

Program EVALPLOT
(Version 2021-1)

by

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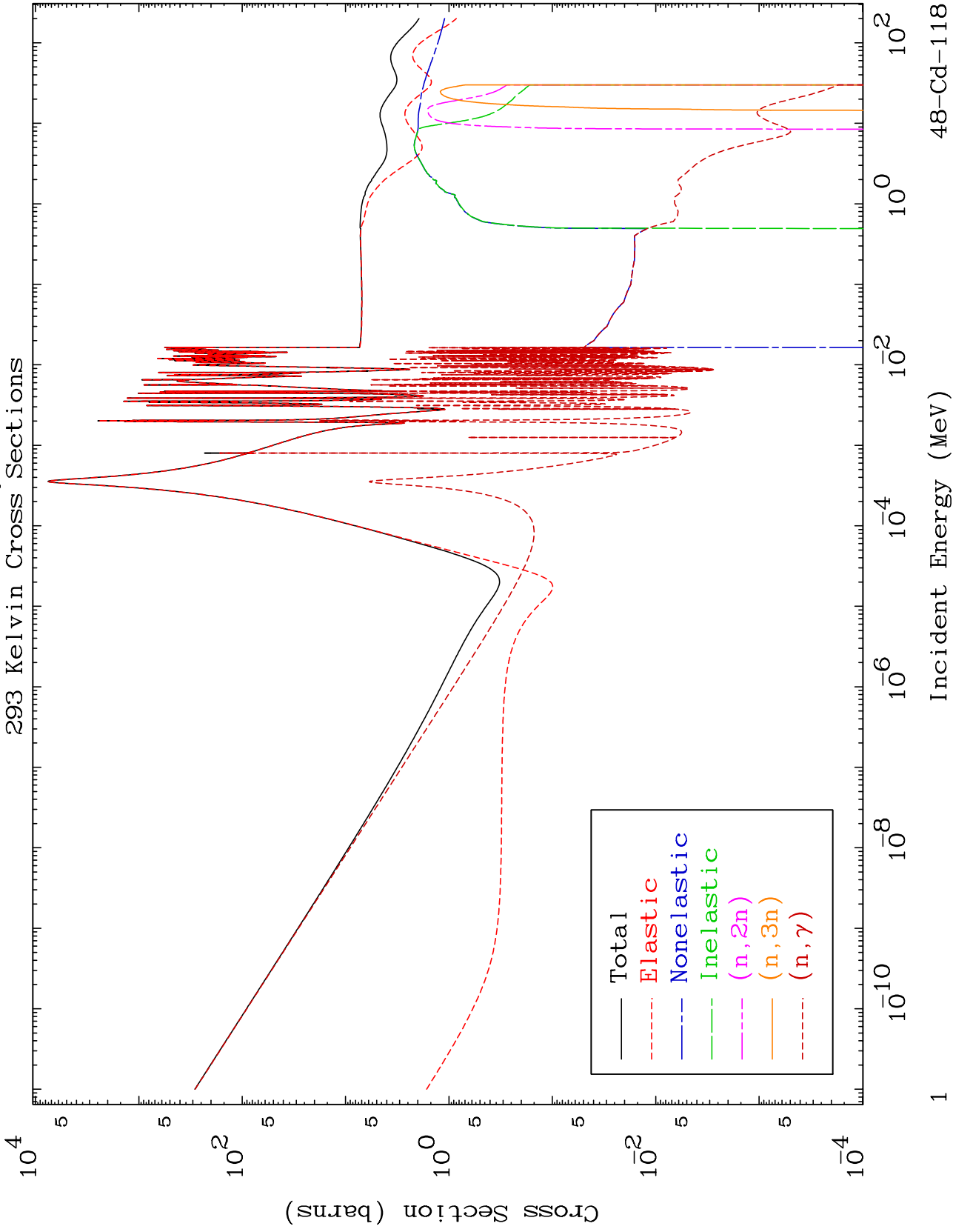
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Press Mouse Button to Start

MAT 4861

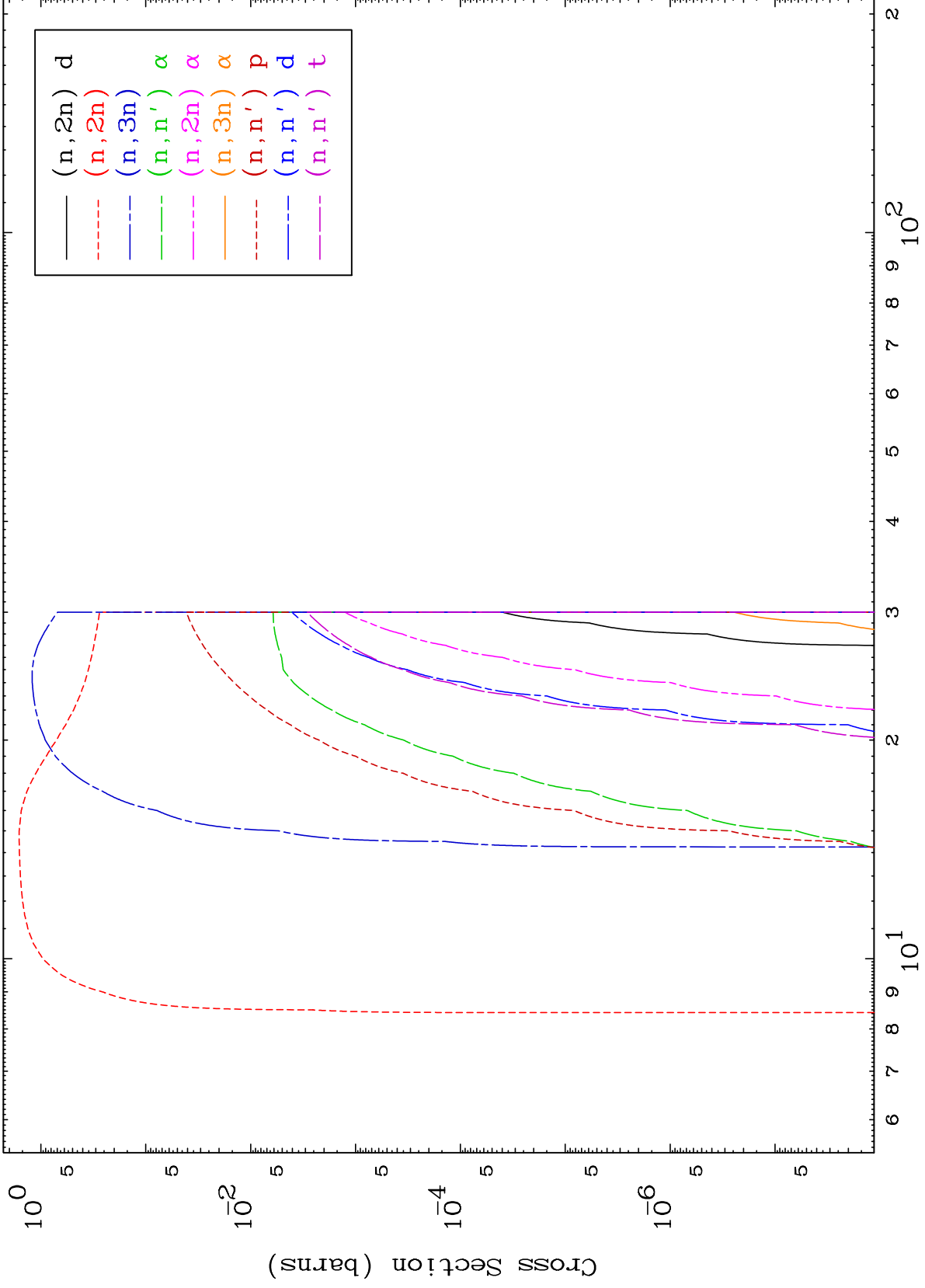
Neutron Major
293 Kelvin Cross Sections

48-Cd-118



1

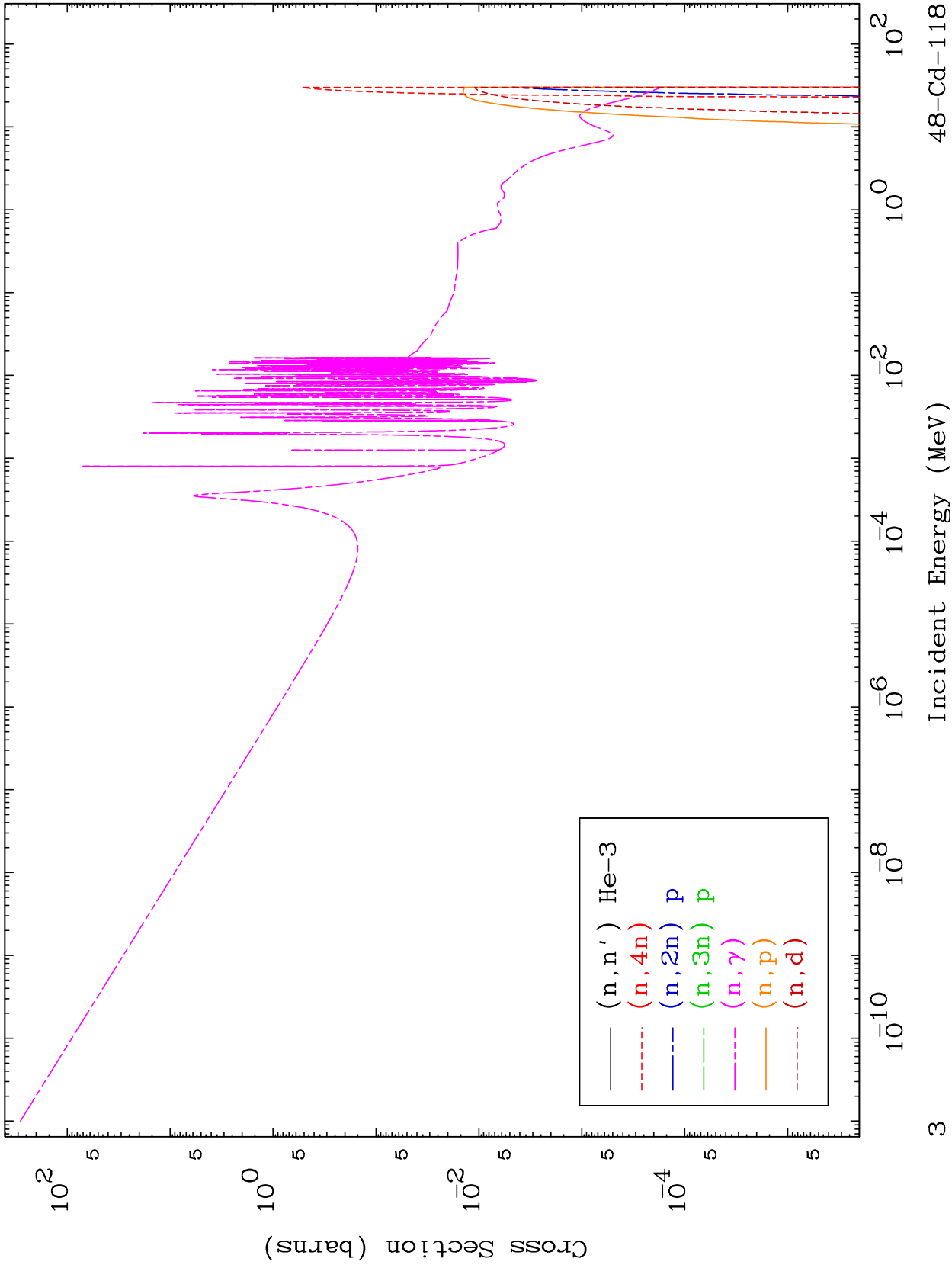
48-Cd-118



MAT 4861

Neutron Absorption
293 Kelvin Cross Sections

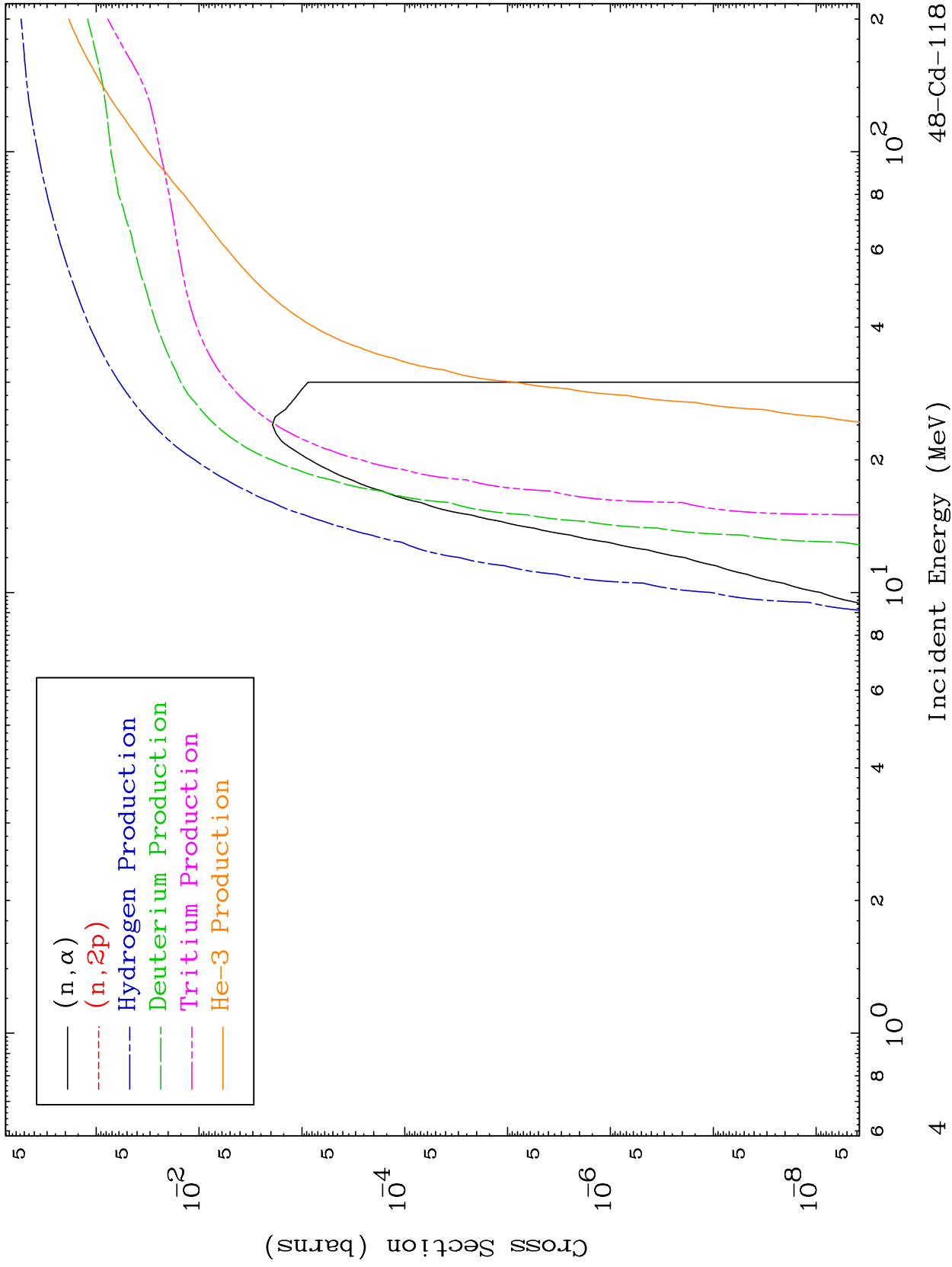
48-Cd-118



MAT 4861

Neutron Absorption
293 Kelvin Cross Sections

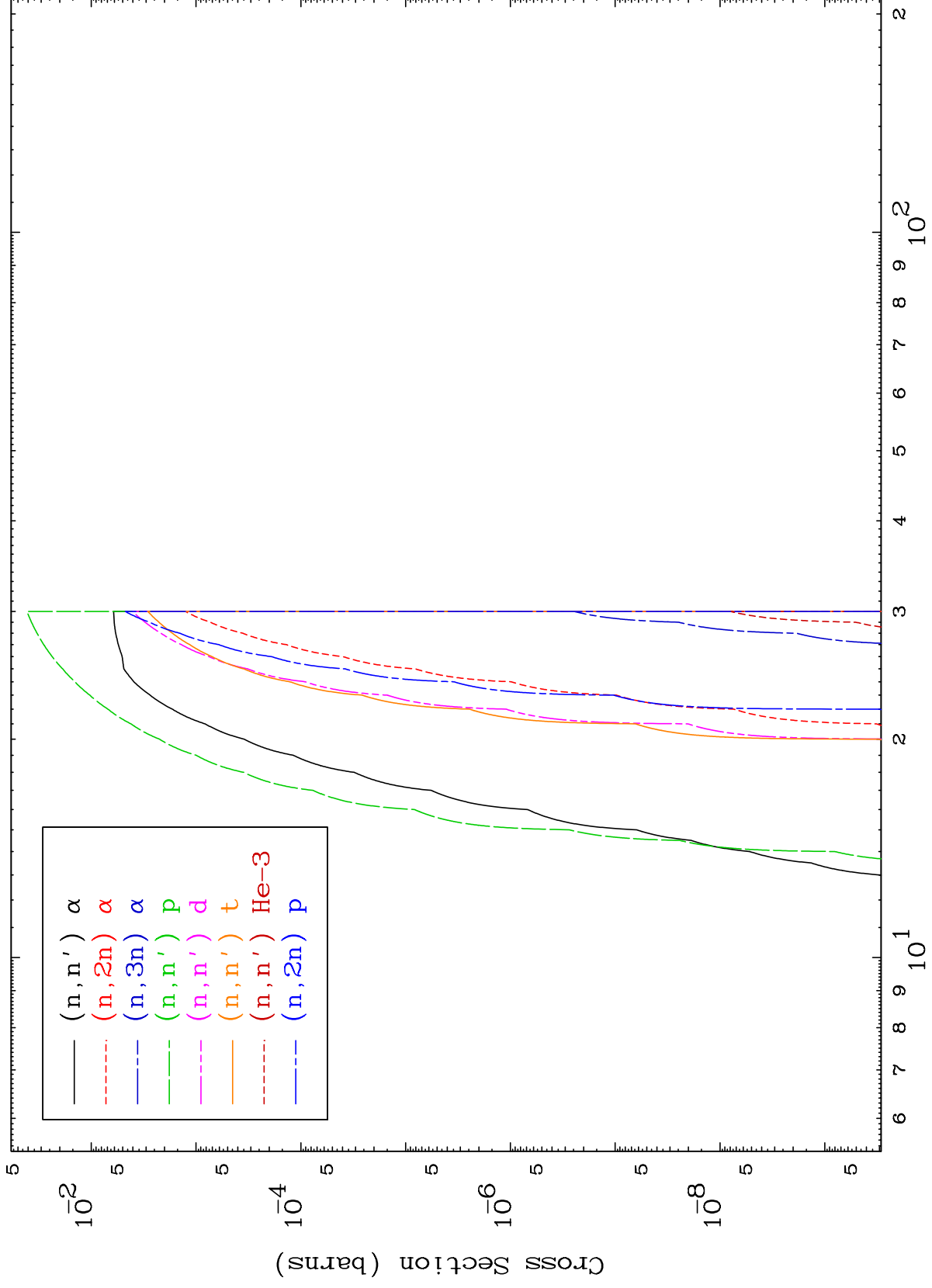
48-Cd-118



MAT 4861

Charged Particle
293 Kelvin Cross Sections

48-Cd-118



5

Incident Energy (MeV)

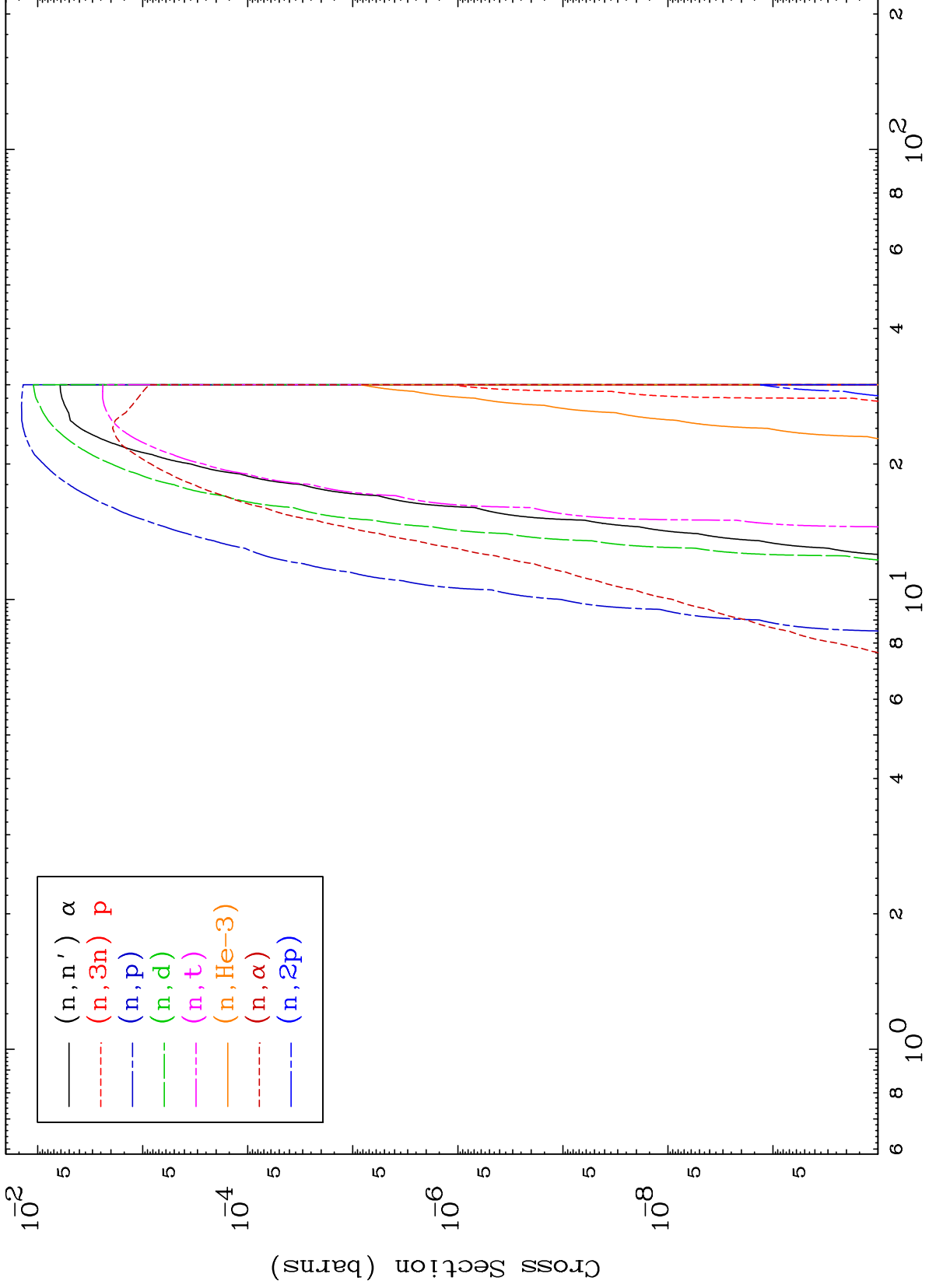
48-Cd-118

MAT 4861

Charged Particle

48-Cd-118

293 Kelvin Cross Sections



6

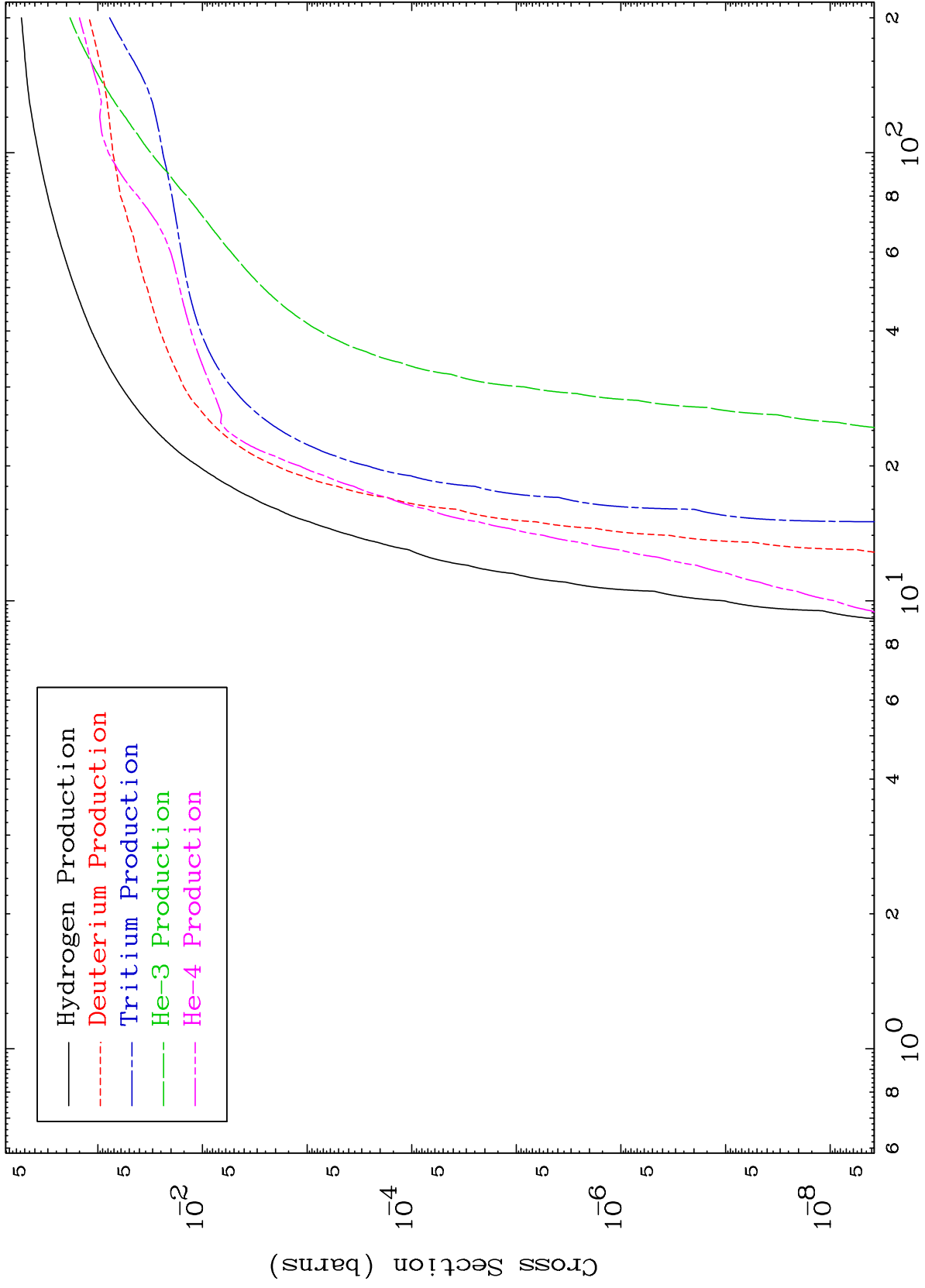
Incident Energy (MeV)

48-Cd-118

MAT 4861

Particle Production
293 Kelvin Cross Sections

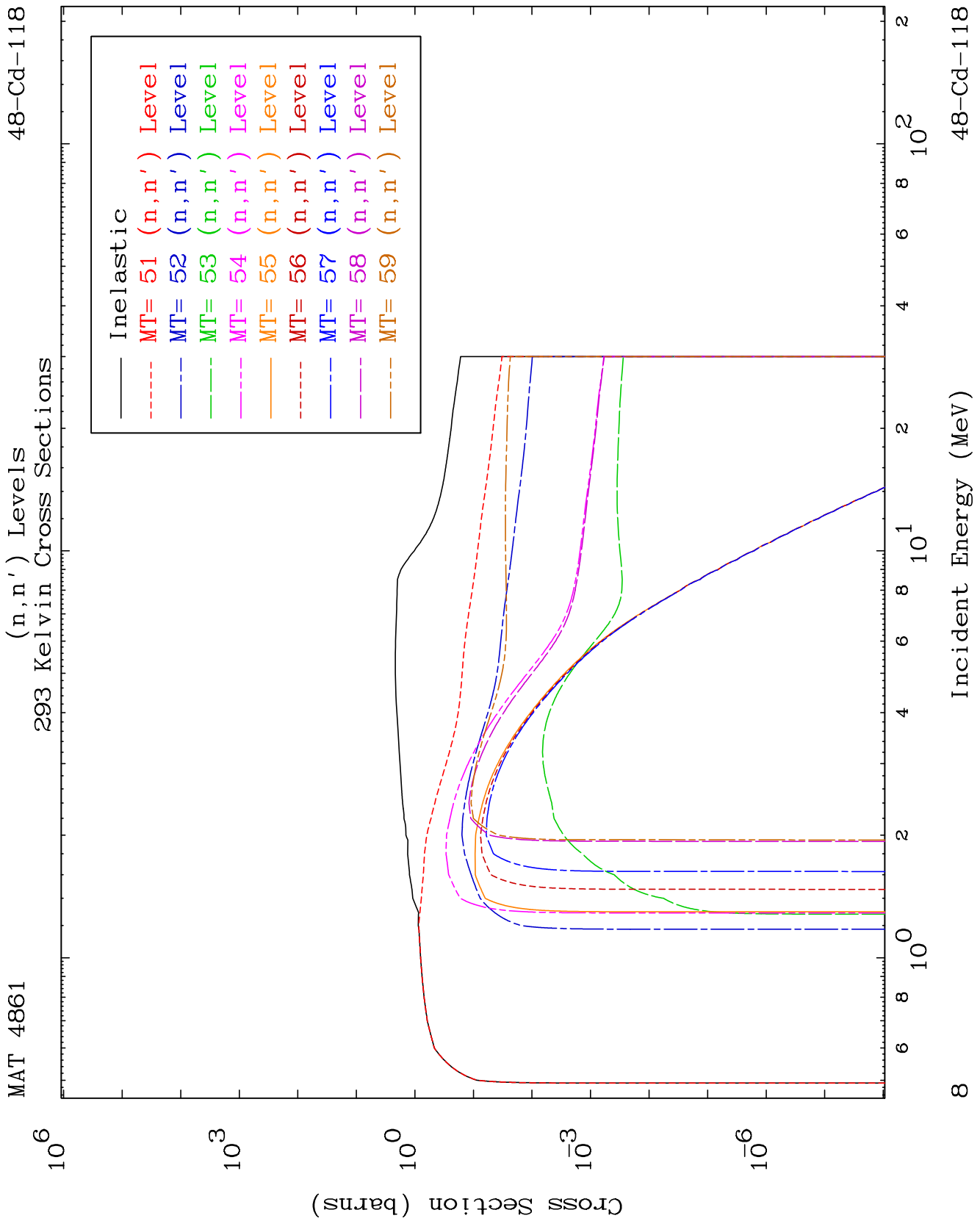
48-Cd-118



7

Incident Energy (MeV)

48-Cd-118

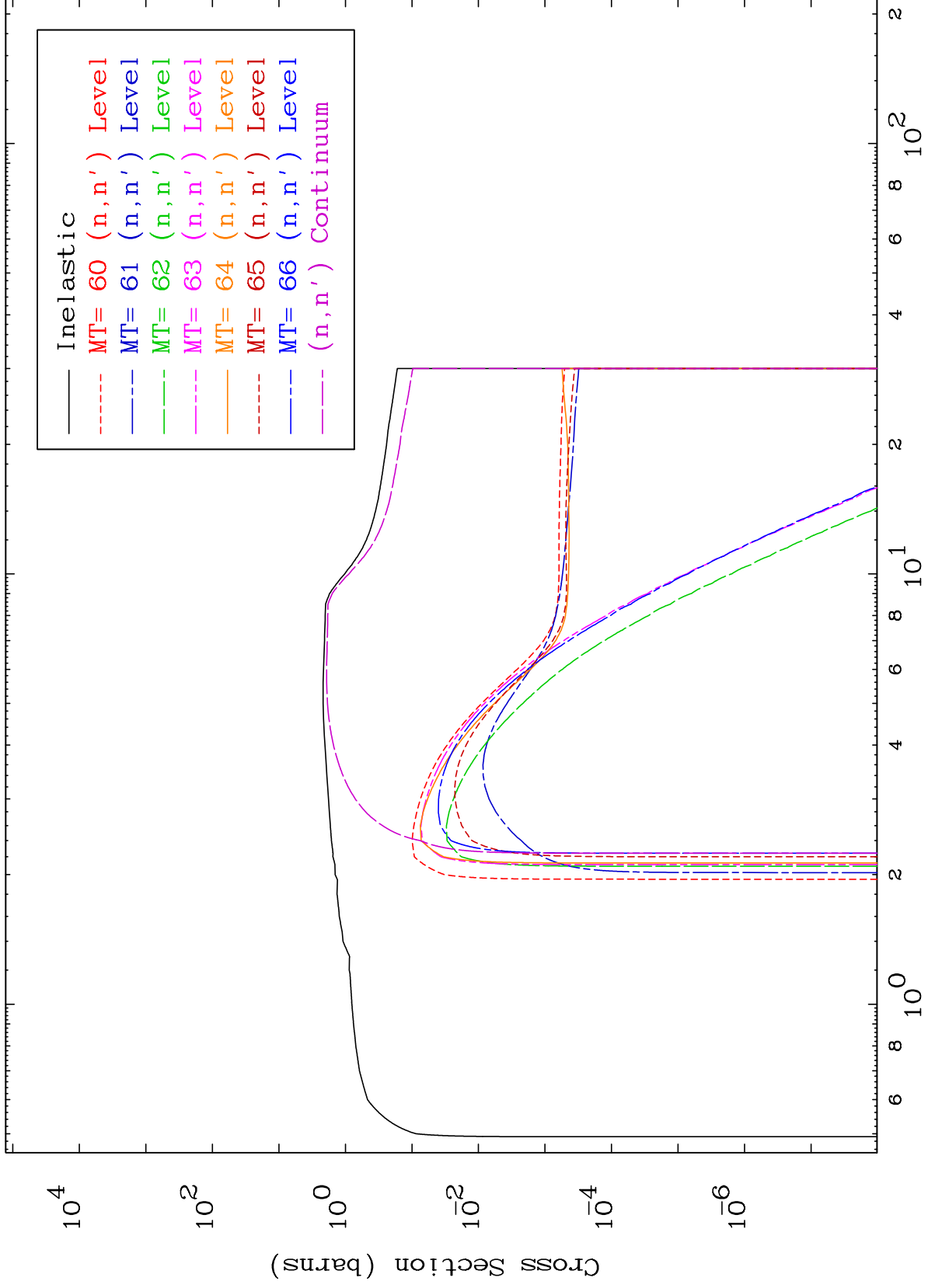


MAT 4861

(n,n') Levels

48-Cd-118

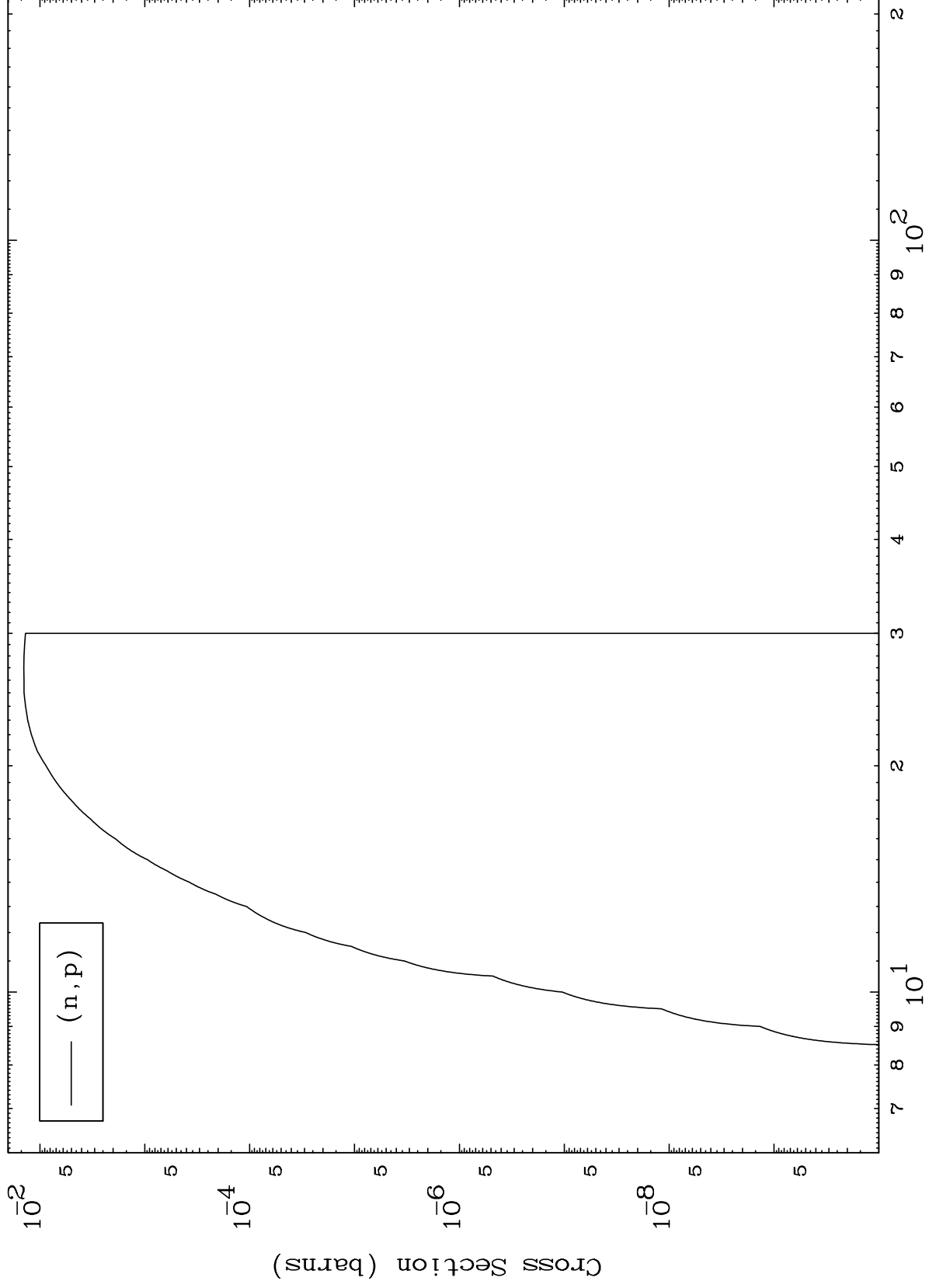
293 Kelvin Cross Sections



MAT 4861

(n,p) Levels
293 Kelvin Cross Sections

48-Cd-118



10

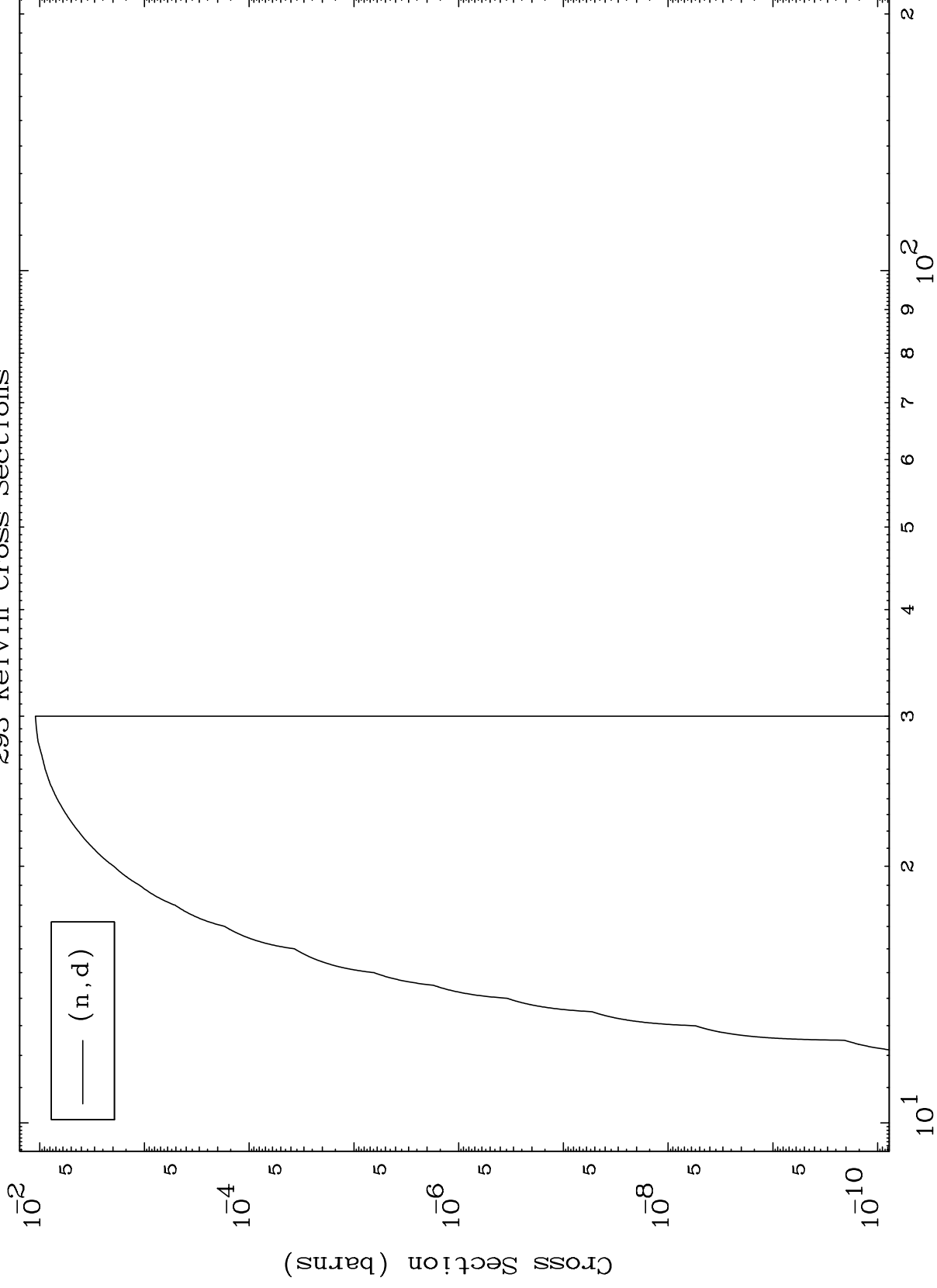
Incident Energy (MeV)

48-Cd-118

MAT 4861

(n,d) Levels
293 Kelvin Cross Sections

48-Cd-118



11

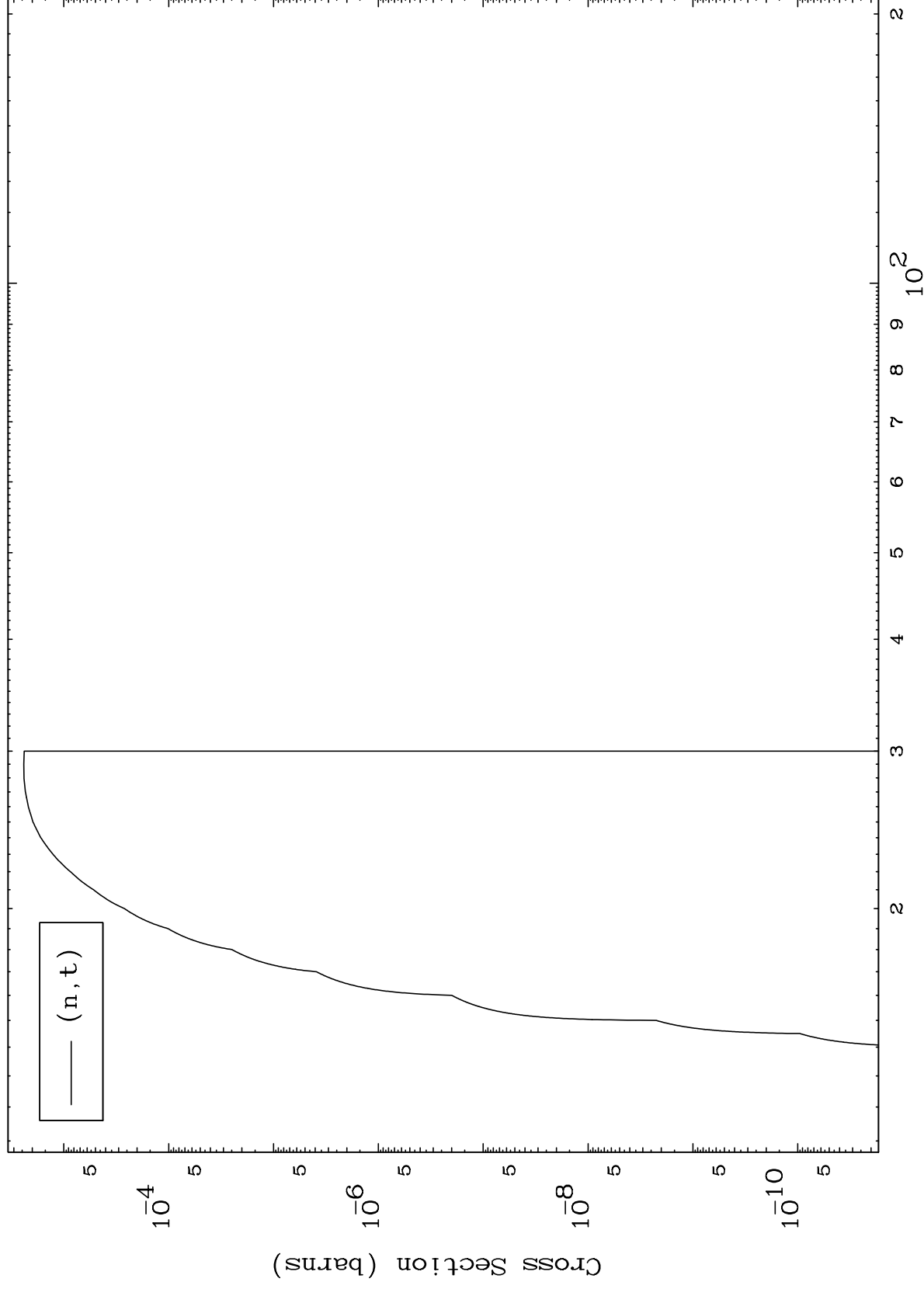
Incident Energy (MeV)

48-Cd-118

MAT 4861

(n,t) Levels
293 Kelvin Cross Sections

48-Cd-118



12

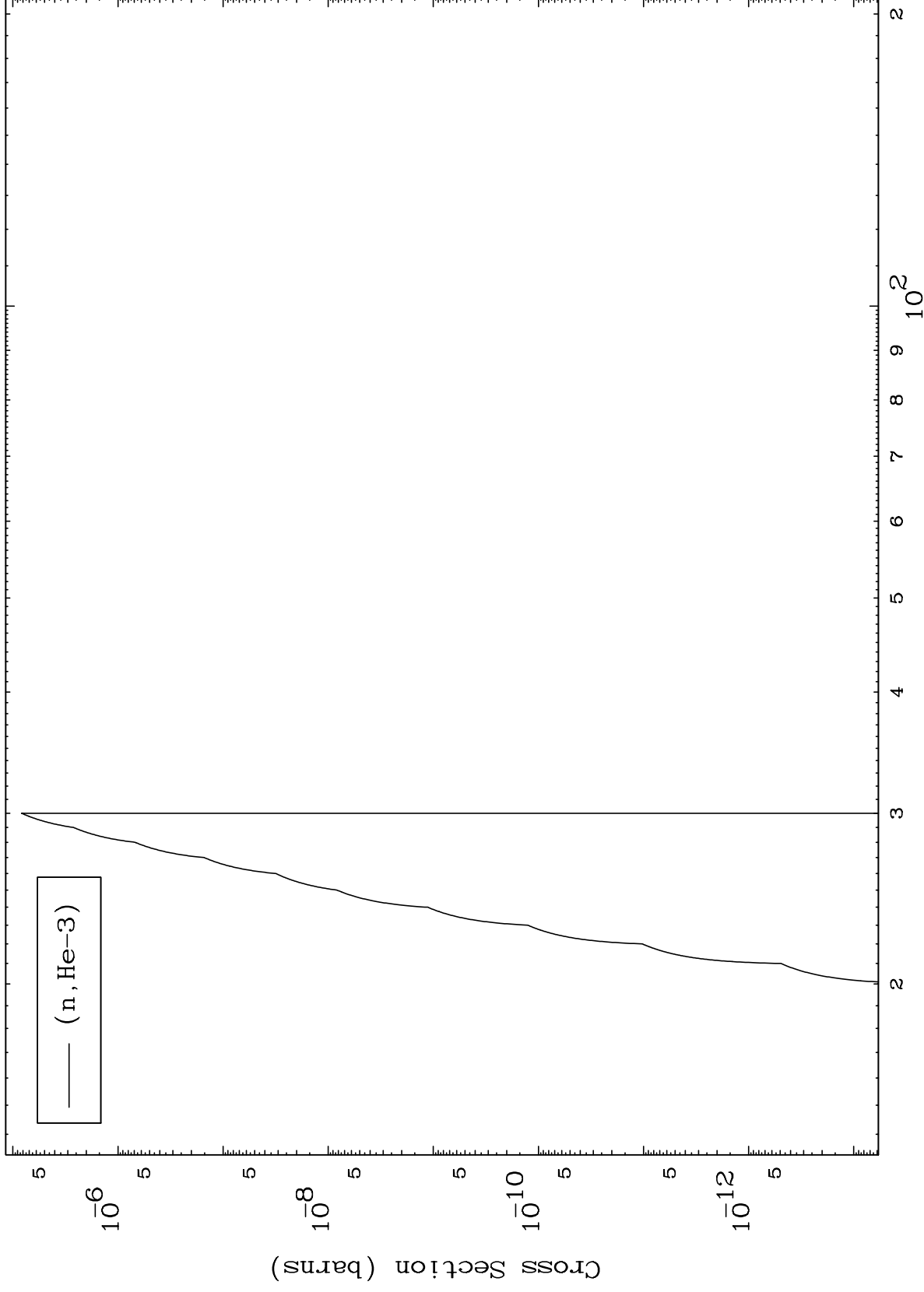
Incident Energy (MeV)

48-Cd-118

MAT 4861

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-118



13

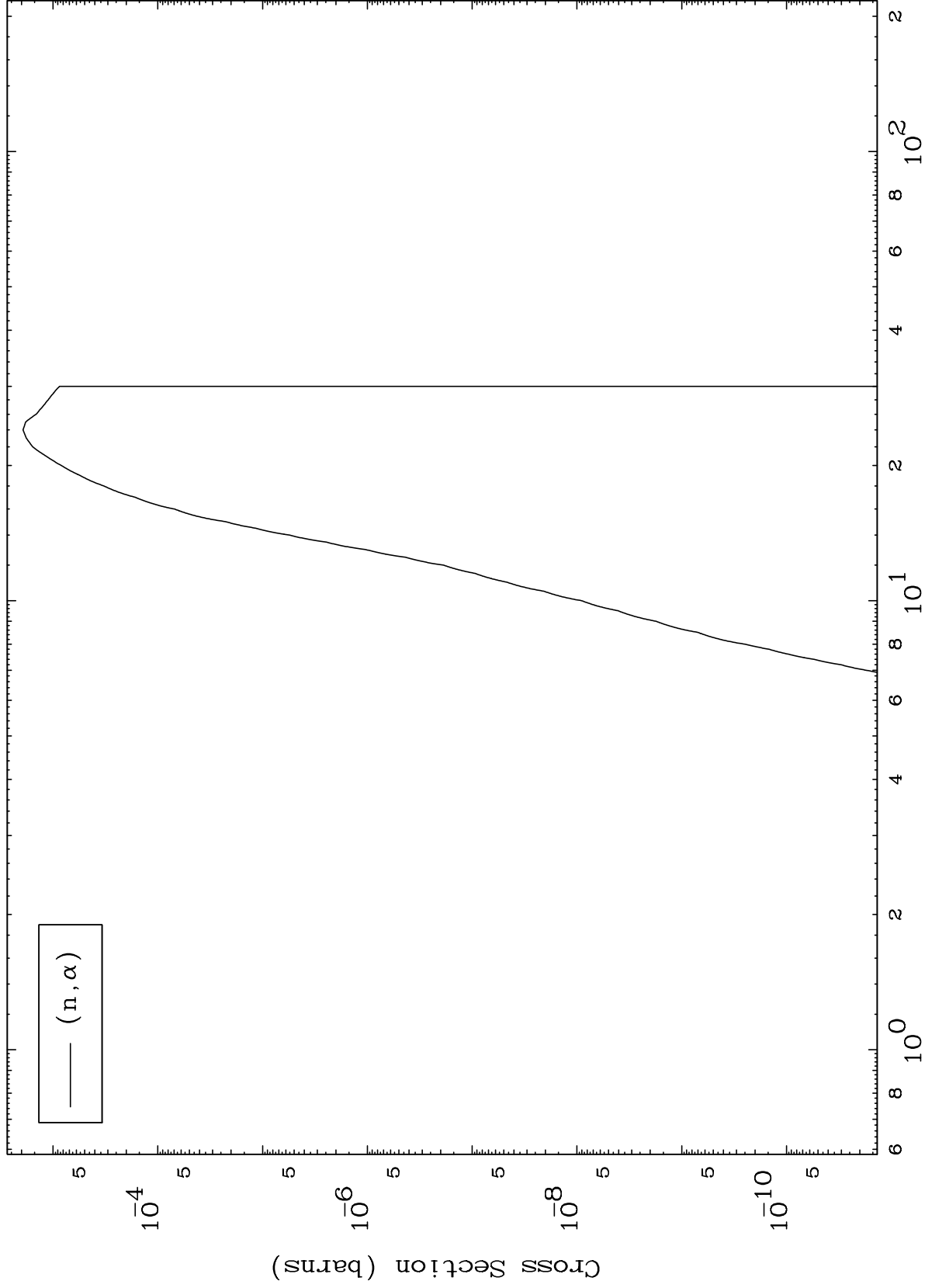
Incident Energy (MeV)

48-Cd-118

MAT 4861

(n, α) Levels
293 Kelvin Cross Sections

48-Cd-118



14

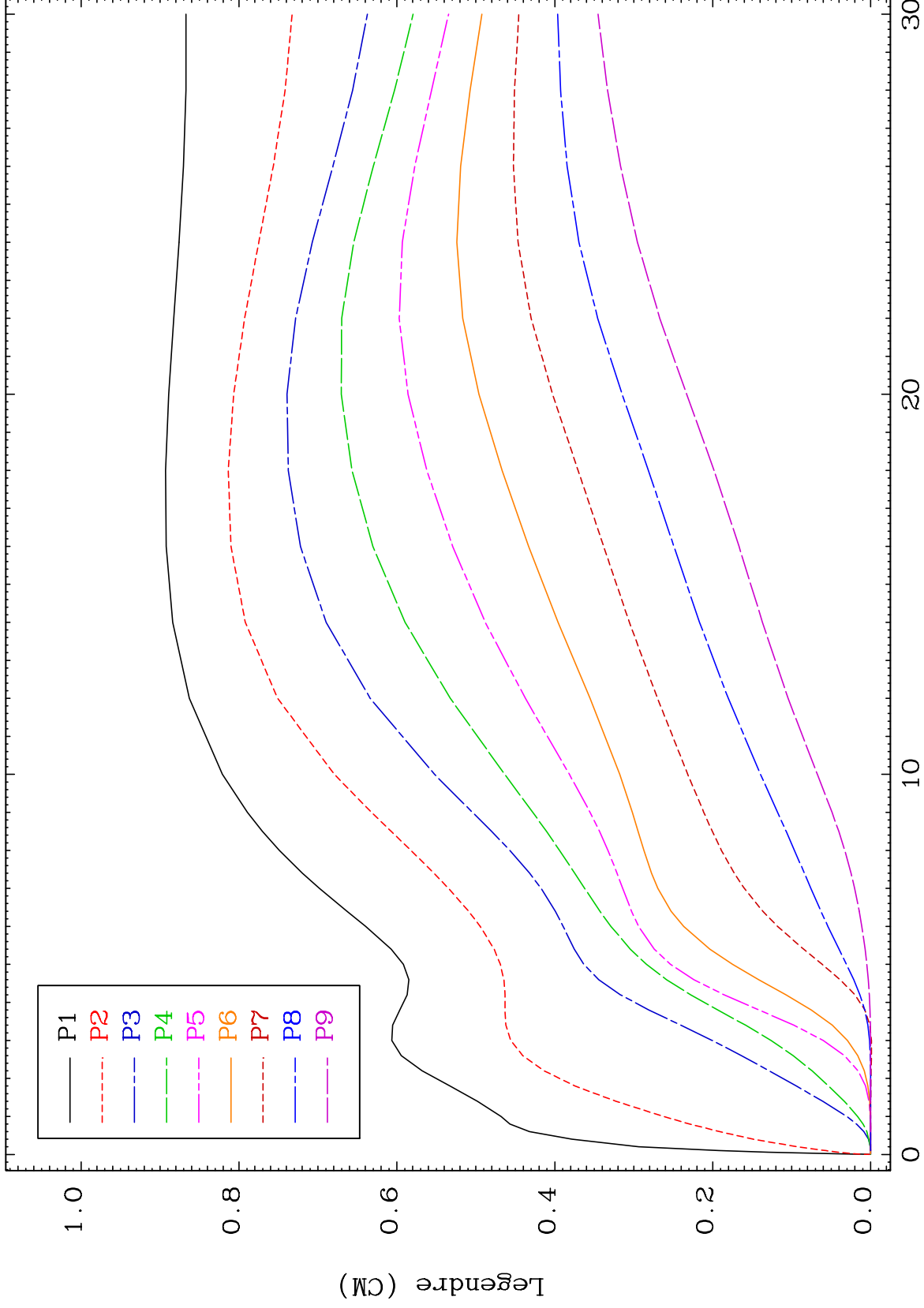
Incident Energy (MeV)

48-Cd-118

MAT 4861

Elastic Legendre Coefficients

48-Cd-118



0

15

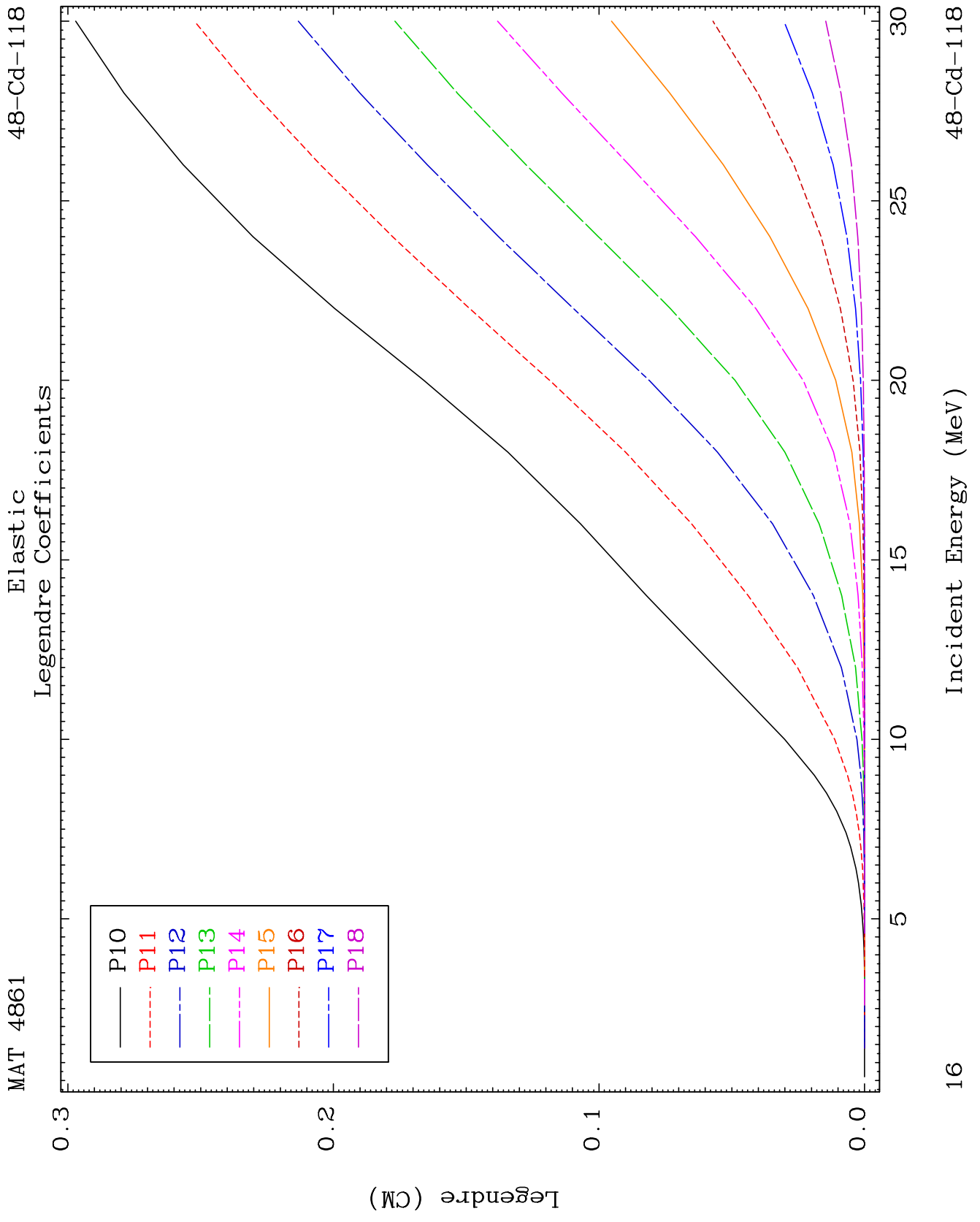
Incident Energy (MeV)

10

20

30

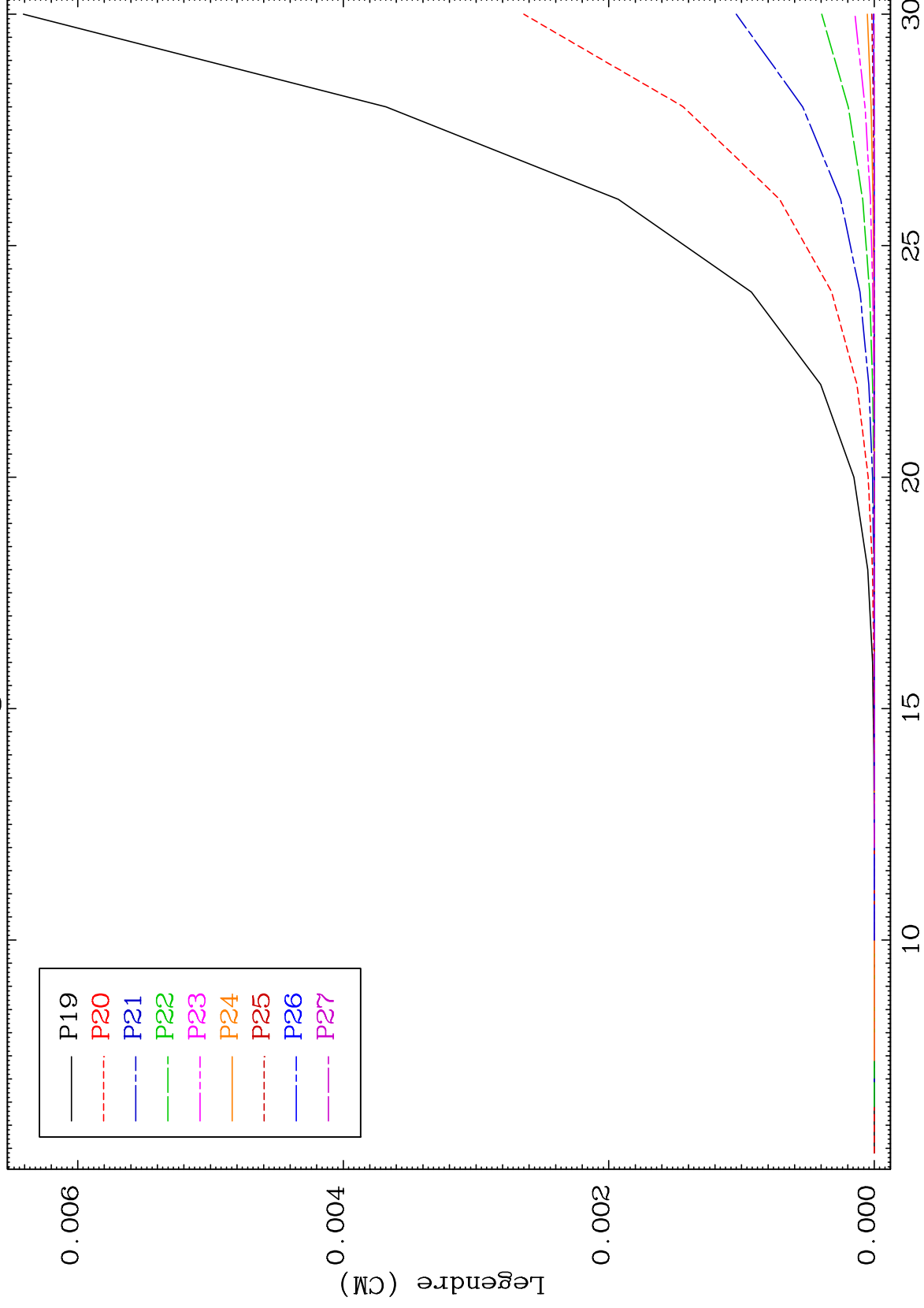
48-Cd-118



MAT 4861

Elastic
Legendre Coefficients

48-Cd-118



17

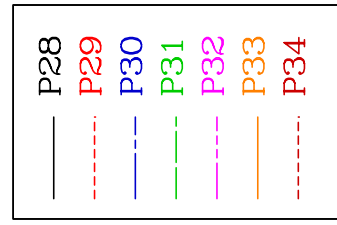
Incident Energy (MeV)

48-Cd-118

MAT 4861

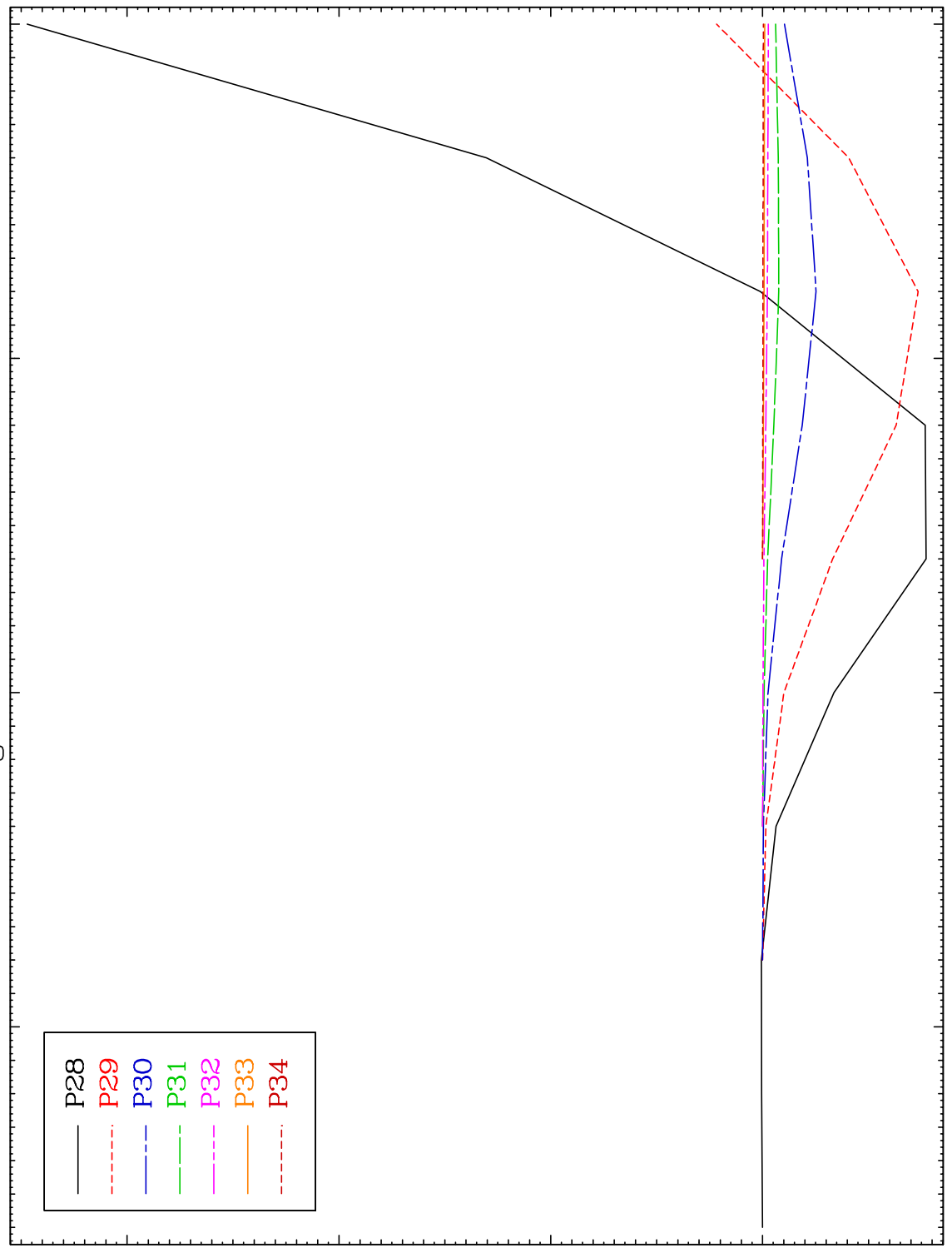
Elastic
Legendre Coefficients

48-Cd-118



$\times 10^{-7}$

Legendre (CM)



18

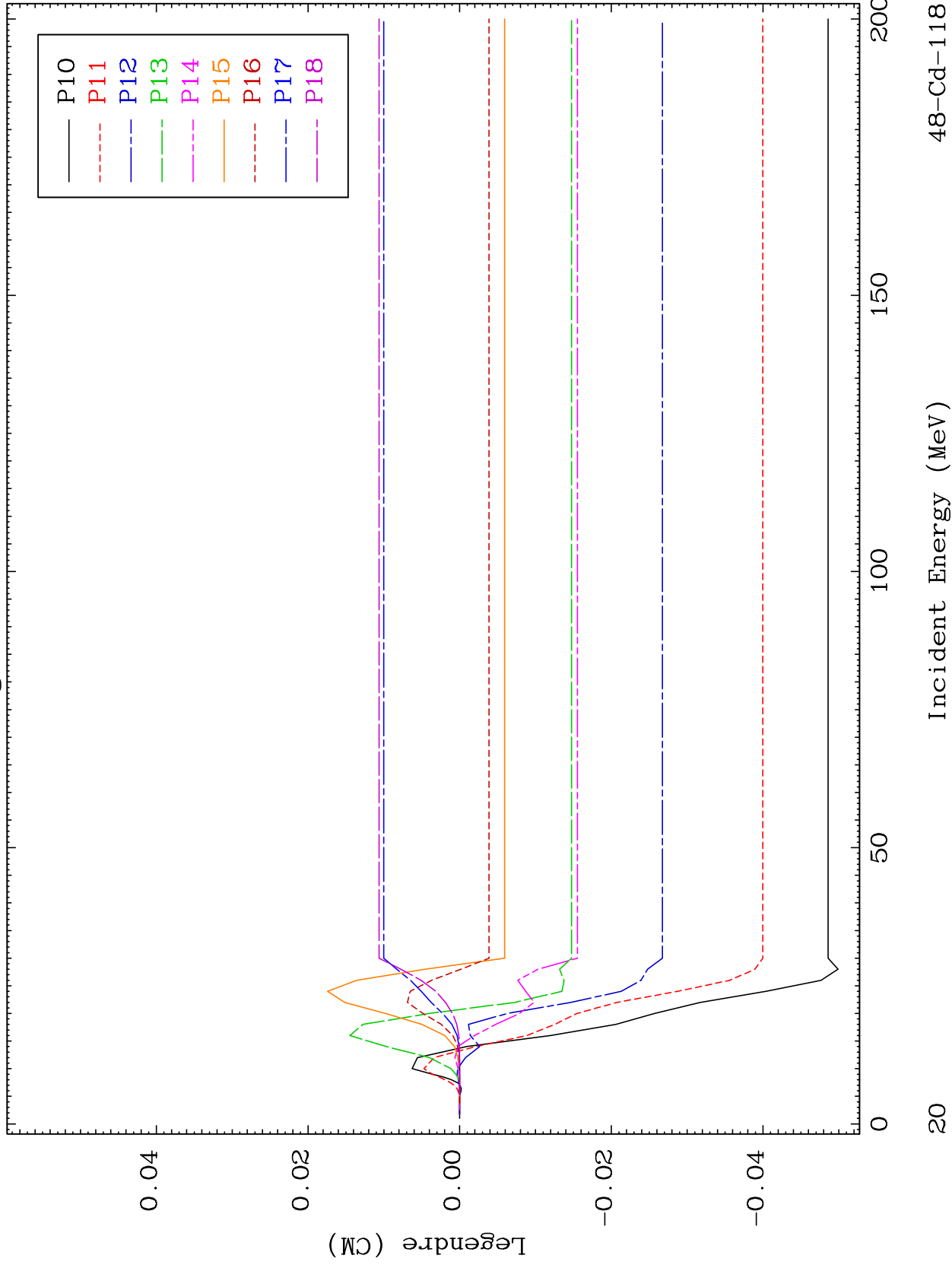
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



48-Cd-118

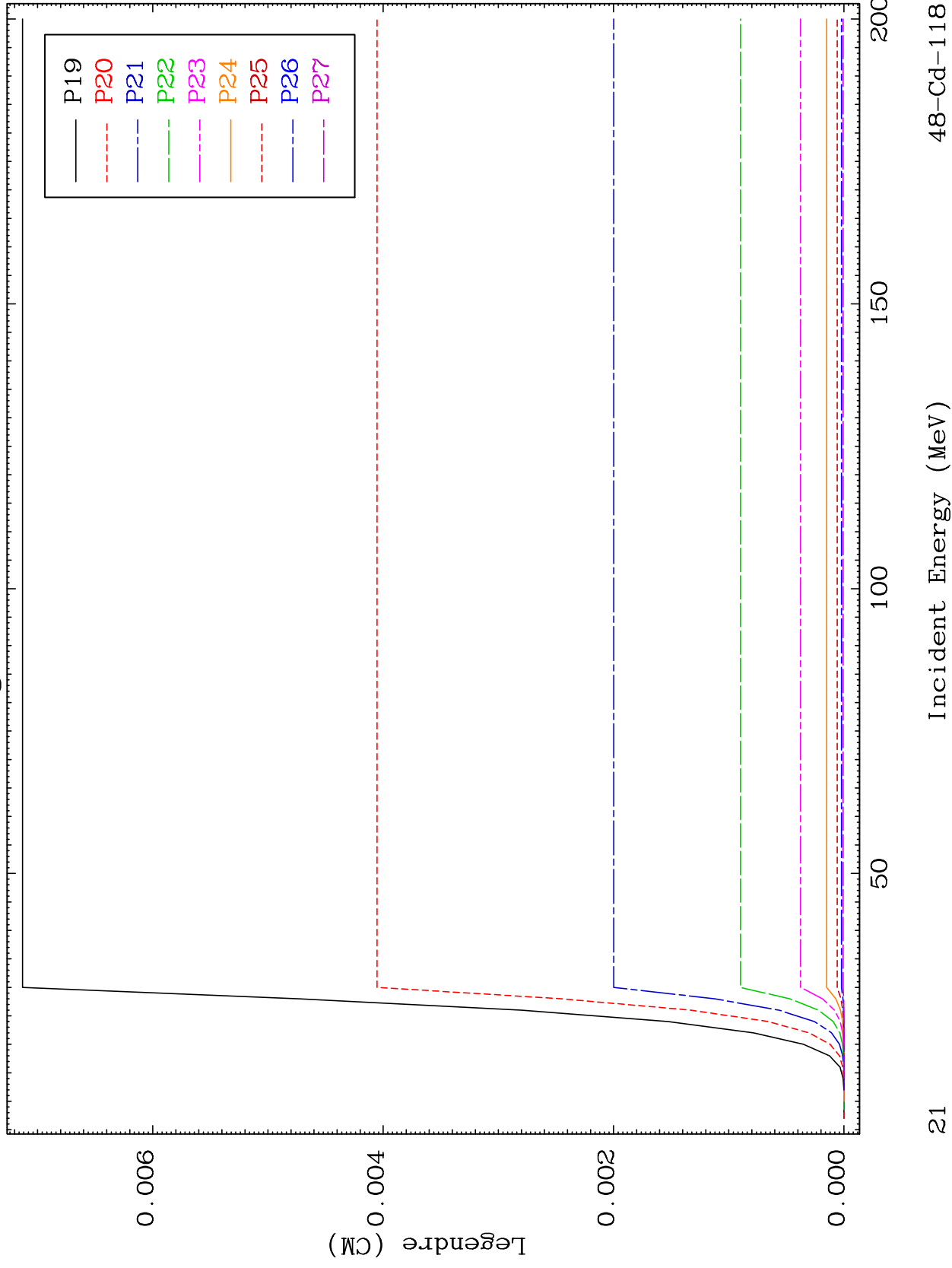
Incident Energy (MeV)

20

MAT 4861

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

48-Cd-118



21

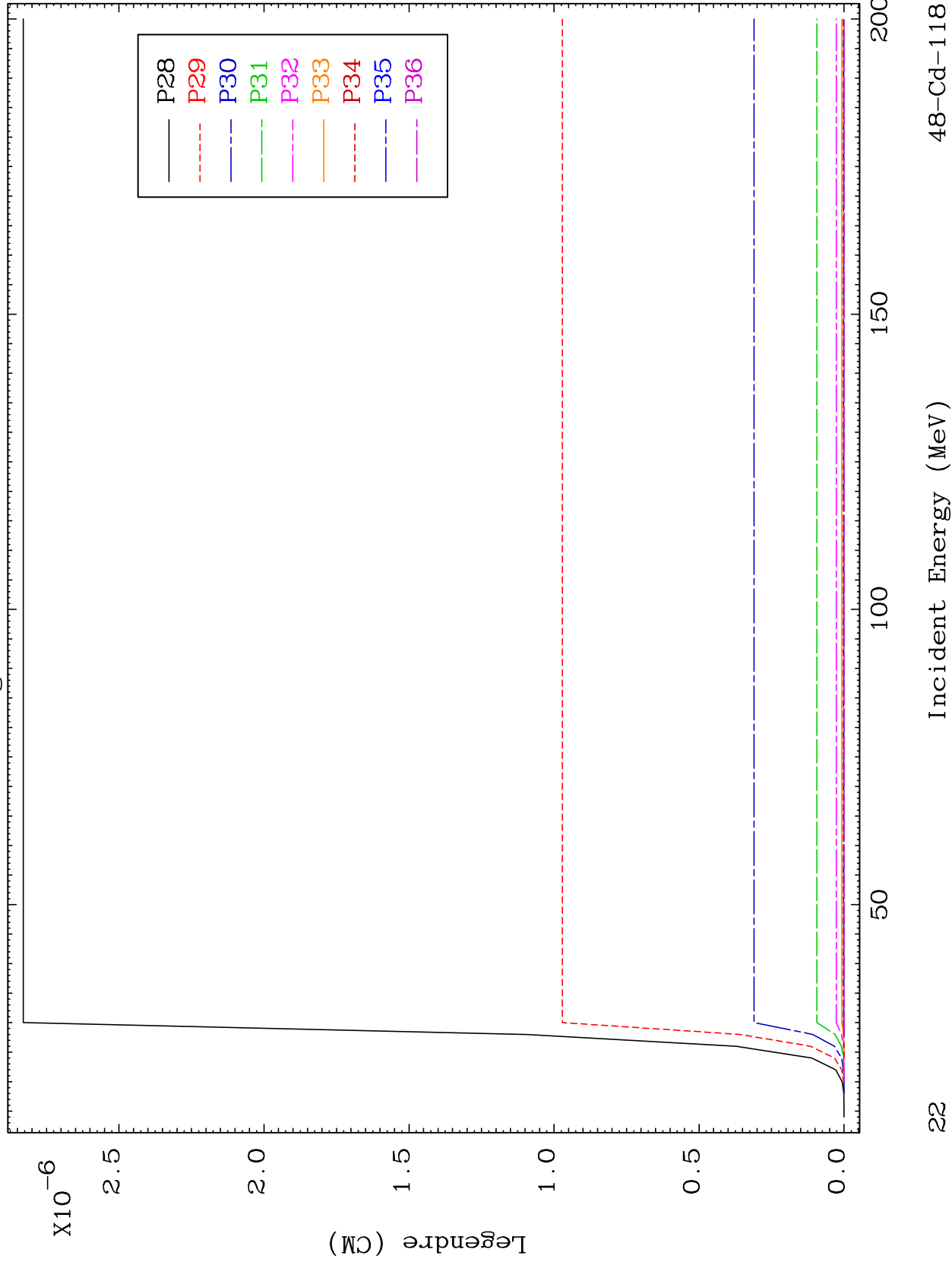
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118

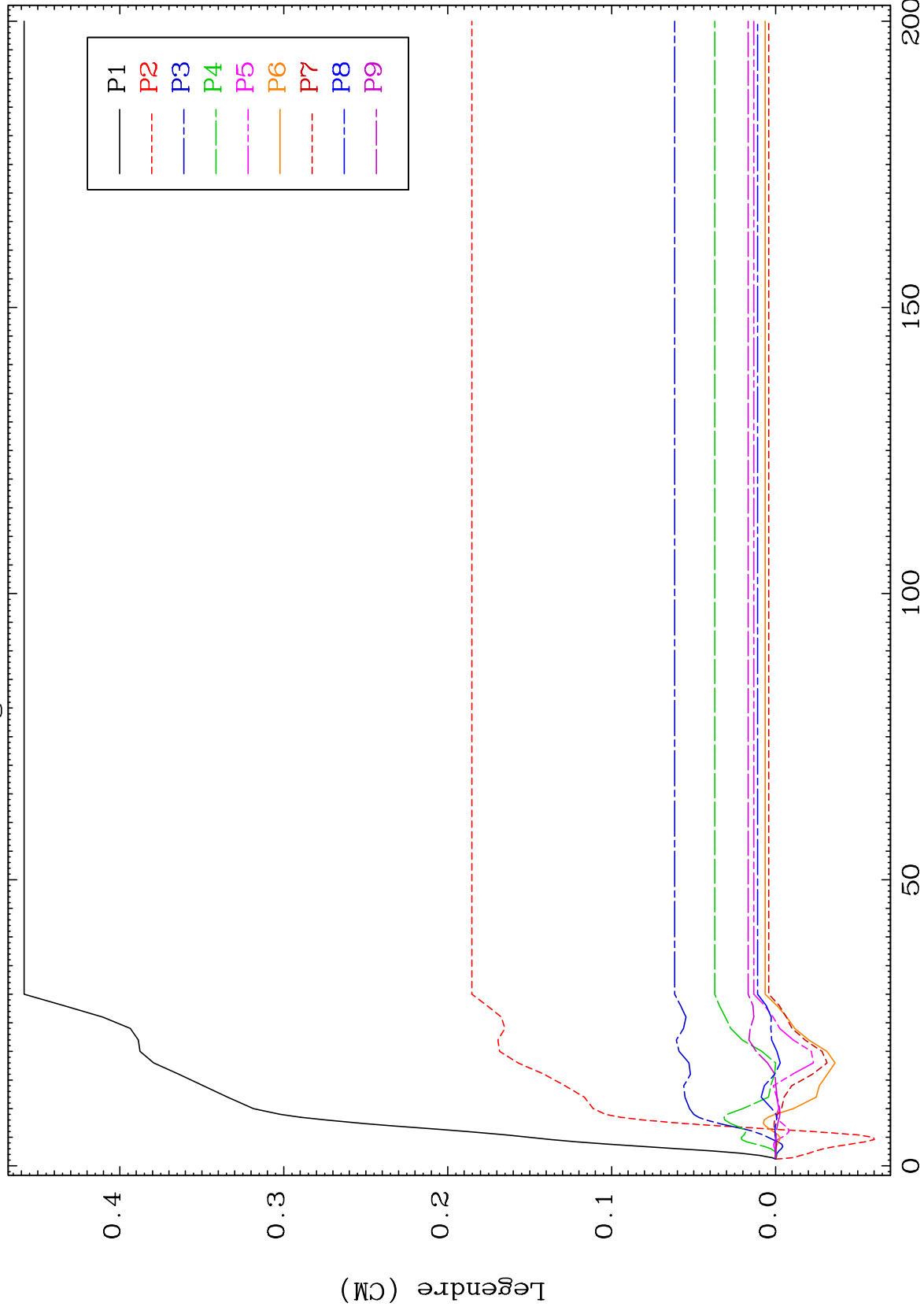


22

MAT 4861

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

48-Cd-118



23

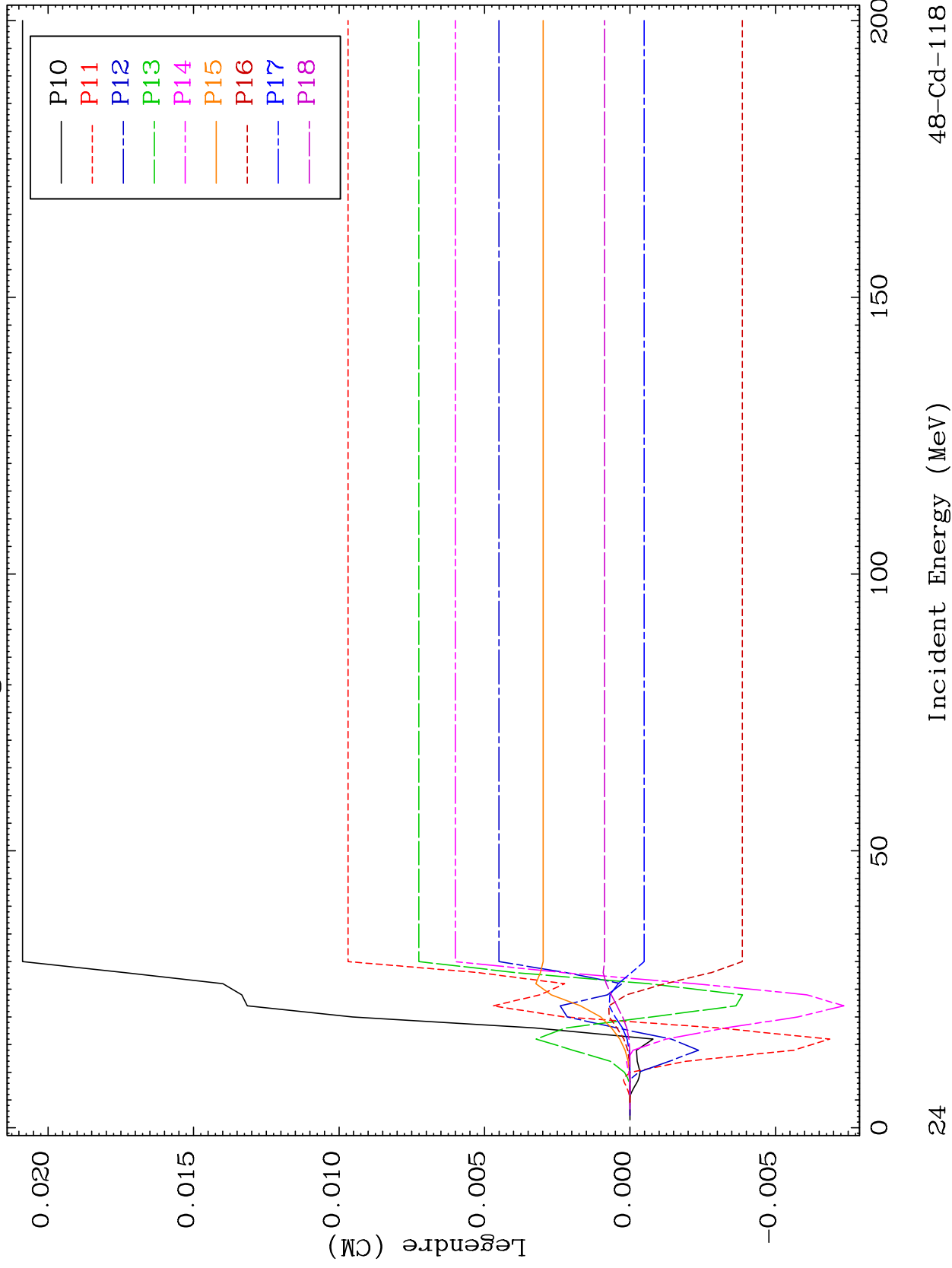
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

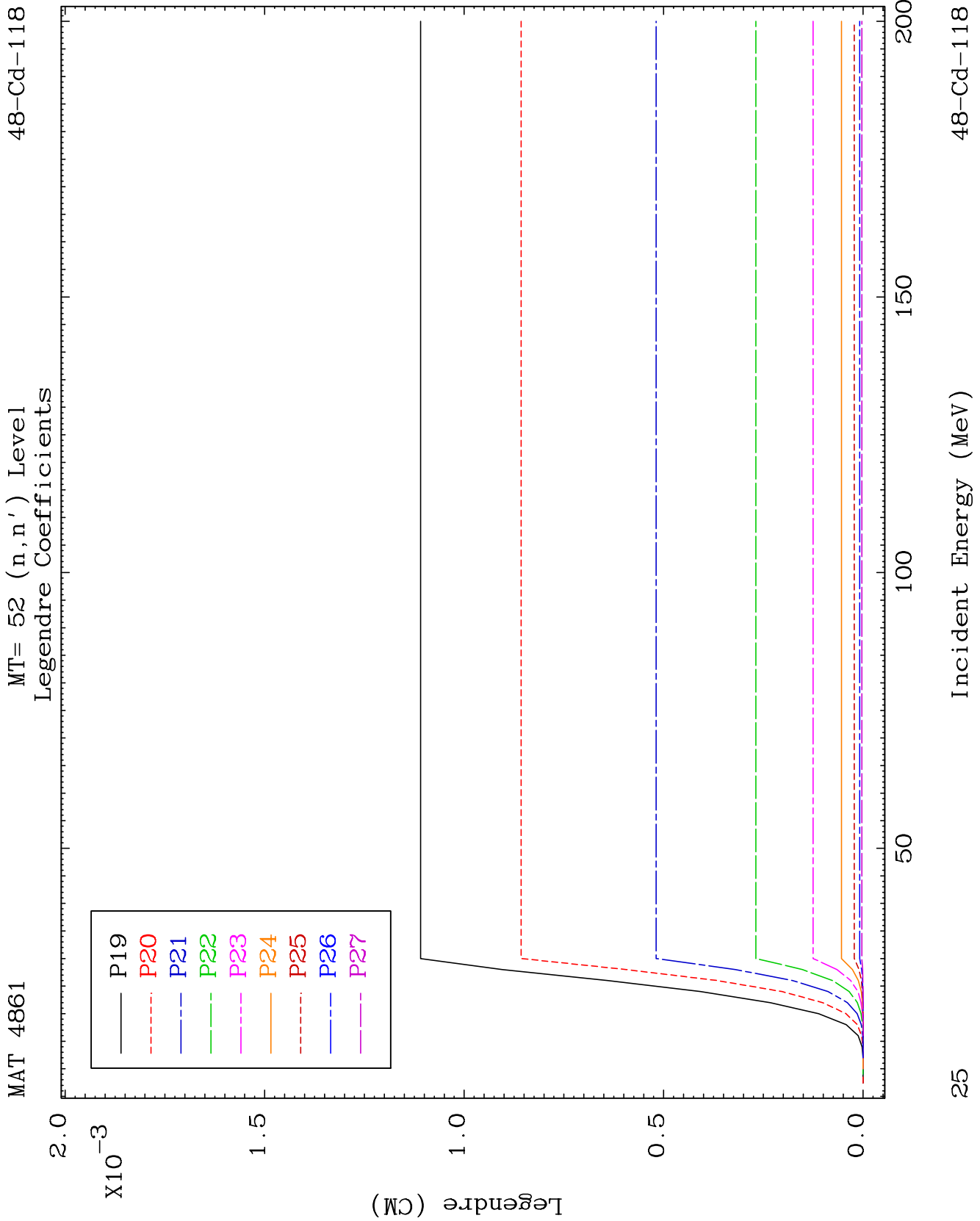
48-Cd-118



48-Cd-118

Incident Energy (MeV)

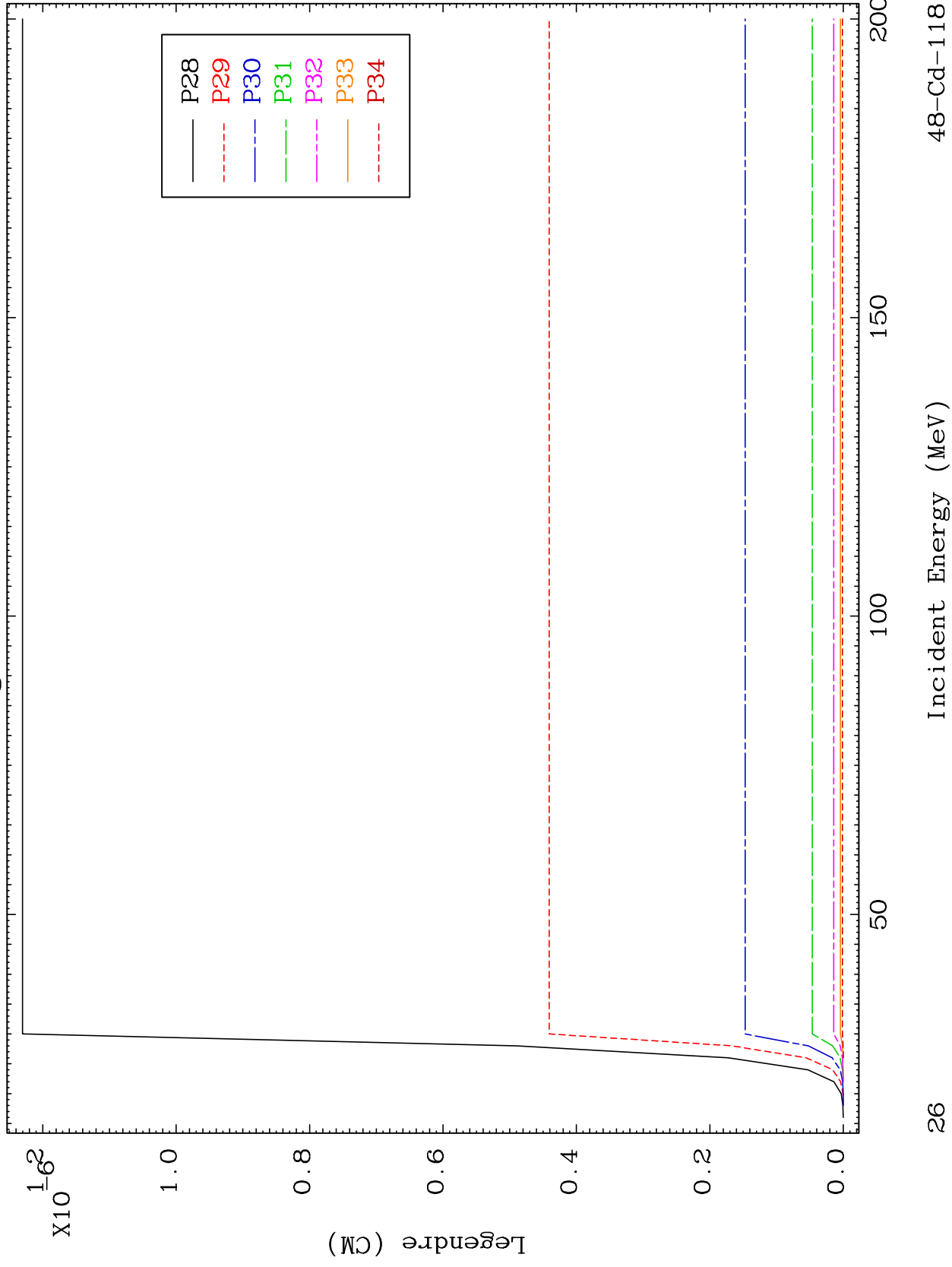
24



MAT 4861

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

48-Cd-118

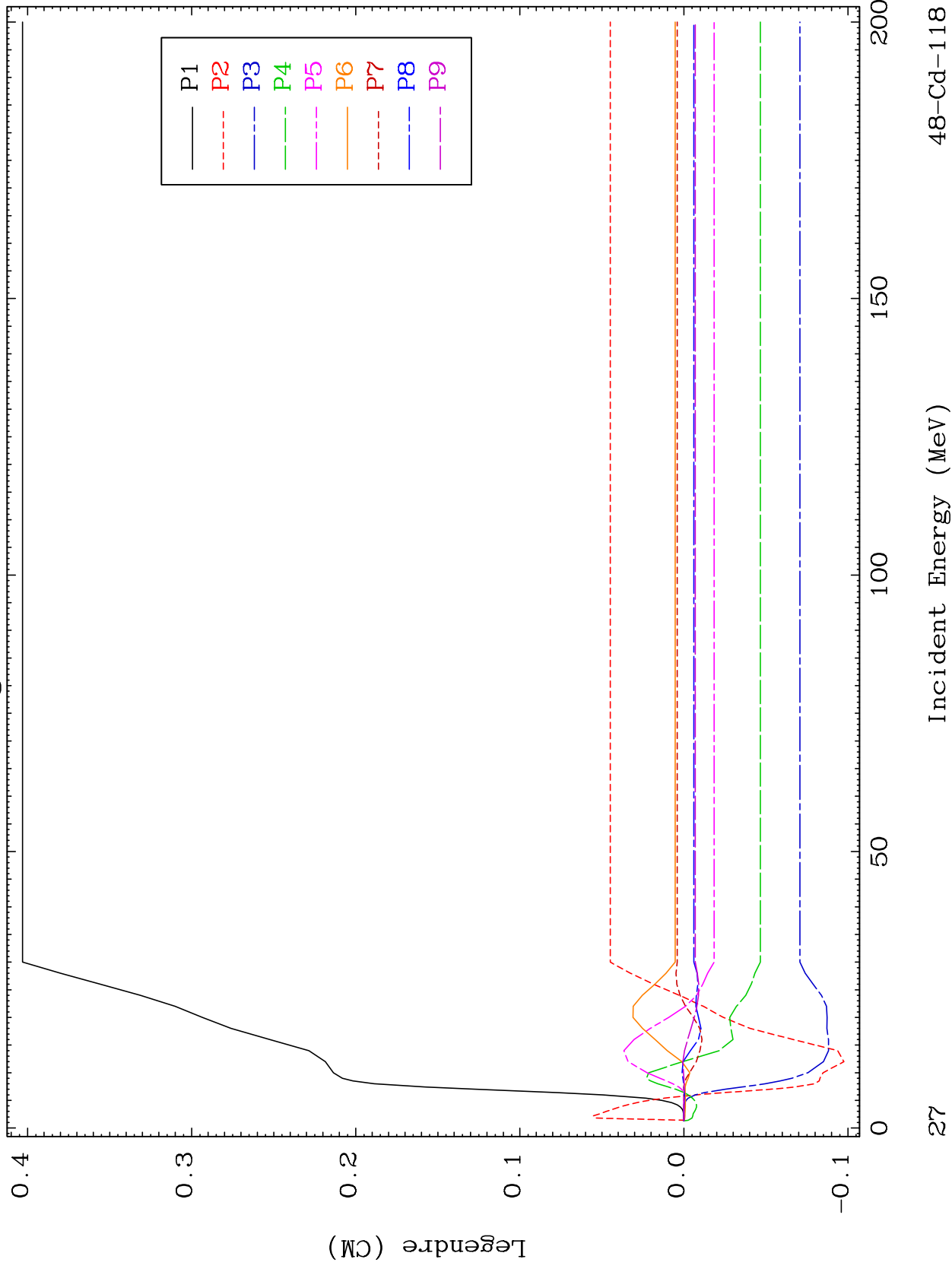


26

MAT 4861

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

48-Cd-118



27

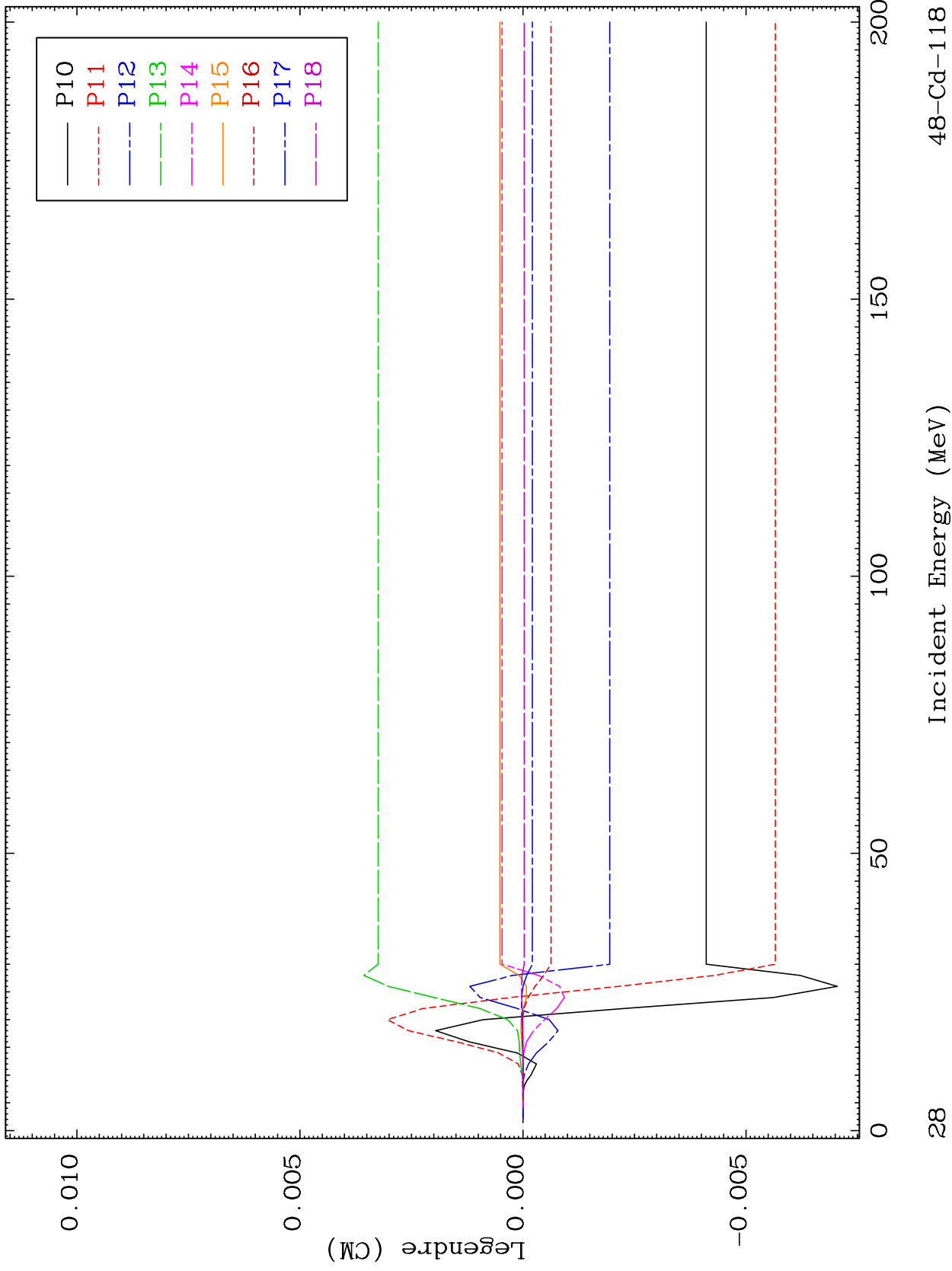
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



48-Cd-118

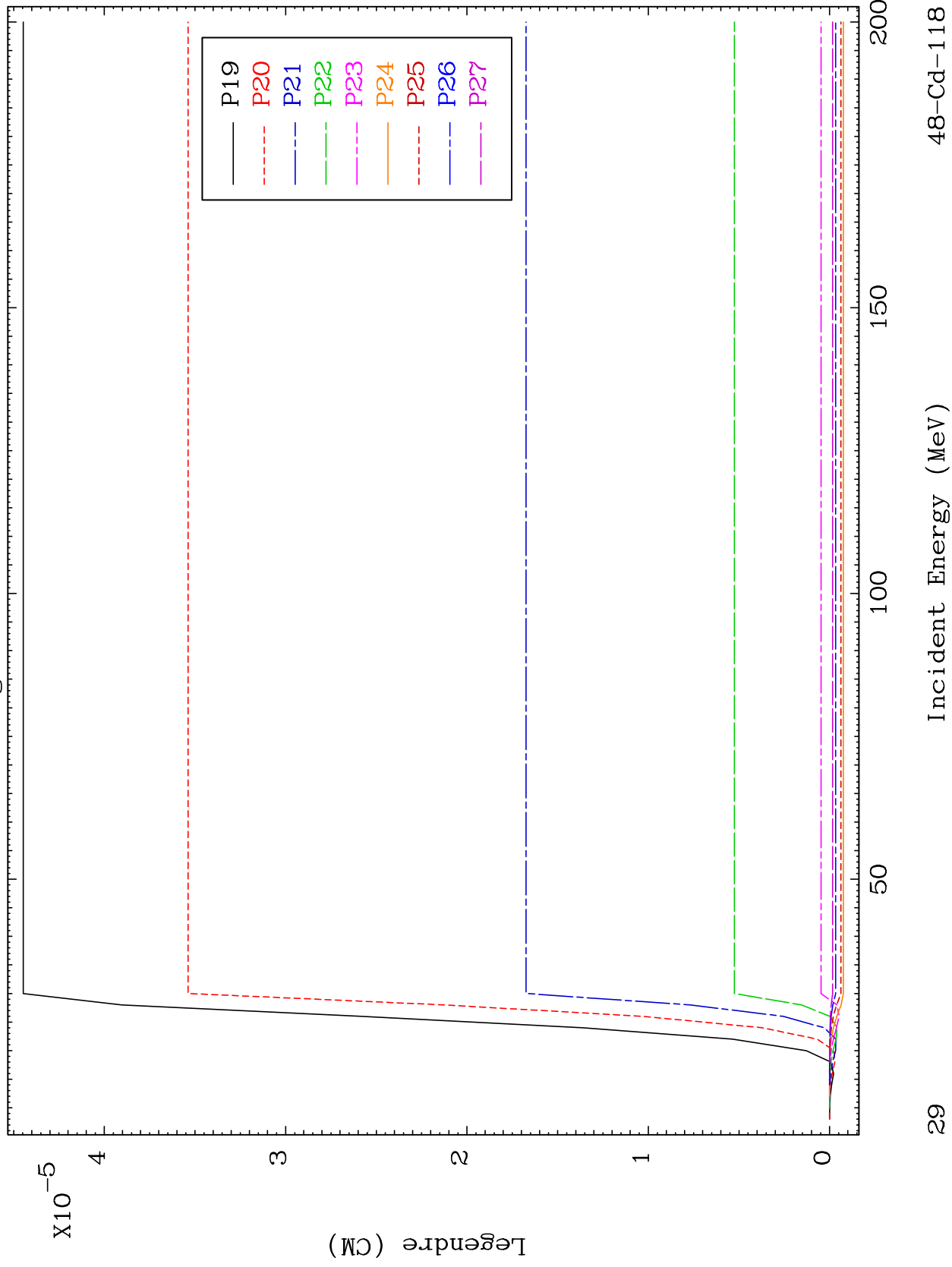
Incident Energy (MeV)

28

MAT 4861

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

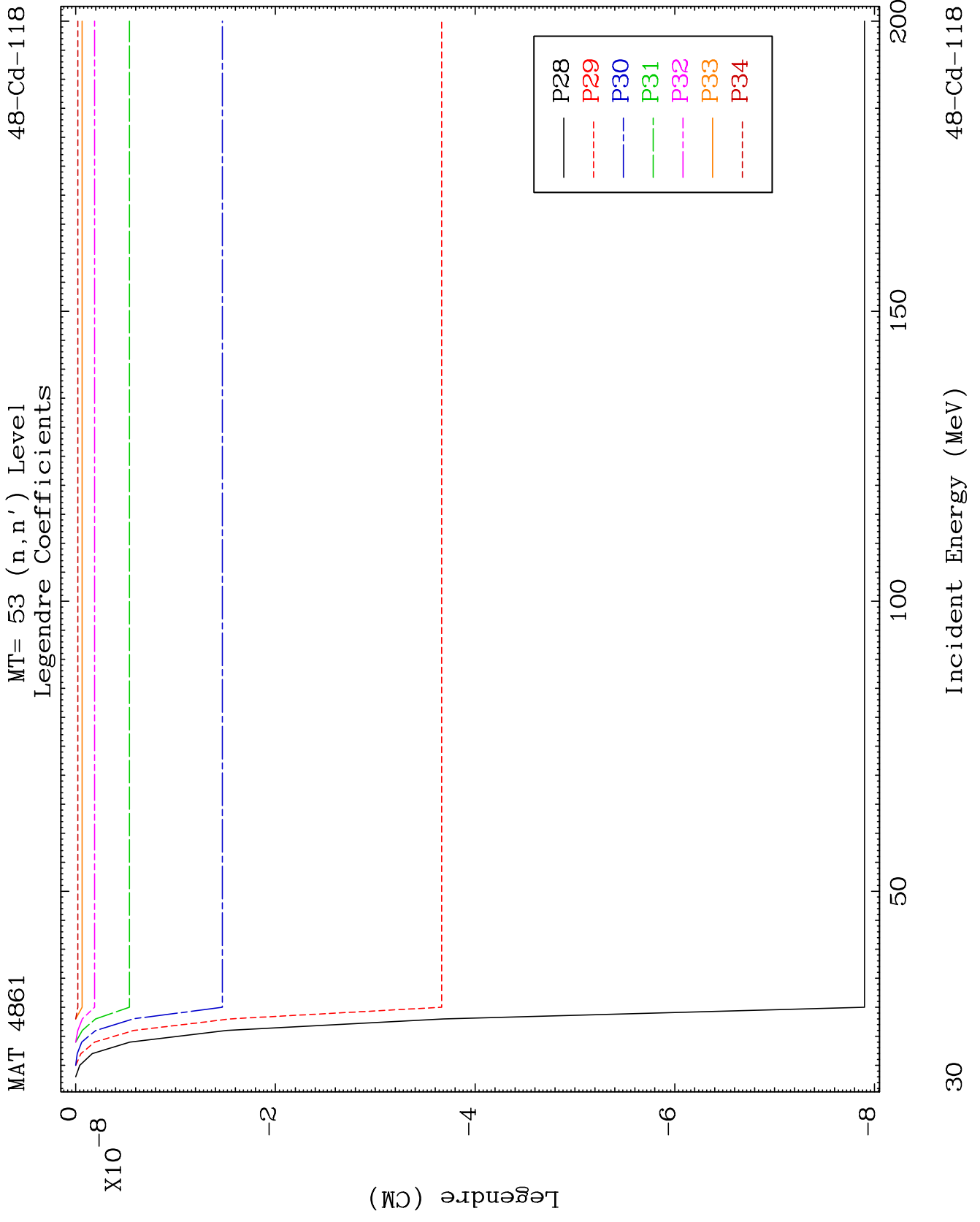
48-Cd-118

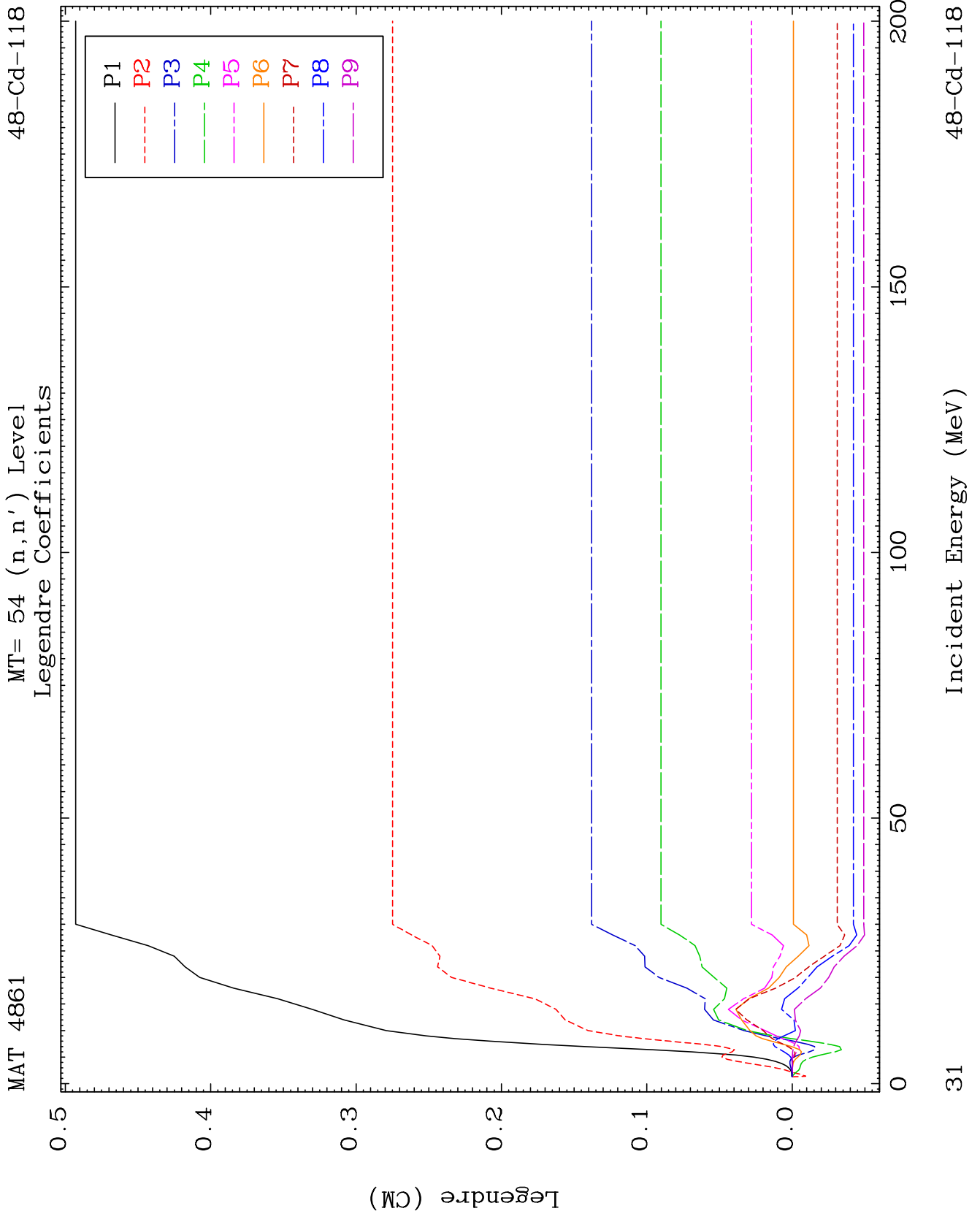


29

Incident Energy (MeV)

48-Cd-118

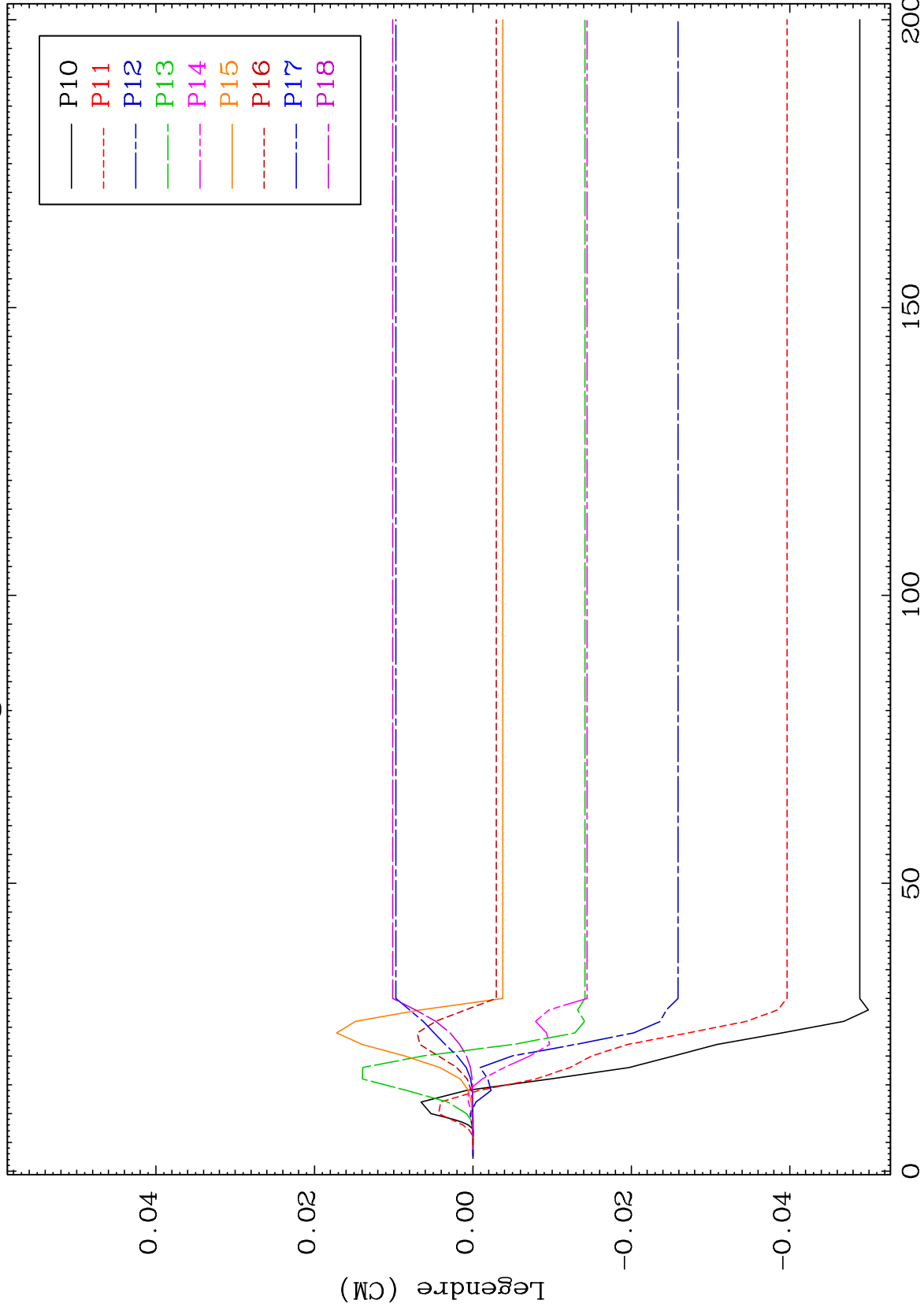




MAT 4861

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

48-Cd-118



32

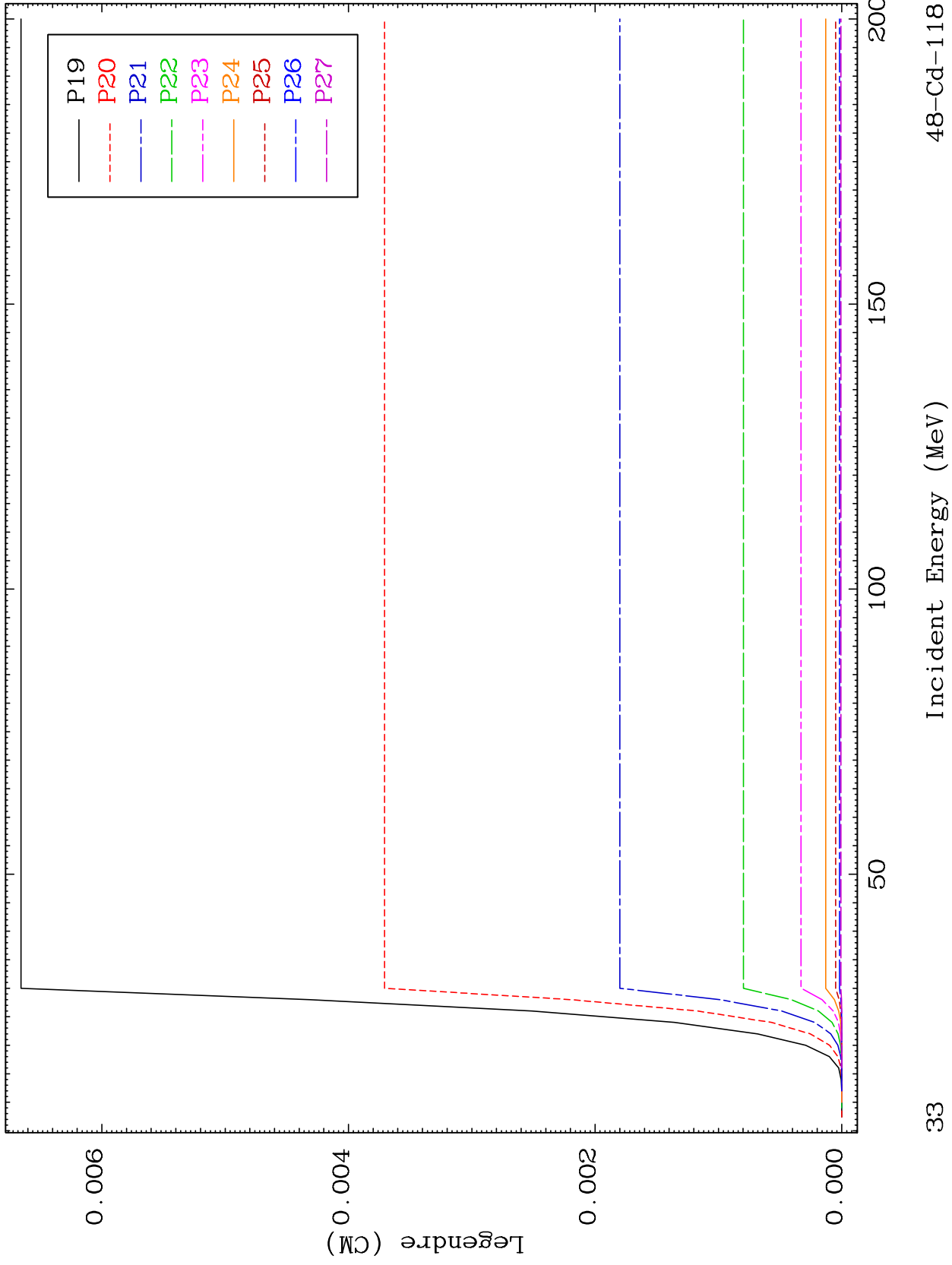
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



33

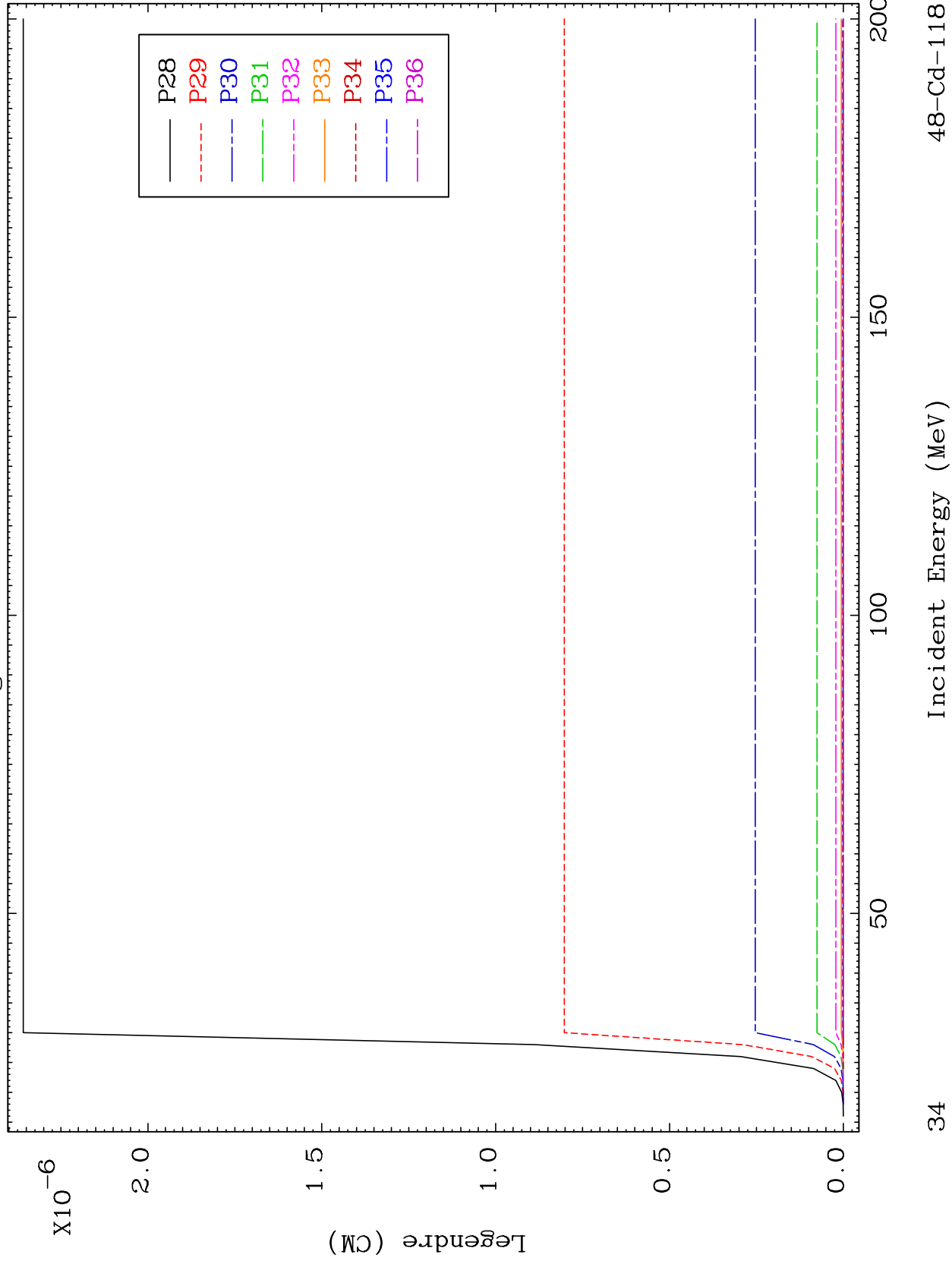
Incident Energy (MeV)

48-Cd-118

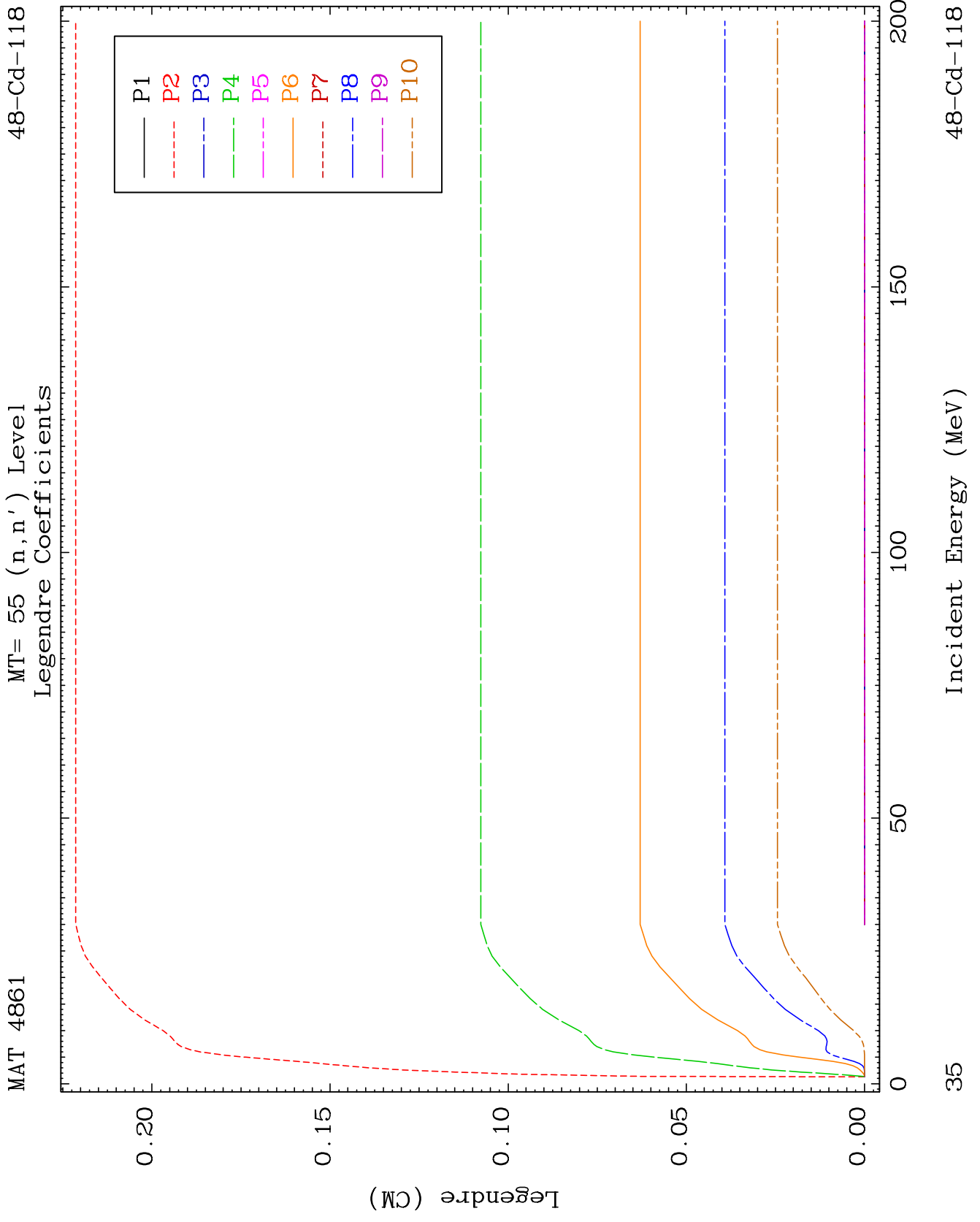
MAT 4861

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

48-Cd-118



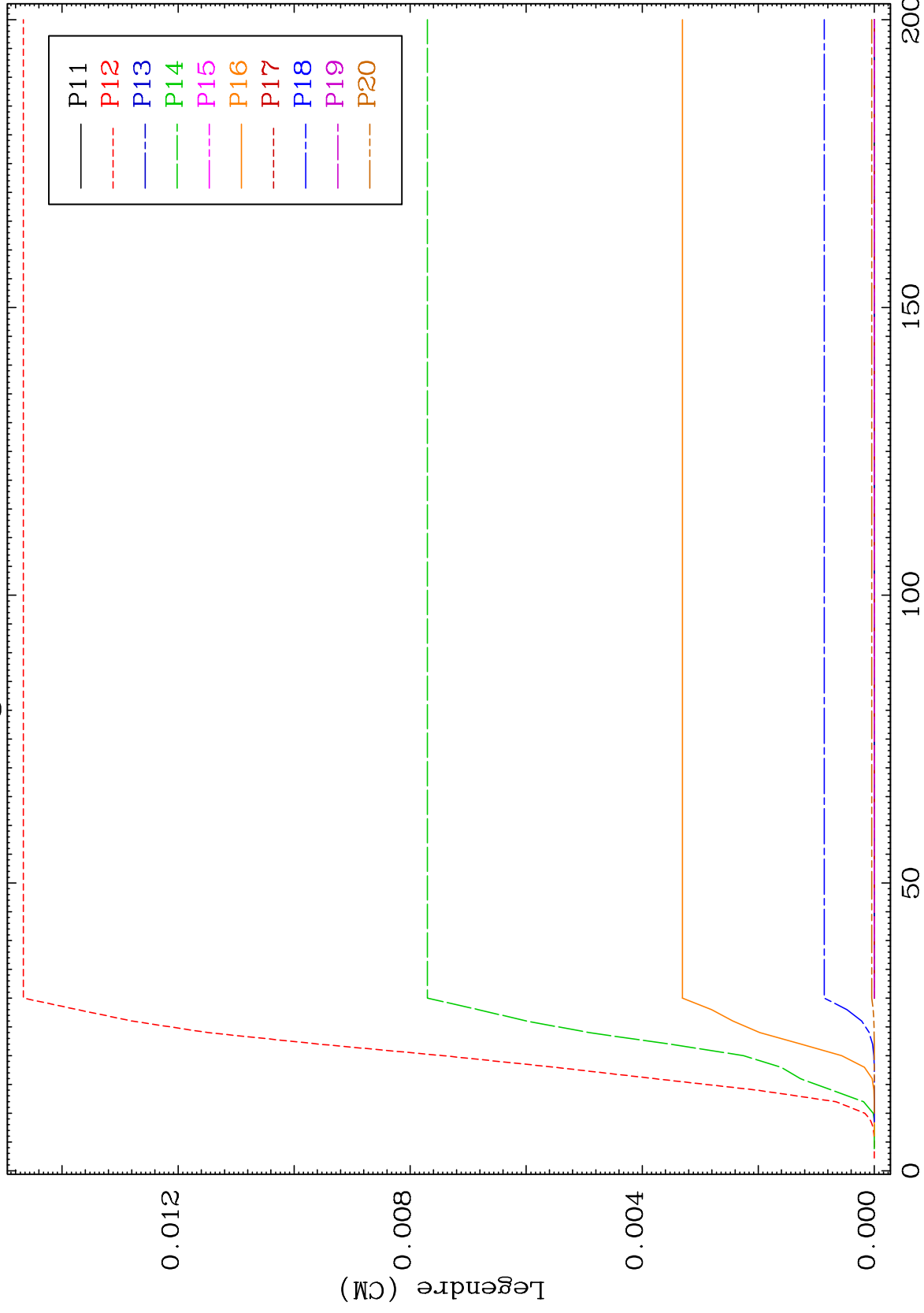
34



MAT 4861

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

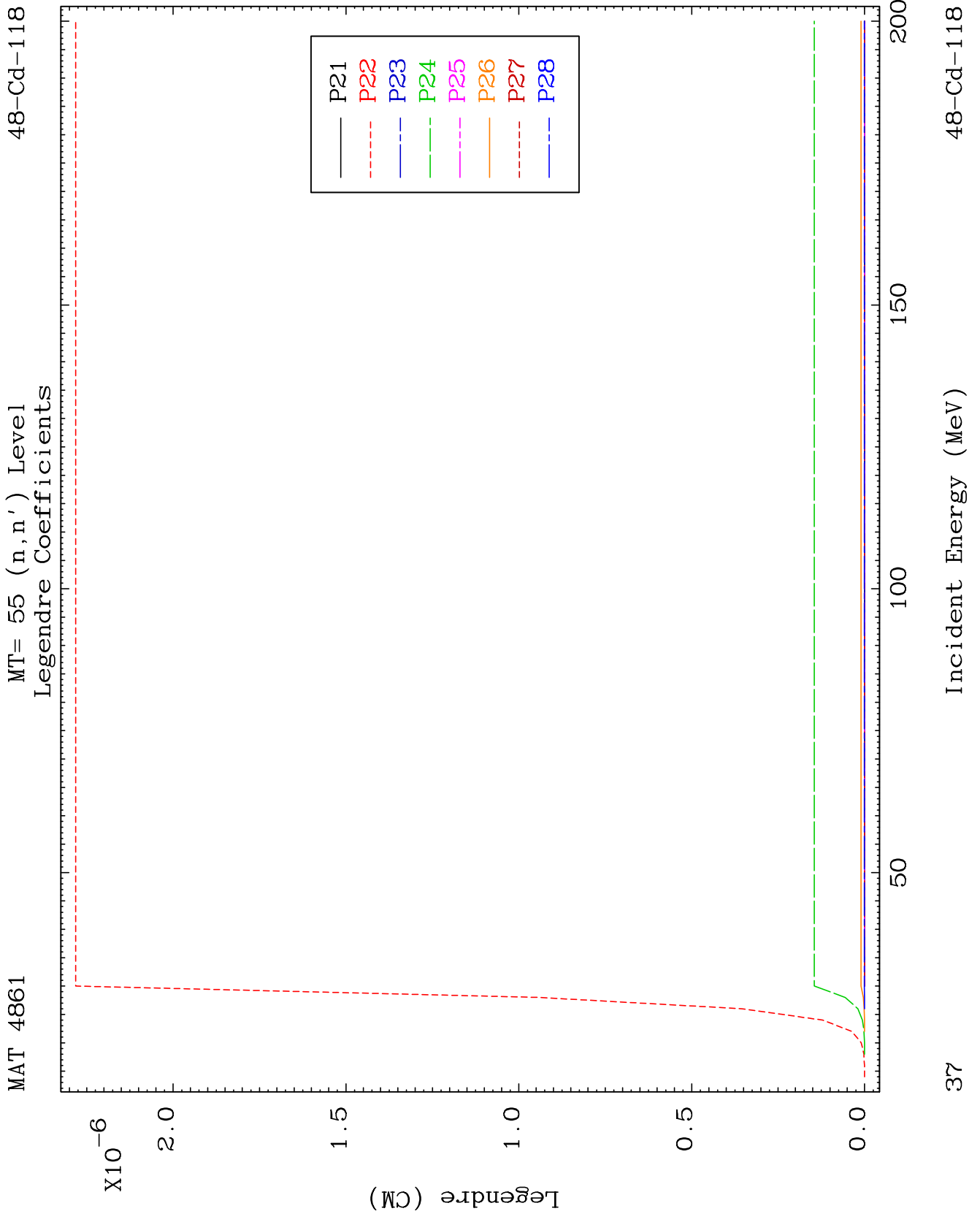
48-Cd-118

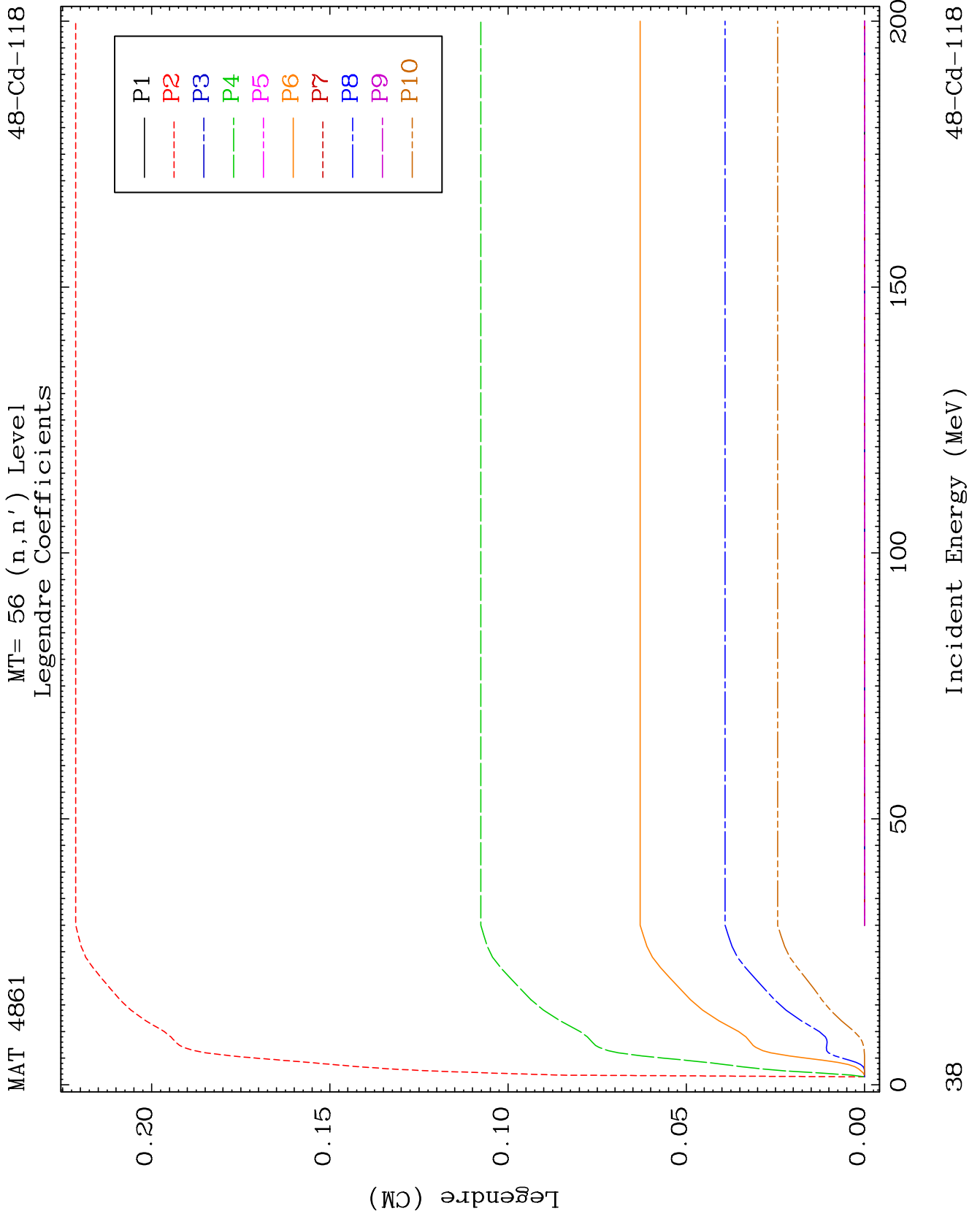


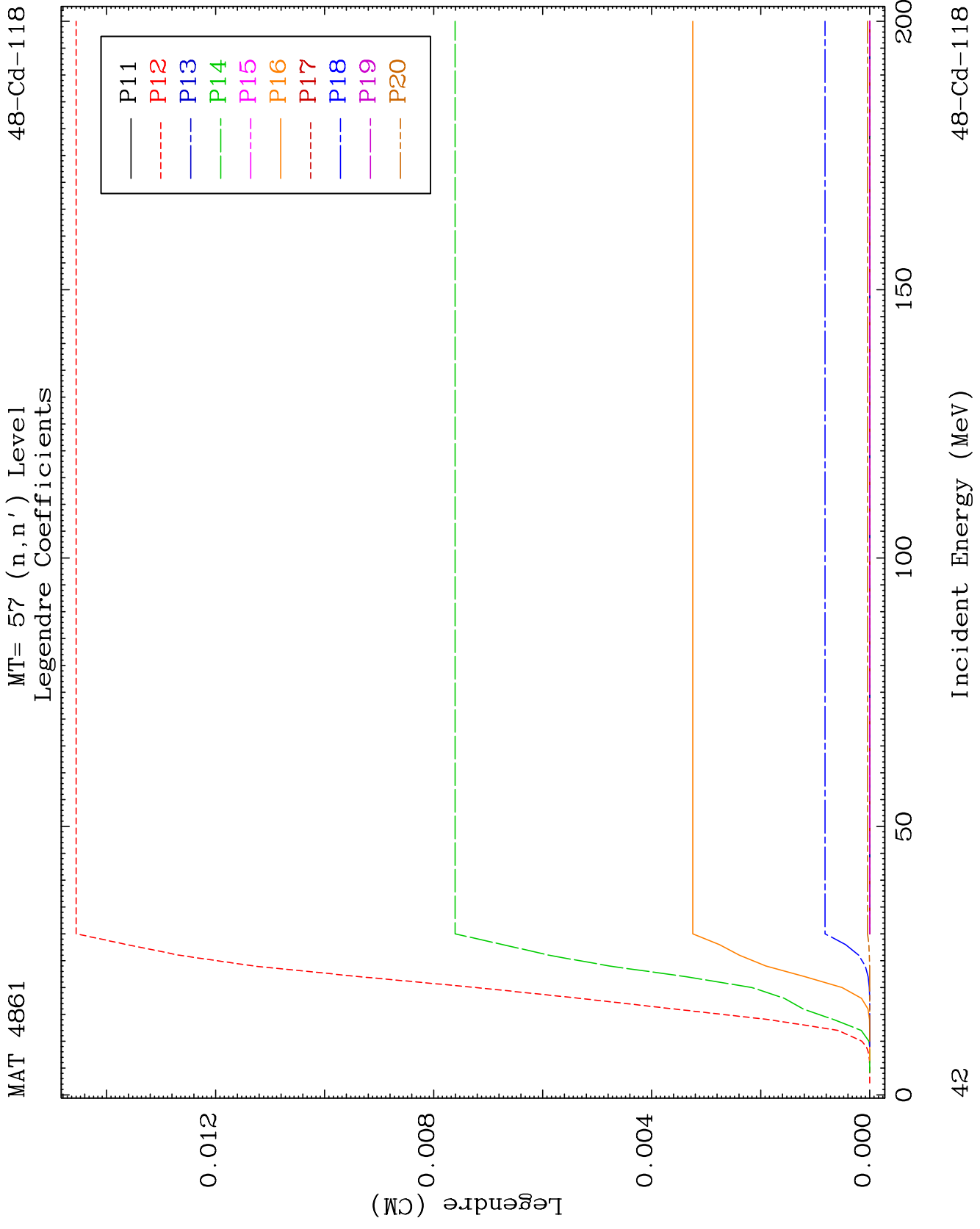
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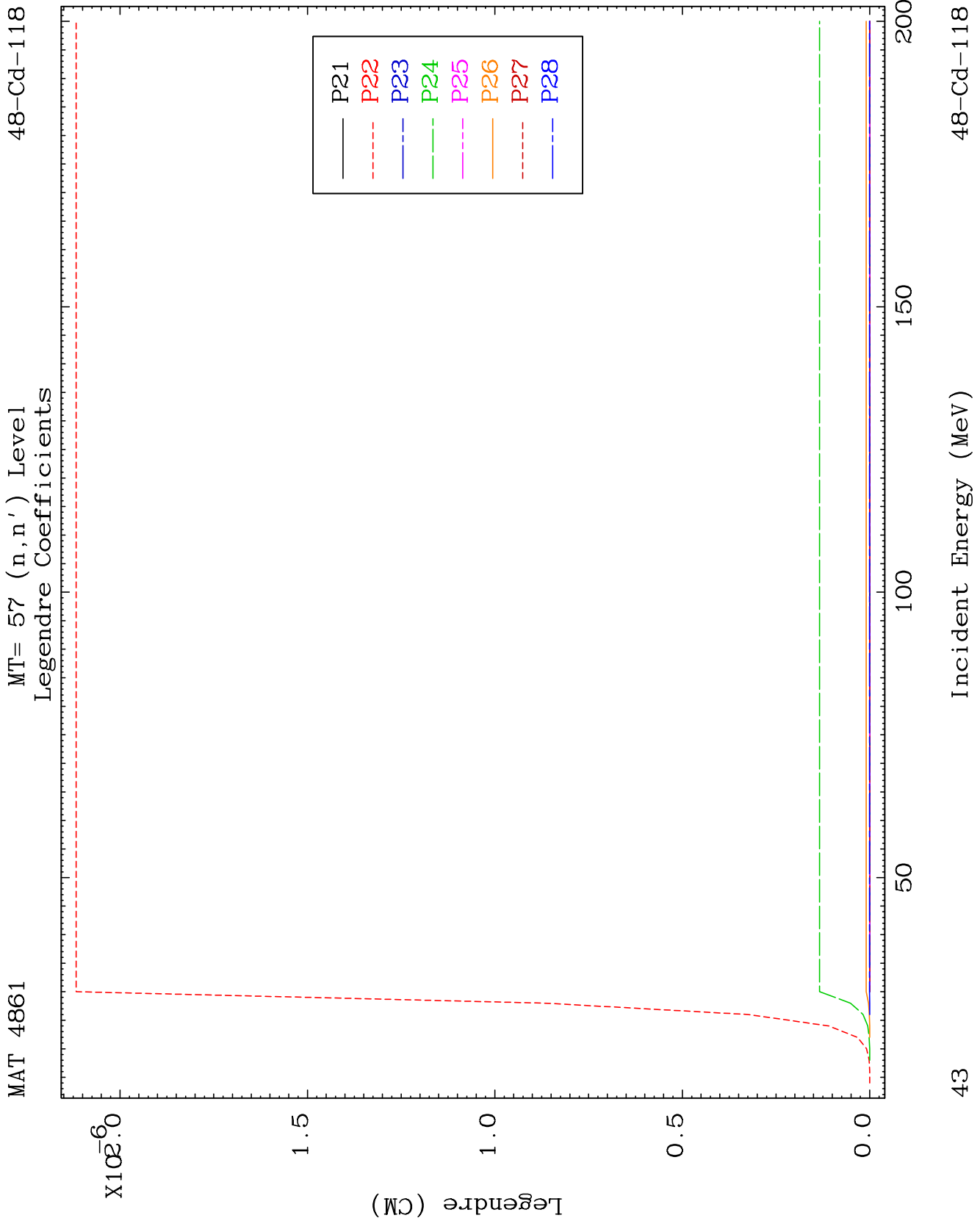
Incident Energy (MeV)

48-Cd-118





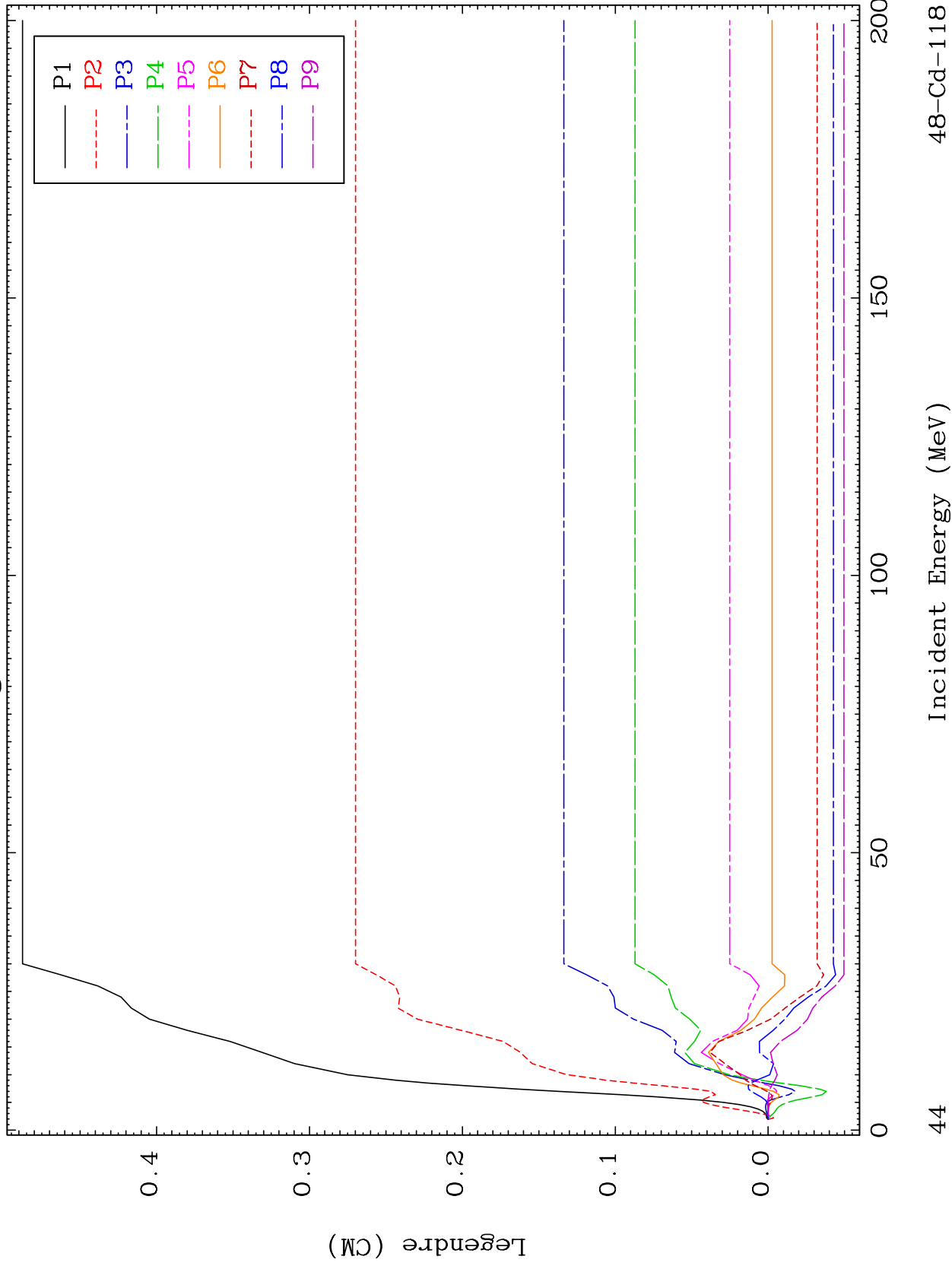




MAT 4861

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

48-Cd-118

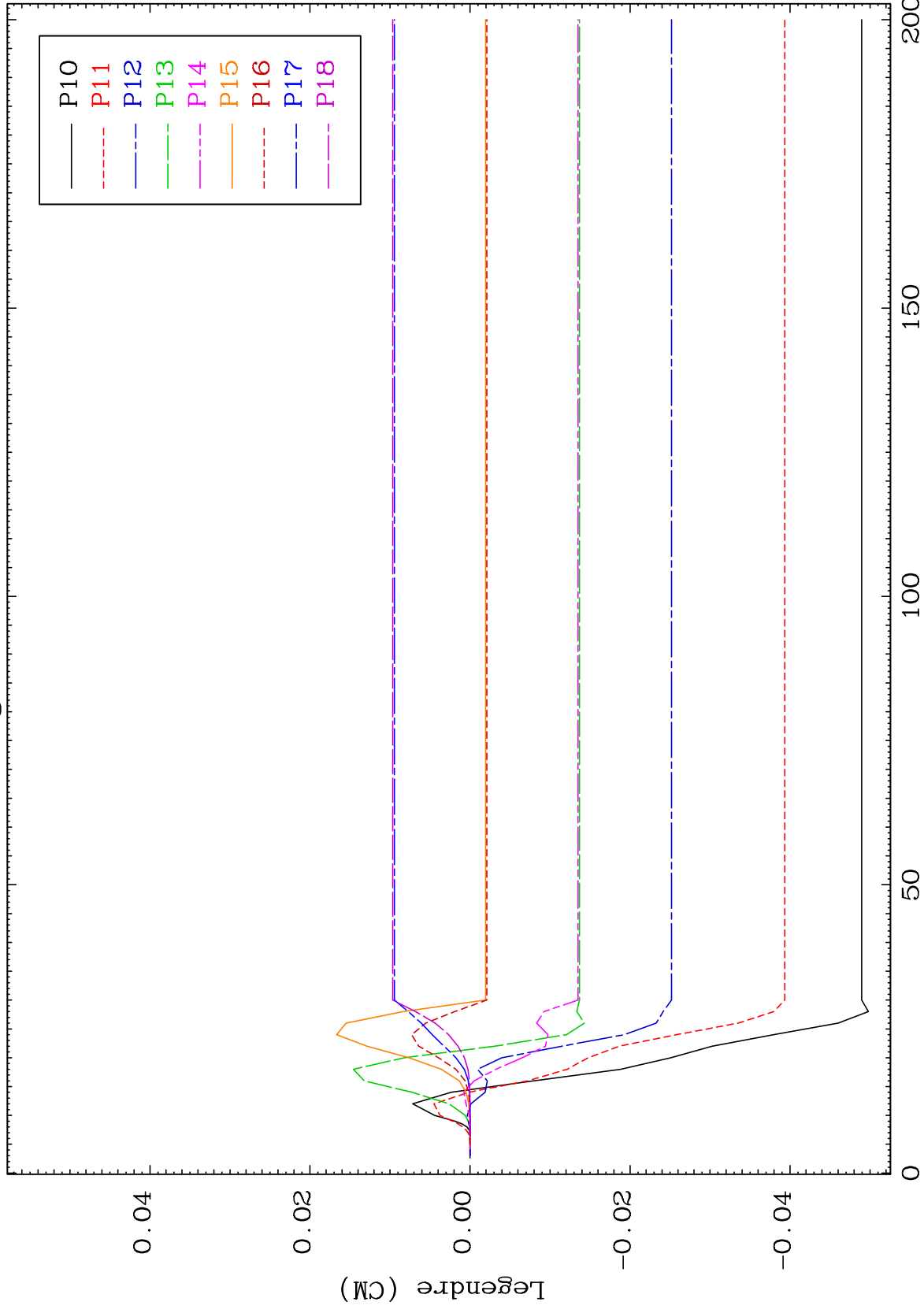


44

MAT 4861

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

48-Cd-118



45

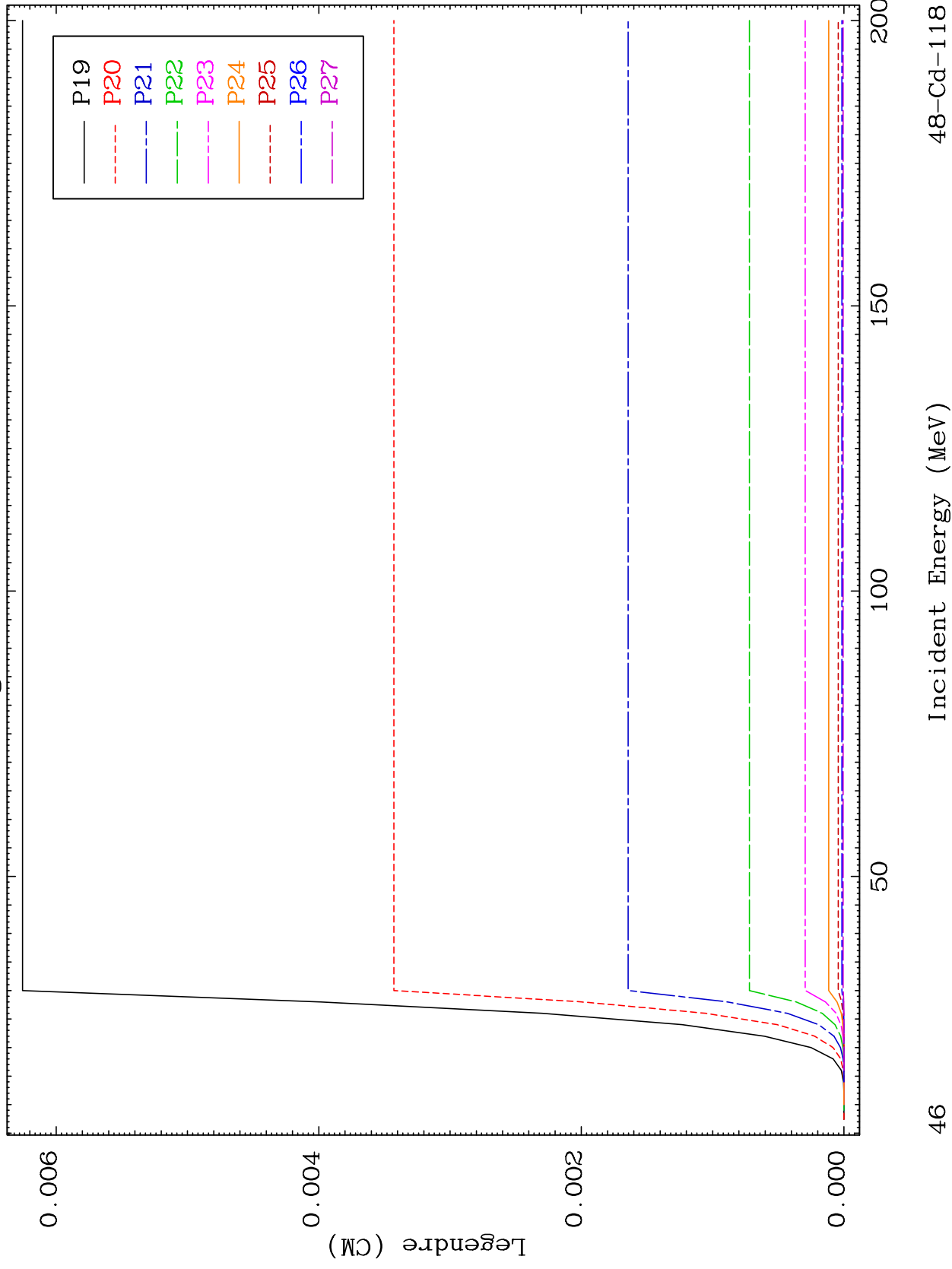
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



46

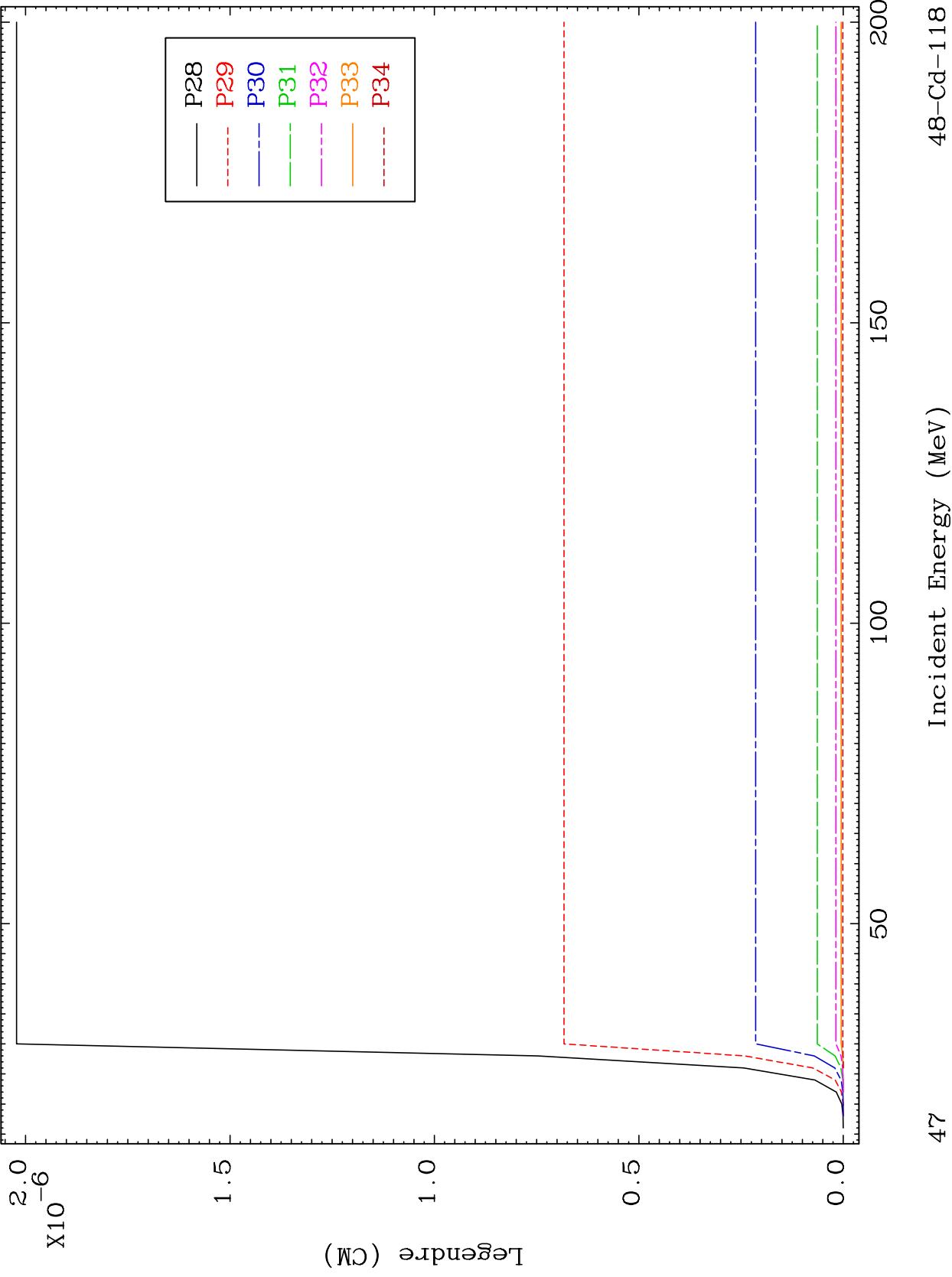
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



47

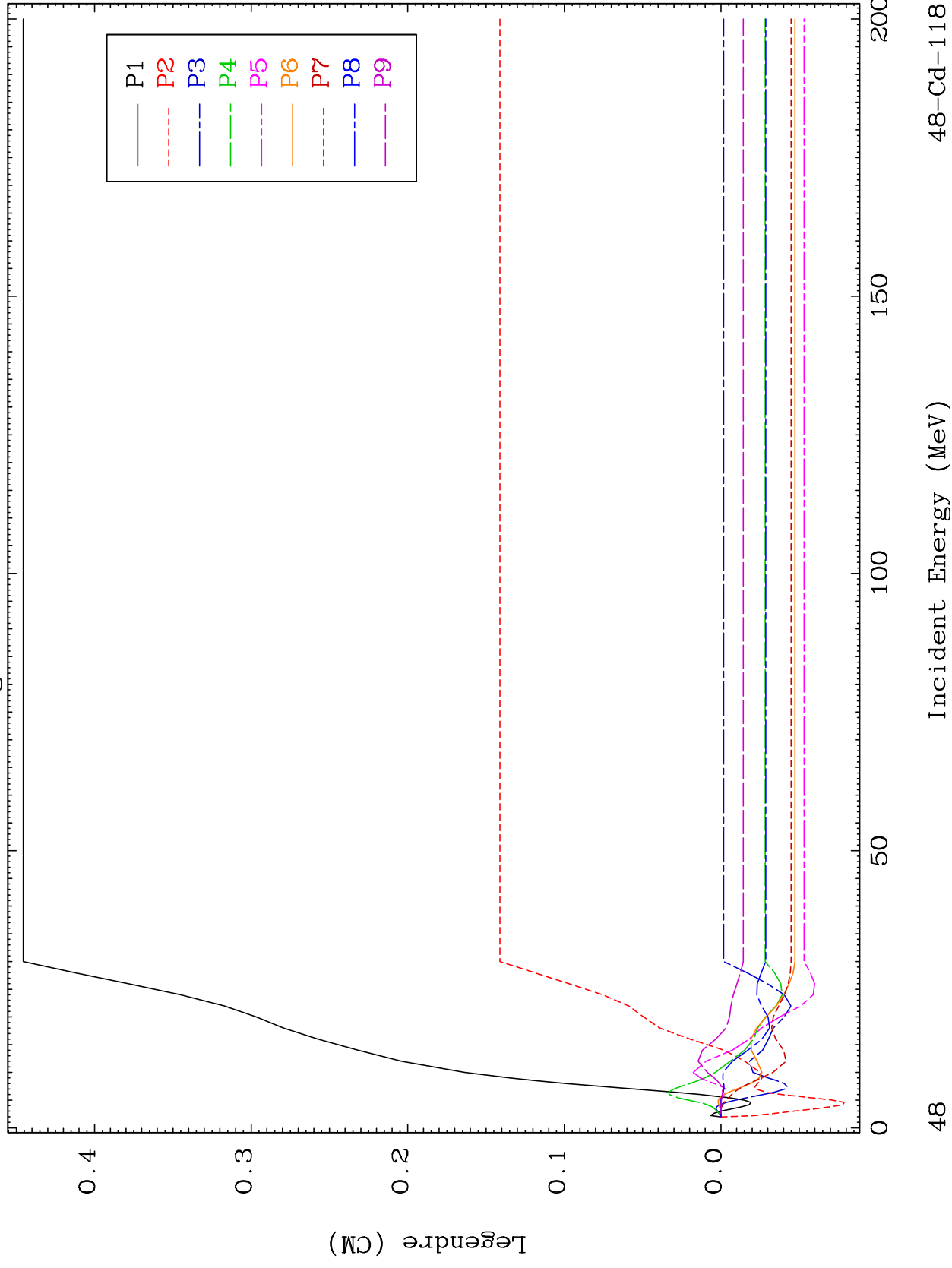
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



48-Cd-118

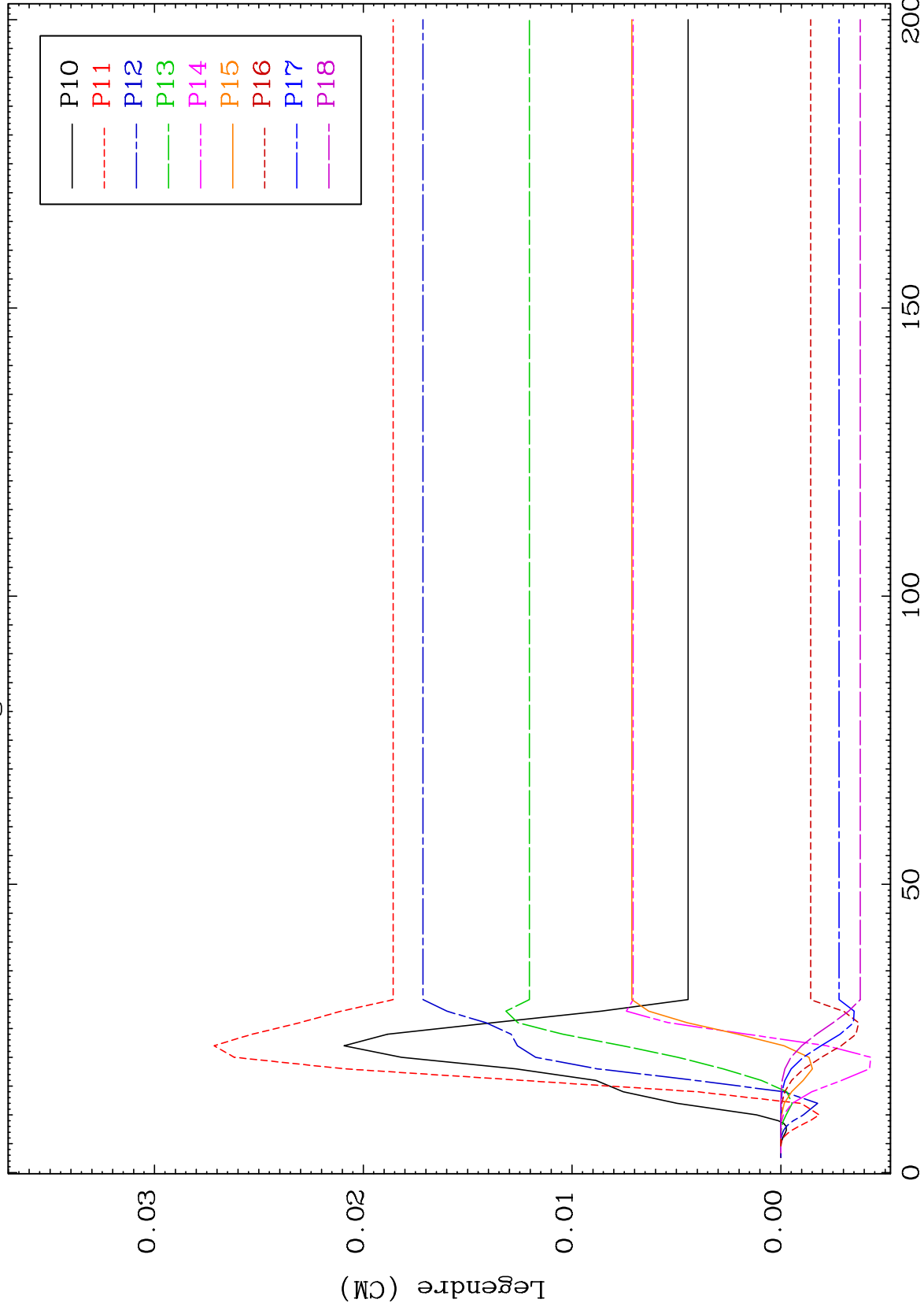
Incident Energy (MeV)

48

MAT 4861

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

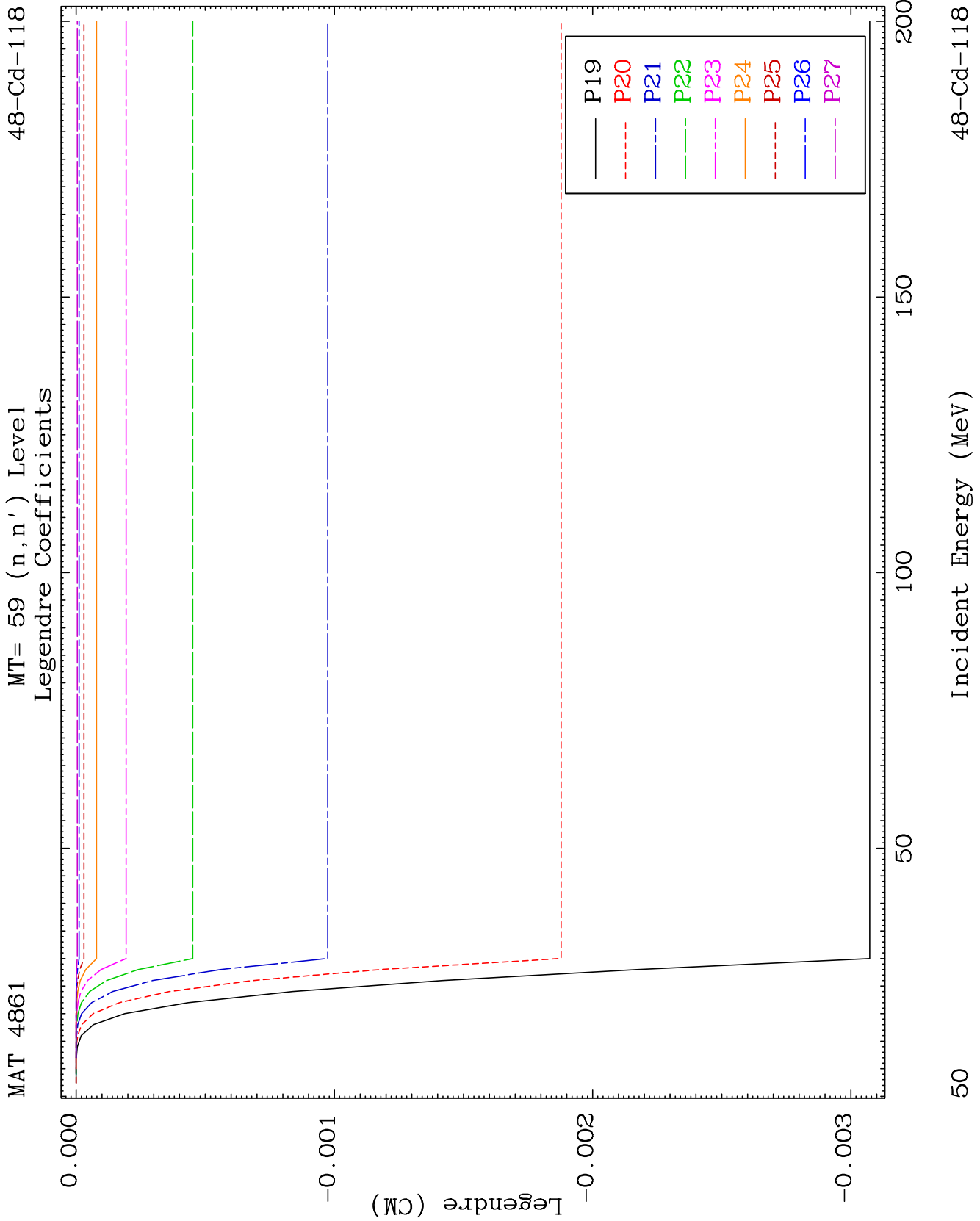
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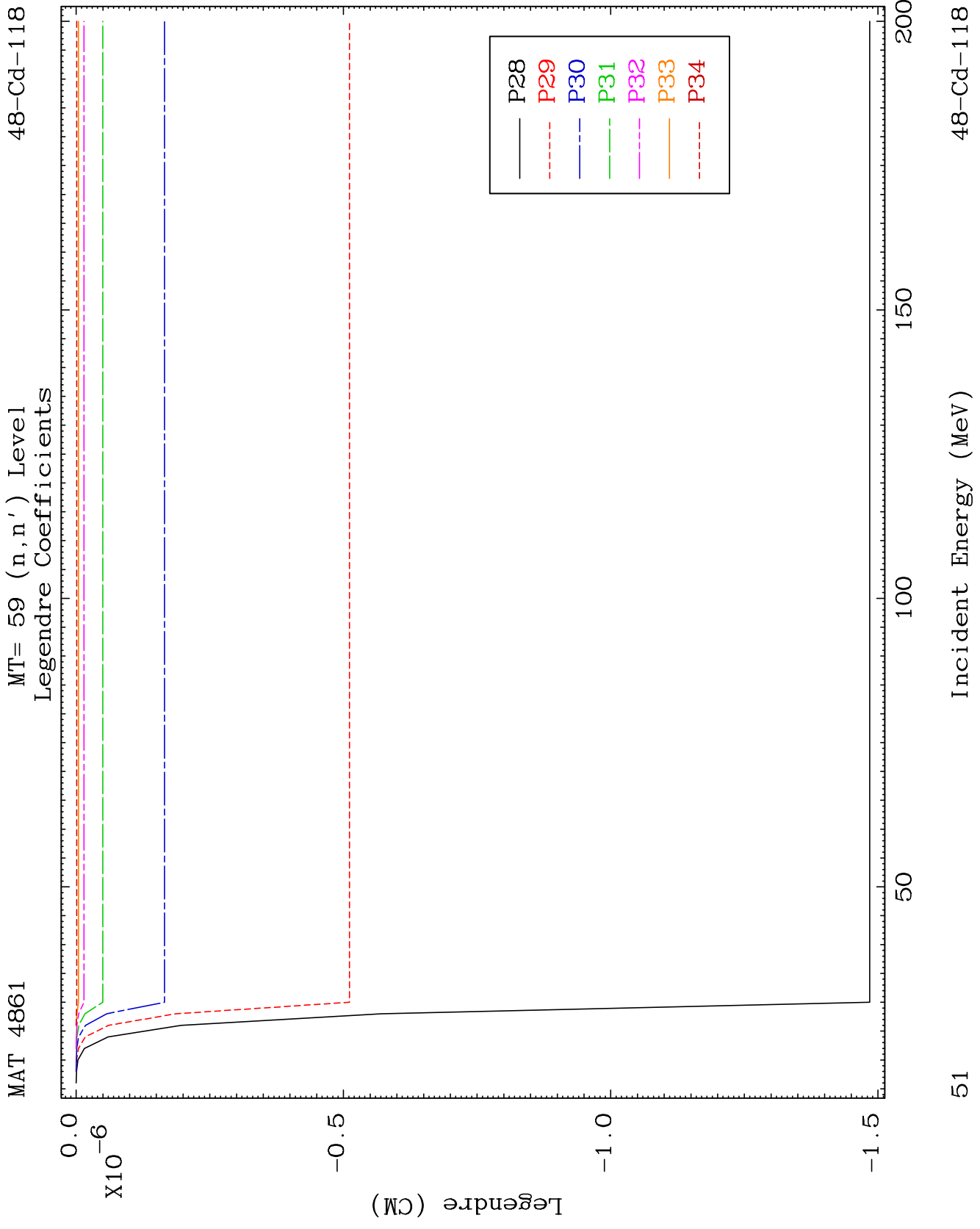


49

Incident Energy (MeV)

48-Cd-118

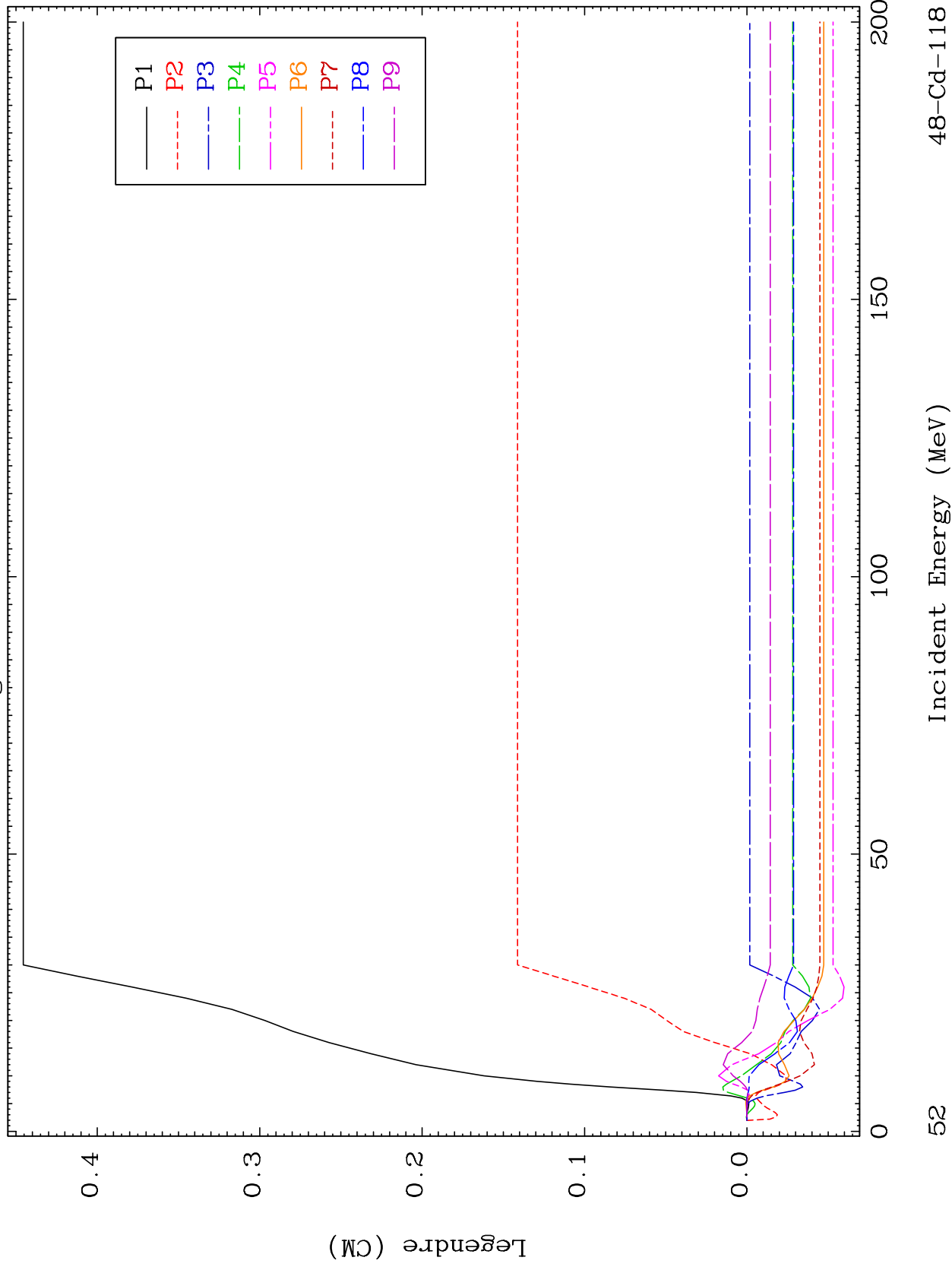




MAT 4861

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

48-Cd-118



52

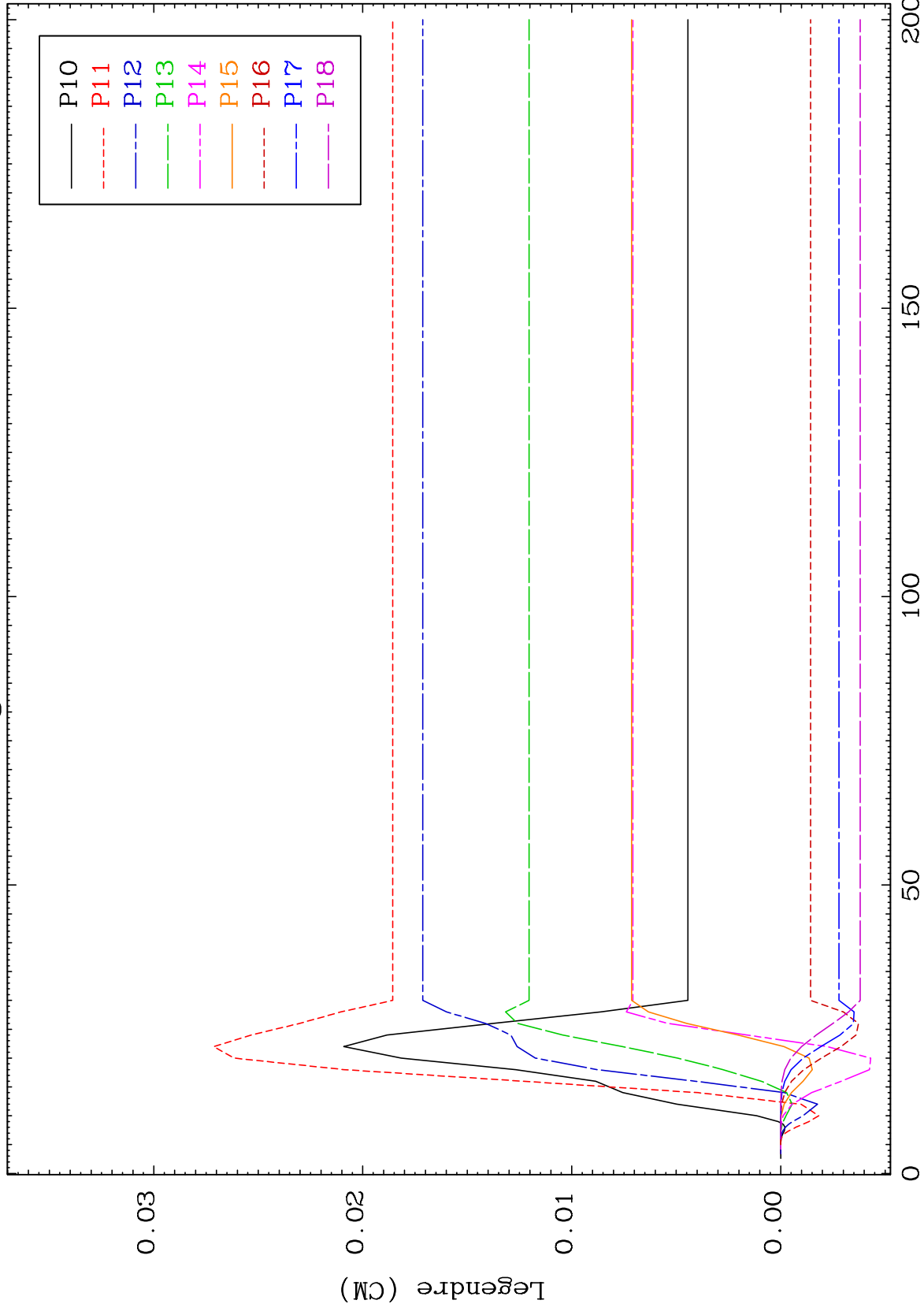
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

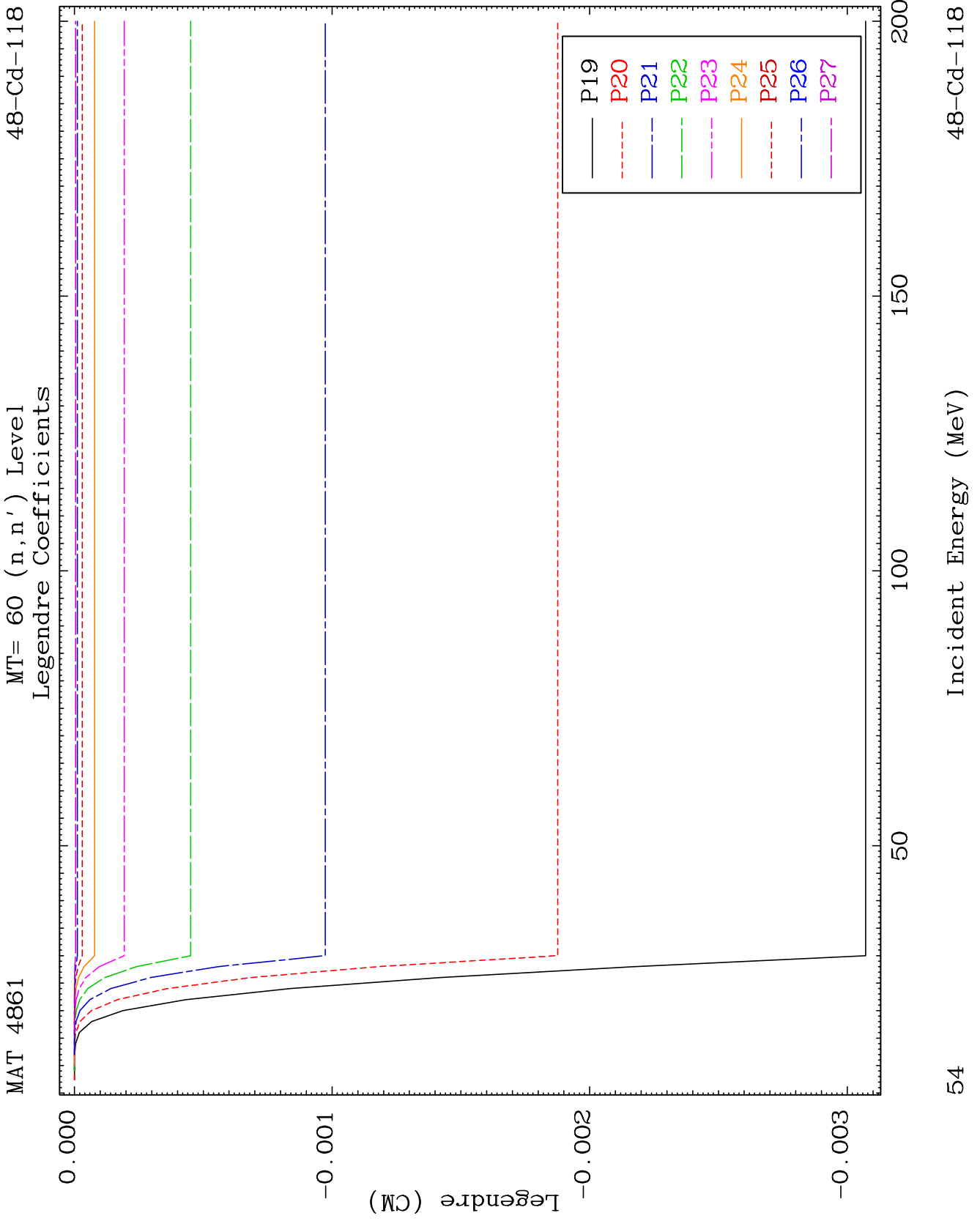
48-Cd-118



53

Incident Energy (MeV)

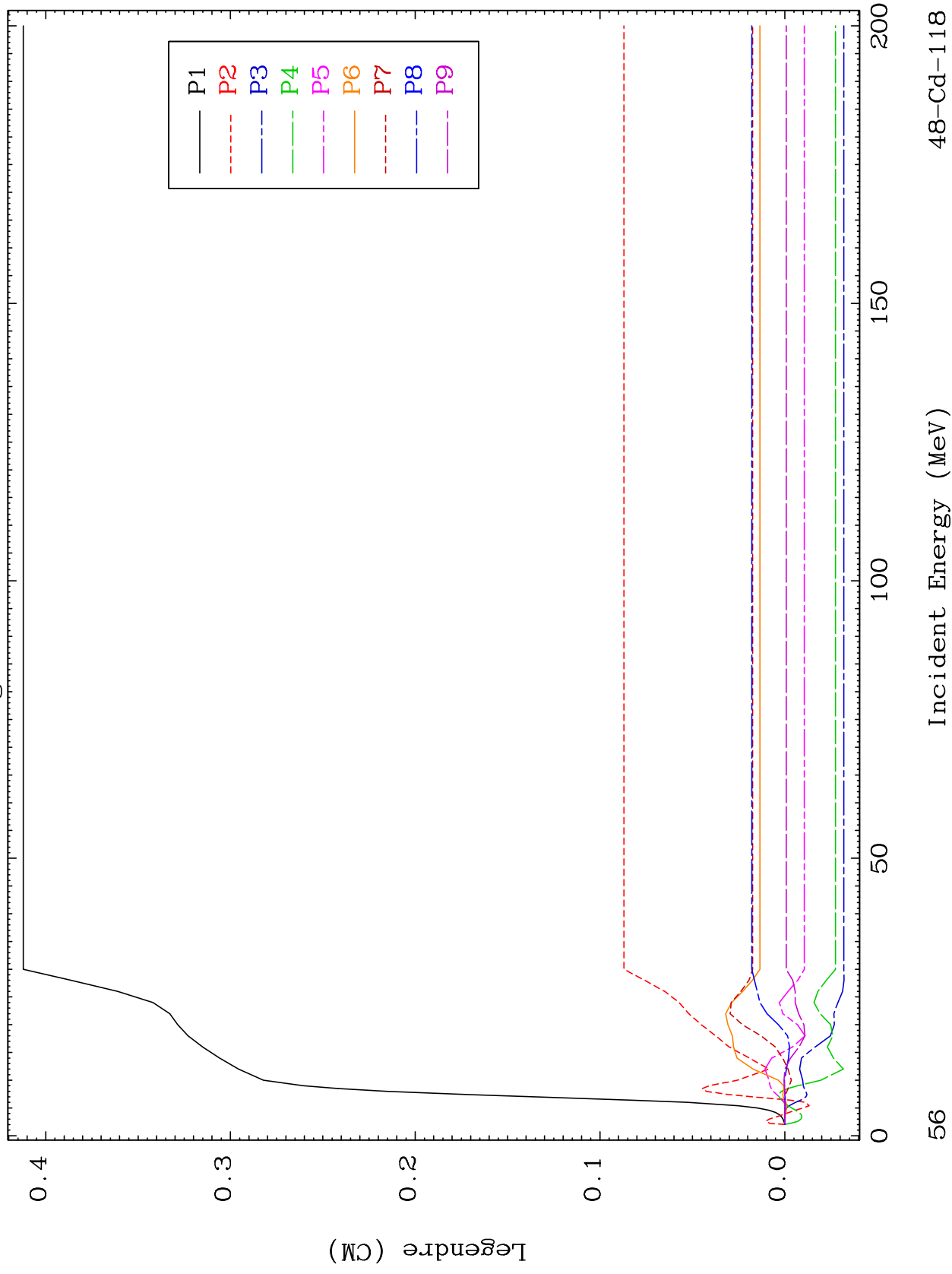
48-Cd-118



MAT 4861

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

48-Cd-118



48-Cd-118

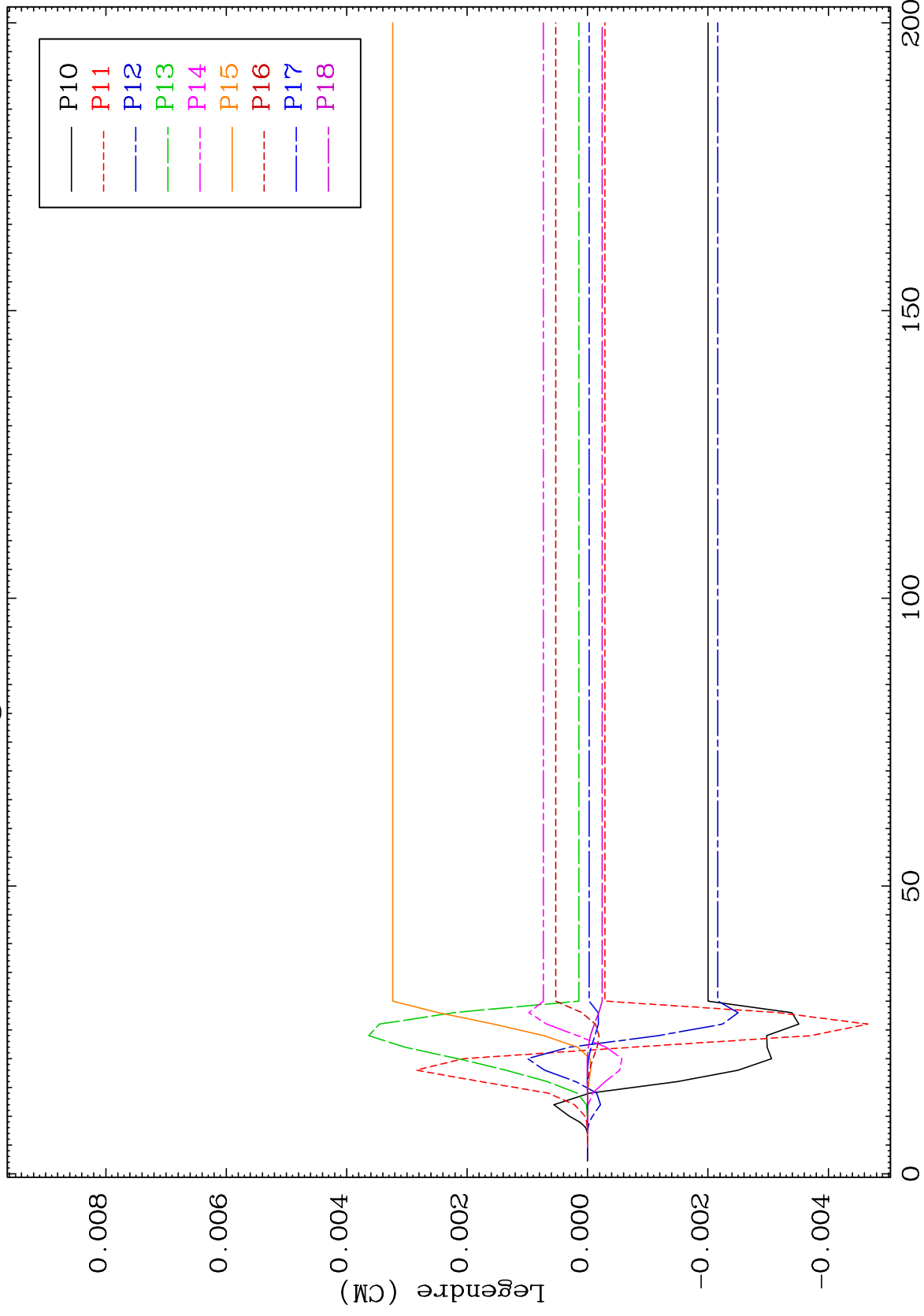
Incident Energy (MeV)

56

MAT 4861

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

48-Cd-118



57

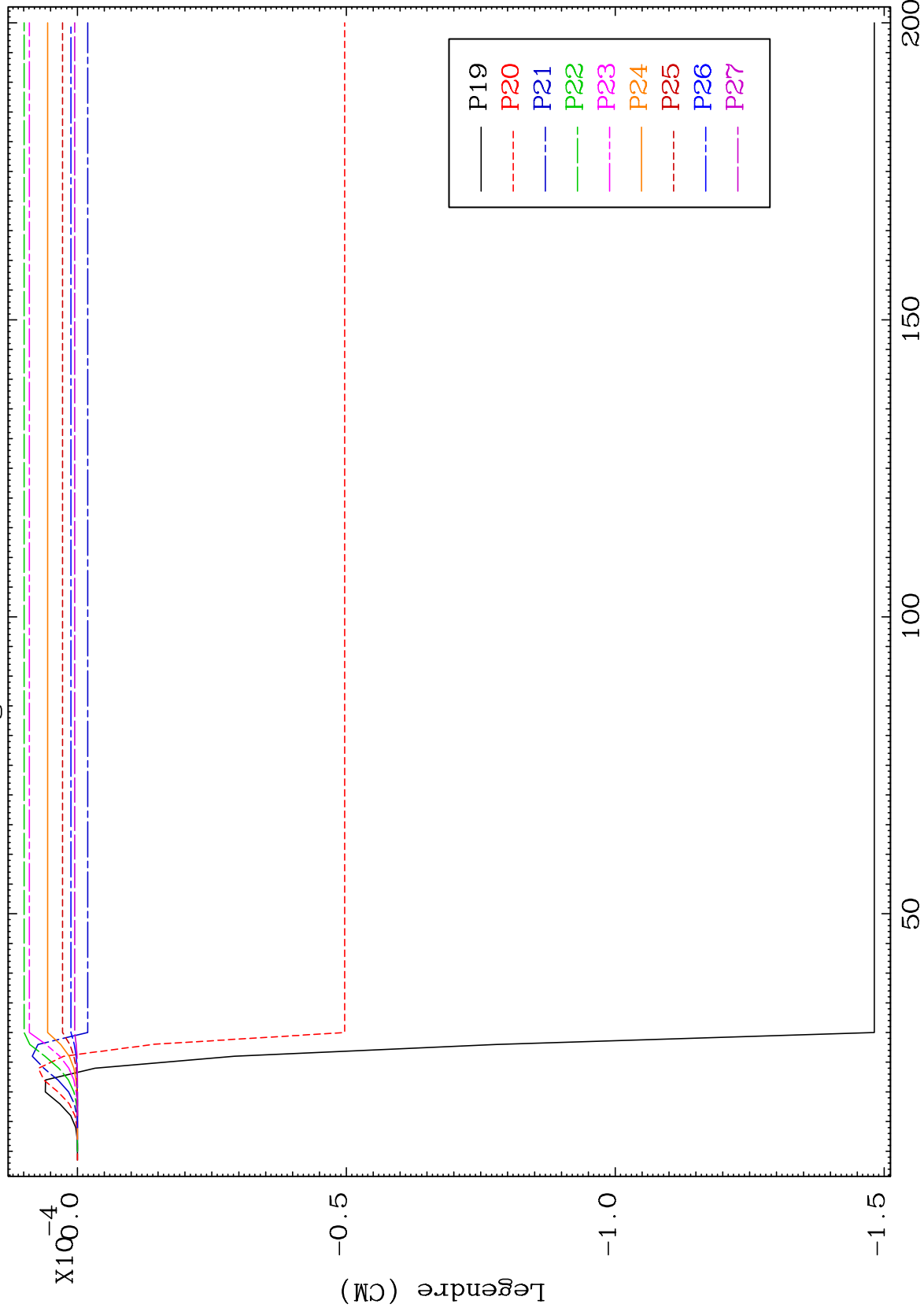
Incident Energy (MeV)

48-Cd-118

MAT 4861

48-Cd-118

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



58

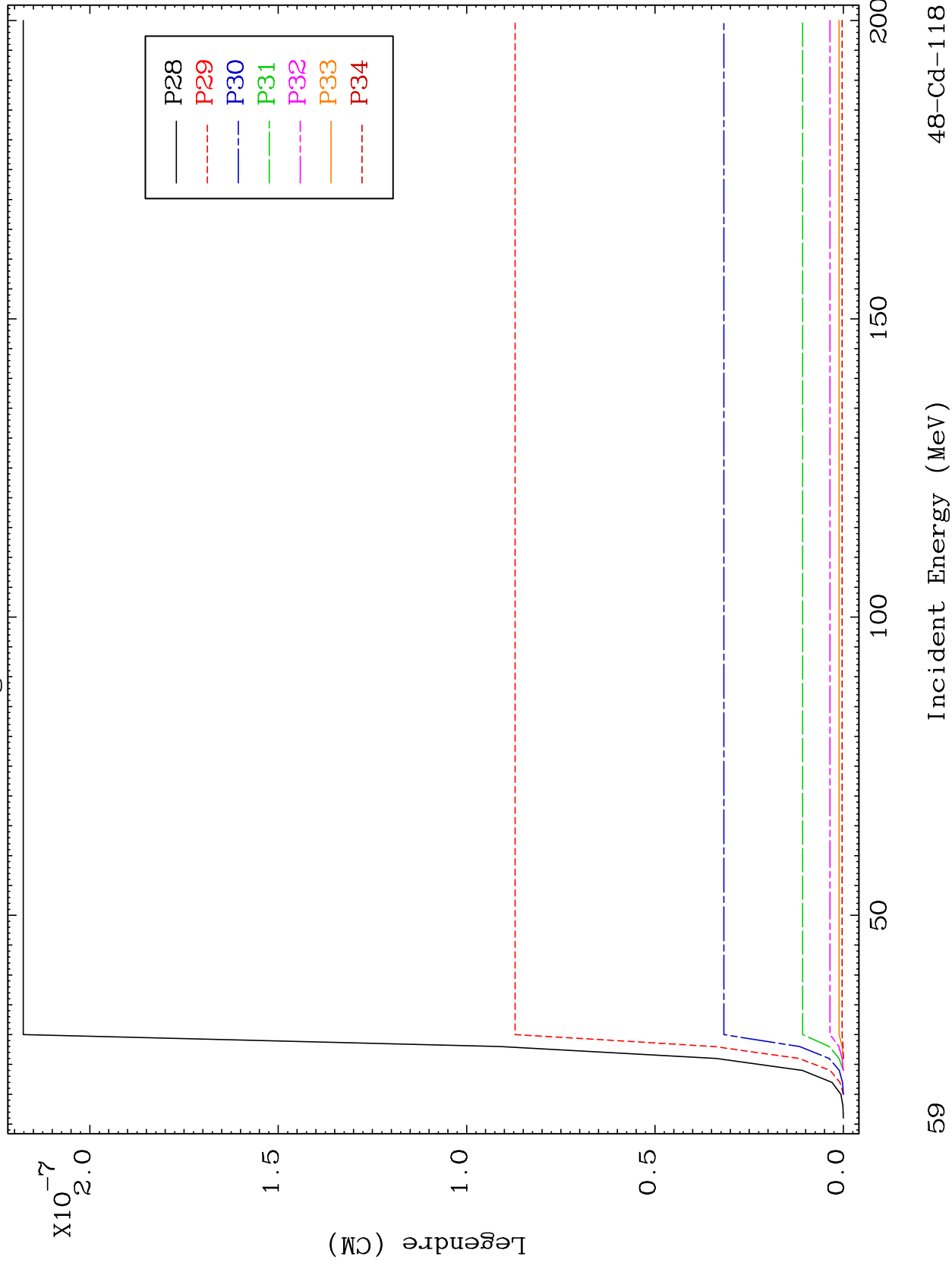
Incident Energy (MeV)

48-Cd-118

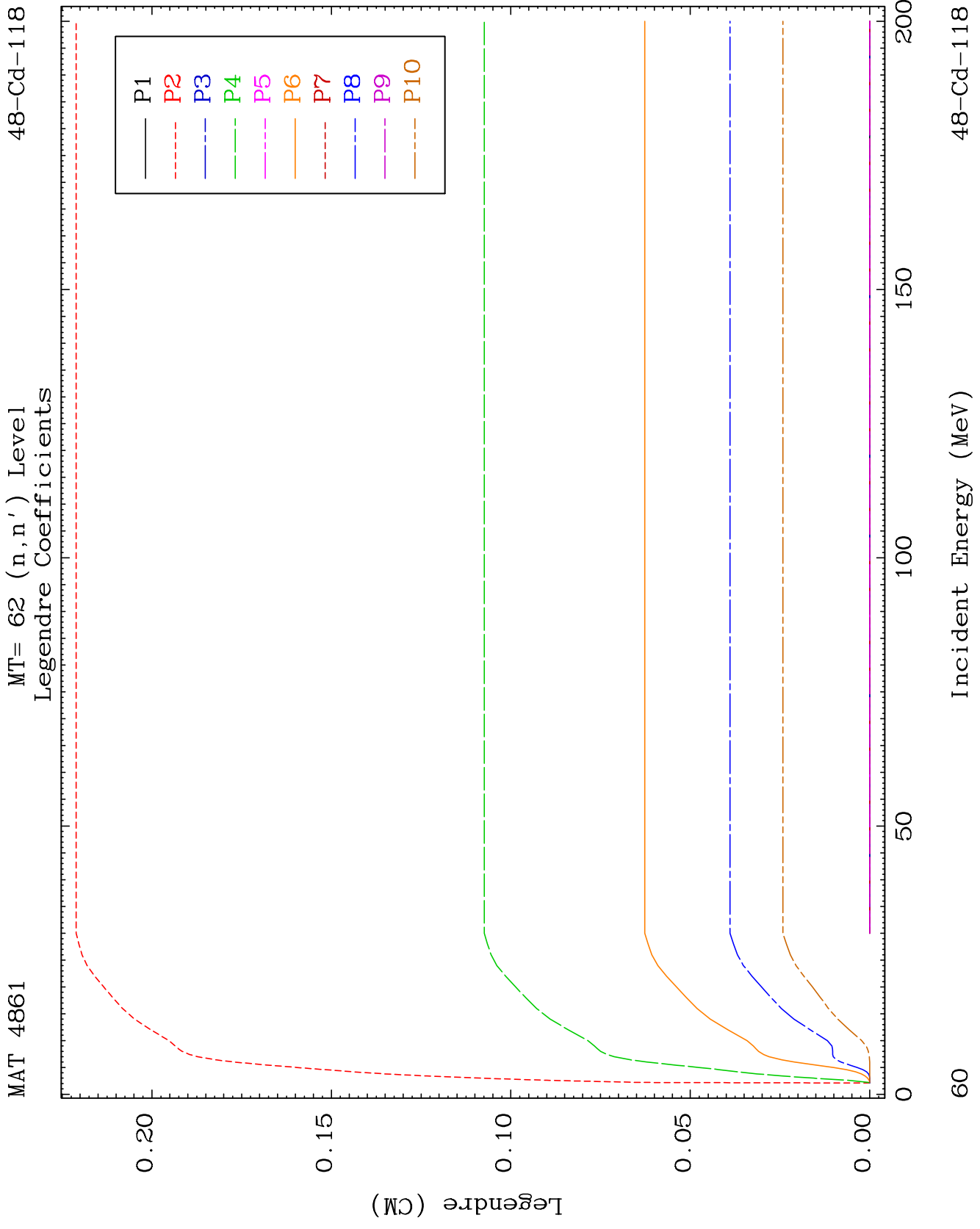
MAT 4861

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

48-Cd-118



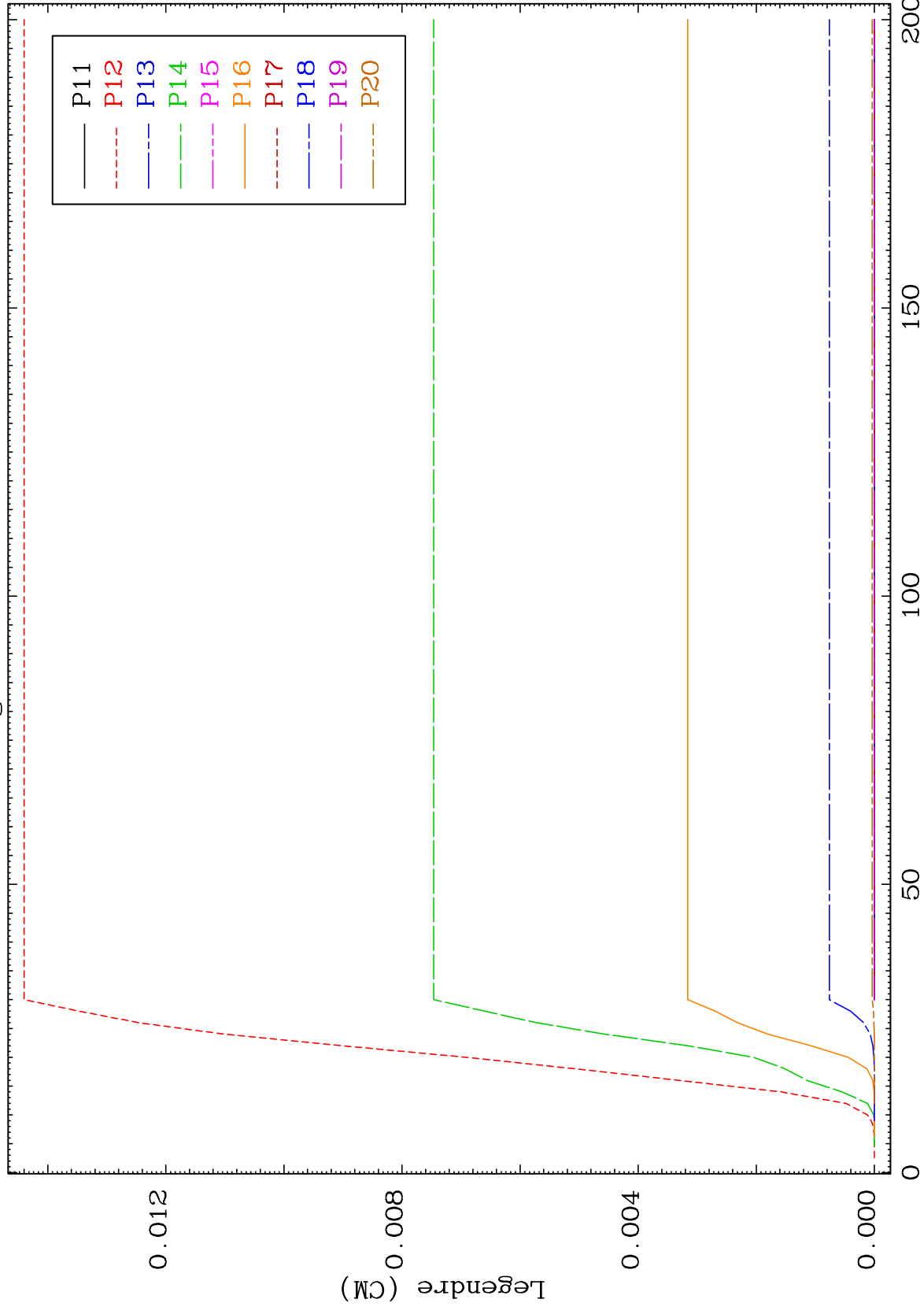
59



MAT 4861

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

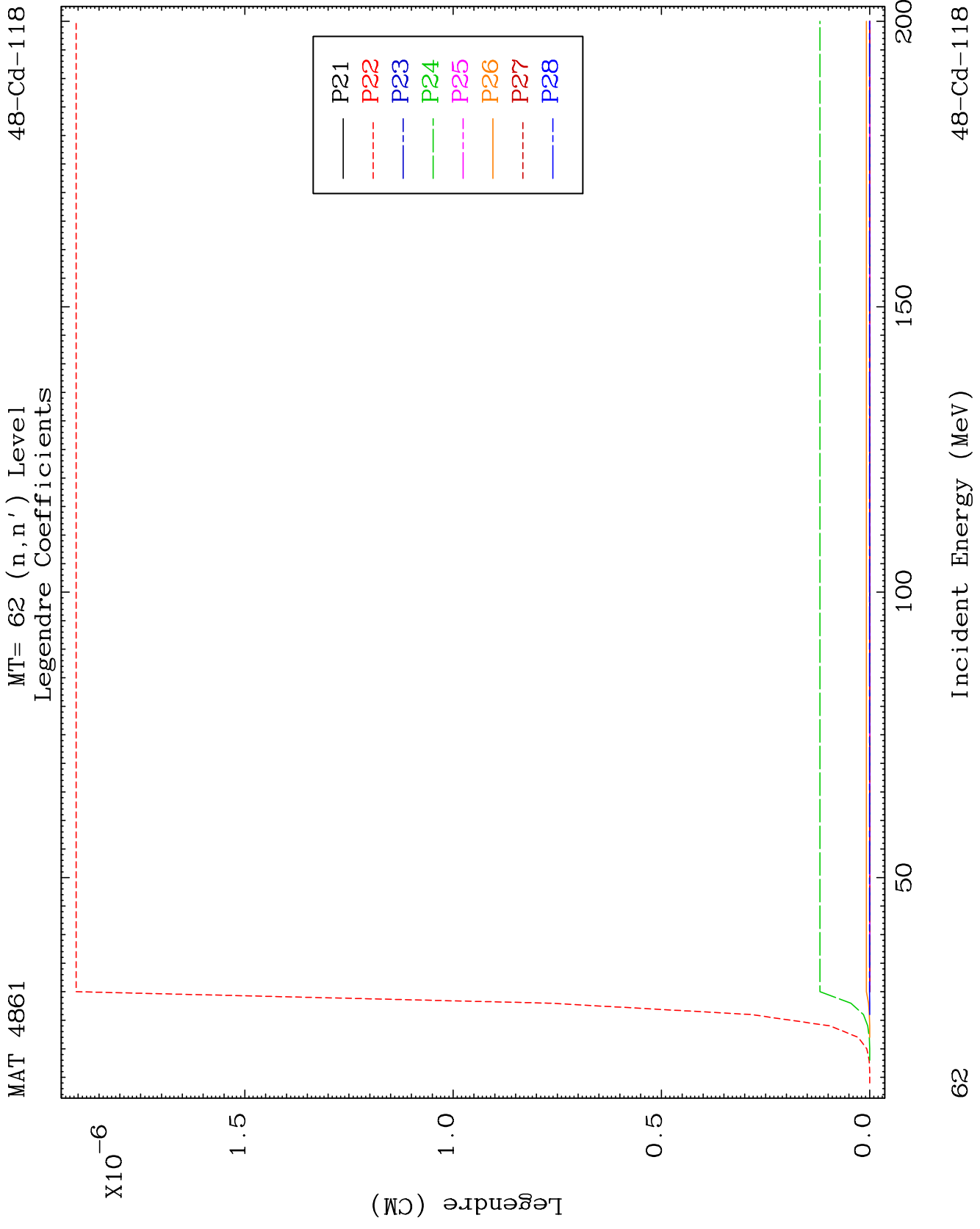
48-Cd-118

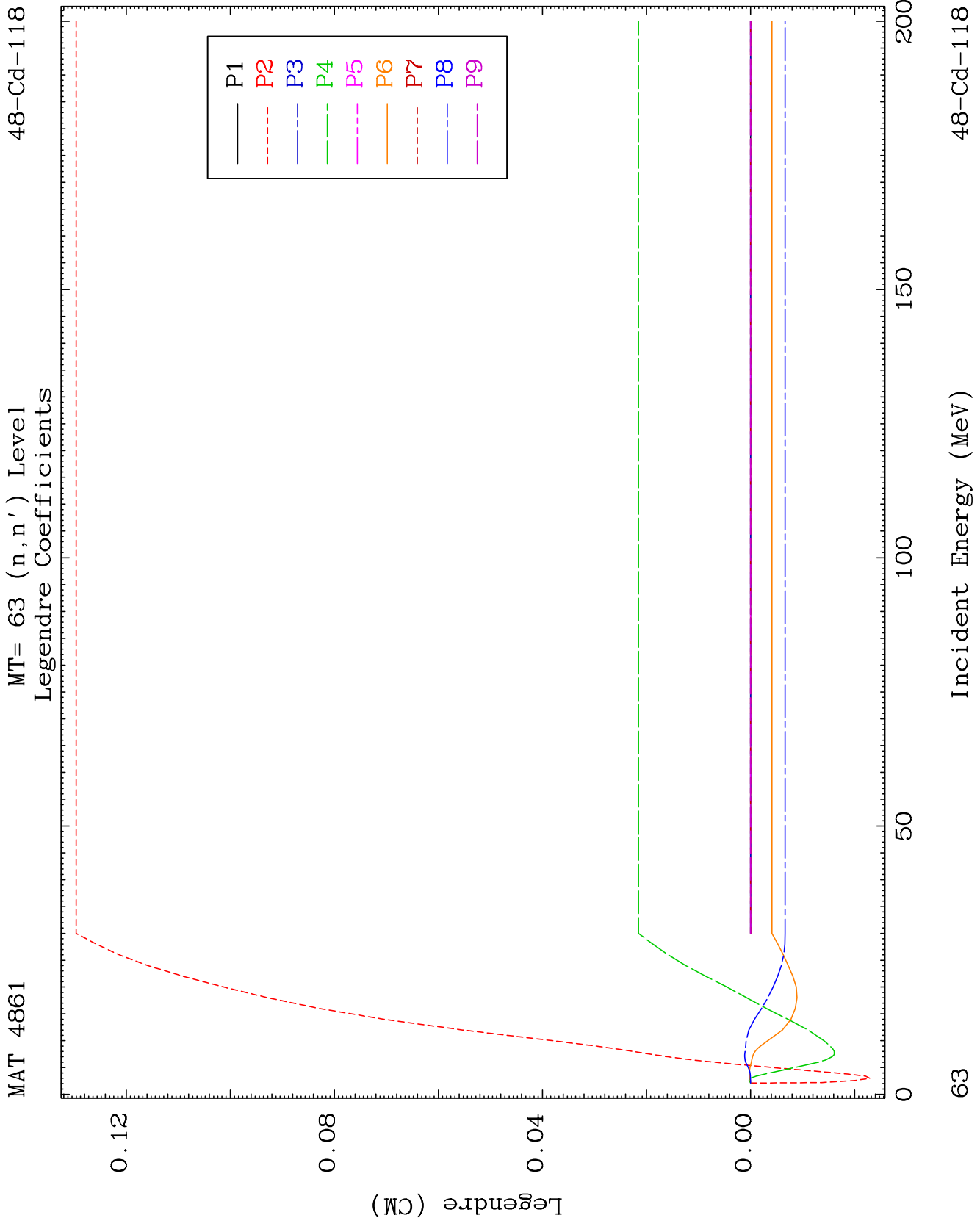


61

Incident Energy (MeV)

48-Cd-118

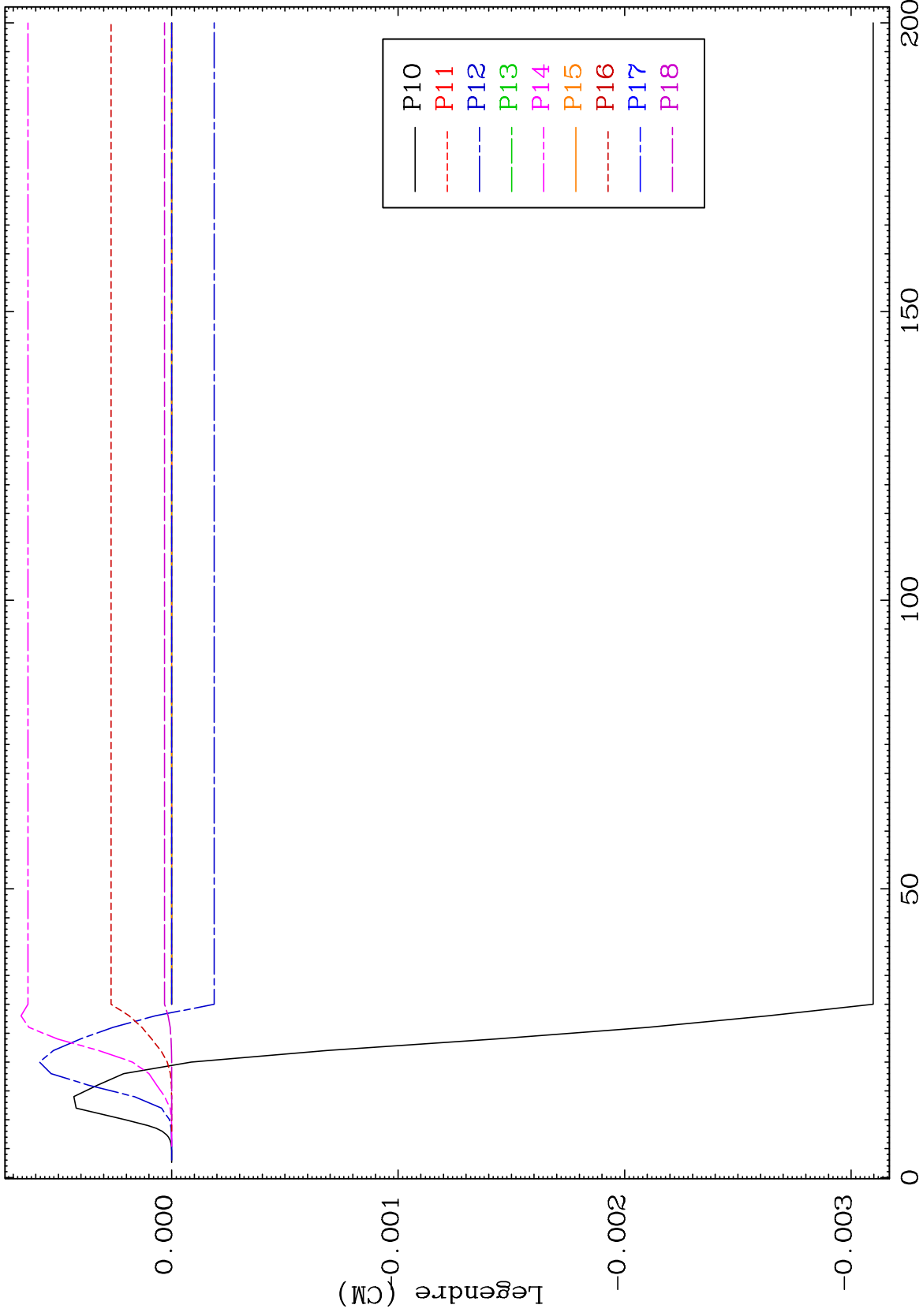




MAT 4861

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

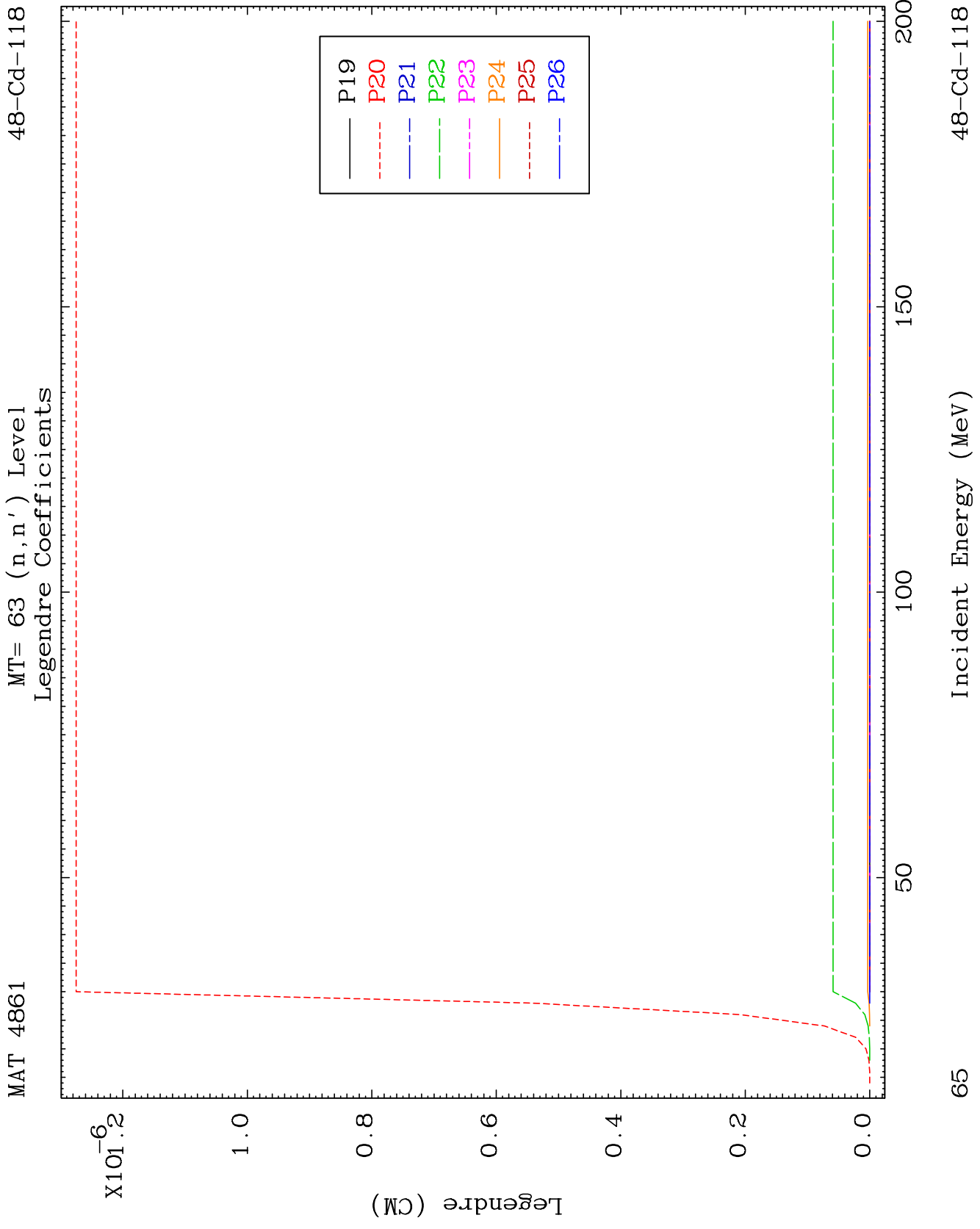
48-Cd-118



64

Incident Energy (MeV)

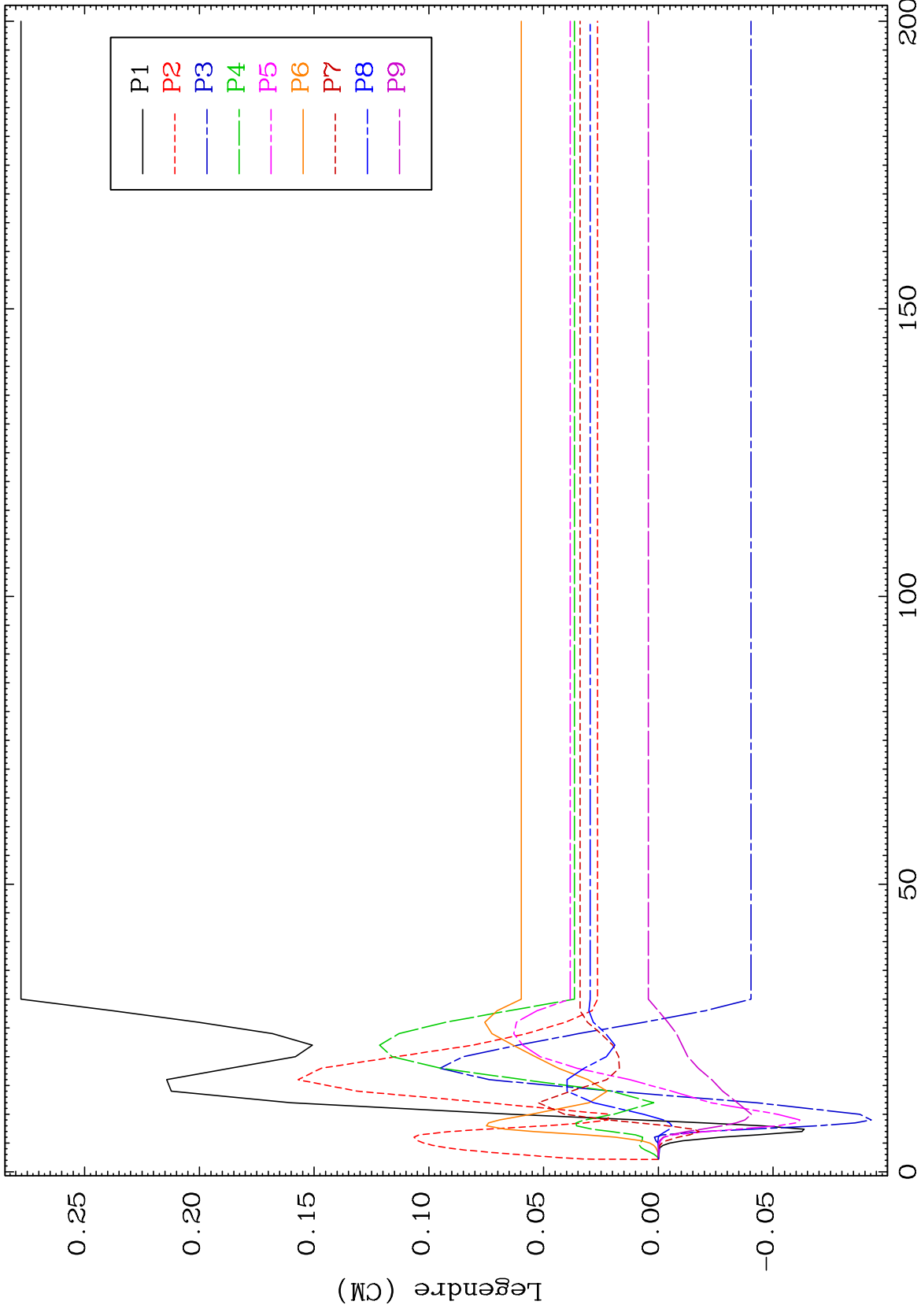
48-Cd-118



MAT 4861

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

48-Cd-118



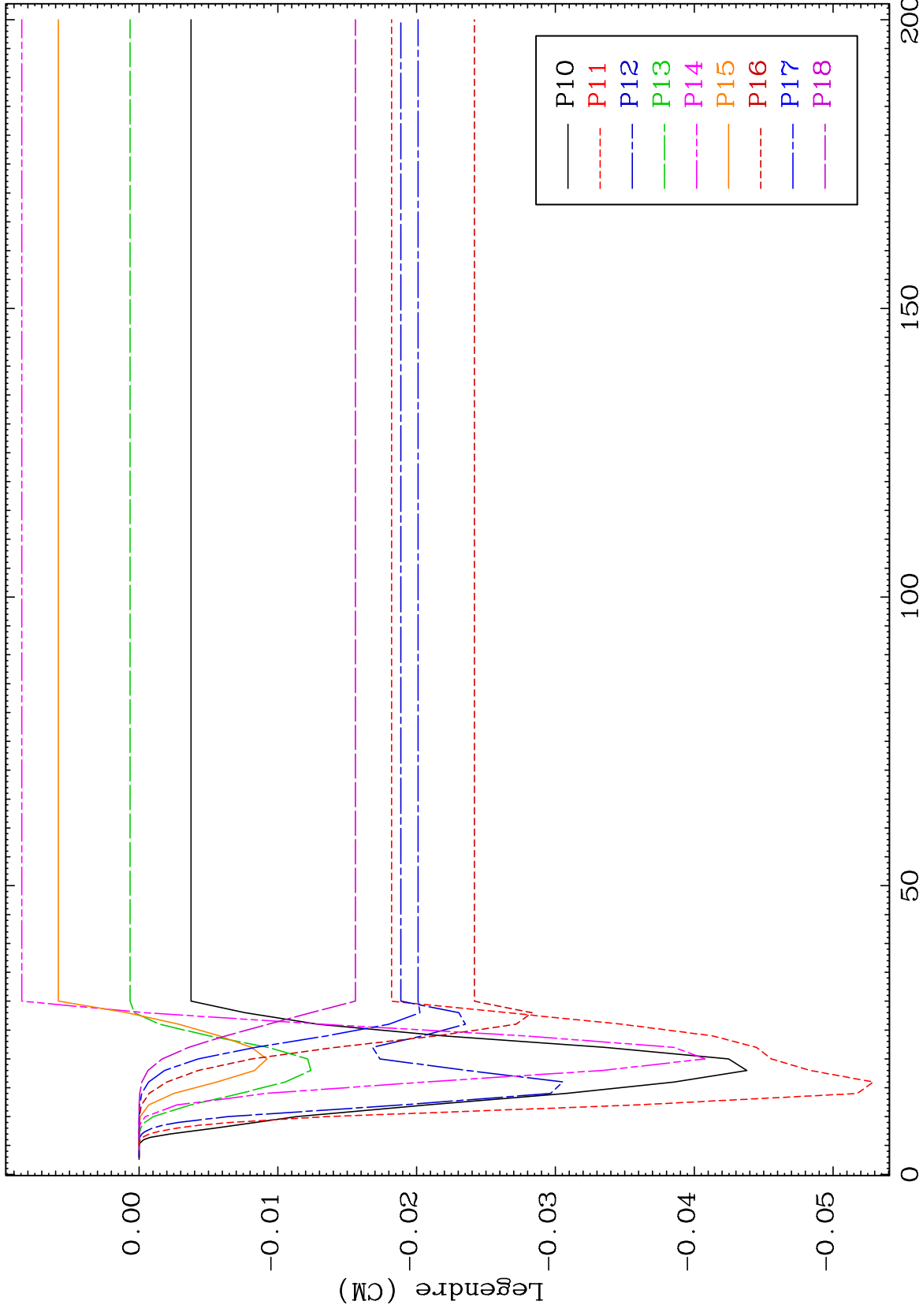
66

48-Cd-118

MAT 4861

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

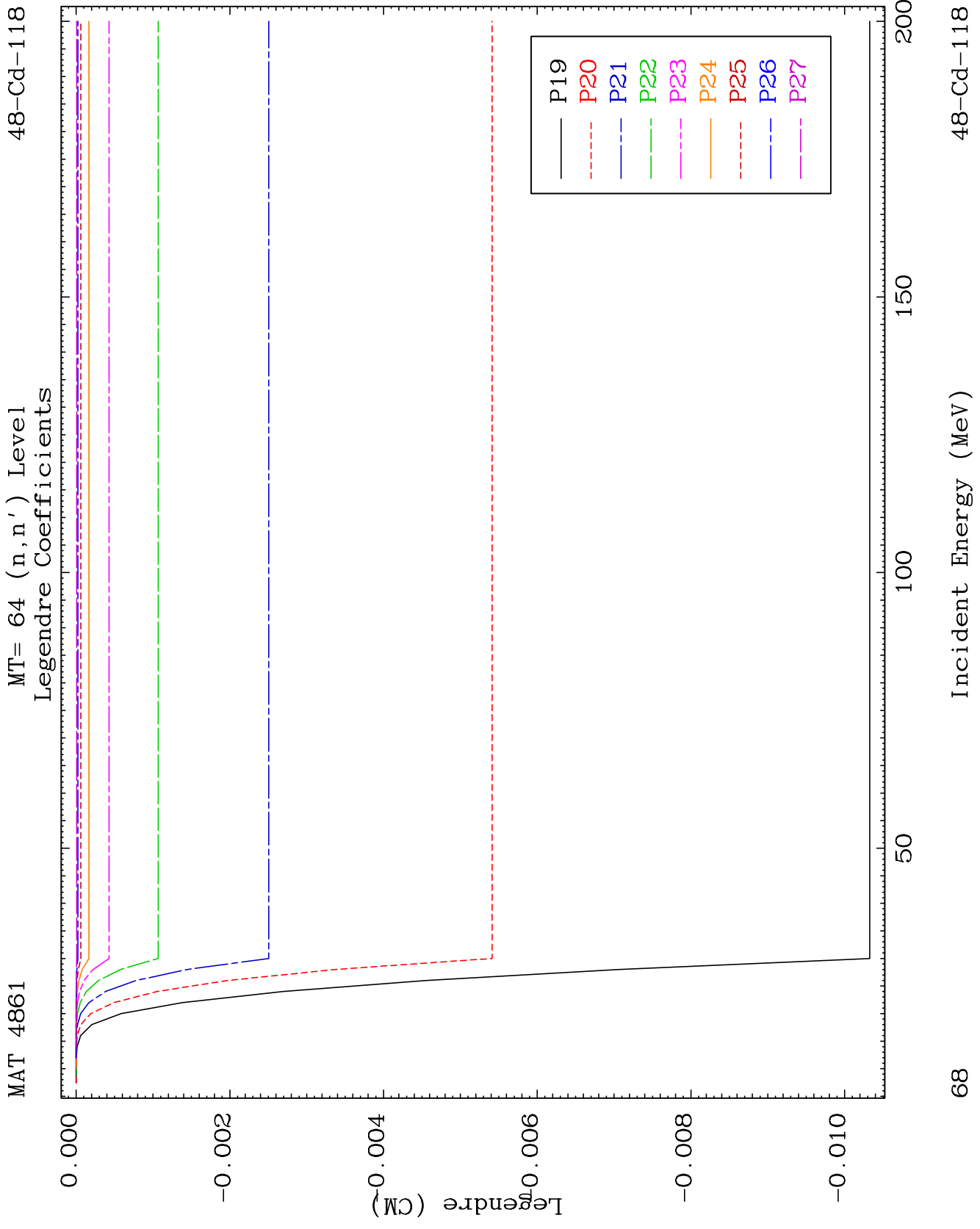
48-Cd-118

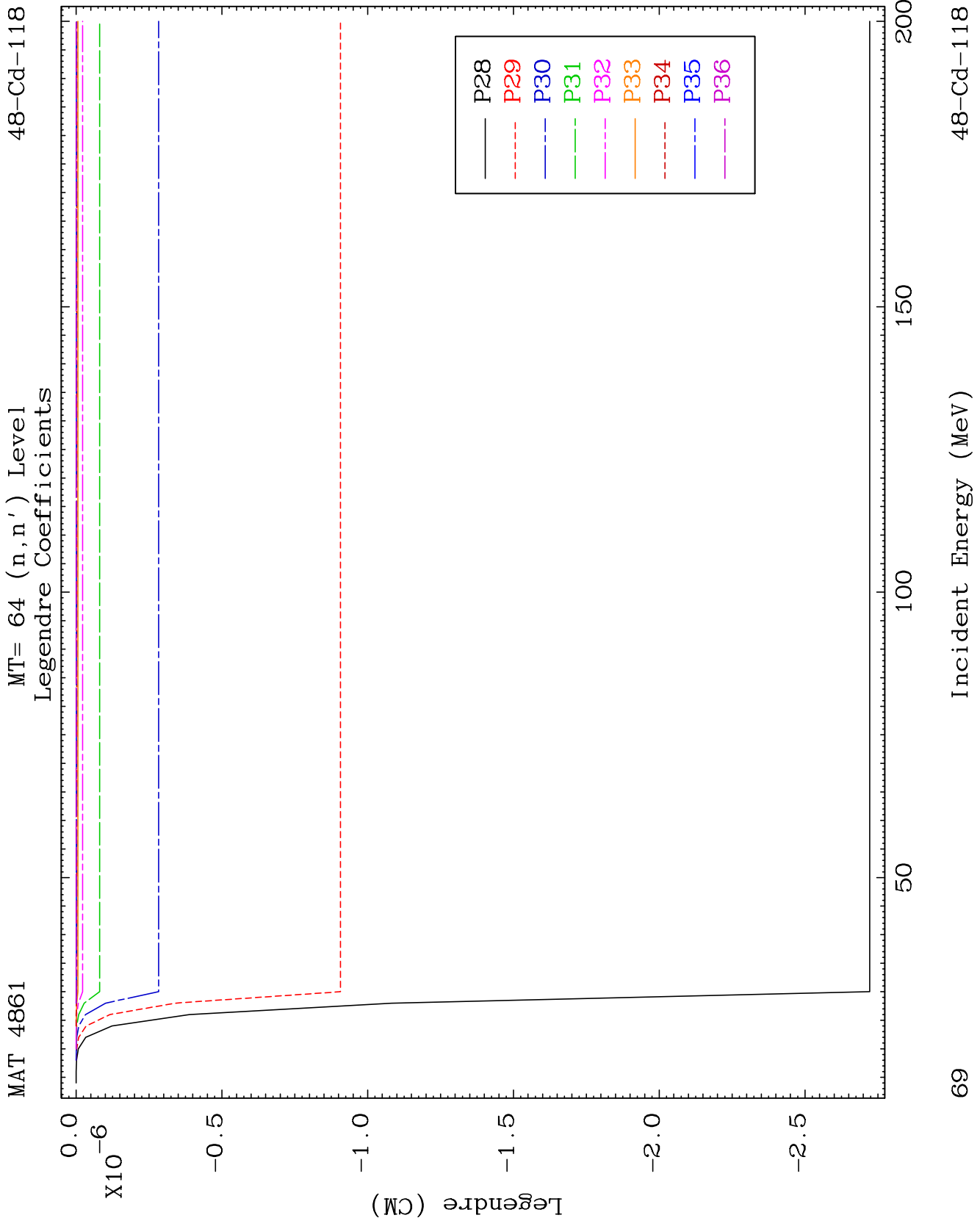


67

Incident Energy (MeV)

48-Cd-118

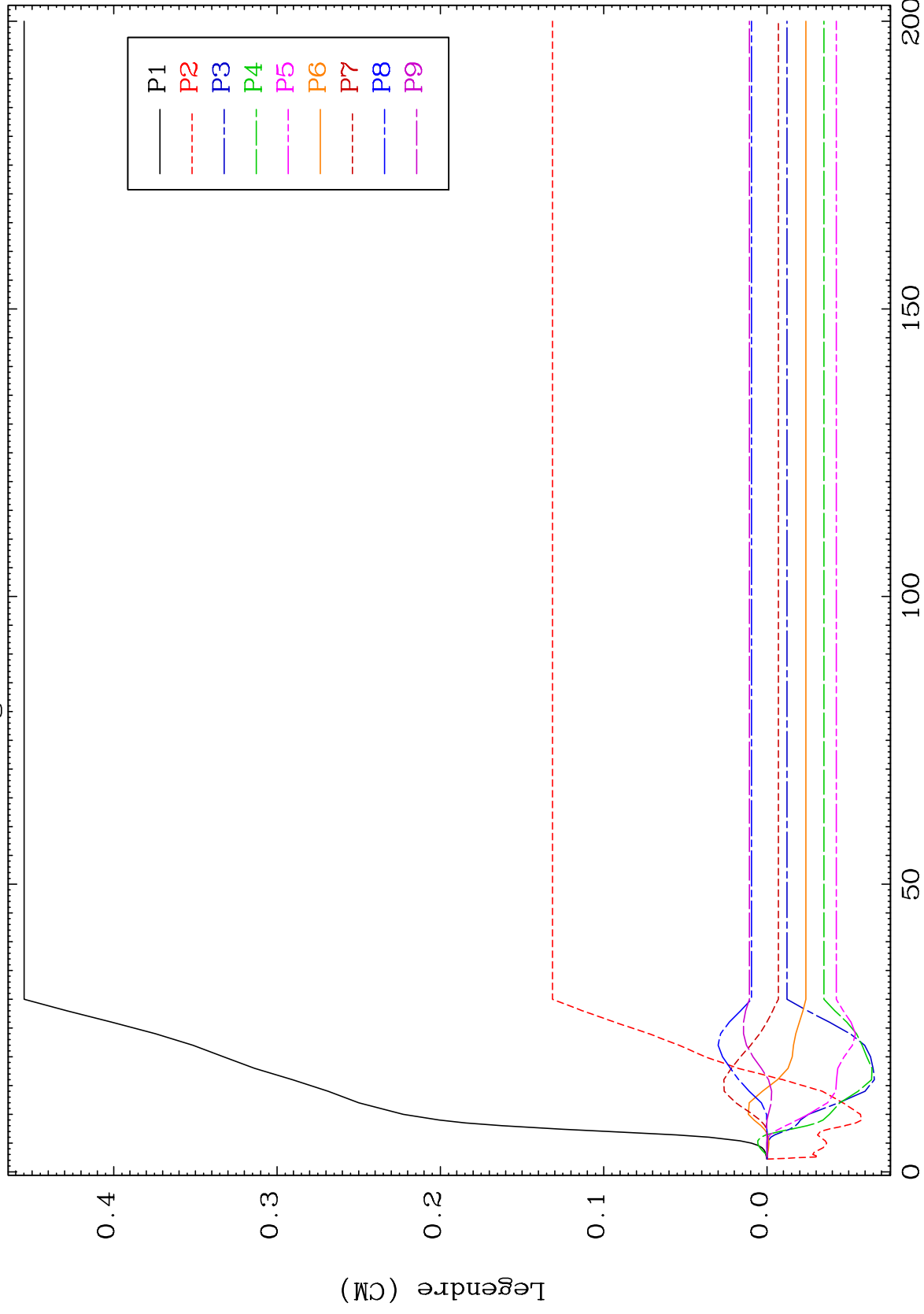




MAT 4861

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

48-Cd-118



48-Cd-118

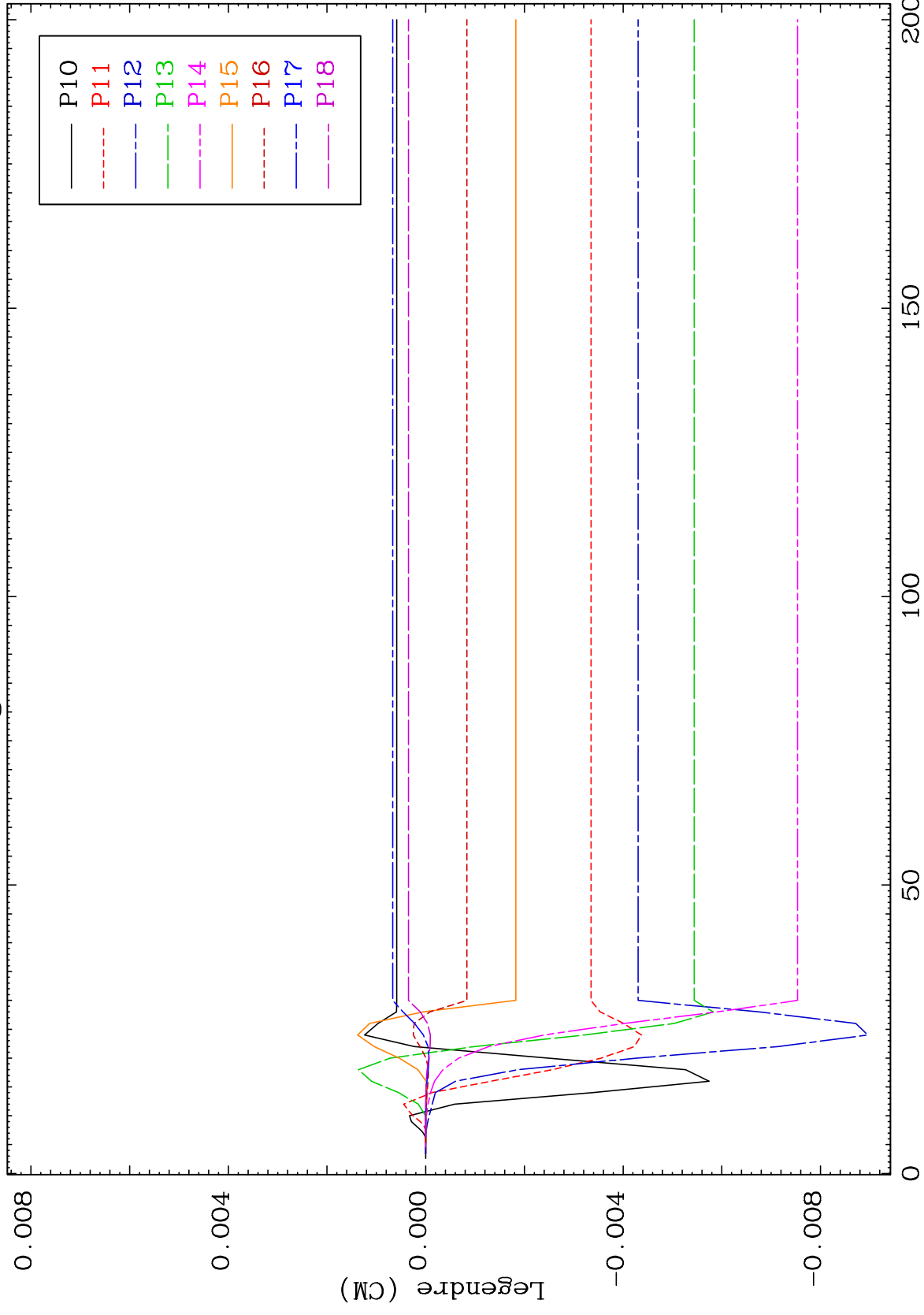
Incident Energy (MeV)

70

MAT 4861

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

48-Cd-118



71

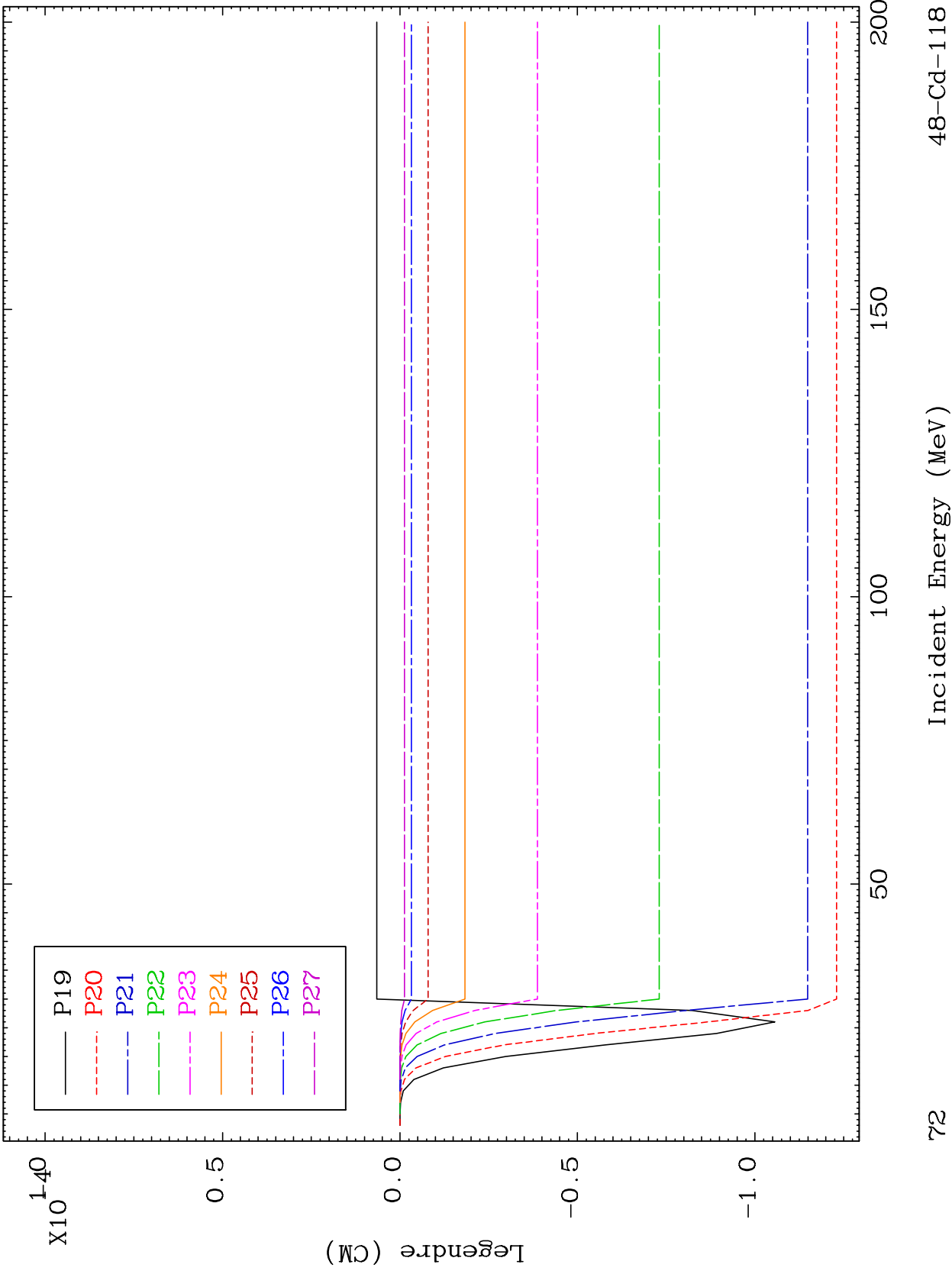
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



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Incident Energy (MeV)

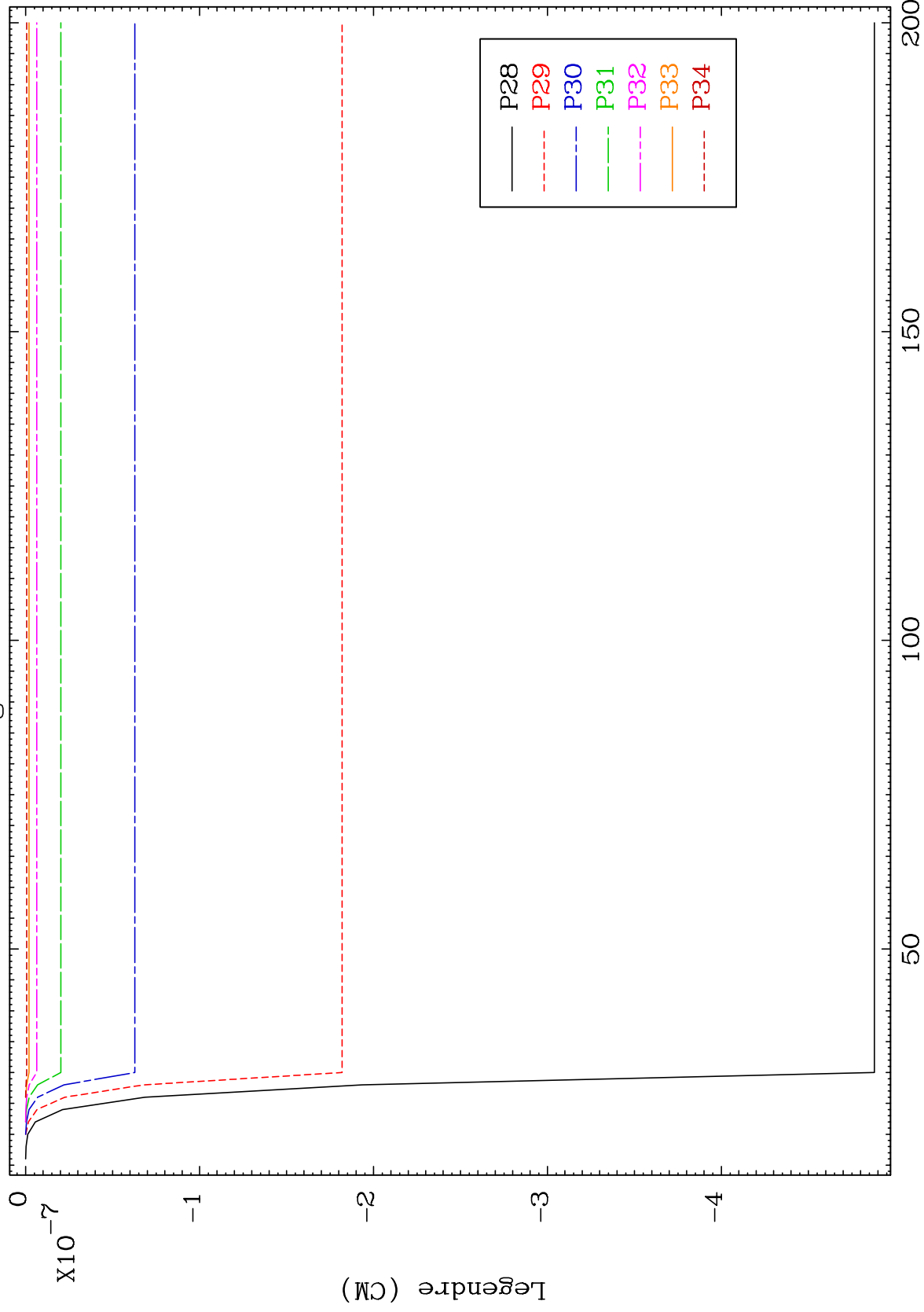
48-Cd-118

MAT 4861

MT= 65 (n,n') Level

48-Cd-118

Legendre Coefficients



73

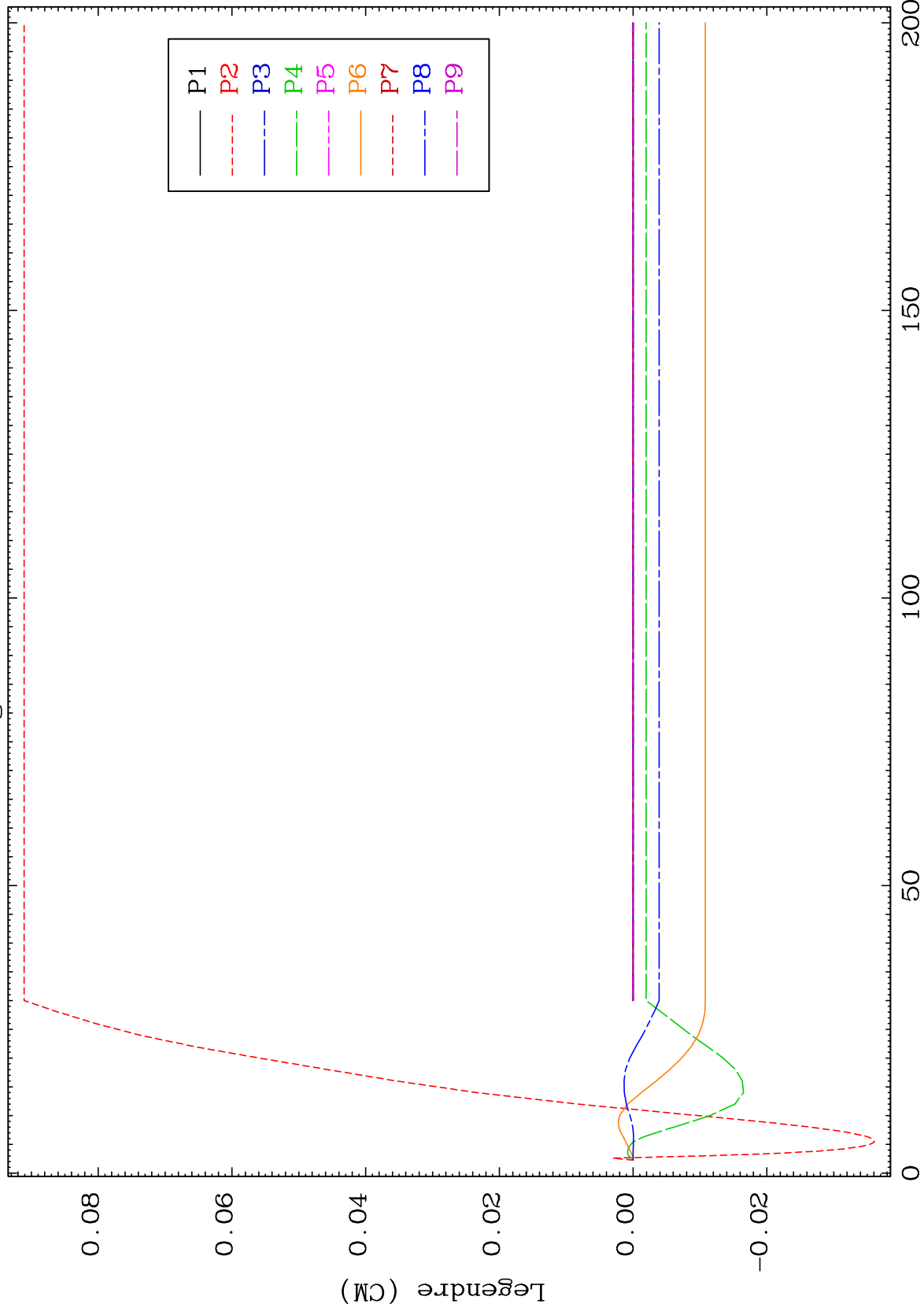
Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118



74

Incident Energy (MeV)

48-Cd-118

MAT 4861

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

48-Cd-118

$\times 10^{-3}$
2.0

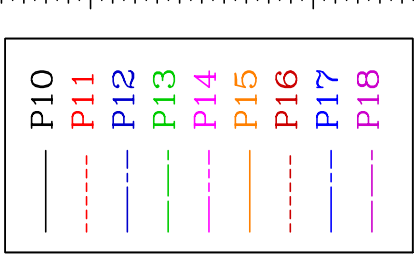
1.5

1.0

0.5

0.0

Legendre (CM)



50

100

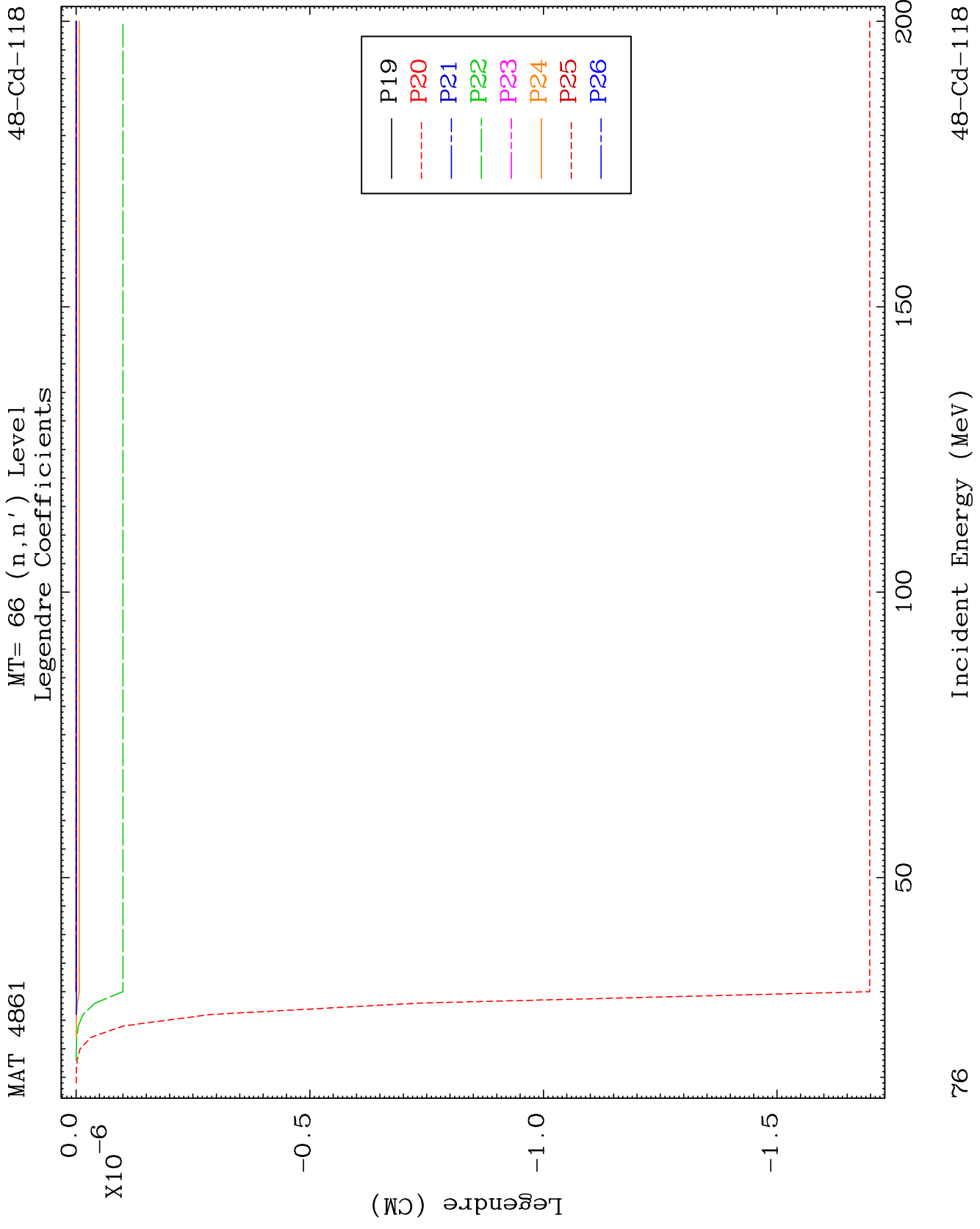
150

200

75

Incident Energy (MeV)

48-Cd-118

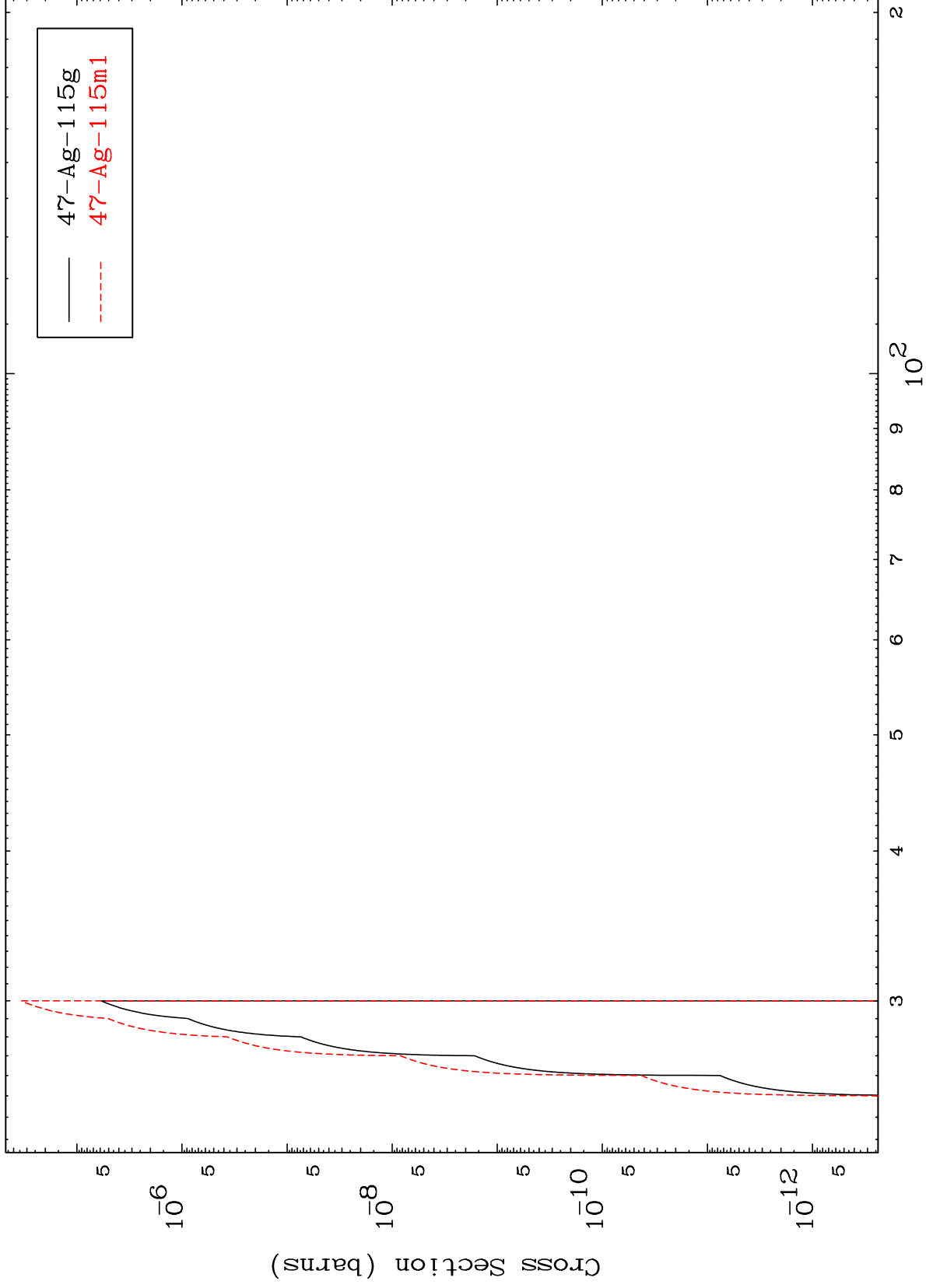


MAT 4861

(n,2n) d

48-Cd-118

Radionuclide Production Cross Section



77

Incident Energy (MeV)

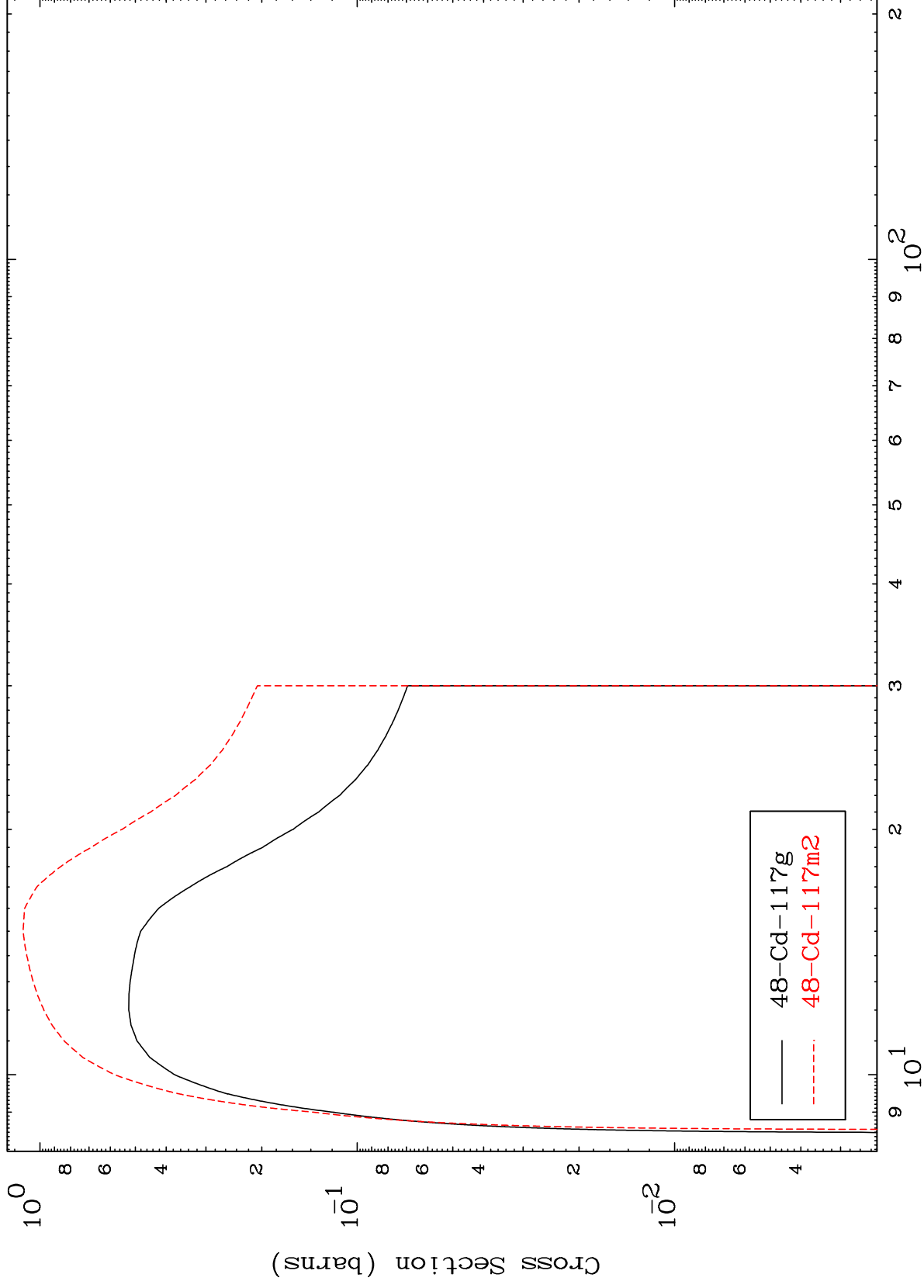
48-Cd-118

MAT 4861

(n,2n)

48-Cd-118

Radionuclide Production Cross Section



78

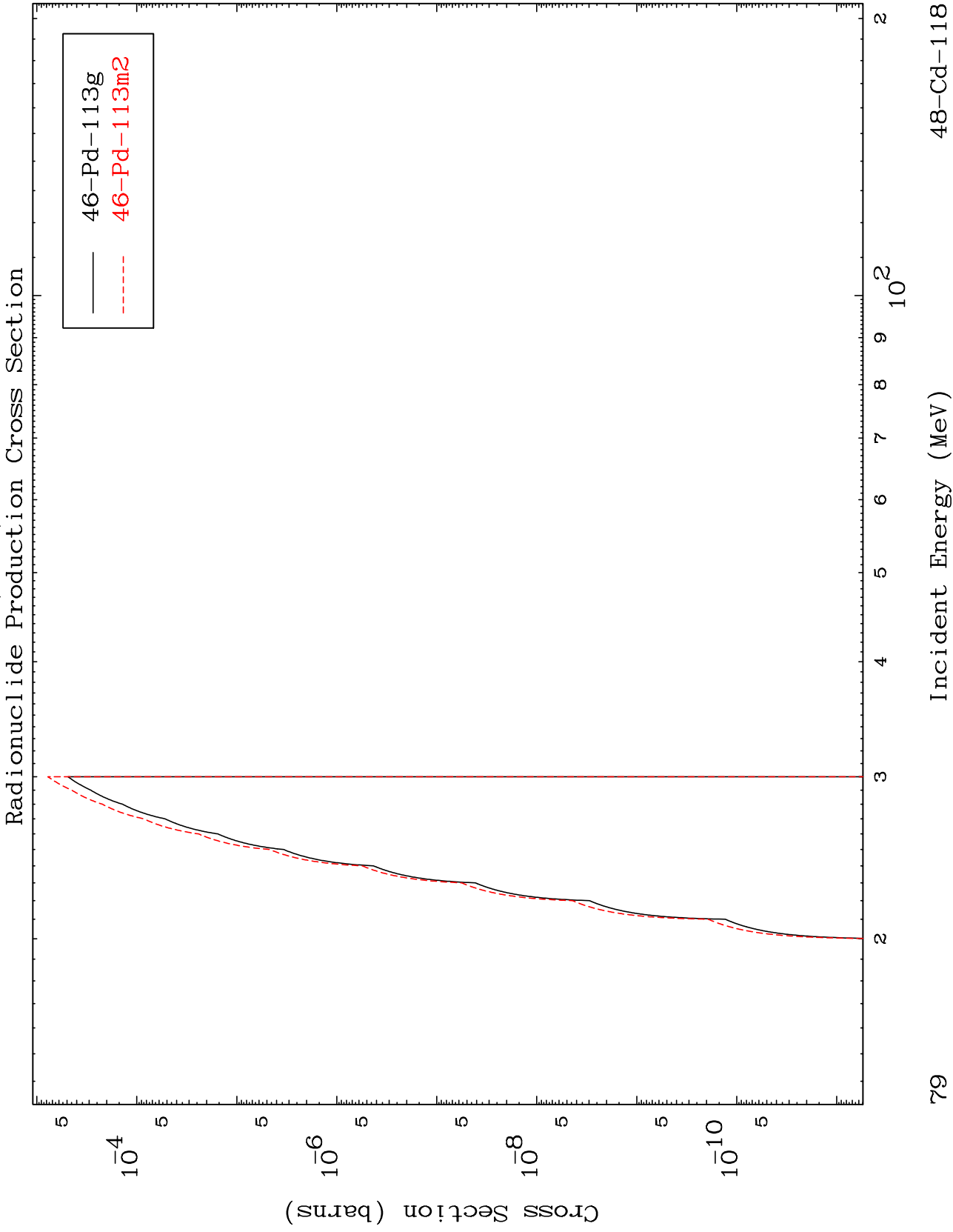
Incident Energy (MeV)

48-Cd-118

MAT 4861

(n,2n) α

48-Cd-118



79

Incident Energy (MeV)

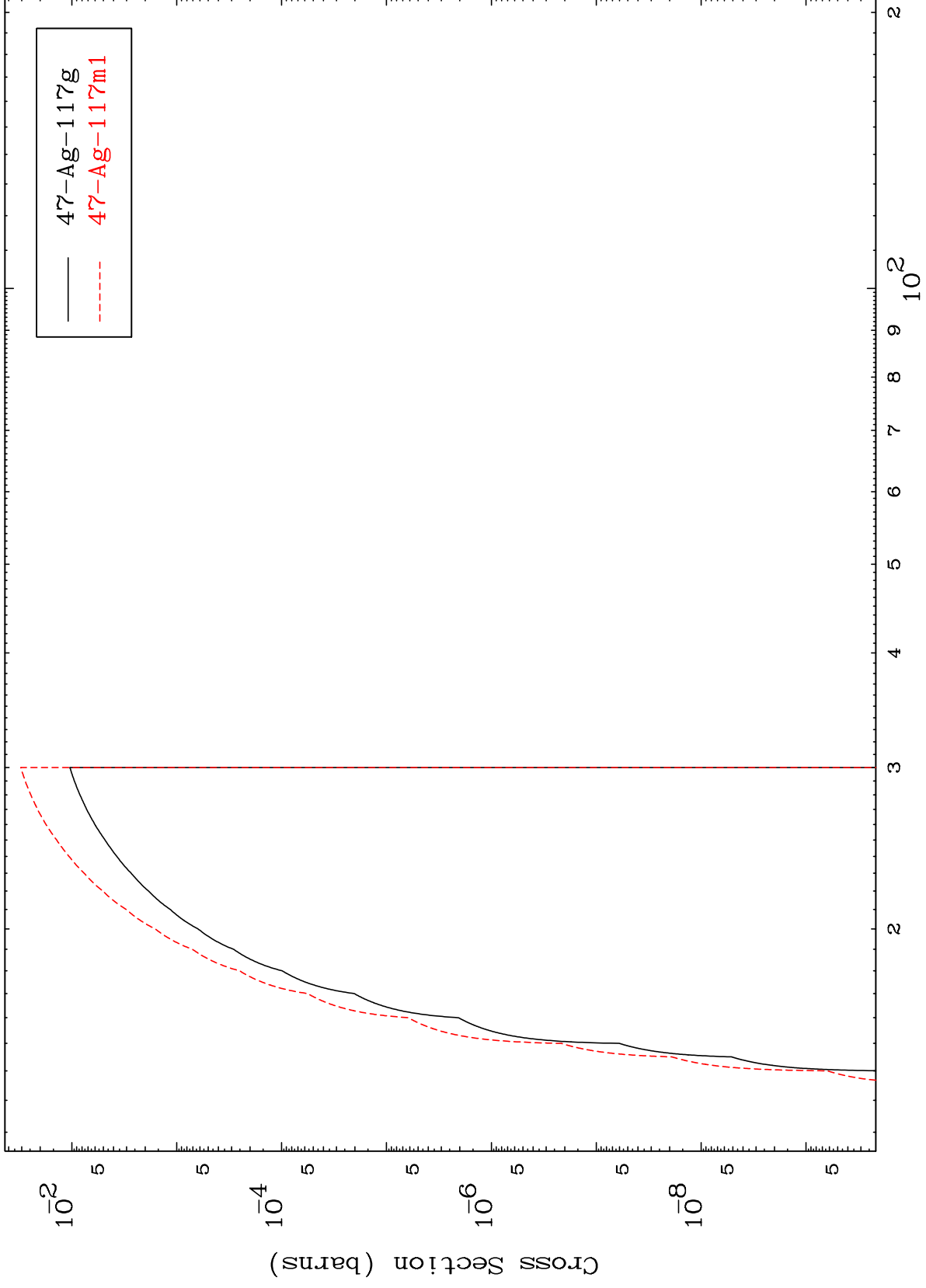
48-Cd-118

MAT 4861

(n,n') p

48-Cd-118

Radionuclide Production Cross Section

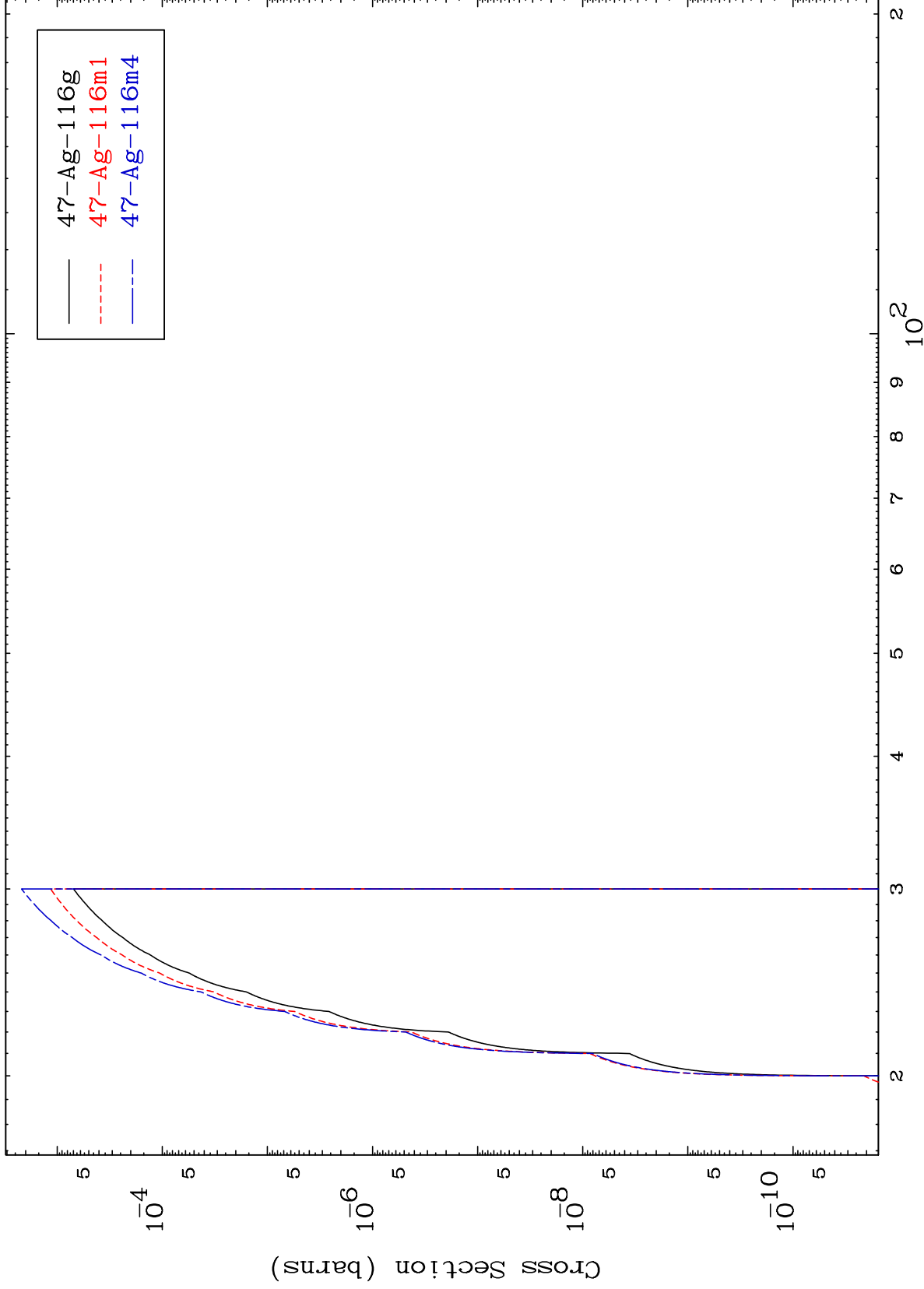


80

Incident Energy (MeV)

48-Cd-118

Radionuclide Production Cross Section

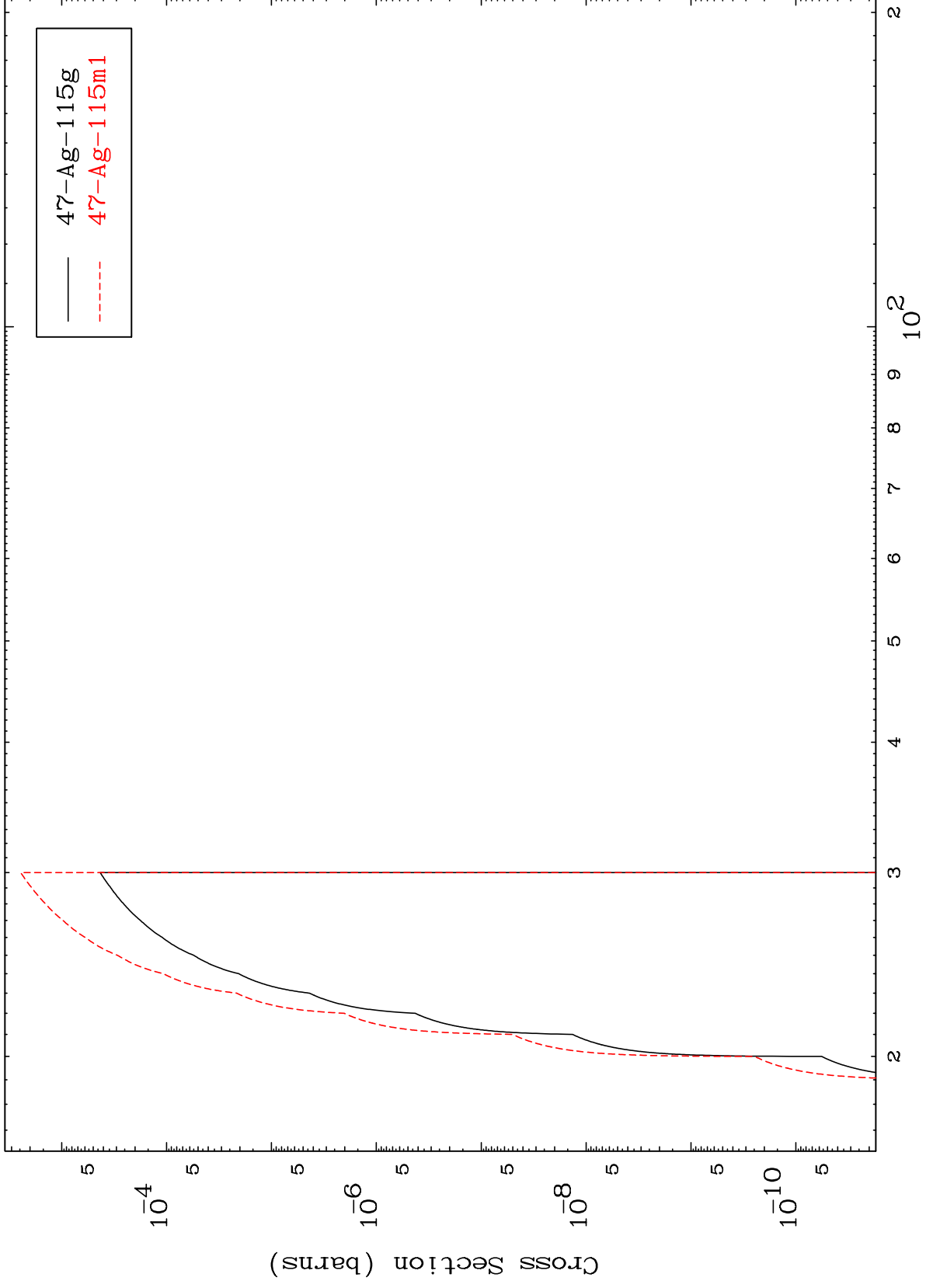


MAT 4861

(n,n') t

48-Cd-118

Radionuclide Production Cross Section



82

Incident Energy (MeV)

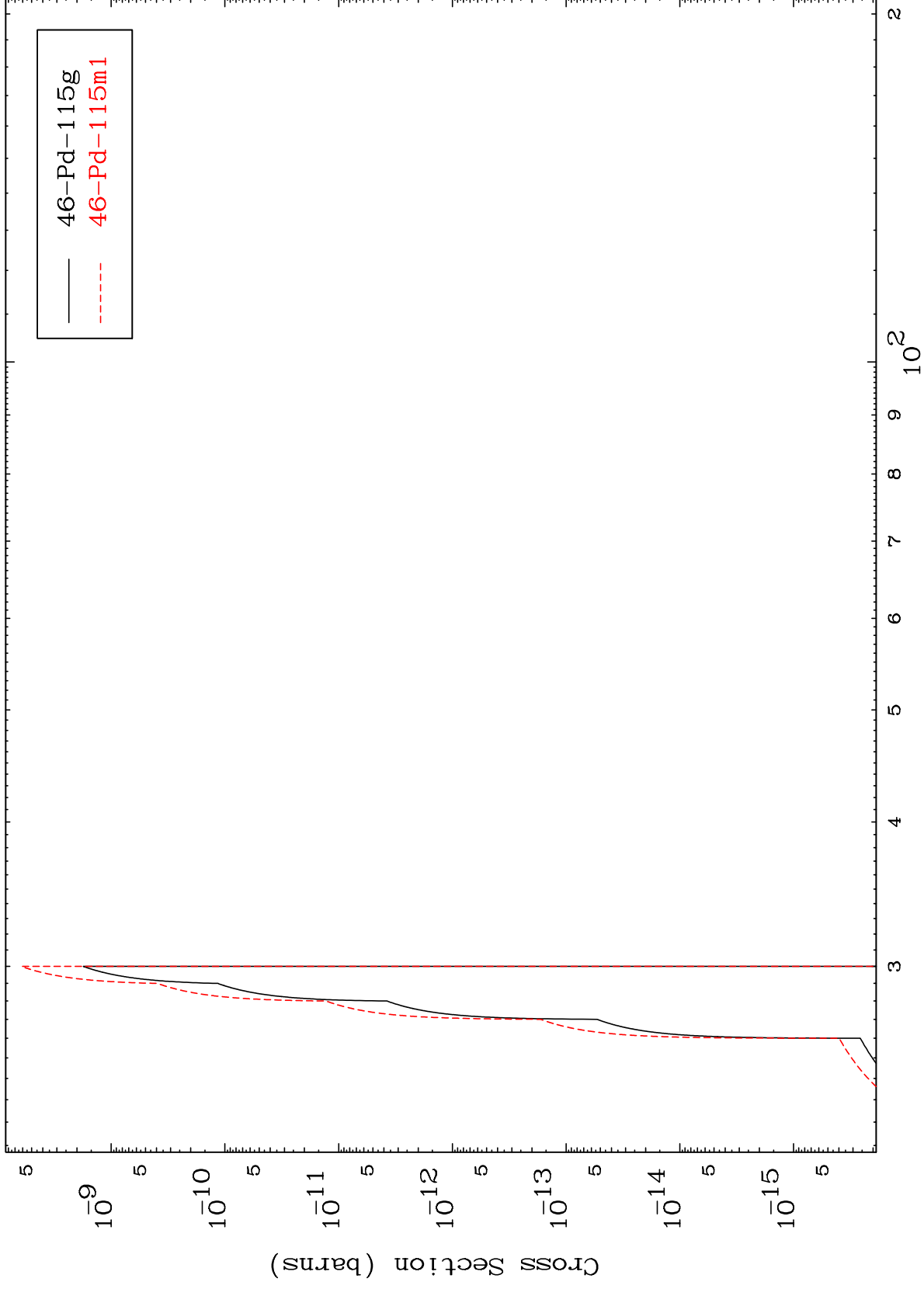
48-Cd-118

MAT 4861

(n,n') He-3

48-Cd-118

Radionuclide Production Cross Section



83

Incident Energy (MeV)

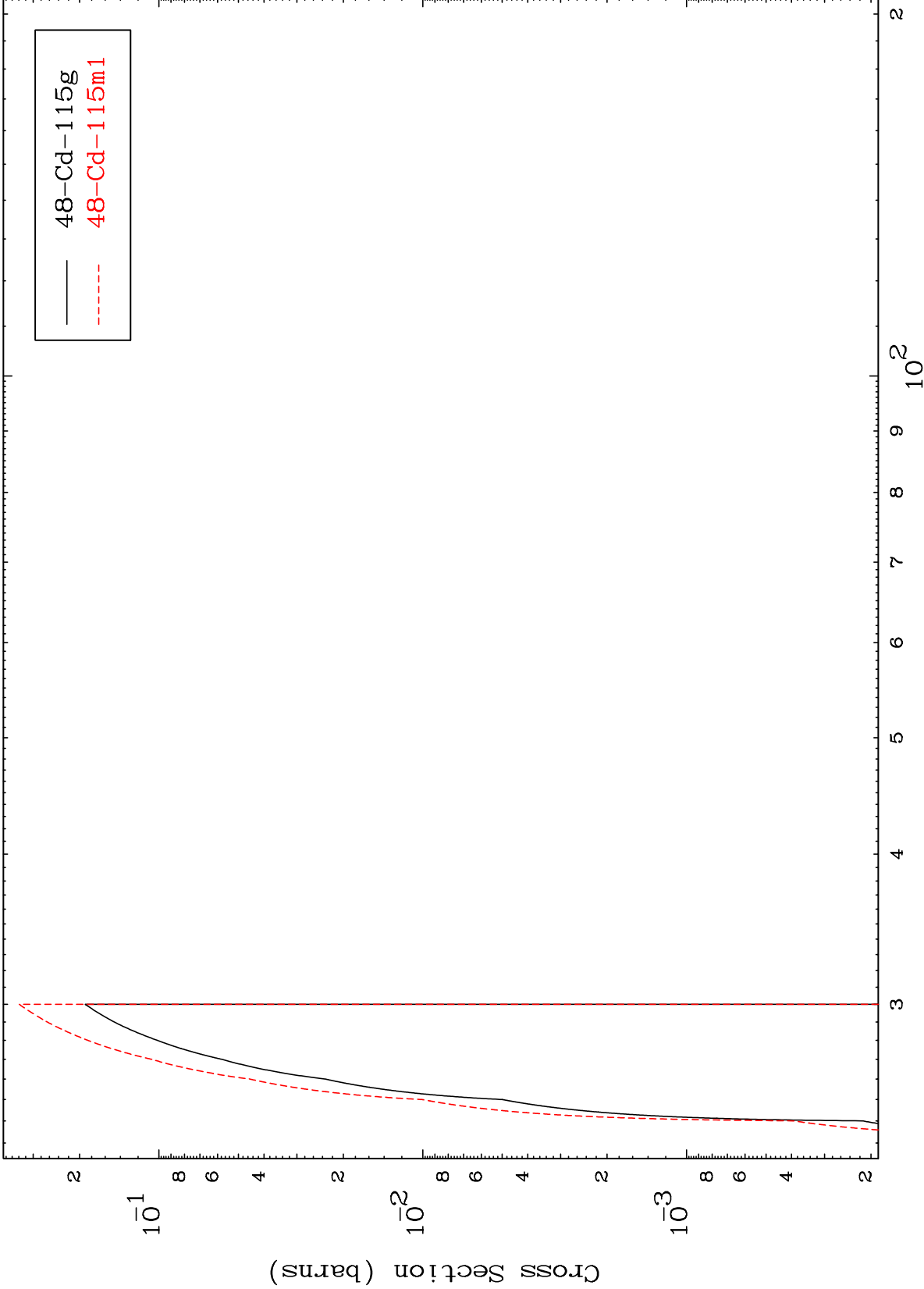
48-Cd-118

MAT 4861

(n,4n)

48-Cd-118

Radionuclide Production Cross Section



84

Incident Energy (MeV)

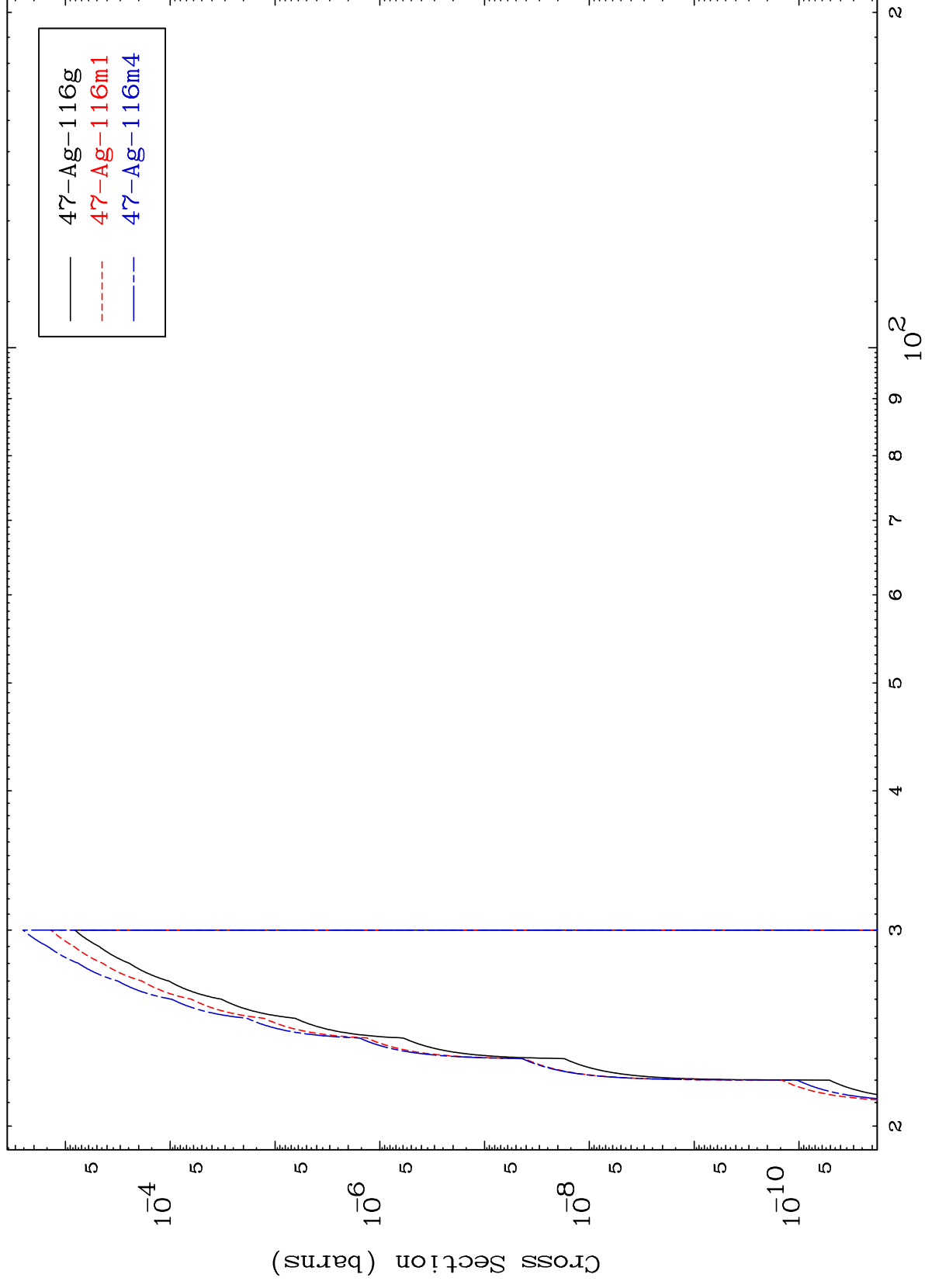
48-Cd-118

MAT 4861

(n,2n) p

48-Cd-118

Radionuclide Production Cross Section



85

Incident Energy (MeV)

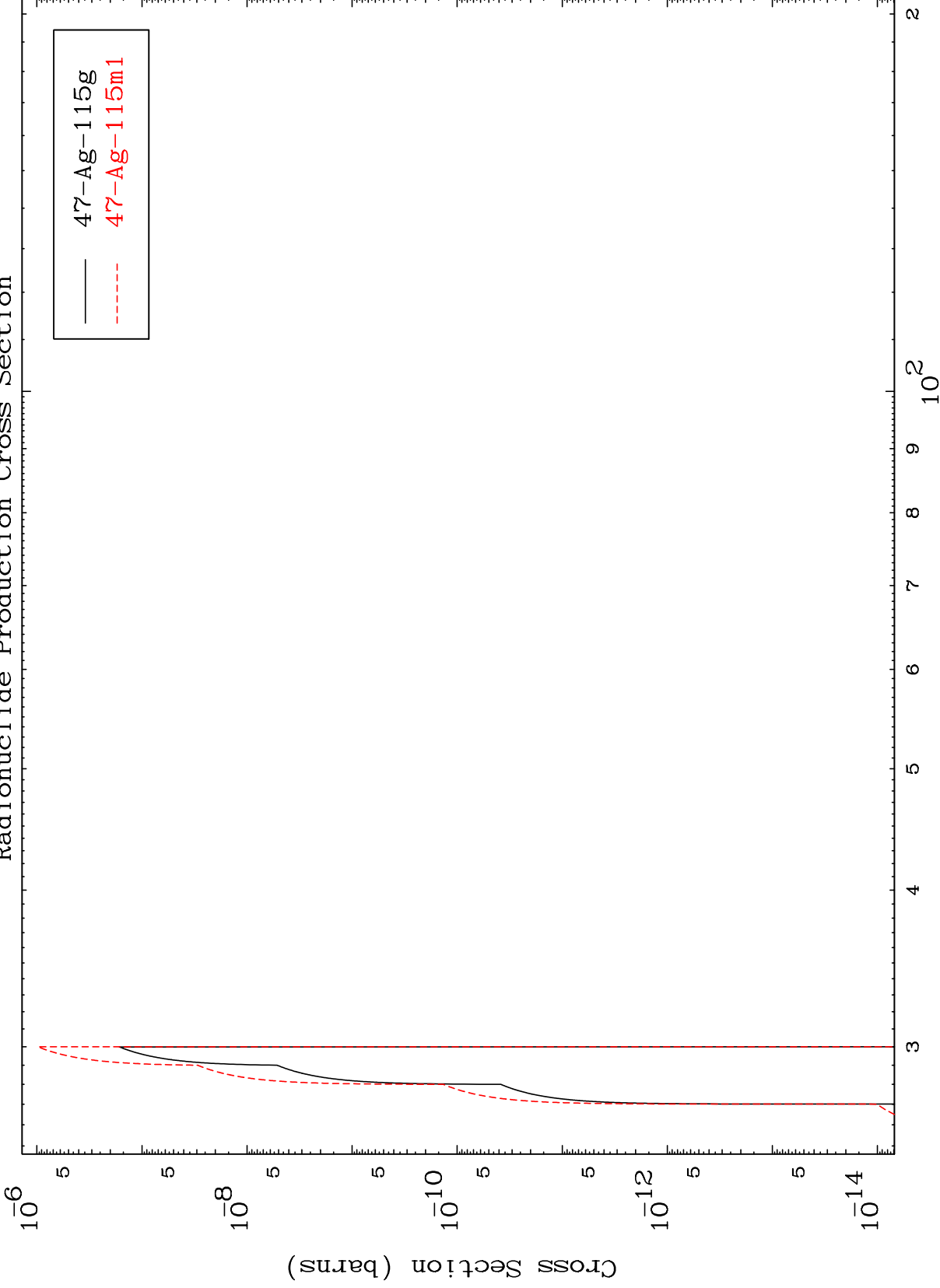
48-Cd-118

MAT 4861

(n,3n) p

48-Cd-118

Radionuclide Production Cross Section



86

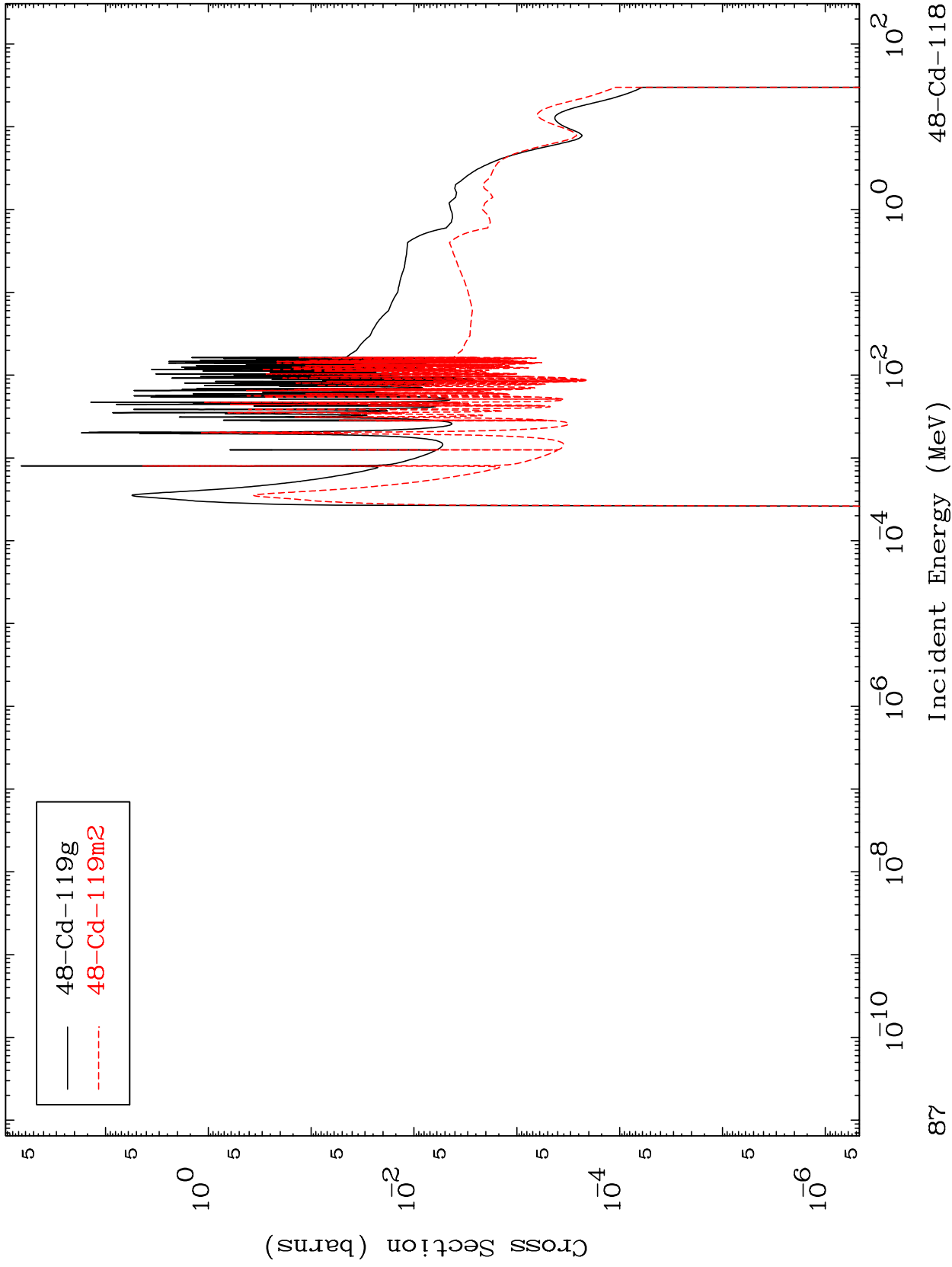
Incident Energy (MeV)

48-Cd-118

MAT 4861

48-Cd-118

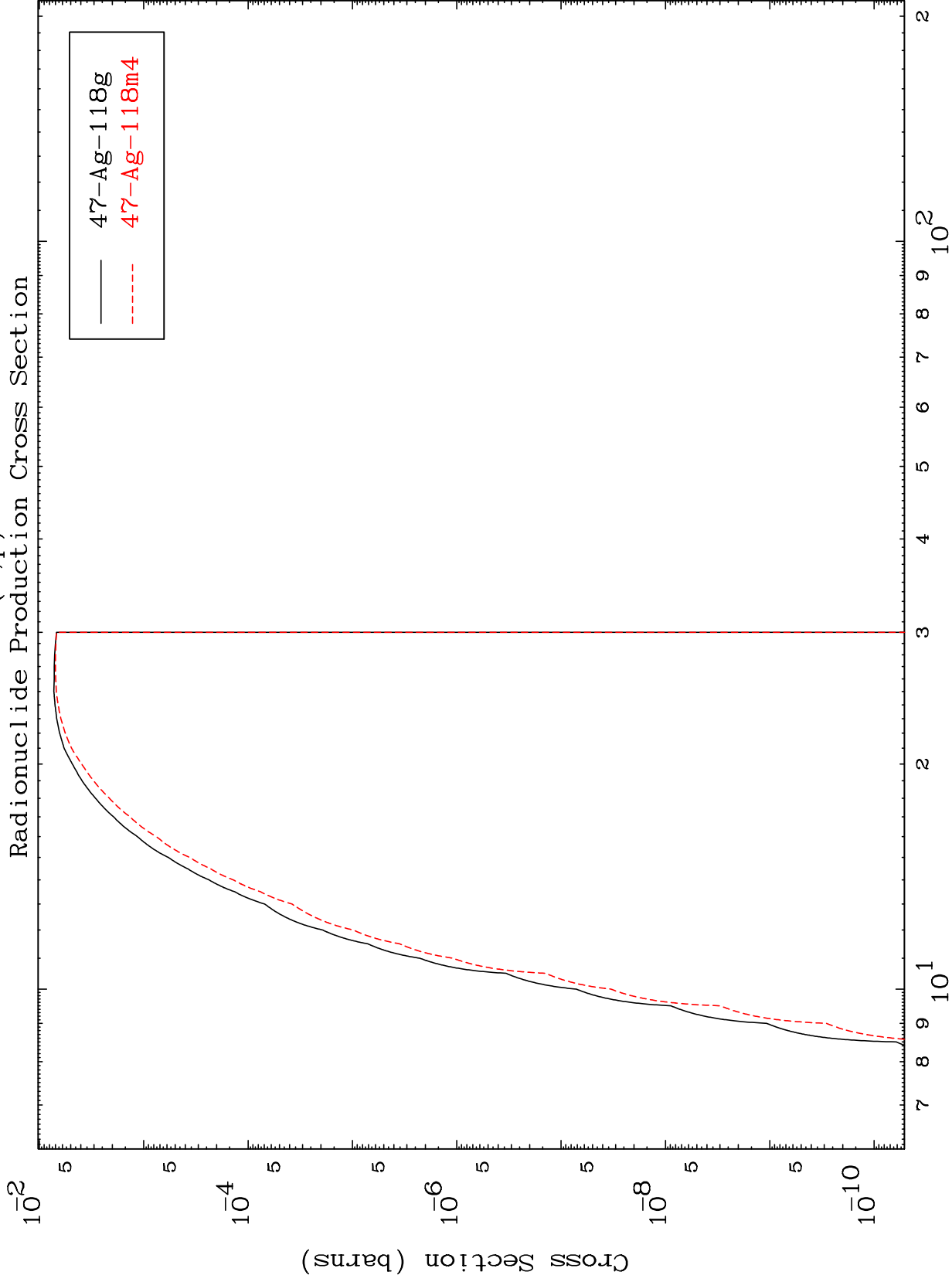
(n,γ)
Radionuclide Production Cross Section



MAT 4861

48-Cd-118

(n,p)
Radionuclide Production Cross Section



88

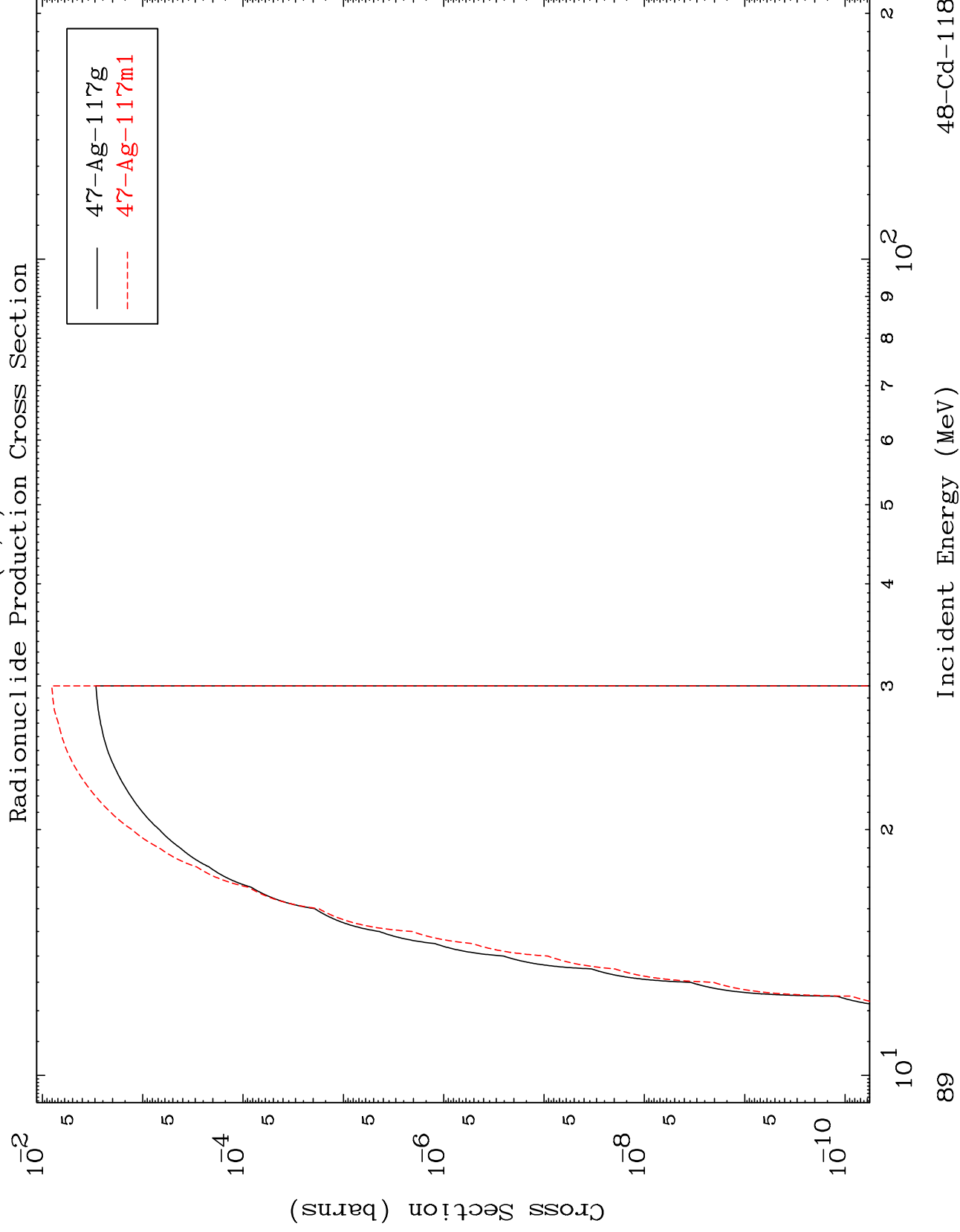
Incident Energy (MeV)

48-Cd-118

MAT 4861

(n,d)

48-Cd-118



89

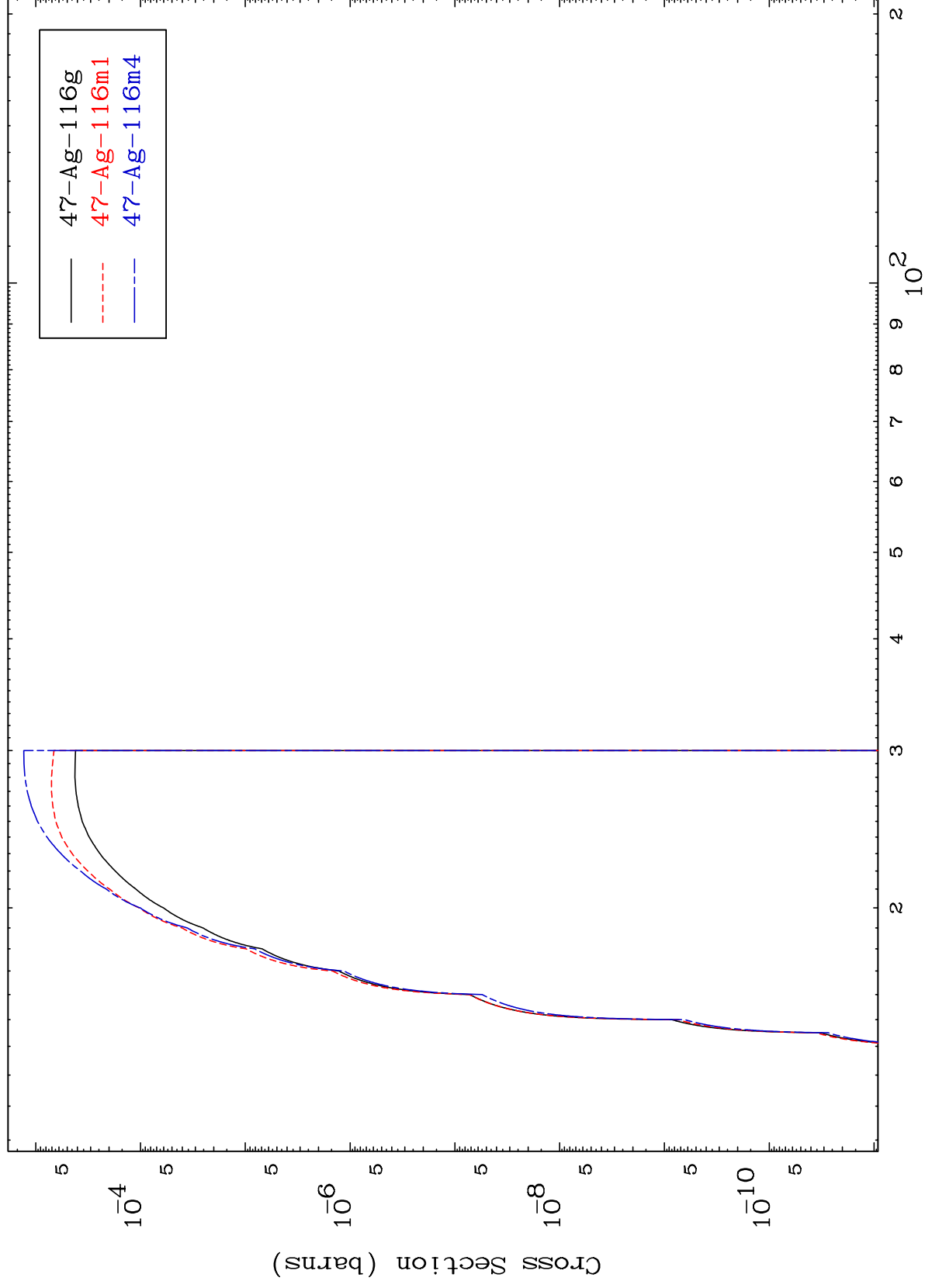
Incident Energy (MeV)

48-Cd-118

MAT 4861

48-Cd-118

(n,t)
Radionuclide Production Cross Section



90

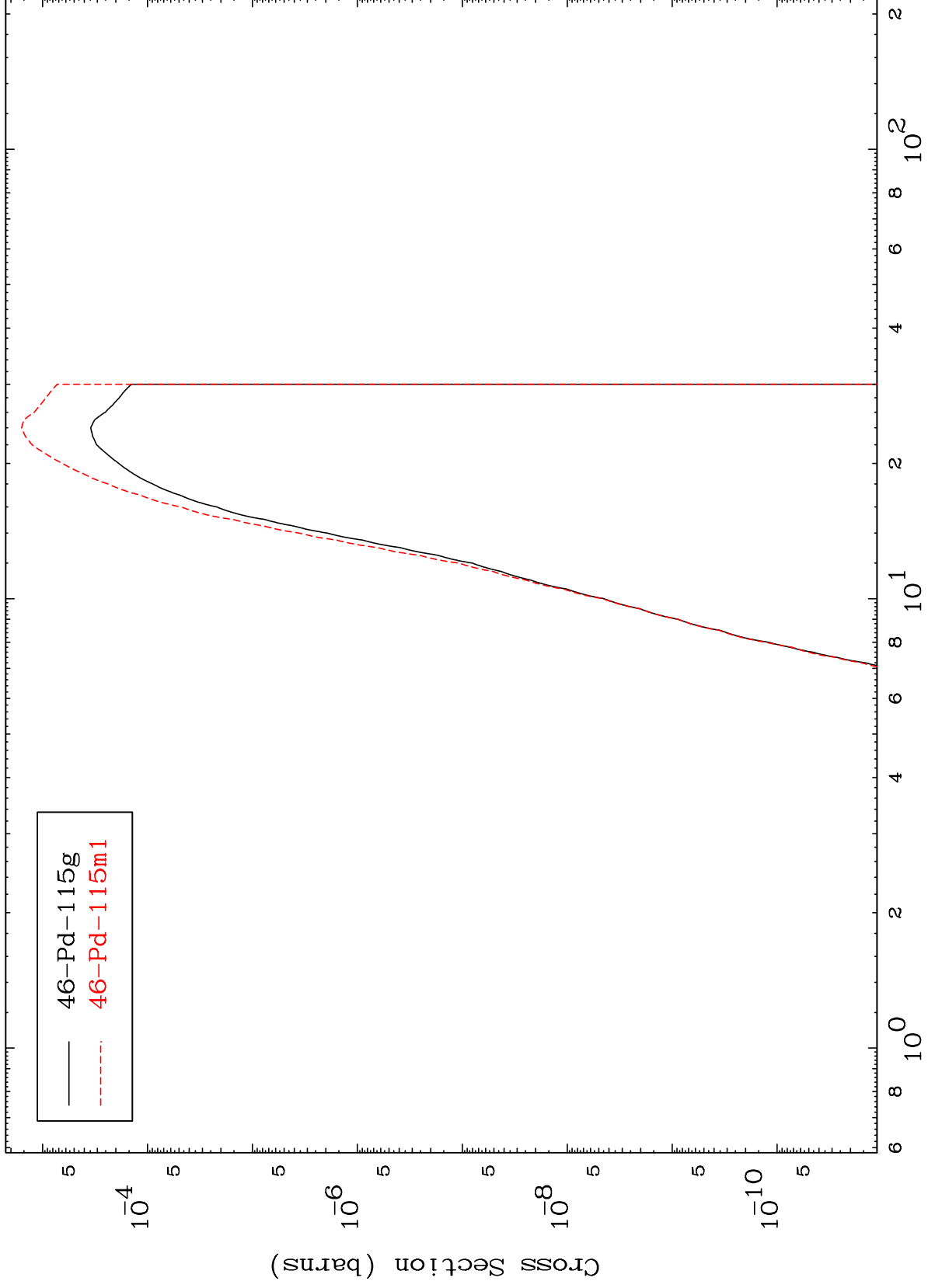
Incident Energy (MeV)

48-Cd-118

MAT 4861

48-Cd-118

(n, α)
Radionuclide Production Cross Section



91

Incident Energy (MeV)

48-Cd-118