

Program EVALPLOT
(Version 2021-1)

by

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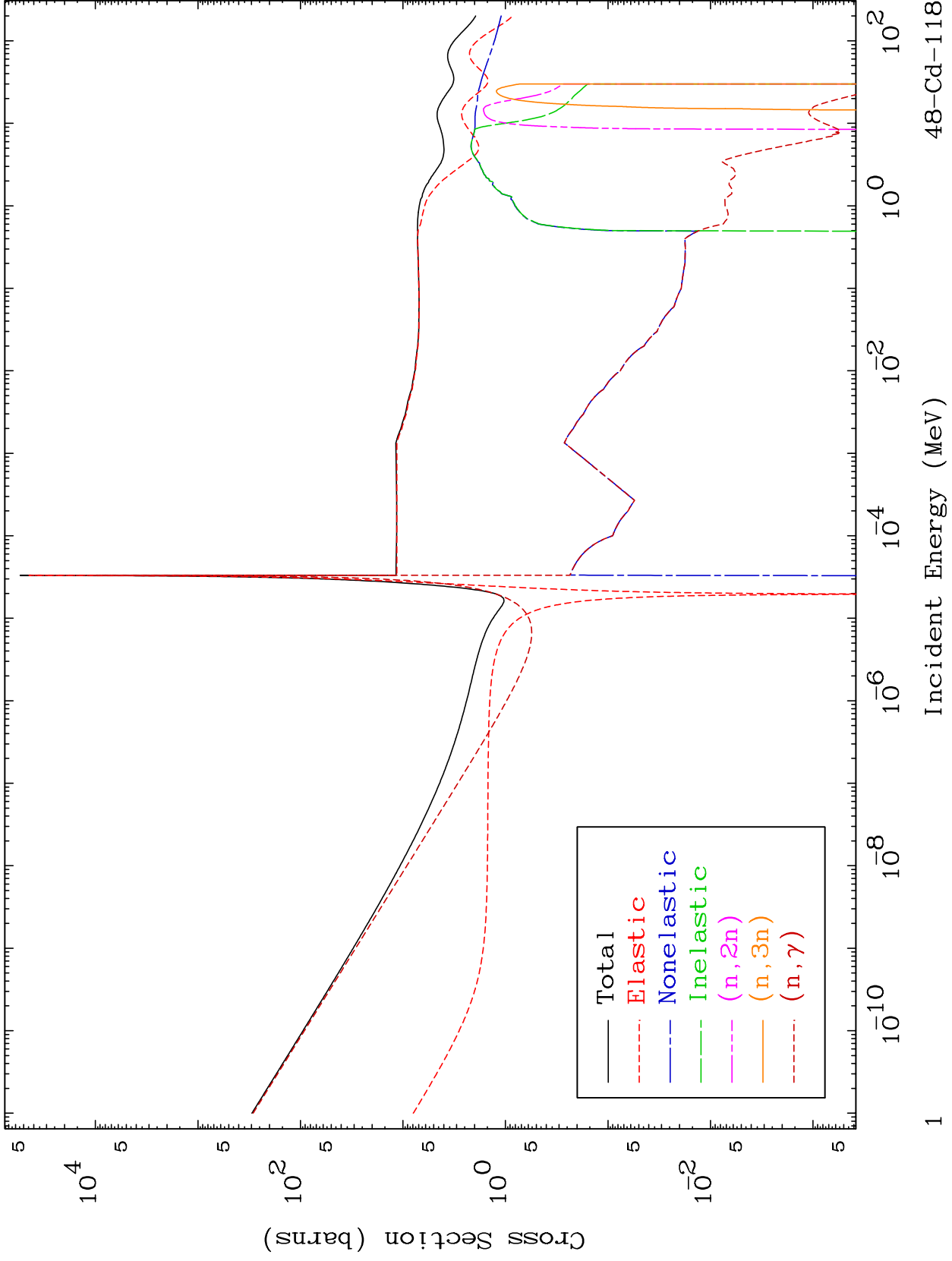
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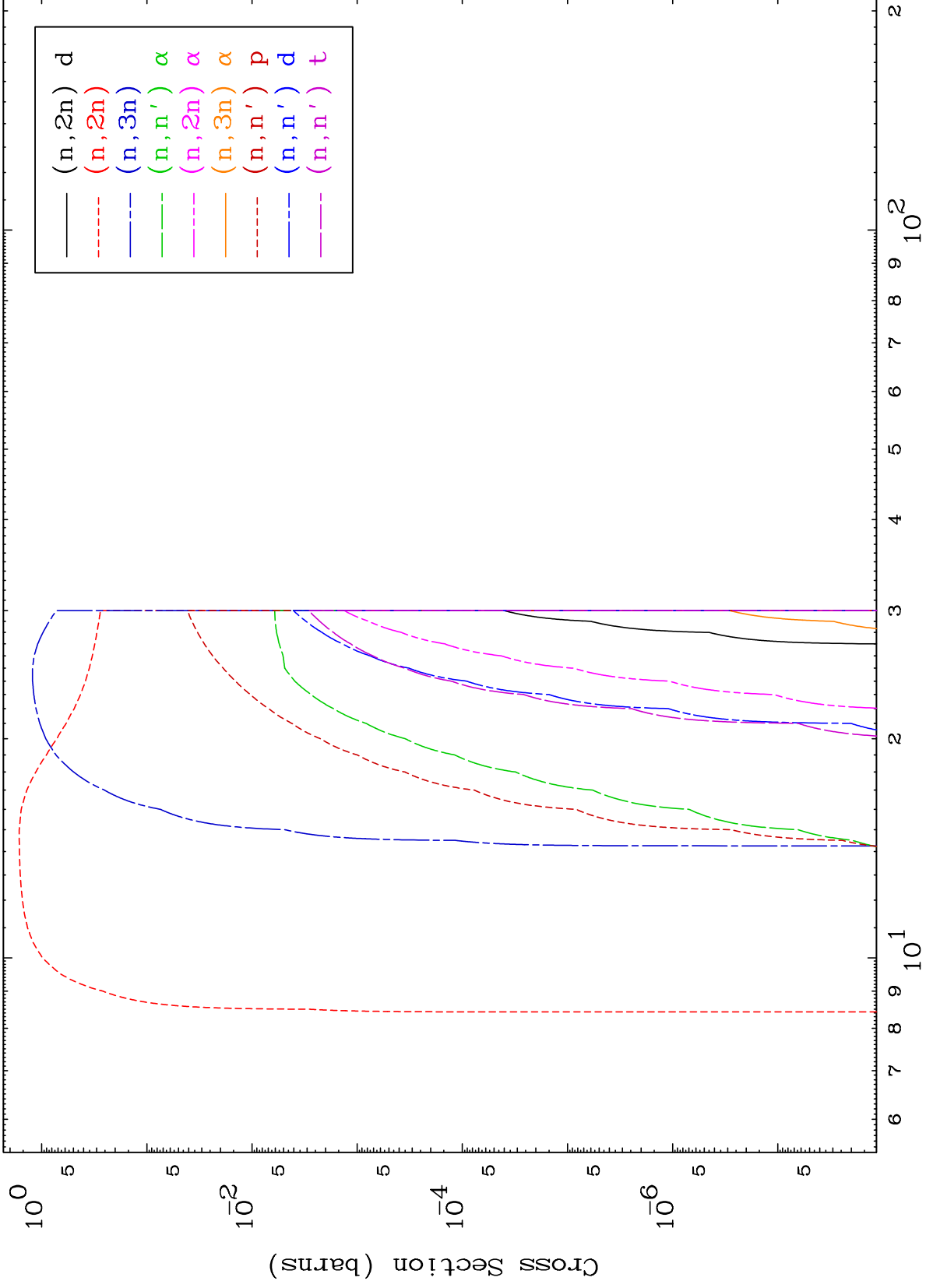
Press Mouse Button to Start

MAT 4861

Neutron Major
293 Kelvin Cross Sections

48-Cd-118

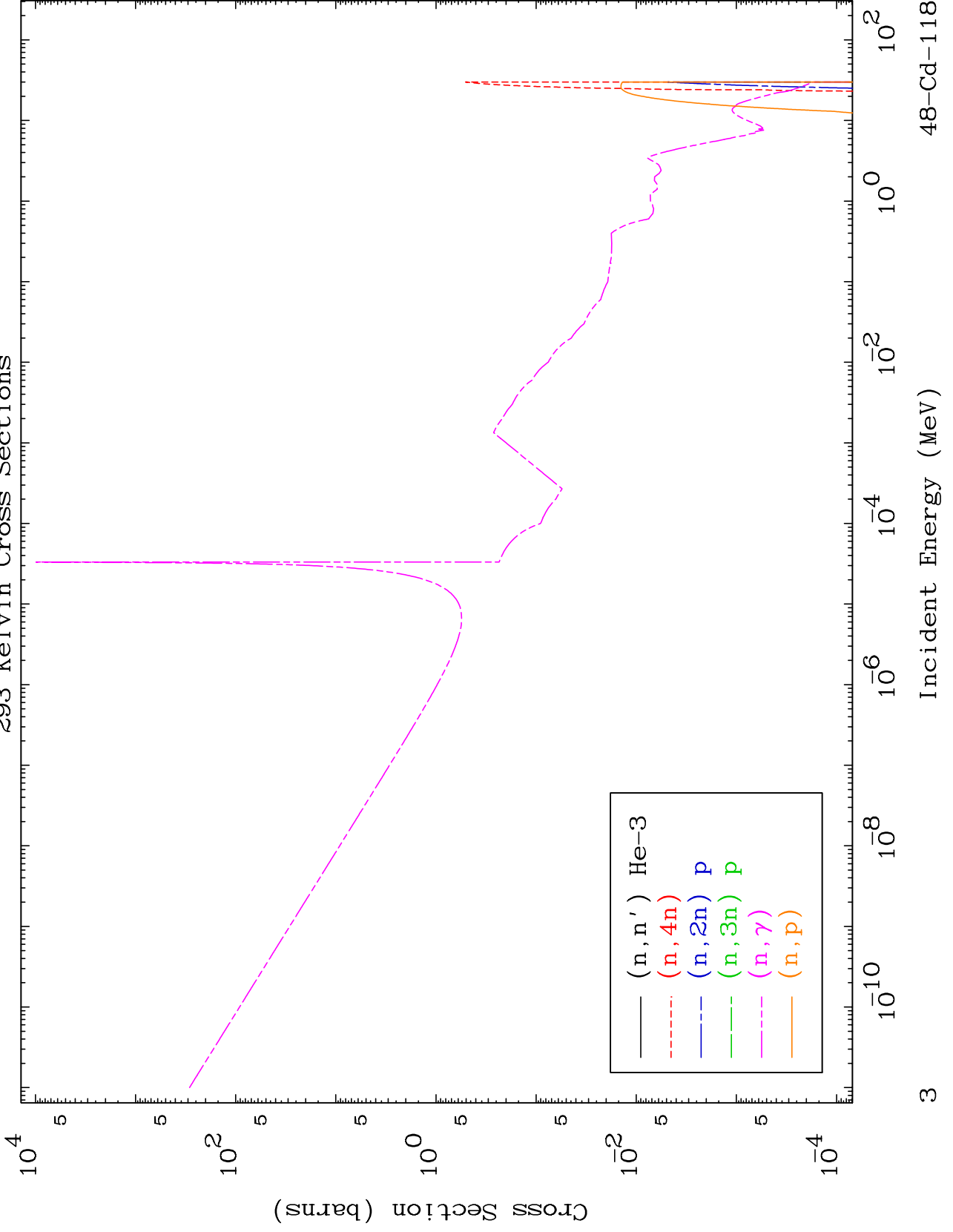




MAT 4861

Neutron Absorption
293 Kelvin Cross Sections

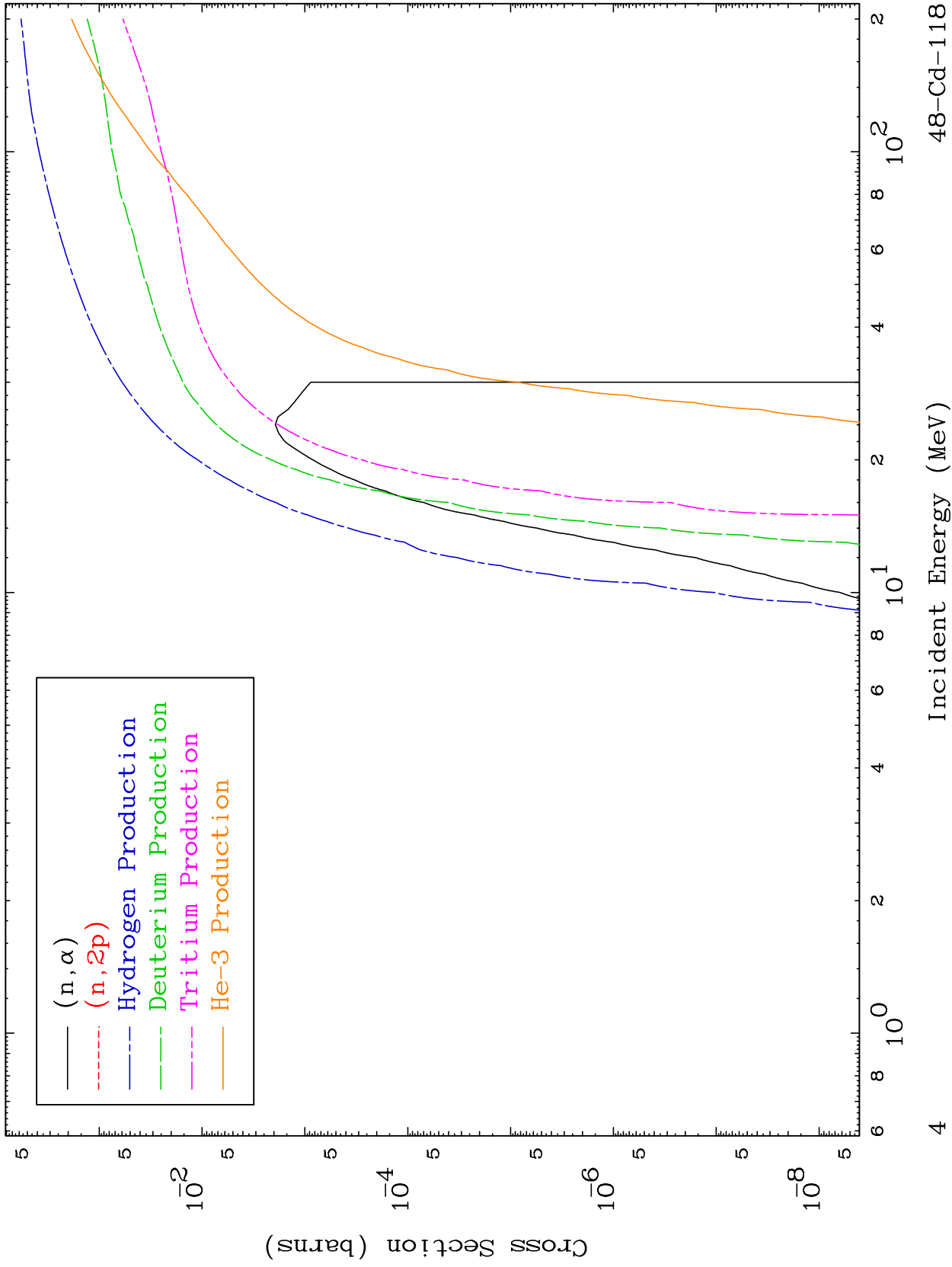
48-Cd-118



MAT 4861

Neutron Absorption
293 Kelvin Cross Sections

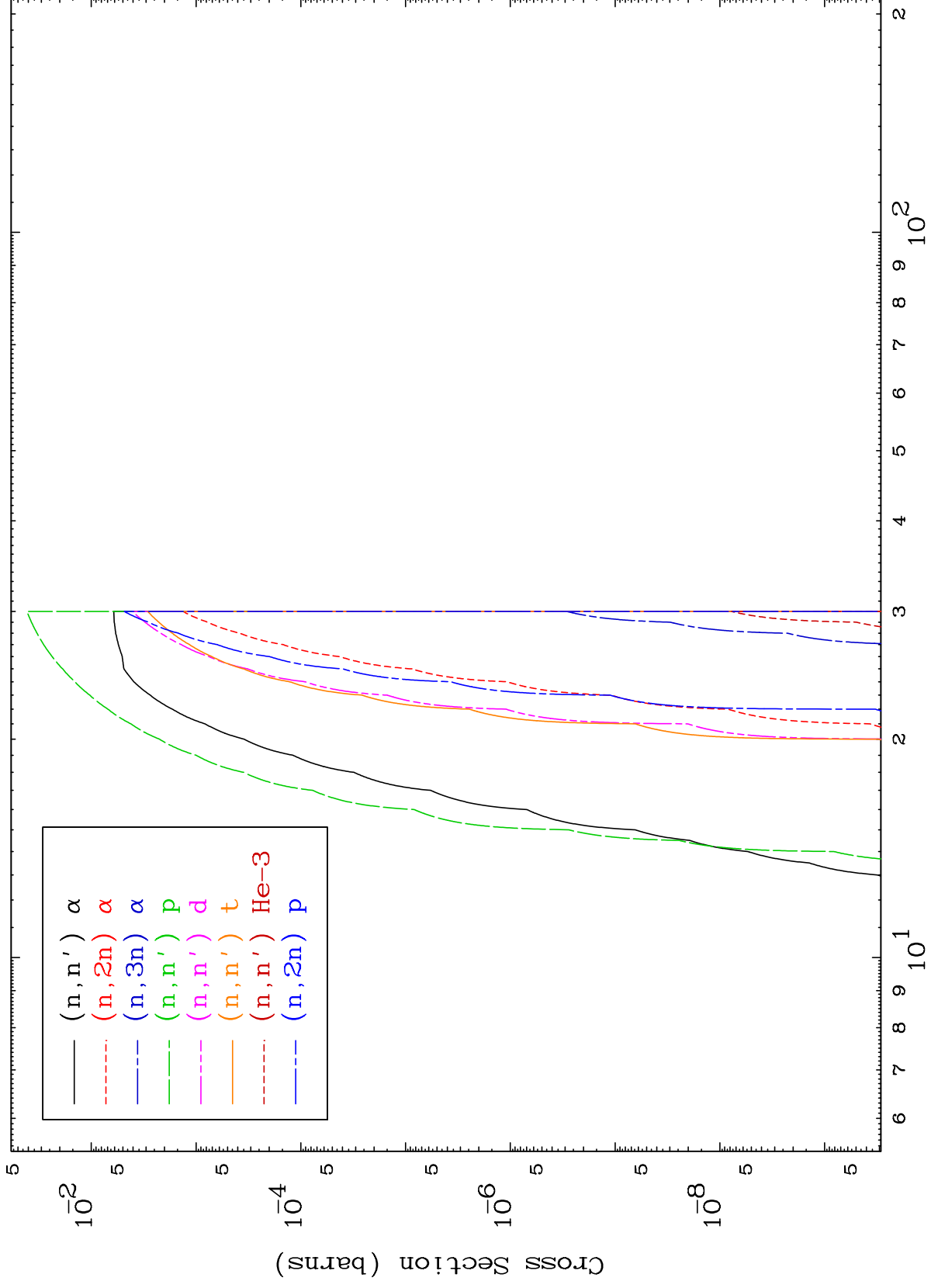
48-Cd-118



MAT 4861

Charged Particle
293 Kelvin Cross Sections

48-Cd-118



5

Incident Energy (MeV)

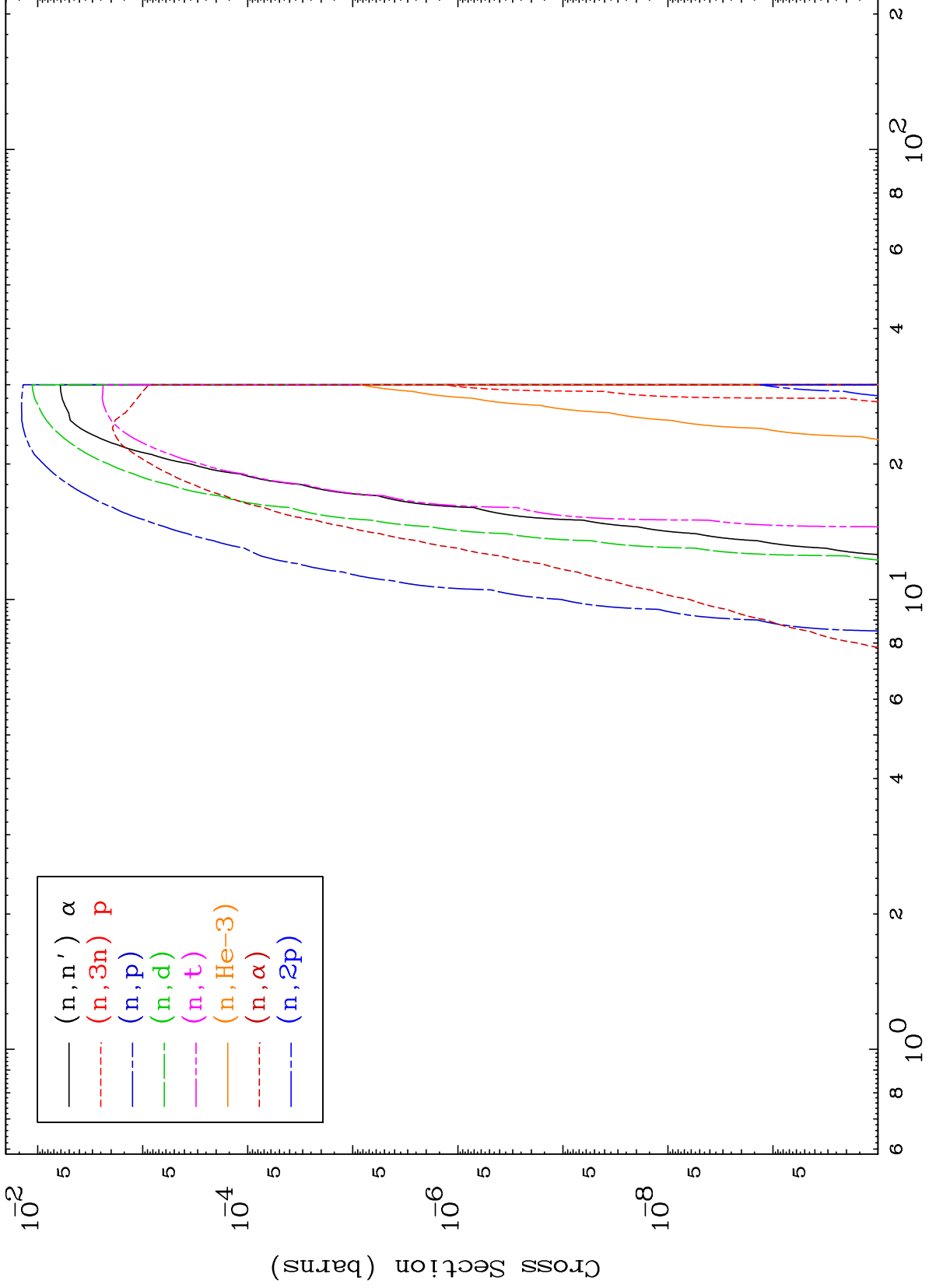
48-Cd-118

MAT 4861

Charged Particle

48-Cd-118

293 Kelvin Cross Sections



6

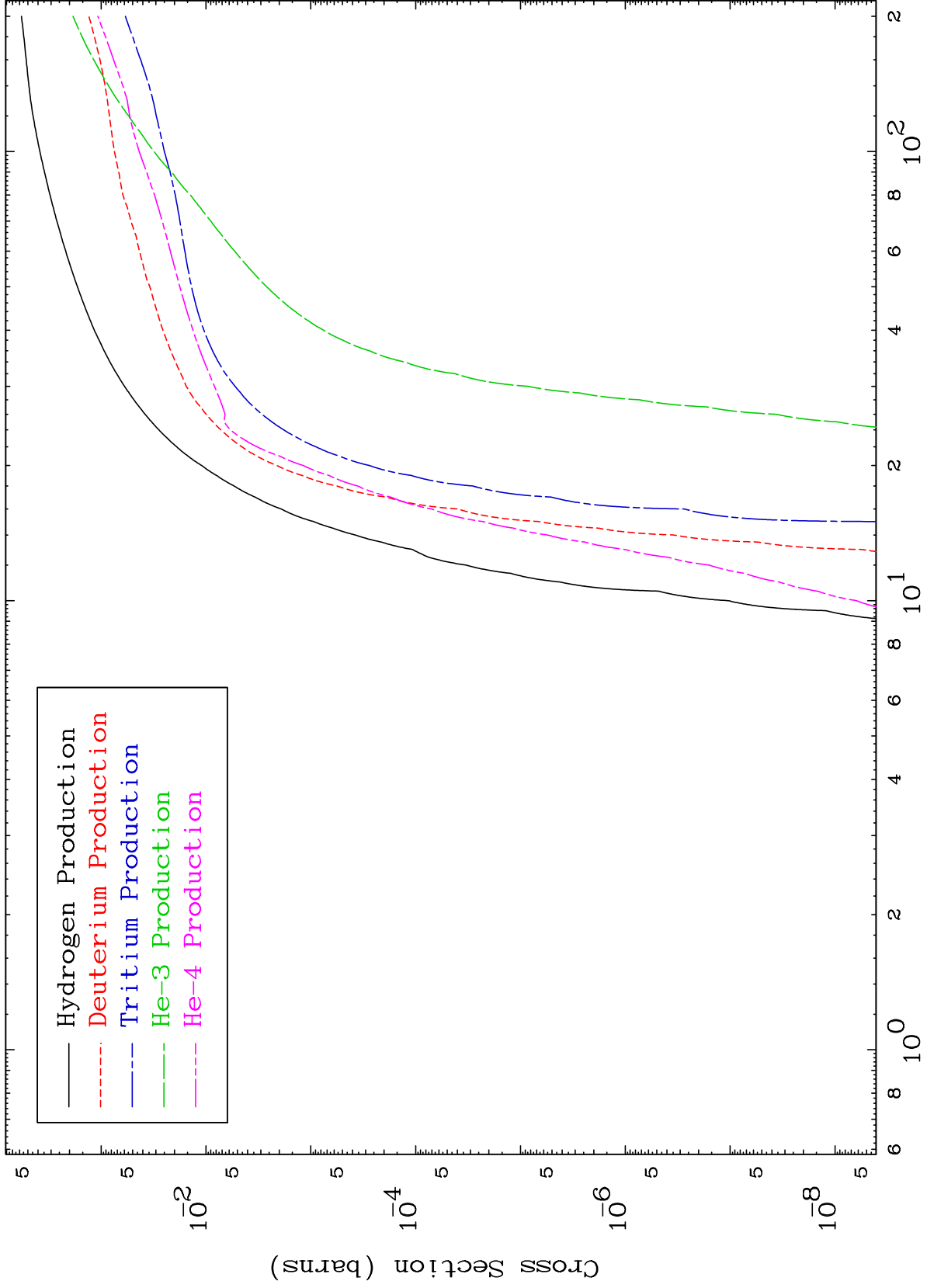
Incident Energy (MeV)

48-Cd-118

MAT 4861

Particle Production
293 Kelvin Cross Sections

48-Cd-118



7

Incident Energy (MeV)

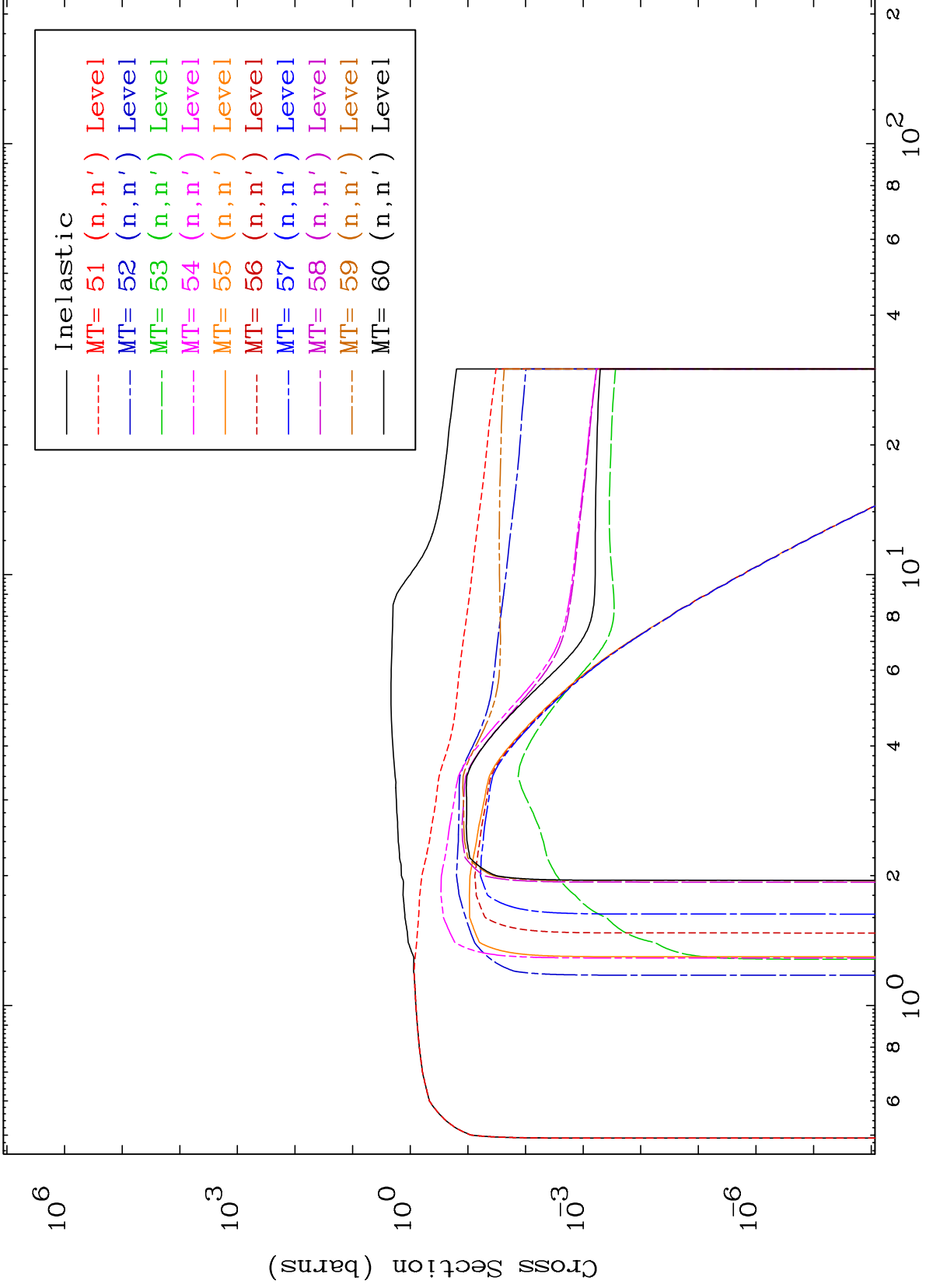
48-Cd-118

MAT 4861

(n,n') Levels

48-Cd-118

293 Kelvin Cross Sections



8

Incident Energy (MeV)

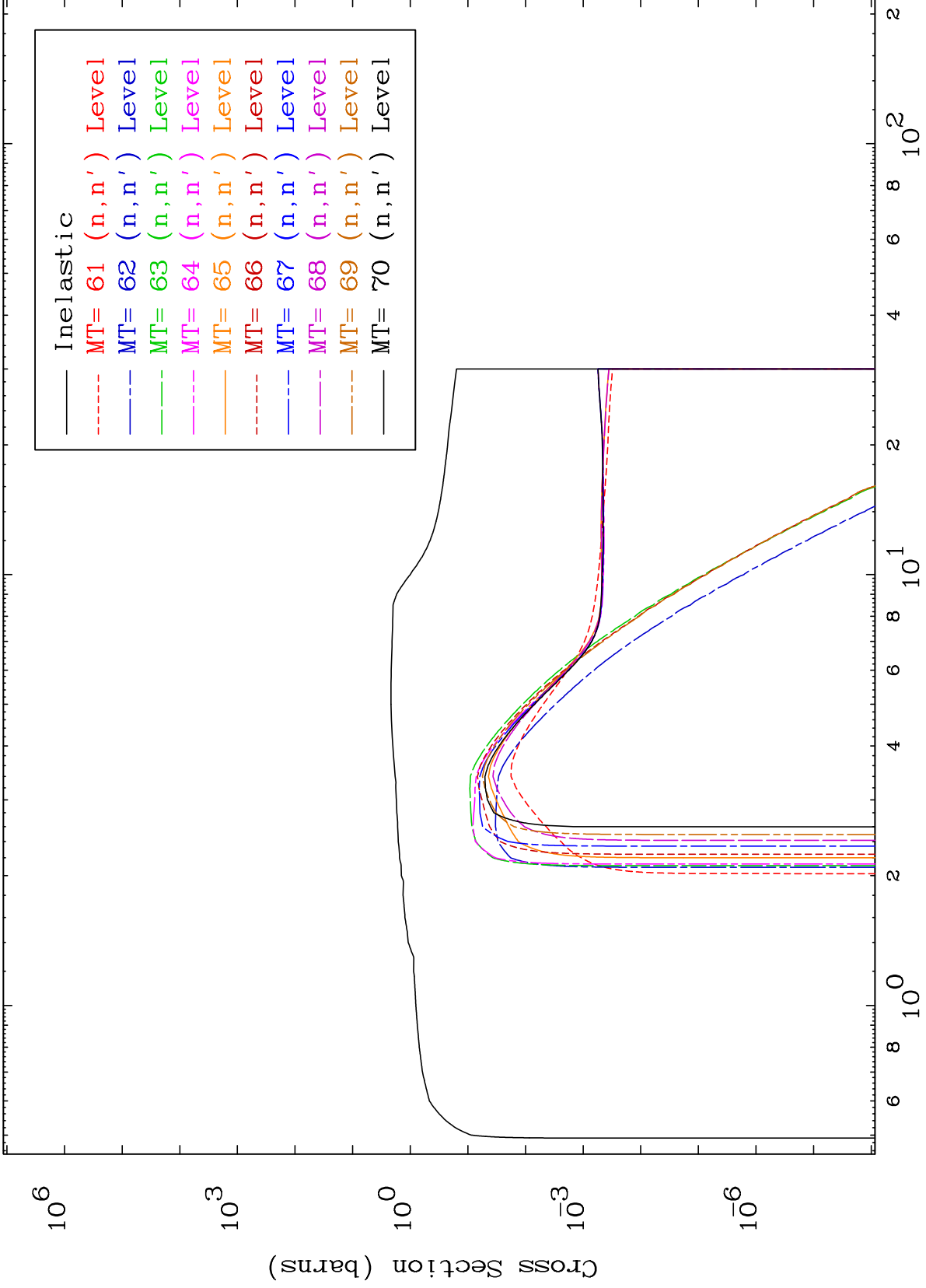
48-Cd-118

MAT 4861

(n,n') Levels

48-Cd-118

293 Kelvin Cross Sections

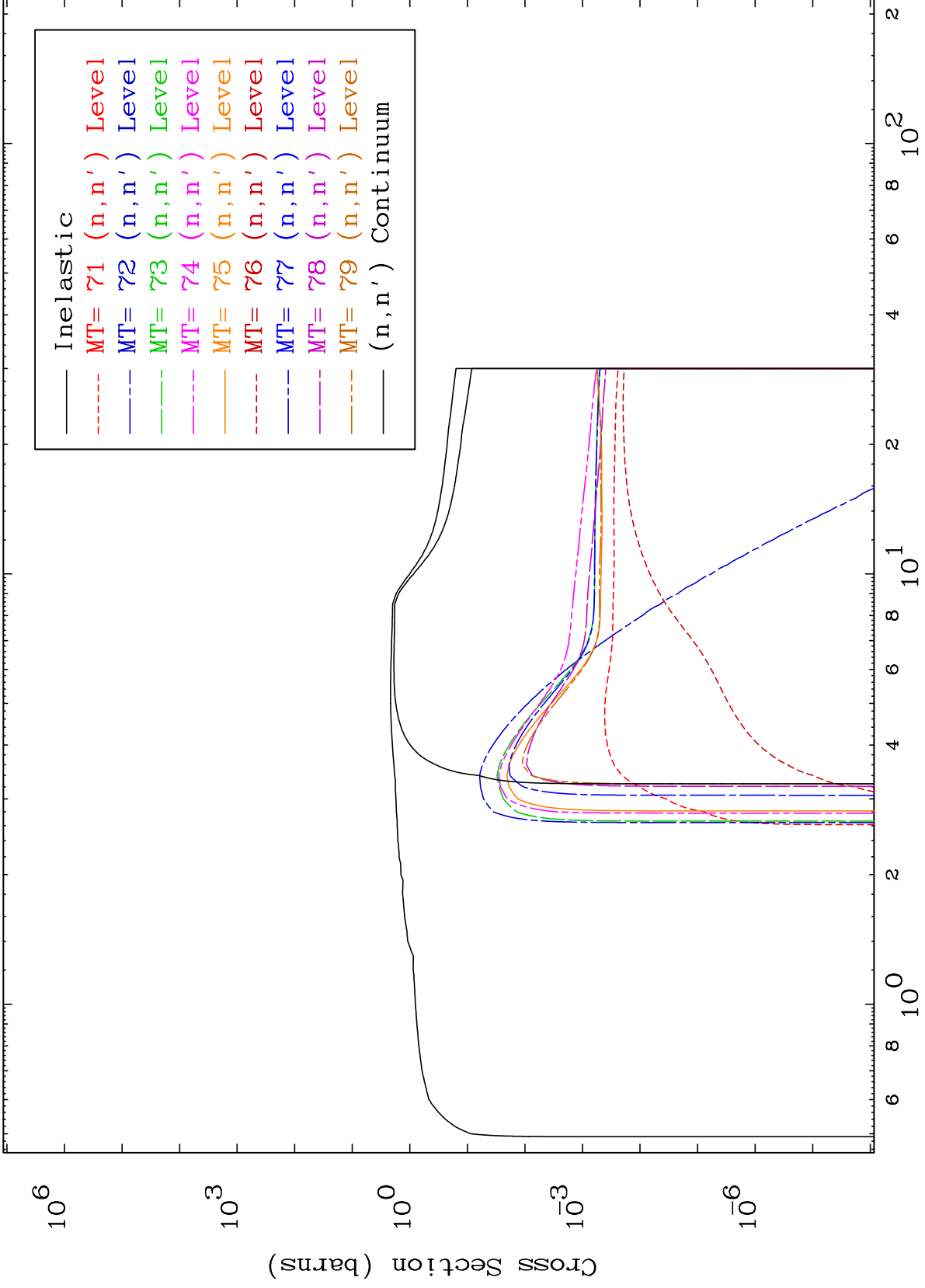


MAT 4861

(n,n') Levels

48-Cd-118

293 Kelvin Cross Sections



10

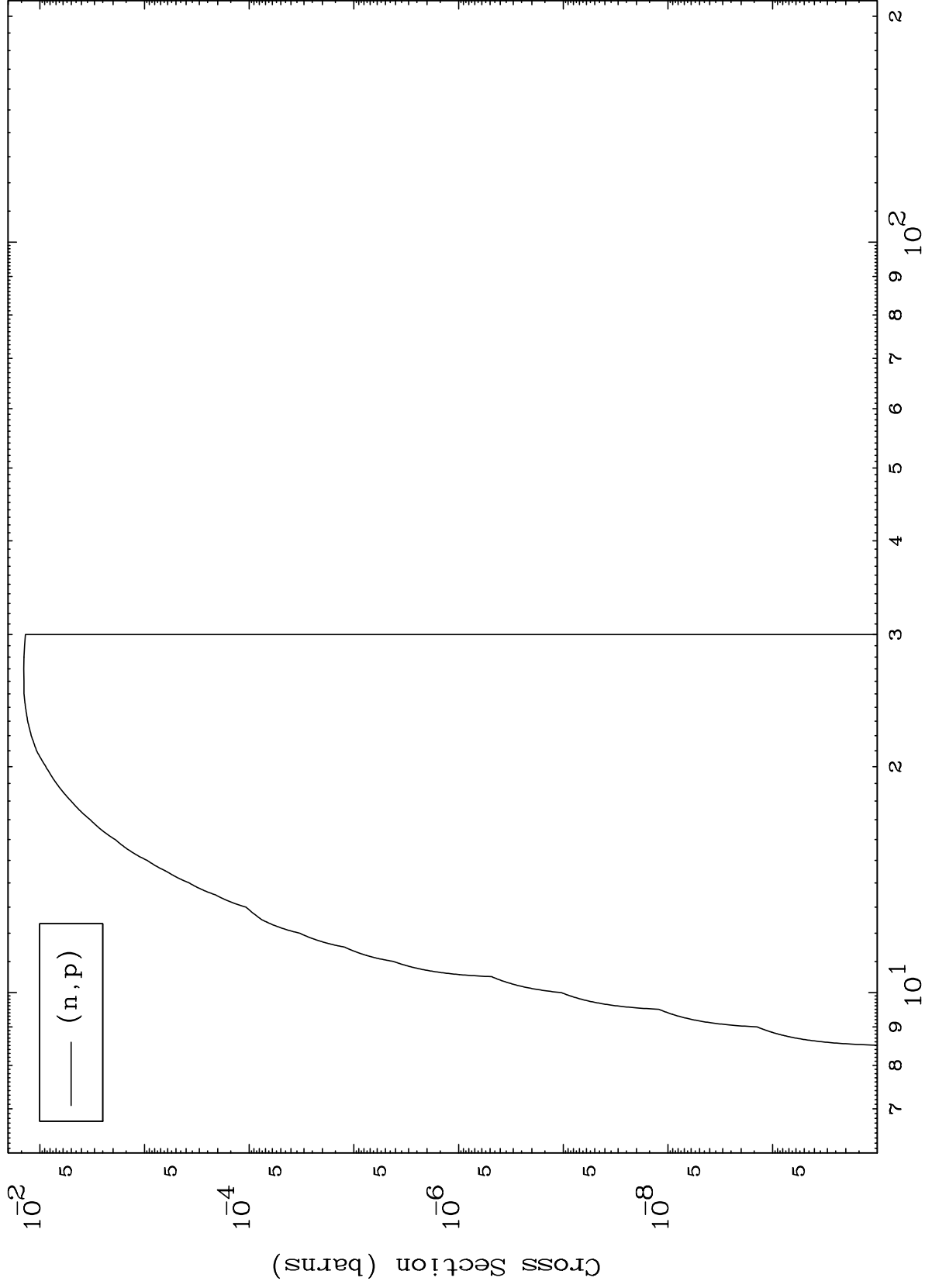
Incident Energy (MeV)

48-Cd-118

MAT 4861

(n,p) Levels
293 Kelvin Cross Sections

48-Cd-118



11

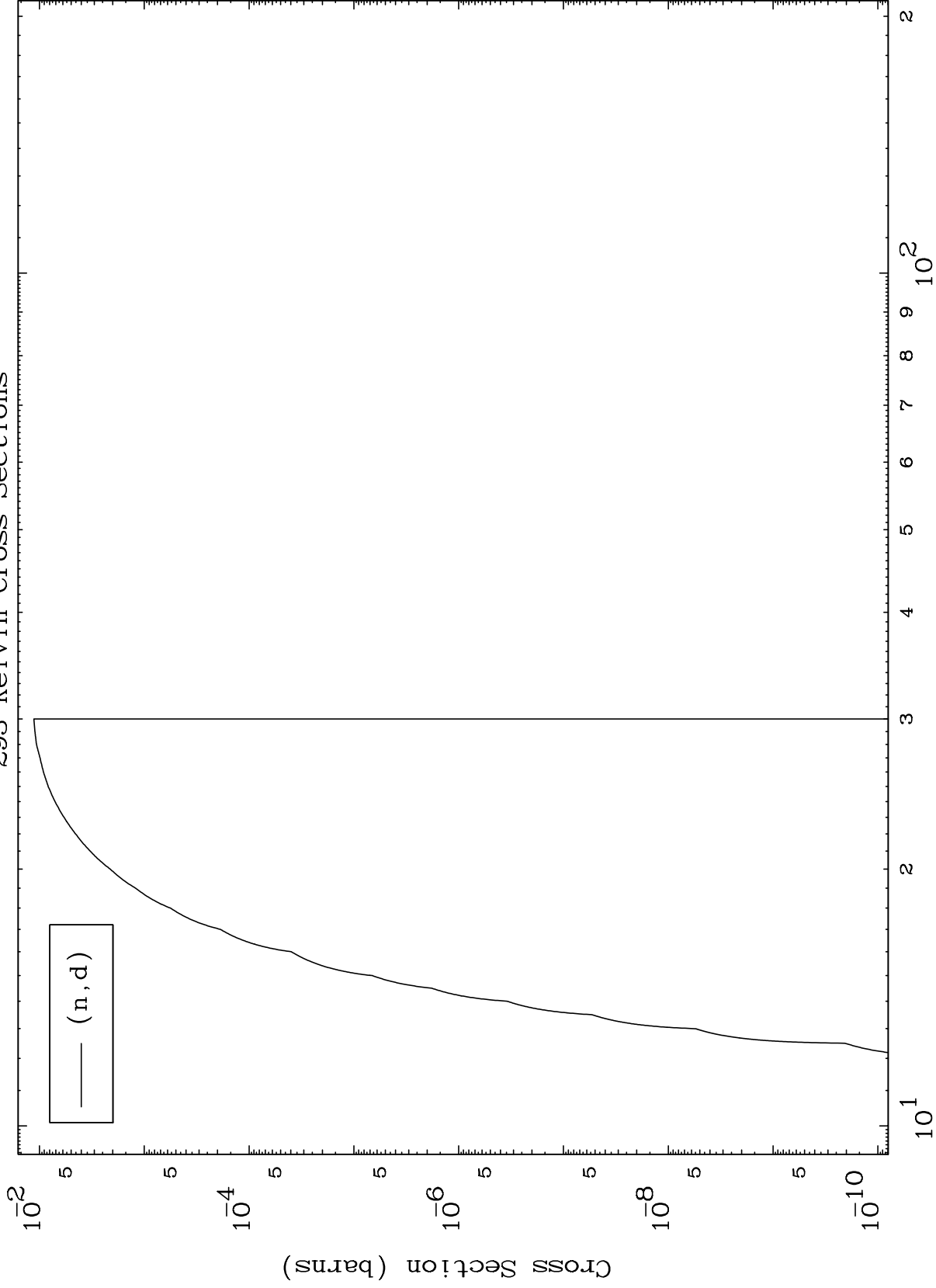
Incident Energy (MeV)

48-Cd-118

MAT 4861

(n,d) Levels
293 Kelvin Cross Sections

48-Cd-118



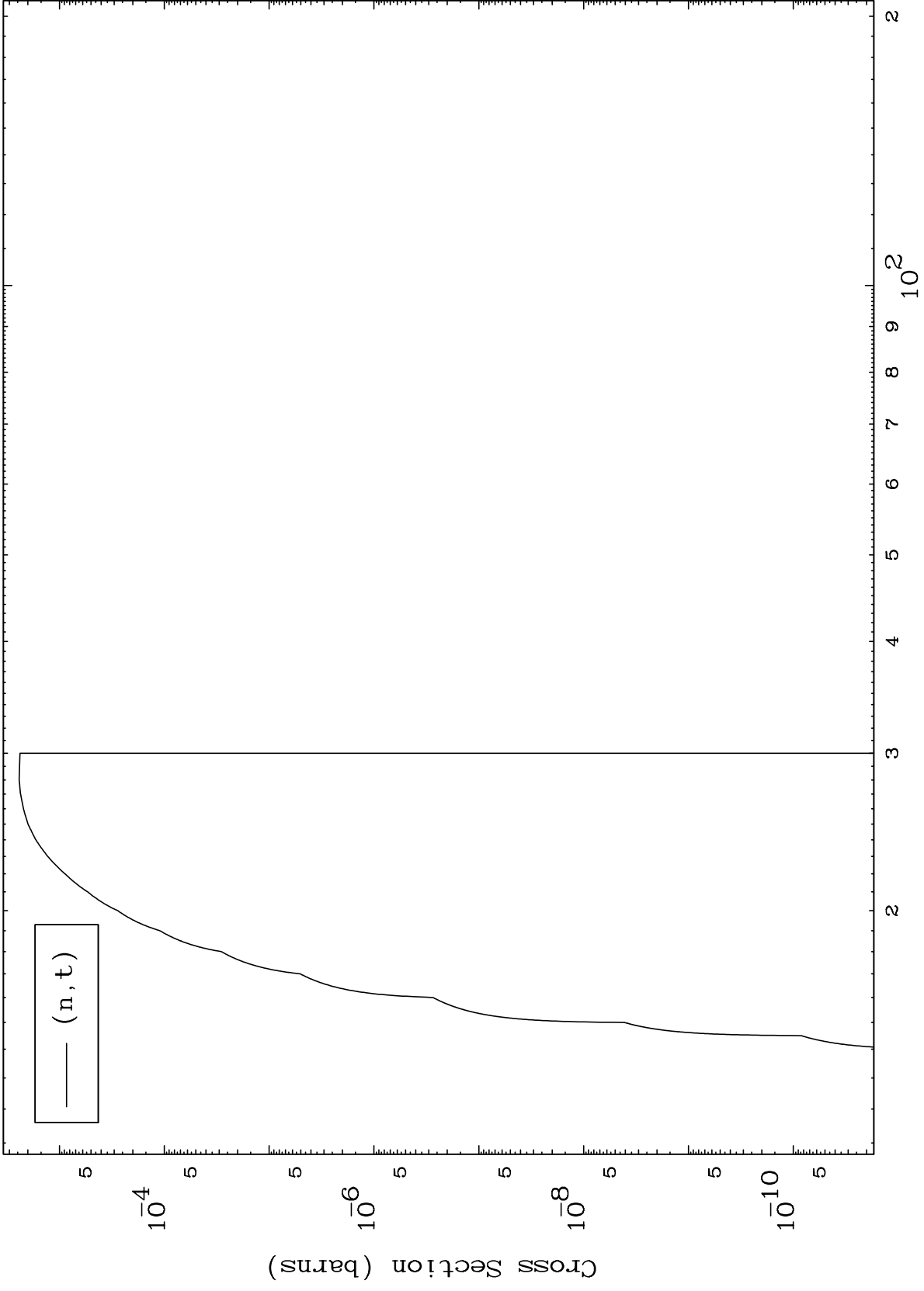
48-Cd-118

48-Cd-118

MAT 4861

(n,t) Levels
293 Kelvin Cross Sections

48-Cd-118



13

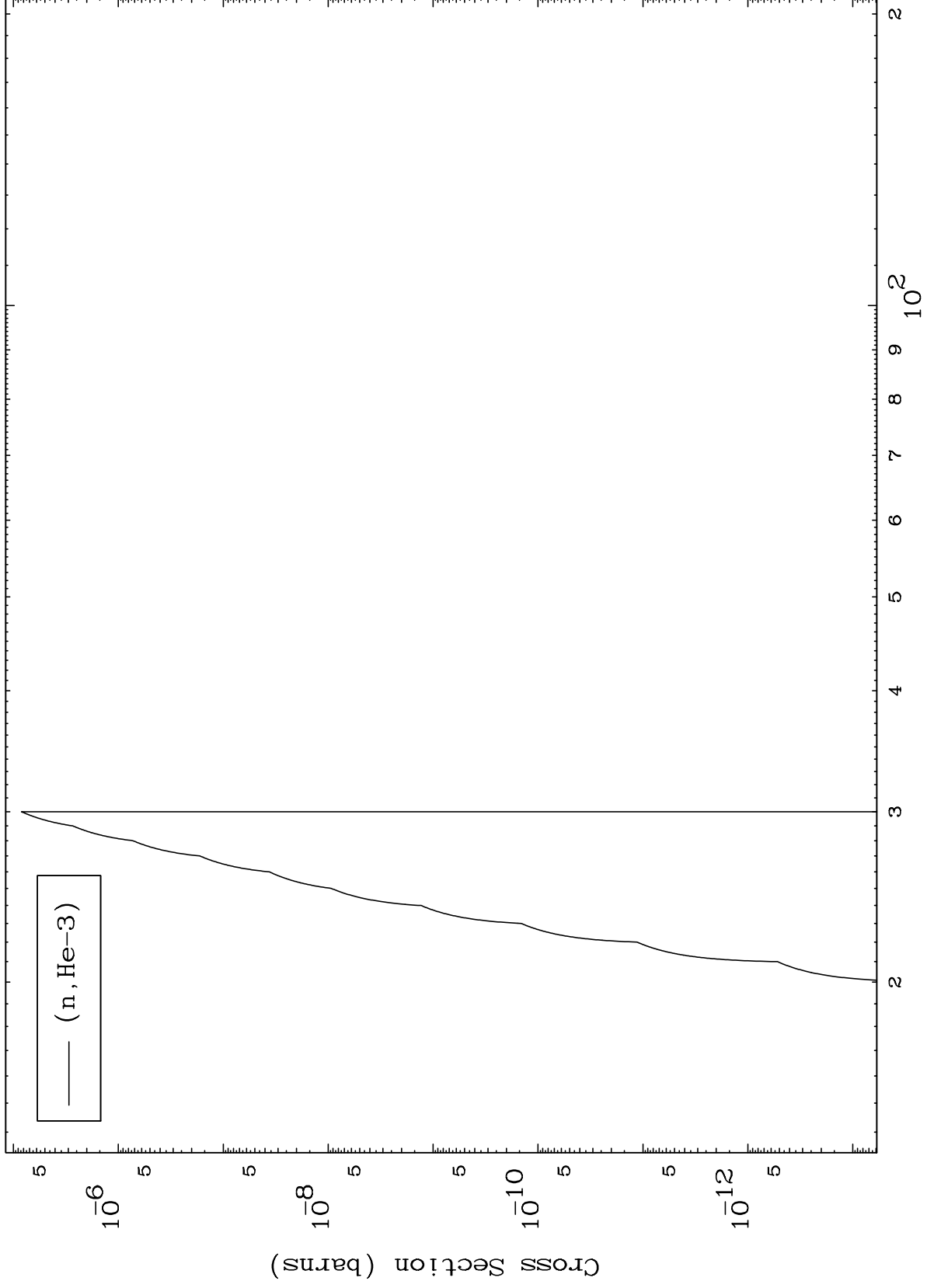
Incident Energy (MeV)

48-Cd-118

MAT 4861

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-118



14

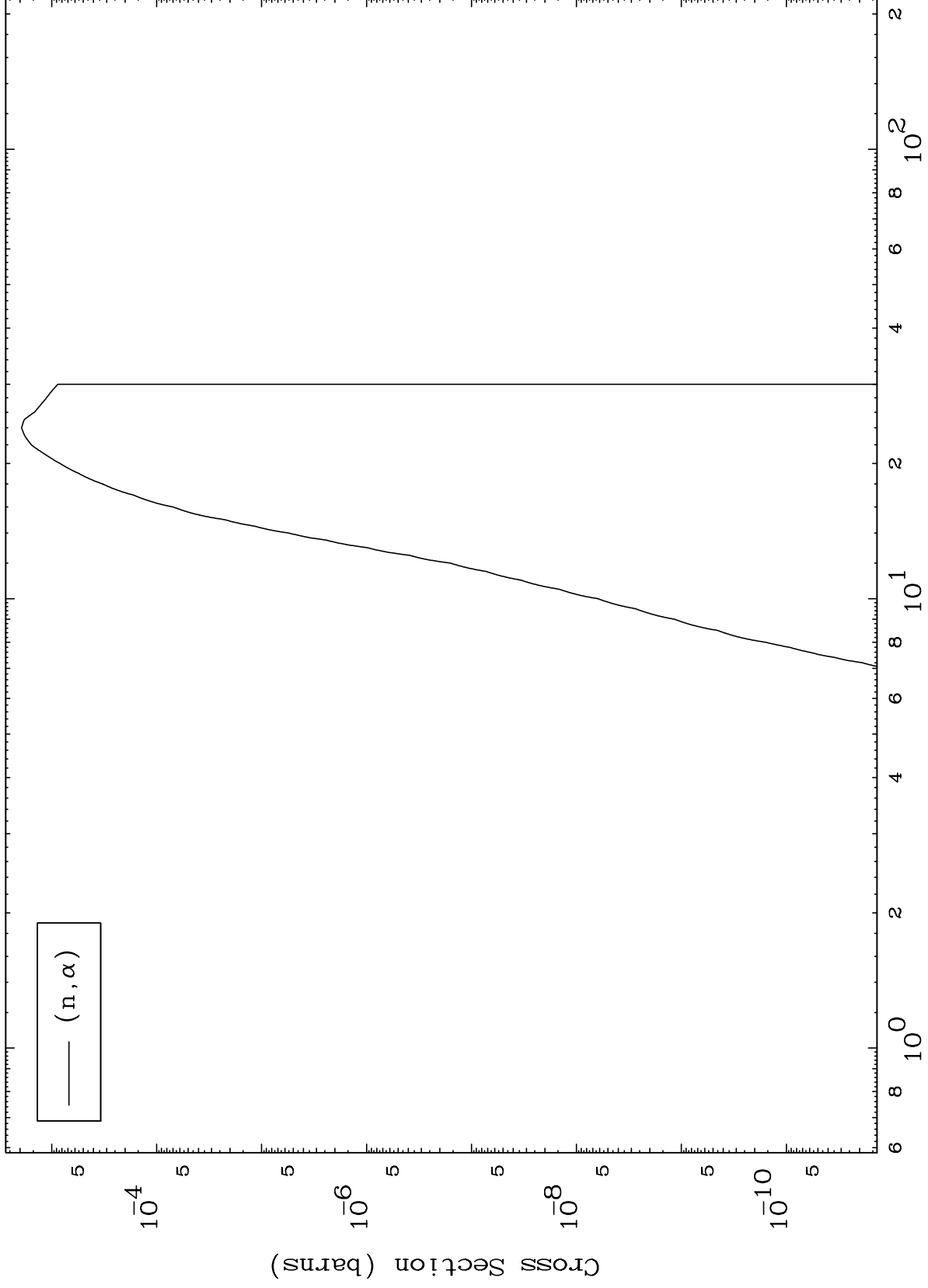
Incident Energy (MeV)

48-Cd-118

MAT 4861

(n, α) Levels
293 Kelvin Cross Sections

48-Cd-118



15

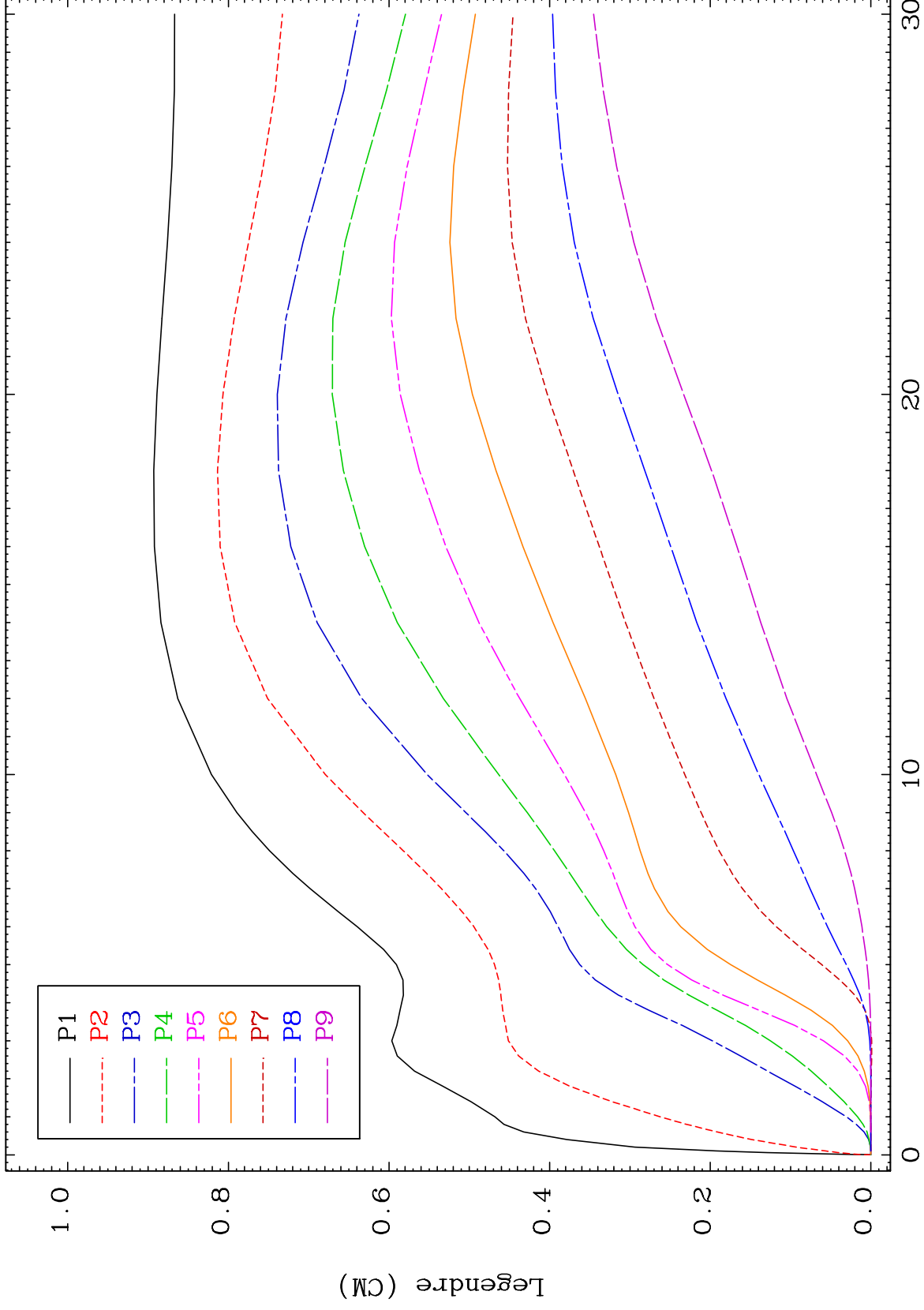
Incident Energy (MeV)

48-Cd-118

MAT 4861

Elastic Legendre Coefficients

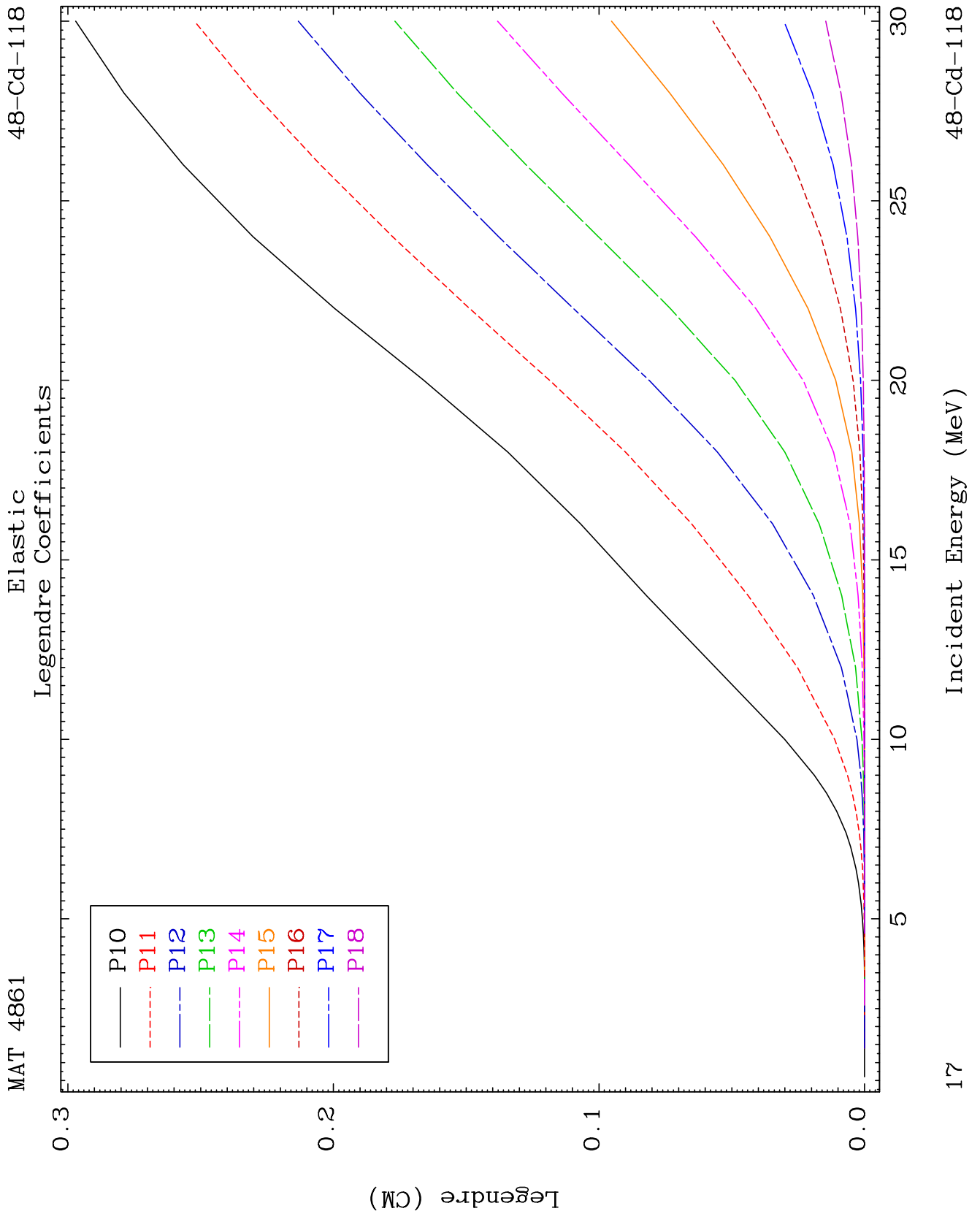
48-Cd-118



16

Incident Energy (MeV)

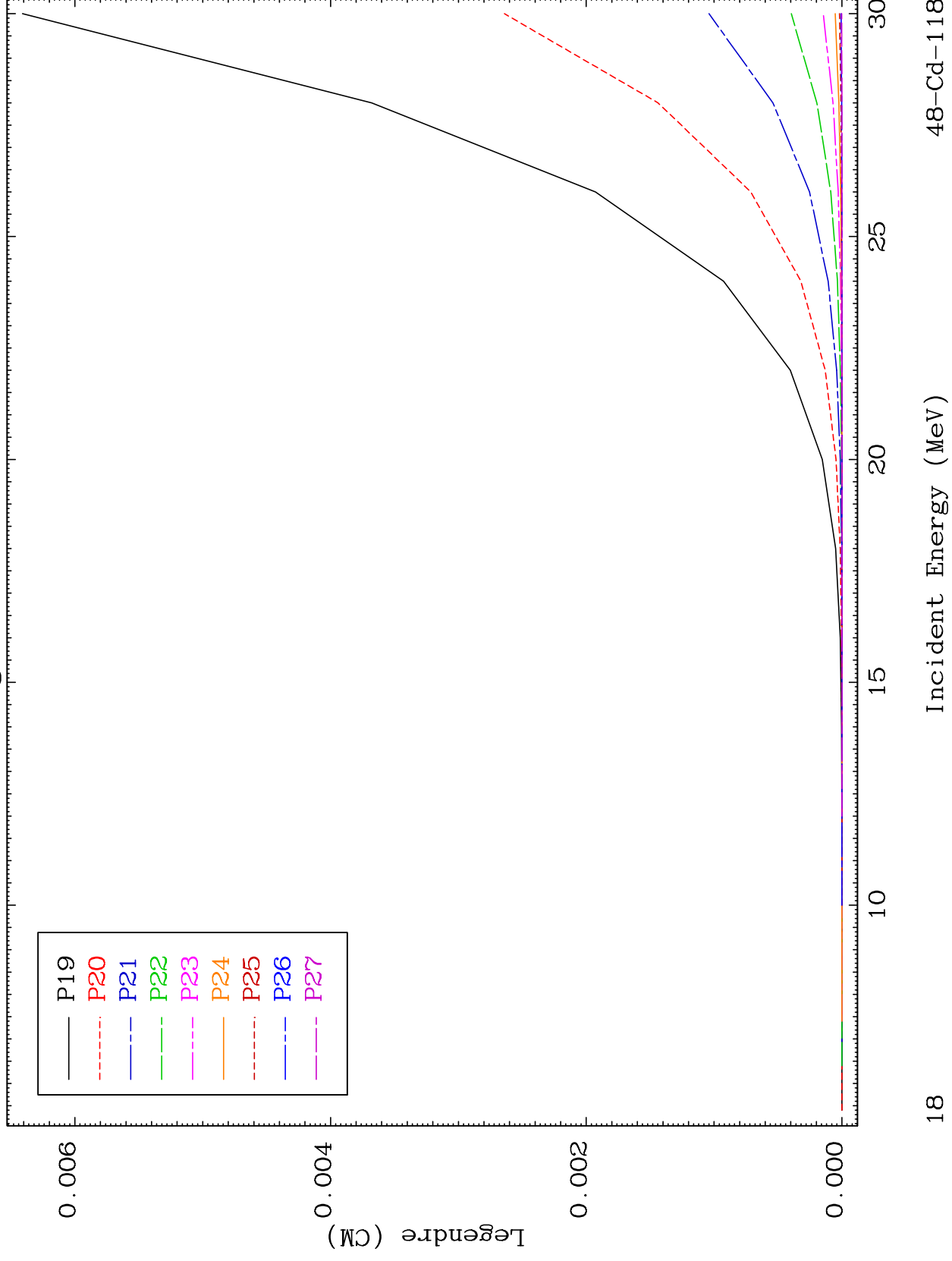
48-Cd-118



MAT 4861

Elastic Legendre Coefficients

48-Cd-118



18

Incident Energy (MeV)

48-Cd-118

30

25

20

15

10

0.006

0.004

0.002

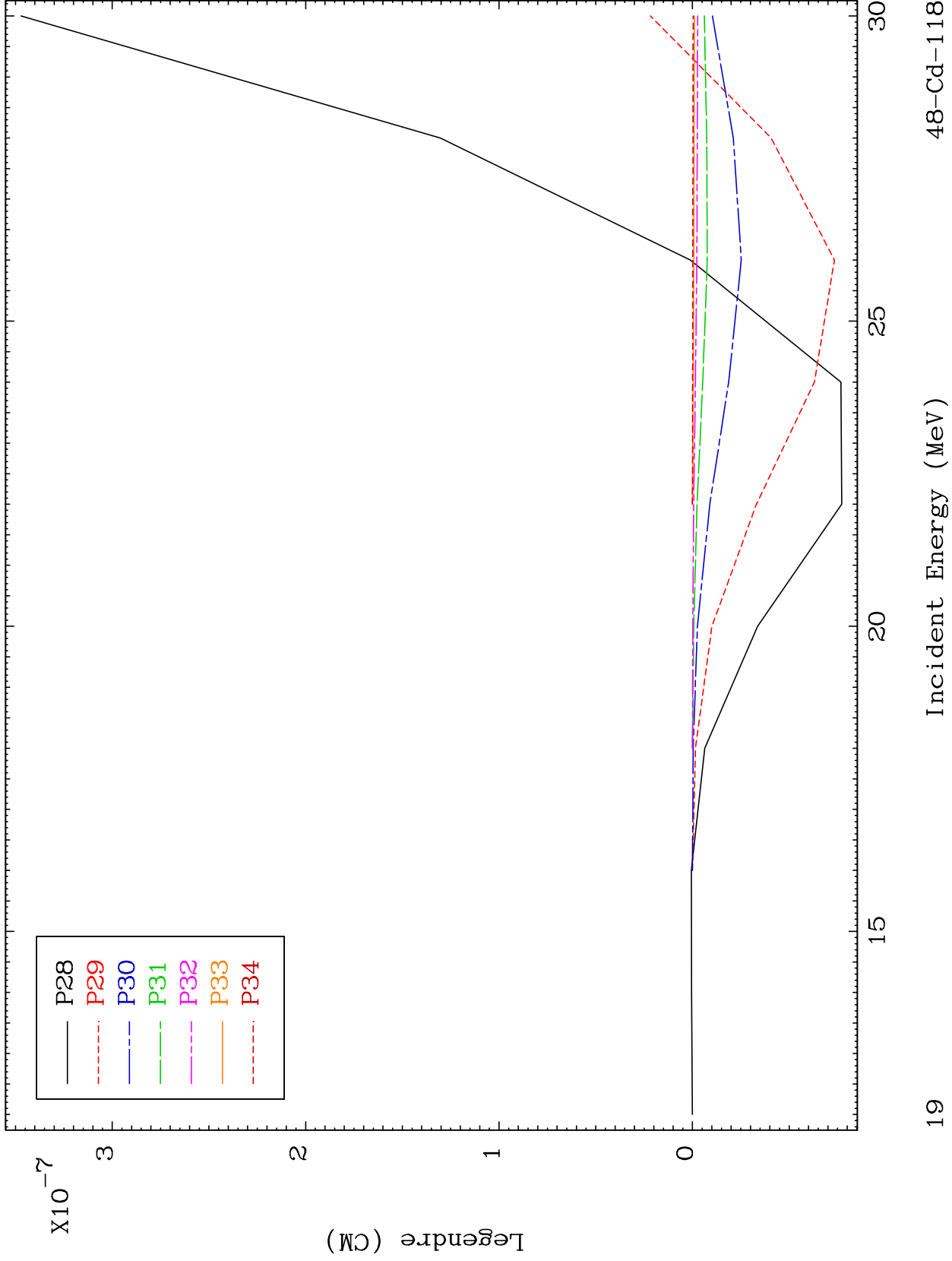
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Legendre (CM)

MAT 4861

Elastic Legendre Coefficients

48-Cd-118



19

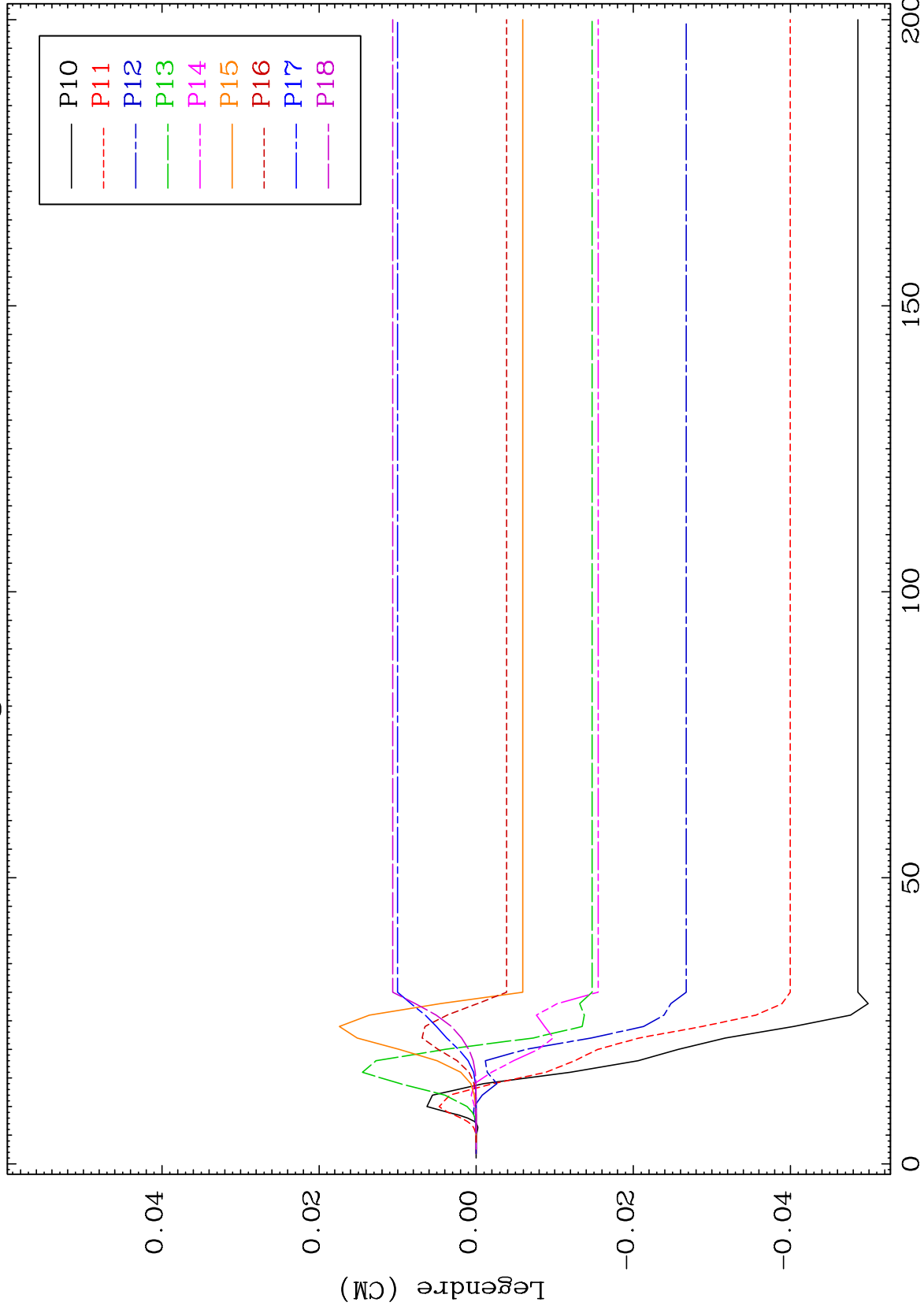
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



21

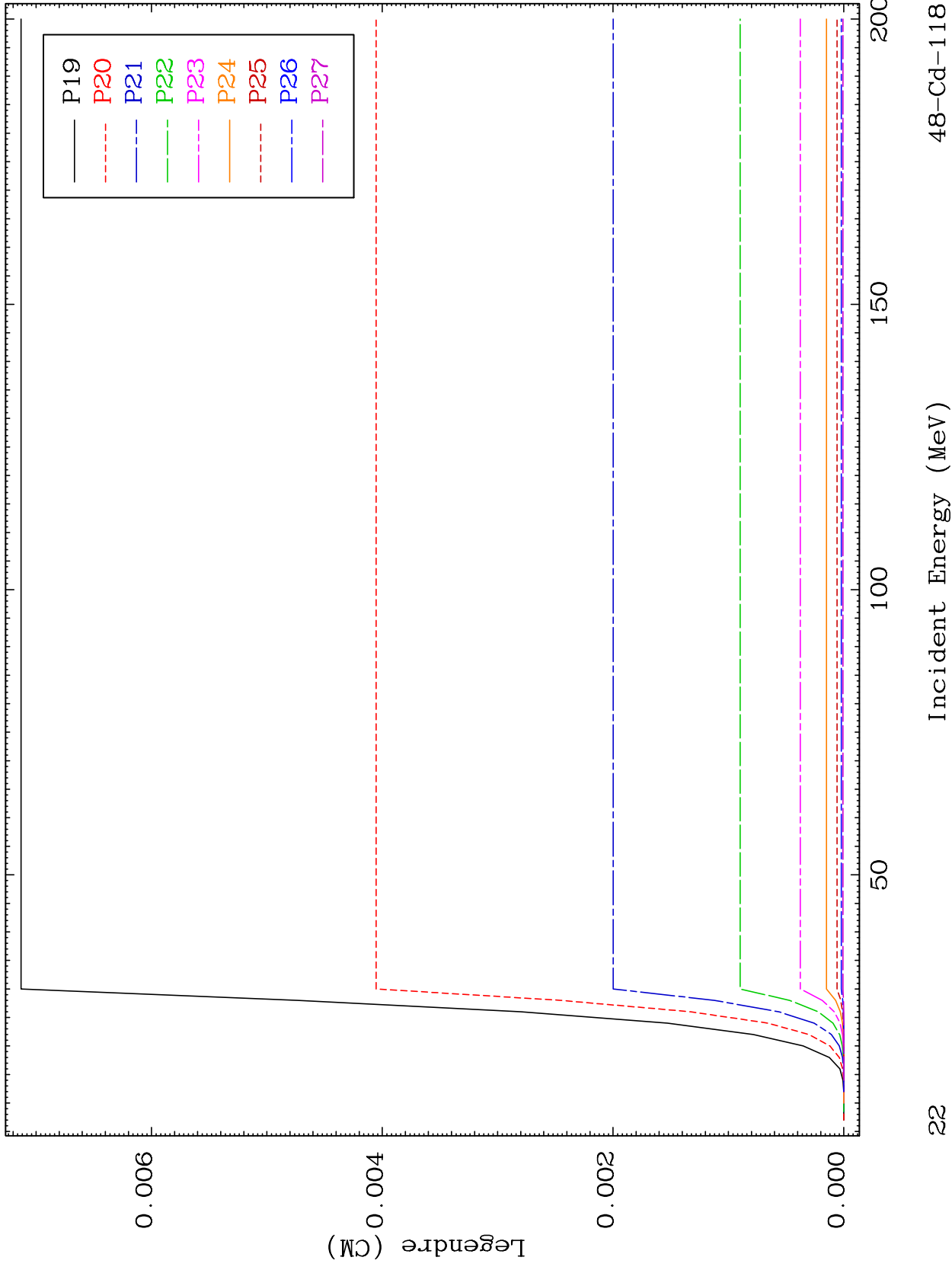
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



22

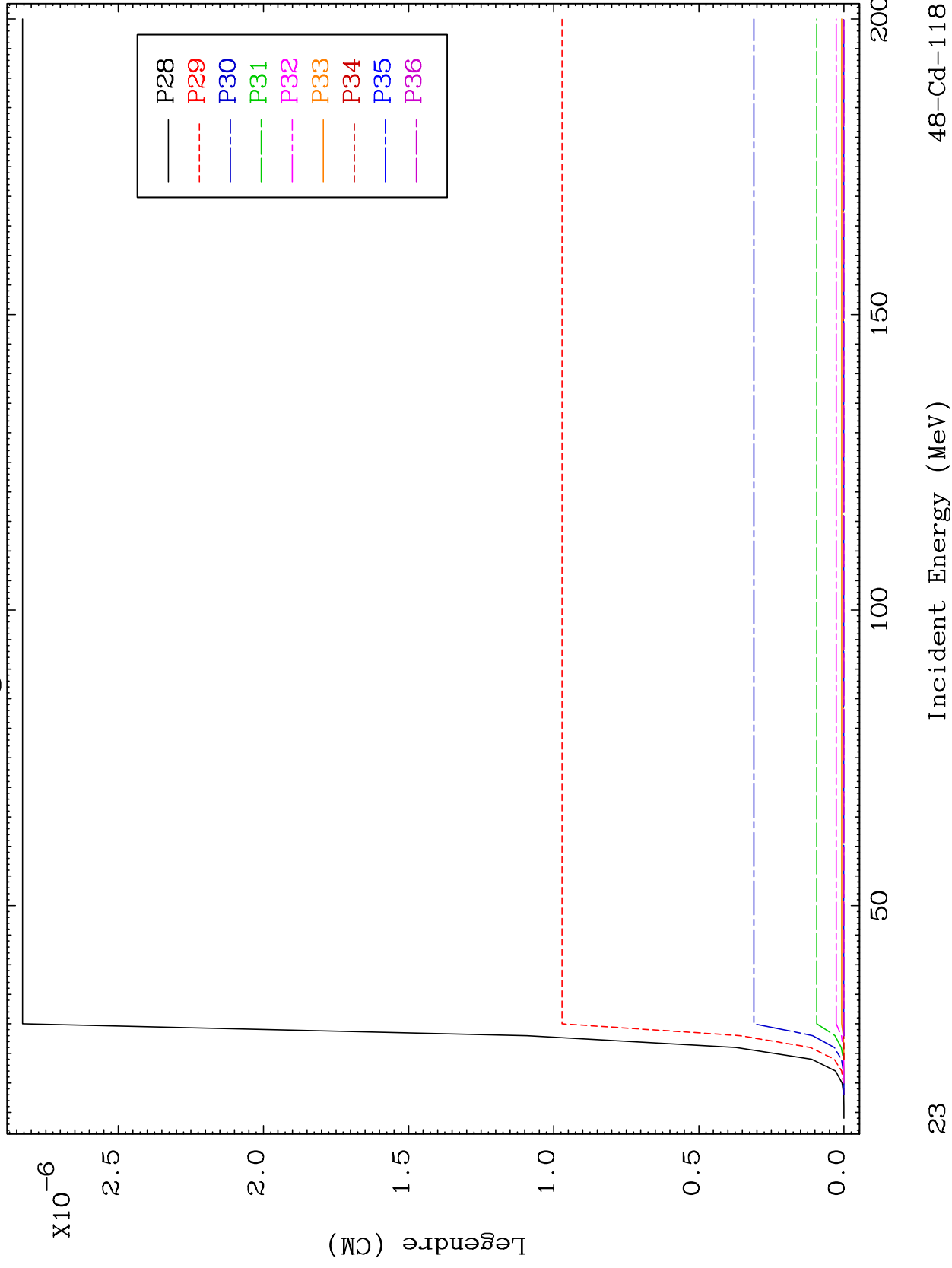
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118

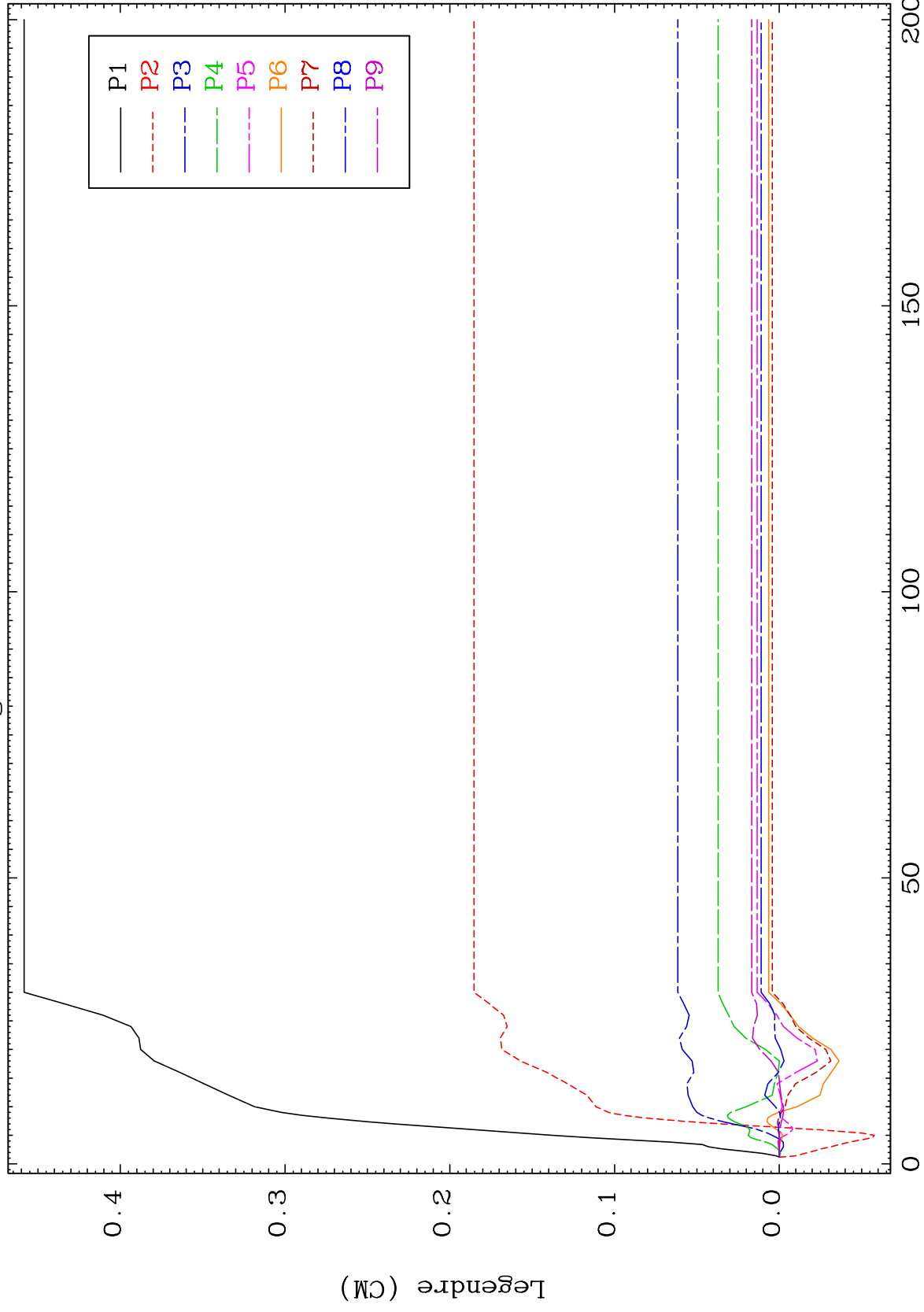


23

MAT 4861

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

48-Cd-118



24

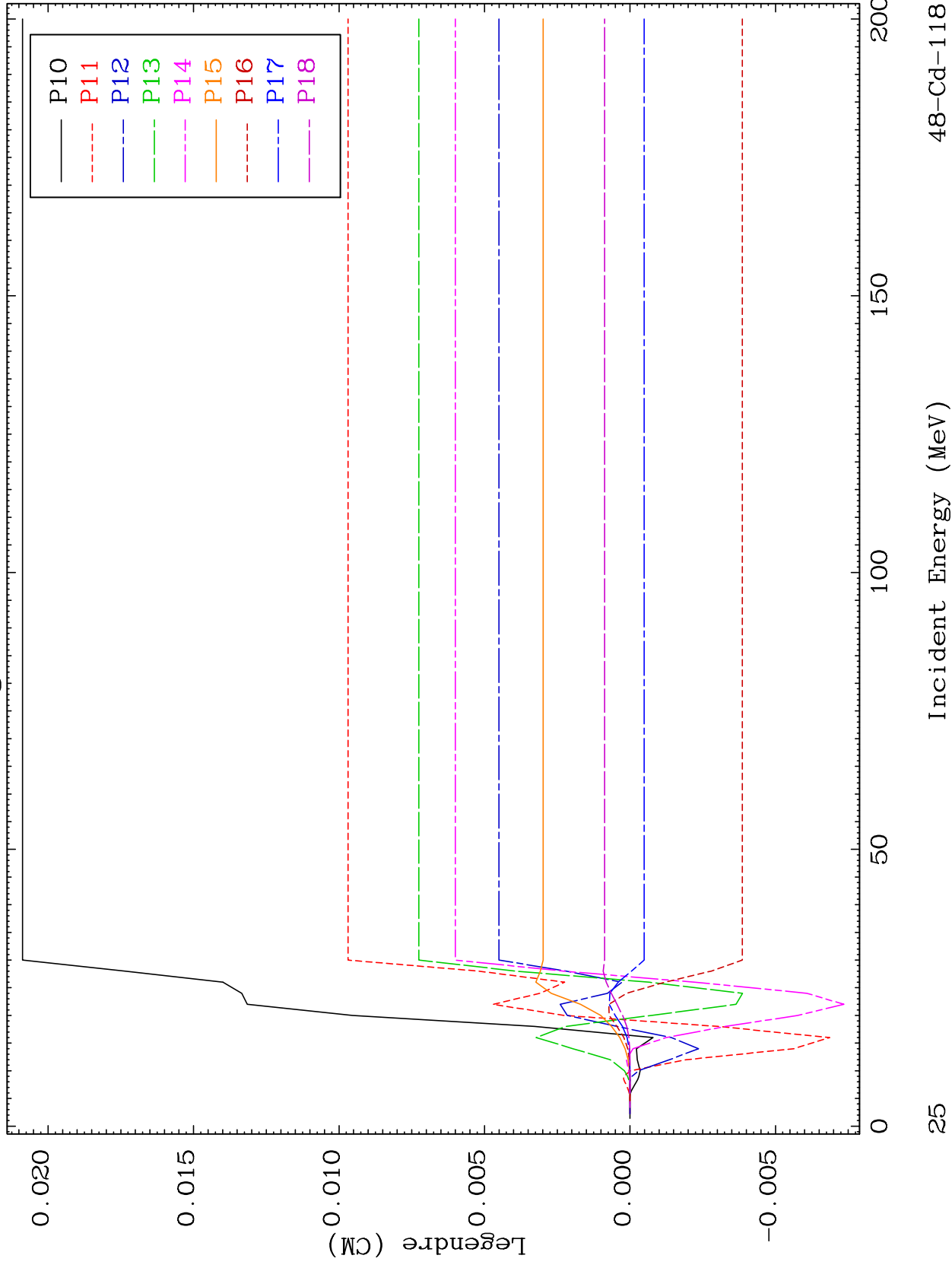
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



48-Cd-118

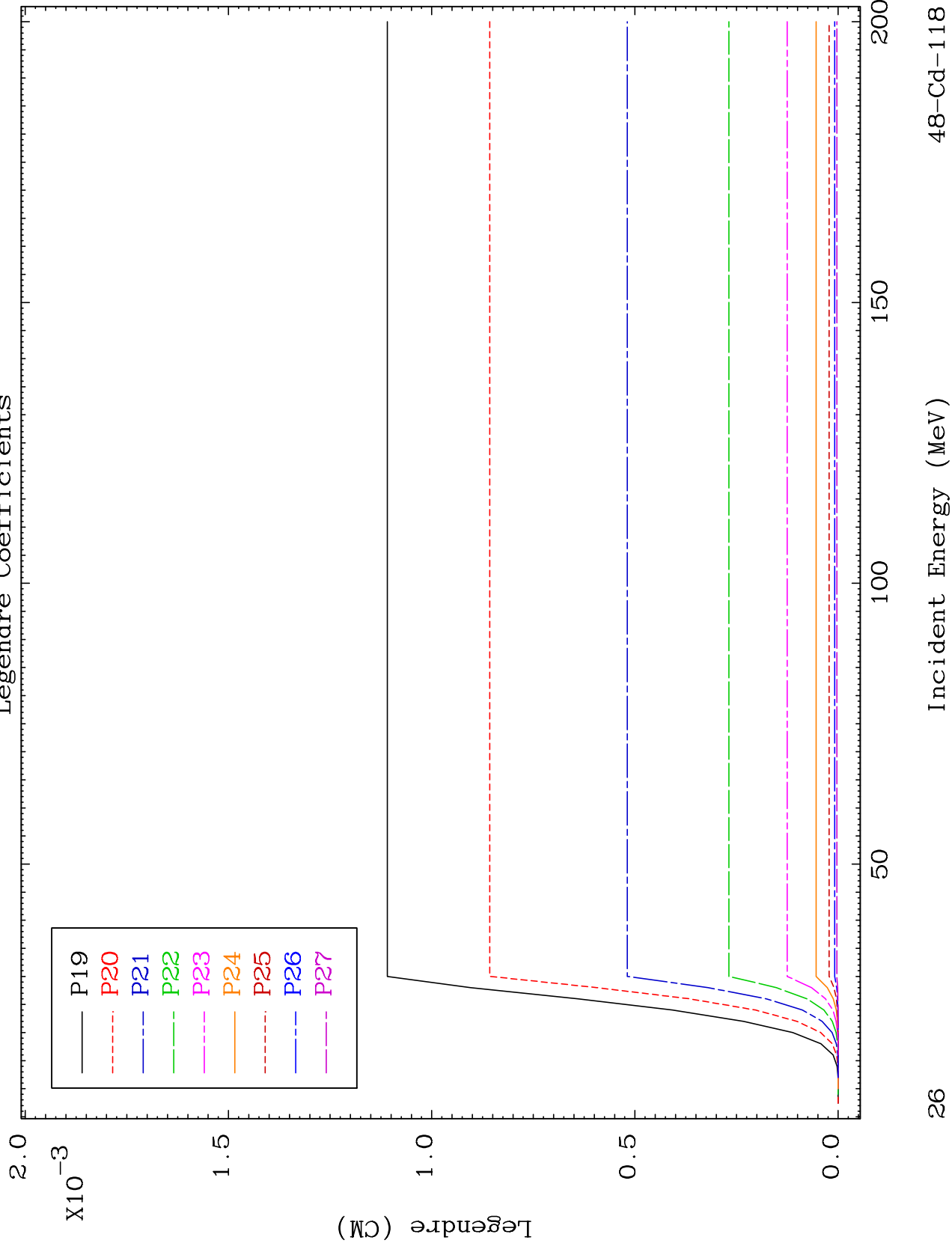
Incident Energy (MeV)

25

MAT 4861

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

48-Cd-118



26

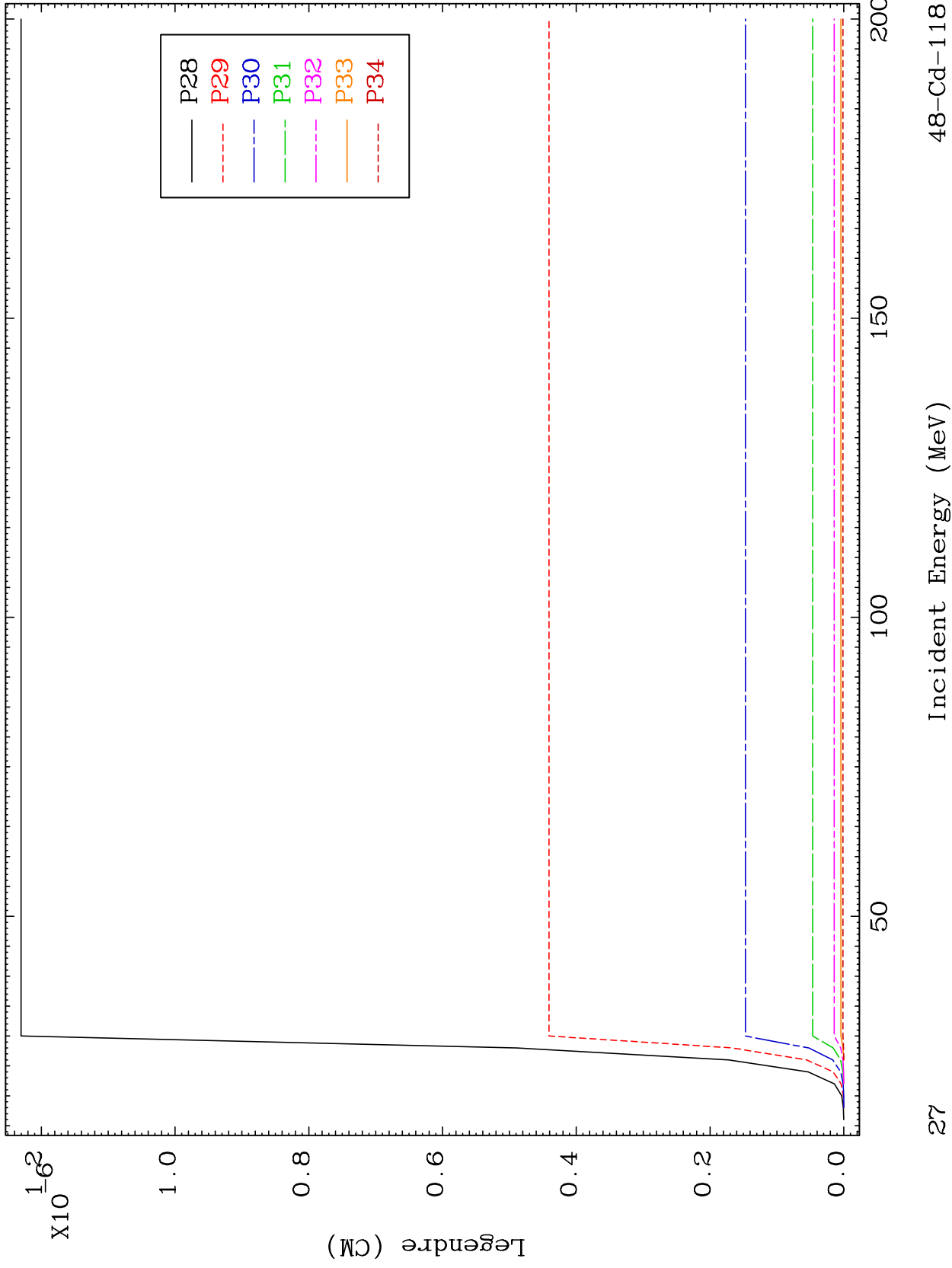
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

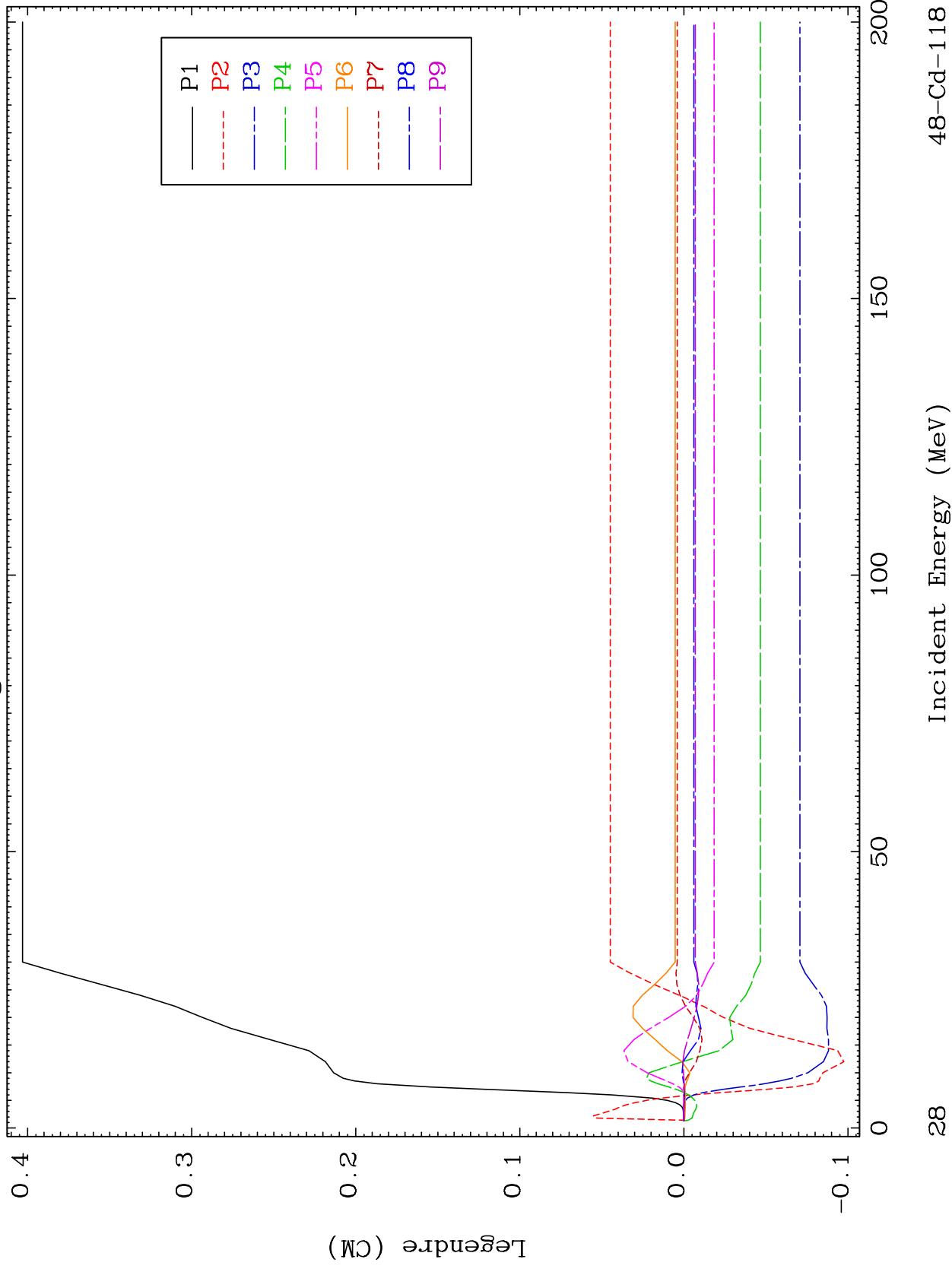
48-Cd-118



MAT 4861

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

48-Cd-118



48-Cd-118

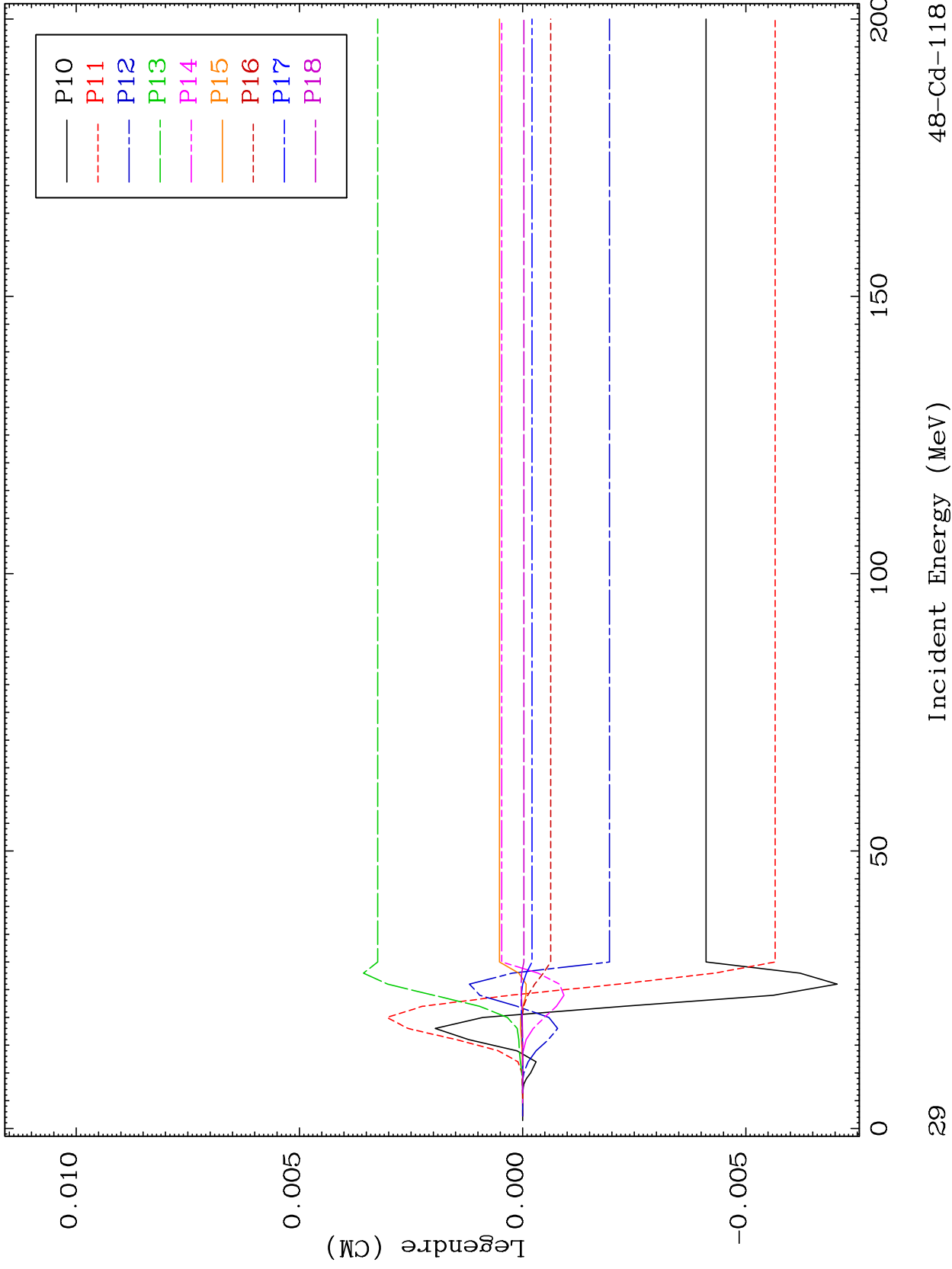
Incident Energy (MeV)

28

MAT 4861

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

48-Cd-118



29

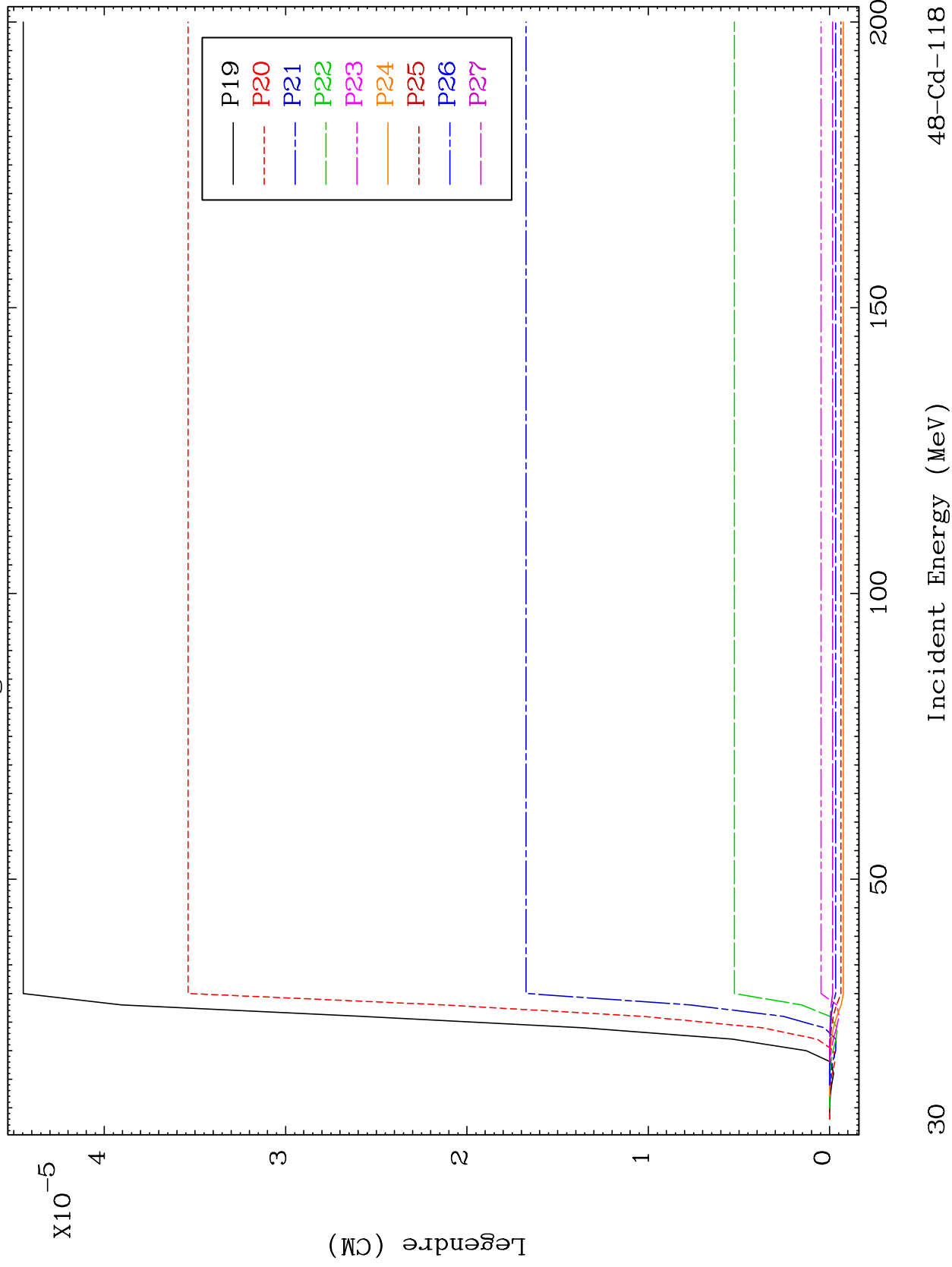
Incident Energy (MeV)

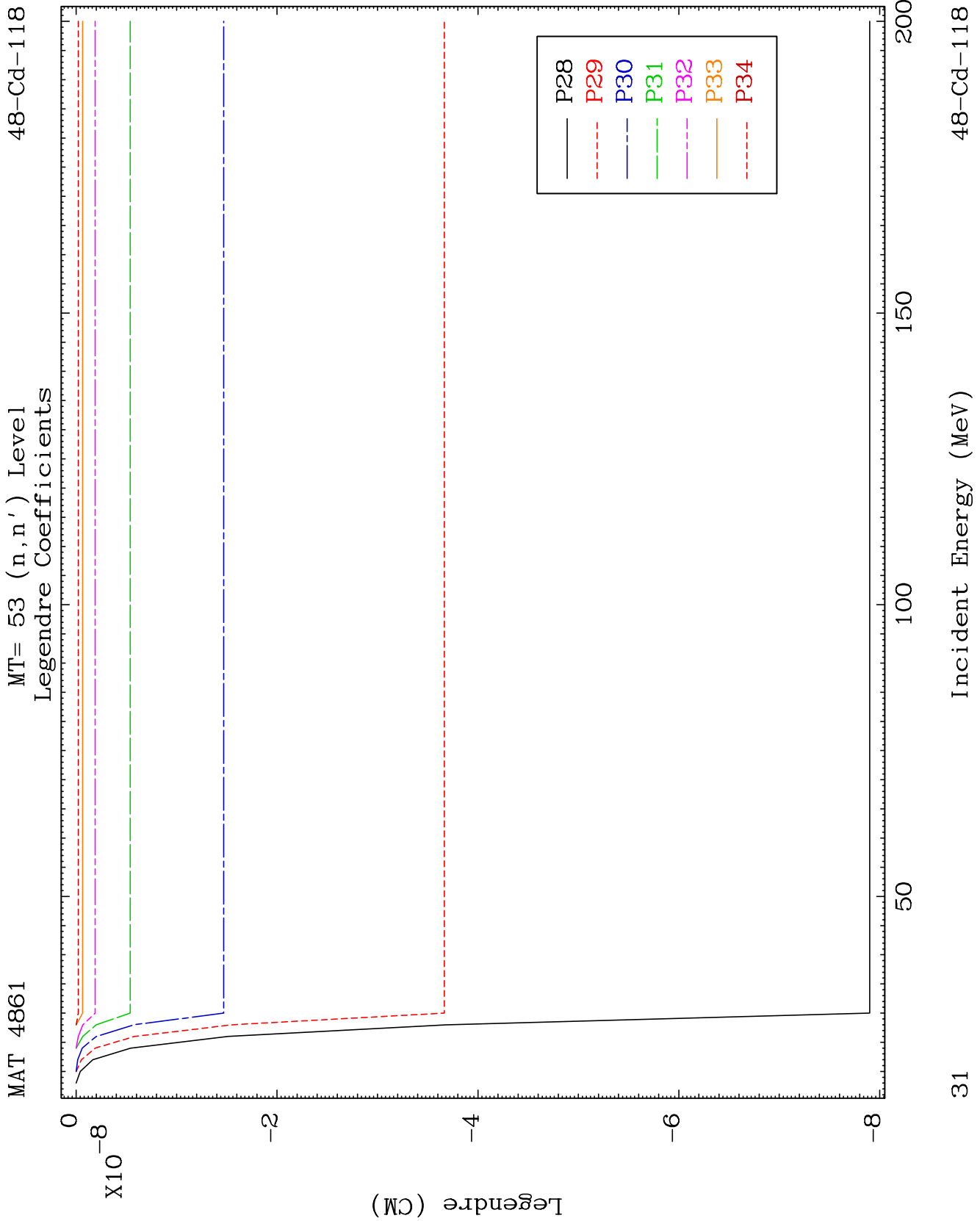
48-Cd-118

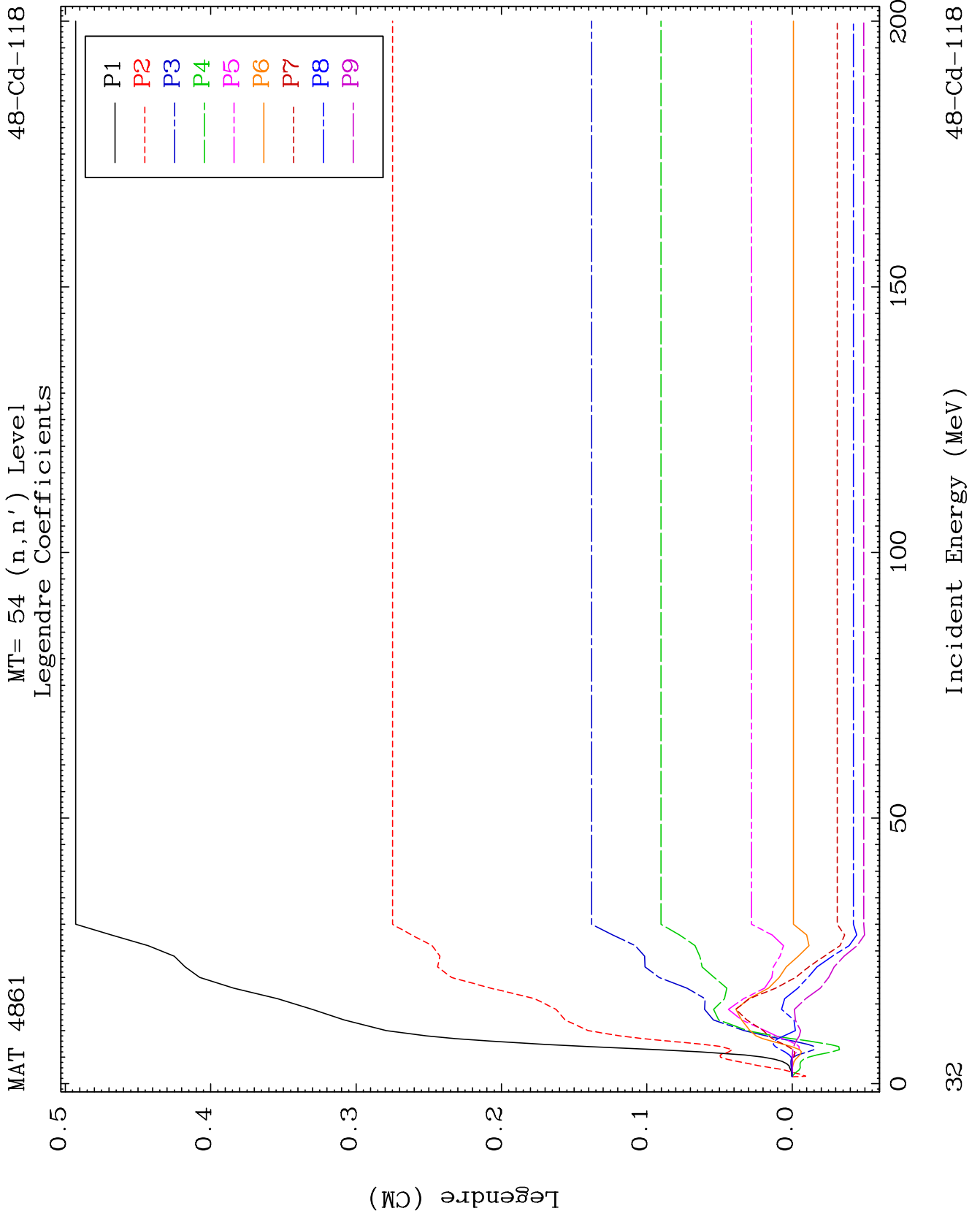
MAT 4861

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

48-Cd-118



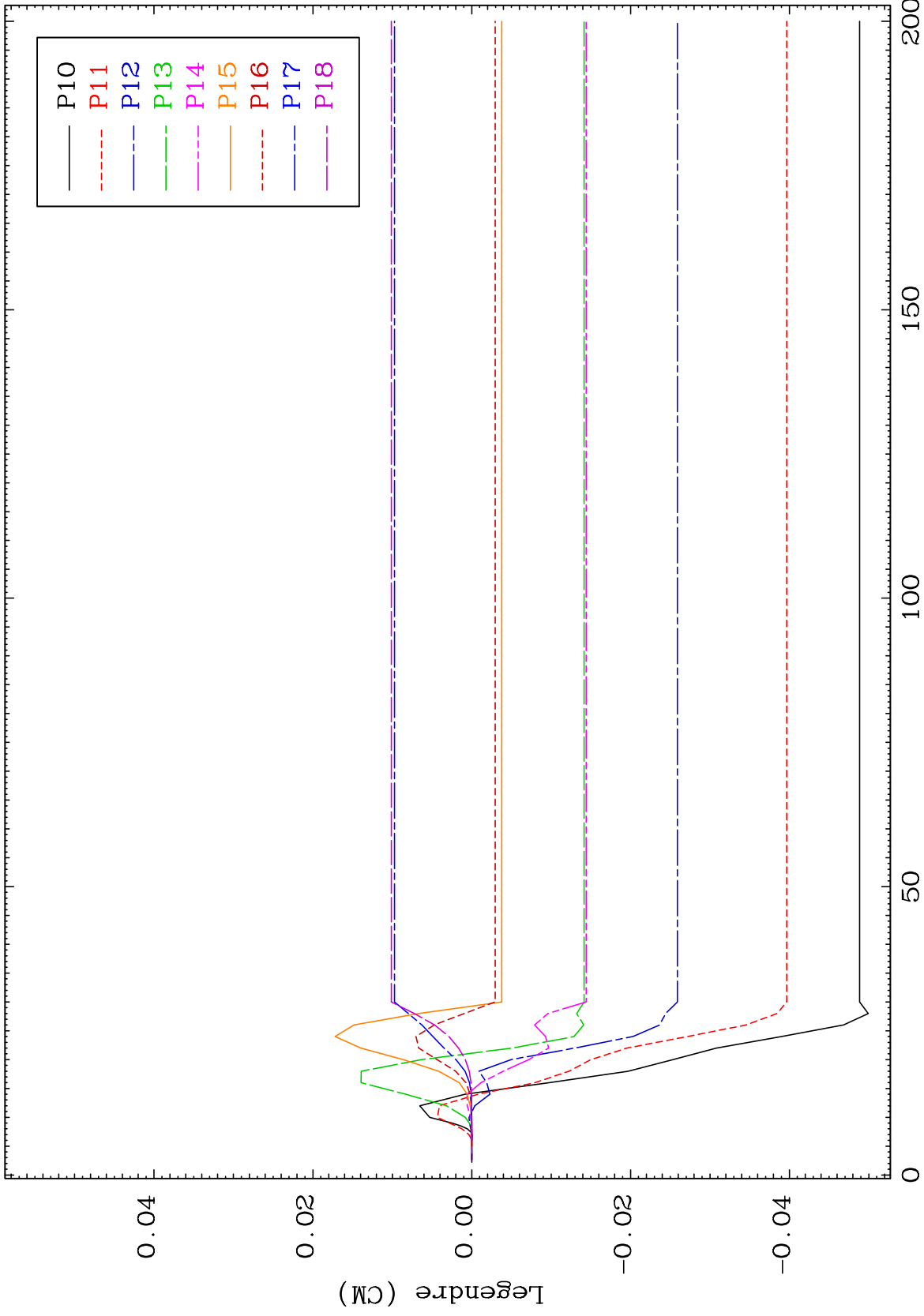




MAT 4861

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

48-Cd-118



33

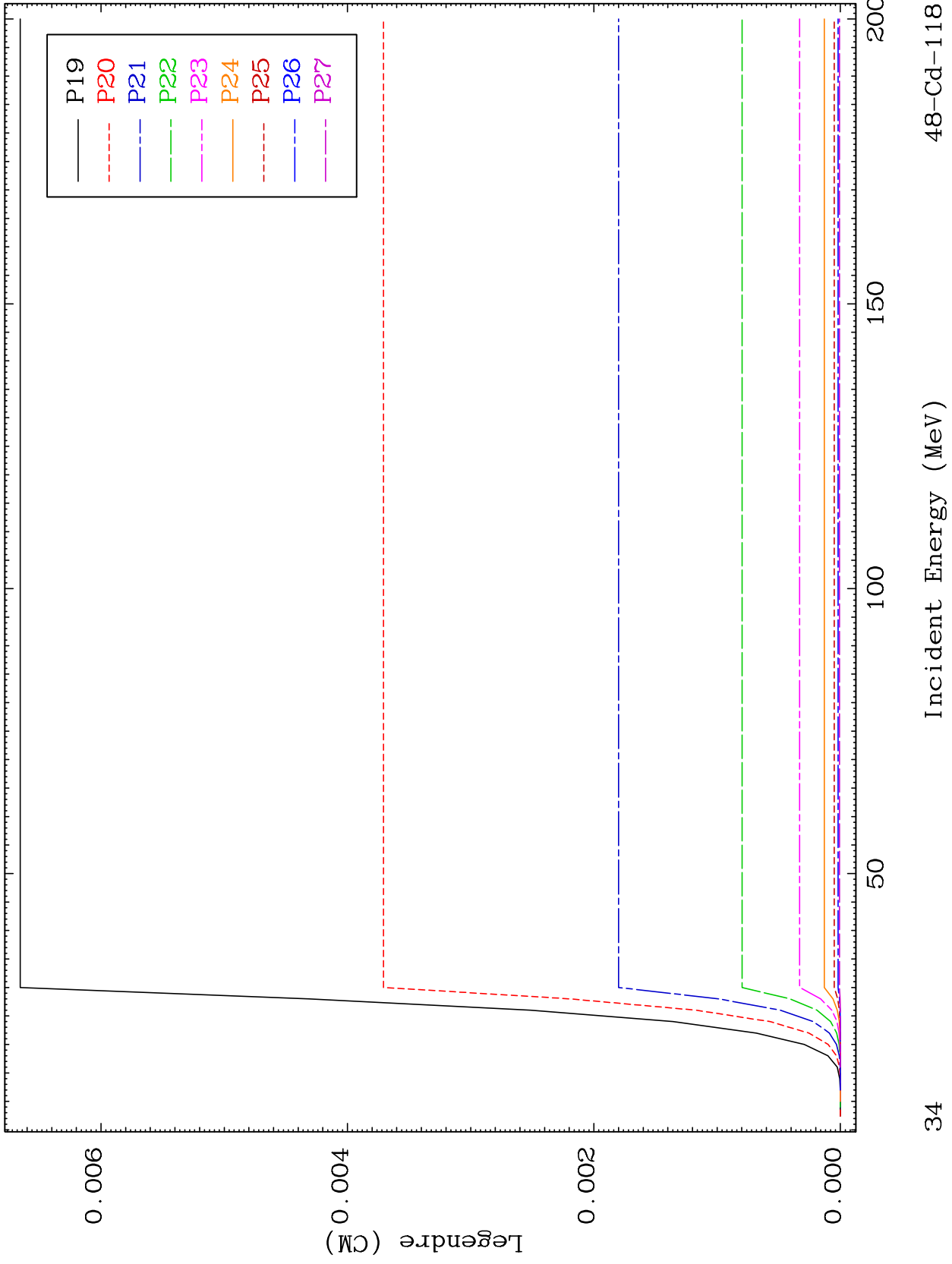
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



34

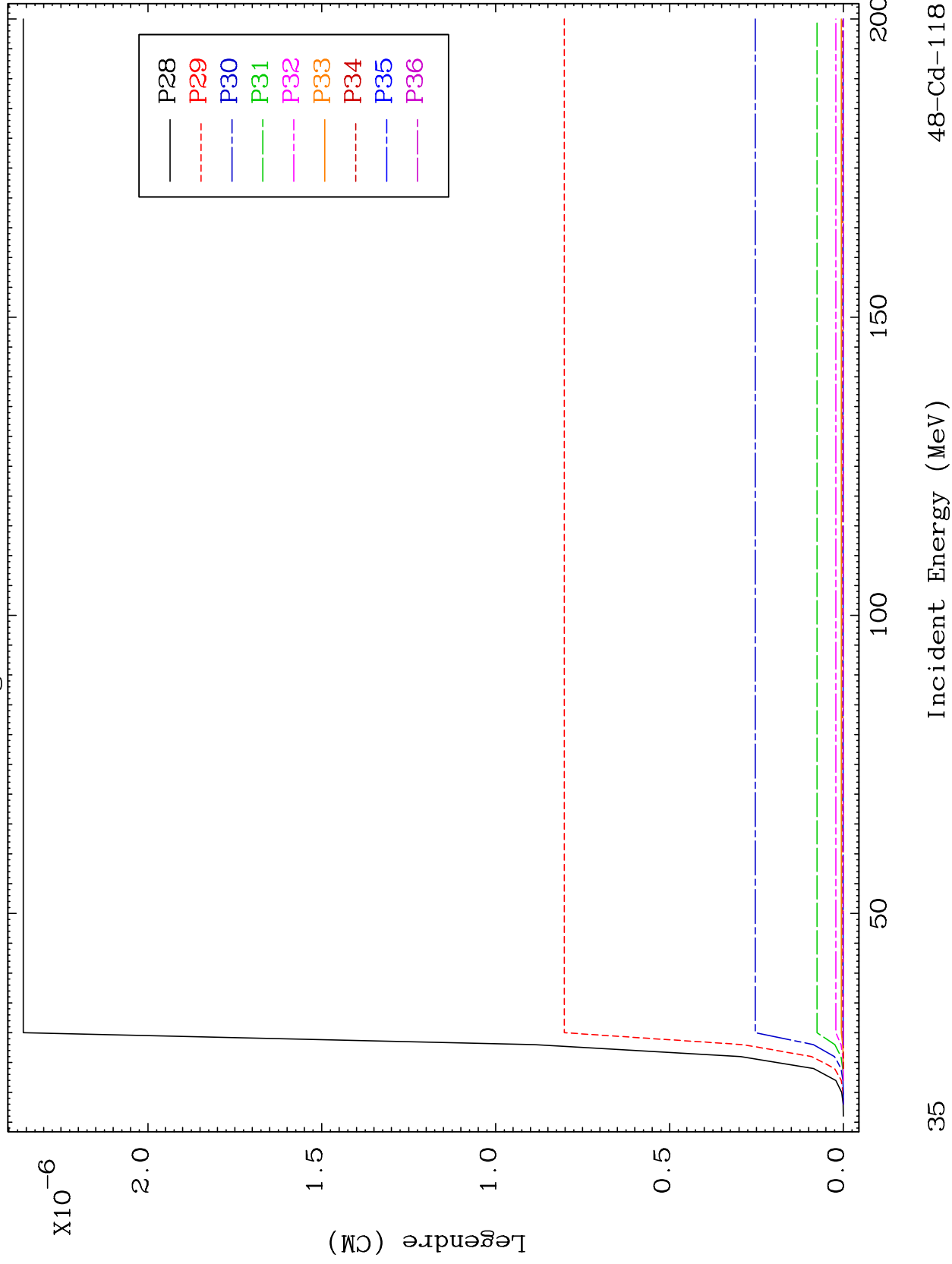
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

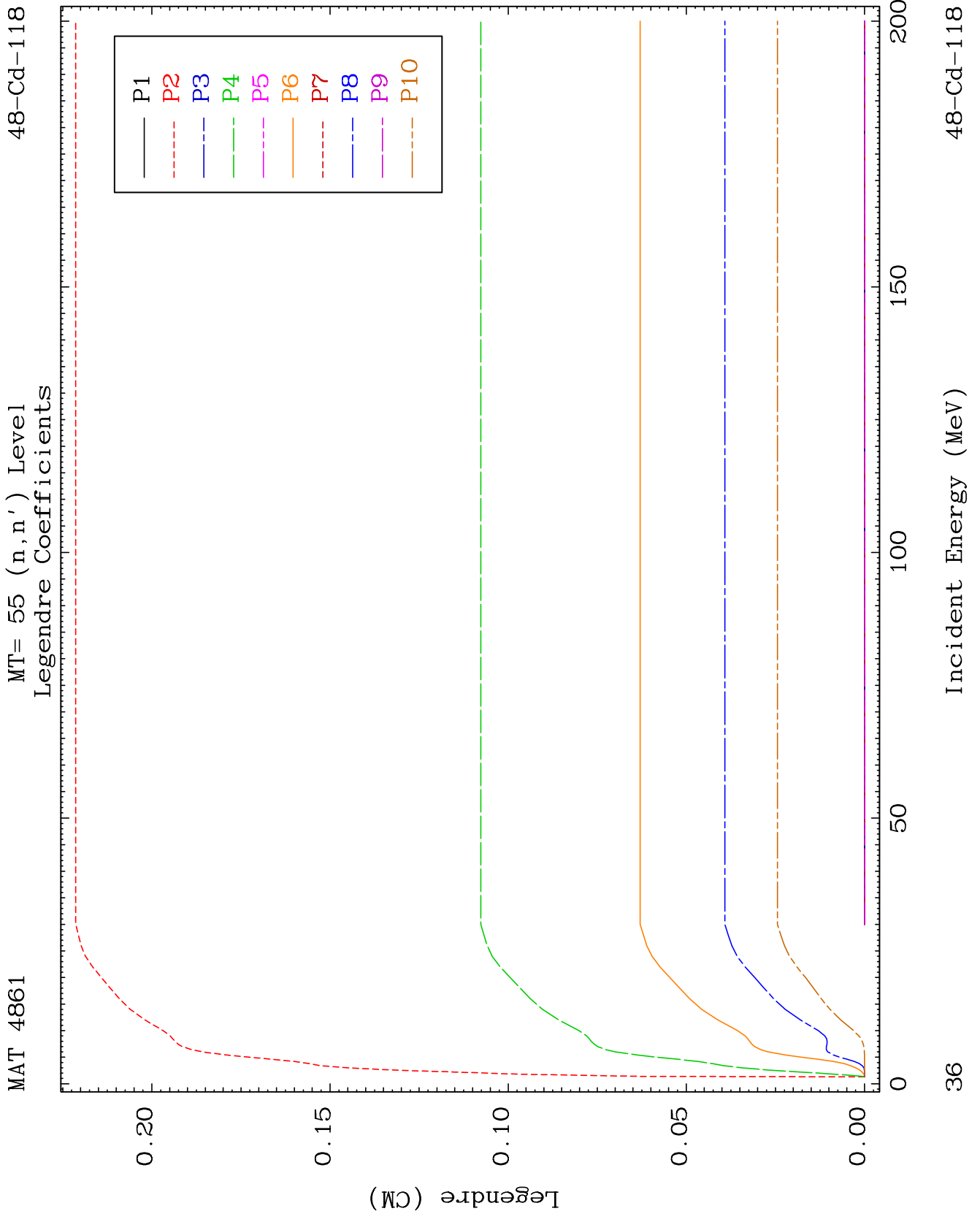
48-Cd-118



35

Incident Energy (MeV)

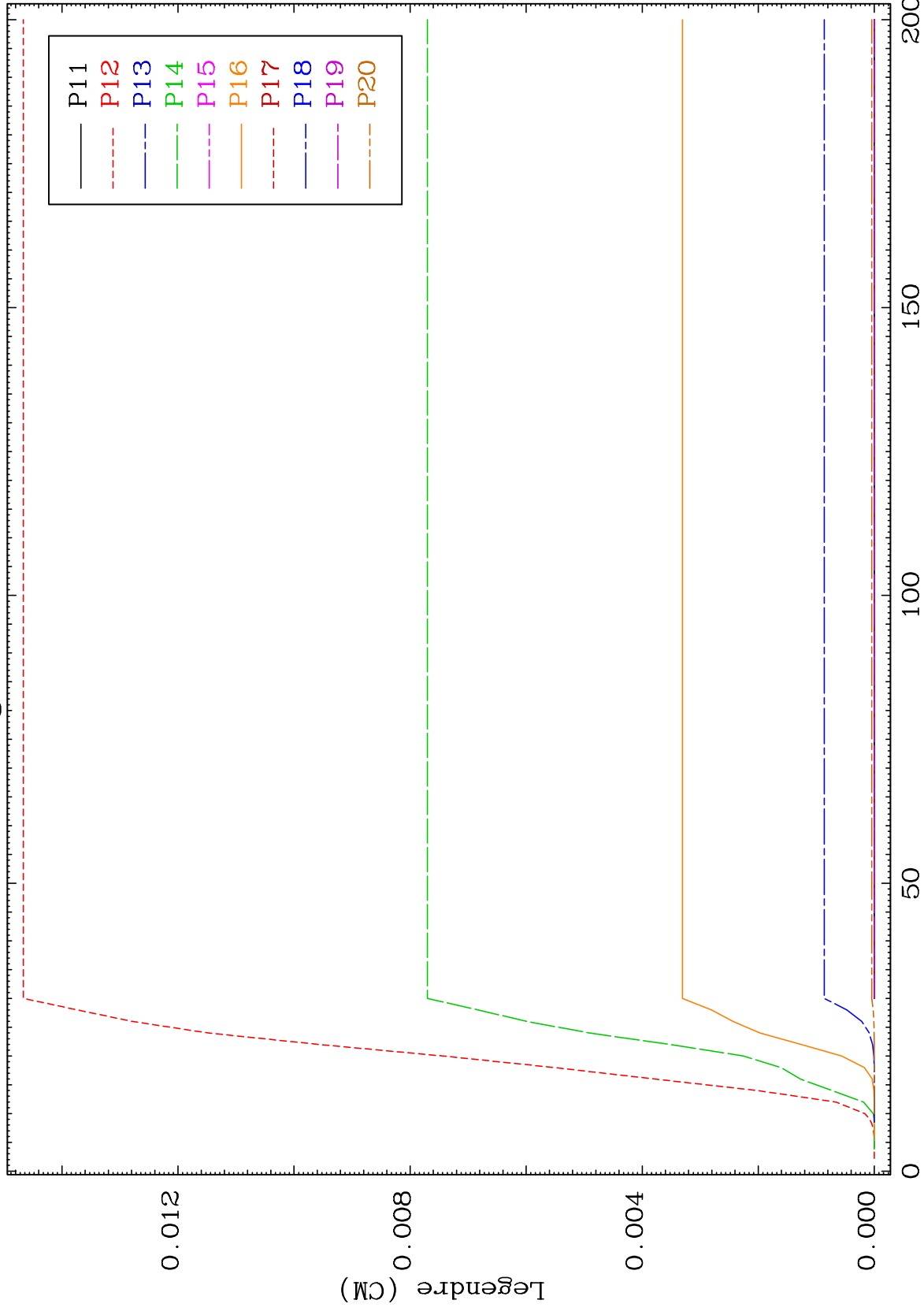
48-Cd-118



MAT 4861

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

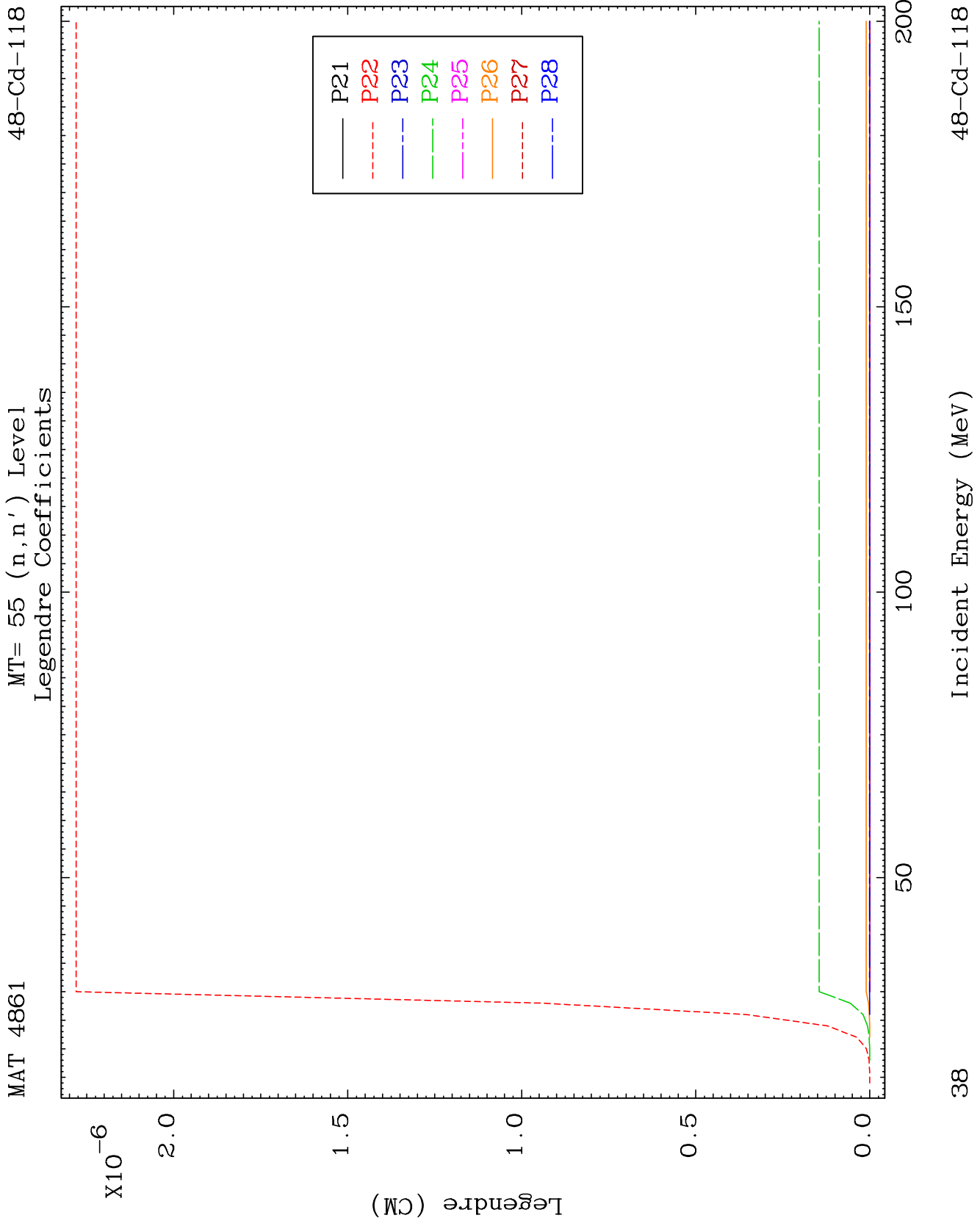
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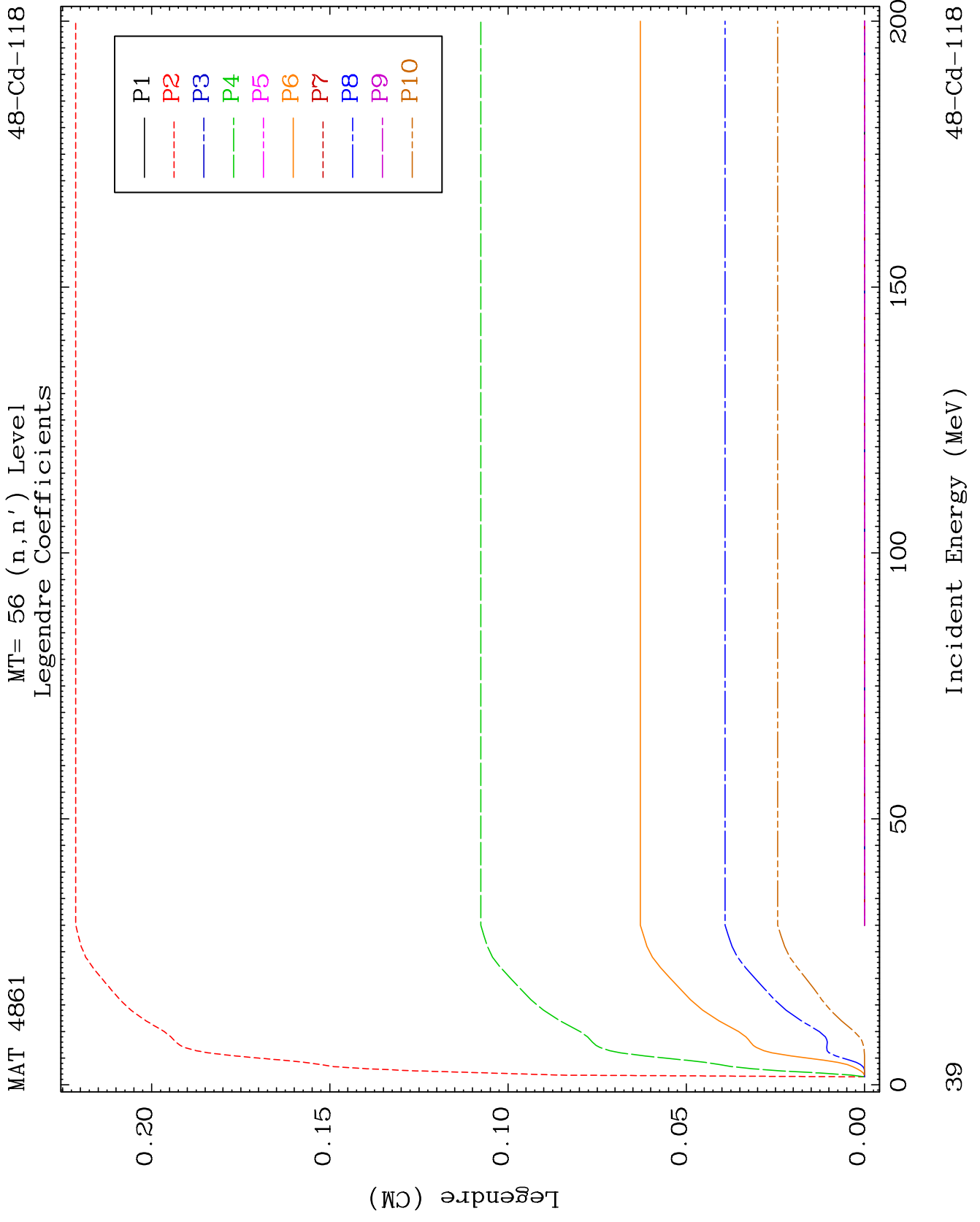


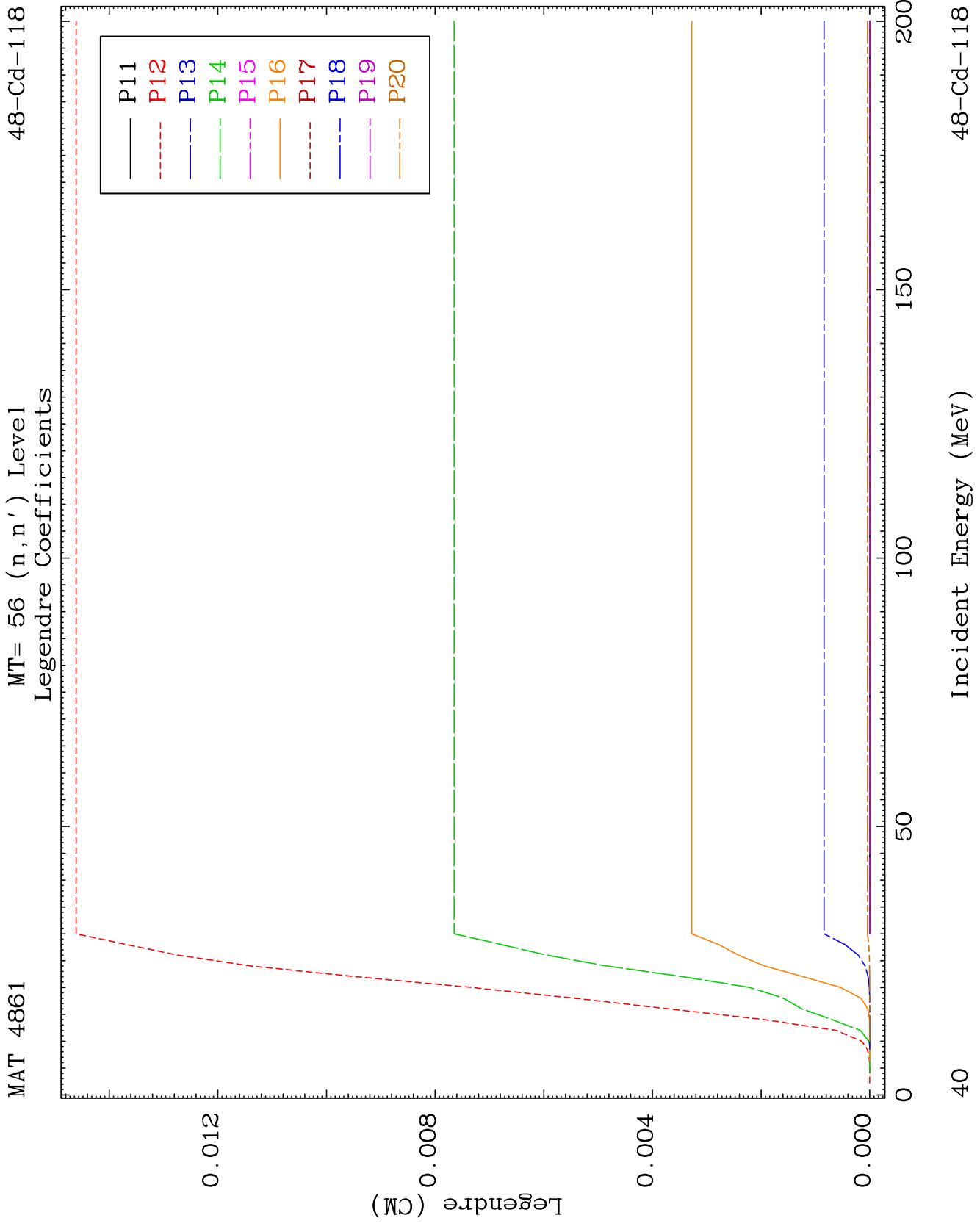
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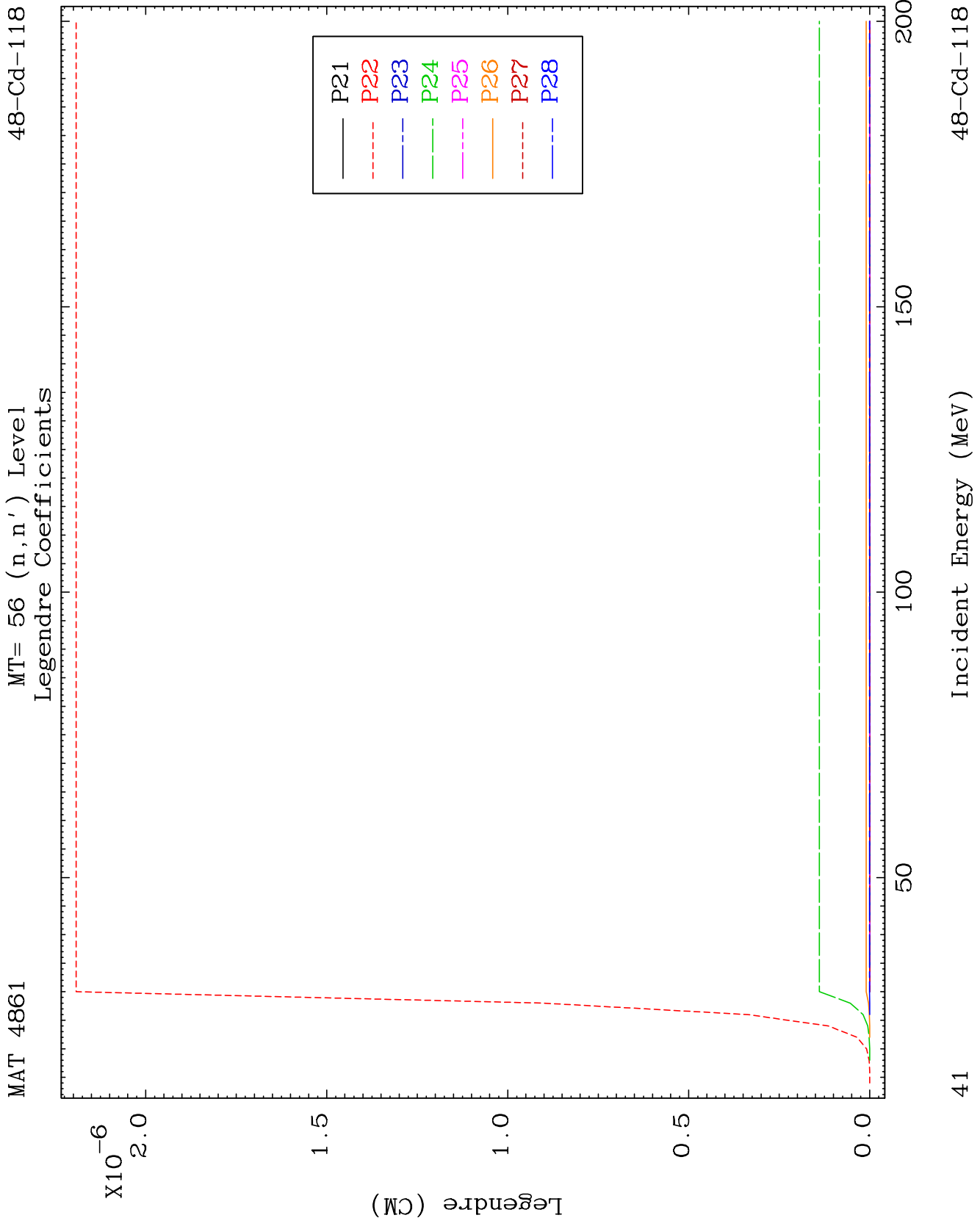
Incident Energy (MeV)

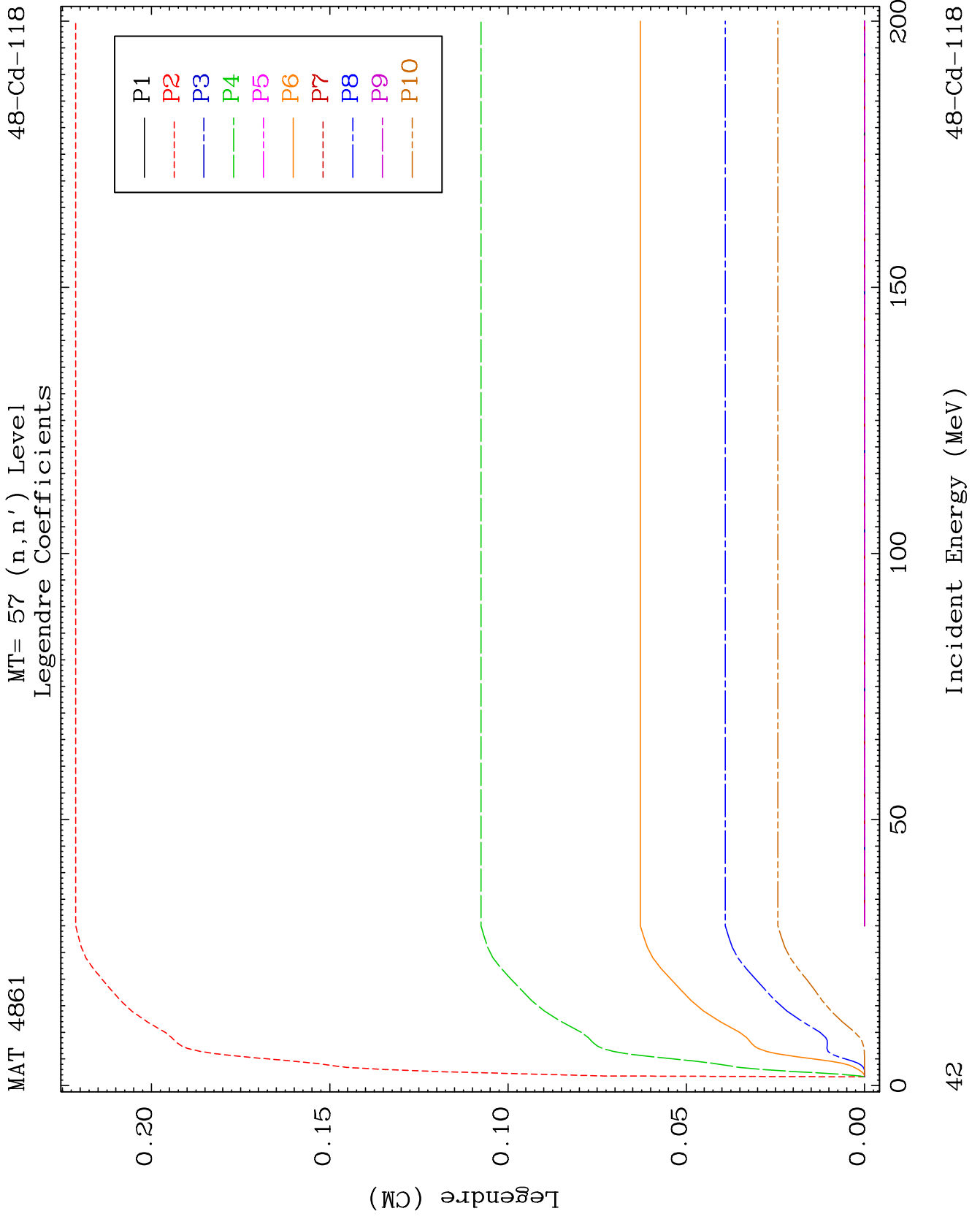
48-Cd-118

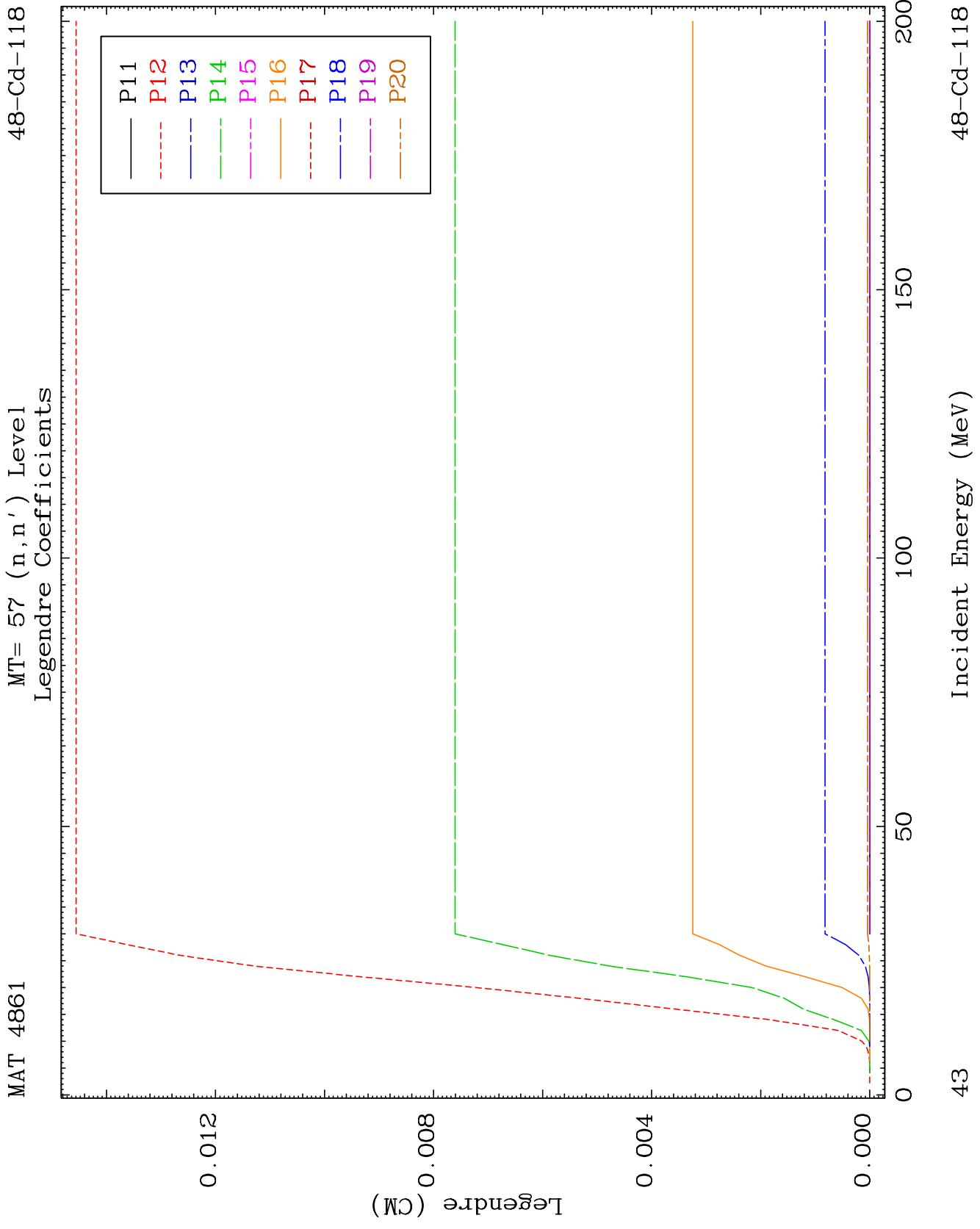








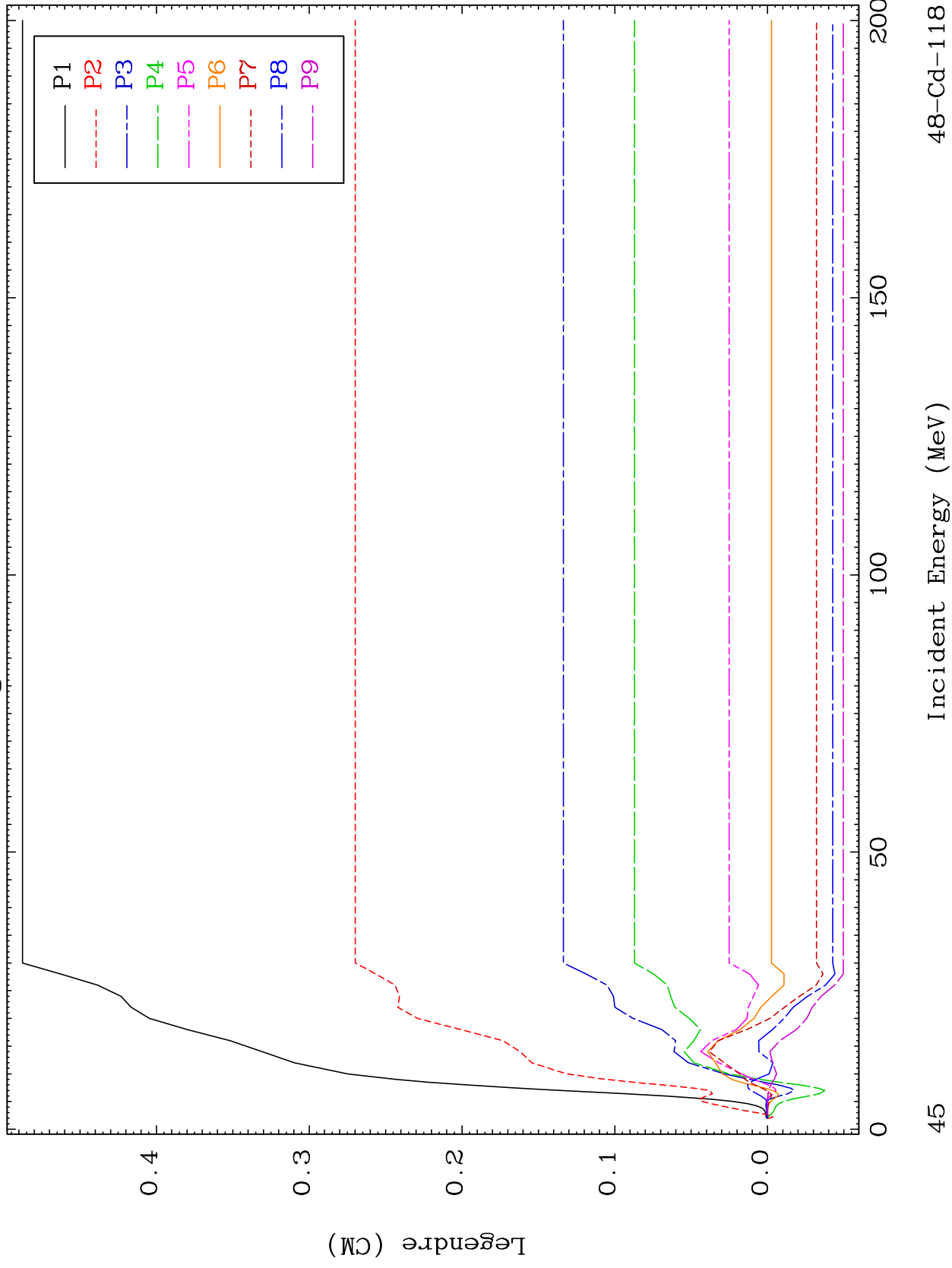




MAT 4861

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

48-Cd-118



48-Cd-118

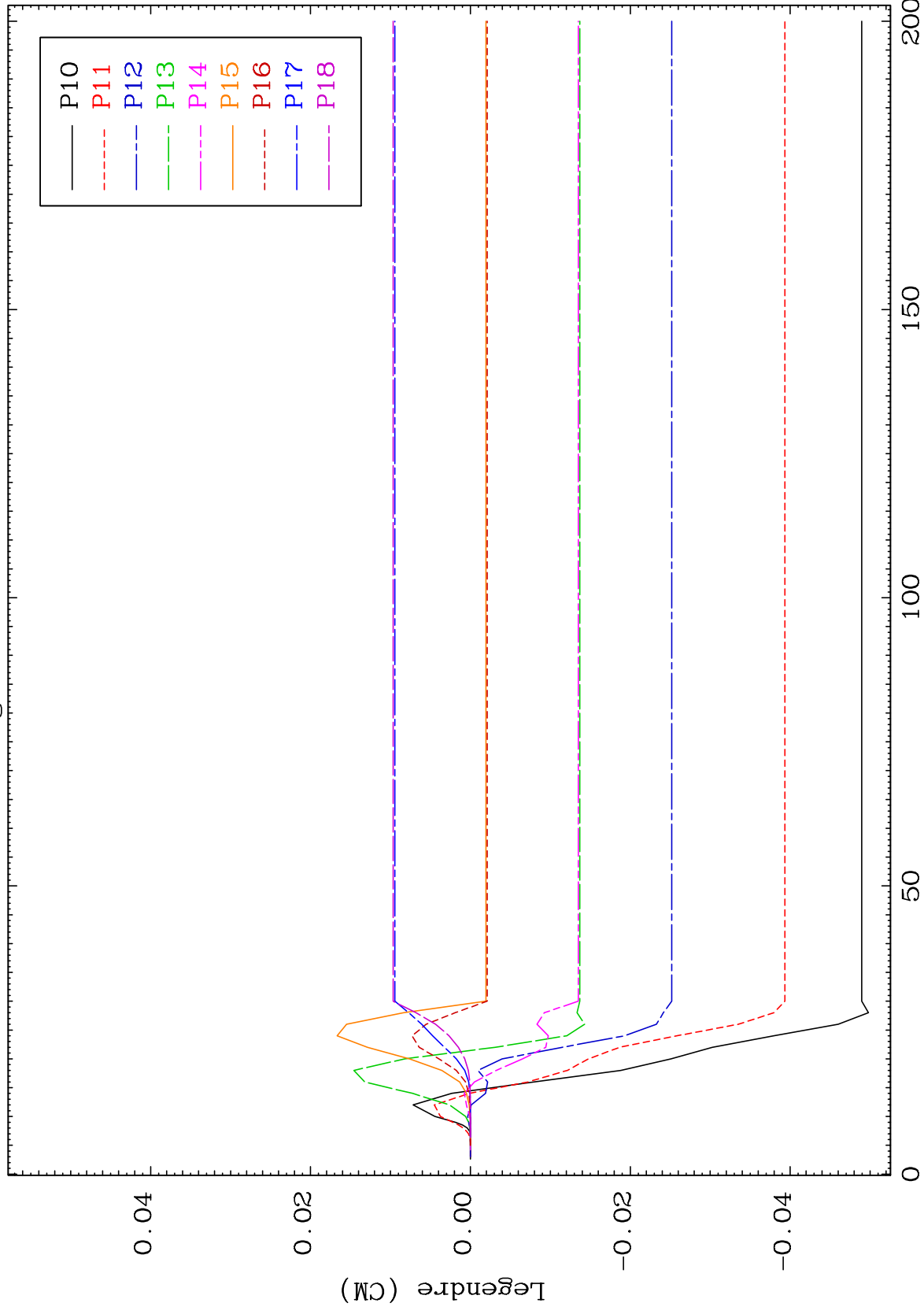
Incident Energy (MeV)

0

MAT 4861

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

48-Cd-118



46

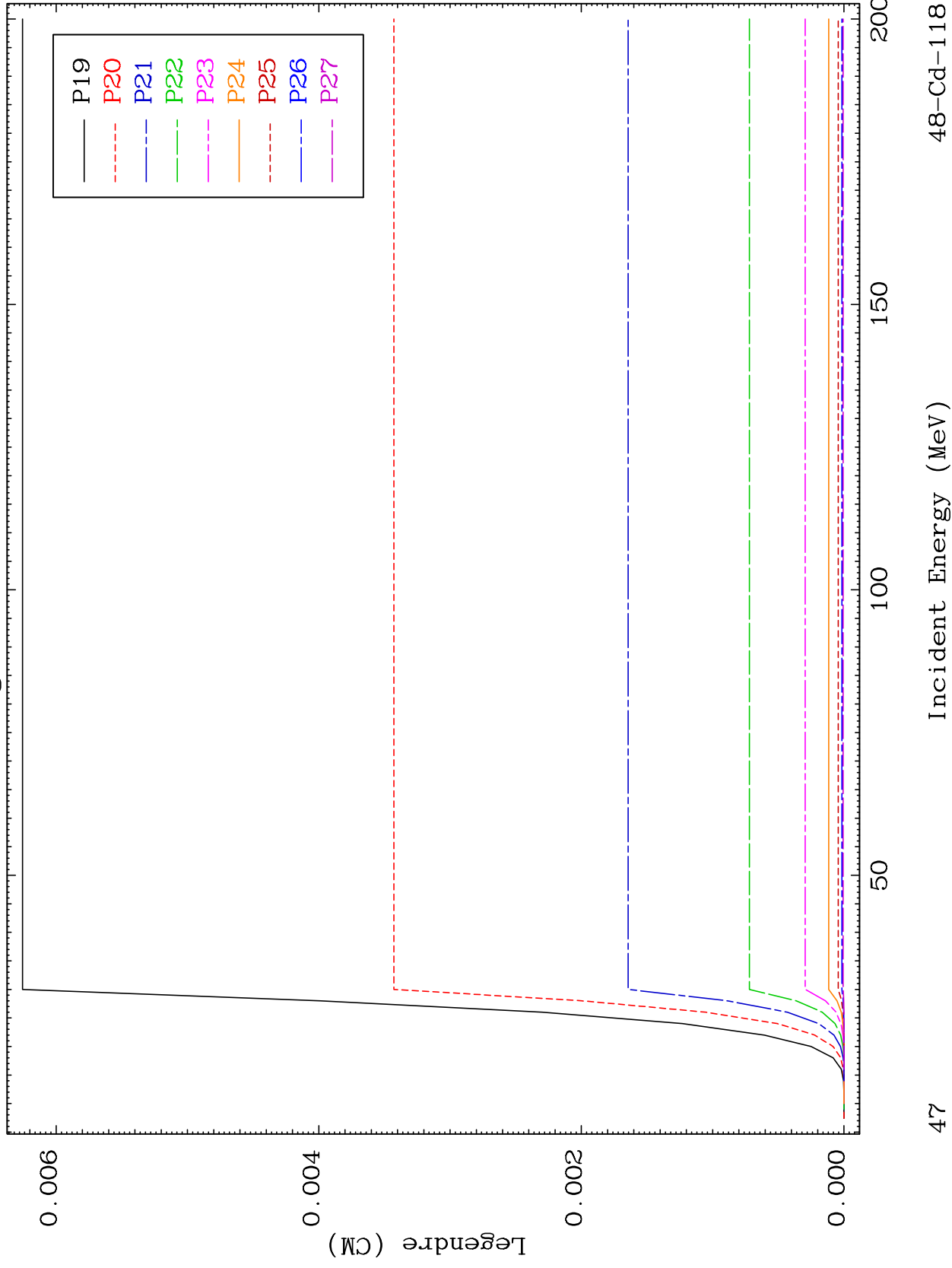
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



47

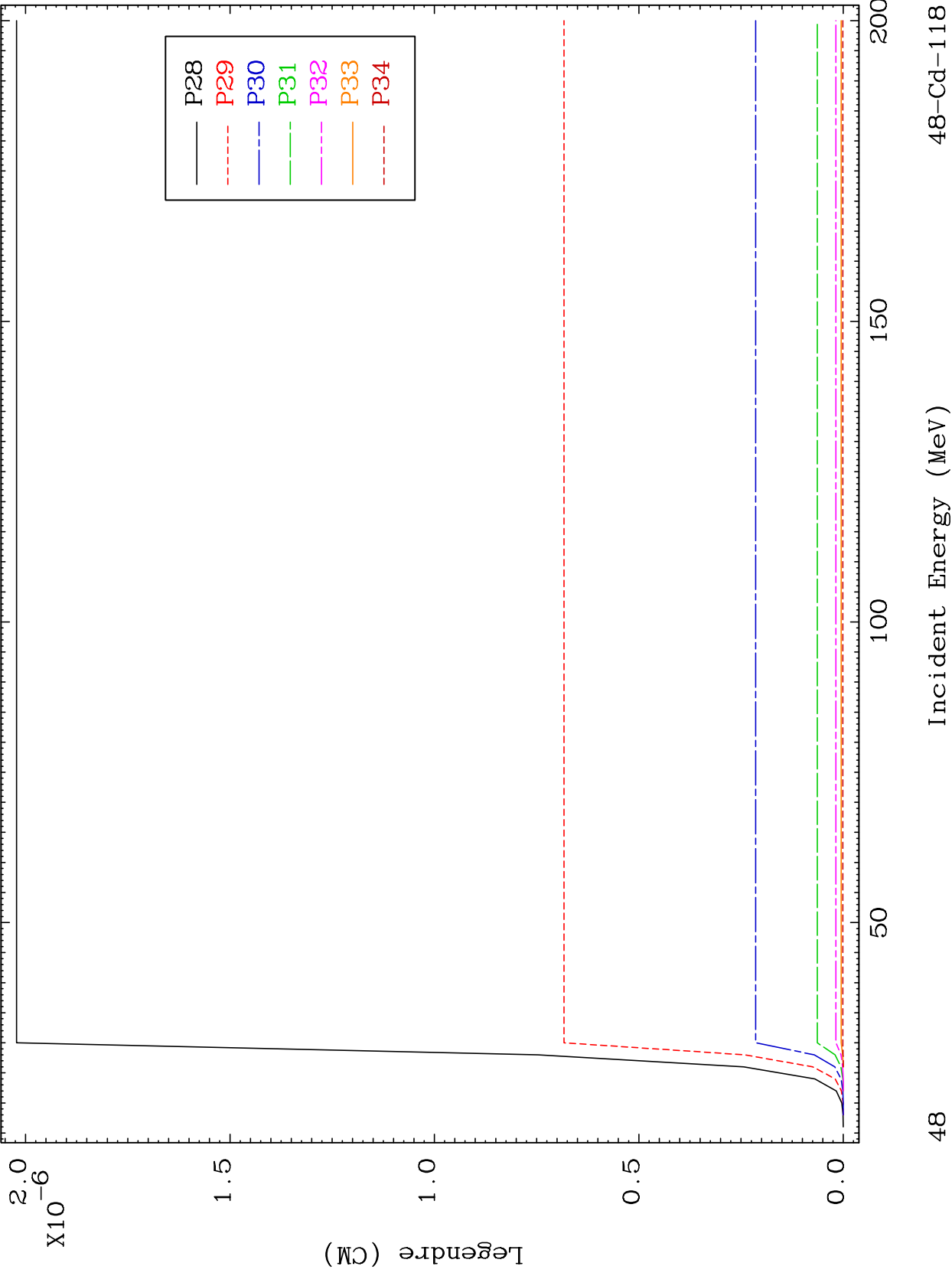
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



48

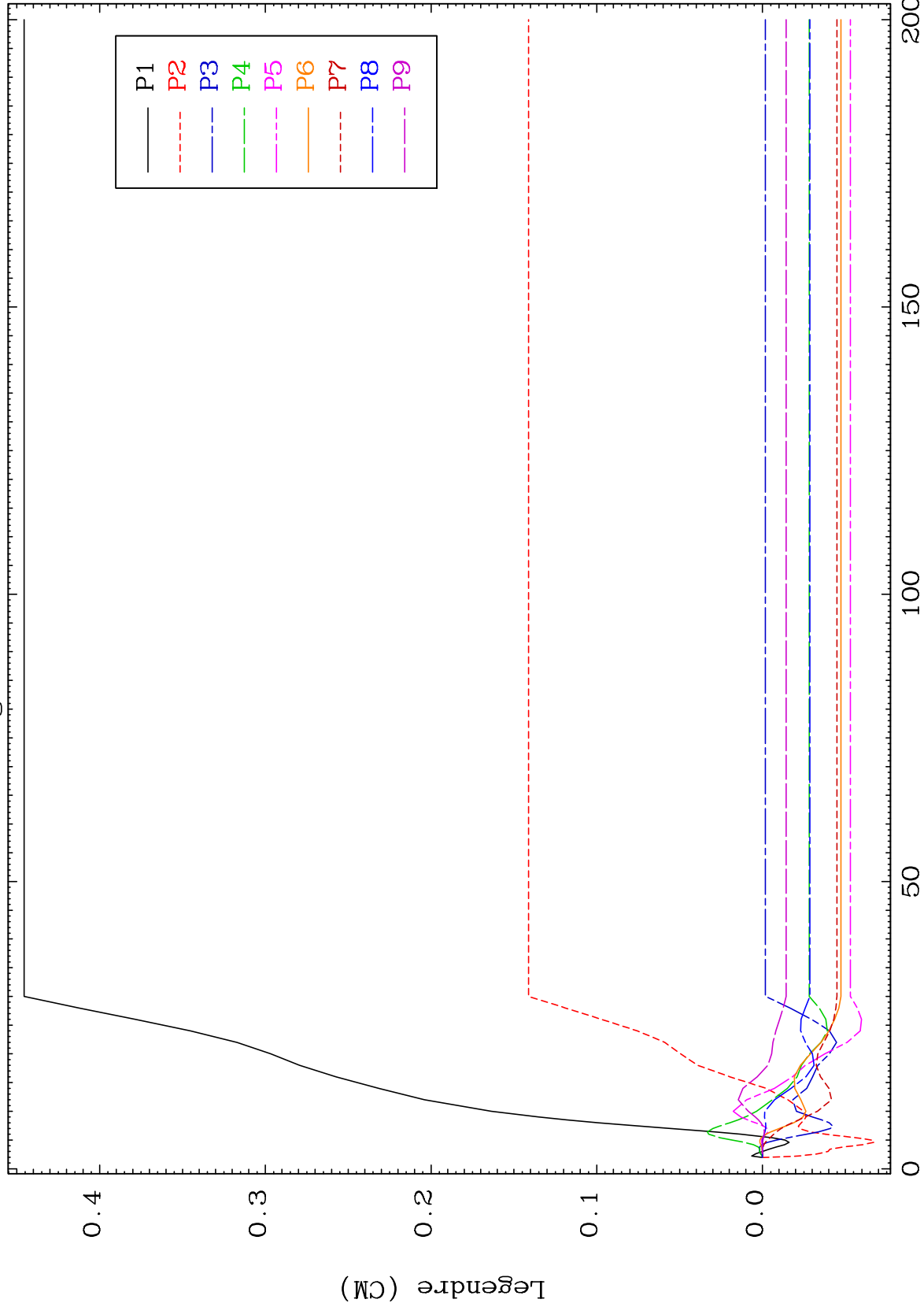
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



49

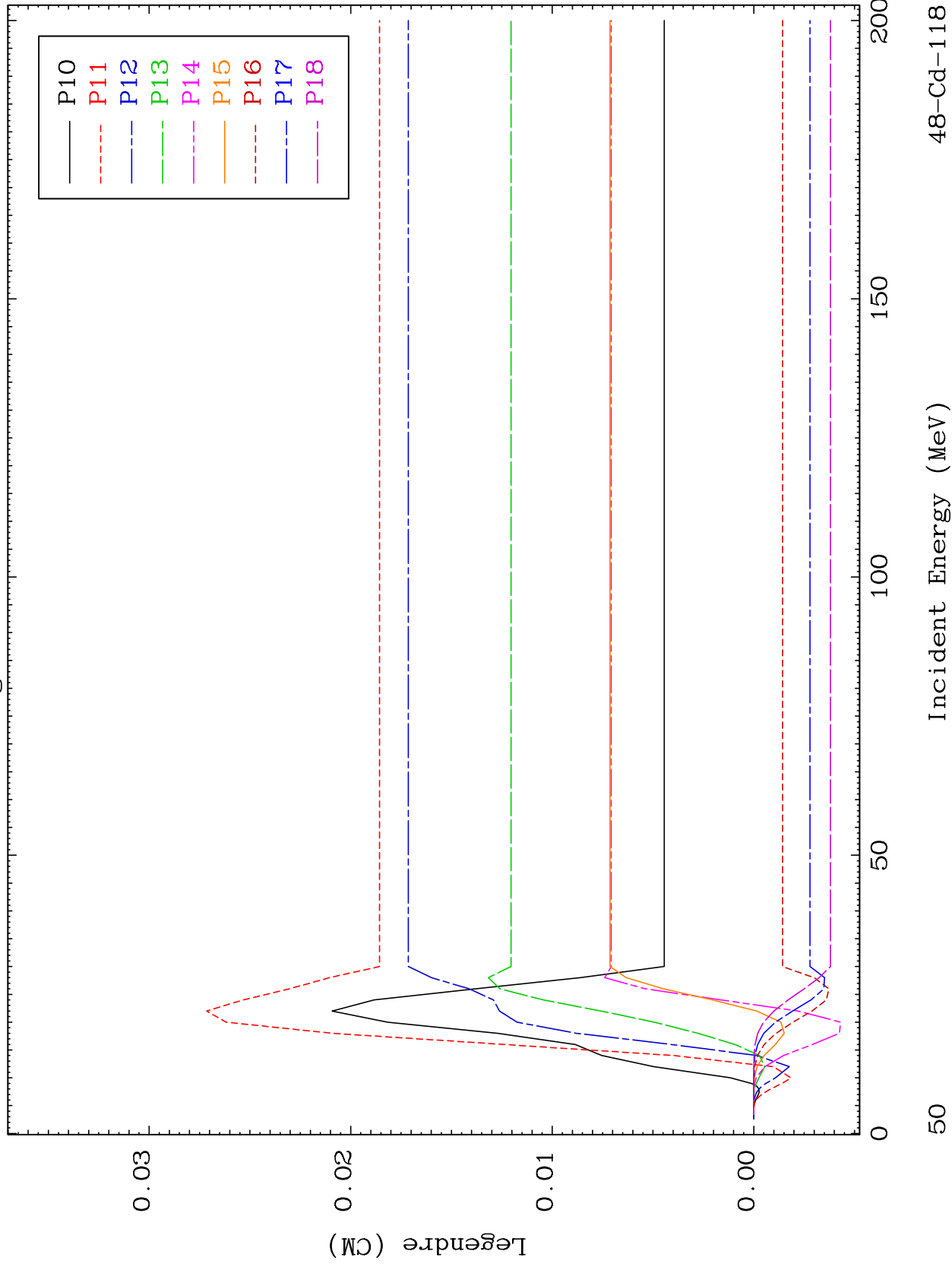
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

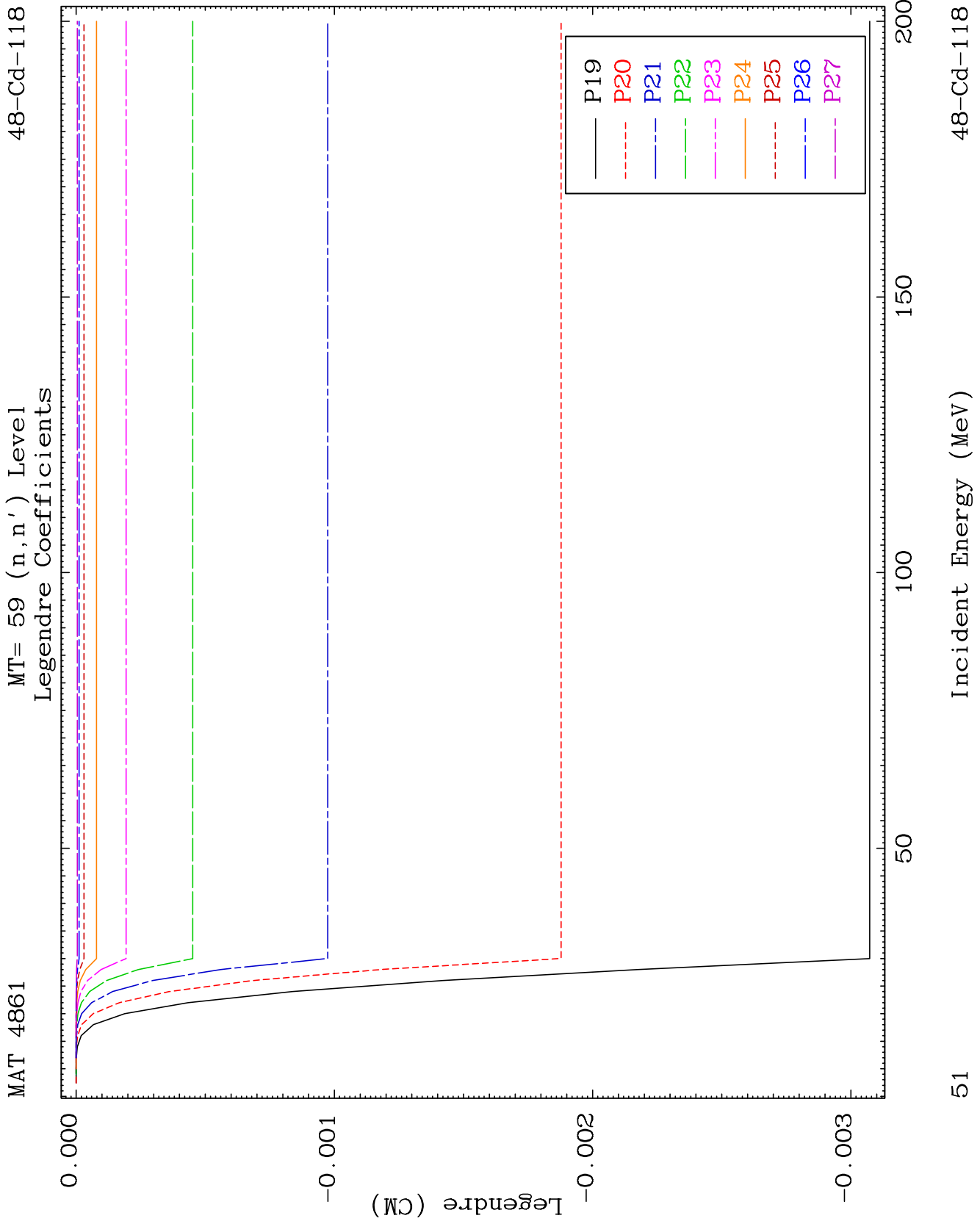
48-Cd-118

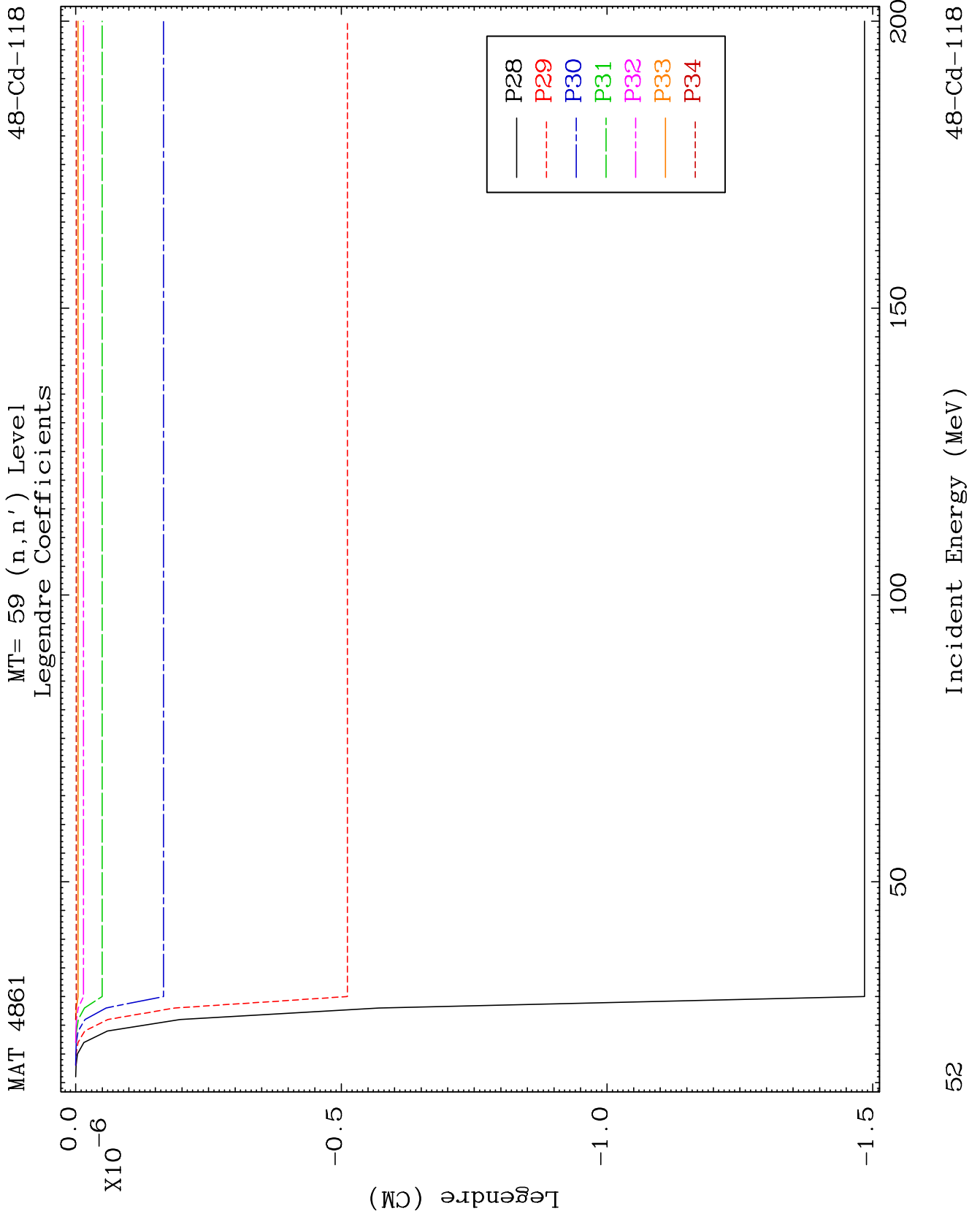


48-Cd-118

Incident Energy (MeV)

50

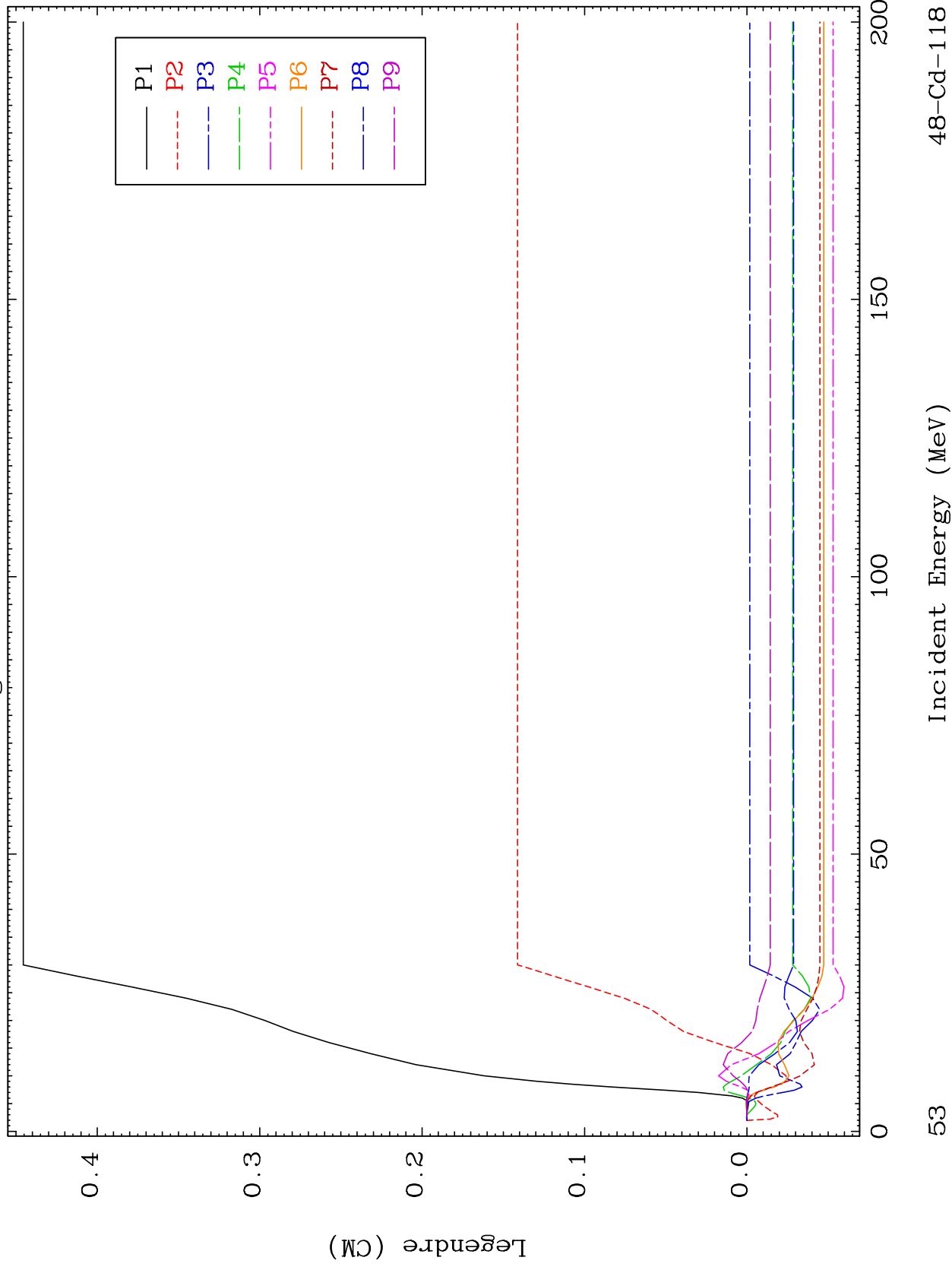




MAT 4861

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

48-Cd-118



48-Cd-118

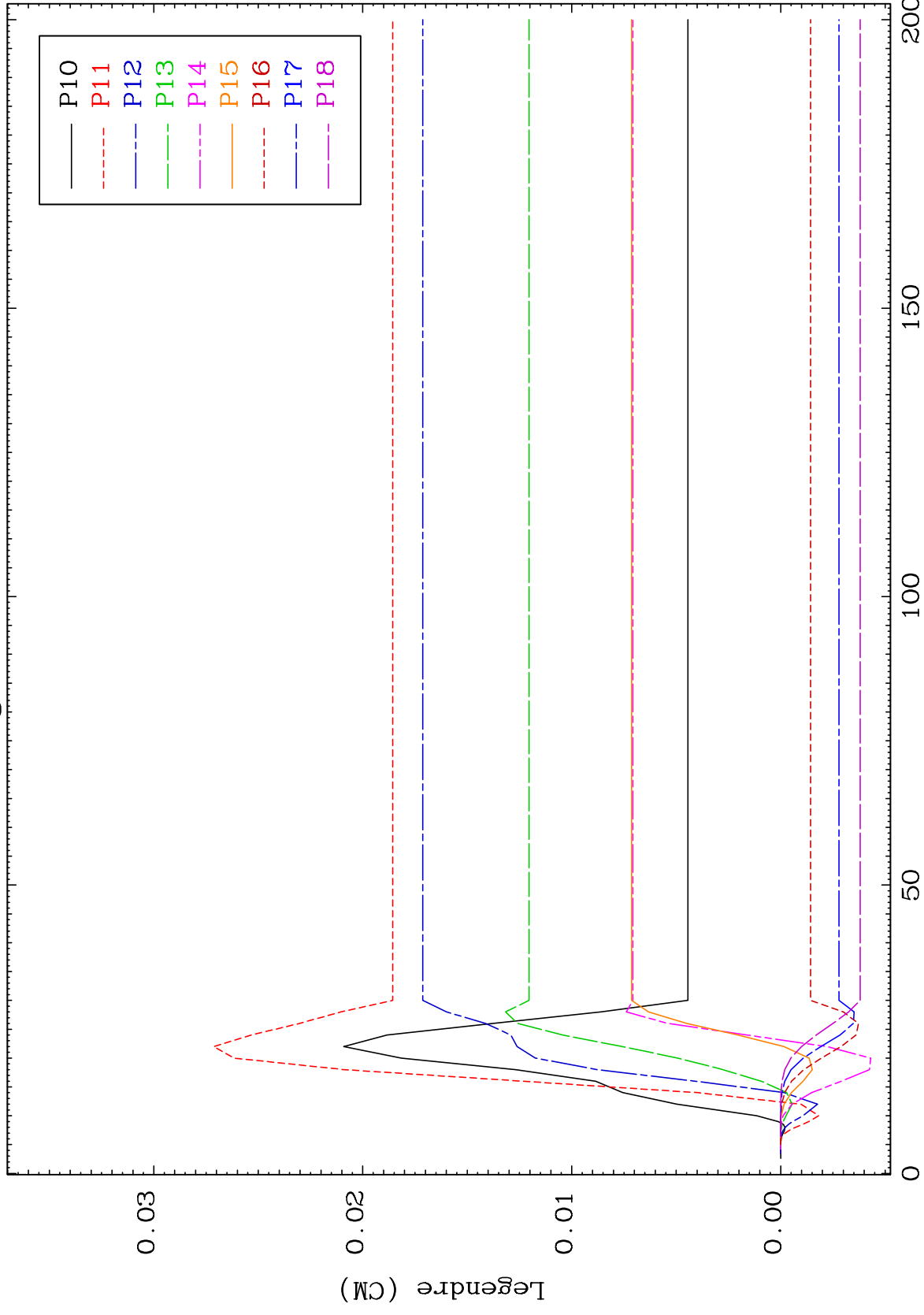
Incident Energy (MeV)

53

MAT 4861

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

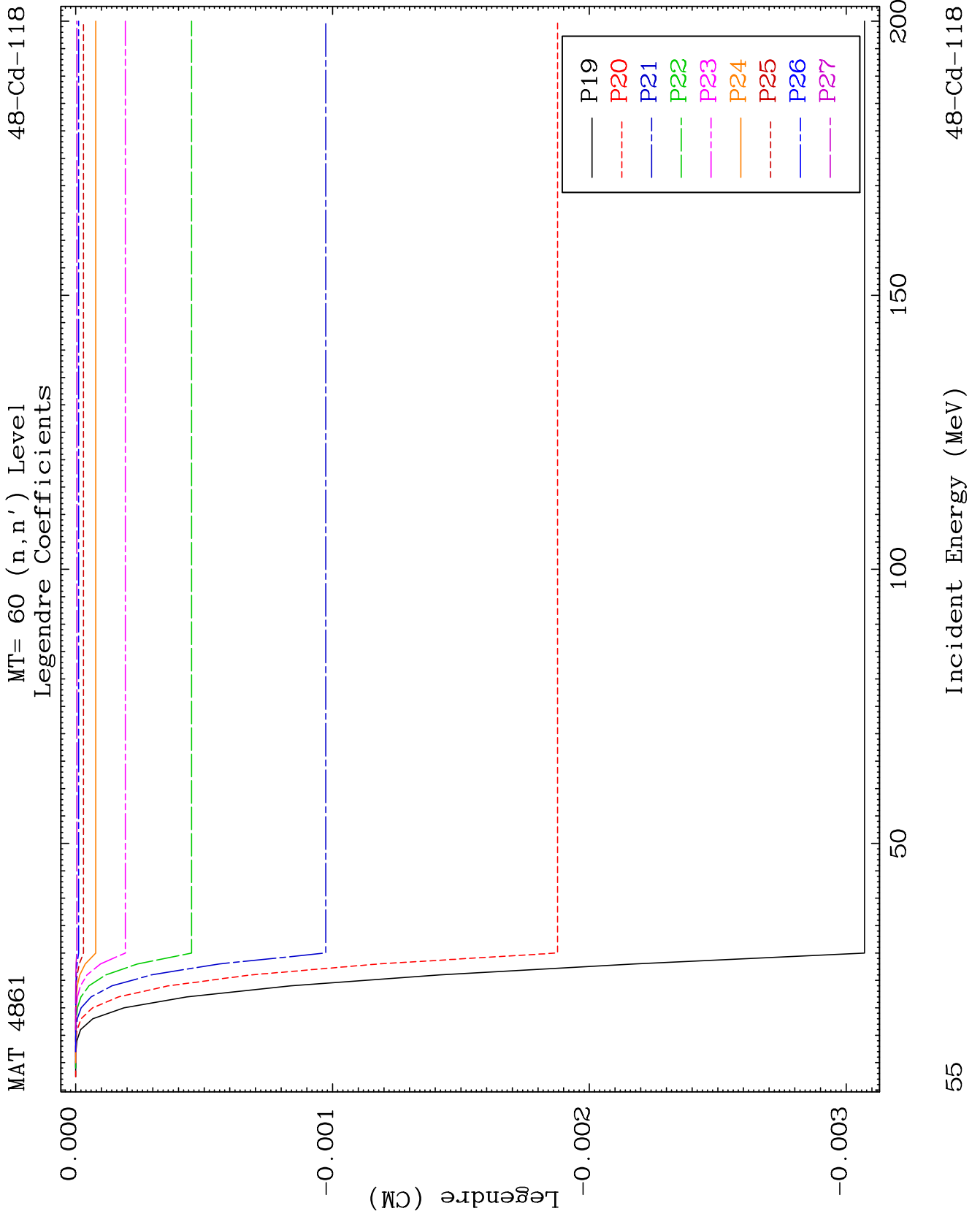
48-Cd-118

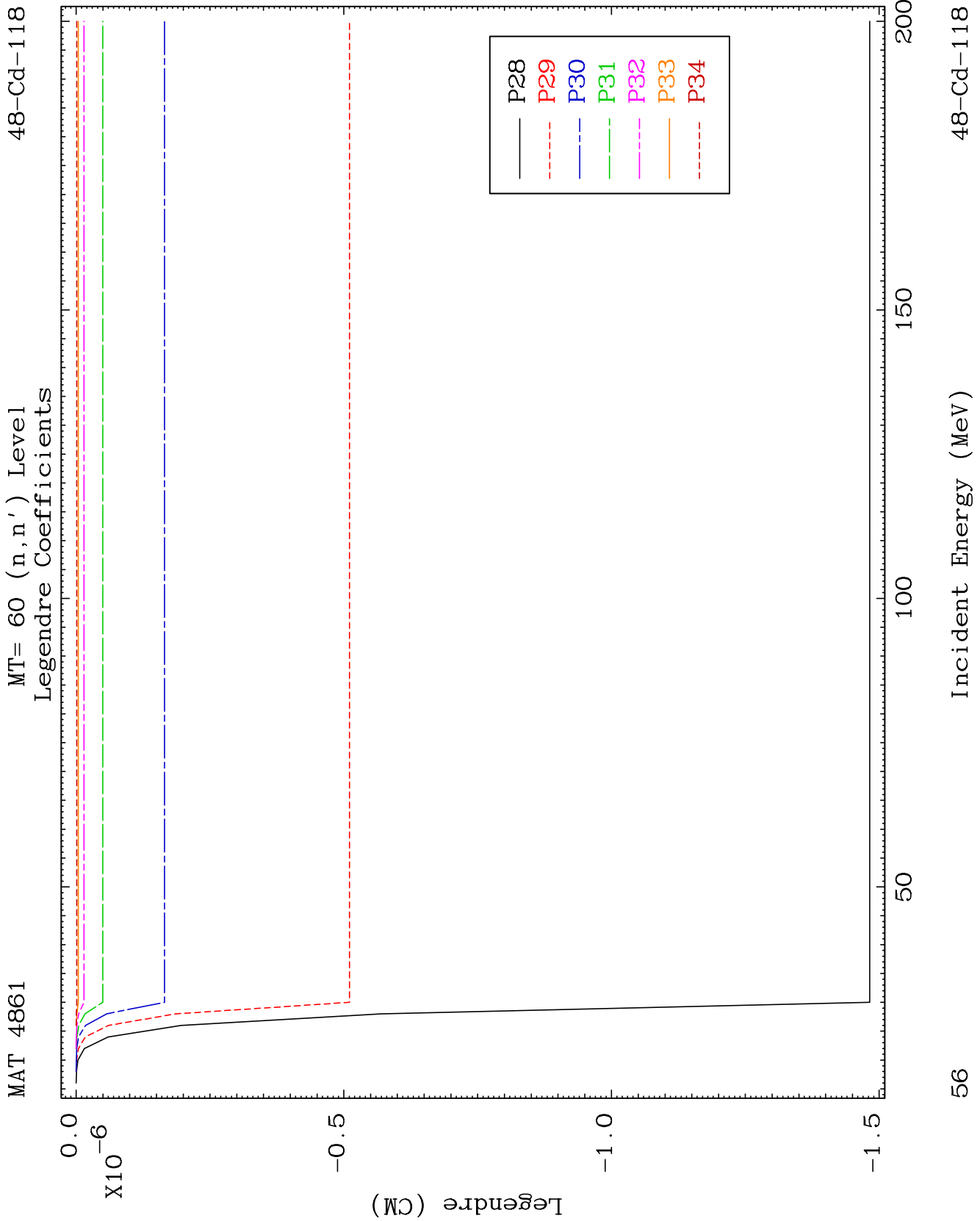


54

Incident Energy (MeV)

48-Cd-118

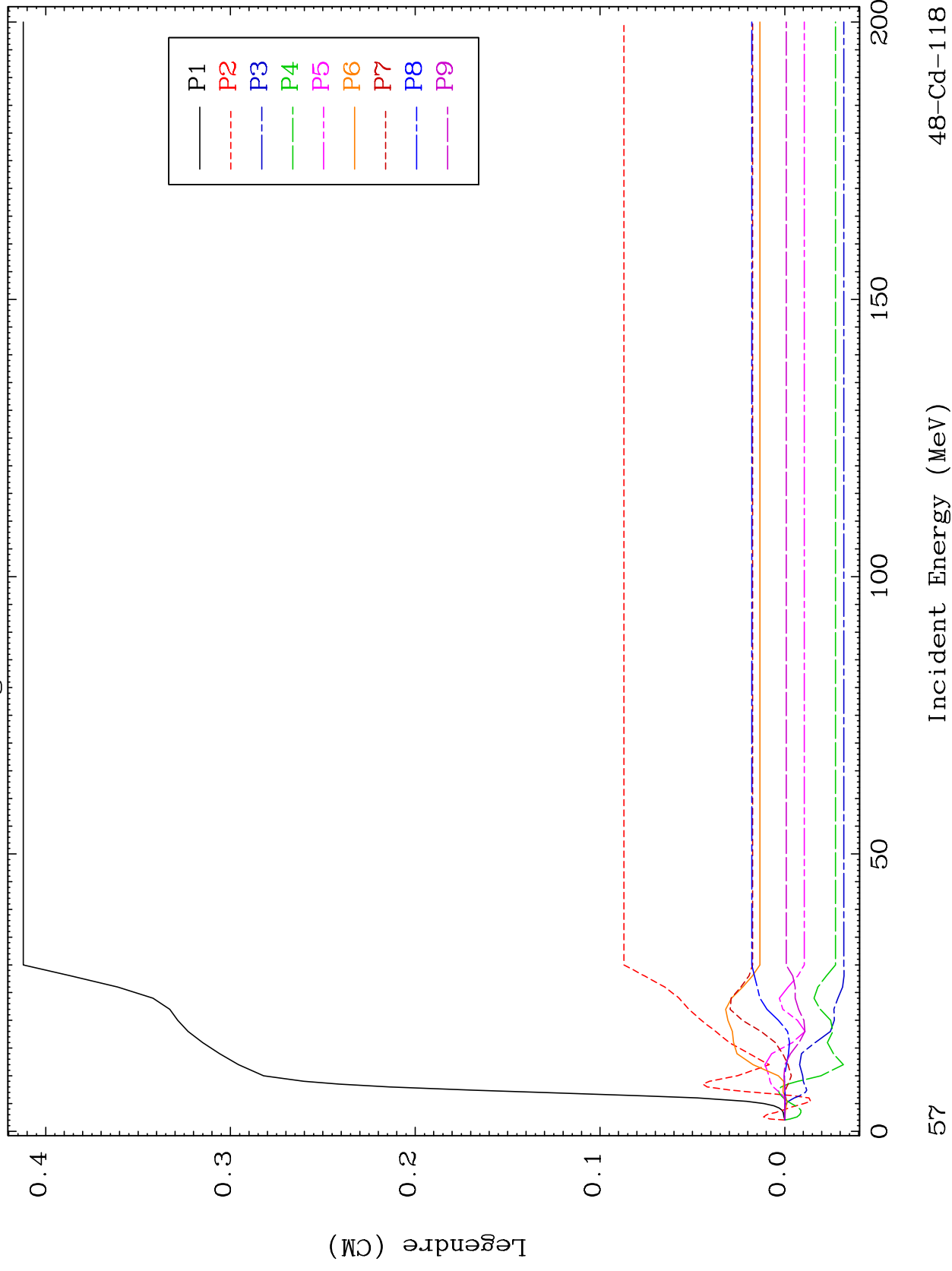




MAT 4861

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

48-Cd-118



48-Cd-118

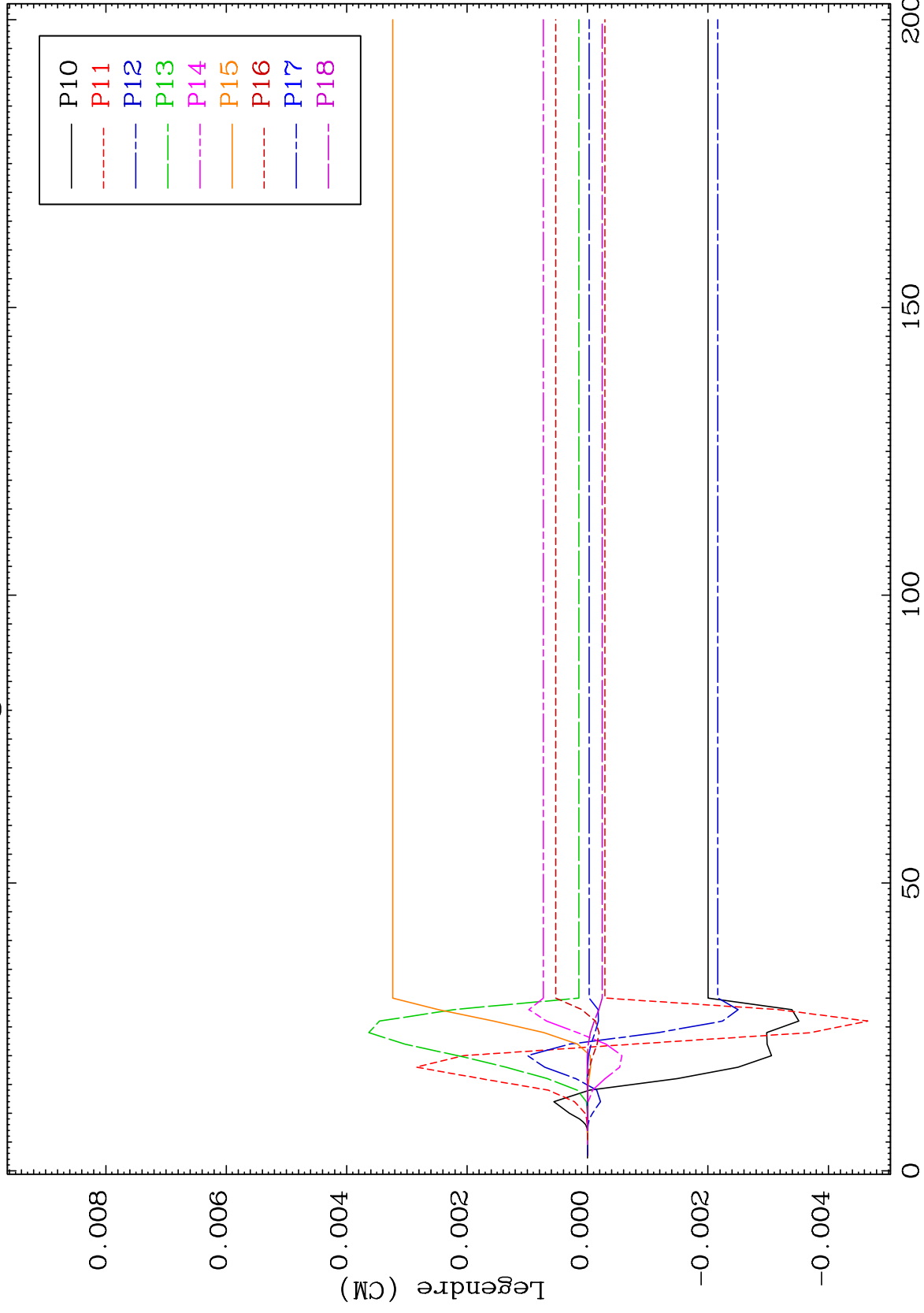
Incident Energy (MeV)

57

MAT 4861

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

48-Cd-118



58

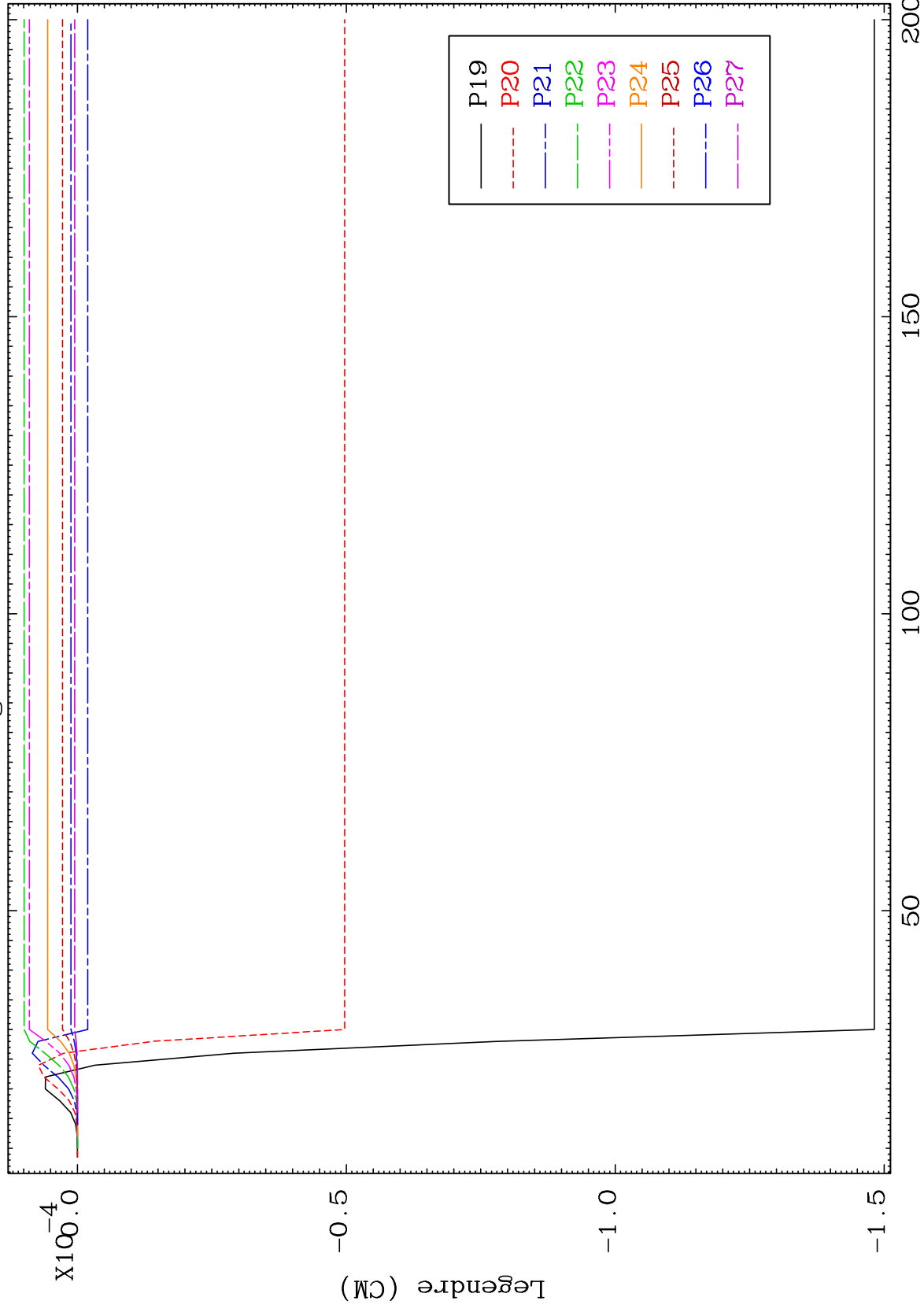
Incident Energy (MeV)

48-Cd-118

MAT 4861

48-Cd-118

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



59

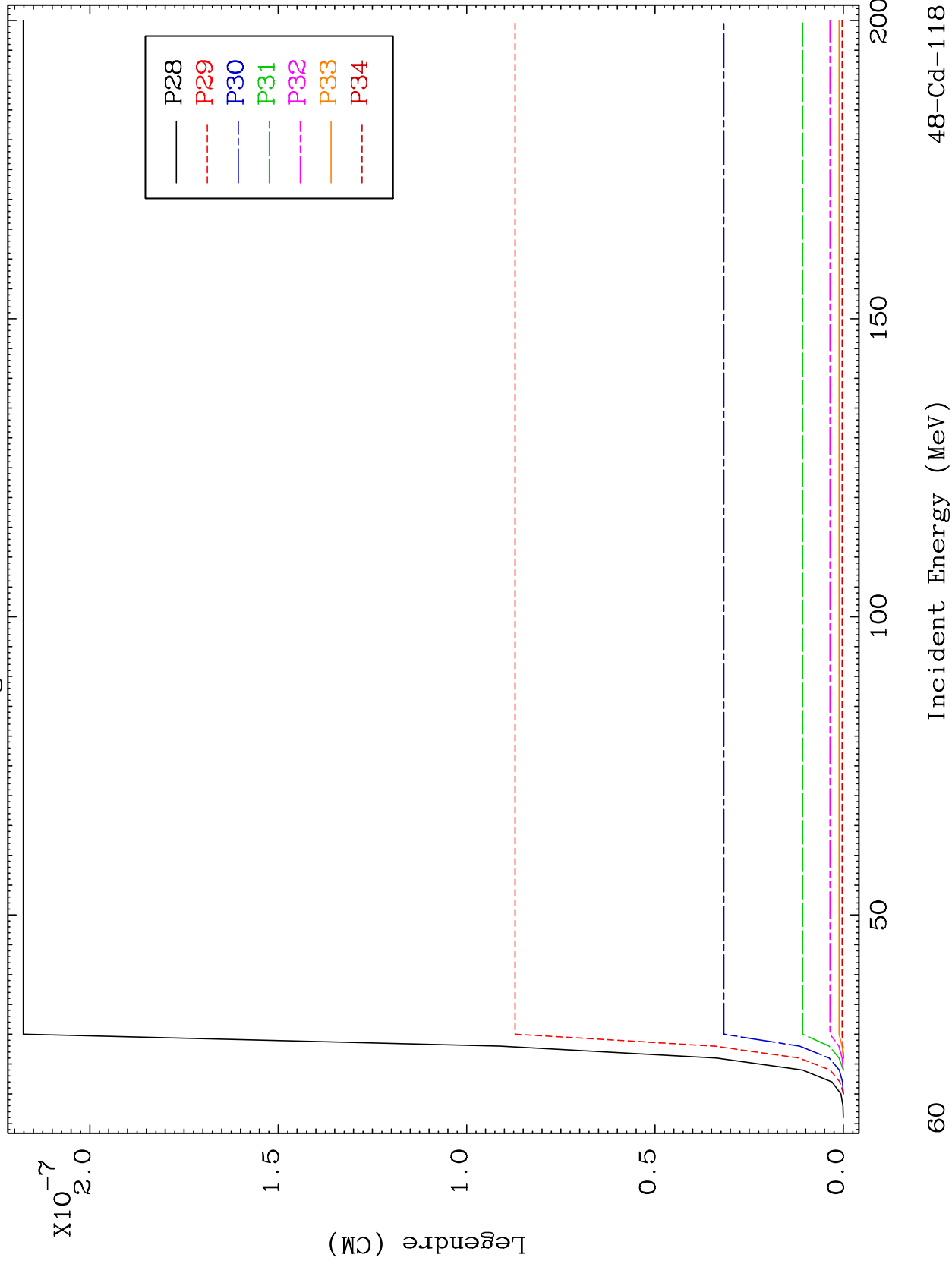
Incident Energy (MeV)

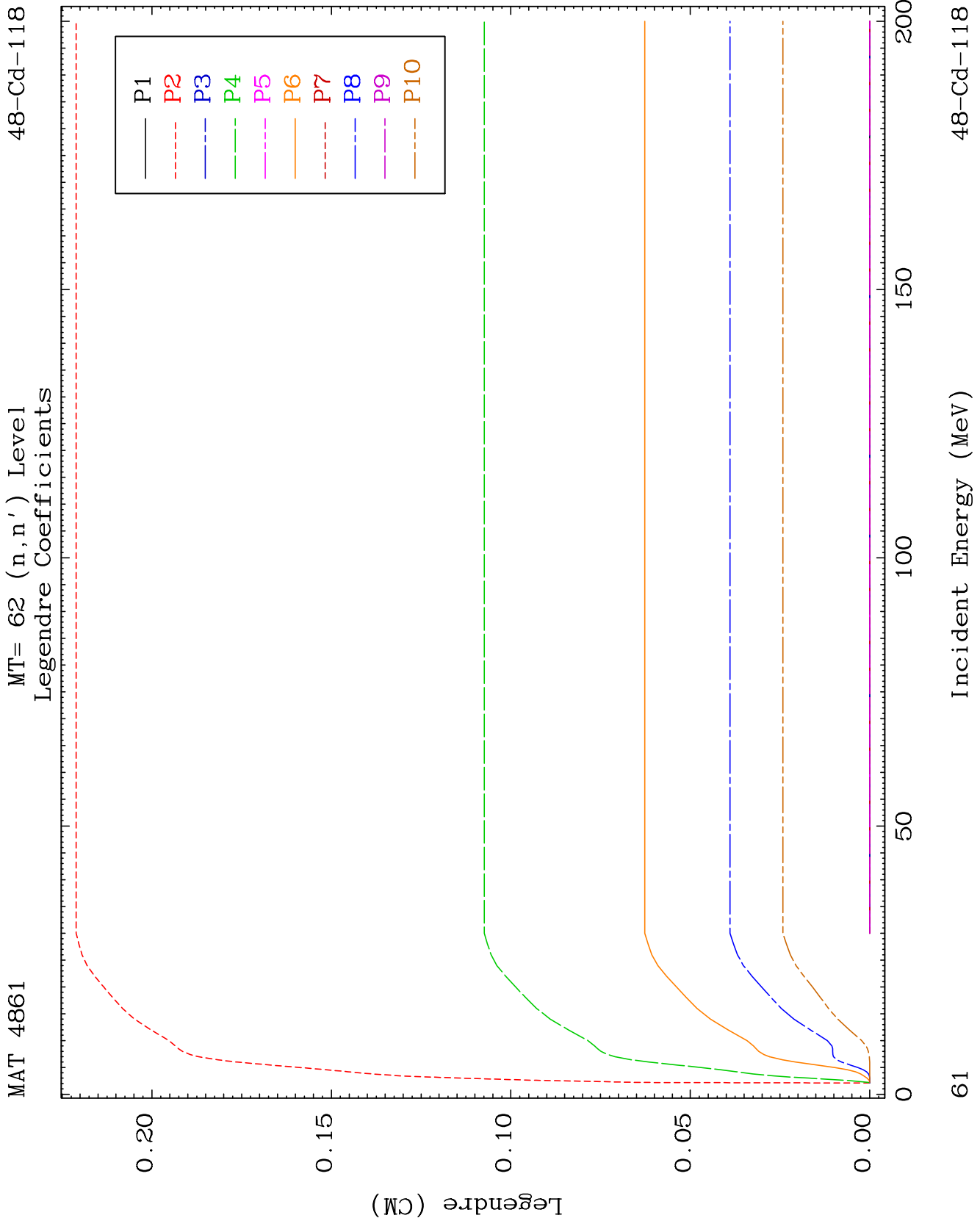
48-Cd-118

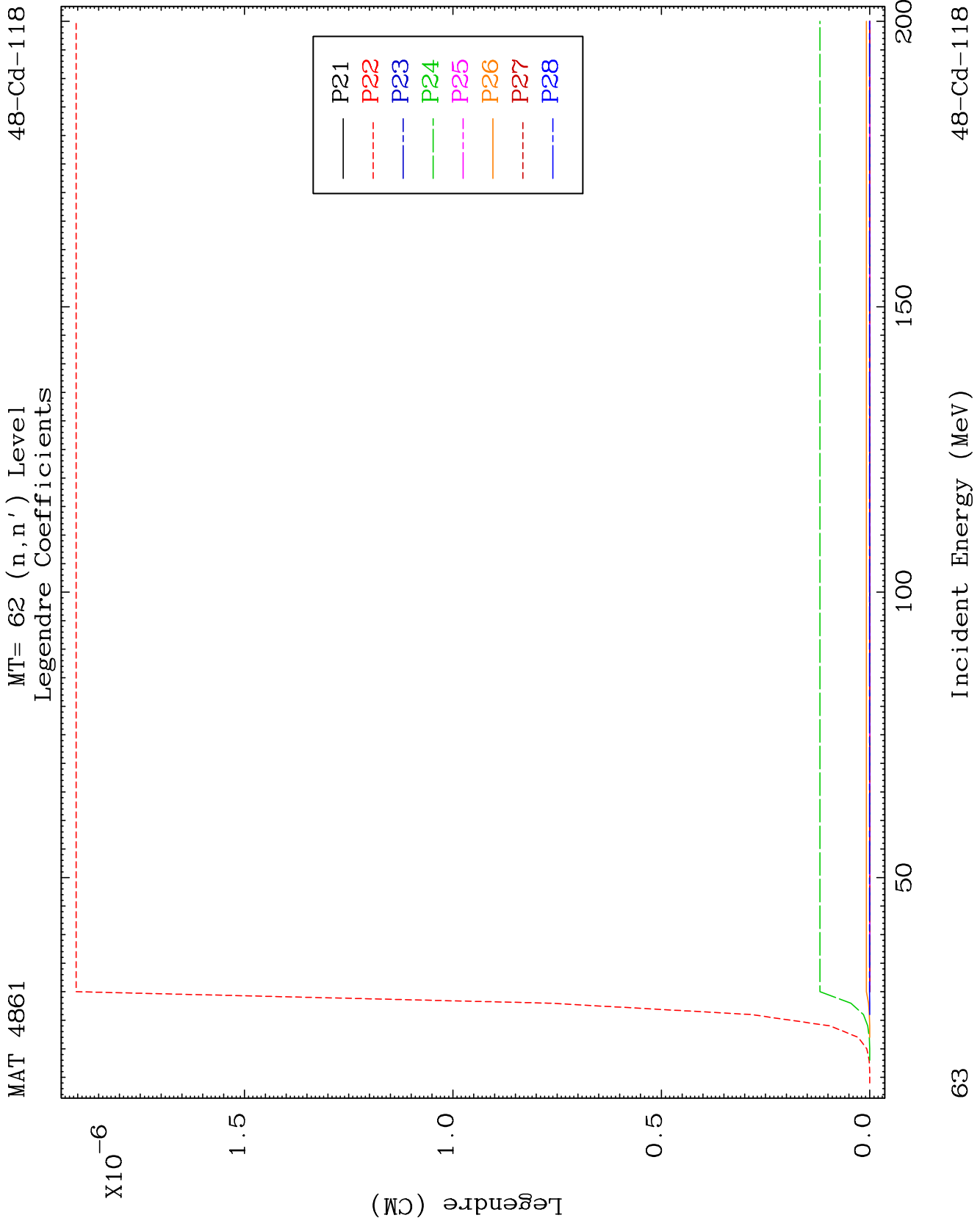
MAT 4861

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

48-Cd-118



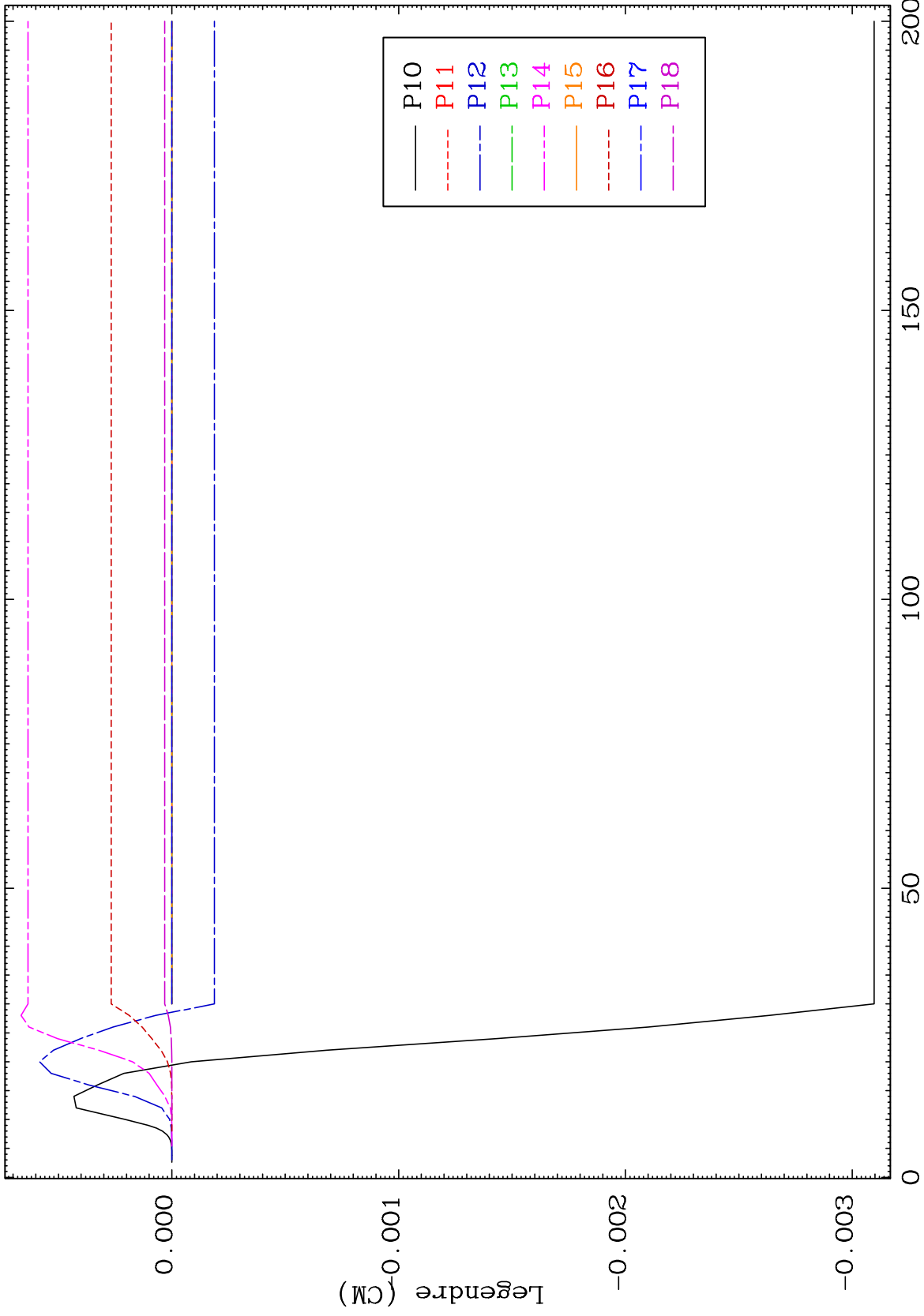




MAT 4861

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

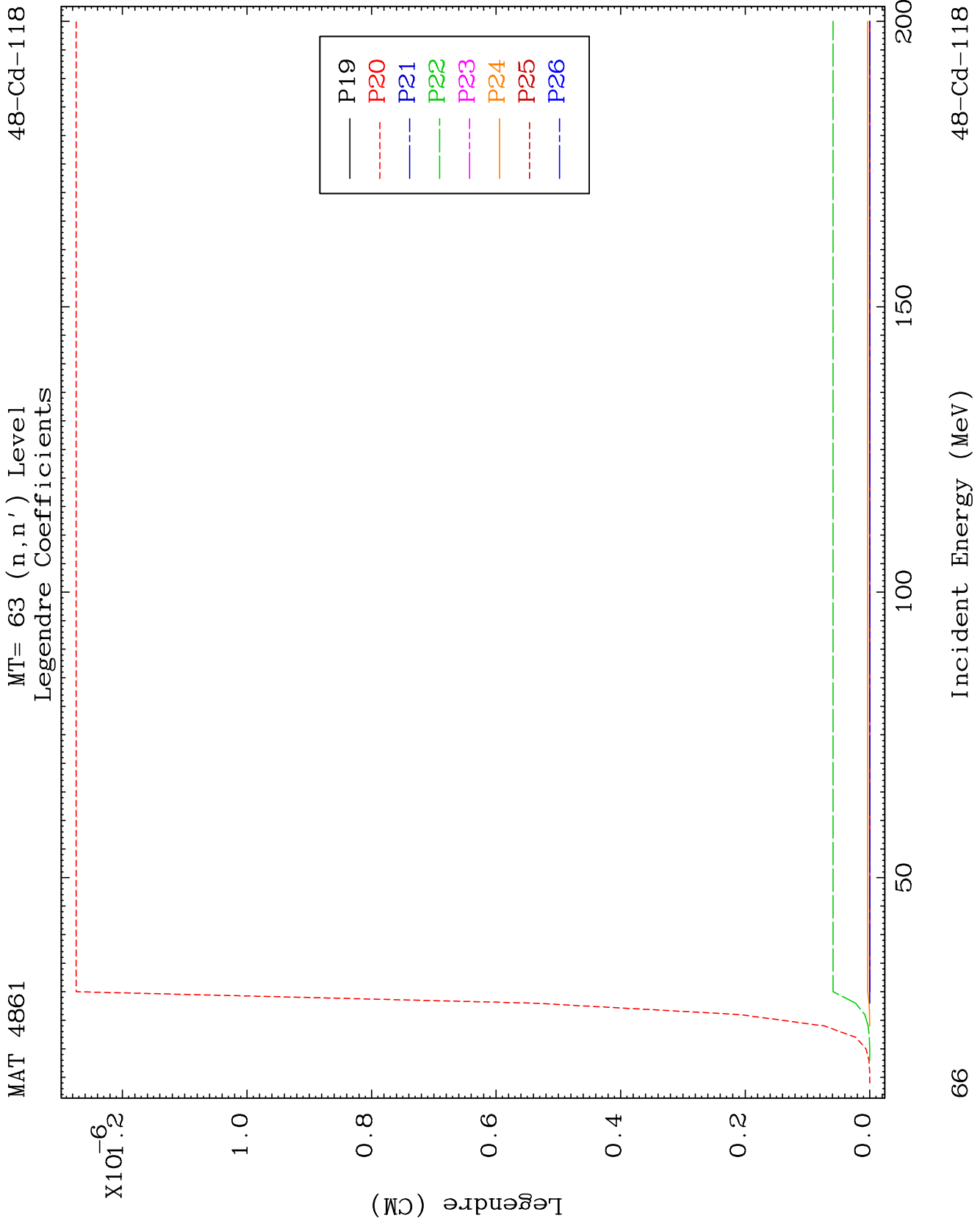
48-Cd-118



65

Incident Energy (MeV)

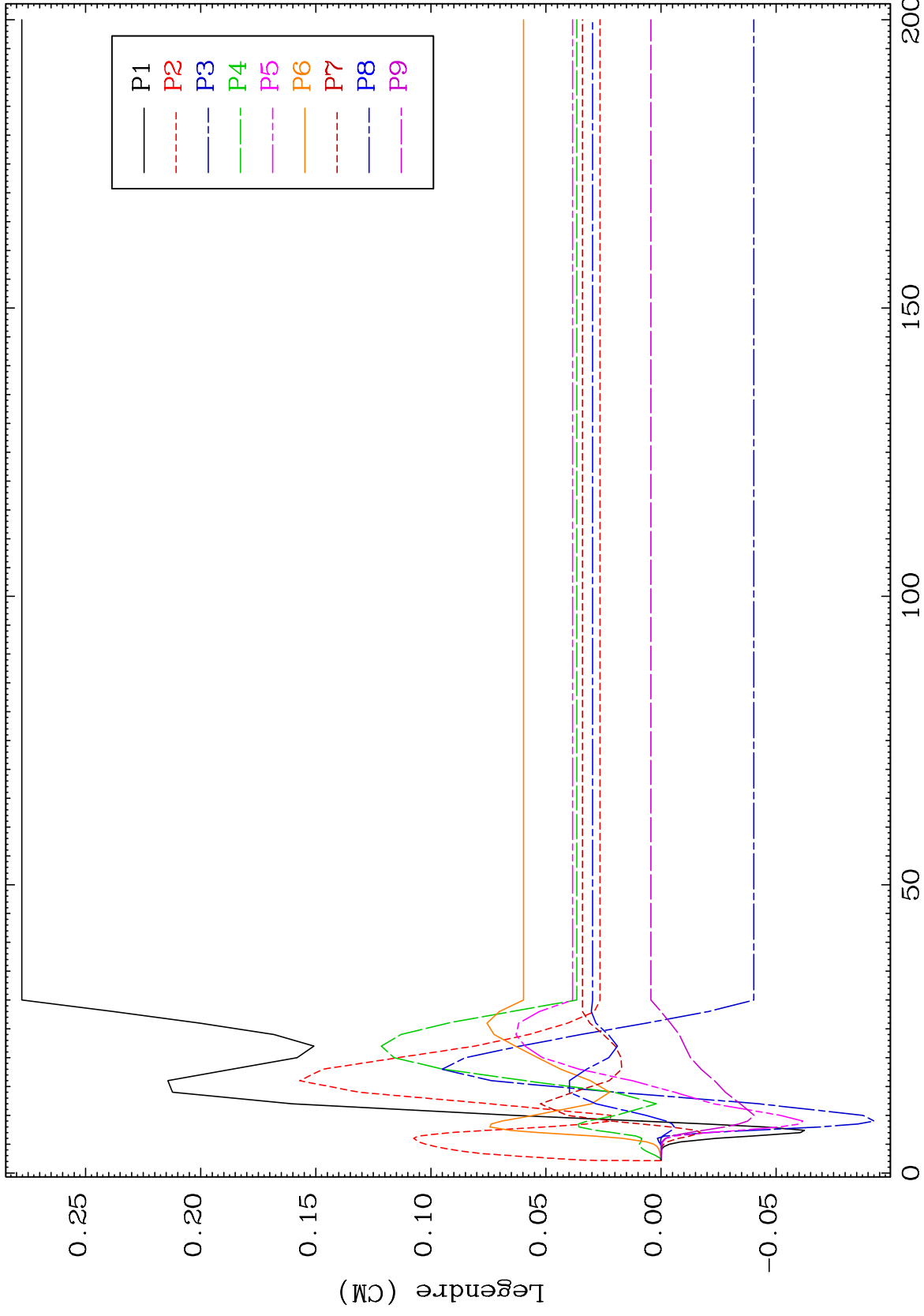
48-Cd-118



MAT 4861

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

48-Cd-118



67

Incident Energy (MeV)

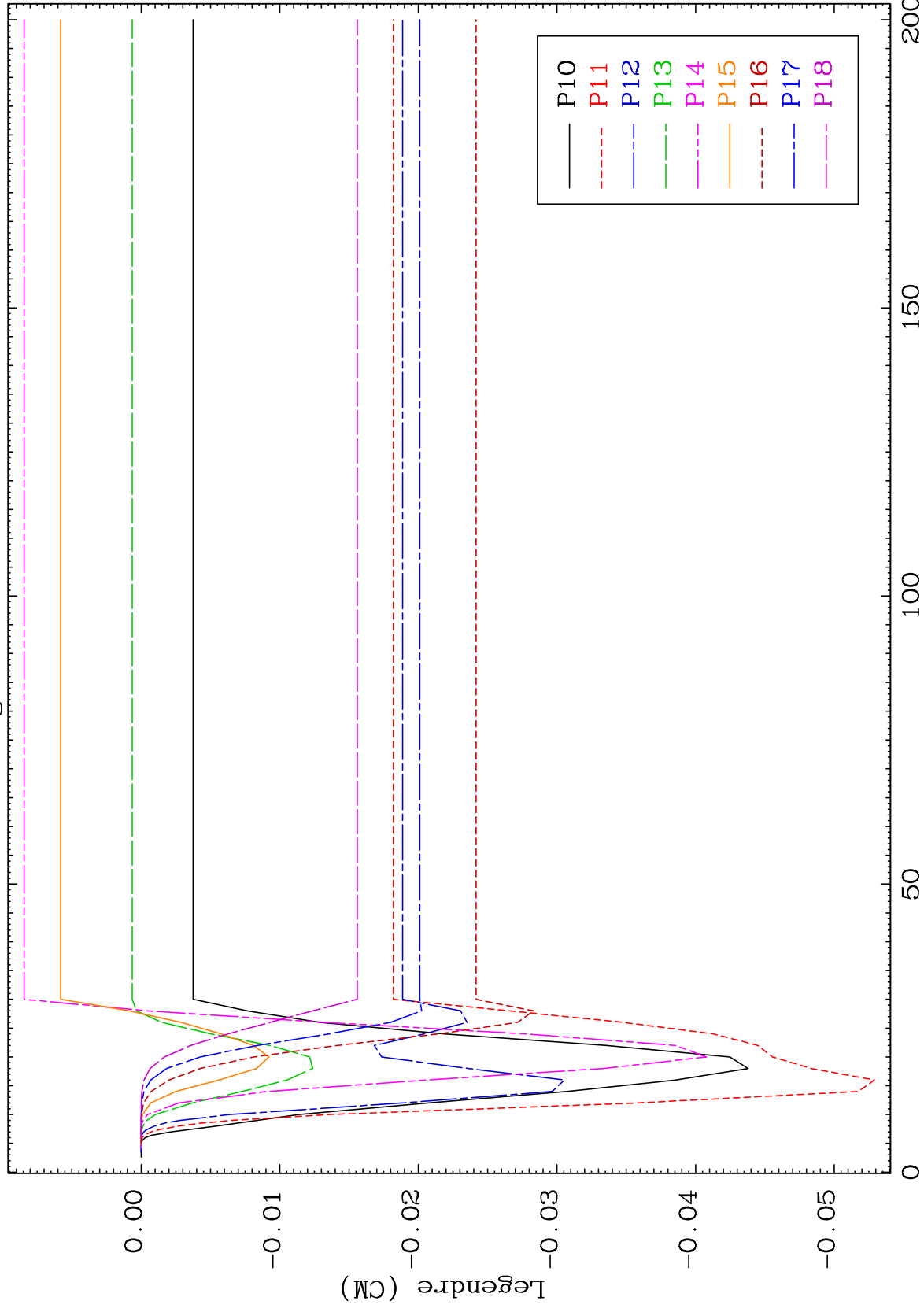
48-Cd-118

MAT 4861

MT= 64 (n,n') Level

48-Cd-118

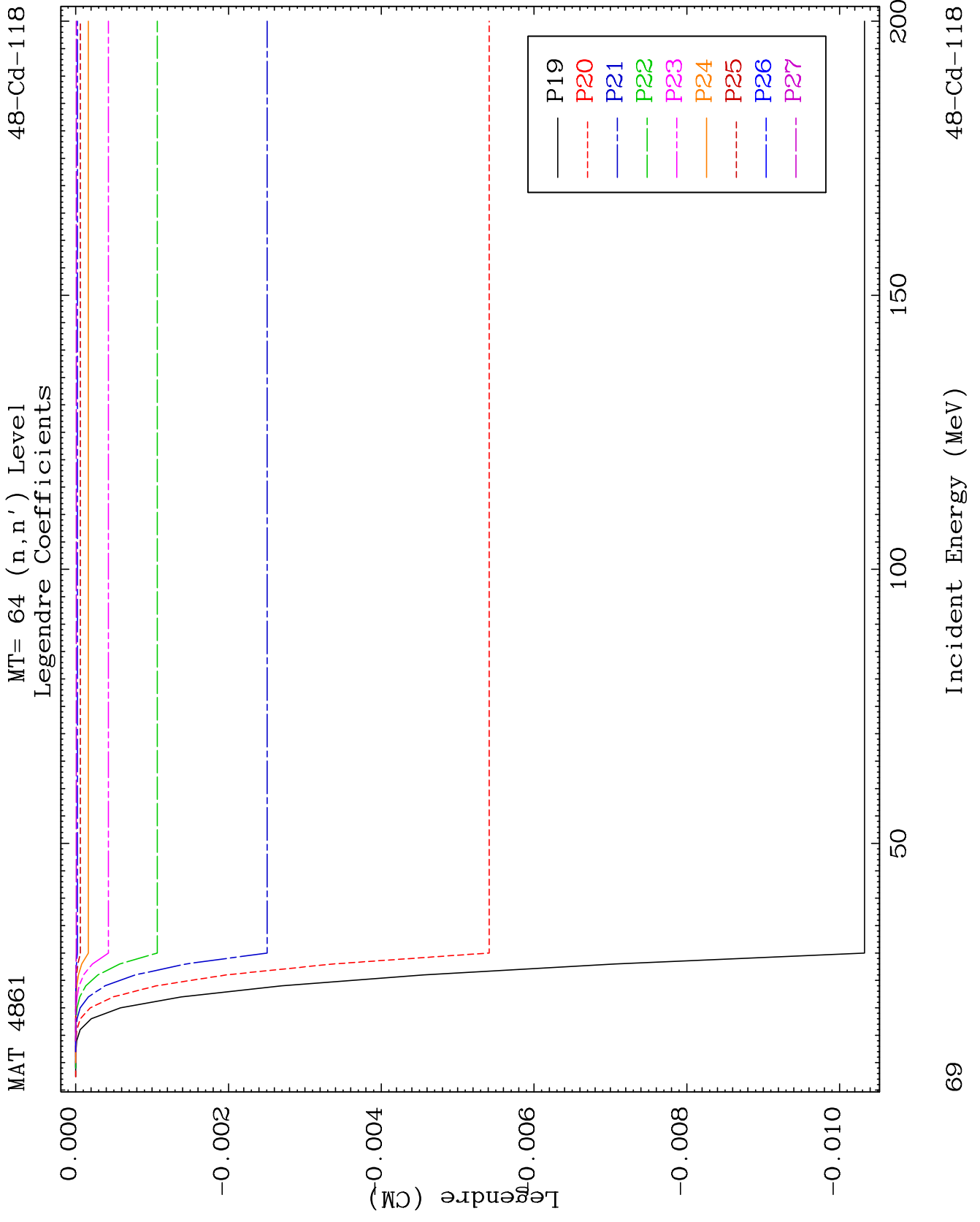
Legendre Coefficients

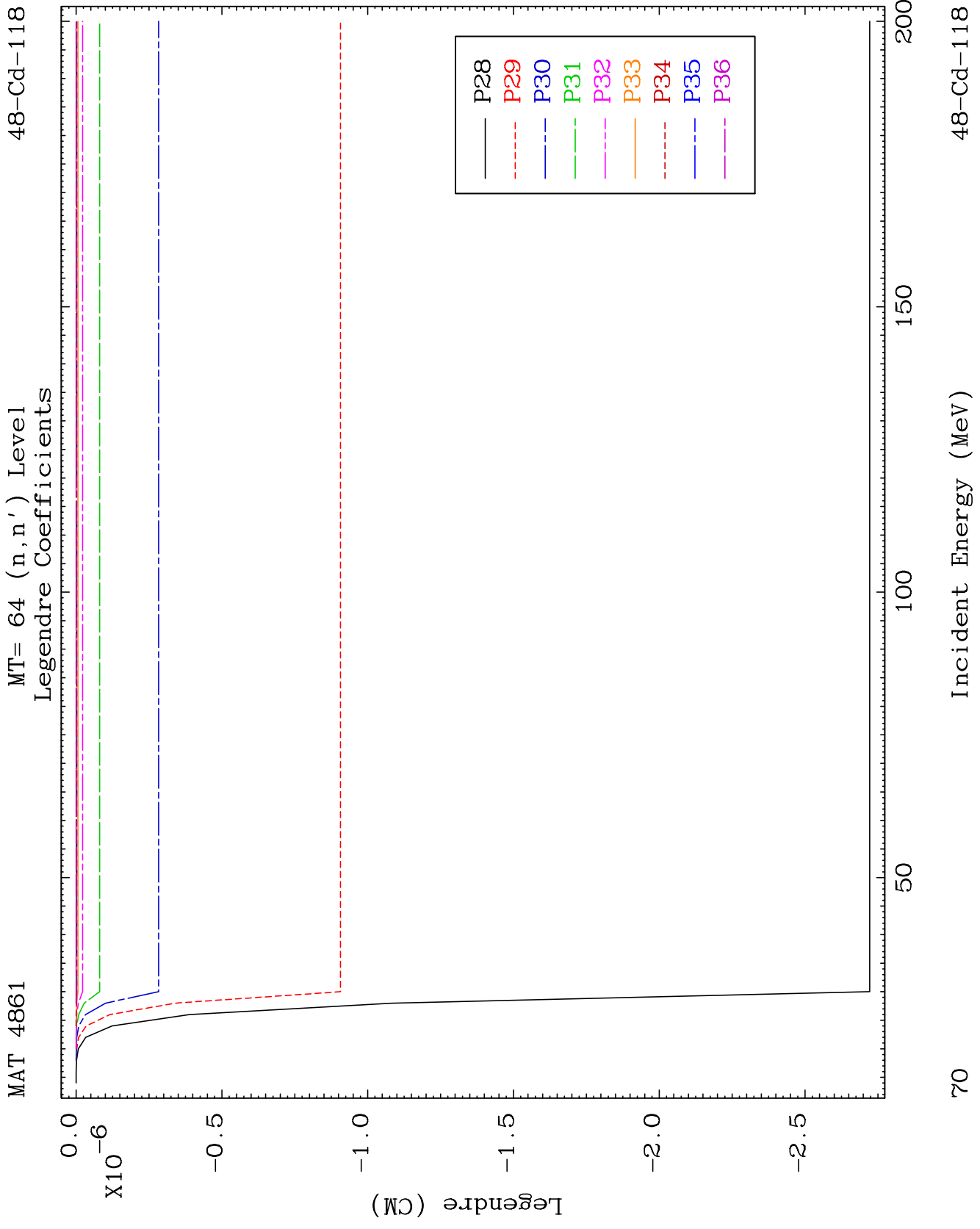


68

Incident Energy (MeV)

48-Cd-118

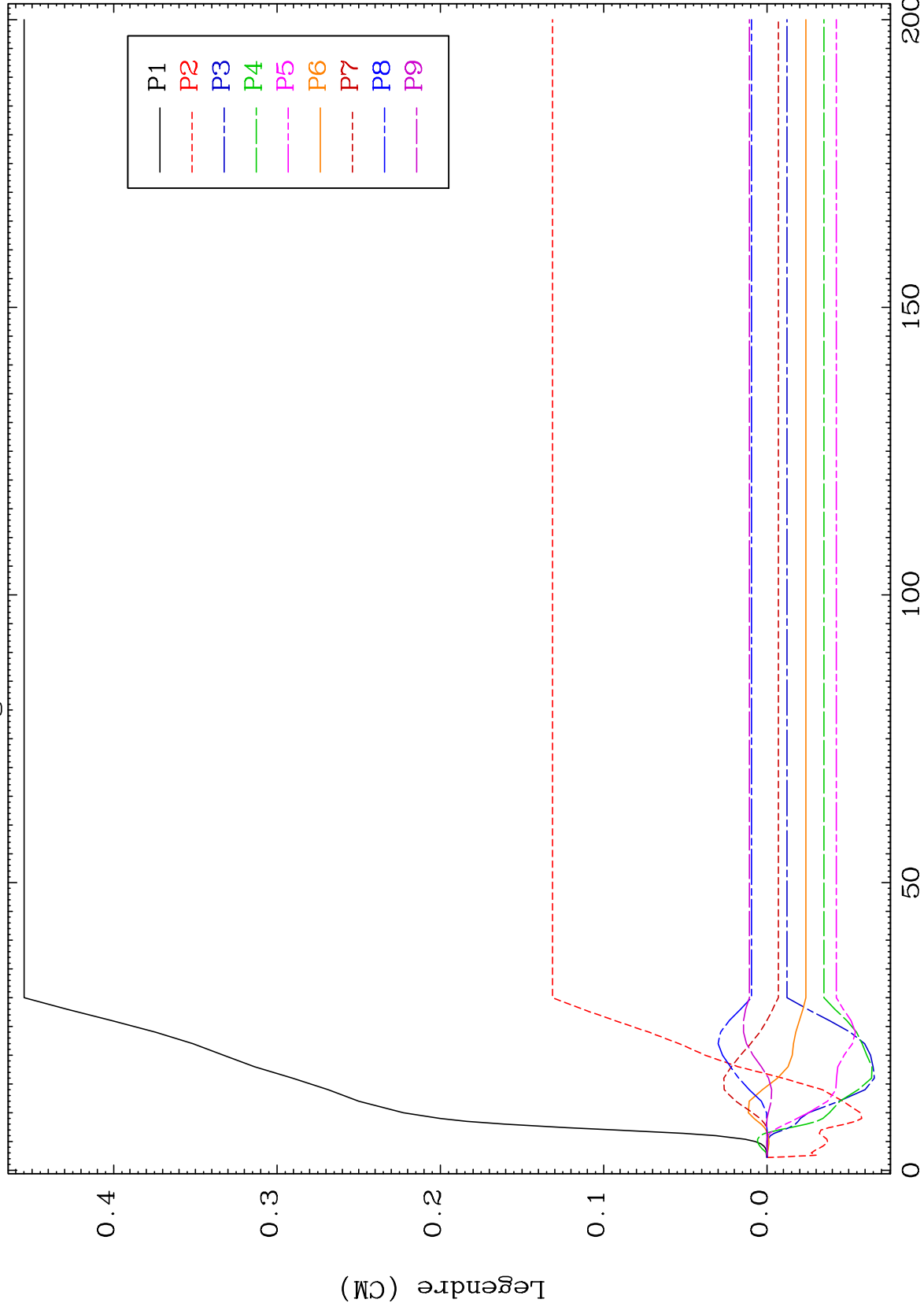




MAT 4861

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

48-Cd-118



71

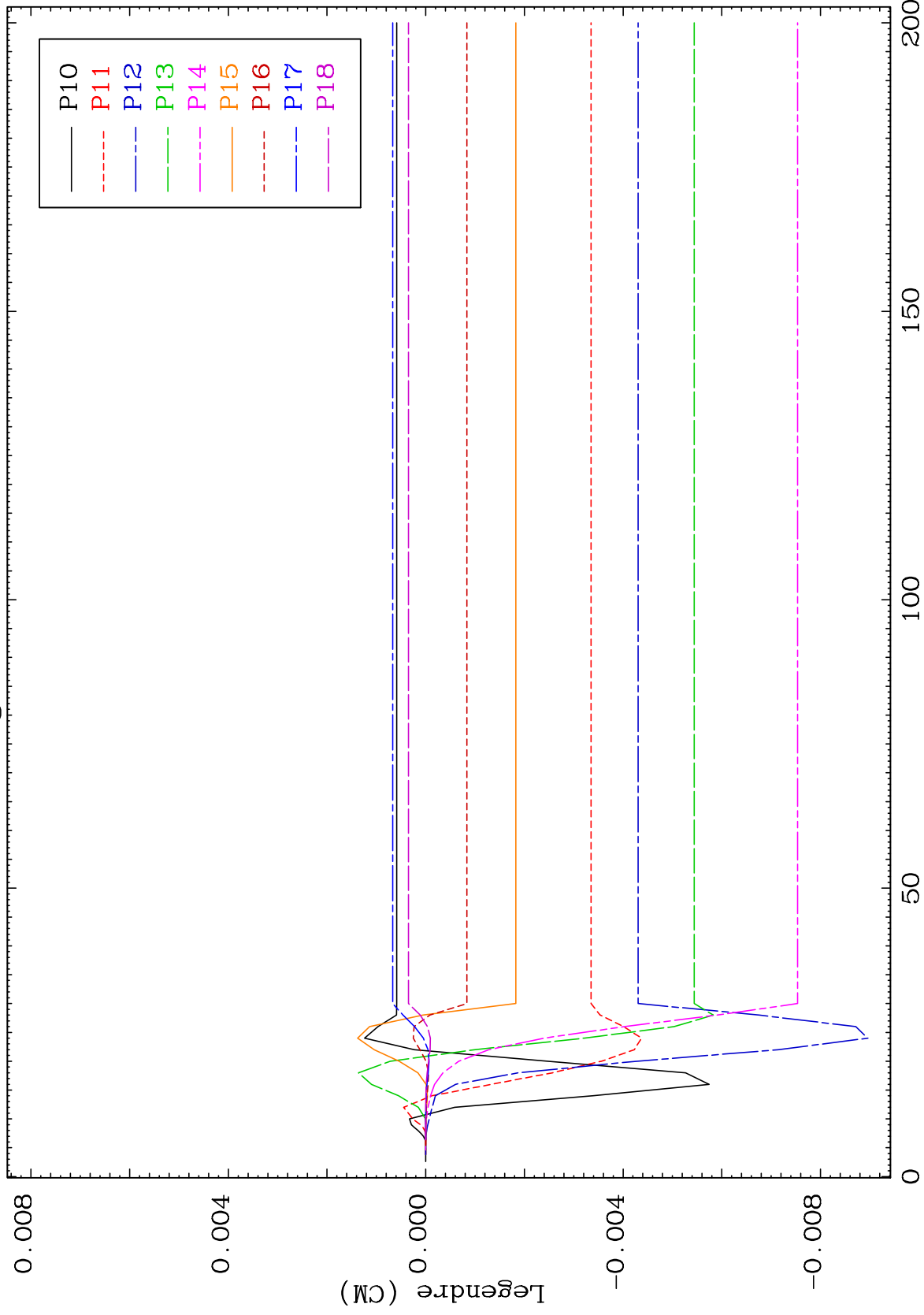
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



72

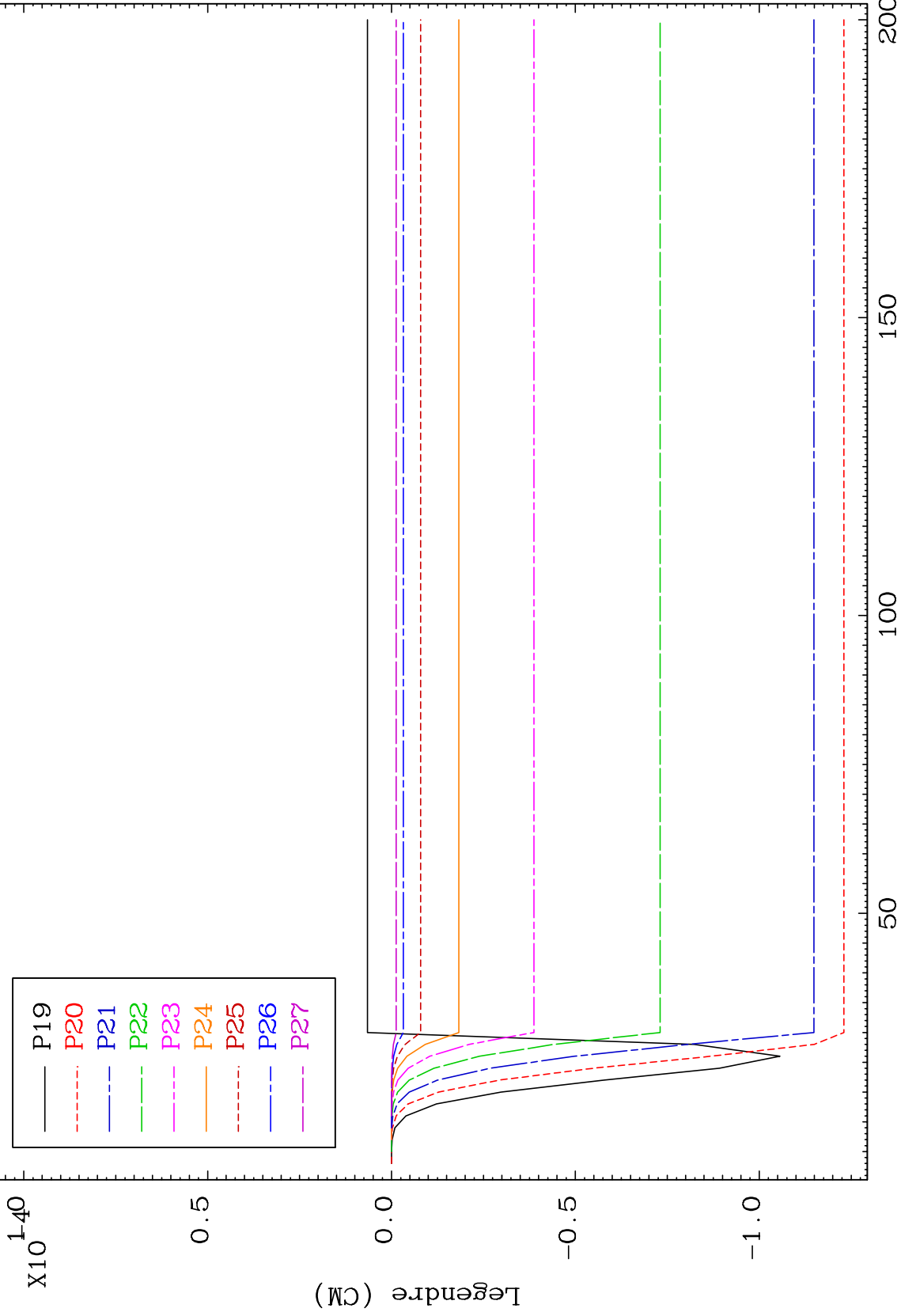
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



73

Incident Energy (MeV)

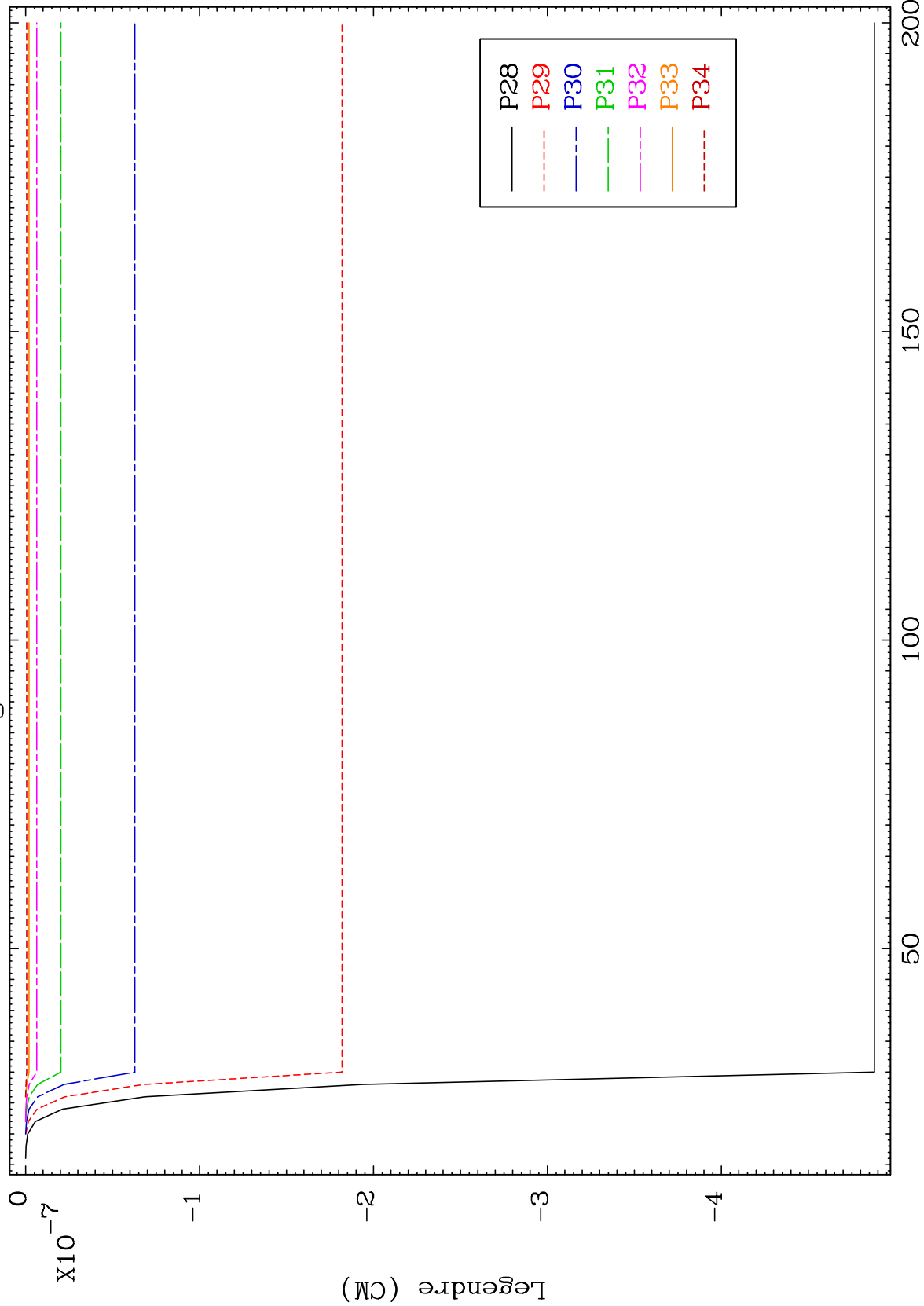
48-Cd-118

MAT 4861

MT= 65 (n,n') Level

48-Cd-118

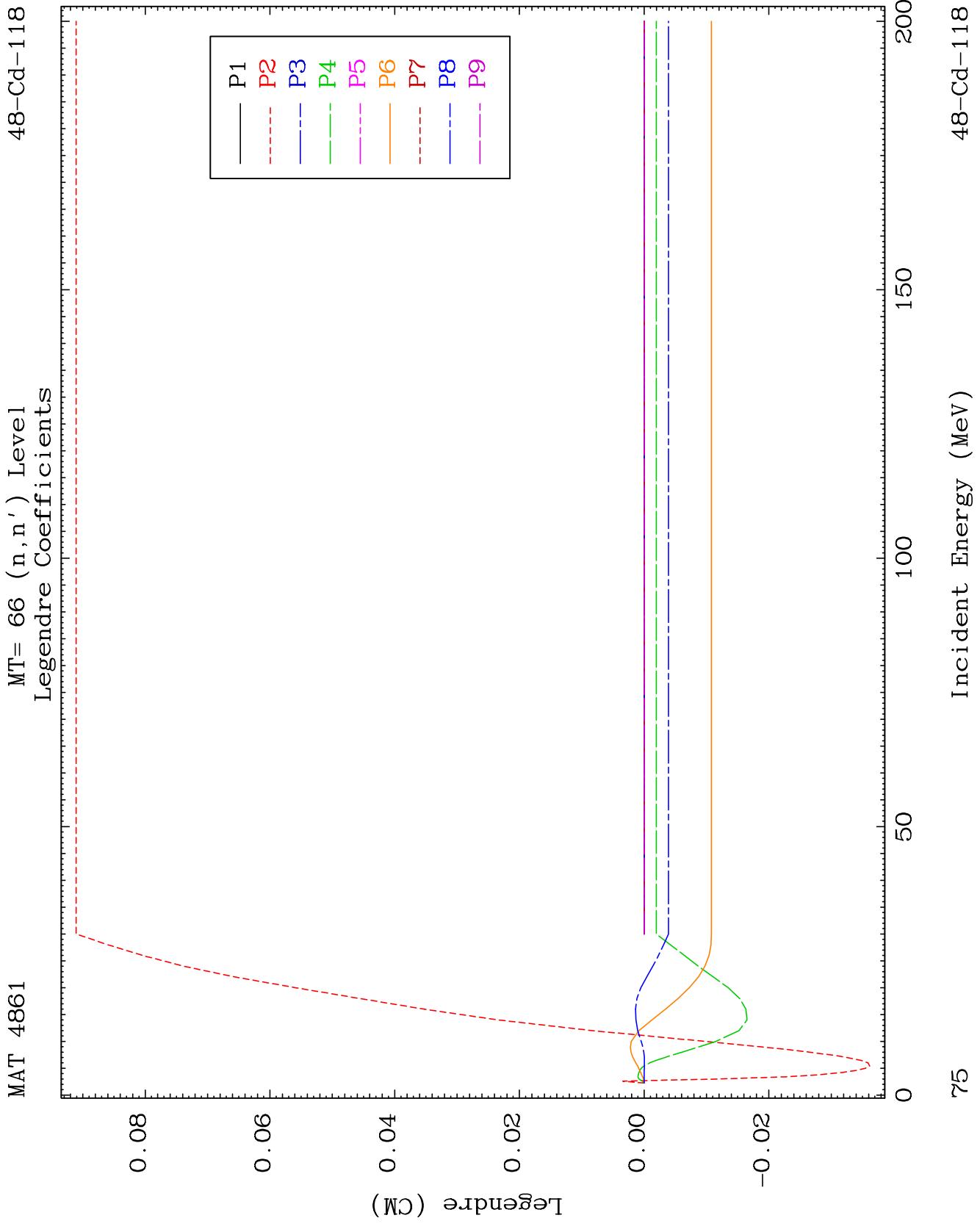
Legendre Coefficients



74

Incident Energy (MeV)

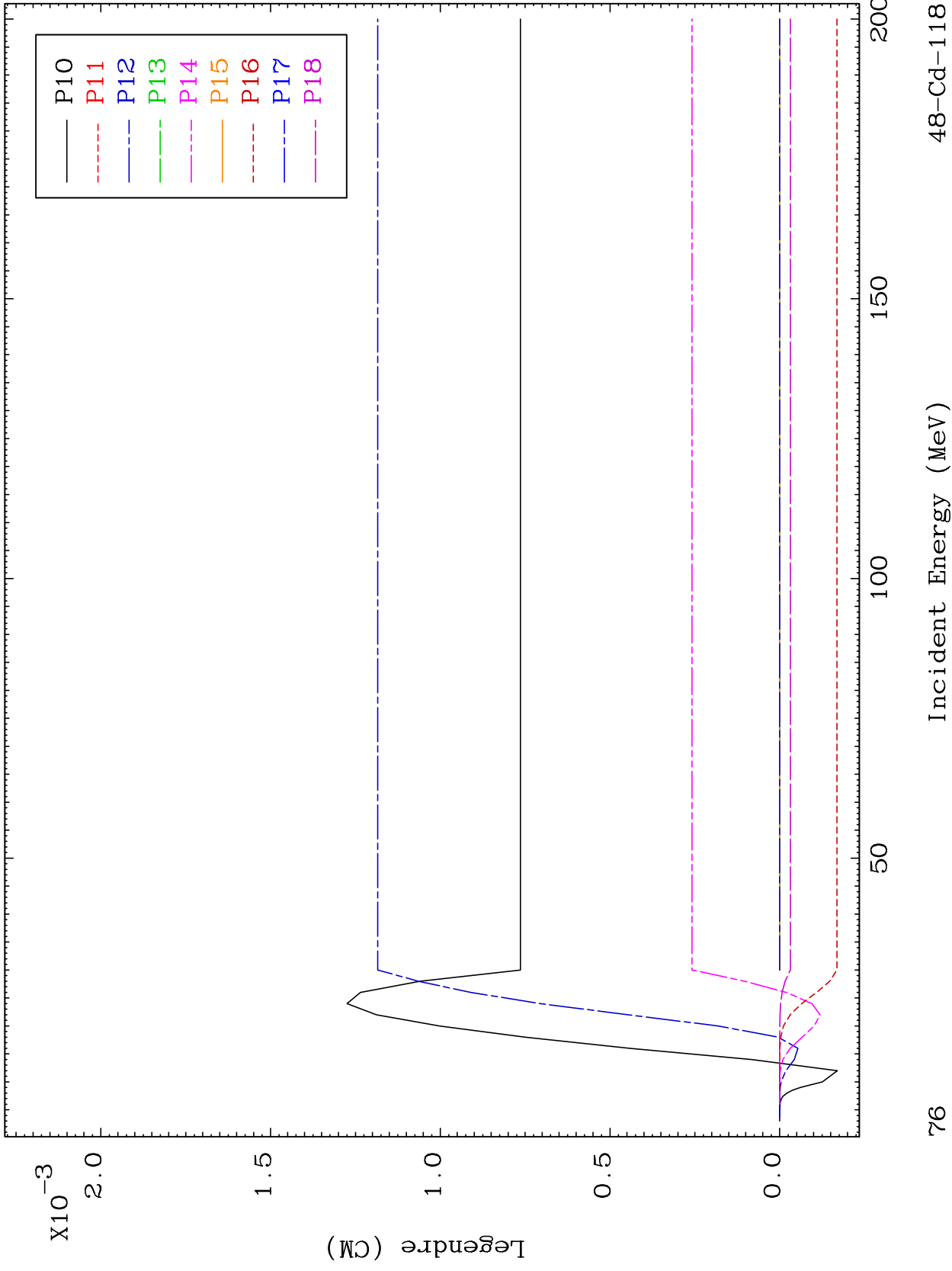
48-Cd-118

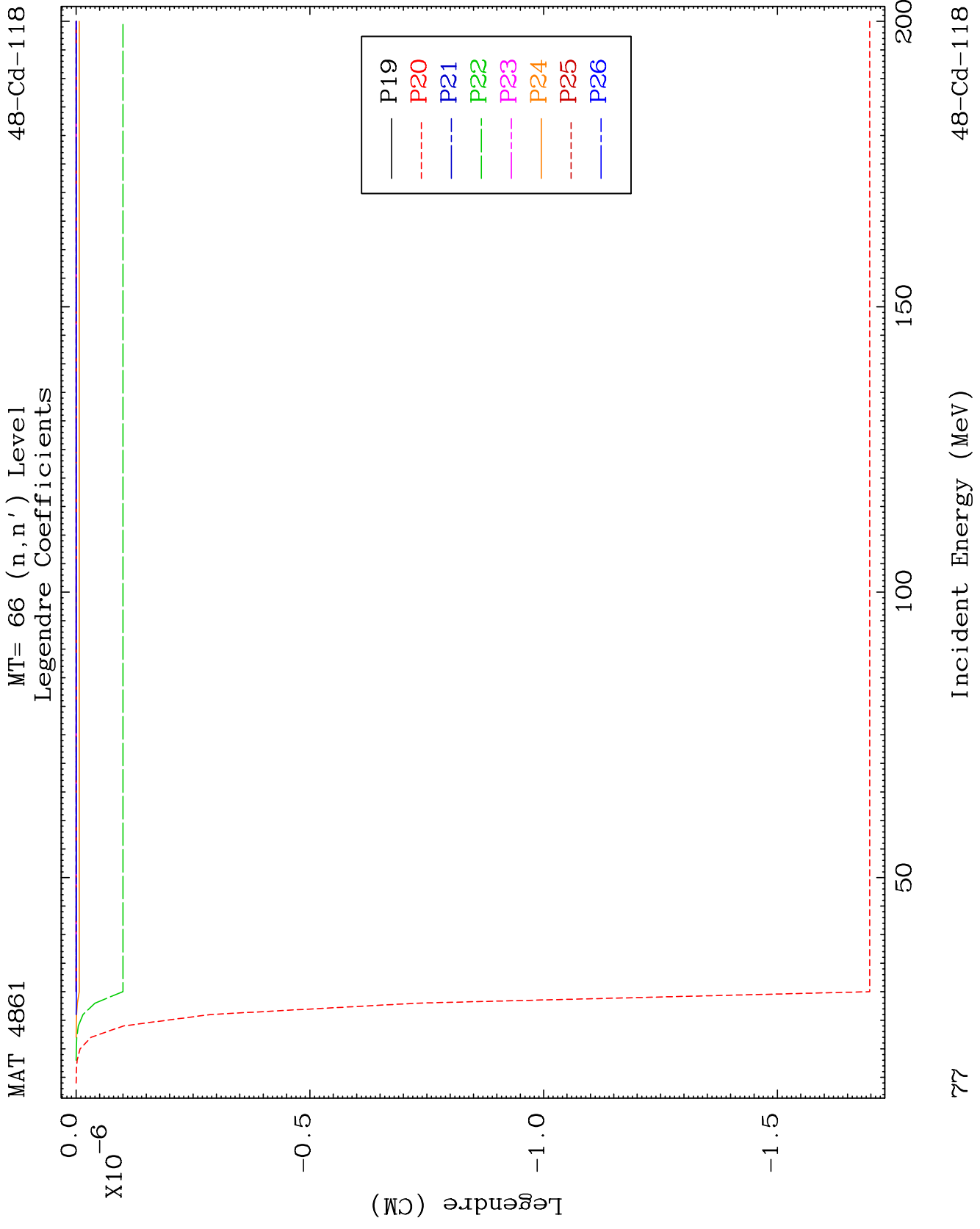


MAT 4861

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

48-Cd-118

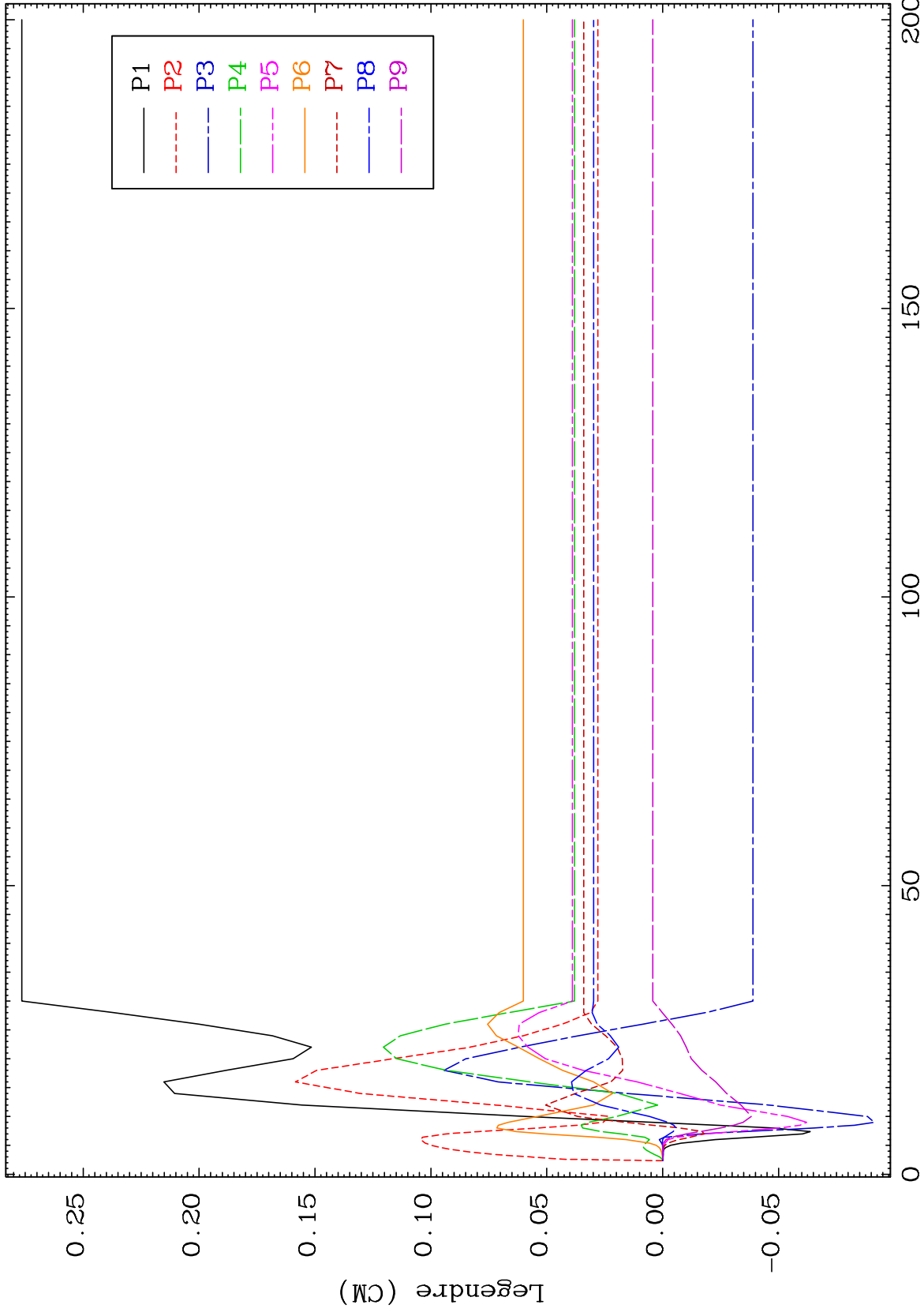




MAT 4861

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

48-Cd-118



78

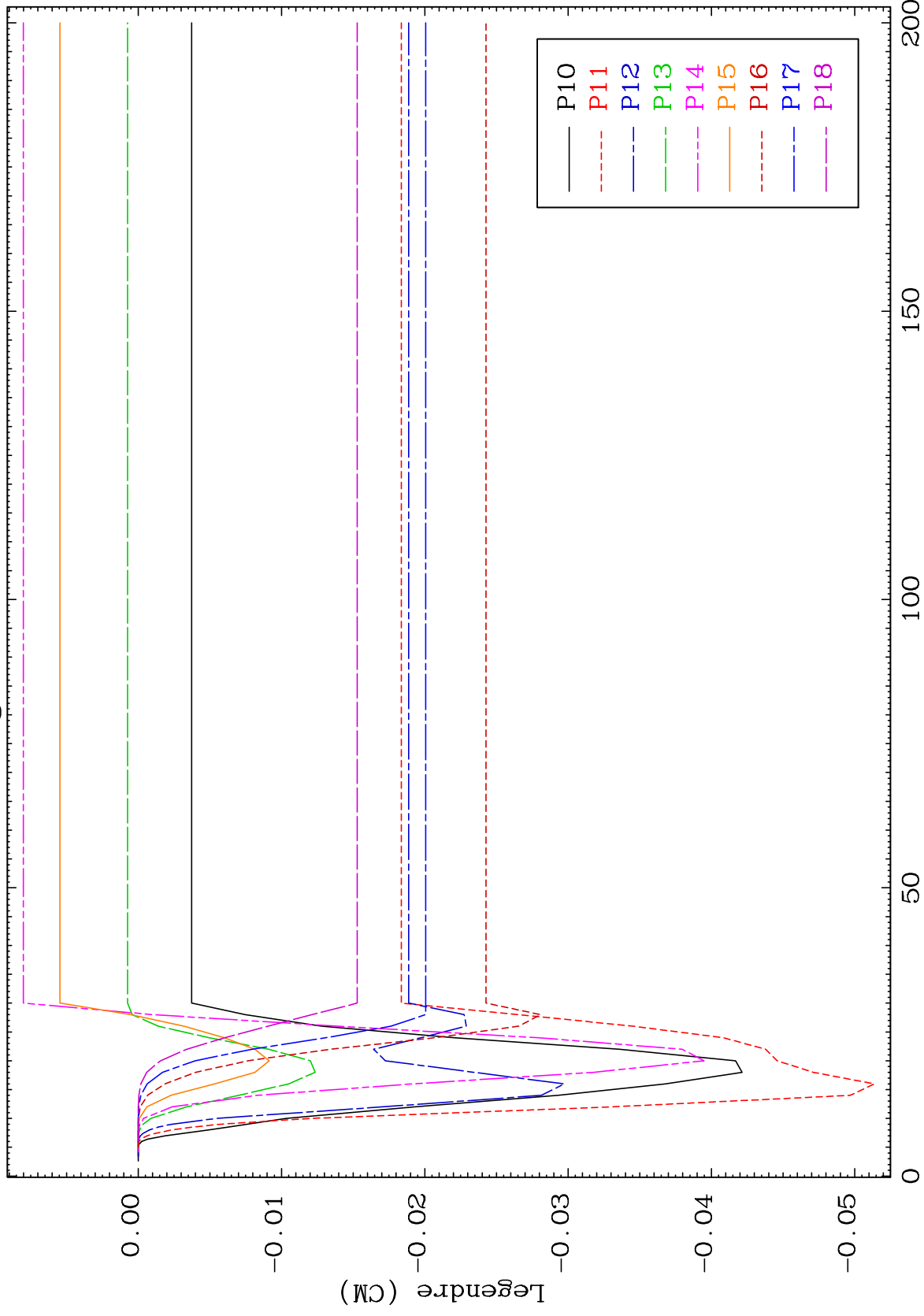
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

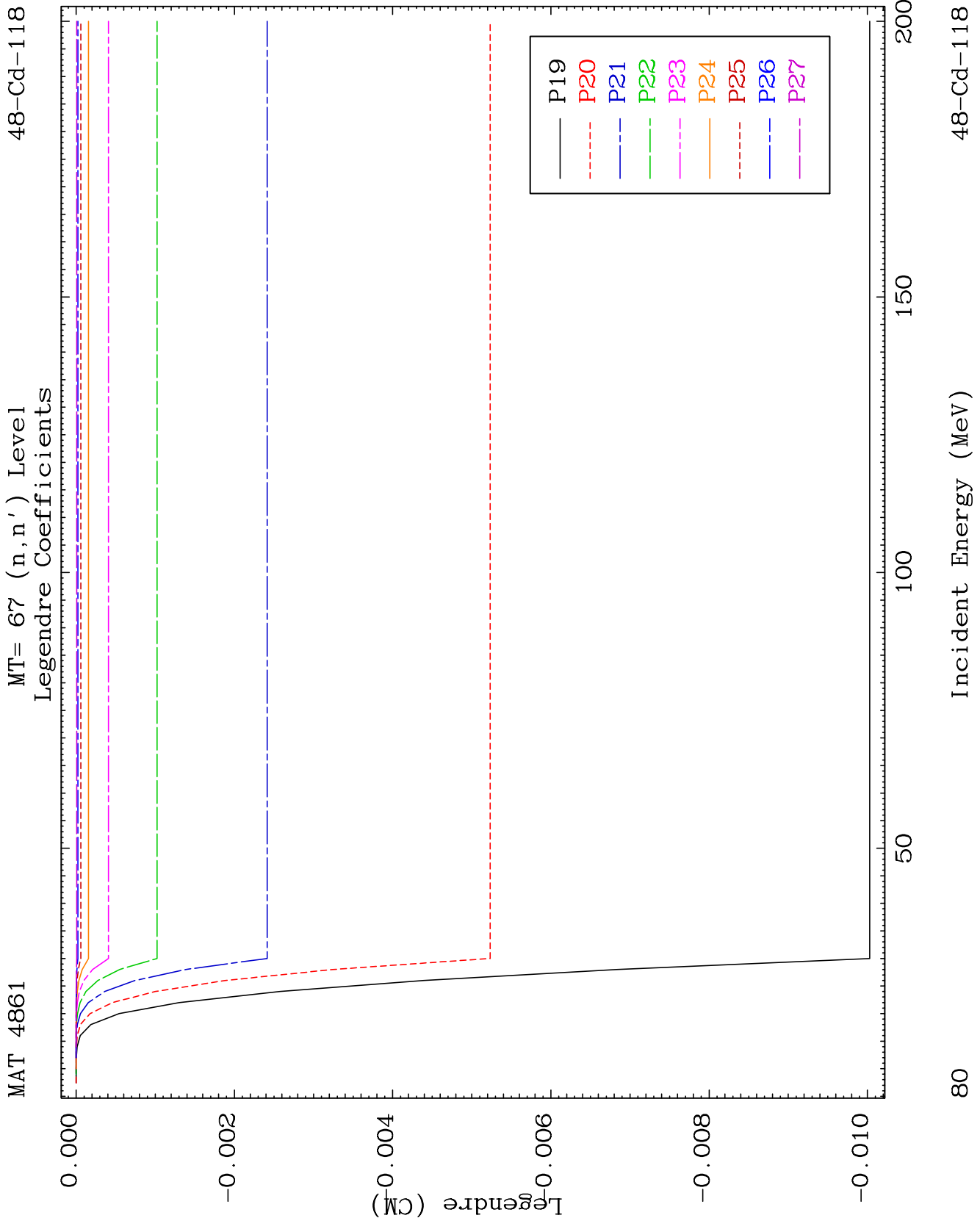
48-Cd-118

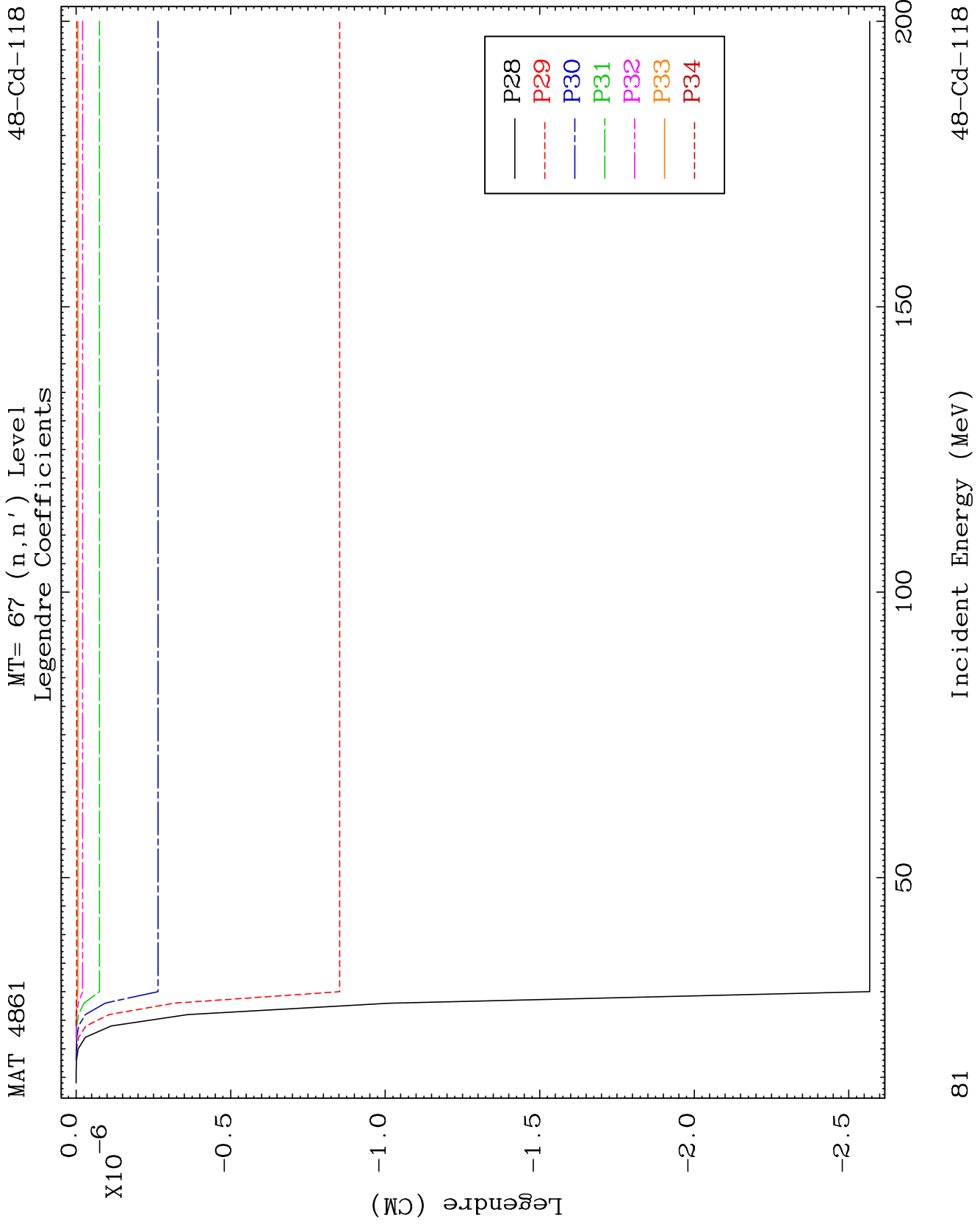


79

Incident Energy (MeV)

48-Cd-118

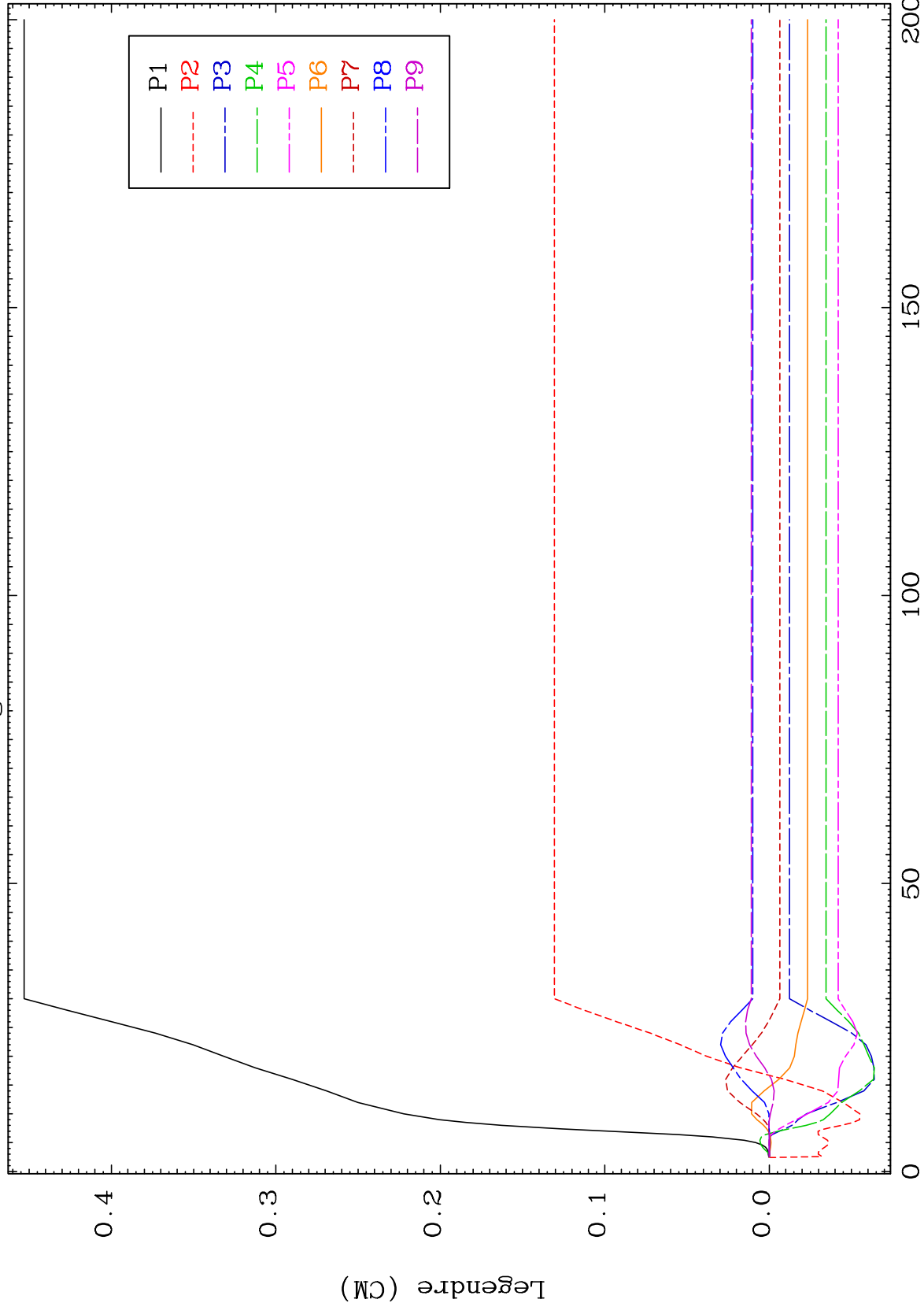




MAT 4861

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

48-Cd-118



82

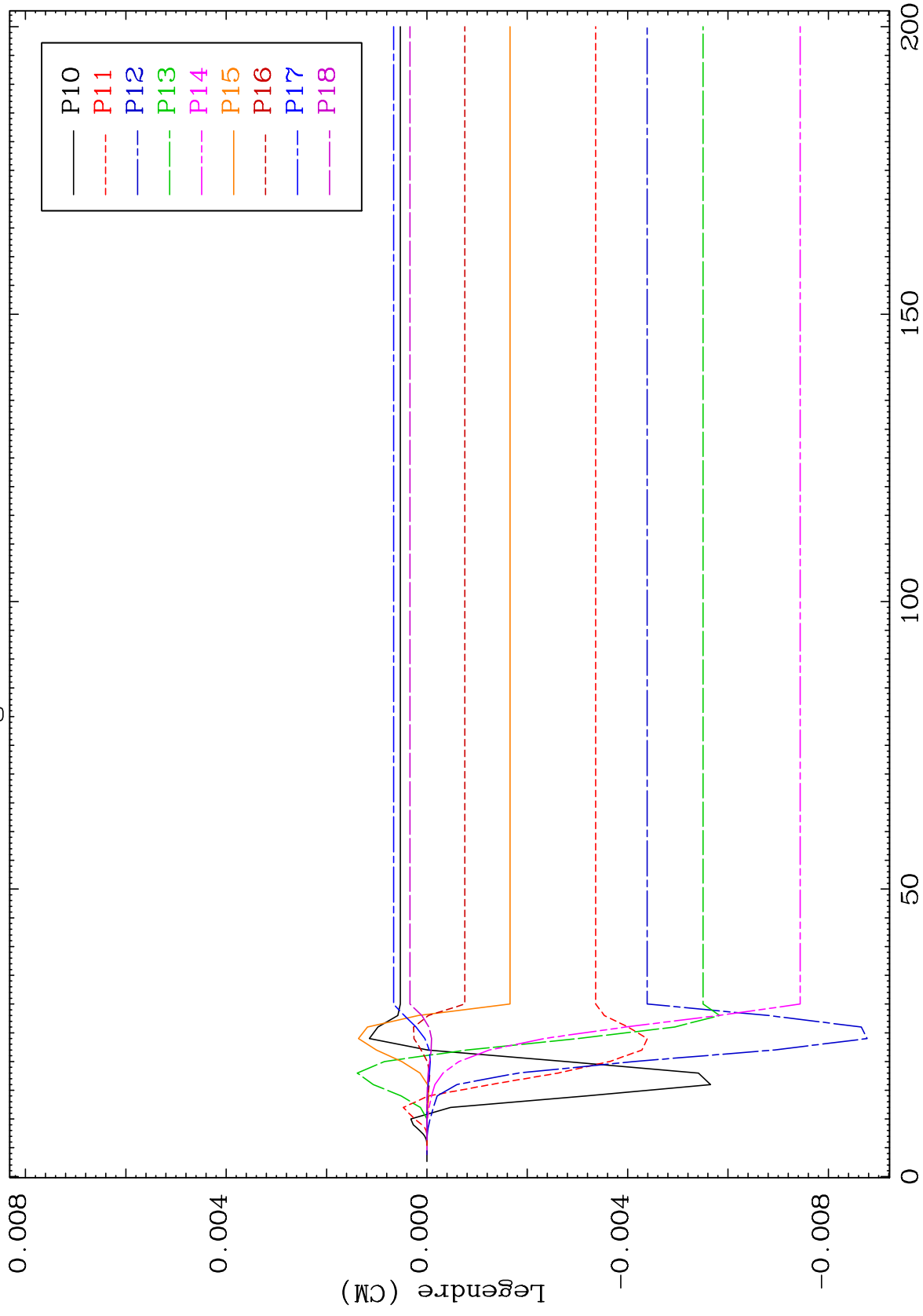
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



83

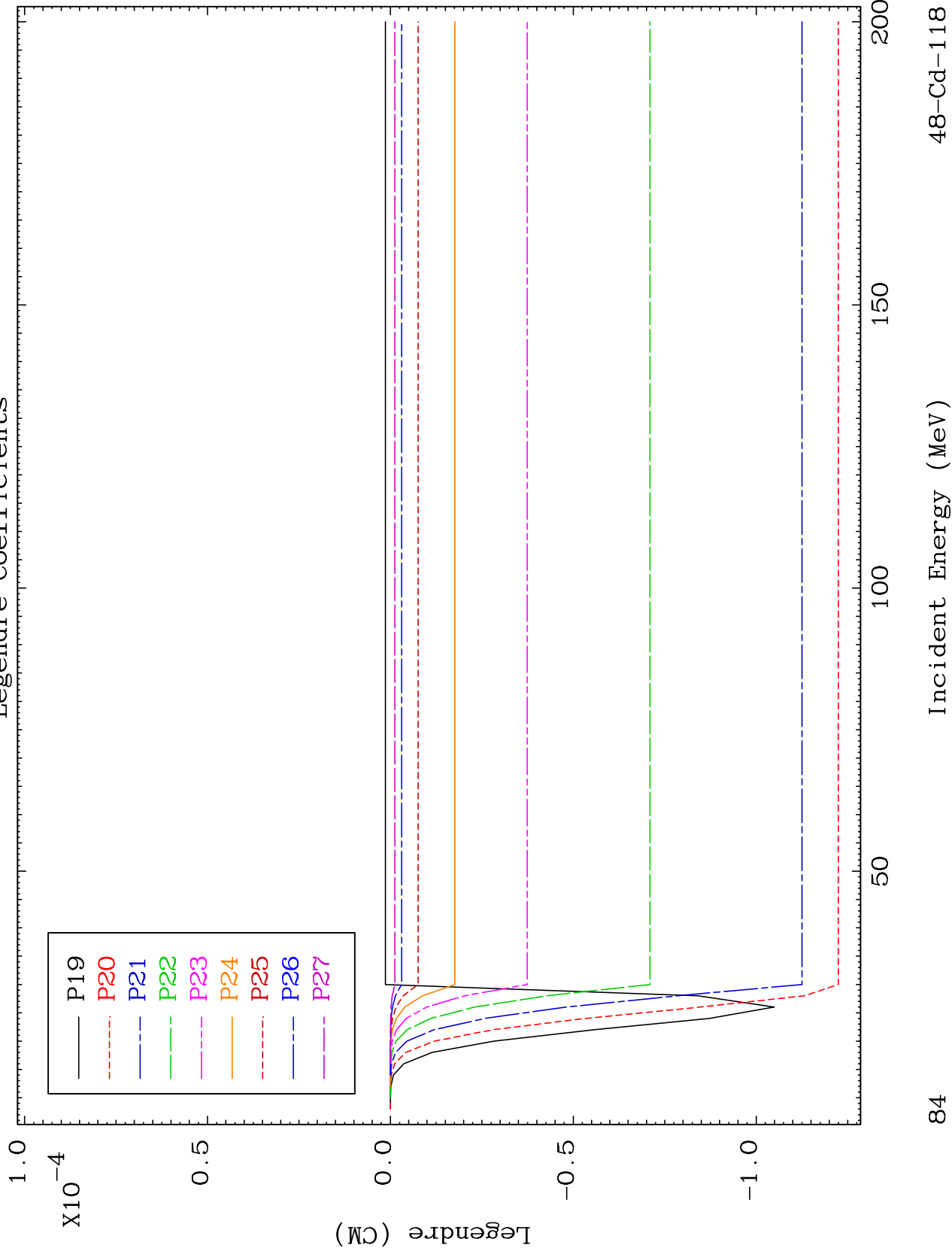
Incident Energy (MeV)

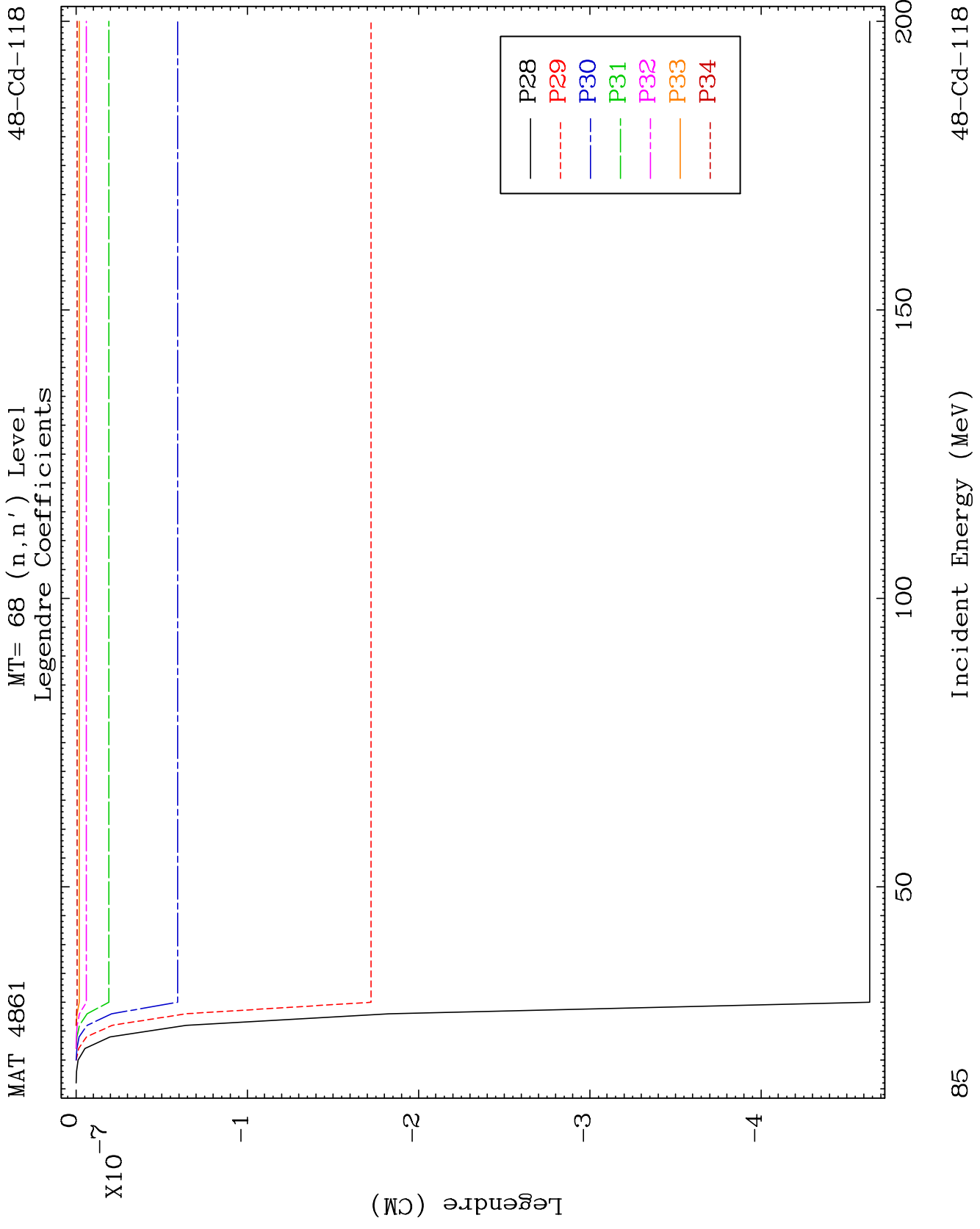
48-Cd-118

MAT 4861

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

48-Cd-118

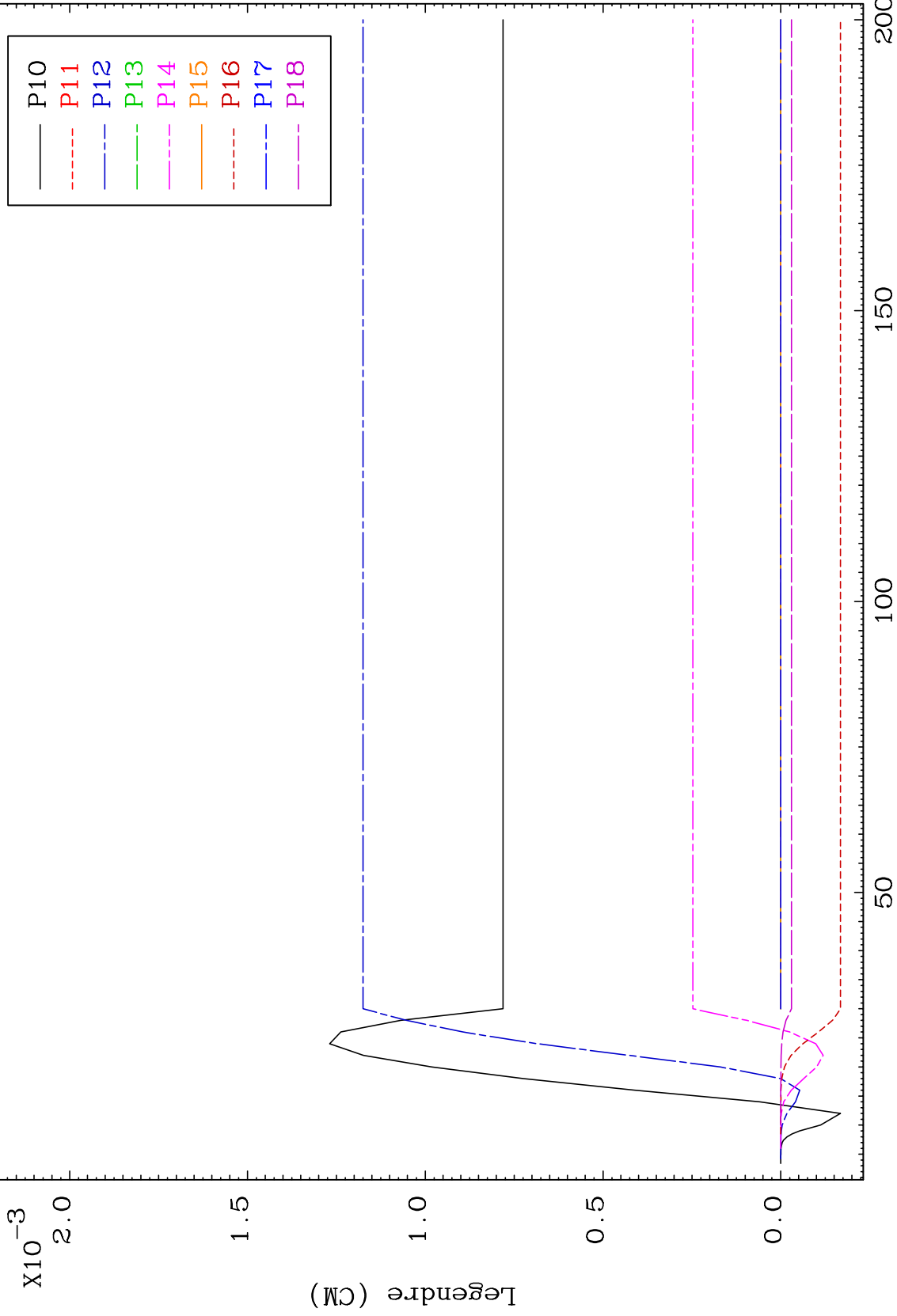


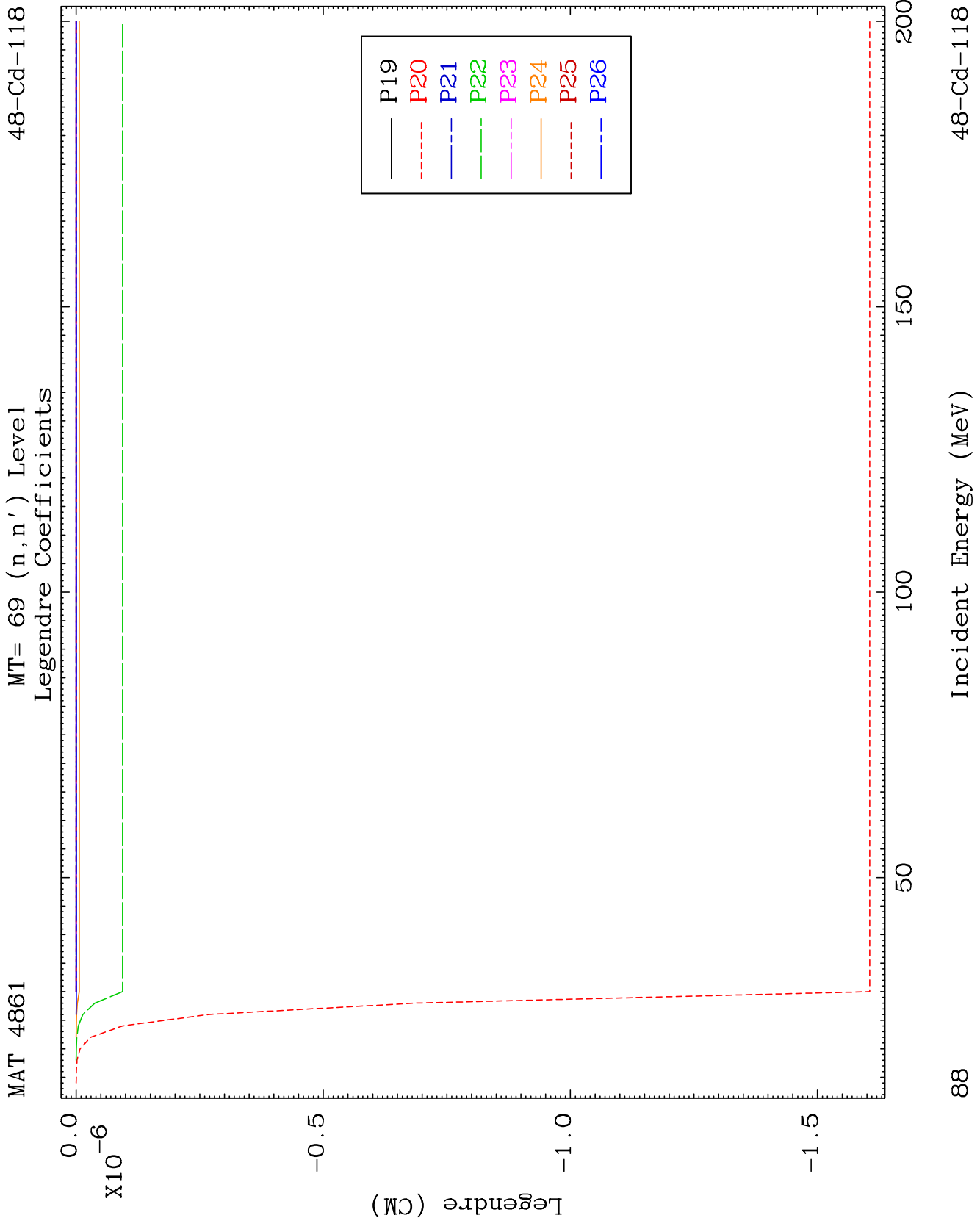


MAT 4861

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

48-Cd-118

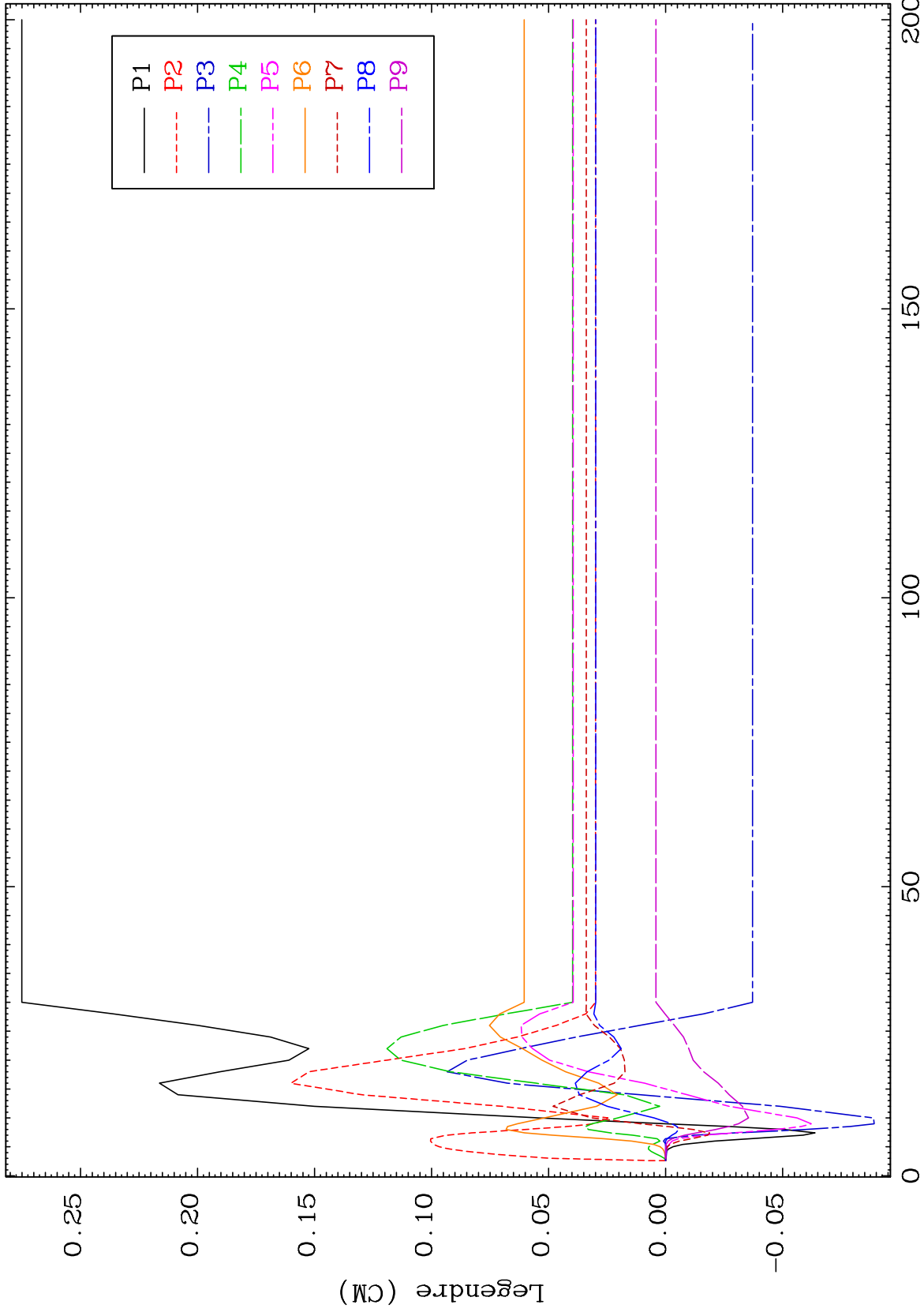




MAT 4861

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

48-Cd-118



89

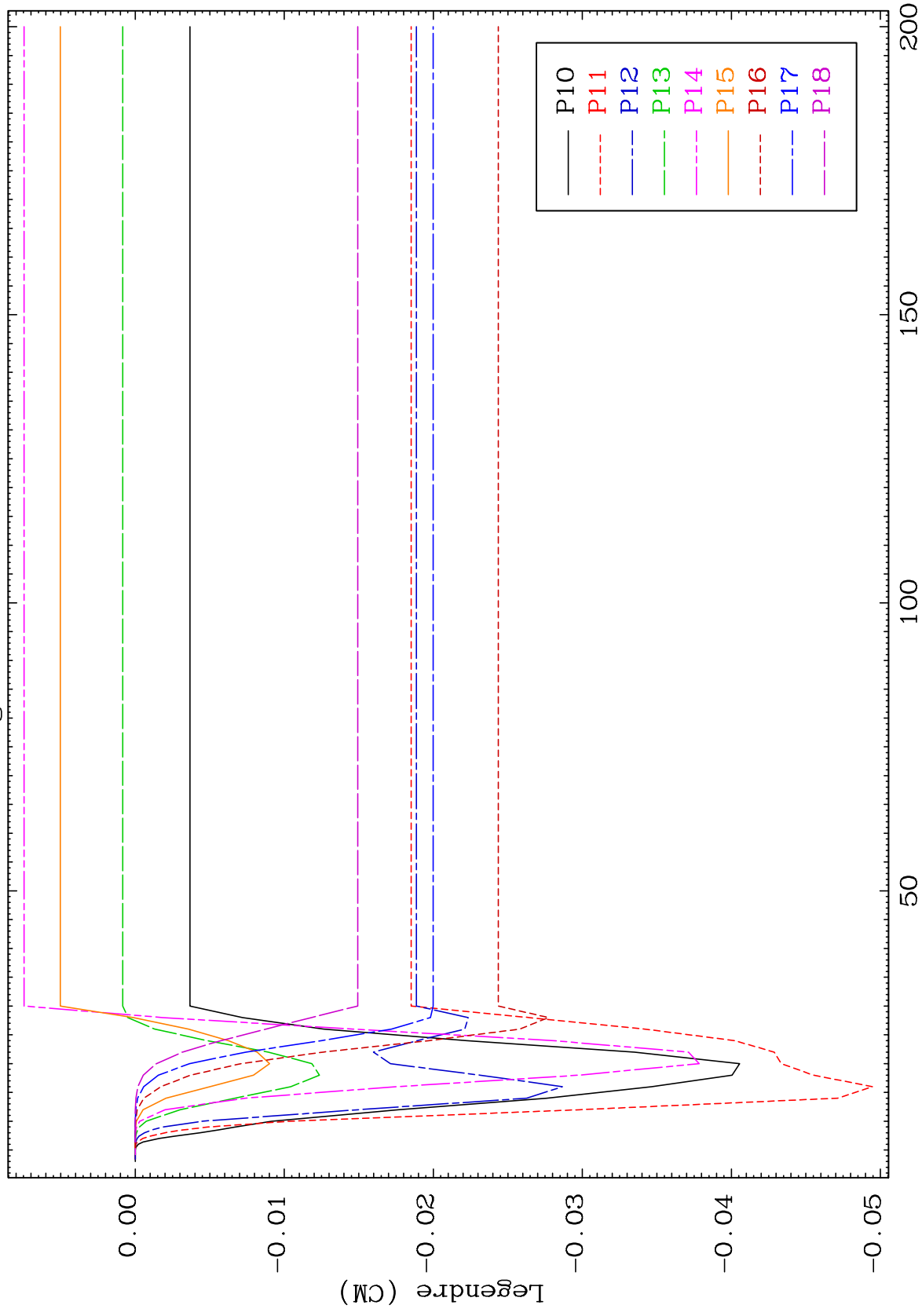
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

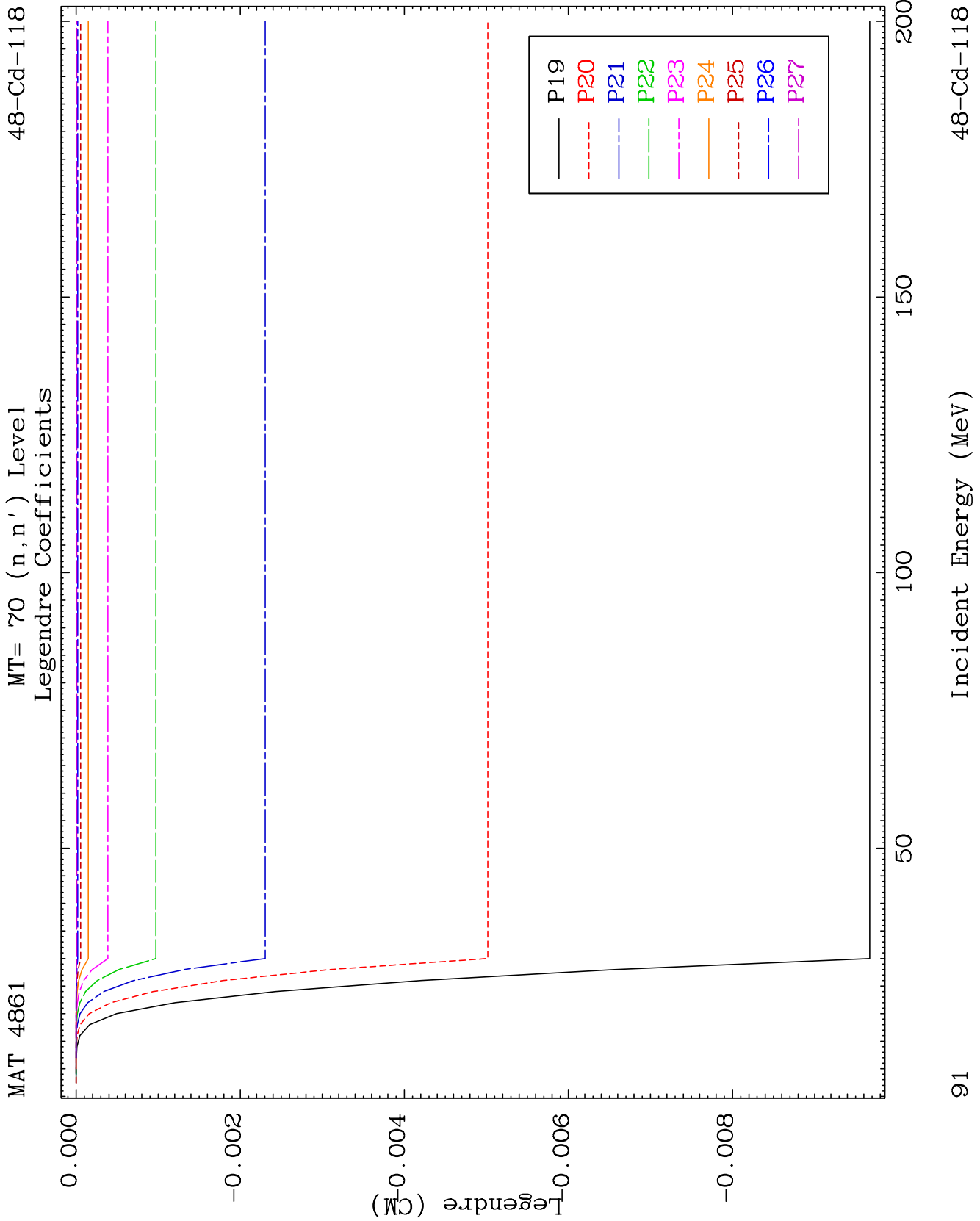
48-Cd-118

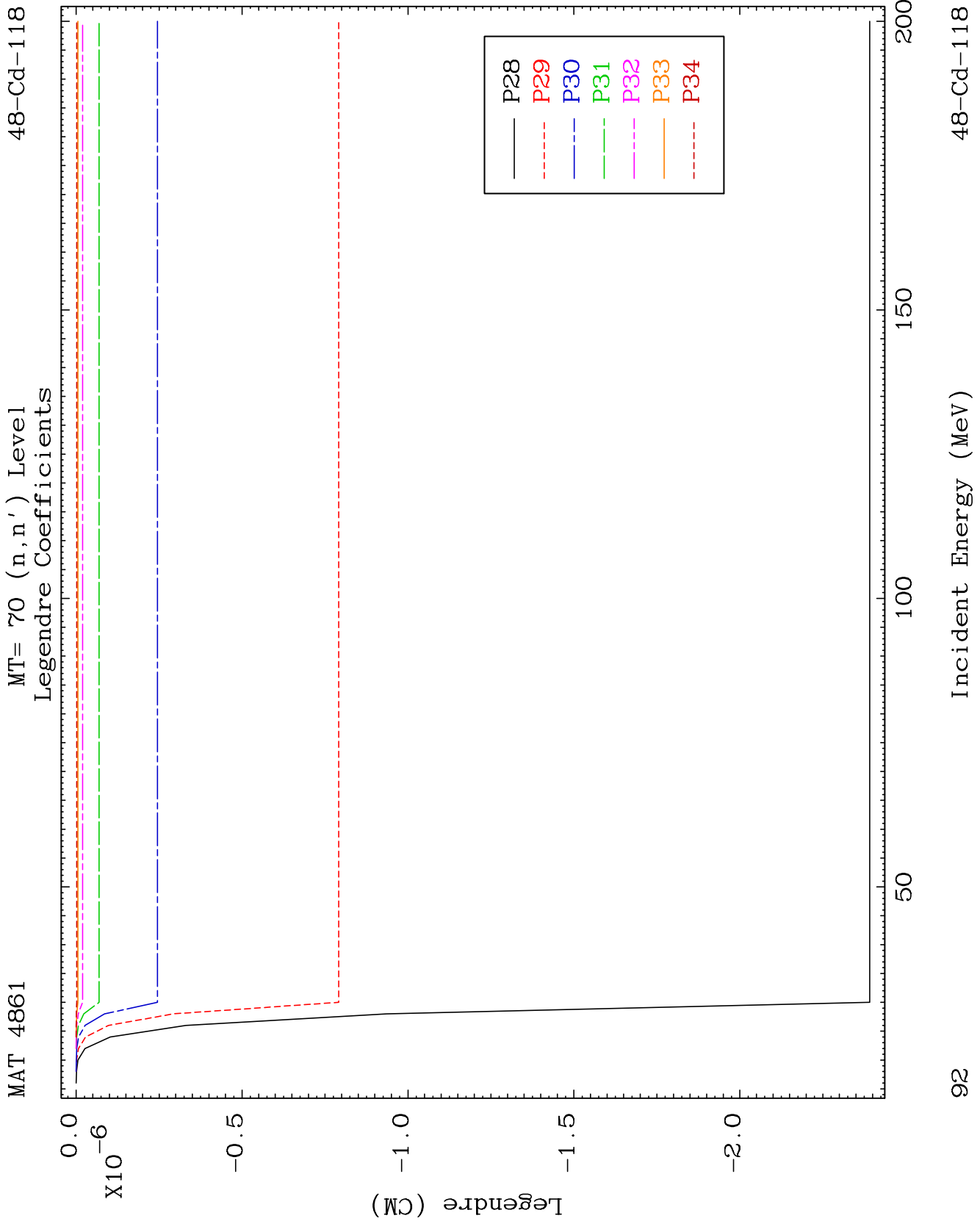


90

Incident Energy (MeV)

48-Cd-118

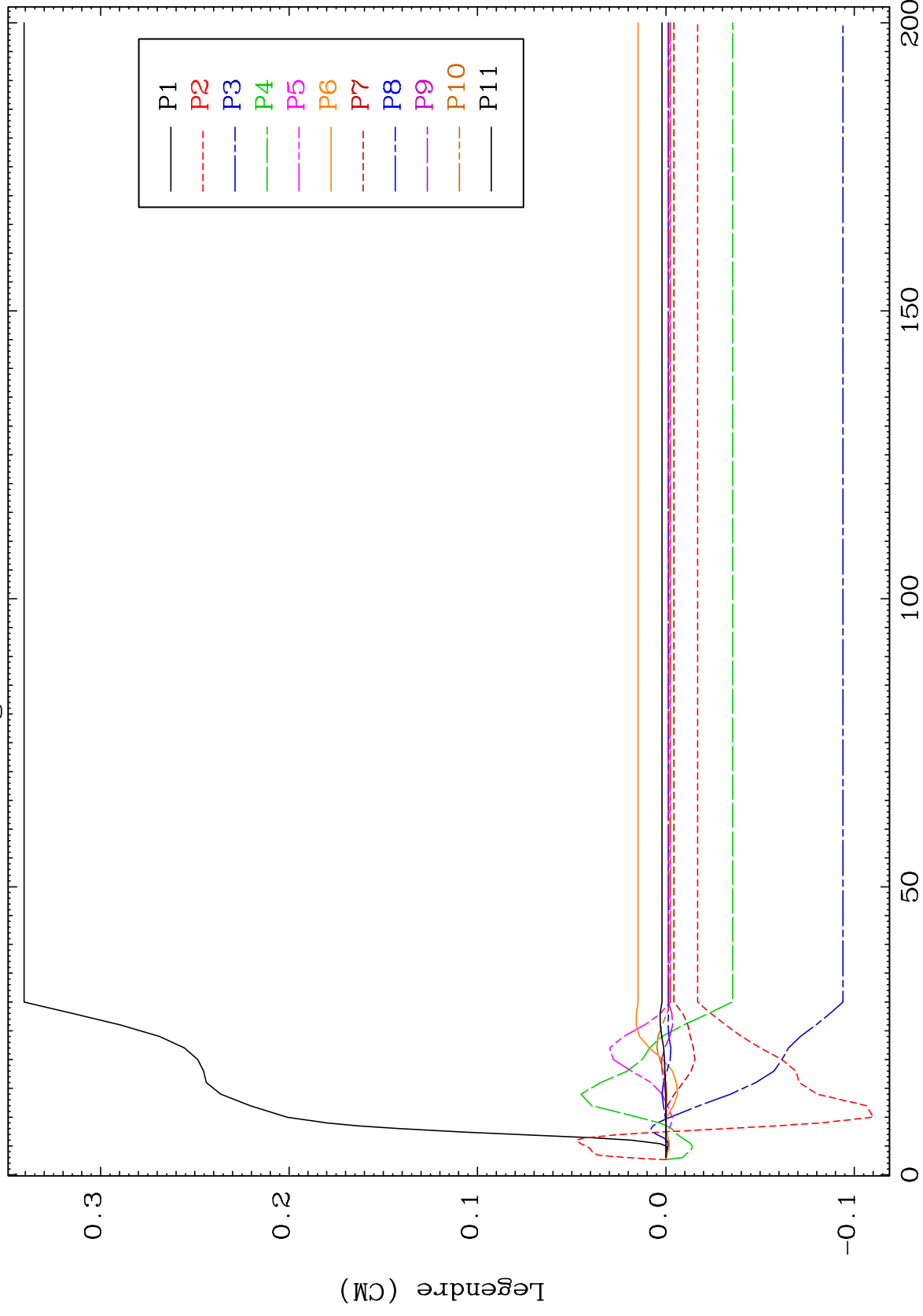




MAT 4861

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

48-Cd-118



93

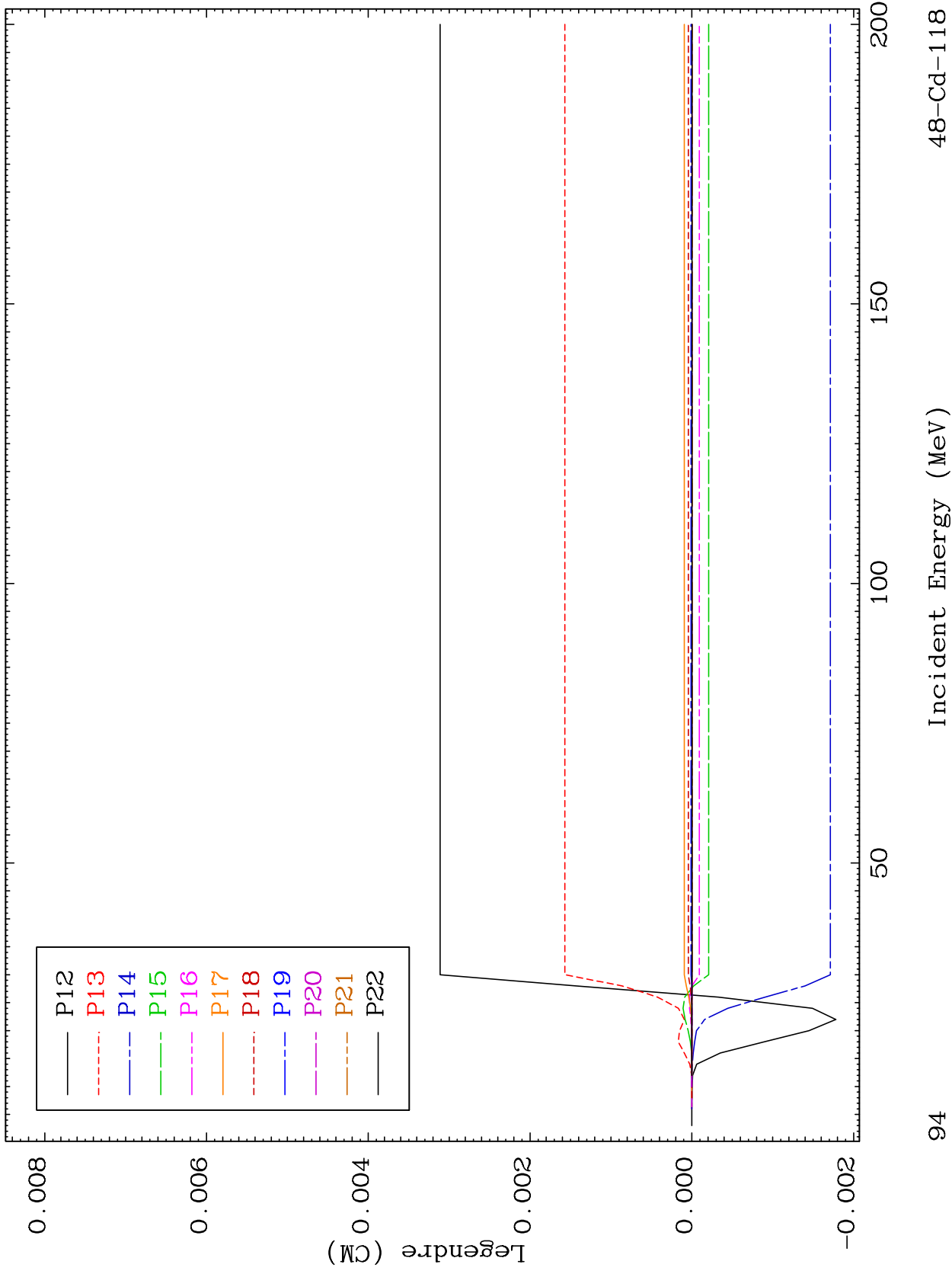
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

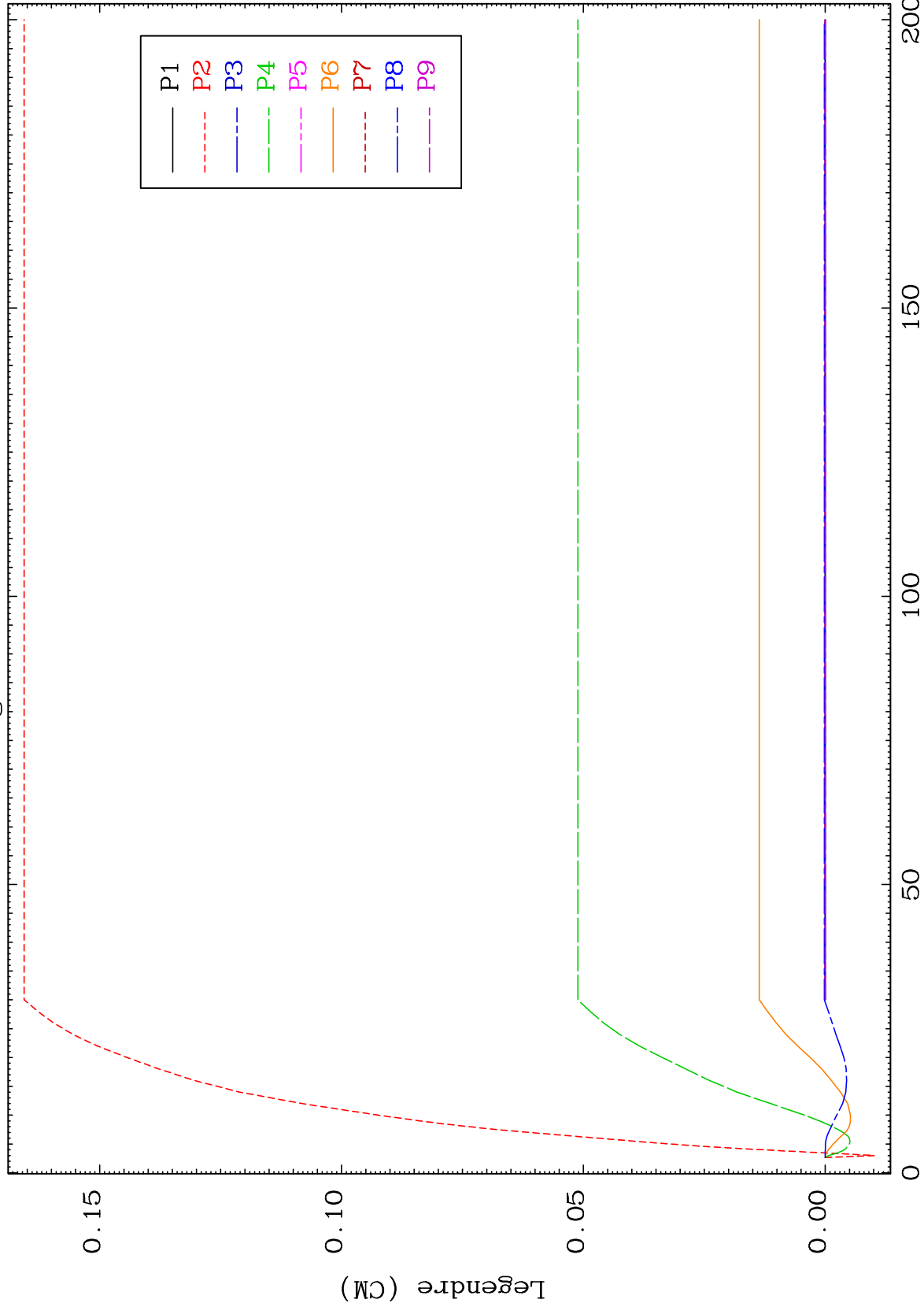
48-Cd-118



MAT 4861

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

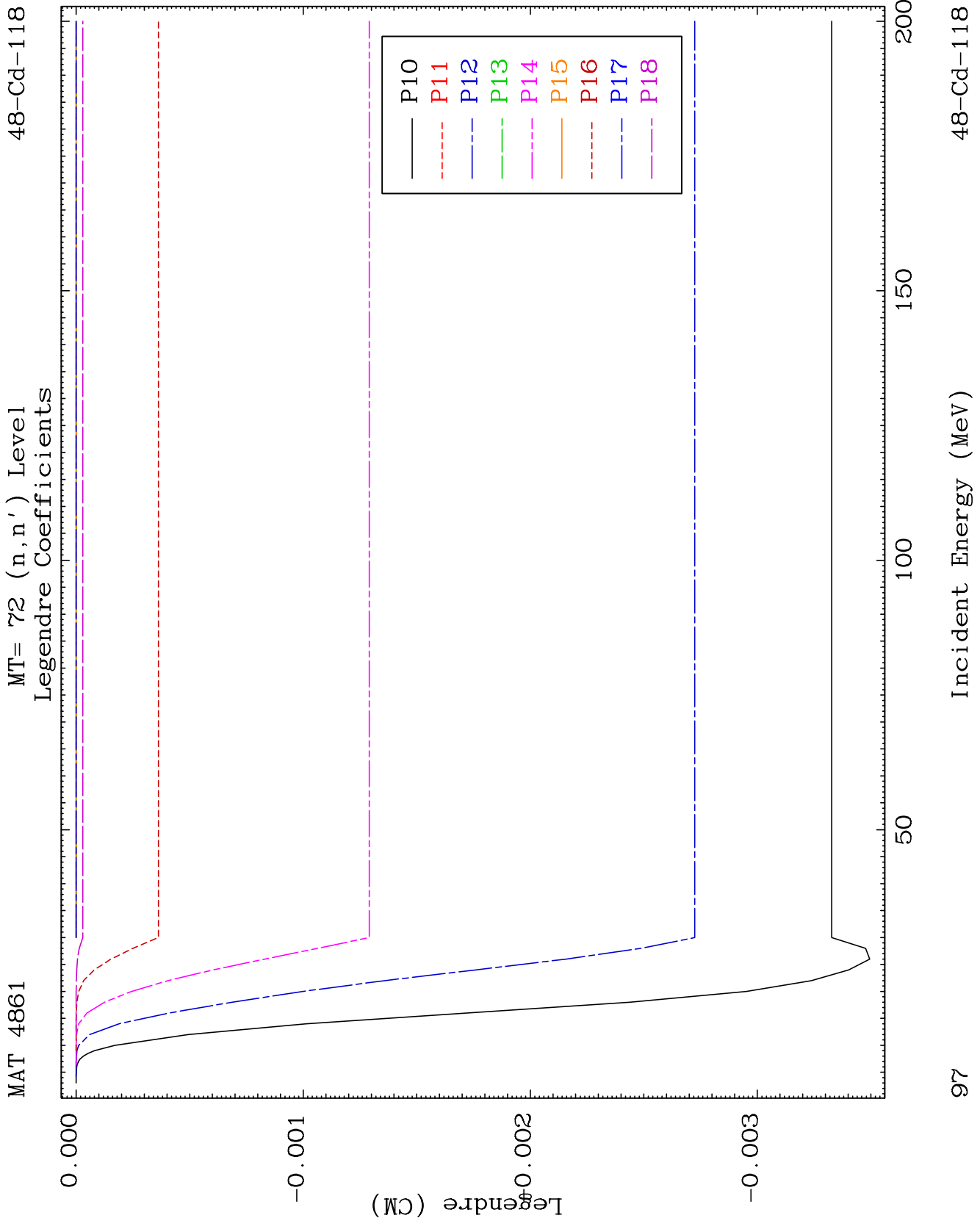
48-Cd-118

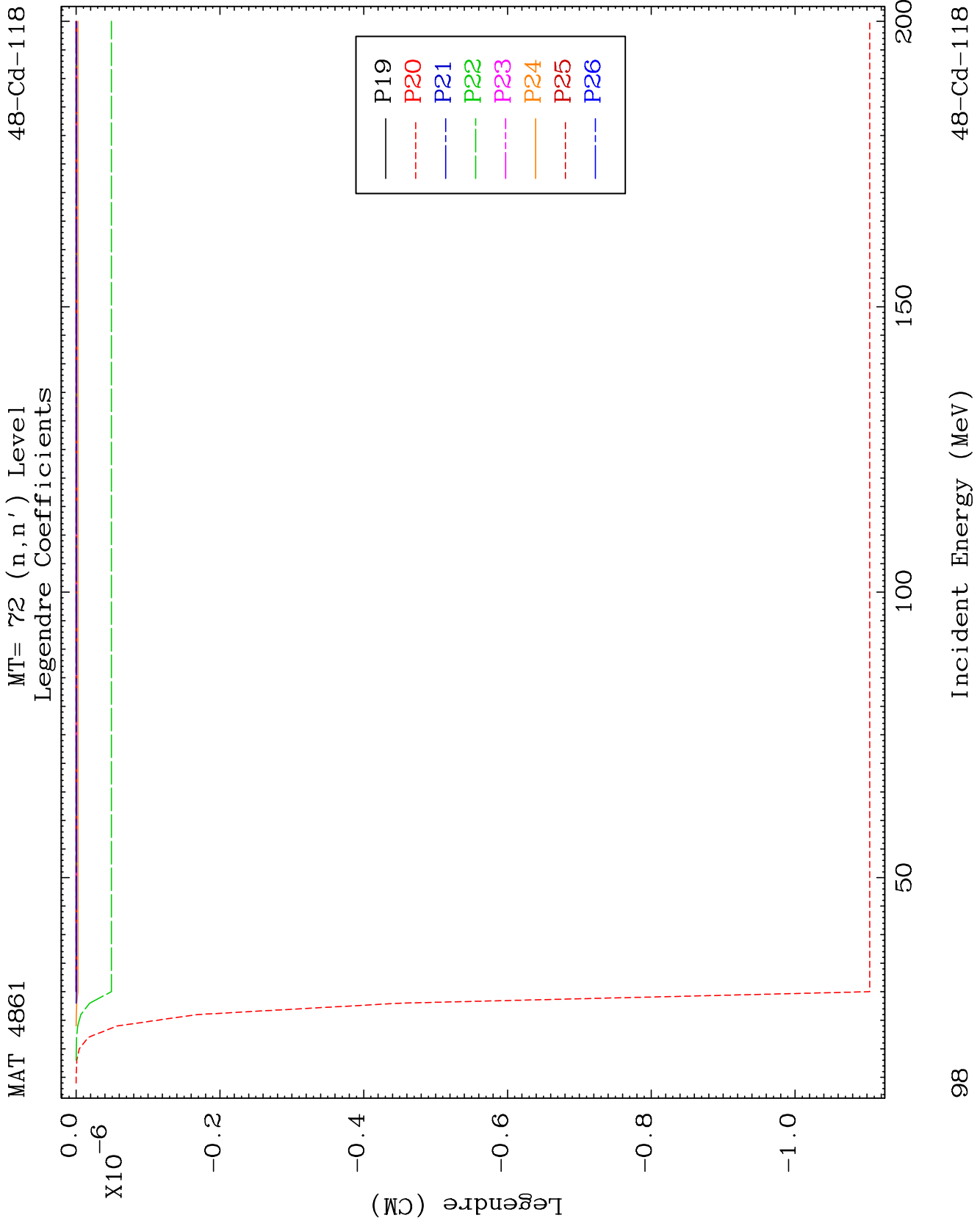


96

Incident Energy (MeV)

48-Cd-118

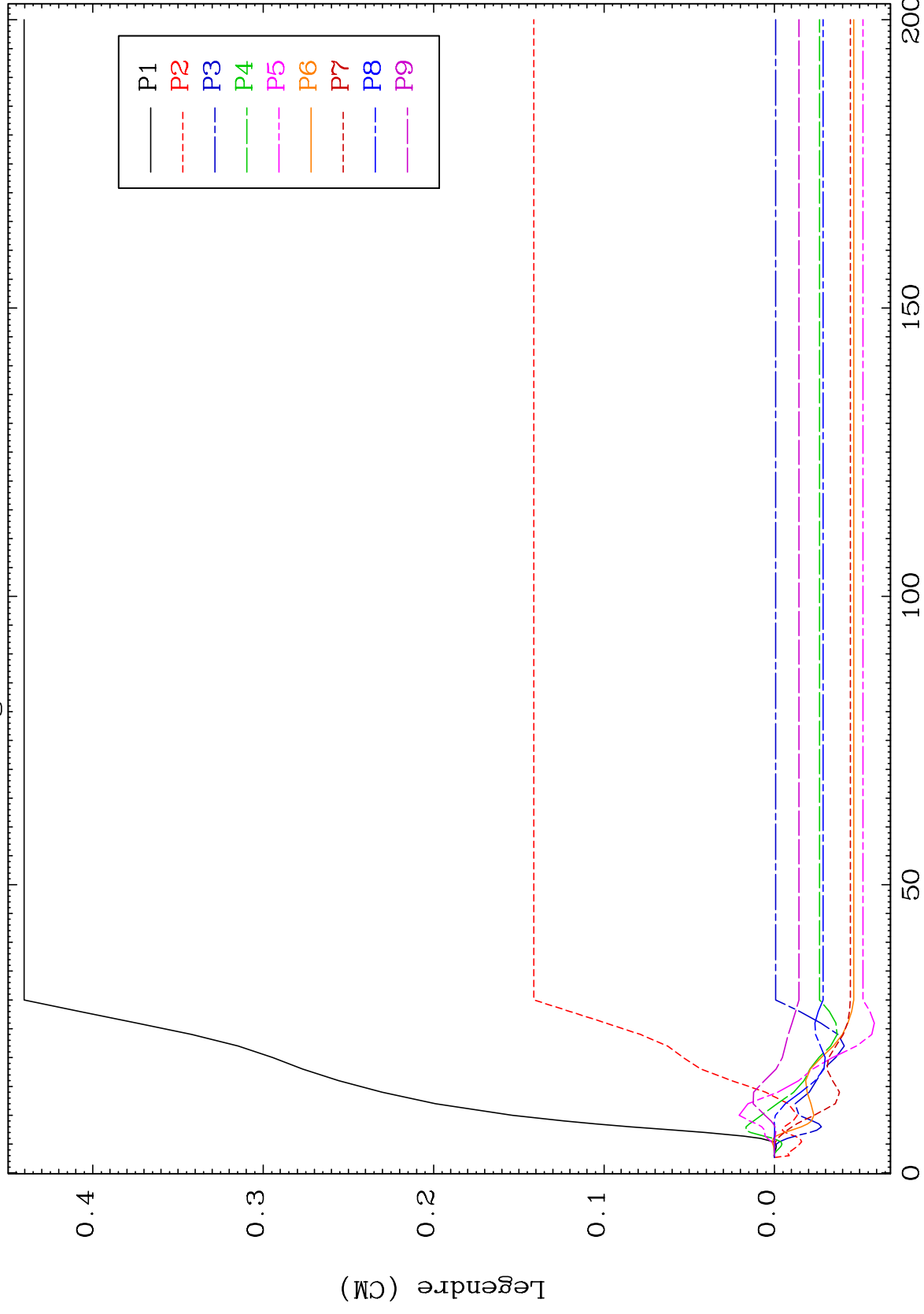




MAT 4861

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

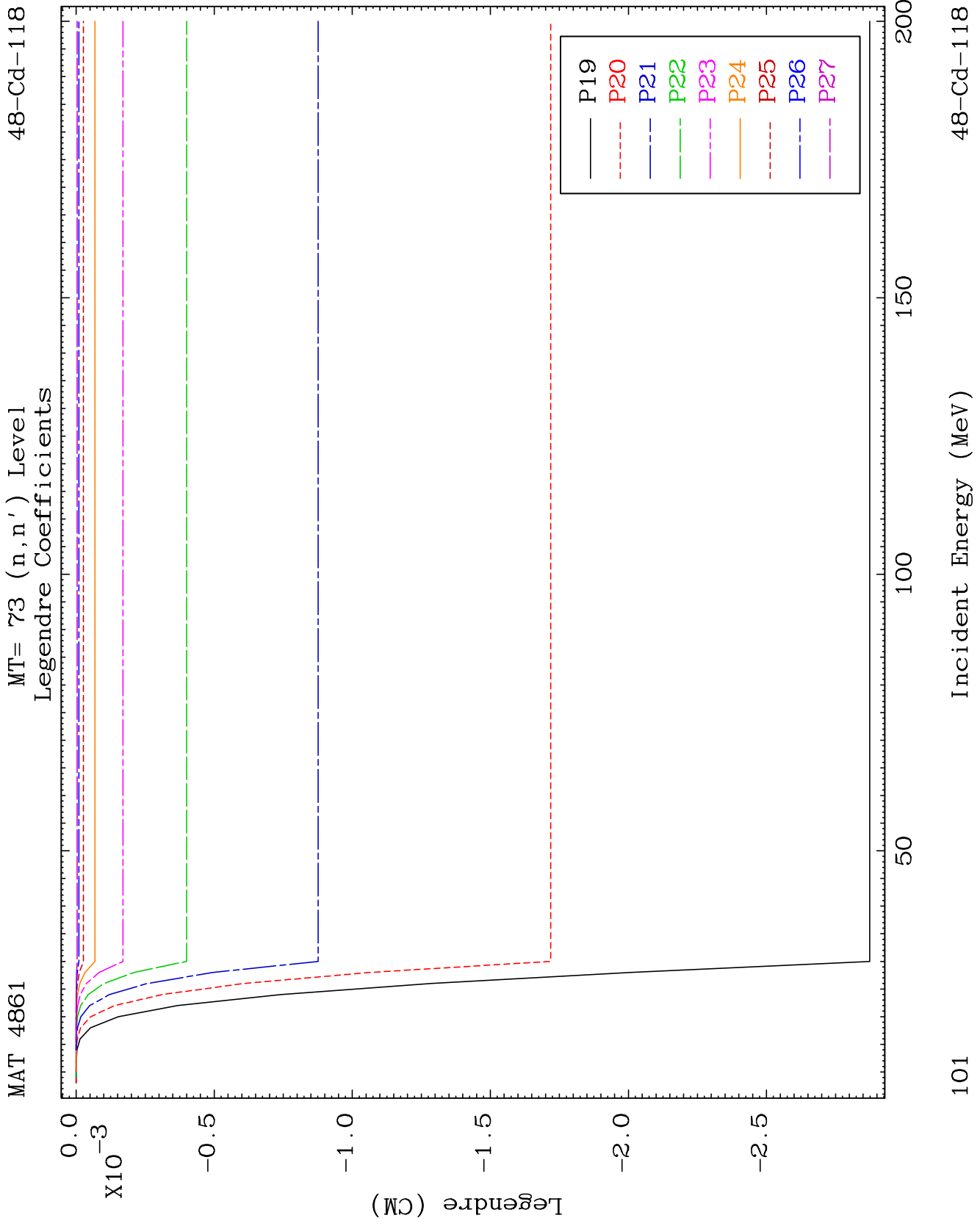
48-Cd-118

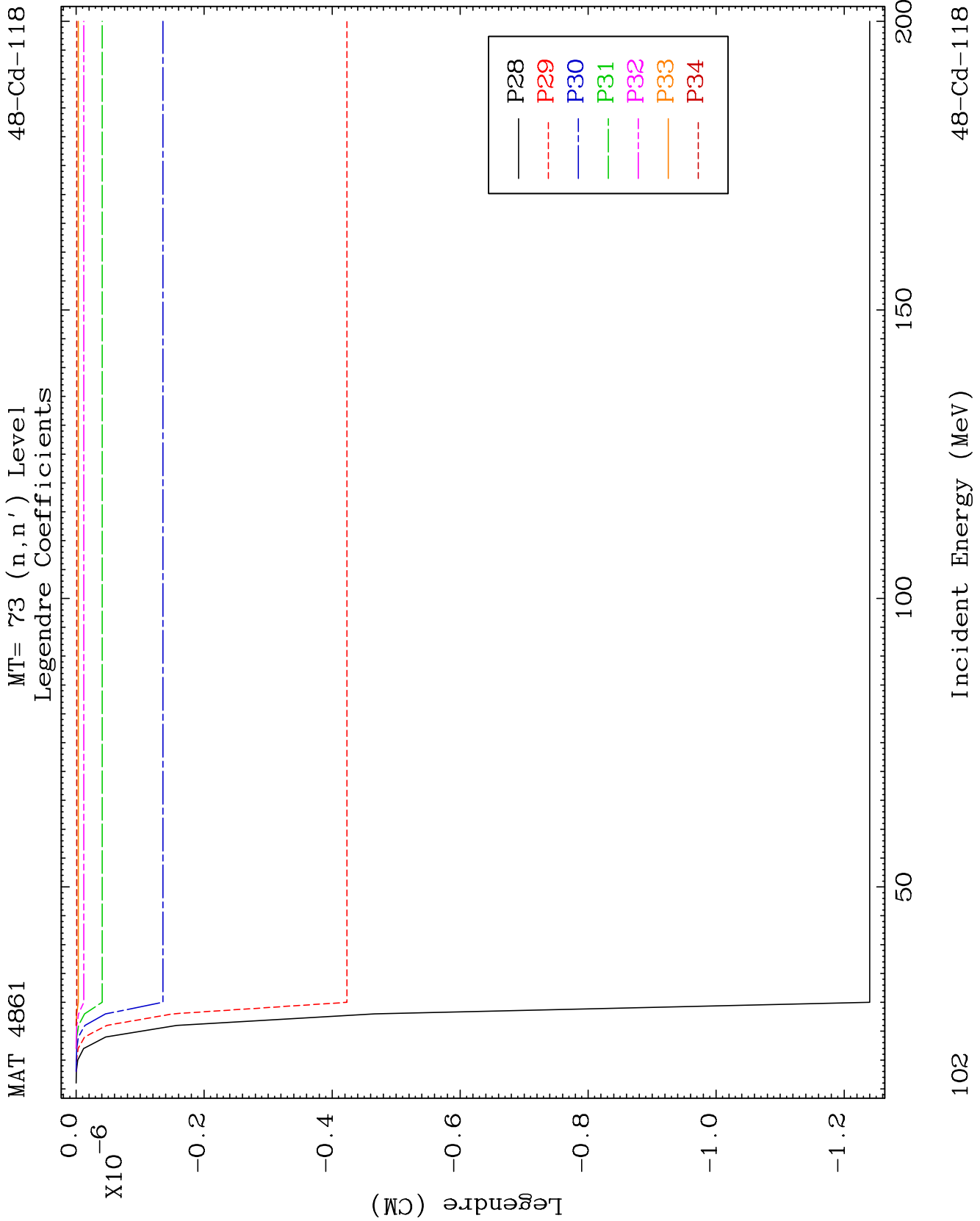


99

Incident Energy (MeV)

48-Cd-118

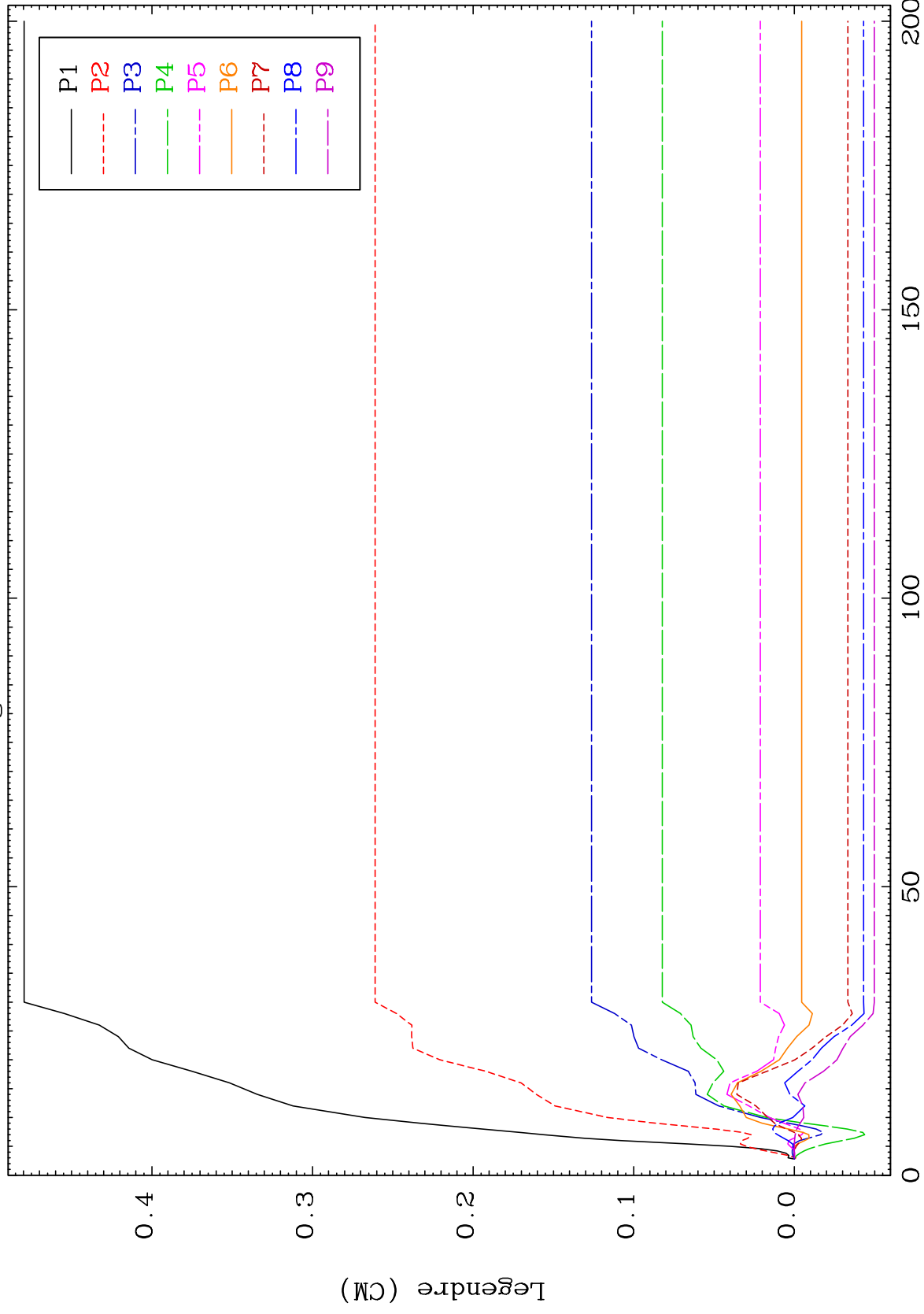




MAT 4861

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

48-Cd-118



48-Cd-118

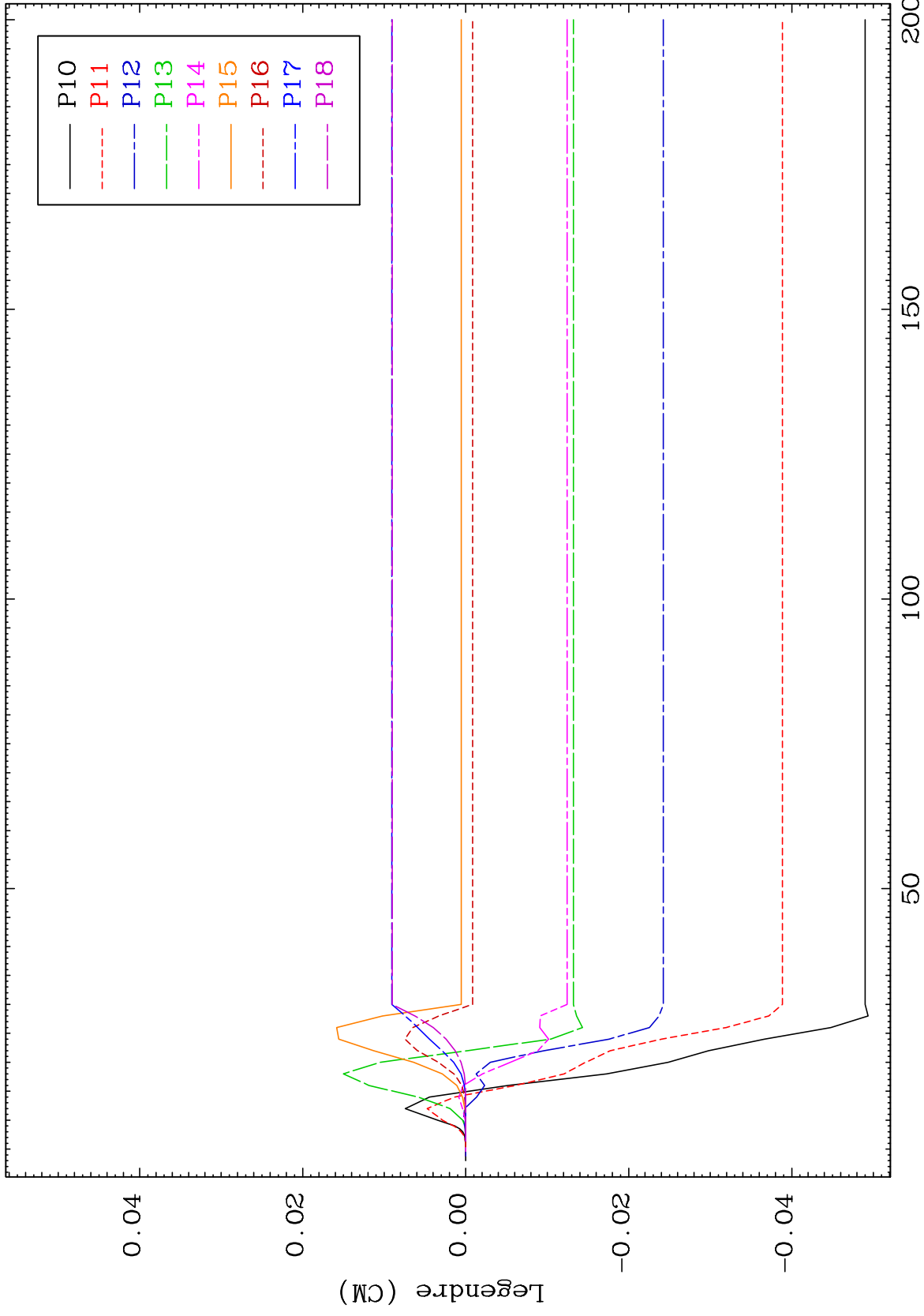
Incident Energy (MeV)

103

MAT 4861

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

48-Cd-118



104

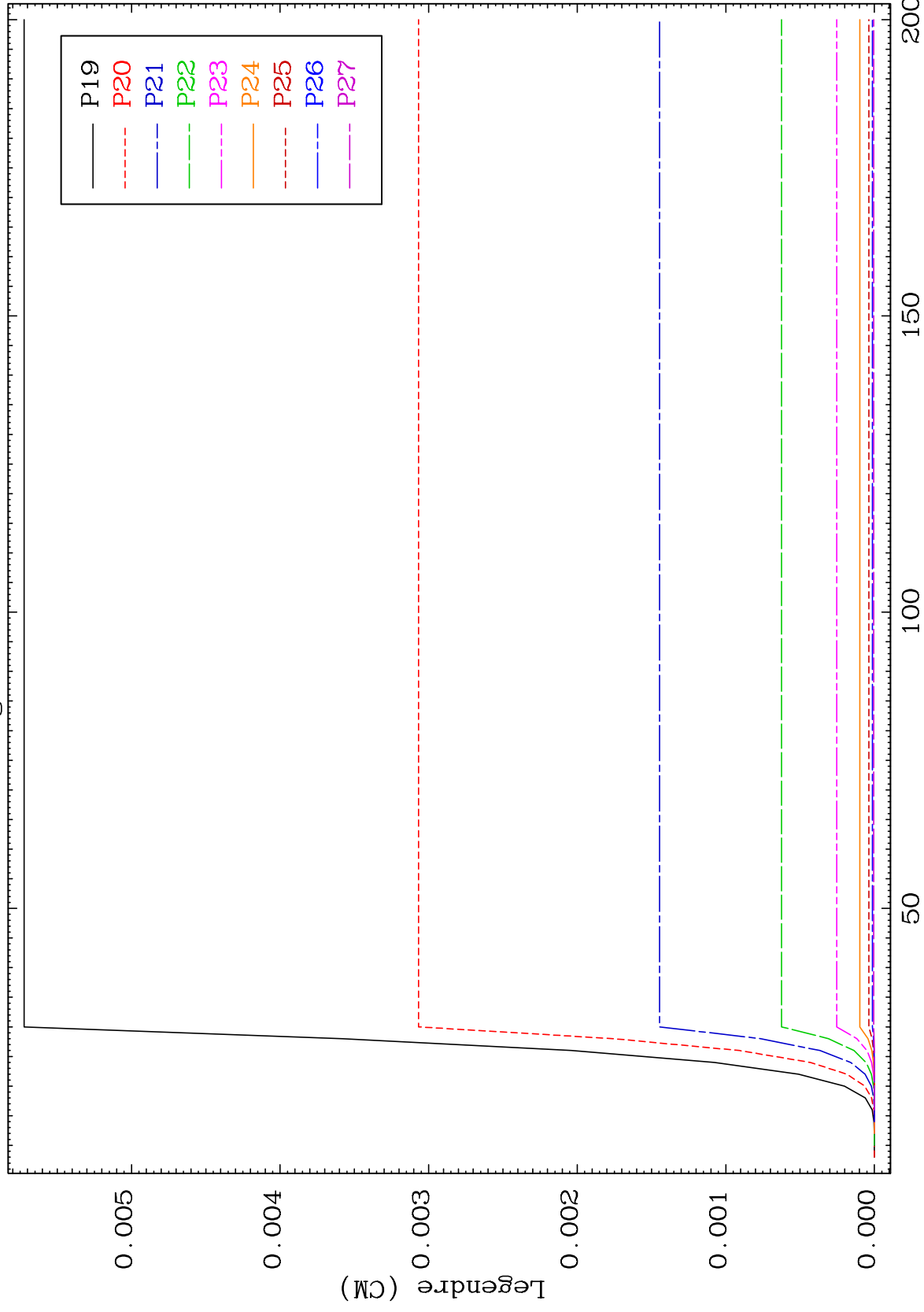
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



105

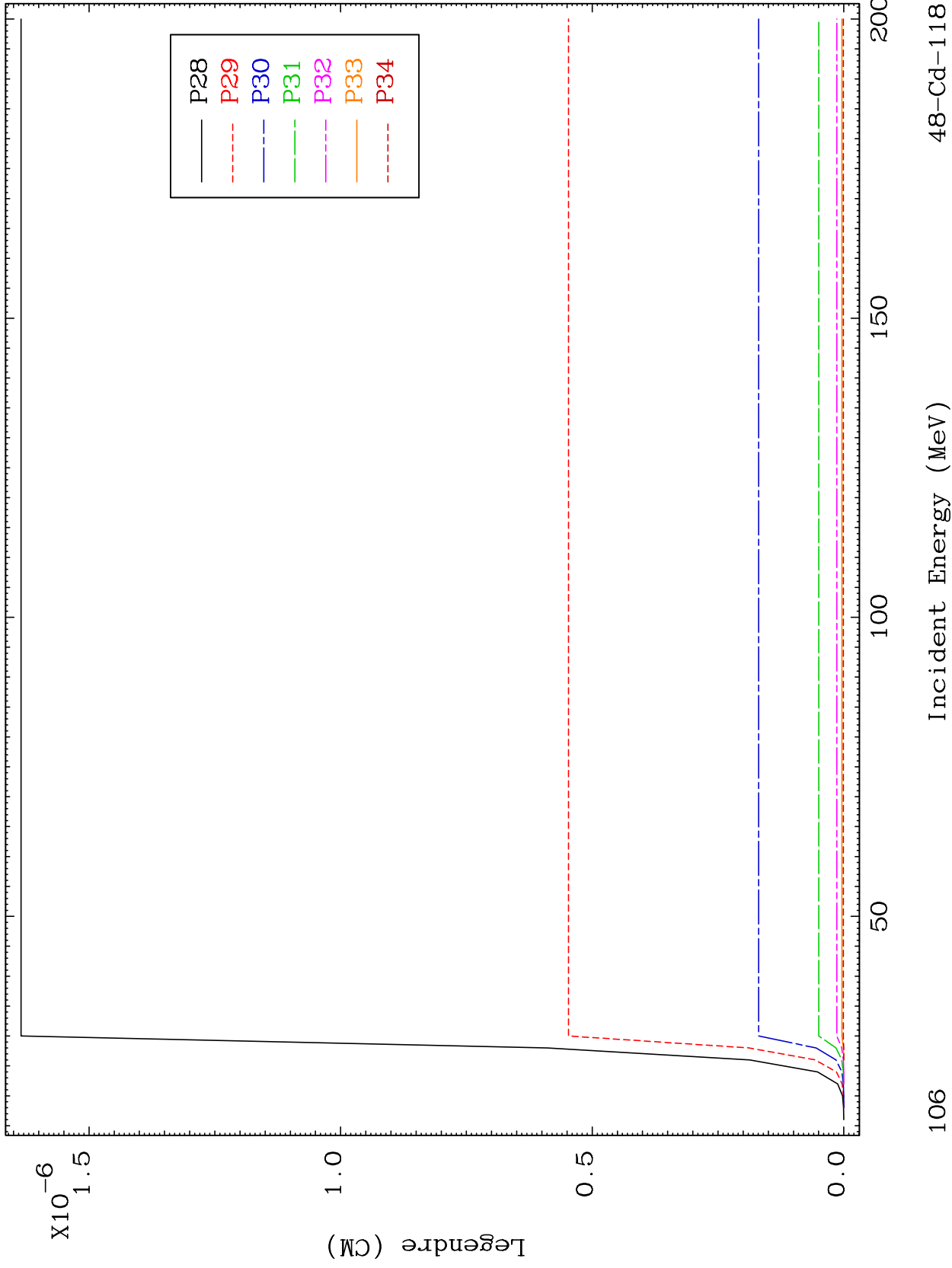
Incident Energy (MeV)

48-Cd-118

MAT 4861

48-Cd-118

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



106

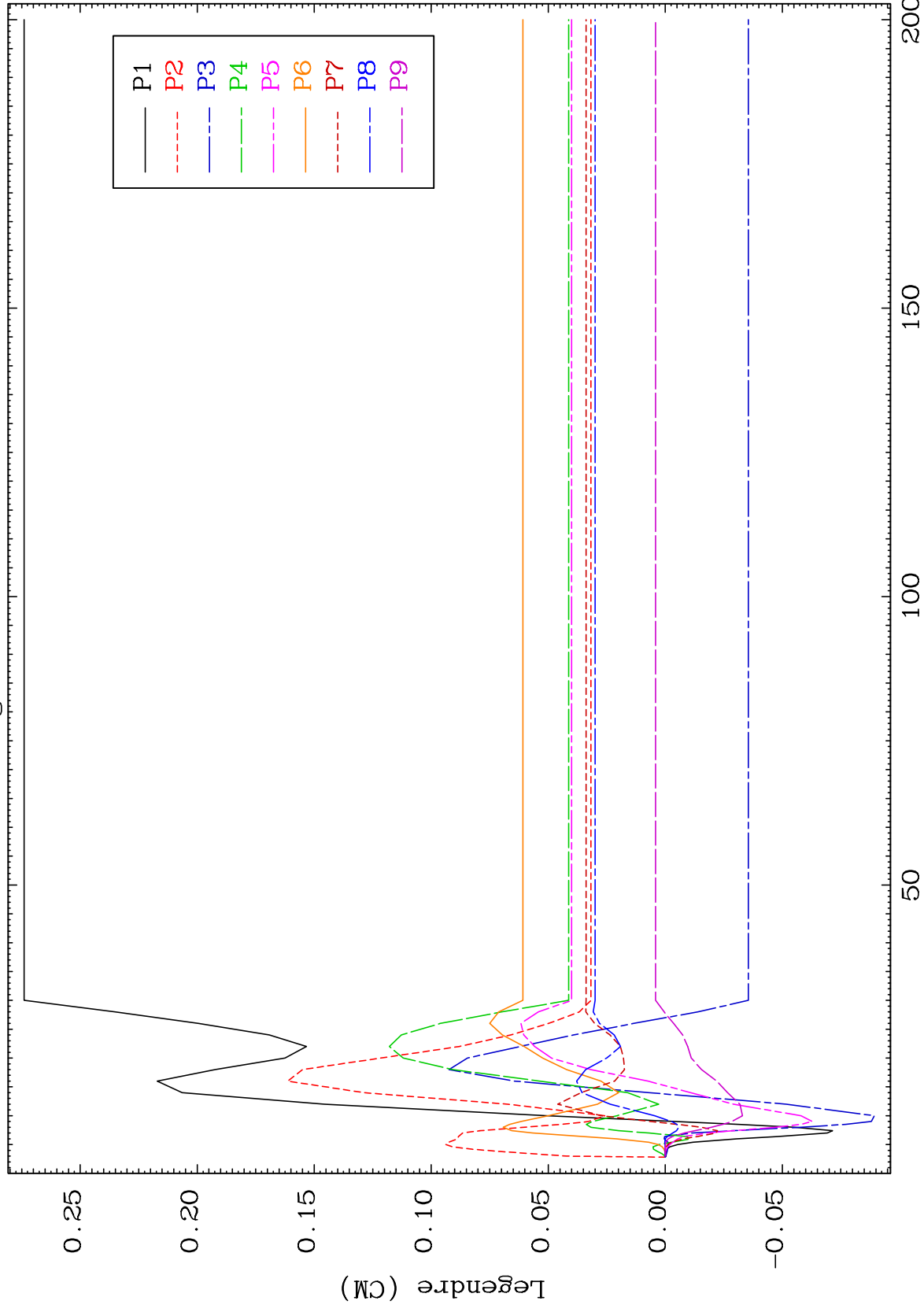
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



107

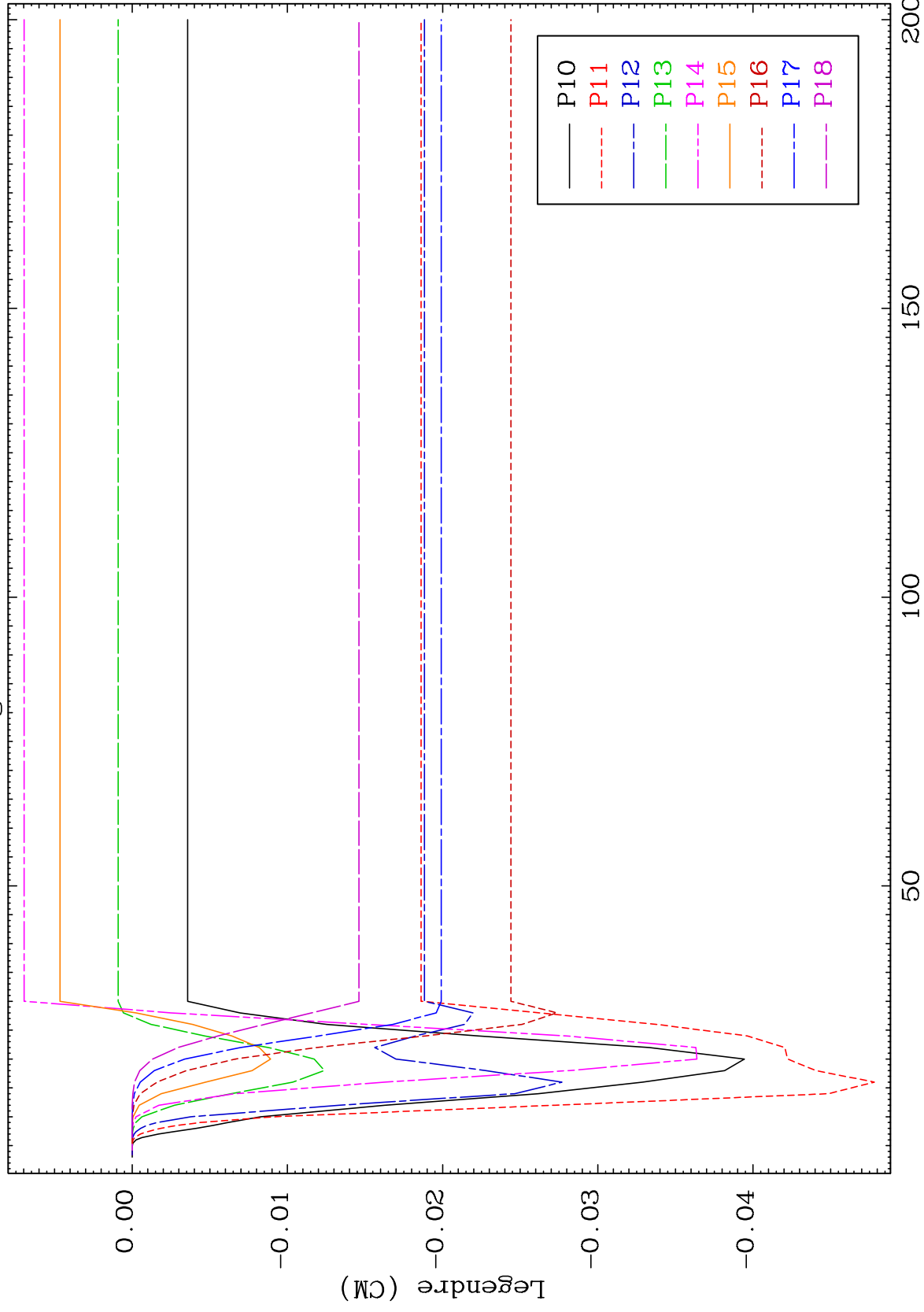
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

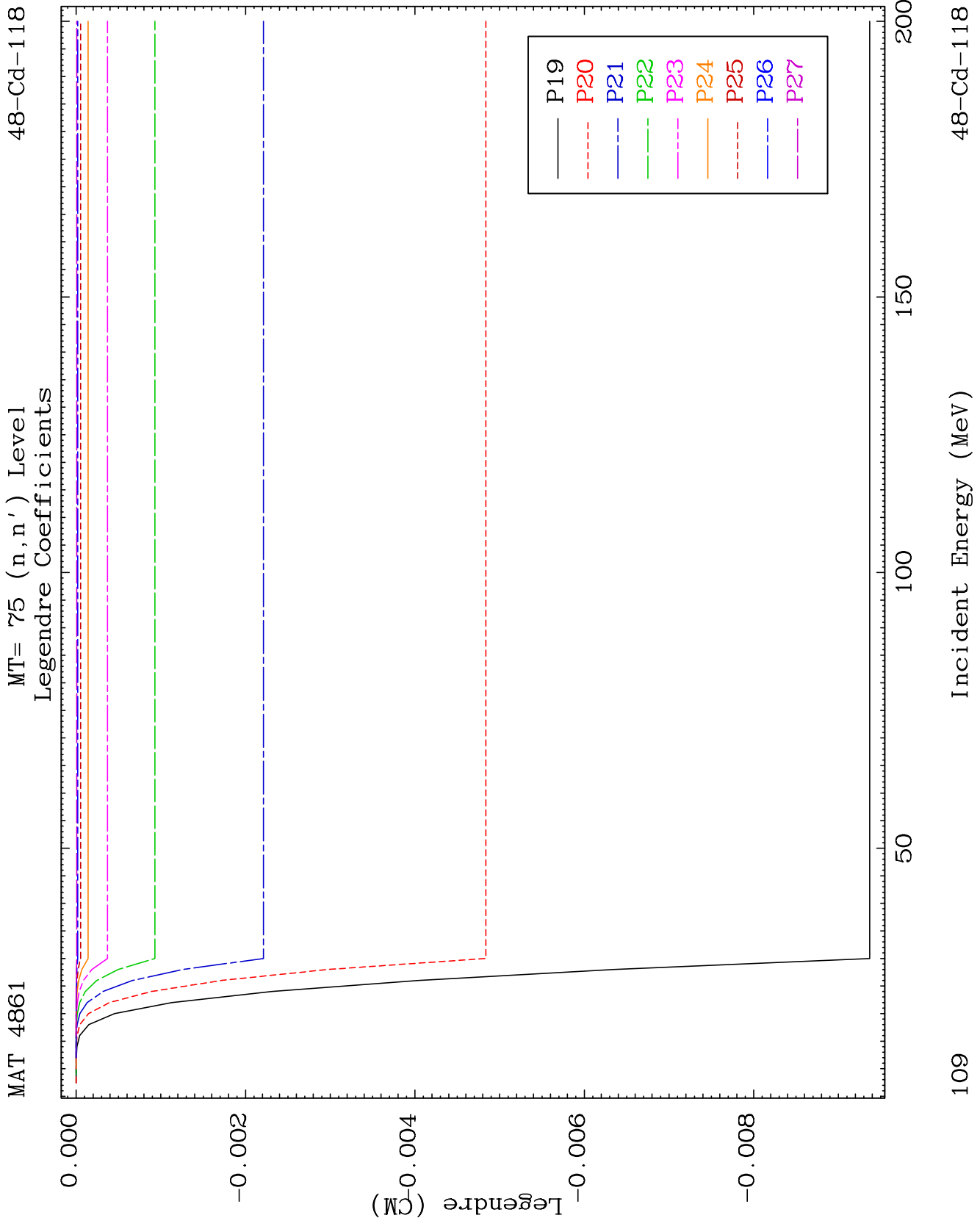
48-Cd-118

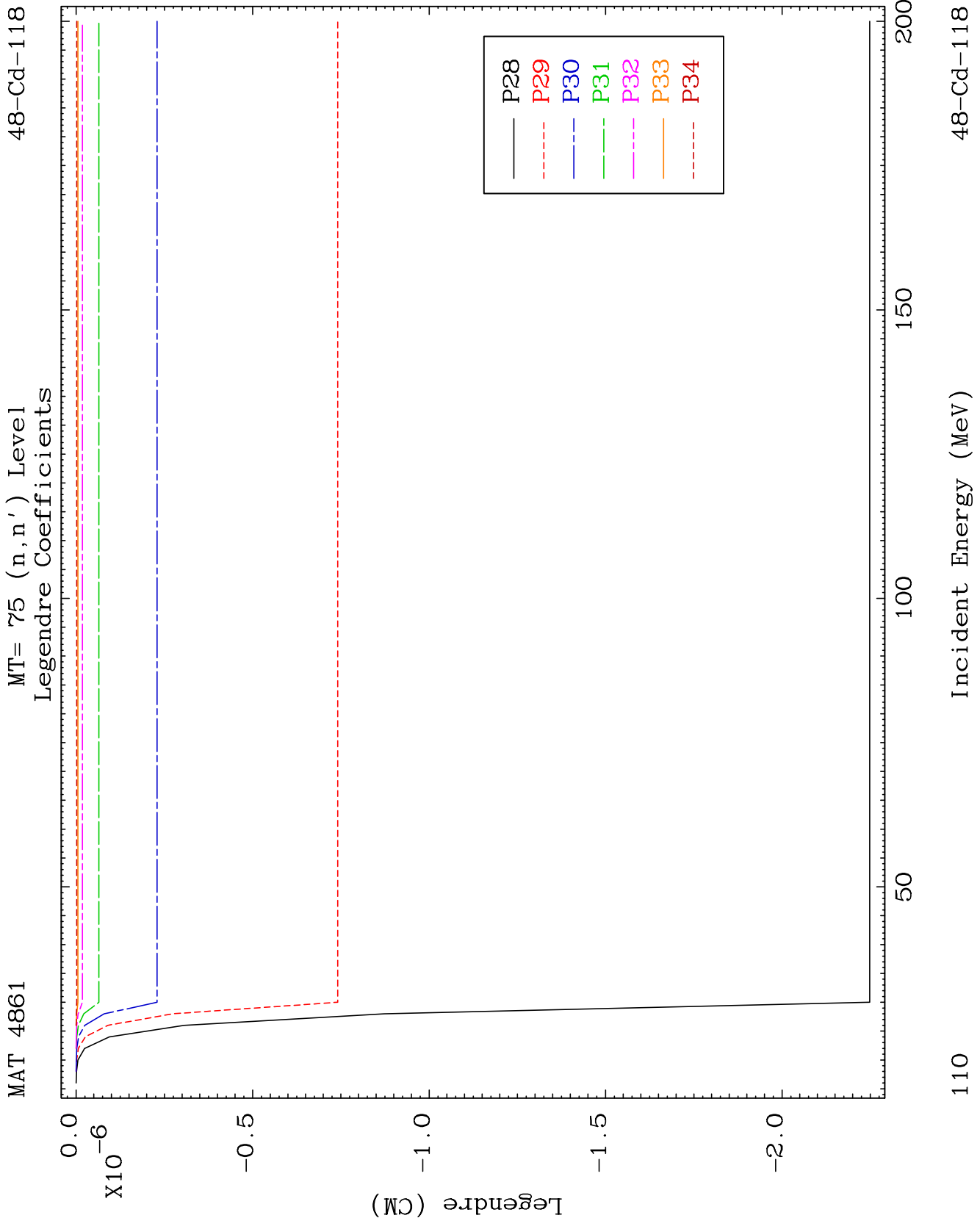


108

Incident Energy (MeV)

48-Cd-118

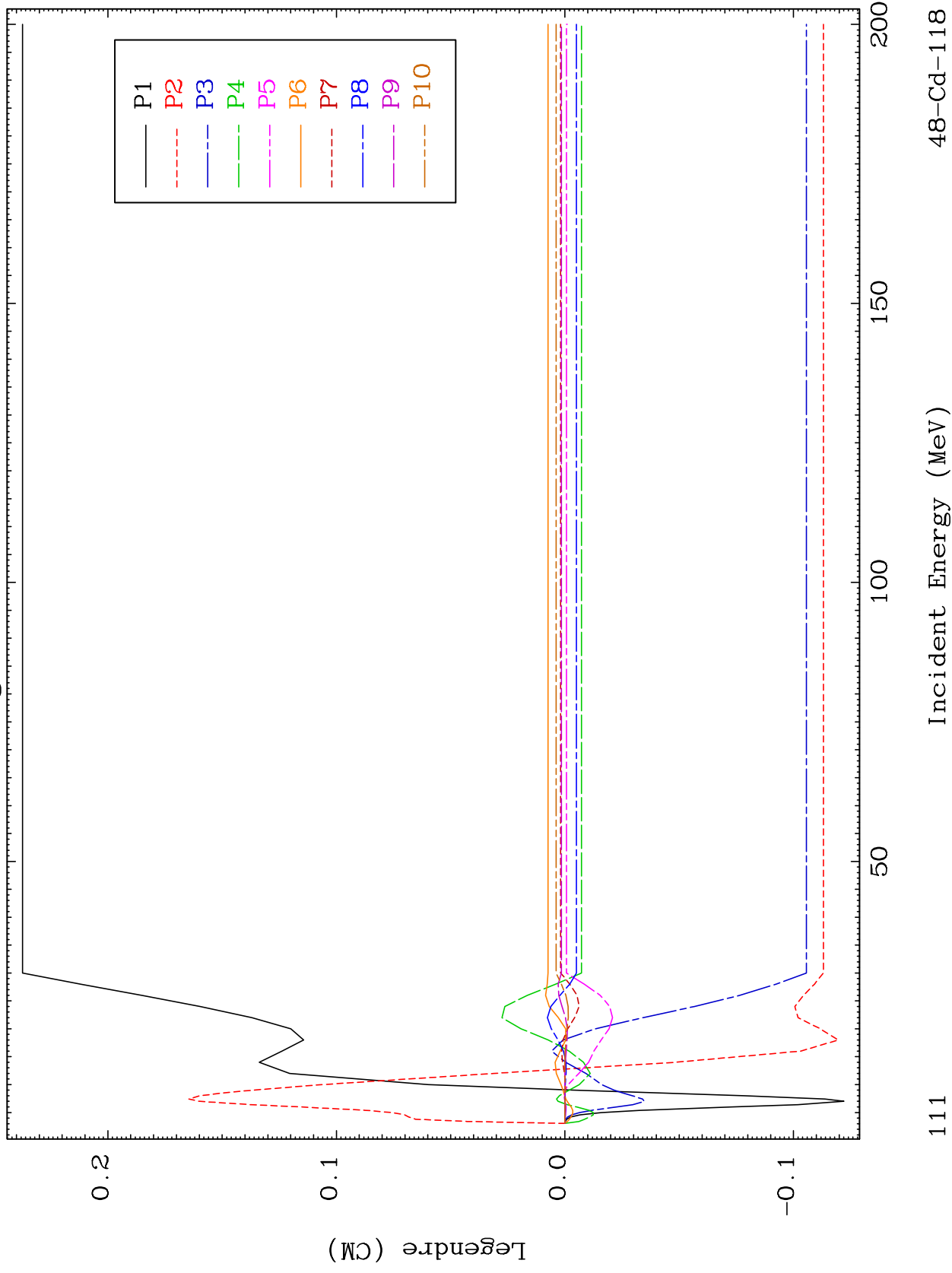




MAT 4861

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

48-Cd-118

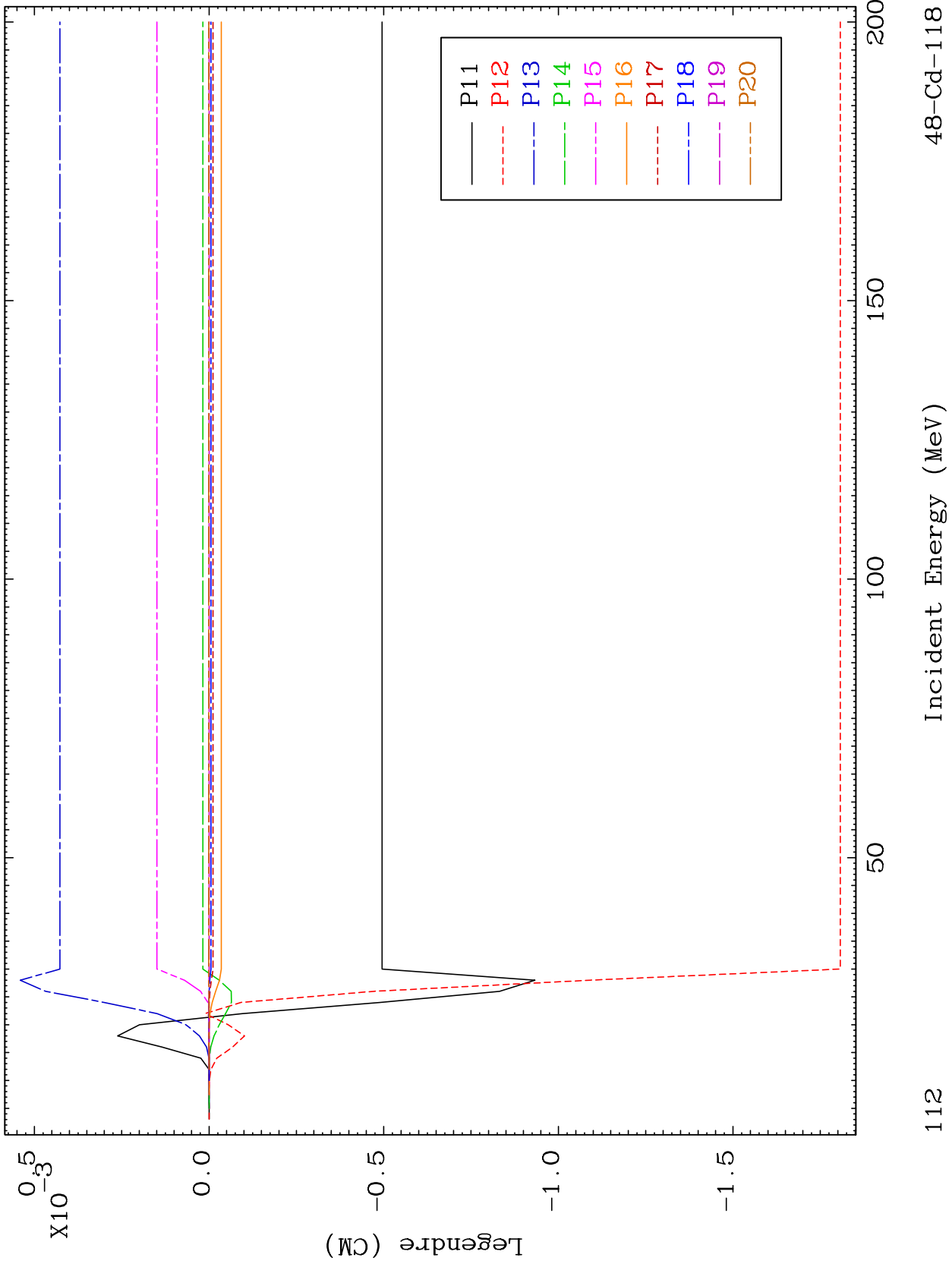


111

MAT 4861

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

48-Cd-118



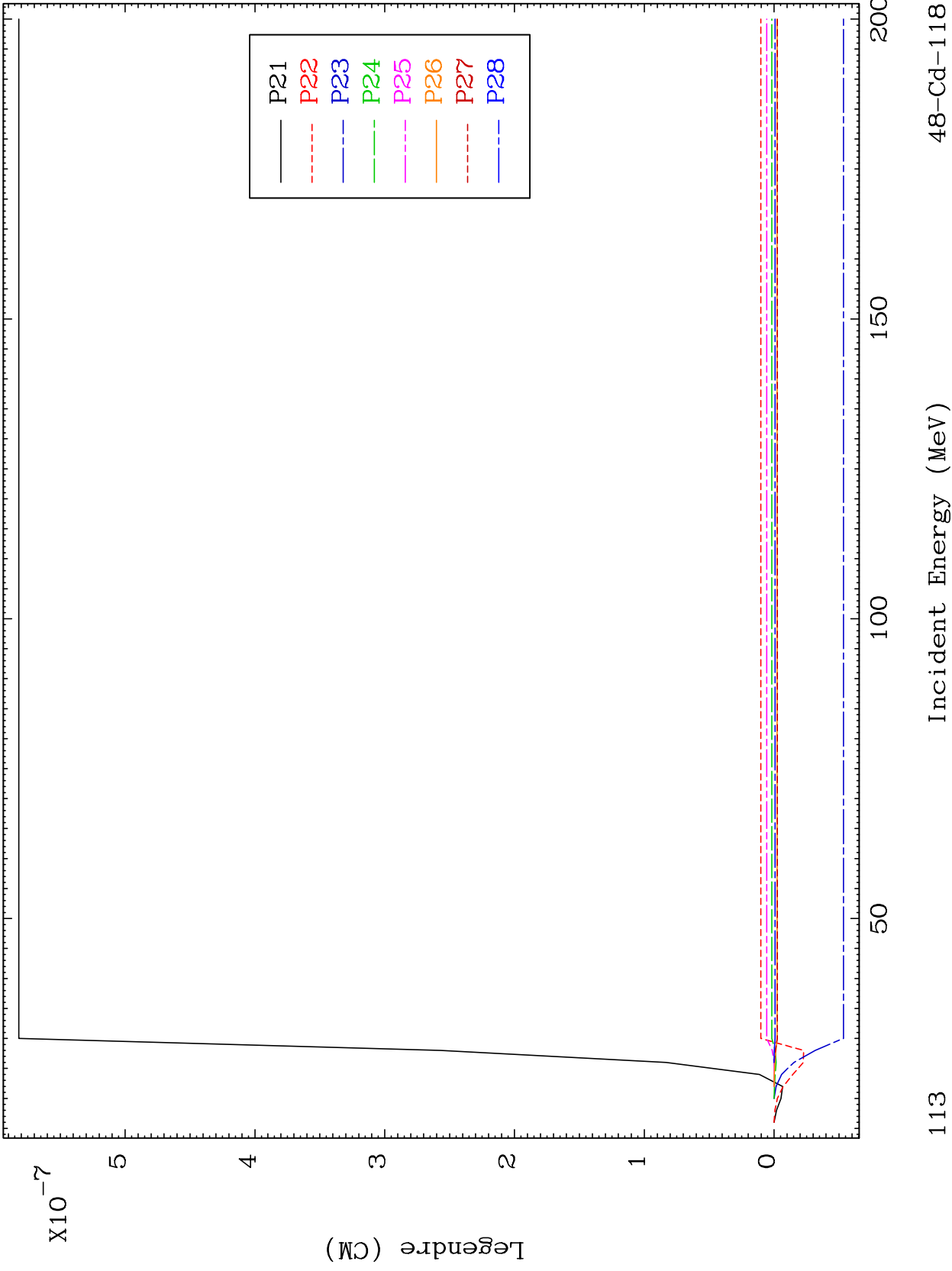
112

48-Cd-118

MAT 4861

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

48-Cd-118



113

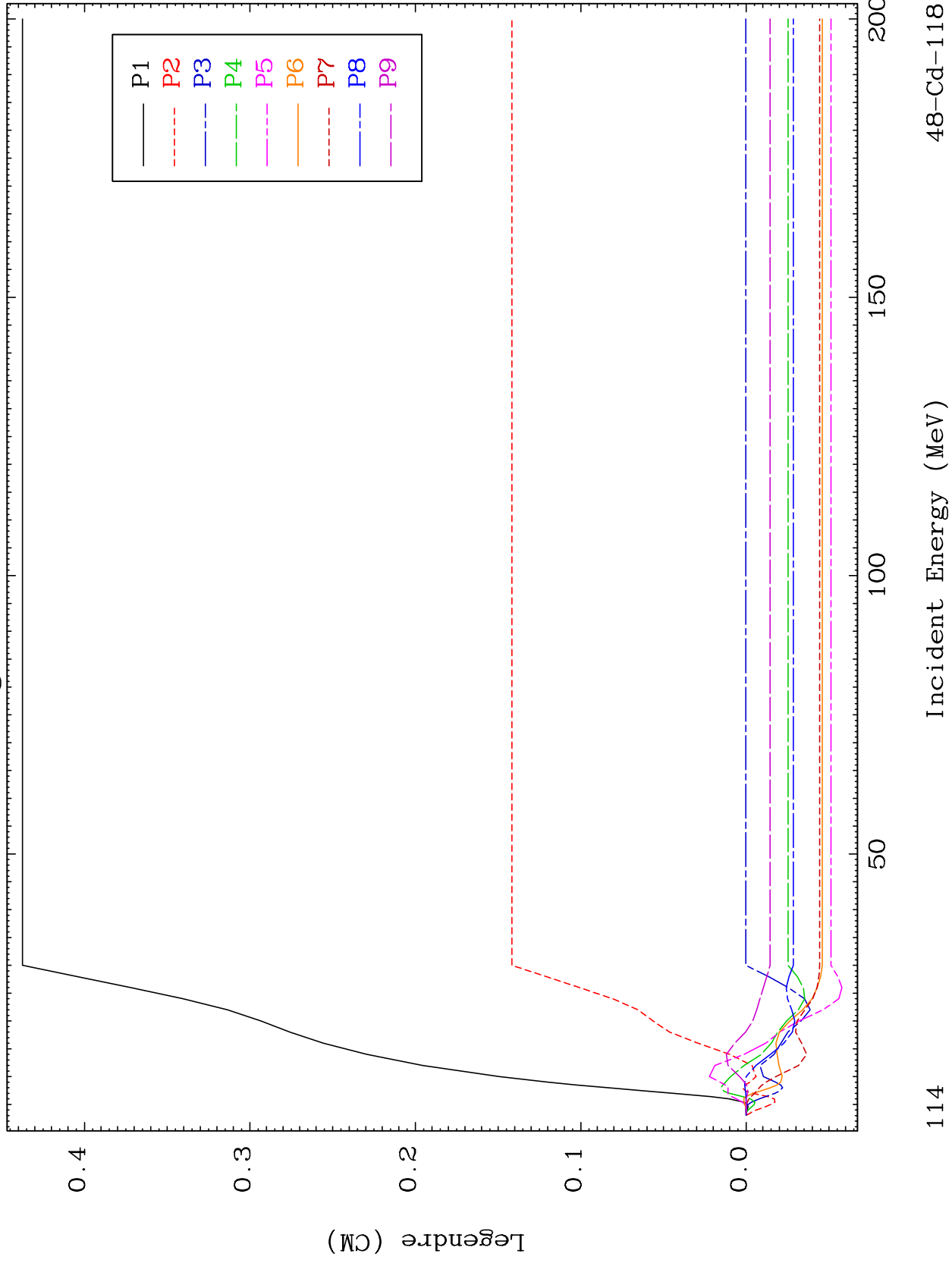
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



114

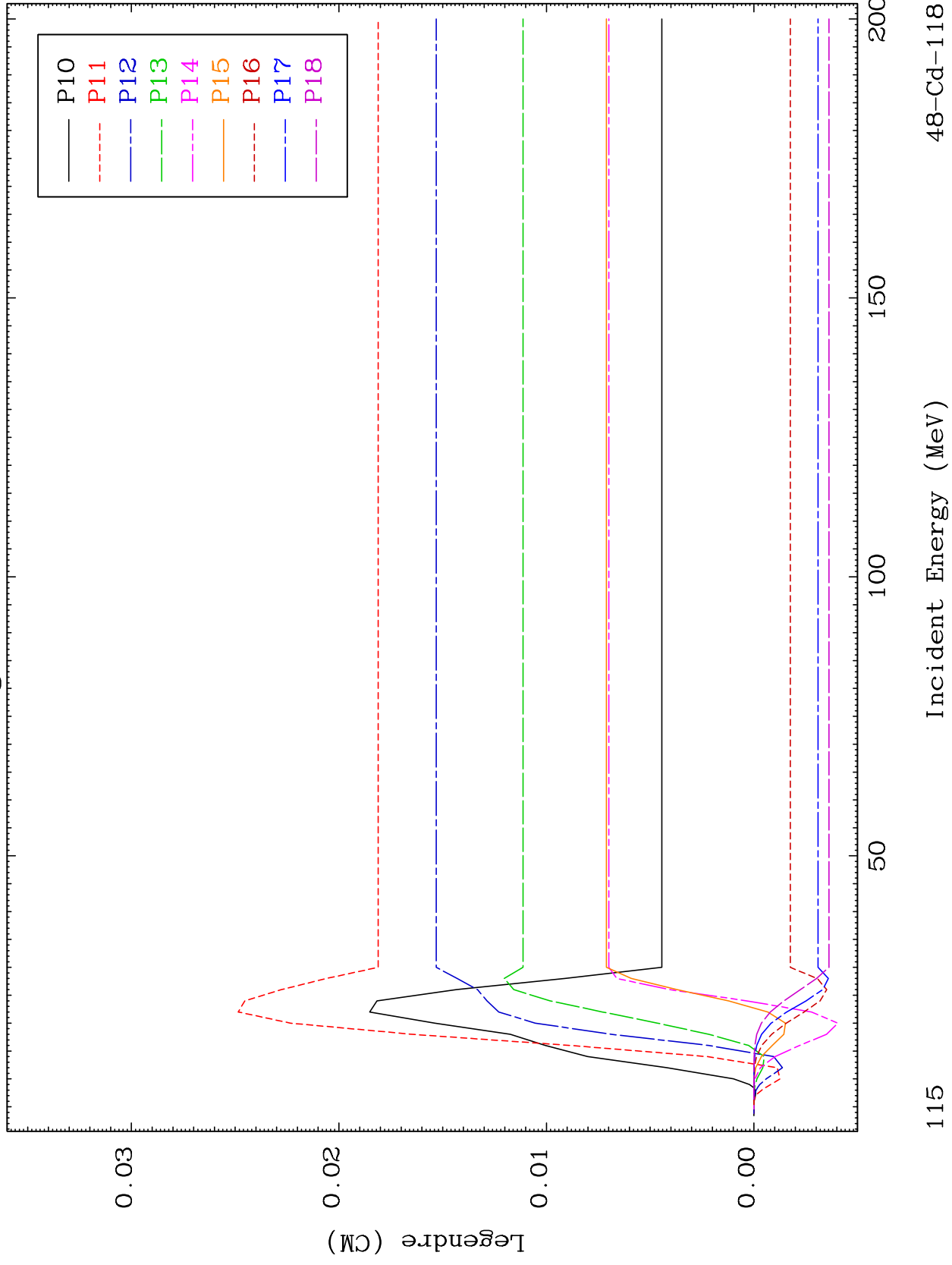
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118

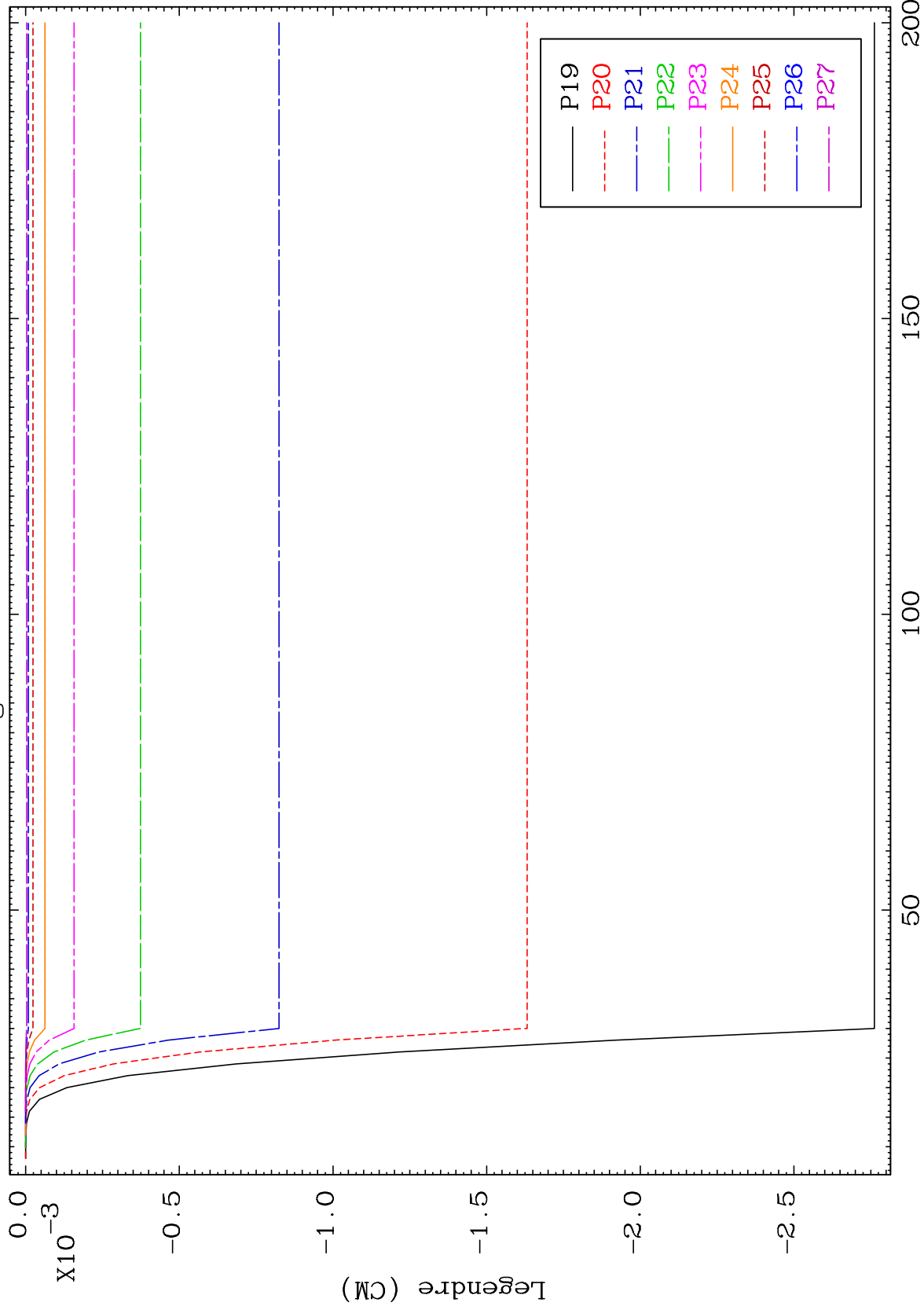


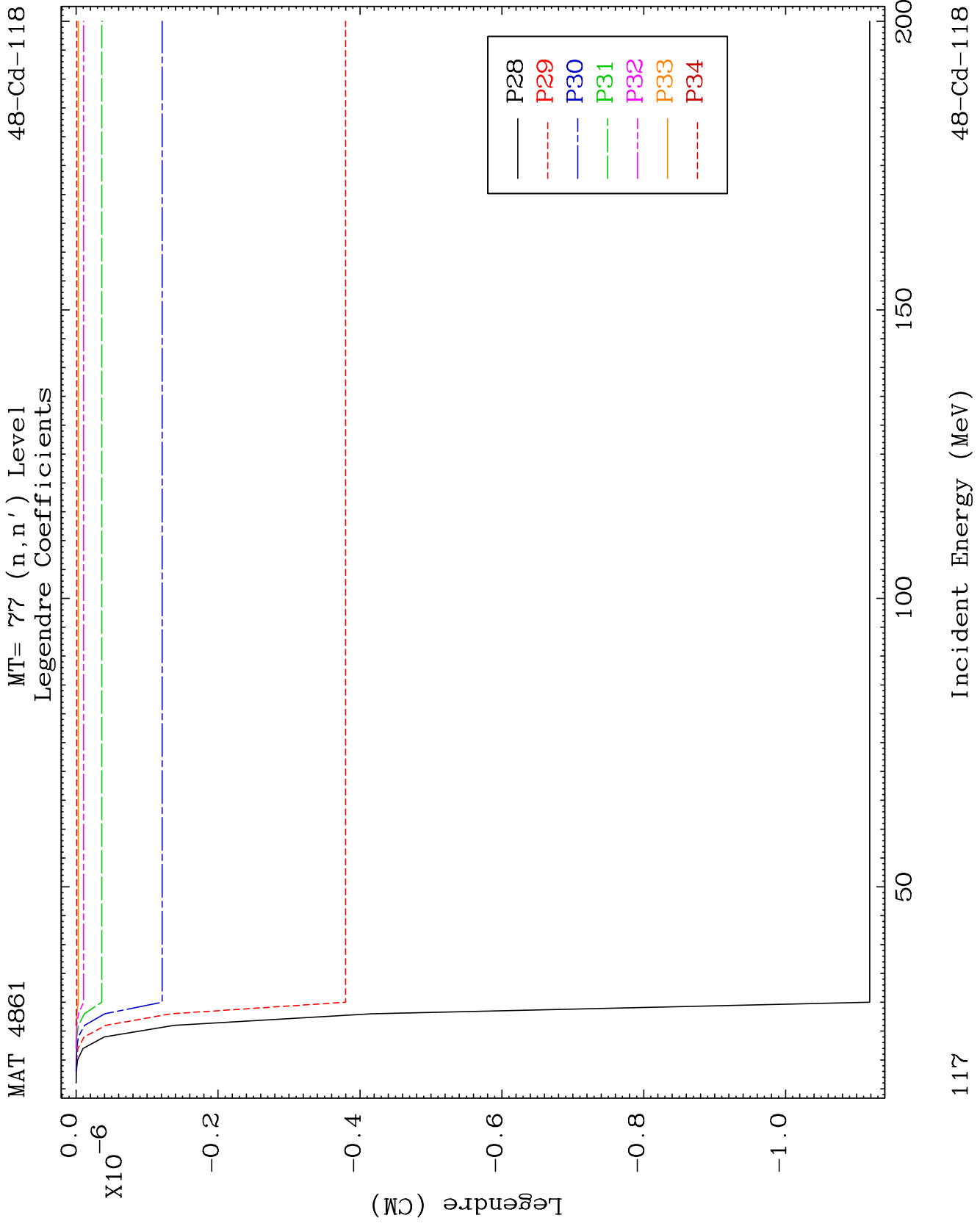
48-Cd-118

Incident Energy (MeV)

115

Legendre Coefficients

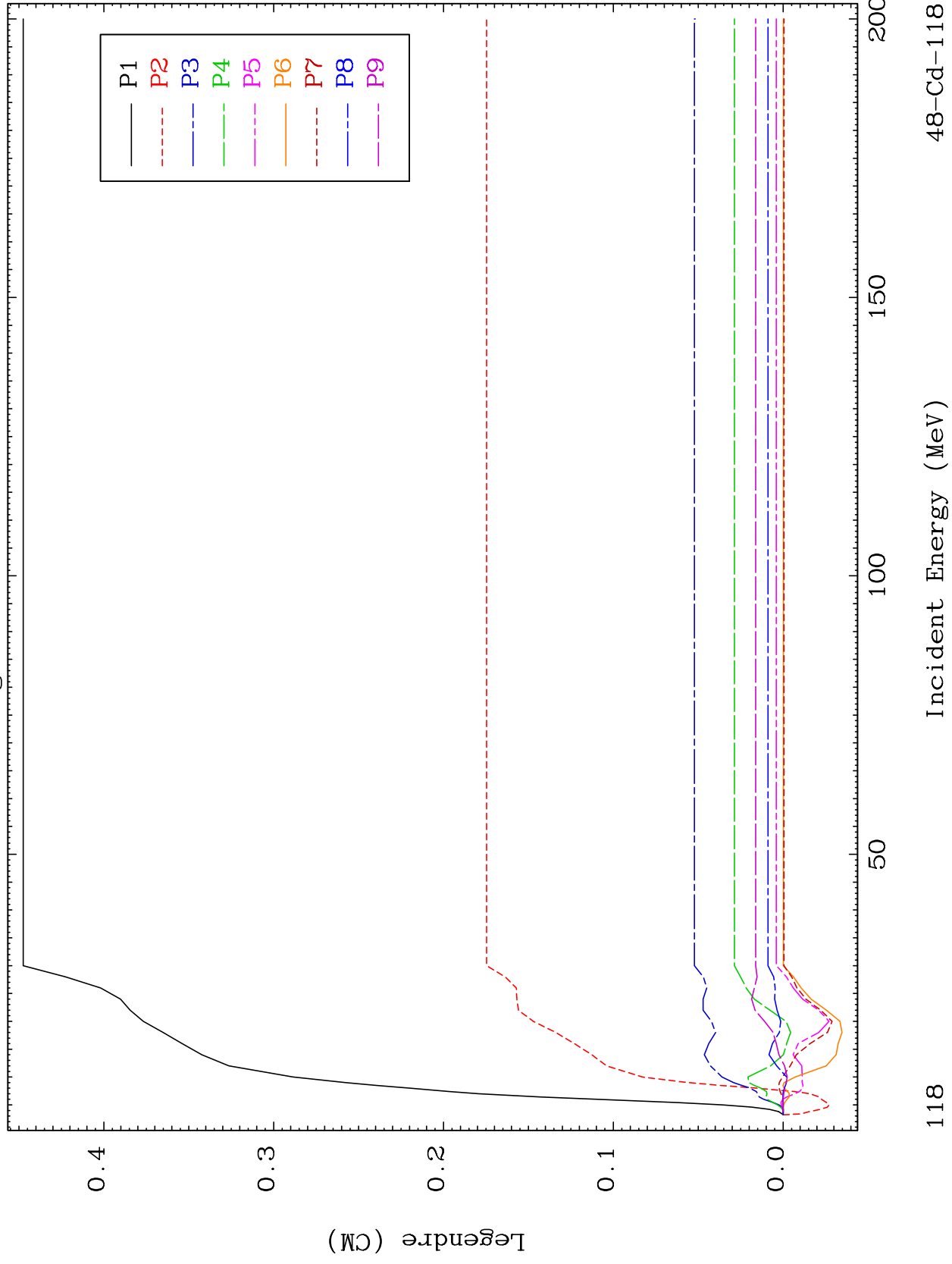




MAT 4861

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

48-Cd-118



48-Cd-118

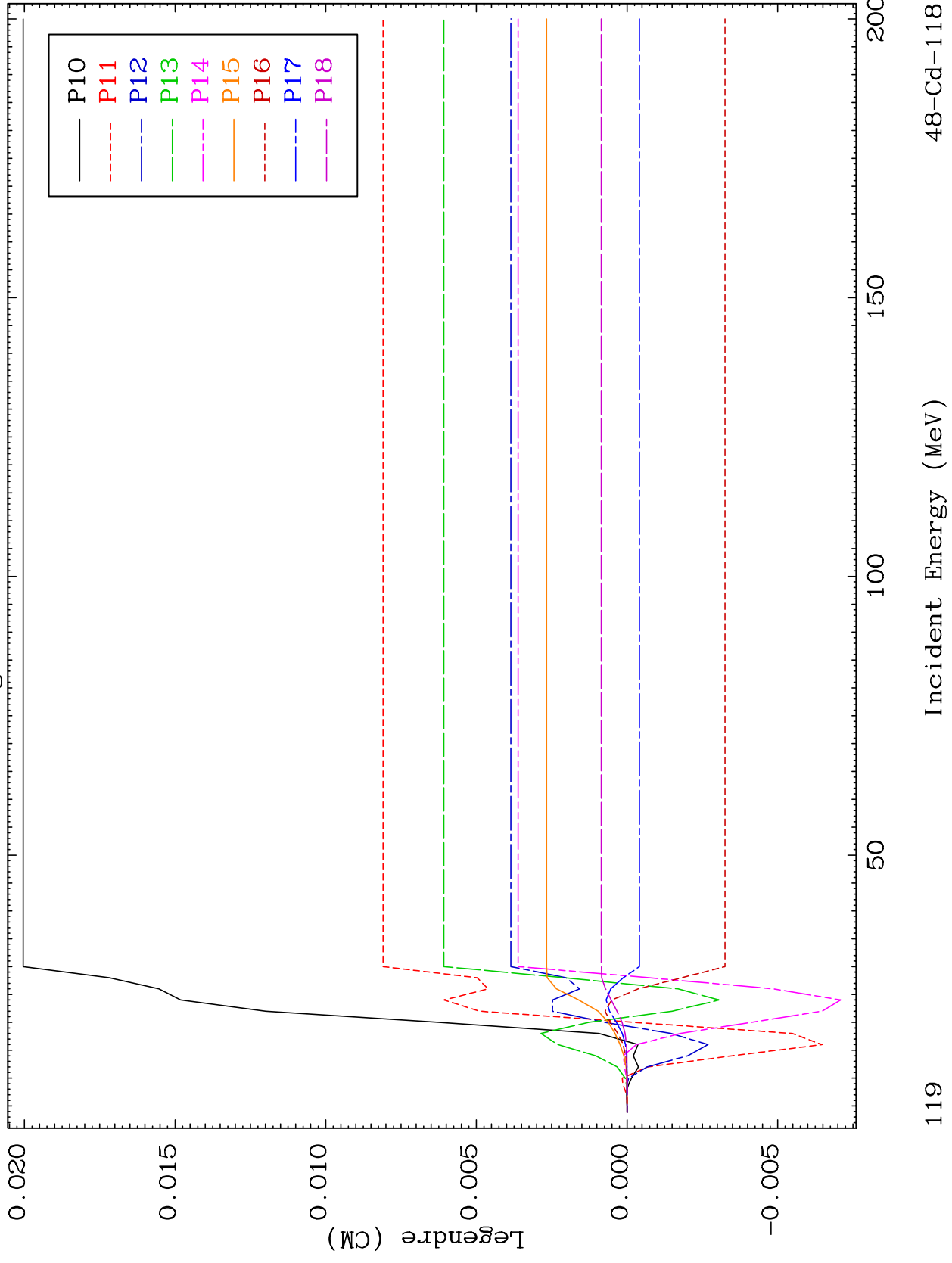
Incident Energy (MeV)

118

MAT 4861

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

48-Cd-118



119

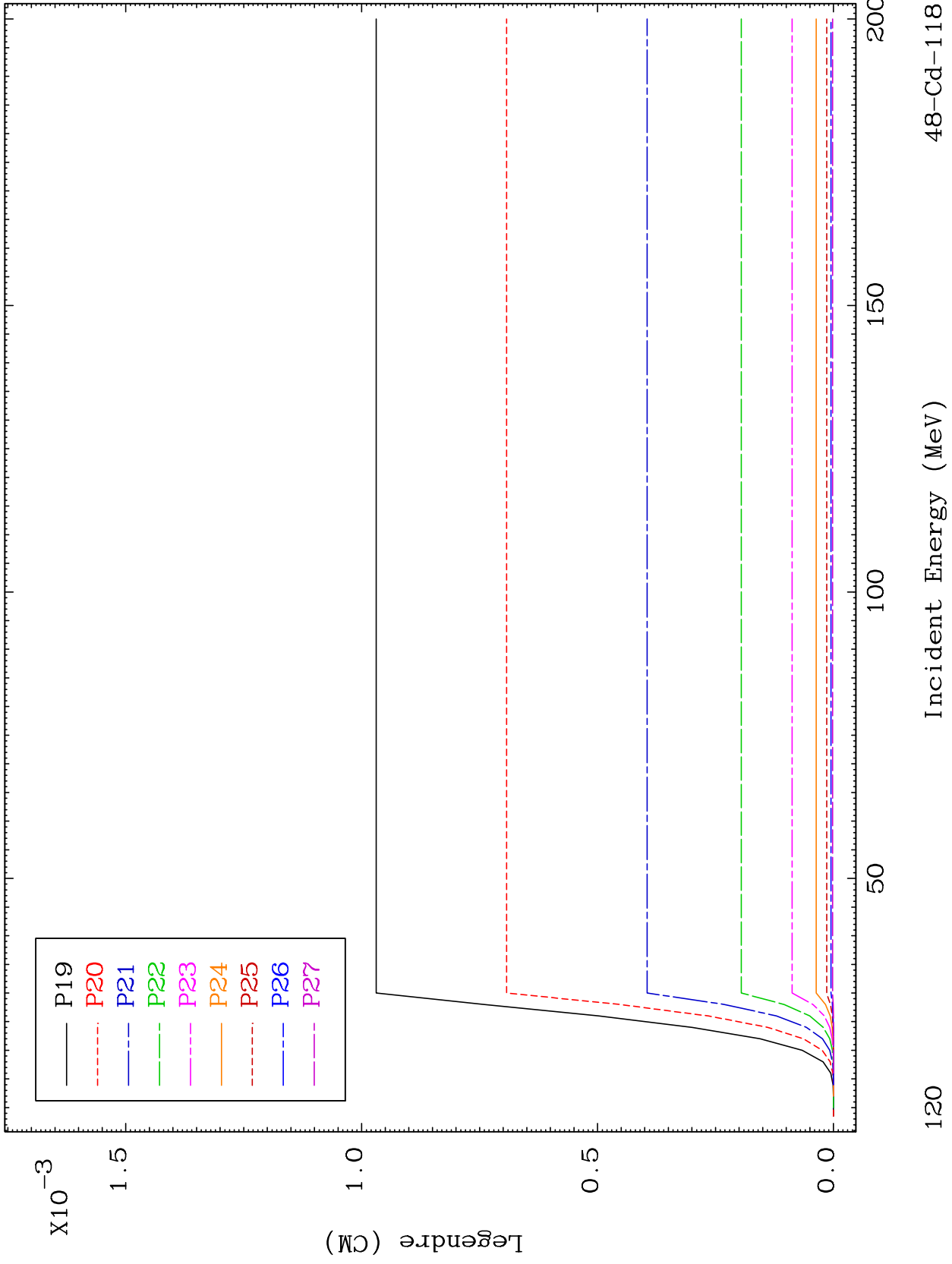
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118

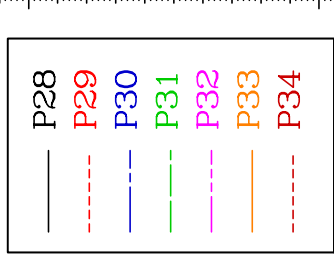


MAT 4861

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

48-Cd-118

$\times 10^{-7}$



Legendre (CM)

6

4

2

0

50

100

150

200

121

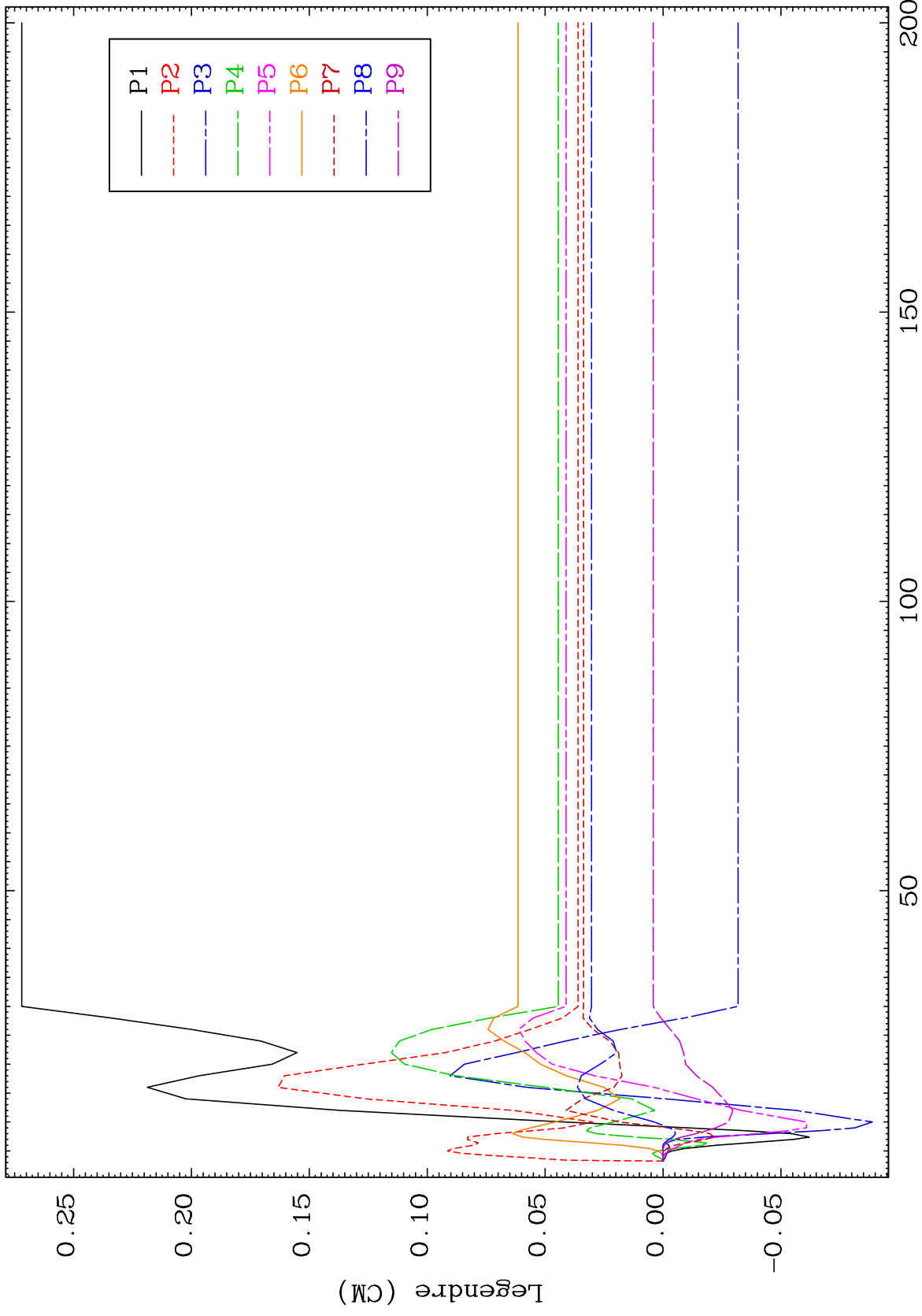
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



122

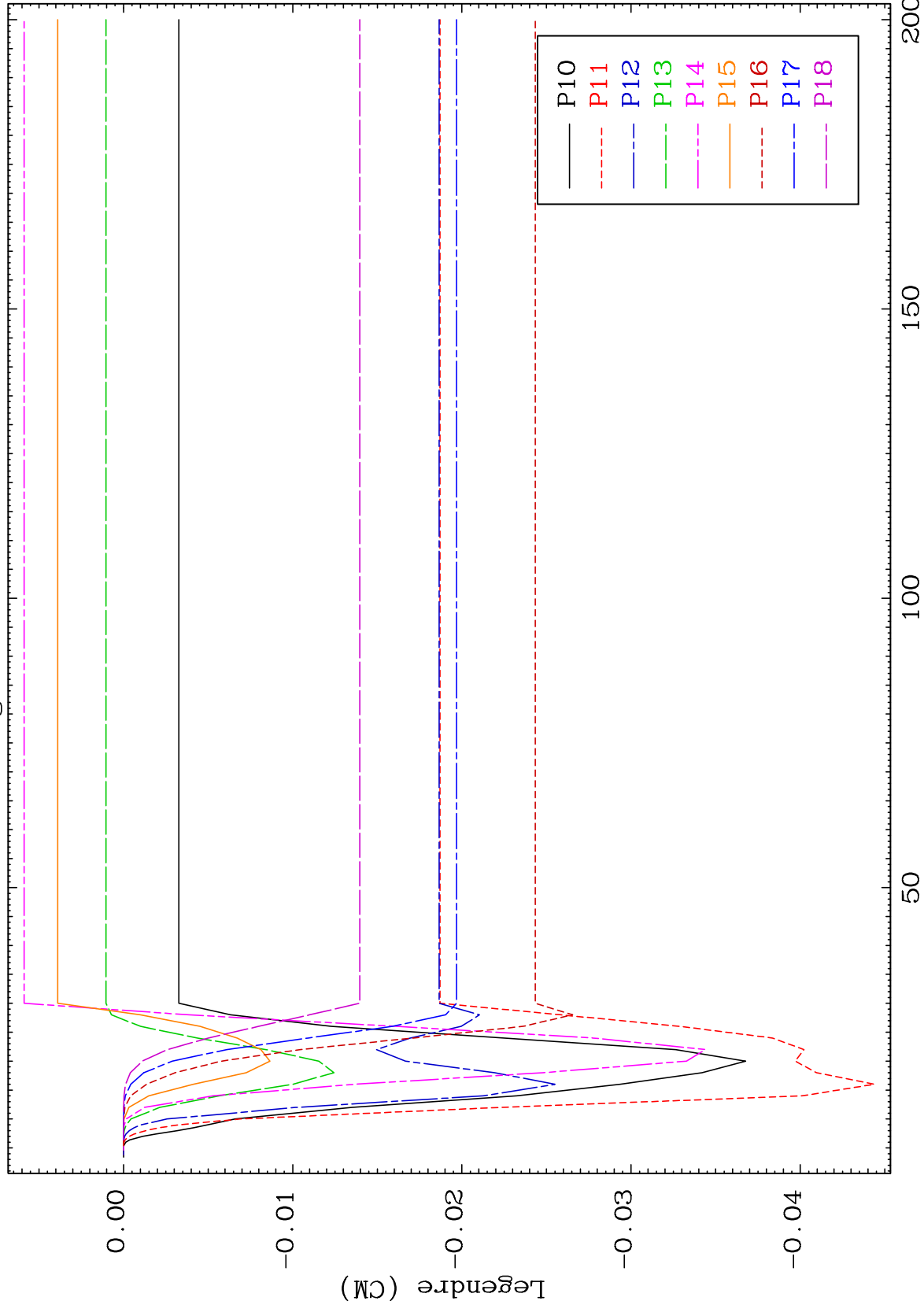
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

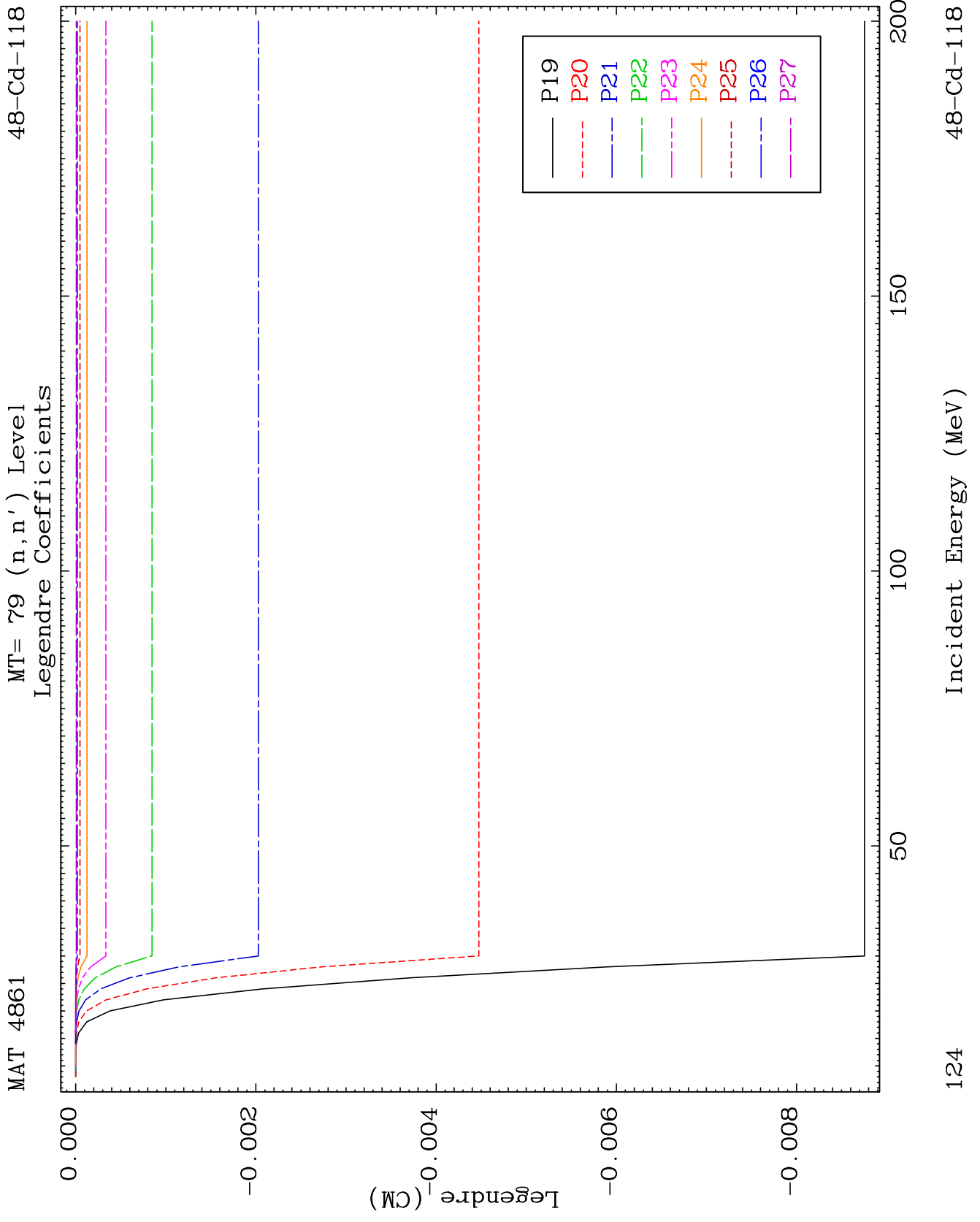
48-Cd-118



123

Incident Energy (MeV)

48-Cd-118

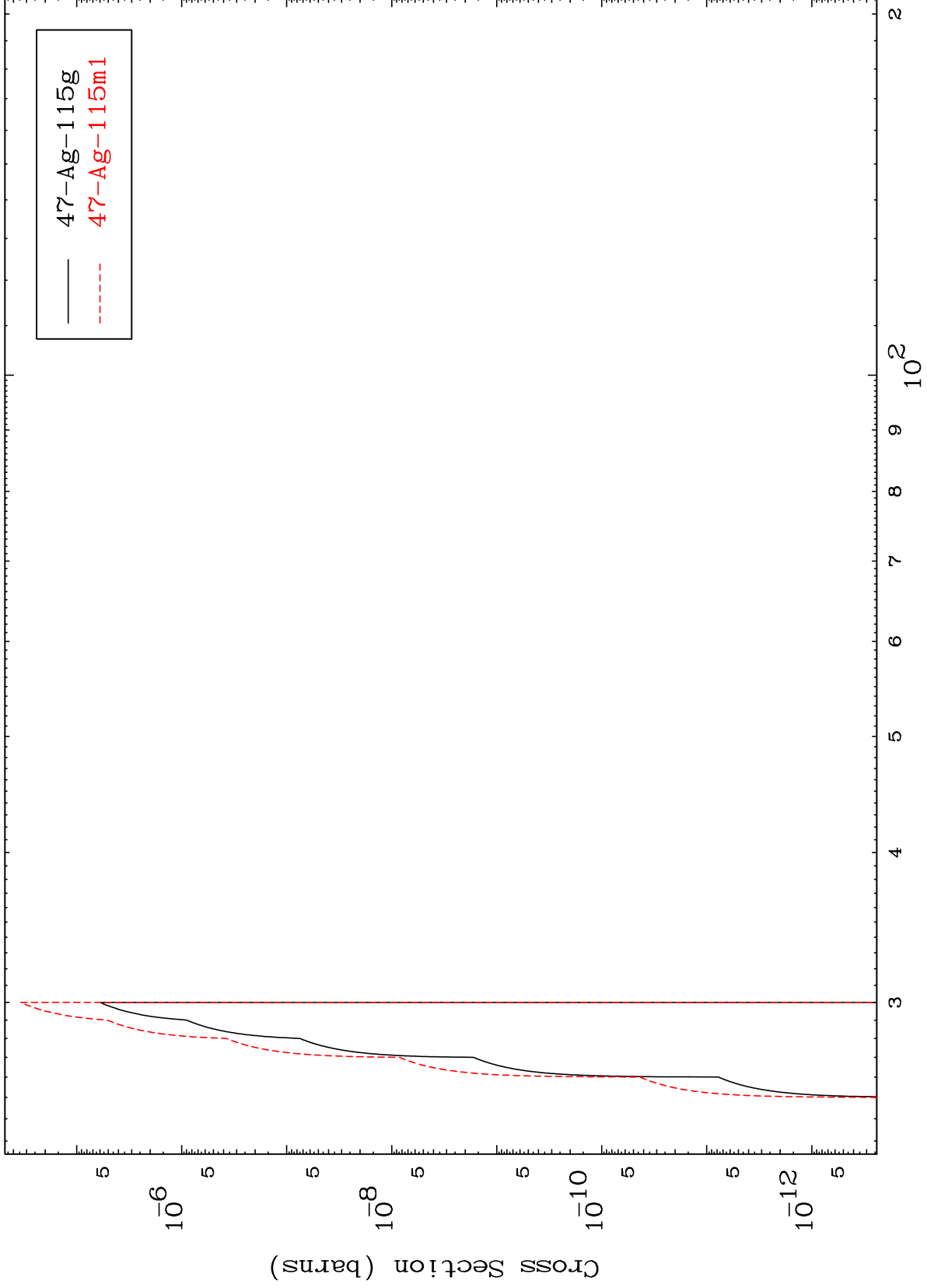


MAT 4861

(n,2n) d

48-Cd-118

Radionuclide Production Cross Section



126

Incident Energy (MeV)

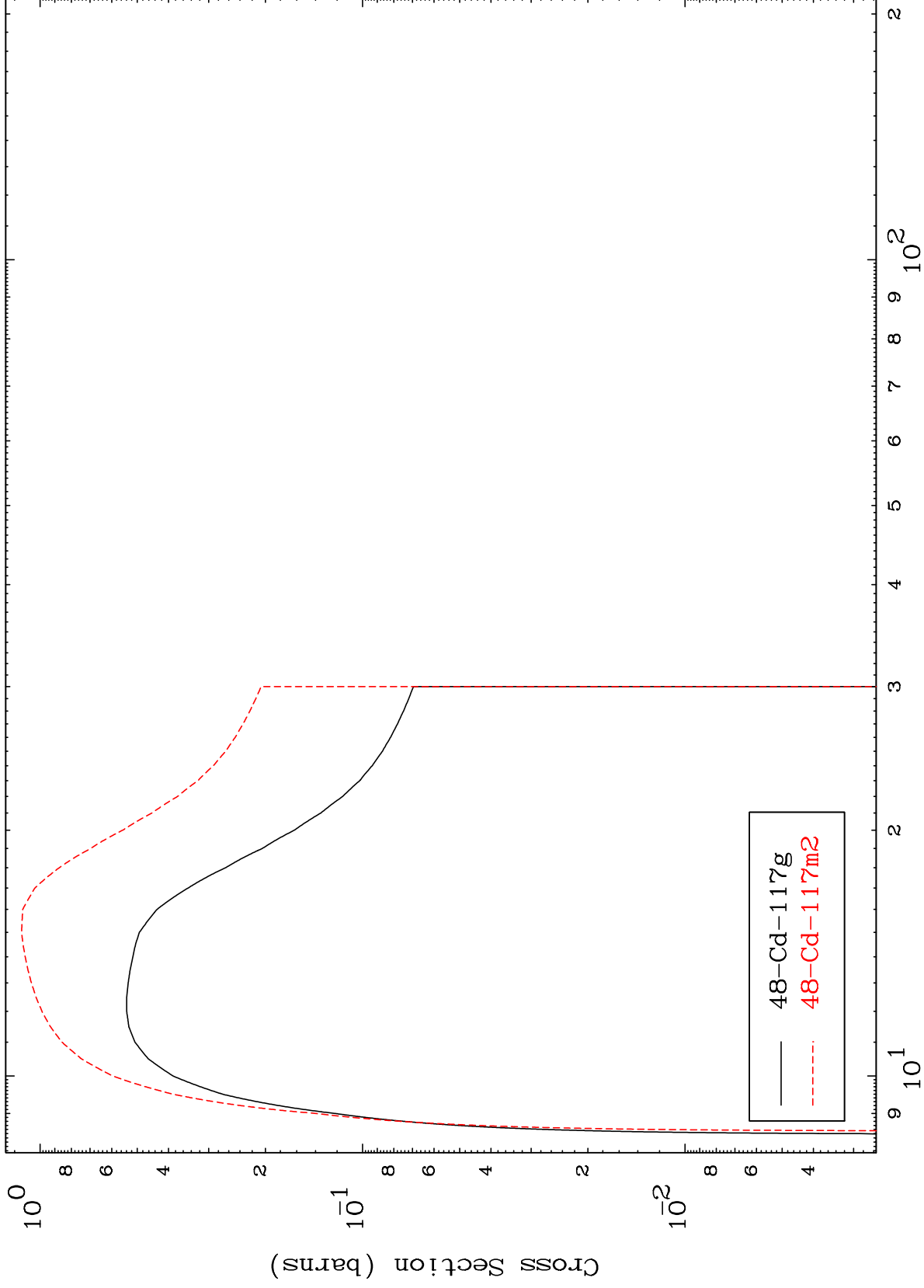
48-Cd-118

MAT 4861

(n,2n)

48-Cd-118

Radionuclide Production Cross Section



127

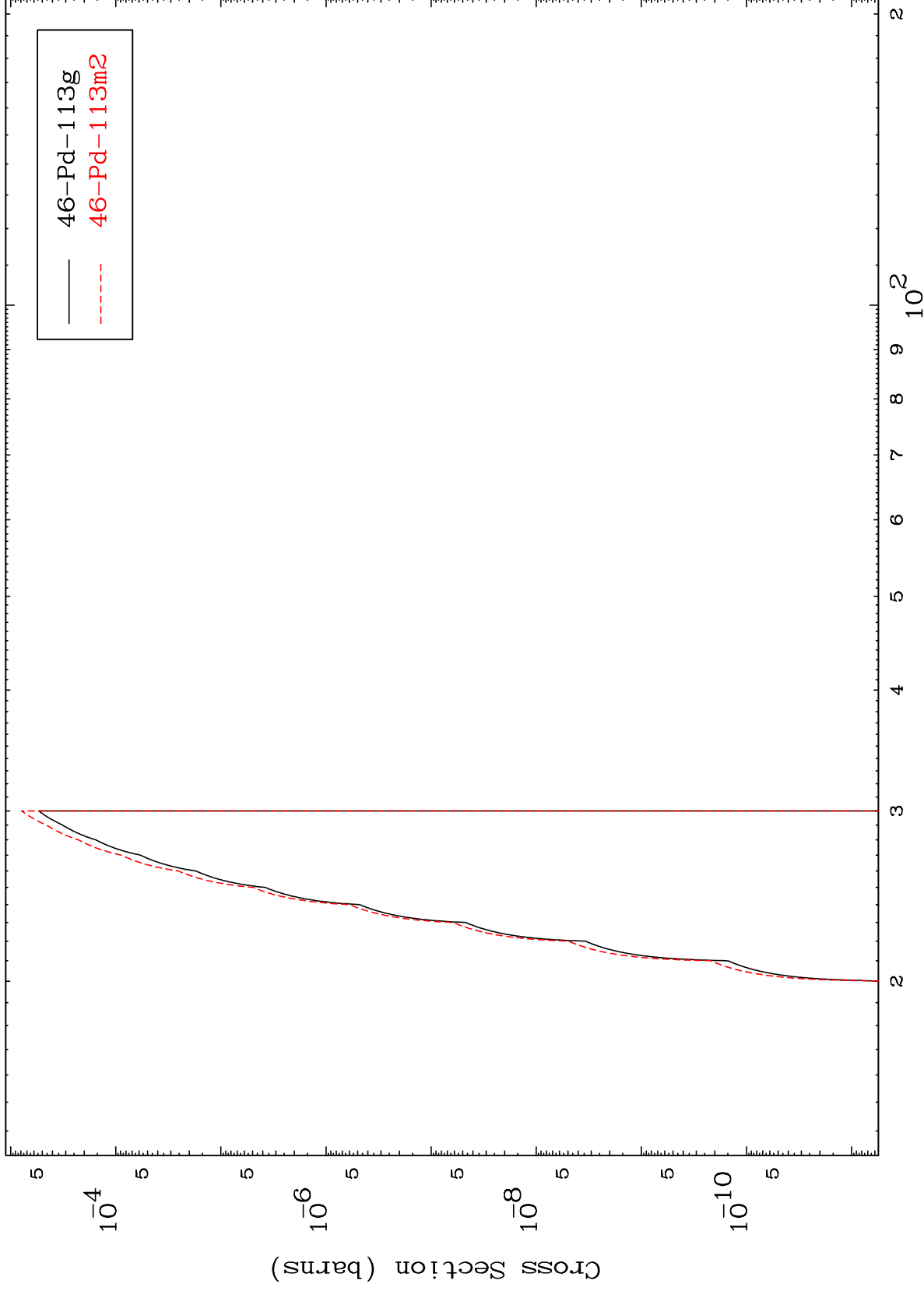
48-Cd-118

MAT 4861

(n,2n) α

48-Cd-118

Radionuclide Production Cross Section

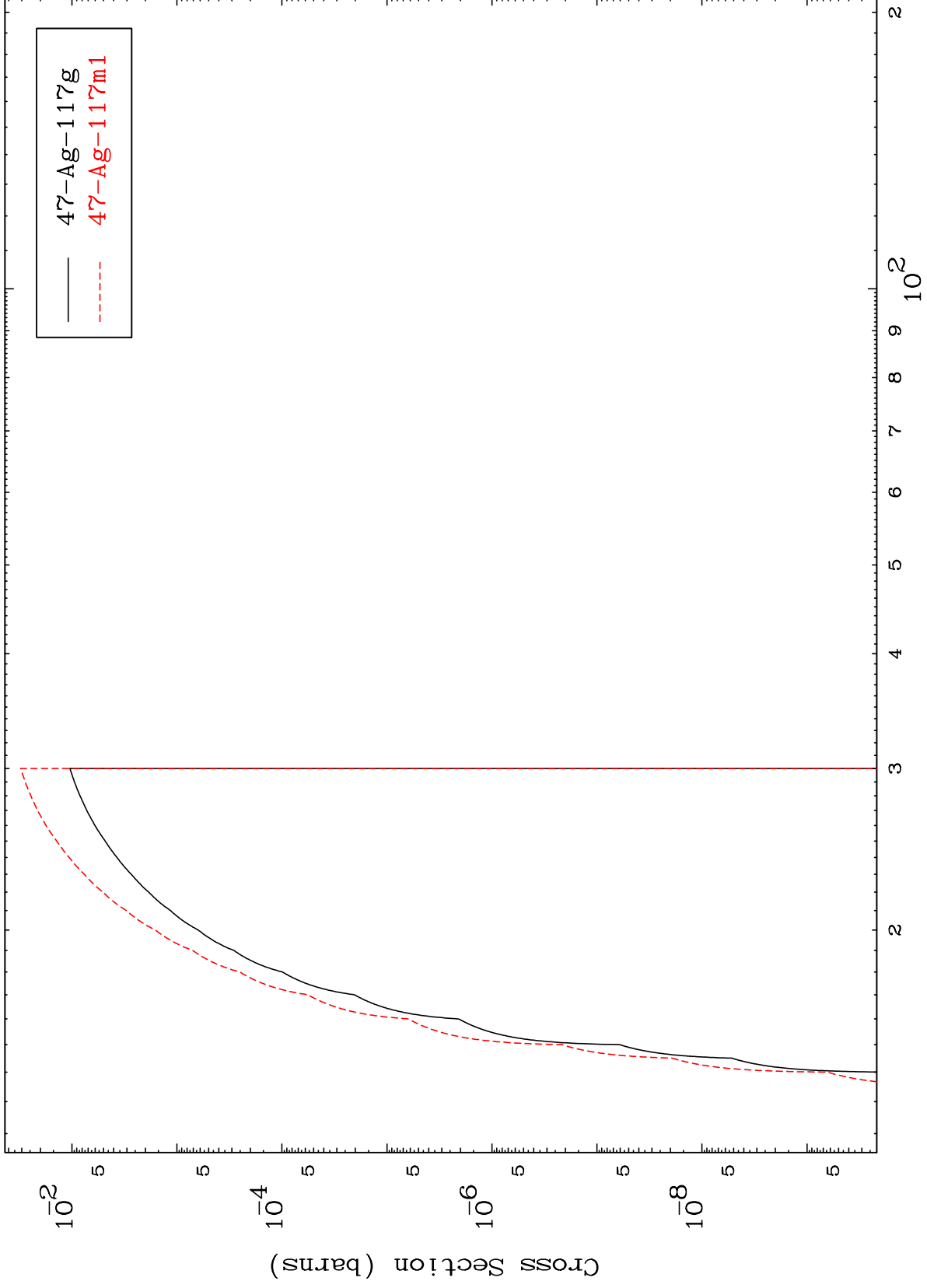


128

Incident Energy (MeV)

48-Cd-118

Radionuclide Production Cross Section

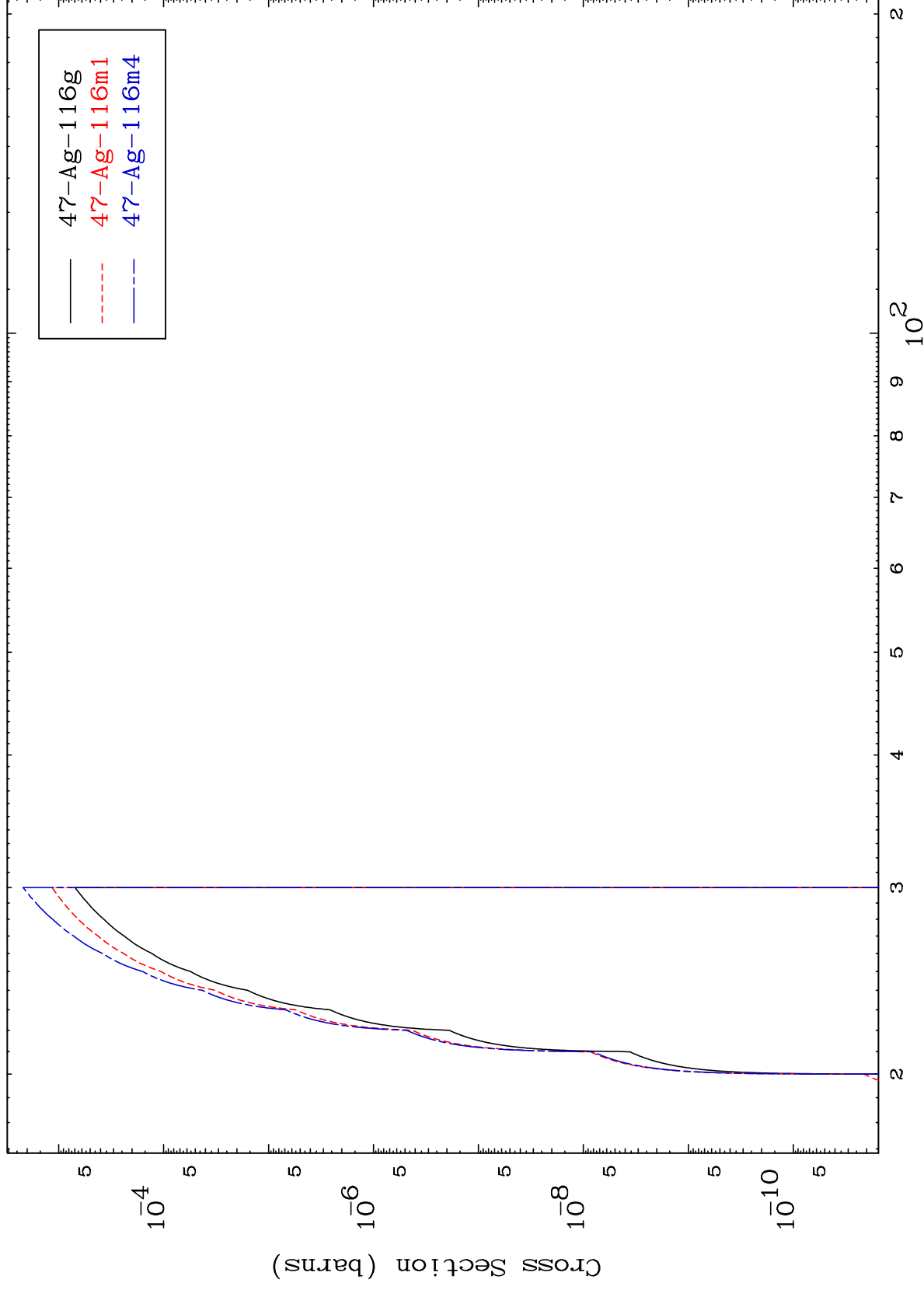


MAT 4861

(n,n') d

48-Cd-118

Radionuclide Production Cross Section



130

Incident Energy (MeV)

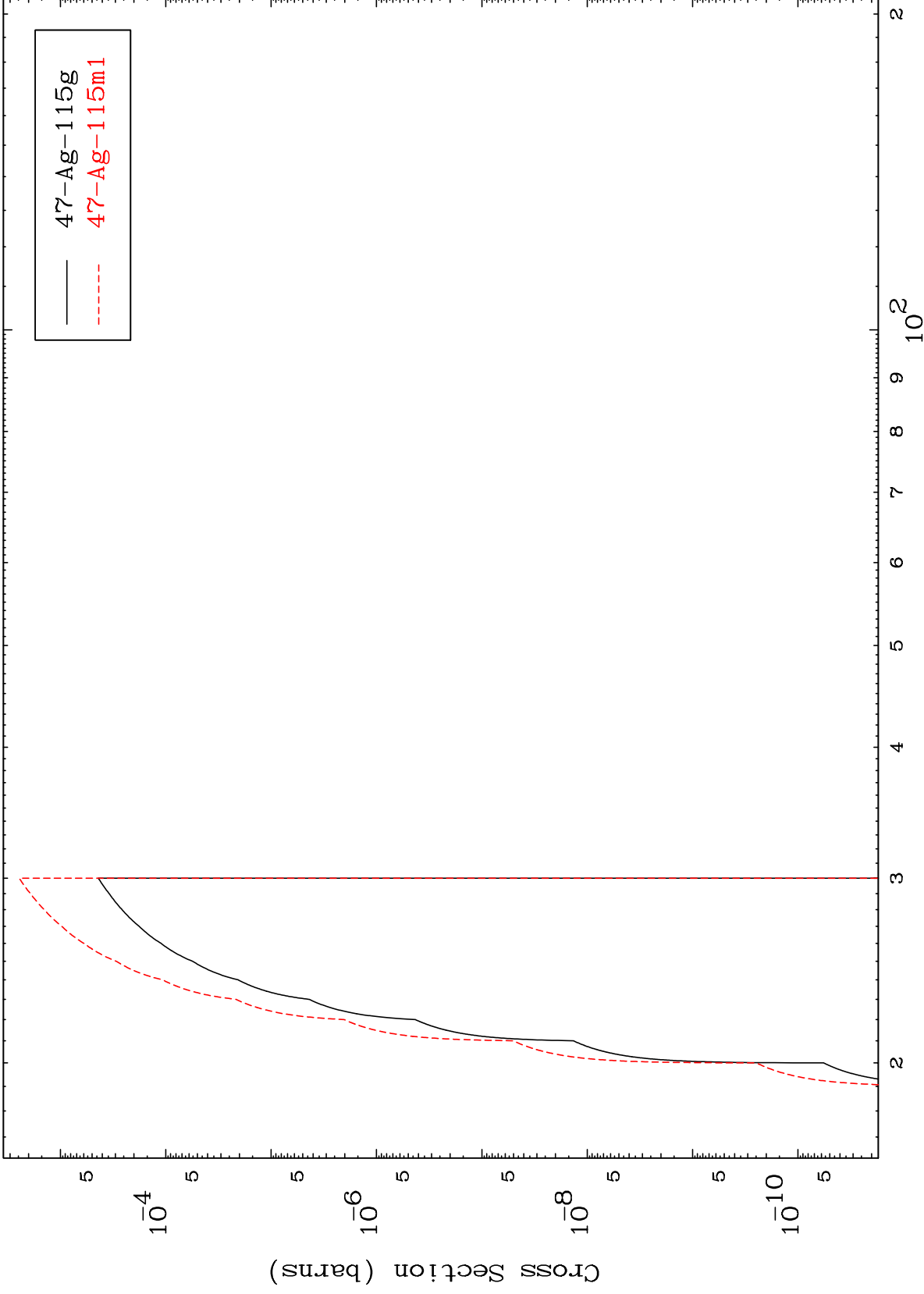
48-Cd-118

MAT 4861

(n,n') t

48-Cd-118

Radionuclide Production Cross Section



131

Incident Energy (MeV)

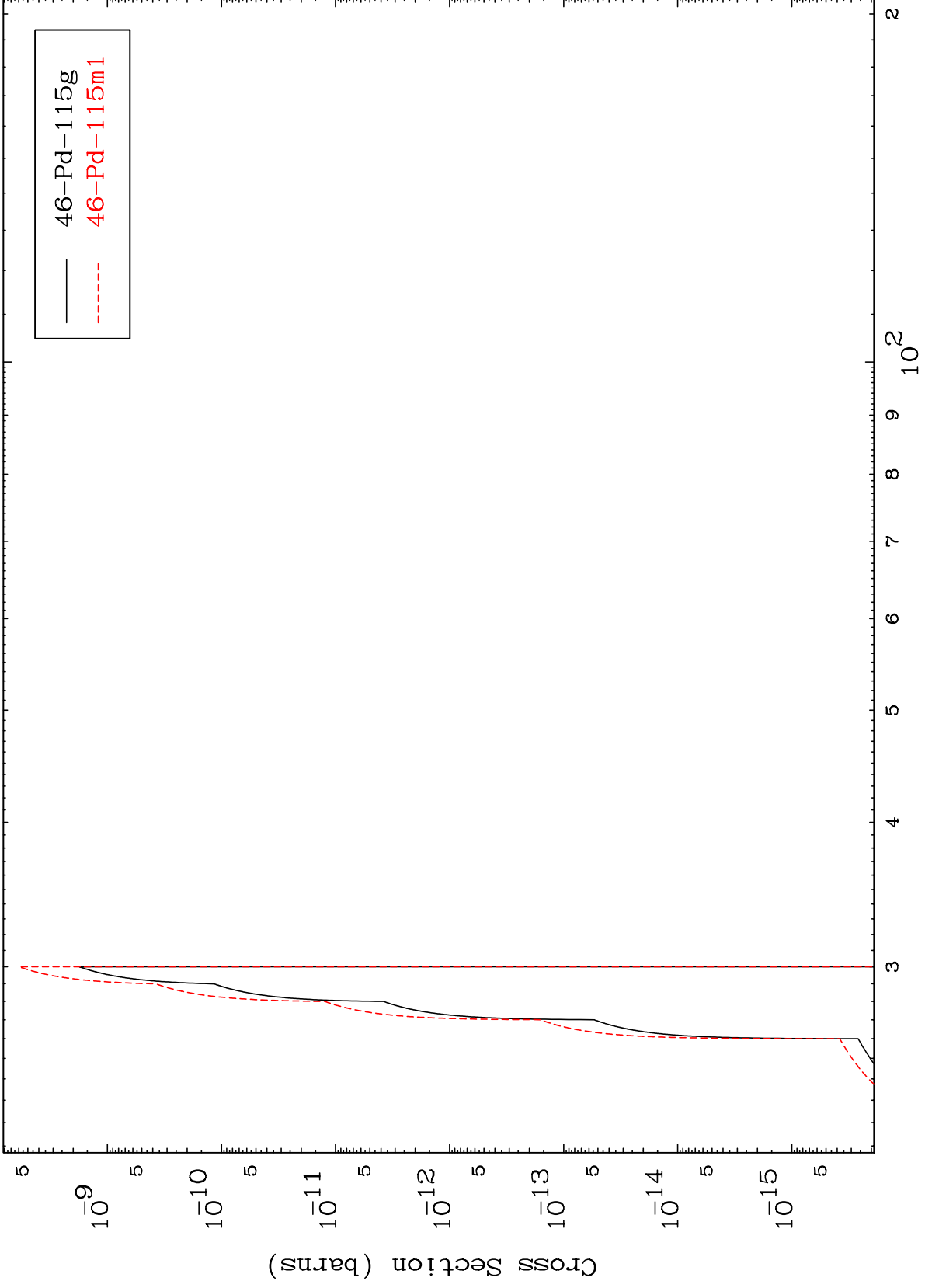
48-Cd-118

MAT 4861

(n,n') He-3

48-Cd-118

Radionuclide Production Cross Section



132

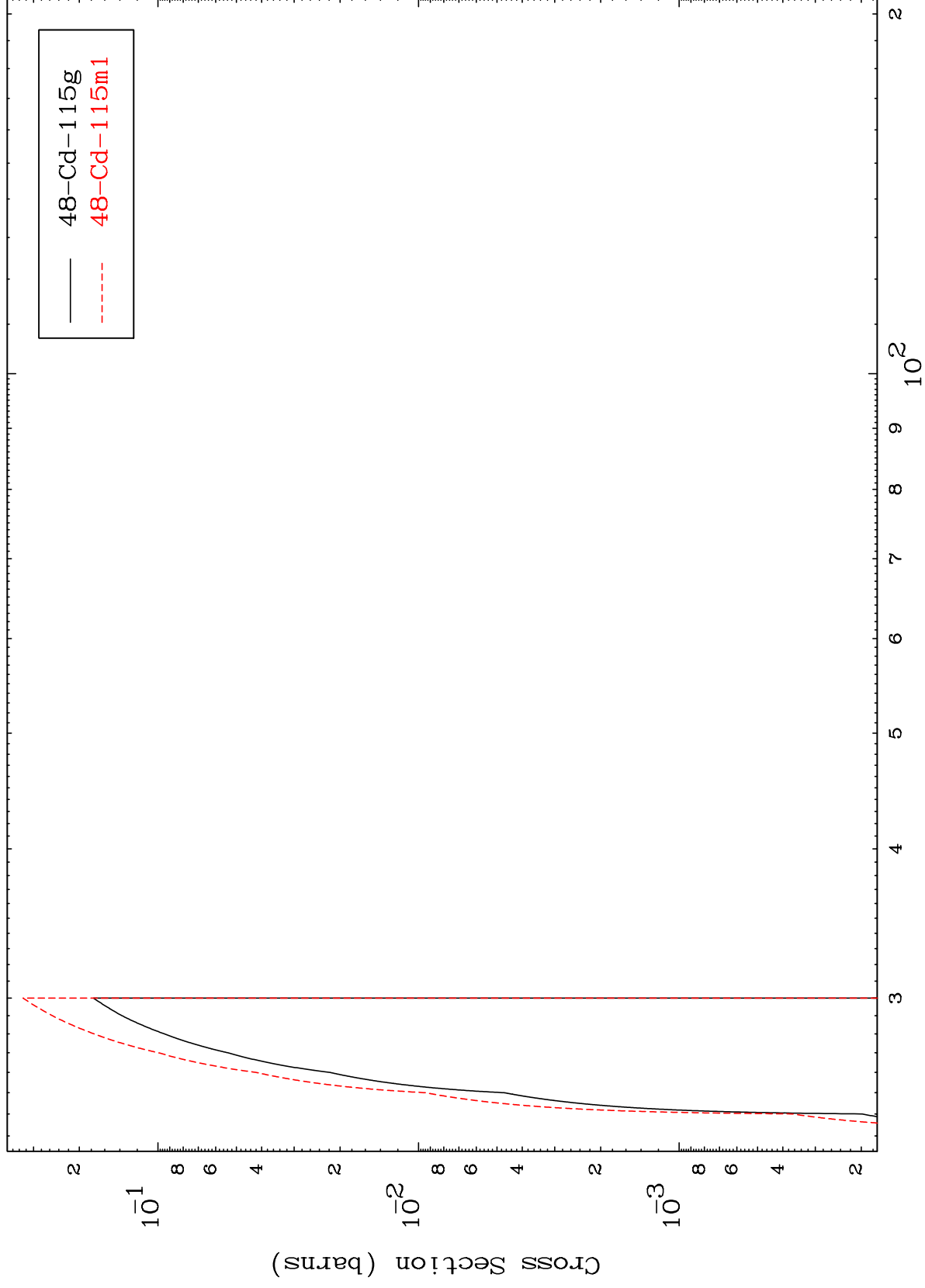
Incident Energy (MeV)

48-Cd-118

MAT 4861

48-Cd-118

(n,4n)
Radionuclide Production Cross Section



133

Incident Energy (MeV)

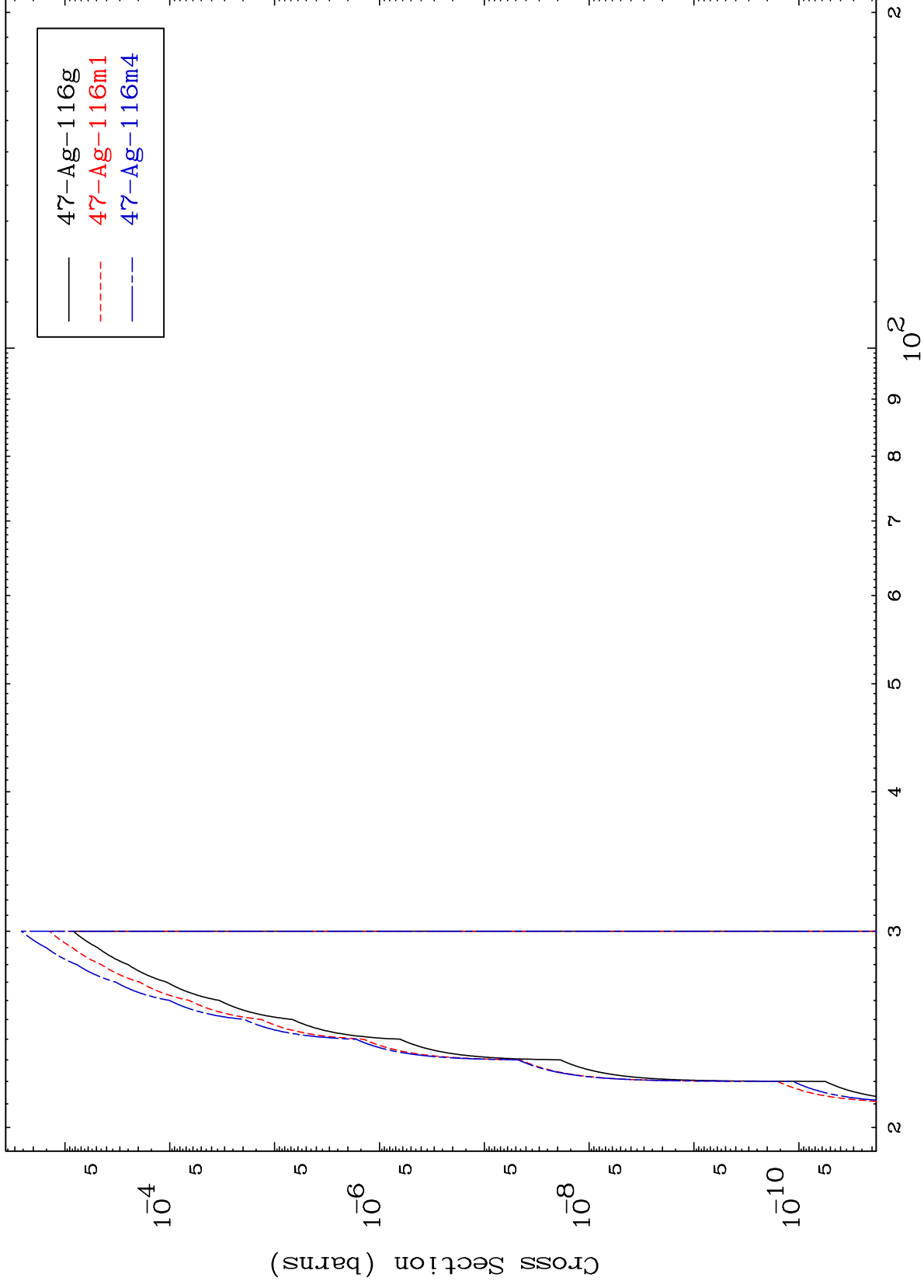
48-Cd-118

MAT 4861

(n,2n) p

48-Cd-118

Radionuclide Production Cross Section



134

Incident Energy (MeV)

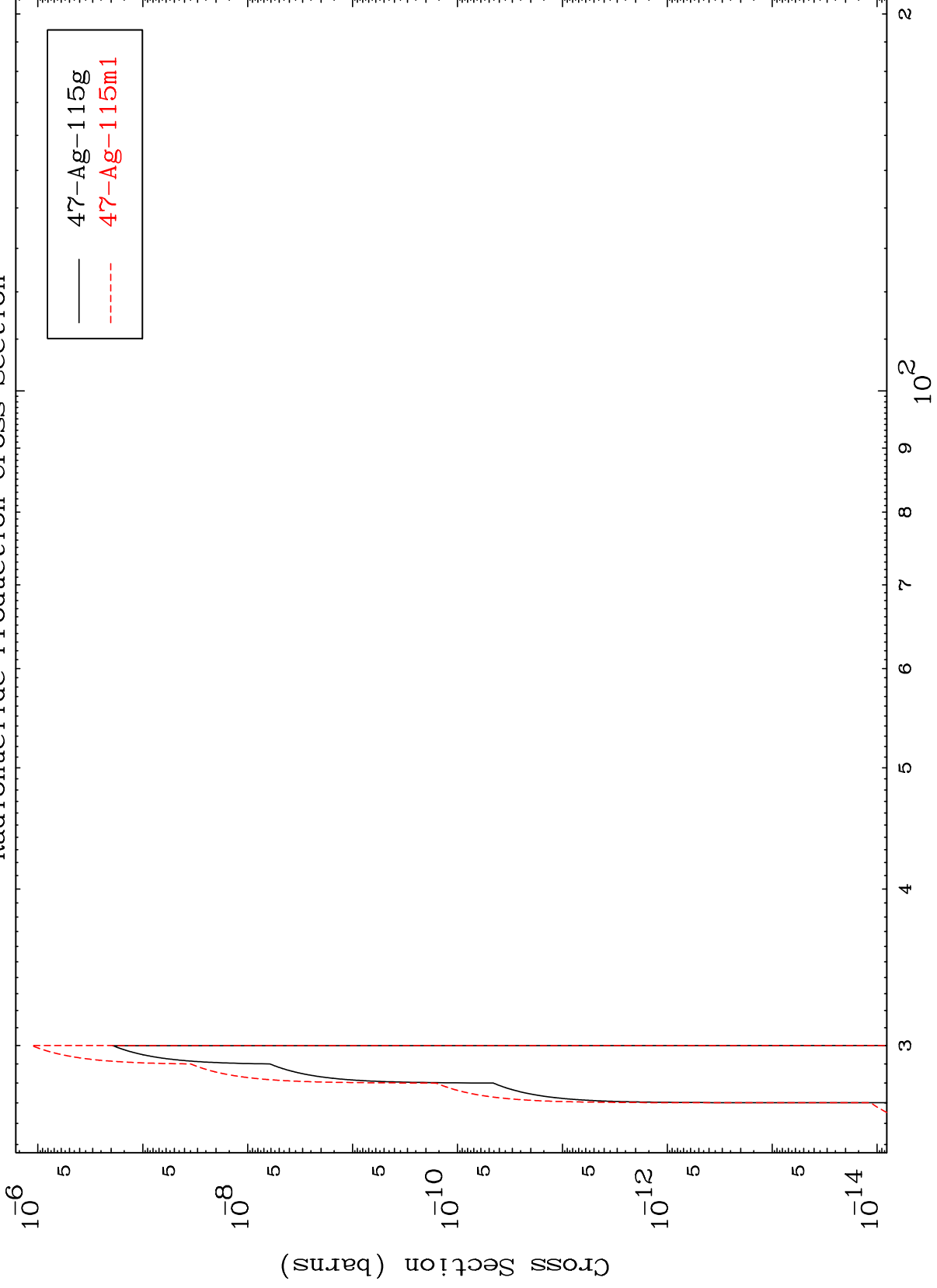
48-Cd-118

MAT 4861

(n,3n) p

48-Cd-118

Radionuclide Production Cross Section



135

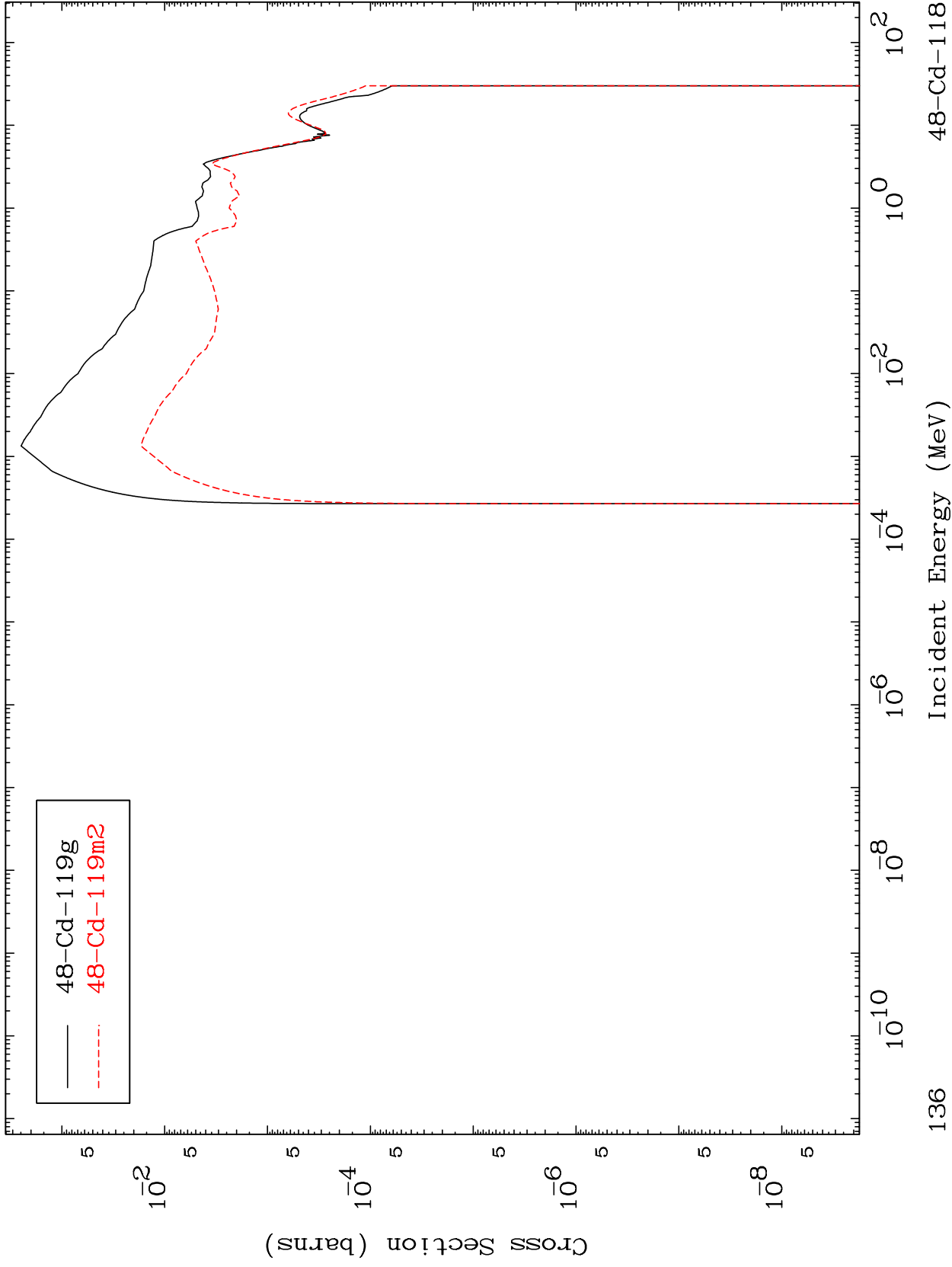
Incident Energy (MeV)

48-Cd-118

MAT 4861

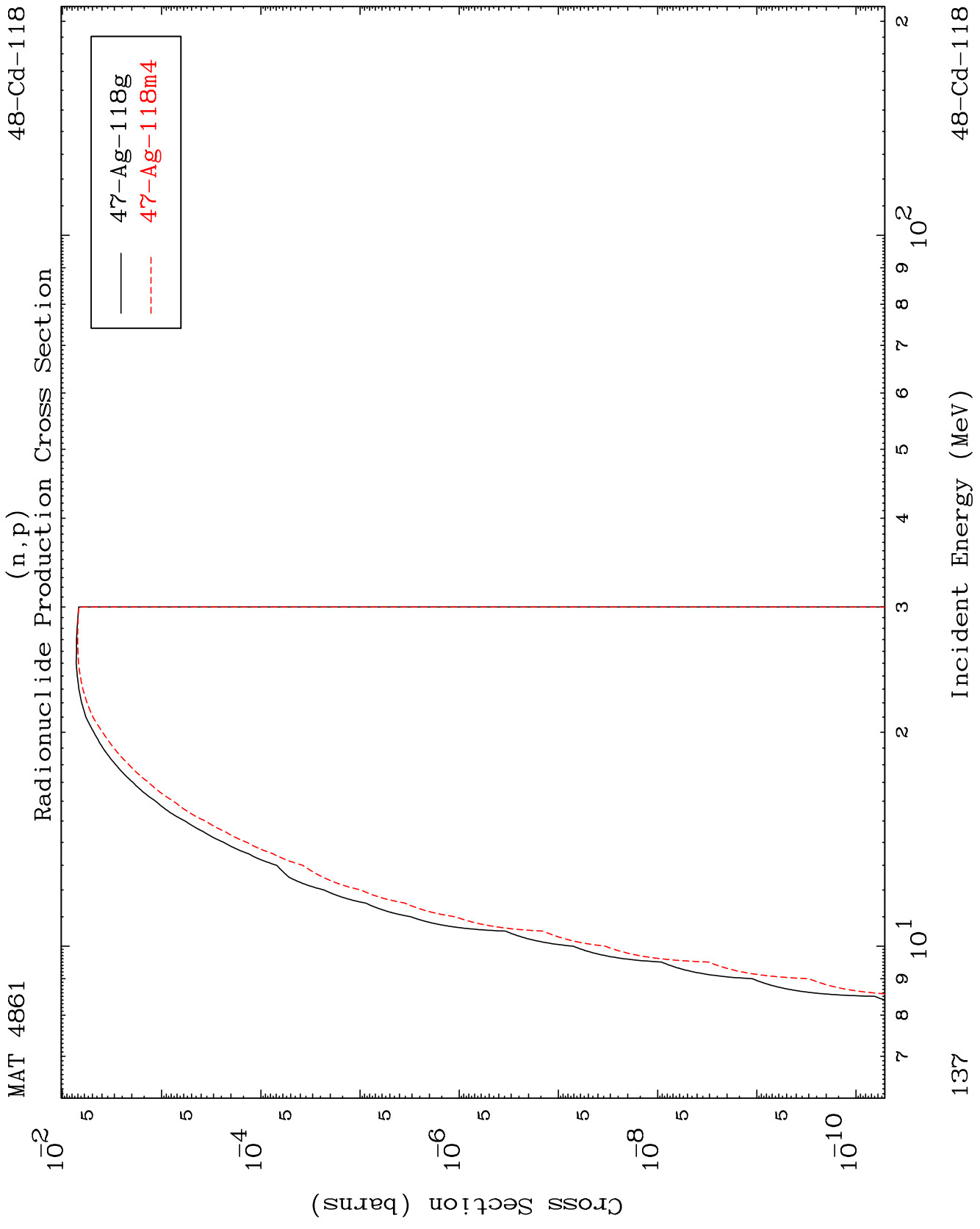
48-Cd-118

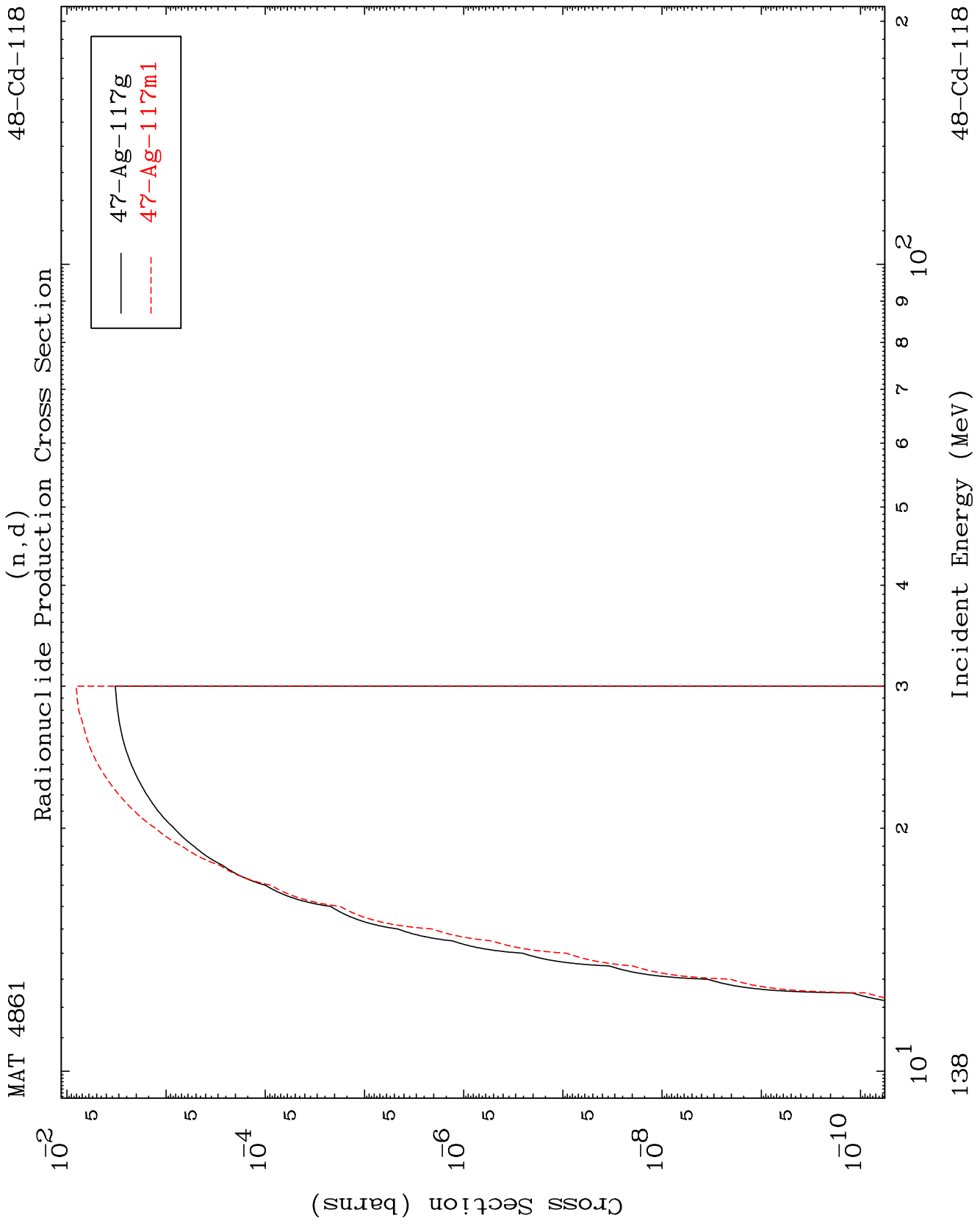
(n,γ)
Radionuclide Production Cross Section



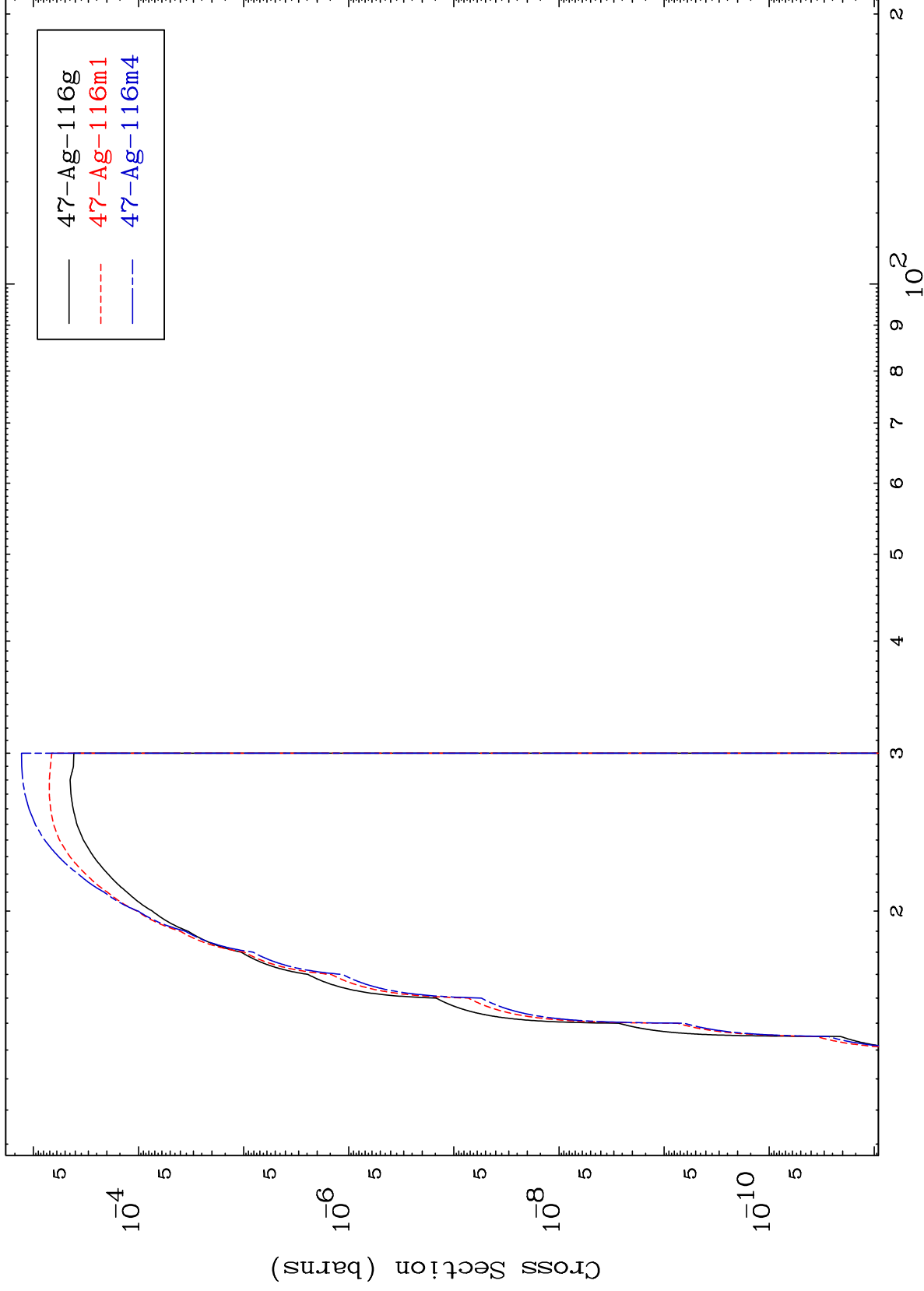
136

48-Cd-118





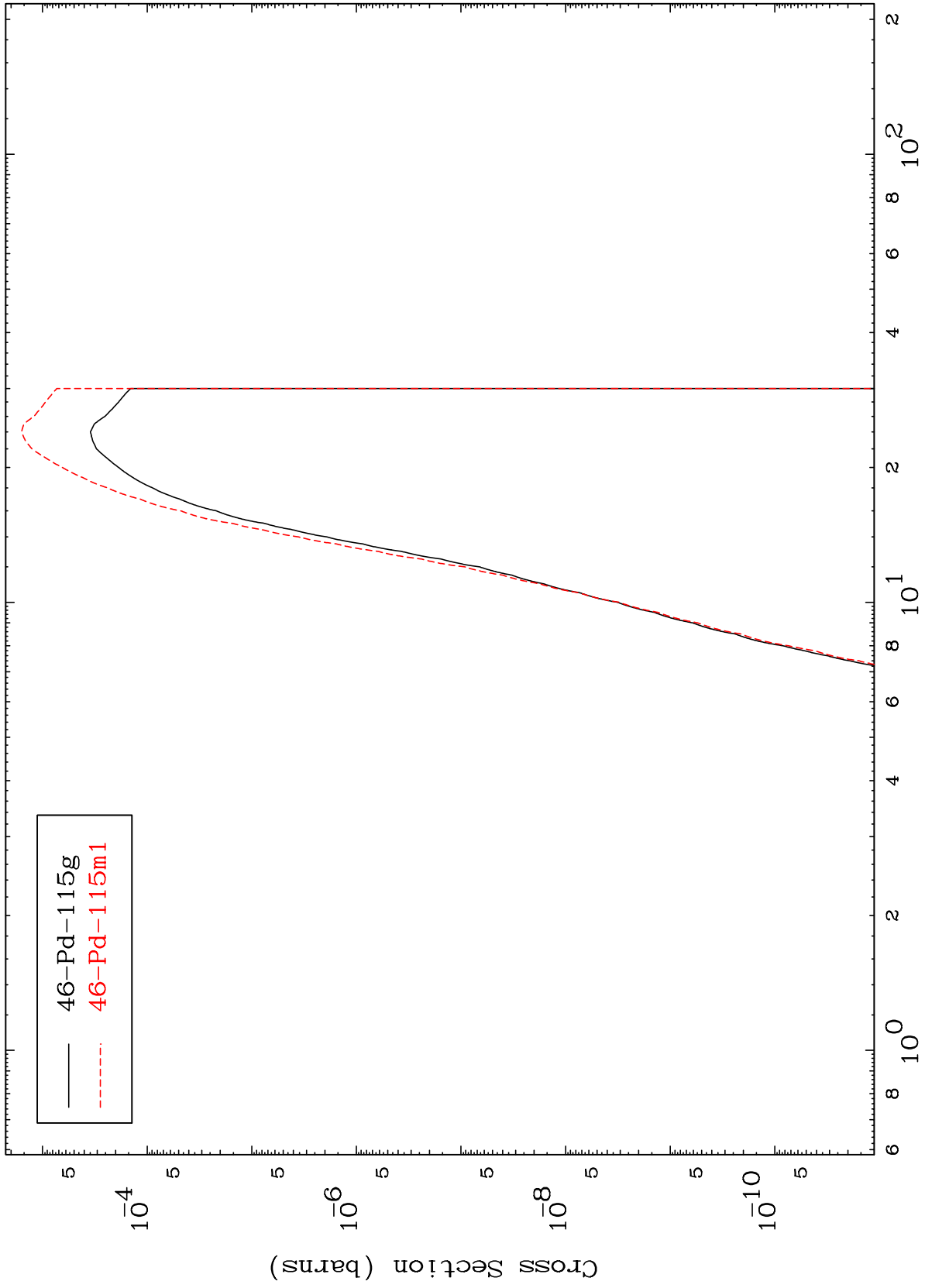
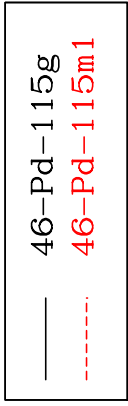
Radionuclide Production Cross Section



MAT 4861

48-Cd-118

Radionuclide Production Cross Section



Incident Energy (MeV)

48-Cd-118

140