

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

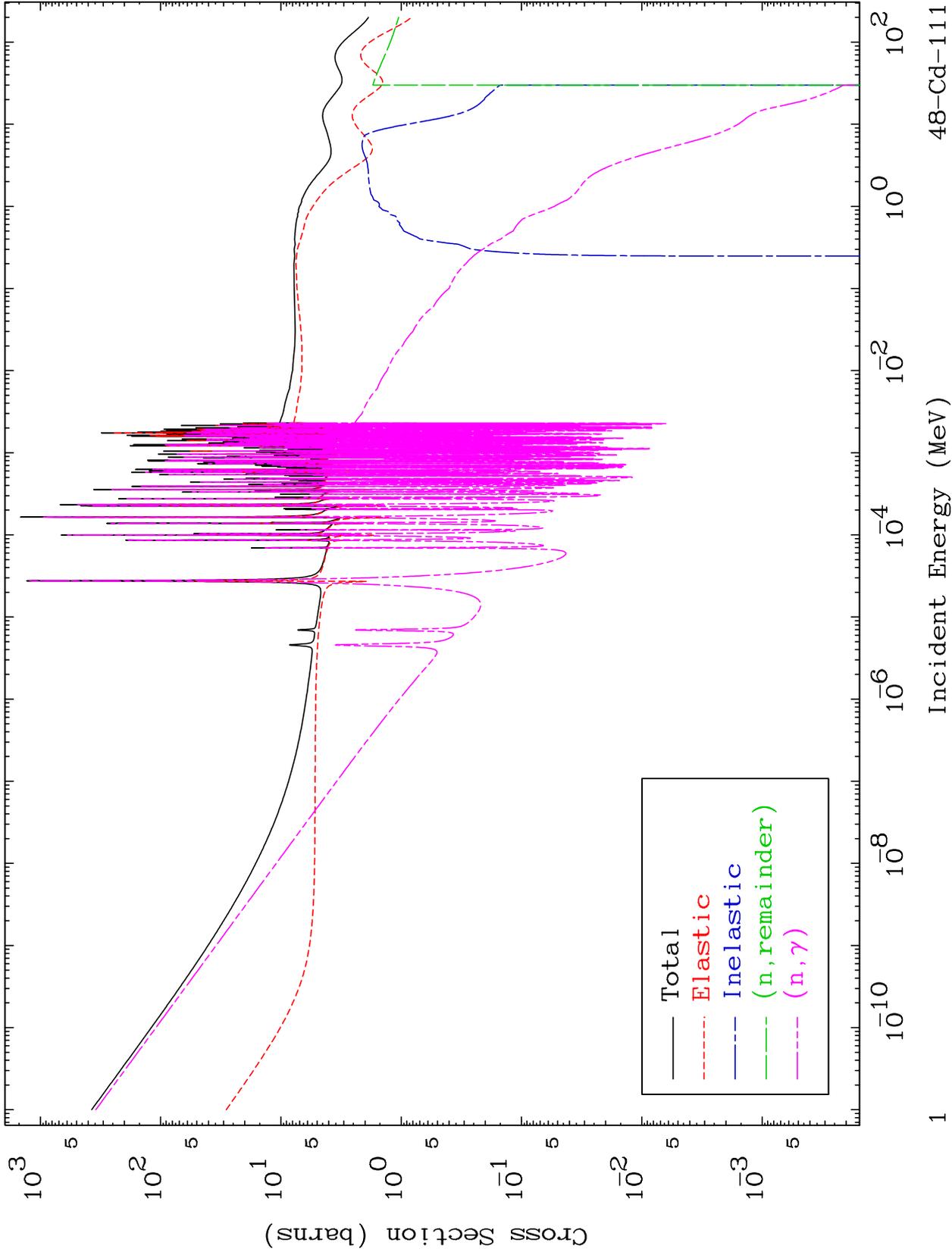
Press Mouse Button to Start

MAT 4840

Major

293 Kelvin Cross Sections

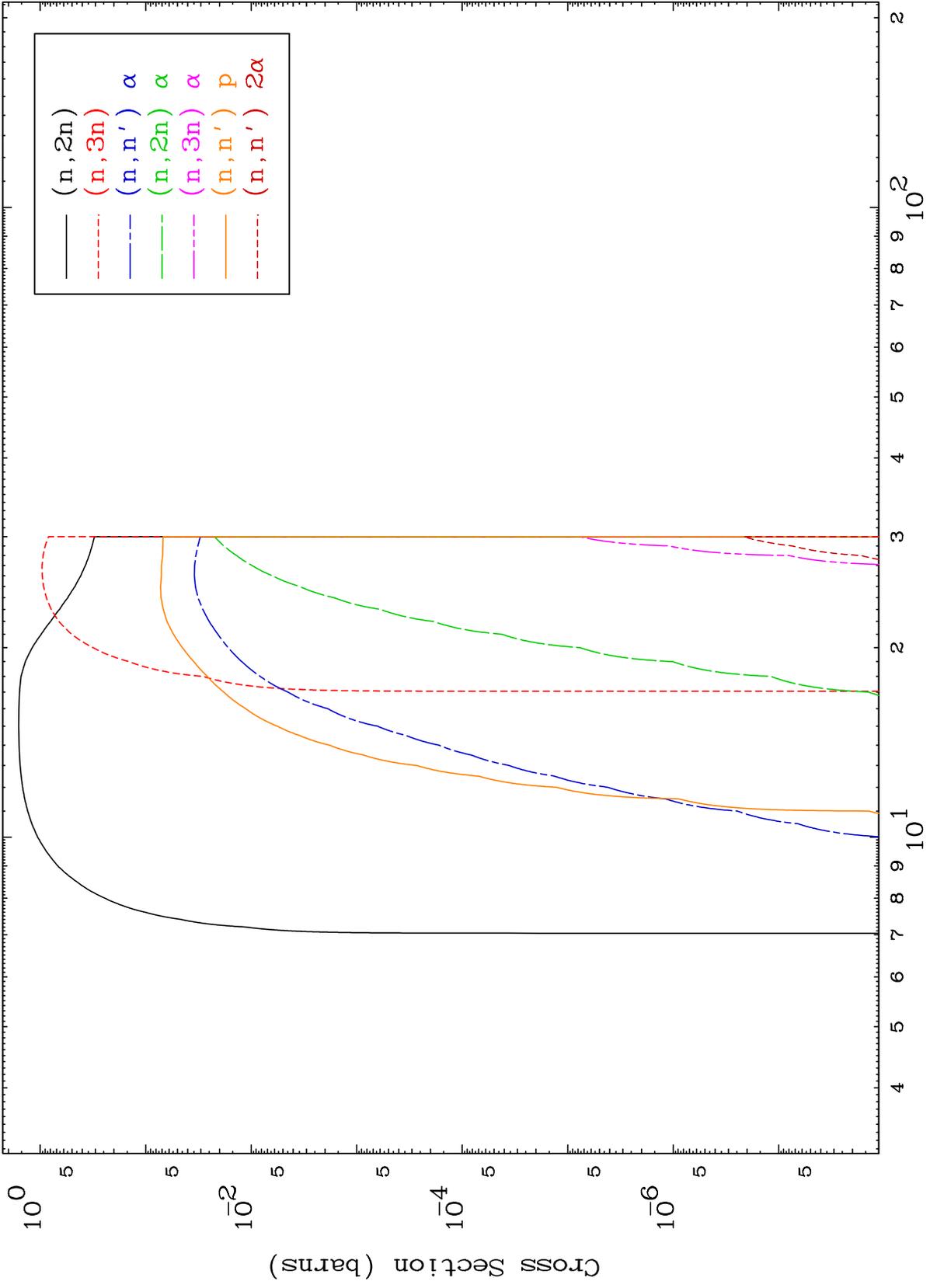
48-Cd-111



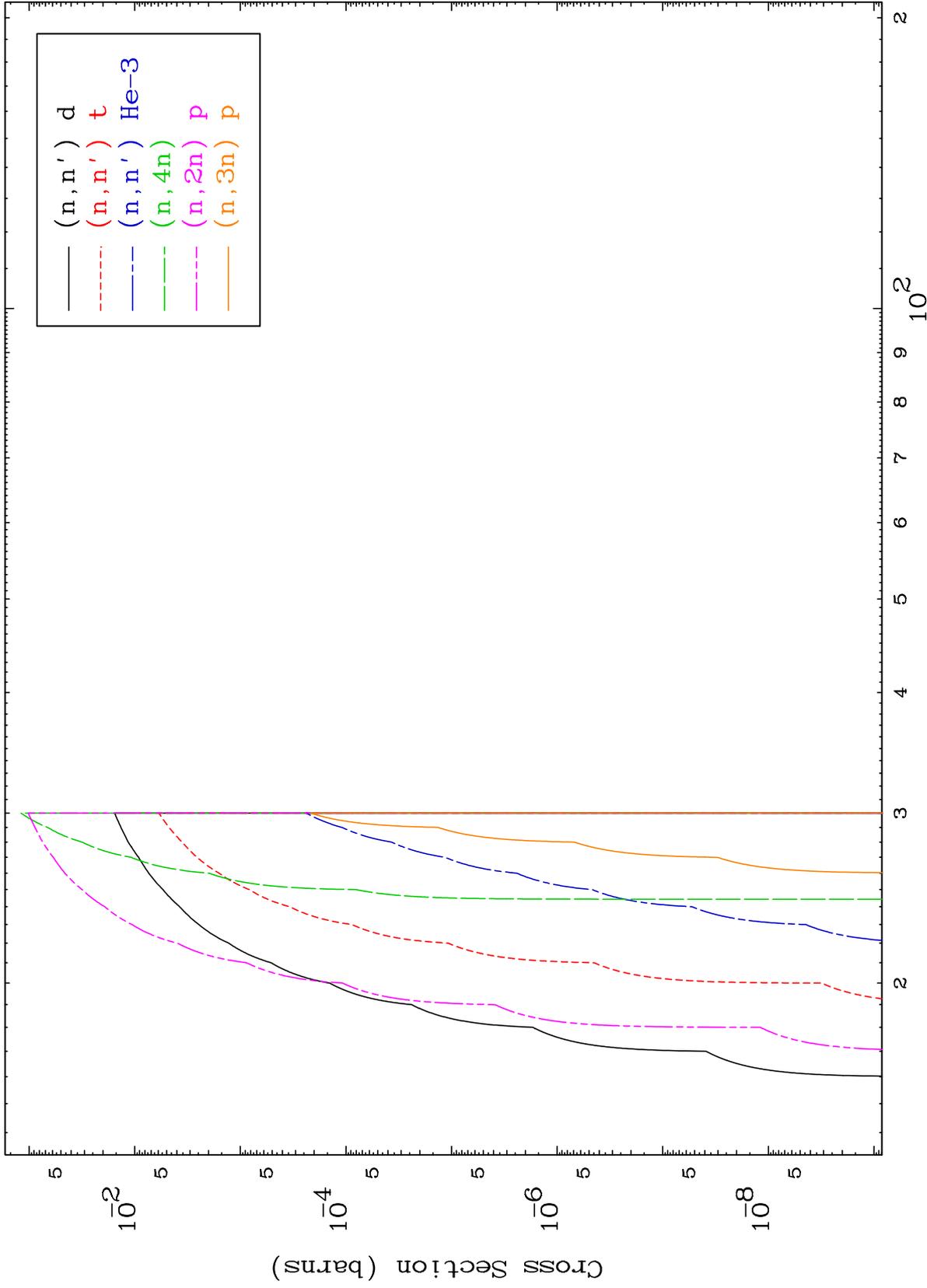
MAT 4840

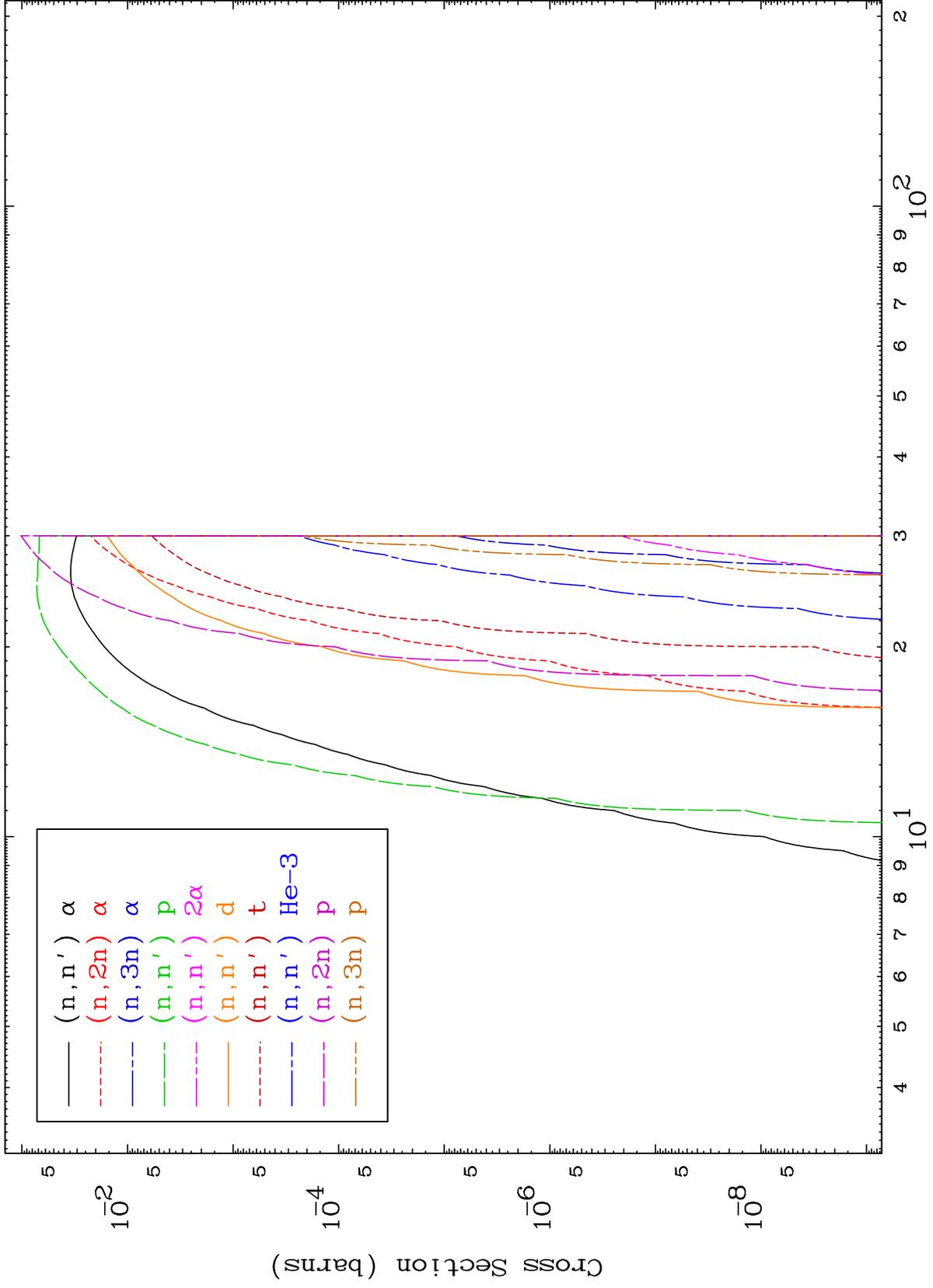
Neutron Production
293 Kelvin Cross Sections

48-Cd-111



48-Cd-111

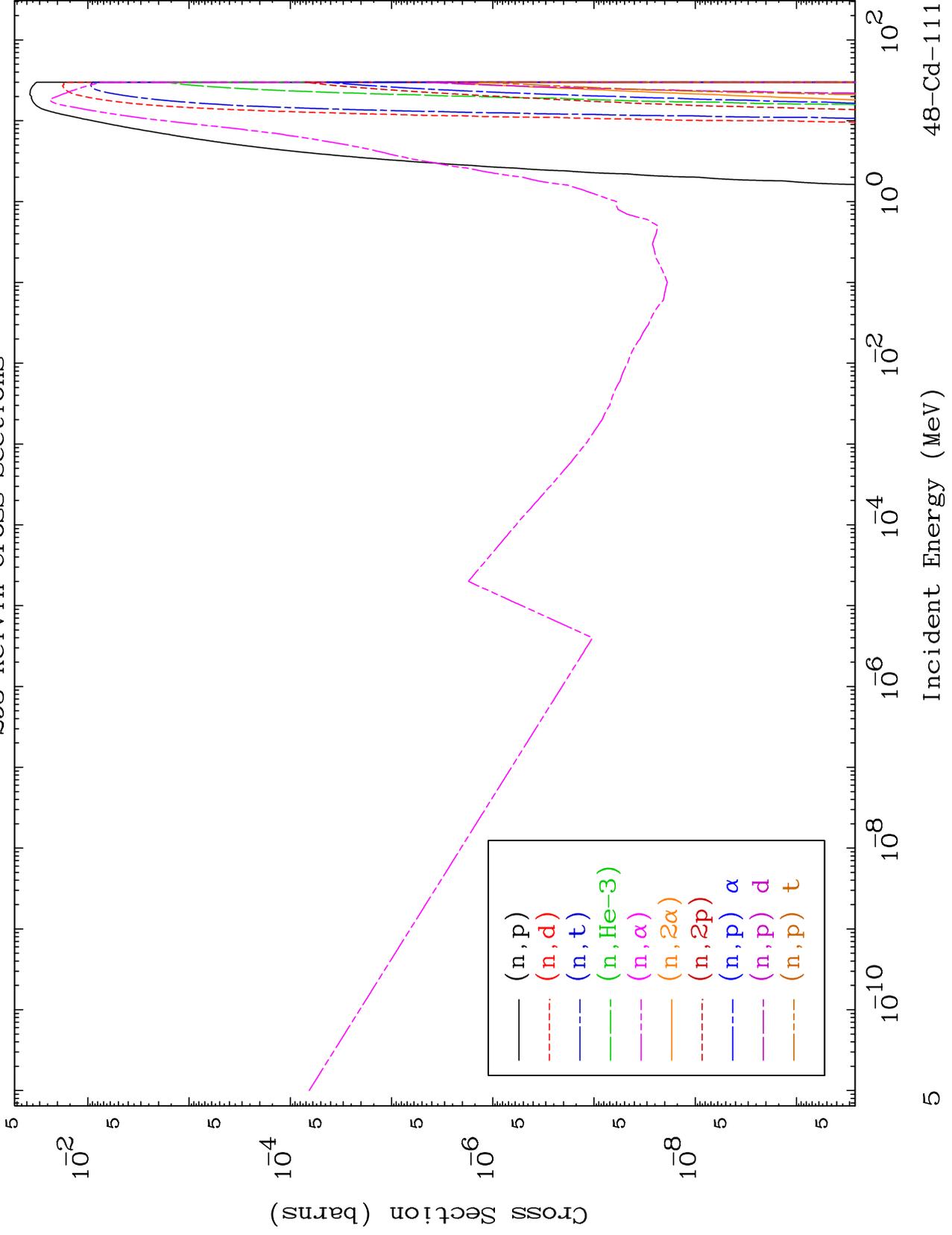


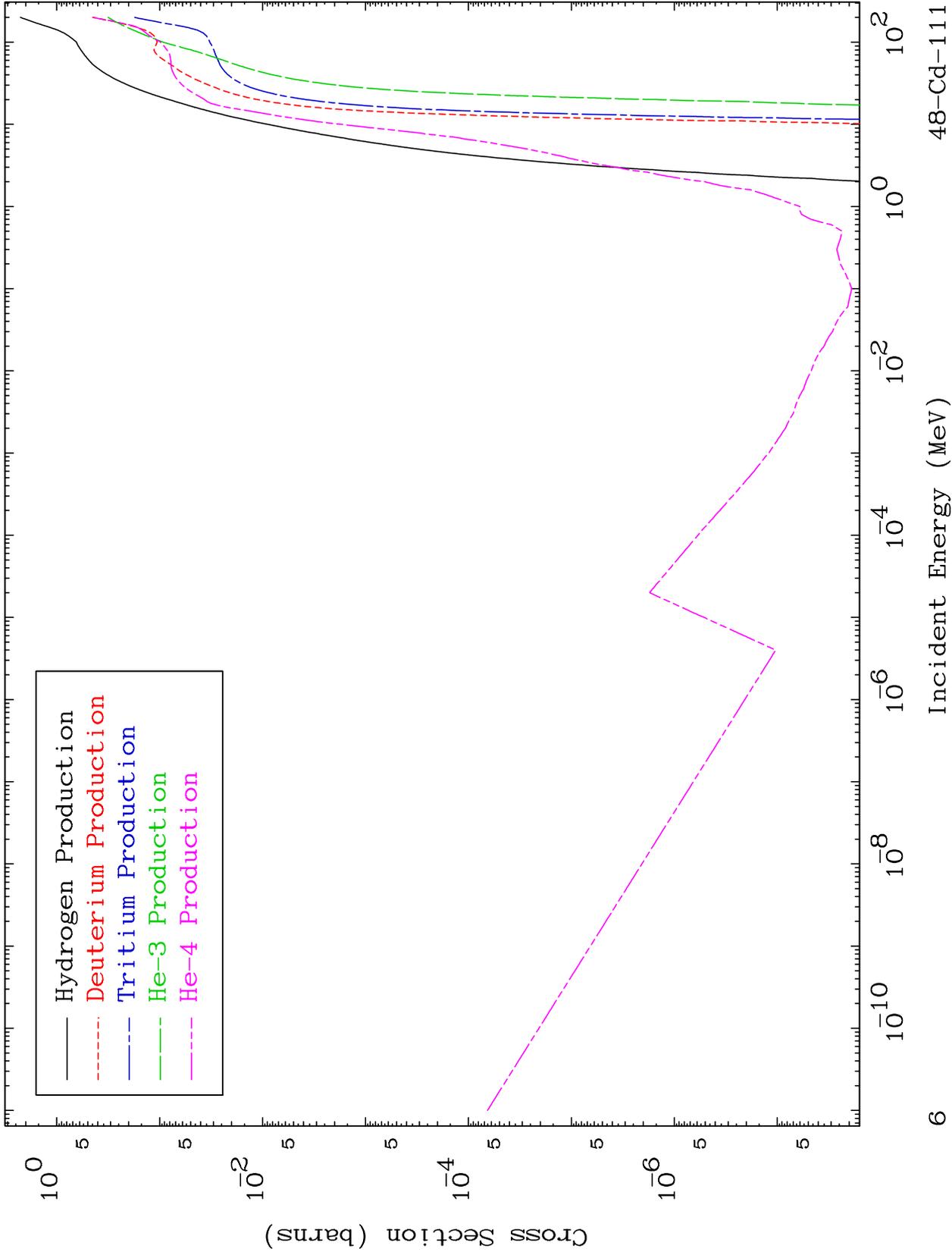


MAT 4840

Charged Particle
293 Kelvin Cross Sections

48-Cd-111



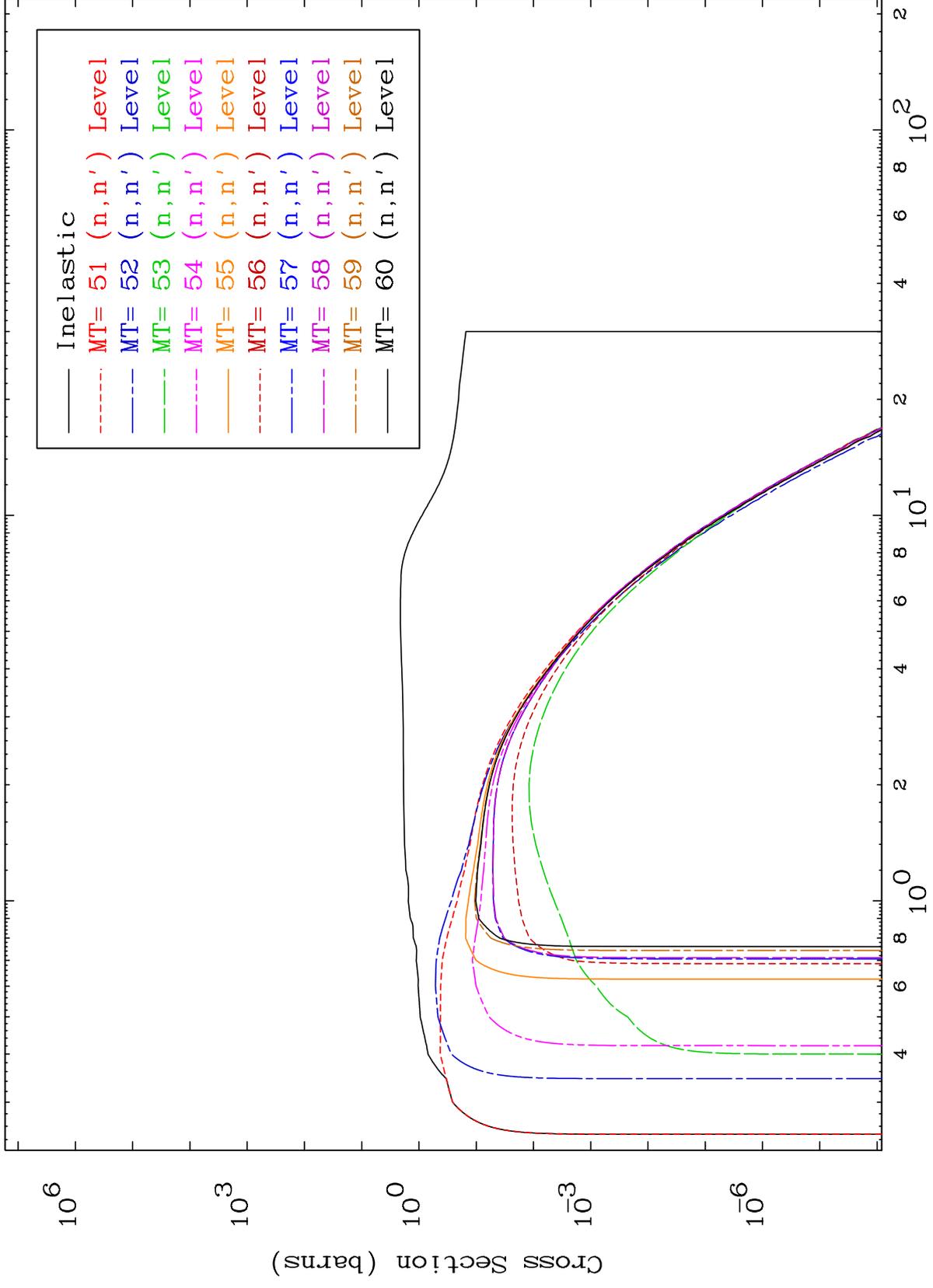


MAT 4840

(n,n') Level

48-Cd-111

293 Kelvin Cross Sections

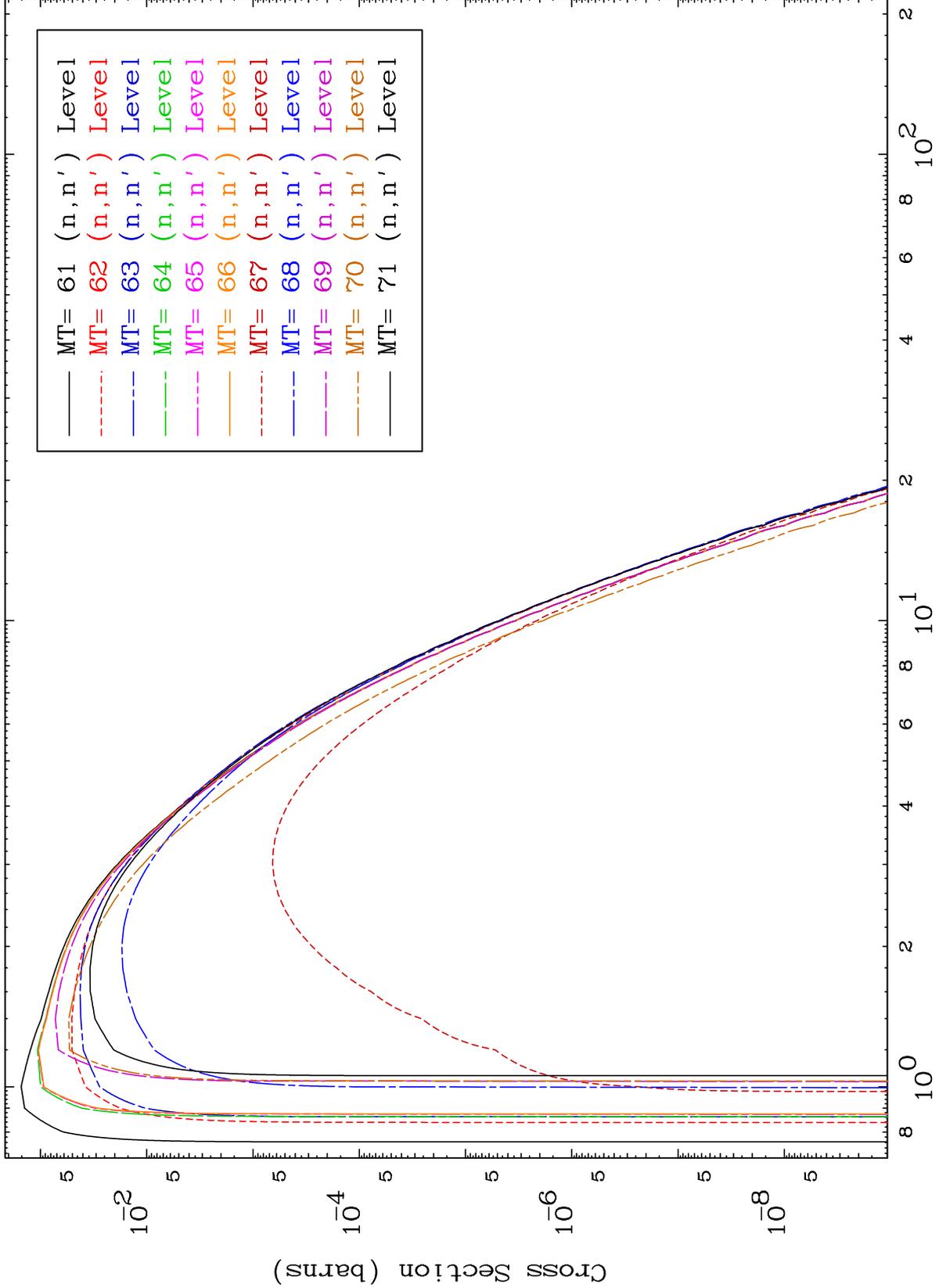


MAT 4840

(n,n') Level

48-Cd-111

293 Kelvin Cross Sections



8

Incident Energy (MeV)

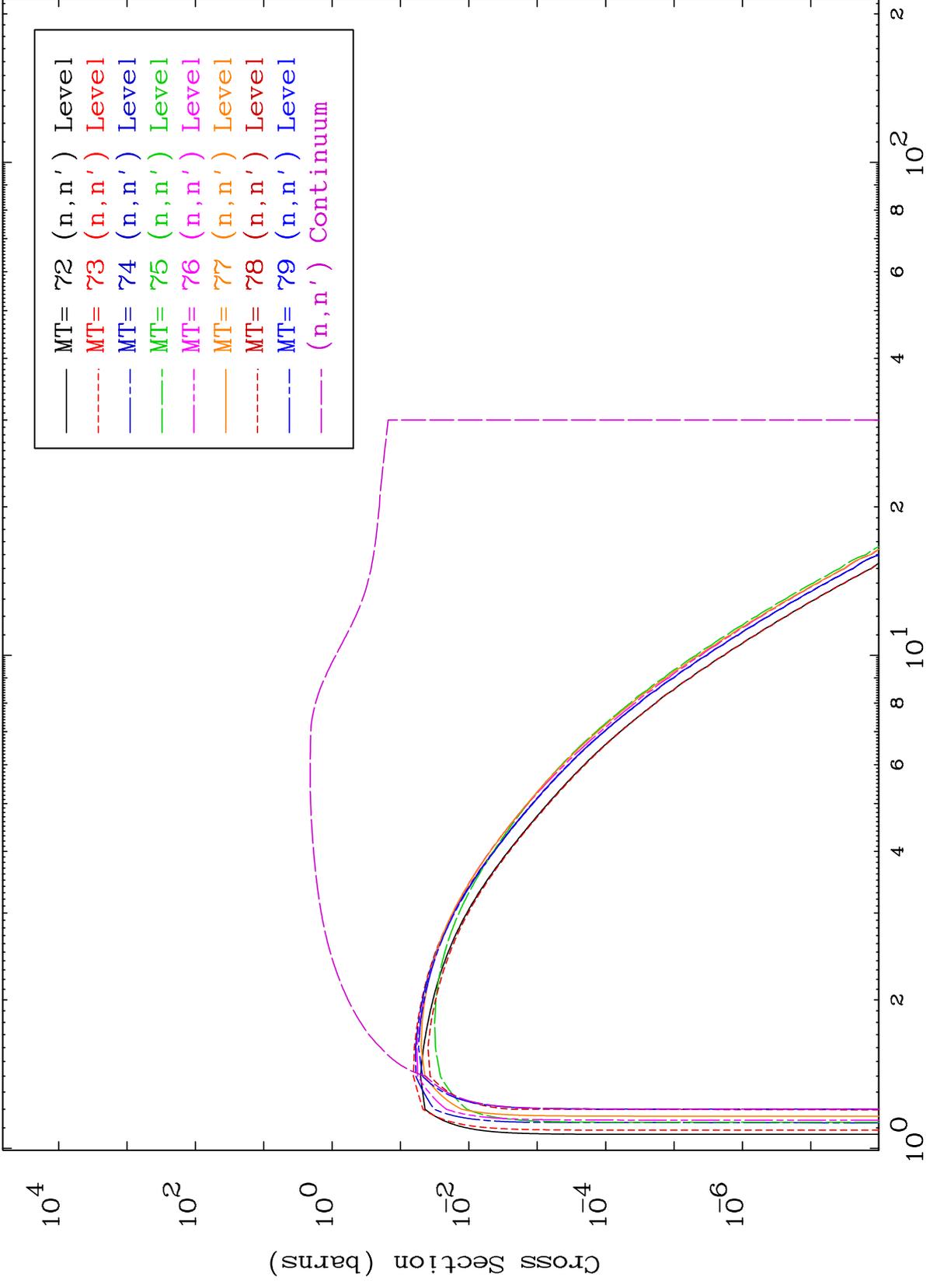
48-Cd-111

MAT 4840

(n,n') Level

48-Cd-111

293 Kelvin Cross Sections



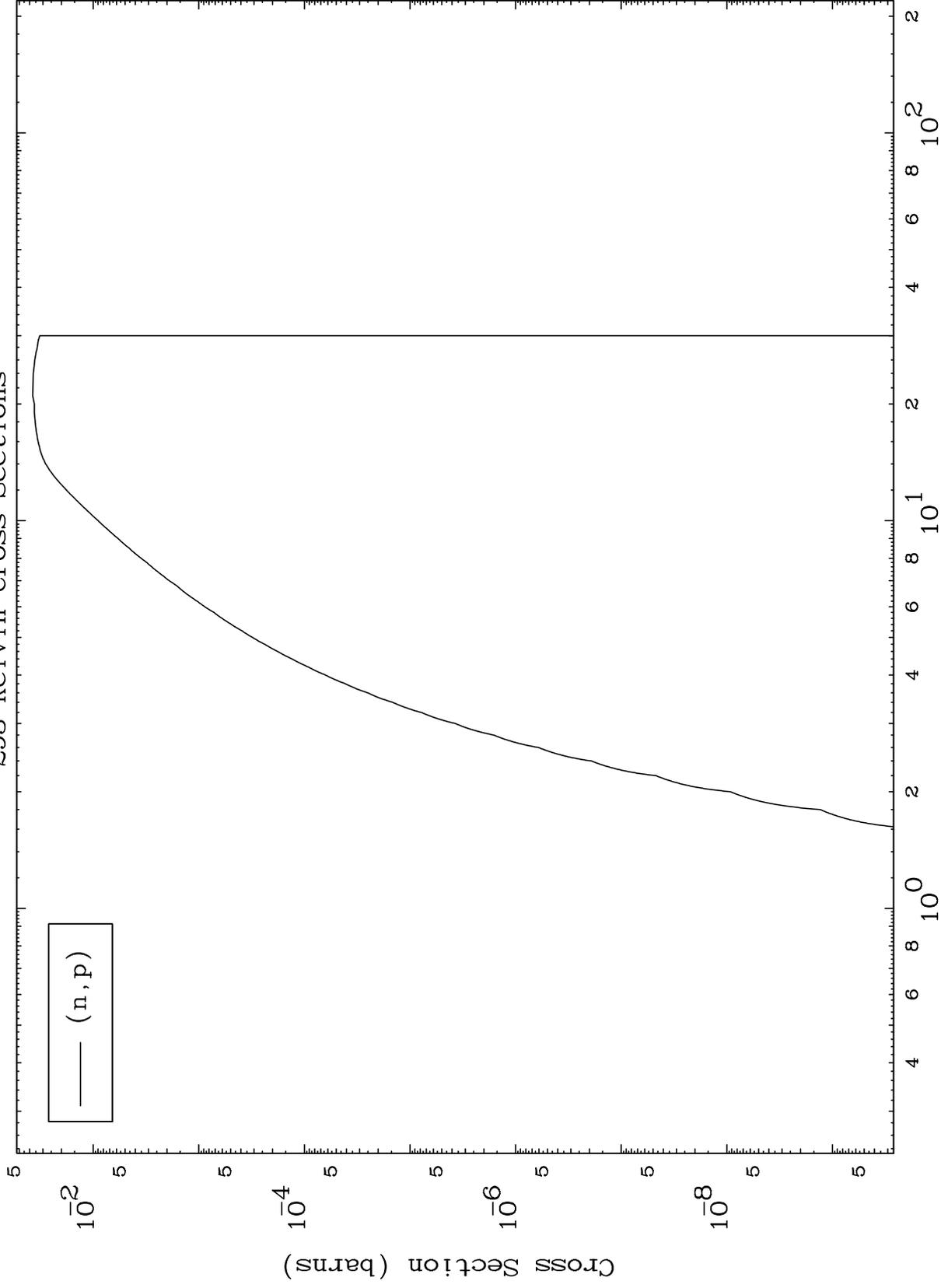
Incident Energy (MeV)

48-Cd-111

MAT 4840

(n,p) Levels
293 Kelvin Cross Sections

48-Cd-111



10

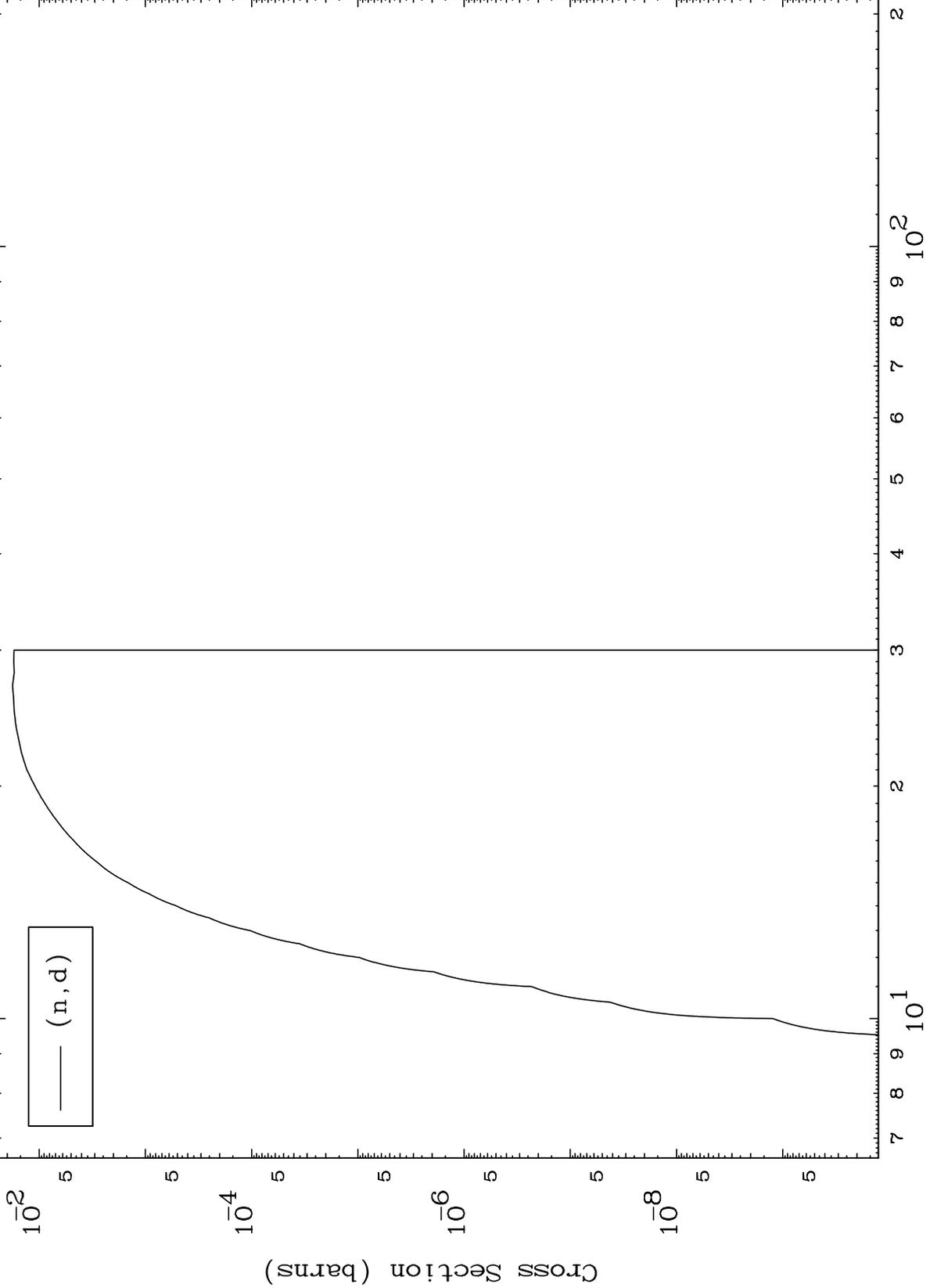
Incident Energy (MeV)

48-Cd-111

MAT 4840

(n,d) Levels
293 Kelvin Cross Sections

48-Cd-111



11

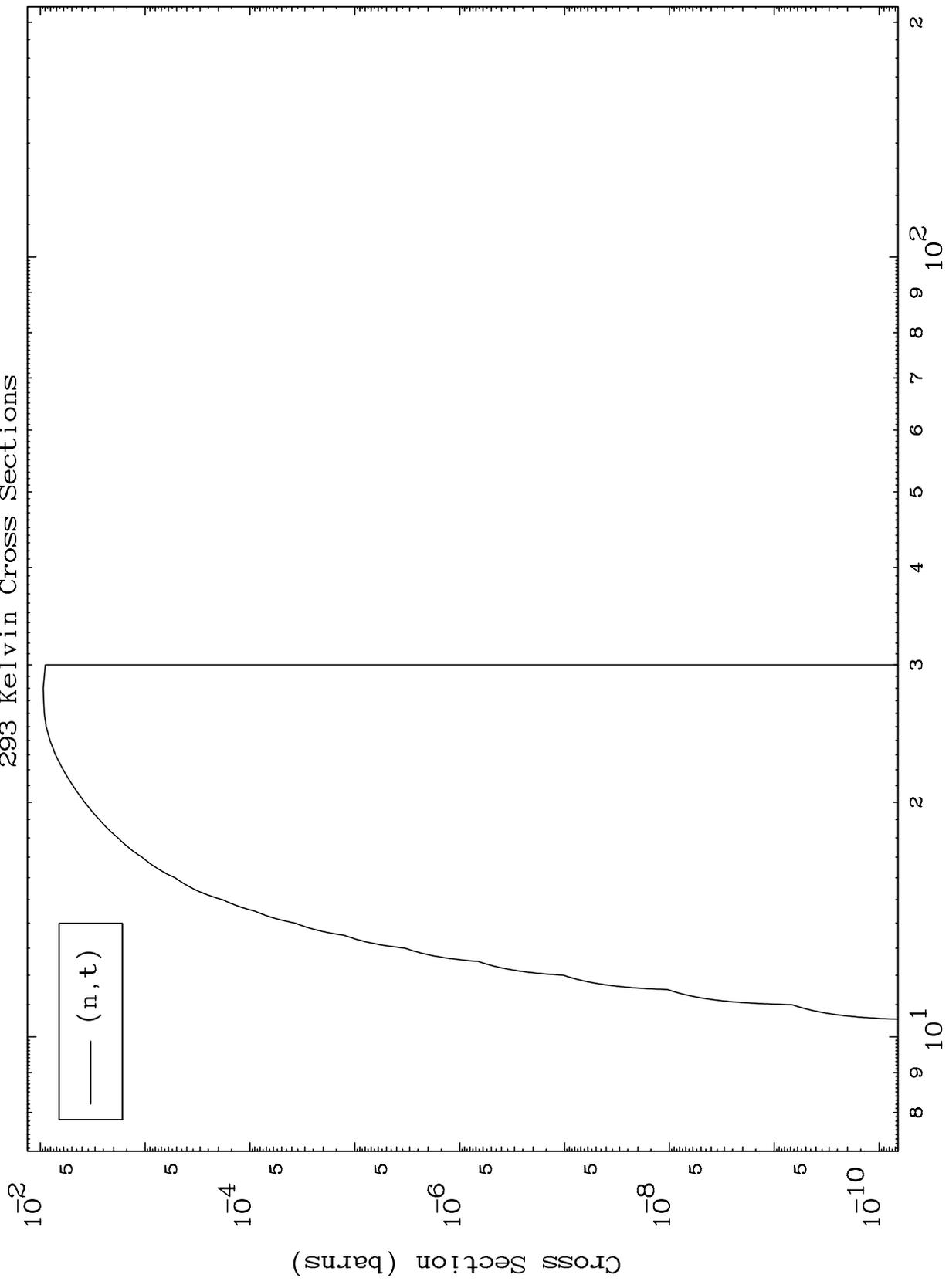
Incident Energy (MeV)

48-Cd-111

MAT 4840

48-Cd-111

(n,t) Levels
293 Kelvin Cross Sections



12

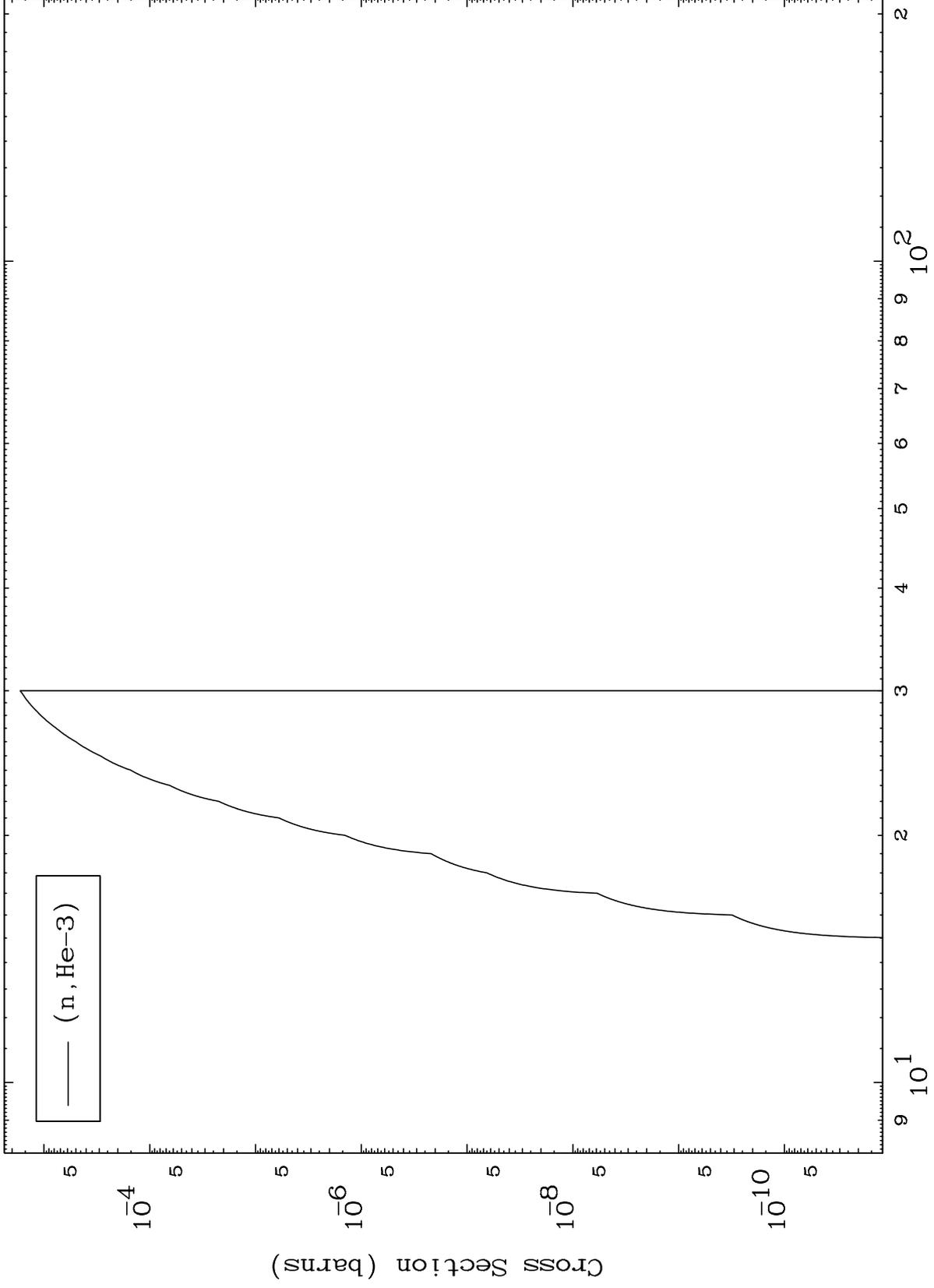
Incident Energy (MeV)

48-Cd-111

MAT 4840

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-111



13

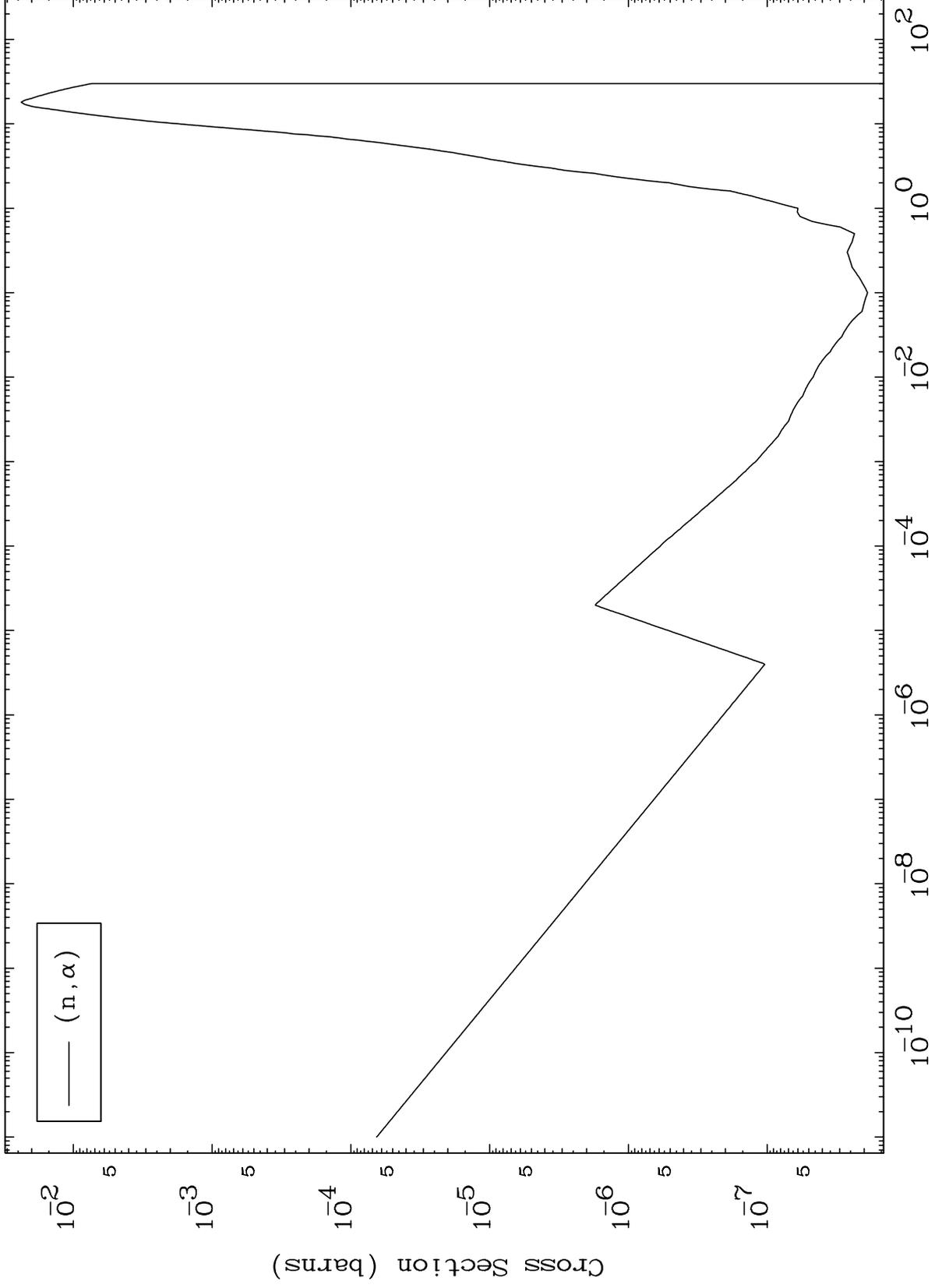
Incident Energy (MeV)

48-Cd-111

MAT 4840

(n, α) Levels
293 Kelvin Cross Sections

48-Cd-111

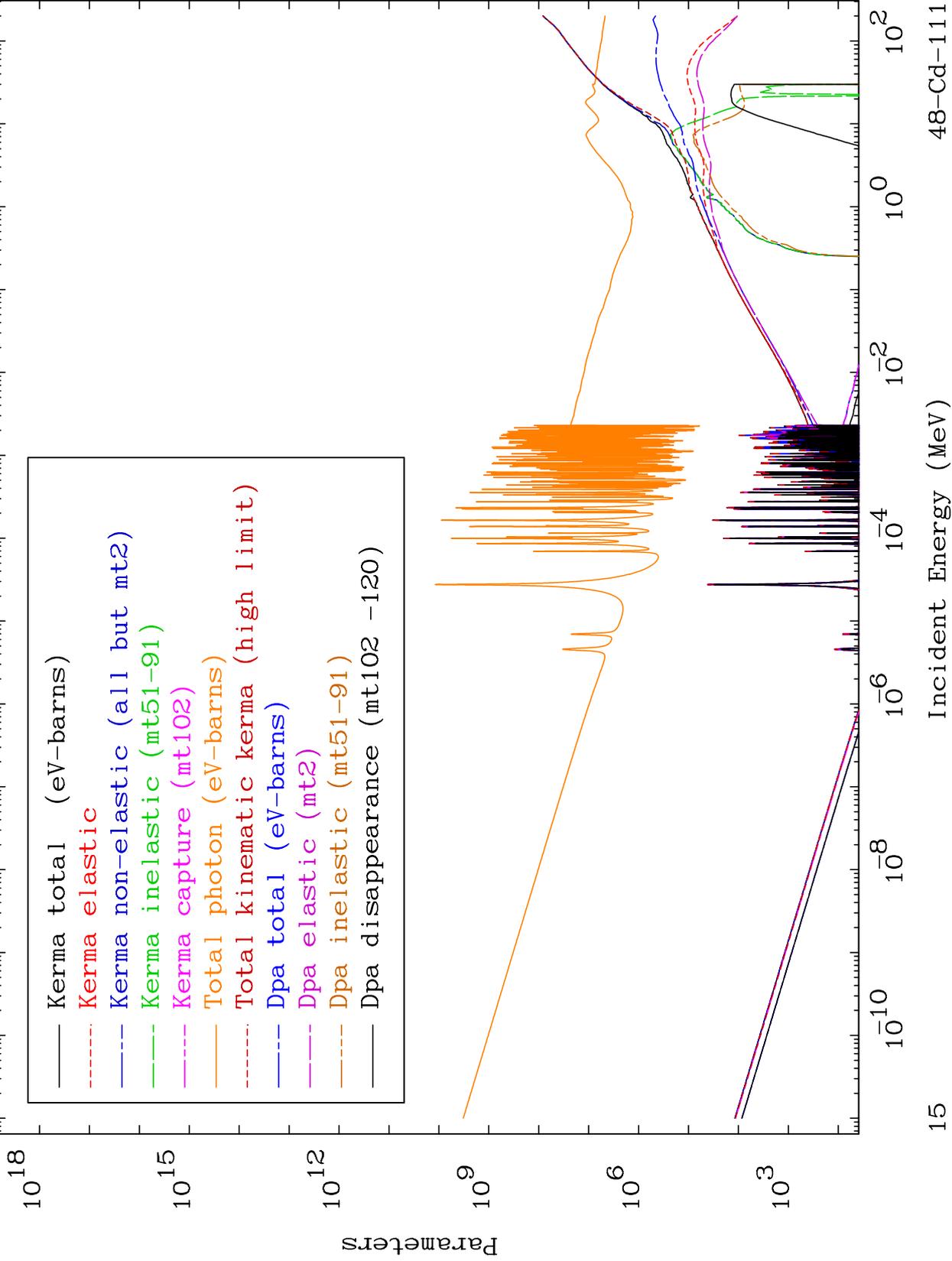


(n, α)

48-Cd-111

Incident Energy (MeV)

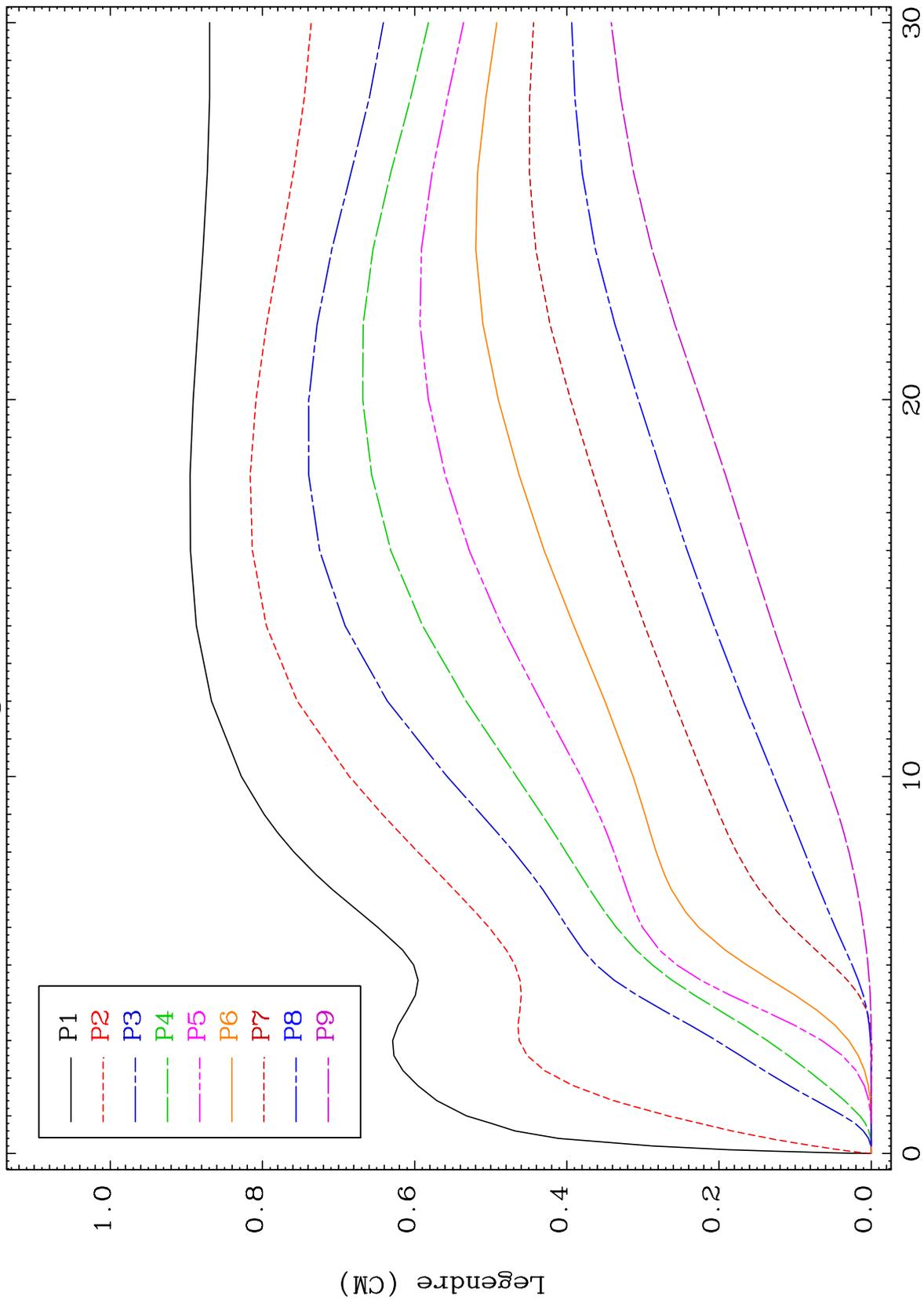
14



MAT 4840

Elastic Legendre Coefficients

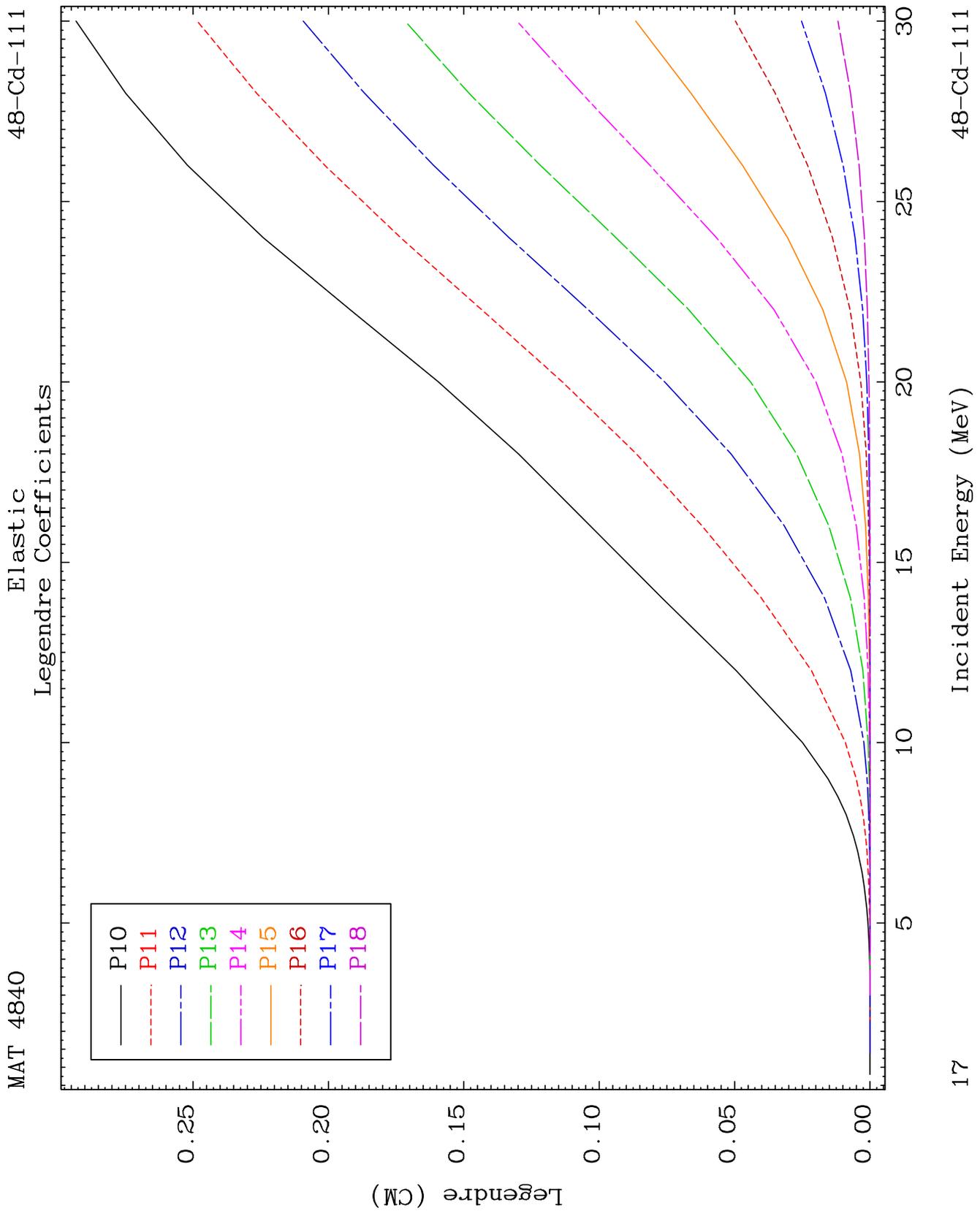
48-Cd-111



16

Incident Energy (MeV)

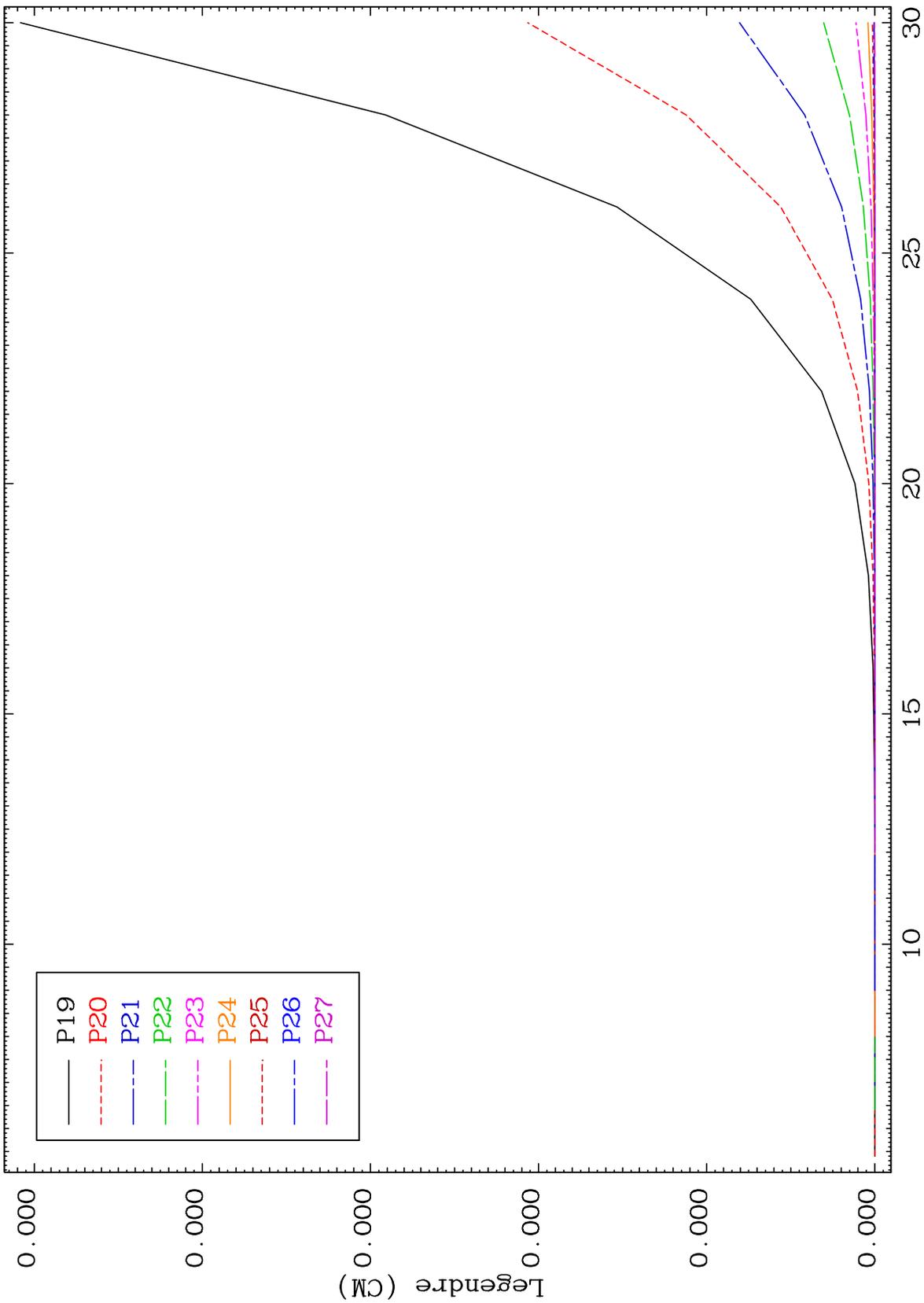
48-Cd-111



MAT 4840

Elastic Legendre Coefficients

48-Cd-111



18

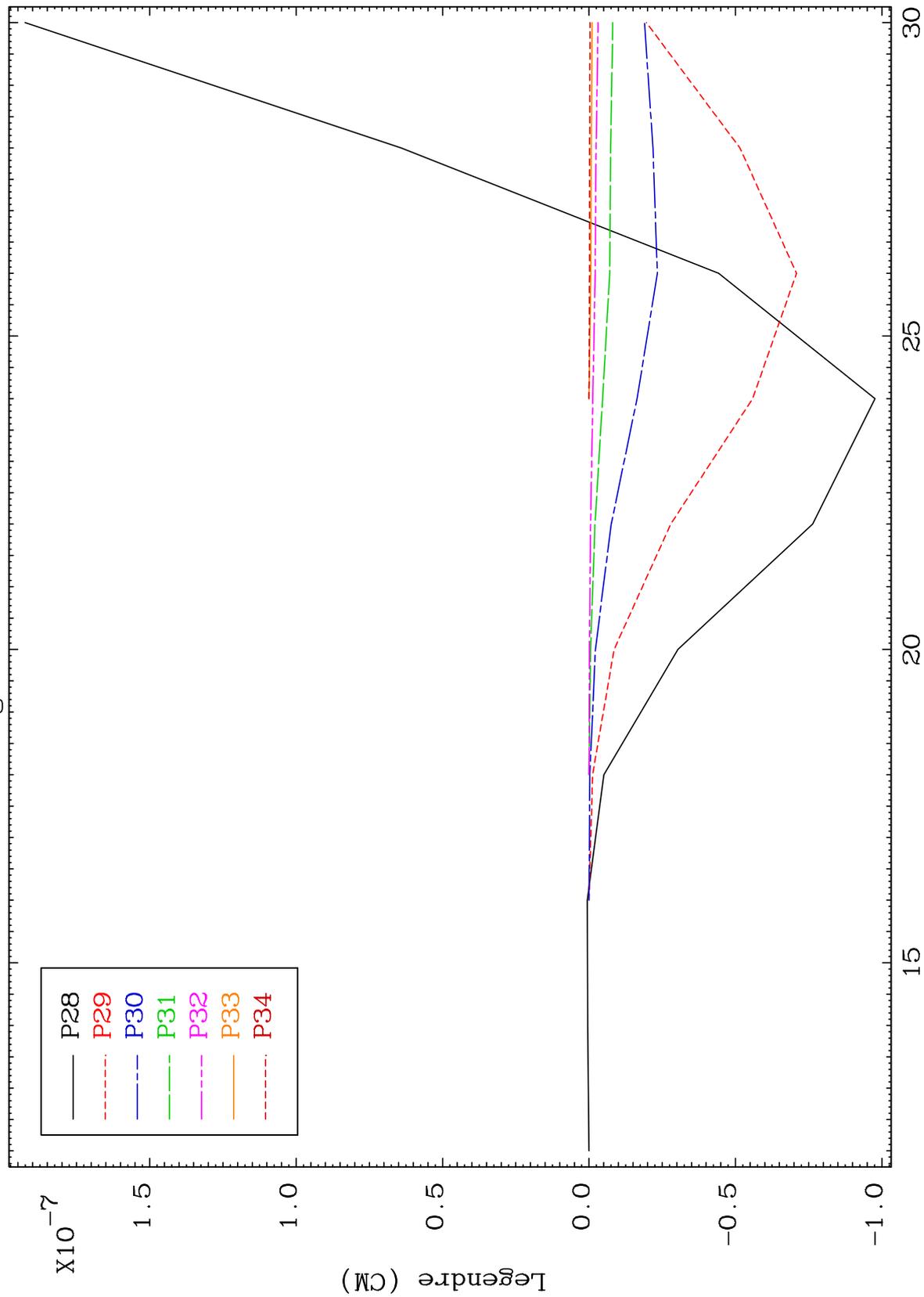
Incident Energy (MeV)

48-Cd-111

MAT 4840

Elastic
Legendre Coefficients

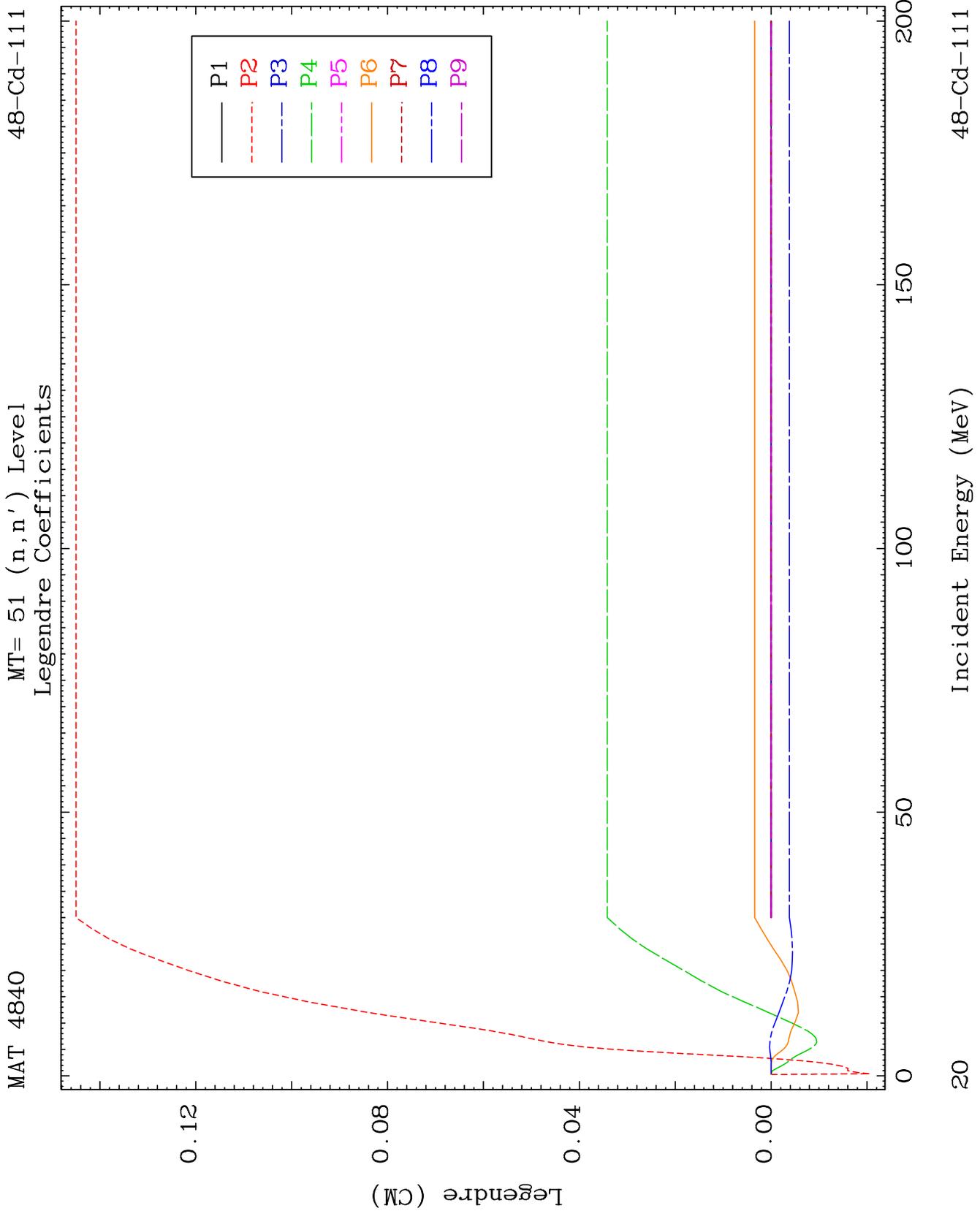
48-Cd-111

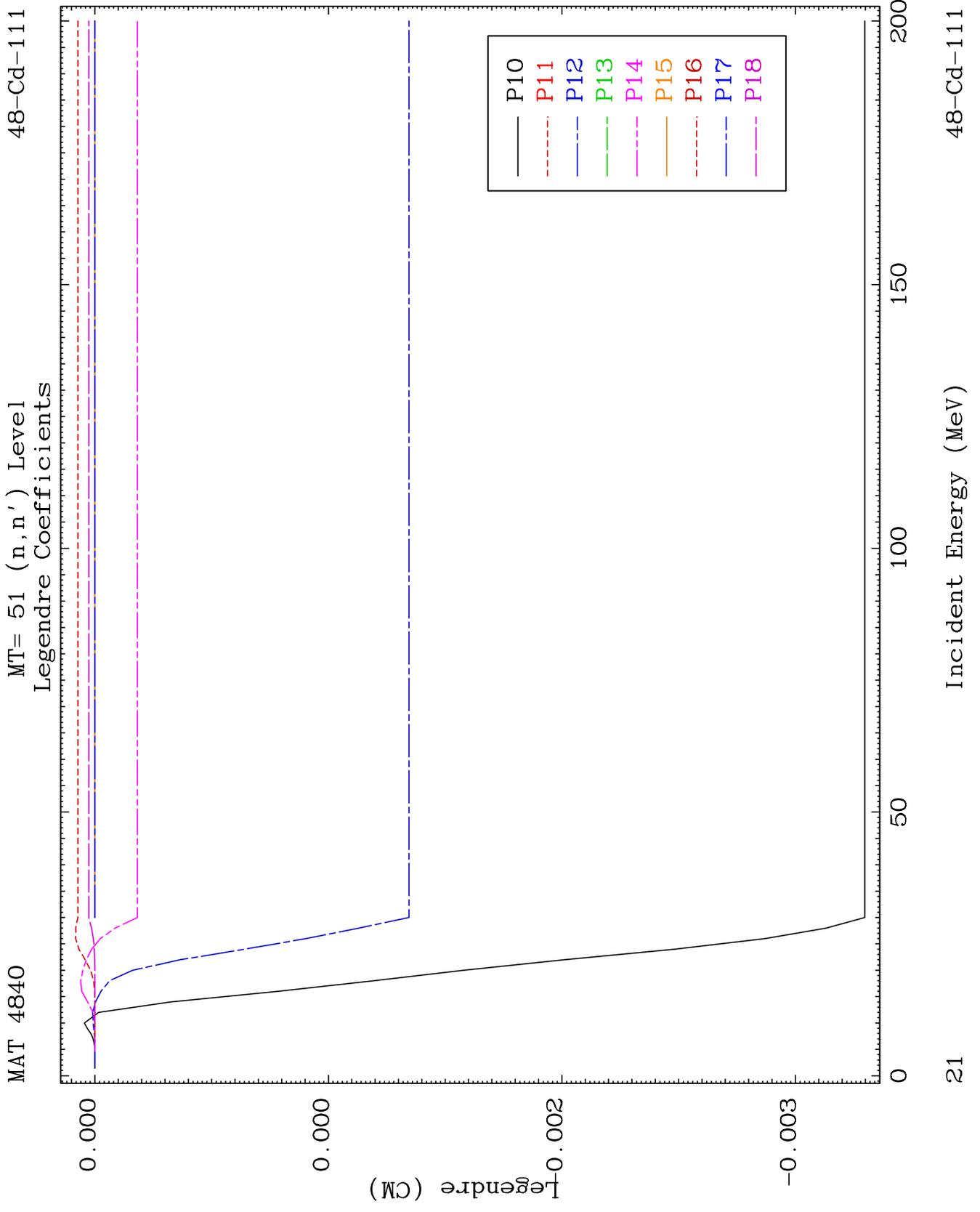


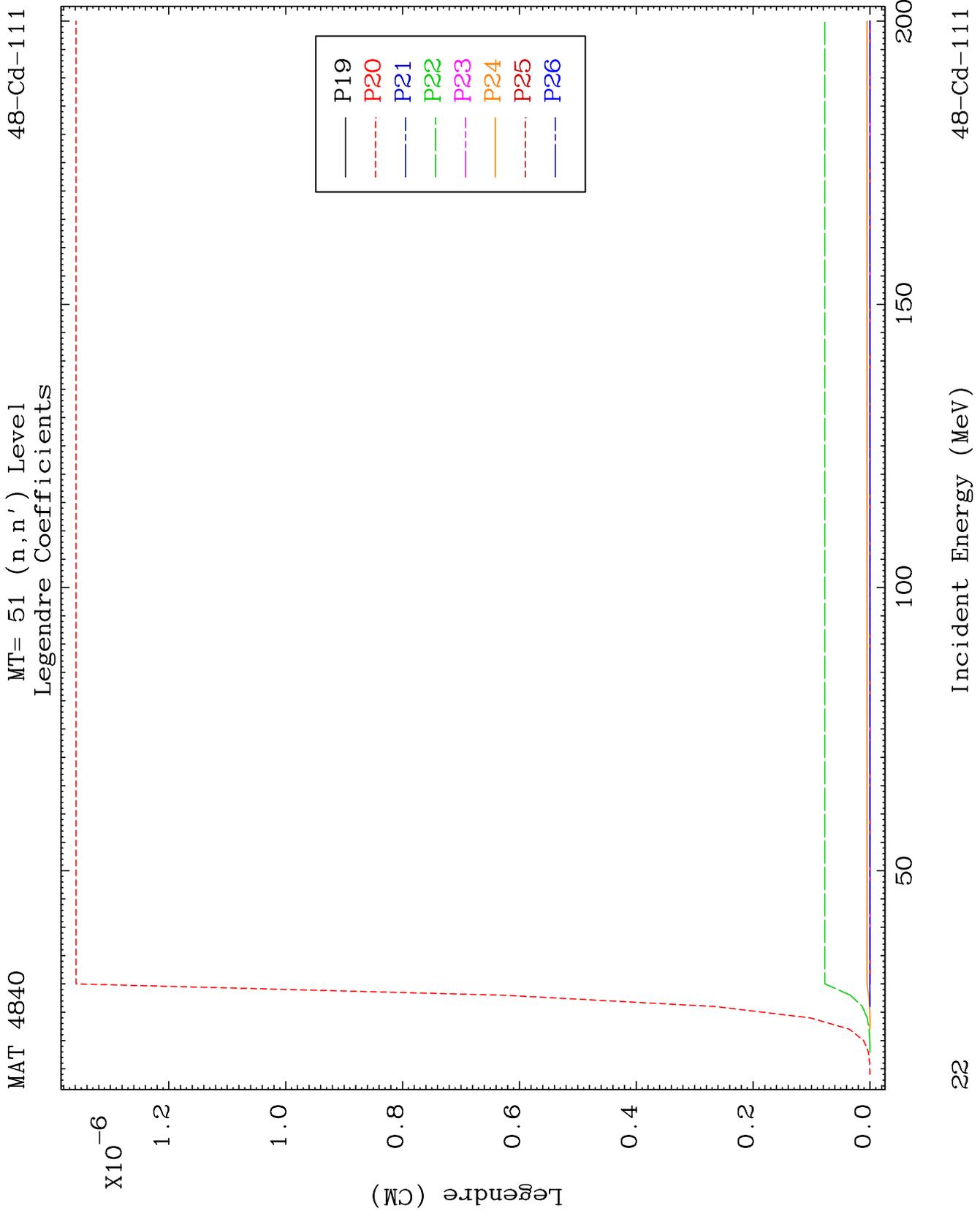
19

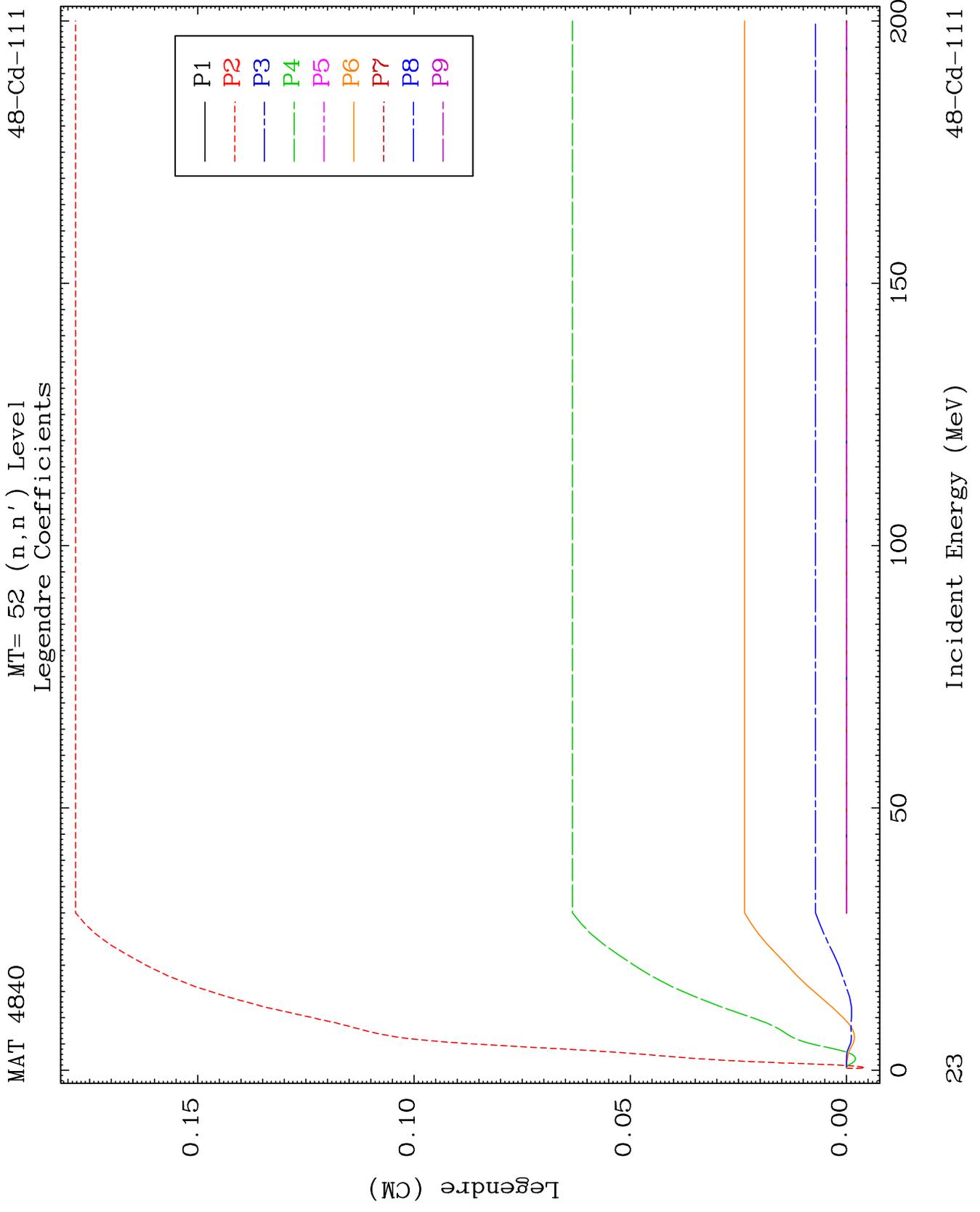
Incident Energy (MeV)

48-Cd-111





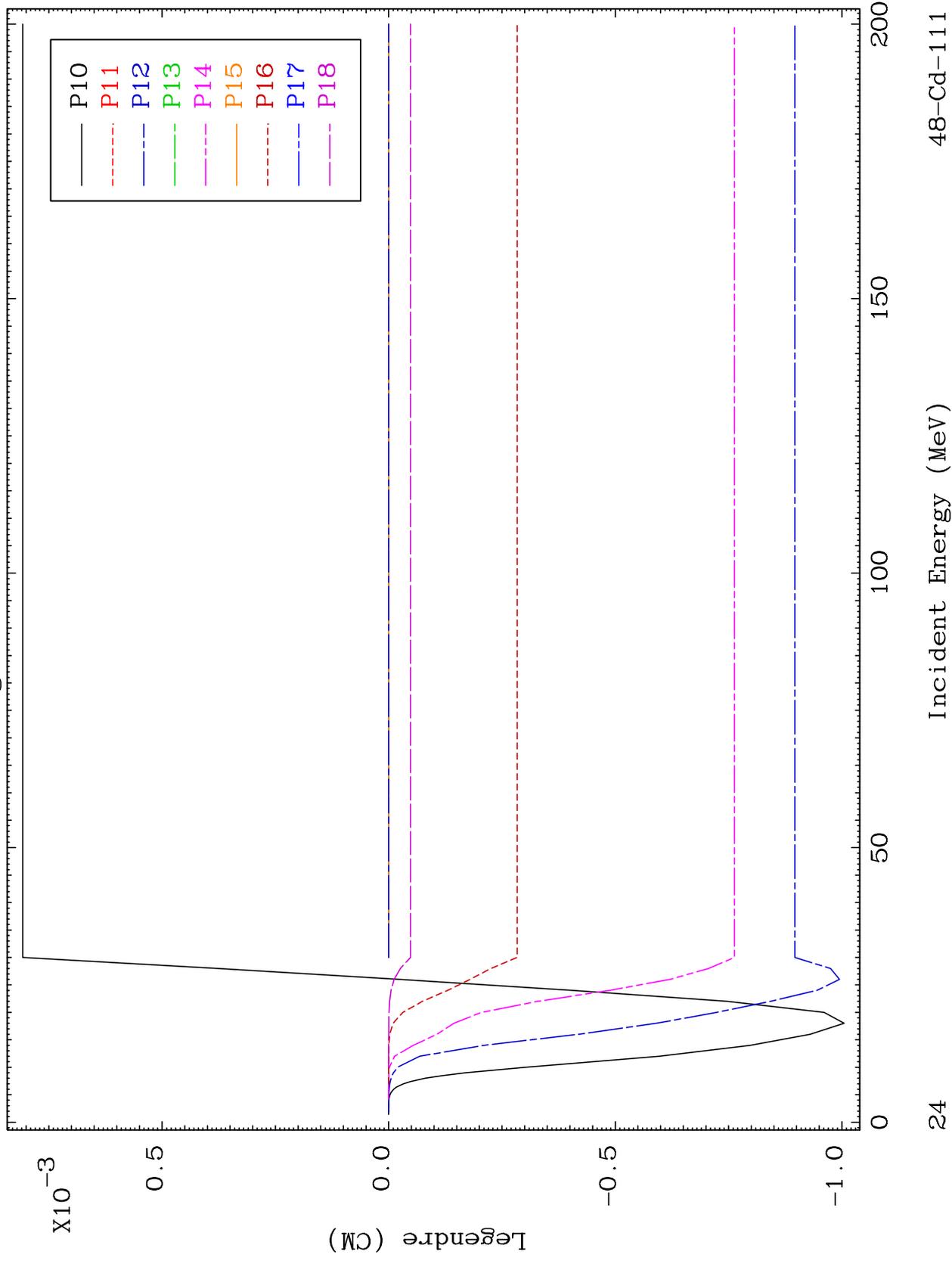


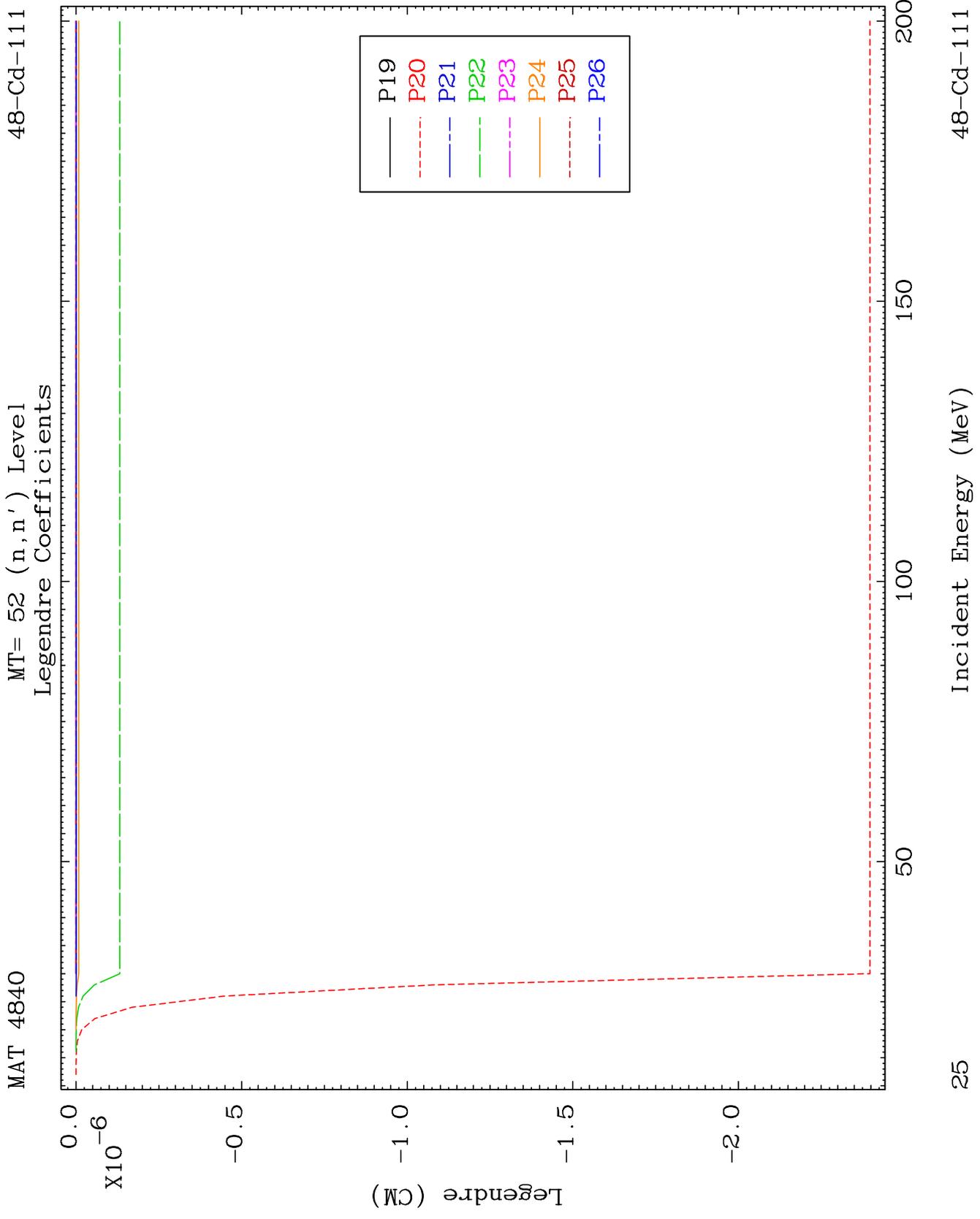


MAT 4840

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

48-Cd-111

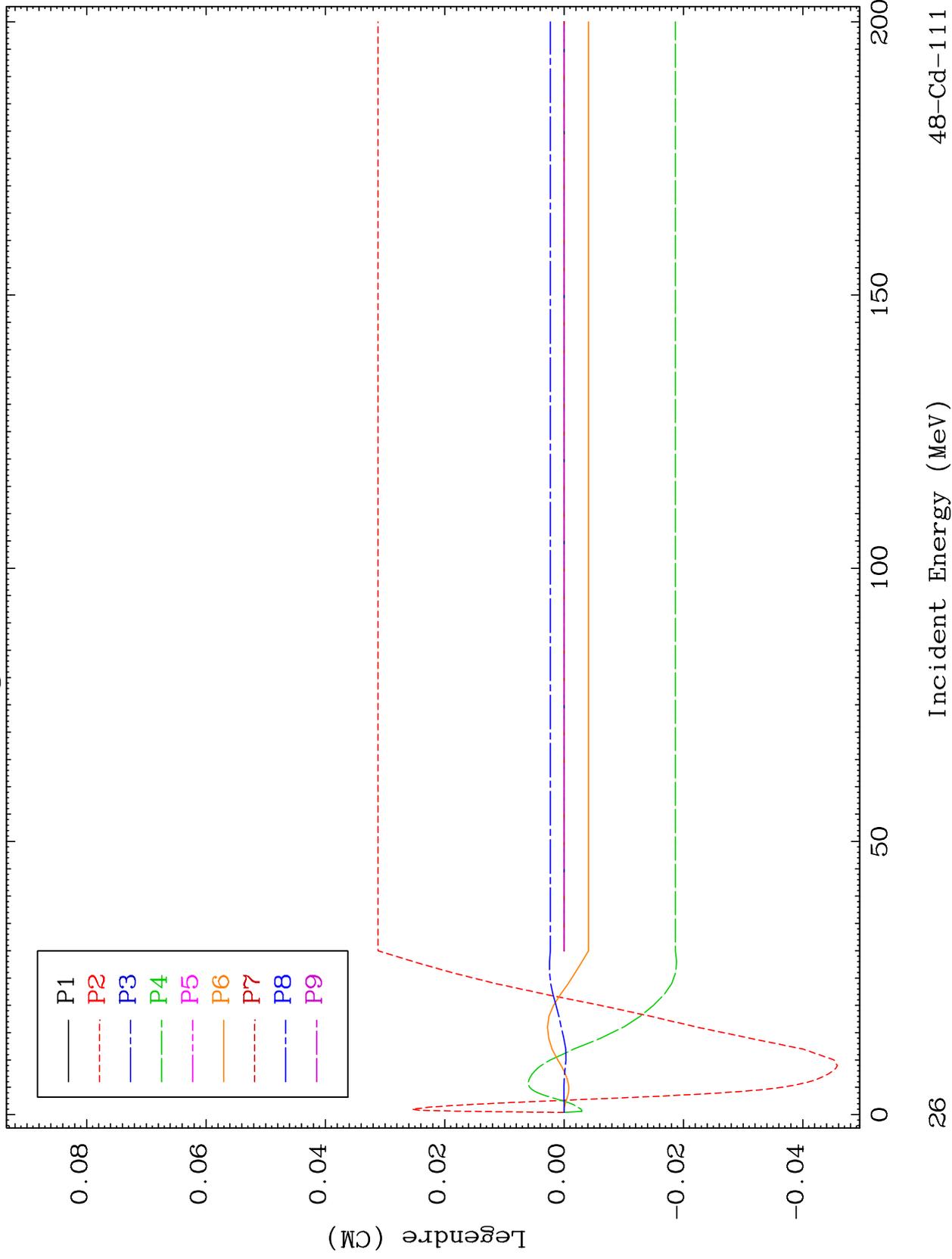




MAT 4840

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

48-Cd-111



48-Cd-111

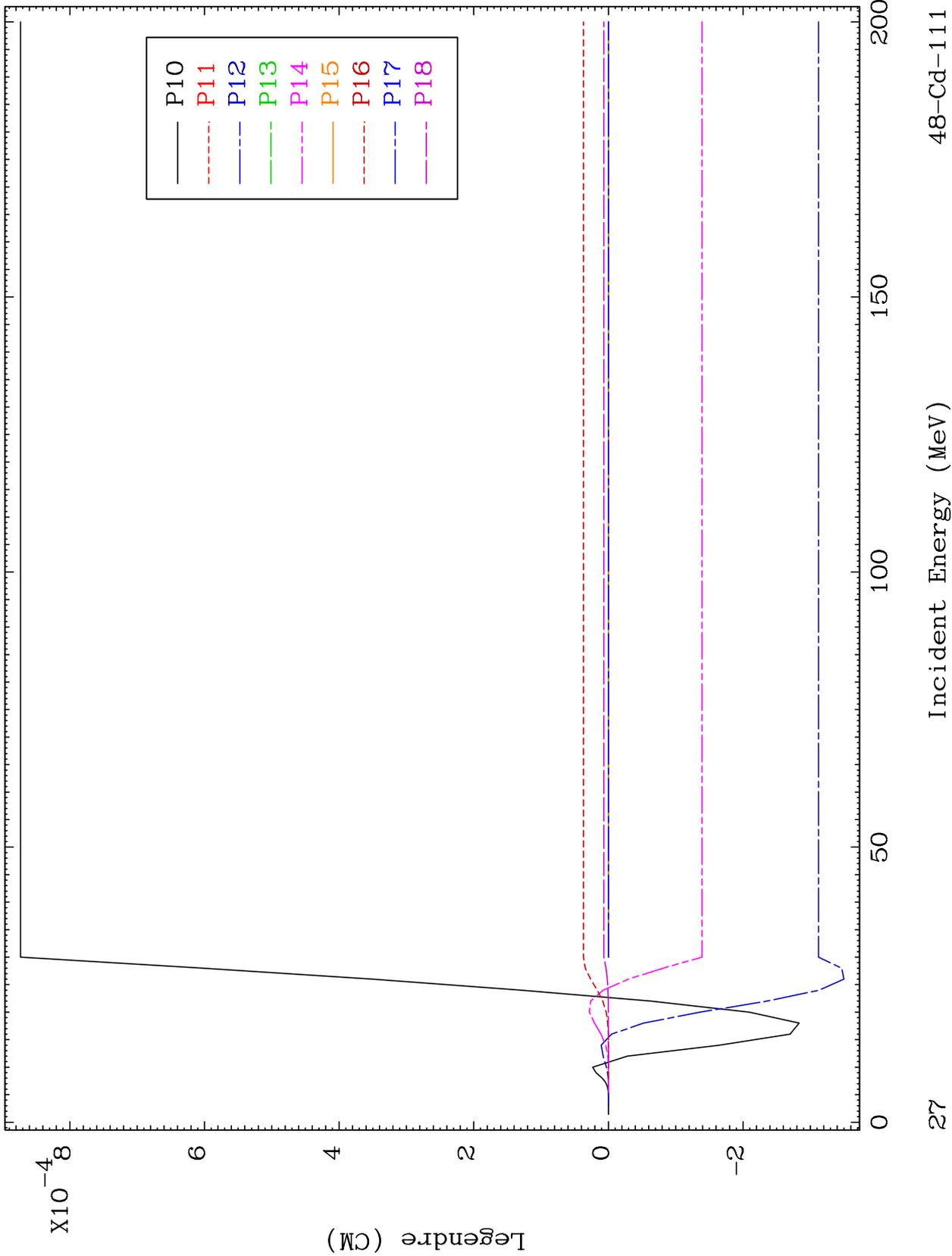
Incident Energy (MeV)

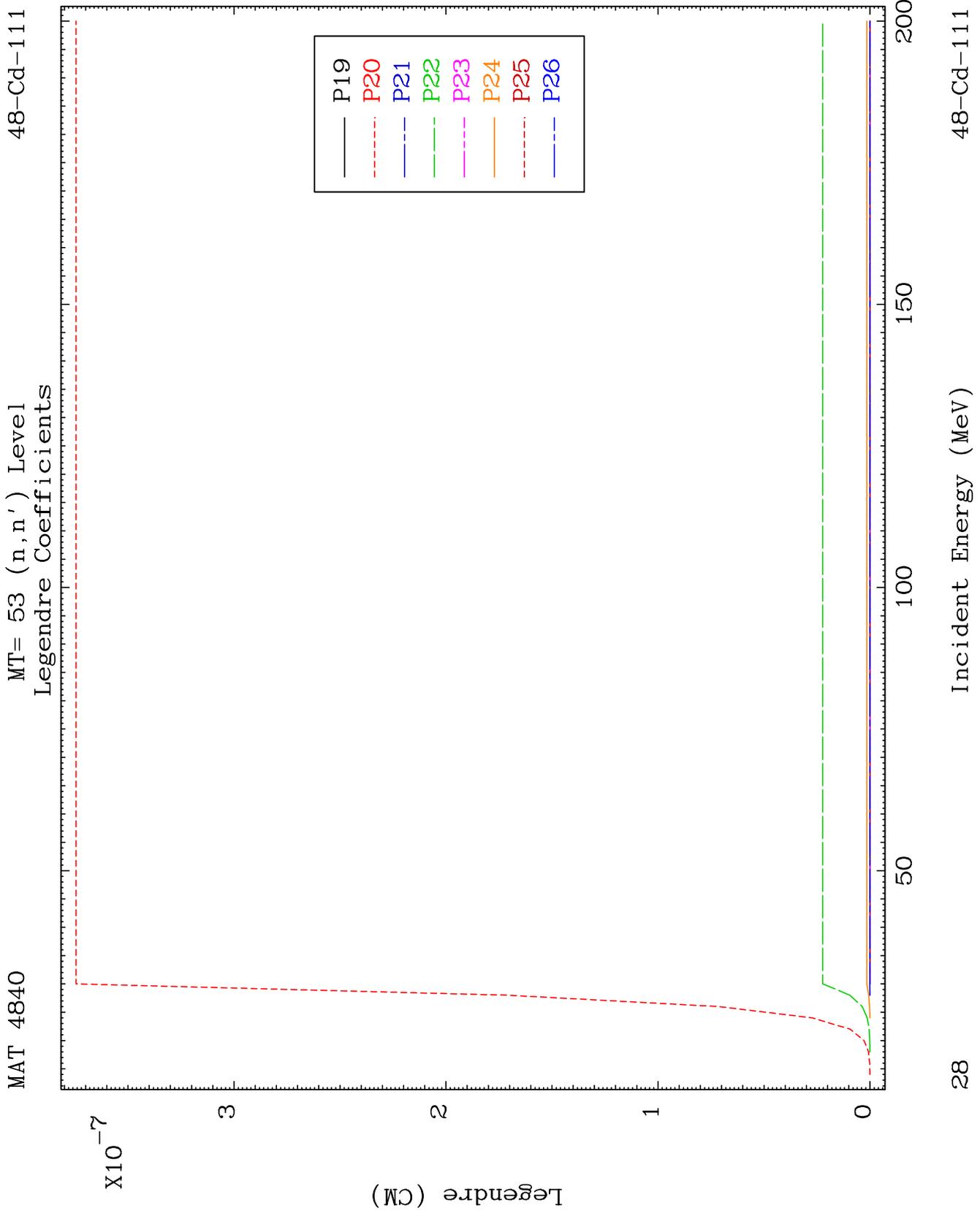
26

MAT 4840

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

48-Cd-111

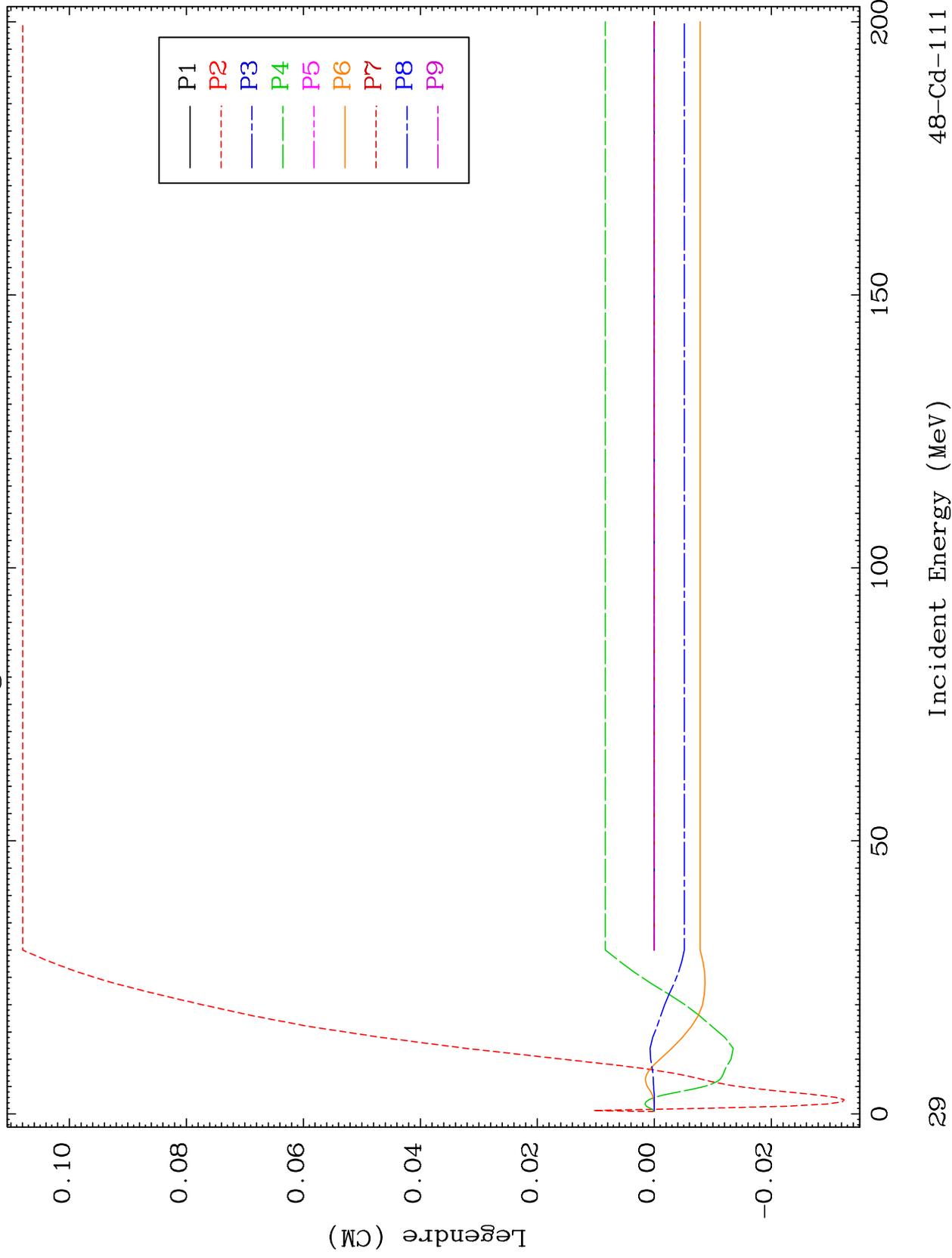




MAT 4840

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

48-Cd-111



29

Incident Energy (MeV)

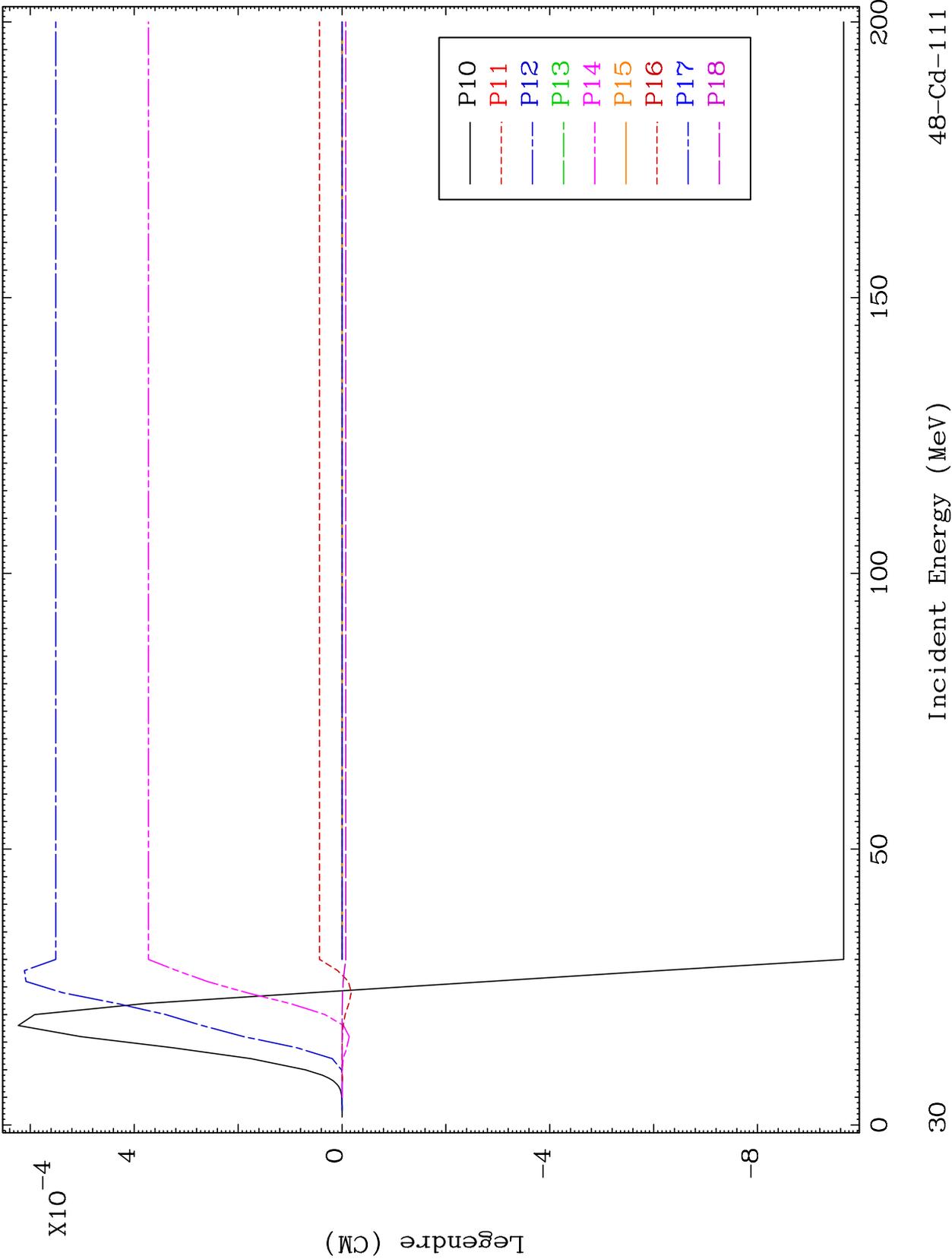
48-Cd-111

MAT 4840

MT= 54 (n,n') Level

48-Cd-111

Legendre Coefficients



48-Cd-111

Incident Energy (MeV)

30

0

50

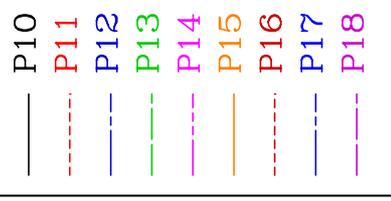
100

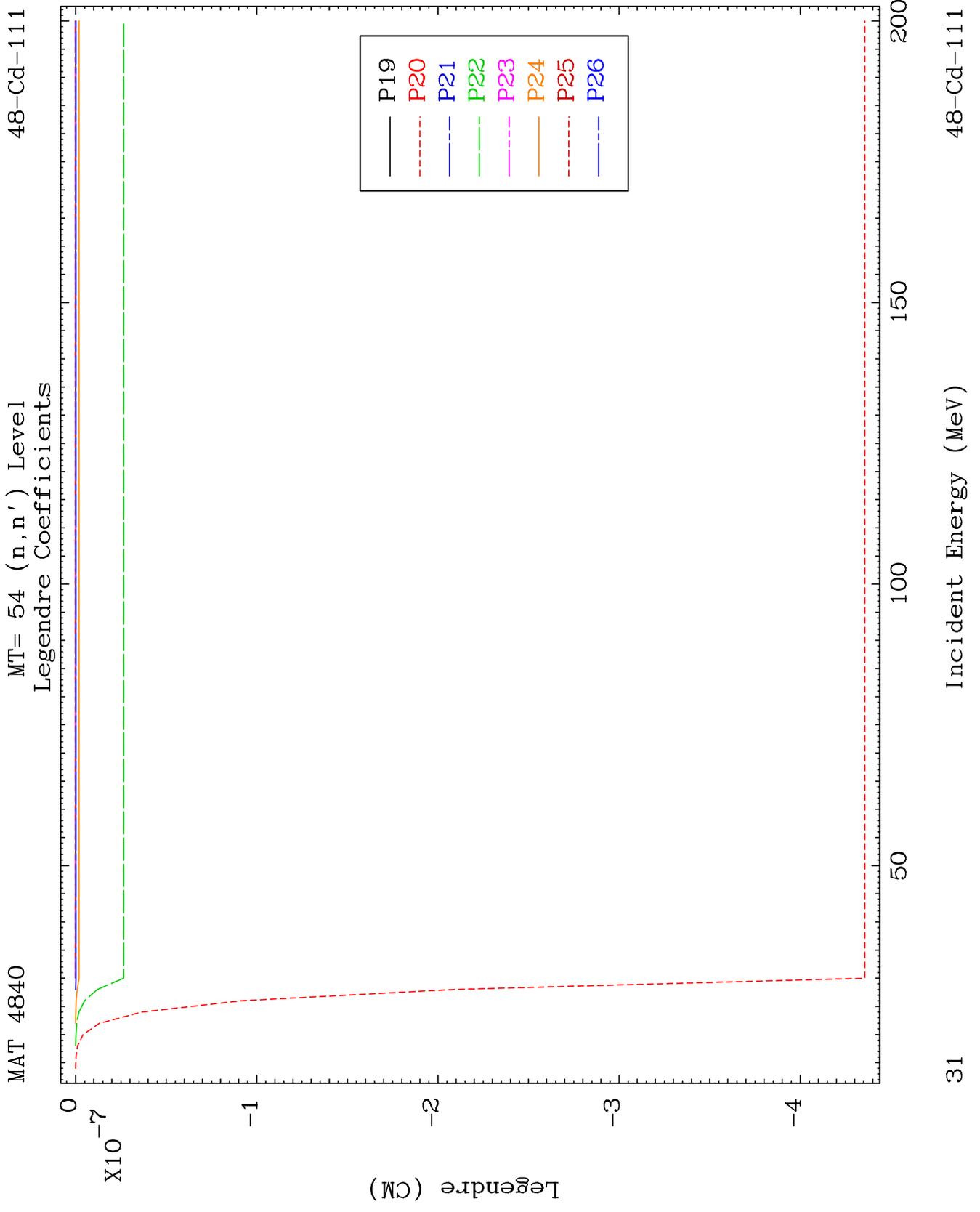
150

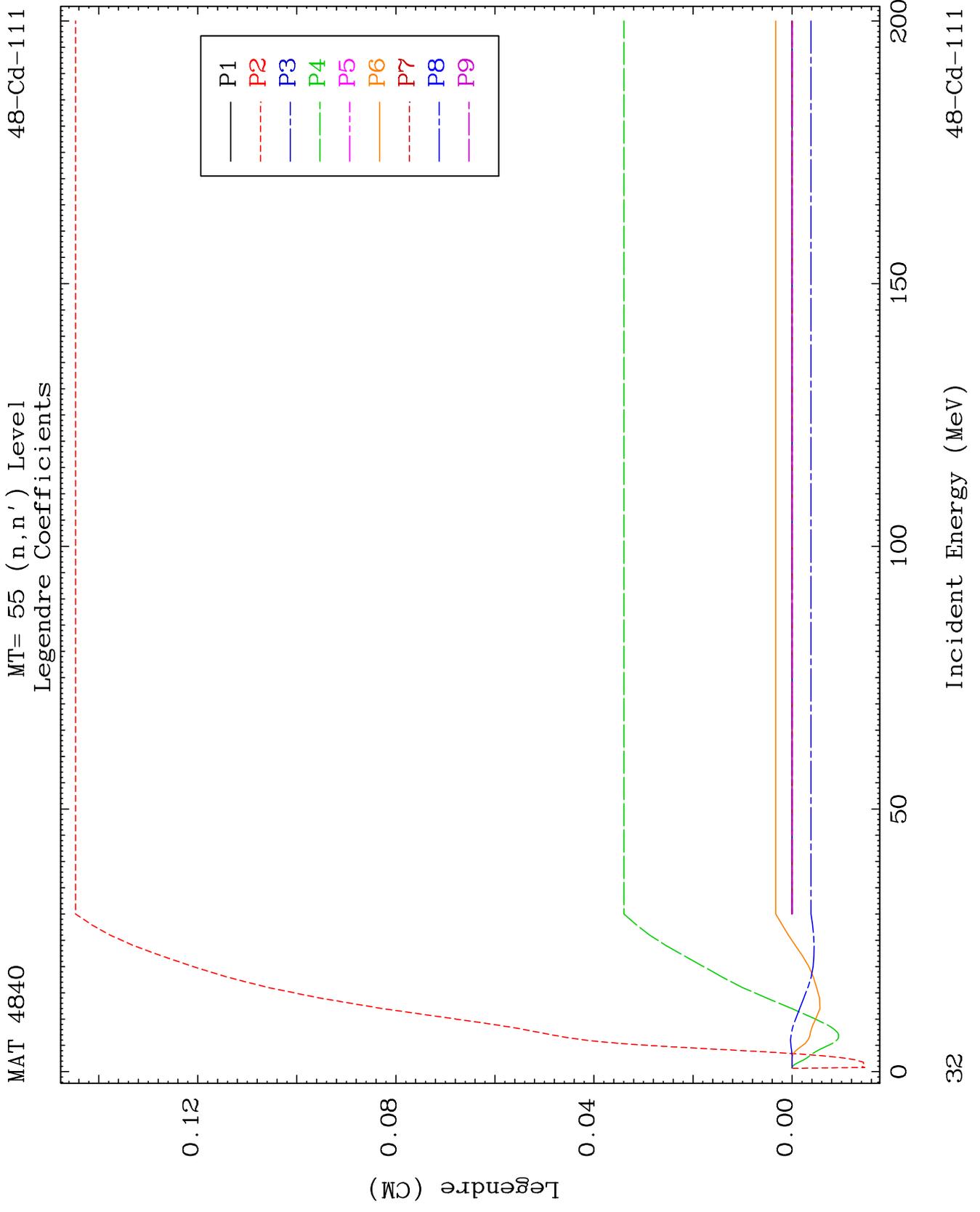
200

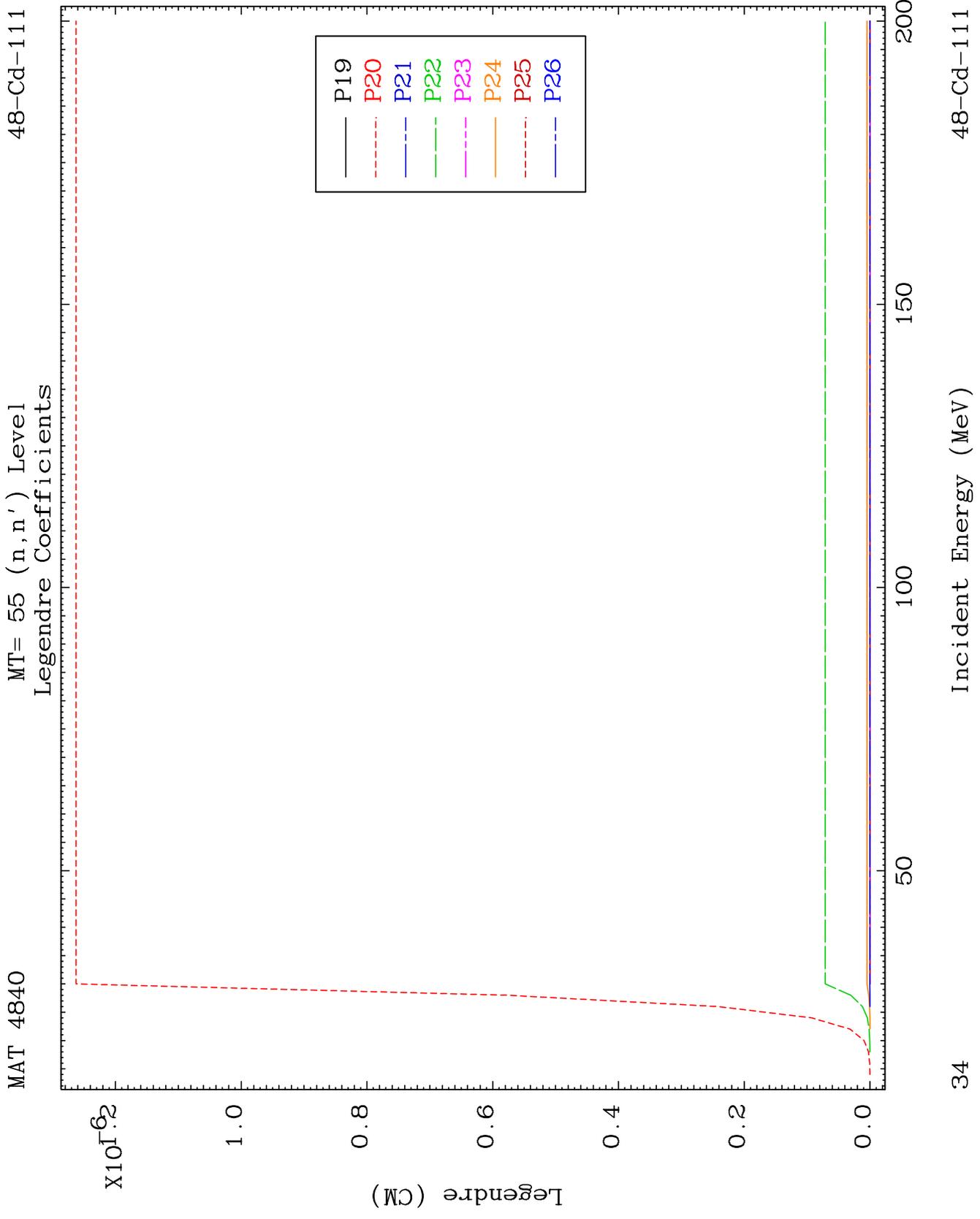
10^{-4}

Legendre (CM)





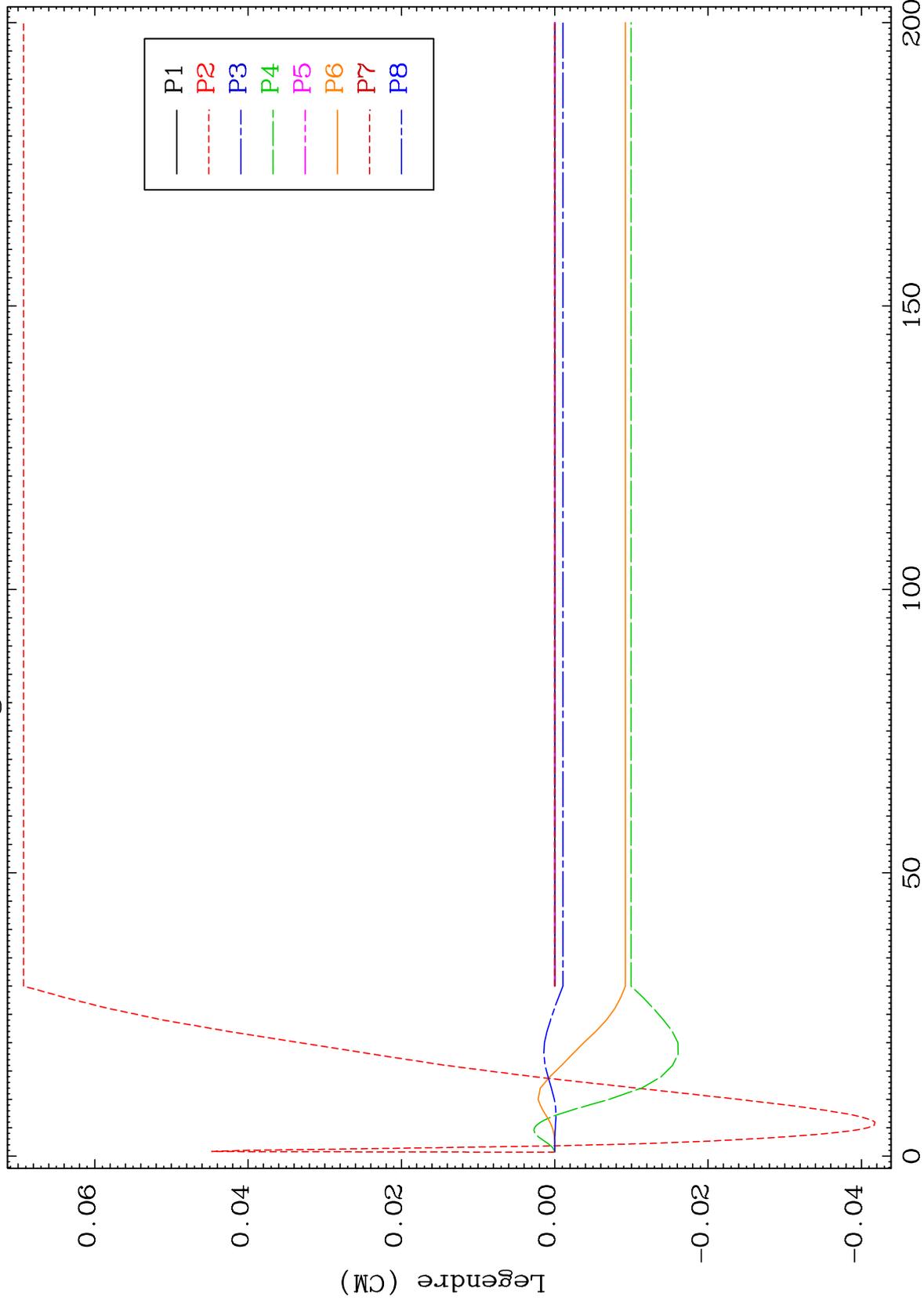




MAT 4840

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

48-Cd-111



35

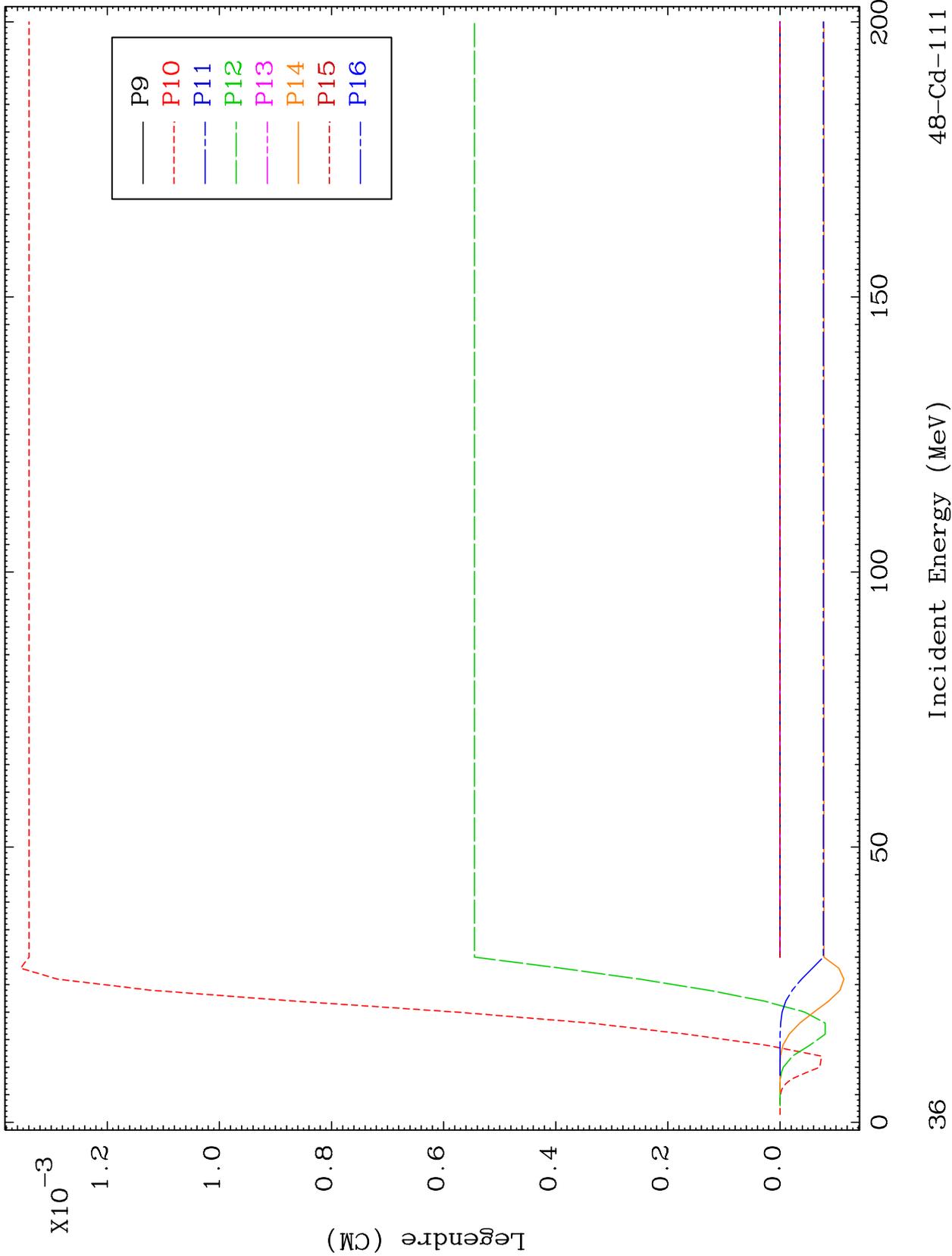
Incident Energy (MeV)

48-Cd-111

MAT 4840

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

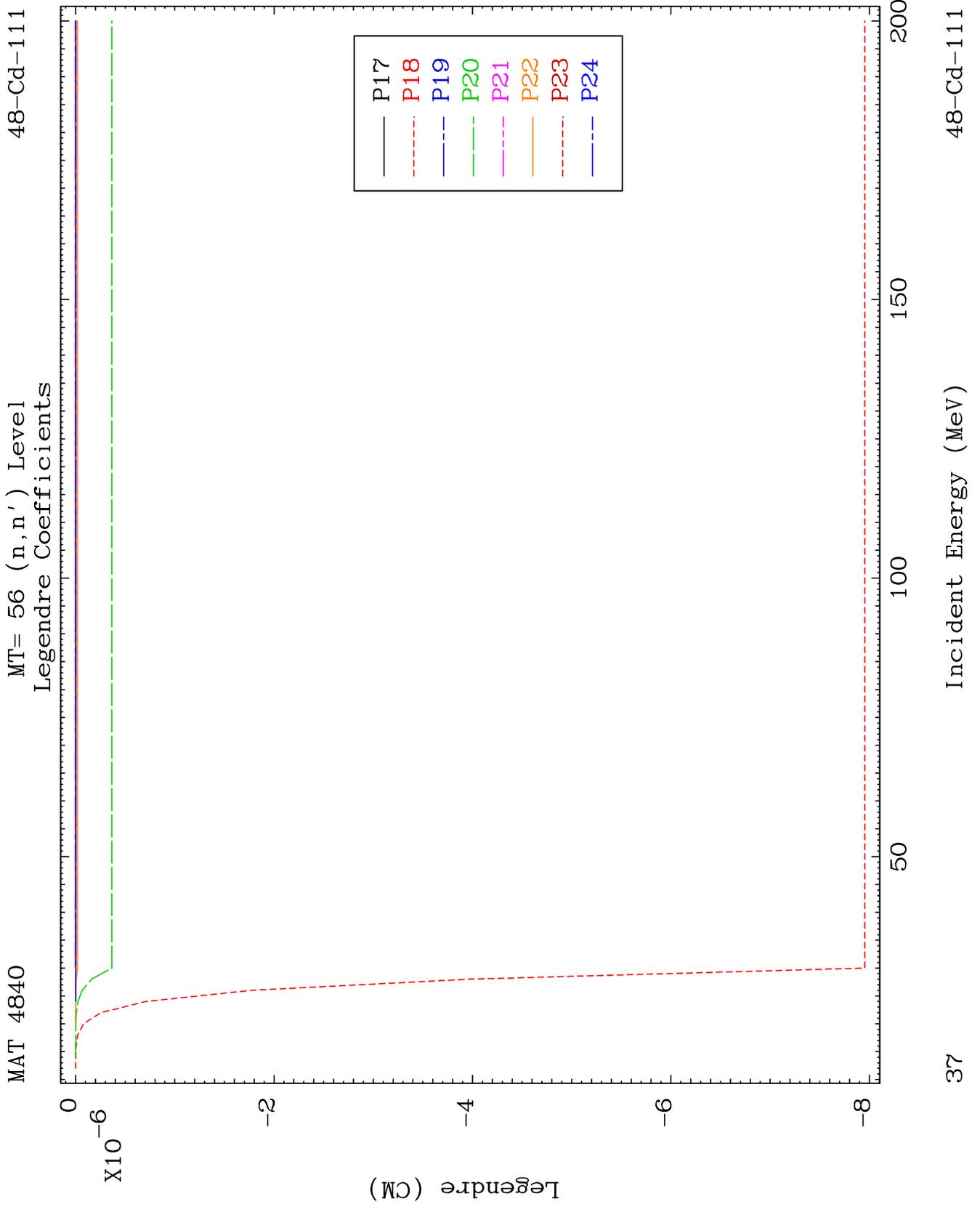
48-Cd-111



36

Incident Energy (MeV)

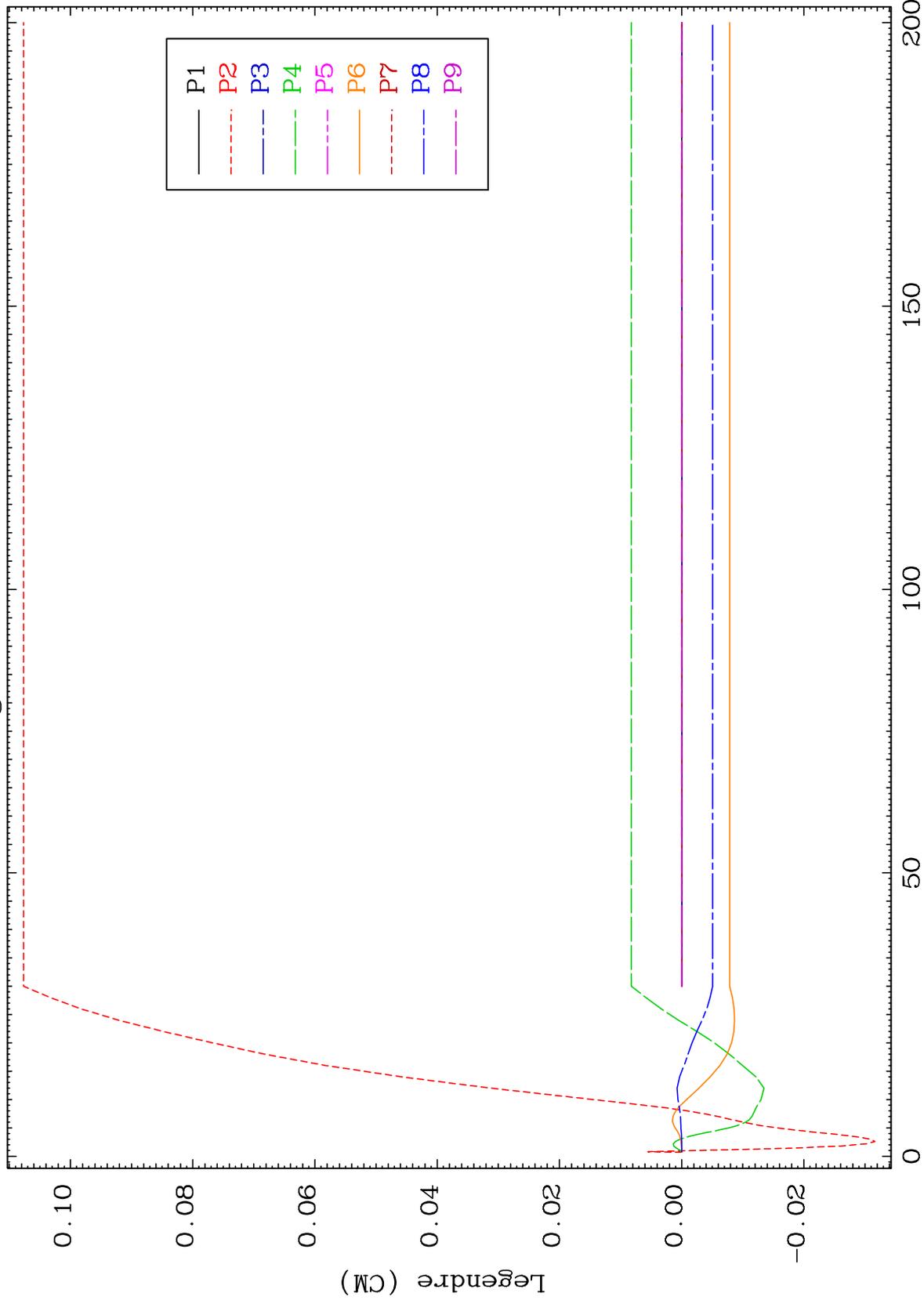
48-Cd-111



MAT 4840

MT= 57 (n,n') Level
Legendre Coefficients

48-Cd-111



48-Cd-111

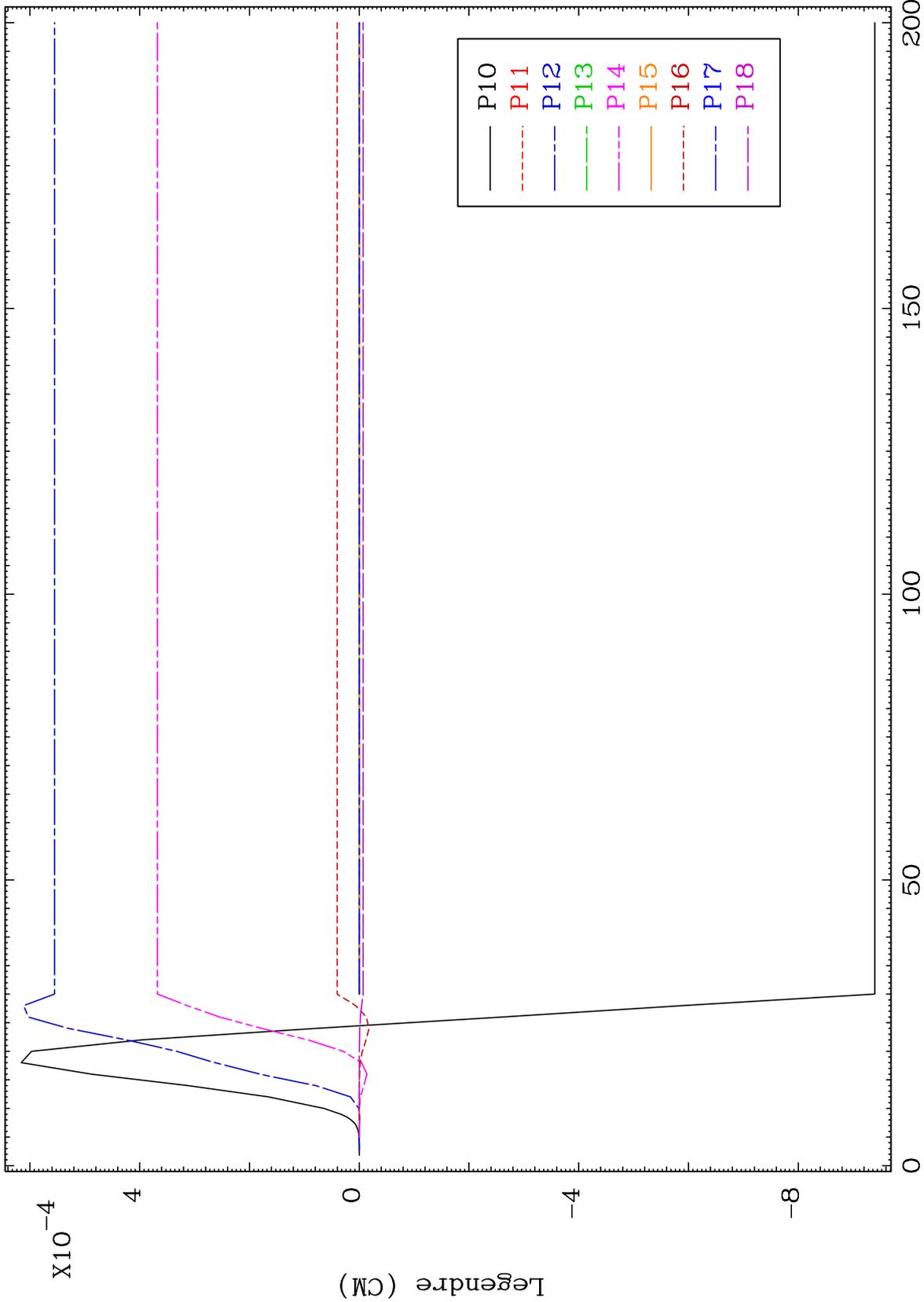
Incident Energy (MeV)

38

MAT 4840

MT= 57 (n,n') Level
Legendre Coefficients

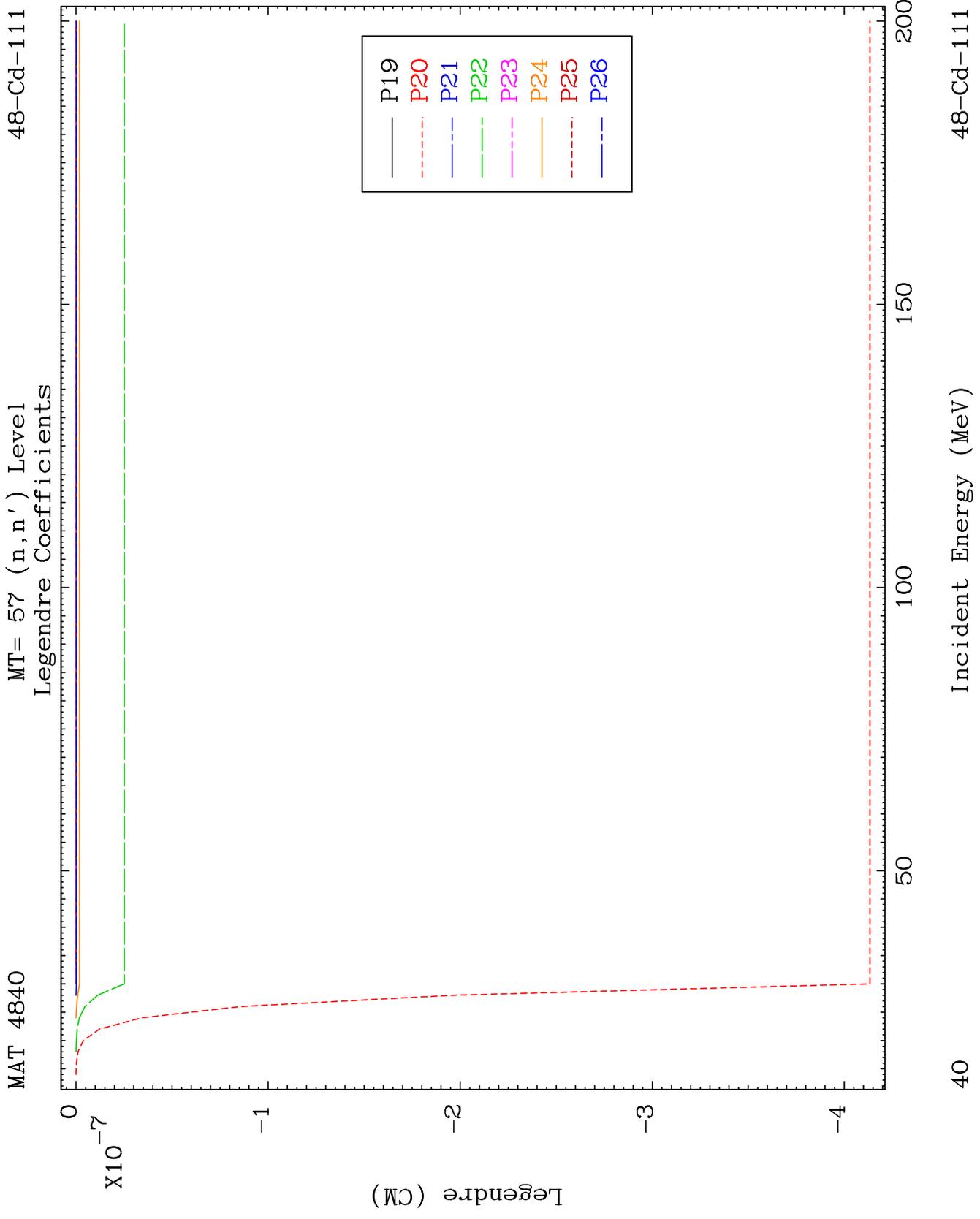
48-Cd-111



39

Incident Energy (MeV)

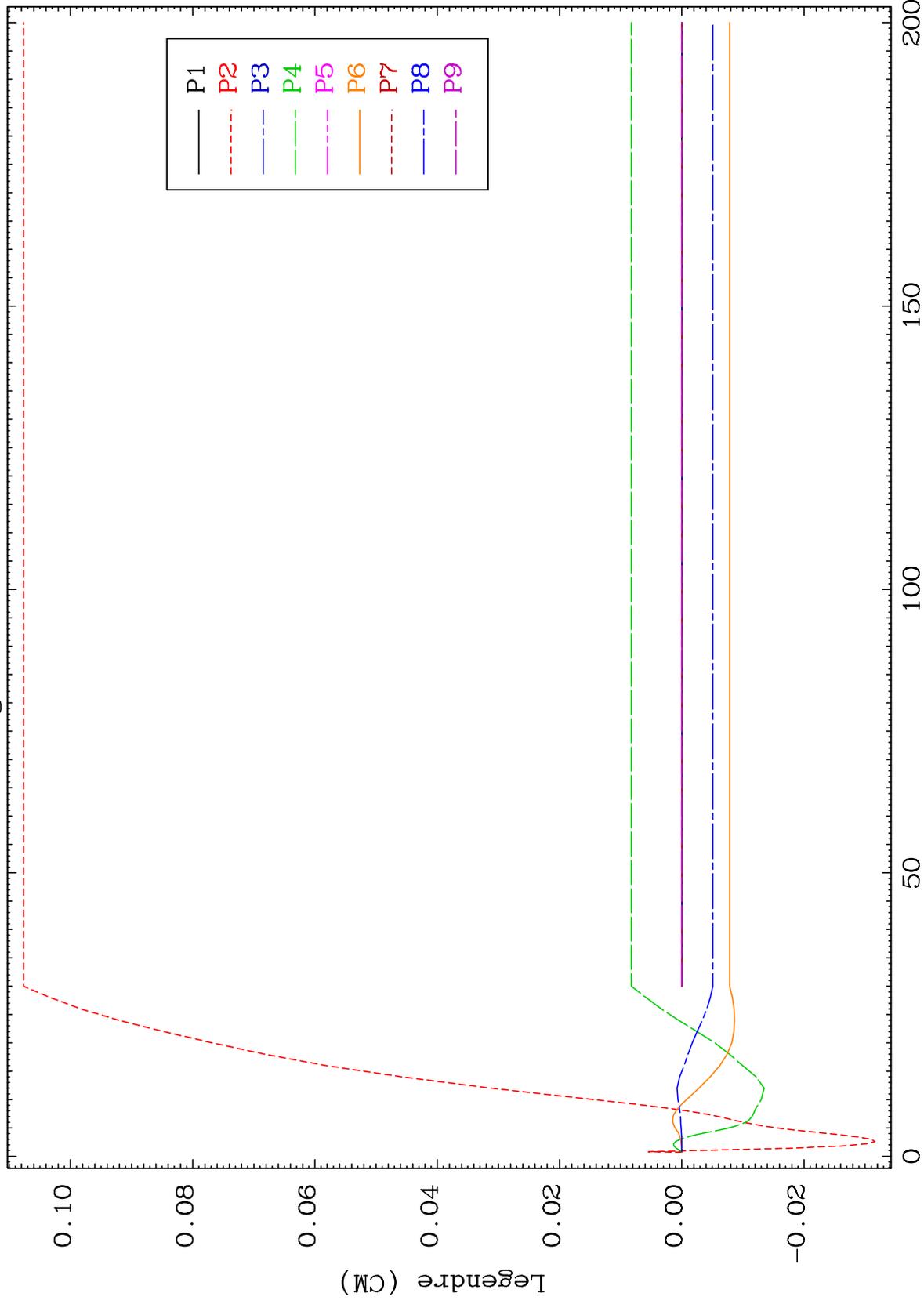
48-Cd-111



MAT 4840

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

48-Cd-111



48-Cd-111

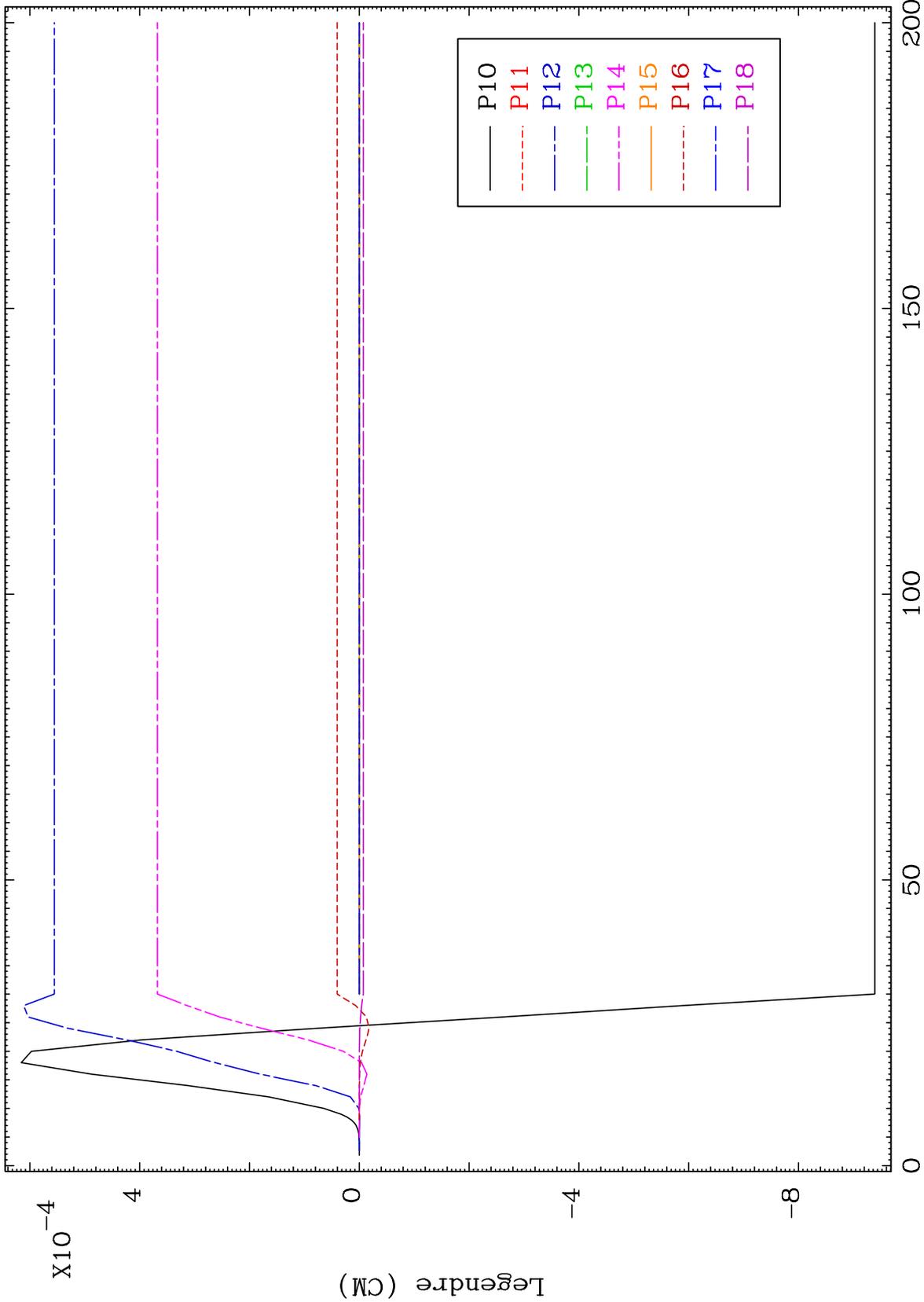
Incident Energy (MeV)

41

MAT 4840

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

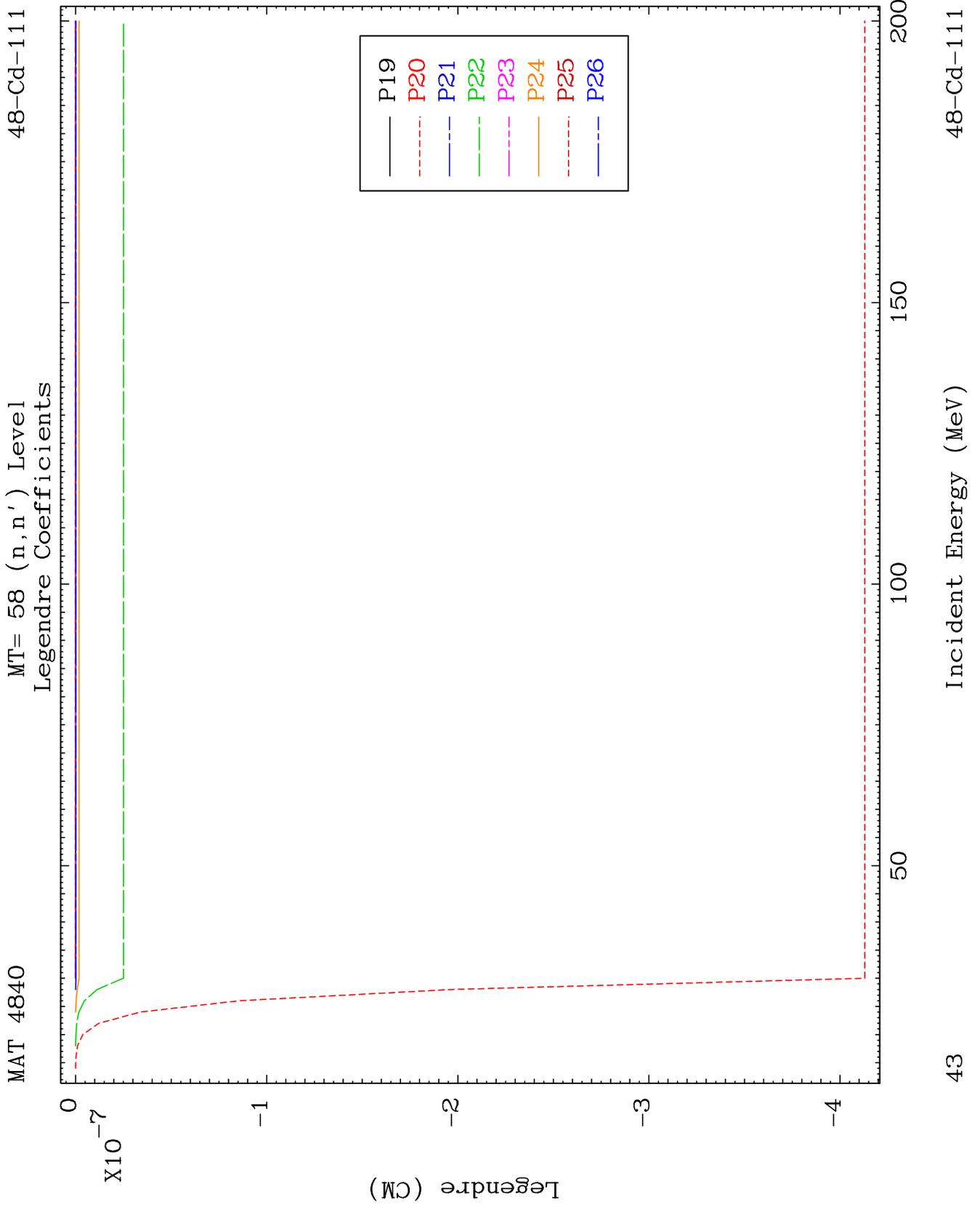
48-Cd-111

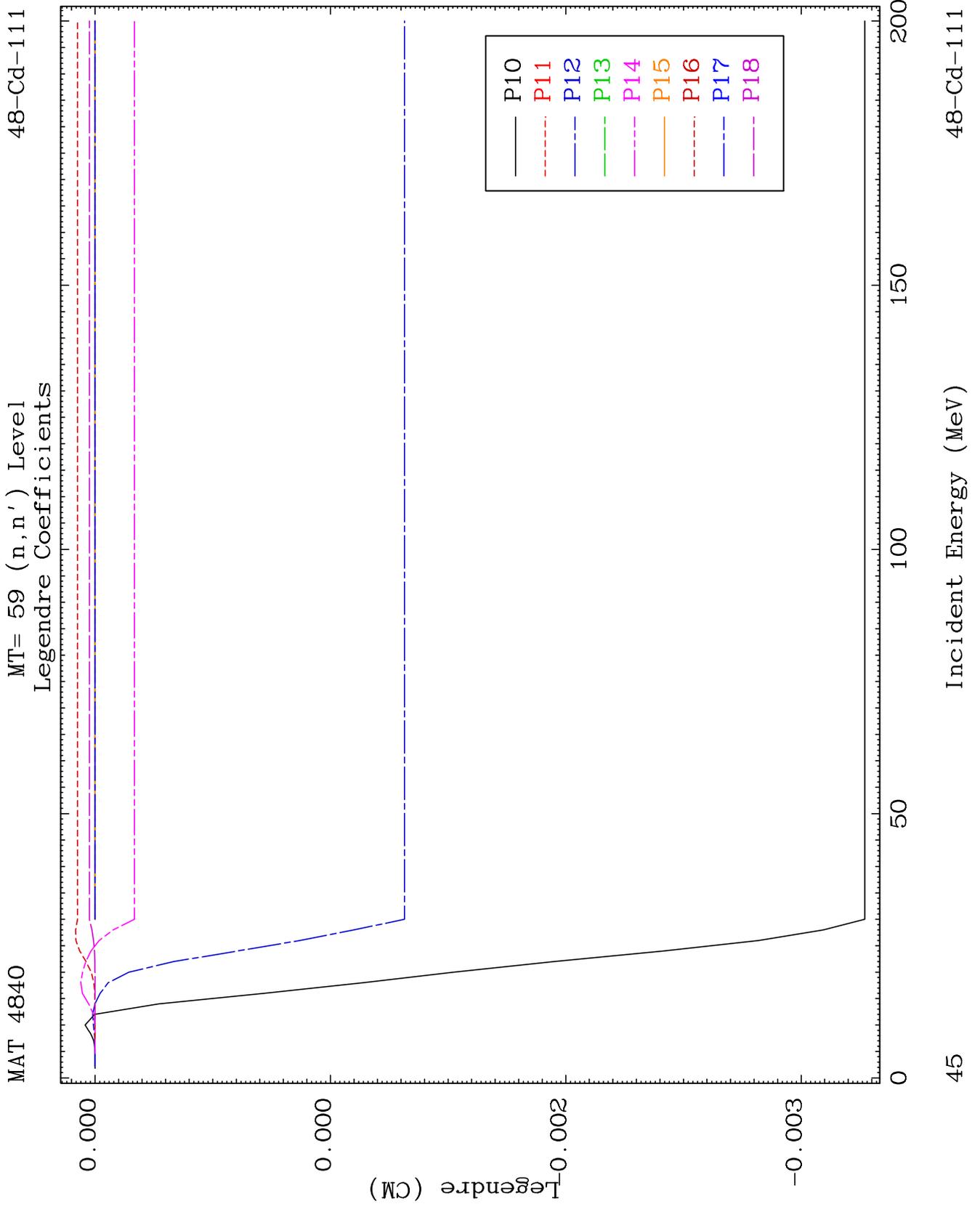


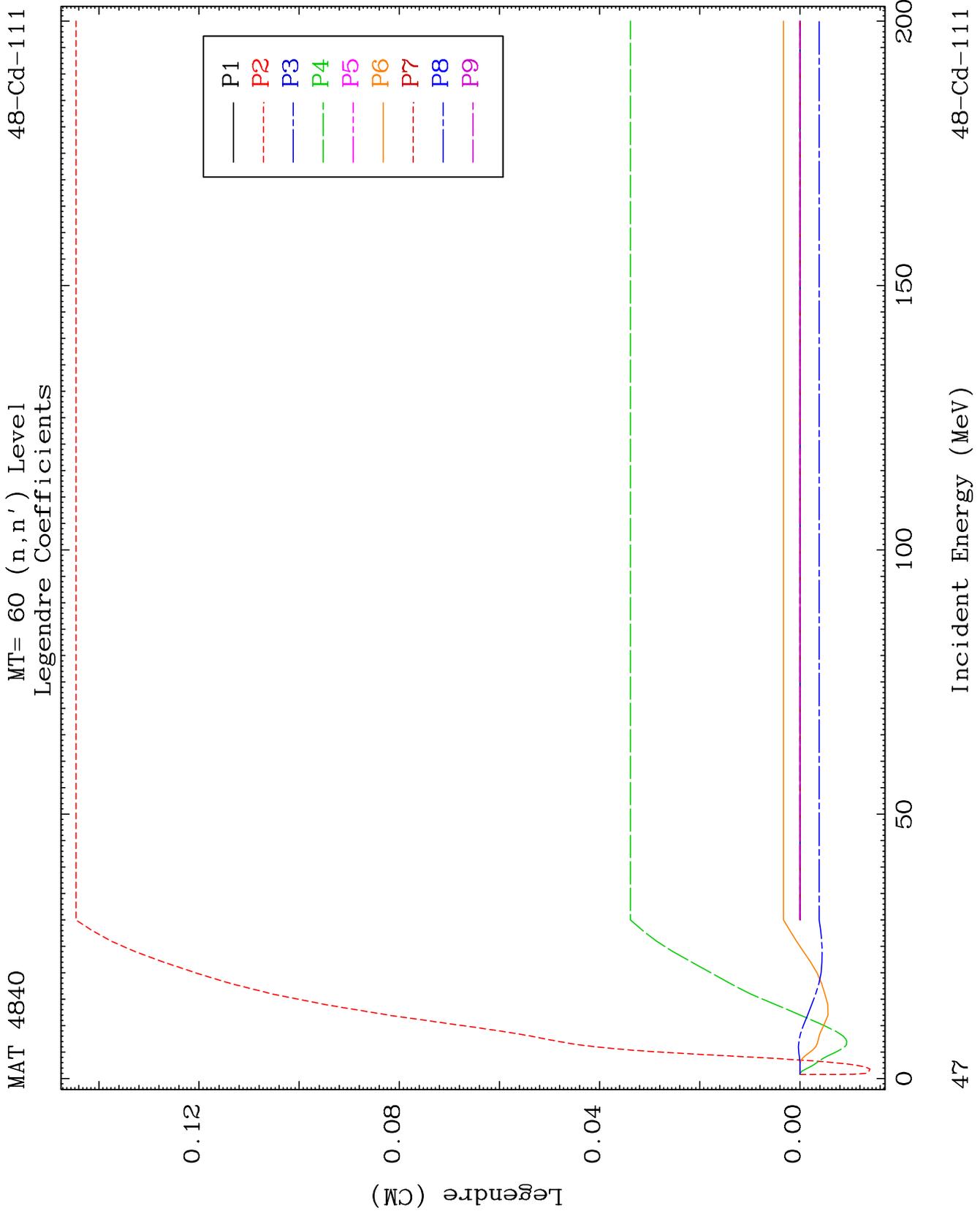
42

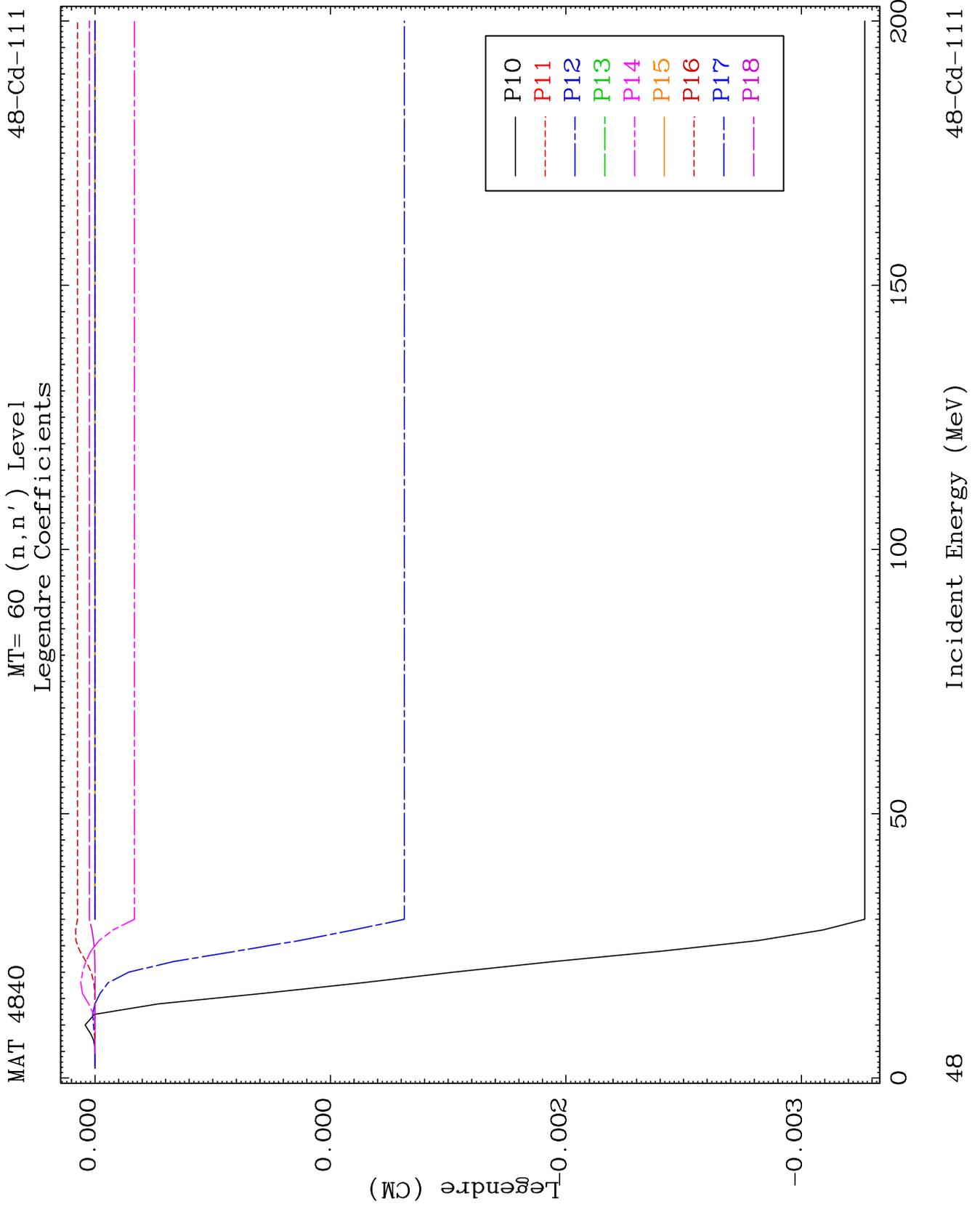
Incident Energy (MeV)

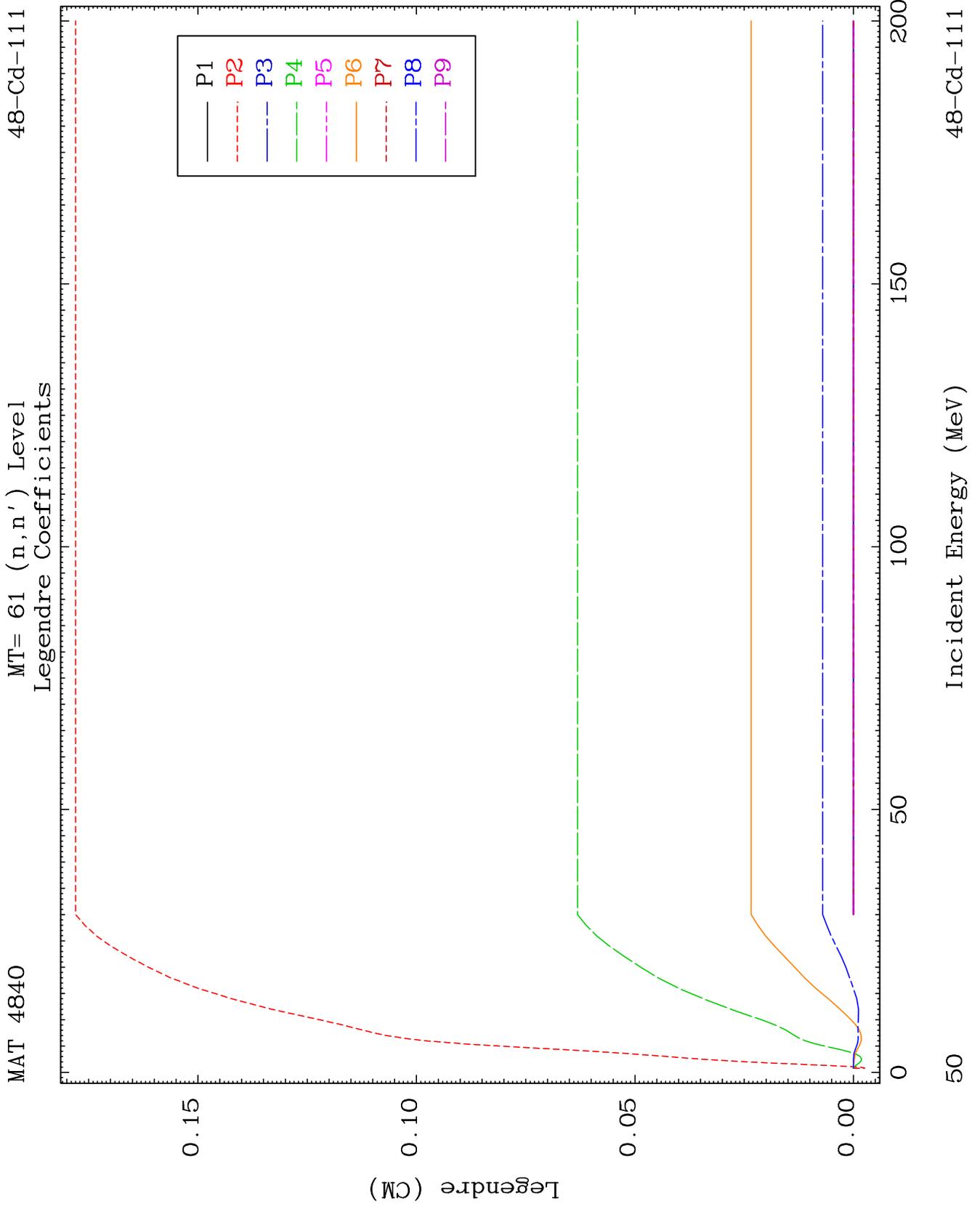
48-Cd-111







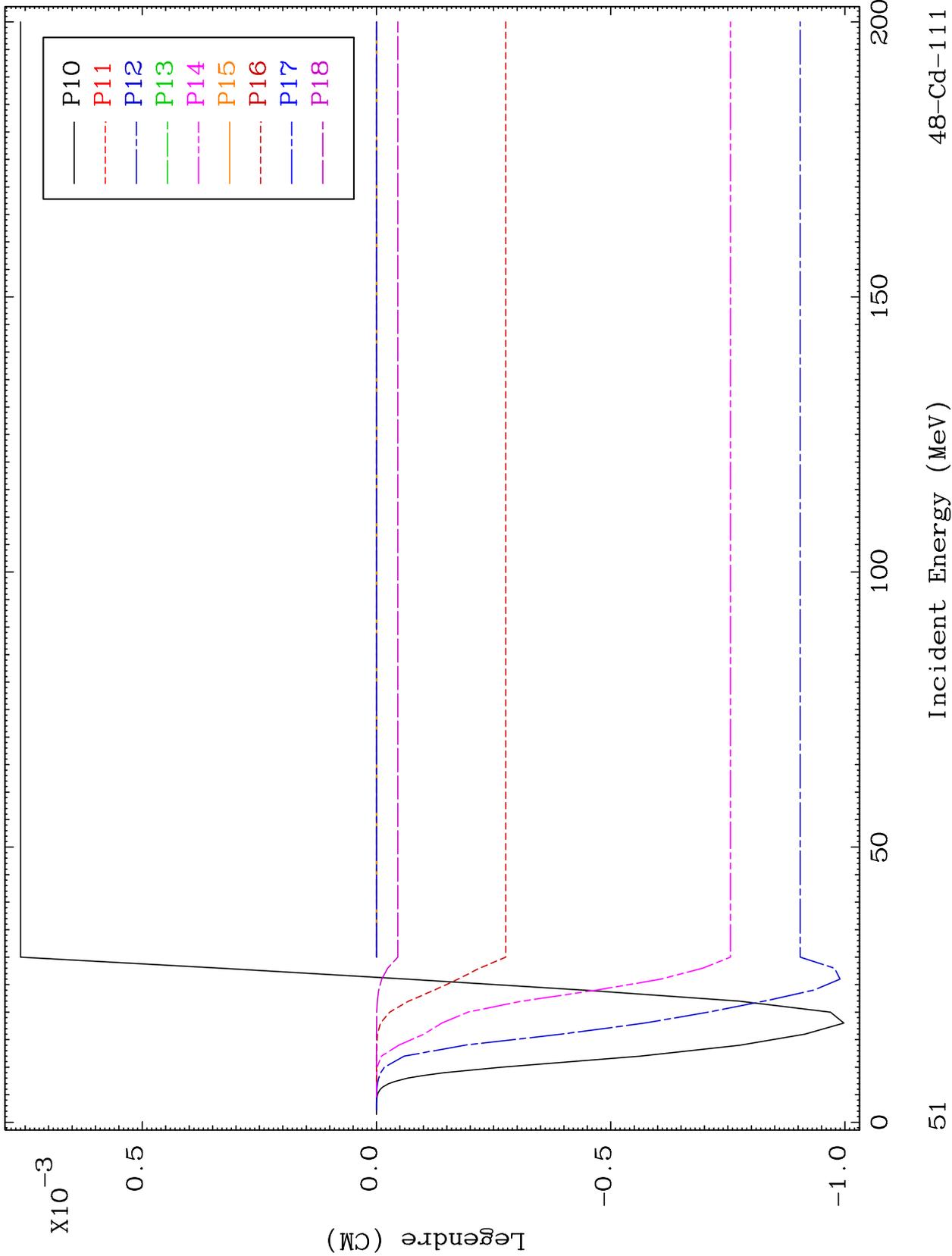


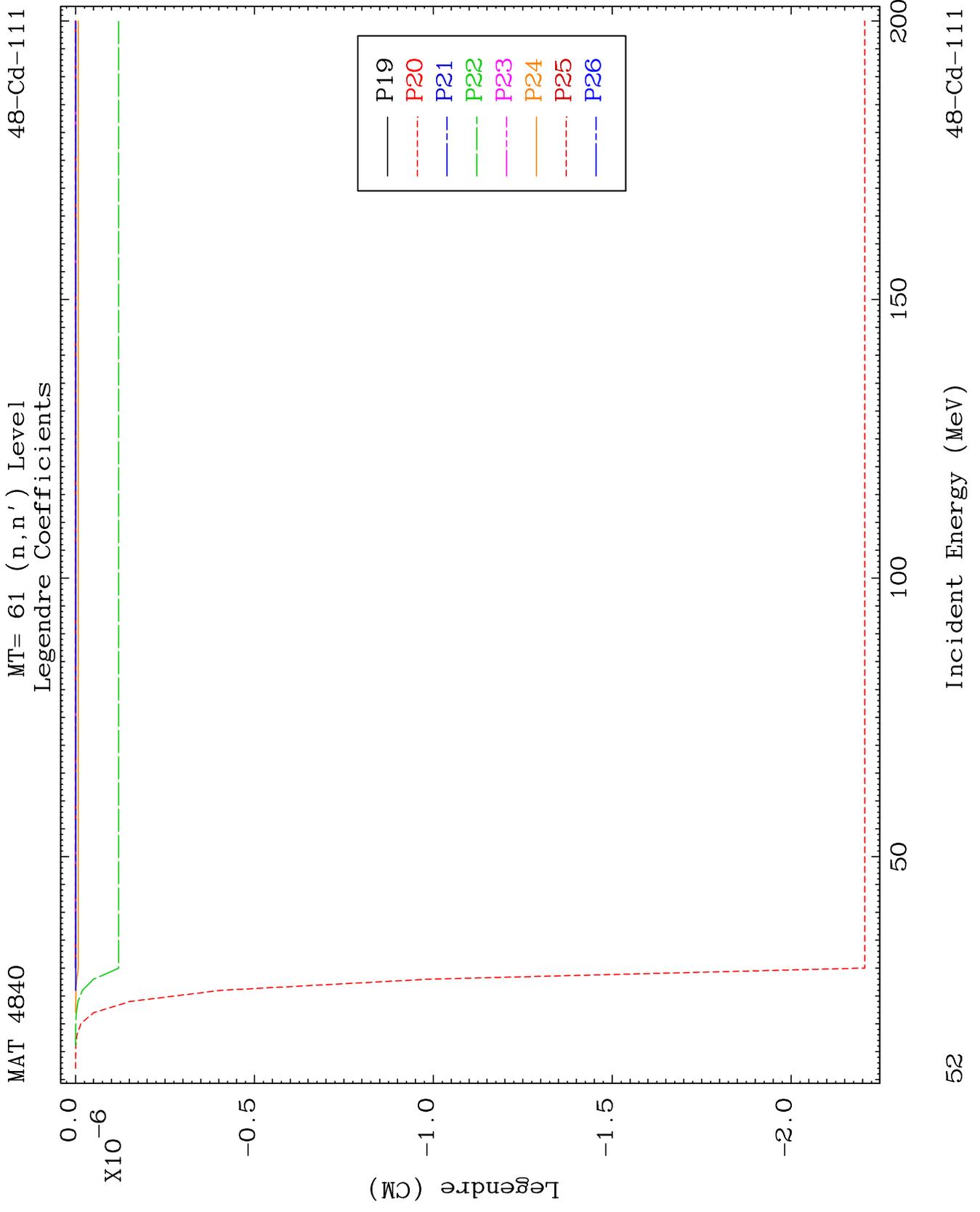


MAT 4840

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

48-Cd-111

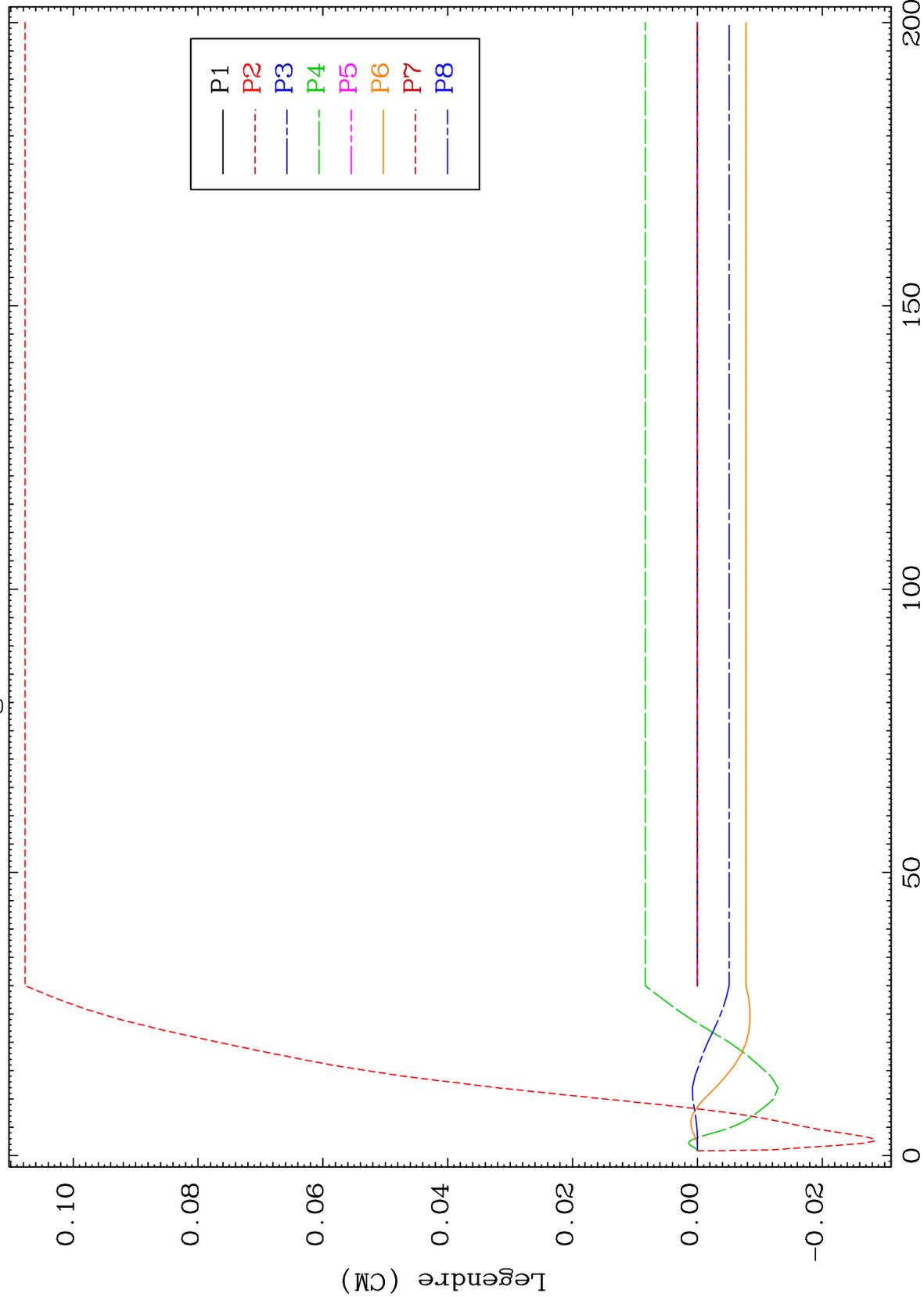




MAT 4840

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

48-Cd-111



53

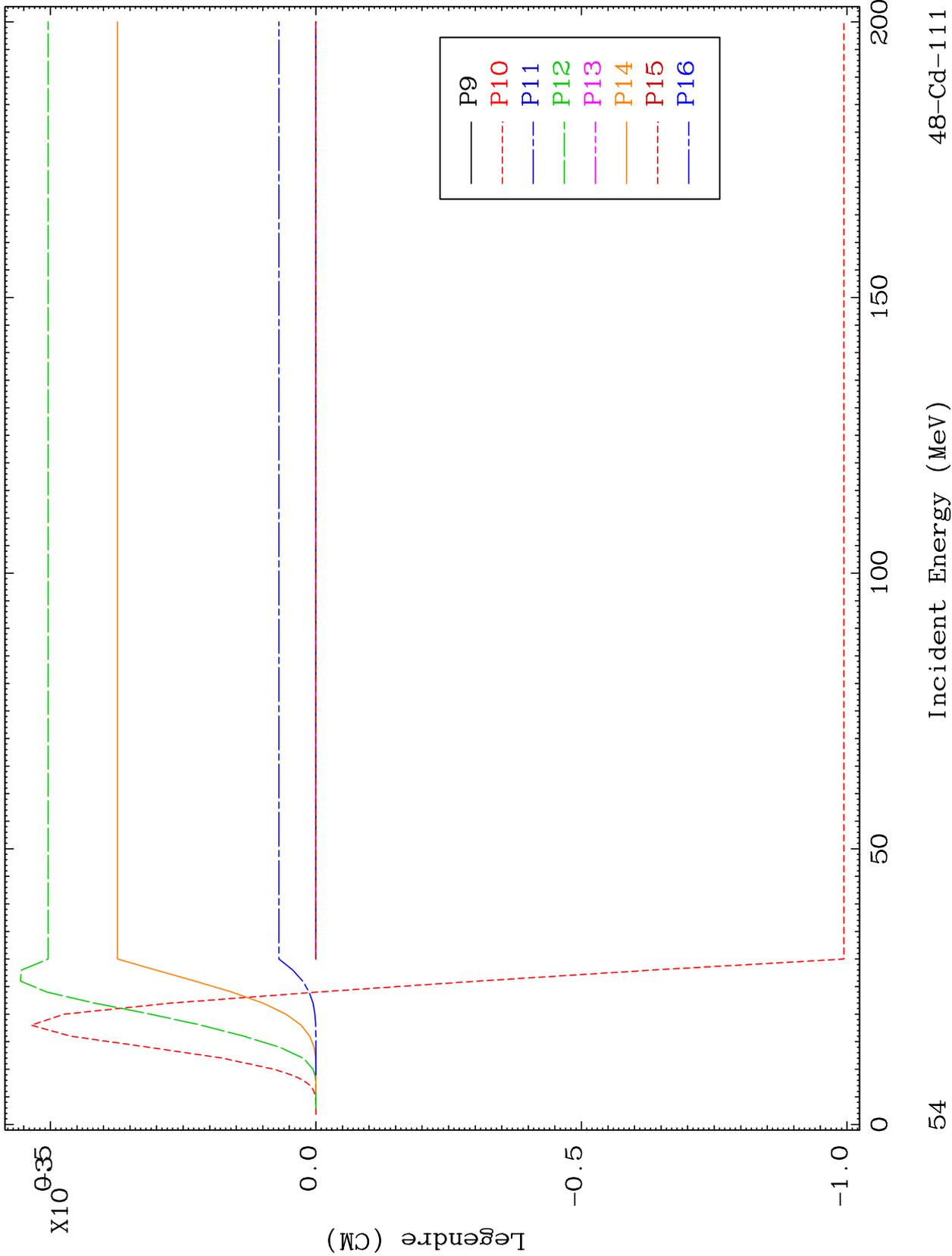
Incident Energy (MeV)

48-Cd-111

MAT 4840

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

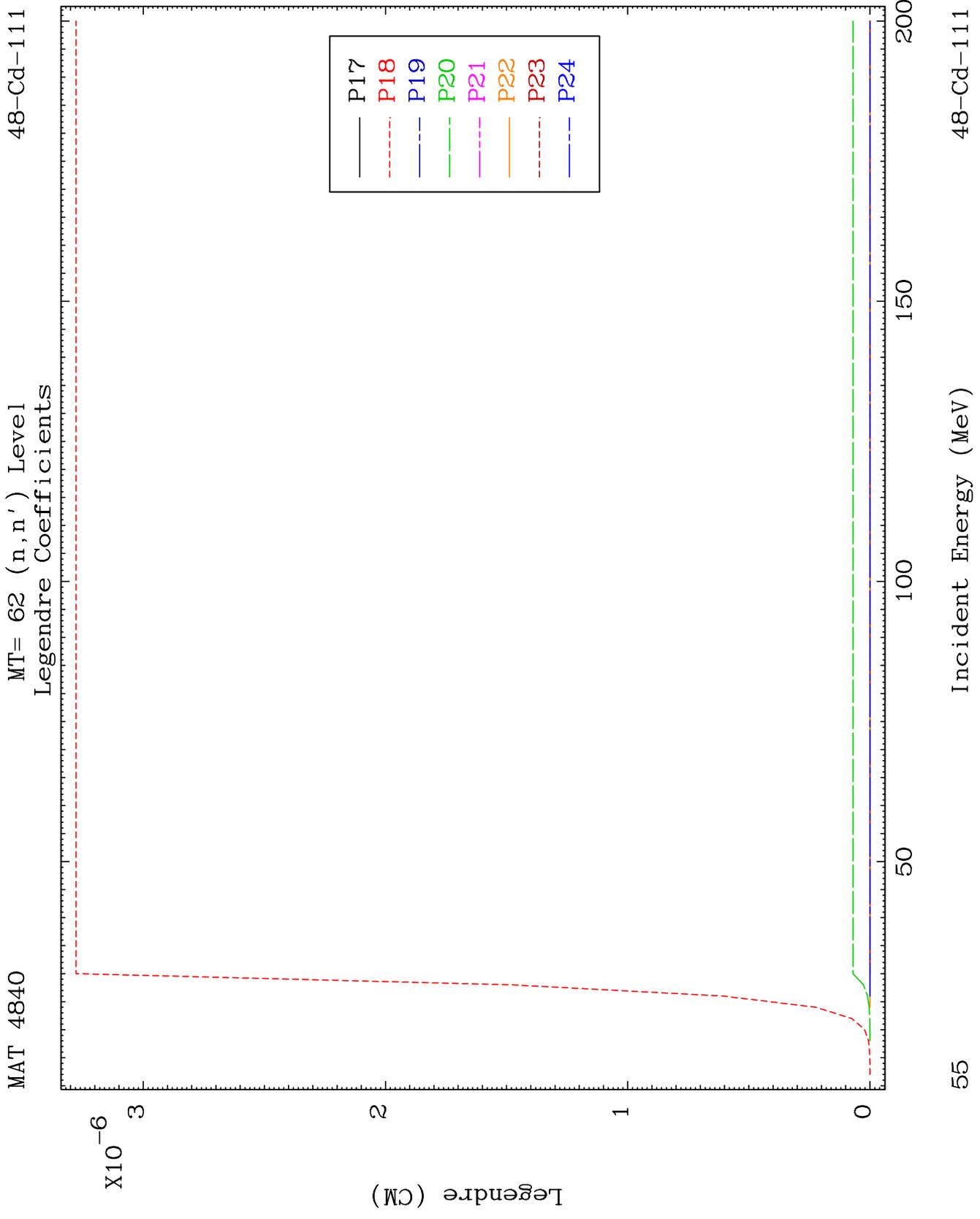
48-Cd-111



54

Incident Energy (MeV)

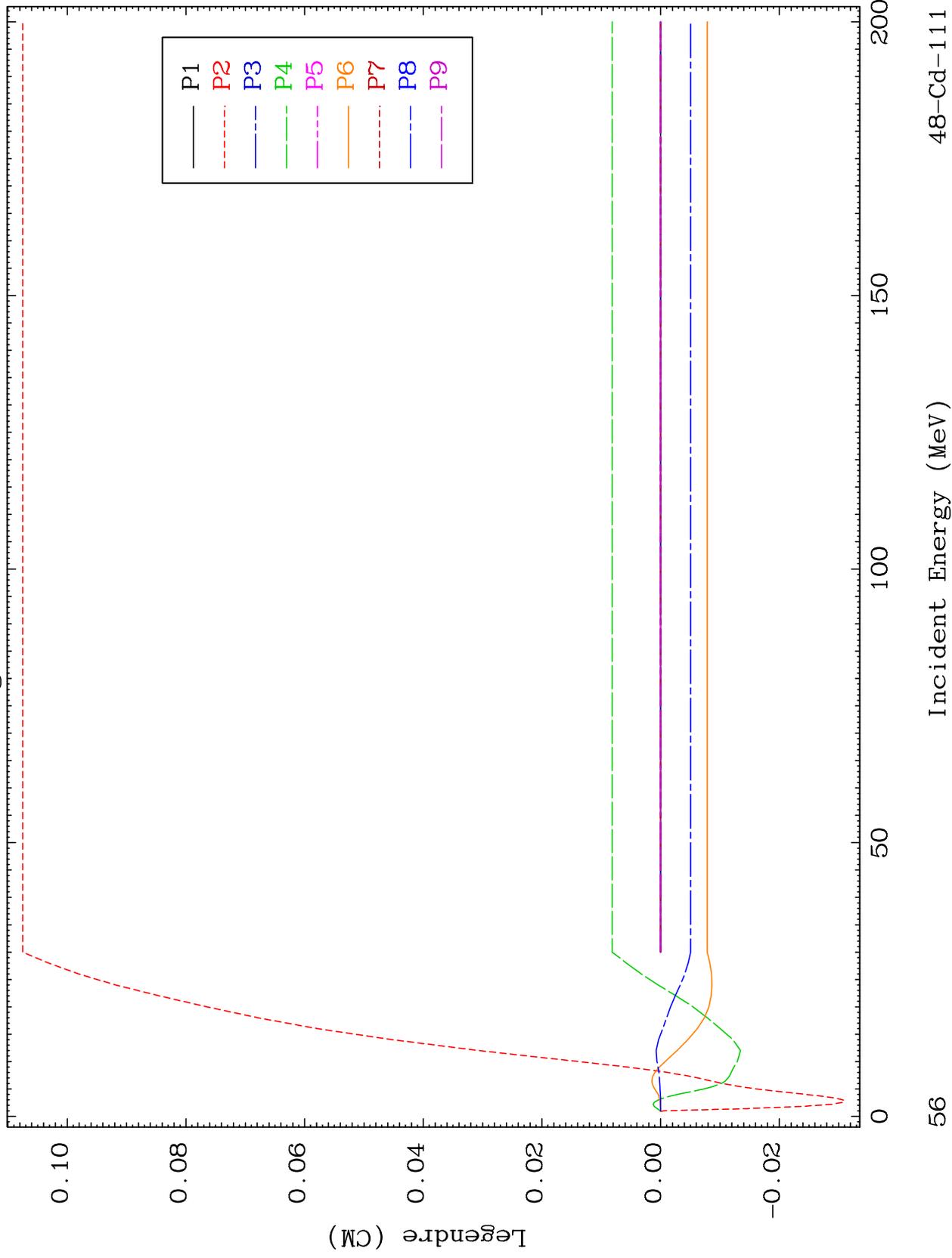
48-Cd-111



MAT 4840

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

48-Cd-111



48-Cd-111

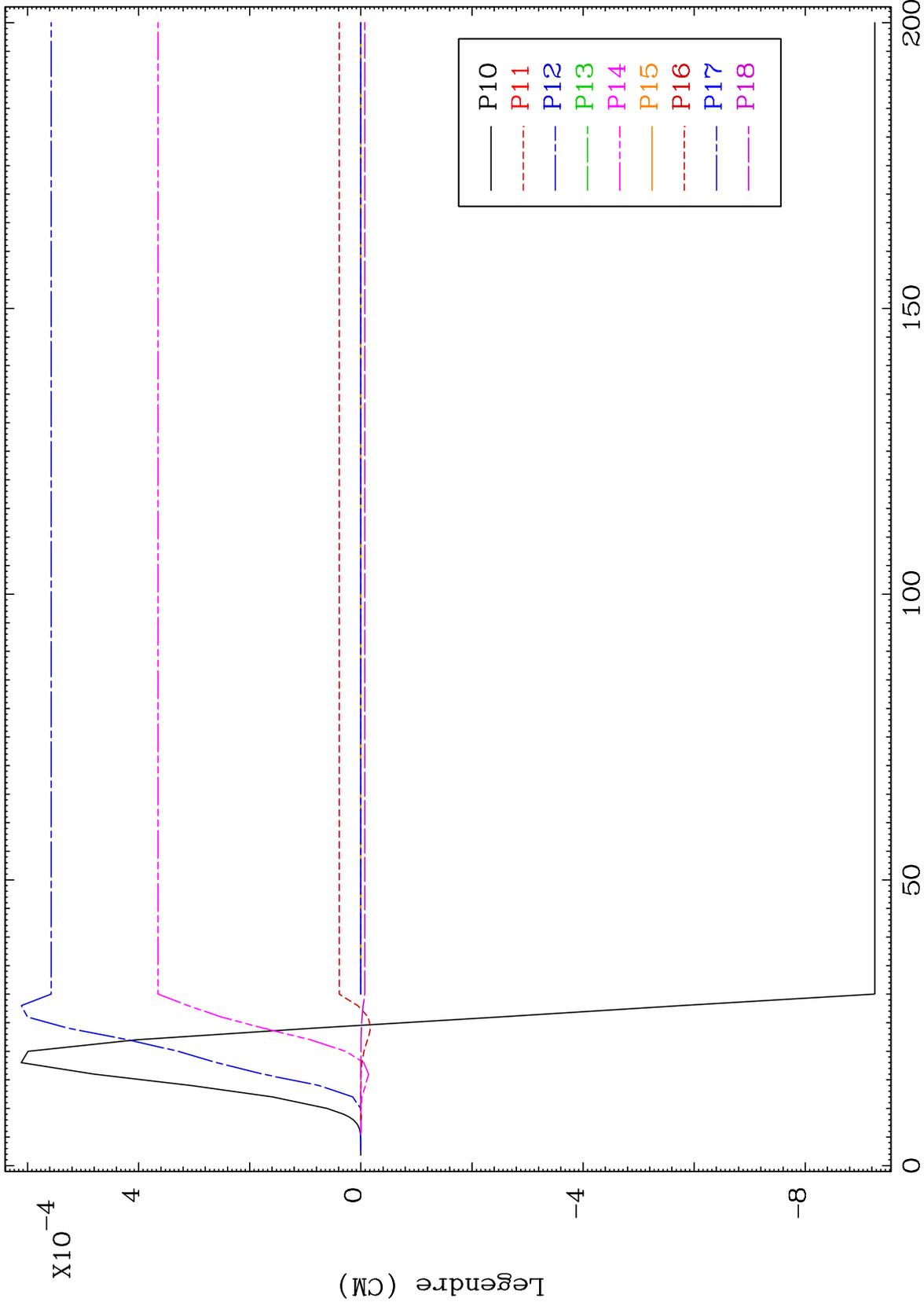
Incident Energy (MeV)

56

MAT 4840

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

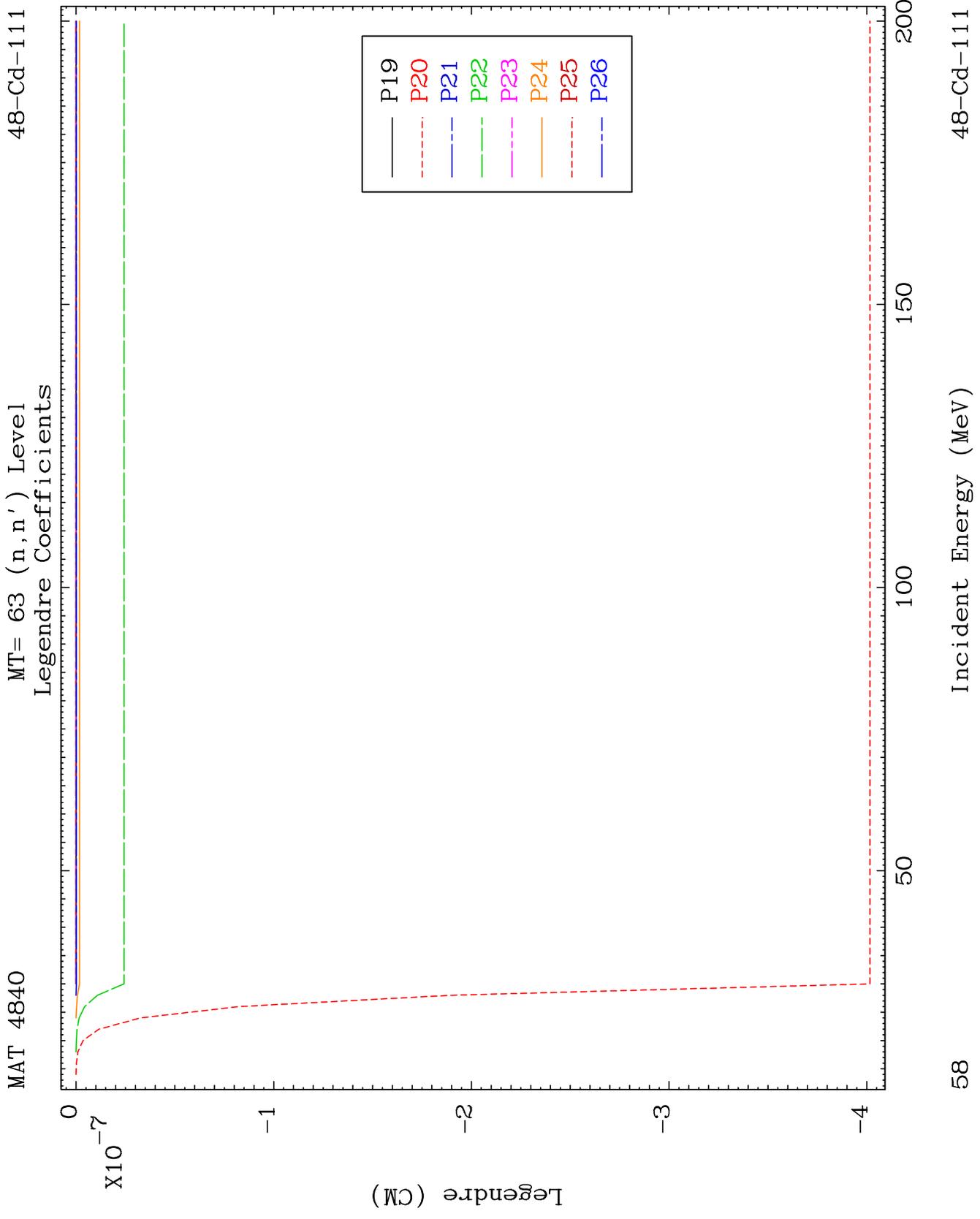
48-Cd-111

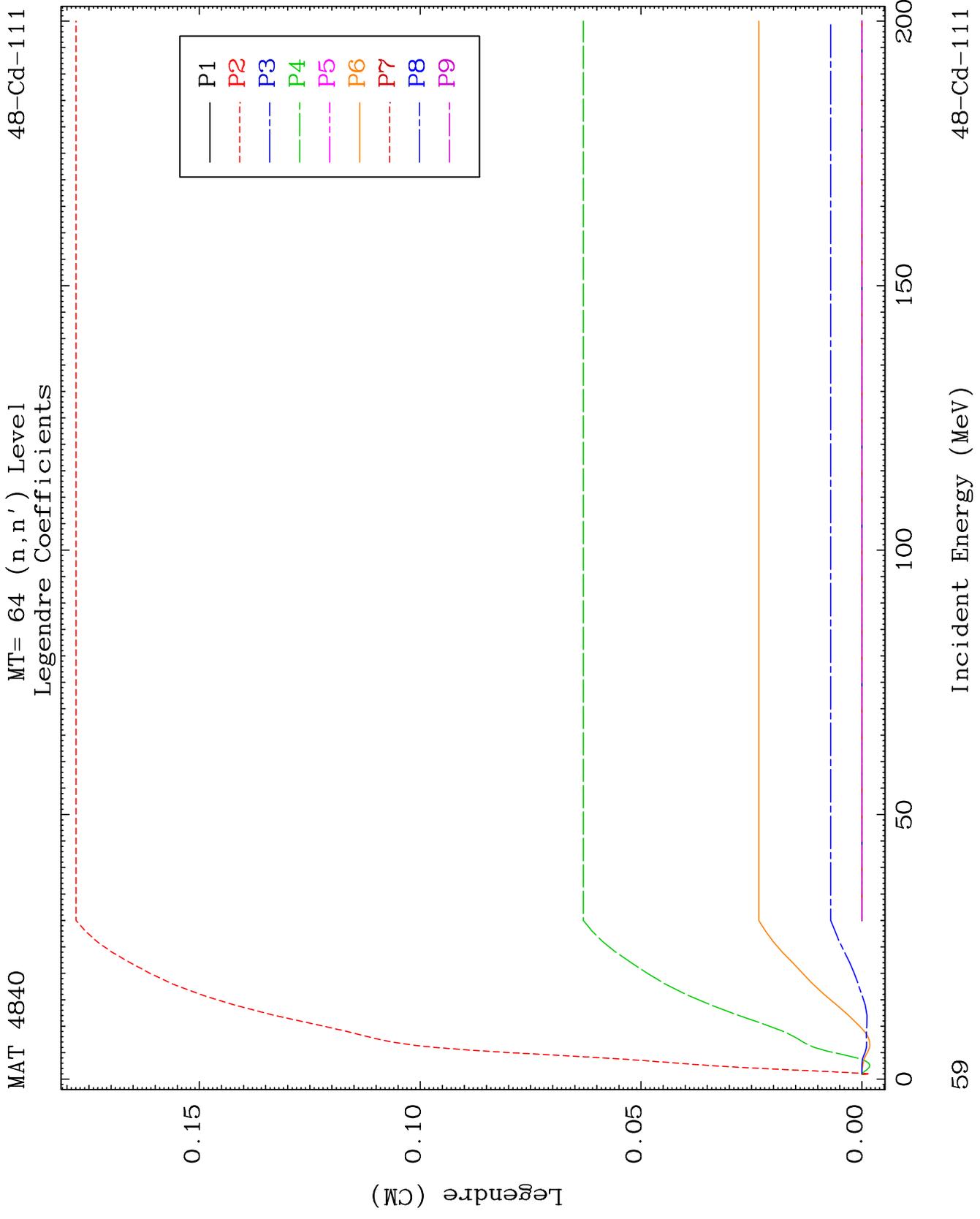


57

Incident Energy (MeV)

48-Cd-111





48-Cd-111

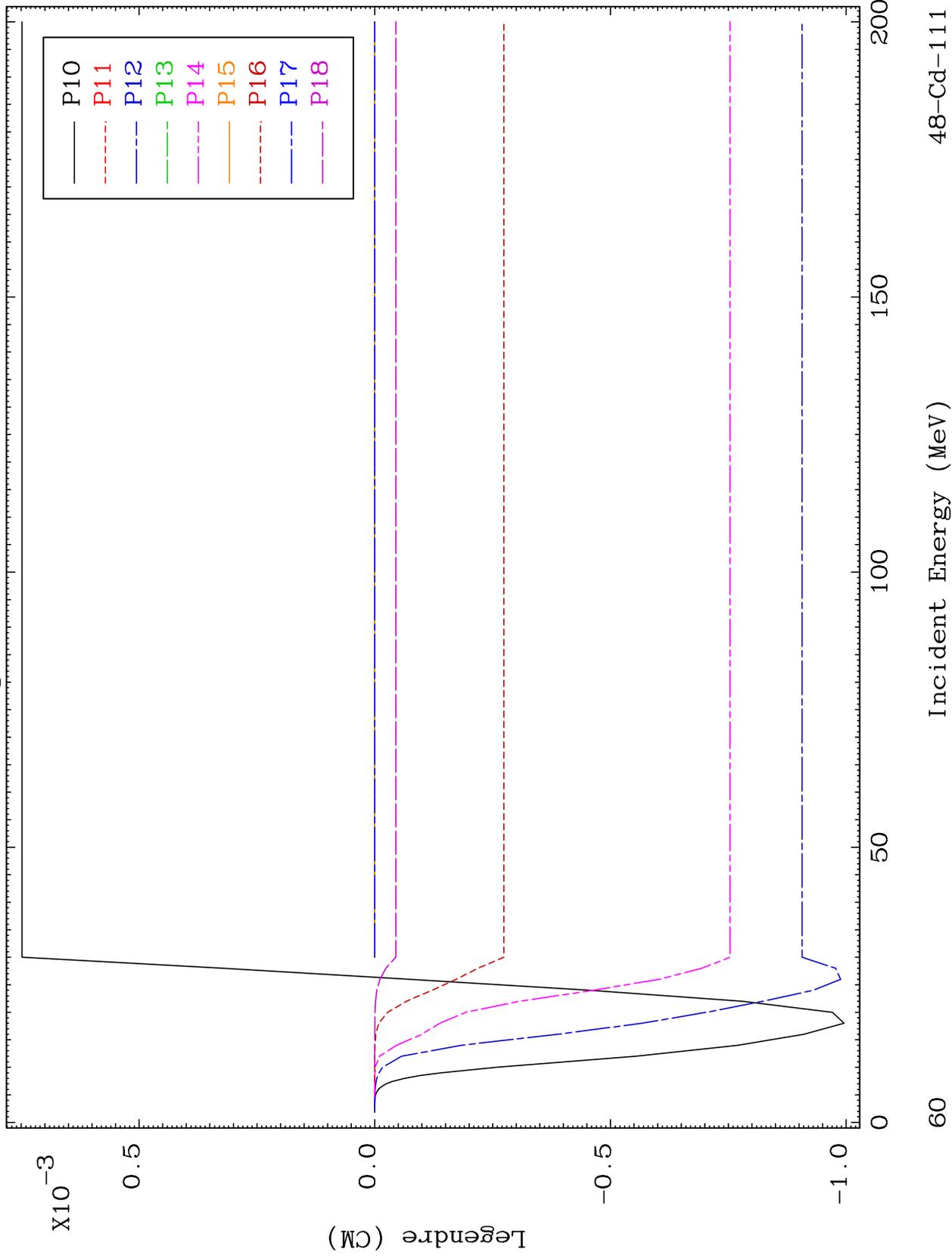
Incident Energy (MeV)

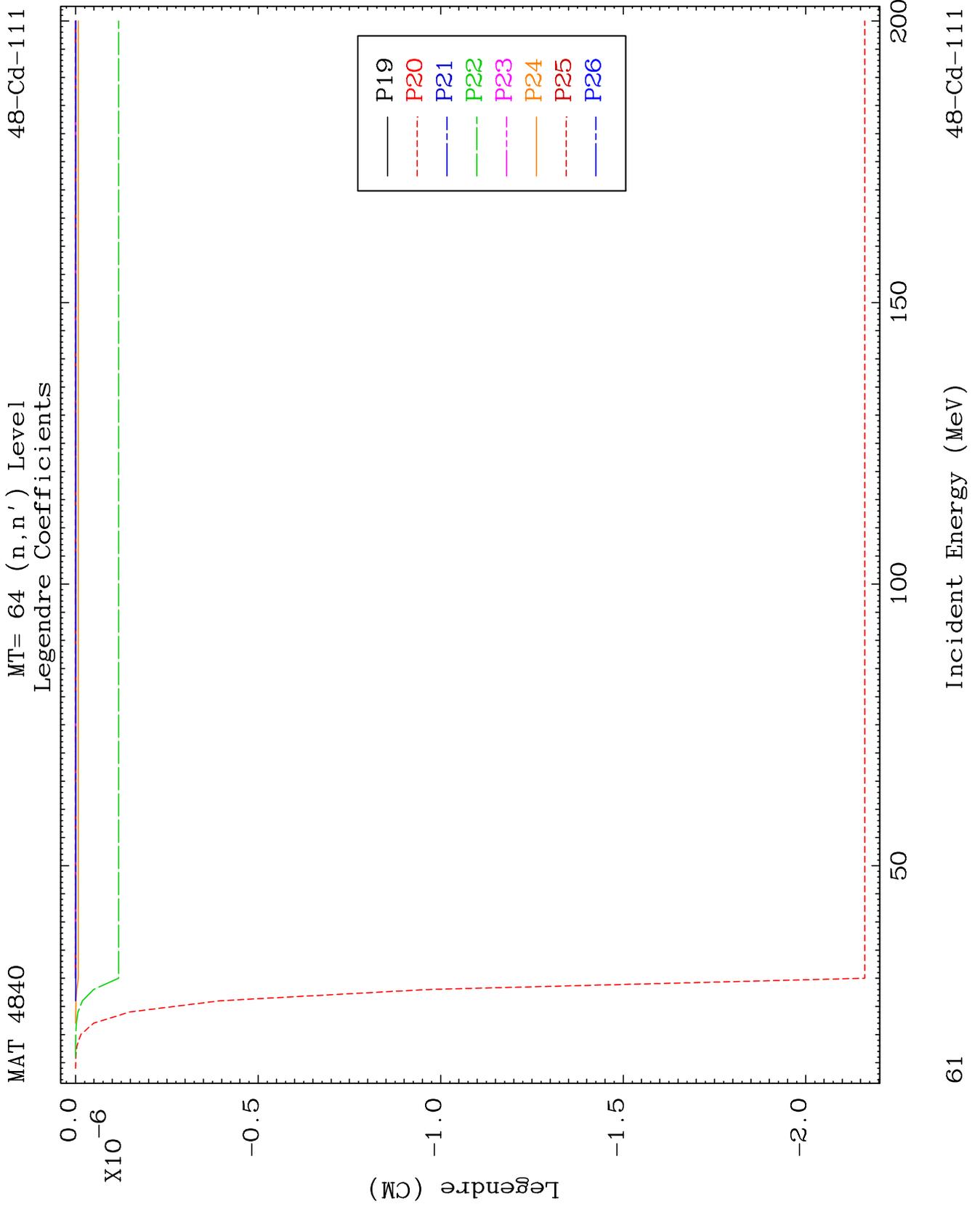
59

MAT 4840

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

48-Cd-111

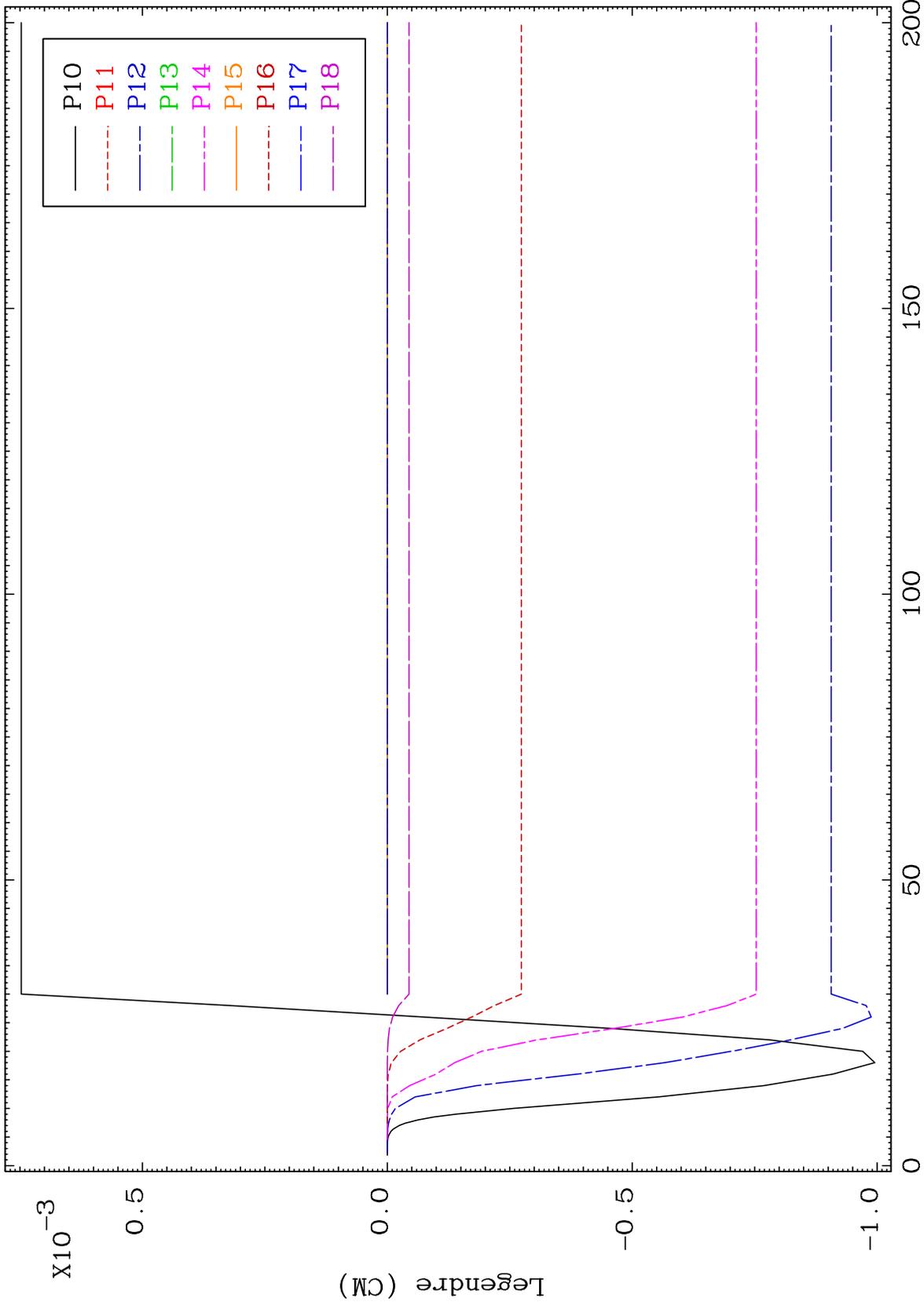




MAT 4840

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

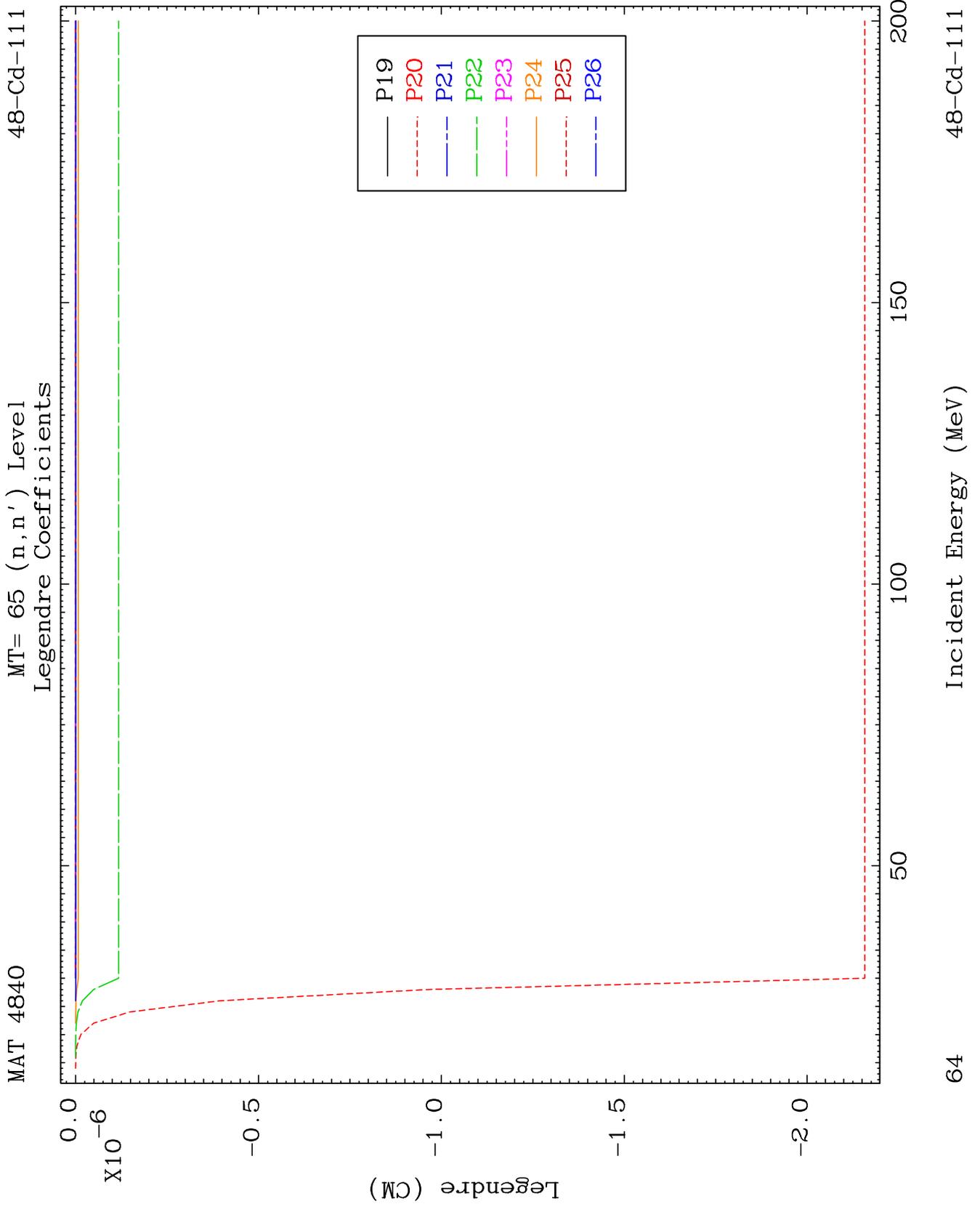
48-Cd-111



63

Incident Energy (MeV)

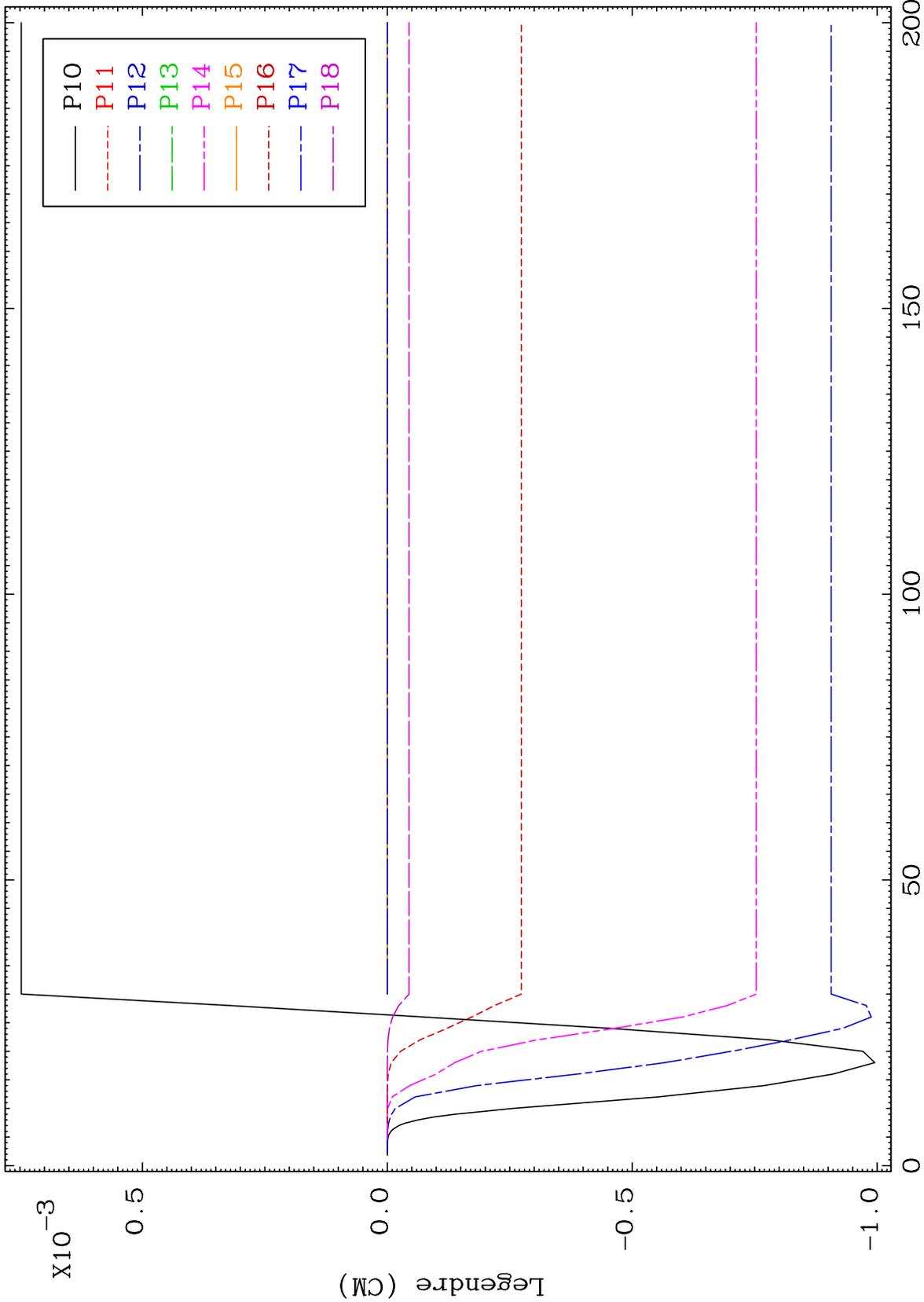
48-Cd-111



MAT 4840

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

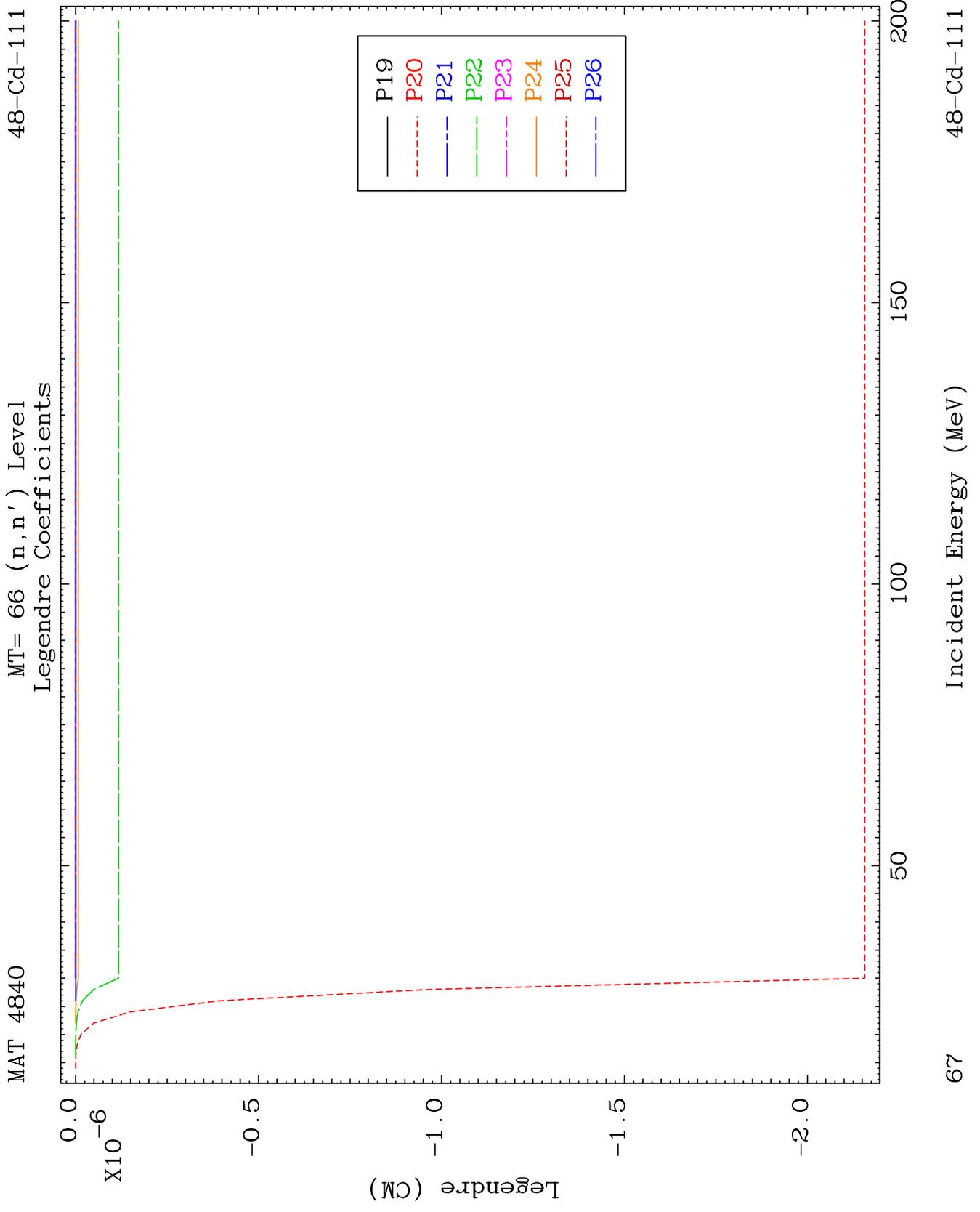
48-Cd-111



66

Incident Energy (MeV)

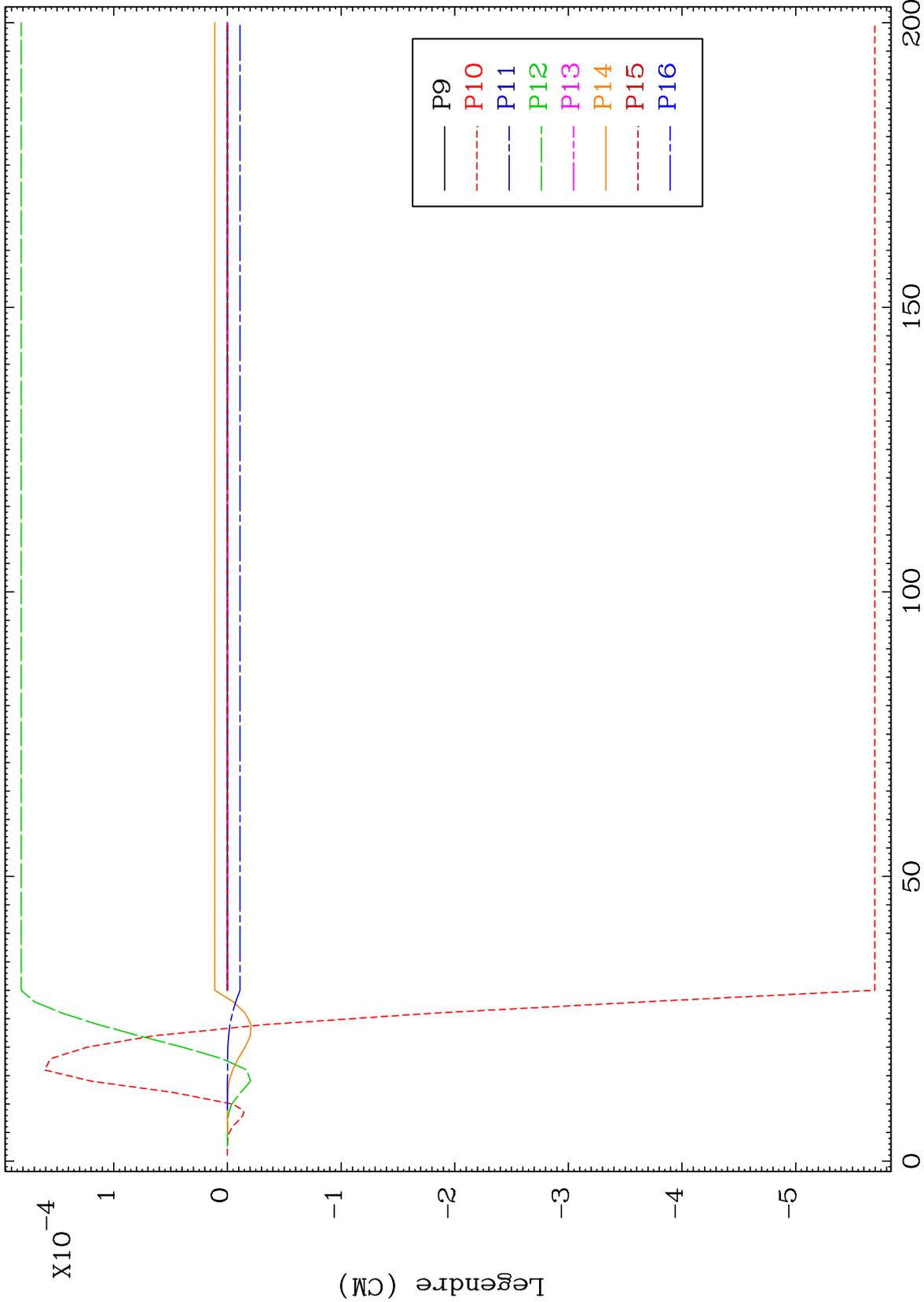
48-Cd-111



MAT 4840

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

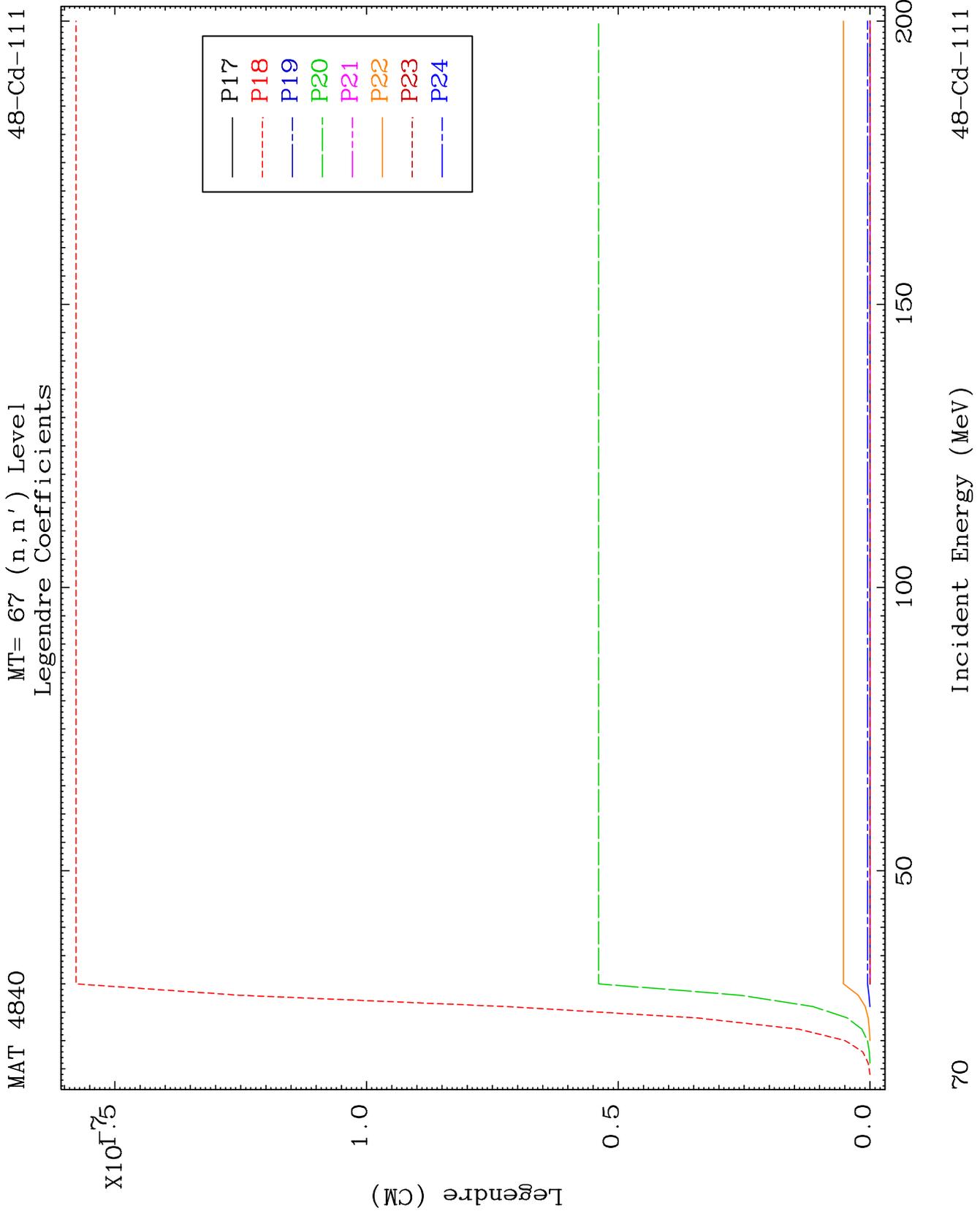
48-Cd-111



69

Incident Energy (MeV)

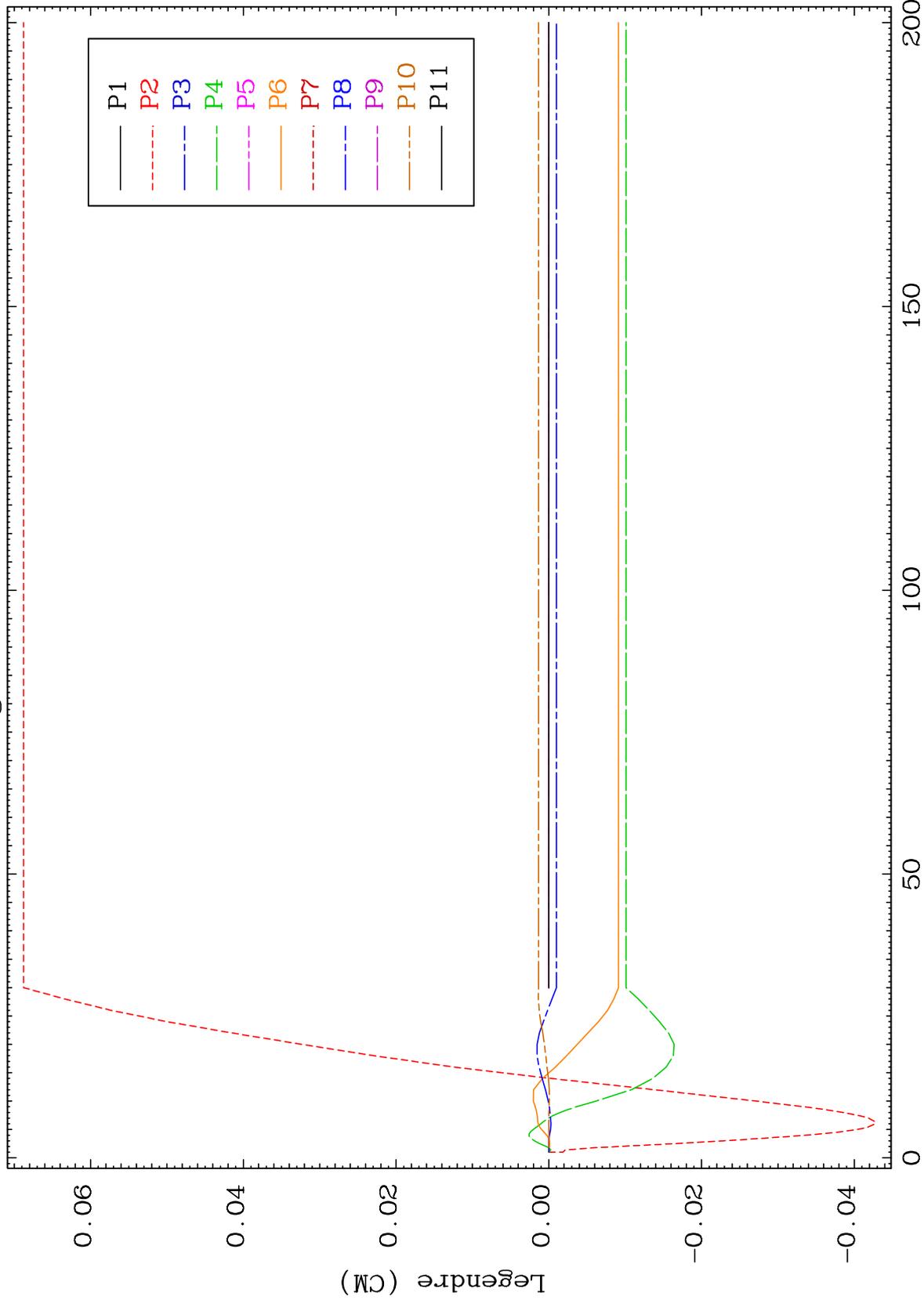
48-Cd-111



MAT 4840

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

48-Cd-111



71

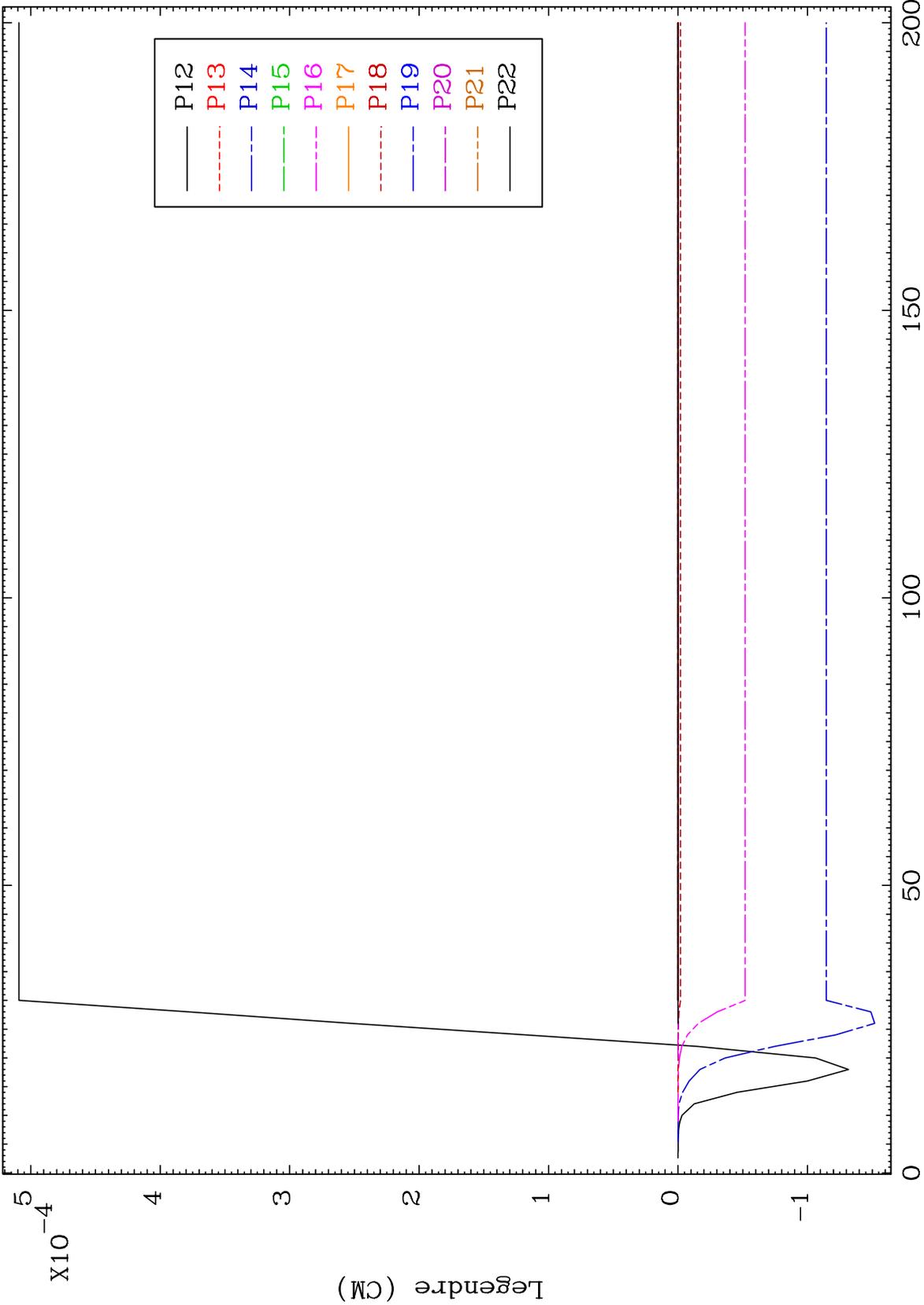
Incident Energy (MeV)

48-Cd-111

MAT 4840

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

48-Cd-111



72

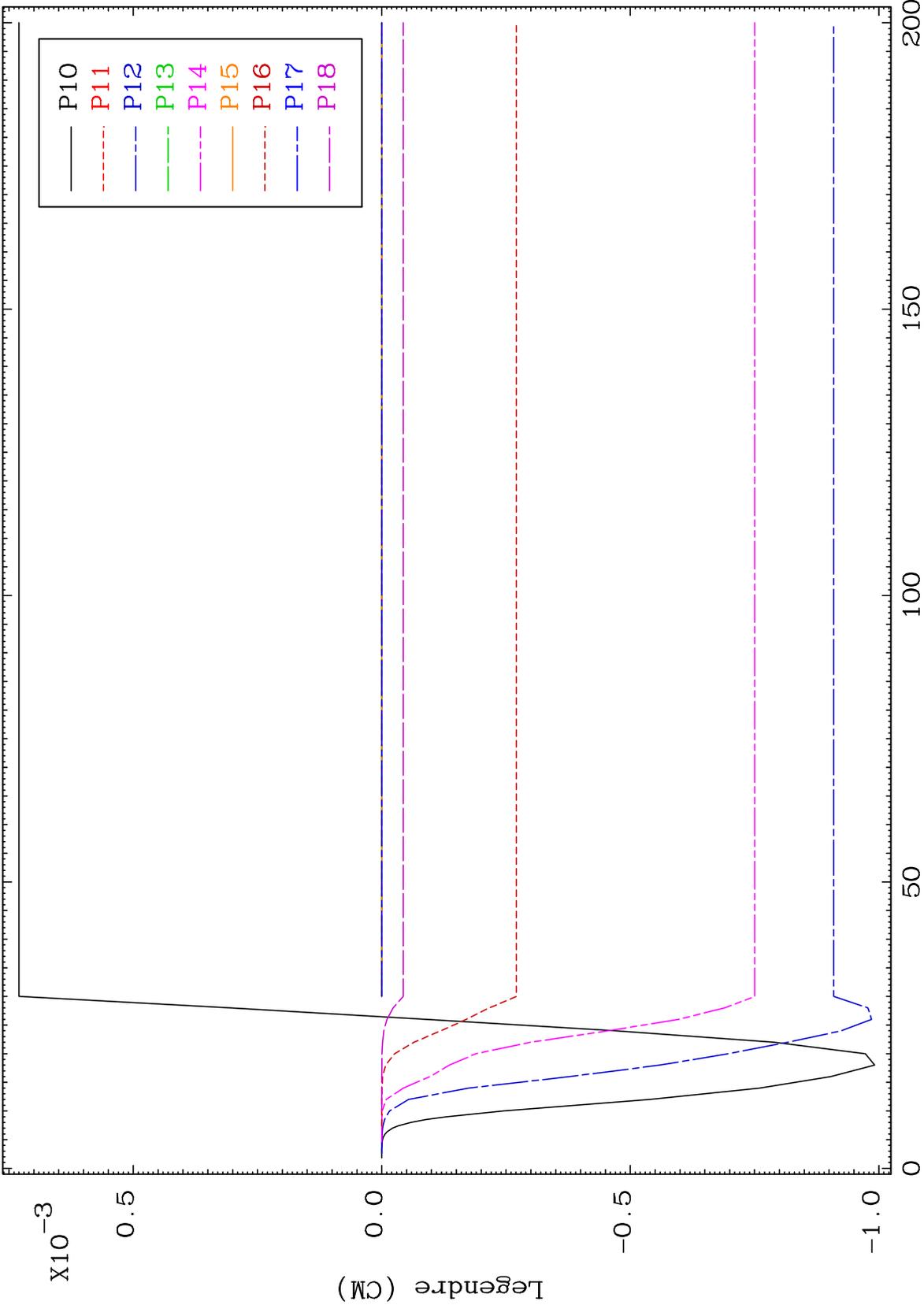
Incident Energy (MeV)

48-Cd-111

MAT 4840

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

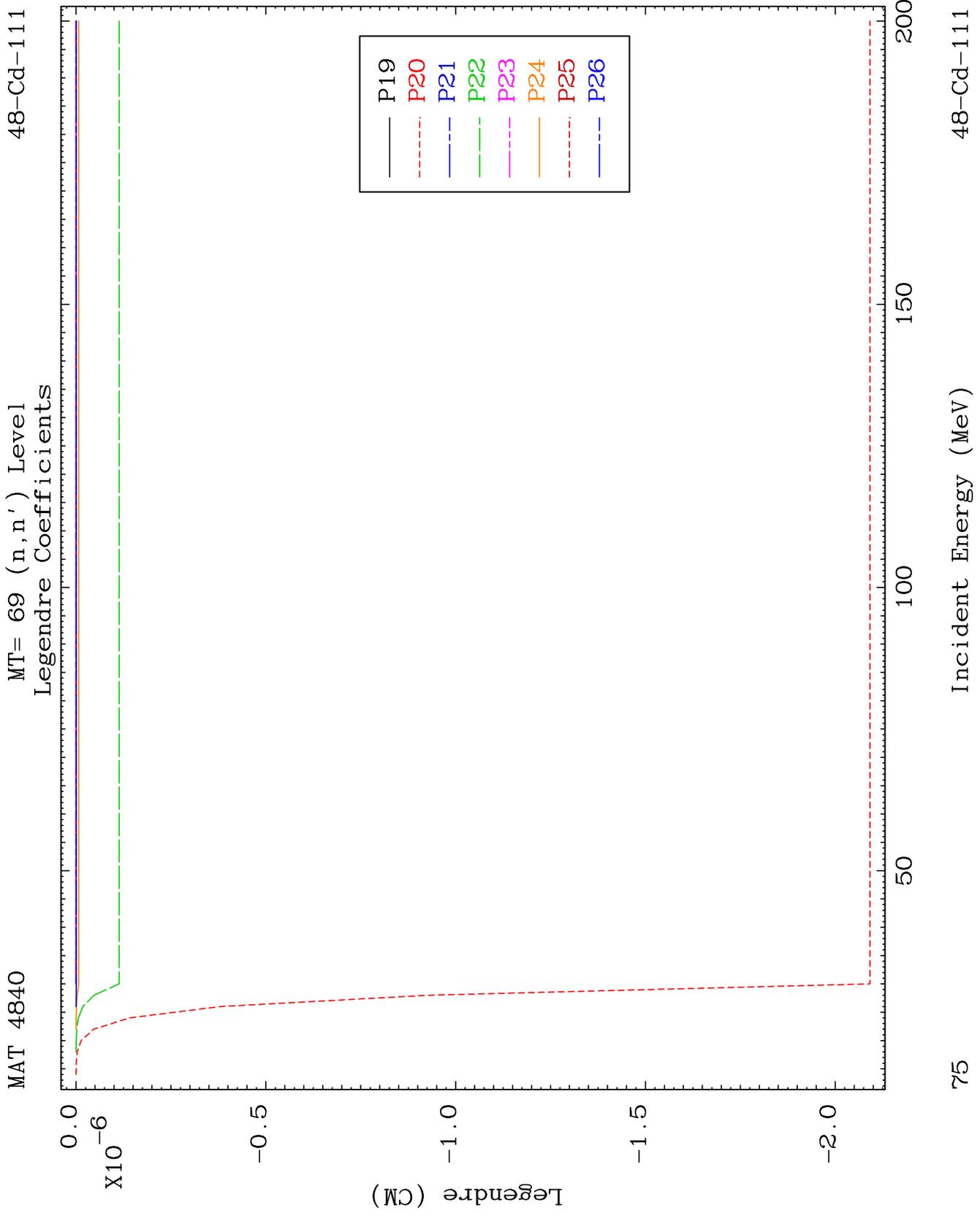
48-Cd-111

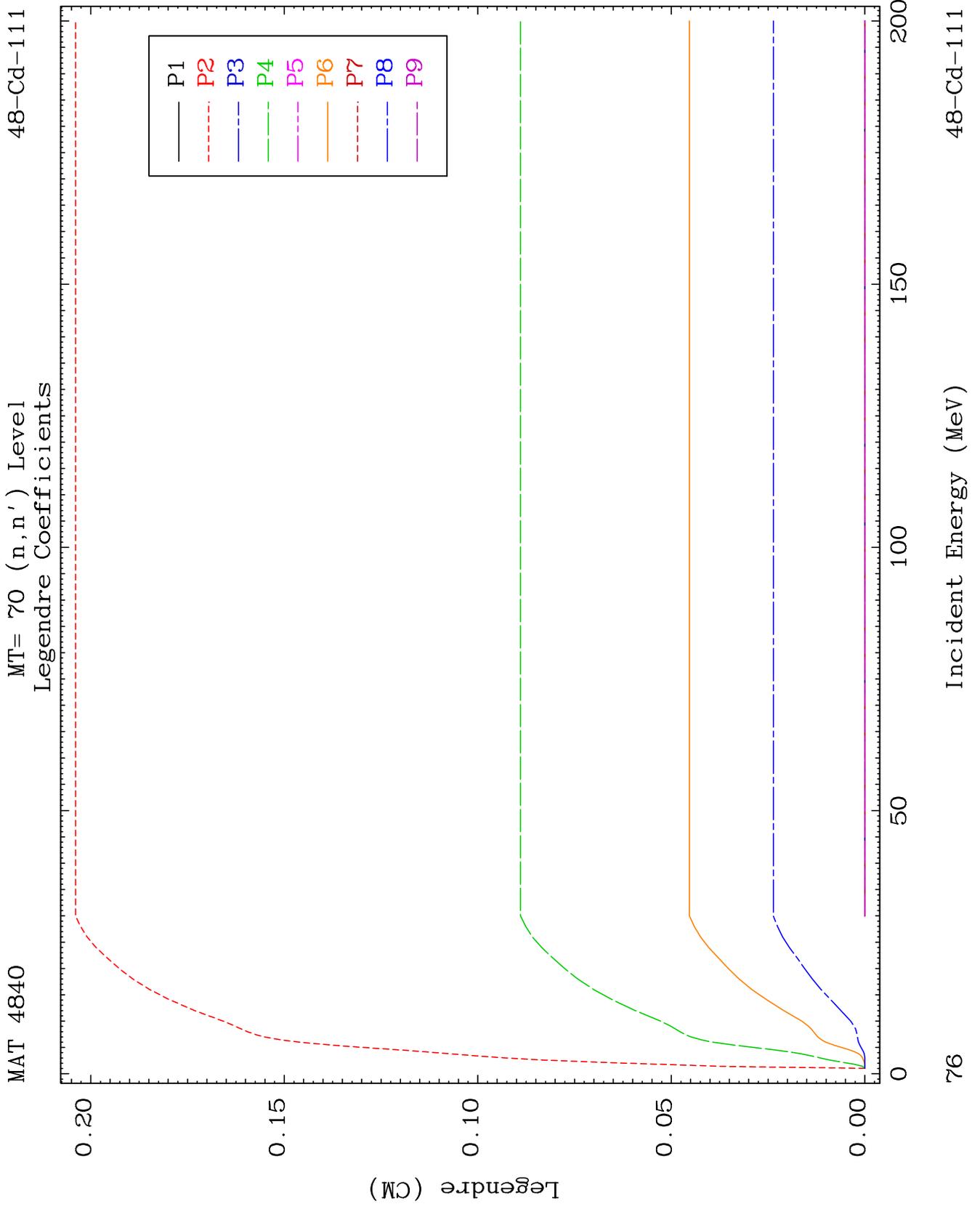


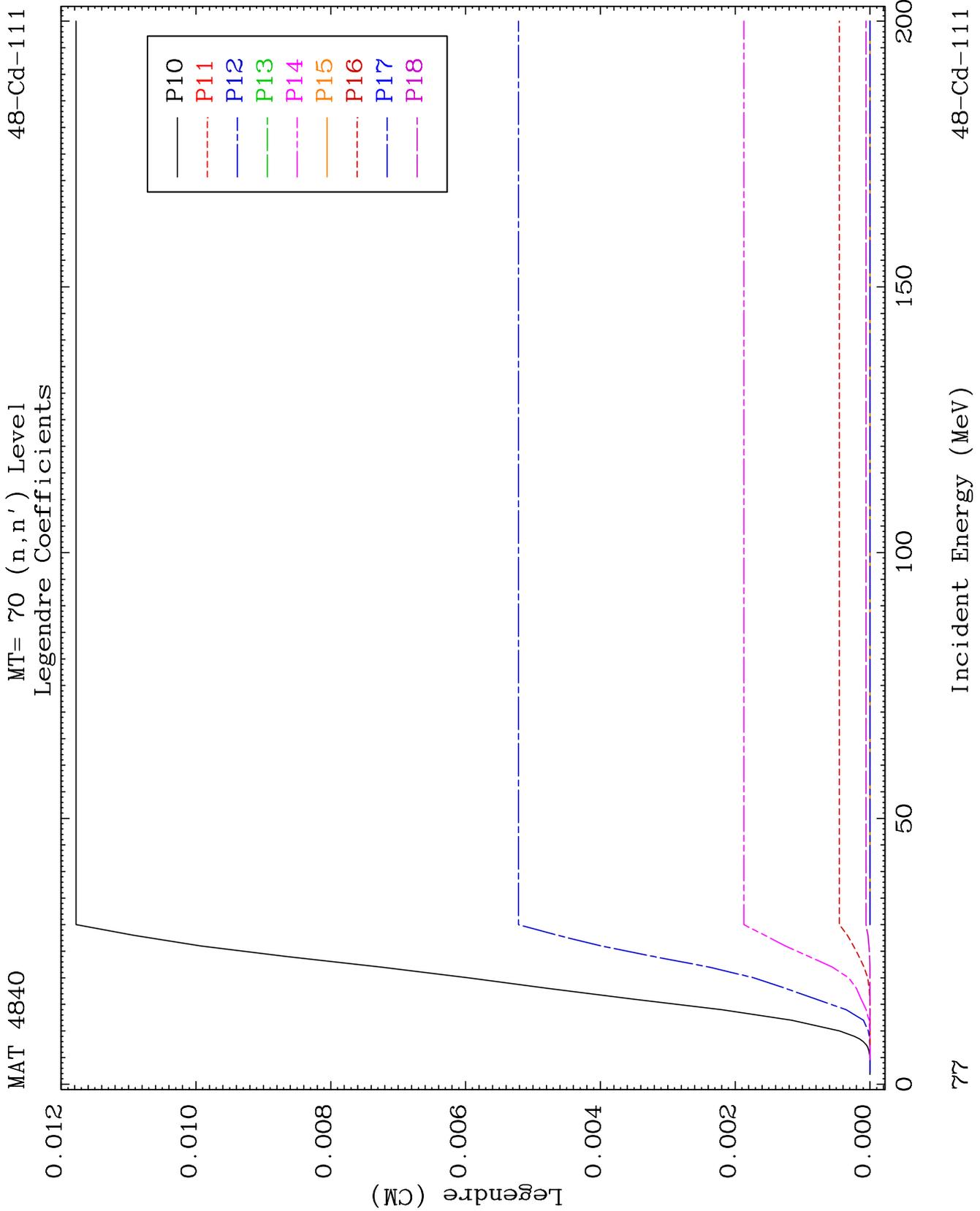
74

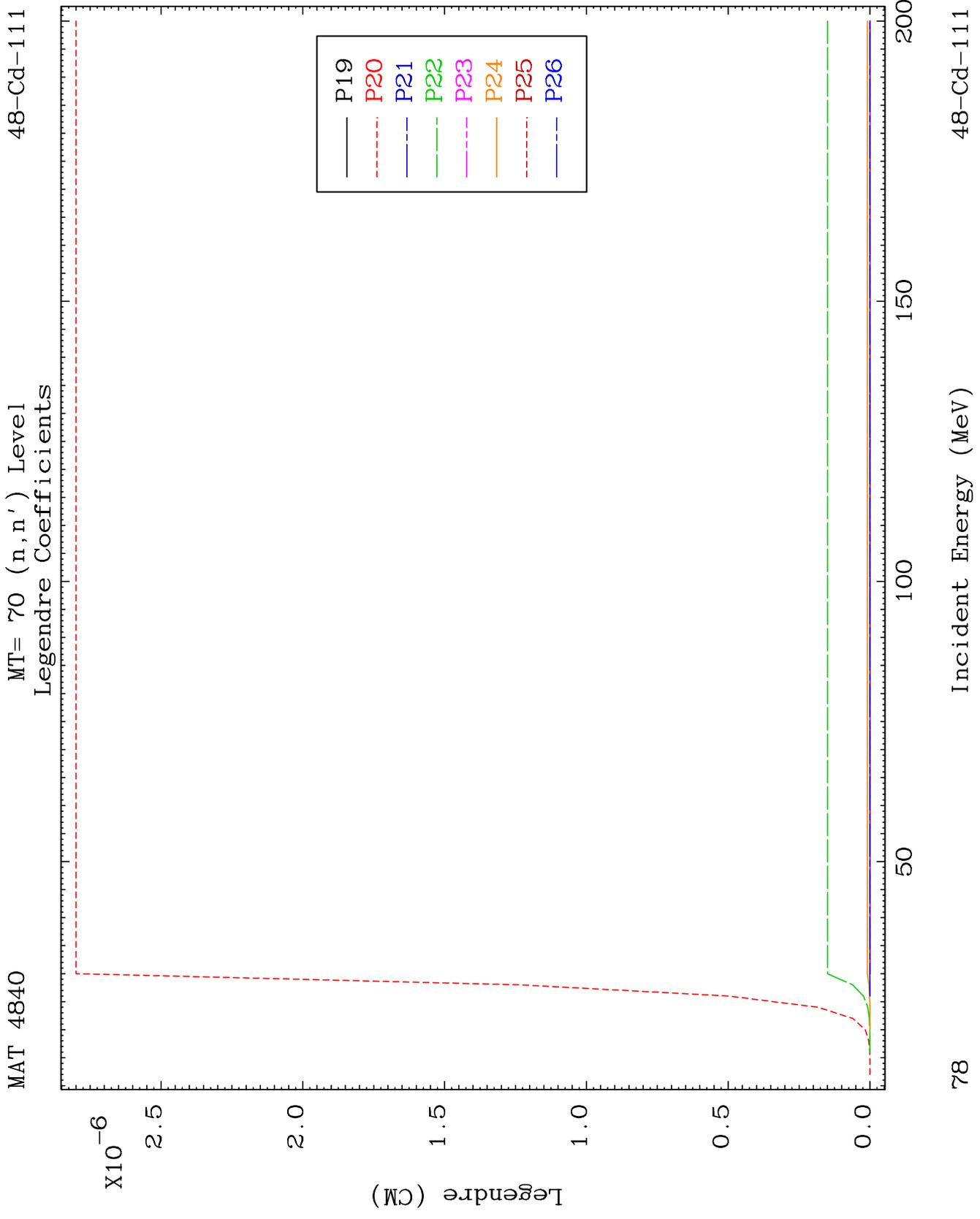
Incident Energy (MeV)

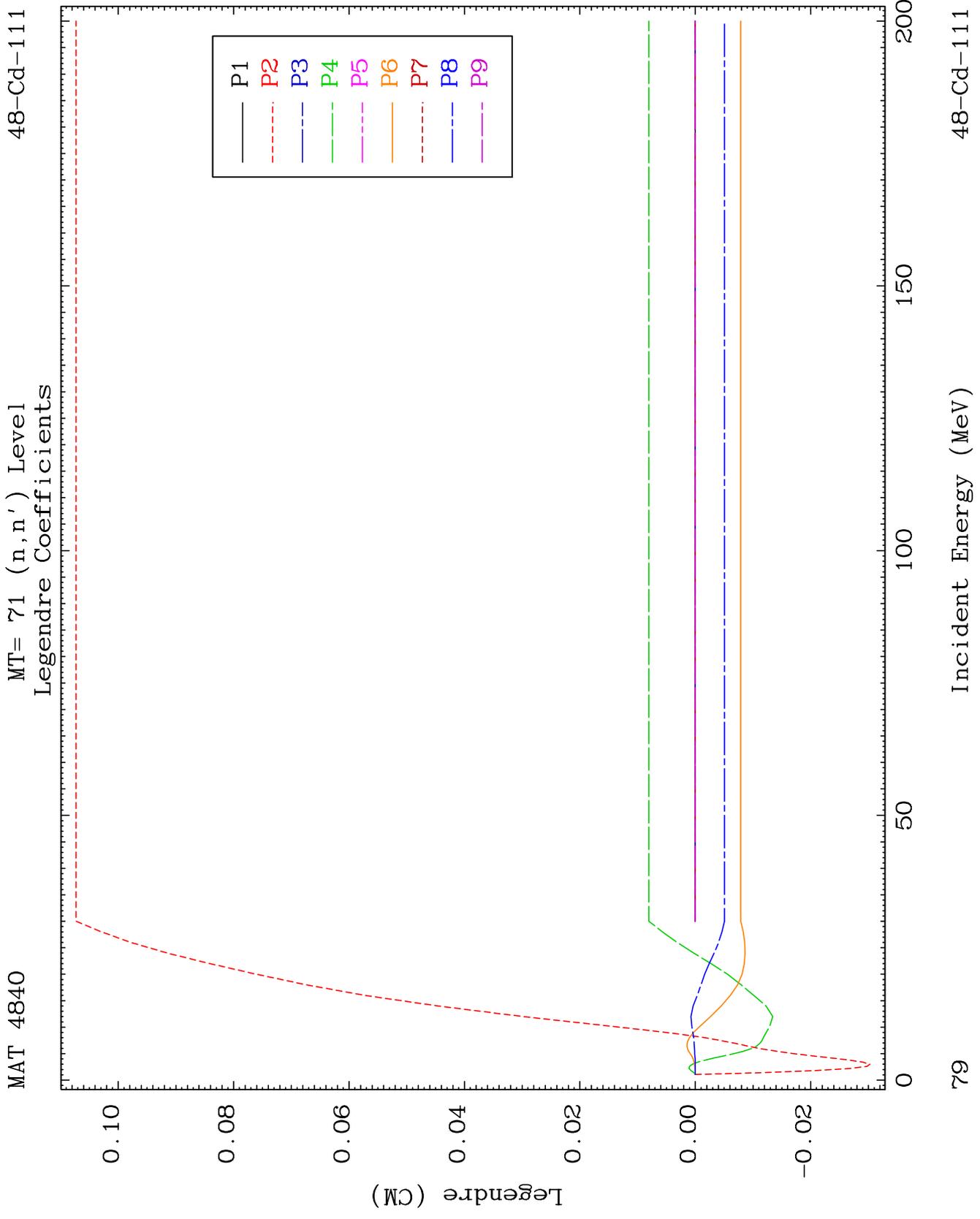
48-Cd-111











48-Cd-111

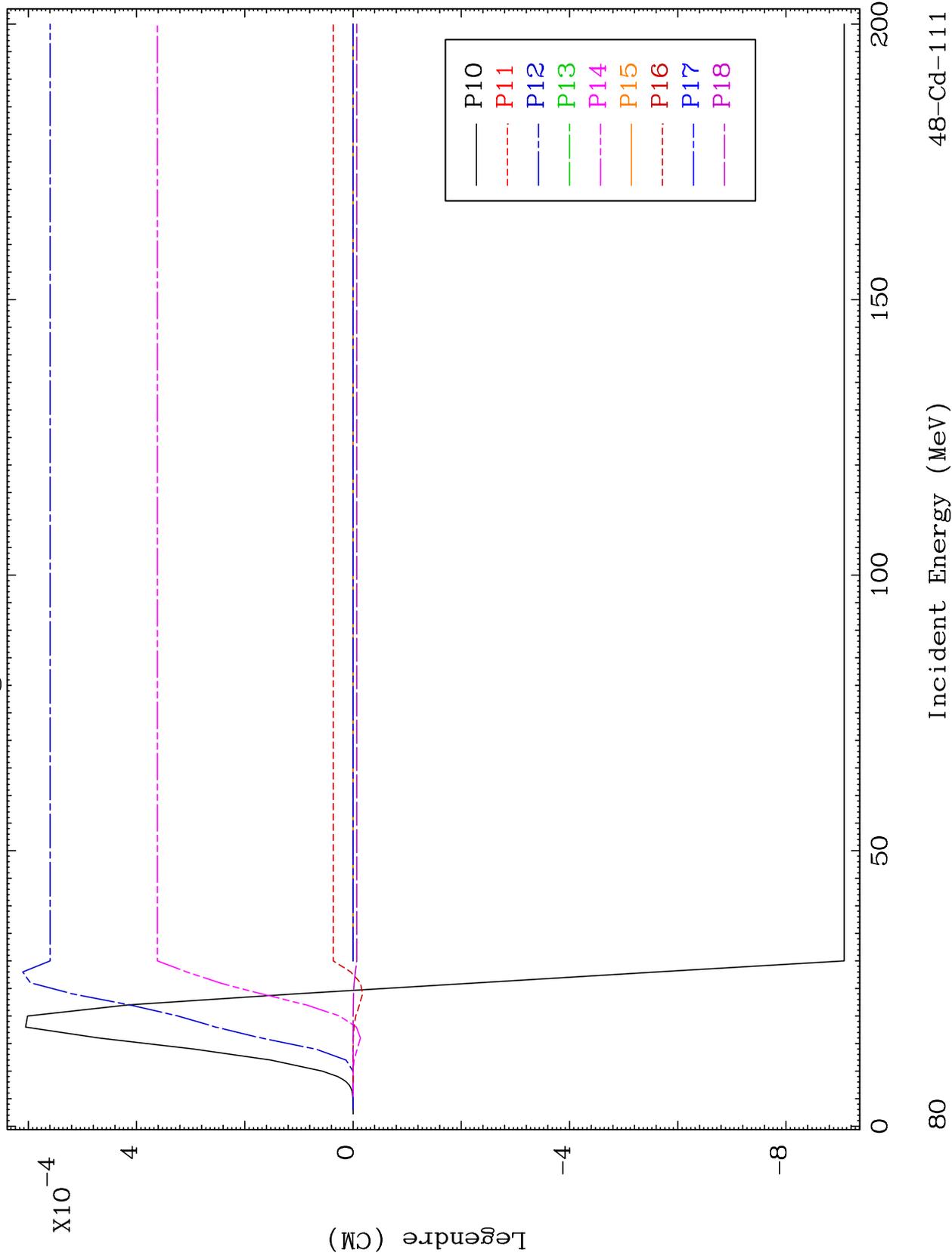
Incident Energy (MeV)

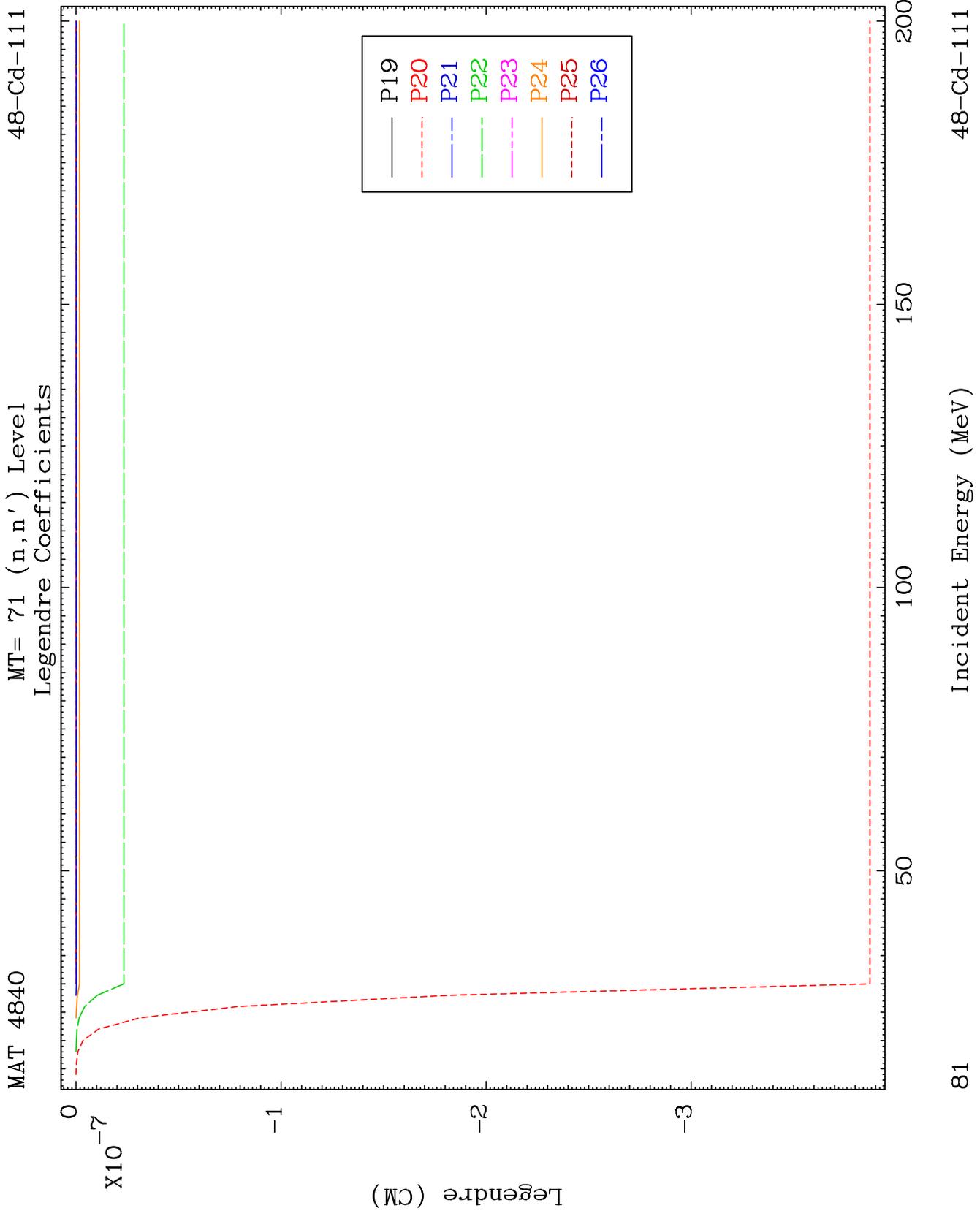
79

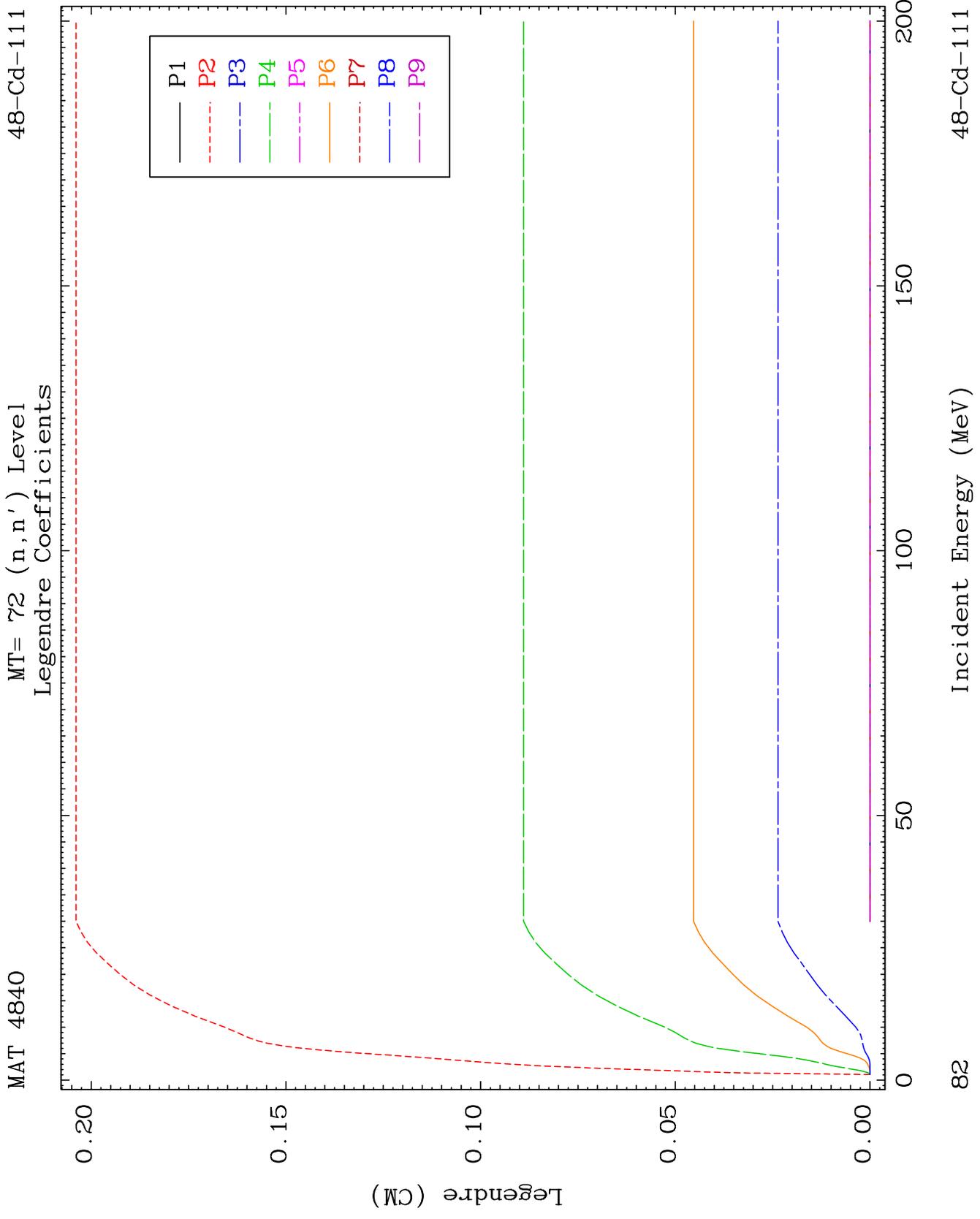
MAT 4840

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

48-Cd-111



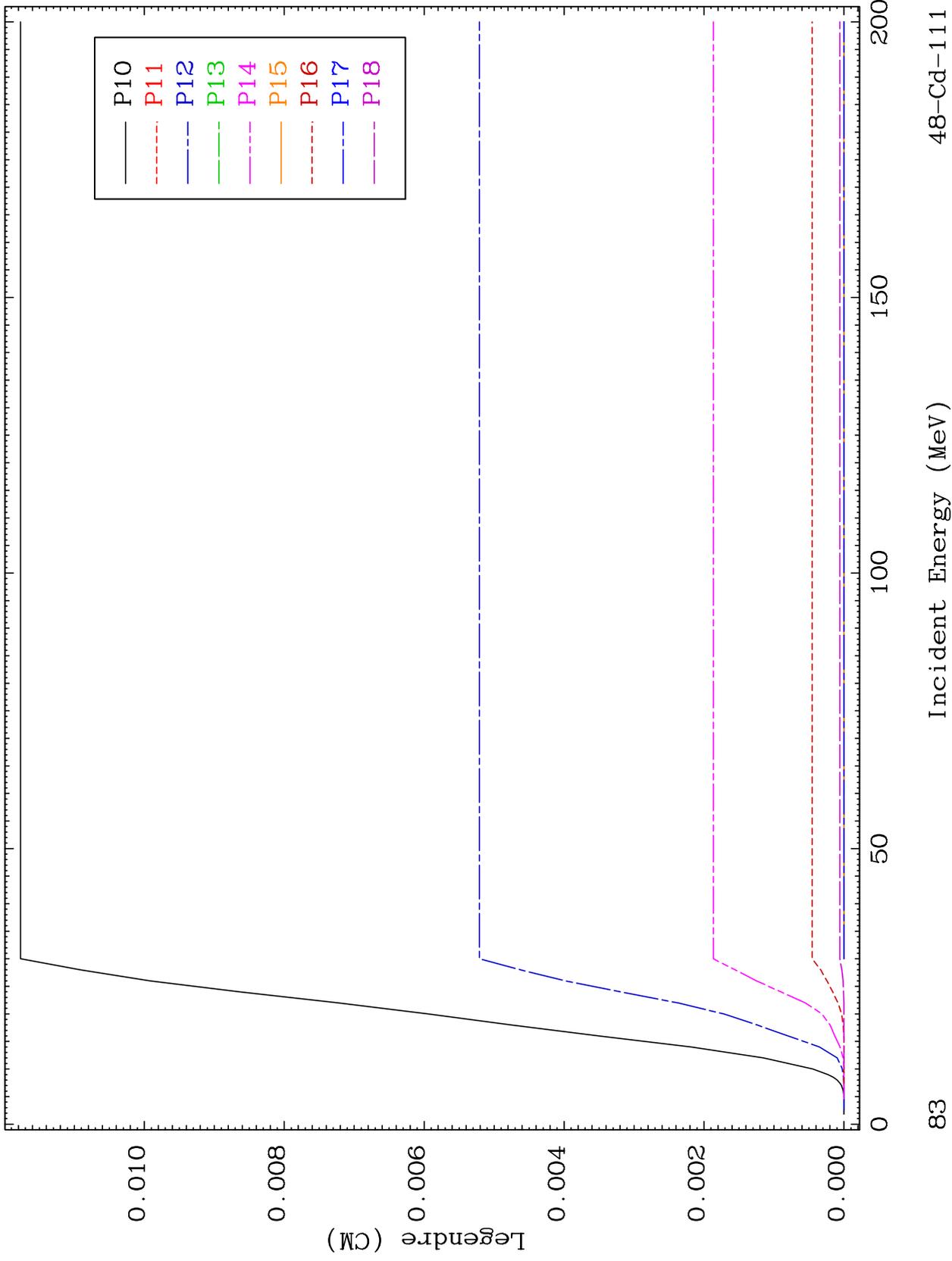




MAT 4840

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

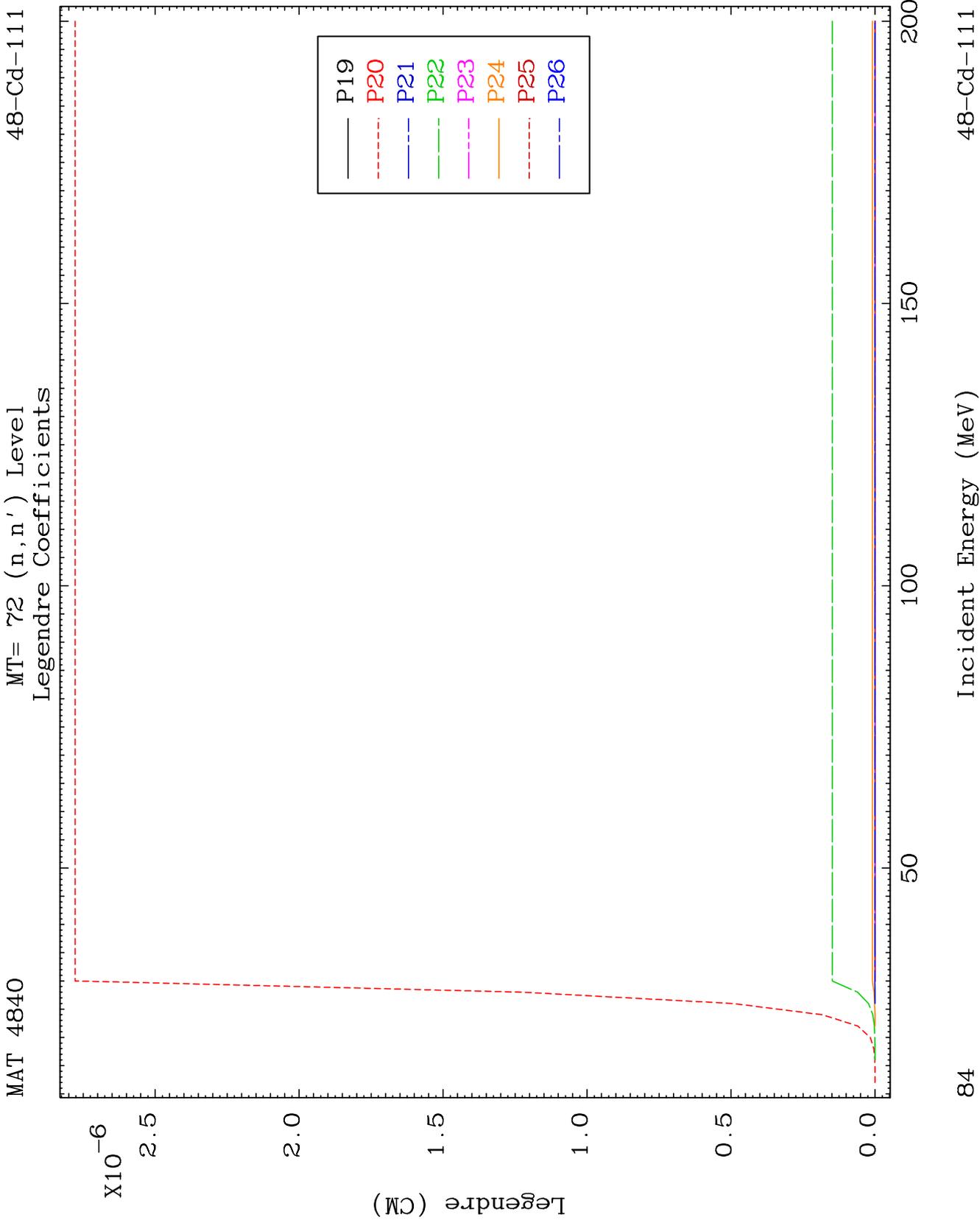
48-Cd-111



83

Incident Energy (MeV)

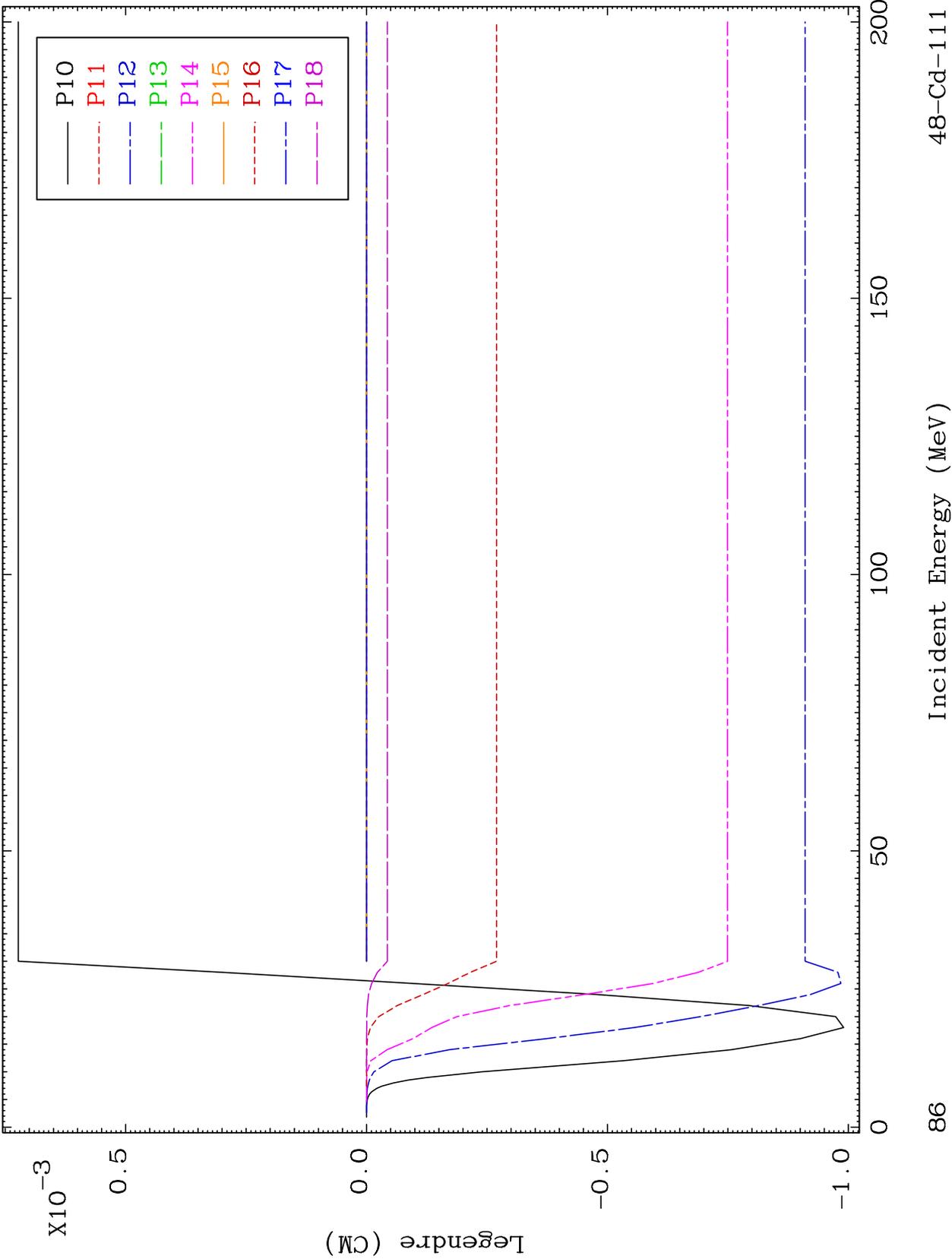
48-Cd-111



MAT 4840

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

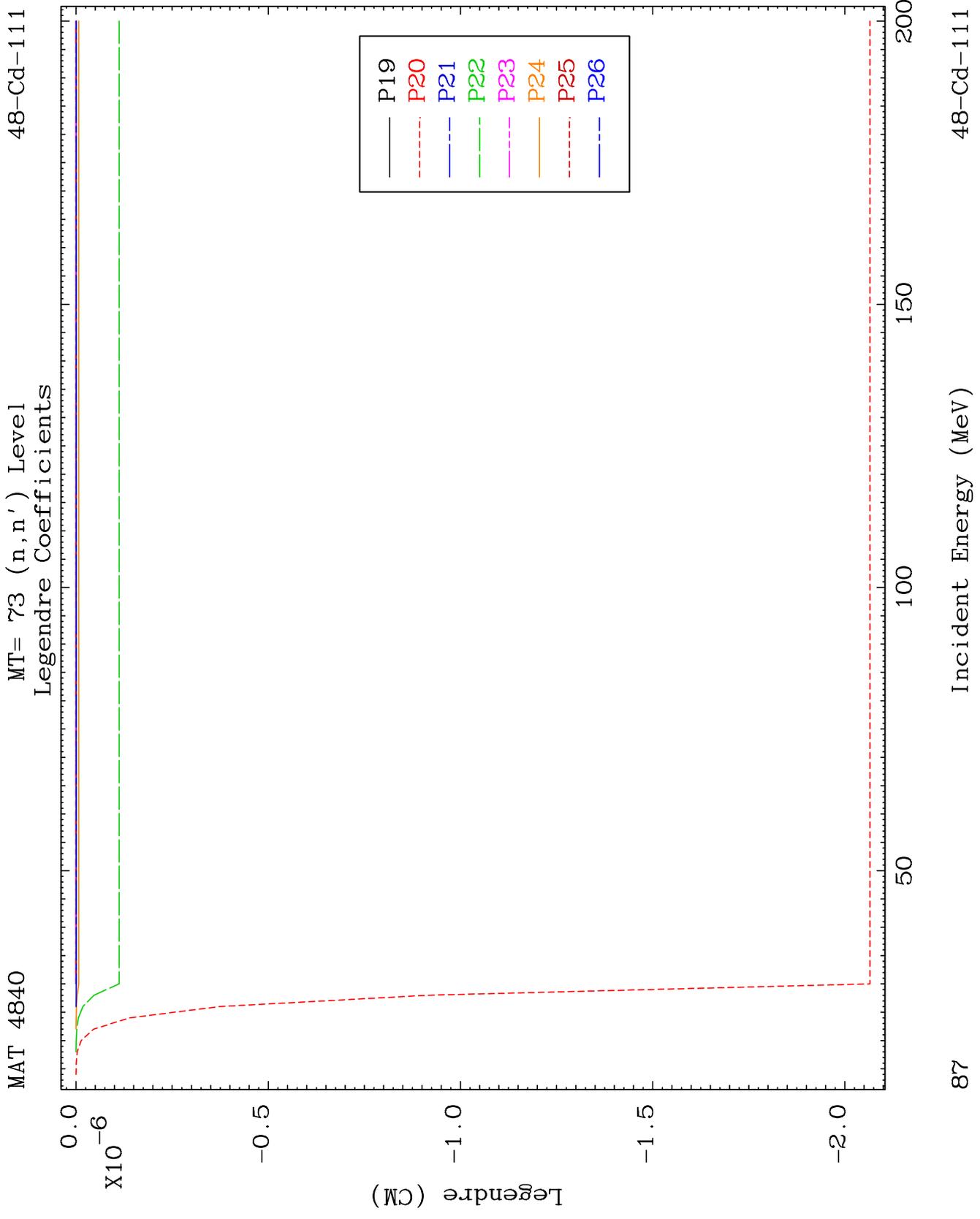
48-Cd-111

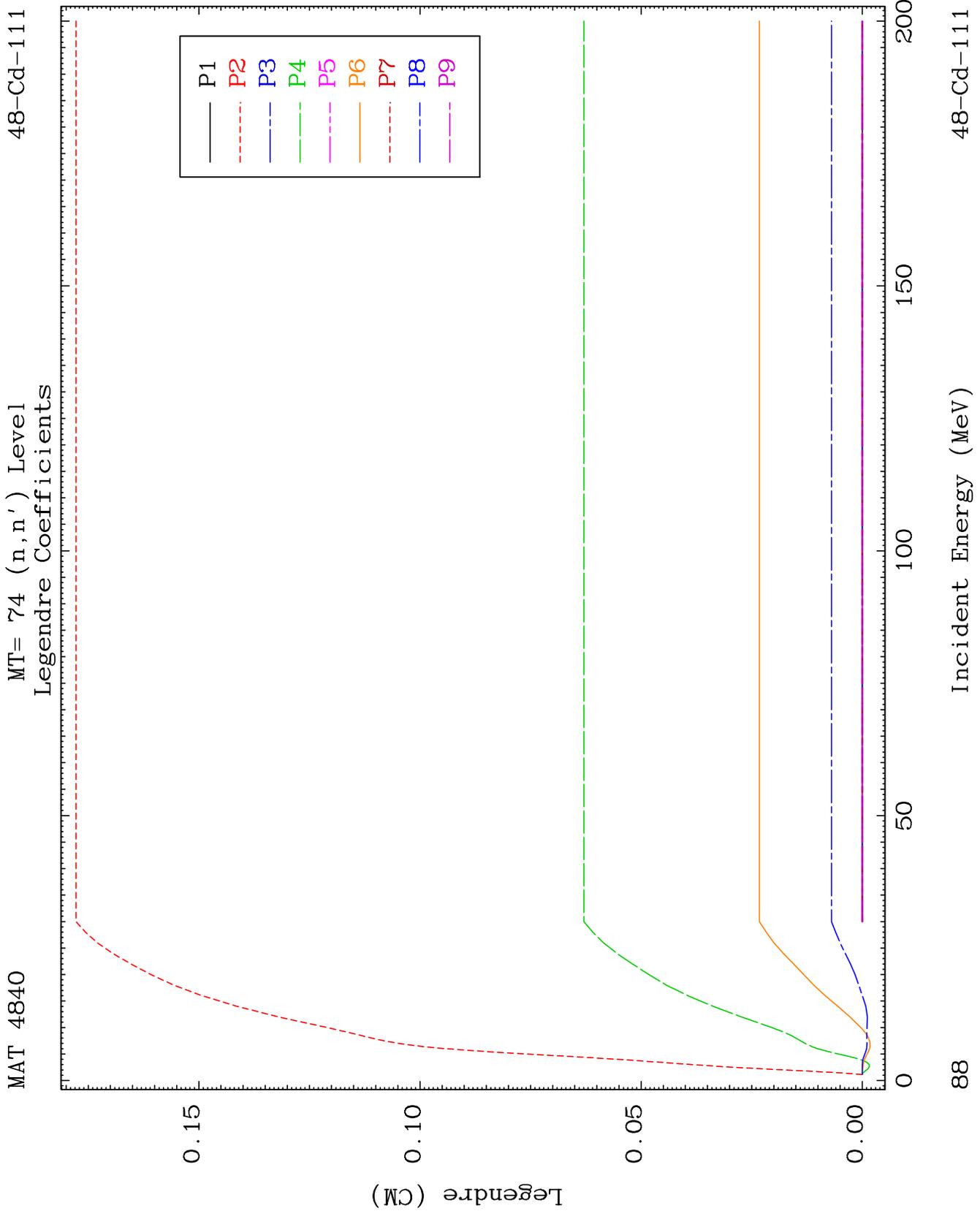


86

48-Cd-111

48-Cd-111





48-Cd-111

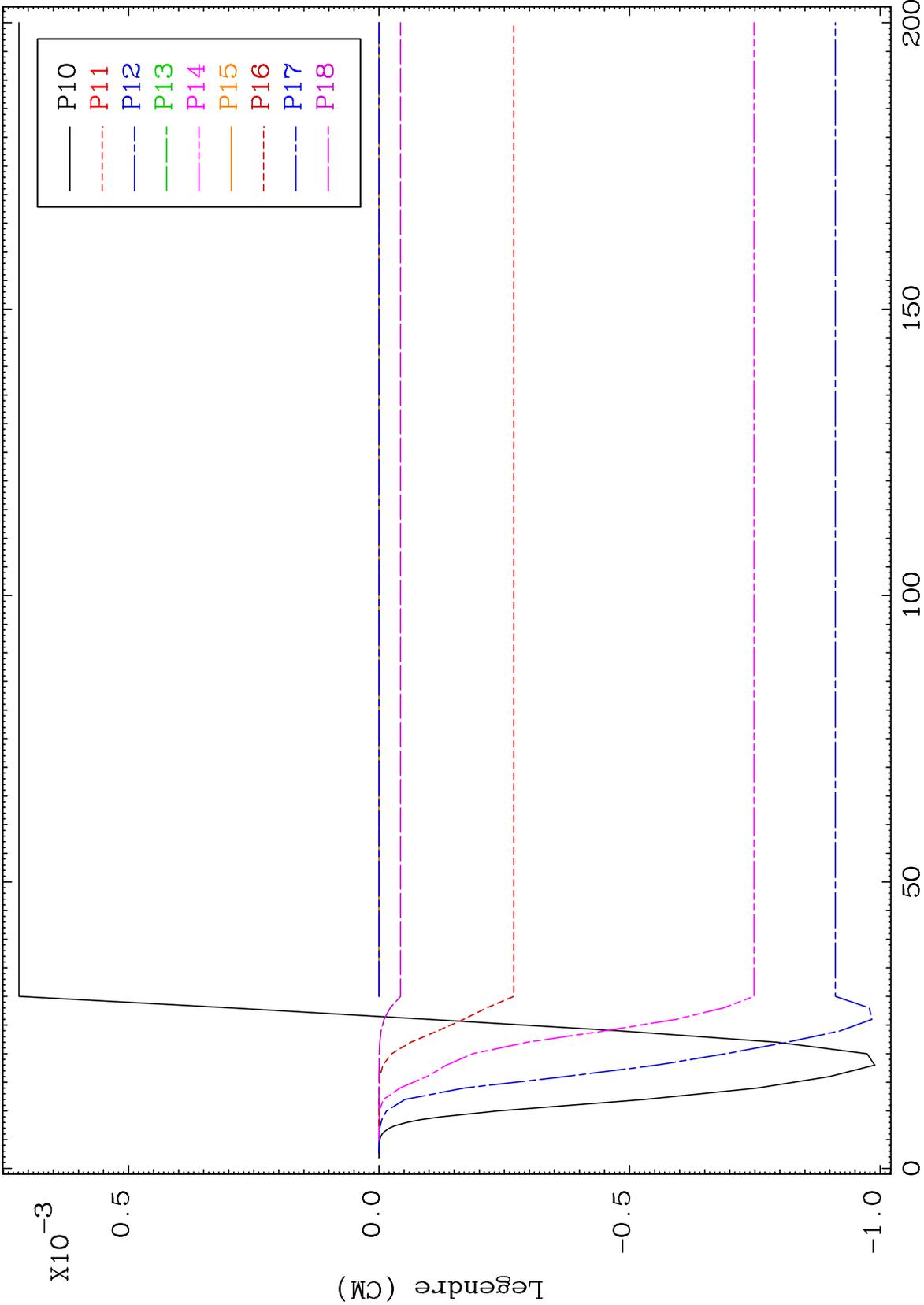
Incident Energy (MeV)

88

MAT 4840

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

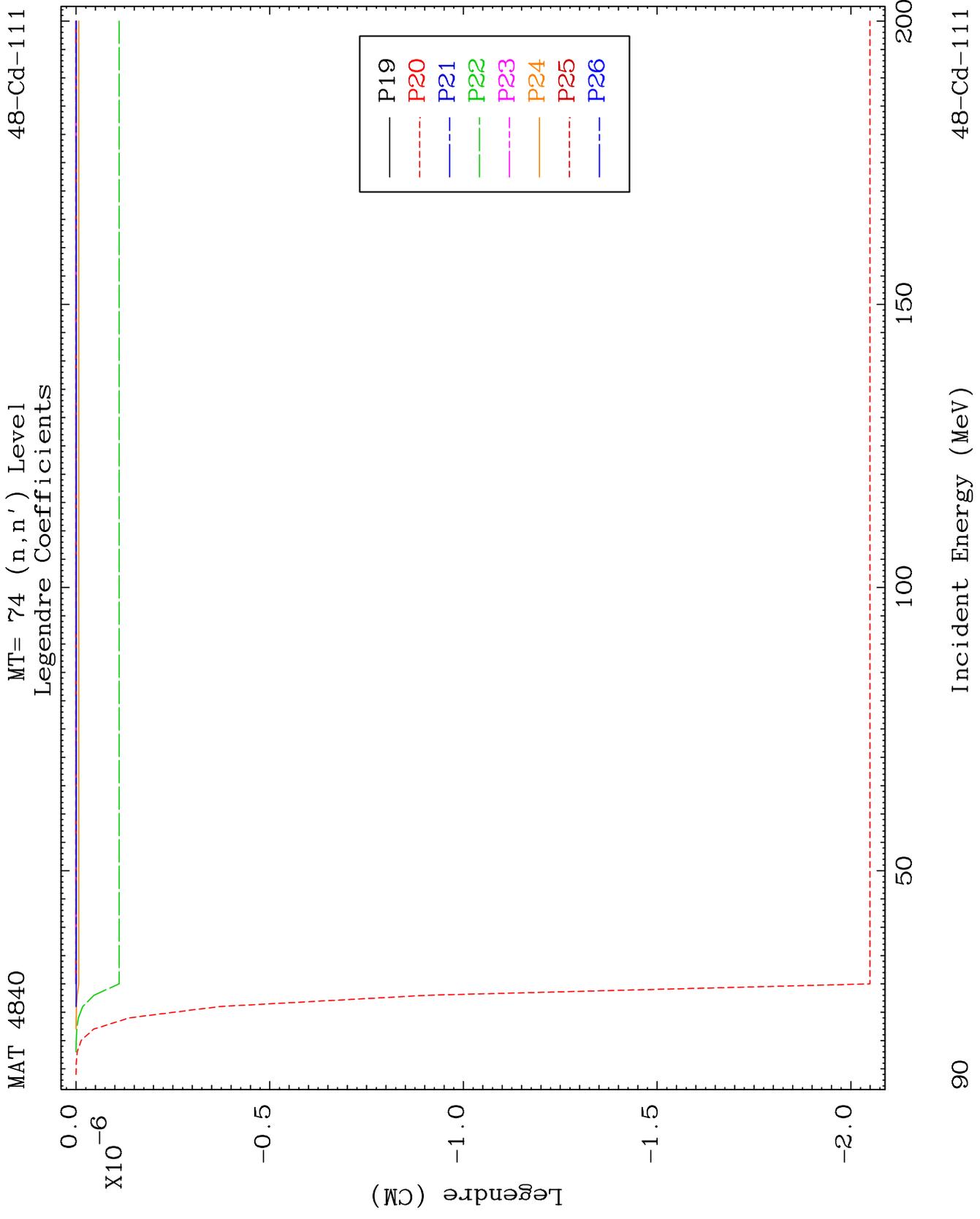
48-Cd-111



89

Incident Energy (MeV)

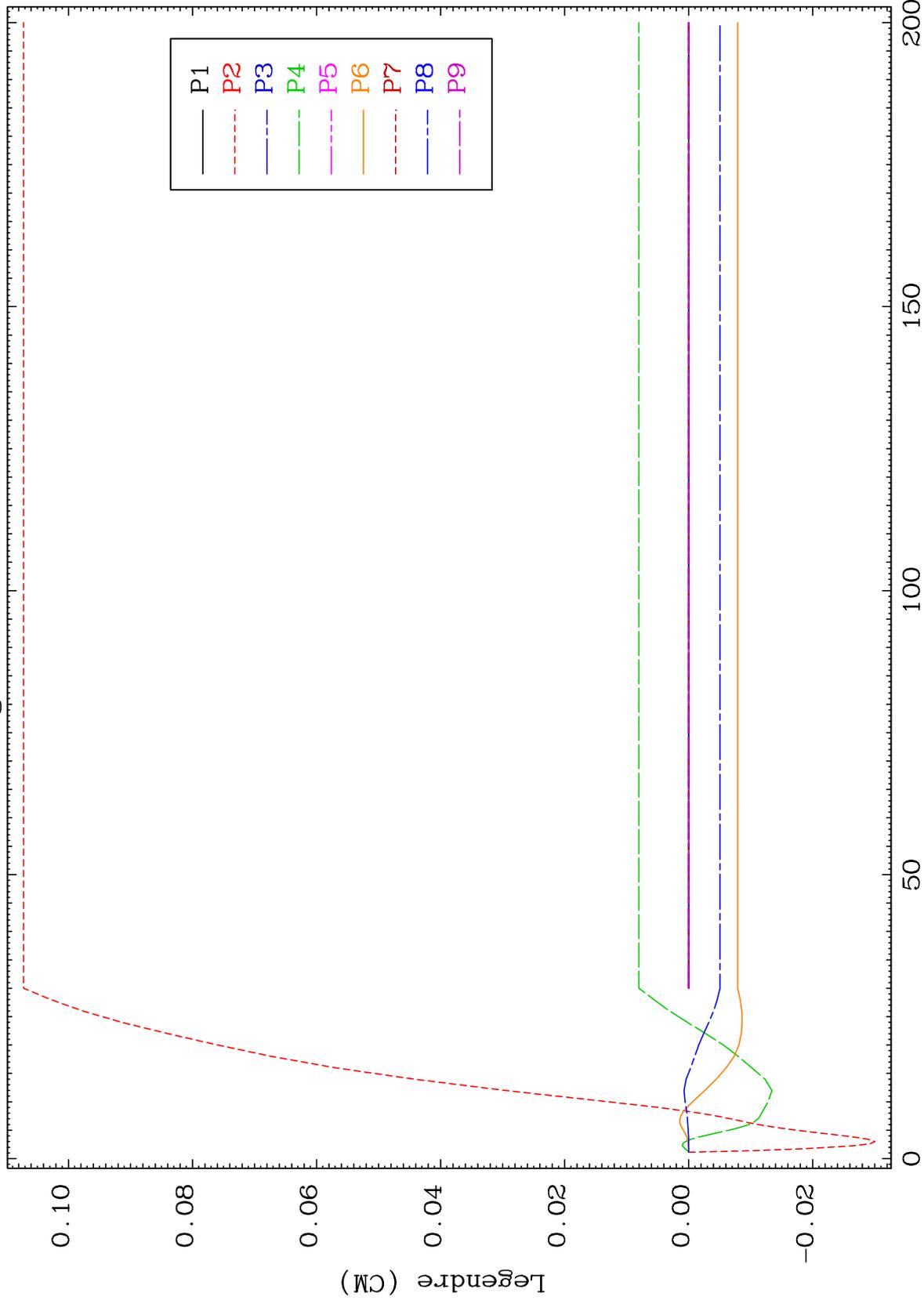
48-Cd-111



MAT 4840

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

48-Cd-111



91

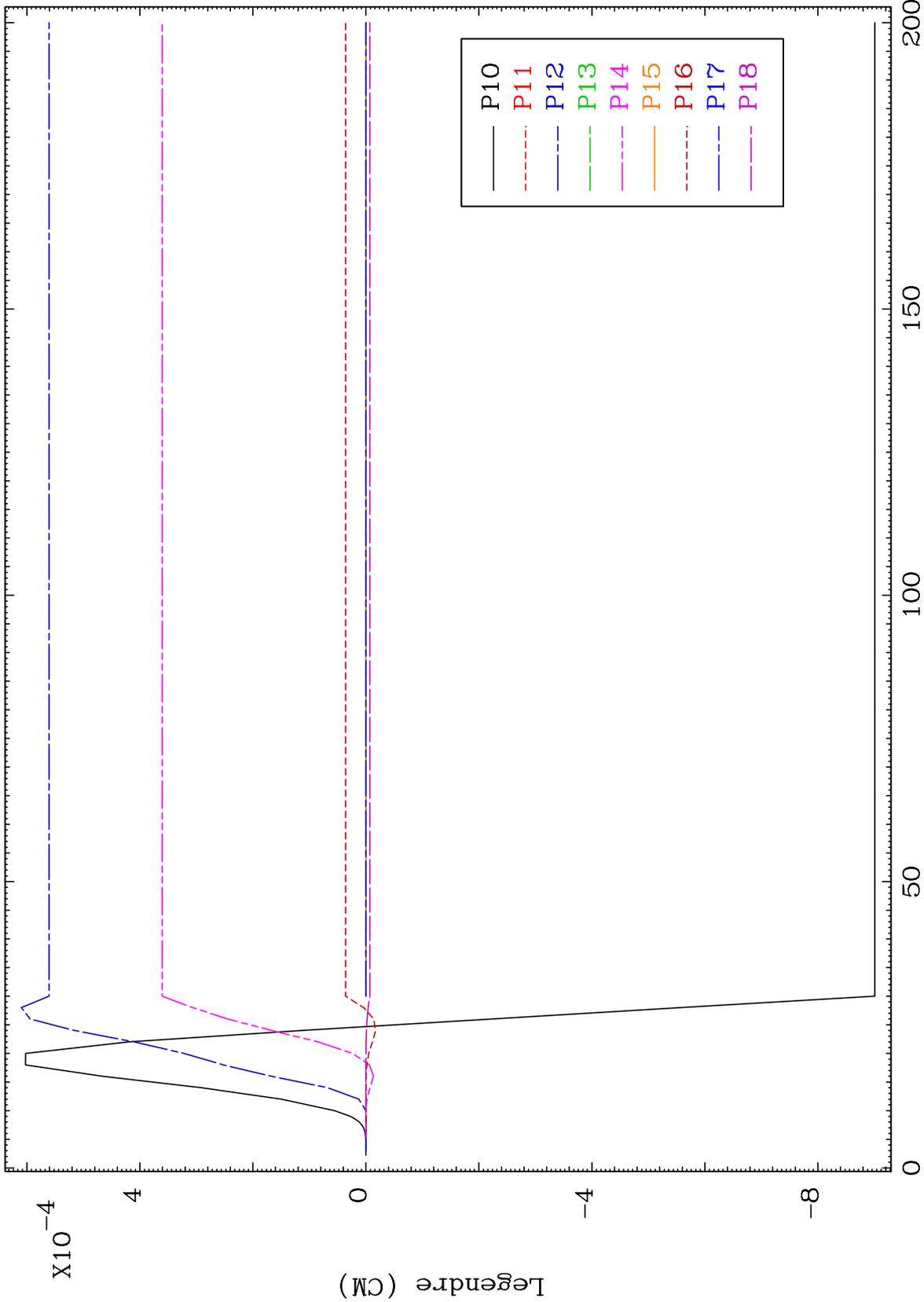
Incident Energy (MeV)

48-Cd-111

MAT 4840

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

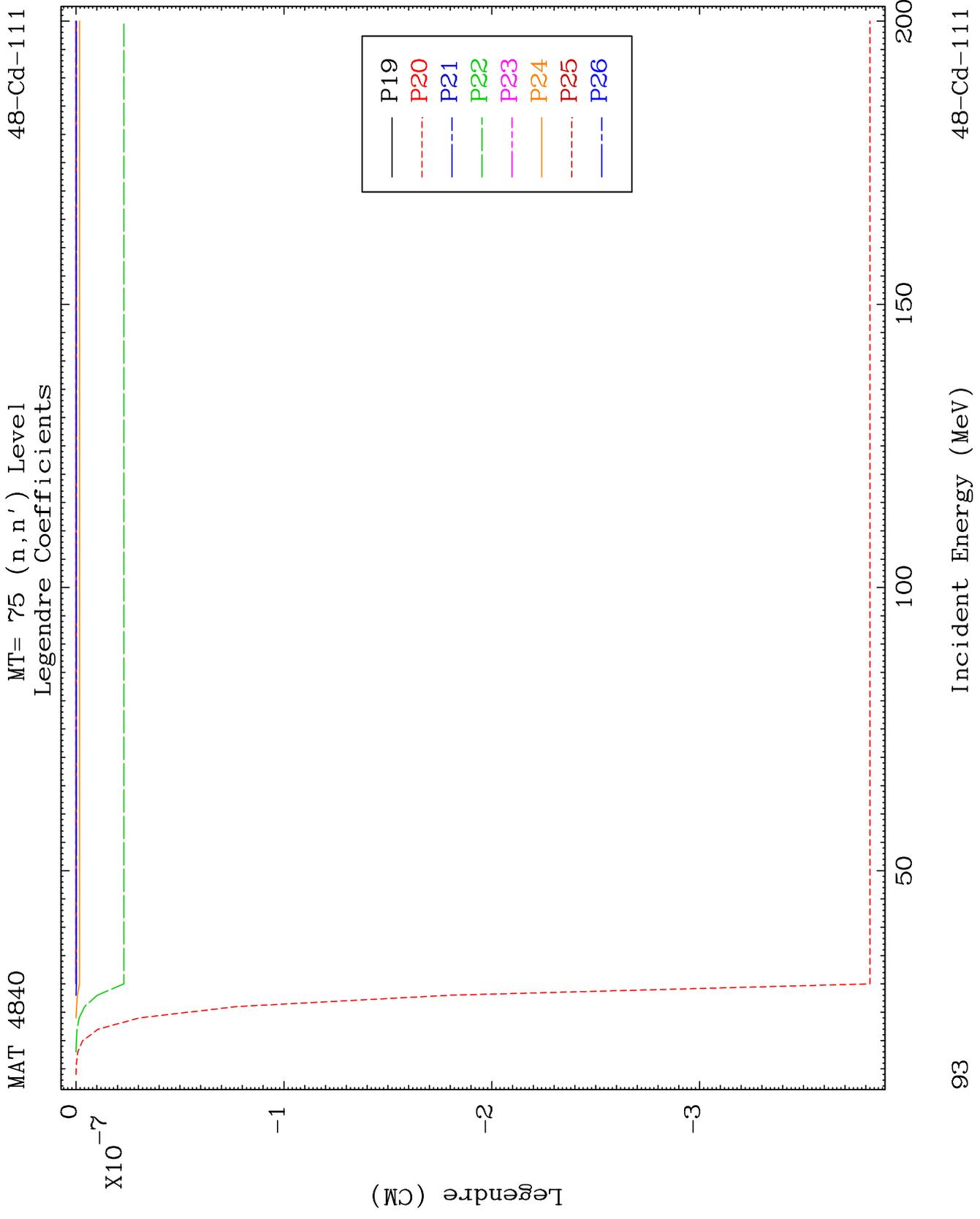
48-Cd-111



92

Incident Energy (MeV)

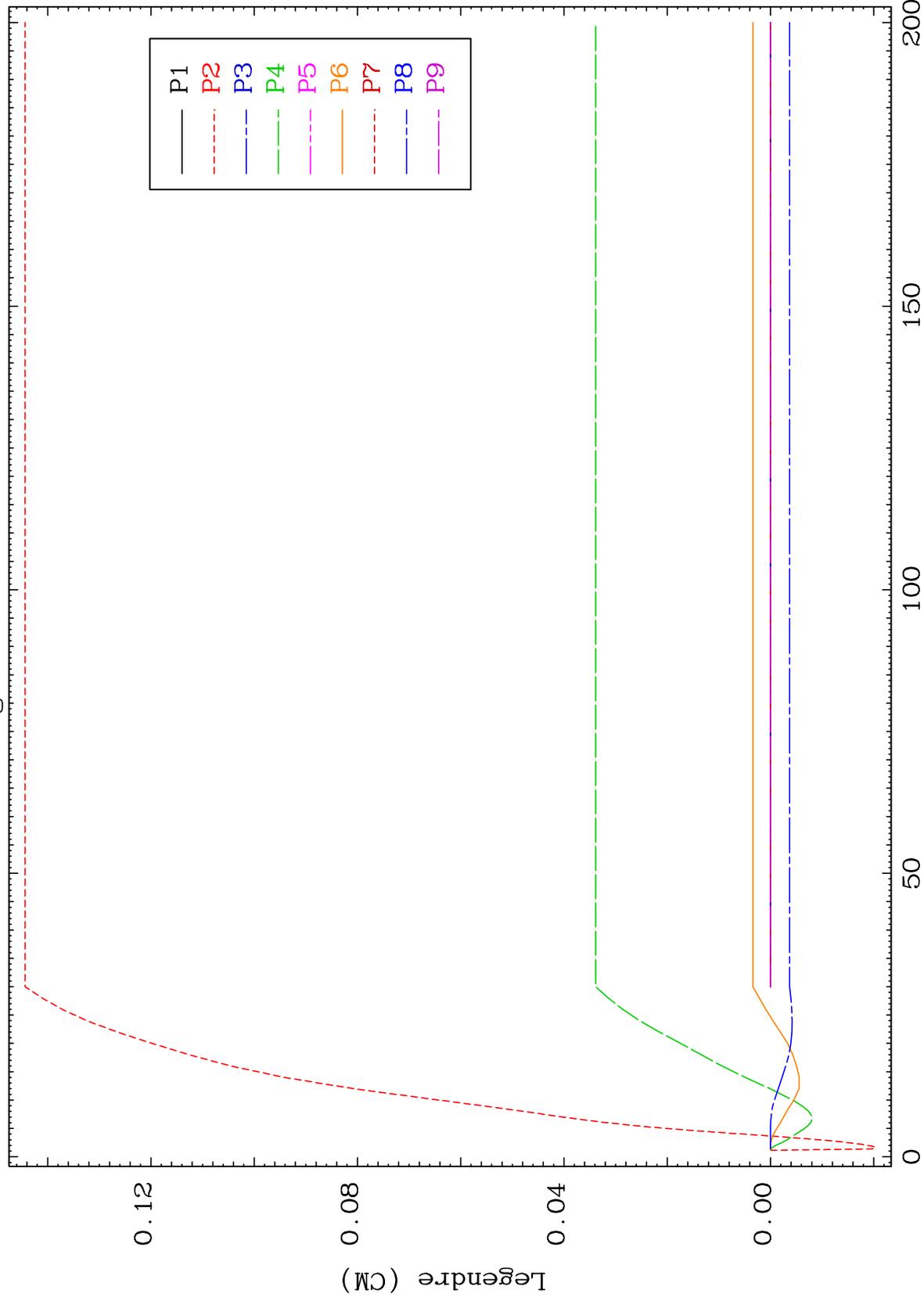
48-Cd-111



MAT 4840

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

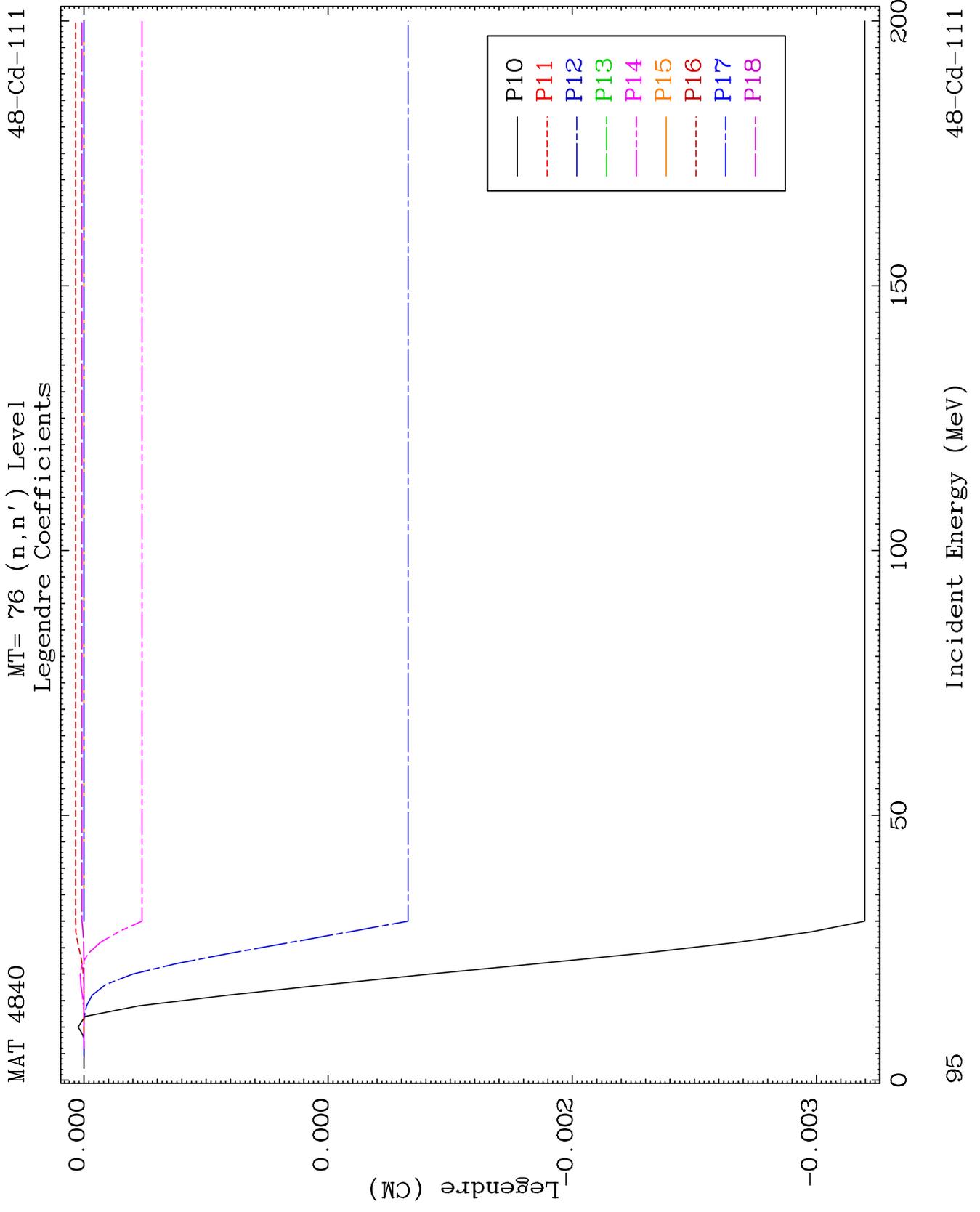
48-Cd-111

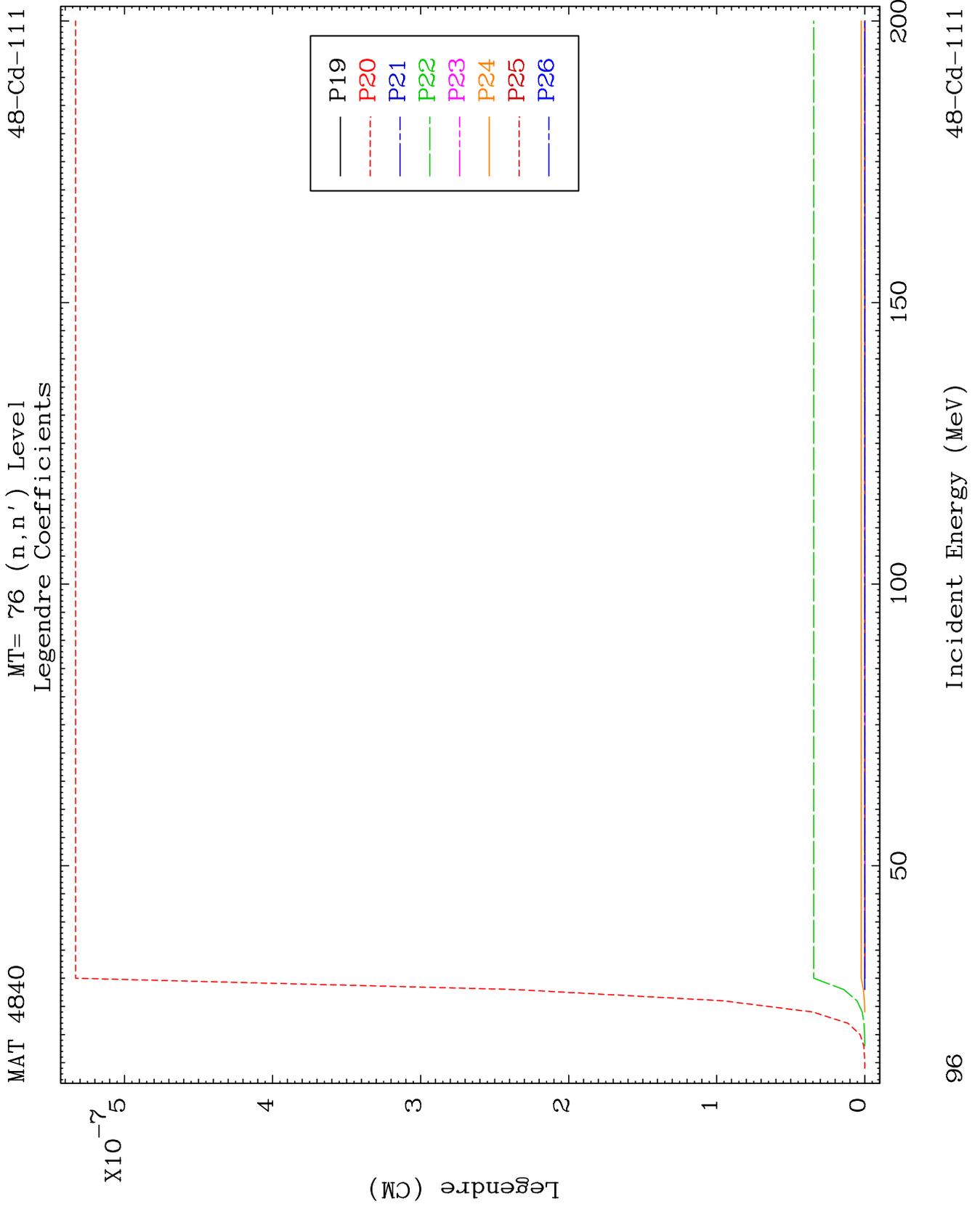


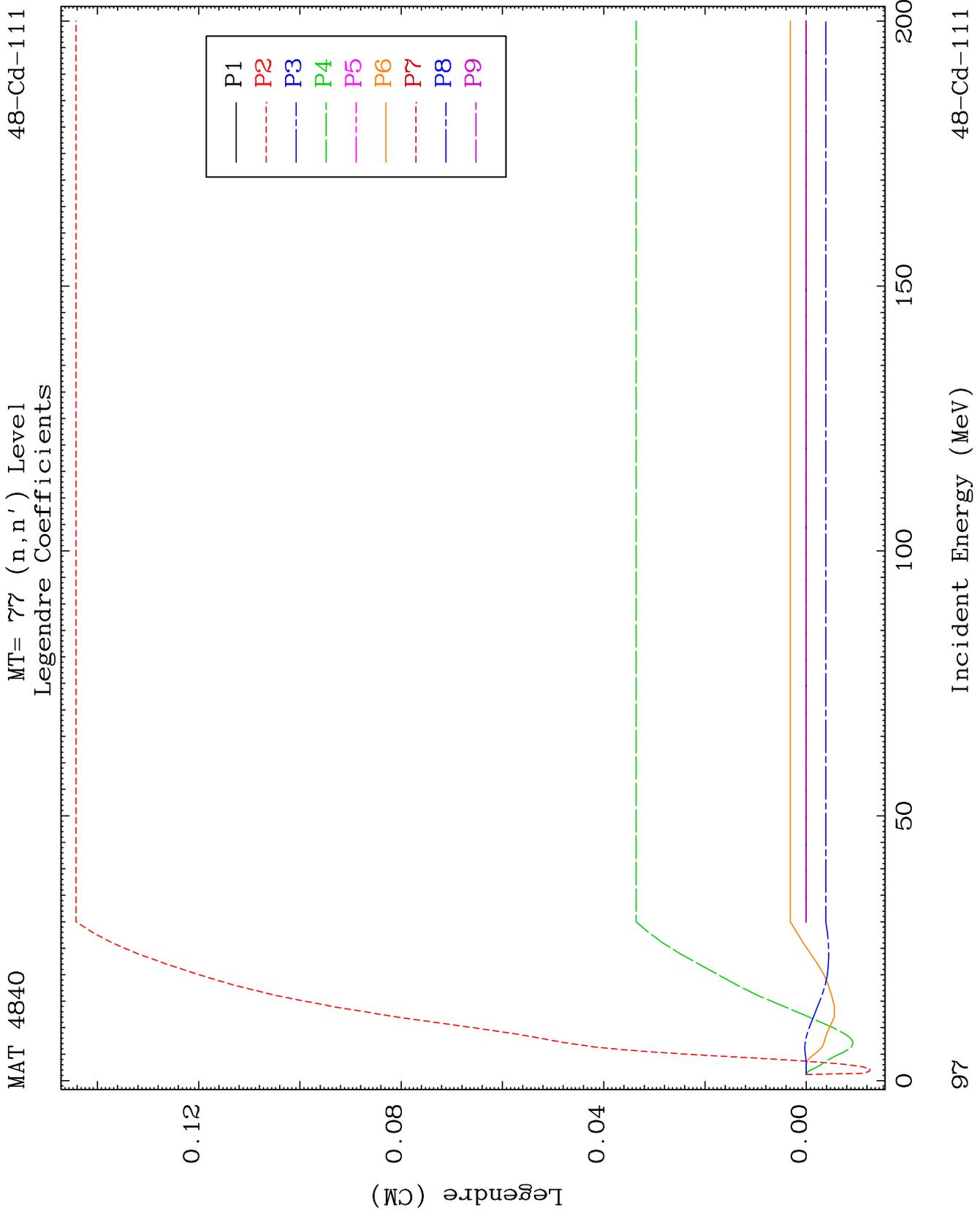
94

Incident Energy (MeV)

48-Cd-111







48-Cd-111

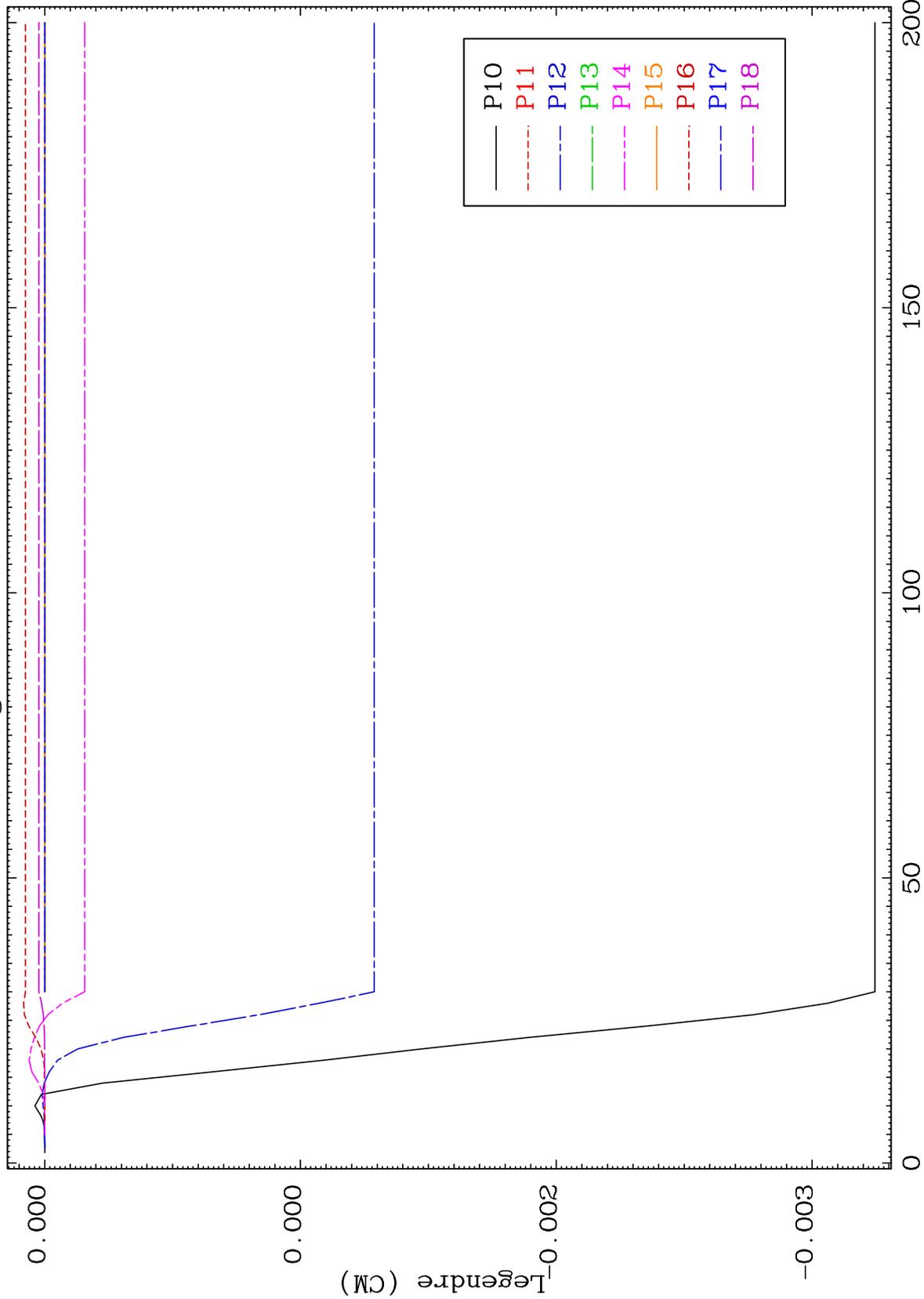
Incident Energy (MeV)

97

MAT 4840

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

48-Cd-111



98

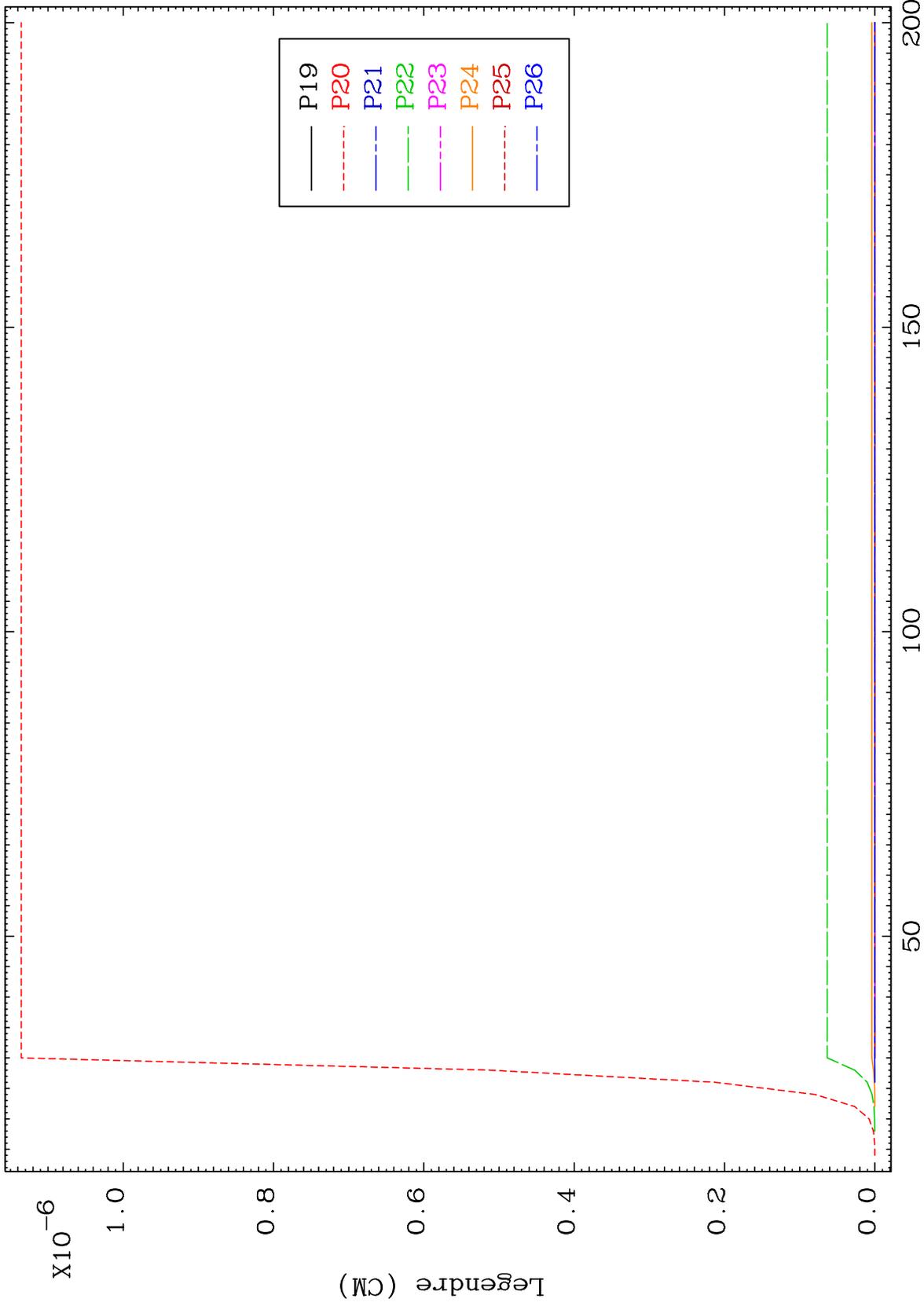
Incident Energy (MeV)

48-Cd-111

MAT 4840

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

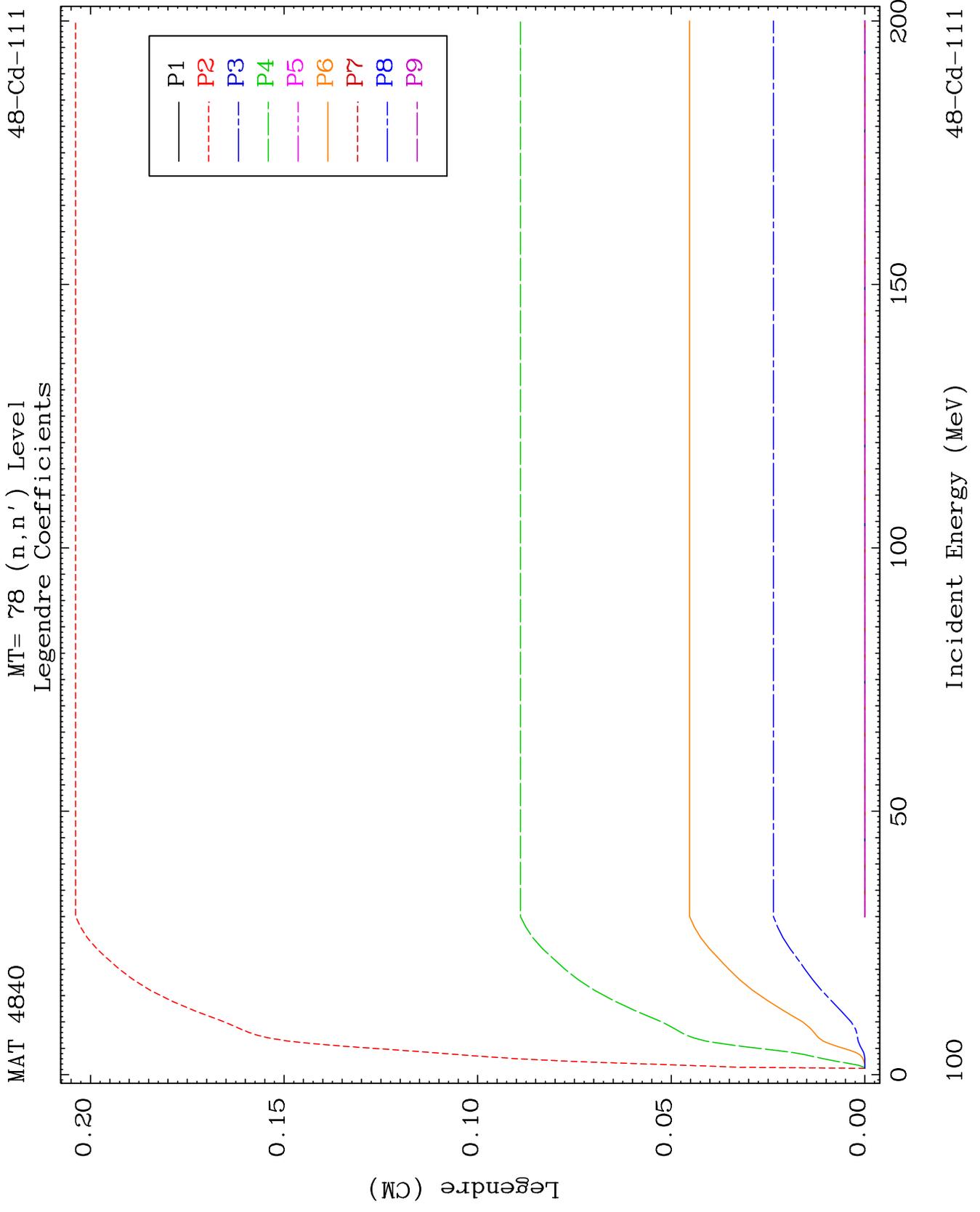
48-Cd-111



99

Incident Energy (MeV)

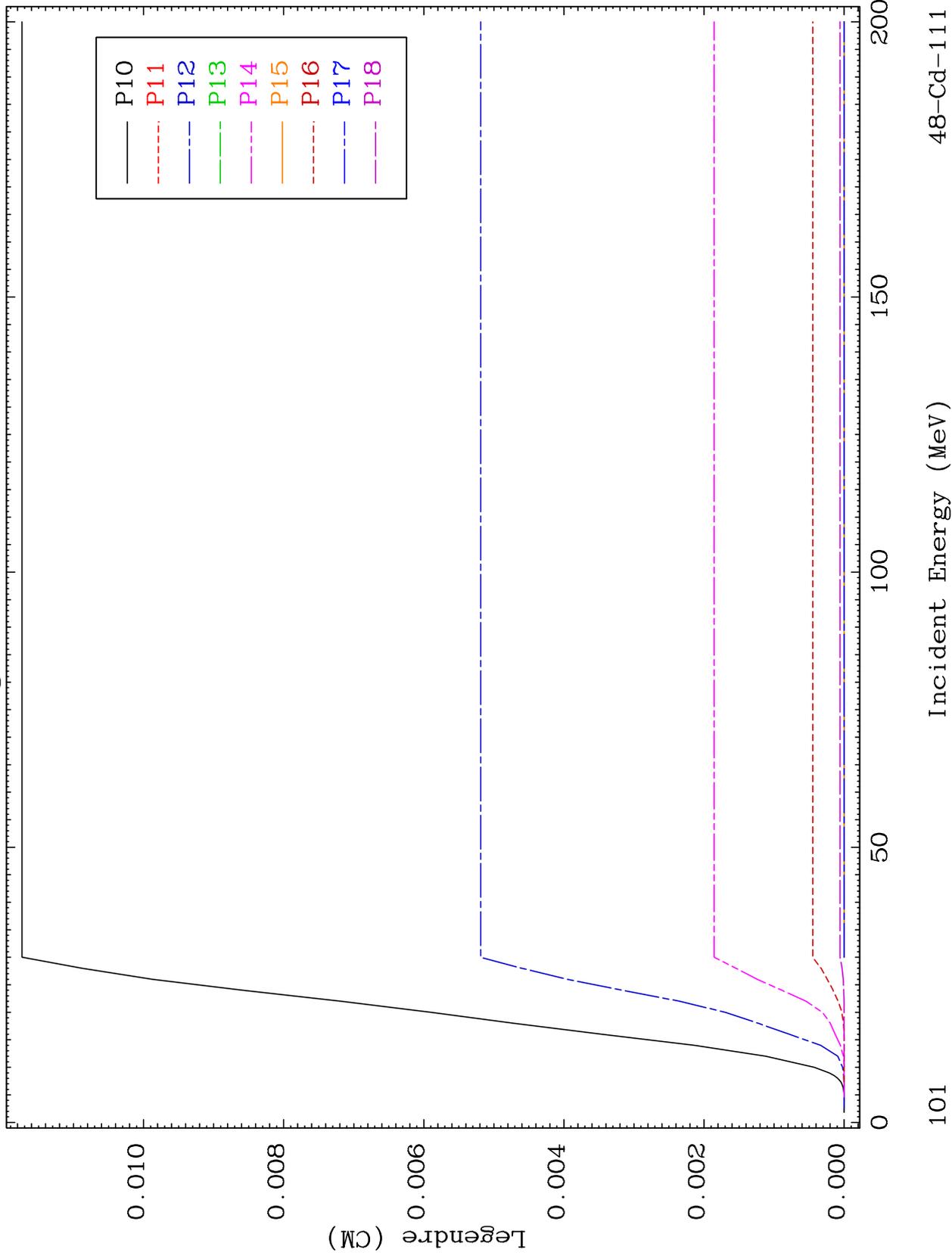
48-Cd-111



MAT 4840

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

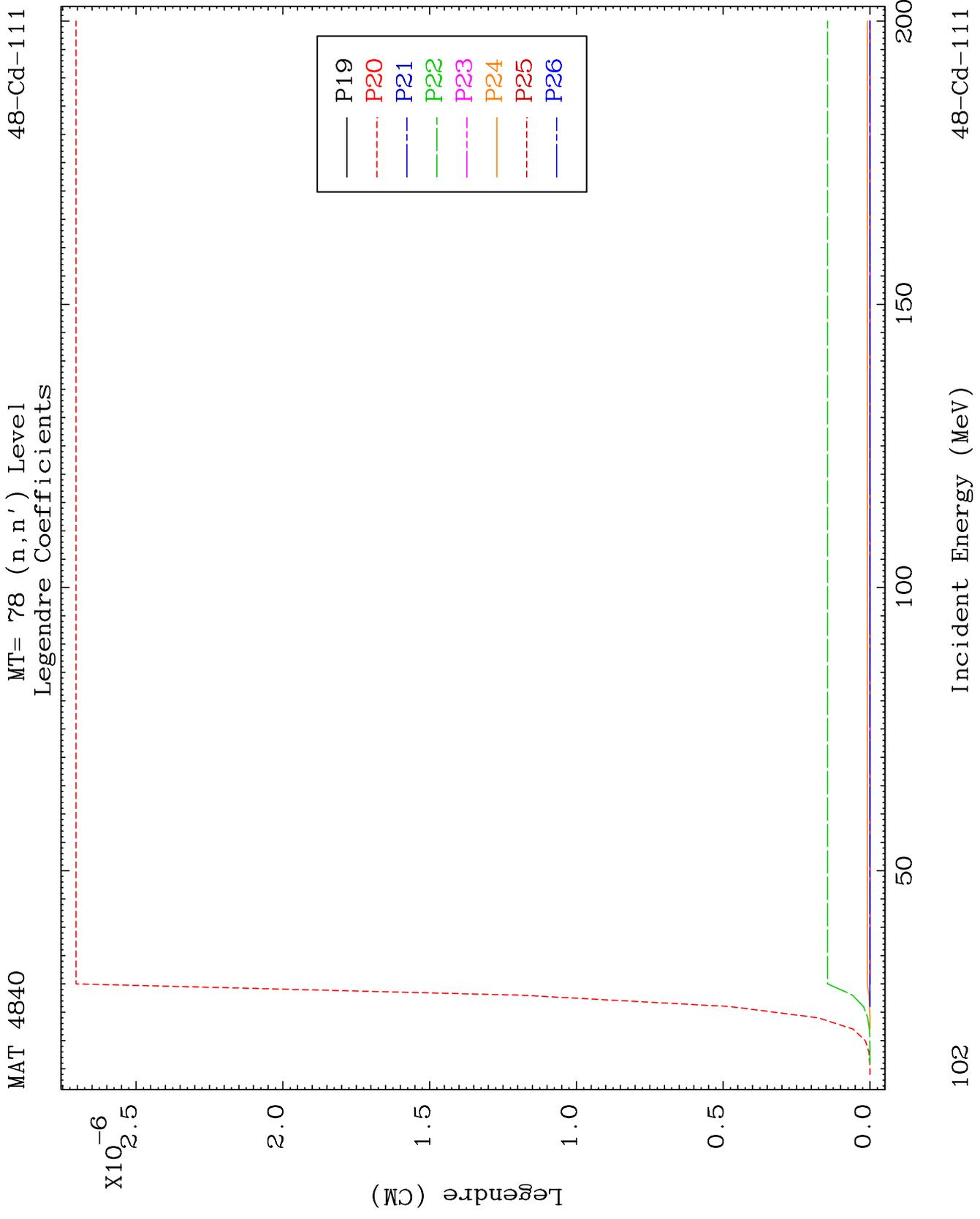
48-Cd-111

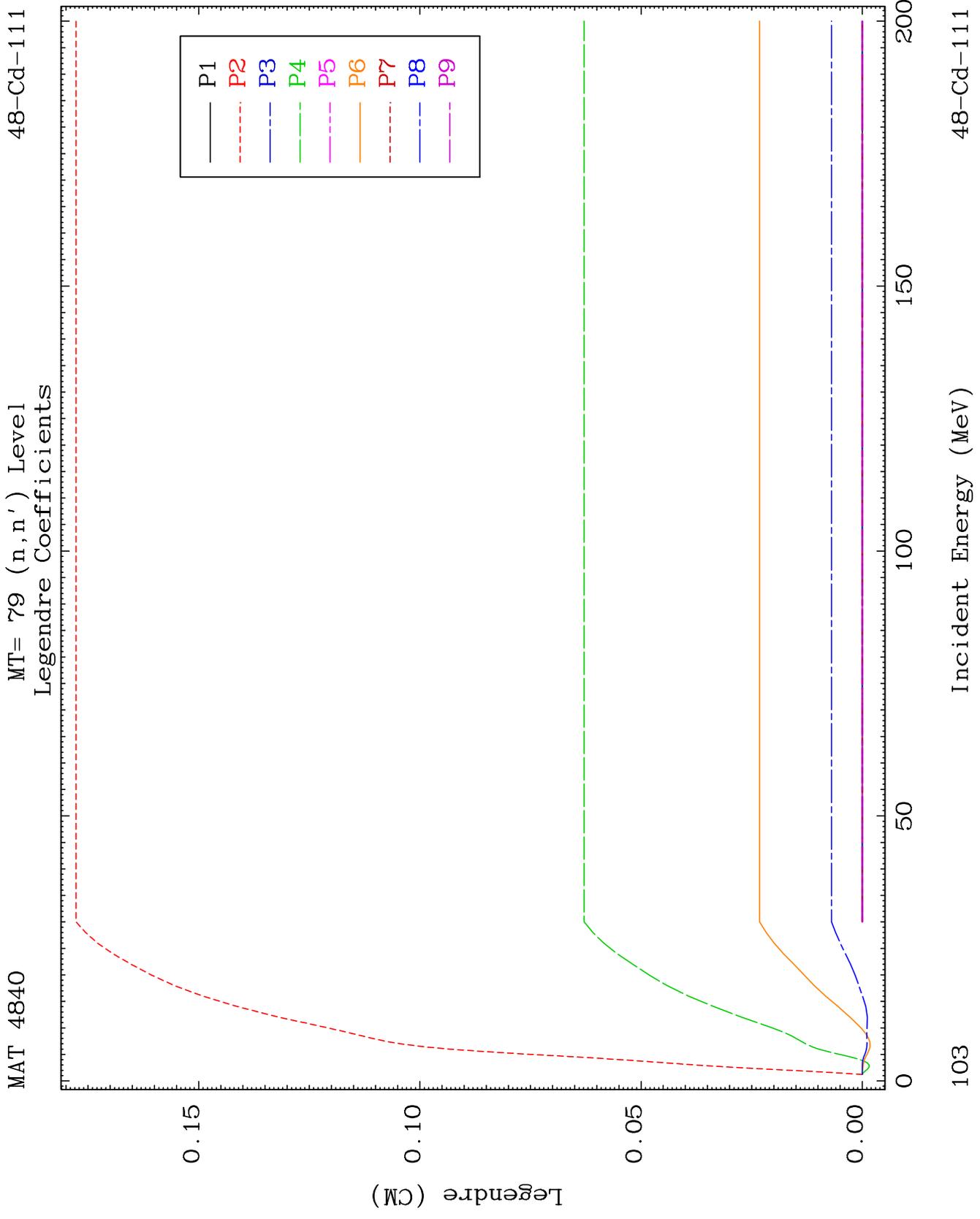


48-Cd-111

Incident Energy (MeV)

101

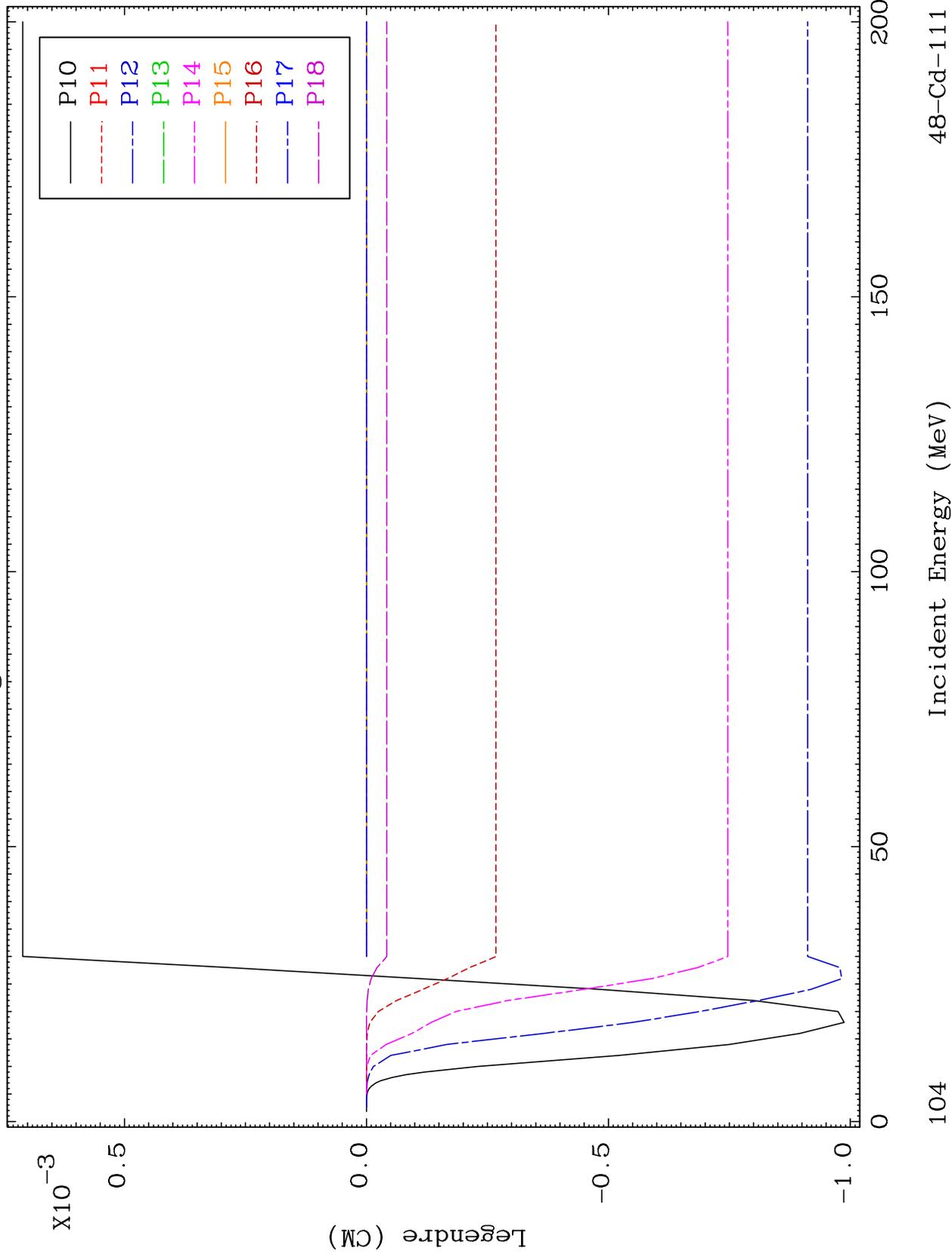




MAT 4840

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

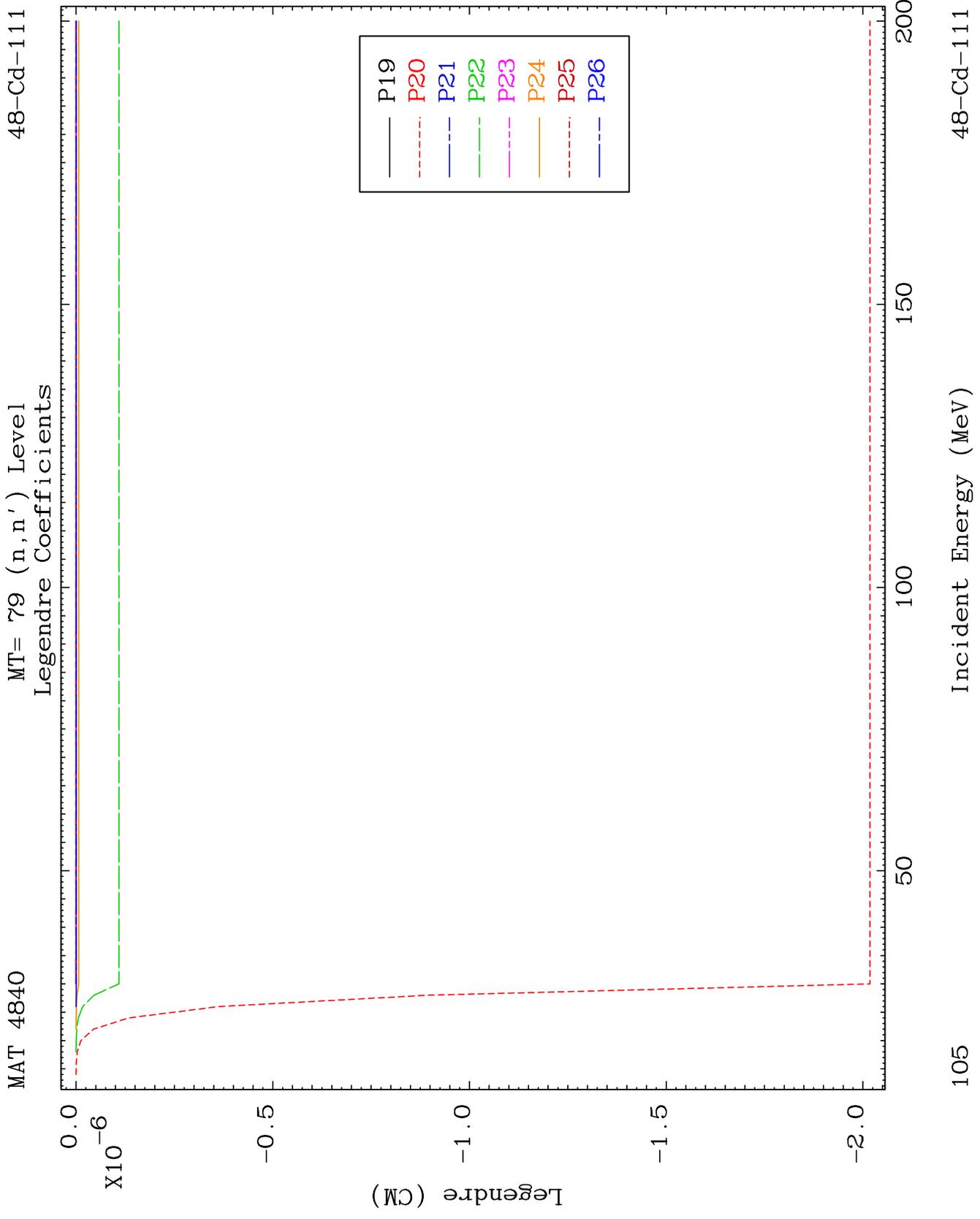
48-Cd-111



48-Cd-111

Incident Energy (MeV)

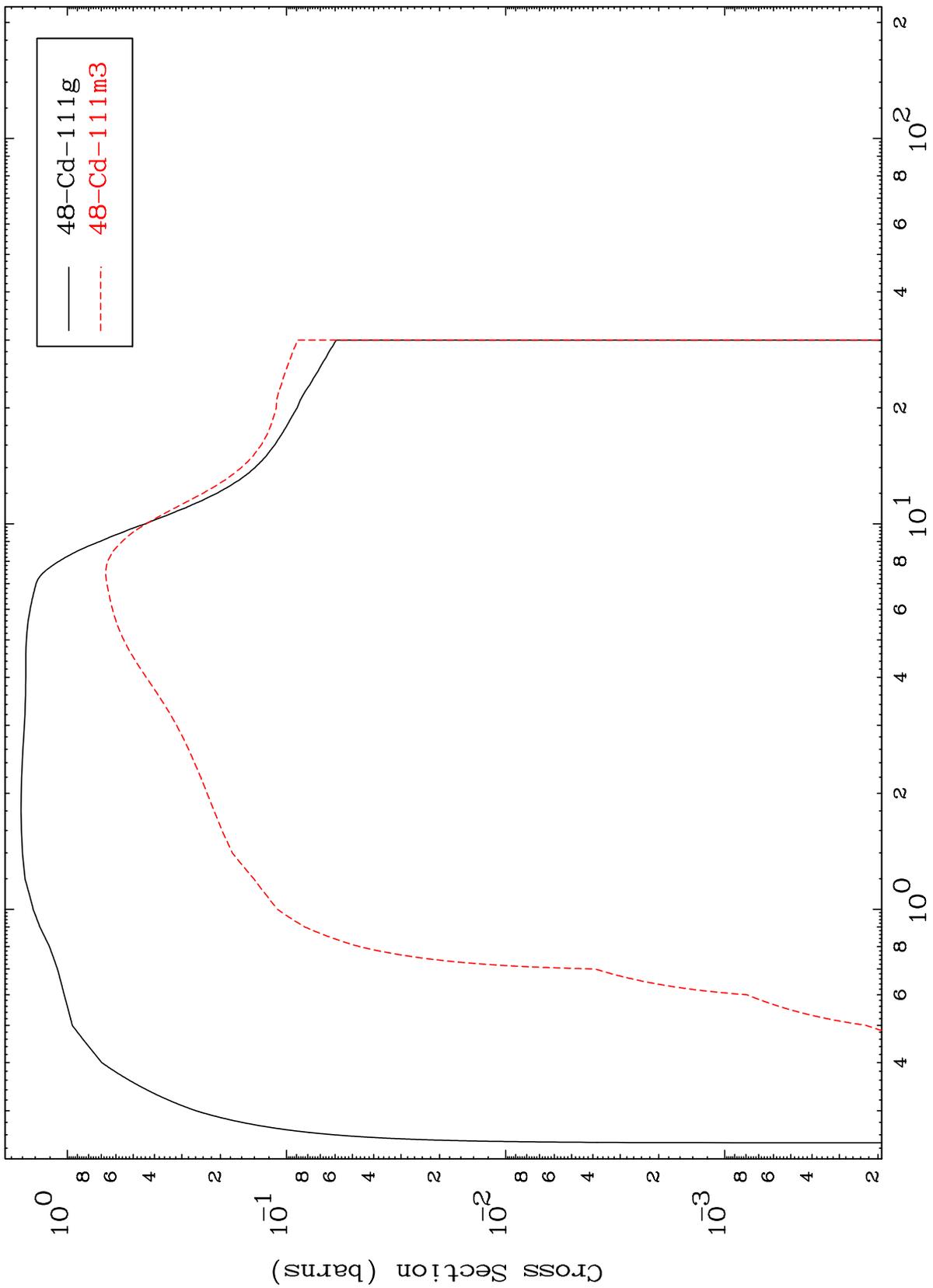
104



MAT 4840

48-Cd-111

Inelastic
Radionuclide Production Cross Section



106

Incident Energy (MeV)

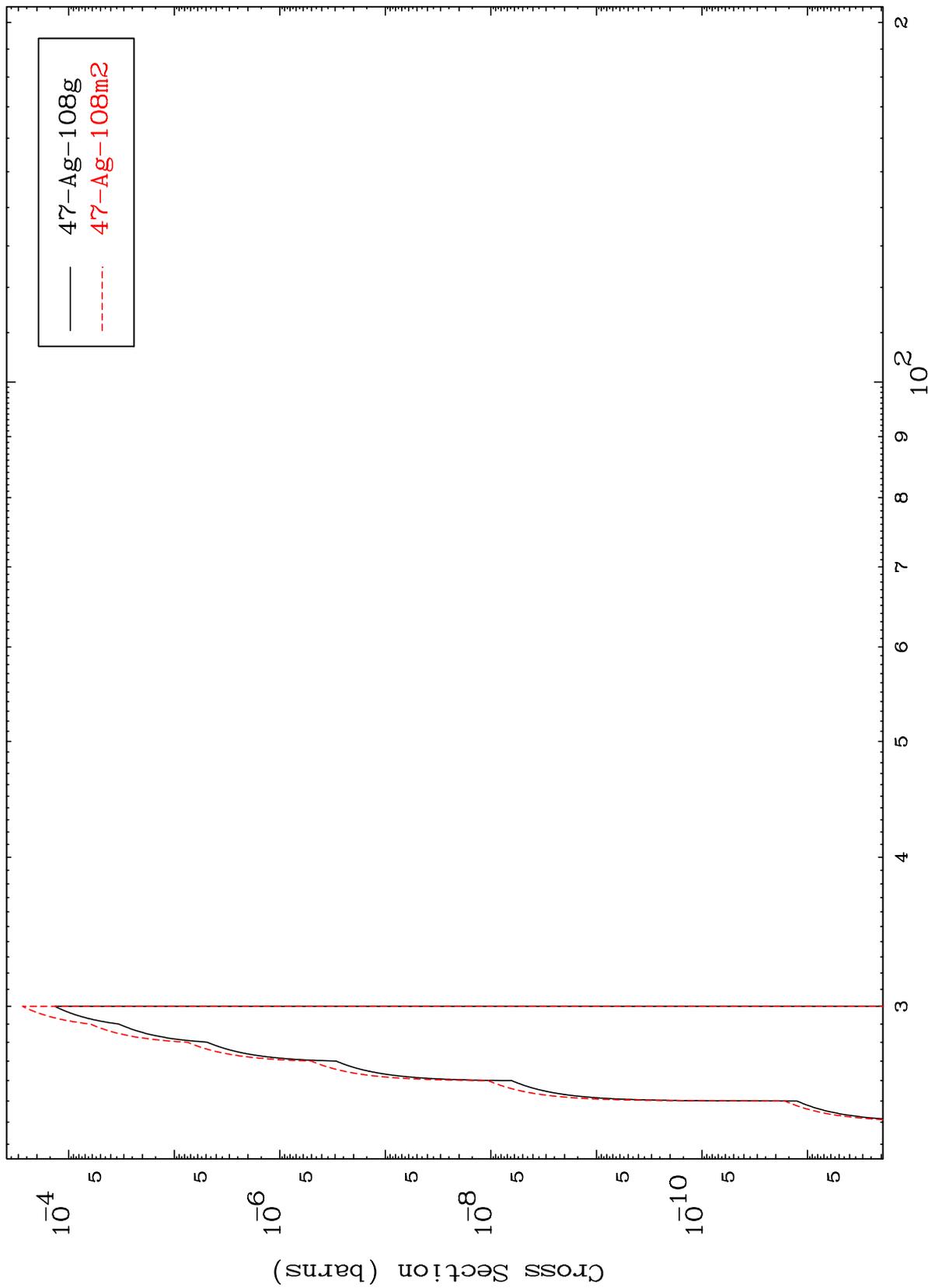
48-Cd-111

MAT 4840

(n,2n) d

48-Cd-111

Radionuclide Production Cross Section



107

Incident Energy (MeV)

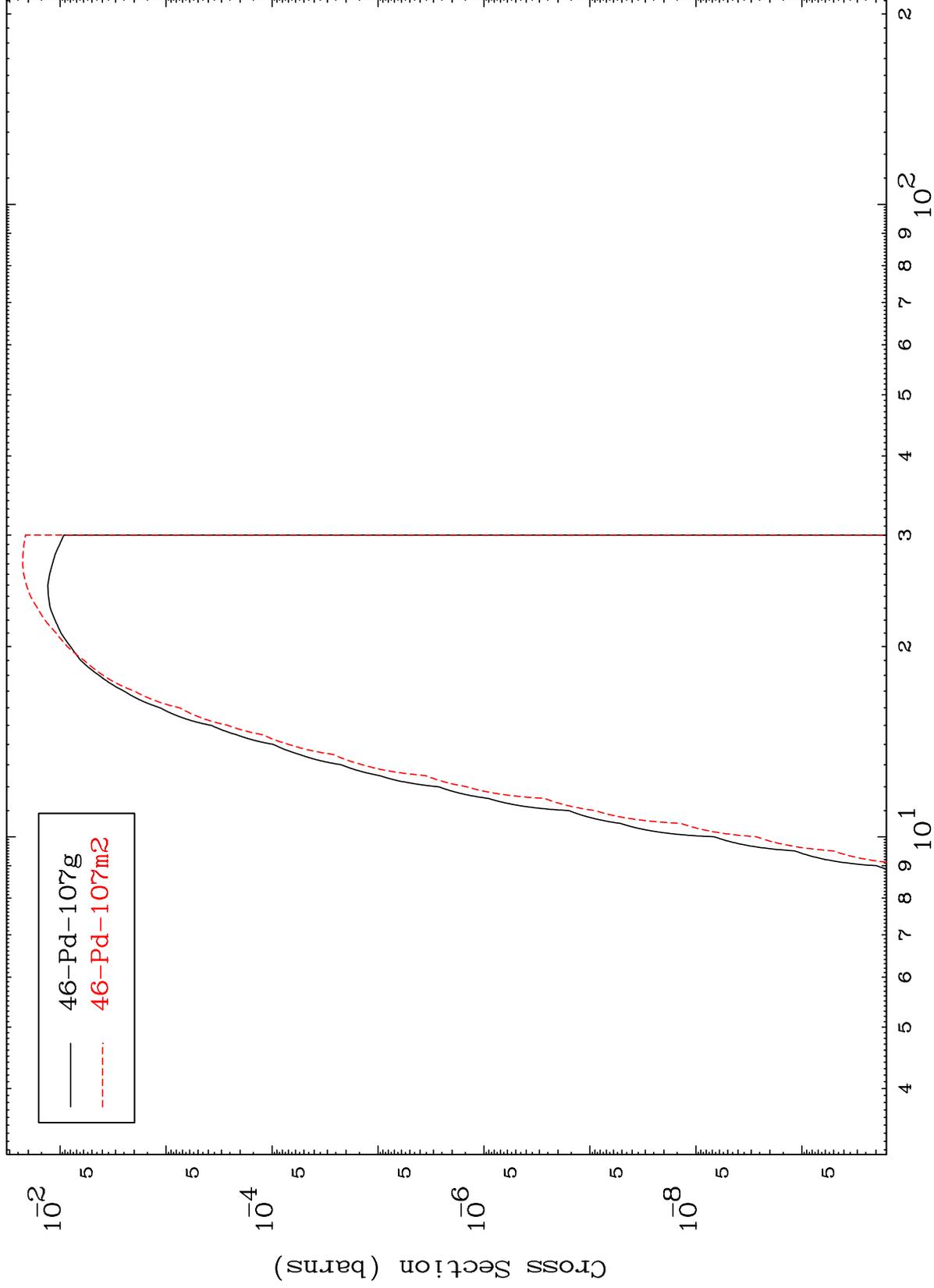
48-Cd-111

MAT 4840

(n,n') α

48-Cd-111

Radionuclide Production Cross Section



108

Incident Energy (MeV)

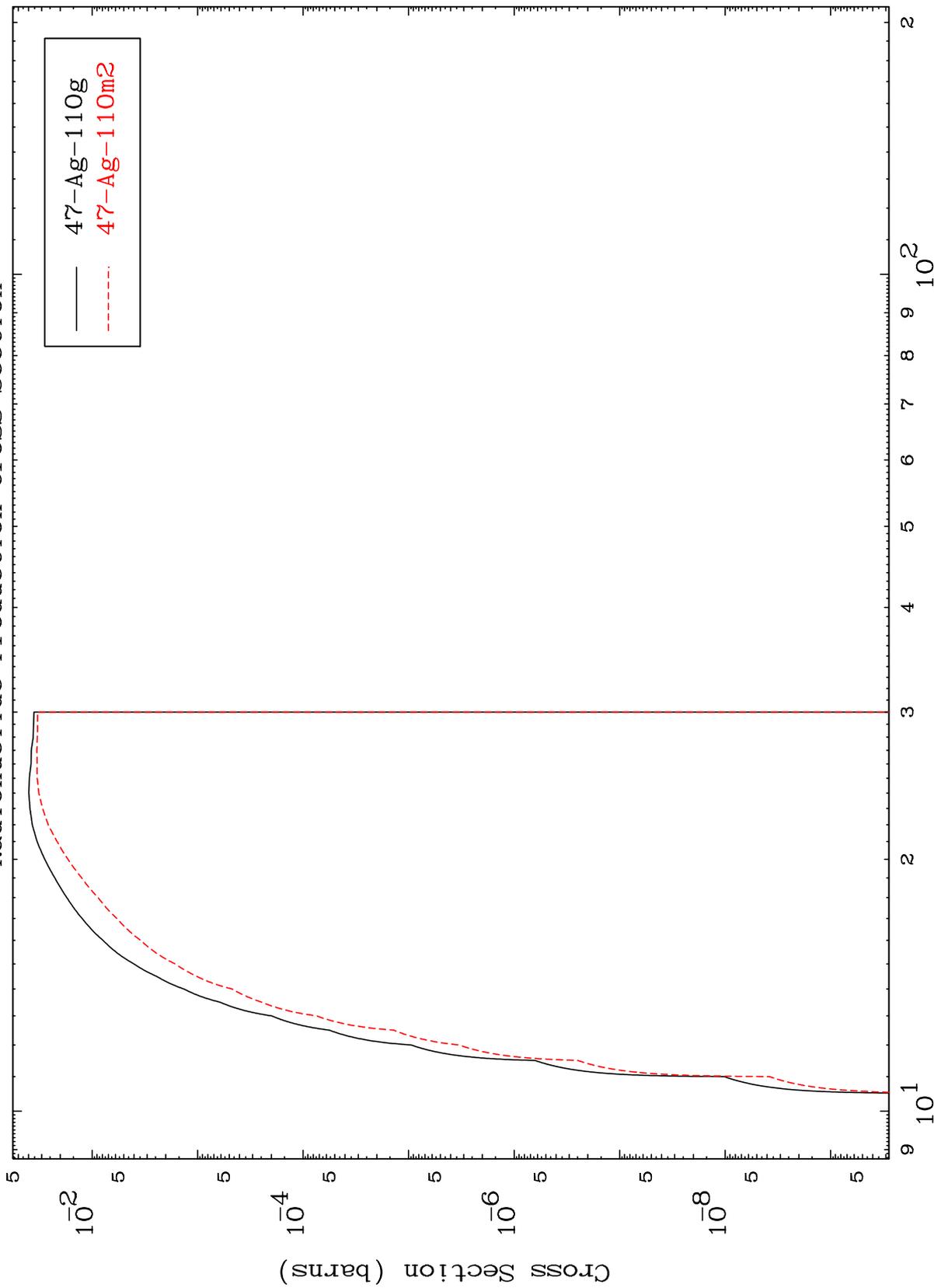
48-Cd-111

MAT 4840

(n,n') p

48-Cd-111

Radionuclide Production Cross Section



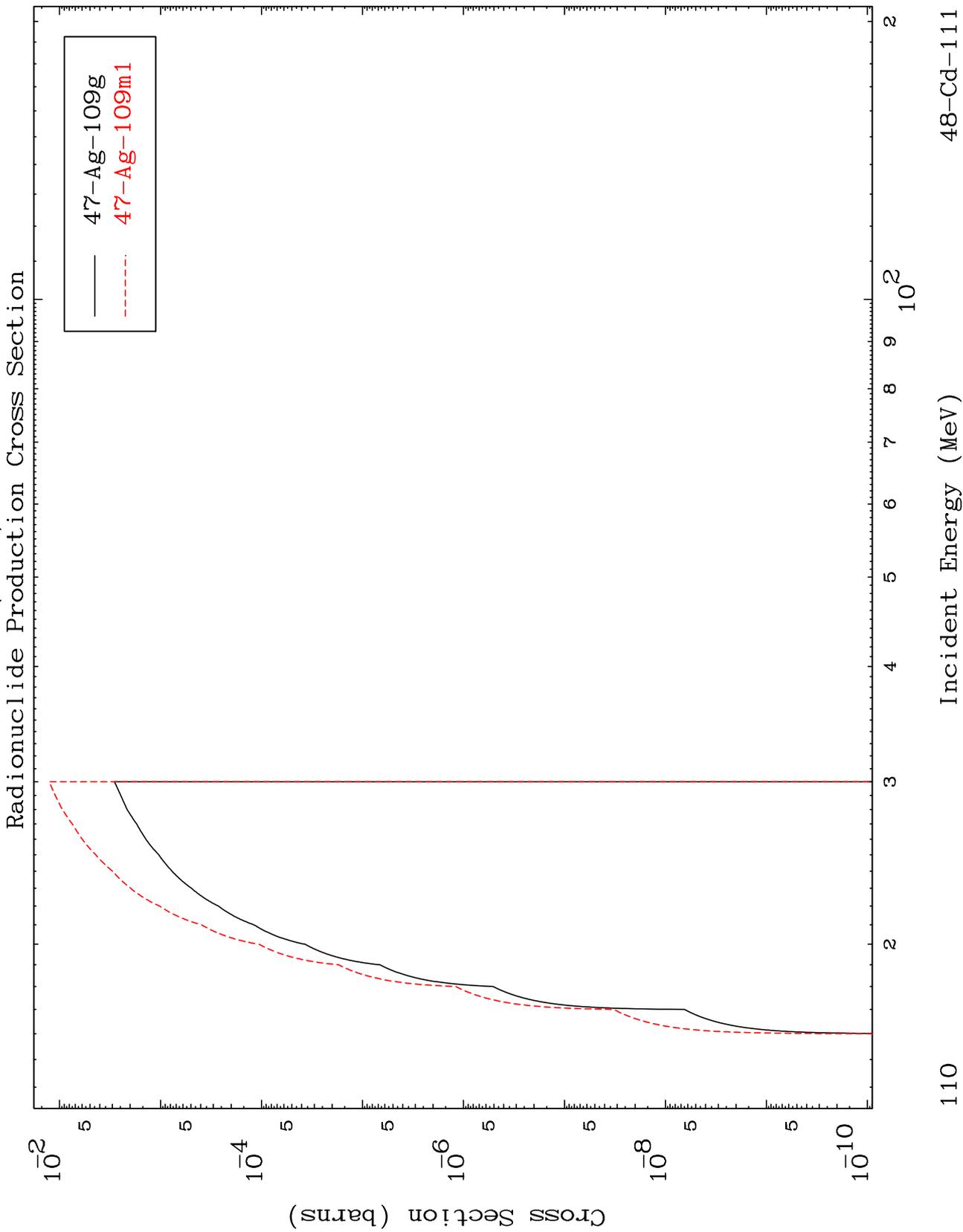
Incident Energy (MeV)

48-Cd-111

MAT 4840

(n,n') d

48-Cd-111



110

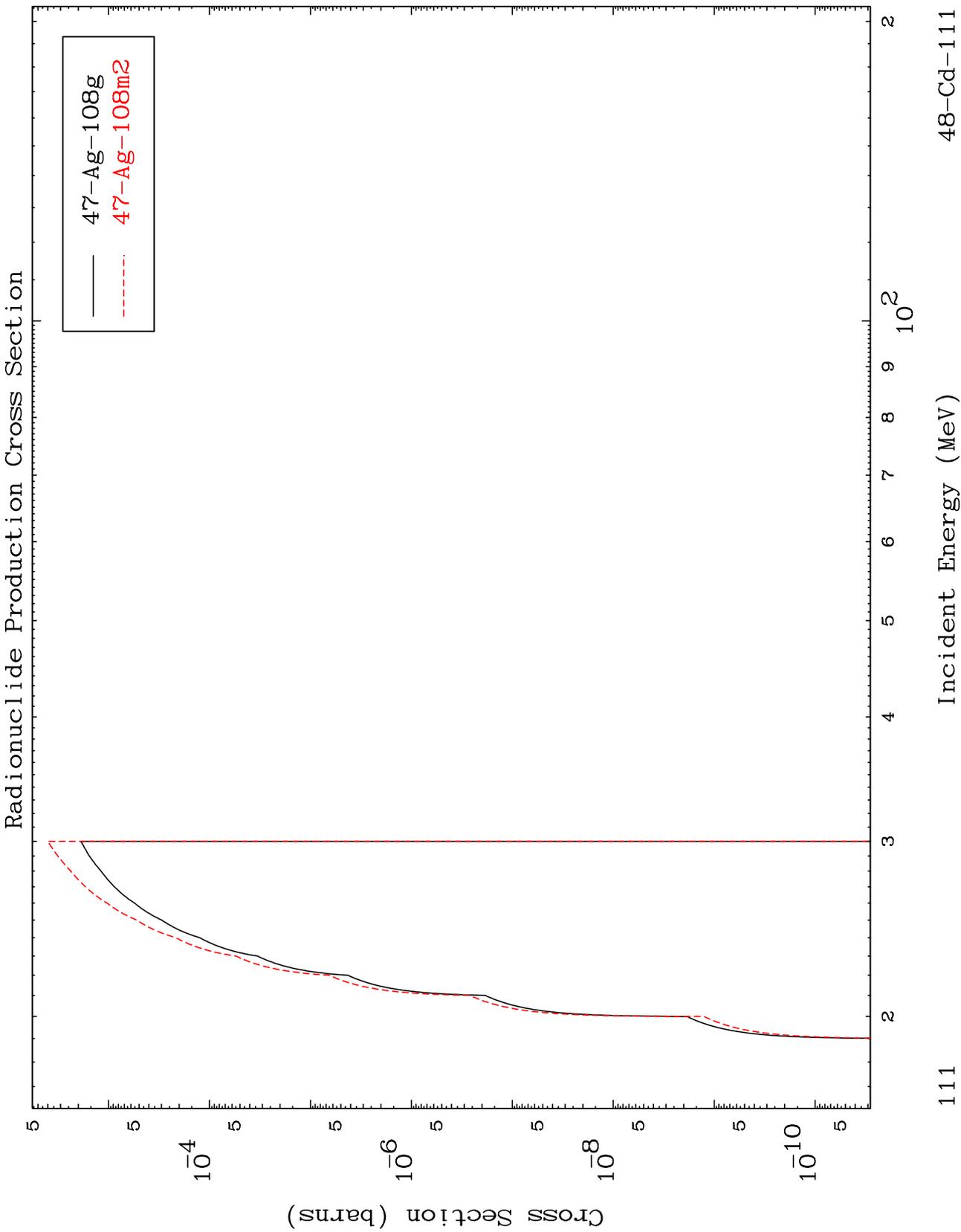
Incident Energy (MeV)

48-Cd-111

MAT 4840

(n,n') t

48-Cd-111



111

Incident Energy (MeV)

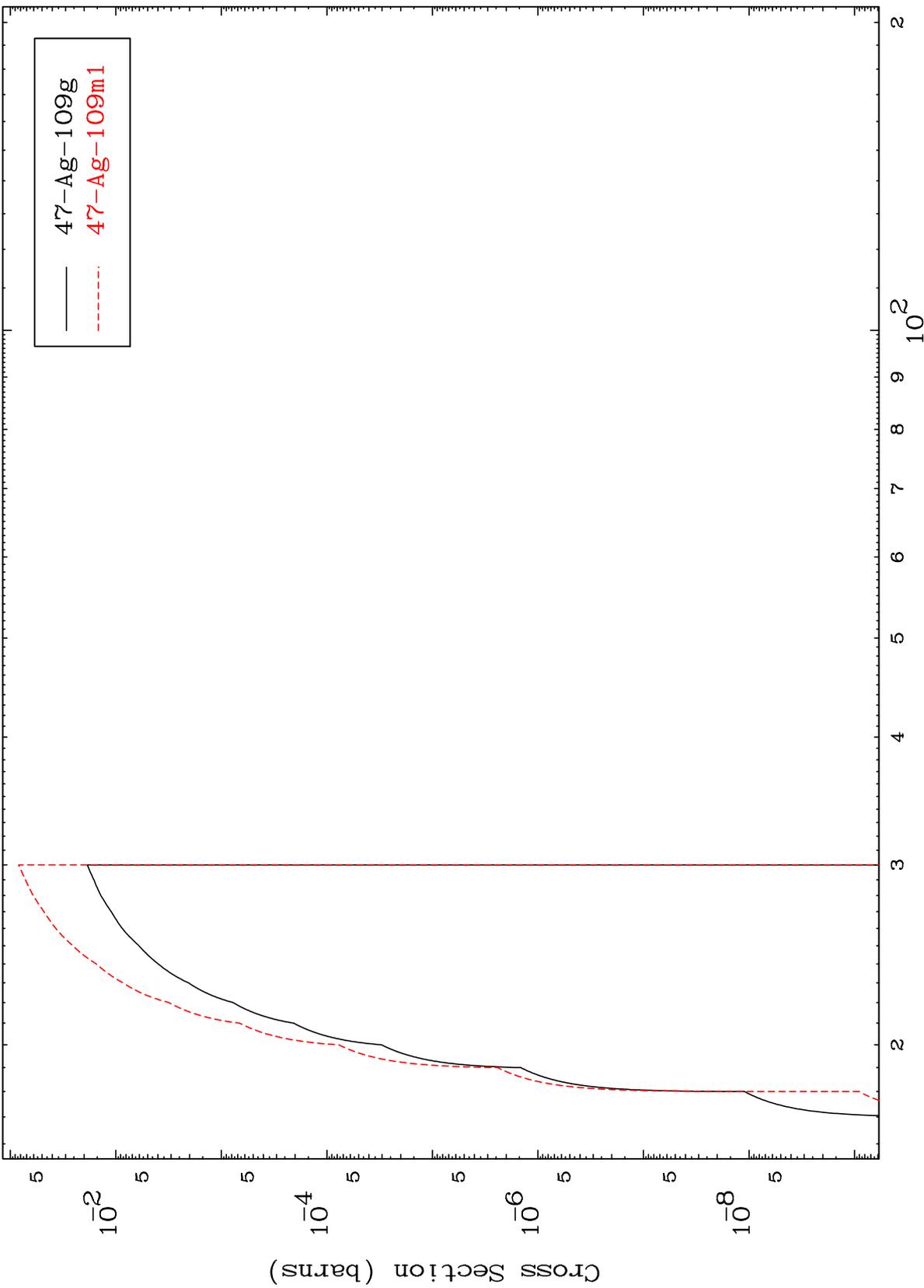
48-Cd-111

MAT 4840

(n,2n) p

48-Cd-111

Radionuclide Production Cross Section



112

Incident Energy (MeV)

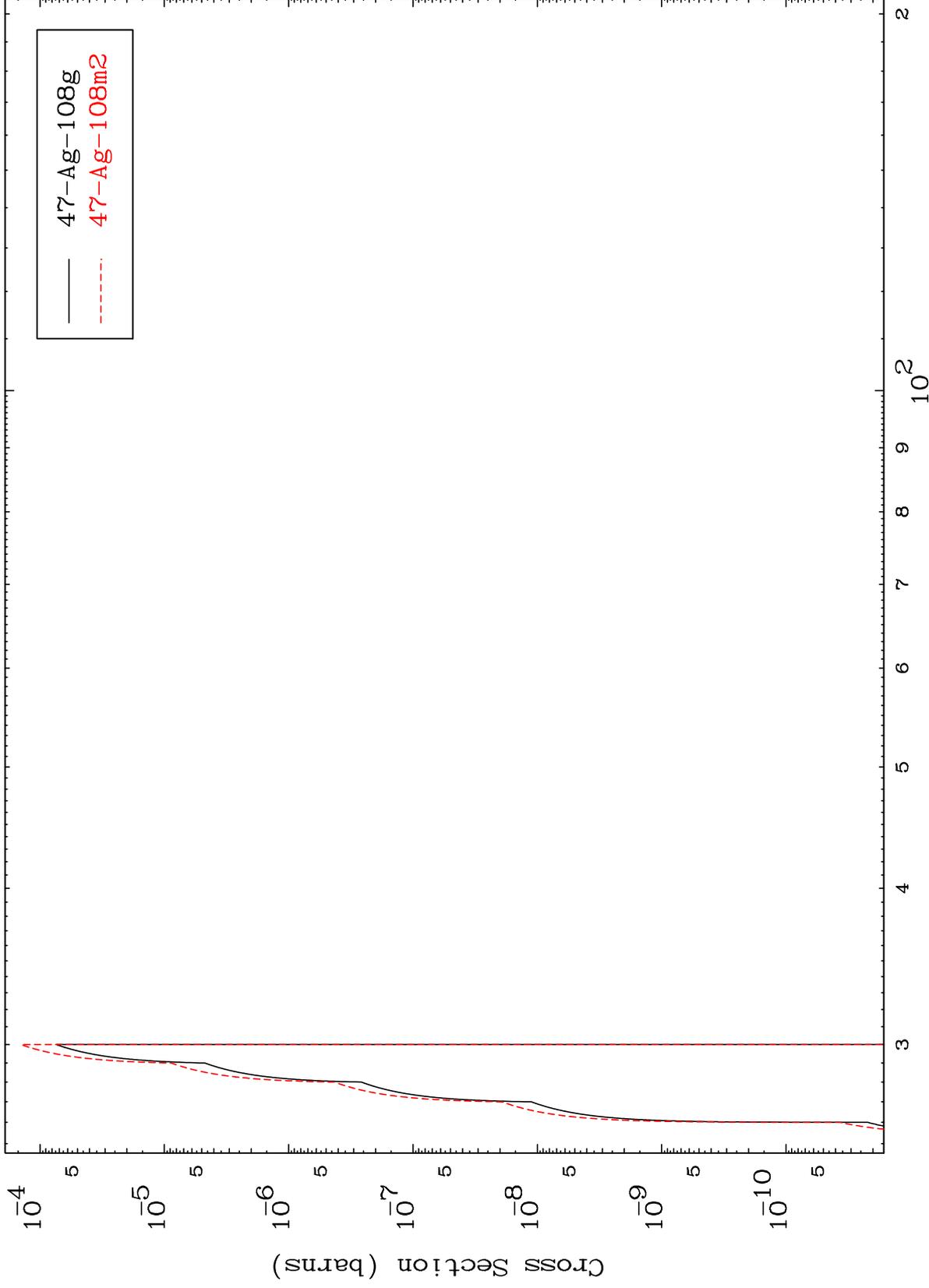
48-Cd-111

MAT 4840

(n,3n) p

48-Cd-111

Radionuclide Production Cross Section

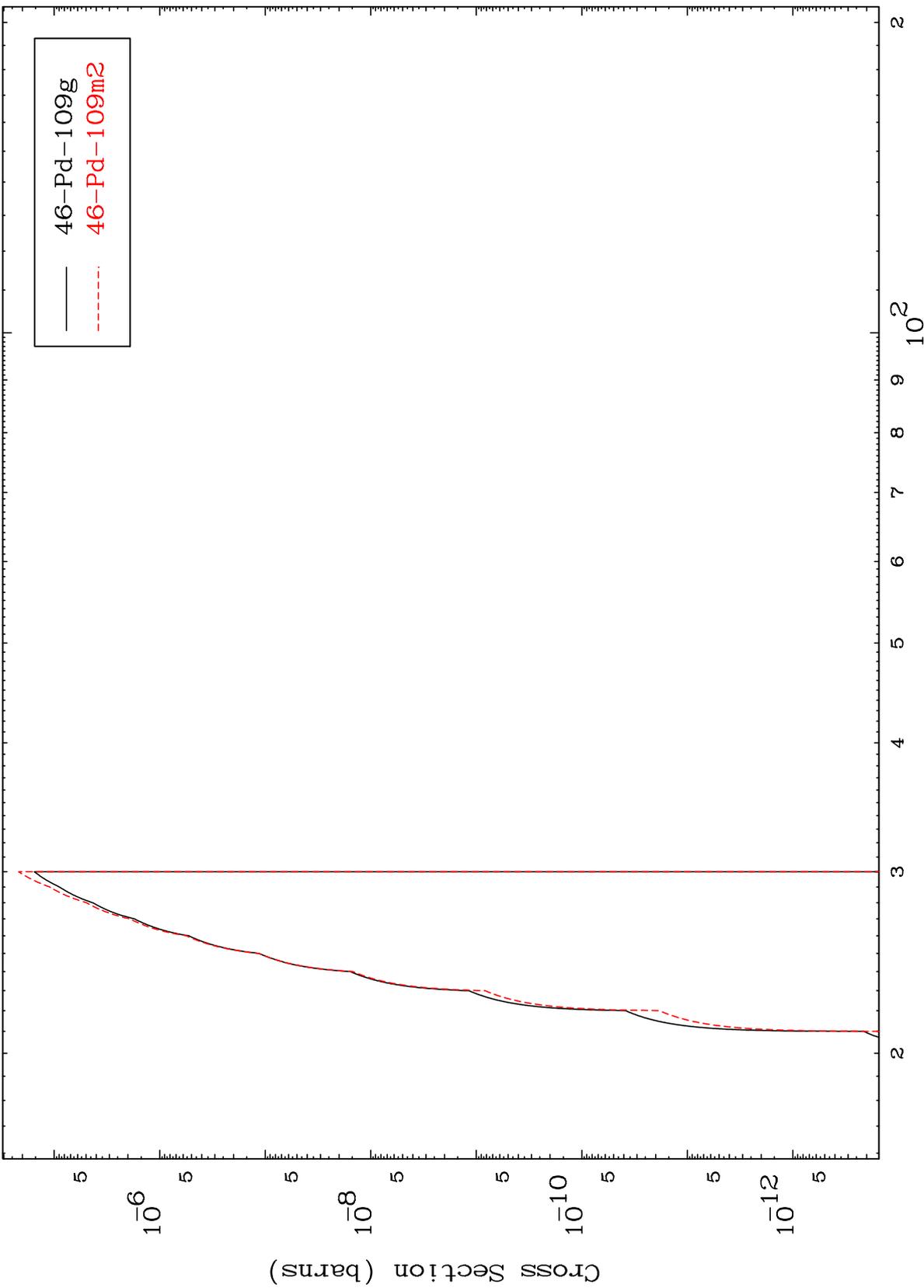


113

Incident Energy (MeV)

48-Cd-111

Radionuclide Production Cross Section

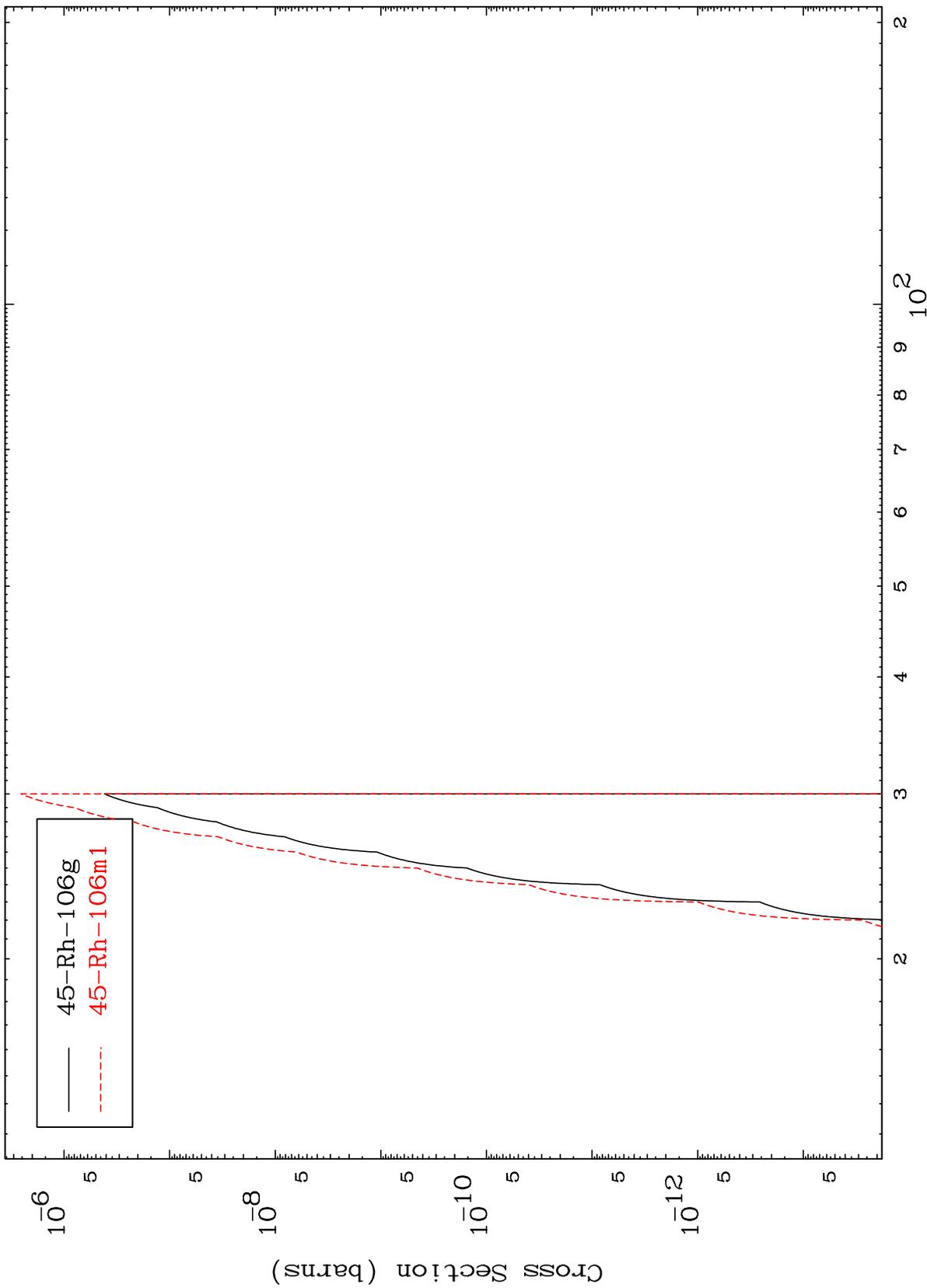


MAT 4840

(n,n') p α

48-Cd-111

Radionuclide Production Cross Section



115

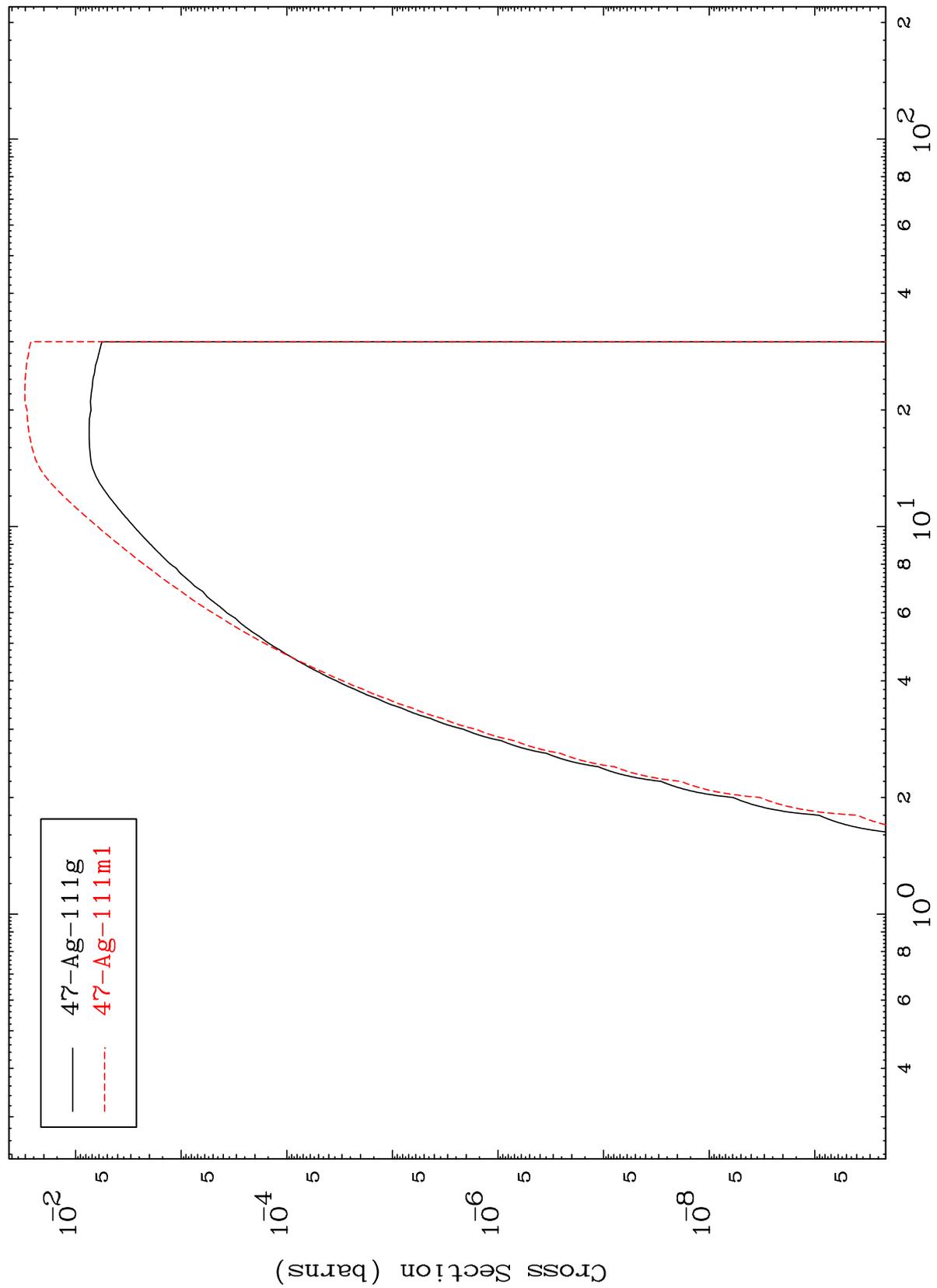
Incident Energy (MeV)

48-Cd-111

MAT 4840

48-Cd-111

(n,p)
Radionuclide Production Cross Section



116

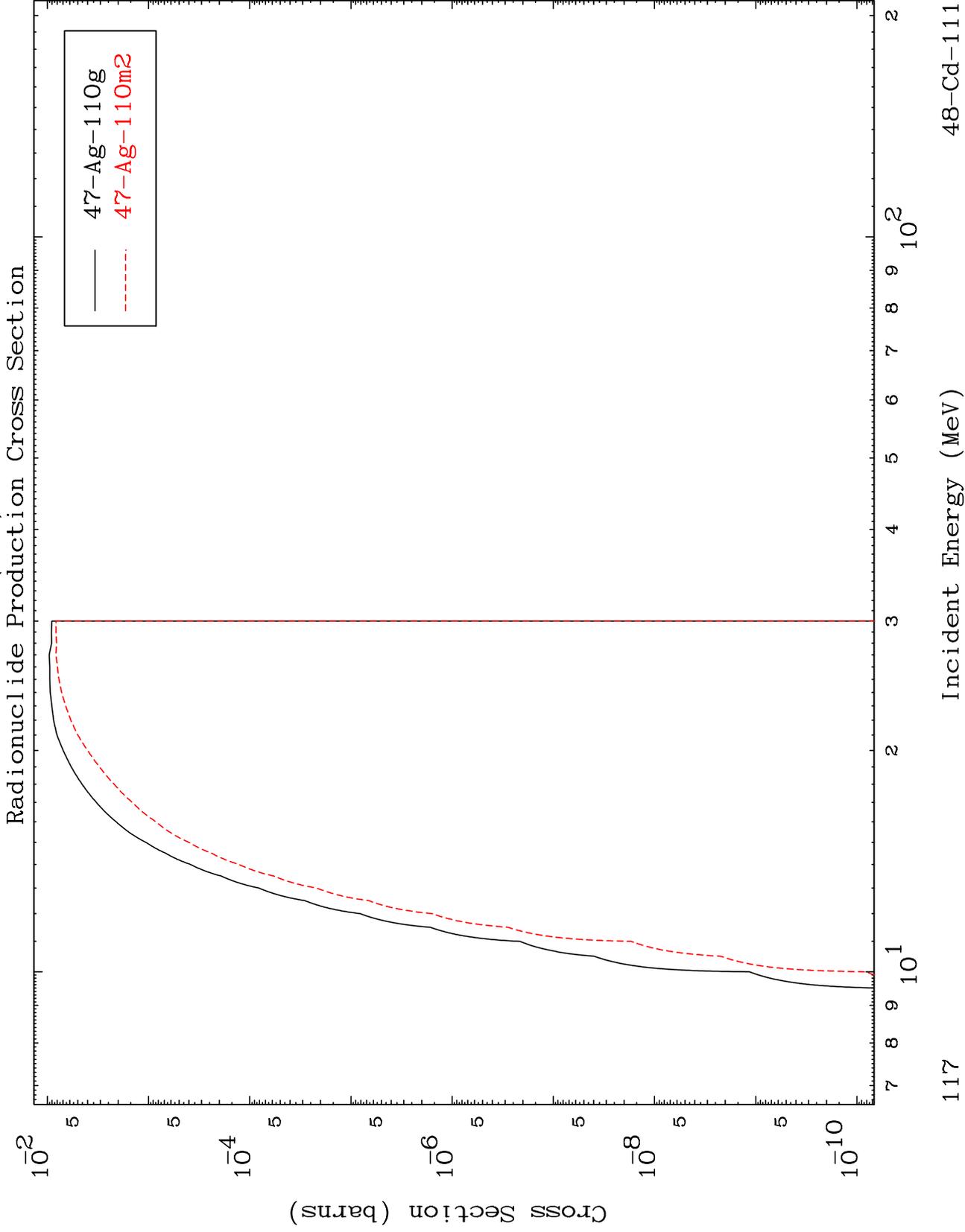
48-Cd-111

Incident Energy (MeV)

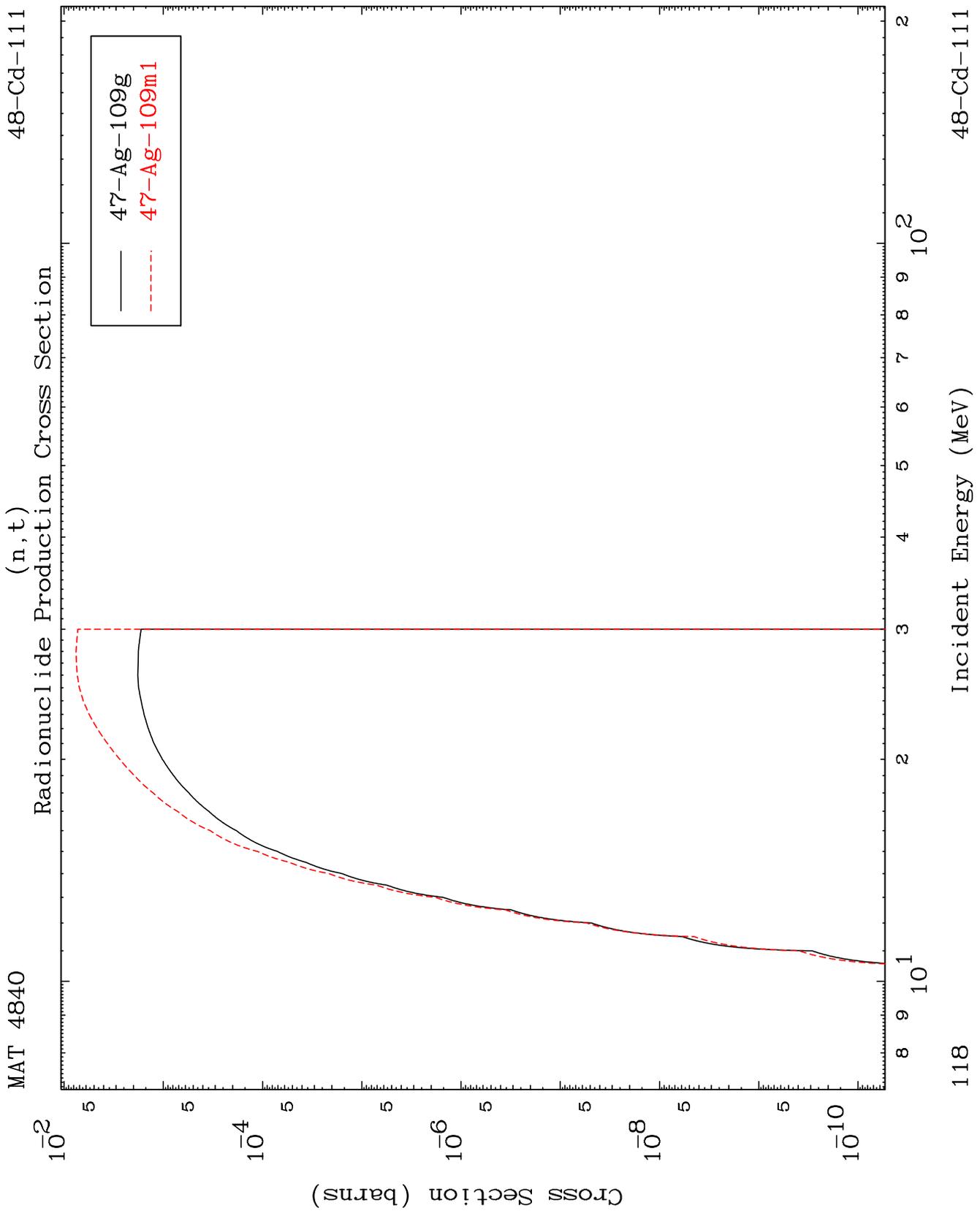
MAT 4840

(n,d)

48-Cd-111



117

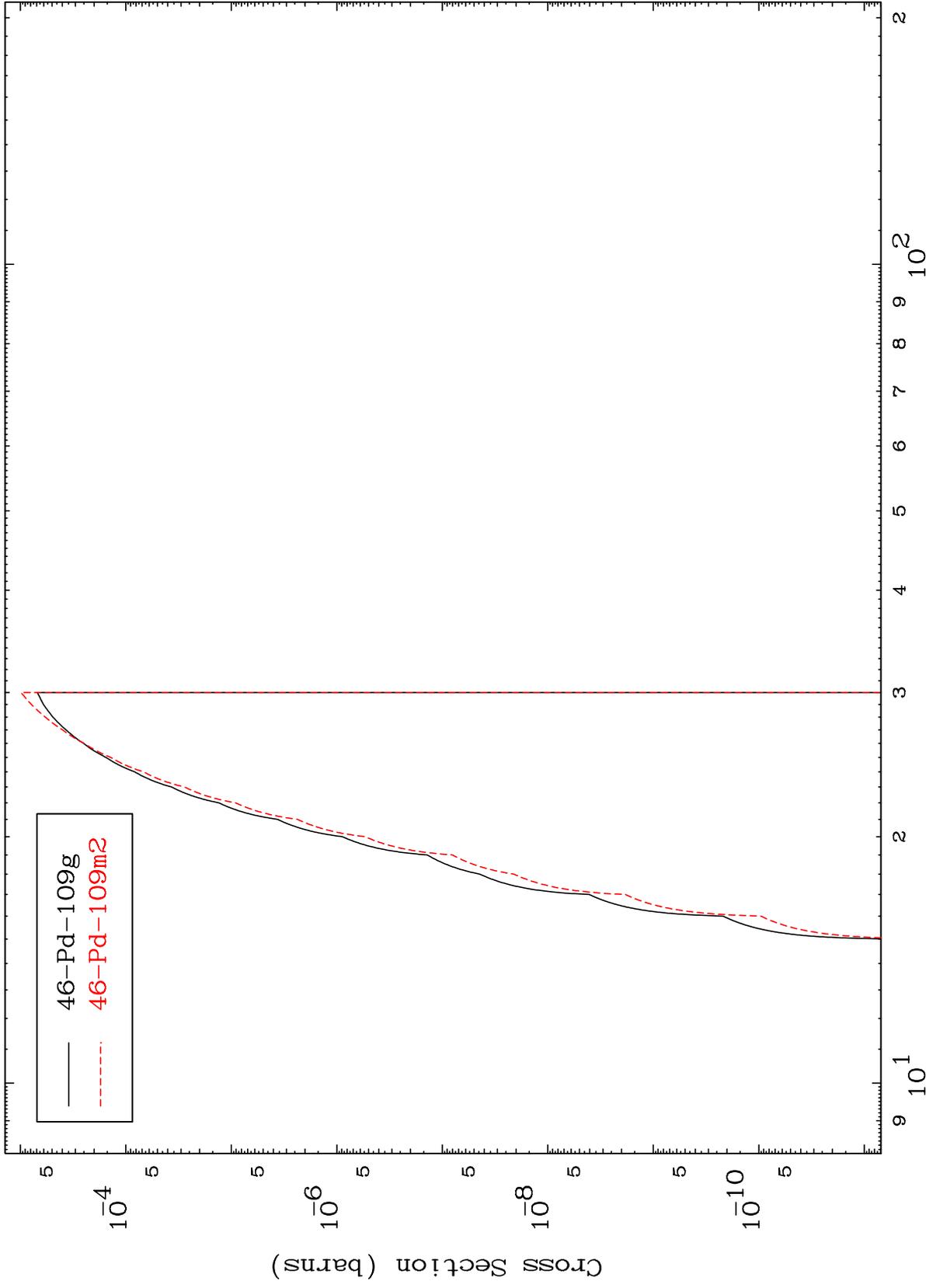


MAT 4840

(n,He-3)

48-Cd-111

Radionuclide Production Cross Section



119

Incident Energy (MeV)

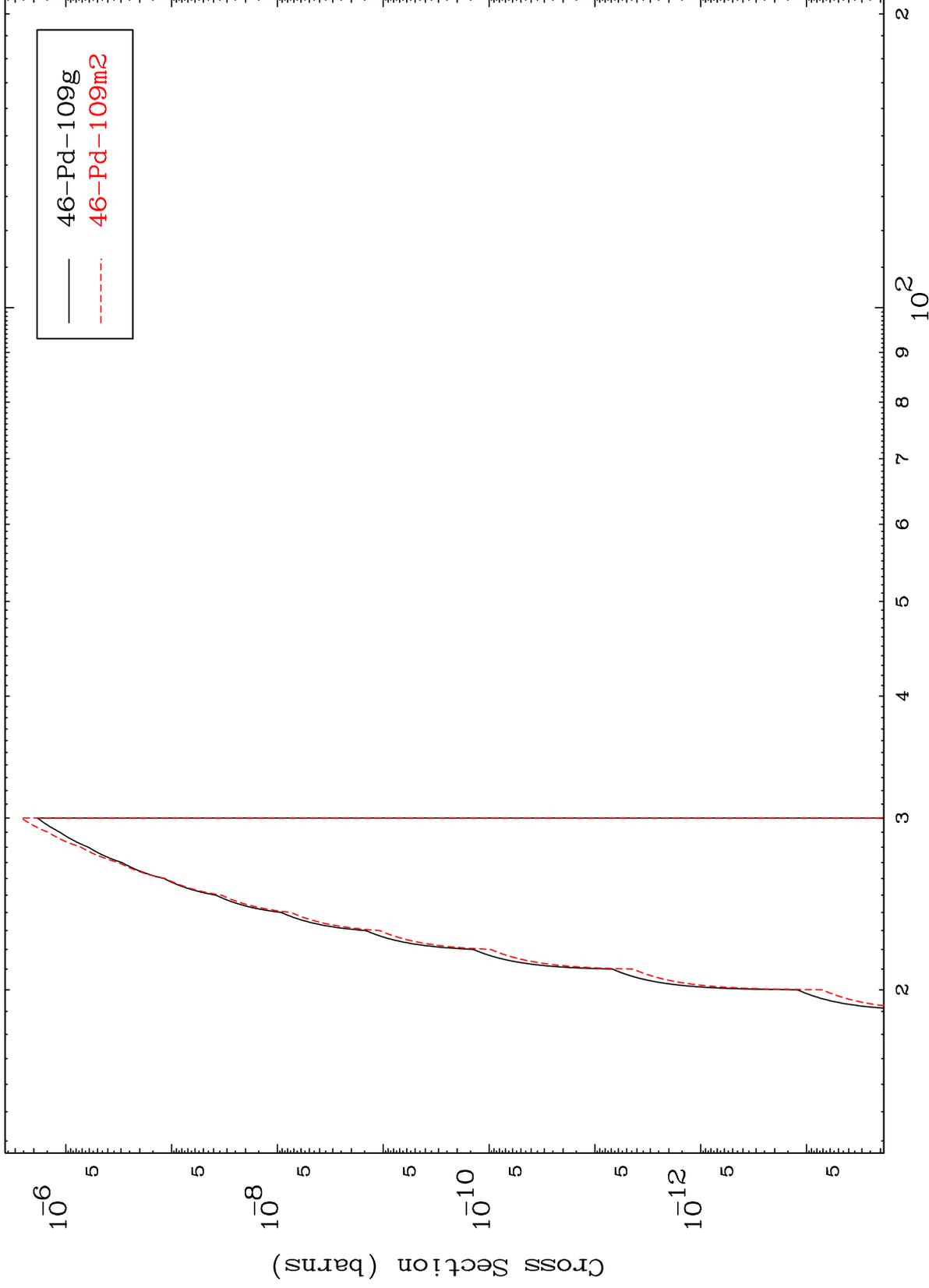
48-Cd-111

MAT 4840

(n,p) d

48-Cd-111

Radionuclide Production Cross Section



120

Incident Energy (MeV)

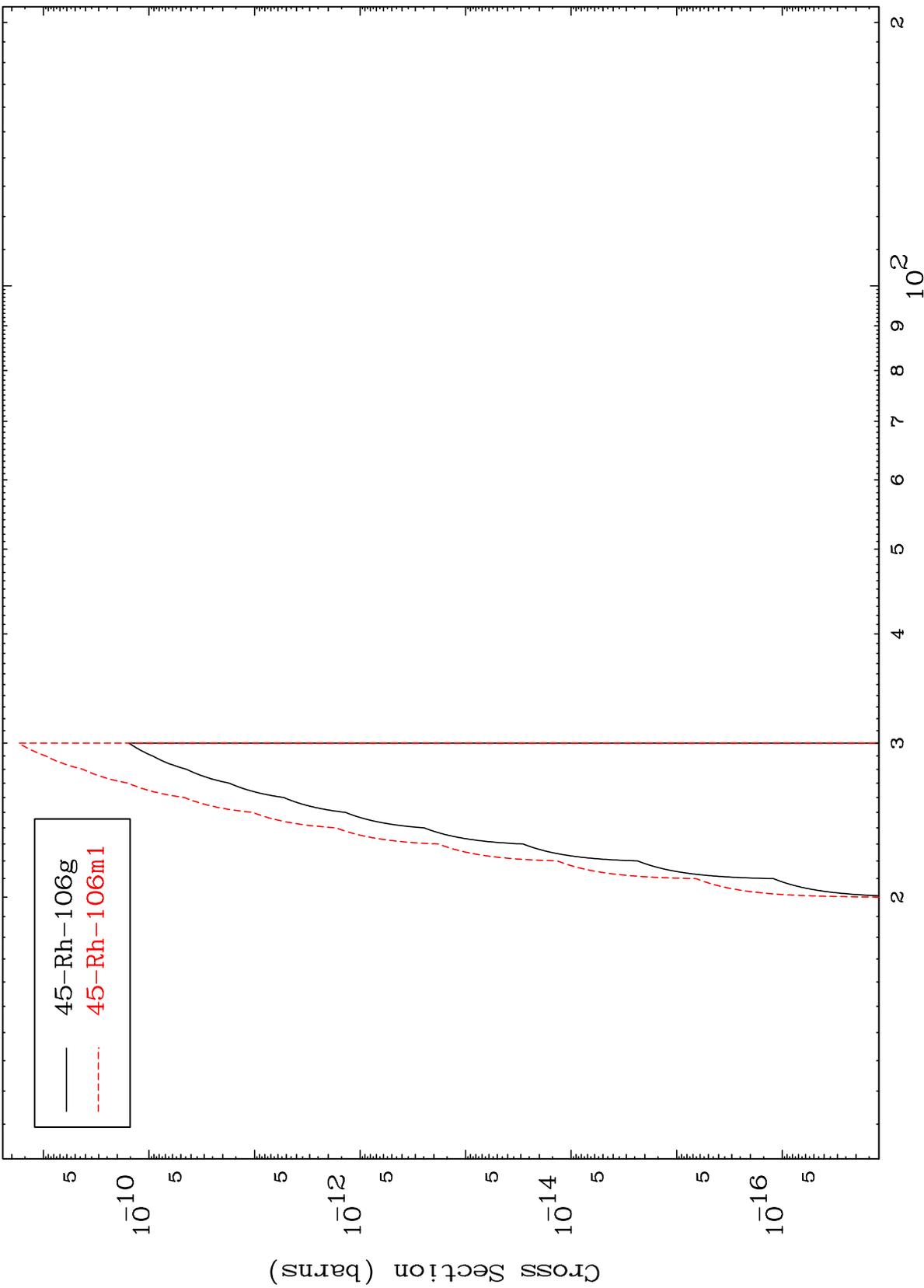
48-Cd-111

MAT 4840

(n,d) α

48-Cd-111

Radionuclide Production Cross Section



121

Incident Energy (MeV)

48-Cd-111