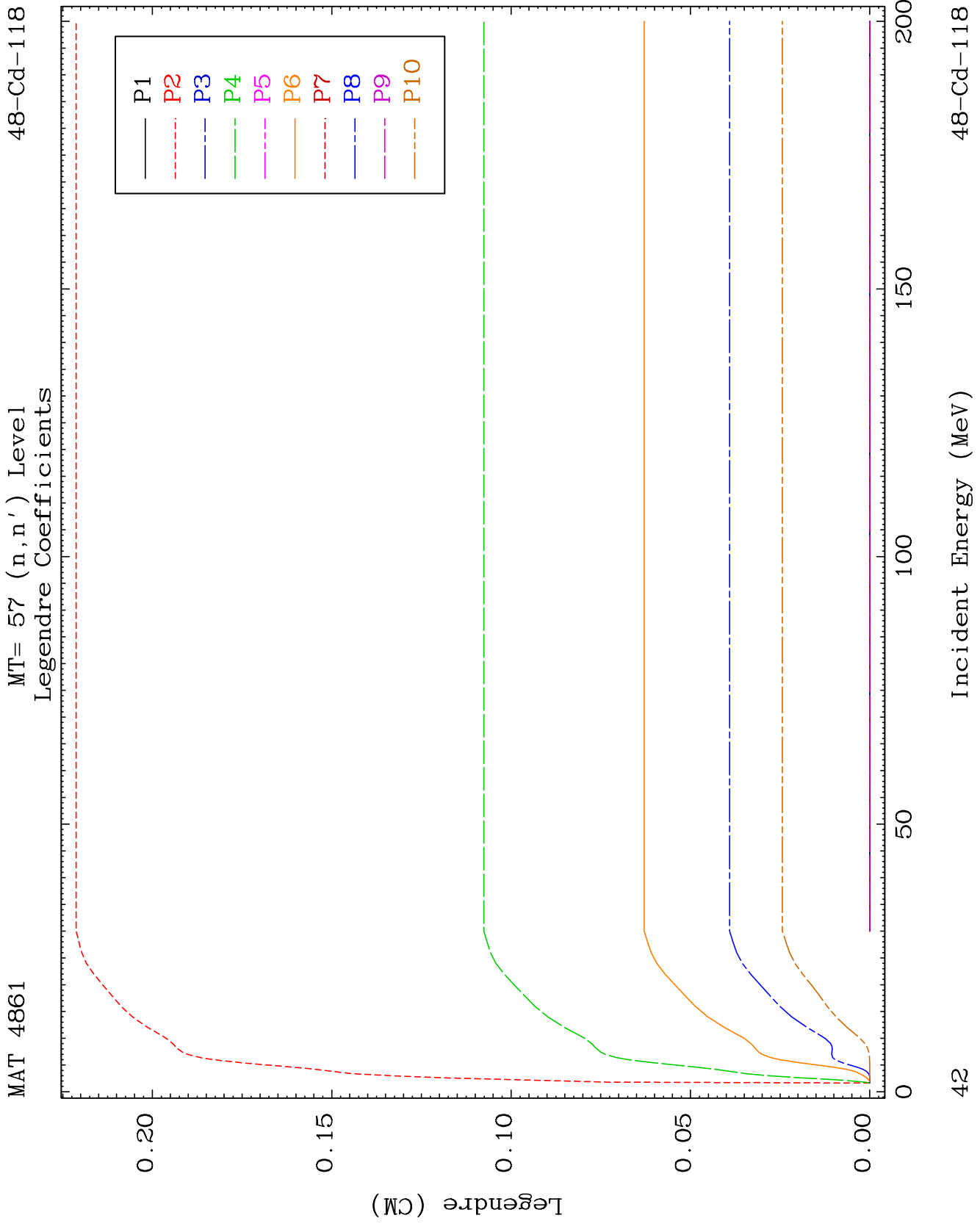
Incident Energy (MeV)

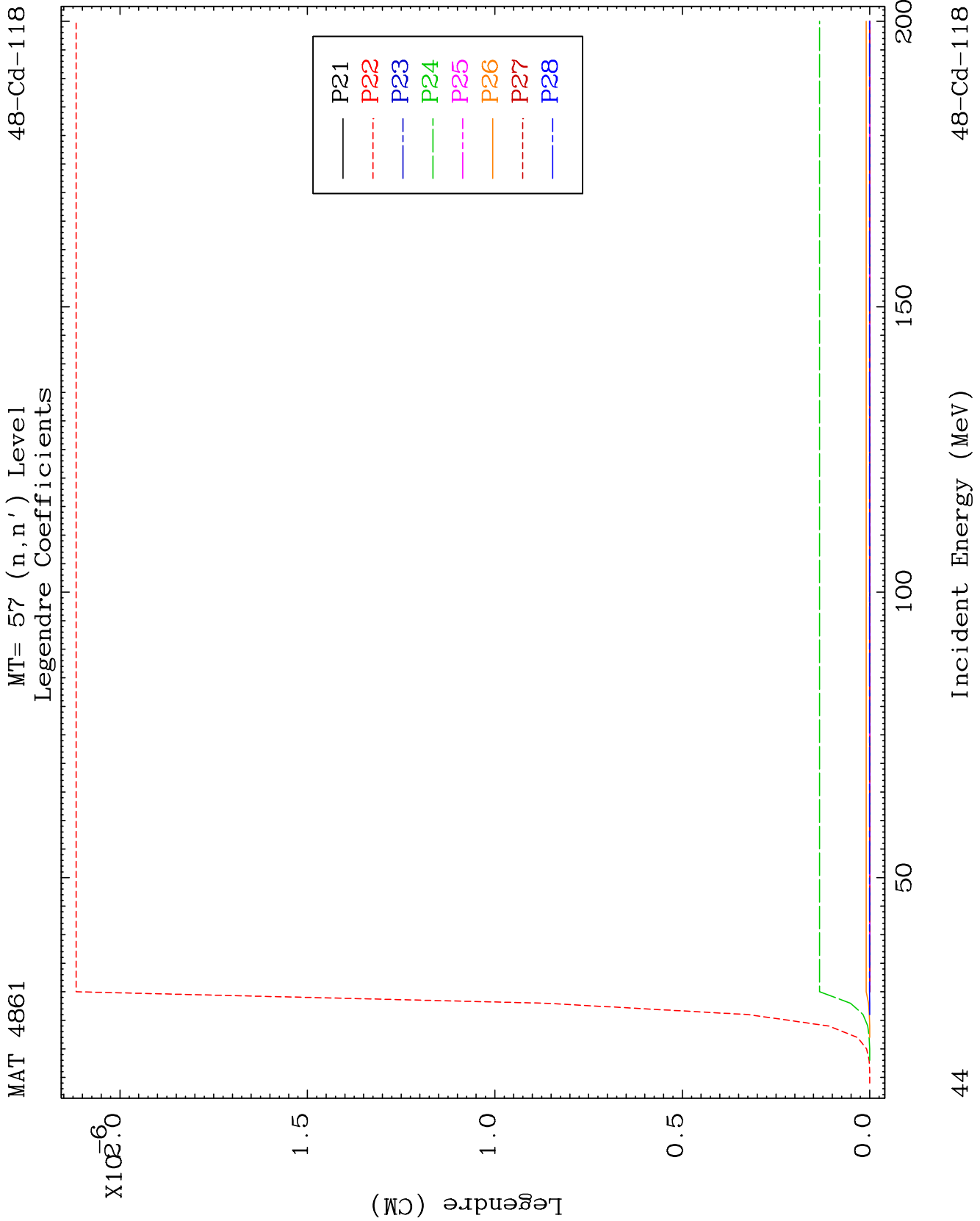
48-Cd-118







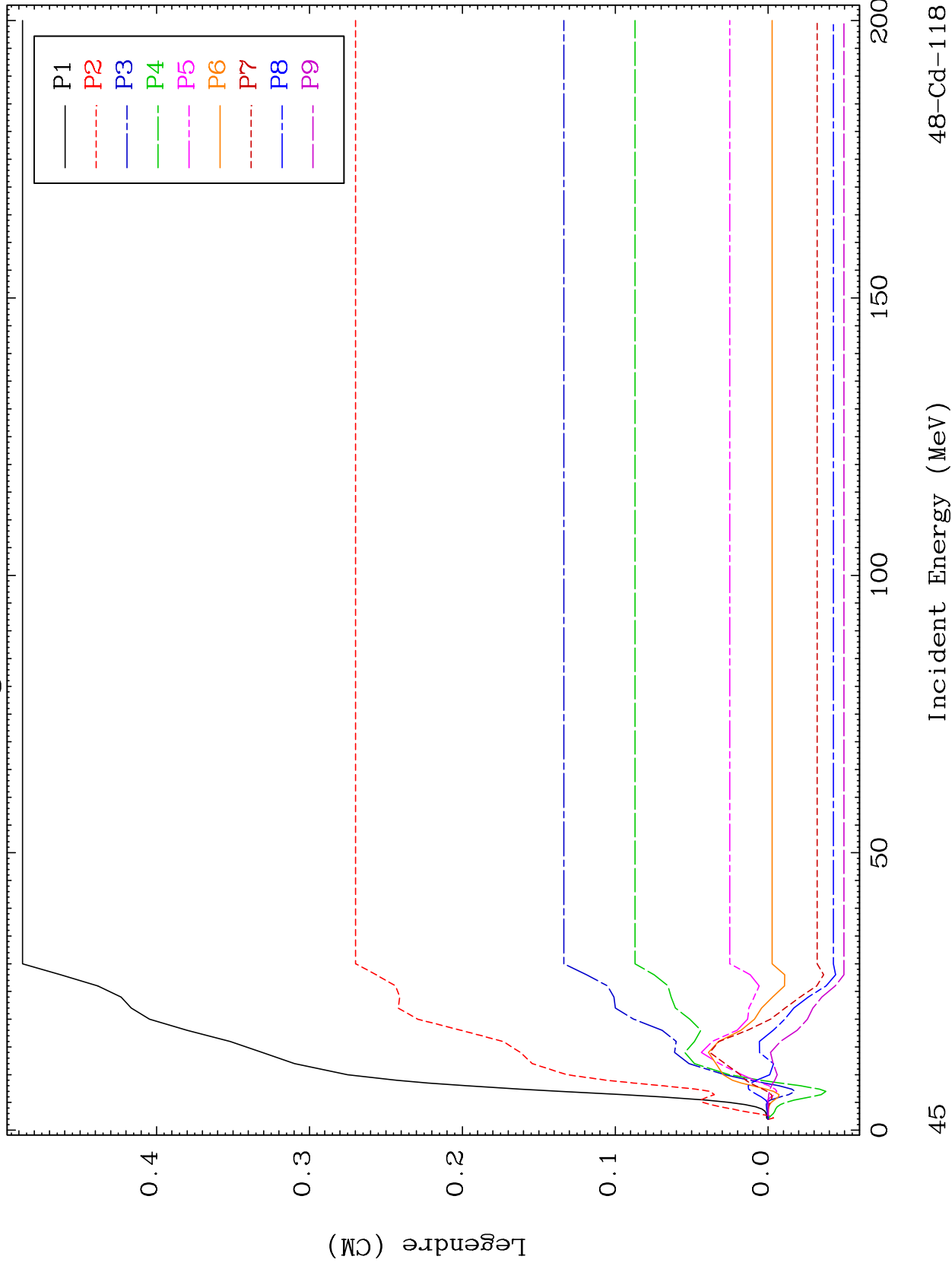




MAT 4861

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

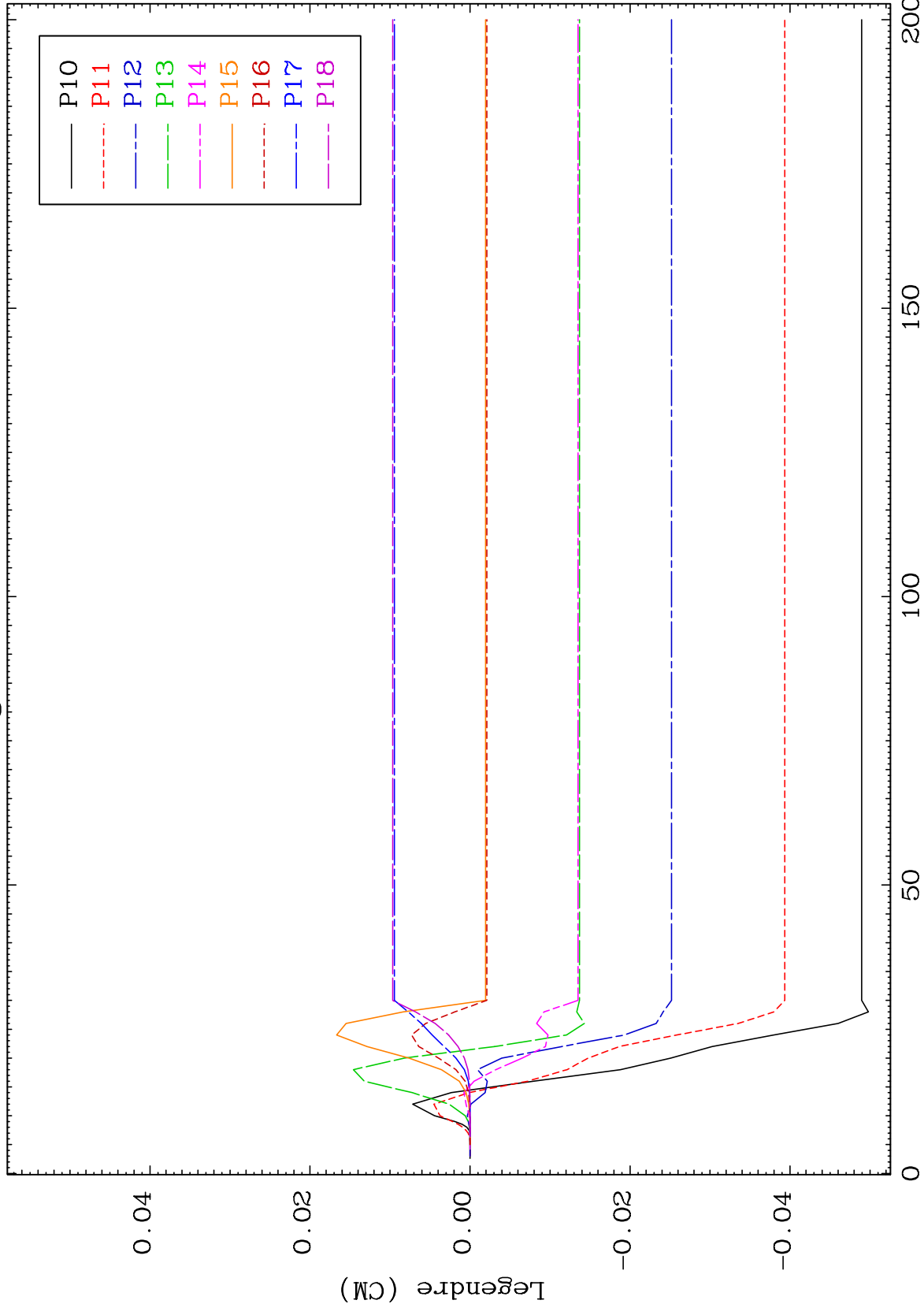
48-Cd-118



MAT 4861

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

48-Cd-118



46

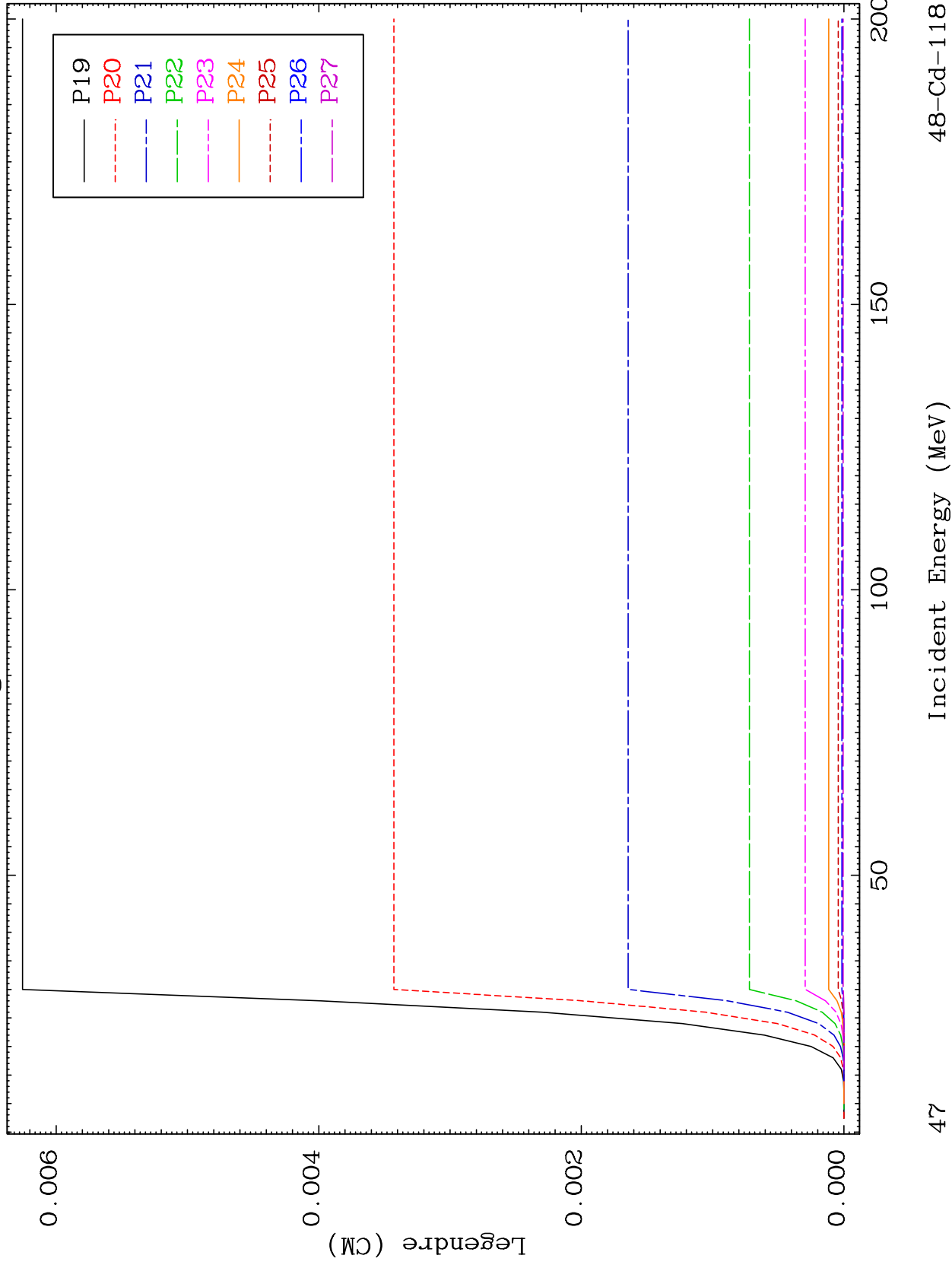
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



47

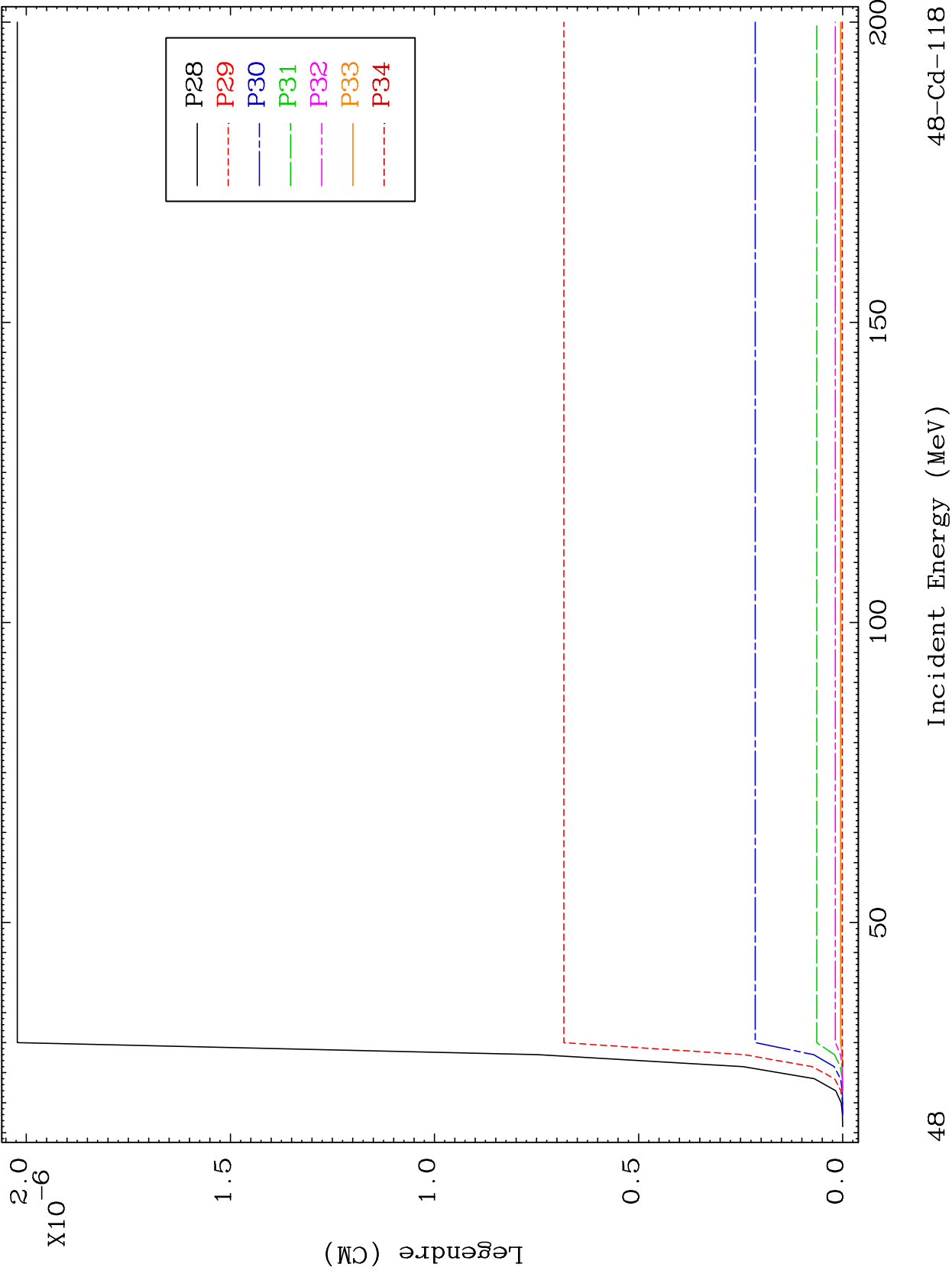
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

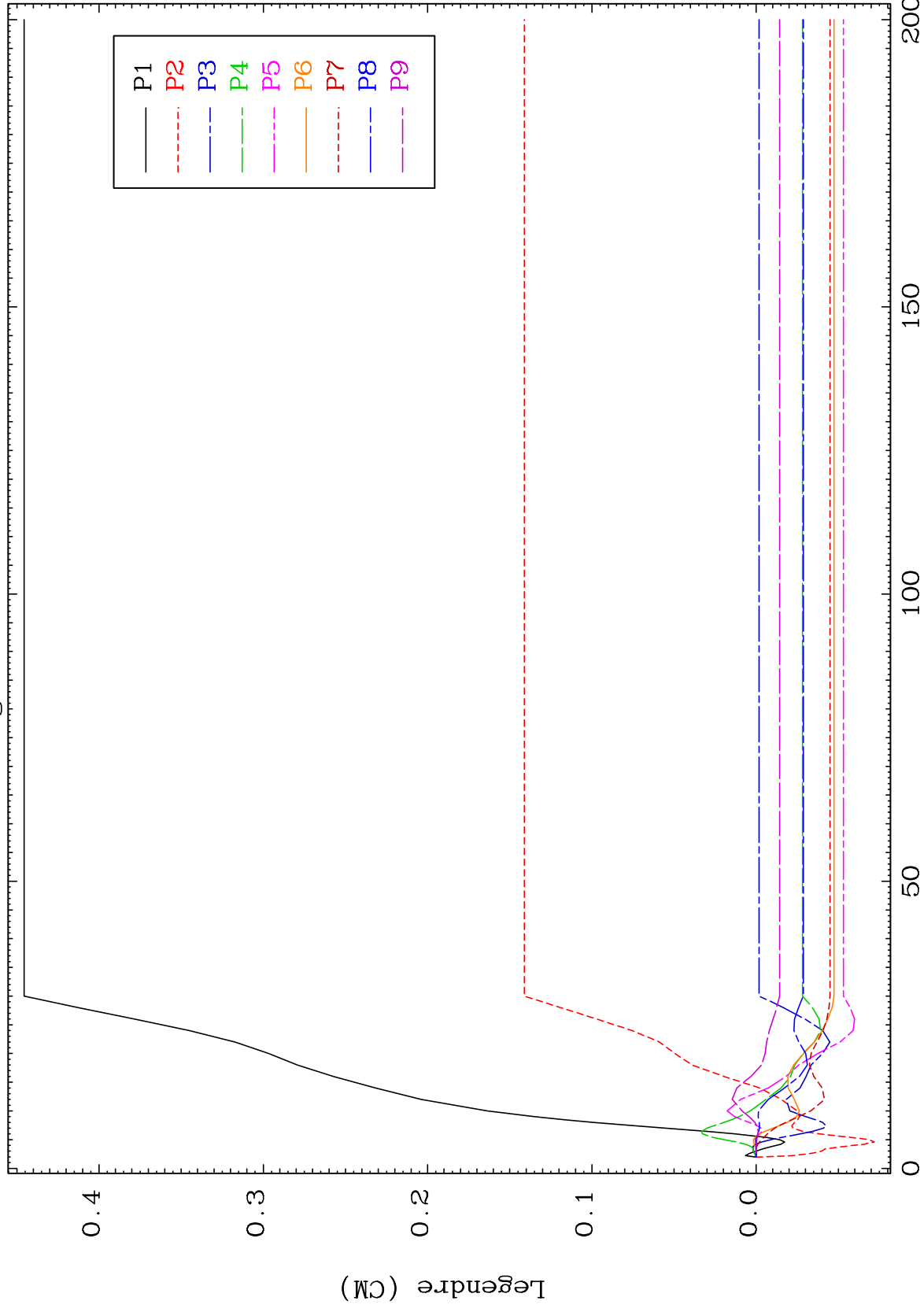
48-Cd-118



MAT 4861

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

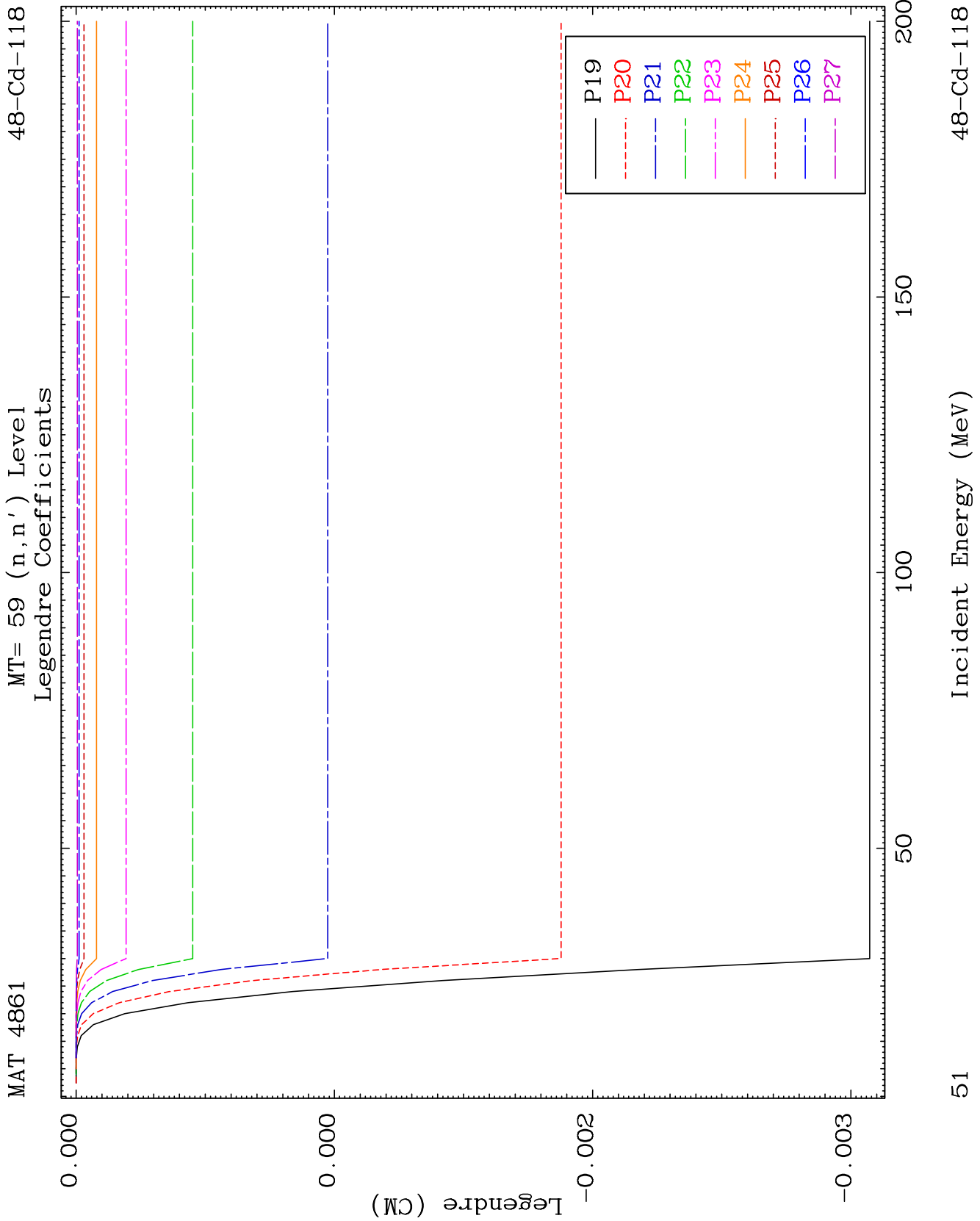
48-Cd-118

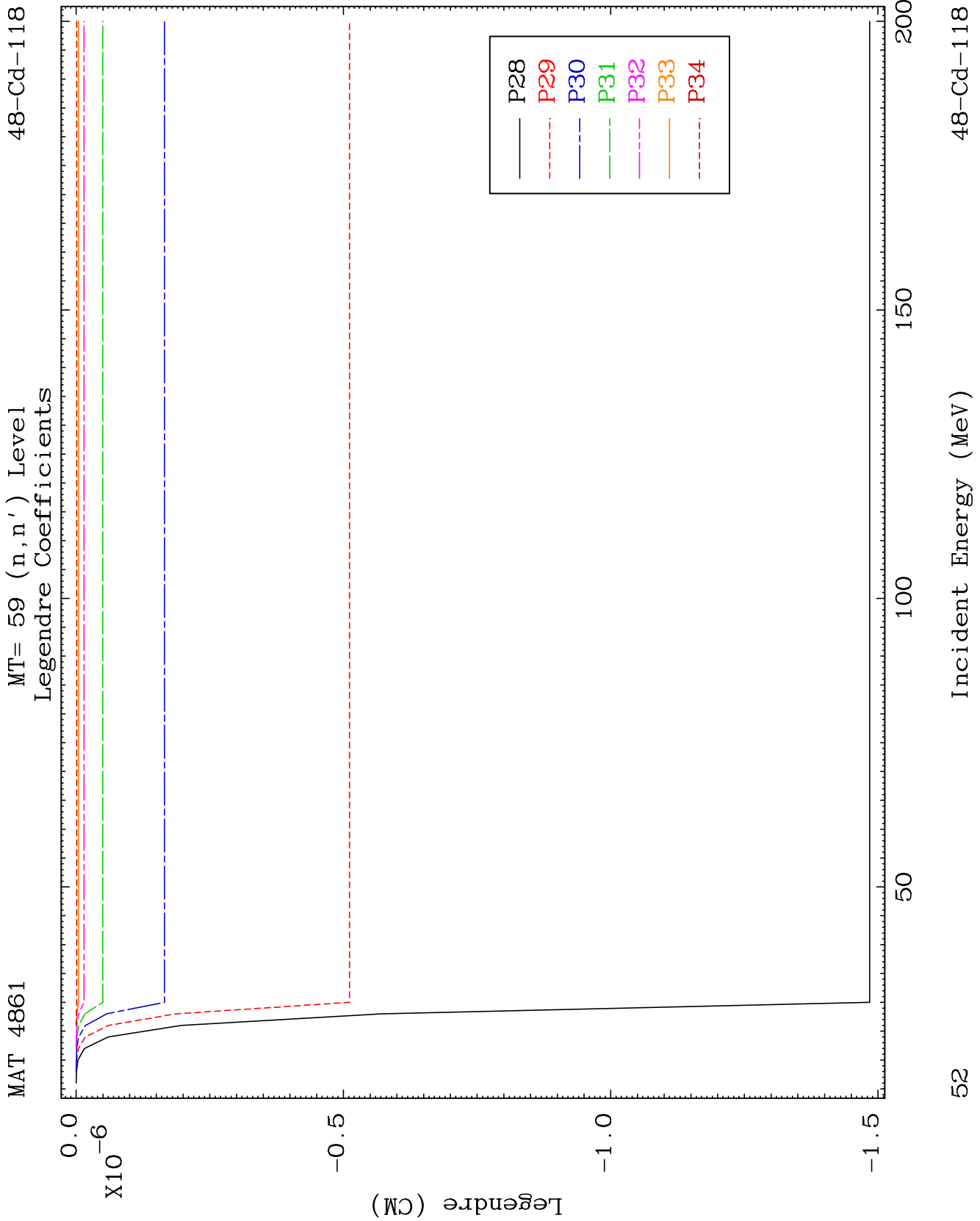


49

Incident Energy (MeV)

48-Cd-118

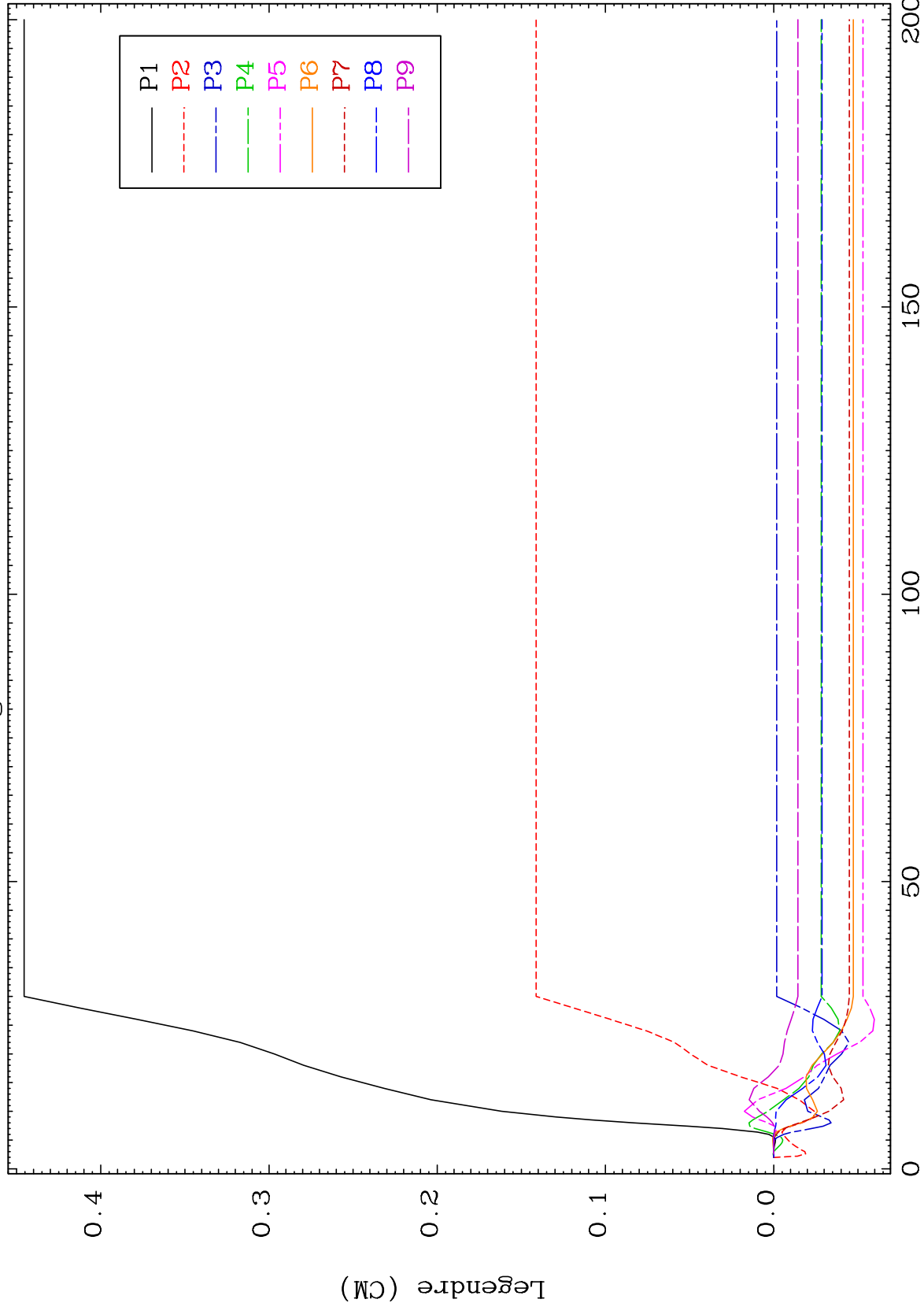




MAT 4861

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

48-Cd-118



53

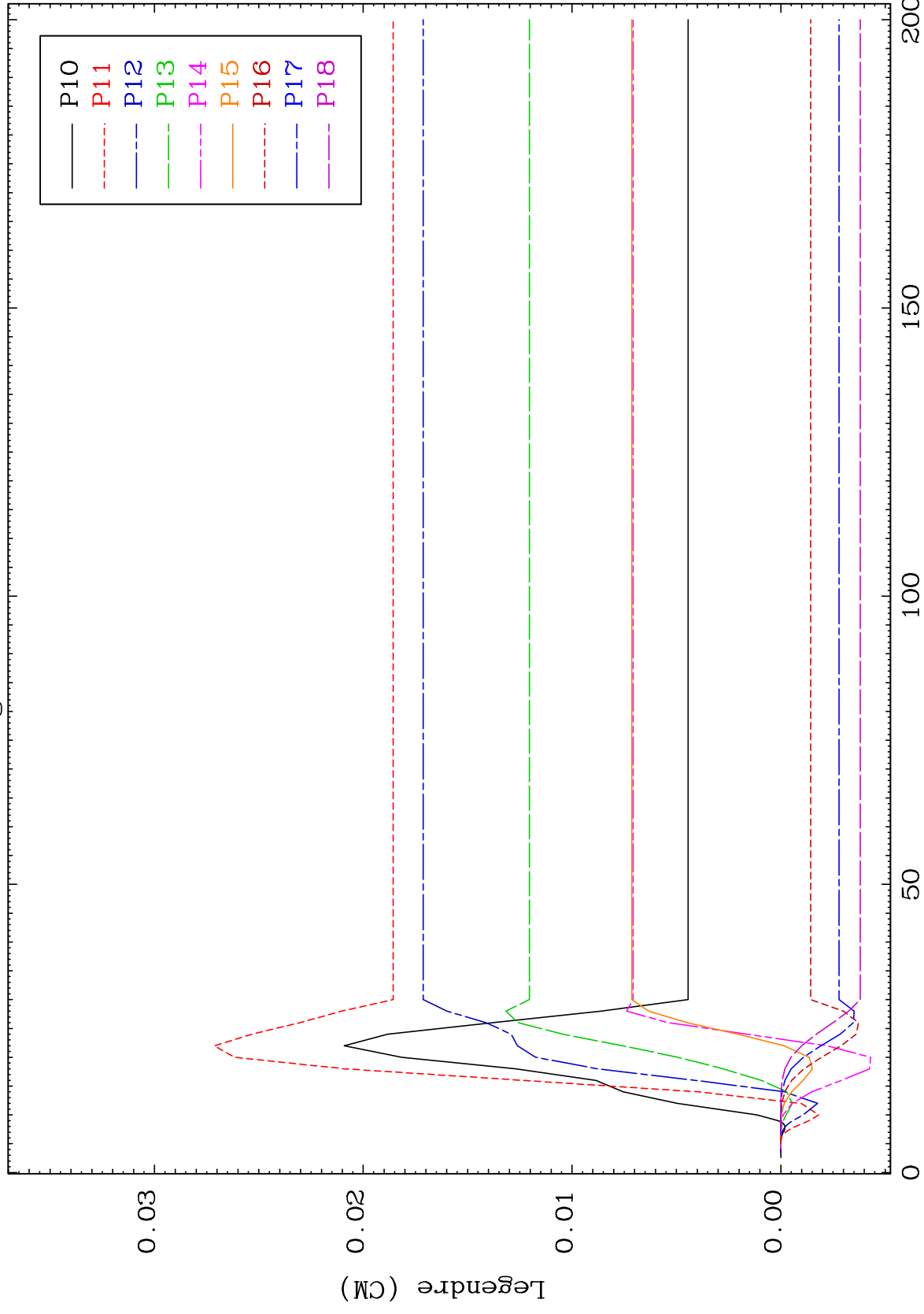
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

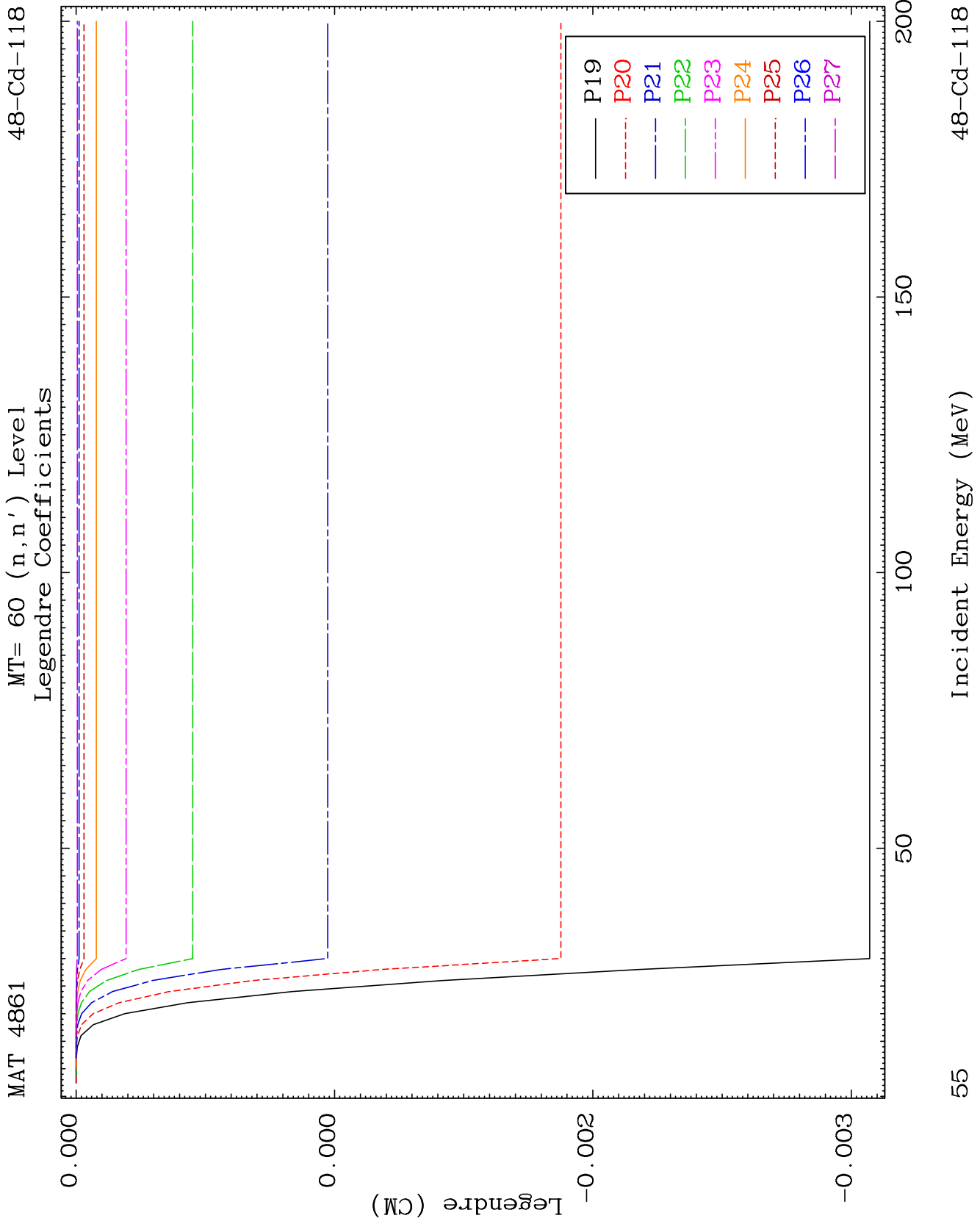
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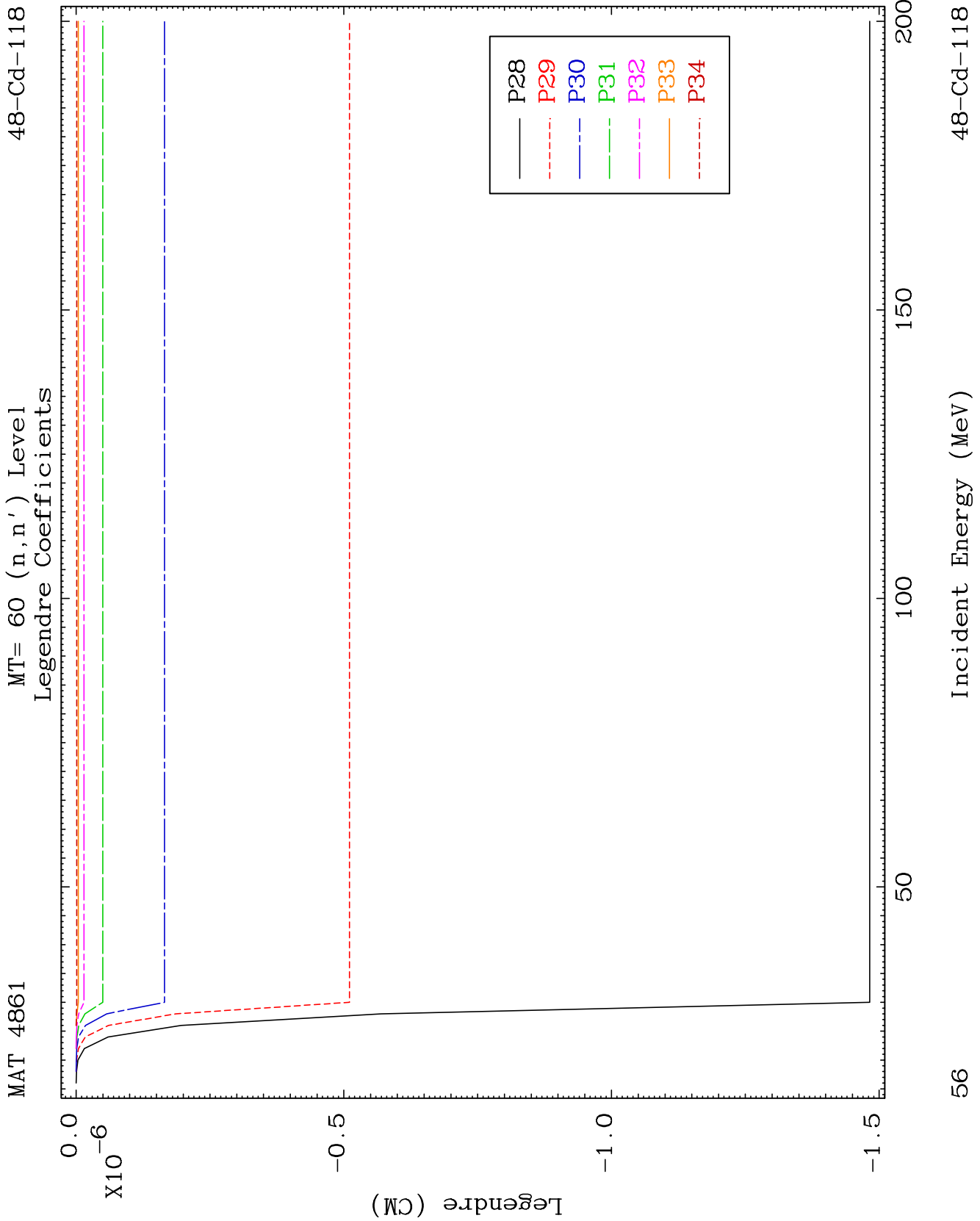


54

Incident Energy (MeV)

48-Cd-118

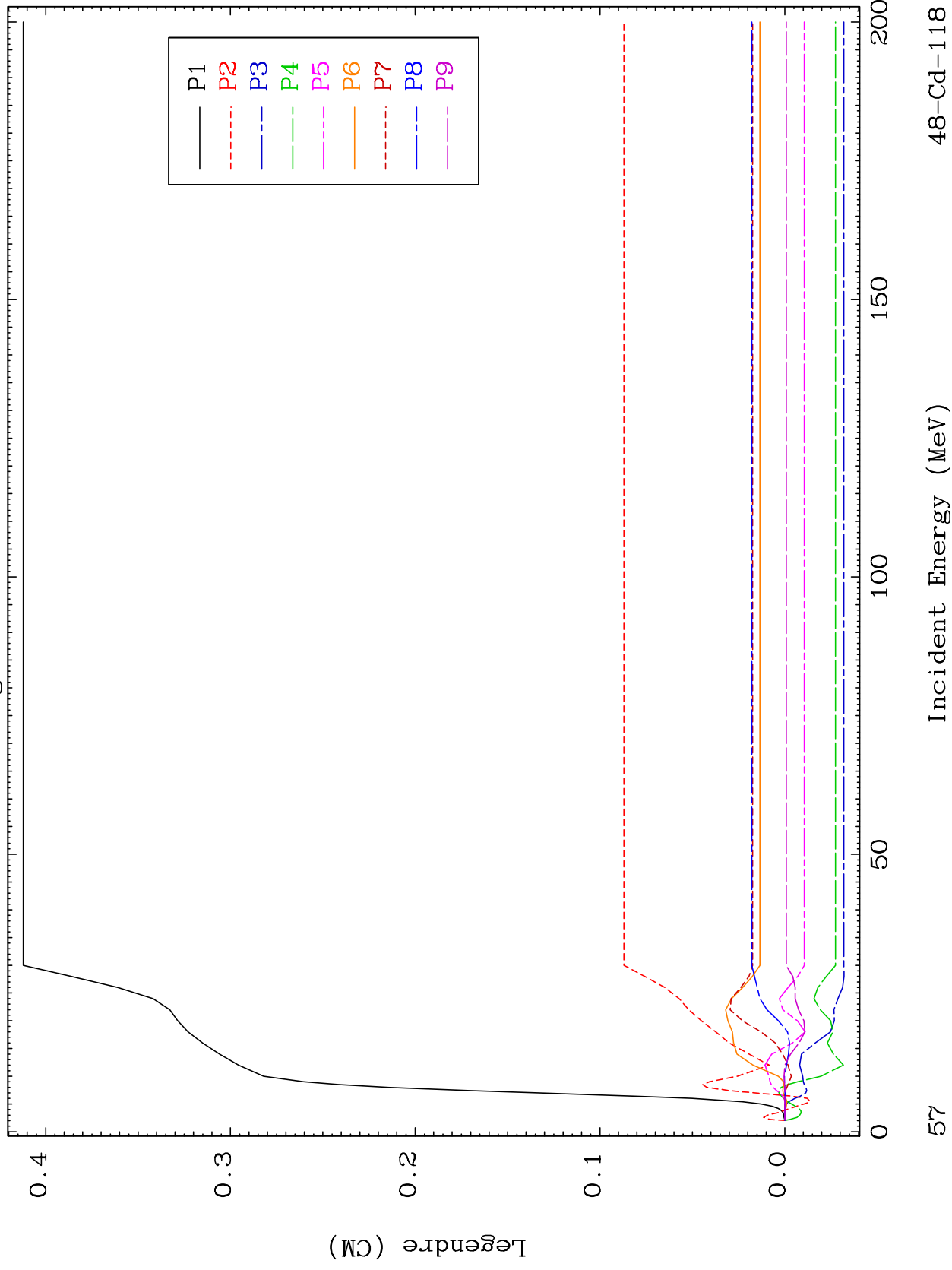




MAT 4861

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

48-Cd-118



48-Cd-118

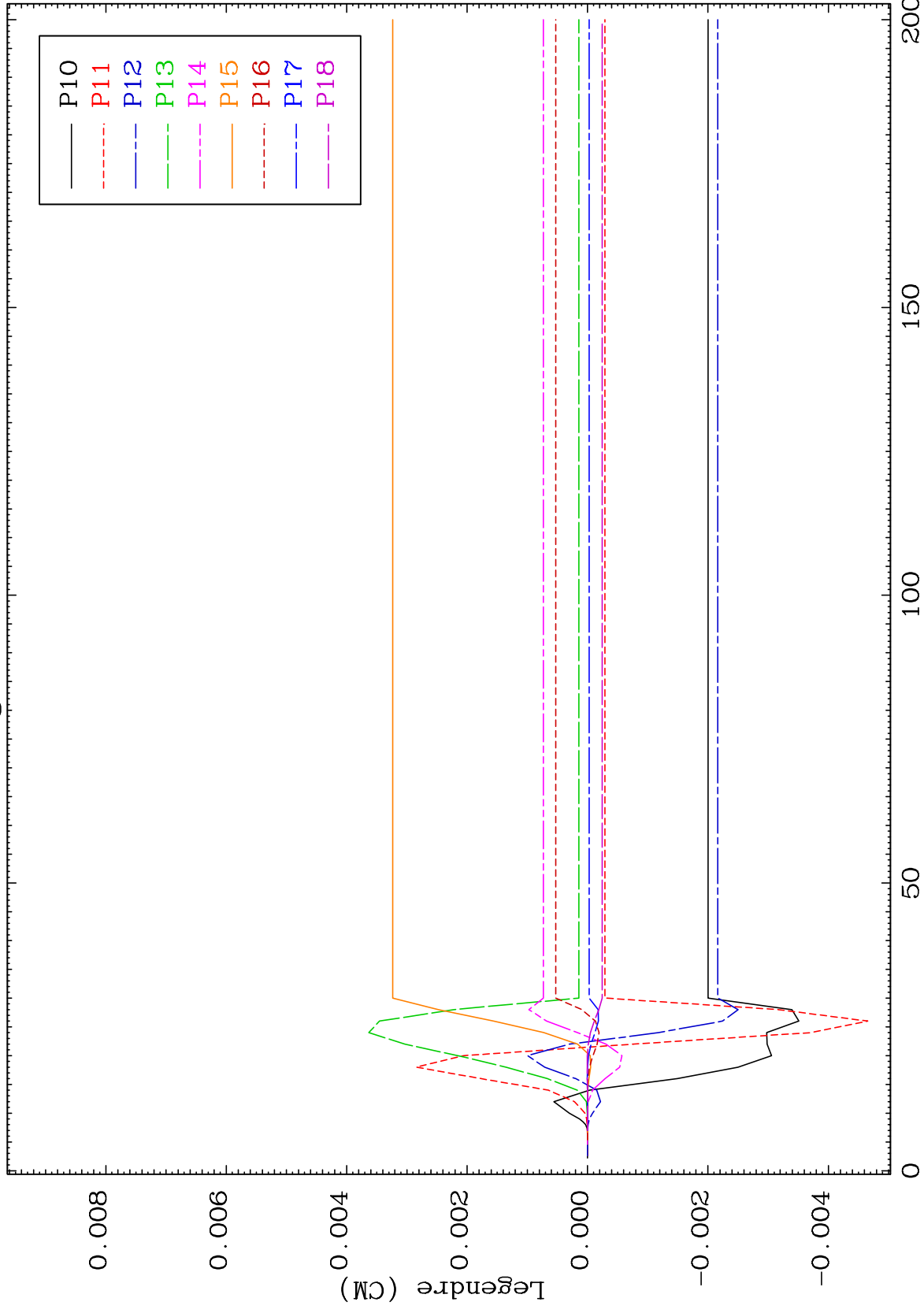
Incident Energy (MeV)

57

MAT 4861

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

48-Cd-118



58

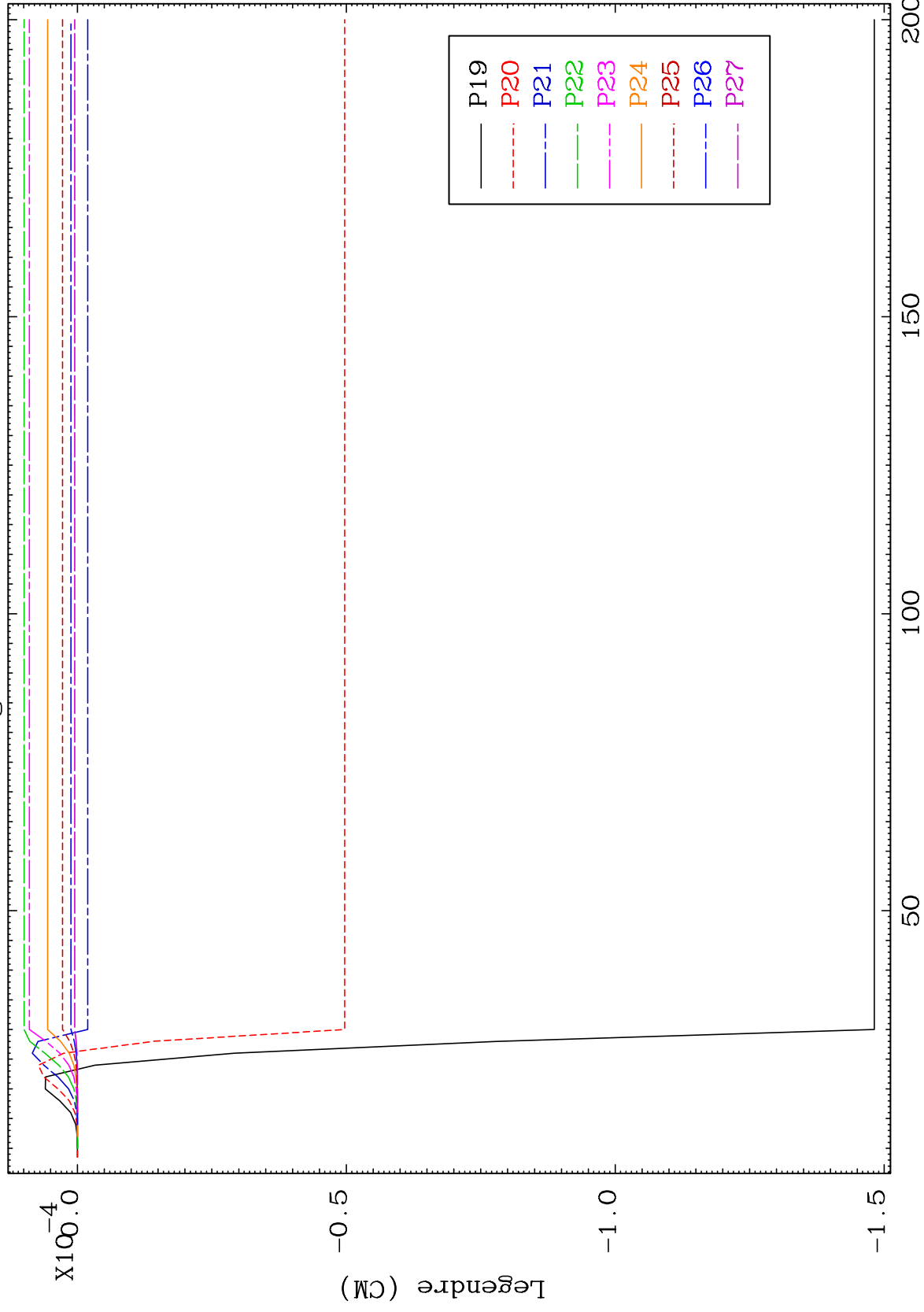
Incident Energy (MeV)

48-Cd-118

MAT 4861

48-Cd-118

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



59

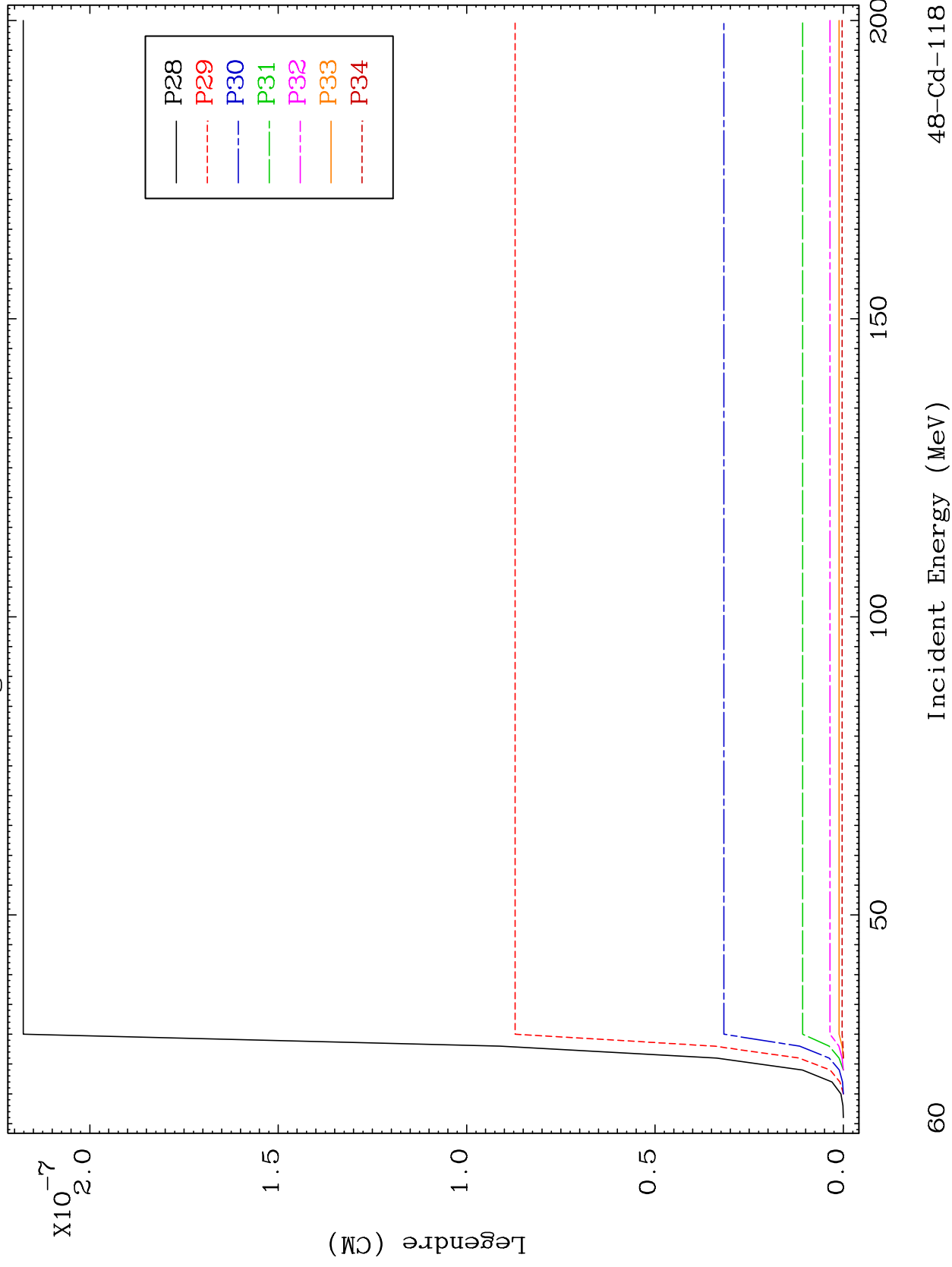
Incident Energy (MeV)

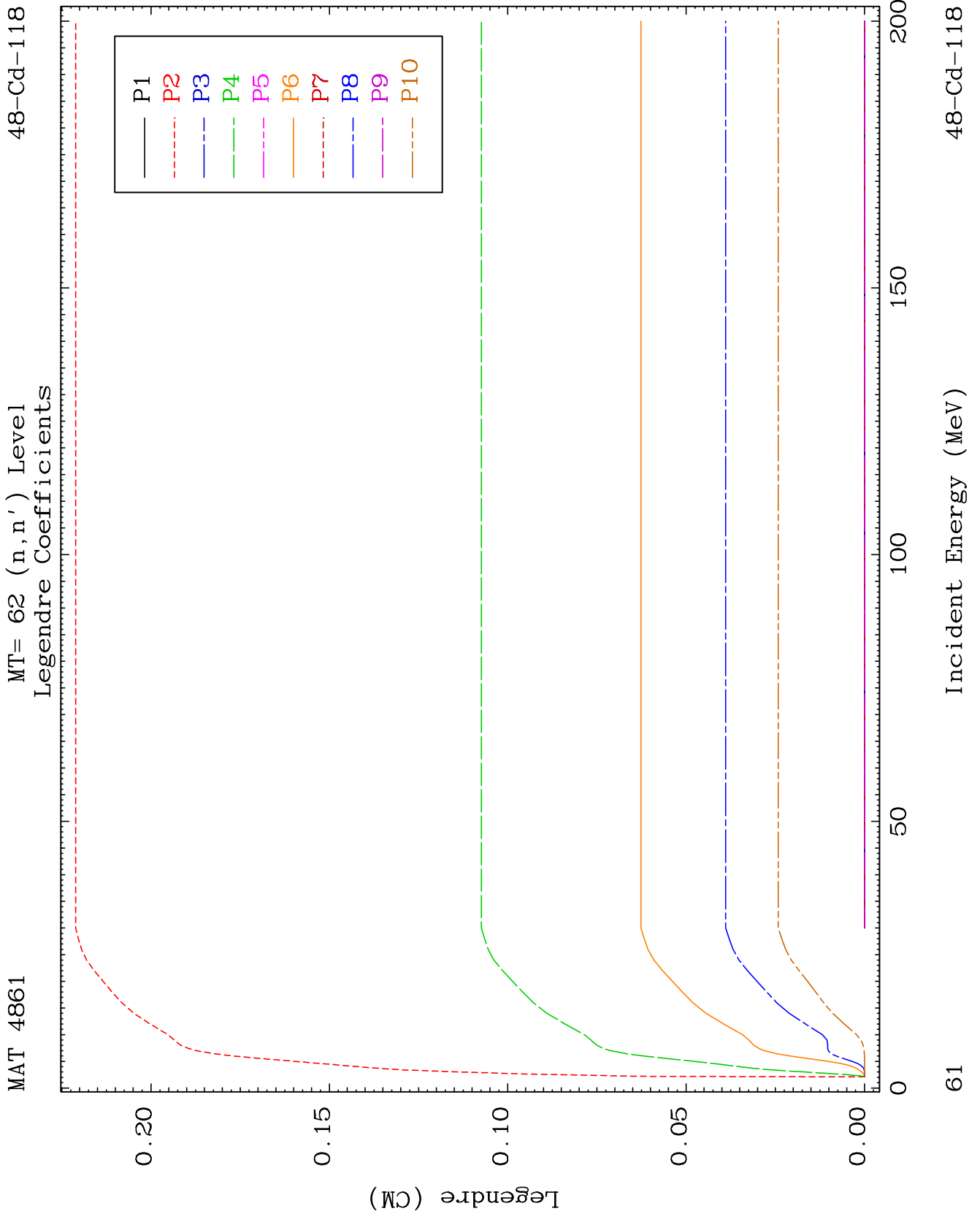
48-Cd-118

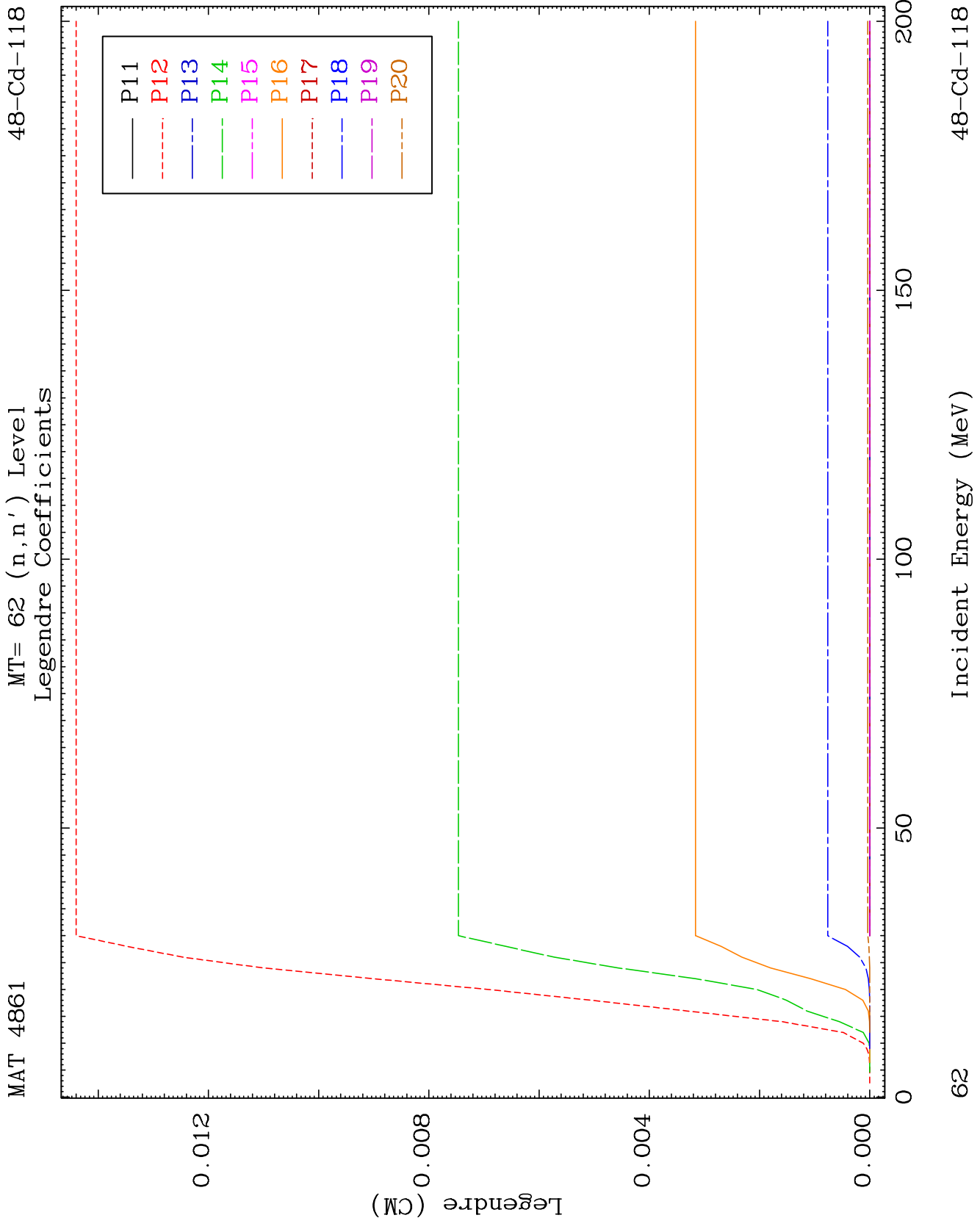
MAT 4861

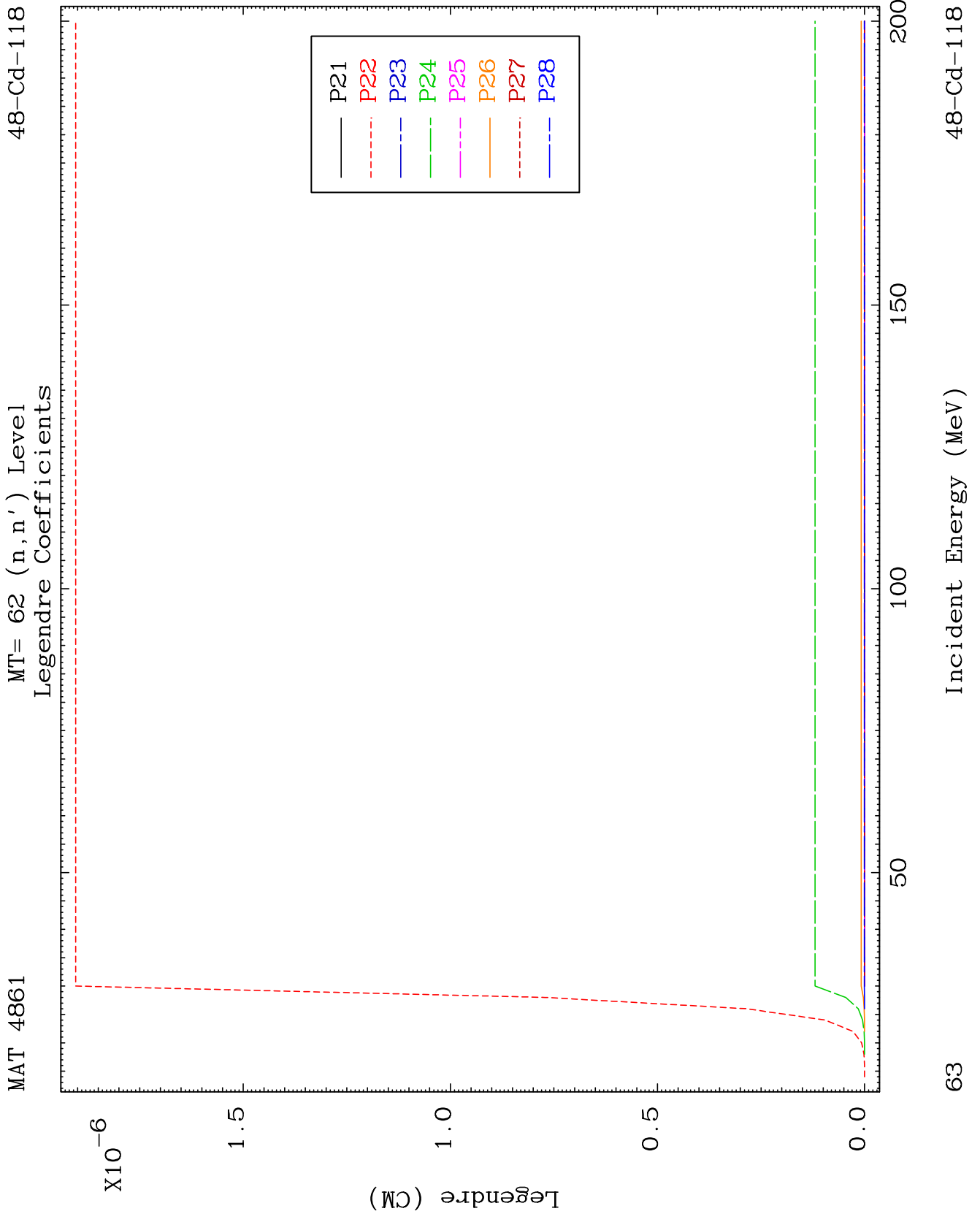
MT= 61 (n,n') Level
Legendre Coefficients

48-Cd-118





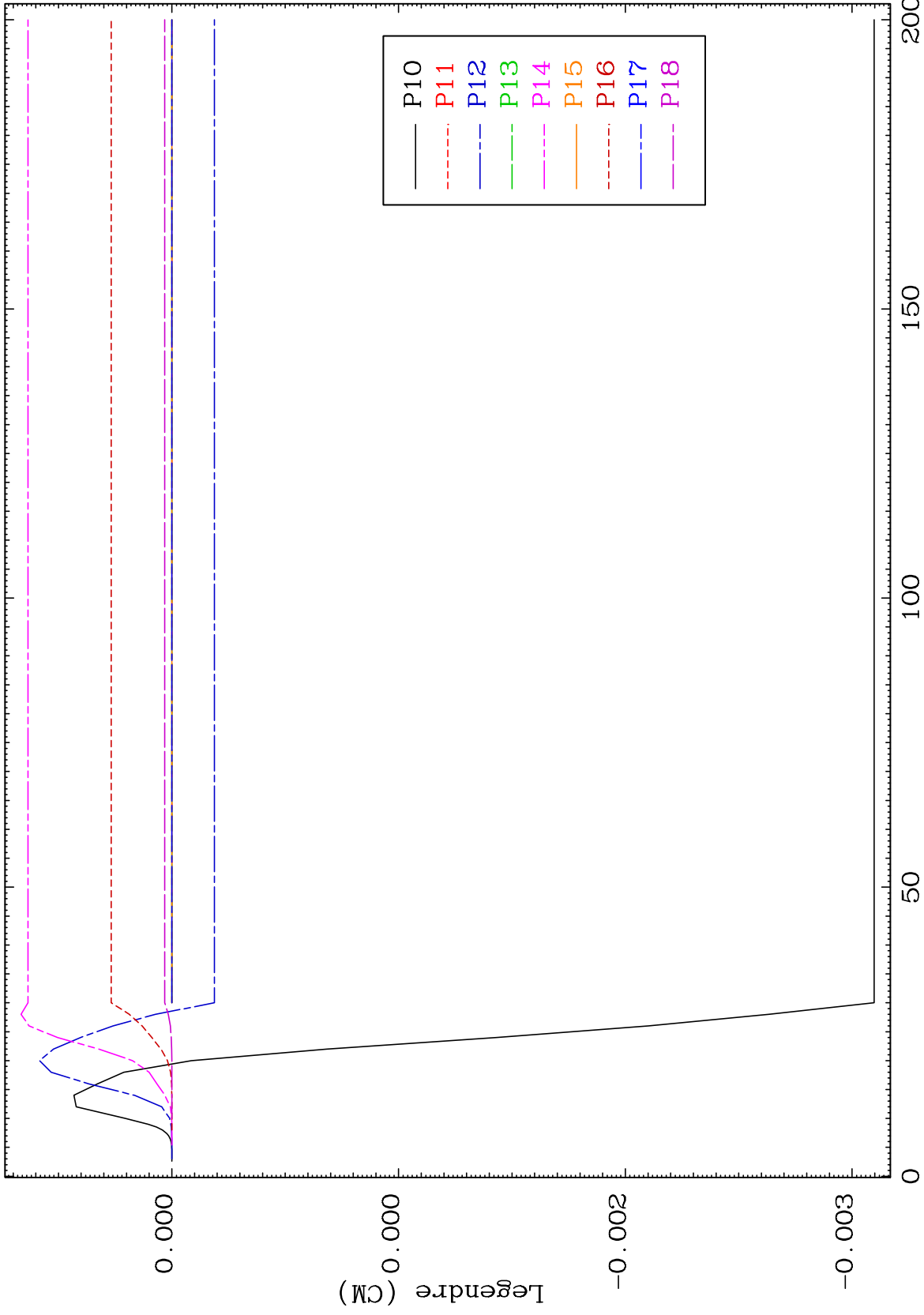




MAT 4861

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

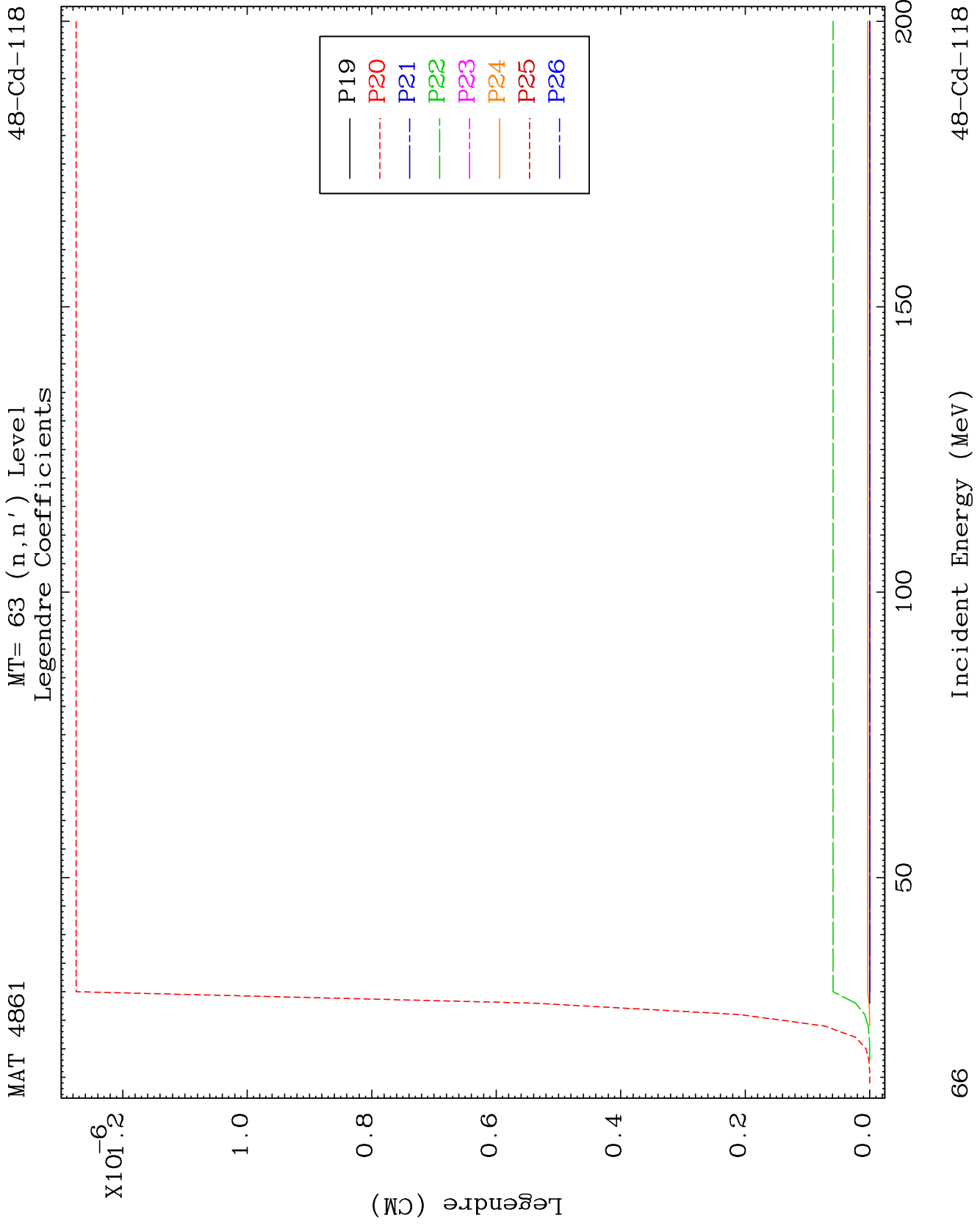
48-Cd-118



65

Incident Energy (MeV)

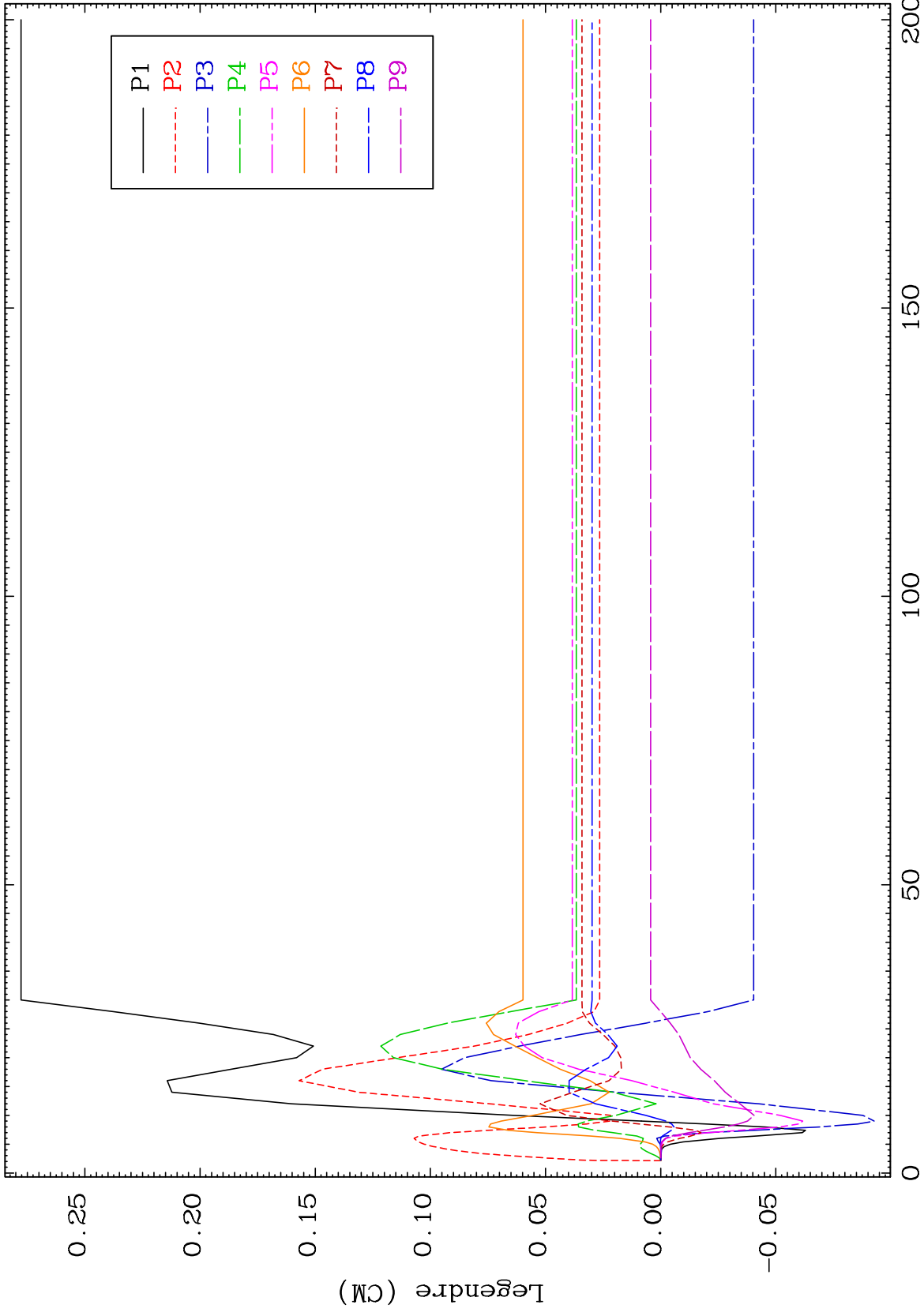
48-Cd-118



MAT 4861

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

48-Cd-118



67

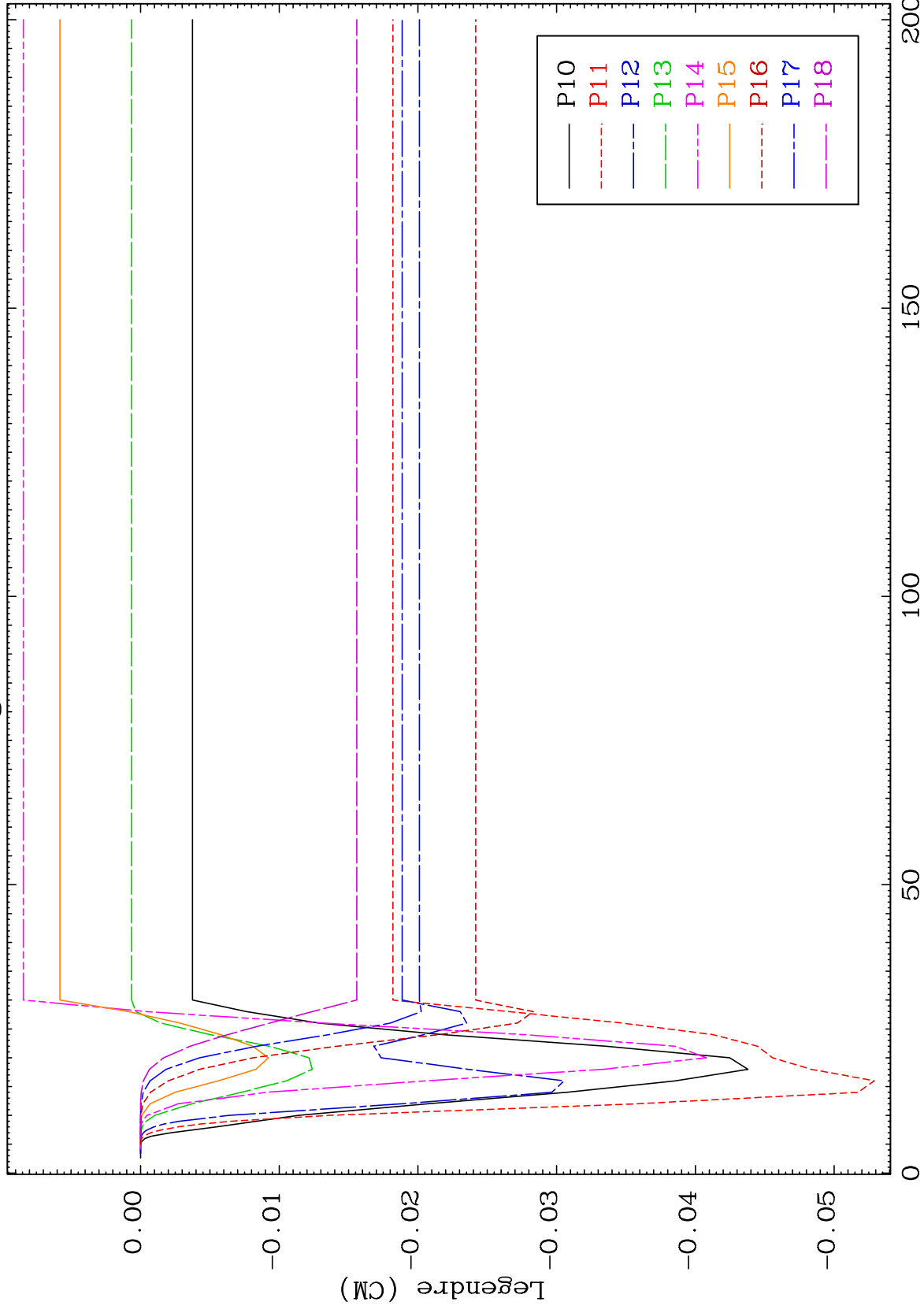
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

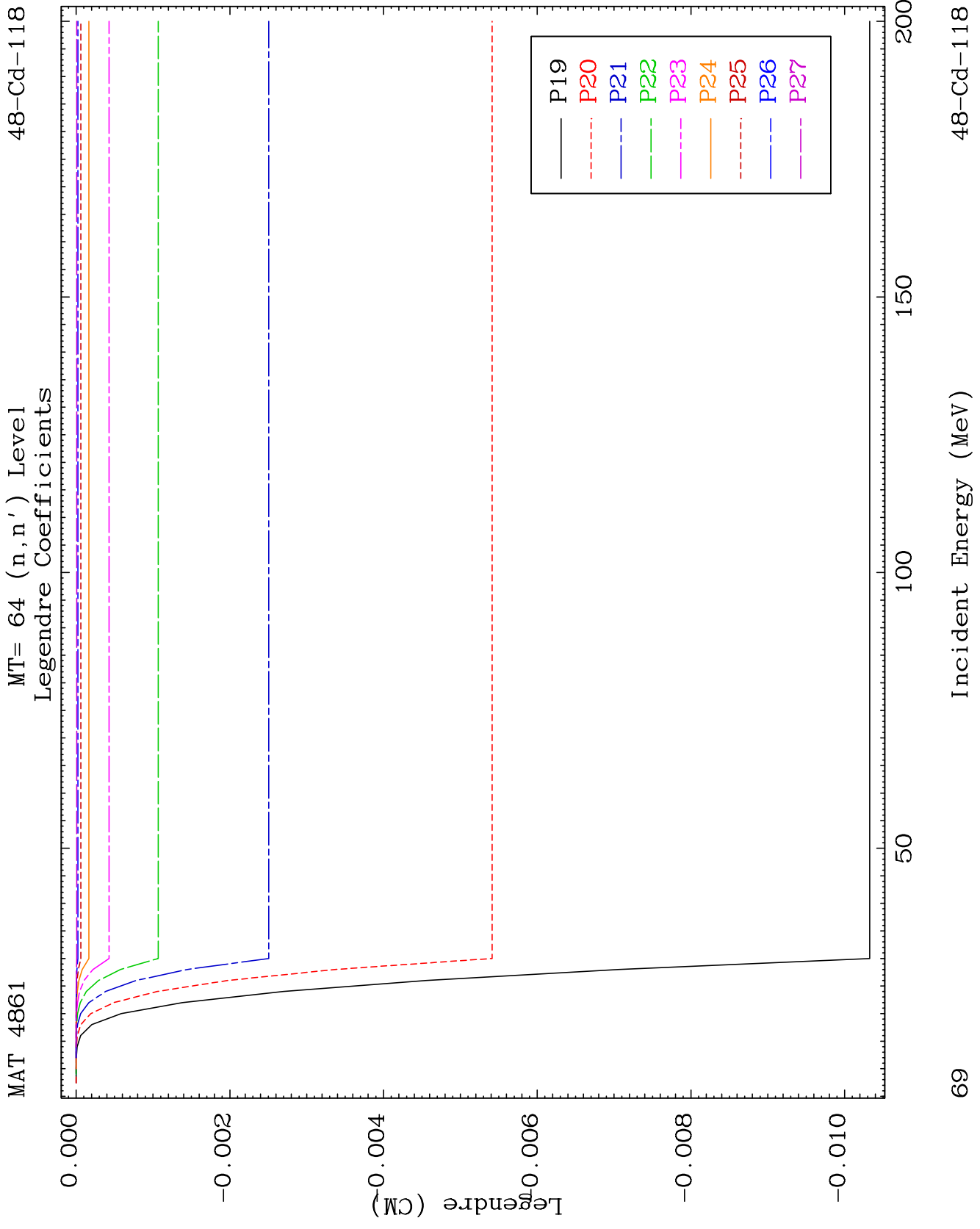
48-Cd-118

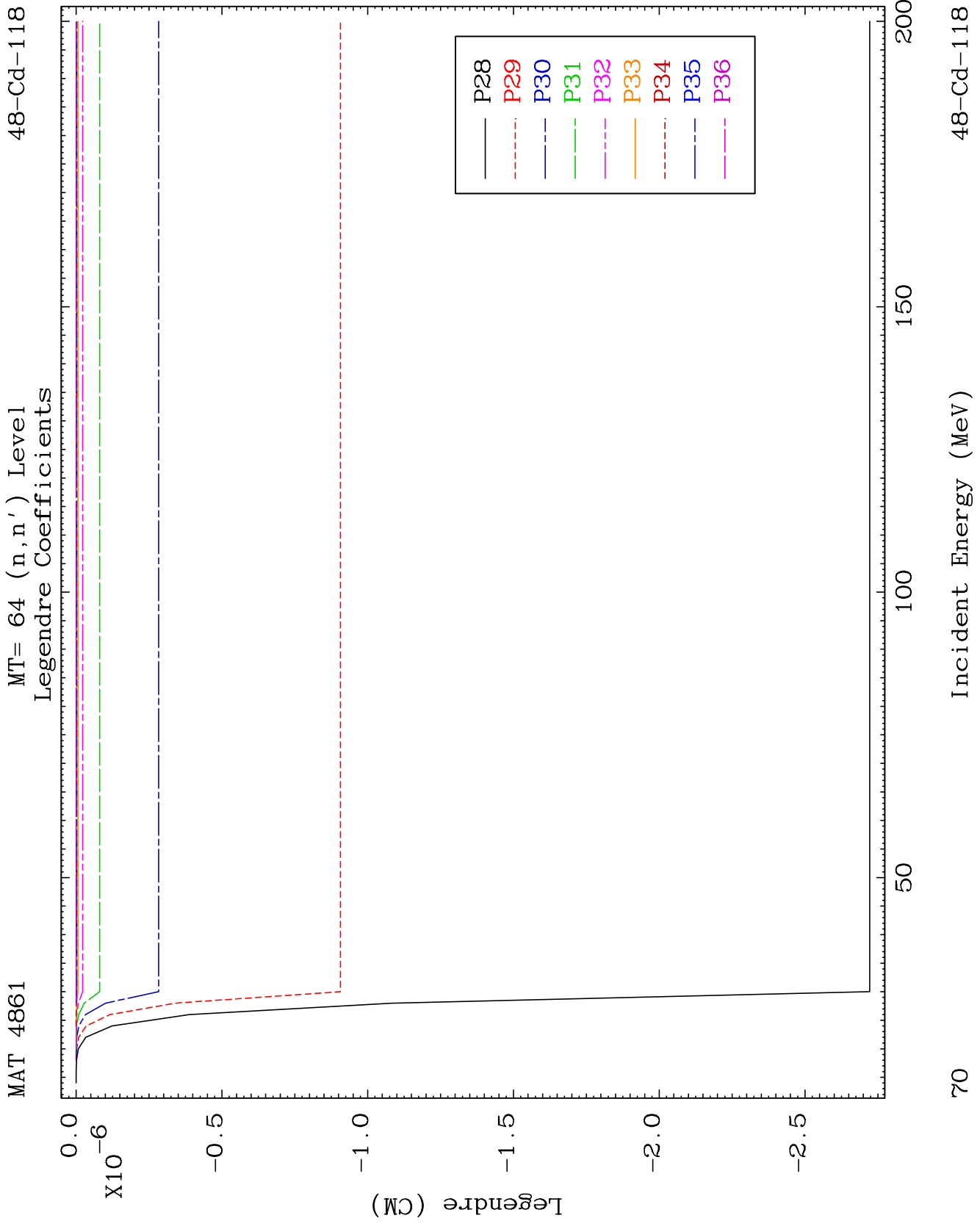


68

Incident Energy (MeV)

48-Cd-118

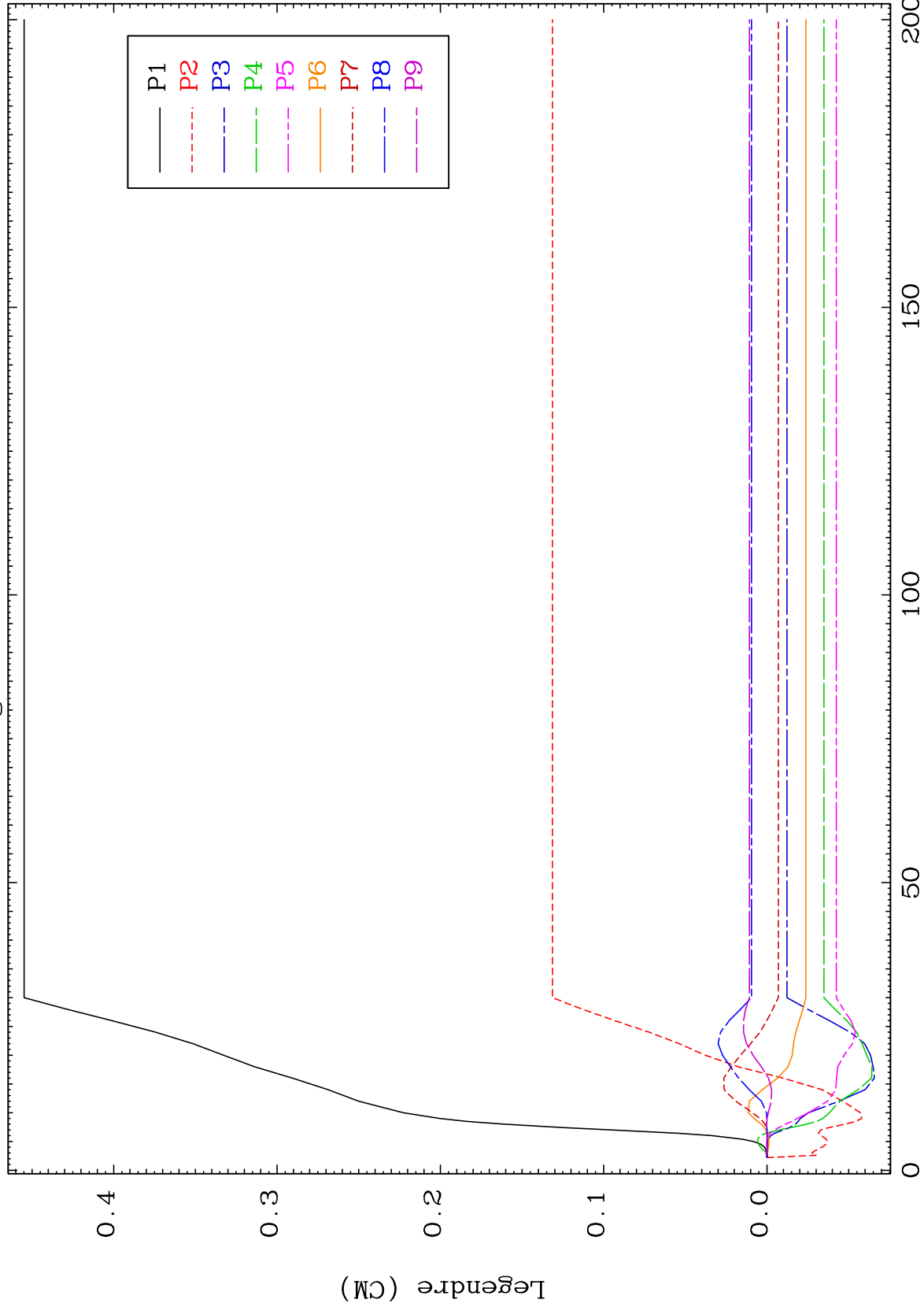




MAT 4861

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

48-Cd-118



71

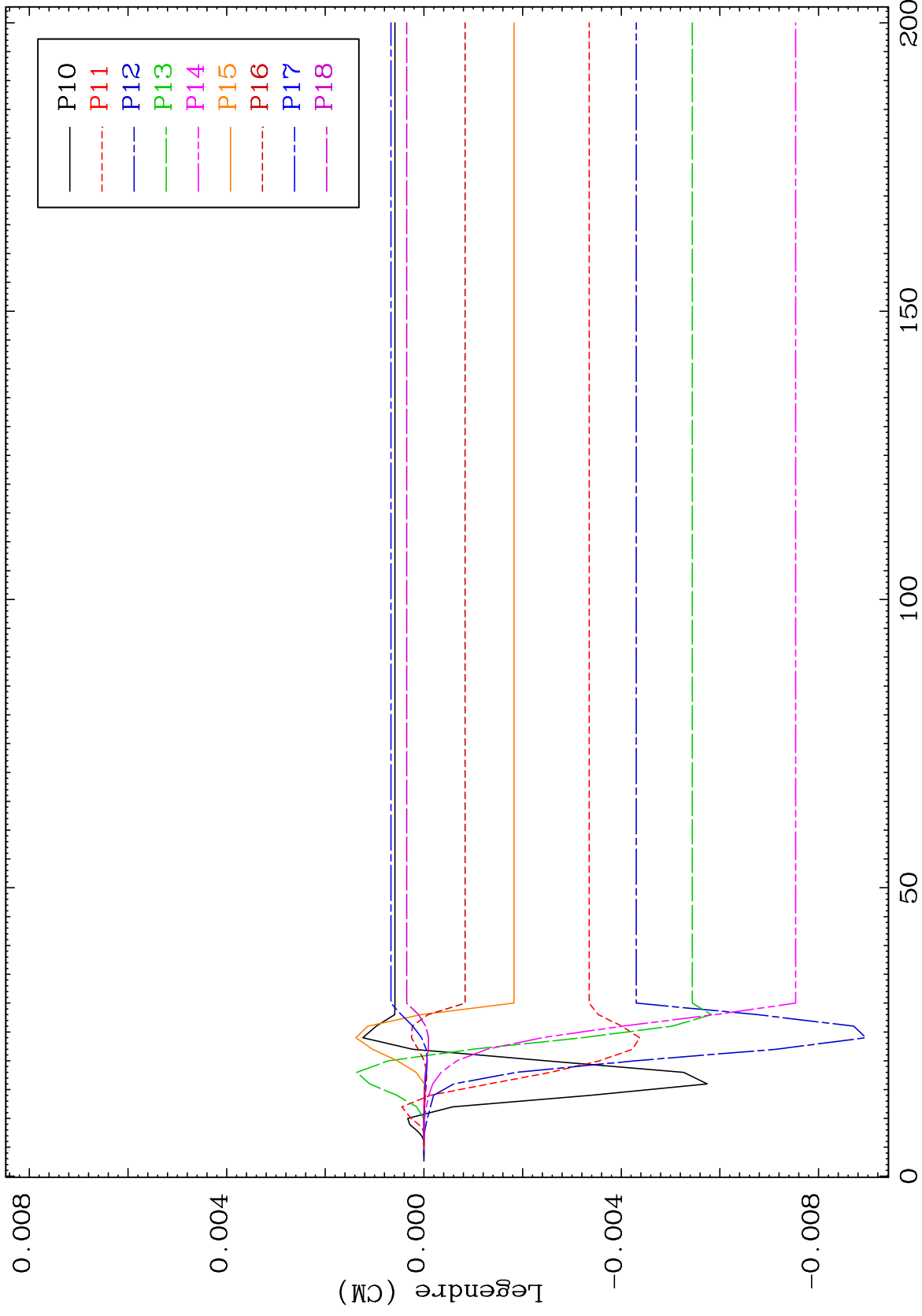
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



72

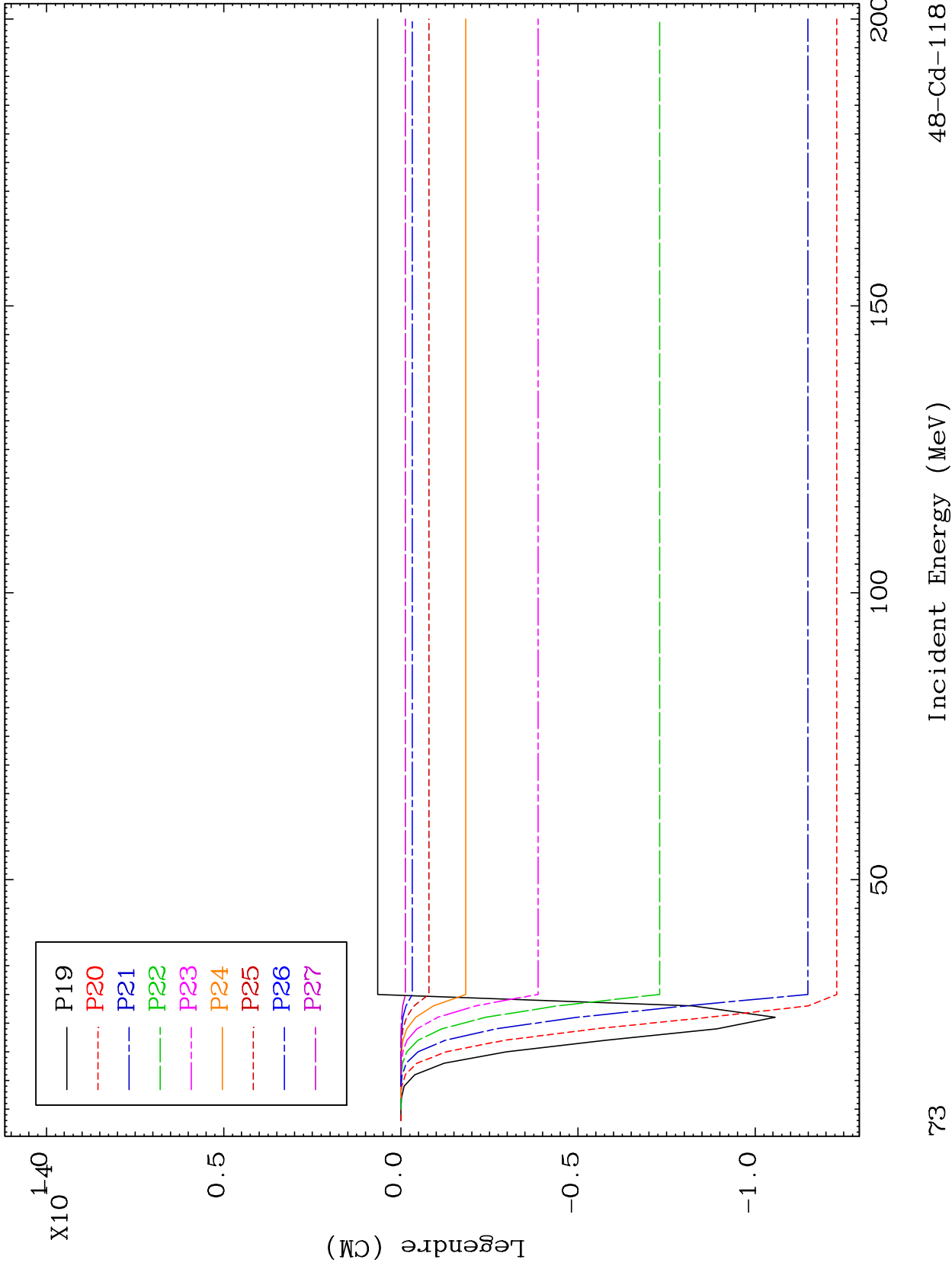
Incident Energy (MeV)

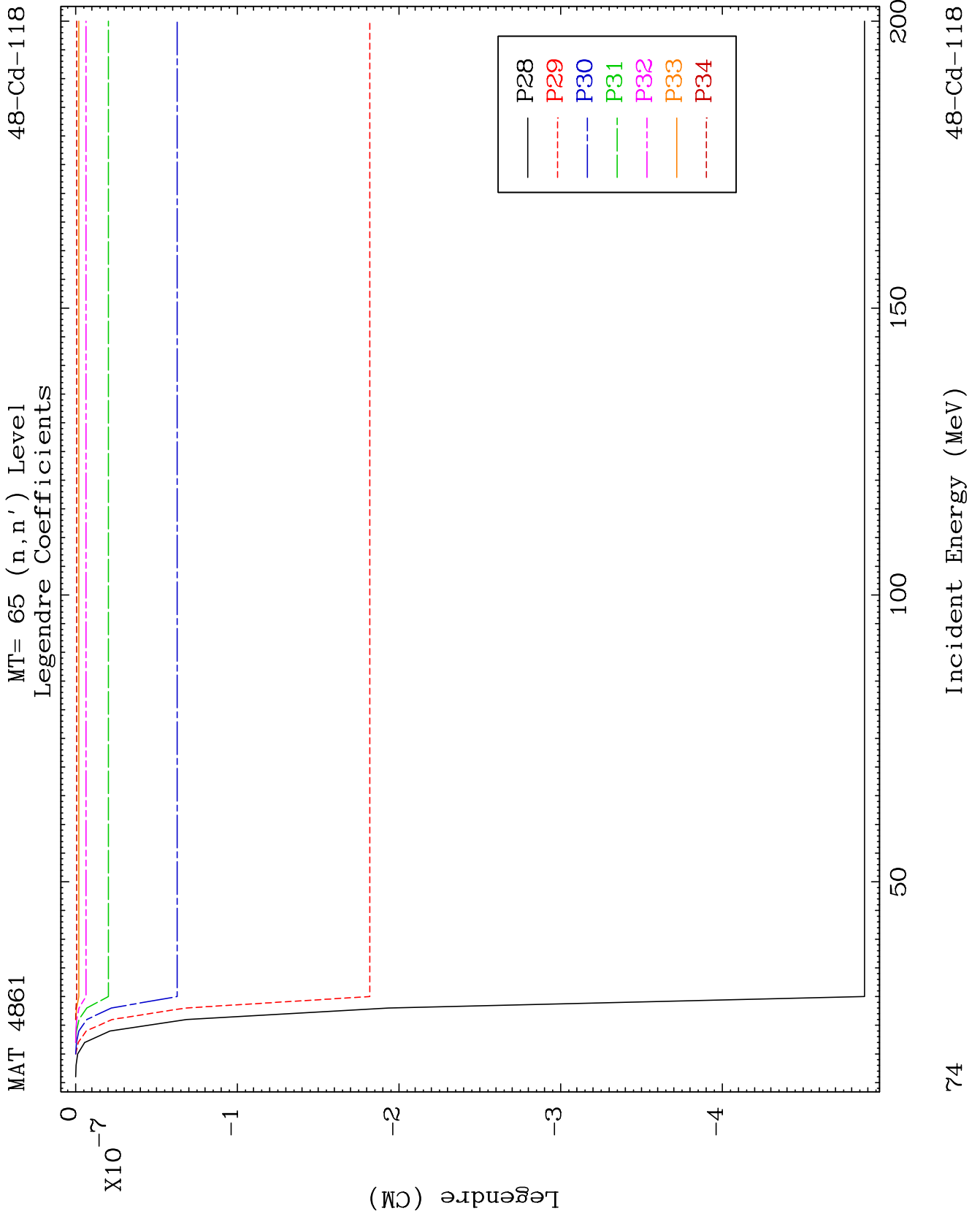
48-Cd-118

MAT 4861

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

48-Cd-118

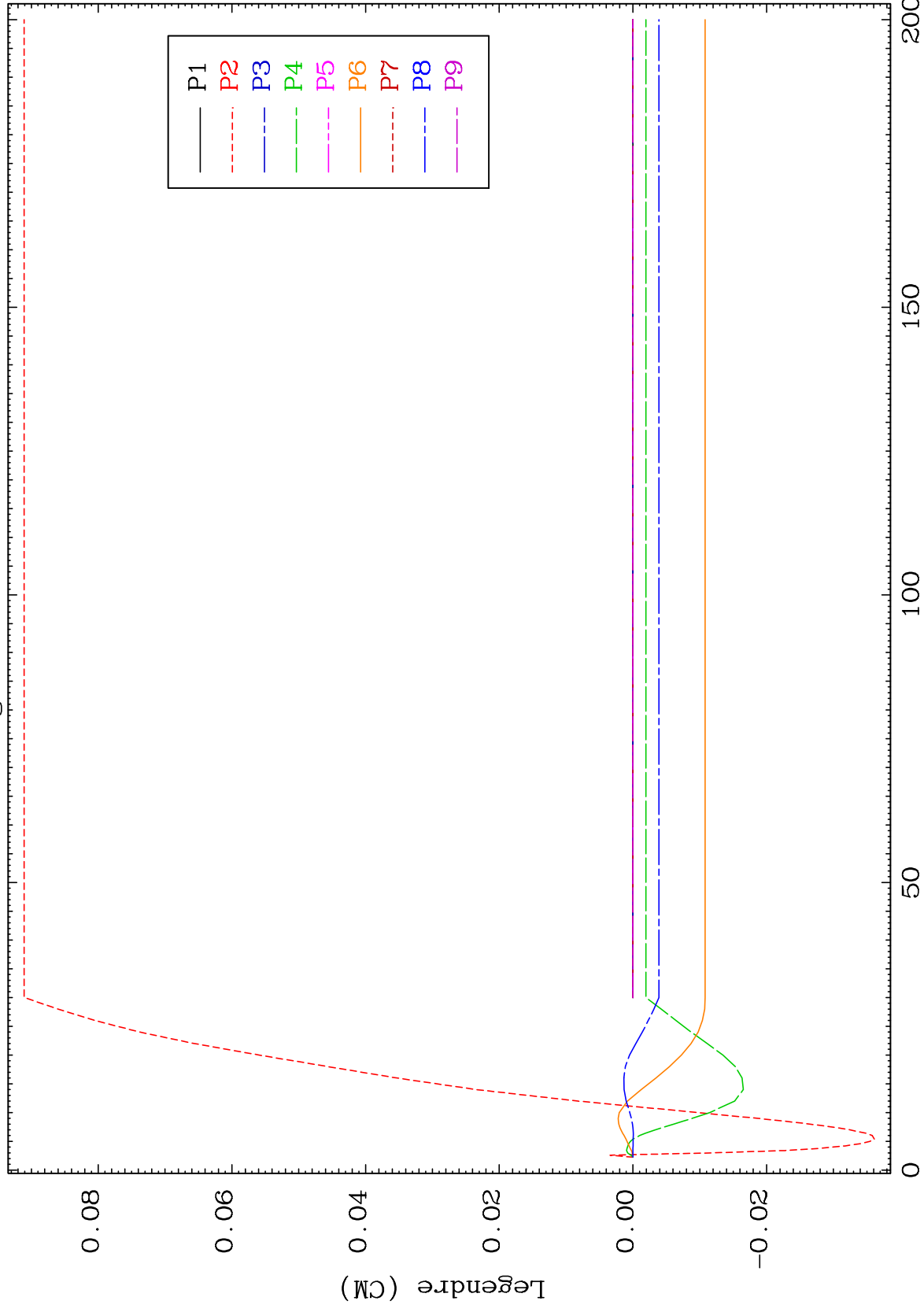




MAT 4861

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

48-Cd-118



75

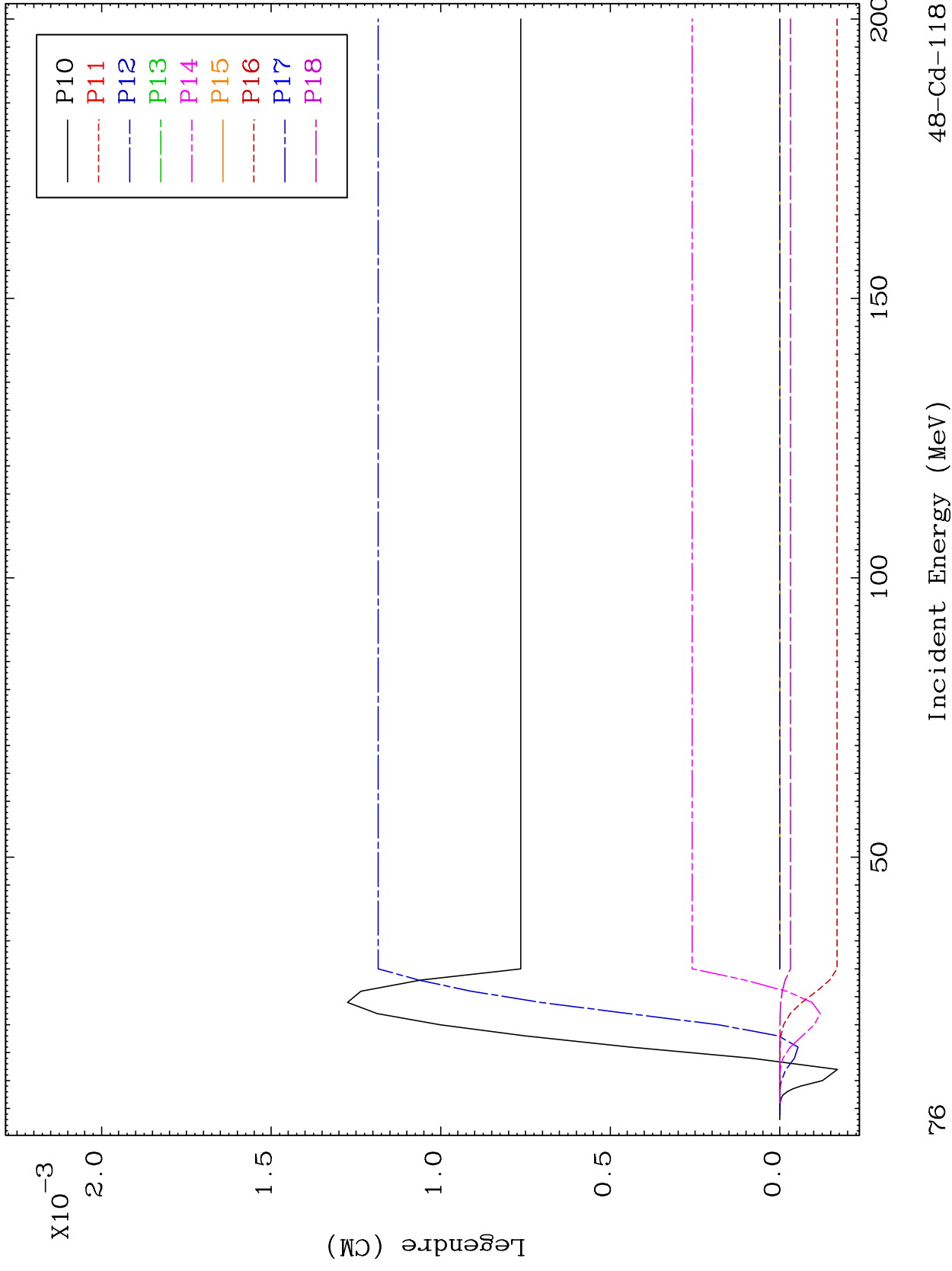
Incident Energy (MeV)

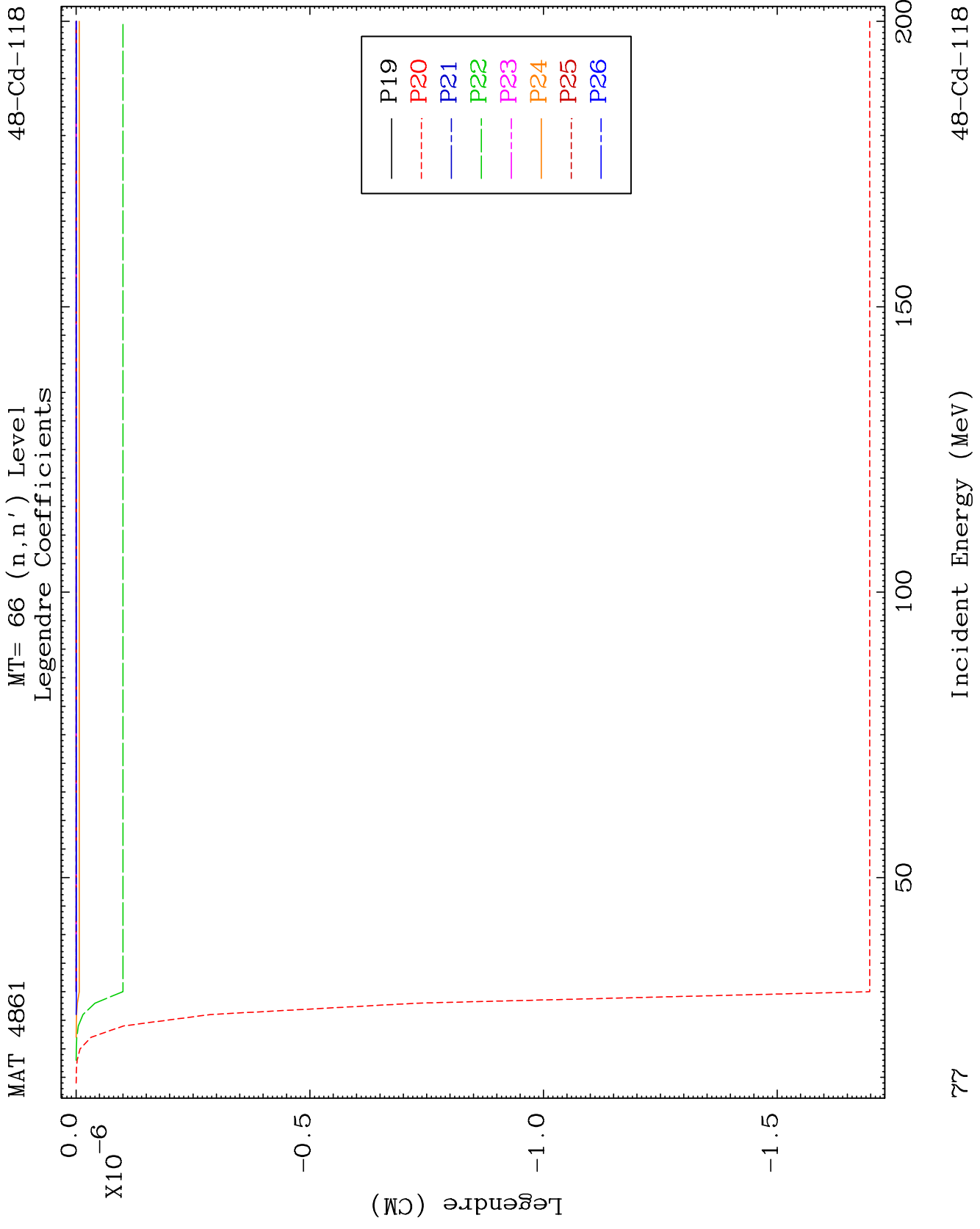
48-Cd-118

MAT 4861

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

48-Cd-118

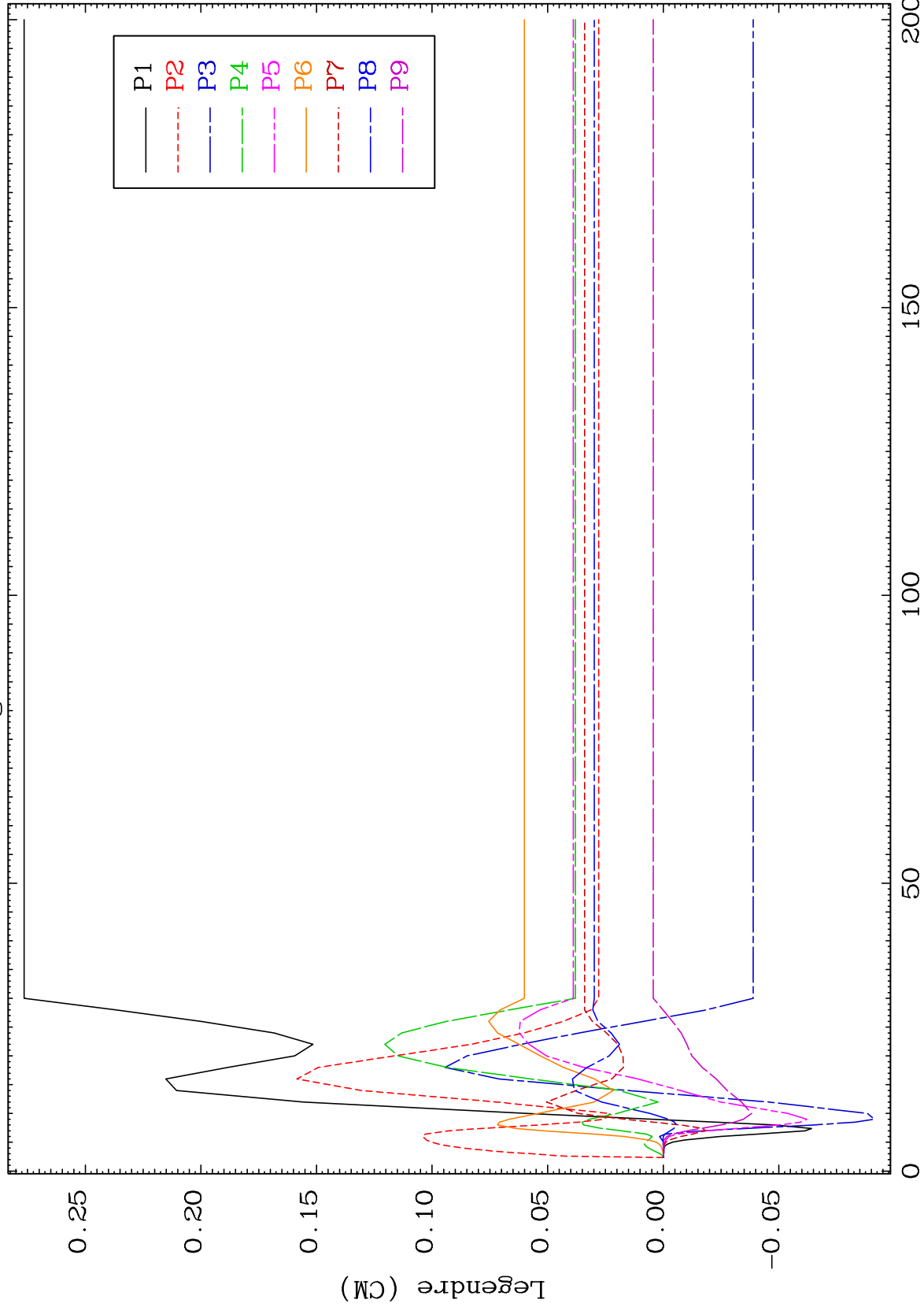




MAT 4861

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

48-Cd-118



78

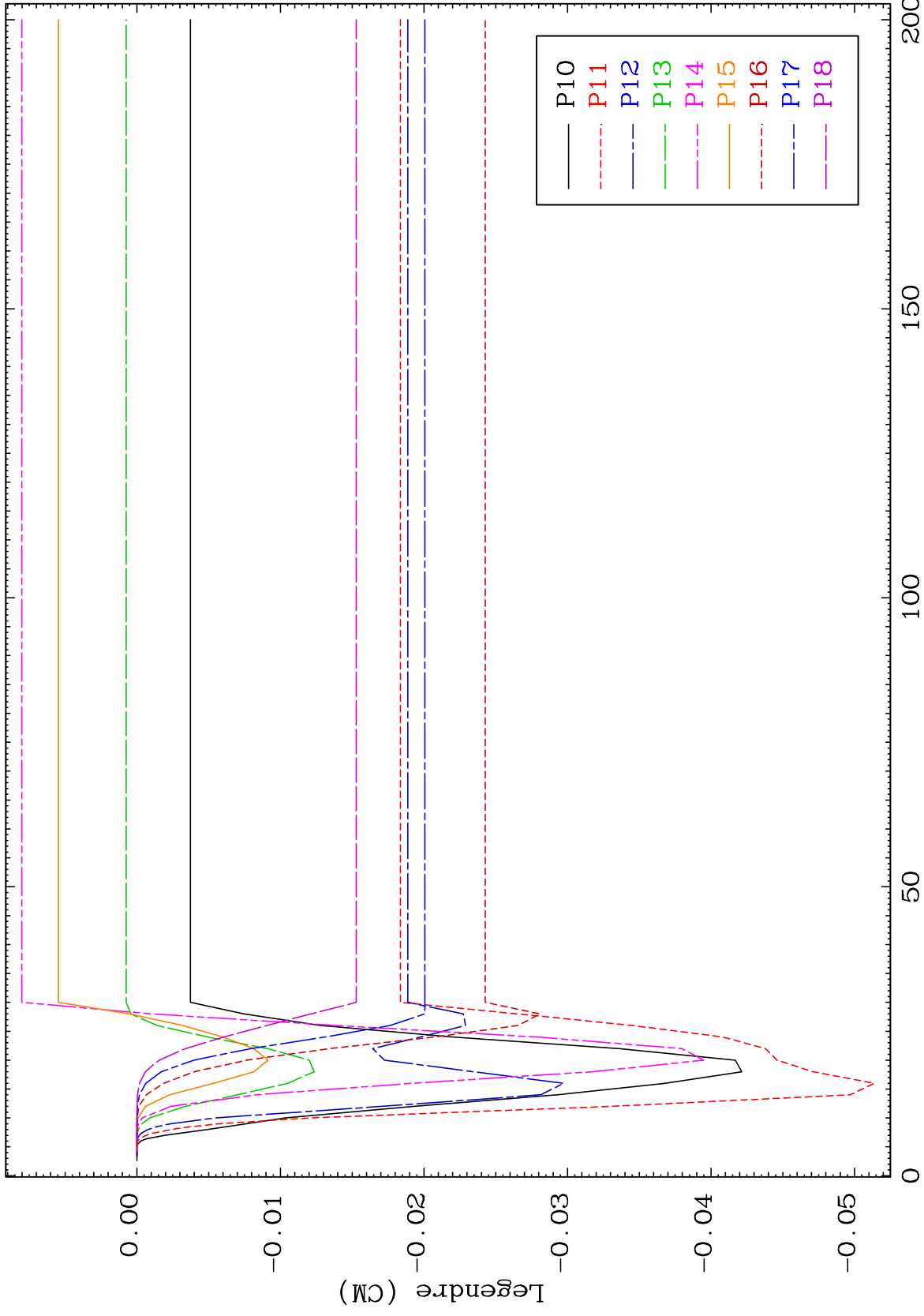
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

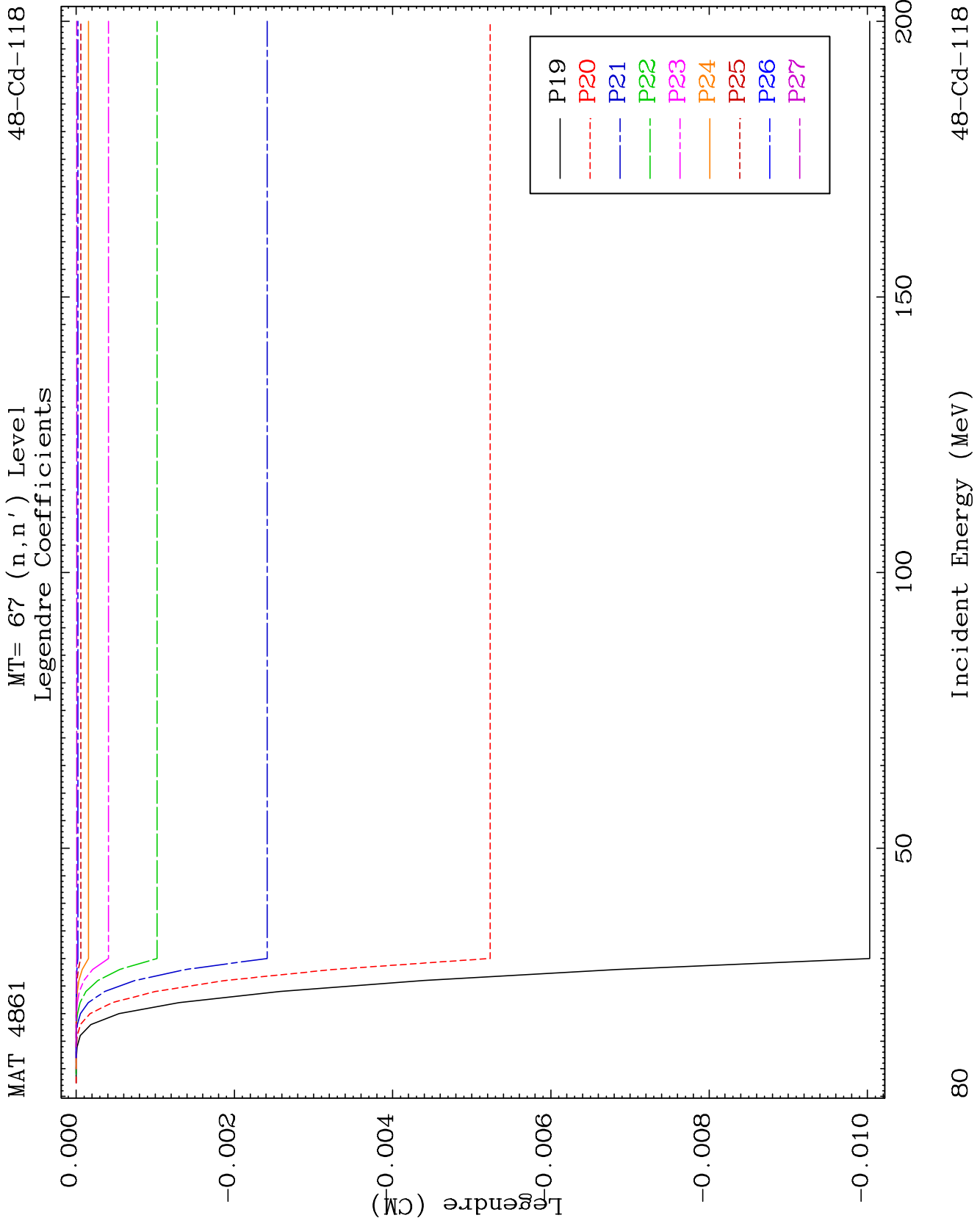
48-Cd-118

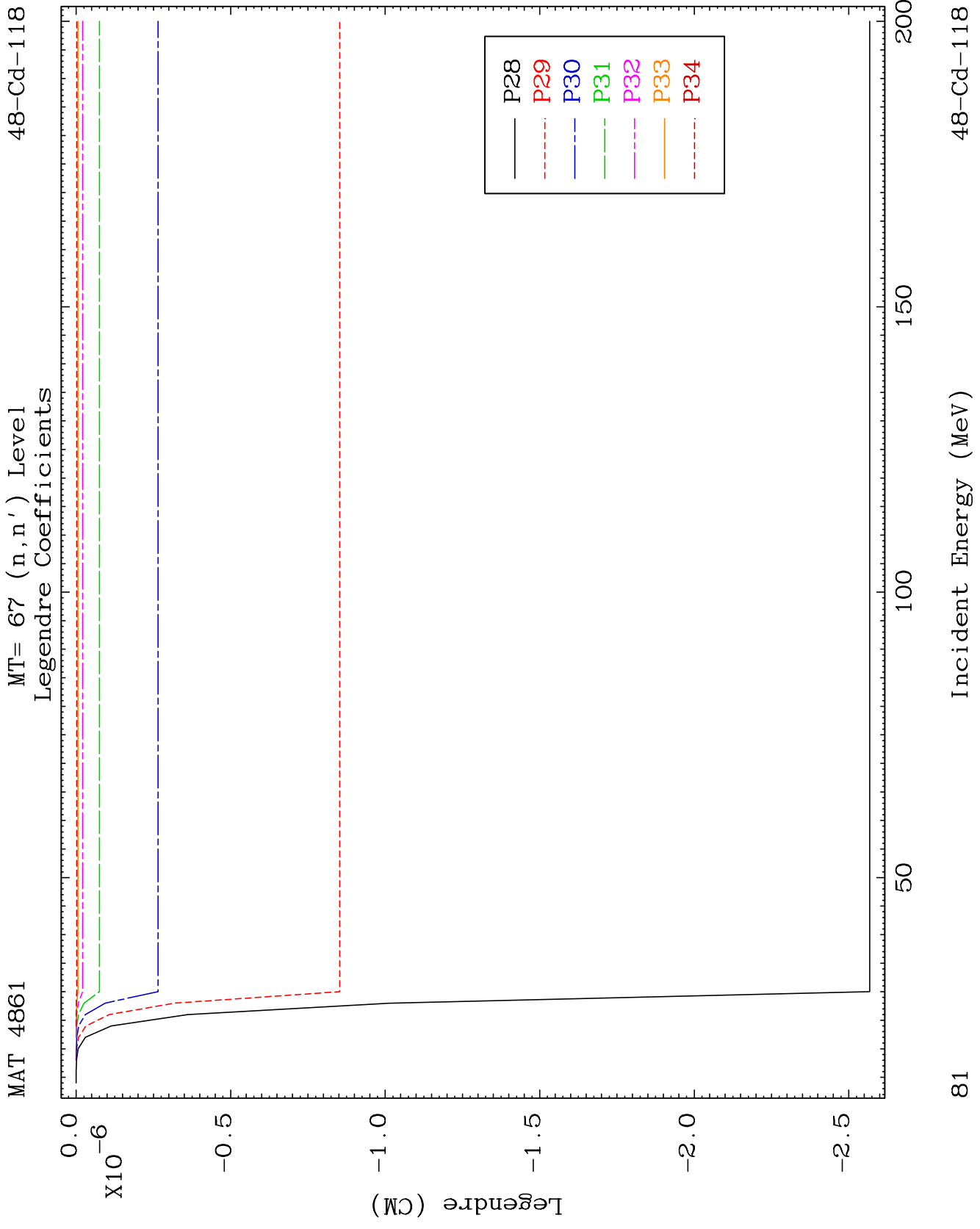


79

Incident Energy (MeV)

48-Cd-118

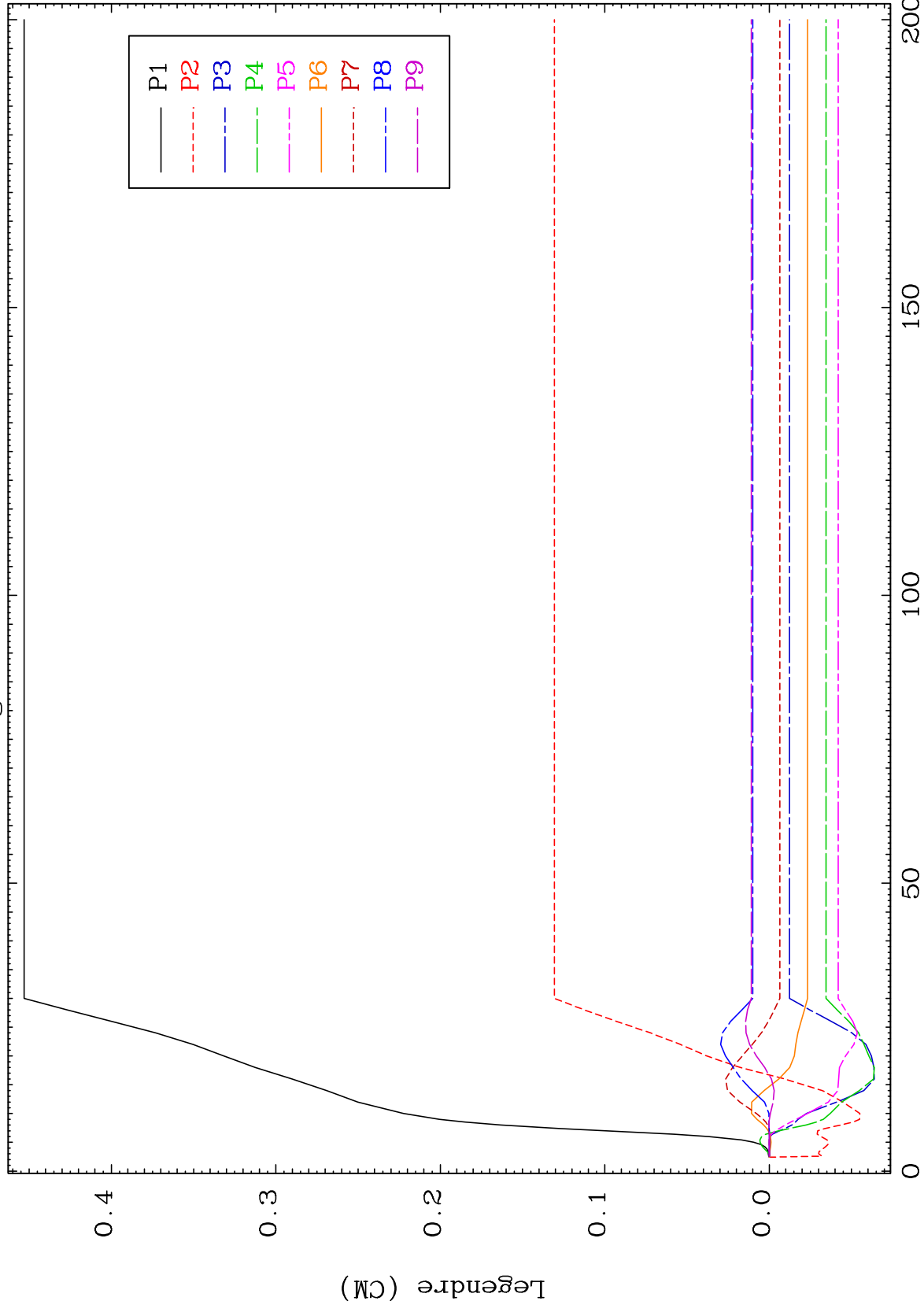




MAT 4861

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

48-Cd-118



82

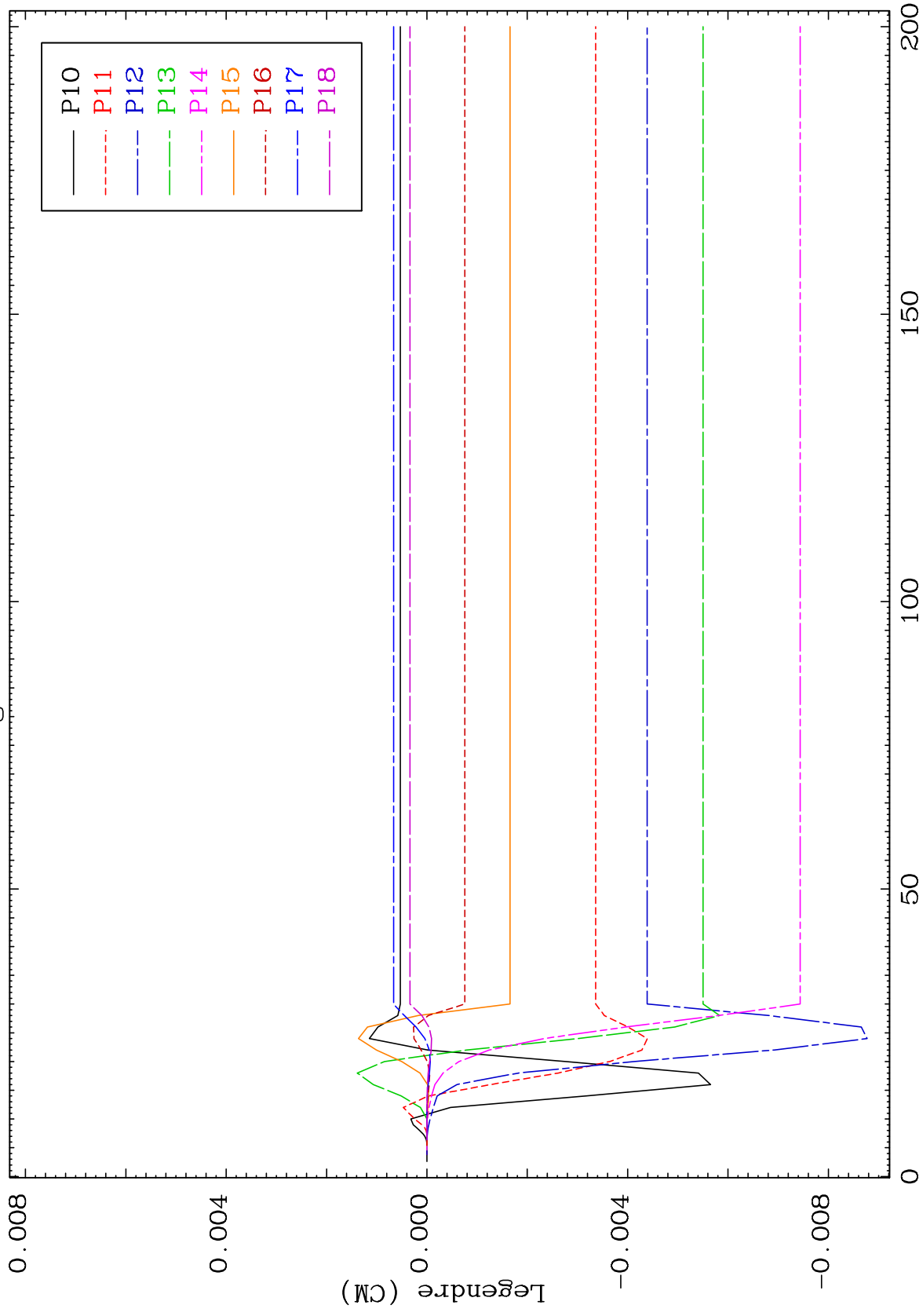
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



83

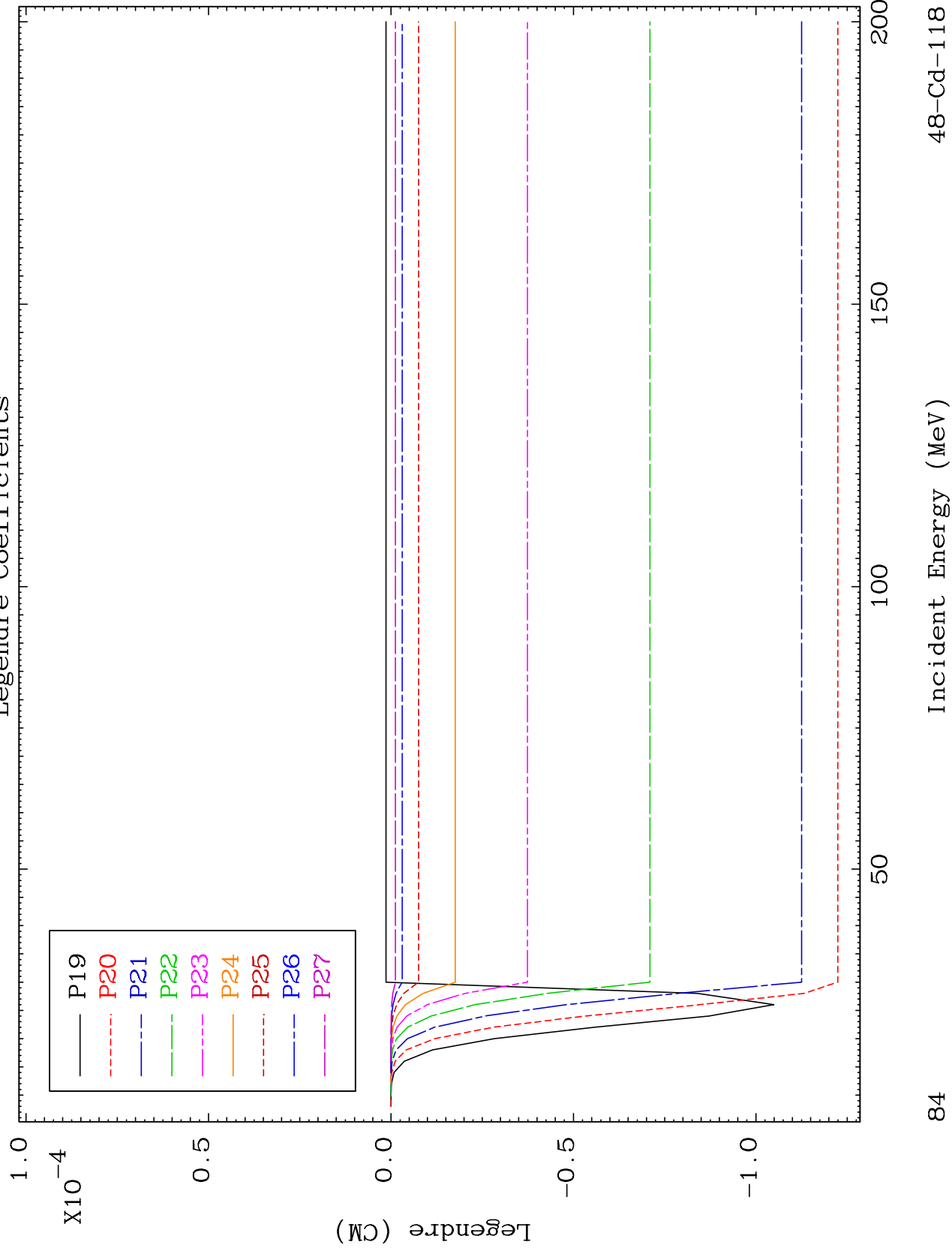
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

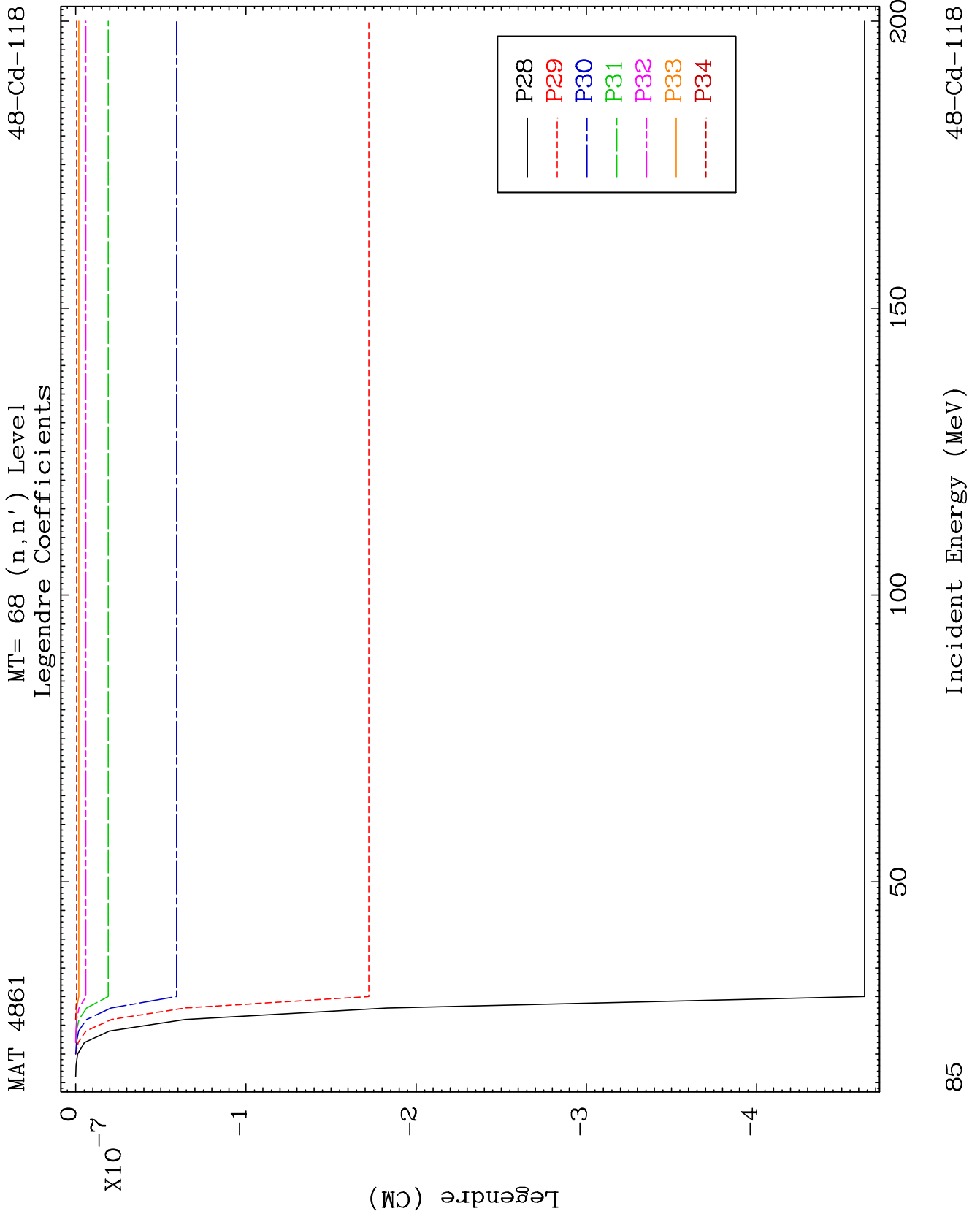
48-Cd-118



84

Incident Energy (MeV)

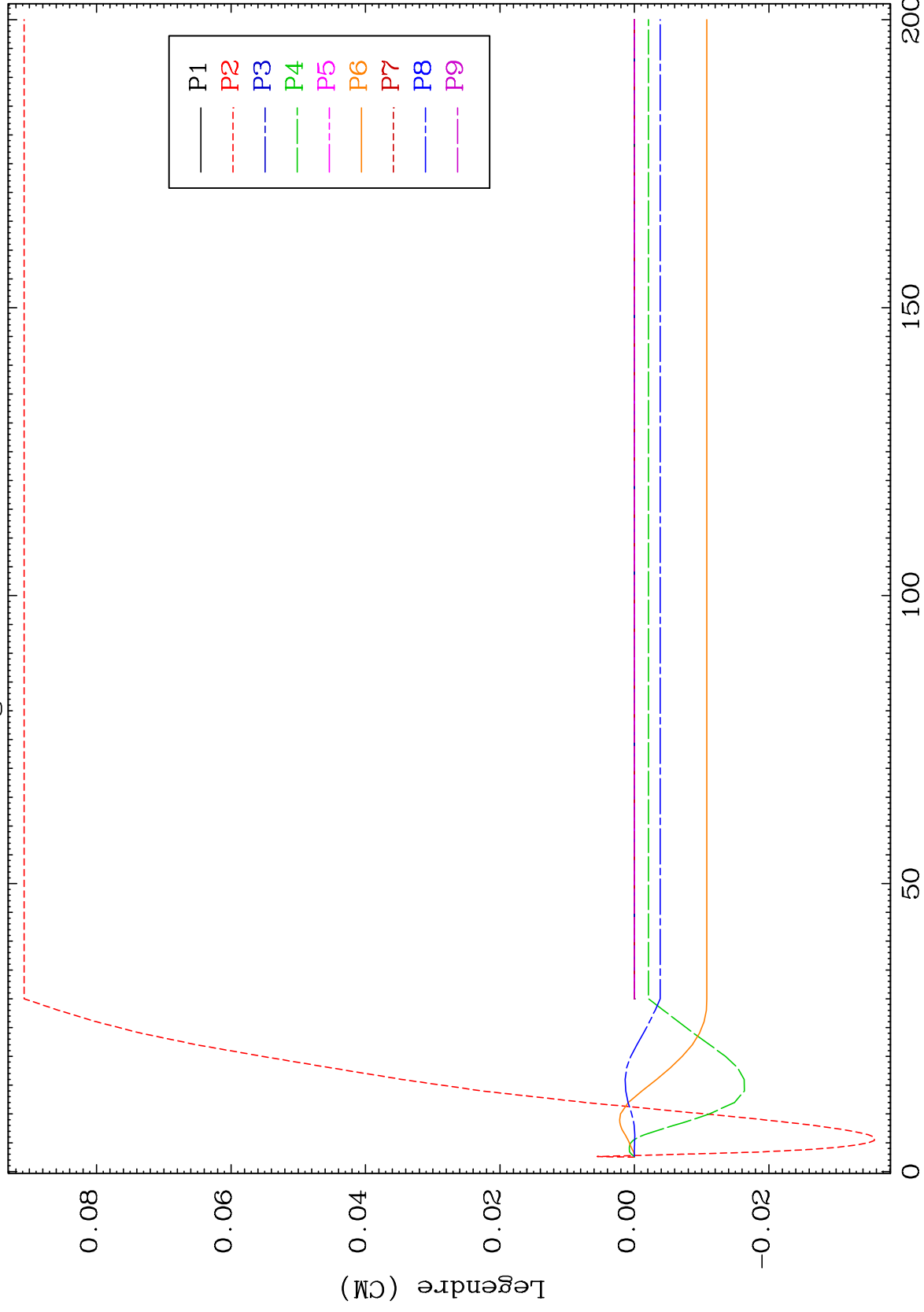
48-Cd-118



MAT 4861

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

48-Cd-118



86

Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118

$\times 10^{-3}$
2.0

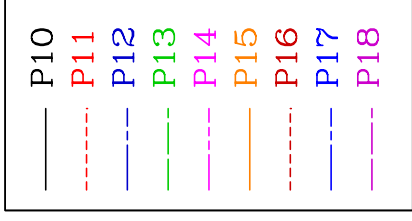
1.5

Legendre (CM)

1.0

0.5

0.0



200

150

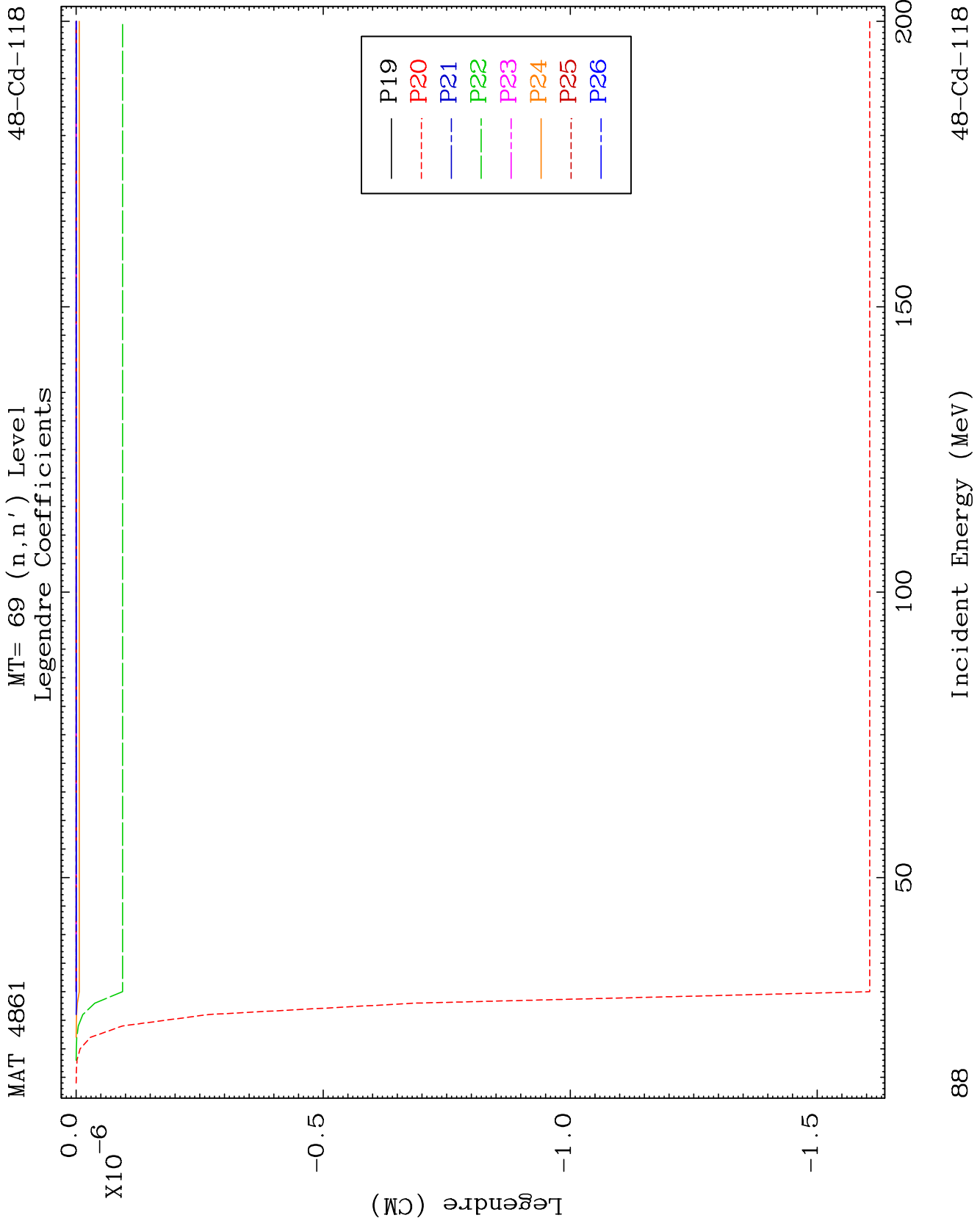
100

50

87

Incident Energy (MeV)

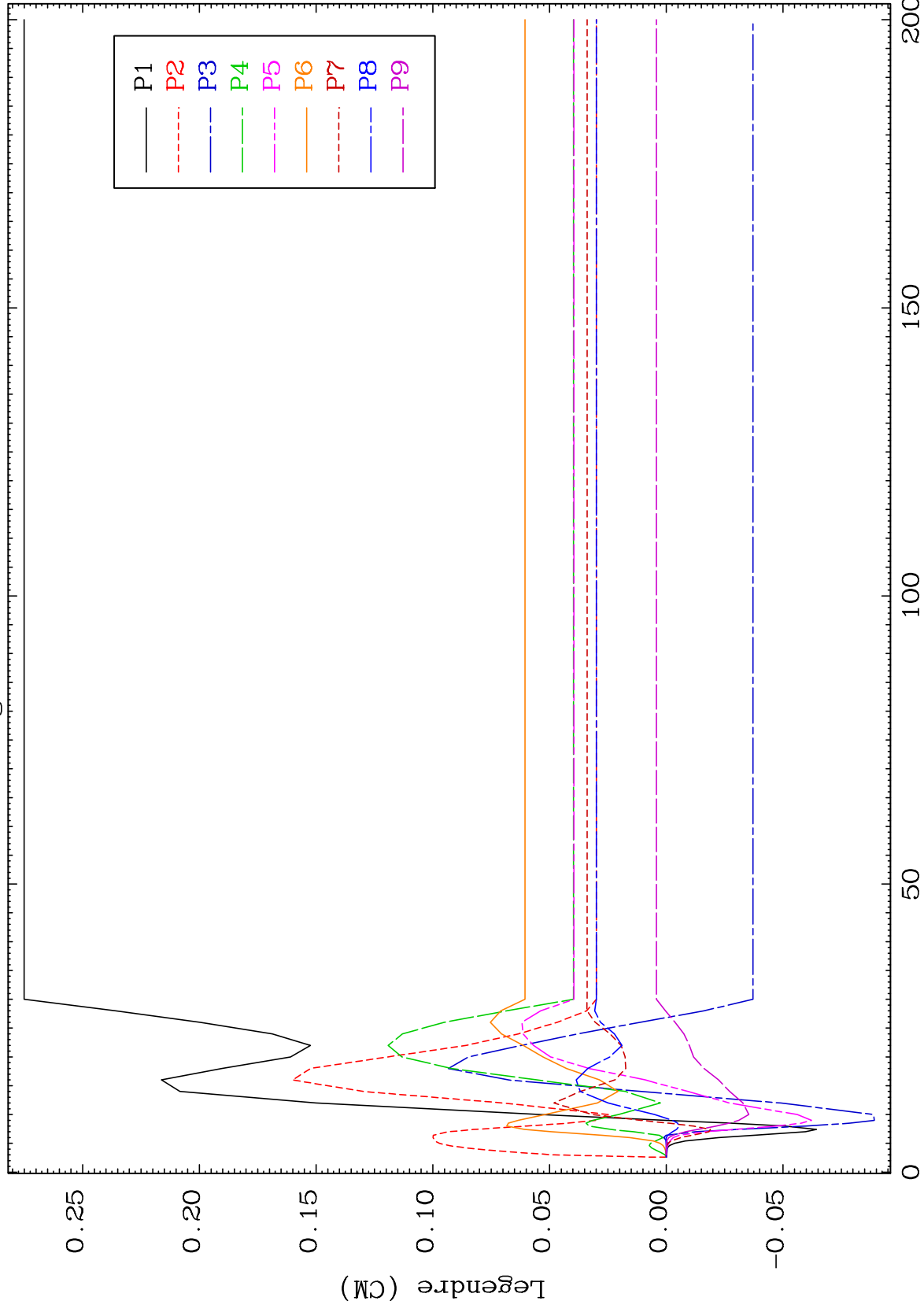
48-Cd-118



MAT 4861

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

48-Cd-118



89

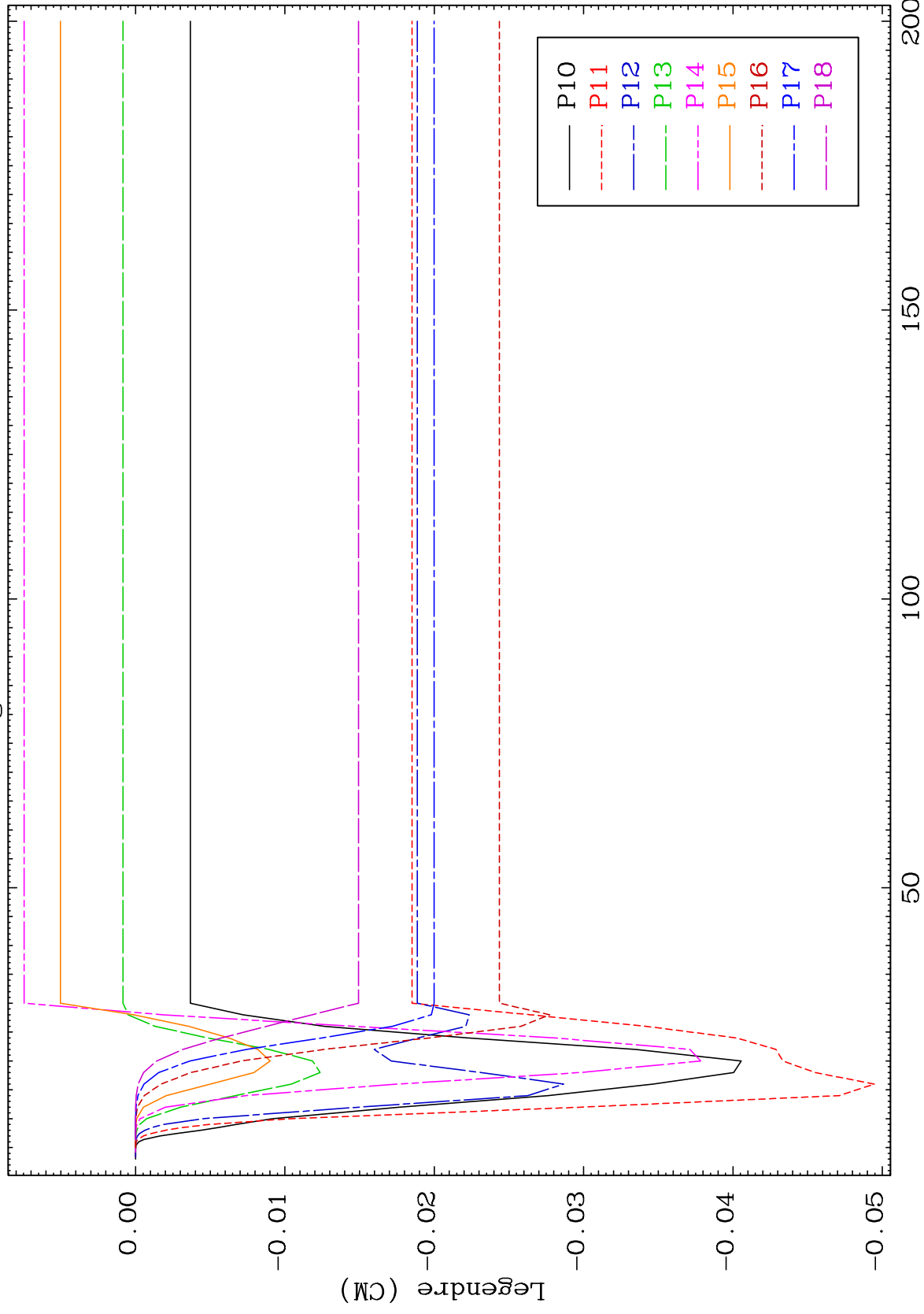
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

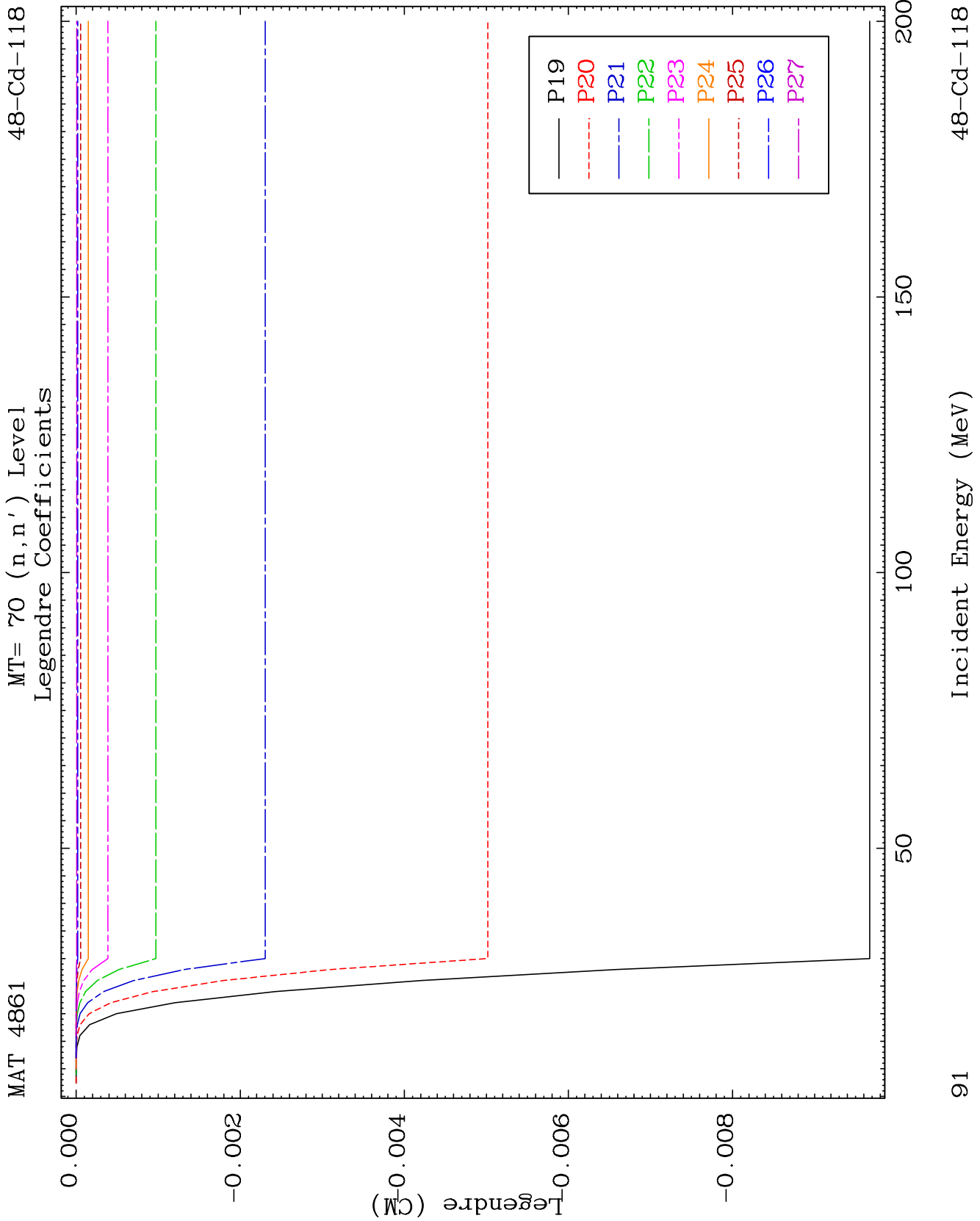
48-Cd-118

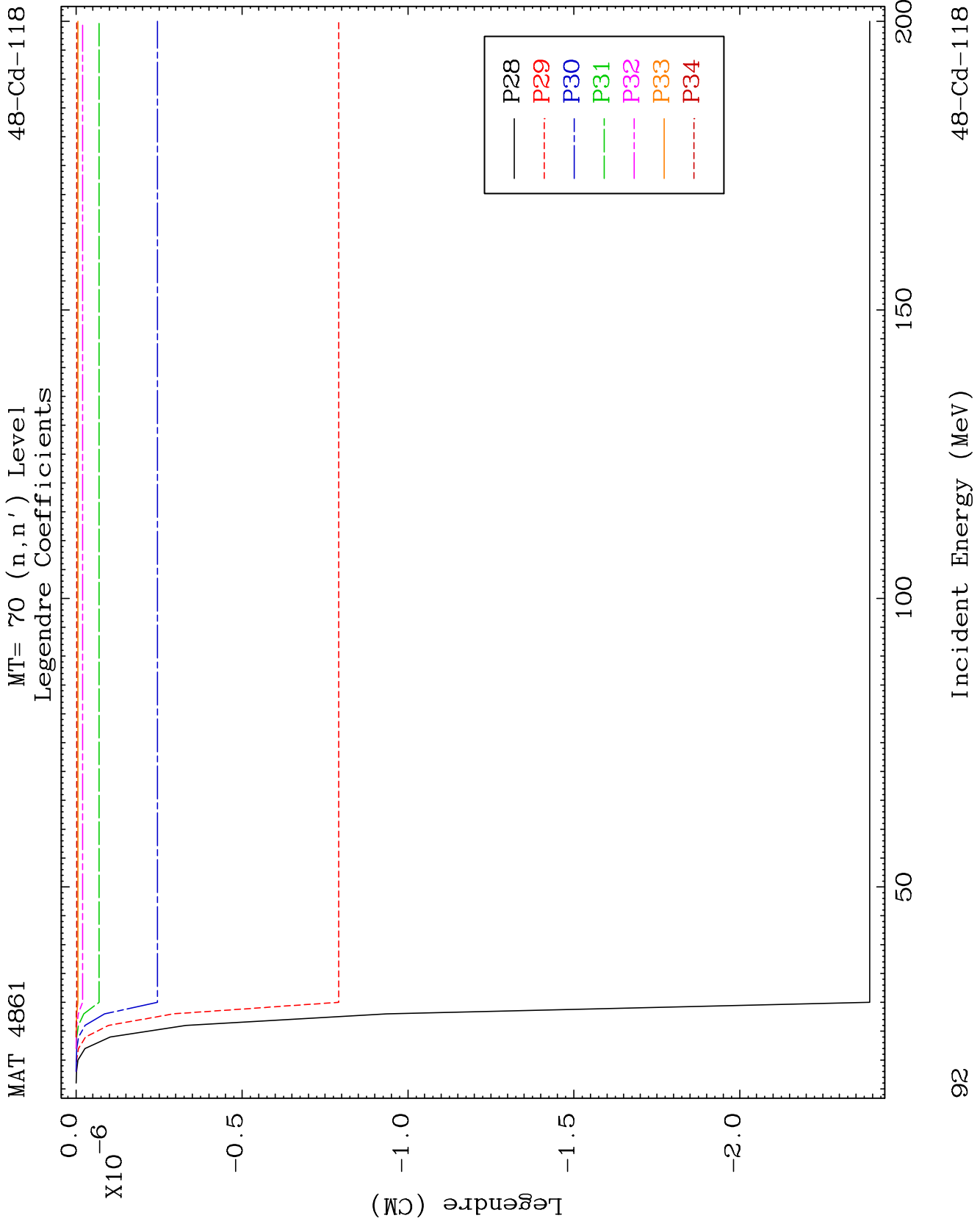


90

Incident Energy (MeV)

48-Cd-118

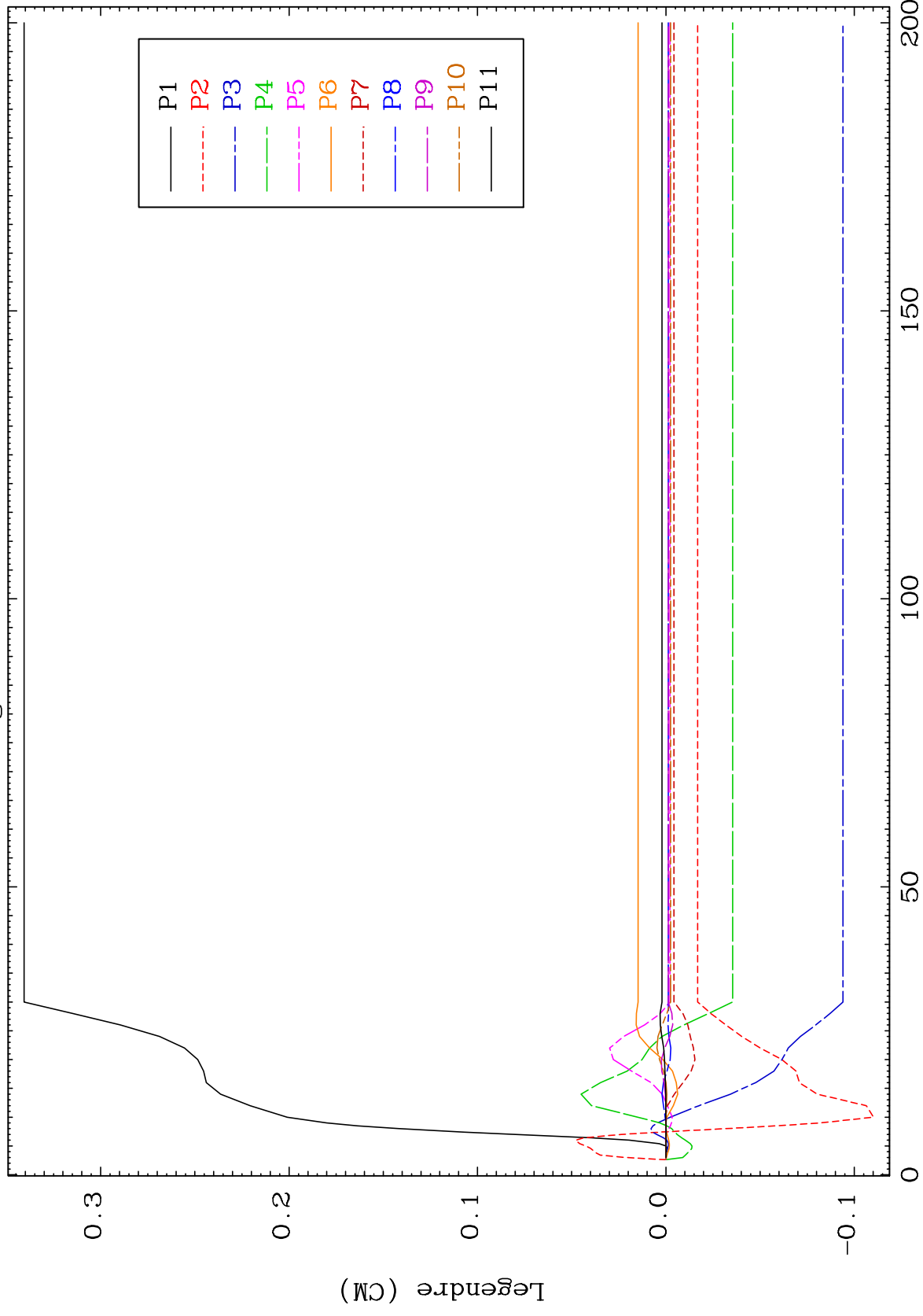




MAT 4861

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

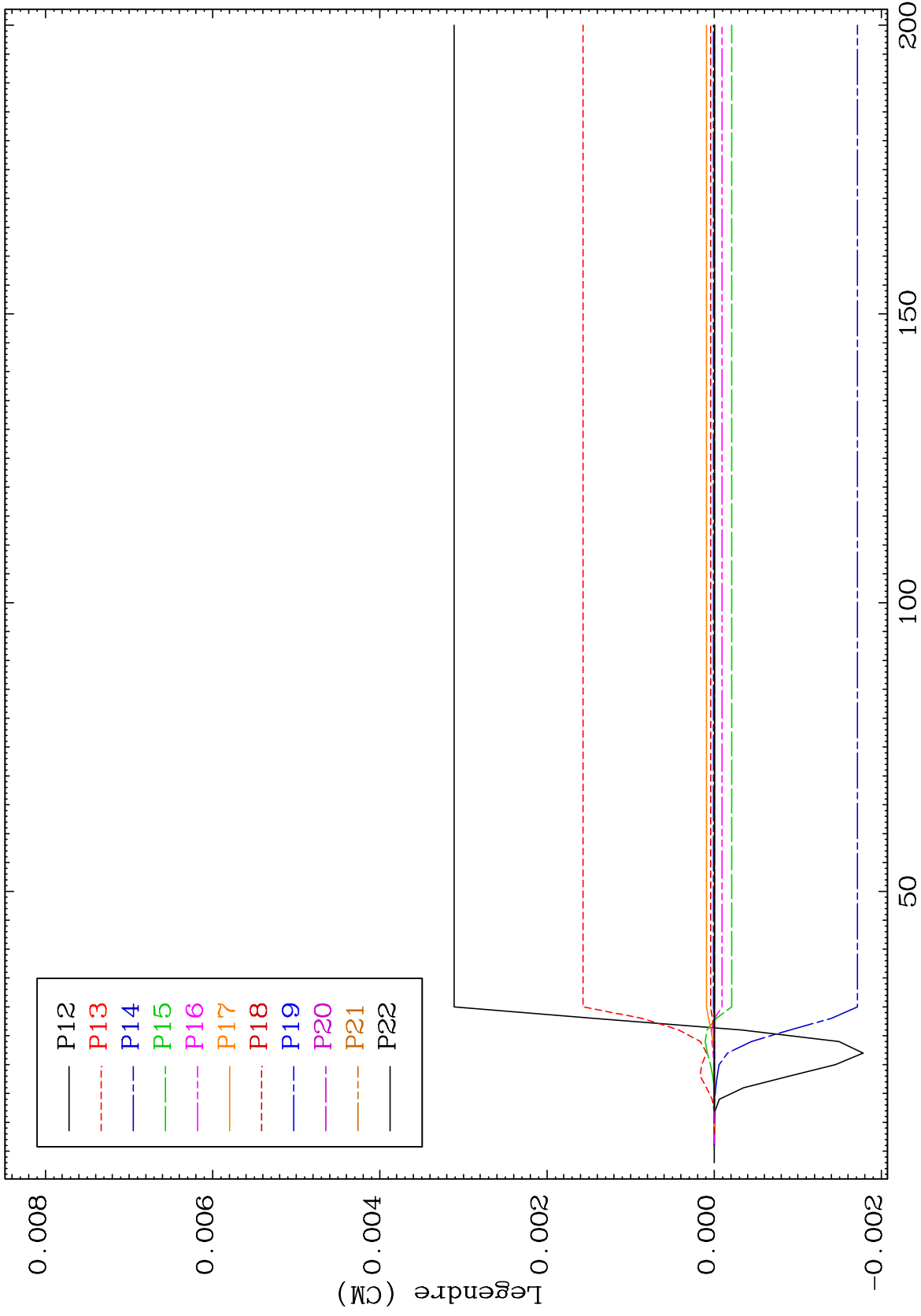
48-Cd-118

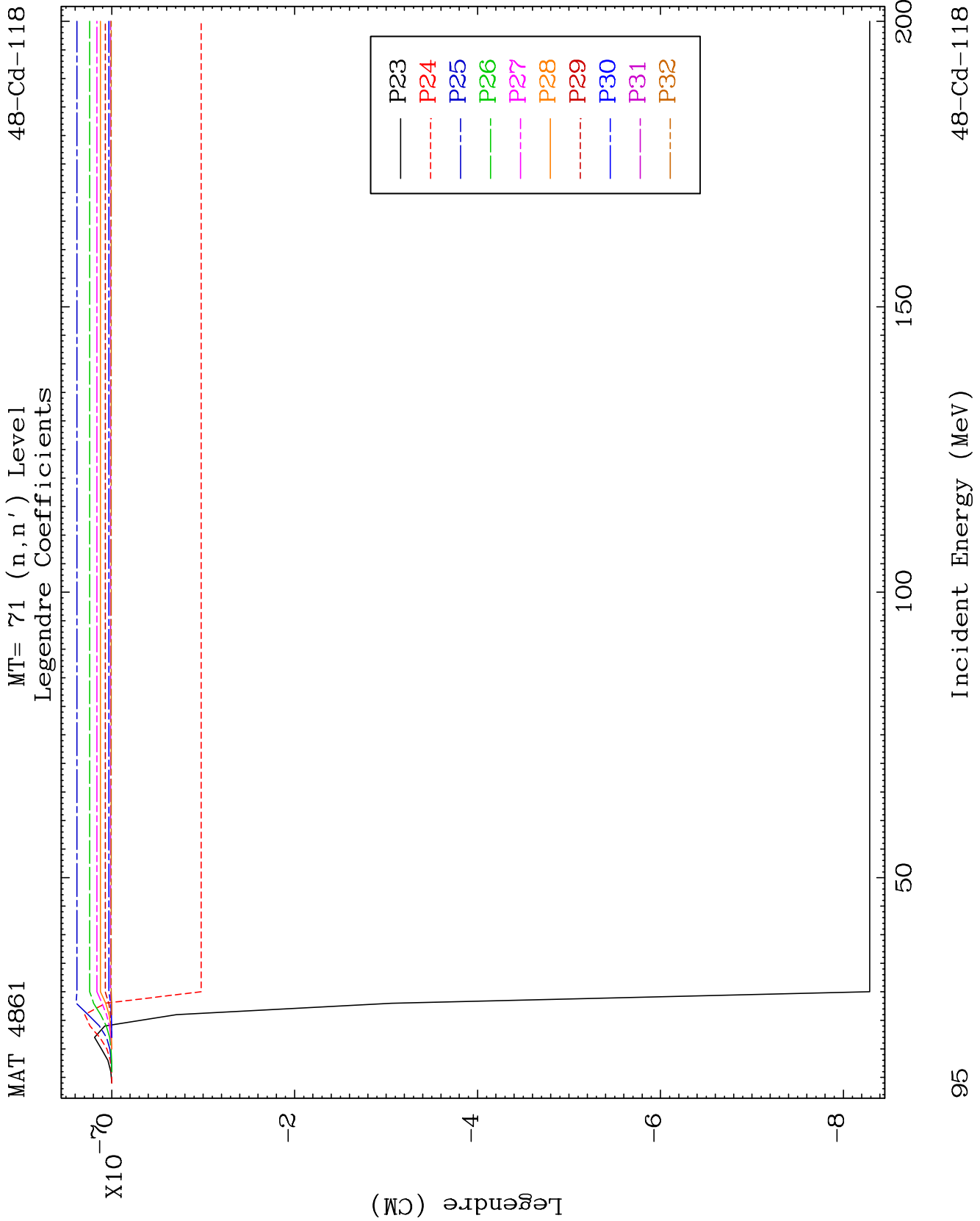


93

Incident Energy (MeV)

48-Cd-118

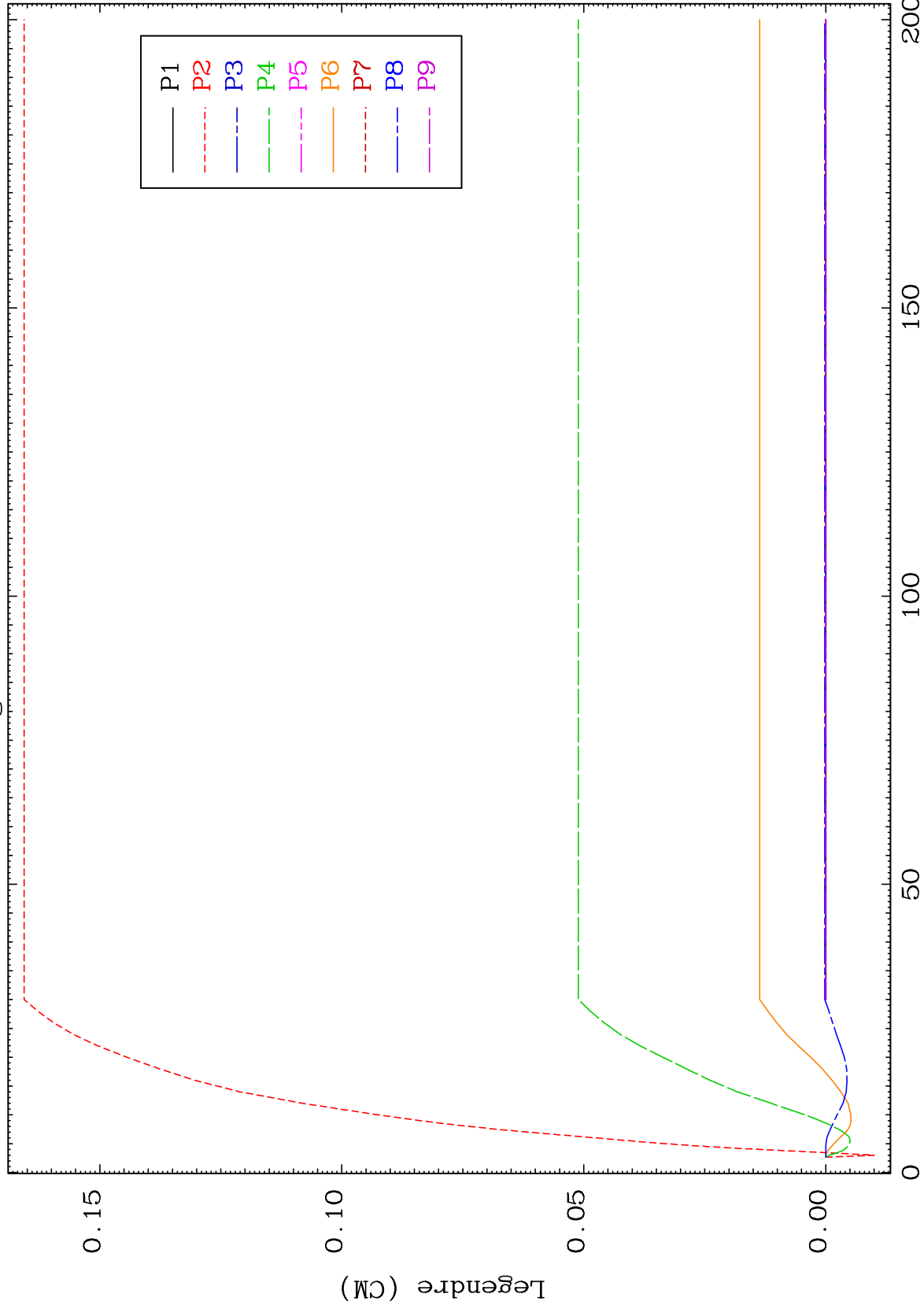




MAT 4861

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

48-Cd-118



96

Incident Energy (MeV)

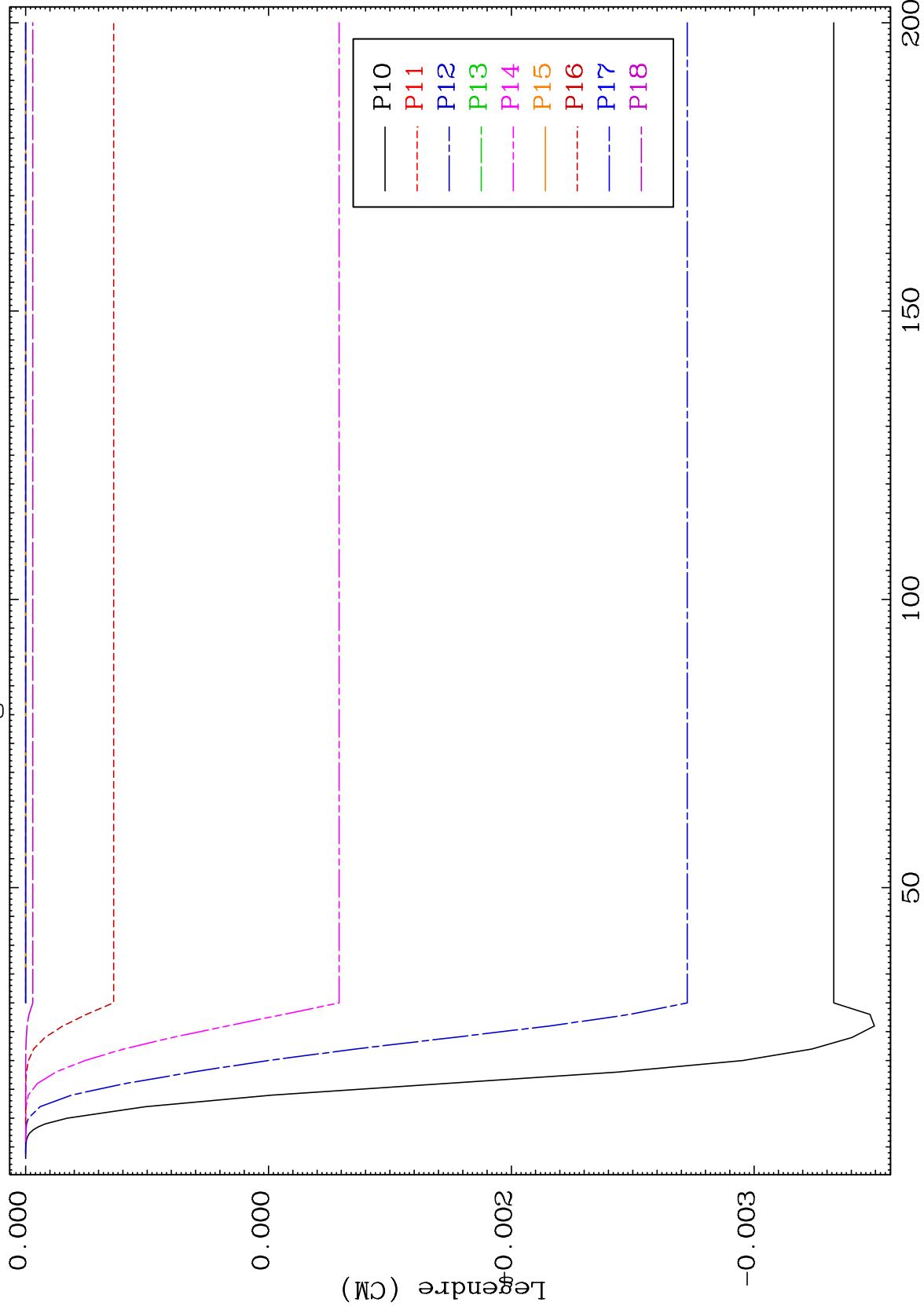
48-Cd-118

MAT 4861

MT= 72 (n,n') Level

48-Cd-118

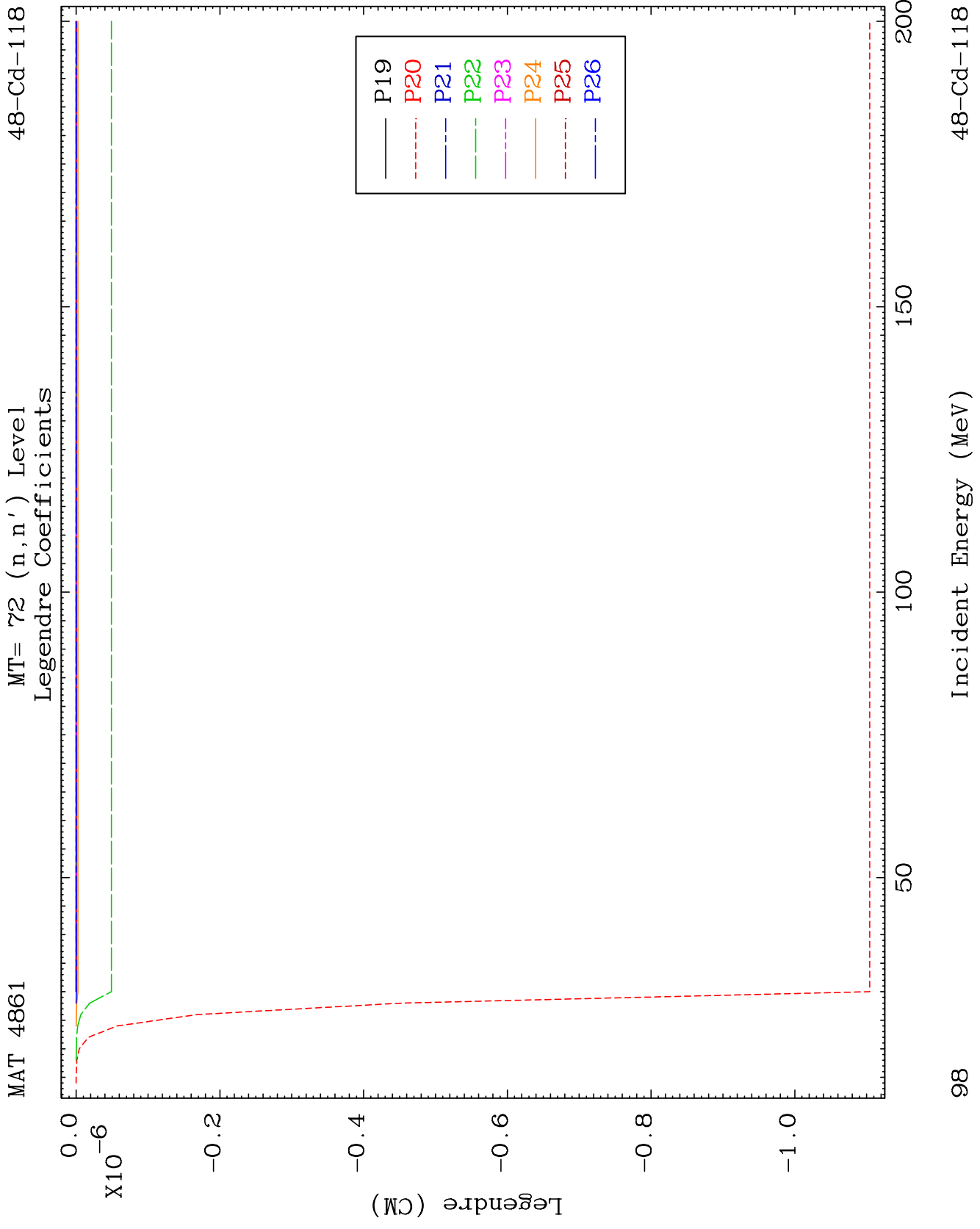
Legendre Coefficients



48-Cd-118

Incident Energy (MeV)

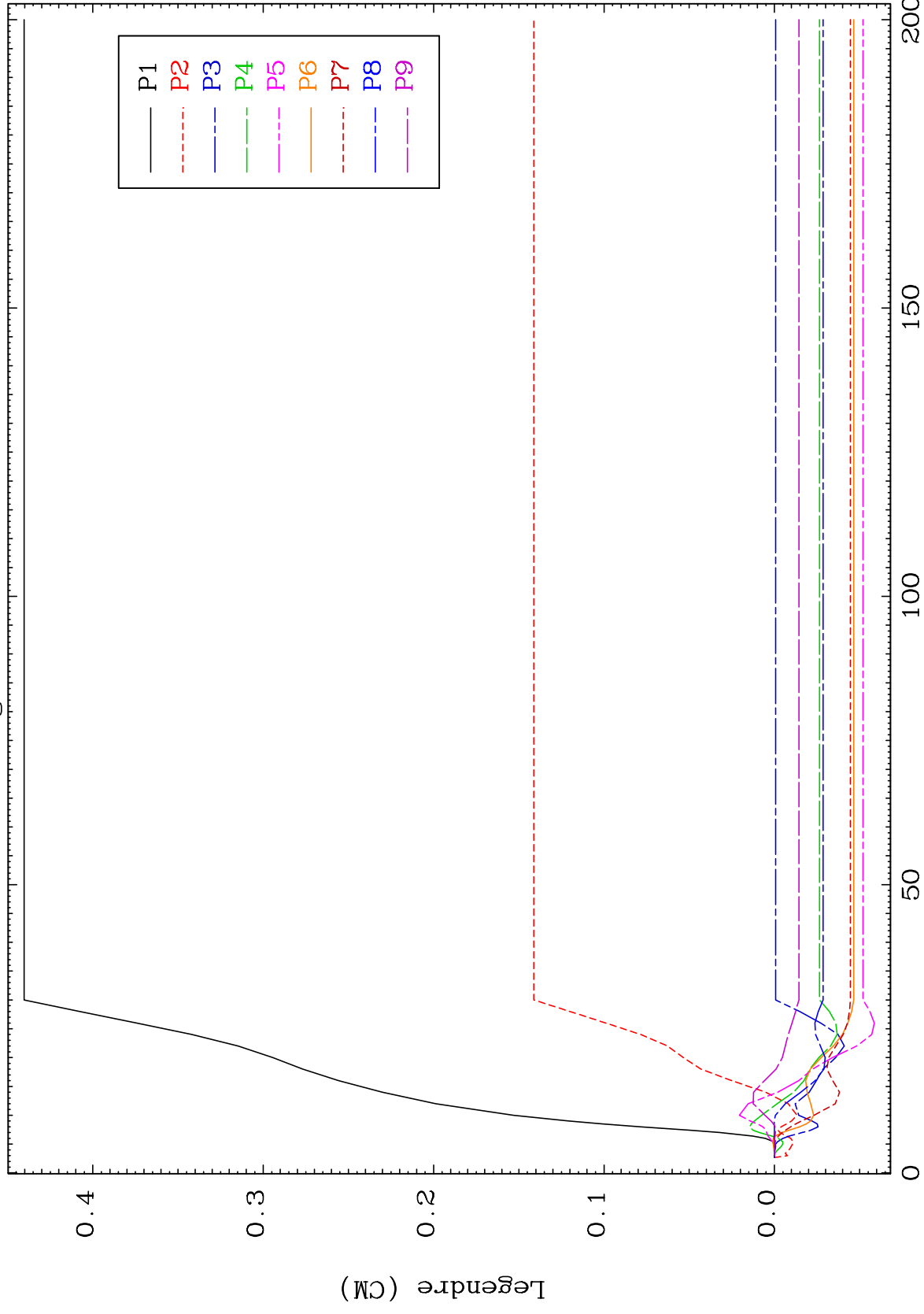
97



MAT 4861

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

48-Cd-118



99

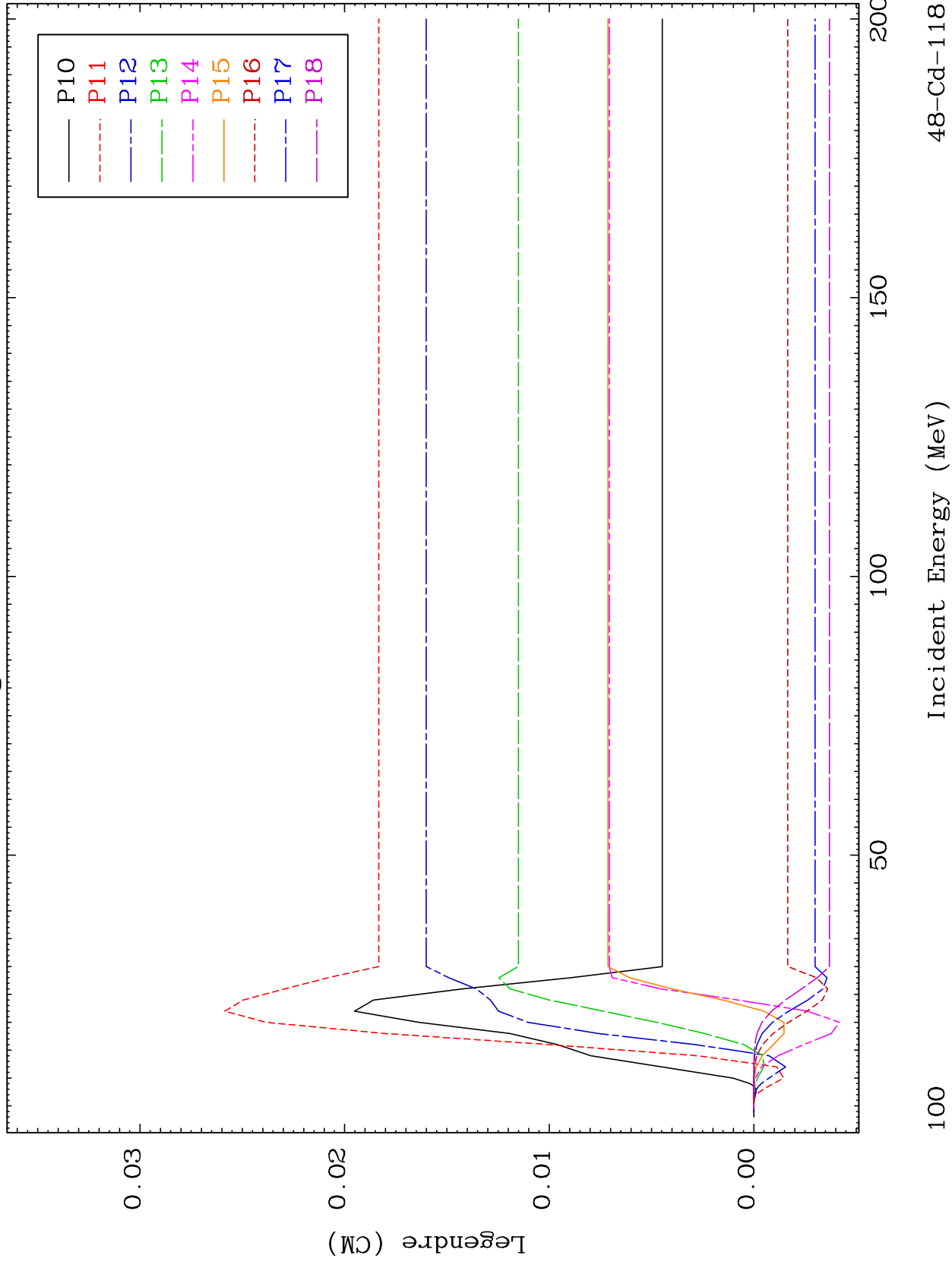
Incident Energy (MeV)

48-Cd-118

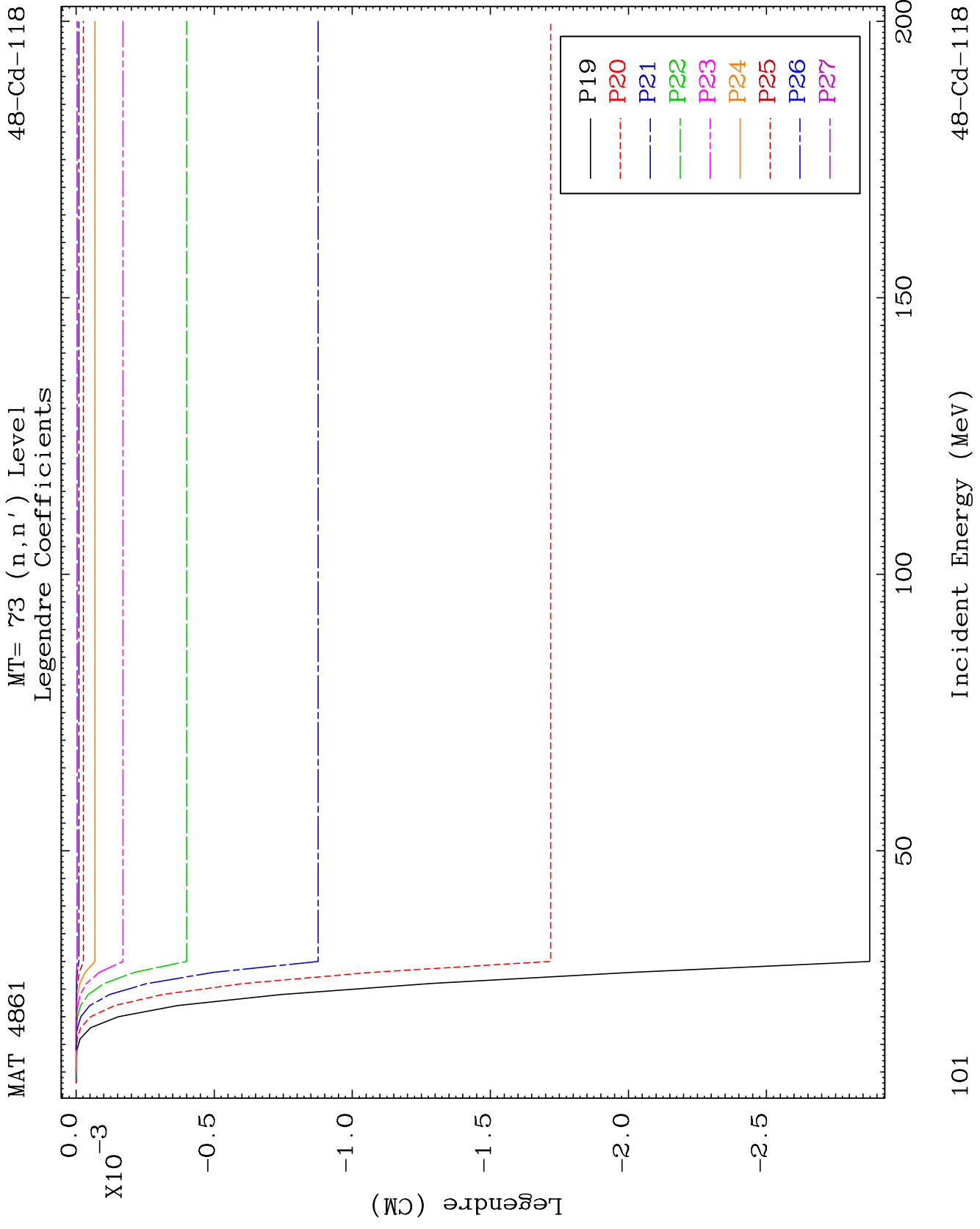
MAT 4861

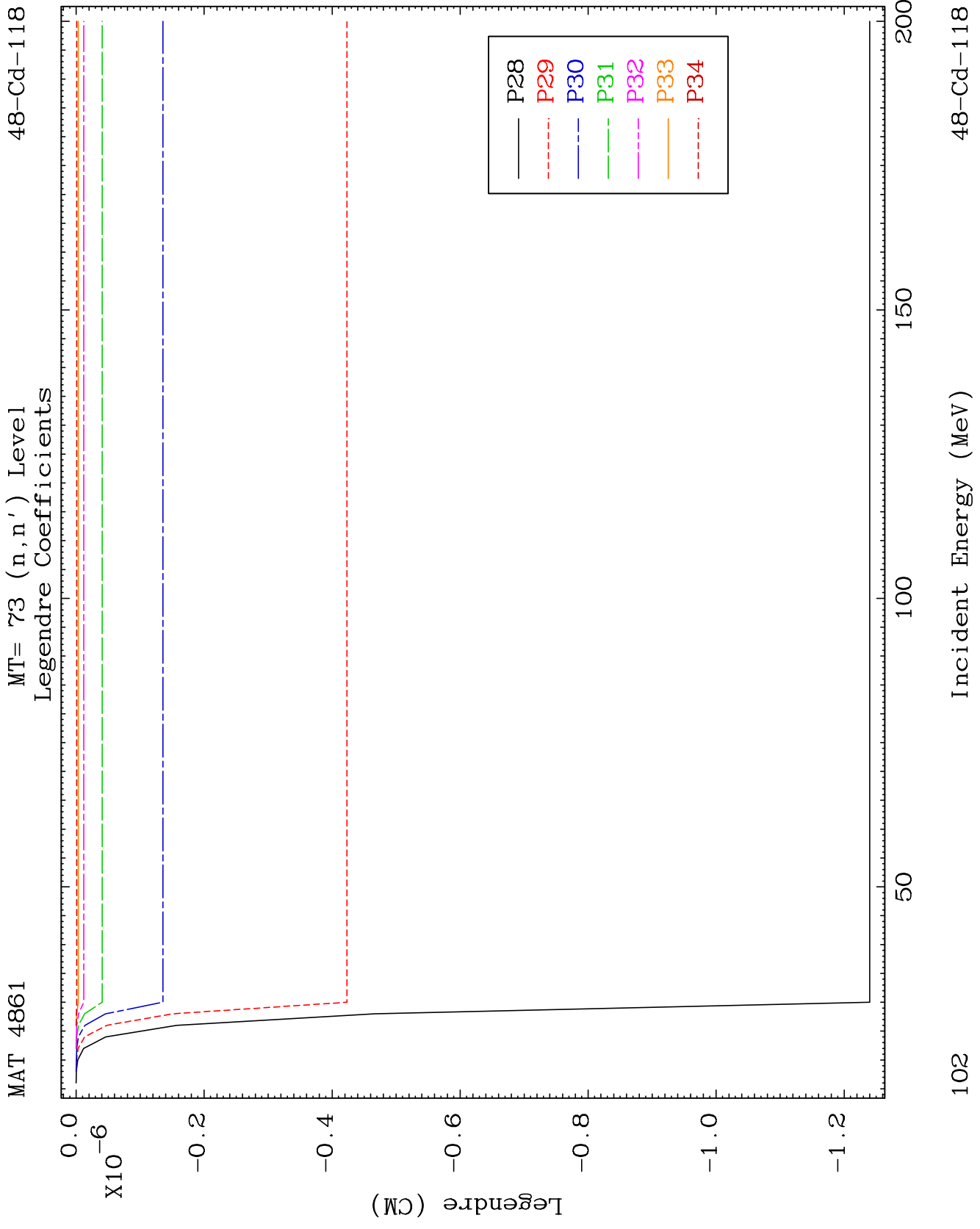
MT= 73 (n,n') Level
Legendre Coefficients

48-Cd-118



48-Cd-118

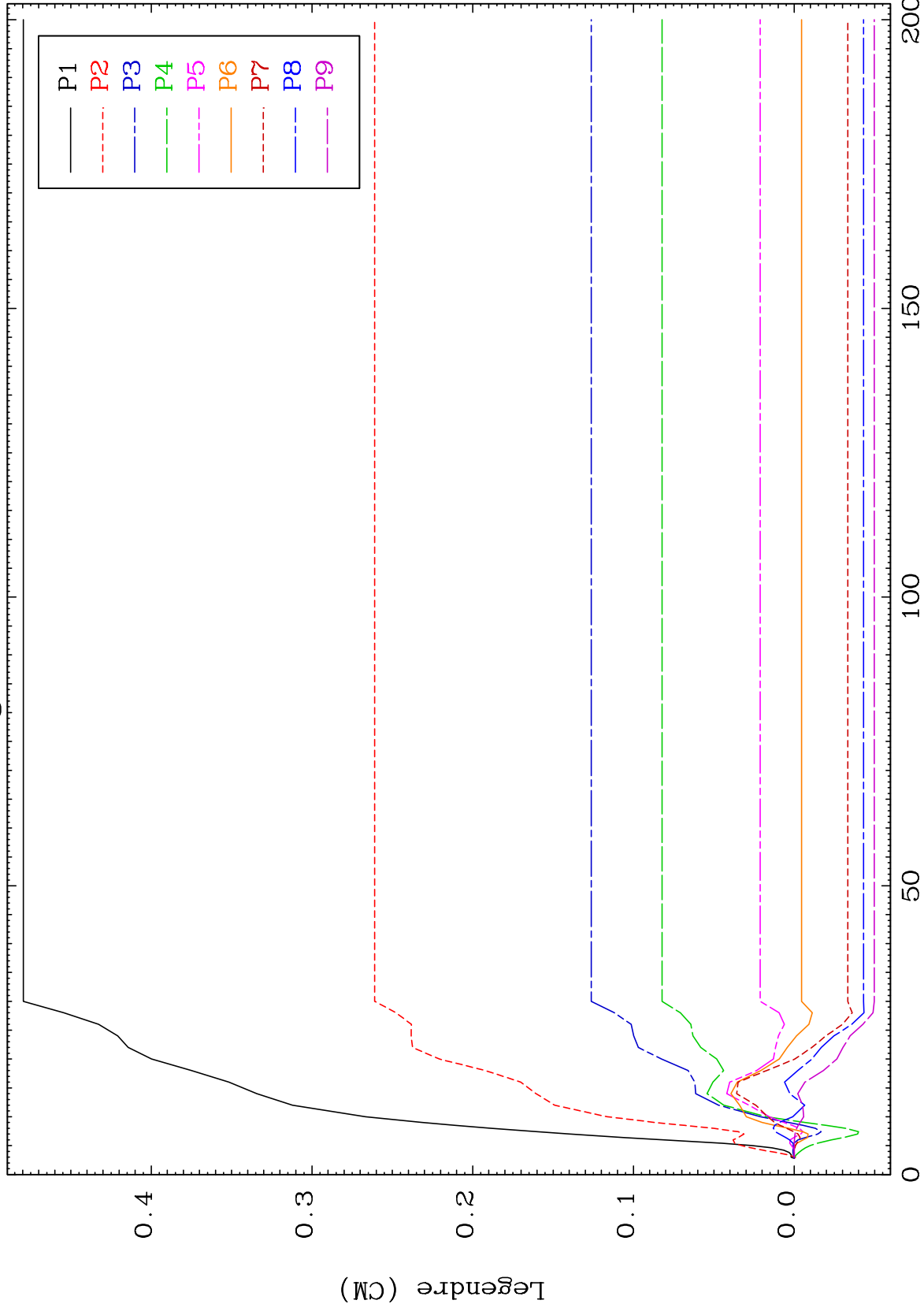




MAT 4861

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

48-Cd-118



103

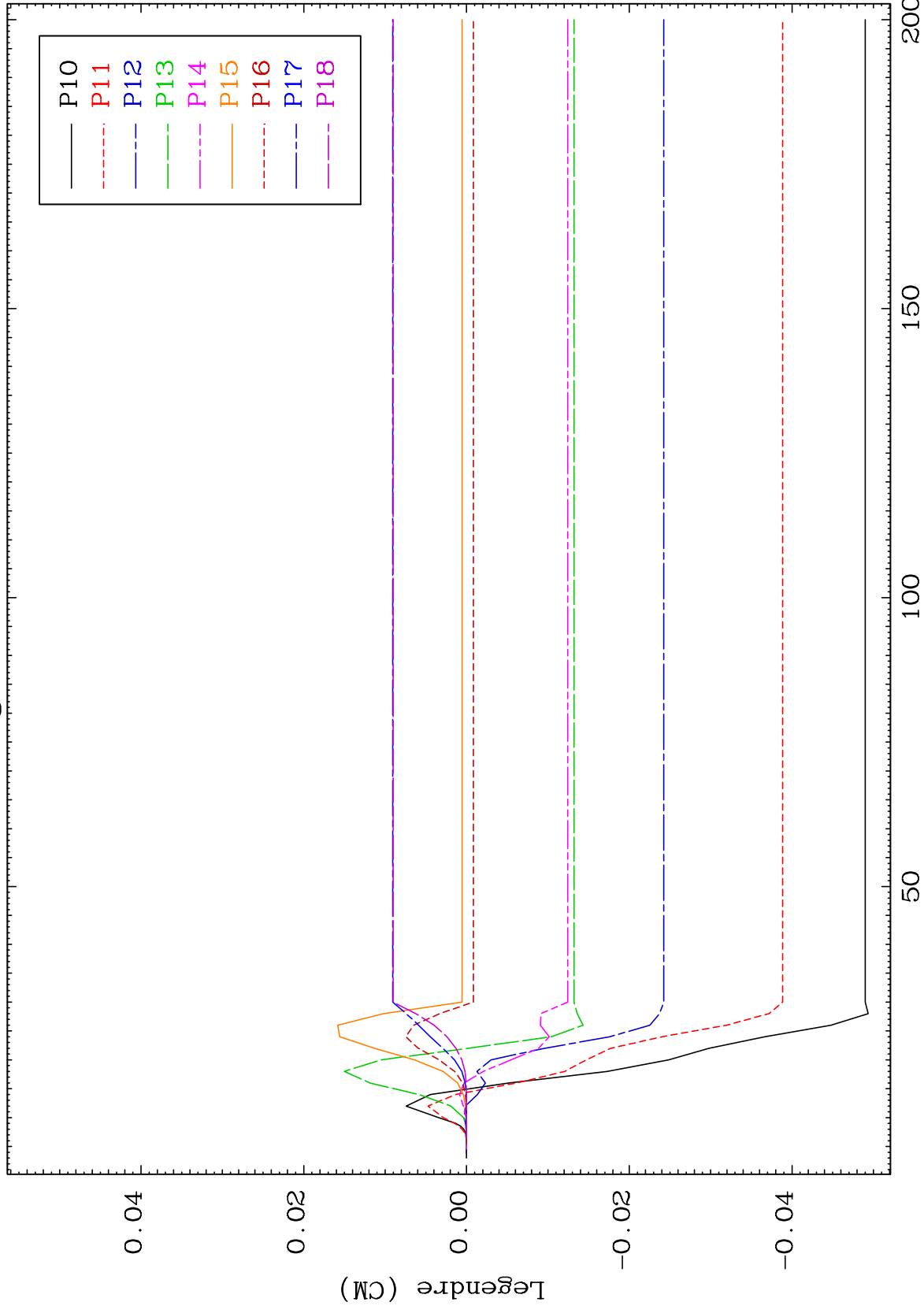
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



104

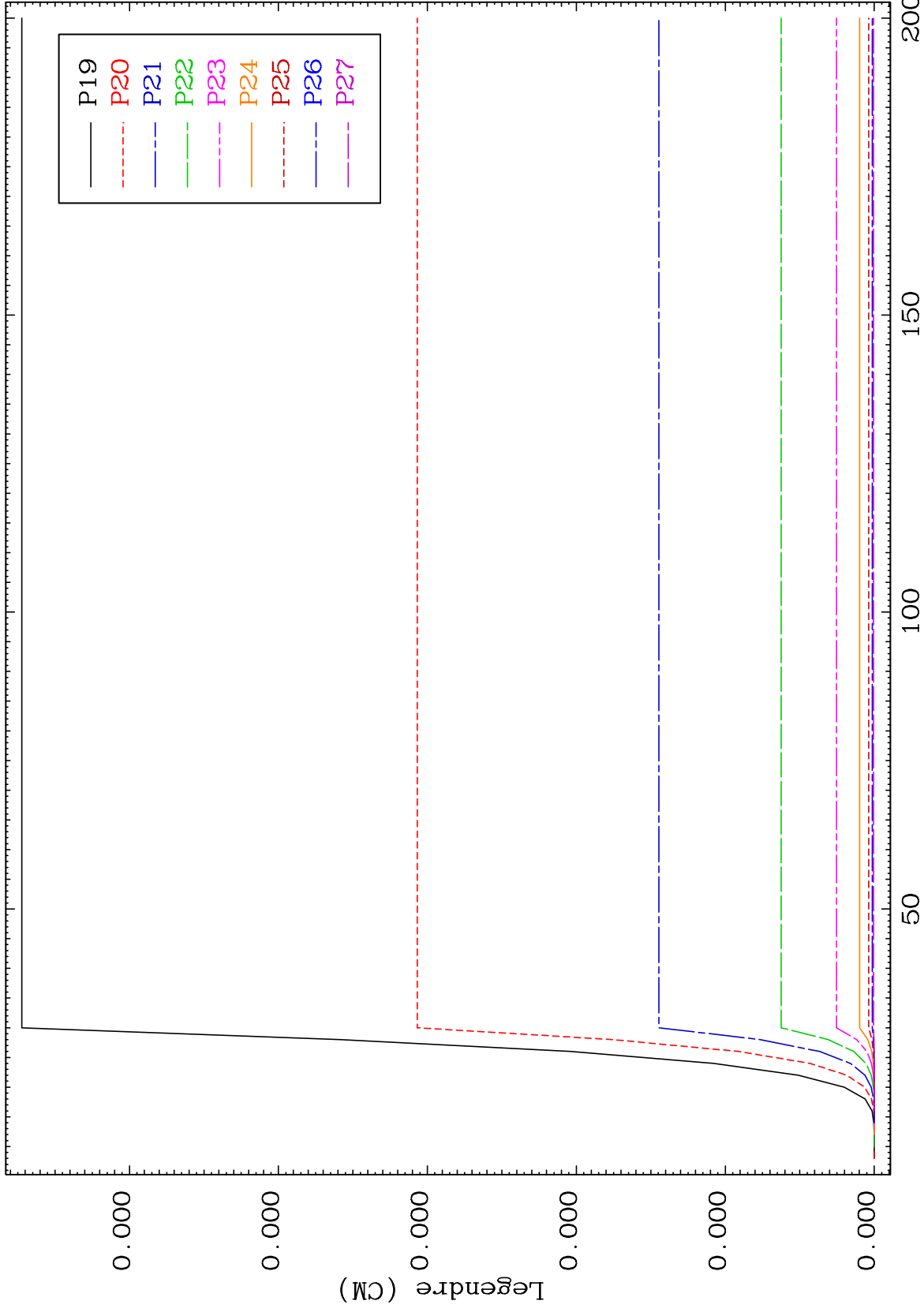
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



105

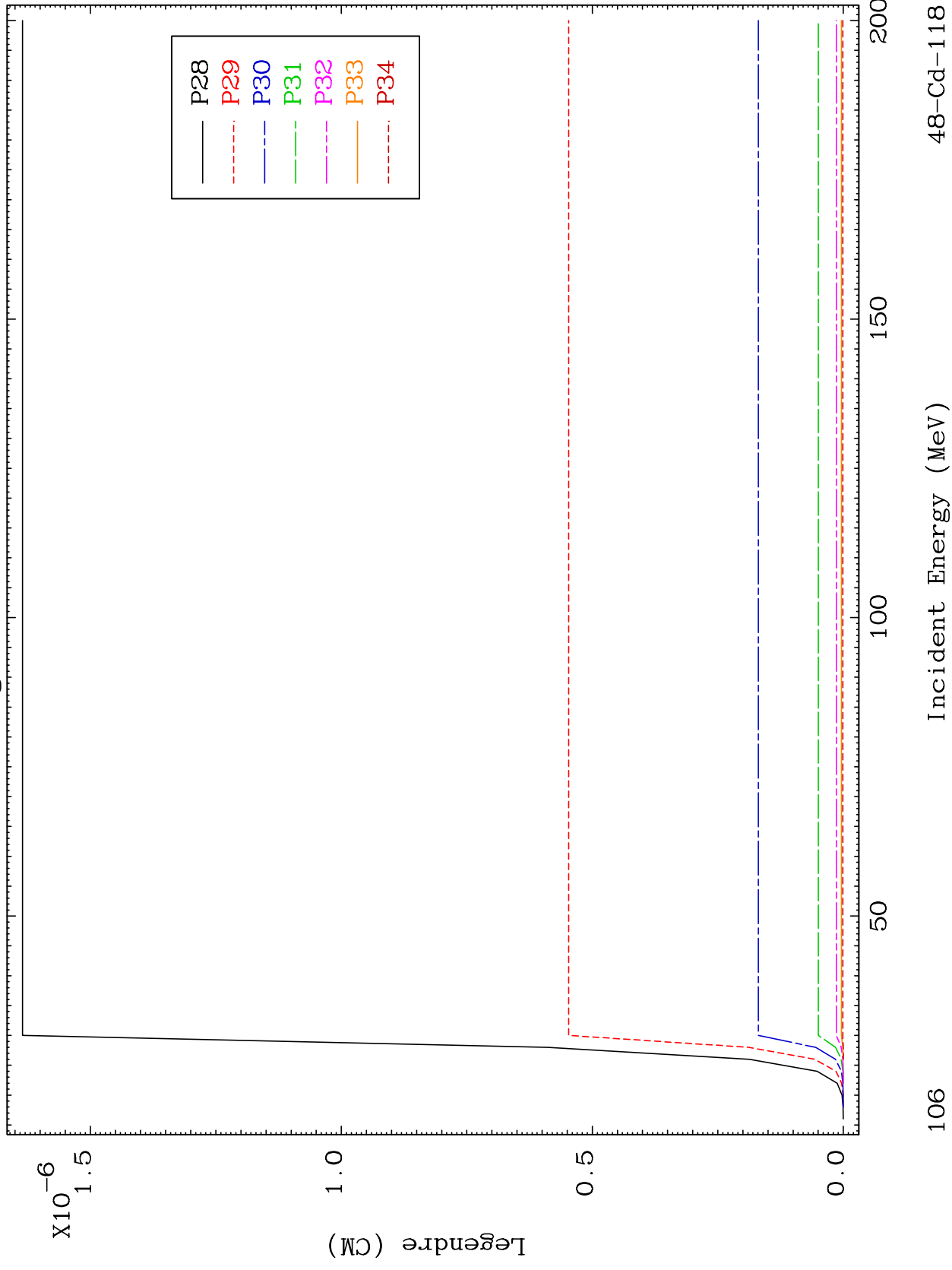
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118

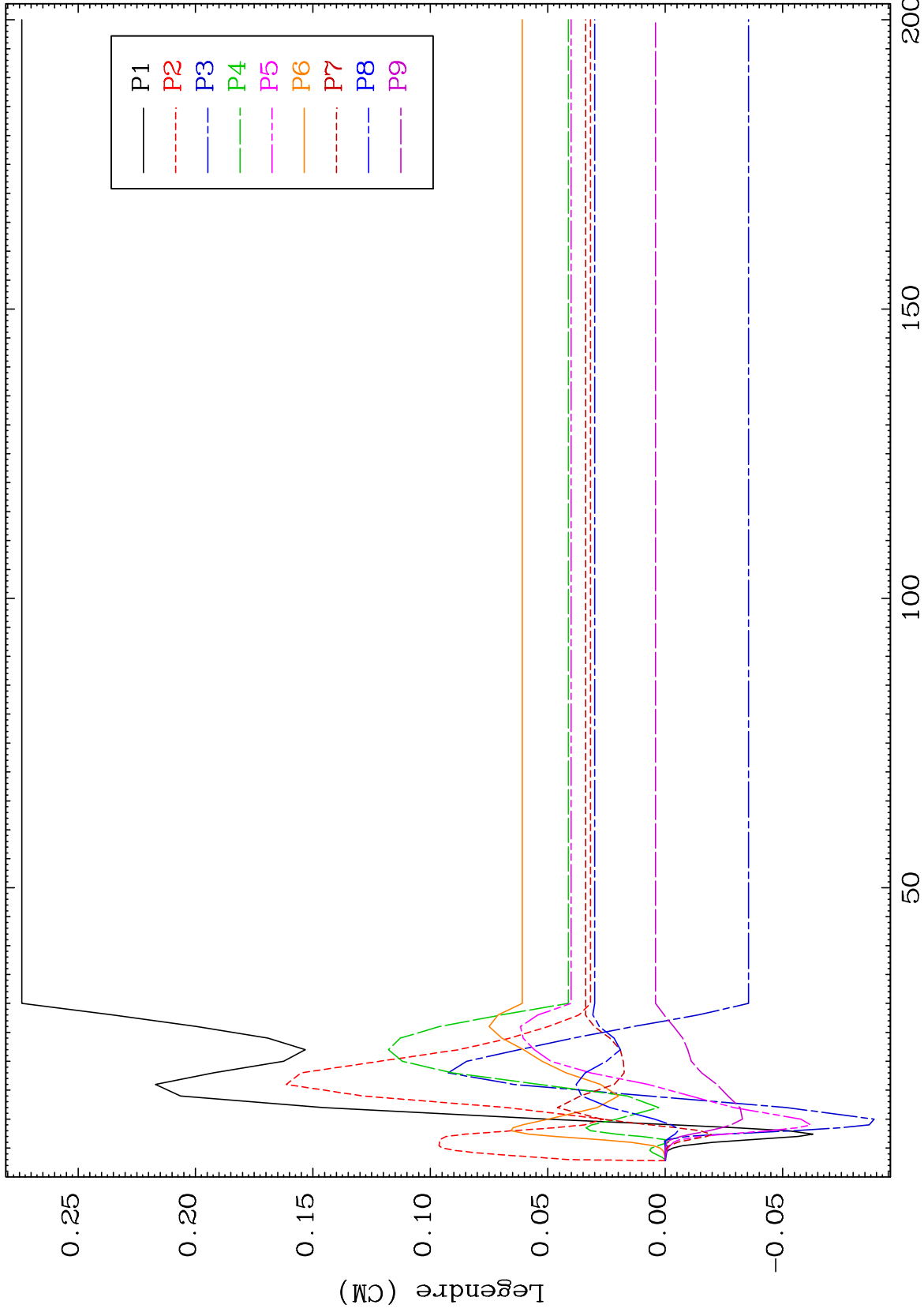


48-Cd-118

MAT 4861

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

48-Cd-118



107

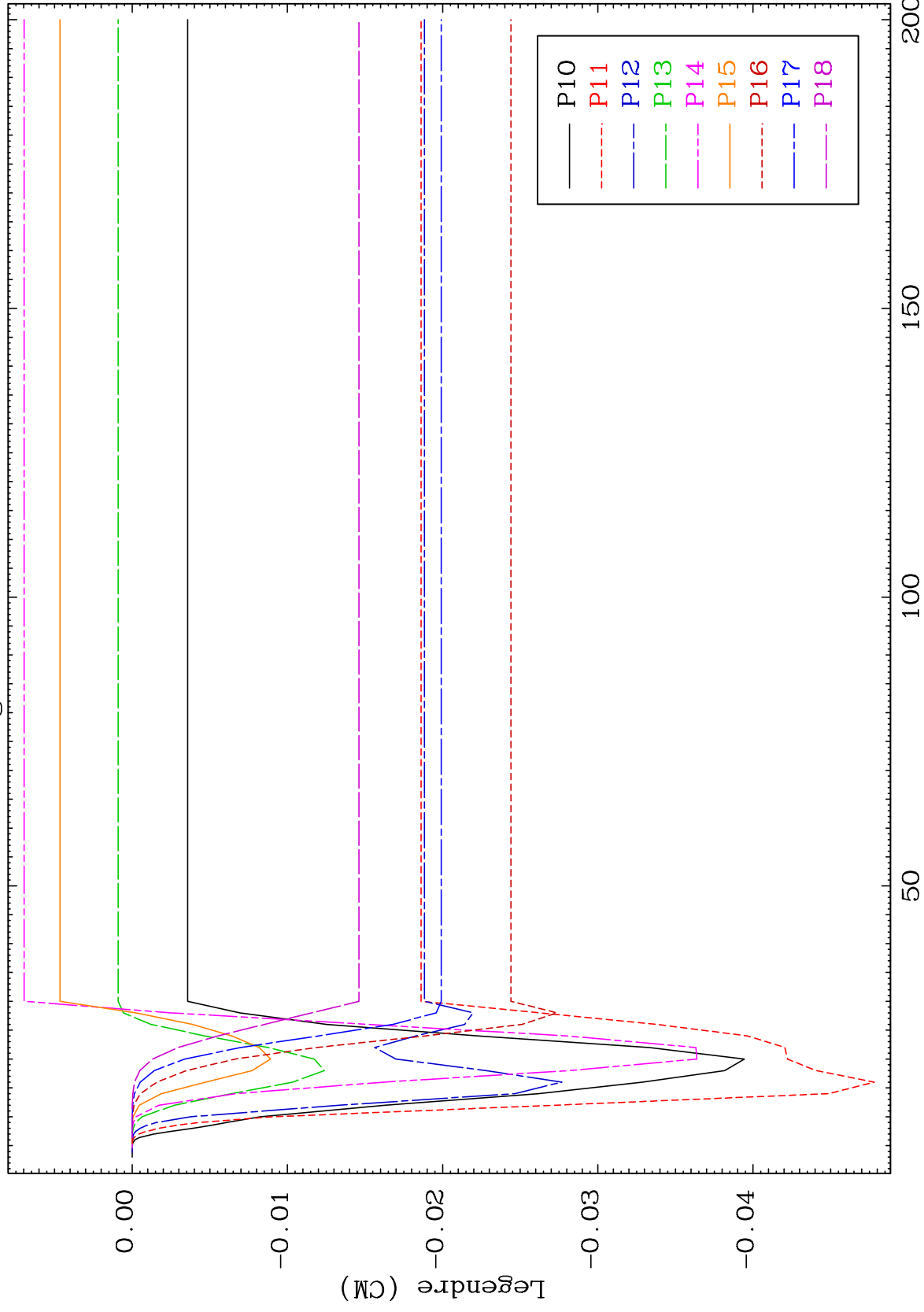
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

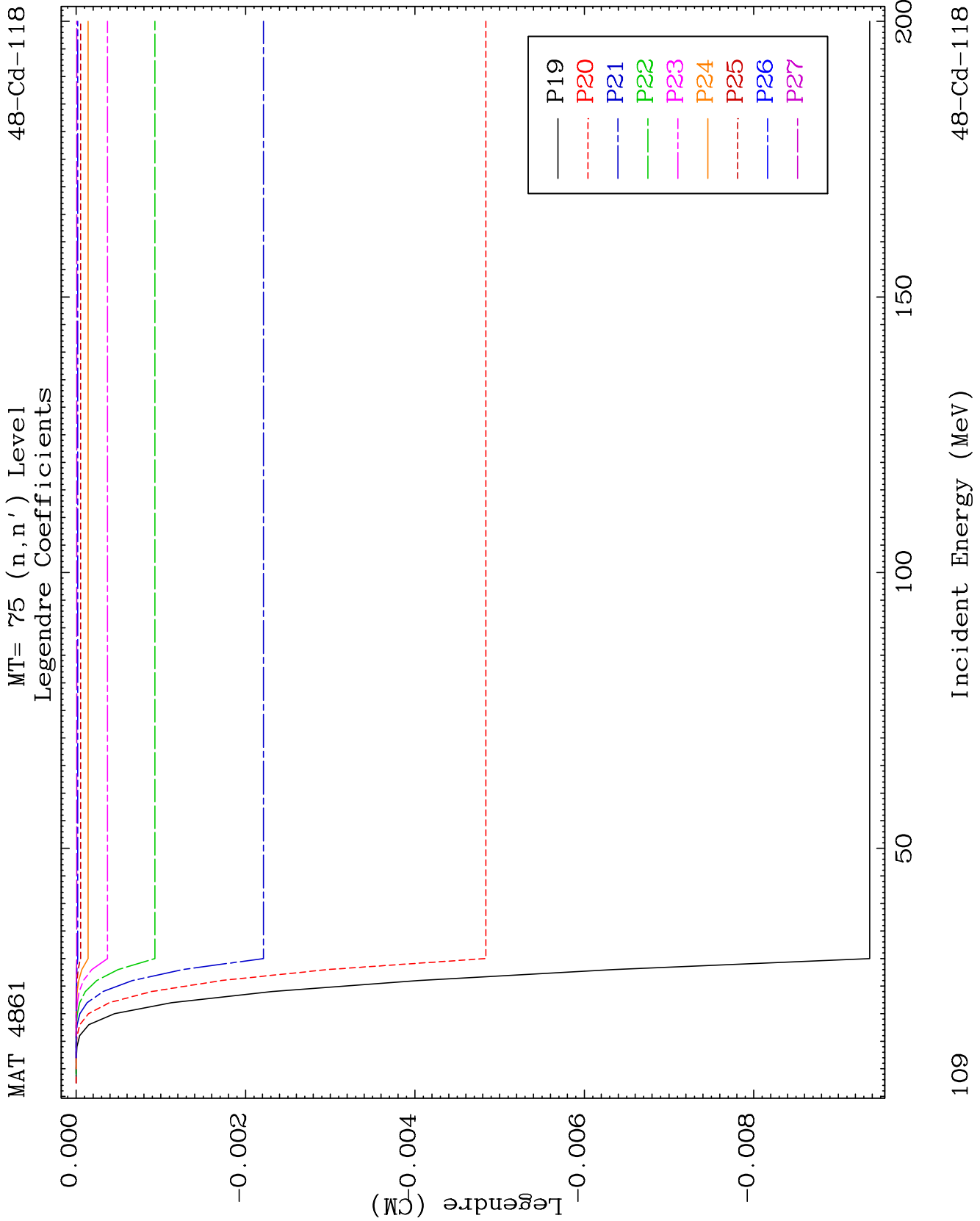
48-Cd-118



108

Incident Energy (MeV)

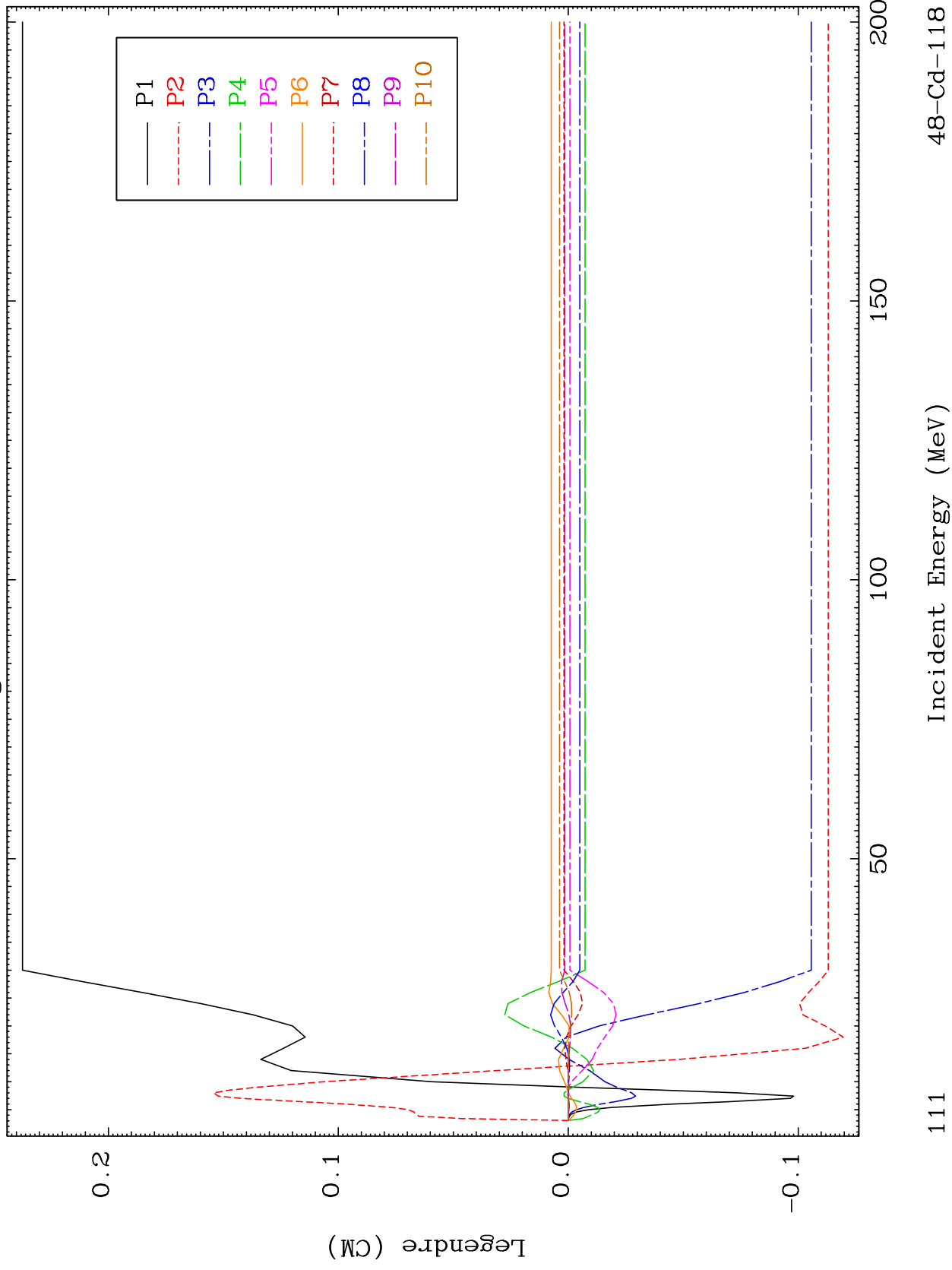
48-Cd-118



MAT 4861

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

48-Cd-118

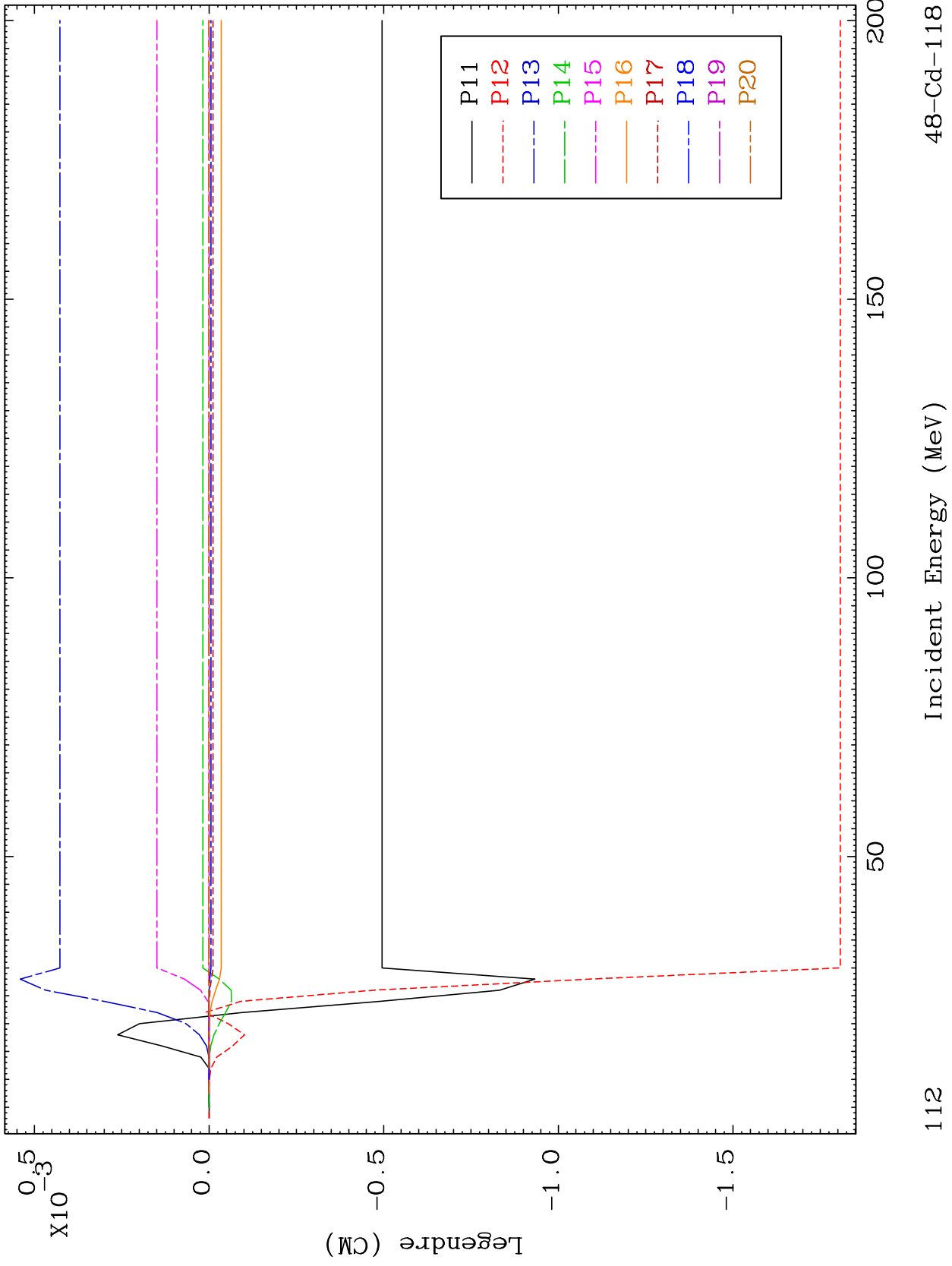


111

MAT 4861

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

48-Cd-118



112

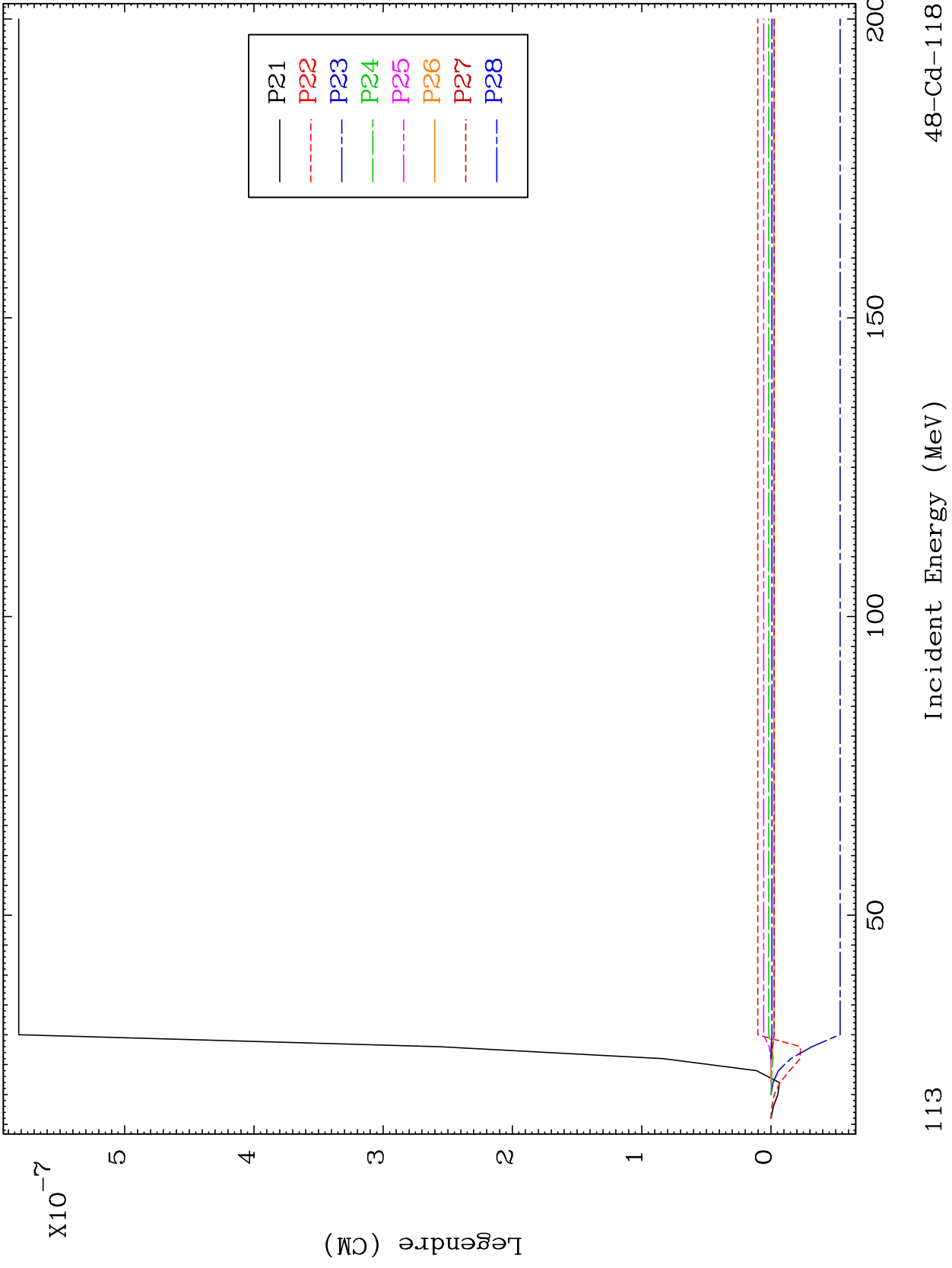
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



113

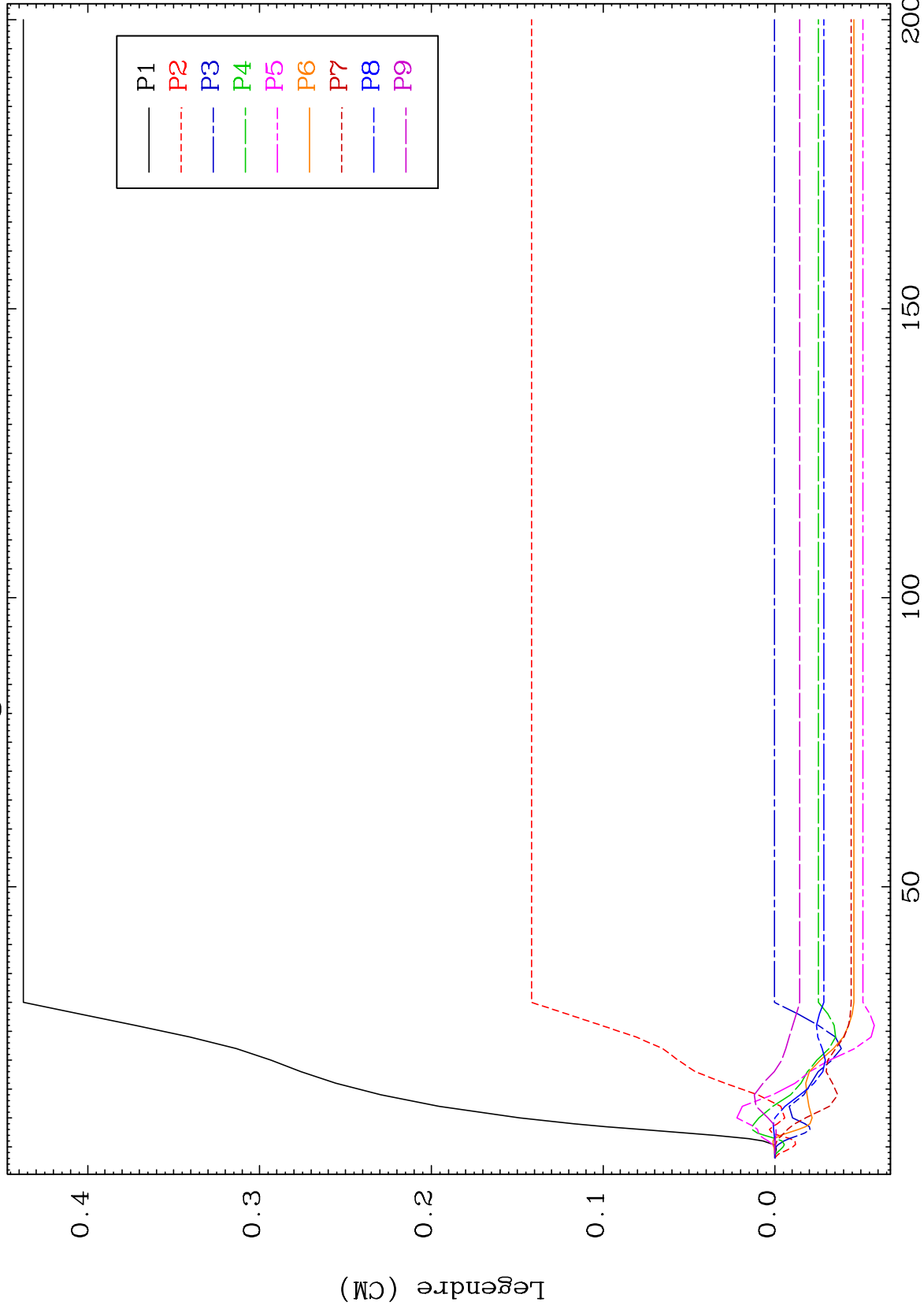
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



114

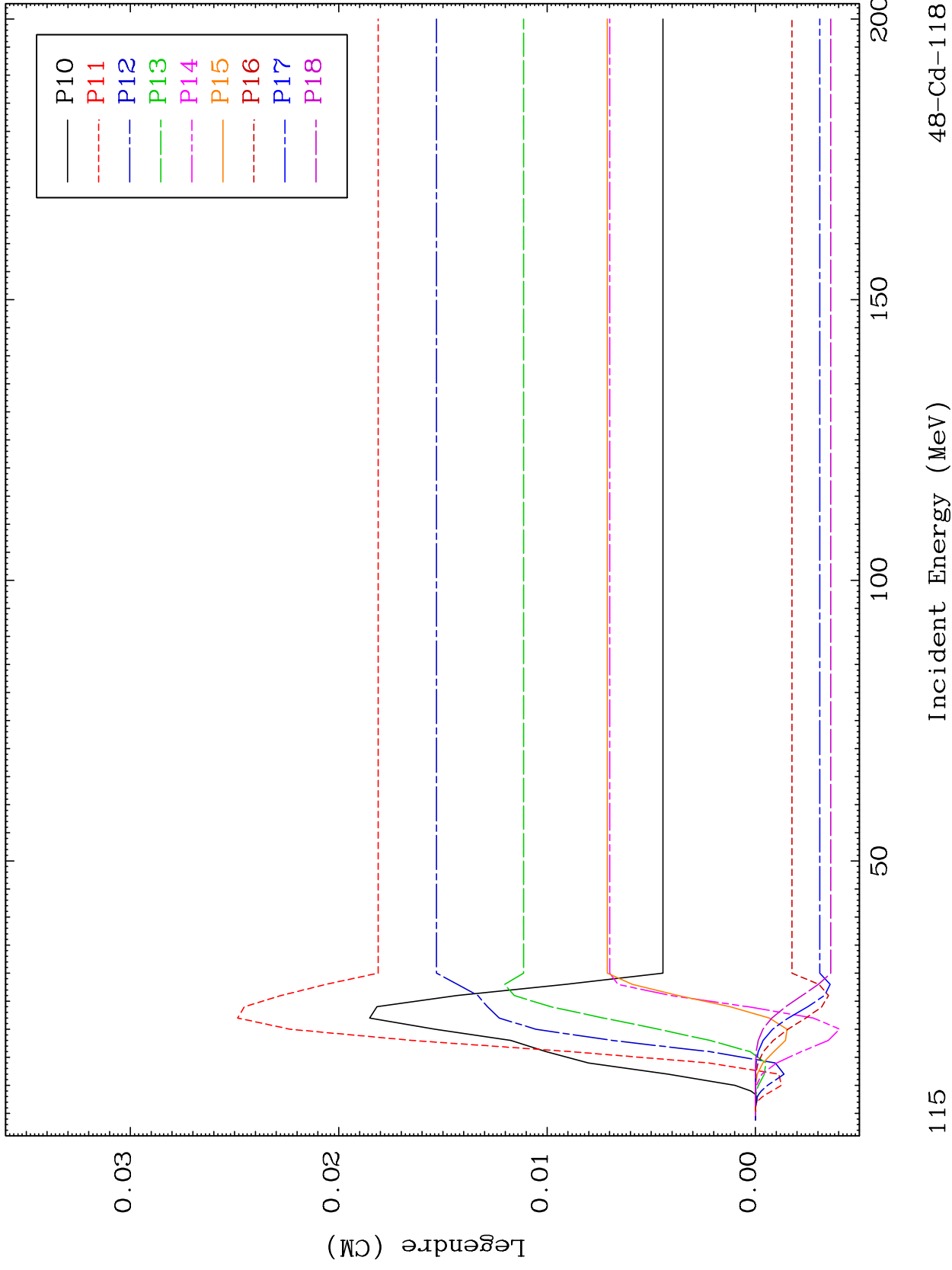
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118

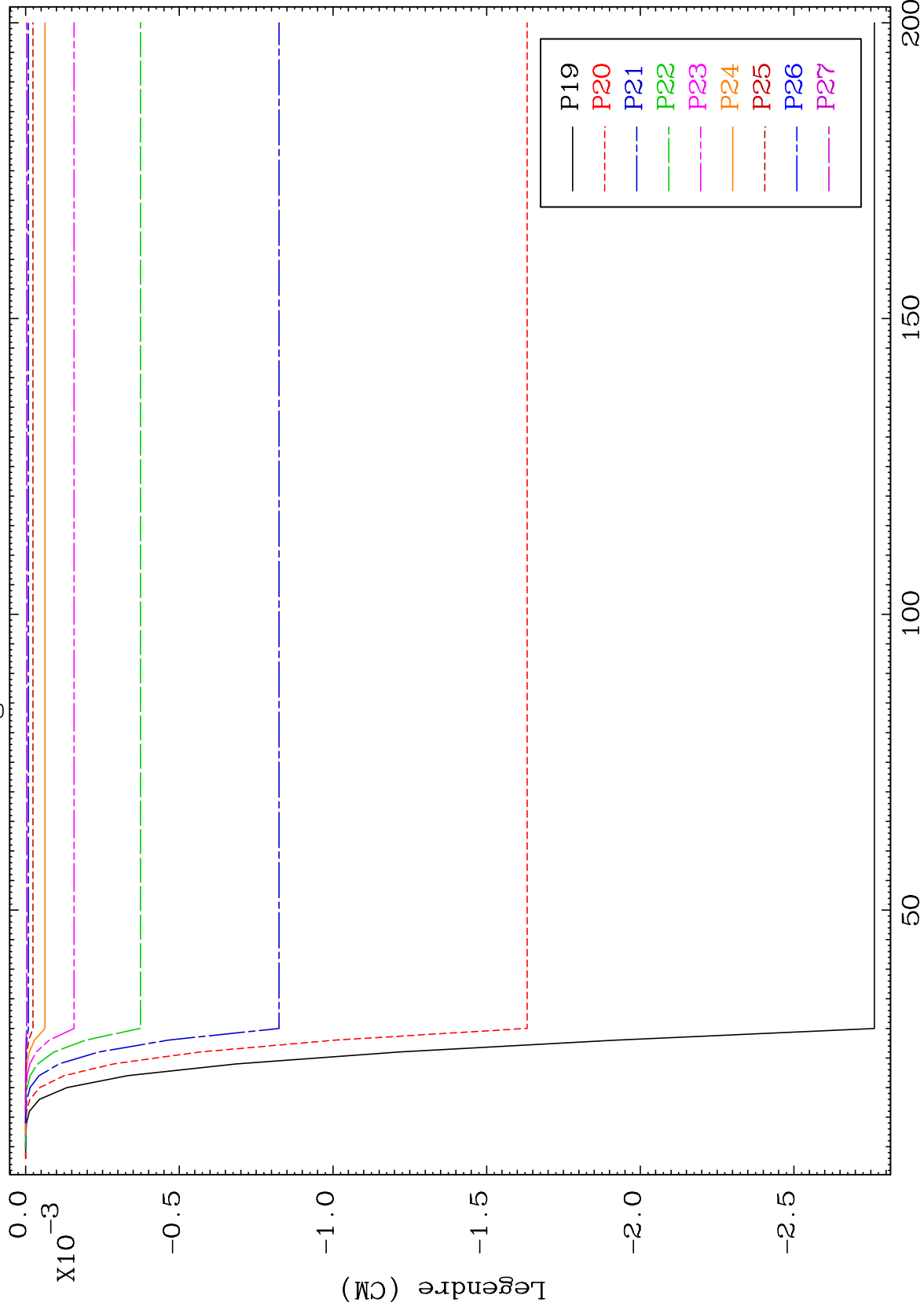


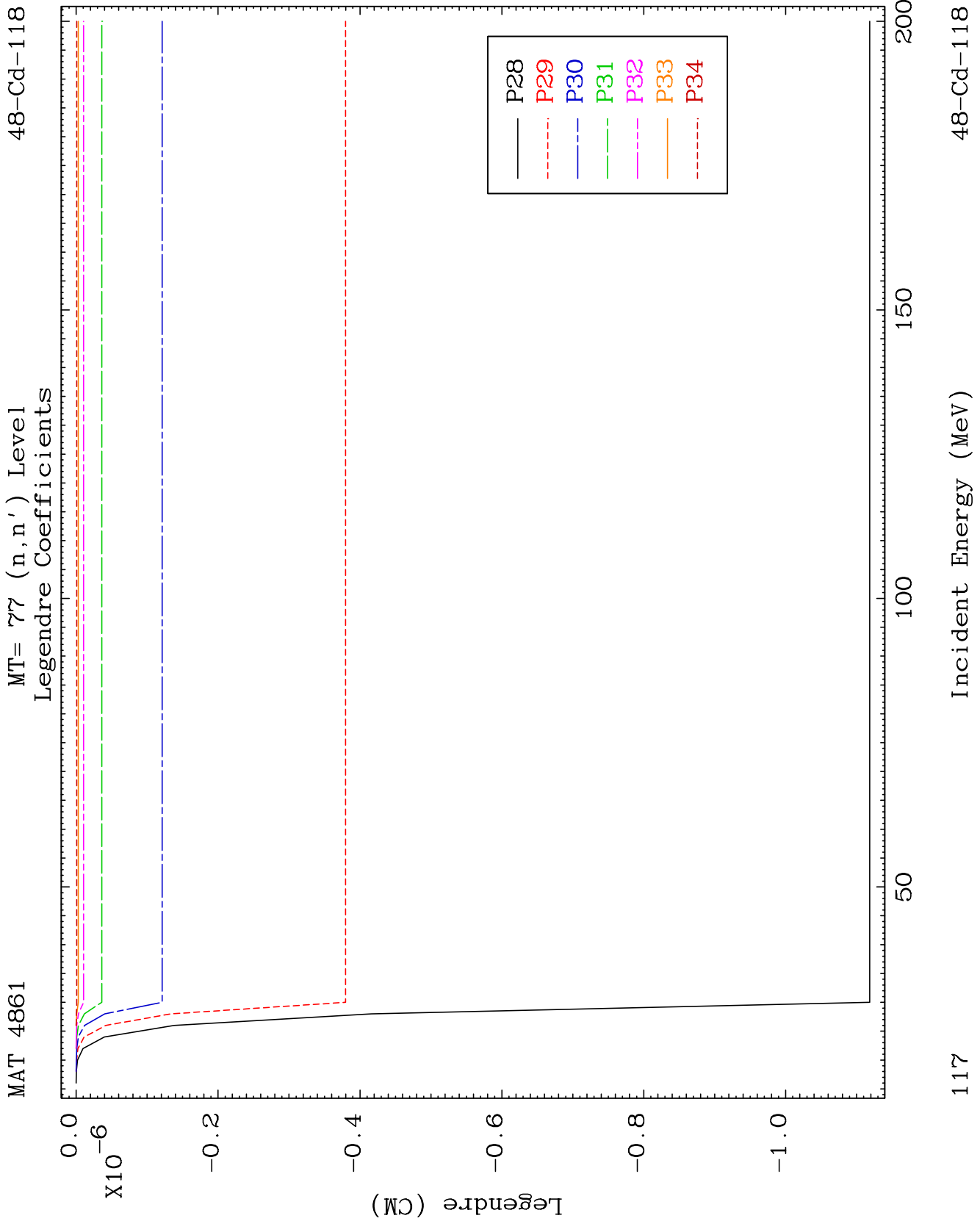
115

Incident Energy (MeV)

48-Cd-118

Legendre Coefficients

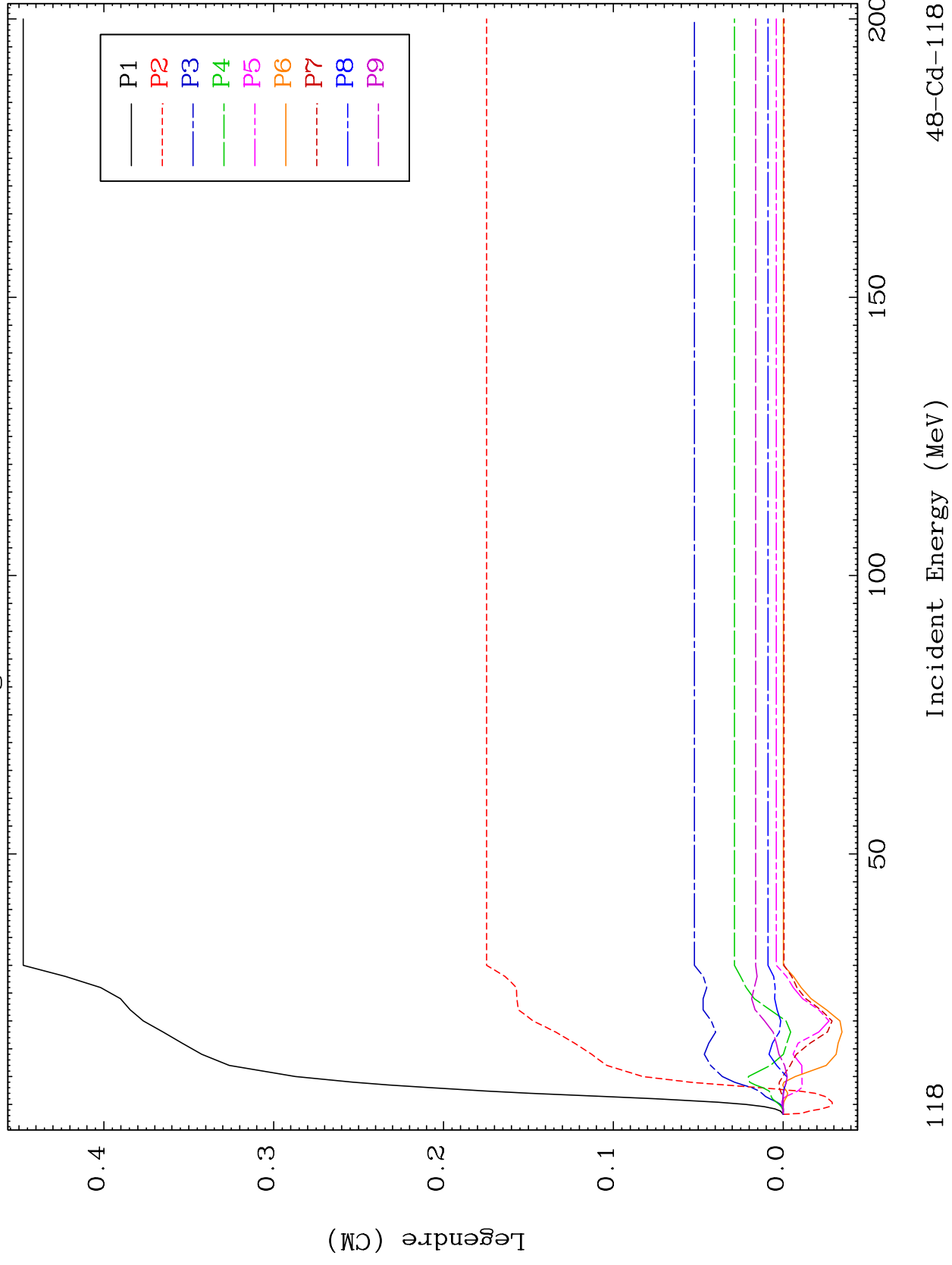




MAT 4861

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

48-Cd-118



48-Cd-118

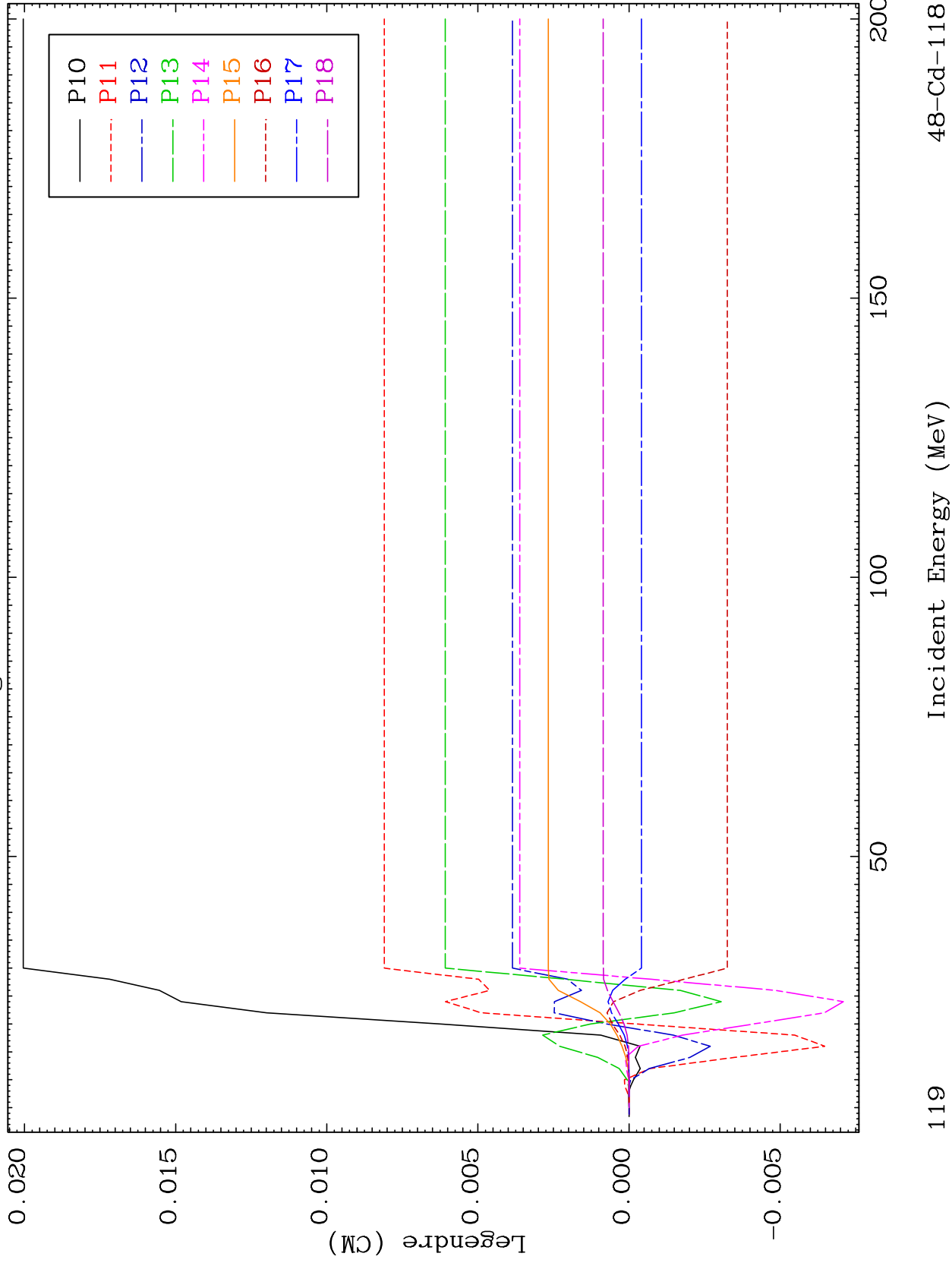
Incident Energy (MeV)

118

MAT 4861

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

48-Cd-118



119

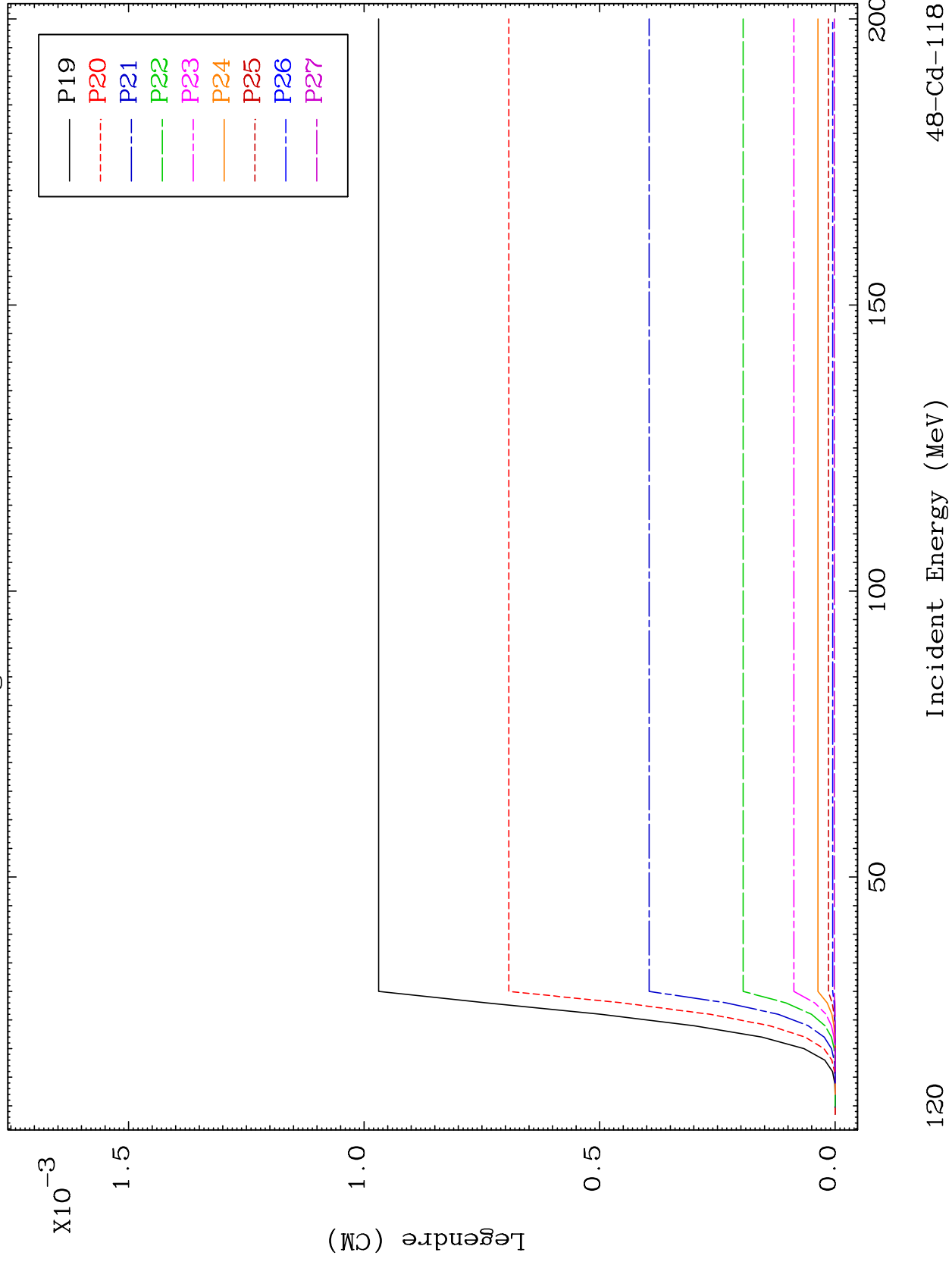
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

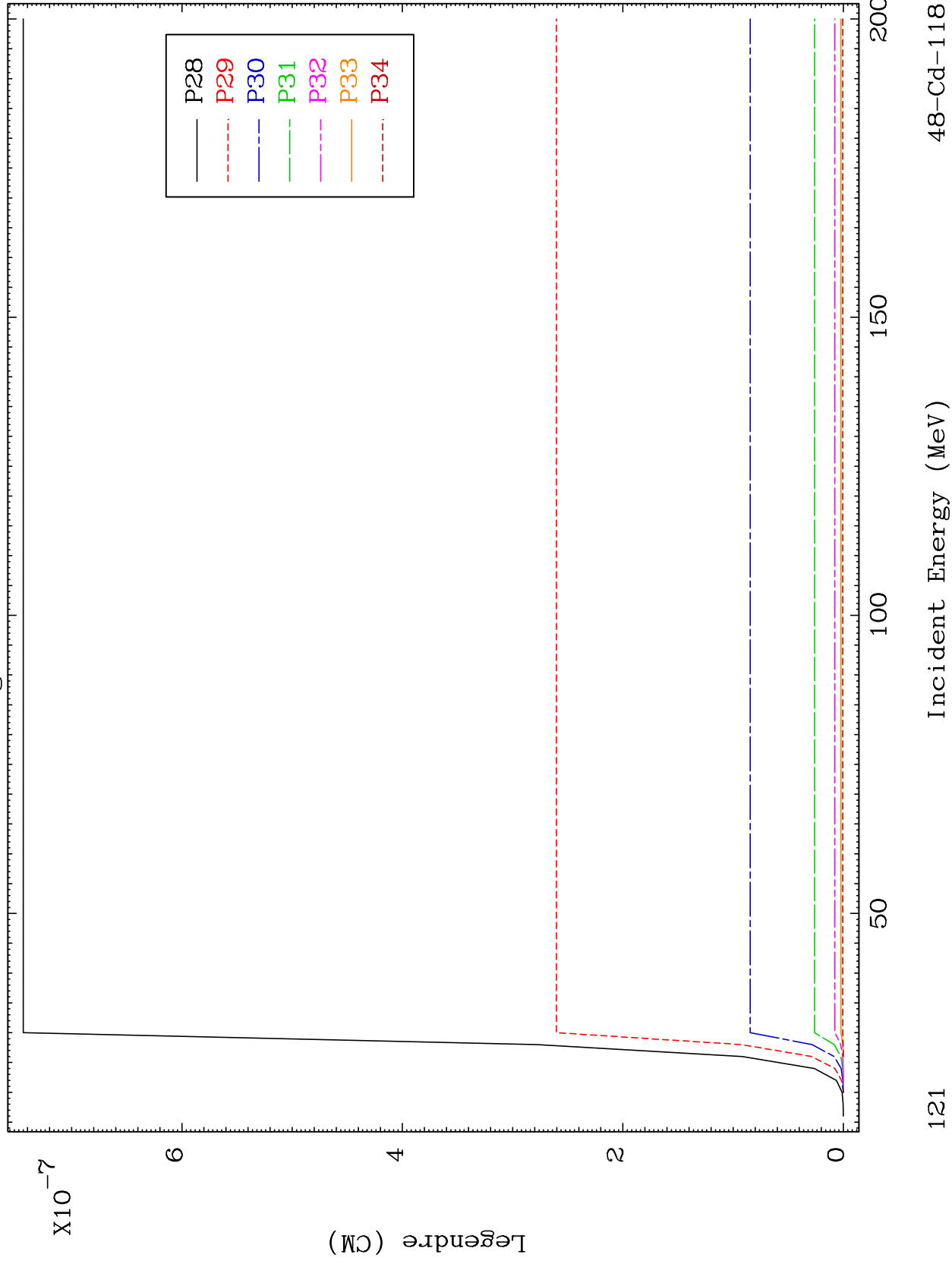
48-Cd-118



MAT 4861

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

48-Cd-118



121

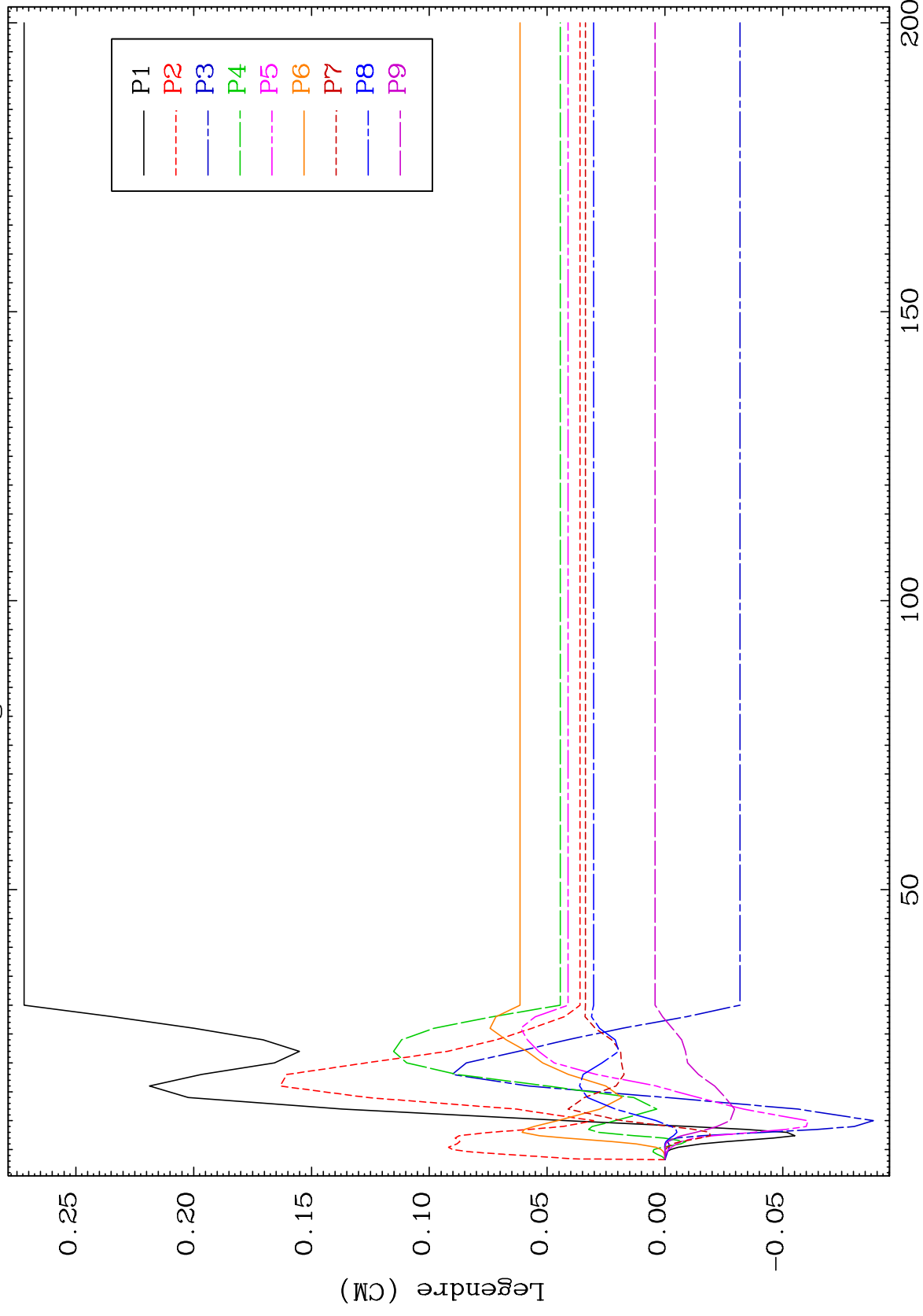
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



122

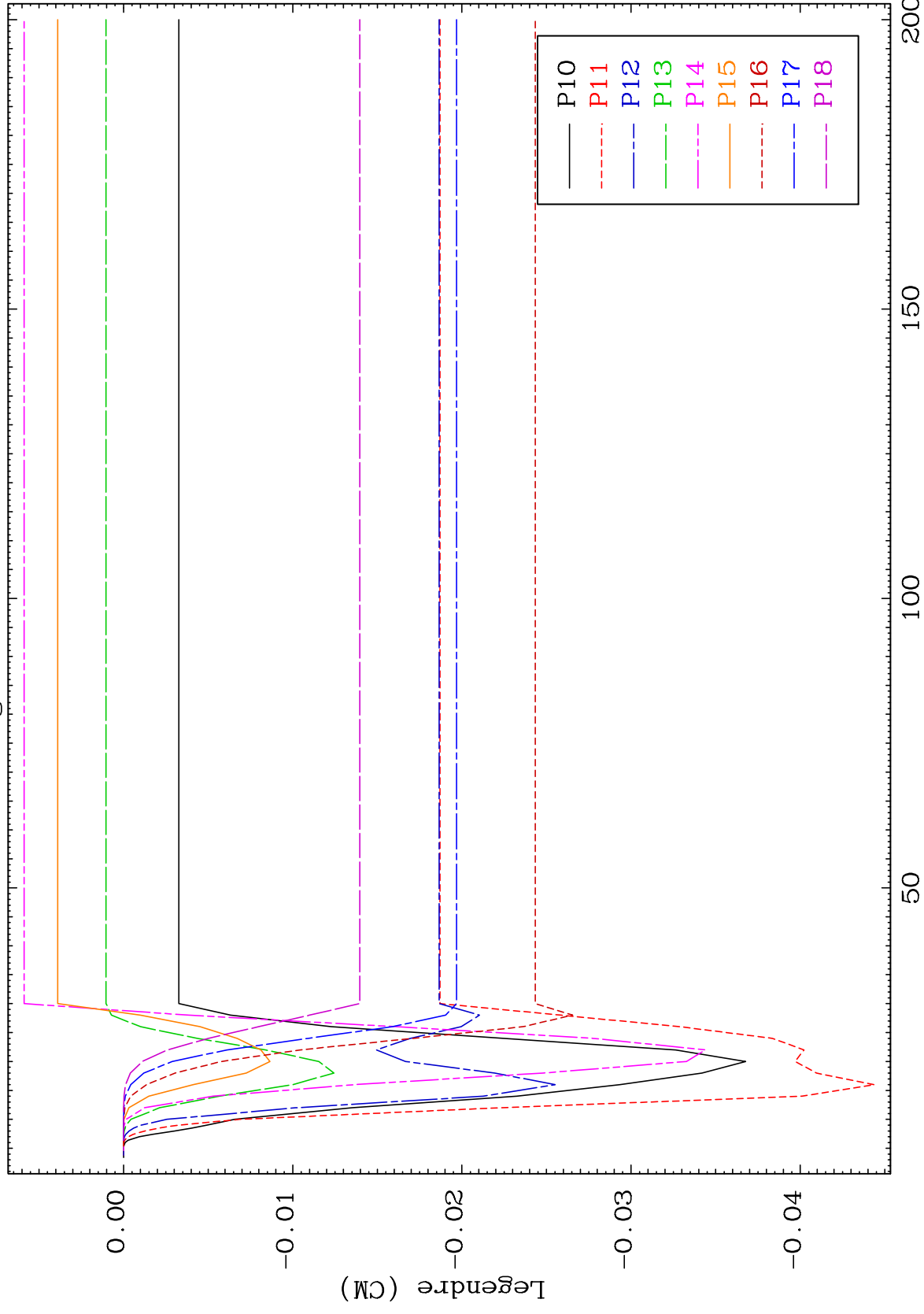
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

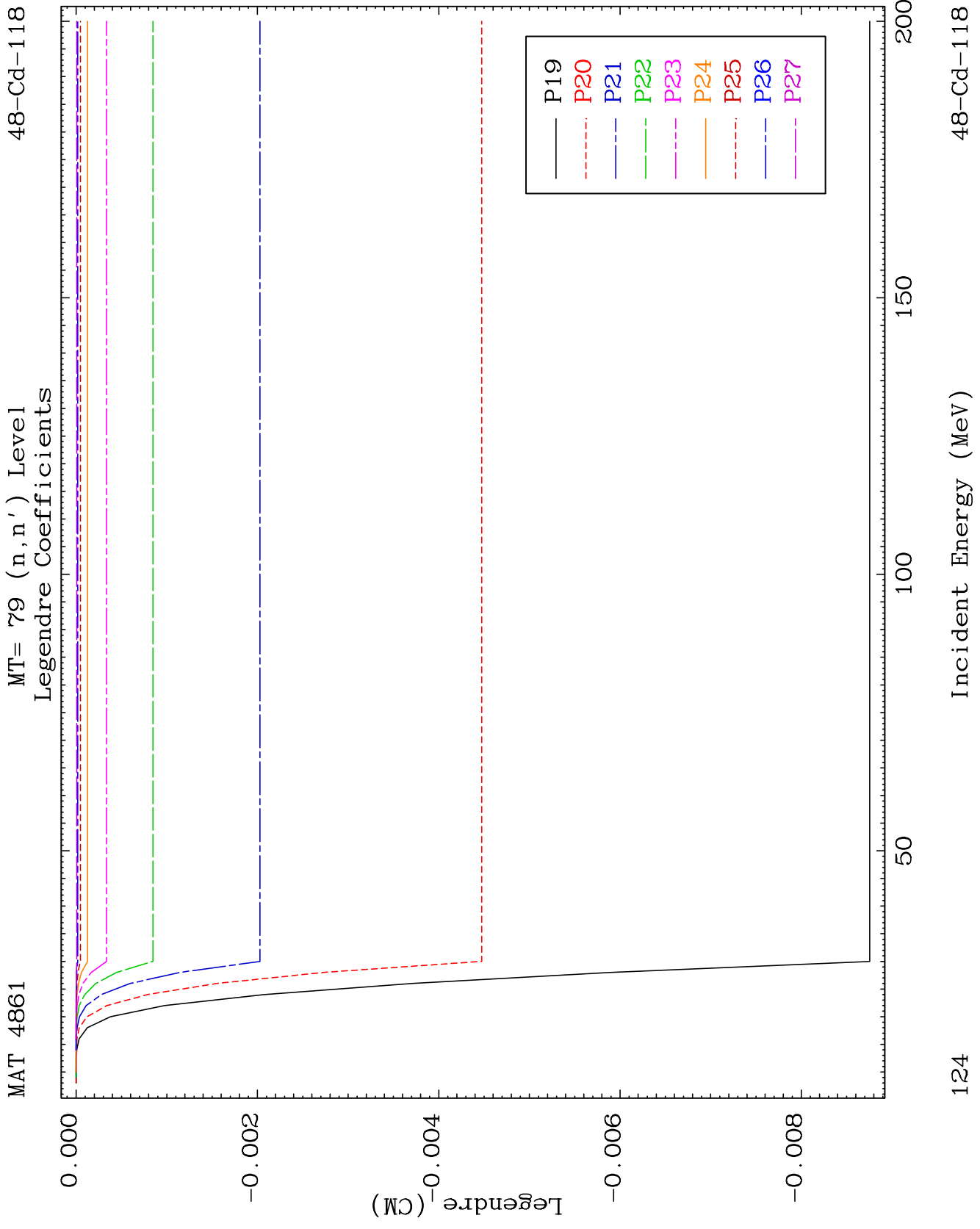
48-Cd-118



123

Incident Energy (MeV)

48-Cd-118

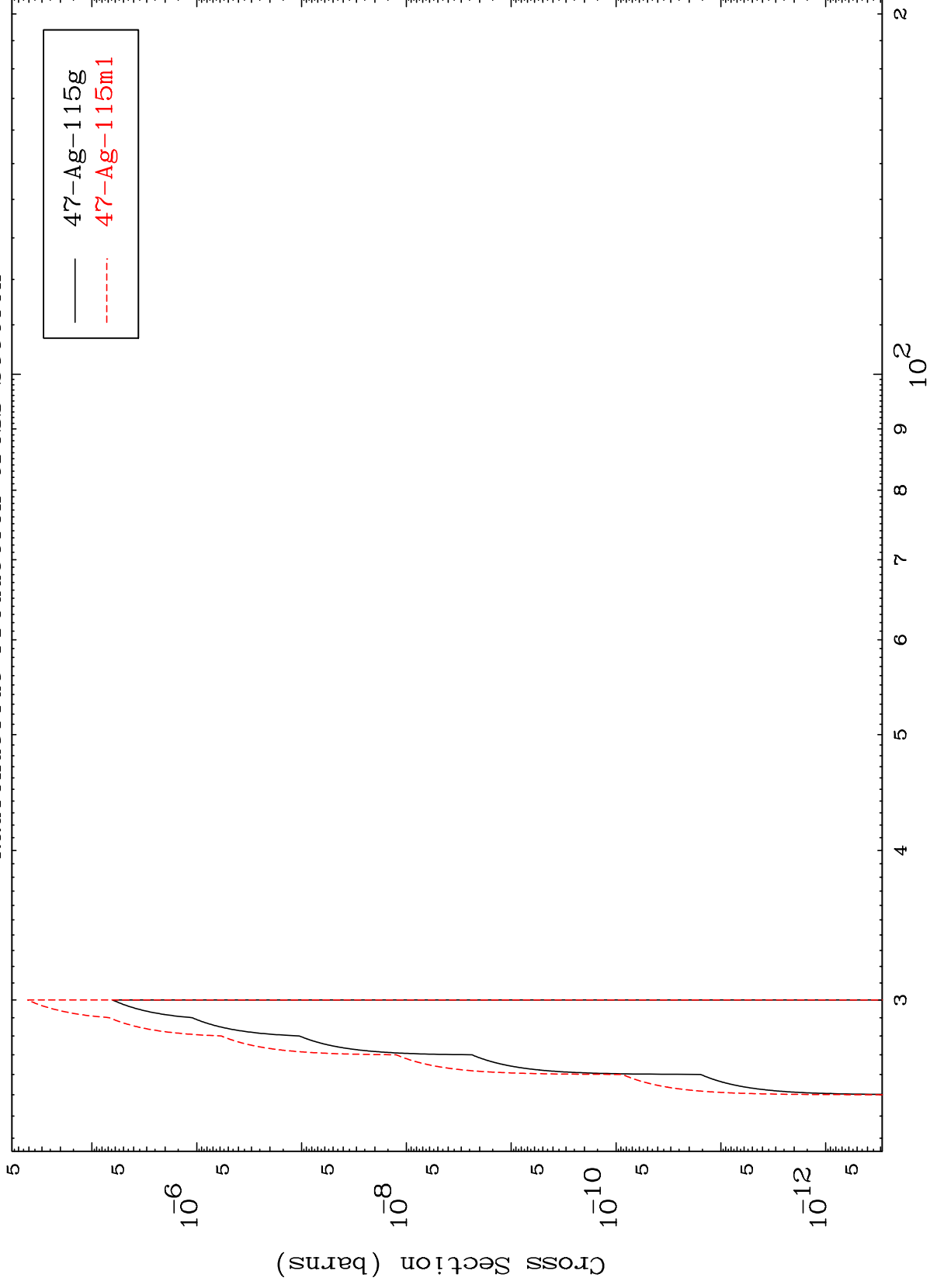


MAT 4861

(n,2n) d

48-Cd-118

Radionuclide Production Cross Section



126

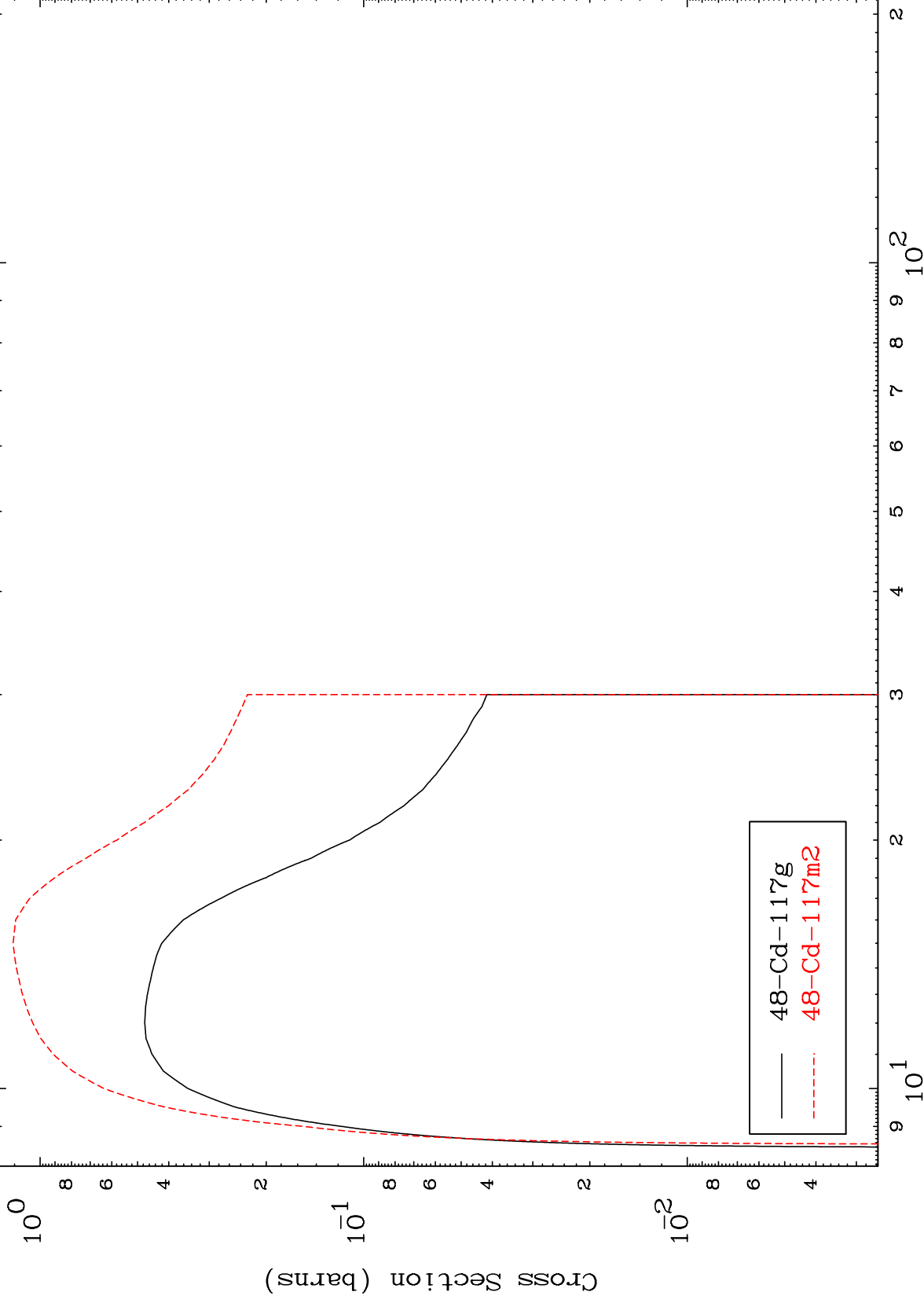
Incident Energy (MeV)

48-Cd-118

MAT 4861

48-Cd-118

(n,2n)
Radionuclide Production Cross Section



127

Incident Energy (MeV)

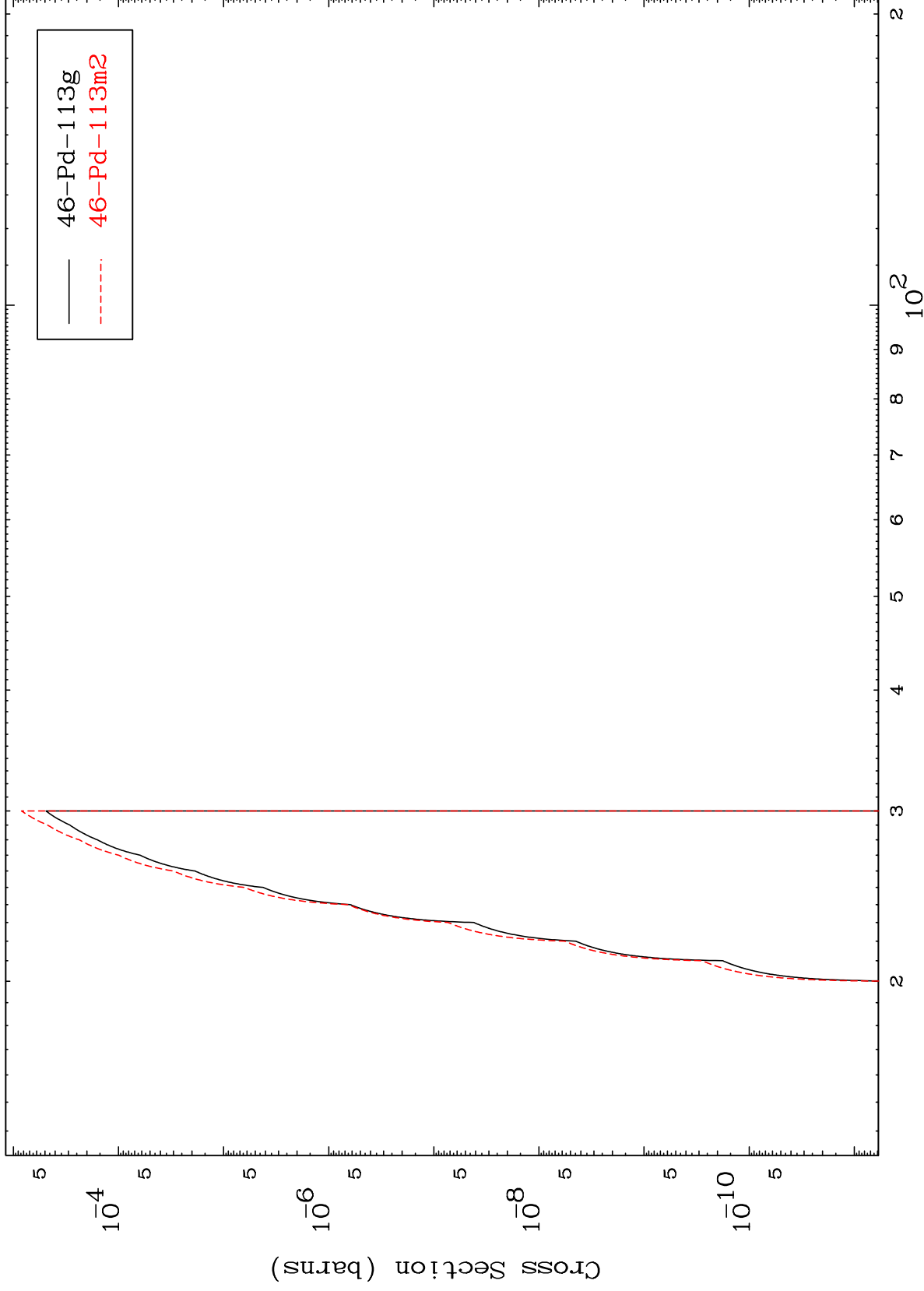
48-Cd-118

MAT 4861

(n,2n) α

48-Cd-118

Radionuclide Production Cross Section

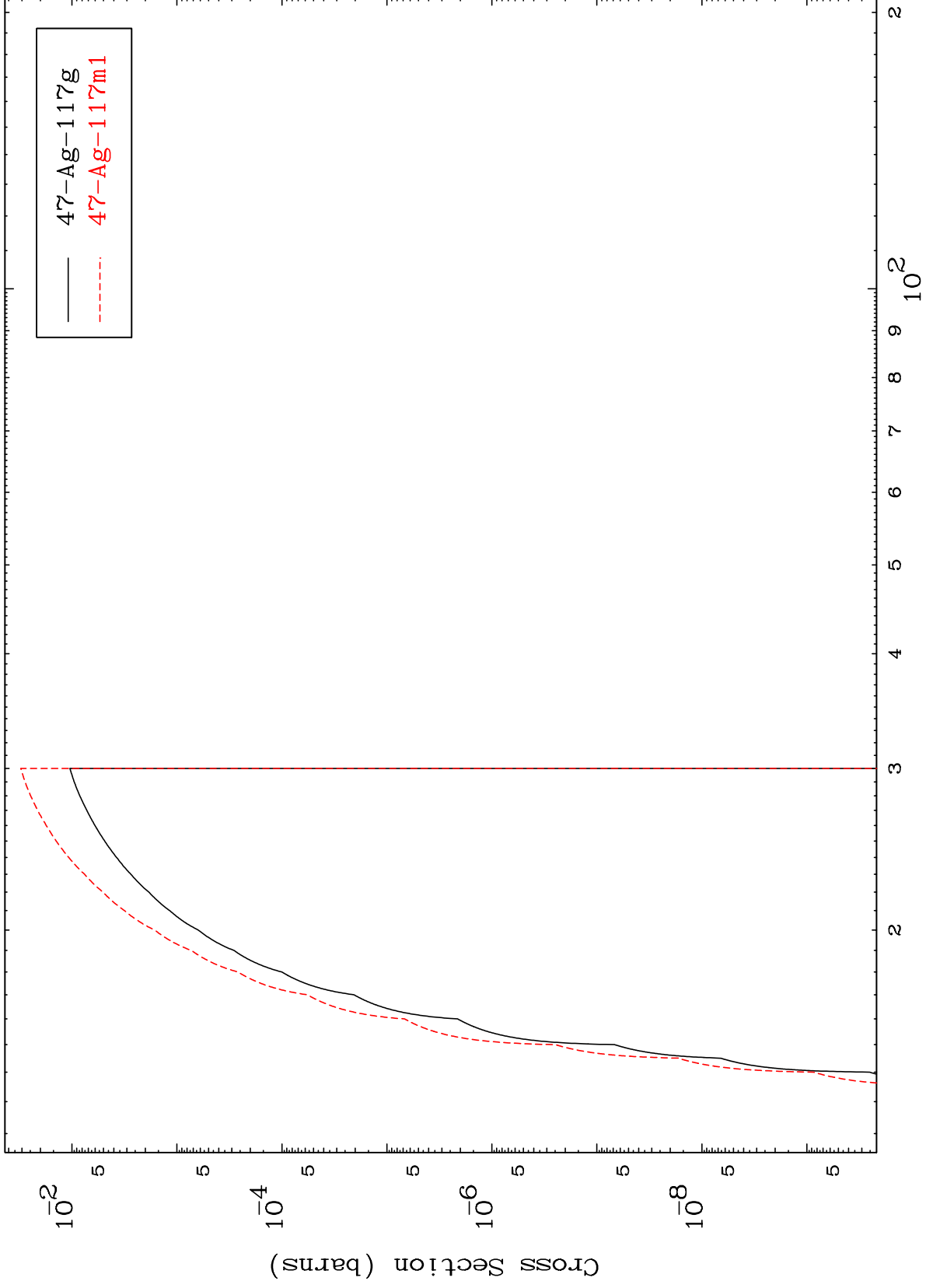


128

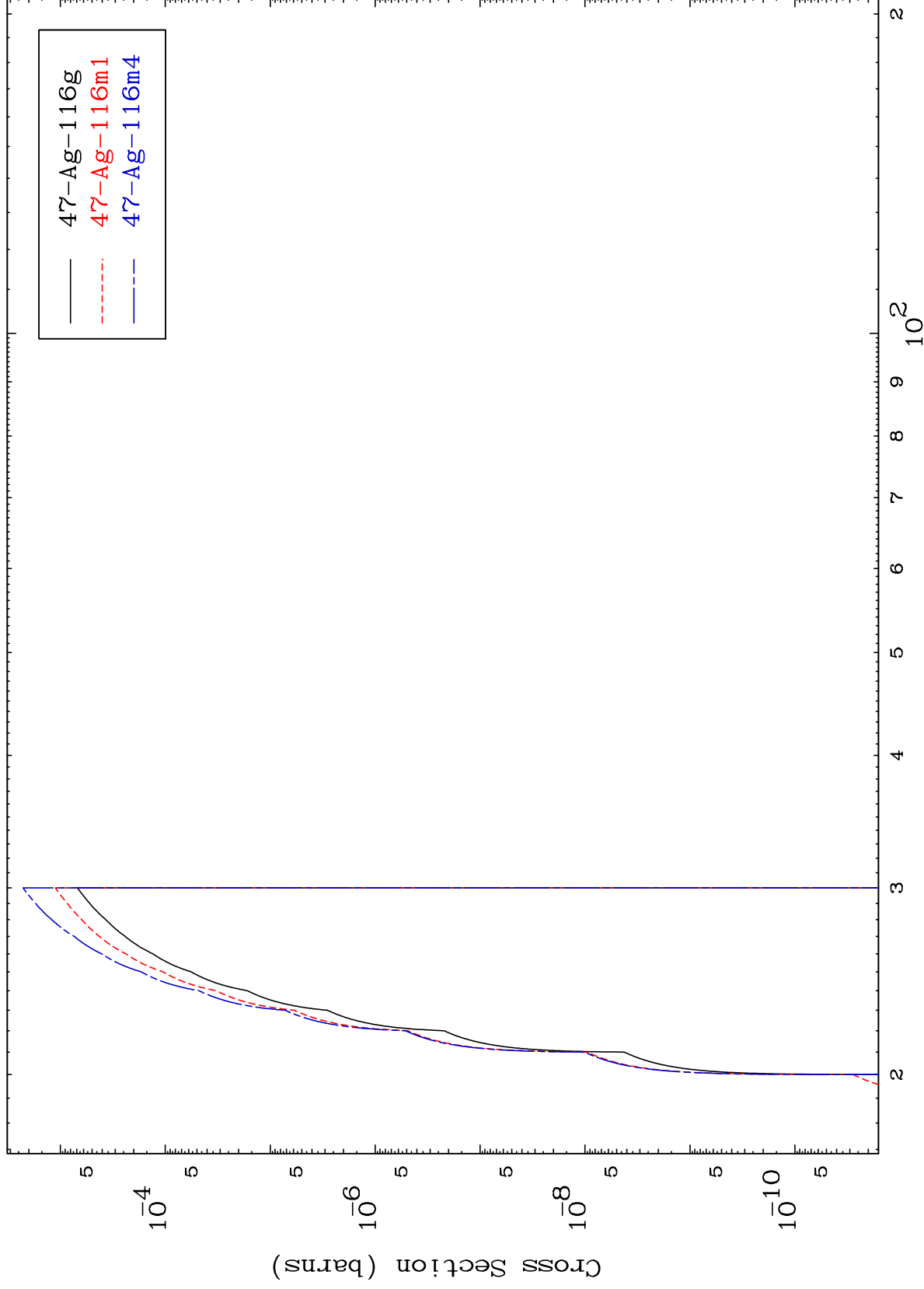
Incident Energy (MeV)

48-Cd-118

Radionuclide Production Cross Section



Radionuclide Production Cross Section

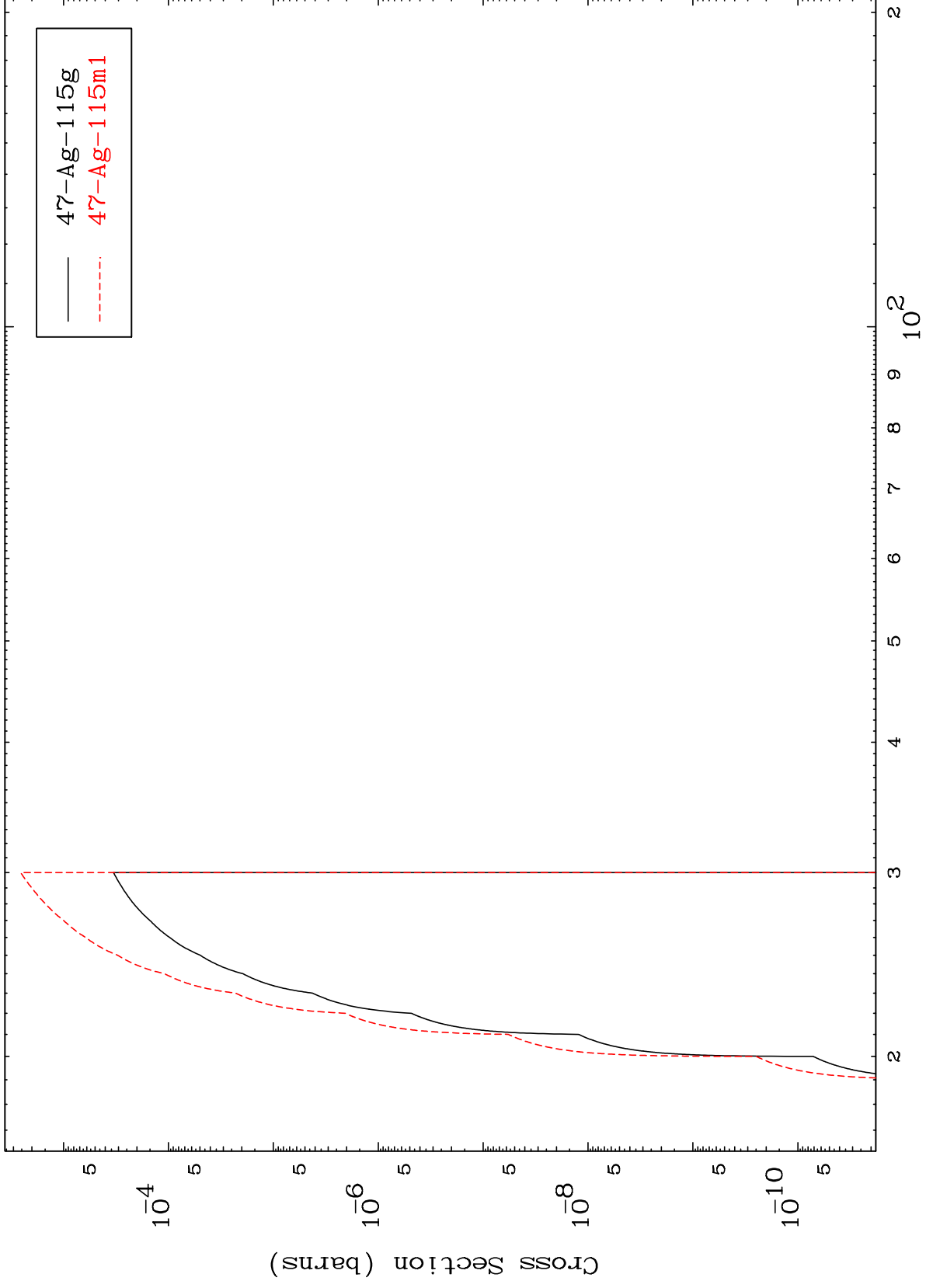


MAT 4861

(n,n') t

48-Cd-118

Radionuclide Production Cross Section



131

Incident Energy (MeV)

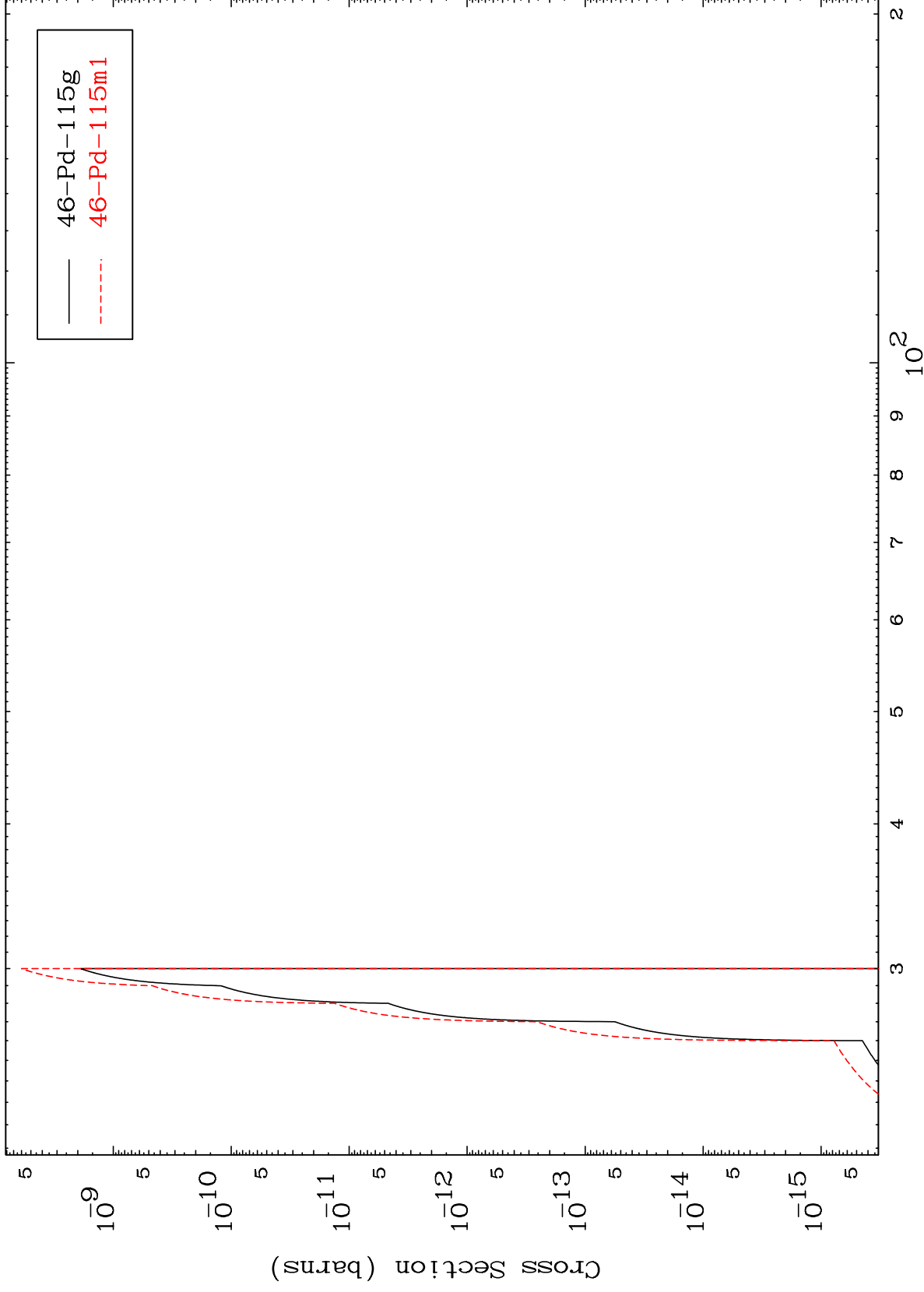
48-Cd-118

MAT 4861

(n,n') He-3

48-Cd-118

Radionuclide Production Cross Section

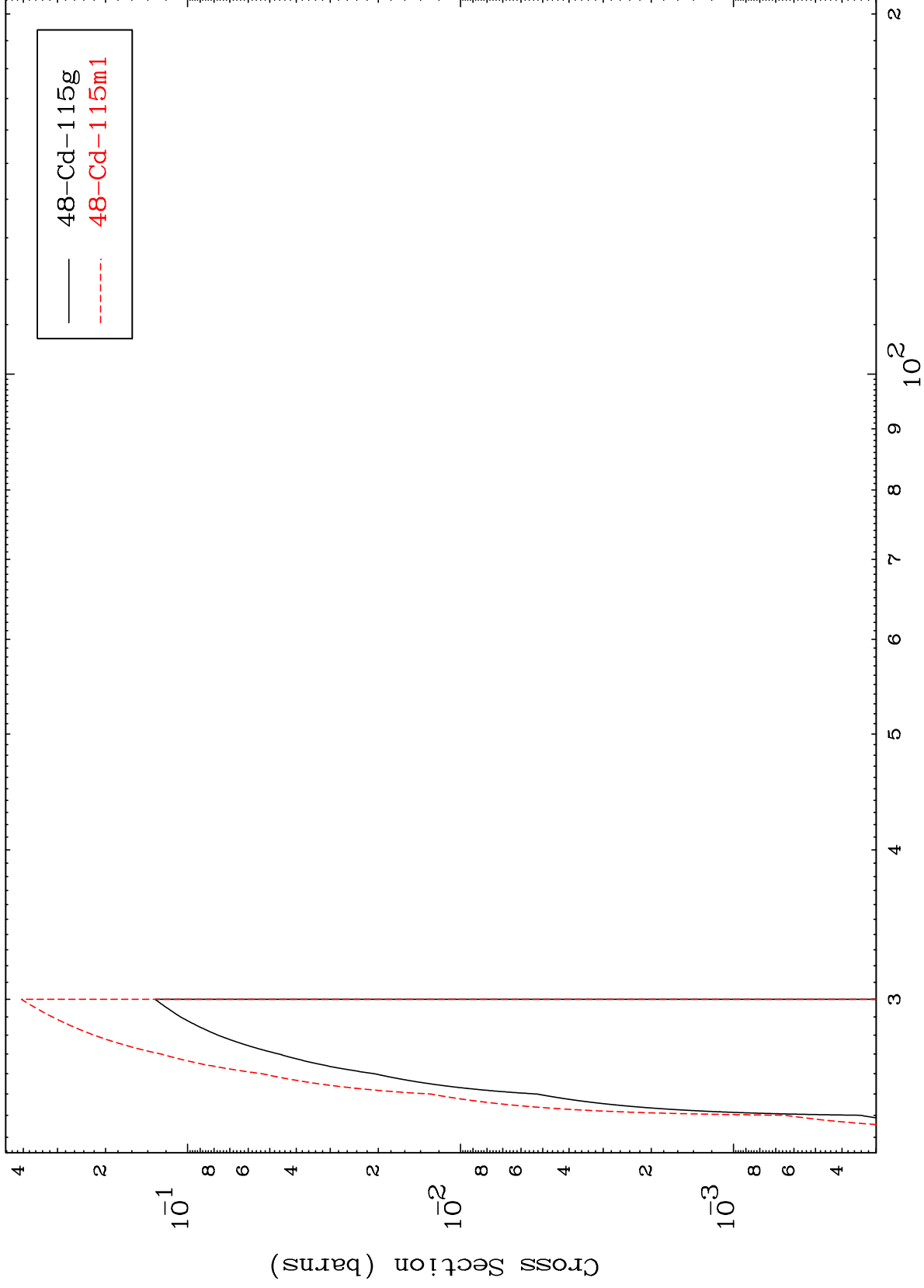


132

Incident Energy (MeV)

48-Cd-118

Radionuclide Production Cross Section

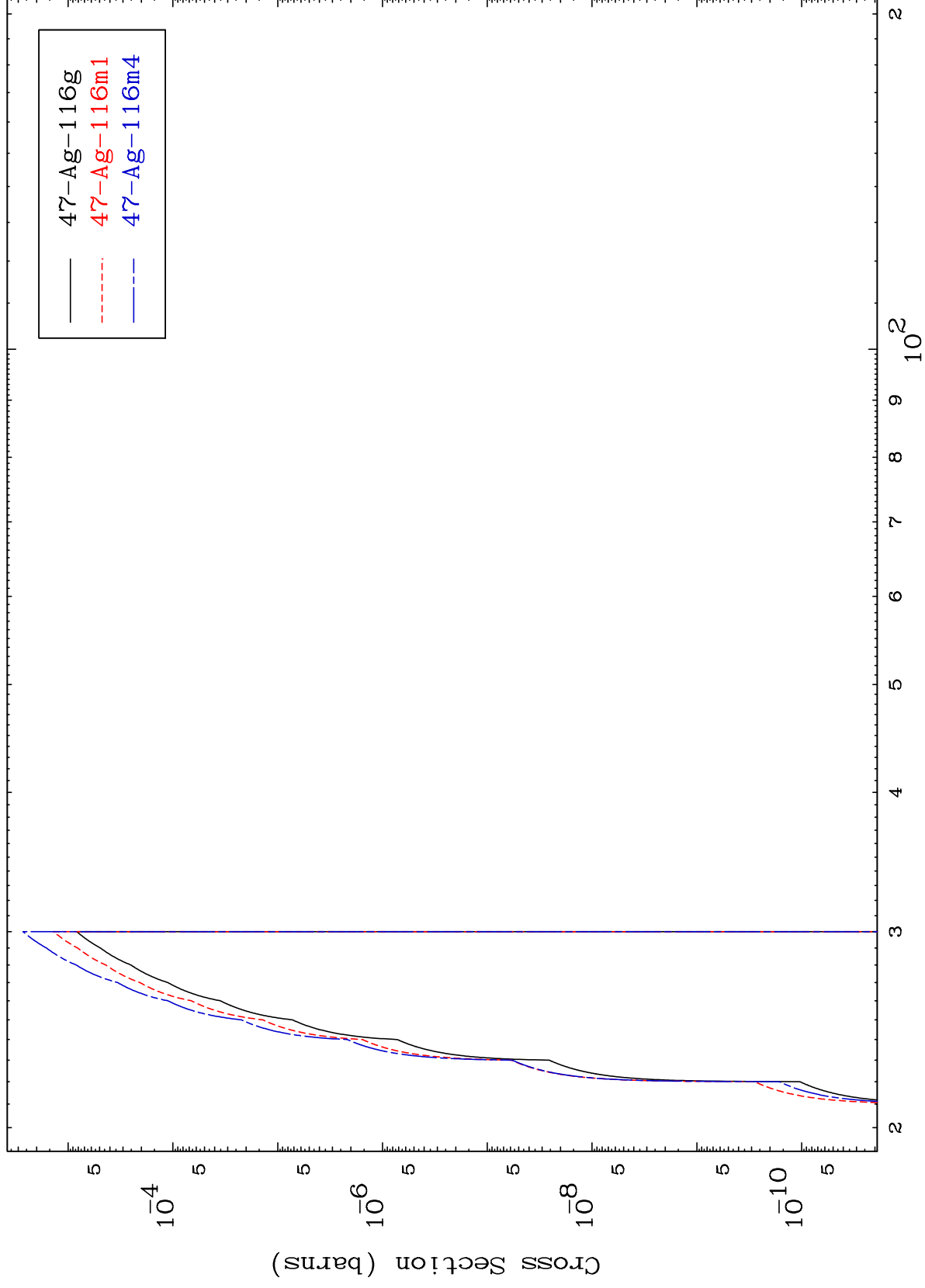


MAT 4861

(n,2n) p

48-Cd-118

Radionuclide Production Cross Section



134

Incident Energy (MeV)

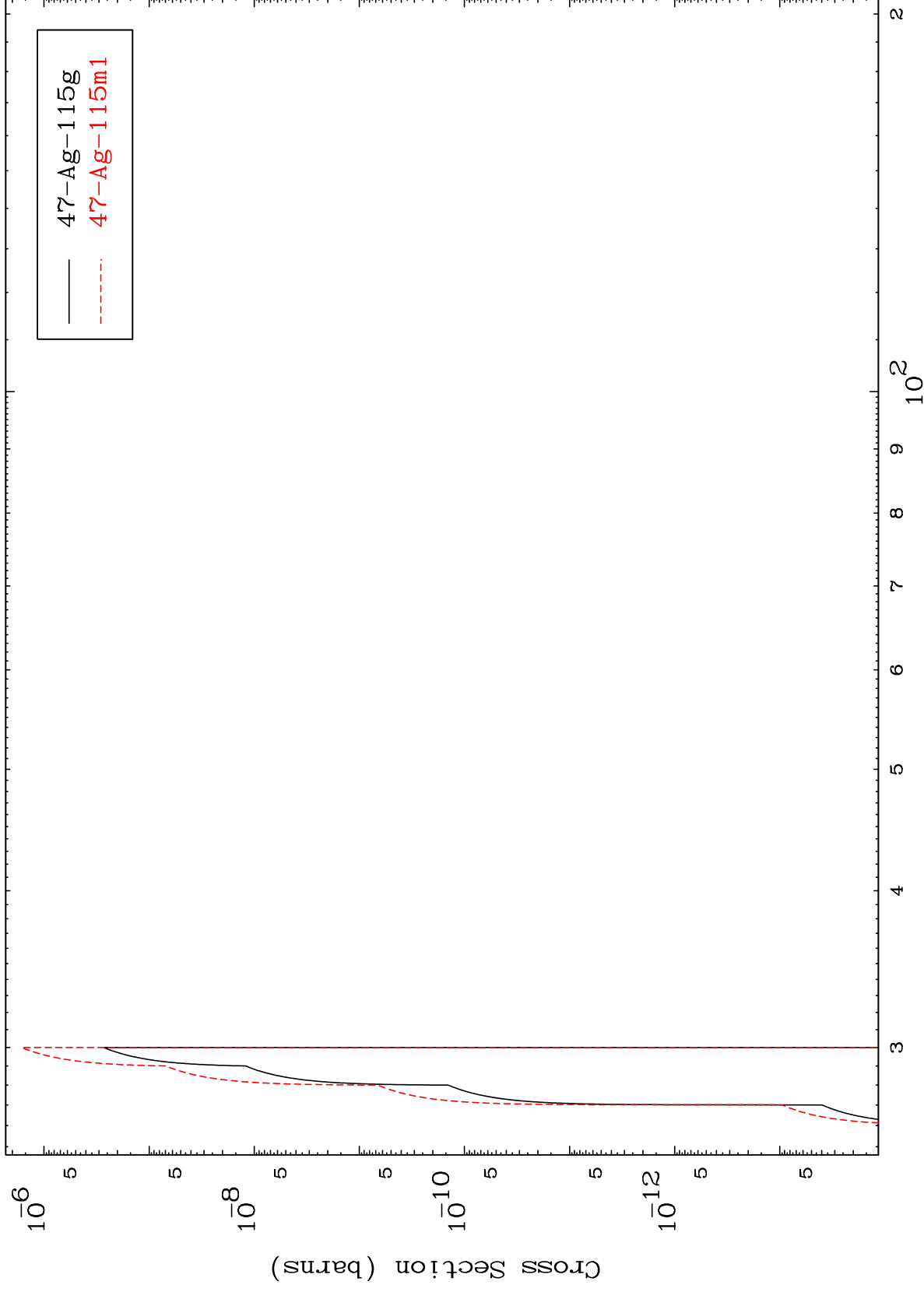
48-Cd-118

MAT 4861

(n,3n) p

48-Cd-118

Radionuclide Production Cross Section



135

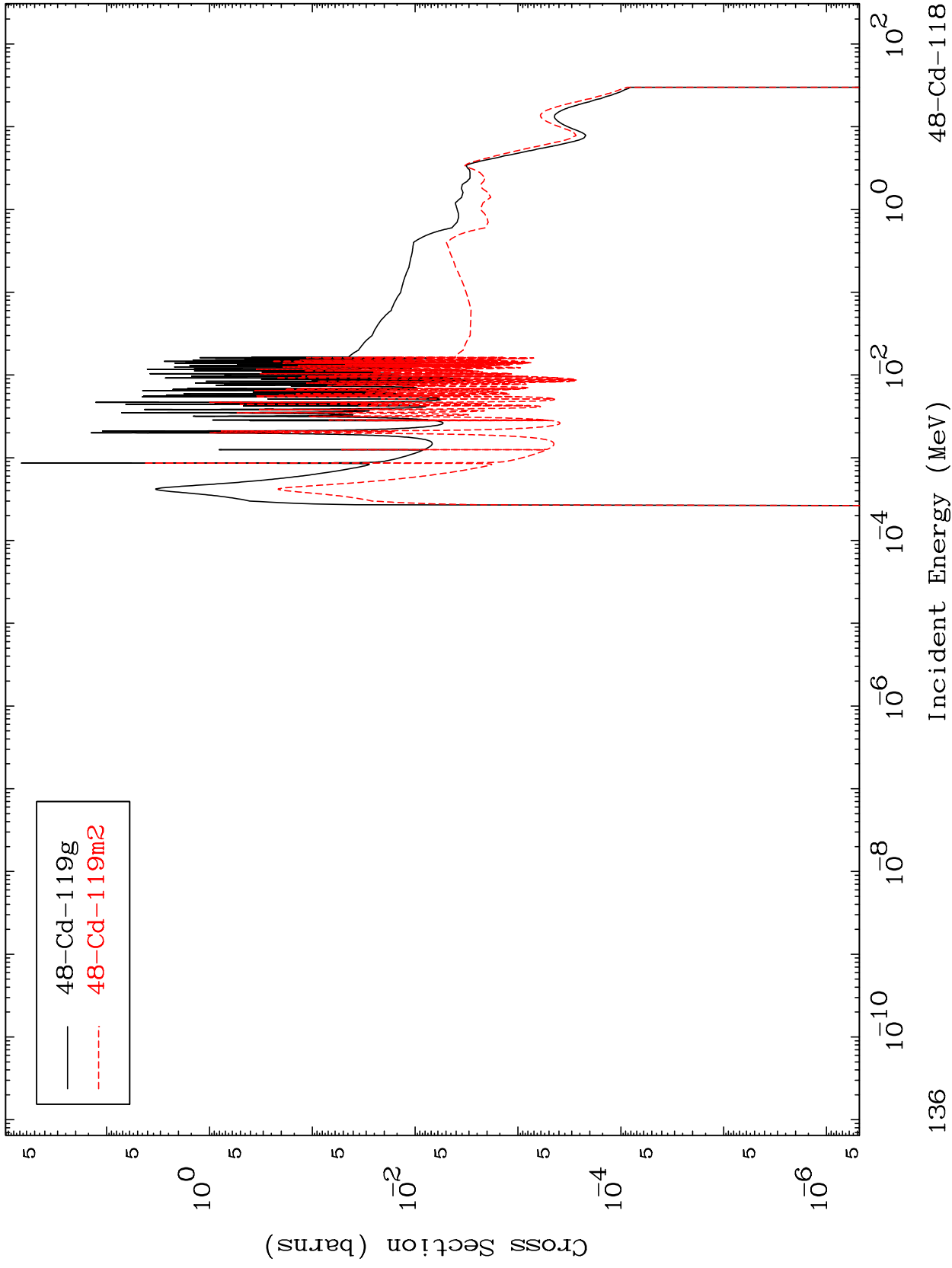
Incident Energy (MeV)

48-Cd-118

MAT 4861

48-Cd-118

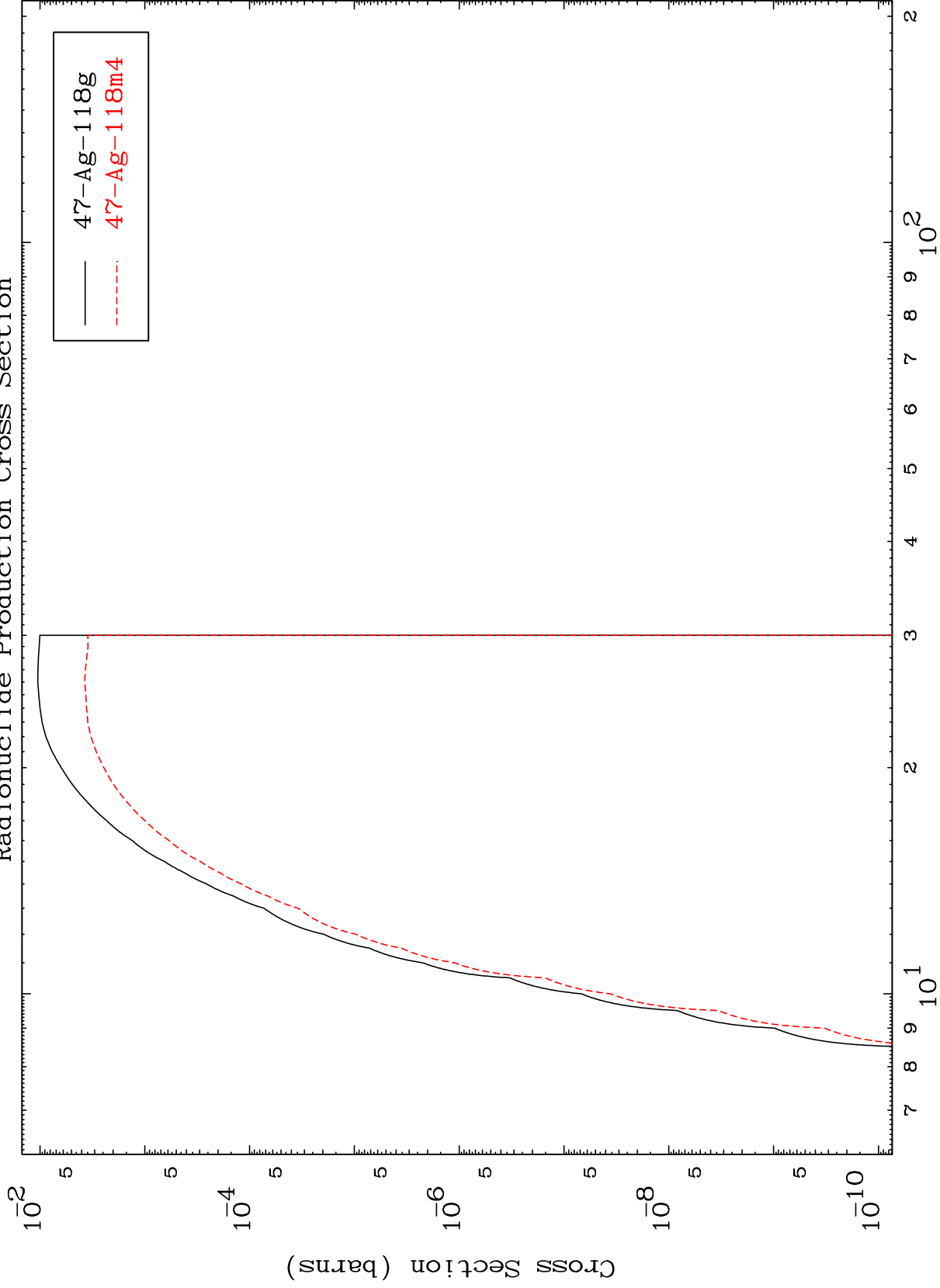
(n,γ)
Radionuclide Production Cross Section



MAT 4861

48-Cd-118

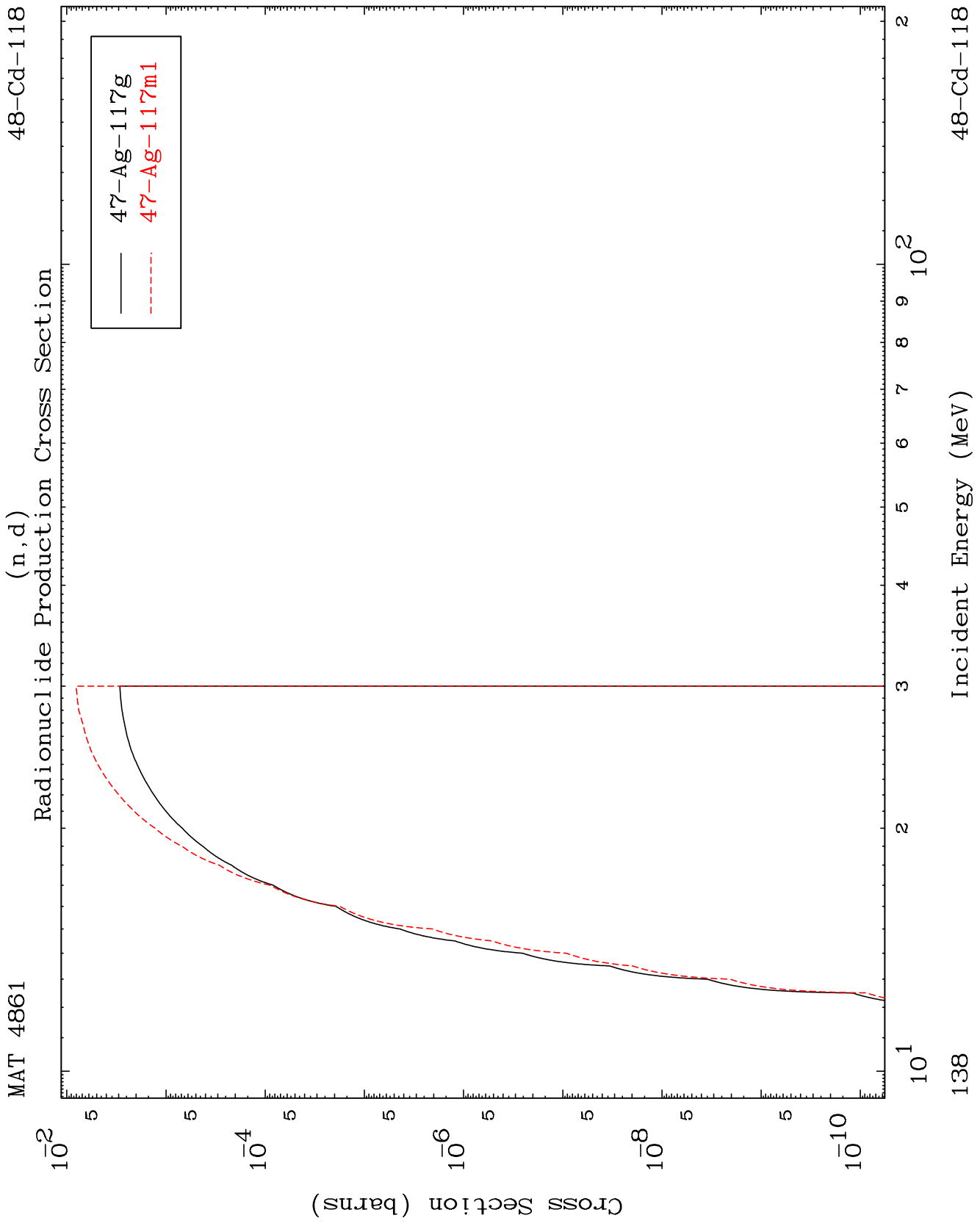
(n,p)
Radionuclide Production Cross Section



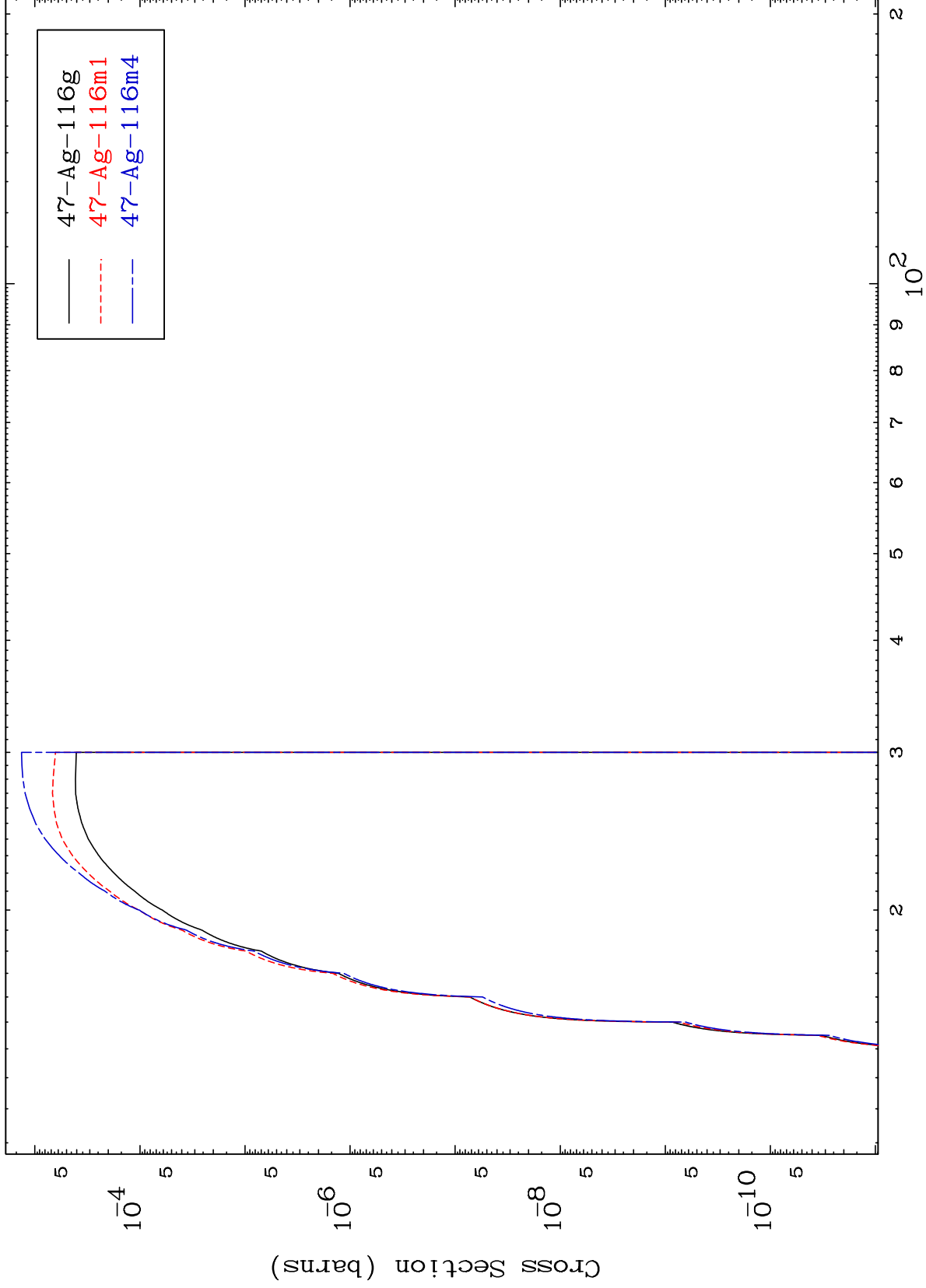
137

Incident Energy (MeV)

48-Cd-118



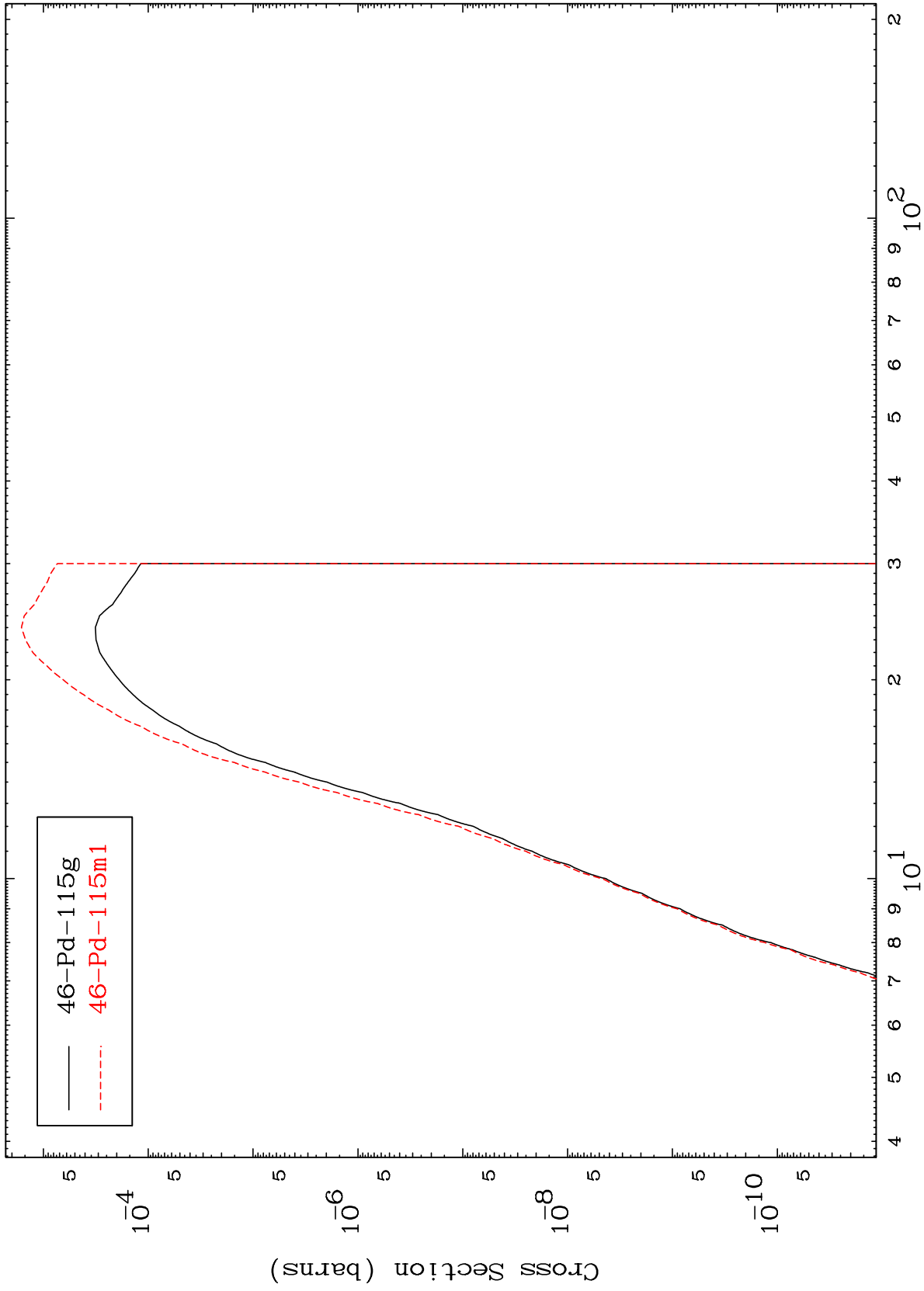
Radionuclide Production Cross Section



MAT 4861

48-Cd-118

Radionuclide Production Cross Section
(n, α)



140

Incident Energy (MeV)

48-Cd-118