

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

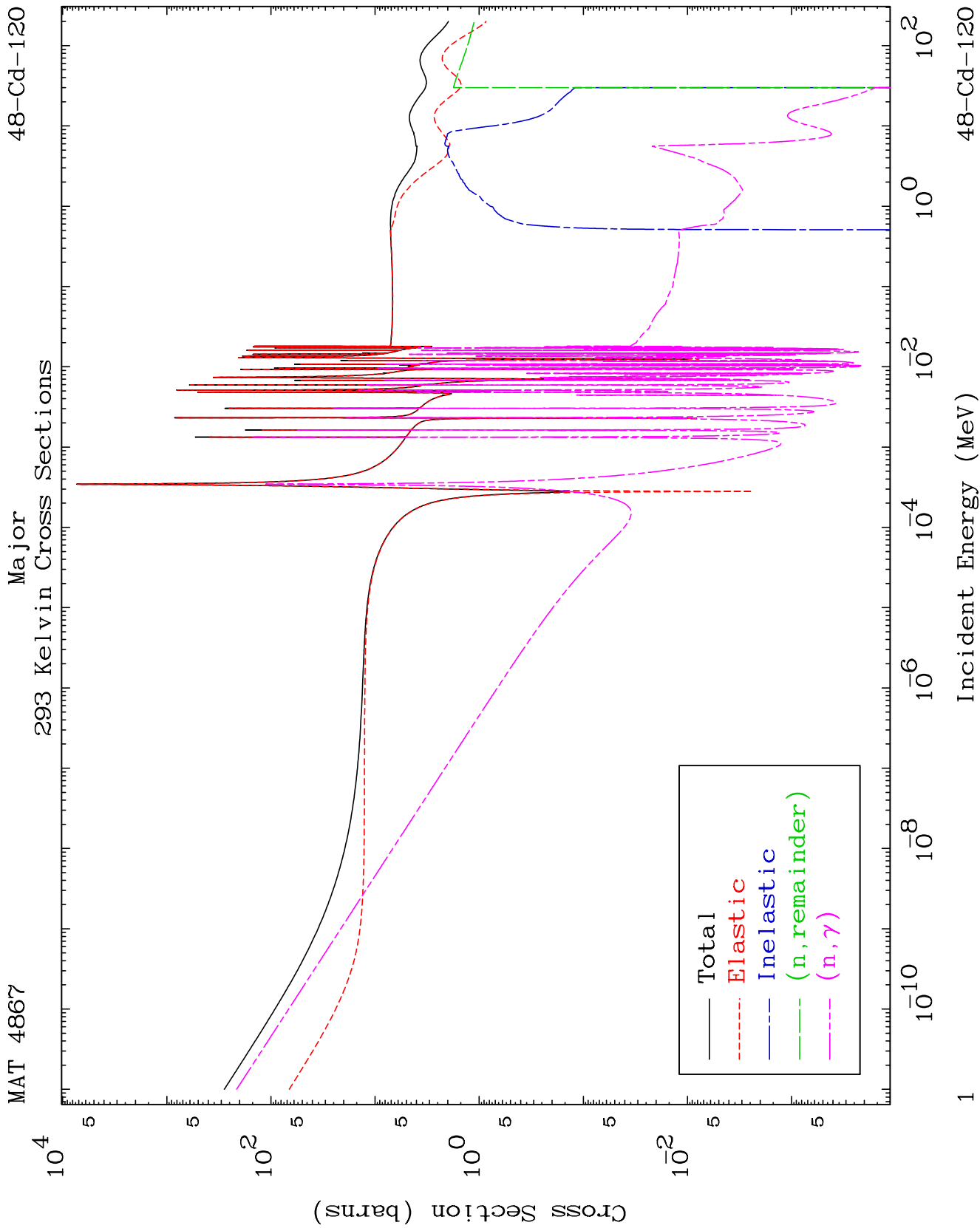
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Web:redcullen1.net/HOMEPAGE.NEW

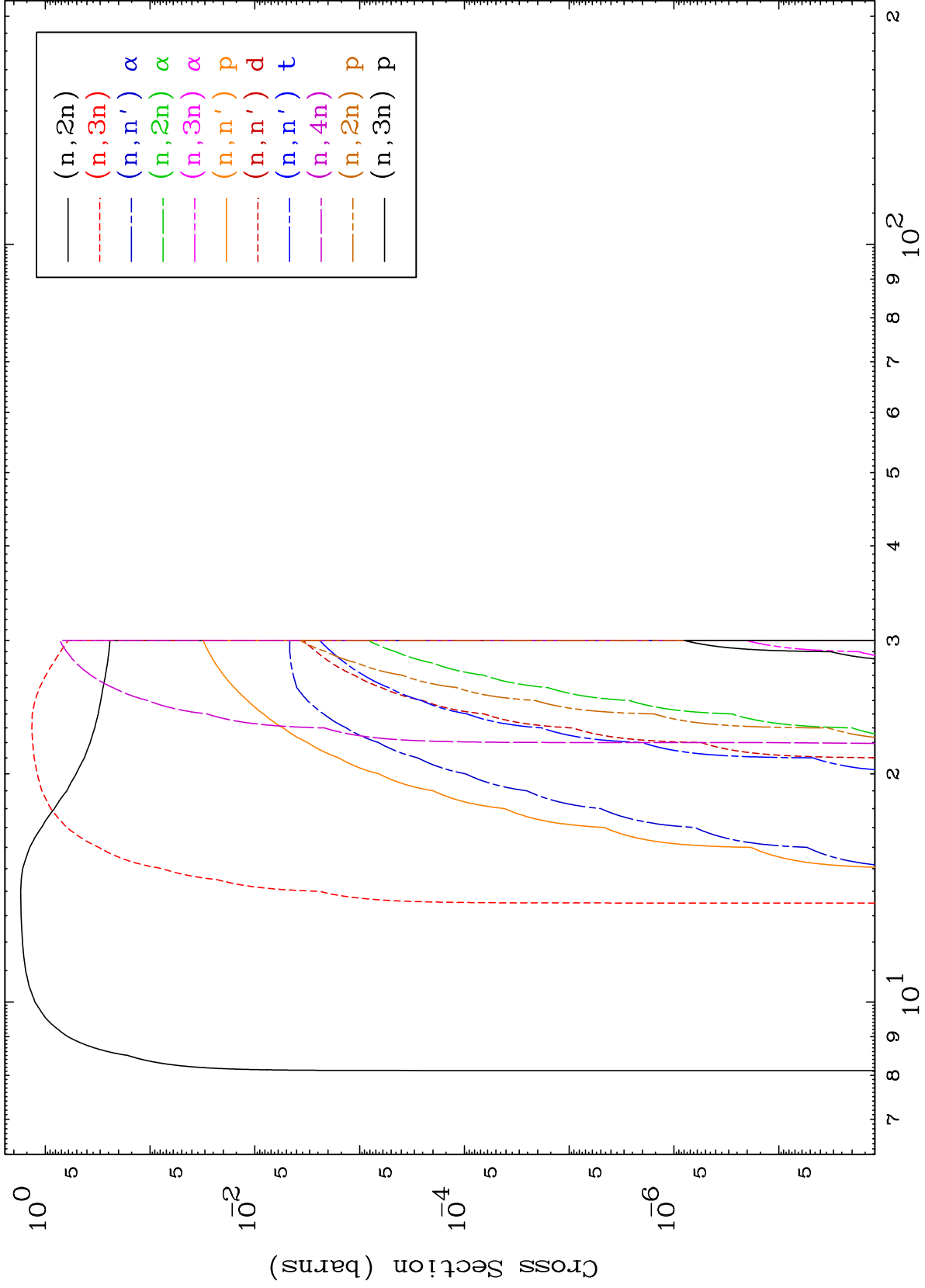
Press Mouse Button to Start



MAT 4867

Neutron Production
293 Kelvin Cross Sections

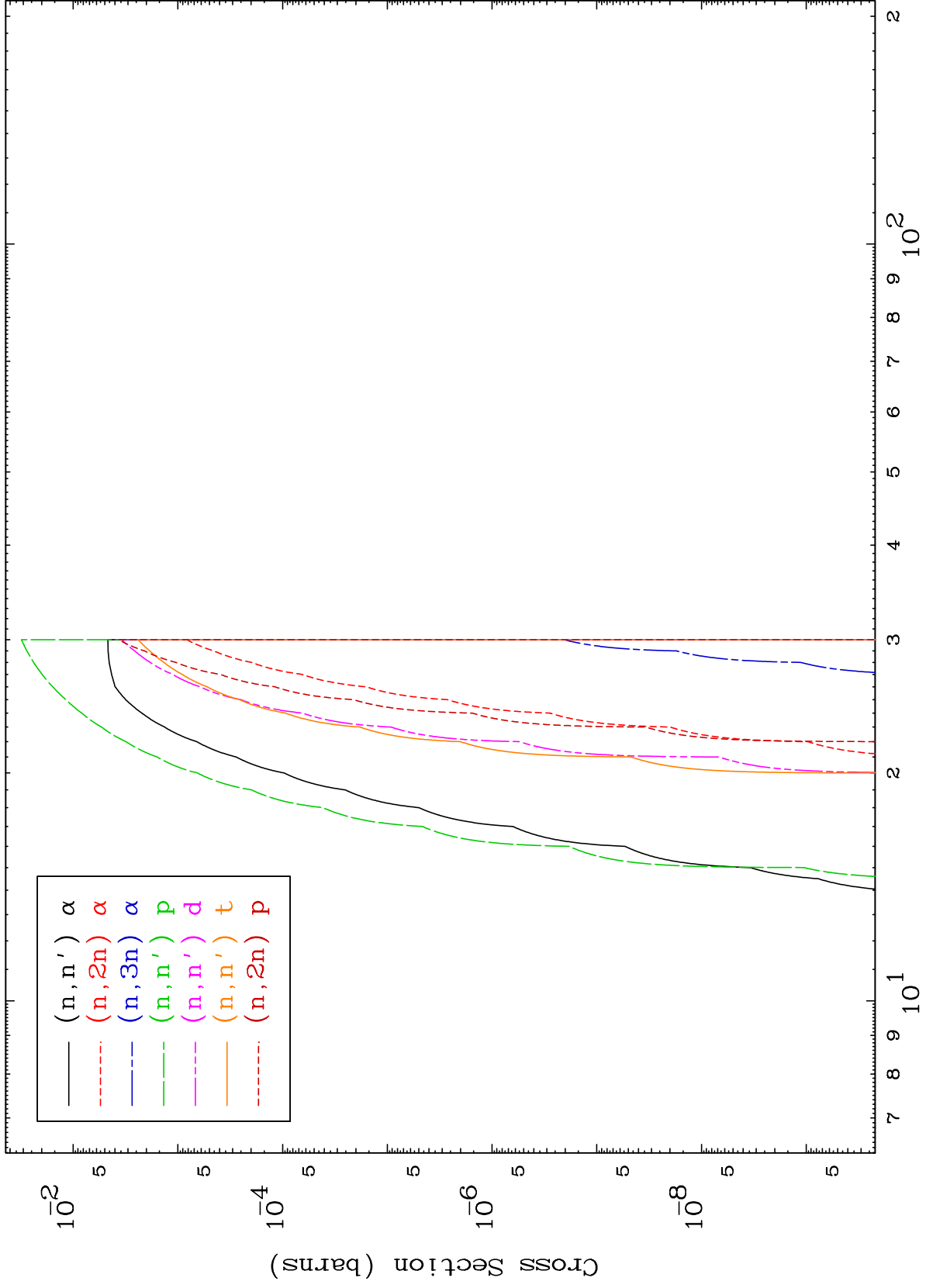
48-Cd-120



MAT 4867

Charged Particle
293 Kelvin Cross Sections

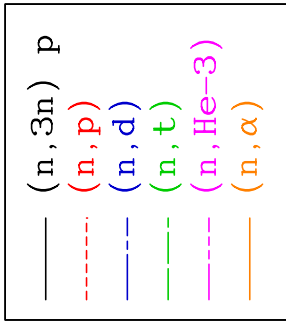
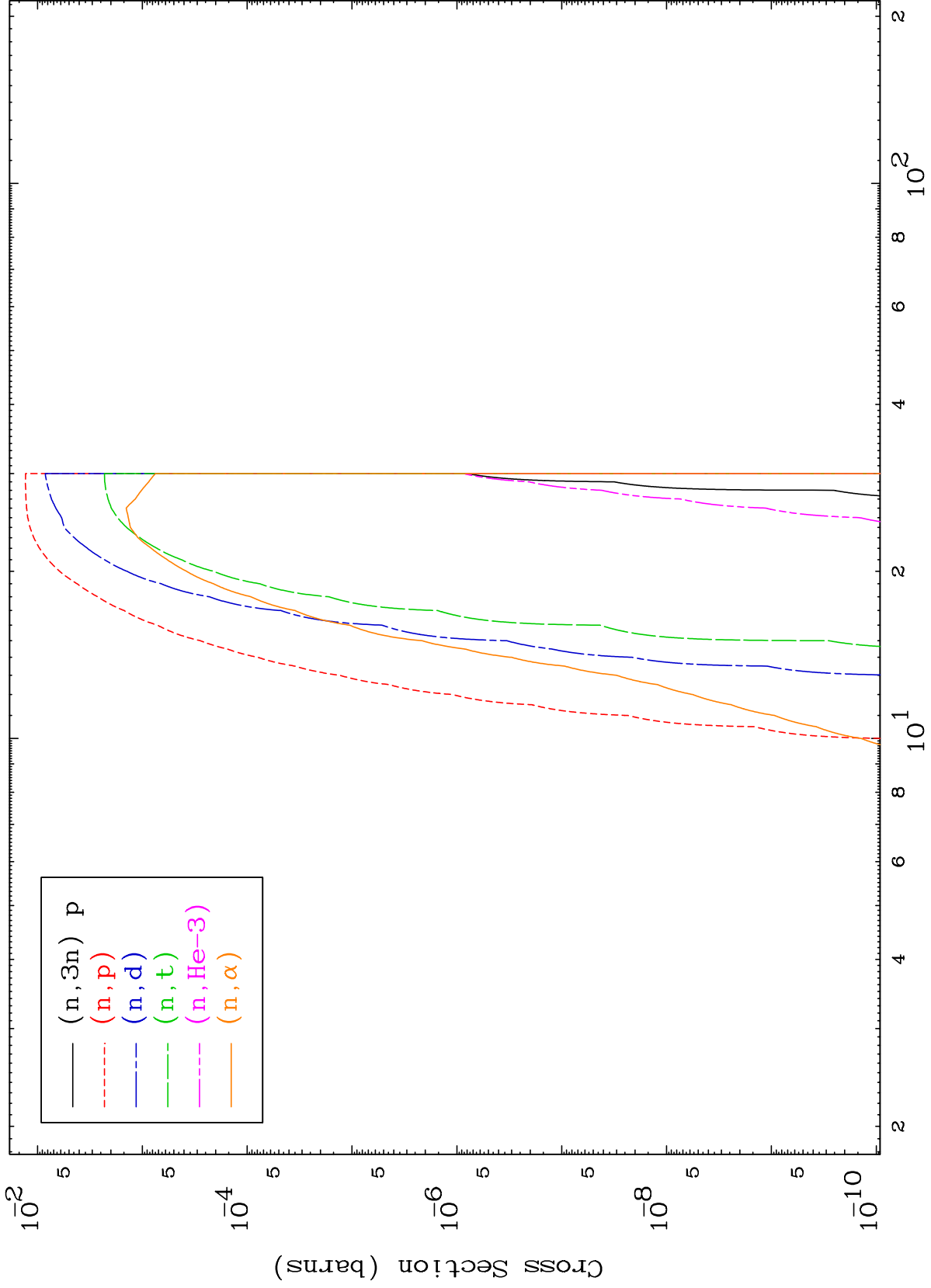
48-Cd-120



MAT 4867

Charged Particle
293 Kelvin Cross Sections

48-Cd-120



4

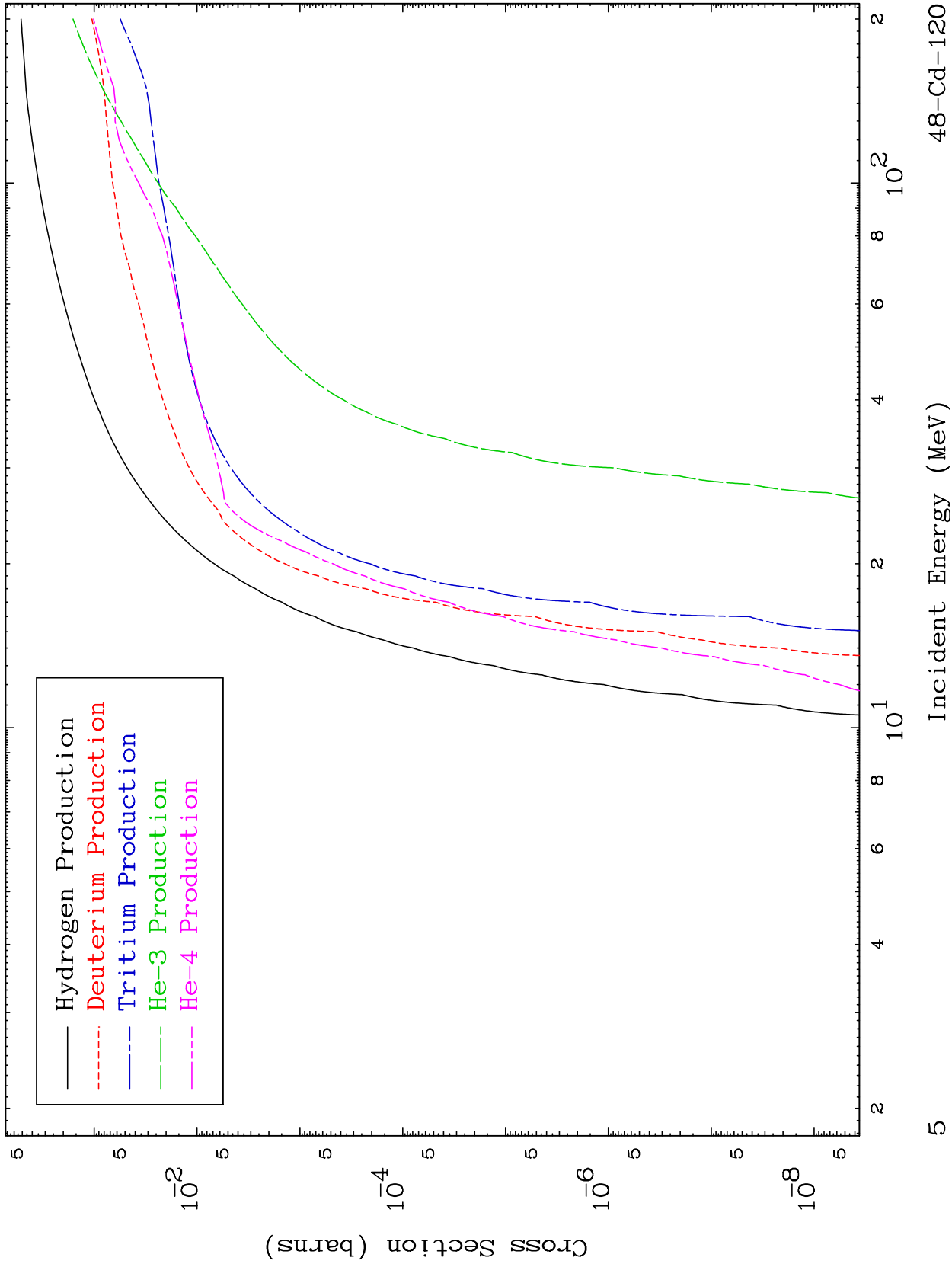
Incident Energy (MeV)

48-Cd-120

MAT 4867

Particle Production
293 Kelvin Cross Sections

48-Cd-120



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Incident Energy (MeV)

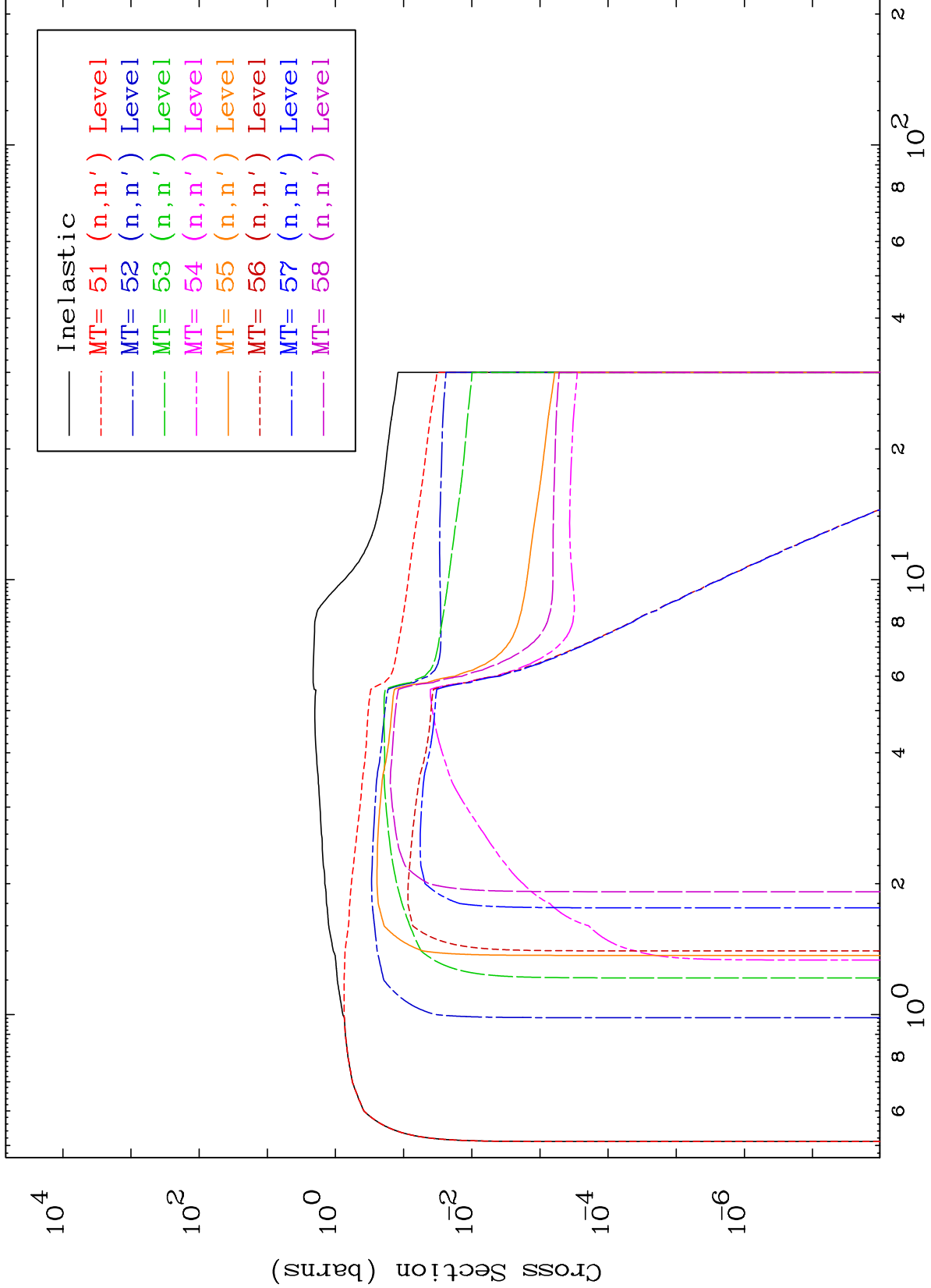
48-Cd-120

MAT 4867

(n,n') Level

48-Cd-120

293 Kelvin Cross Sections



6

Incident Energy (MeV)

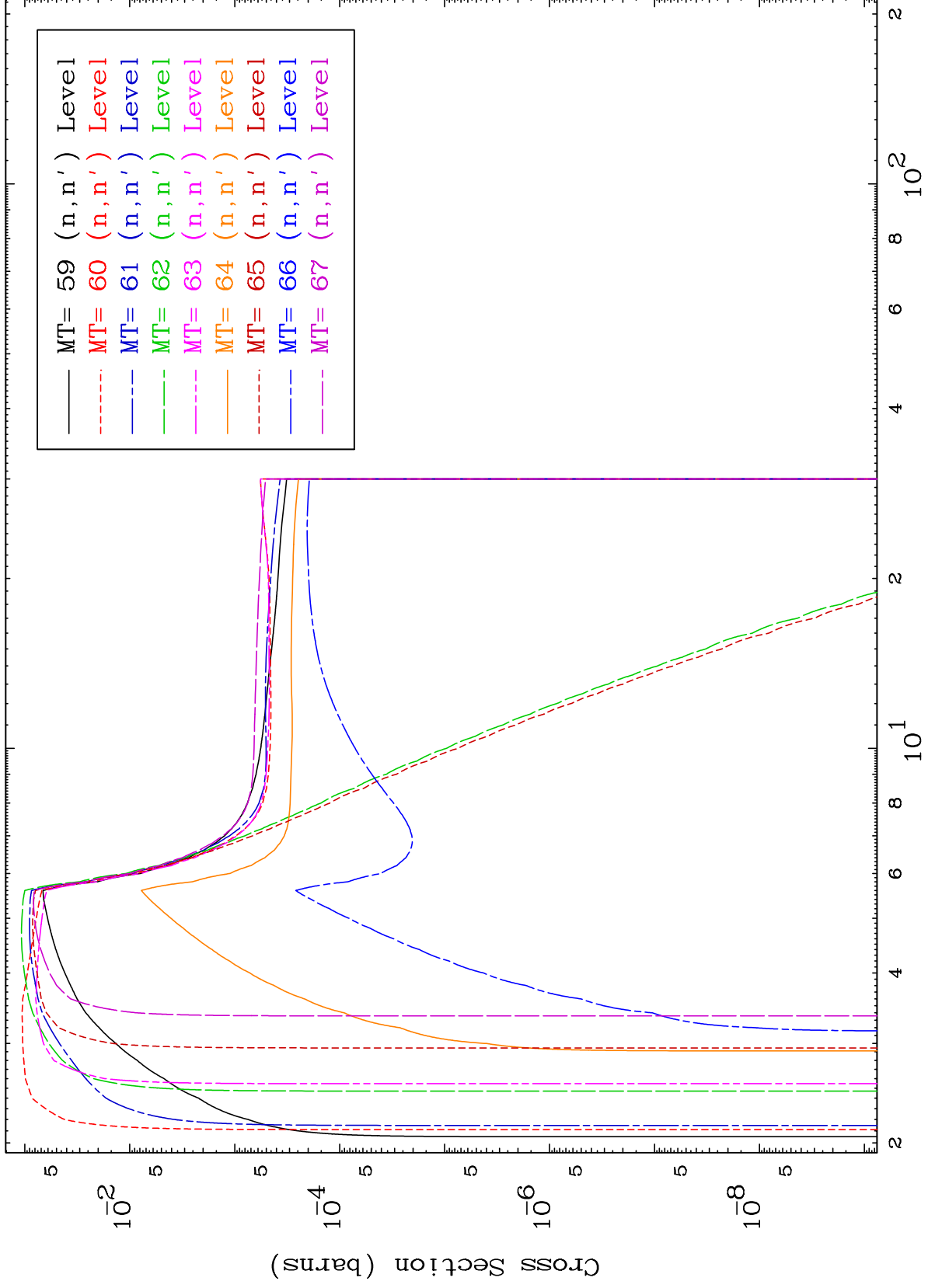
48-Cd-120

MAT 4867

(n,n') Level

48-Cd-120

293 Kelvin Cross Sections



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Incident Energy (MeV)

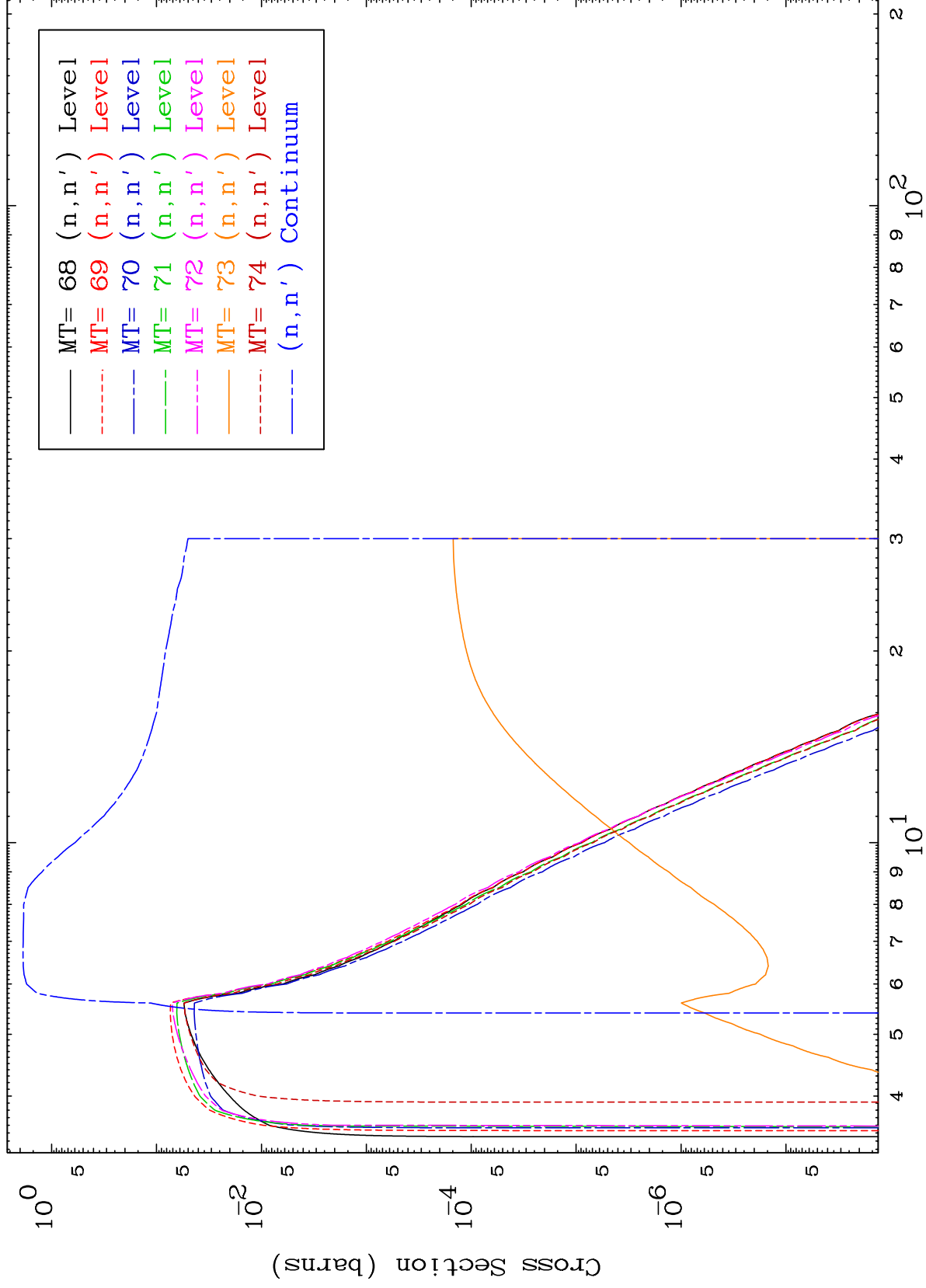
48-Cd-120

MAT 4867

(n,n') Level

293 Kelvin Cross Sections

48-Cd-120



8

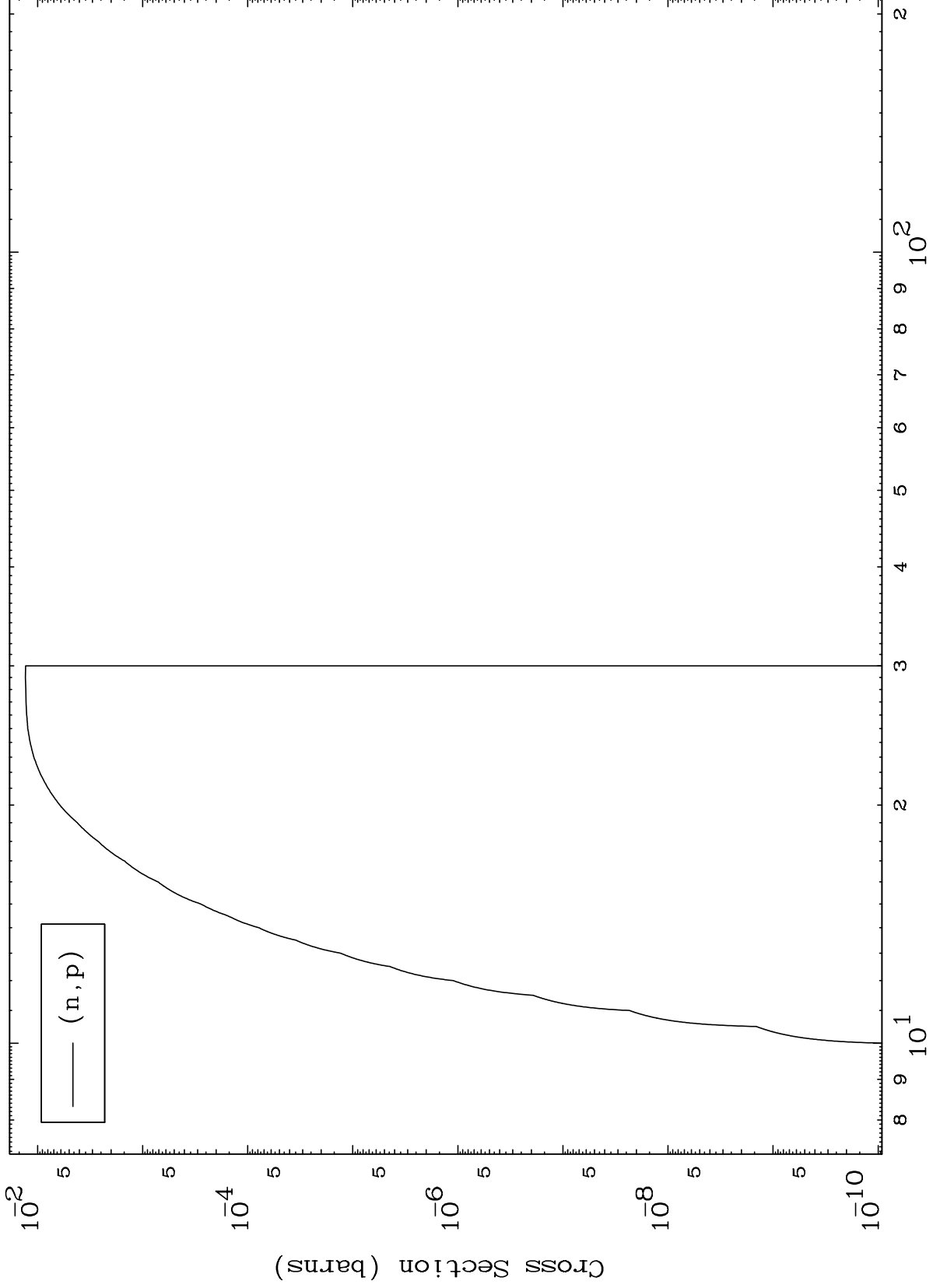
Incident Energy (MeV)

48-Cd-120

MAT 4867

(n,p) Levels
293 Kelvin Cross Sections

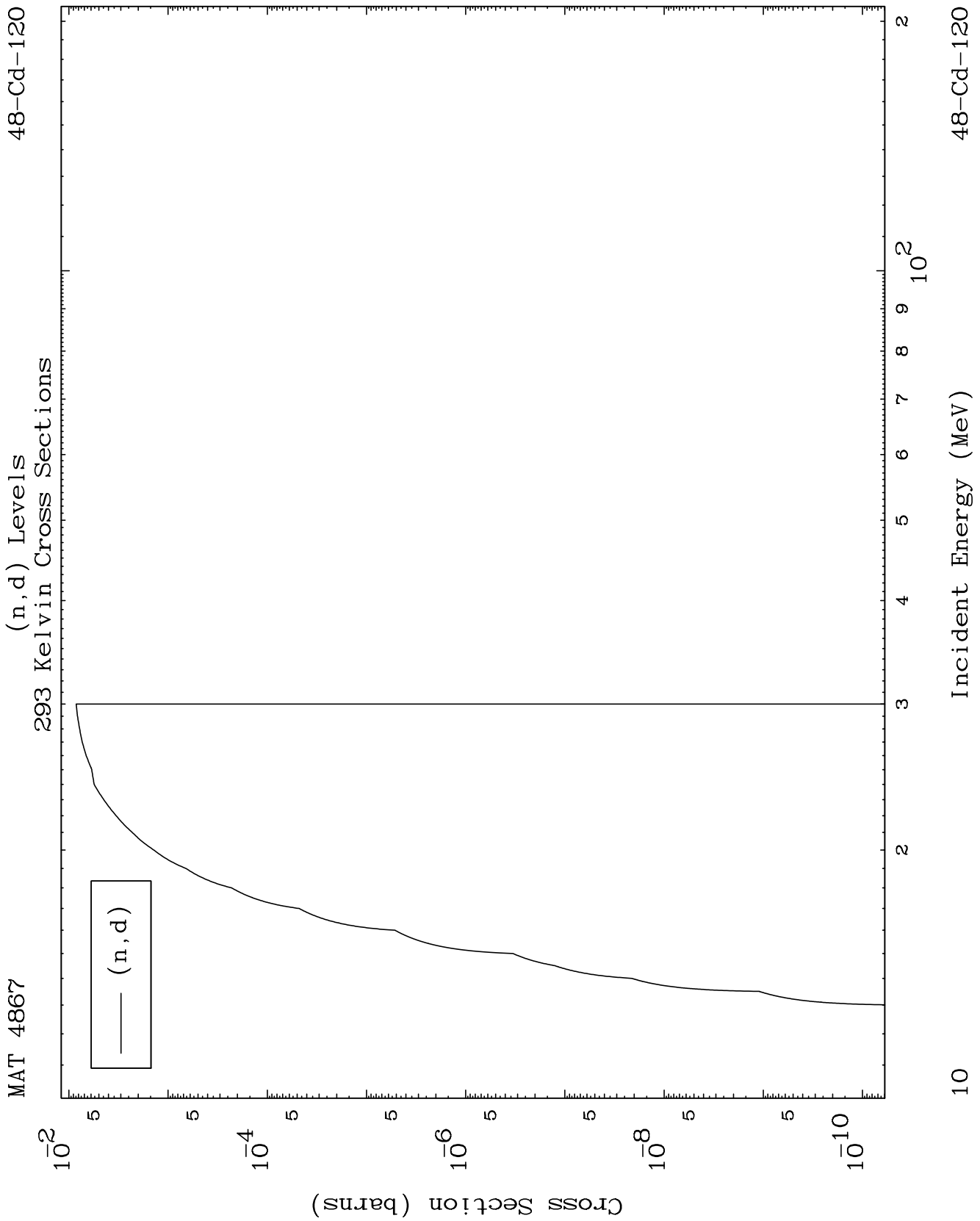
48-Cd-120



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Incident Energy (MeV)

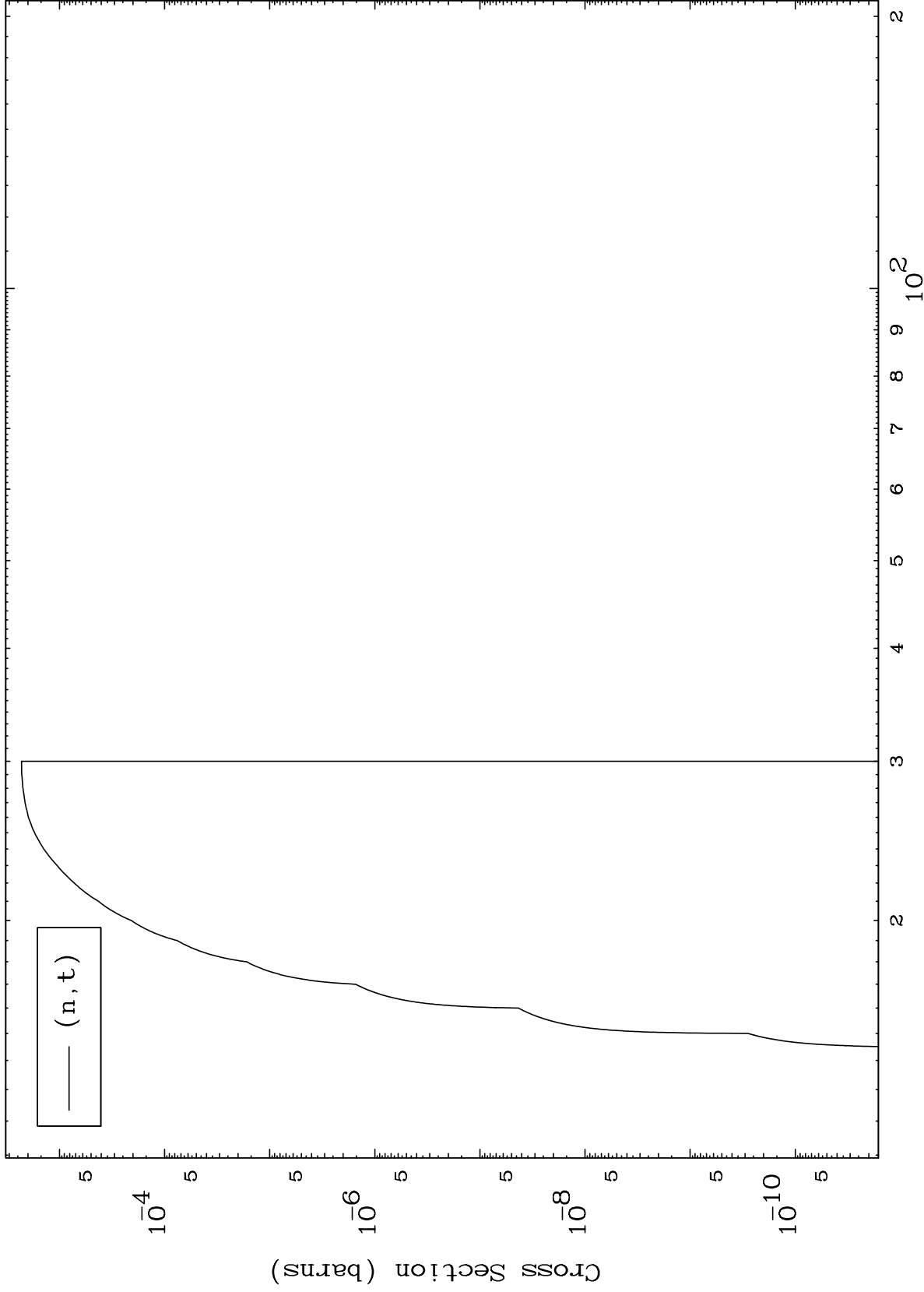
48-Cd-120



MAT 4867

(n,t) Levels
293 Kelvin Cross Sections

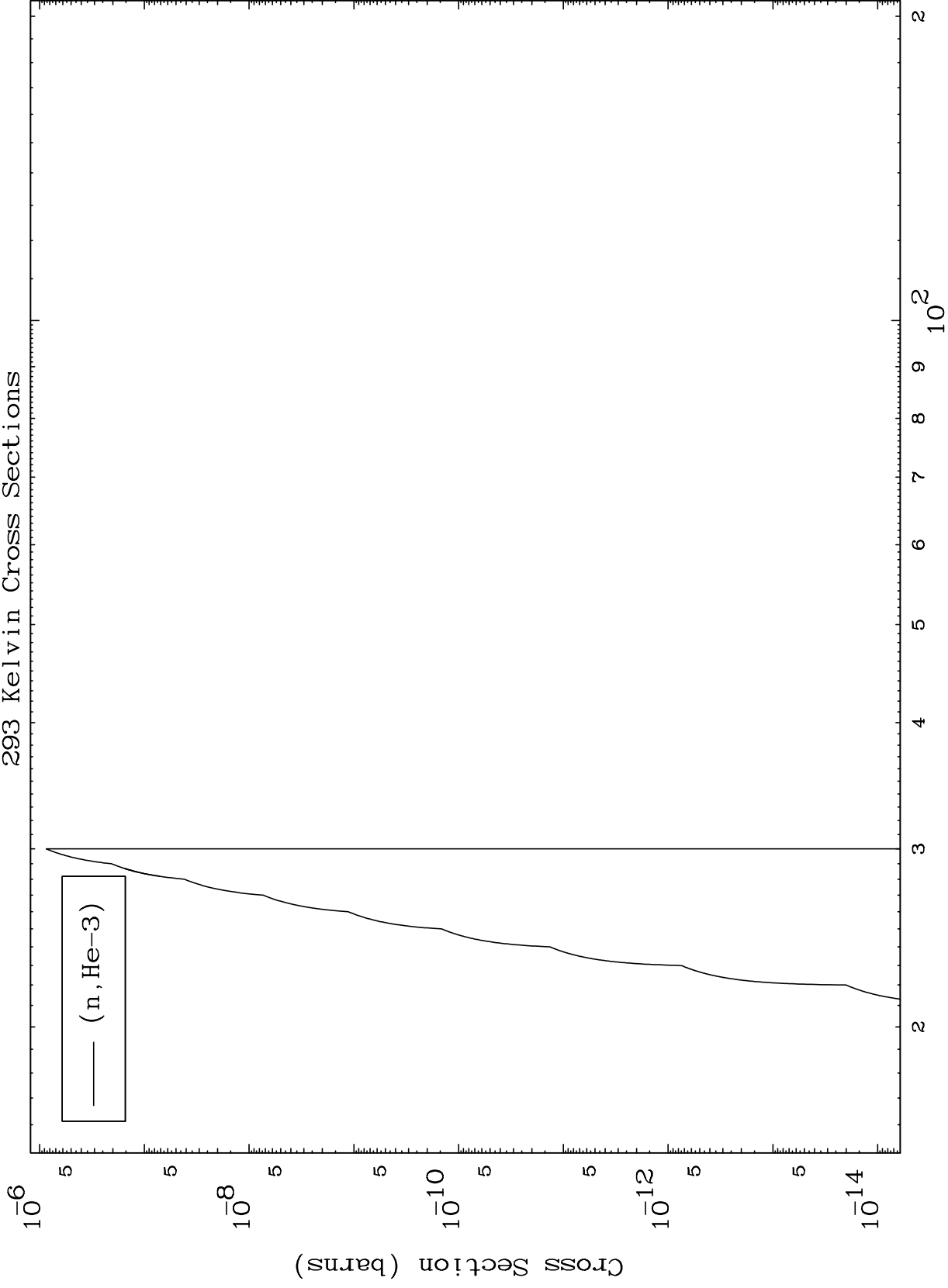
48-Cd-120



MAT 4867

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-120



12

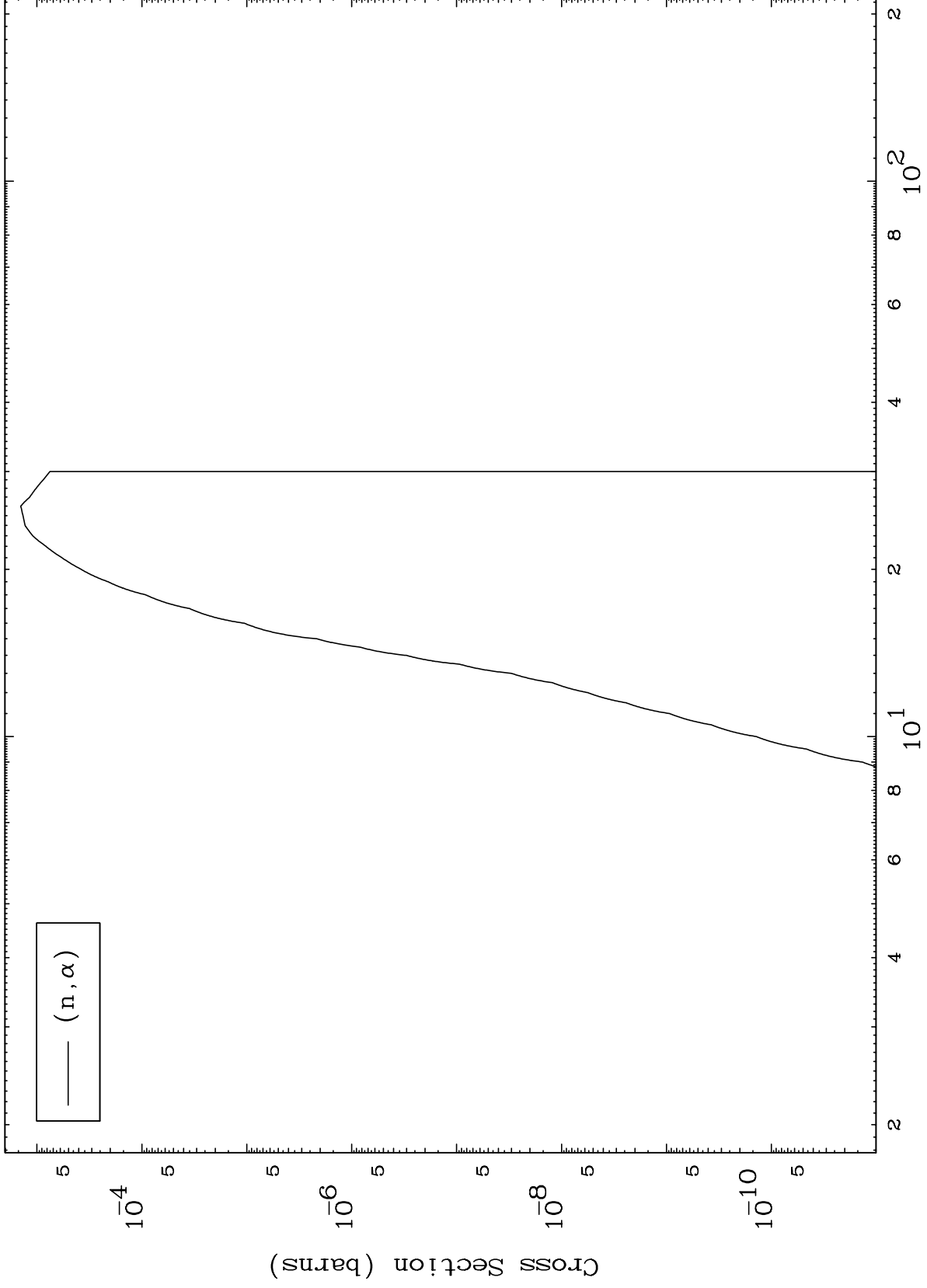
Incident Energy (MeV)

48-Cd-120

MAT 4867

(n, α) Levels
293 Kelvin Cross Sections

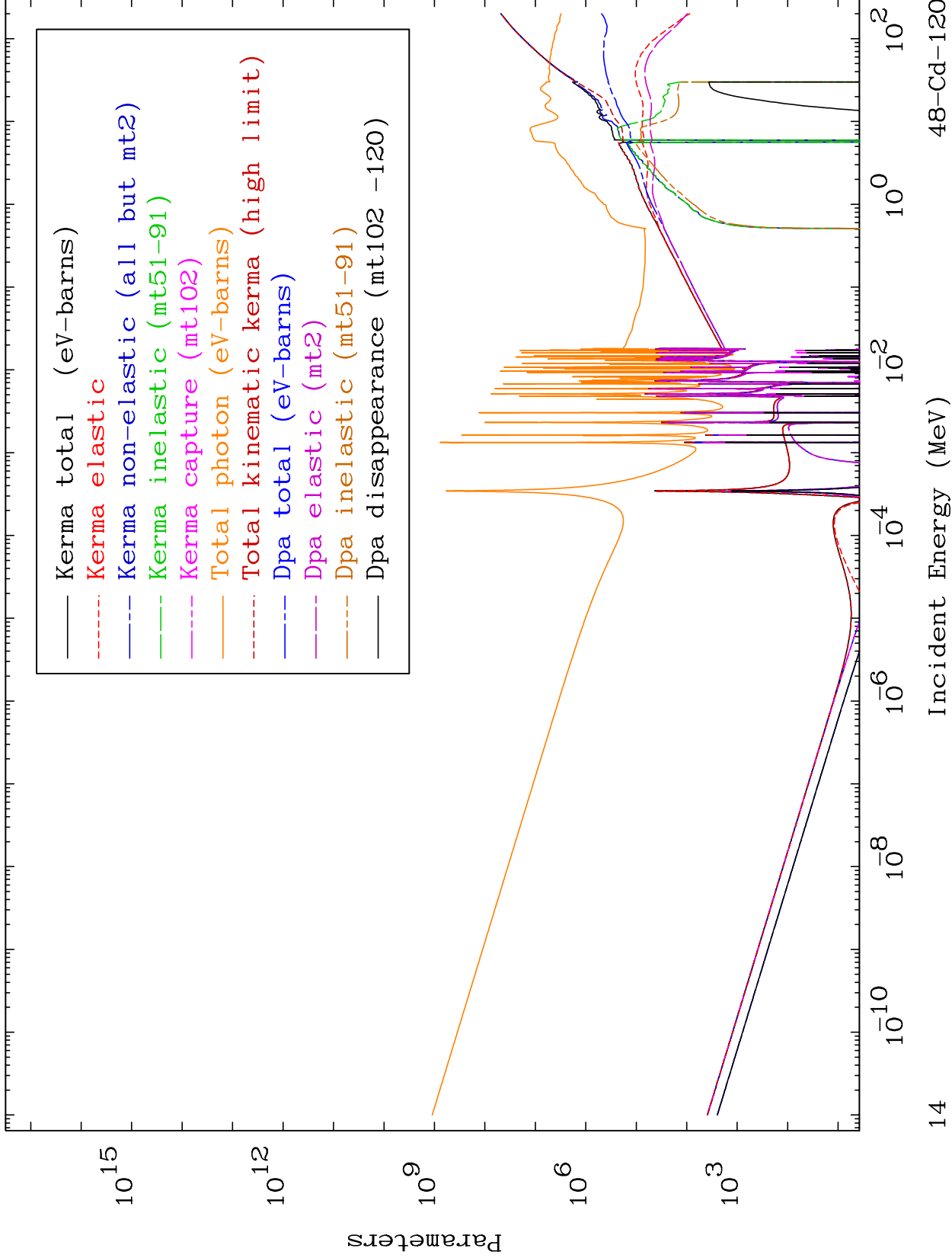
48-Cd-120



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Incident Energy (MeV)

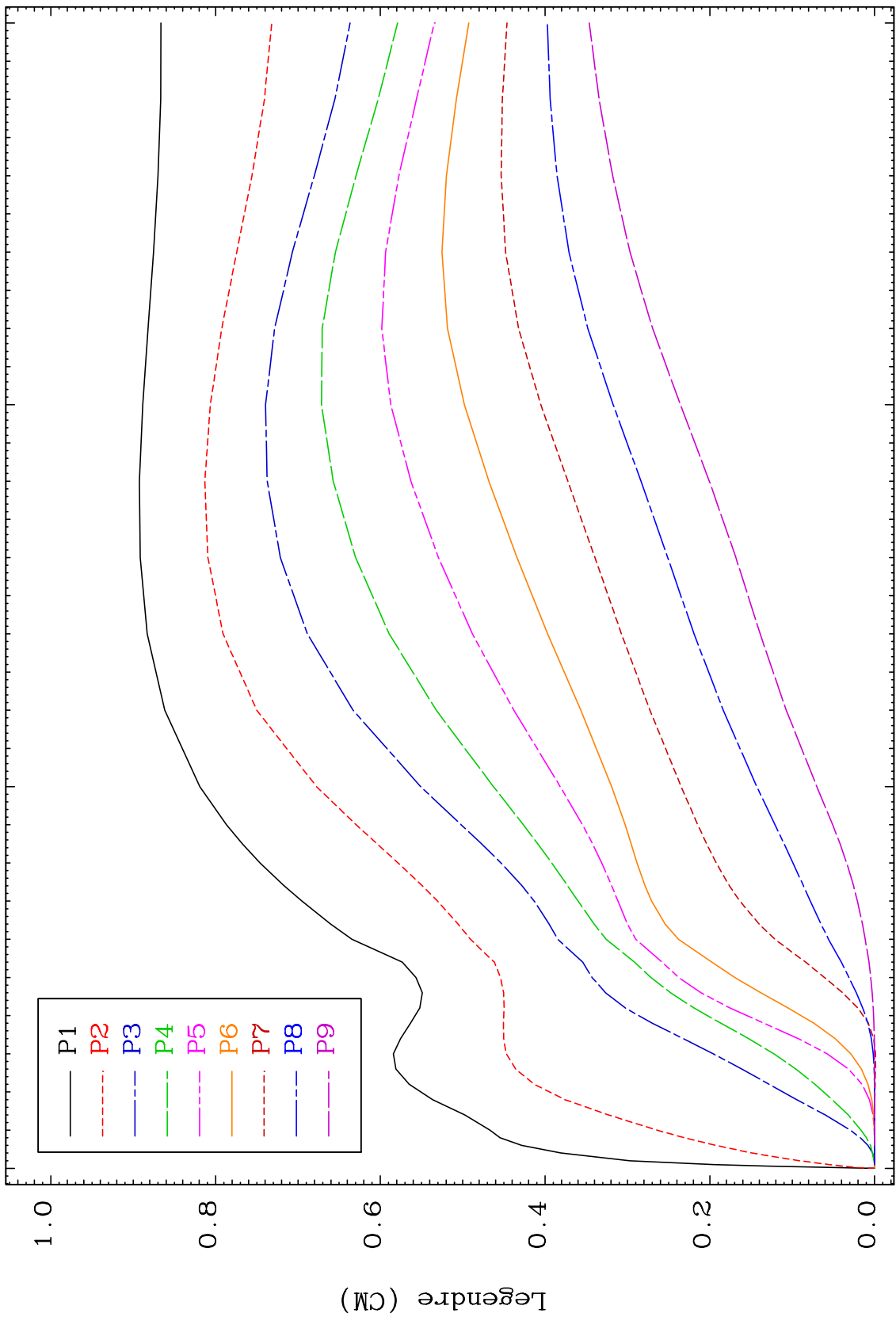
48-Cd-120



MAT 4867

Elastic Legendre Coefficients

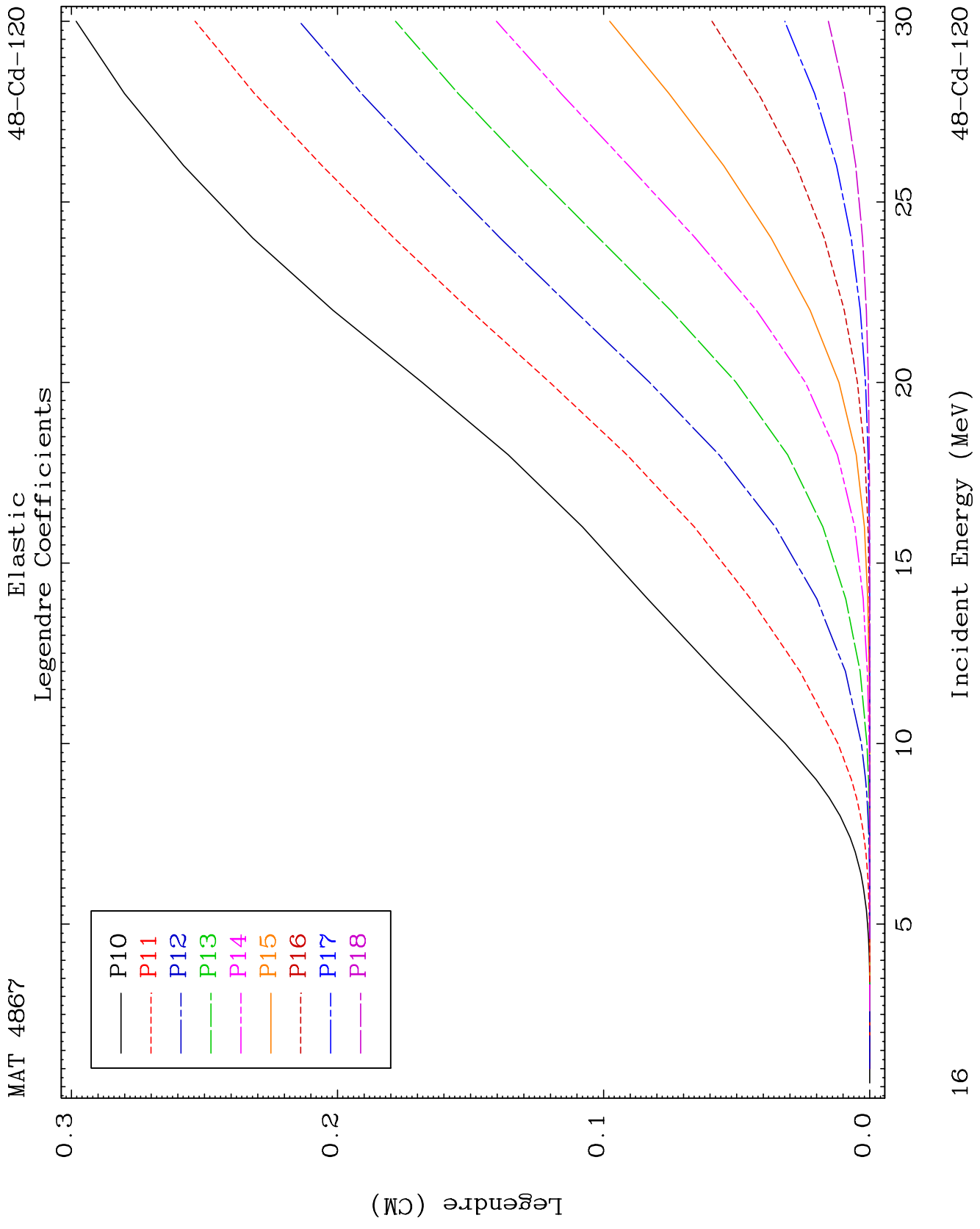
48-Cd-120



15

Incident Energy (MeV)

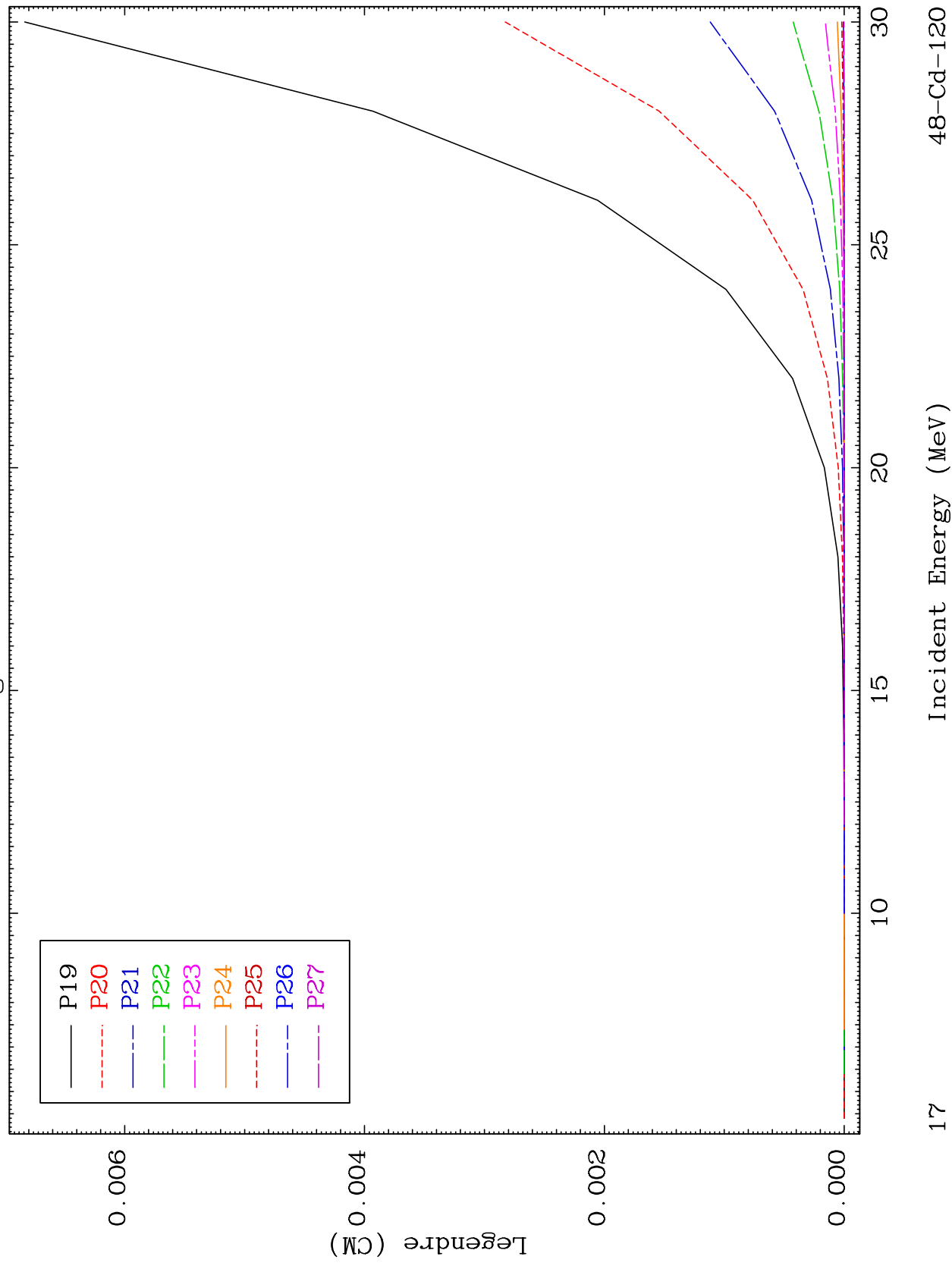
48-Cd-120



MAT 4867

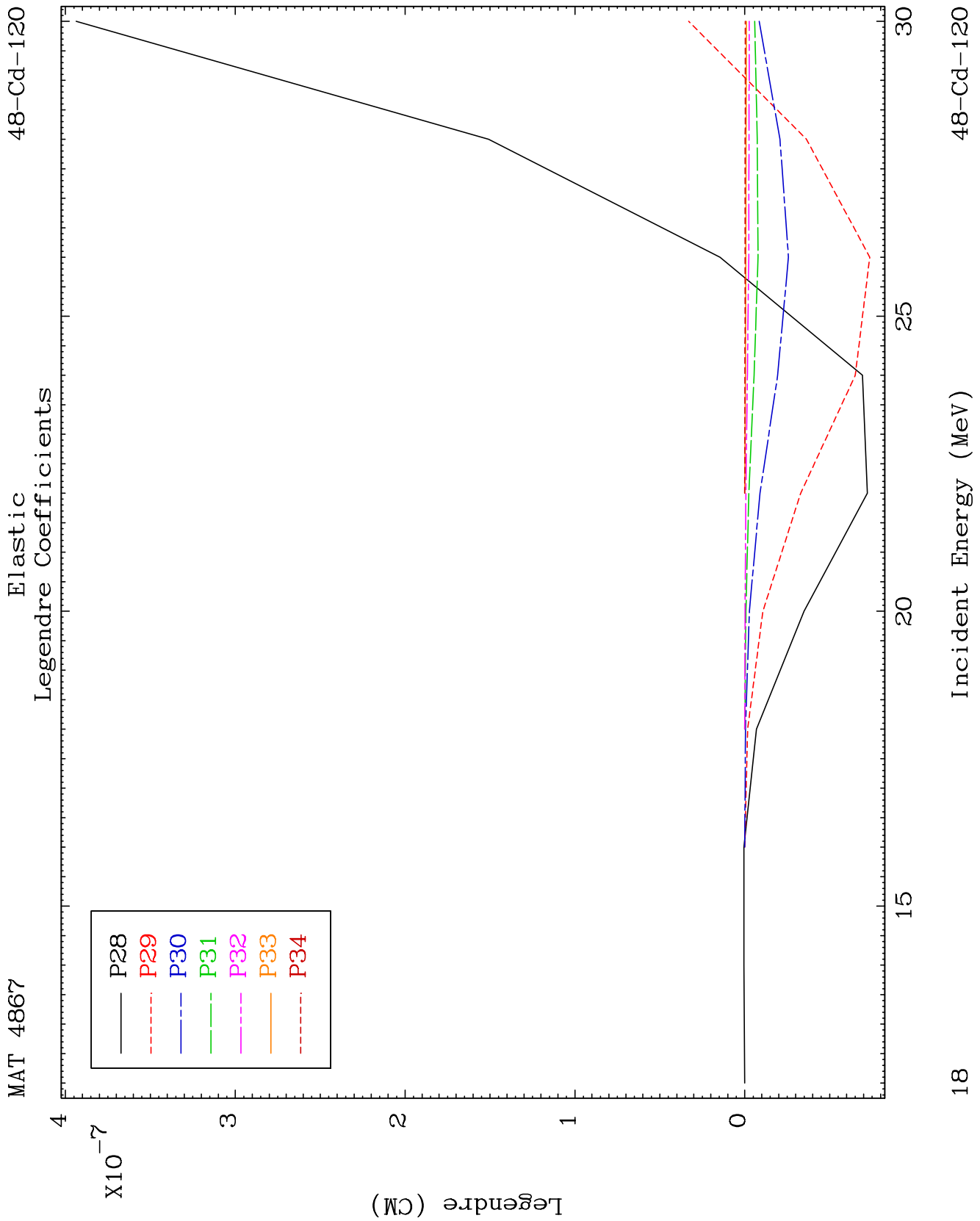
Elastic Legendre Coefficients

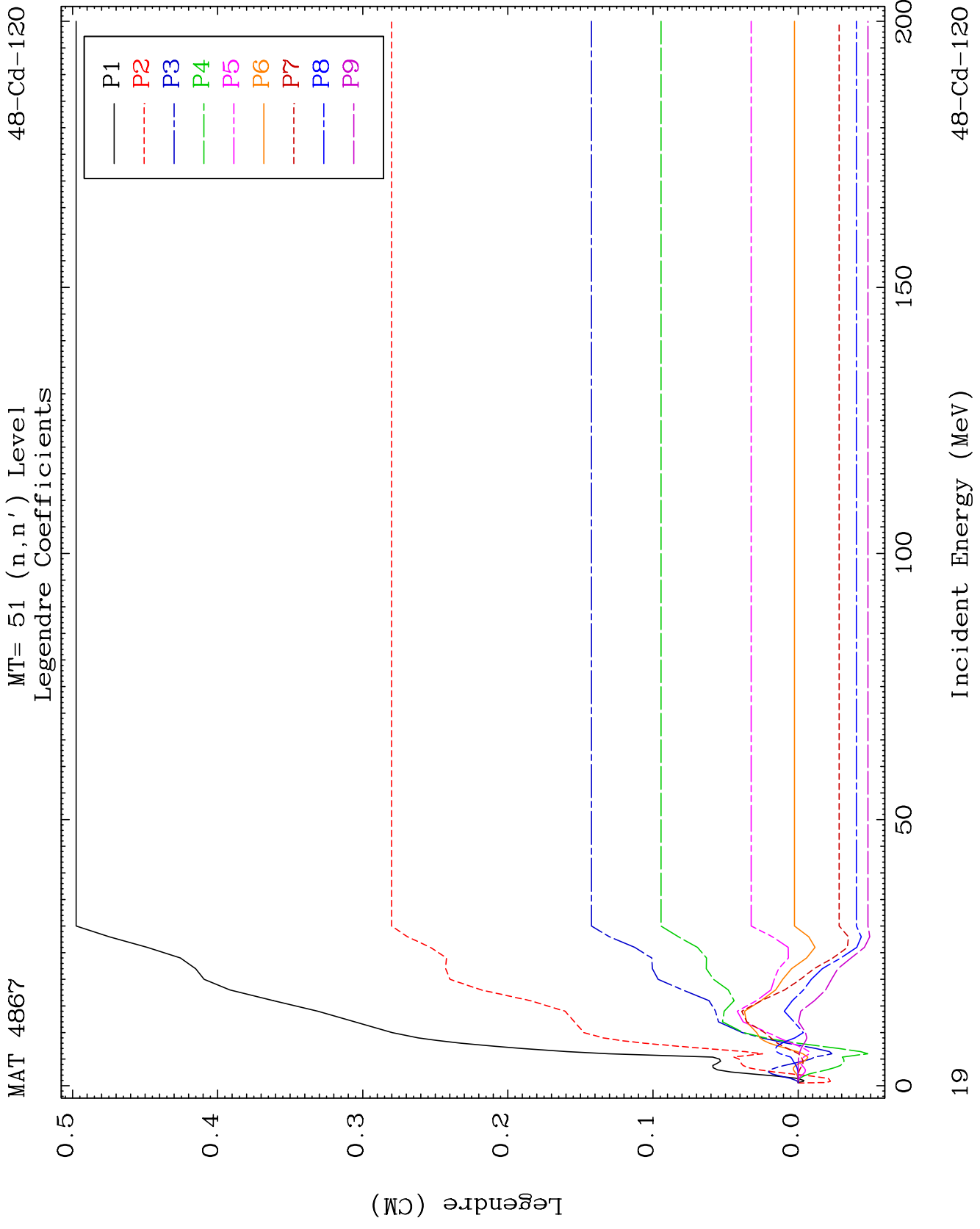
48-Cd-120



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48-Cd-120

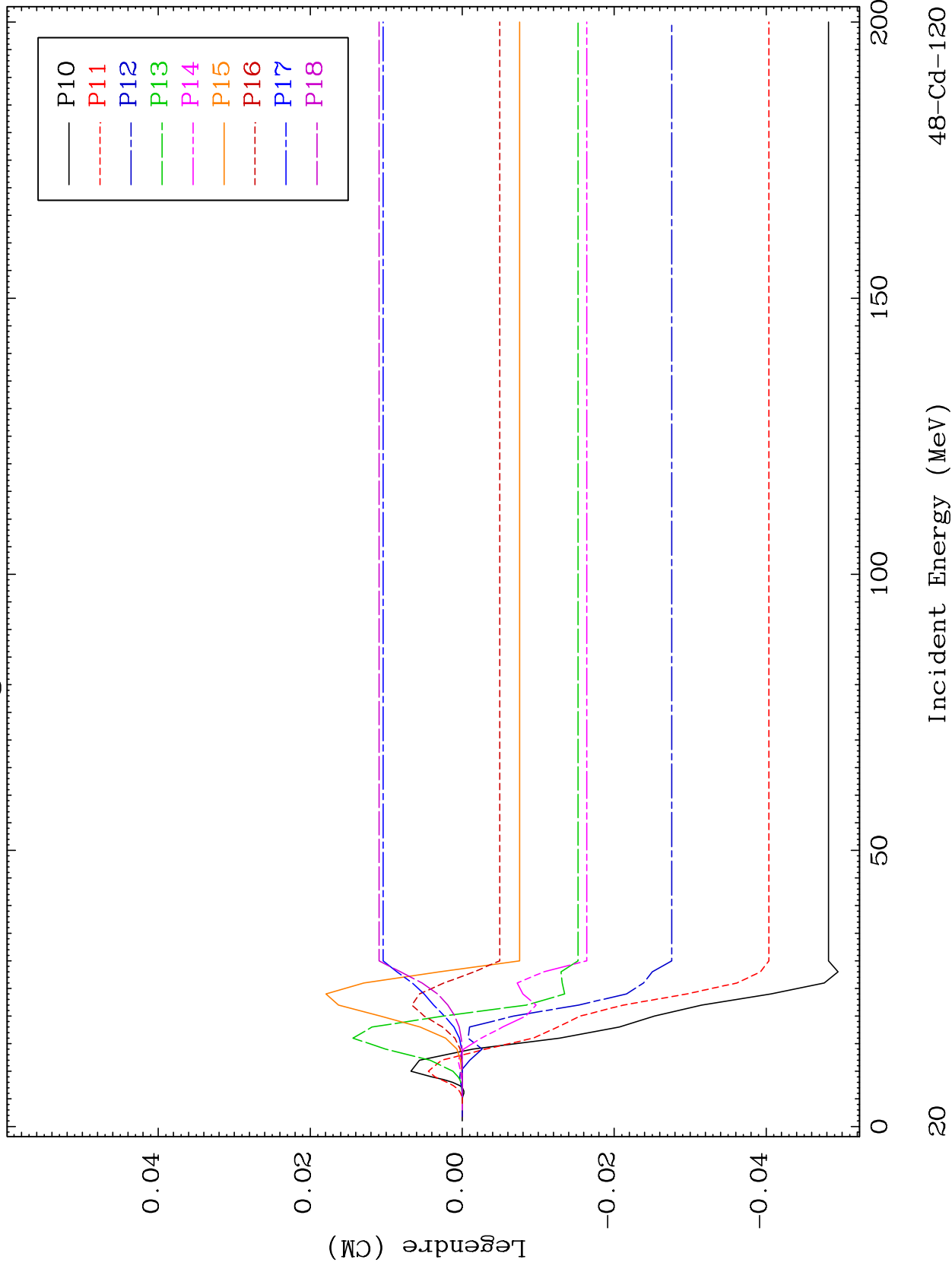




MAT 4867

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

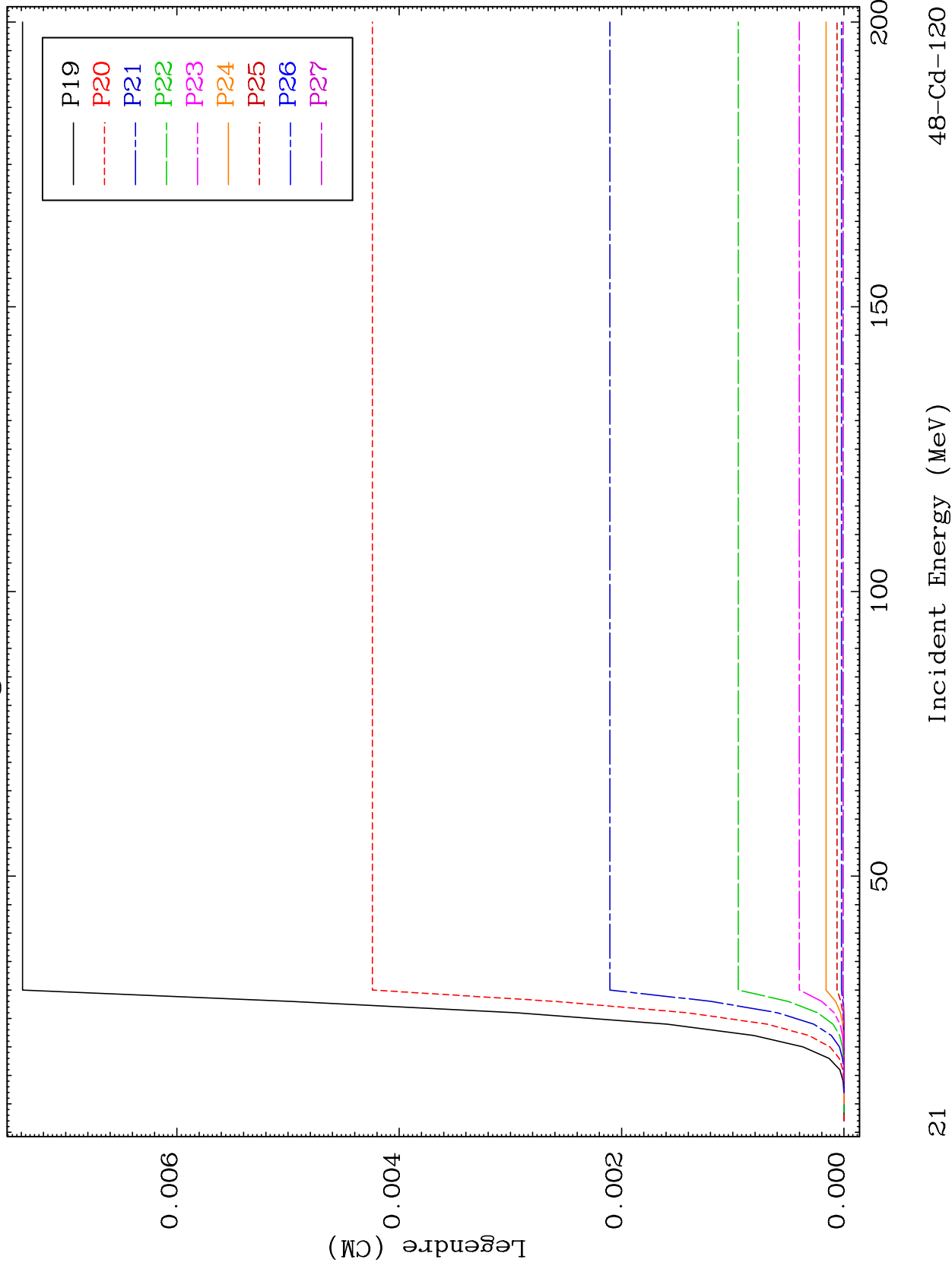
48-Cd-120



MAT 4867

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

48-Cd-120



21

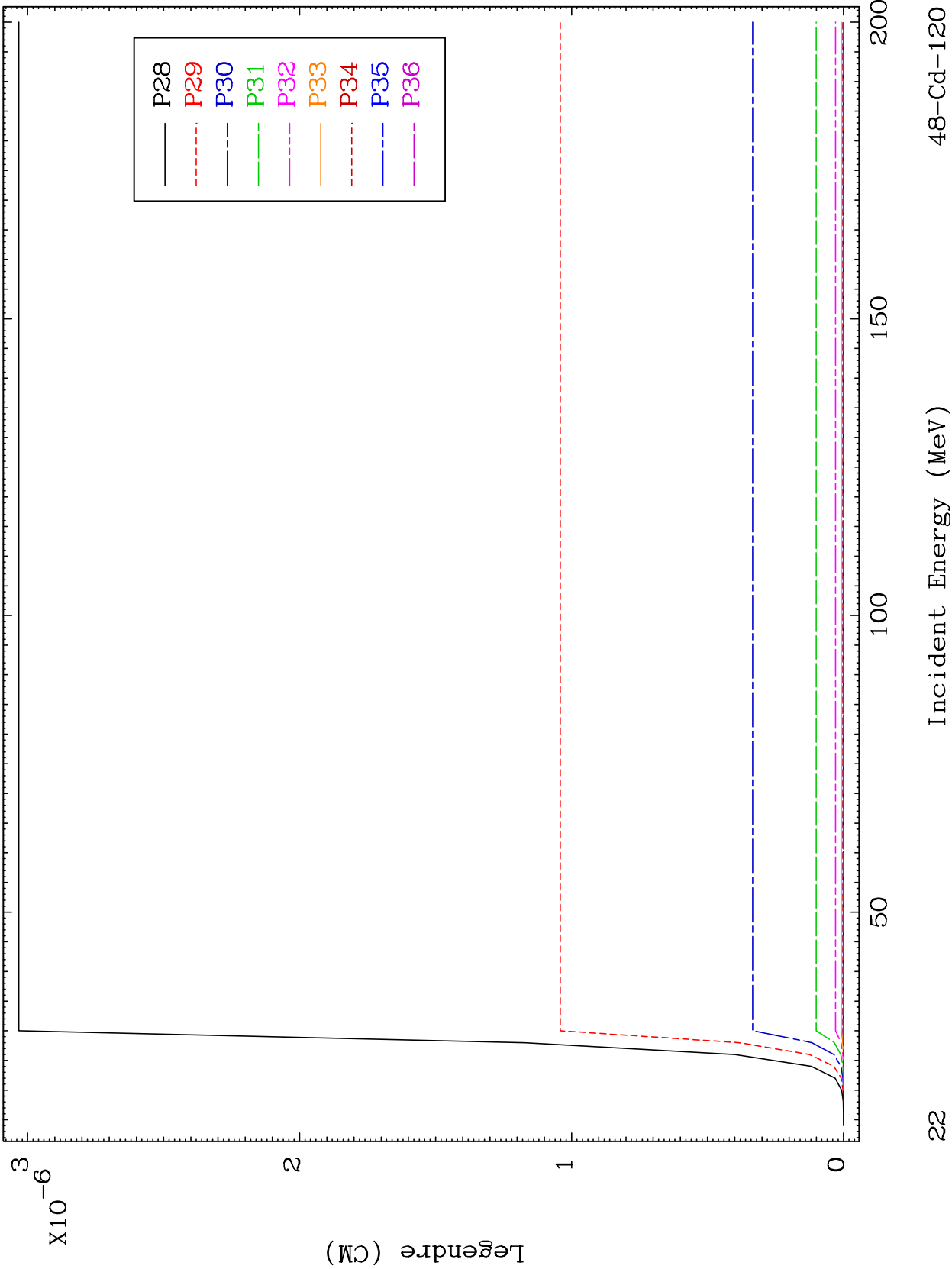
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120

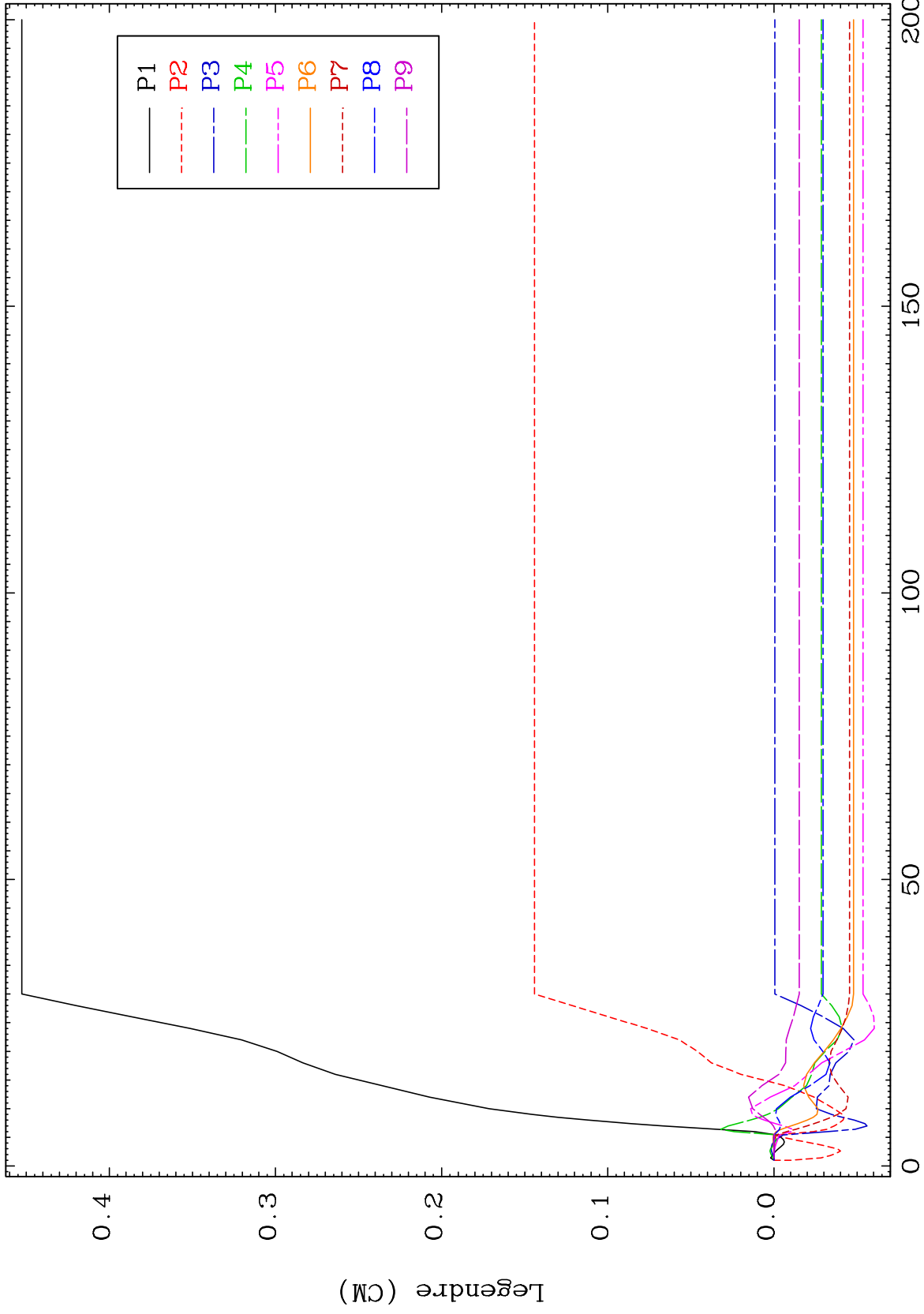


22

MAT 4867

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

48-Cd-120



23

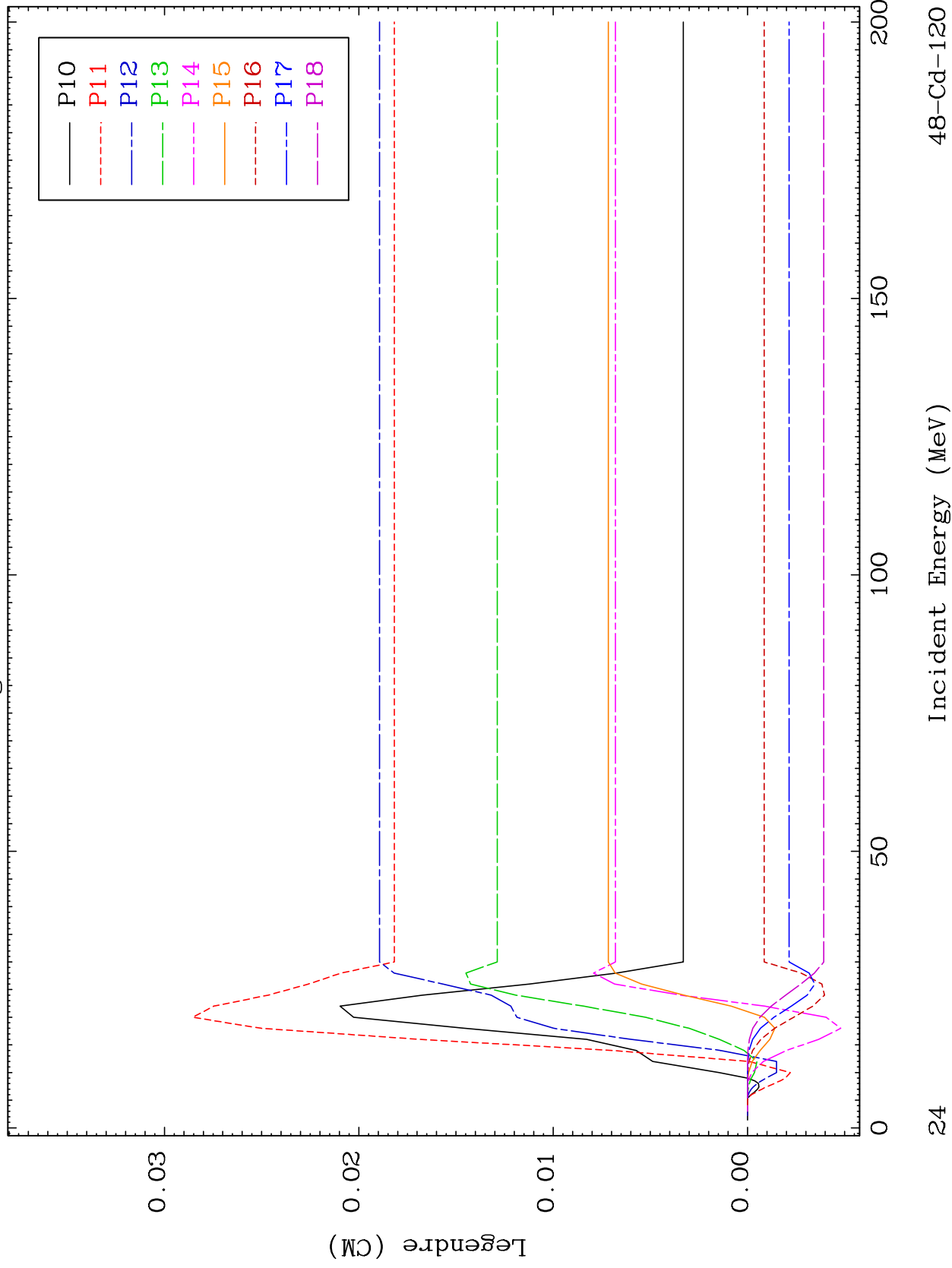
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



24

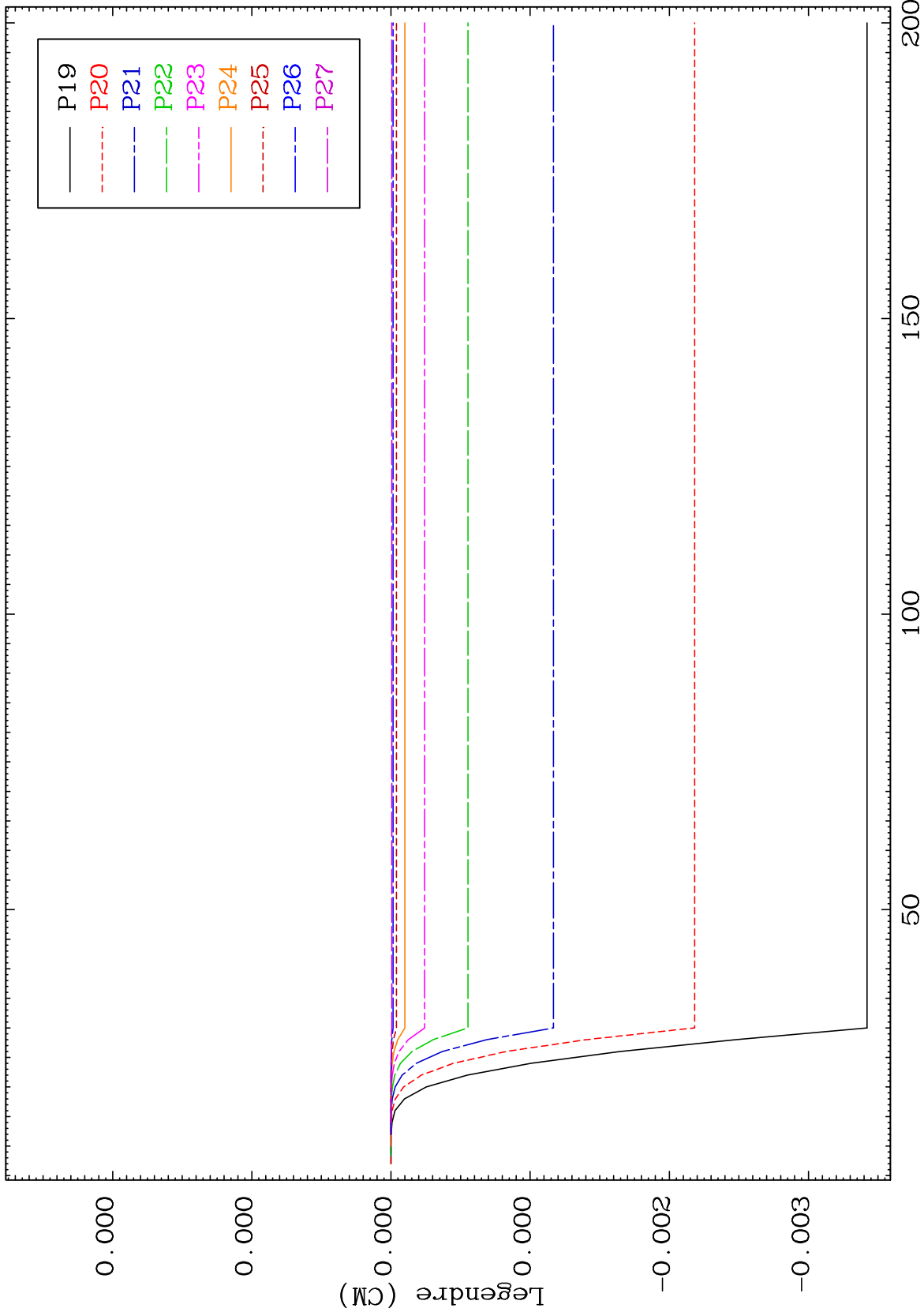
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

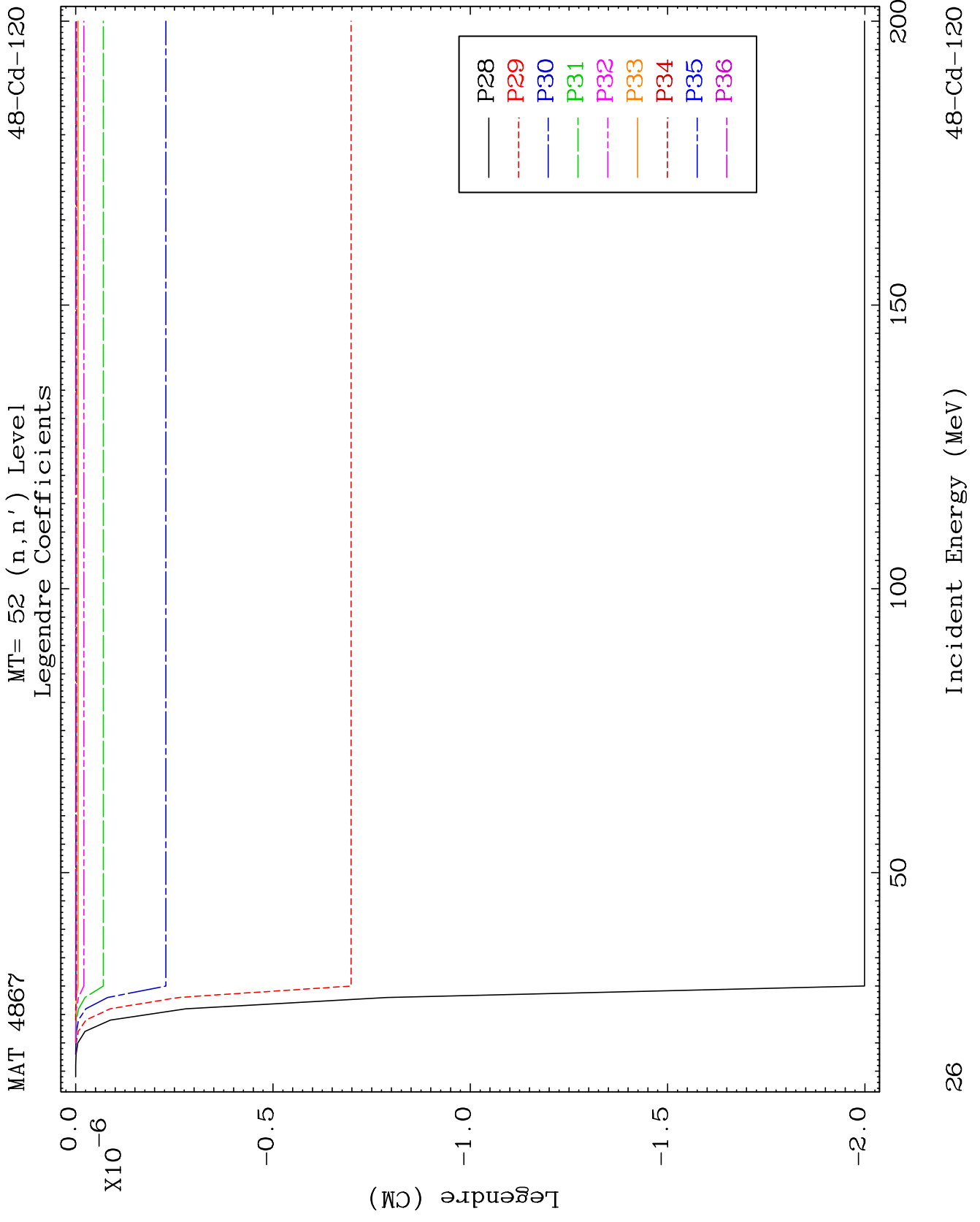
48-Cd-120



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Incident Energy (MeV)

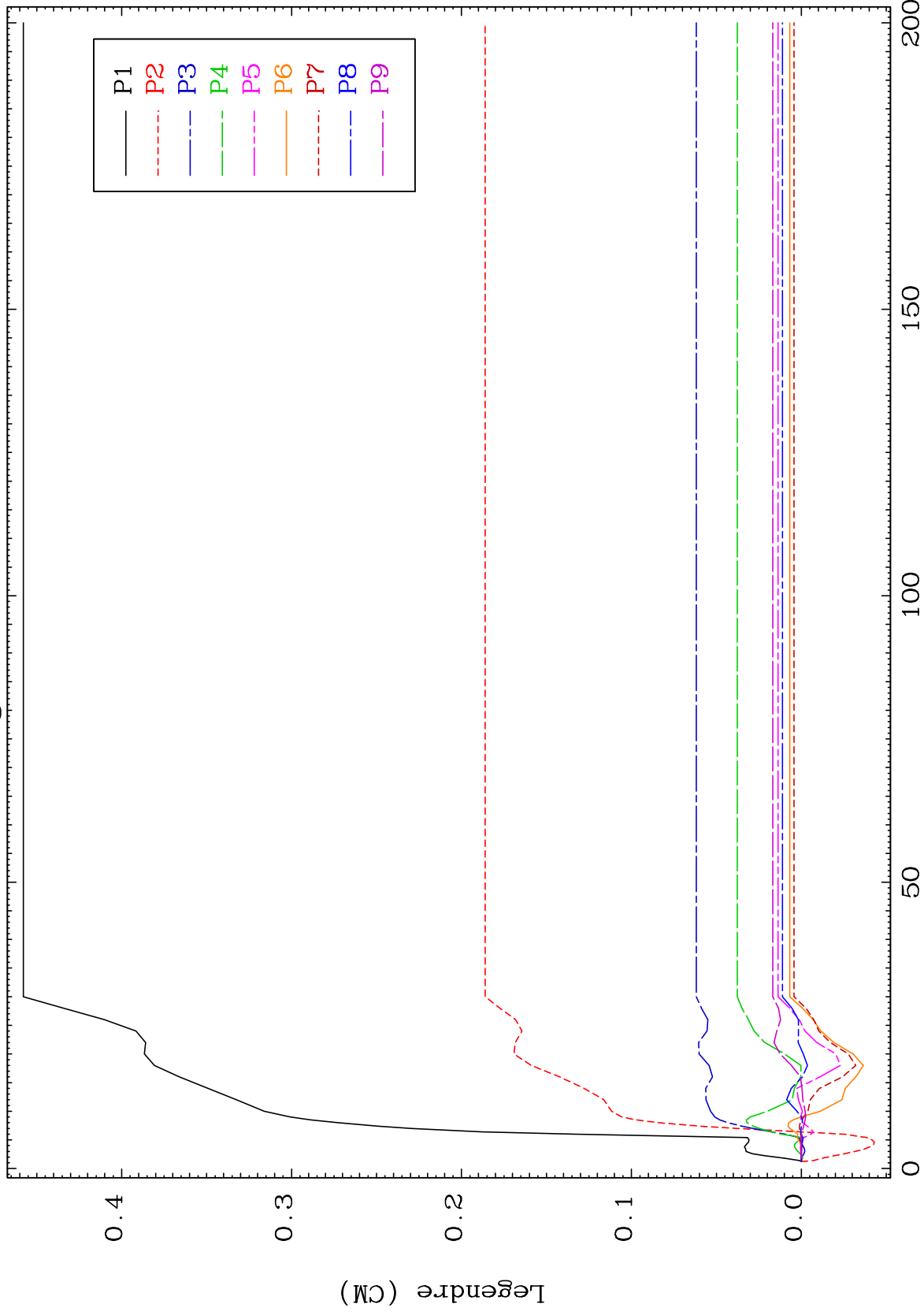
48-Cd-120



MAT 4867

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

48-Cd-120



27

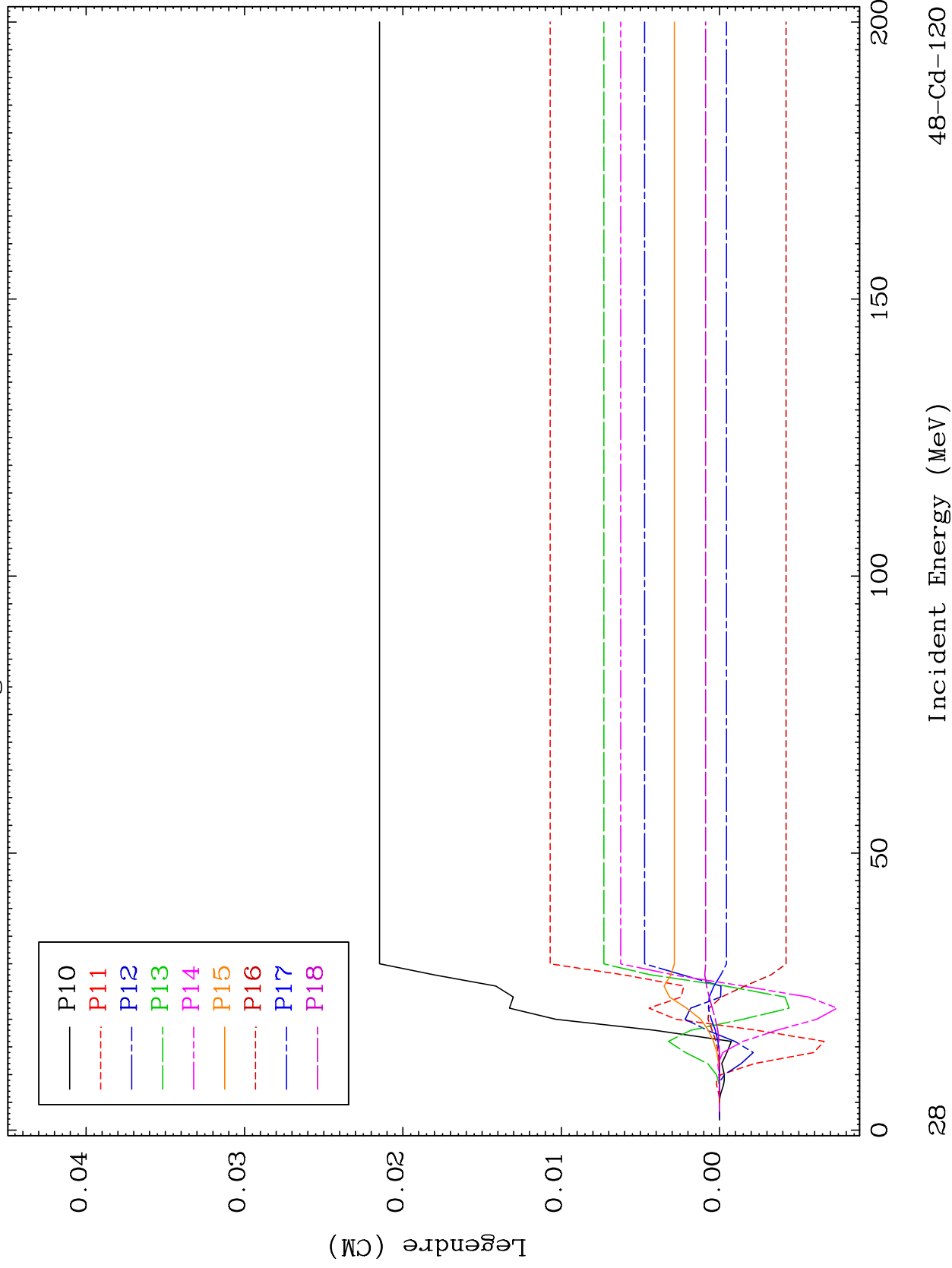
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



48-Cd-120

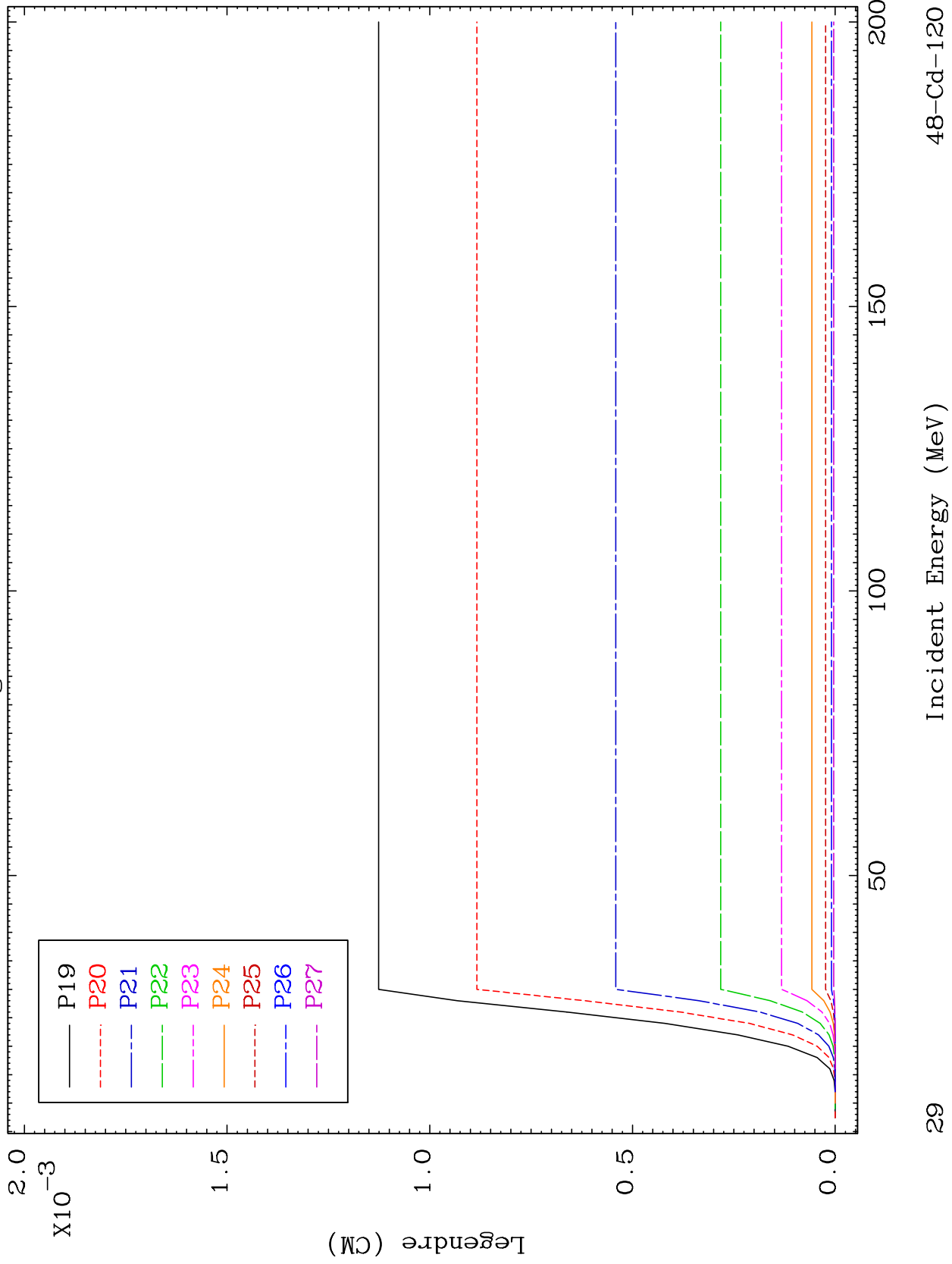
Incident Energy (MeV)

28

MAT 4867

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

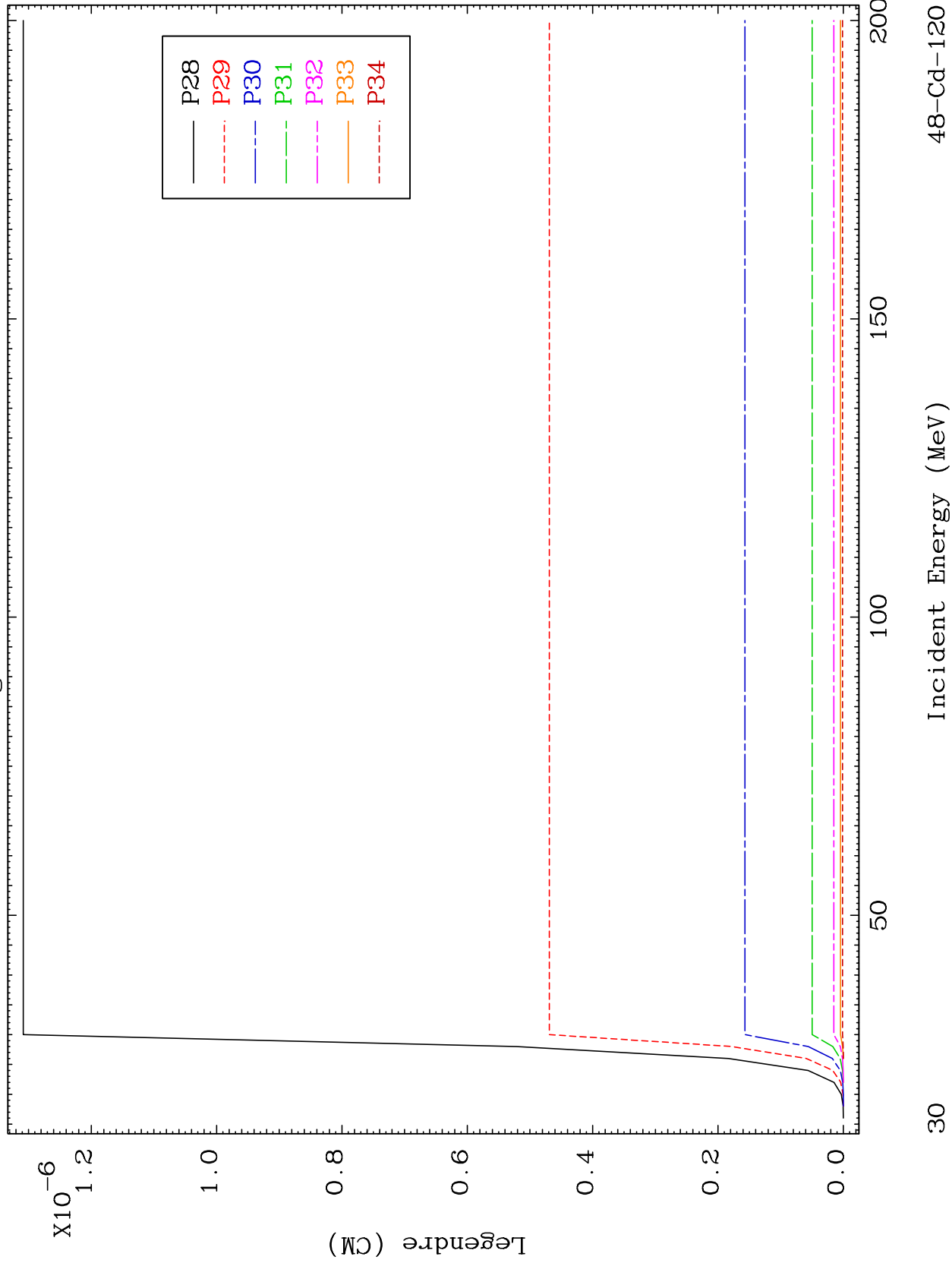
48-Cd-120



MAT 4867

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

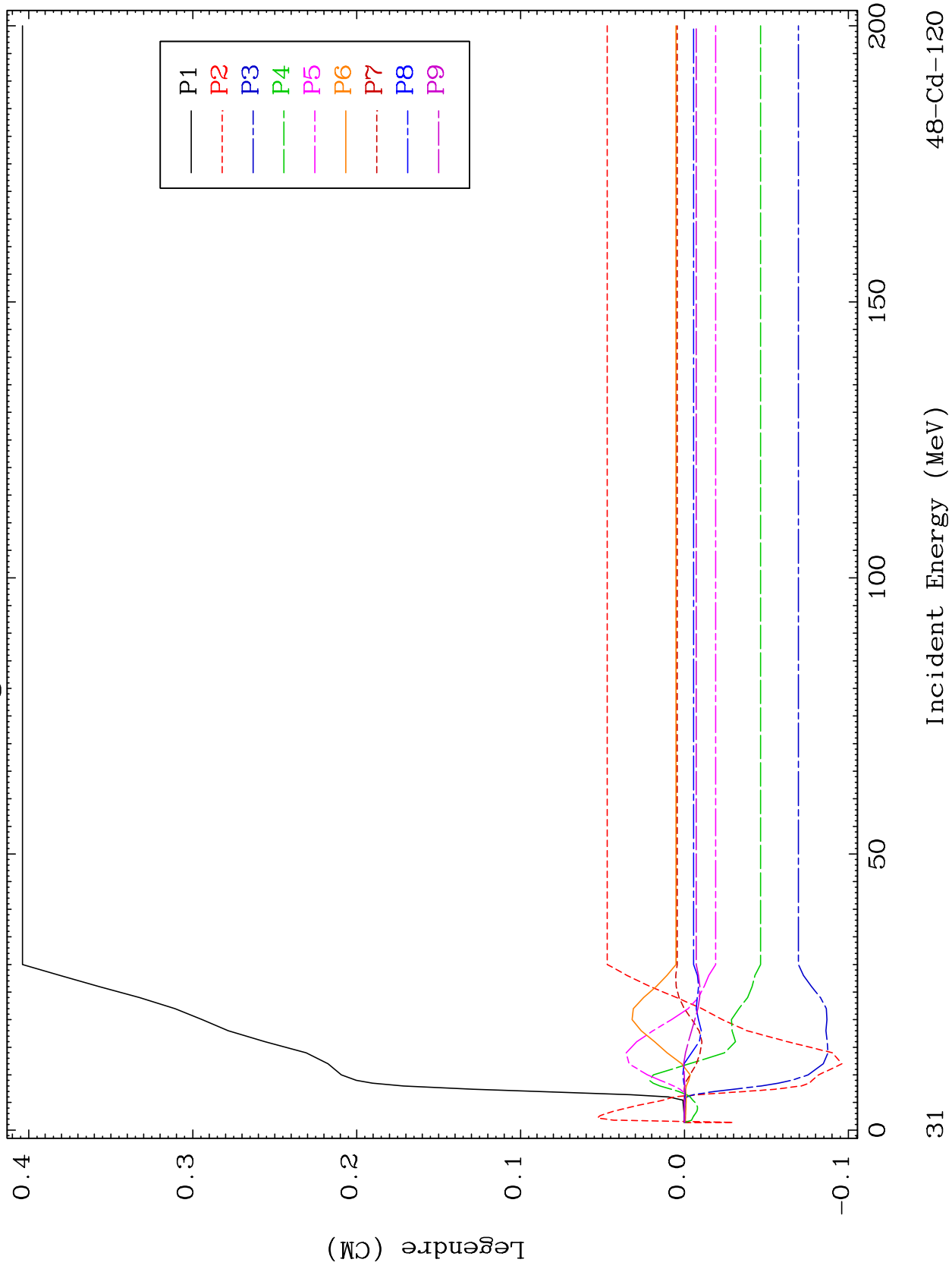
48-Cd-120



MAT 4867

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

48-Cd-120



31

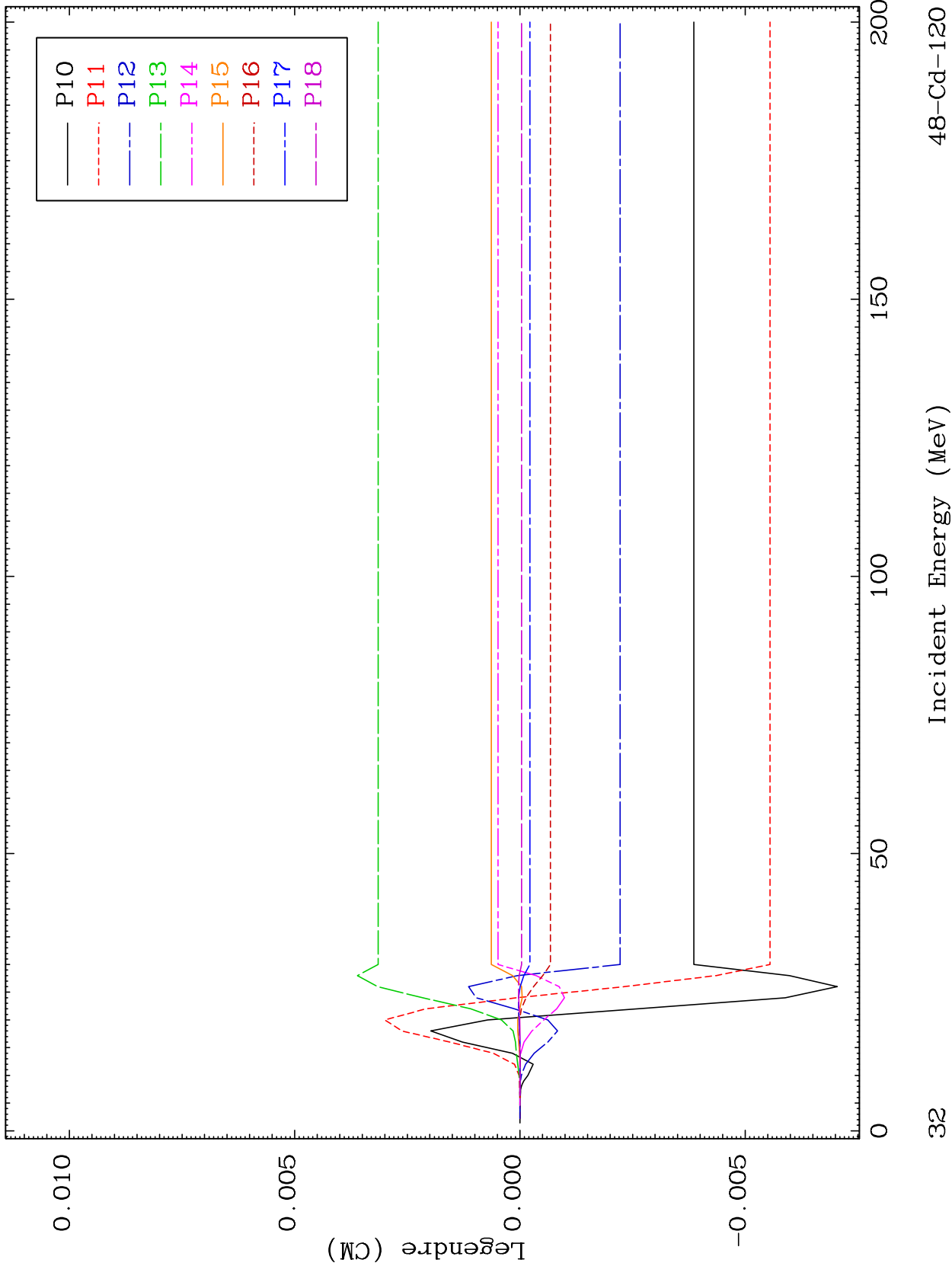
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



32

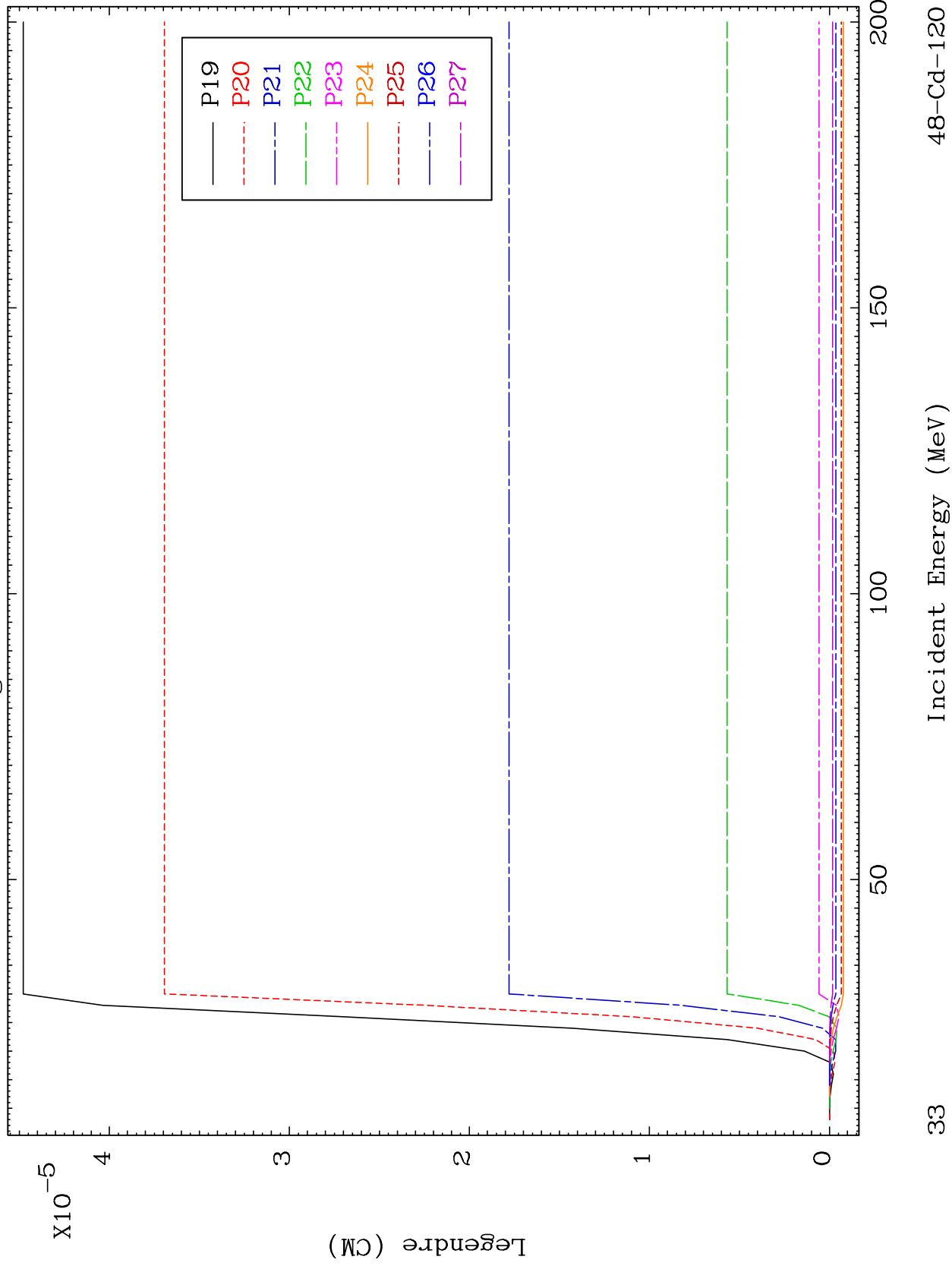
Incident Energy (MeV)

48-Cd-120

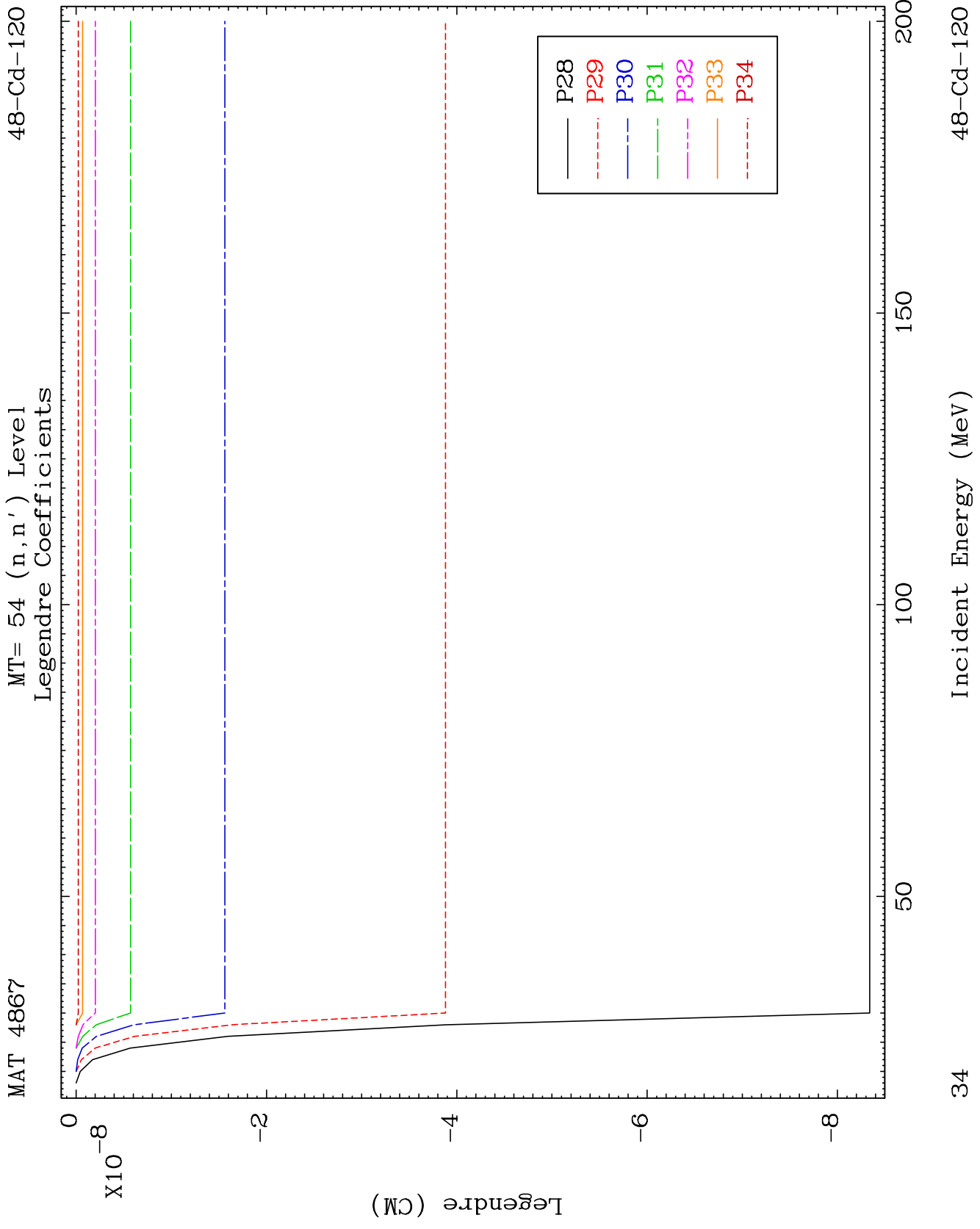
MAT 4867

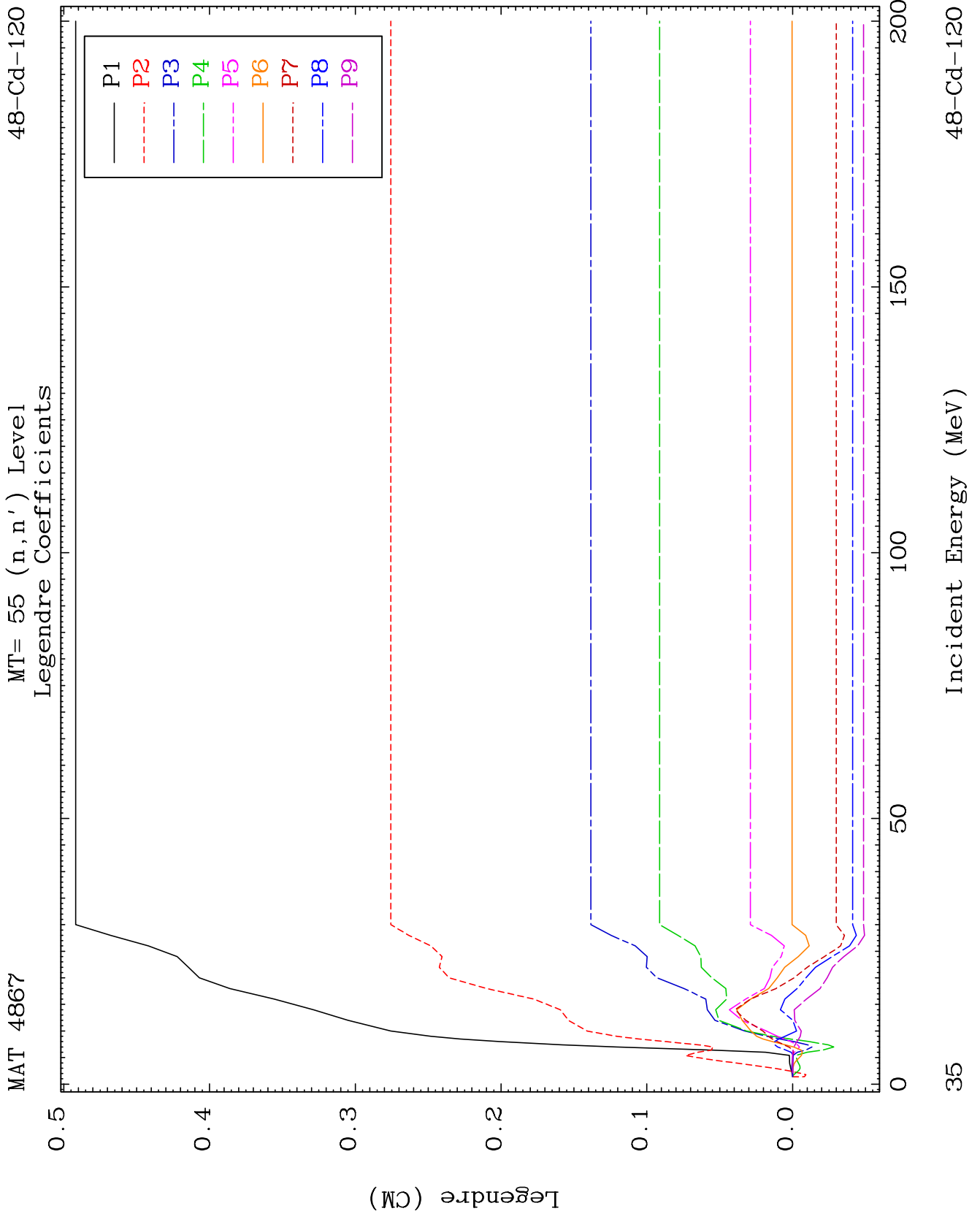
MT= 54 (n,n') Level
Legendre Coefficients

48-Cd-120



33

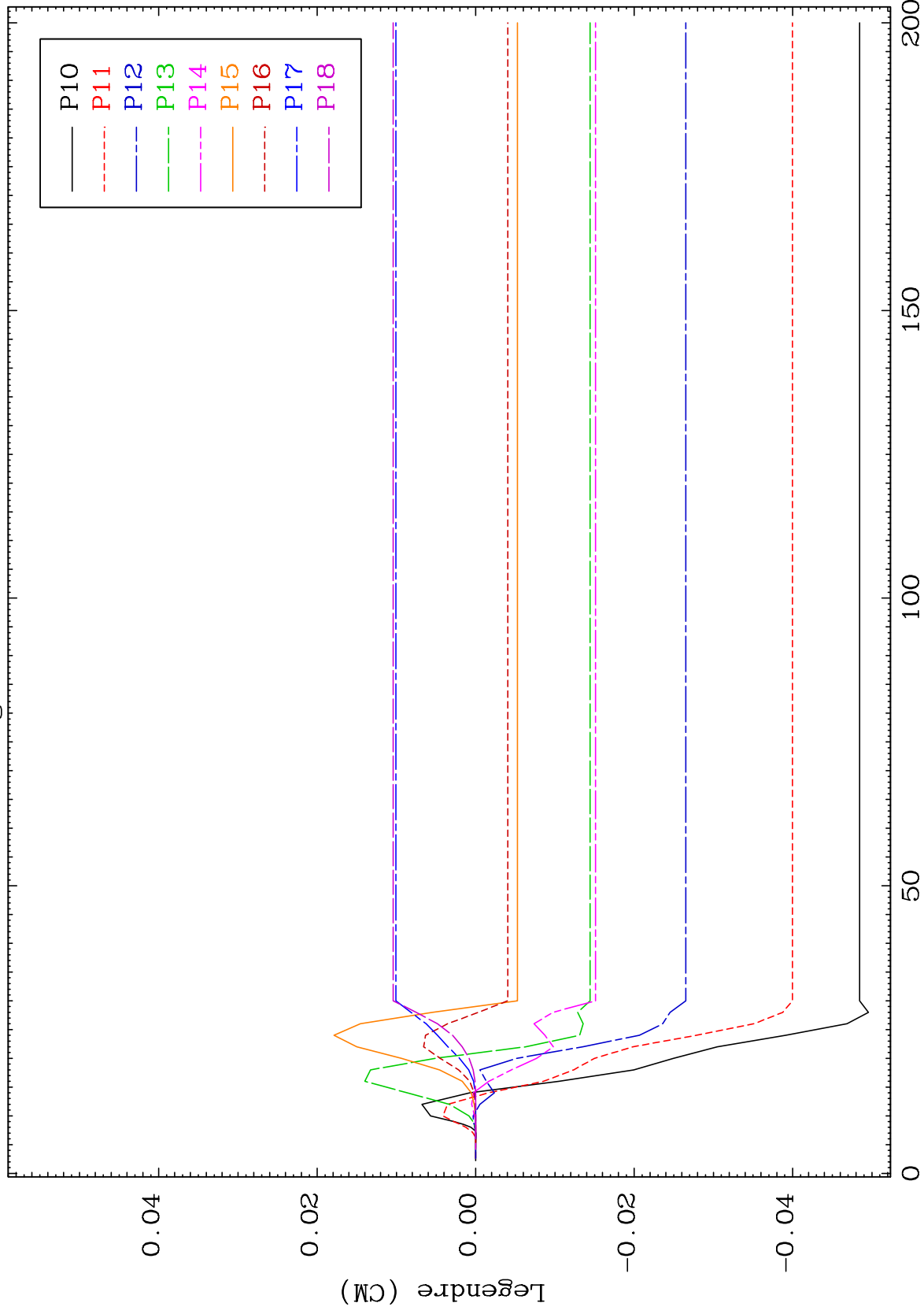




MAT 4867

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

48-Cd-120



36

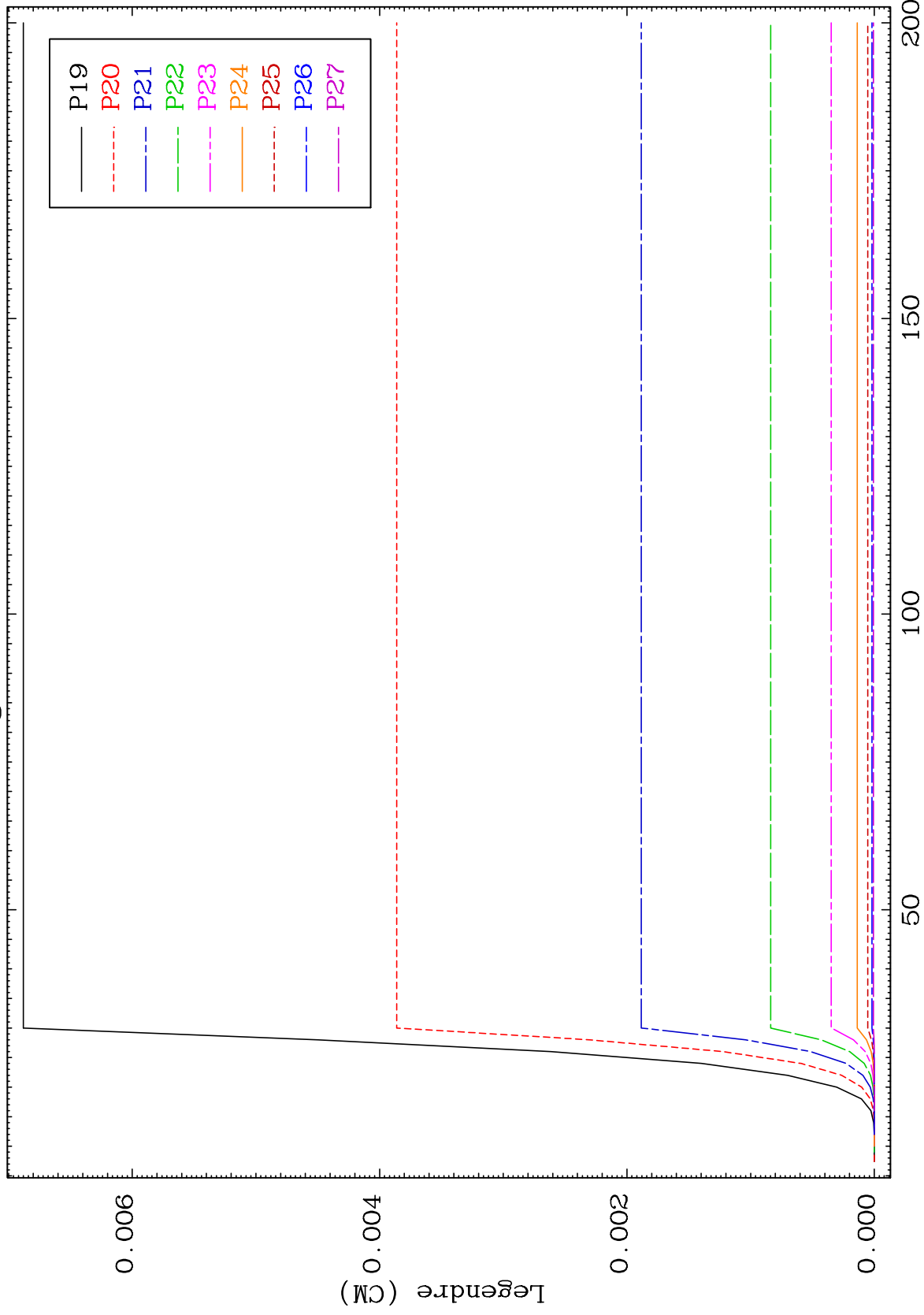
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



37

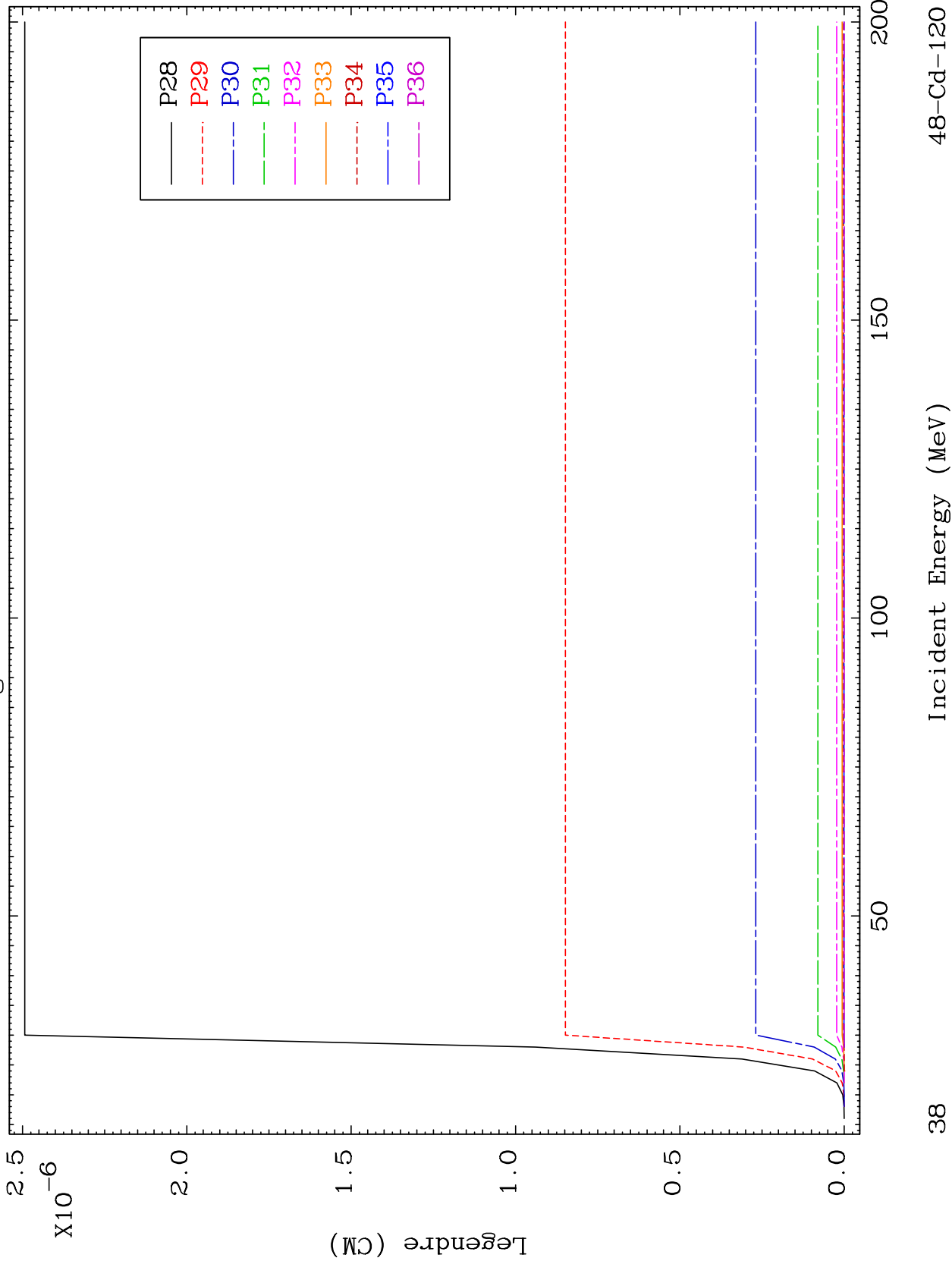
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

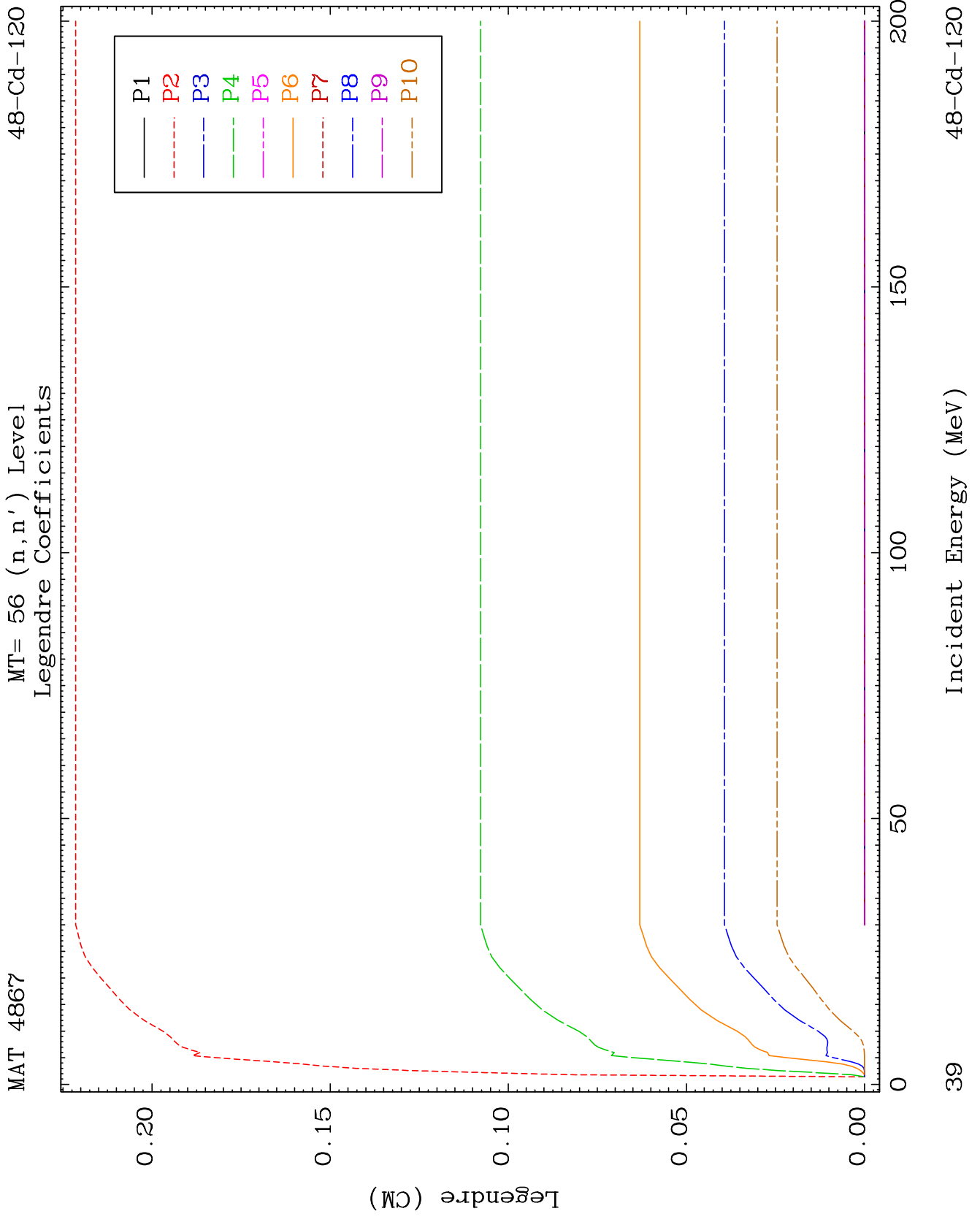
48-Cd-120

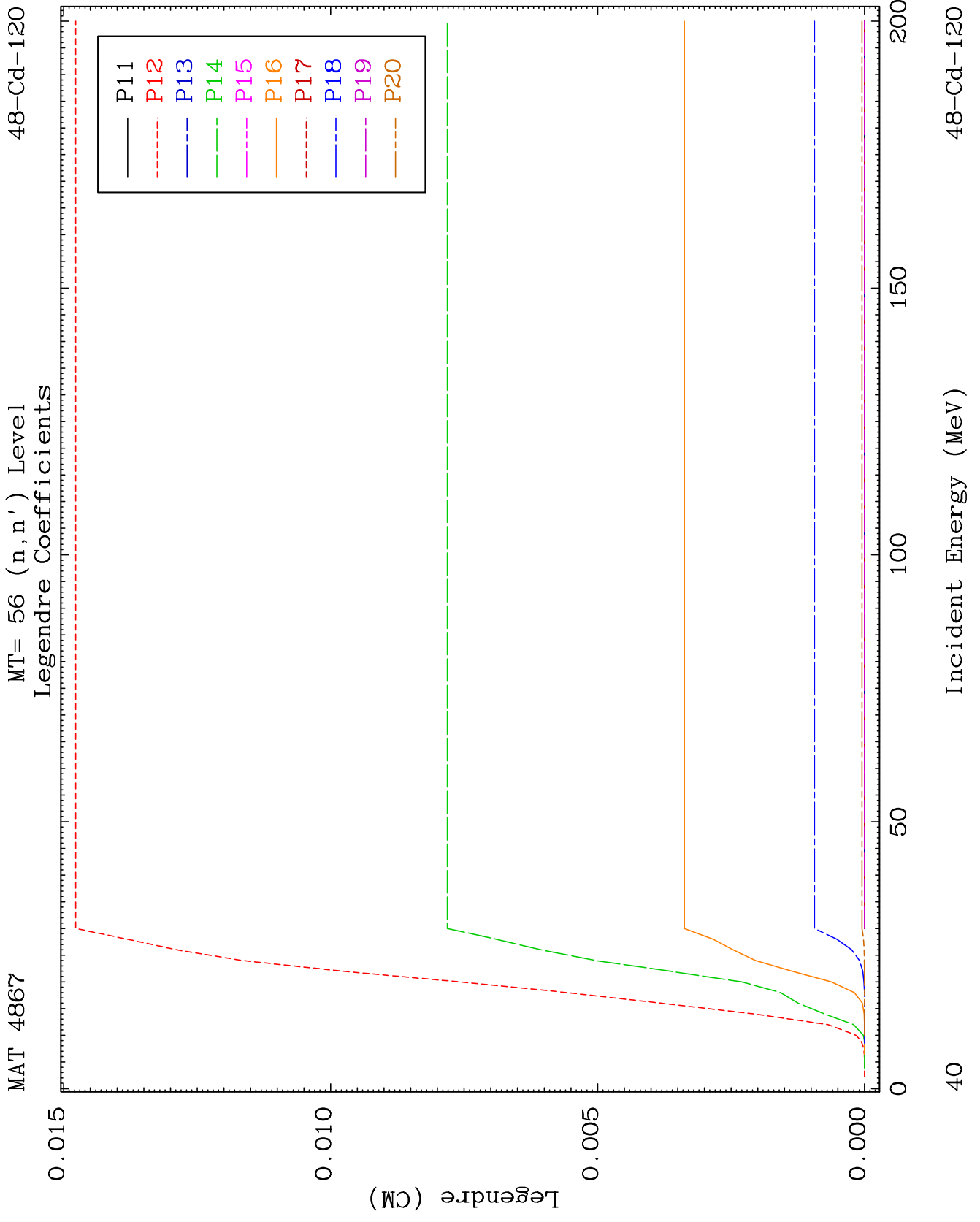


38

Incident Energy (MeV)

48-Cd-120

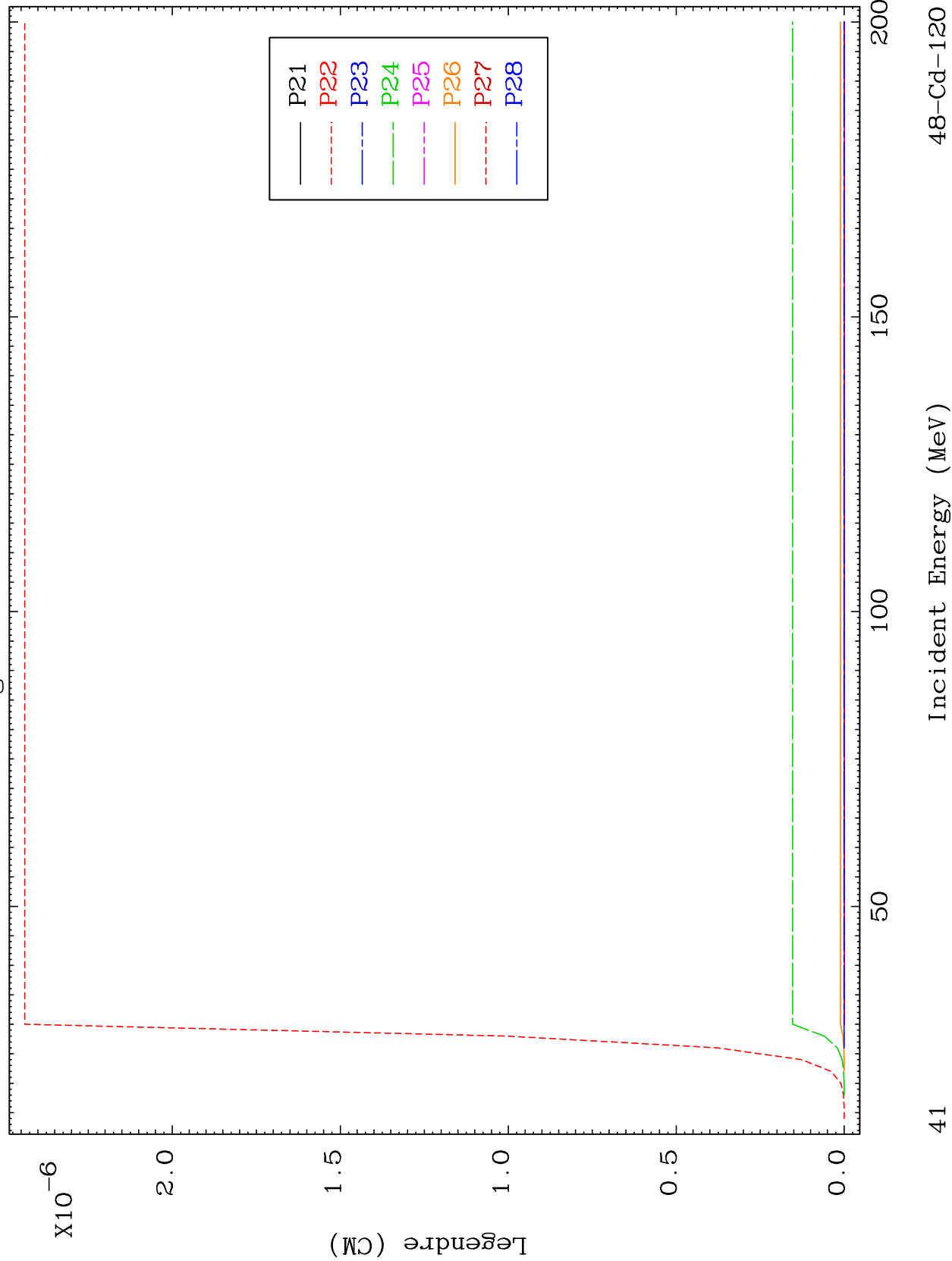




MAT 4867

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

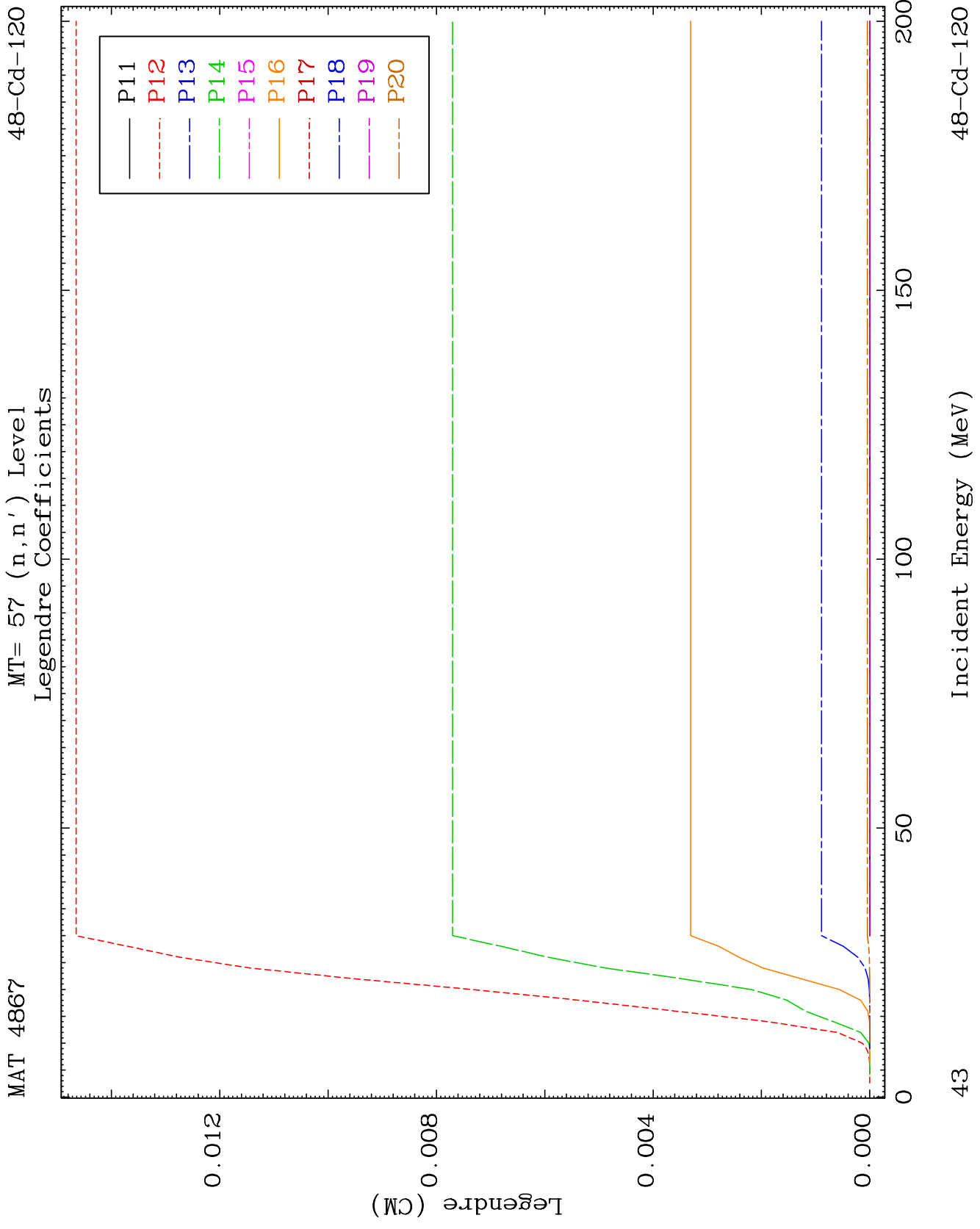
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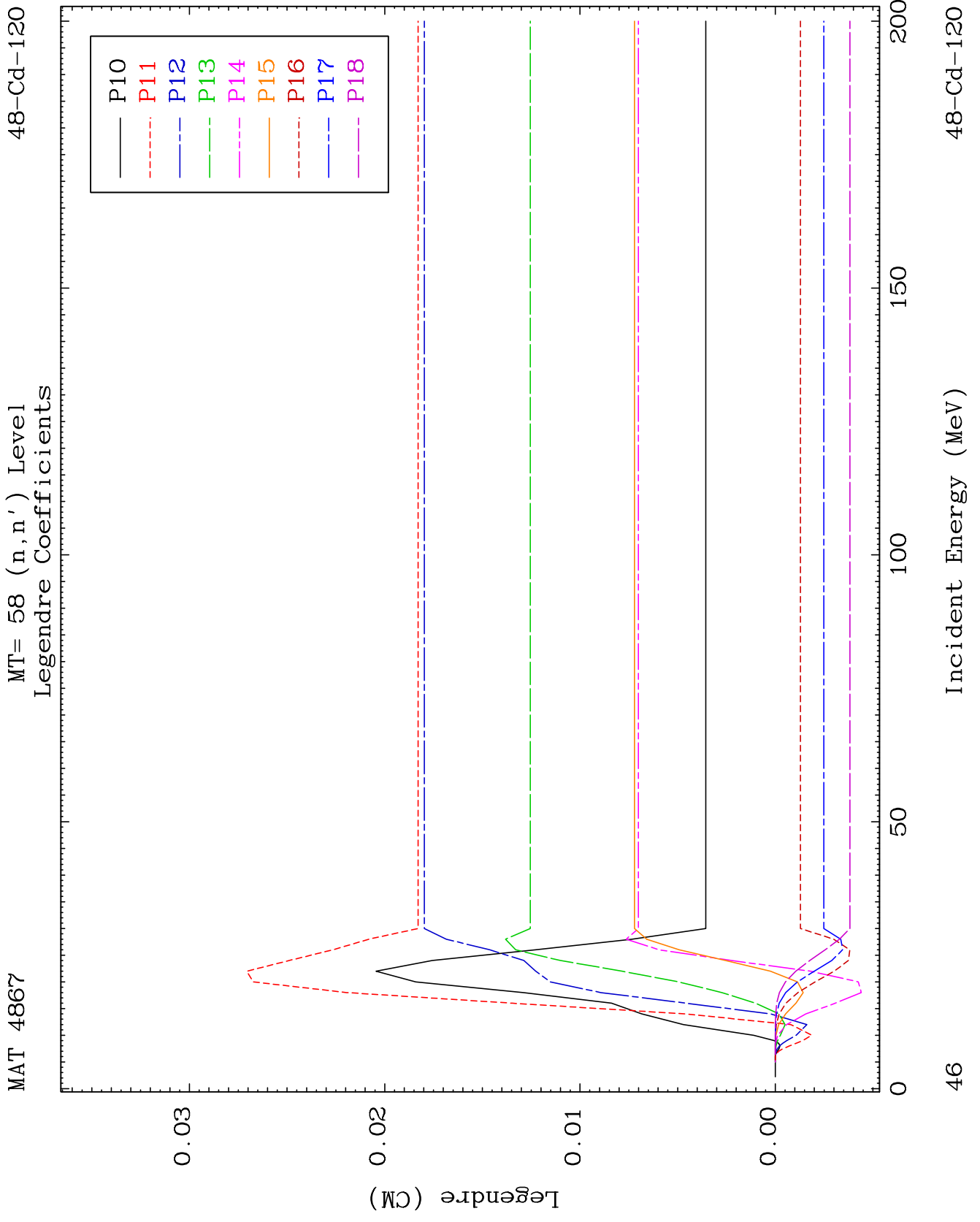


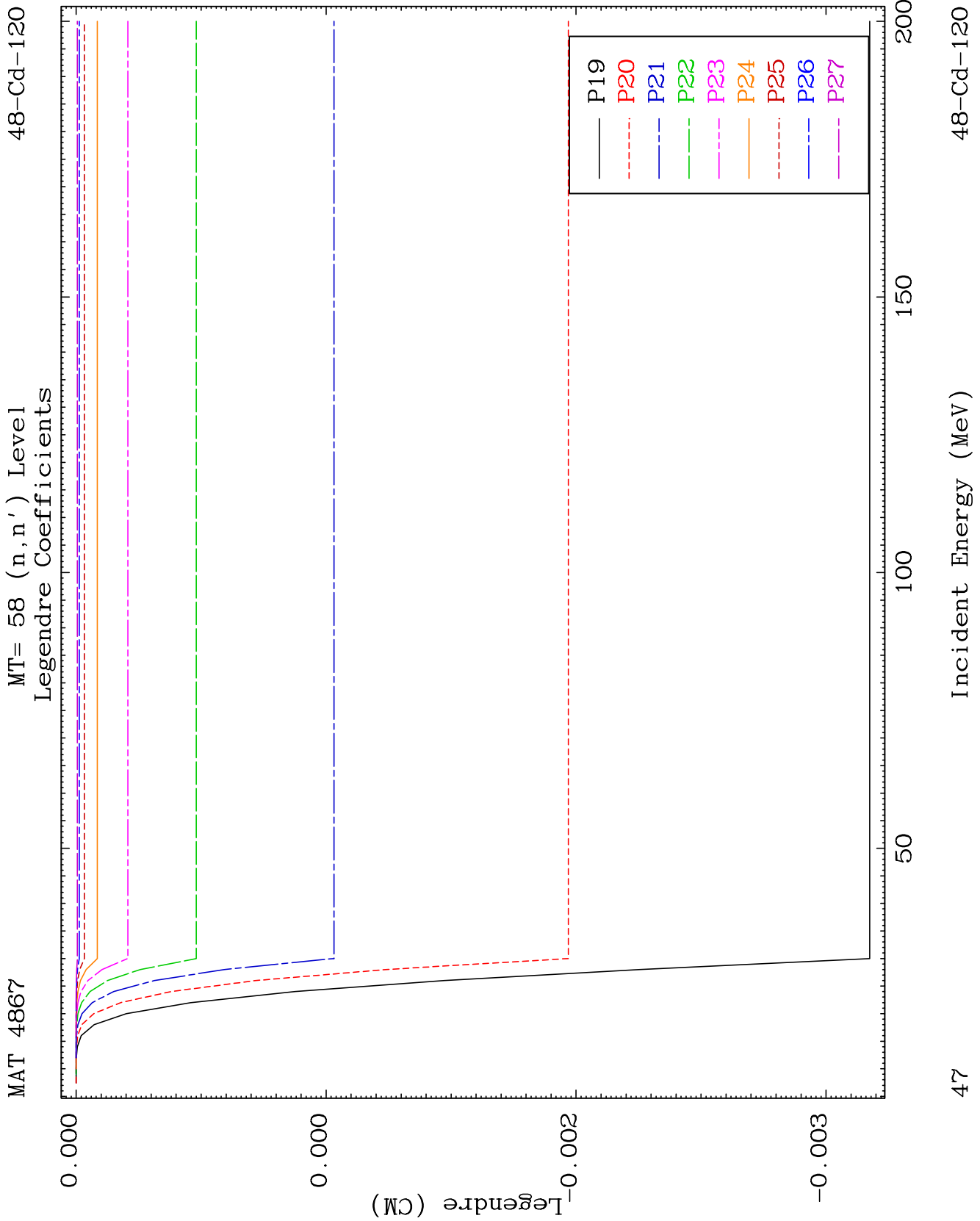
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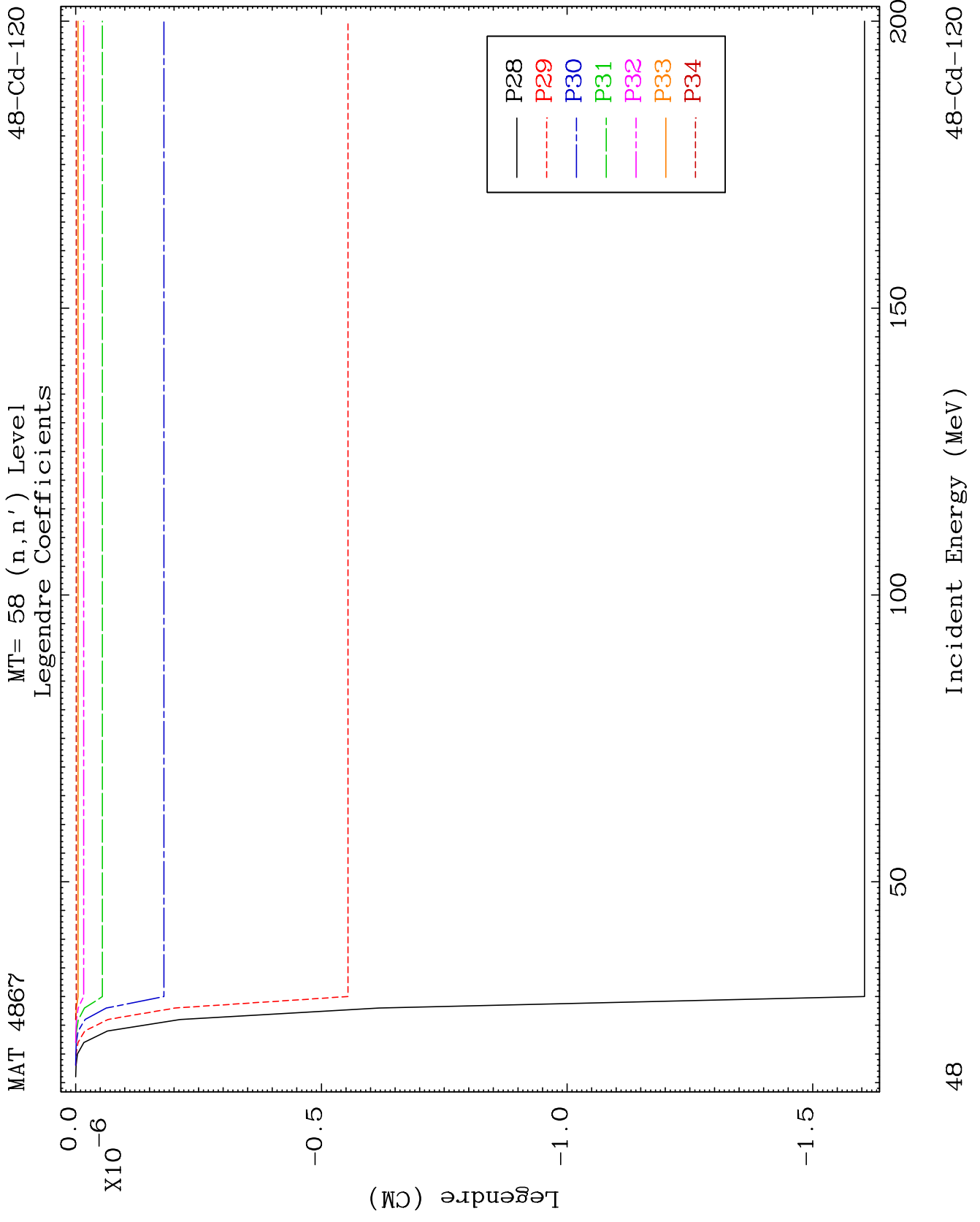
Incident Energy (MeV)

48-Cd-120





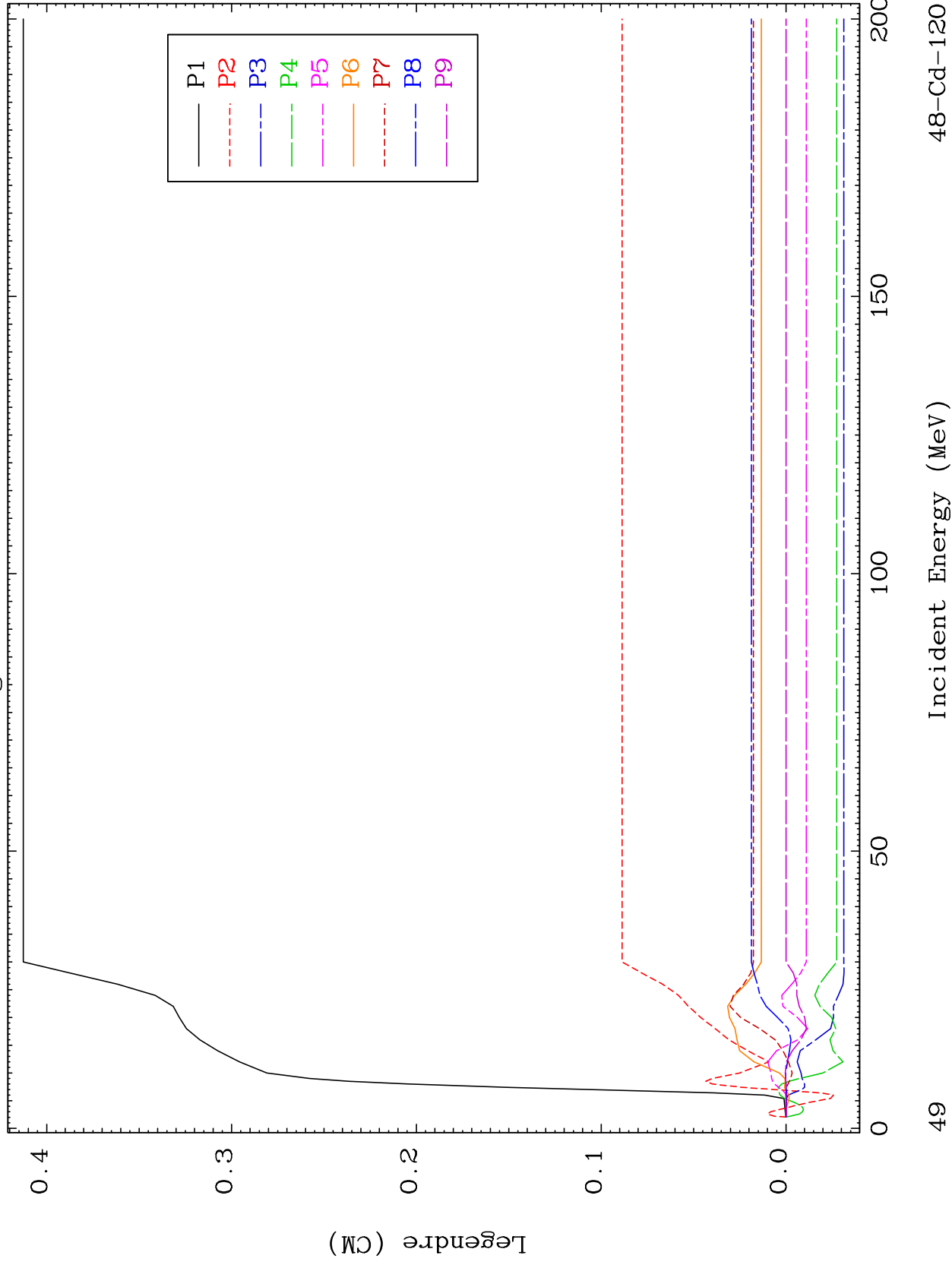




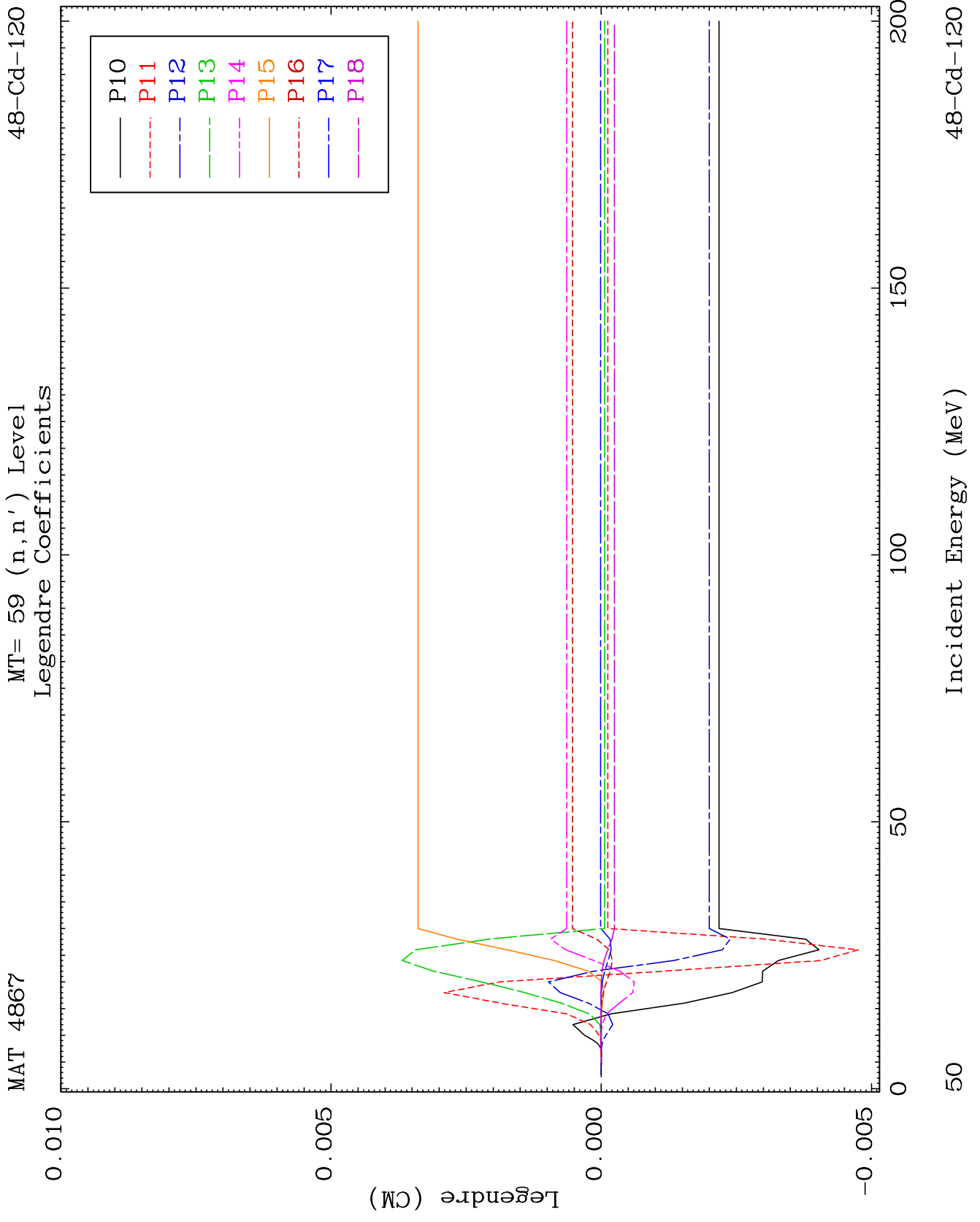
MAT 4867

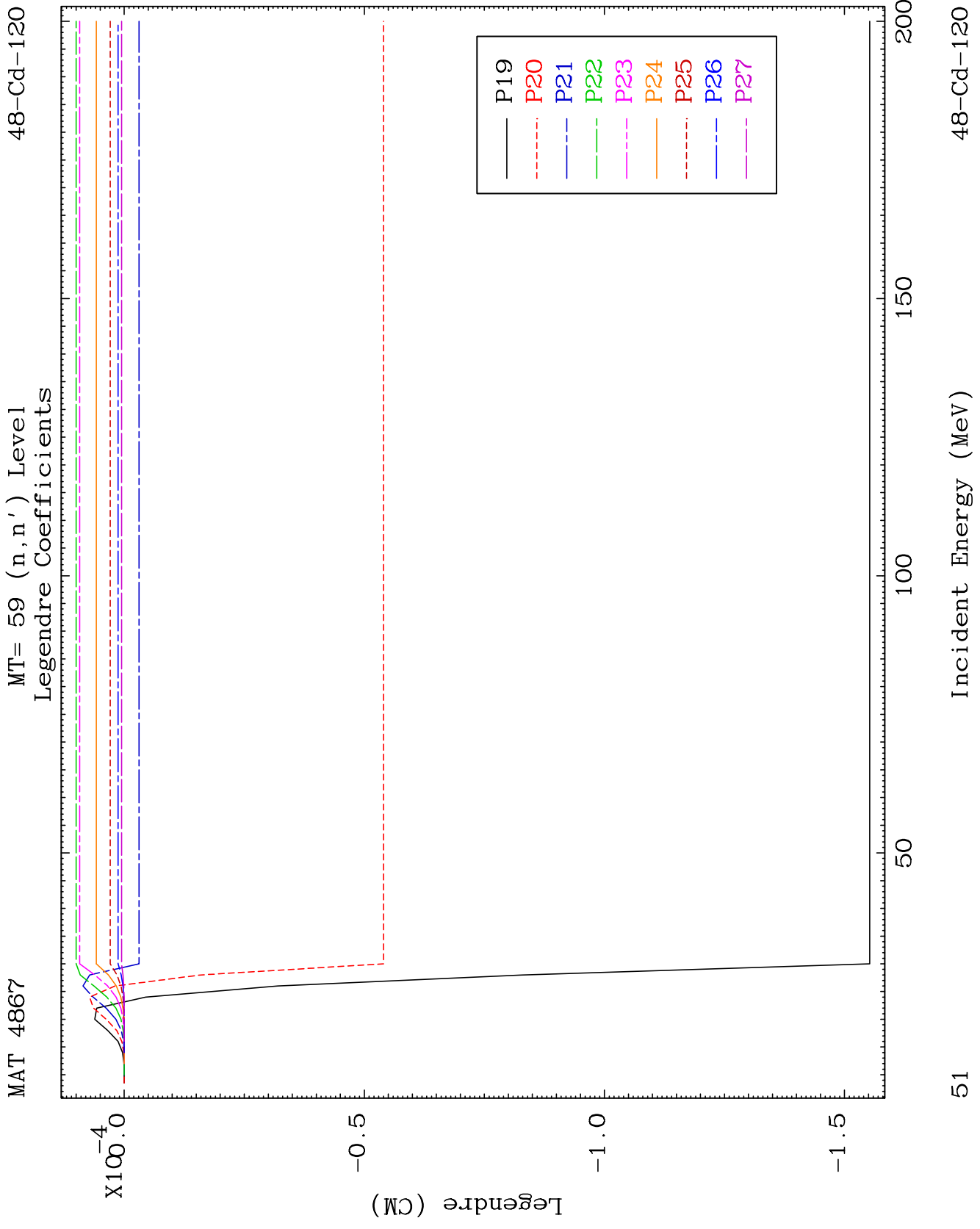
MT= 59 (n,n') Level
Legendre Coefficients

48-Cd-120



49

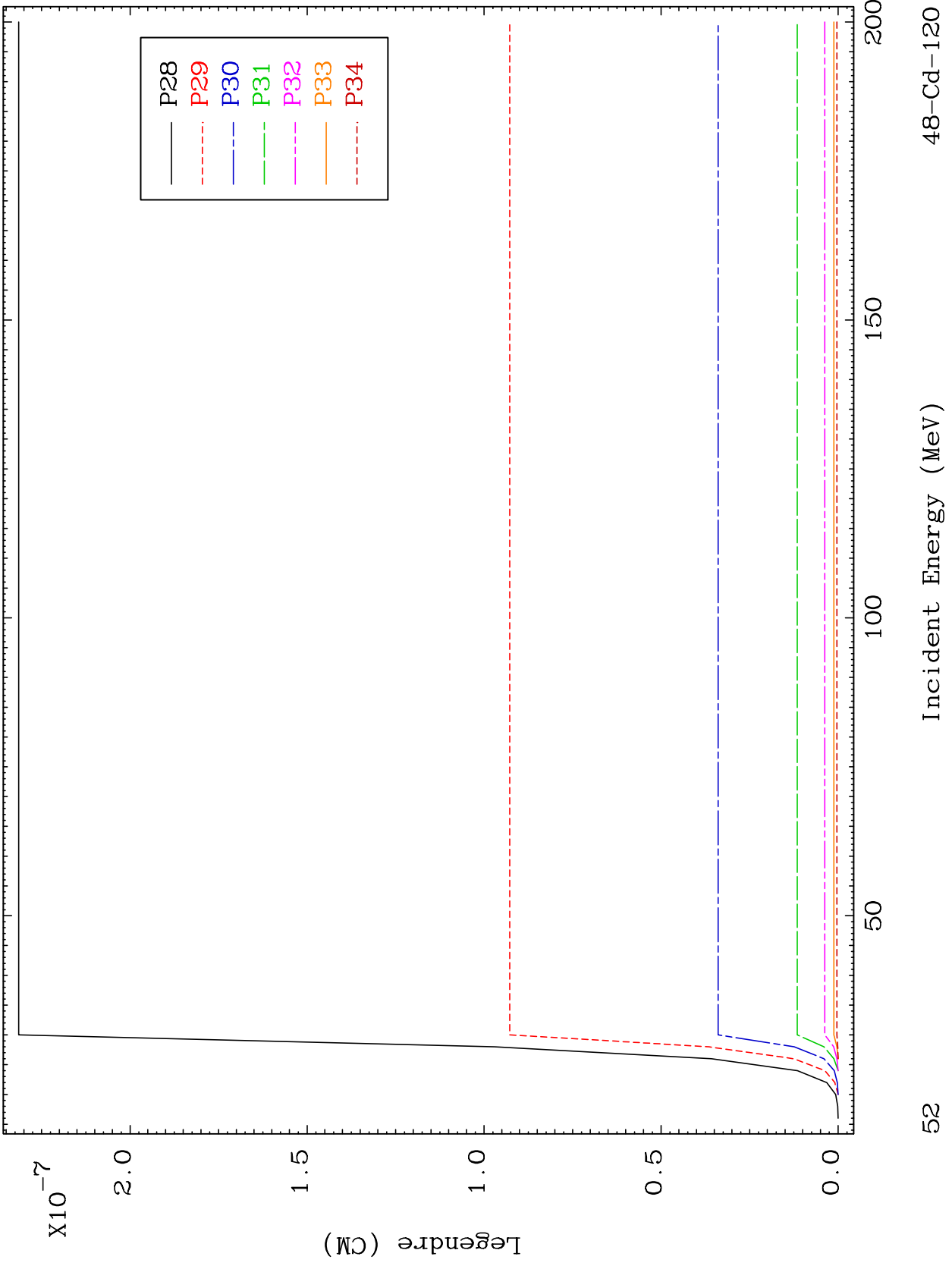




MAT 4867

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

48-Cd-120



52

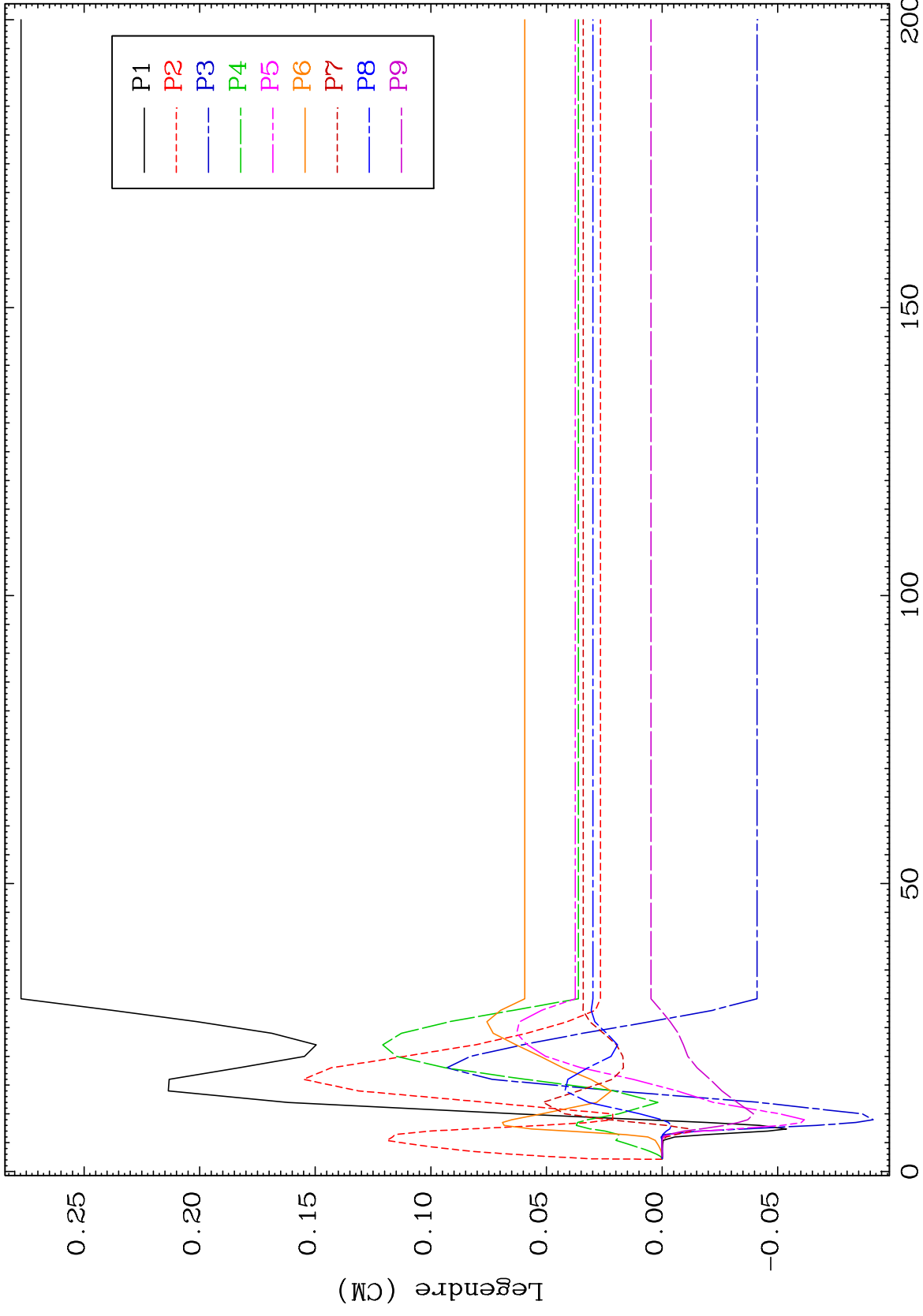
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



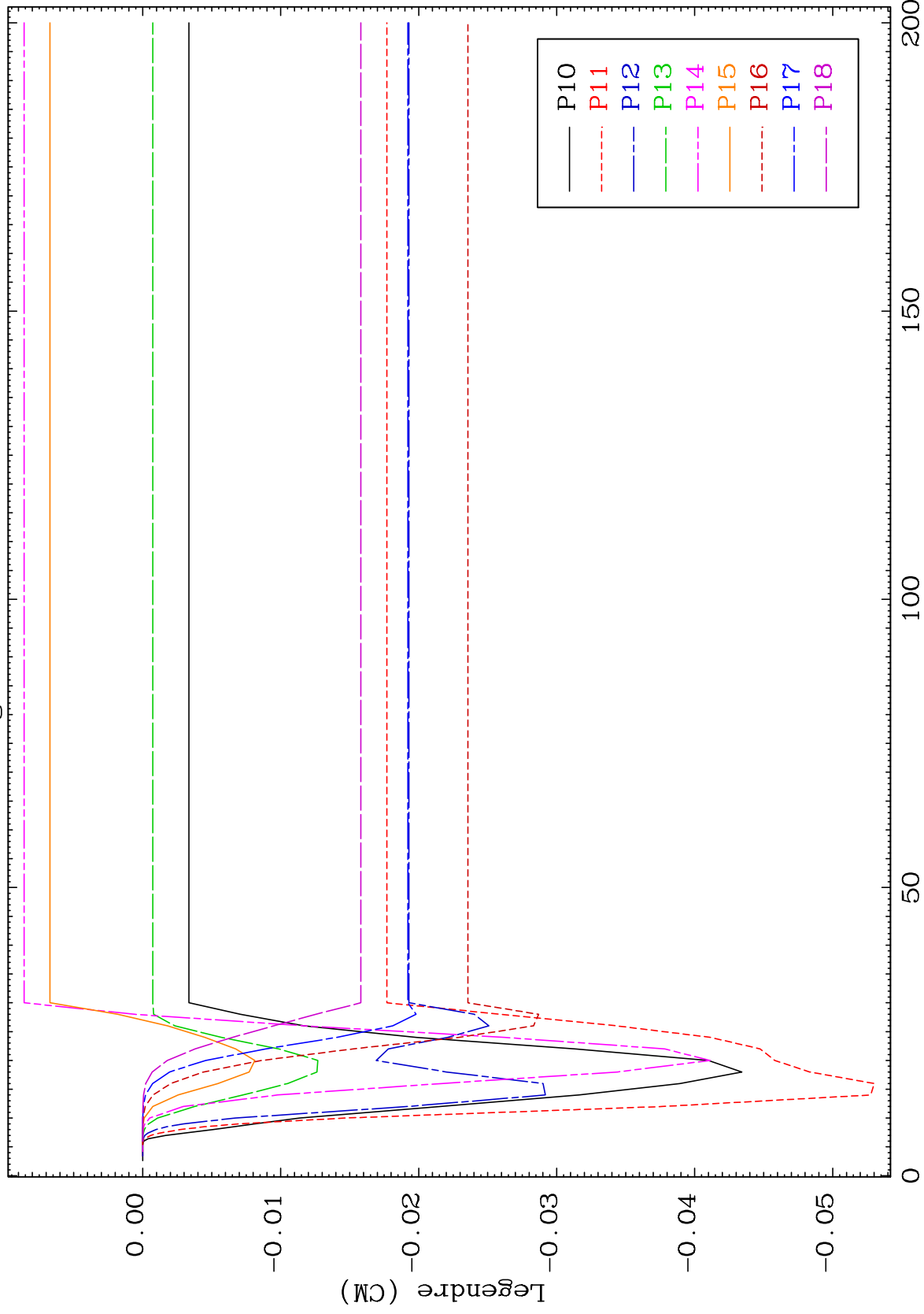
53

48-Cd-120

MAT 4867

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

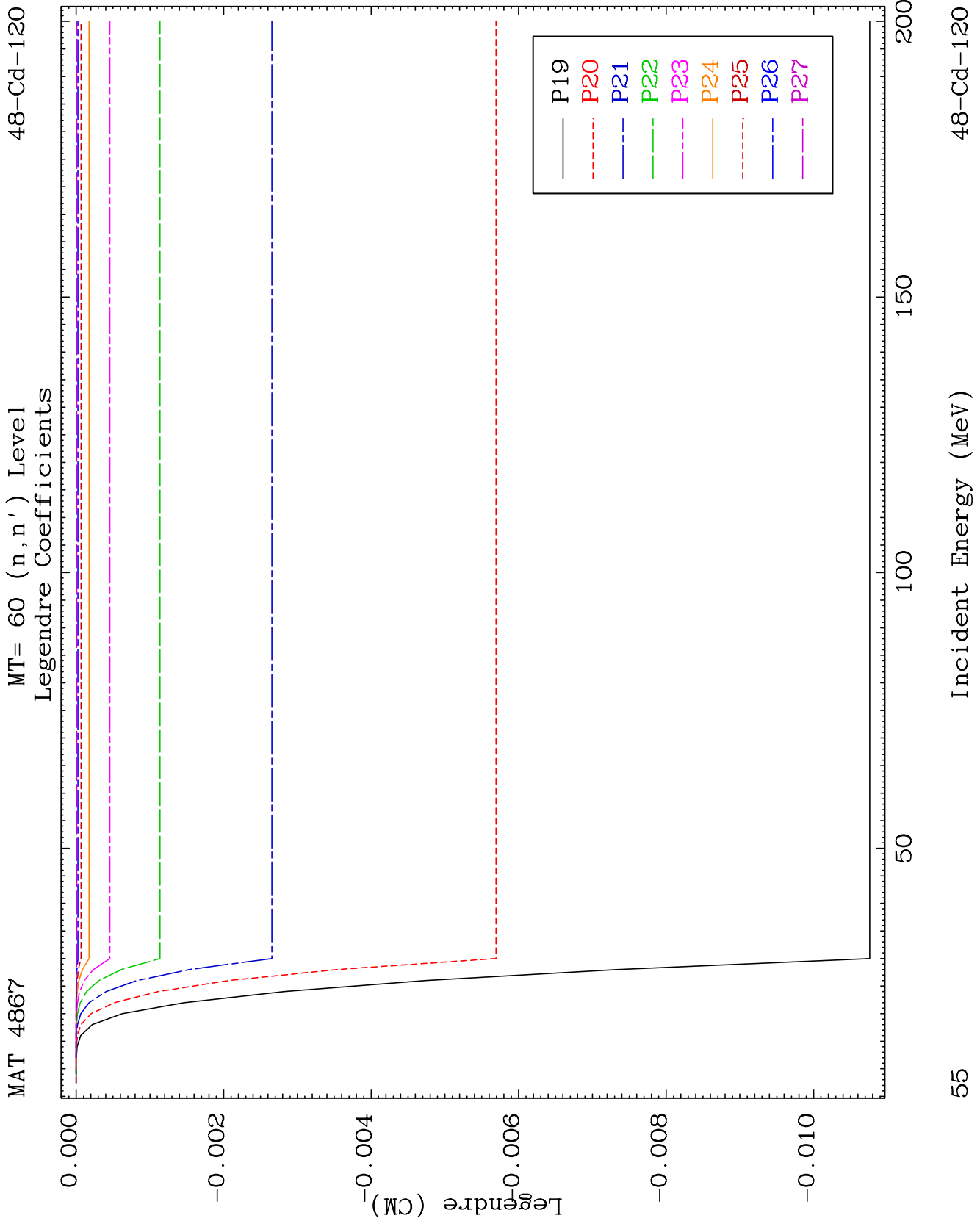
48-Cd-120

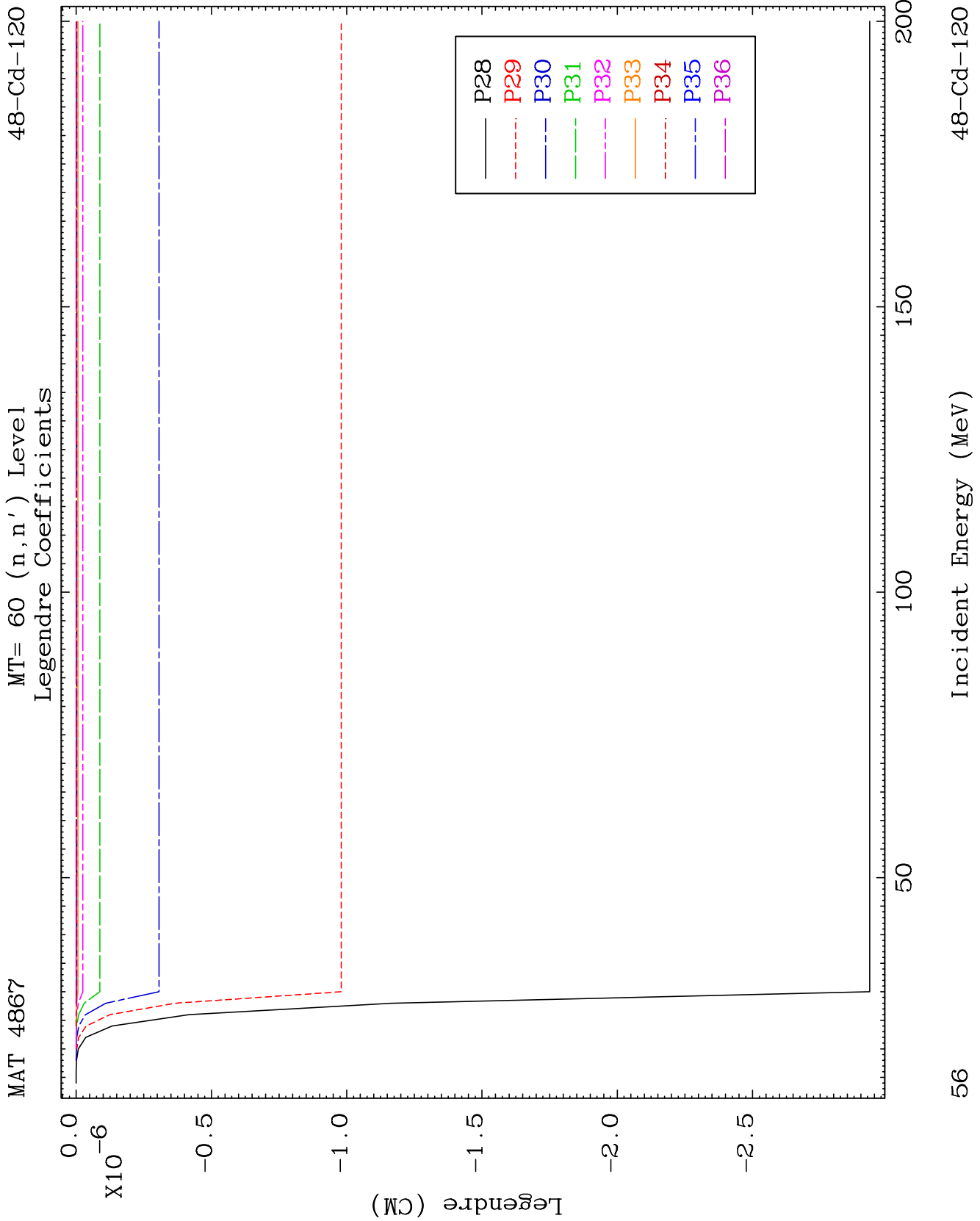


54

Incident Energy (MeV)

48-Cd-120

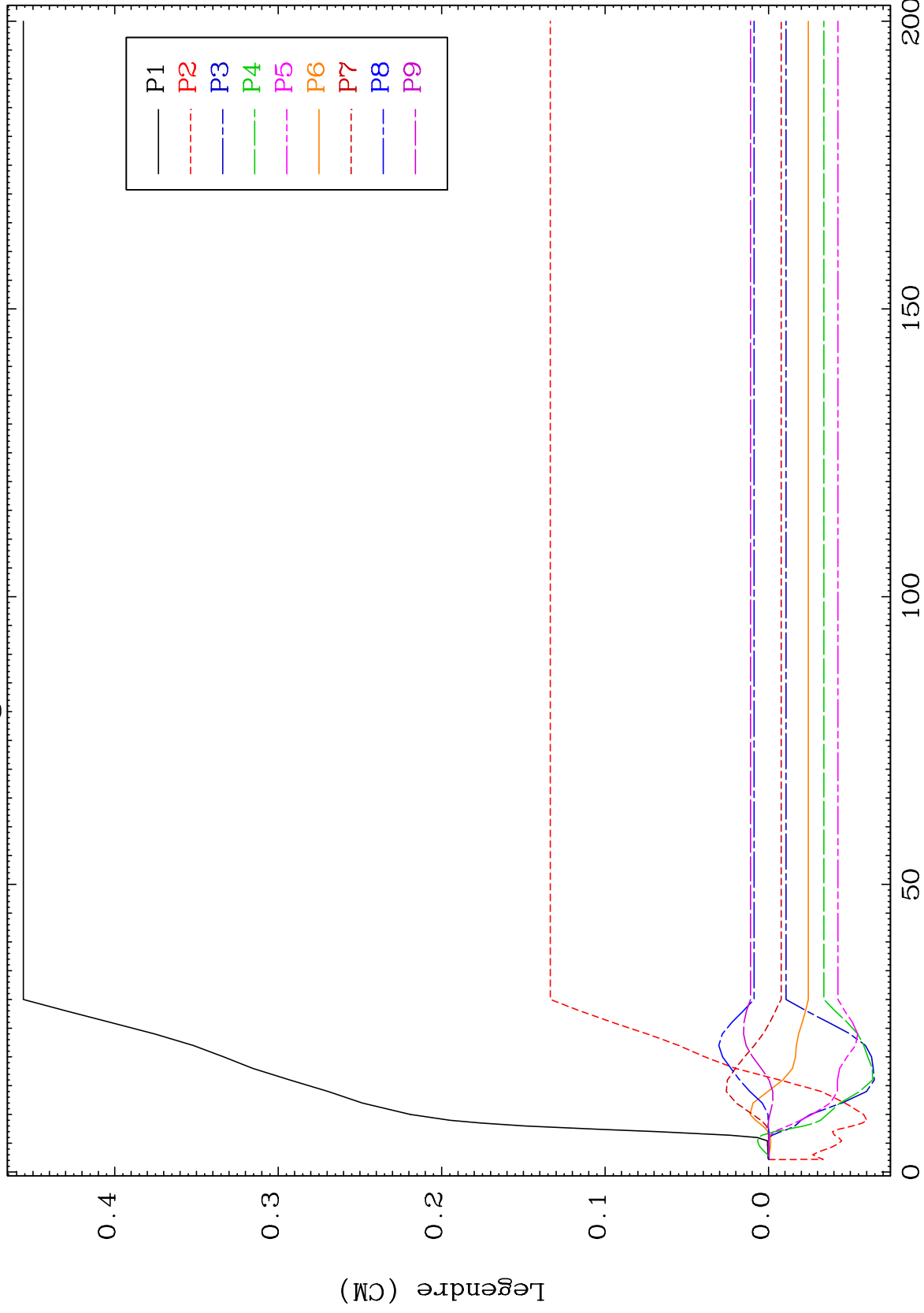




MAT 4867

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

48-Cd-120



57

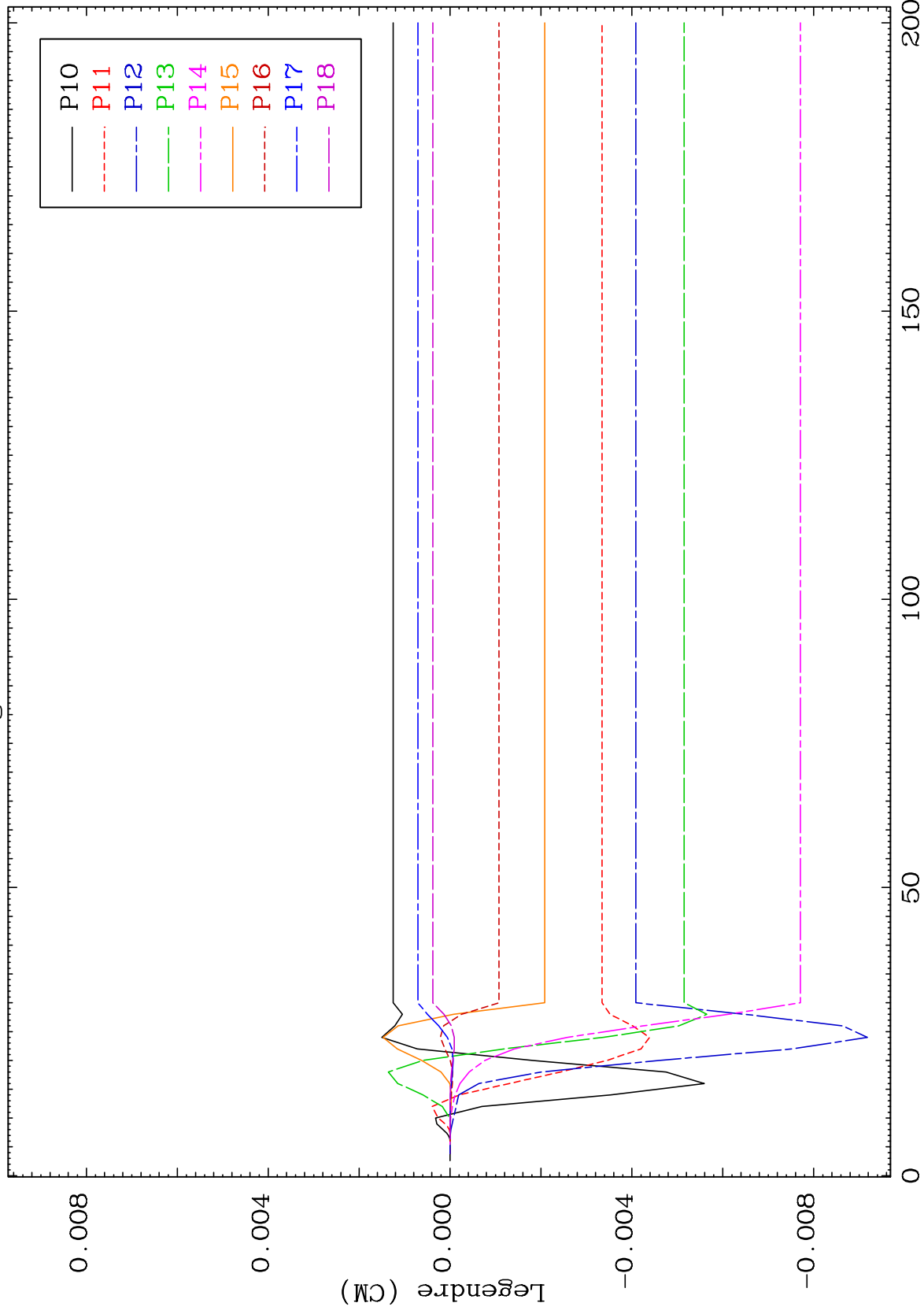
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



58

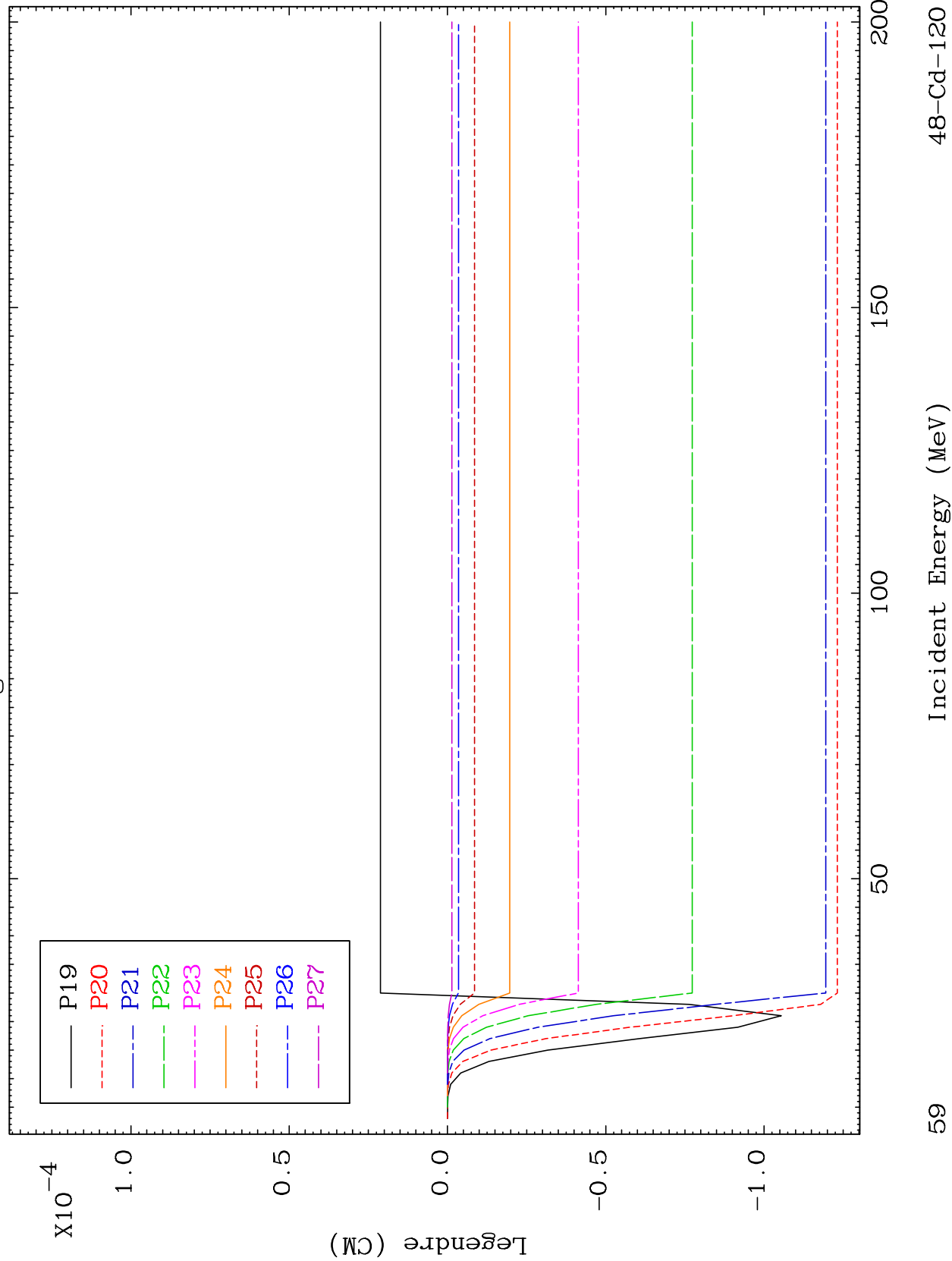
Incident Energy (MeV)

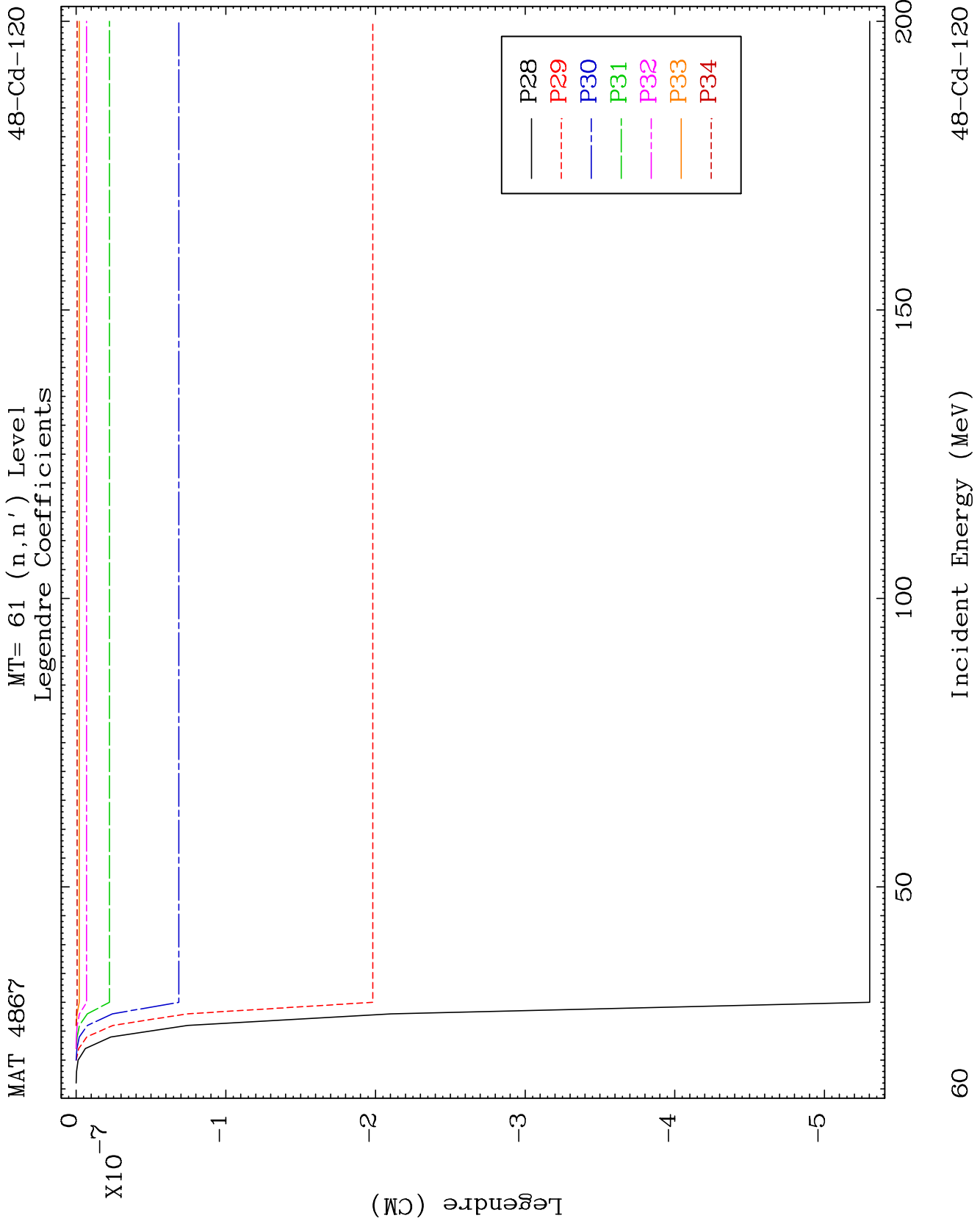
48-Cd-120

MAT 4867

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

48-Cd-120

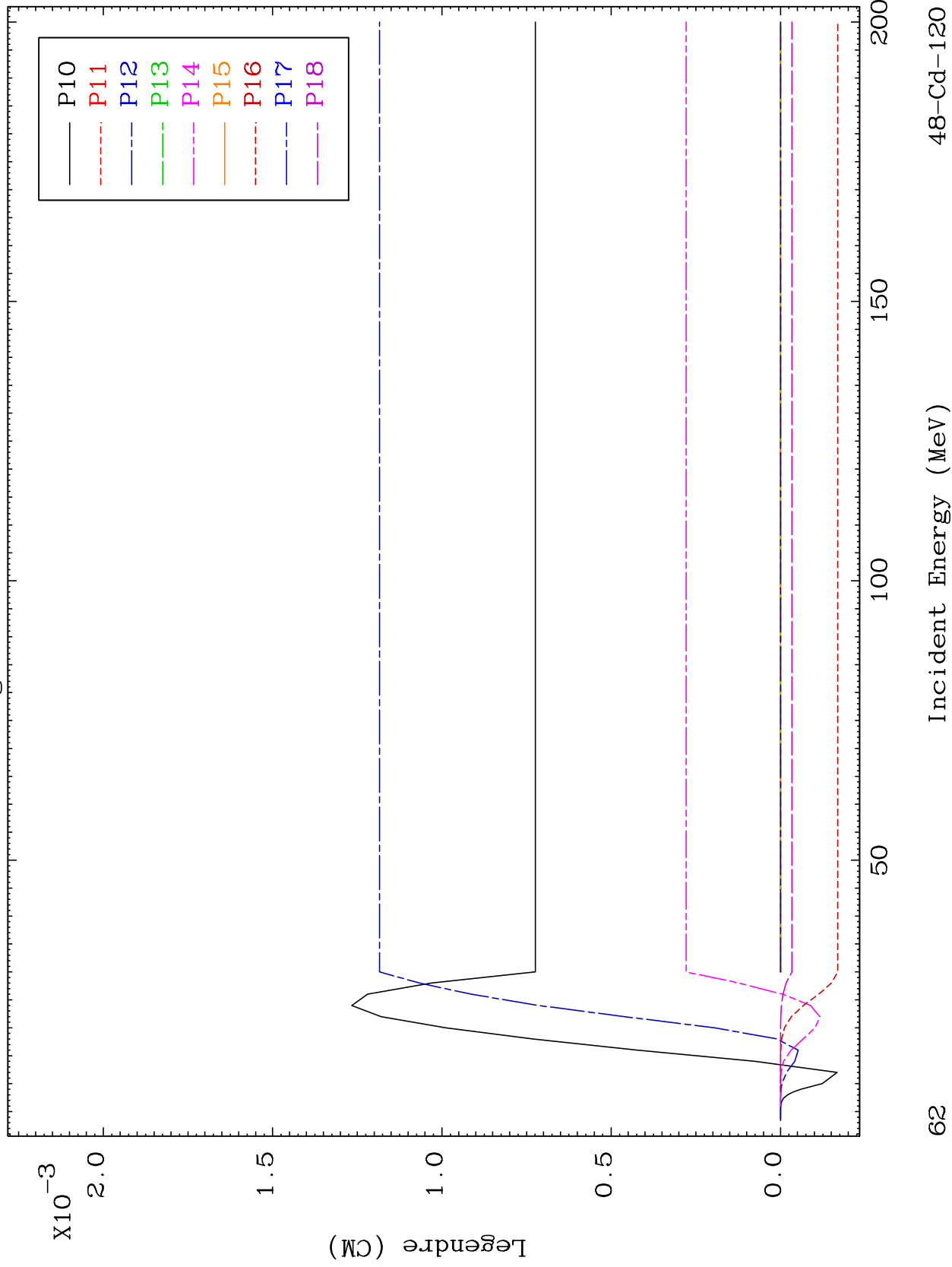




MAT 4867

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

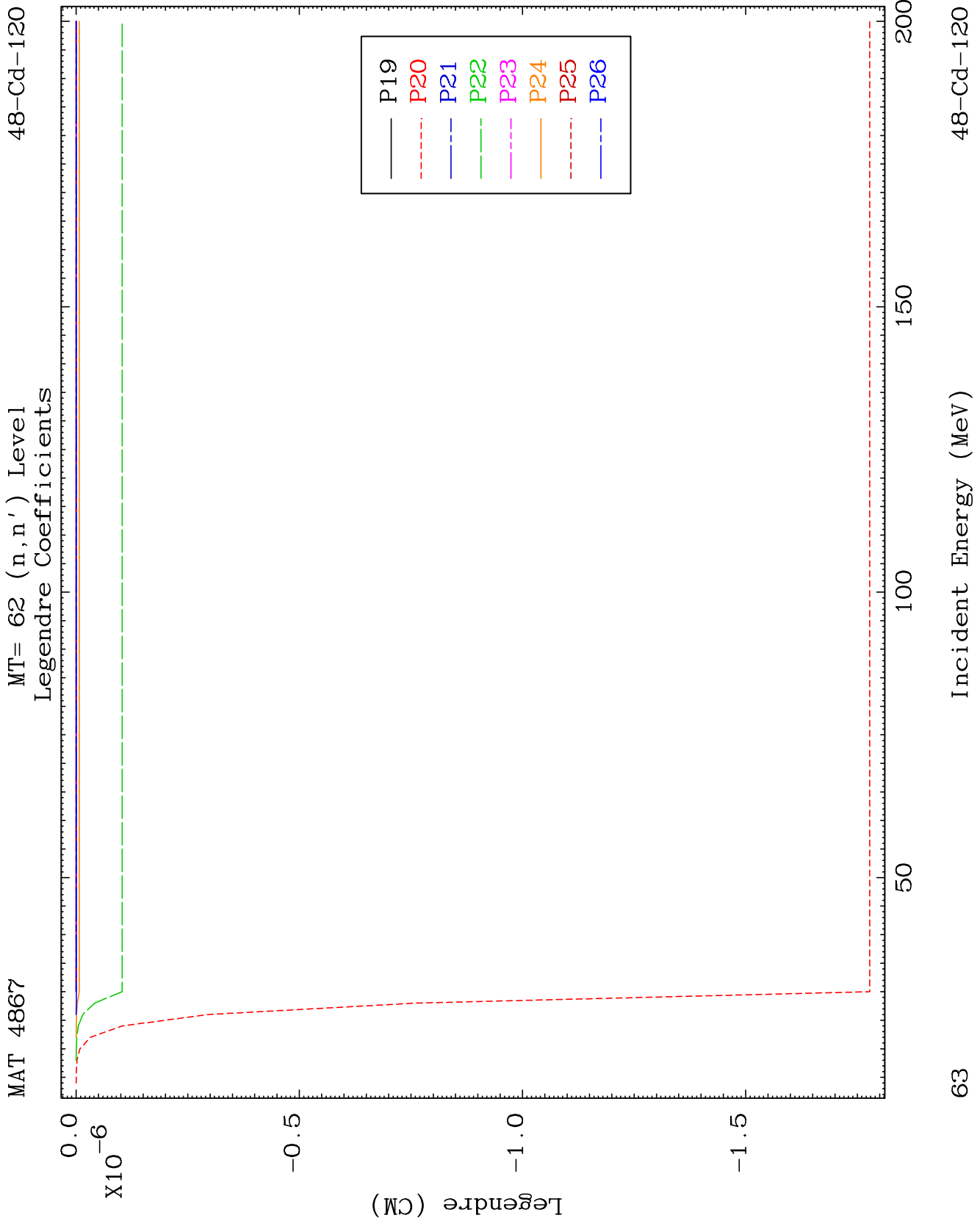
48-Cd-120



62

Incident Energy (MeV)

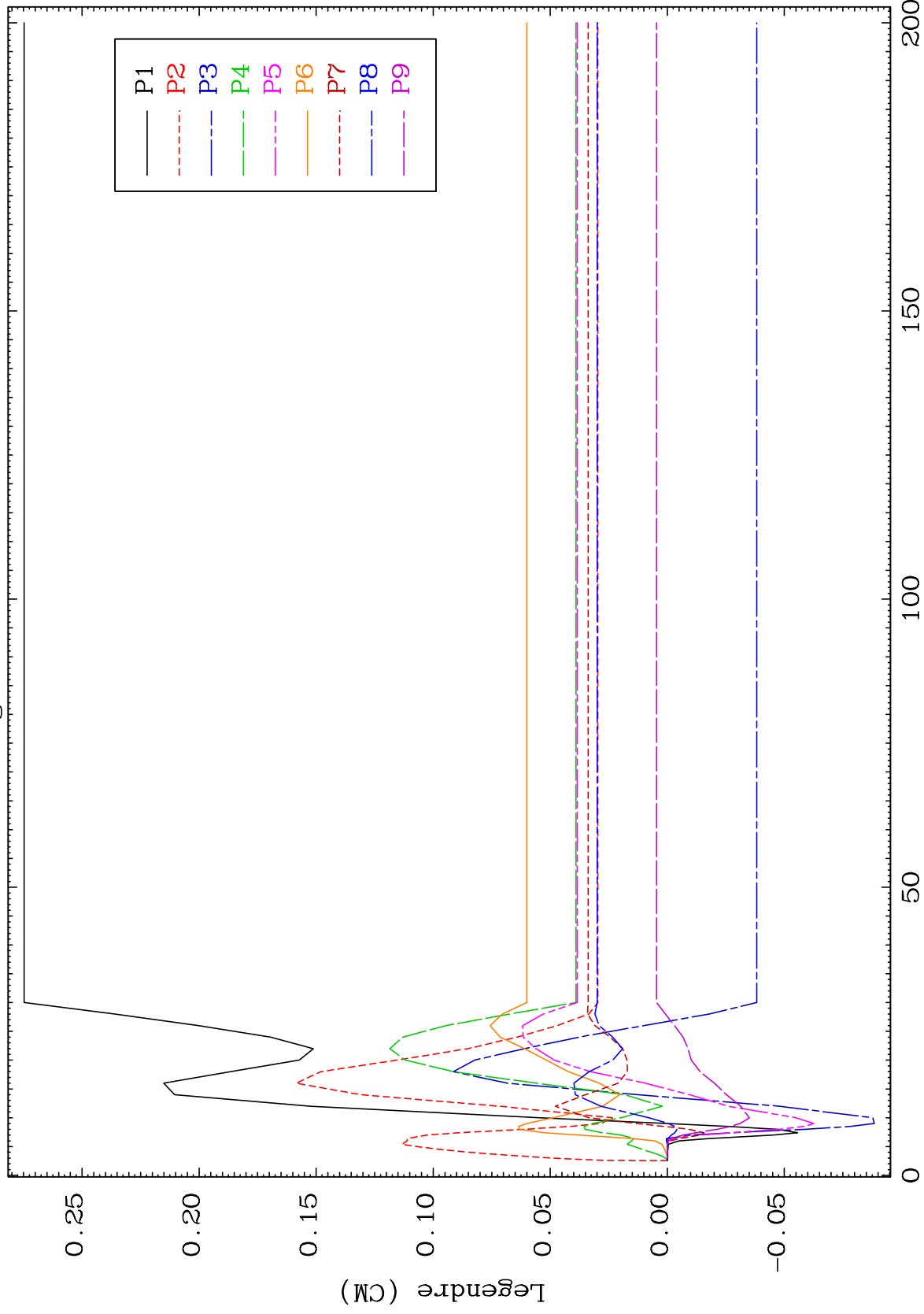
48-Cd-120



MAT 4867

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

48-Cd-120



64

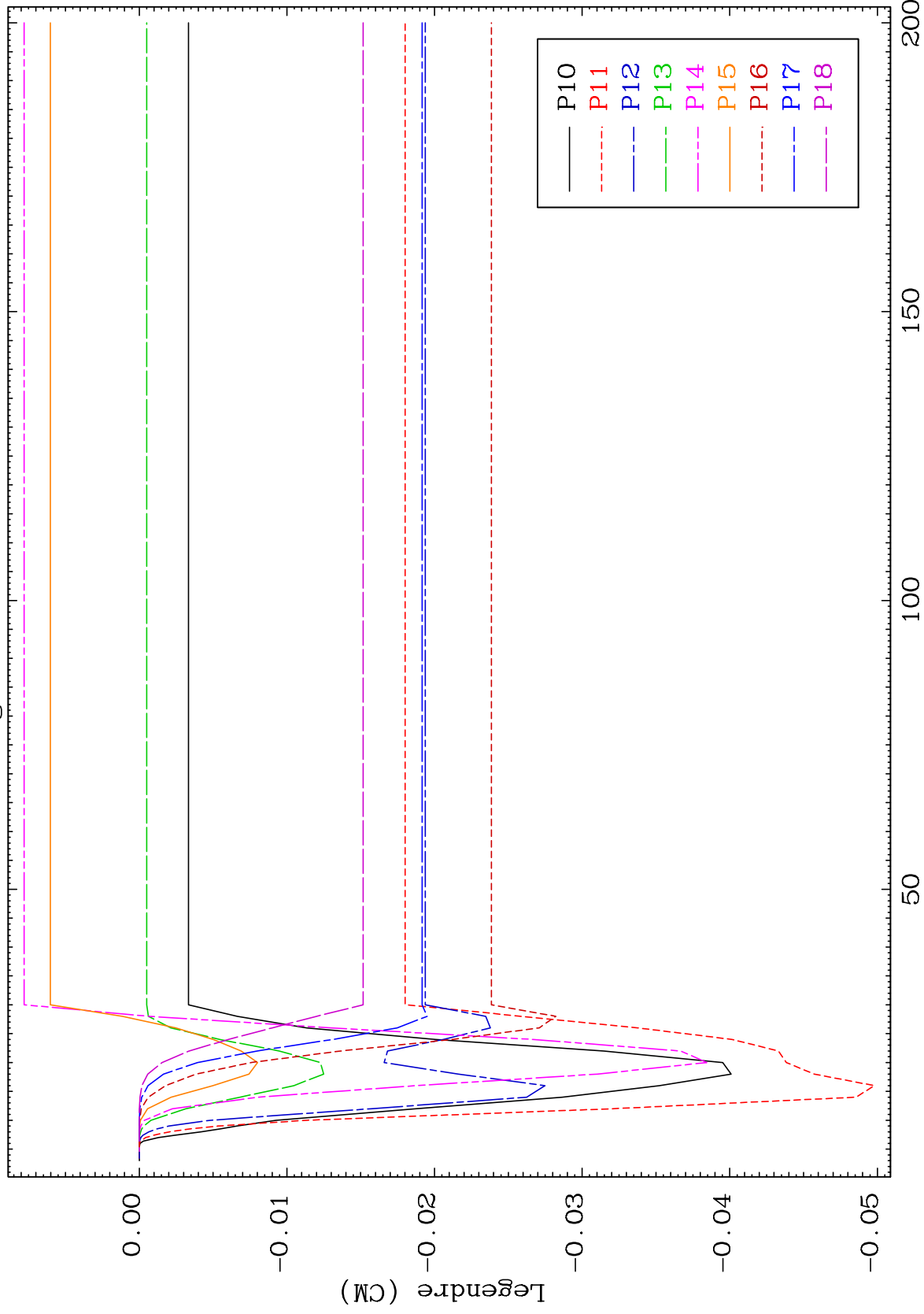
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



65

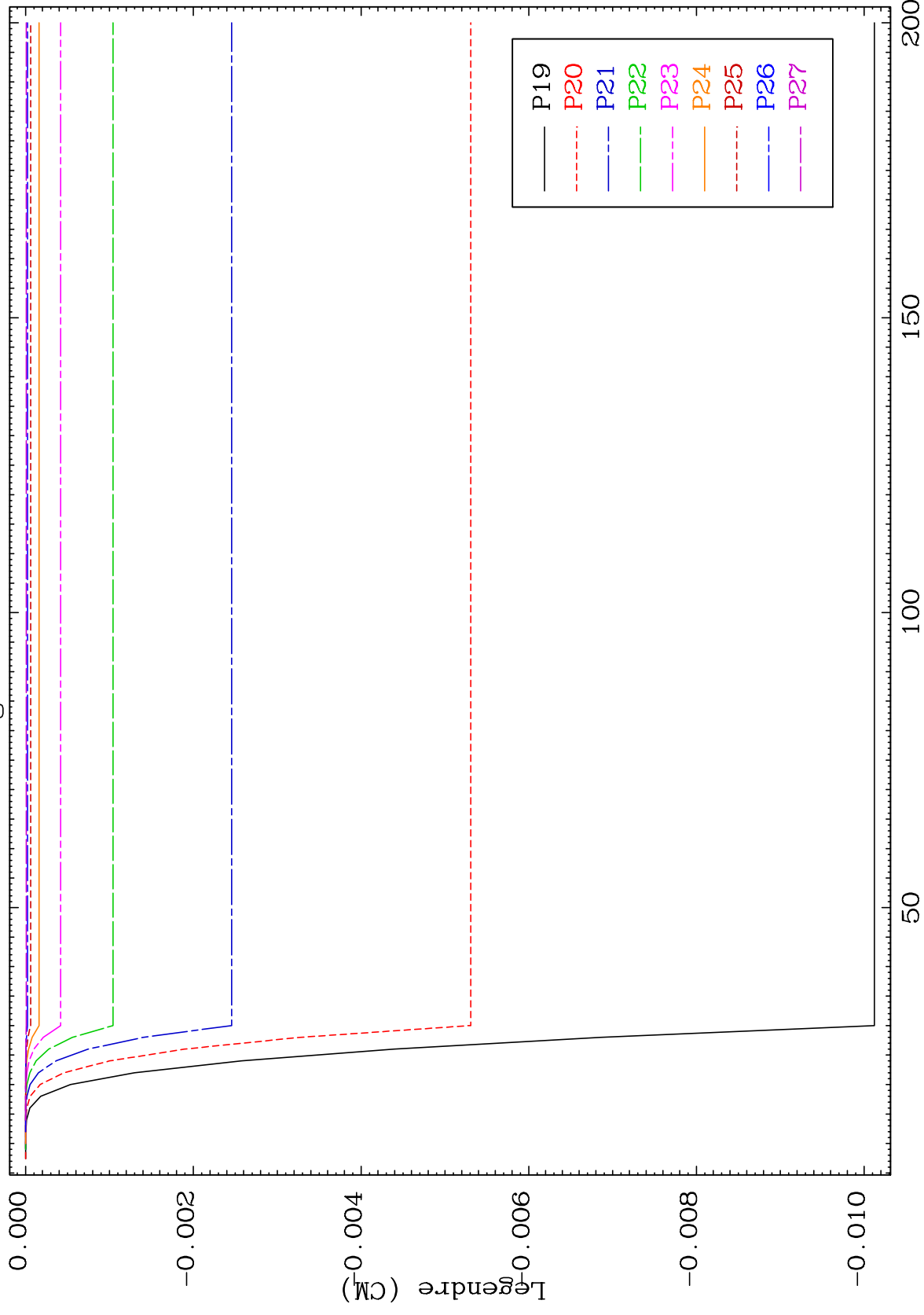
Incident Energy (MeV)

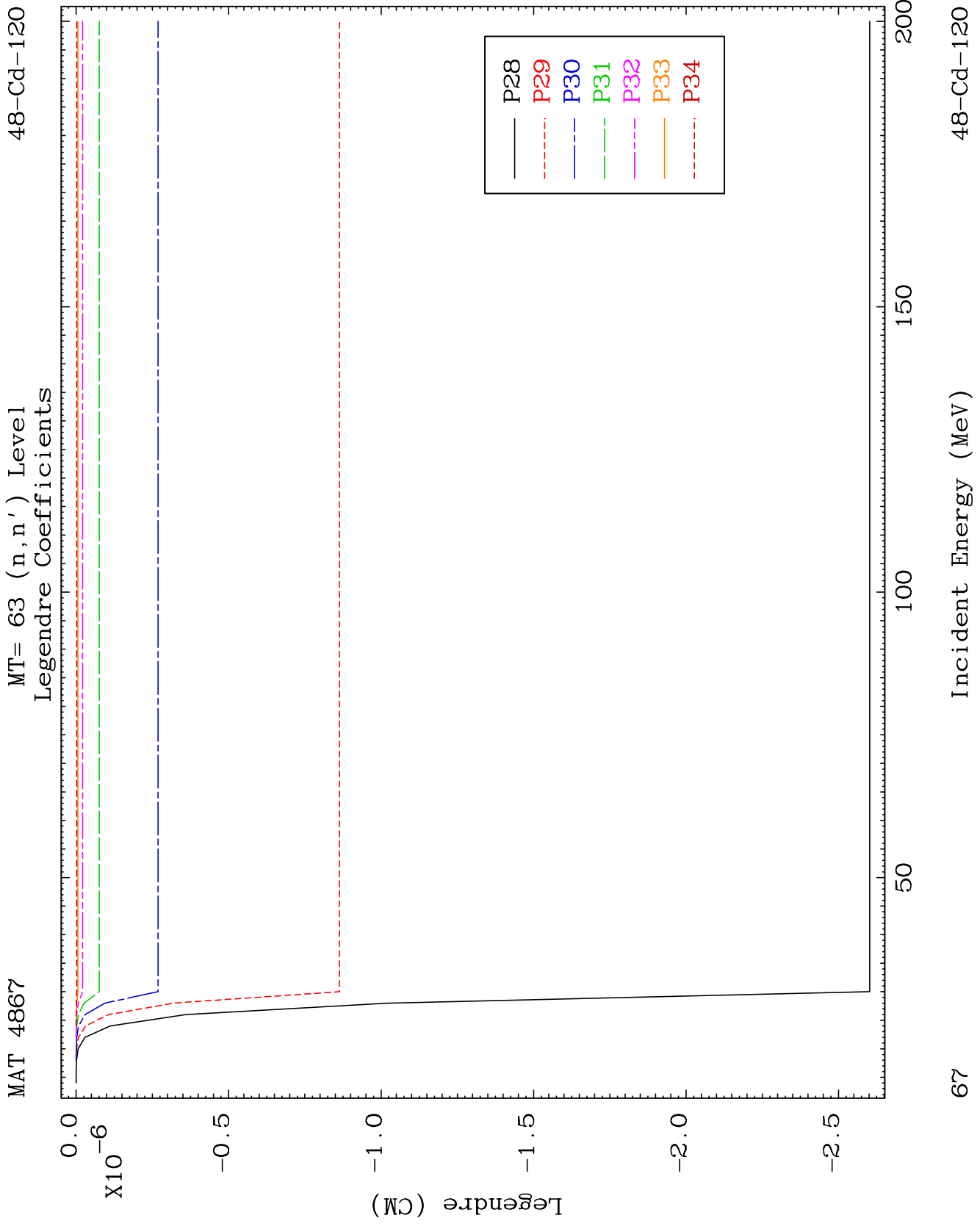
48-Cd-120

MAT 4867

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

48-Cd-120

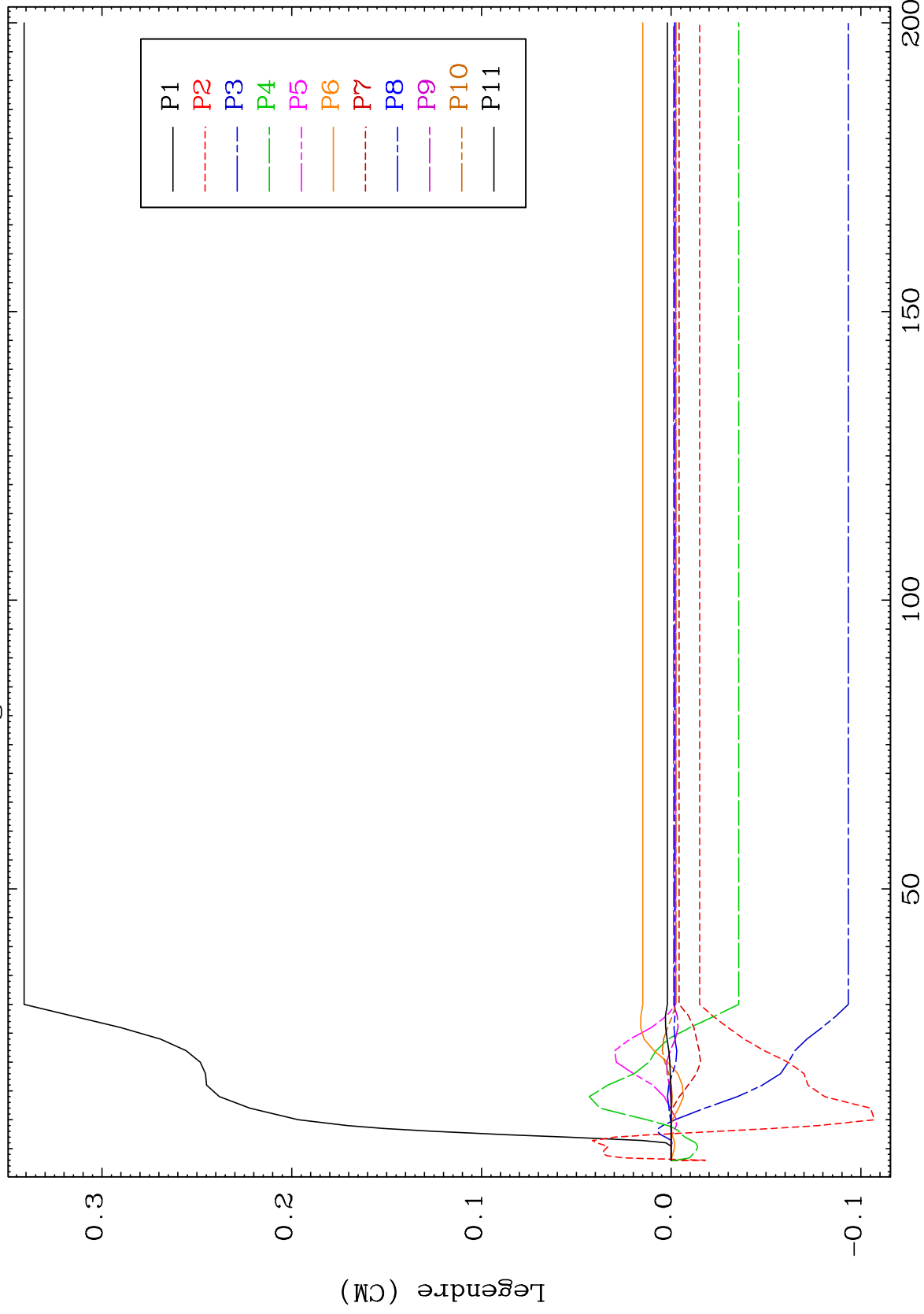




MAT 4867

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

48-Cd-120



68

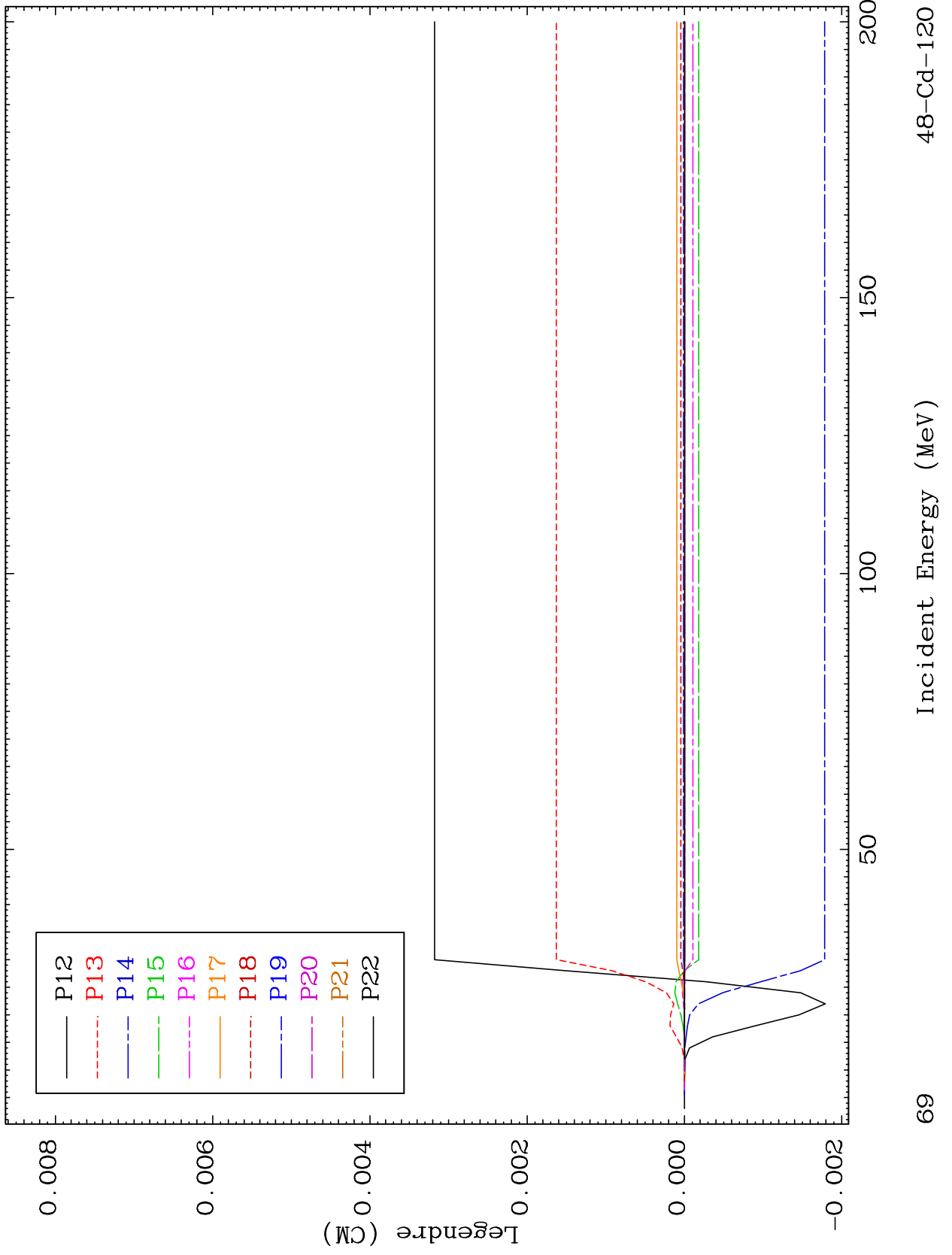
Incident Energy (MeV)

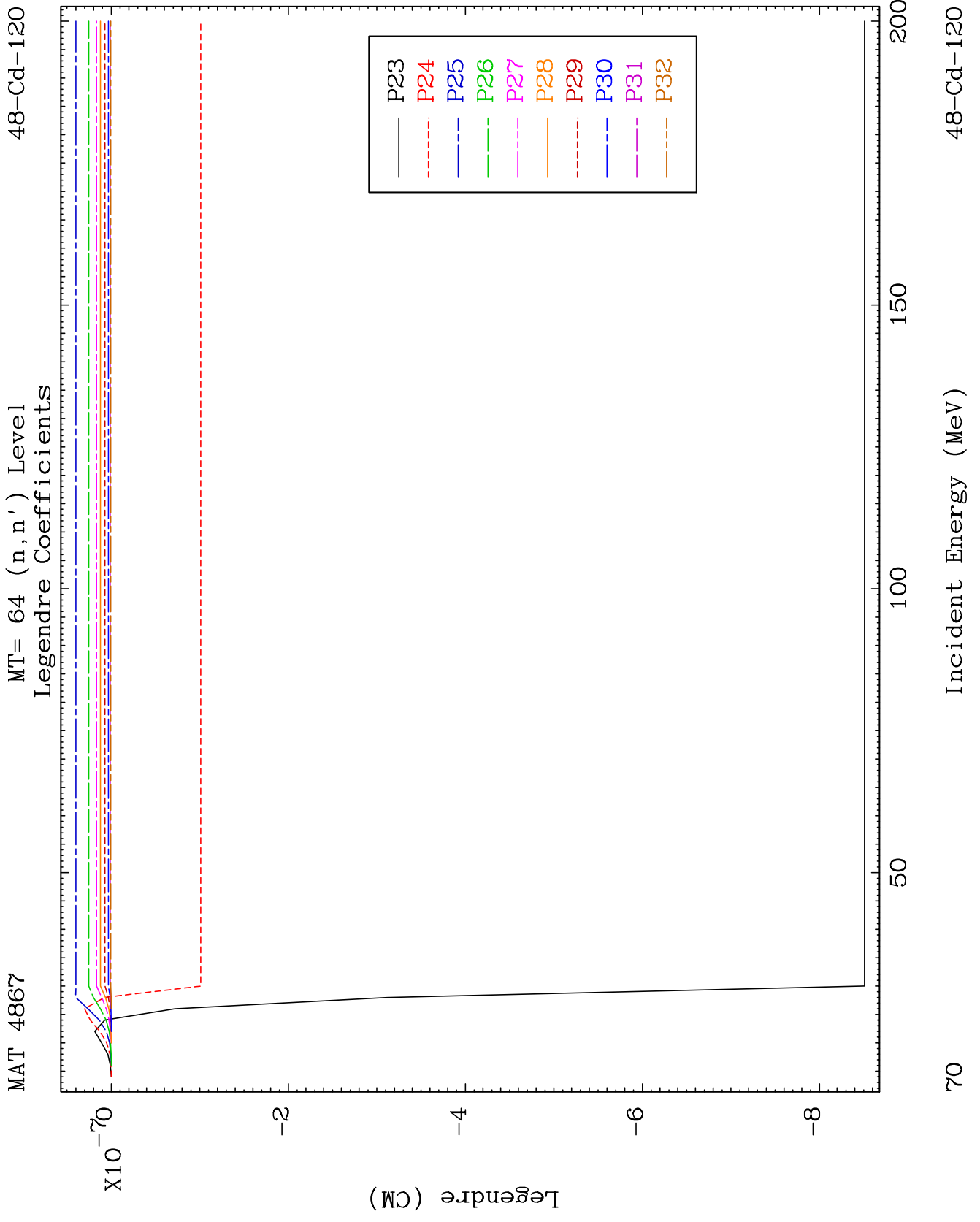
48-Cd-120

MAT 4867

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

48-Cd-120

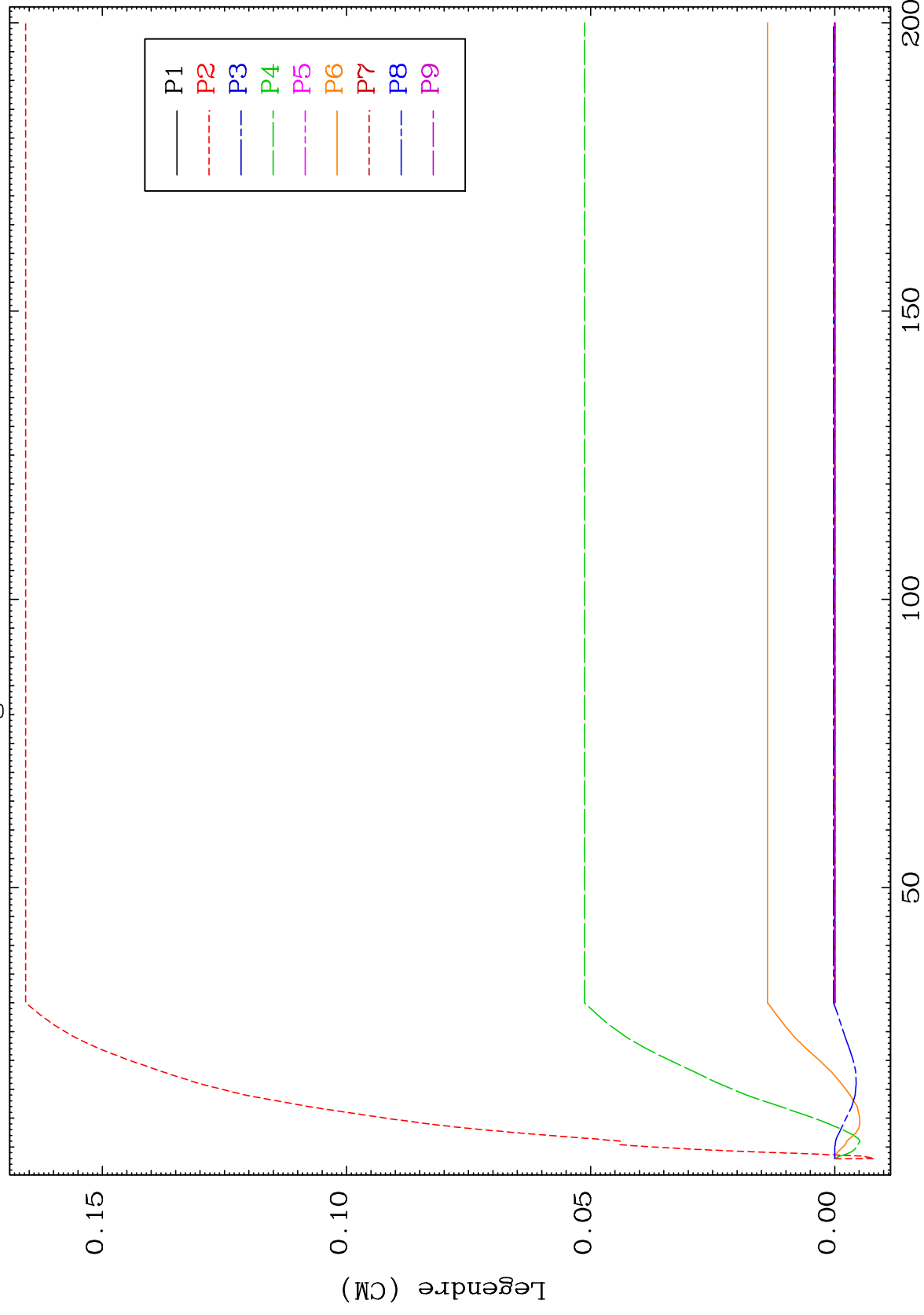




MAT 4867

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

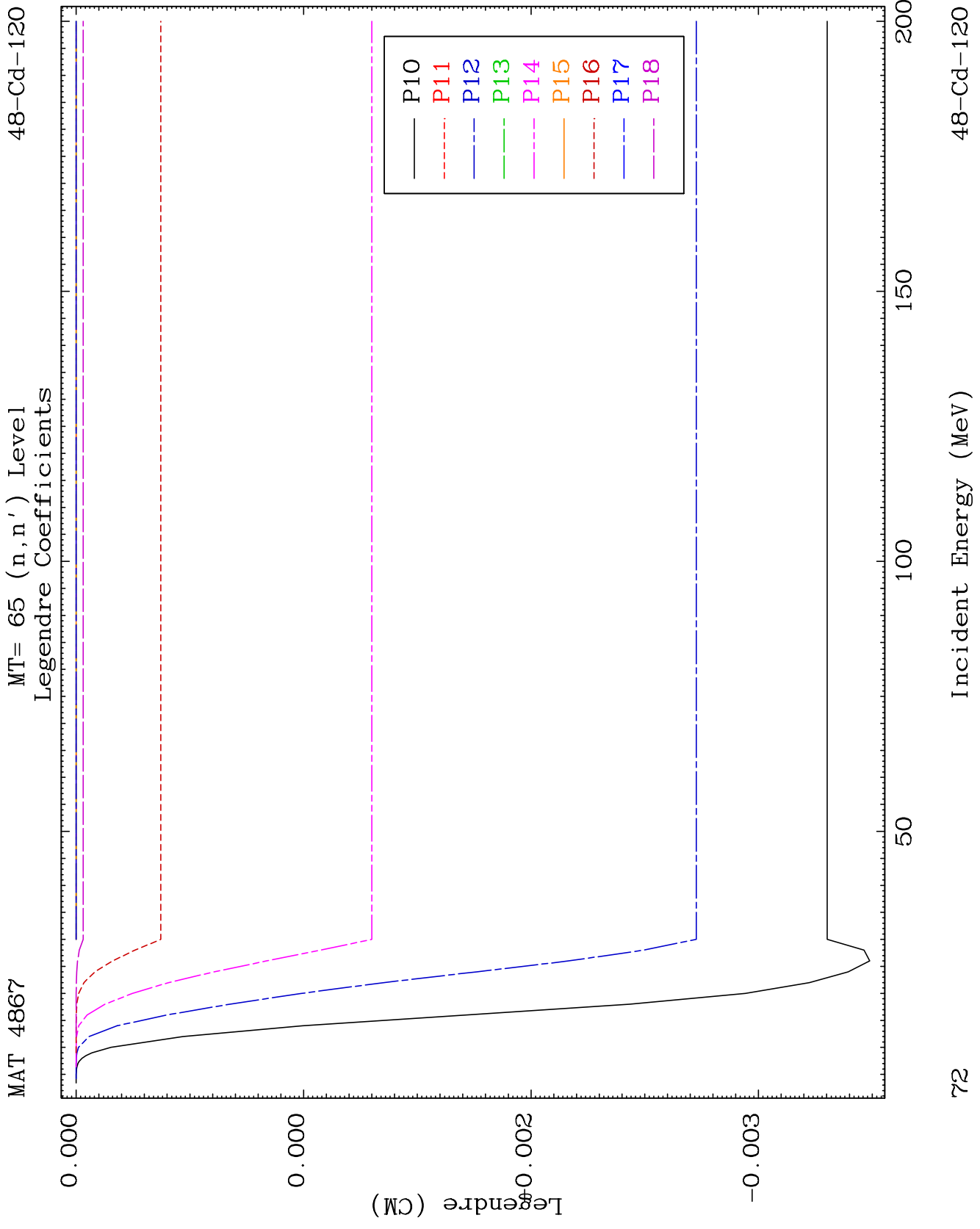
48-Cd-120

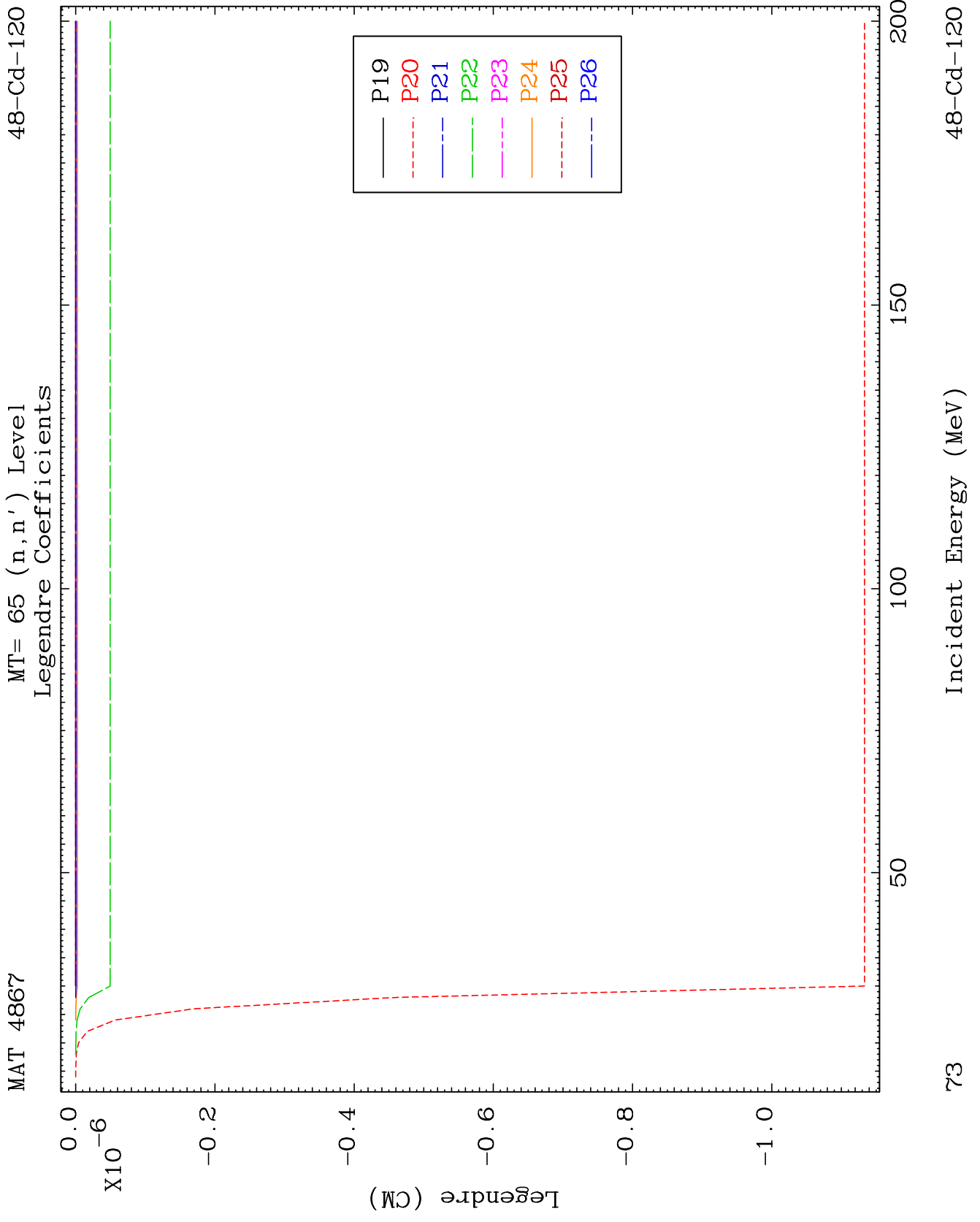


71

Incident Energy (MeV)

48-Cd-120

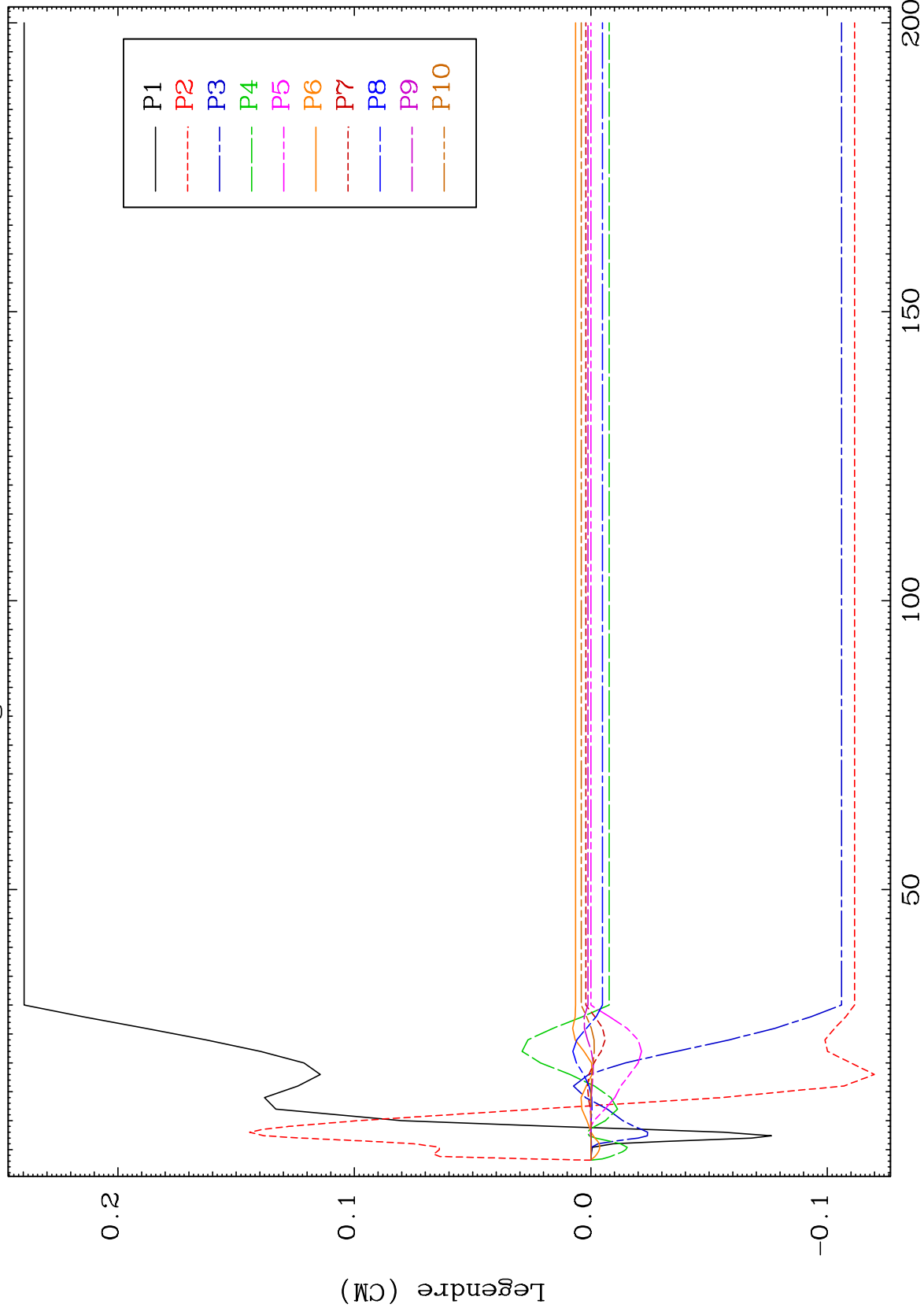




MAT 4867

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

48-Cd-120



74

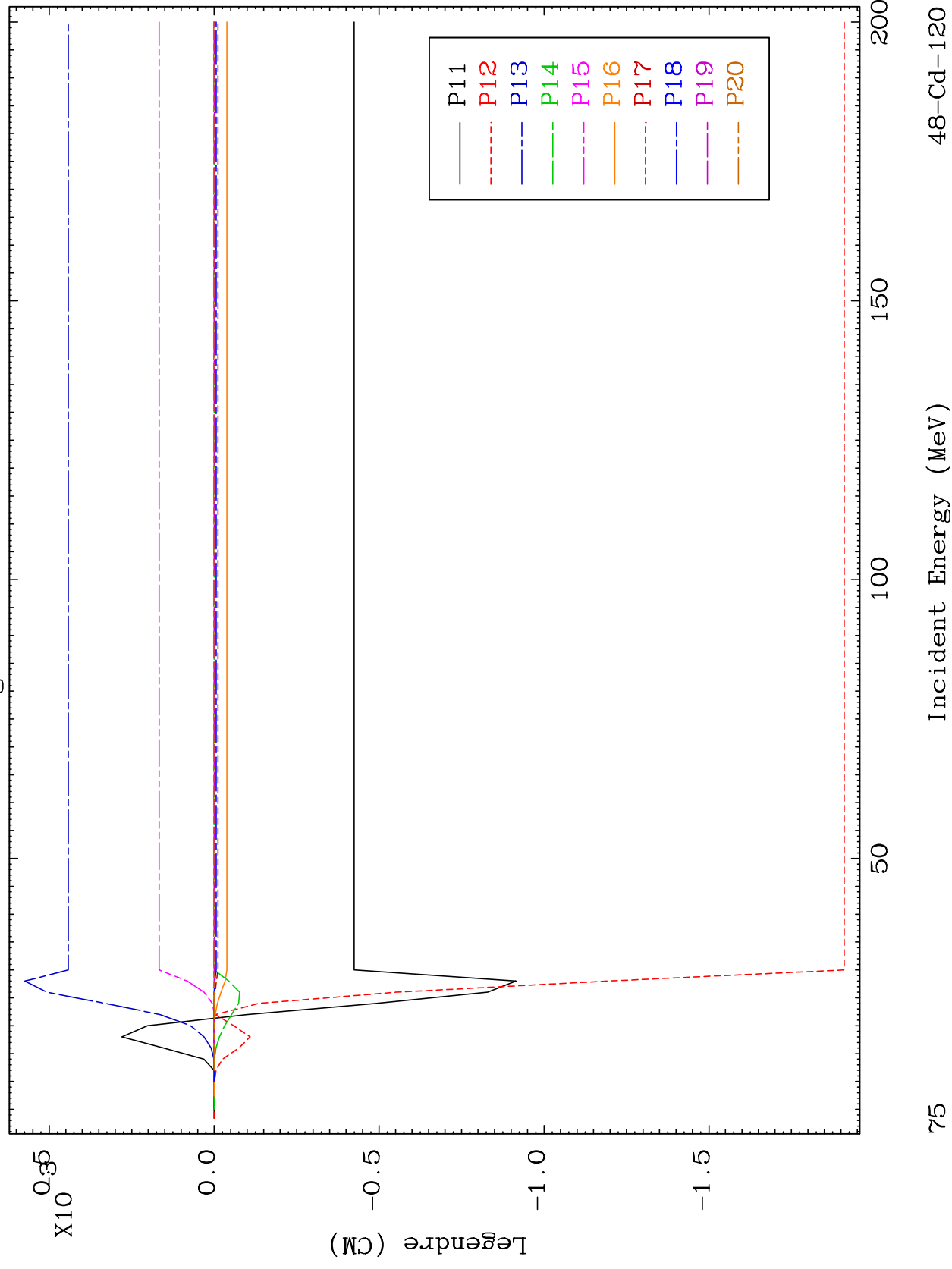
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



75

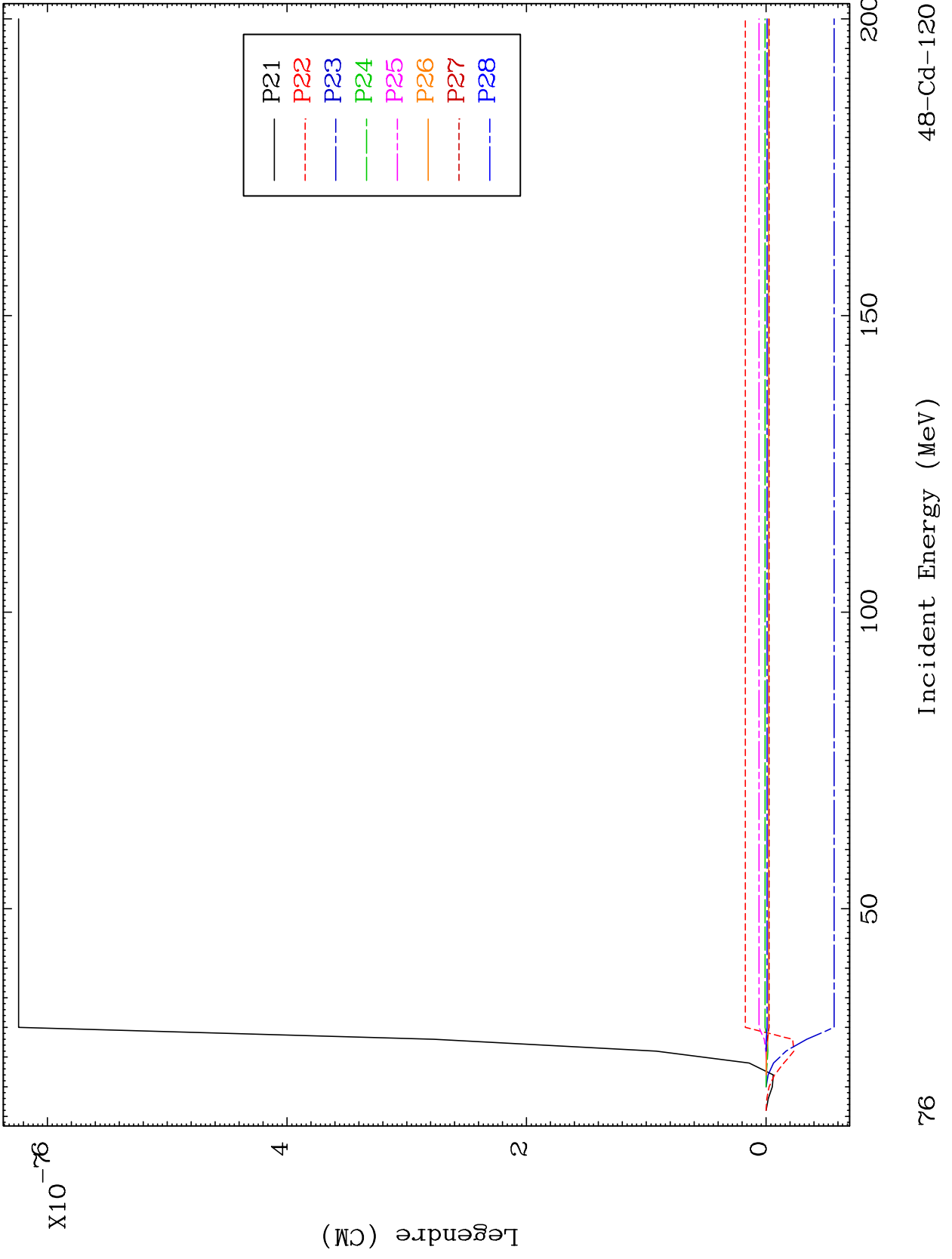
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

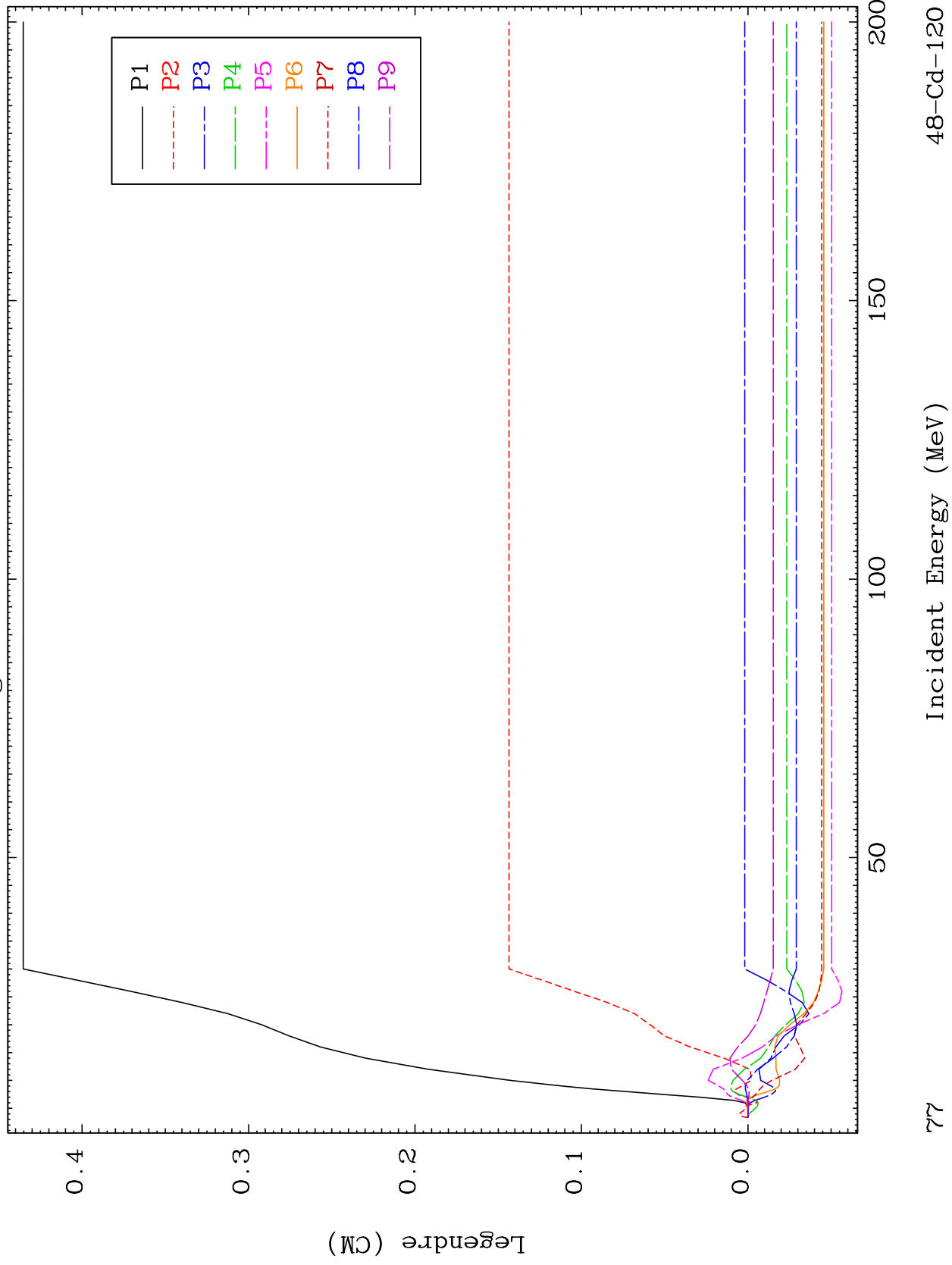
48-Cd-120



MAT 4867

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

48-Cd-120



77

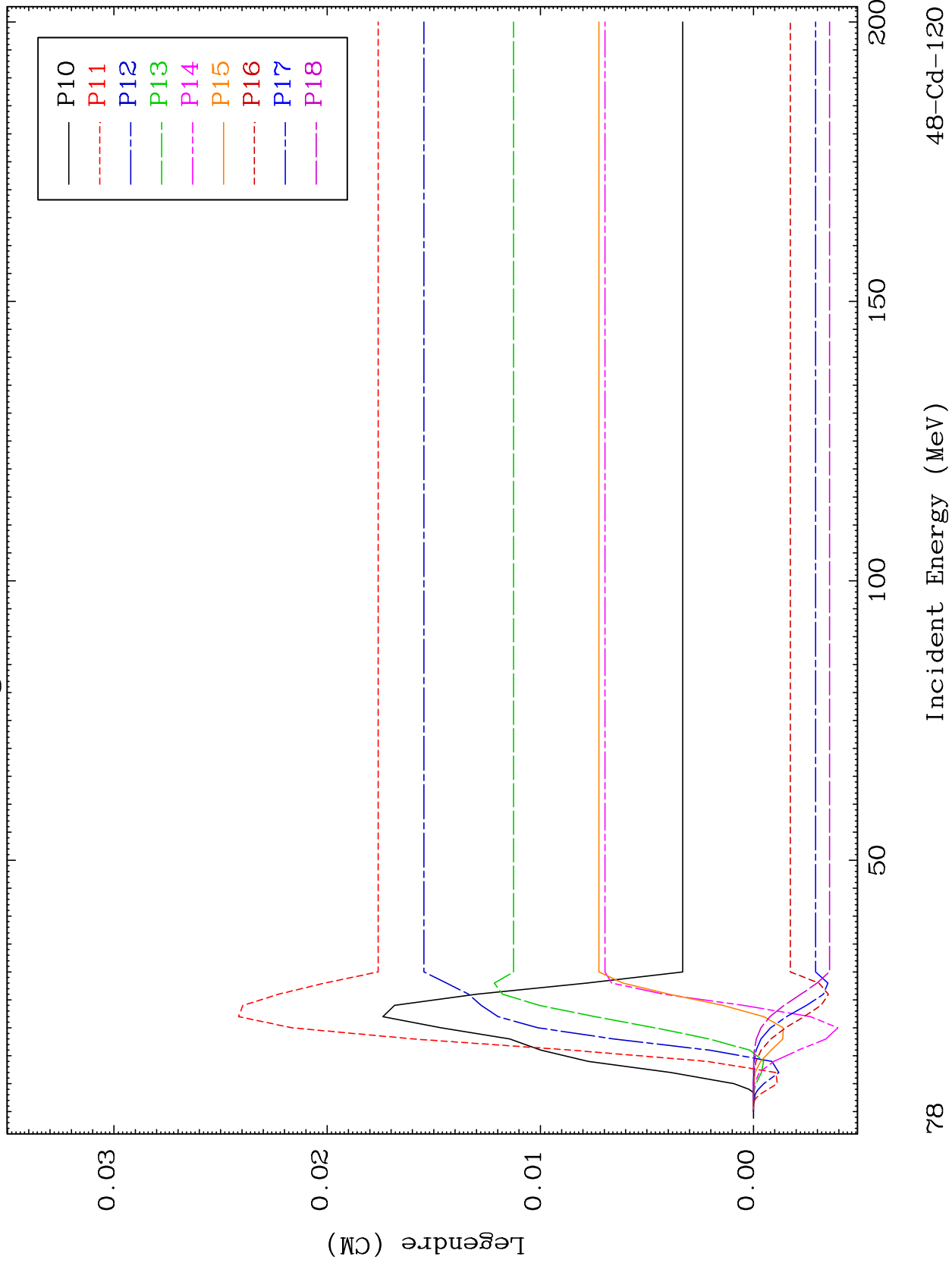
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

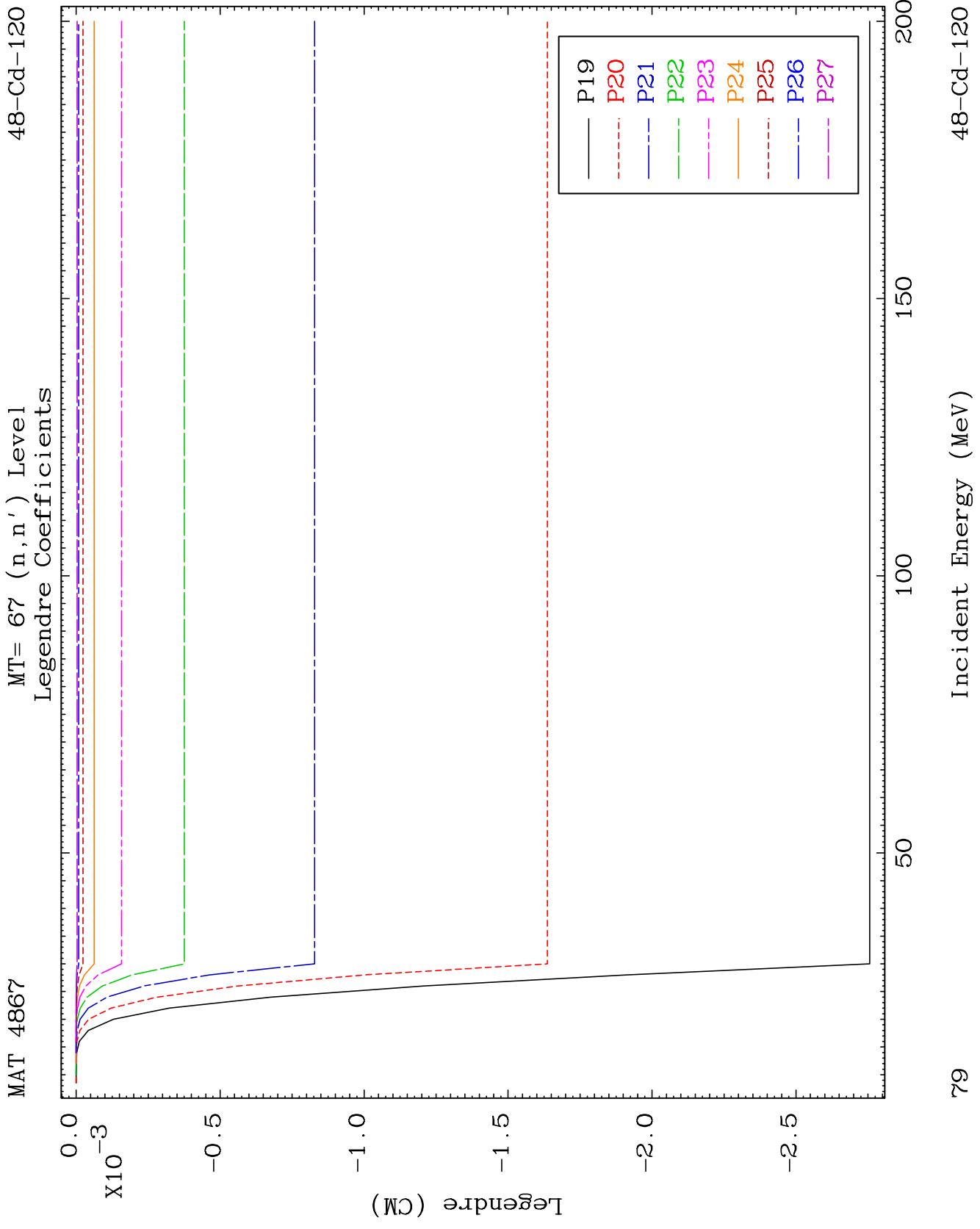
48-Cd-120

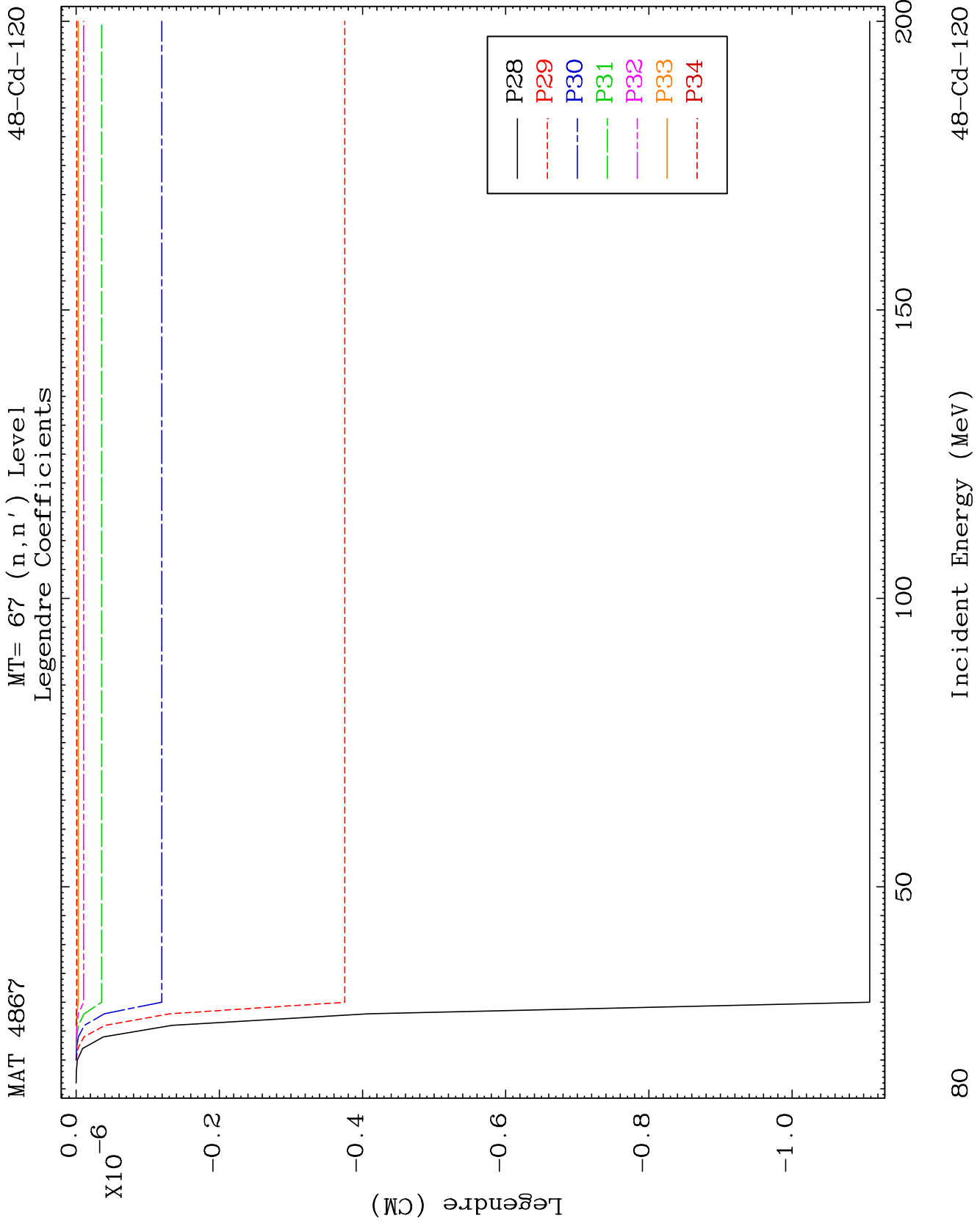


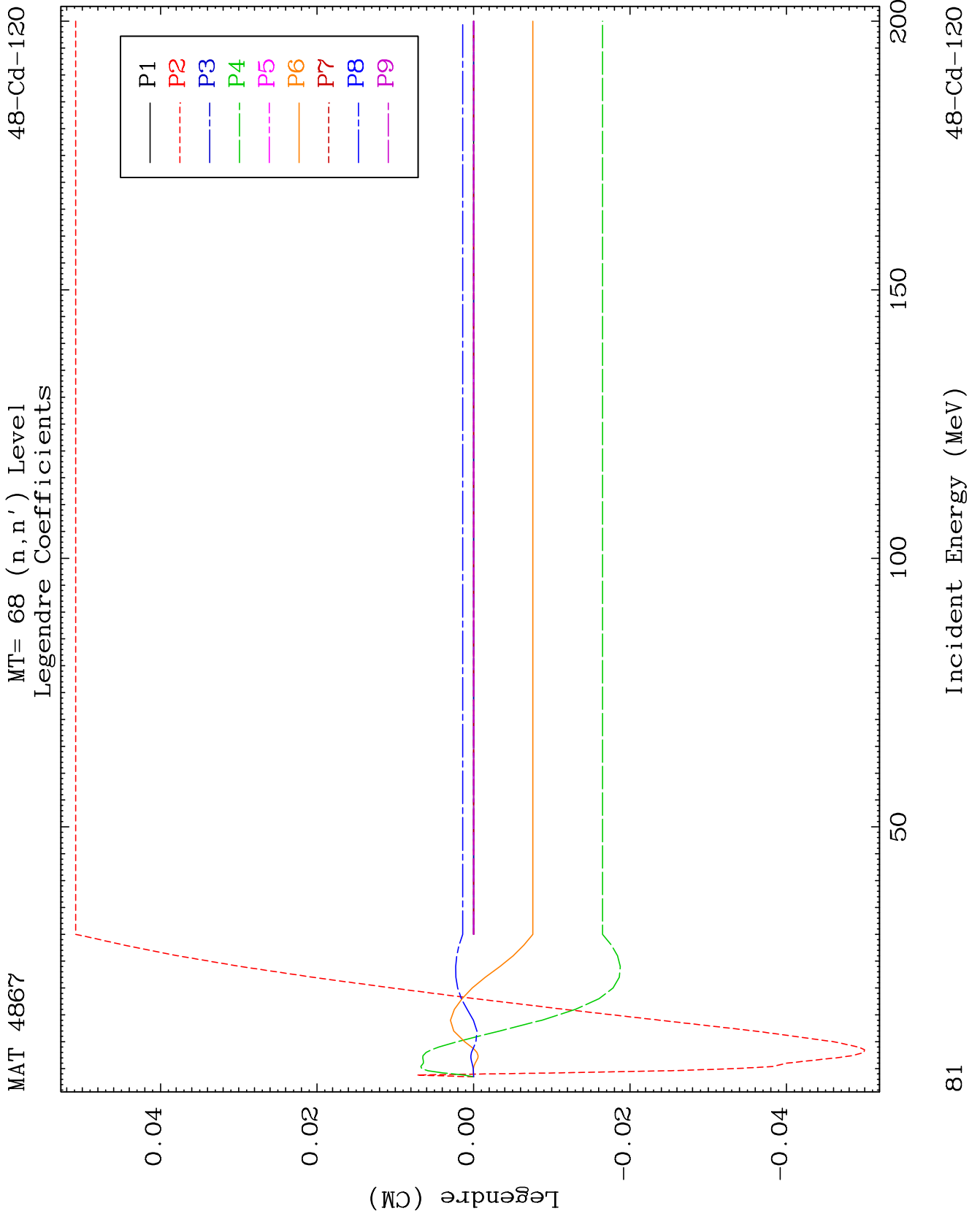
78

Incident Energy (MeV)

48-Cd-120



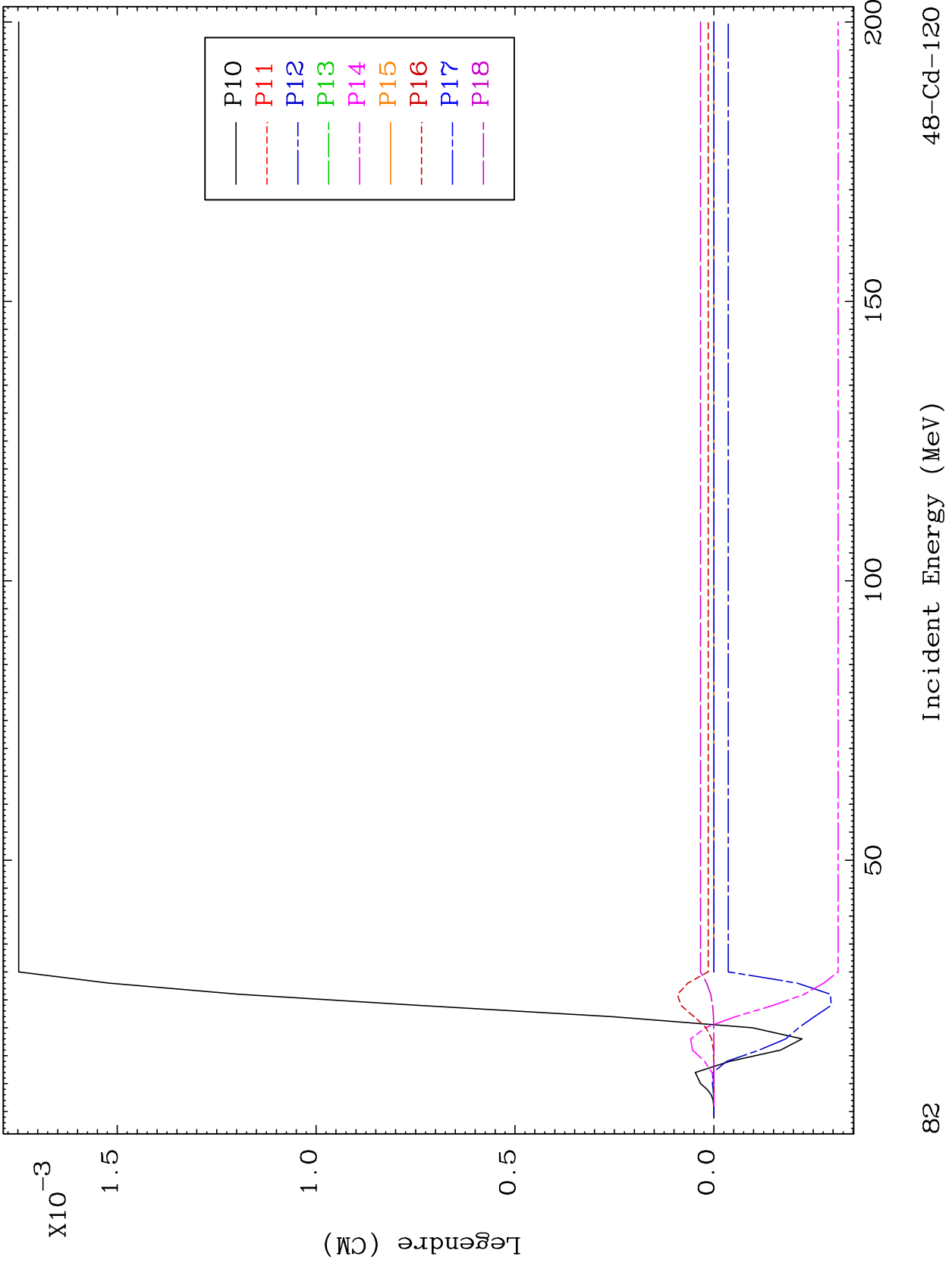


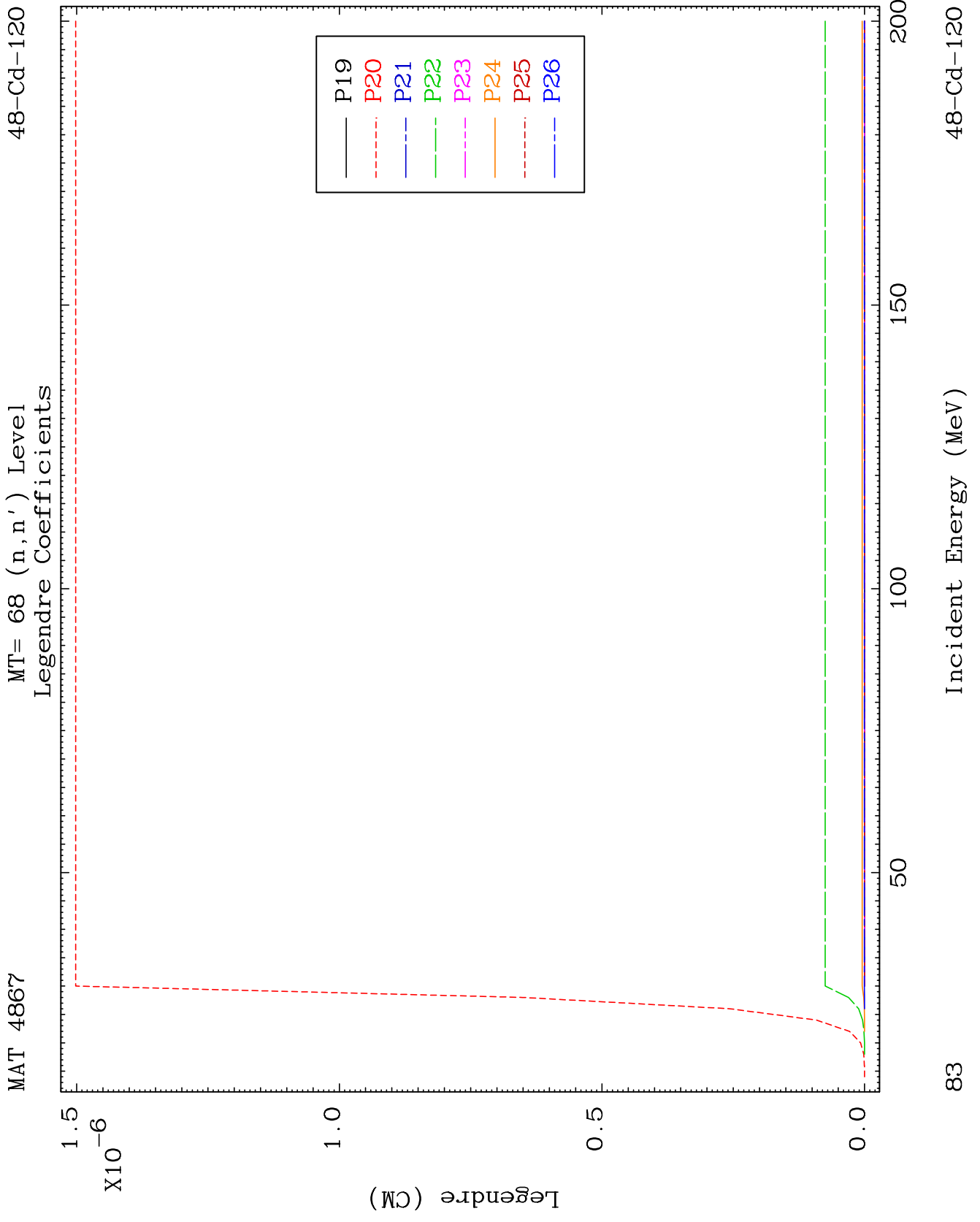


MAT 4867

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

48-Cd-120

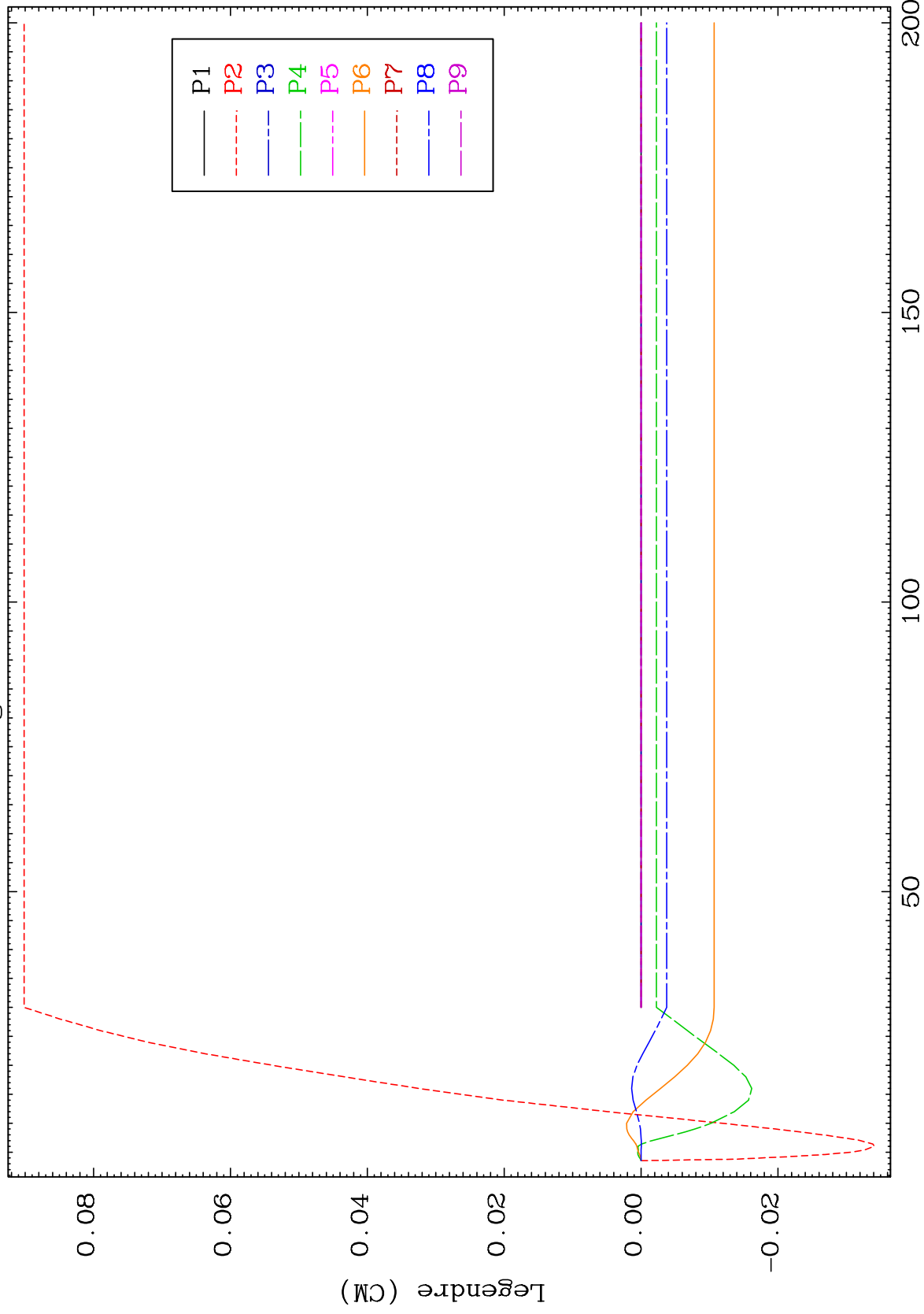




MAT 4867

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

48-Cd-120



84

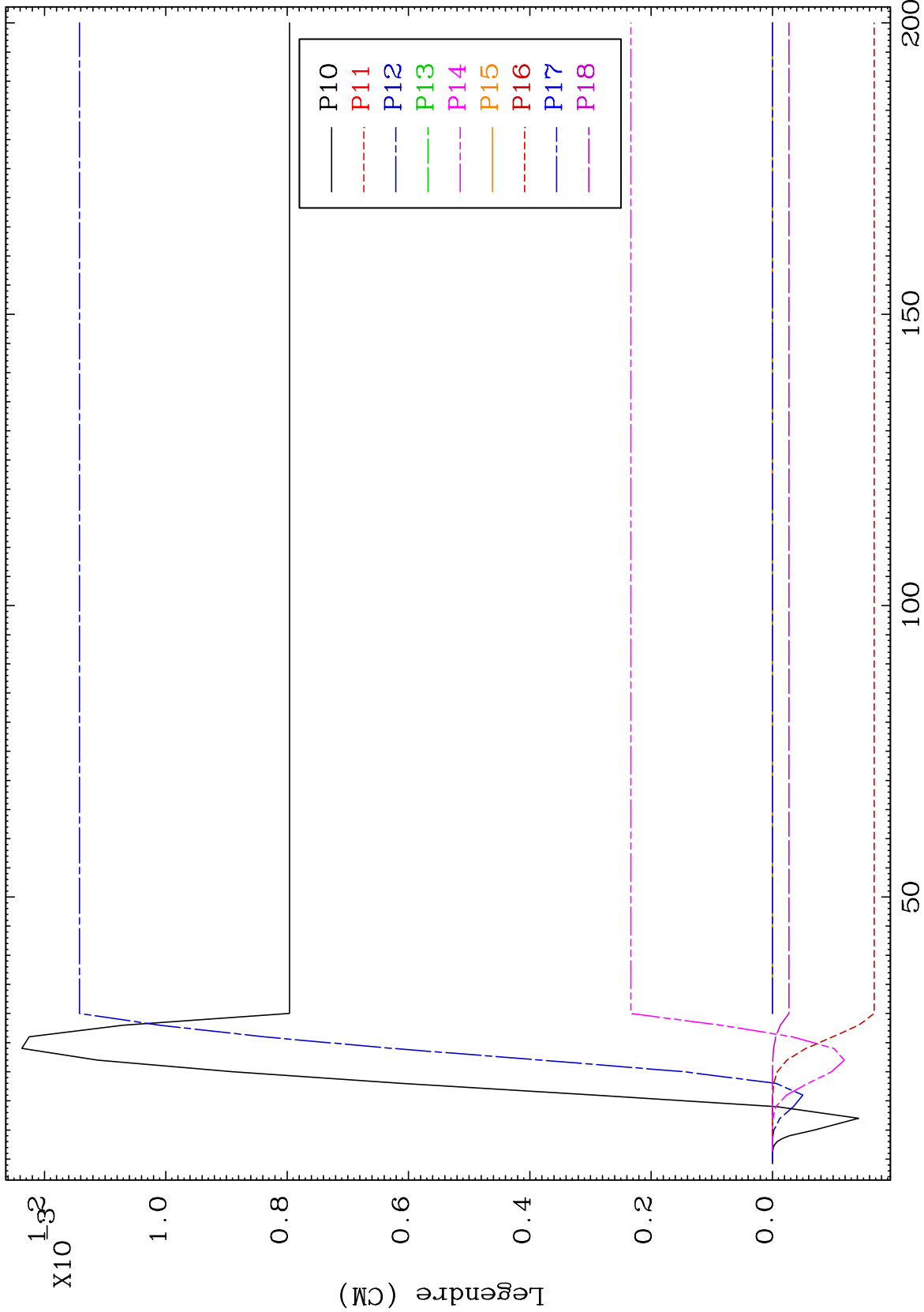
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

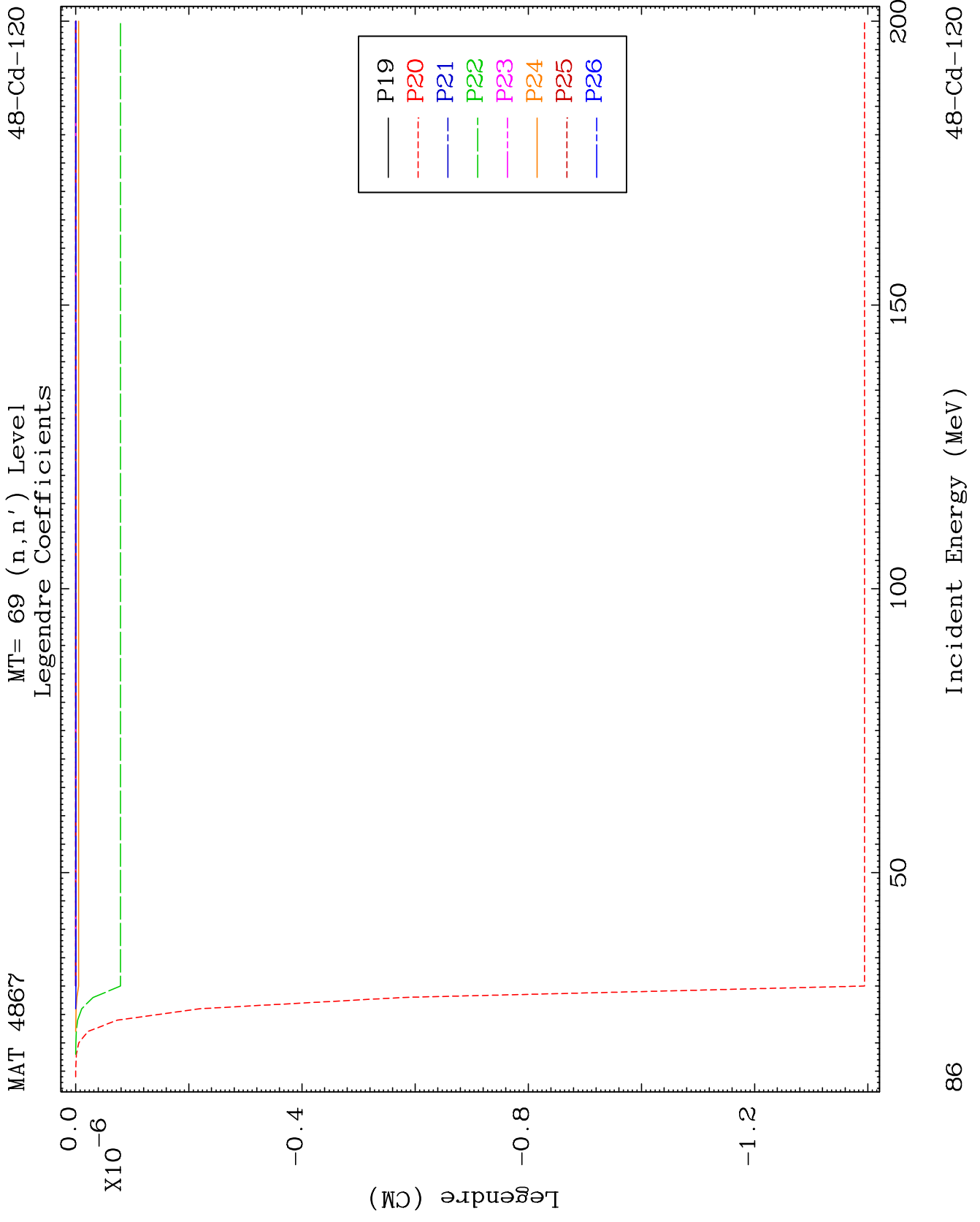
48-Cd-120

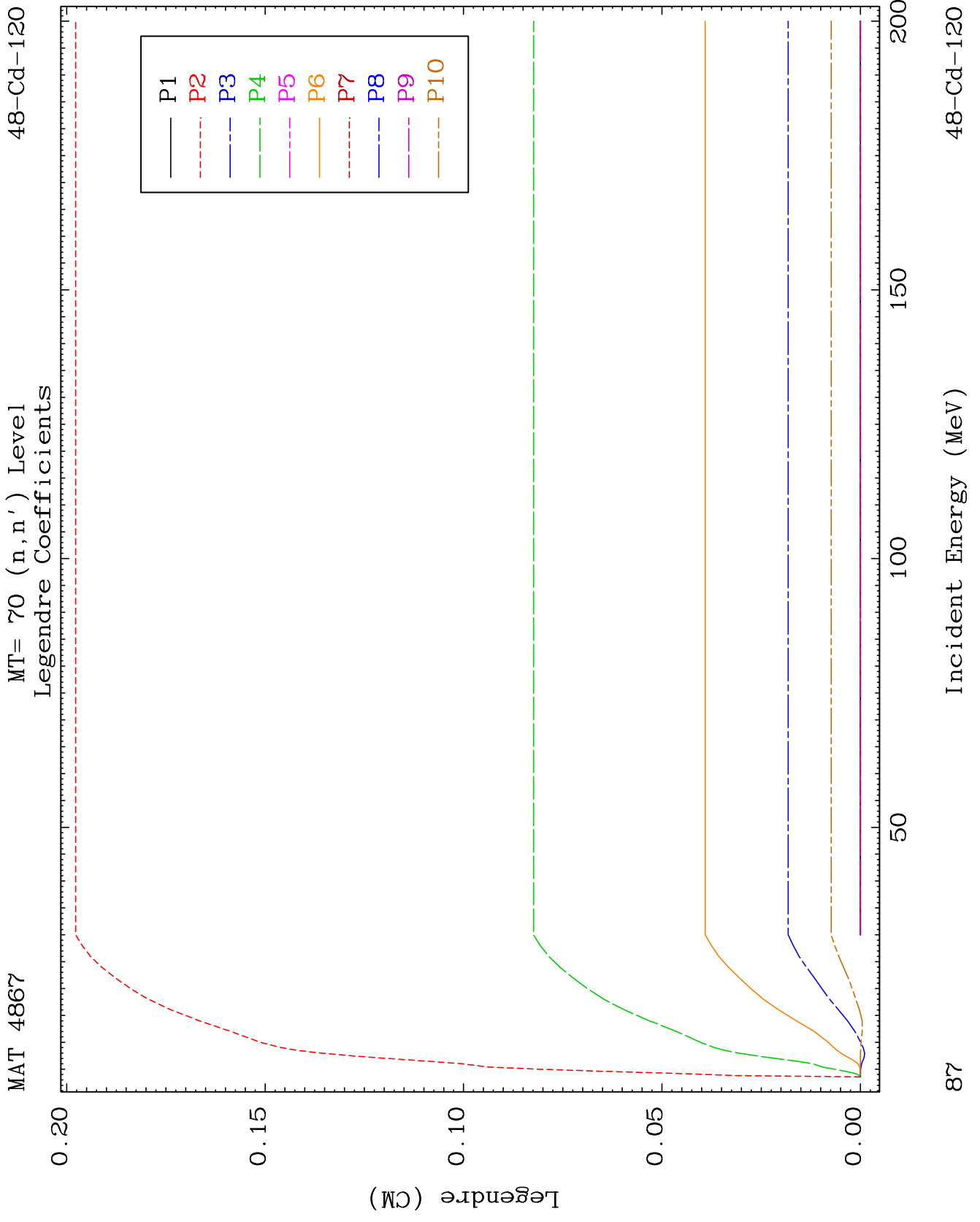


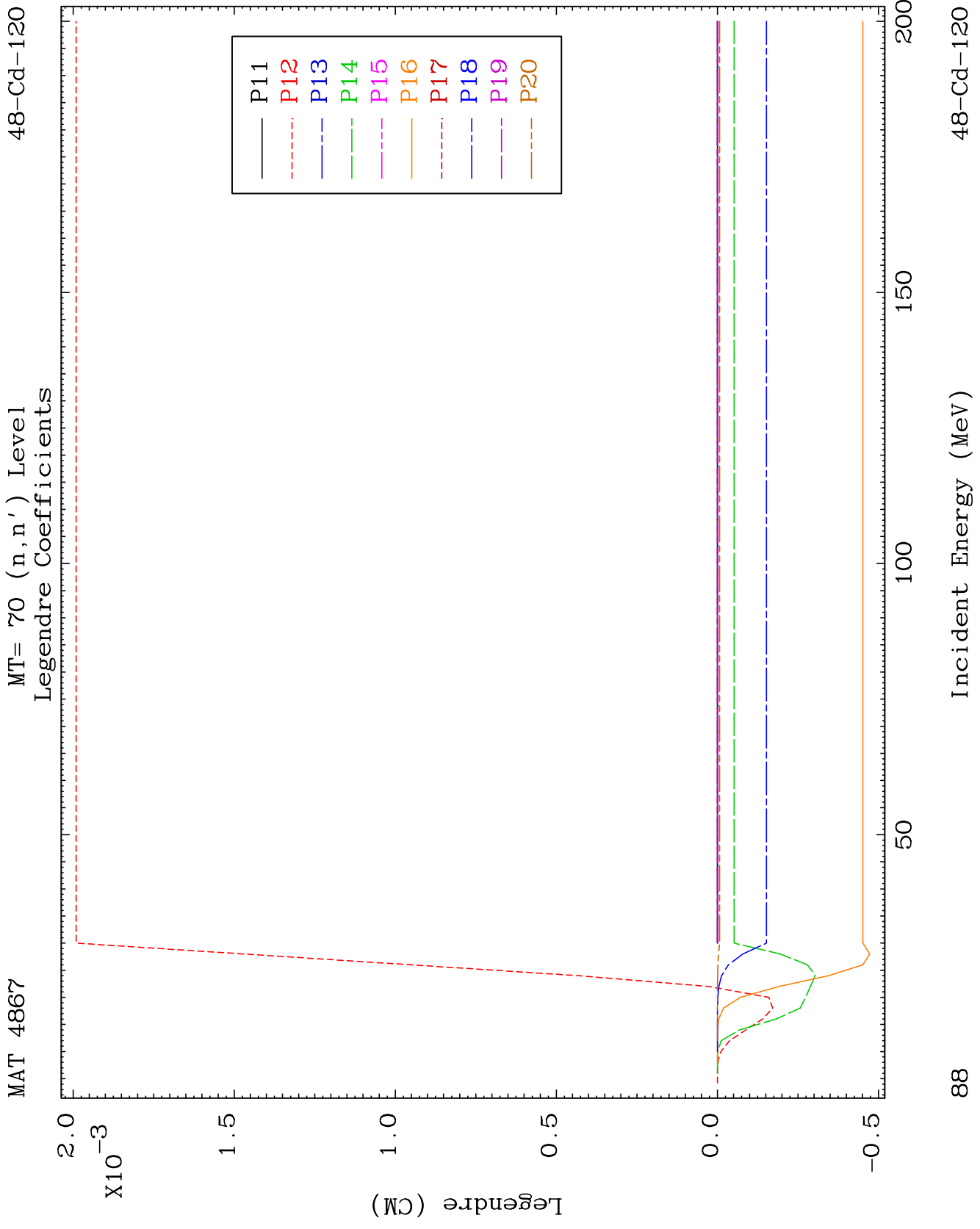
85

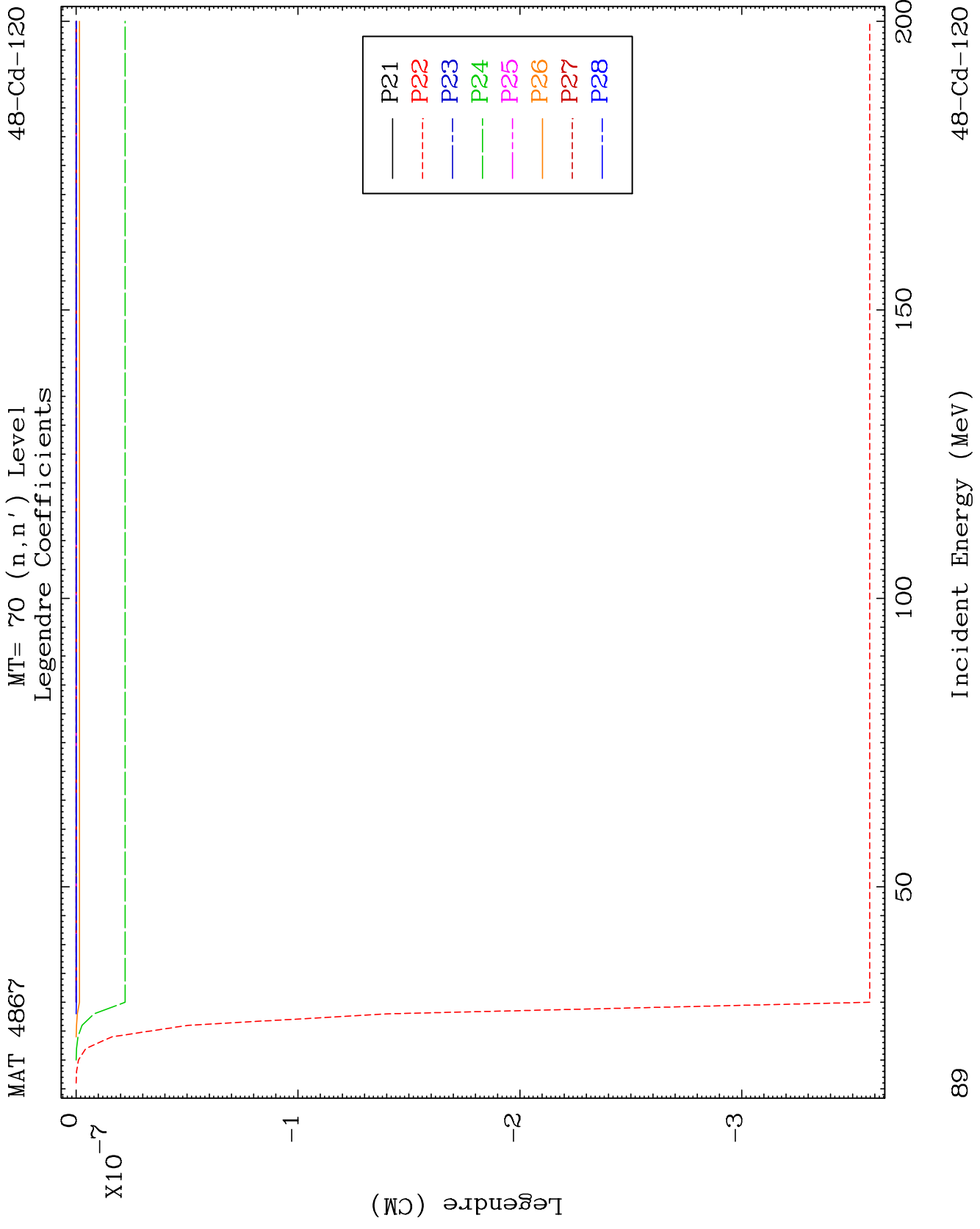
Incident Energy (MeV)

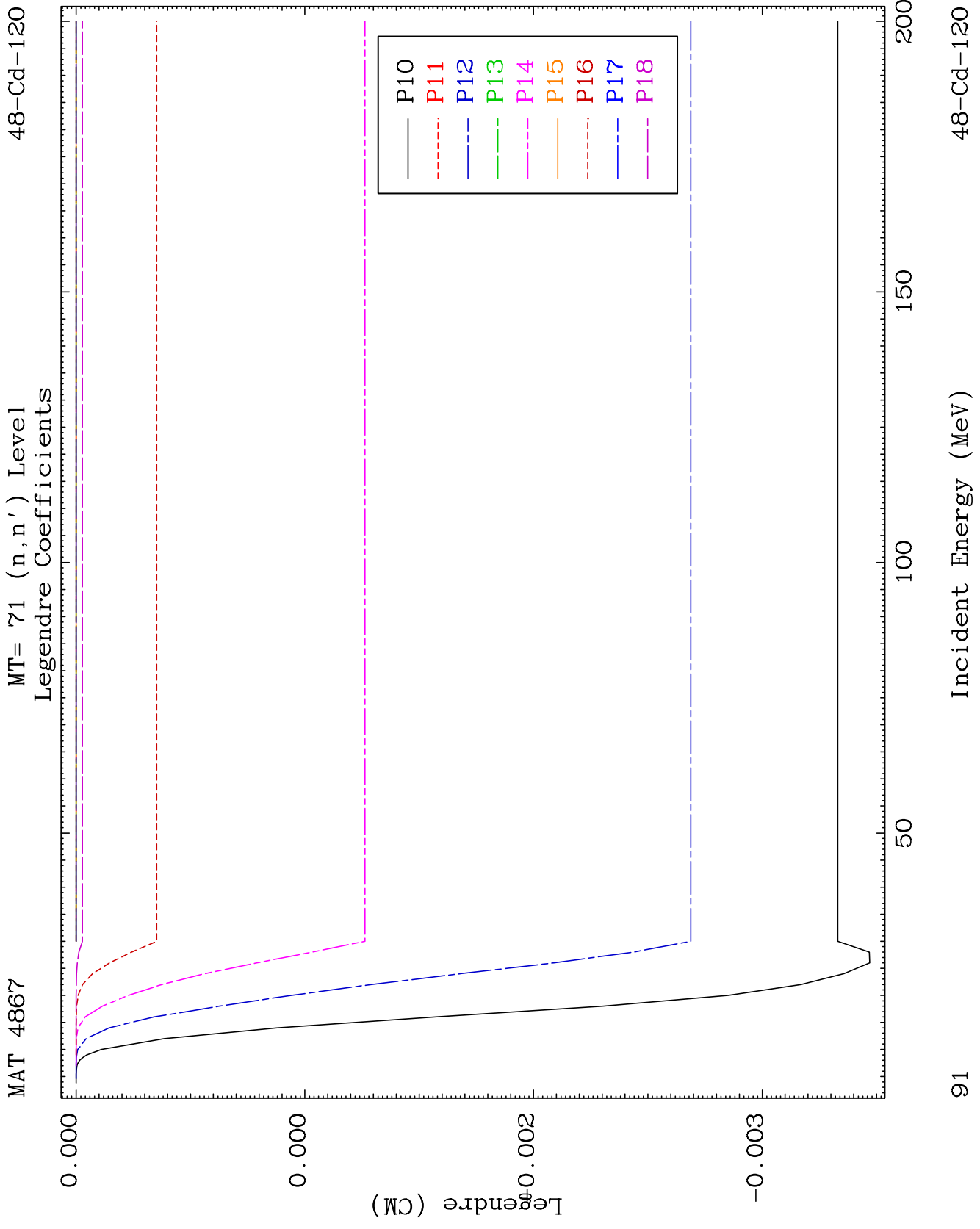
48-Cd-120

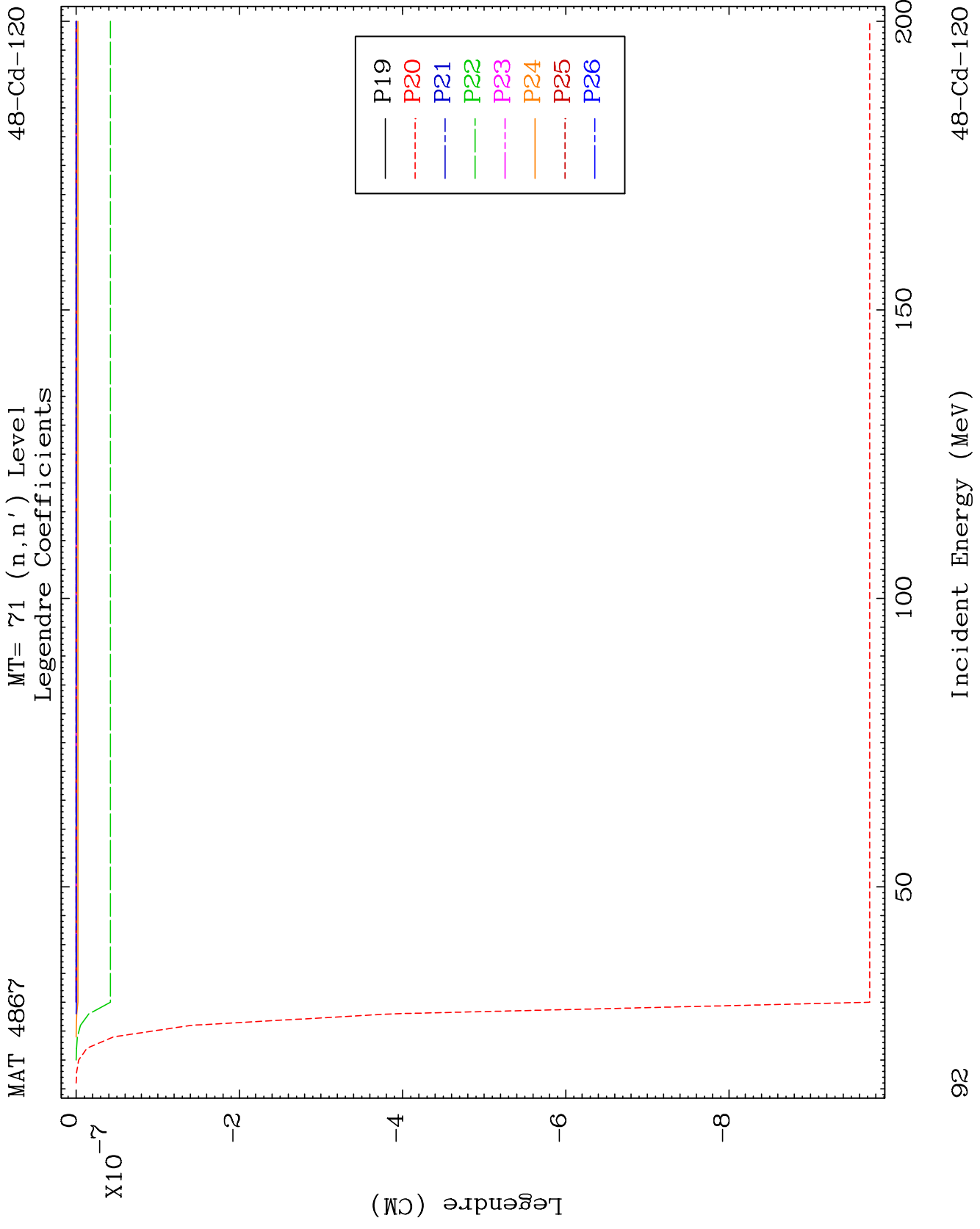


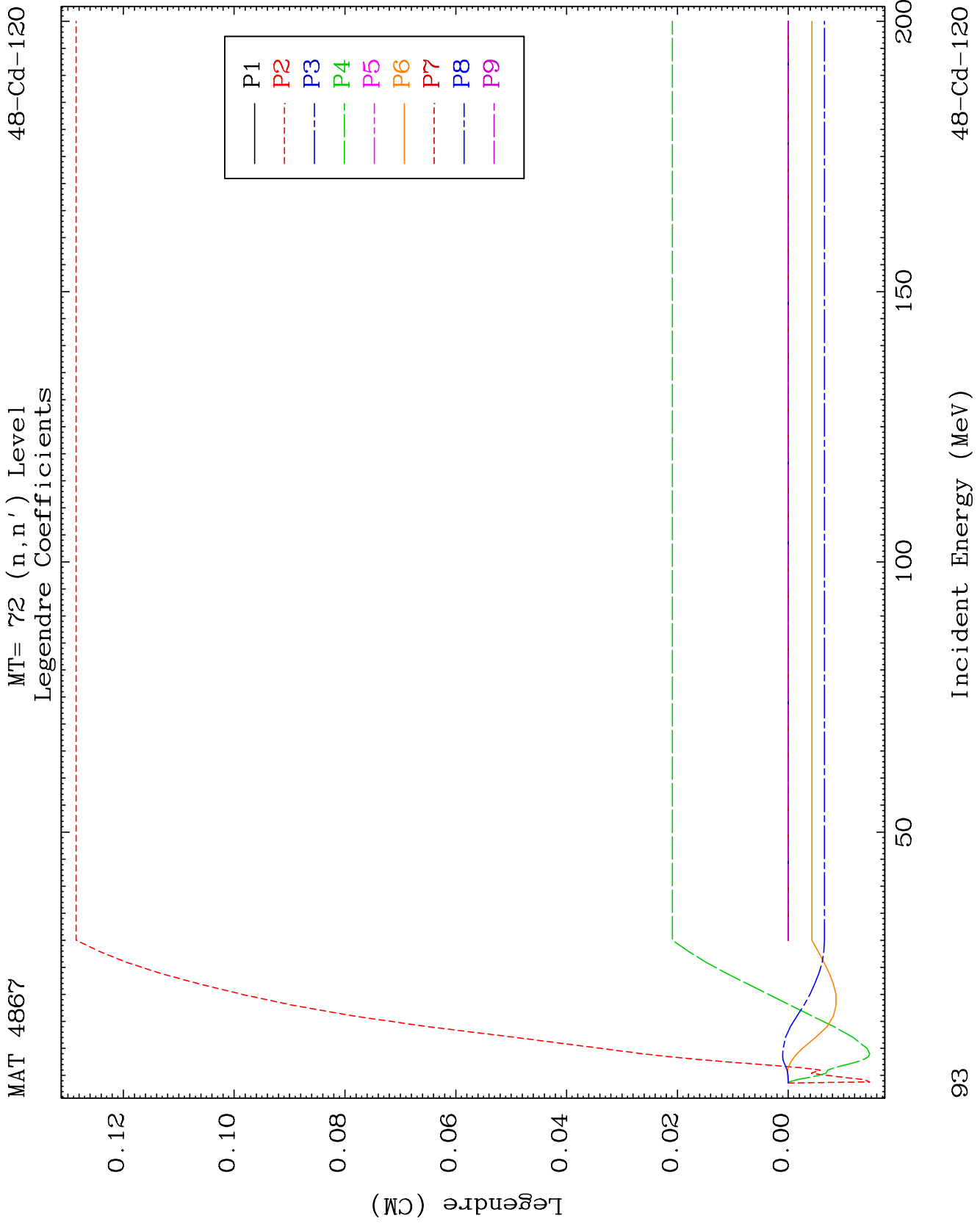










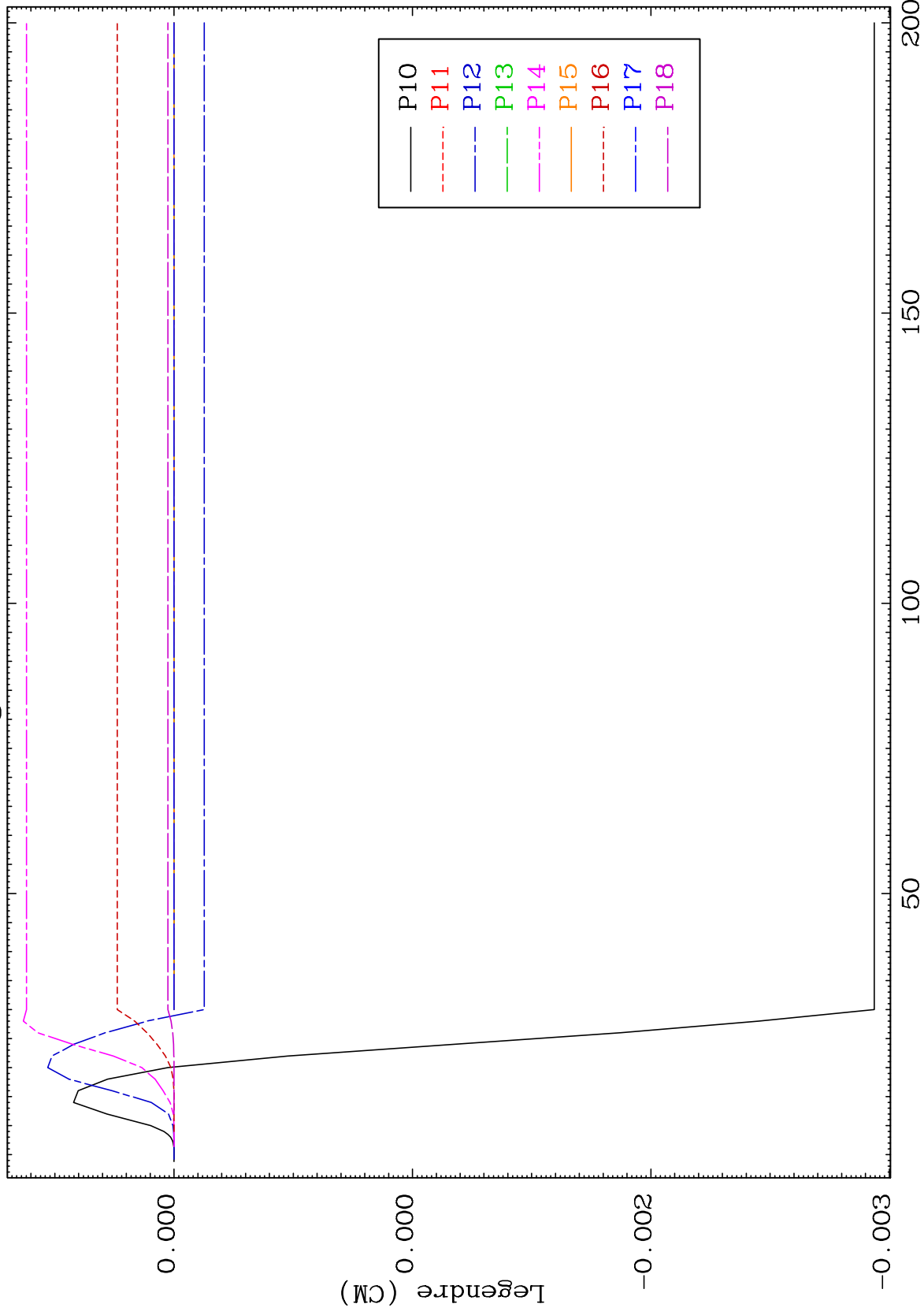


MAT 4867

MT= 72 (n,n') Level

48-Cd-120

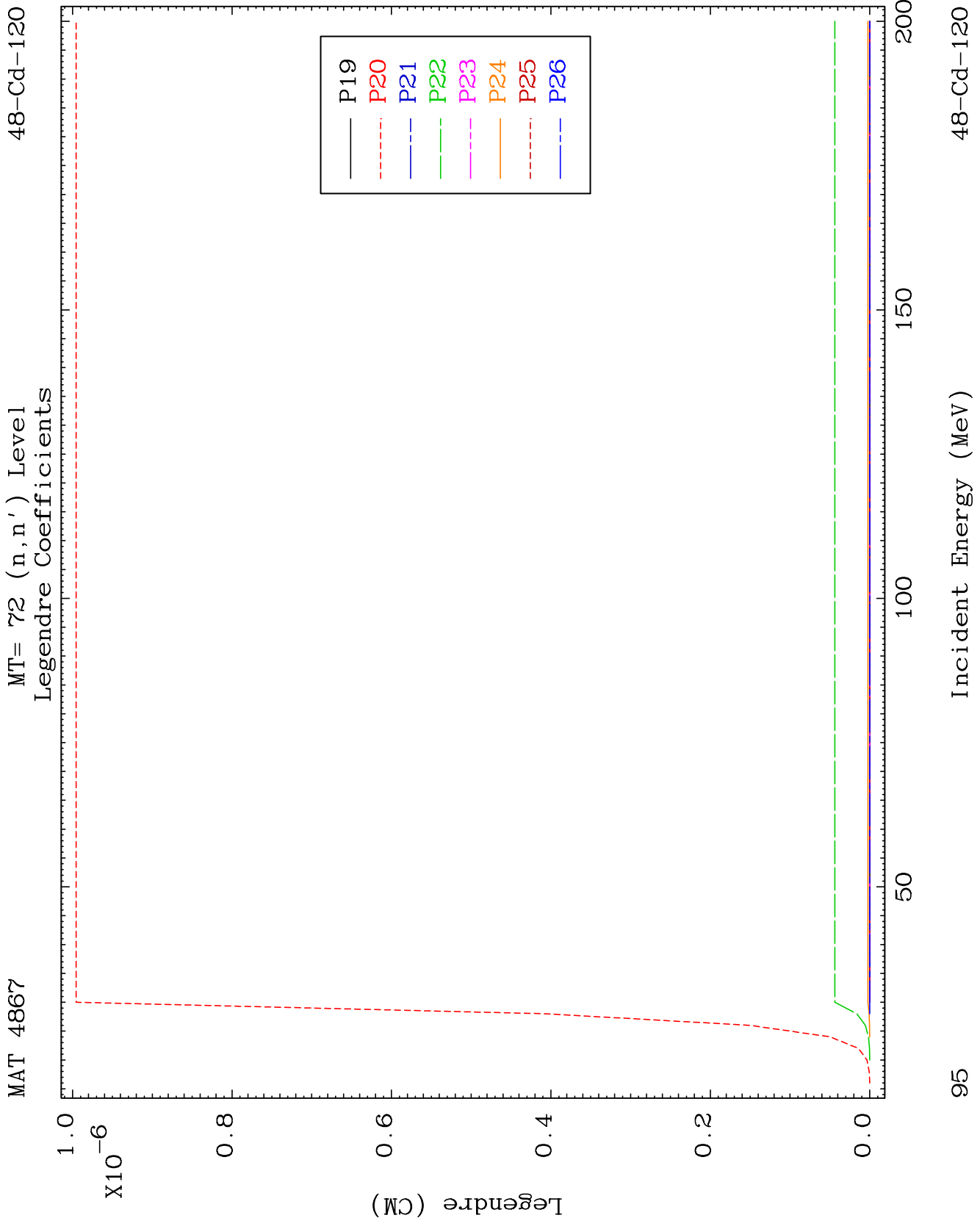
Legendre Coefficients



94

Incident Energy (MeV)

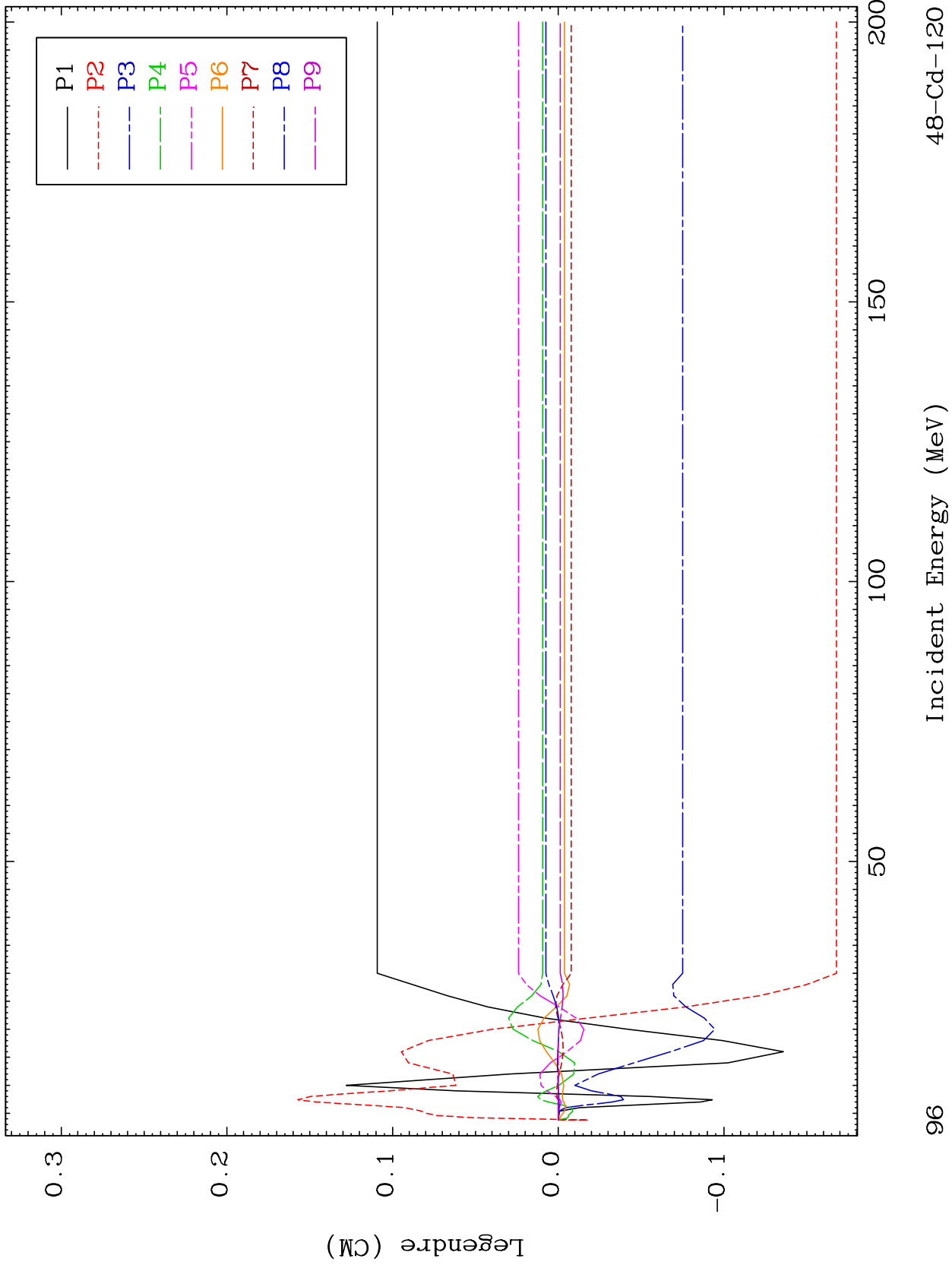
48-Cd-120



MAT 4867

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

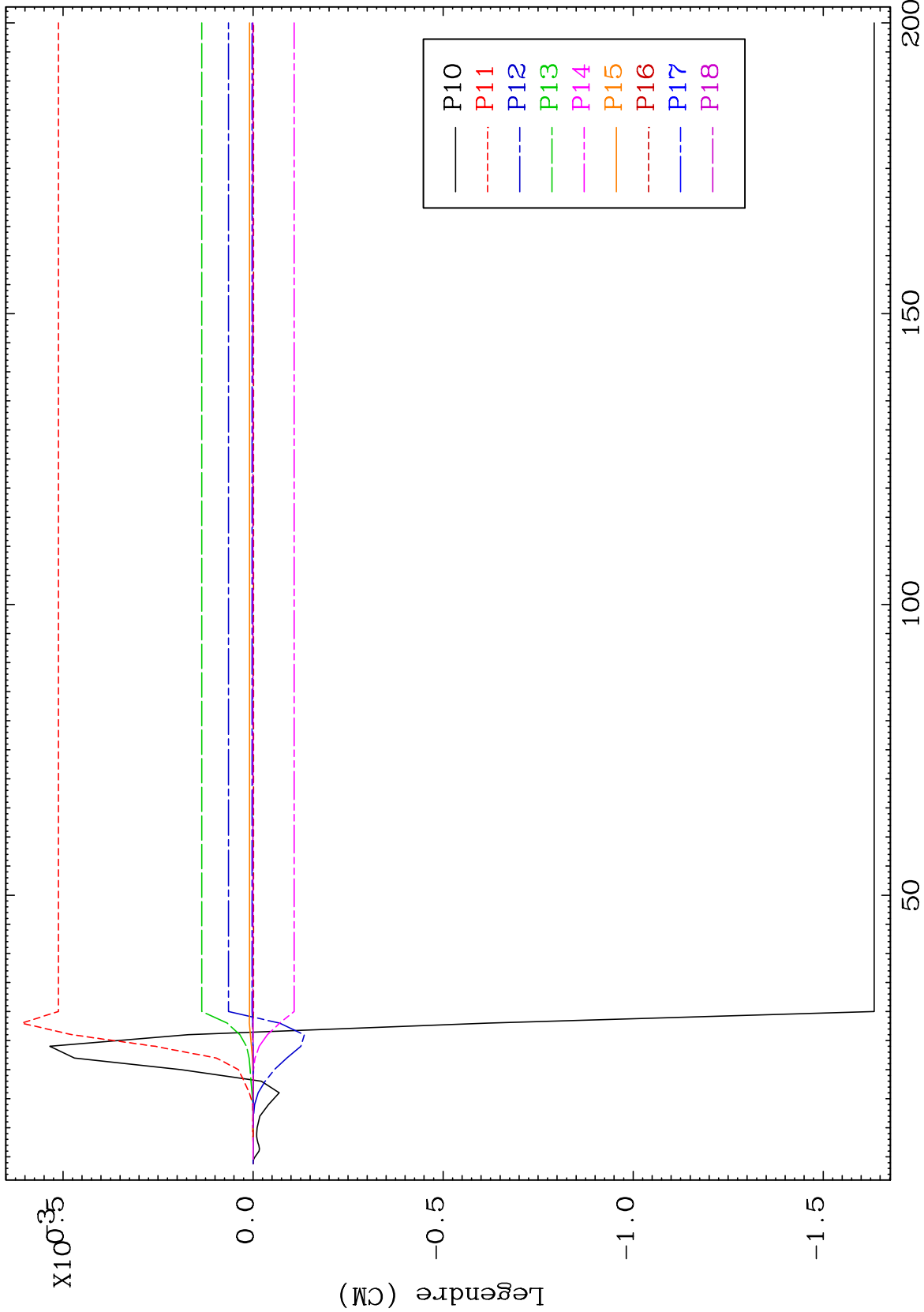
48-Cd-120

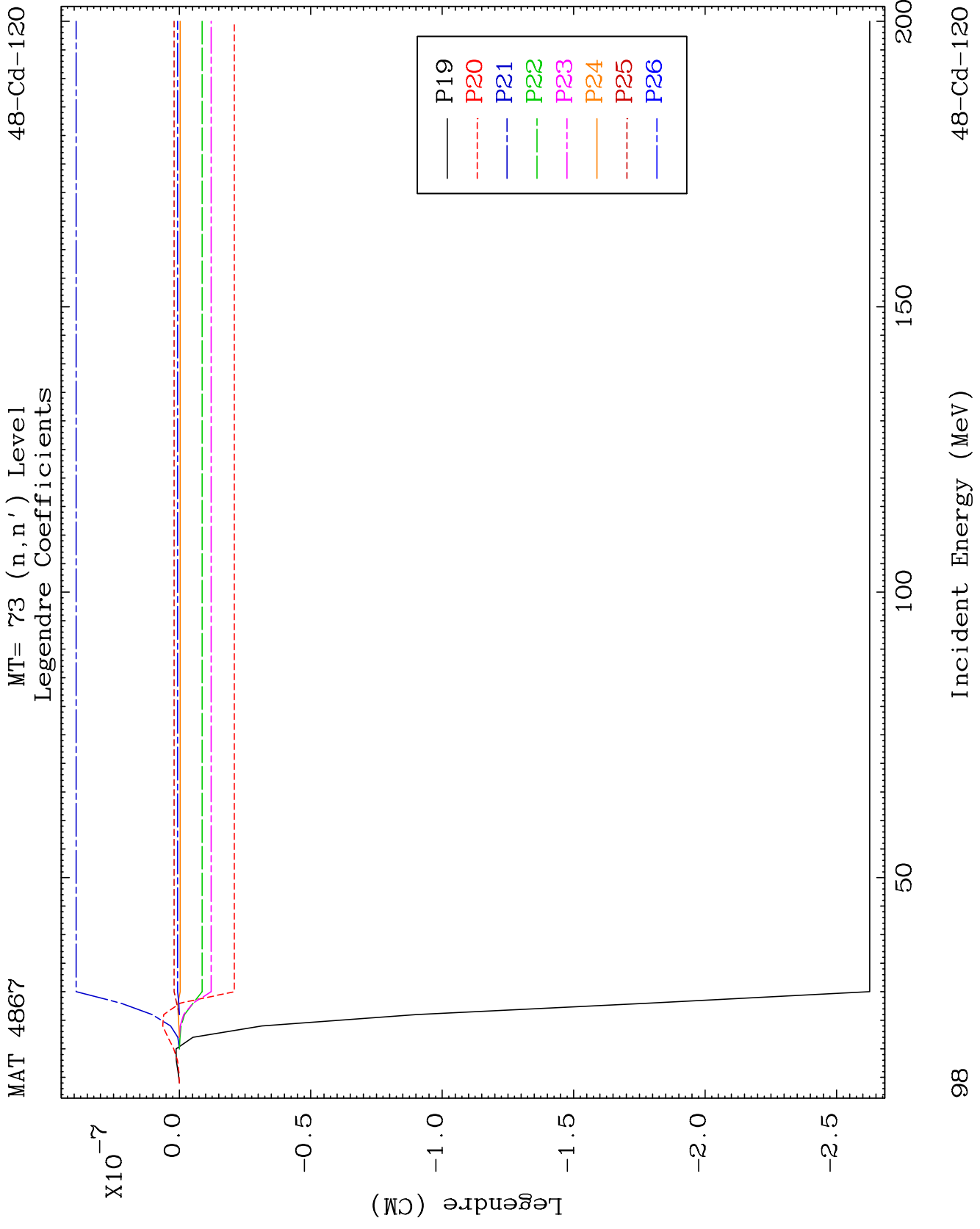


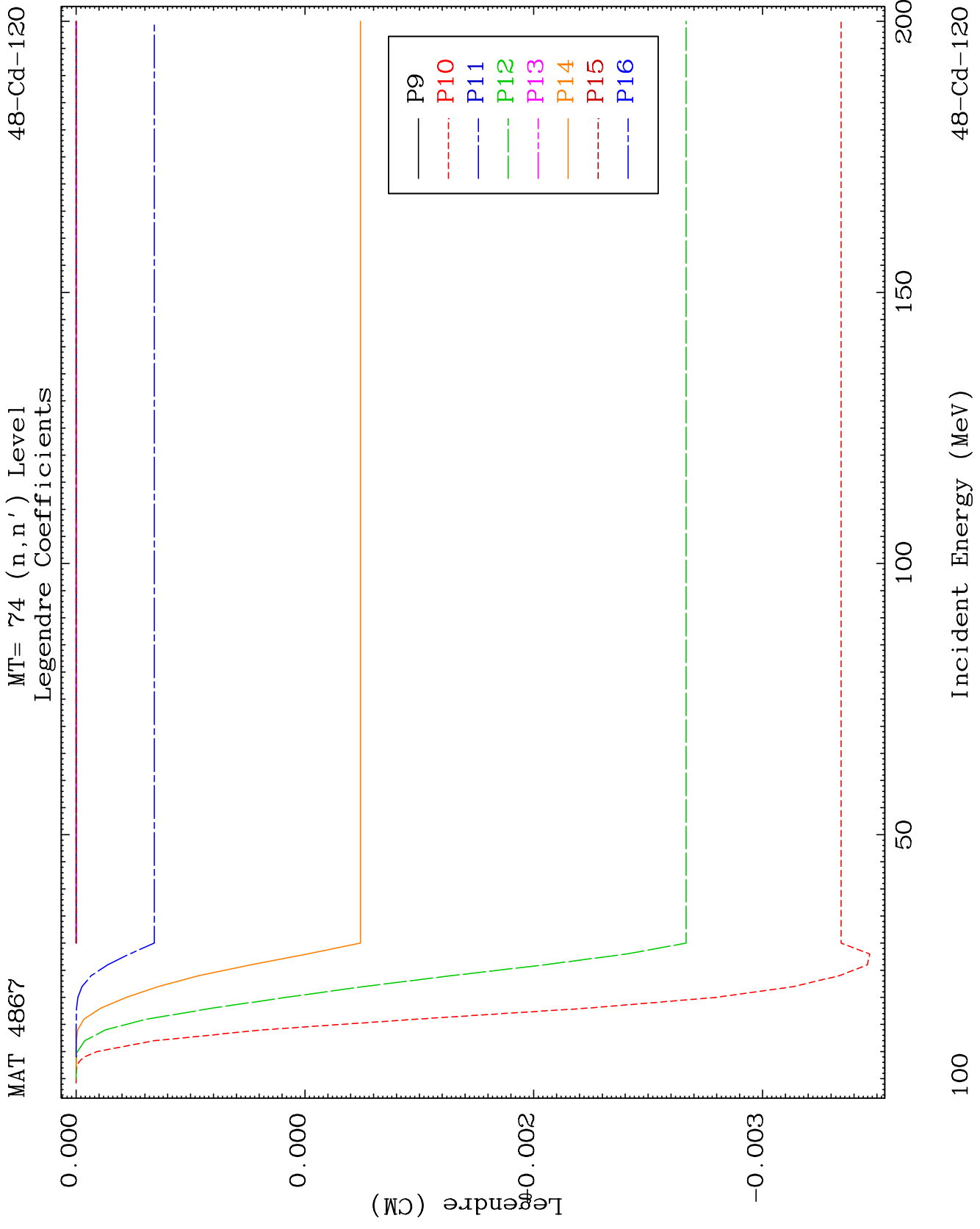
MAT 4867

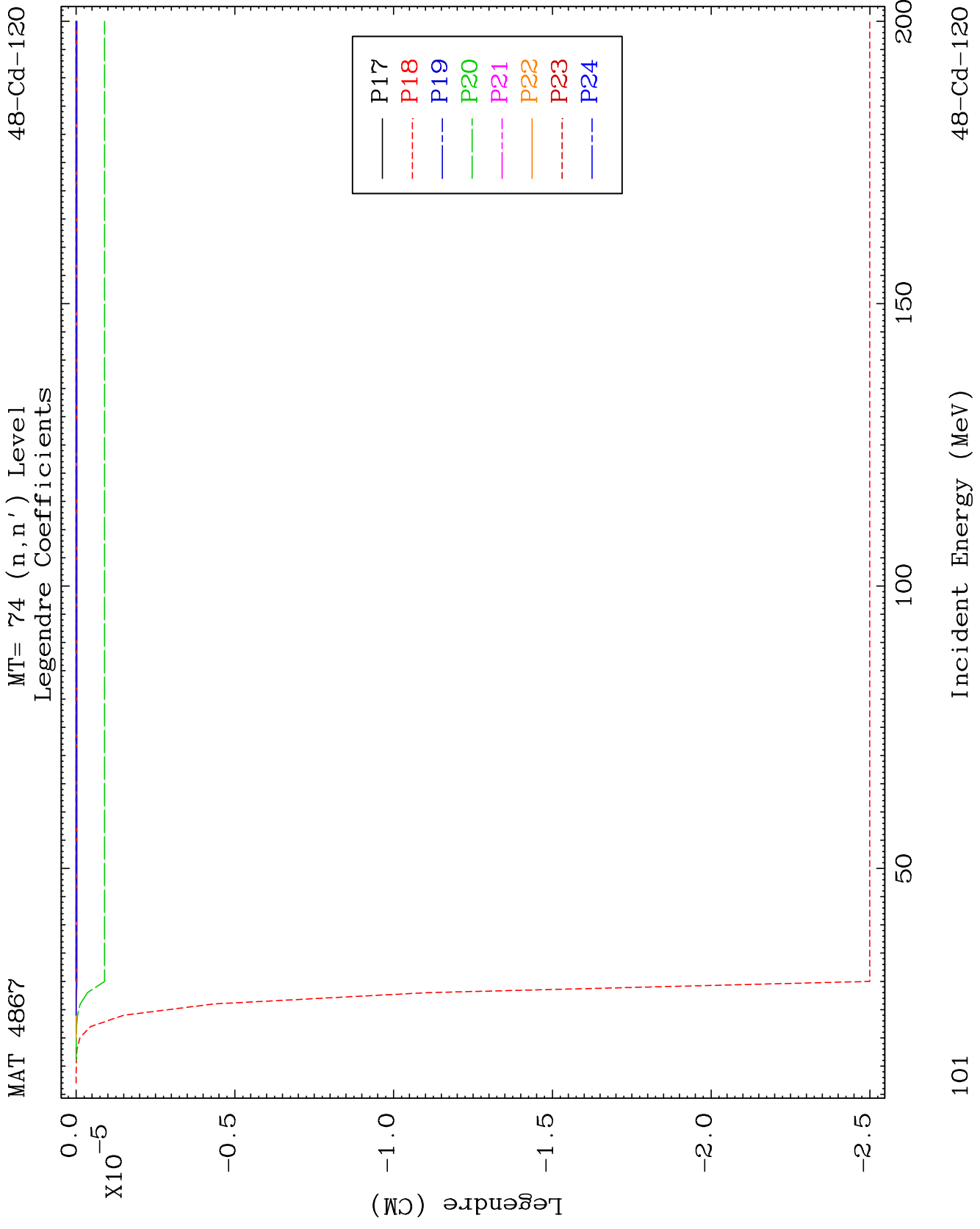
MT= 73 (n,n') Level
Legendre Coefficients

48-Cd-120







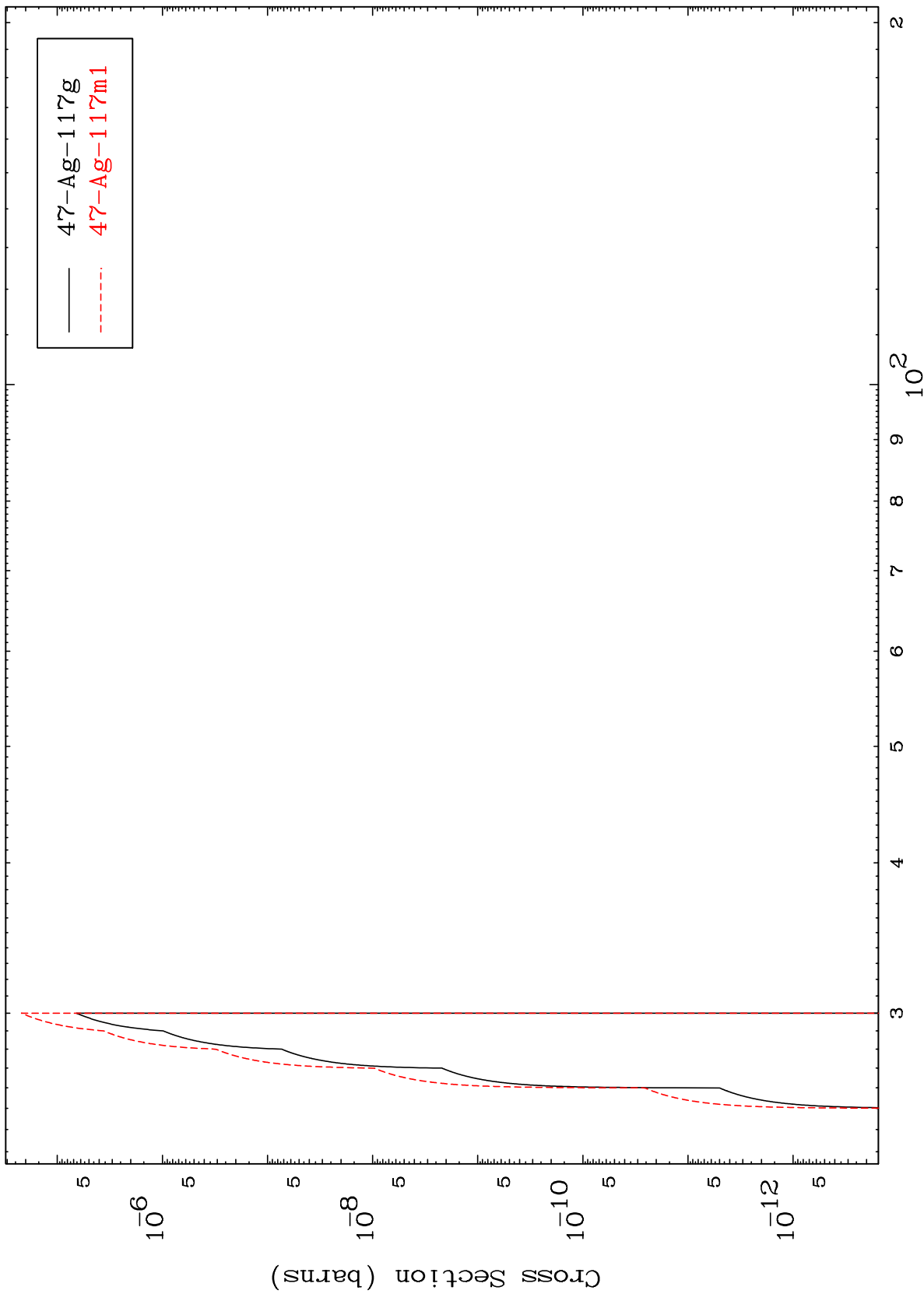


MAT 4867

(n,2n) d

48-Cd-120

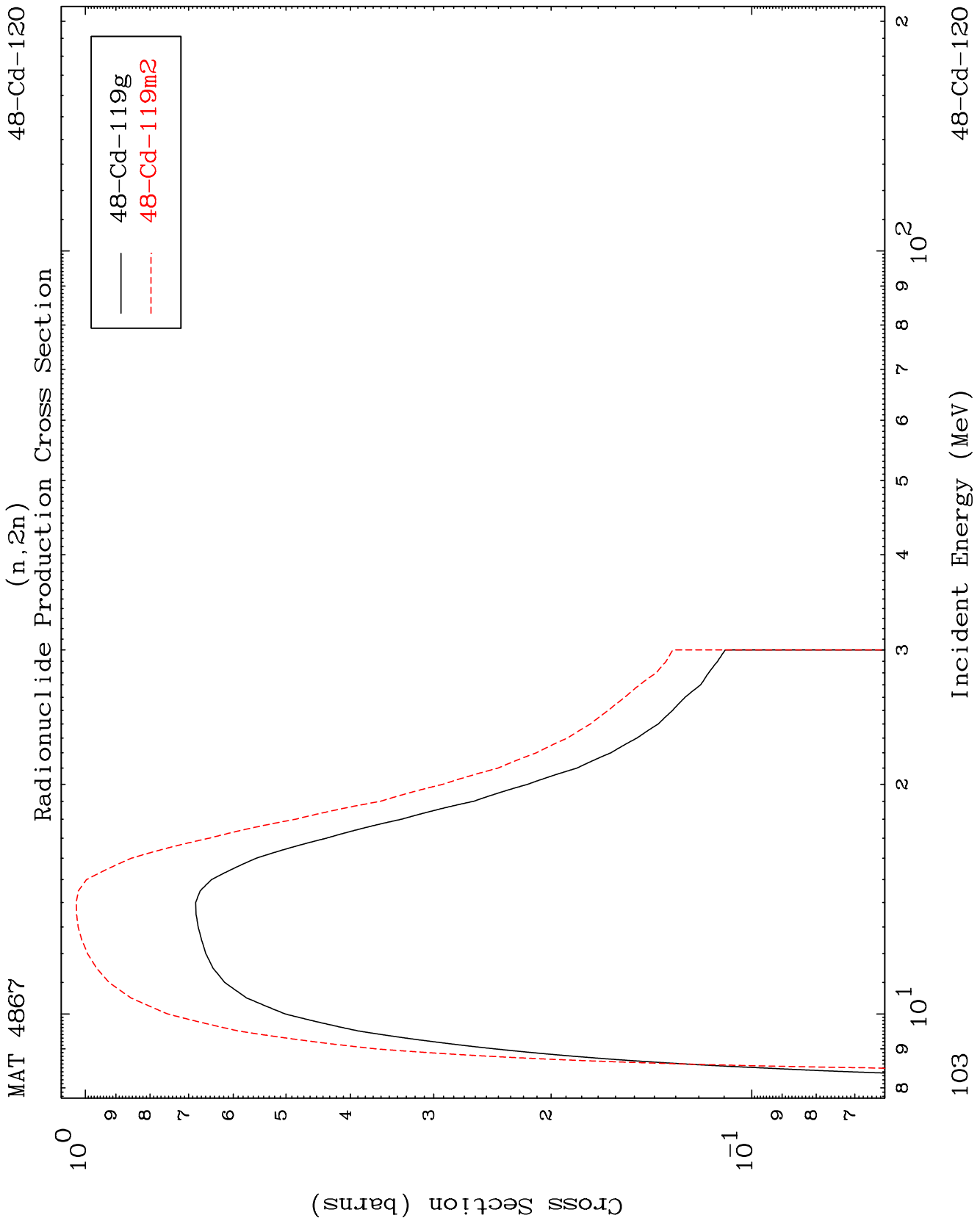
Radionuclide Production Cross Section



102

Incident Energy (MeV)

48-Cd-120

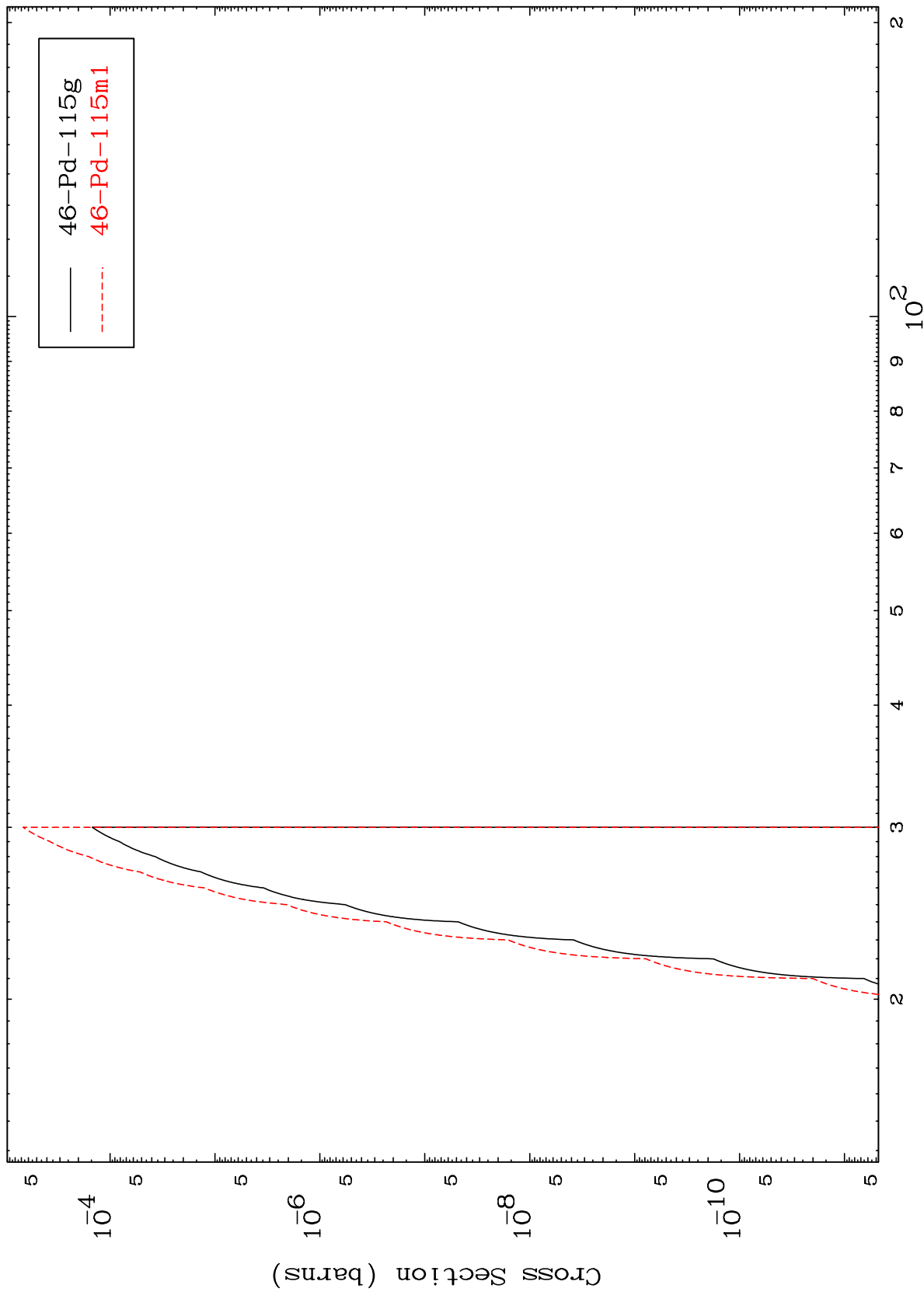


MAT 4867

(n,2n) α

48-Cd-120

Radionuclide Production Cross Section



104

Incident Energy (MeV)

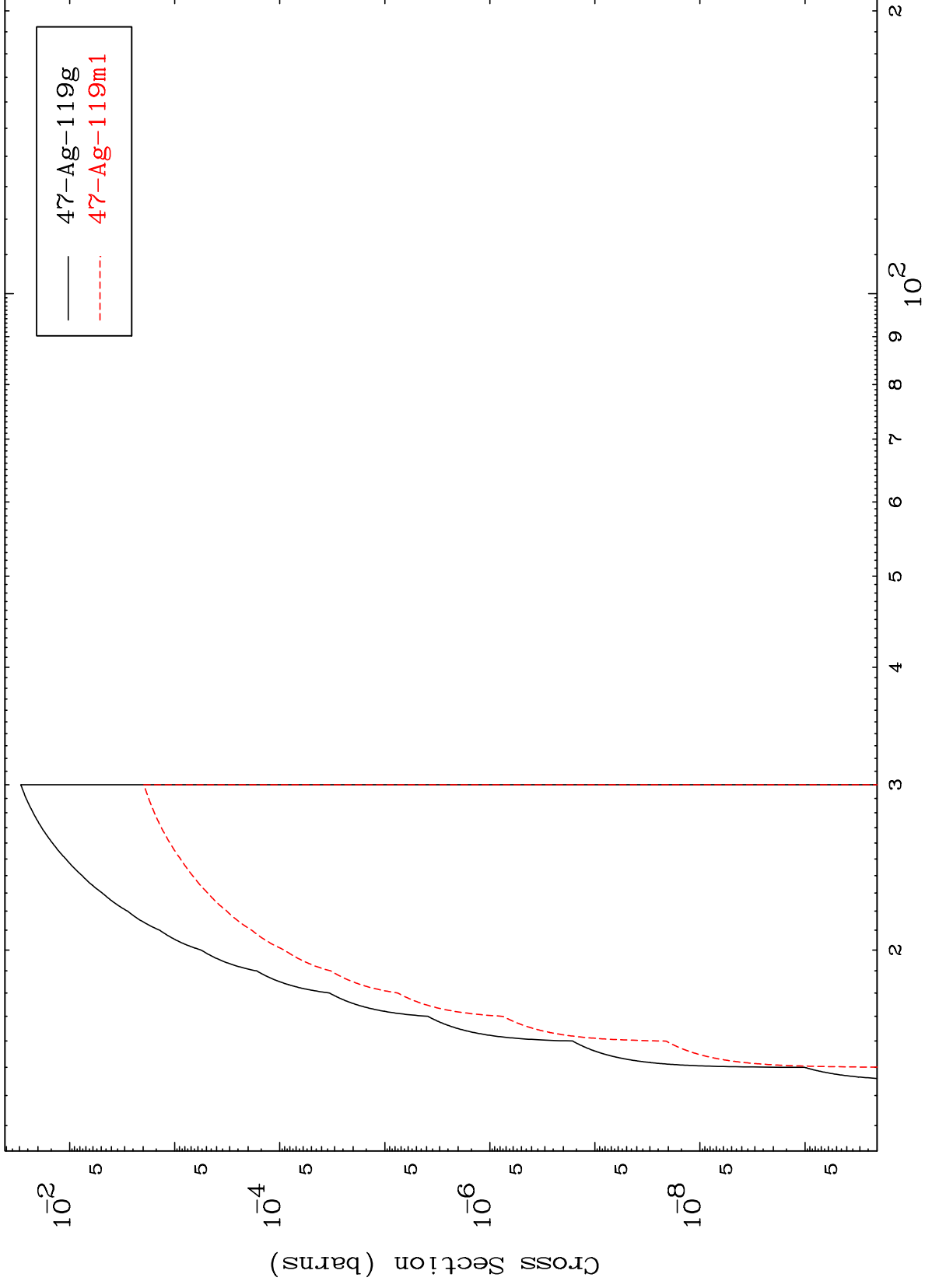
48-Cd-120

MAT 4867

(n,n') p

48-Cd-120

Radionuclide Production Cross Section



105

Incident Energy (MeV)

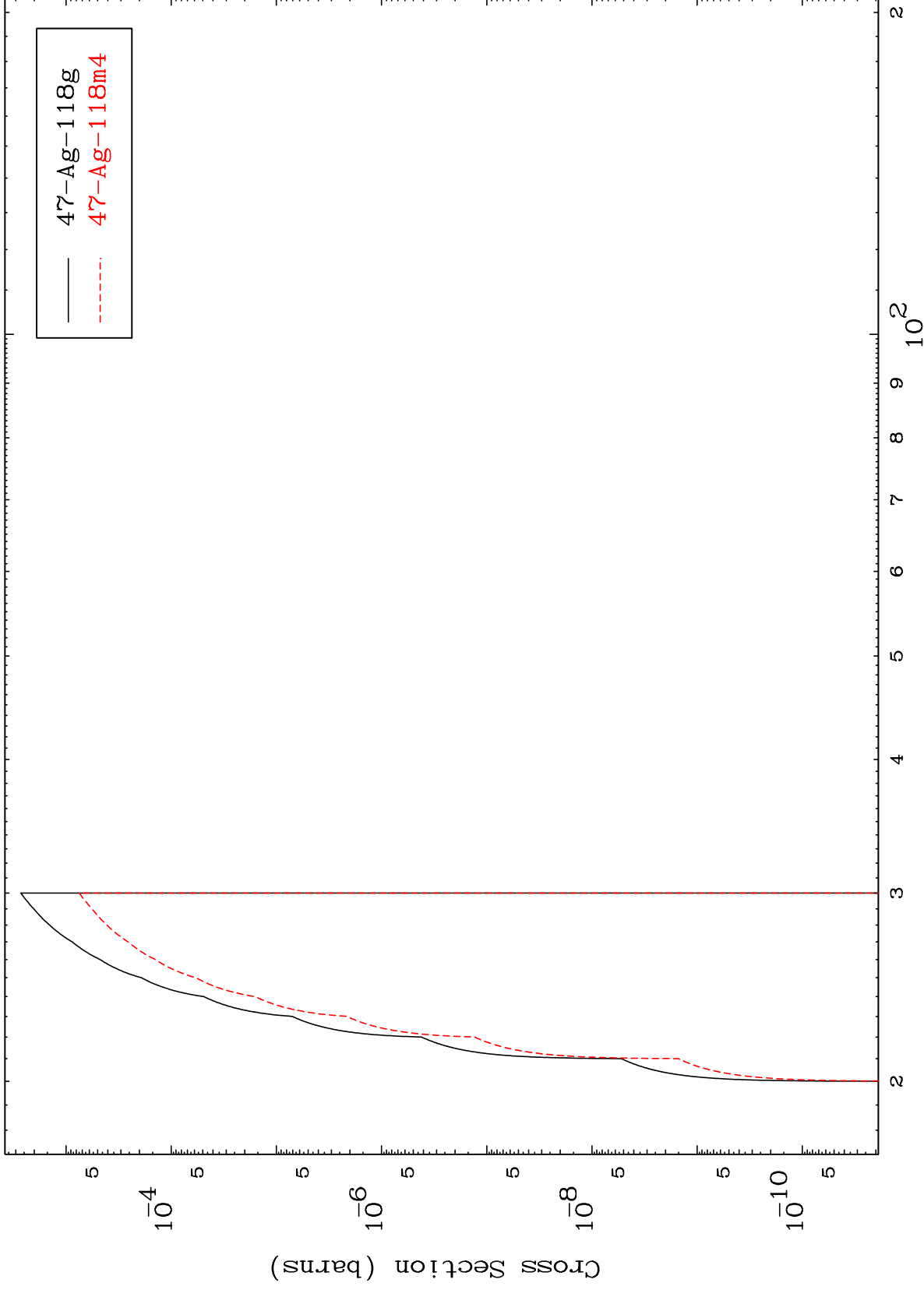
48-Cd-120

MAT 4867

(n,n') d

48-Cd-120

Radionuclide Production Cross Section



106

Incident Energy (MeV)

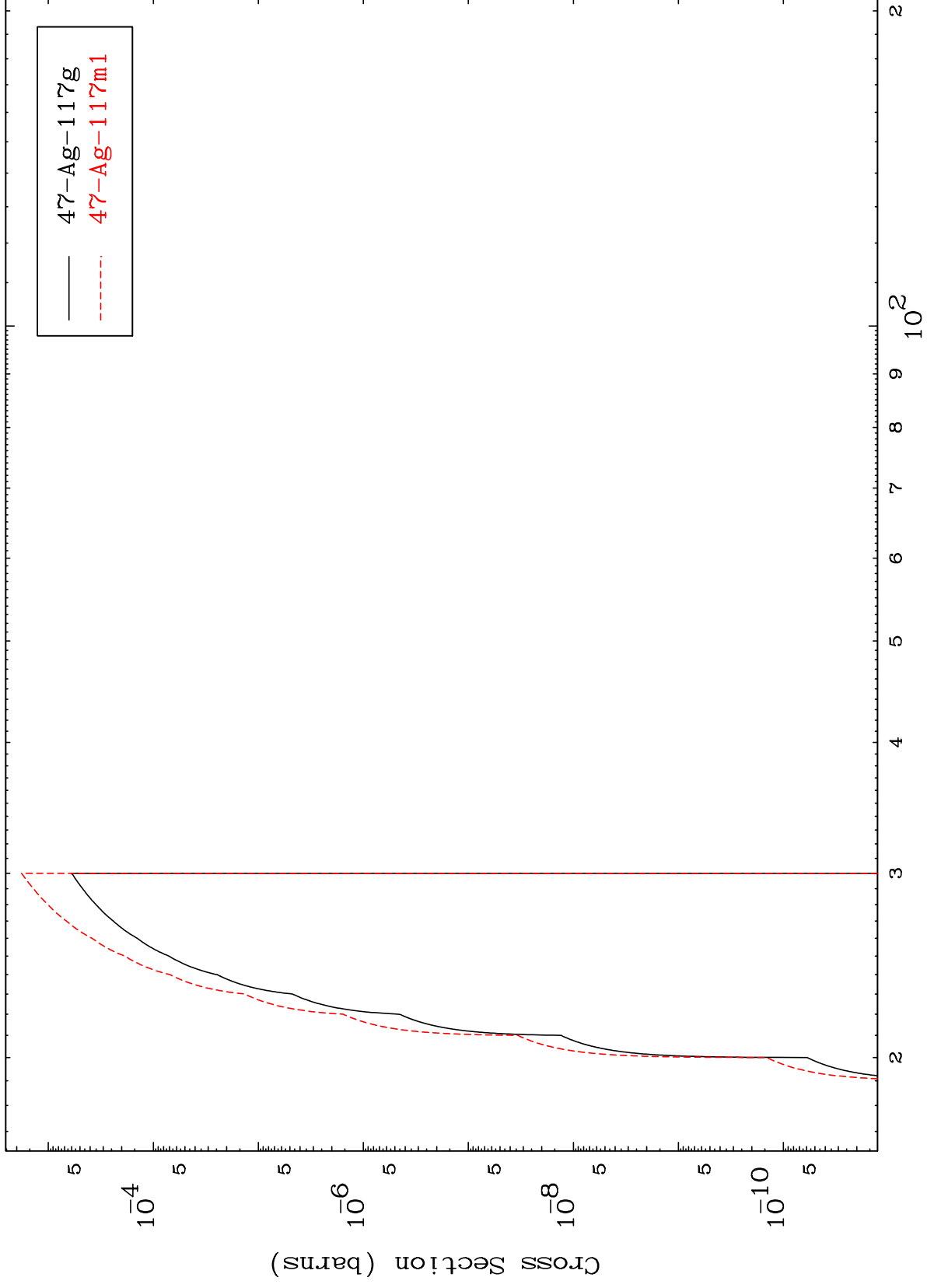
48-Cd-120

MAT 4867

(n,n') t

48-Cd-120

Radionuclide Production Cross Section



107

Incident Energy (MeV)

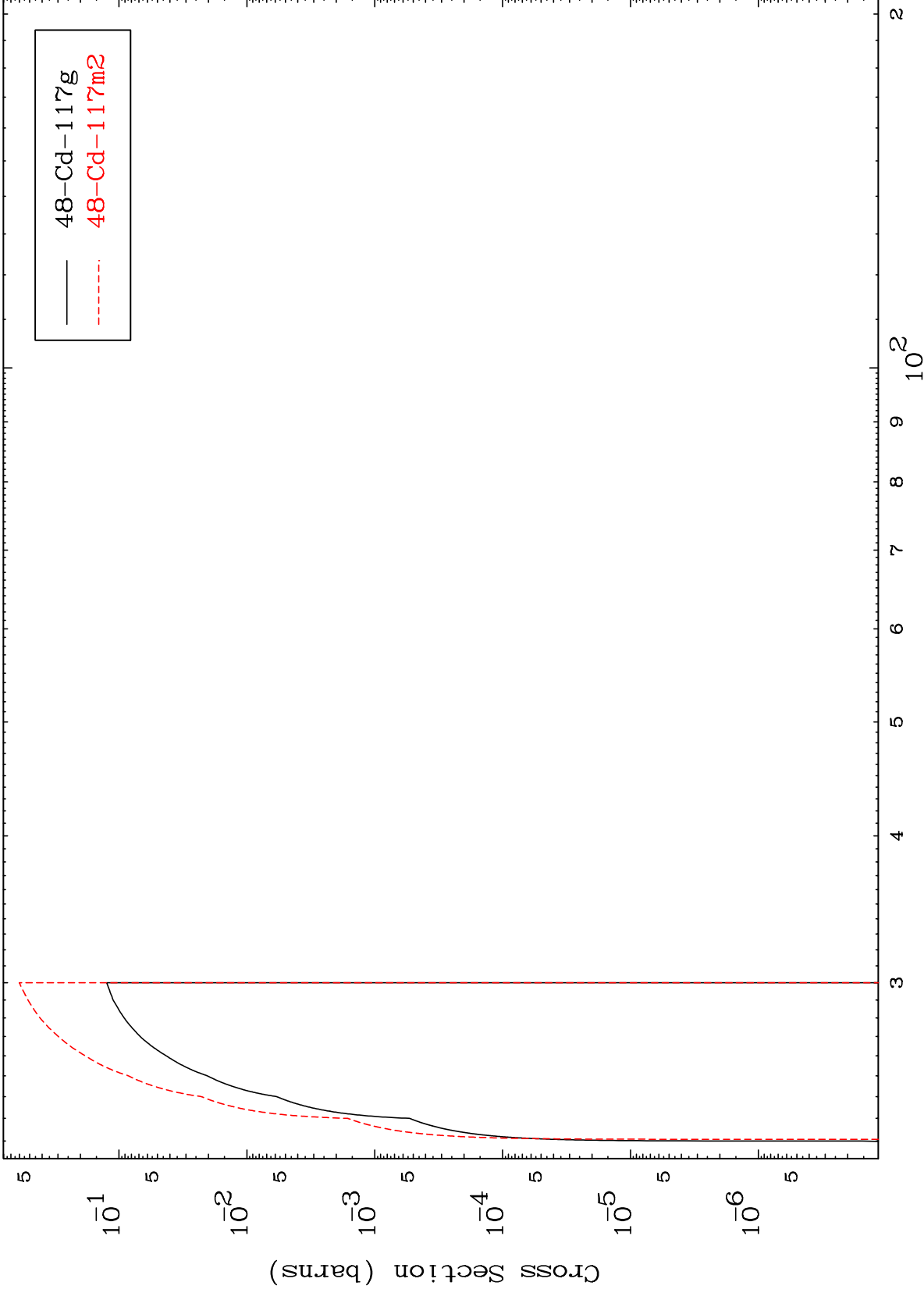
48-Cd-120

MAT 4867

(n,4n)

48-Cd-120

Radionuclide Production Cross Section



108

Incident Energy (MeV)

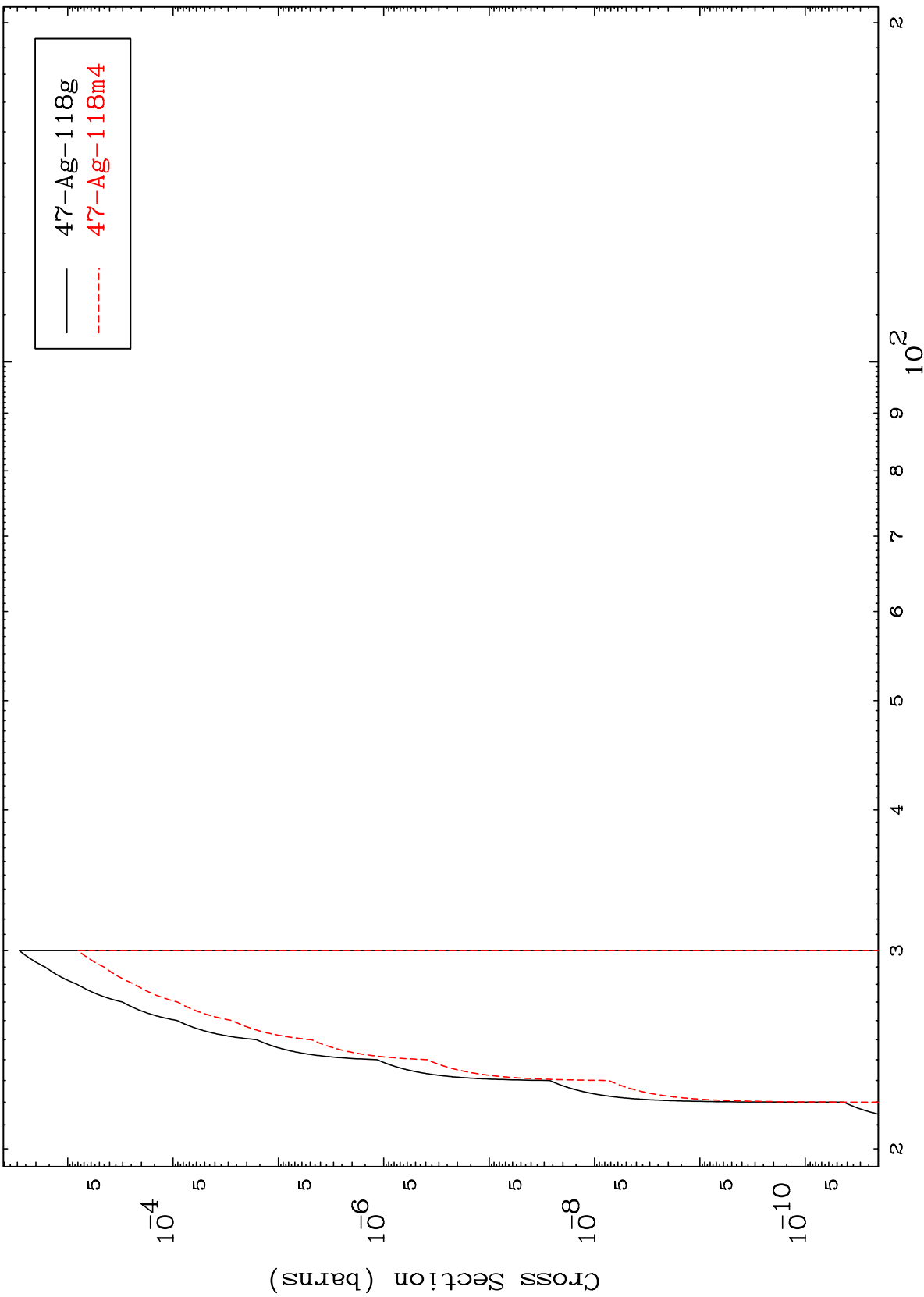
48-Cd-120

MAT 4867

(n,2n) p

48-Cd-120

Radionuclide Production Cross Section



109

Incident Energy (MeV)

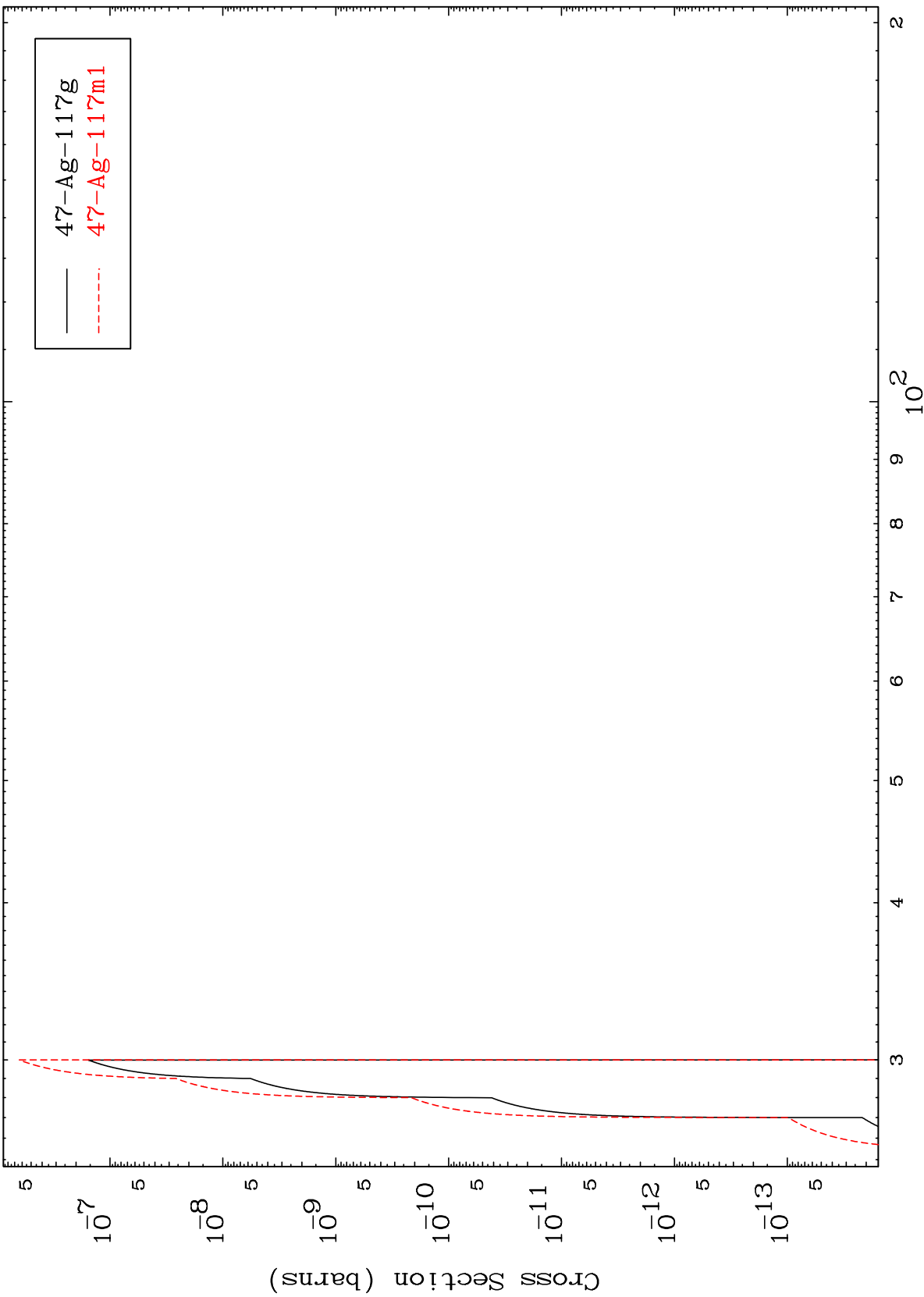
48-Cd-120

MAT 4867

(n,3n) p

48-Cd-120

Radionuclide Production Cross Section



110

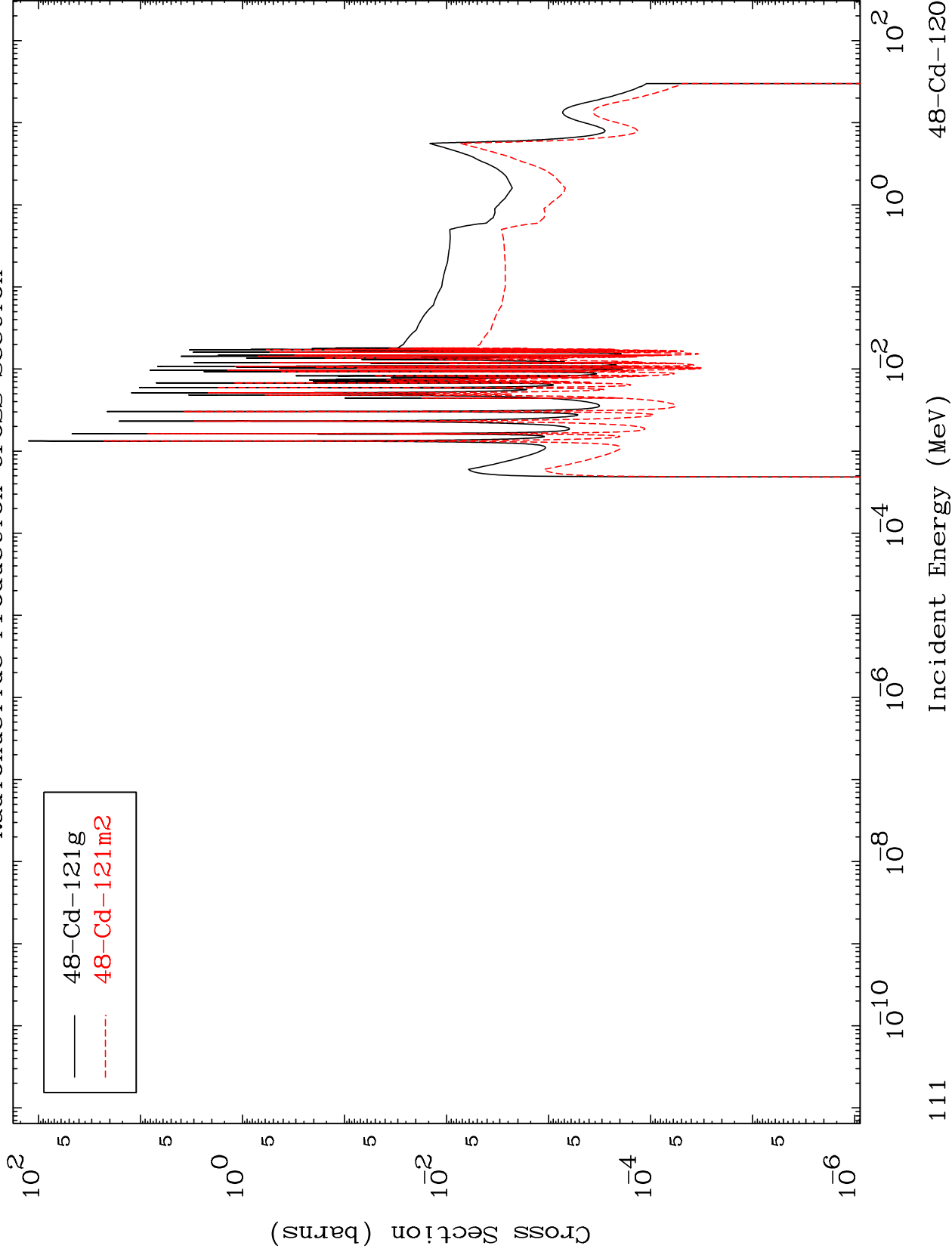
Incident Energy (MeV)

48-Cd-120

MAT 4867

48-Cd-120

(n, γ)
Radionuclide Production Cross Section

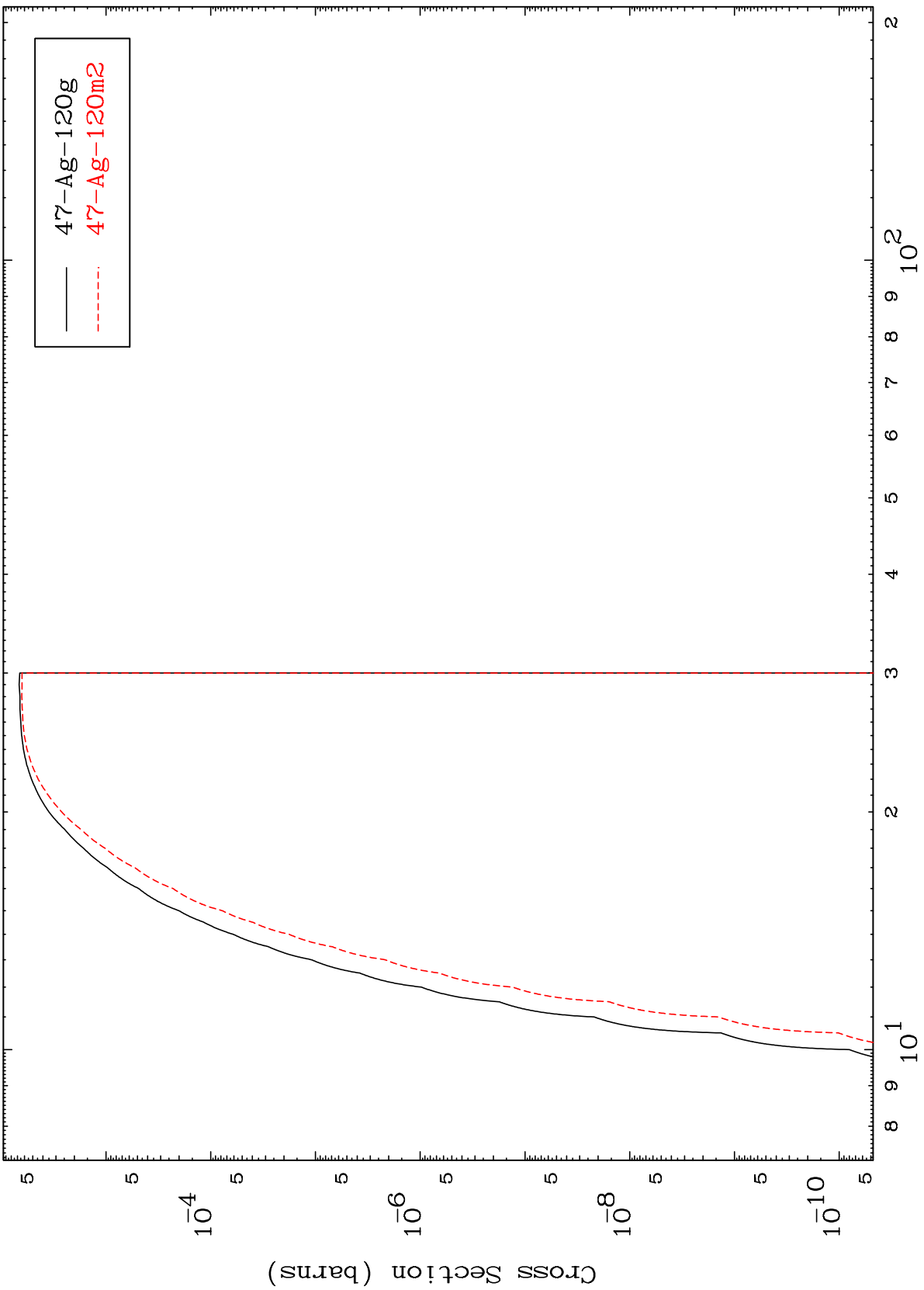


— 48-Cd-121g
- - - 48-Cd-121m2

MAT 4867

48-Cd-120

(n,p)
Radionuclide Production Cross Section



112

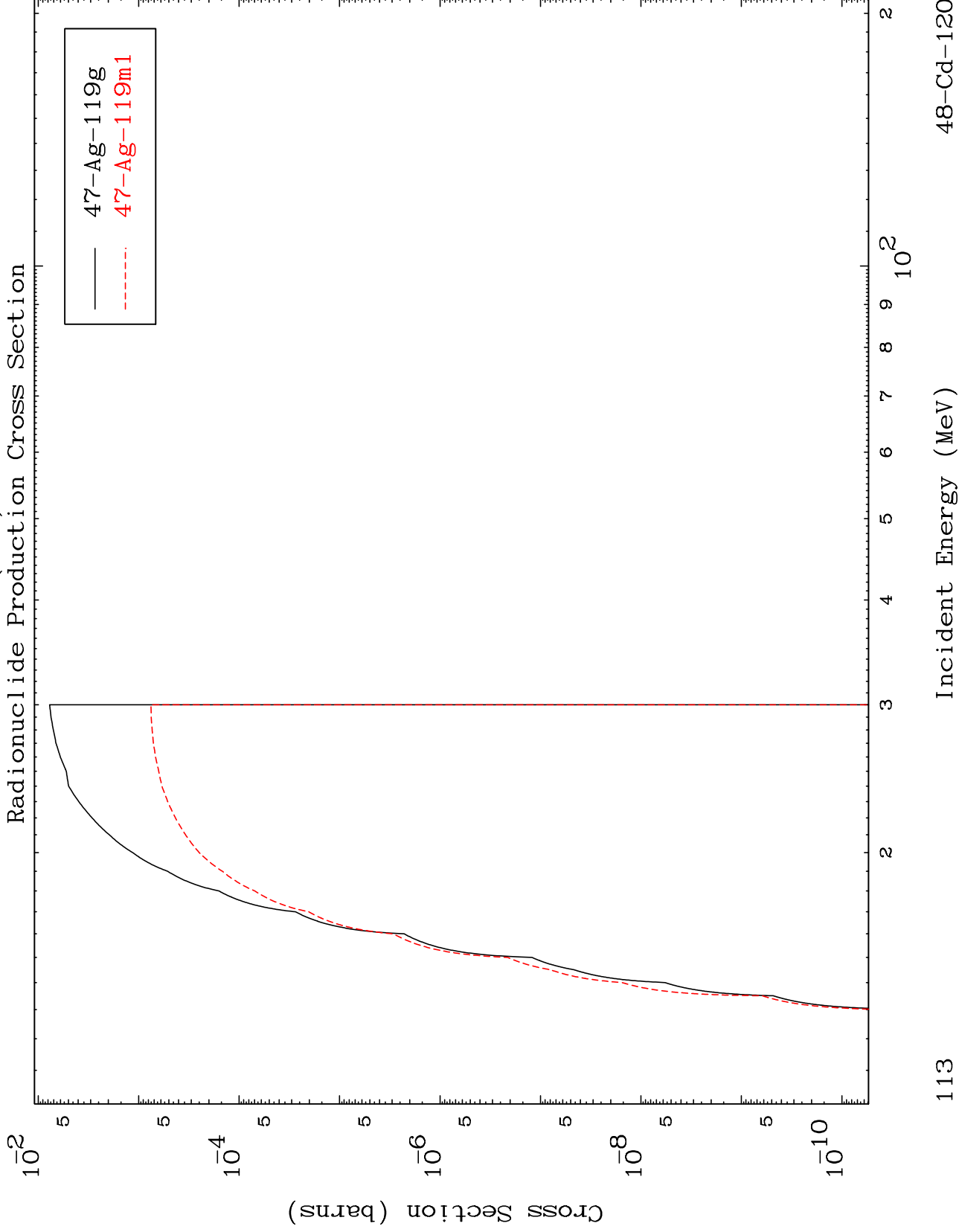
Incident Energy (MeV)

48-Cd-120

MAT 4867

(n,d)

48-Cd-120



113

Incident Energy (MeV)

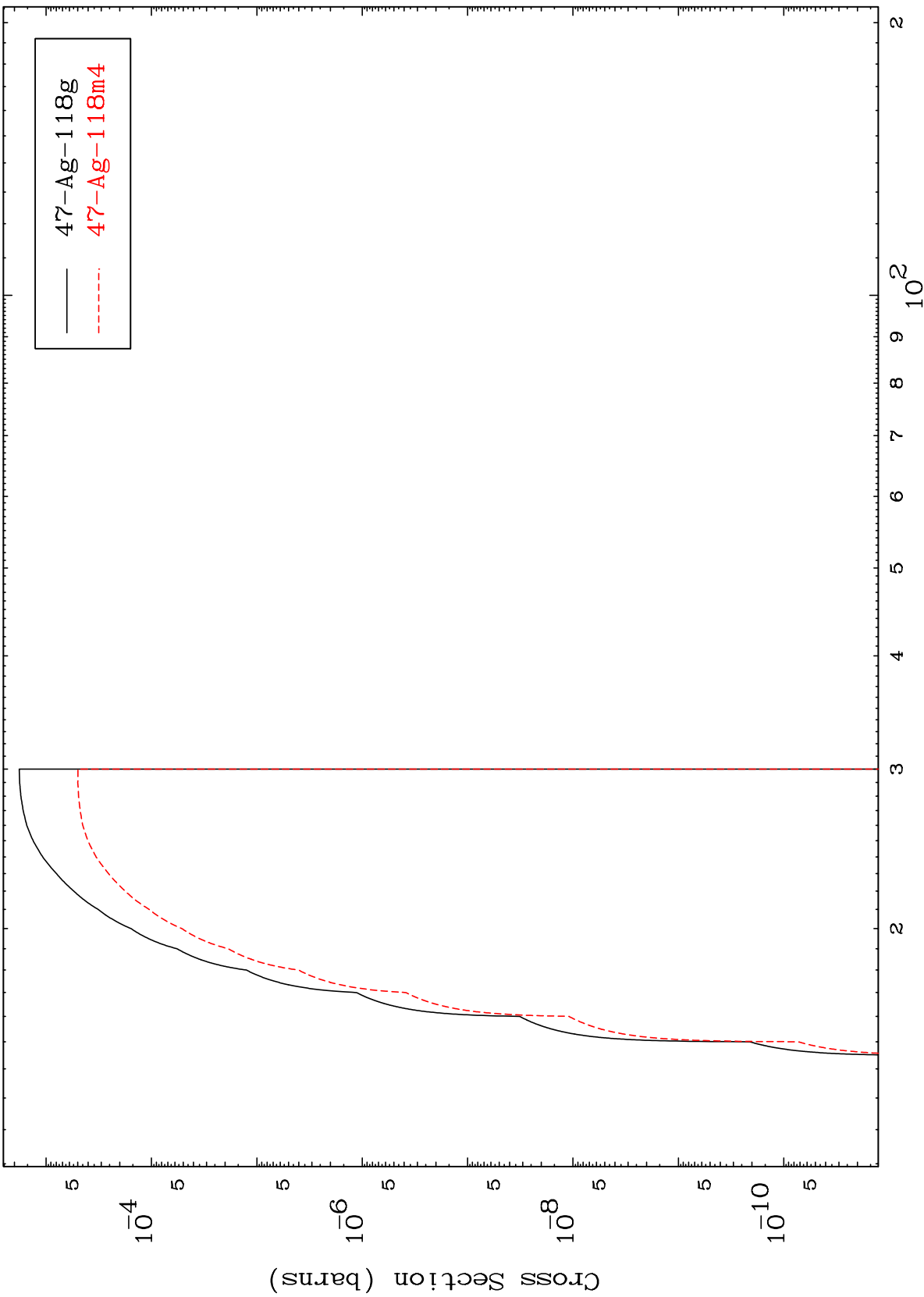
48-Cd-120

MAT 4867

(n, t)

48-Cd-120

Radionuclide Production Cross Section



47-Ag-118g
47-Ag-118m4

114

Incident Energy (MeV)

48-Cd-120