

Program EVALPLOT
(Version 2017-1)

by

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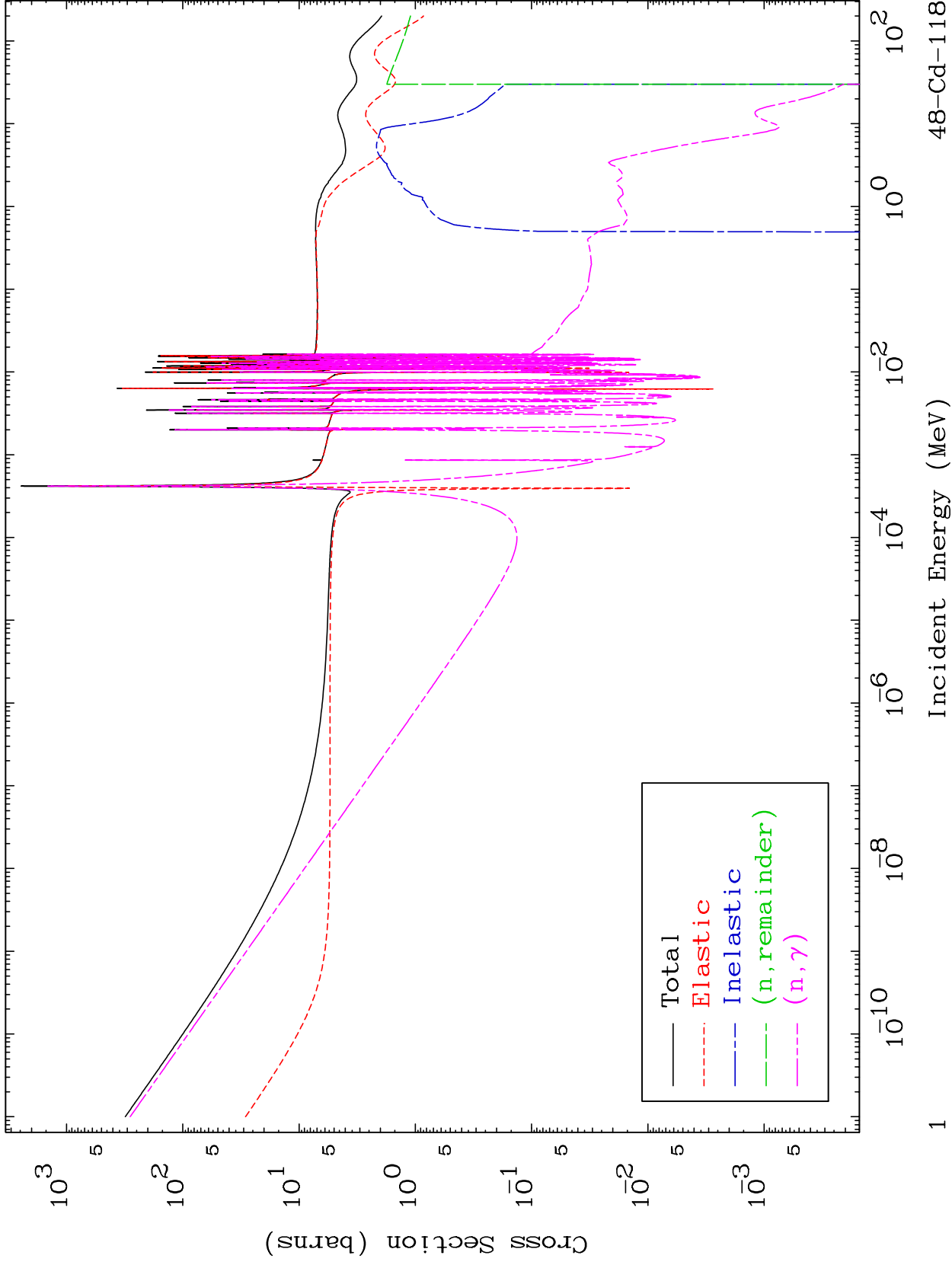
Press Mouse Button to Start

MAT 4861

Major

293 Kelvin Cross Sections

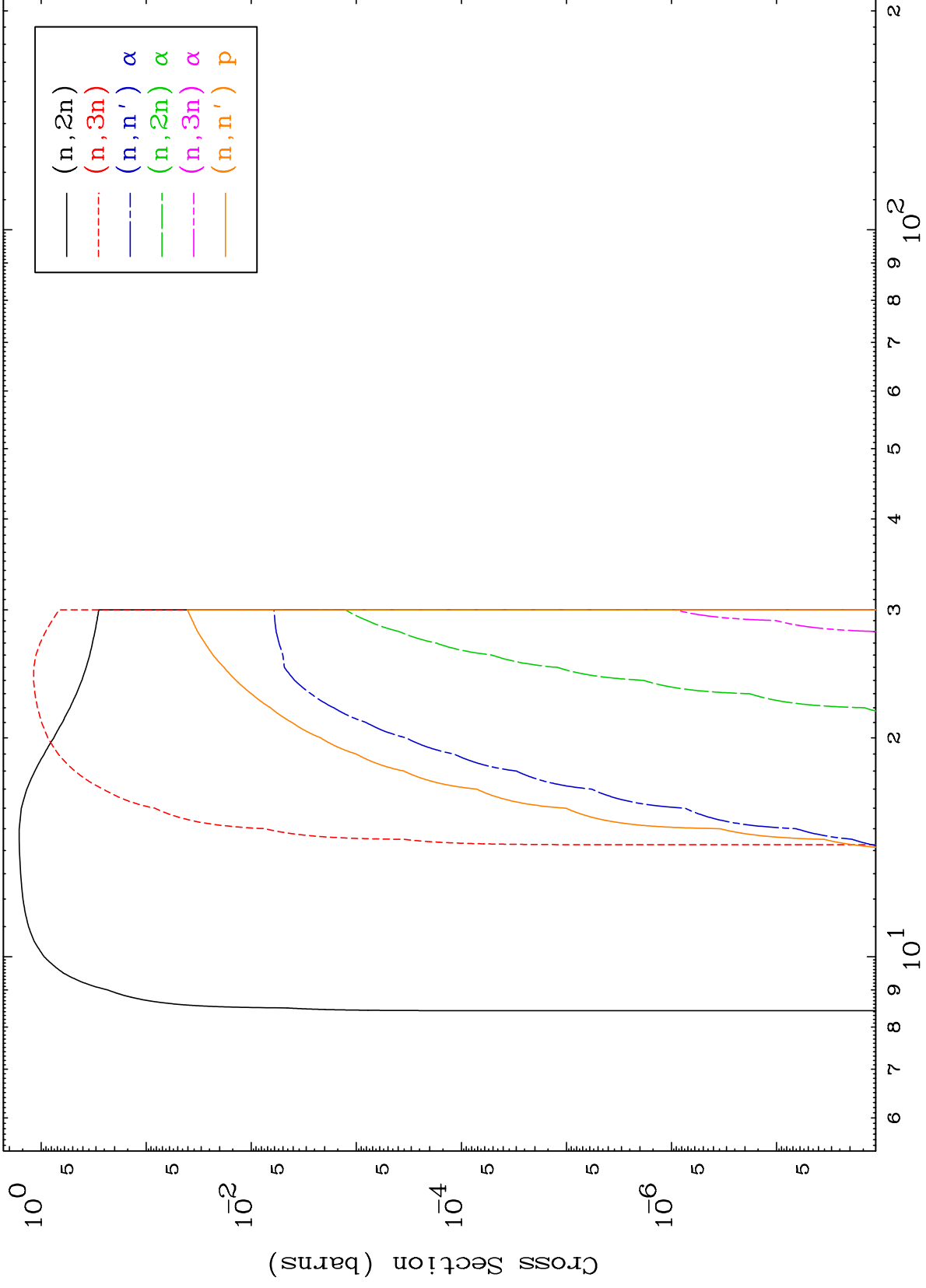
48-Cd-118



MAT 4861

Neutron Production
293 Kelvin Cross Sections

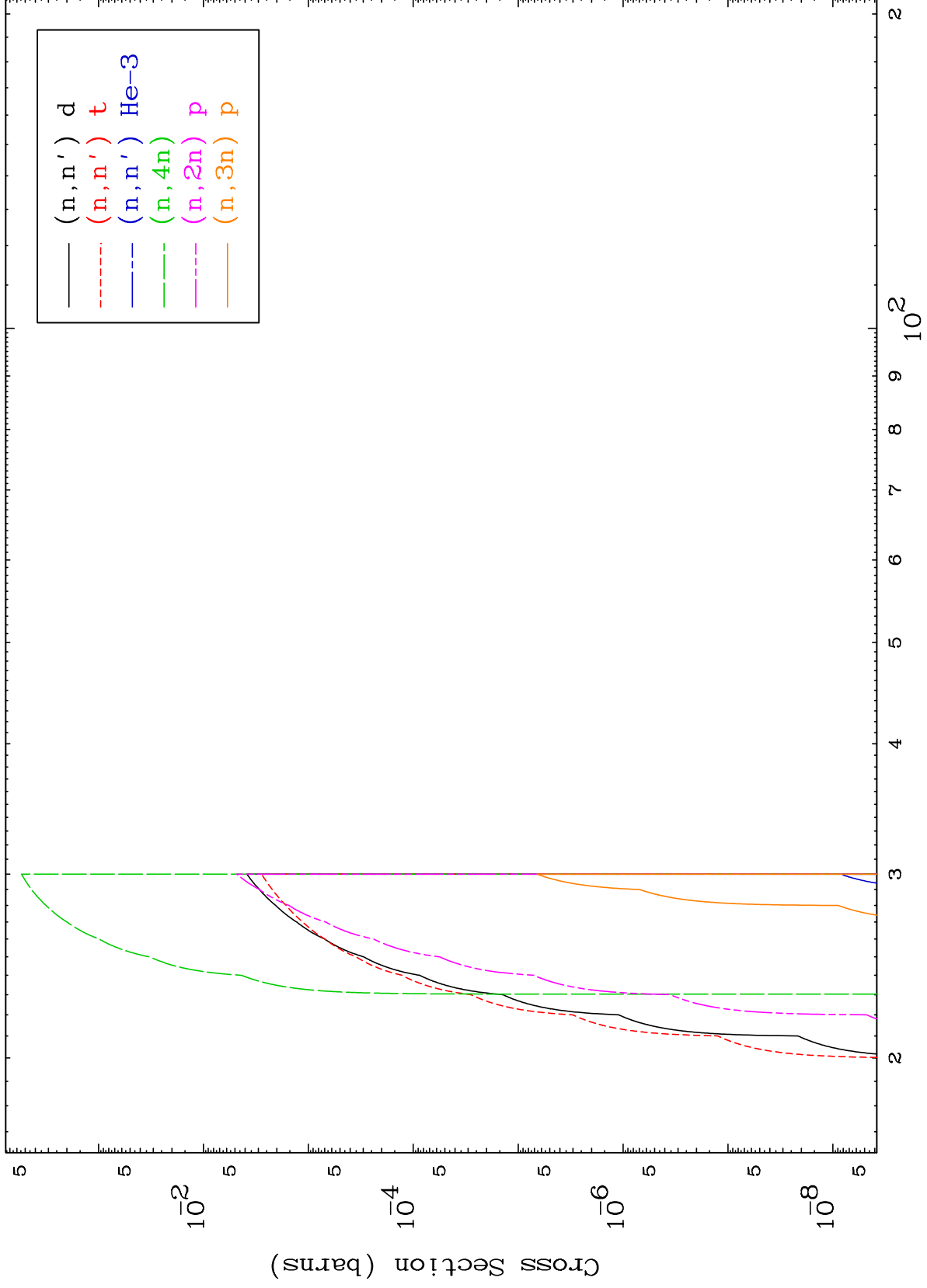
48-Cd-118



2

Incident Energy (MeV)

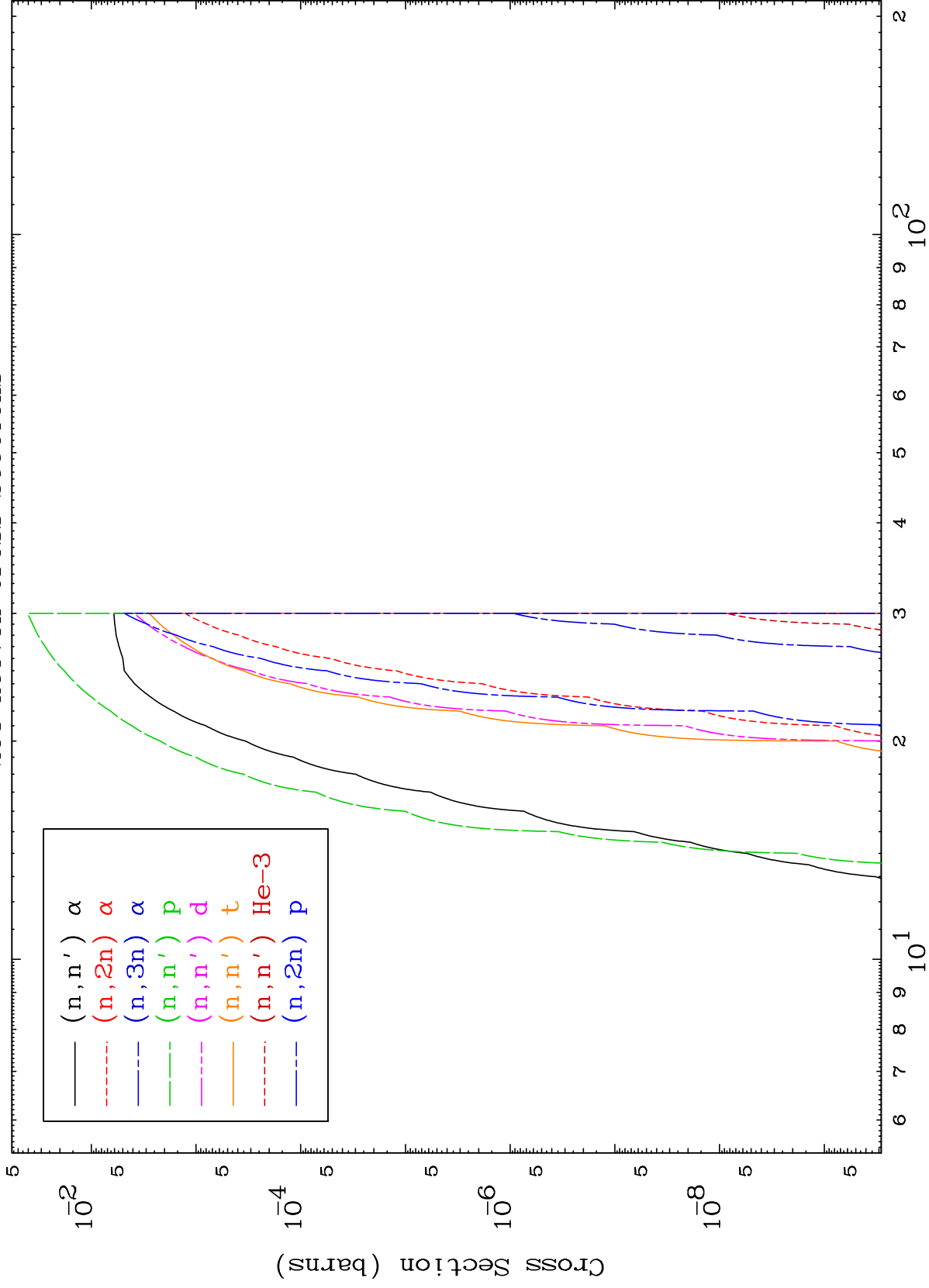
48-Cd-118



MAT 4861

Charged Particle
293 Kelvin Cross Sections

48-Cd-118



4

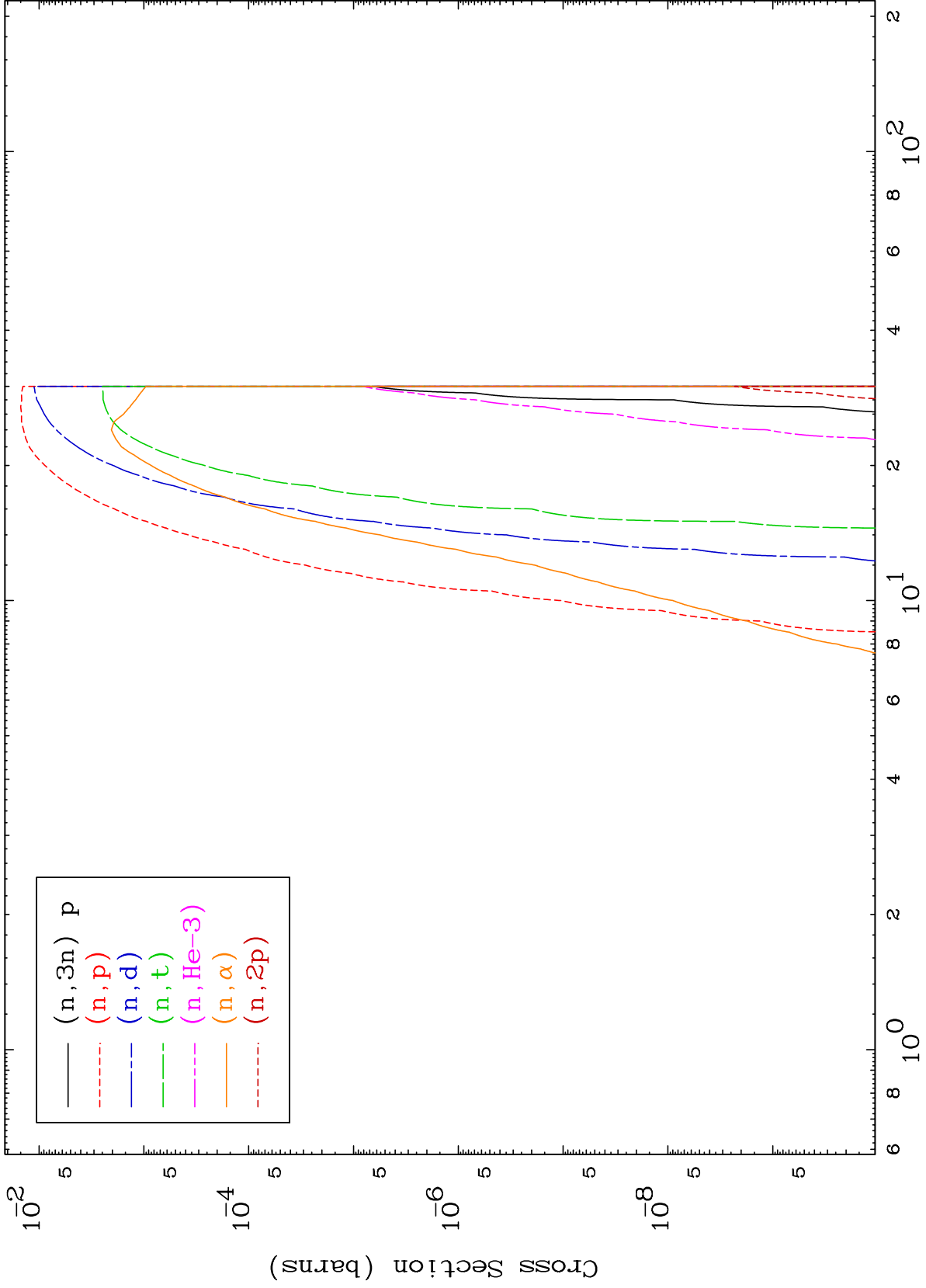
Incident Energy (MeV)

48-Cd-118

MAT 4861

Charged Particle
293 Kelvin Cross Sections

48-Cd-118



5

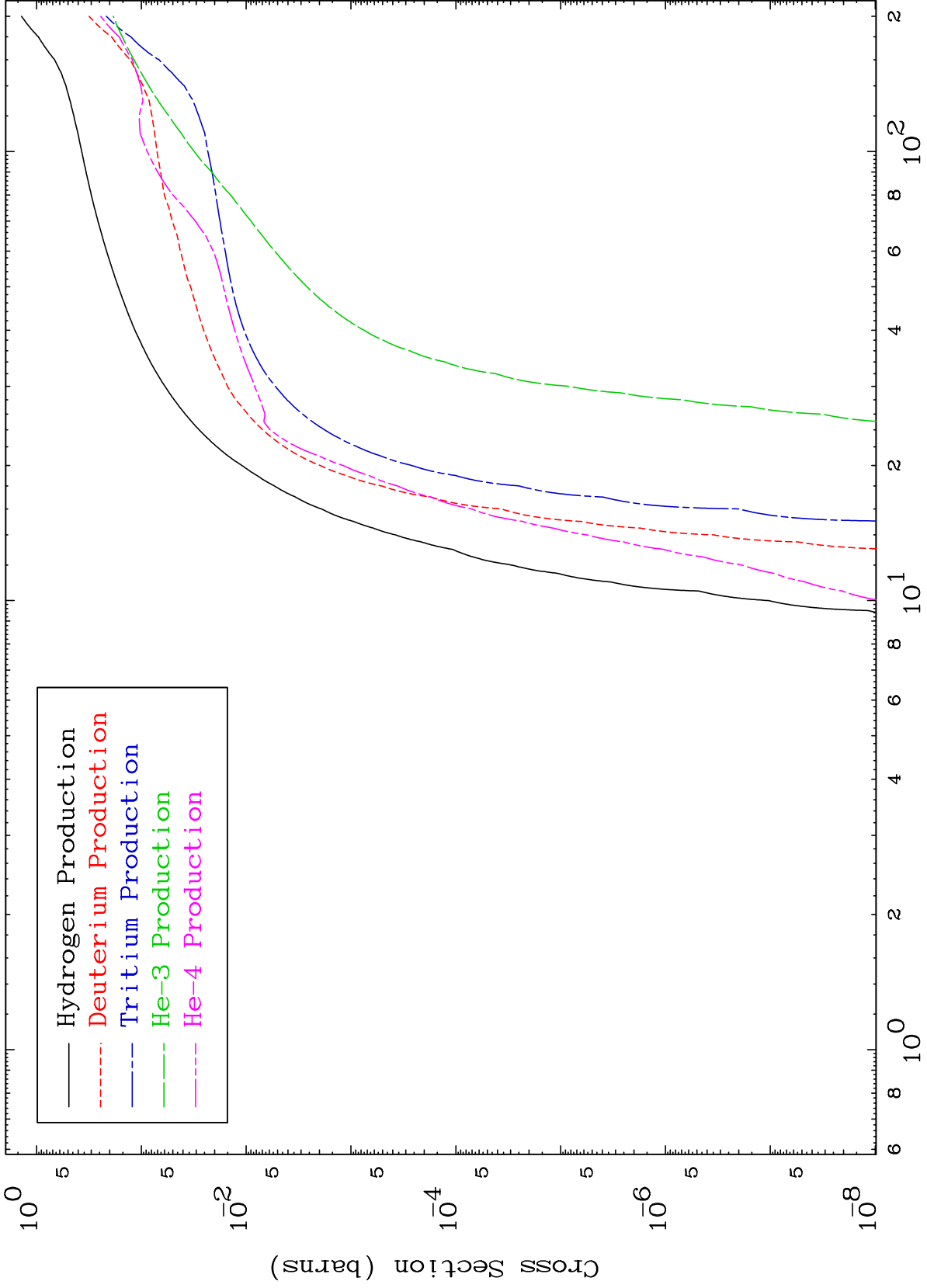
Incident Energy (MeV)

48-Cd-118

MAT 4861

Particle Production
293 Kelvin Cross Sections

48-Cd-118



48-Cd-118

Incident Energy (MeV)

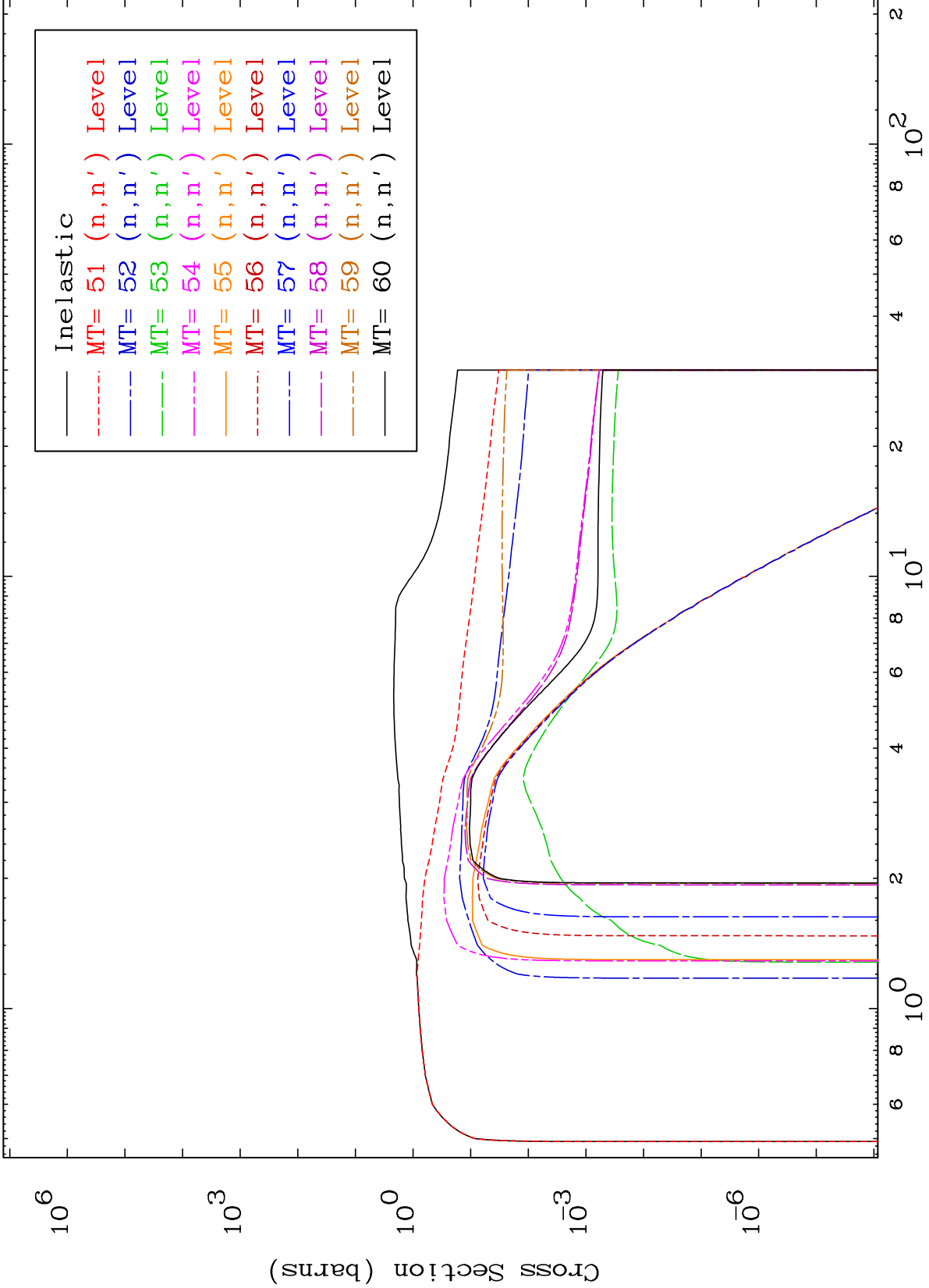
6

MAT 4861

(n,n') Level

48-Cd-118

293 Kelvin Cross Sections

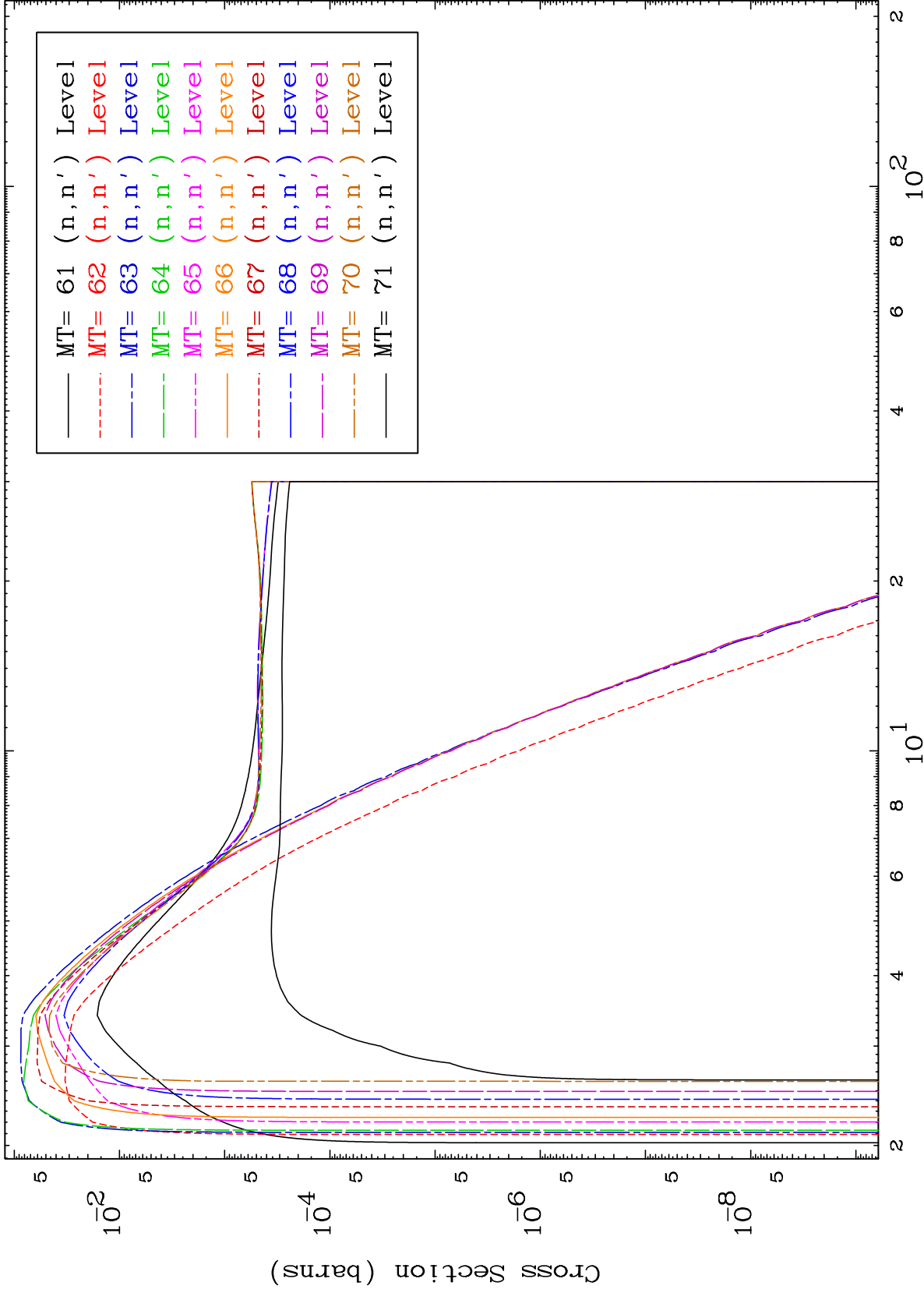


MAT 4861

(n,n') Level

48-Cd-118

293 Kelvin Cross Sections



8

Incident Energy (MeV)

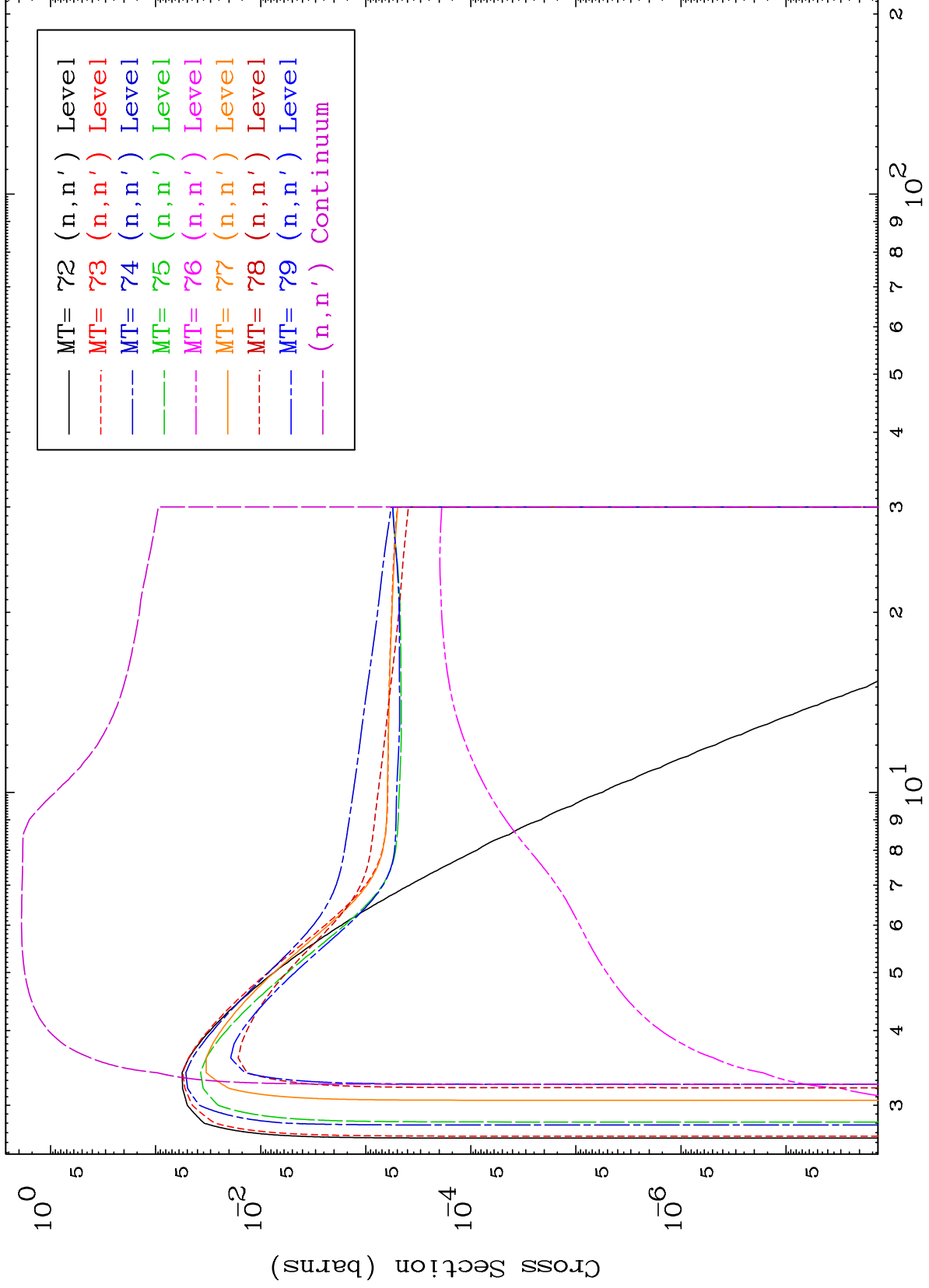
48-Cd-118

MAT 4861

(n,n') Level

48-Cd-118

293 Kelvin Cross Sections



9

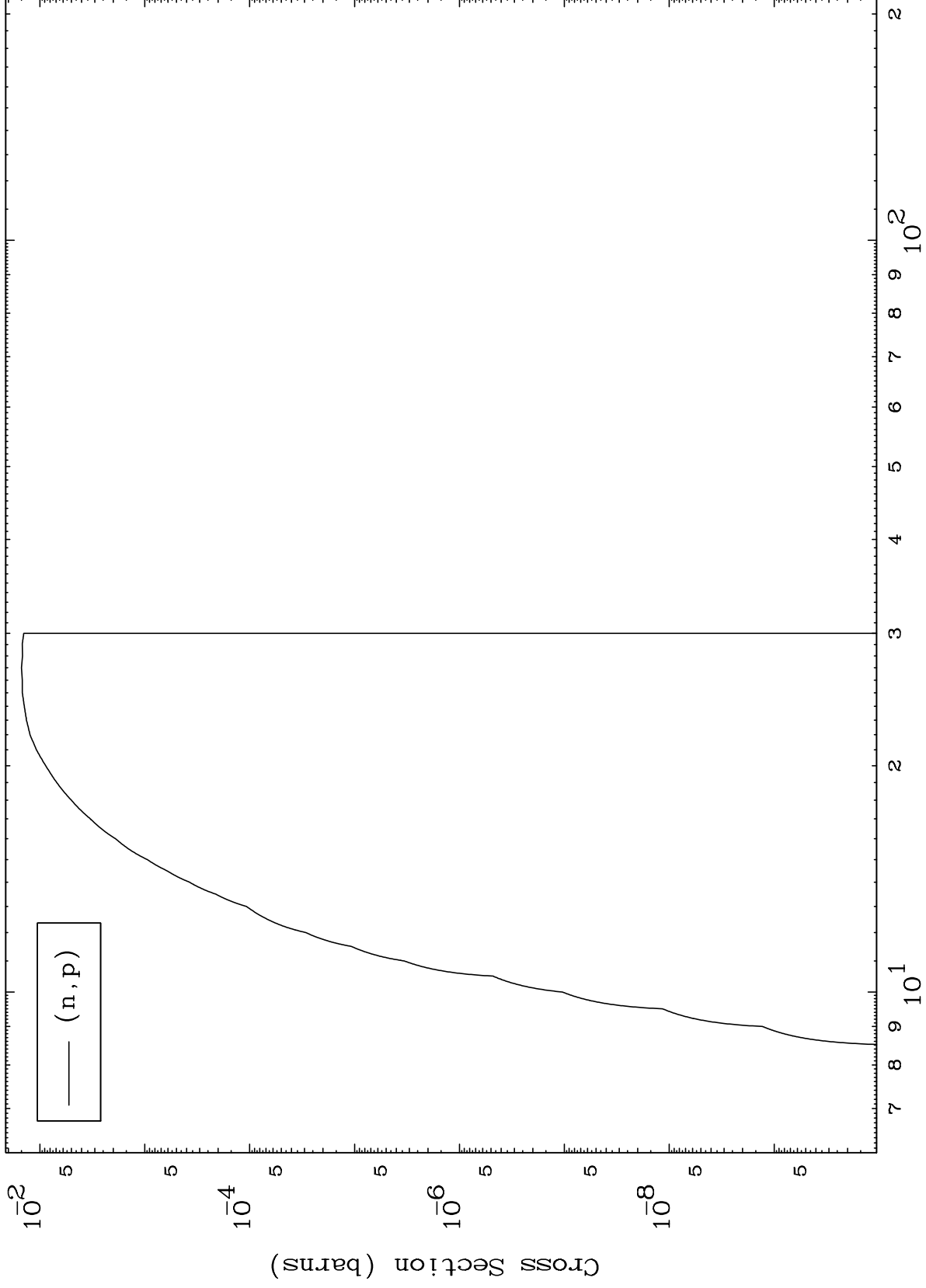
Incident Energy (MeV)

48-Cd-118

MAT 4861

(n,p) Levels
293 Kelvin Cross Sections

48-Cd-118



10

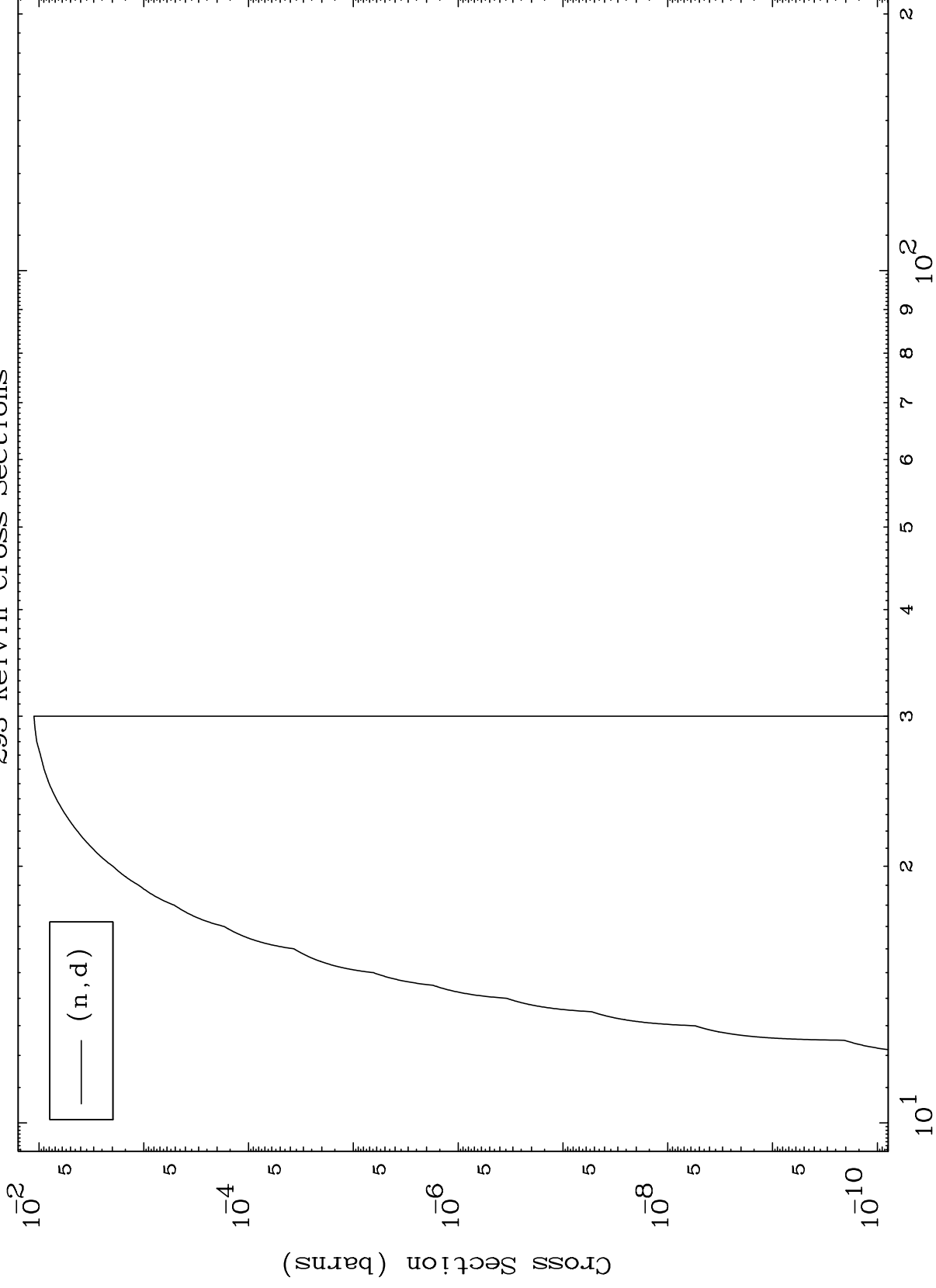
Incident Energy (MeV)

48-Cd-118

MAT 4861

(n,d) Levels
293 Kelvin Cross Sections

48-Cd-118



11

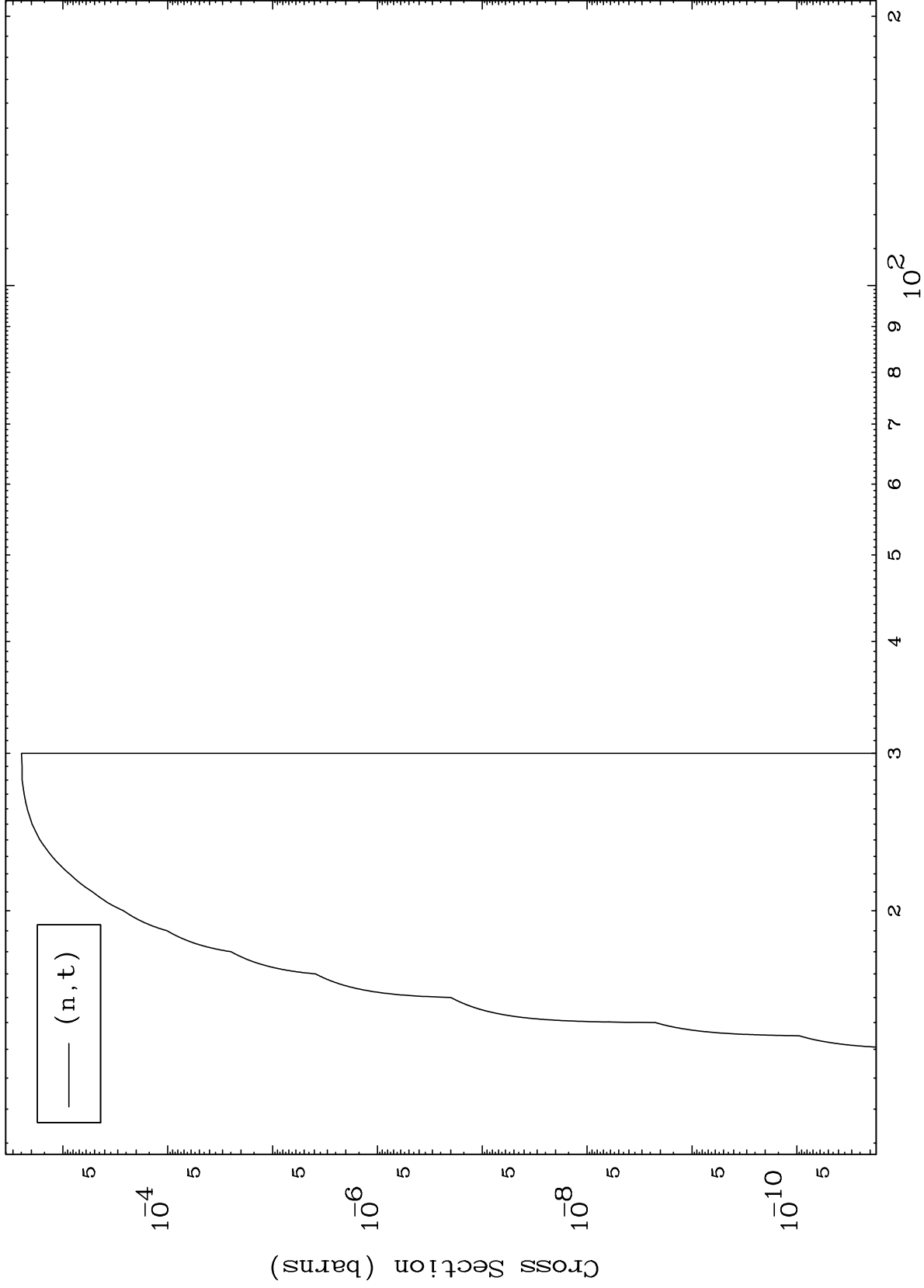
Incident Energy (MeV)

48-Cd-118

MAT 4861

(n,t) Levels
293 Kelvin Cross Sections

48-Cd-118



12

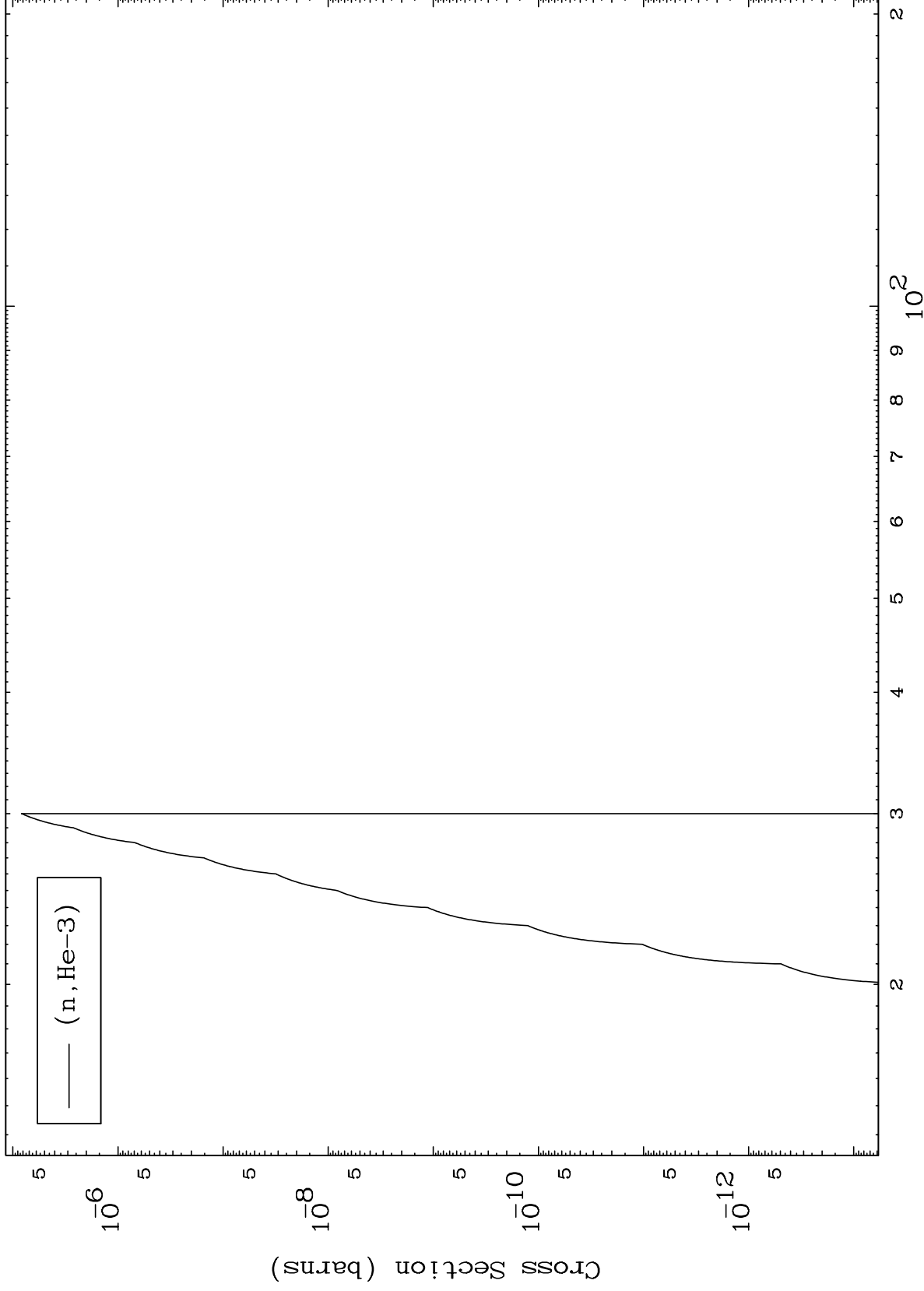
Incident Energy (MeV)

48-Cd-118

MAT 4861

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-118



13

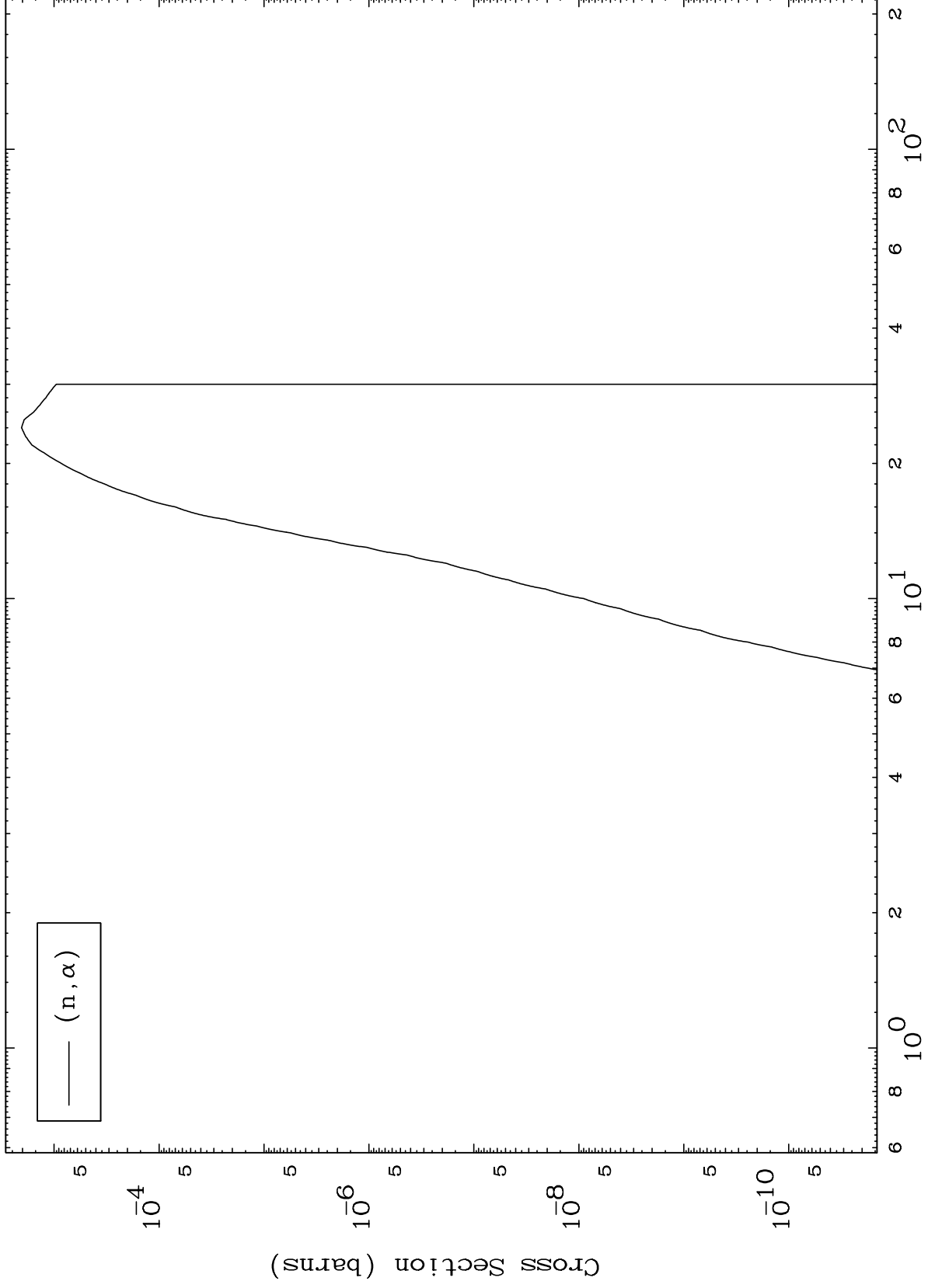
Incident Energy (MeV)

48-Cd-118

MAT 4861

(n, α) Levels
293 Kelvin Cross Sections

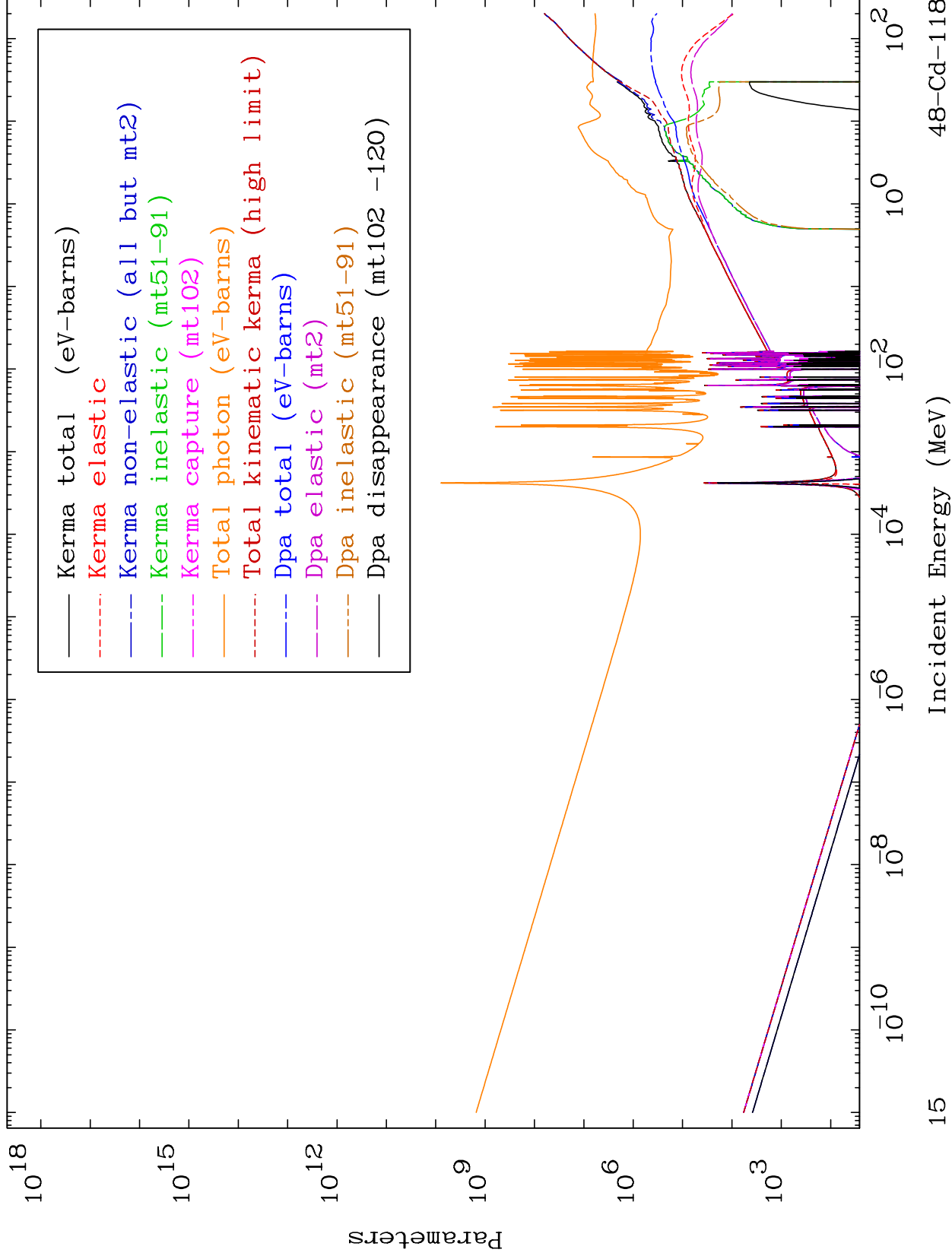
48-Cd-118



14

Incident Energy (MeV)

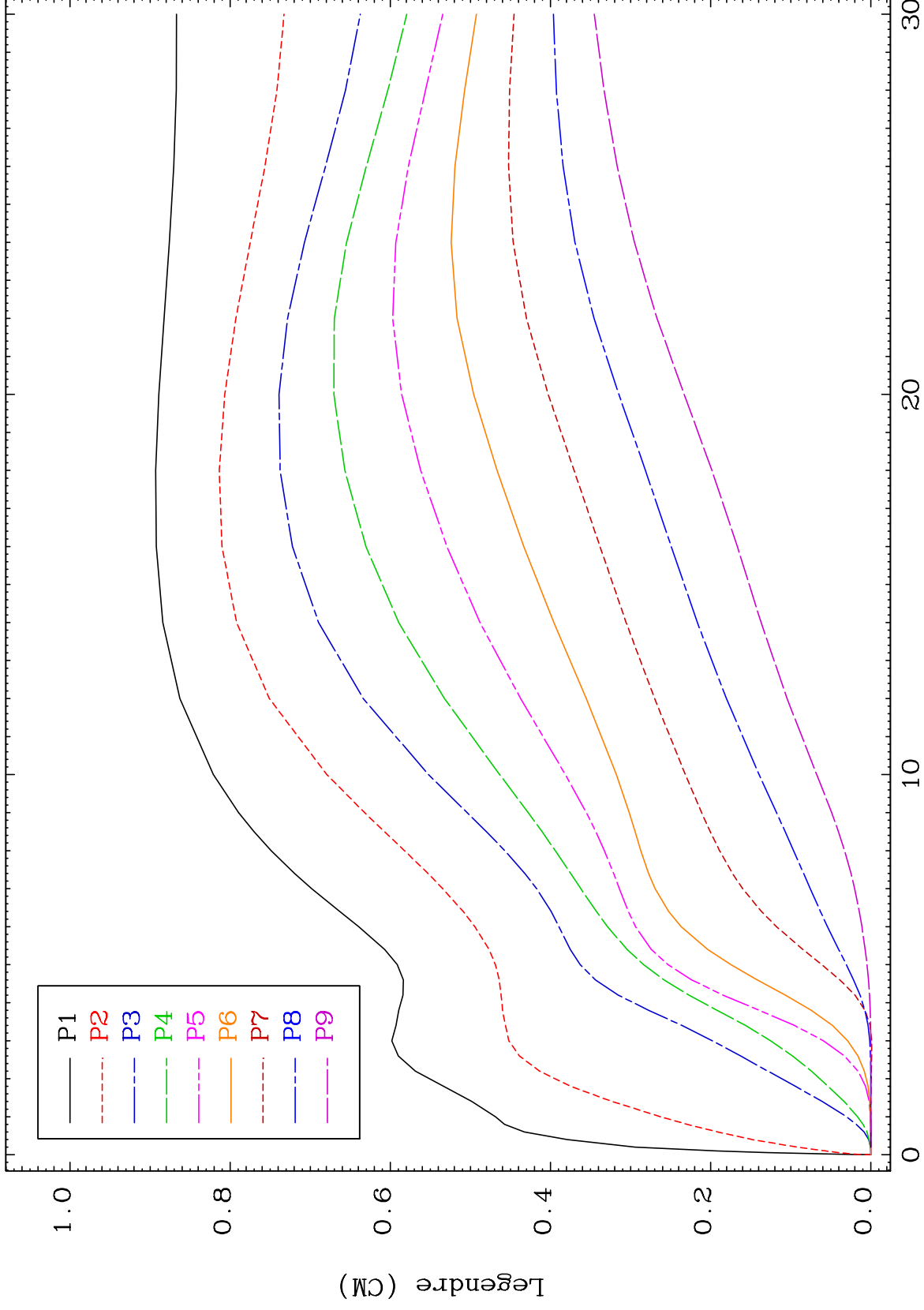
48-Cd-118



MAT 4861

Elastic Legendre Coefficients

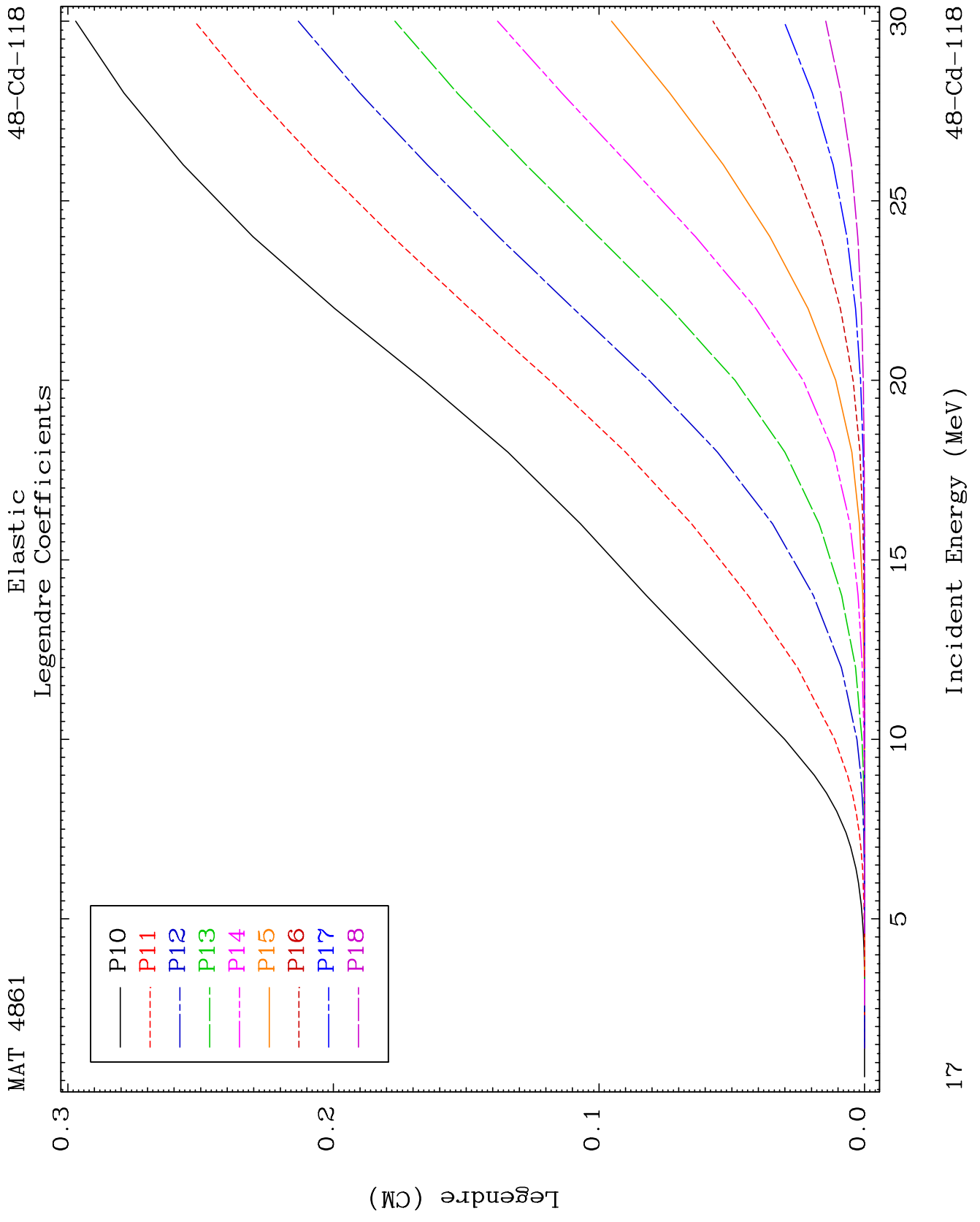
48-Cd-118



16

Incident Energy (MeV)

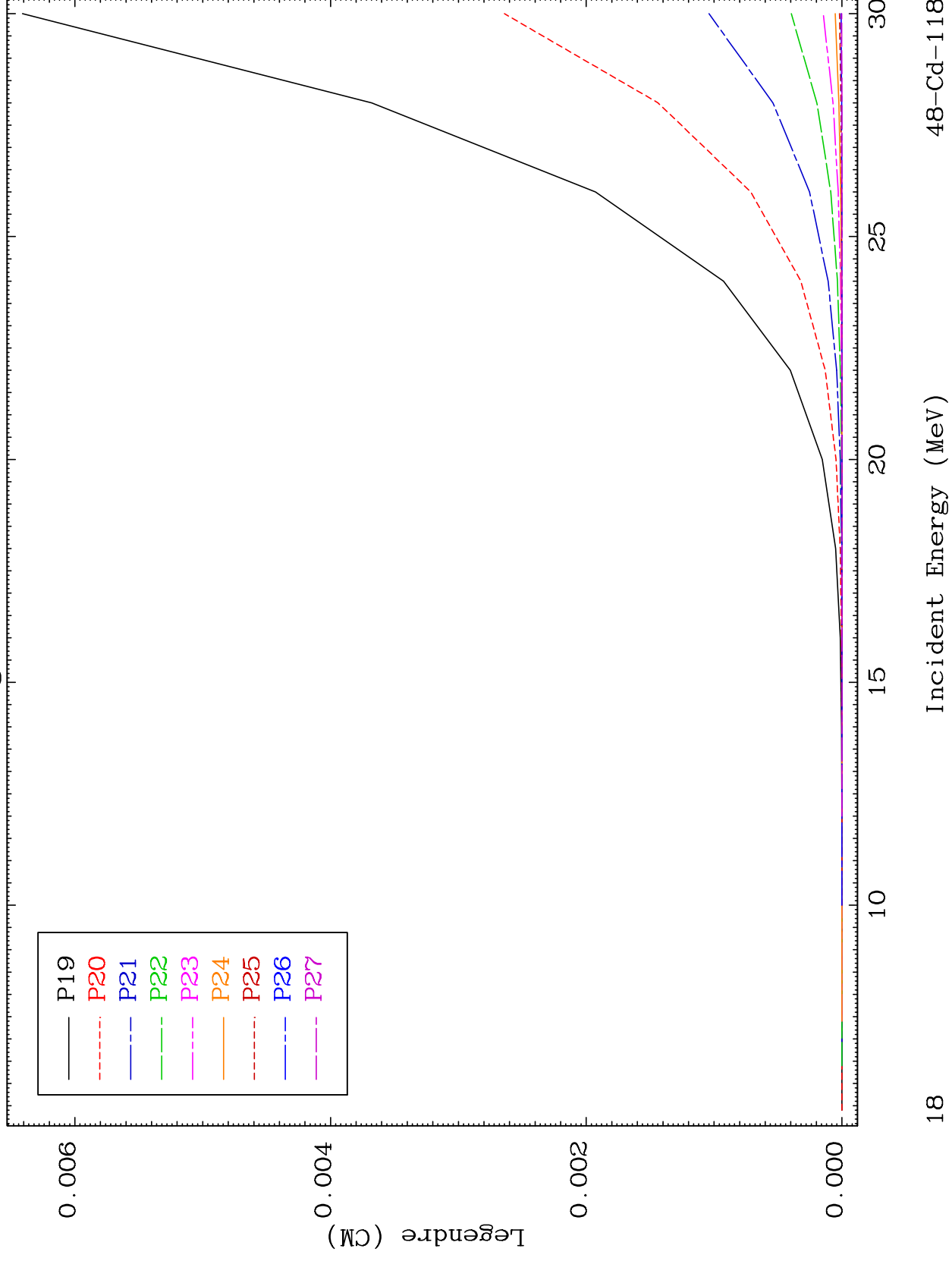
48-Cd-118



MAT 4861

Elastic Legendre Coefficients

48-Cd-118



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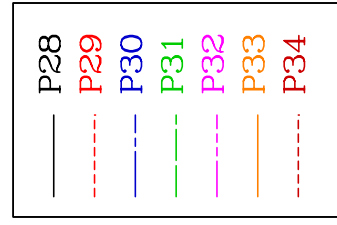
Incident Energy (MeV)

48-Cd-118

MAT 4861

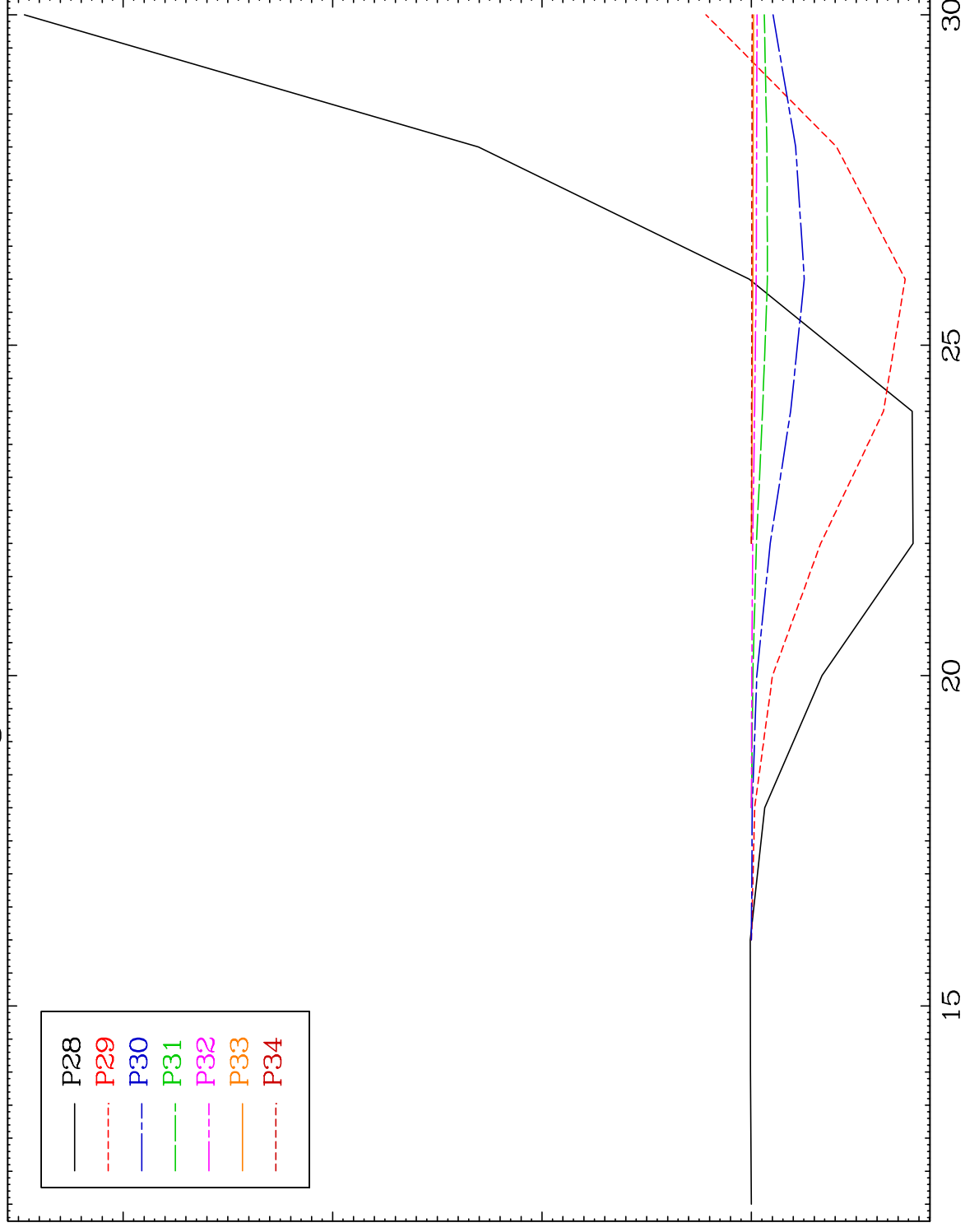
Elastic
Legendre Coefficients

48-Cd-118



$\times 10^{-7}$

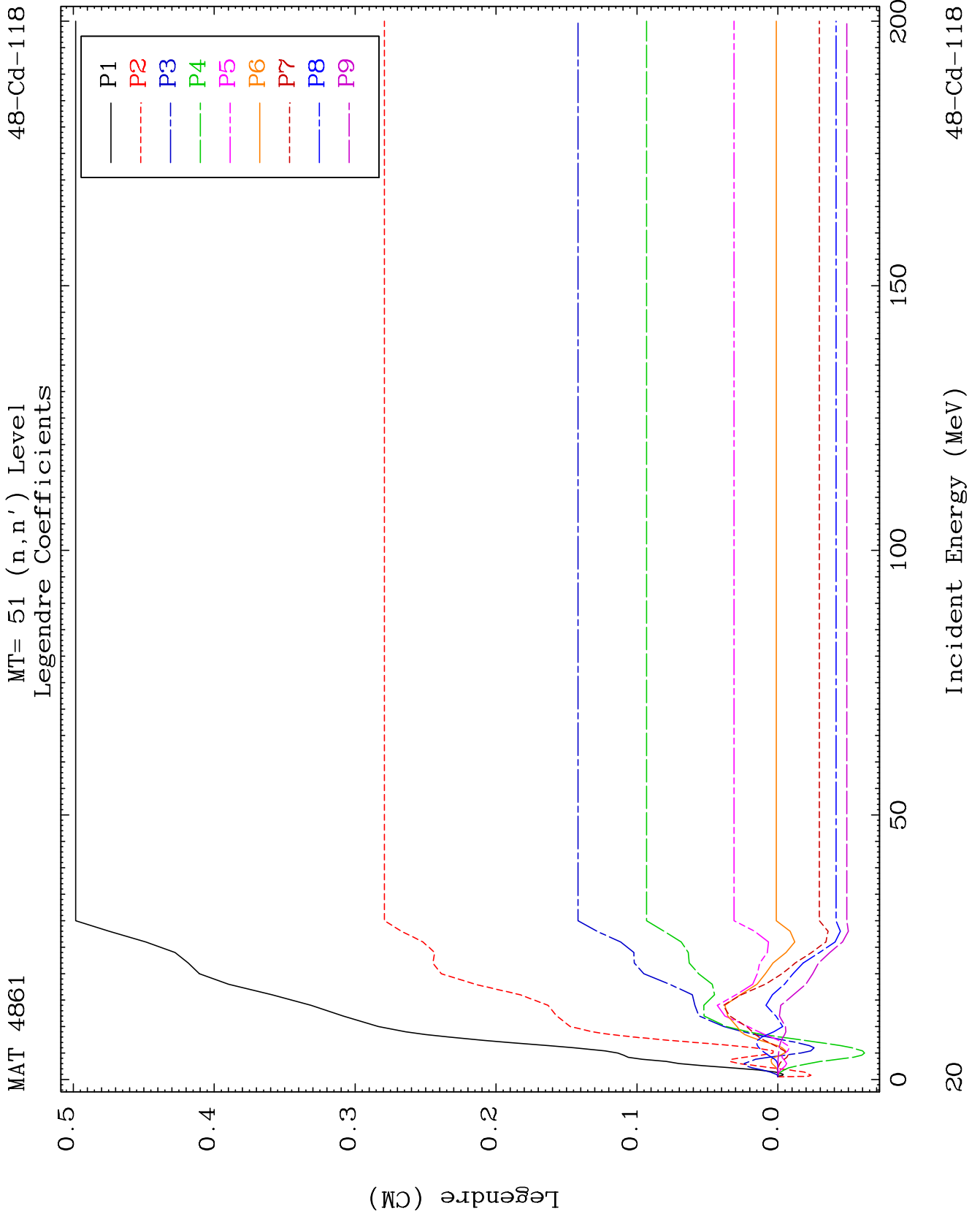
Legendre (CM)



19

Incident Energy (MeV)

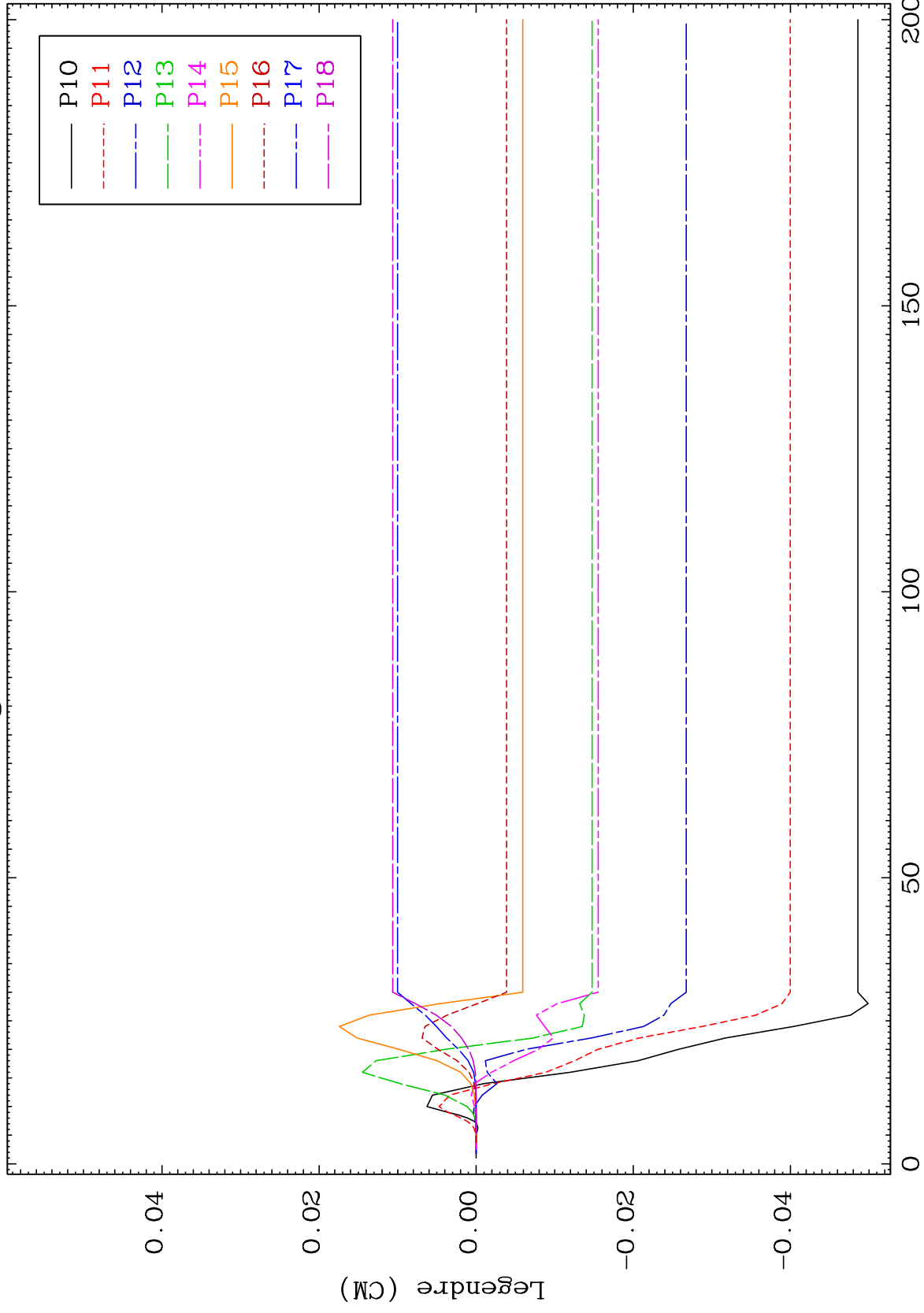
48-Cd-118



MAT 4861

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

48-Cd-118



21

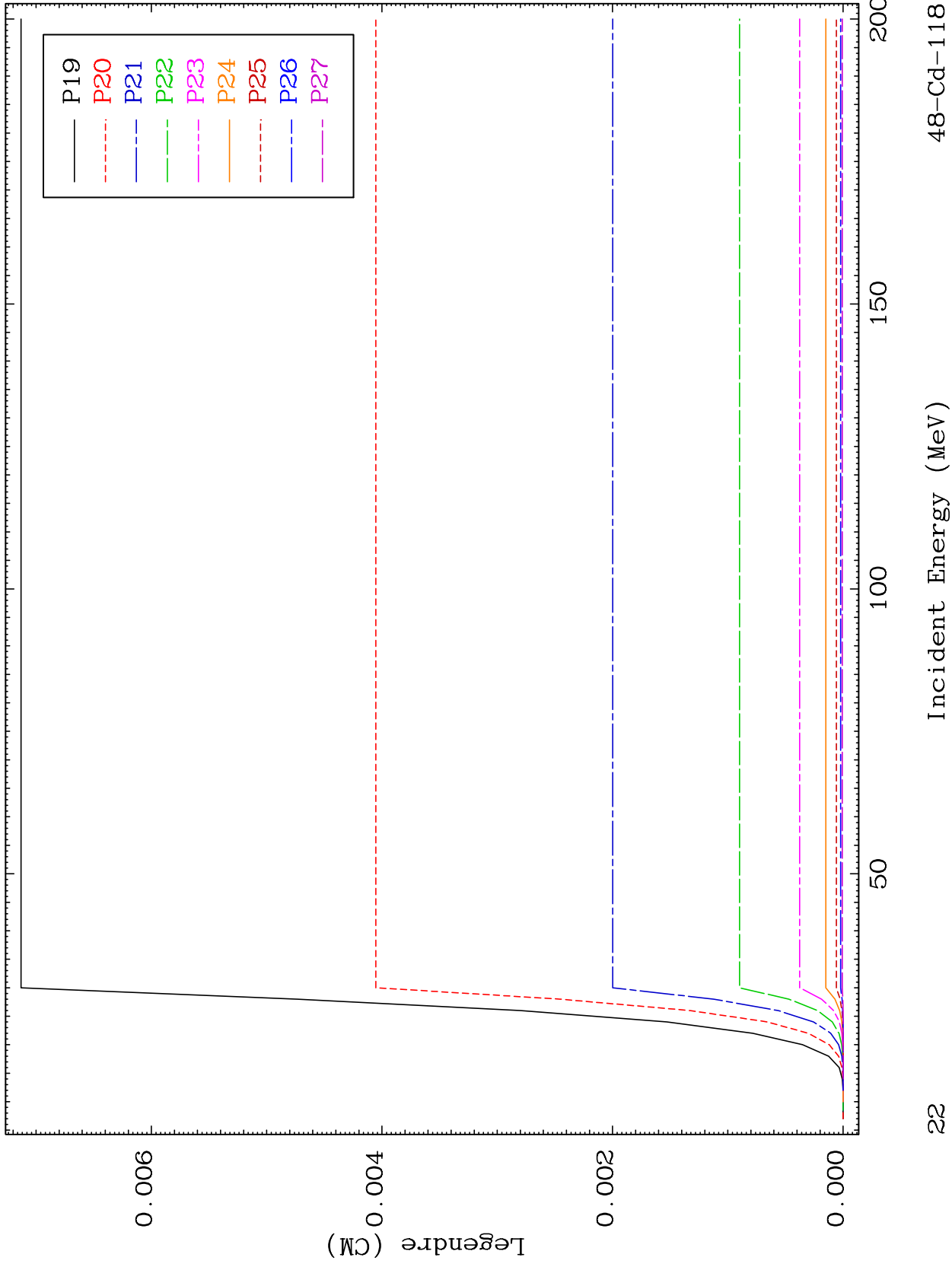
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



22

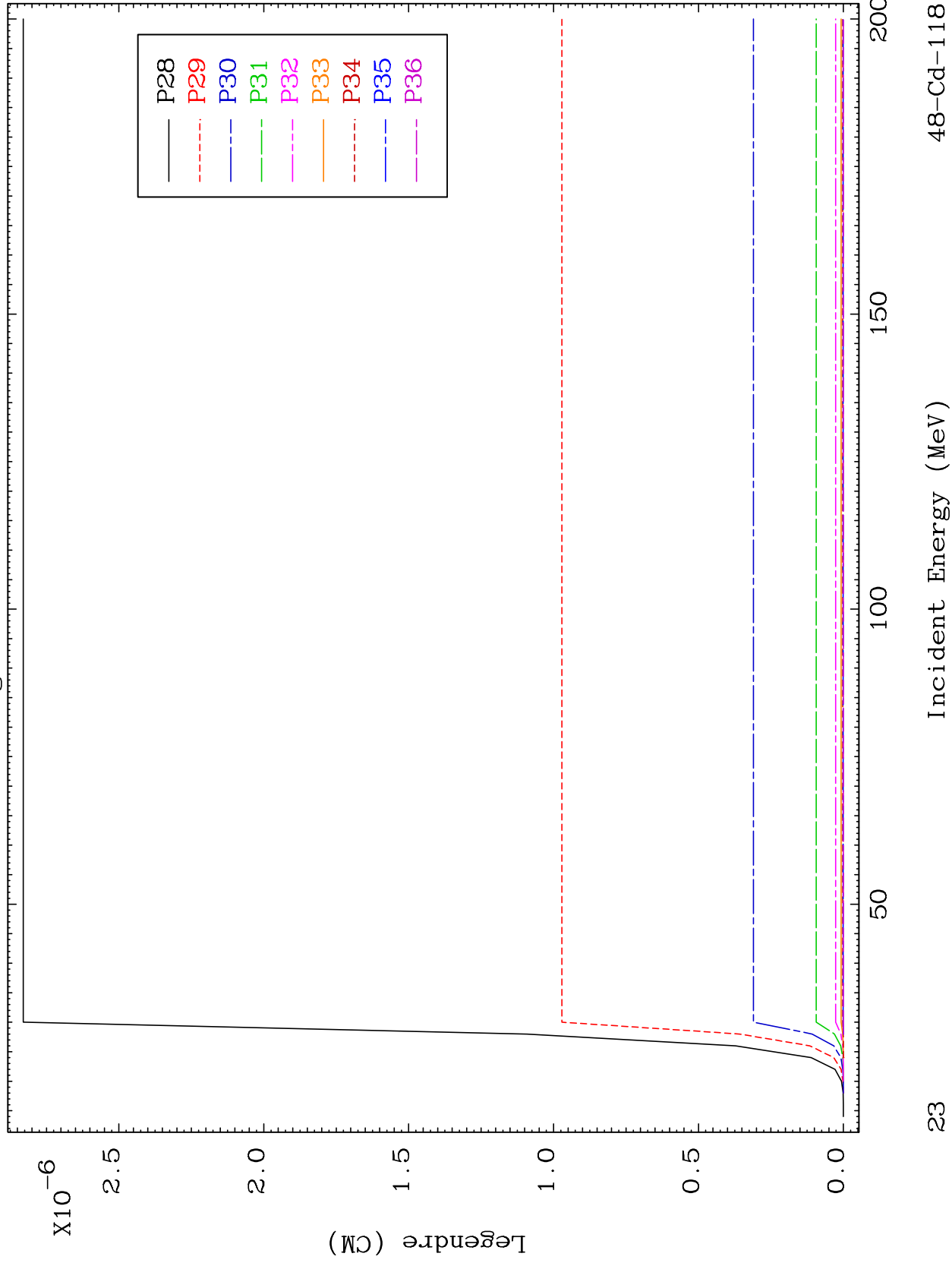
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118

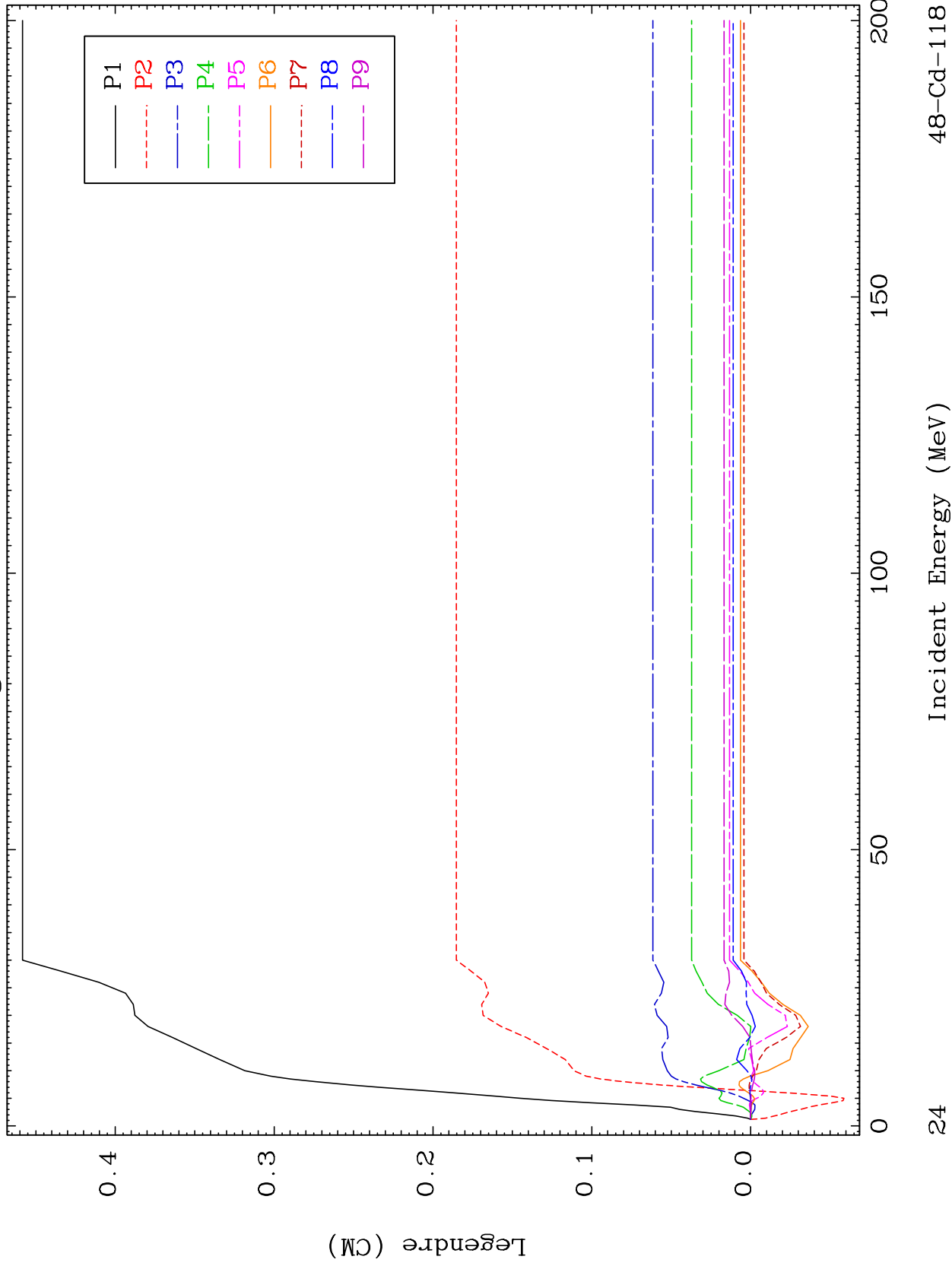


23

MAT 4861

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

48-Cd-118



48-Cd-118

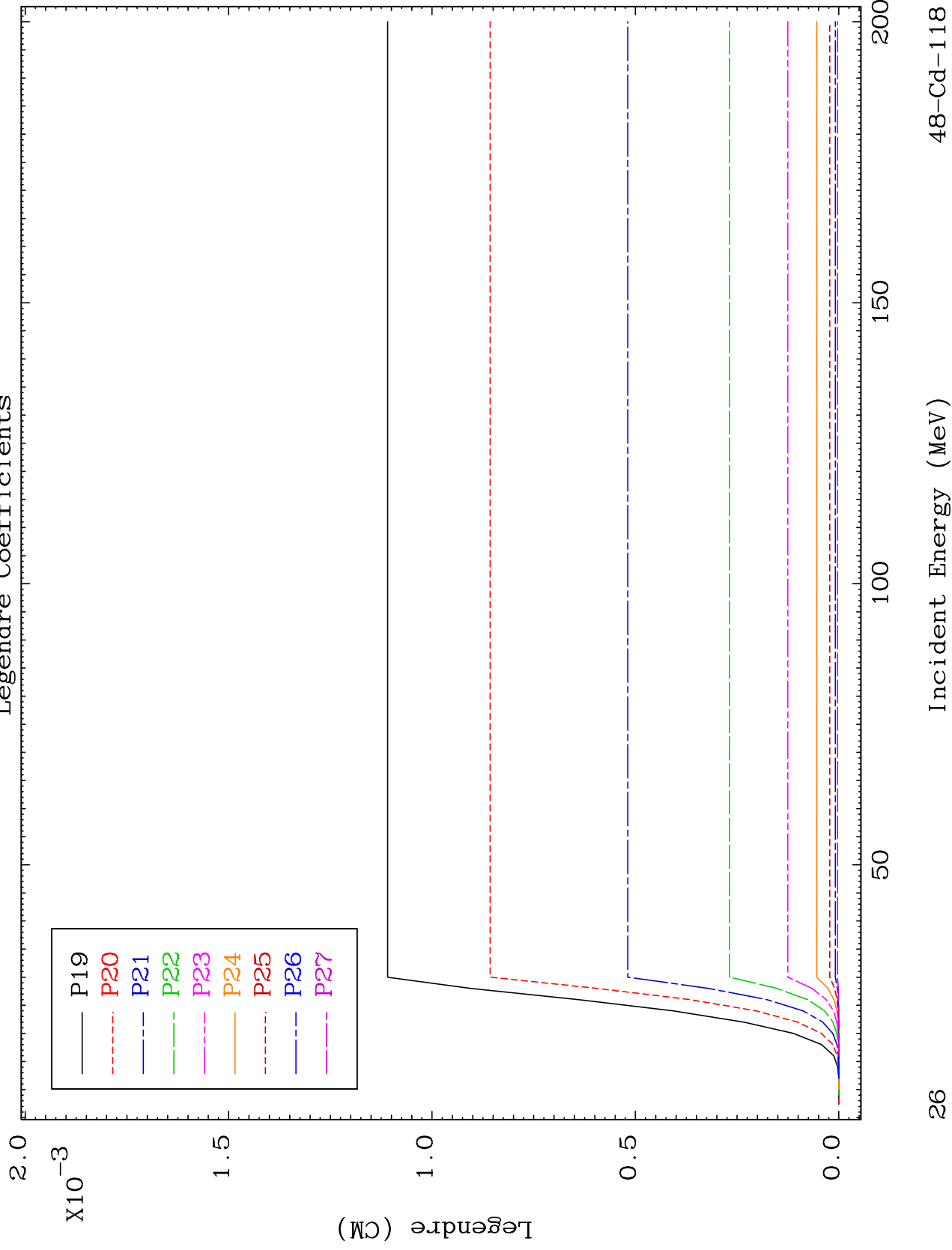
Incident Energy (MeV)

24

MAT 4861

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

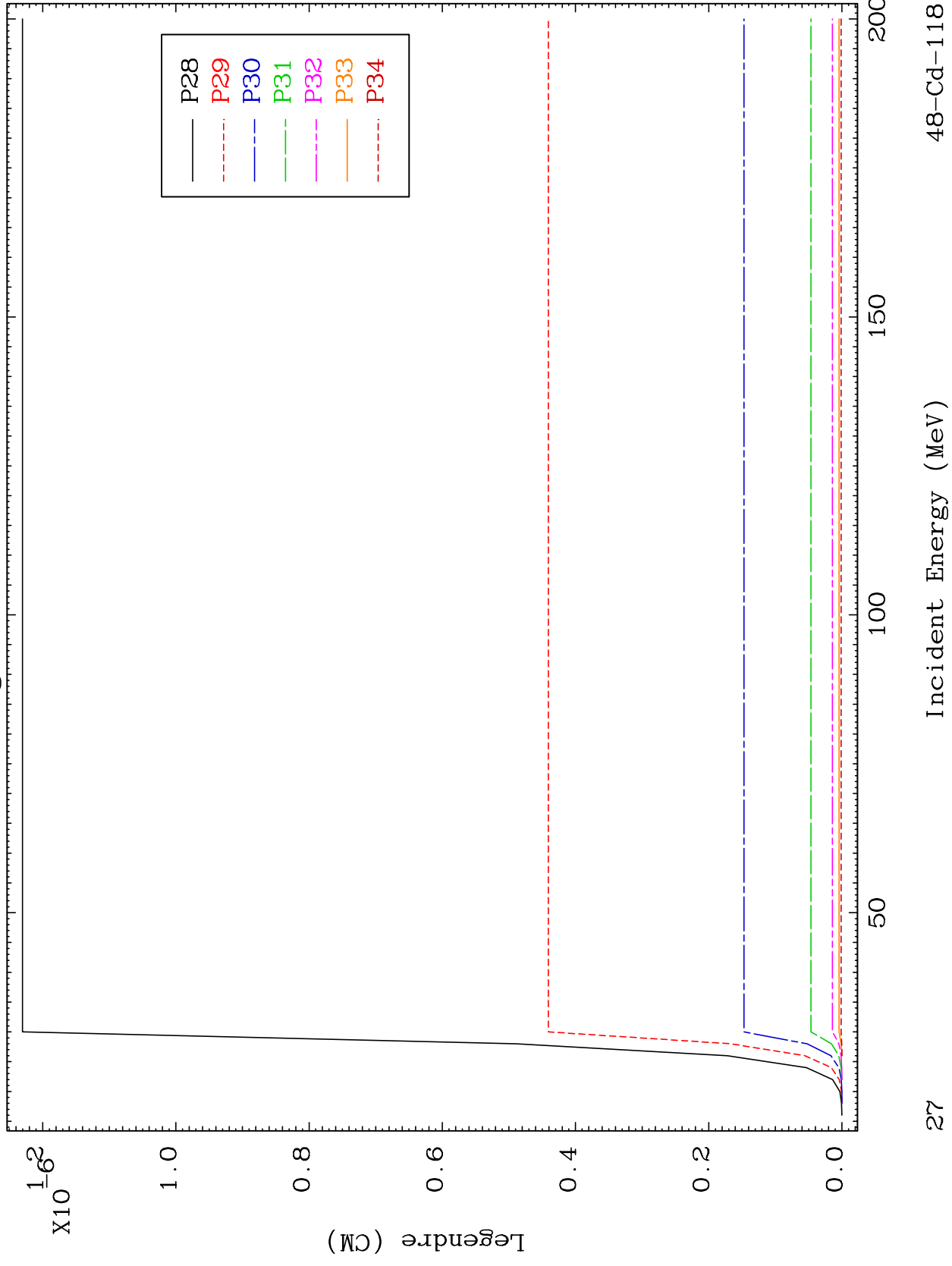
48-Cd-118



MAT 4861

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

48-Cd-118



27

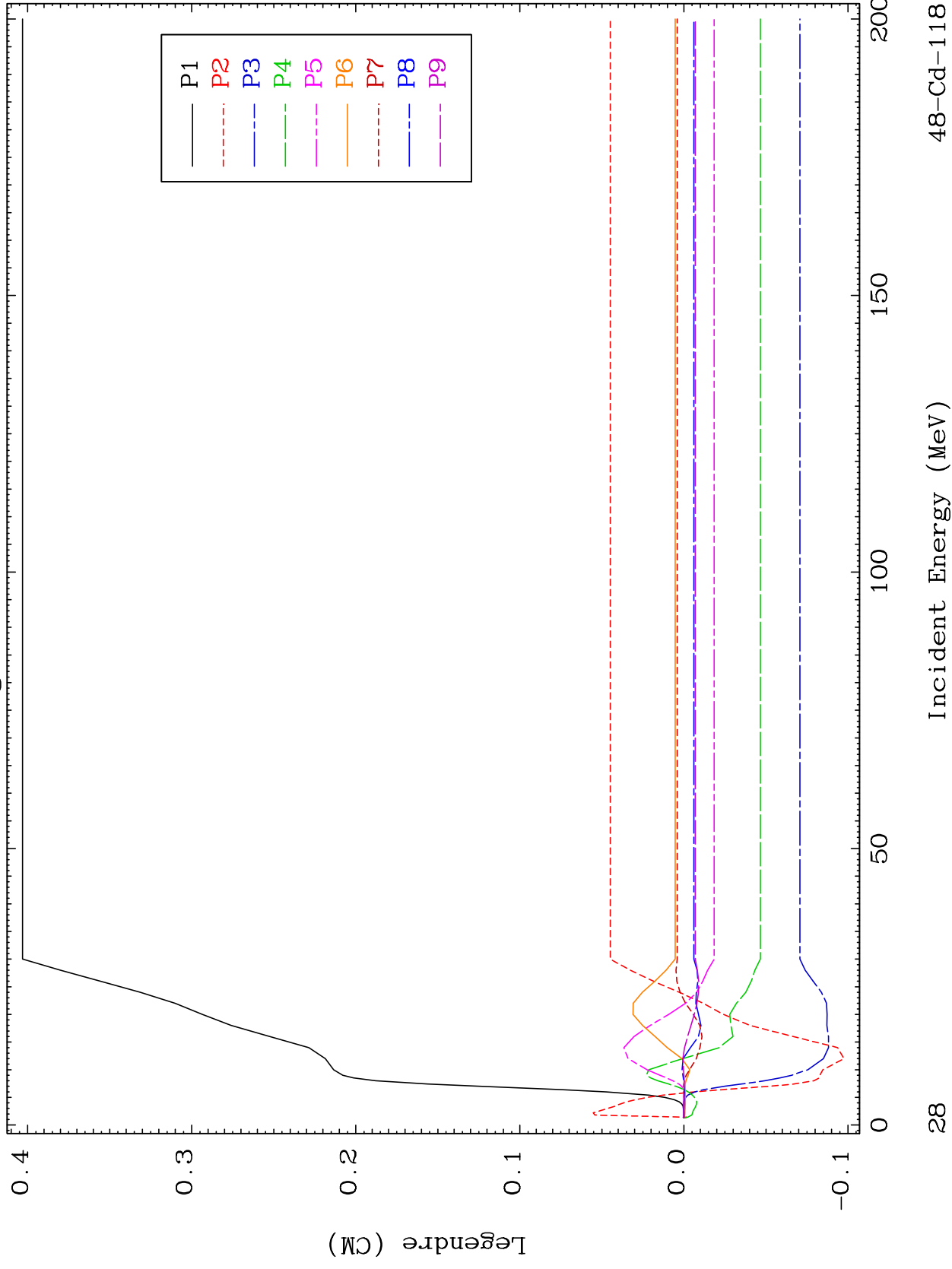
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



48-Cd-118

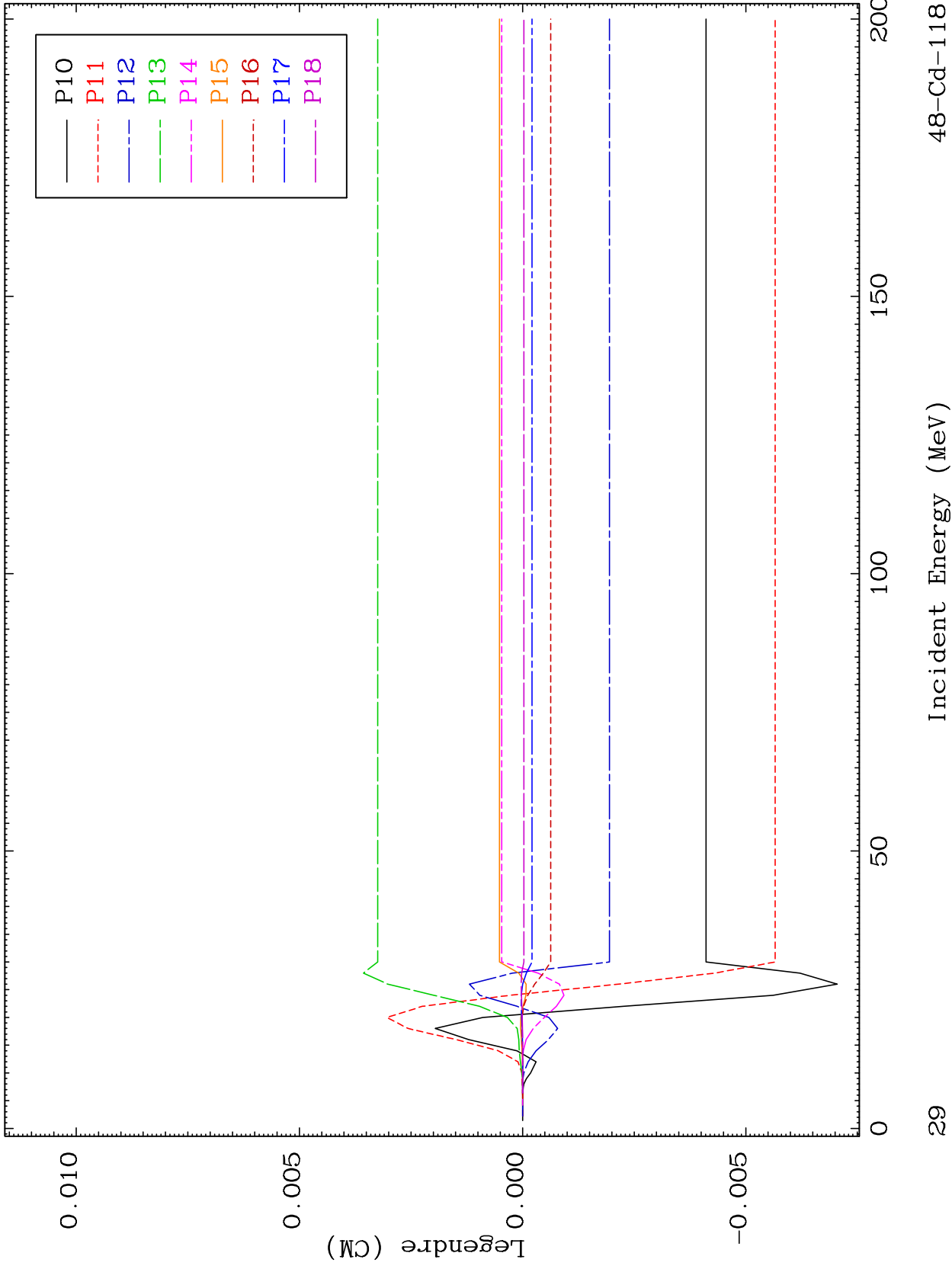
Incident Energy (MeV)

28

MAT 4861

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

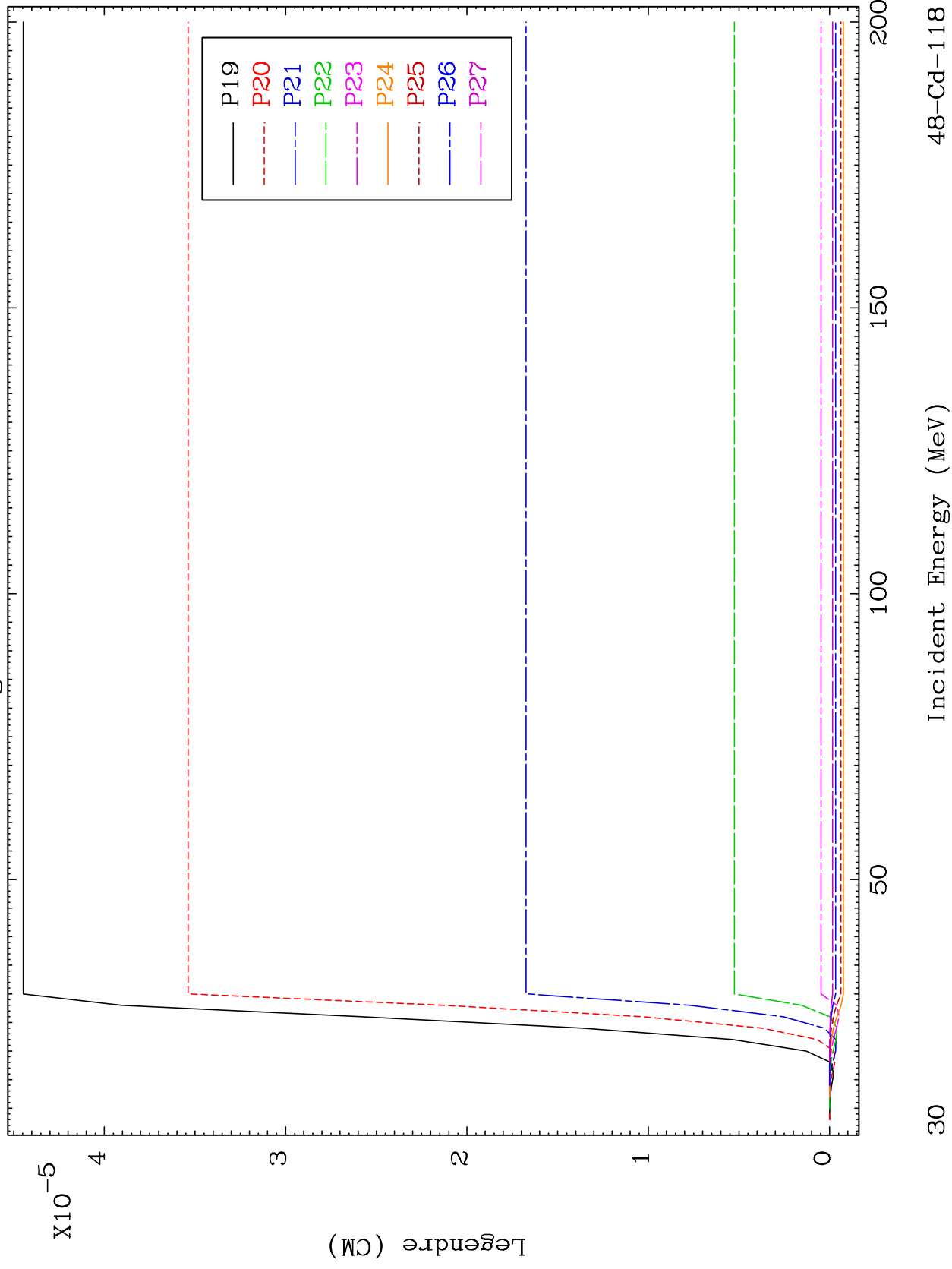
48-Cd-118



MAT 4861

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

48-Cd-118



48-Cd-118

Incident Energy (MeV)

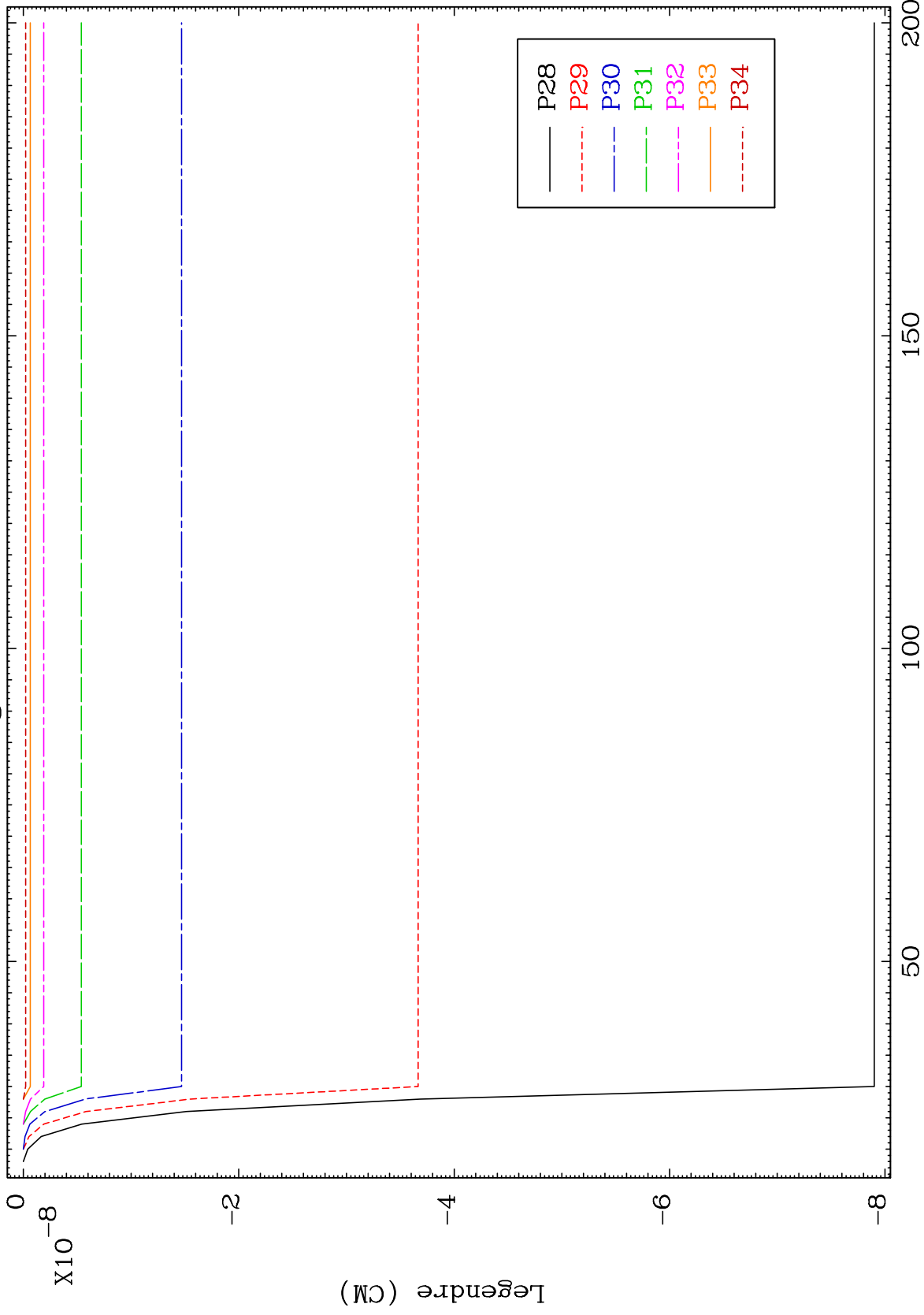
30

MAT 4861

MT= 53 (n,n') Level

48-Cd-118

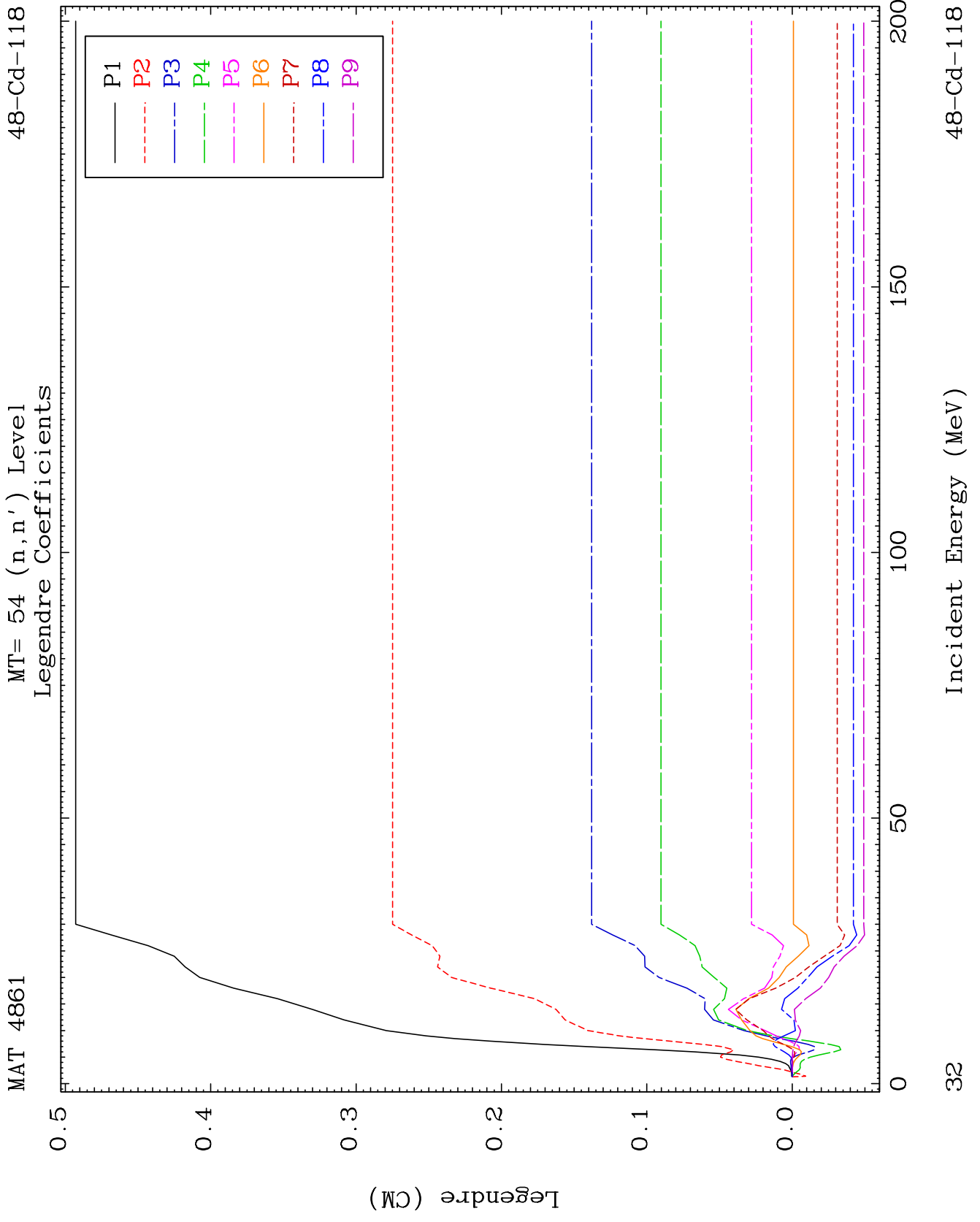
Legendre Coefficients



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Incident Energy (MeV)

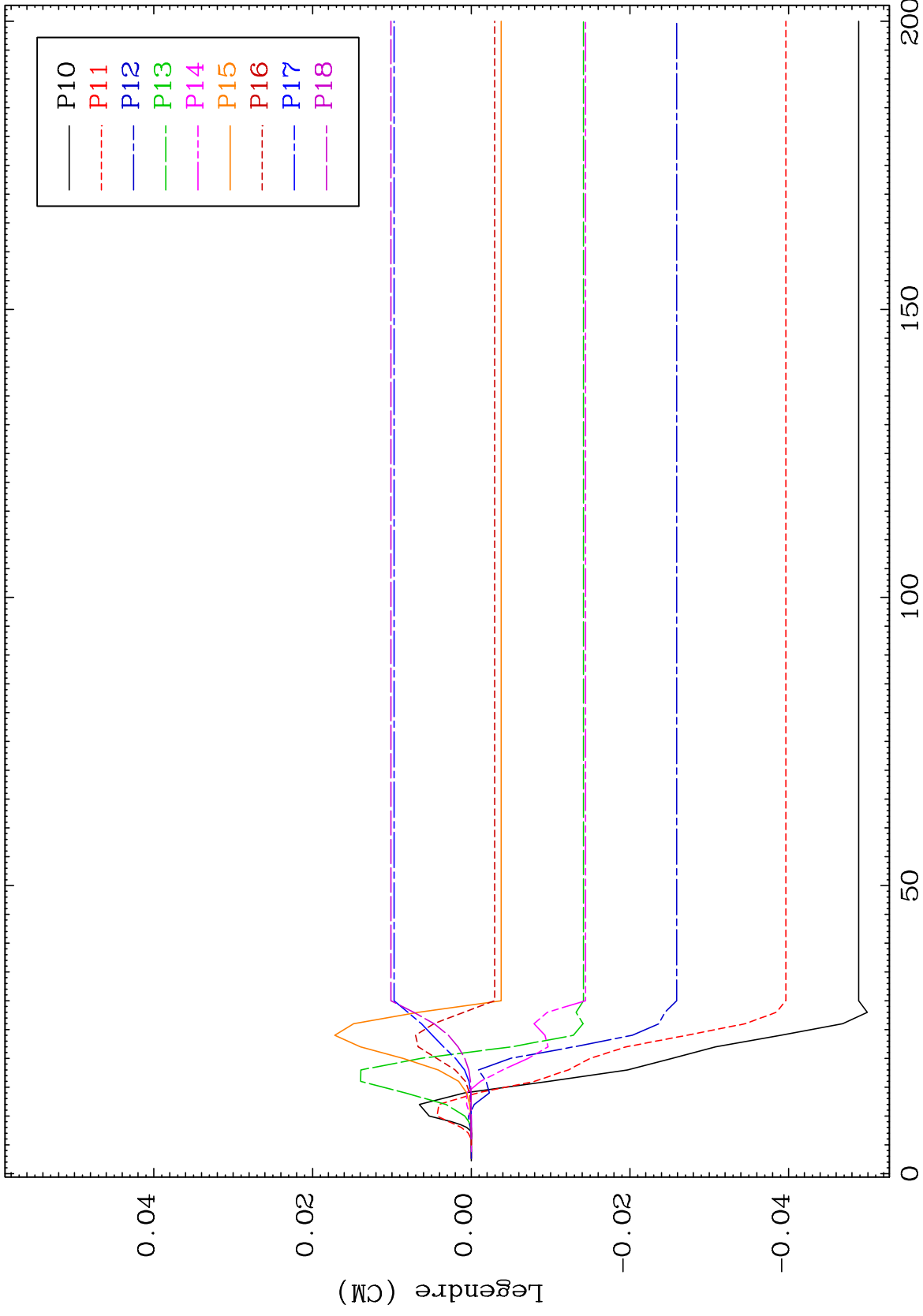
48-Cd-118



MAT 4861

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

48-Cd-118



33

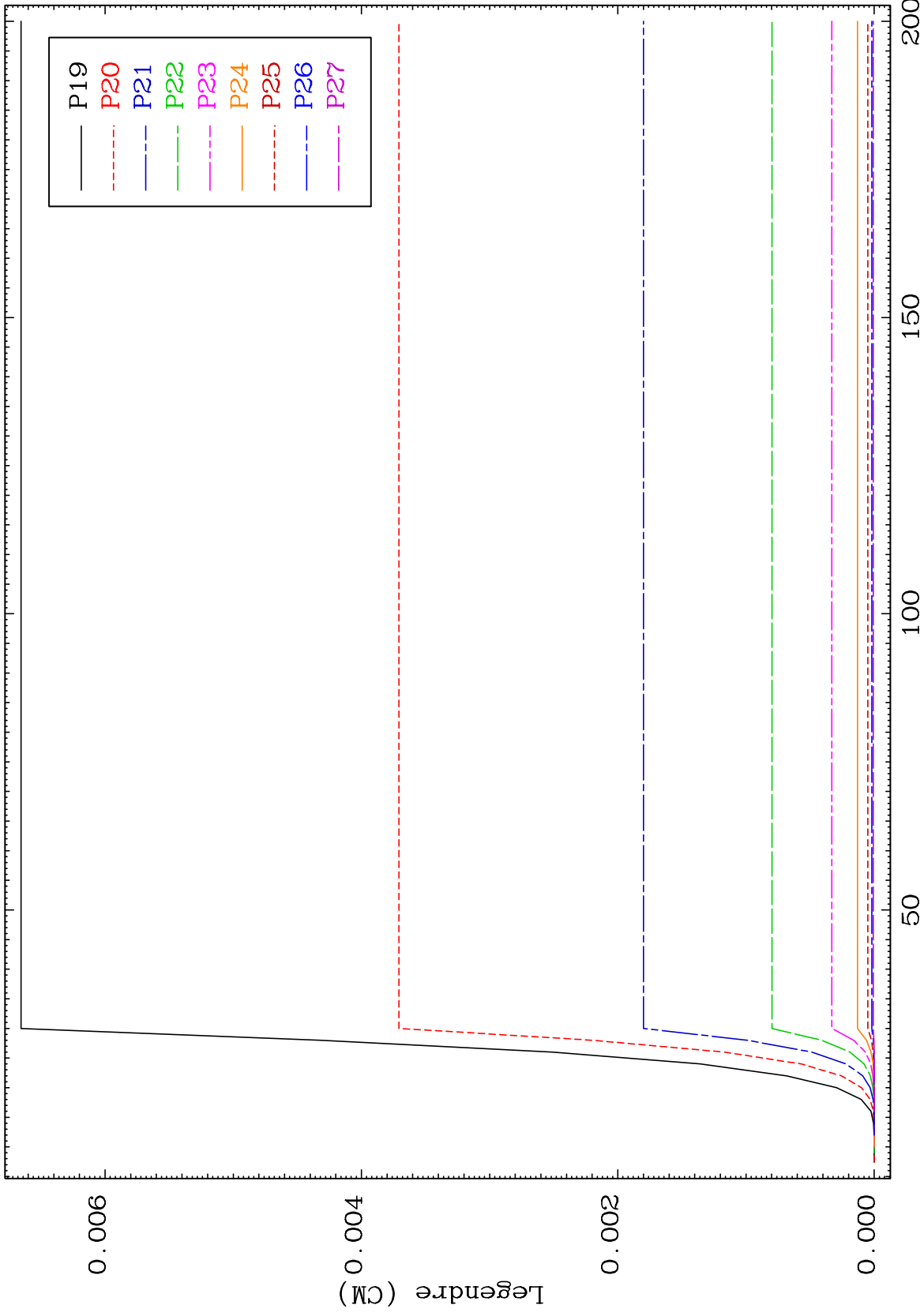
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



34

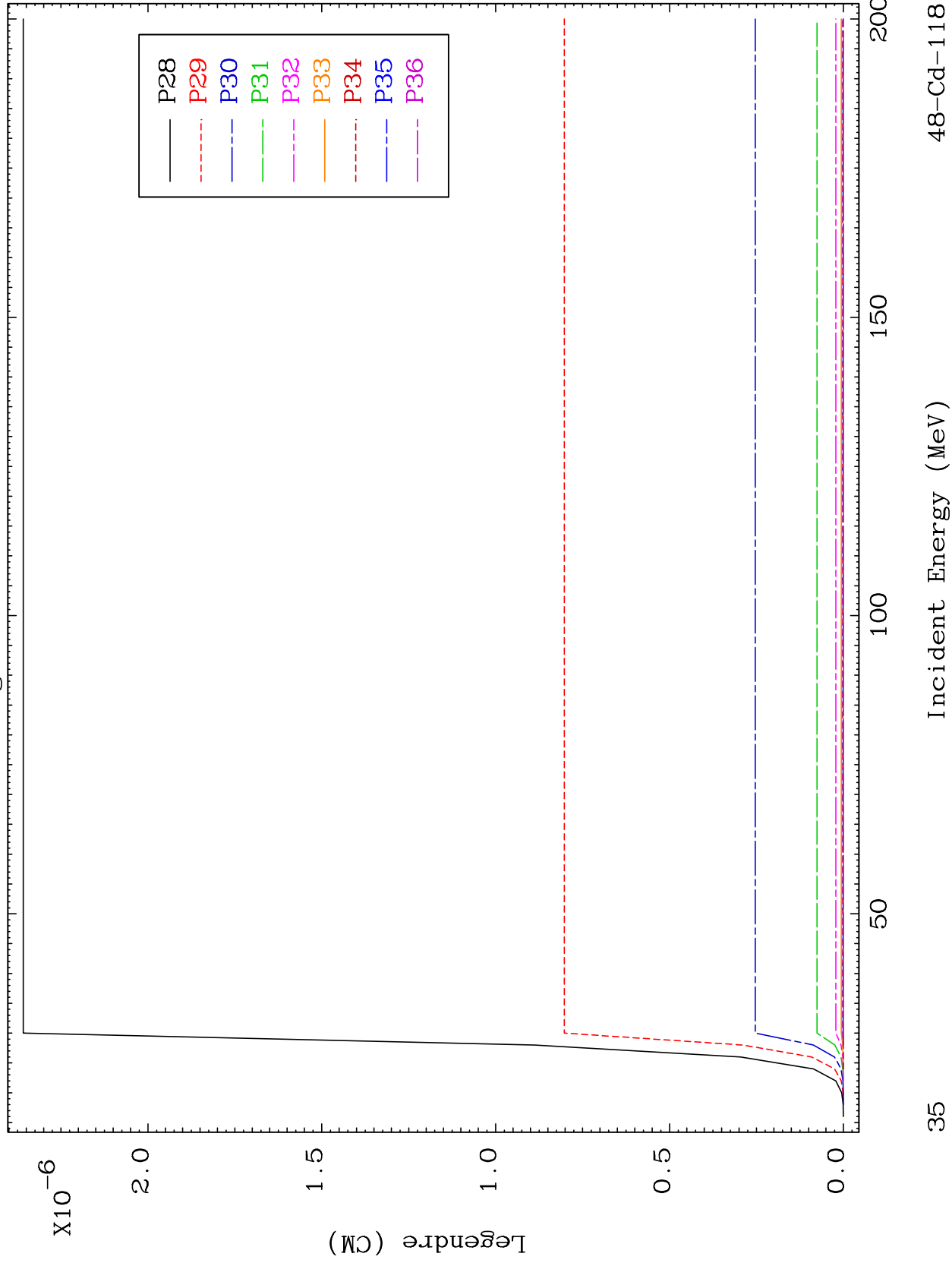
Incident Energy (MeV)

48-Cd-118

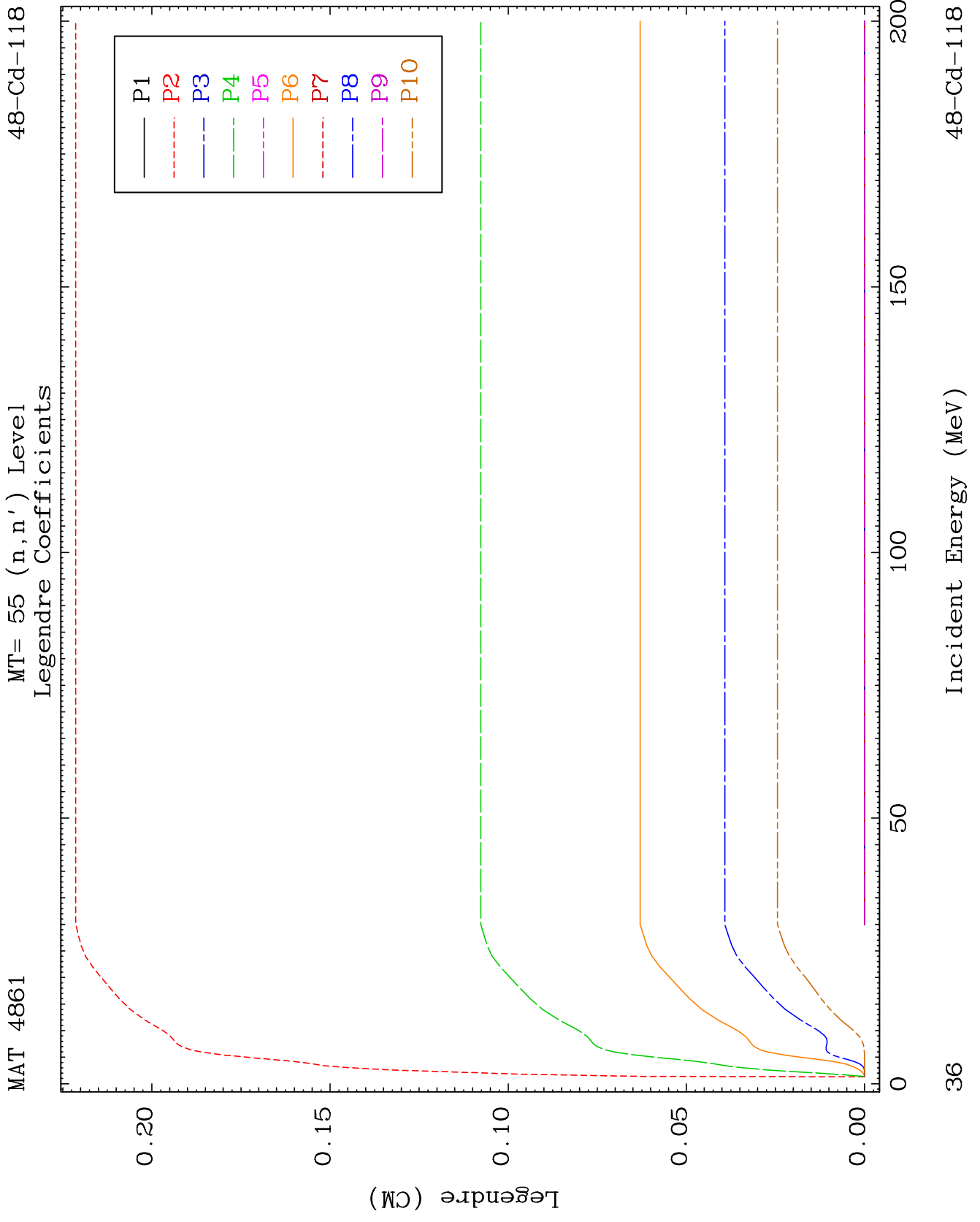
MAT 4861

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

48-Cd-118



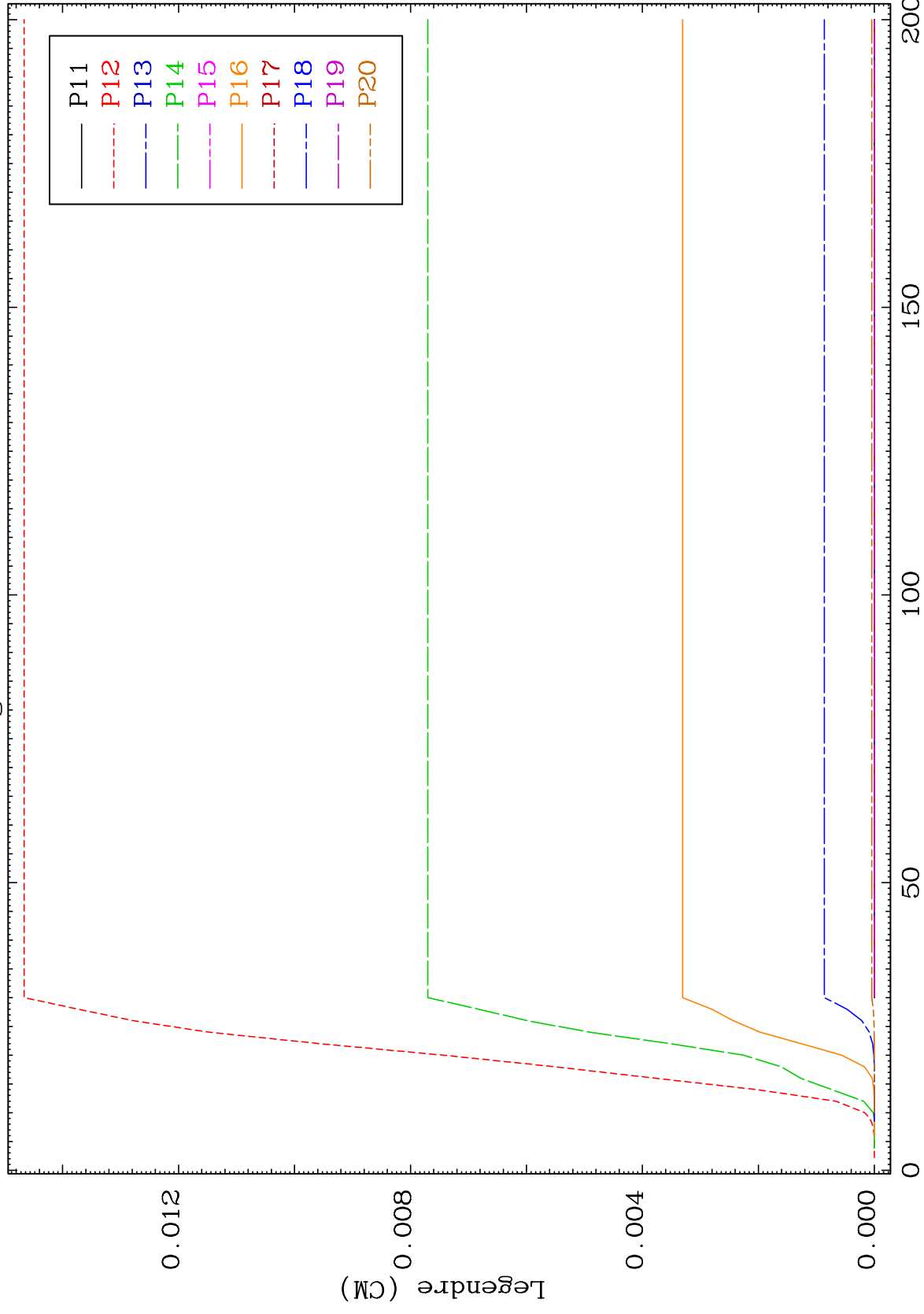
35



MAT 4861

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

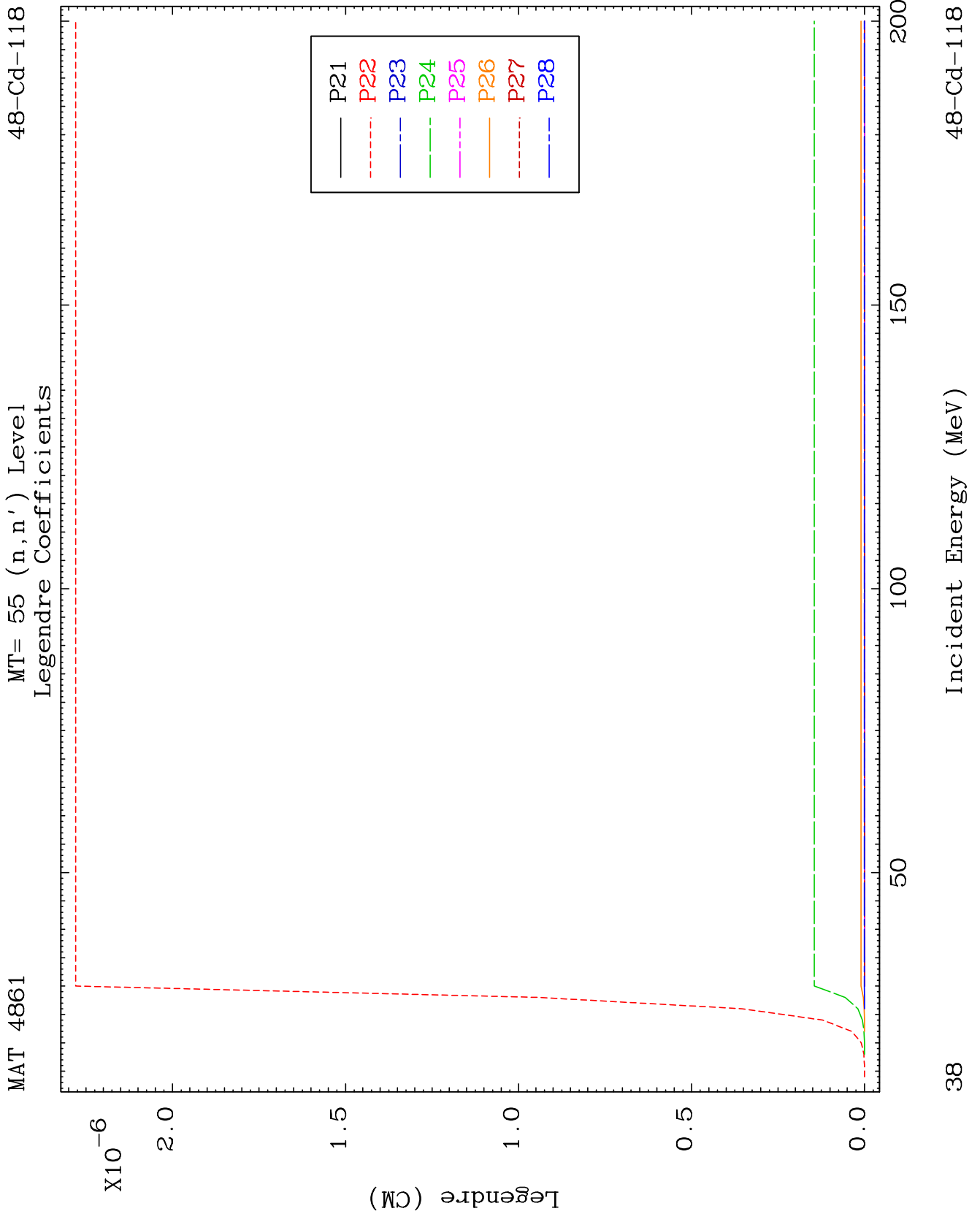
48-Cd-118

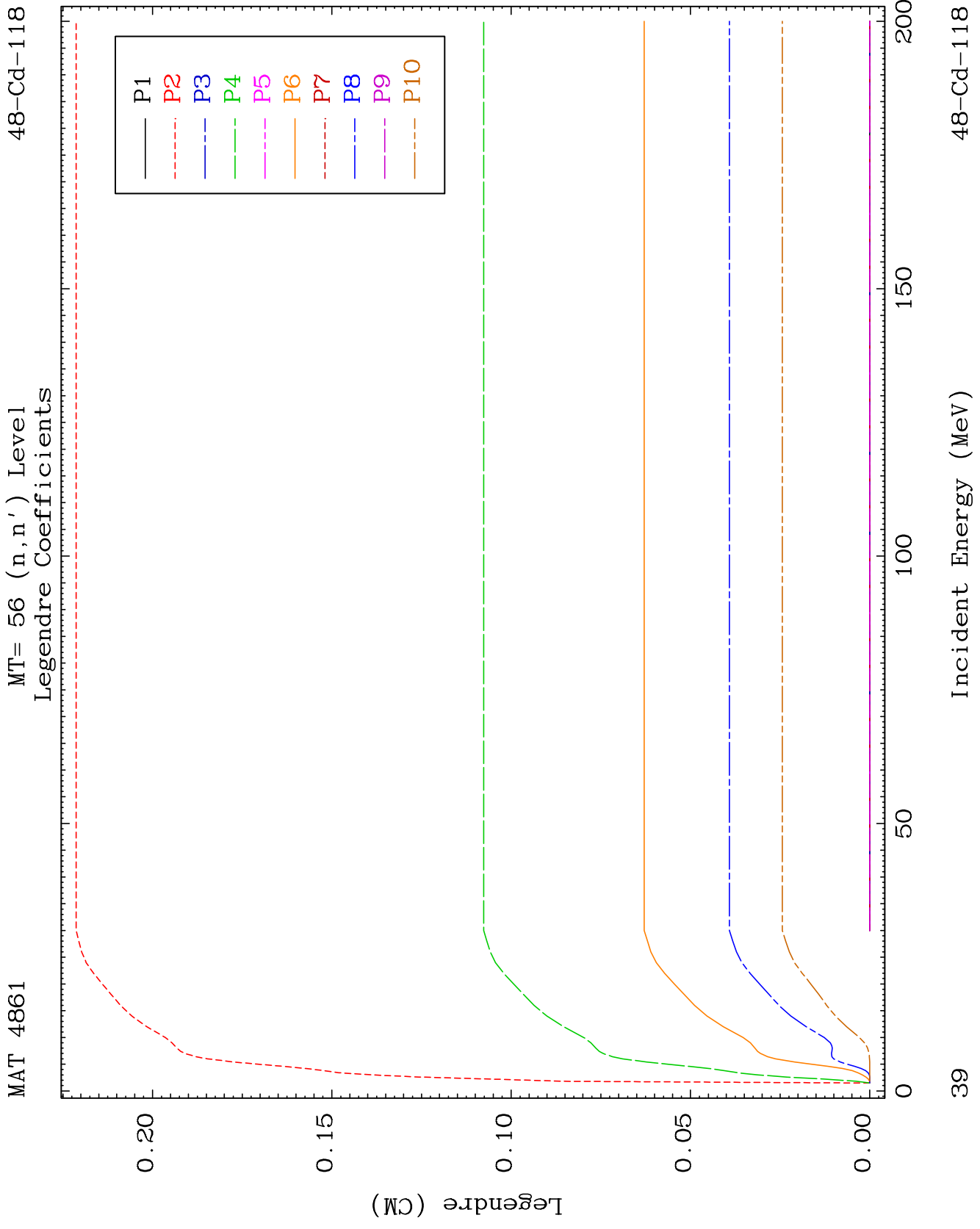


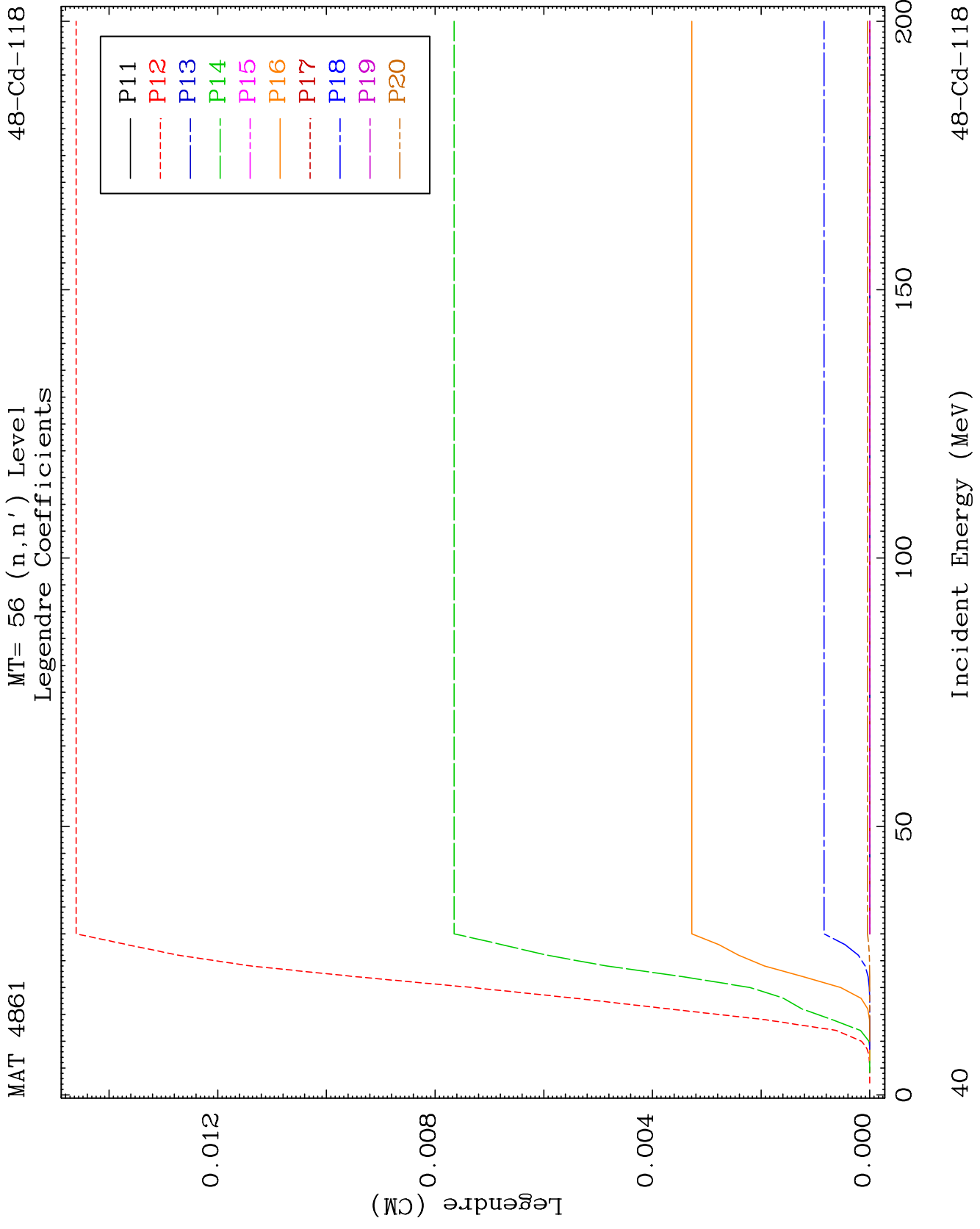
37

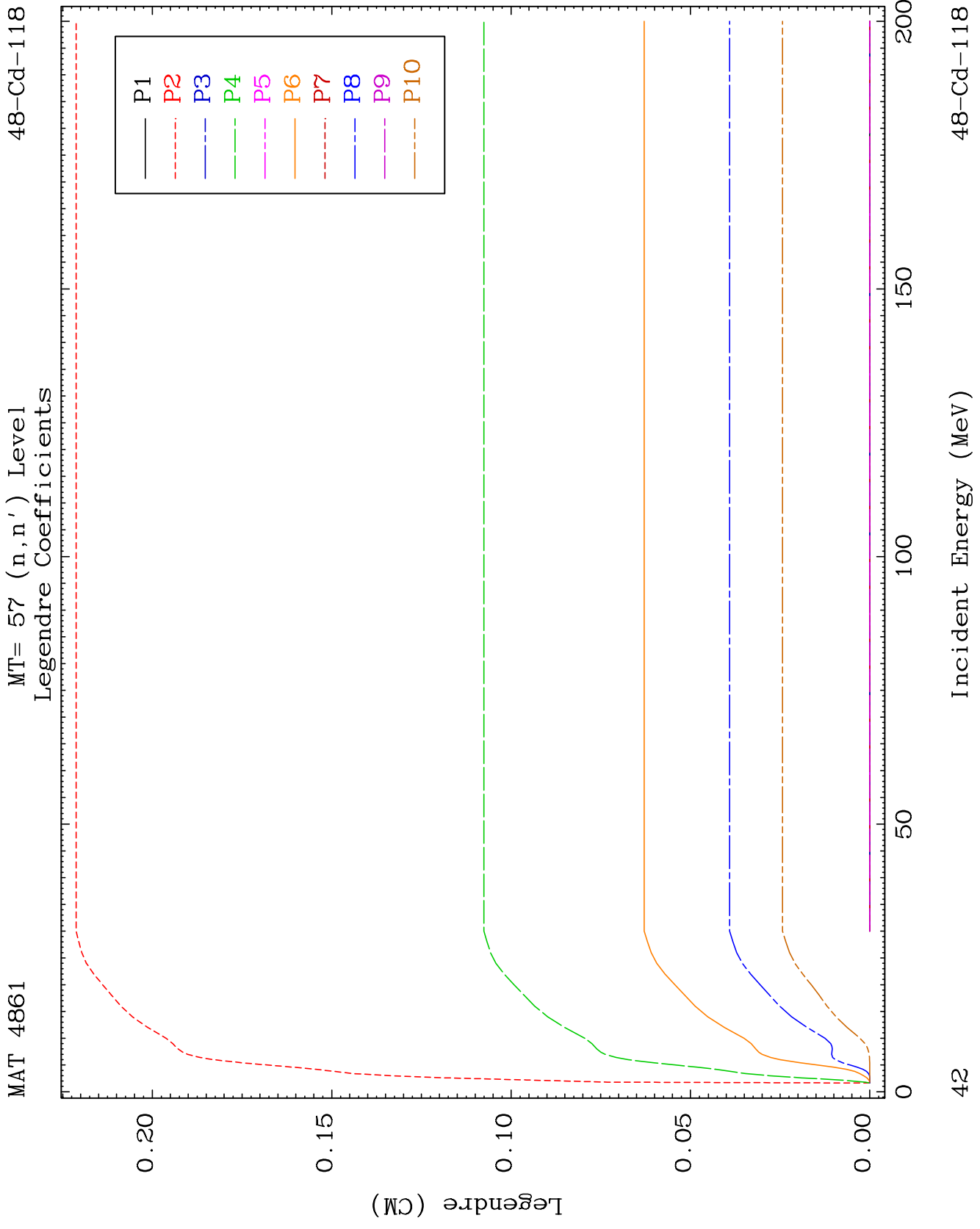
Incident Energy (MeV)

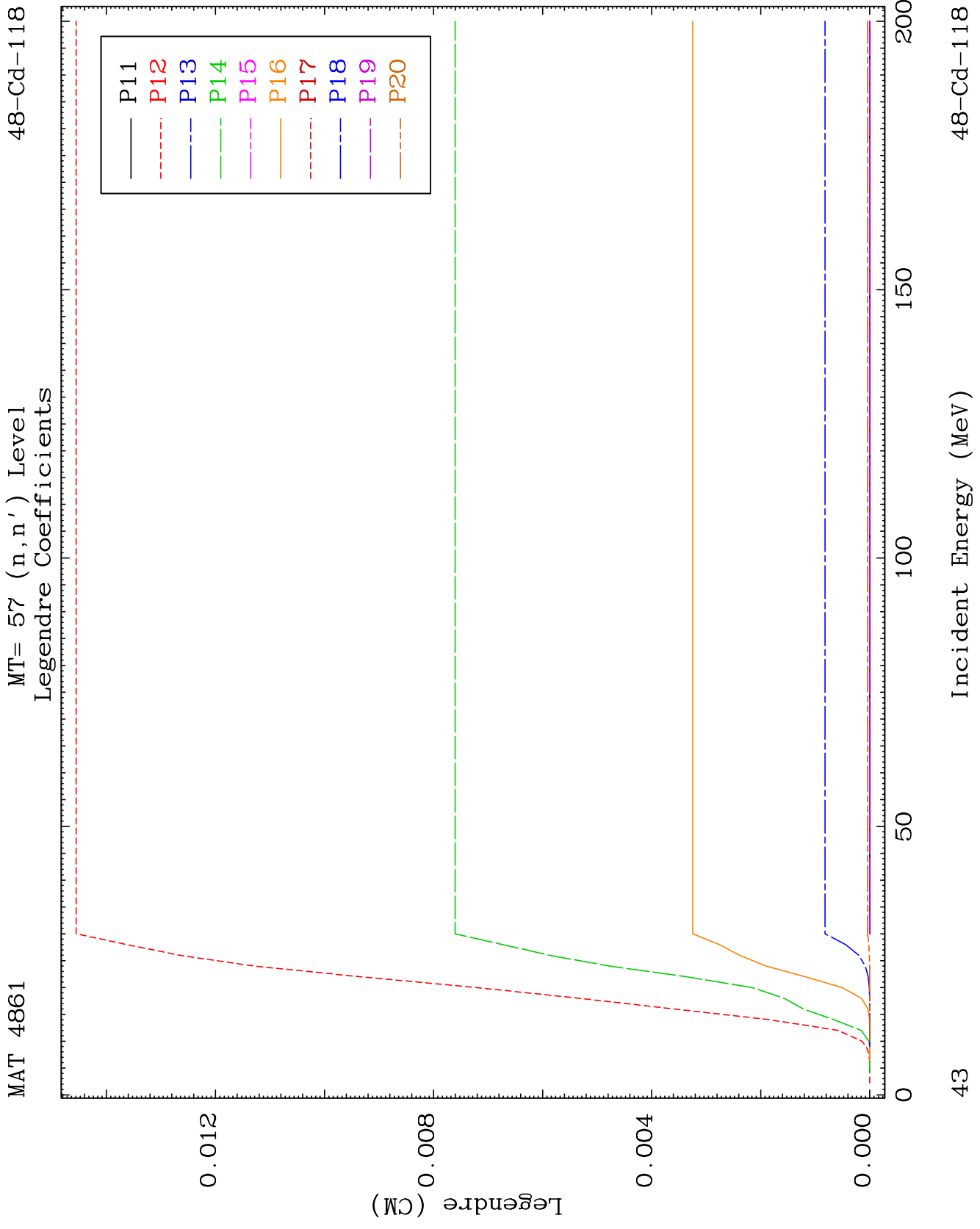
48-Cd-118







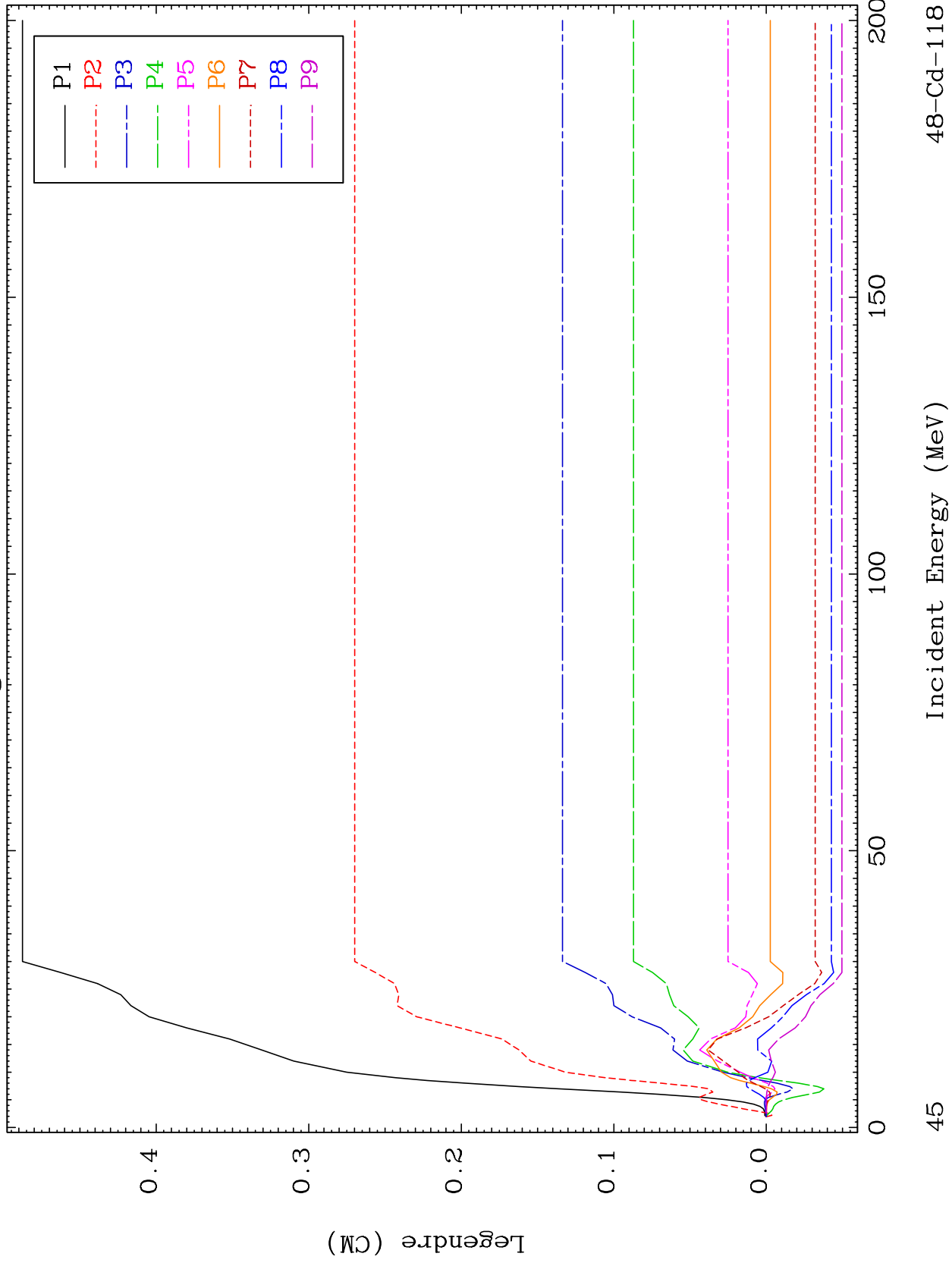




MAT 4861

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

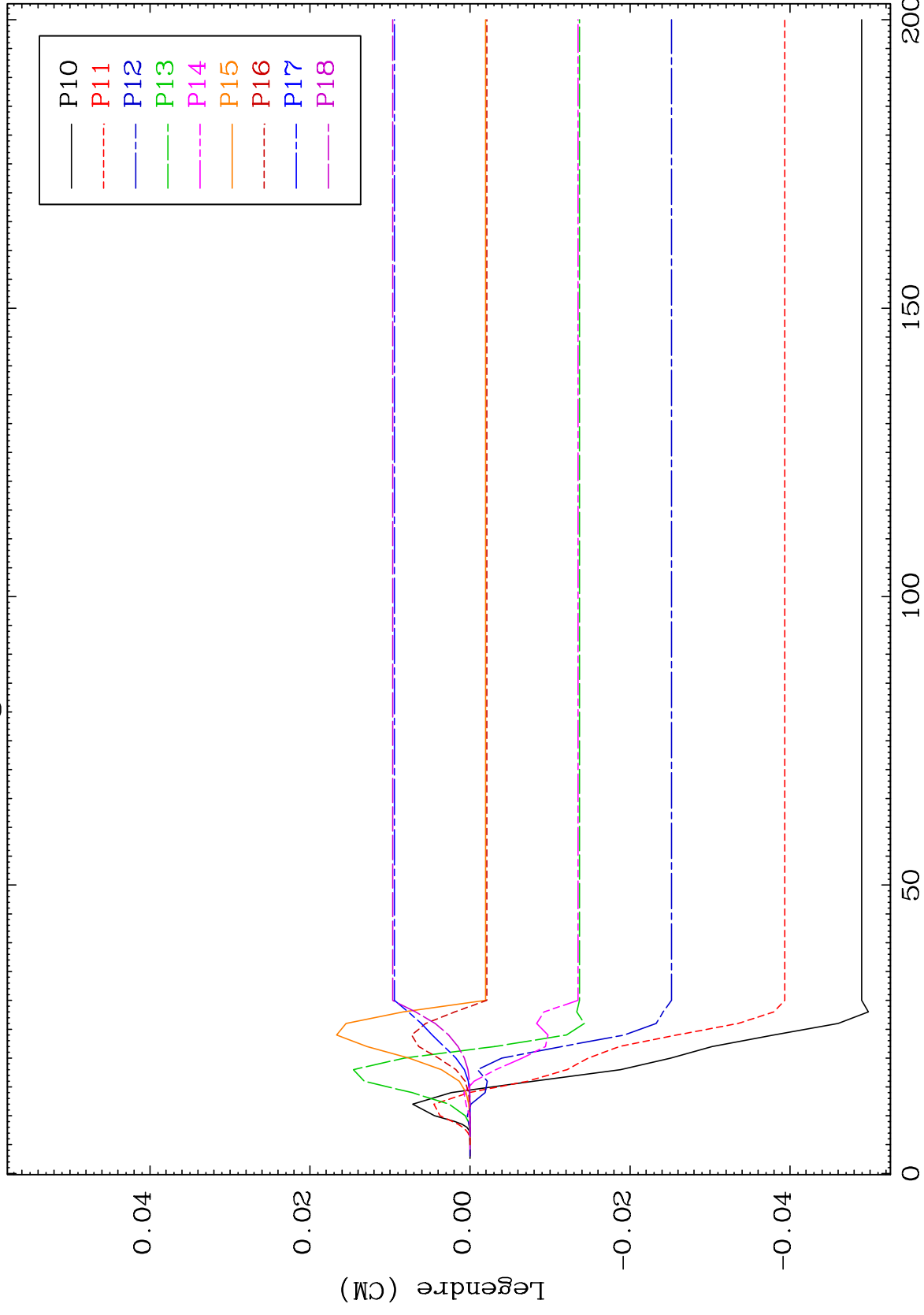
48-Cd-118



MAT 4861

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

48-Cd-118



46

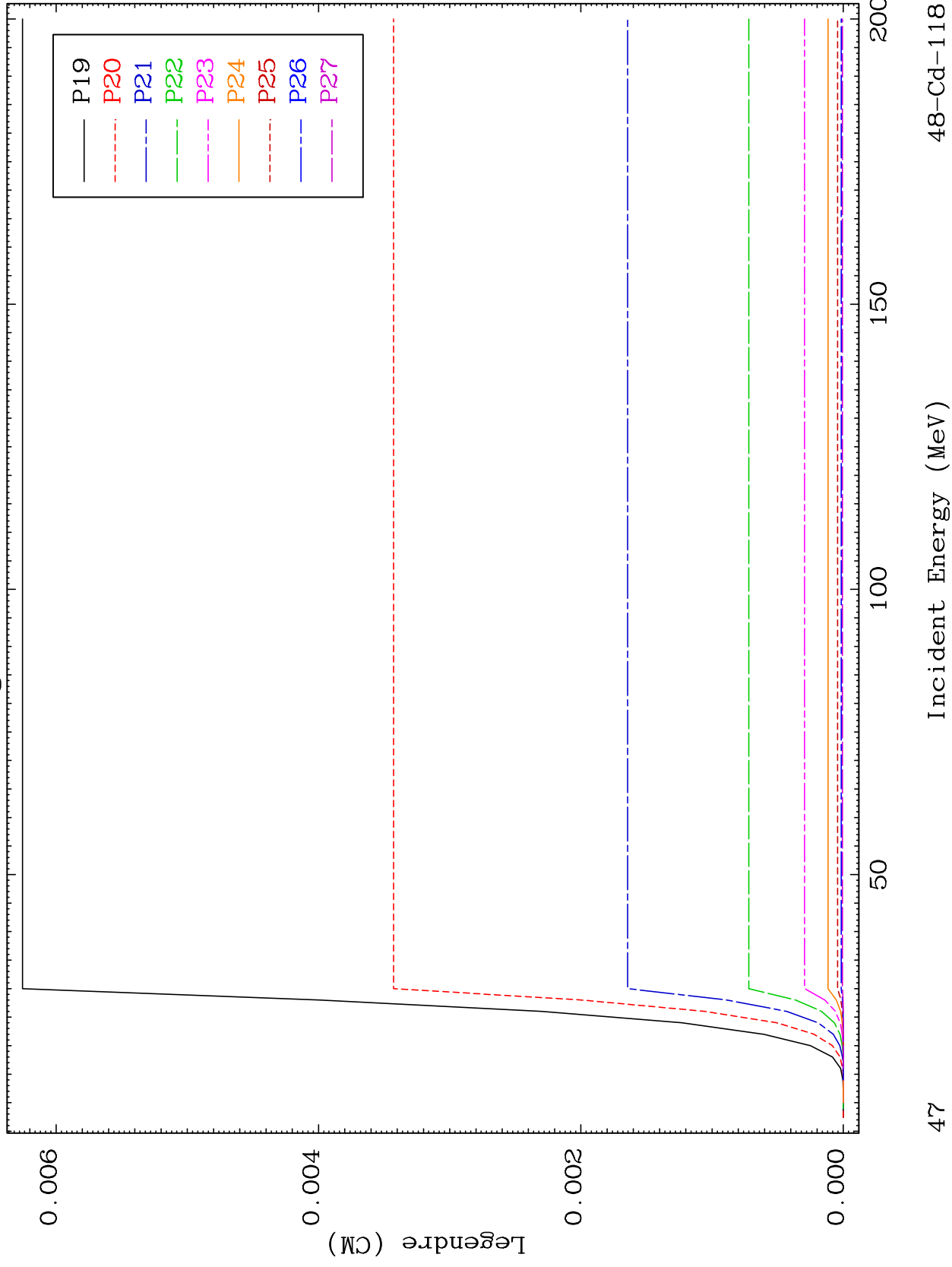
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



47

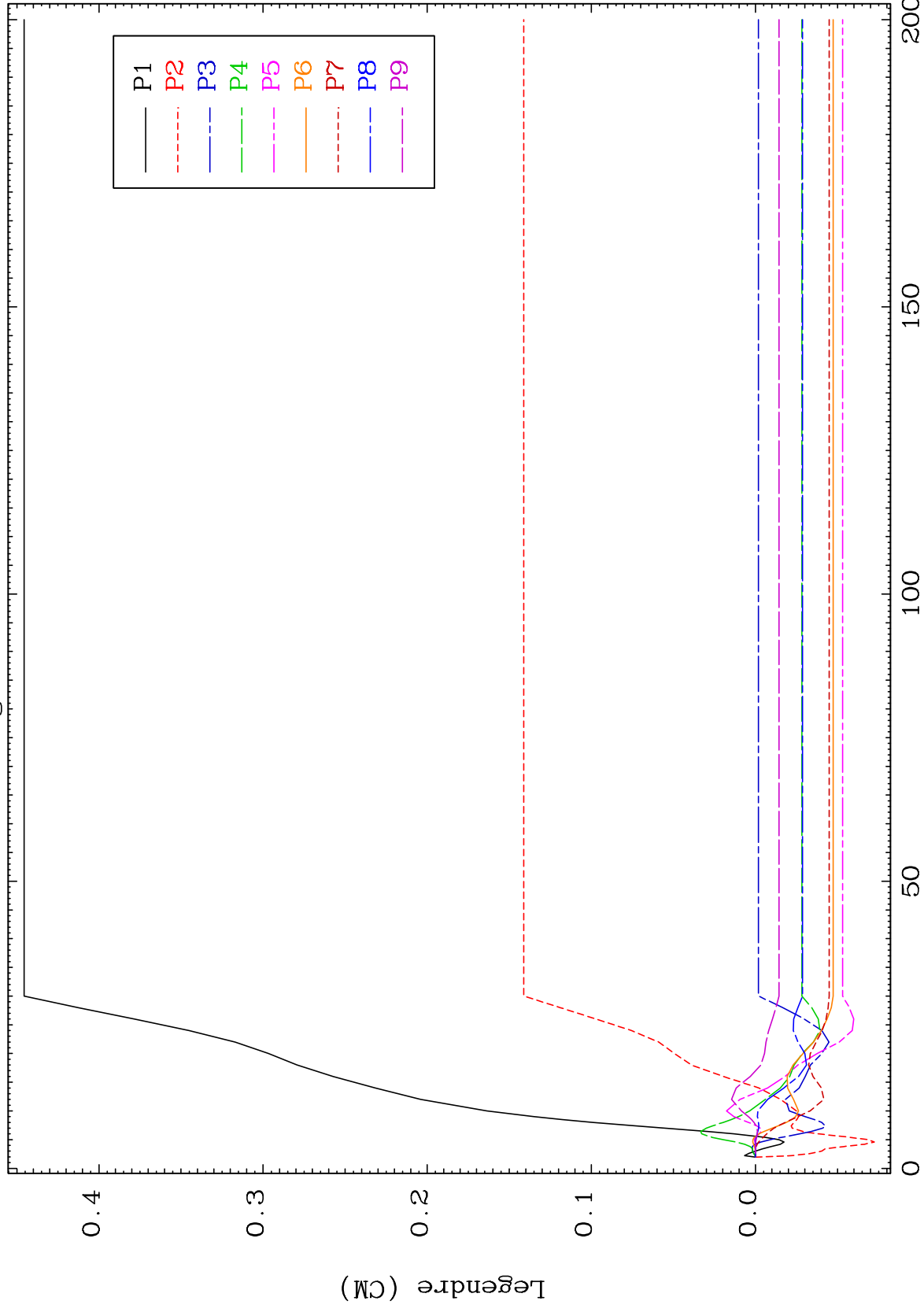
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



49

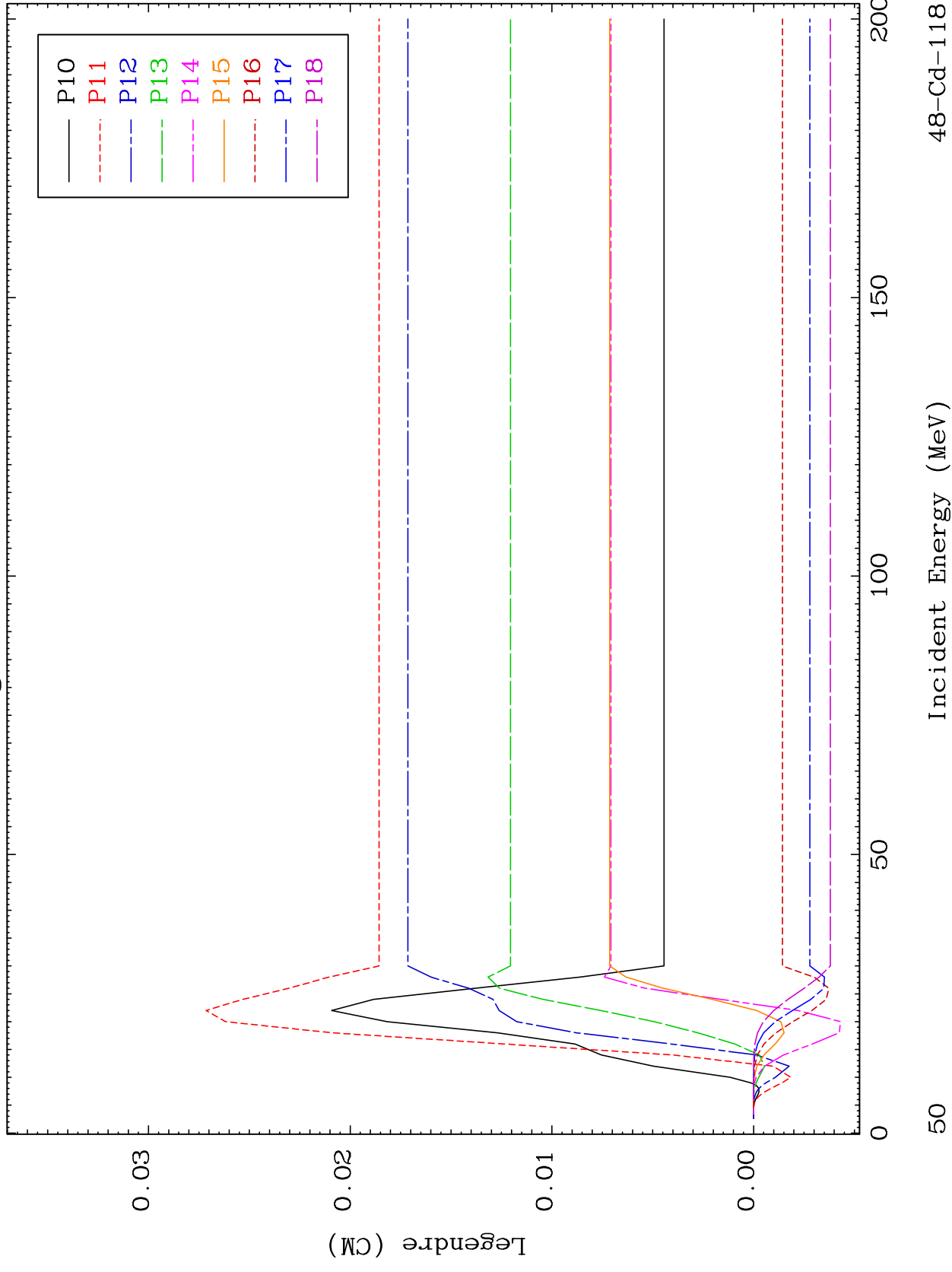
Incident Energy (MeV)

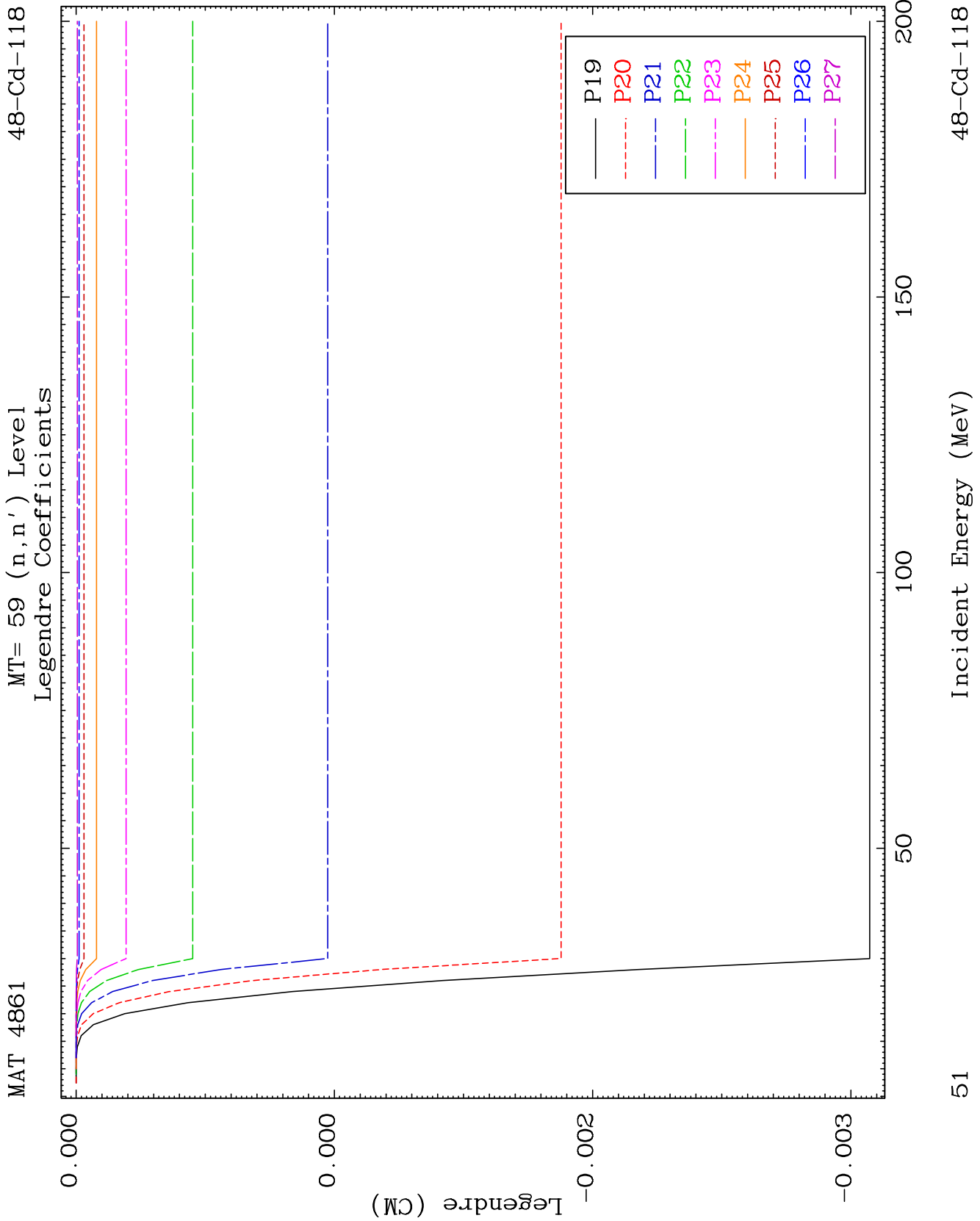
48-Cd-118

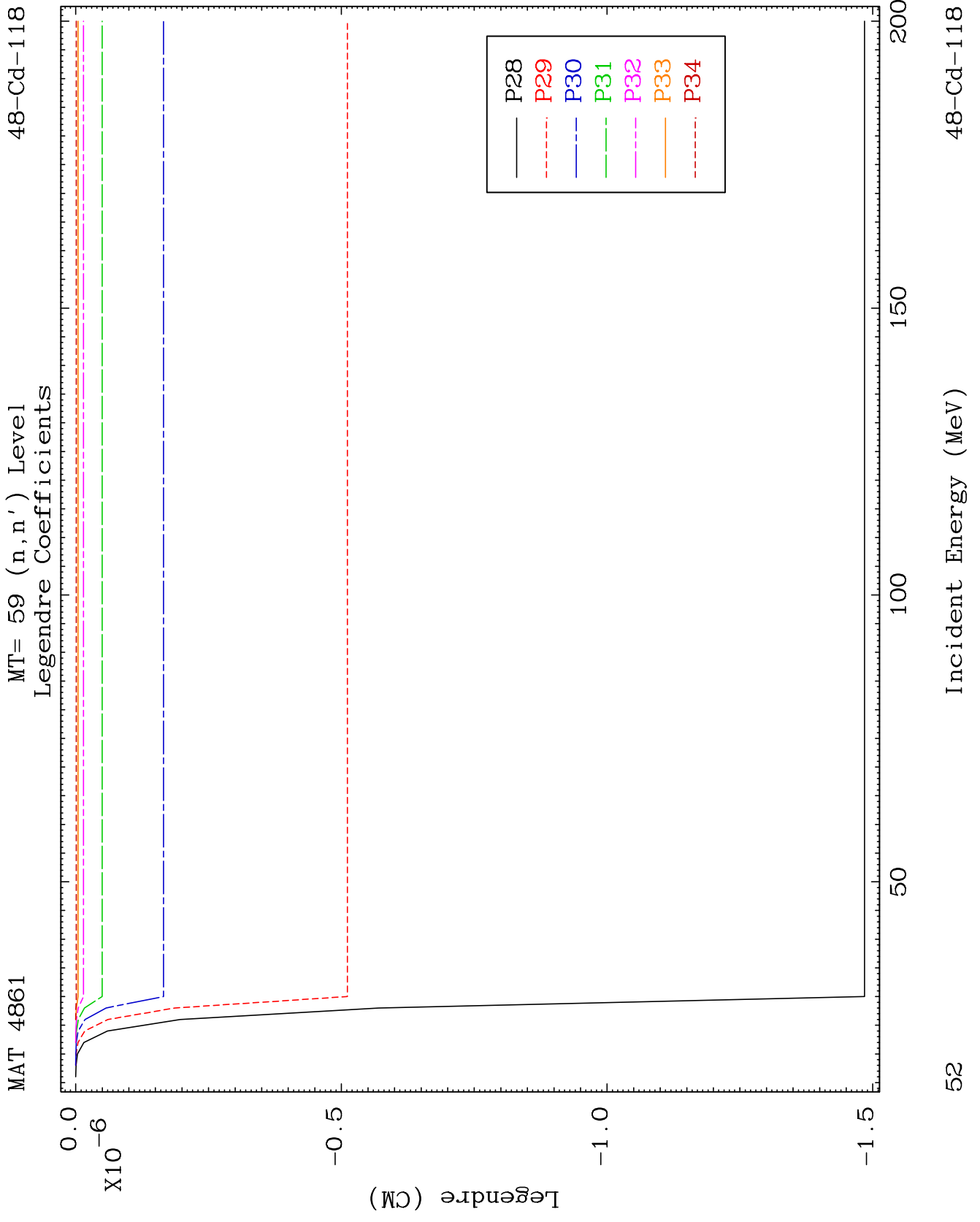
MAT 4861

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

48-Cd-118



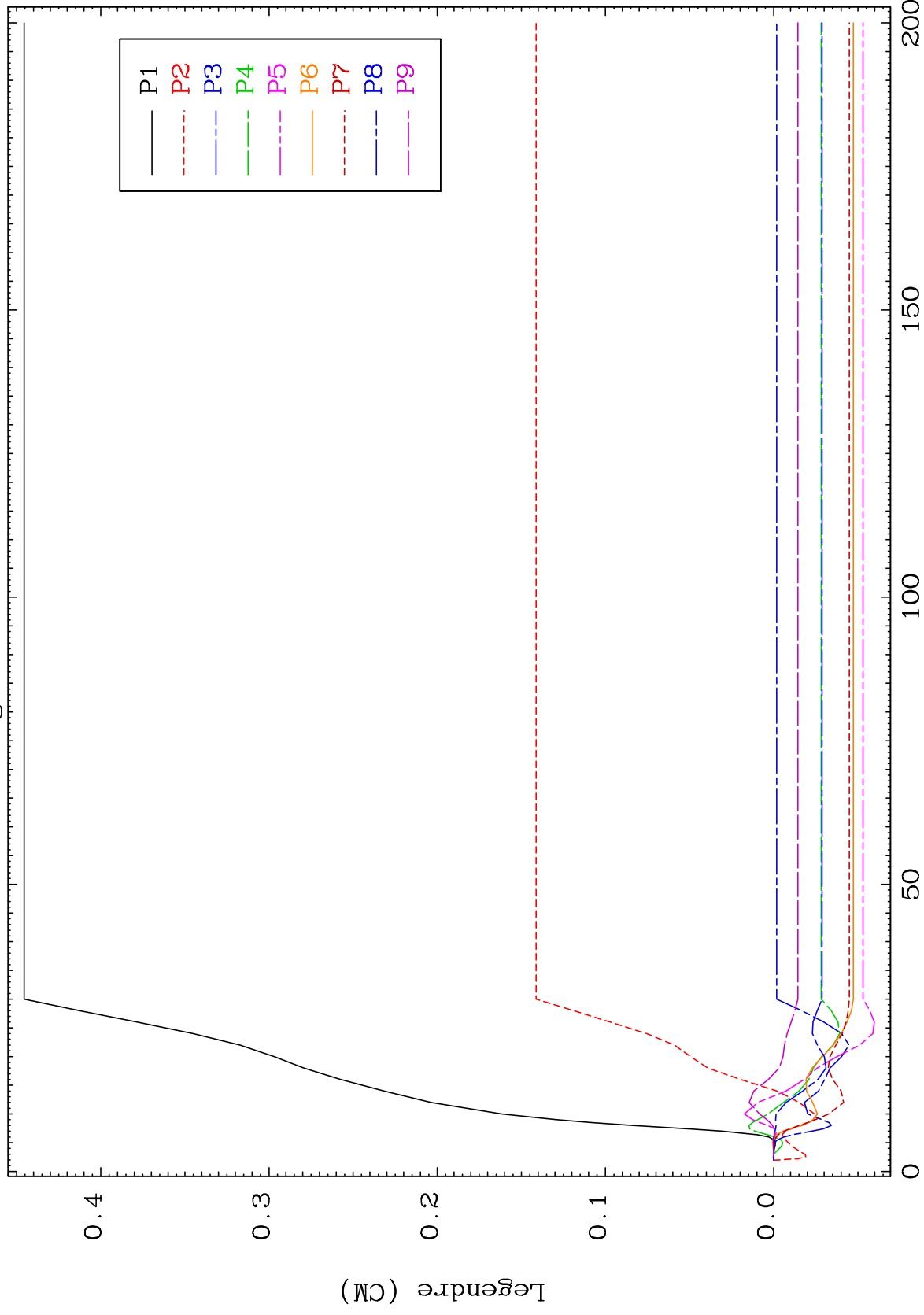




MAT 4861

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

48-Cd-118



53

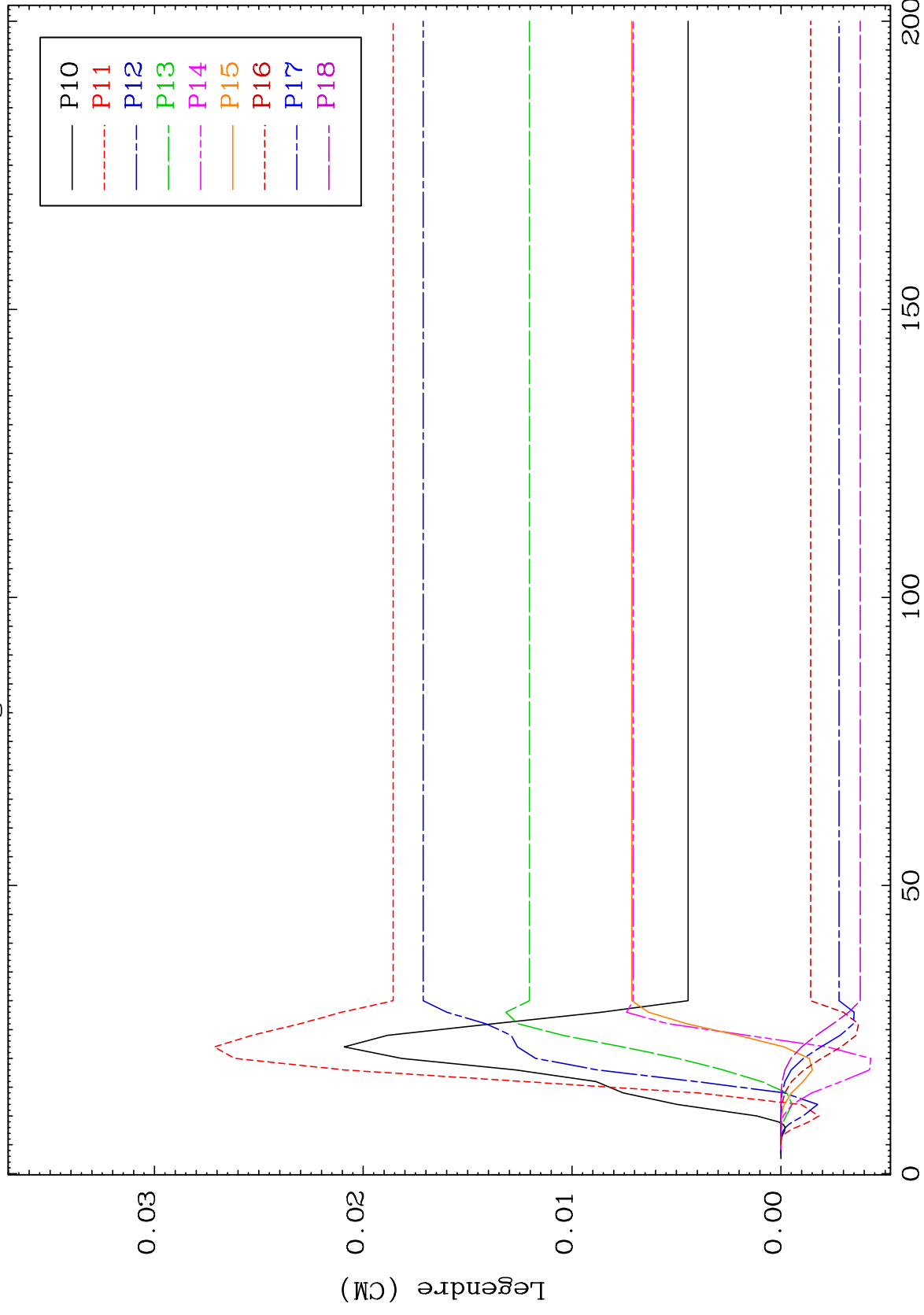
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

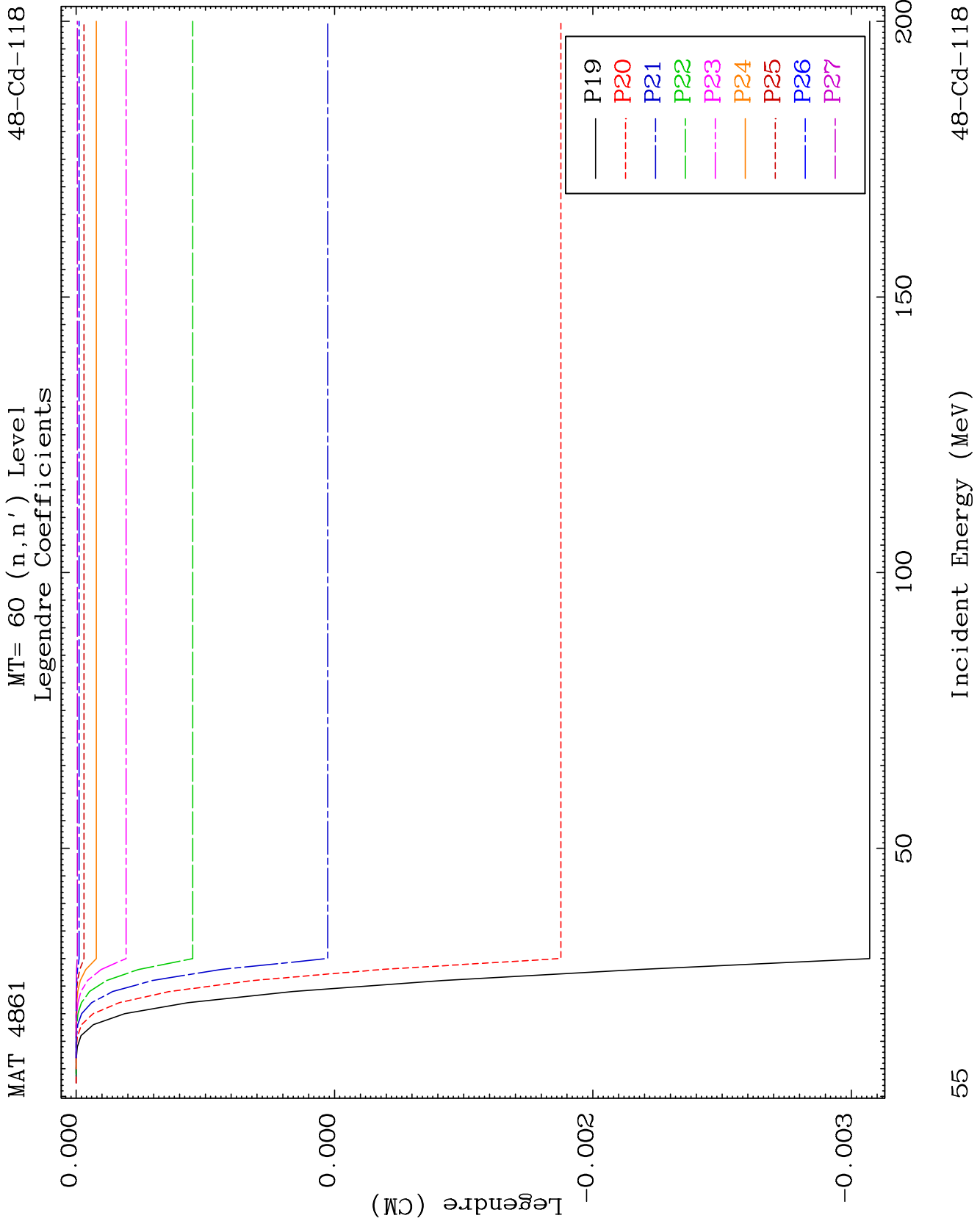
48-Cd-118

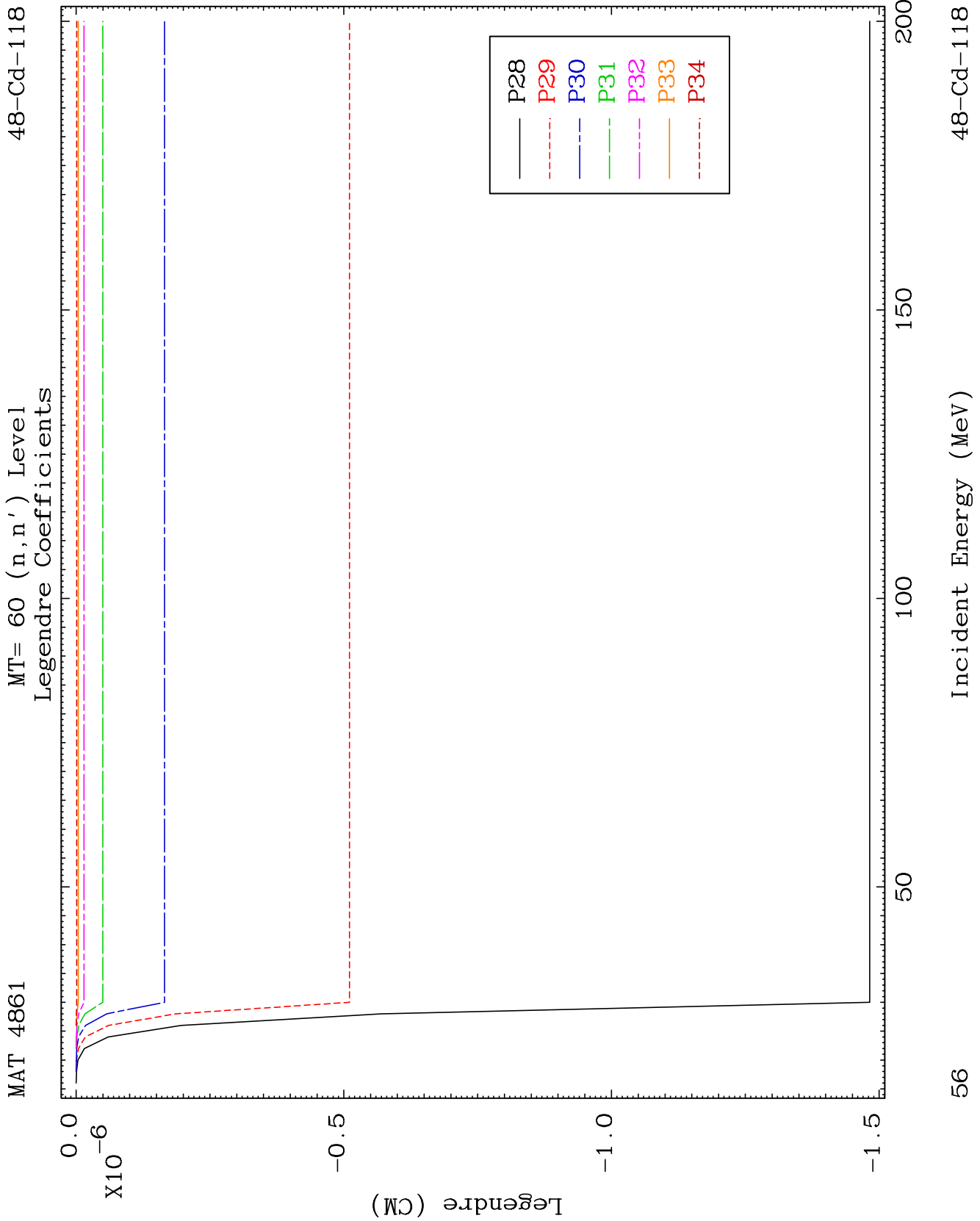


54

Incident Energy (MeV)

48-Cd-118

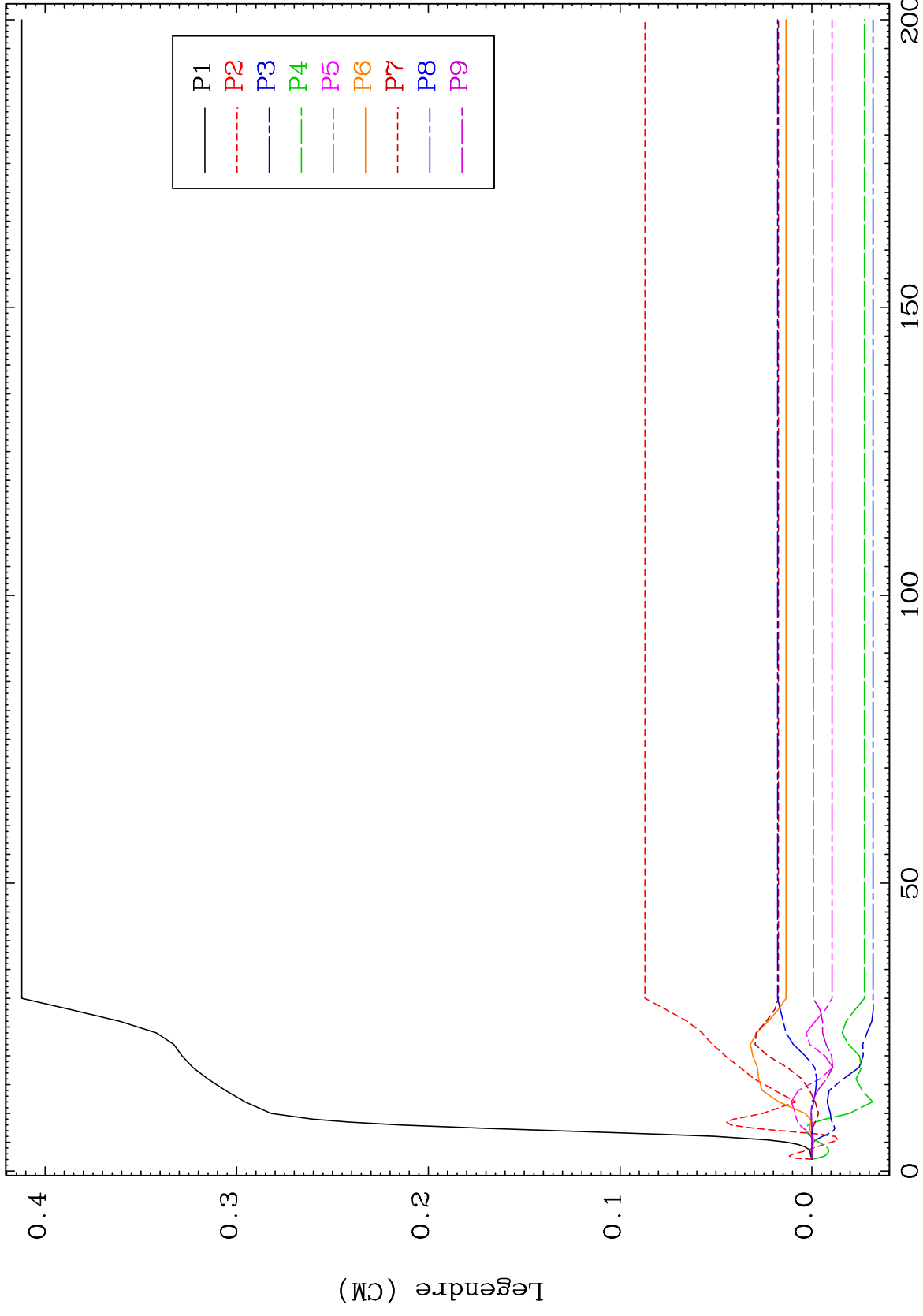




MAT 4861

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

48-Cd-118



57

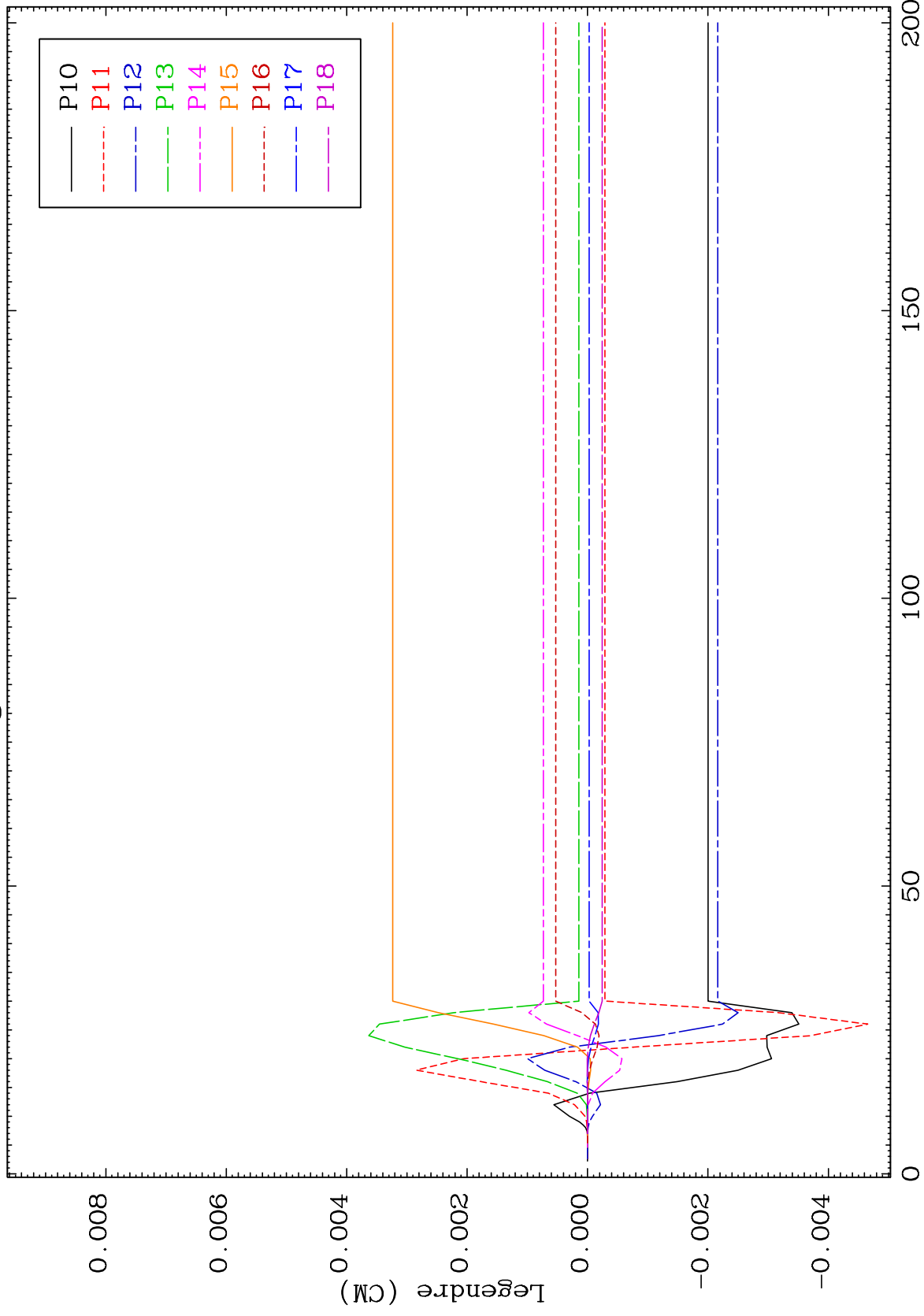
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



58

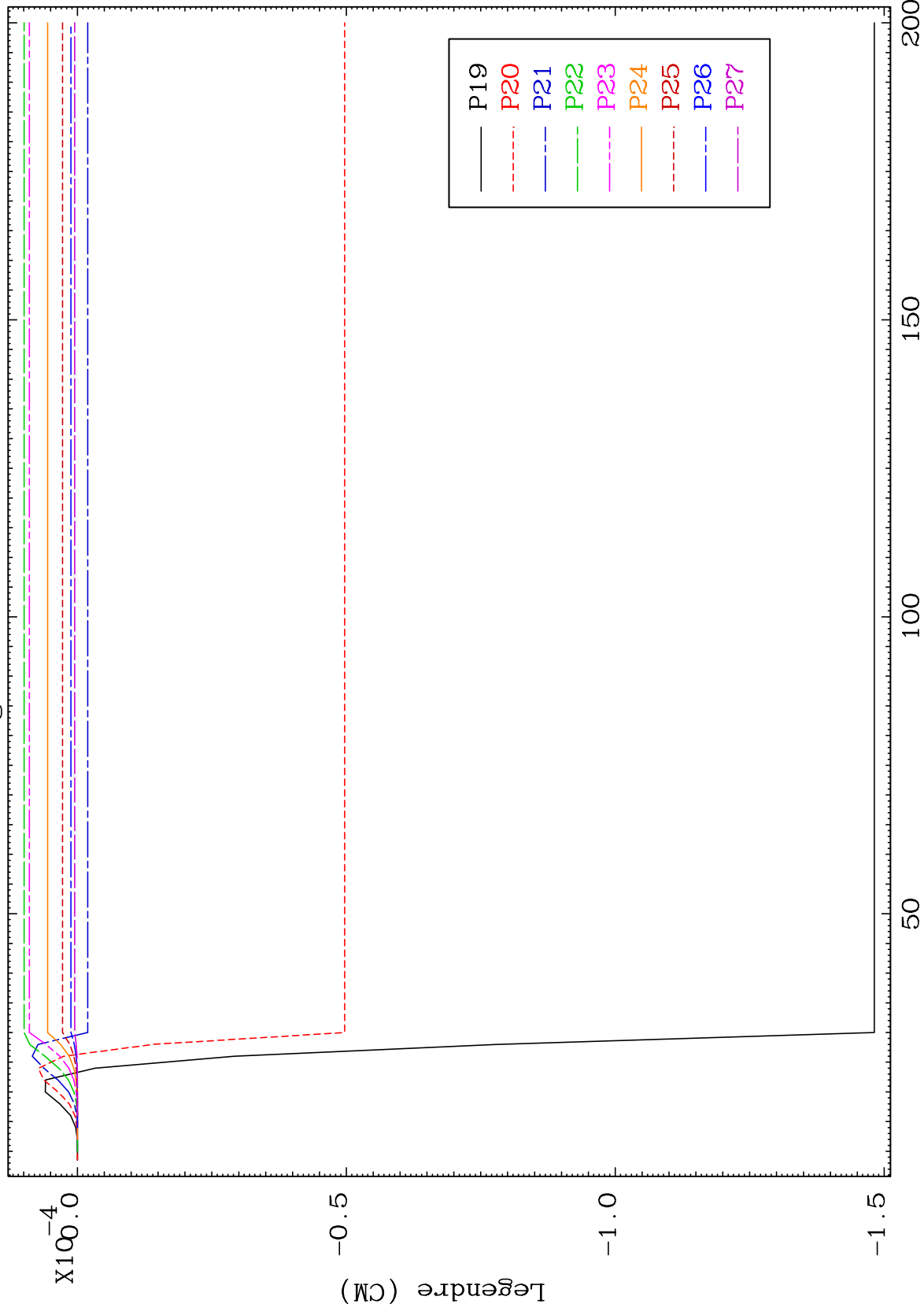
Incident Energy (MeV)

48-Cd-118

MAT 4861

48-Cd-118

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



59

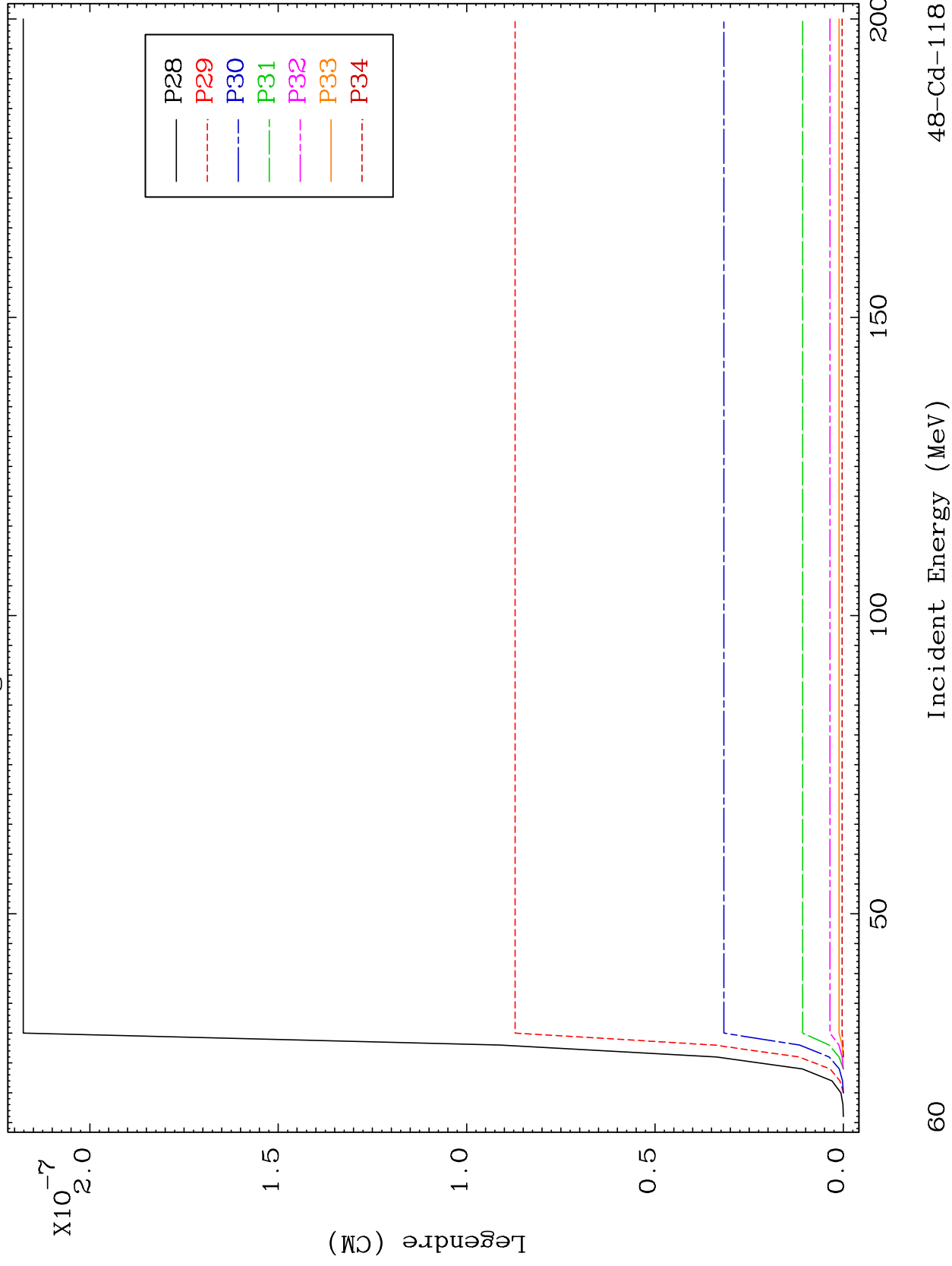
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

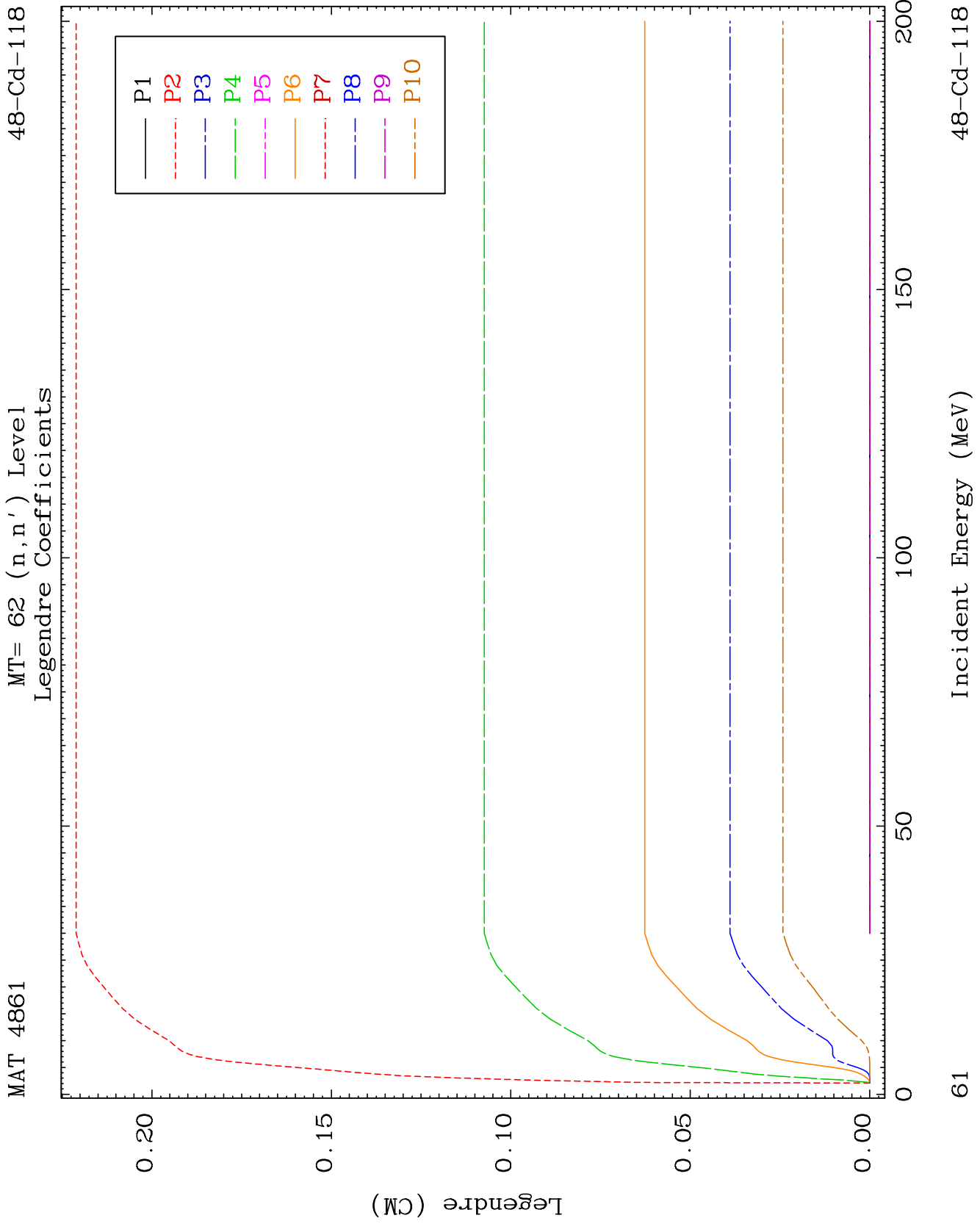
48-Cd-118

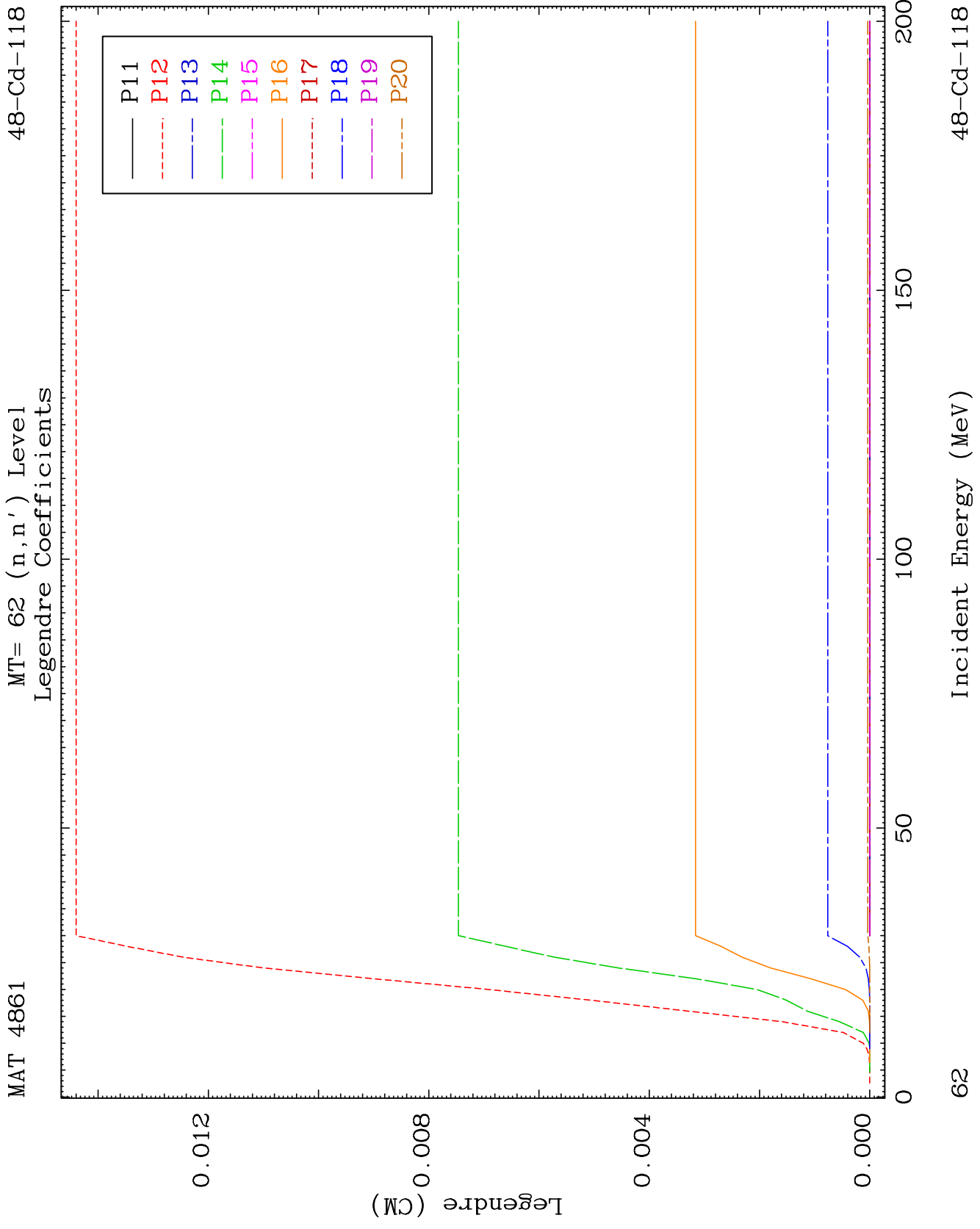


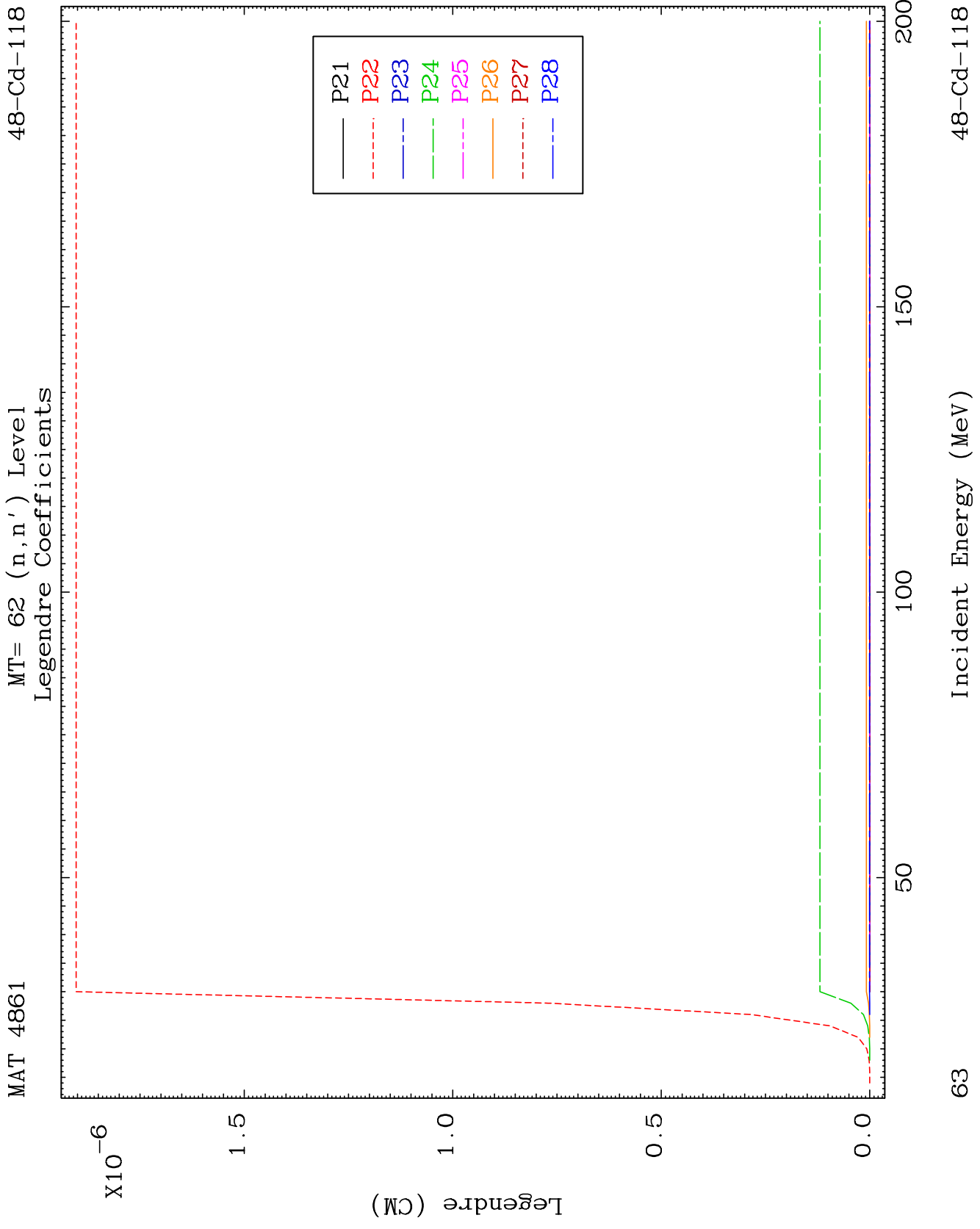
48-Cd-118

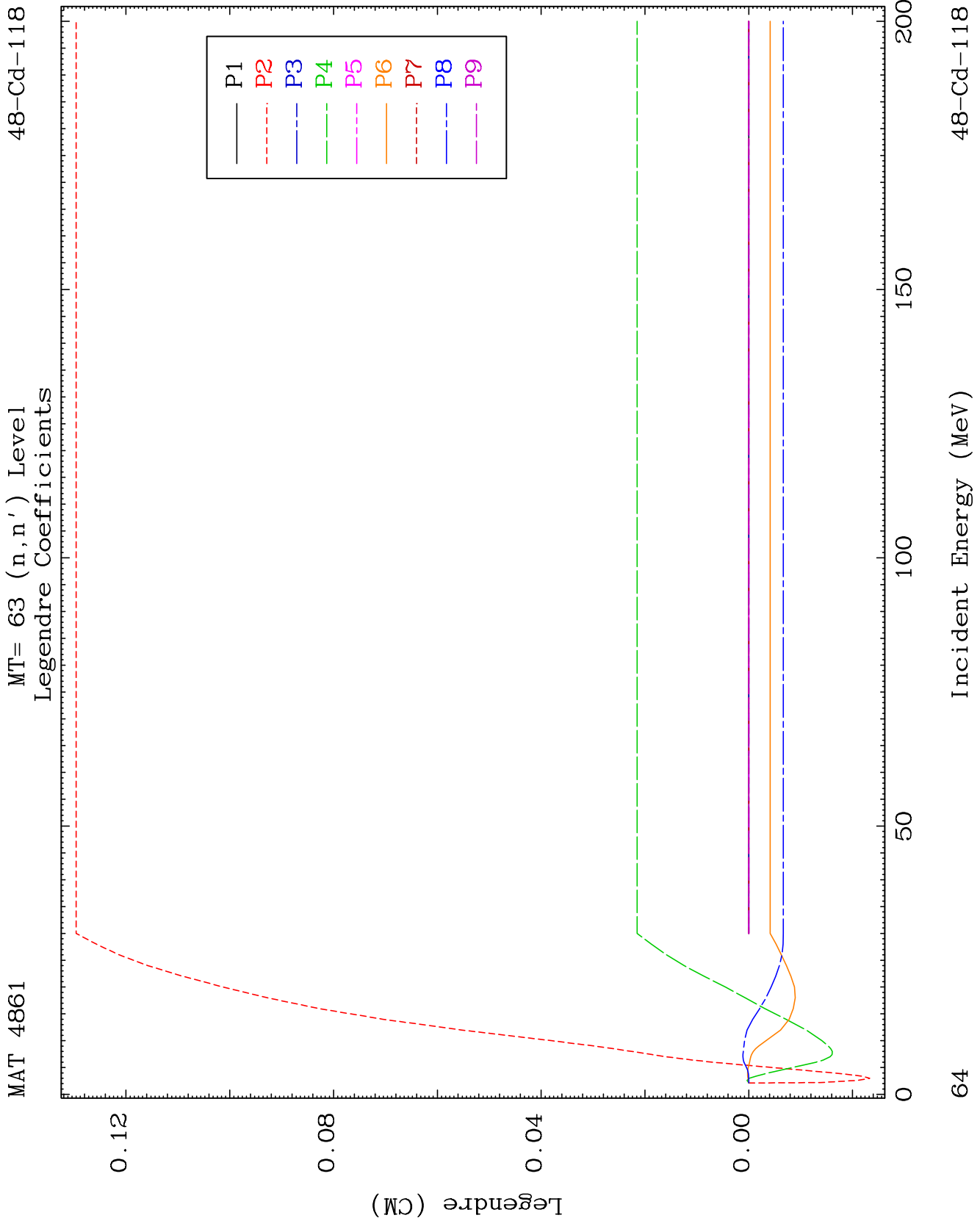
Incident Energy (MeV)

60





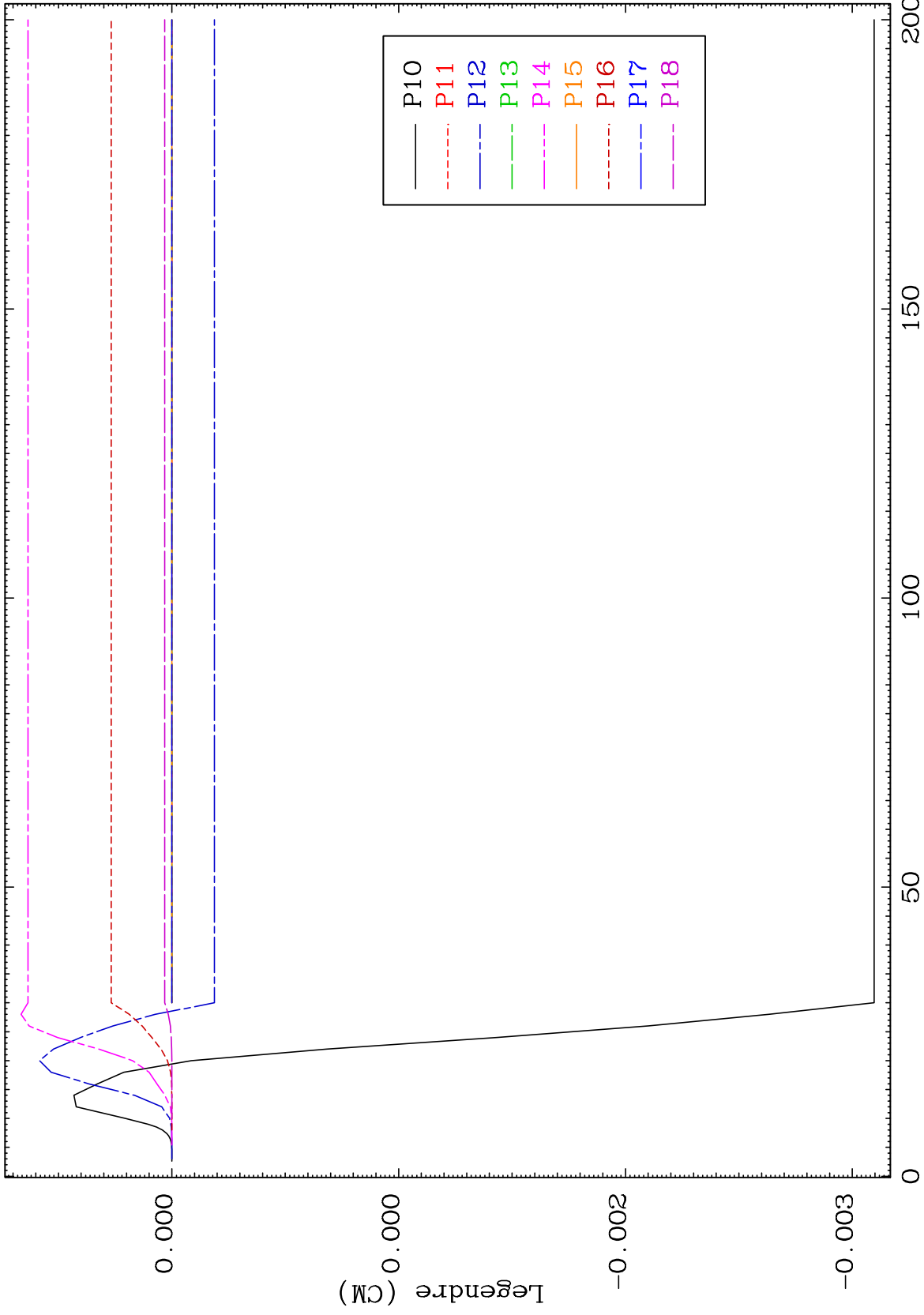




MAT 4861

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

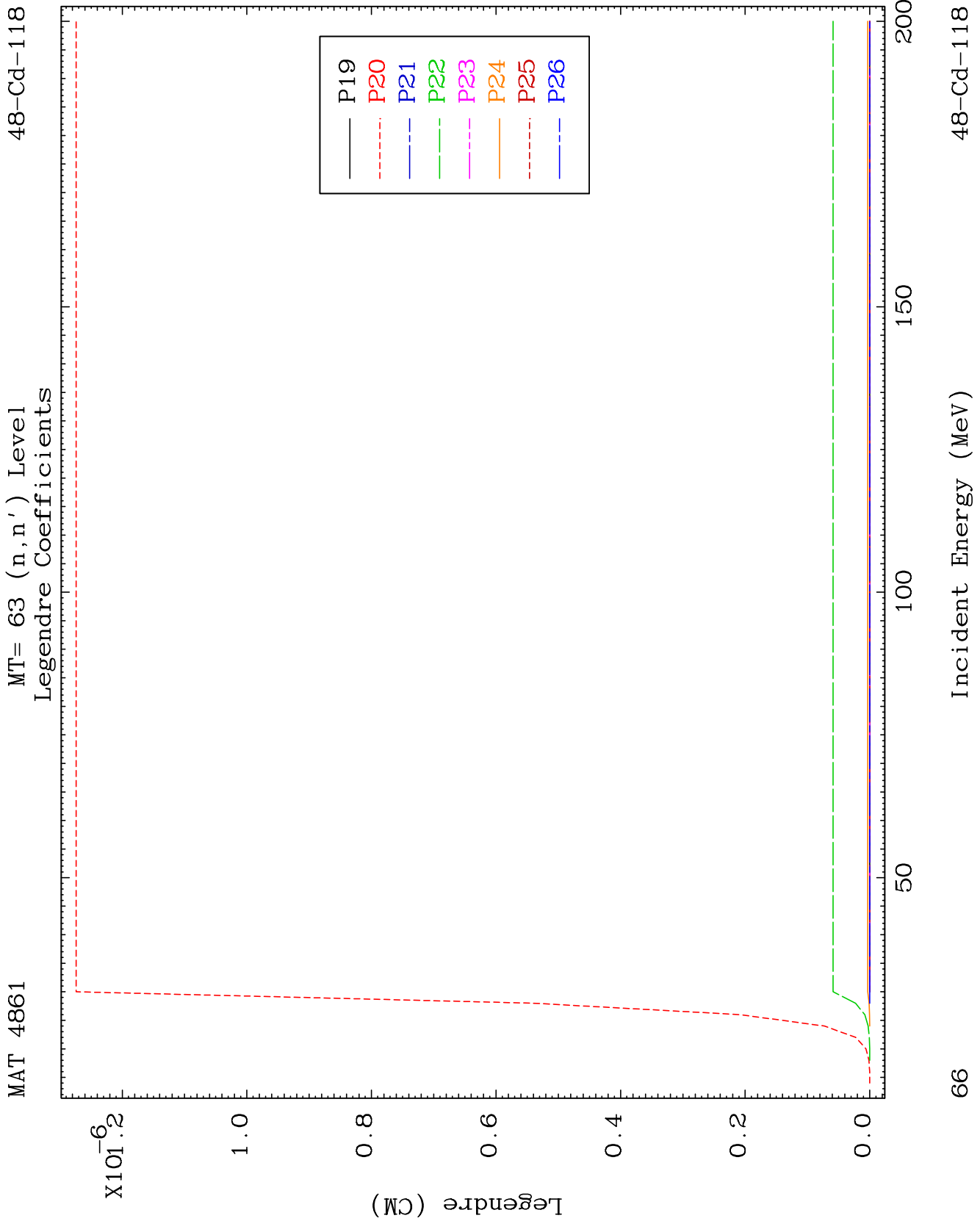
48-Cd-118



65

Incident Energy (MeV)

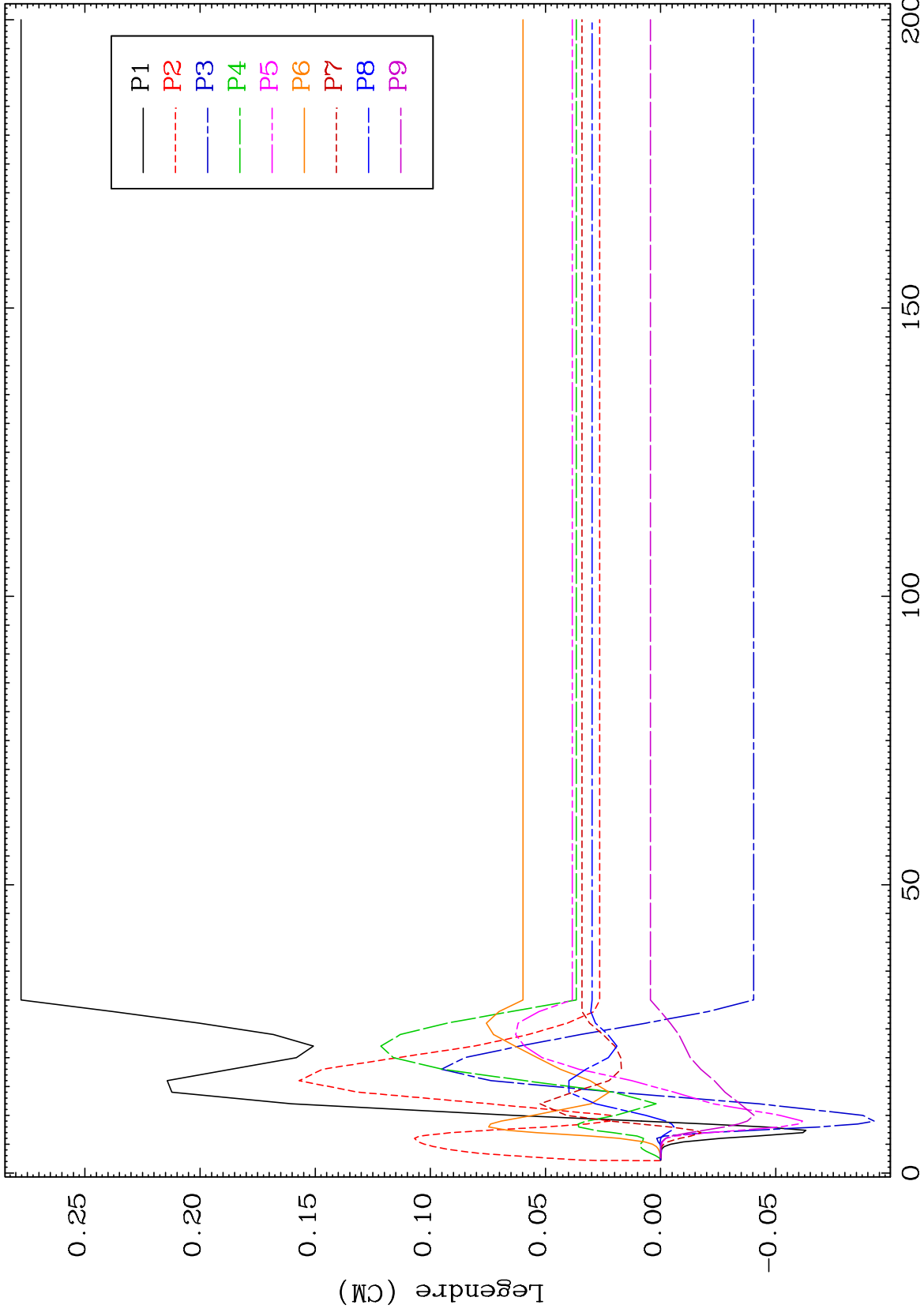
48-Cd-118



MAT 4861

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

48-Cd-118



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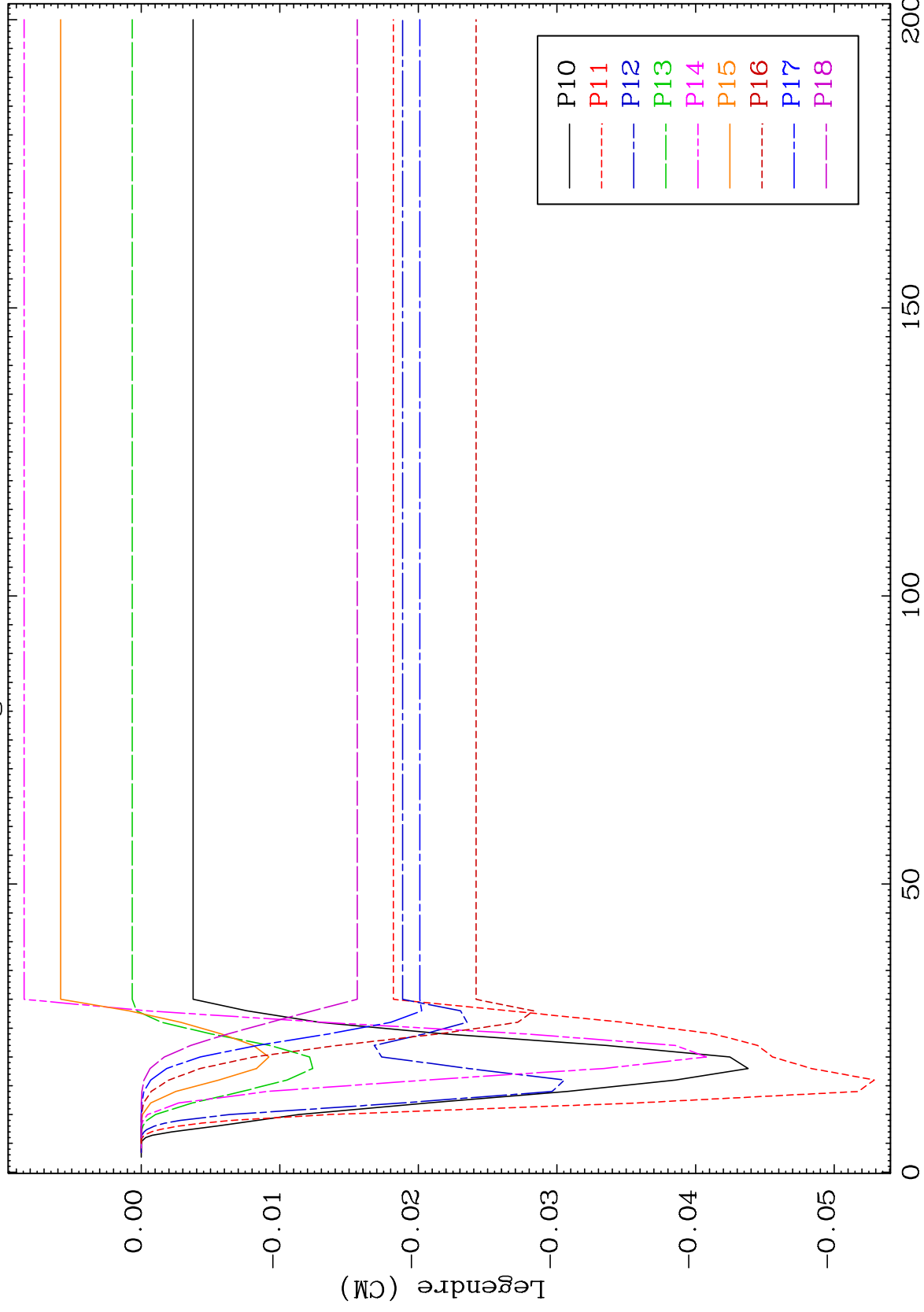
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

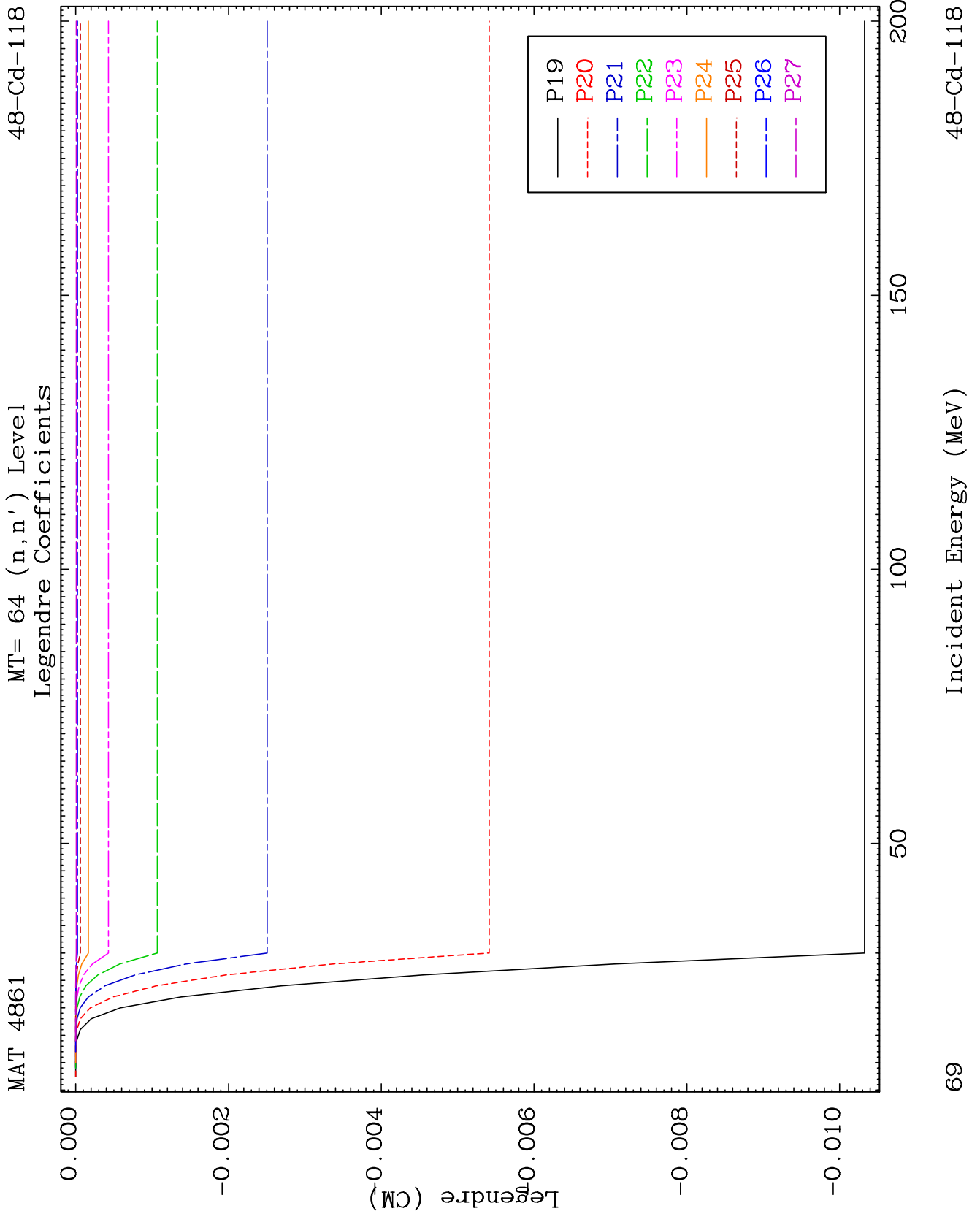
48-Cd-118

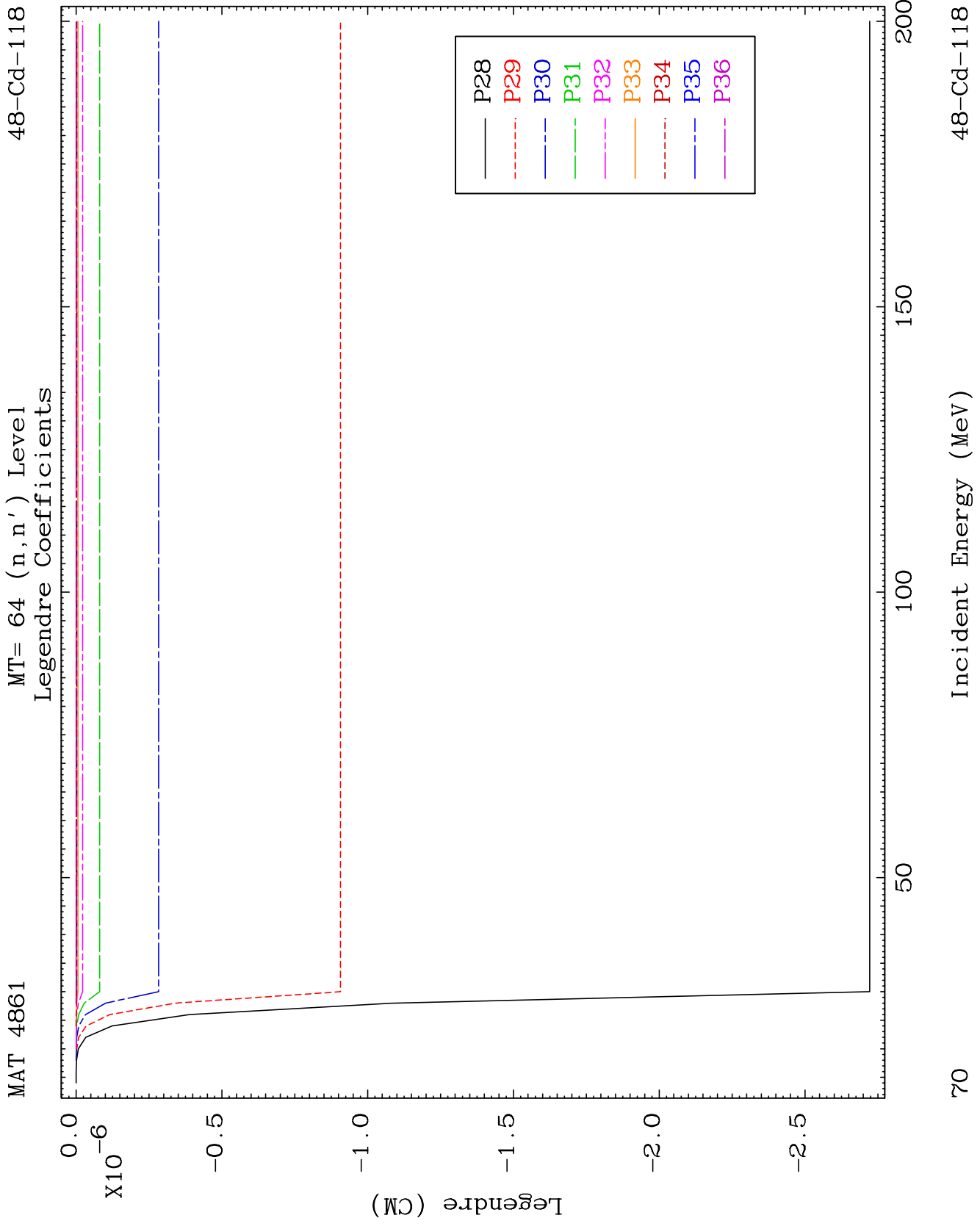


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Incident Energy (MeV)

48-Cd-118

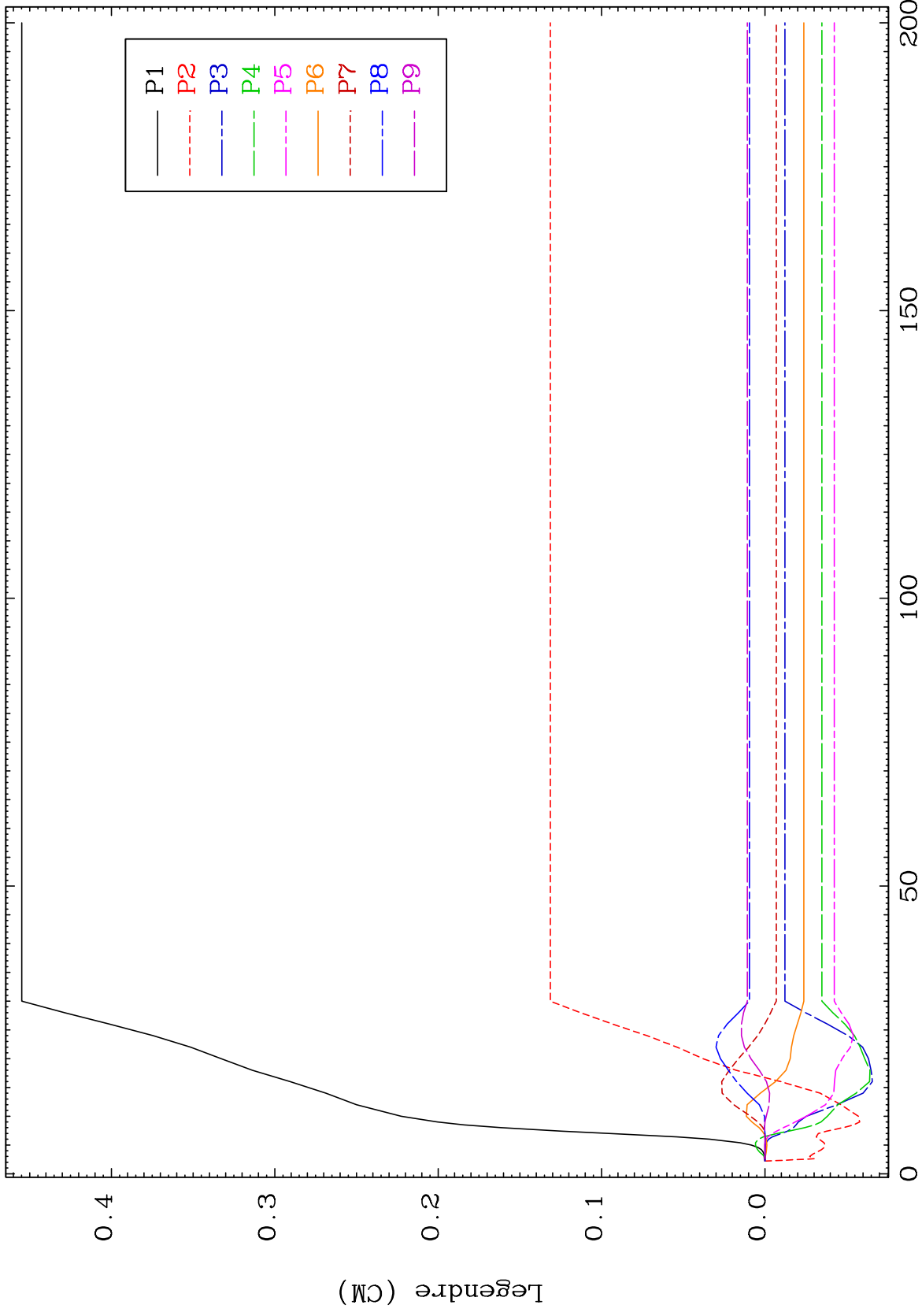




MAT 4861

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

48-Cd-118



71

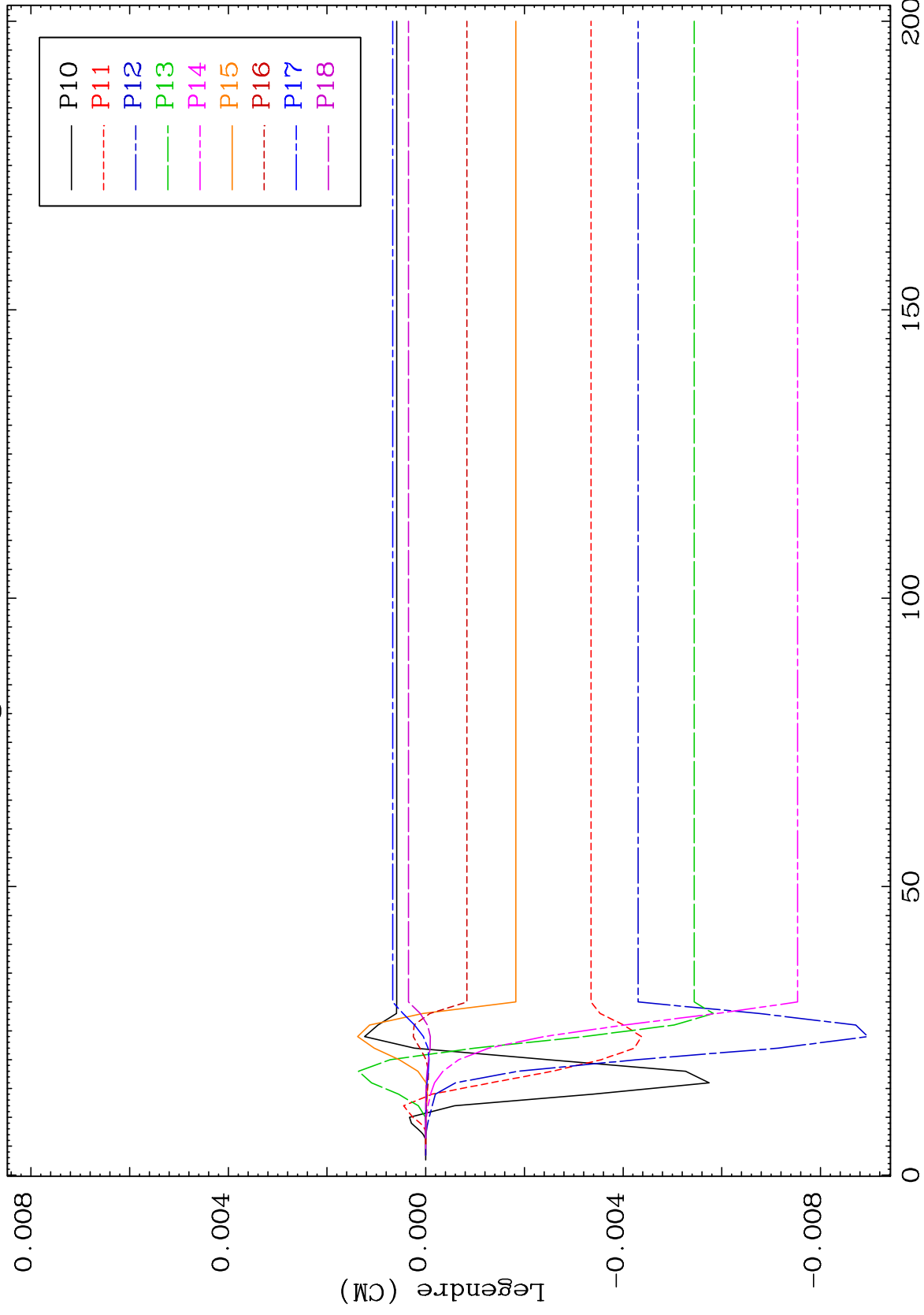
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



72

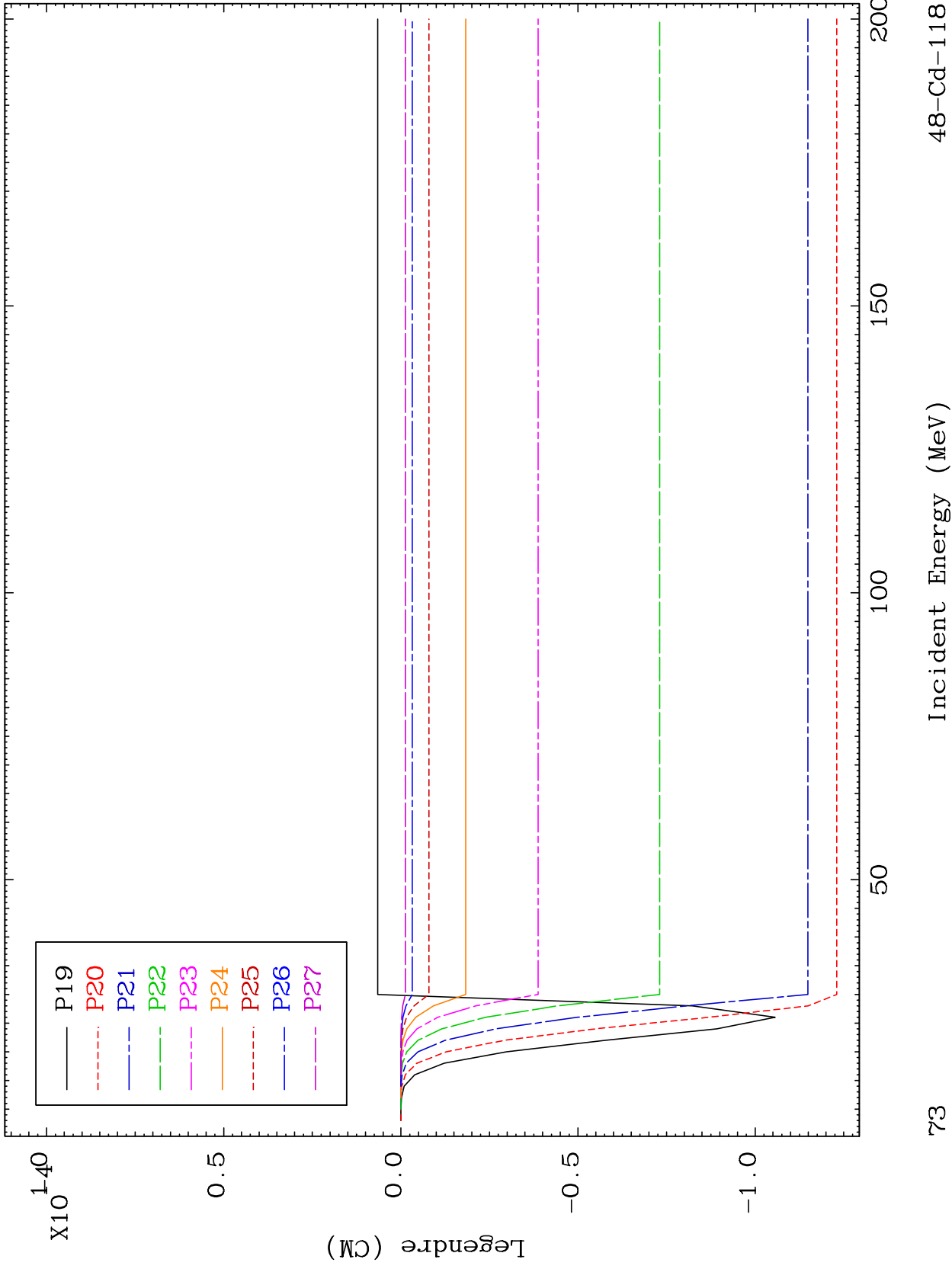
Incident Energy (MeV)

48-Cd-118

MAT 4861

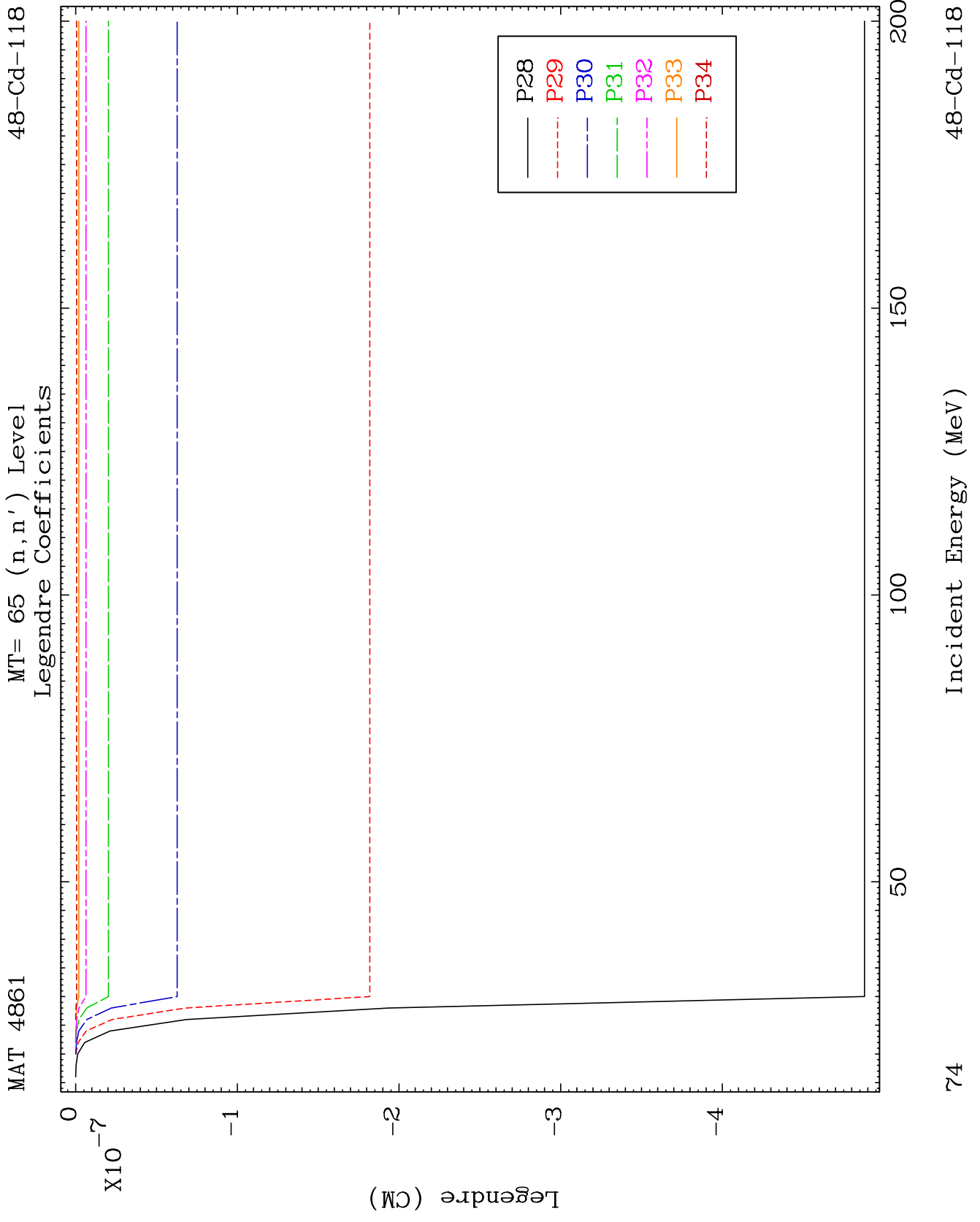
MT= 65 (n,n') Level
Legendre Coefficients

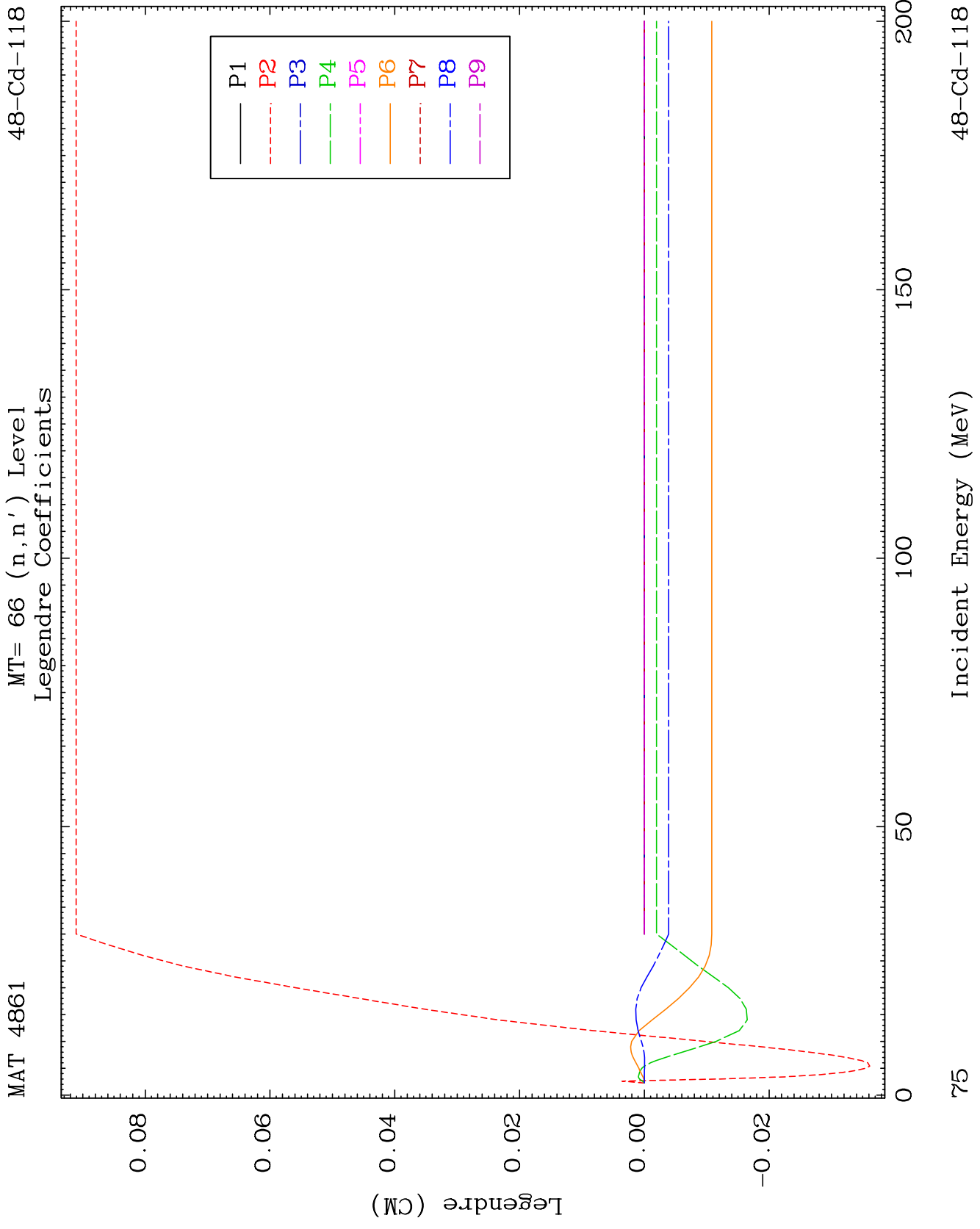
48-Cd-118



73

48-Cd-118

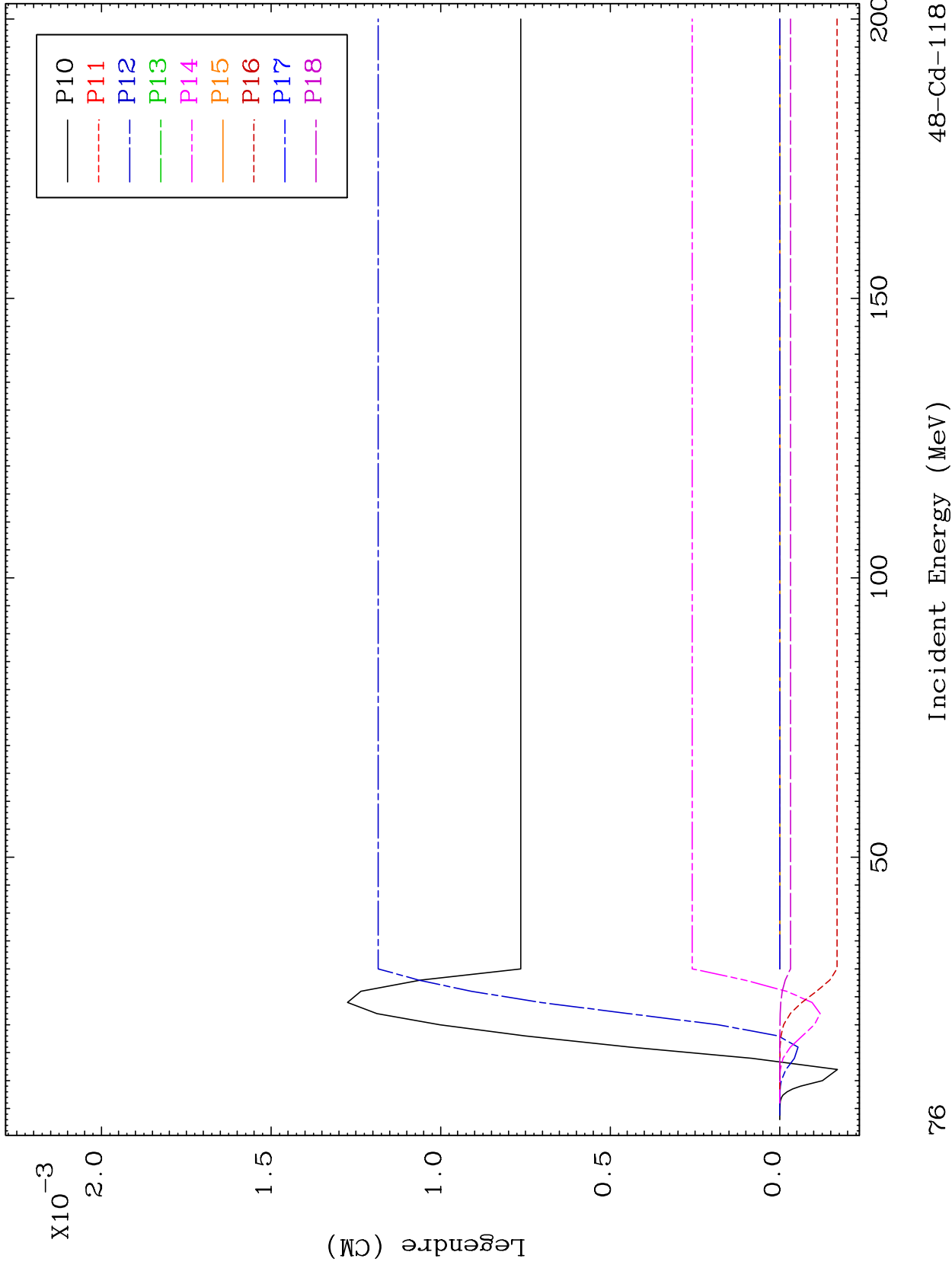


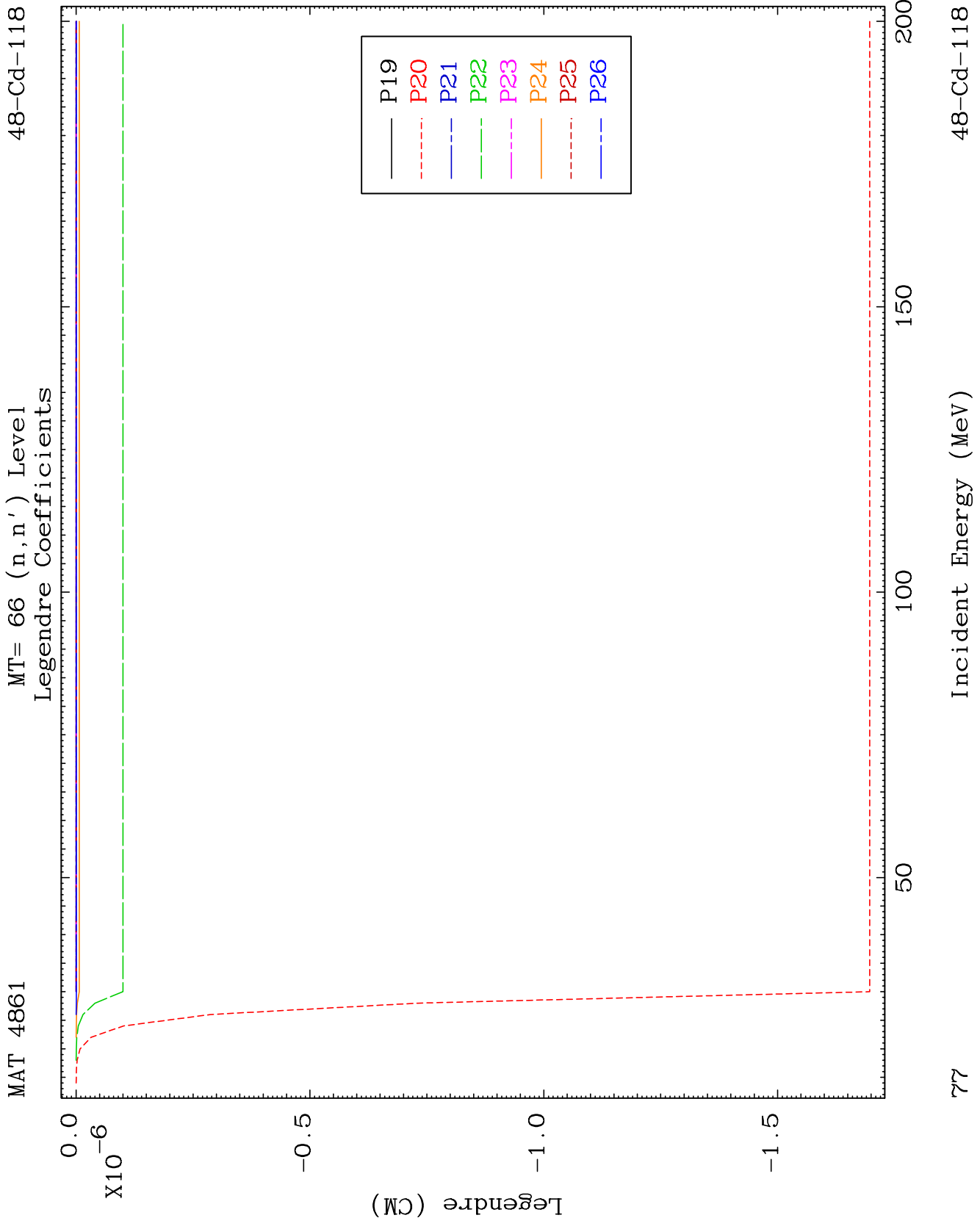


MAT 4861

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

48-Cd-118

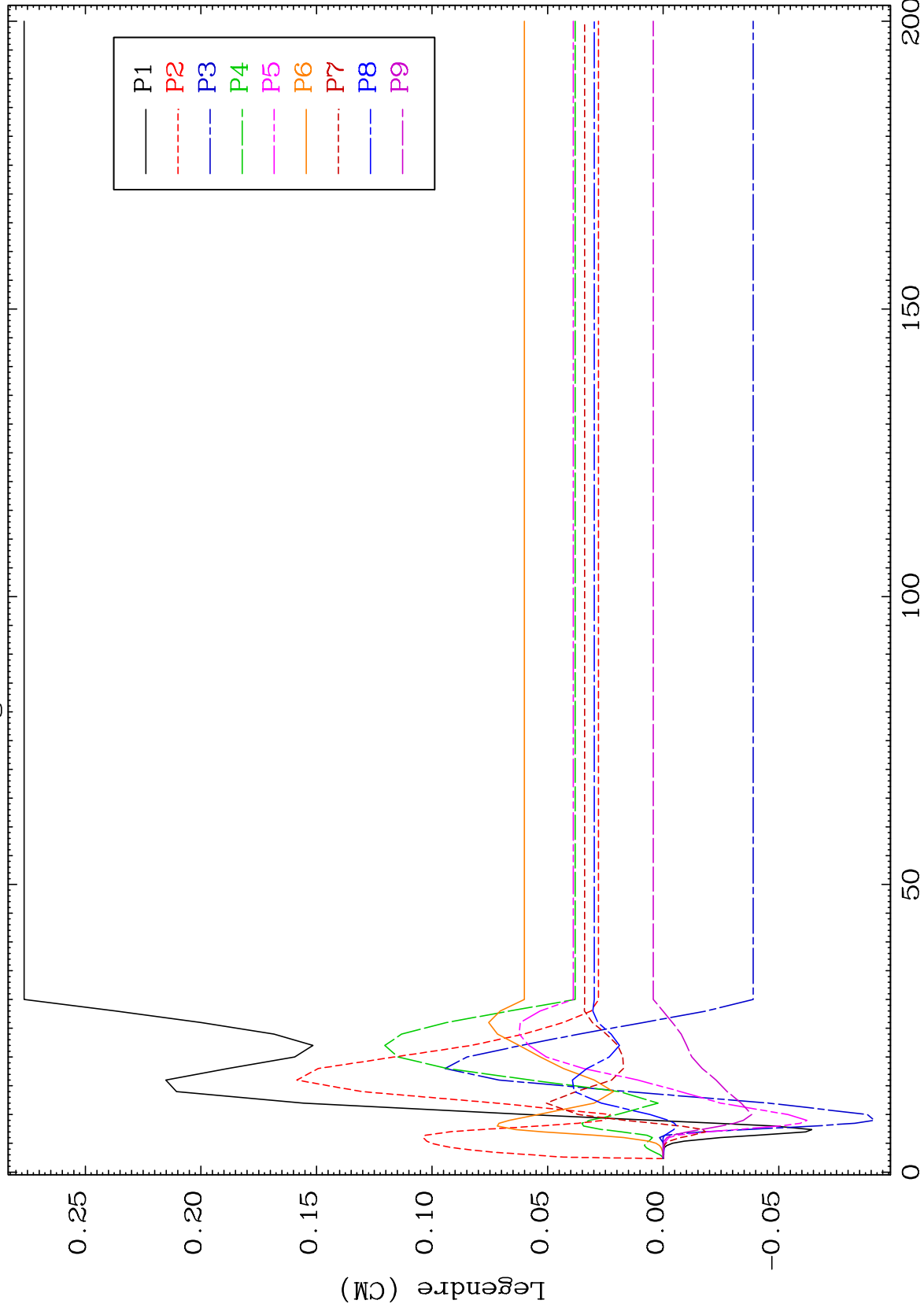




MAT 4861

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

48-Cd-118



78

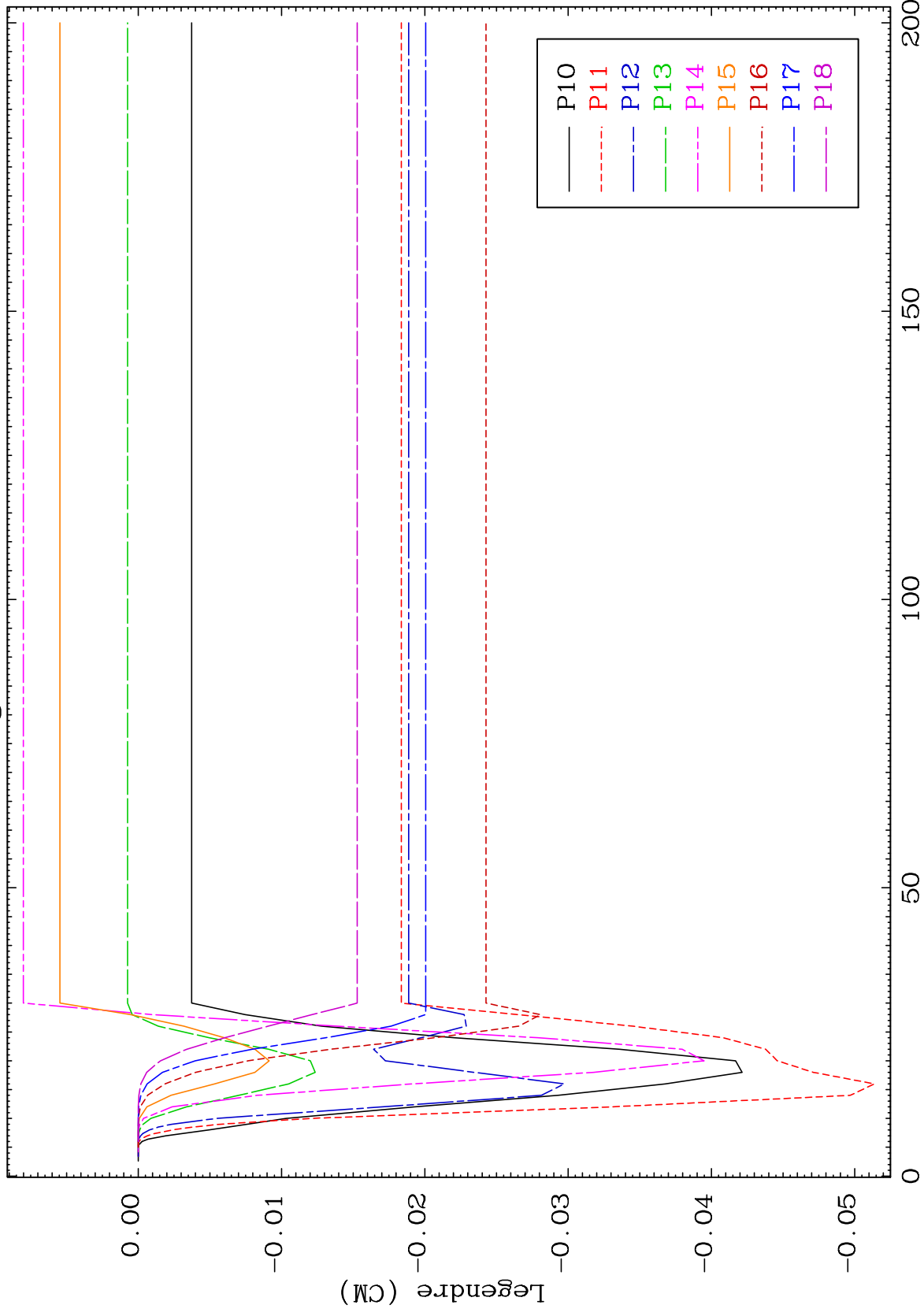
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

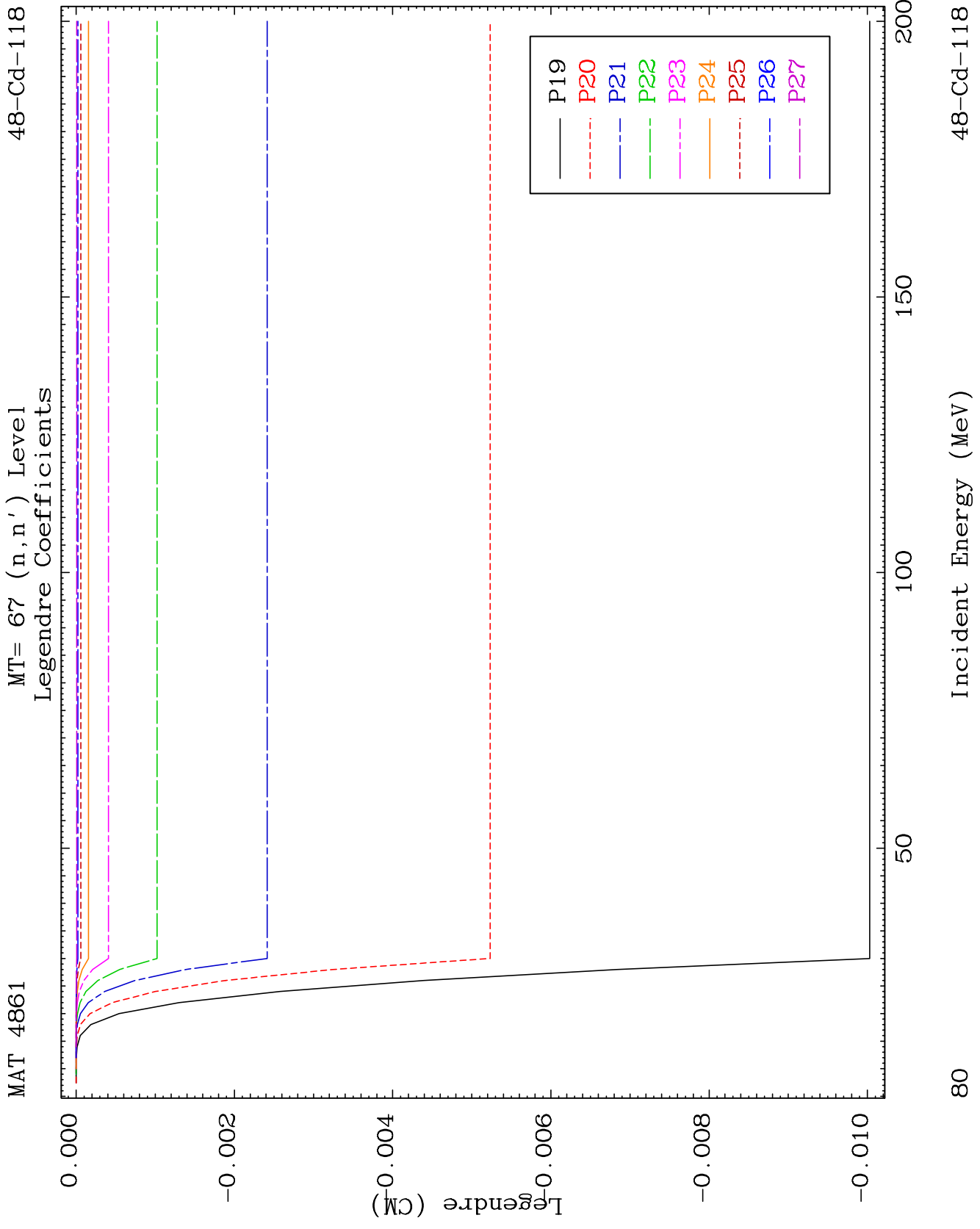
48-Cd-118

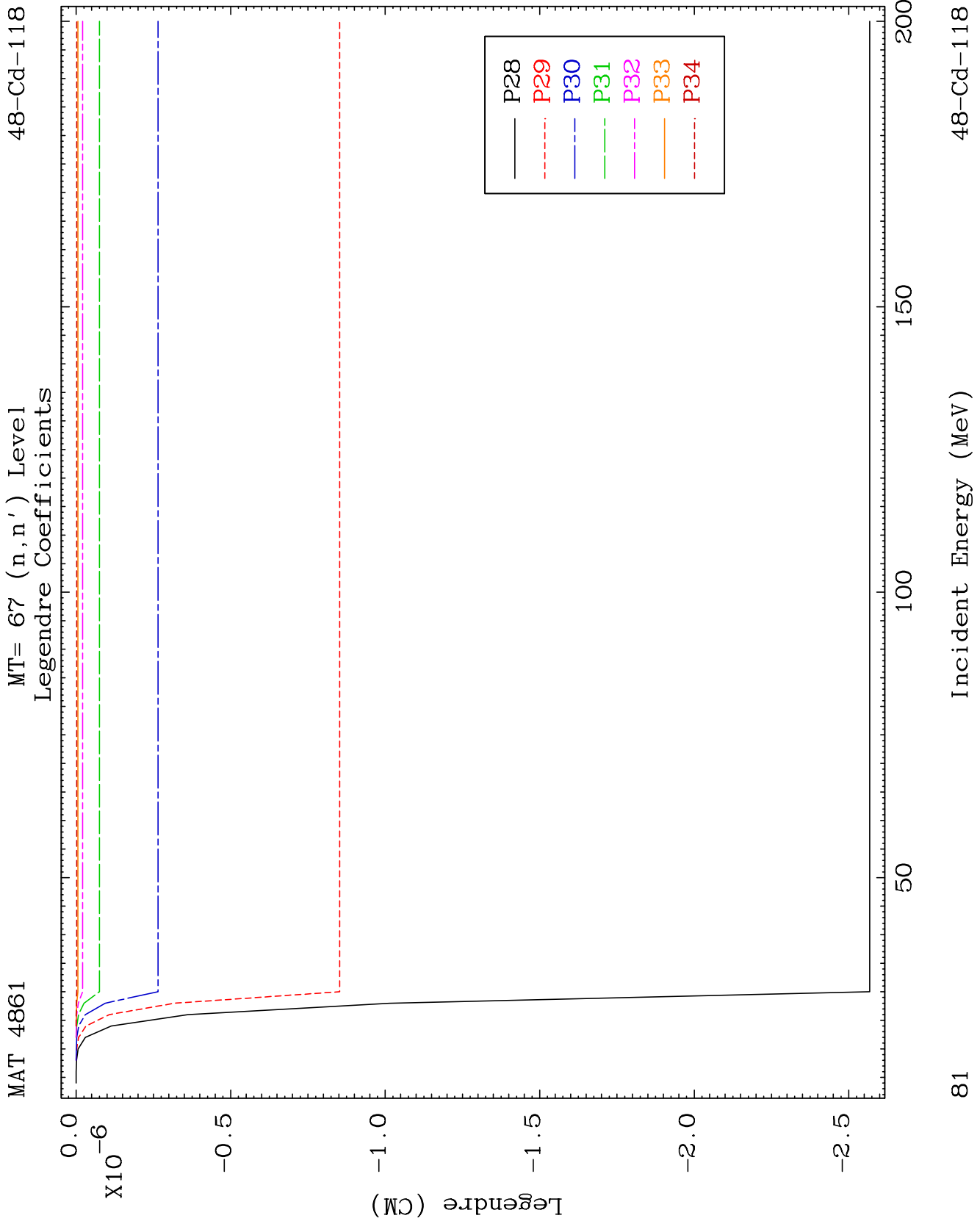


79

Incident Energy (MeV)

48-Cd-118

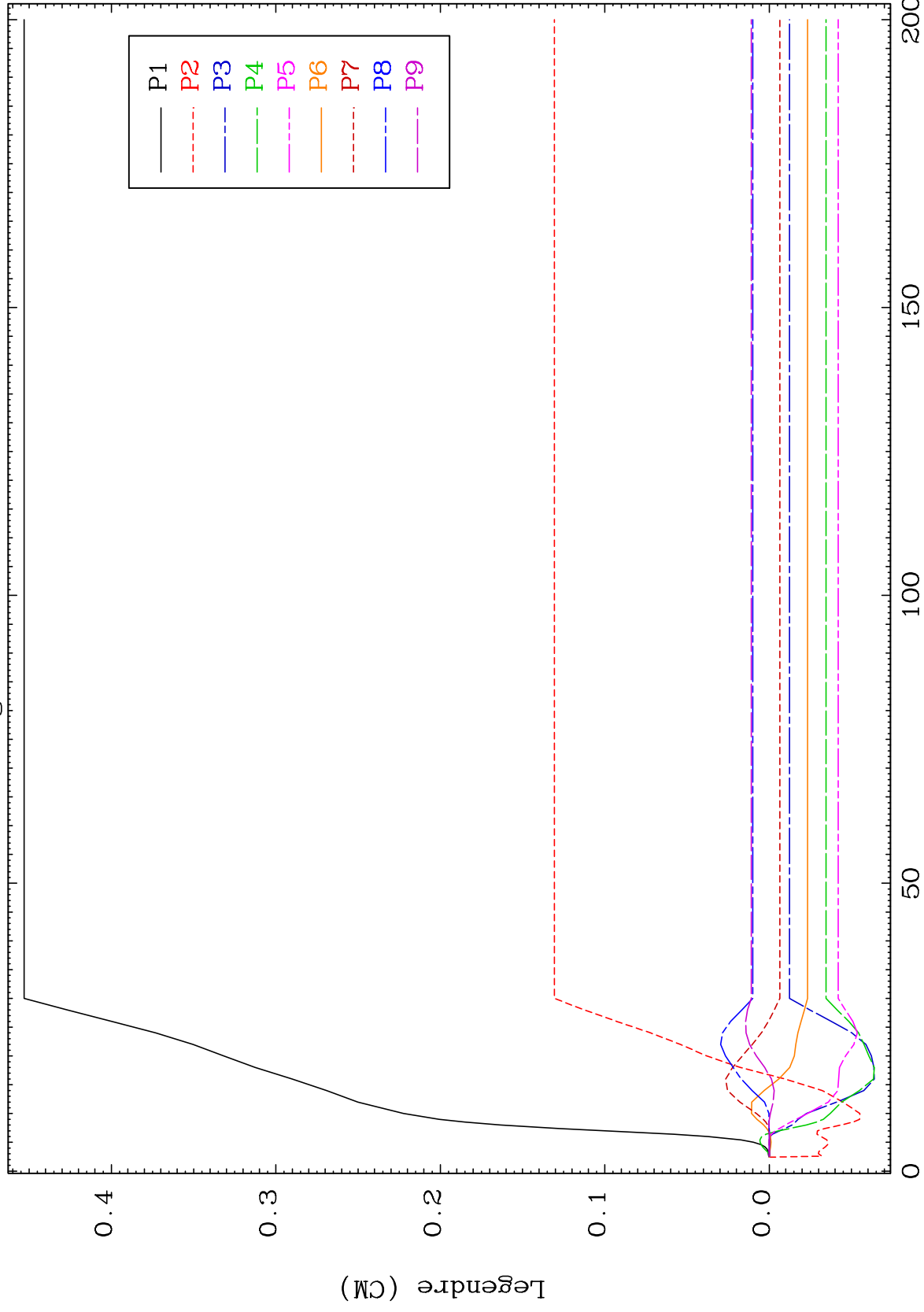




MAT 4861

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

48-Cd-118



82

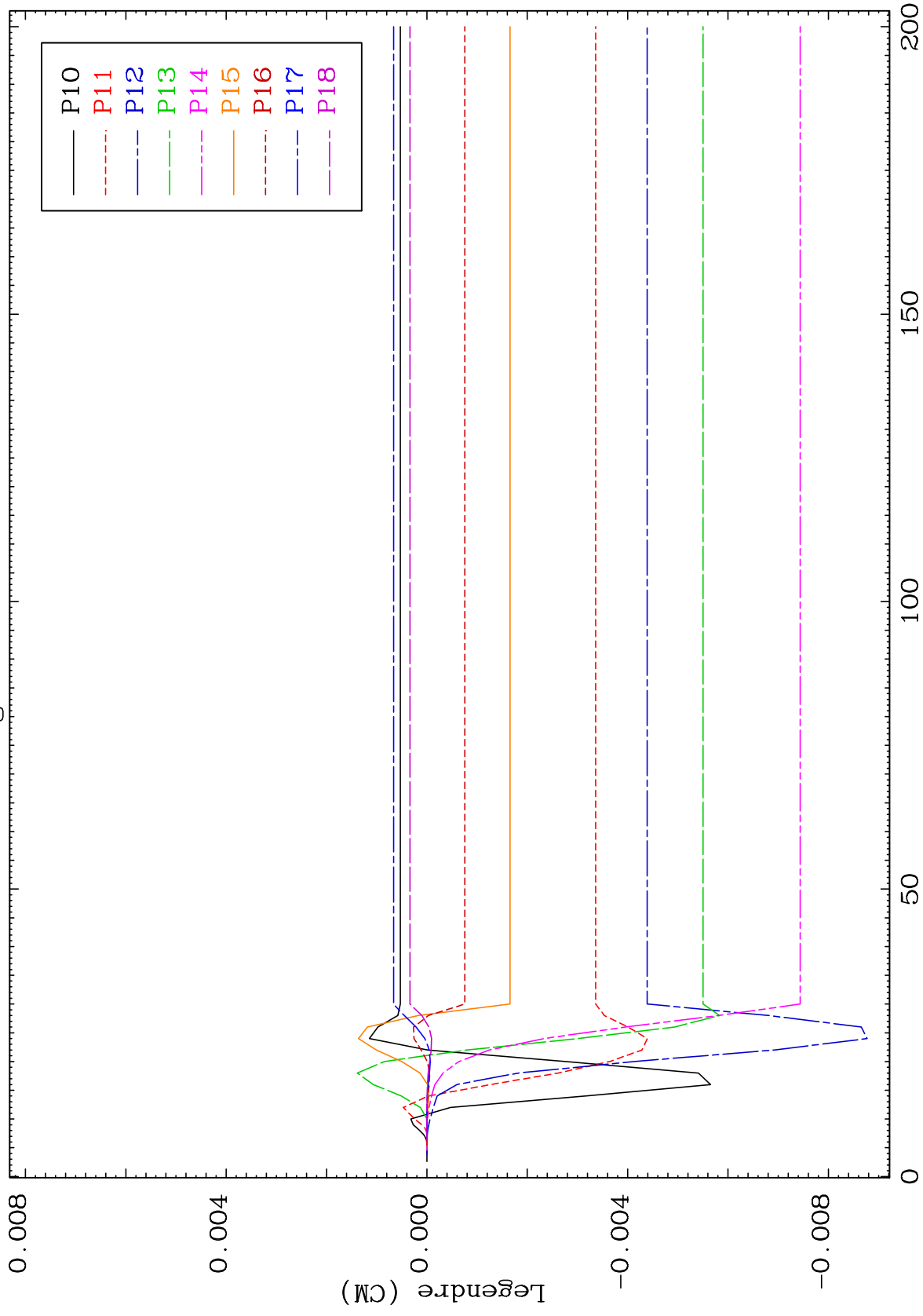
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



83

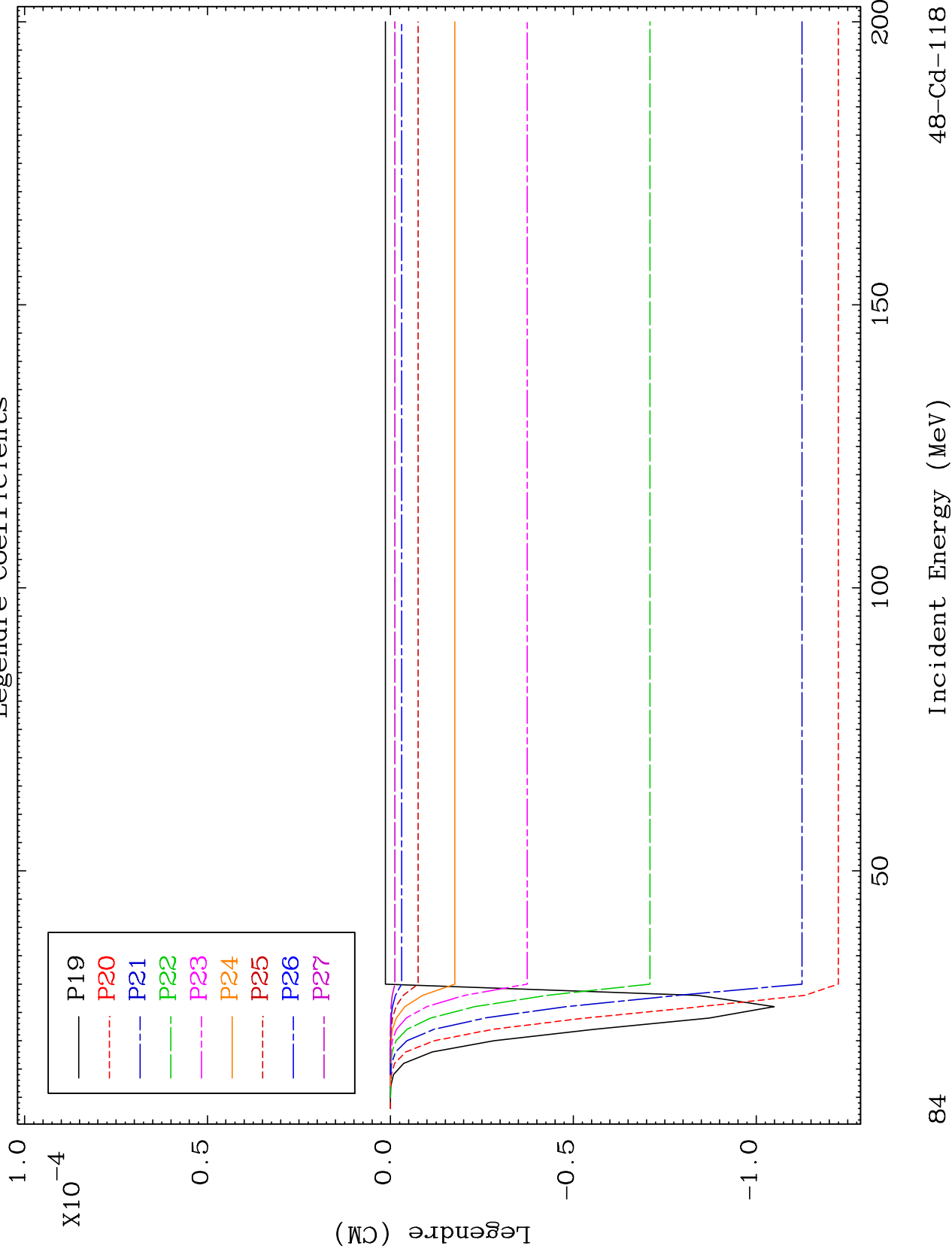
Incident Energy (MeV)

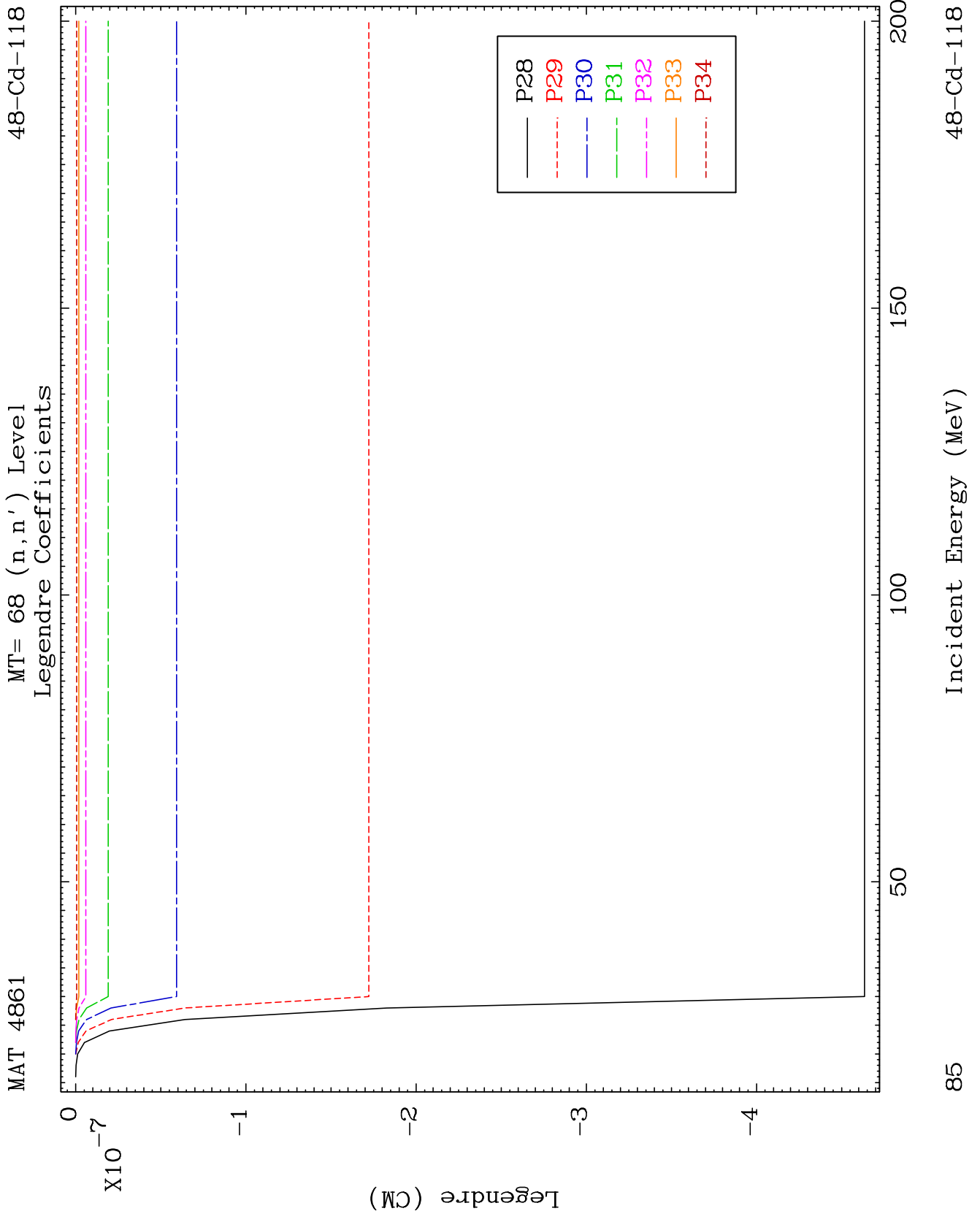
48-Cd-118

MAT 4861

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

48-Cd-118

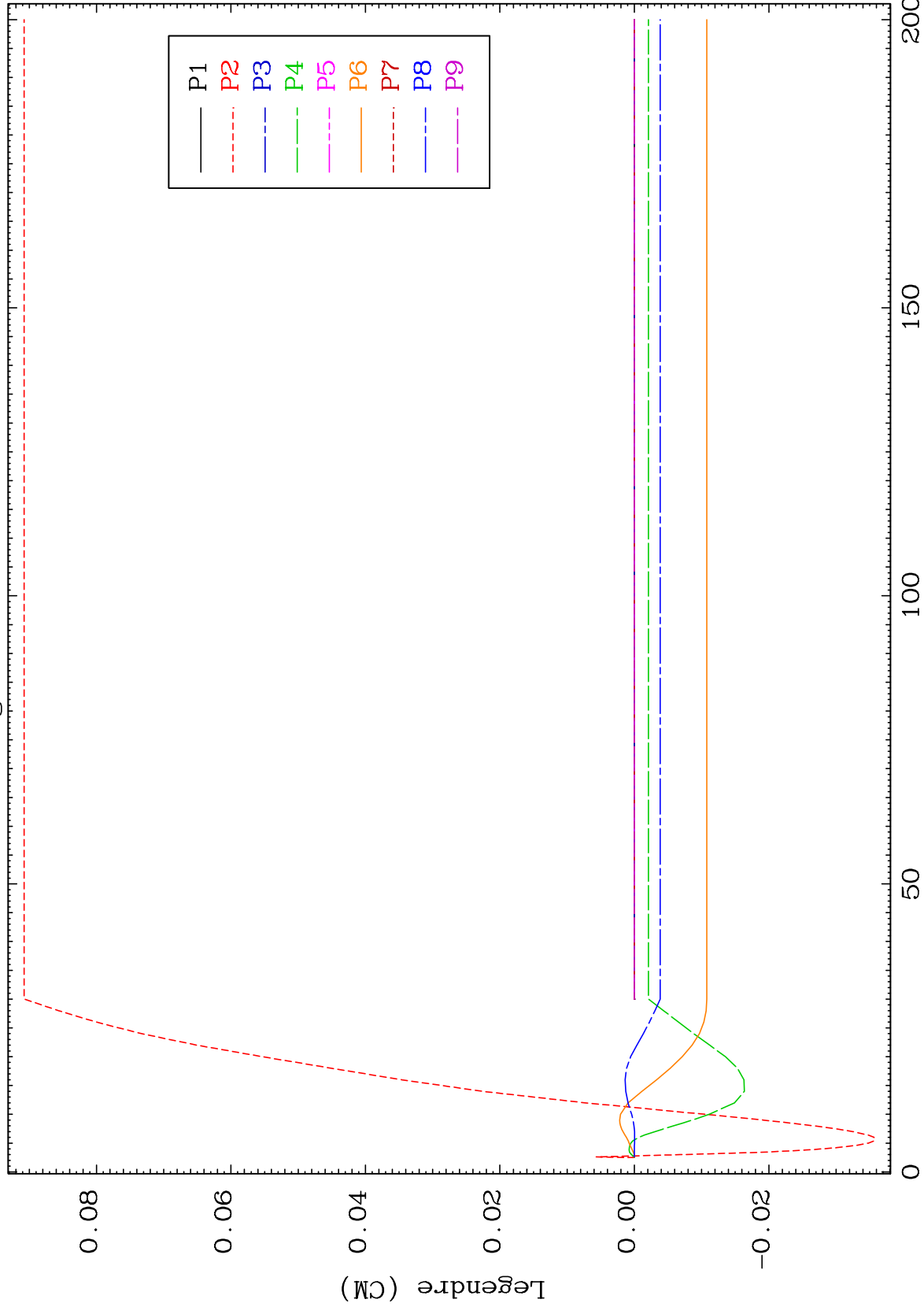




MAT 4861

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

48-Cd-118



86

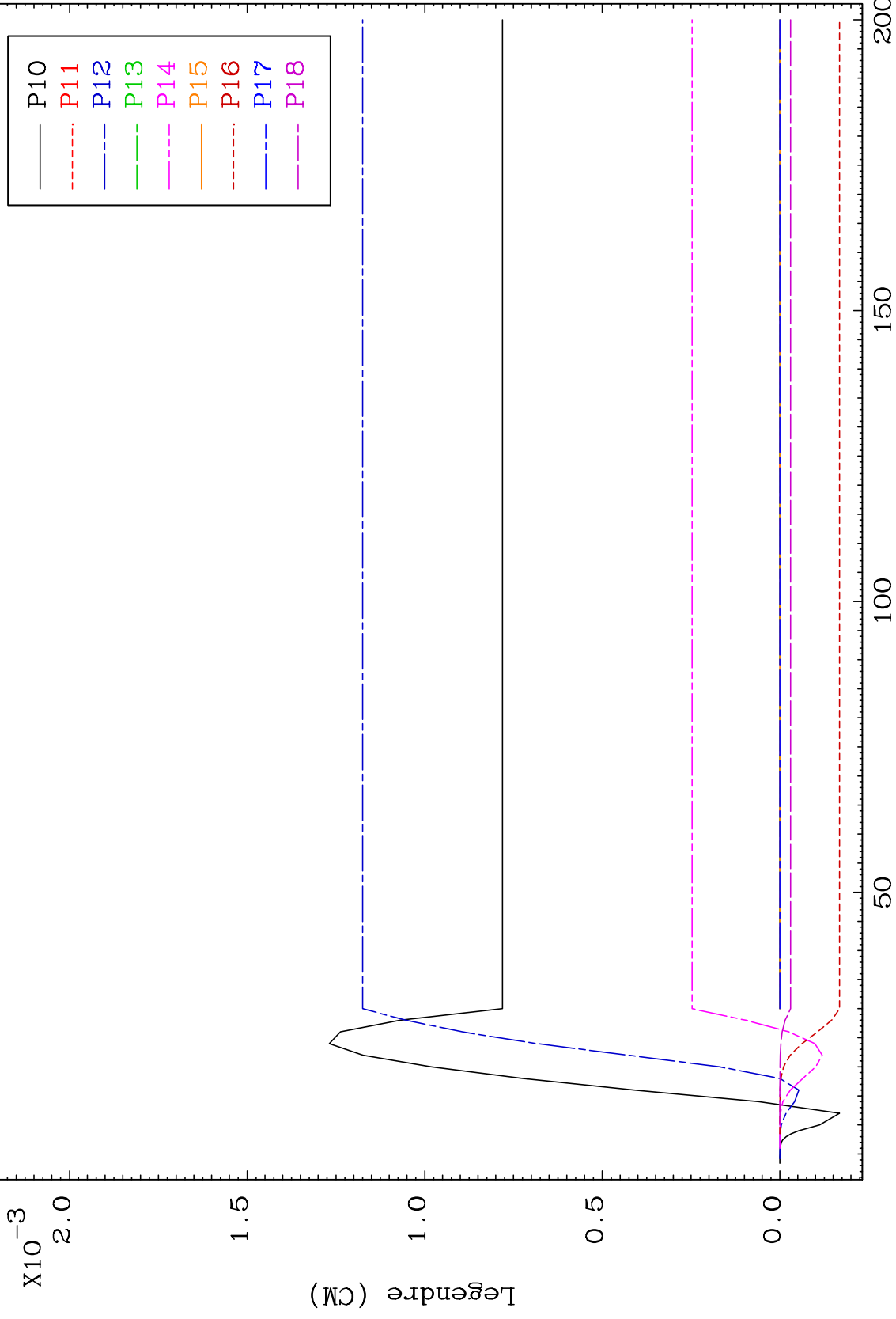
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

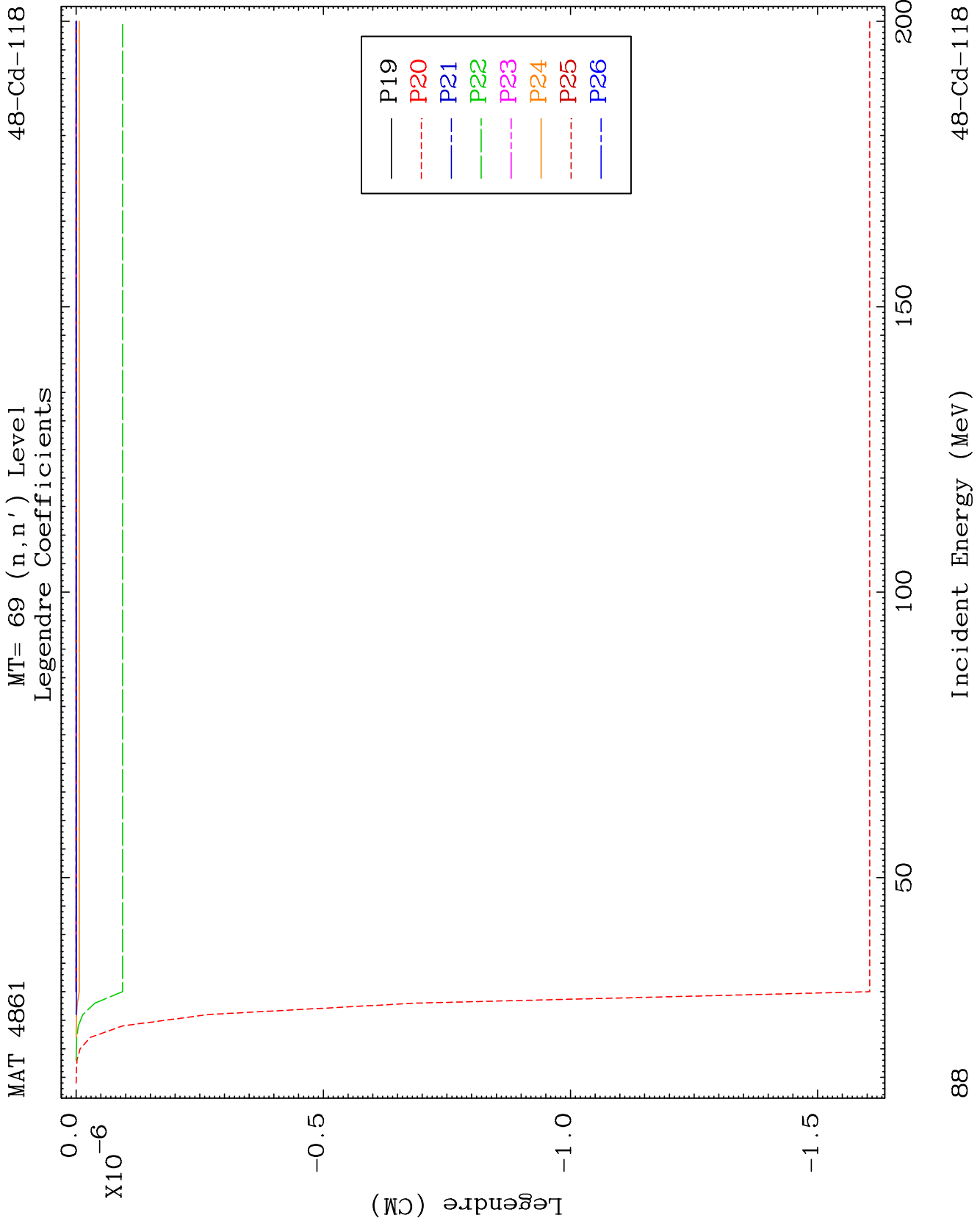
48-Cd-118



87

Incident Energy (MeV)

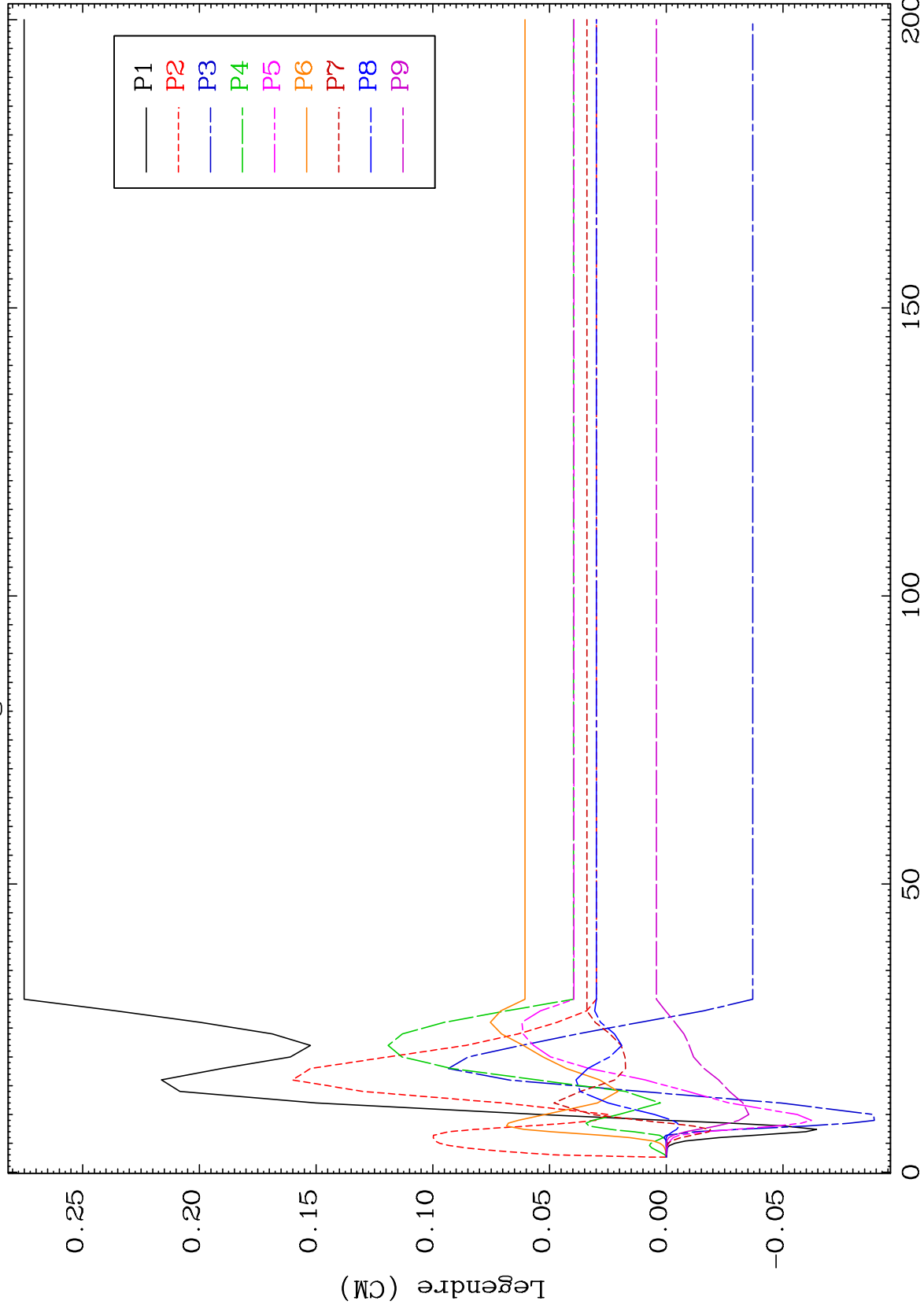
48-Cd-118



MAT 4861

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

48-Cd-118



89

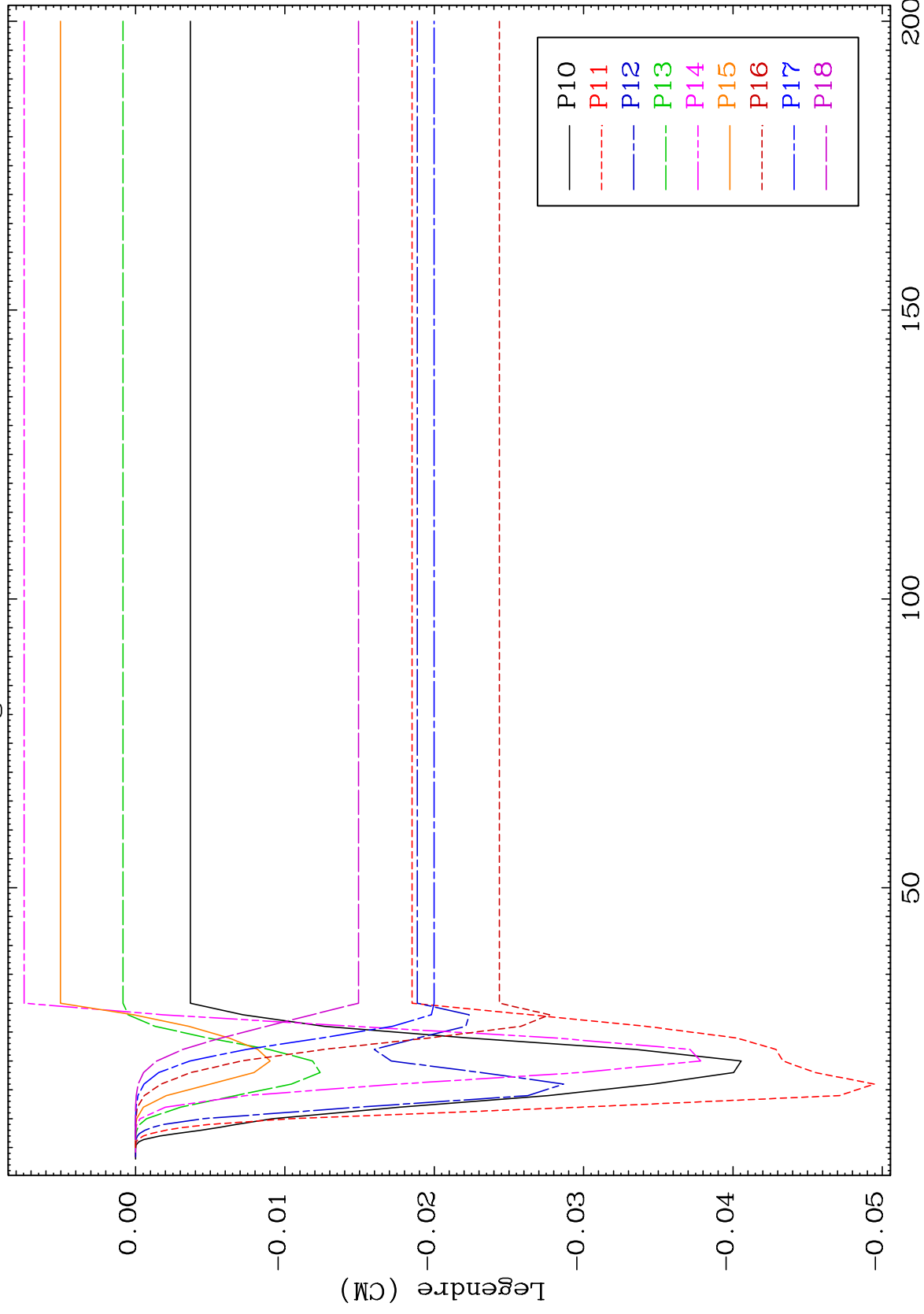
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

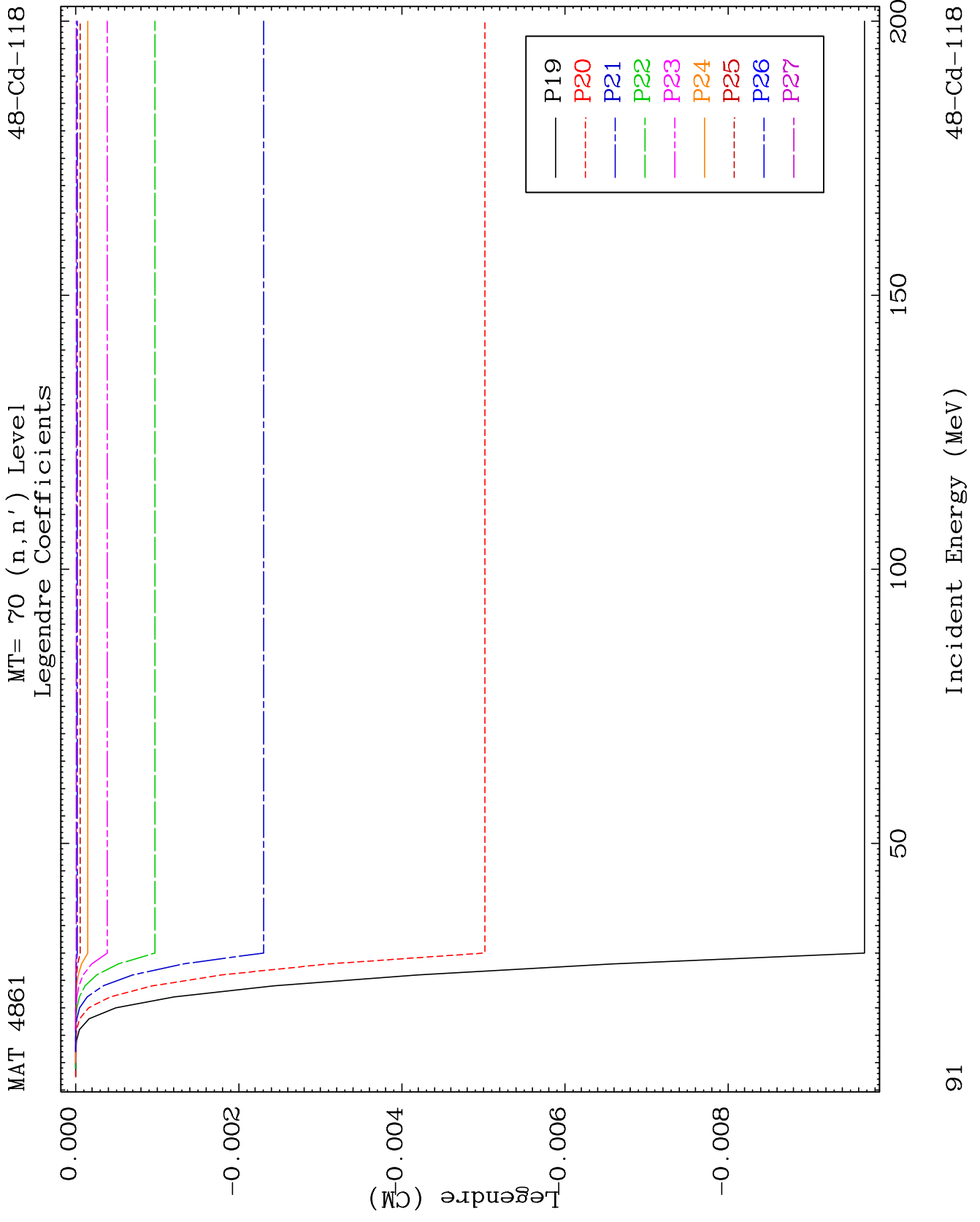
48-Cd-118

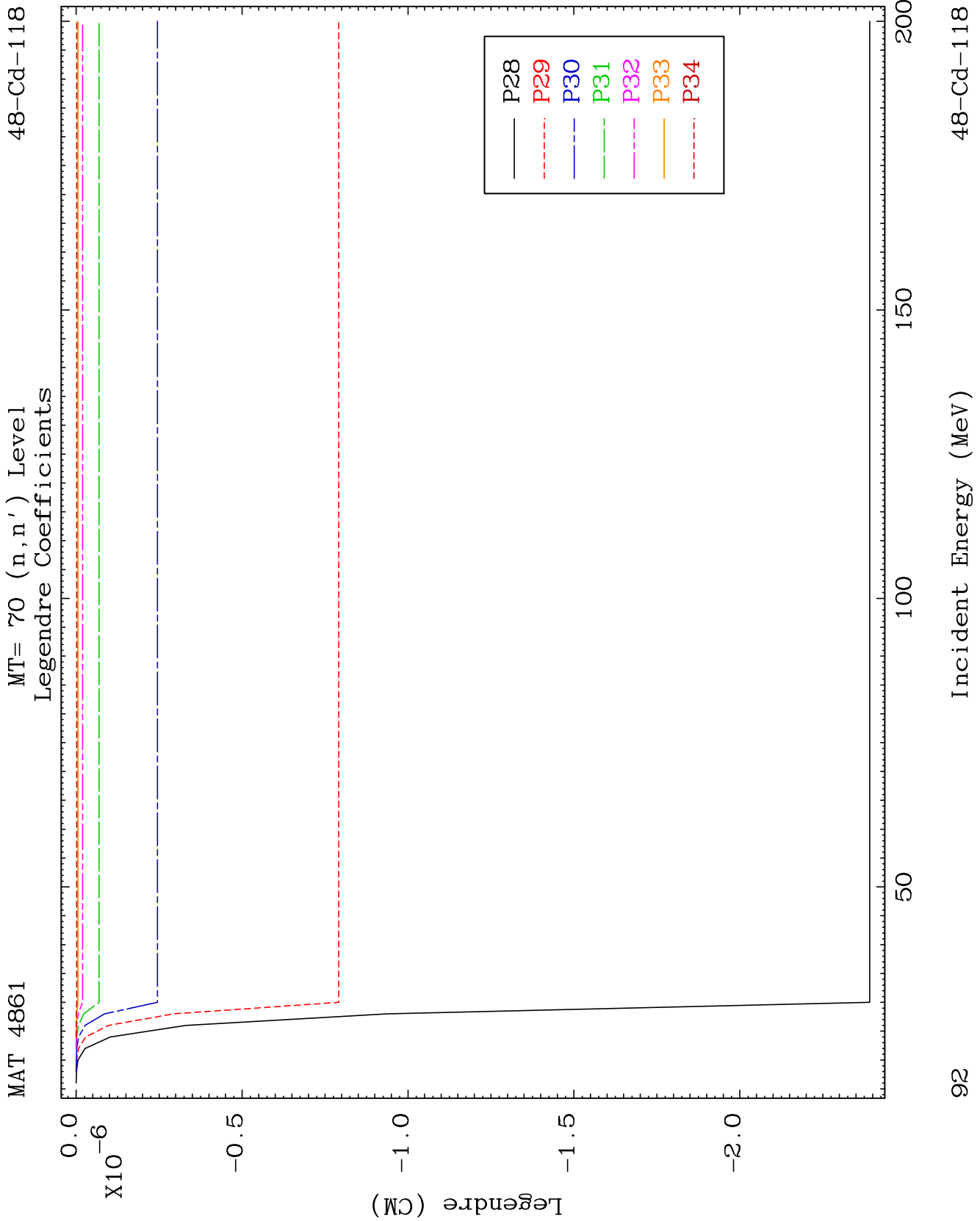


90

Incident Energy (MeV)

48-Cd-118

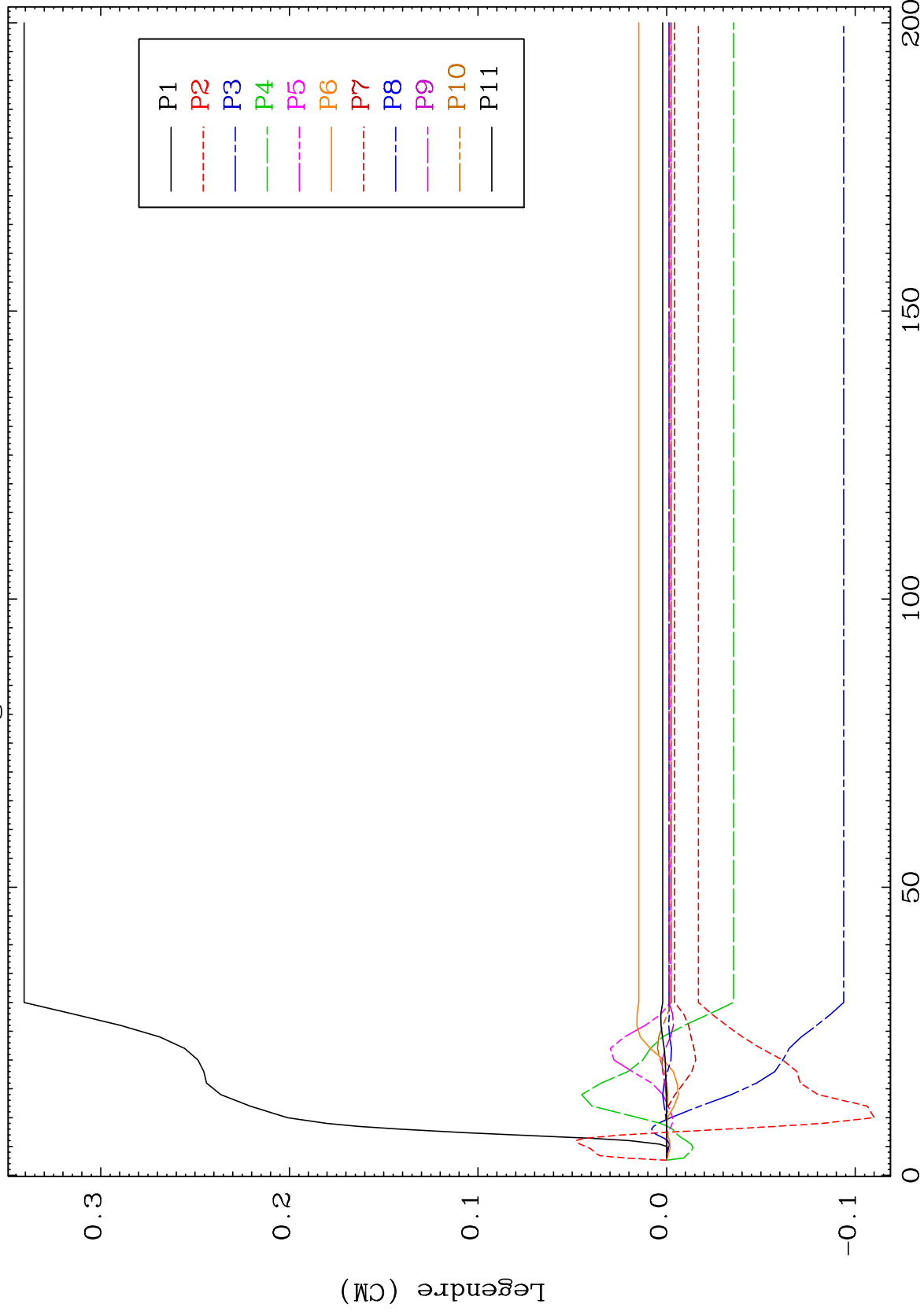




MAT 4861

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

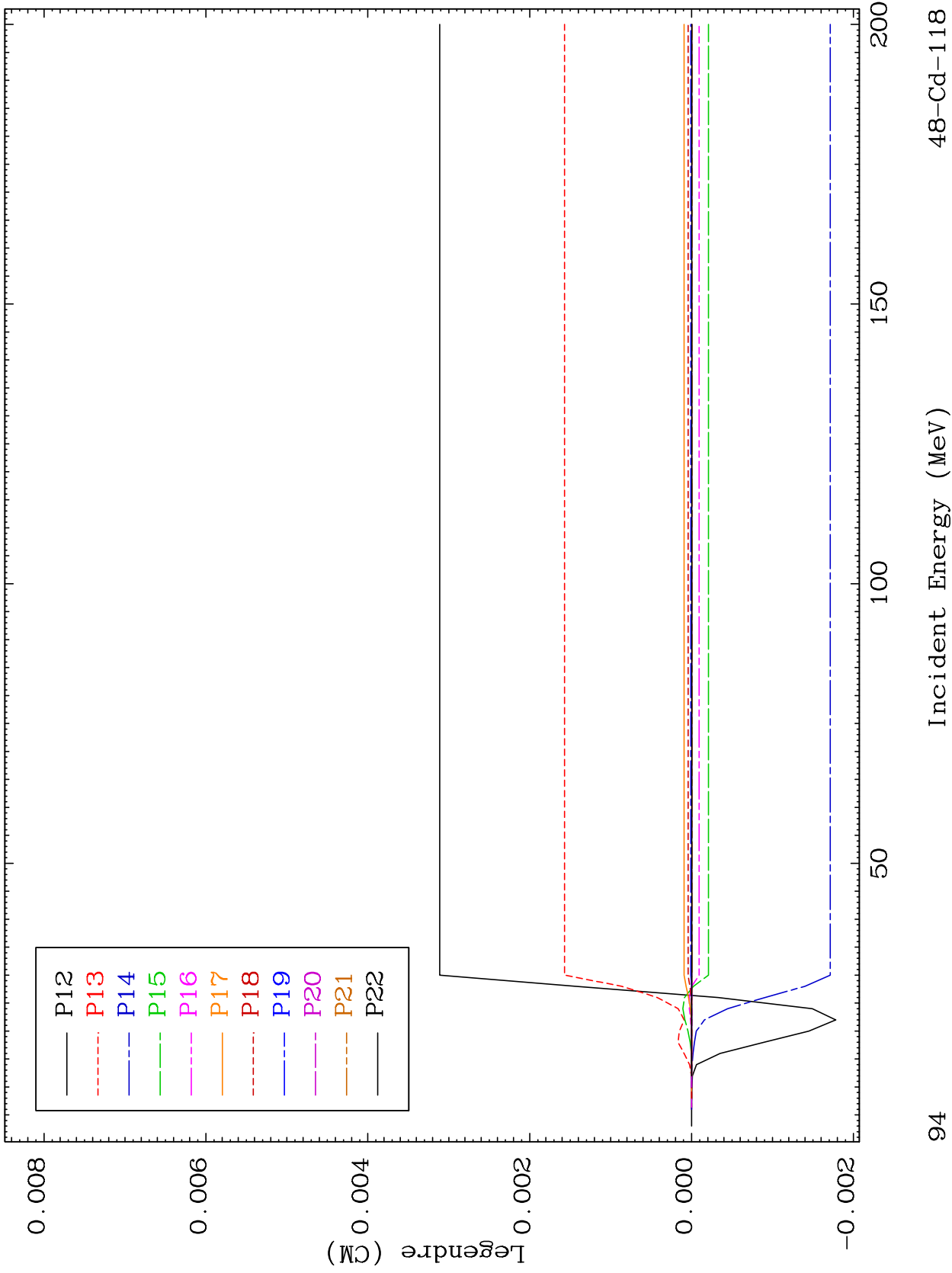
48-Cd-118

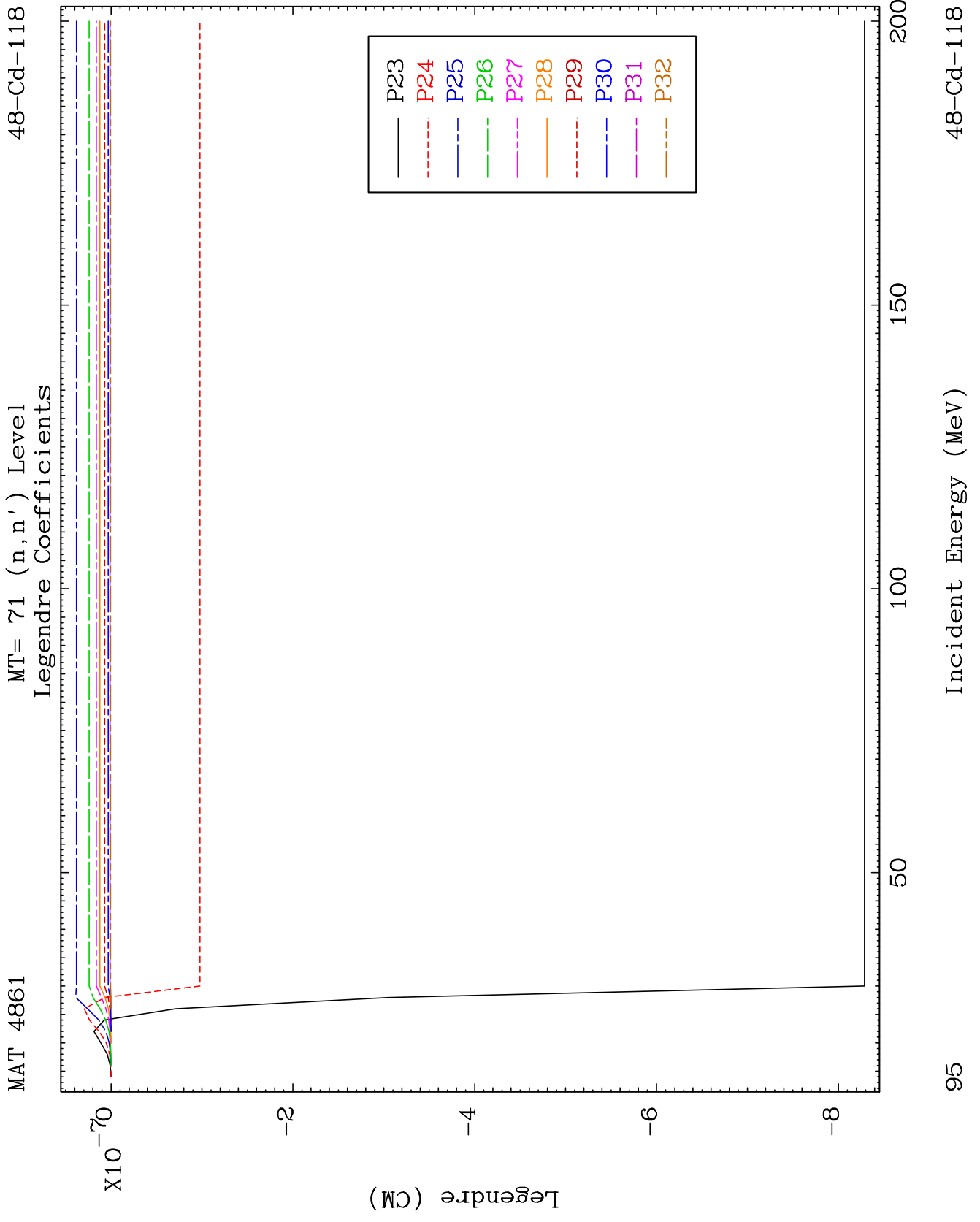


93

Incident Energy (MeV)

48-Cd-118

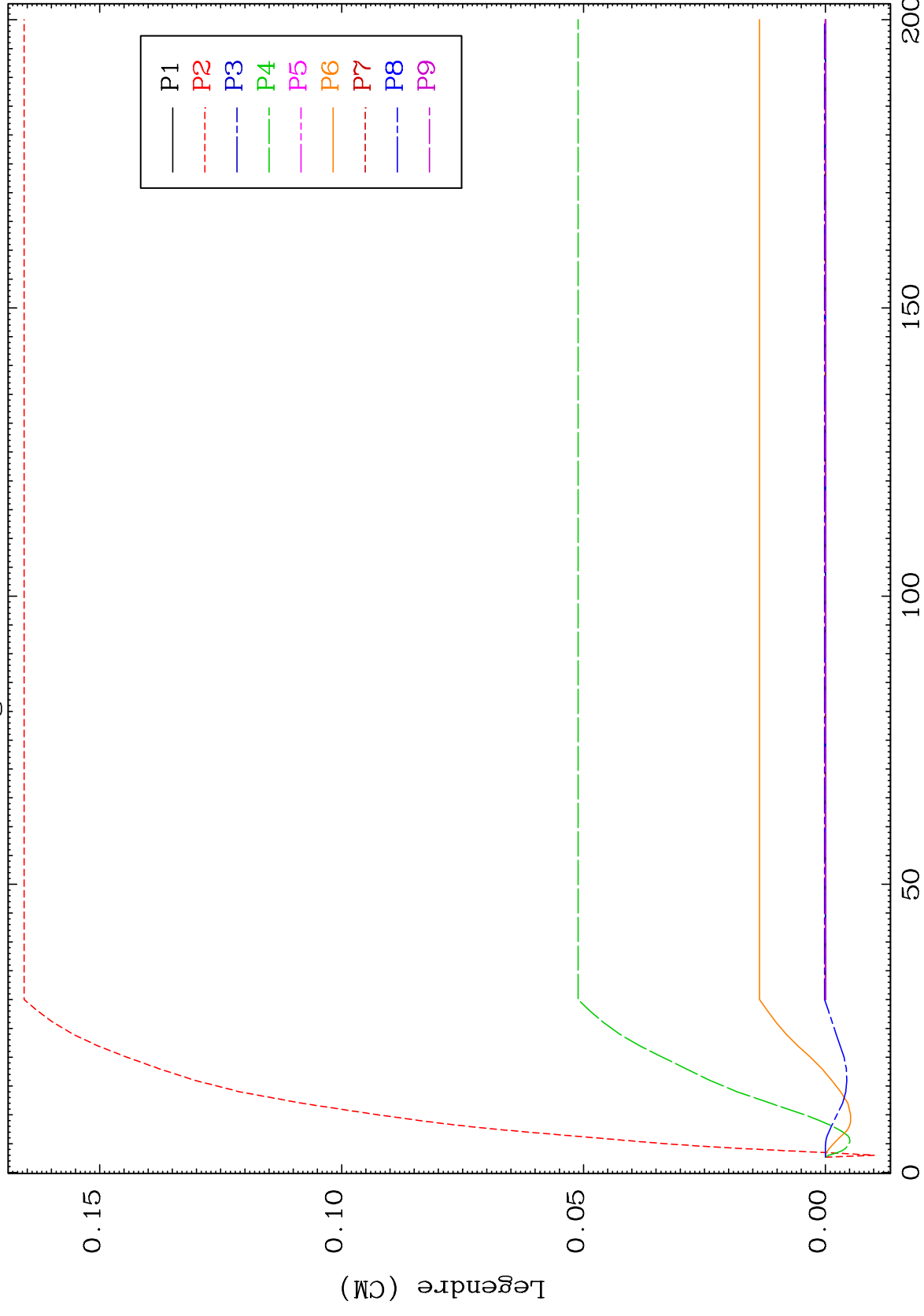




MAT 4861

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

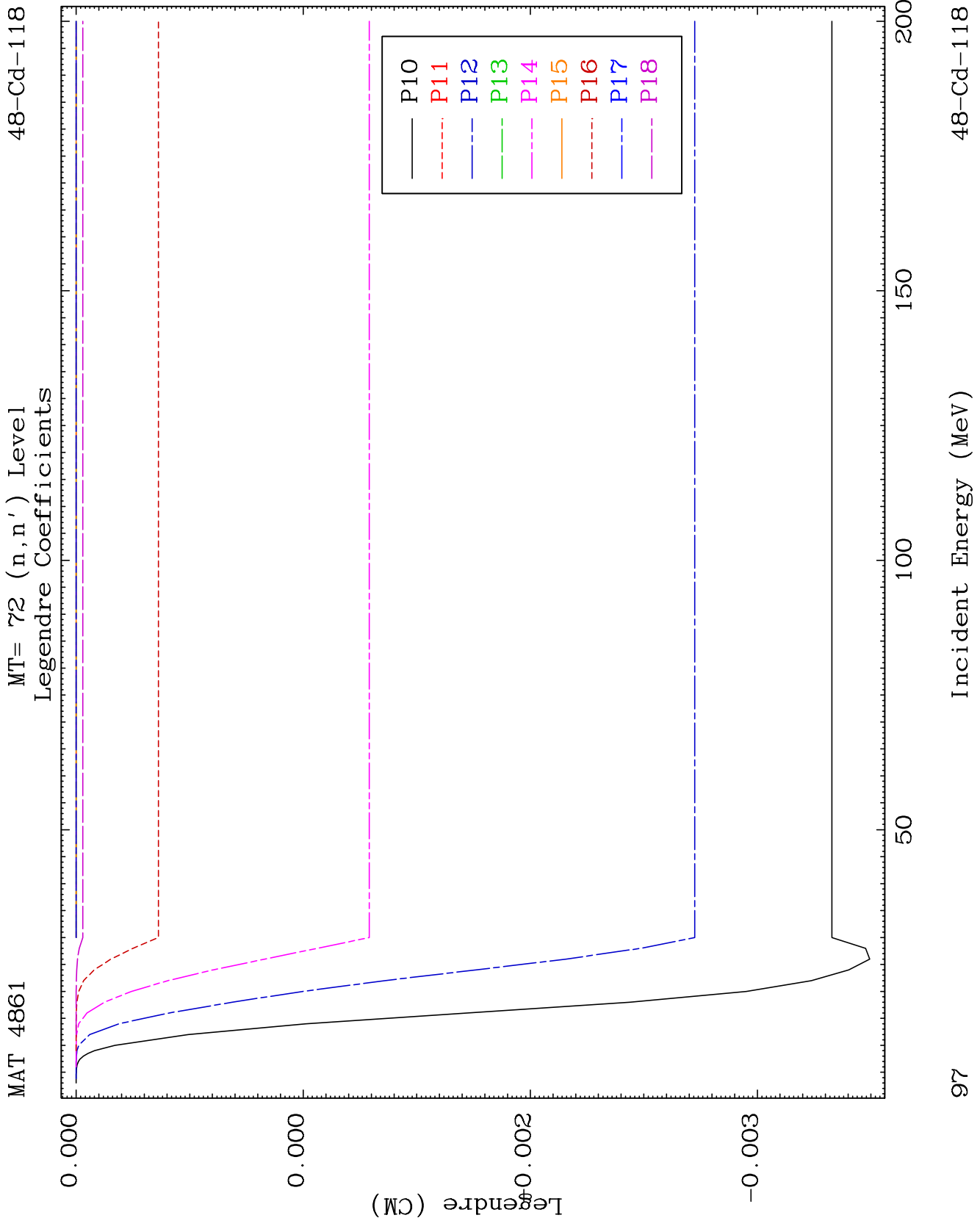
48-Cd-118

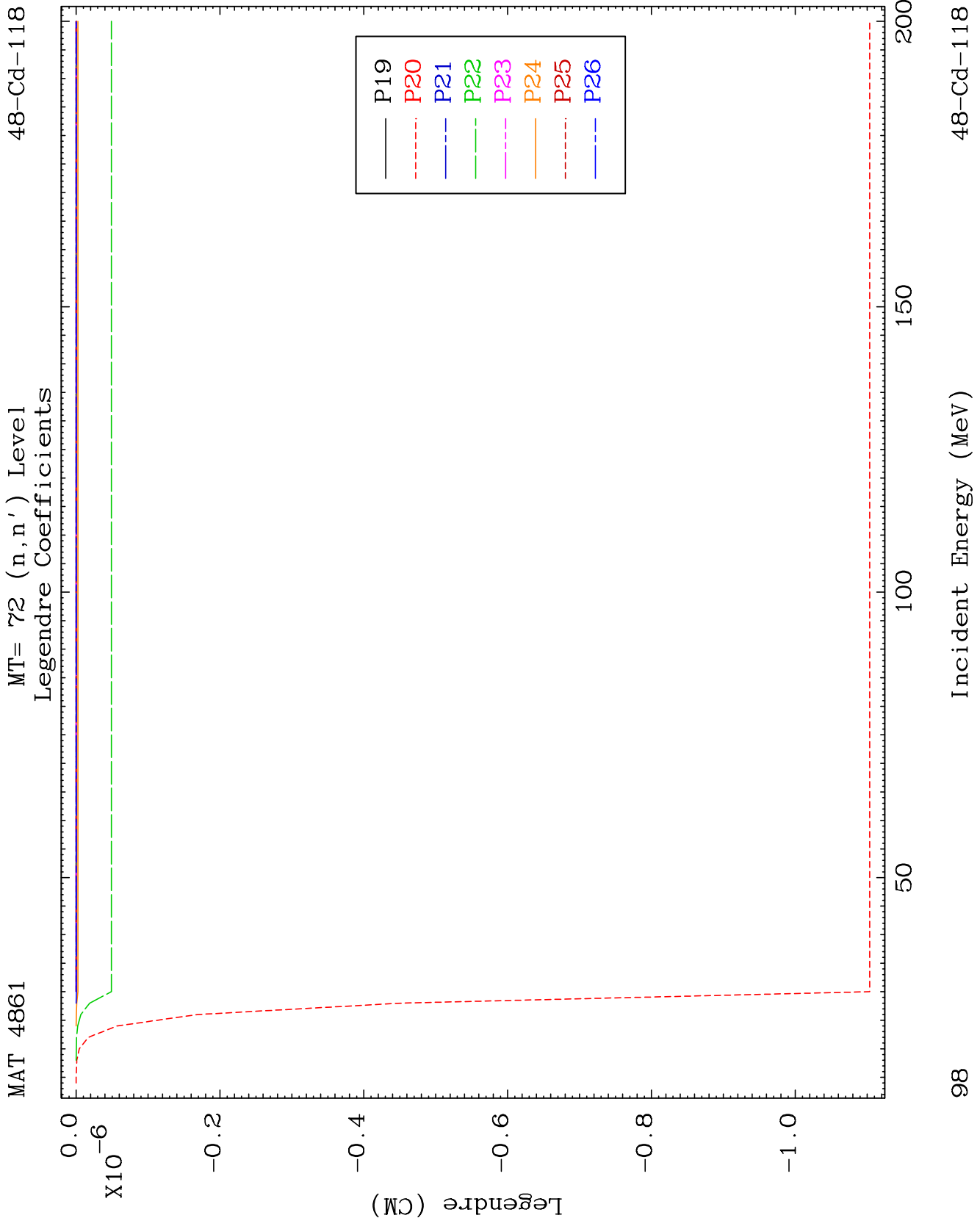


96

Incident Energy (MeV)

48-Cd-118

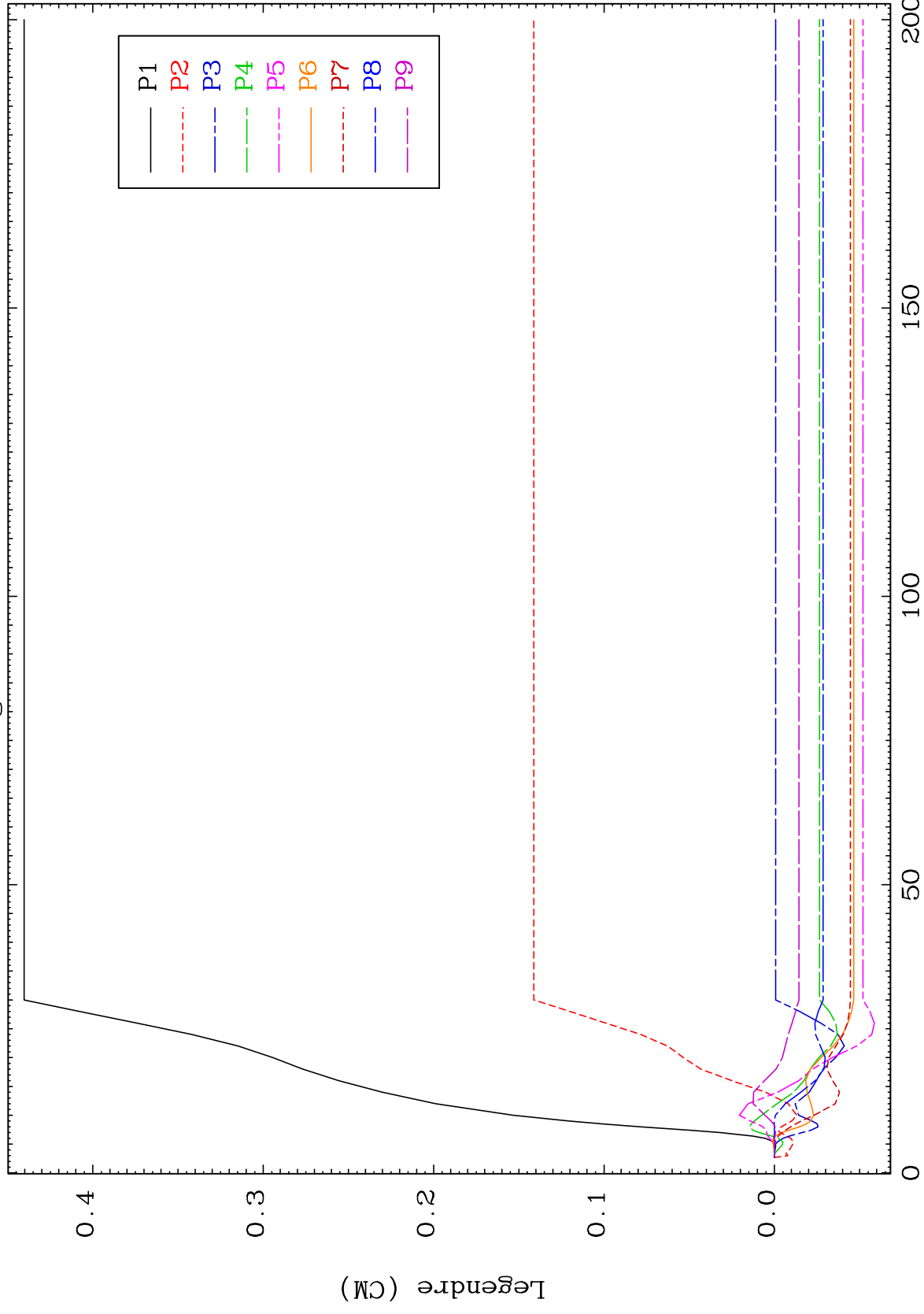




MAT 4861

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

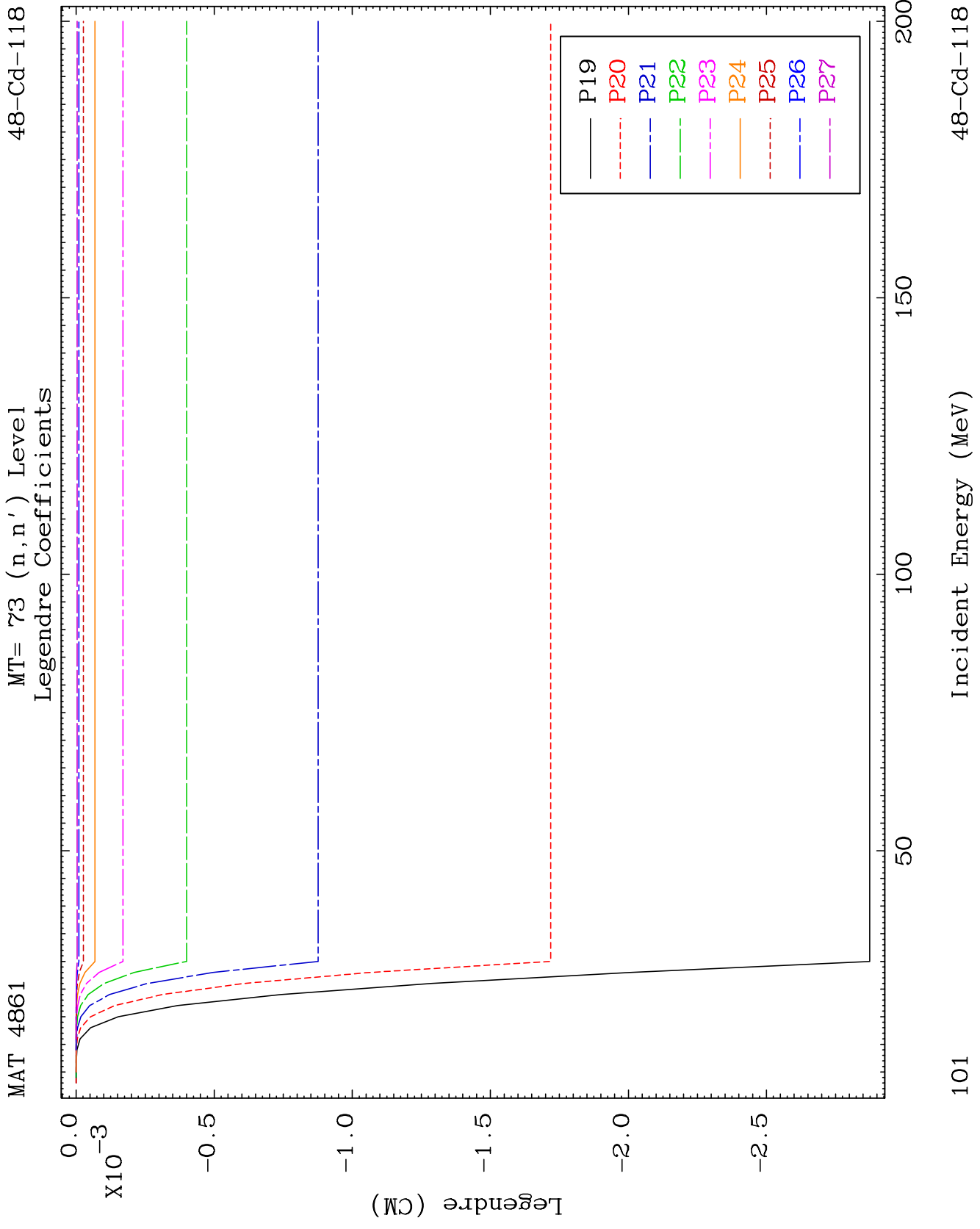
48-Cd-118

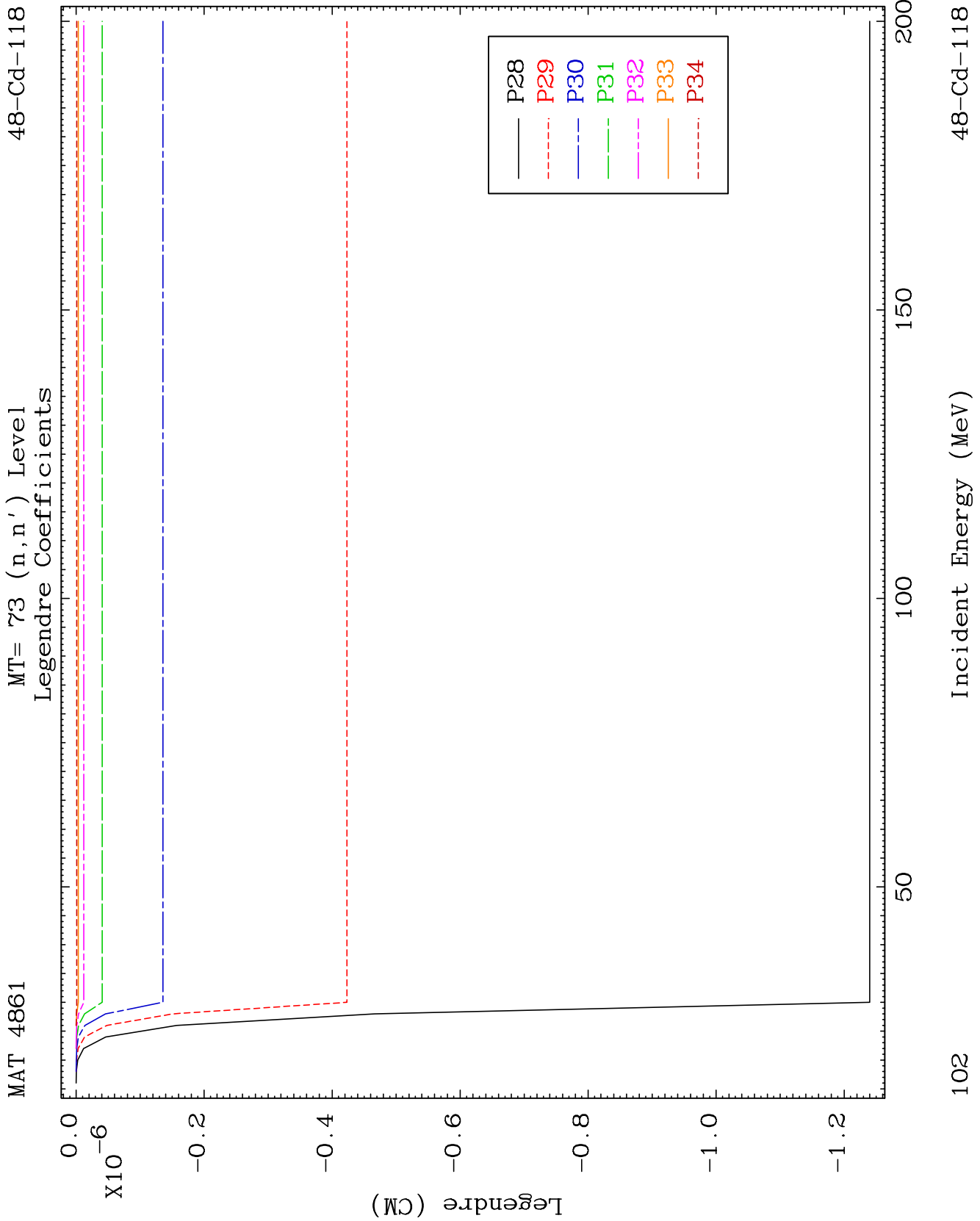


99

Incident Energy (MeV)

48-Cd-118

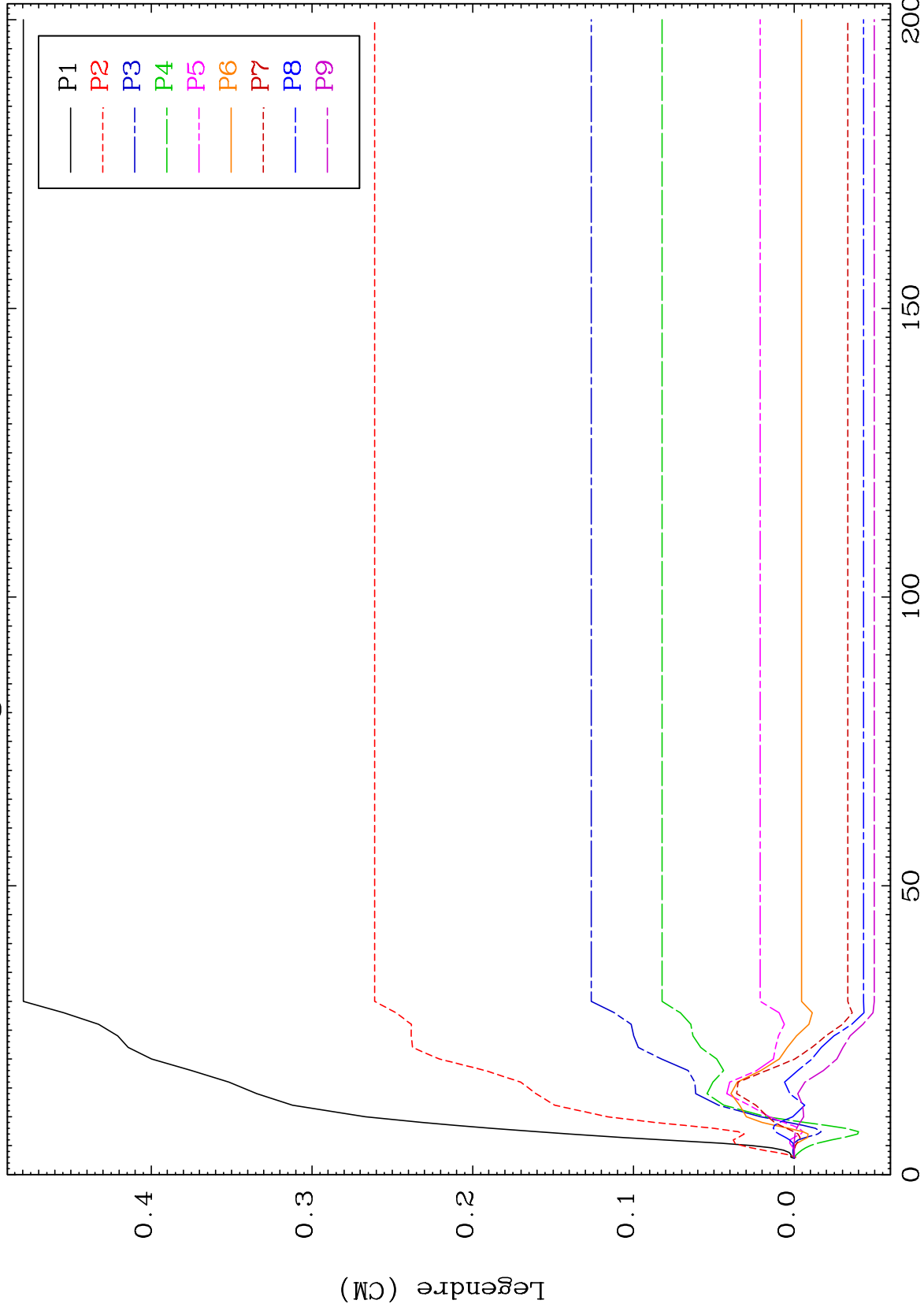




MAT 4861

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

48-Cd-118



103

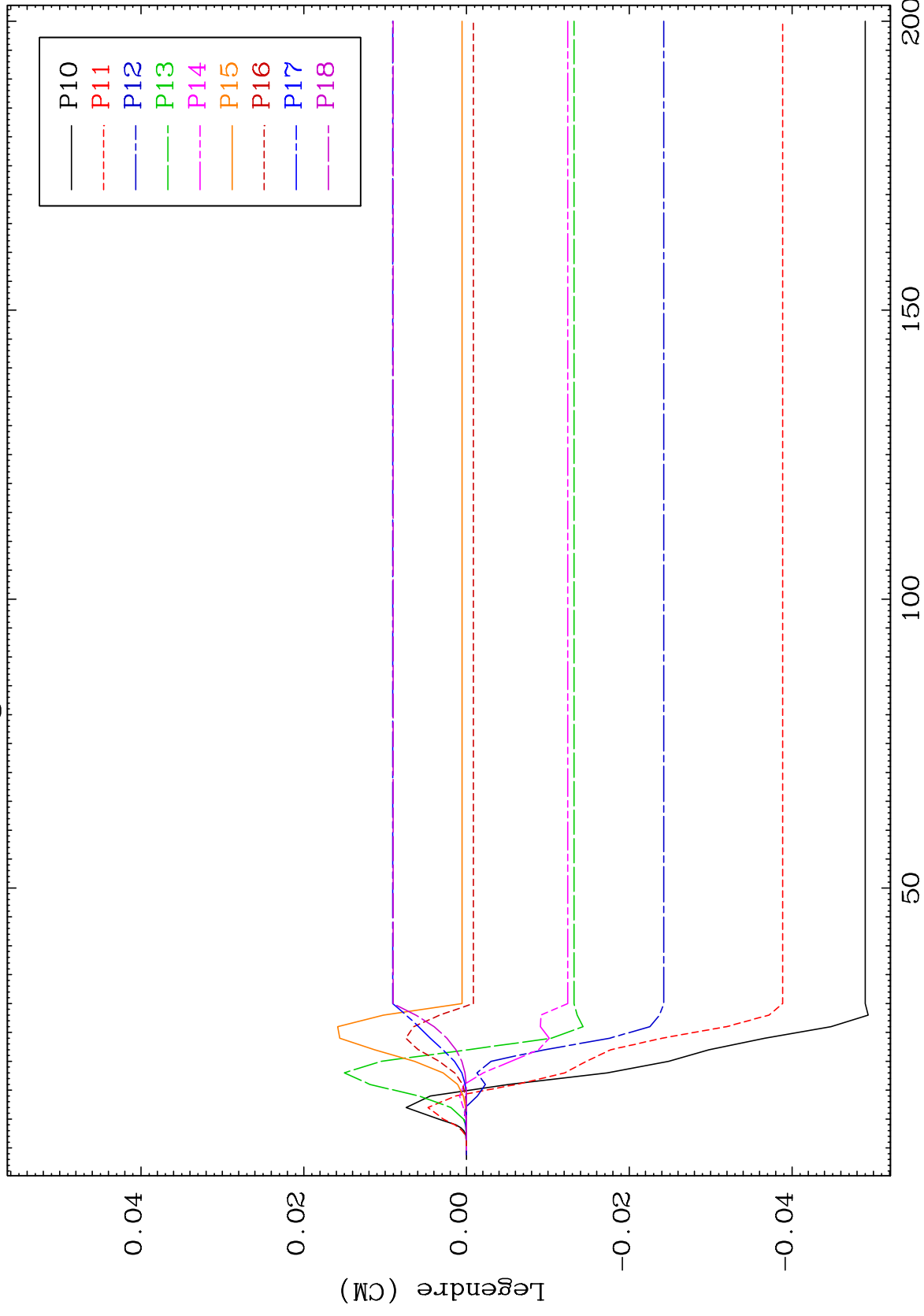
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



104

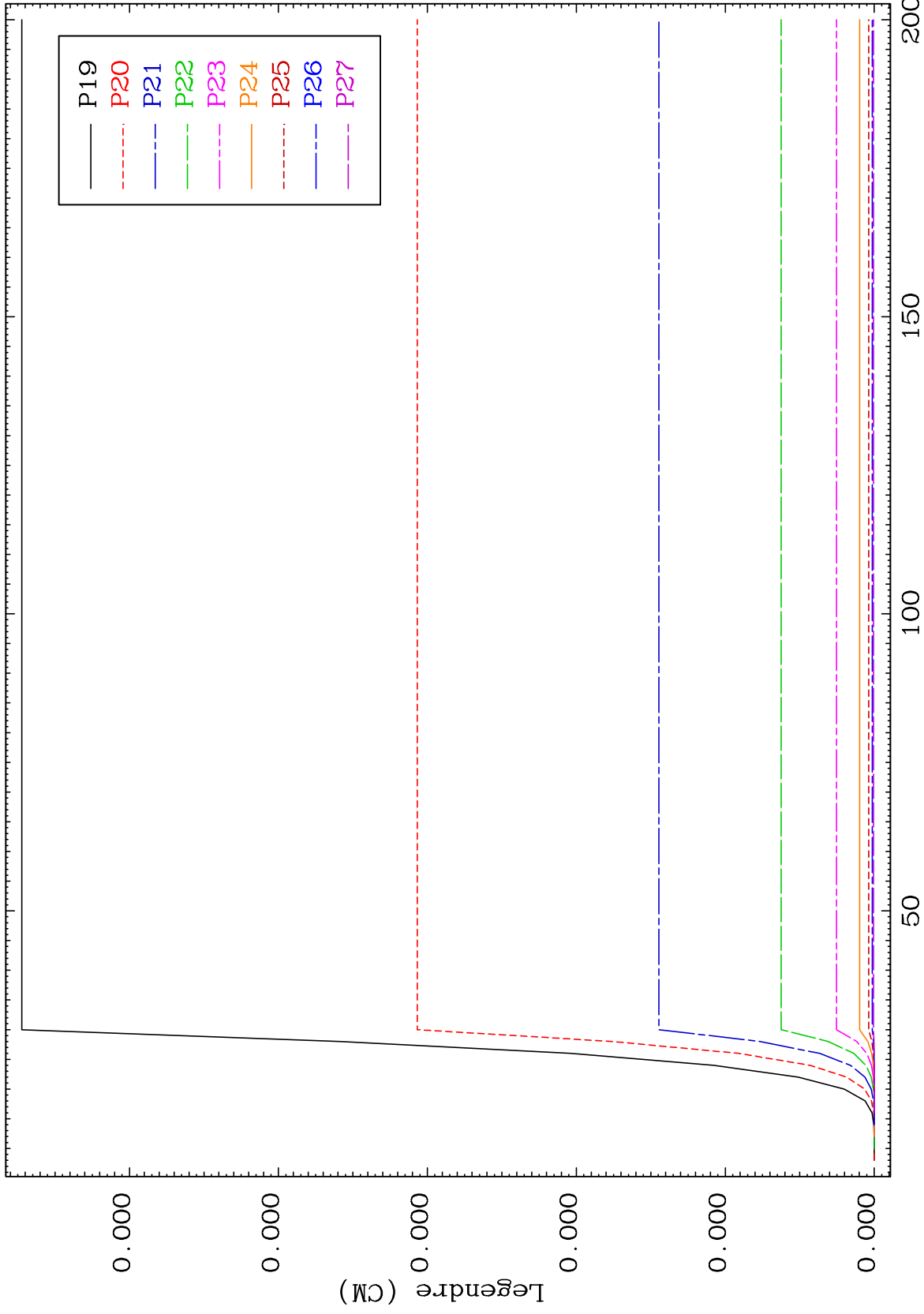
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



105

Incident Energy (MeV)

48-Cd-118

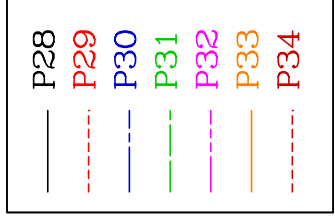
MAT 4861

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

48-Cd-118

$\times 10^{-6}$
1.5

Legendre (CM)



0.0

0.5

1.0

1.5

50

100

150

200

106

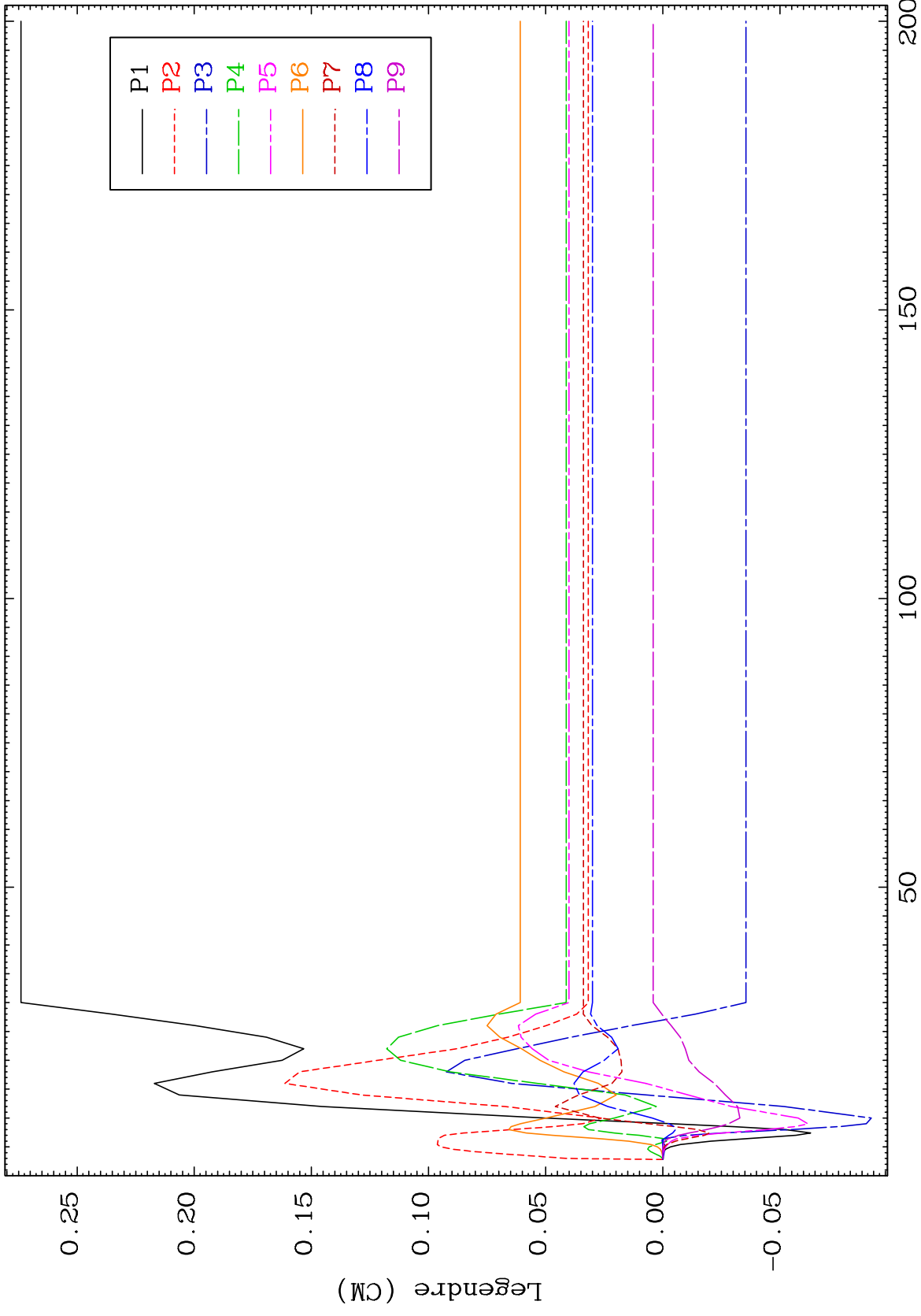
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



107

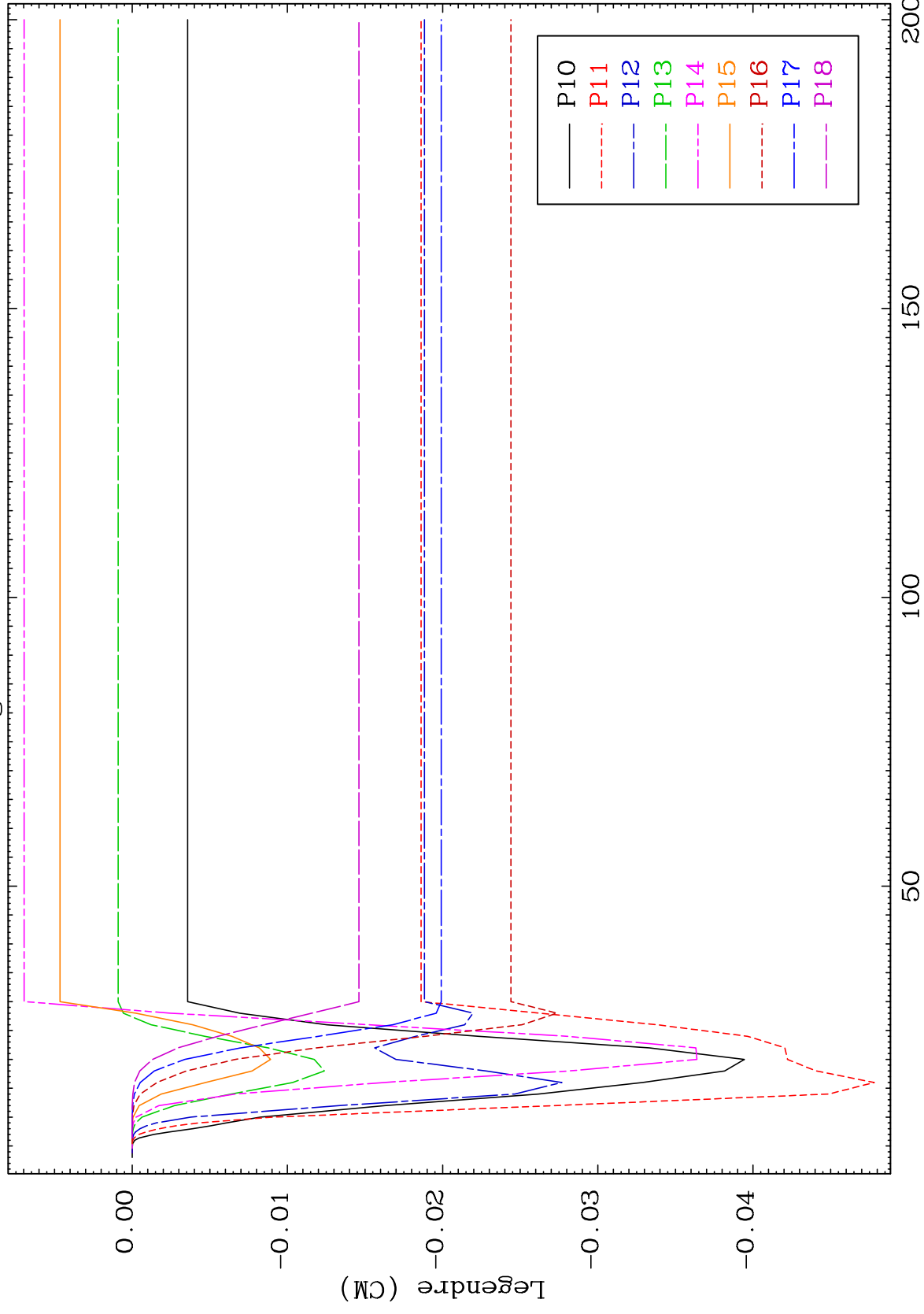
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

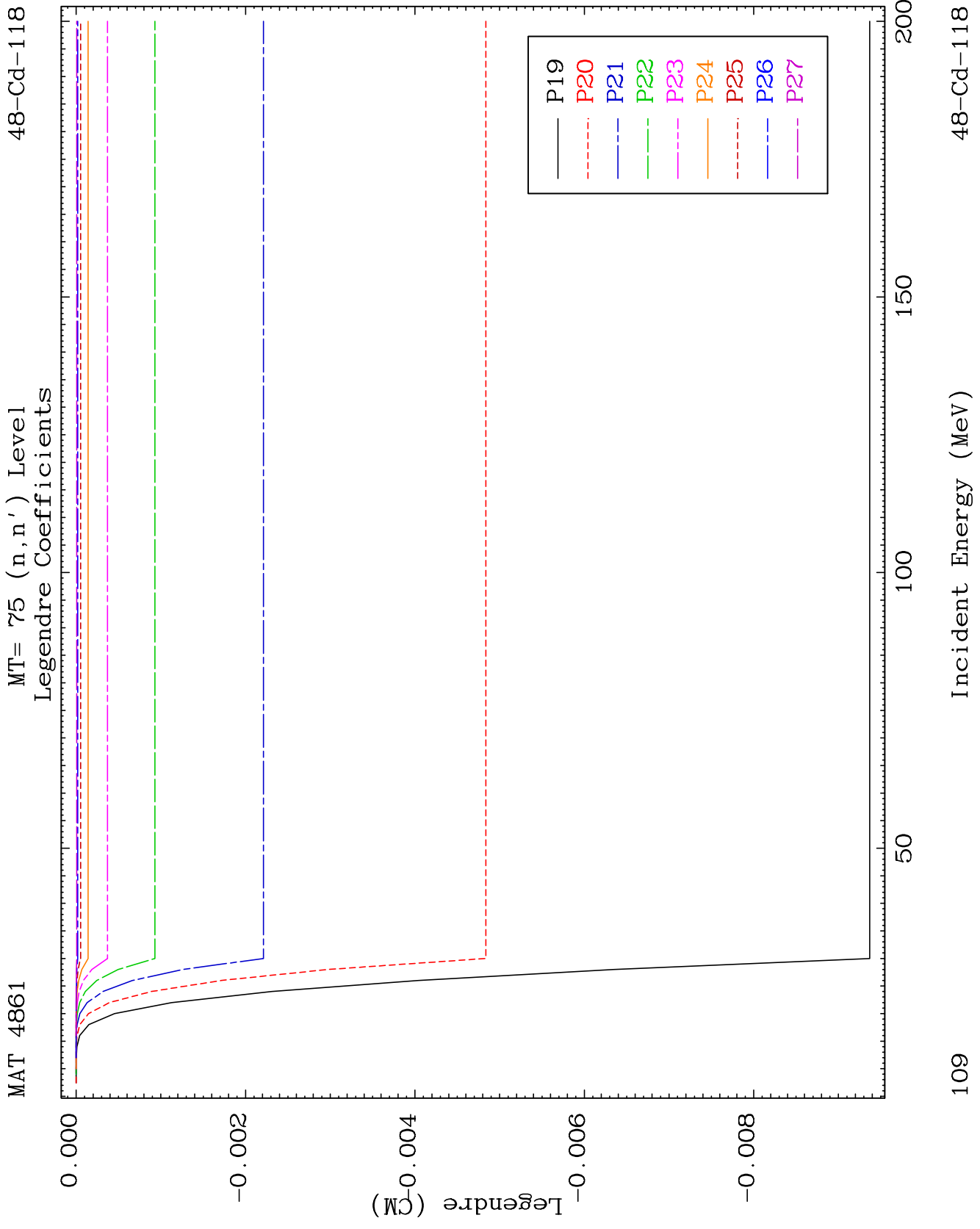
48-Cd-118

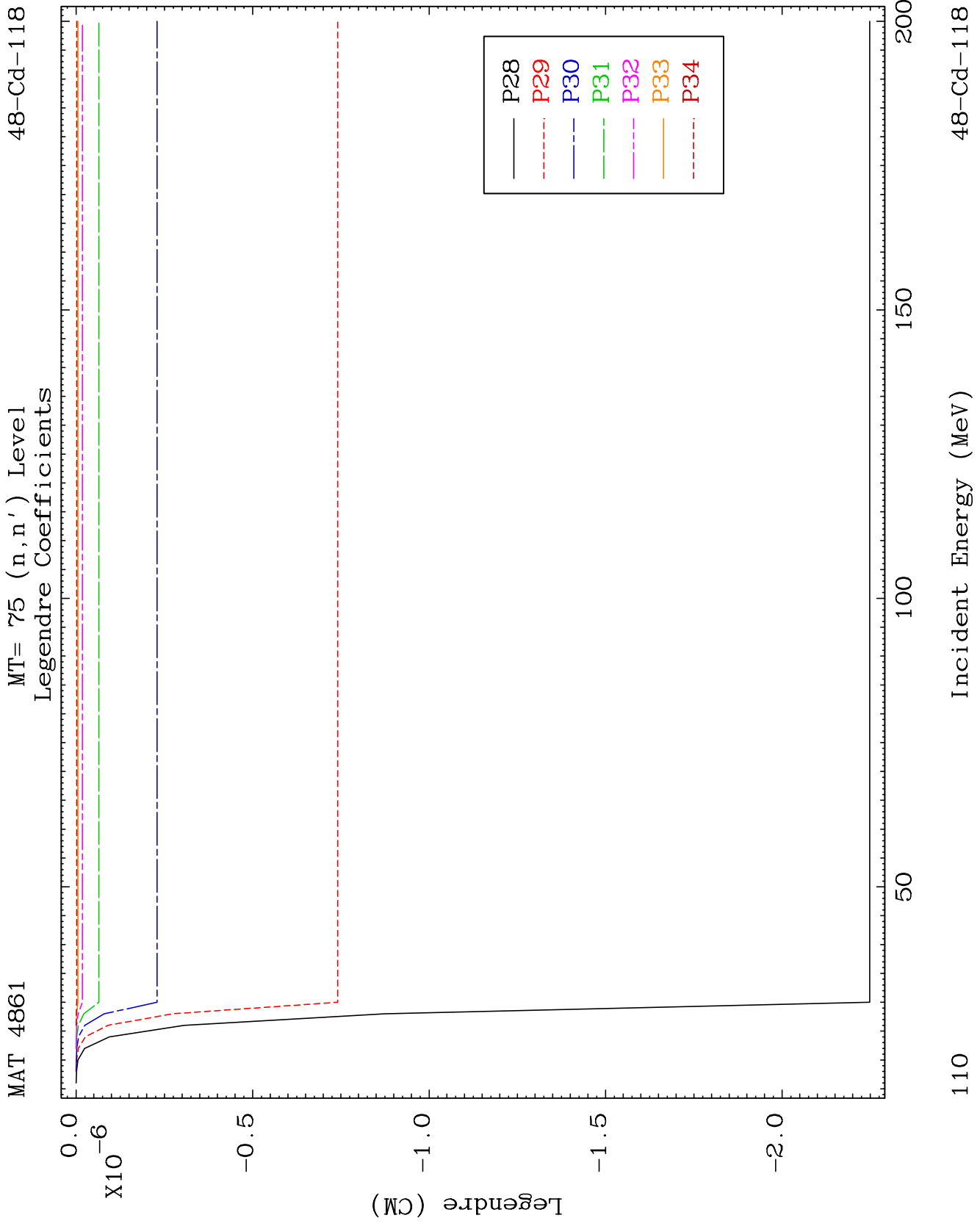


108

Incident Energy (MeV)

48-Cd-118

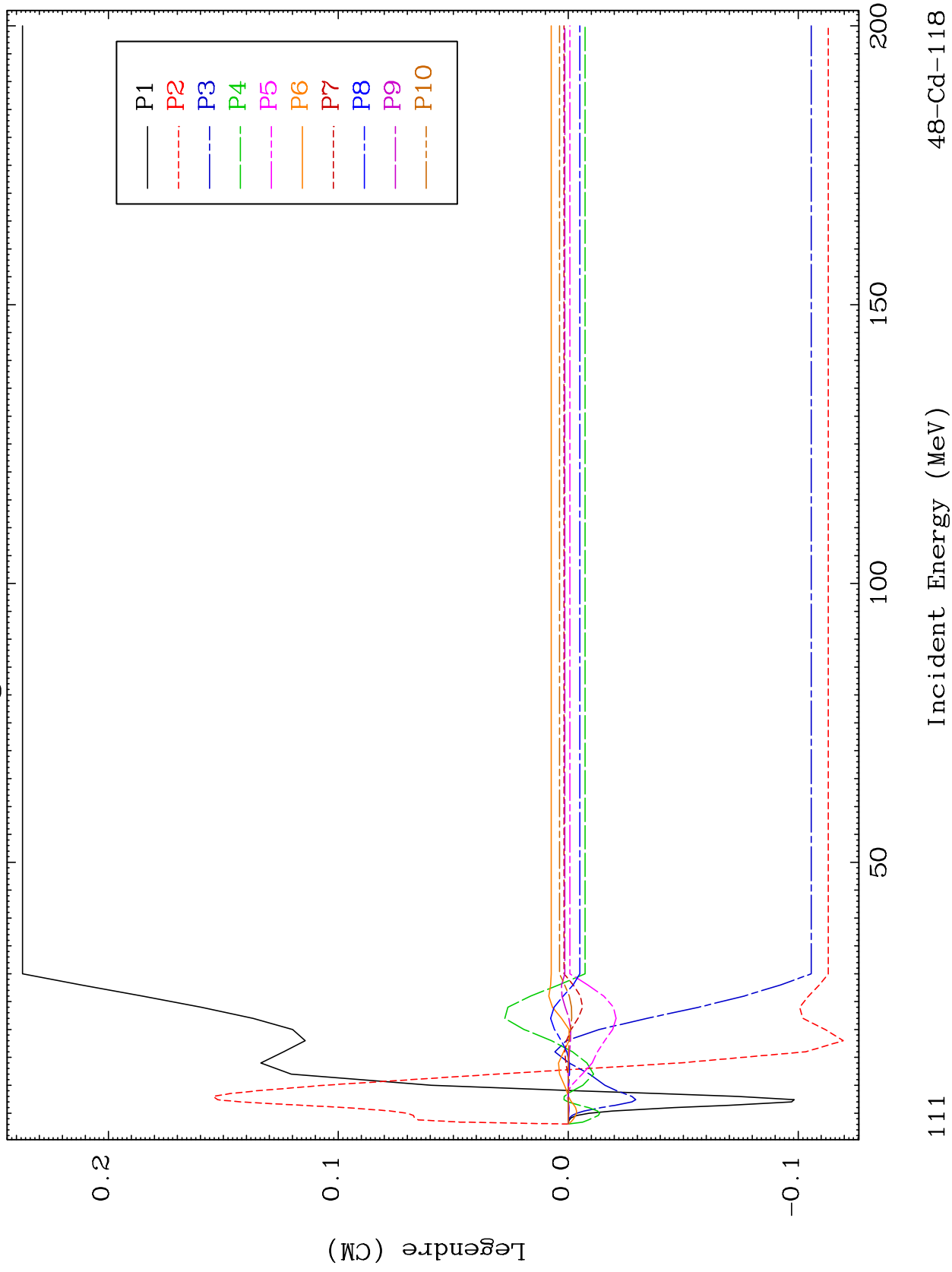




MAT 4861

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

48-Cd-118

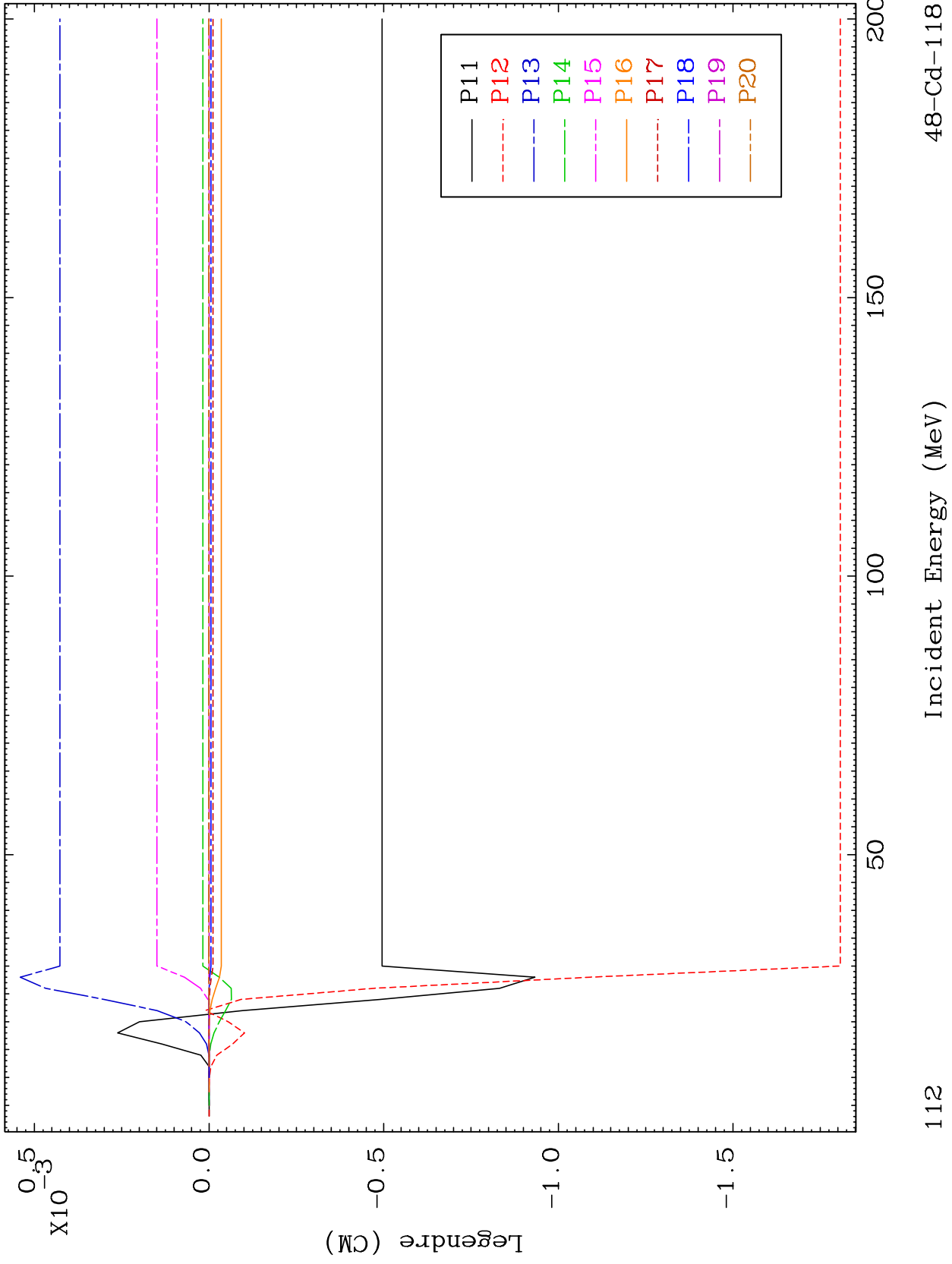


111

MAT 4861

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

48-Cd-118



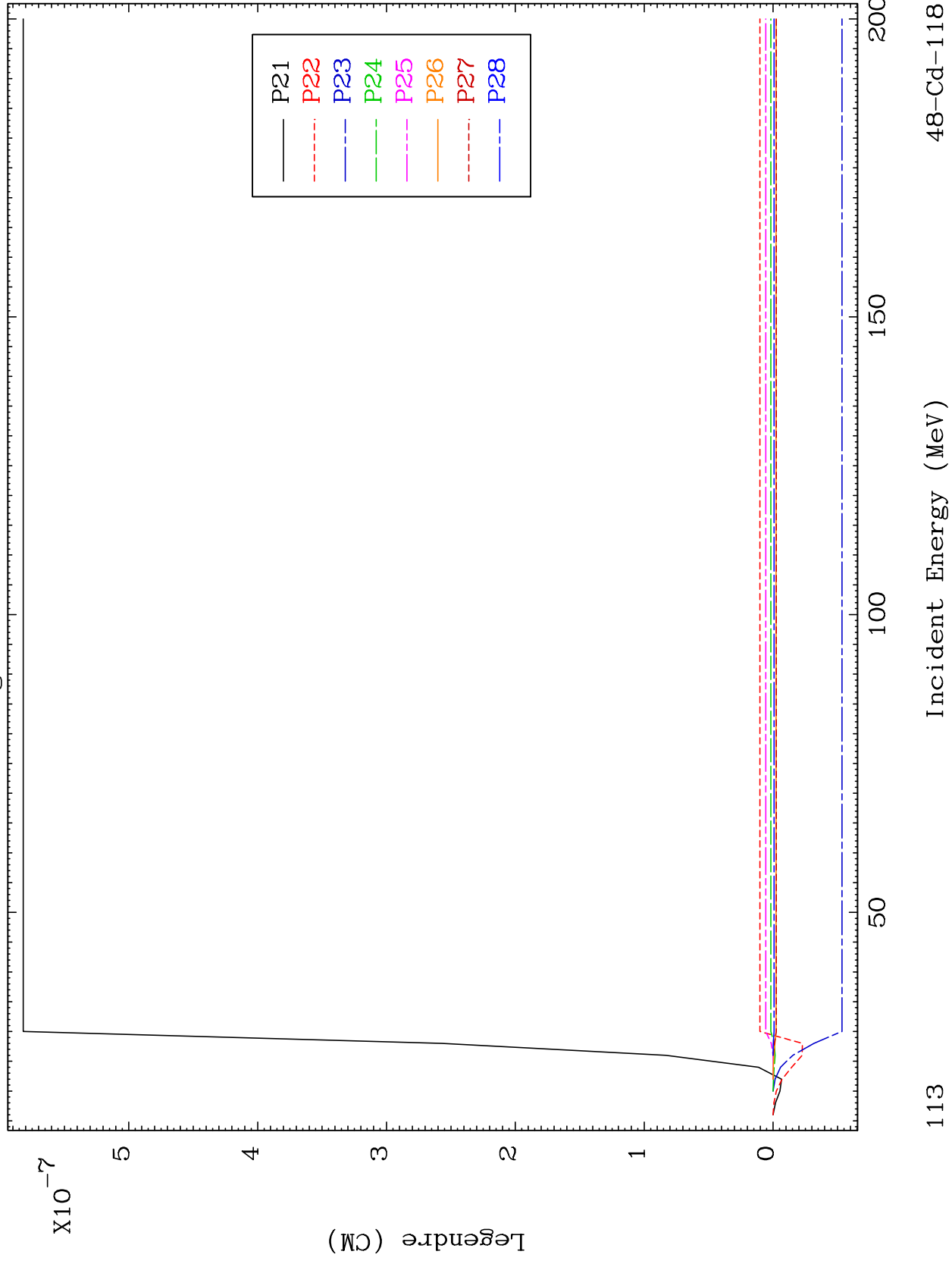
112

48-Cd-118

MAT 4861

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

48-Cd-118



113

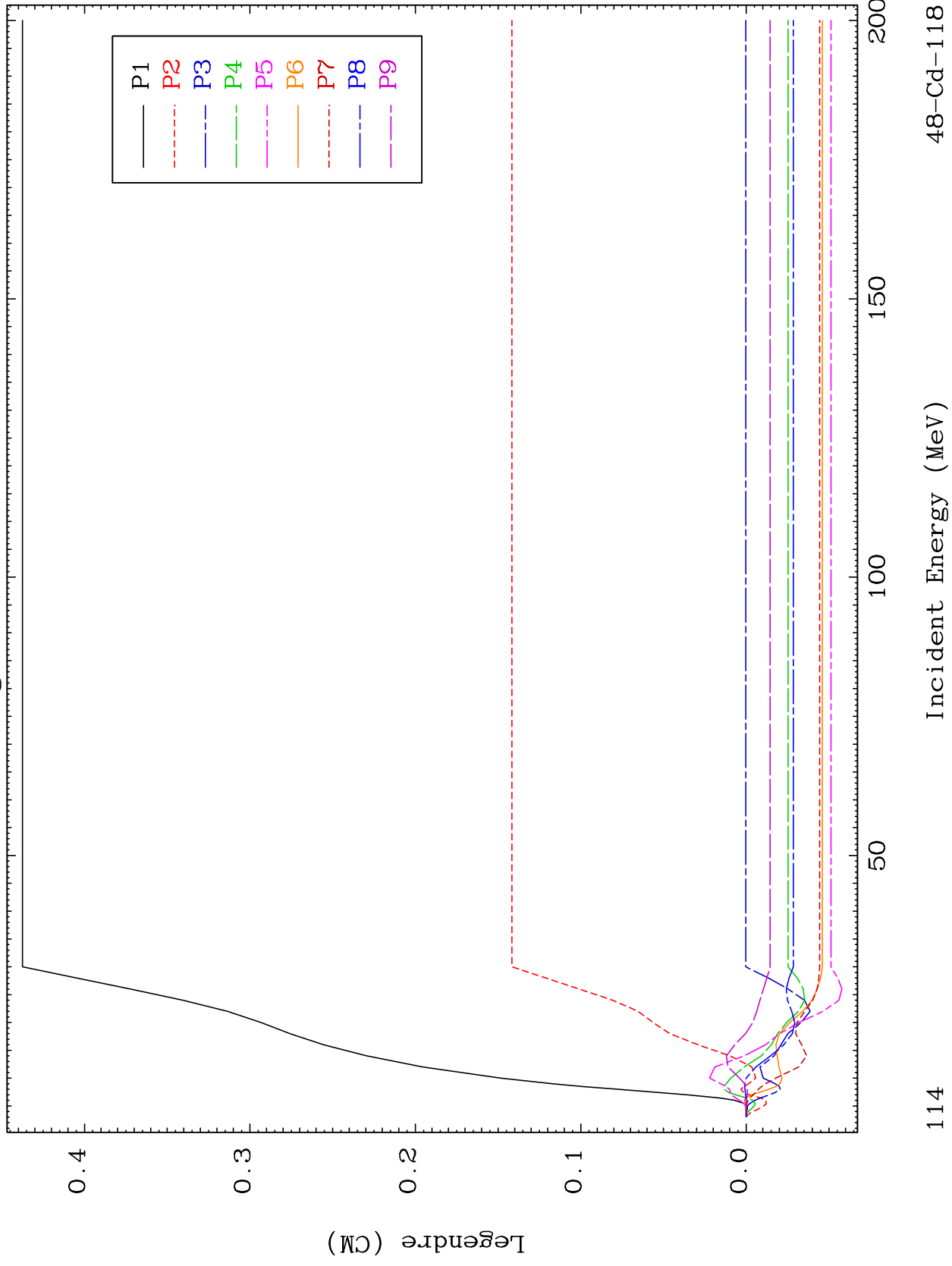
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



114

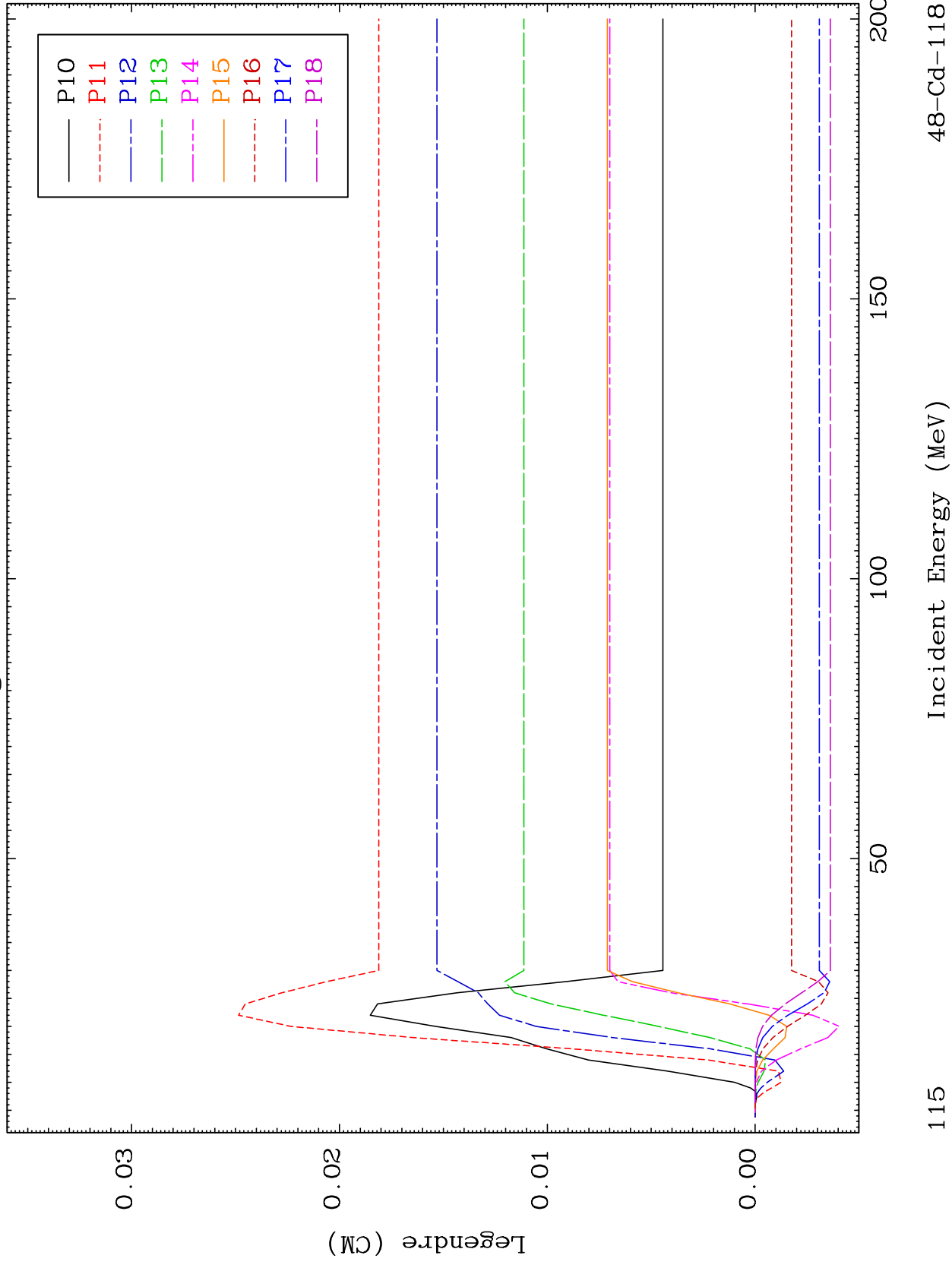
Incident Energy (MeV)

48-Cd-118

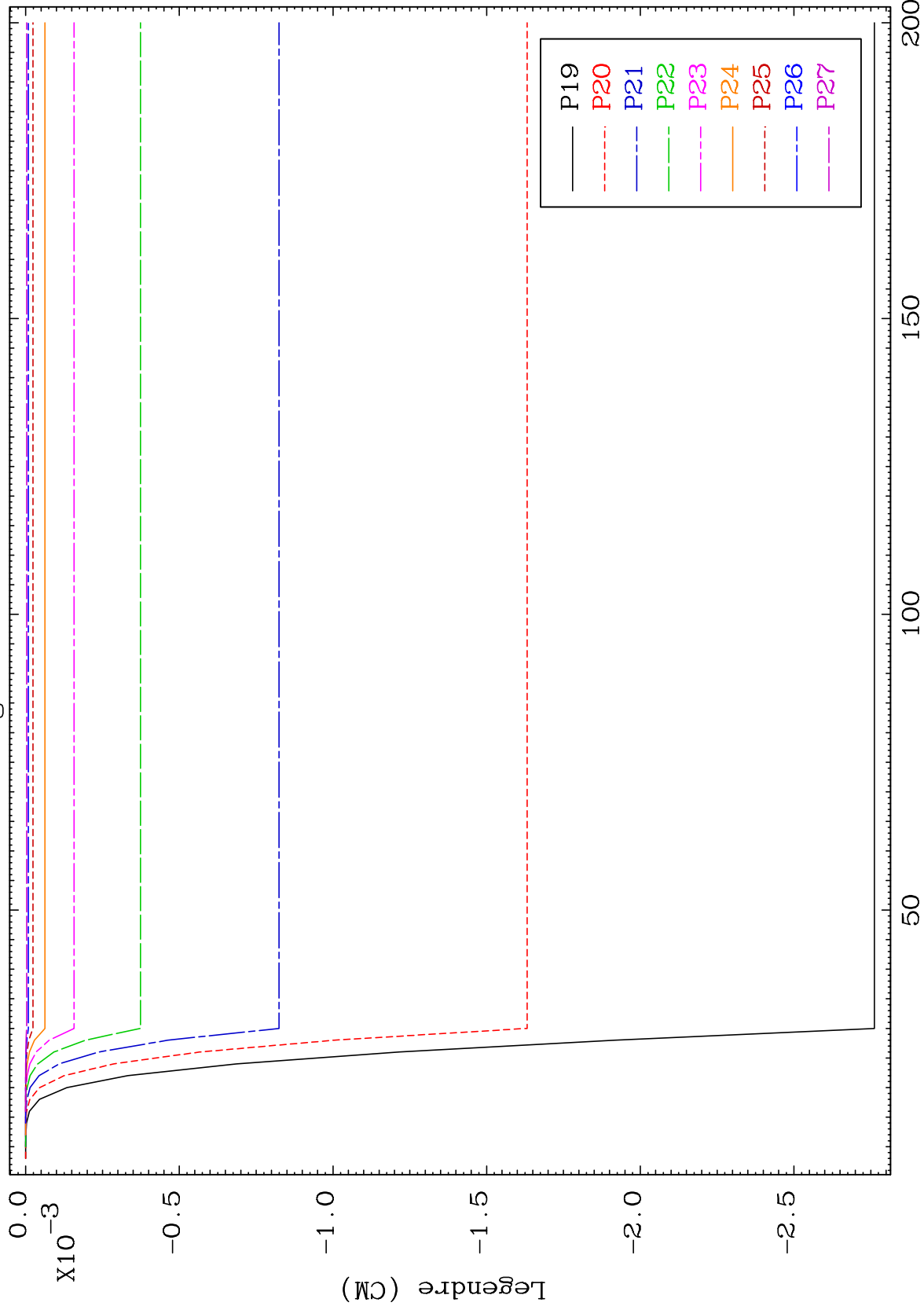
MAT 4861

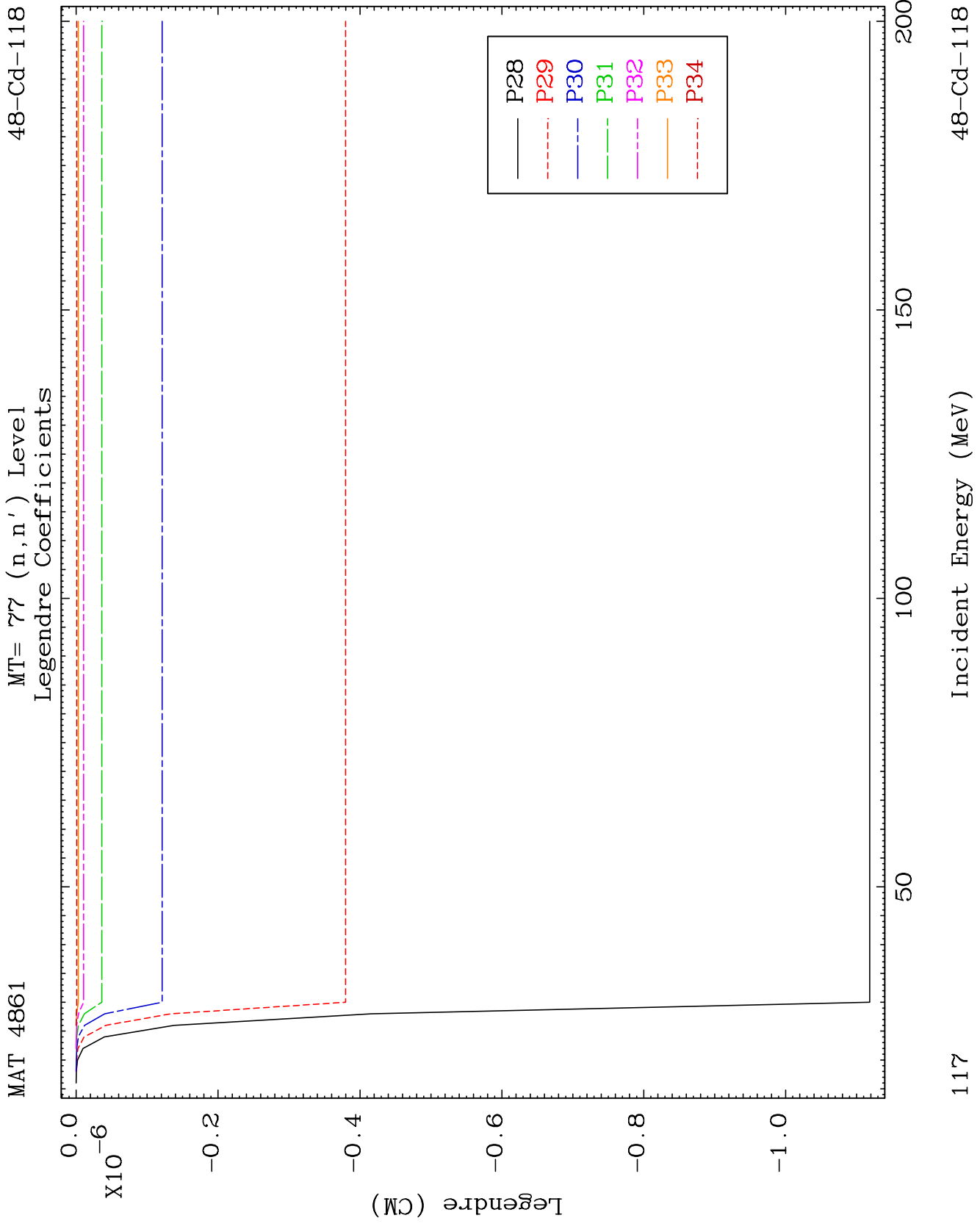
MT= 77 (n,n') Level
Legendre Coefficients

48-Cd-118



Legendre Coefficients

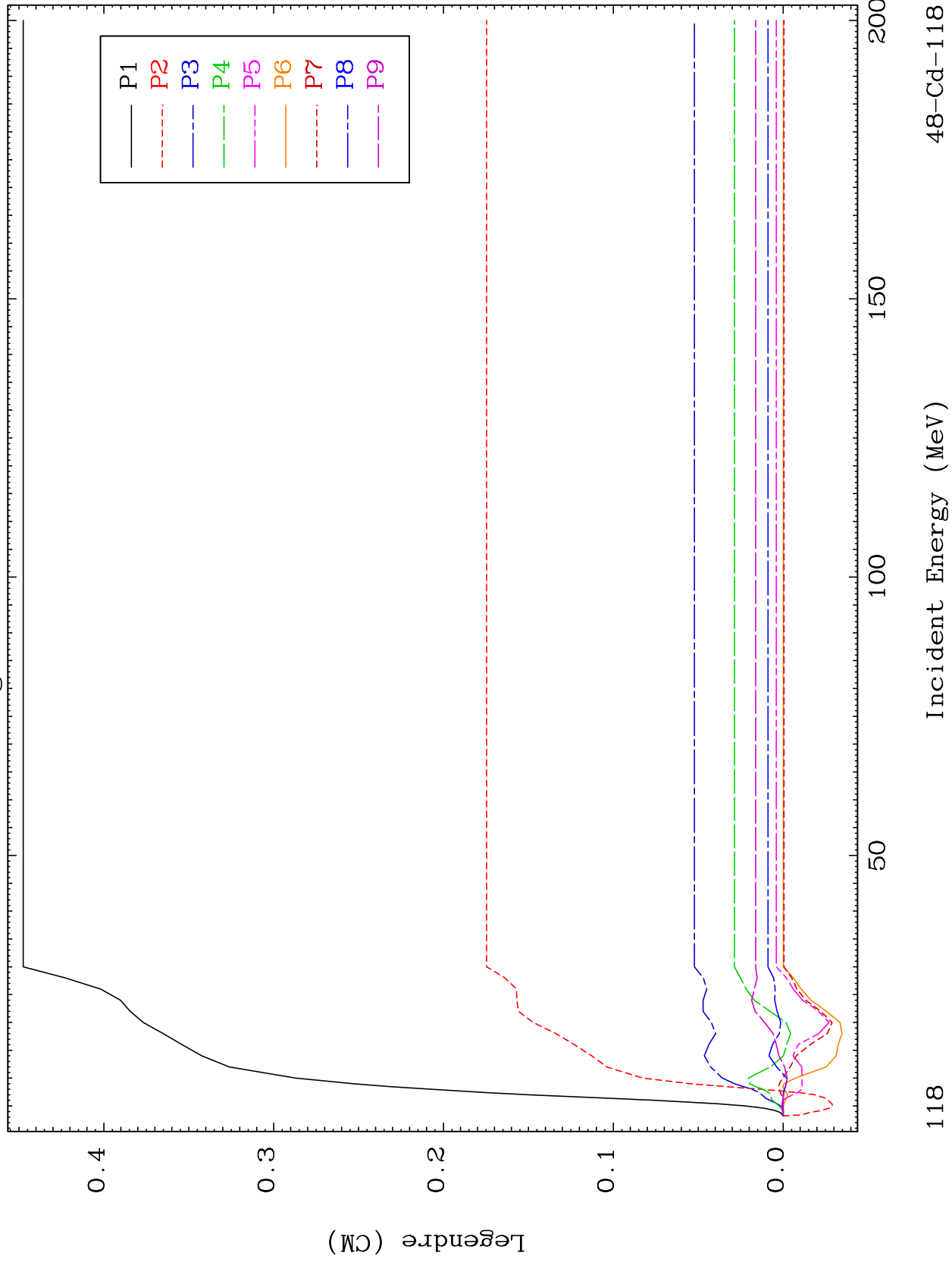




MAT 4861

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

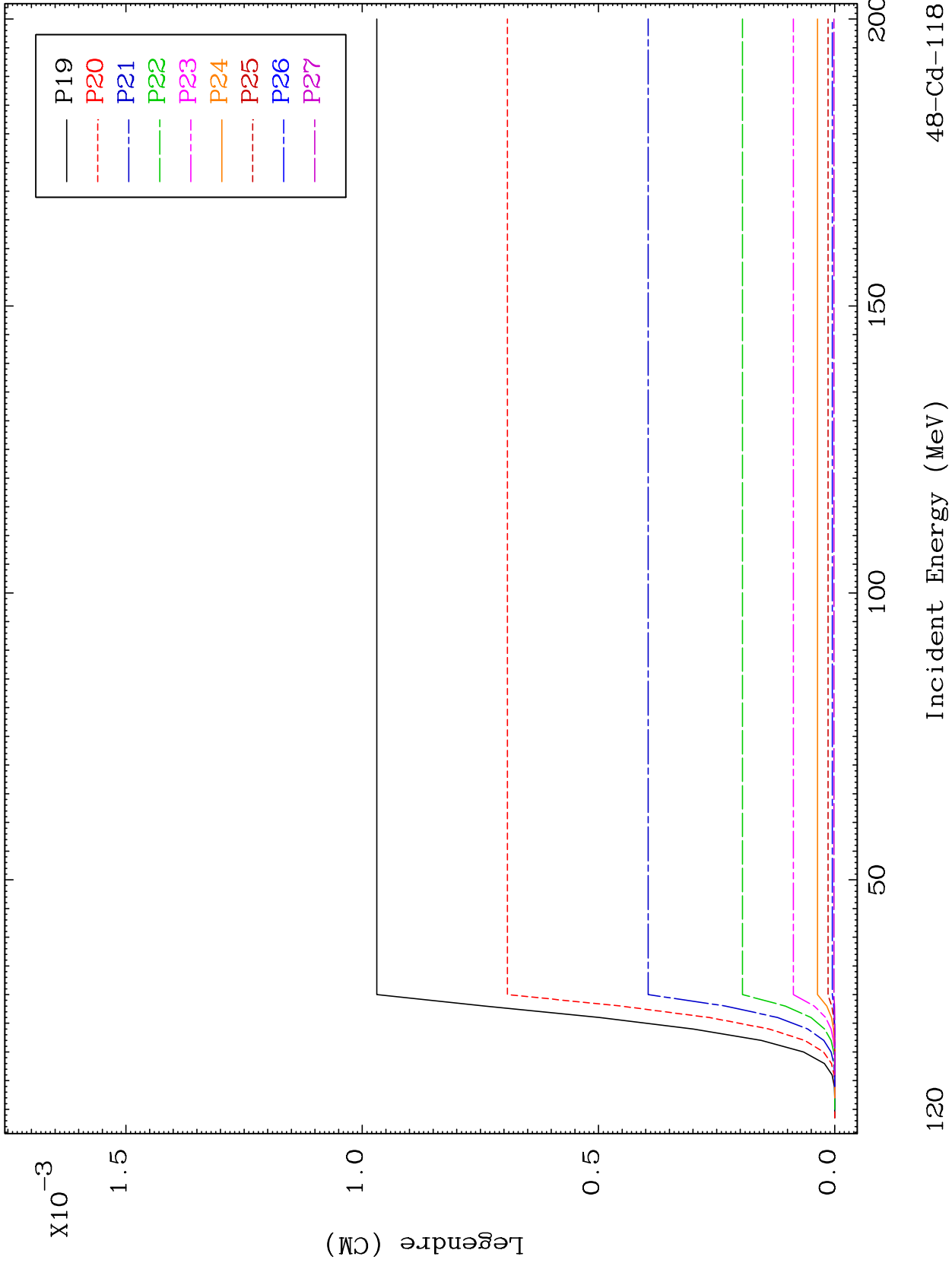
48-Cd-118



MAT 4861

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

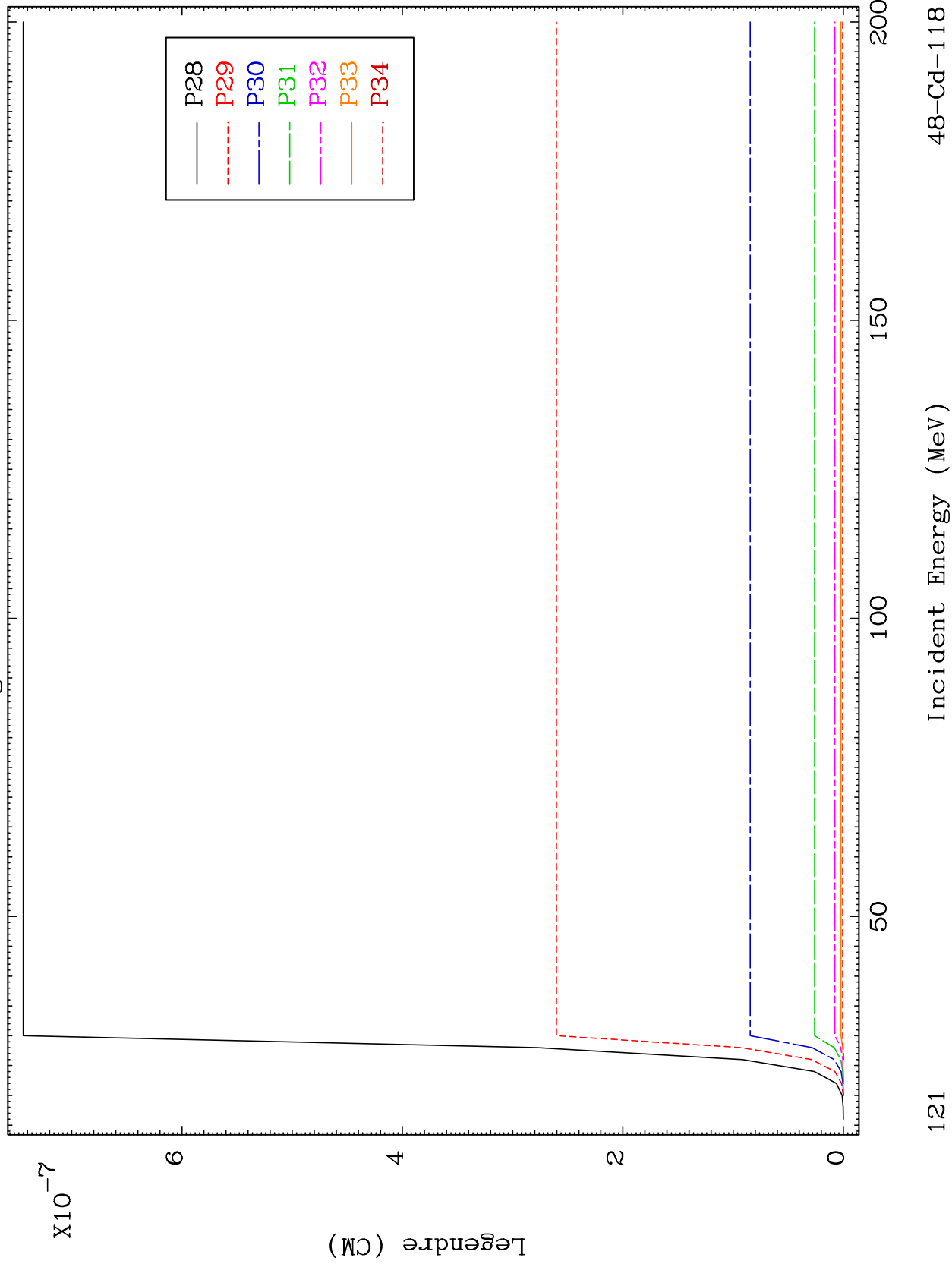
48-Cd-118



MAT 4861

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

48-Cd-118



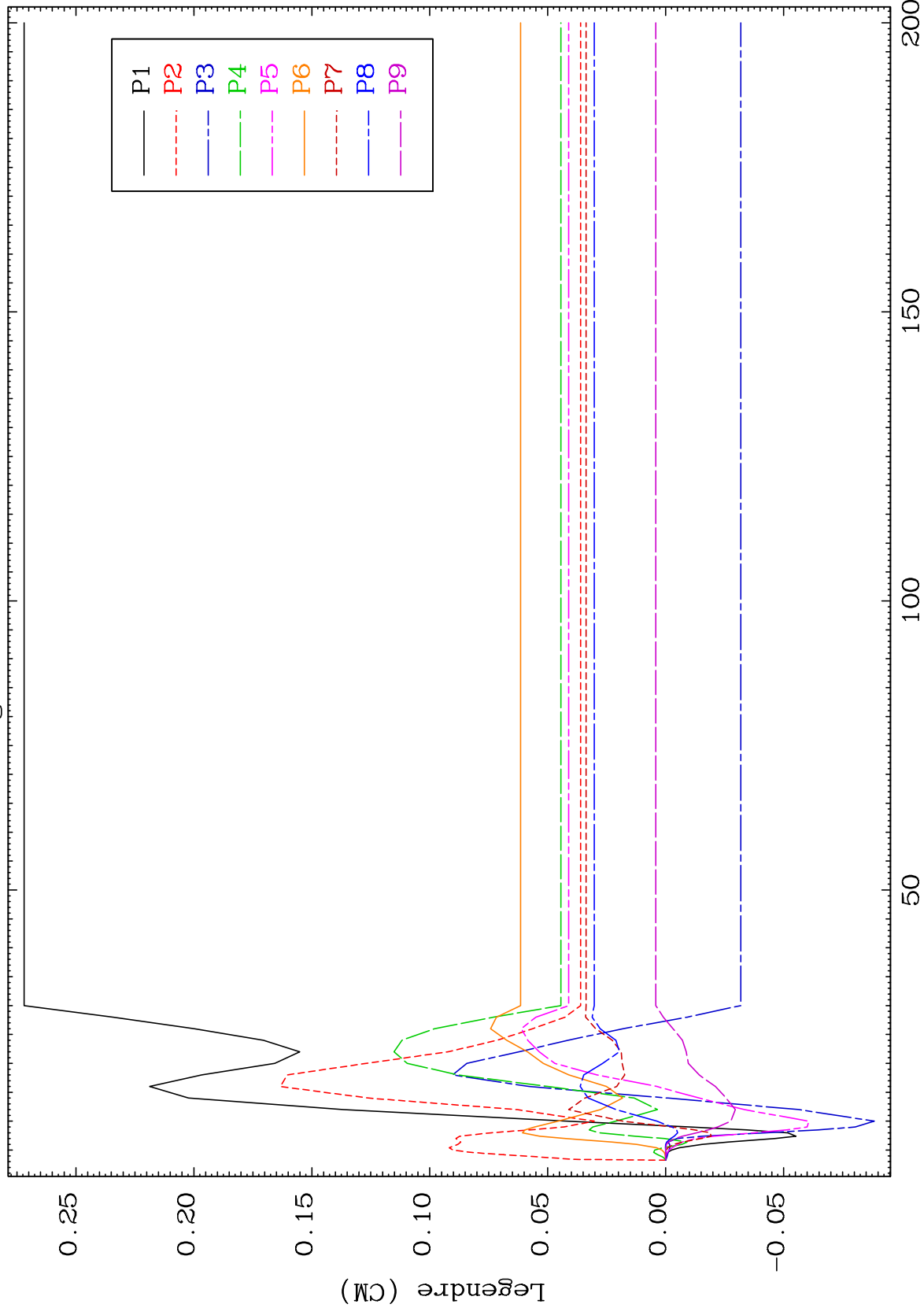
121

48-Cd-118

MAT 4861

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

48-Cd-118



122

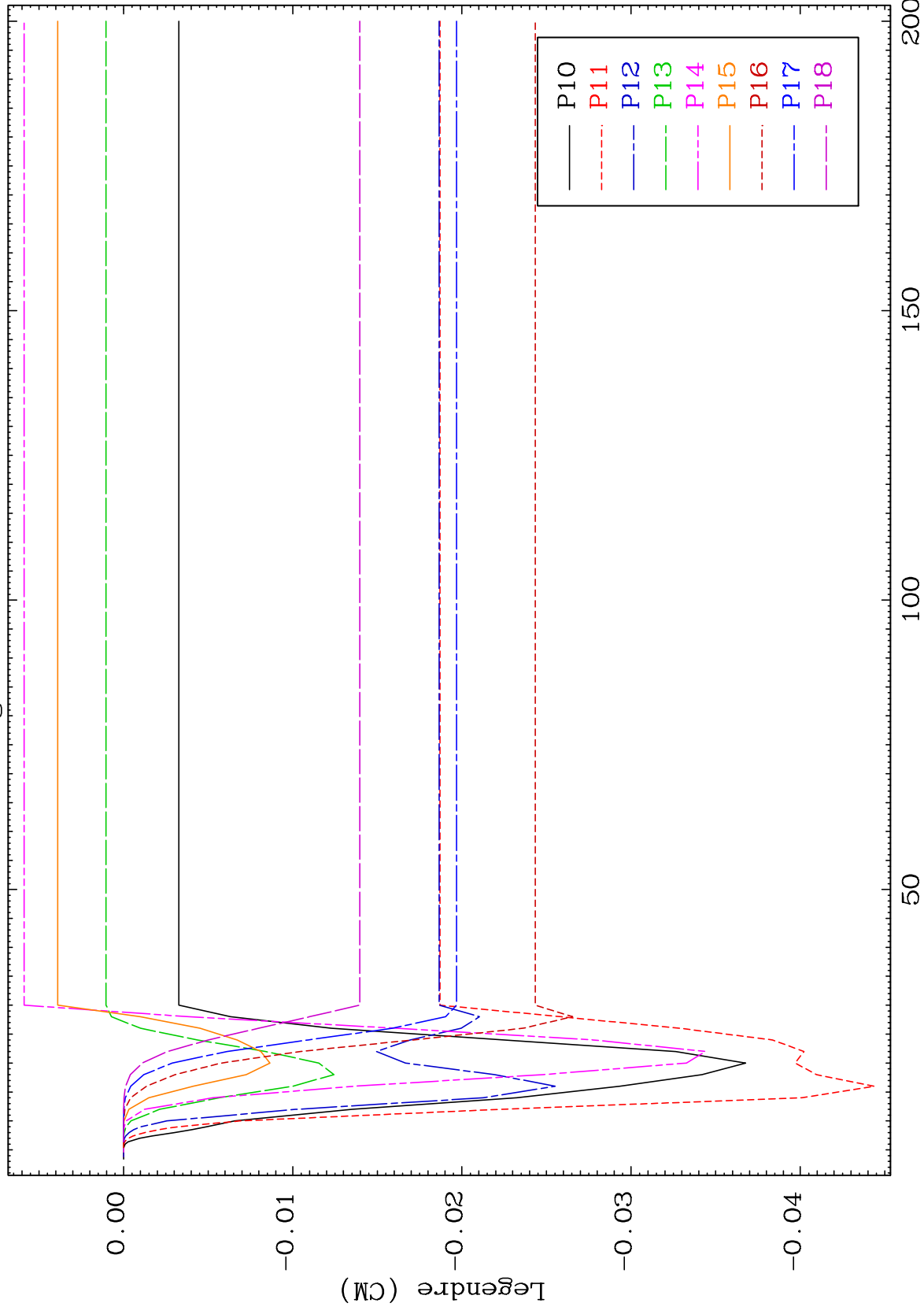
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

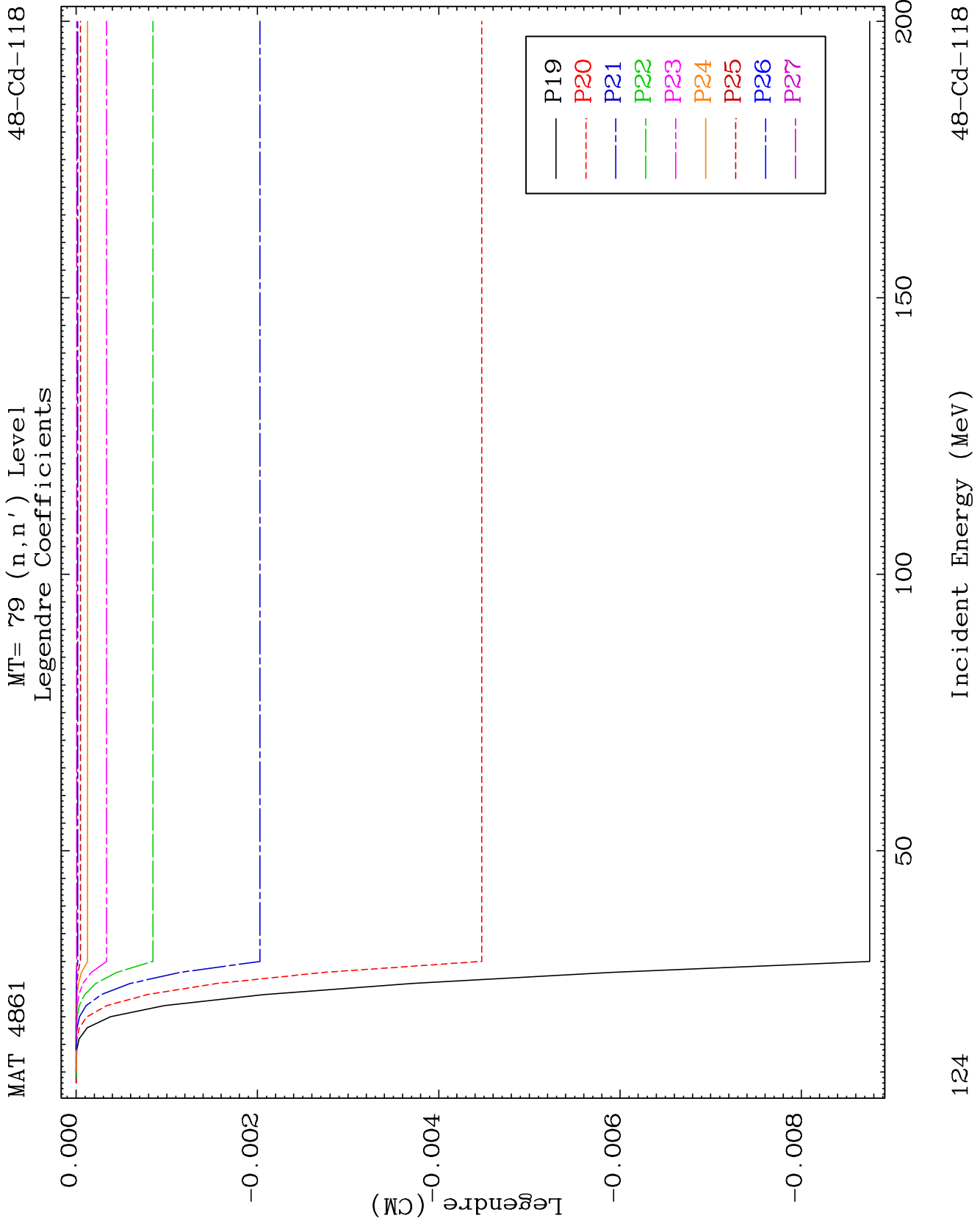
48-Cd-118



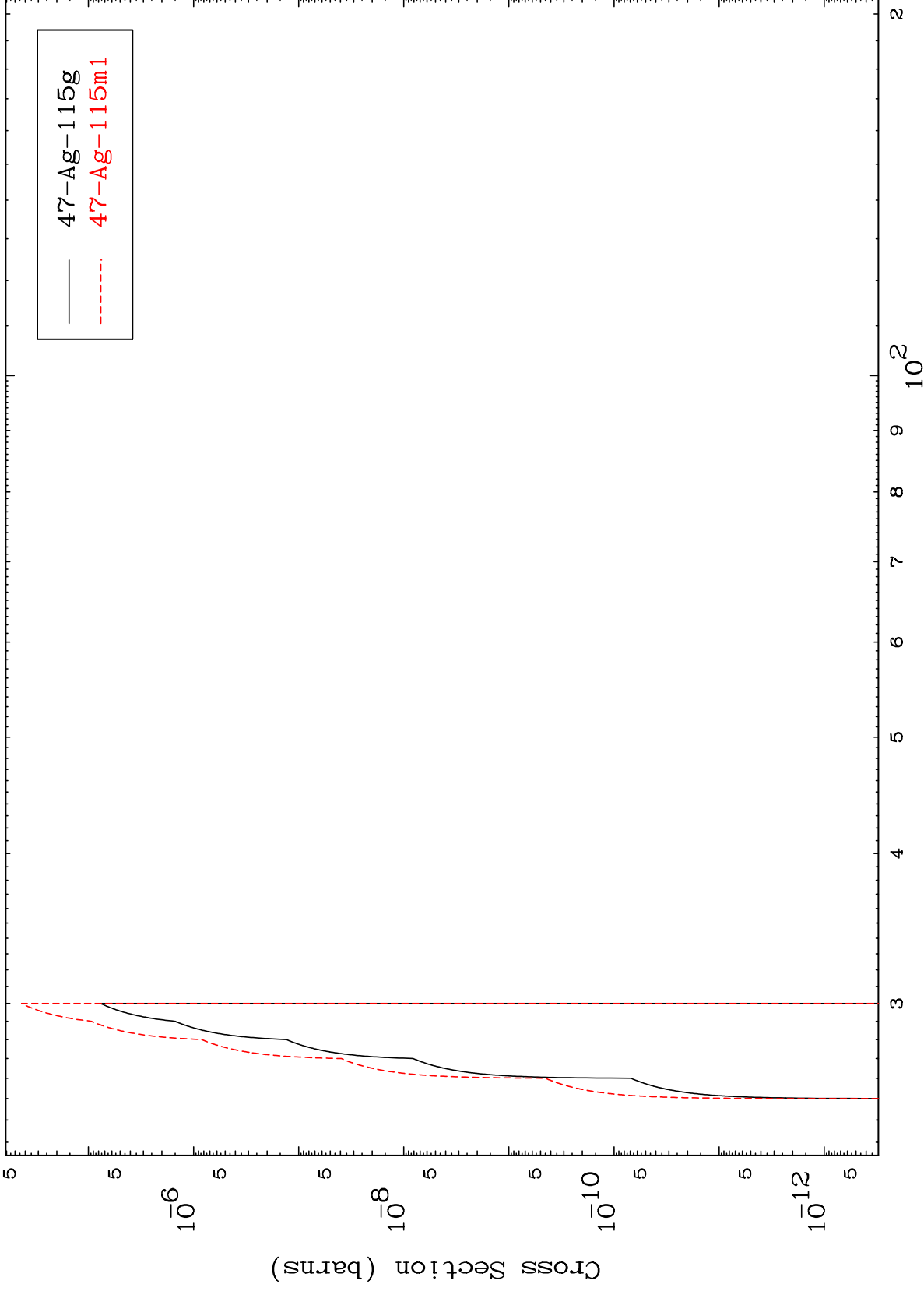
123

Incident Energy (MeV)

48-Cd-118



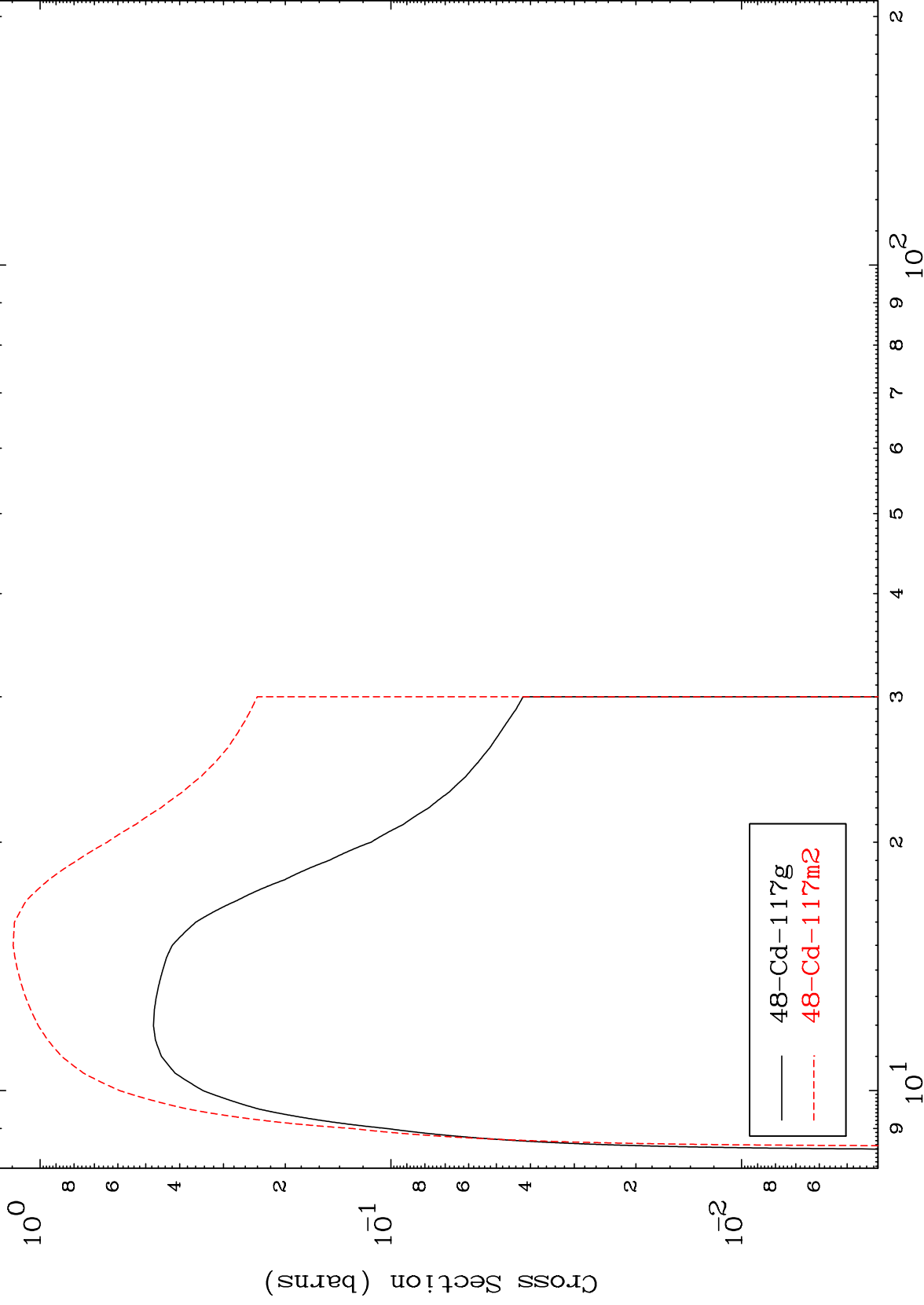
Radionuclide Production Cross Section



MAT 4861

48-Cd-118

(n,2n)
Radionuclide Production Cross Section



127

Incident Energy (MeV)

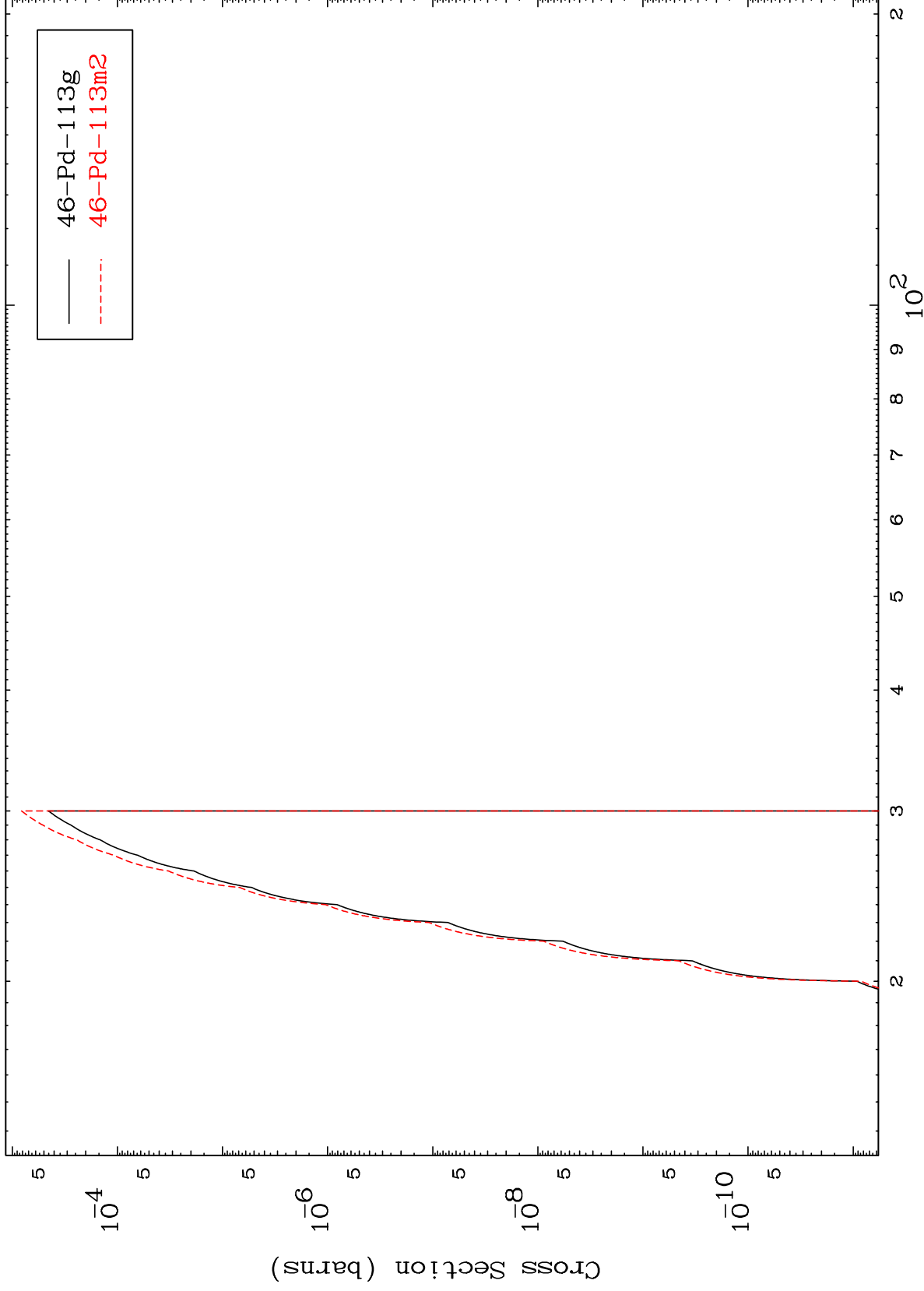
48-Cd-118

MAT 4861

(n,2n) α

48-Cd-118

Radionuclide Production Cross Section

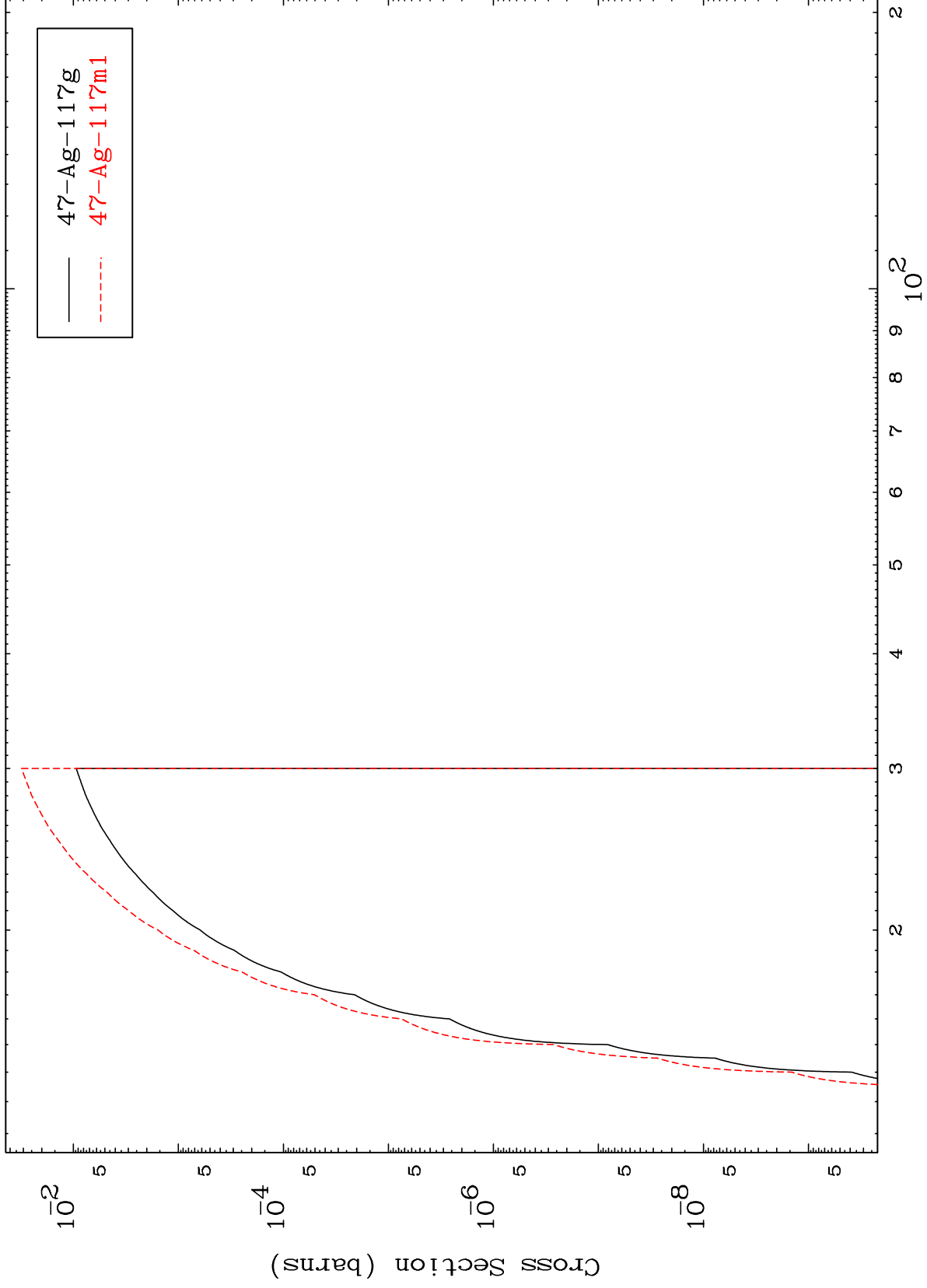


128

Incident Energy (MeV)

48-Cd-118

Radionuclide Production Cross Section

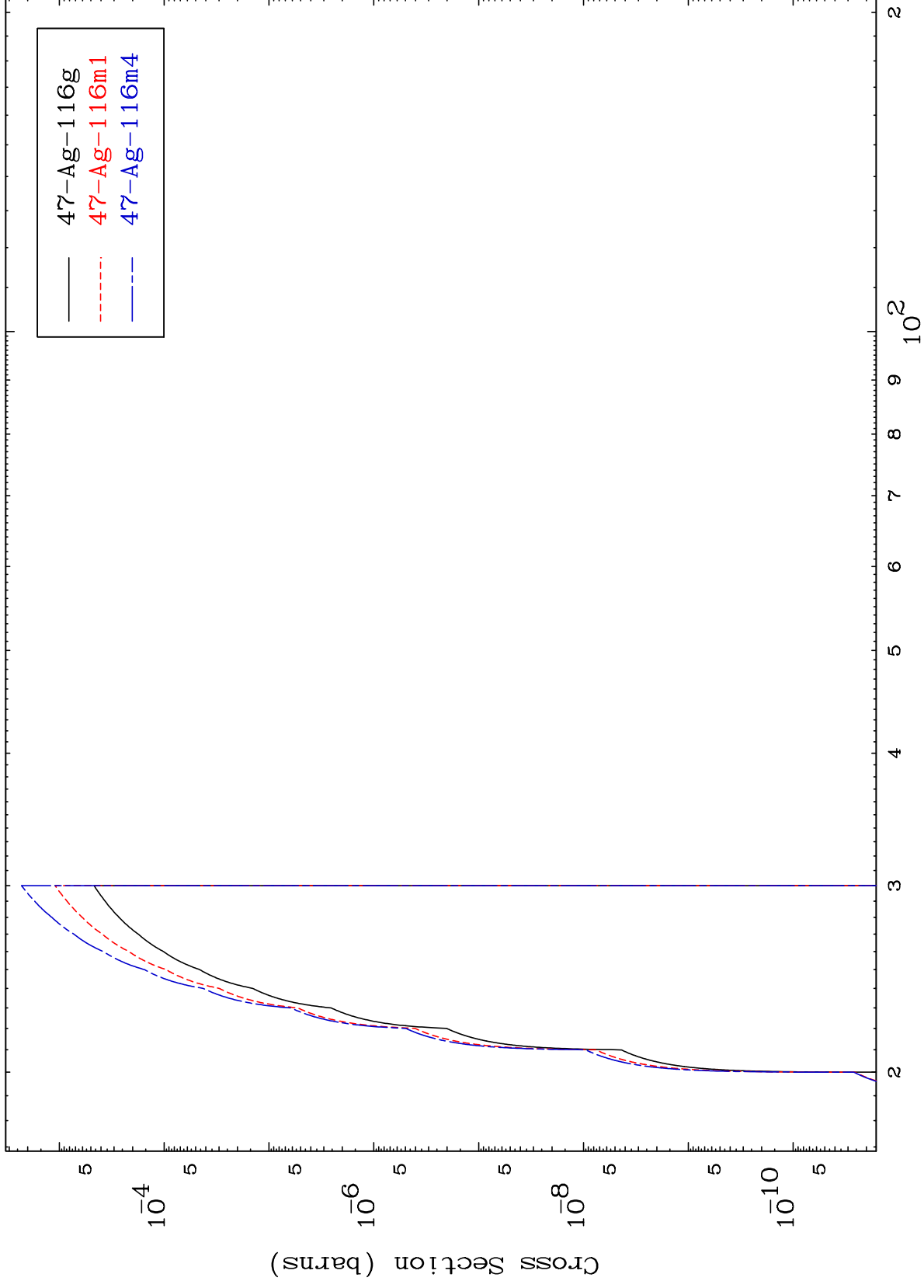


MAT 4861

(n,n') d

48-Cd-118

Radionuclide Production Cross Section



130

Incident Energy (MeV)

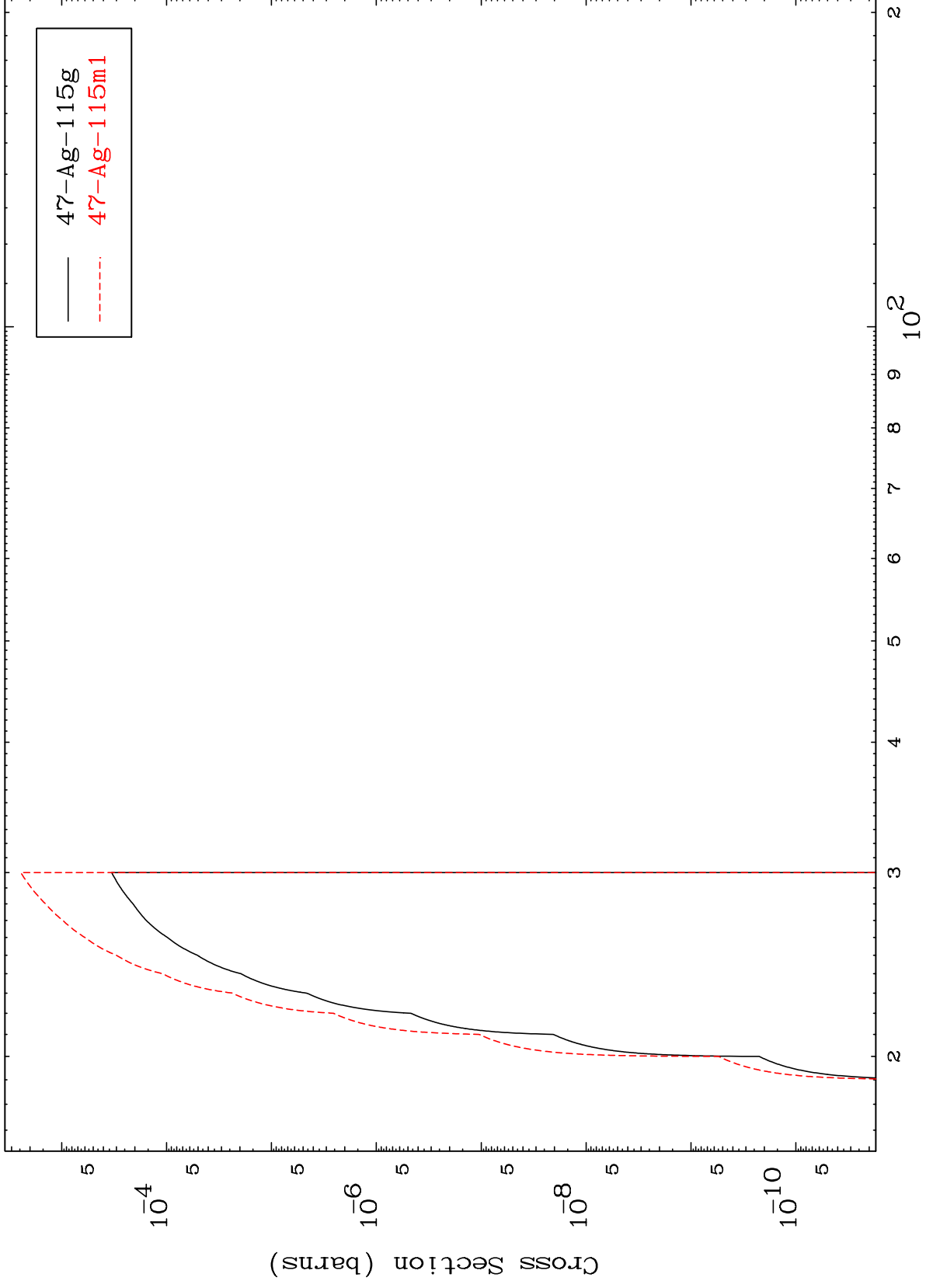
48-Cd-118

MAT 4861

(n,n') t

48-Cd-118

Radionuclide Production Cross Section



131

Incident Energy (MeV)

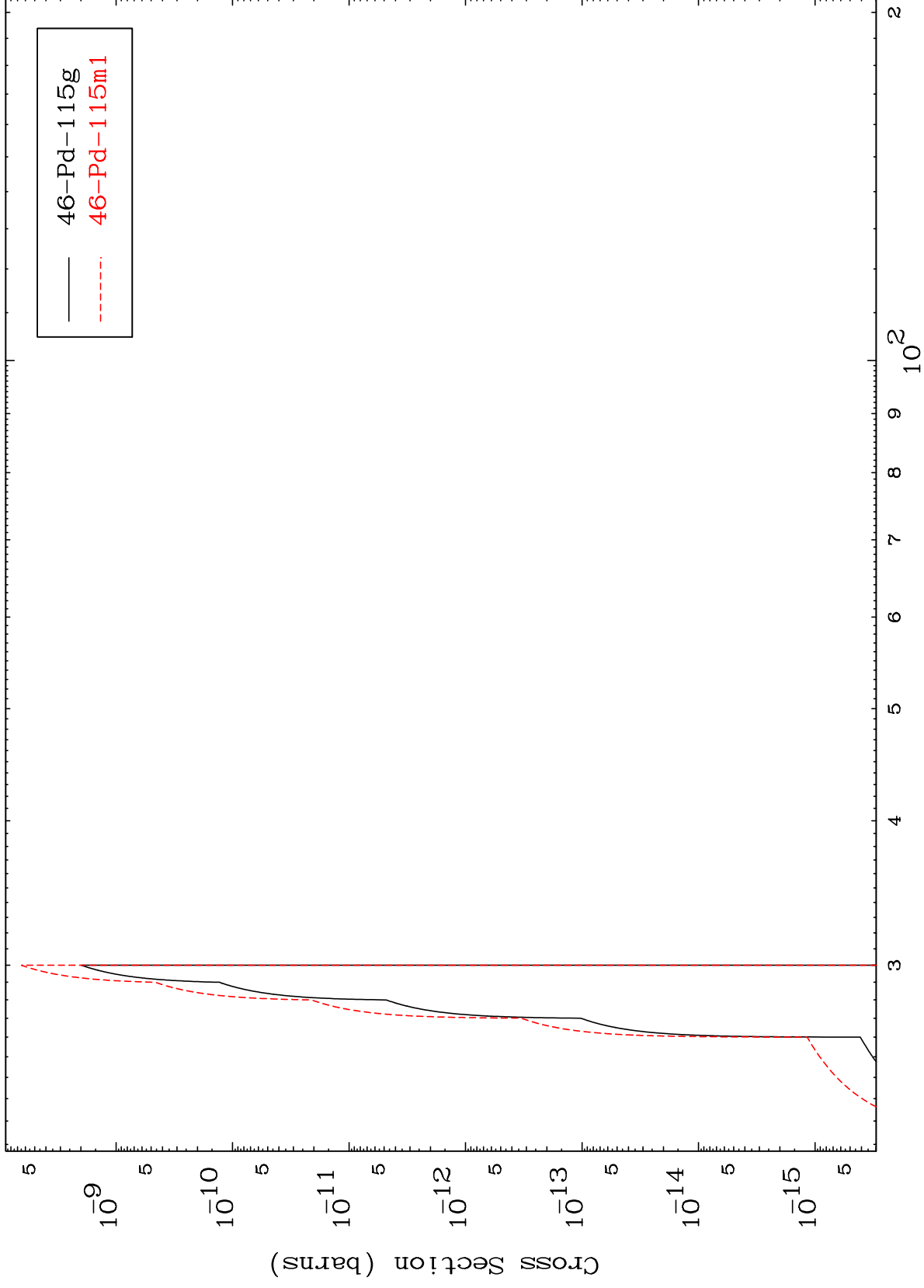
48-Cd-118

MAT 4861

(n,n') He-3

48-Cd-118

Radionuclide Production Cross Section



132

Incident Energy (MeV)

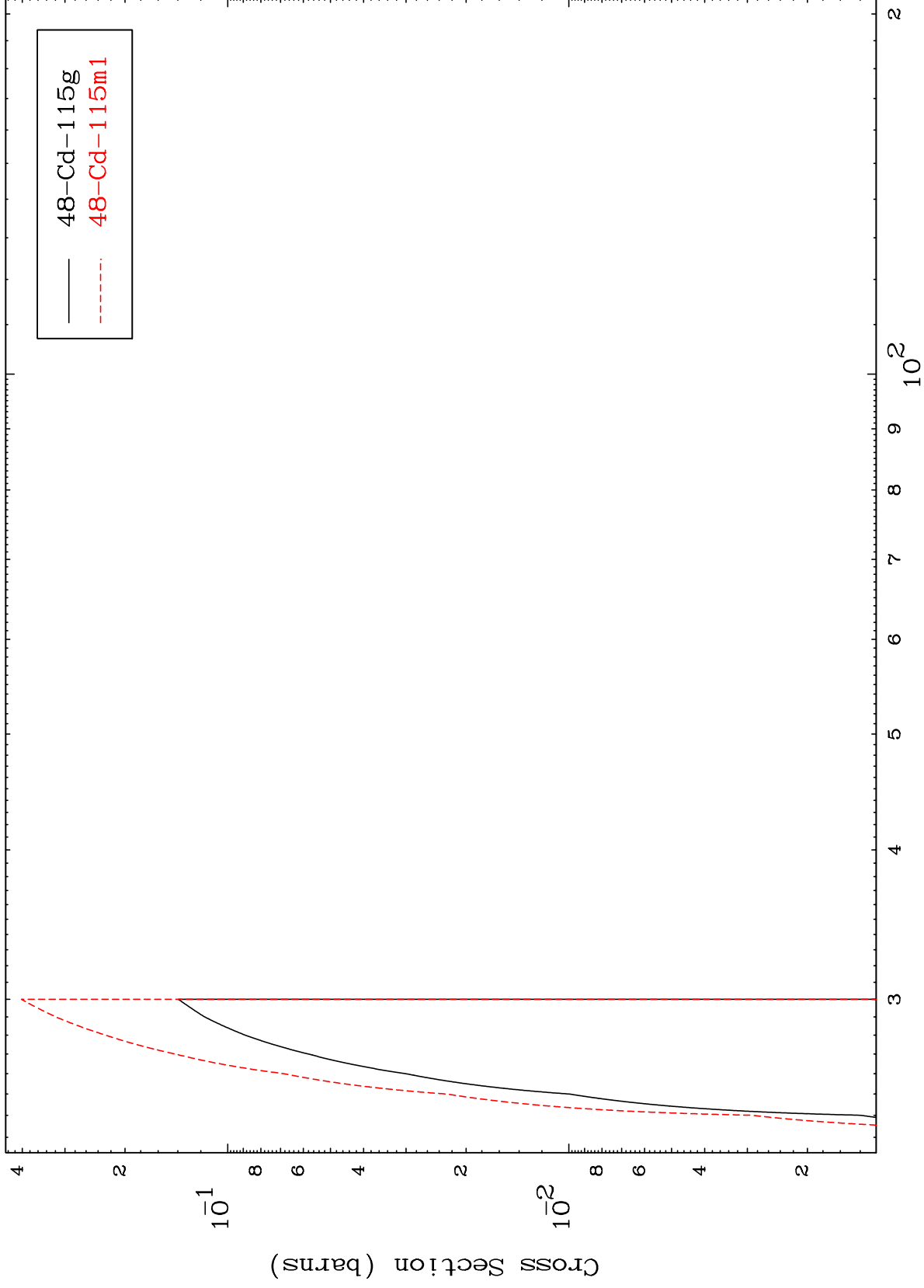
48-Cd-118

MAT 4861

(n,4n)

48-Cd-118

Radionuclide Production Cross Section



133

Incident Energy (MeV)

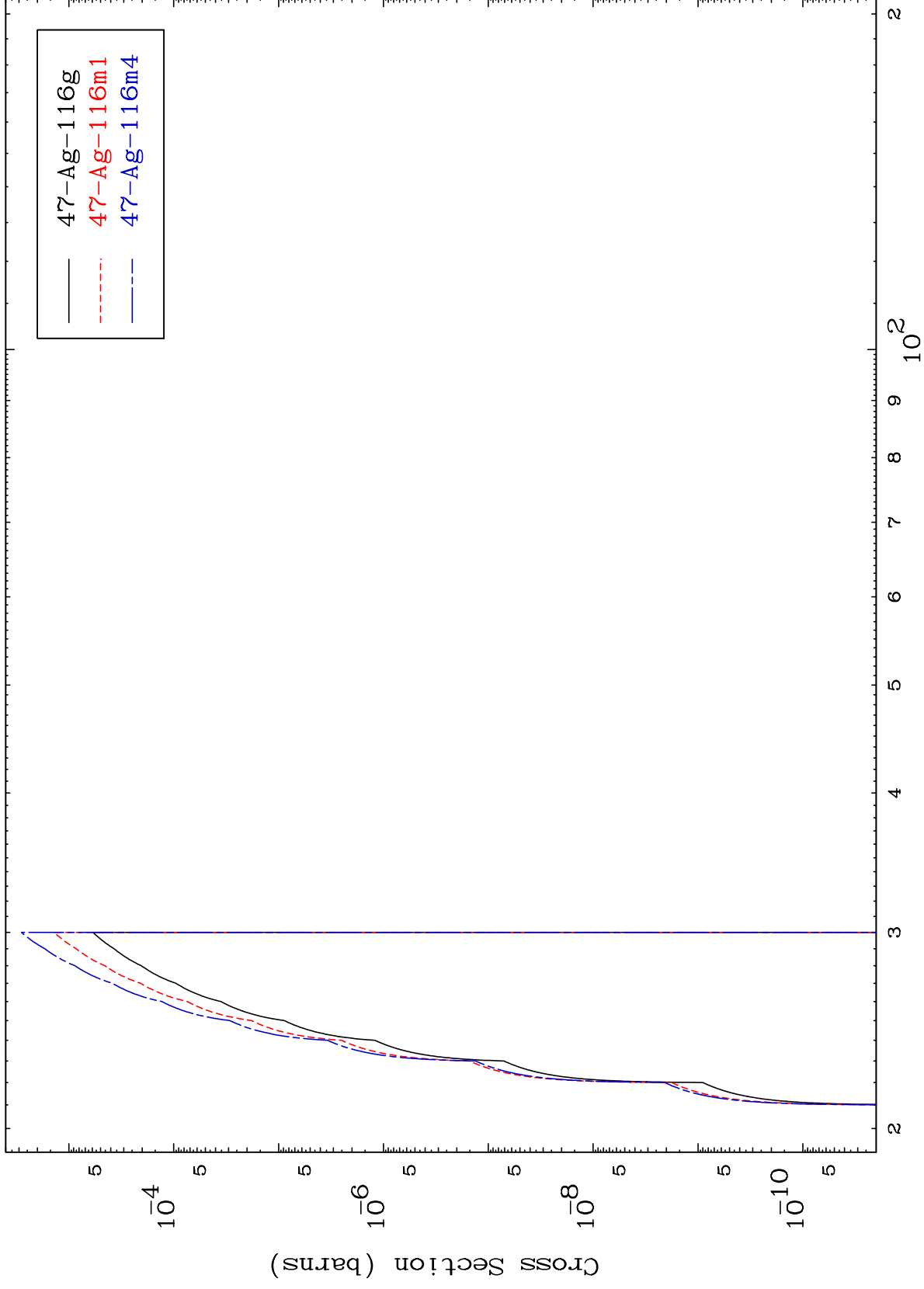
48-Cd-118

MAT 4861

(n,2n) p

48-Cd-118

Radionuclide Production Cross Section



134

Incident Energy (MeV)

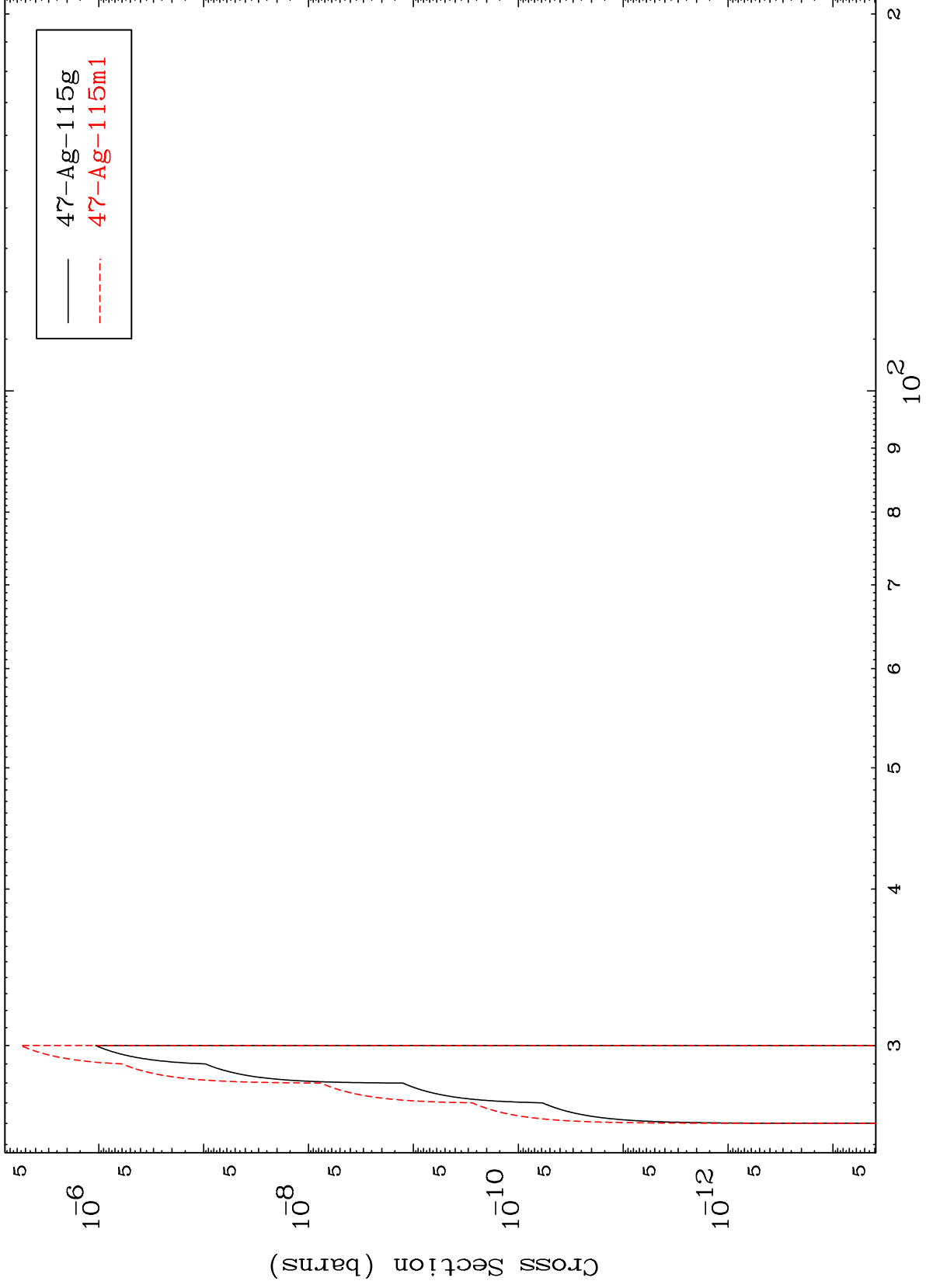
48-Cd-118

MAT 4861

(n,3n) p

48-Cd-118

Radionuclide Production Cross Section



135

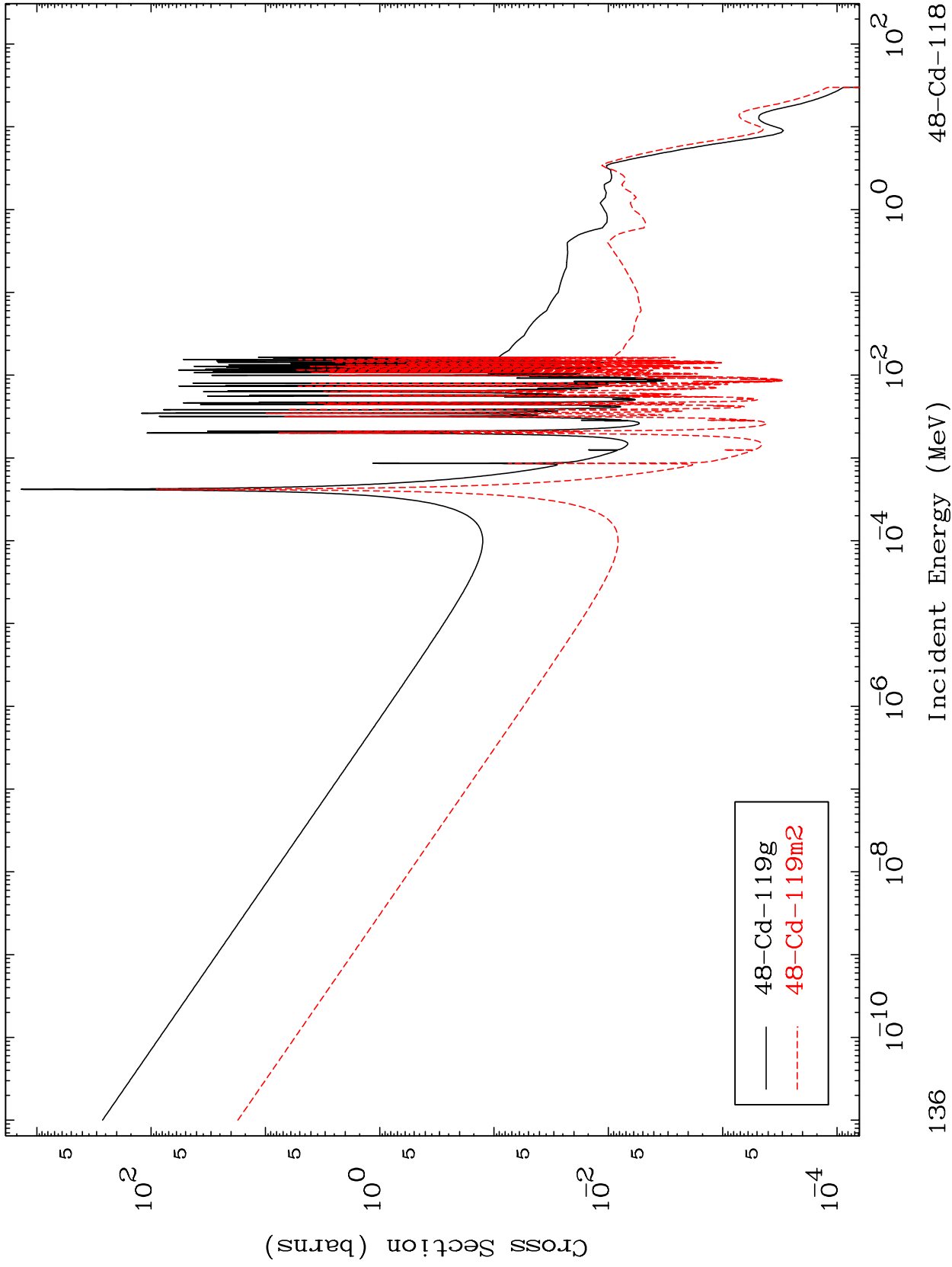
Incident Energy (MeV)

48-Cd-118

MAT 4861

48-Cd-118

(n, γ)
Radionuclide Production Cross Section



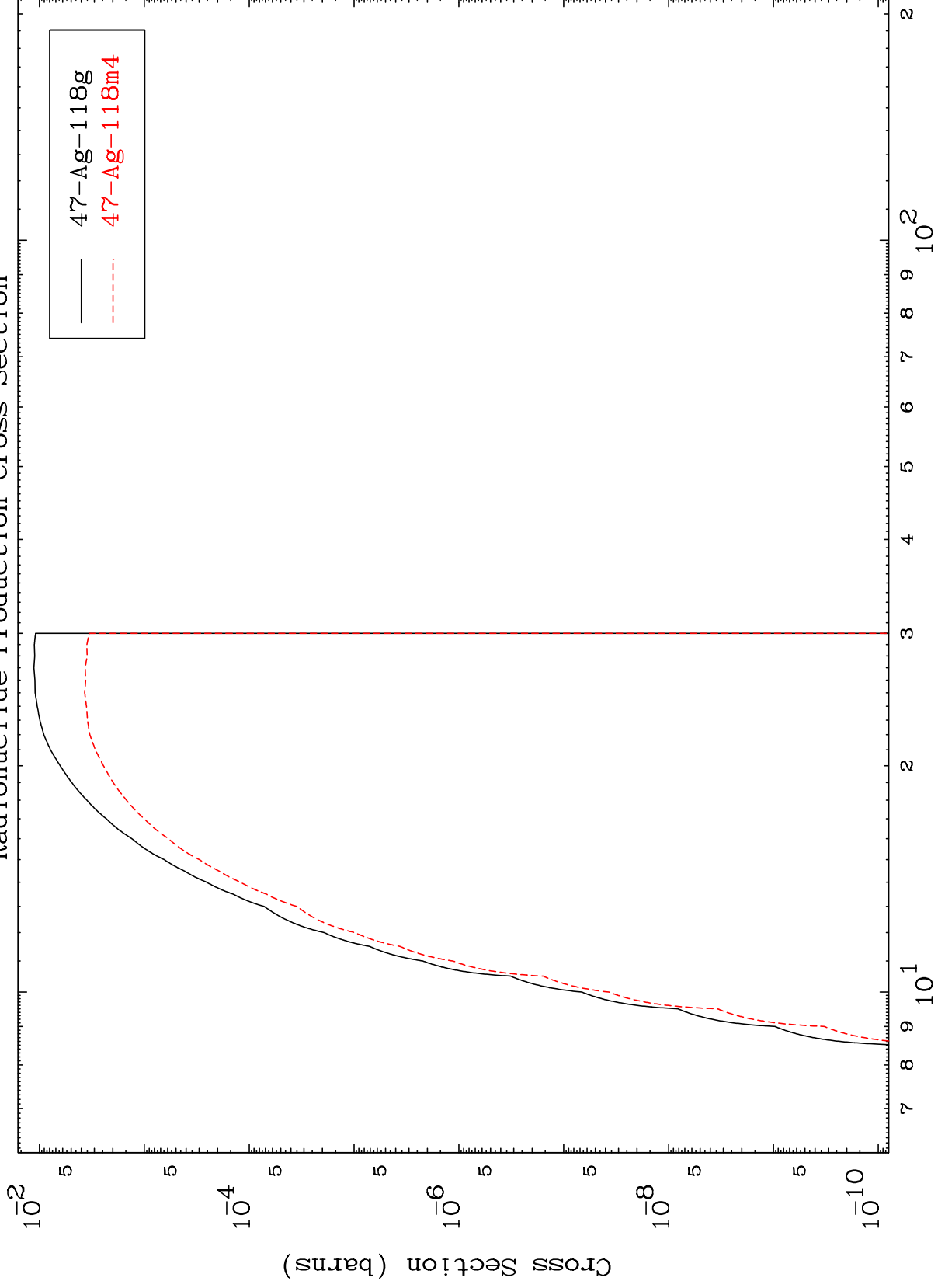
136

48-Cd-118

MAT 4861

48-Cd-118

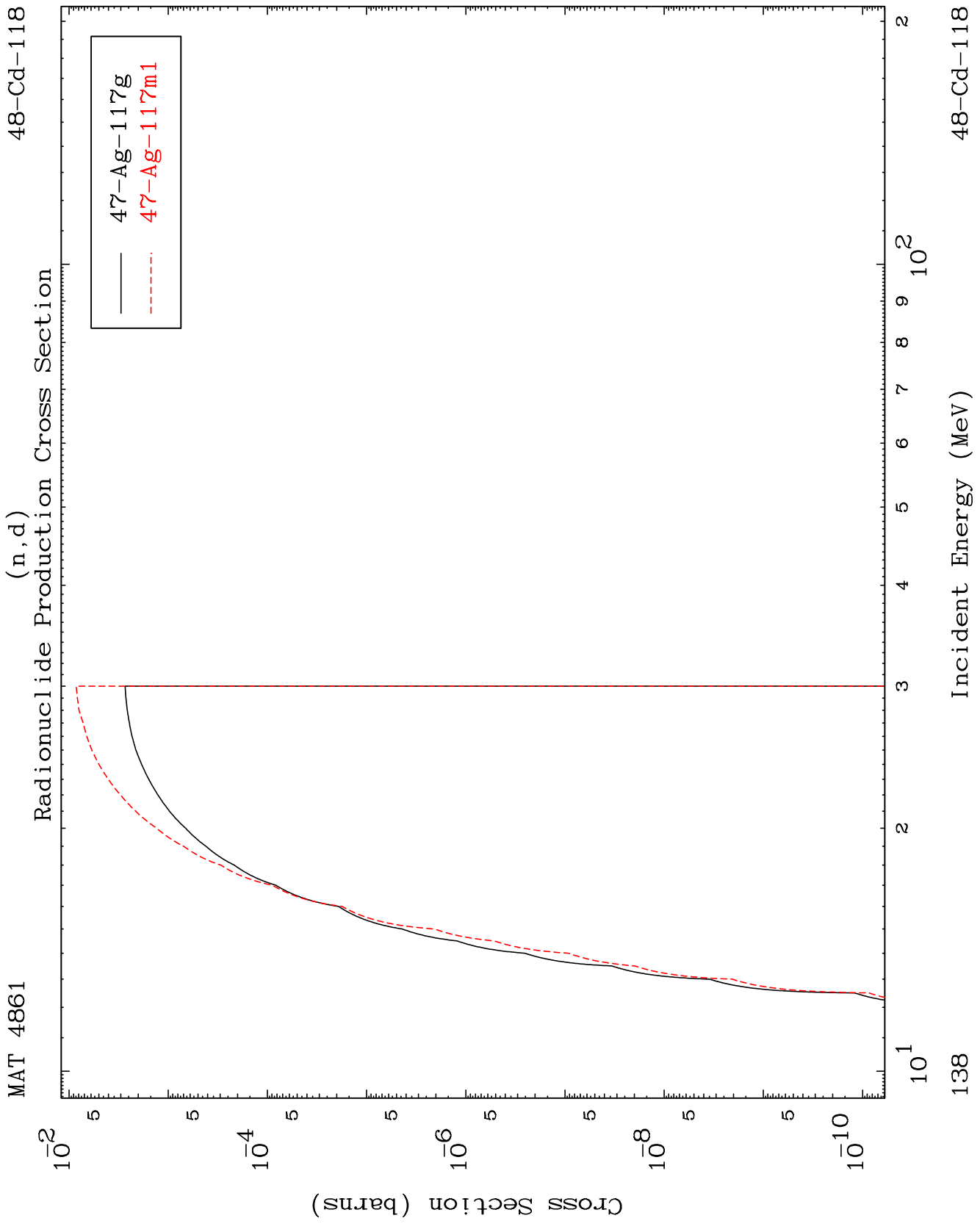
(n,p)
Radionuclide Production Cross Section



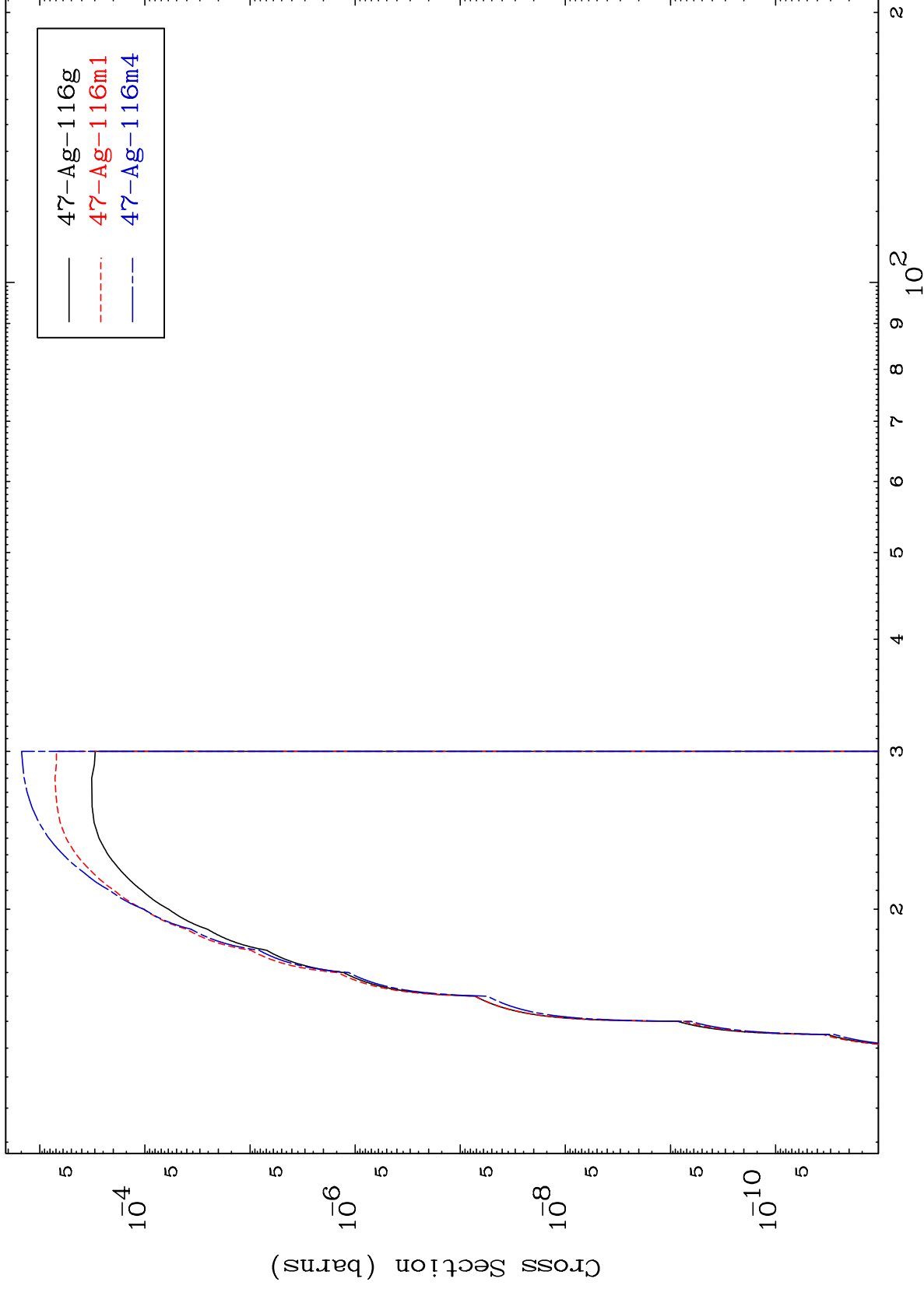
137

Incident Energy (MeV)

48-Cd-118



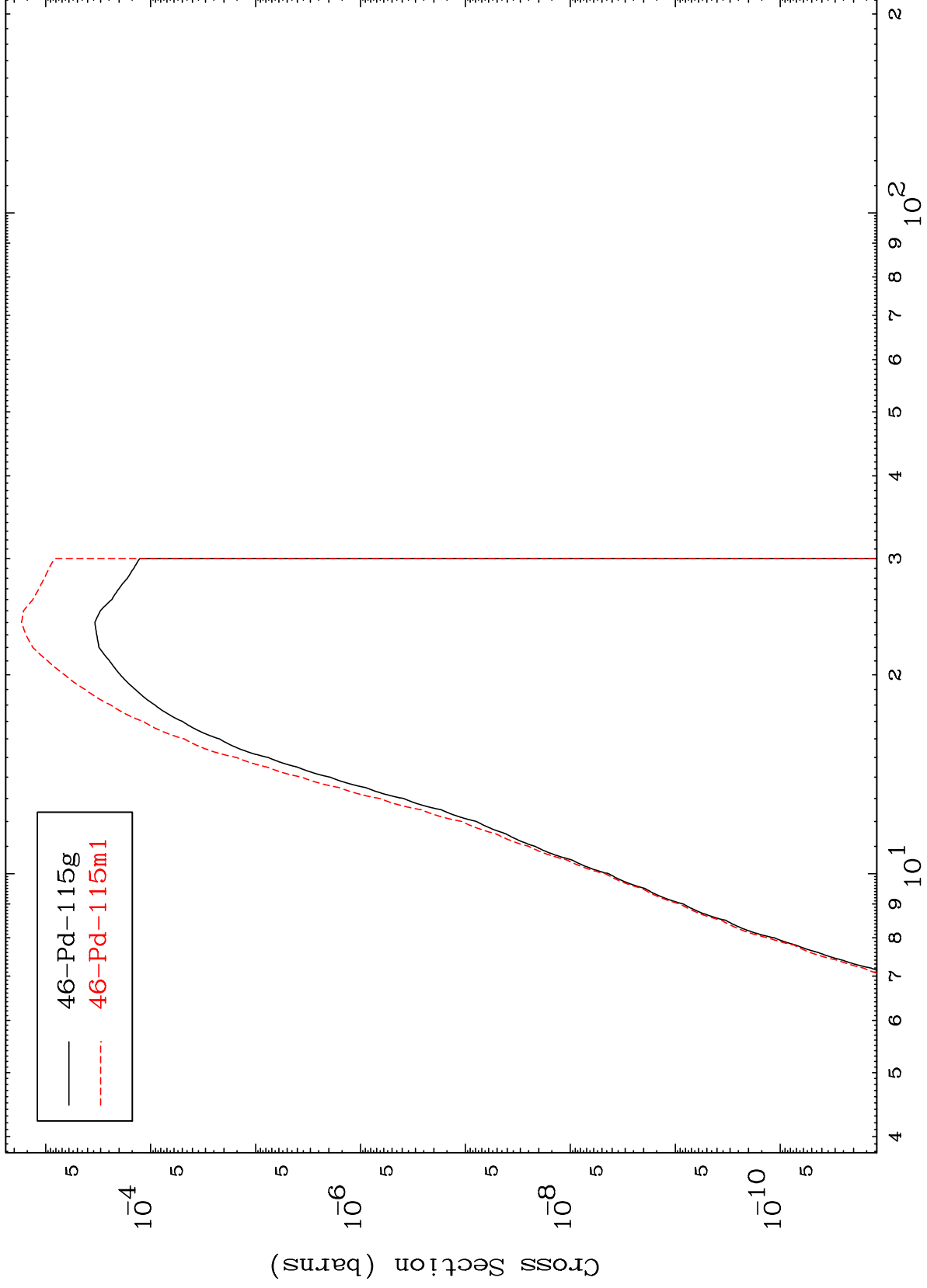
(n,t)
Radionuclide Production Cross Section



MAT 4861

48-Cd-118

Radionuclide Production Cross Section
(n, α)



140

Incident Energy (MeV)

48-Cd-118