

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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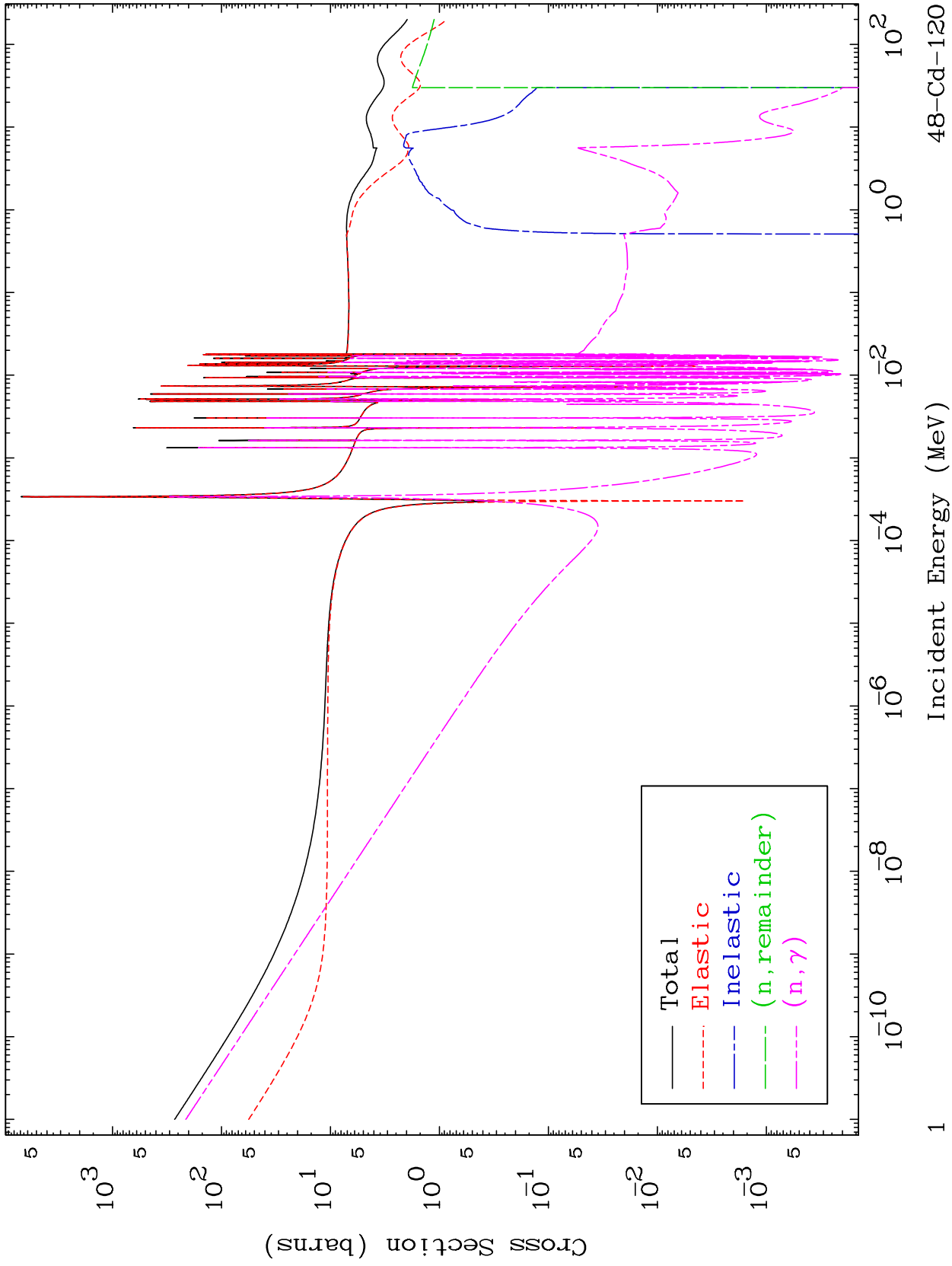
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4867

Major  
293 Kelvin Cross Sections

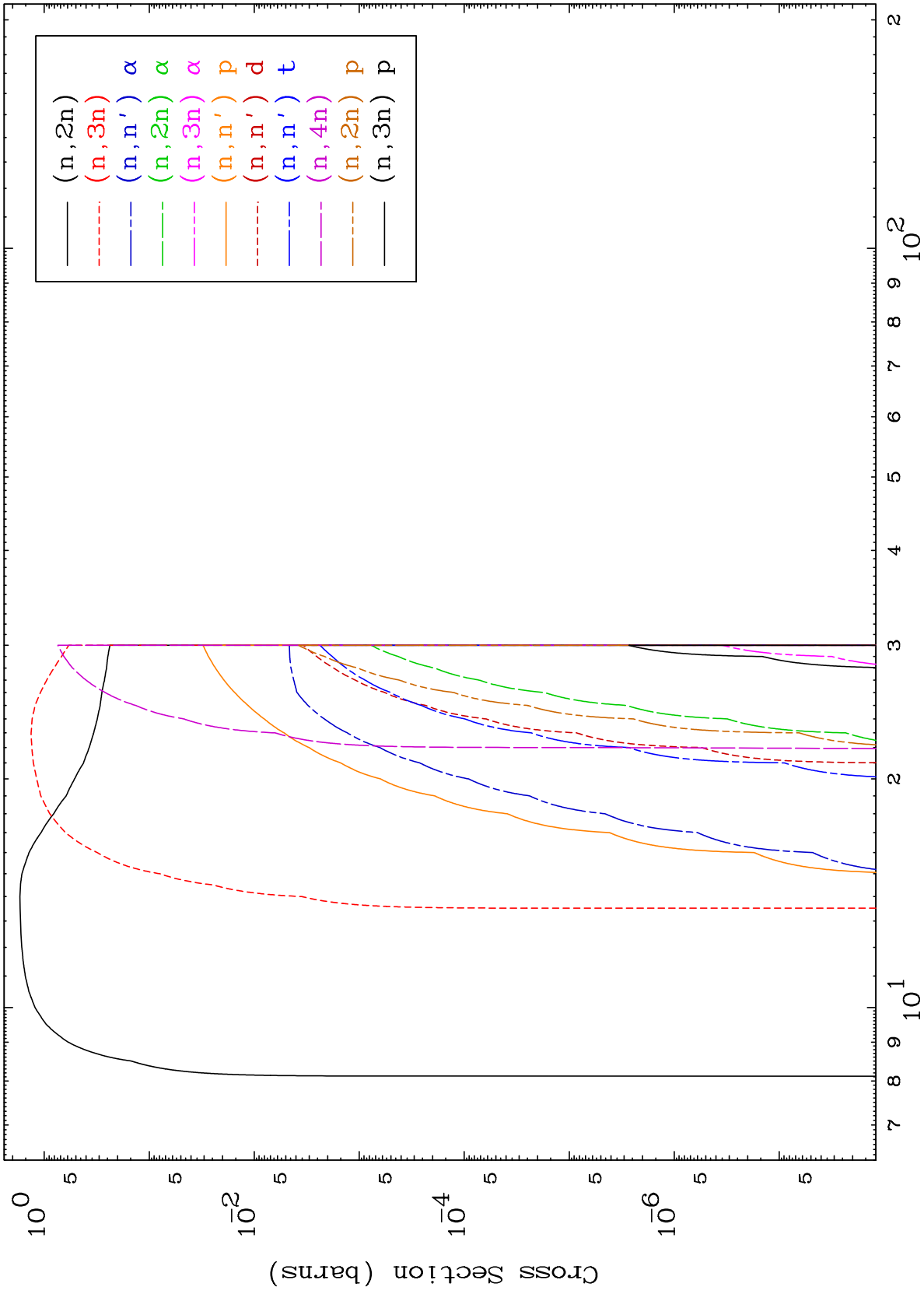
48-Cd-120



MAT 4867

### Neutron Production 293 Kelvin Cross Sections

48-Cd-120



2

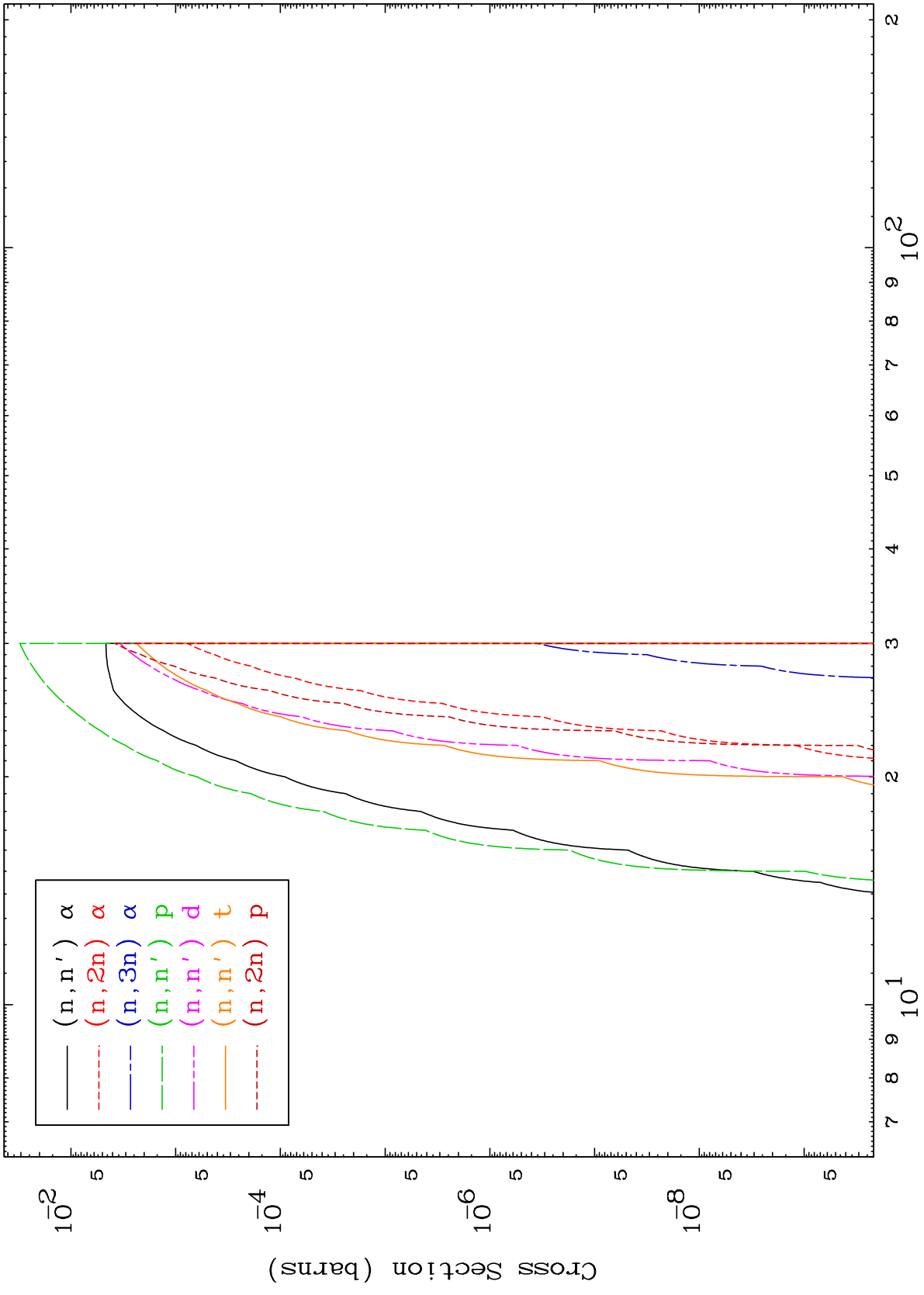
Incident Energy (MeV)

48-Cd-120

MAT 4867

Charged Particle  
293 Kelvin Cross Sections

48-Cd-120



3

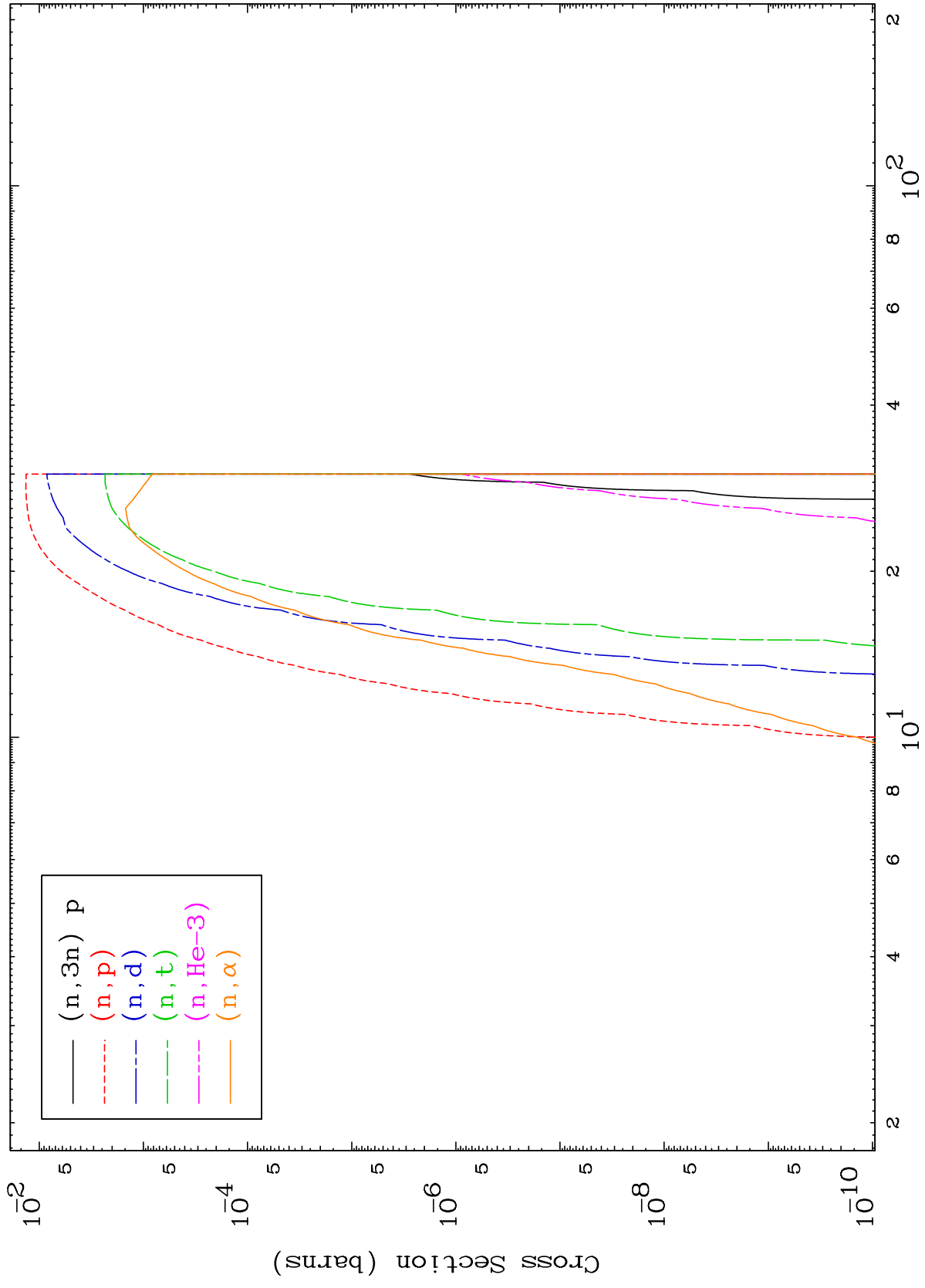
Incident Energy (MeV)

48-Cd-120

MAT 4867

Charged Particle  
293 Kelvin Cross Sections

48-Cd-120



4

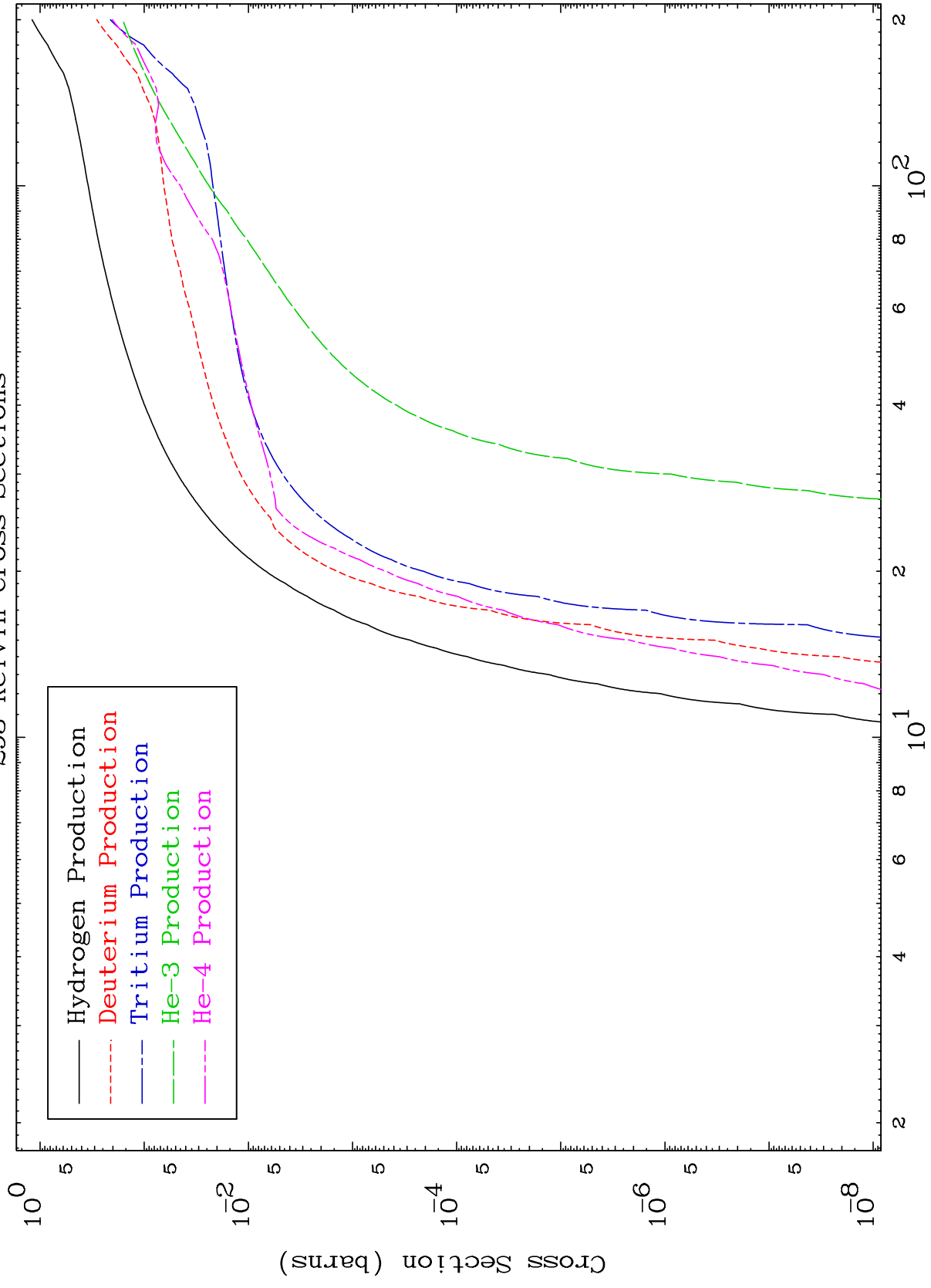
Incident Energy (MeV)

48-Cd-120

MAT 4867

Particle Production  
293 Kelvin Cross Sections

48-Cd-120



5

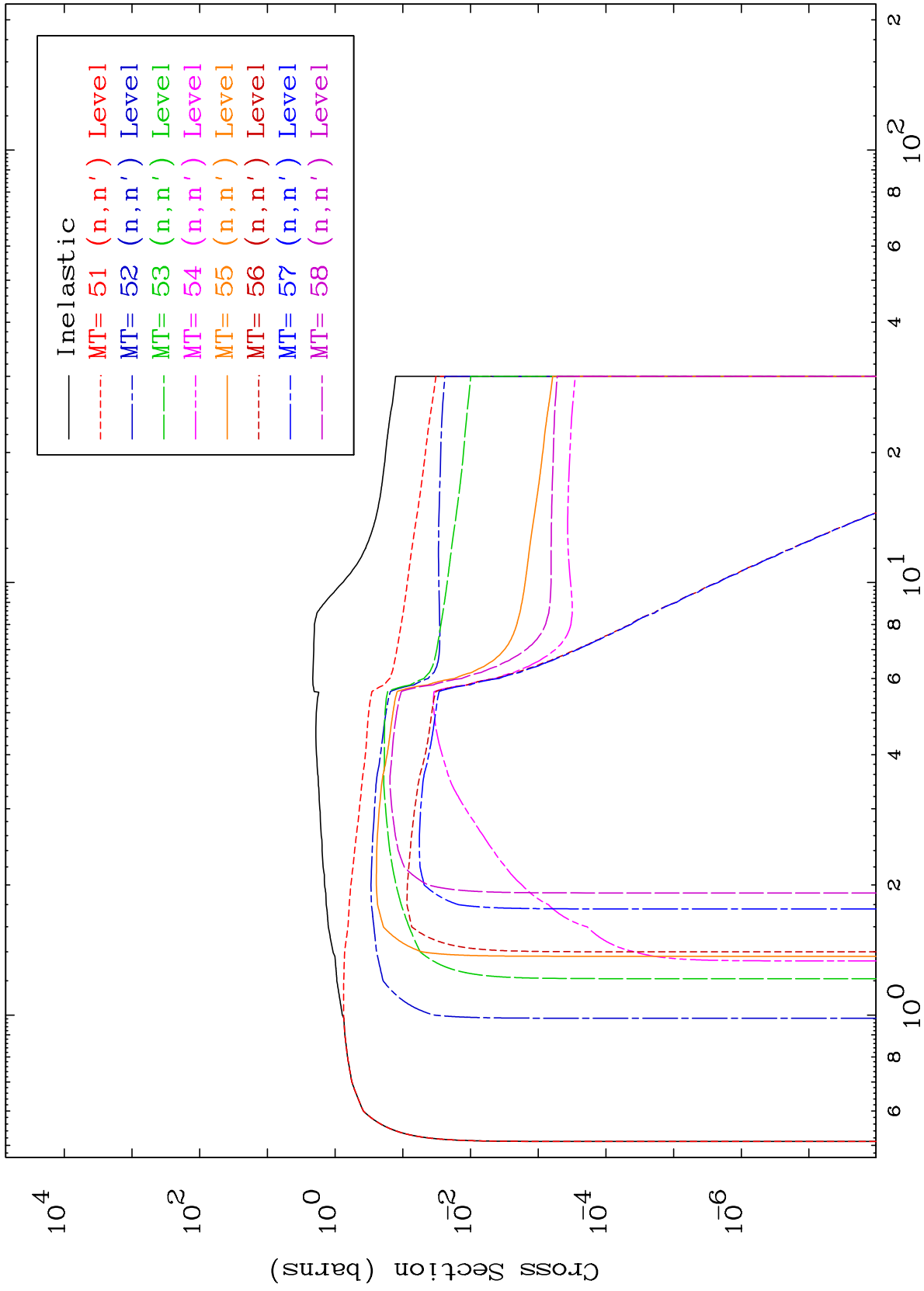
Incident Energy (MeV)

48-Cd-120

MAT 4867

(n,n') Level  
293 Kelvin Cross Sections

48-Cd-120



6

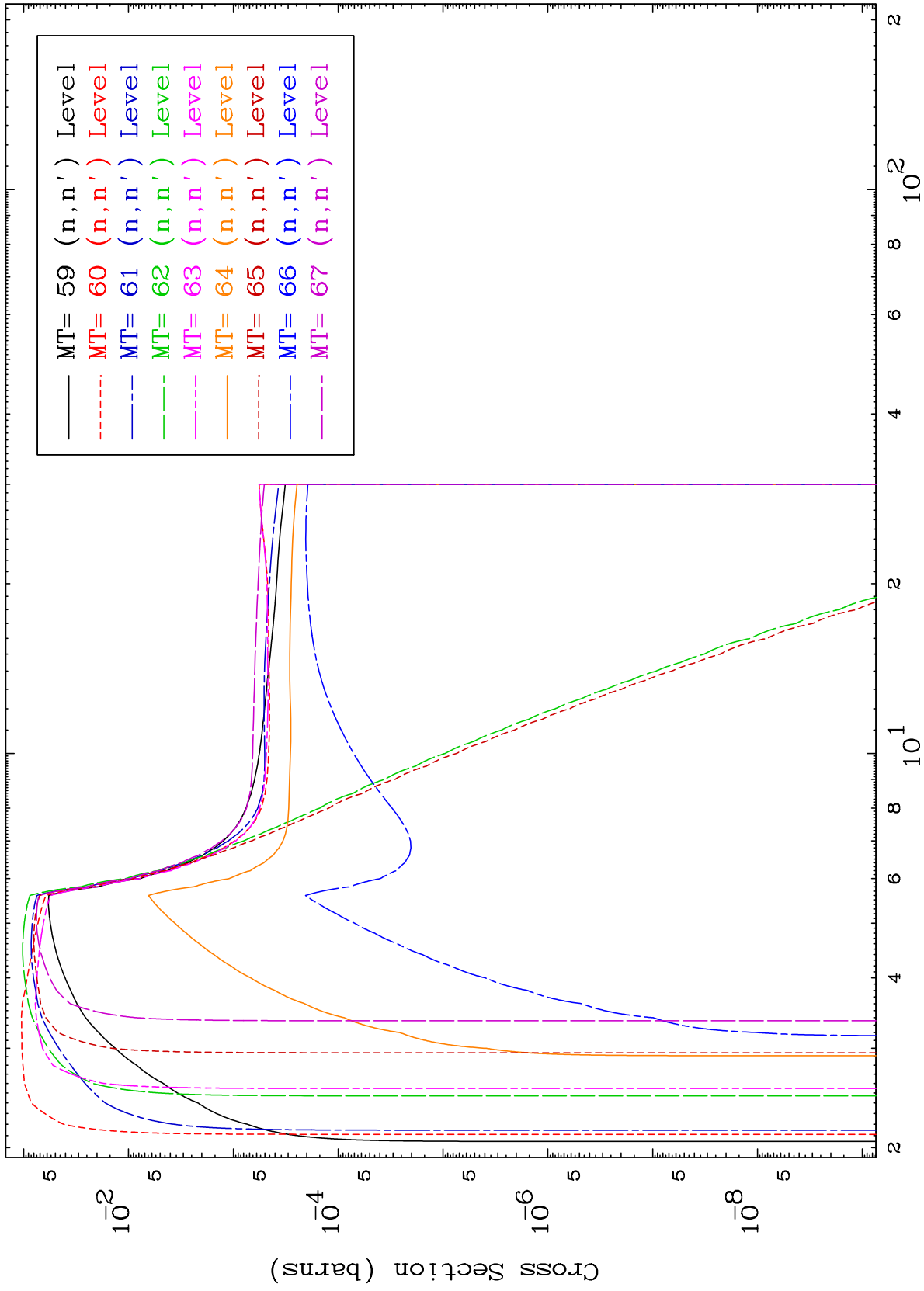
Incident Energy (MeV)

48-Cd-120

MAT 4867

(n,n') Level  
293 Kelvin Cross Sections

48-Cd-120



7

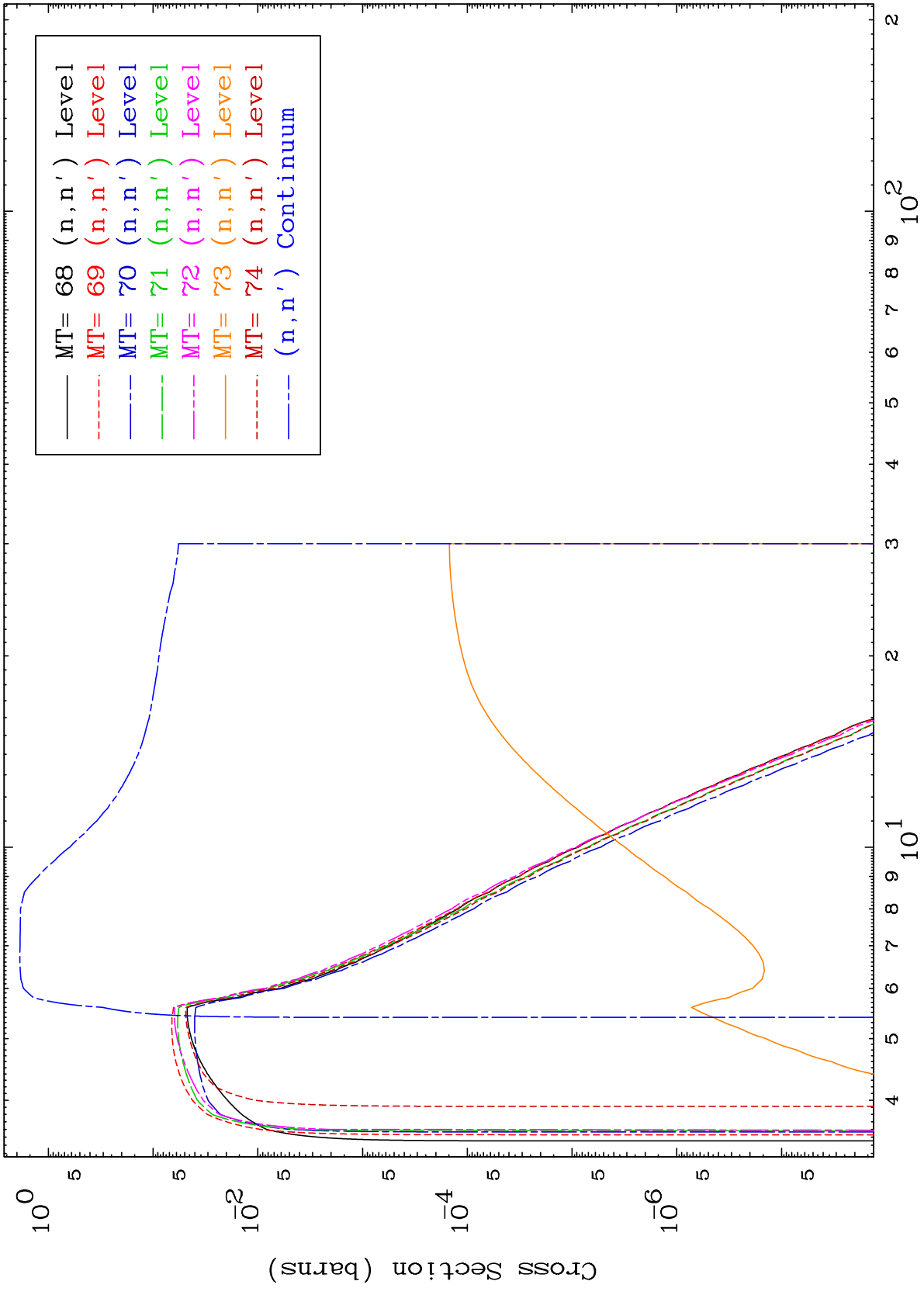
Incident Energy (MeV)

48-Cd-120

MAT 4867

(n,n') Level  
293 Kelvin Cross Sections

48-Cd-120



8

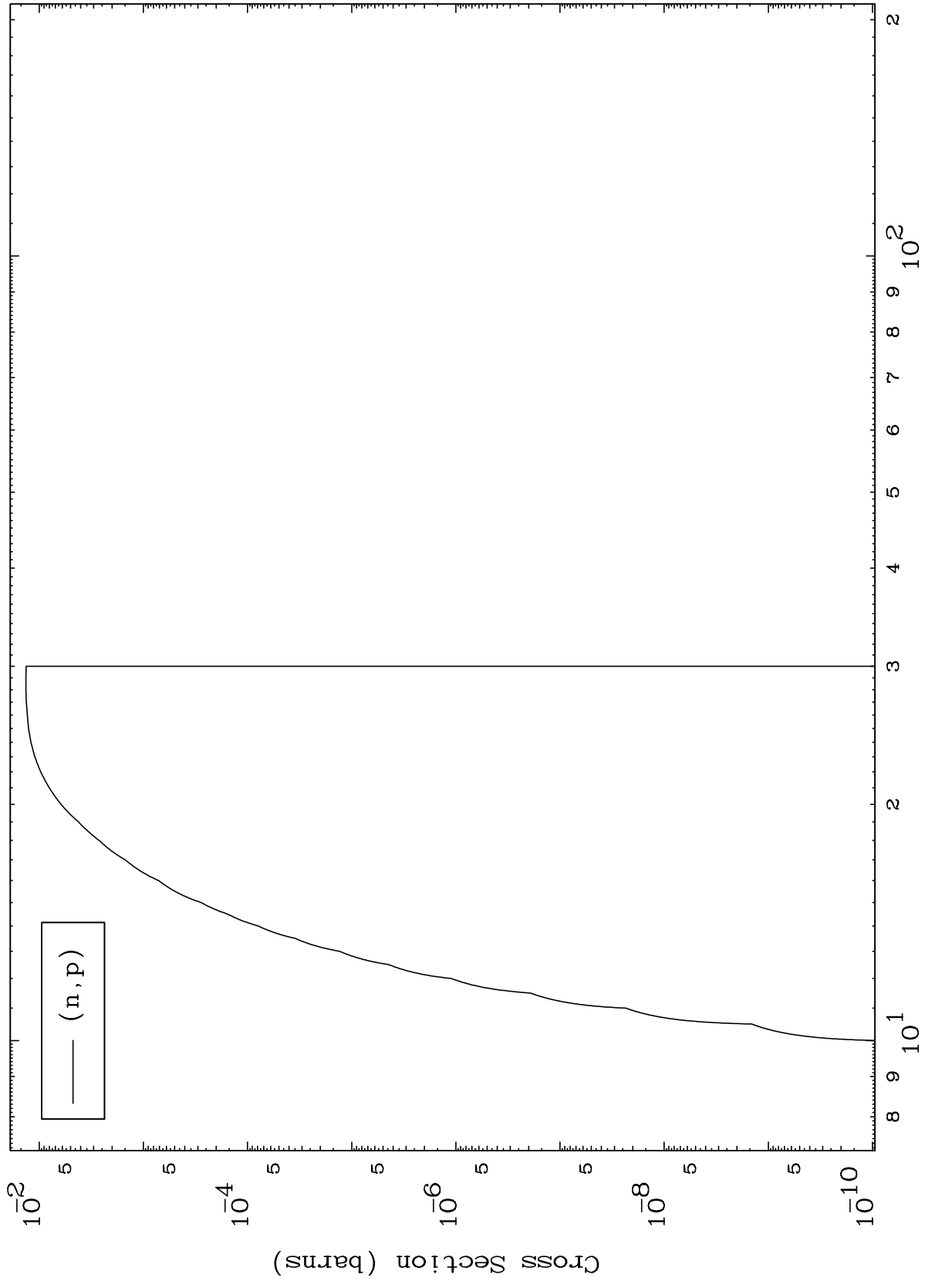
Incident Energy (MeV)

48-Cd-120

MAT 4867

(n,p) Levels  
293 Kelvin Cross Sections

48-Cd-120



9

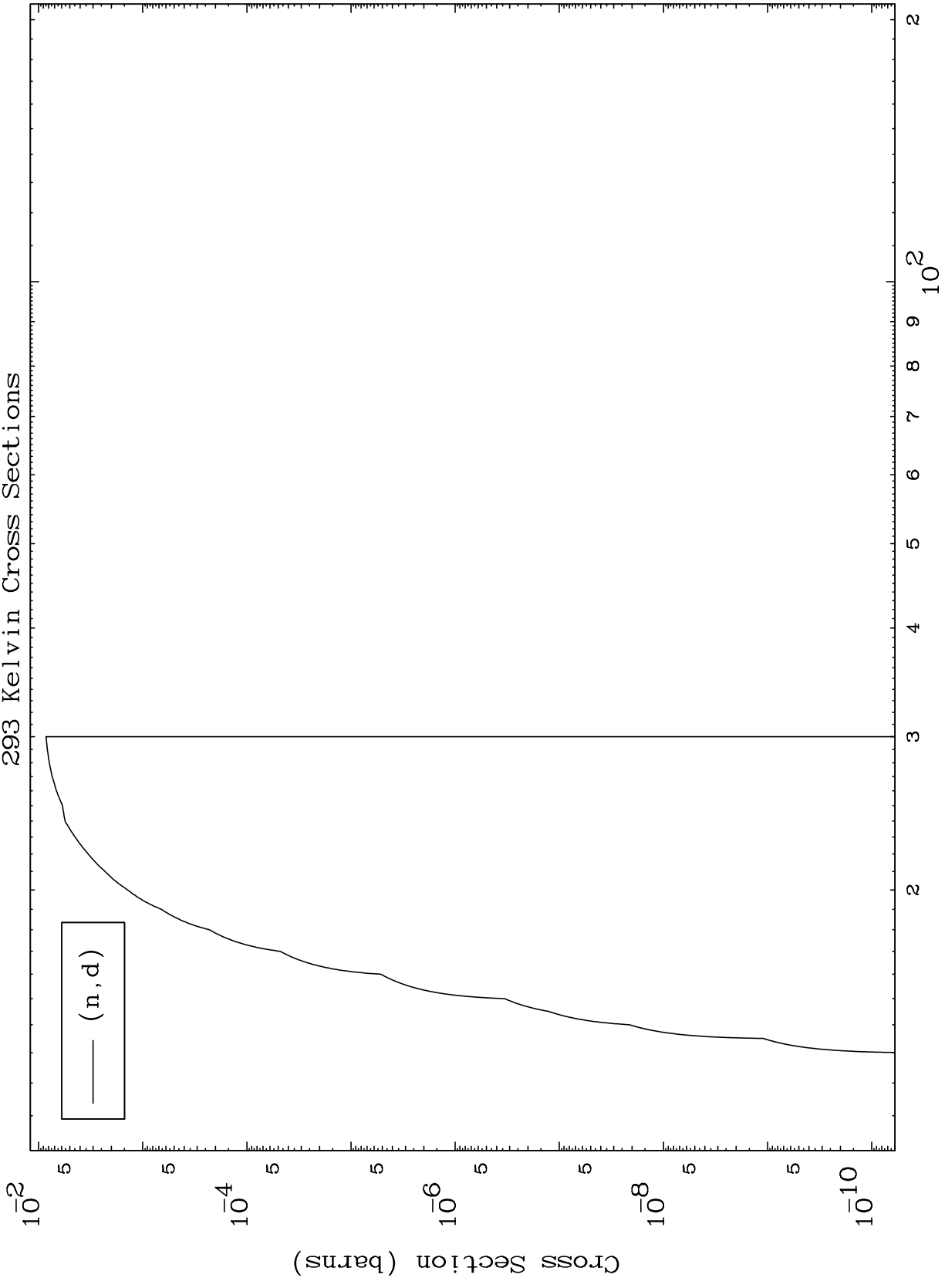
Incident Energy (MeV)

48-Cd-120

MAT 4867

(n,d) Levels  
293 Kelvin Cross Sections

48-Cd-120



10

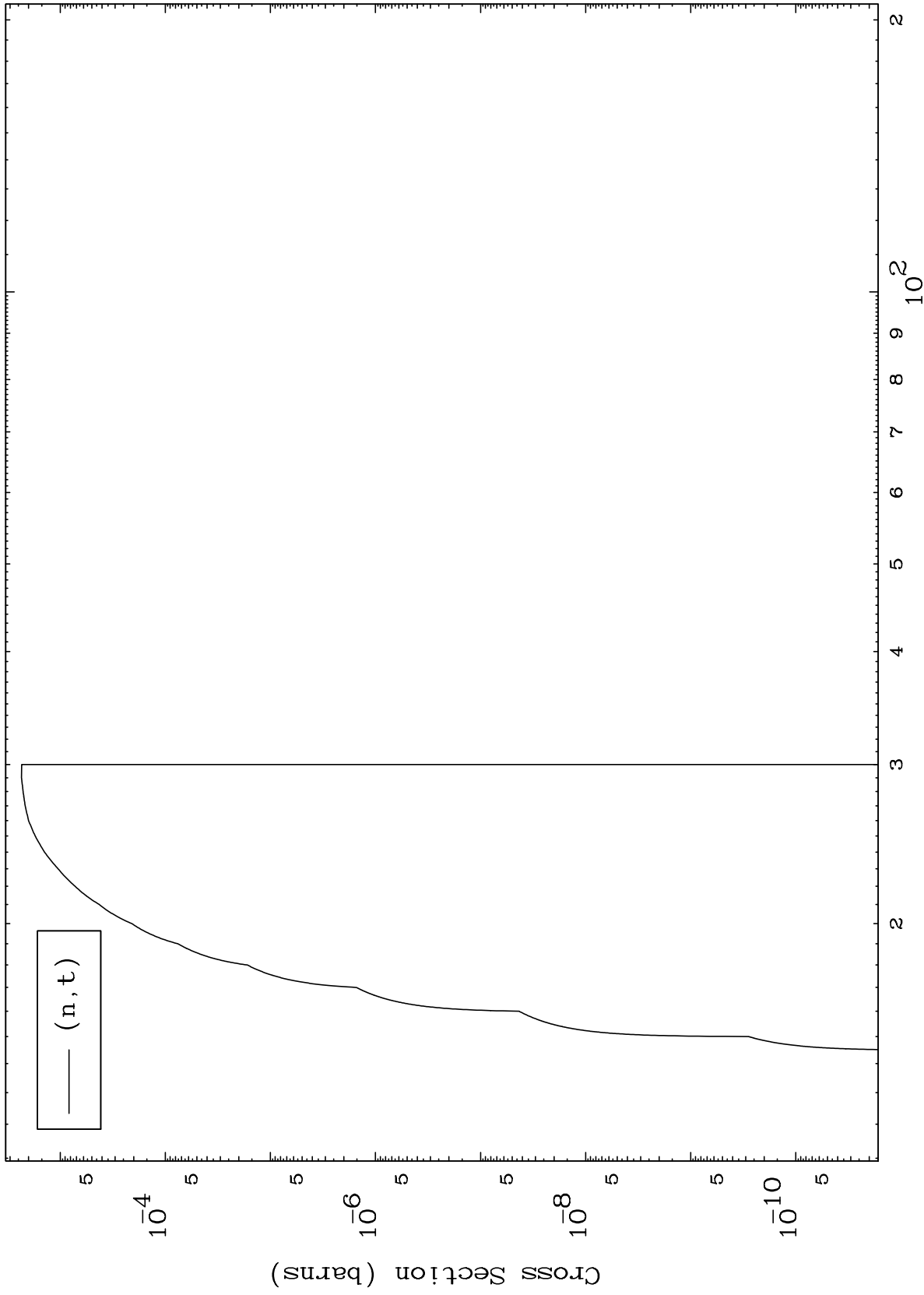
Incident Energy (MeV)

48-Cd-120

MAT 4867

(n,t) Levels  
293 Kelvin Cross Sections

48-Cd-120



11

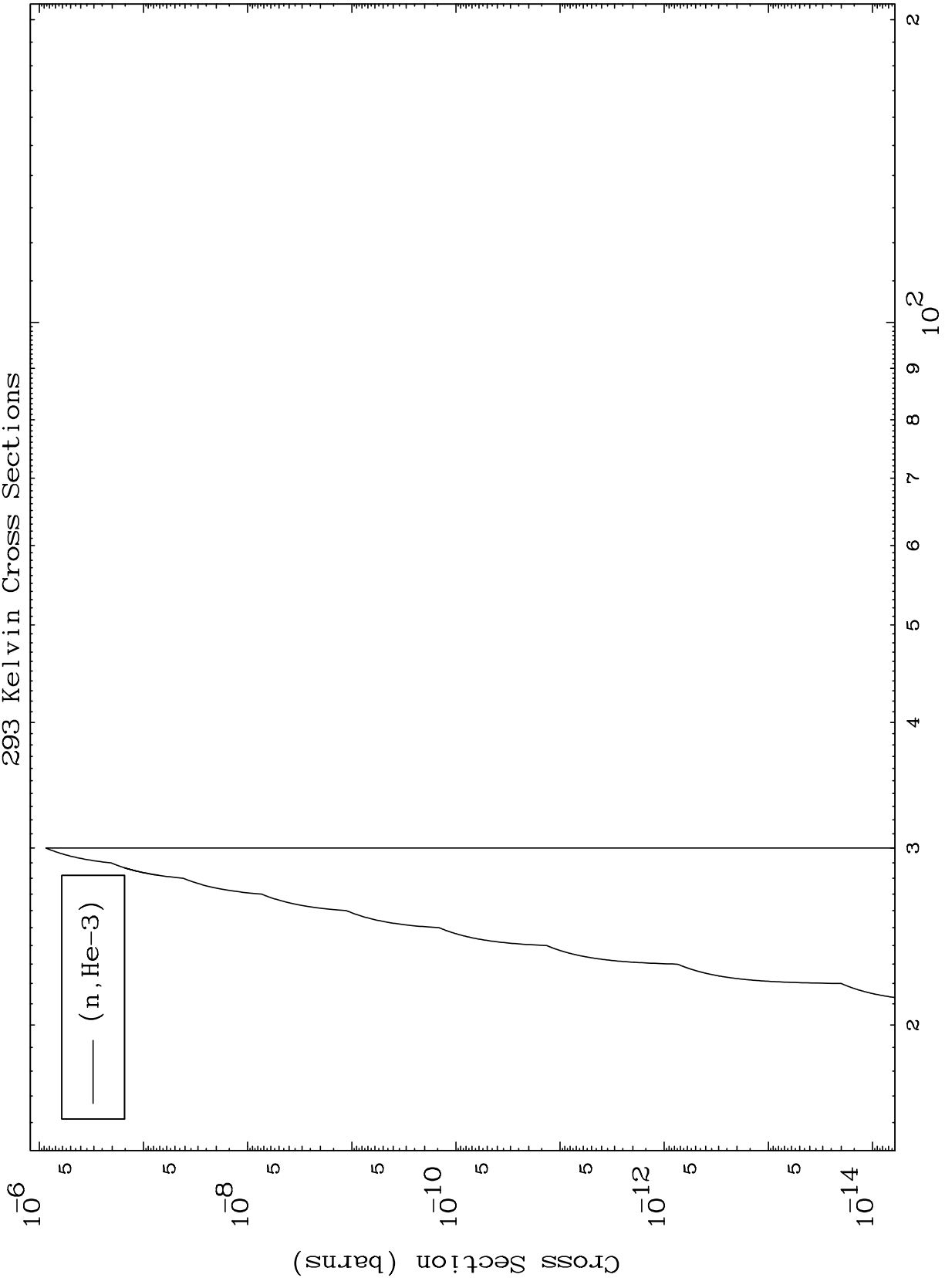
Incident Energy (MeV)

48-Cd-120

MAT 4867

(n,He3) Levels  
293 Kelvin Cross Sections

48-Cd-120



12

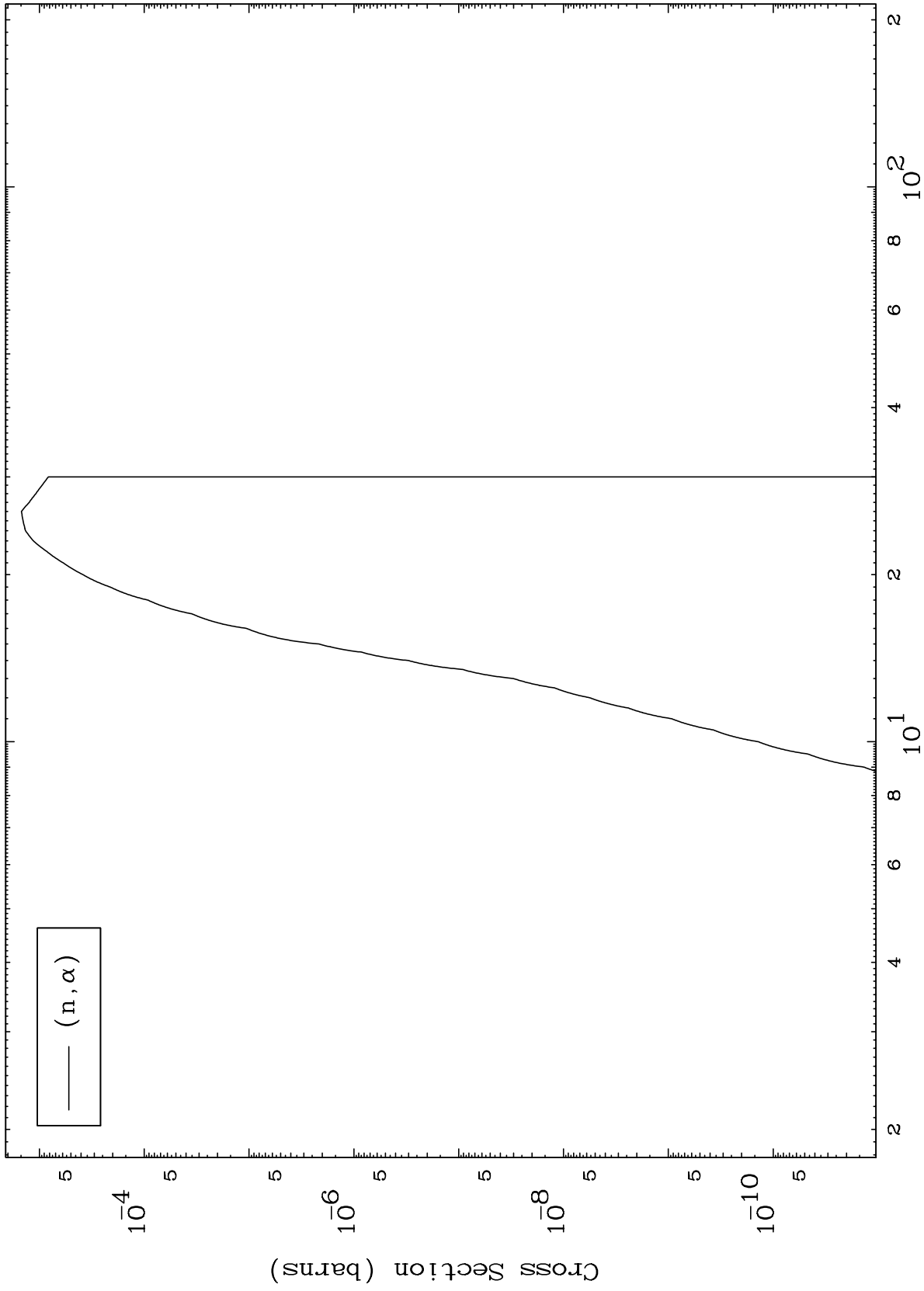
Incident Energy (MeV)

48-Cd-120

MAT 4867

(n,α) Levels  
293 Kelvin Cross Sections

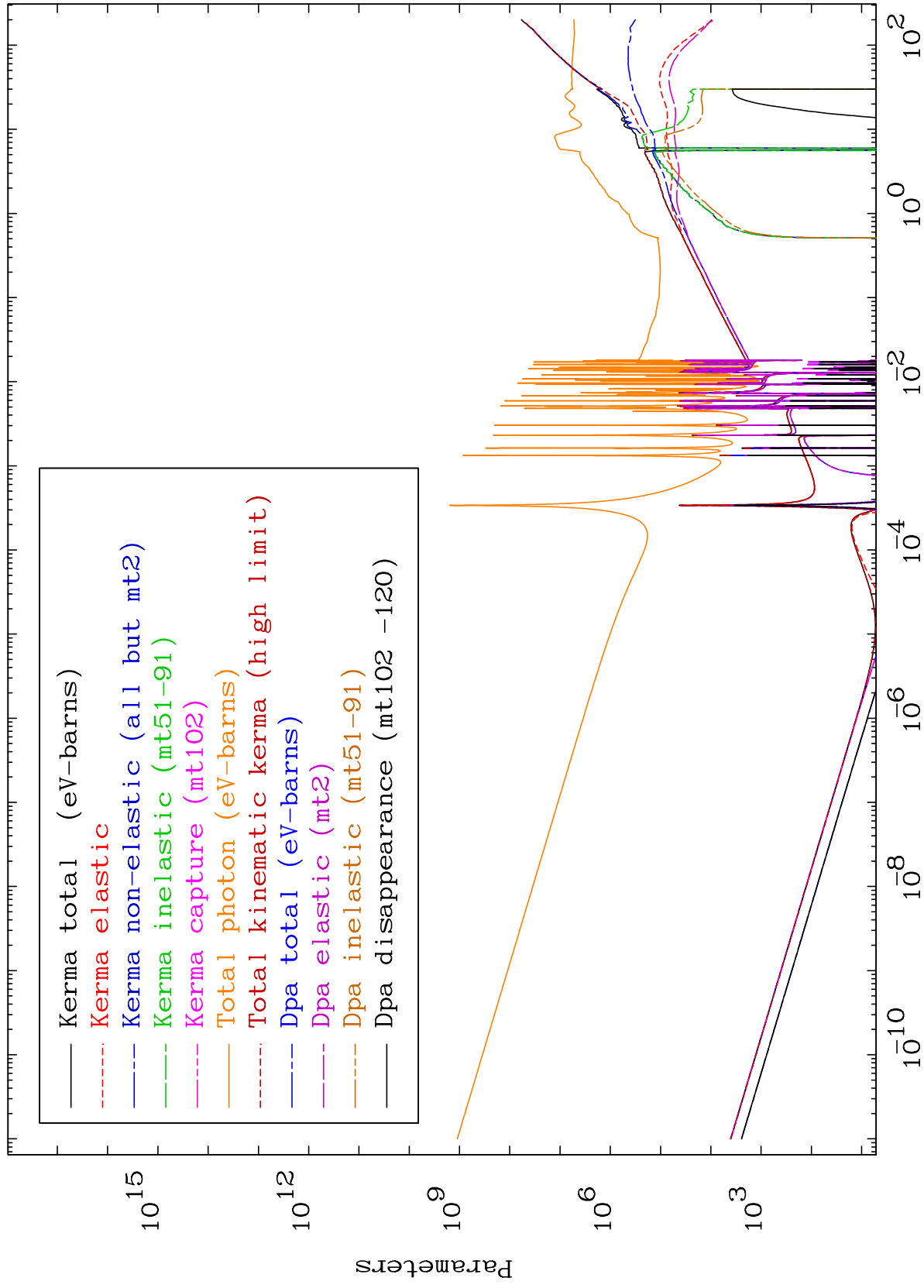
48-Cd-120



13

Incident Energy (MeV)

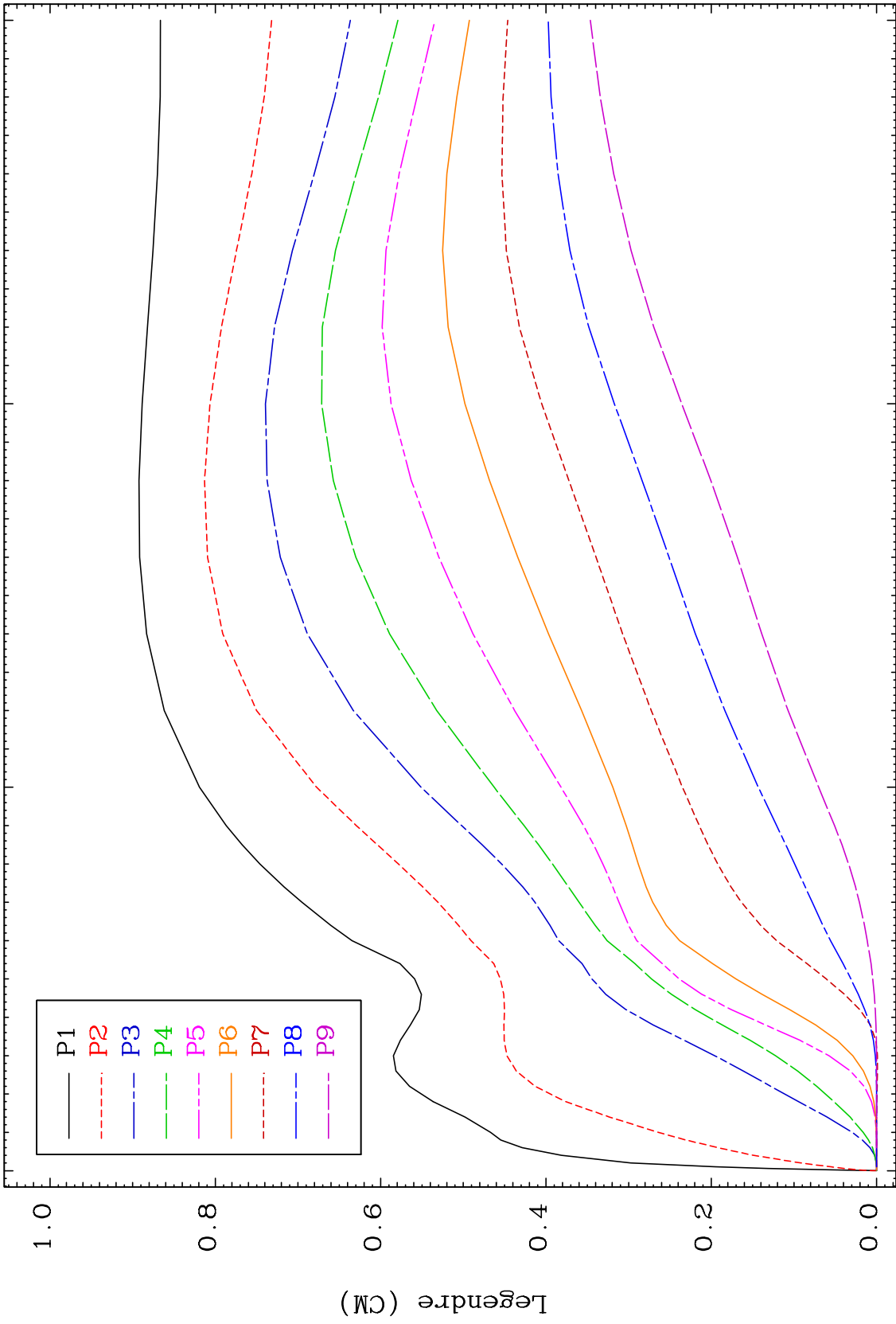
48-Cd-120



MAT 4867

Elastic Legendre Coefficients

48-Cd-120



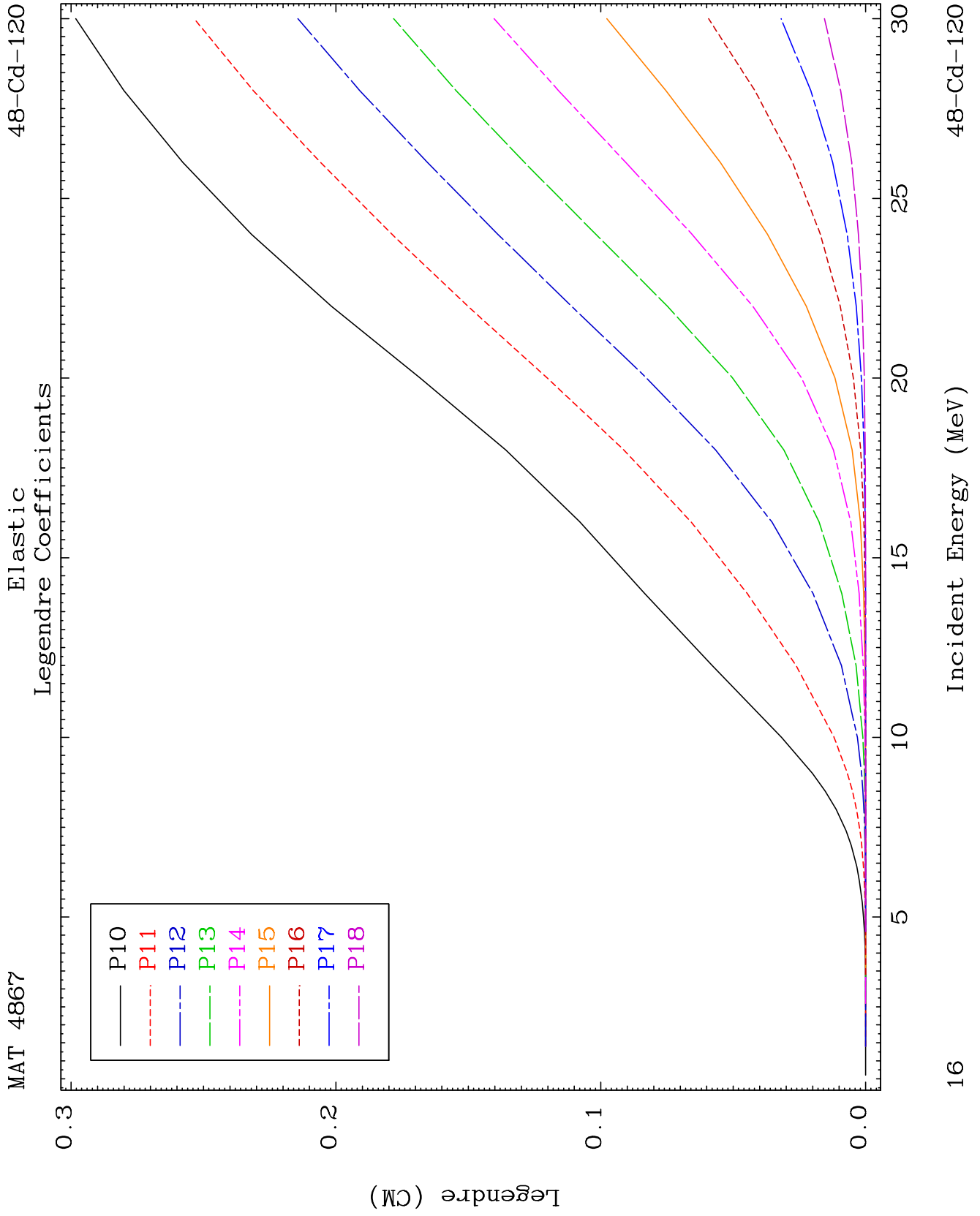
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10

20

30

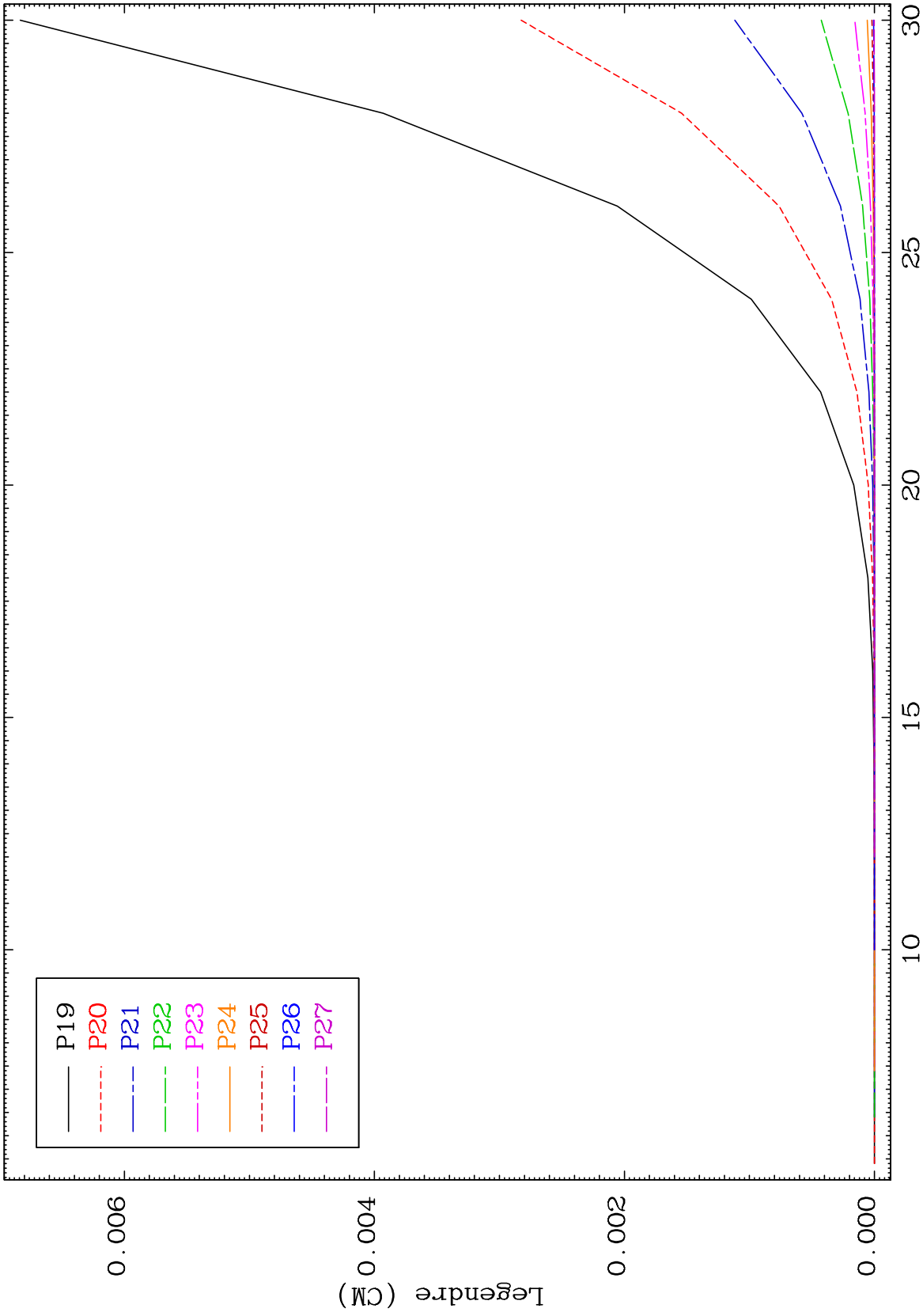
48-Cd-120



MAT 4867

### Elastic Legendre Coefficients

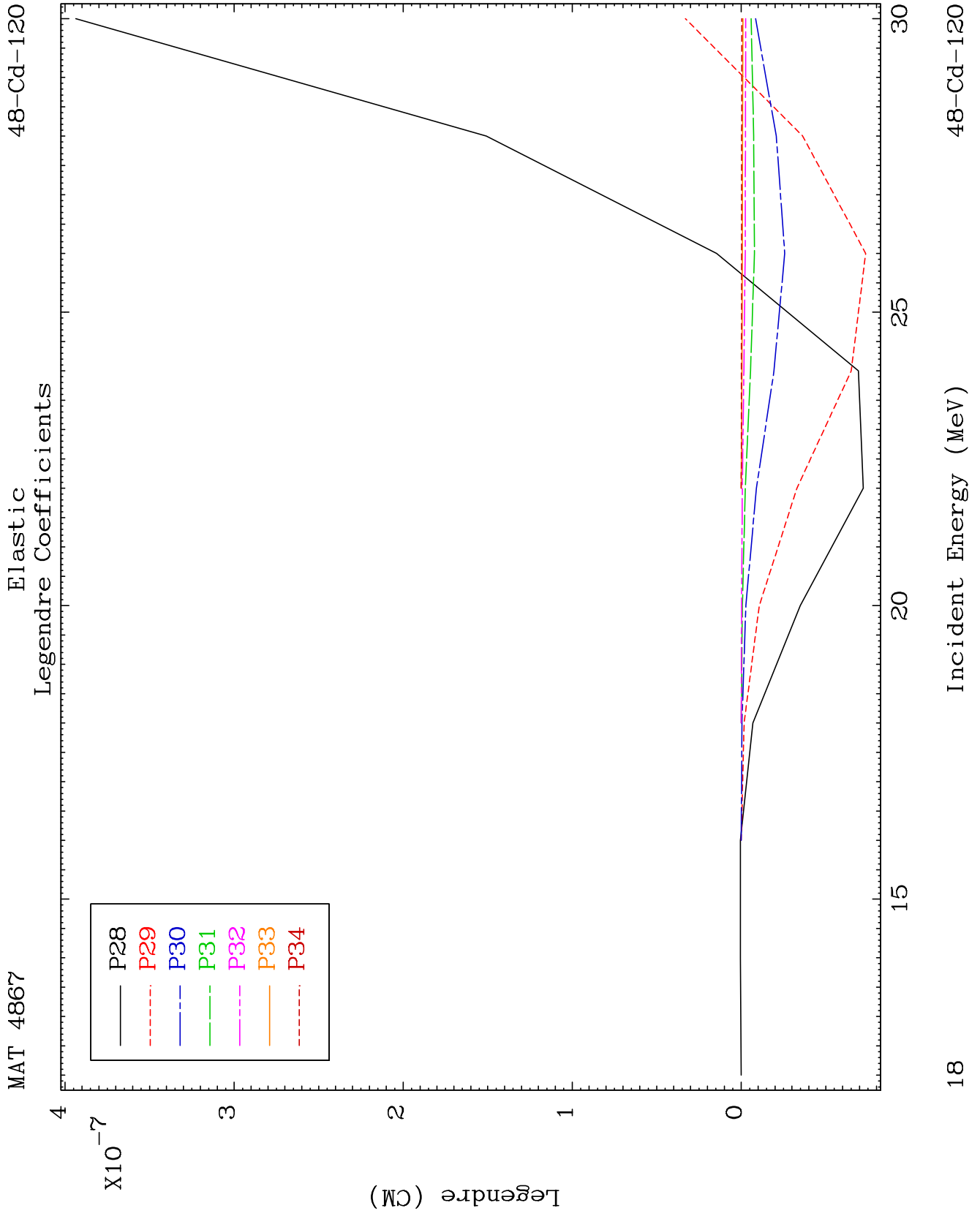
48-Cd-120



17

Incident Energy (MeV)

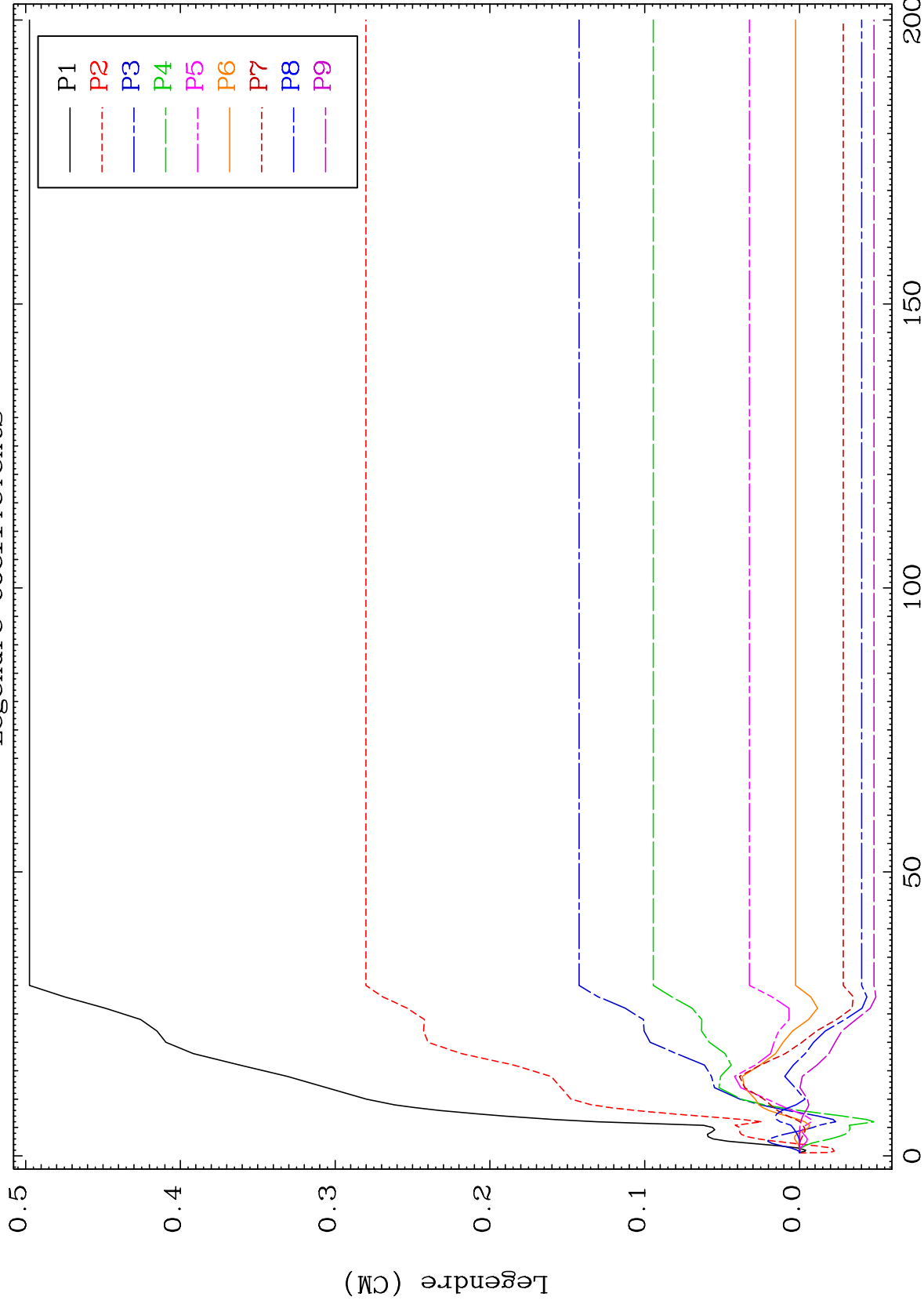
48-Cd-120



MAT 4867

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

48-Cd-120



19

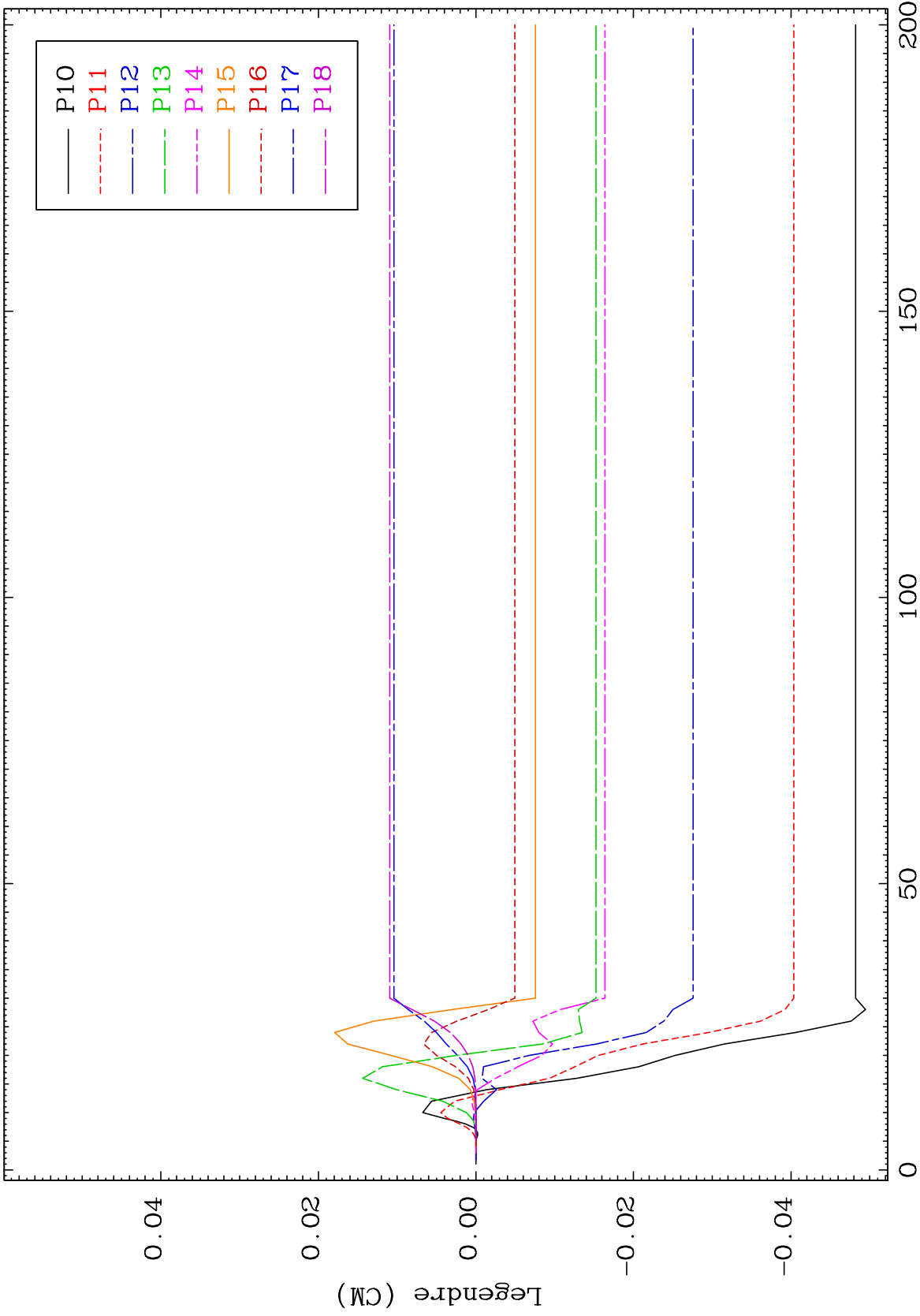
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



0

50

100

150

200

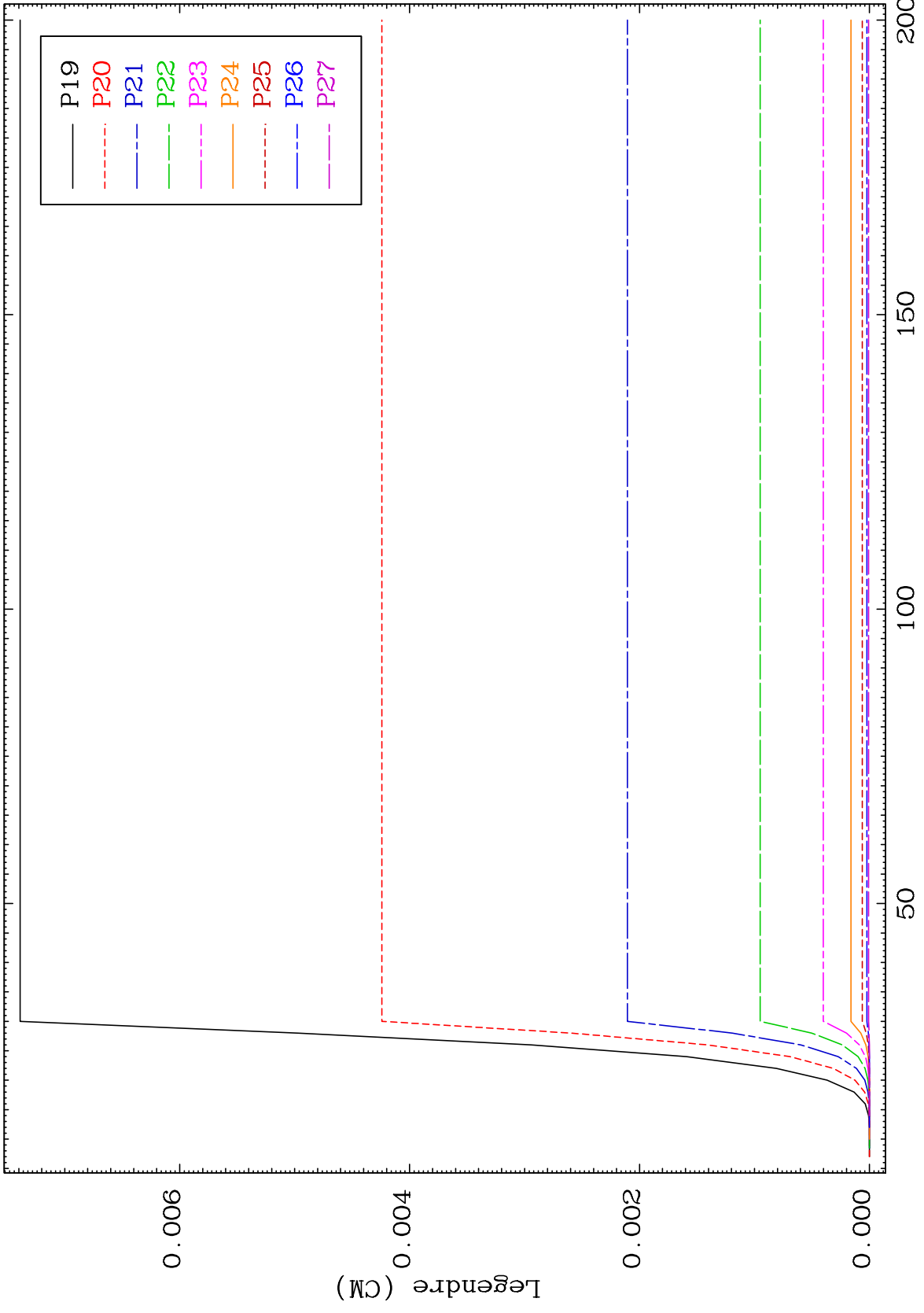
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



21

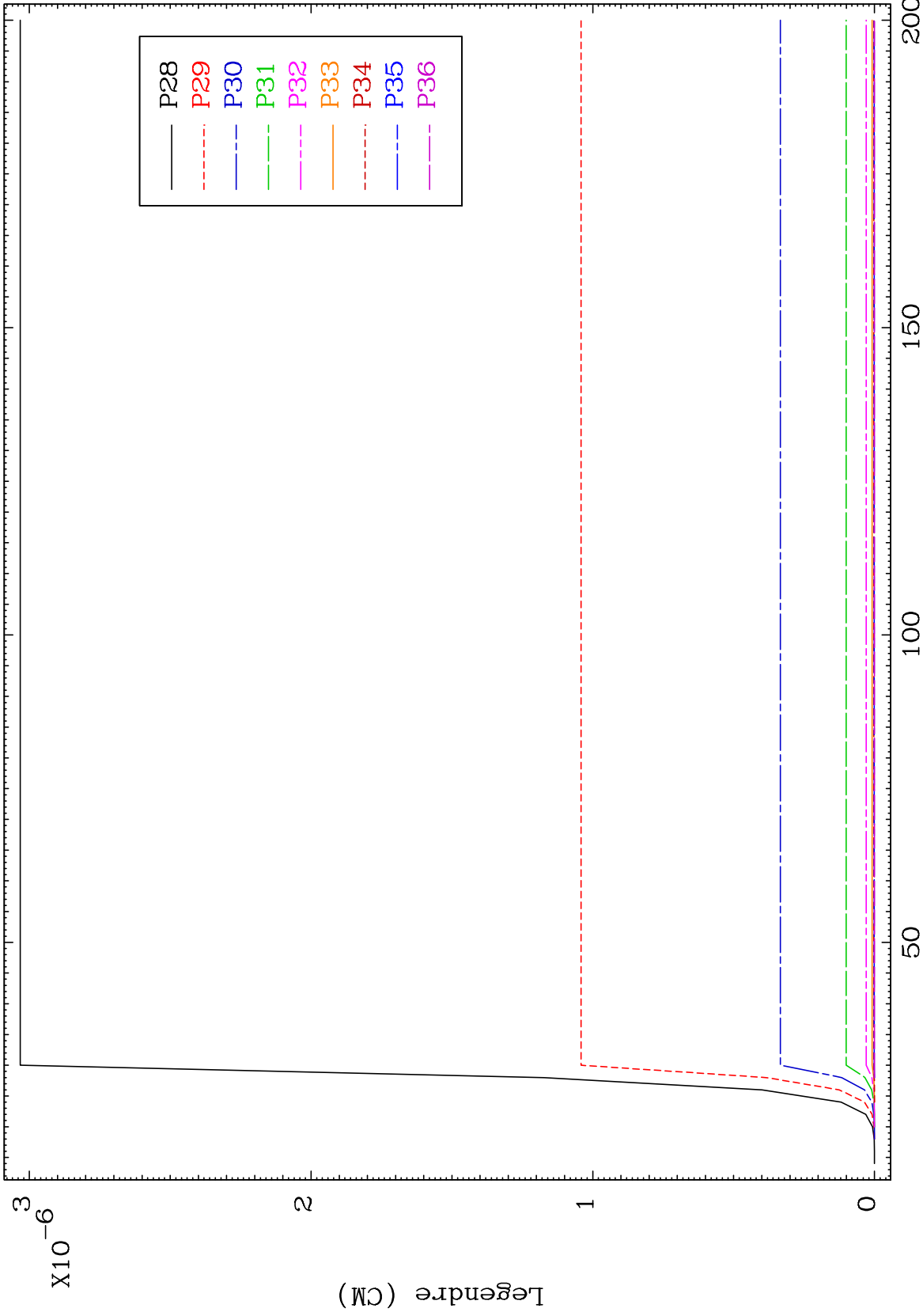
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



22

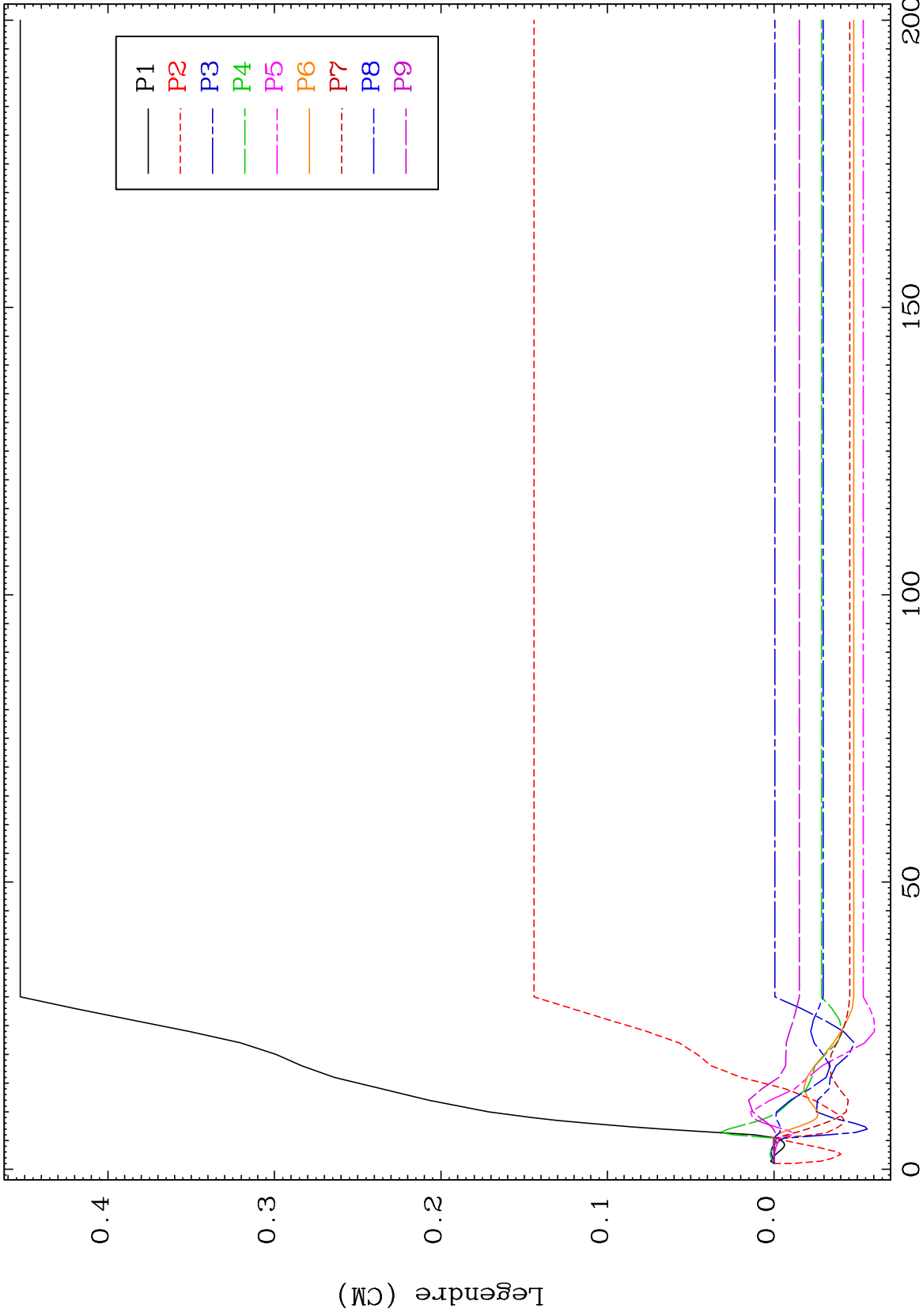
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



23

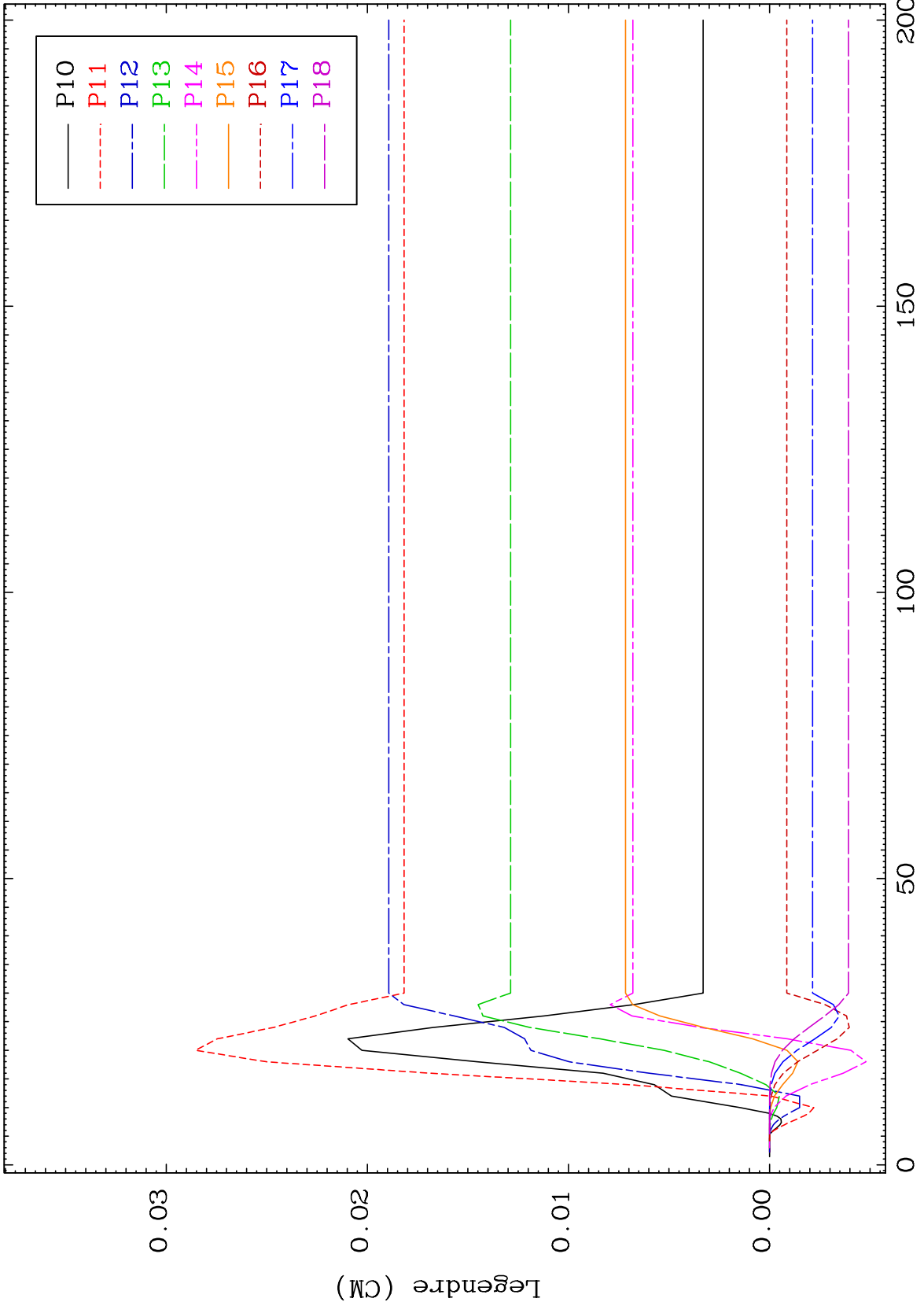
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



24

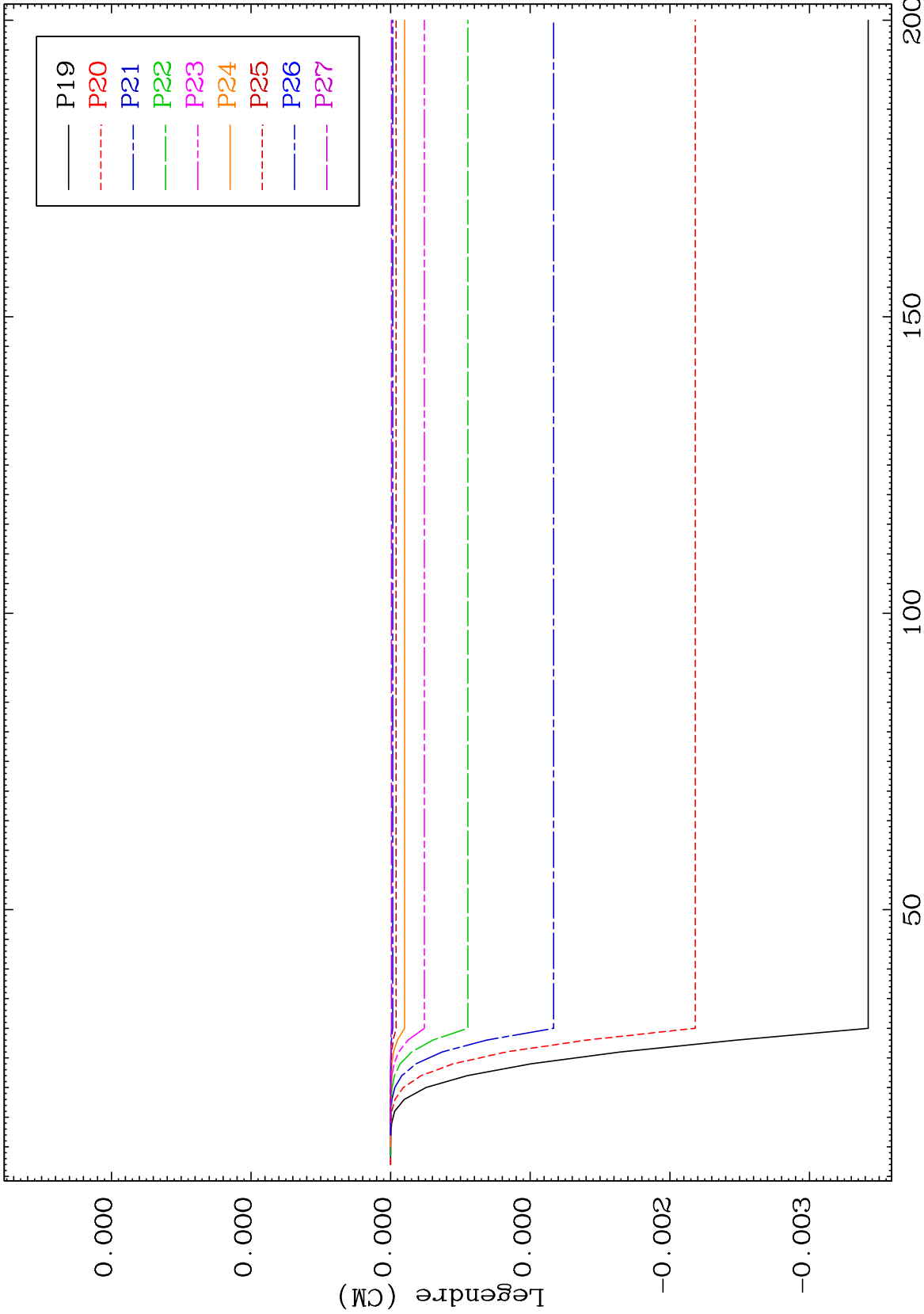
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



25

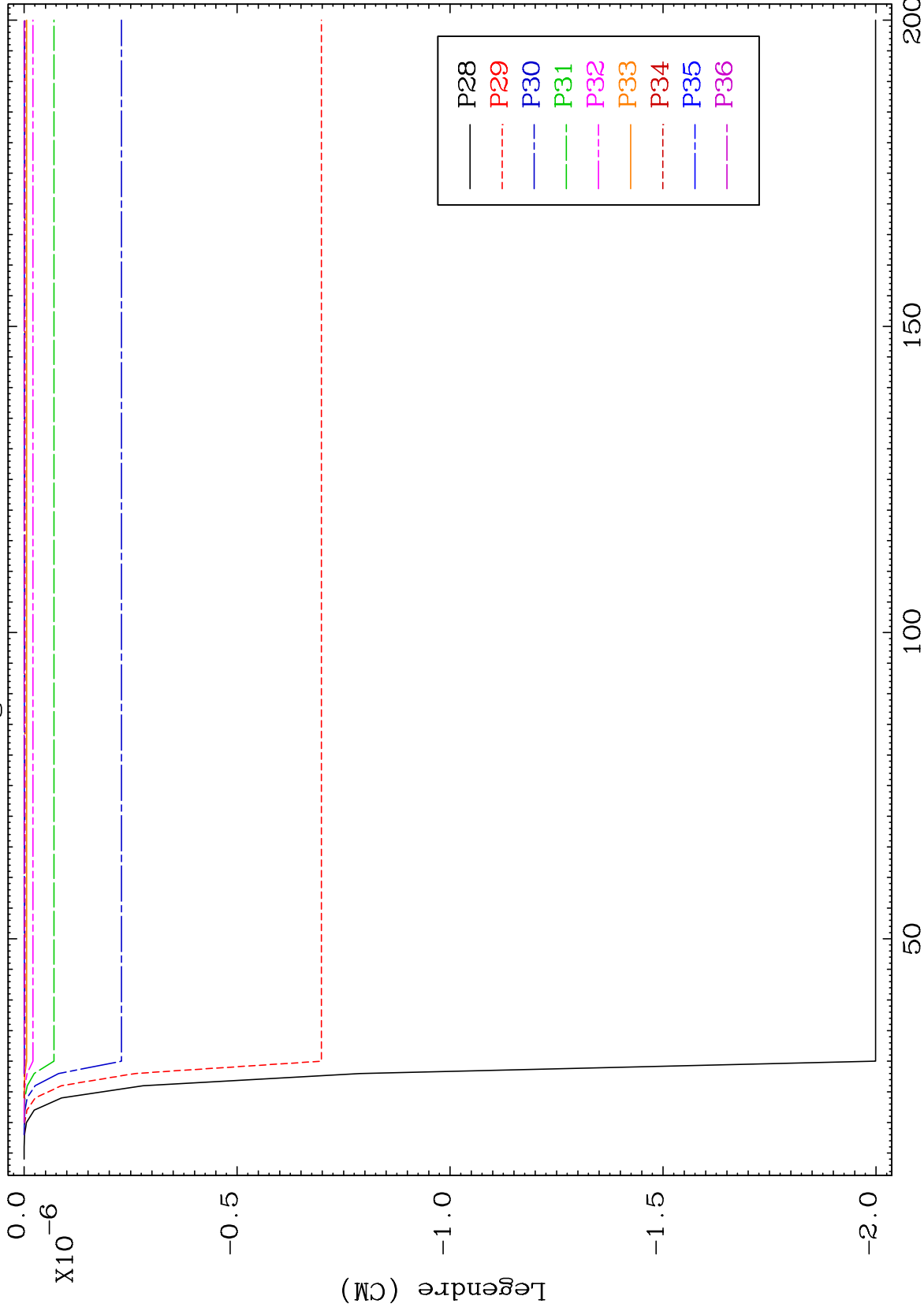
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



48-Cd-120

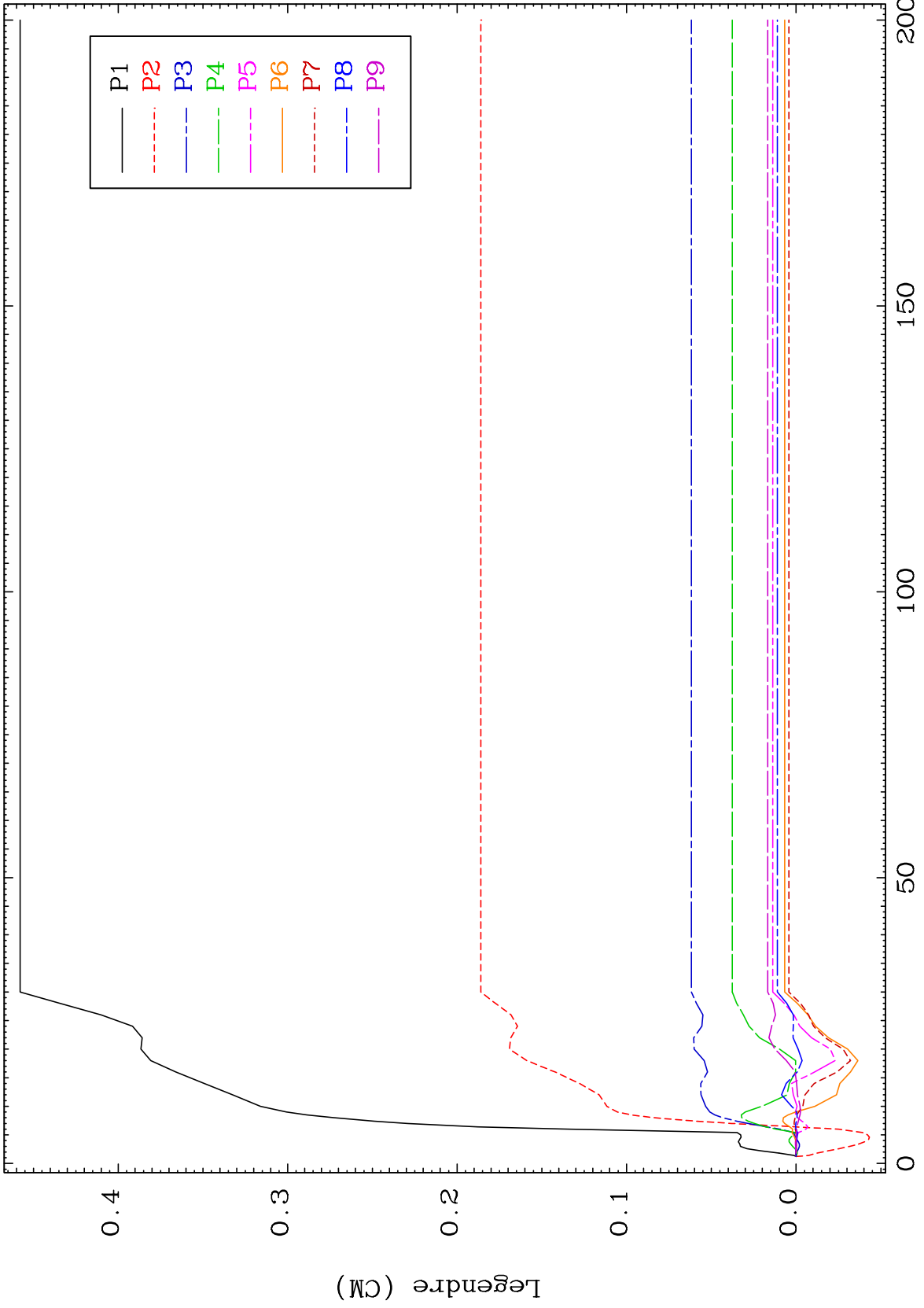
Incident Energy (MeV)

26

MAT 4867

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

48-Cd-120



27

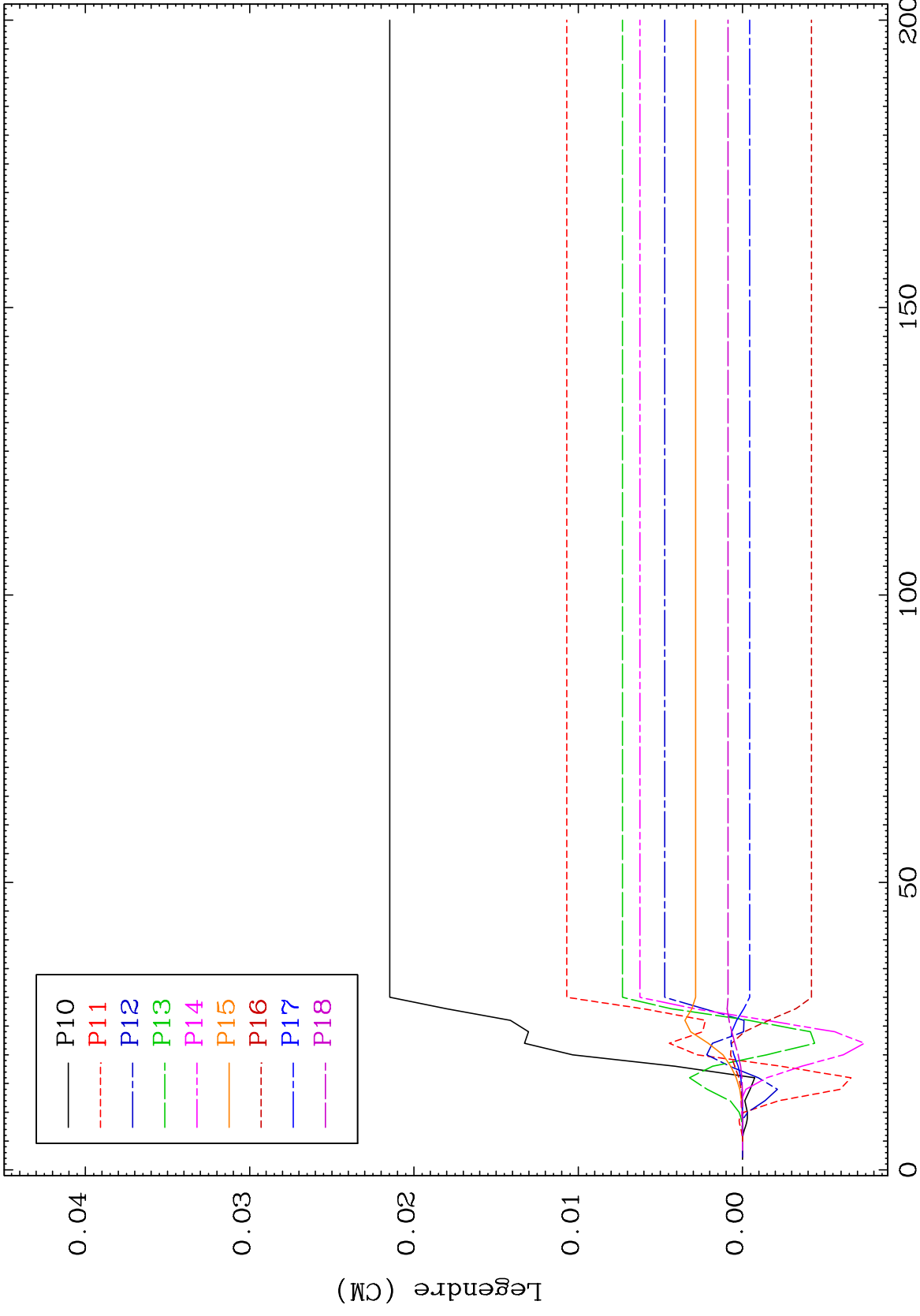
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



28

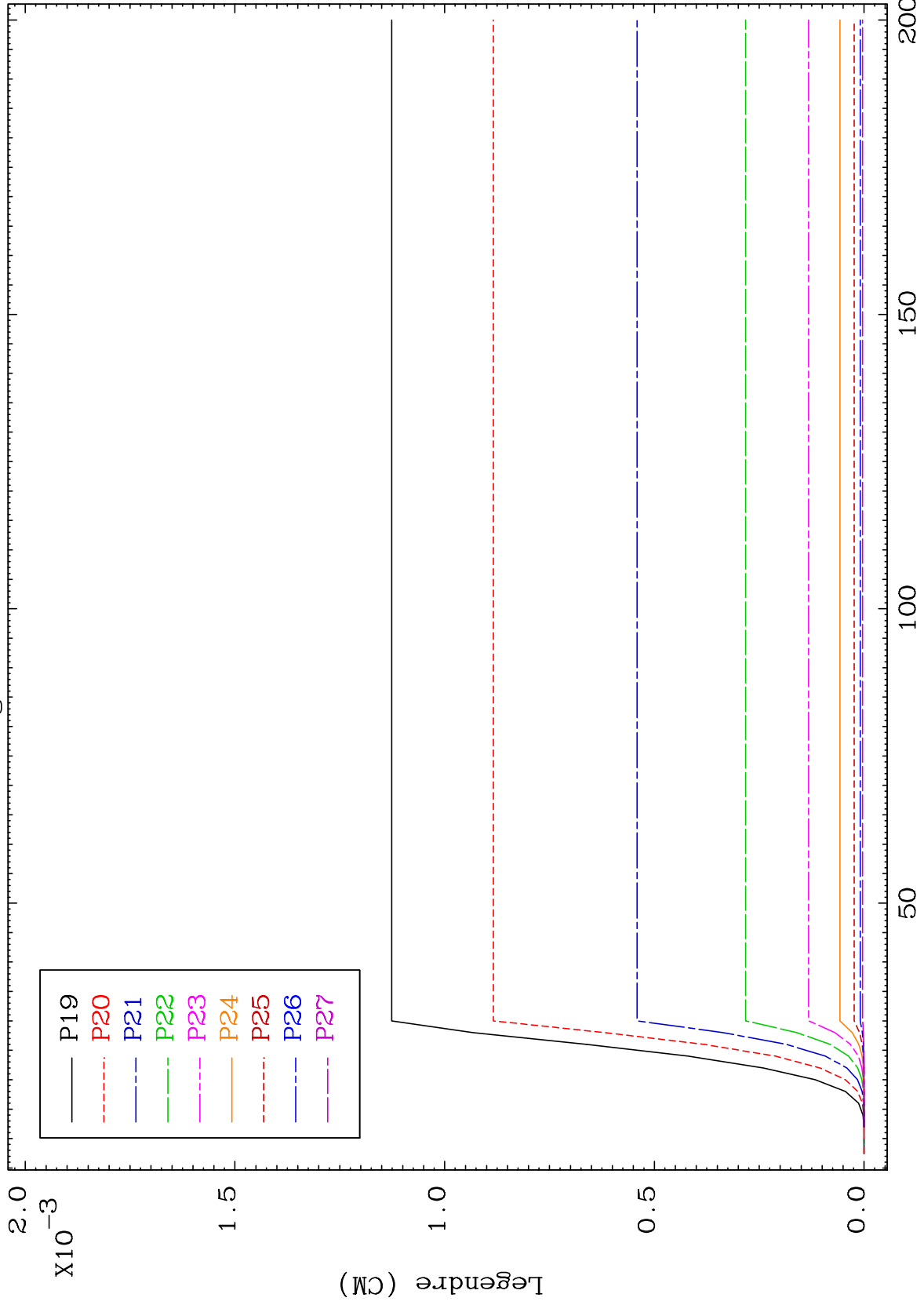
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



29

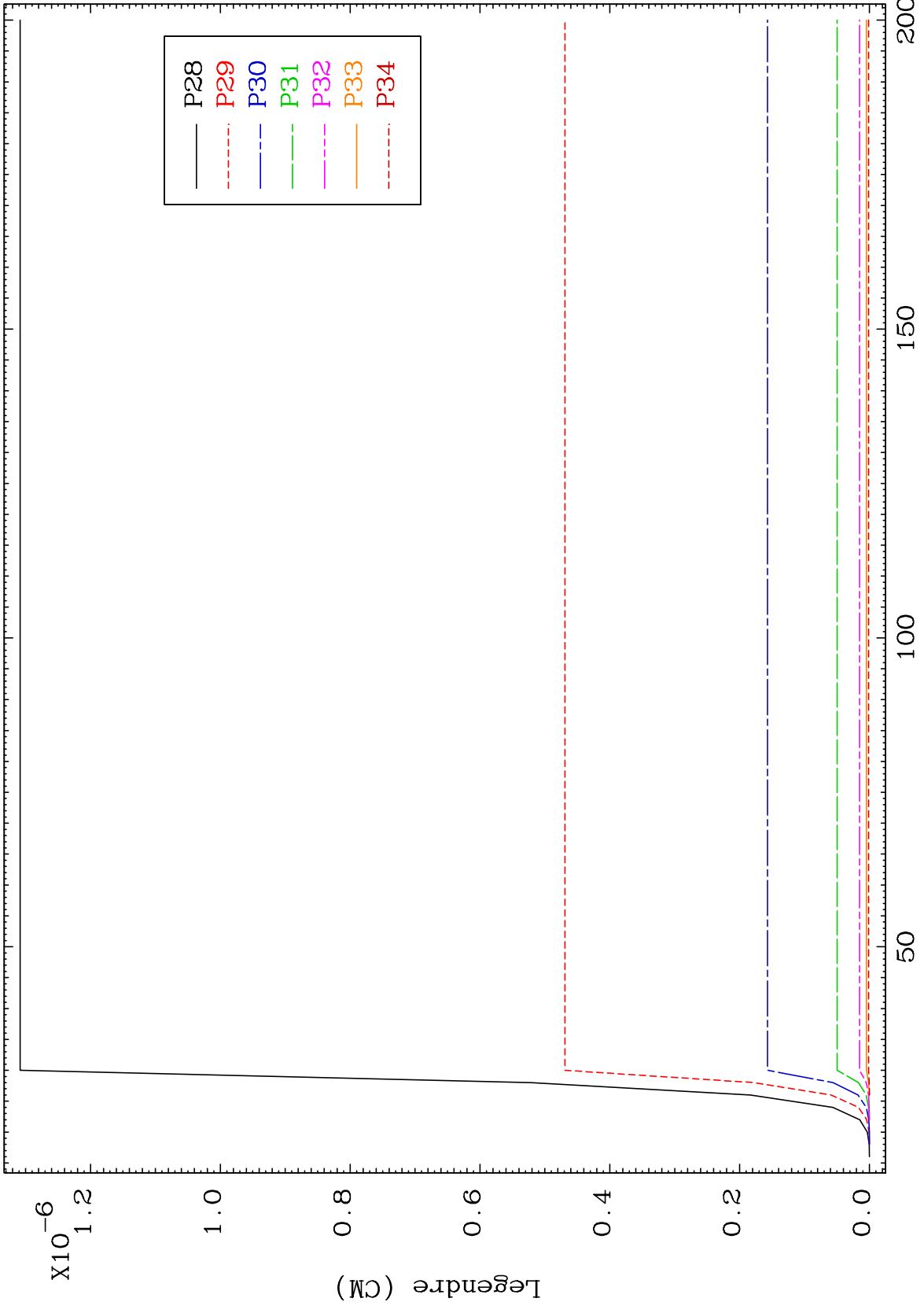
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



30

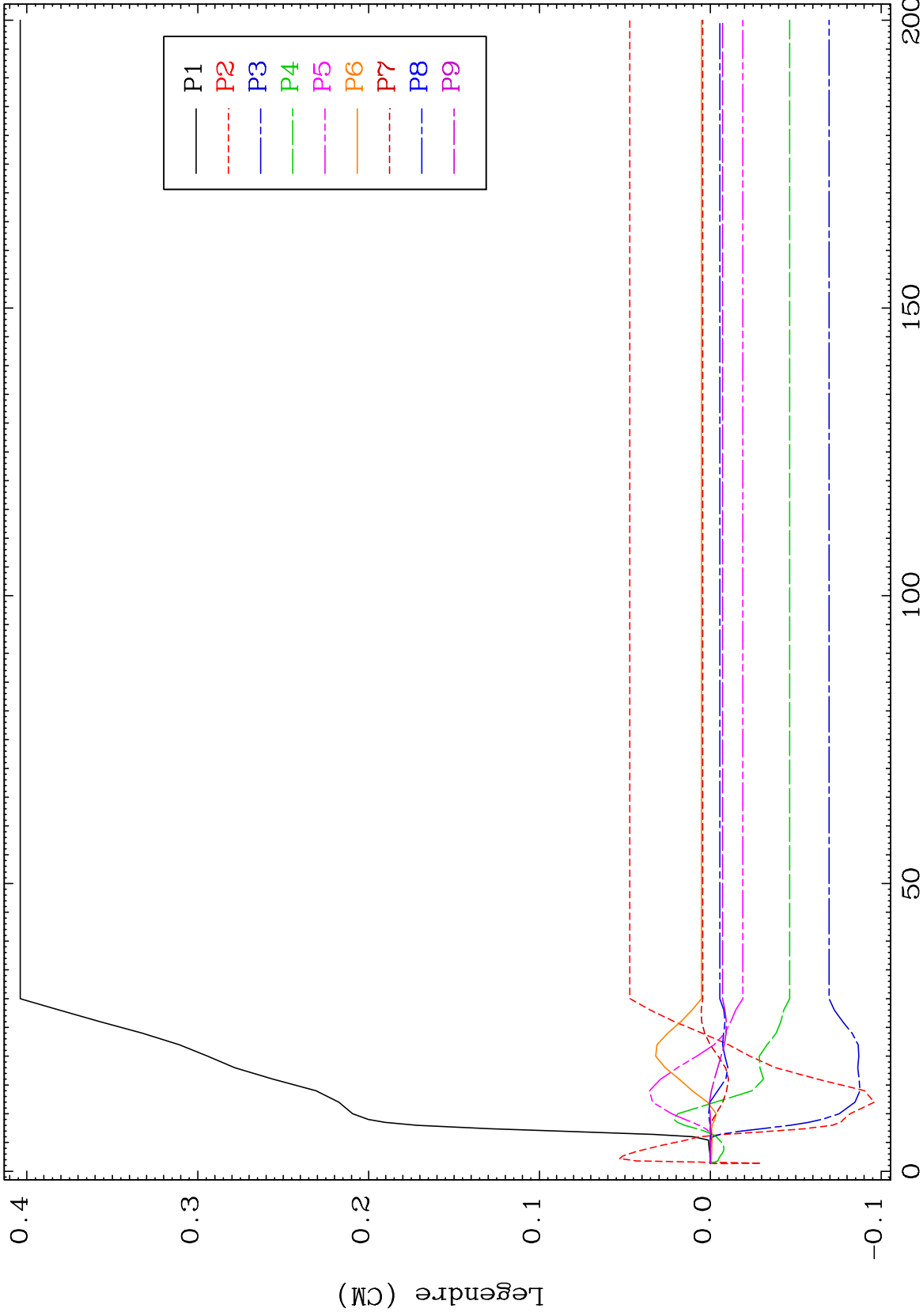
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

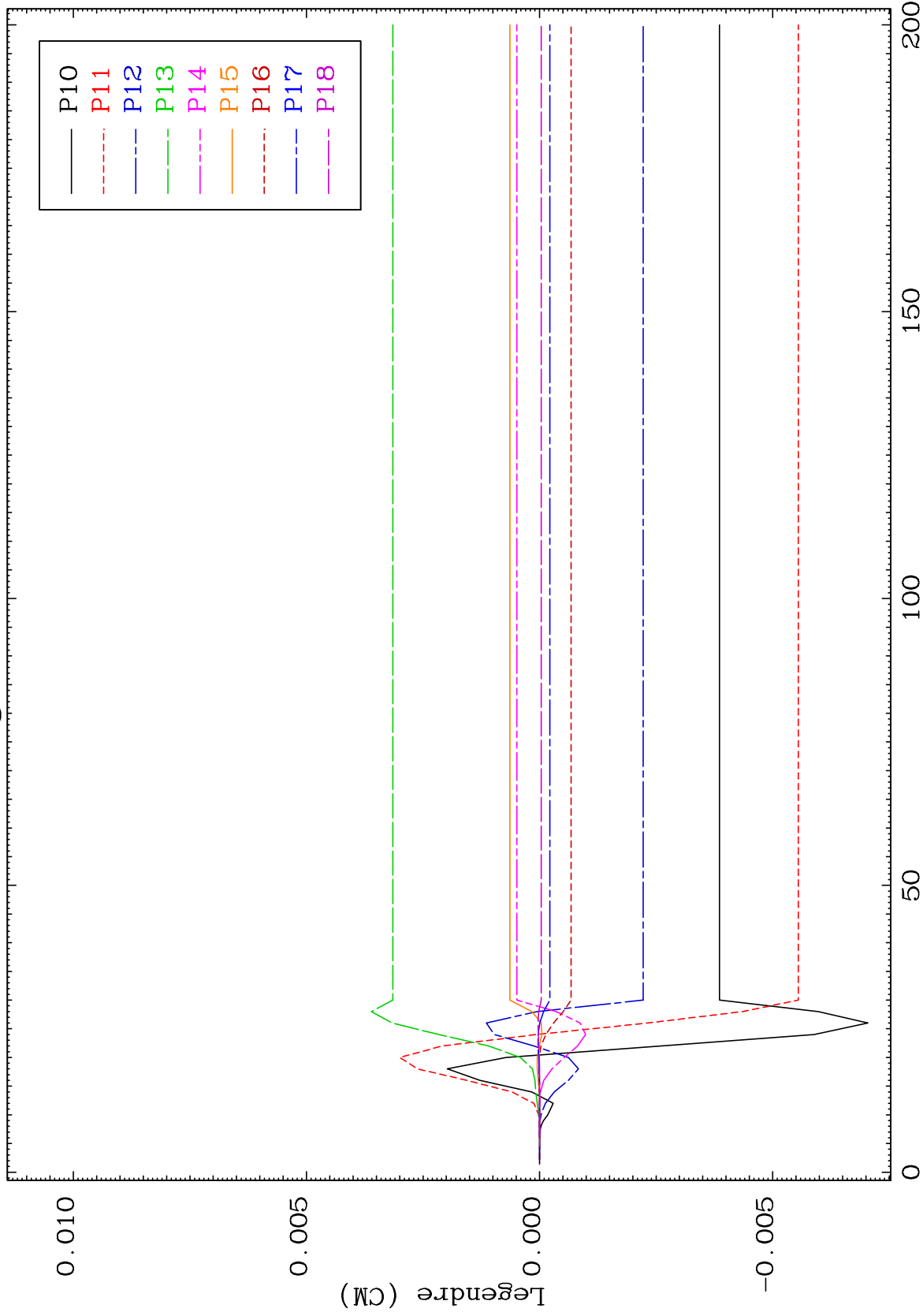
48-Cd-120



MAT 4867

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

48-Cd-120



32

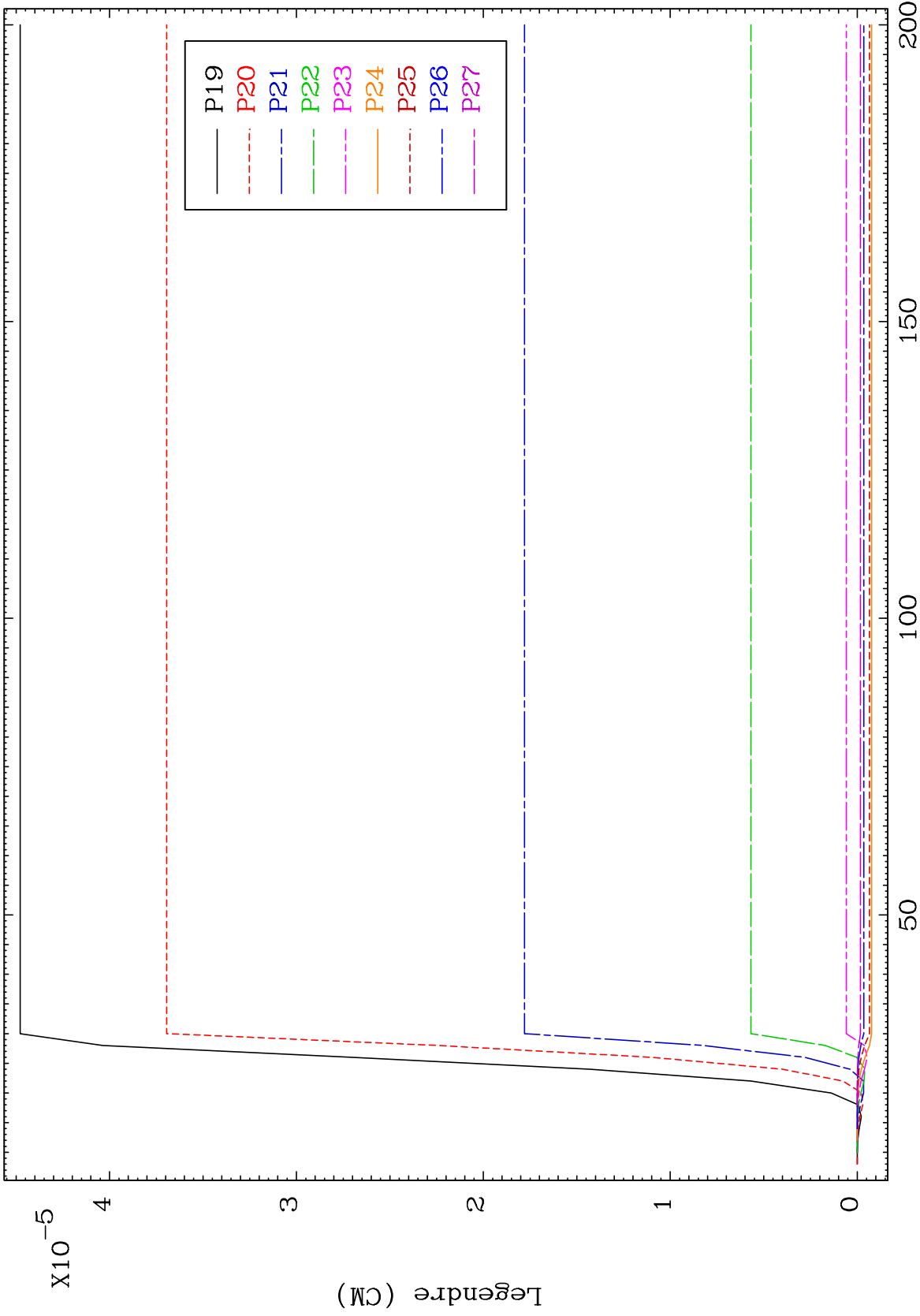
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

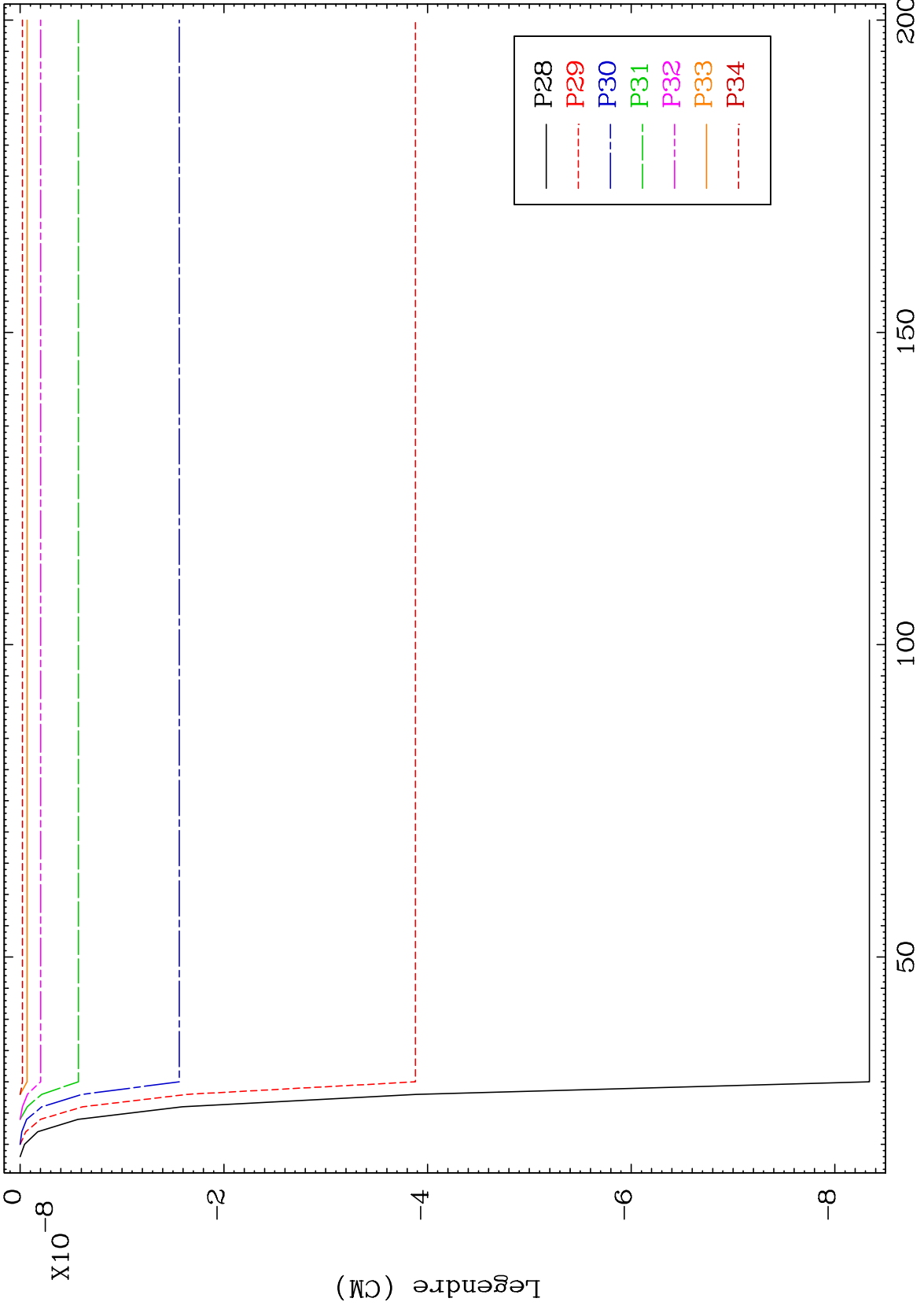
48-Cd-120



33

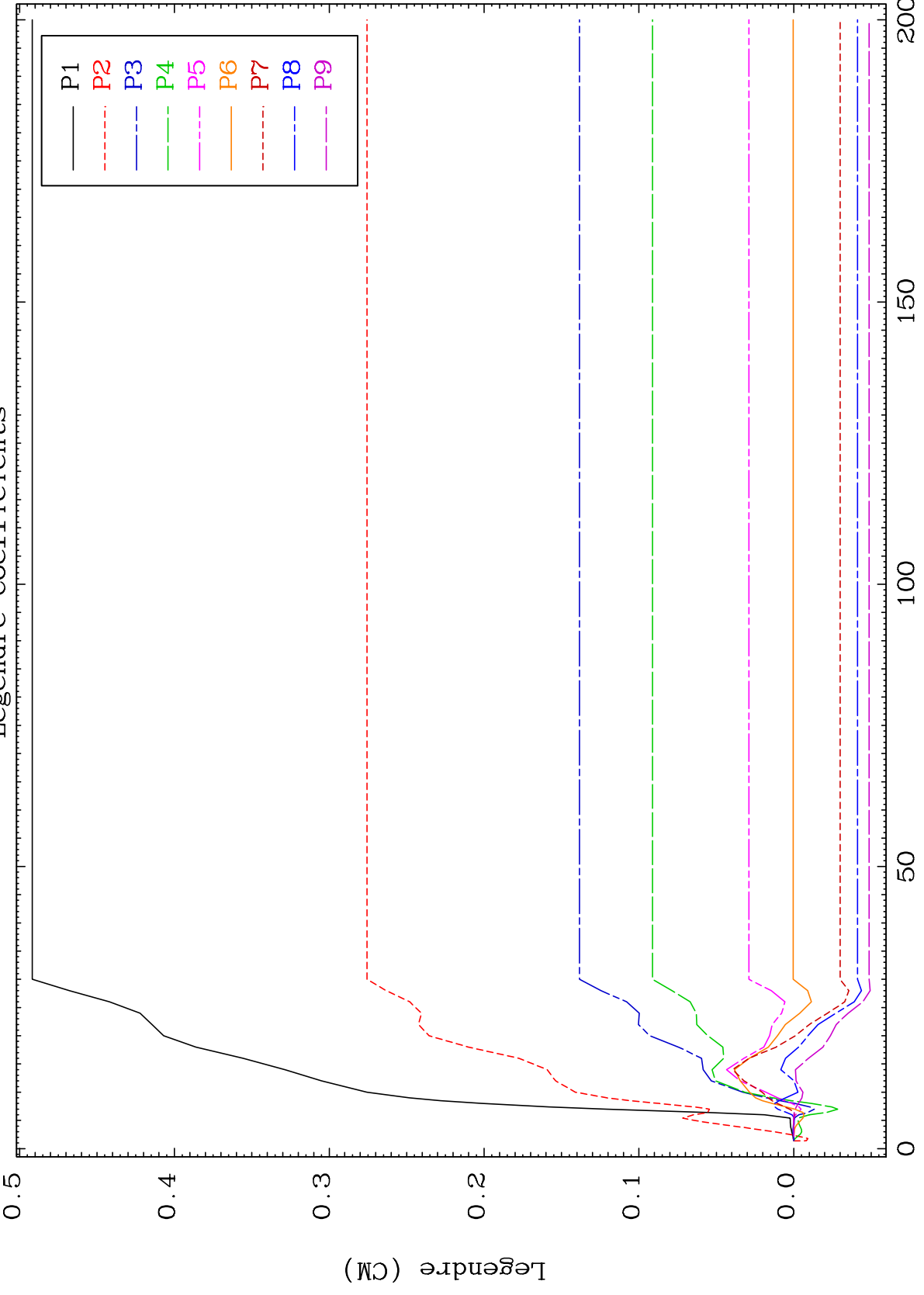
48-Cd-120

MAT 4867 MT= 54 (n,n') Level Legendre Coefficients 48-Cd-120



34 Incident Energy (MeV) 48-Cd-120

MAT 4867 MT= 55 (n,n') Level Legendre Coefficients 48-Cd-120

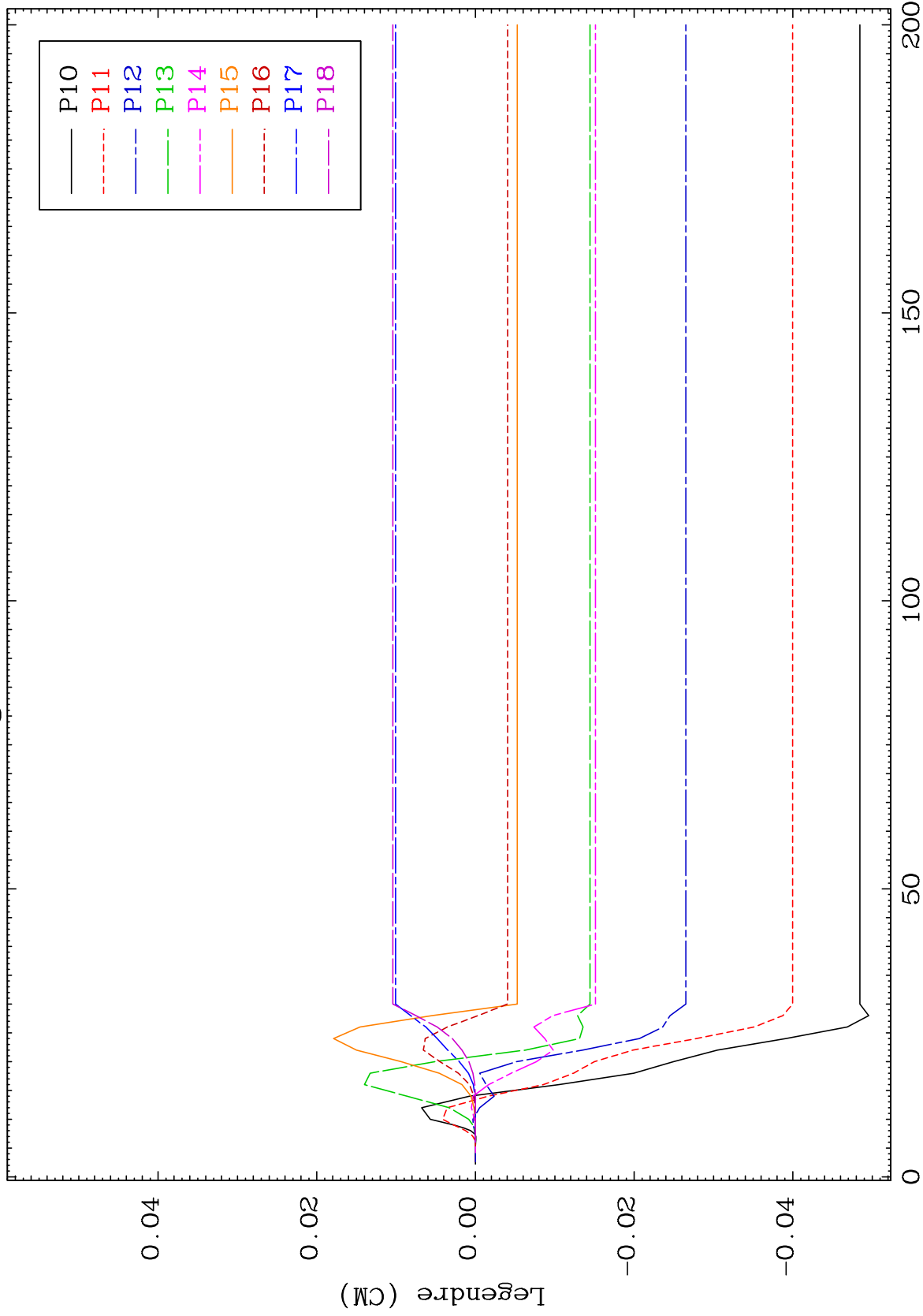


35 Incident Energy (MeV) 48-Cd-120

MAT 4867

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

48-Cd-120



36

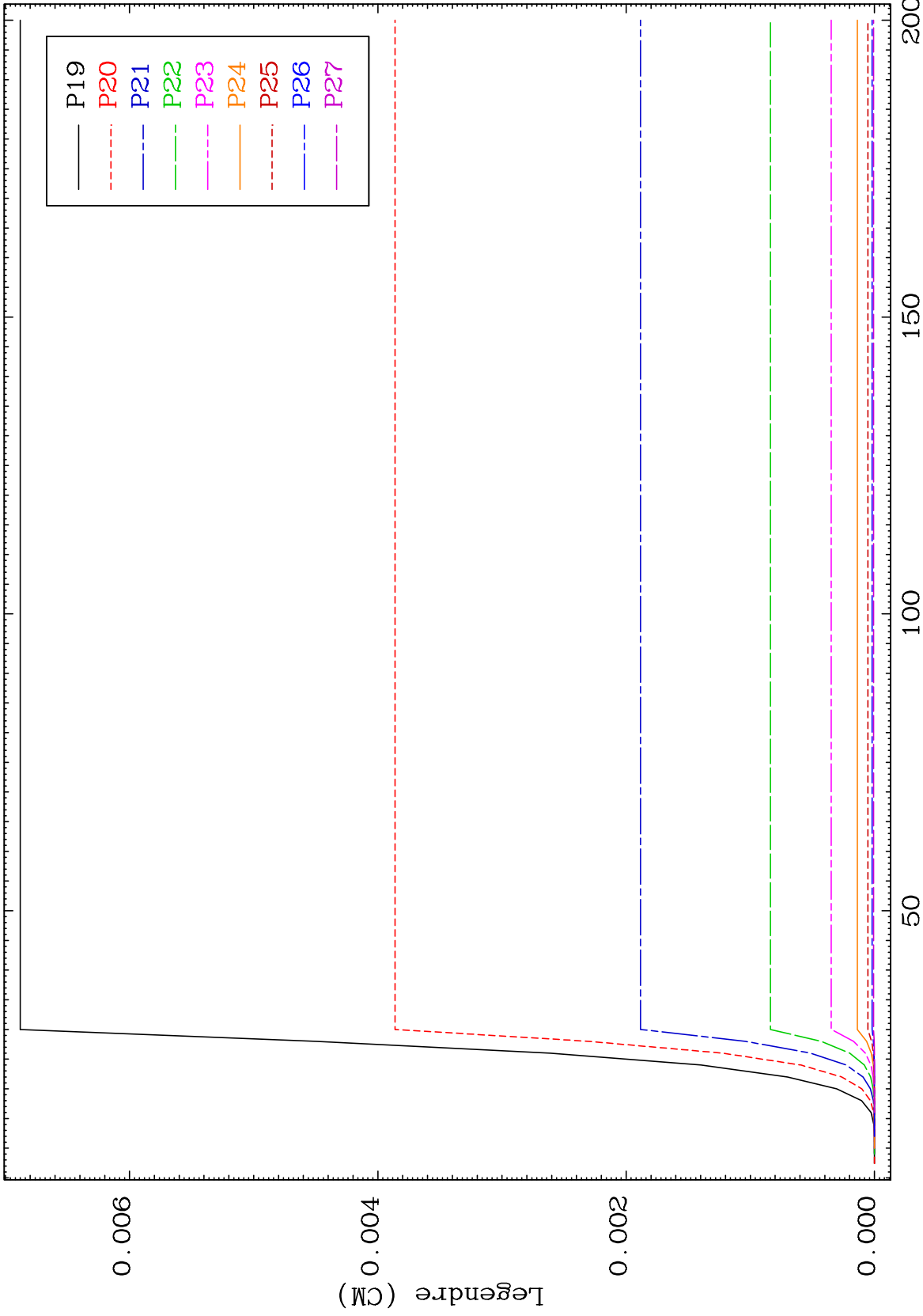
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



37

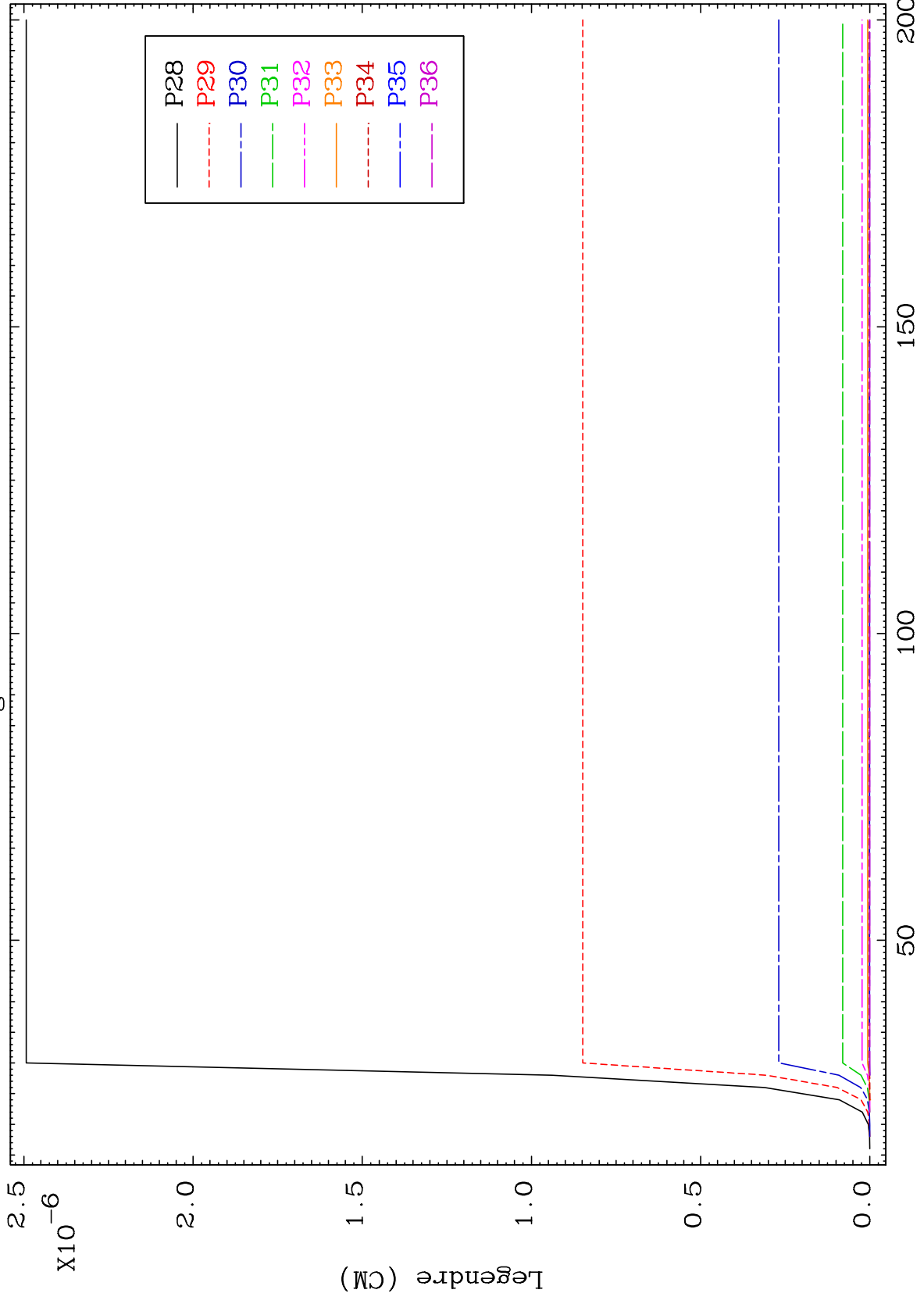
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



38

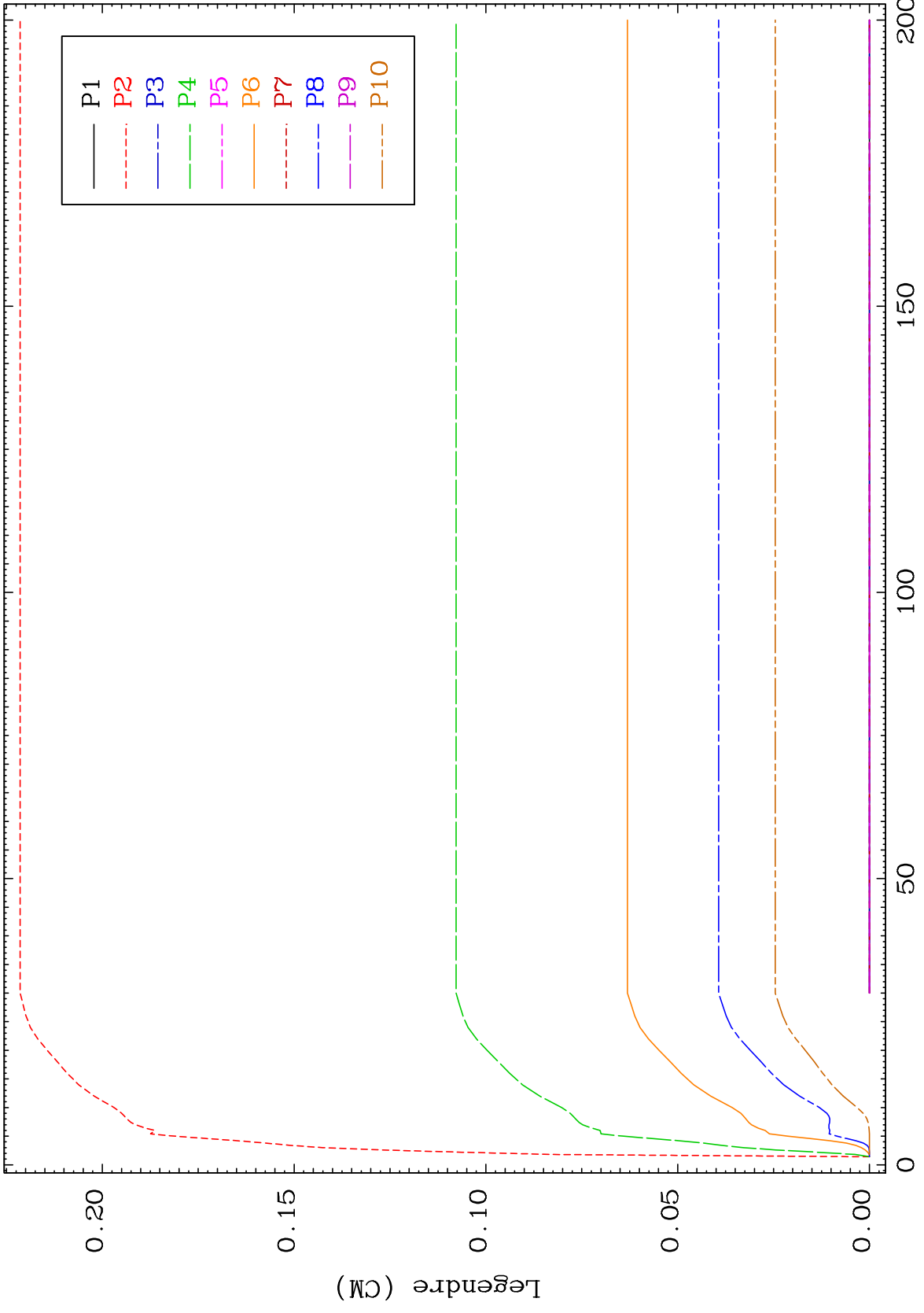
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



39

Incident Energy (MeV)

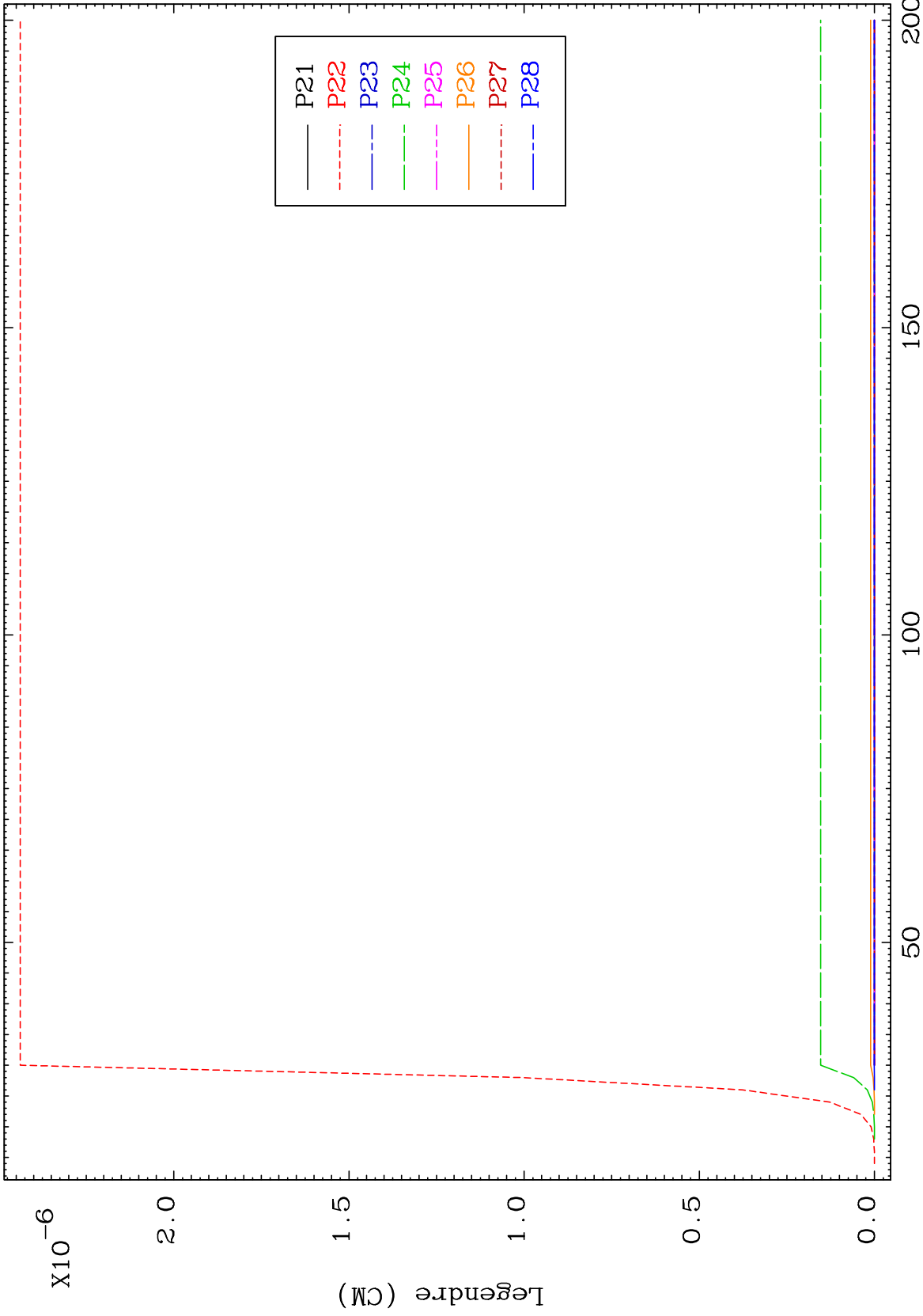
48-Cd-120



MAT 4867

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

48-Cd-120



41

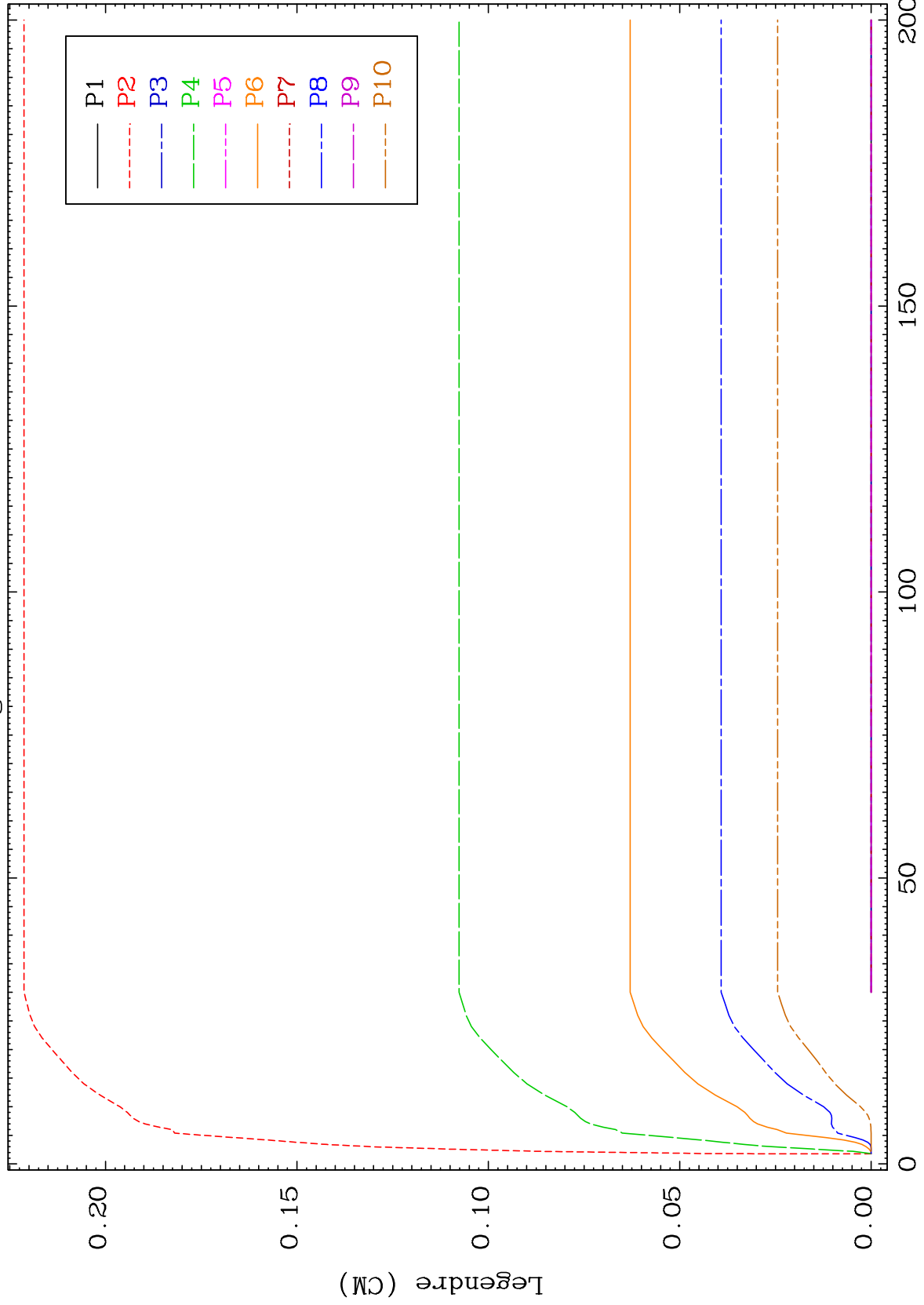
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



42

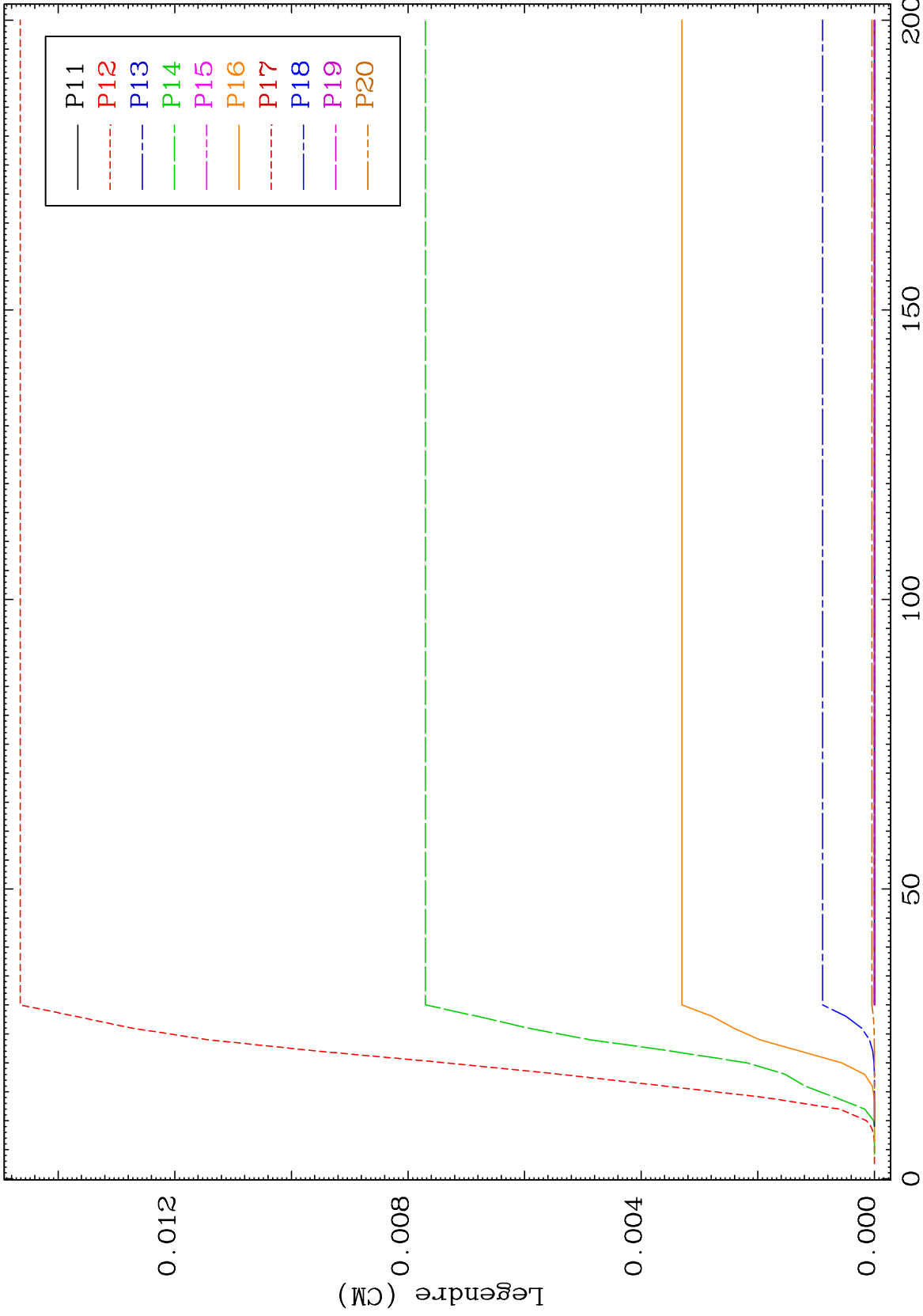
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120

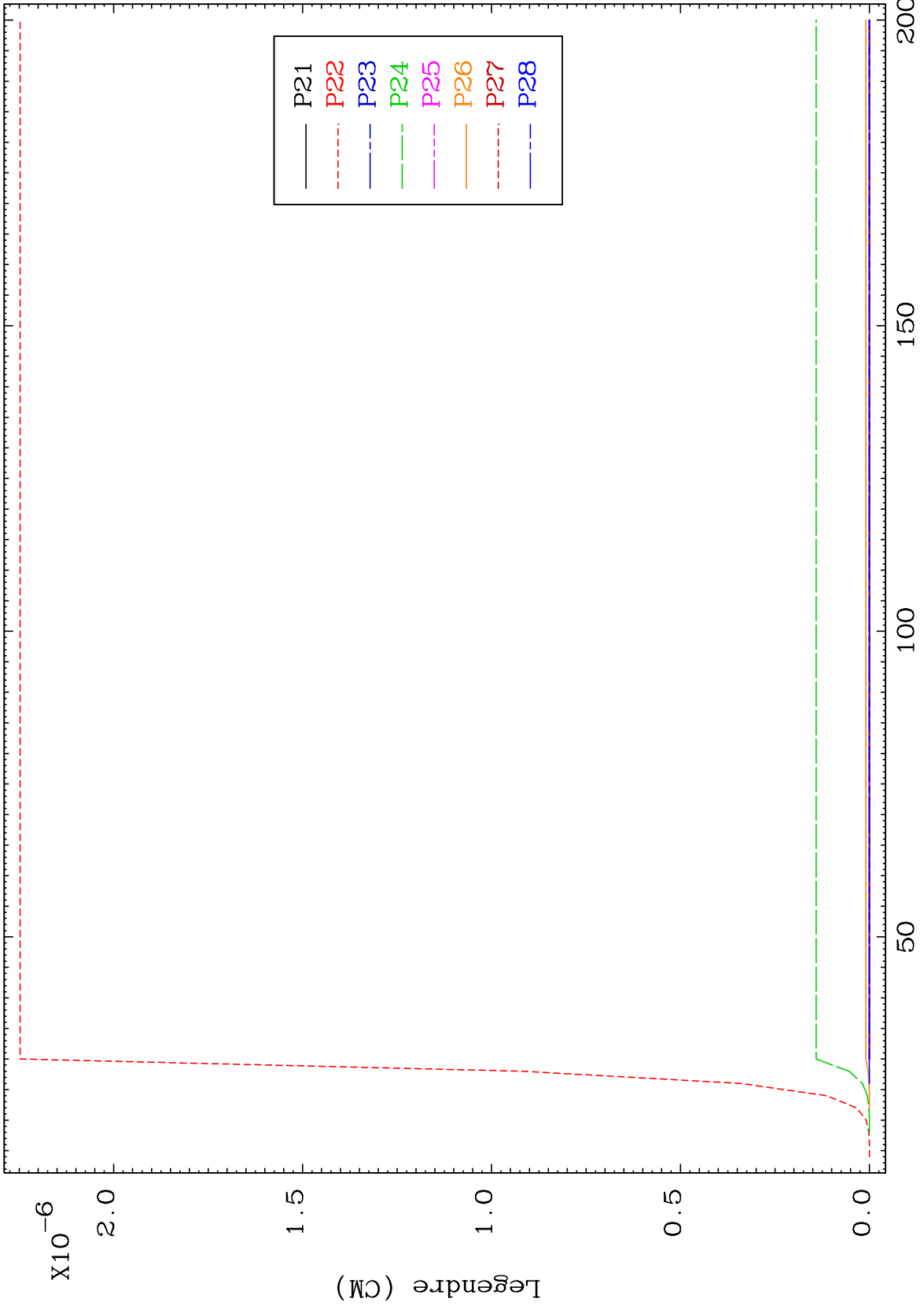


43

Incident Energy (MeV)

48-Cd-120

MAT 4867 MT= 57 (n,n') Level Legendre Coefficients 48-Cd-120

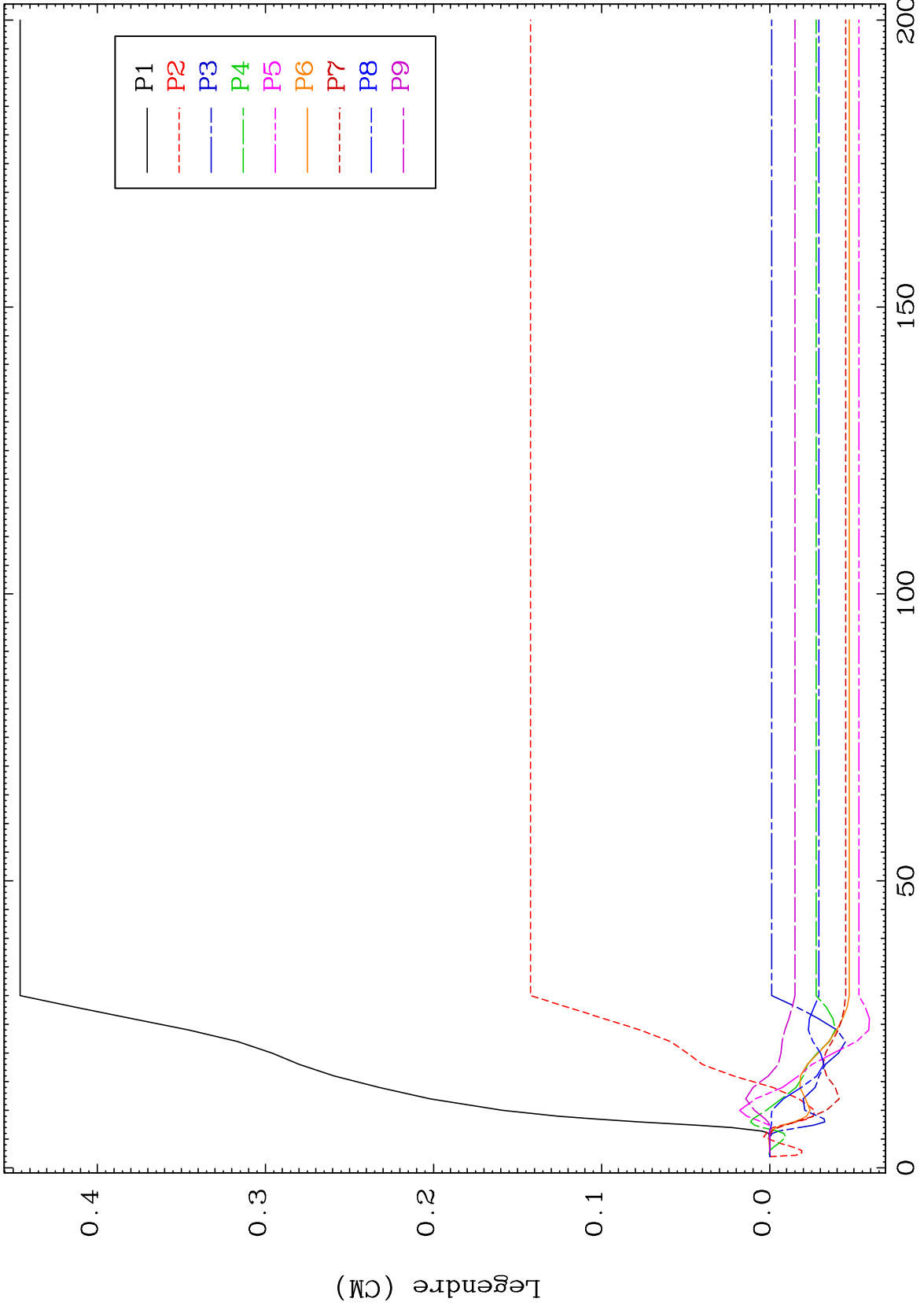


44 Incident Energy (MeV) 48-Cd-120

MAT 4867

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

48-Cd-120



45

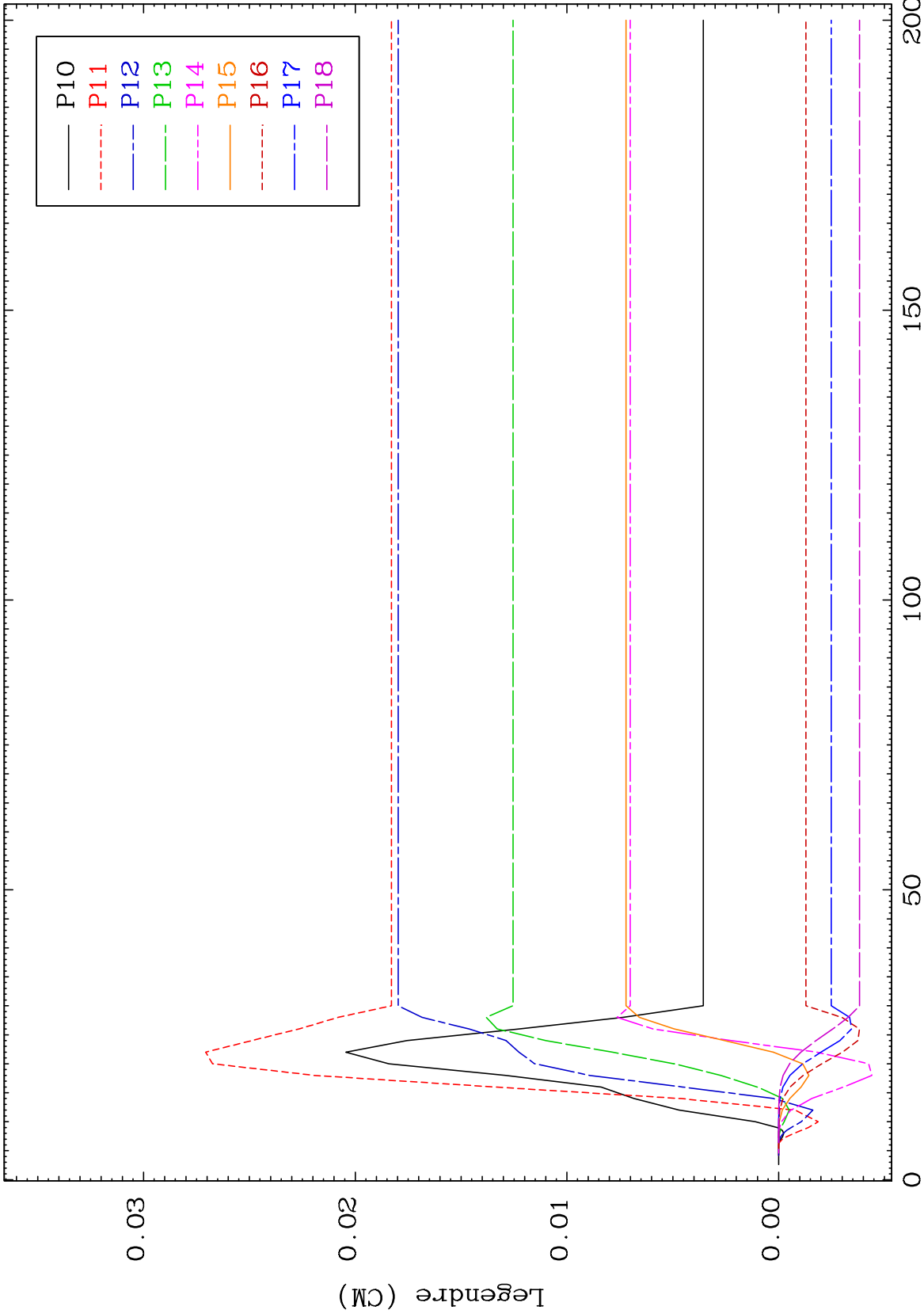
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120

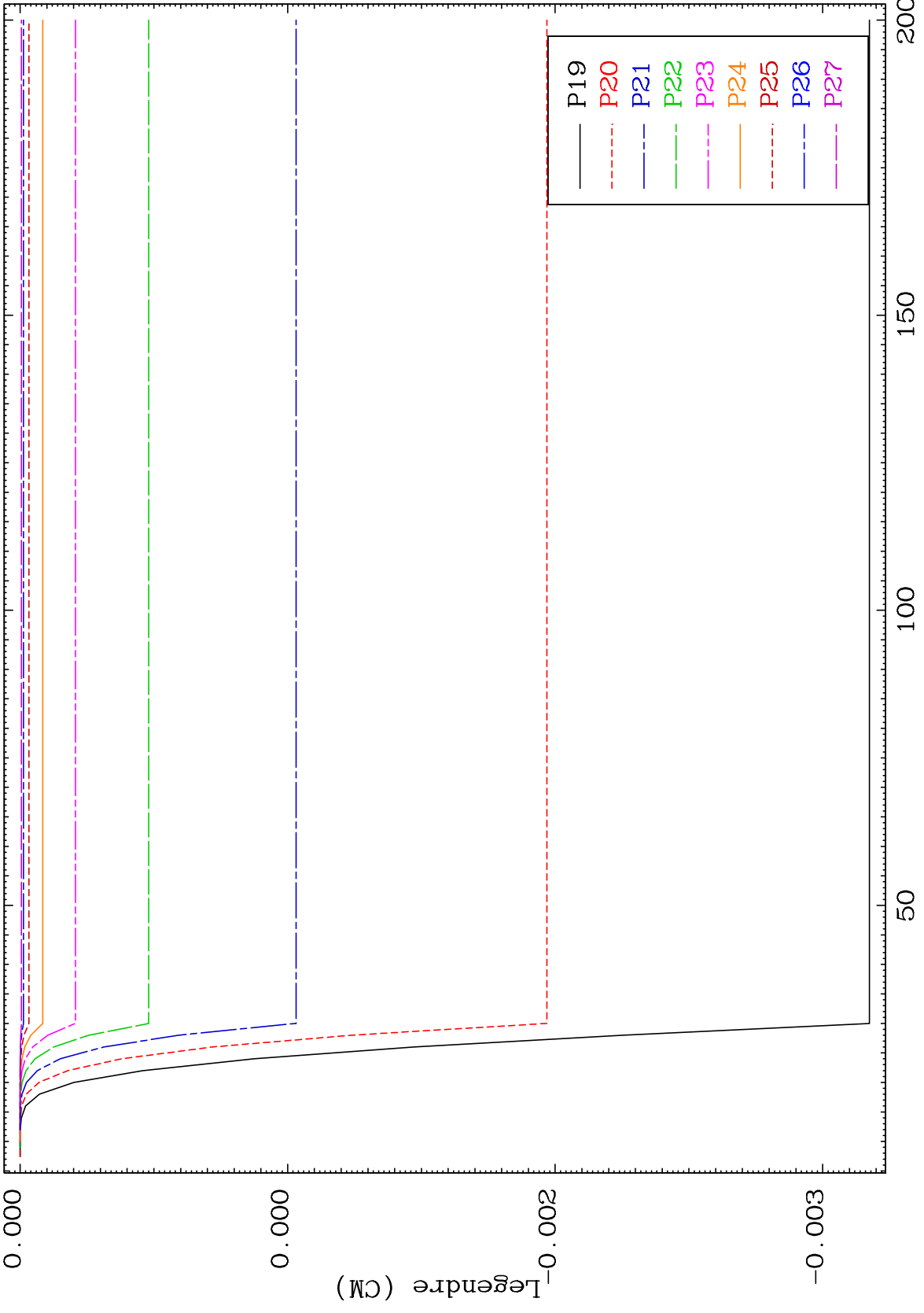


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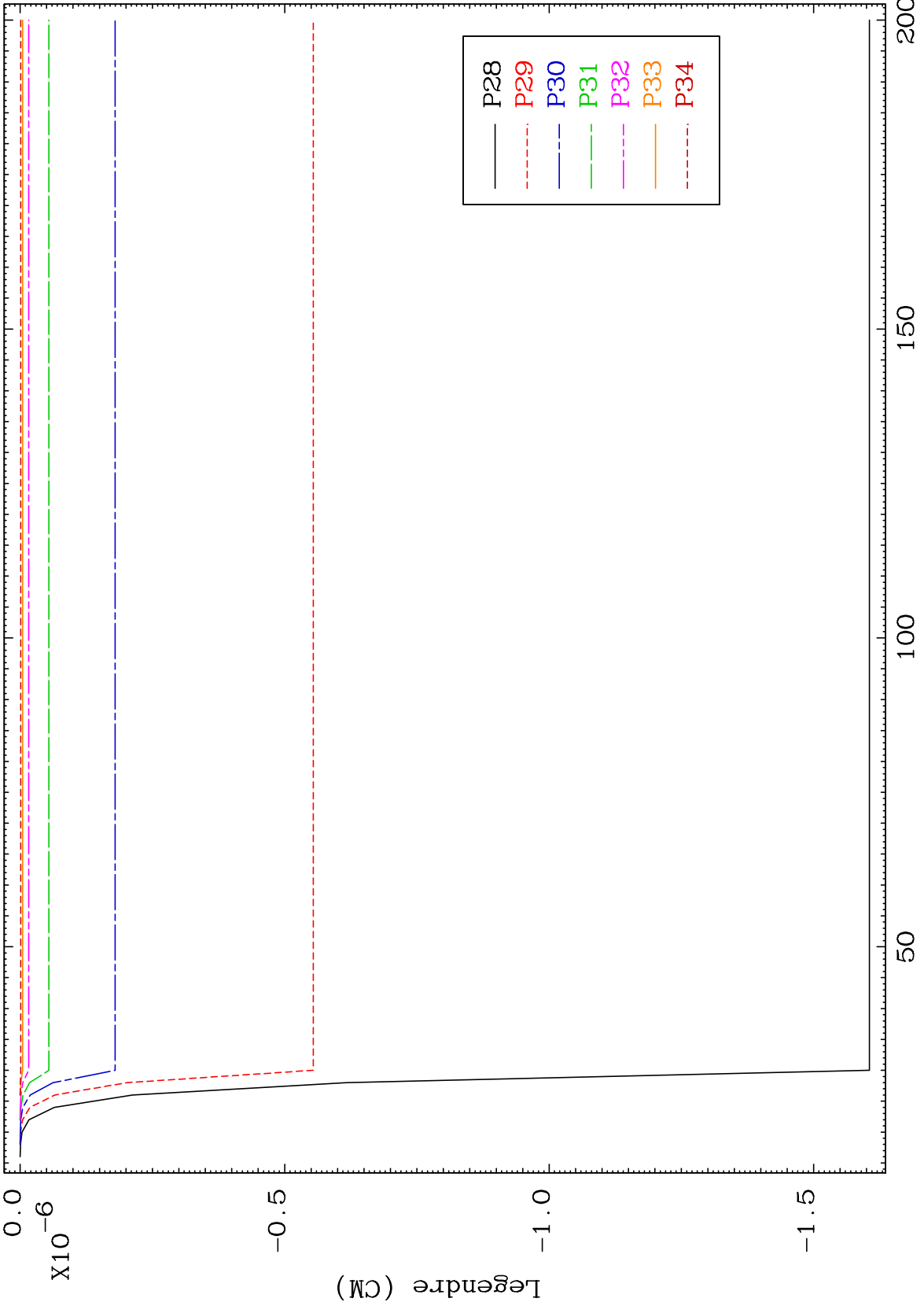
Incident Energy (MeV)

48-Cd-120

MAT 4867 MT= 58 (n,n') Level Legendre Coefficients 48-Cd-120



MAT 4867 MT= 58 (n,n') Level Legendre Coefficients 48-Cd-120

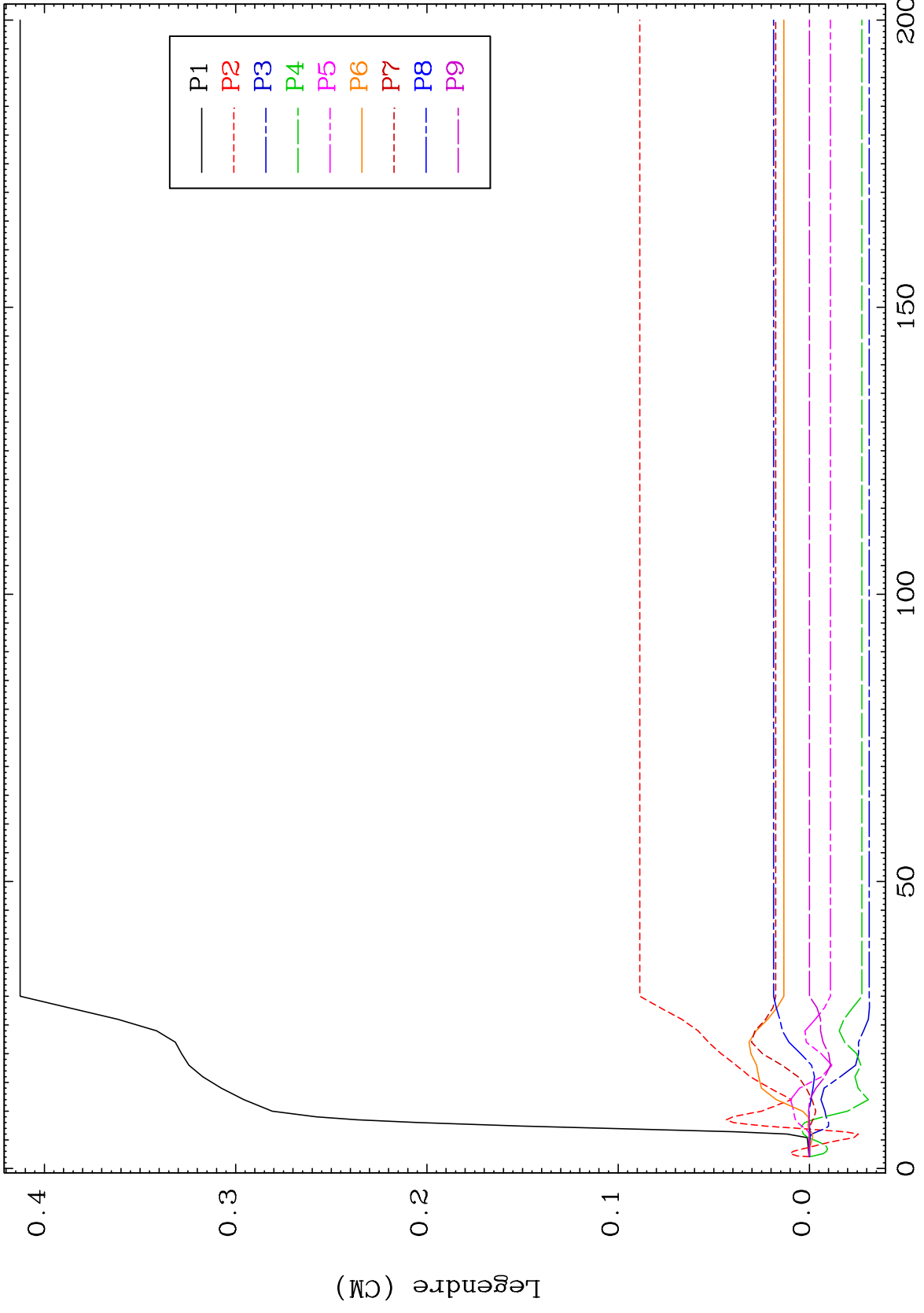


48 50 100 150 200 48-Cd-120

MAT 4867

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

48-Cd-120



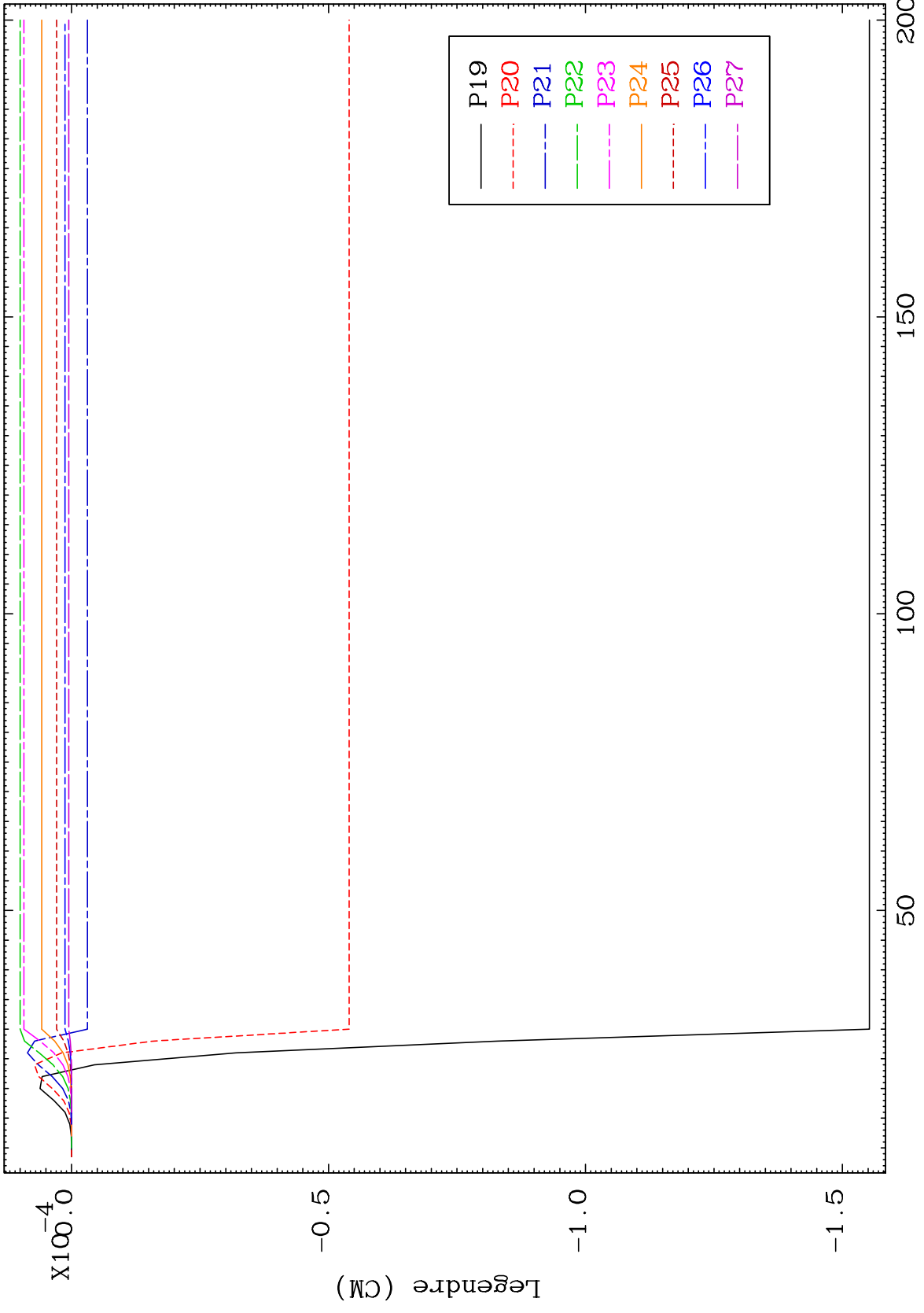
49

Incident Energy (MeV)

48-Cd-120



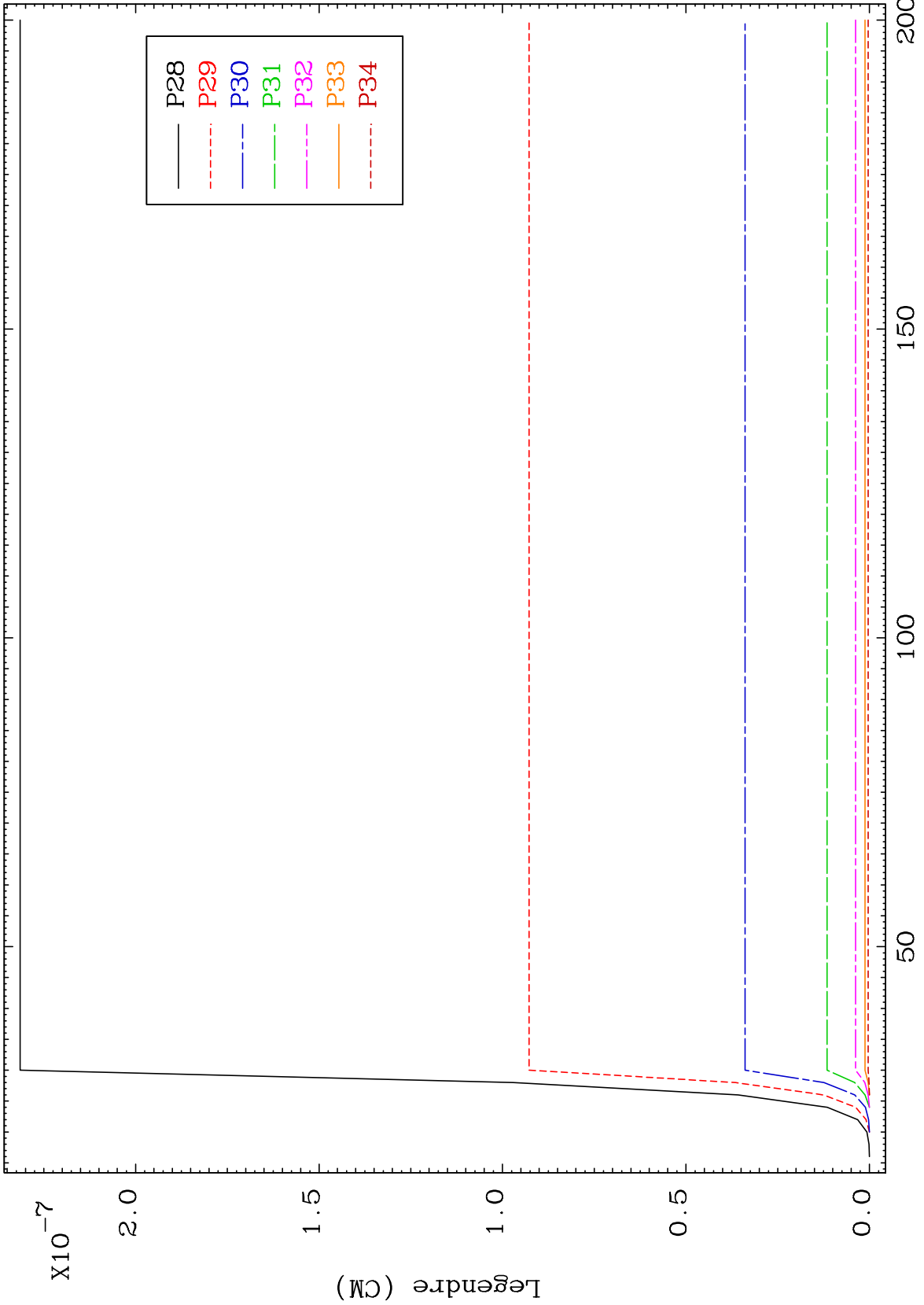
MAT 4867 MT= 59 (n,n') Level Legendre Coefficients 48-Cd-120



MAT 4867

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

48-Cd-120



52

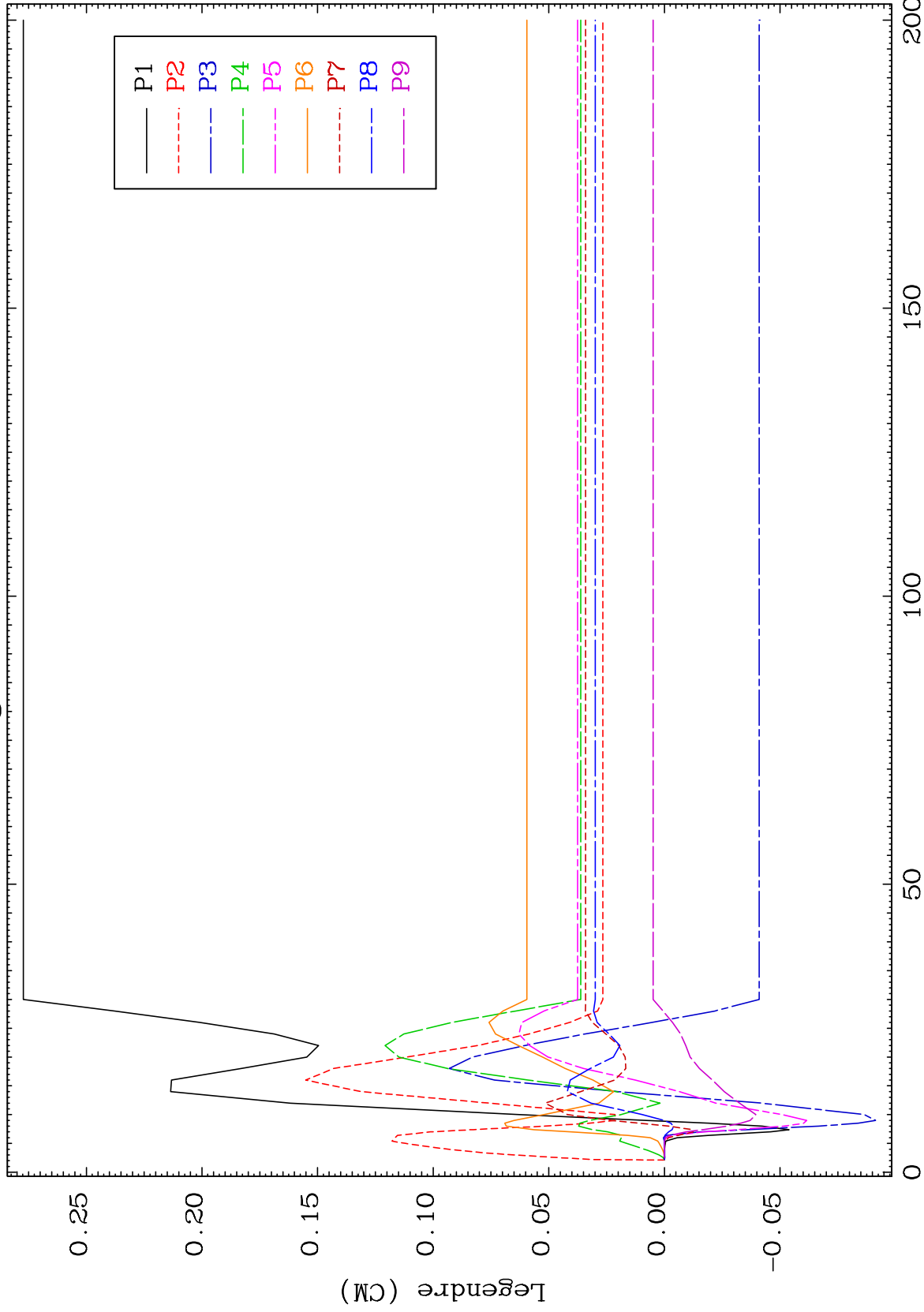
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



53

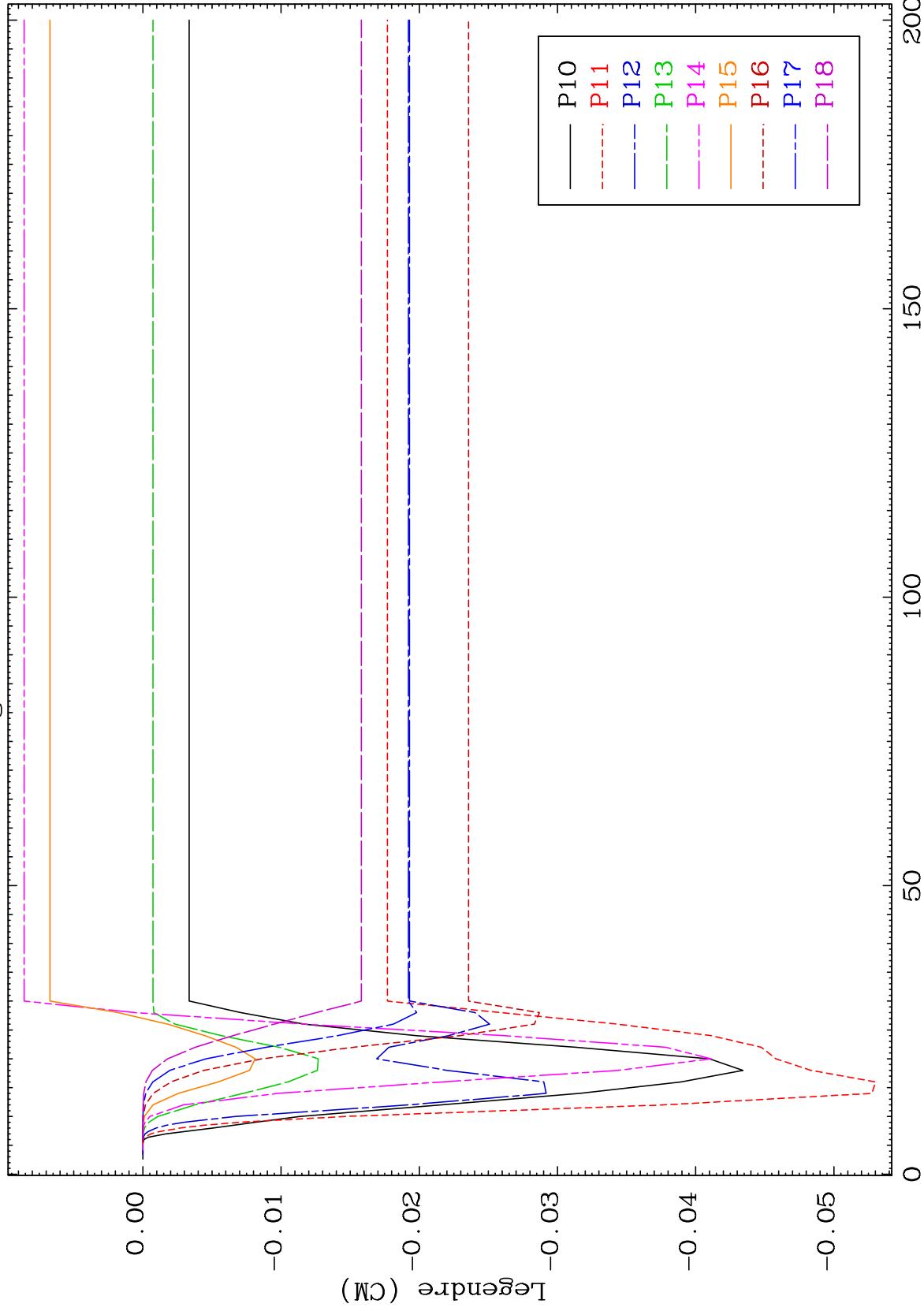
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120

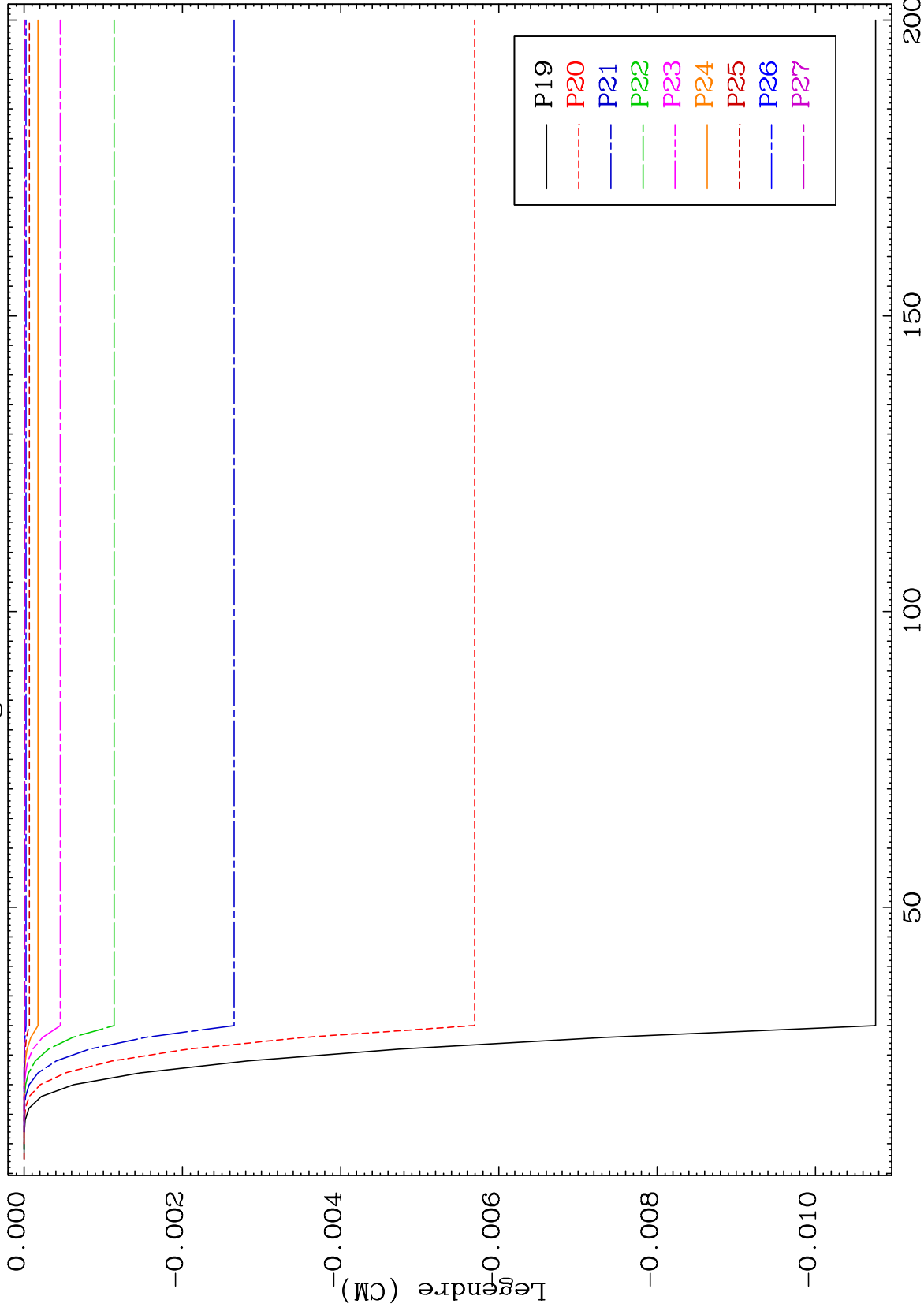


54

Incident Energy (MeV)

48-Cd-120

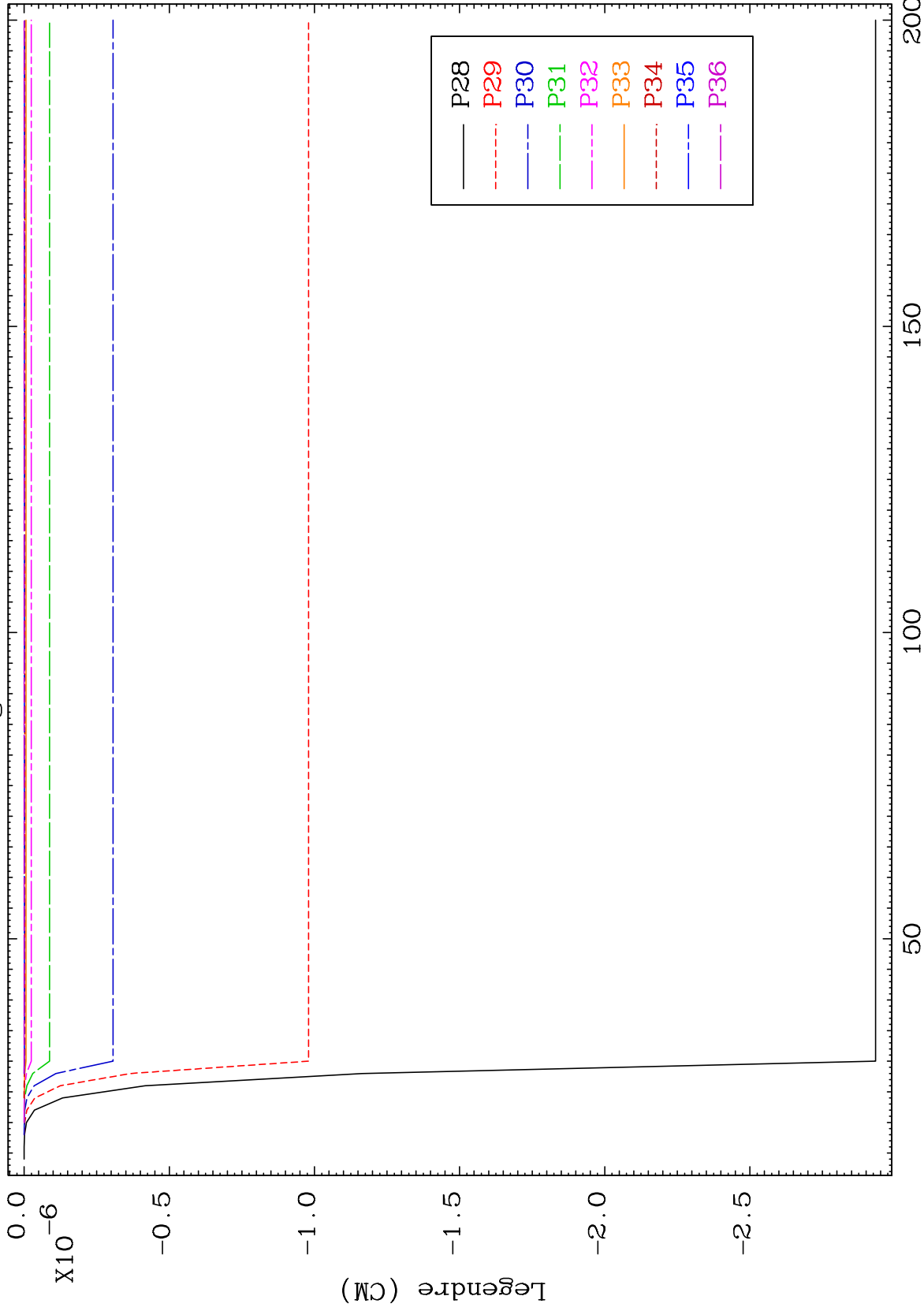
MAT 4867 MT= 60 (n,n') Level Legendre Coefficients 48-Cd-120



MAT 4867

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

48-Cd-120



48-Cd-120

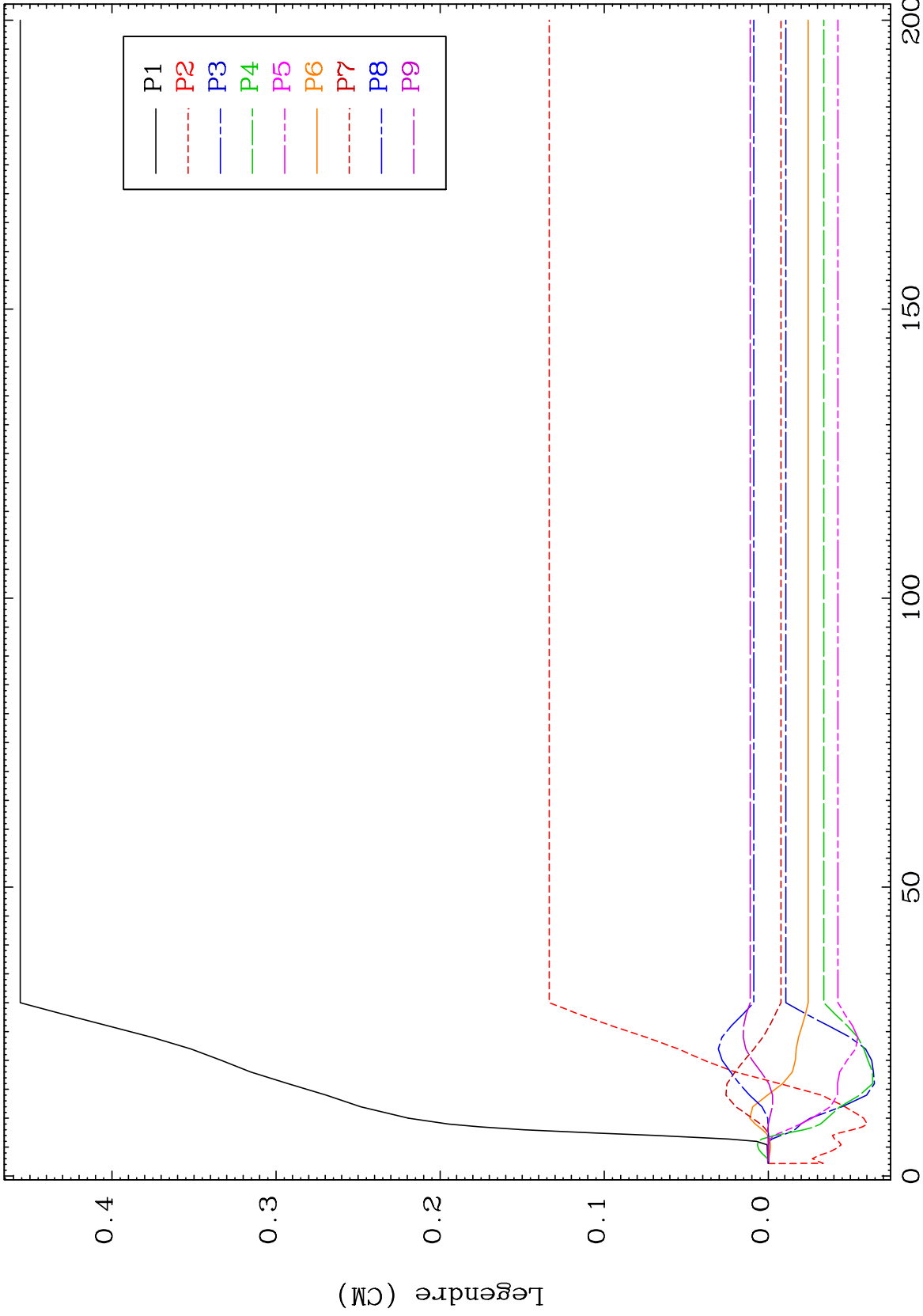
Incident Energy (MeV)

56

MAT 4867

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

48-Cd-120



57

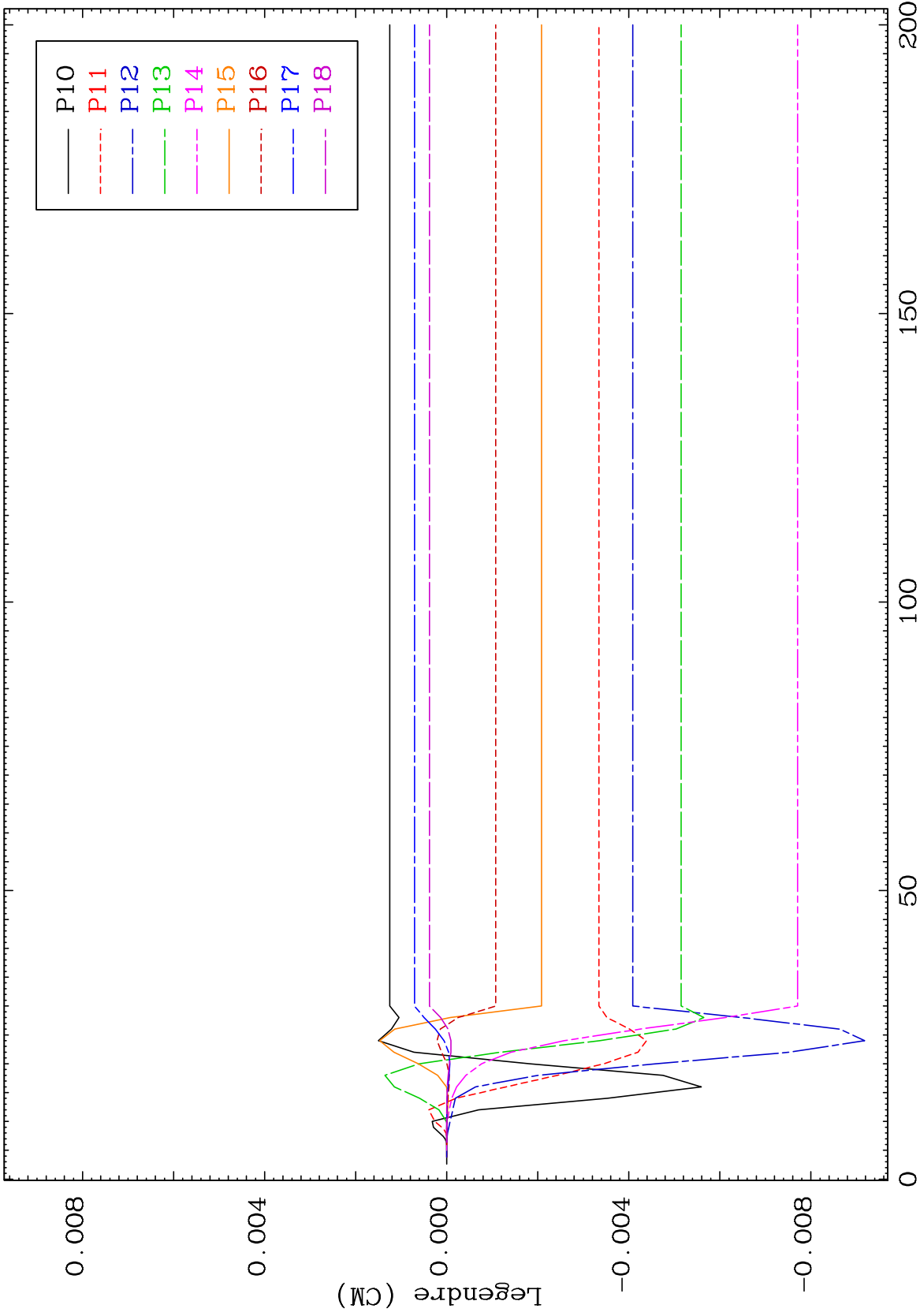
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



58

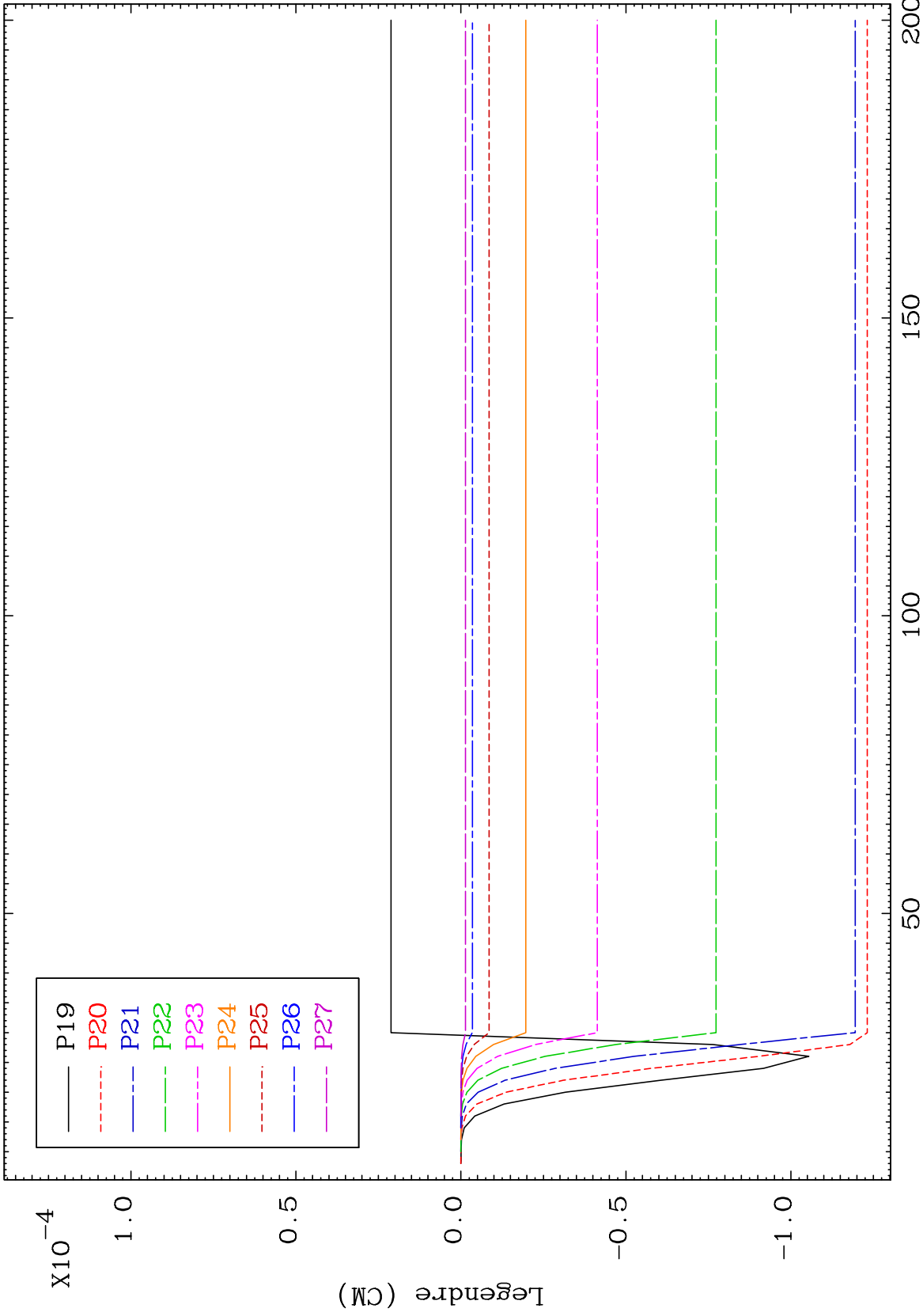
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



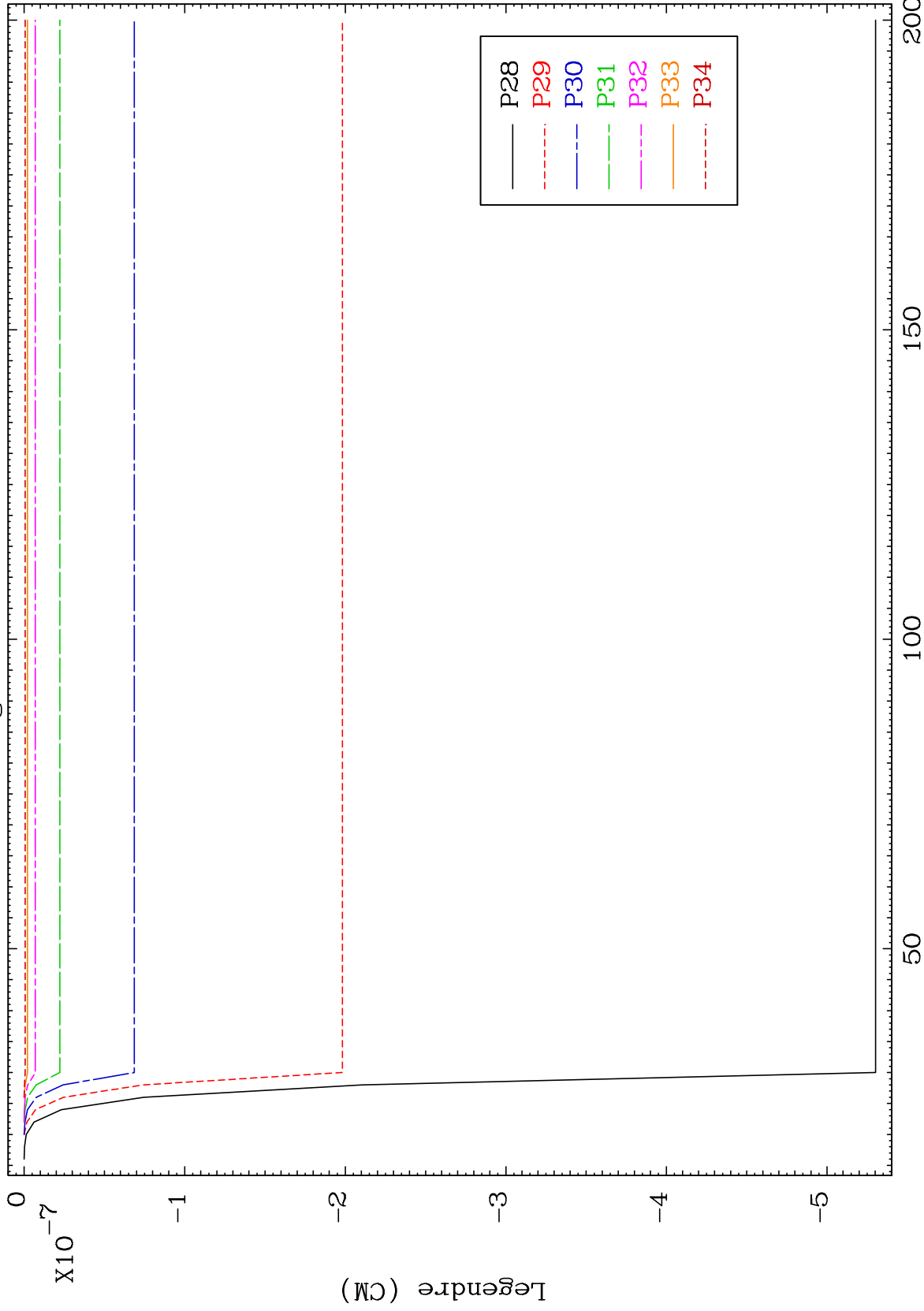
59

48-Cd-120

MAT 4867

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

48-Cd-120



48-Cd-120

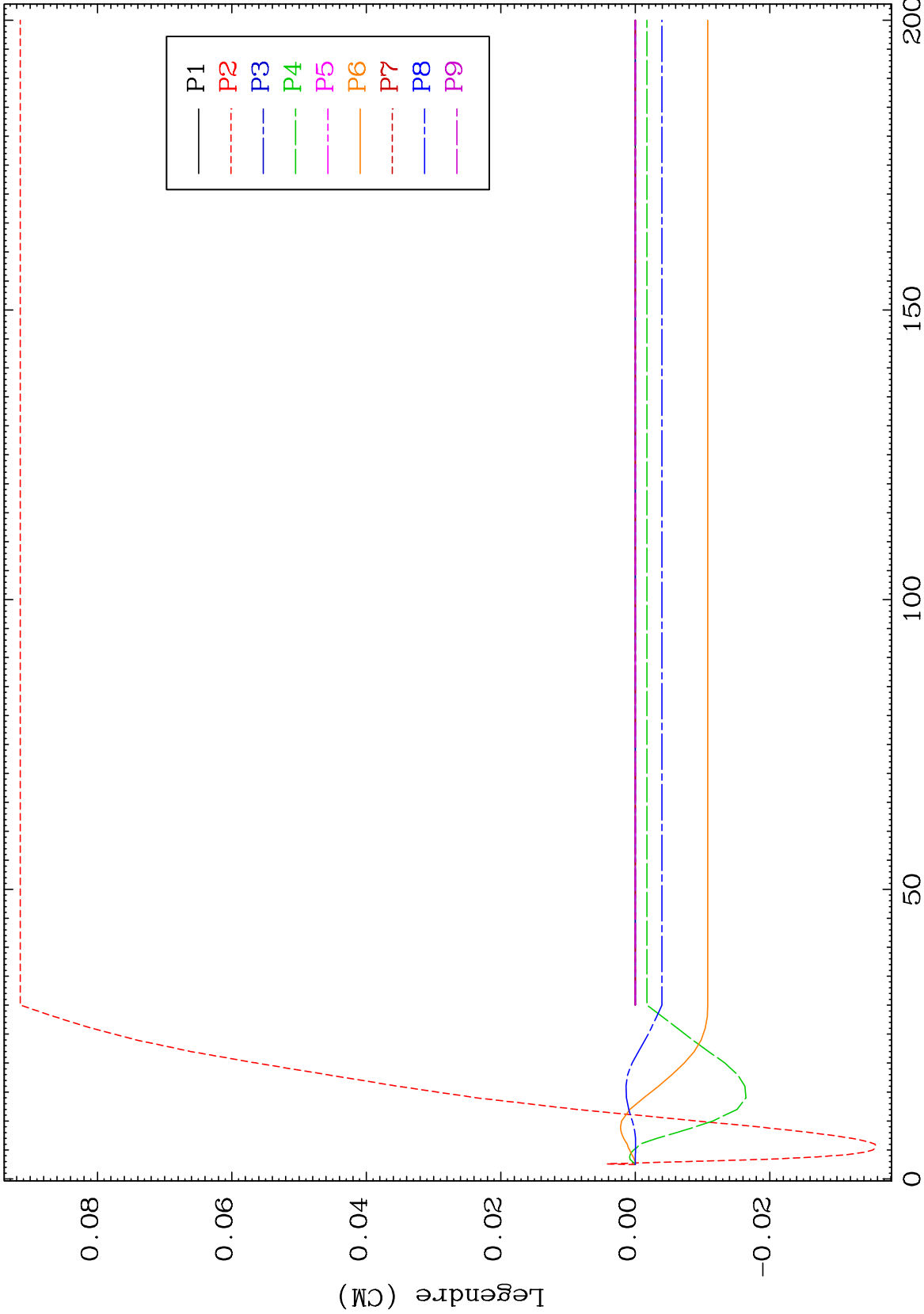
Incident Energy (MeV)

60

MAT 4867

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

48-Cd-120



61

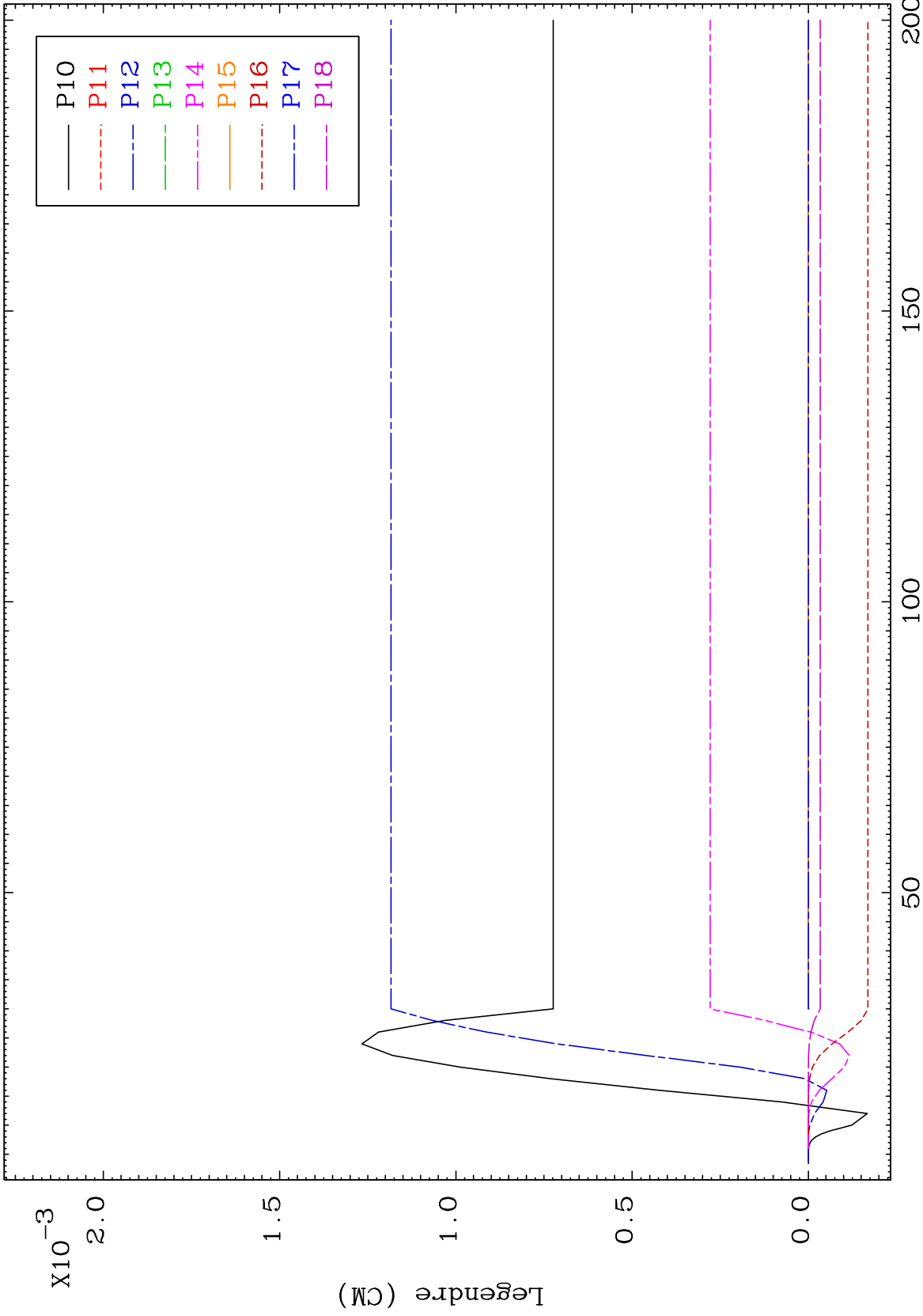
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



62

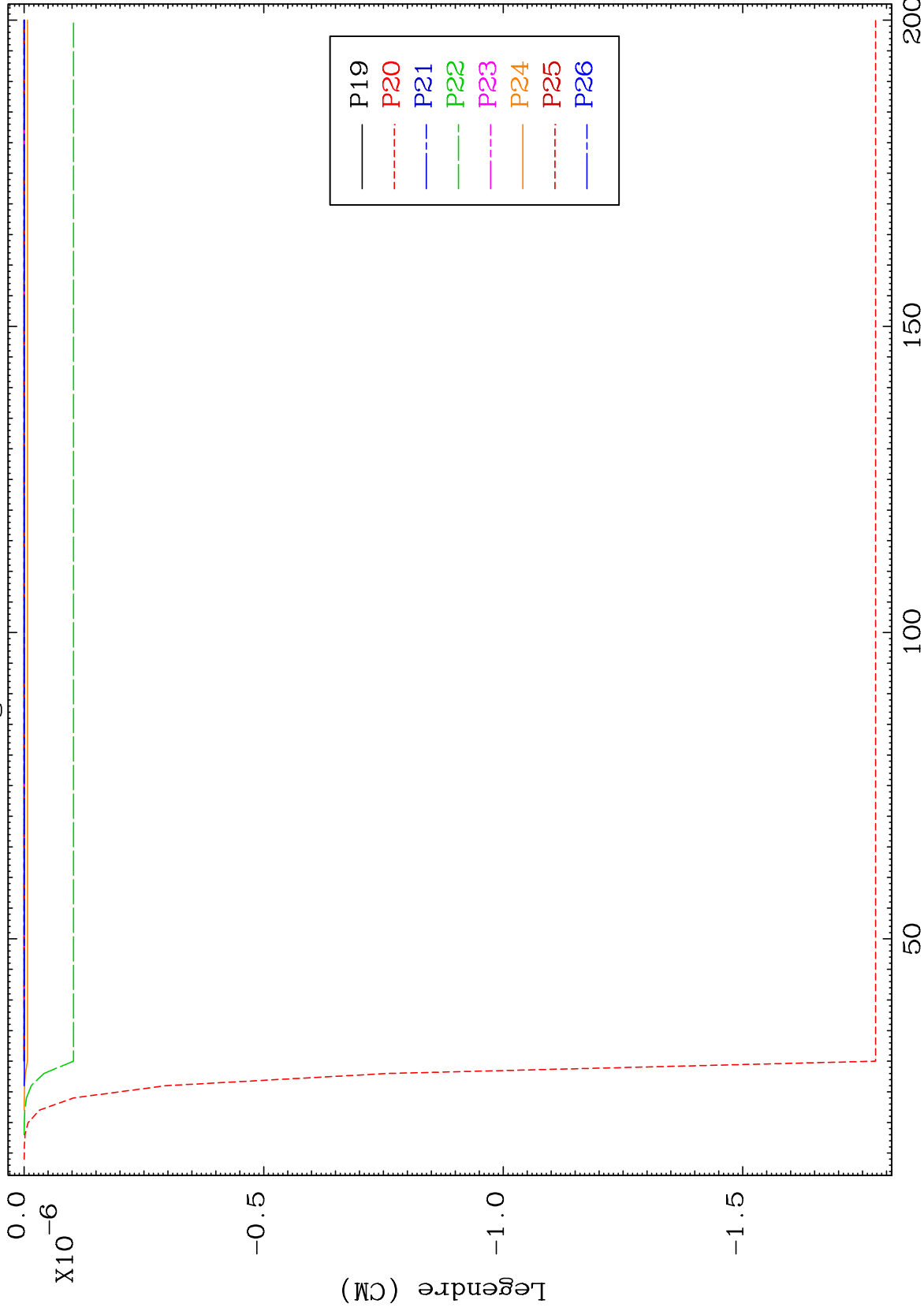
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



63

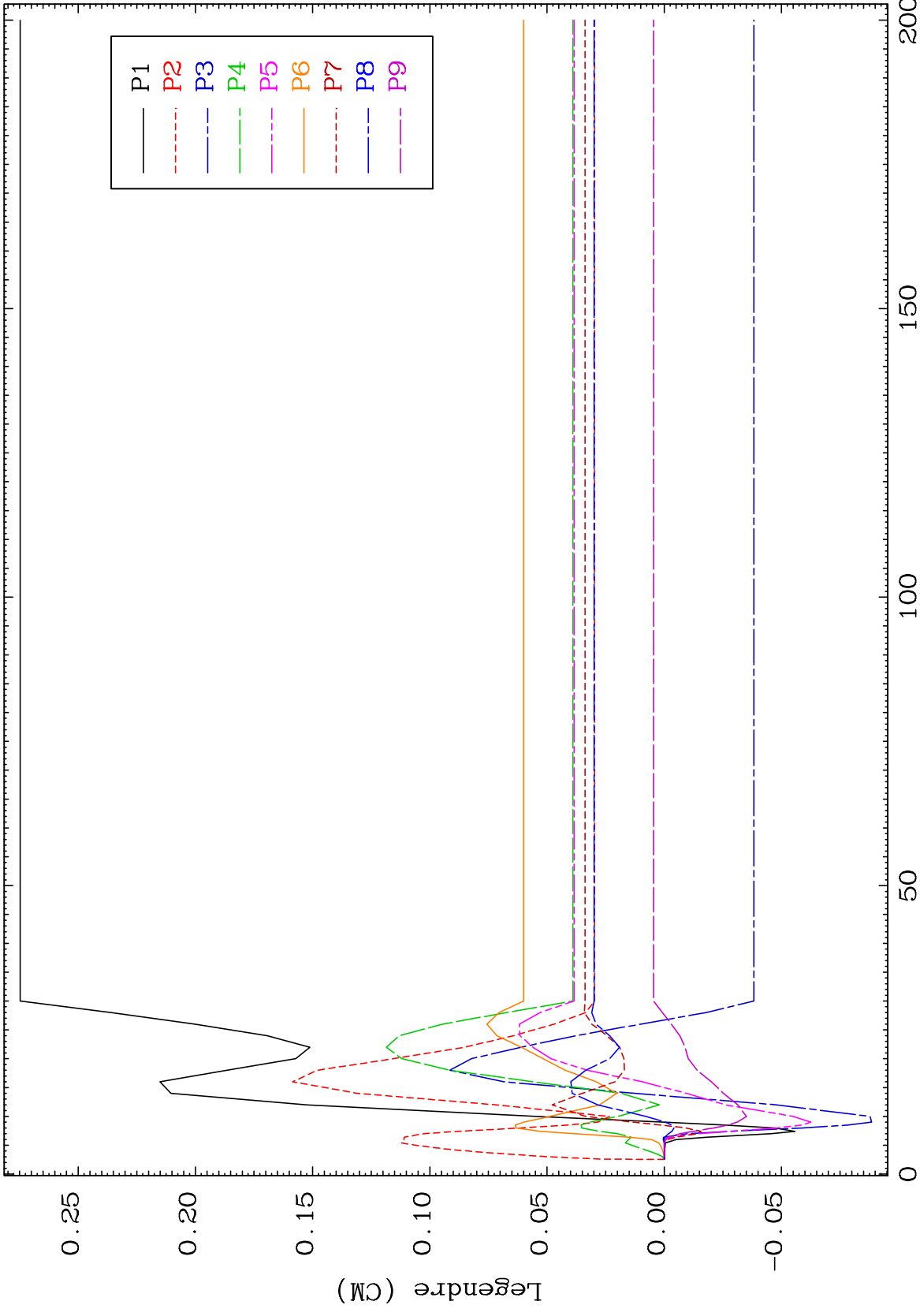
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



64

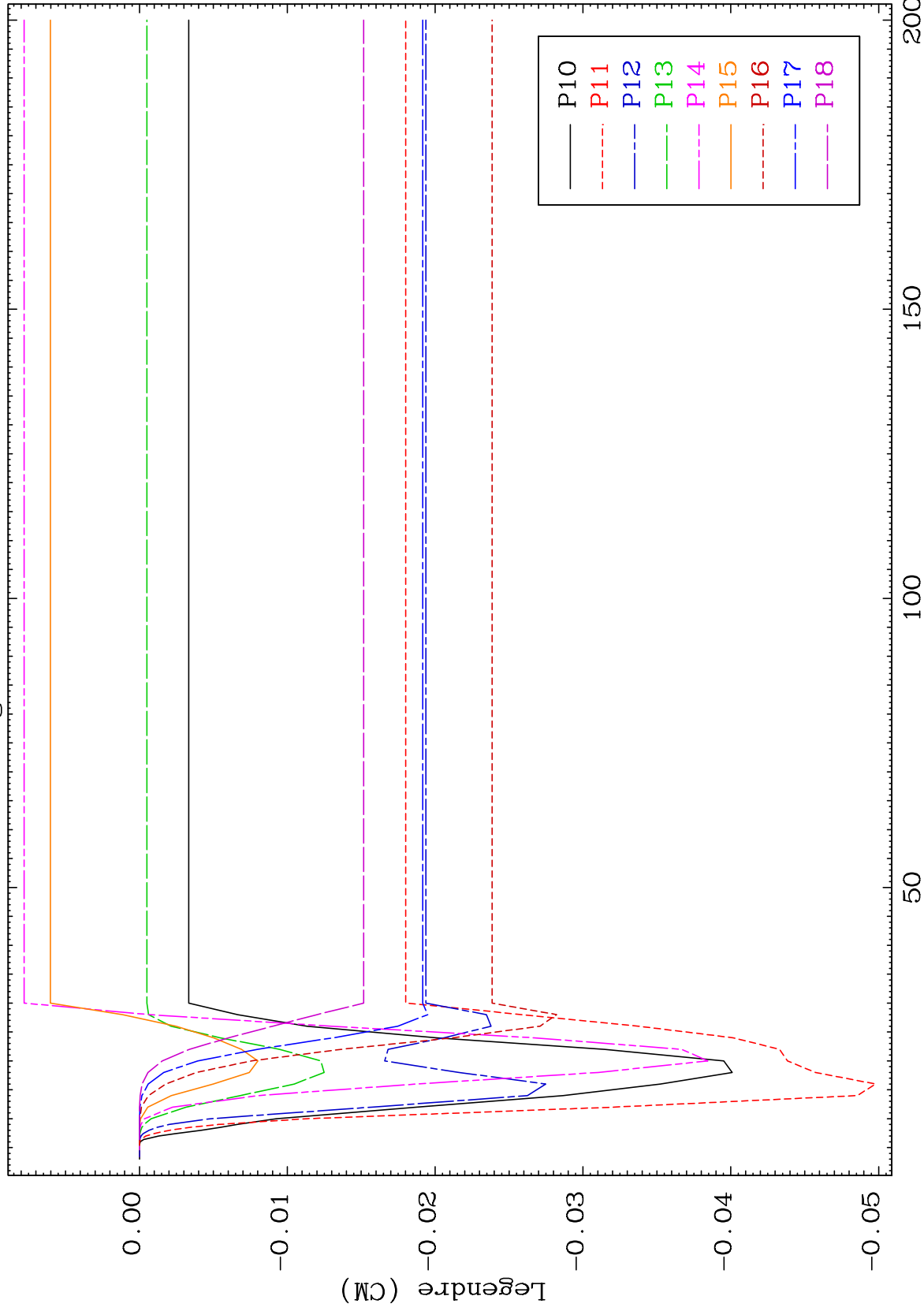
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

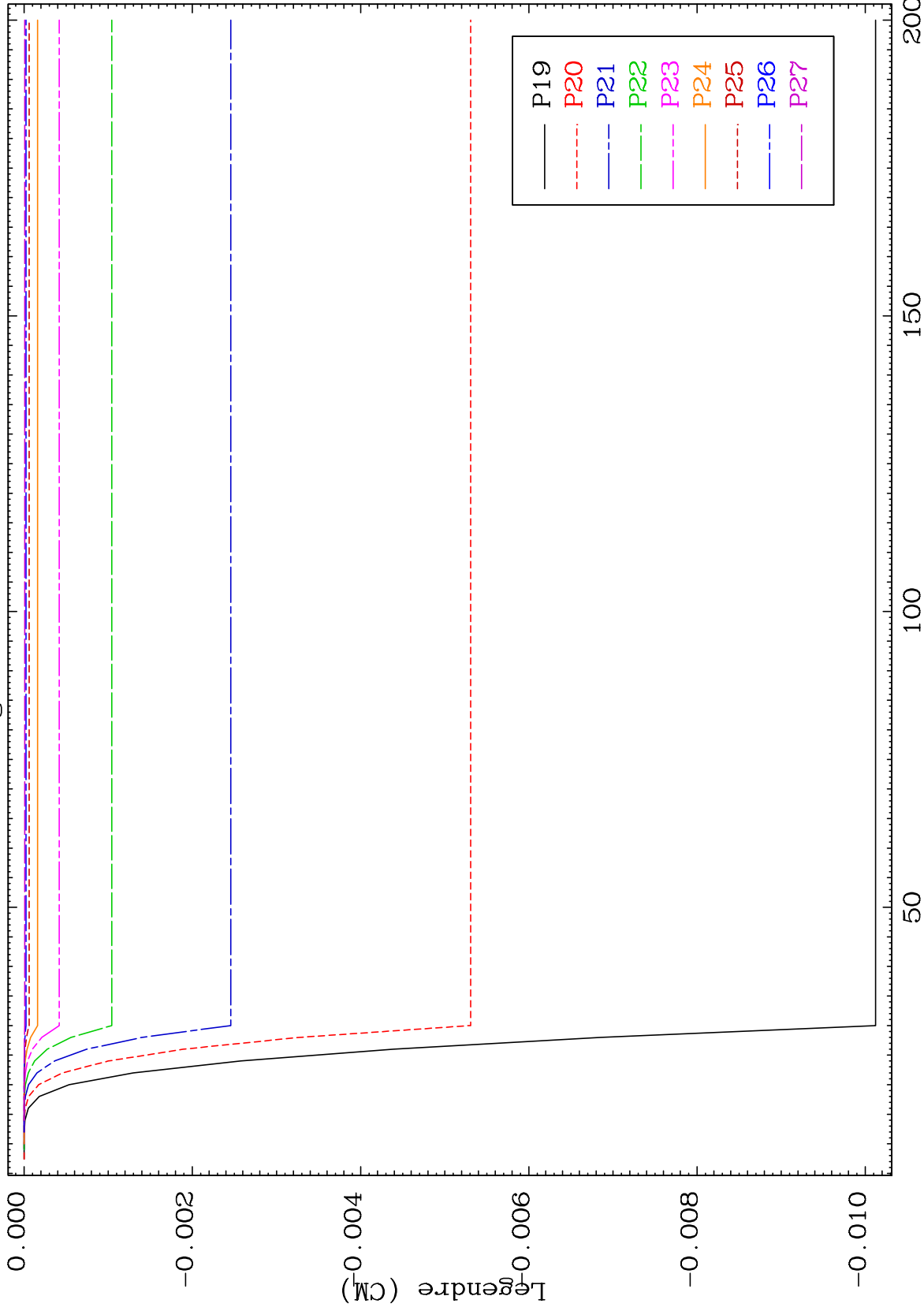
48-Cd-120



65

Incident Energy (MeV)

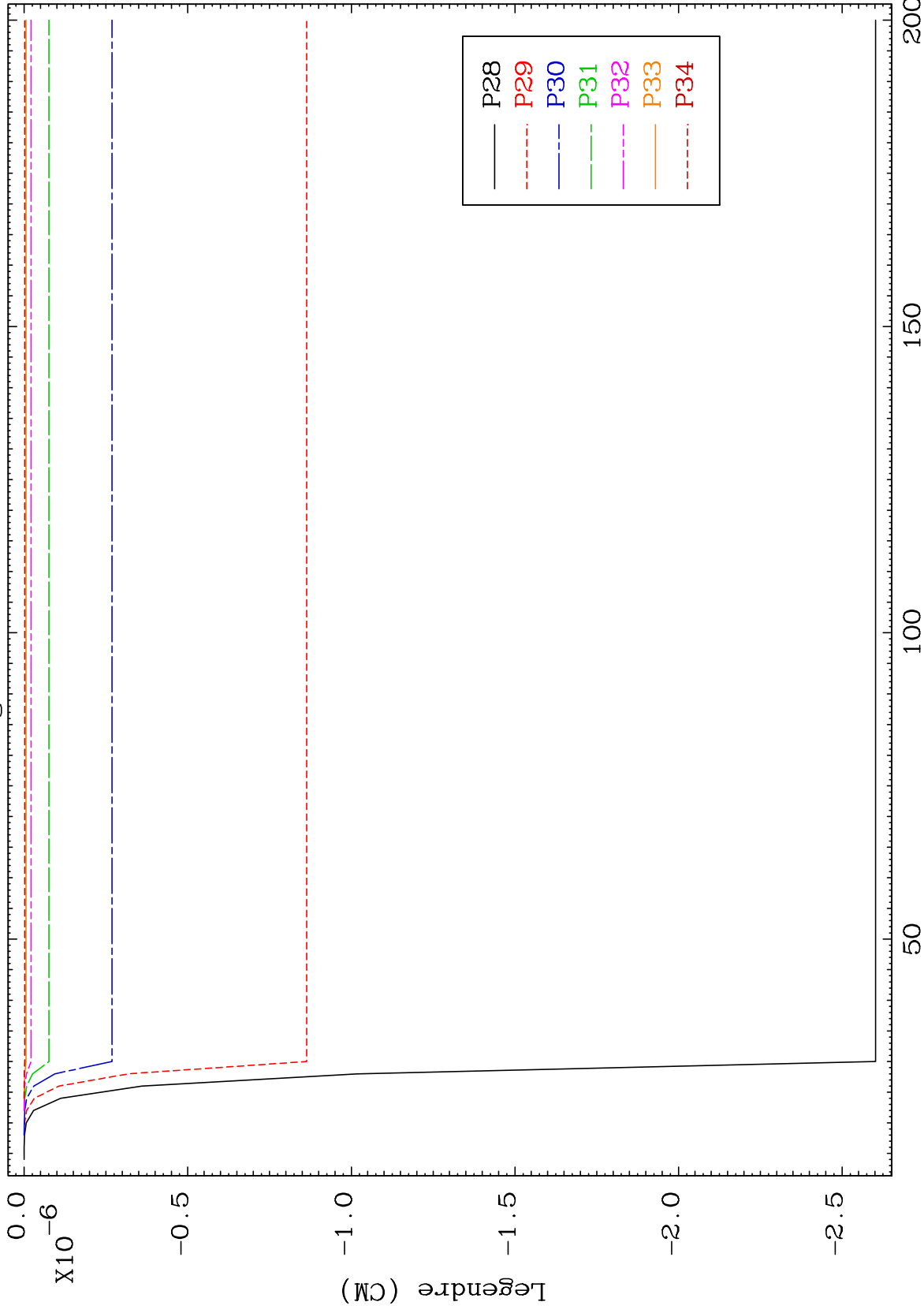
48-Cd-120



MAT 4867

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

48-Cd-120



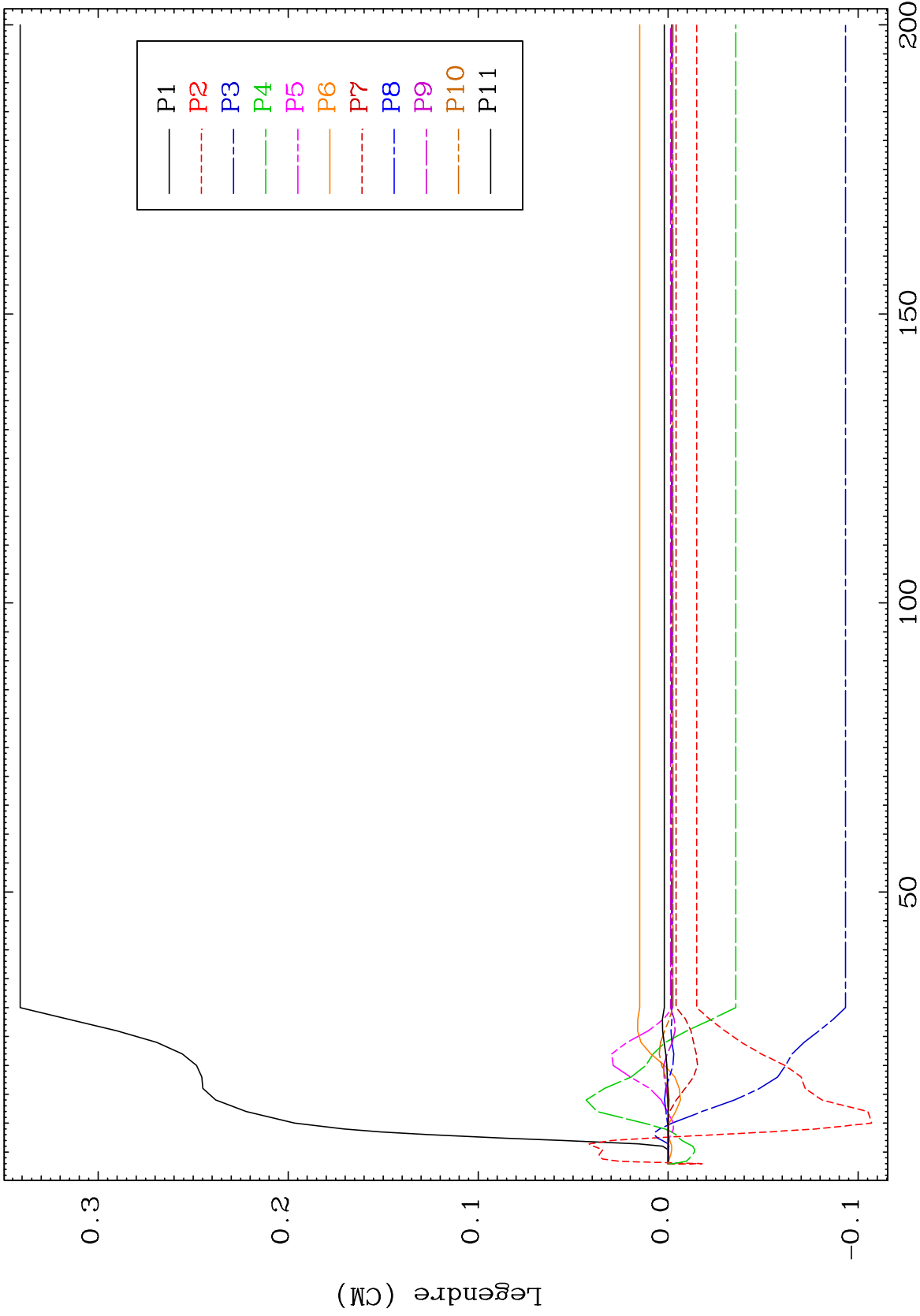
67

48-Cd-120

MAT 4867

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

48-Cd-120



68

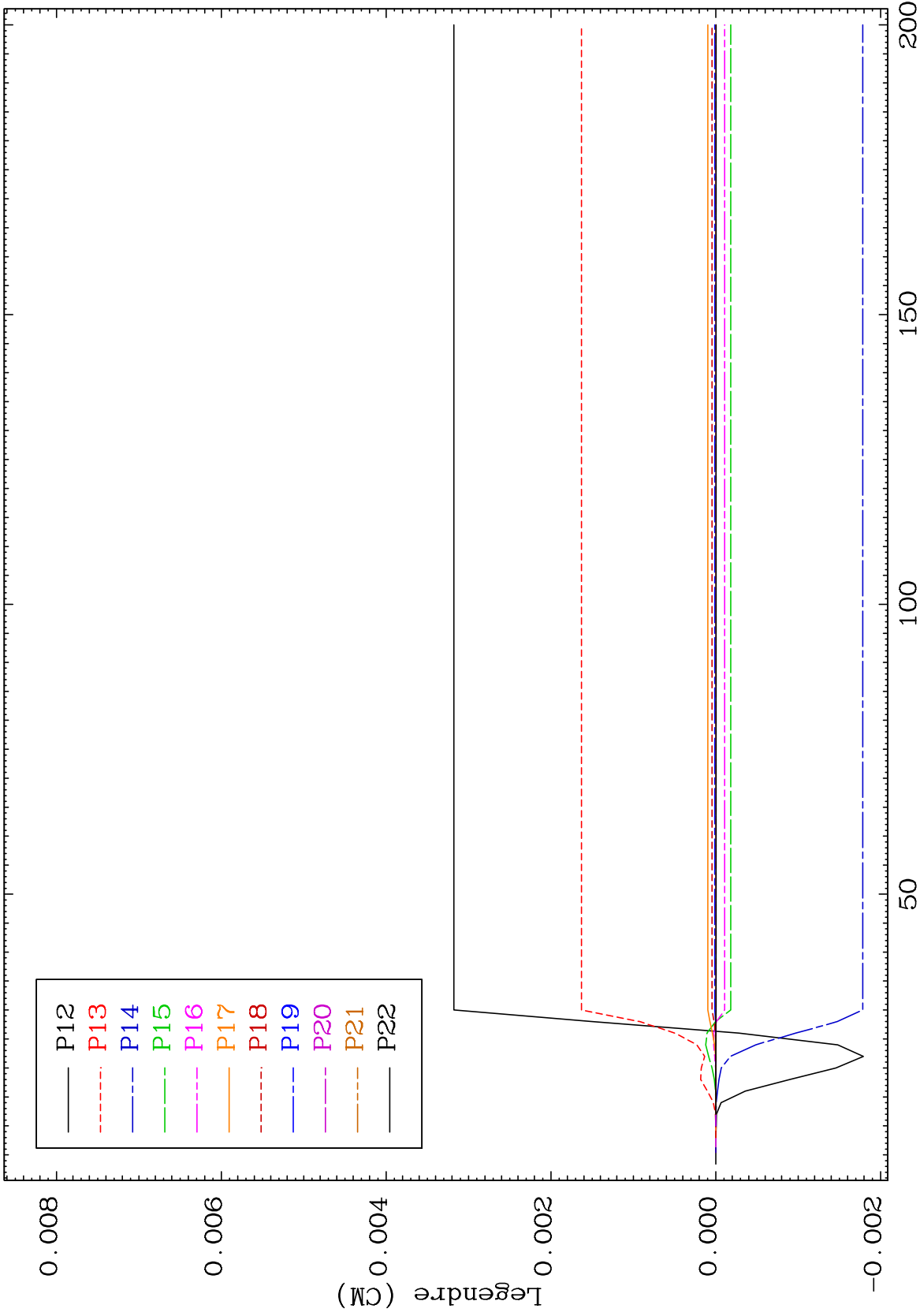
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120

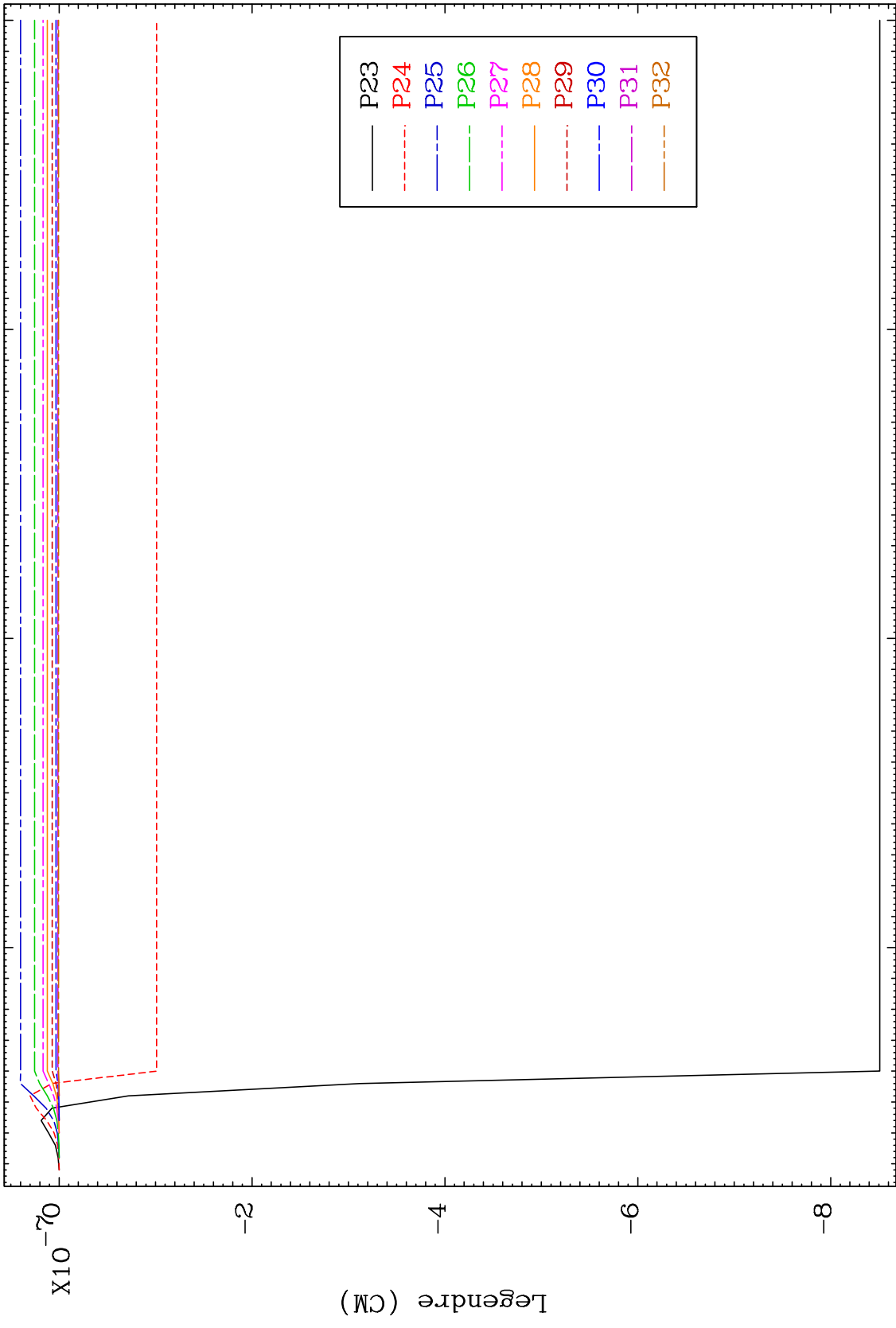


69

Incident Energy (MeV)

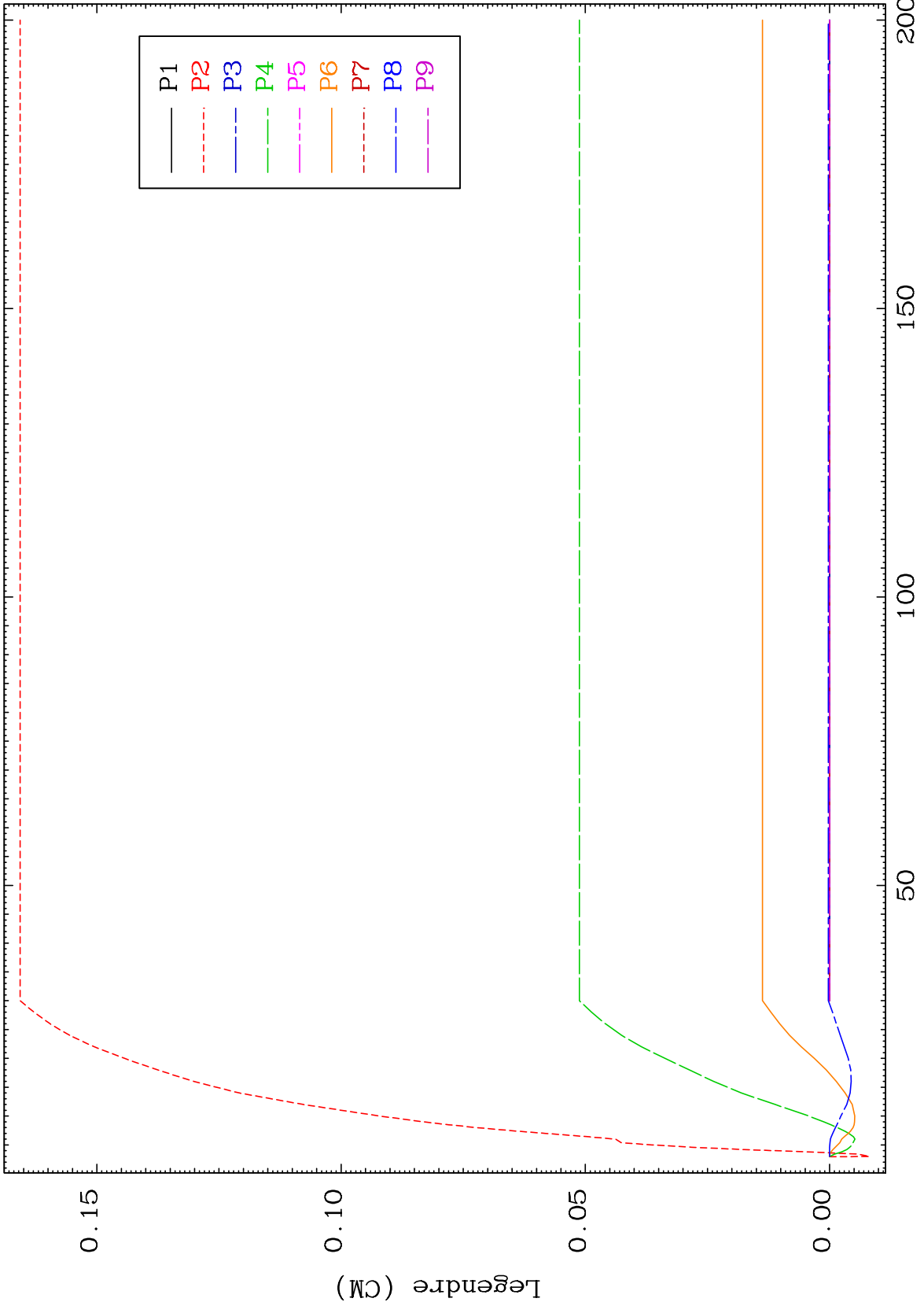
48-Cd-120

MAT 4867 MT= 64 (n,n') Level Legendre Coefficients 48-Cd-120



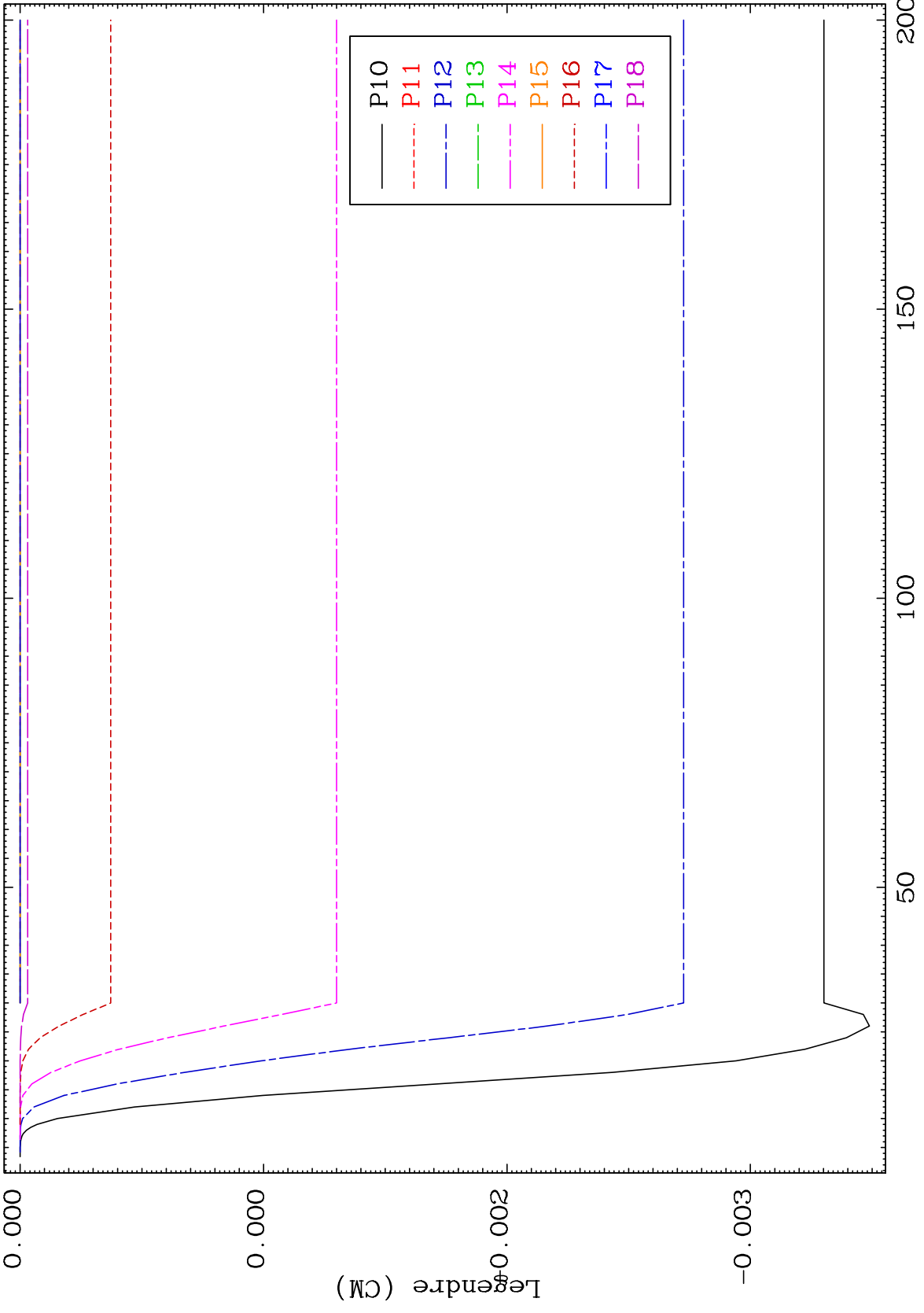
70 Incident Energy (MeV) 48-Cd-120

MAT 4867 MT= 65 (n,n') Level Legendre Coefficients 48-Cd-120



71 Incident Energy (MeV) 48-Cd-120

MAT 4867 MT= 65 (n,n') Level Legendre Coefficients 48-Cd-120

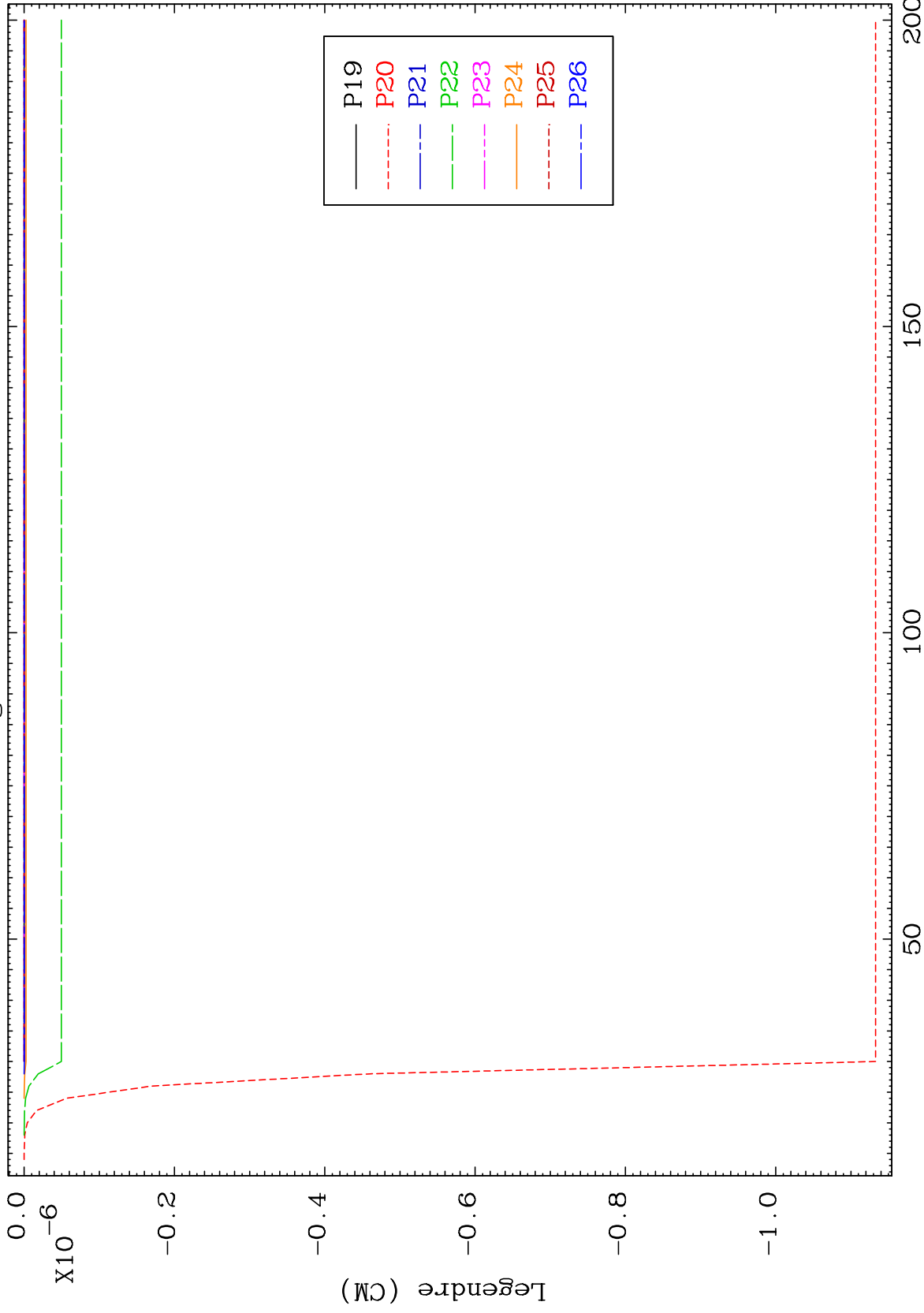


72 48-Cd-120

MAT 4867

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

48-Cd-120



48-Cd-120

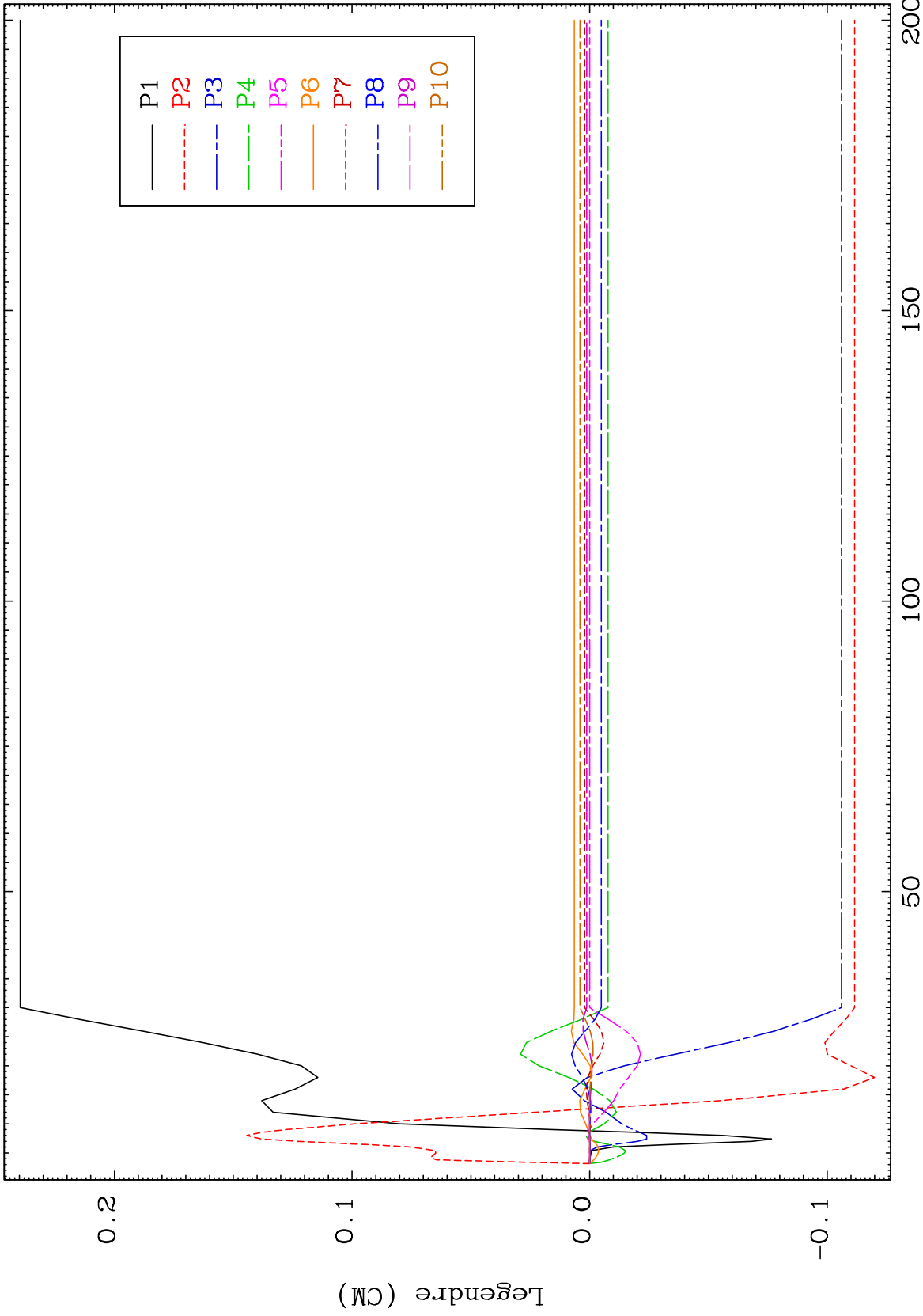
Incident Energy (MeV)

73

MAT 4867

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

48-Cd-120



74

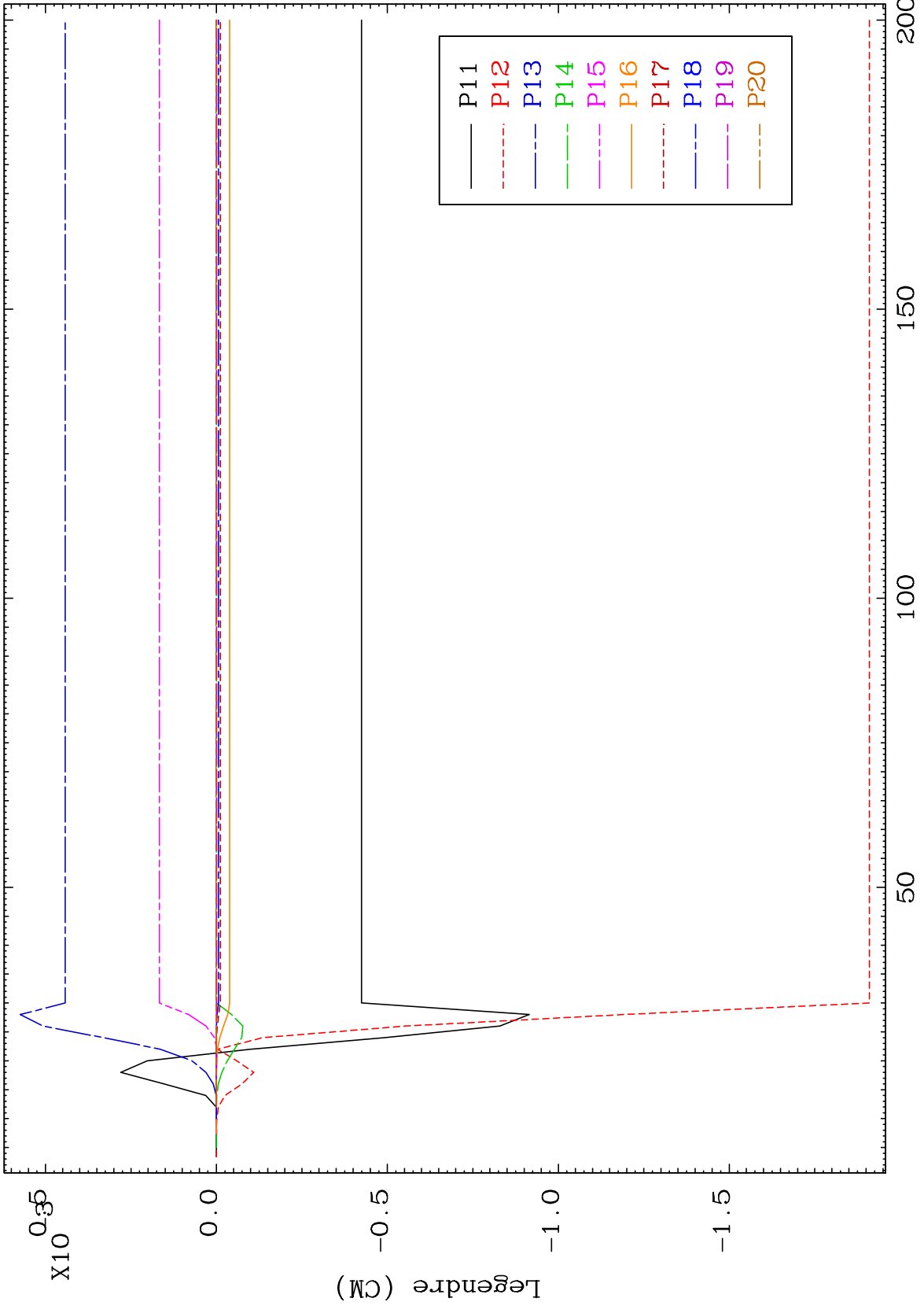
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



75

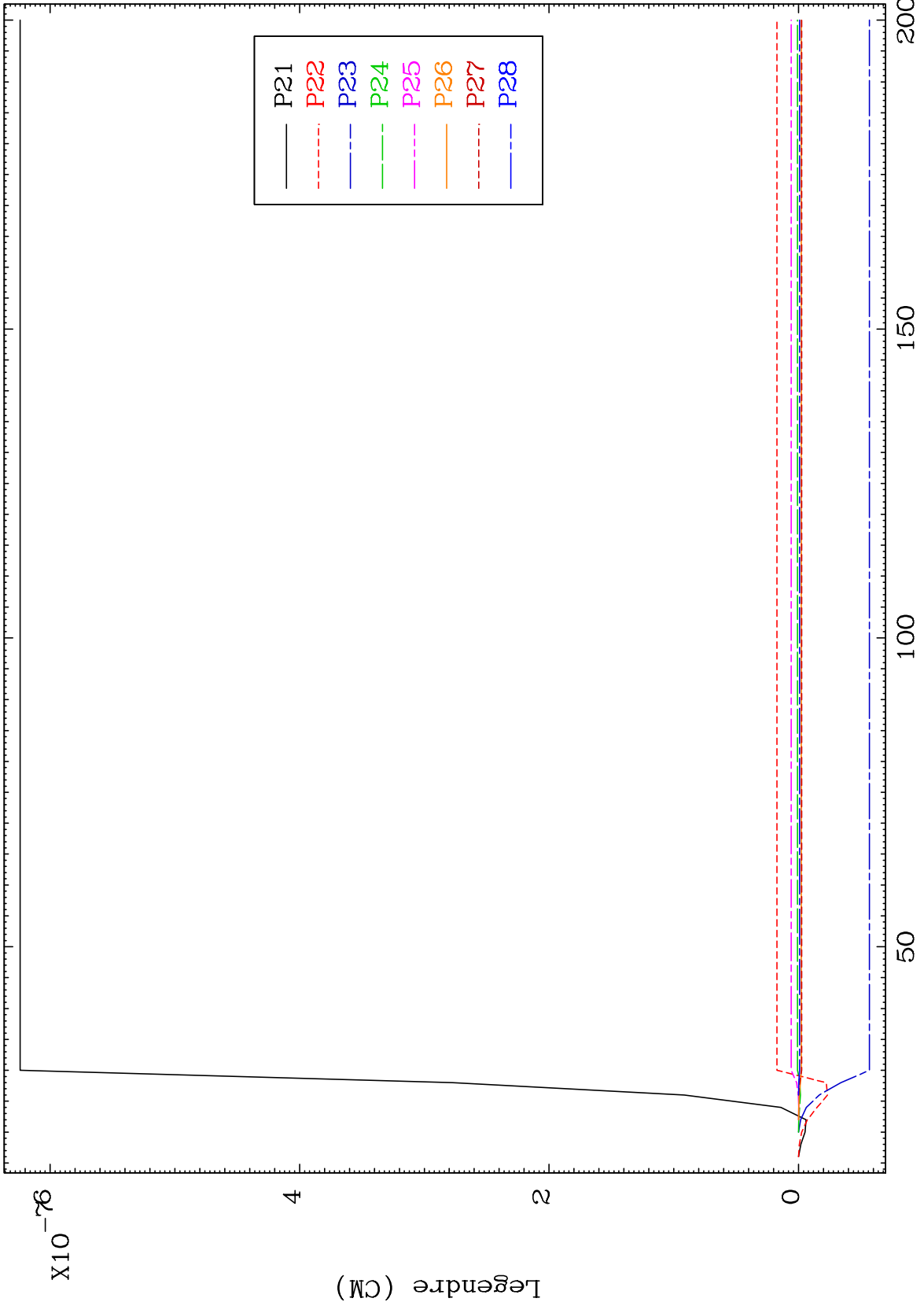
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



76

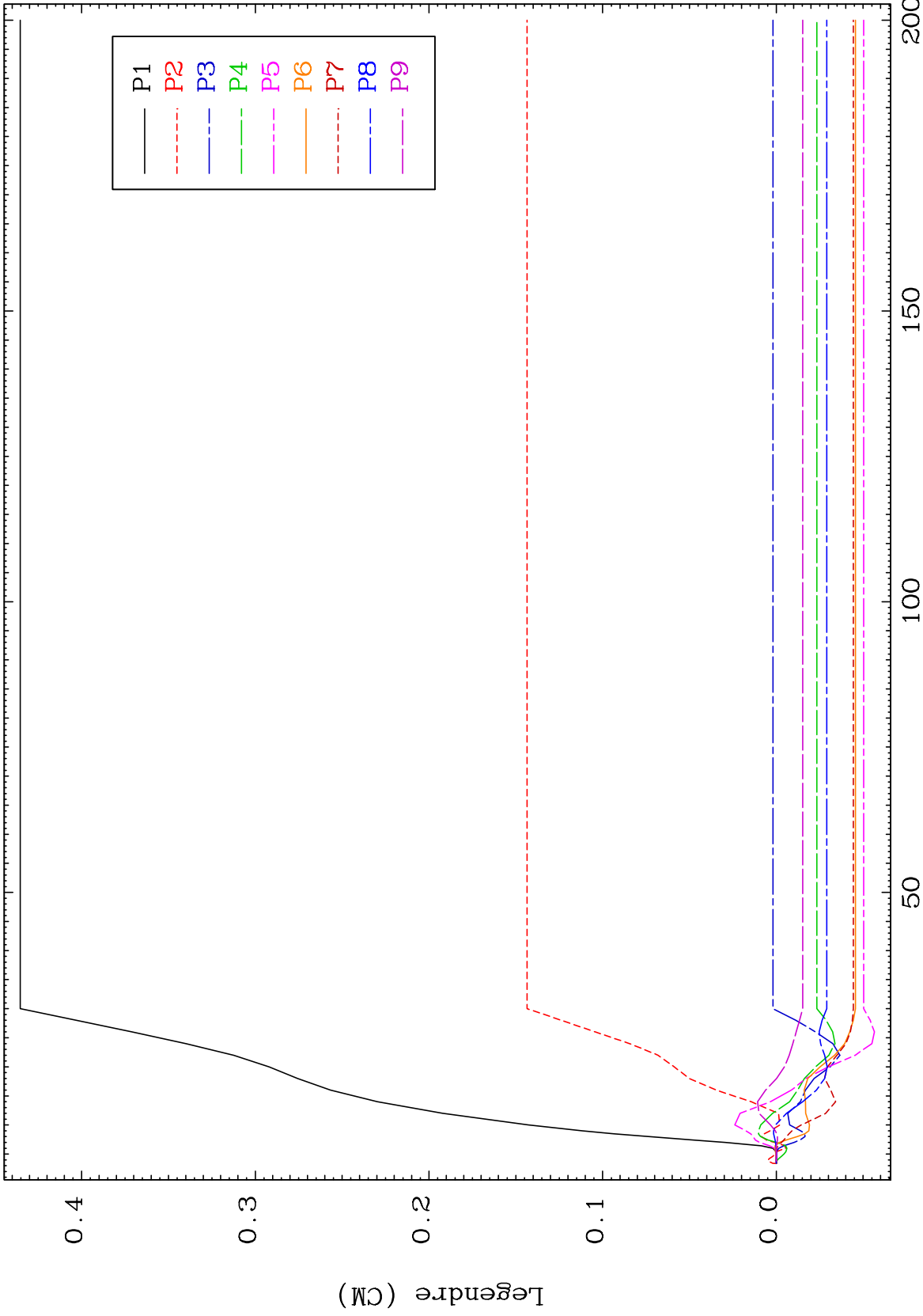
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



77

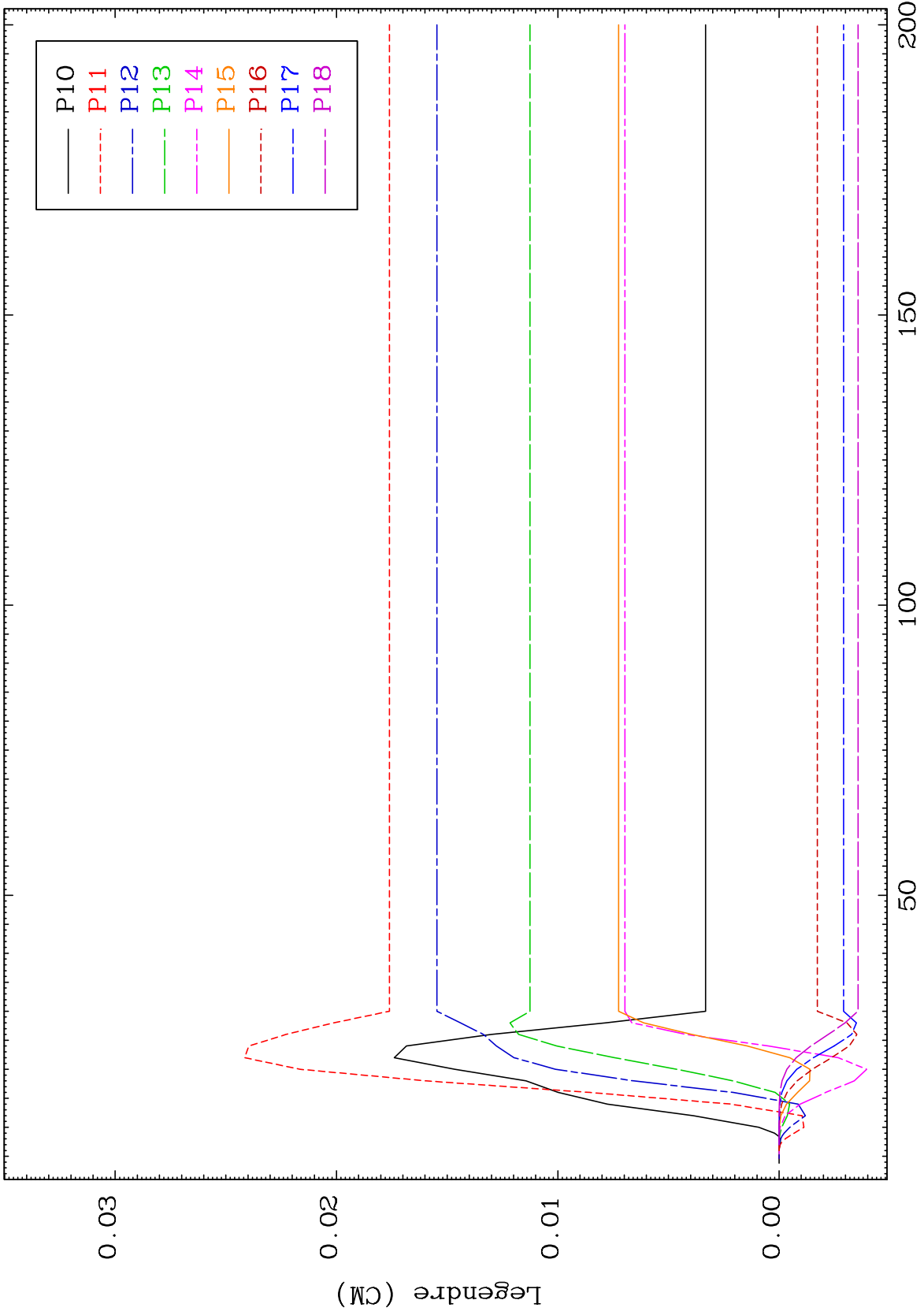
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



78

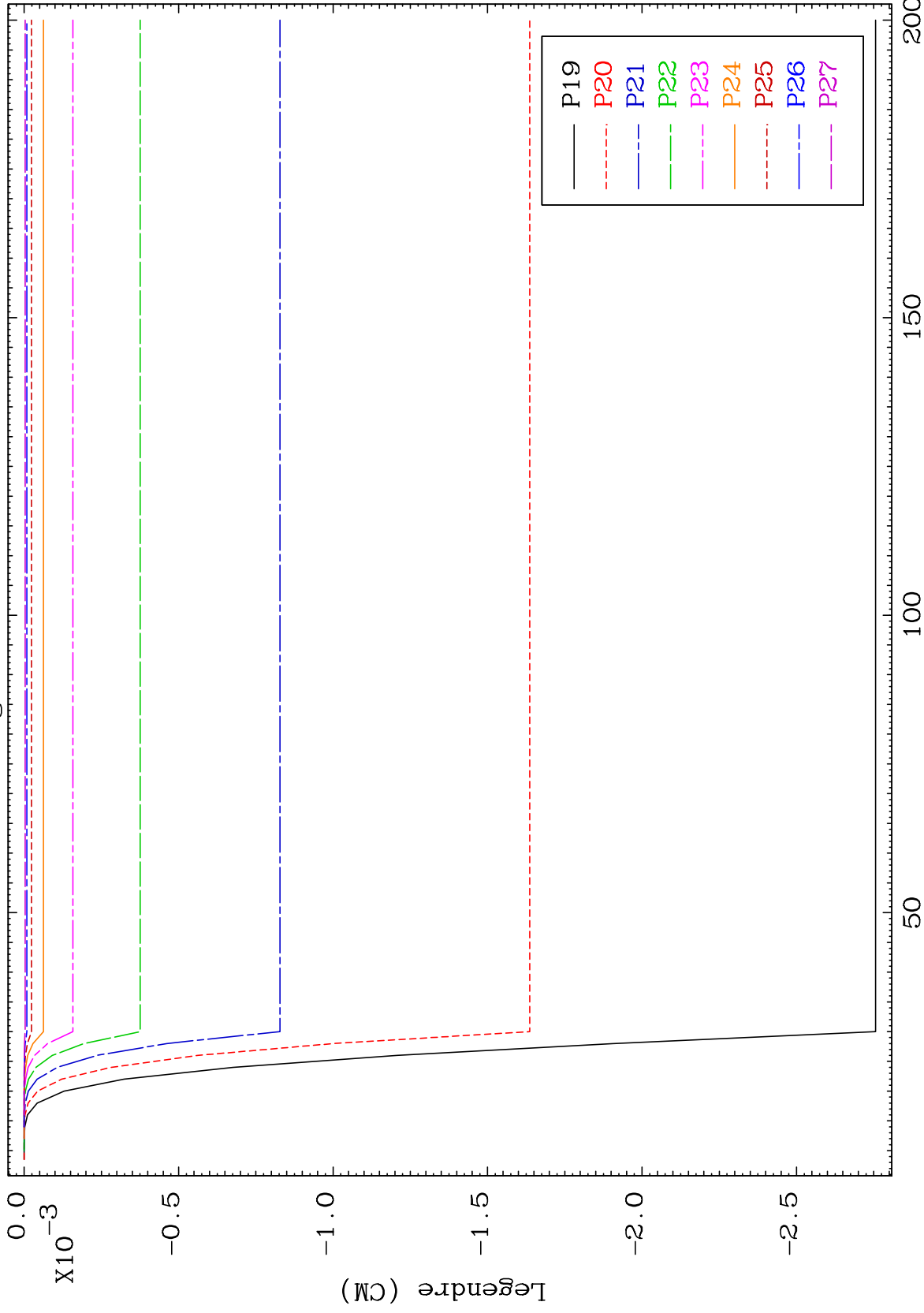
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



79

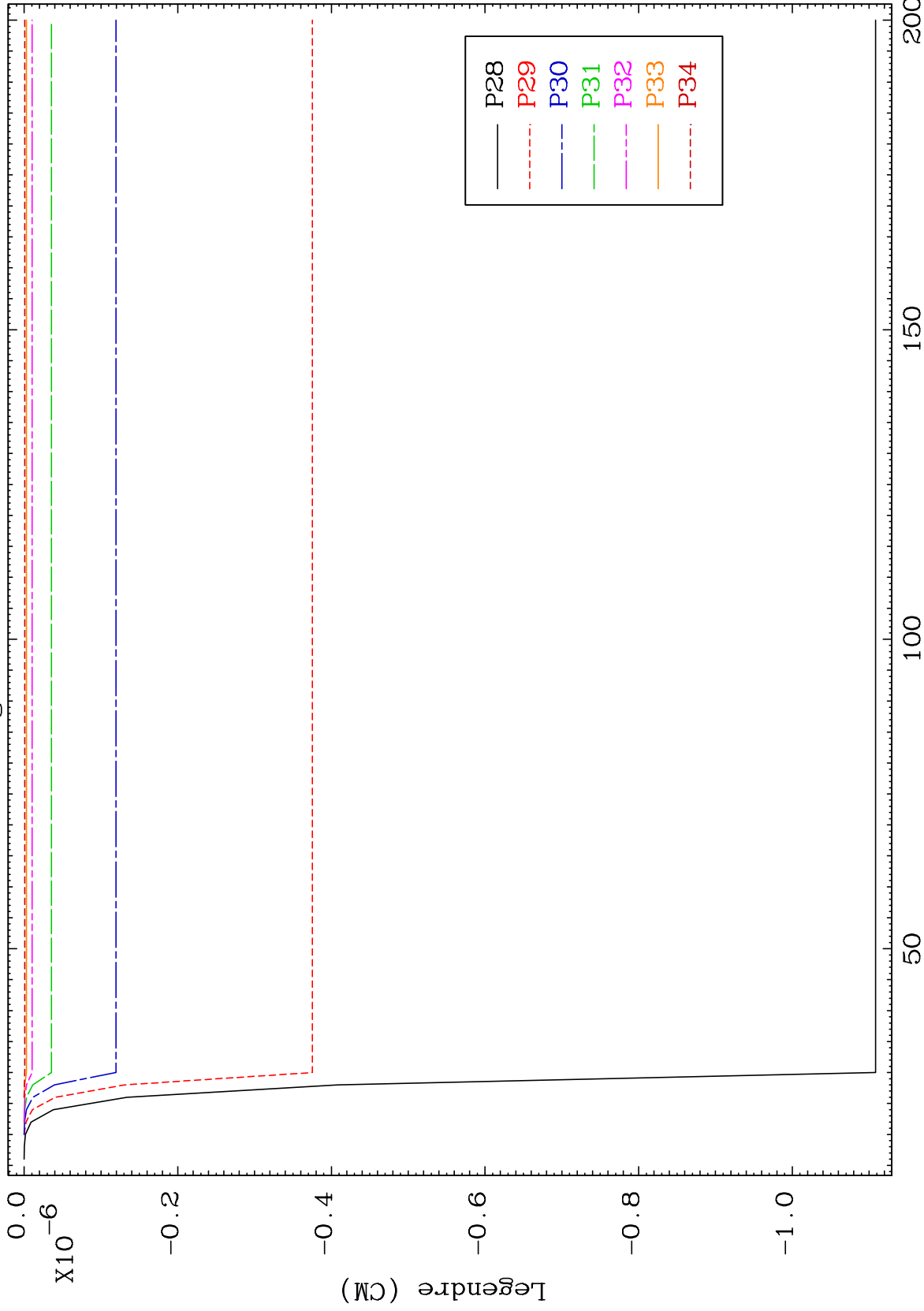
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120

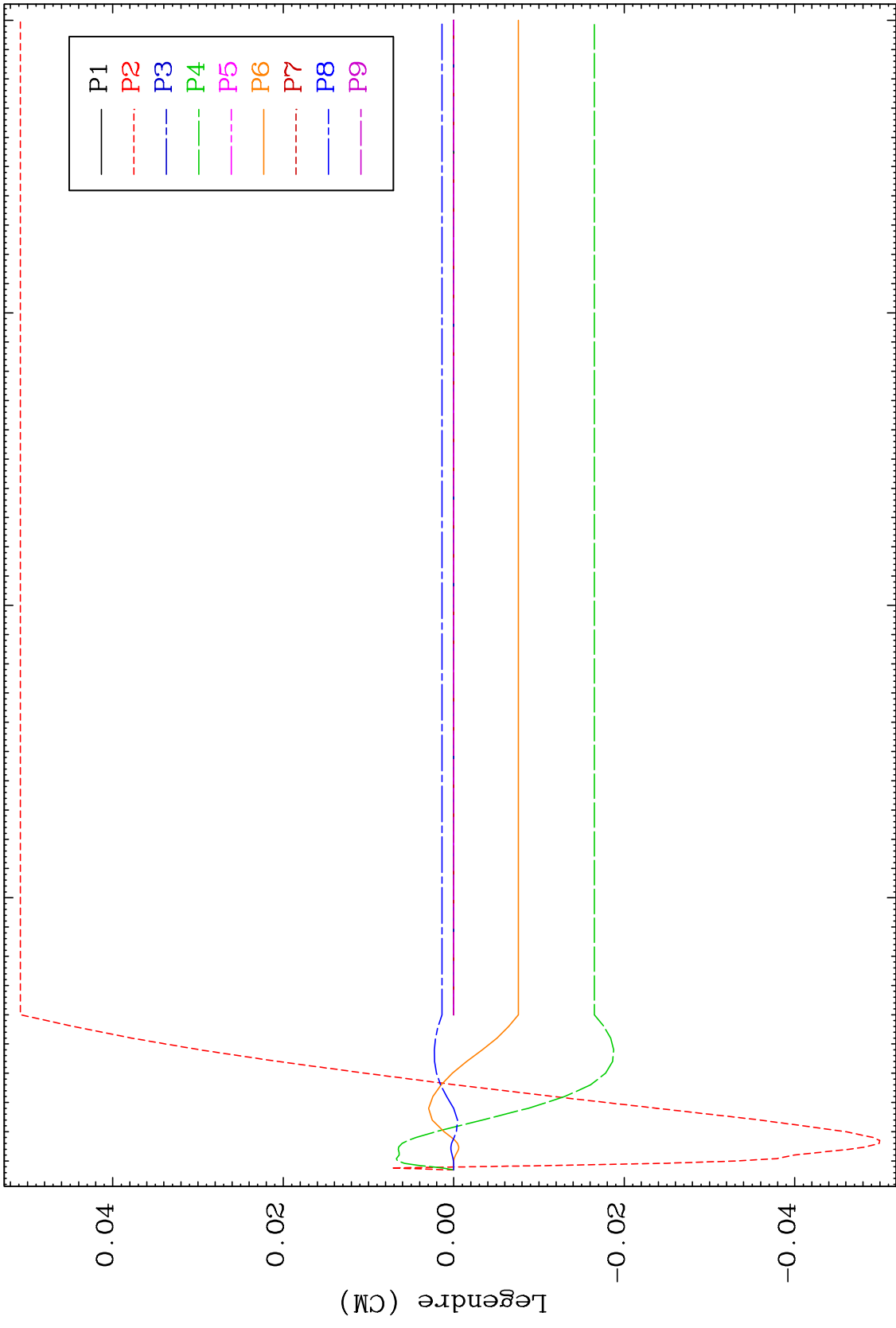


48-Cd-120

Incident Energy (MeV)

80

MAT 4867 MT= 68 (n,n') Level Legendre Coefficients 48-Cd-120

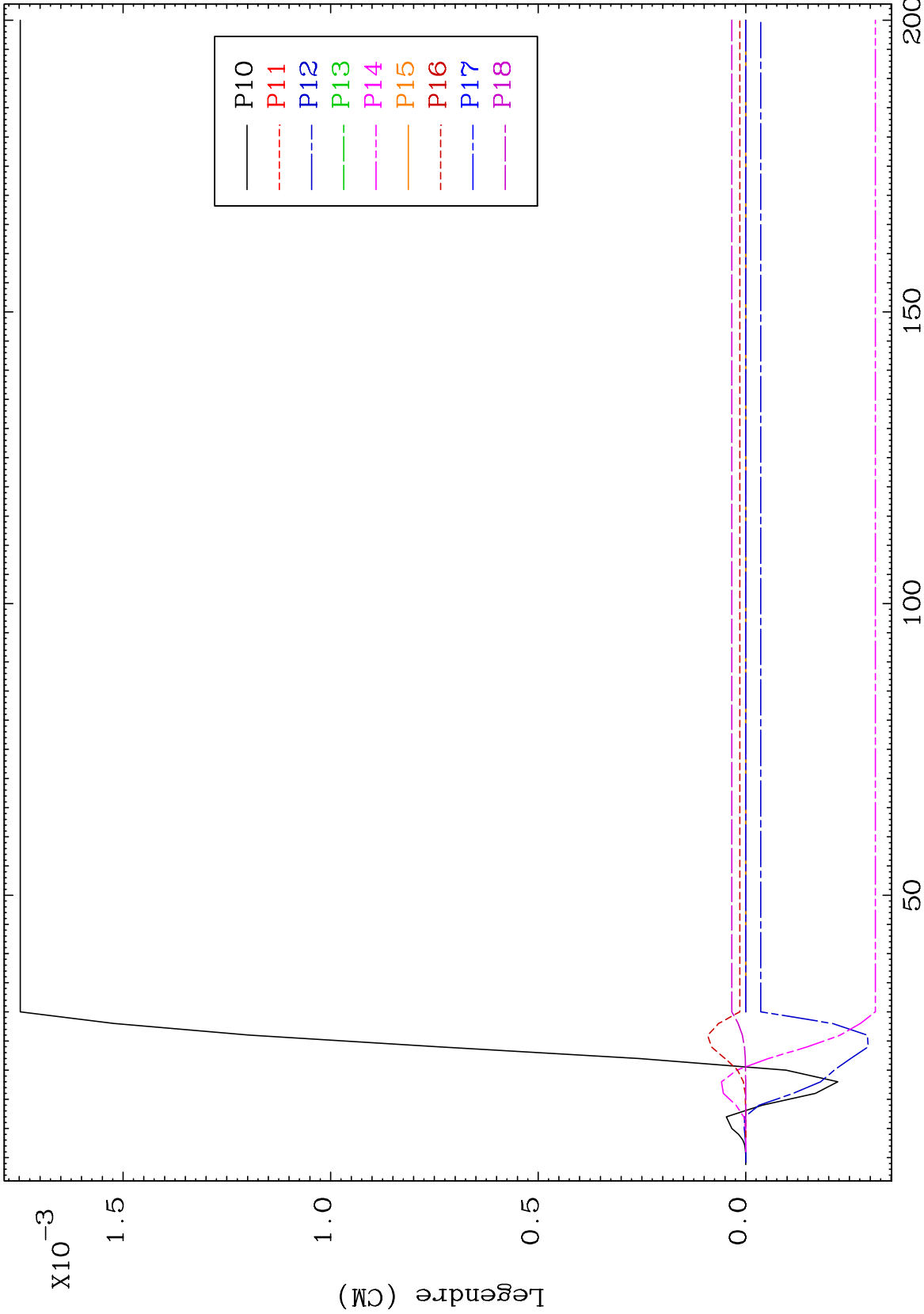


81 Incident Energy (MeV) 48-Cd-120

MAT 4867

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

48-Cd-120

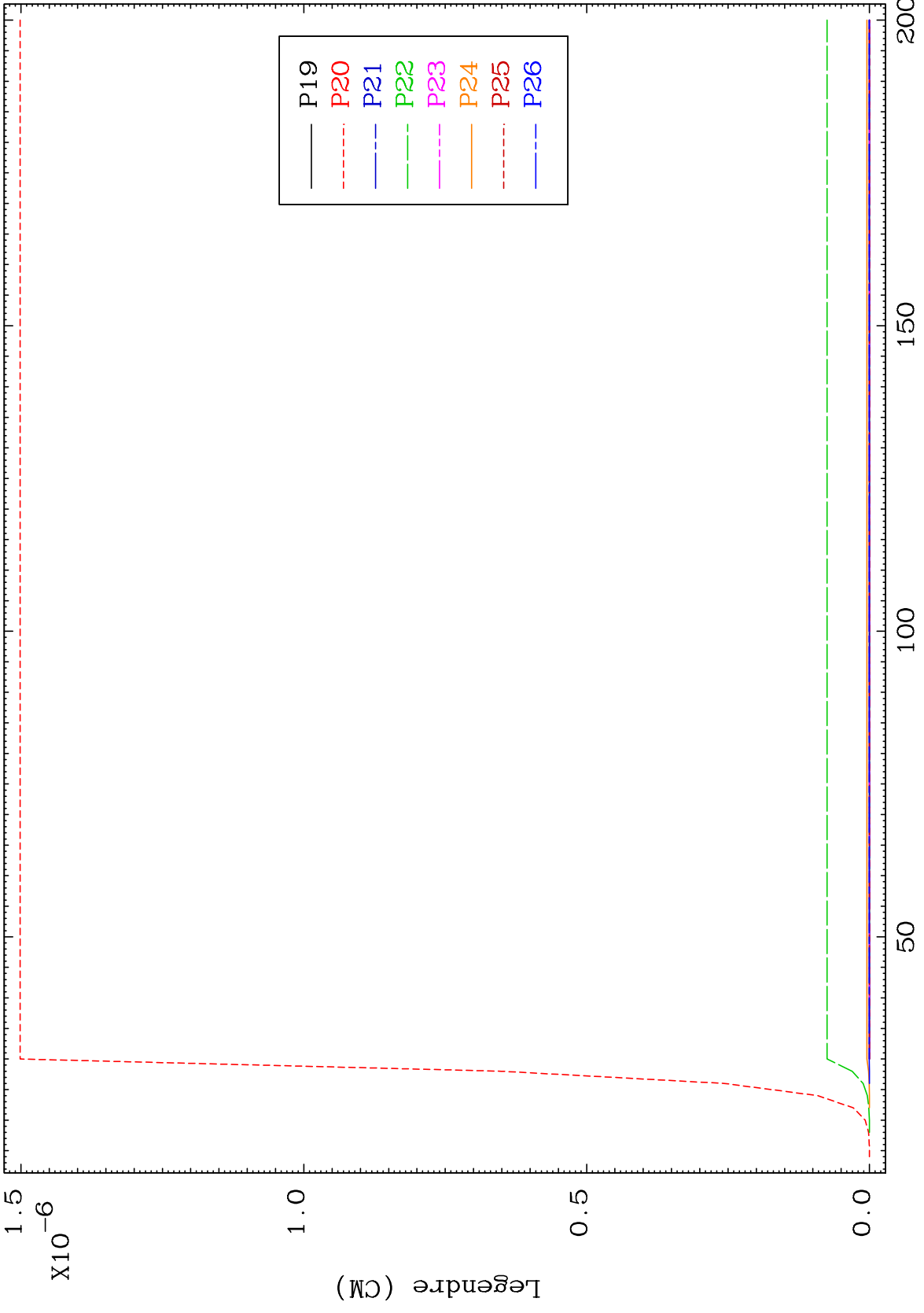


82

Incident Energy (MeV)

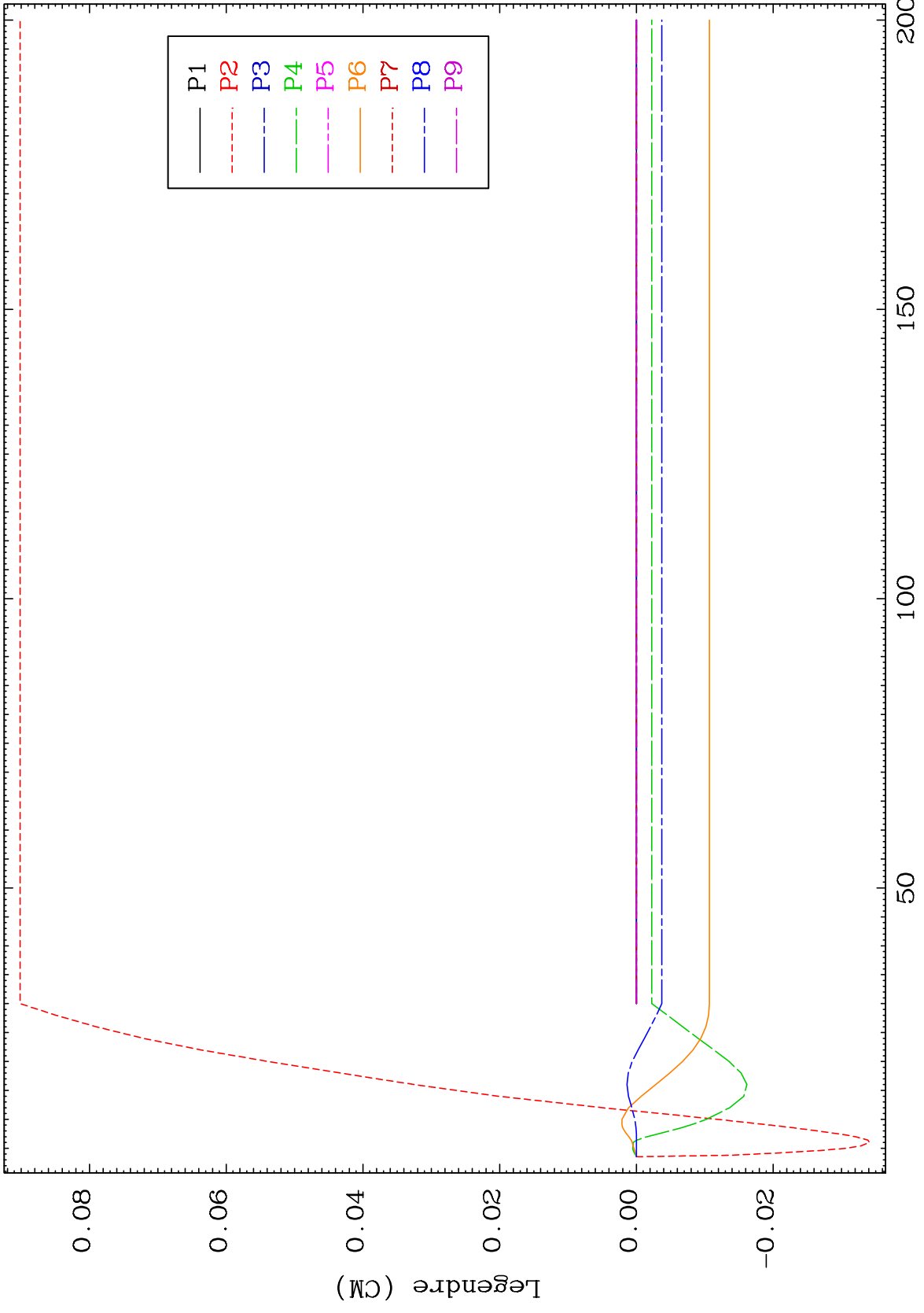
48-Cd-120

MAT 4867 MT= 68 (n,n') Level Legendre Coefficients 48-Cd-120



83 48-Cd-120

MAT 4867 MT= 69 (n,n') Level Legendre Coefficients 48-Cd-120

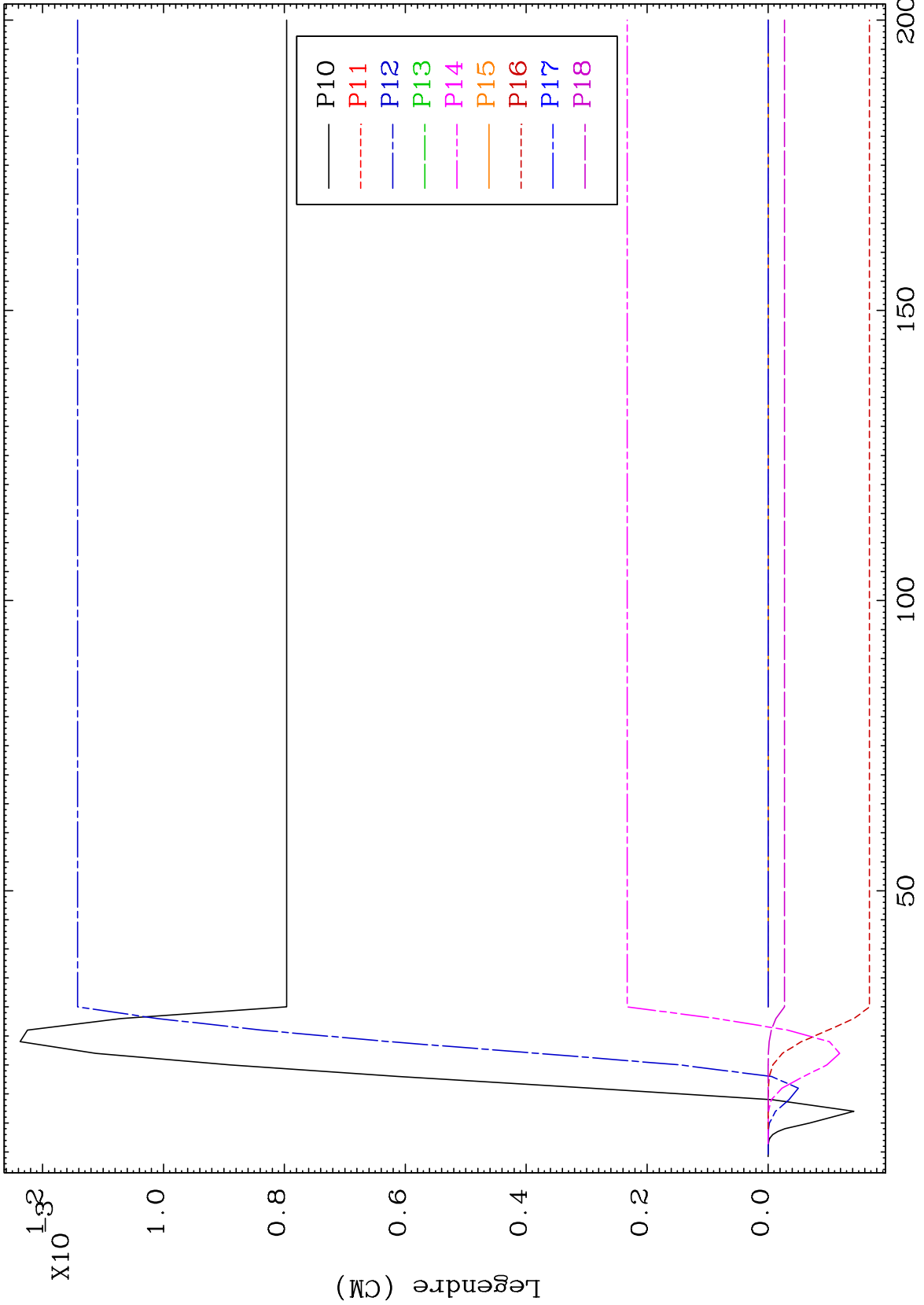


84 48-Cd-120

MAT 4867

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

48-Cd-120

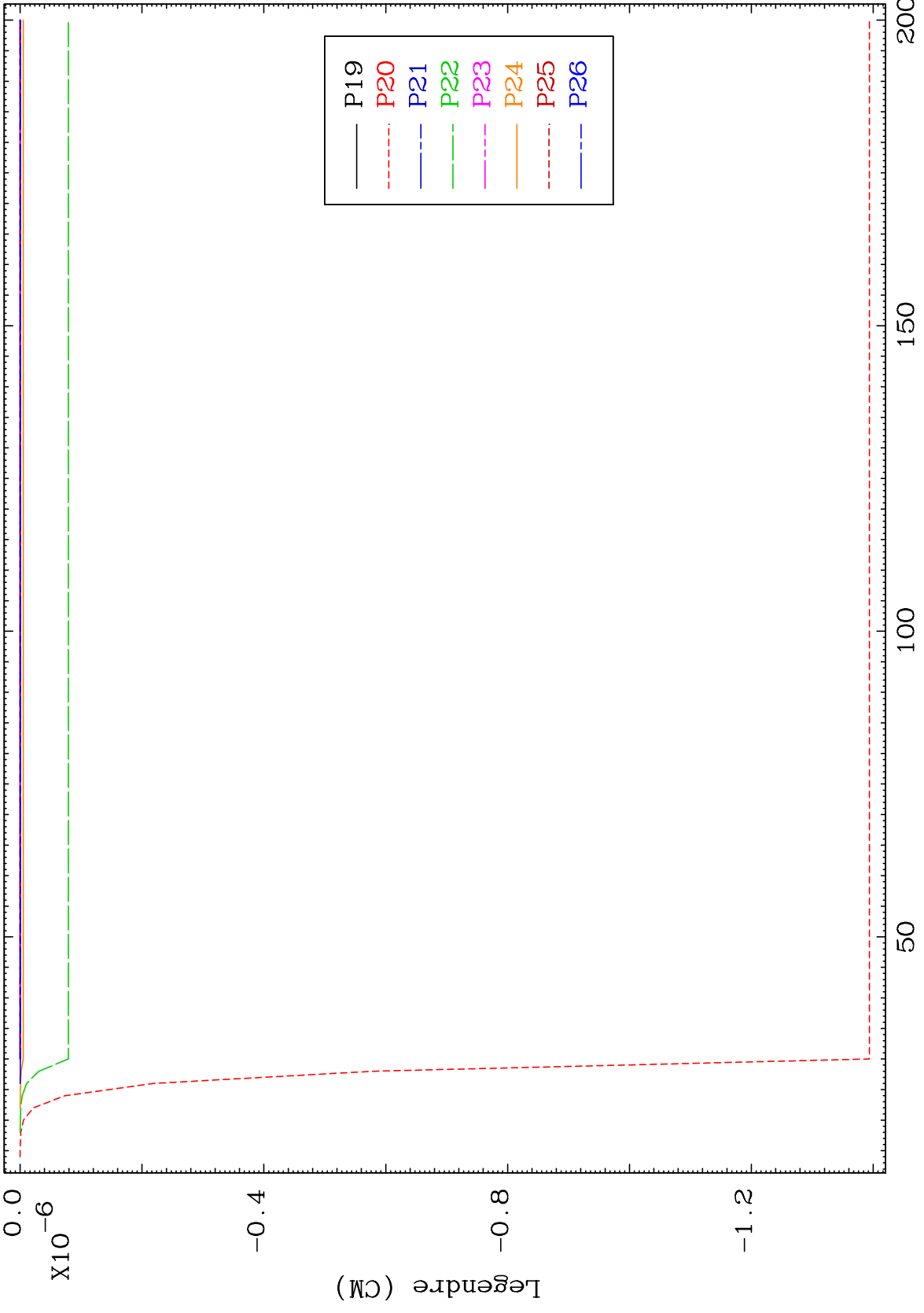


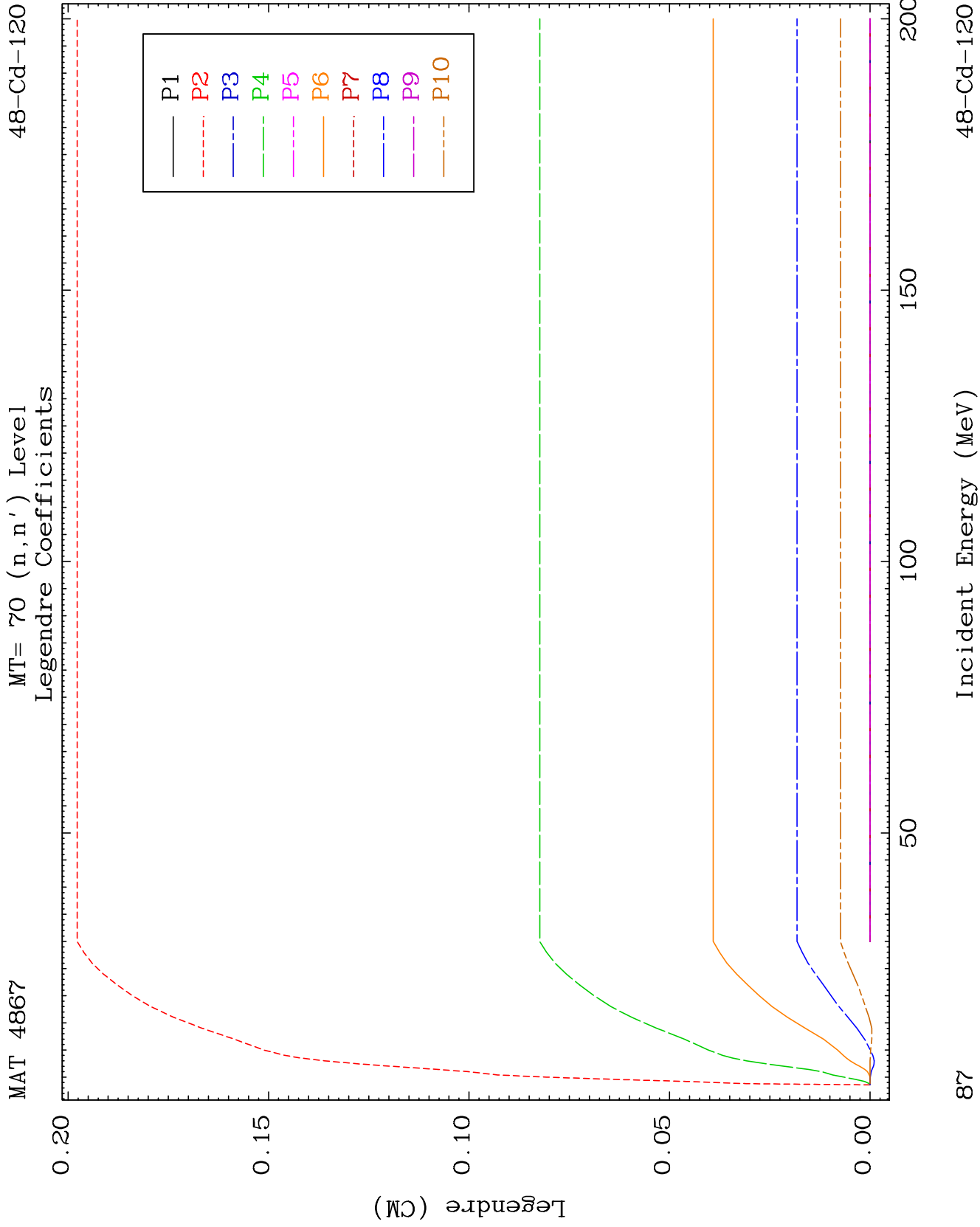
85

Incident Energy (MeV)

48-Cd-120

MAT 4867 MT= 69 (n,n') Level Legendre Coefficients 48-Cd-120

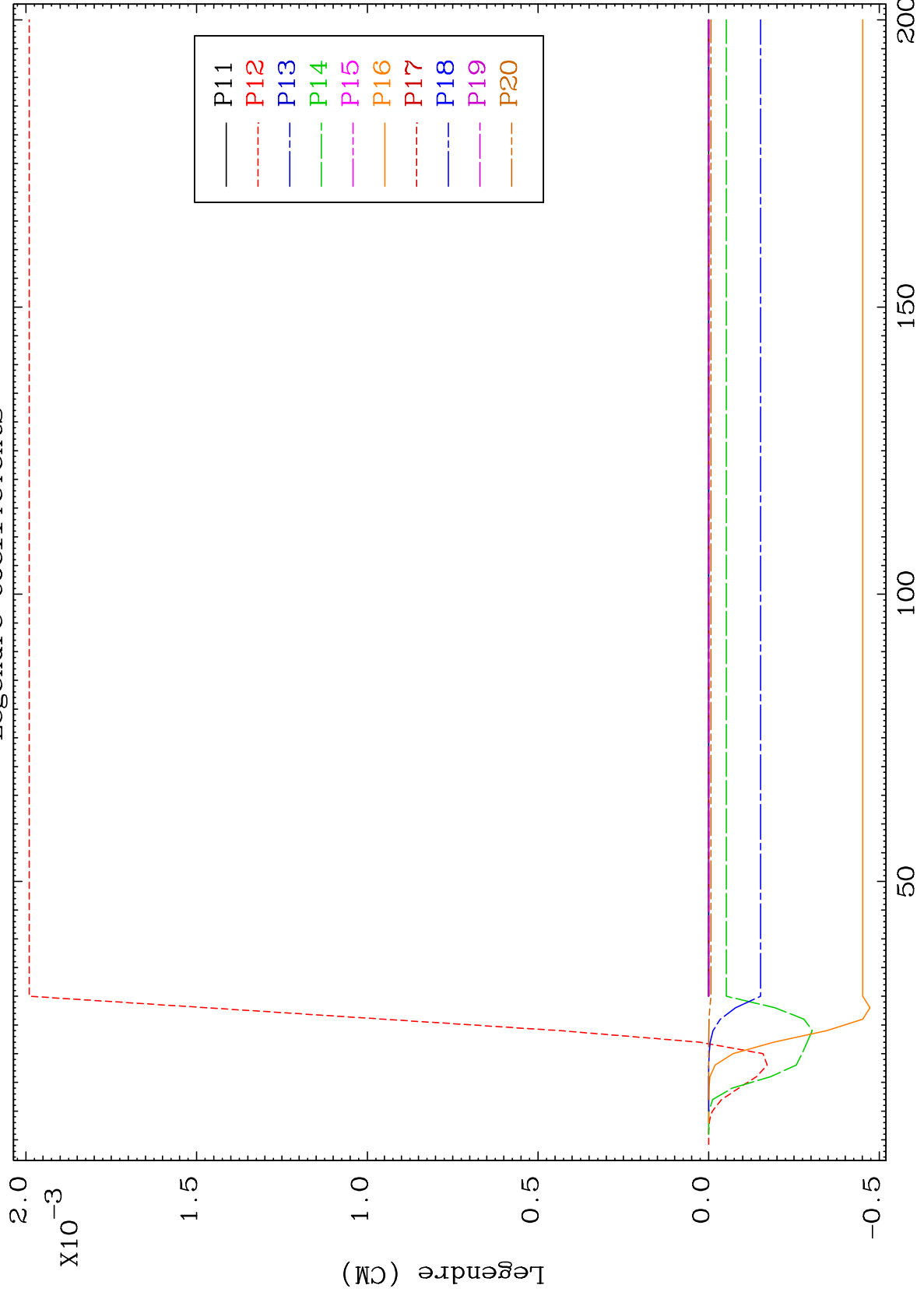




MAT 4867

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

48-Cd-120

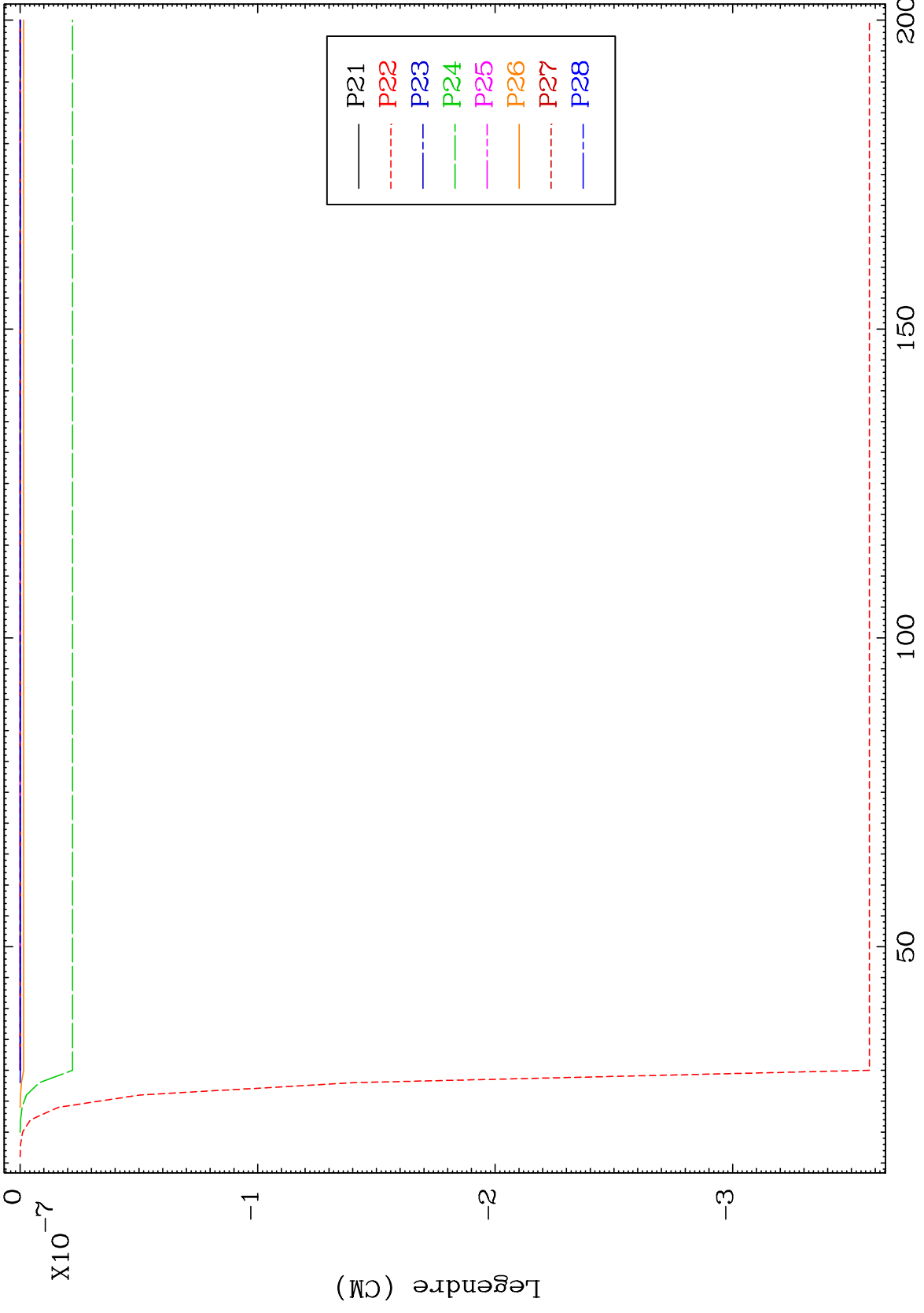


88

Incident Energy (MeV)

48-Cd-120

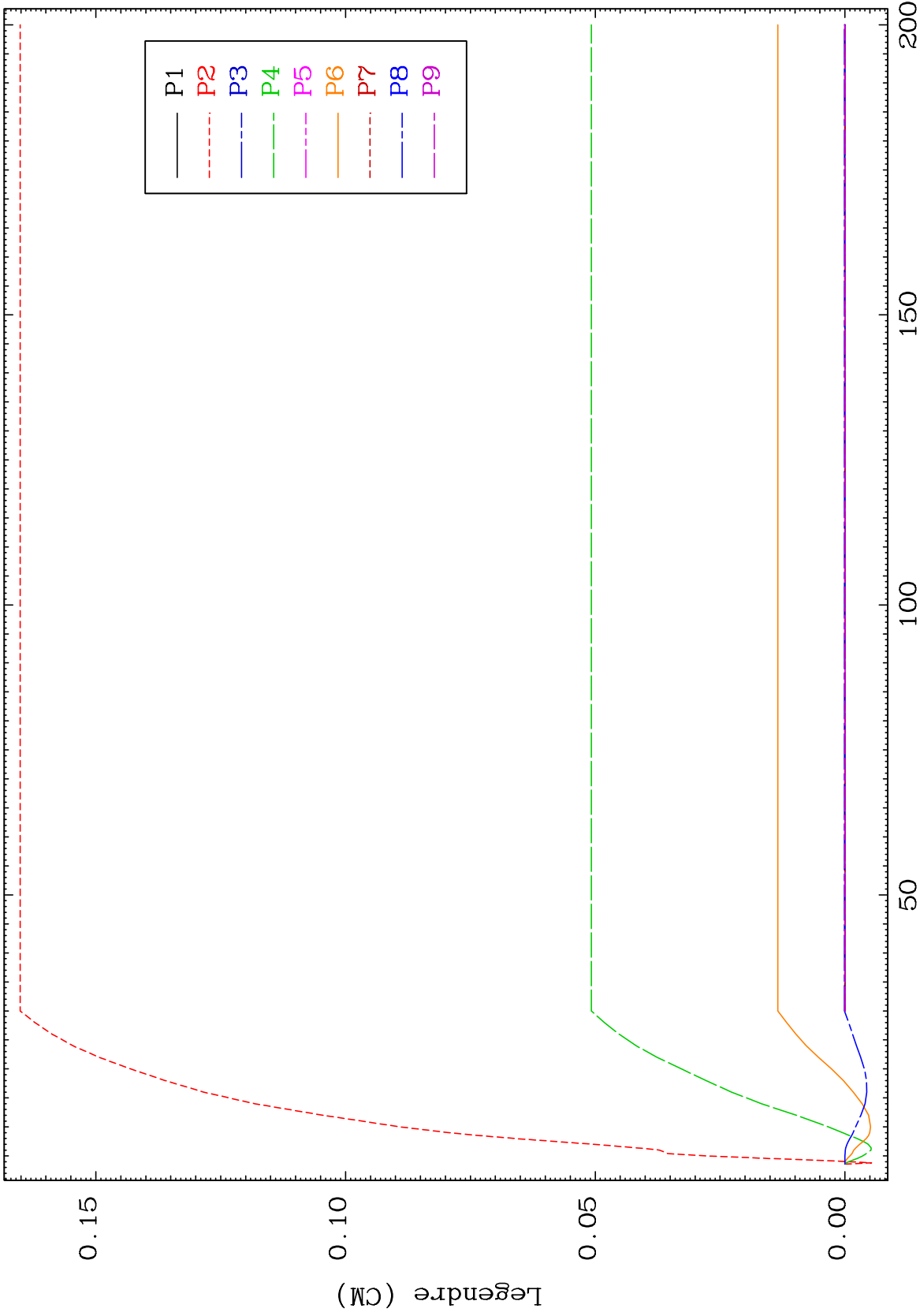
MAT 4867 MT= 70 (n,n') Level Legendre Coefficients 48-Cd-120



MAT 4867

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

48-Cd-120

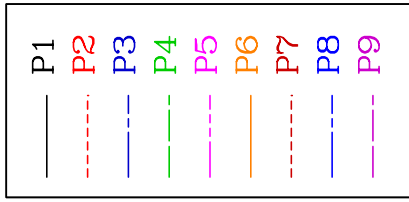


90

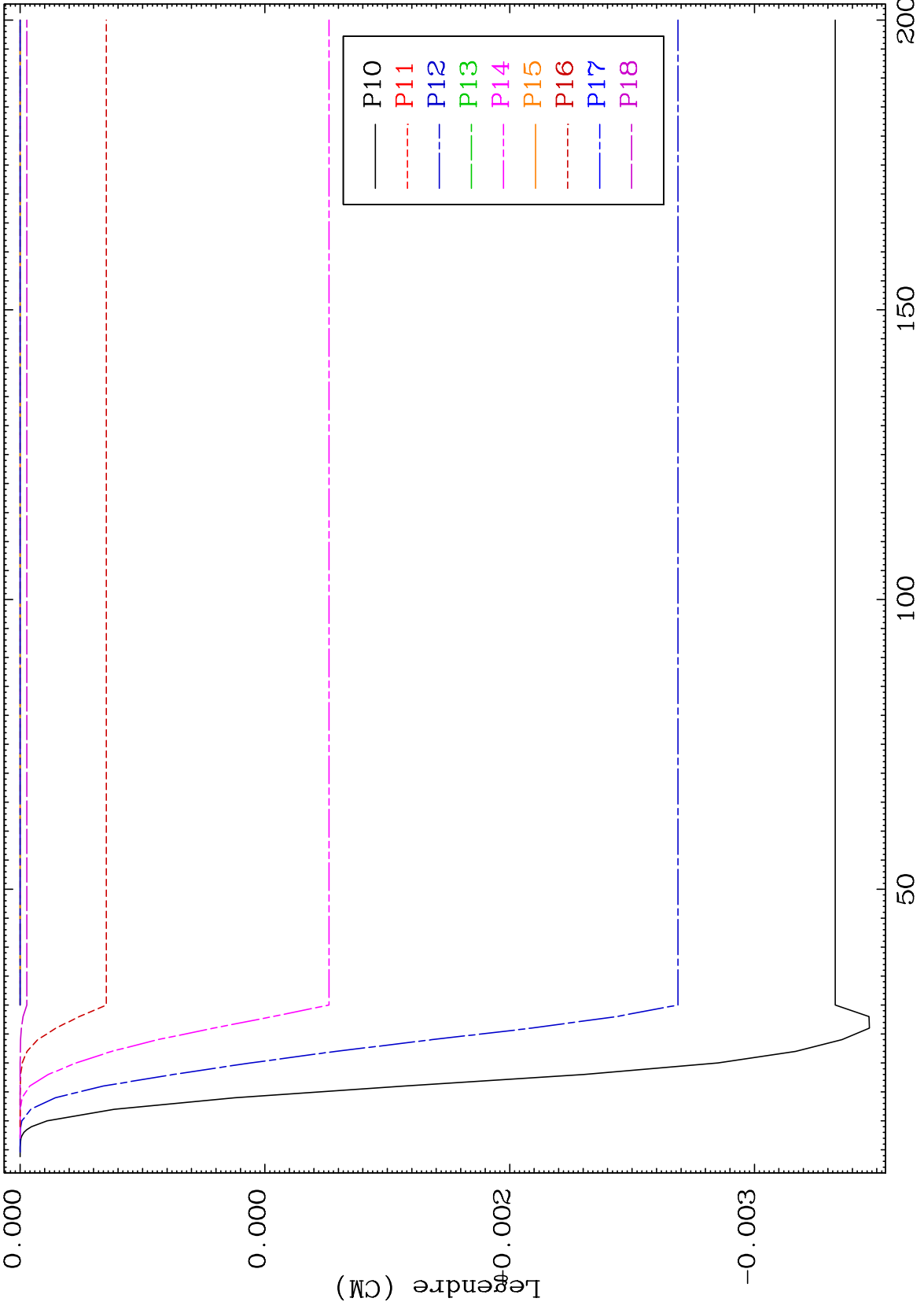
Incident Energy (MeV)

150

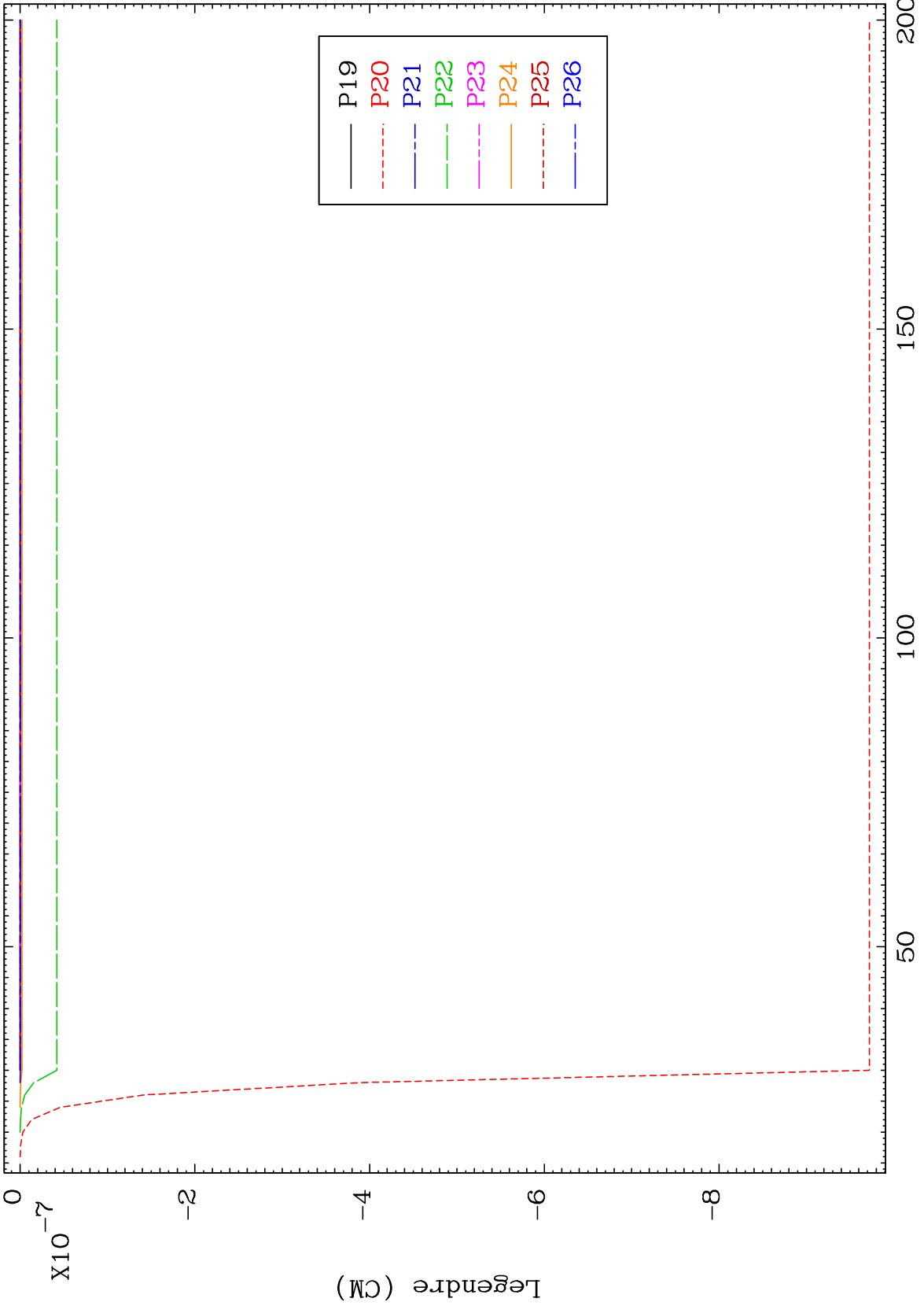
48-Cd-120



MAT 4867 MT= 71 (n,n') Level Legendre Coefficients 48-Cd-120



MAT 4867 MT= 71 (n,n') Level Legendre Coefficients 48-Cd-120

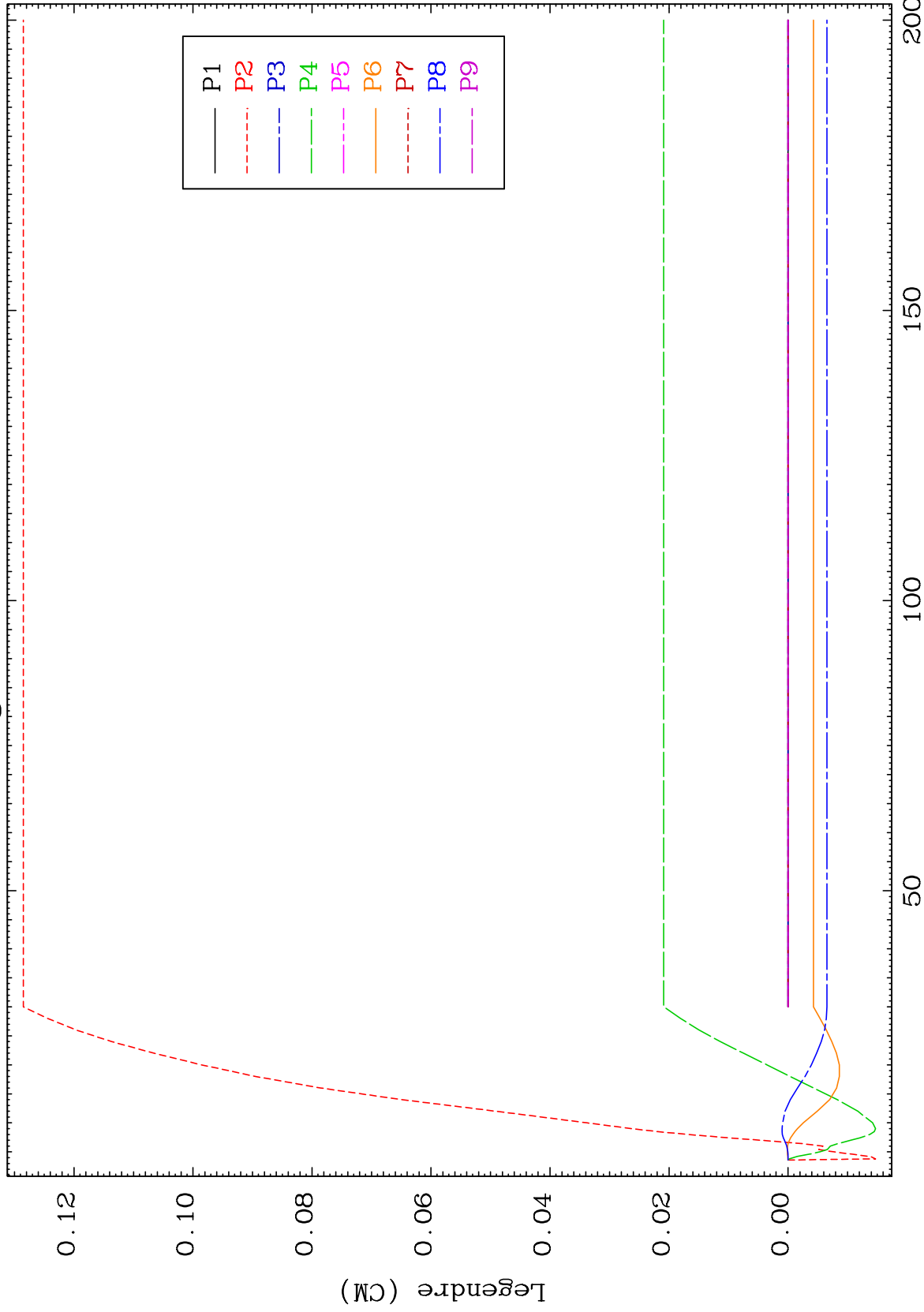


92 48-Cd-120

MAT 4867

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

48-Cd-120



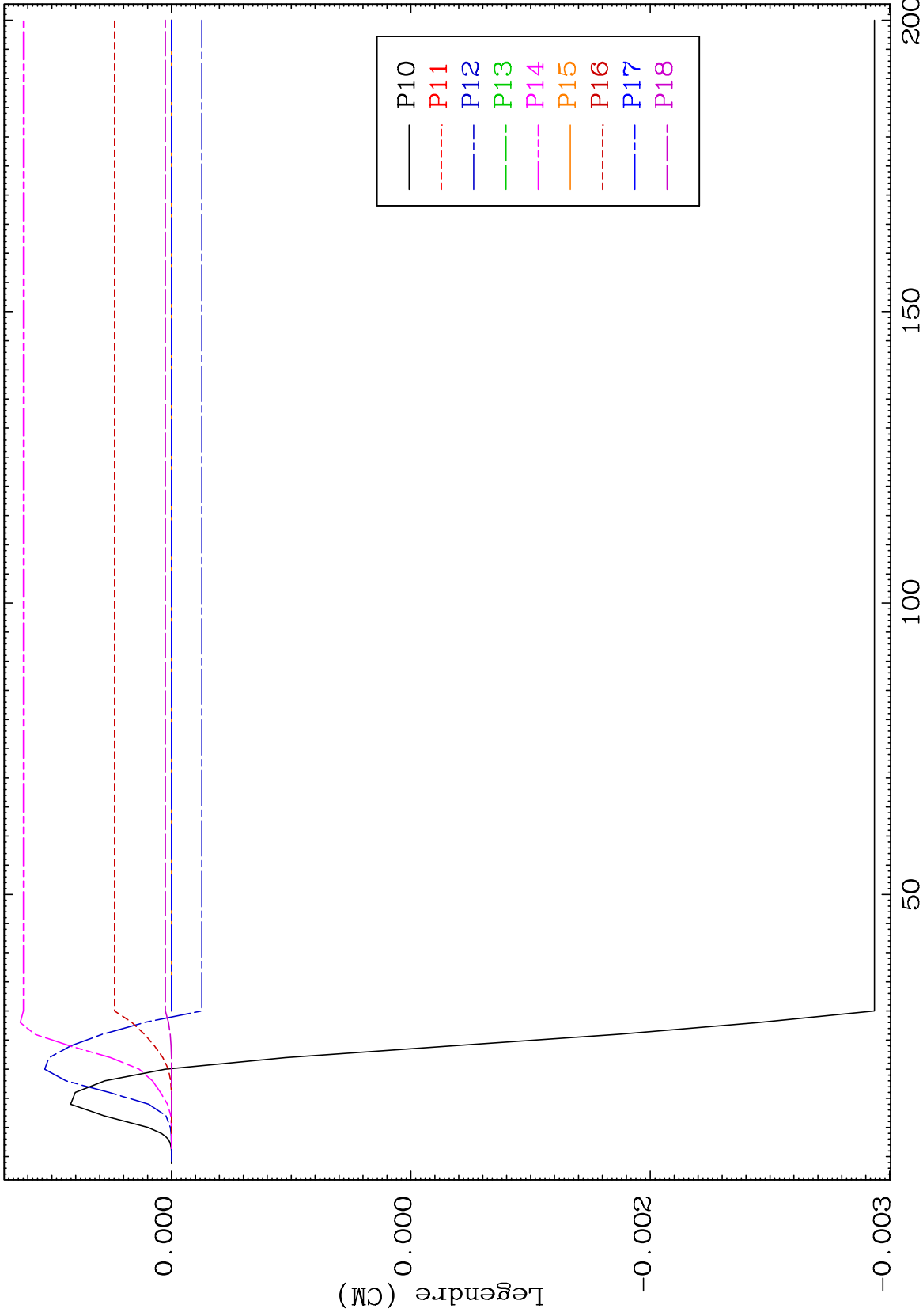
93

48-Cd-120

MAT 4867

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

48-Cd-120



94

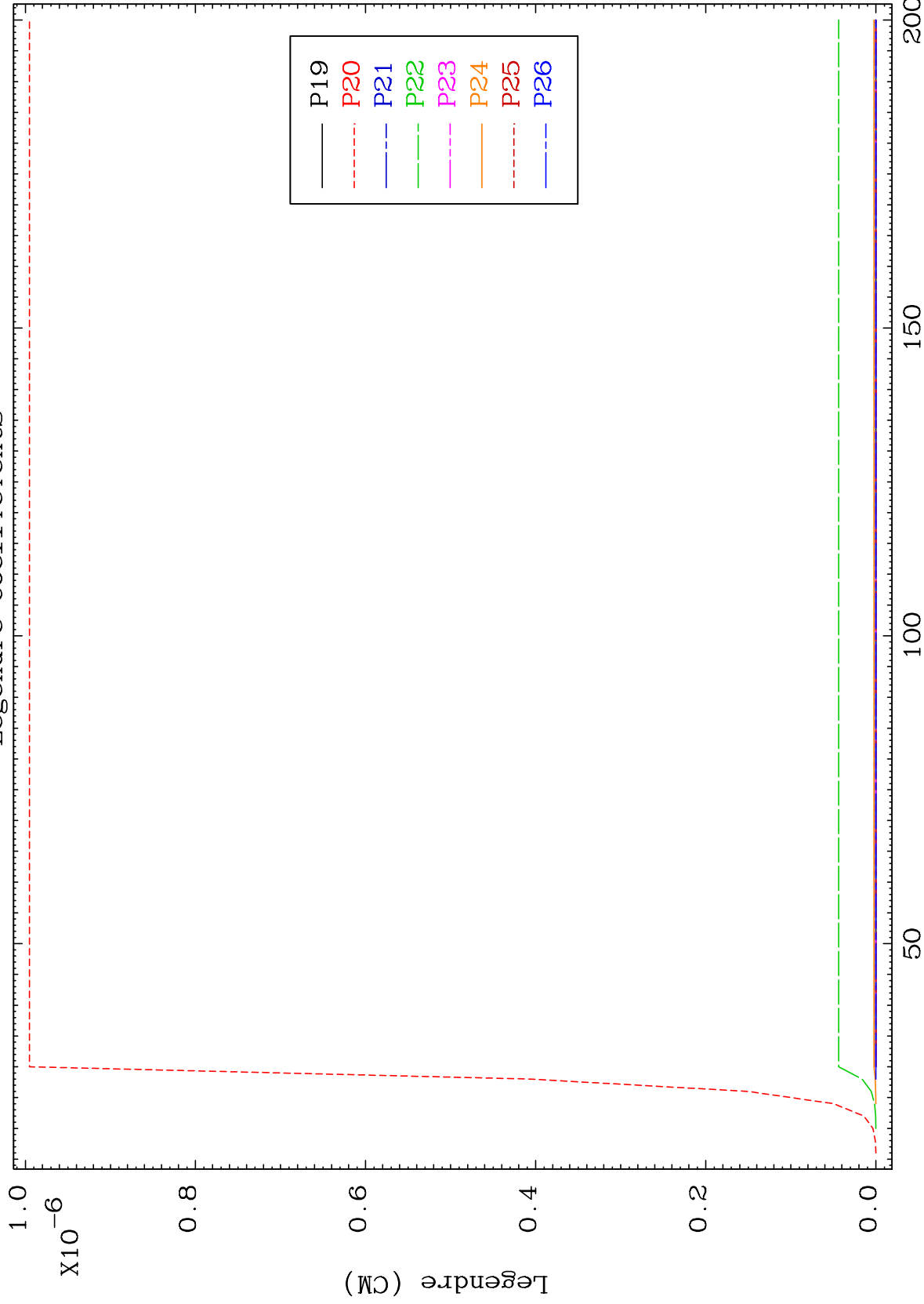
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



95

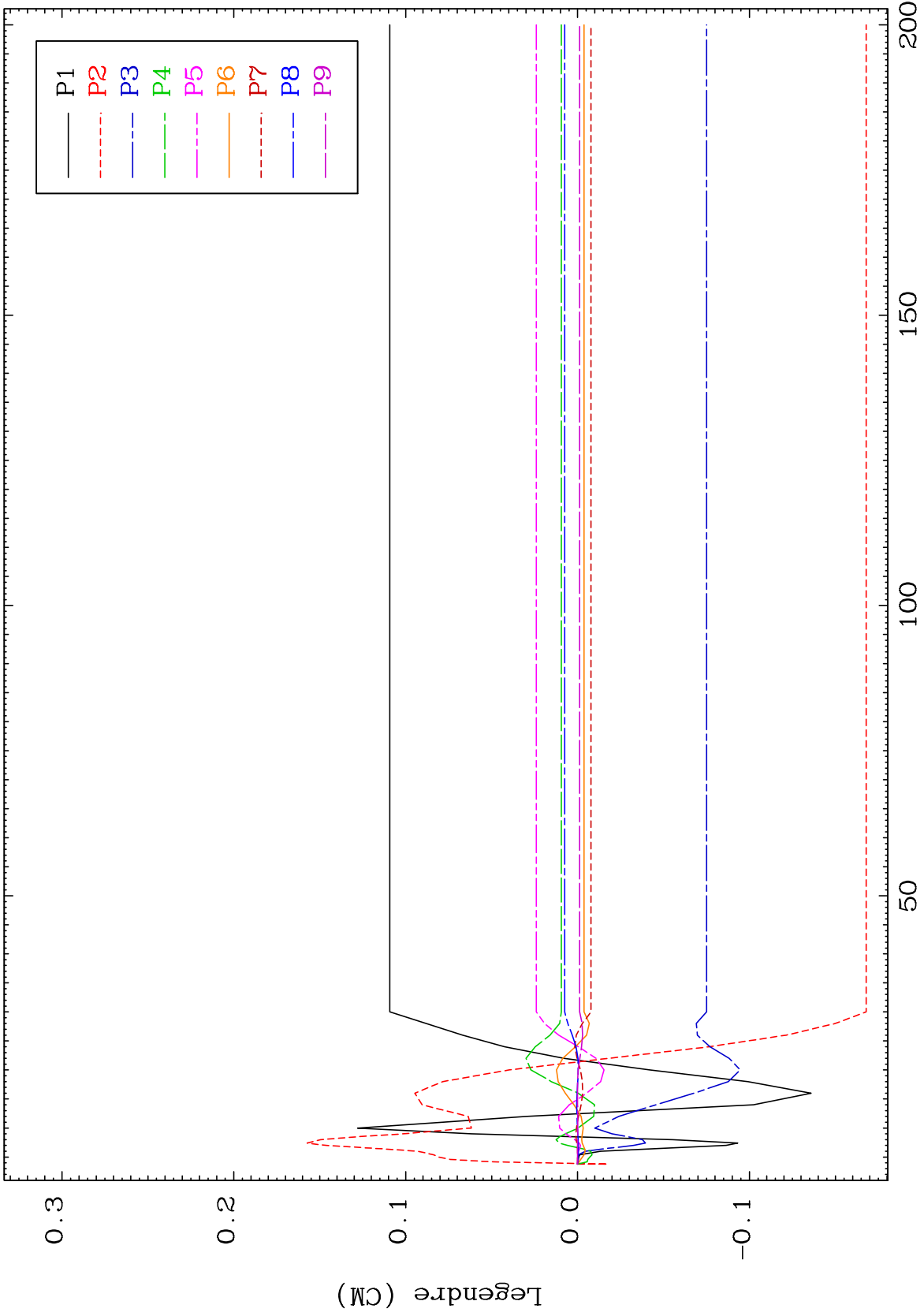
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



96

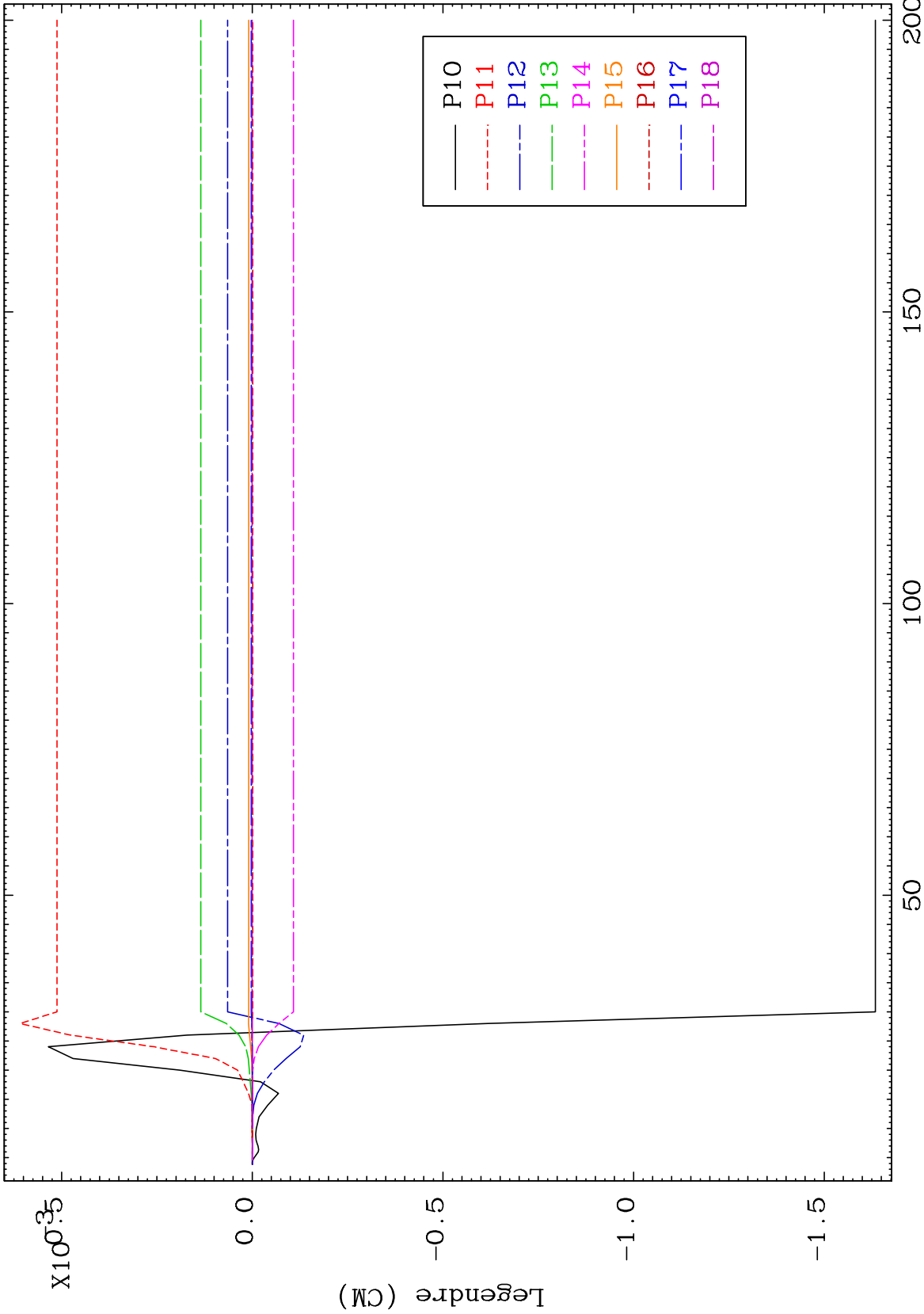
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



97

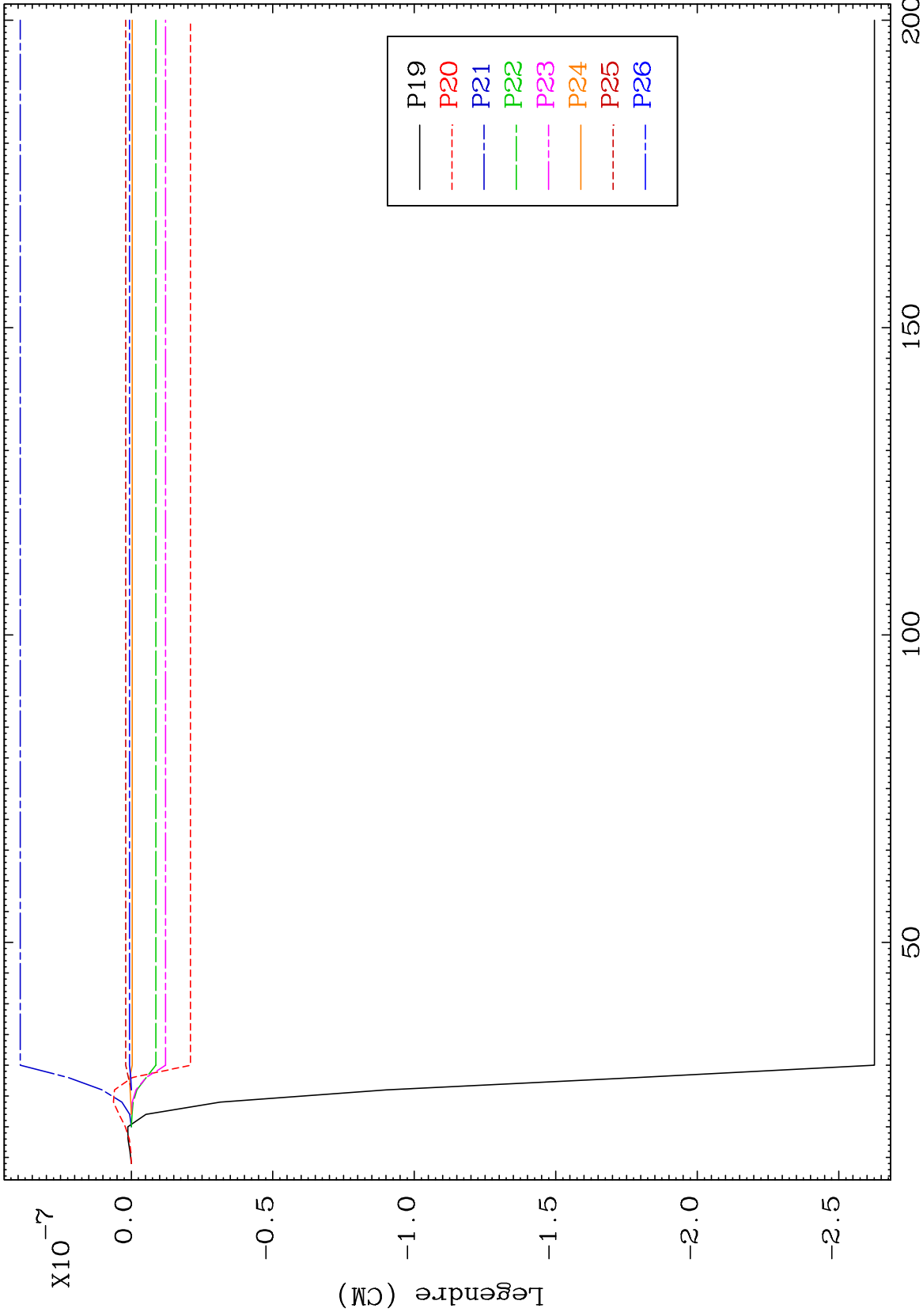
Incident Energy (MeV)

48-Cd-120

MAT 4867

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

48-Cd-120



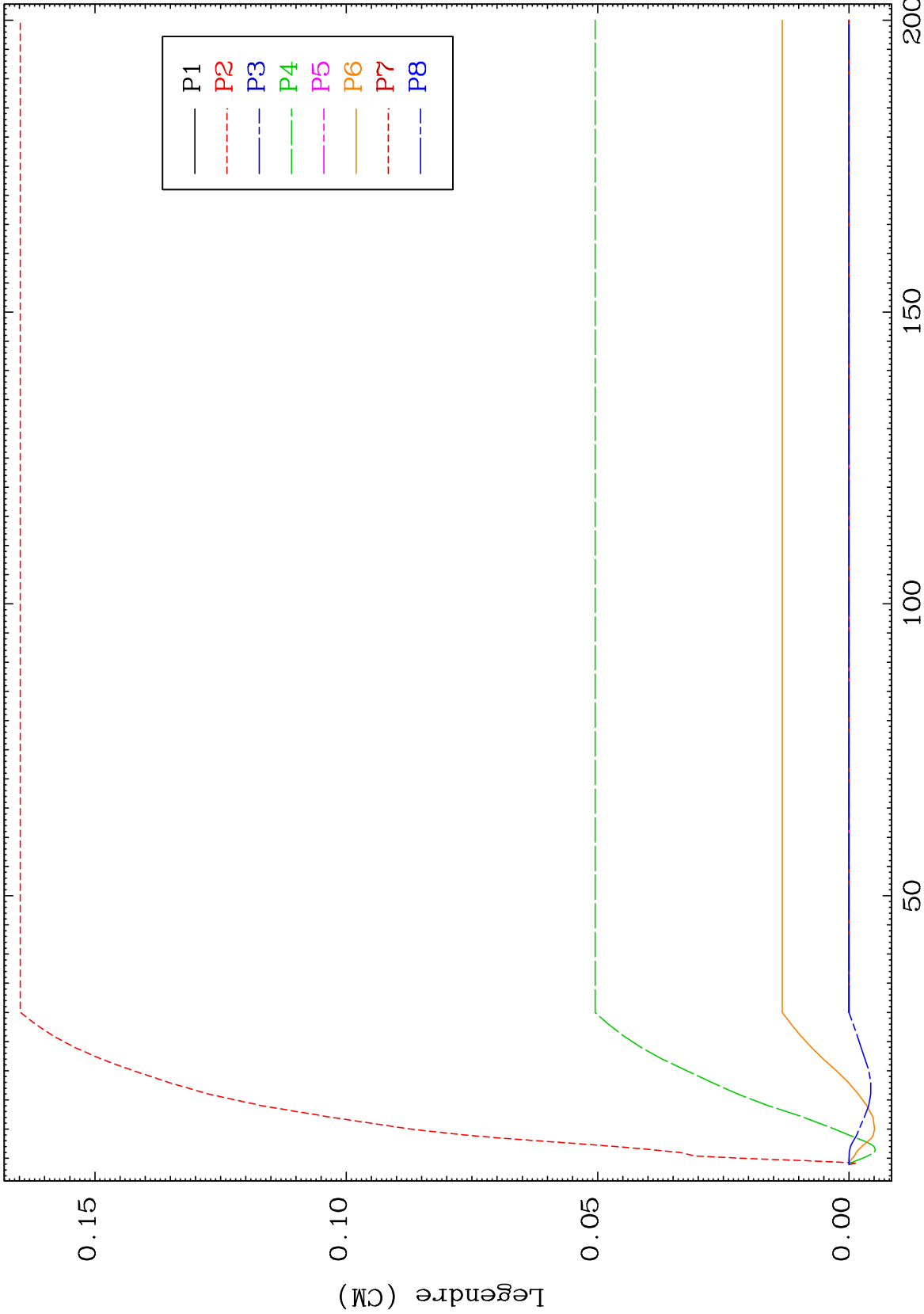
98

48-Cd-120

MAT 4867

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

48-Cd-120

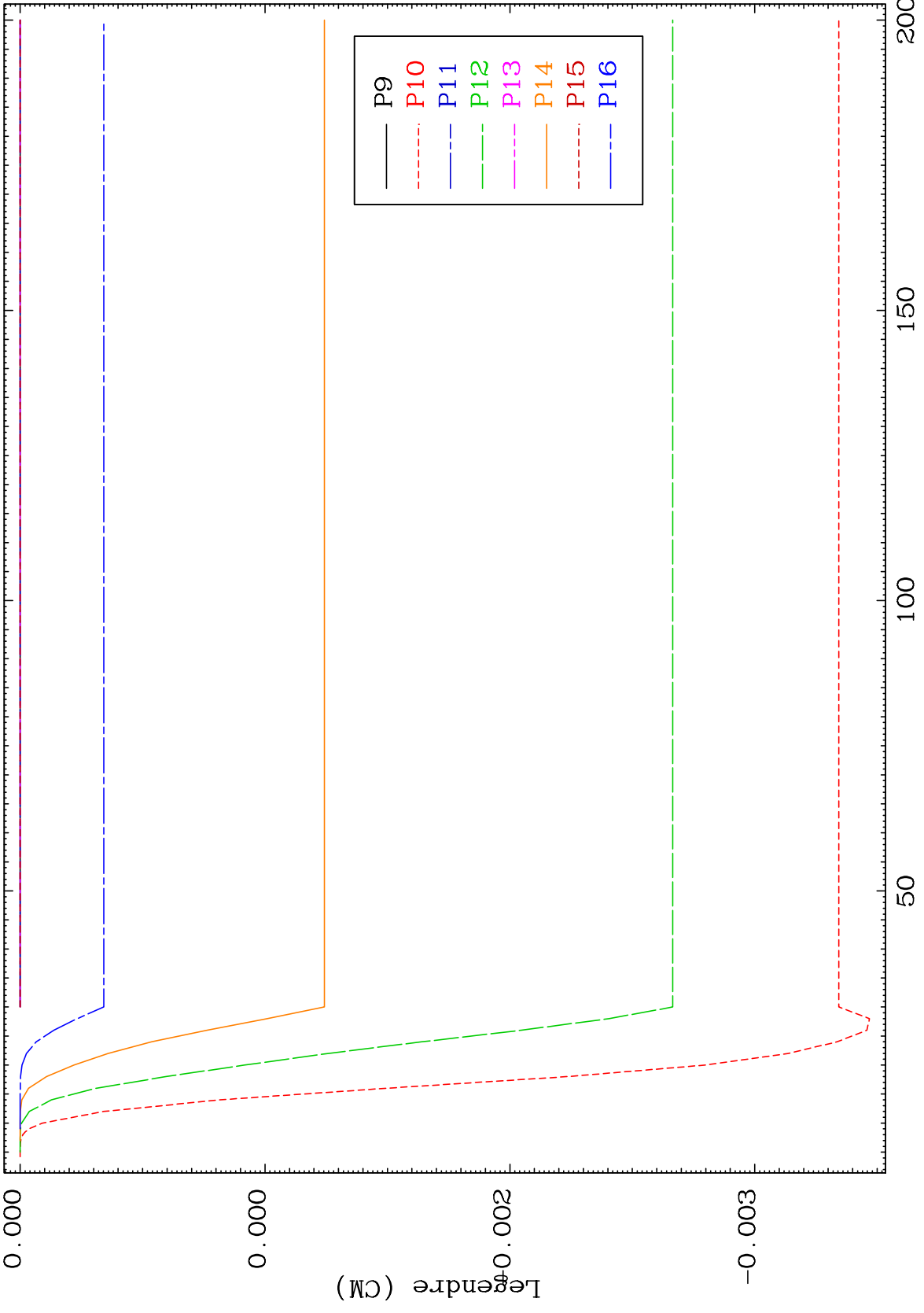


99

Incident Energy (MeV)

48-Cd-120

MAT 4867 MT= 74 (n,n') Level Legendre Coefficients 48-Cd-120

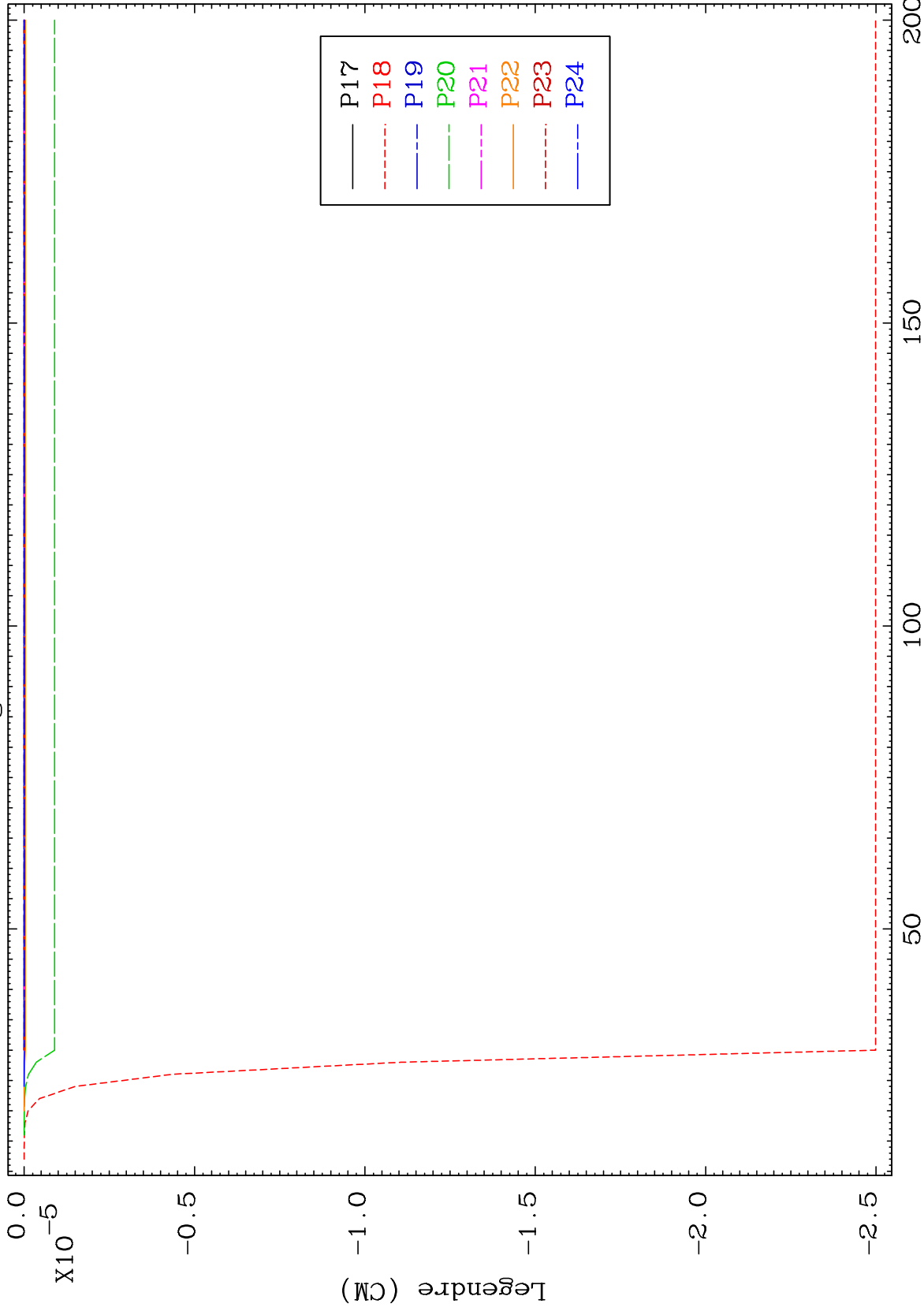


48-Cd-120

MAT 4867

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

48-Cd-120



101

Incident Energy (MeV)

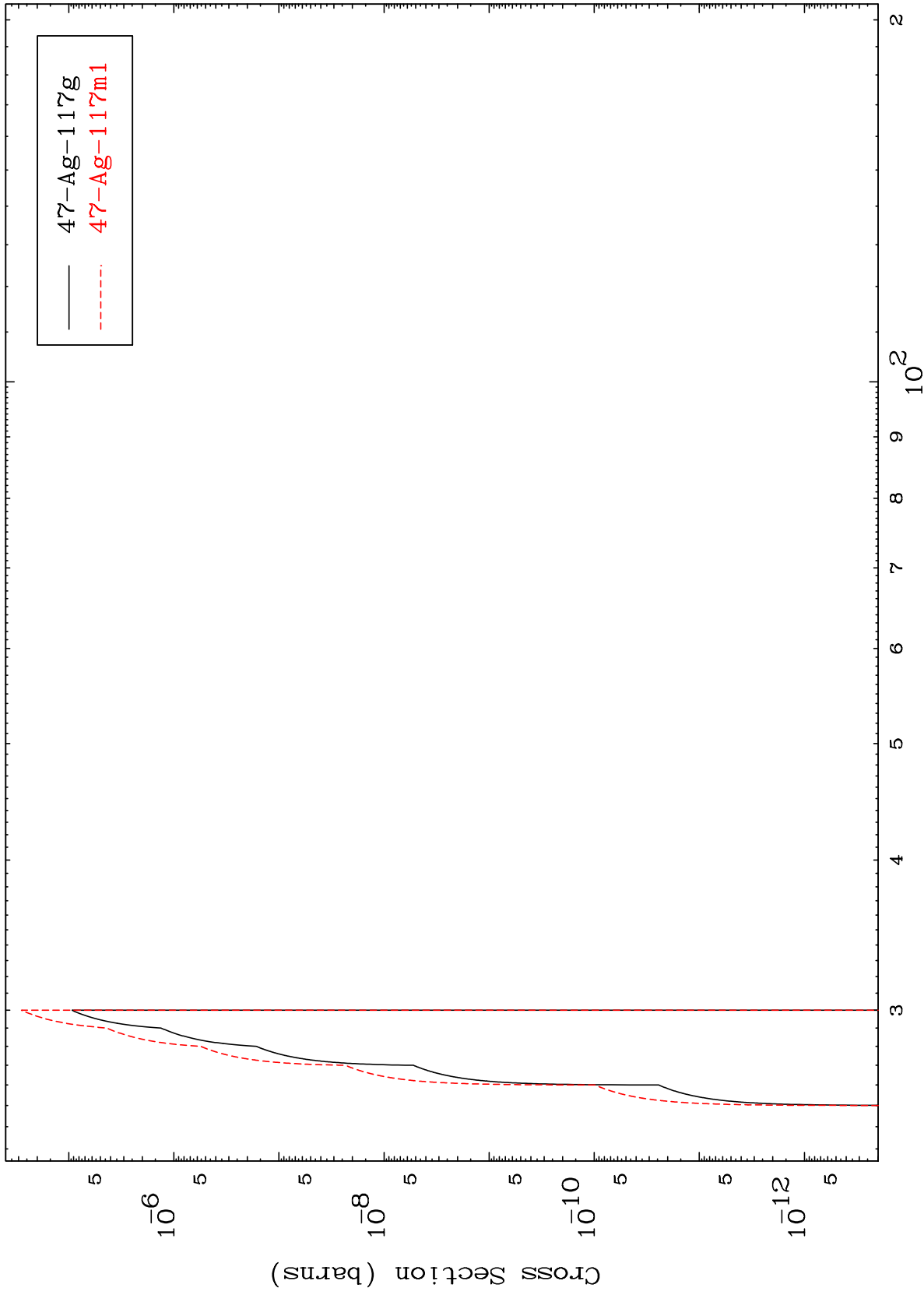
48-Cd-120

MAT 4867

(n,2n) d

48-Cd-120

Radionuclide Production Cross Section



102

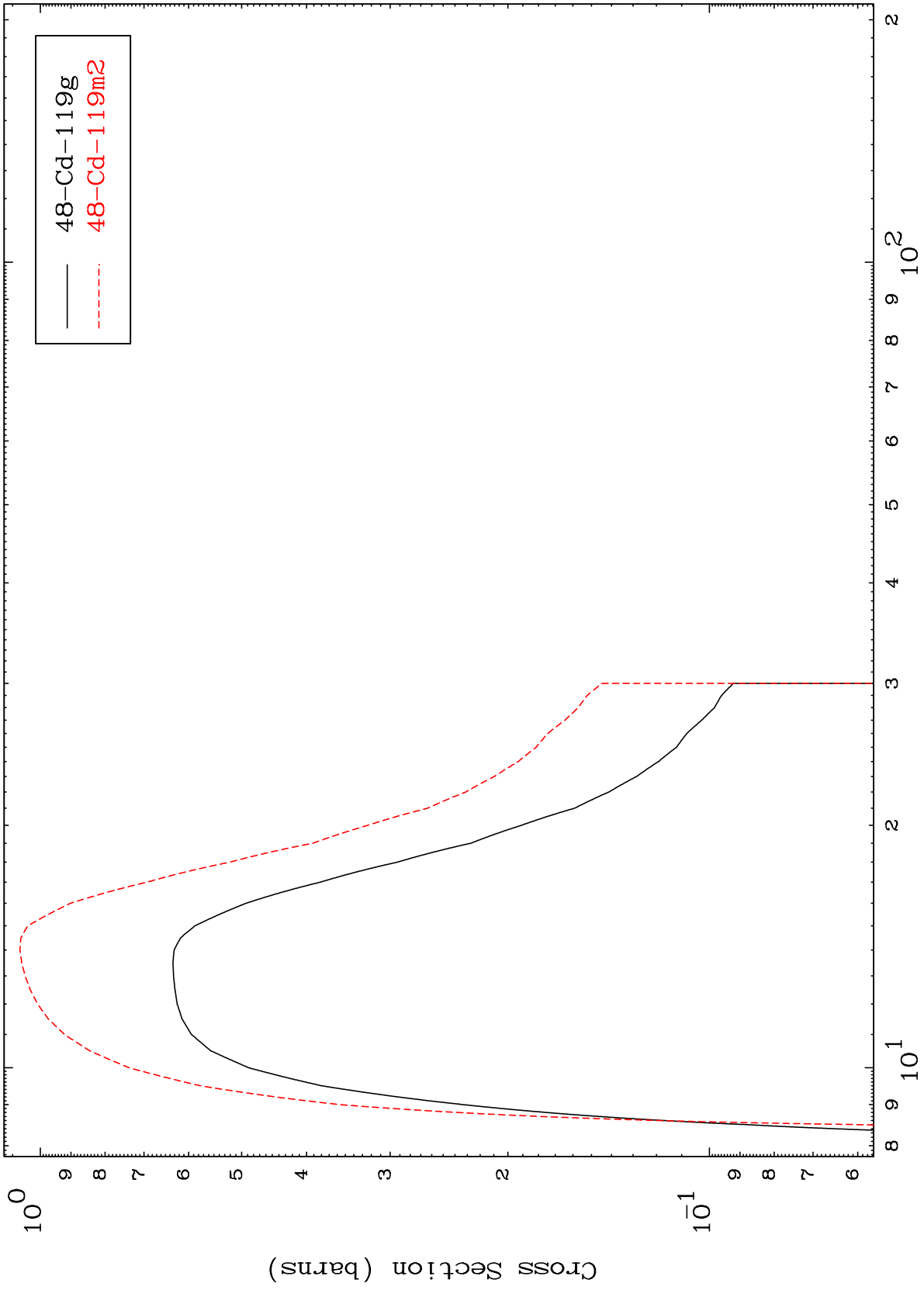
Incident Energy (MeV)

48-Cd-120

MAT 4867

48-Cd-120

(n,2n)  
Radionuclide Production Cross Section



103

Incident Energy (MeV)

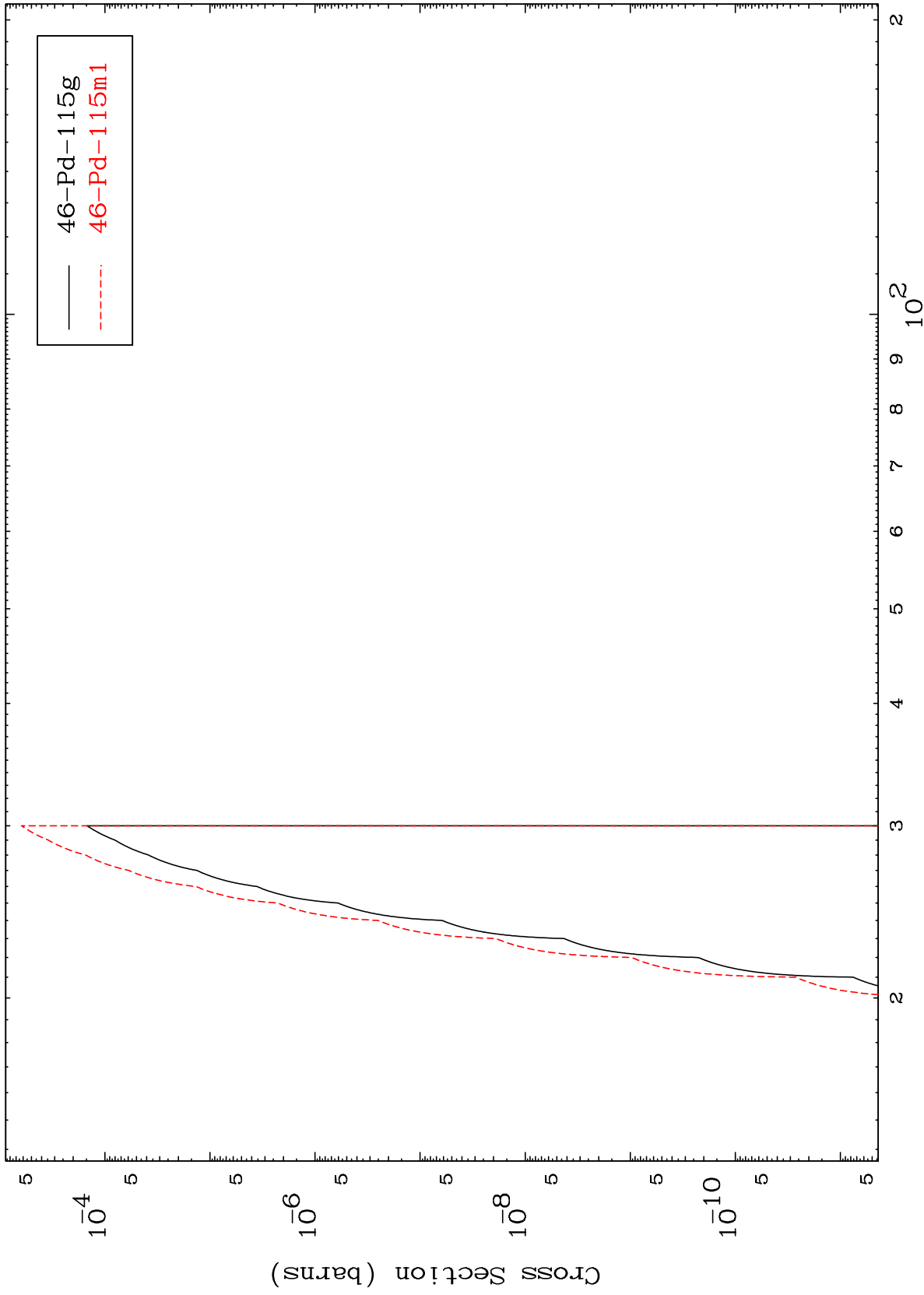
48-Cd-120

MAT 4867

(n,2n)  $\alpha$

48-Cd-120

Radionuclide Production Cross Section



104

Incident Energy (MeV)

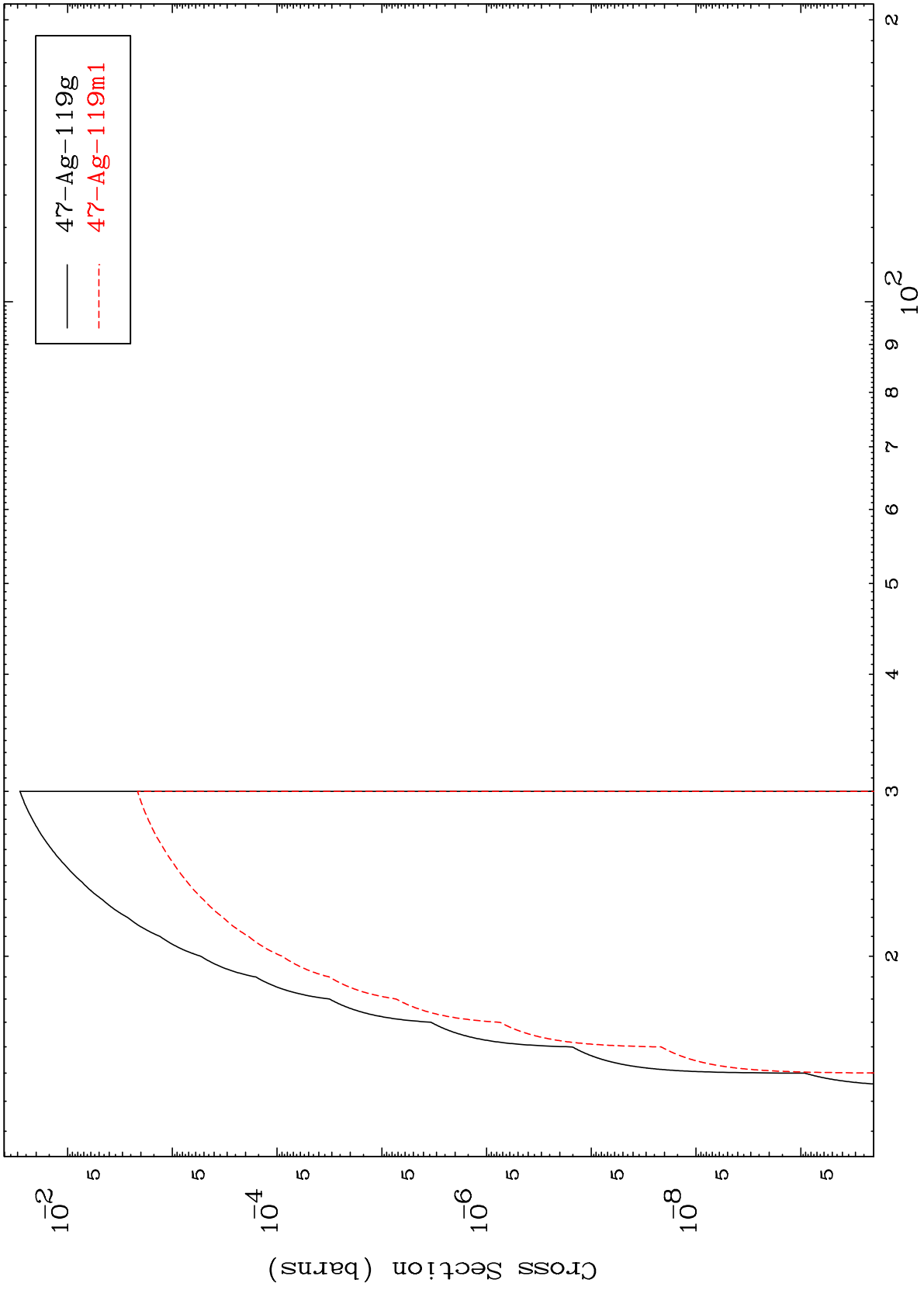
48-Cd-120

MAT 4867

(n,n') p

48-Cd-120

Radionuclide Production Cross Section



105

Incident Energy (MeV)

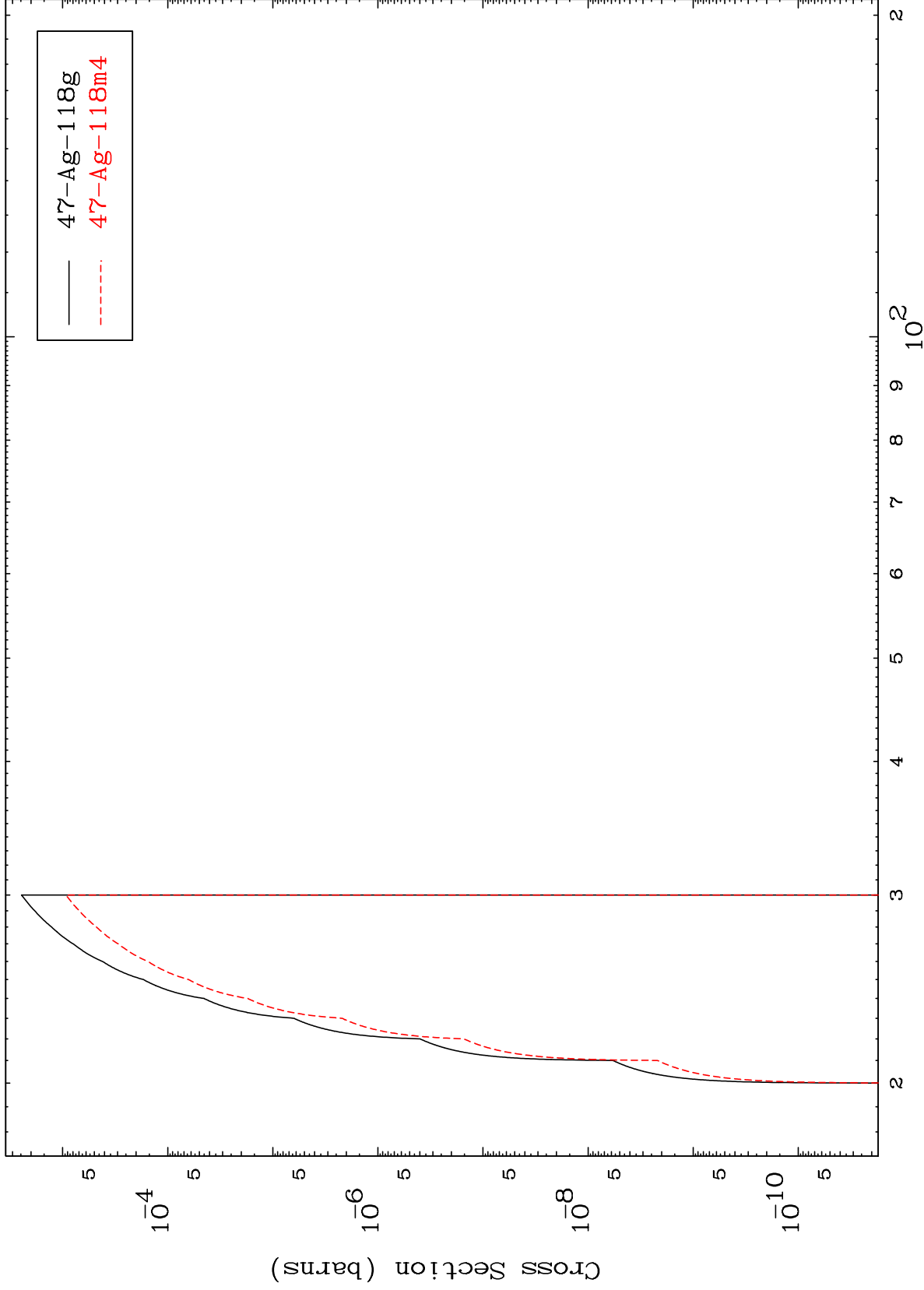
48-Cd-120

MAT 4867

(n,n') d

48-Cd-120

Radionuclide Production Cross Section



106

Incident Energy (MeV)

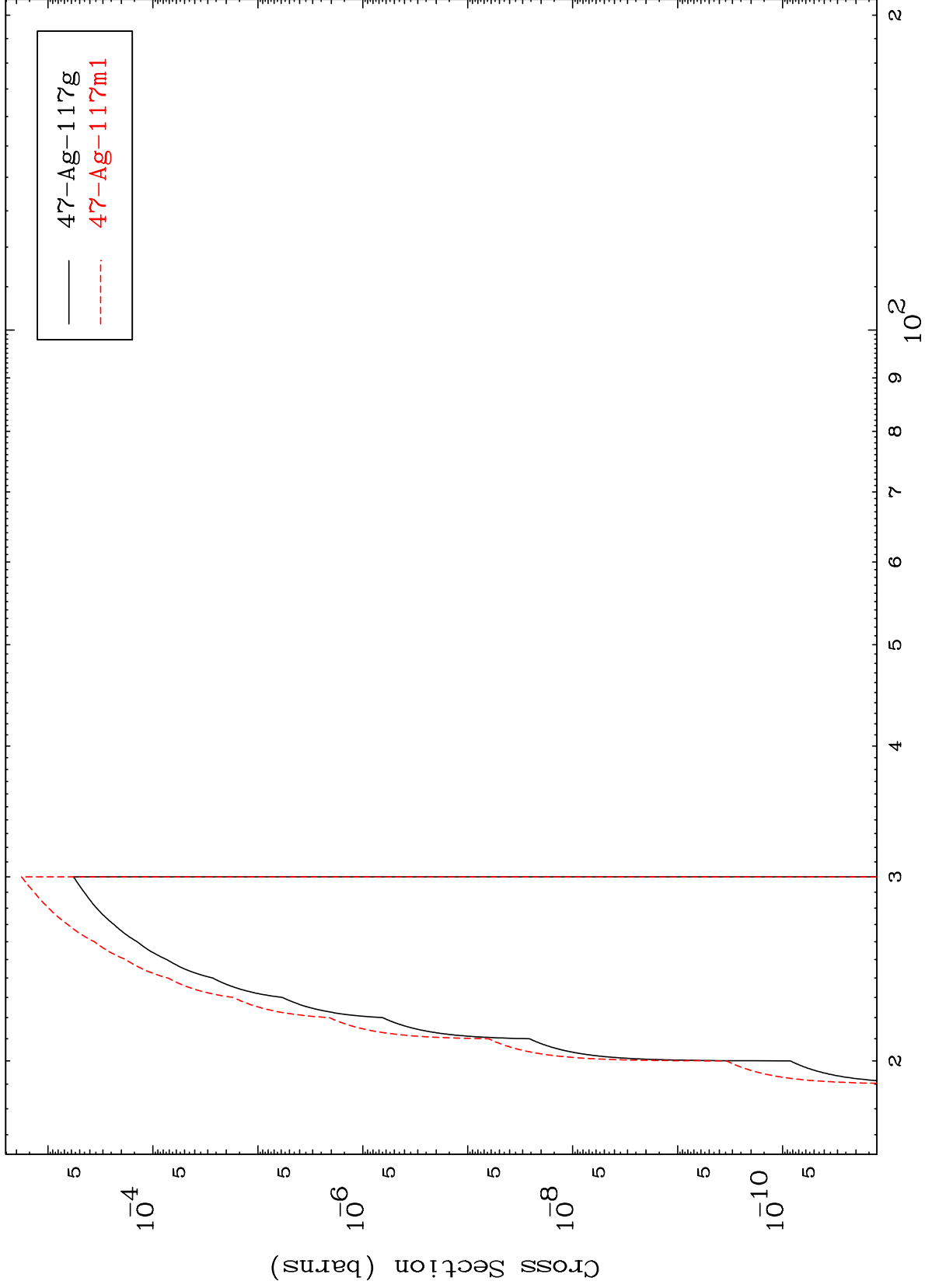
48-Cd-120

MAT 4867

(n,n') t

48-Cd-120

Radionuclide Production Cross Section



107

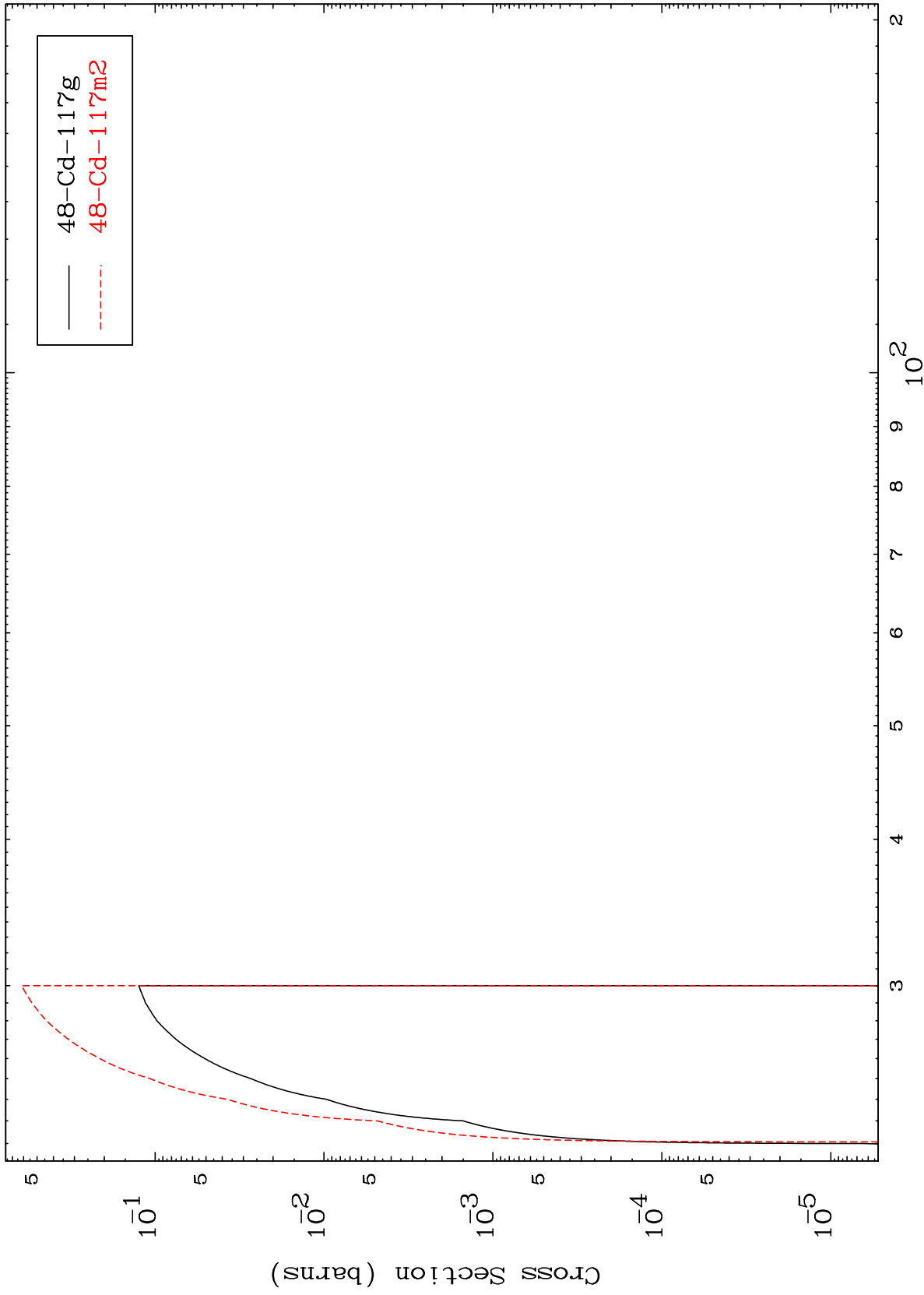
Incident Energy (MeV)

48-Cd-120

MAT 4867

48-Cd-120

(n,4n)  
Radionuclide Production Cross Section



108

Incident Energy (MeV)

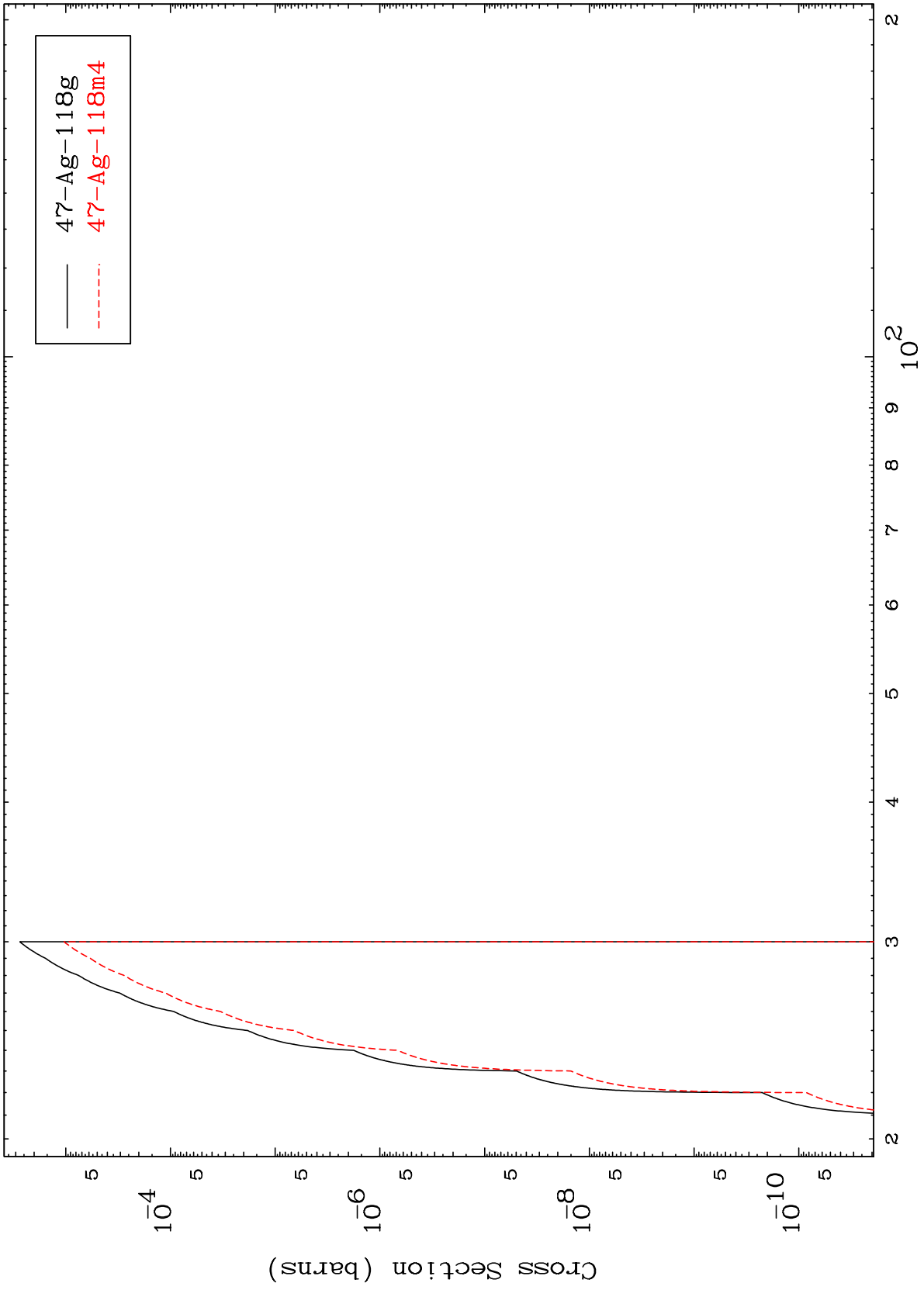
48-Cd-120

MAT 4867

(n,2n) p

48-Cd-120

Radionuclide Production Cross Section



109

Incident Energy (MeV)

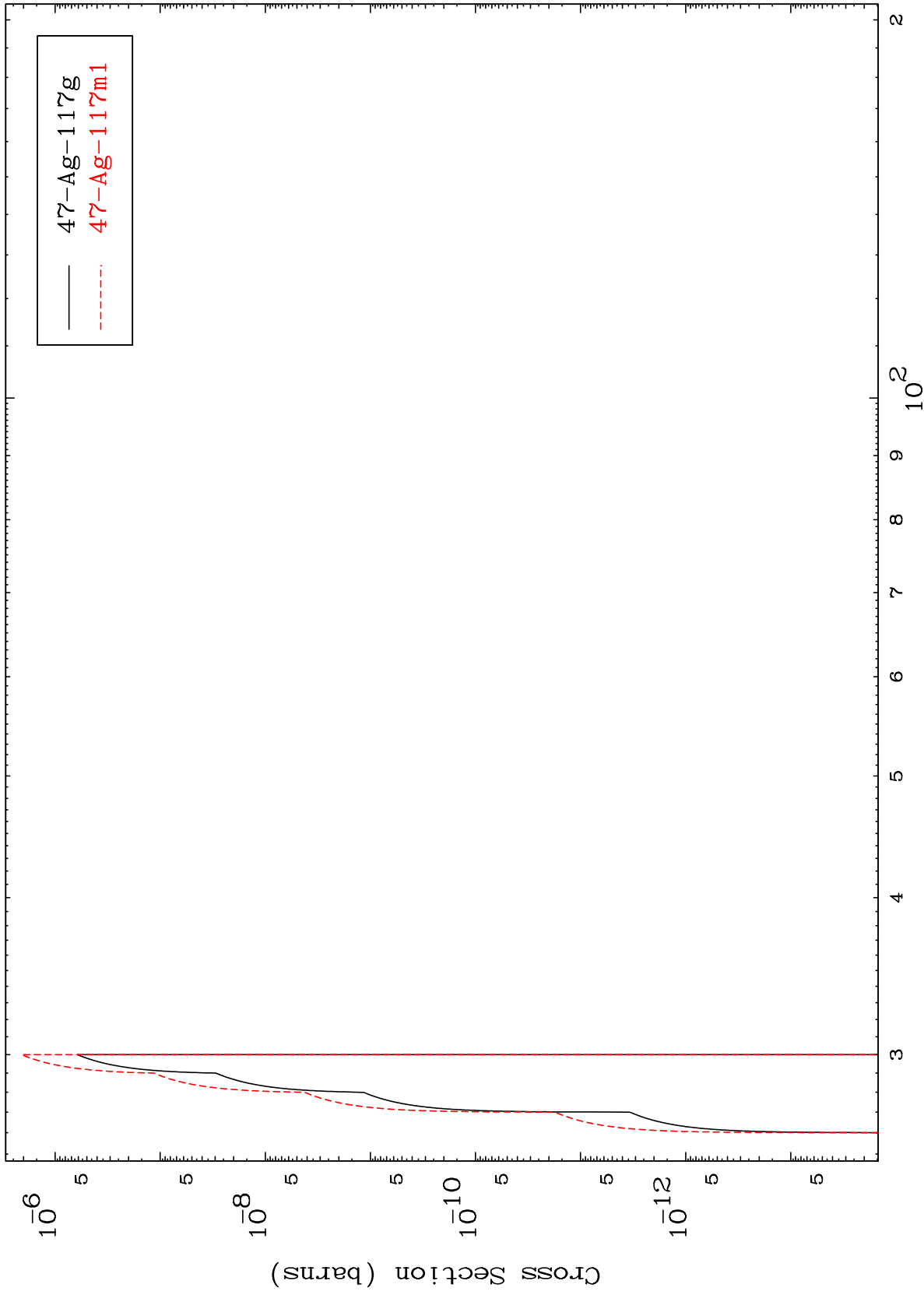
48-Cd-120

MAT 4867

(n,3n) p

48-Cd-120

Radionuclide Production Cross Section



110

Incident Energy (MeV)

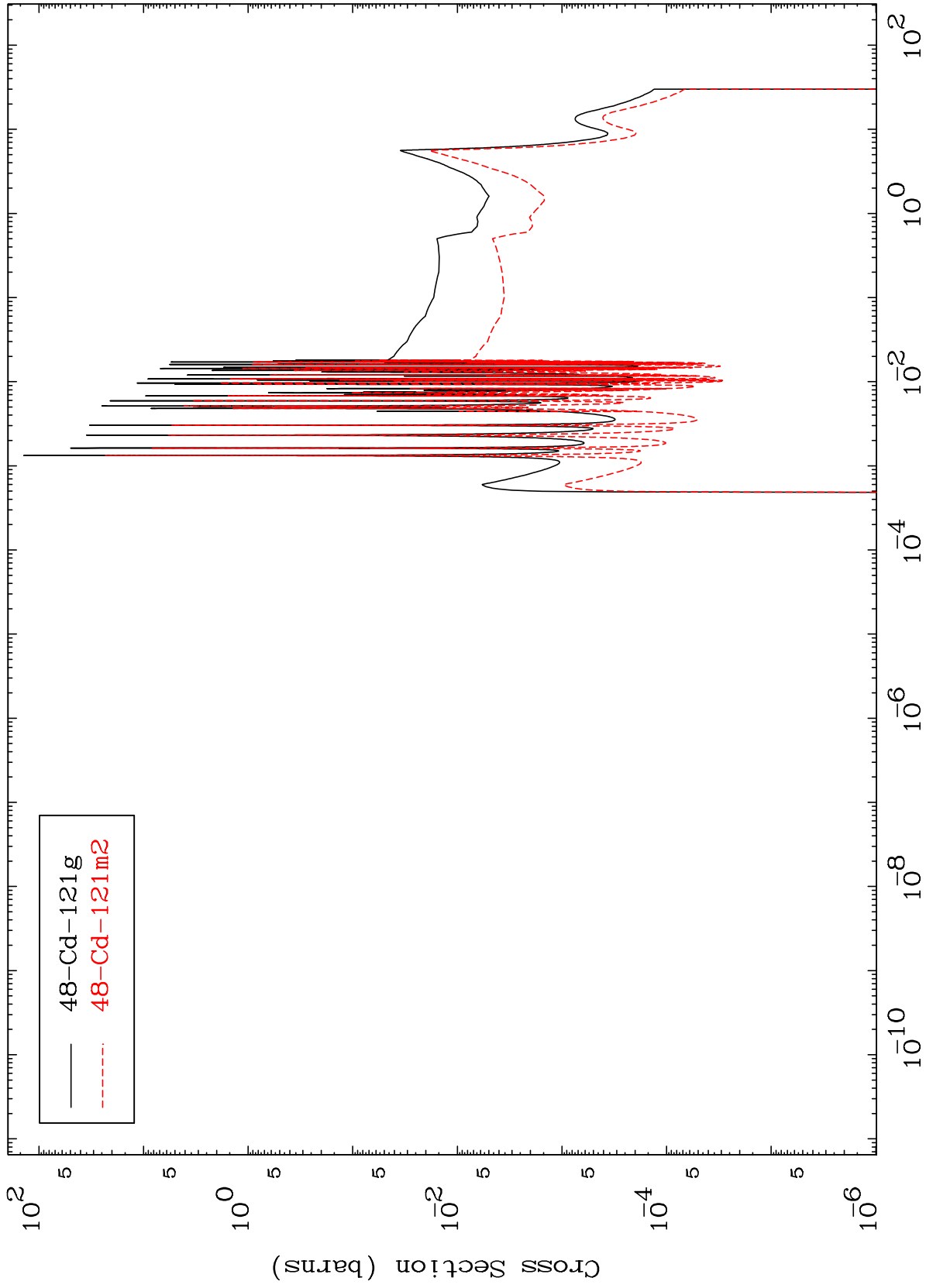
48-Cd-120

MAT 4867

(n,γ)

48-Cd-120

Radionuclide Production Cross Section



48-Cd-121g  
48-Cd-121m2

111

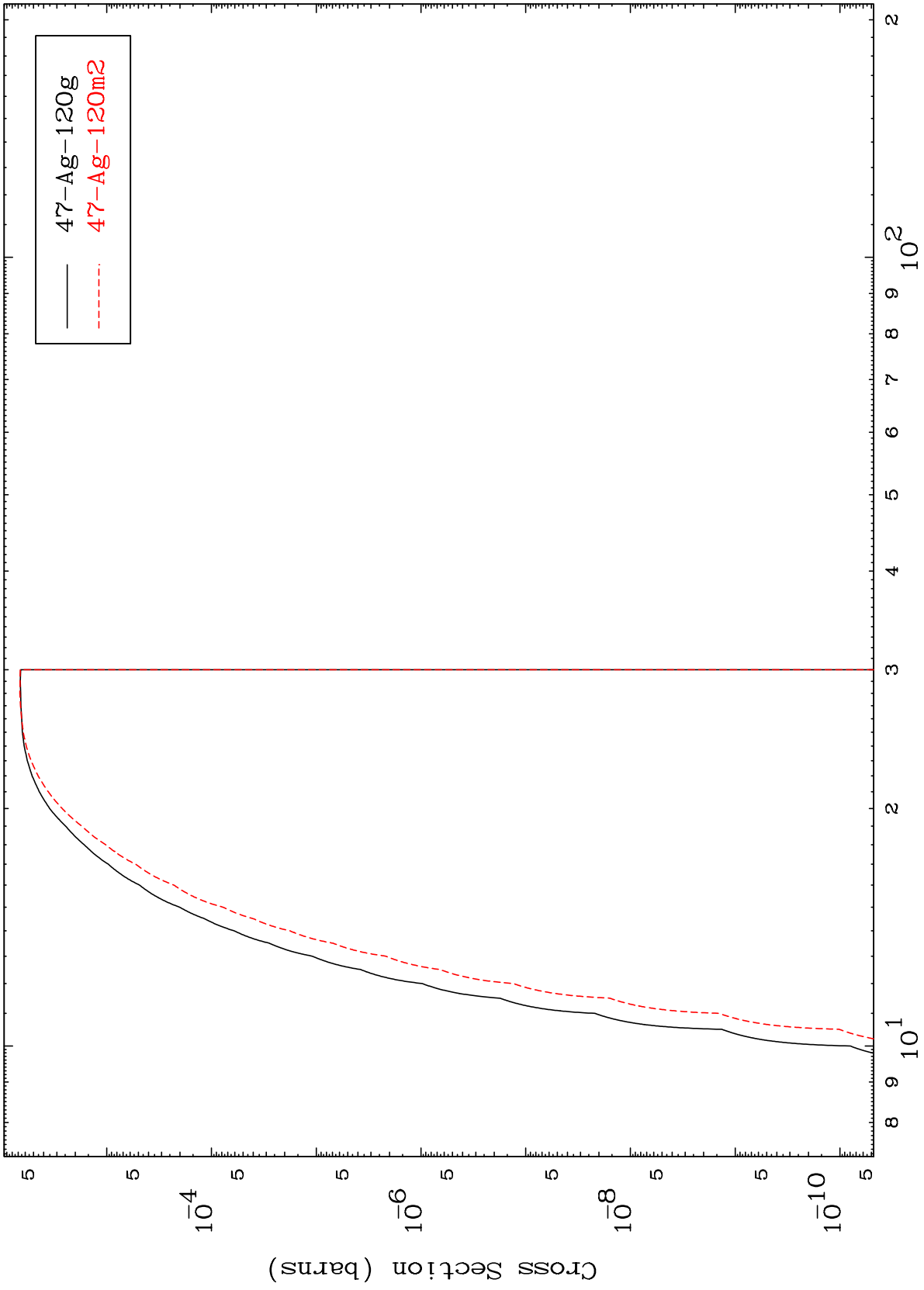
Incident Energy (MeV)

48-Cd-120

MAT 4867

48-Cd-120

(n,p)  
Radionuclide Production Cross Section



112

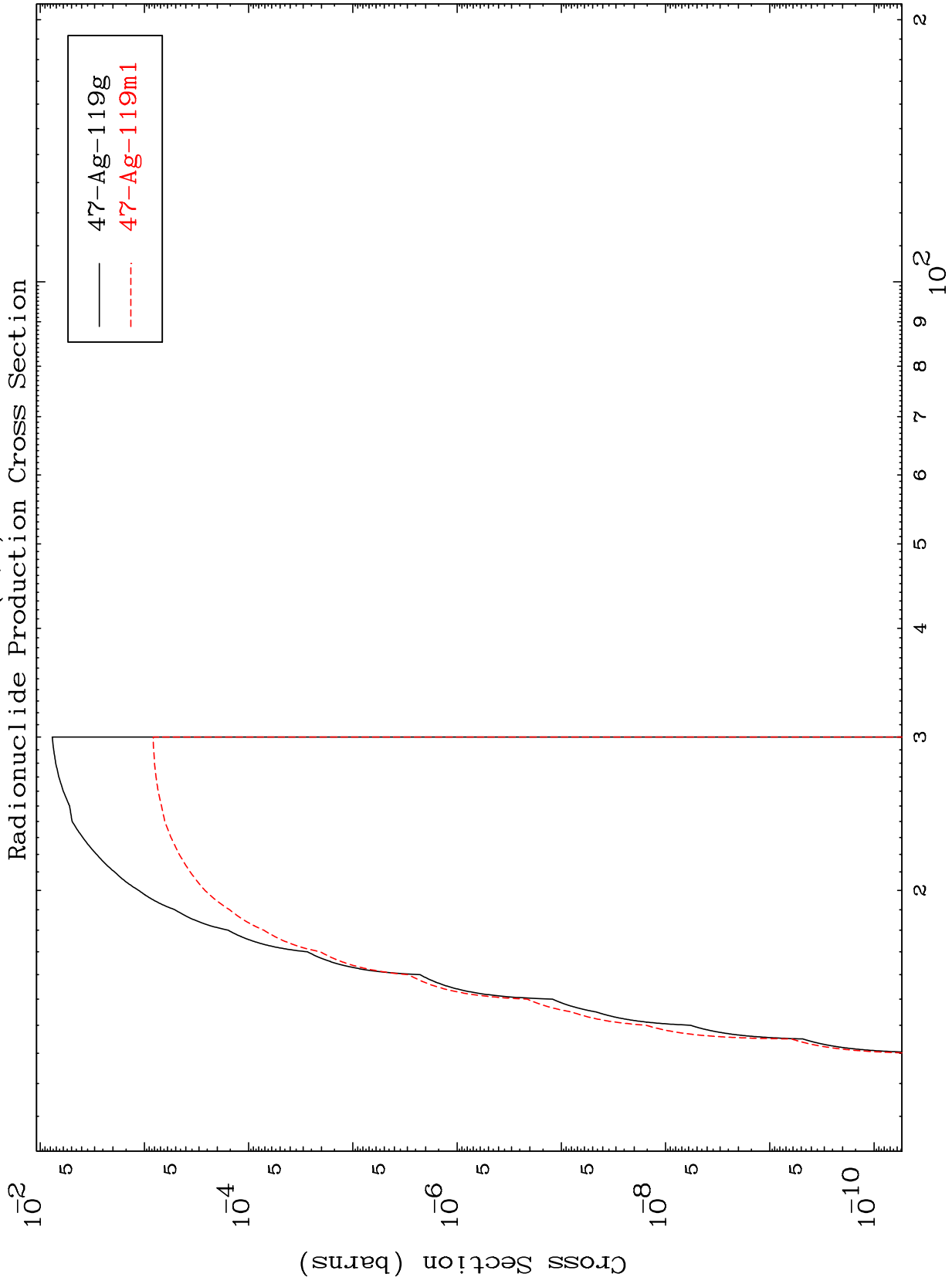
Incident Energy (MeV)

48-Cd-120

MAT 4867

(n,d)

48-Cd-120



113

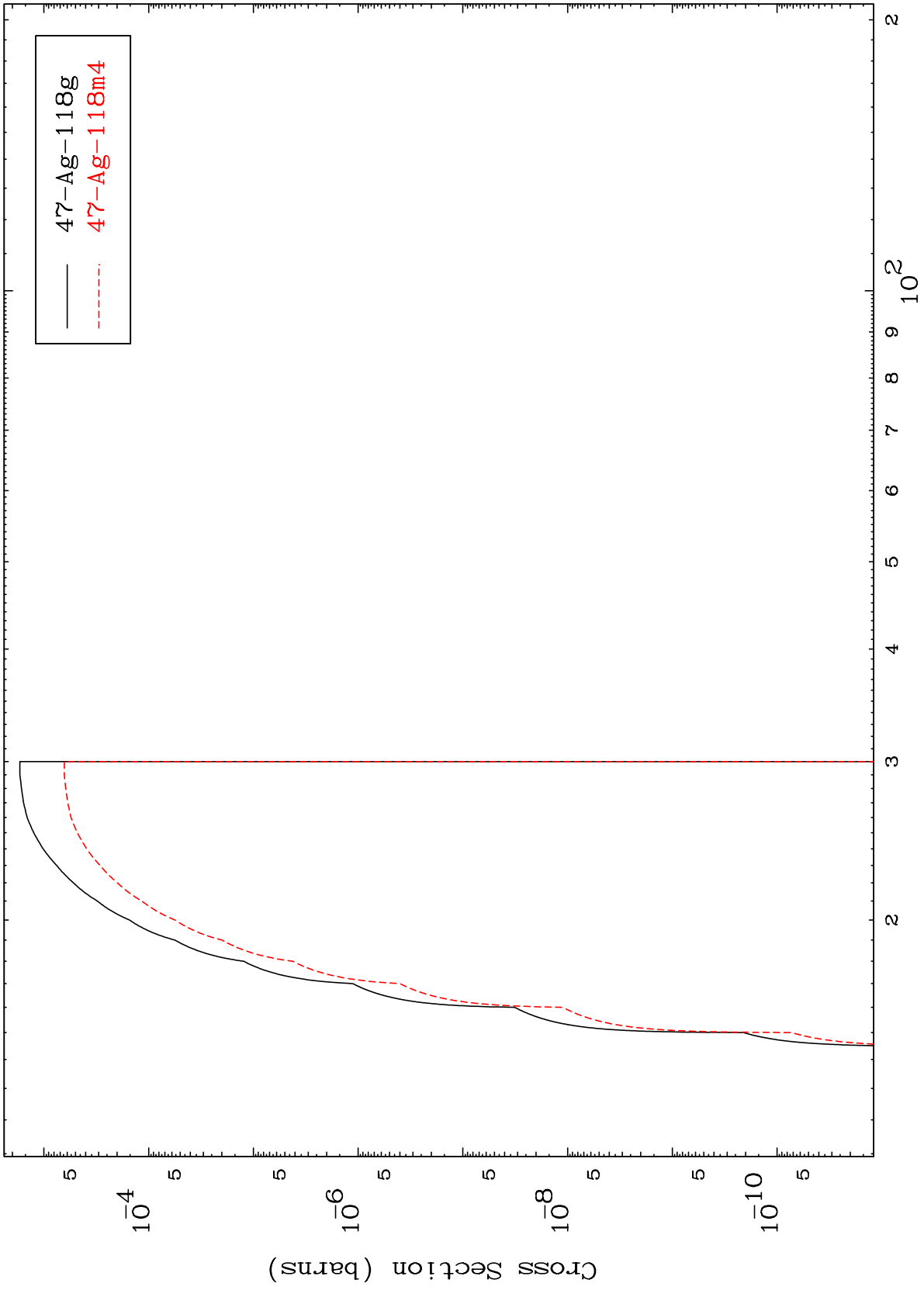
48-Cd-120

48-Cd-120

MAT 4867

(n, t)  
Radionuclide Production Cross Section

48-Cd-120



114

Incident Energy (MeV)

48-Cd-120