

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

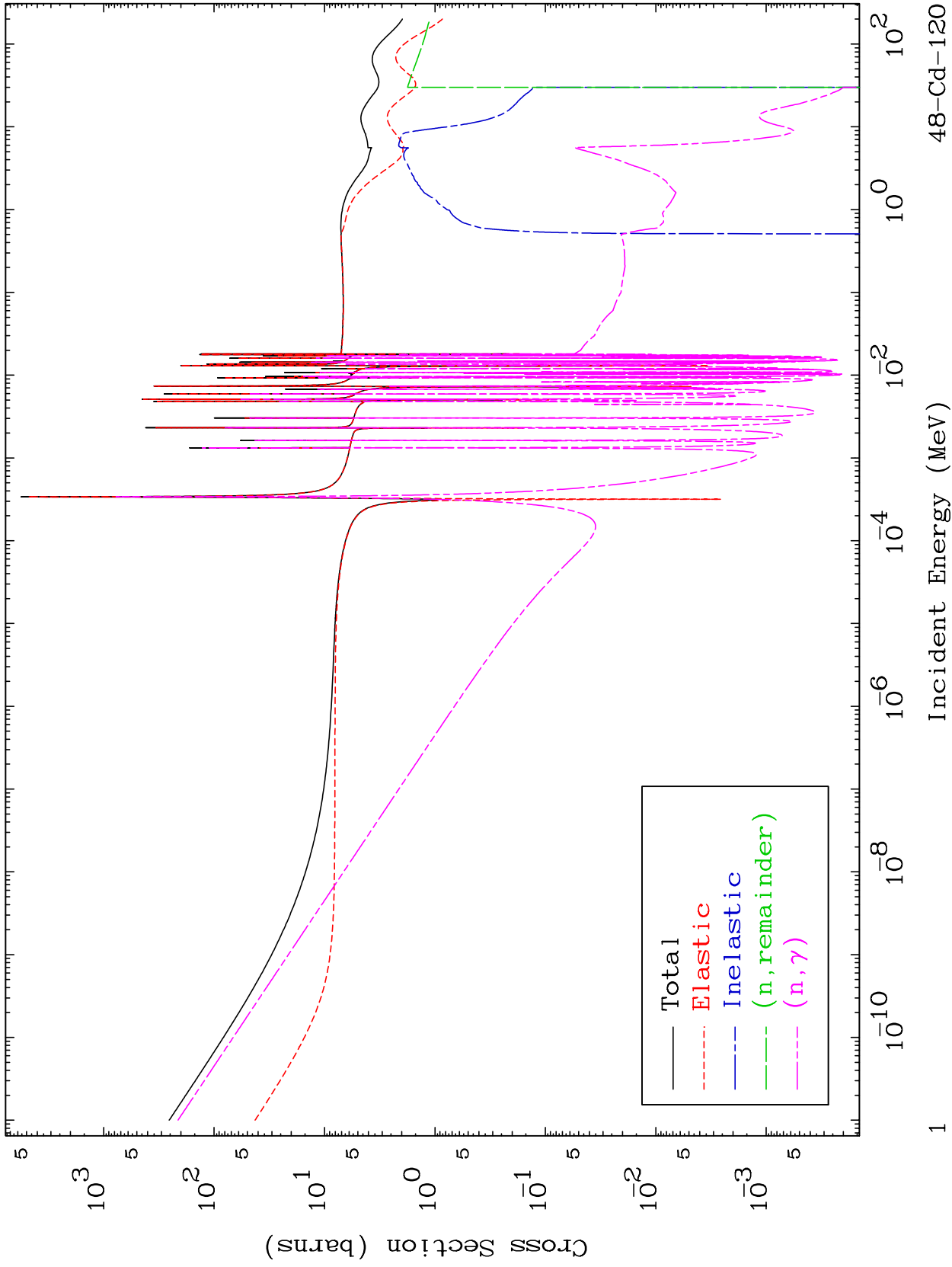
Press Mouse Button to Start

MAT 4867

Major

293 Kelvin Cross Sections

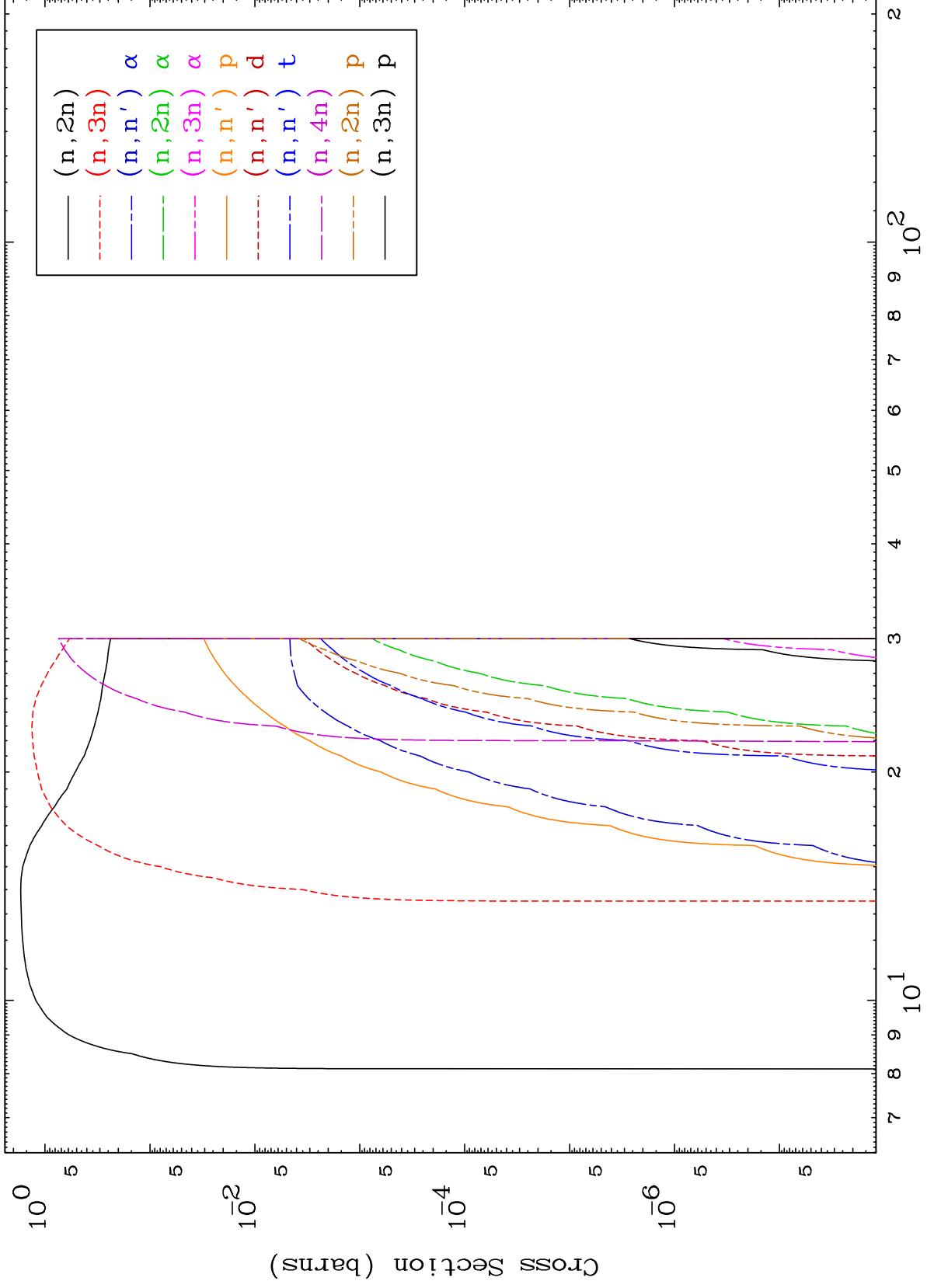
48-Cd-120

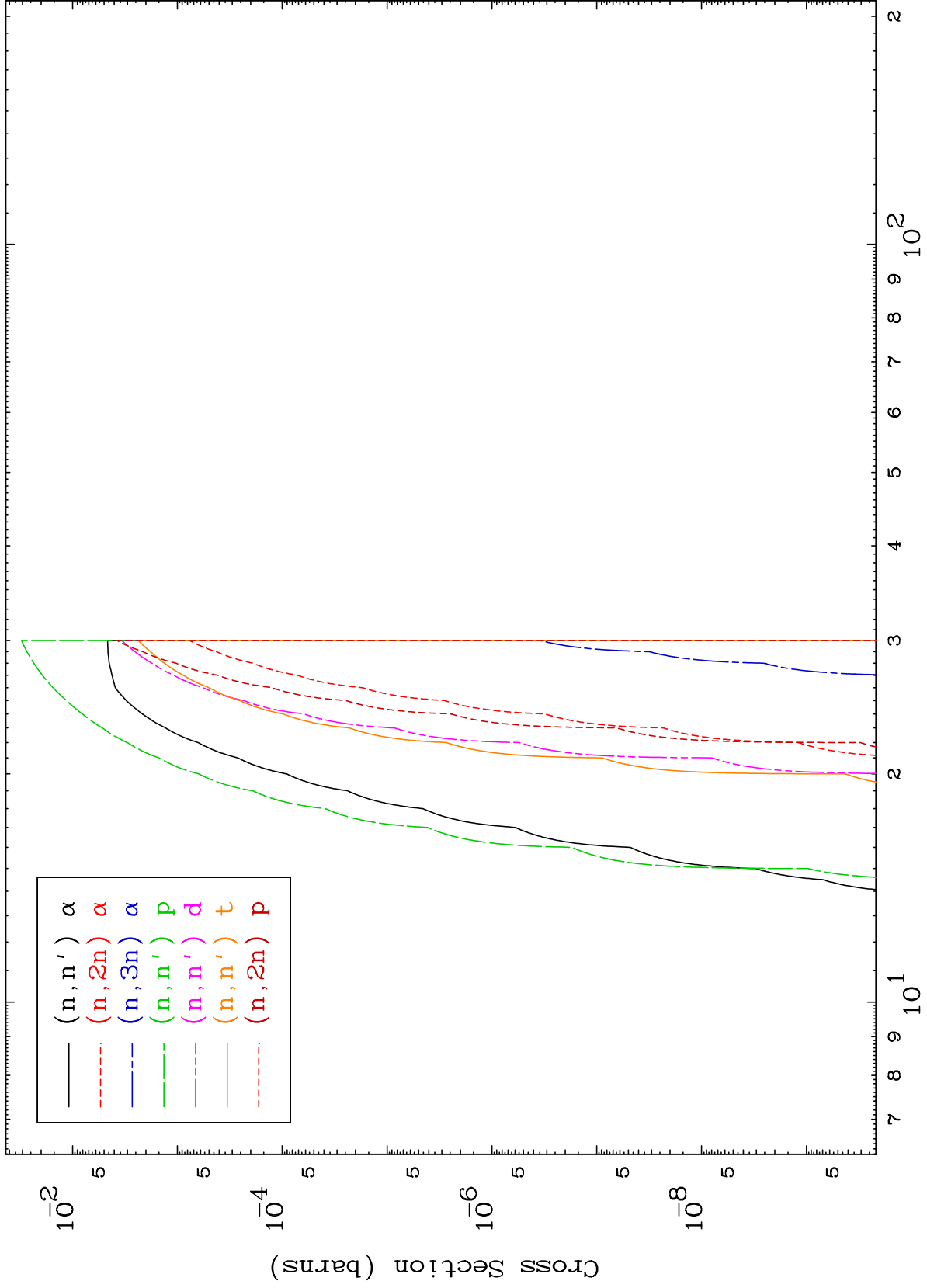


MAT 4867

Neutron Production  
293 Kelvin Cross Sections

48-Cd-120

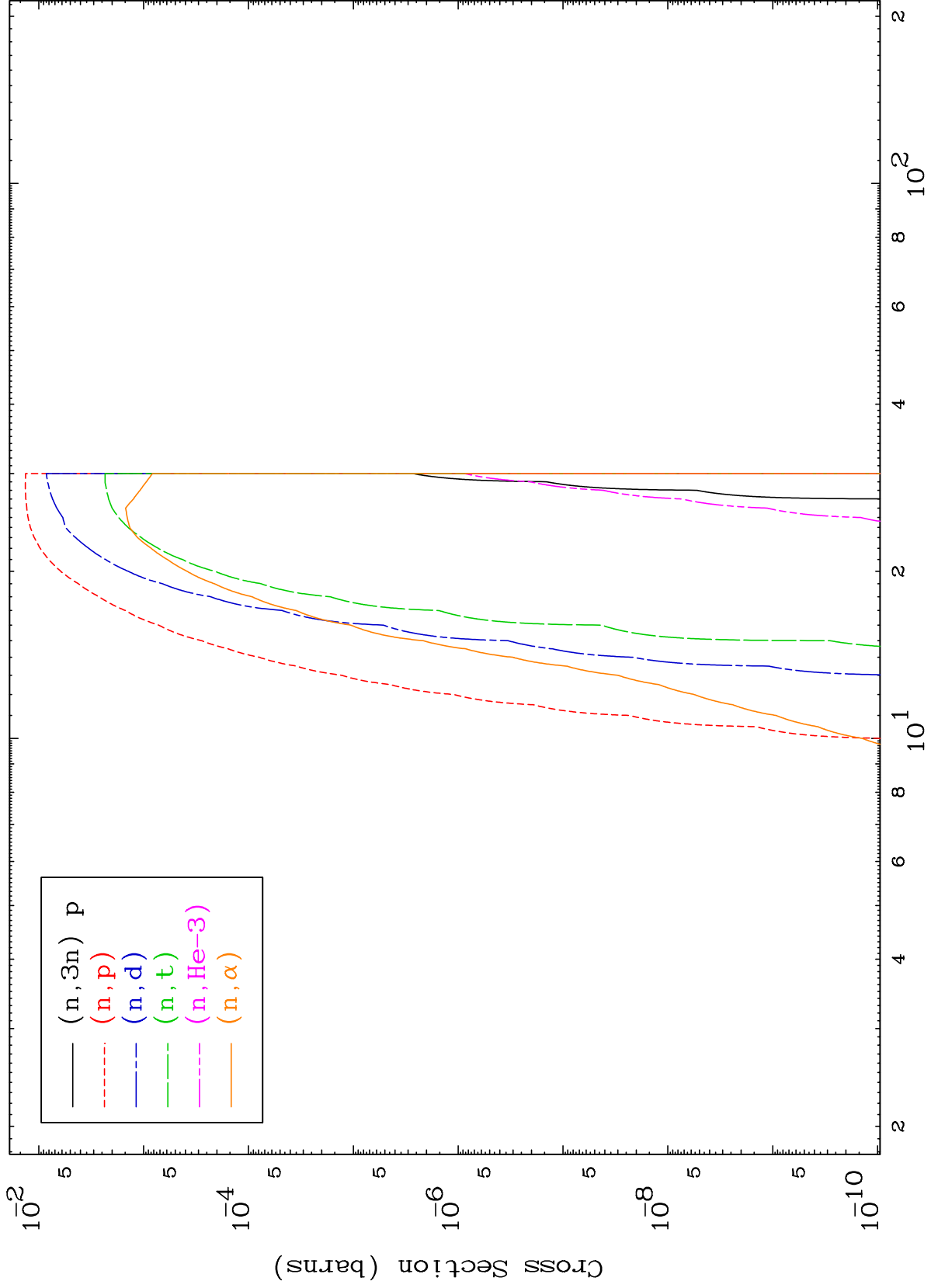




MAT 4867

Charged Particle  
293 Kelvin Cross Sections

48-Cd-120



4

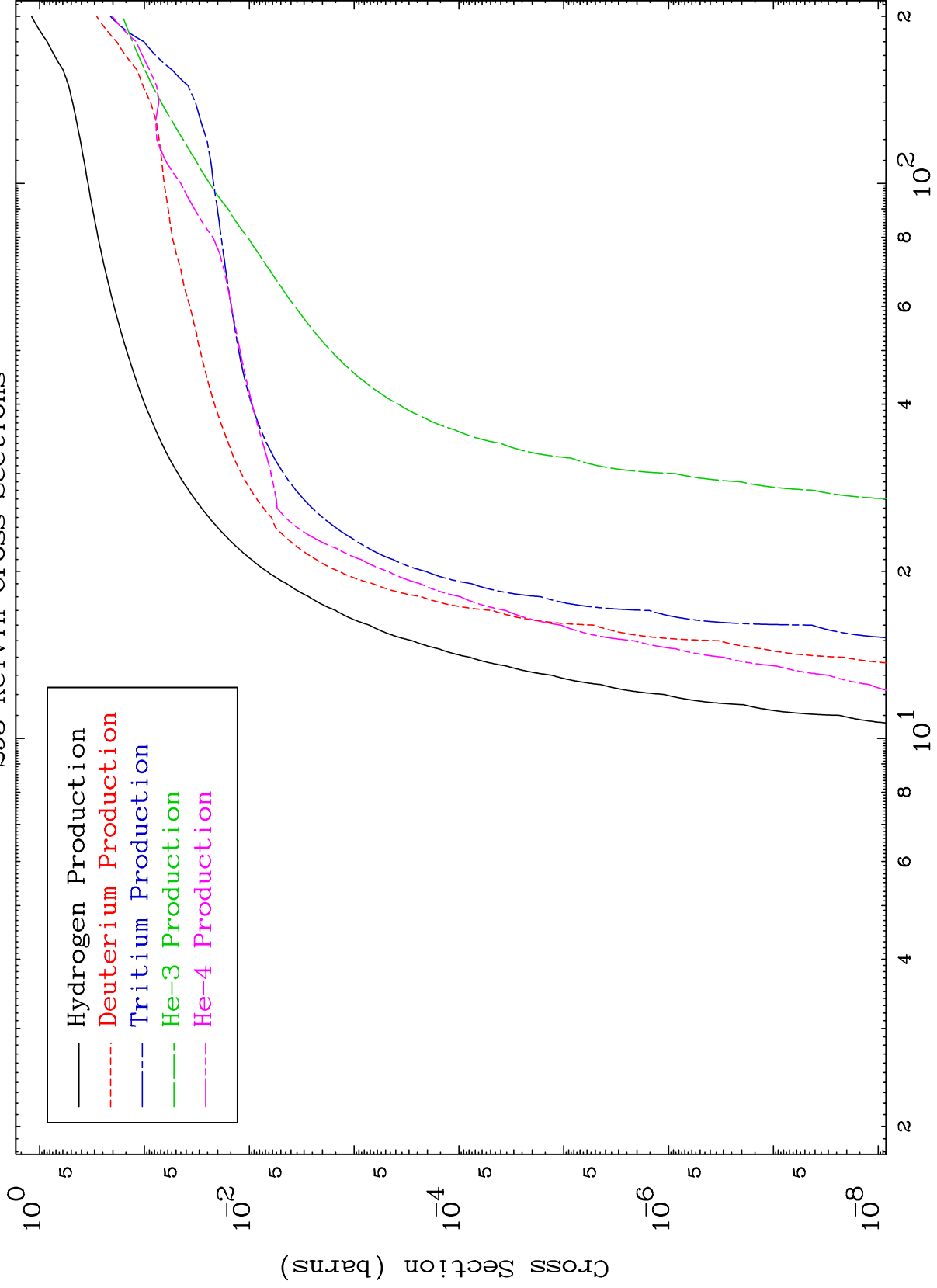
Incident Energy (MeV)

48-Cd-120

MAT 4867

Particle Production  
293 Kelvin Cross Sections

48-Cd-120



5

Incident Energy (MeV)

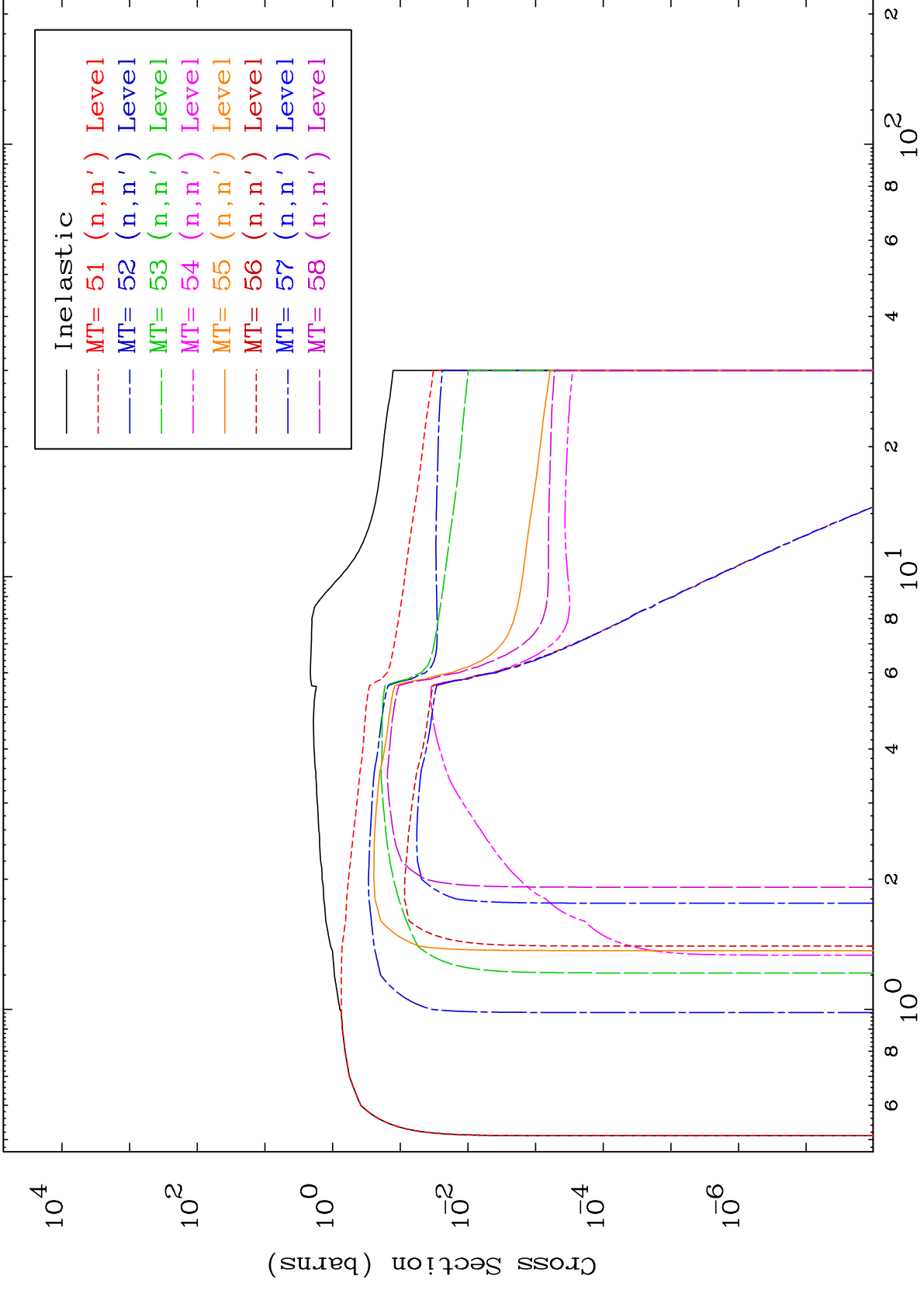
48-Cd-120

MAT 4867

(n,n') Level

48-Cd-120

293 Kelvin Cross Sections



6

Incident Energy (MeV)

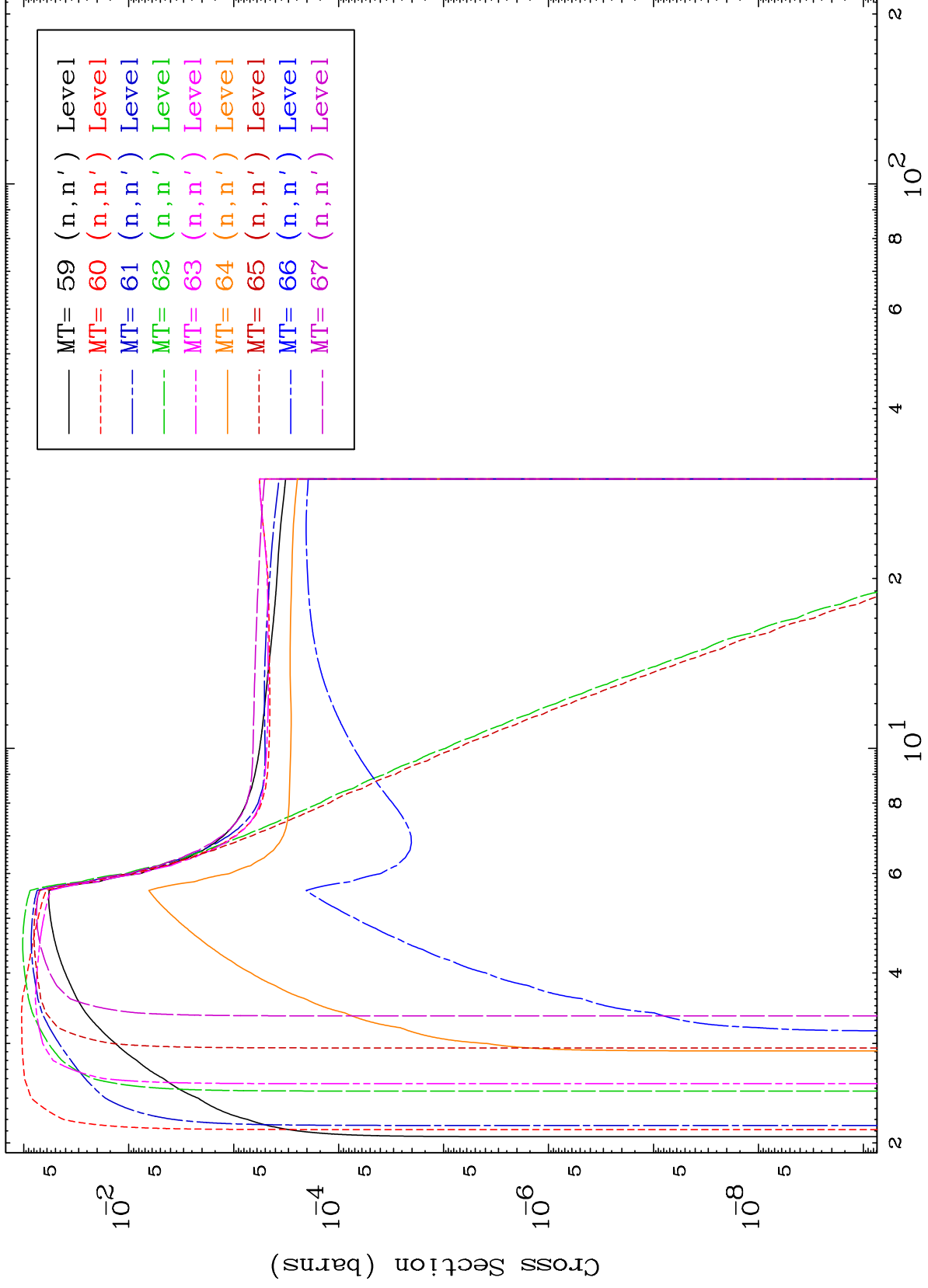
48-Cd-120

MAT 4867

(n,n') Level

48-Cd-120

293 Kelvin Cross Sections



7

Incident Energy (MeV)

48-Cd-120

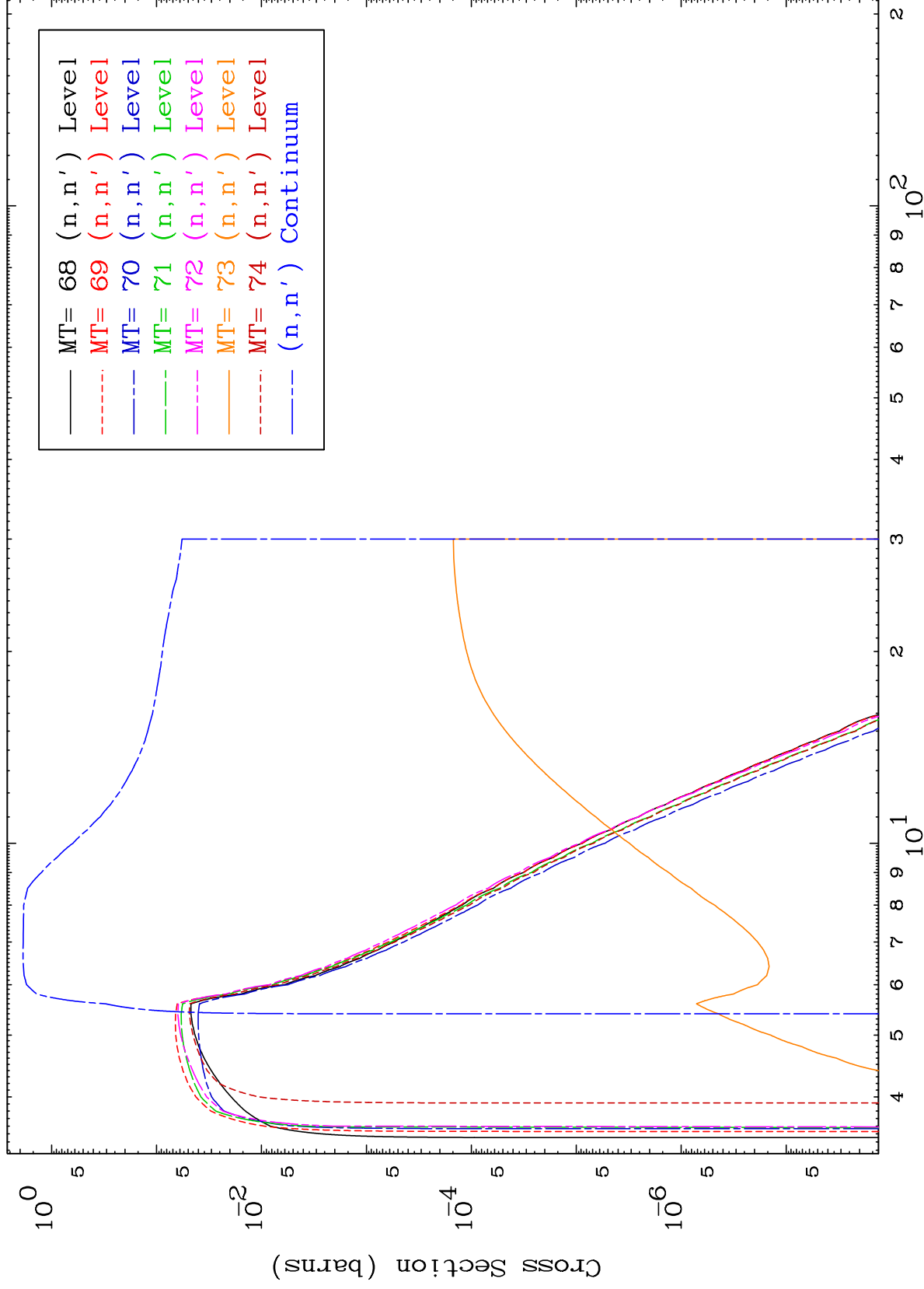


MAT 4867

(n,n') Level

293 Kelvin Cross Sections

48-Cd-120



8

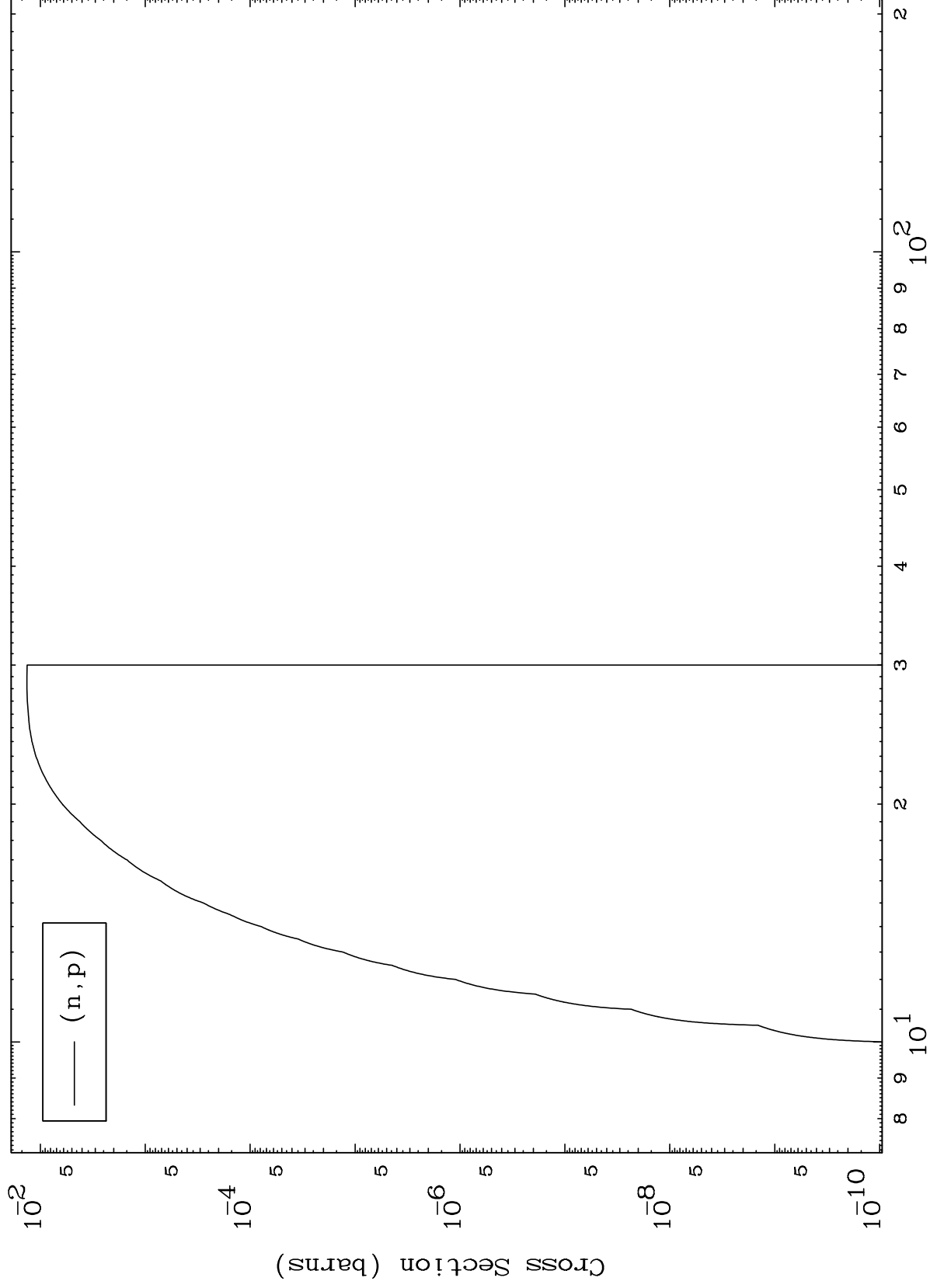
Incident Energy (MeV)

48-Cd-120

MAT 4867

(n,p) Levels  
293 Kelvin Cross Sections

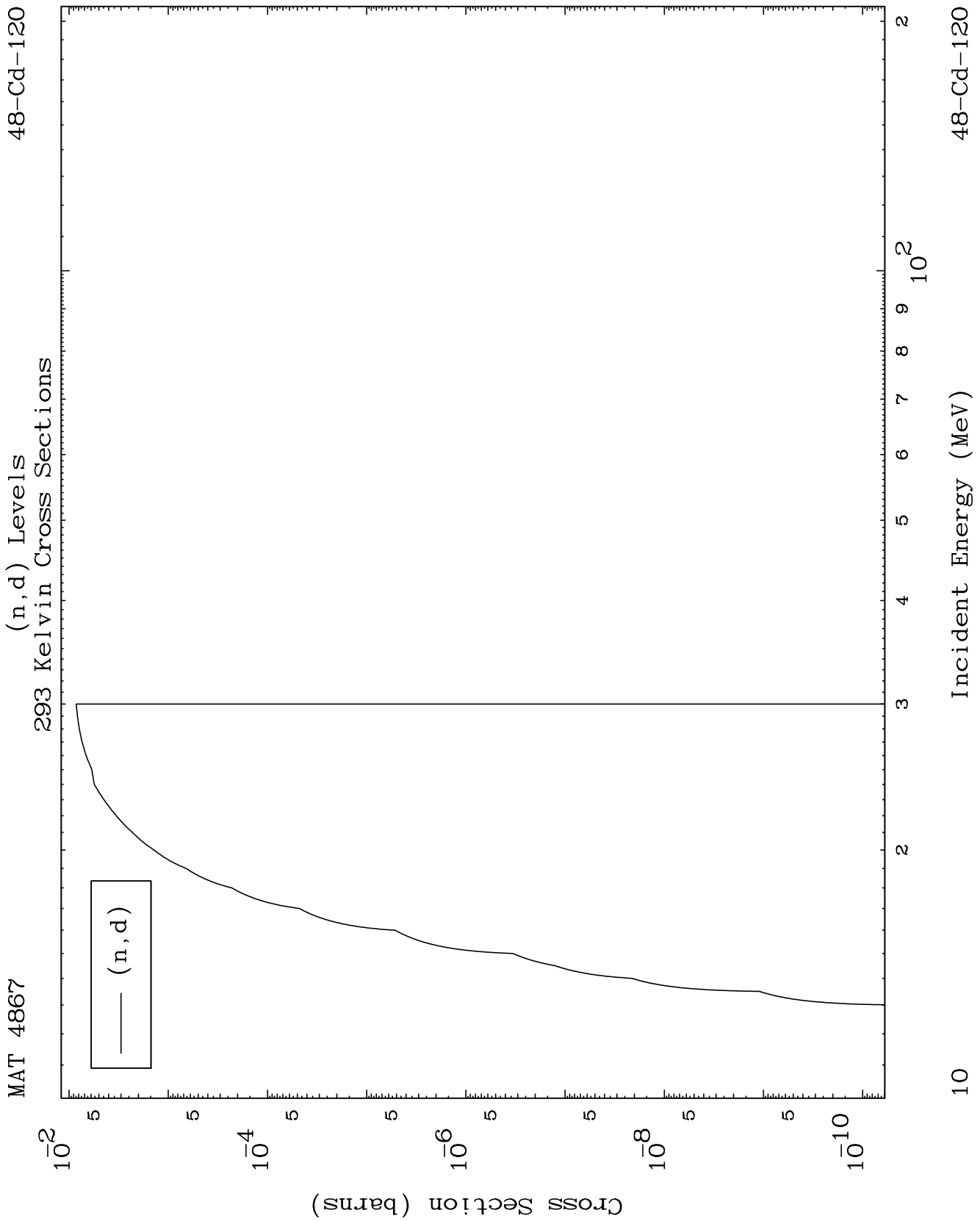
48-Cd-120



9

Incident Energy (MeV)

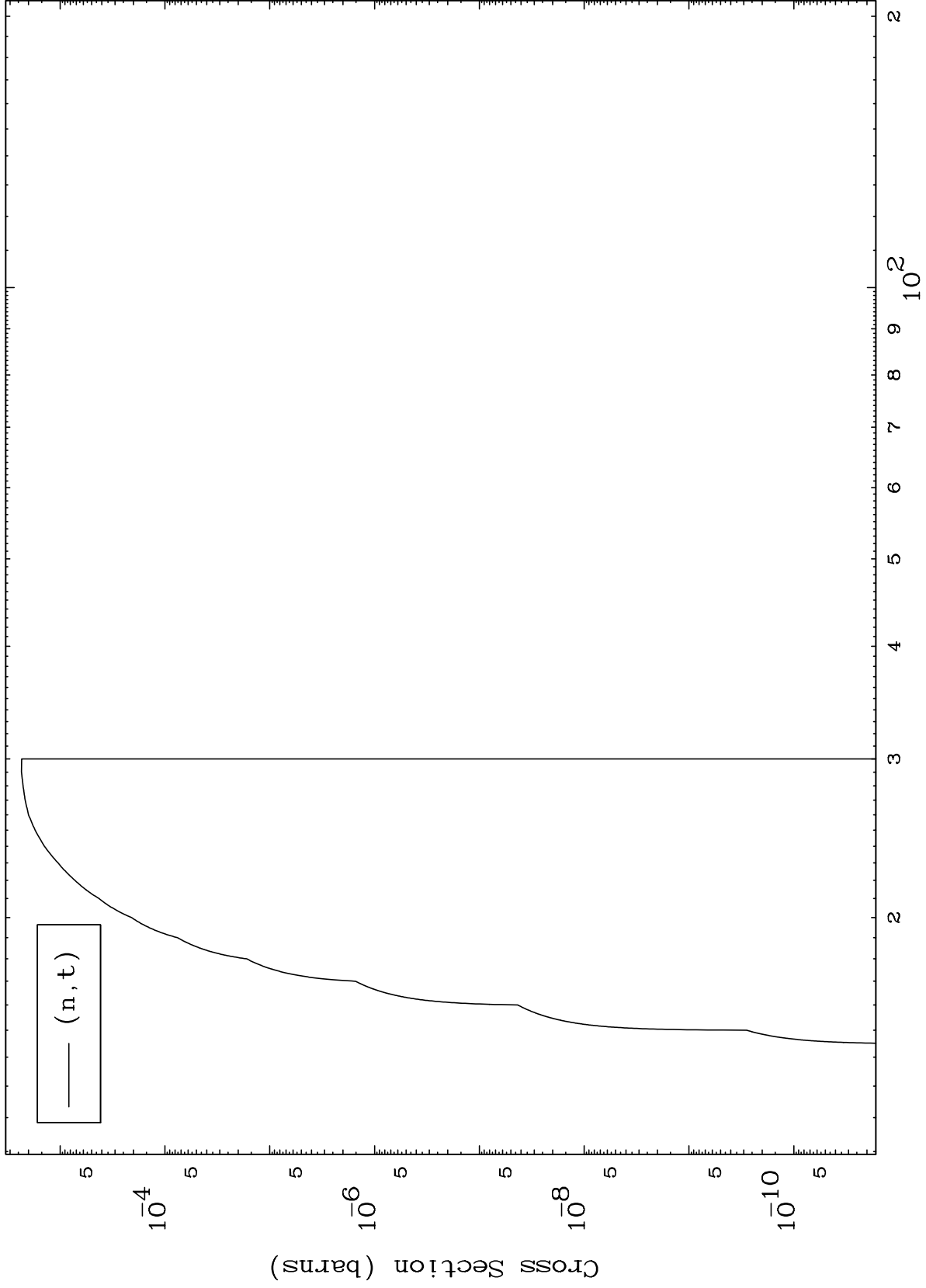
48-Cd-120



MAT 4867

(n,t) Levels  
293 Kelvin Cross Sections

48-Cd-120



11

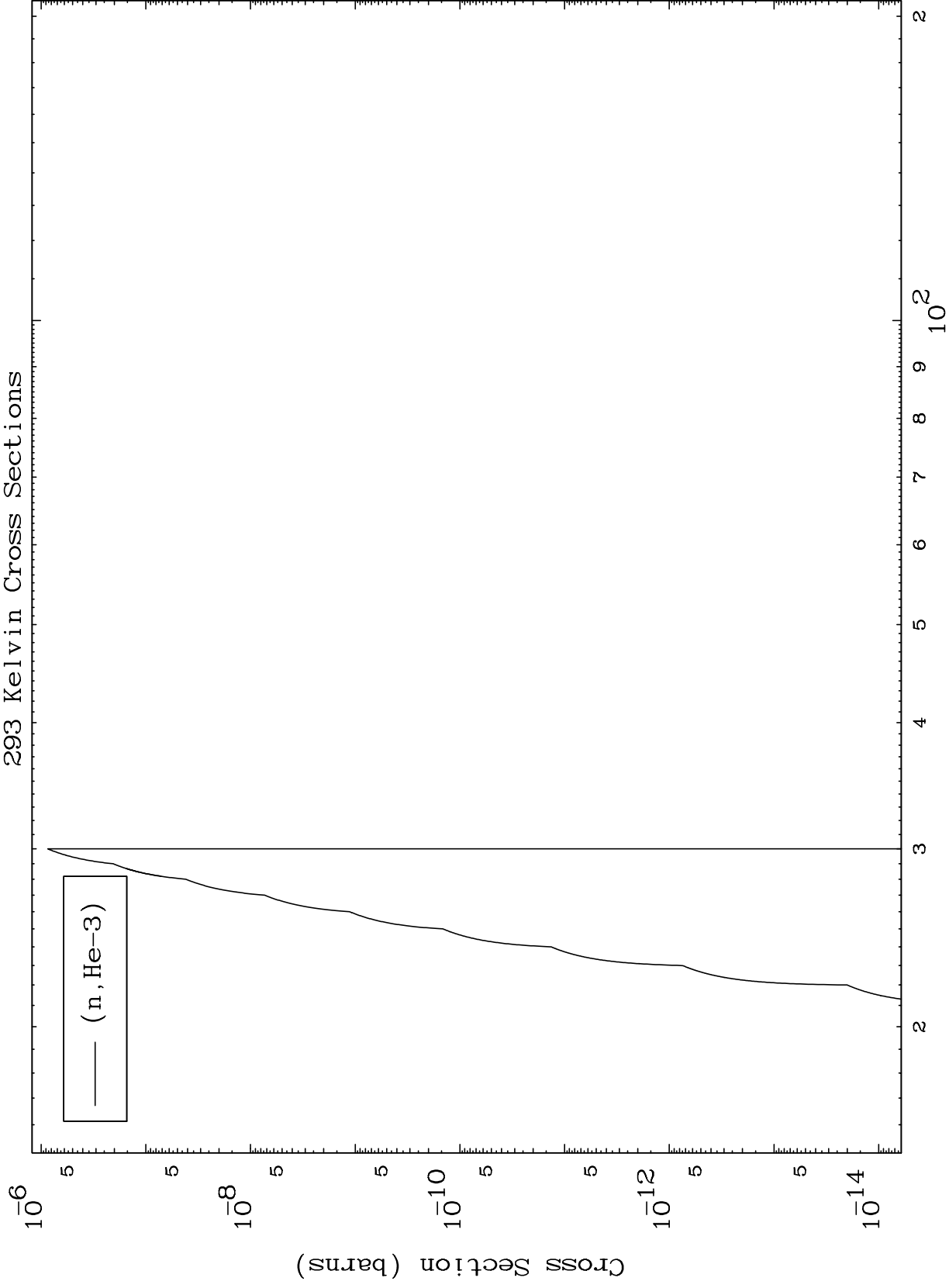
Incident Energy (MeV)

48-Cd-120

MAT 4867

(n,He3) Levels  
293 Kelvin Cross Sections

48-Cd-120



12

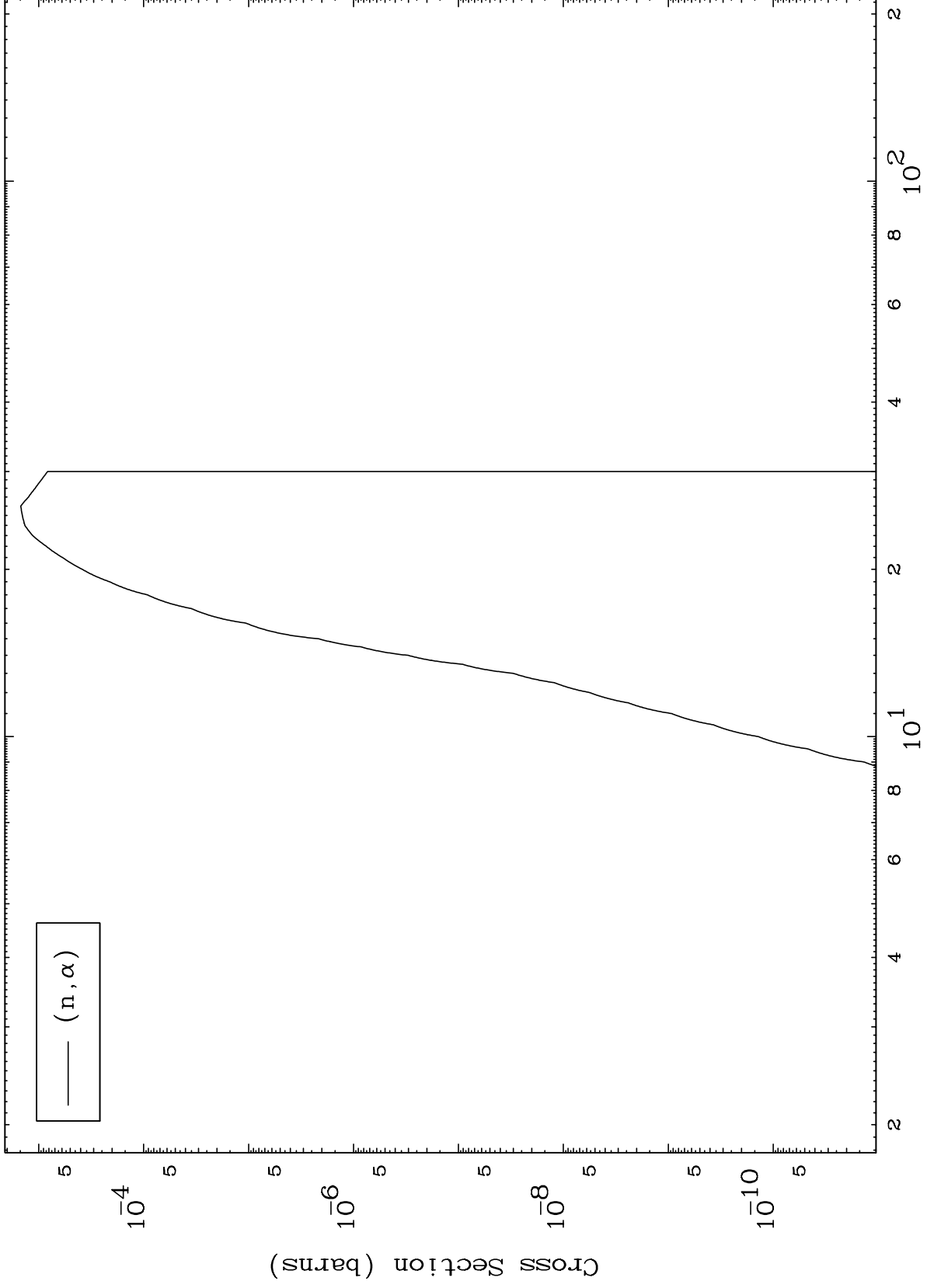
Incident Energy (MeV)

48-Cd-120

MAT 4867

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

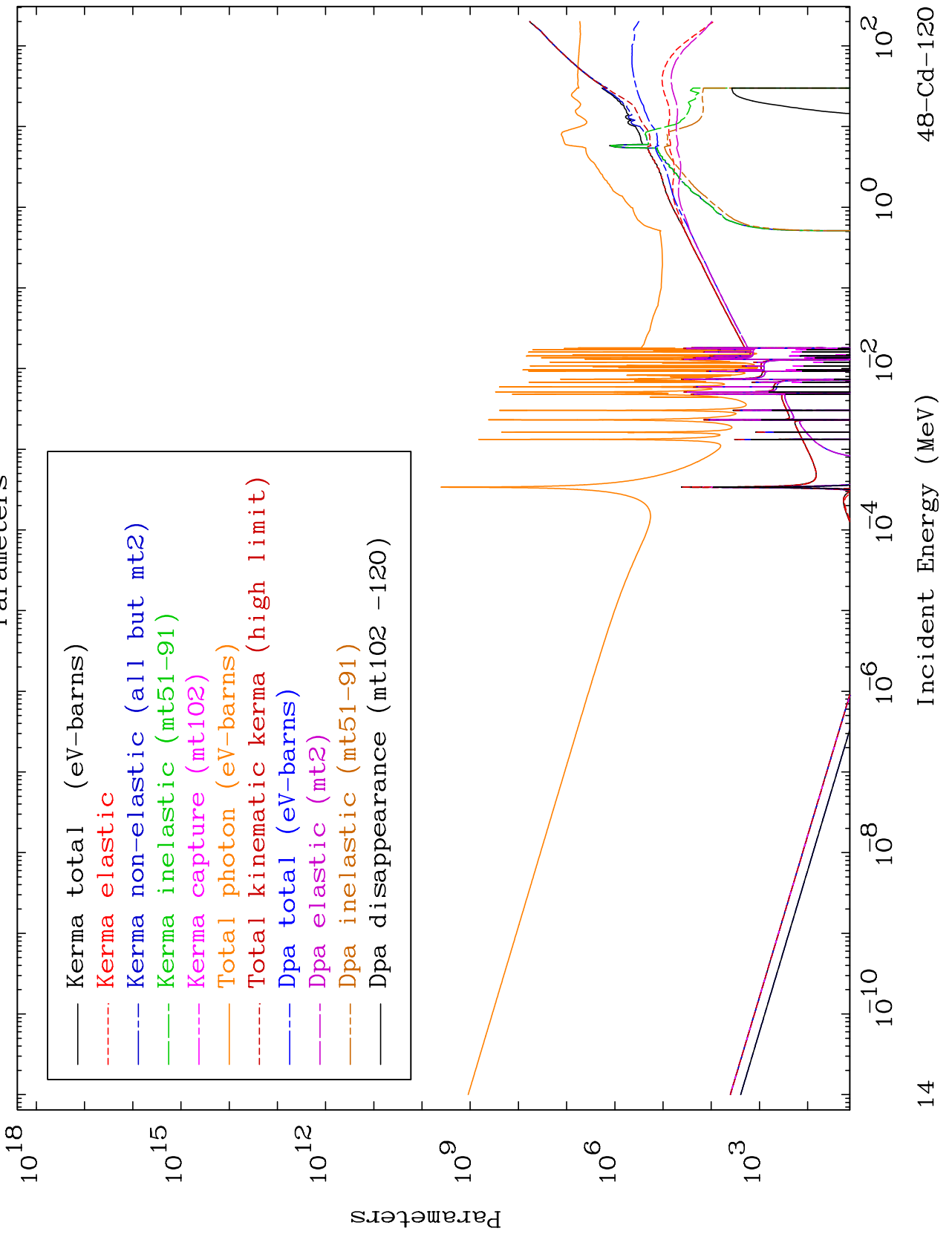
48-Cd-120



13

Incident Energy (MeV)

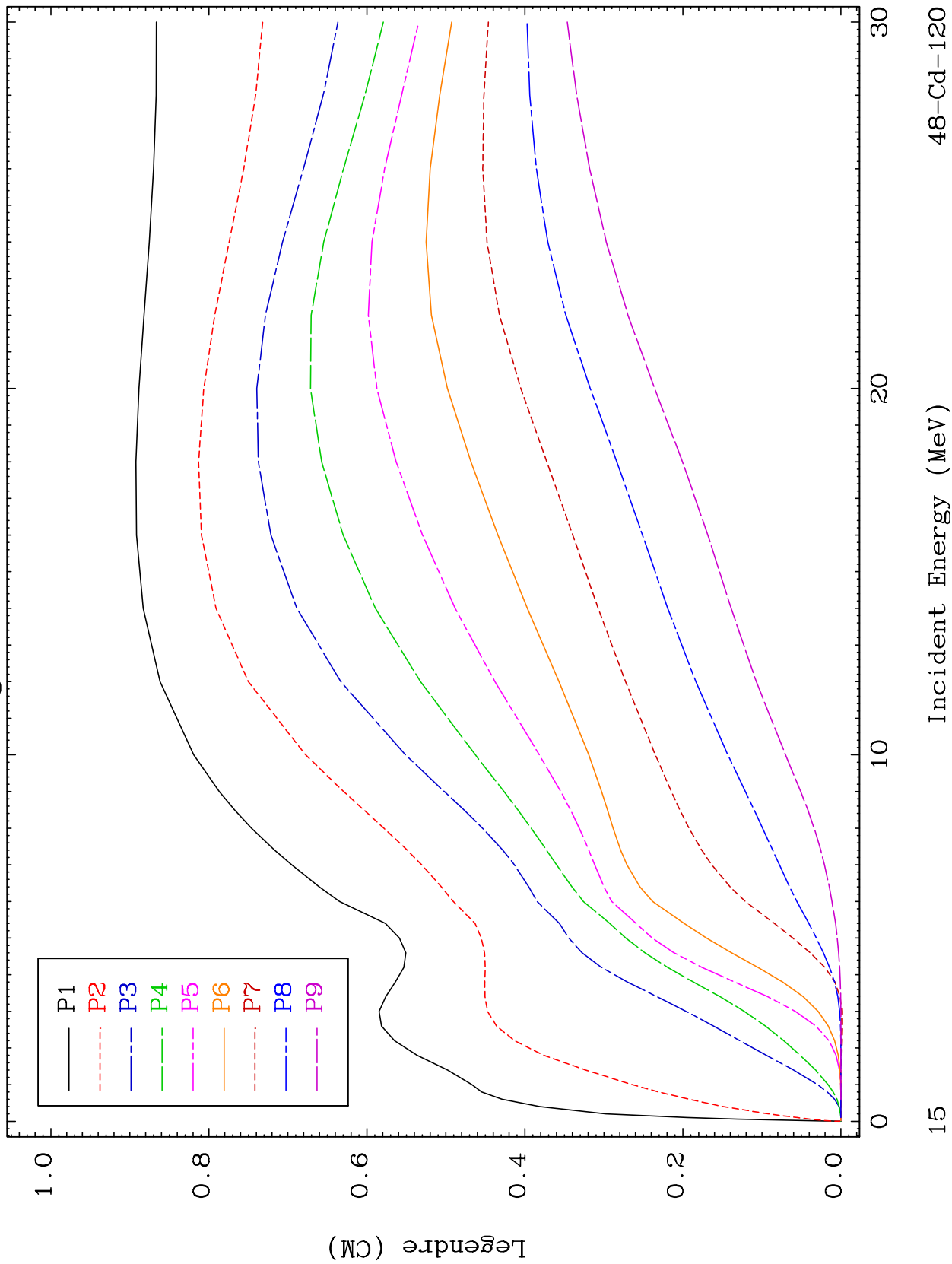
48-Cd-120



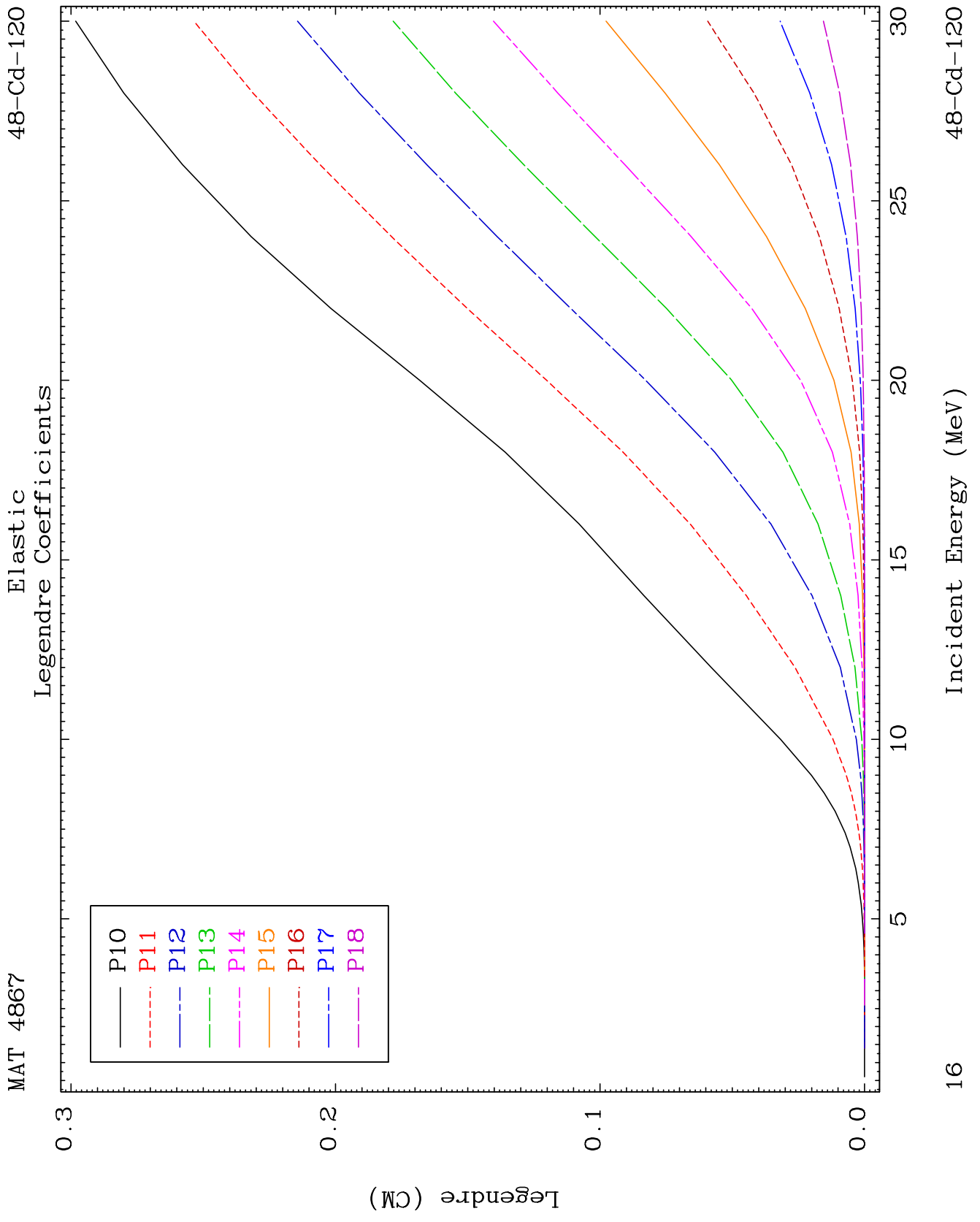
MAT 4867

Elastic Legendre Coefficients

48-Cd-120



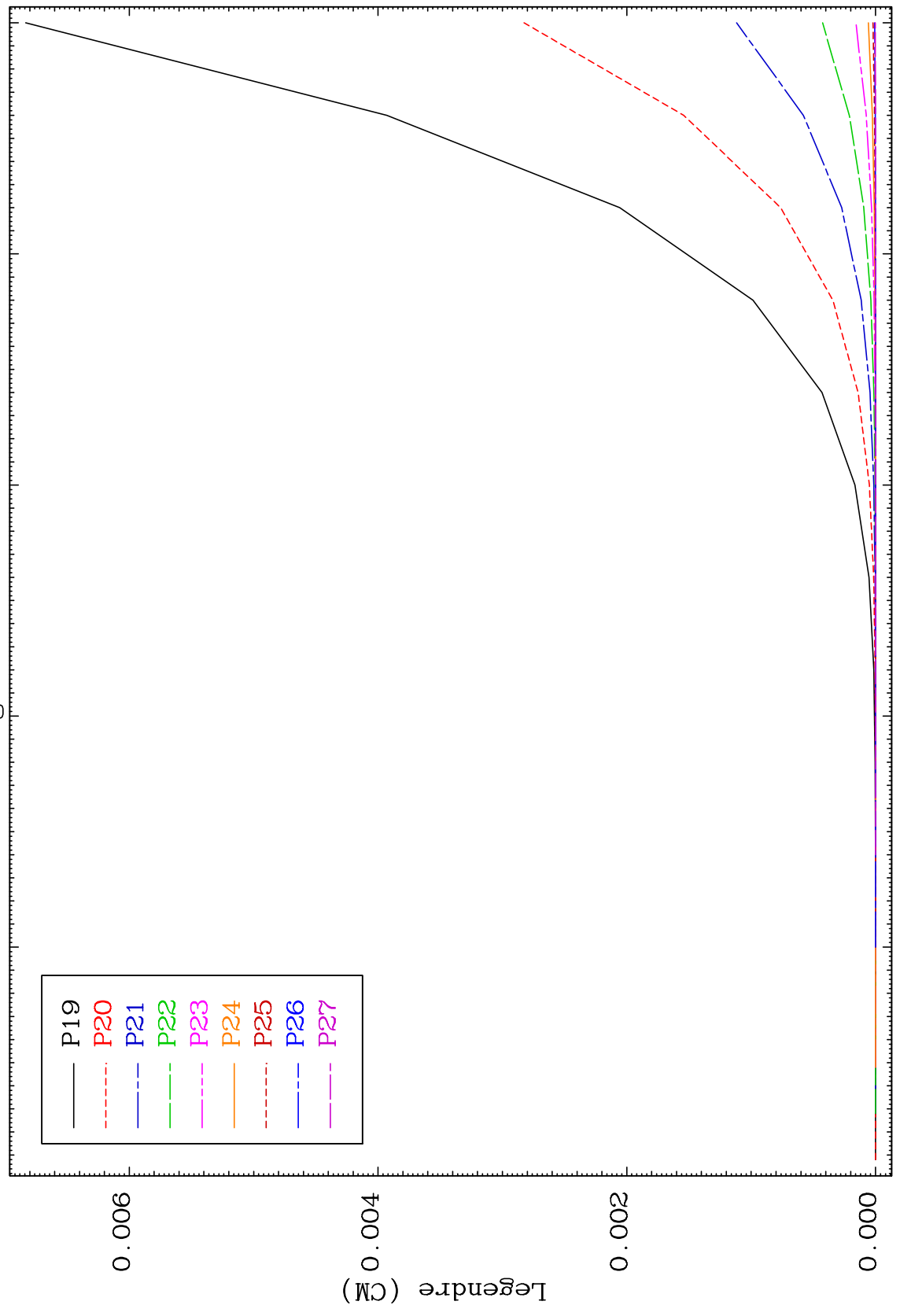




MAT 4867

Elastic Legendre Coefficients

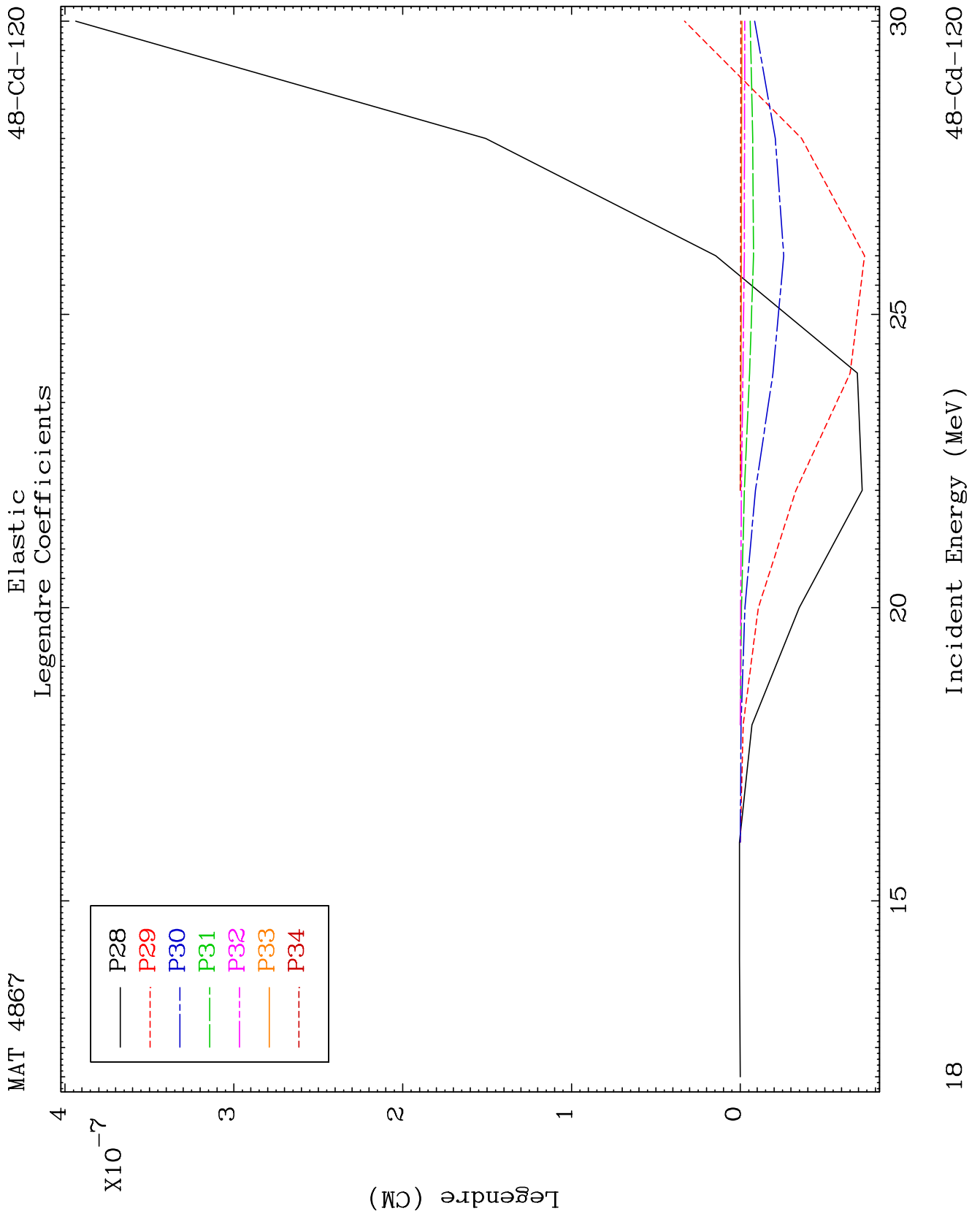
48-Cd-120



17

Incident Energy (MeV)

48-Cd-120

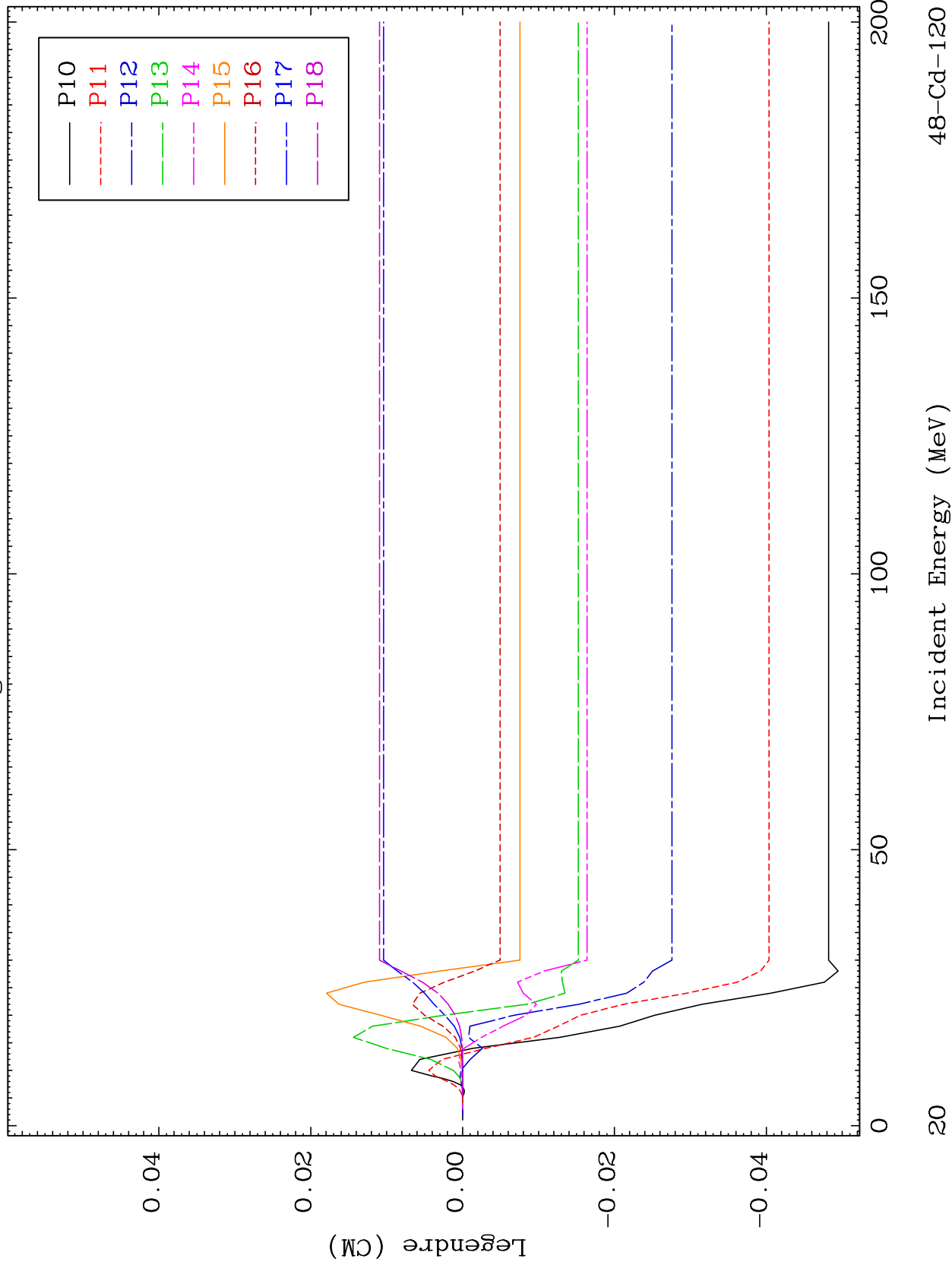




MAT 4867

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

48-Cd-120



48-Cd-120

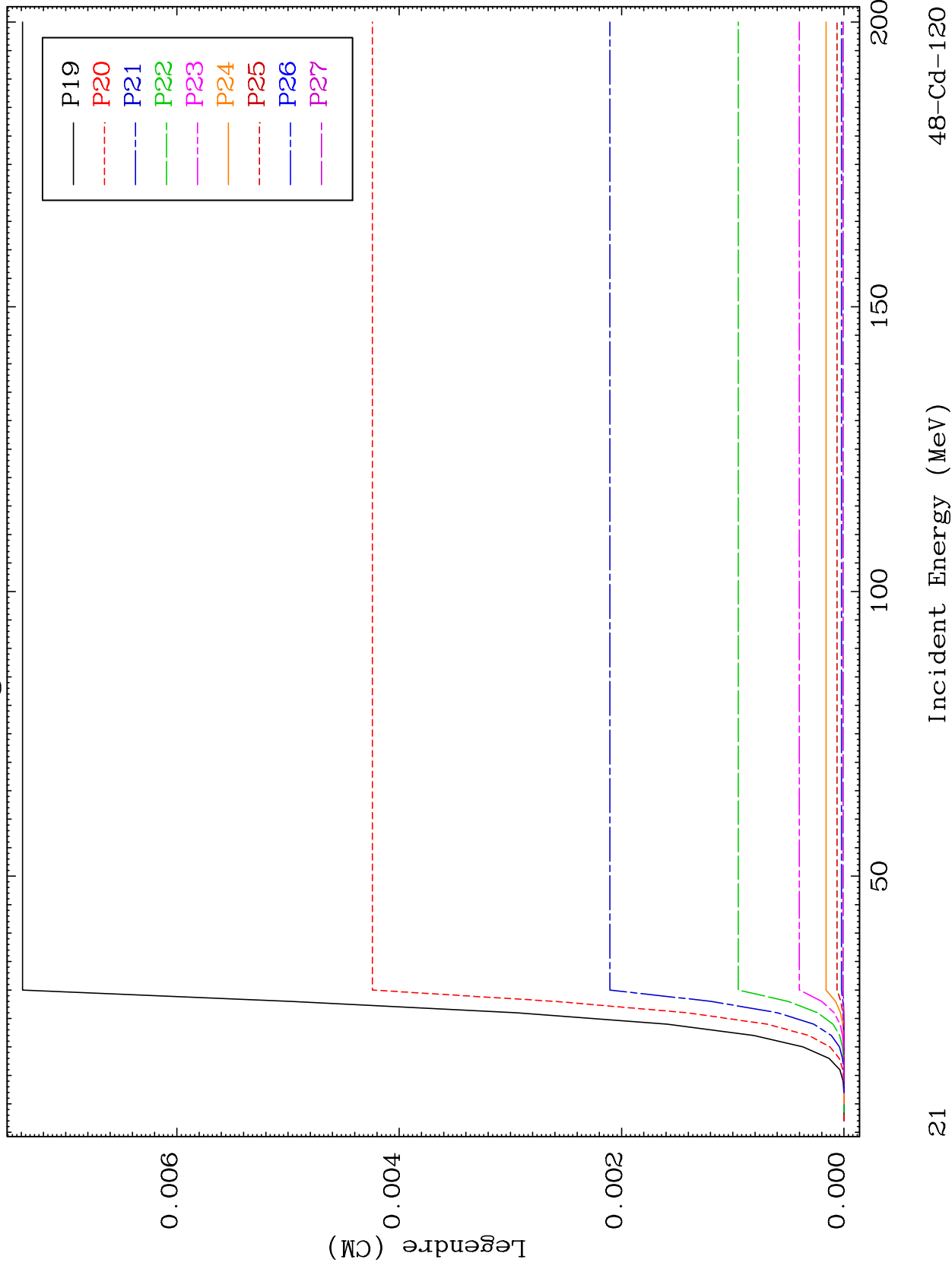
Incident Energy (MeV)

20

MAT 4867

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

48-Cd-120



21

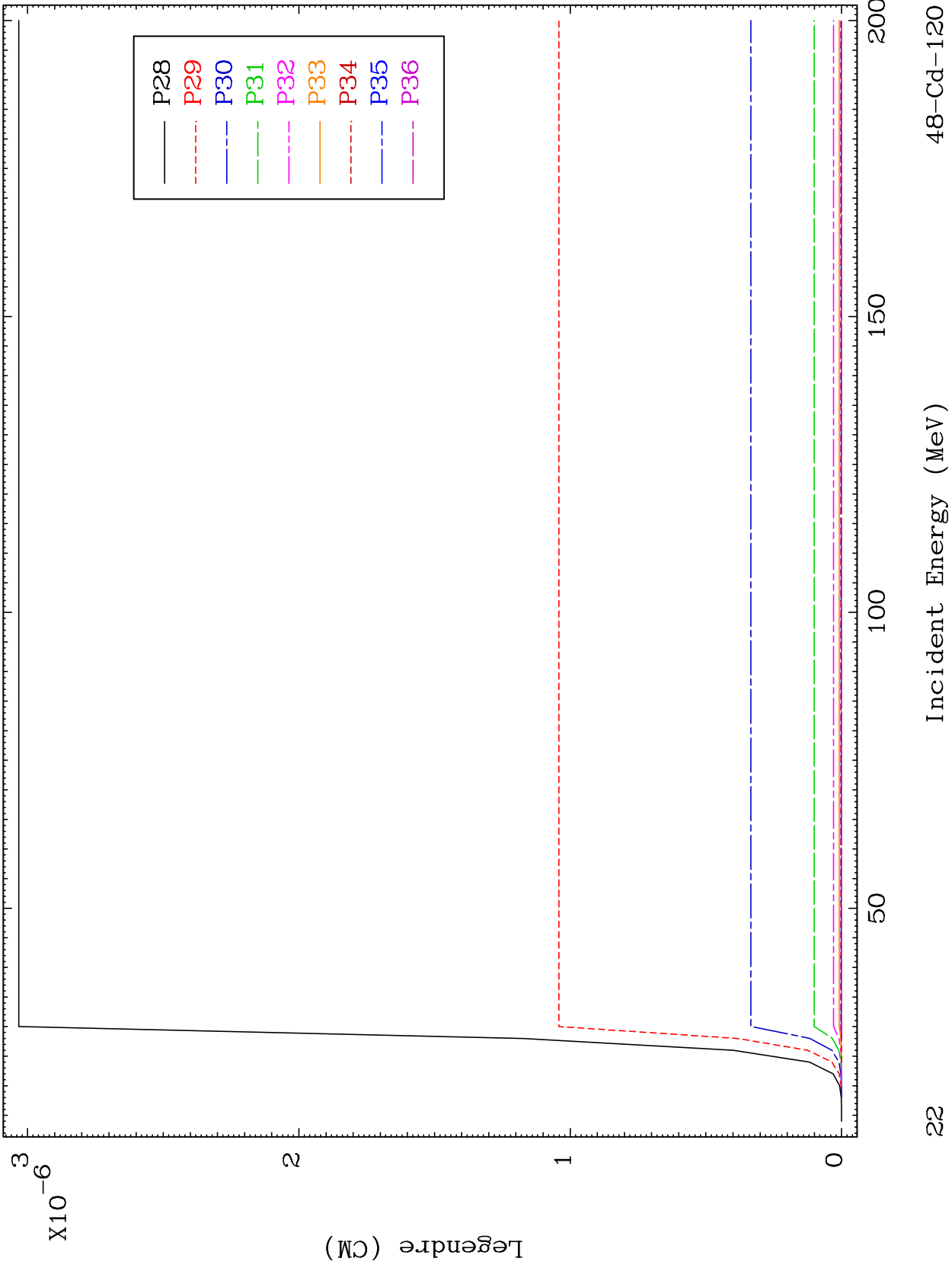
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120

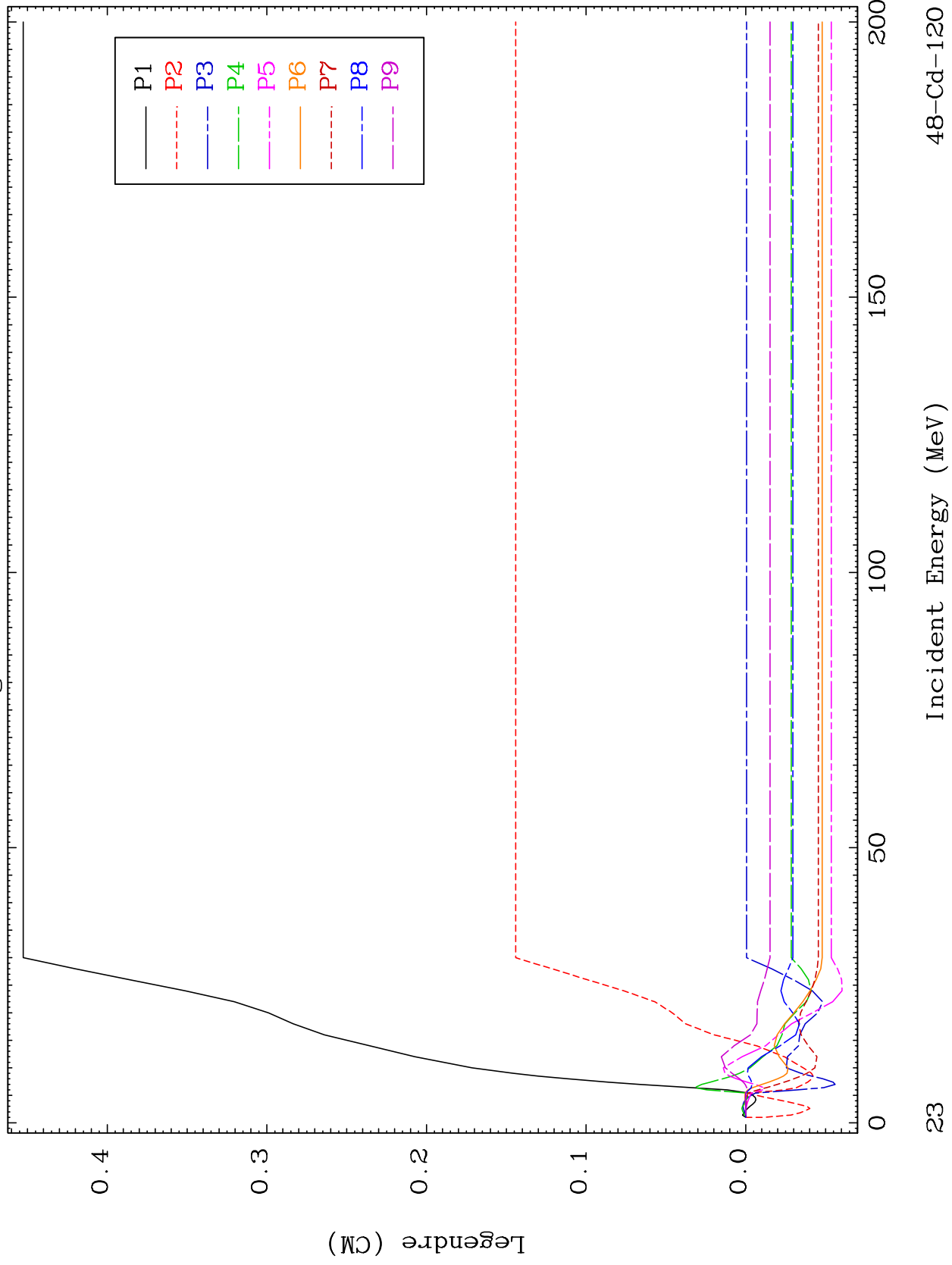


22

MAT 4867

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

48-Cd-120



23

Incident Energy (MeV)

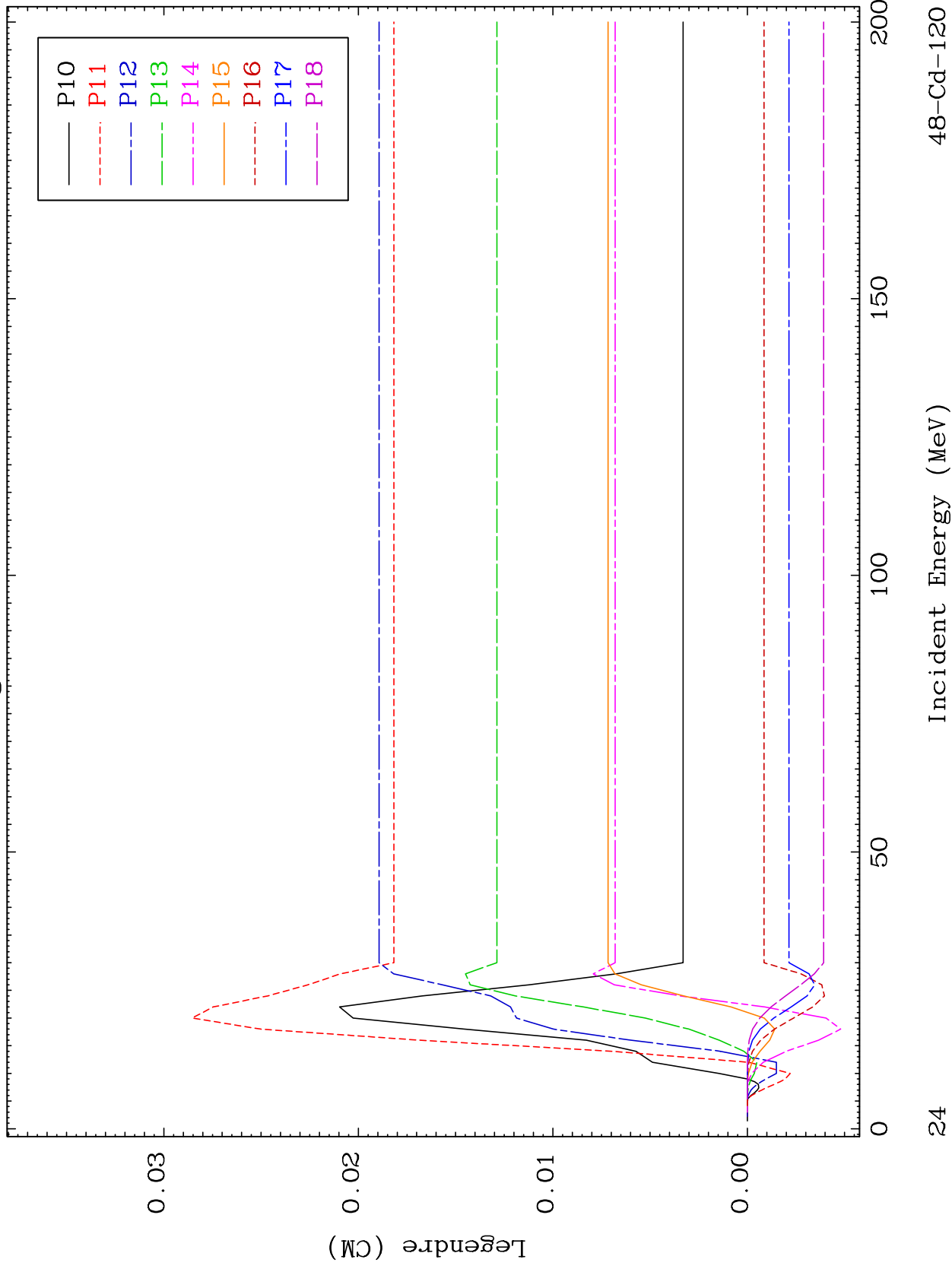
48-Cd-120



MAT 4867

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

48-Cd-120



24

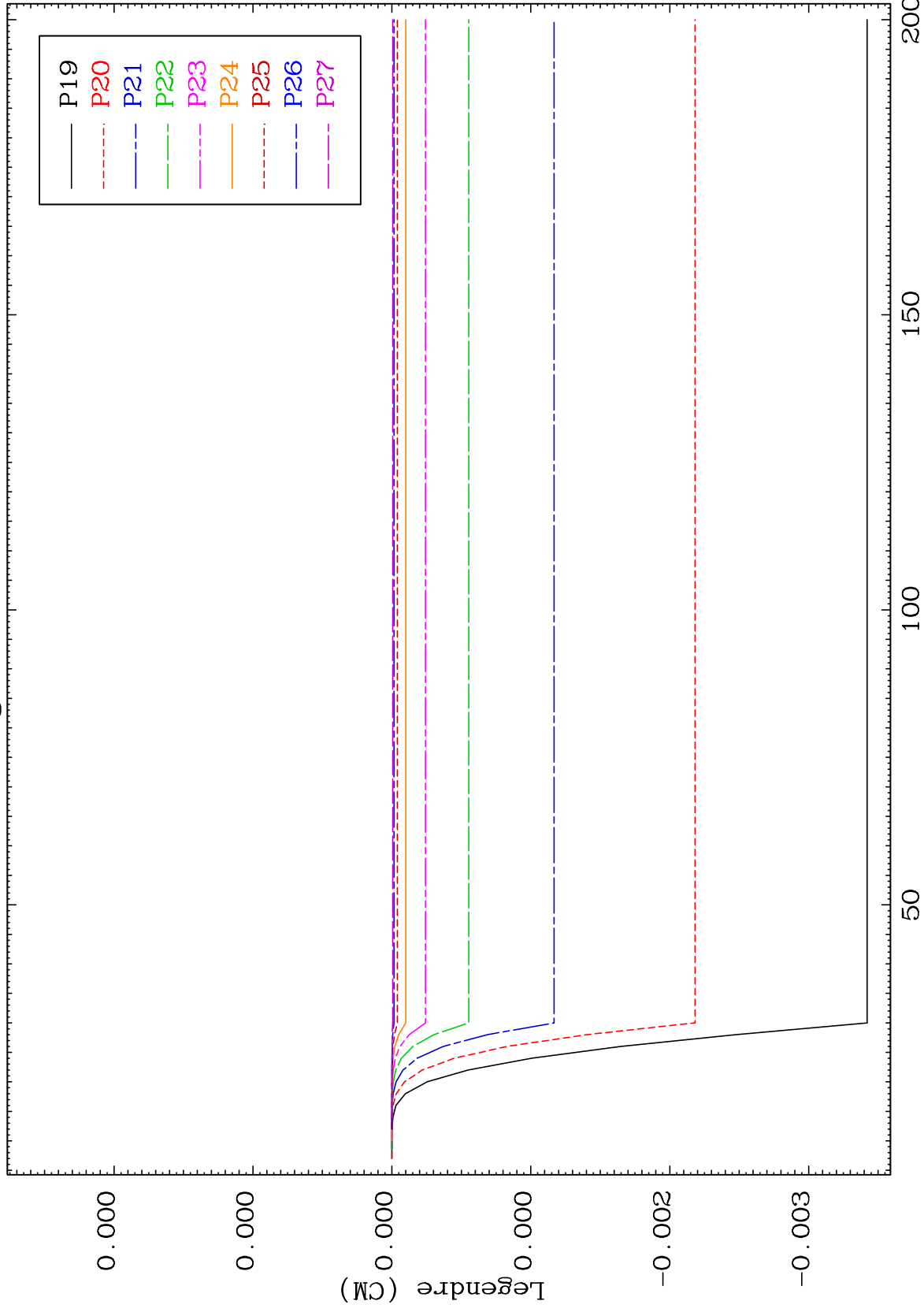
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

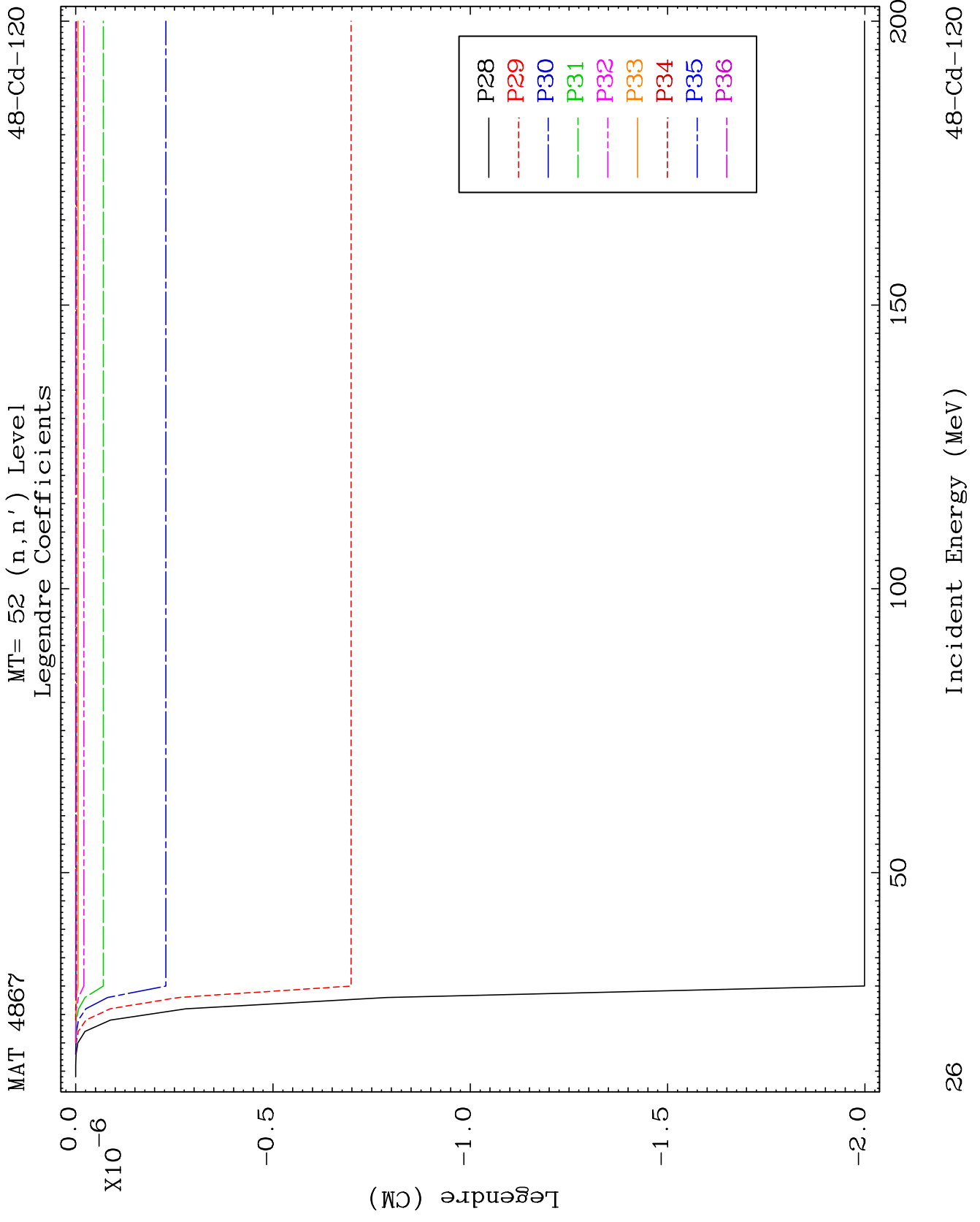
48-Cd-120



25

Incident Energy (MeV)

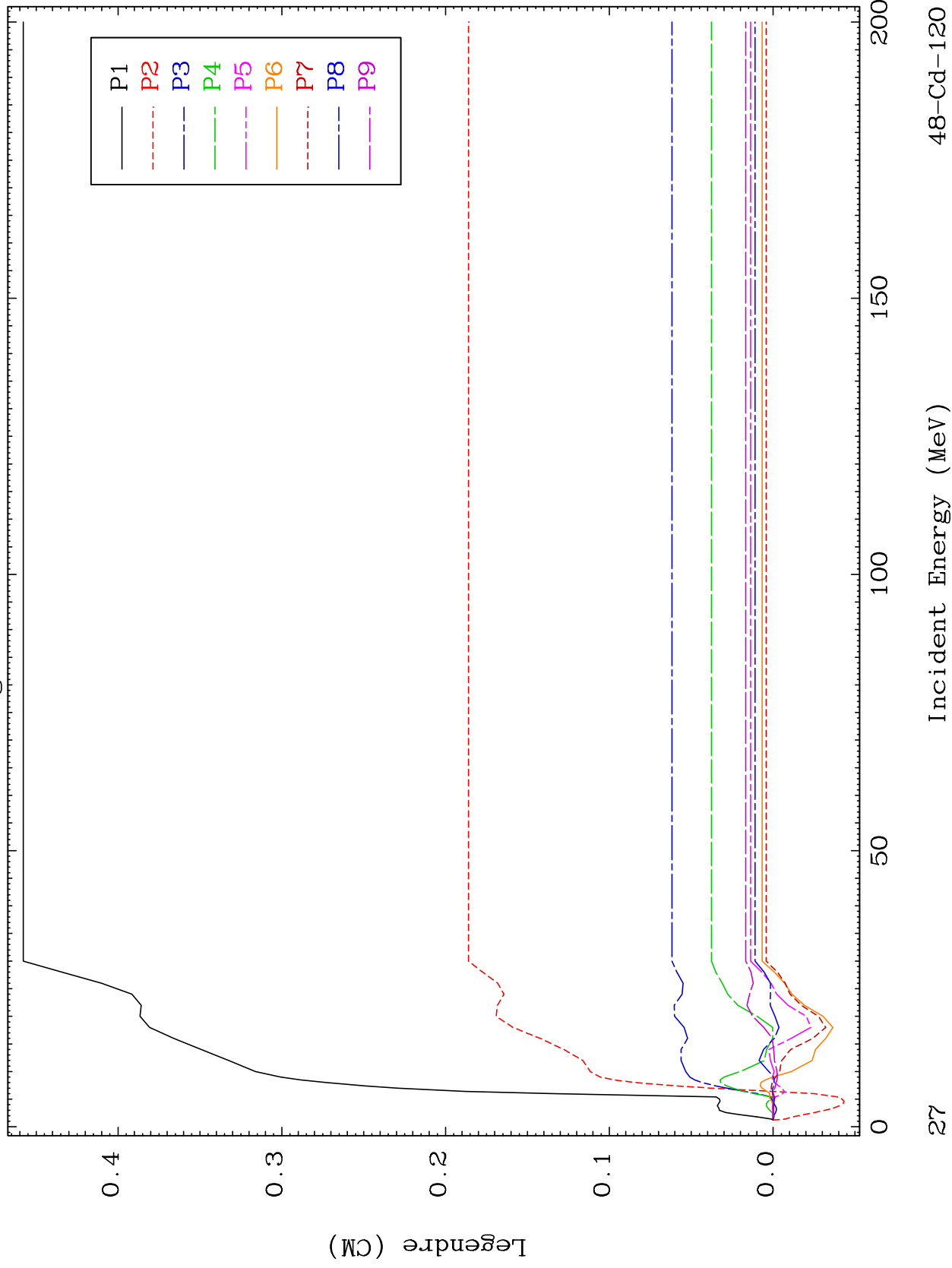
48-Cd-120



MAT 4867

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

48-Cd-120



48-Cd-120

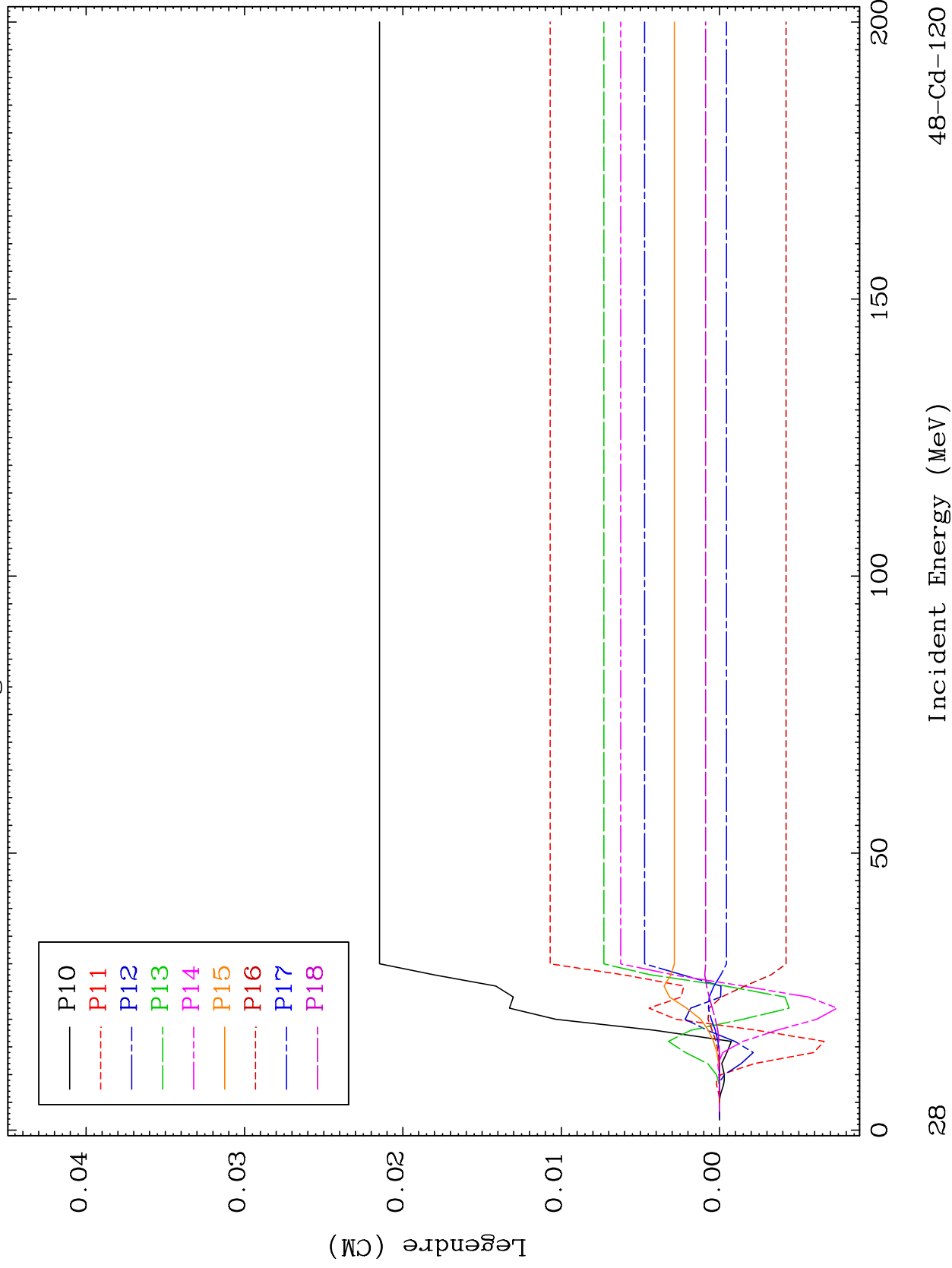
Incident Energy (MeV)

27

MAT 4867

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

48-Cd-120



48-Cd-120

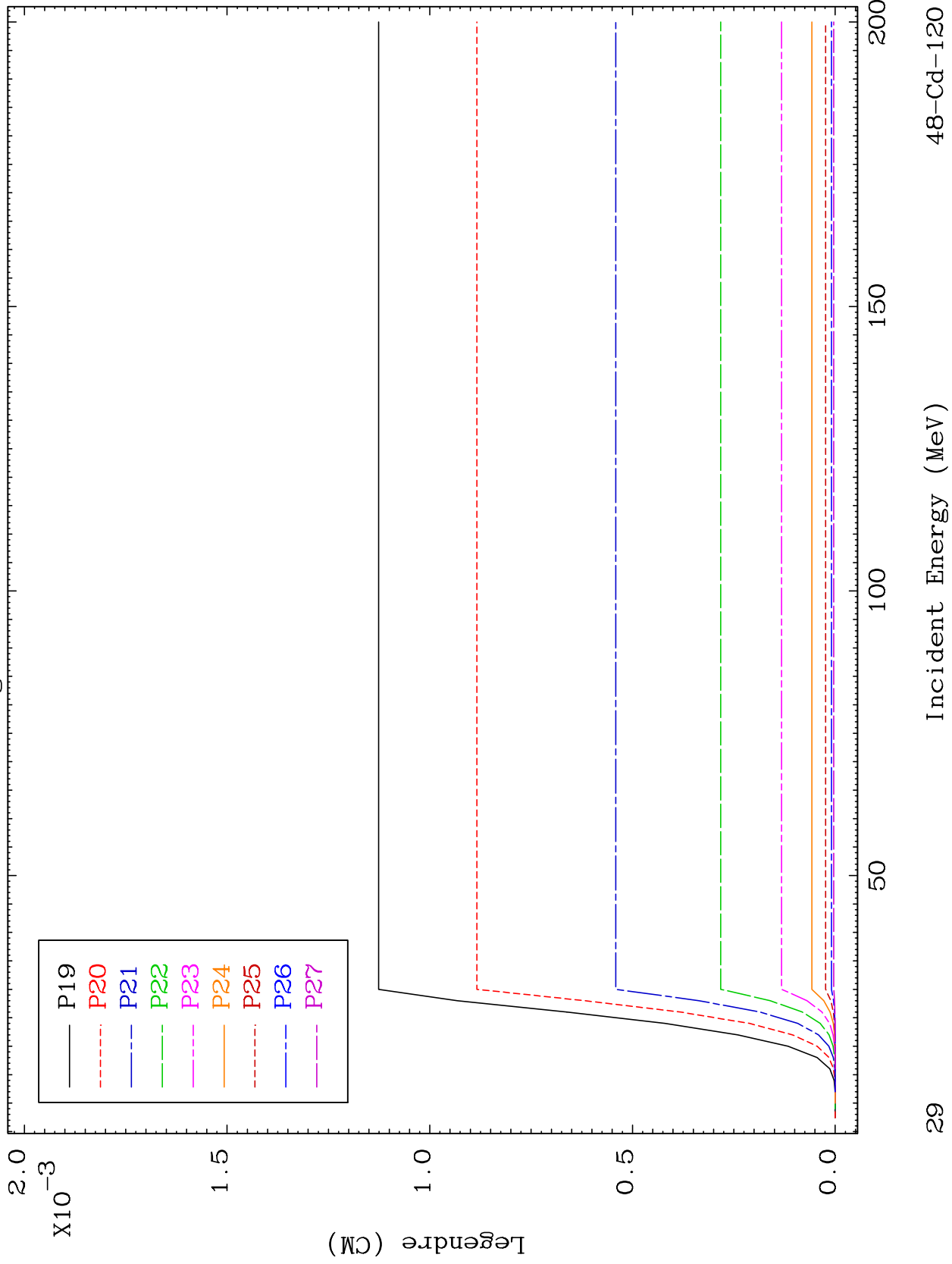
Incident Energy (MeV)

28

MAT 4867

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

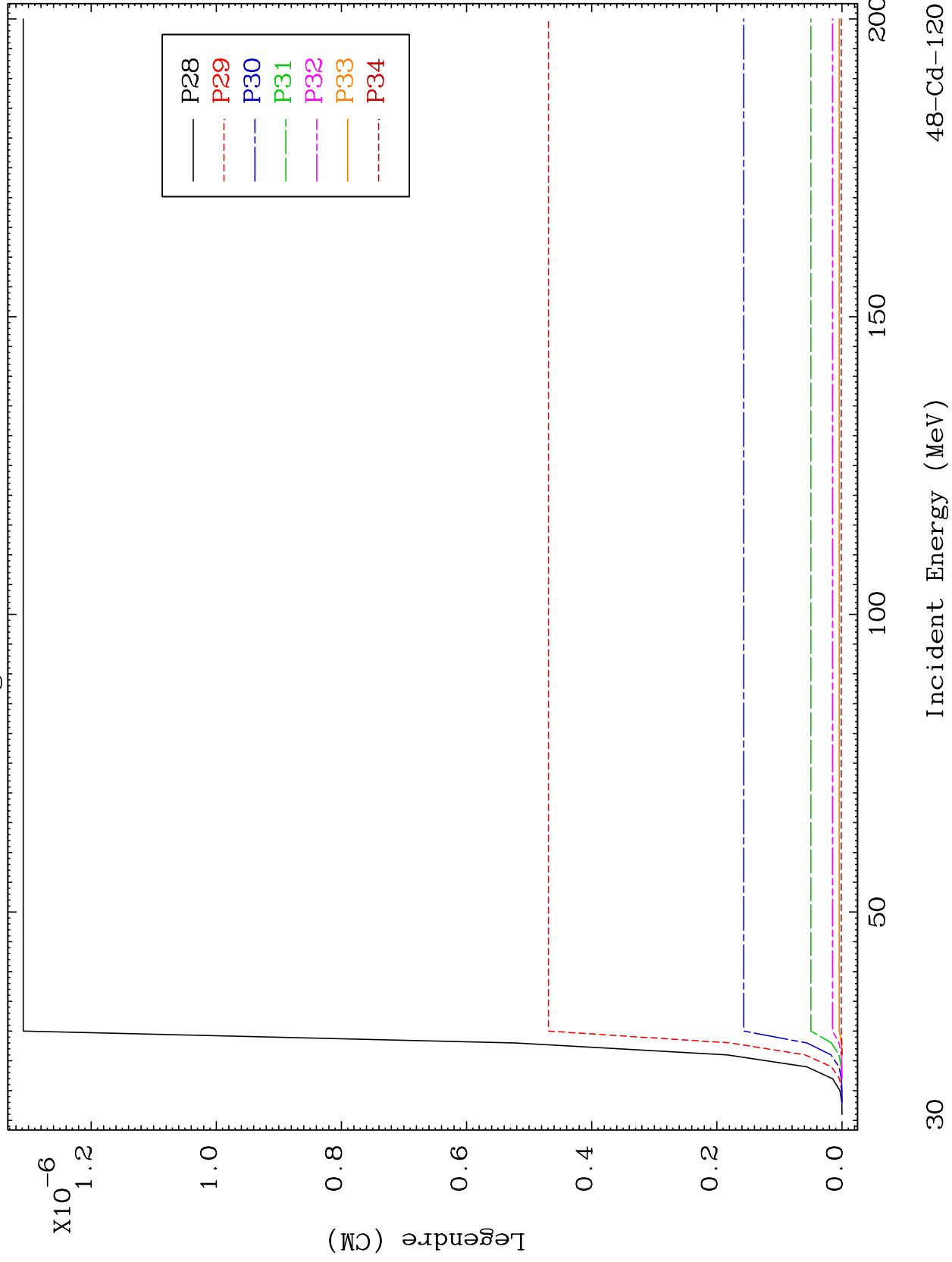
48-Cd-120



MAT 4867

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

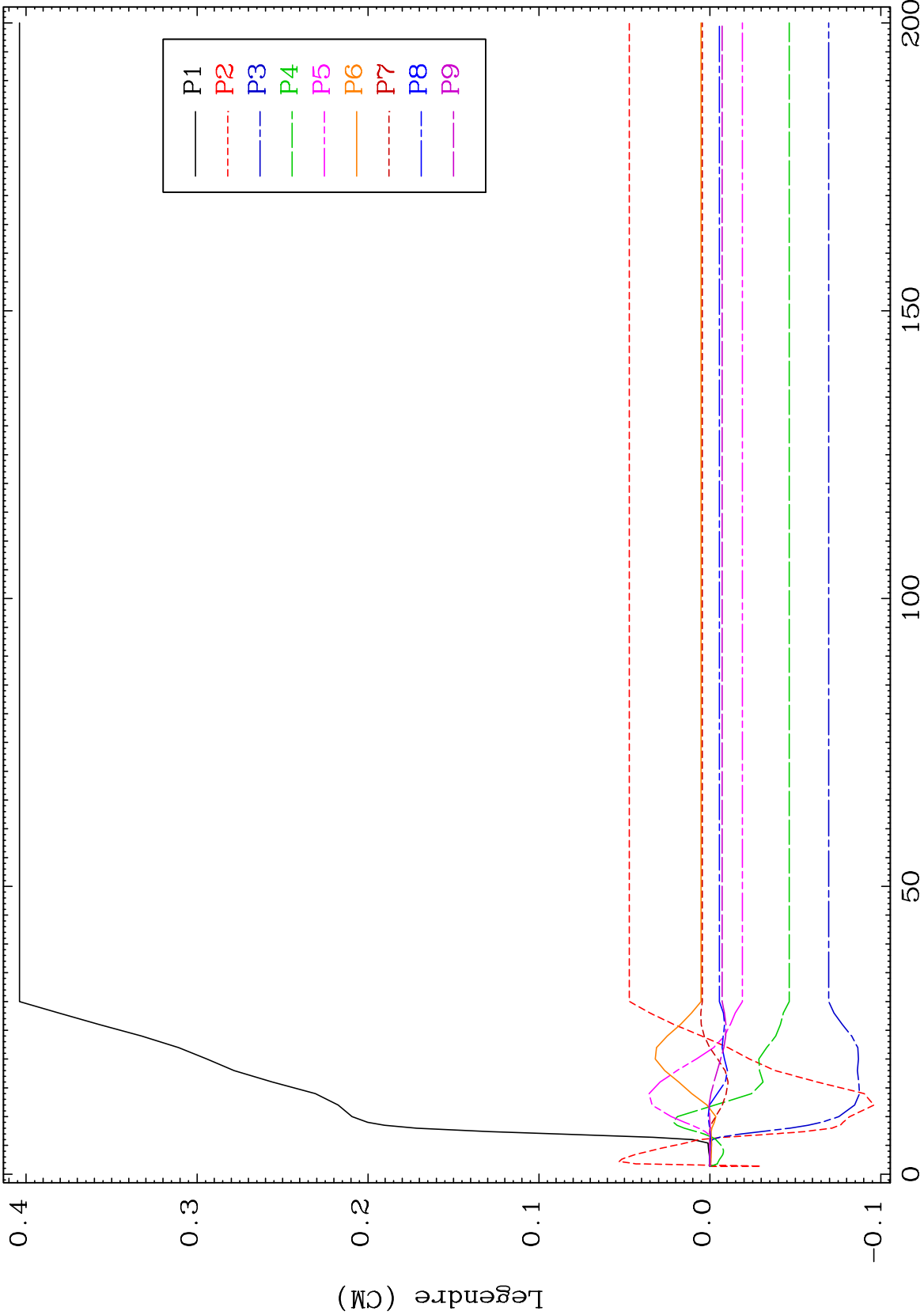
48-Cd-120



MAT 4867

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

48-Cd-120



31

Incident Energy (MeV)

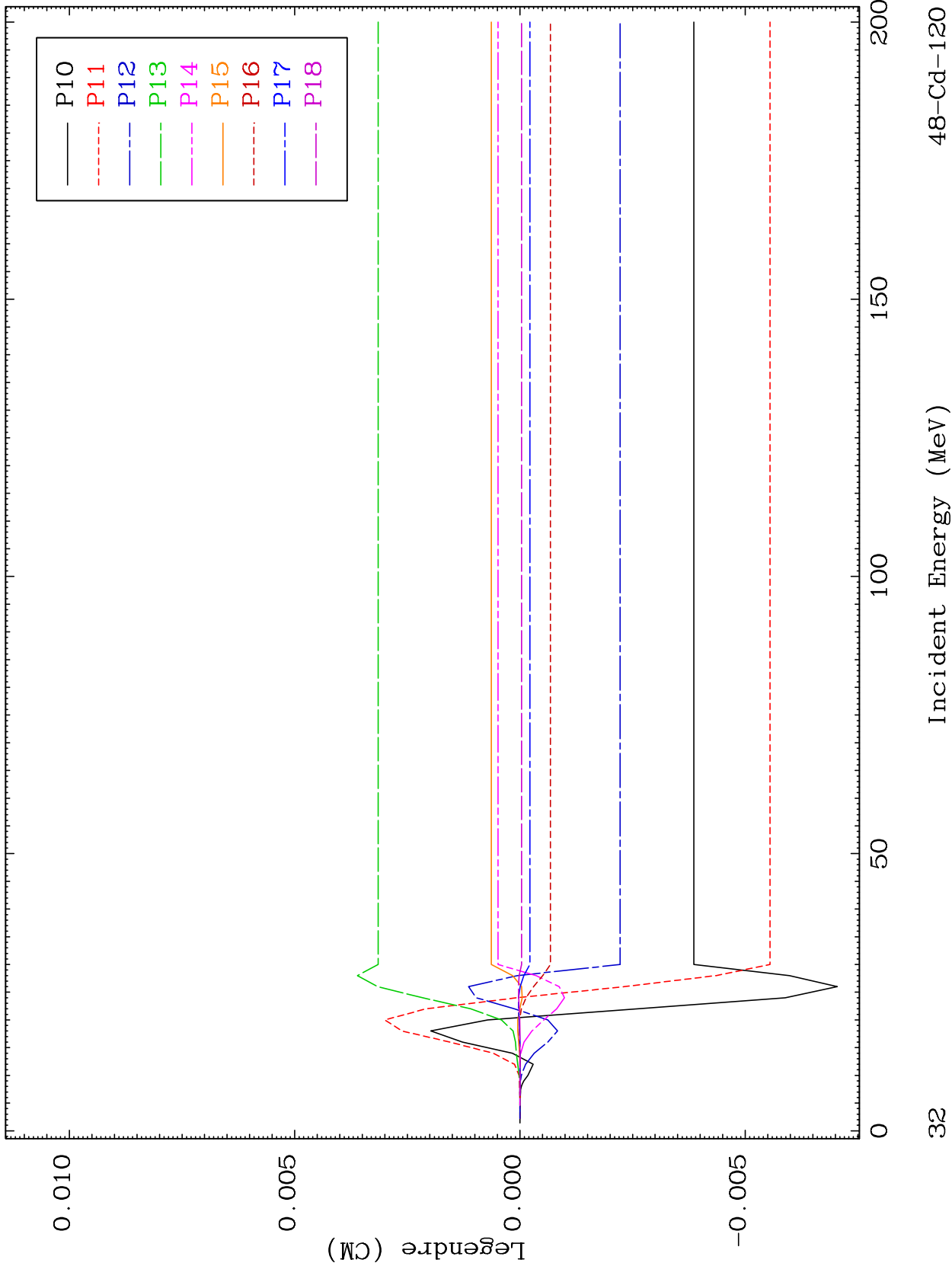
48-Cd-120



MAT 4867

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

48-Cd-120



48-Cd-120

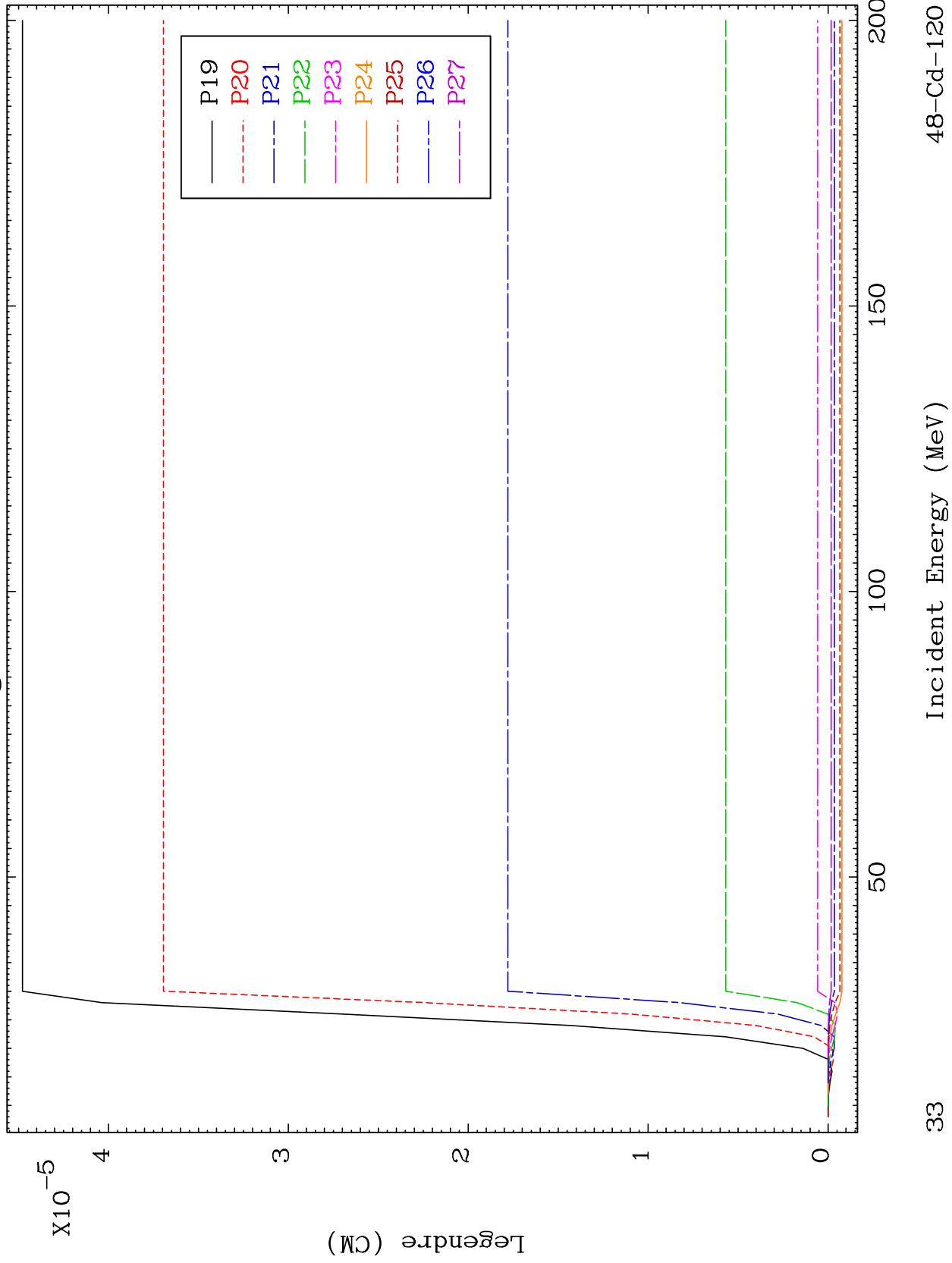
Incident Energy (MeV)

32

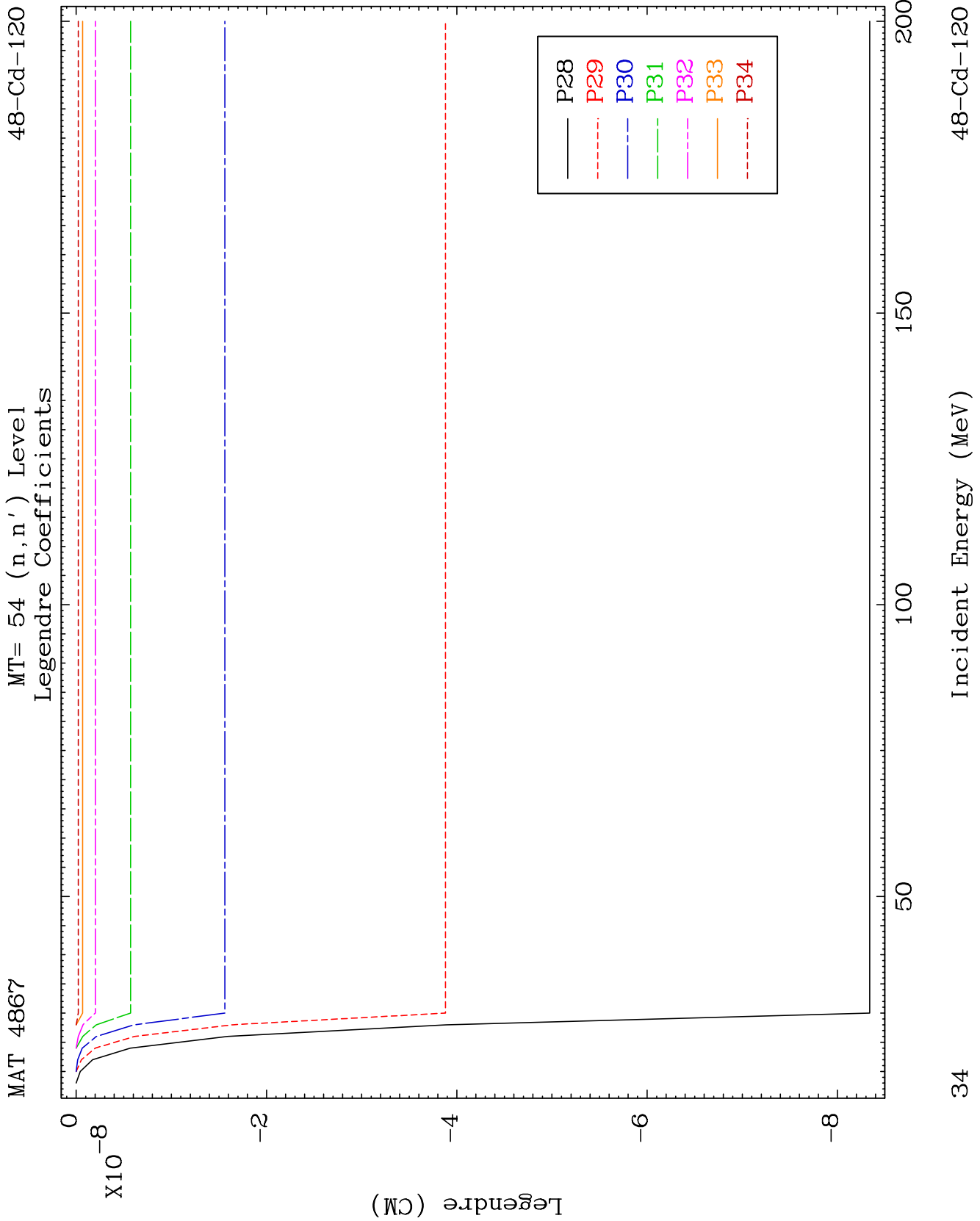
MAT 4867

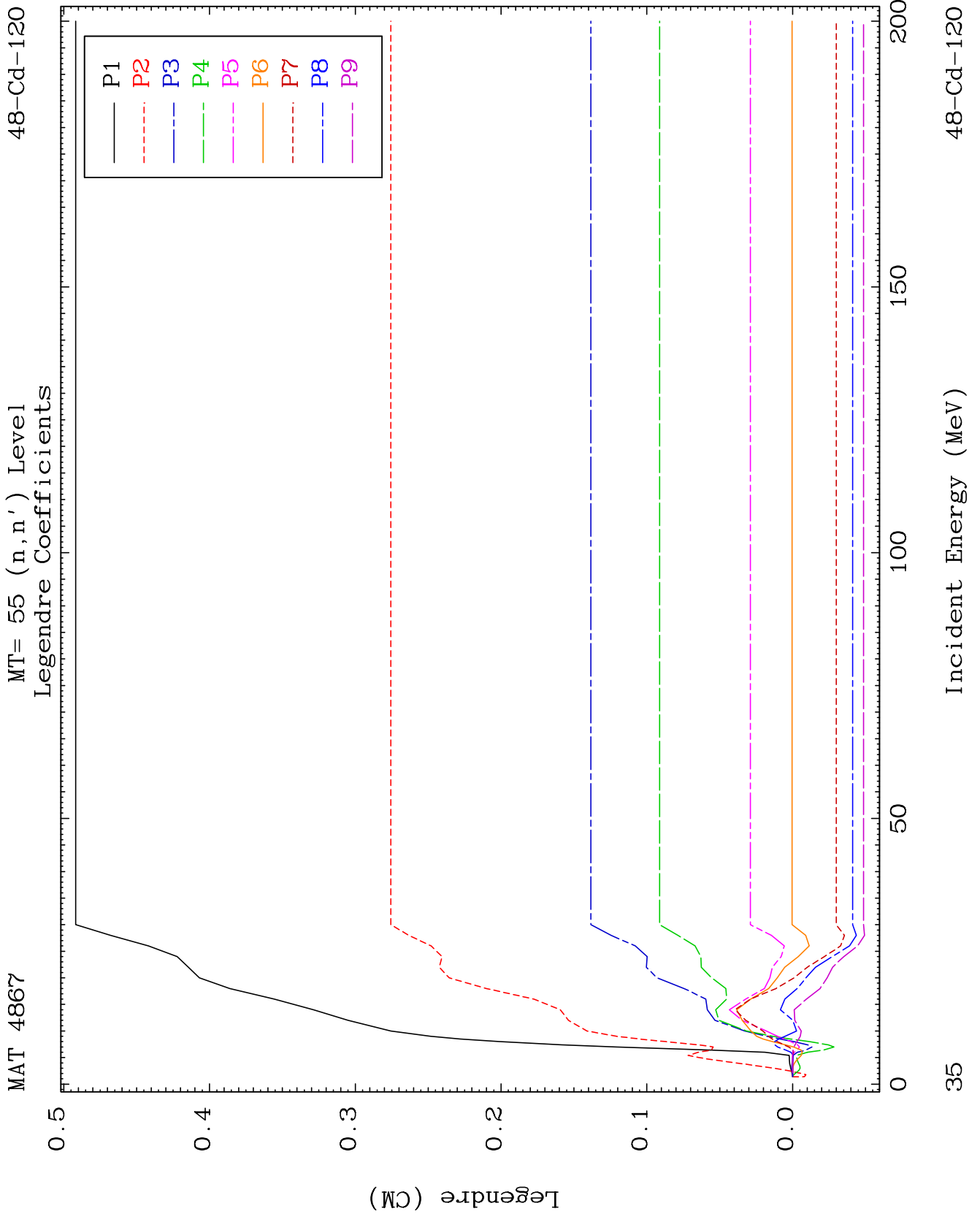
MT= 54 (n,n') Level  
Legendre Coefficients

48-Cd-120



33

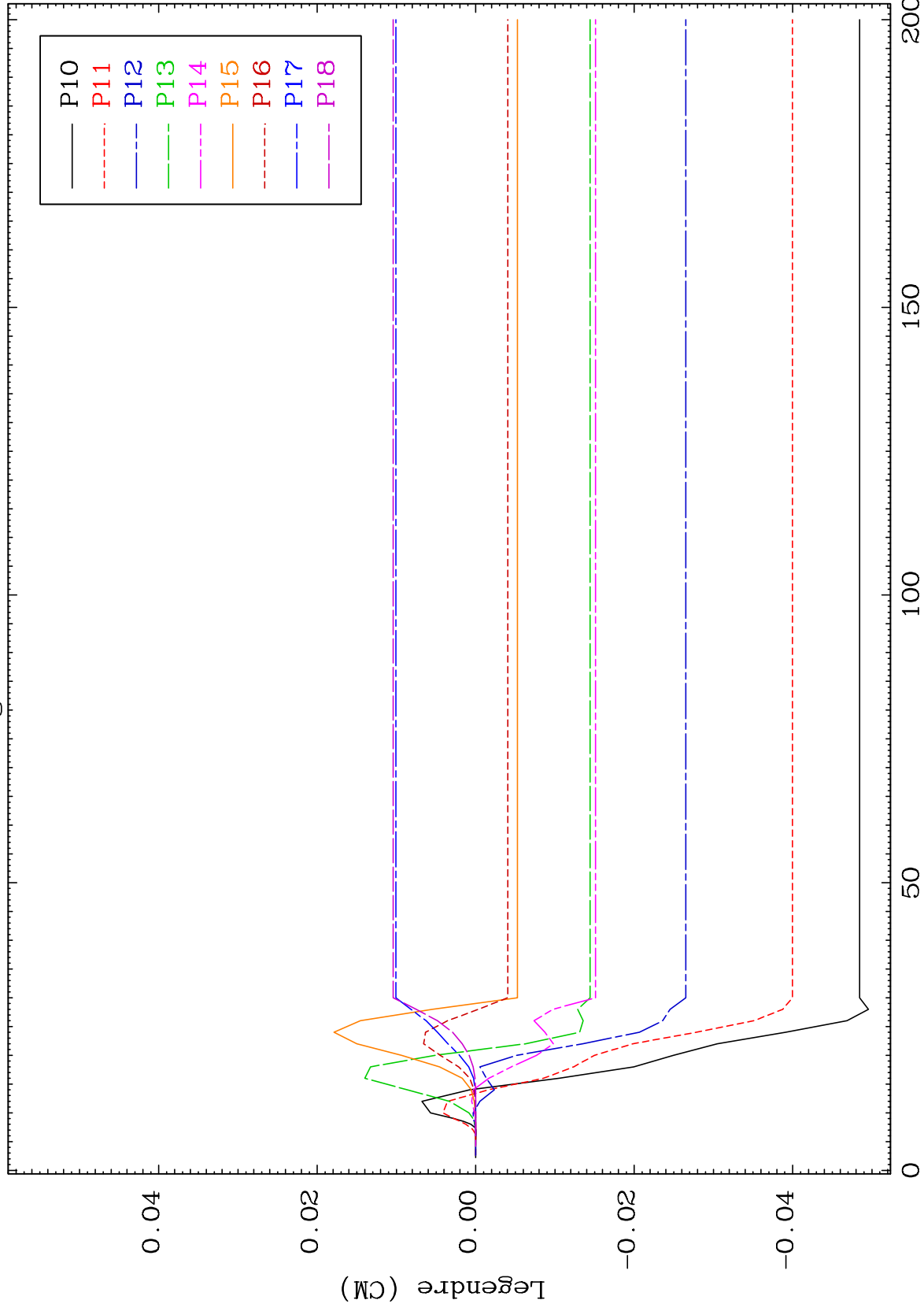




MAT 4867

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

48-Cd-120



36

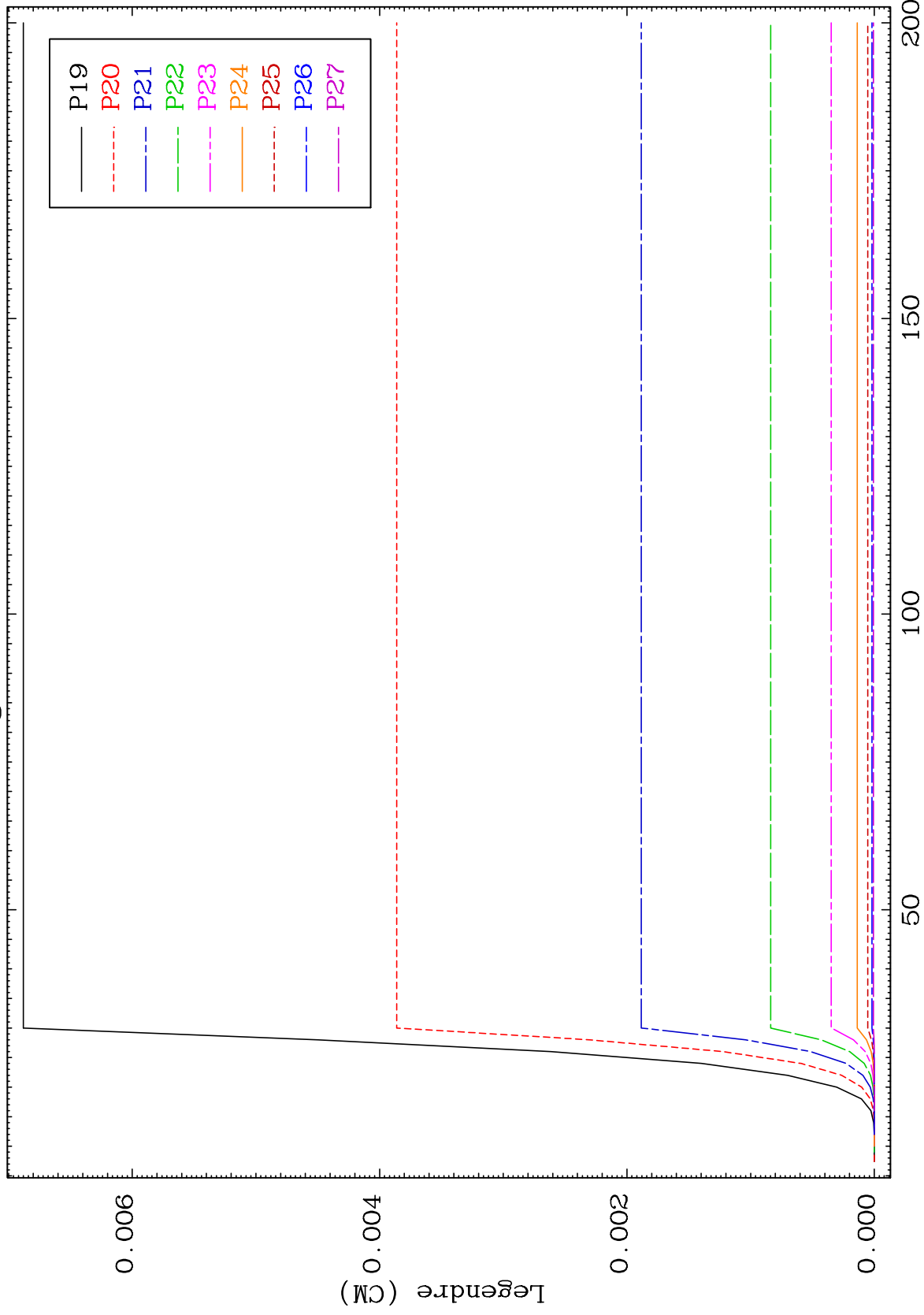
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



37

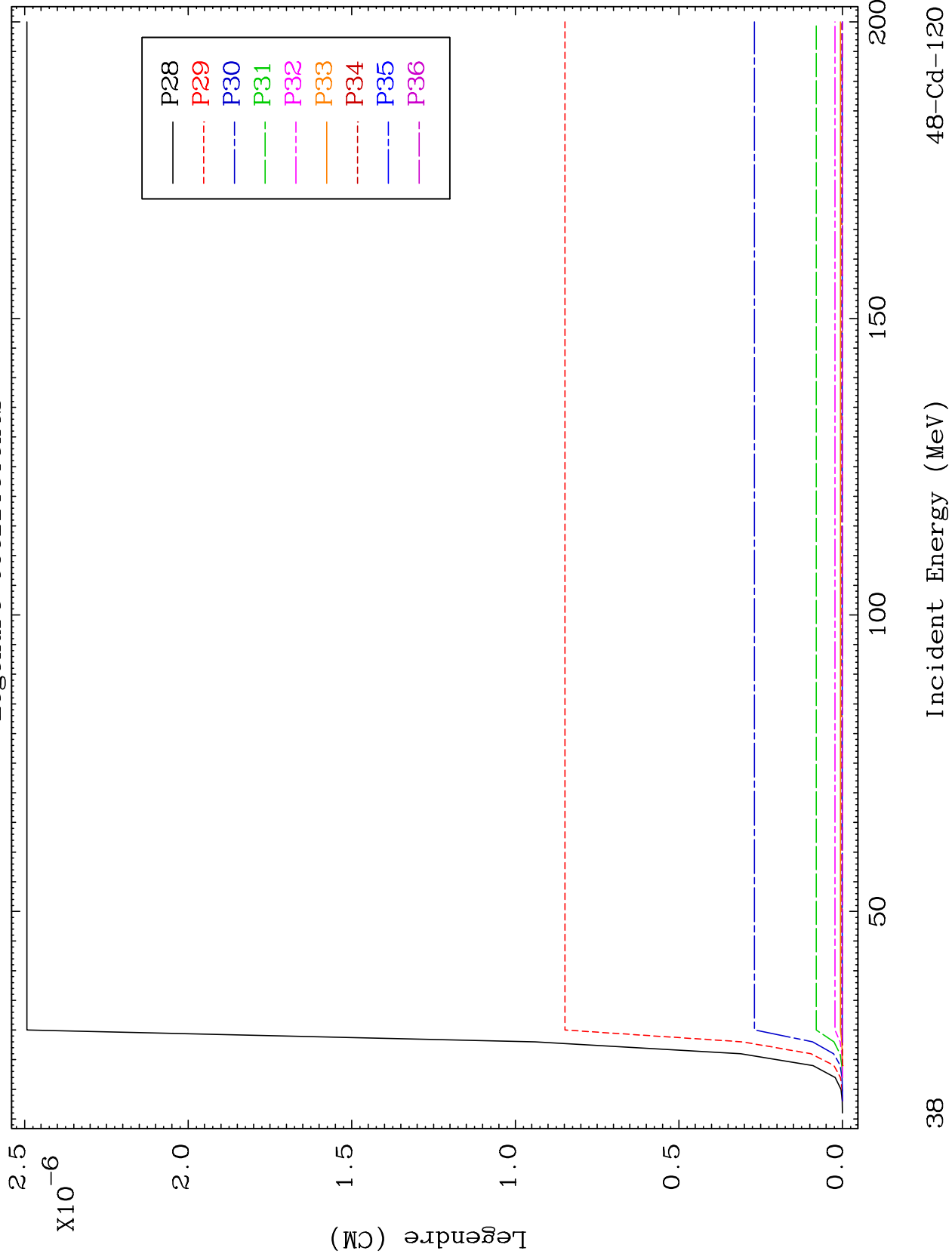
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



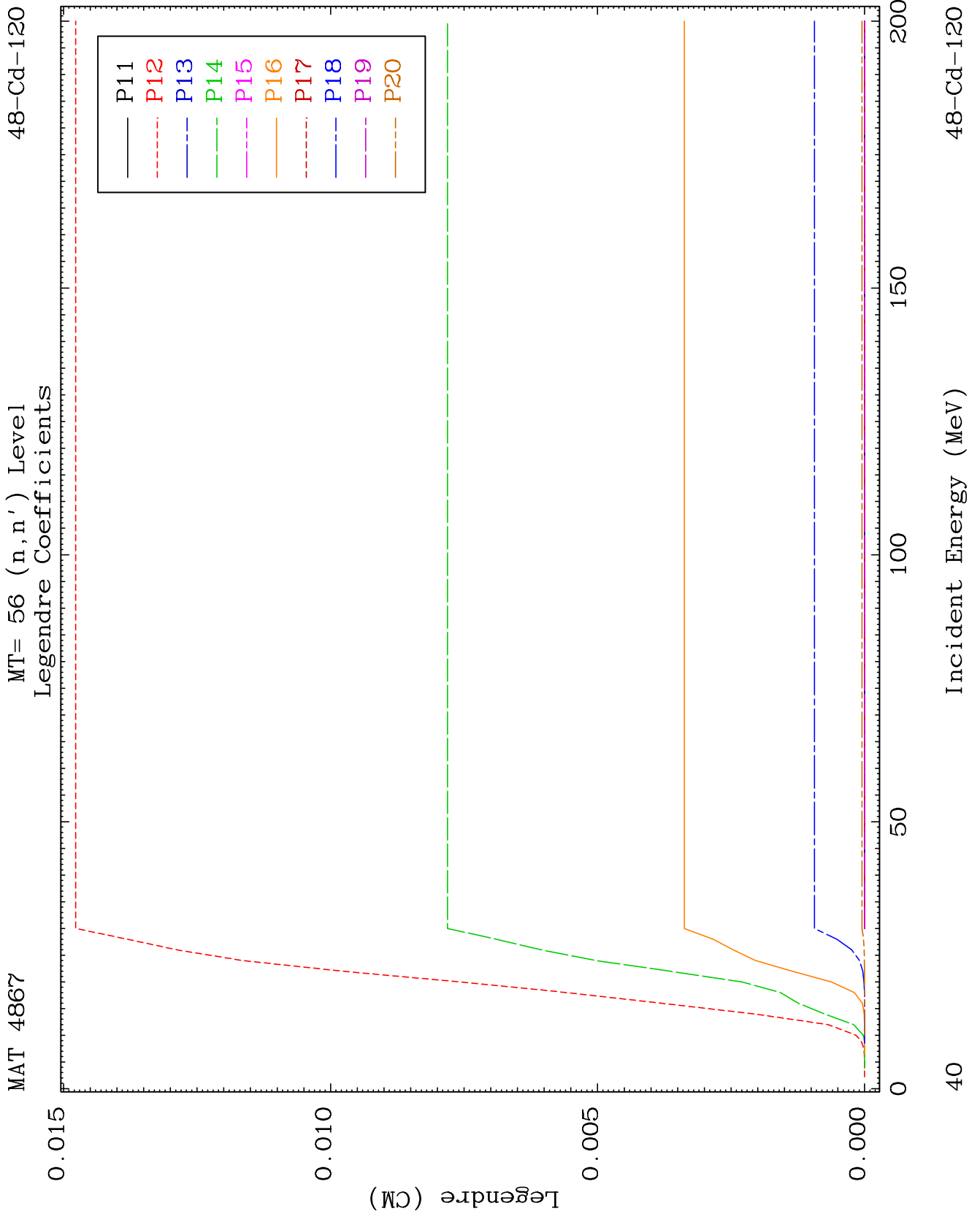
38

Incident Energy (MeV)

48-Cd-120



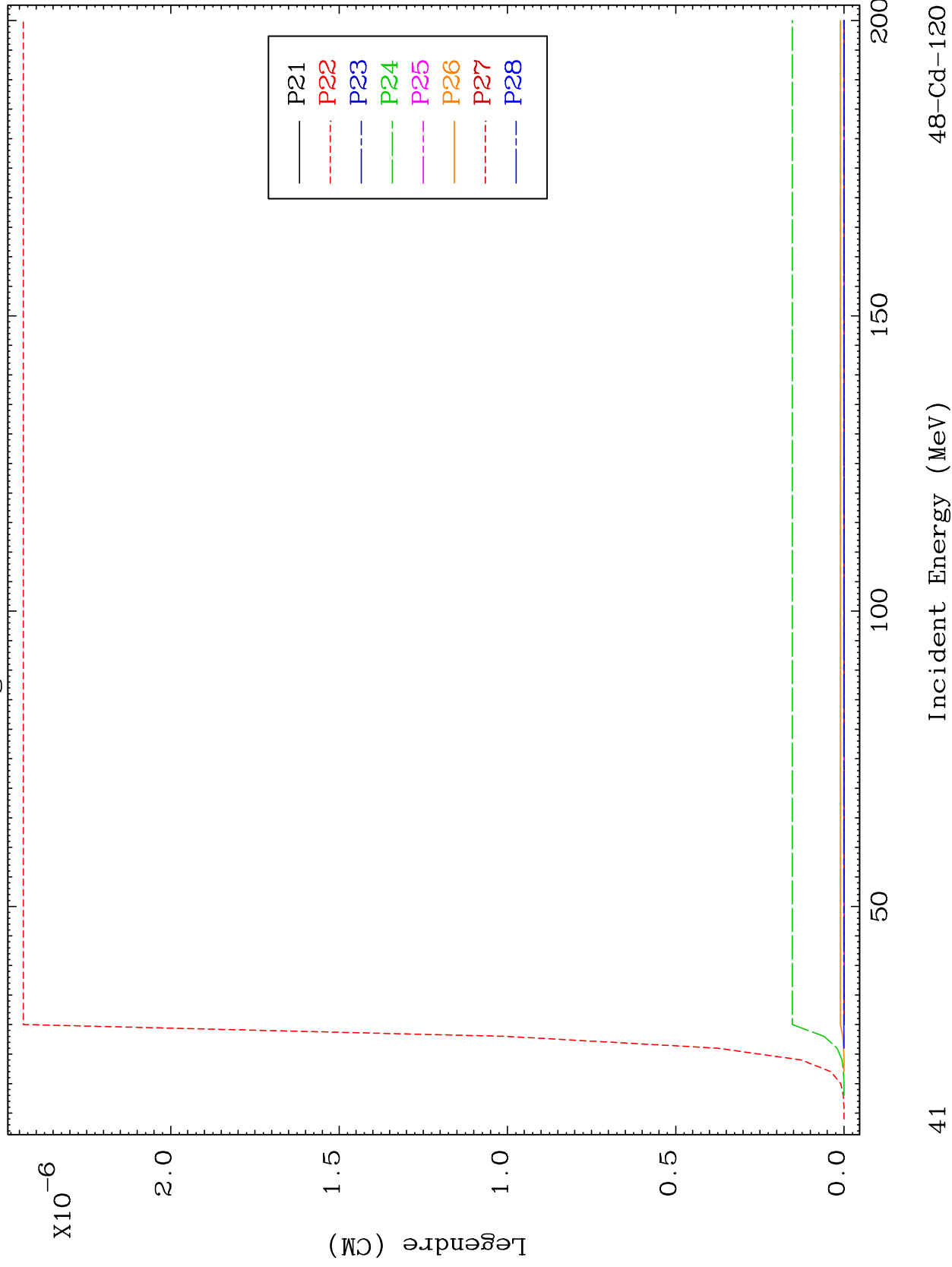




MAT 4867

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

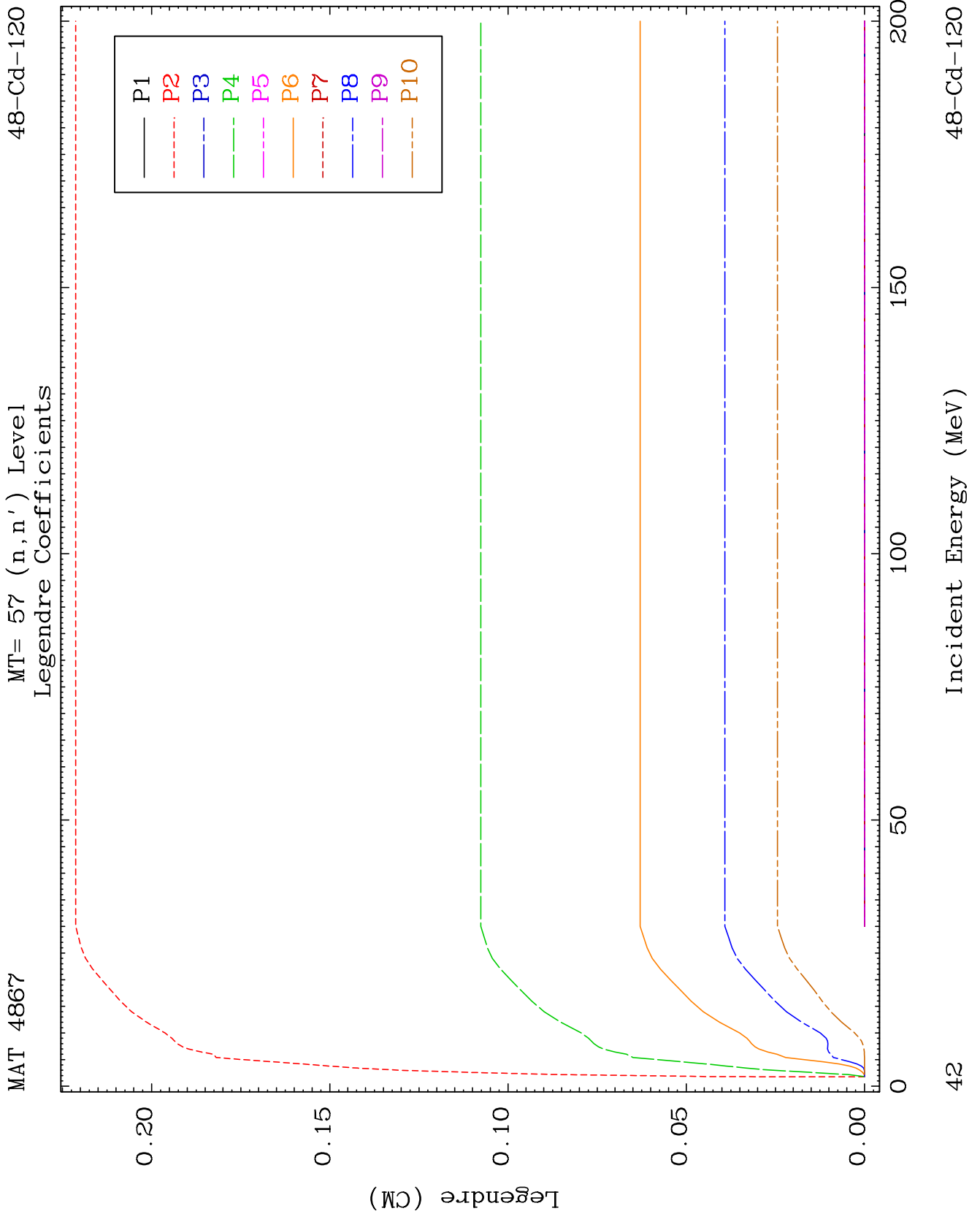
48-Cd-120

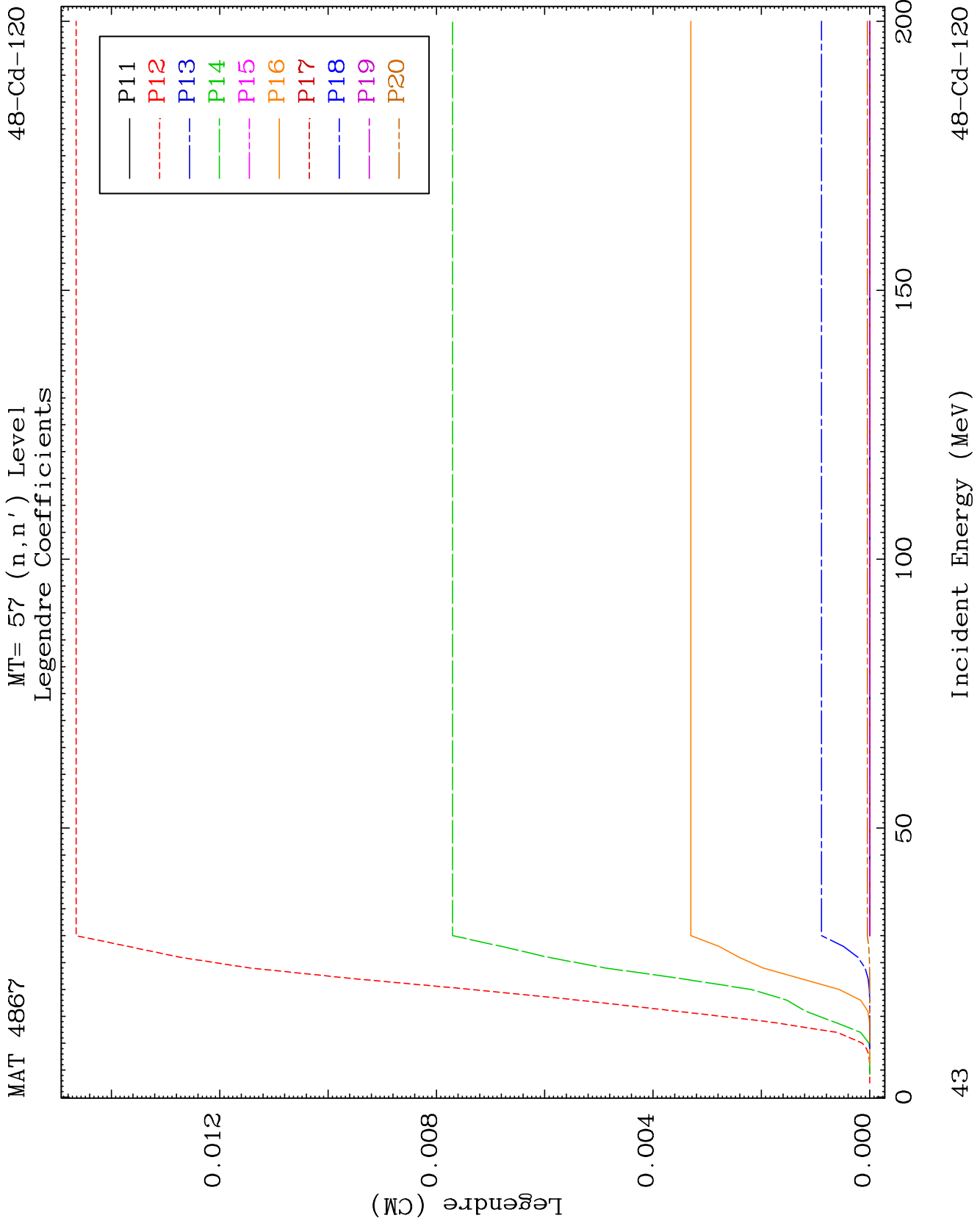


41

Incident Energy (MeV)

48-Cd-120





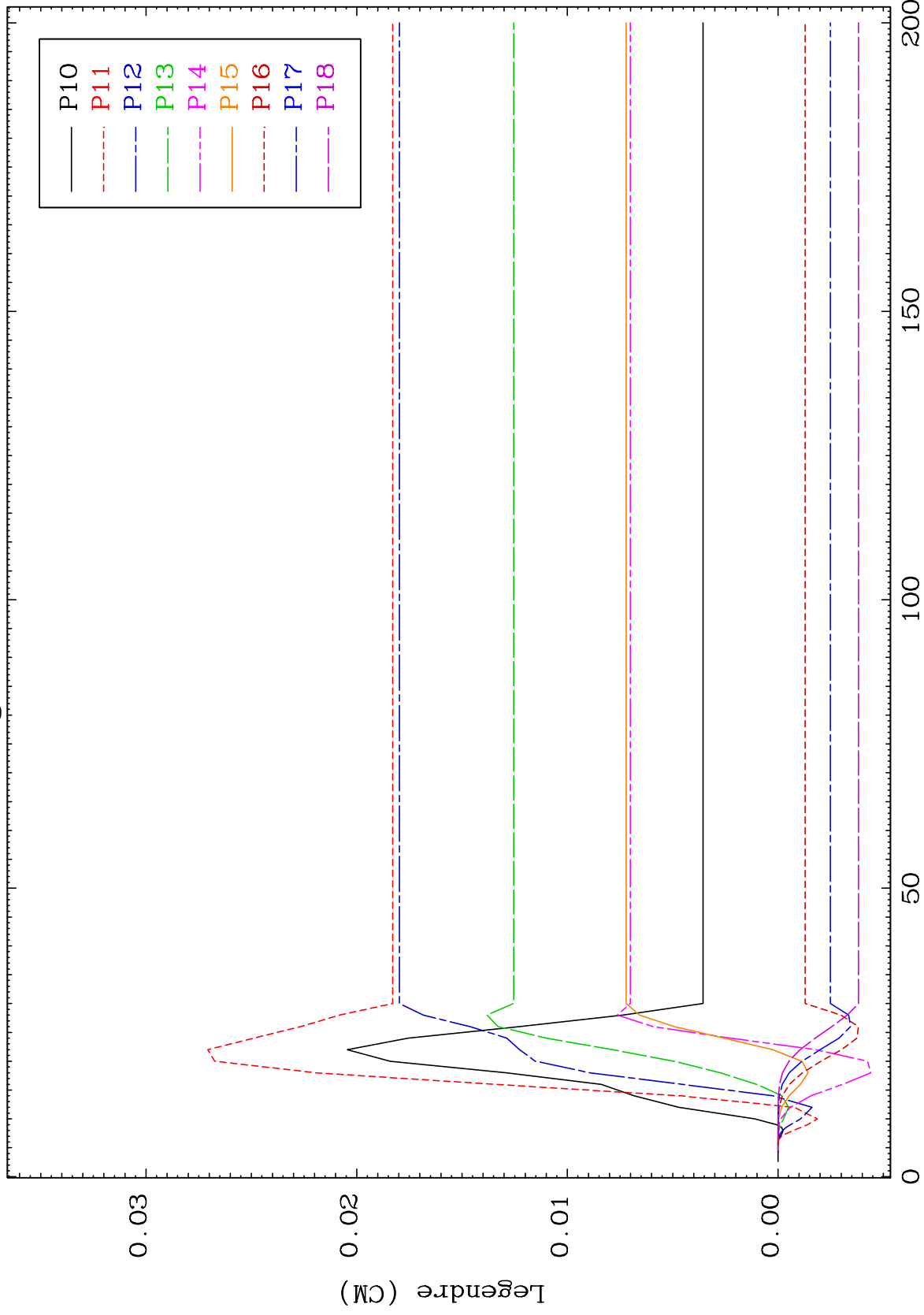




MAT 4867

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

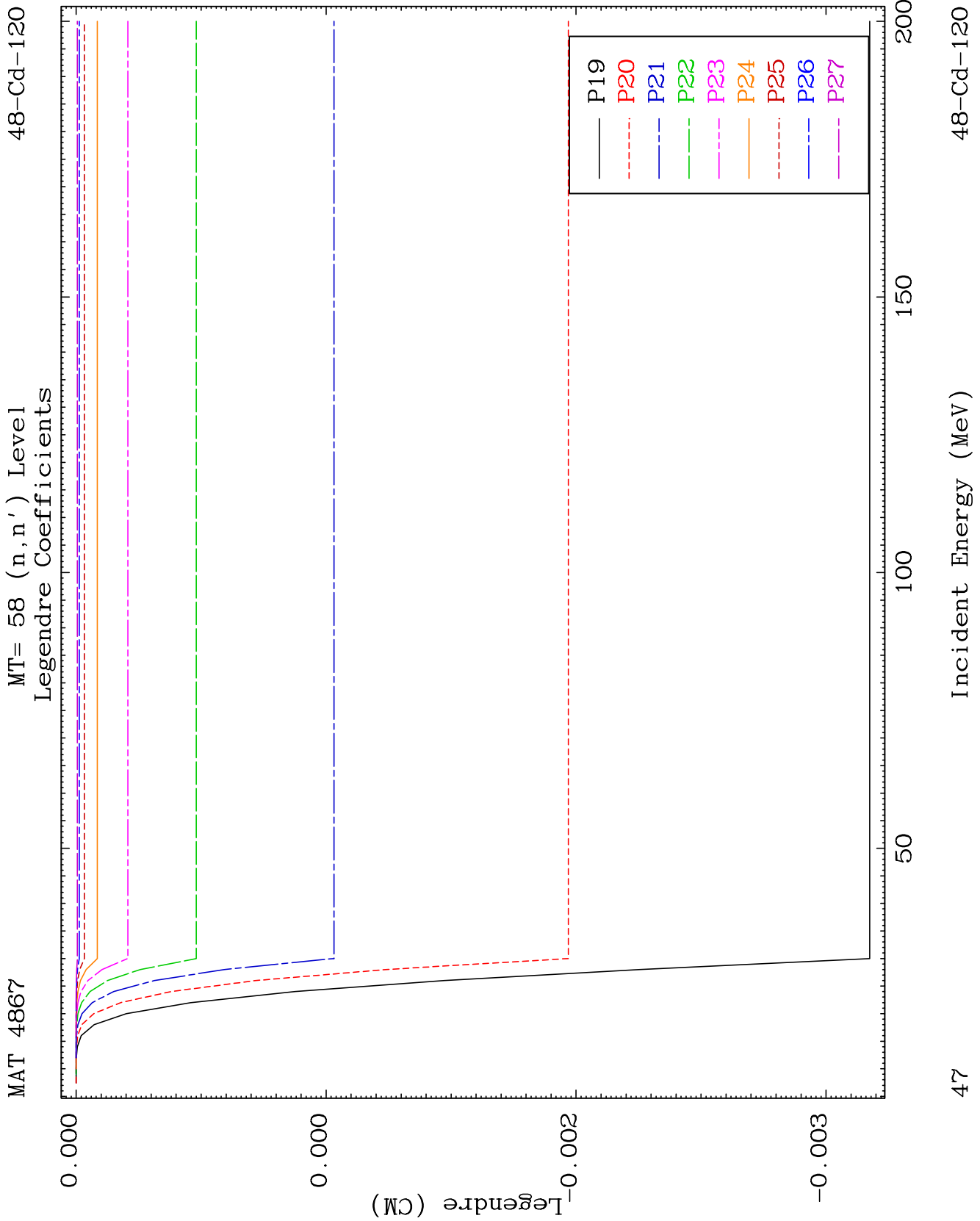
48-Cd-120



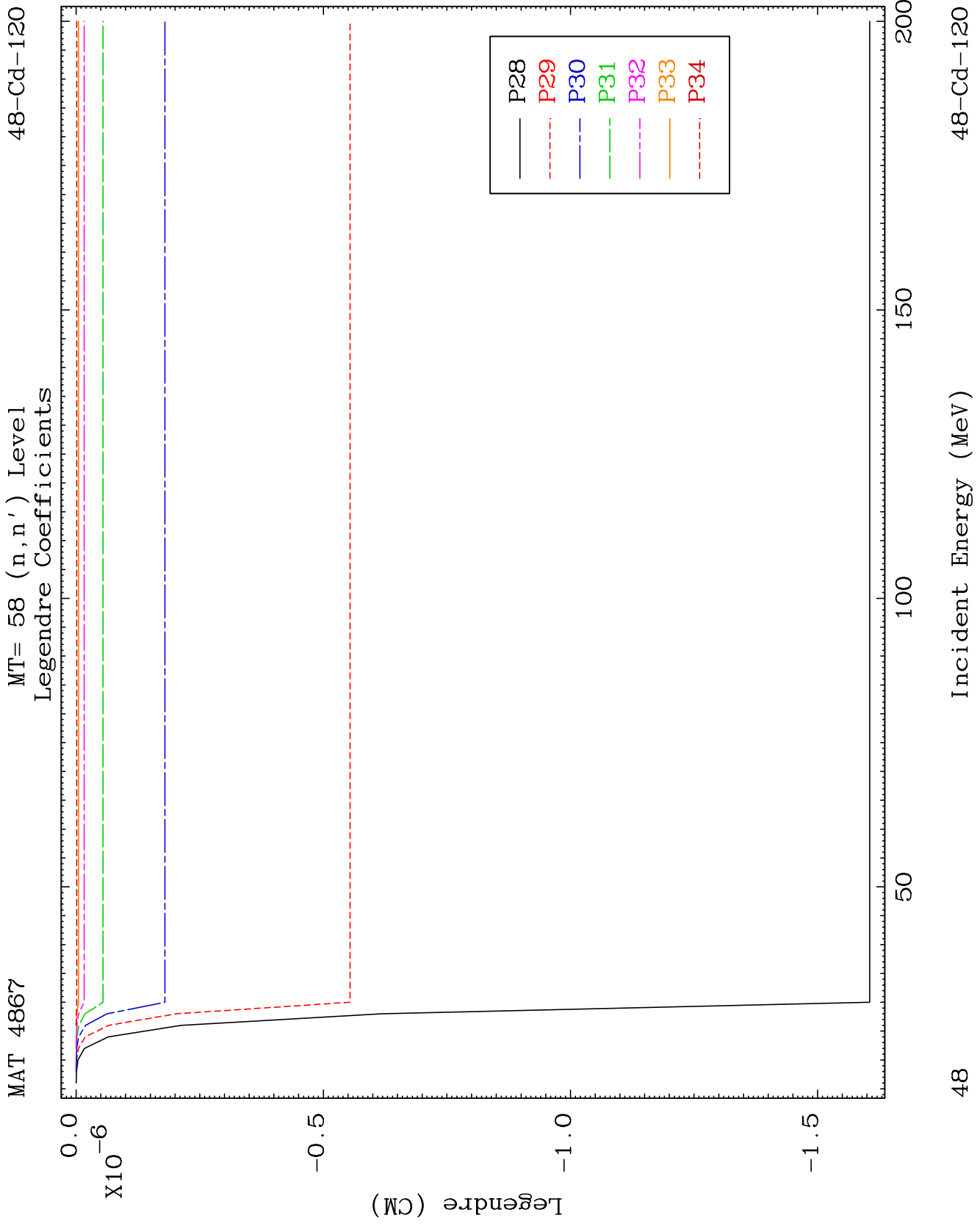
46

Incident Energy (MeV)

48-Cd-120



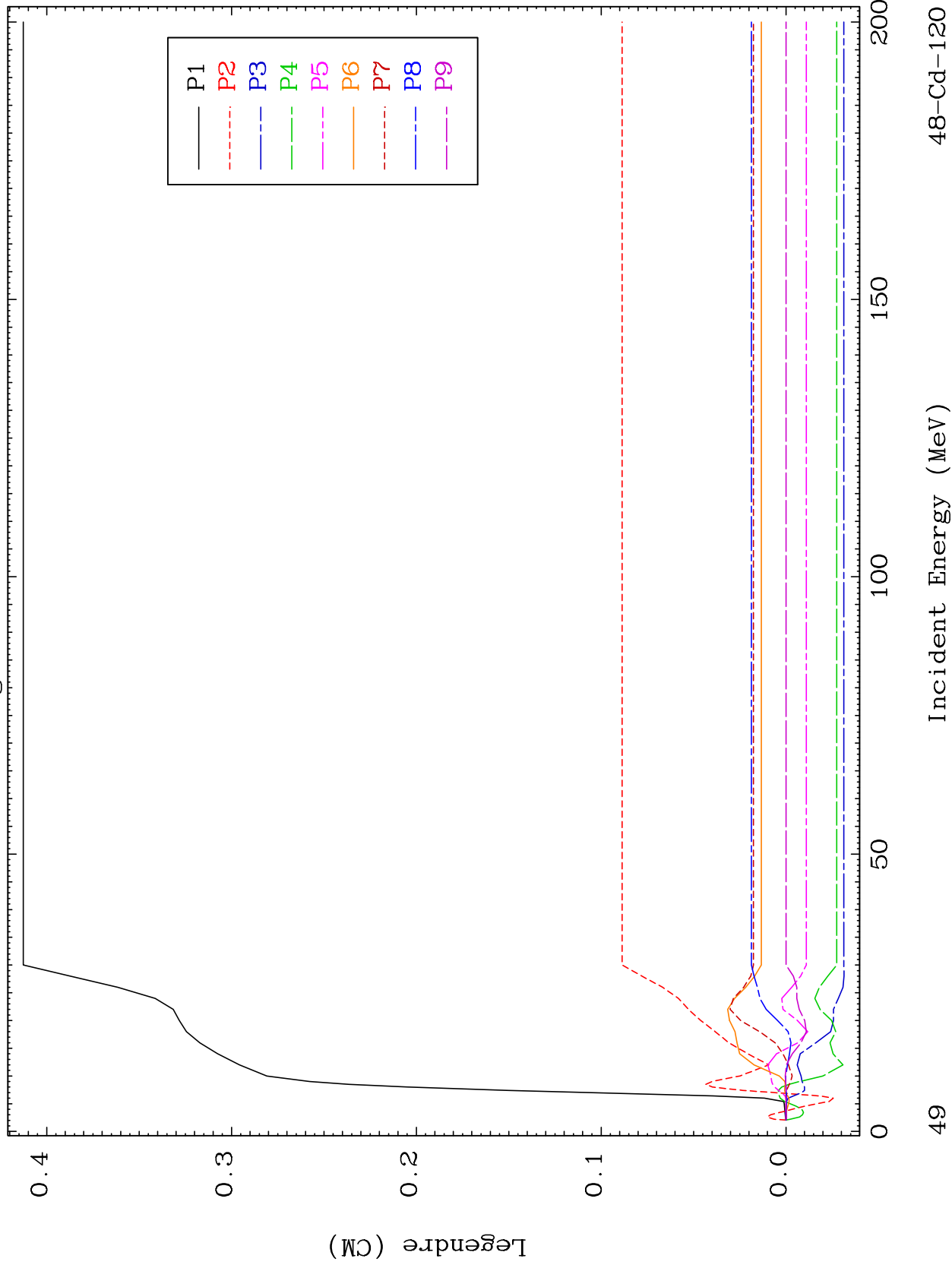




MAT 4867

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

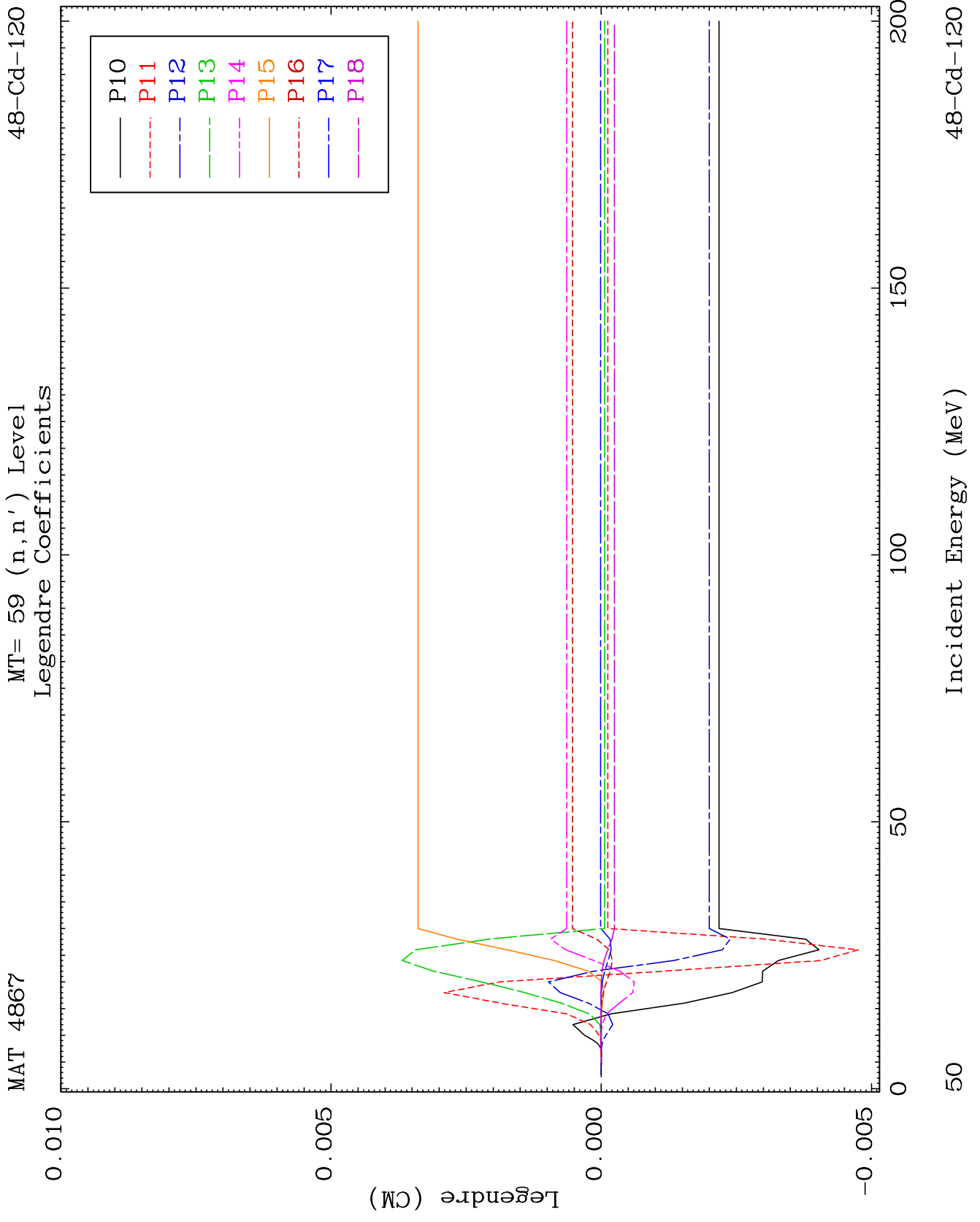
48-Cd-120

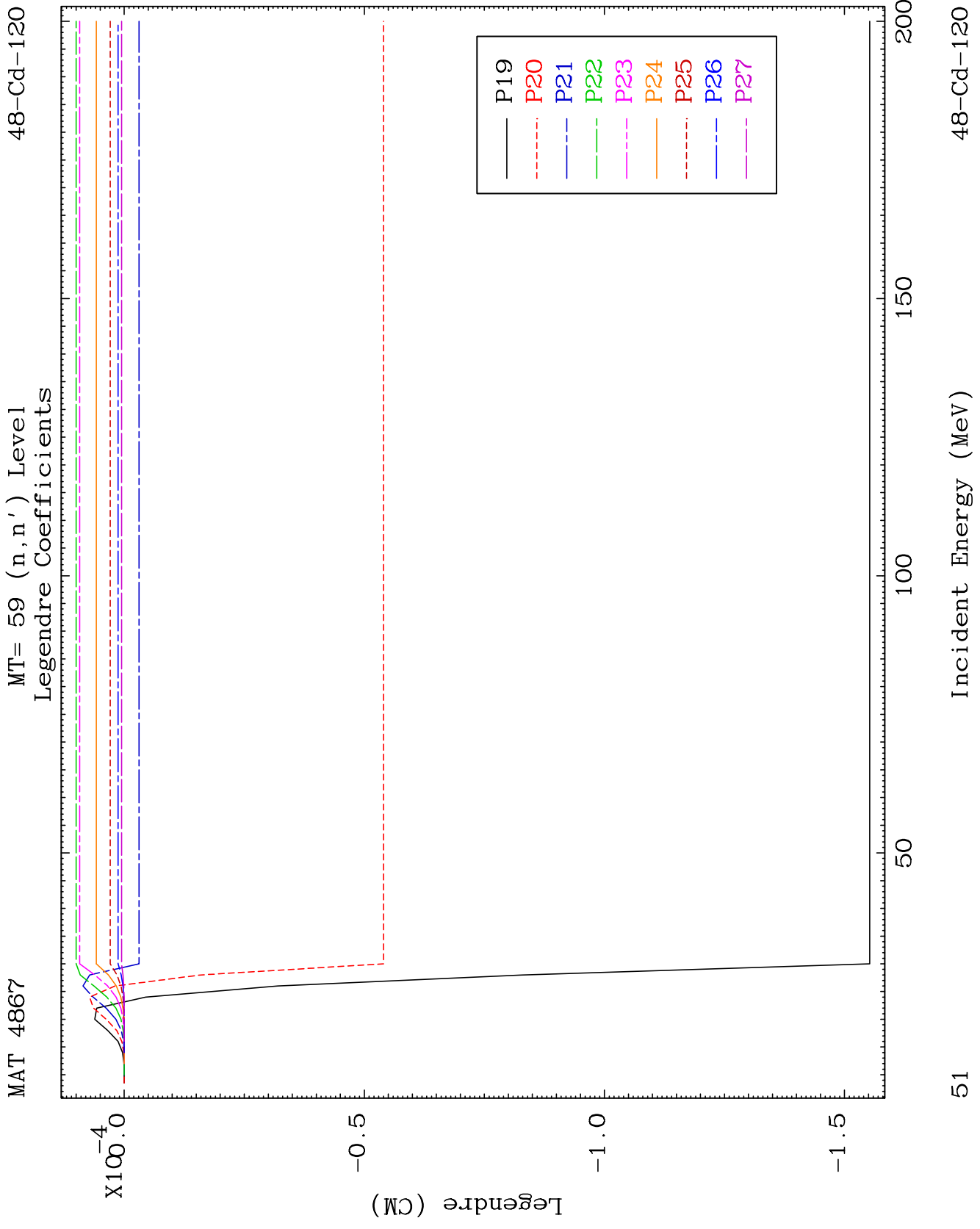


49

Incident Energy (MeV)

48-Cd-120

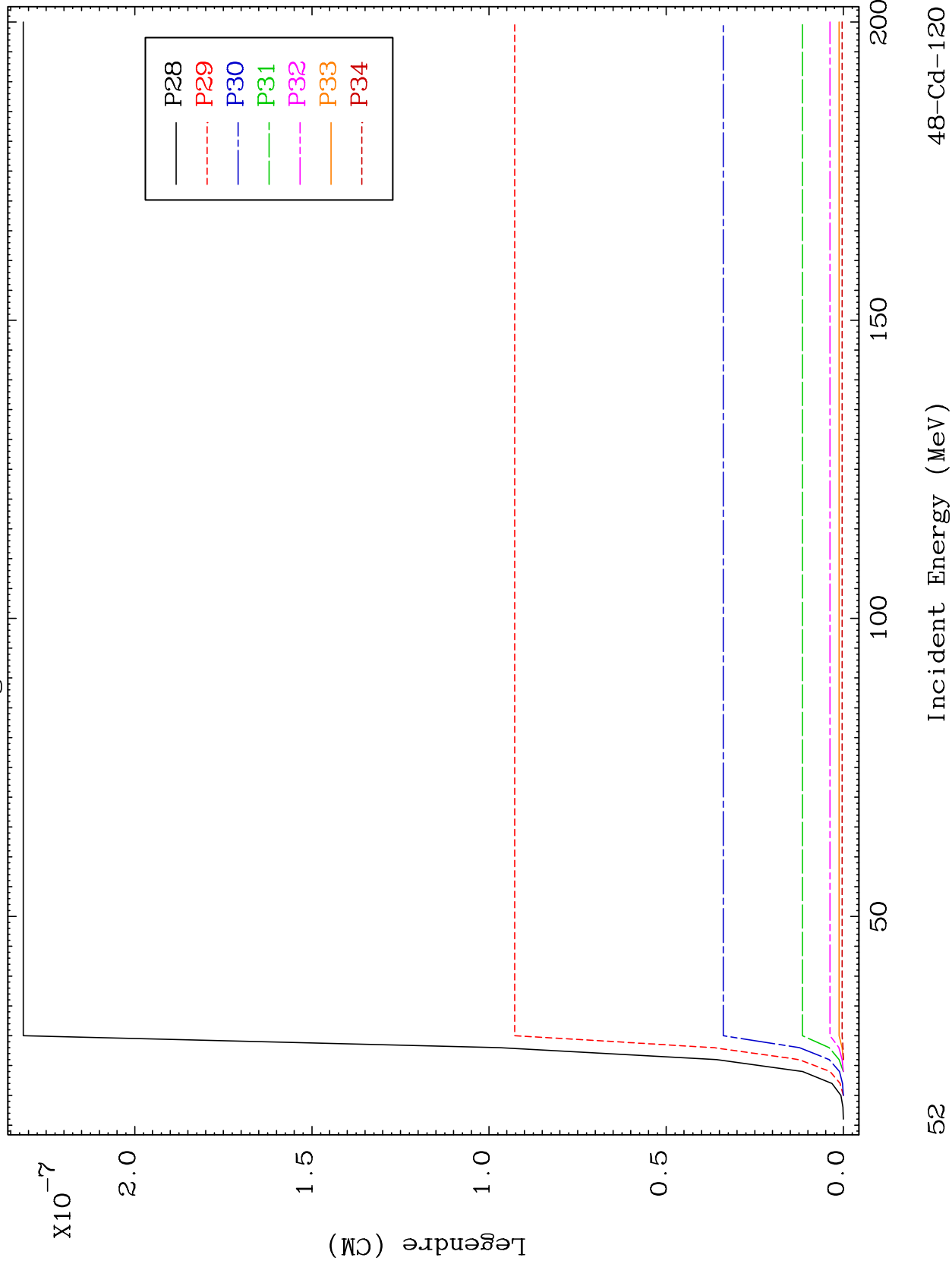




MAT 4867

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

48-Cd-120

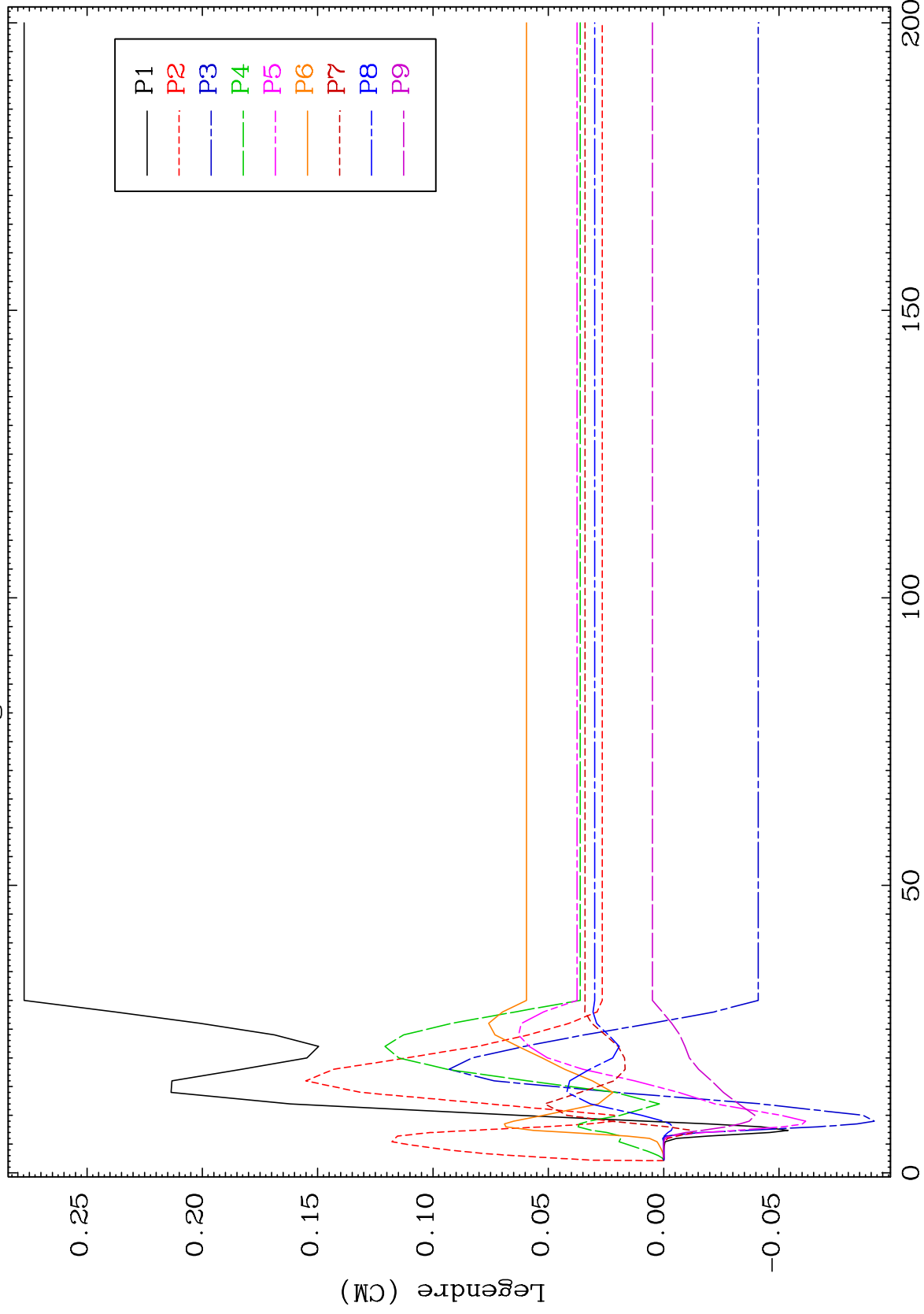


52

MAT 4867

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

48-Cd-120



53

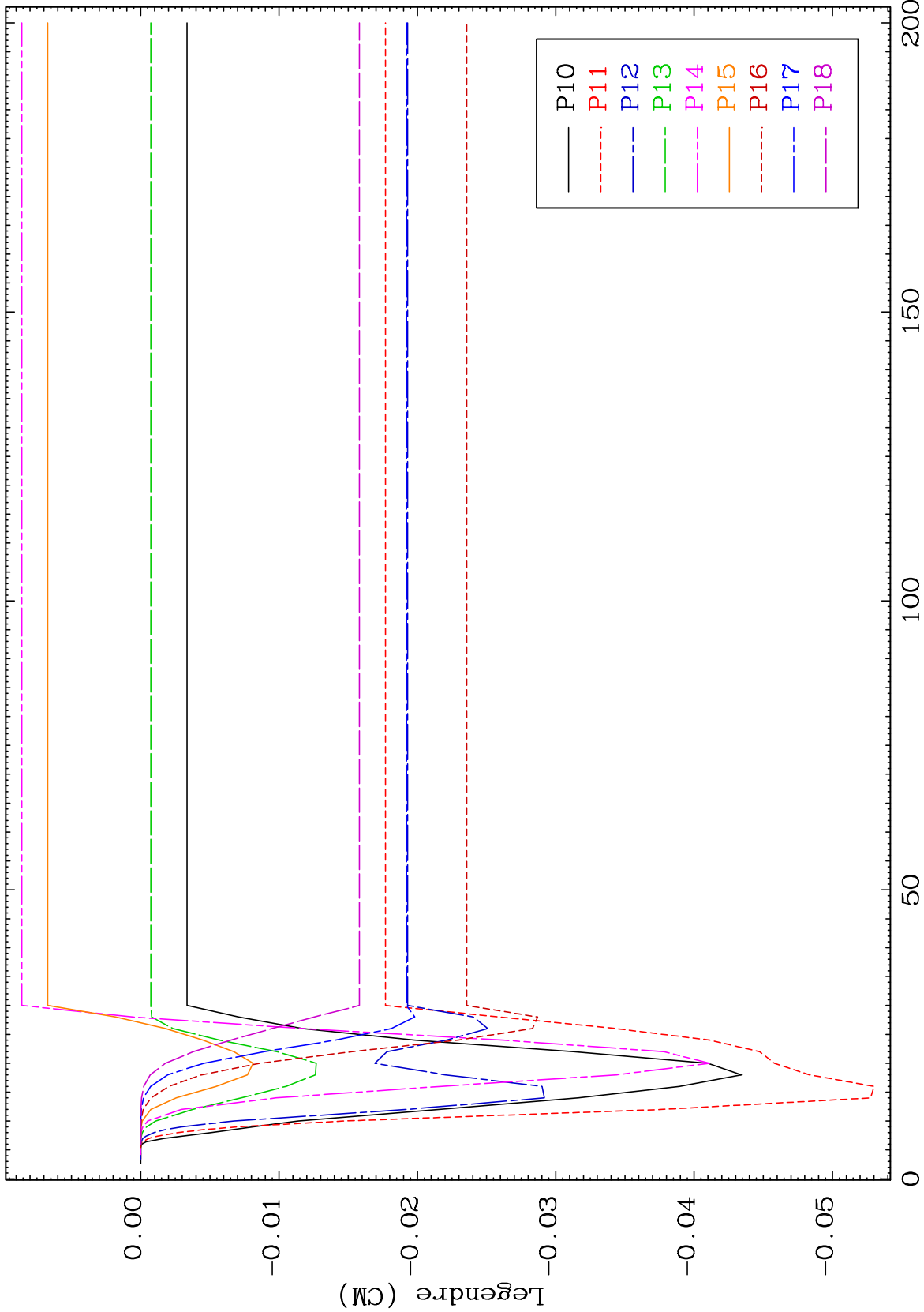
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

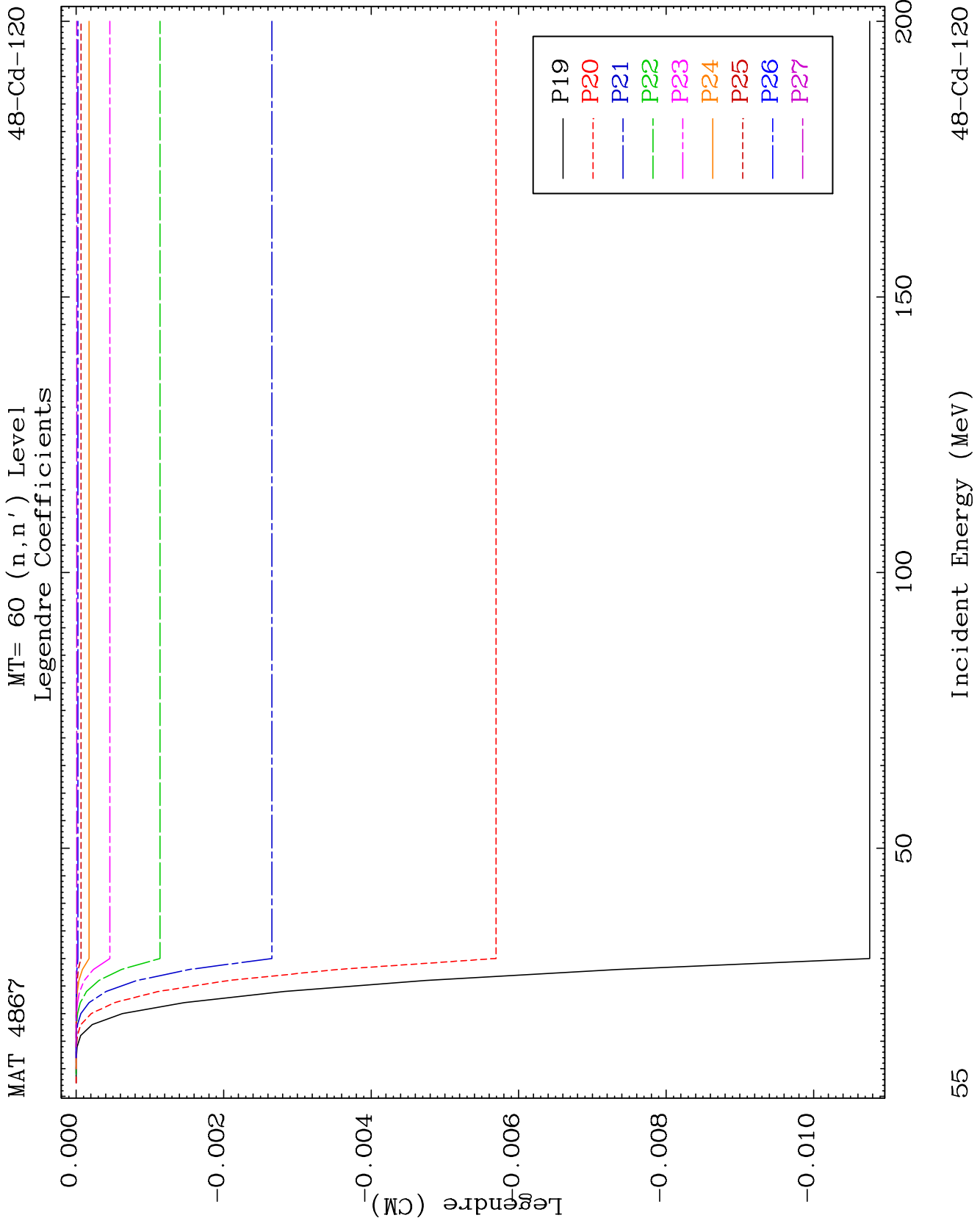
48-Cd-120



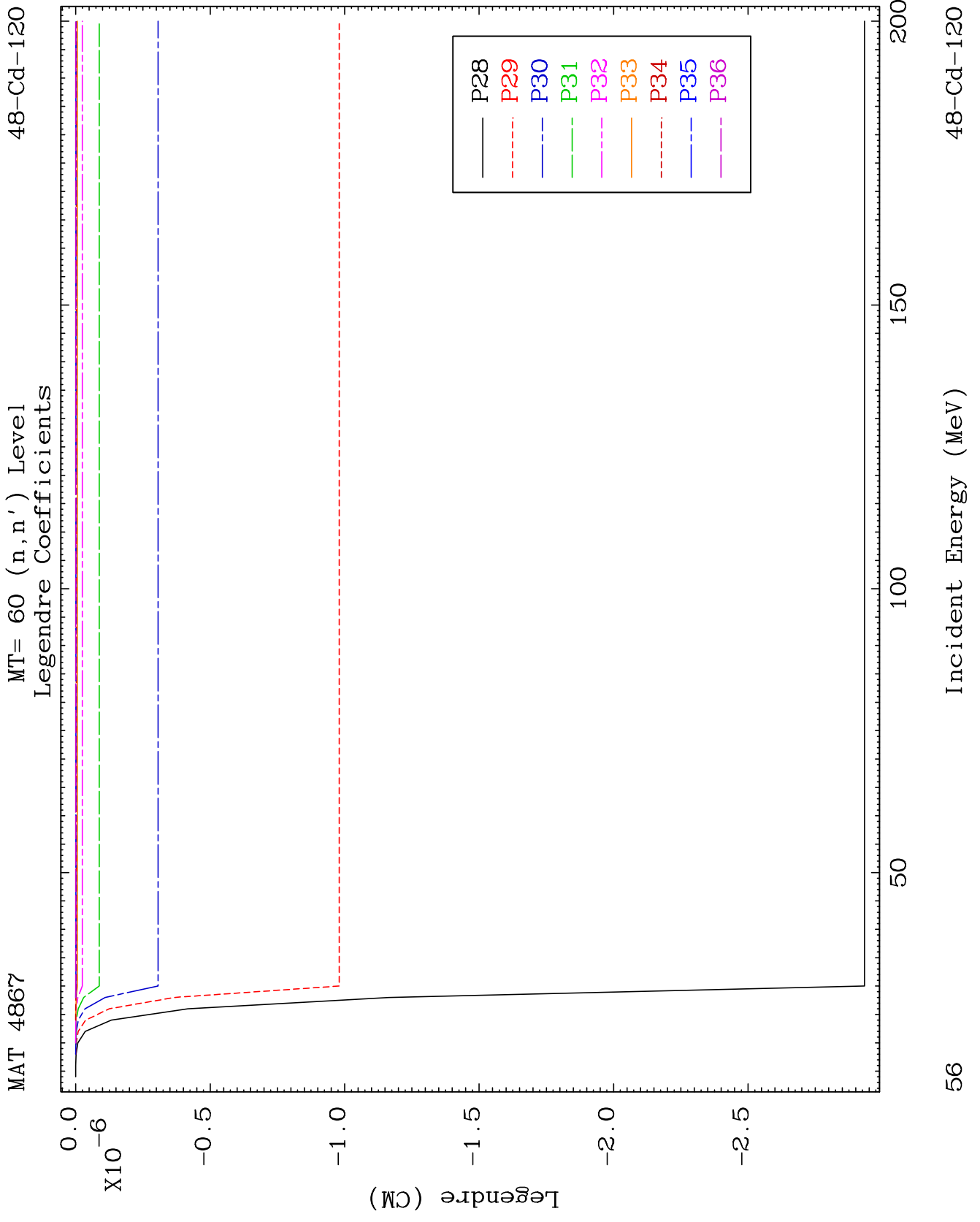
54

Incident Energy (MeV)

48-Cd-120



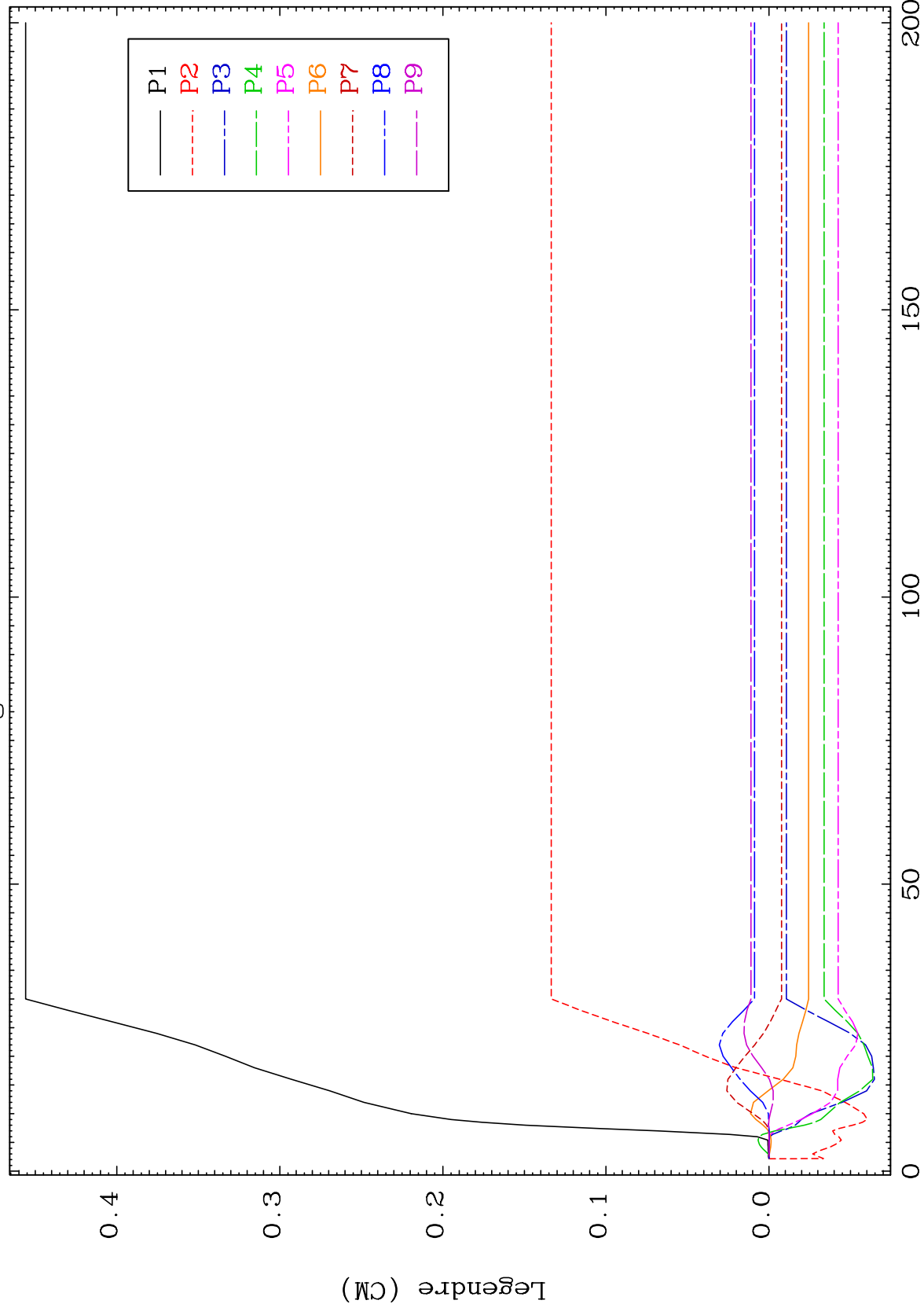




MAT 4867

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

48-Cd-120



57

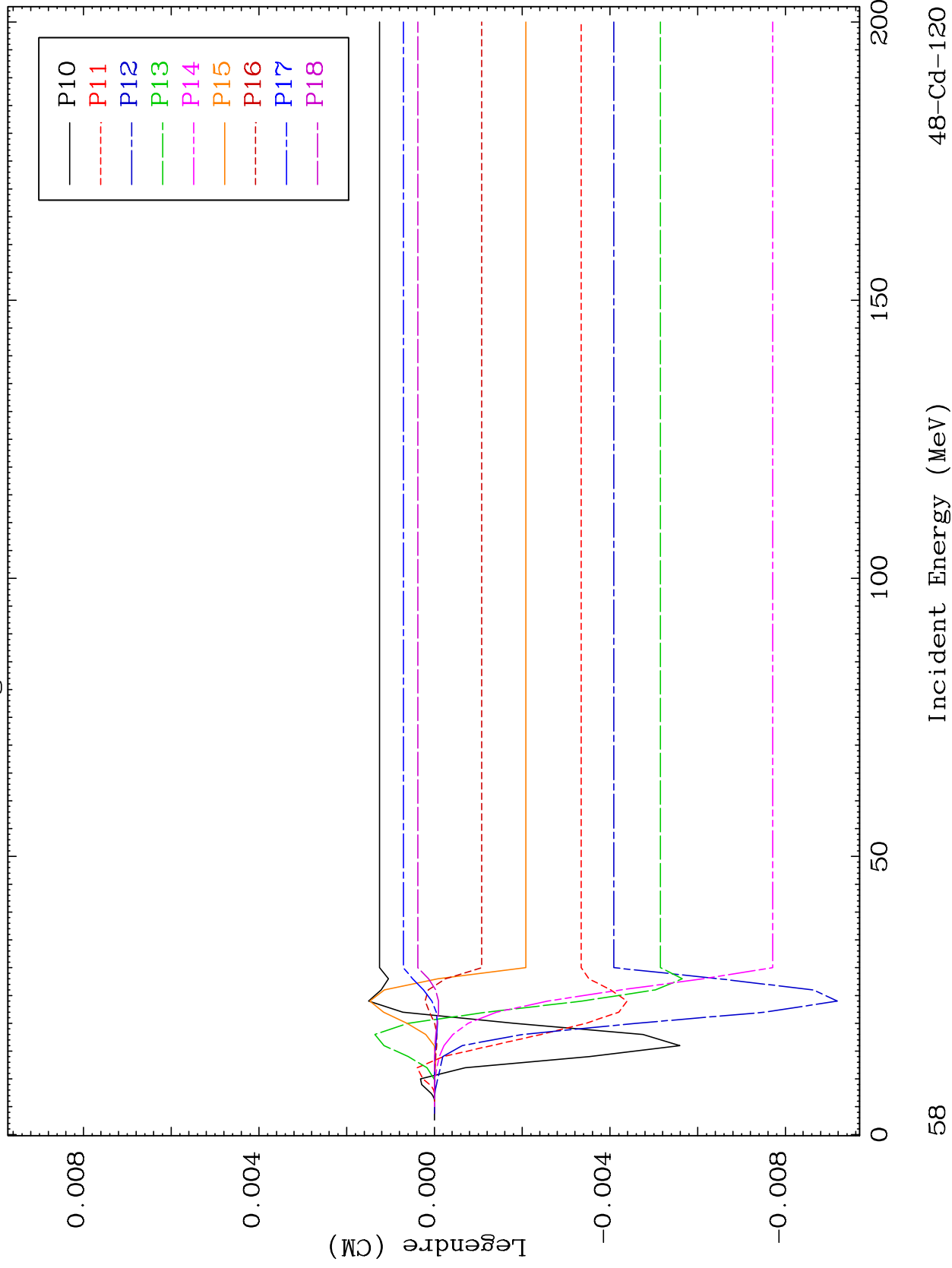
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



58

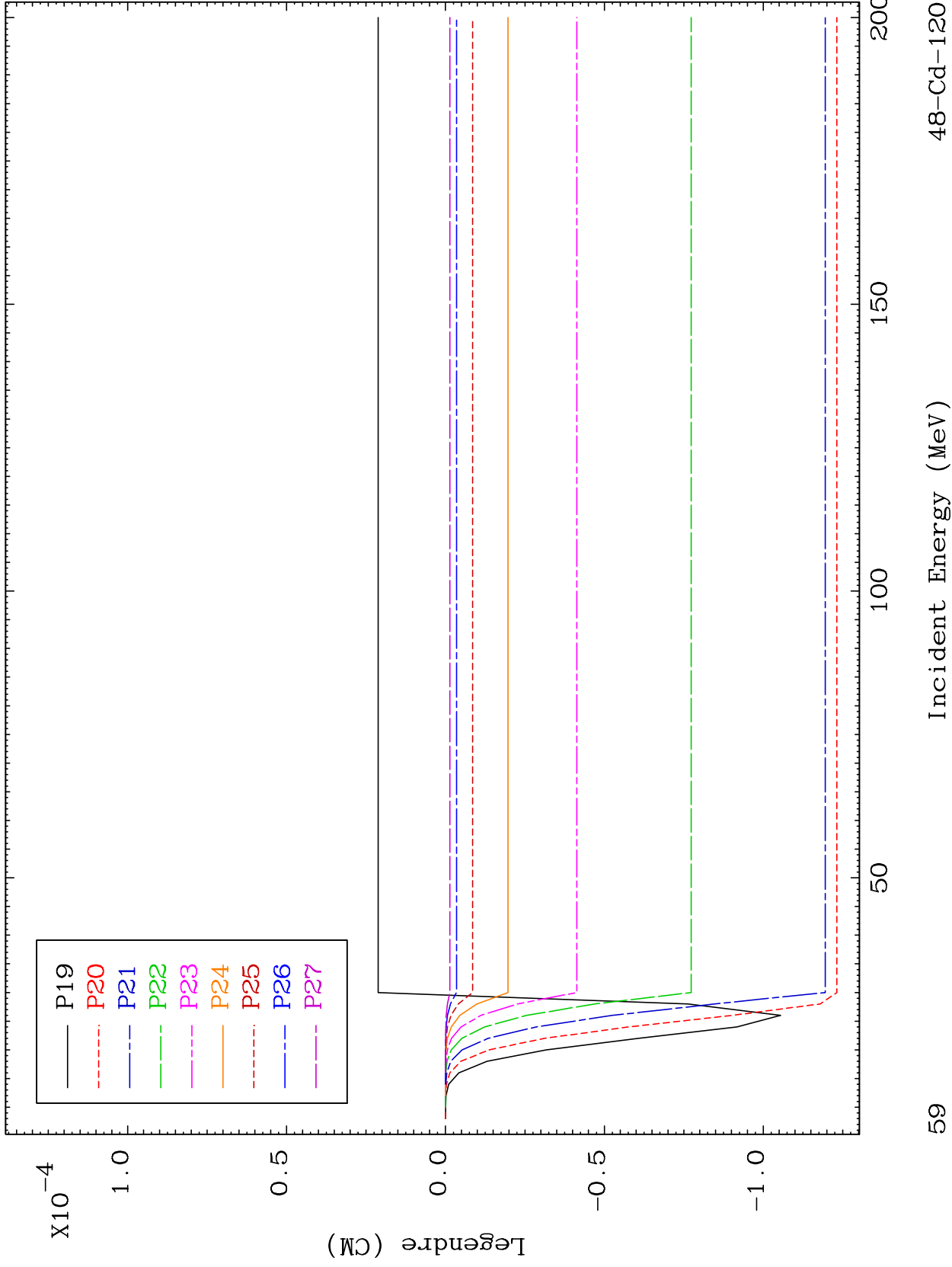
Incident Energy (MeV)

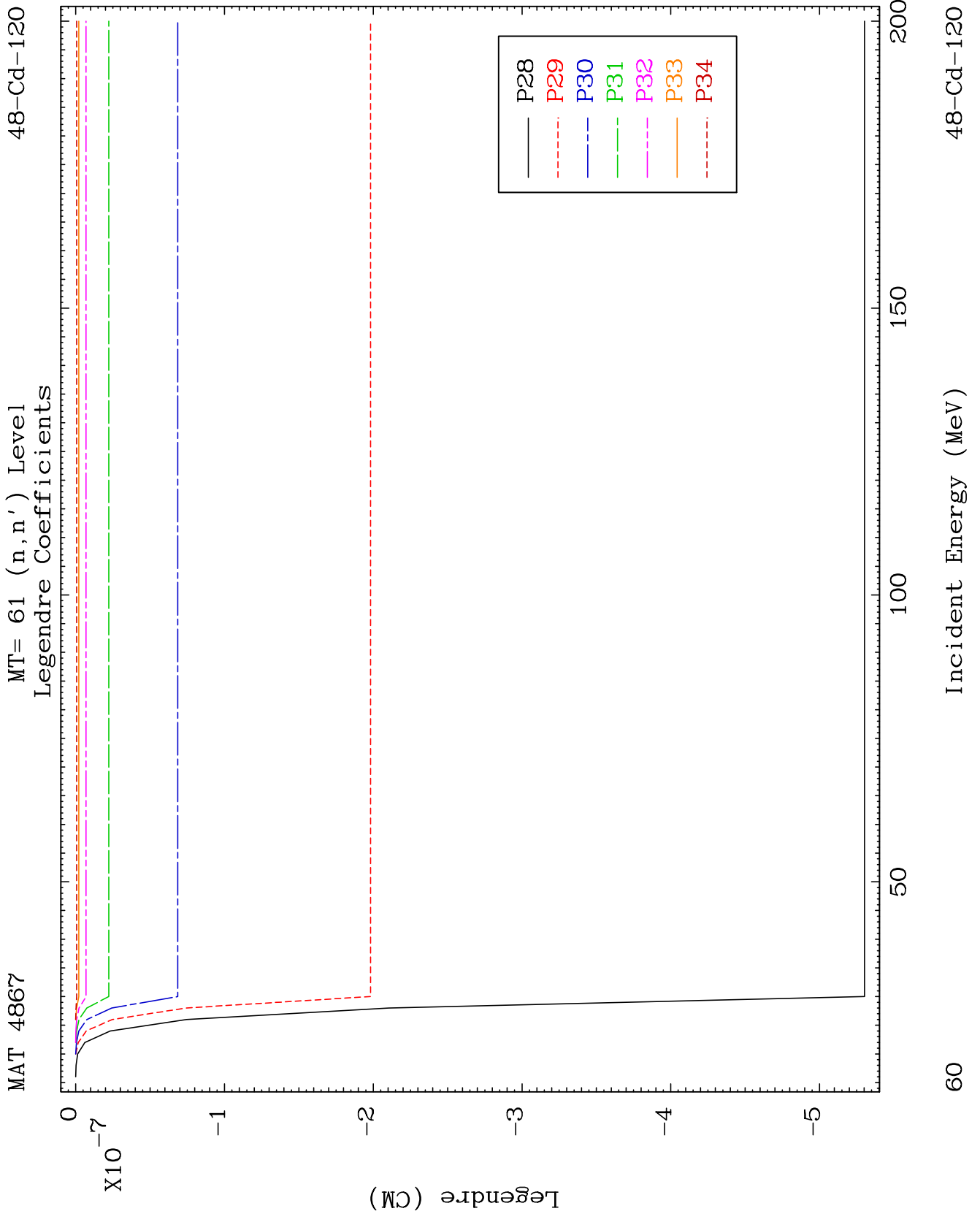
48-Cd-120

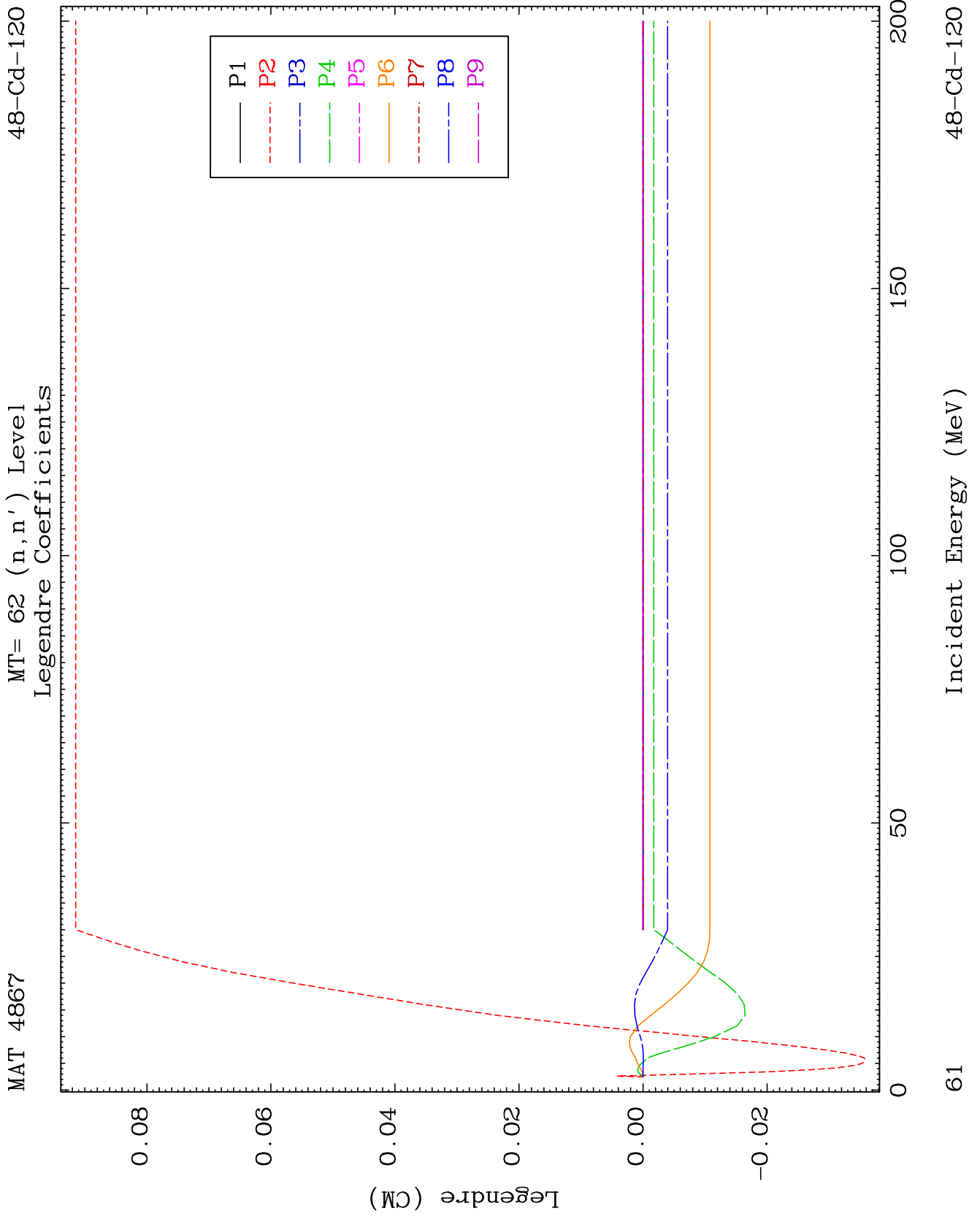
MAT 4867

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

48-Cd-120



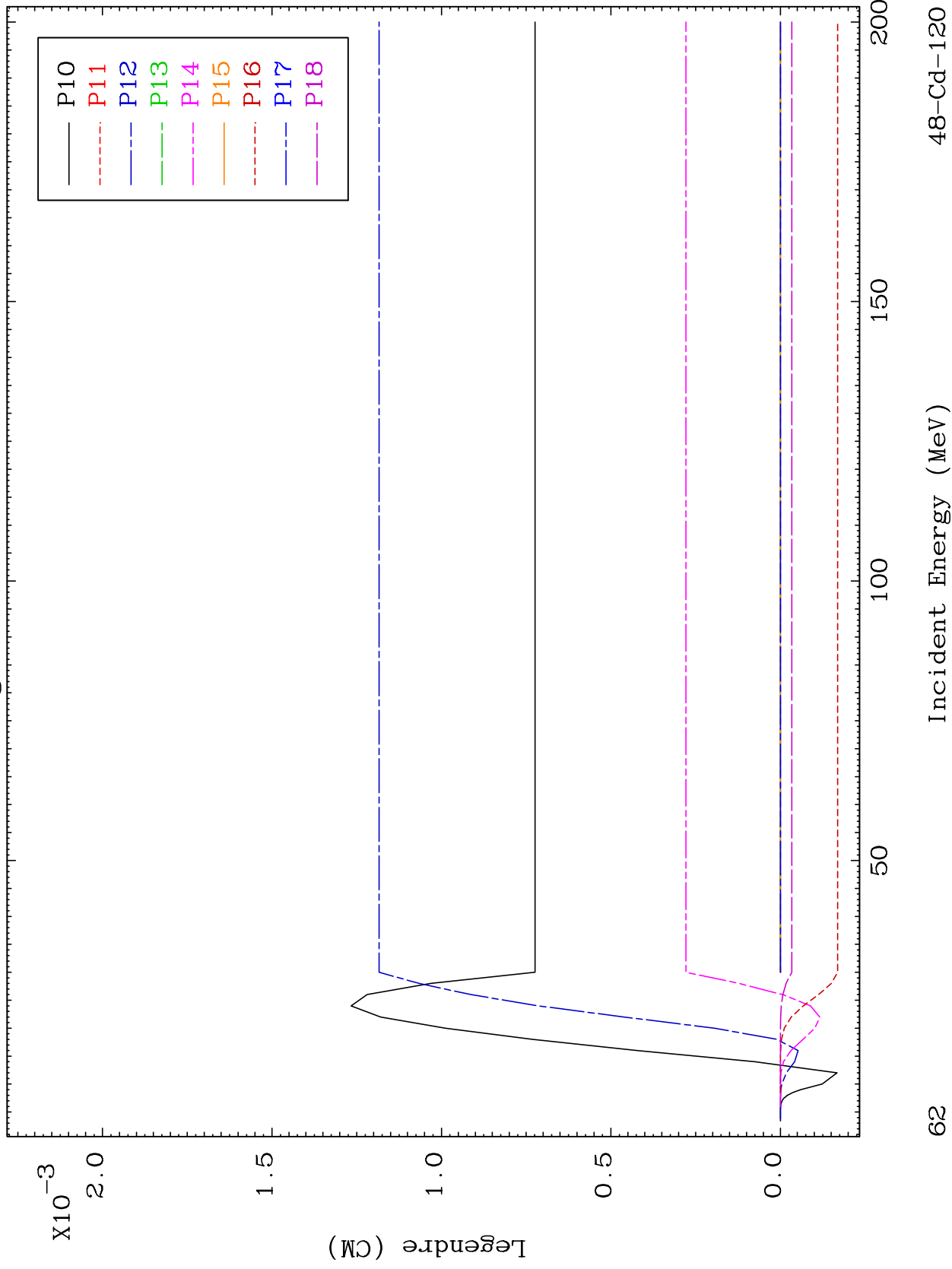




MAT 4867

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

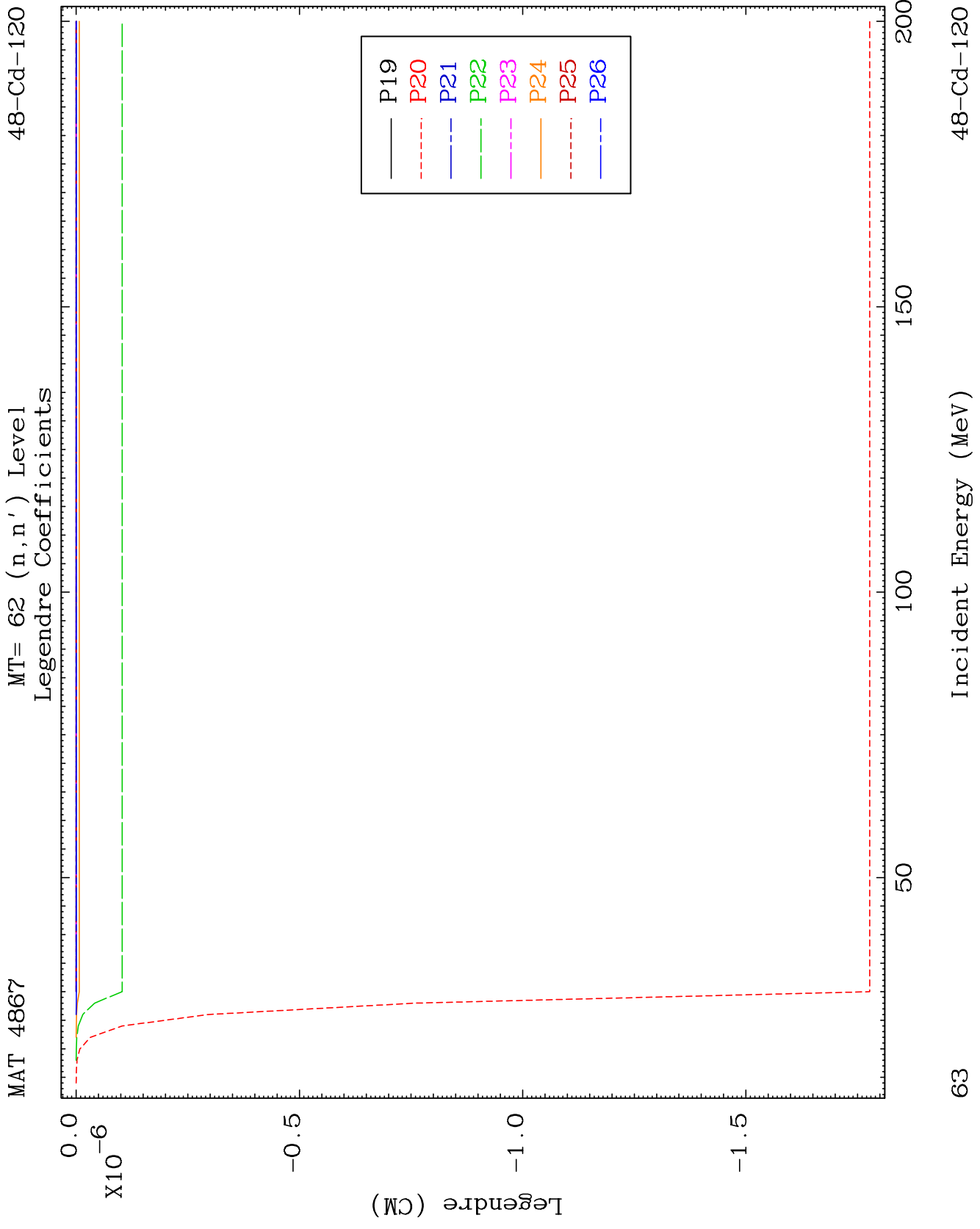
48-Cd-120



62

Incident Energy (MeV)

48-Cd-120

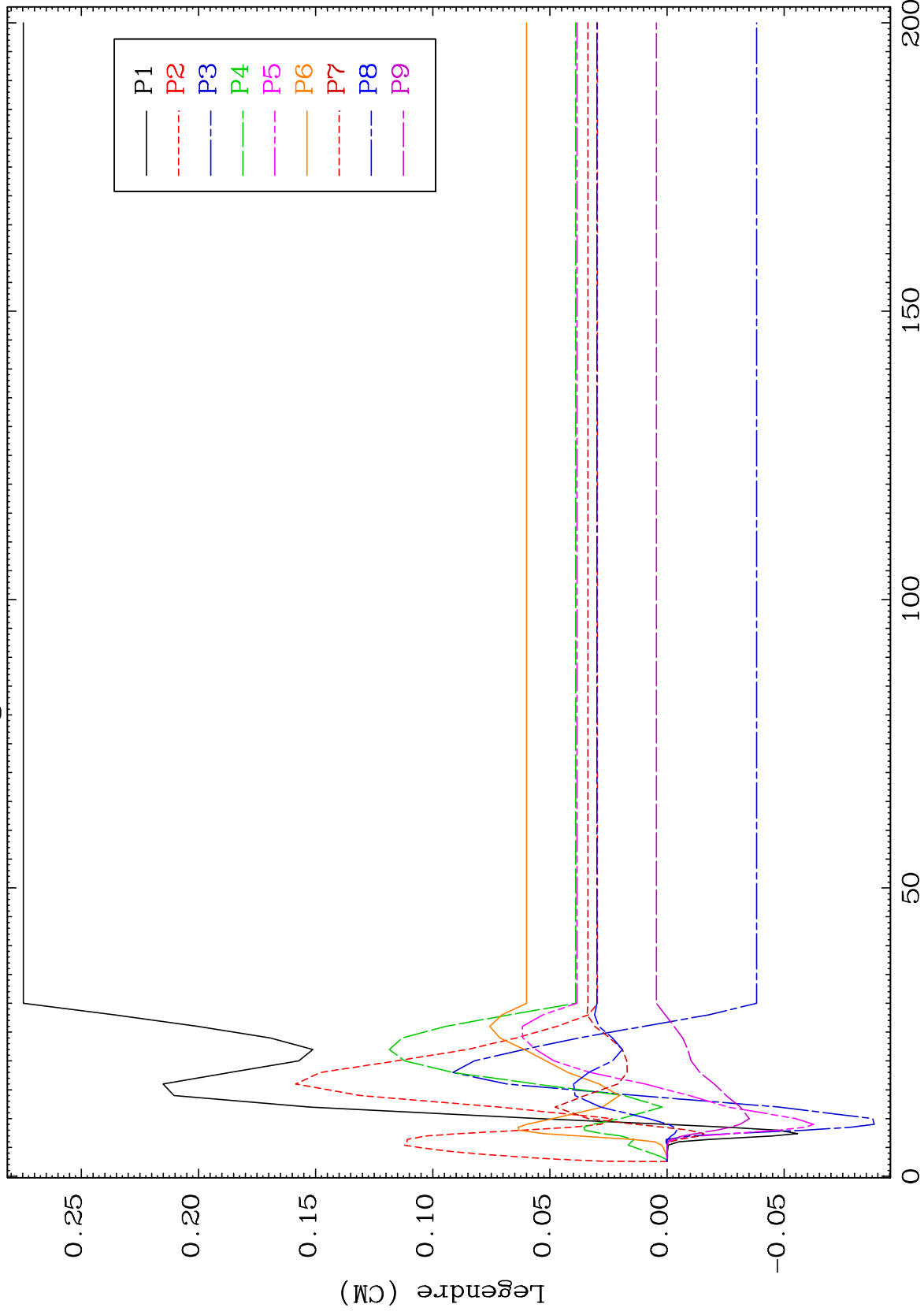




MAT 4867

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

48-Cd-120



64

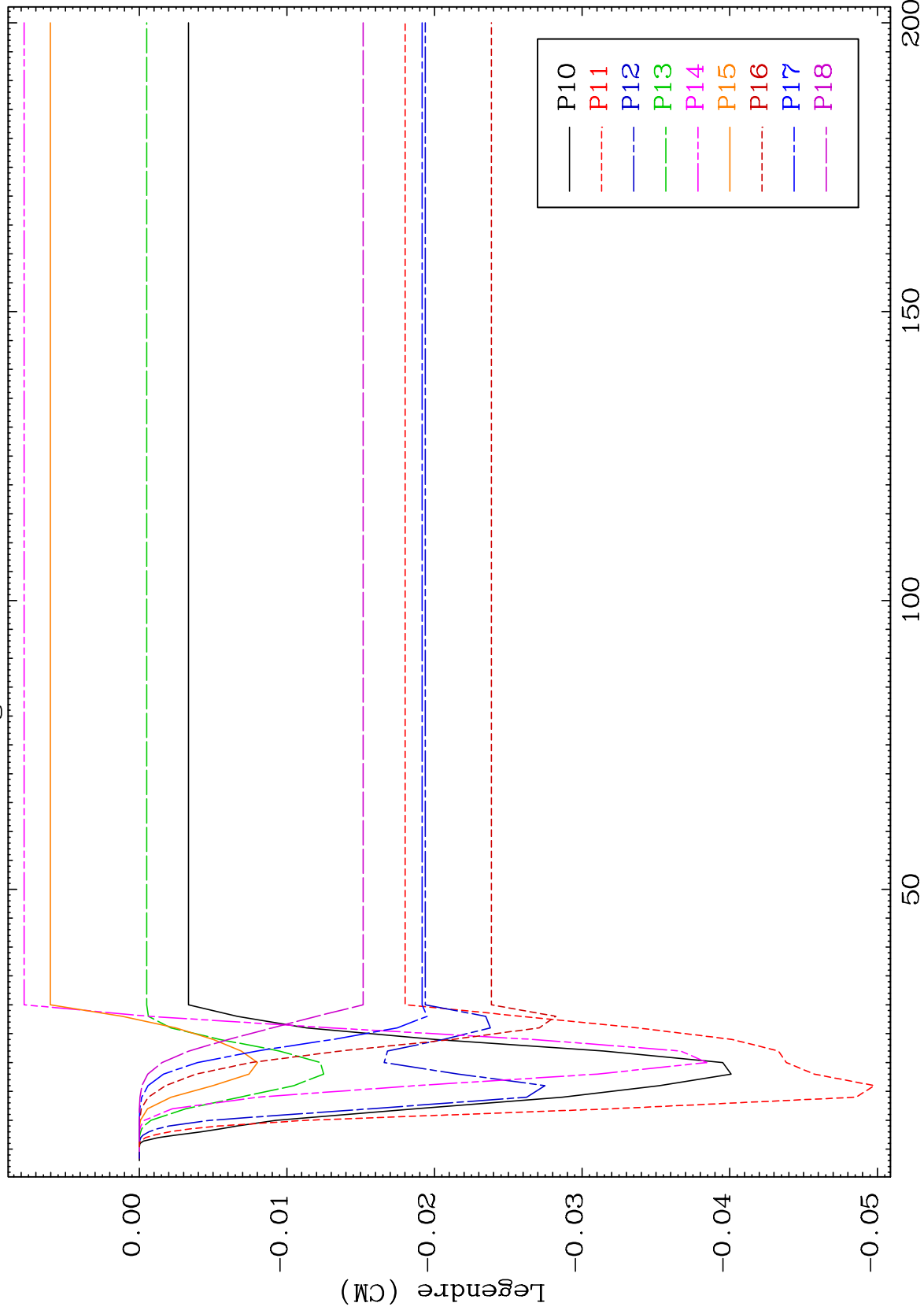
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

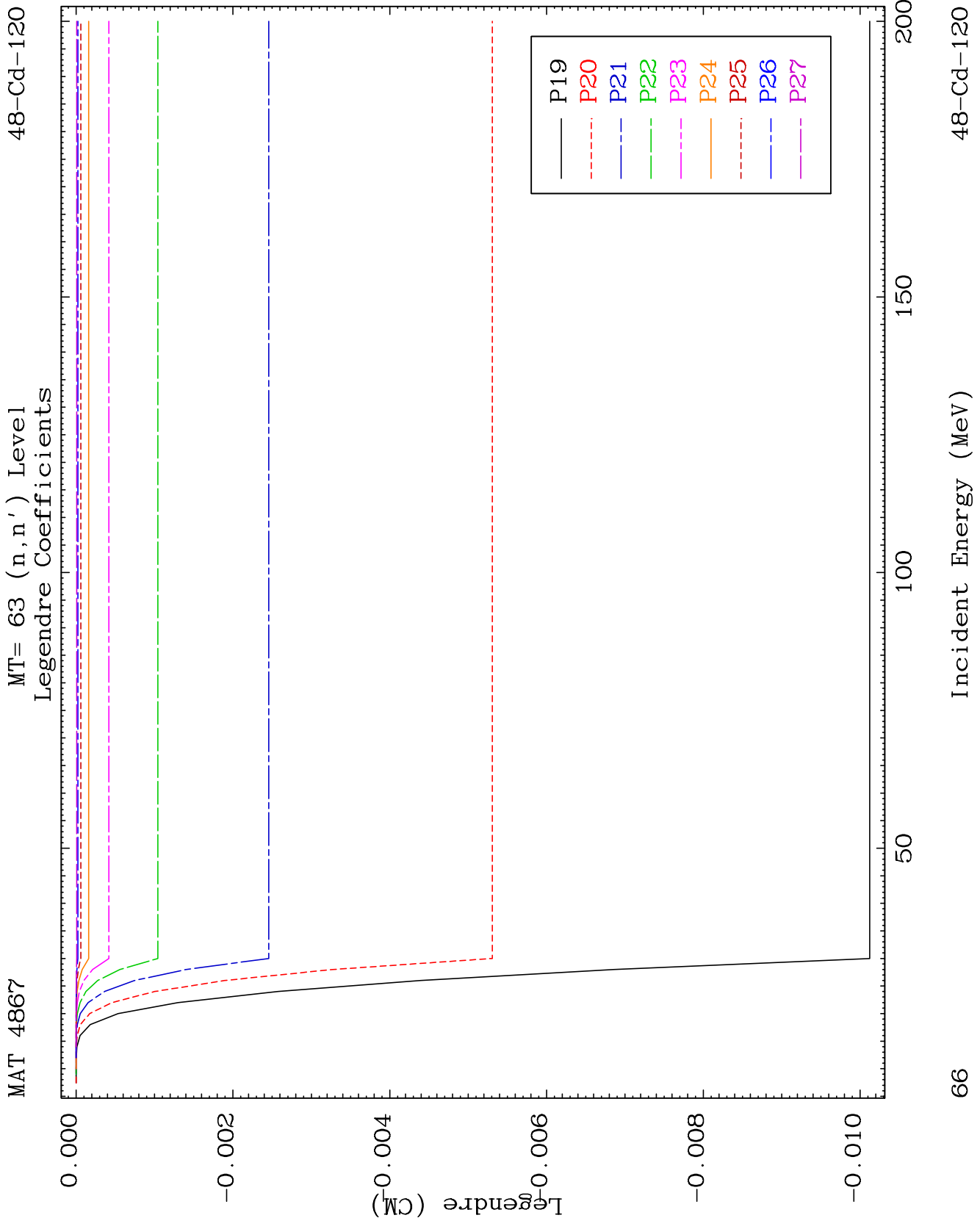
48-Cd-120

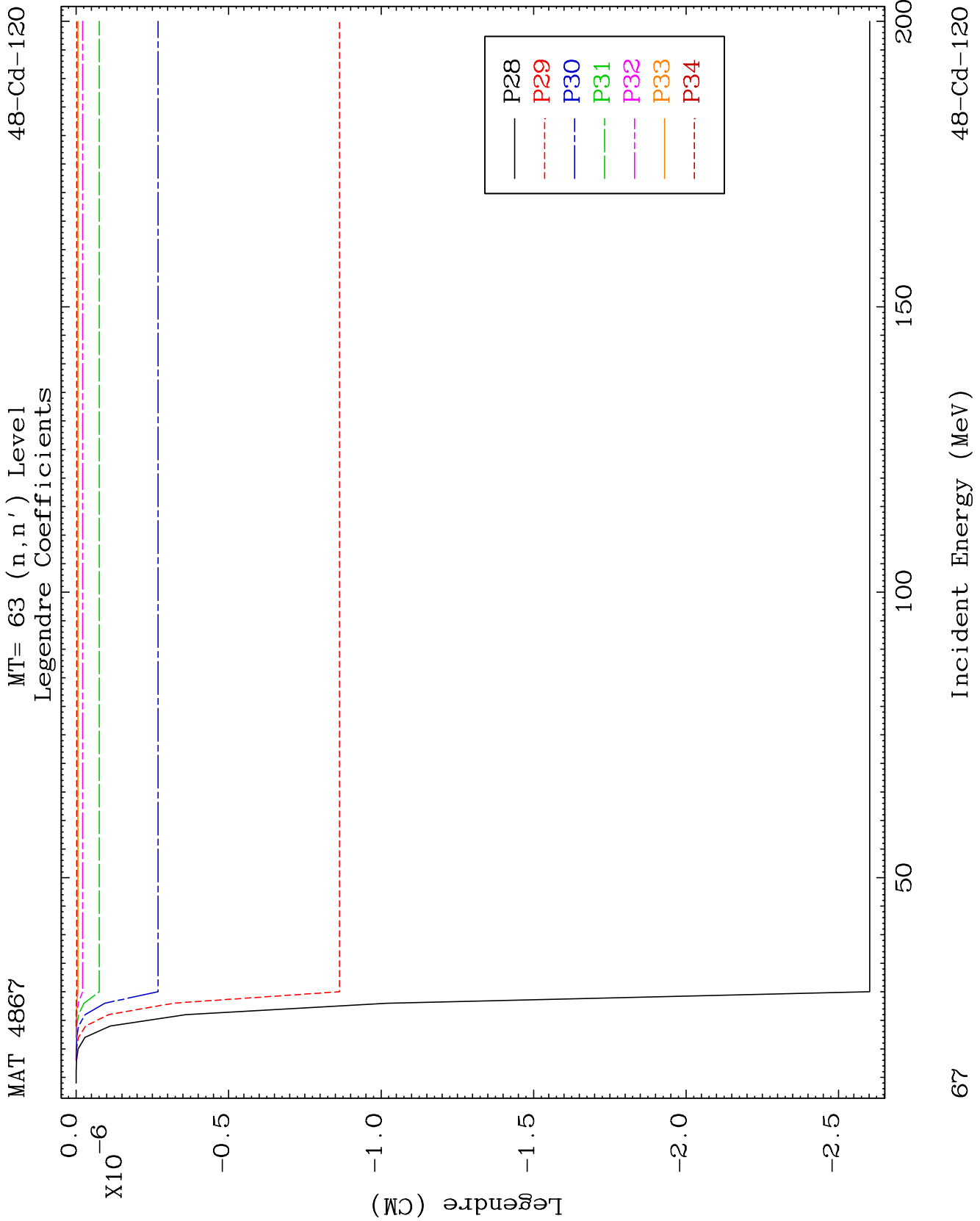


65

Incident Energy (MeV)

48-Cd-120

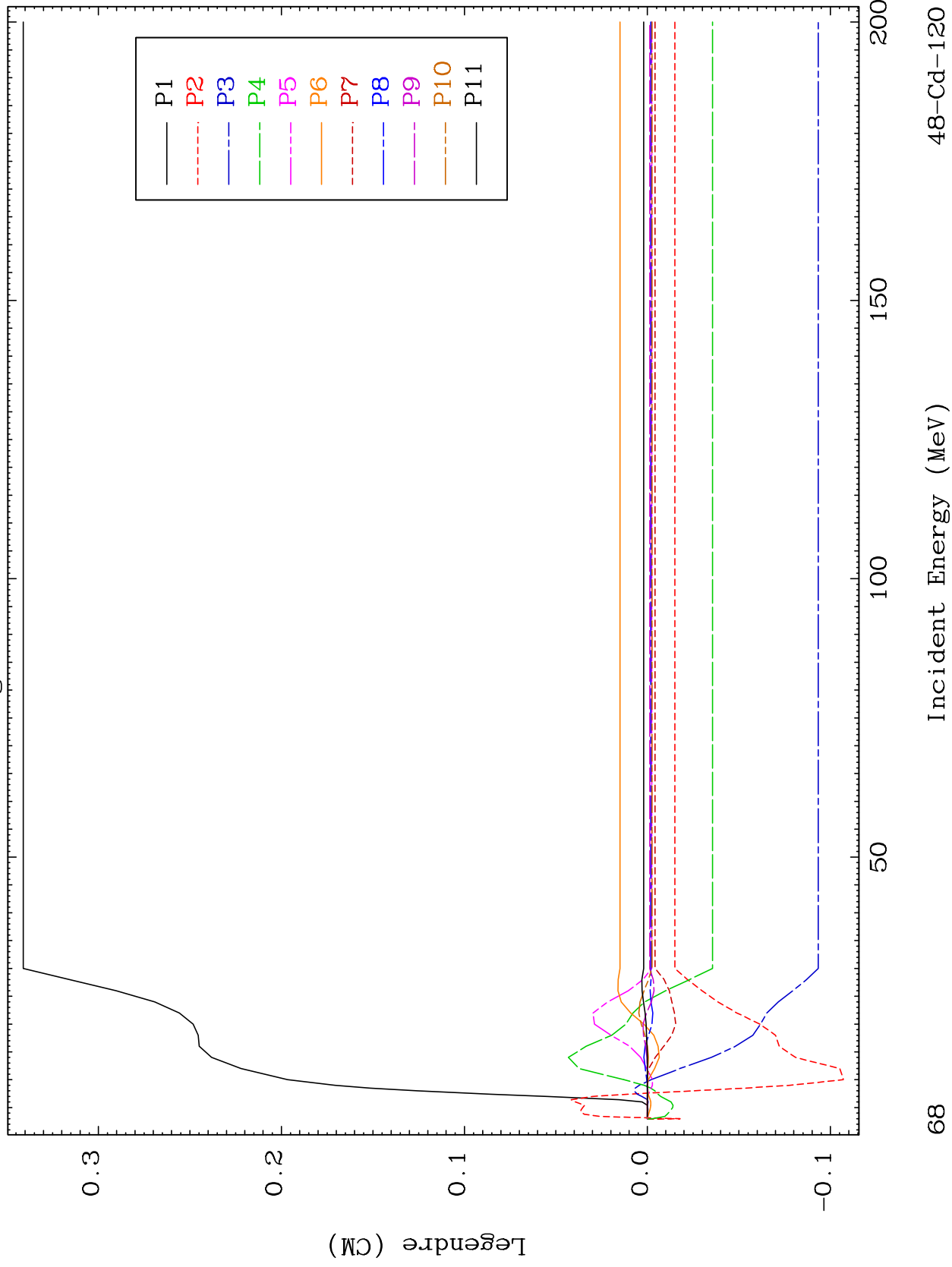




MAT 4867

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

48-Cd-120



48-Cd-120

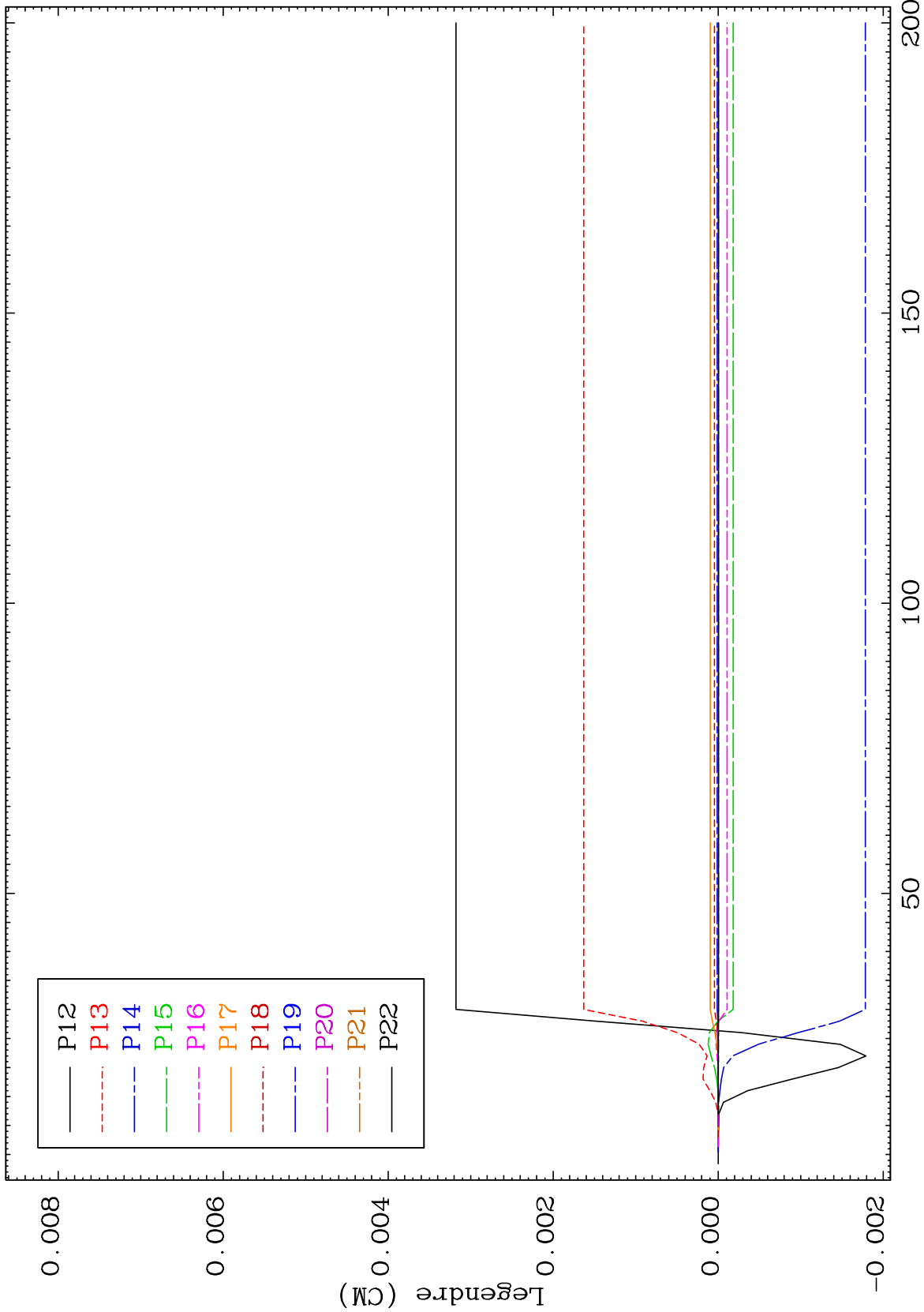
Incident Energy (MeV)

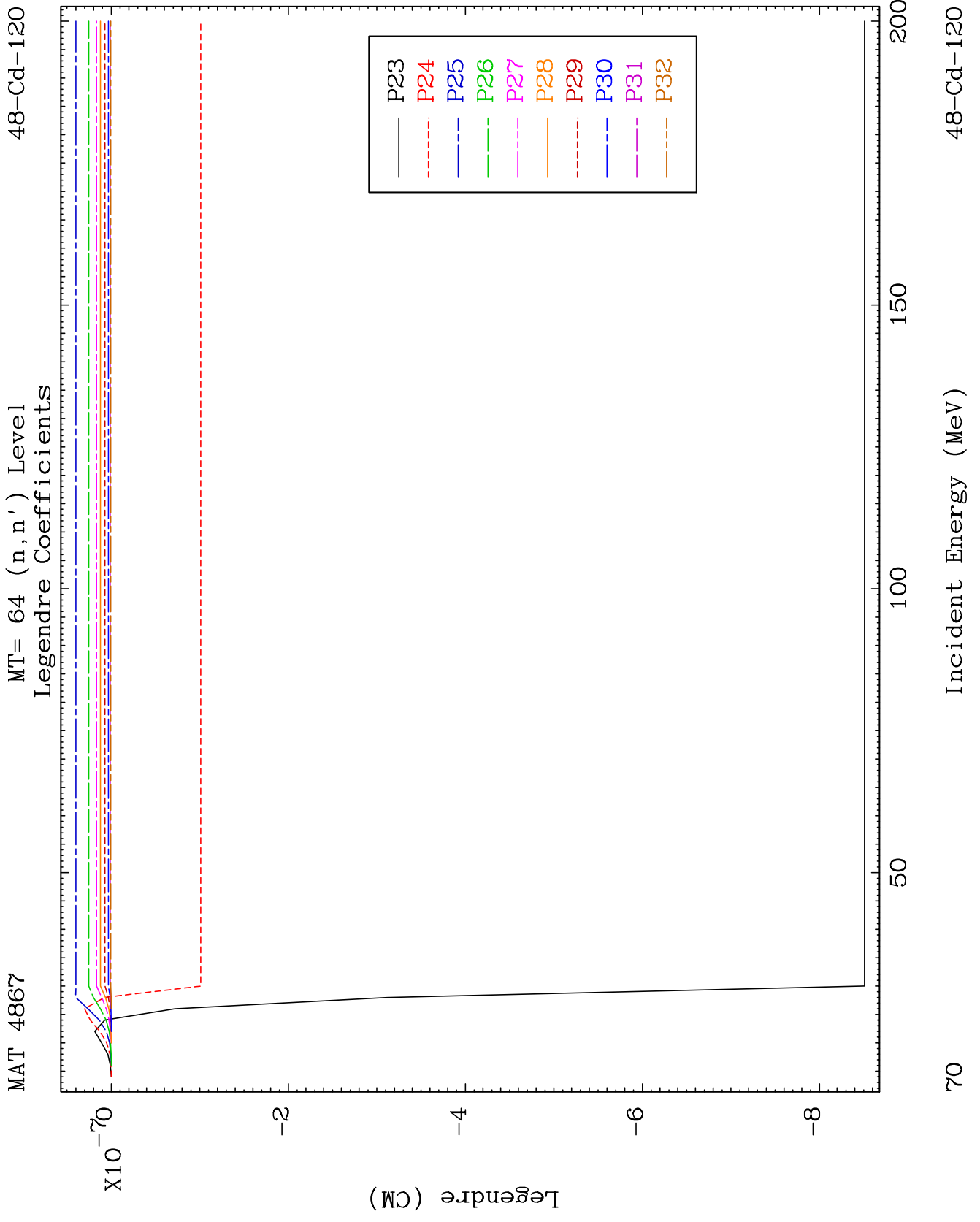
68

MAT 4867

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

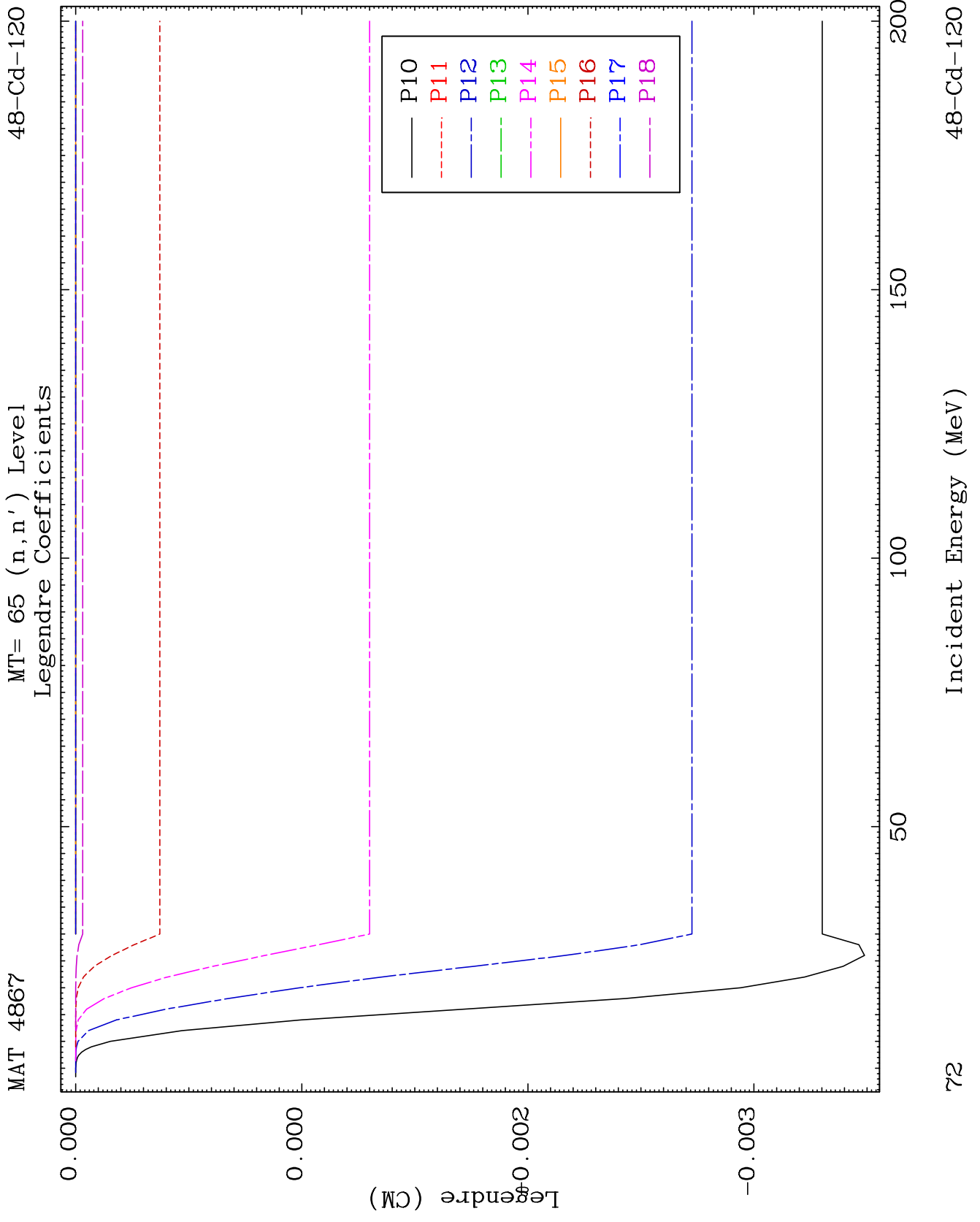
48-Cd-120

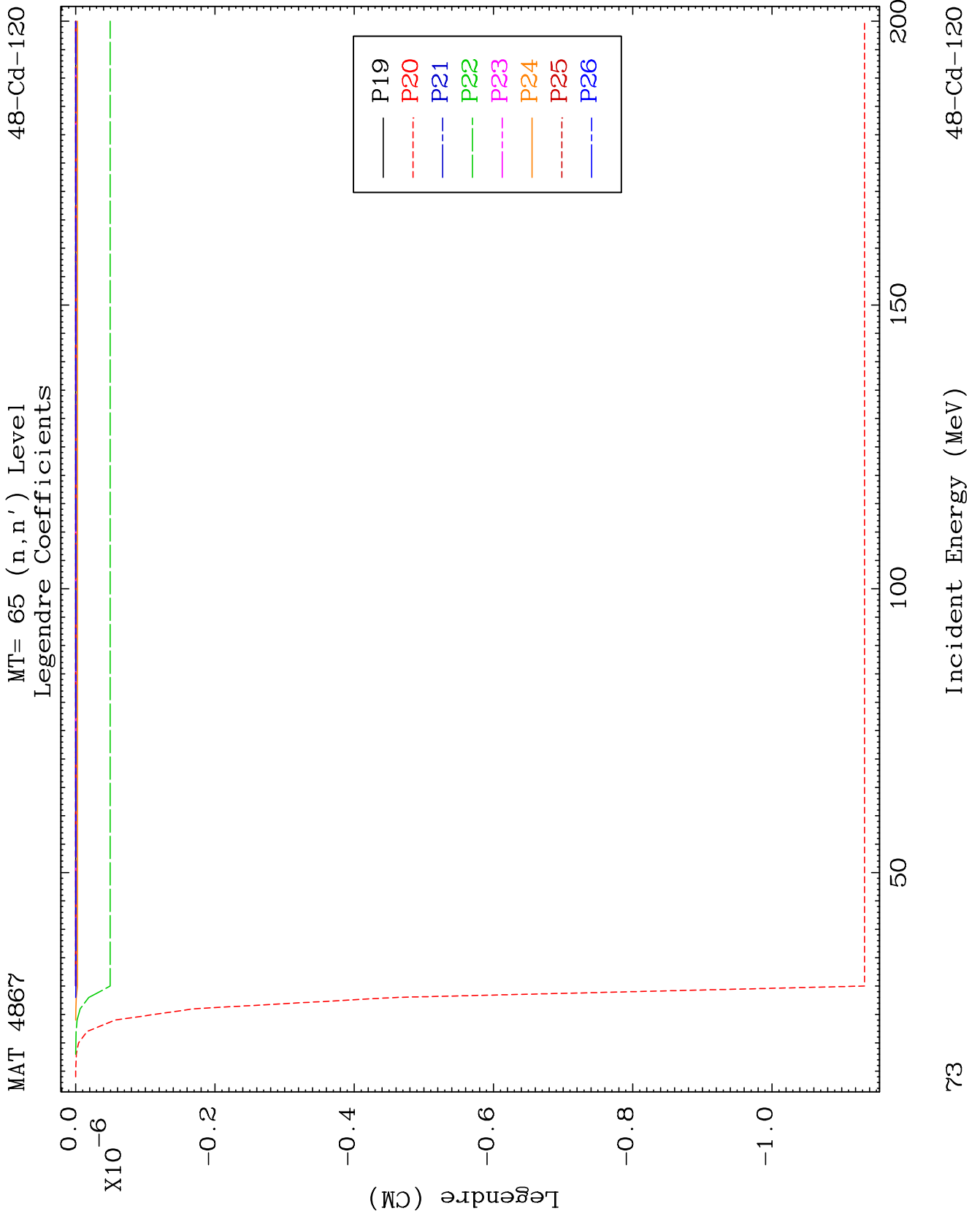








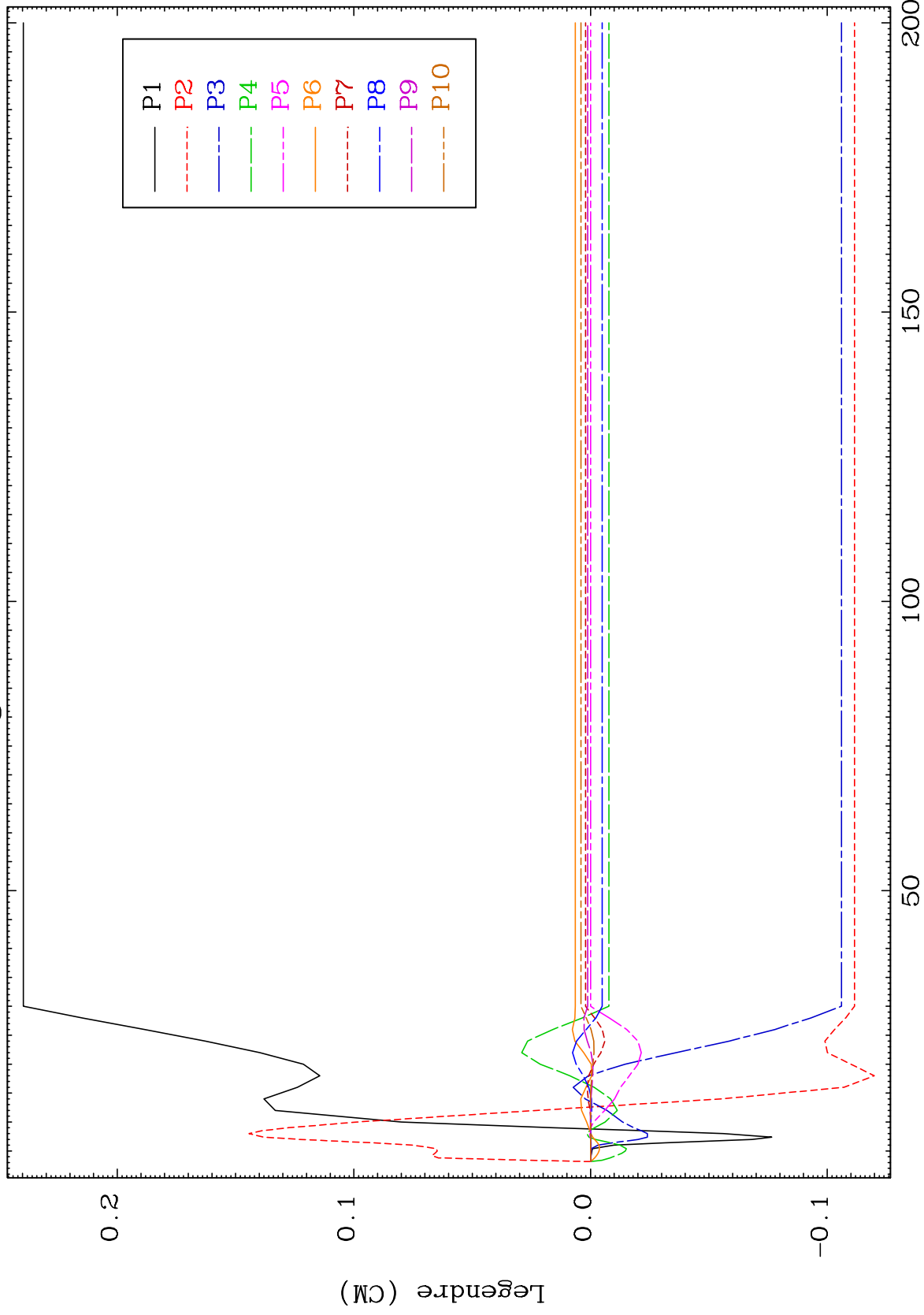




MAT 4867

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

48-Cd-120



74

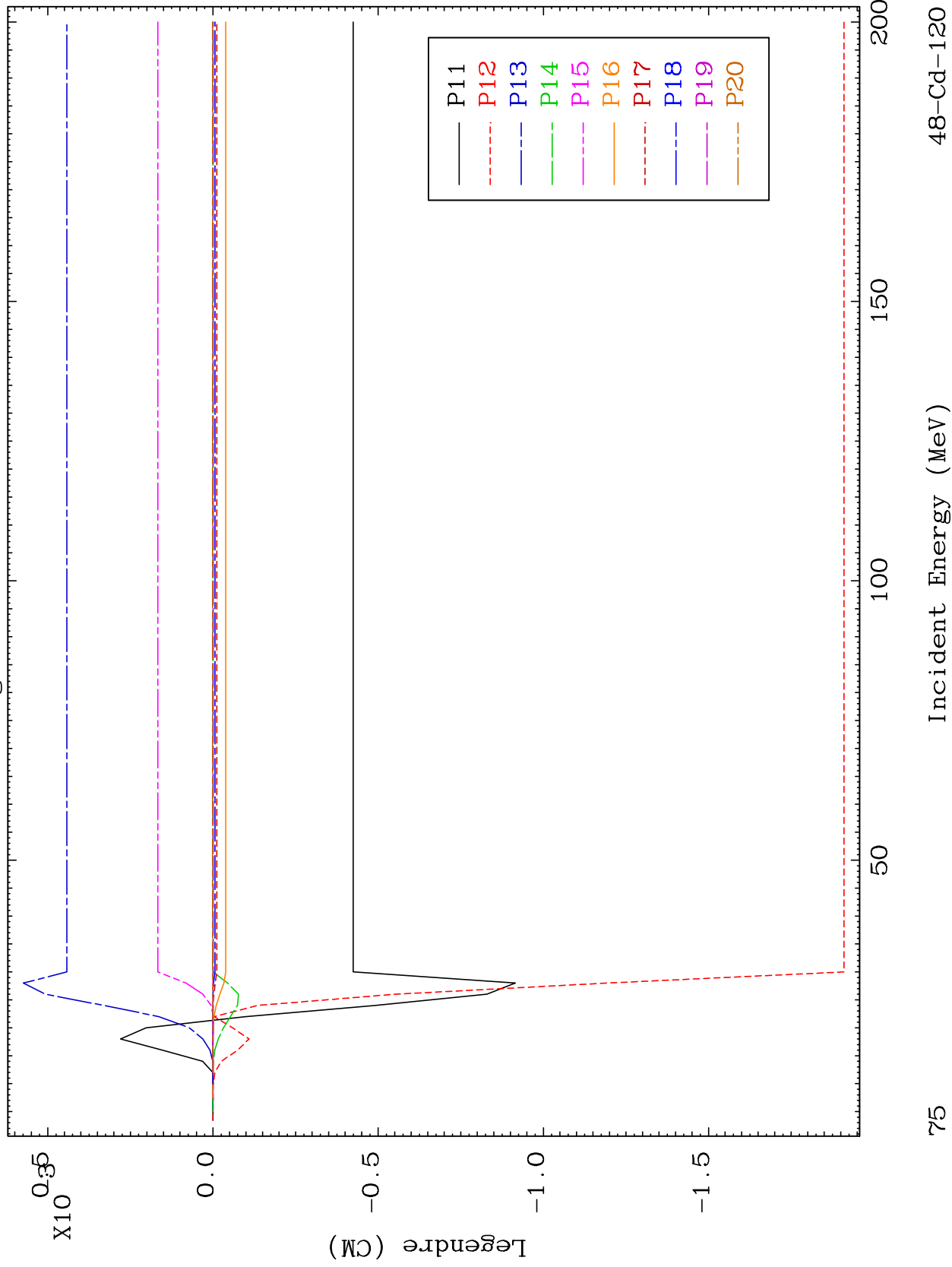
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



75

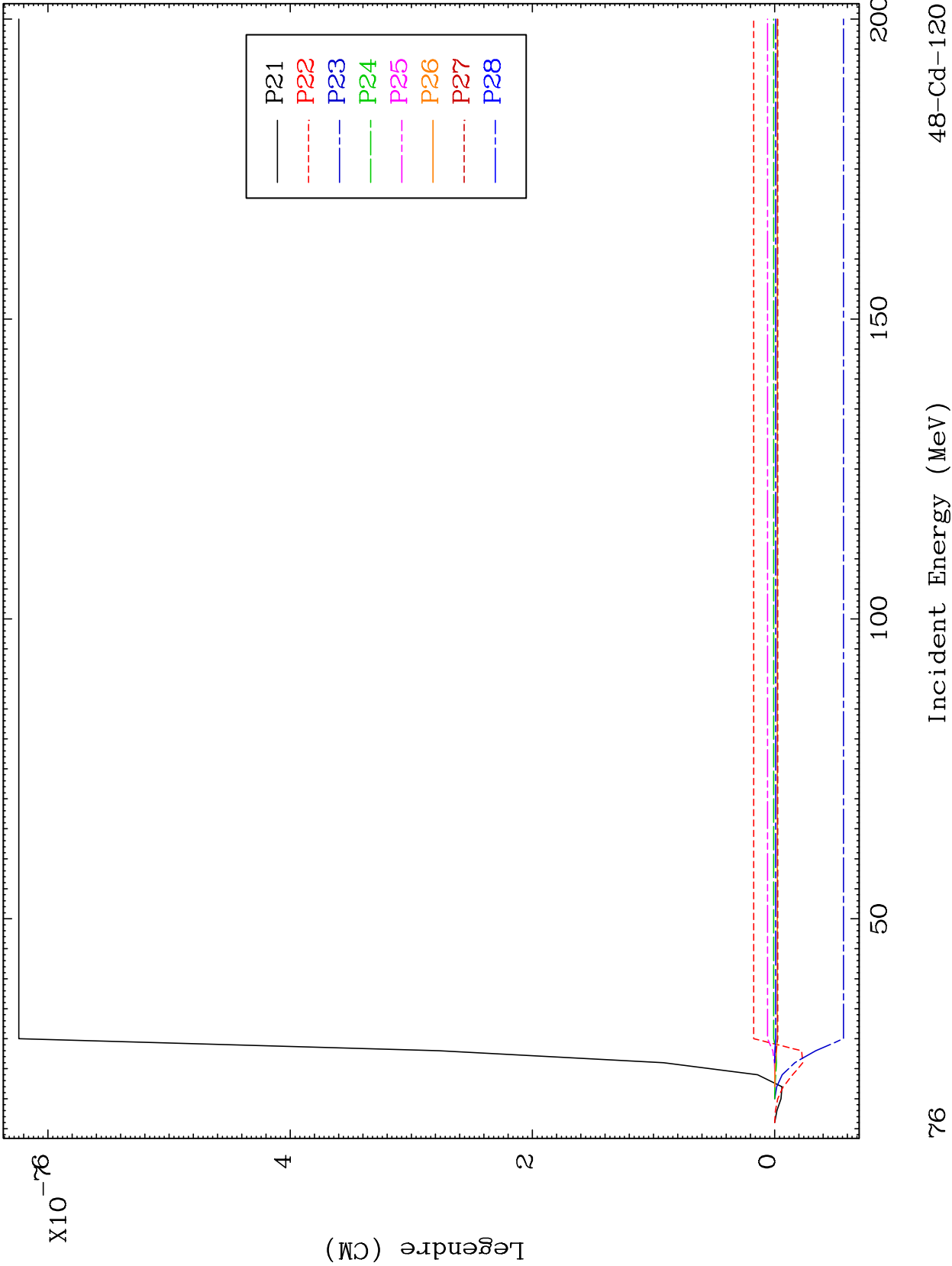
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



76

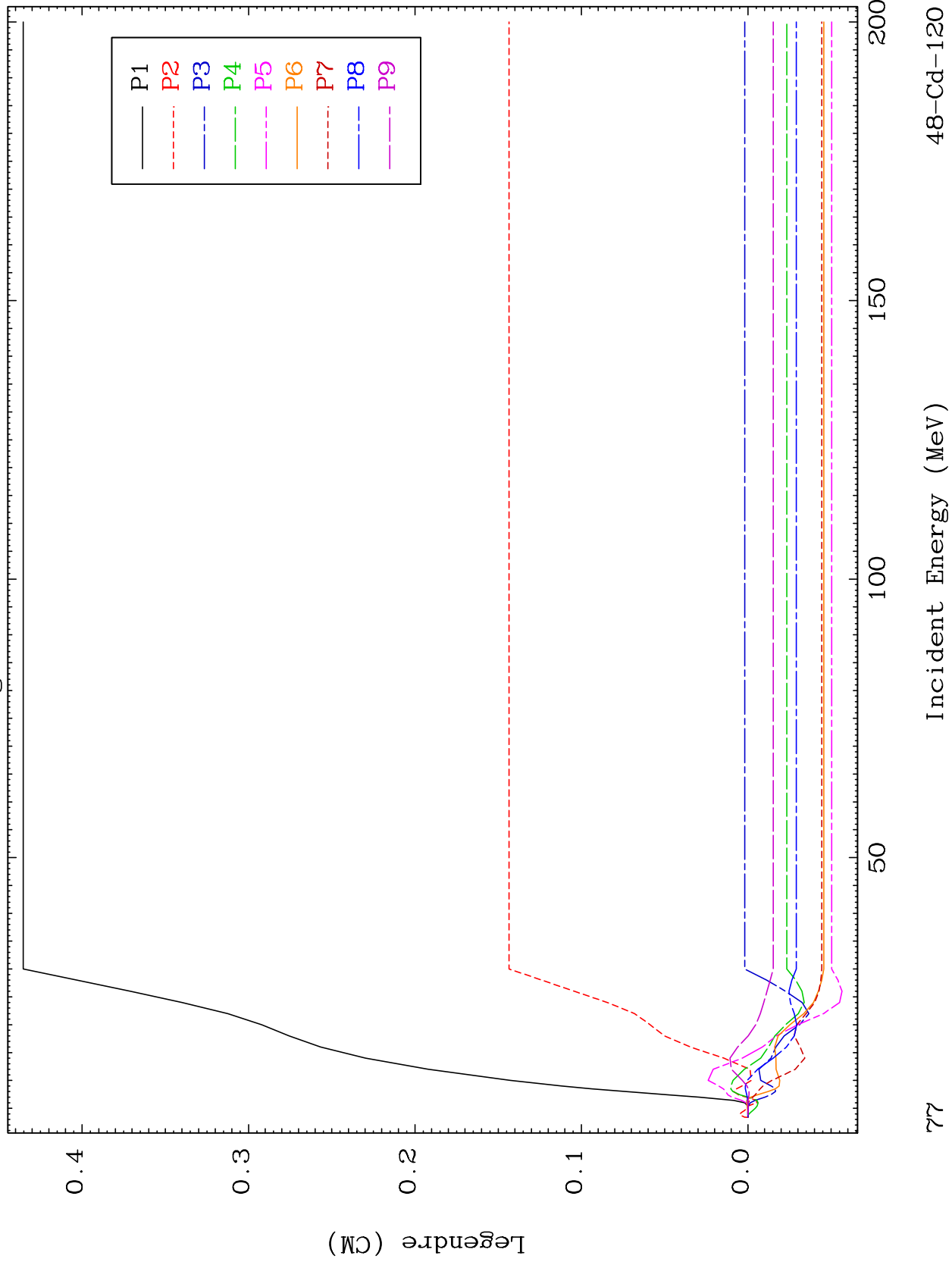
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



77

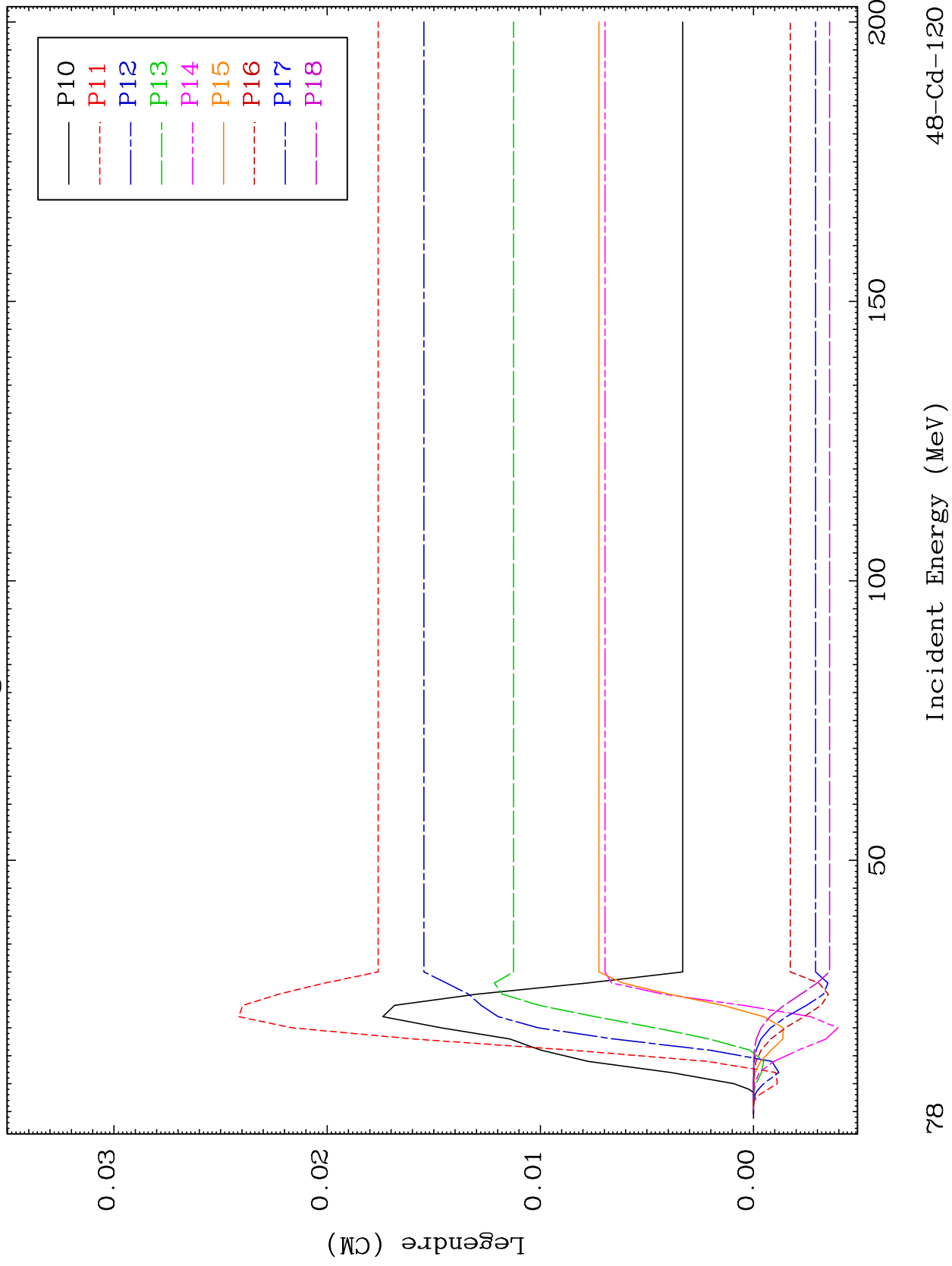
Incident Energy (MeV)

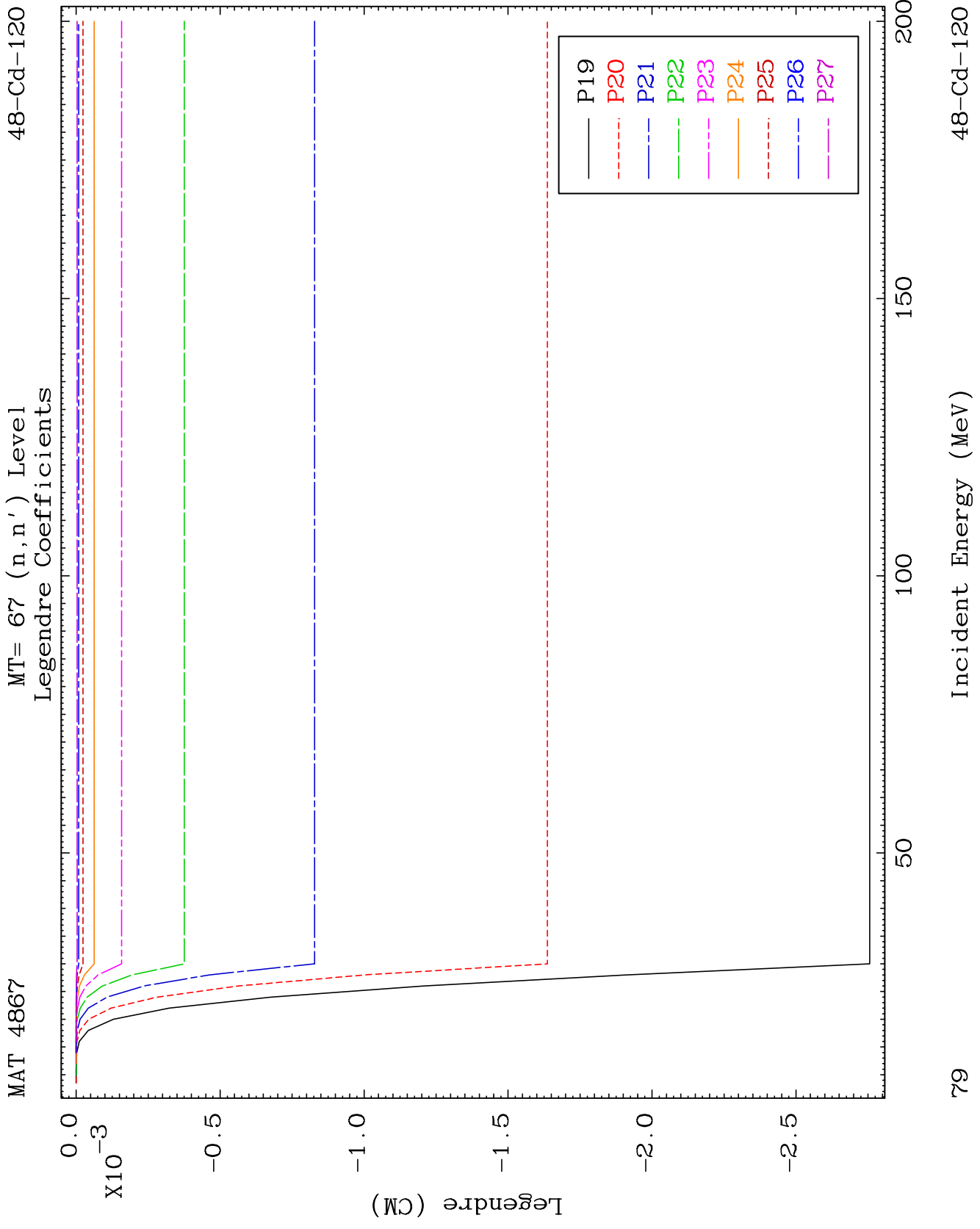
48-Cd-120

MAT 4867

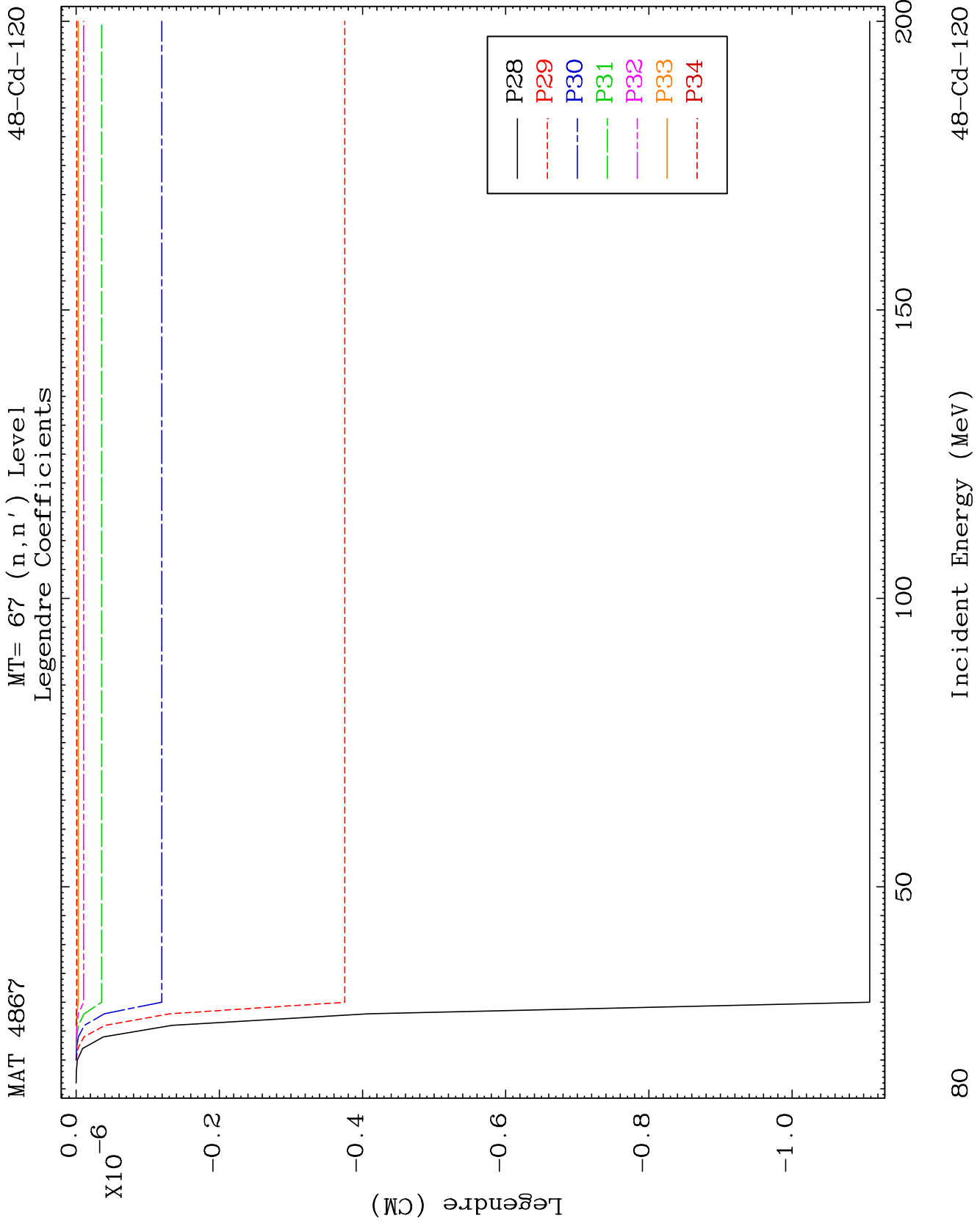
MT= 67 (n,n') Level  
Legendre Coefficients

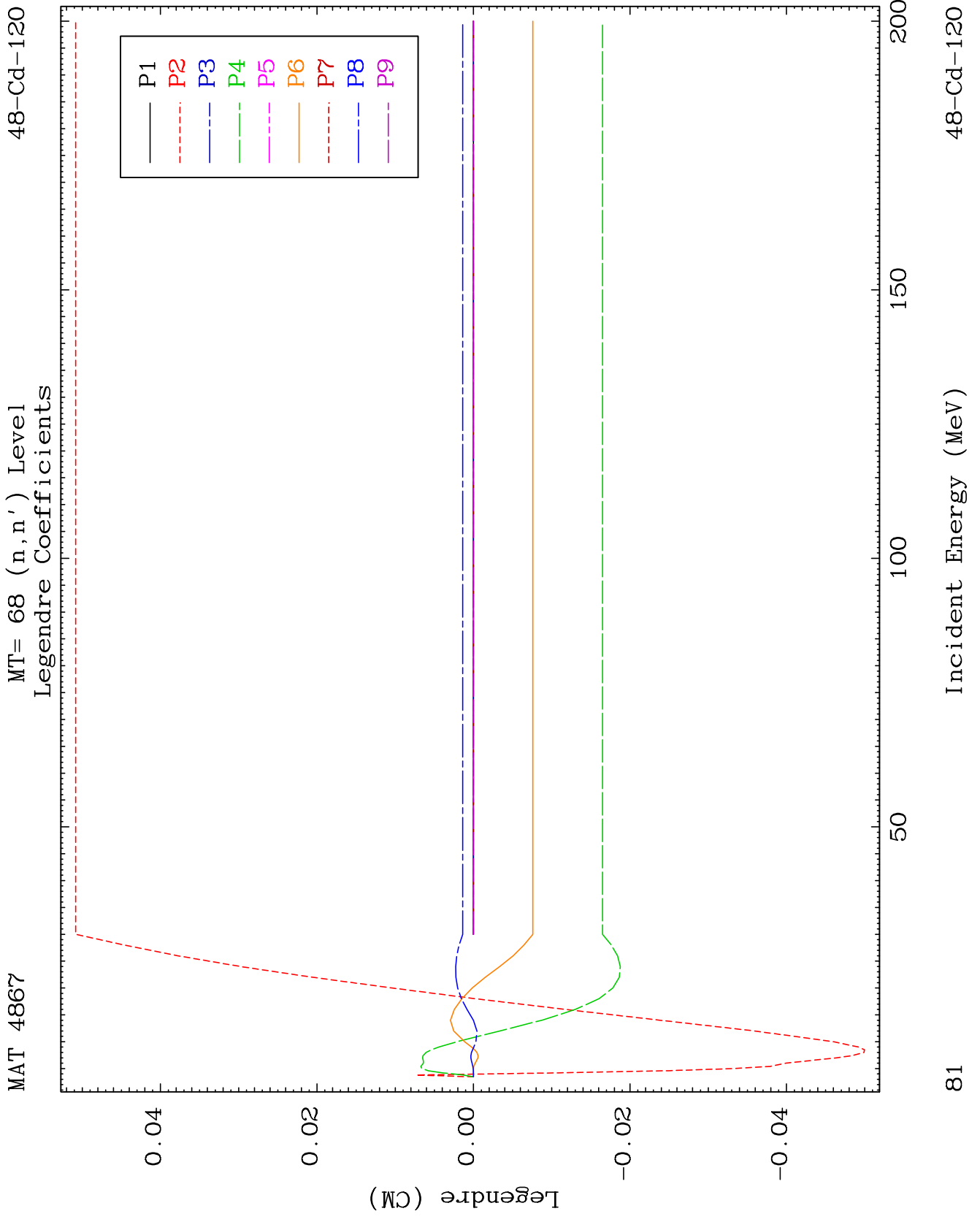
48-Cd-120







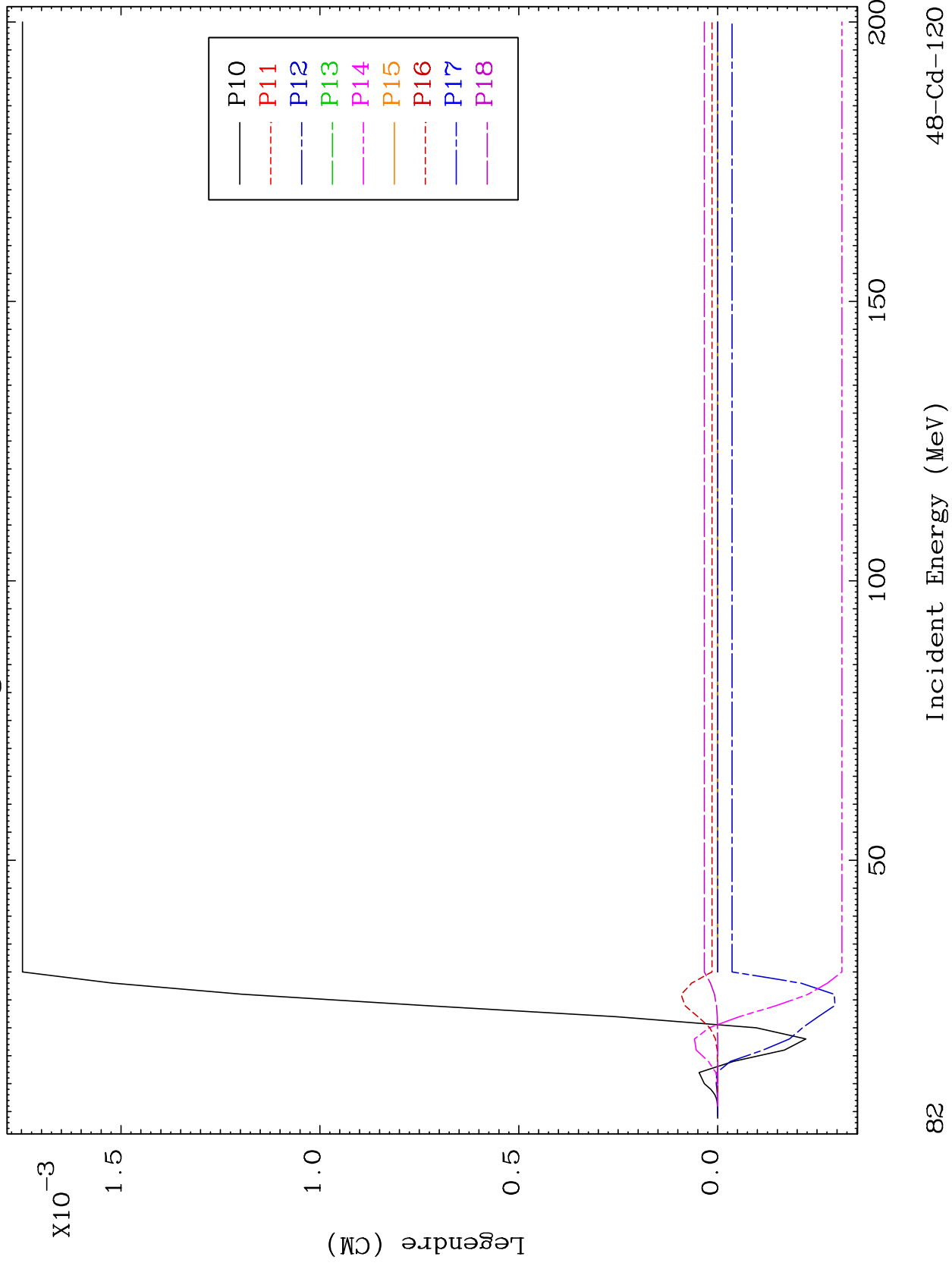




MAT 4867

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

48-Cd-120



82

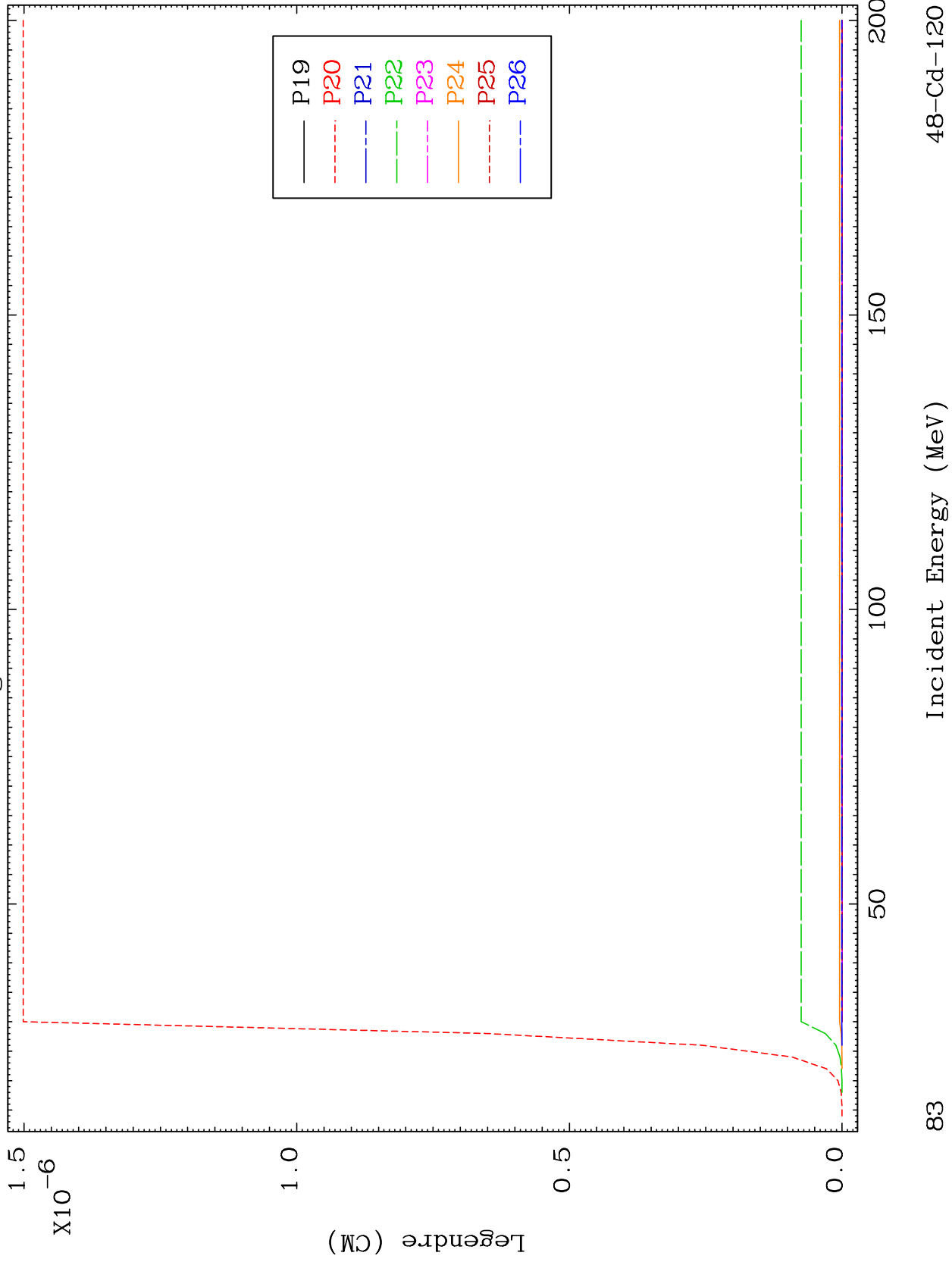
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120

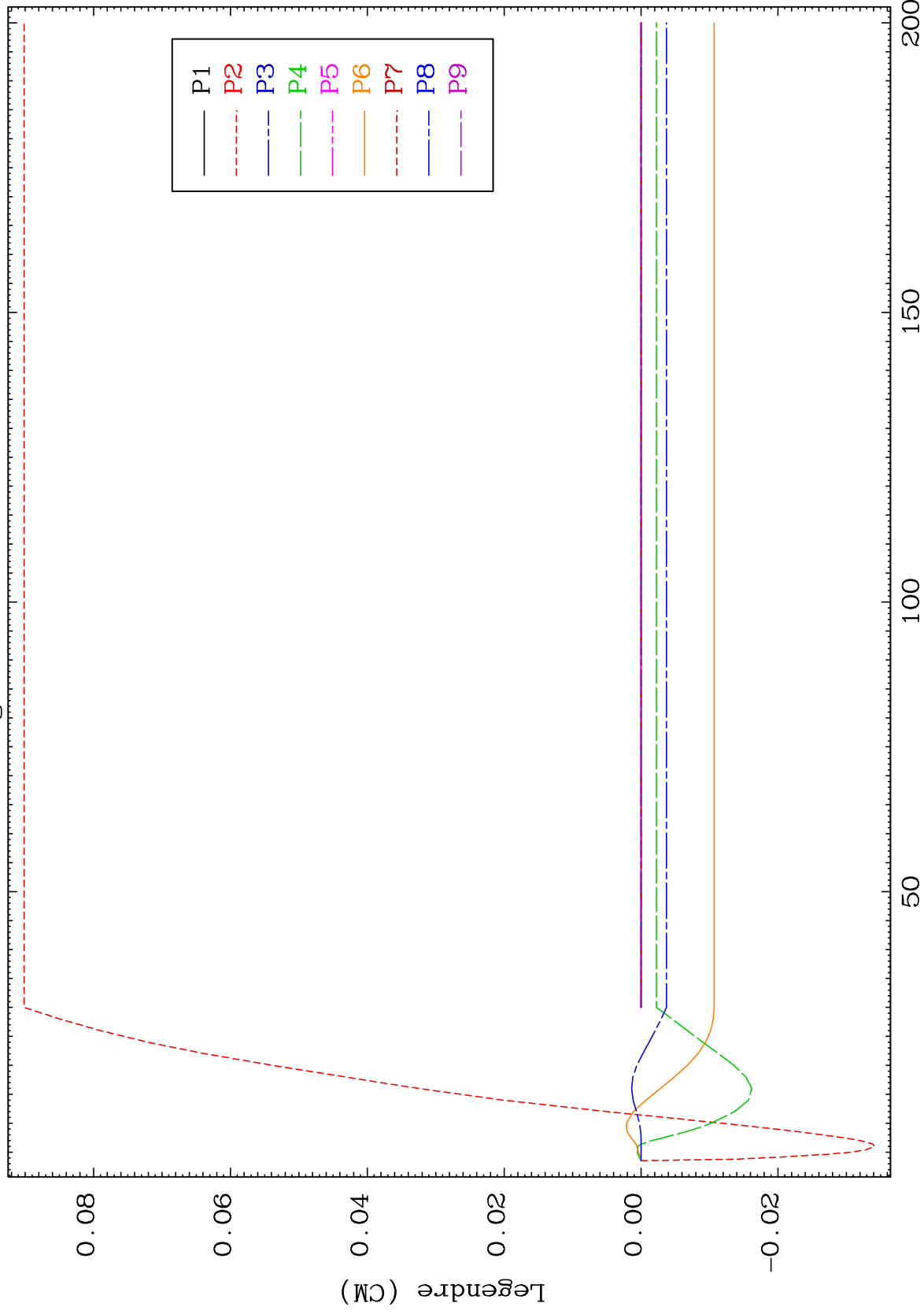


83

MAT 4867

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

48-Cd-120



84

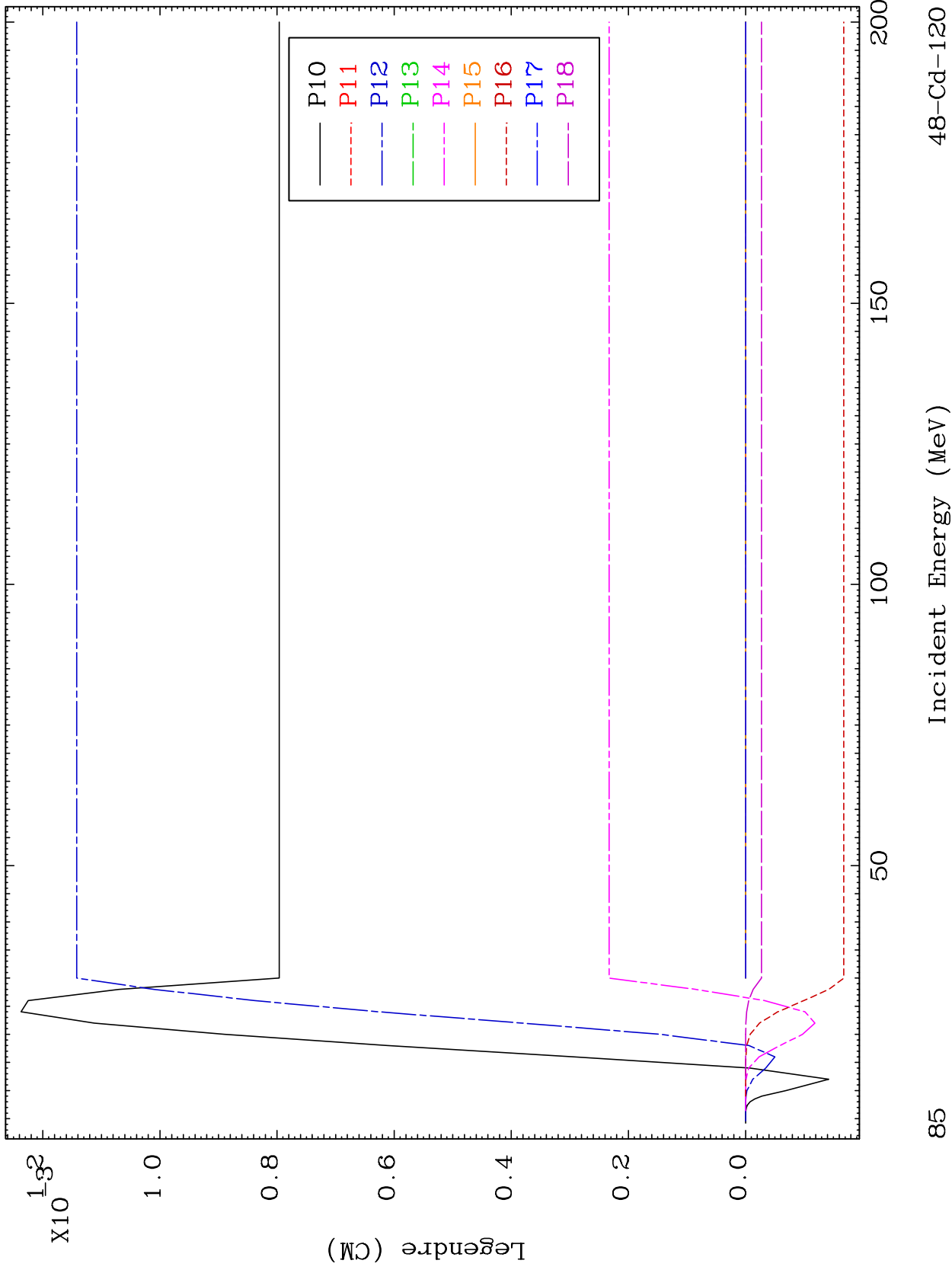
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

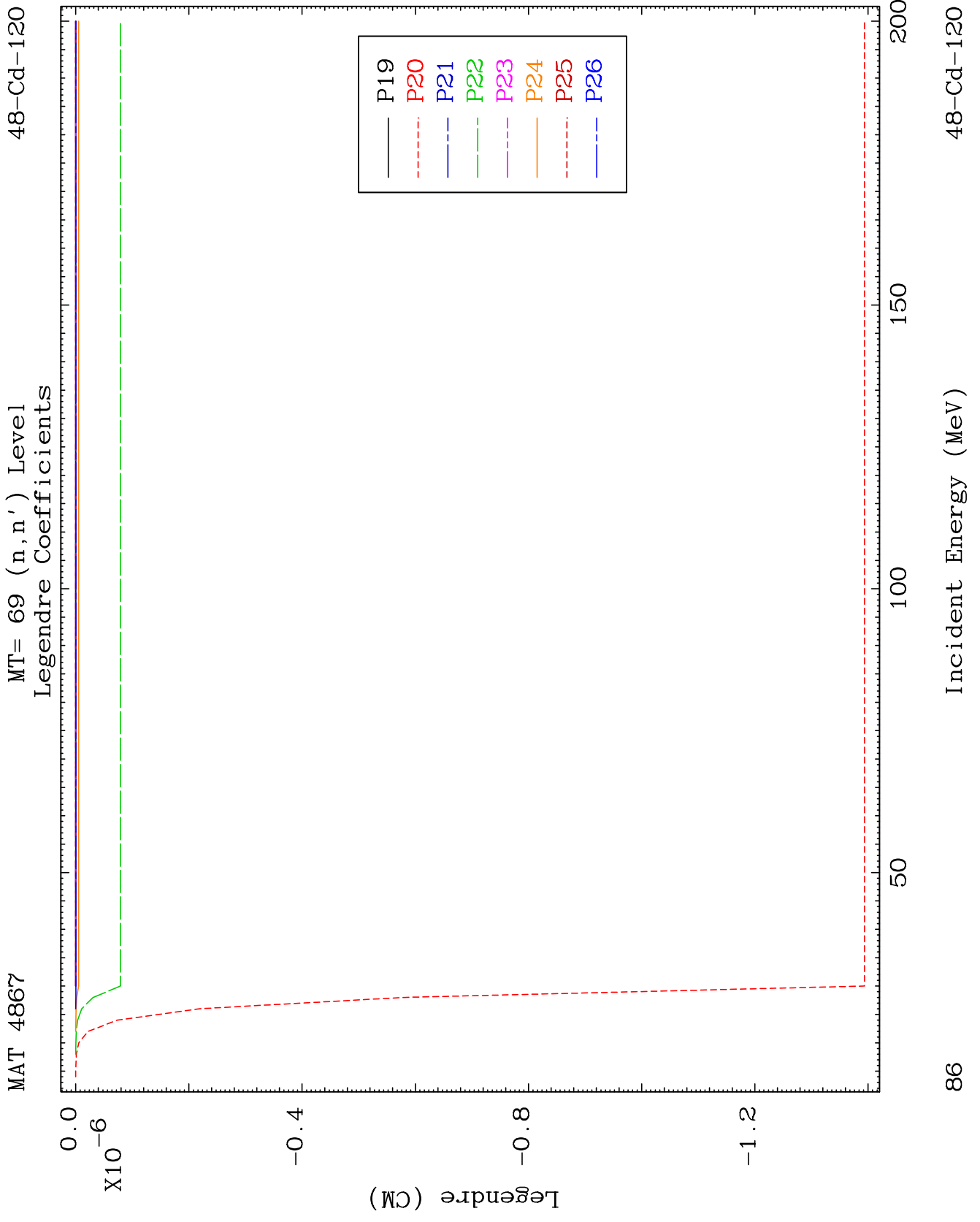
48-Cd-120

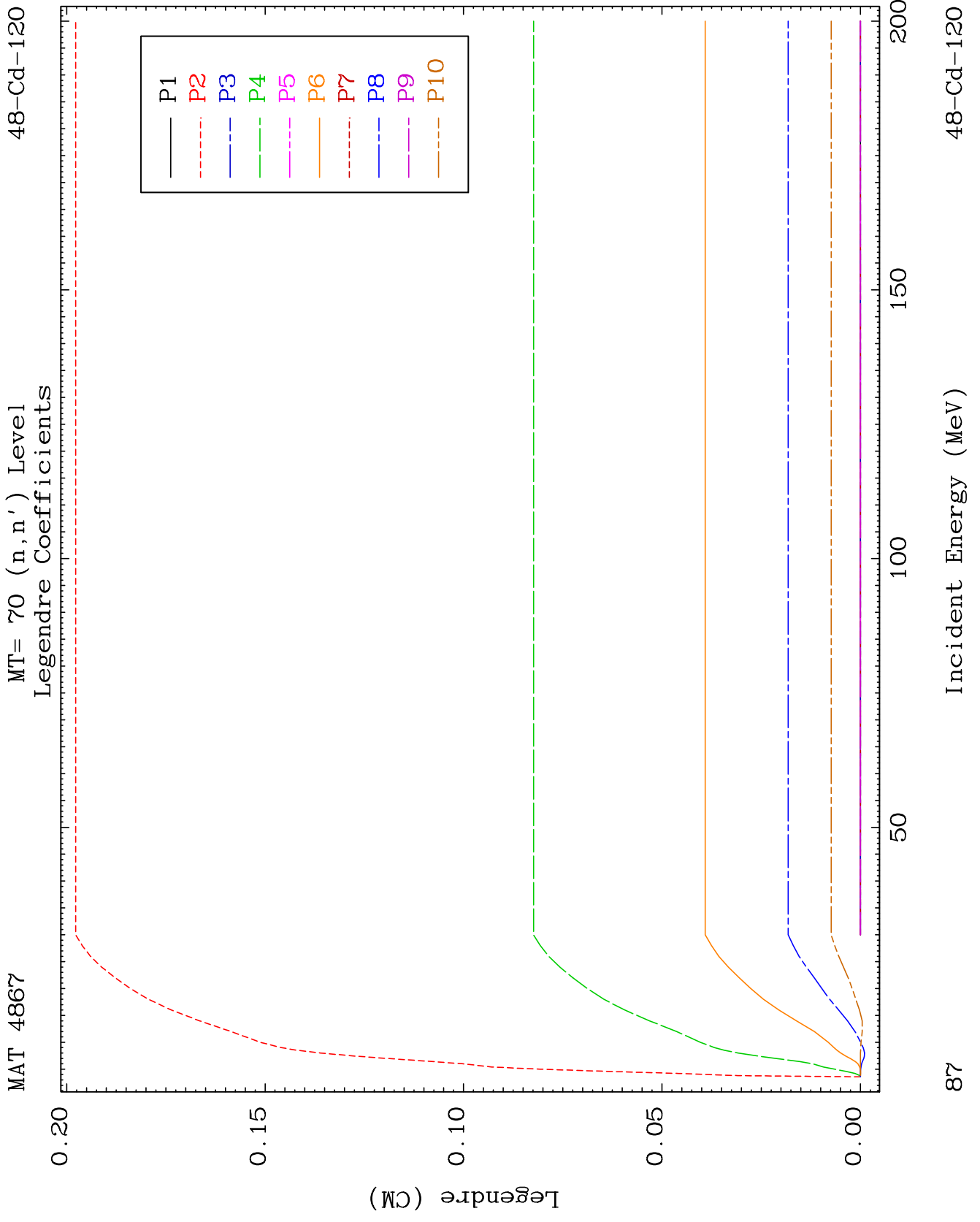


85

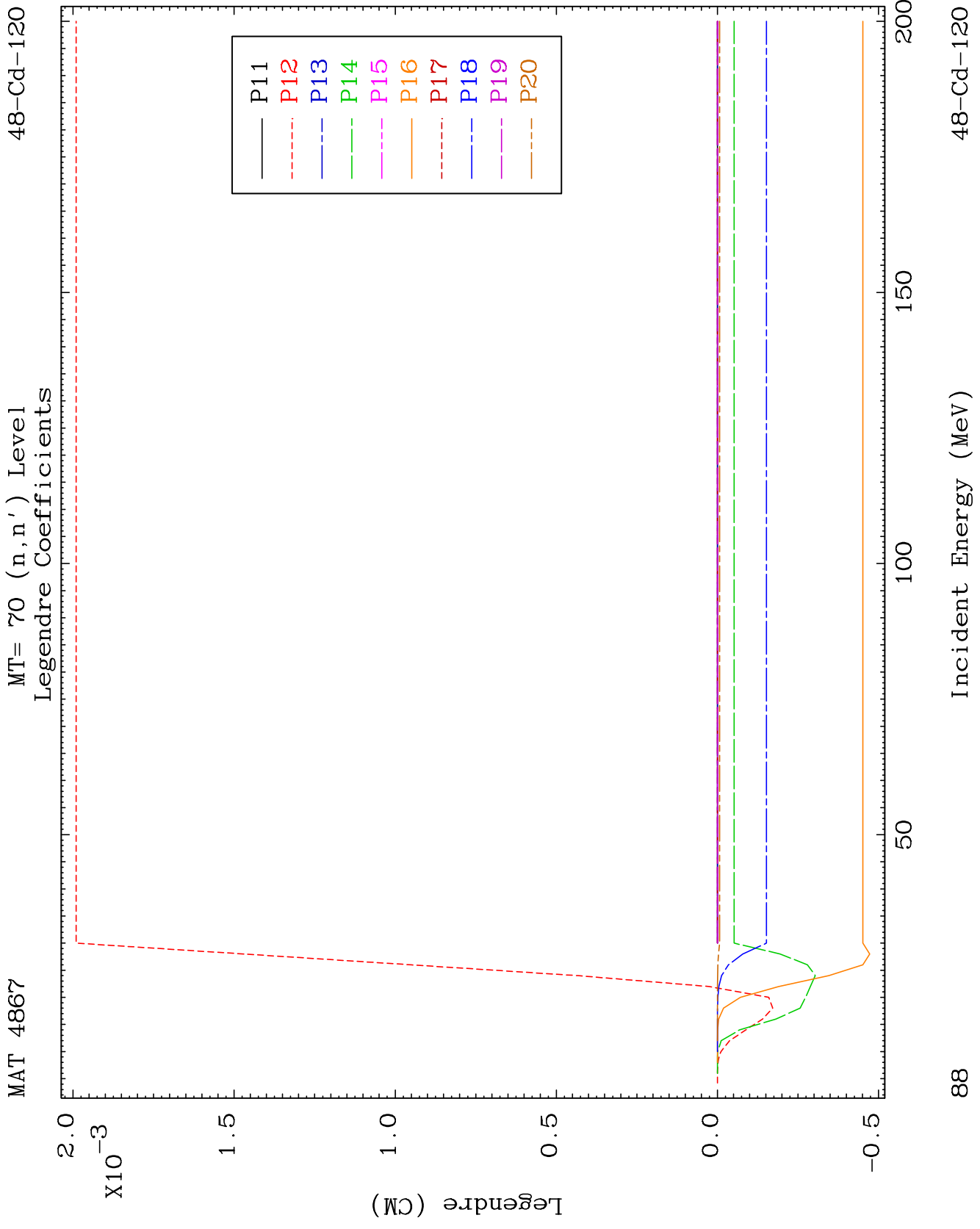
Incident Energy (MeV)

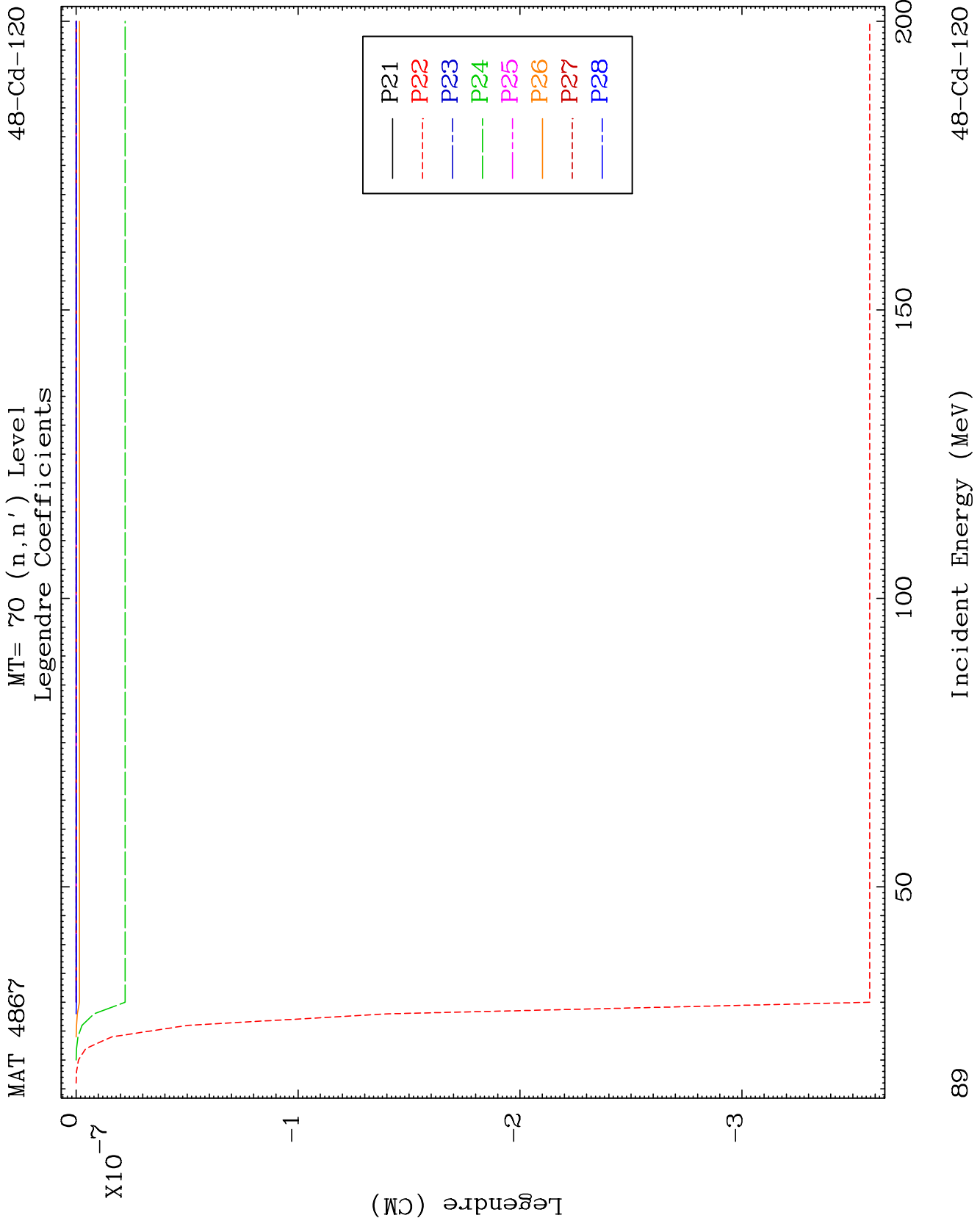
48-Cd-120



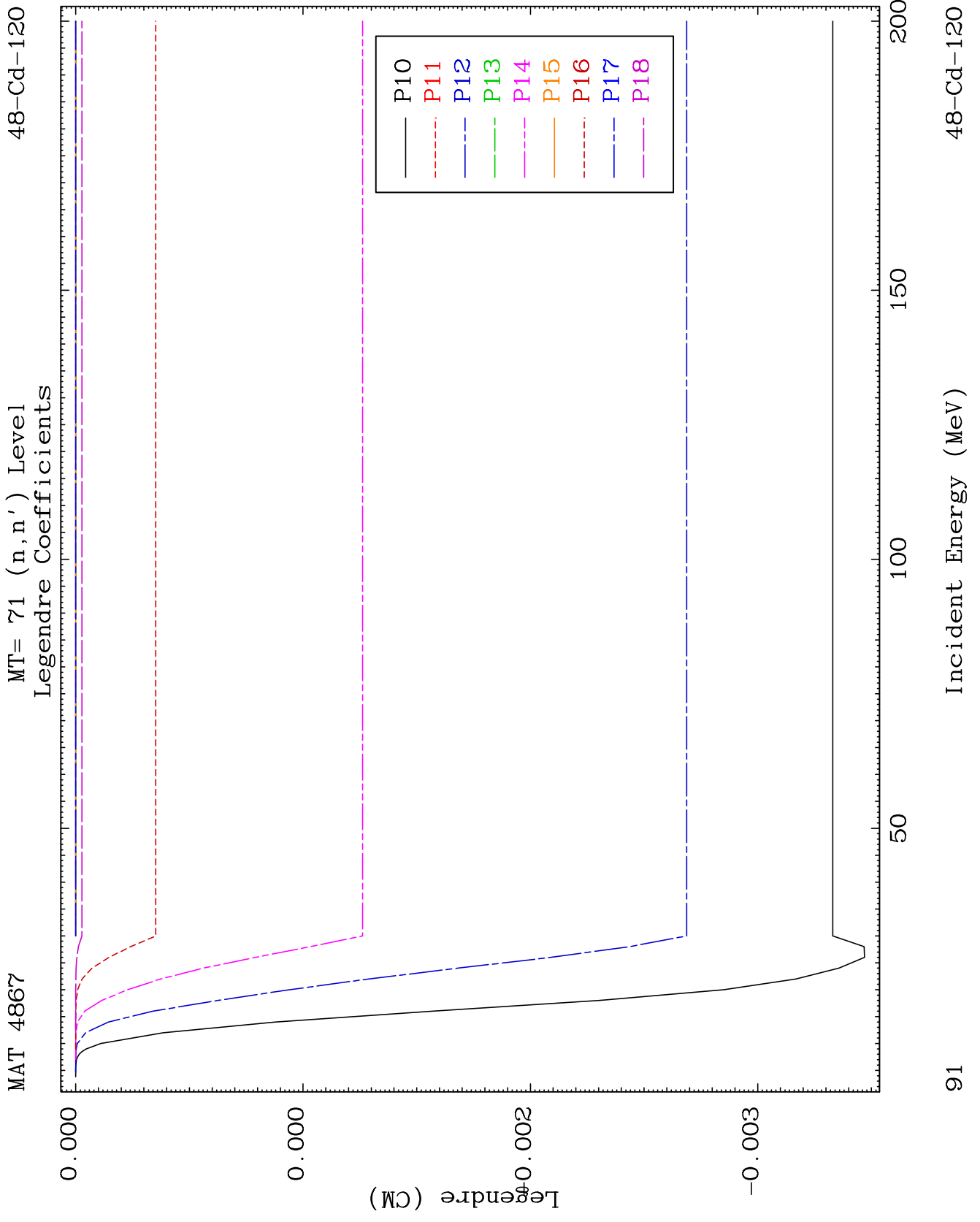


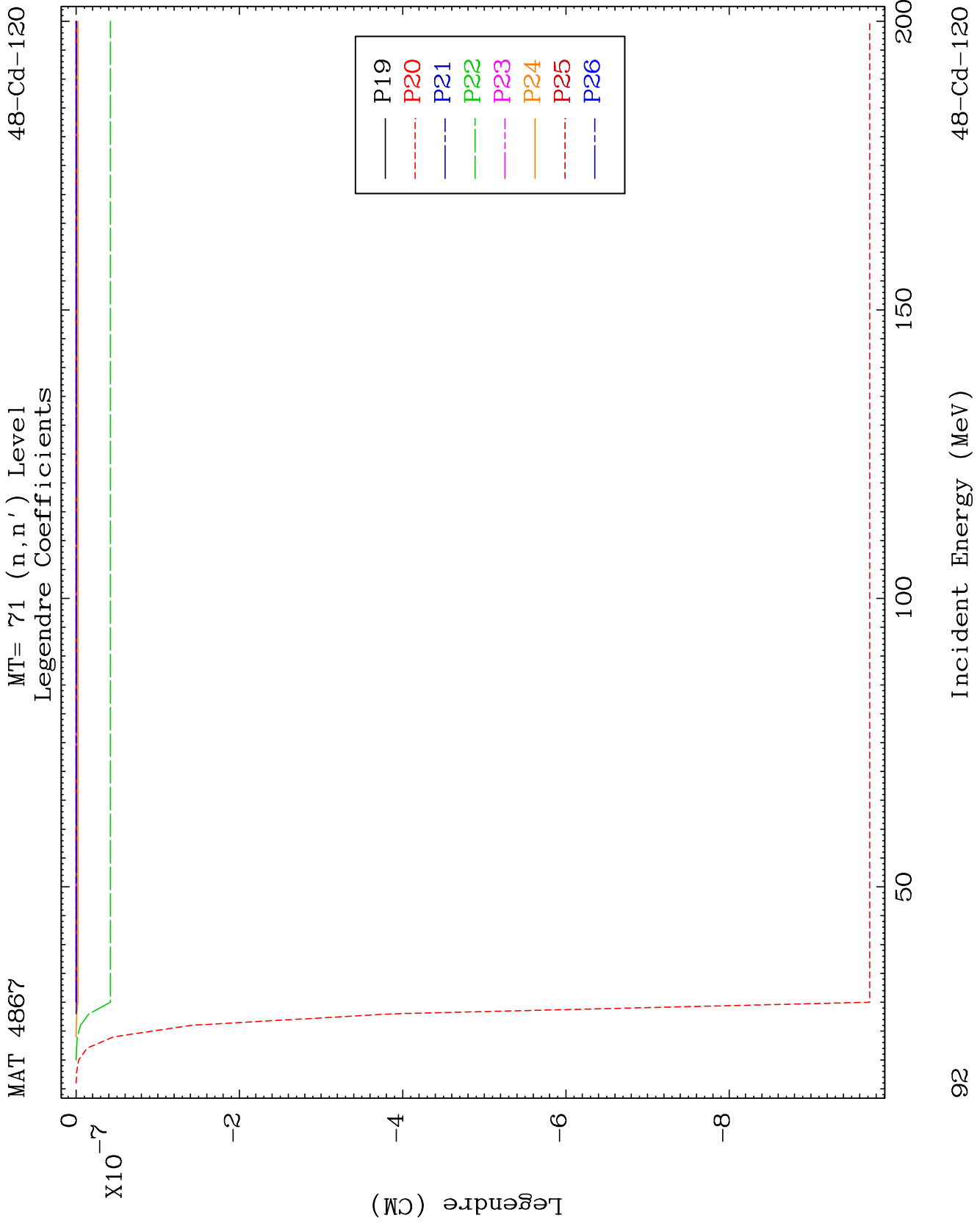


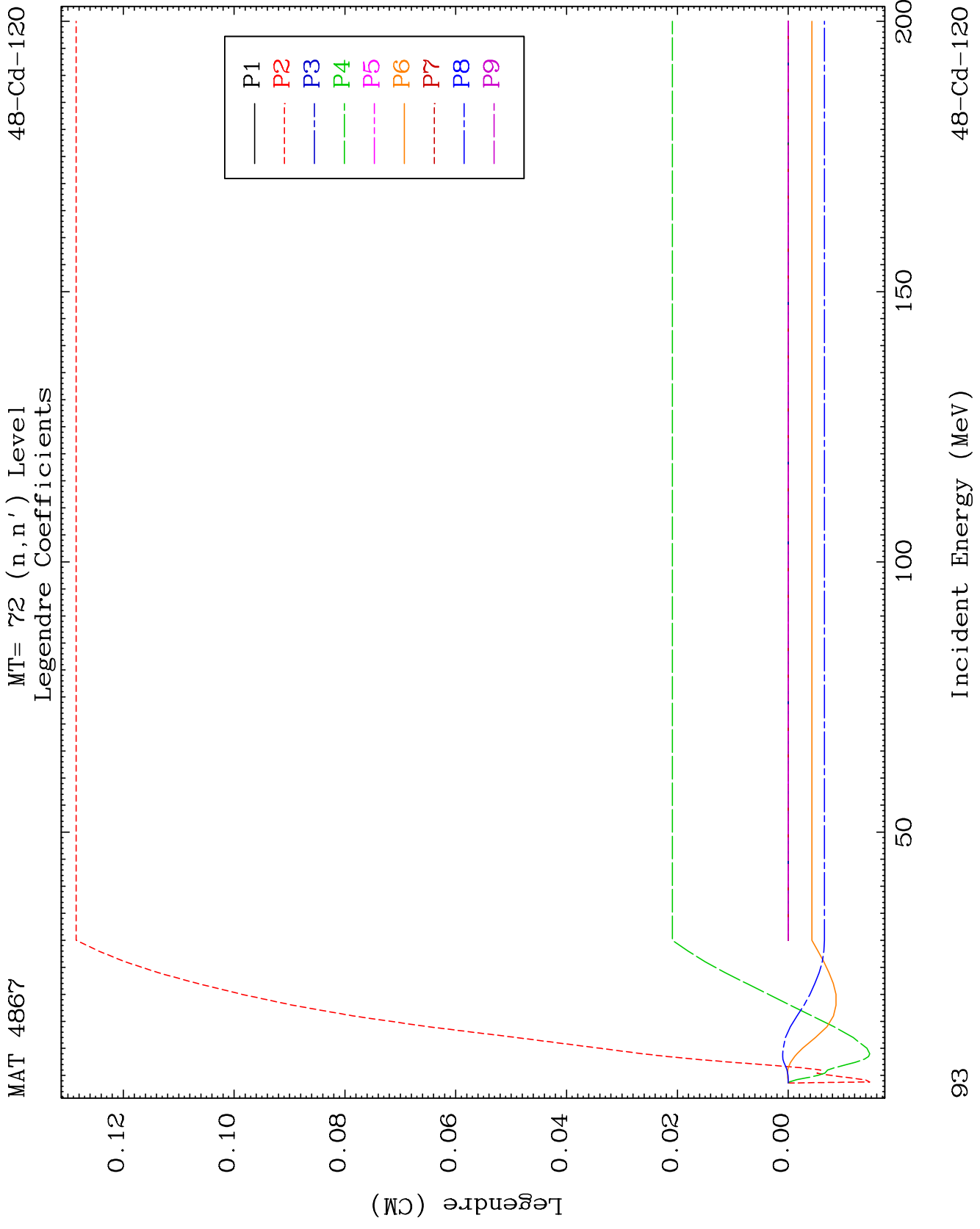










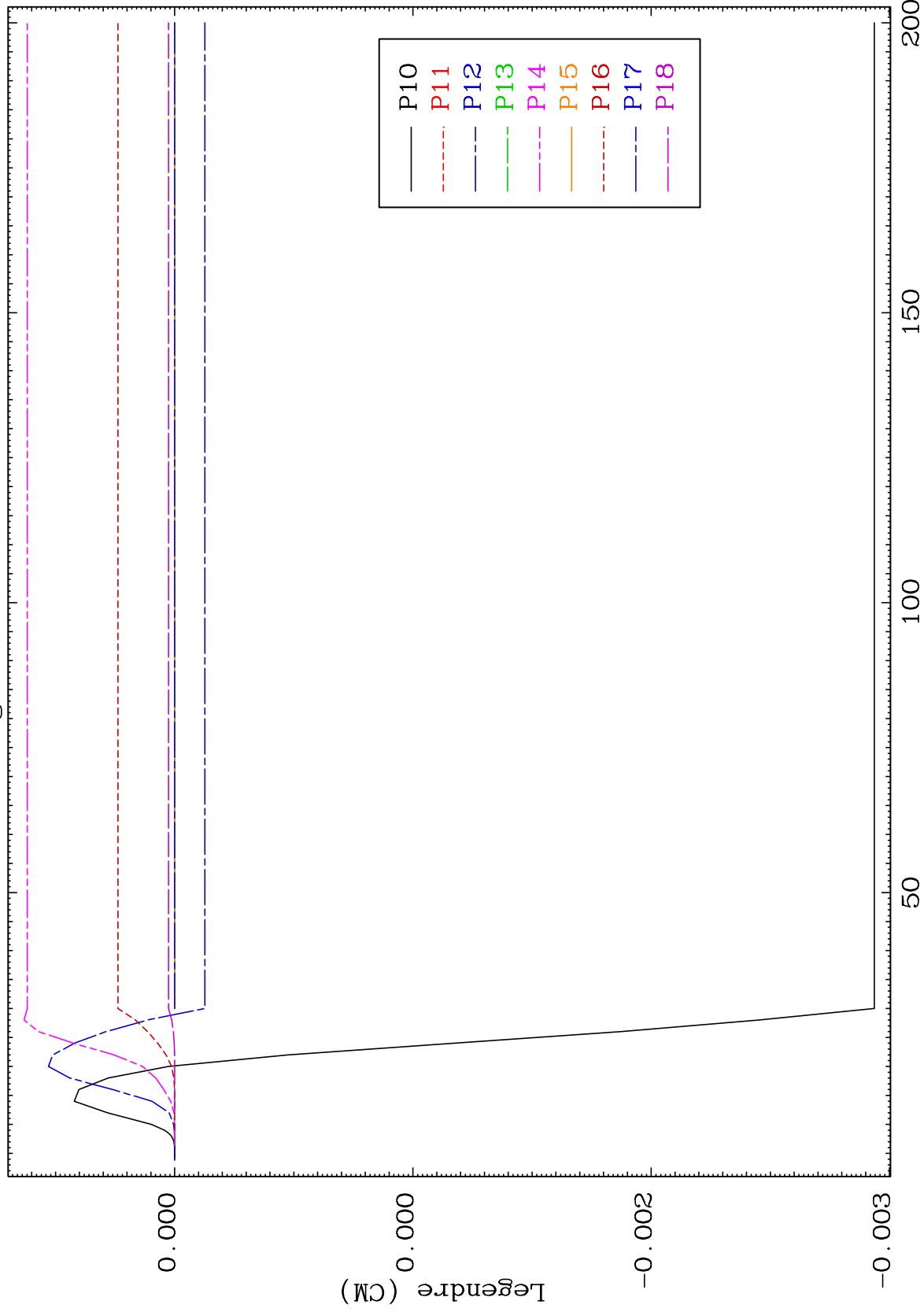


MAT 4867

MT= 72 (n,n') Level

48-Cd-120

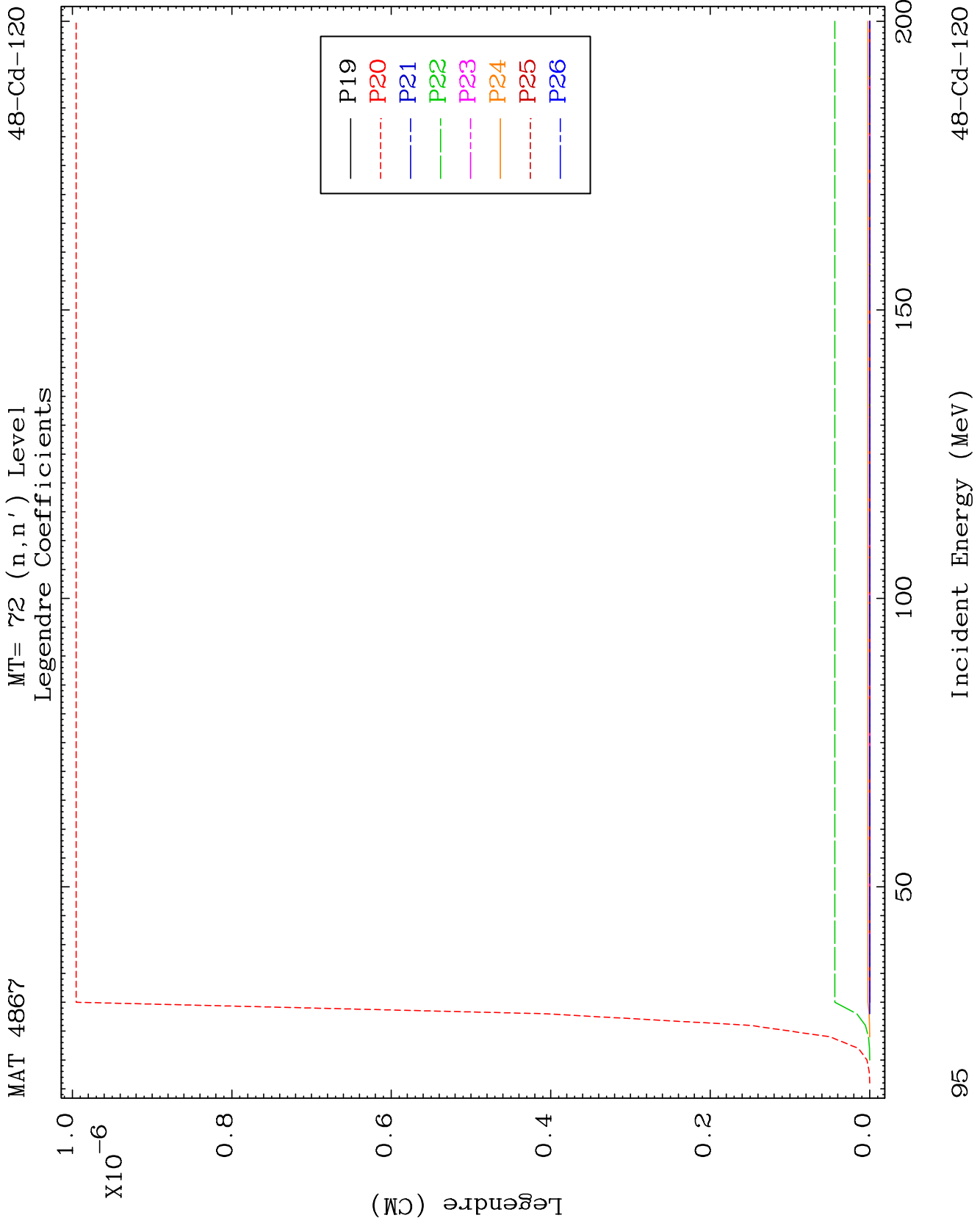
Legendre Coefficients



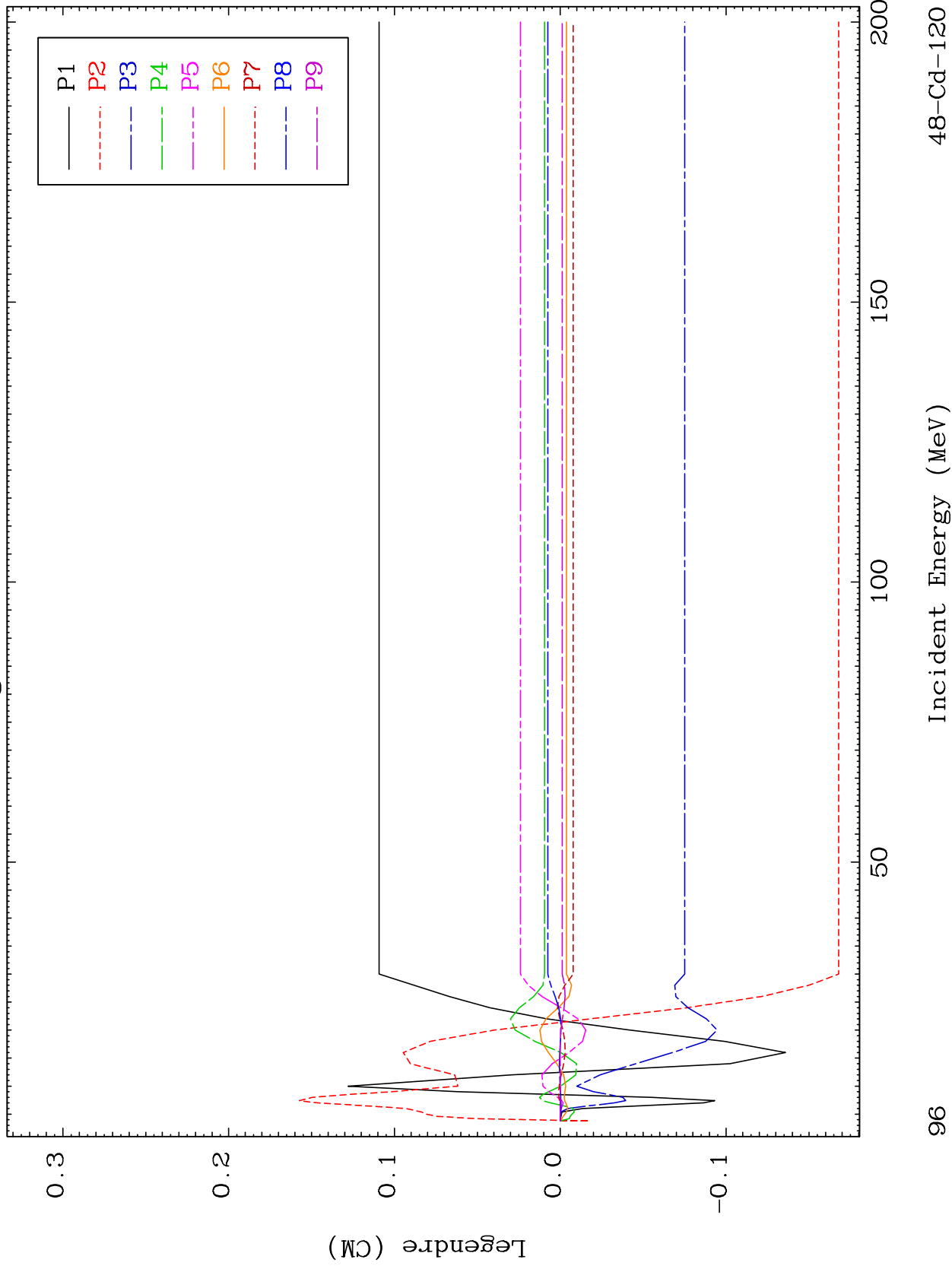
94

Incident Energy (MeV)

48-Cd-120



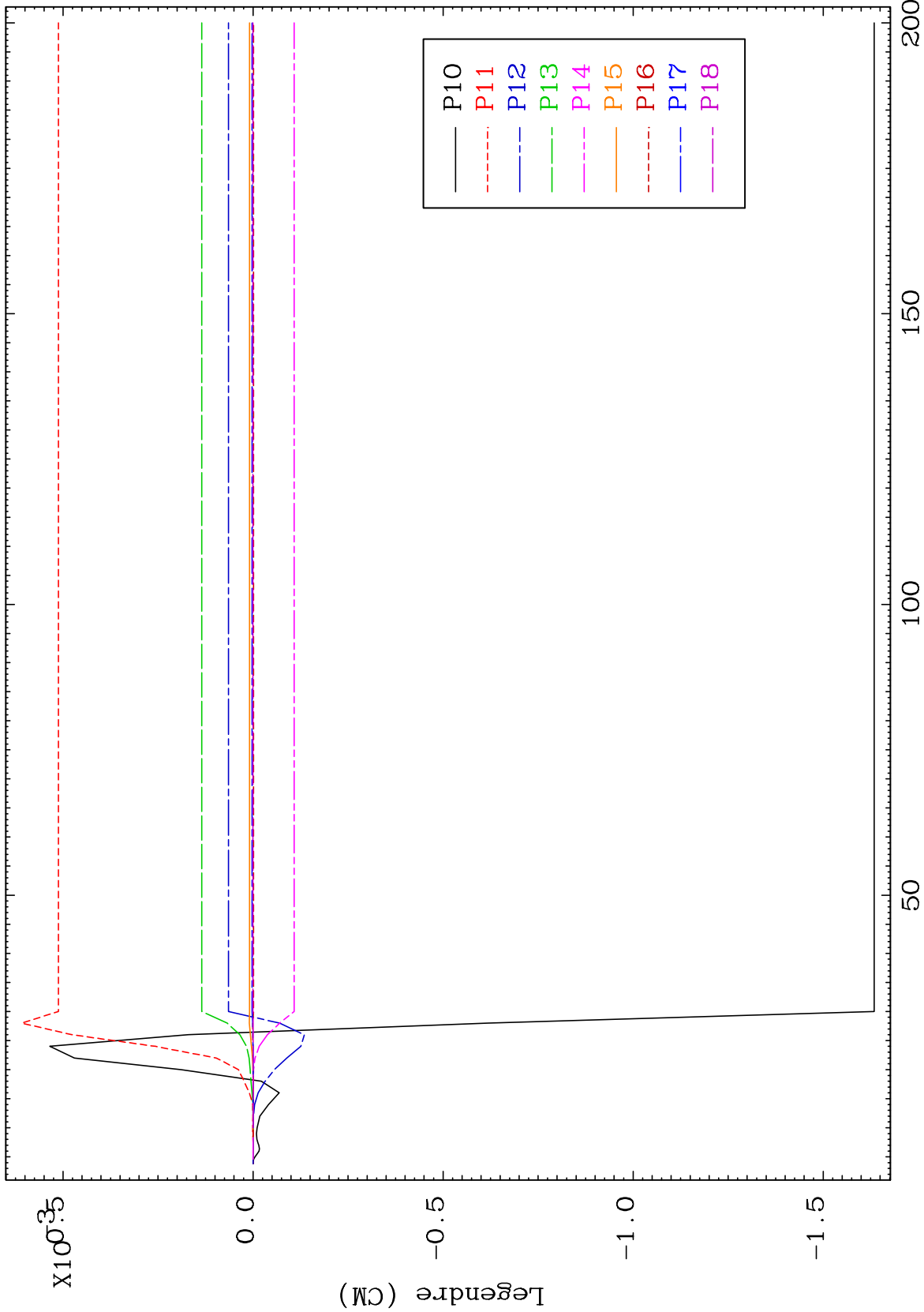




MAT 4867

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

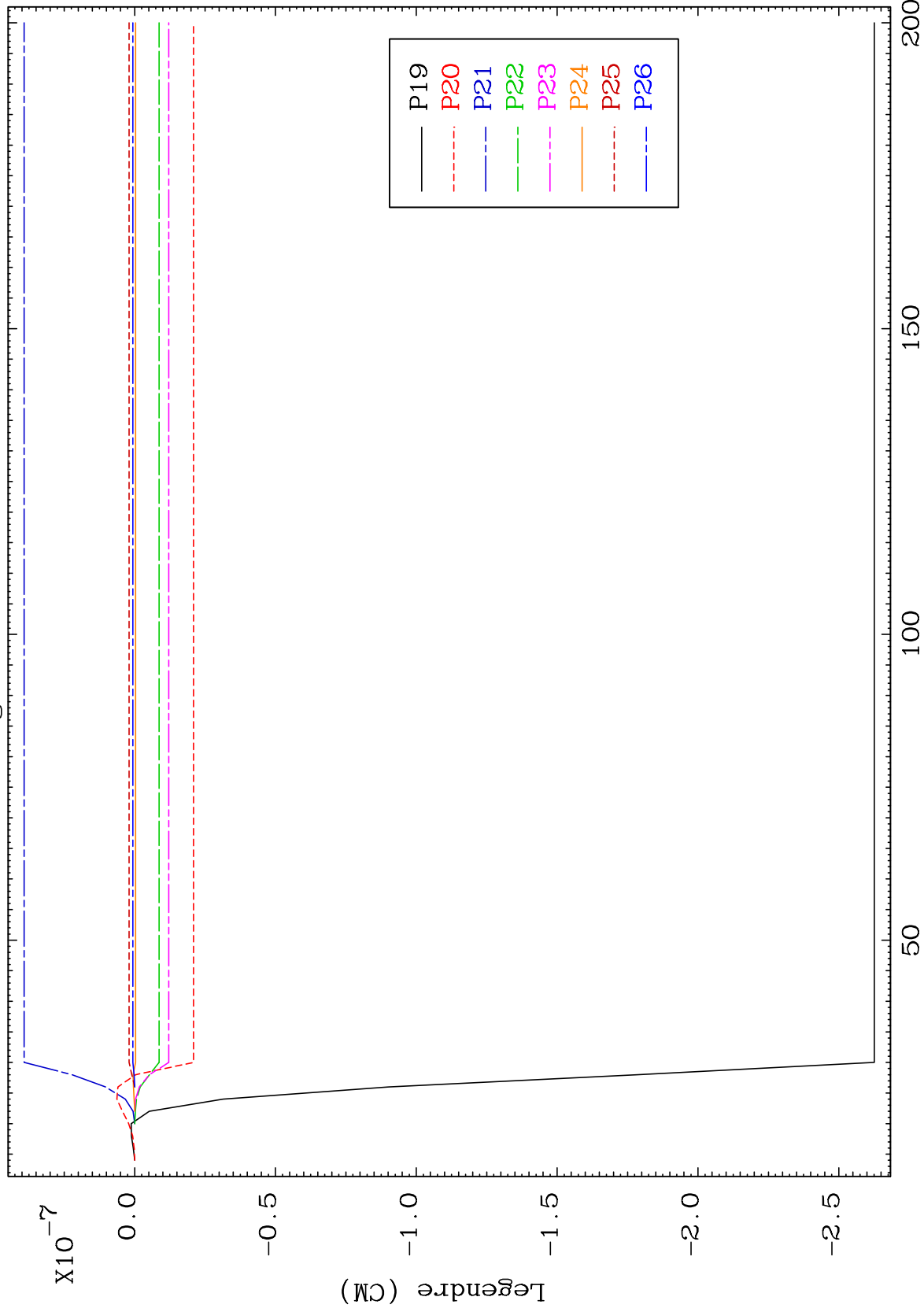
48-Cd-120



MAT 4867

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

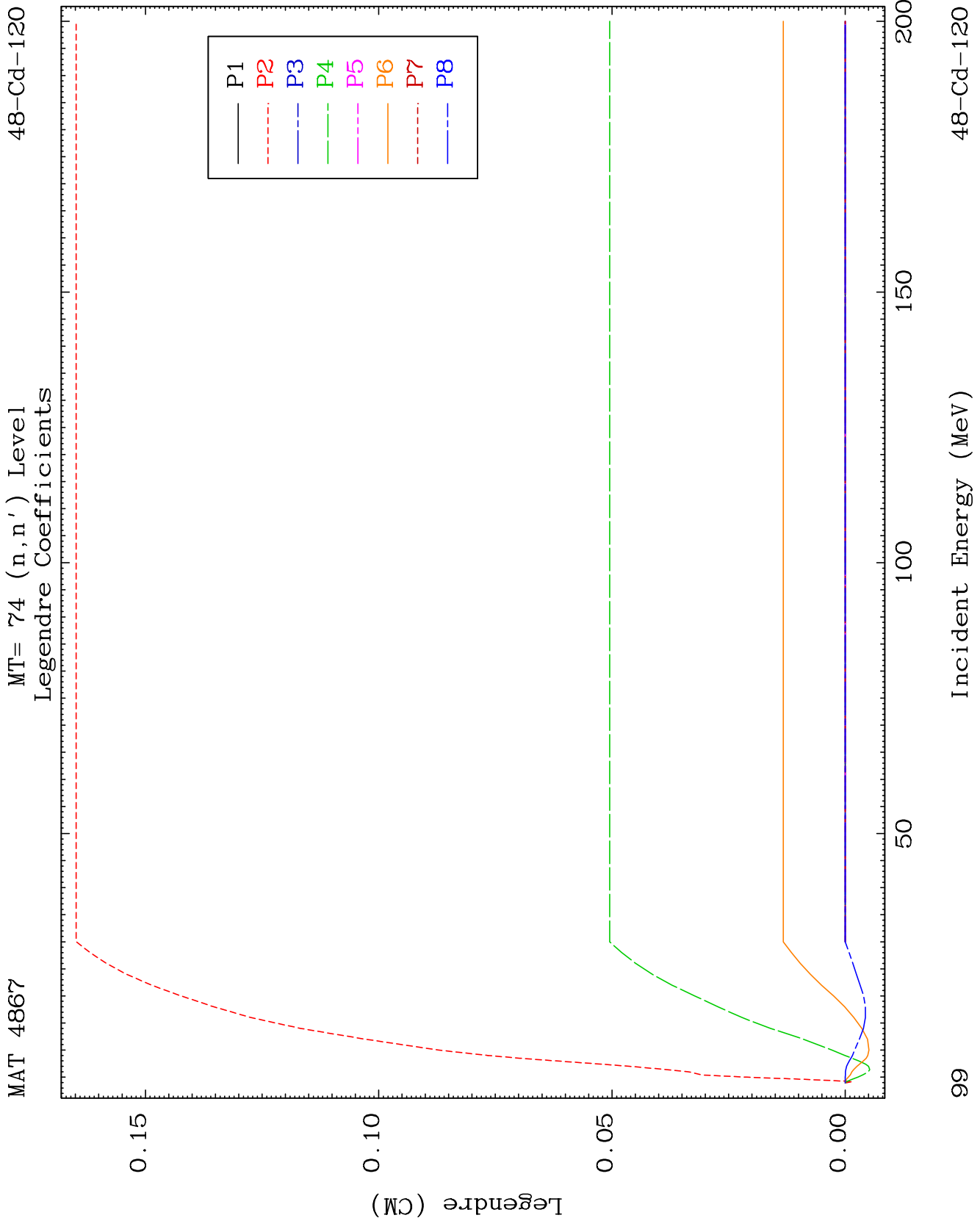
48-Cd-120

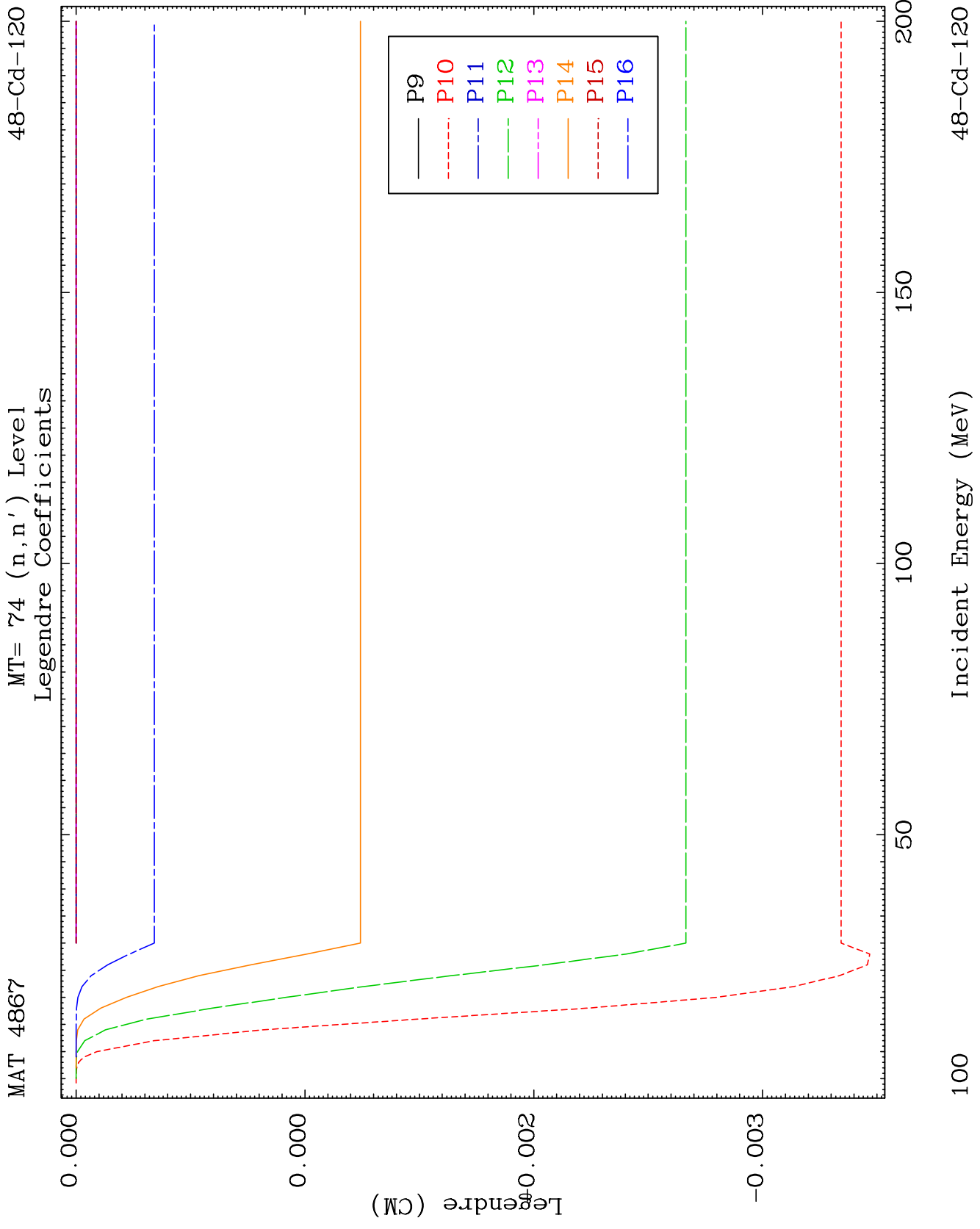


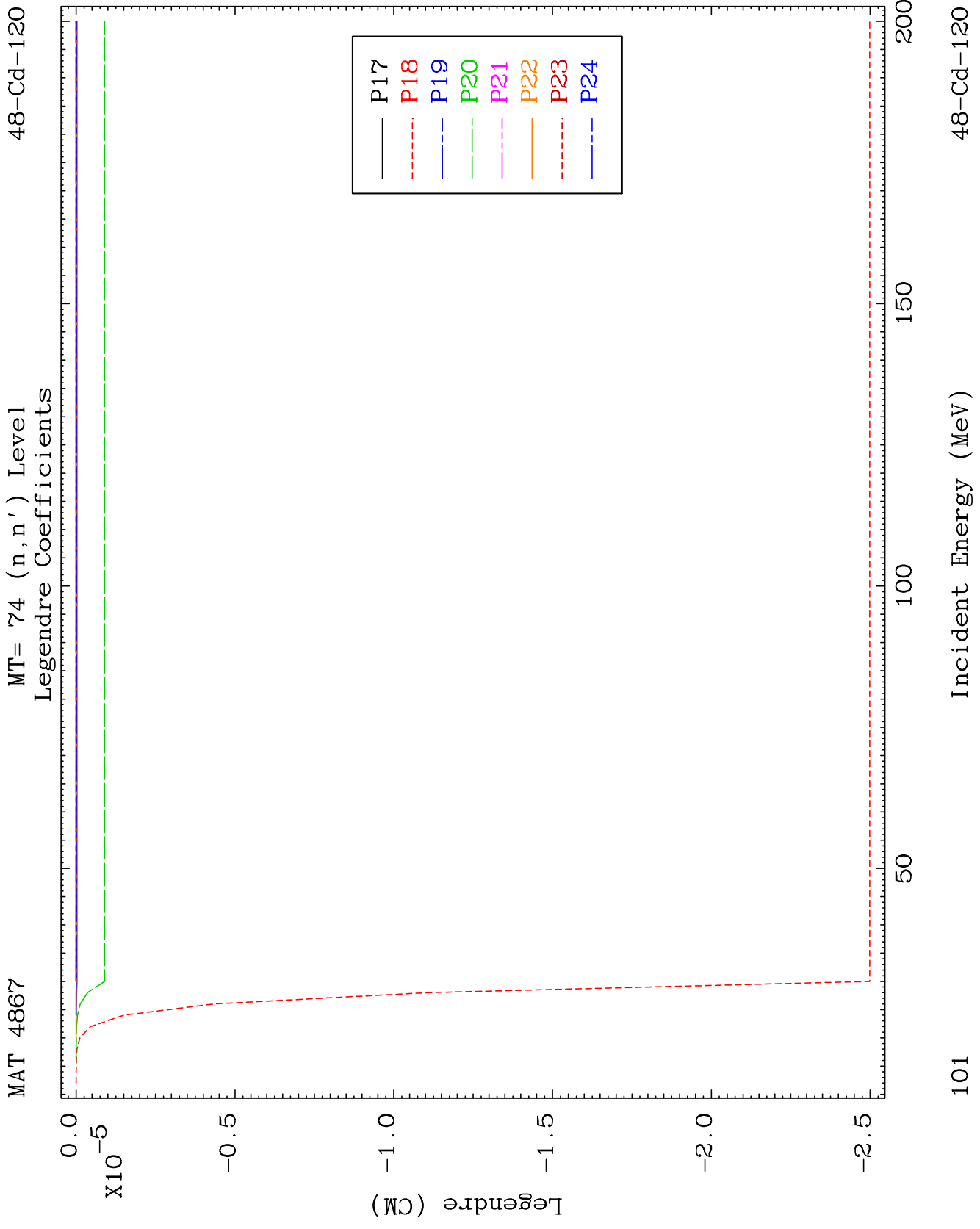
98

Incident Energy (MeV)

48-Cd-120





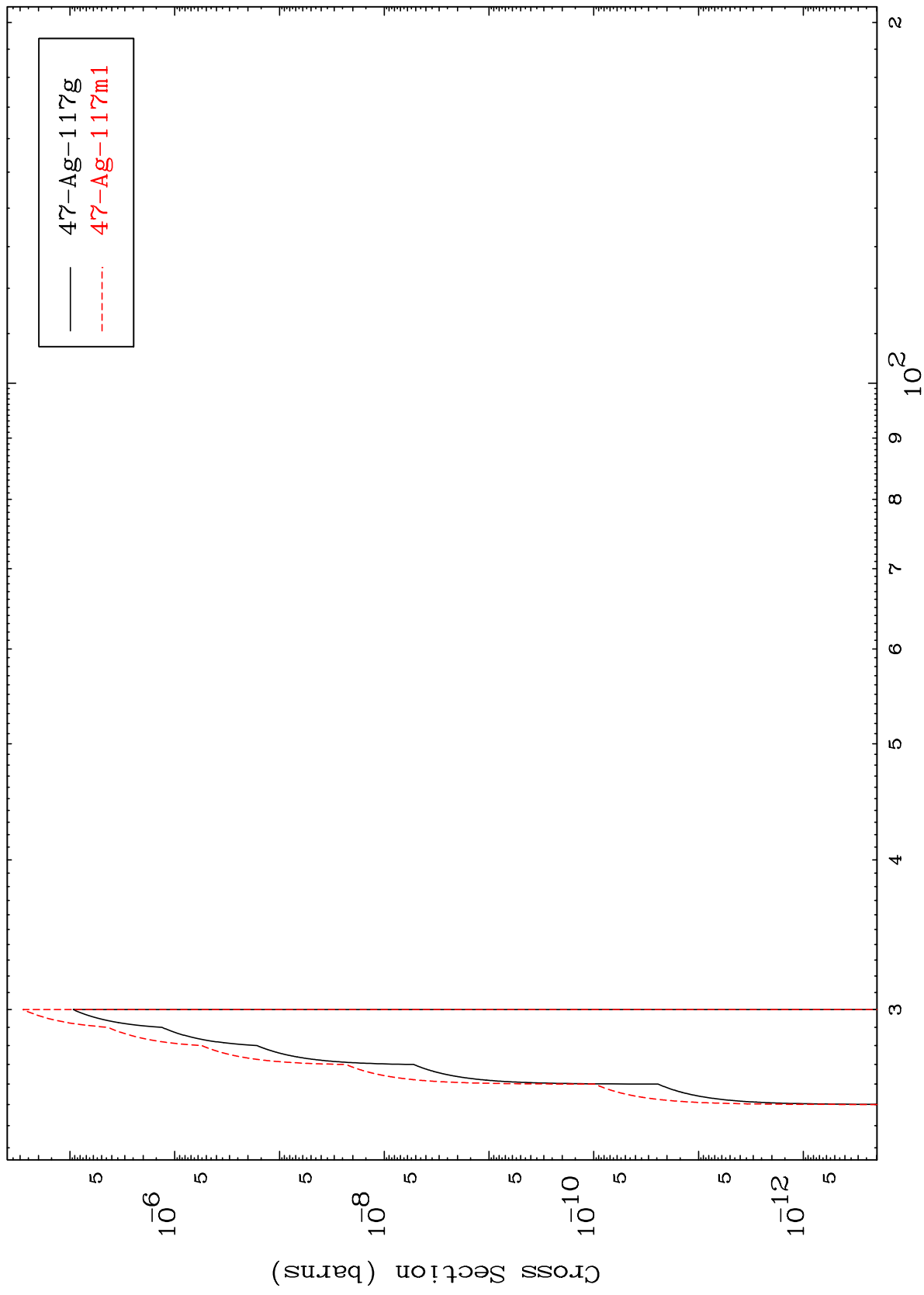


MAT 4867

(n,2n) d

48-Cd-120

Radionuclide Production Cross Section



102

Incident Energy (MeV)

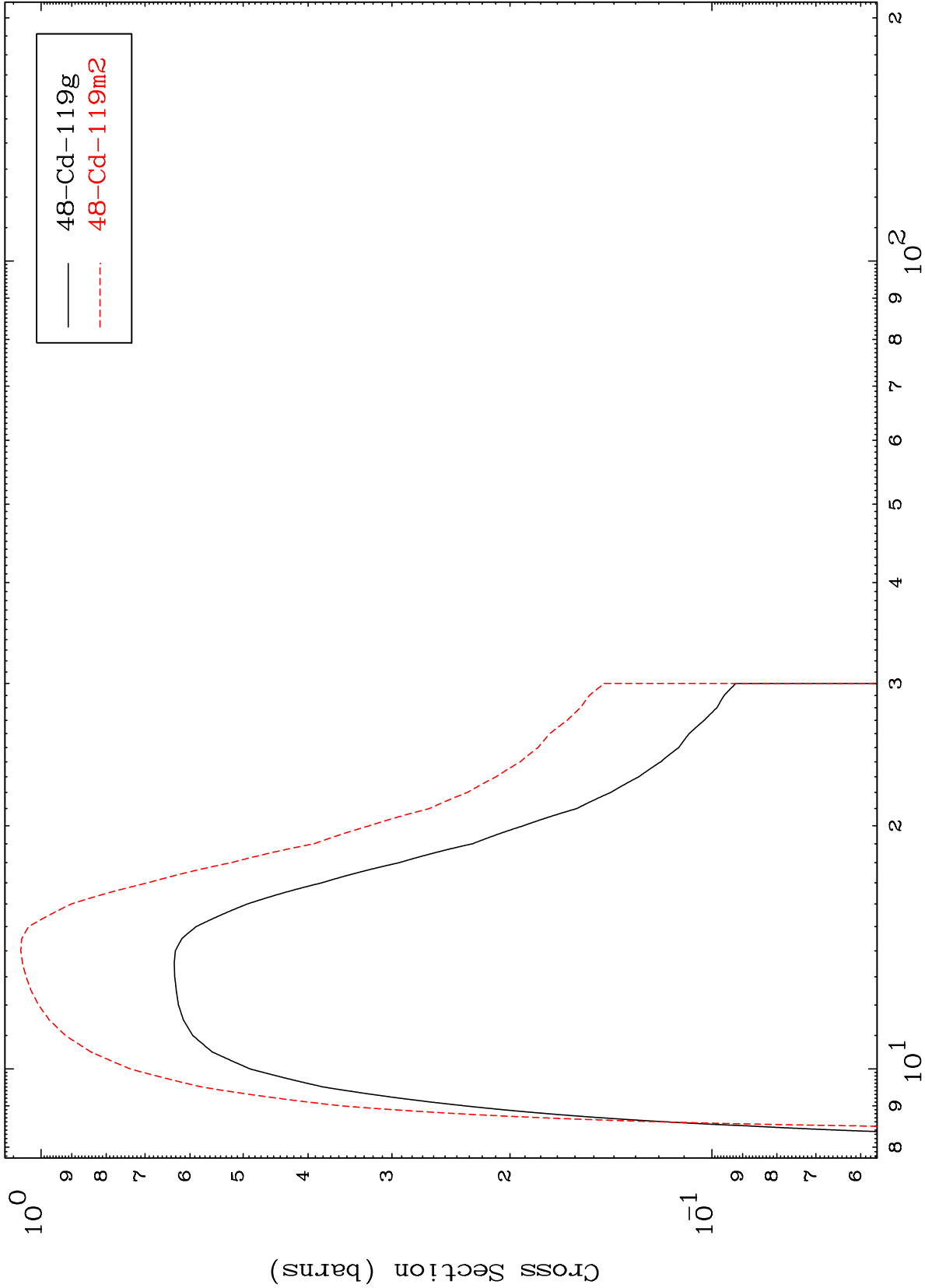
48-Cd-120

MAT 4867

(n,2n)

48-Cd-120

Radionuclide Production Cross Section



103

Incident Energy (MeV)

48-Cd-120

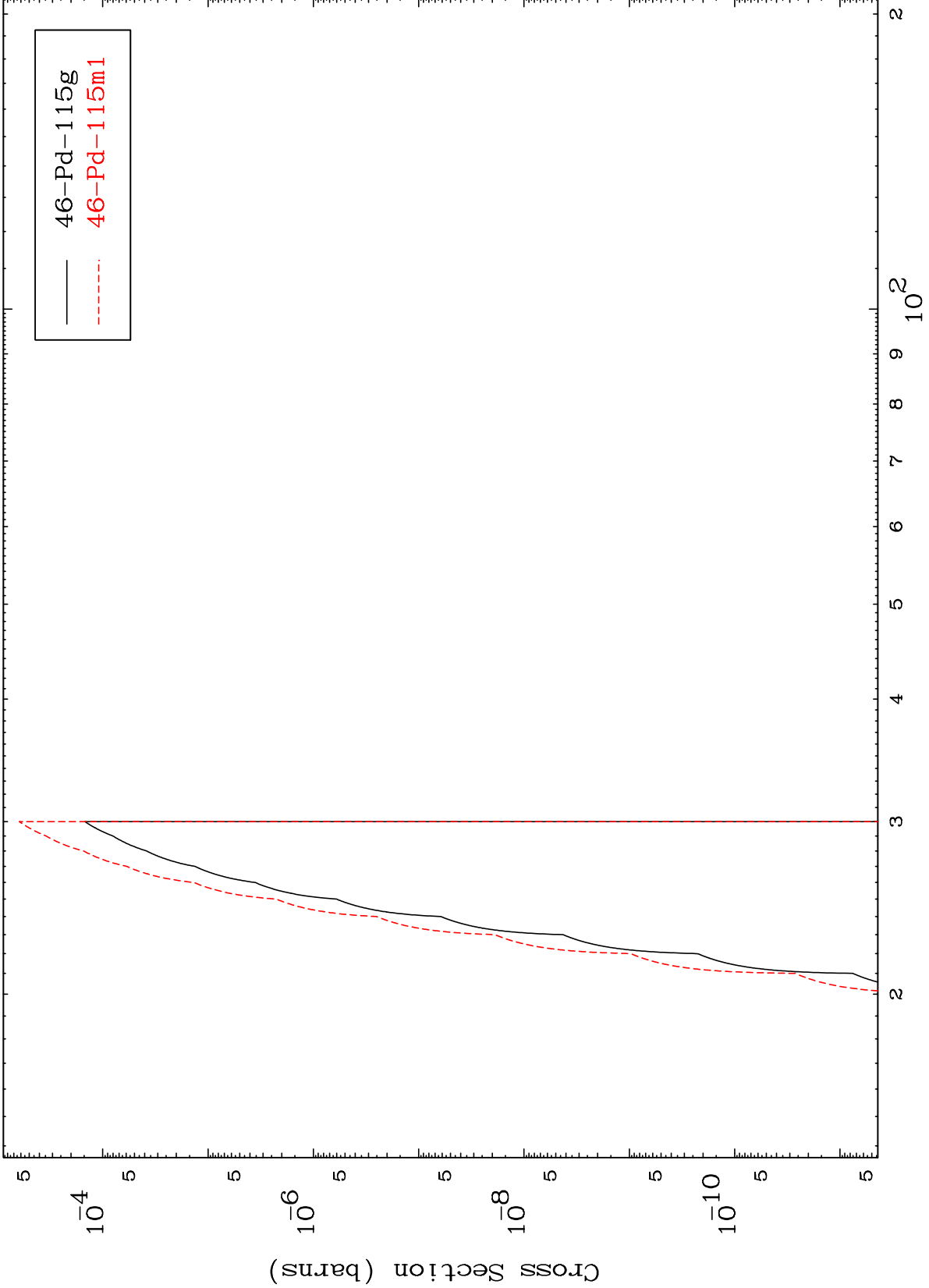


MAT 4867

(n,2n)  $\alpha$

48-Cd-120

Radionuclide Production Cross Section



104

Incident Energy (MeV)

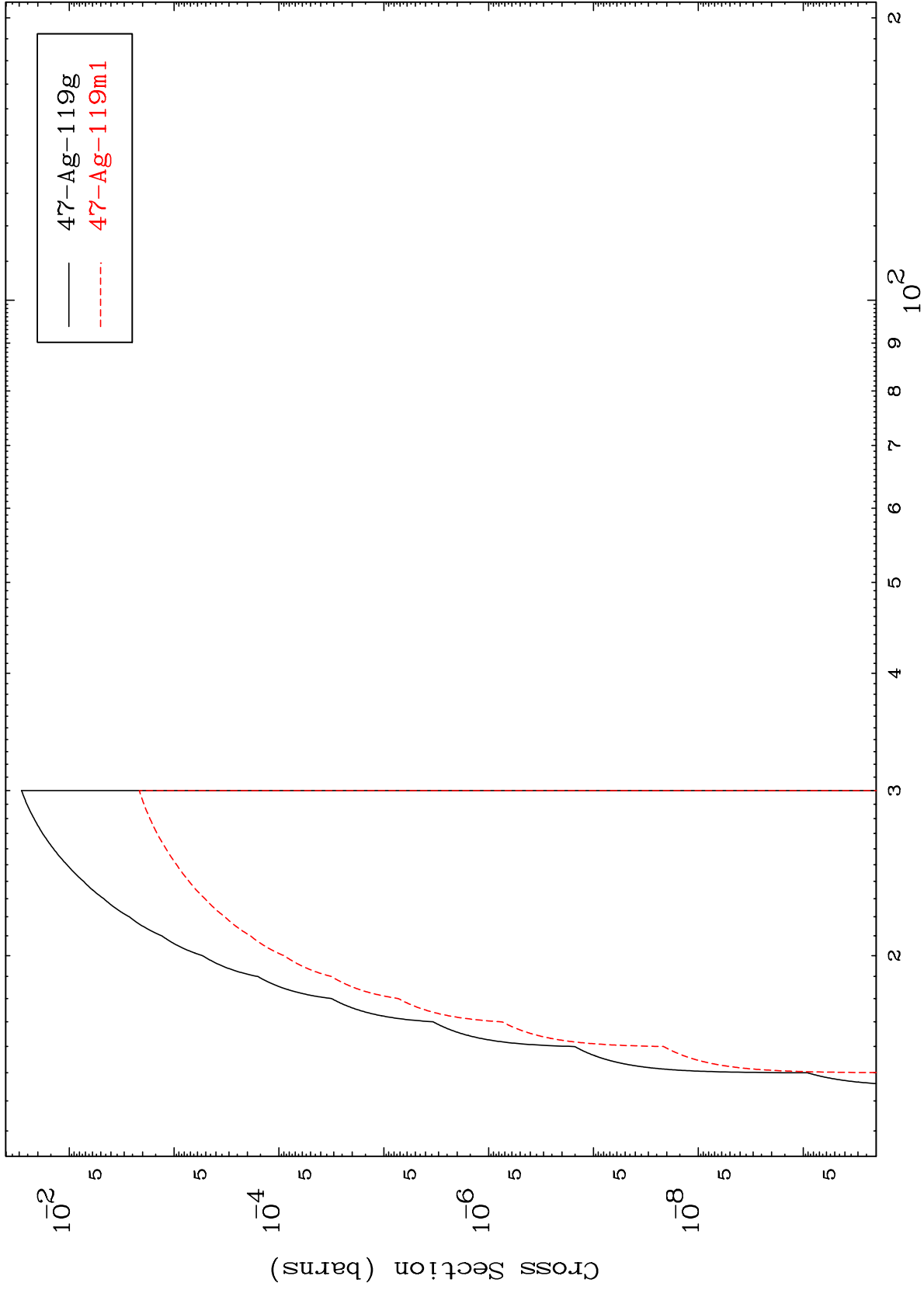
48-Cd-120

MAT 4867

(n,n') p

48-Cd-120

Radionuclide Production Cross Section



105

Incident Energy (MeV)

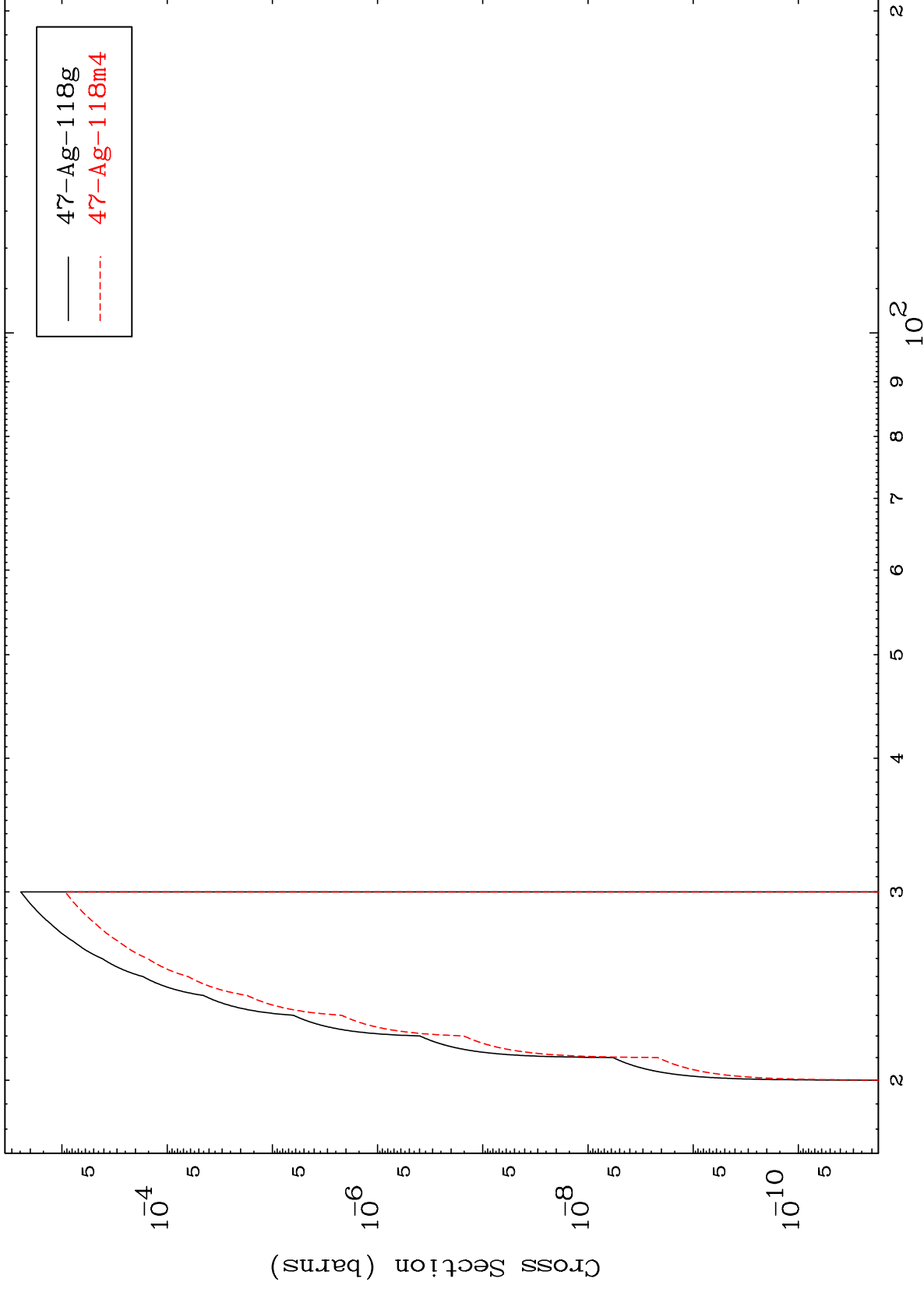
48-Cd-120

MAT 4867

(n,n') d

48-Cd-120

Radionuclide Production Cross Section



106

Incident Energy (MeV)

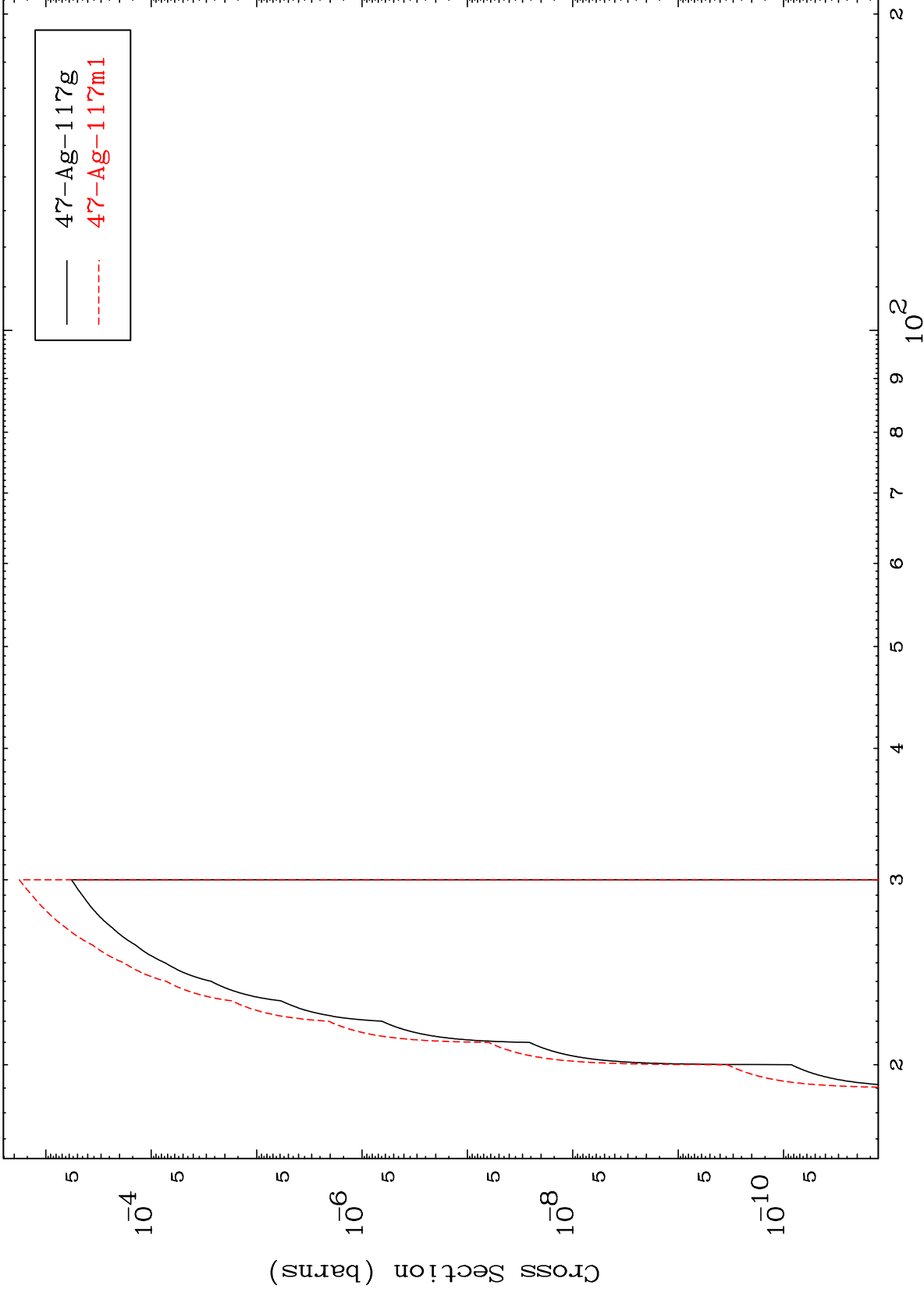
48-Cd-120

MAT 4867

(n,n') t

48-Cd-120

Radionuclide Production Cross Section



107

Incident Energy (MeV)

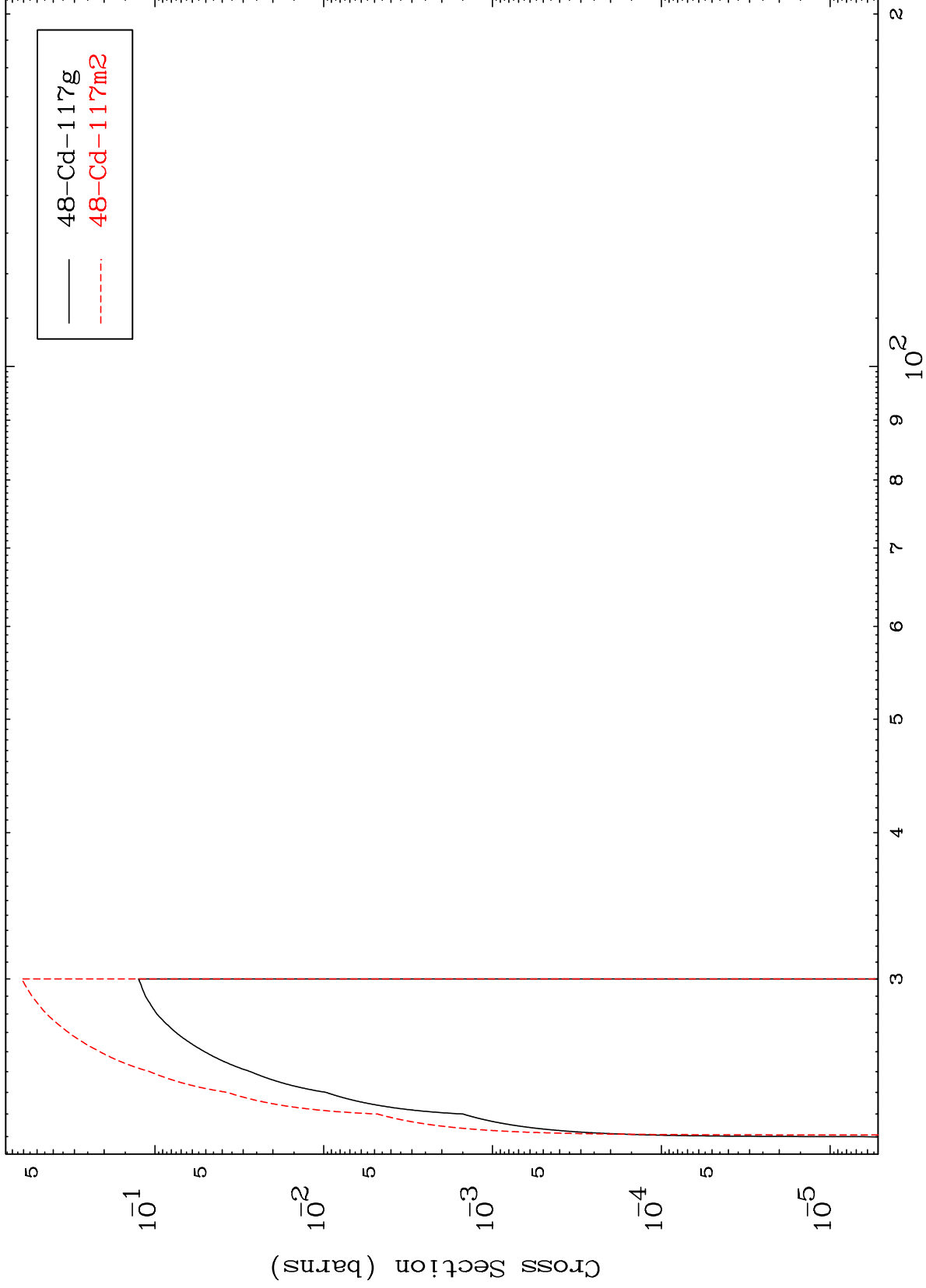
48-Cd-120

MAT 4867

(n,4n)

48-Cd-120

Radionuclide Production Cross Section



108

Incident Energy (MeV)

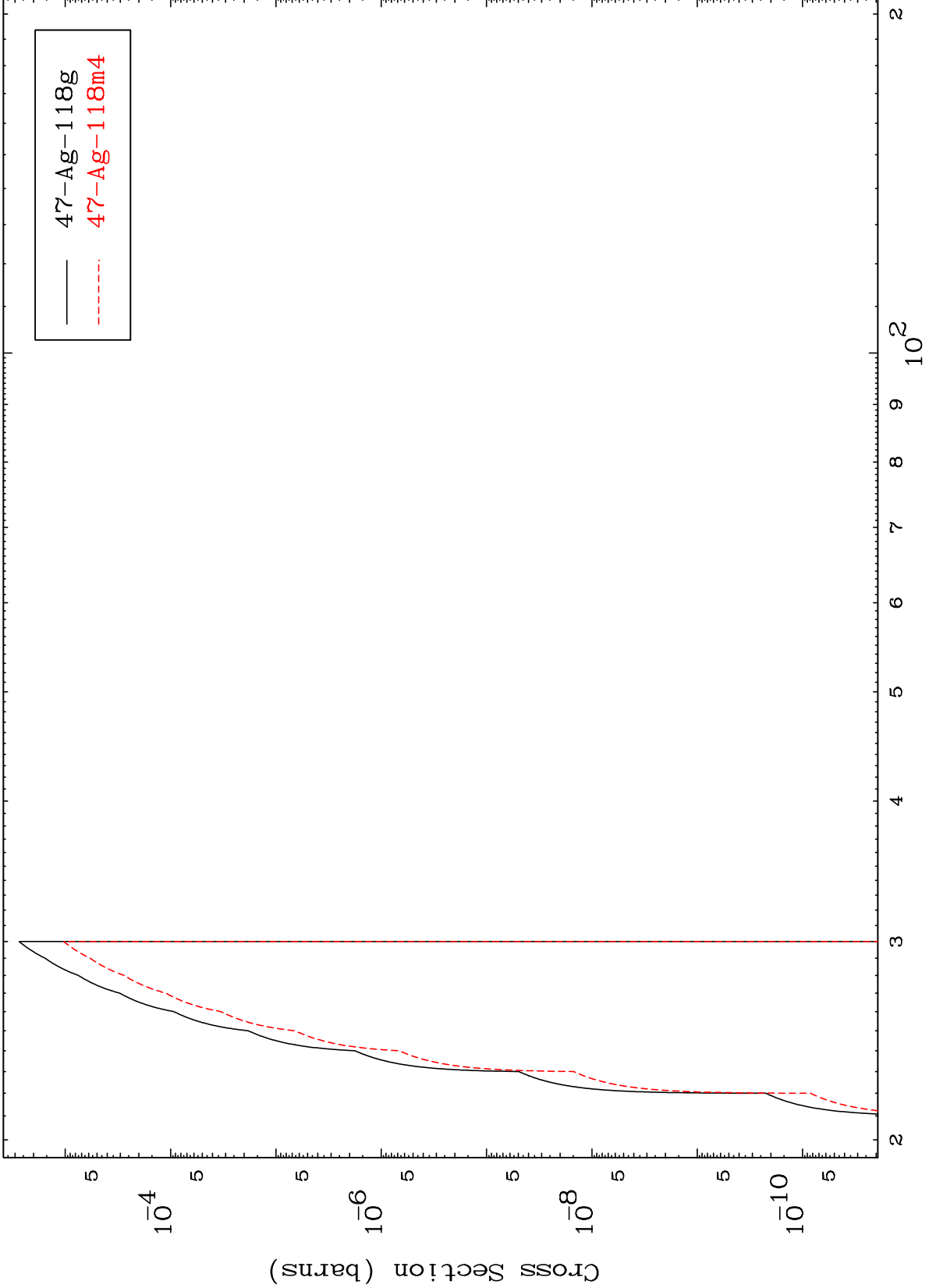
48-Cd-120

MAT 4867

(n,2n) p

48-Cd-120

Radionuclide Production Cross Section



109

Incident Energy (MeV)

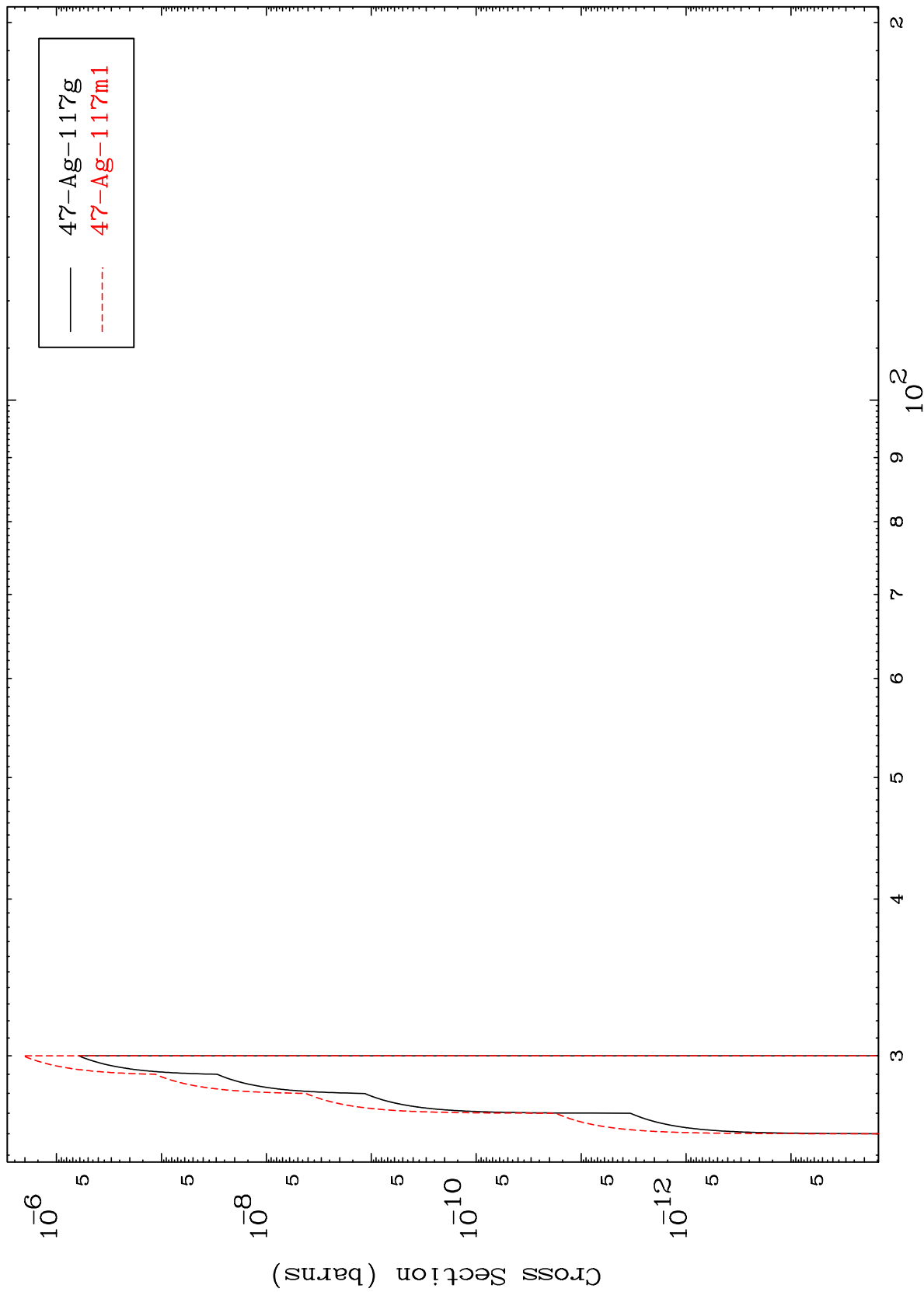
48-Cd-120

MAT 4867

(n,3n) p

48-Cd-120

Radionuclide Production Cross Section



110

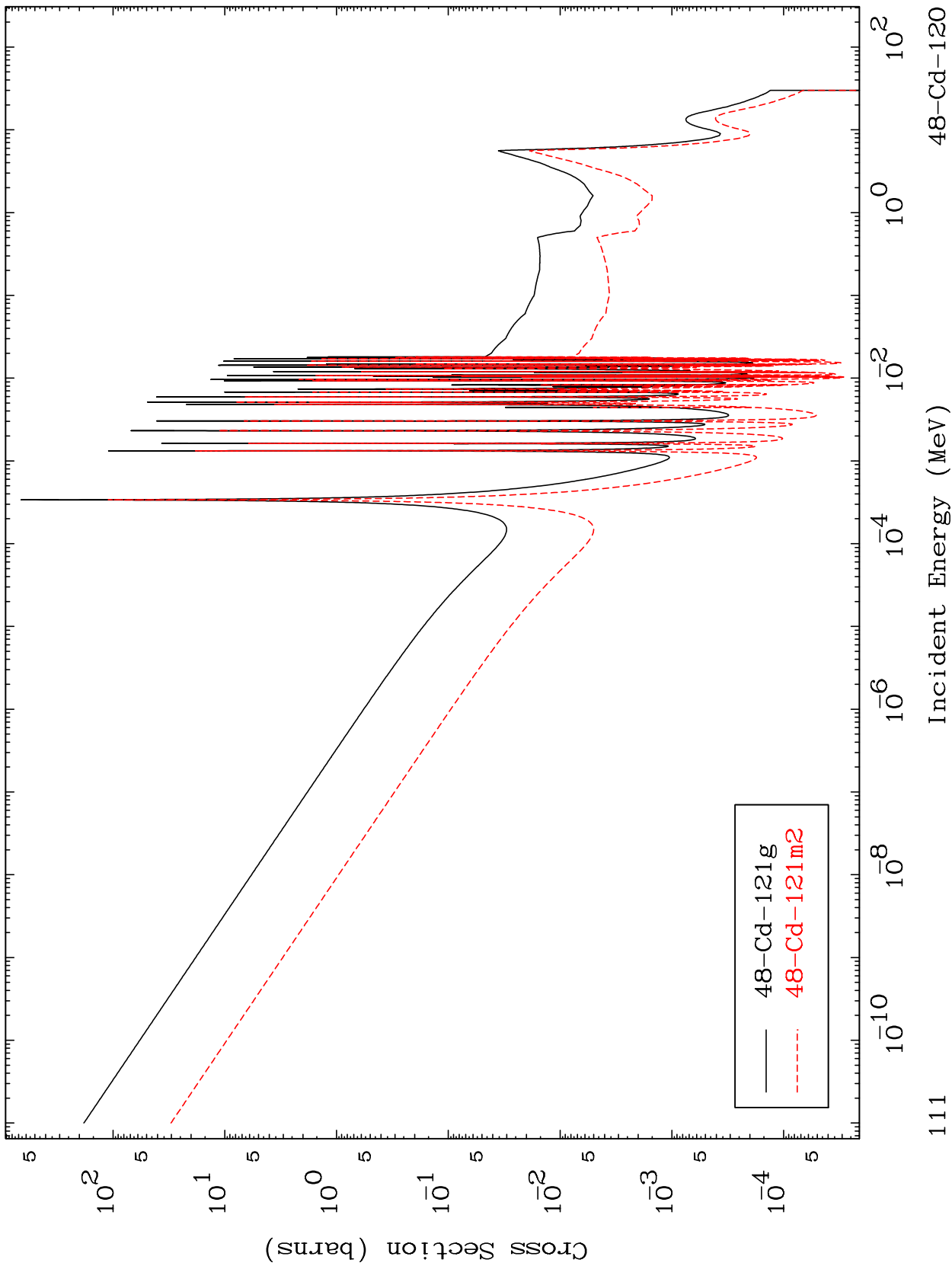
Incident Energy (MeV)

48-Cd-120

MAT 4867

48-Cd-120

$(n, \gamma)$   
Radionuclide Production Cross Section



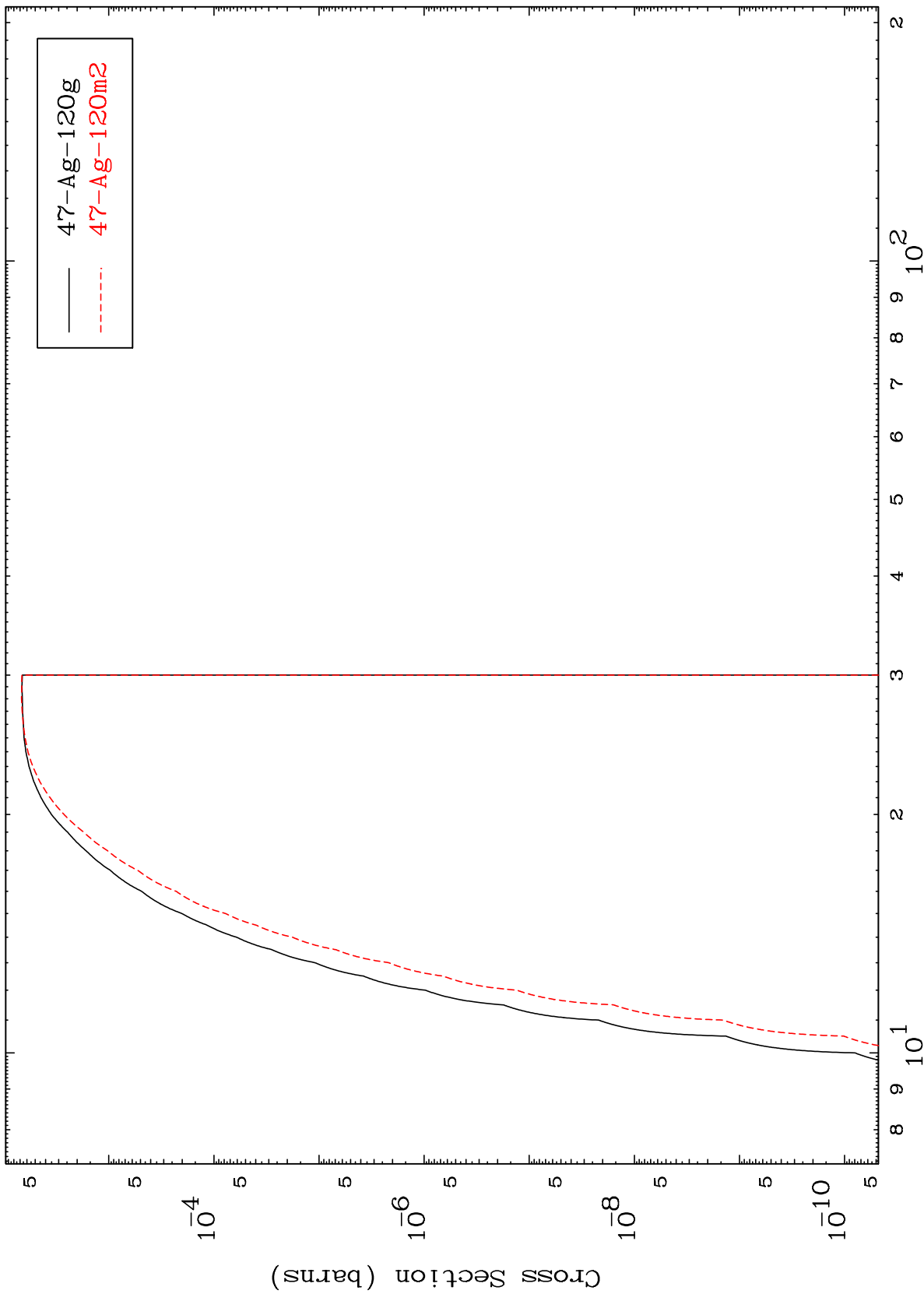
111



MAT 4867

48-Cd-120

(n,p)  
Radionuclide Production Cross Section



112

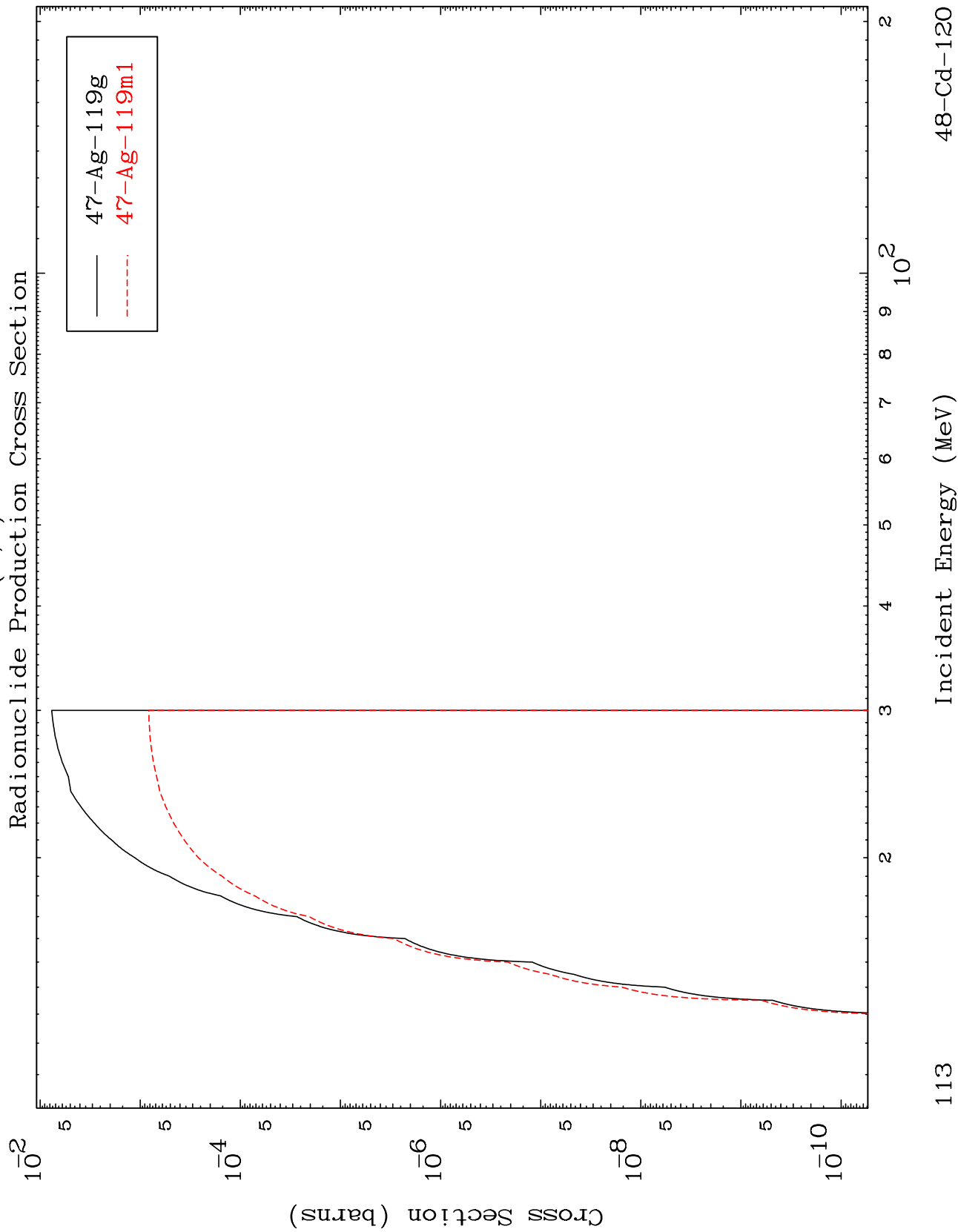
Incident Energy (MeV)

48-Cd-120

MAT 4867

(n,d)

48-Cd-120



113

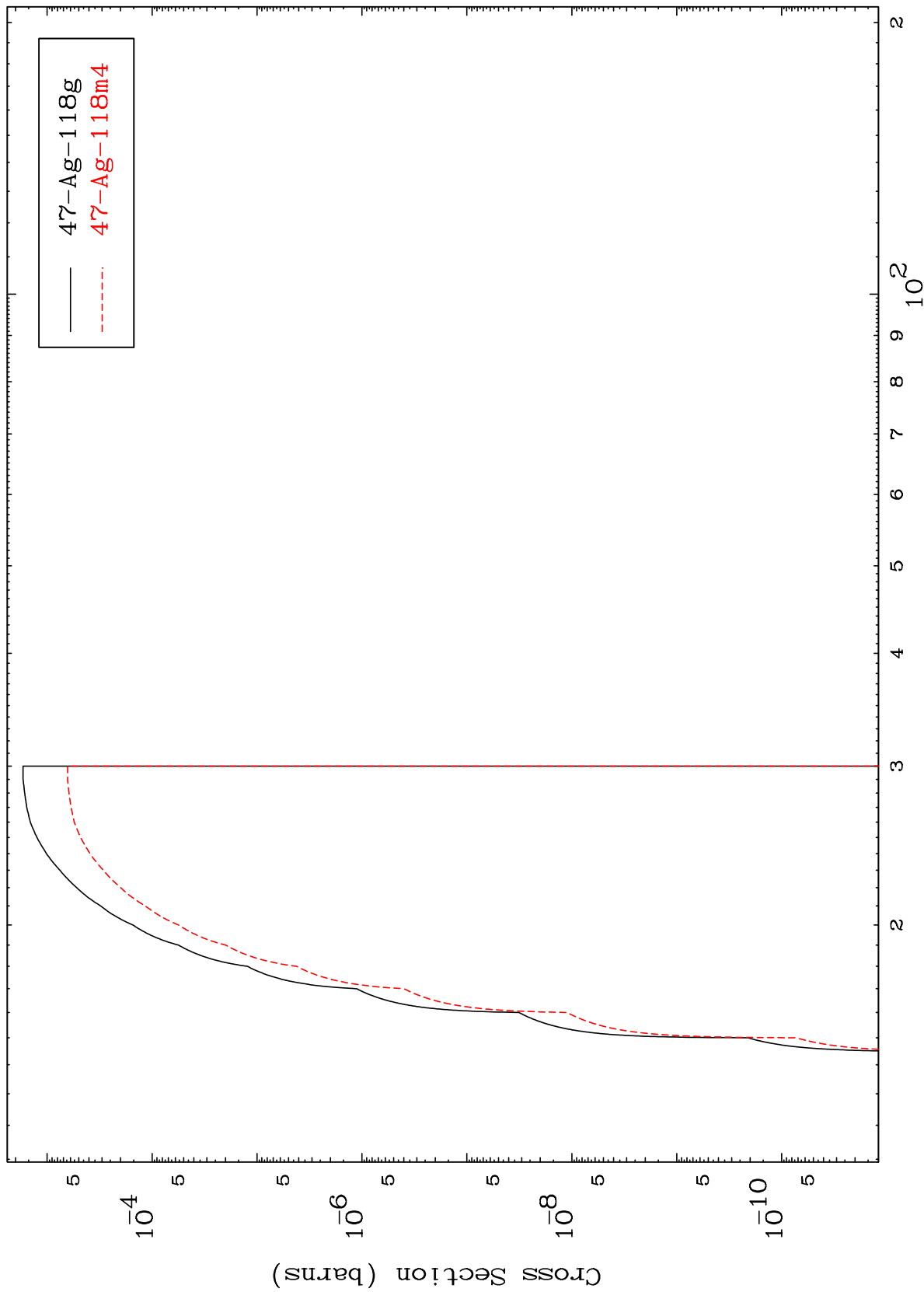
48-Cd-120

MAT 4867

(n, t)

48-Cd-120

Radionuclide Production Cross Section



114

Incident Energy (MeV)

48-Cd-120