

Program EVALPLOT
(Version 2018-1)

by

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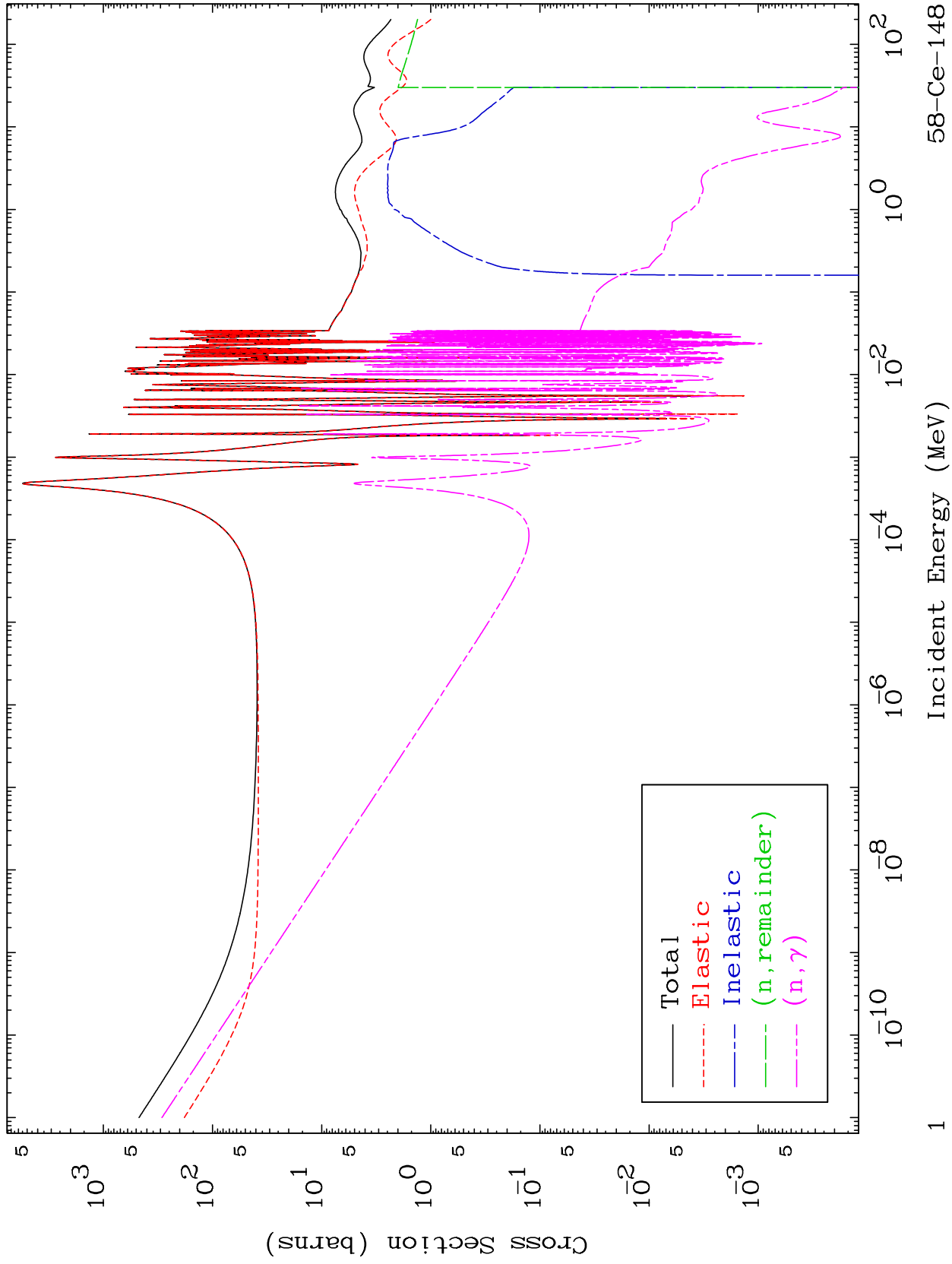
Press Mouse Button to Start

MAT 5861

Major

293 Kelvin Cross Sections

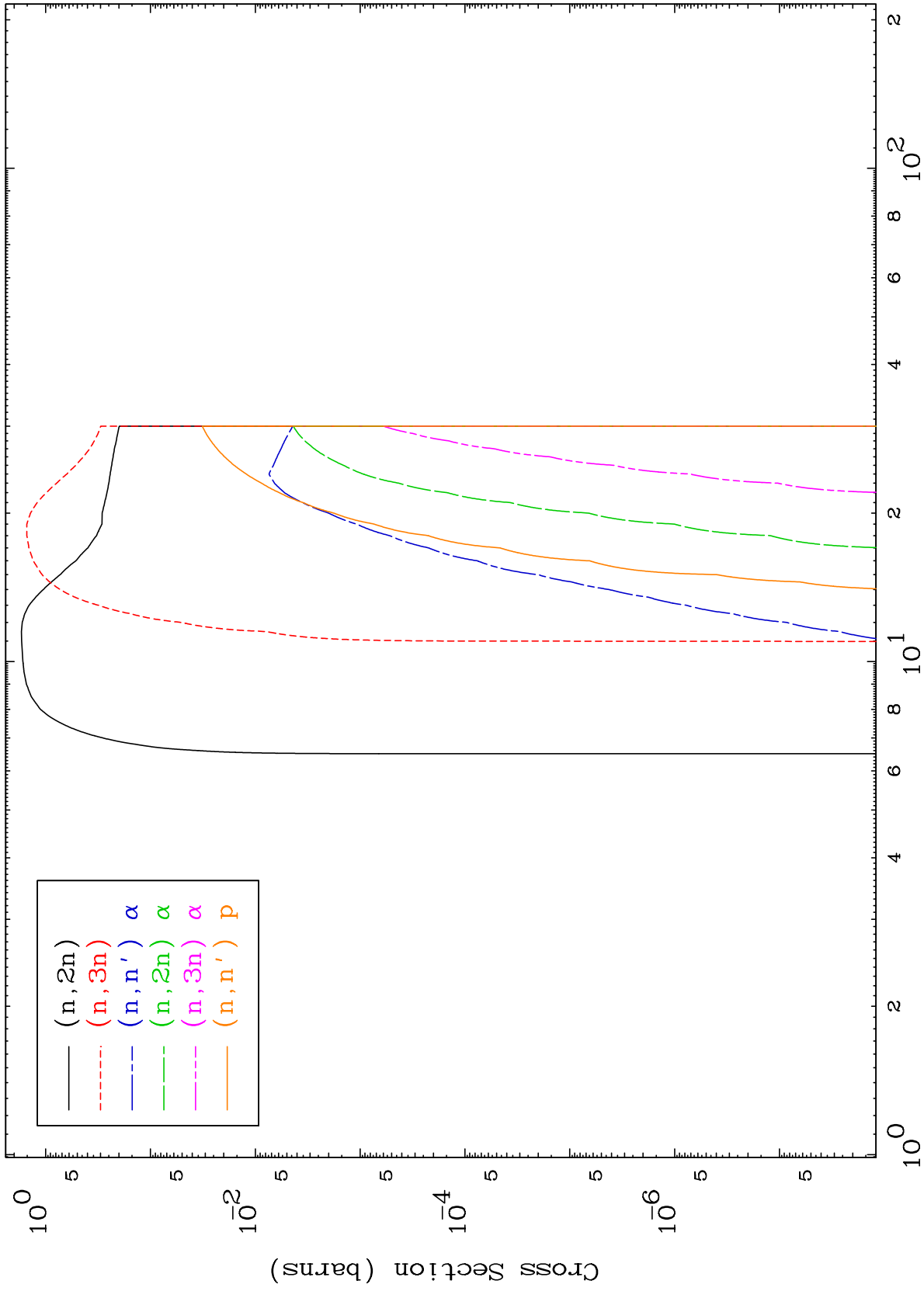
58-Ce-148



MAT 5861

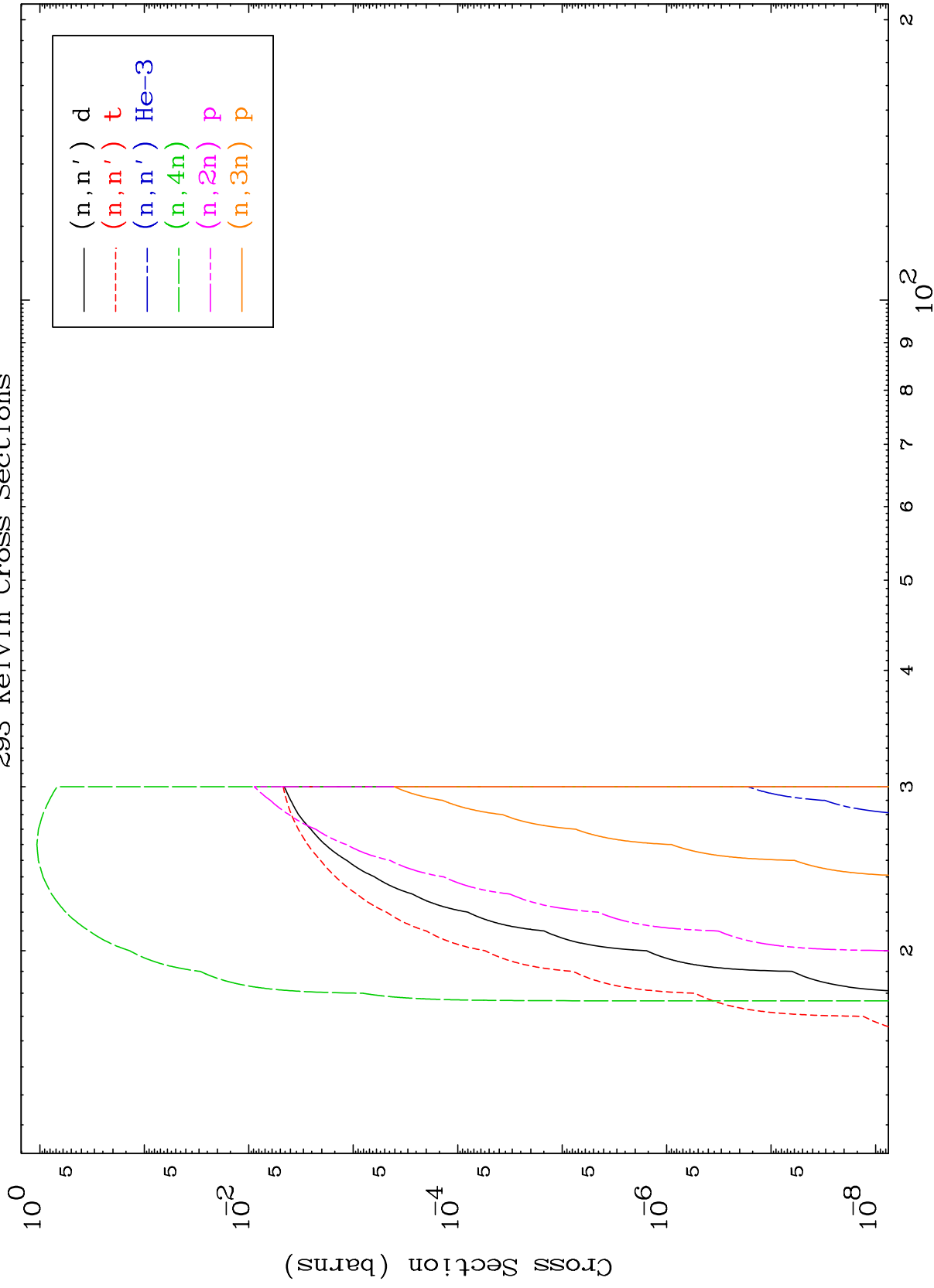
Neutron Production 293 Kelvin Cross Sections

58-Ce-148



Incident Energy (MeV)

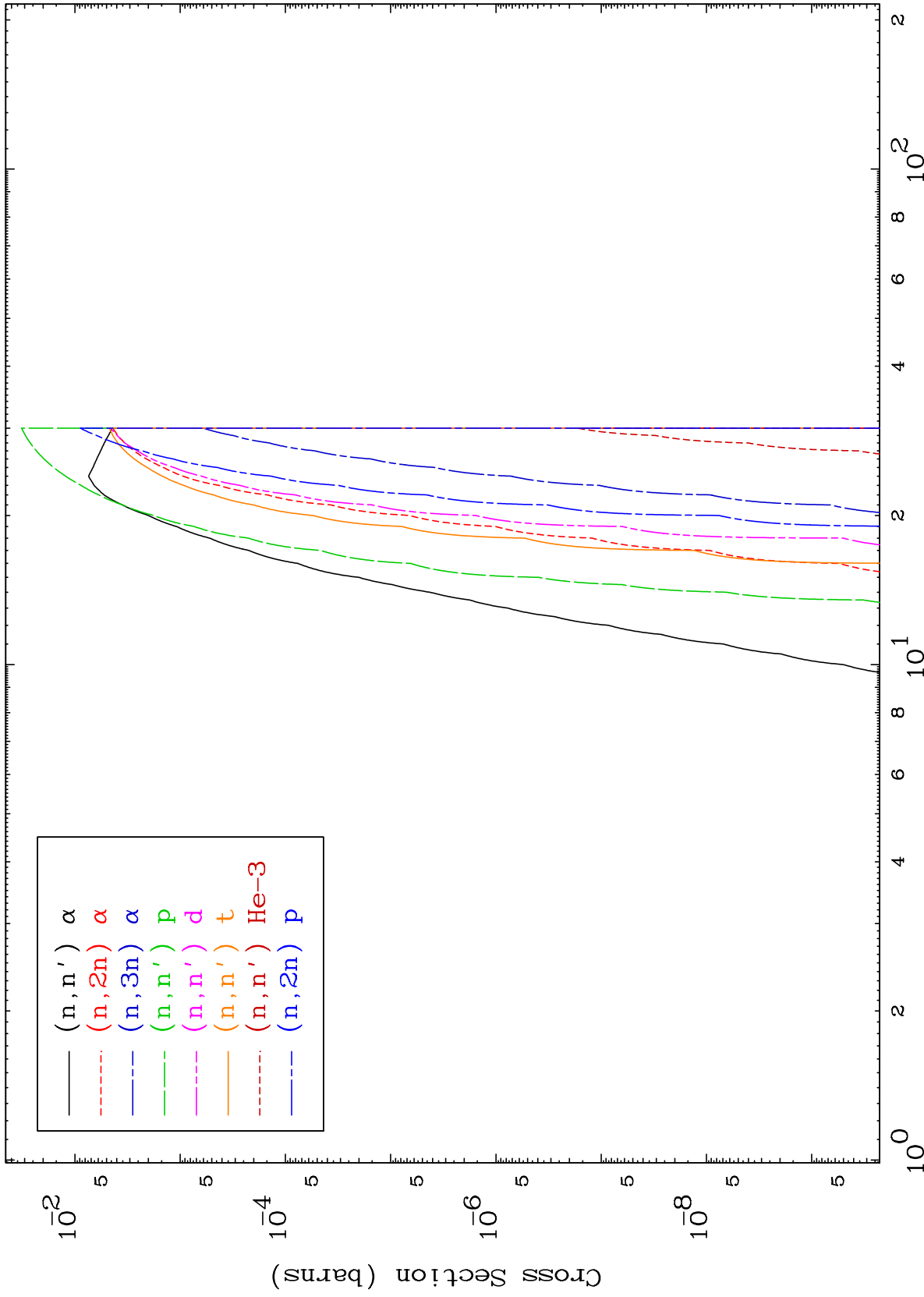
58-Ce-148



MAT 5861

293 Kelvin Cross Sections

58-Ce-148



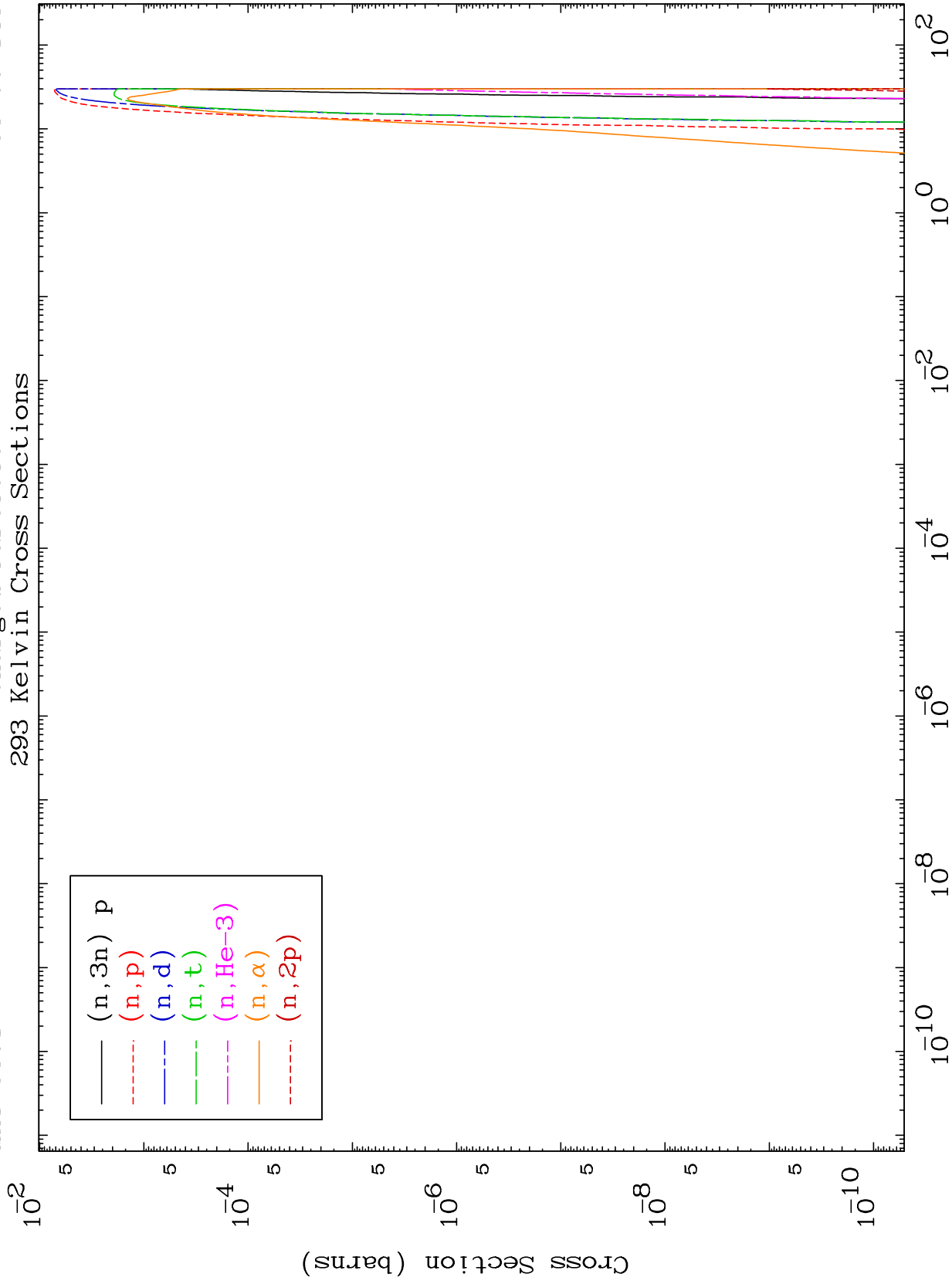
4

58-Ce-148

MAT 5861

Charged Particle
293 Kelvin Cross Sections

58-Ce-148



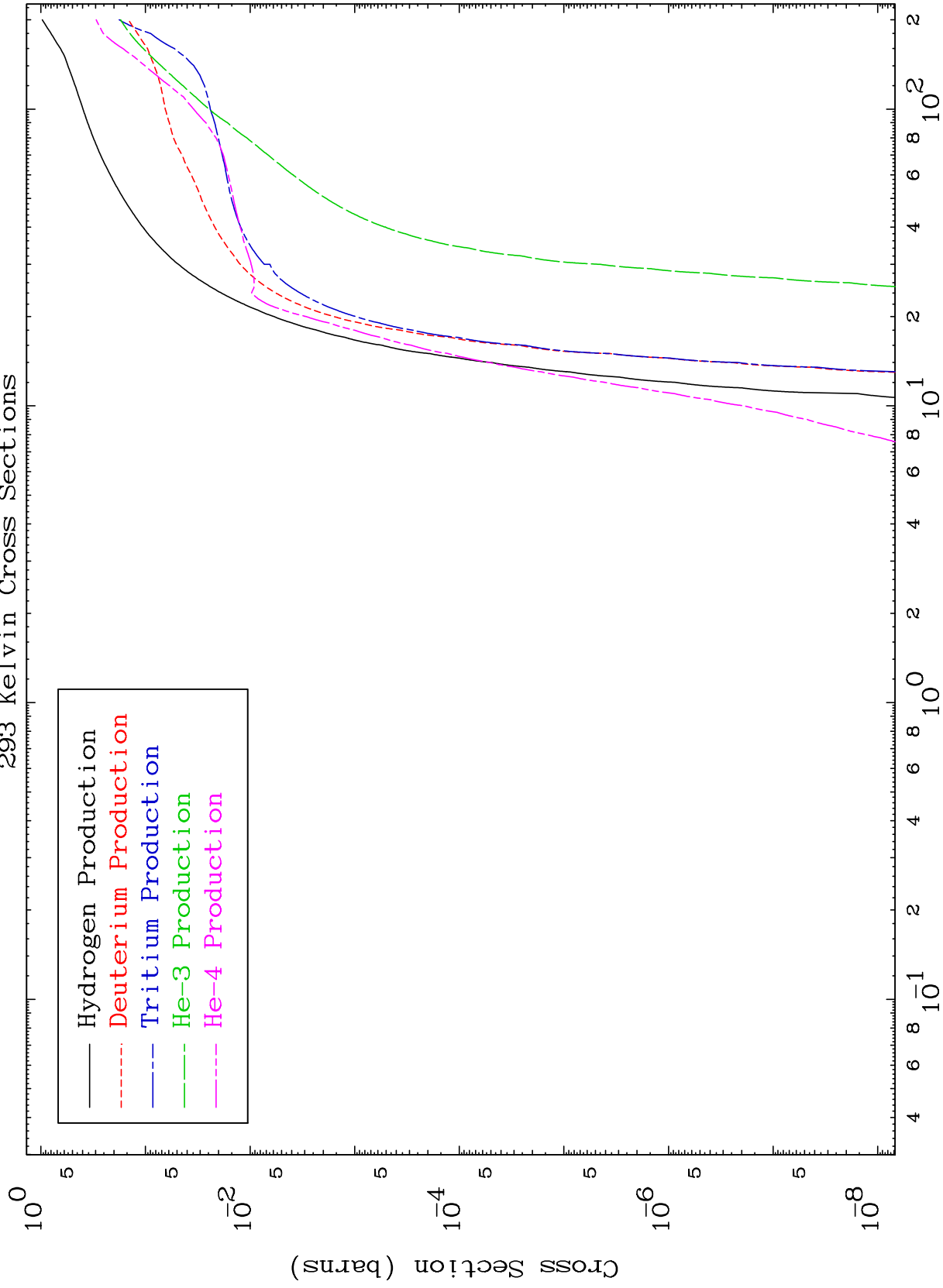
5

58-Ce-148

MAT 5861

Particle Production
293 Kelvin Cross Sections

58-Ce-148



6

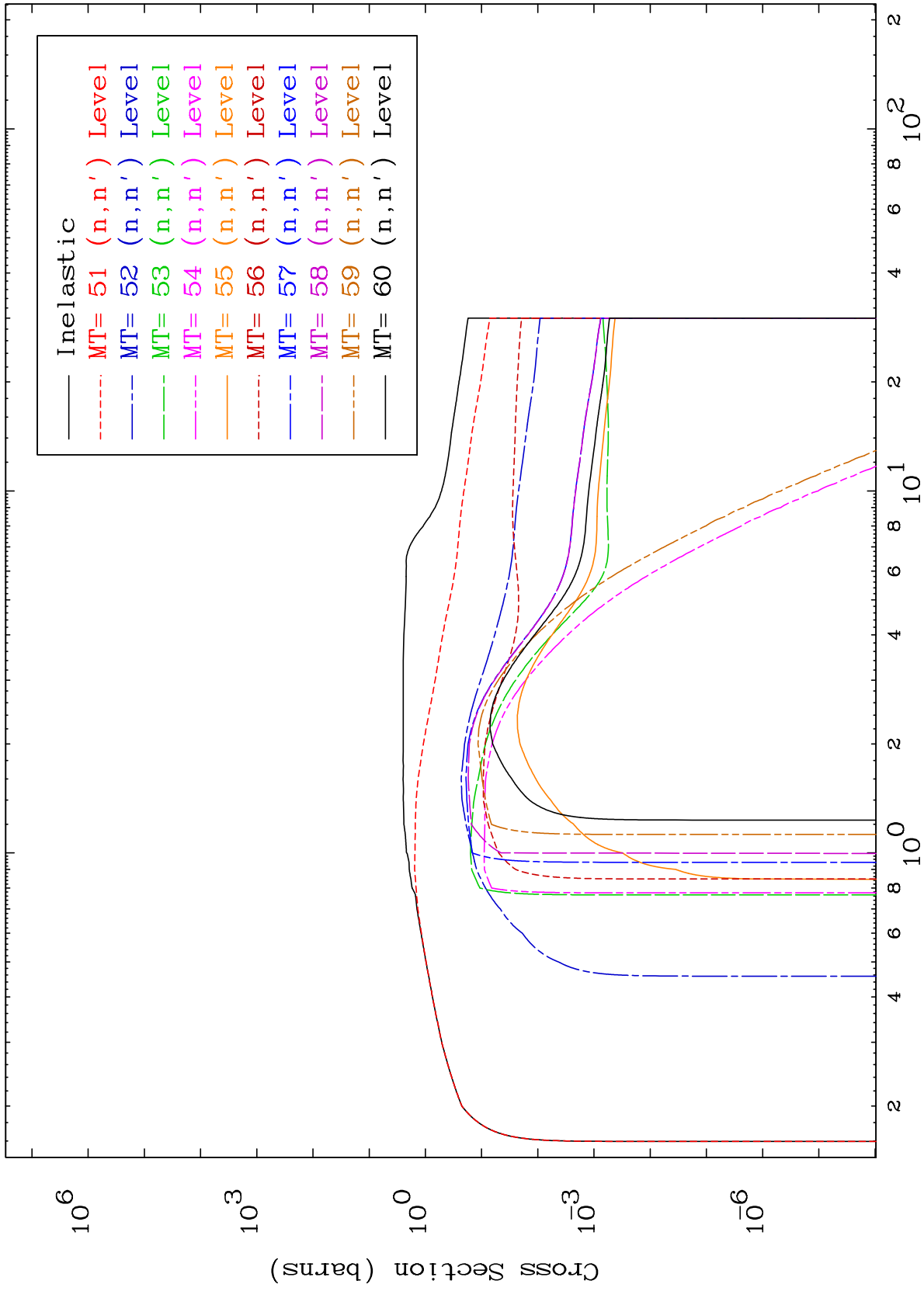
Incident Energy (MeV)

58-Ce-148

MAT 5861

(n,n') Level
293 Kelvin Cross Sections

58-Ce-148



7

Incident Energy (MeV)

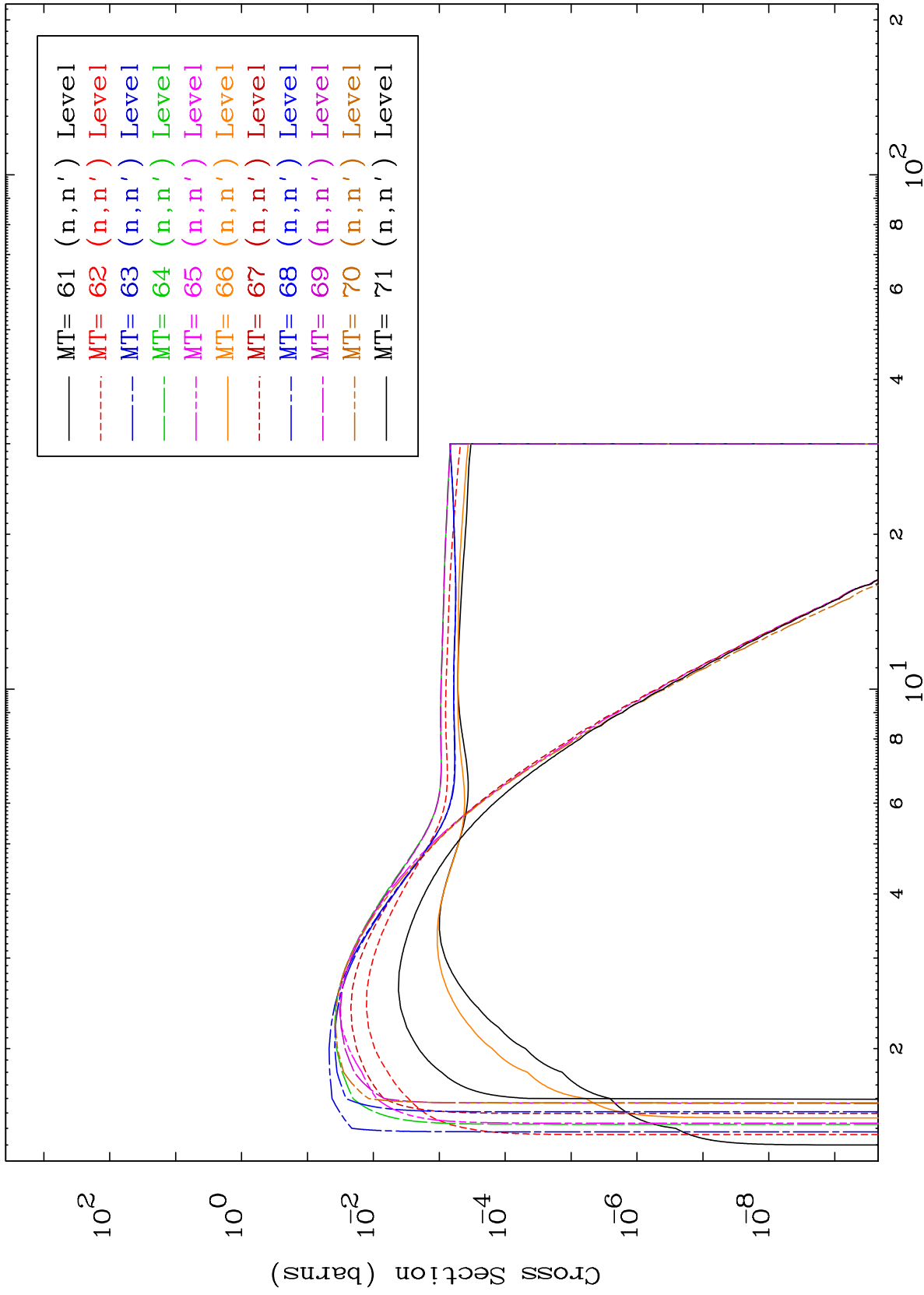
58-Ce-148

MAT 5861

(n,n') Level

58-Ce-148

293 Kelvin Cross Sections



8

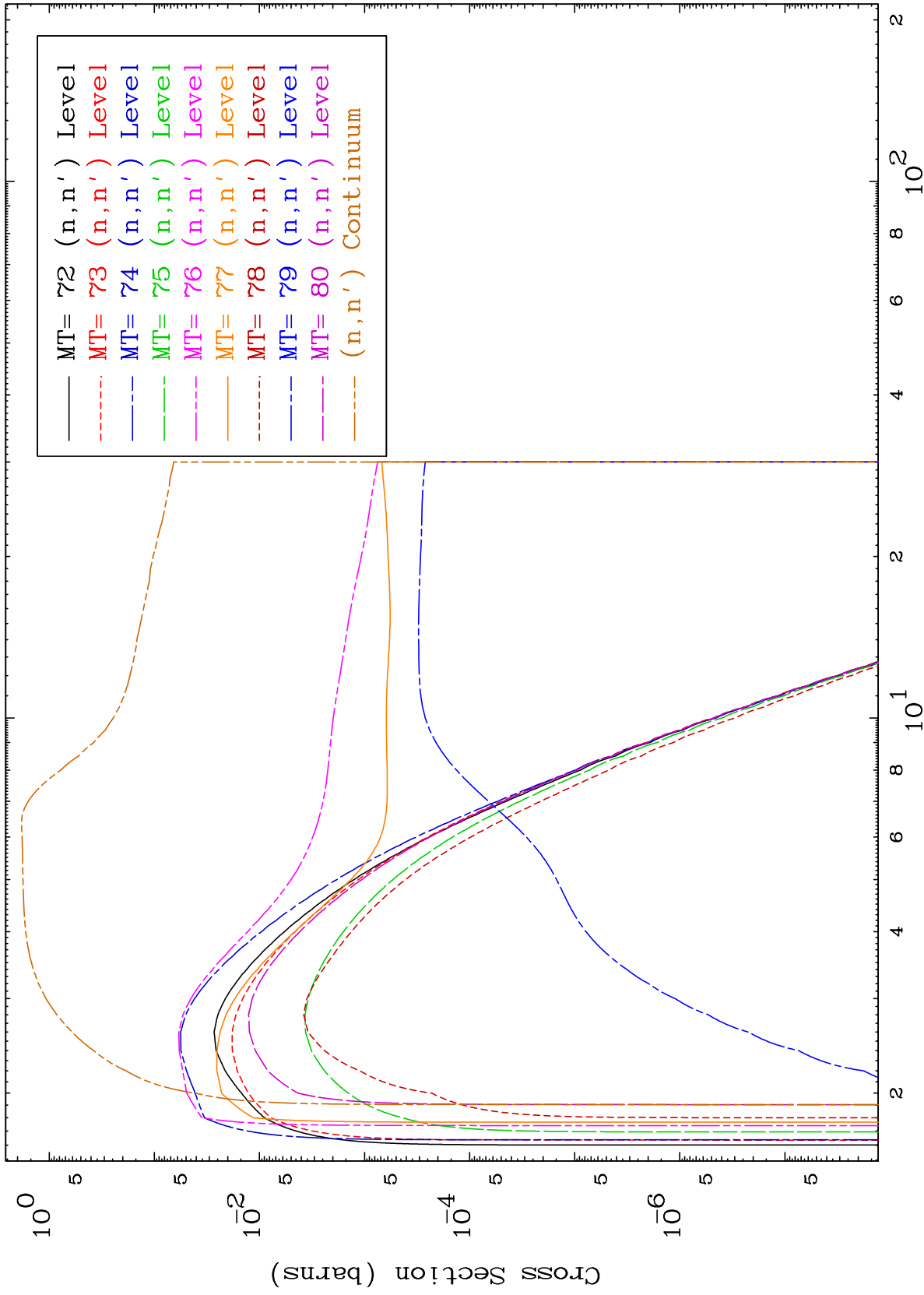
Incident Energy (MeV)

58-Ce-148

MAT 5861

(n,n') Level
293 Kelvin Cross Sections

58-Ce-148



9

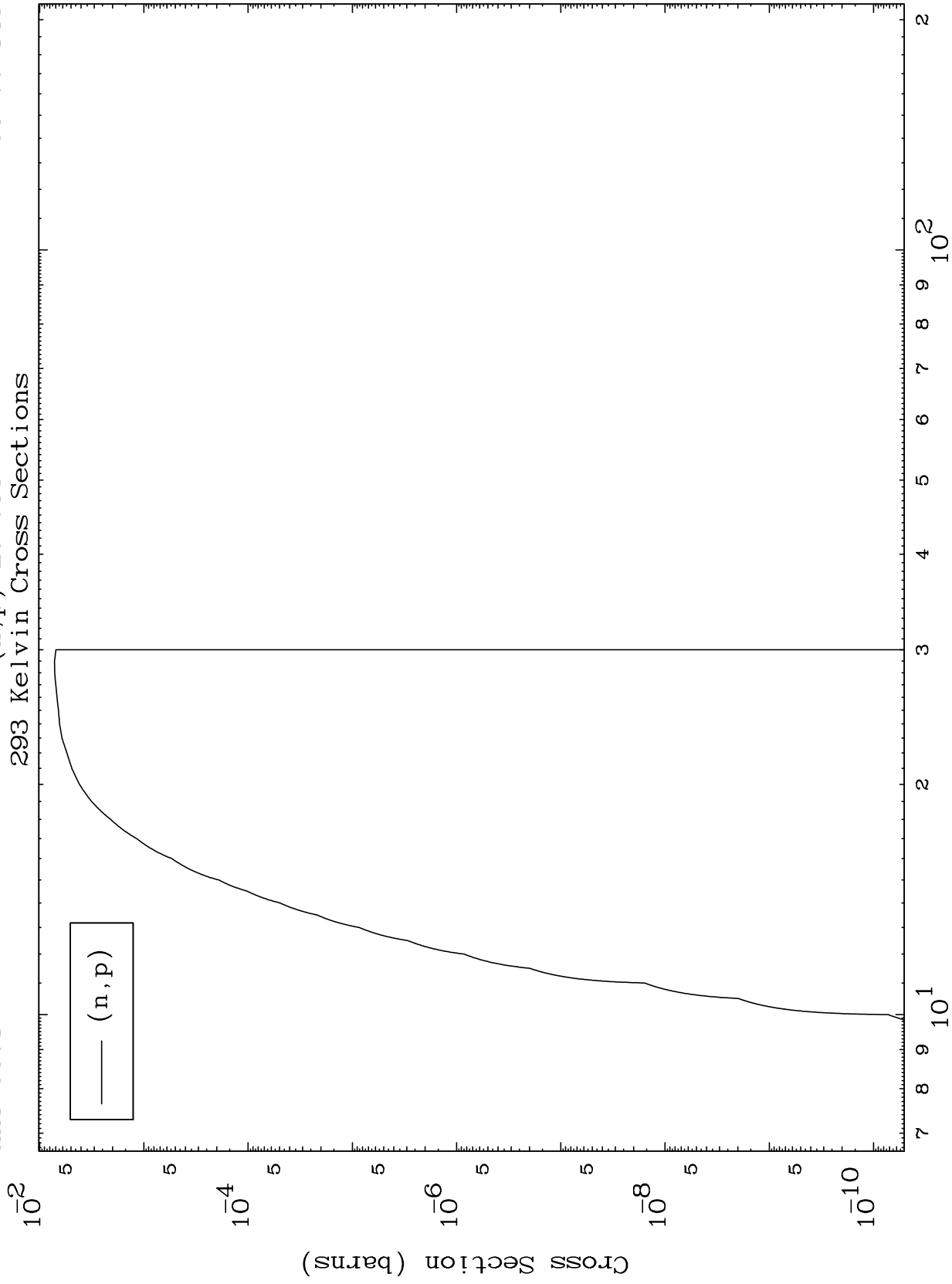
Incident Energy (MeV)

58-Ce-148

MAT 5861

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-148



10

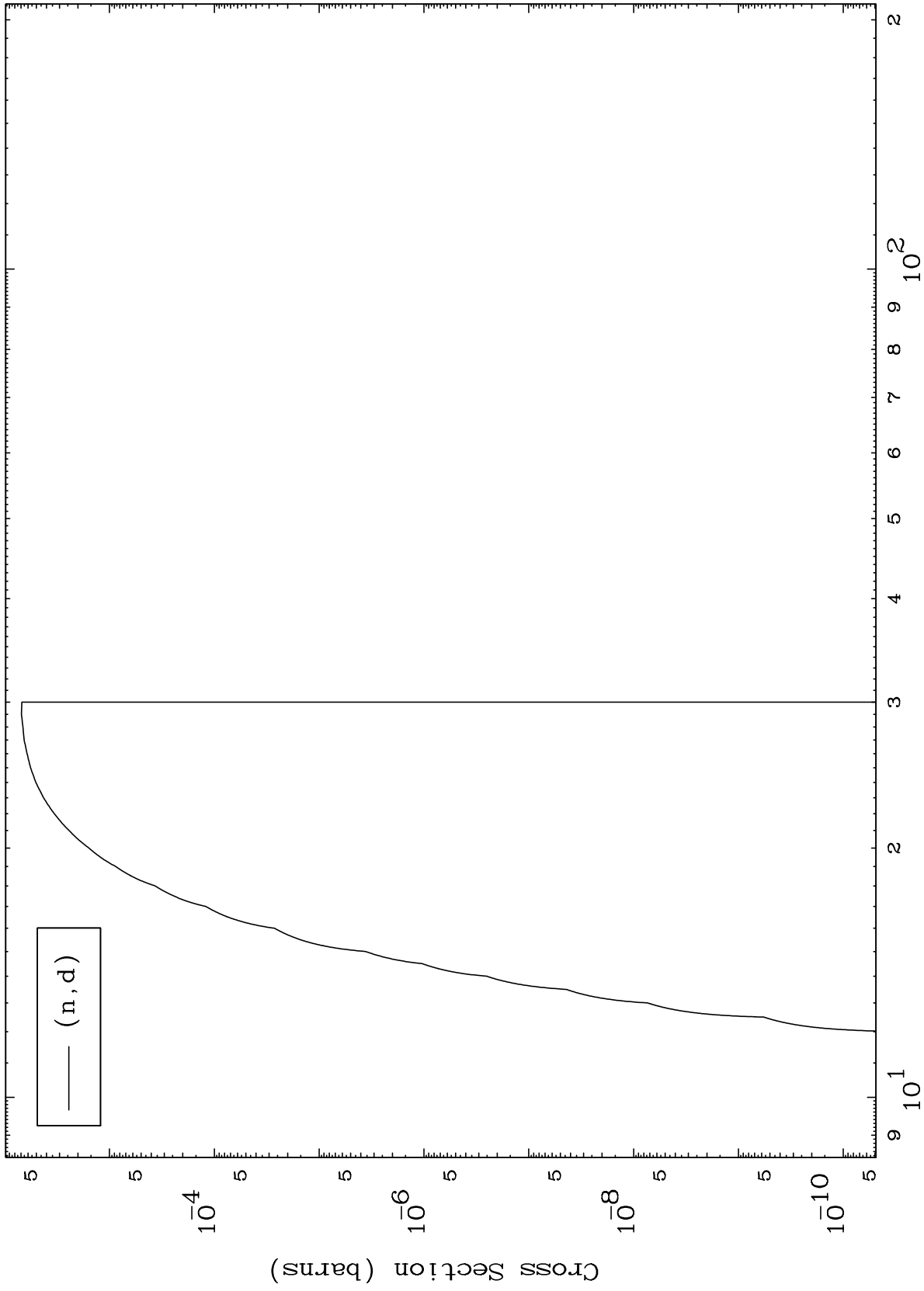
Incident Energy (MeV)

58-Ce-148

MAT 5861

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-148



11

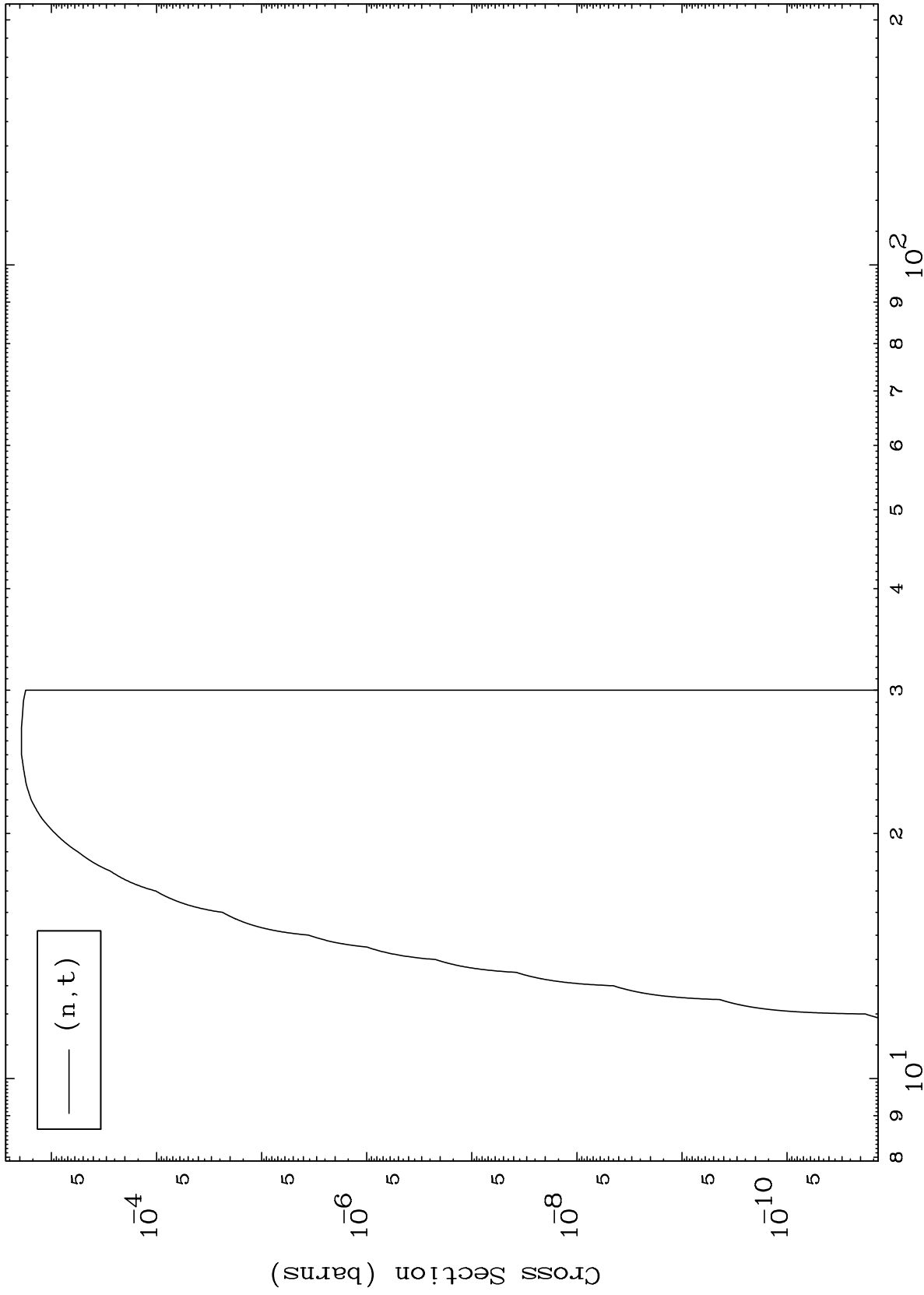
Incident Energy (MeV)

58-Ce-148

MAT 5861

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-148



12

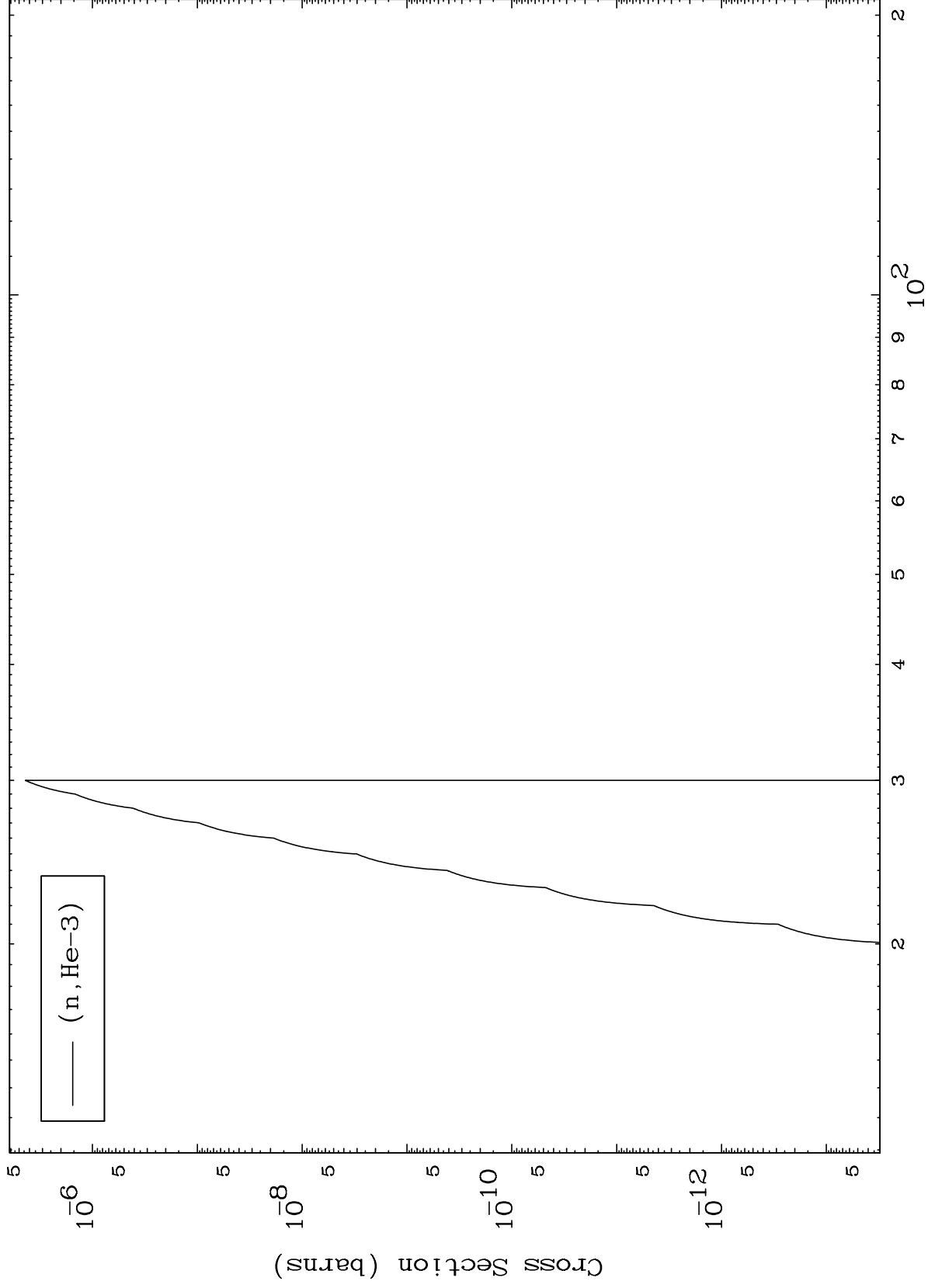
Incident Energy (MeV)

58-Ce-148

MAT 5861

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-148



13

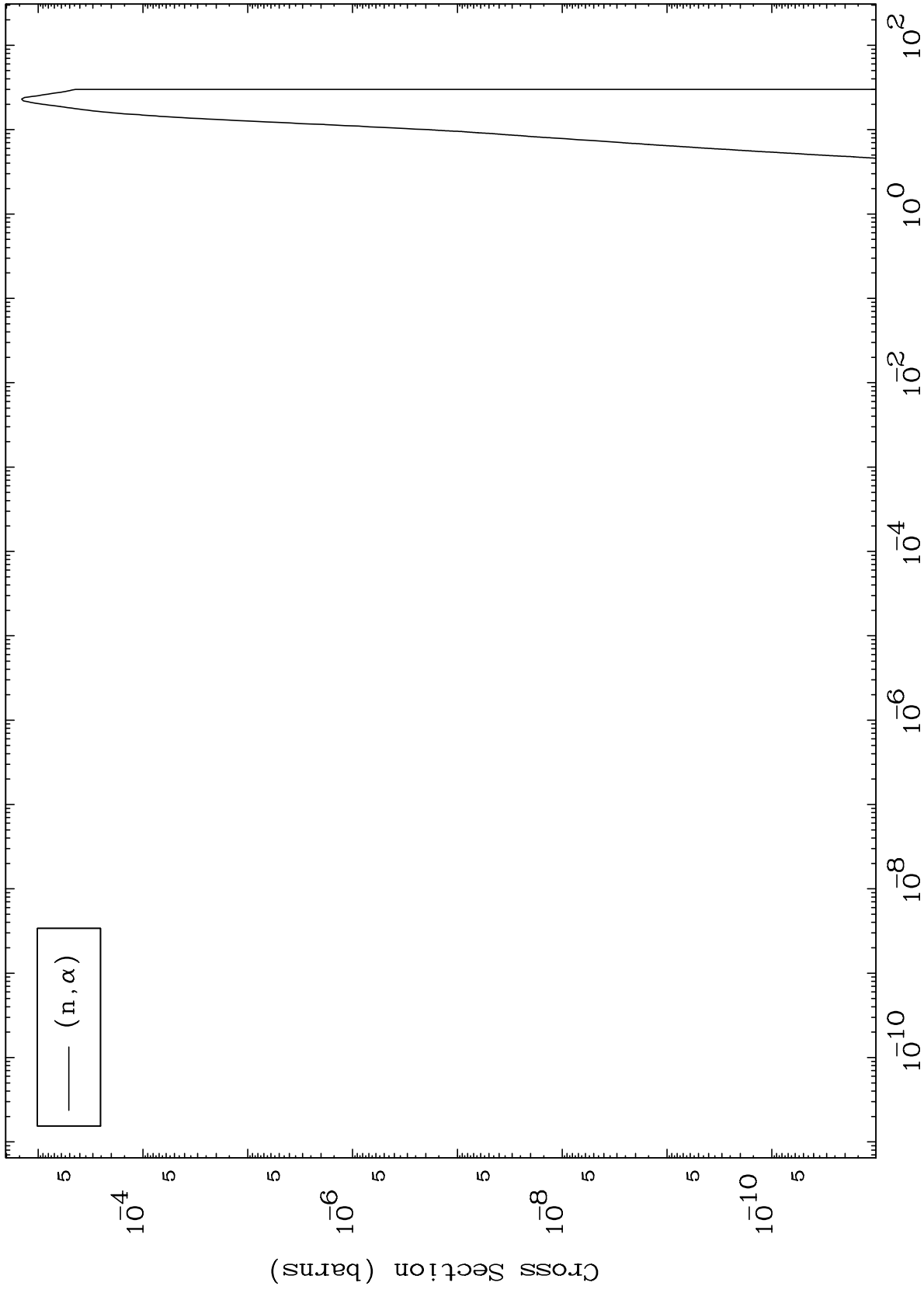
Incident Energy (MeV)

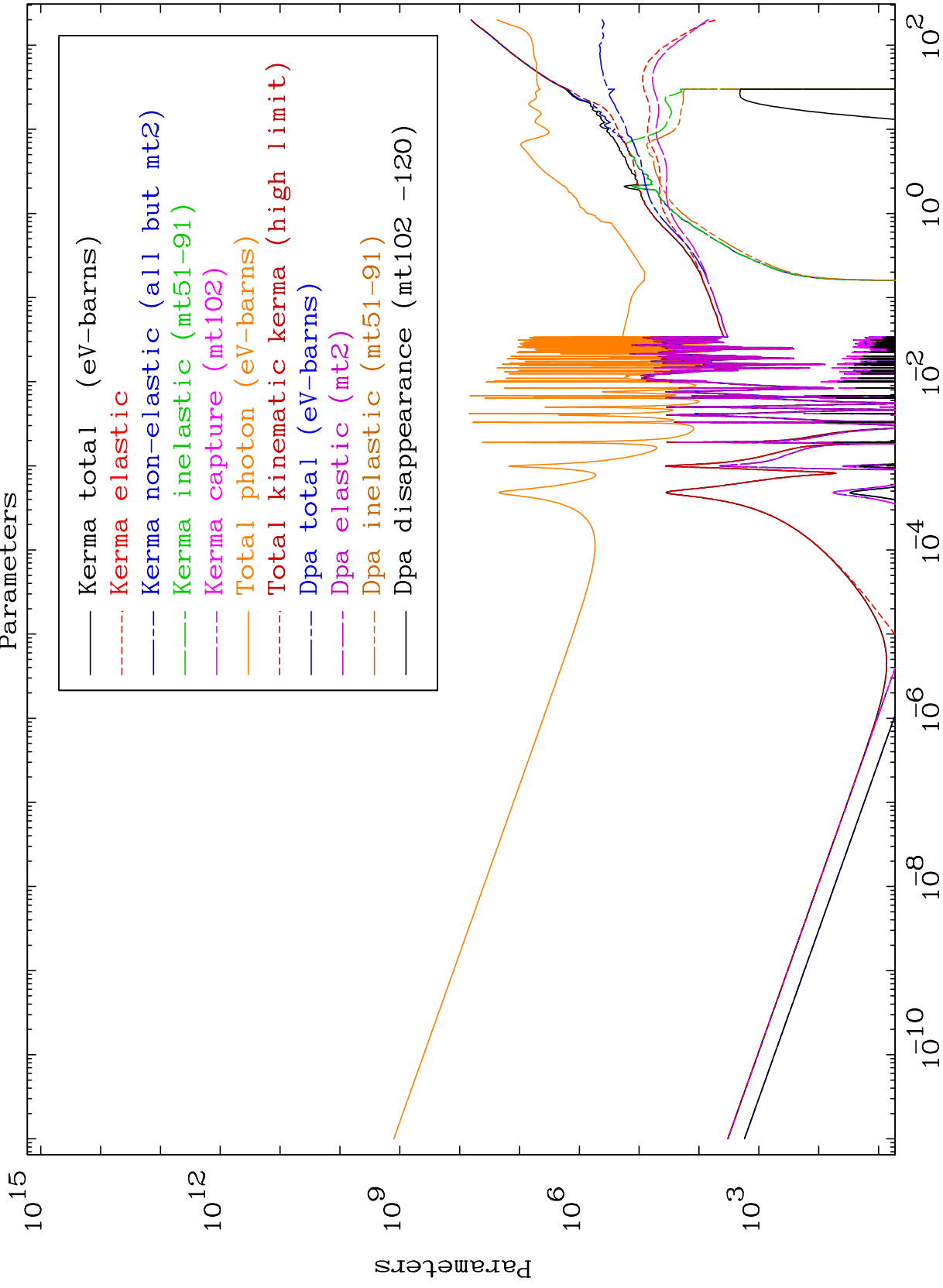
58-Ce-148

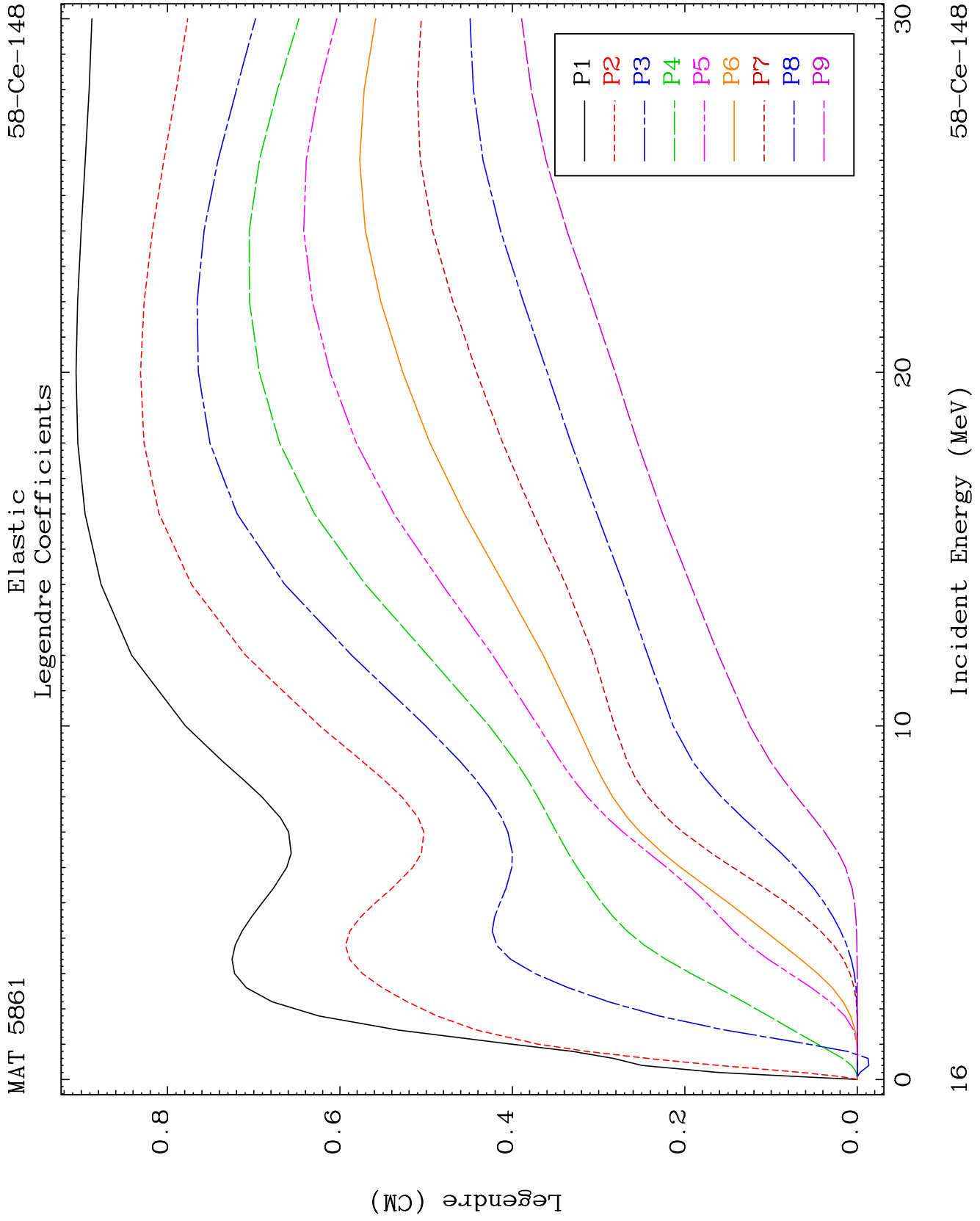
MAT 5861

(n,α) Levels
293 Kelvin Cross Sections

58-Ce-148



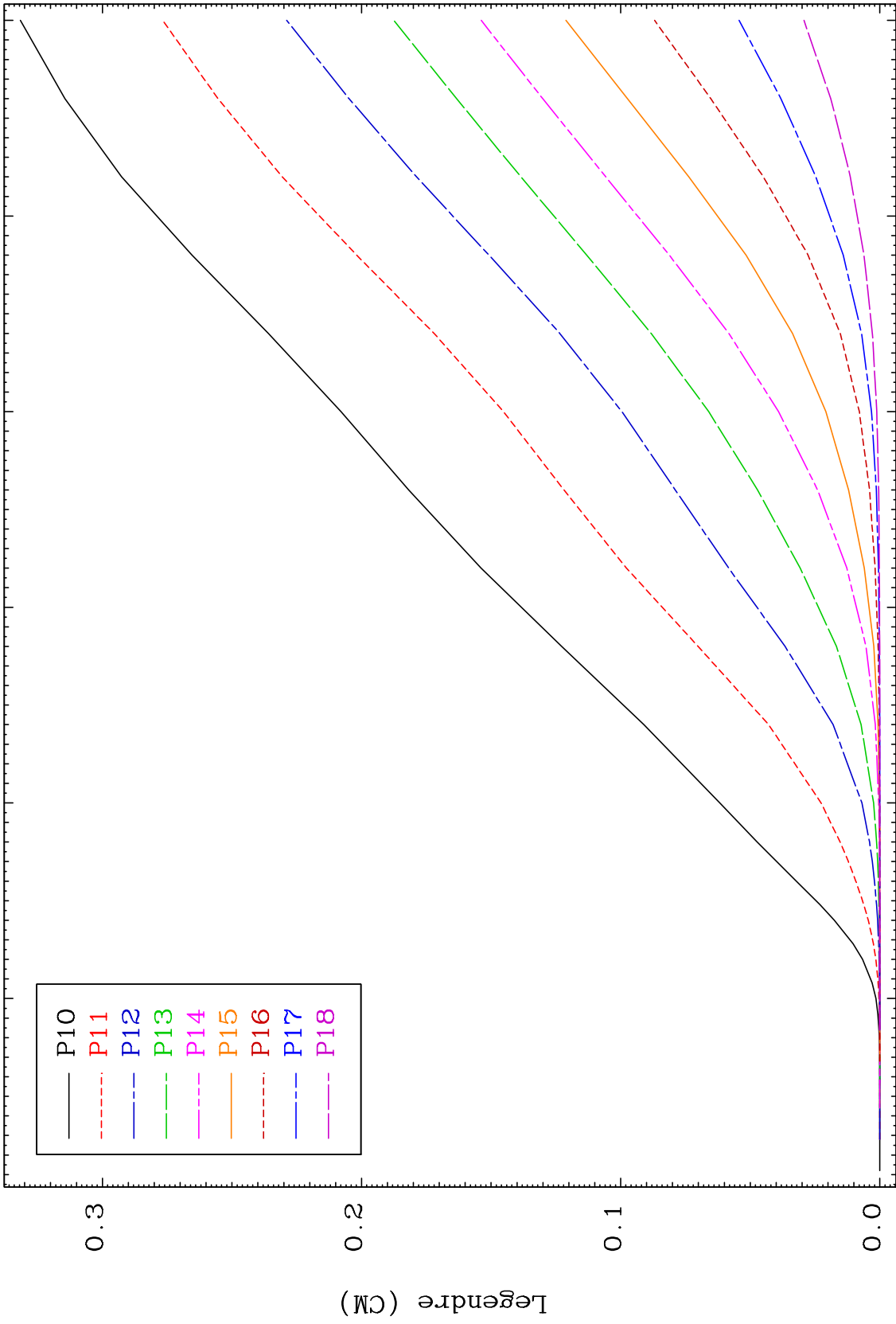




MAT 5861

Elastic Legendre Coefficients

58-Ce-148



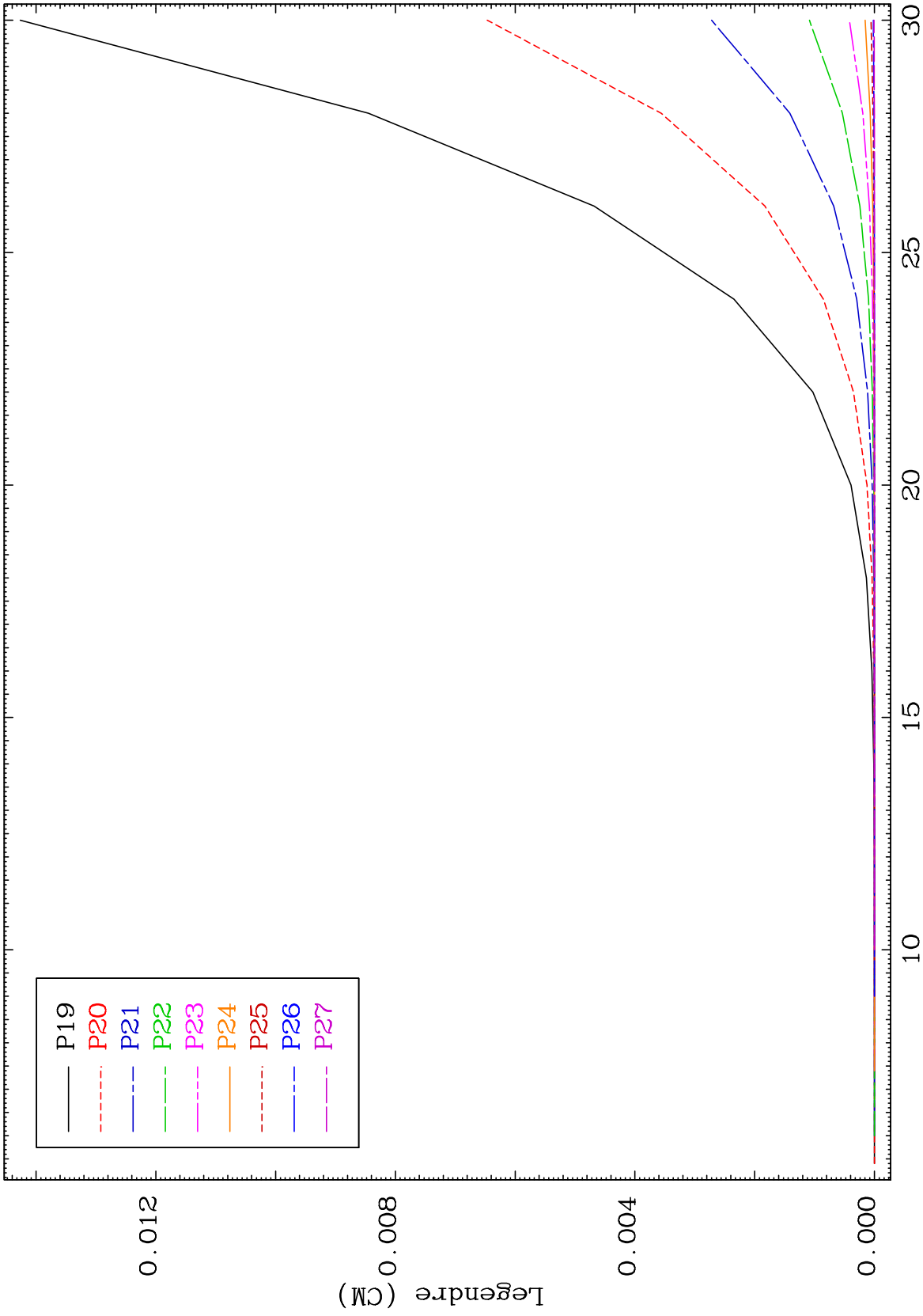
17

58-Ce-148

MAT 5861

Elastic Legendre Coefficients

58-Ce-148



18

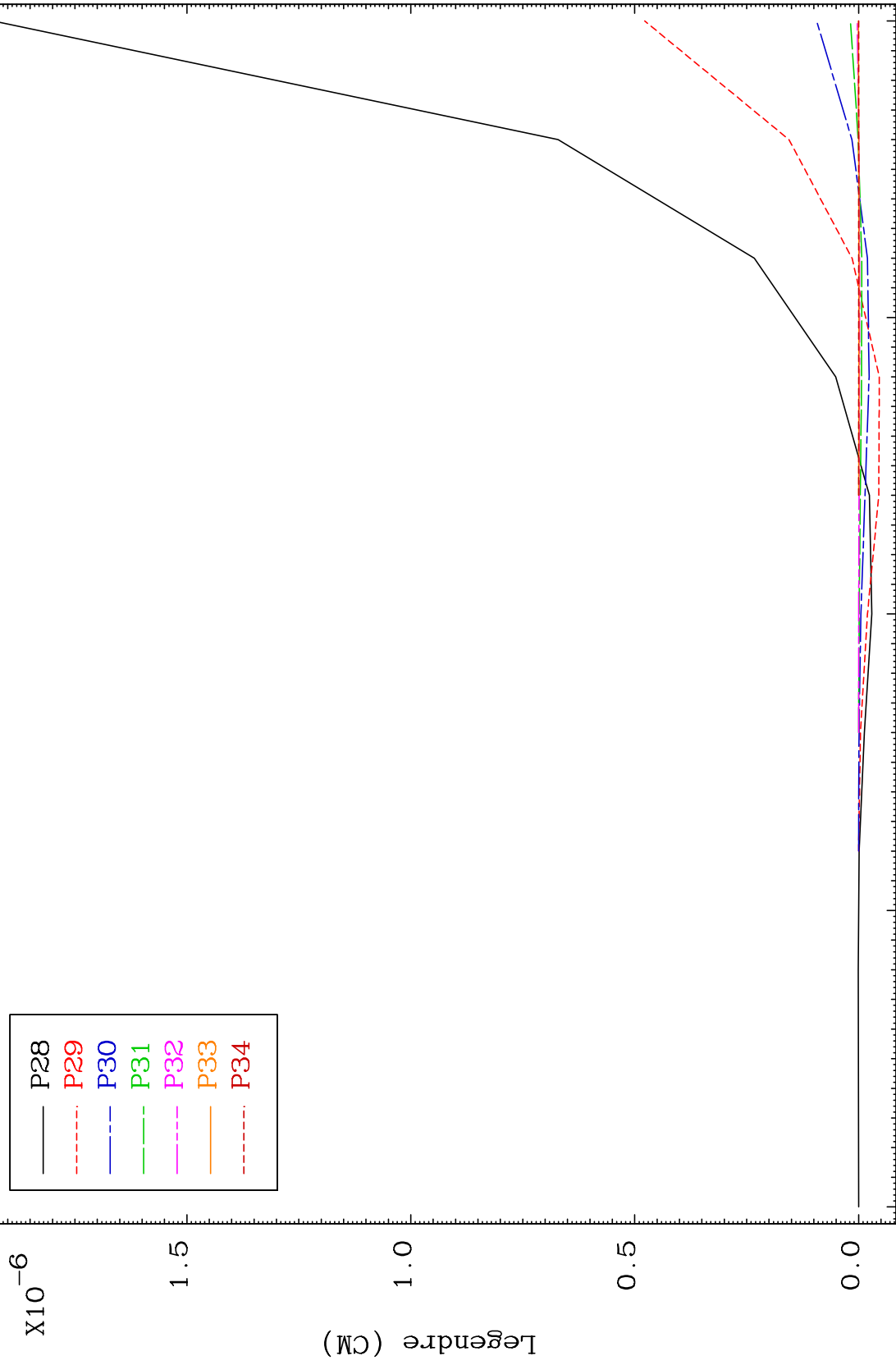
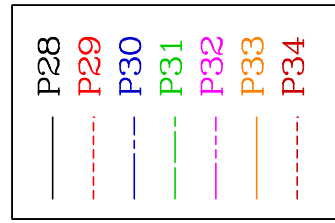
Incident Energy (MeV)

58-Ce-148

MAT 5861

Elastic
Legendre Coefficients

58-Ce-148



19

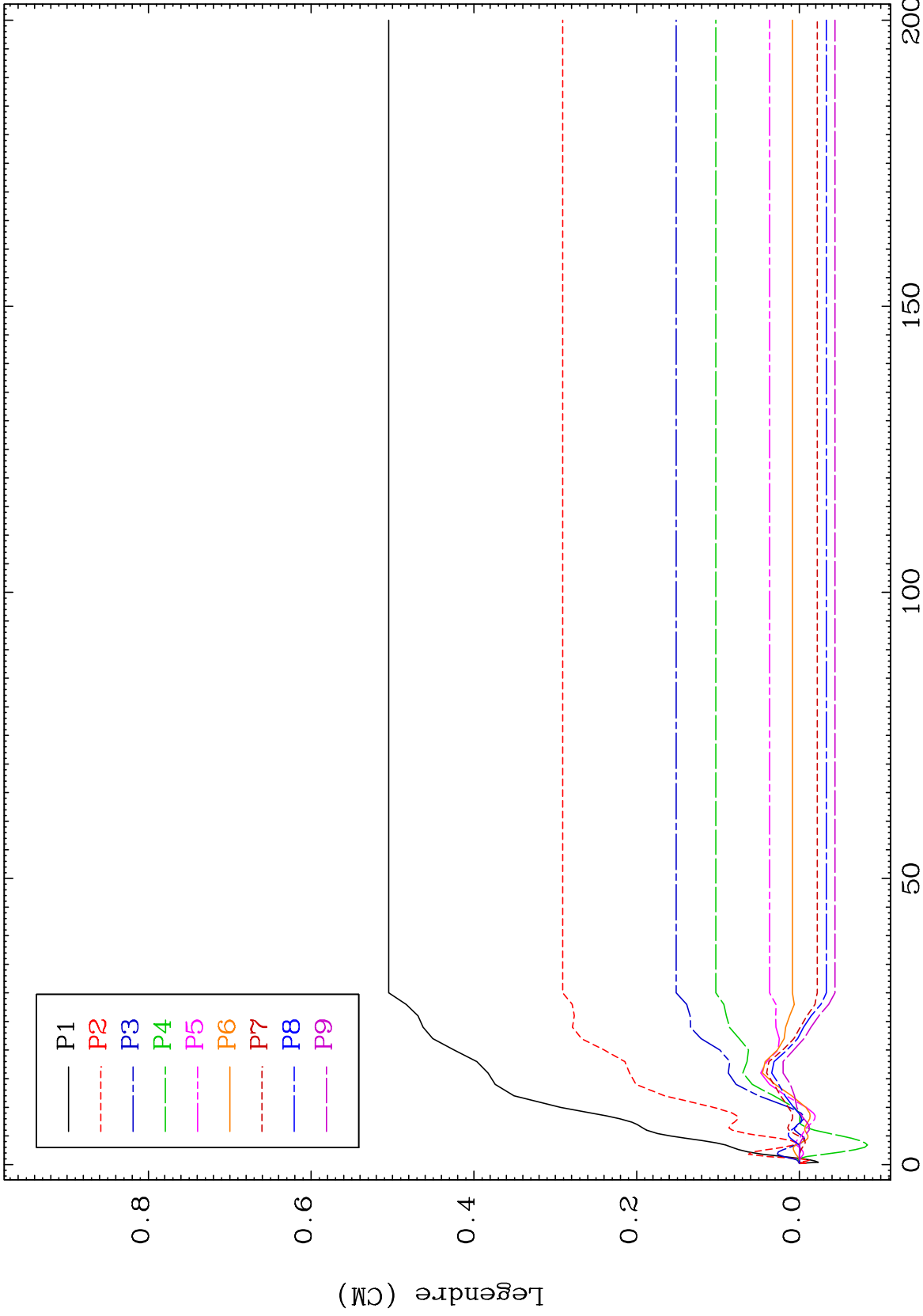
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



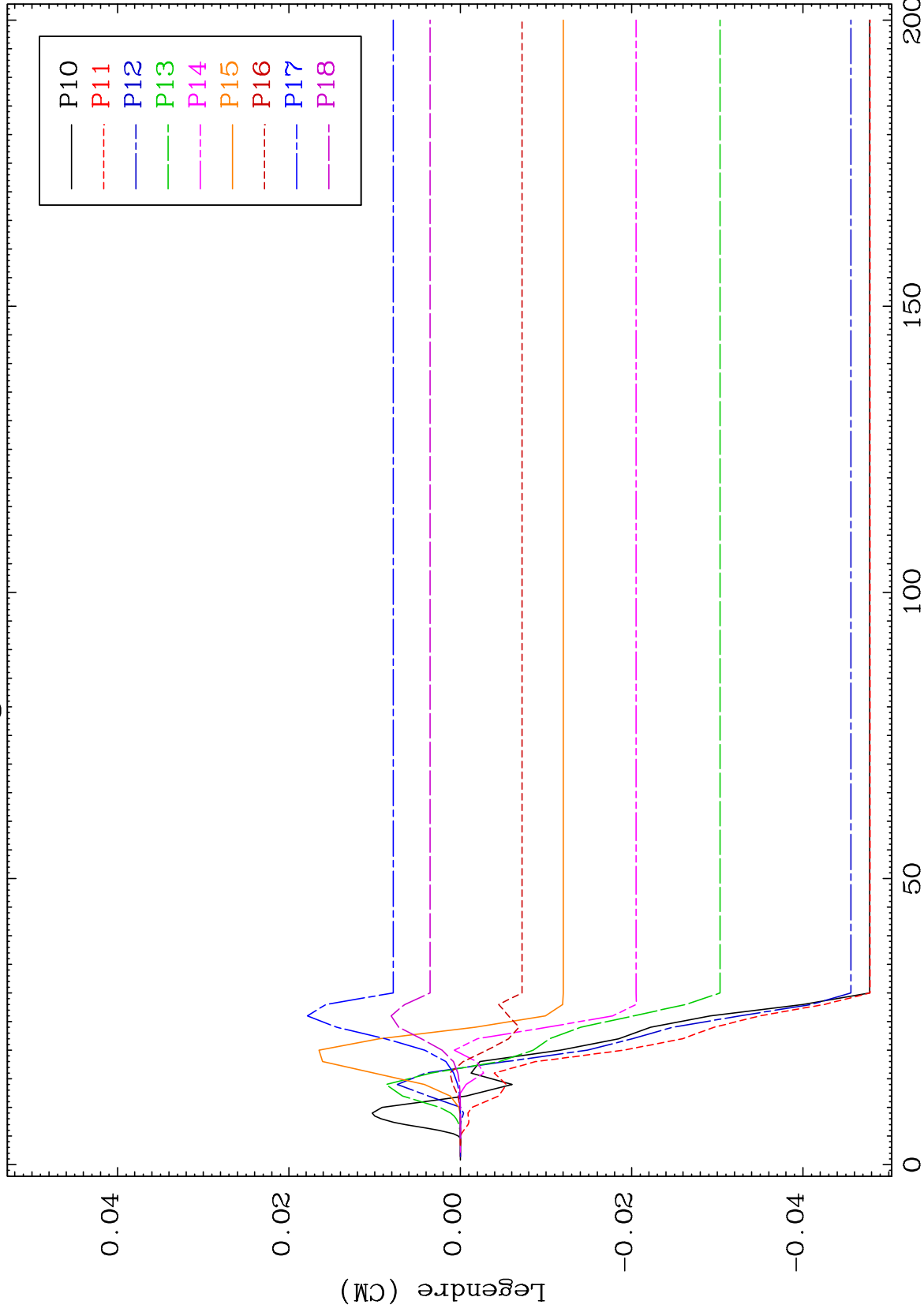
58-Ce-148

Incident Energy (MeV)

MAT 5861

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

58-Ce-148



21

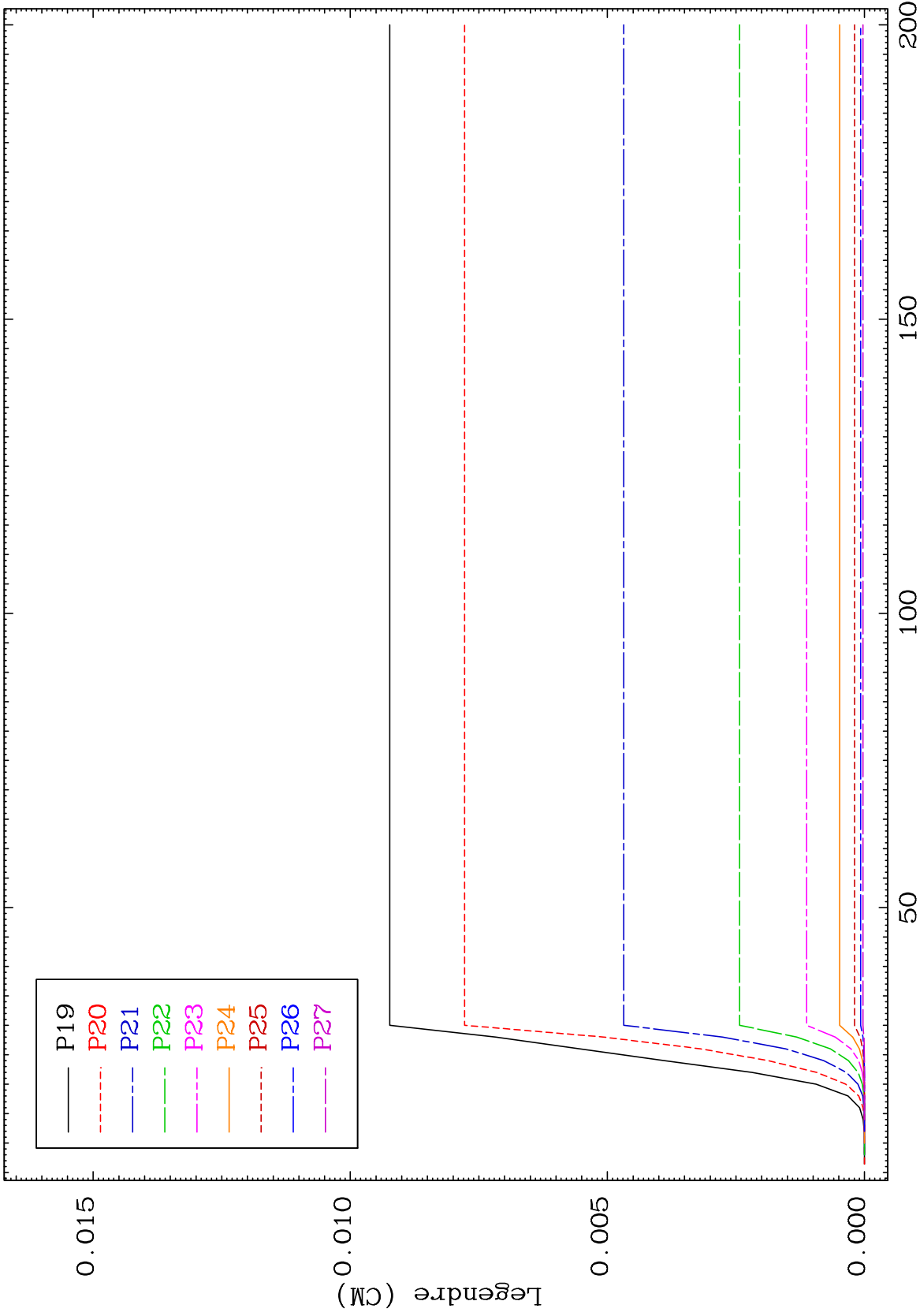
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



22

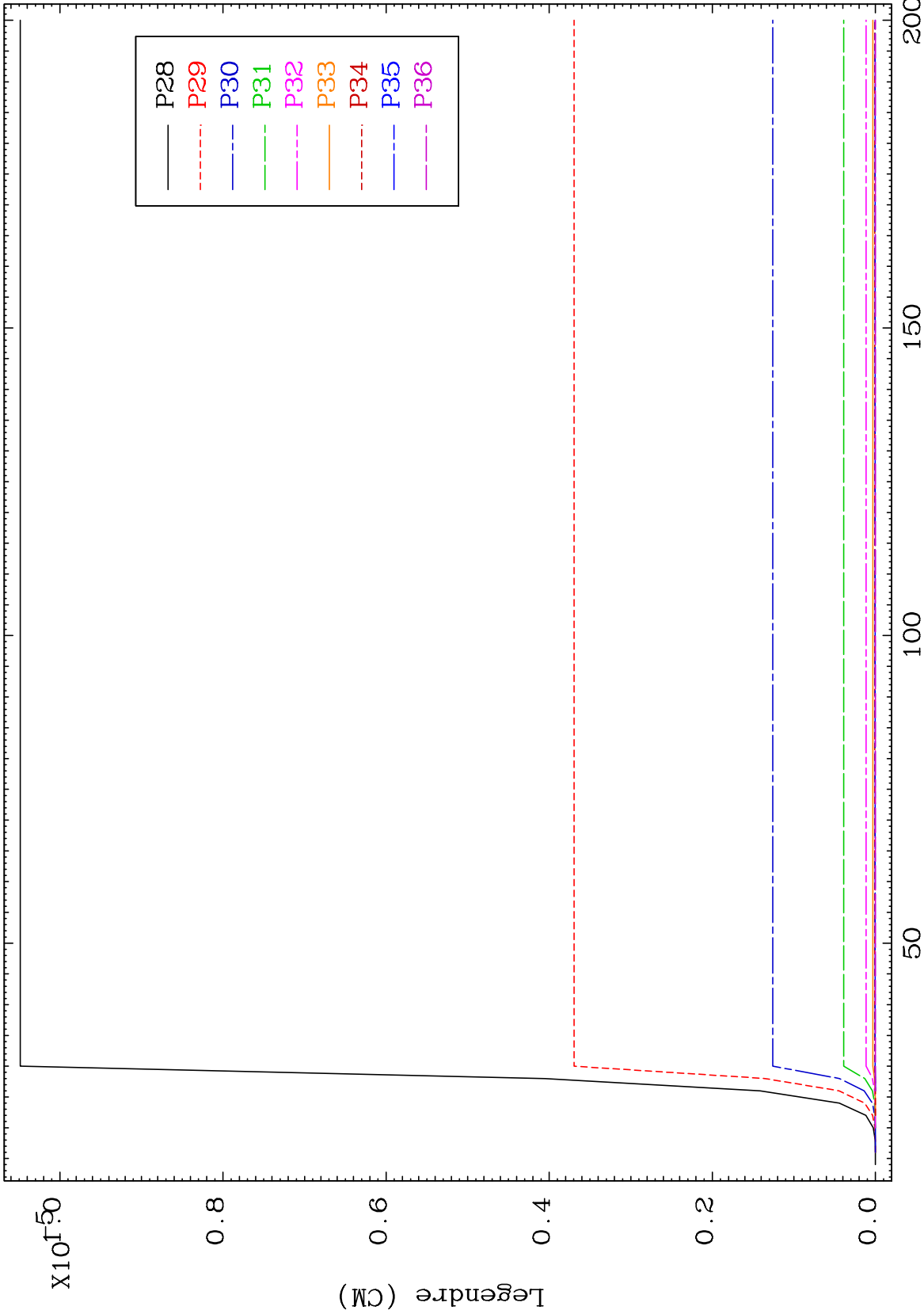
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



23

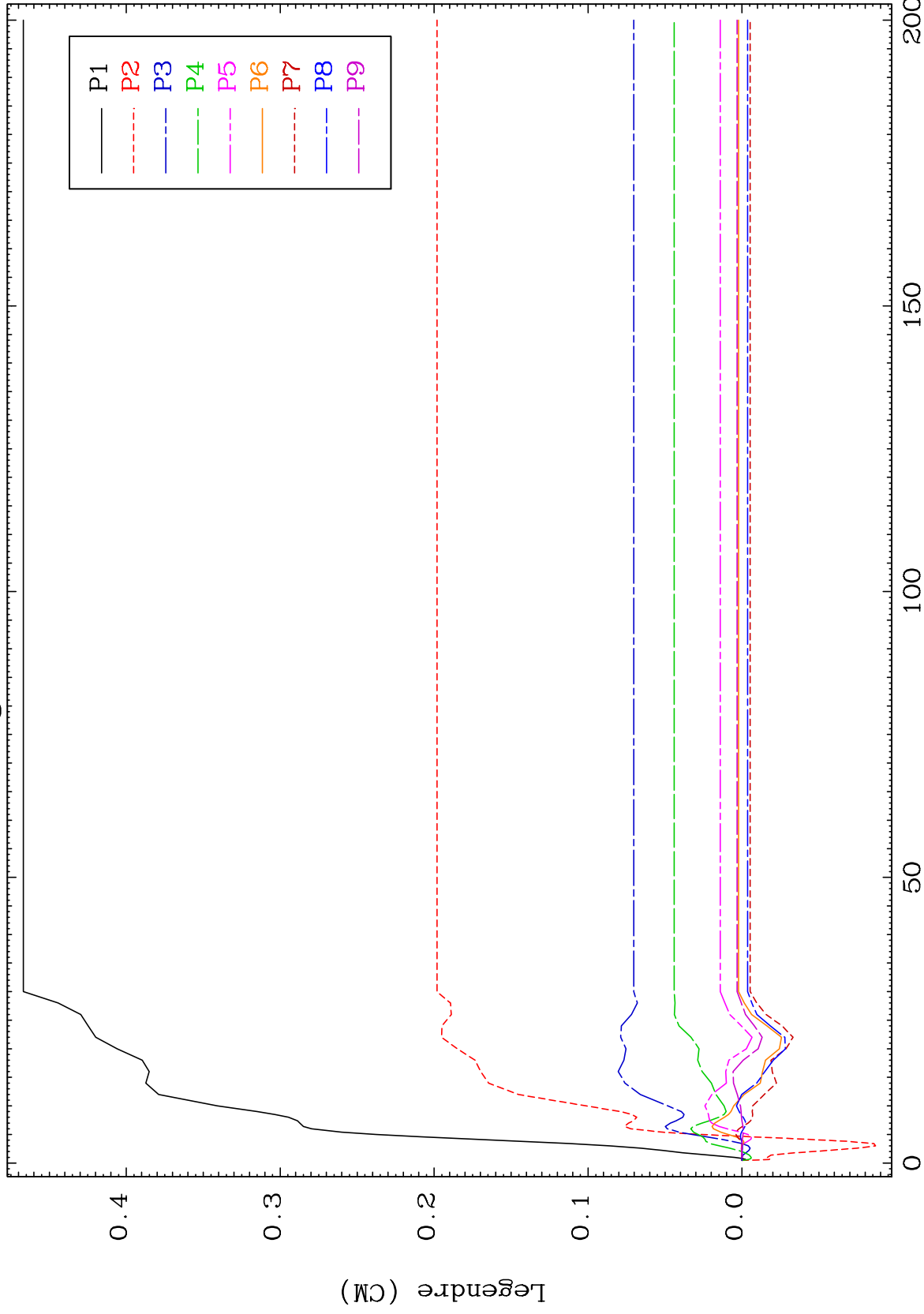
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



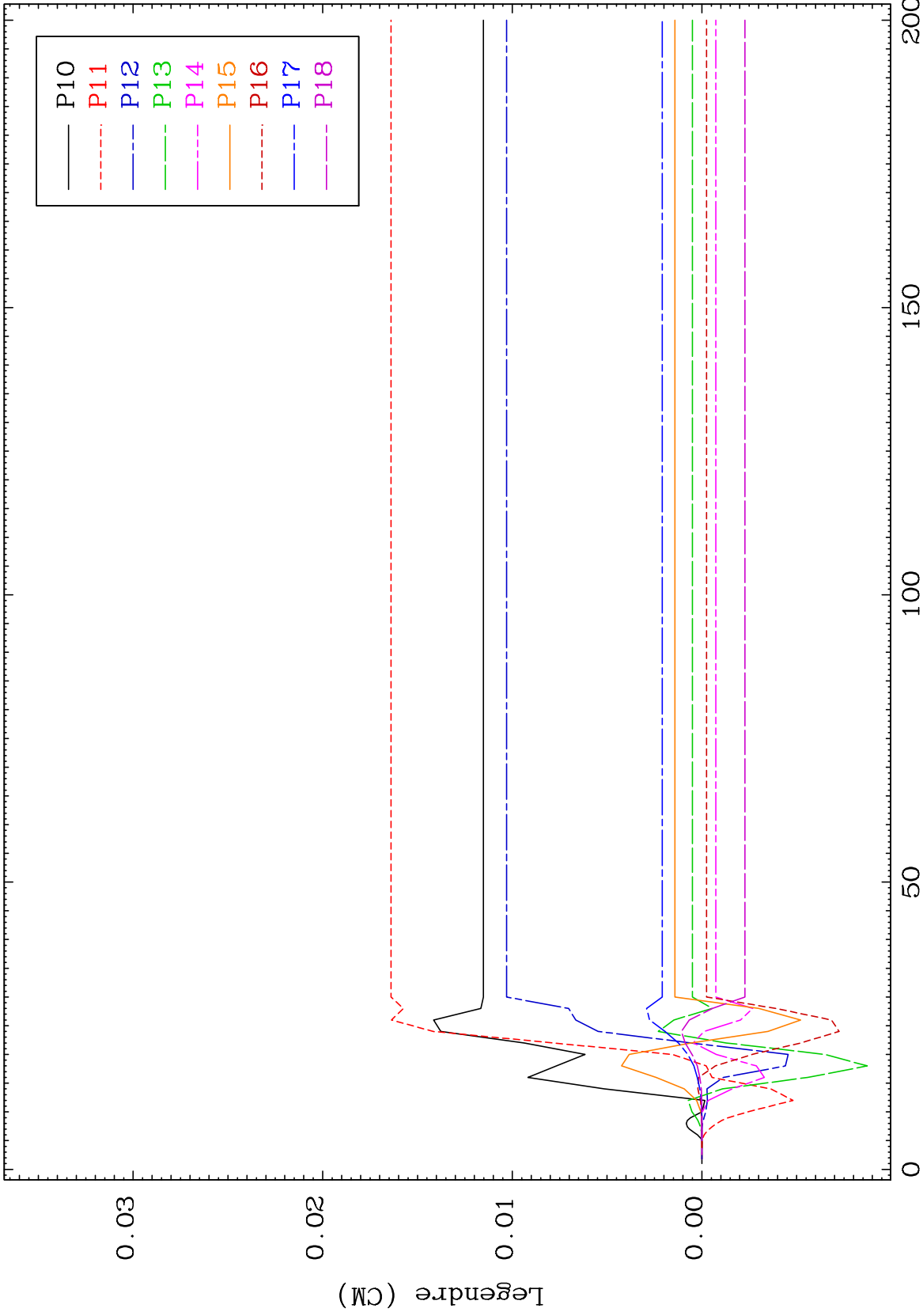
24

58-Ce-148

MAT 5861

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

58-Ce-148



25

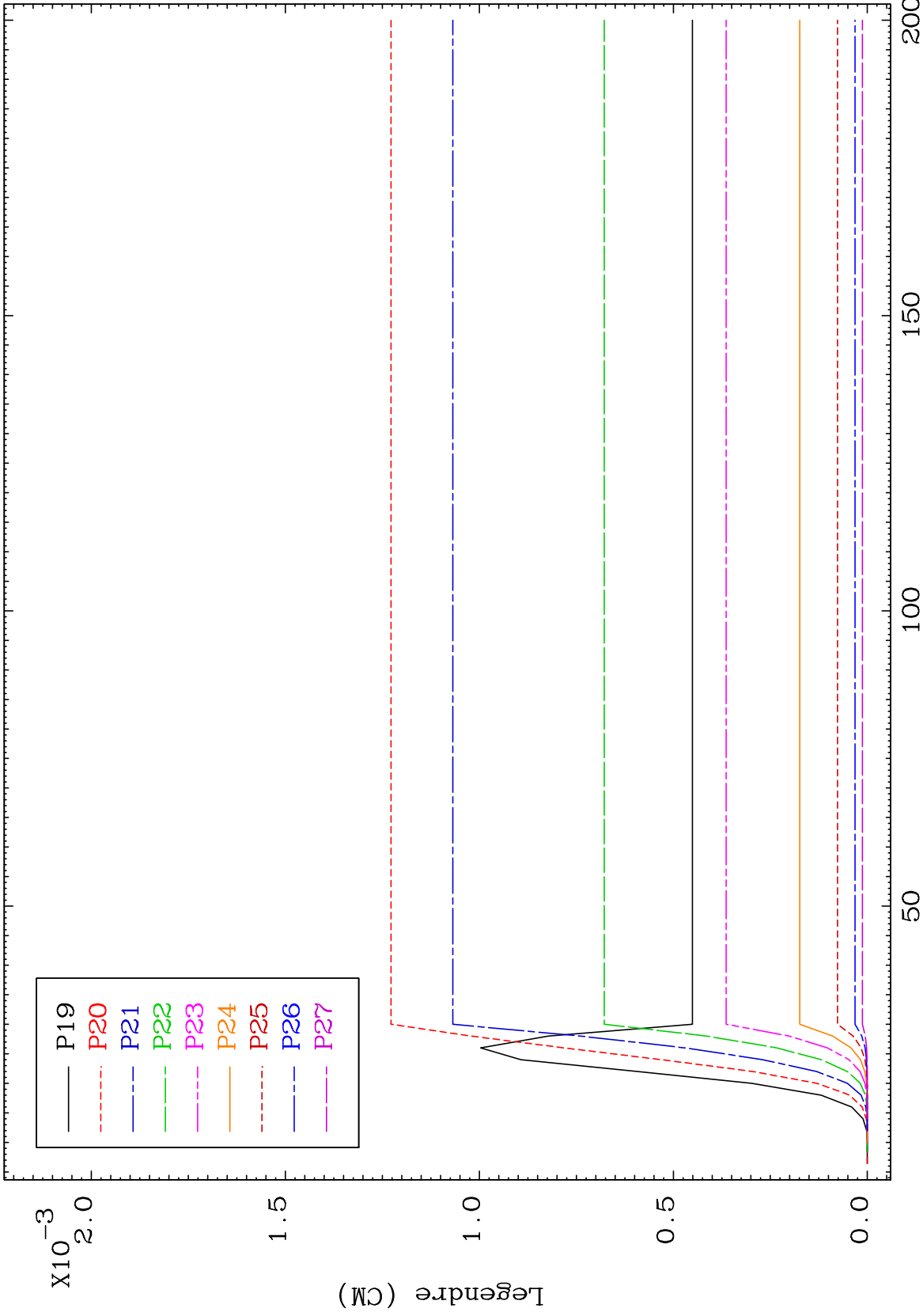
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



26

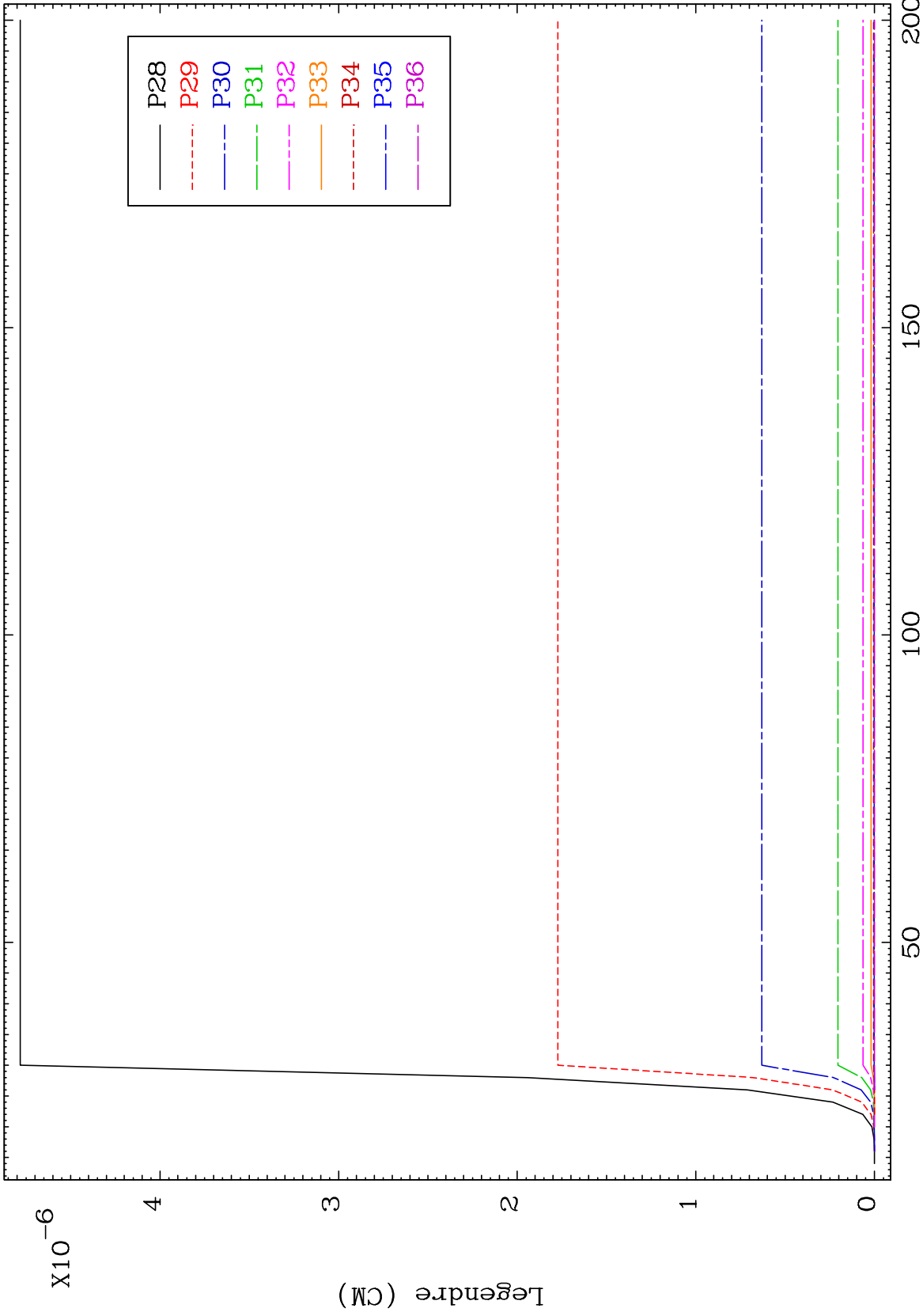
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



27

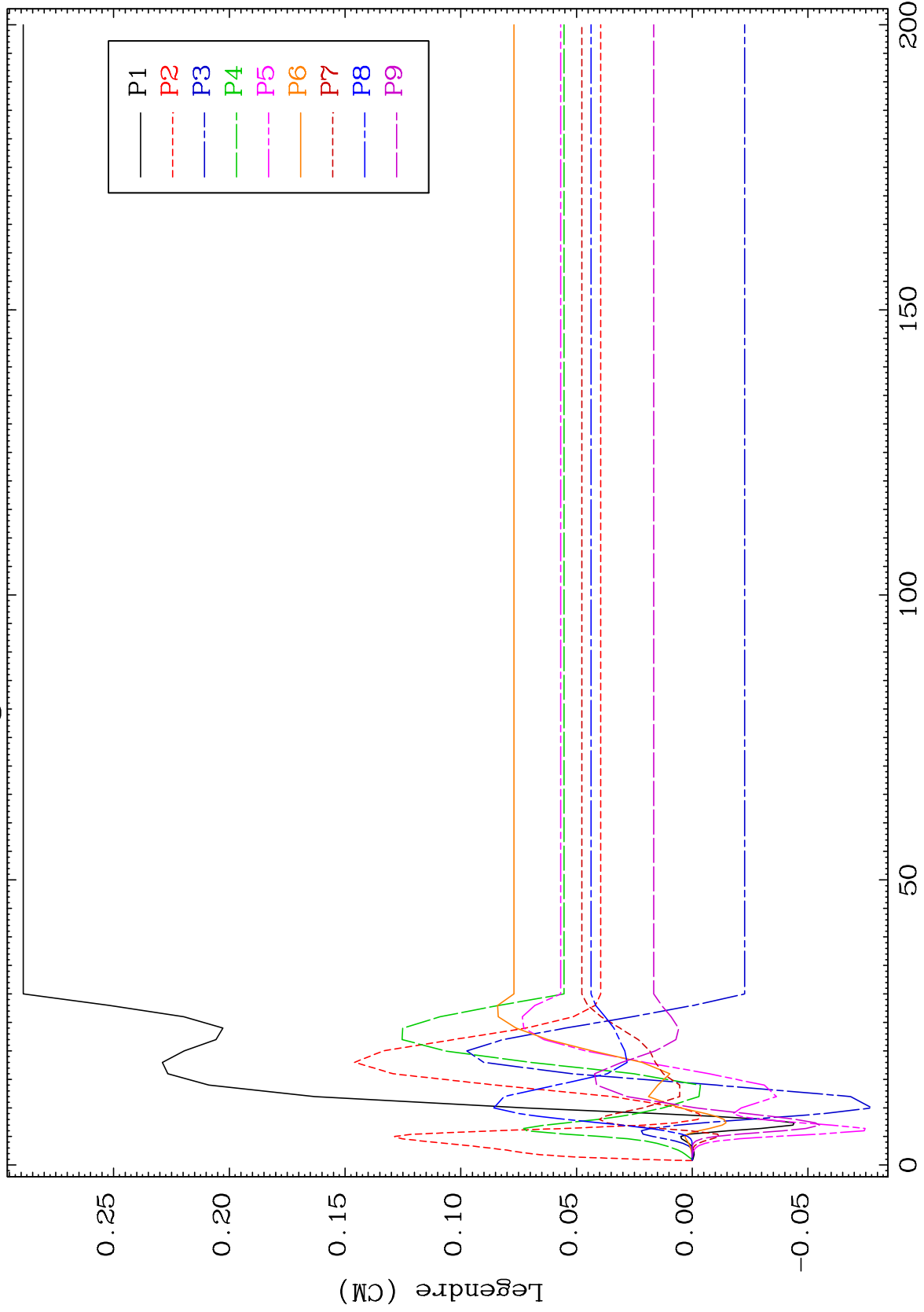
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



28

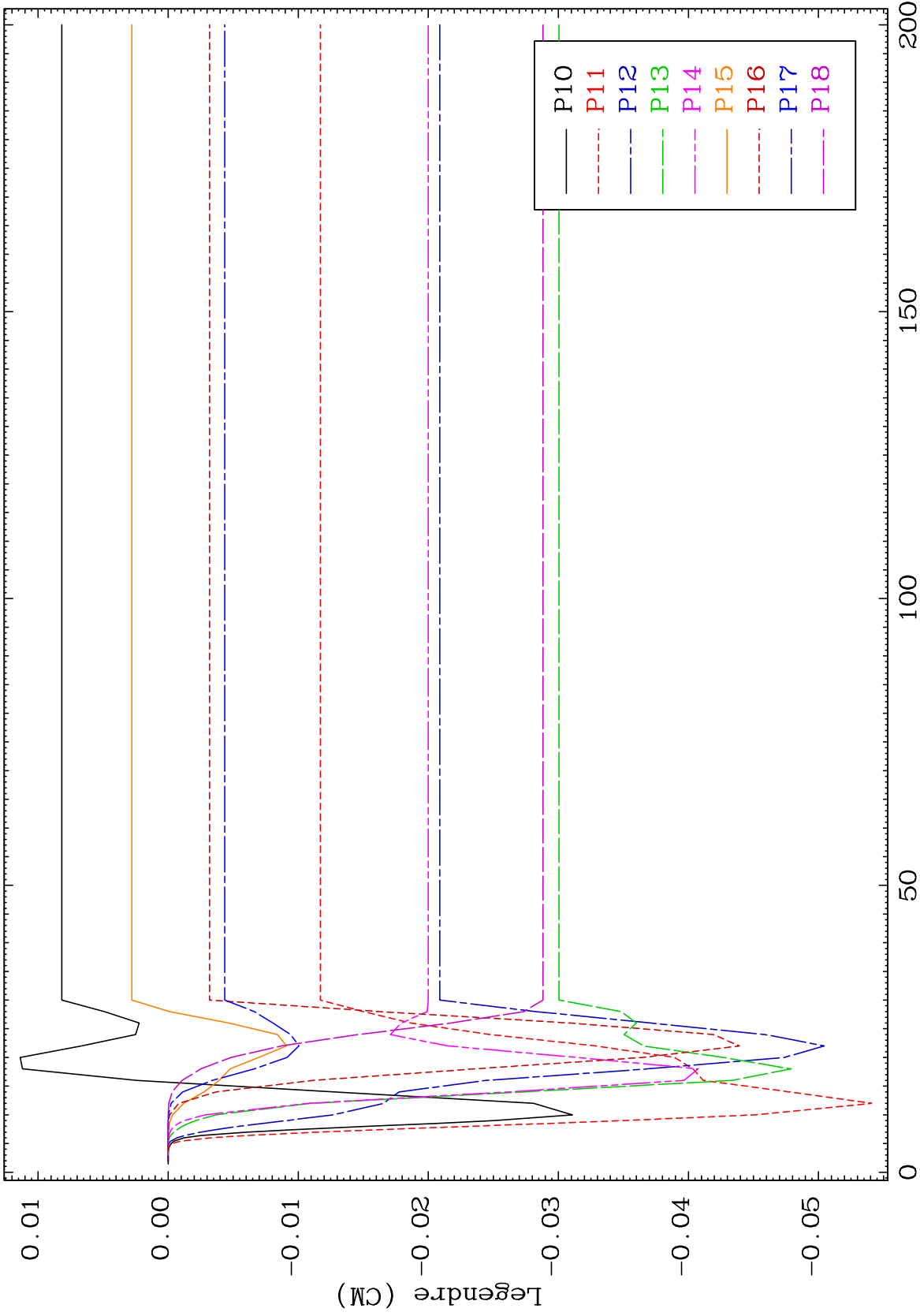
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



29

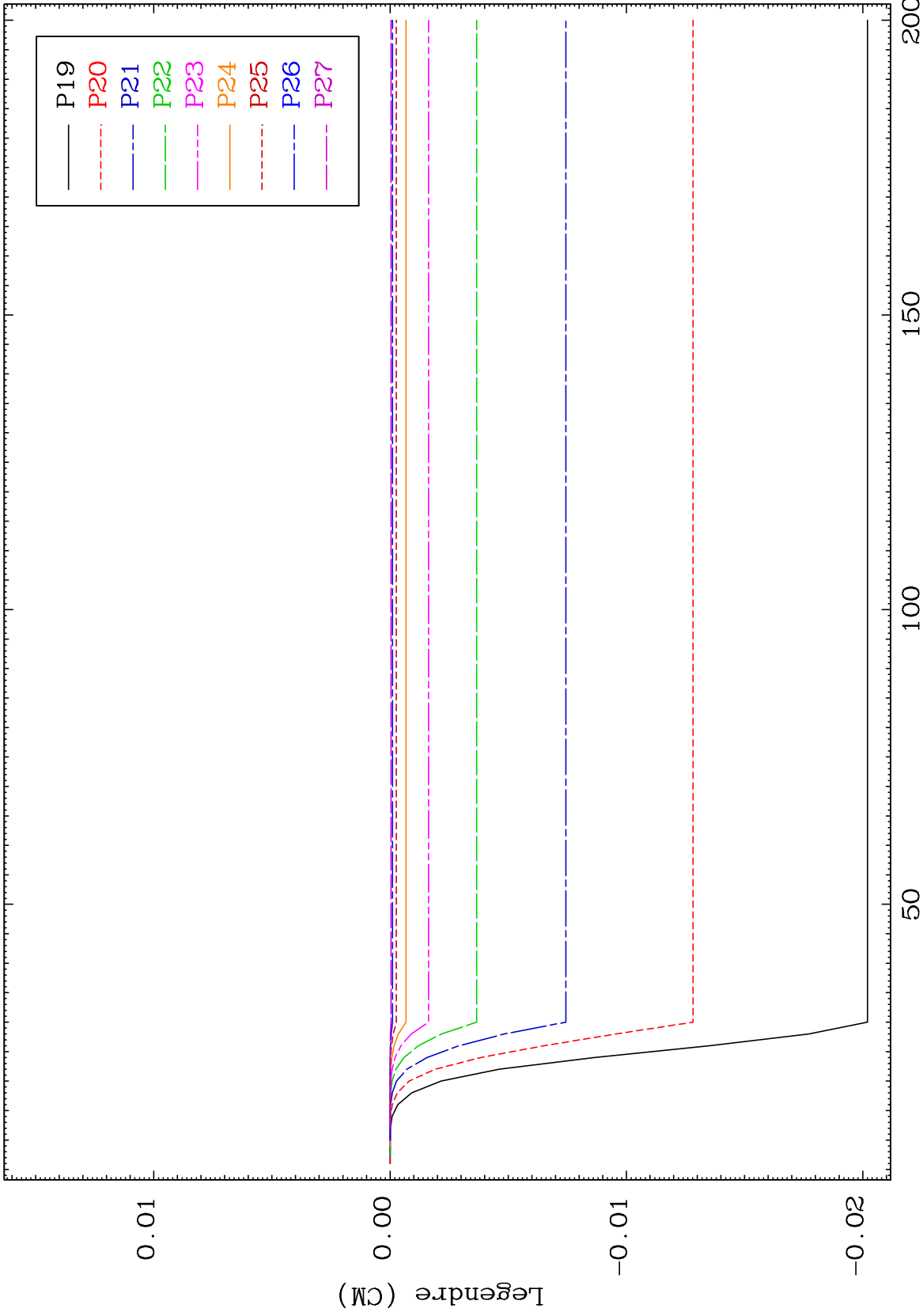
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



30

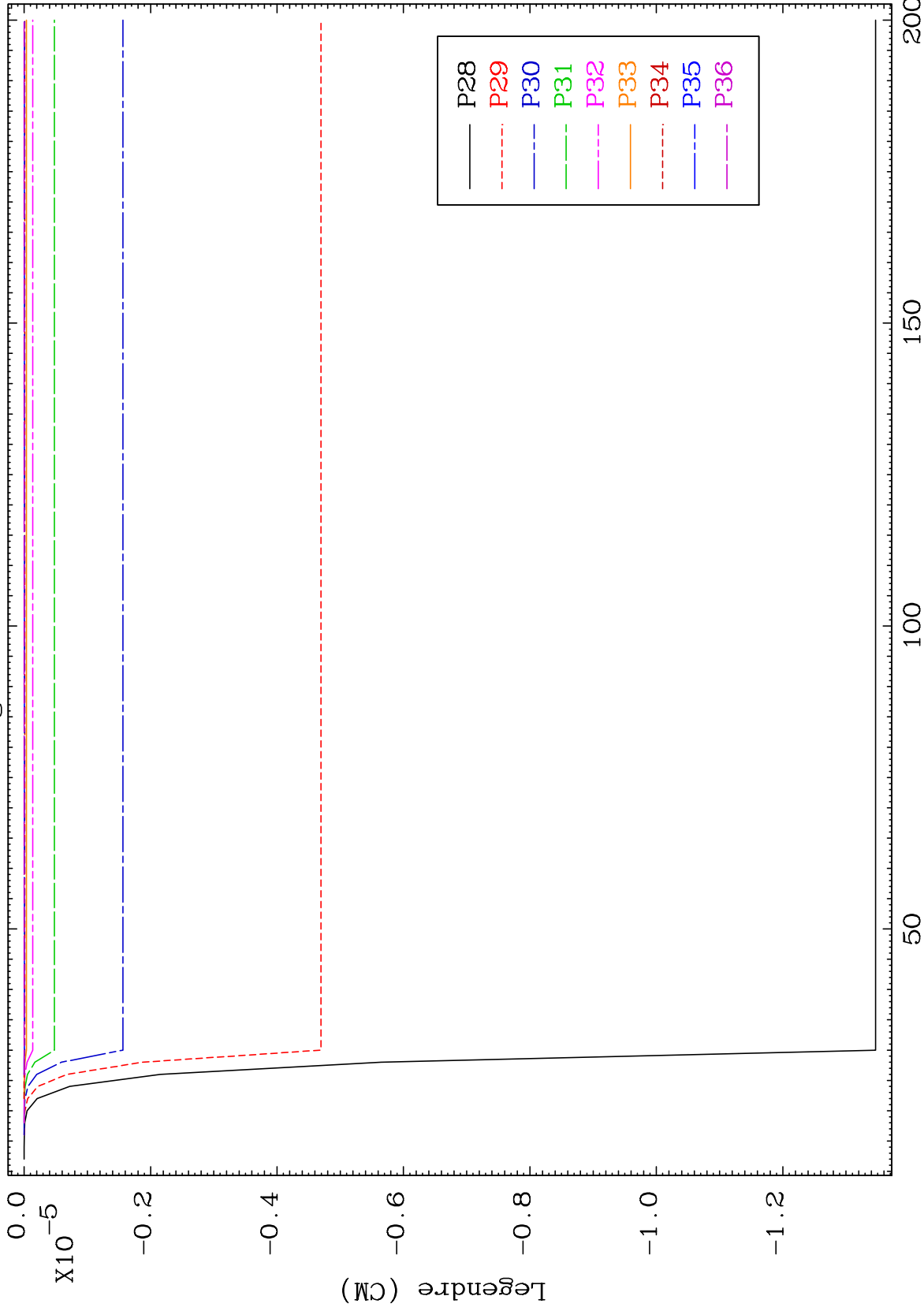
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148

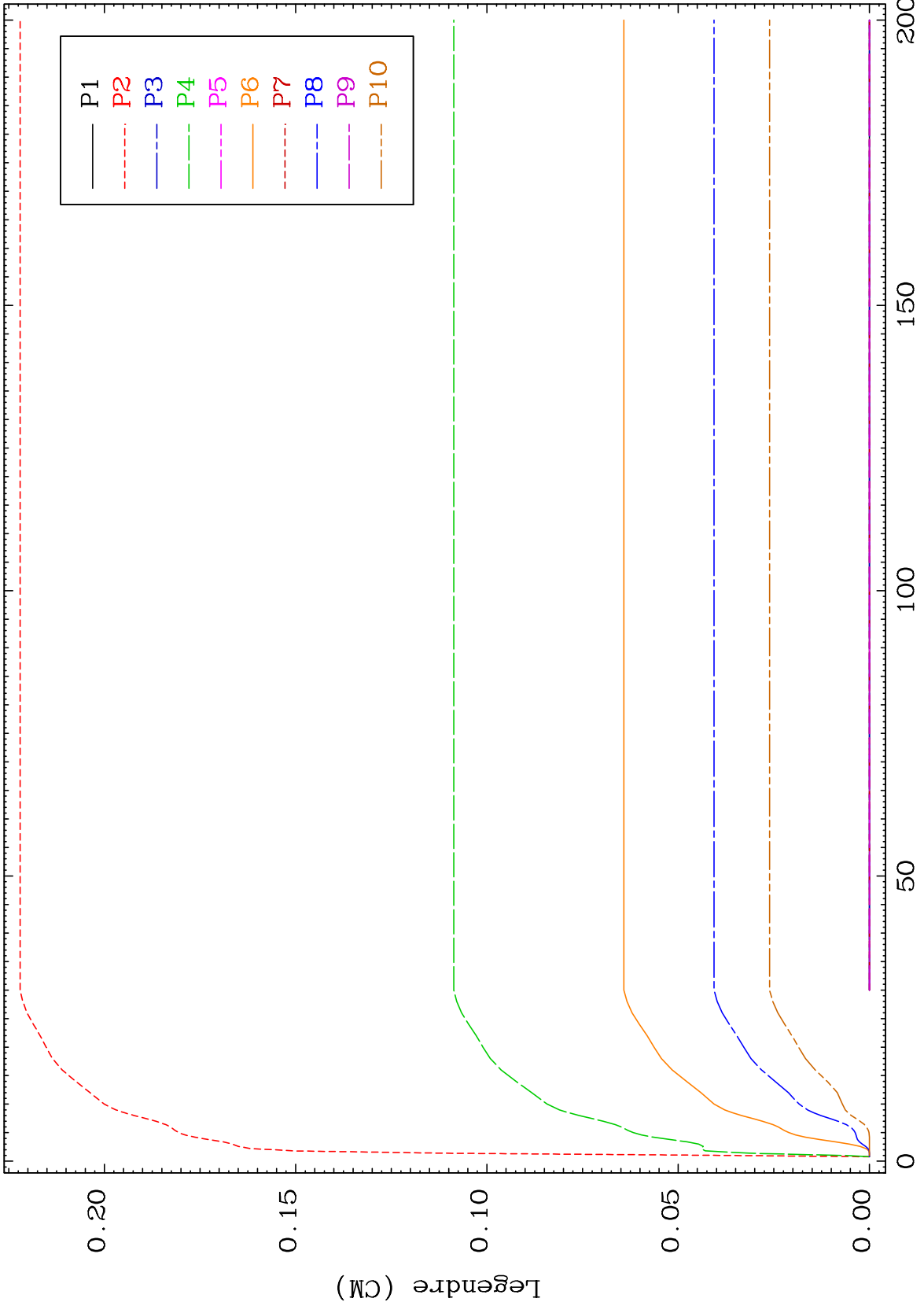


58-Ce-148

Incident Energy (MeV)

31

MAT 5861 MT= 54 (n,n') Level Legendre Coefficients 58-Ce-148

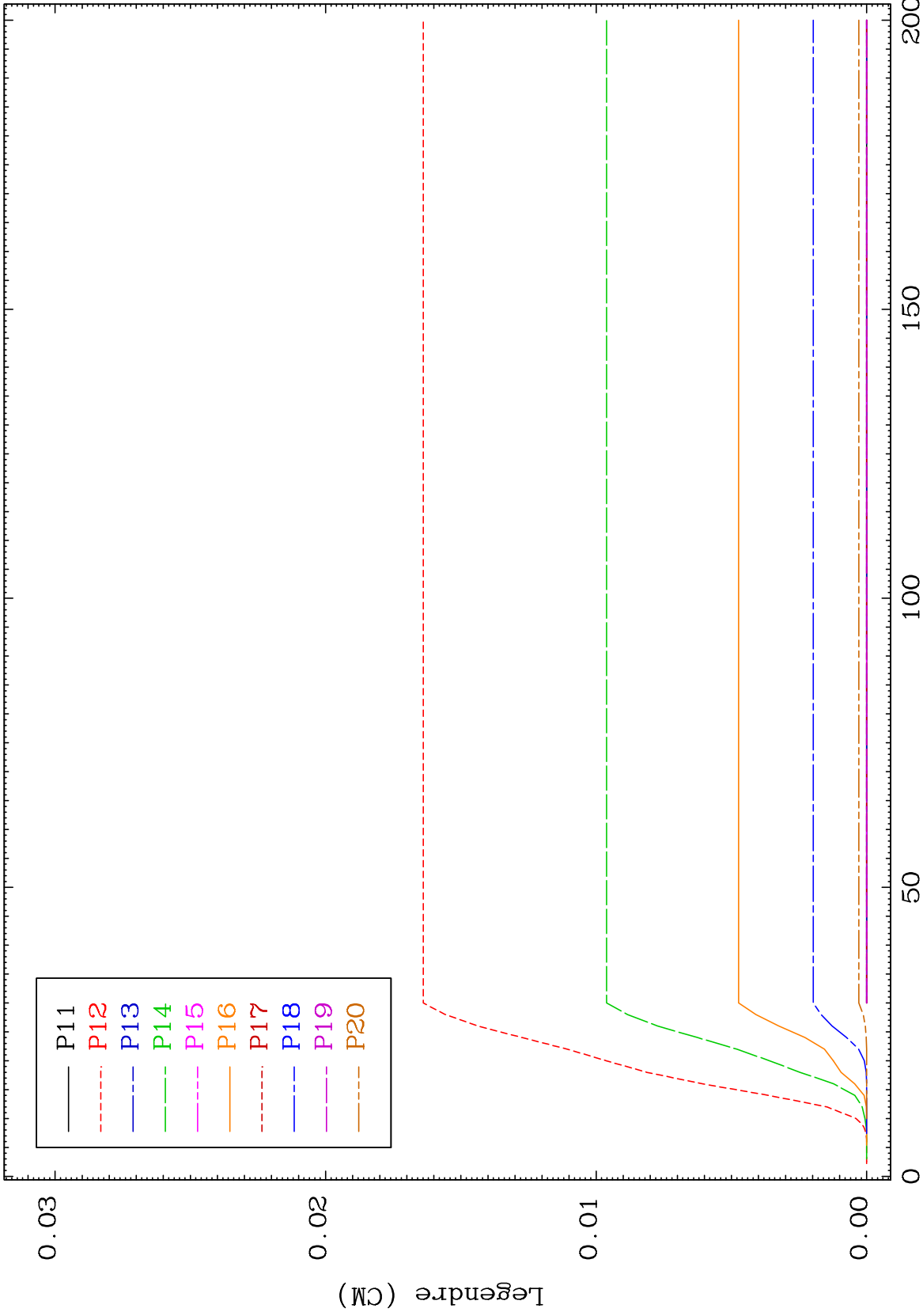


32 Incident Energy (MeV) 58-Ce-148

MAT 5861

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

58-Ce-148



33

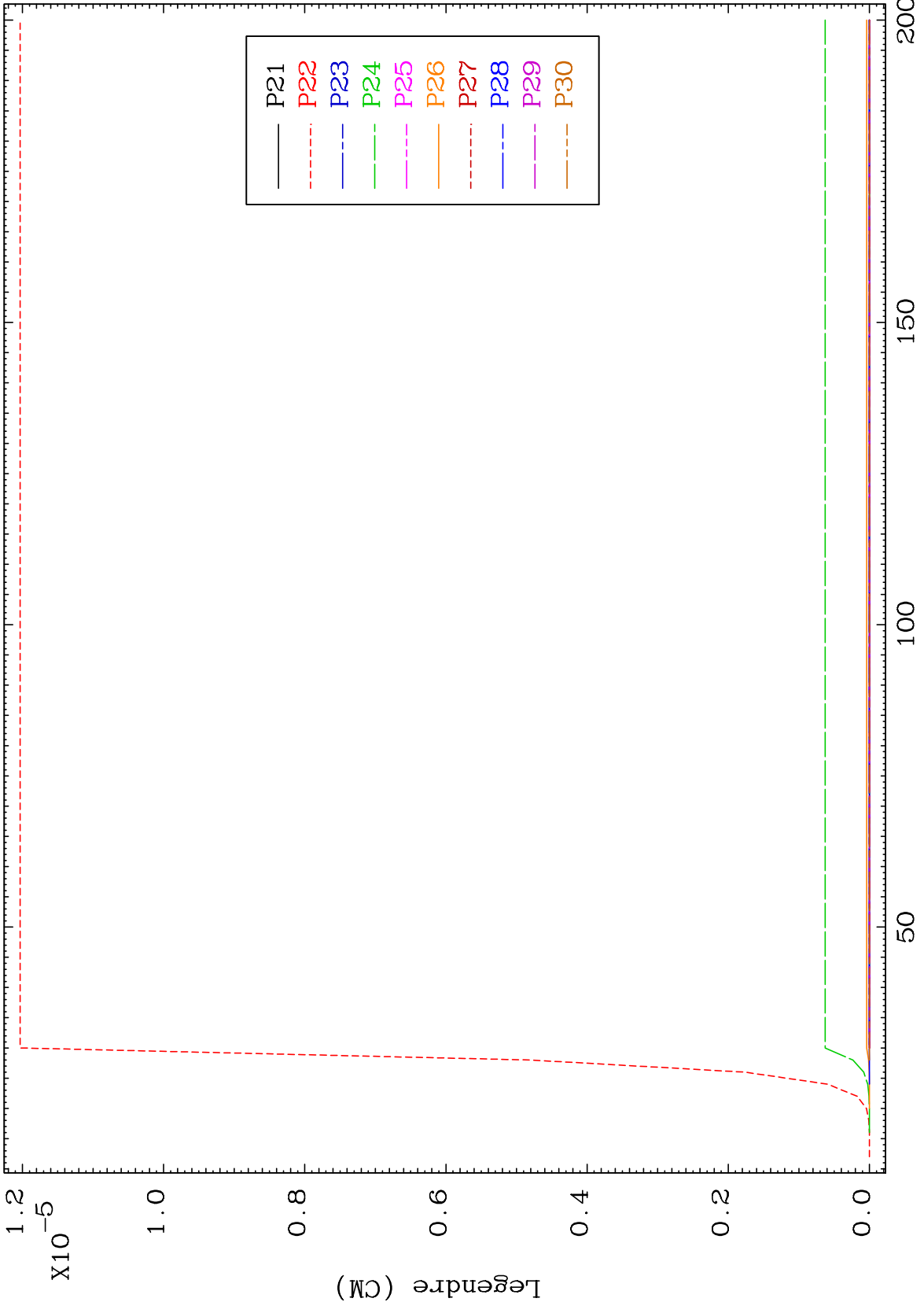
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



58-Ce-148

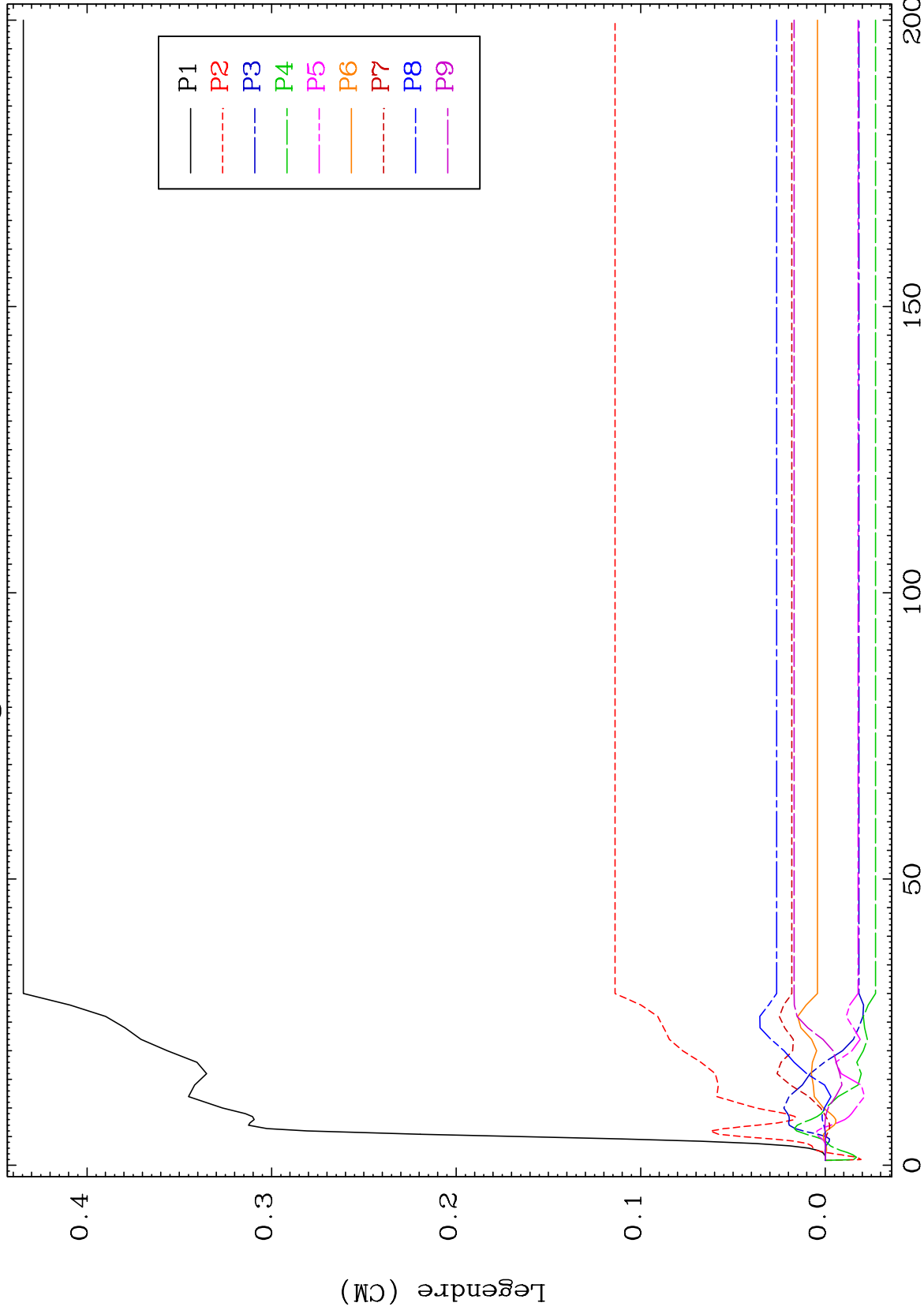
Incident Energy (MeV)

34

MAT 5861

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

58-Ce-148



35

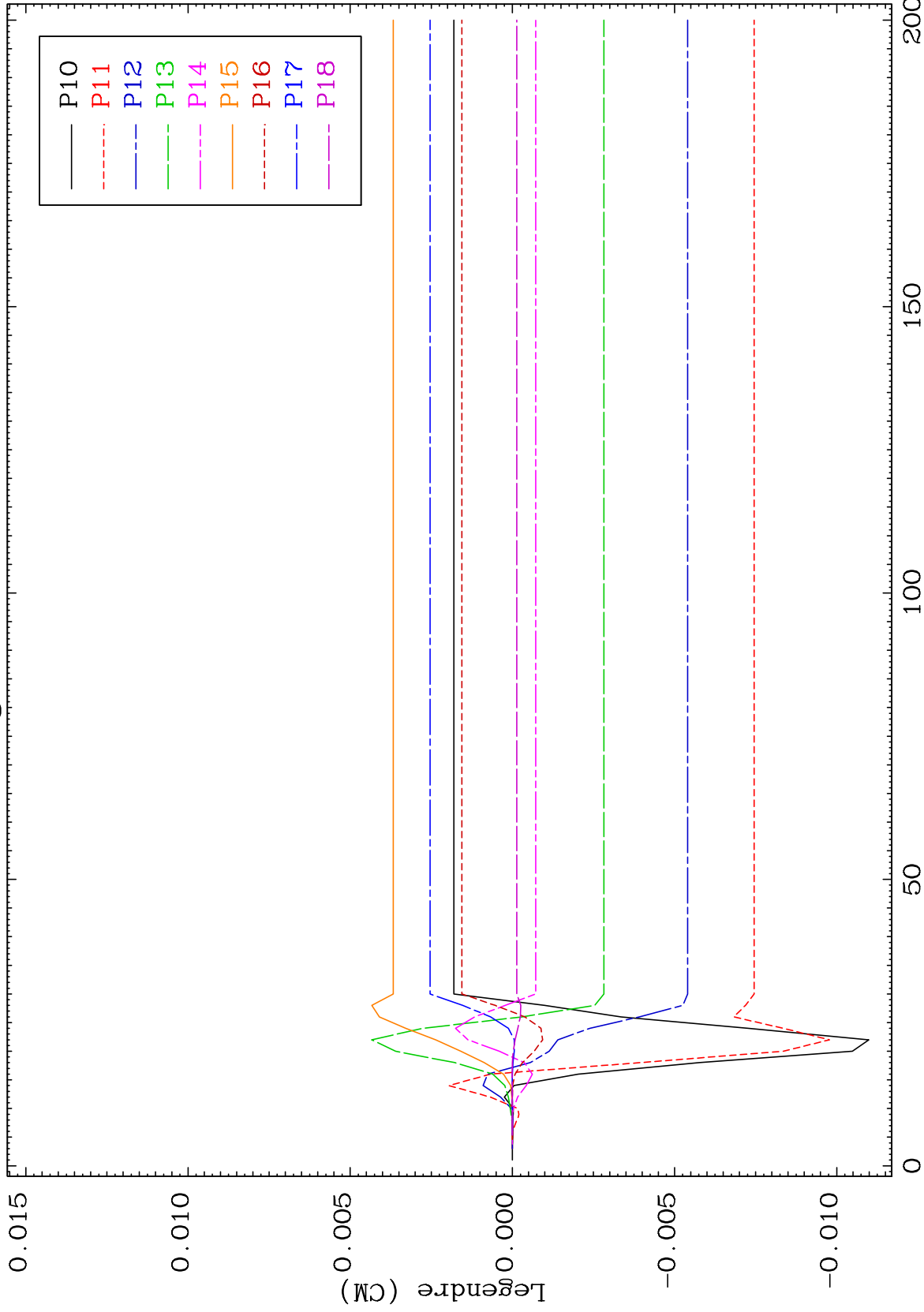
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



36

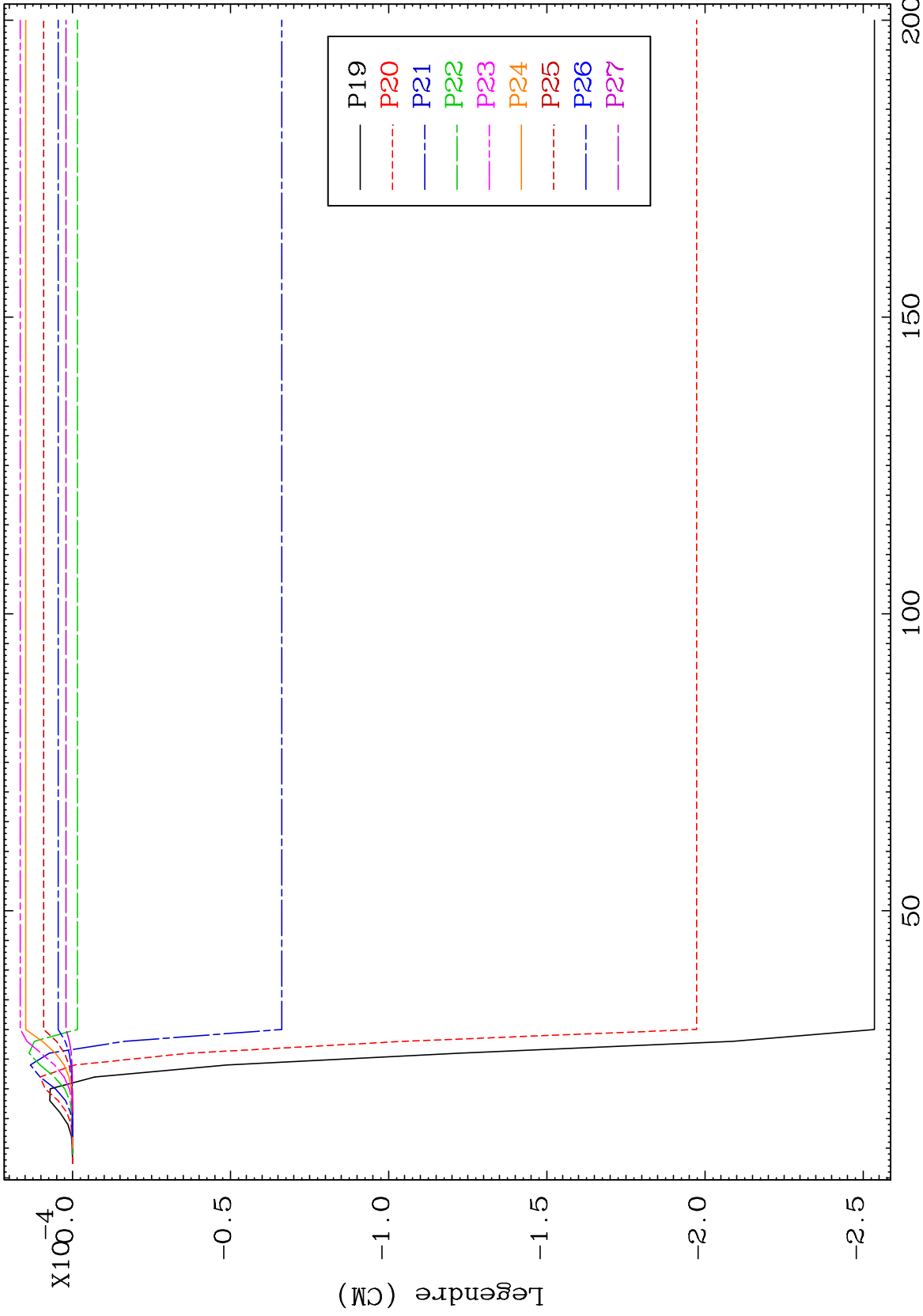
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



37

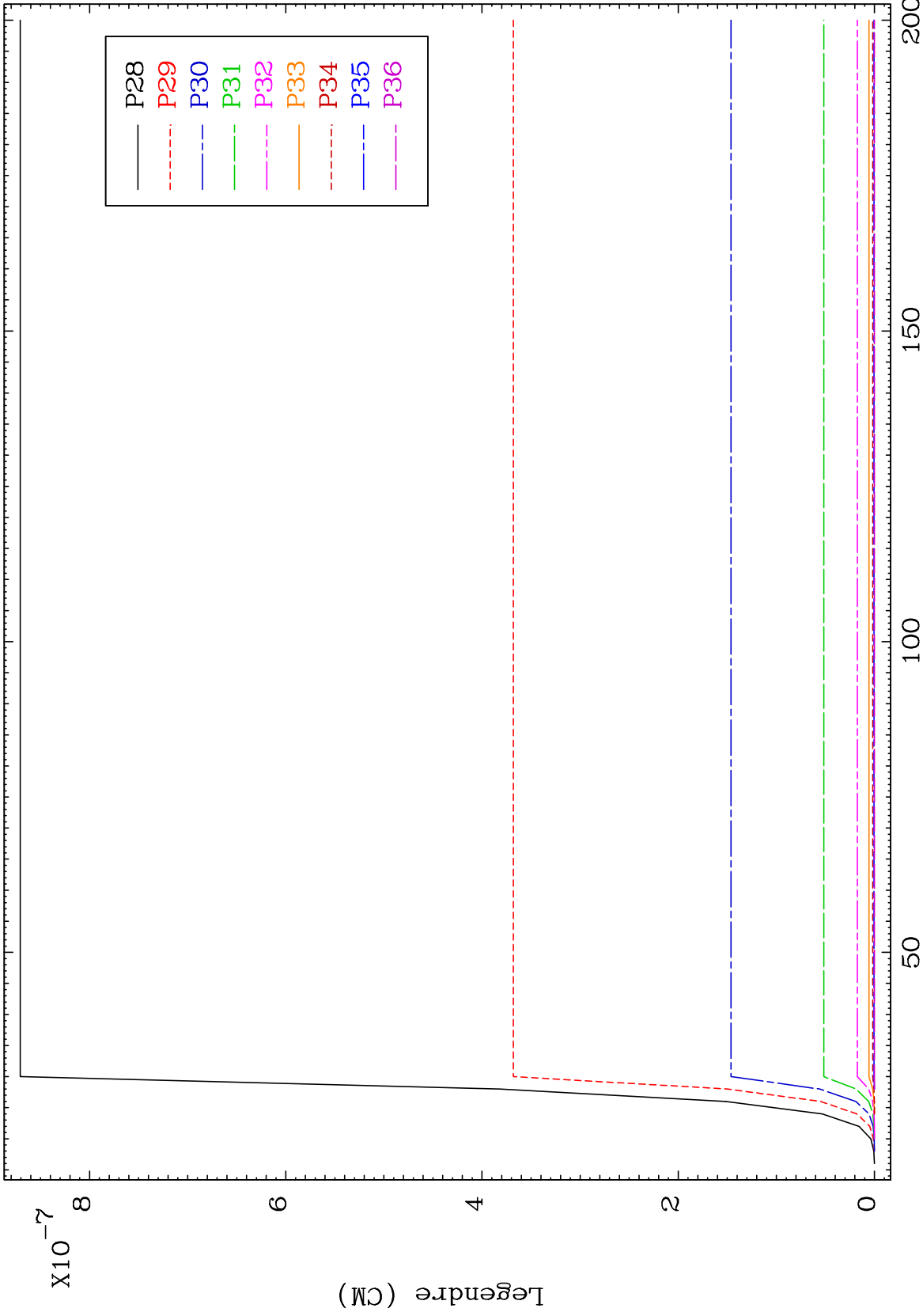
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



38

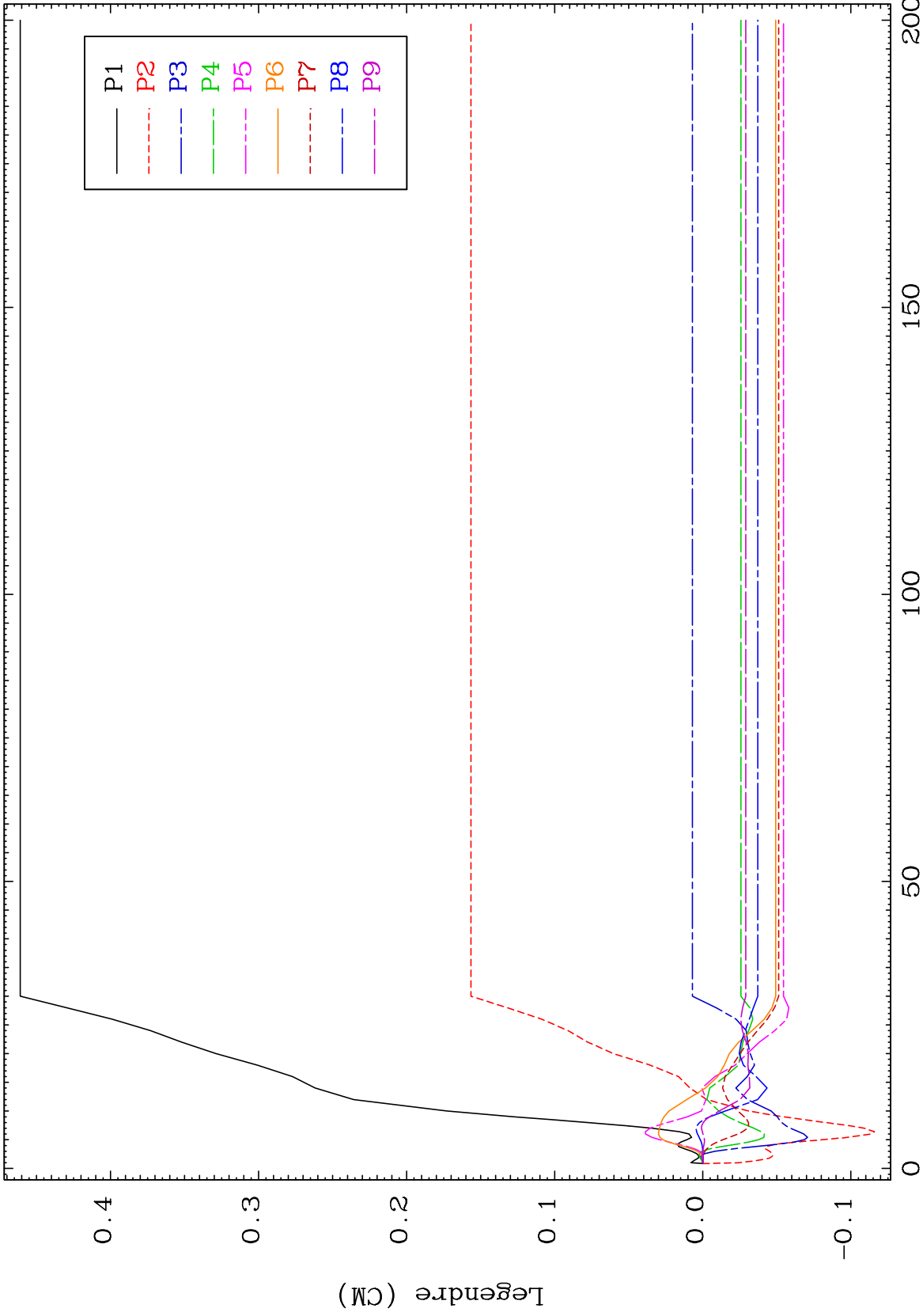
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



39

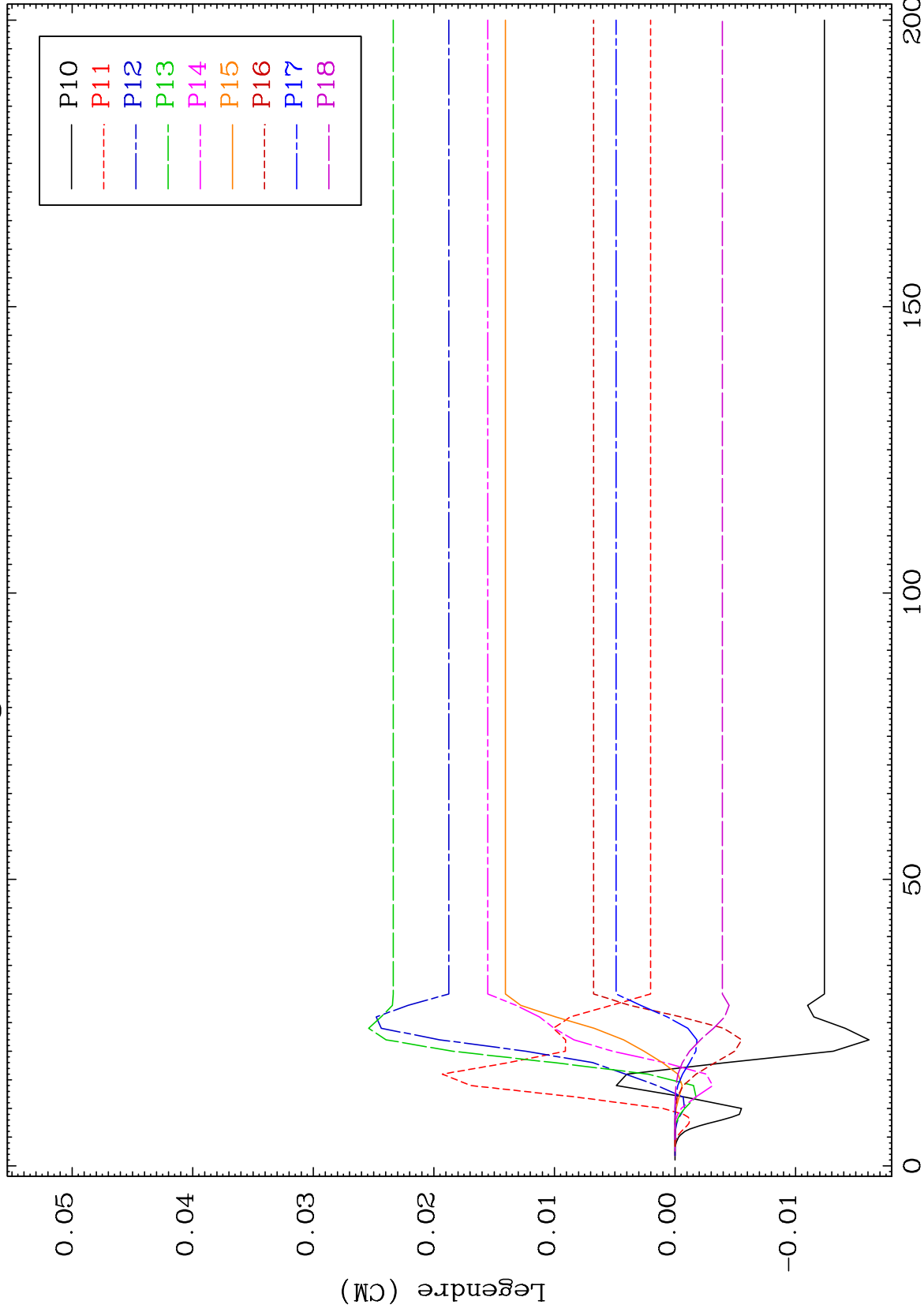
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



0

50

100

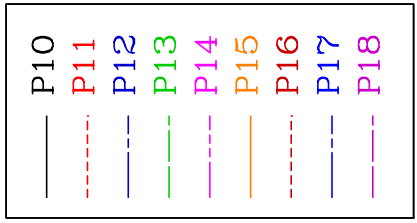
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200

Incident Energy (MeV)

58-Ce-148

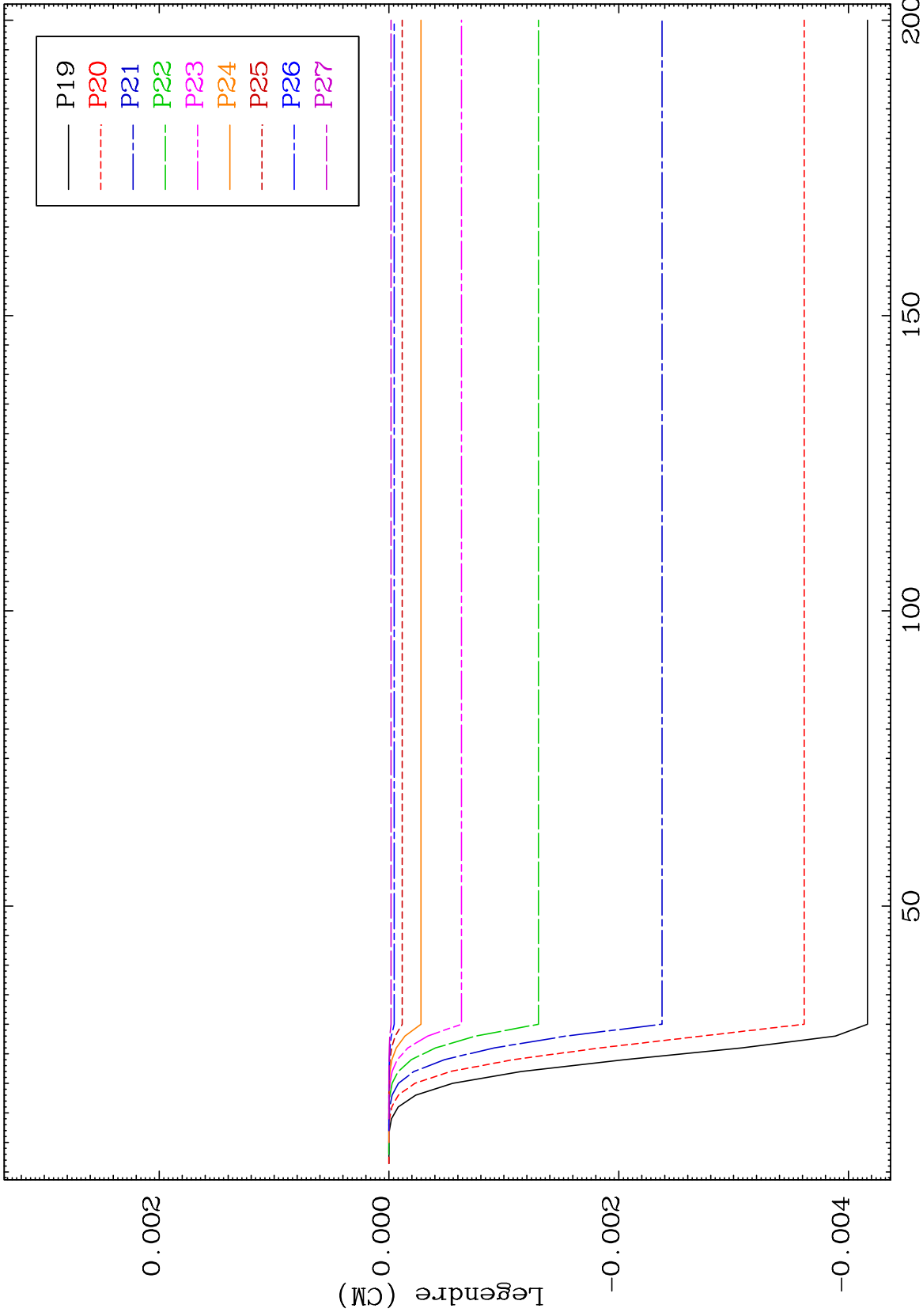
Legendre (CM)



MAT 5861

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

58-Ce-148



41

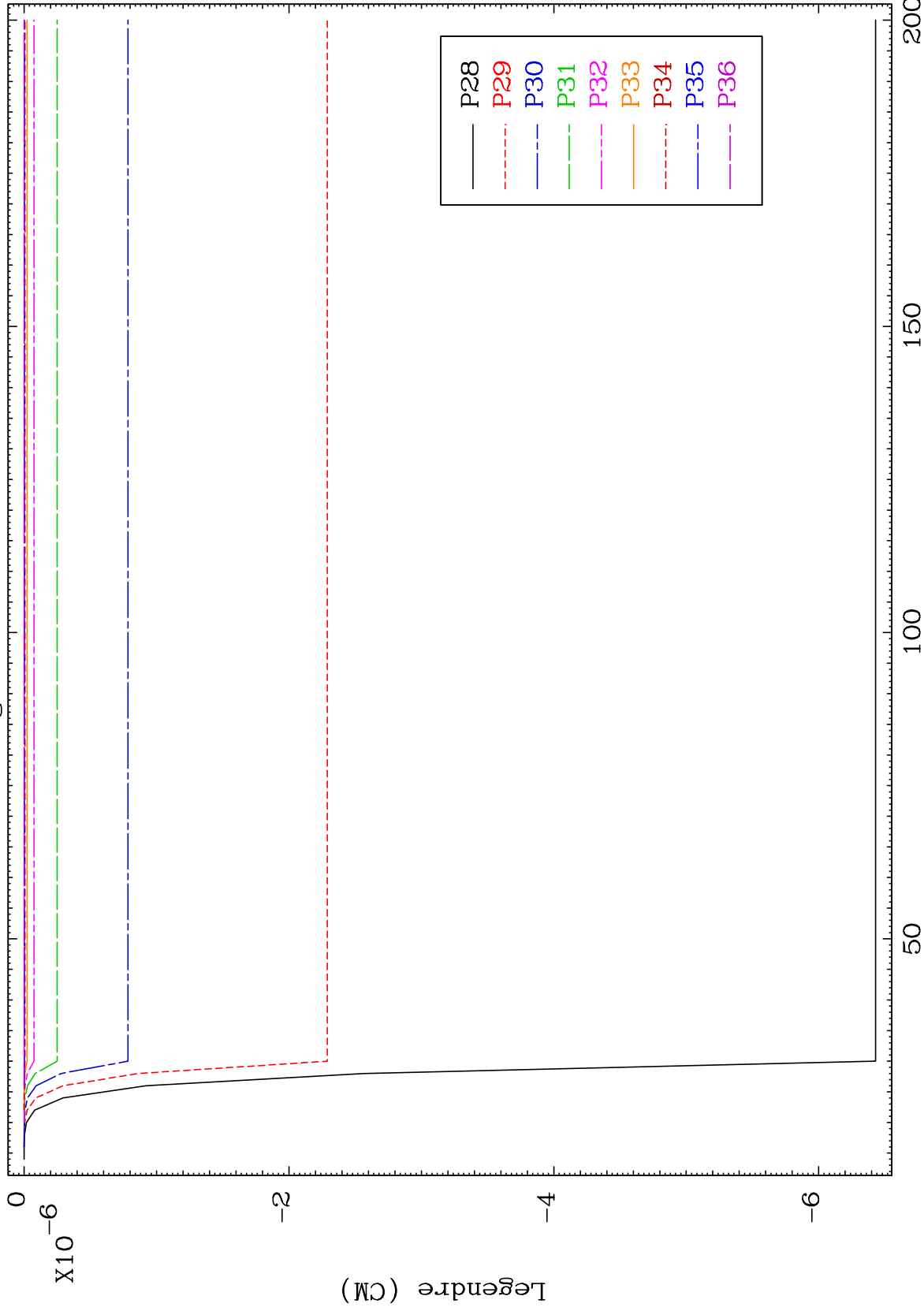
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

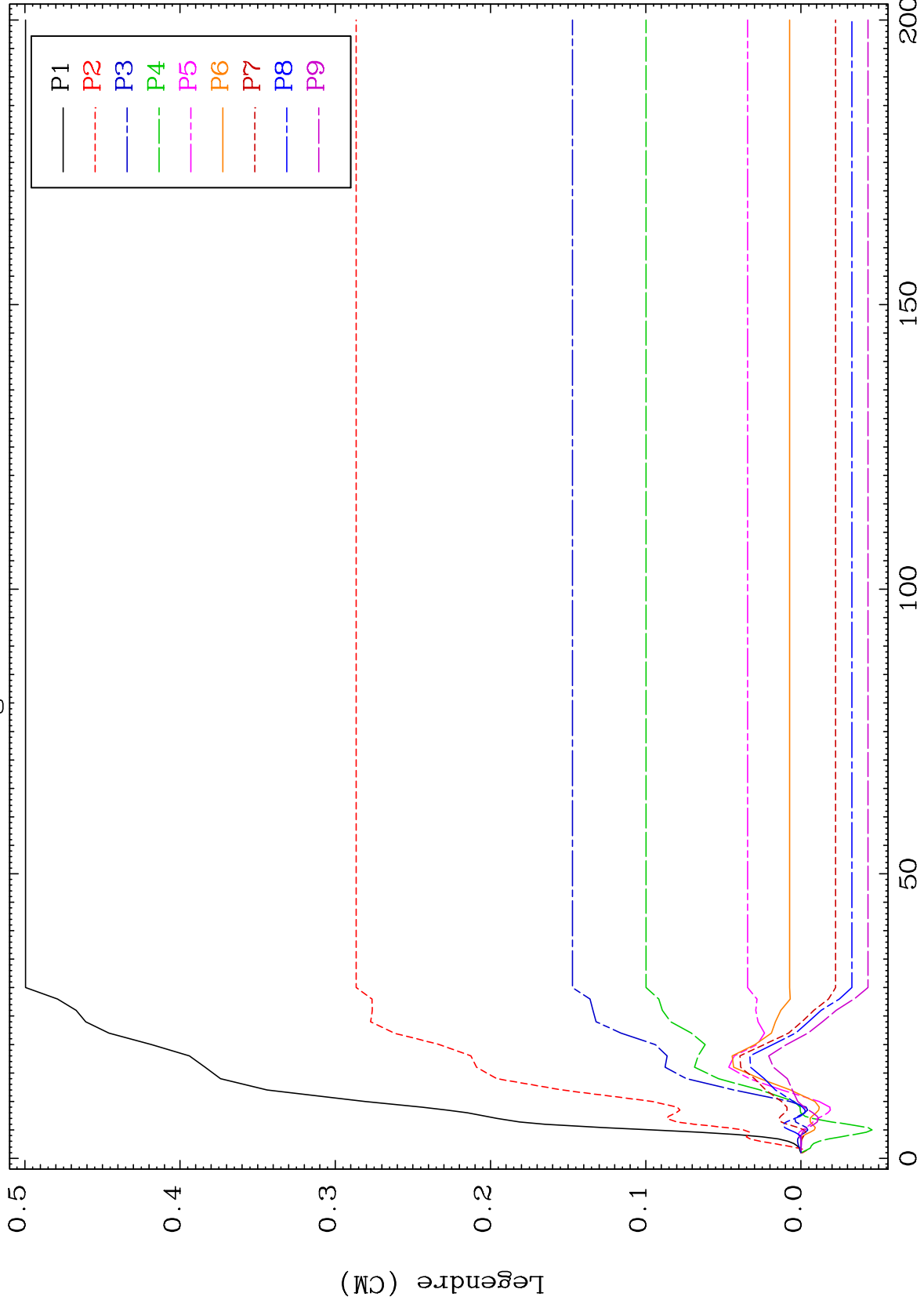
58-Ce-148



MAT 5861

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

58-Ce-148



43

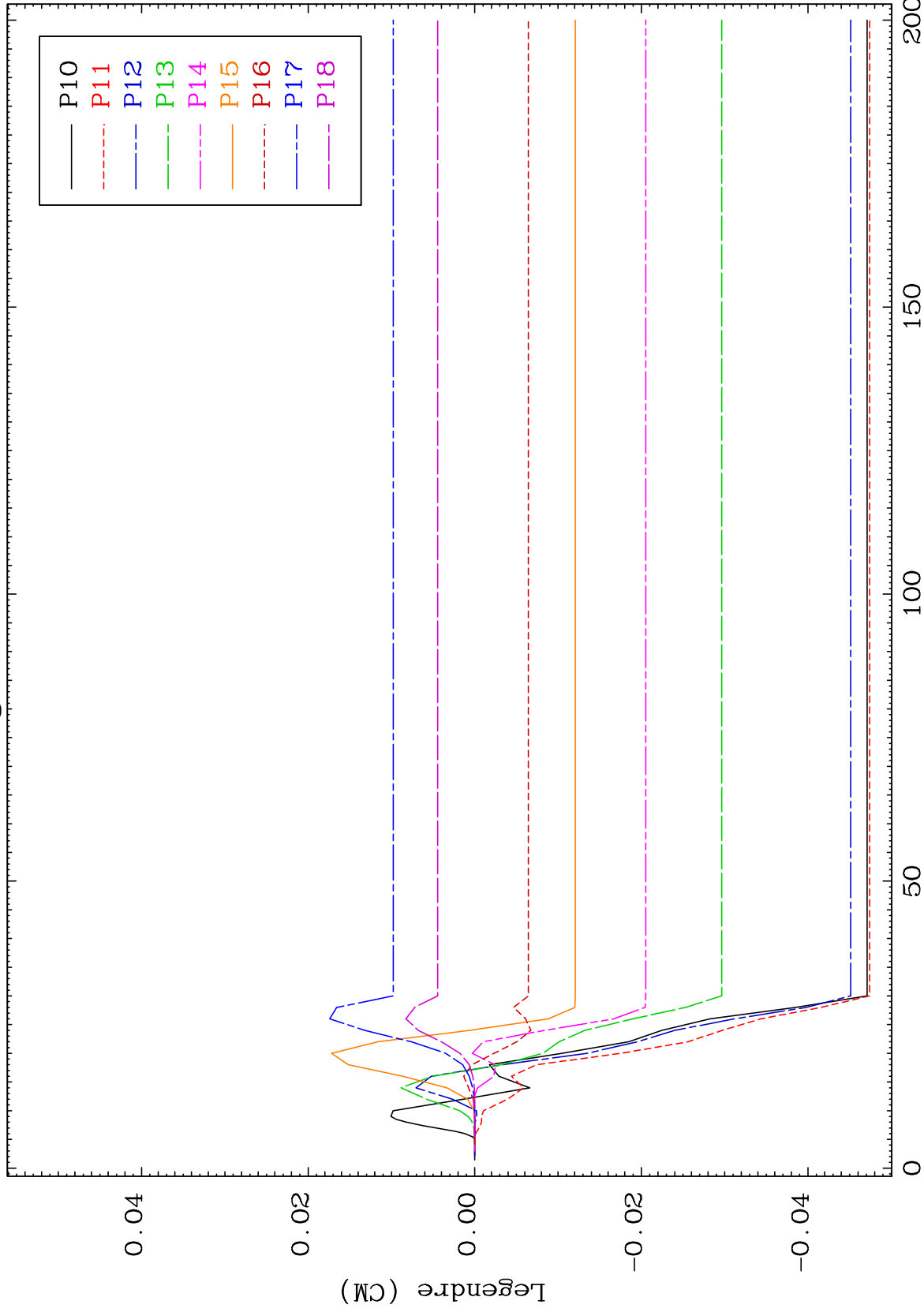
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



44

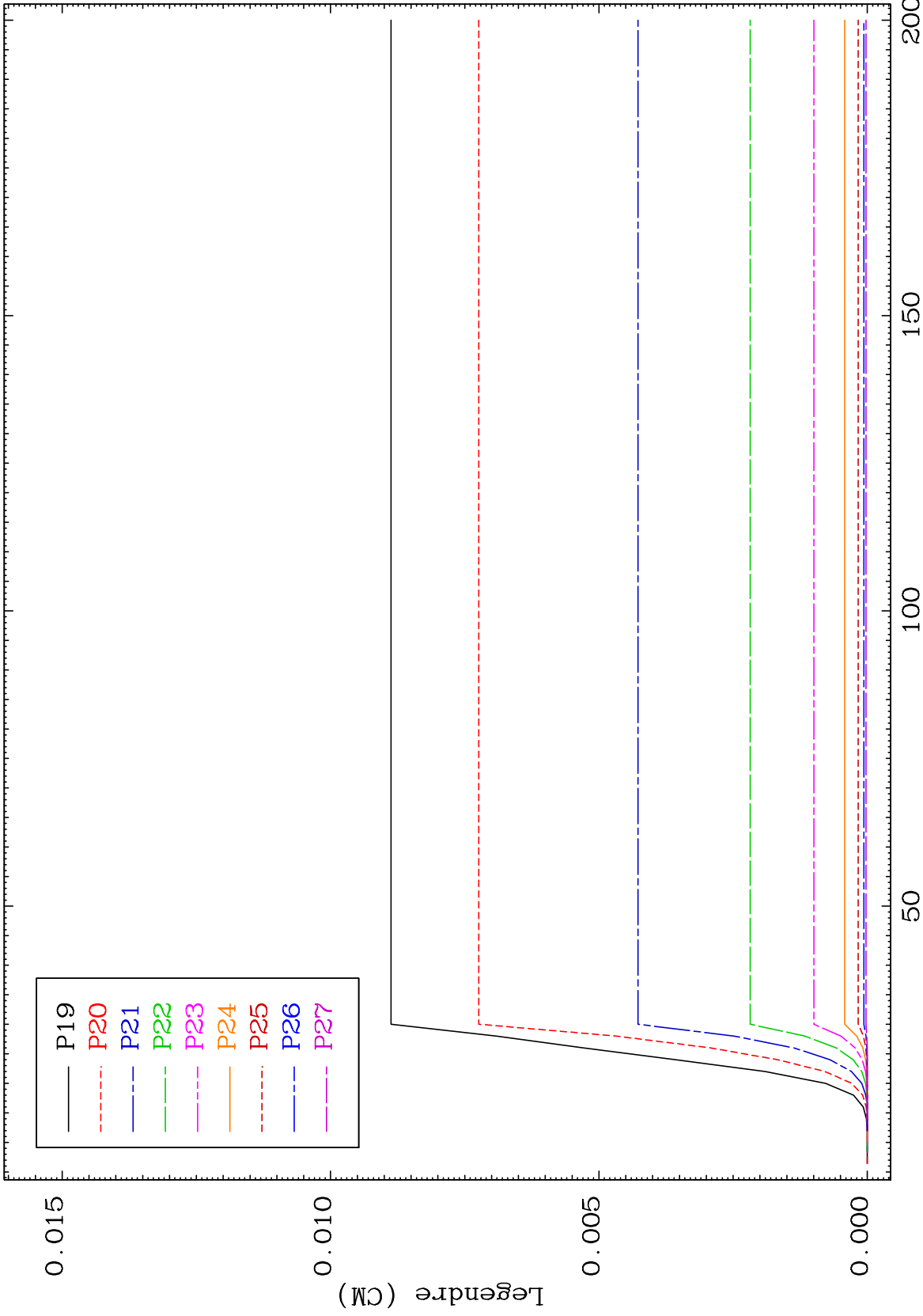
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



45

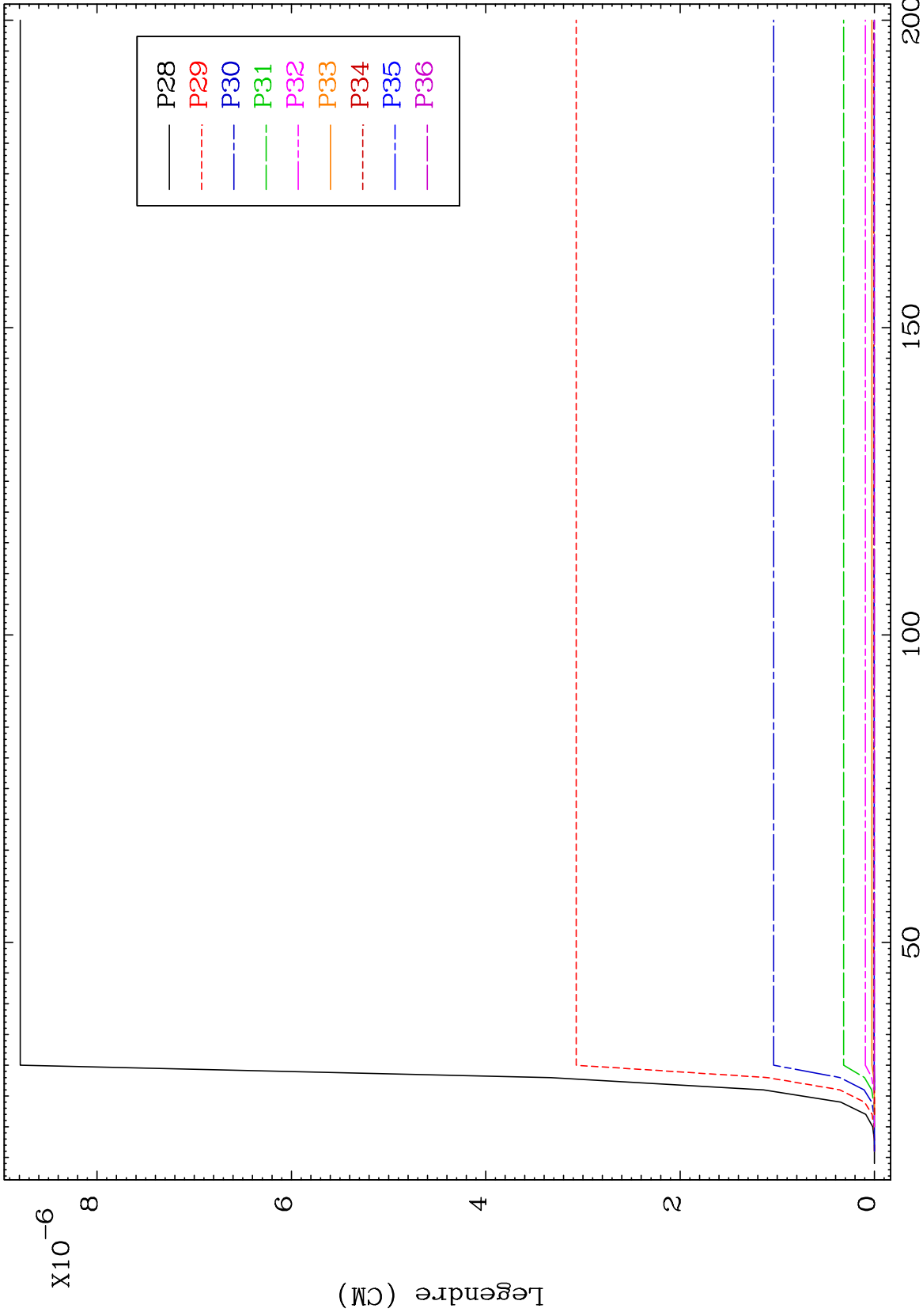
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



46

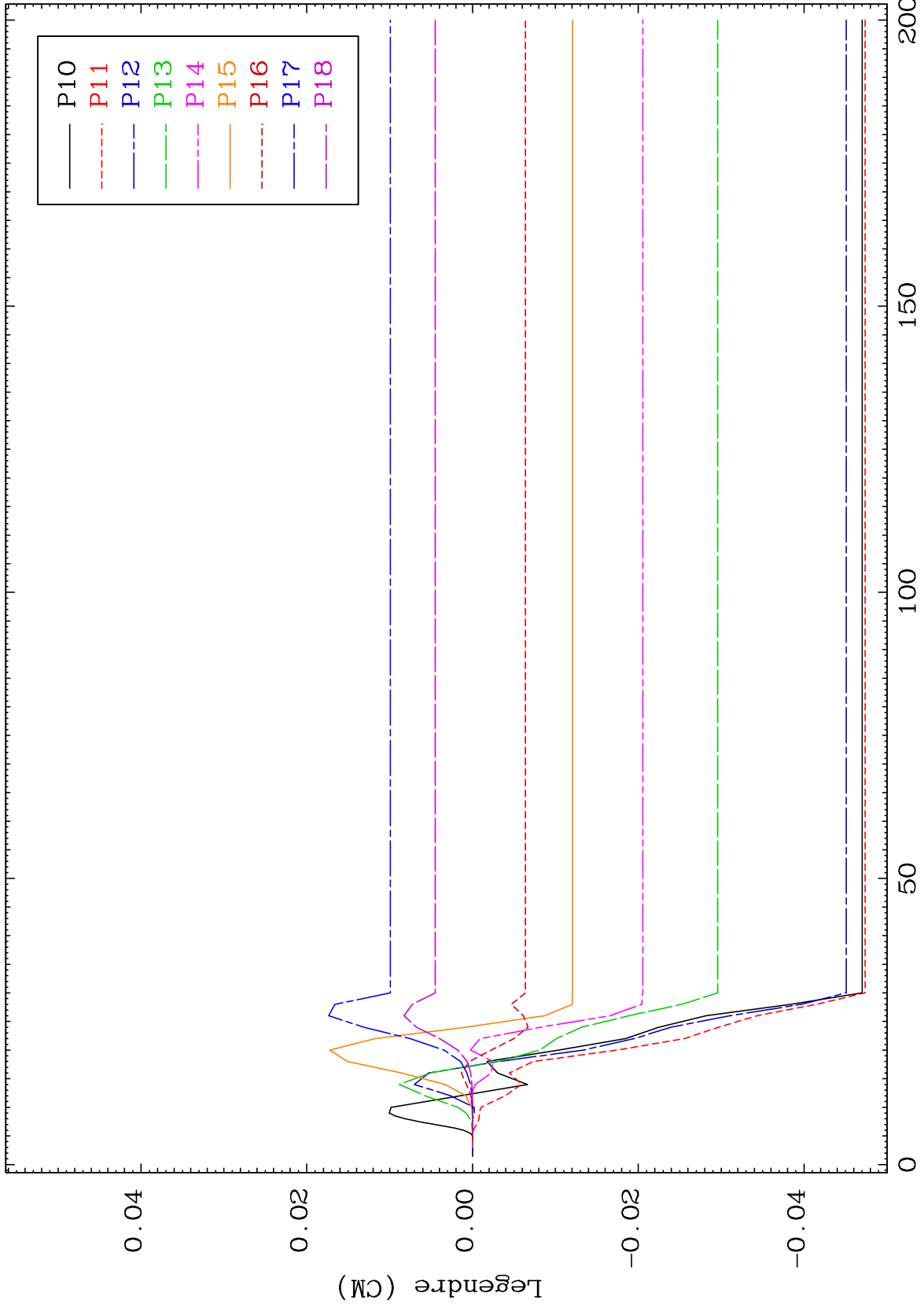
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



48

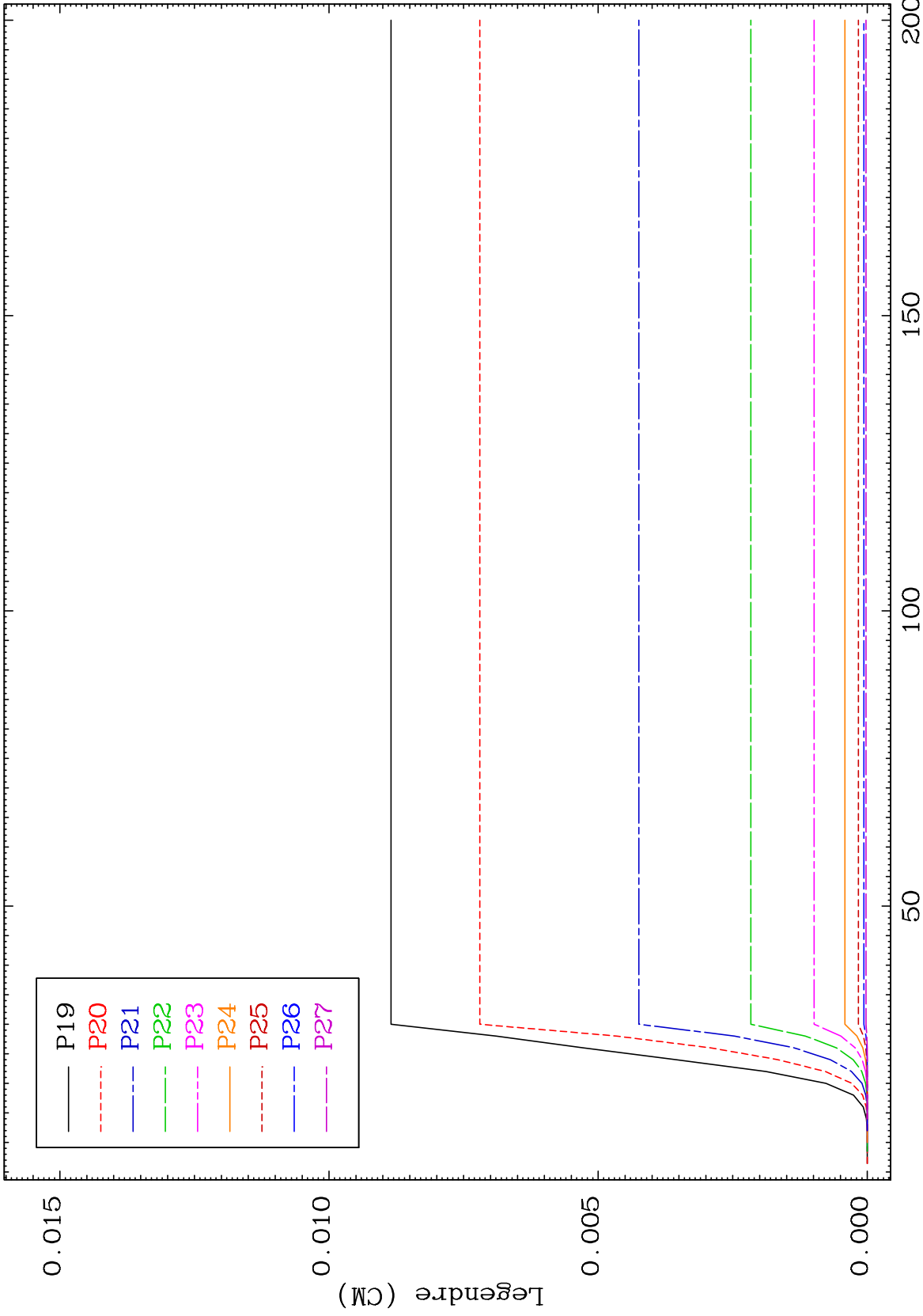
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



49

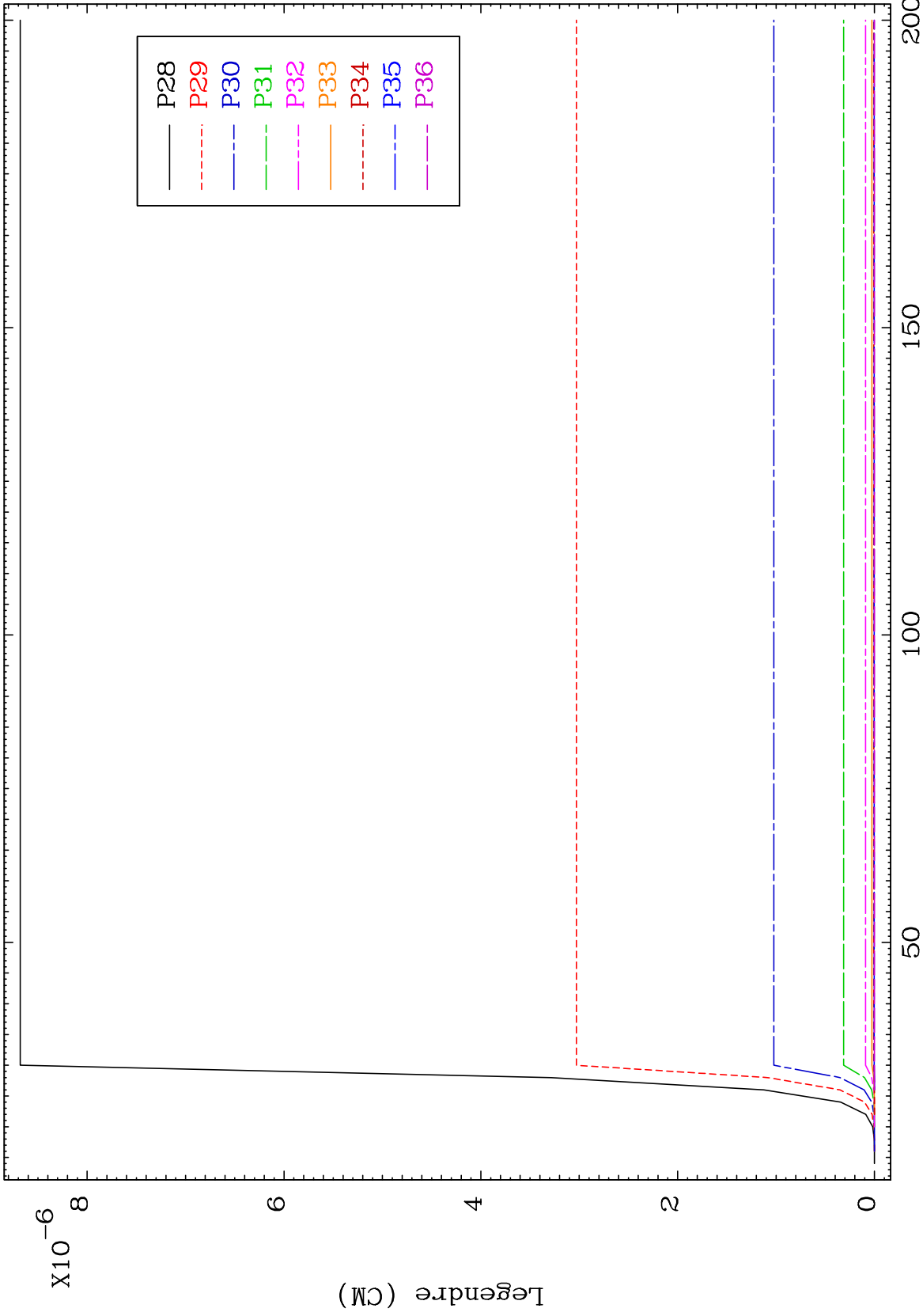
Incident Energy (MeV)

58-Ce-148

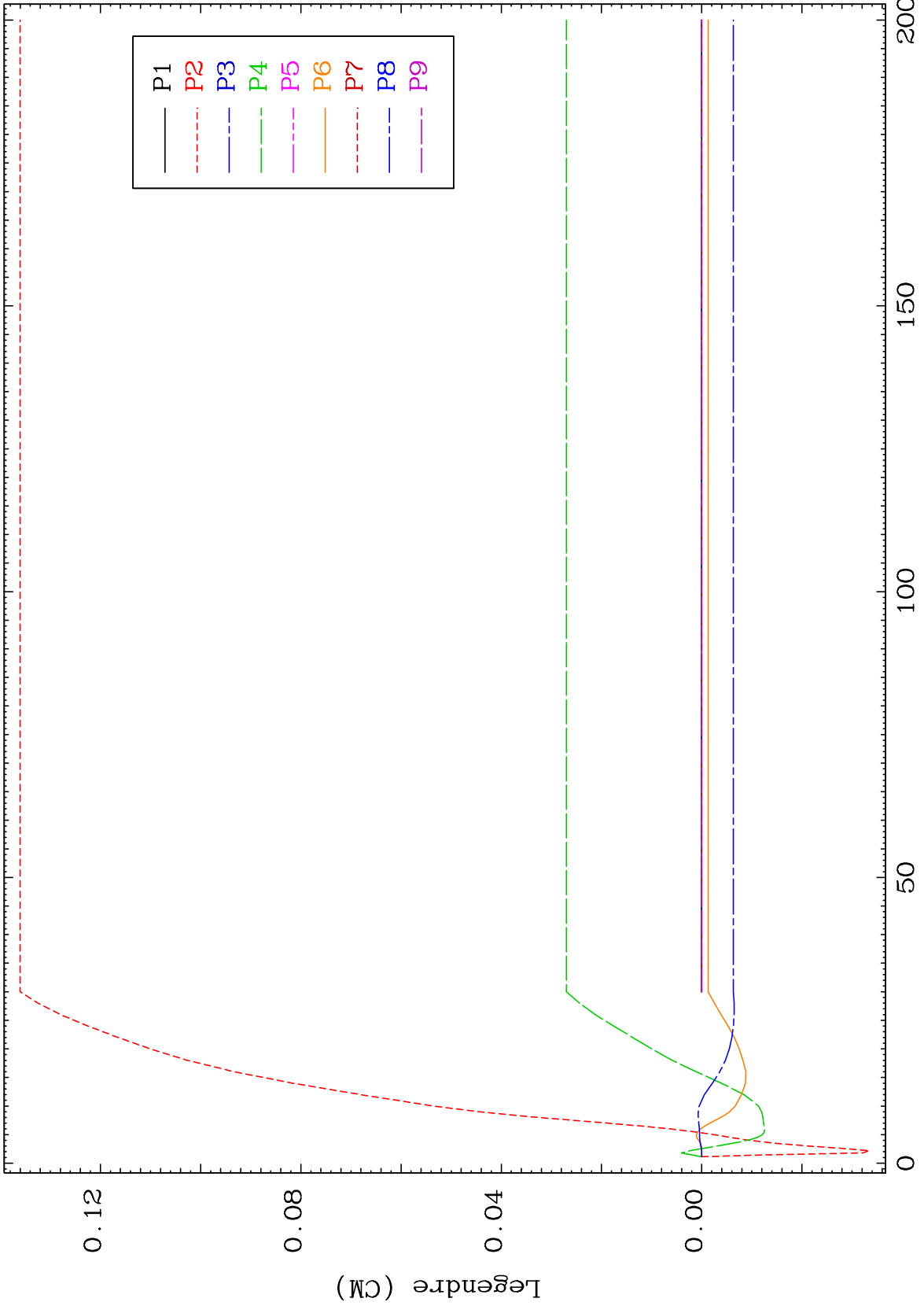
MAT 5861

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

58-Ce-148



MAT 5861 MT= 59 (n,n') Level Legendre Coefficients 58-Ce-148

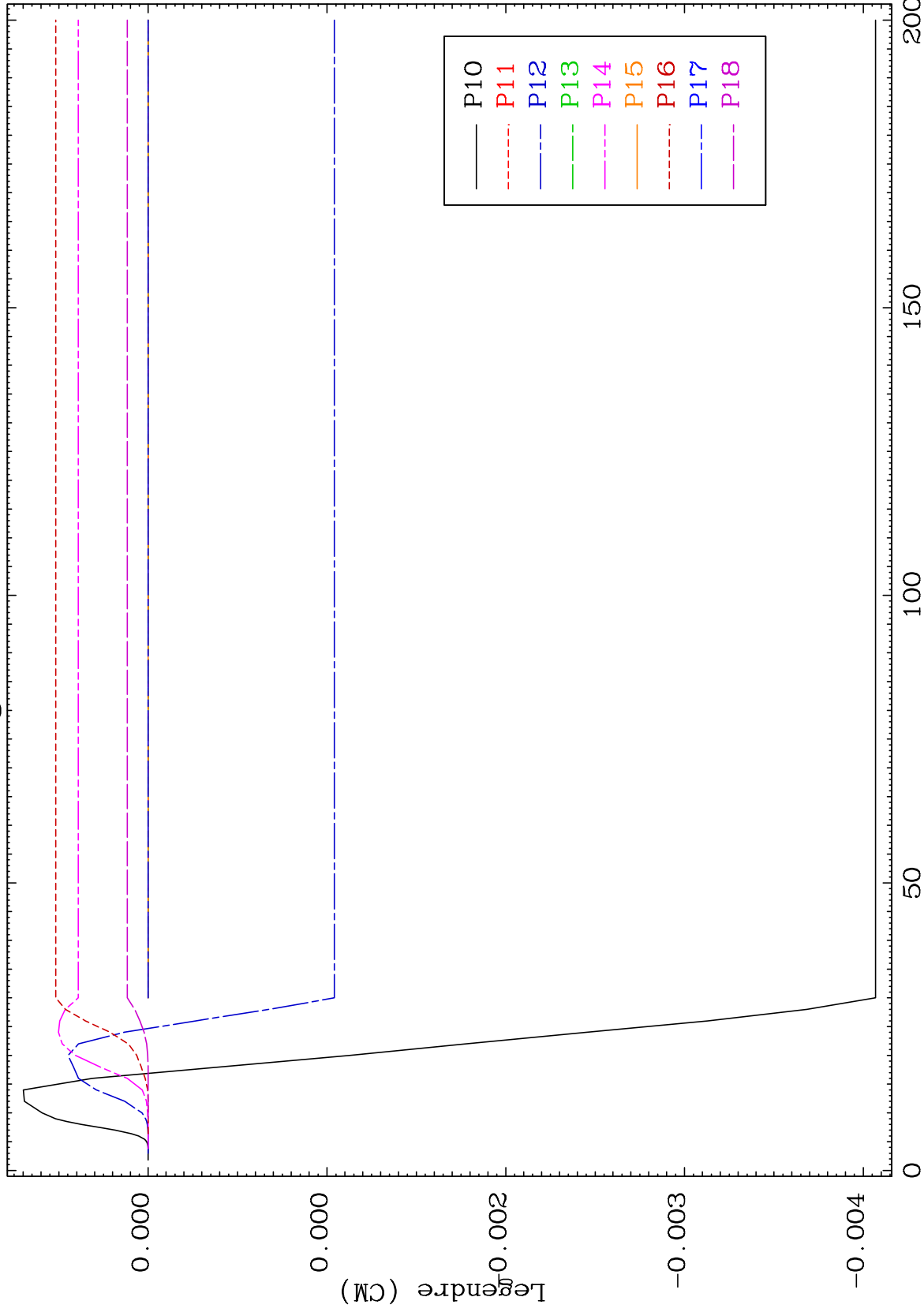


51 58-Ce-148

MAT 5861

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

58-Ce-148

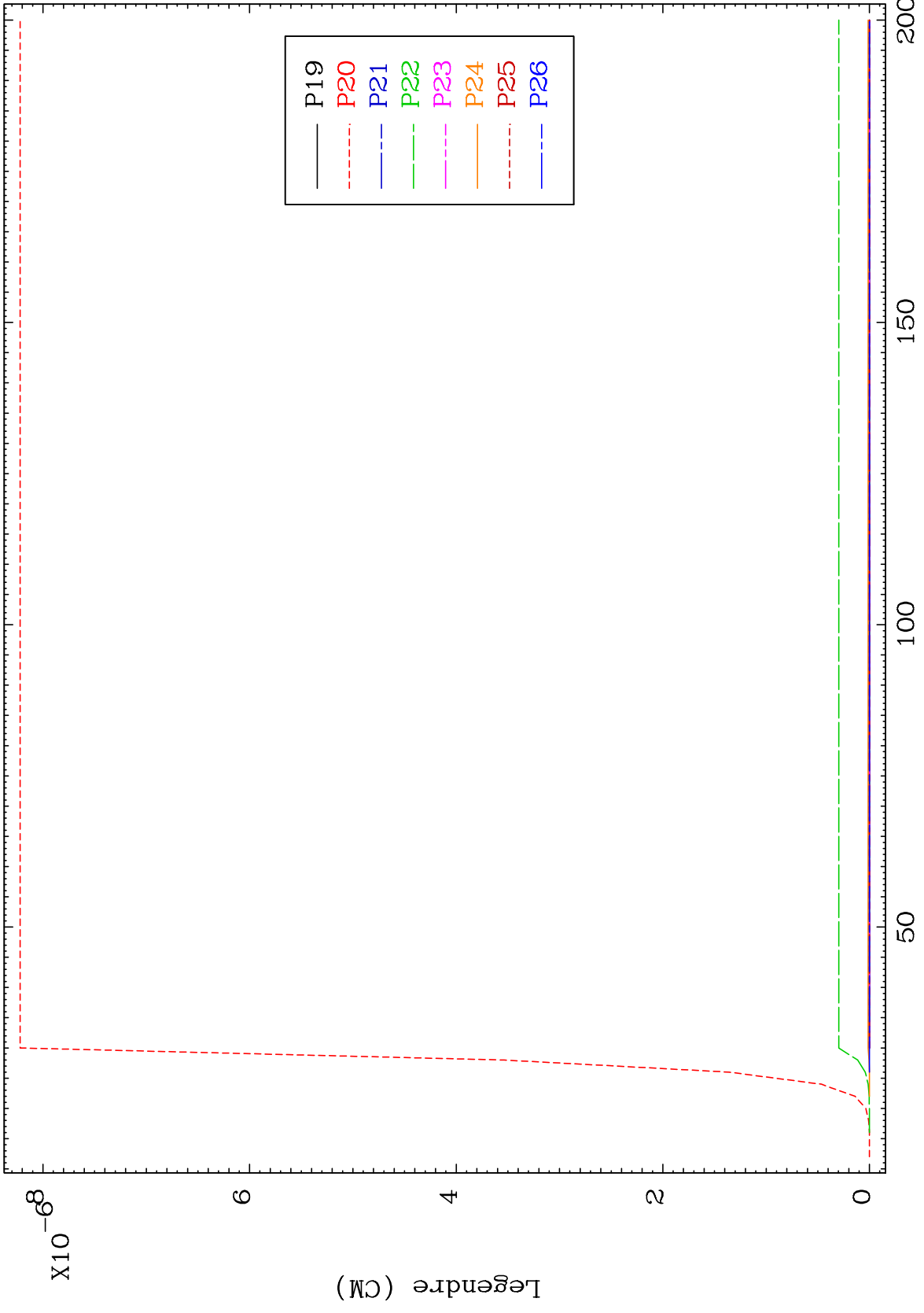


52

Incident Energy (MeV)

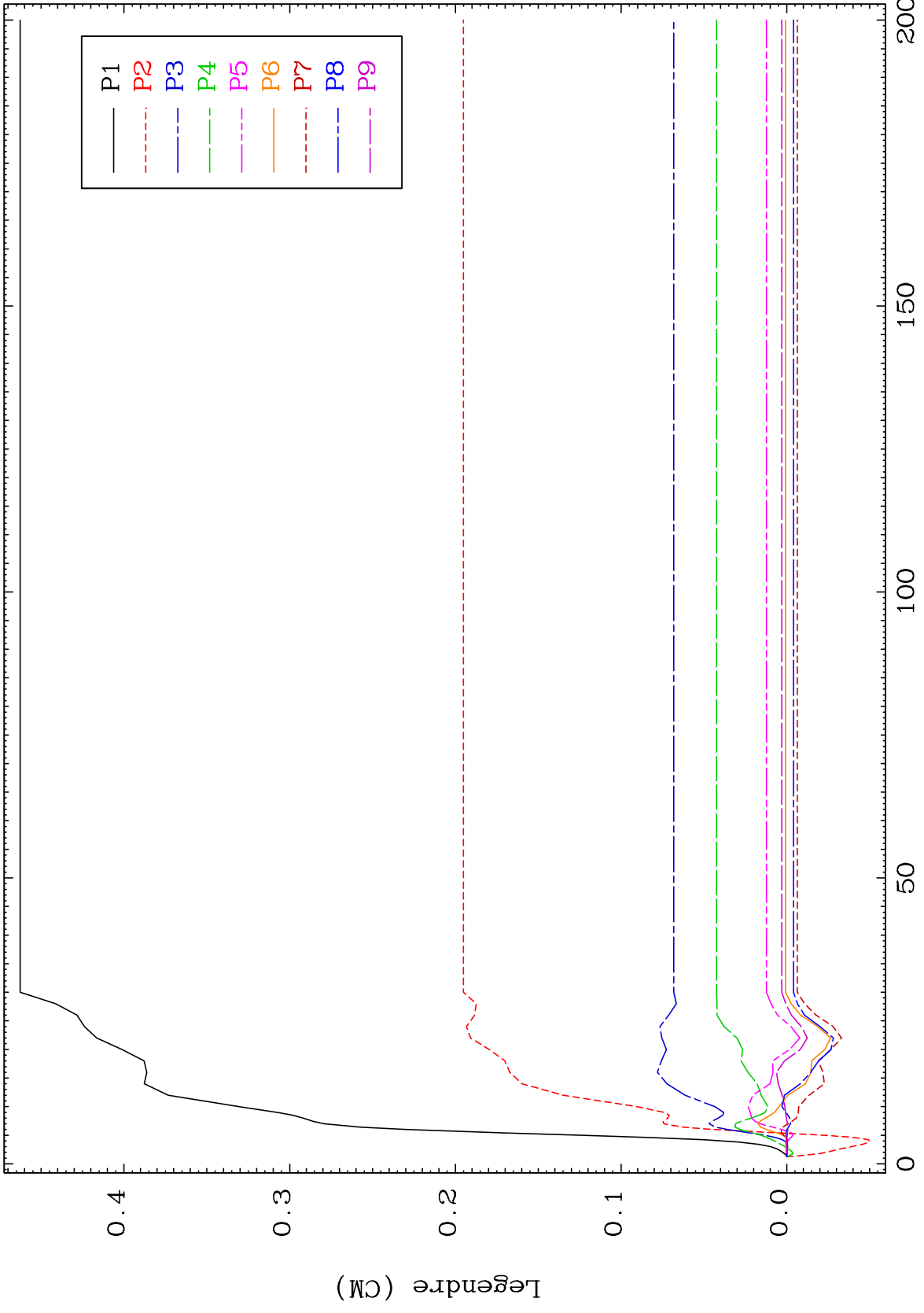
58-Ce-148

MAT 5861 MT= 59 (n,n') Level Legendre Coefficients 58-Ce-148



53 Incident Energy (MeV) 58-Ce-148

MAT 5861 MT= 60 (n,n') Level Legendre Coefficients 58-Ce-148

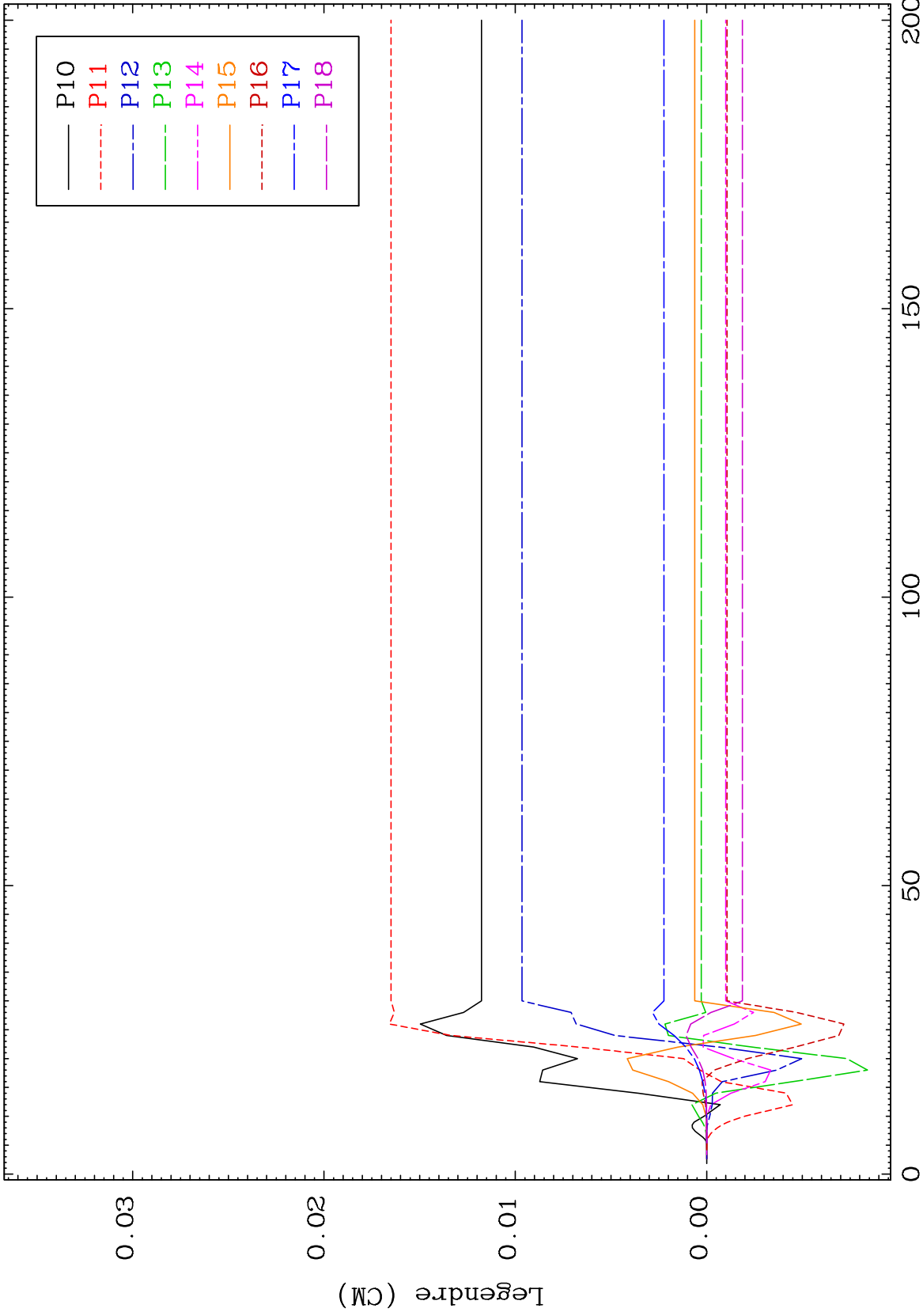


54 58-Ce-148

MAT 5861

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

58-Ce-148



55

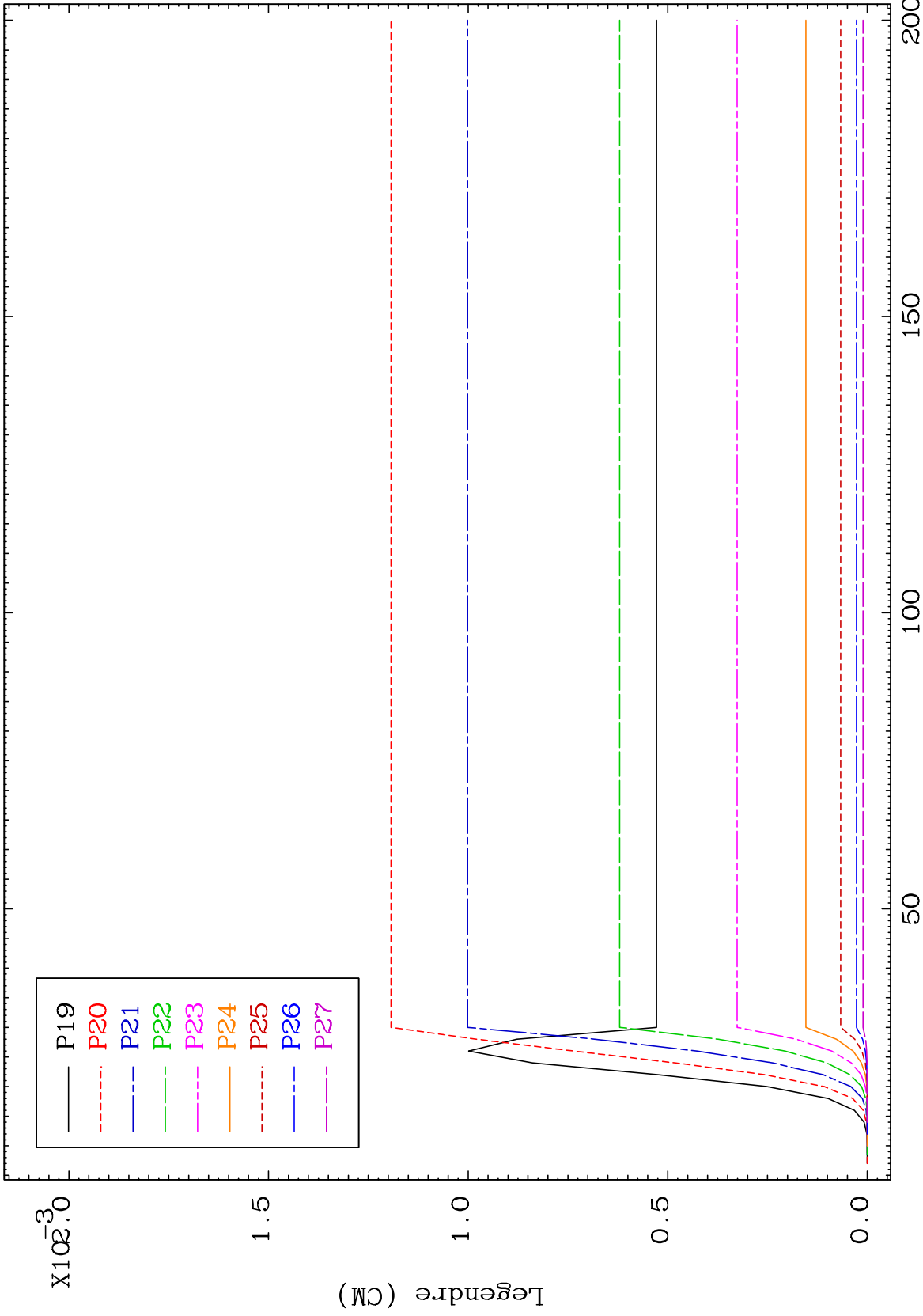
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



56

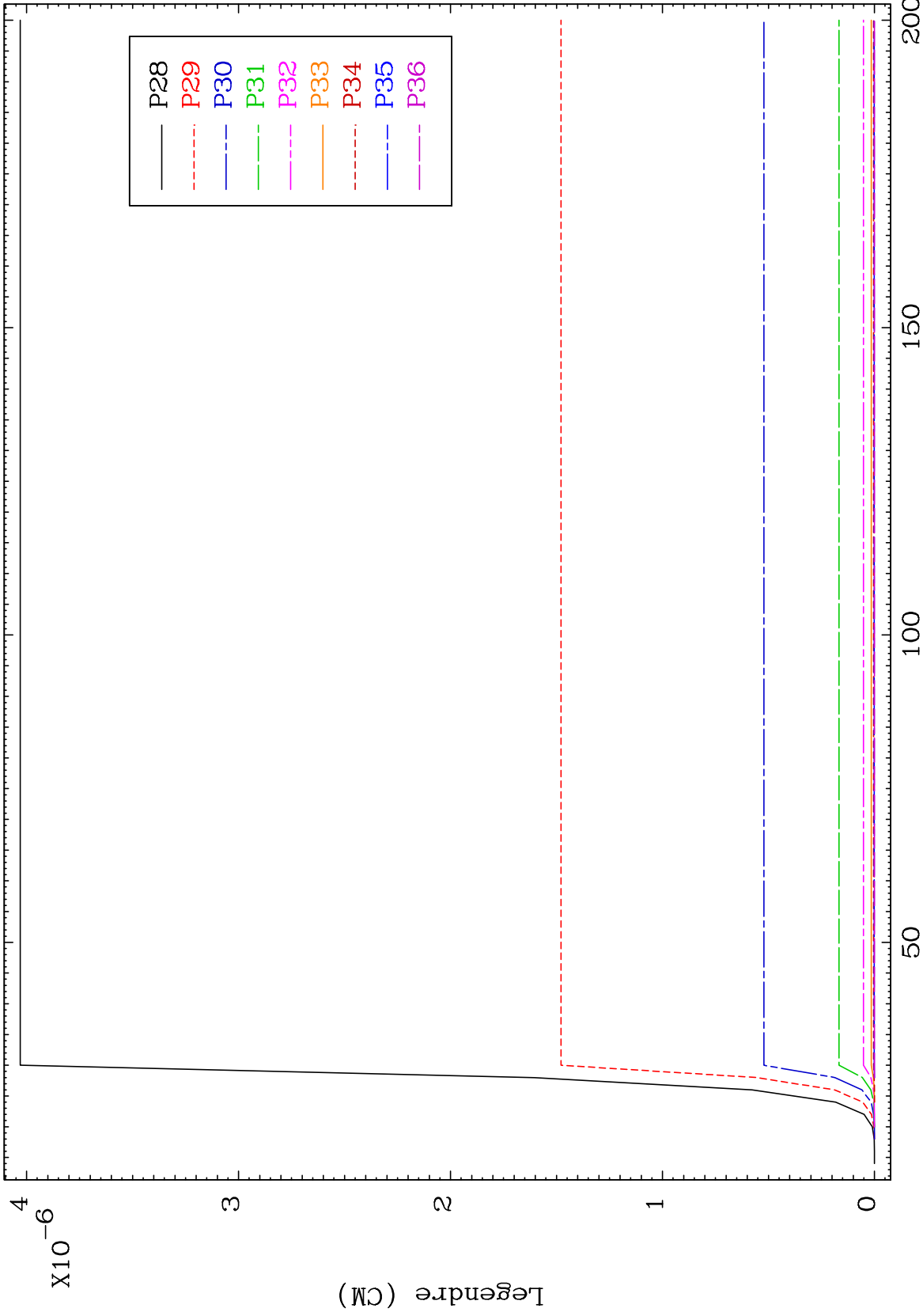
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



57

Incident Energy (MeV)

58-Ce-148

200

150

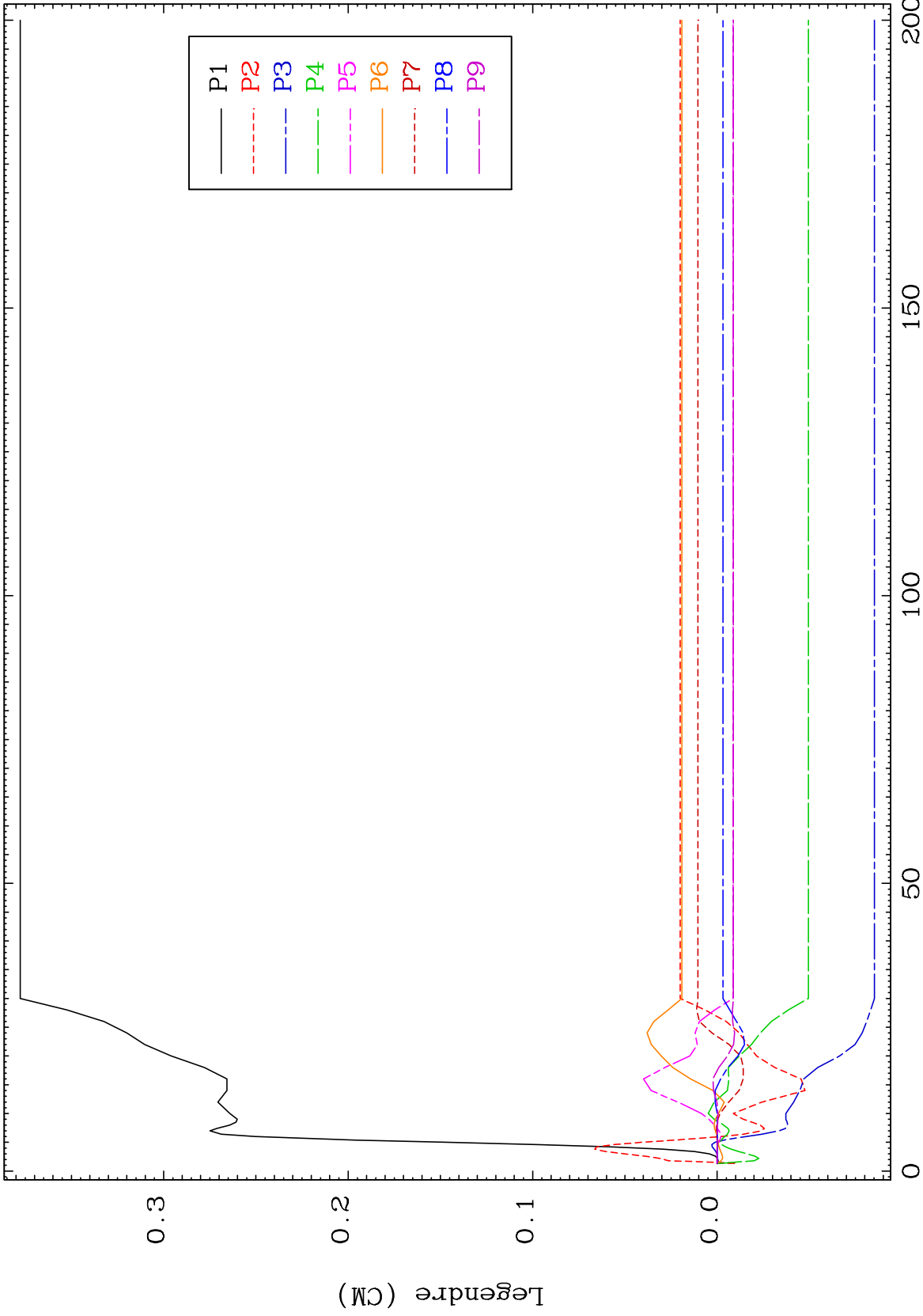
100

50

MAT 5861

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

58-Ce-148



58

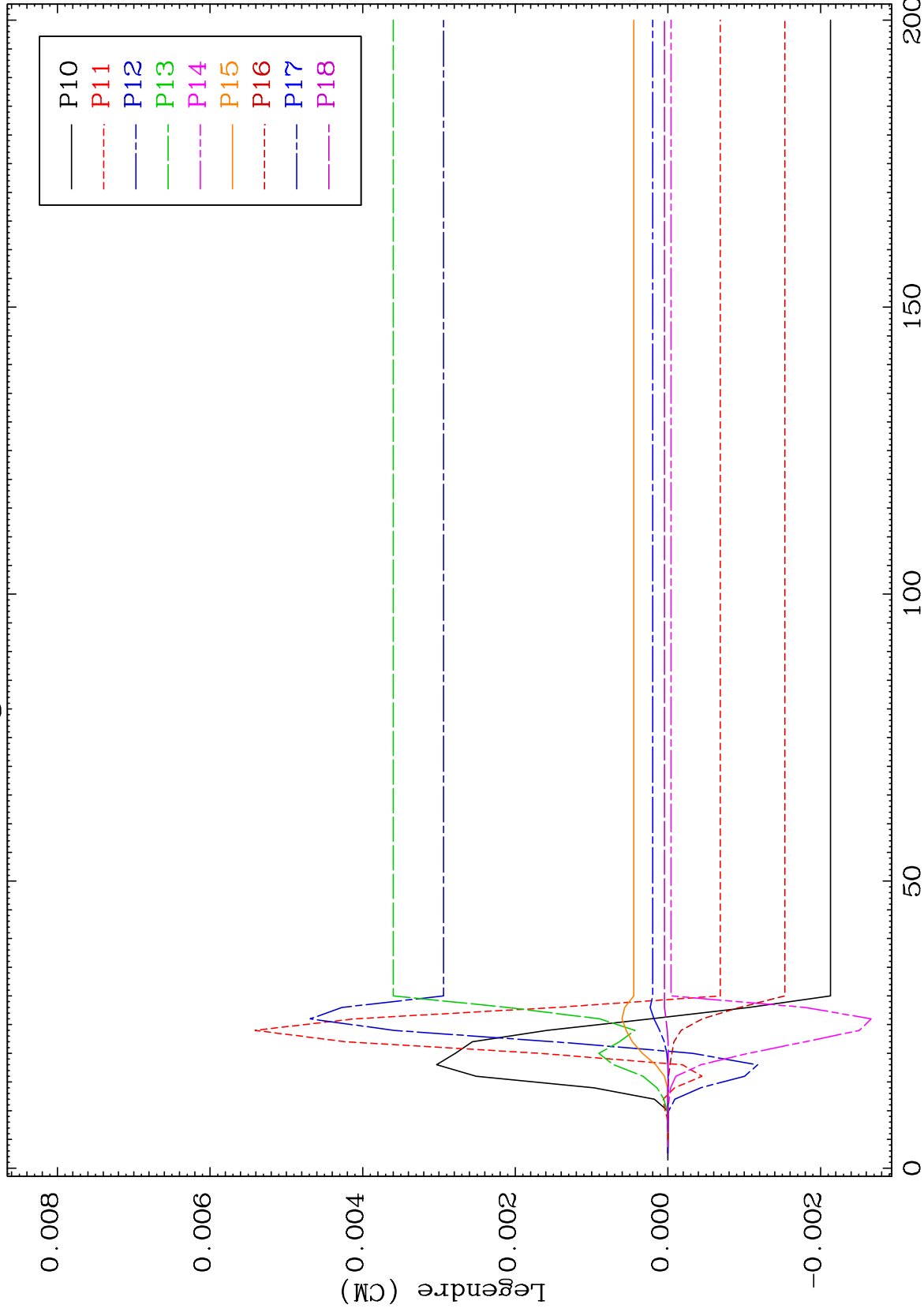
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



59

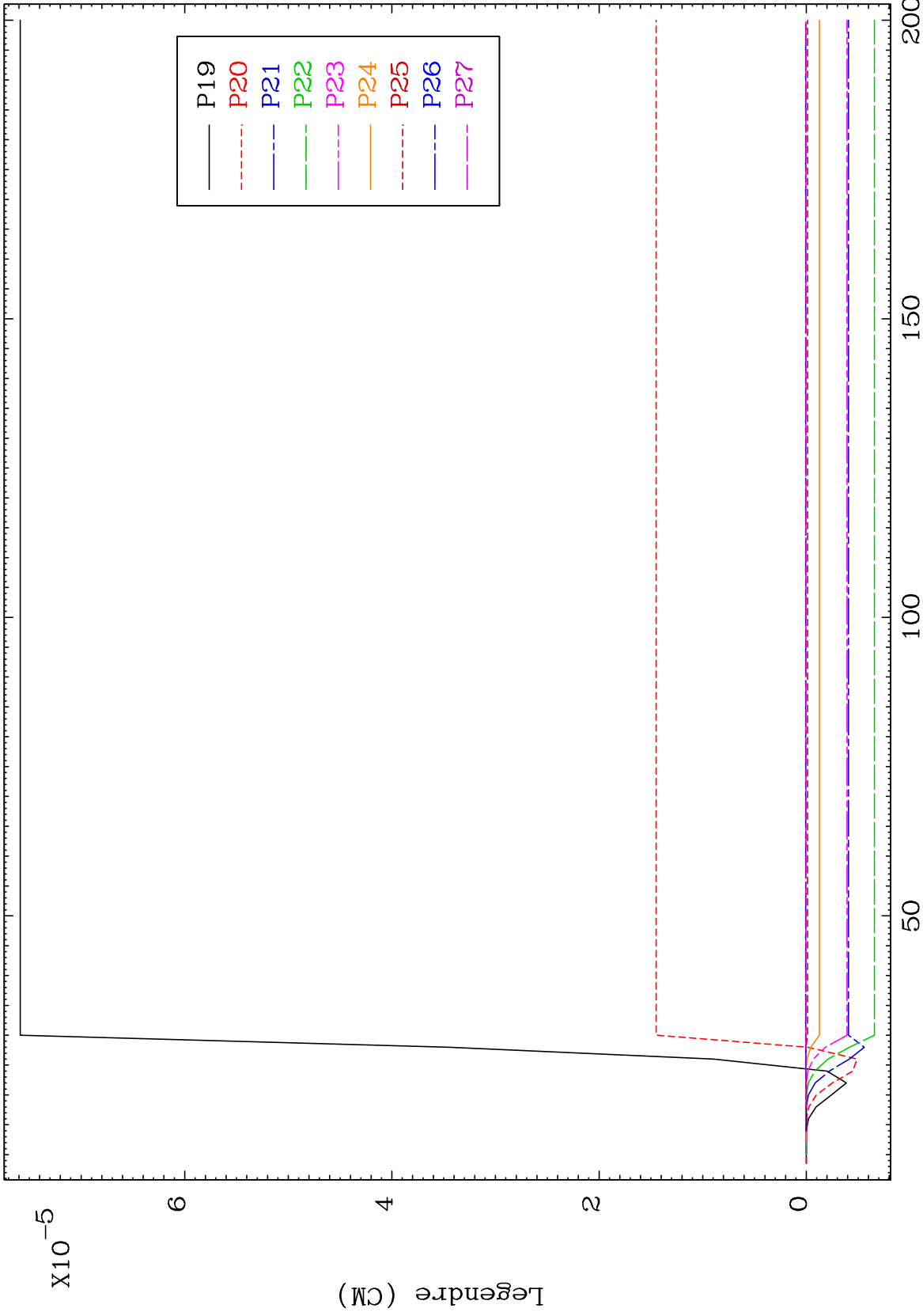
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



60

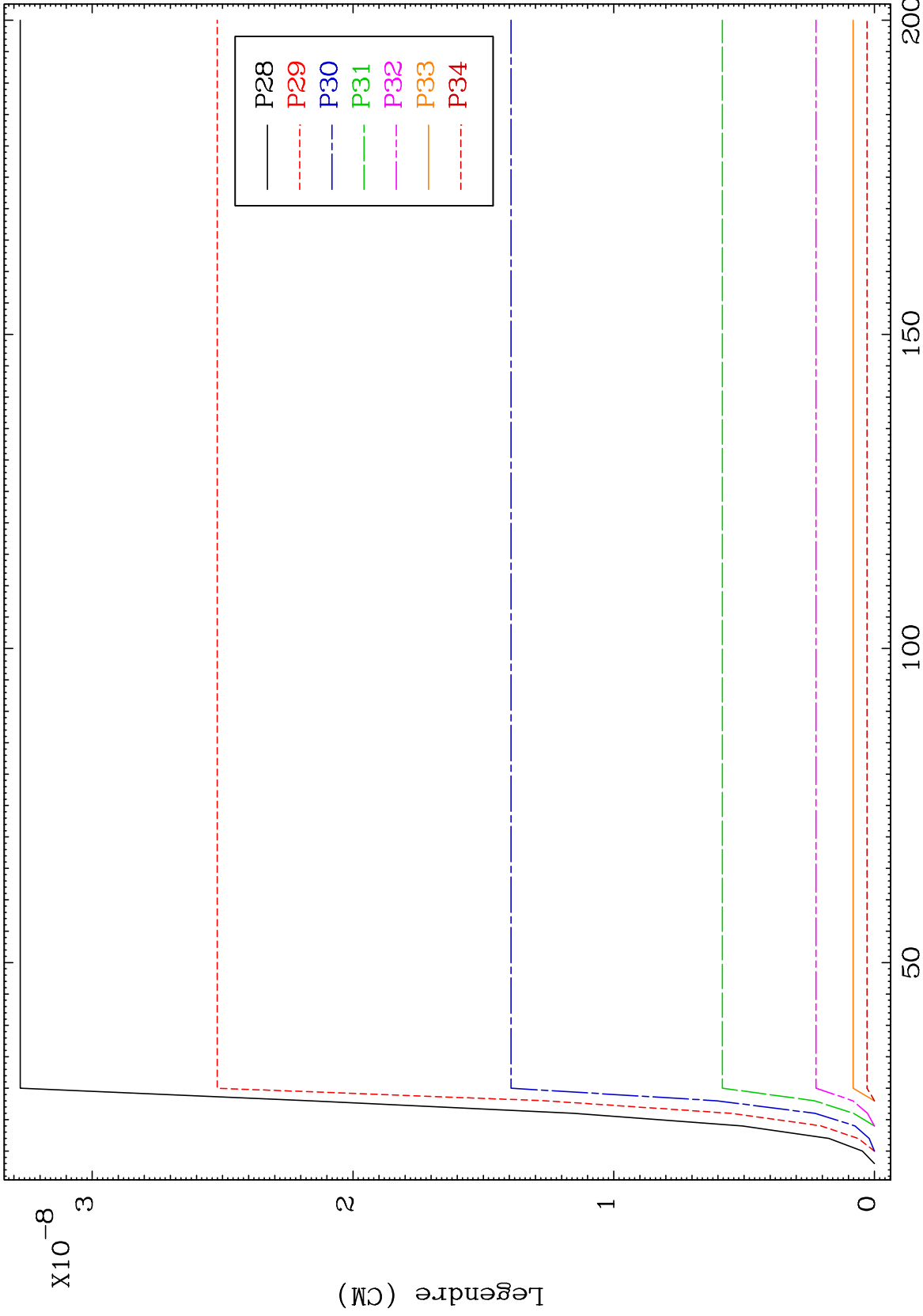
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



61

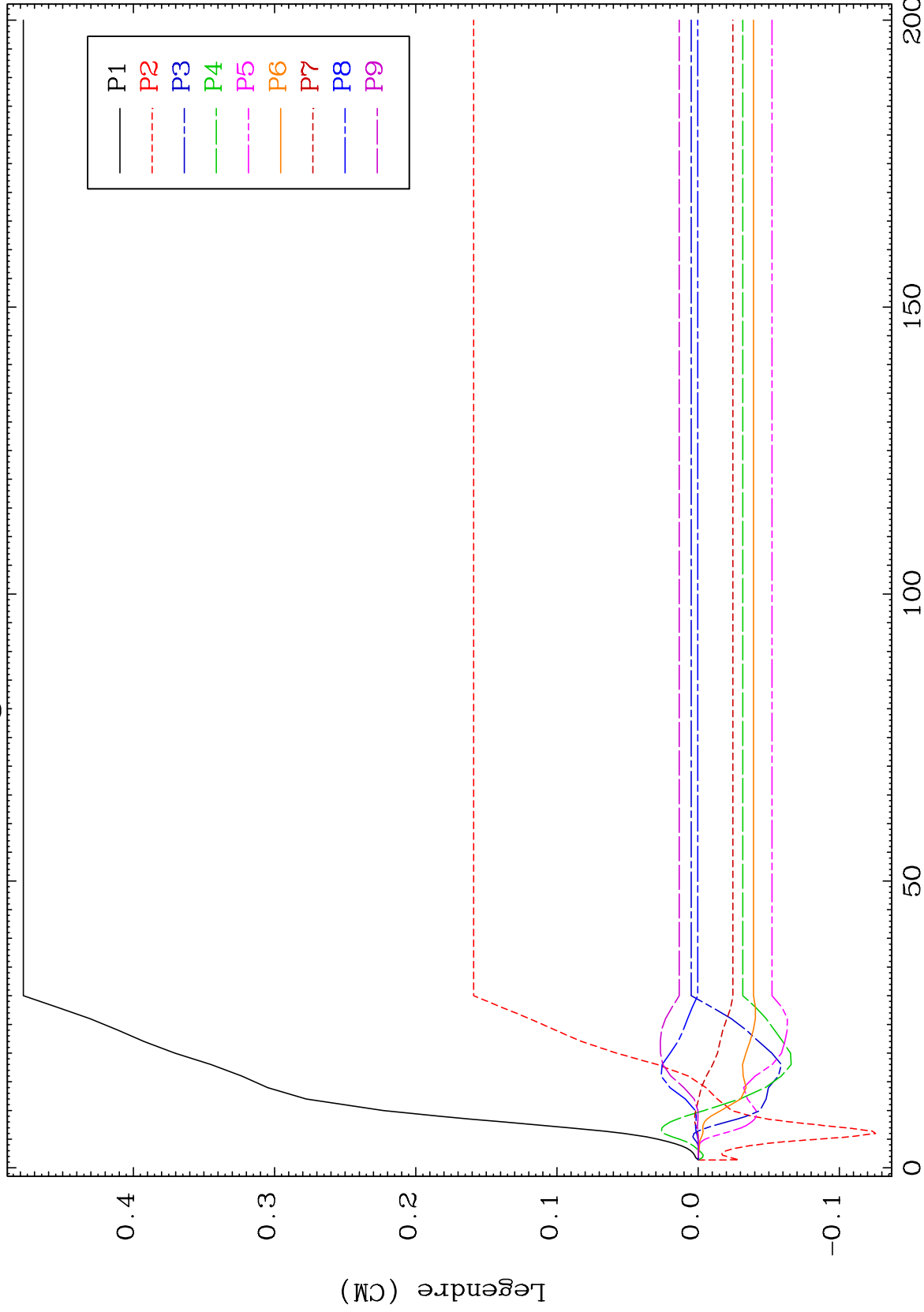
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



62

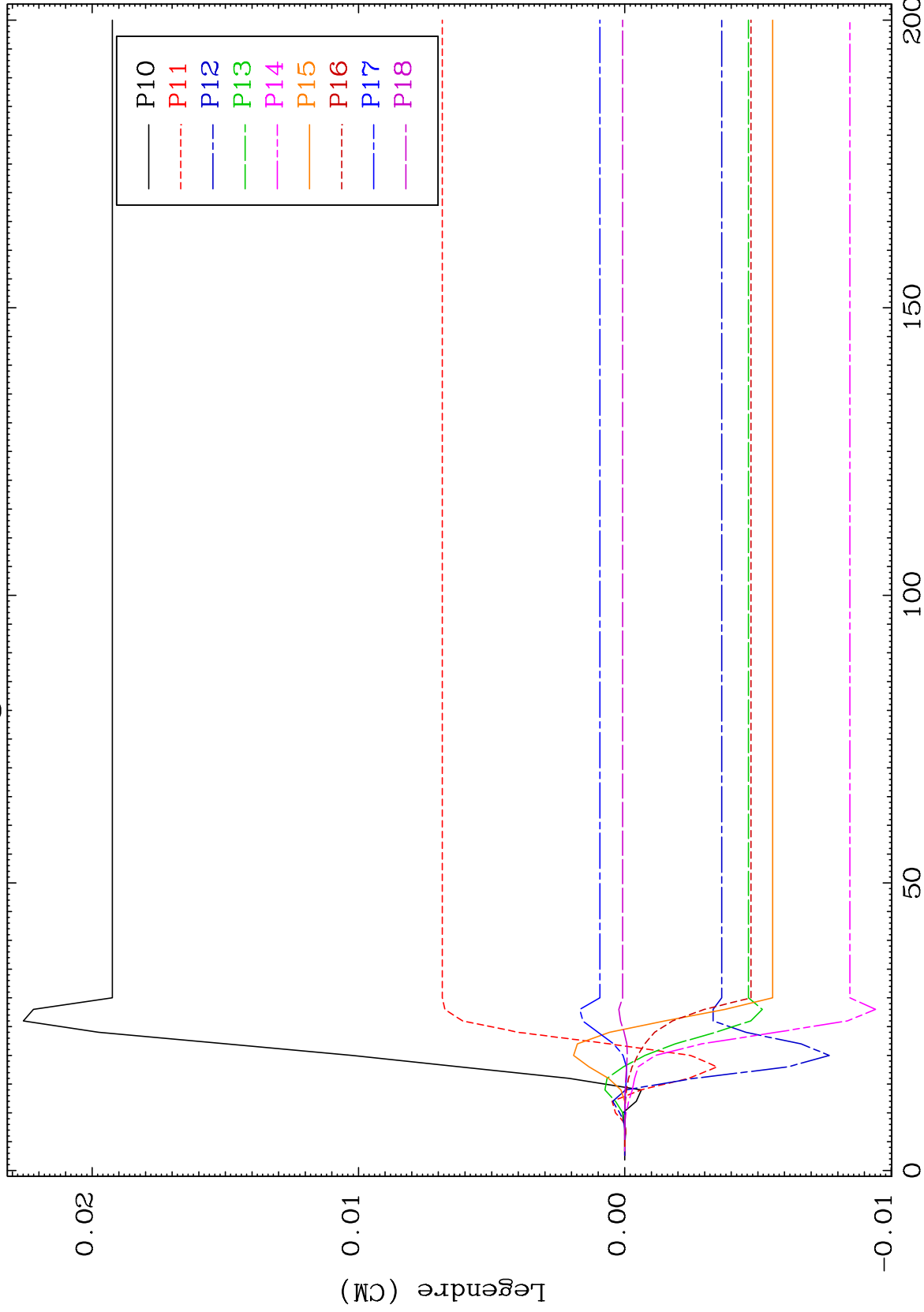
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



63

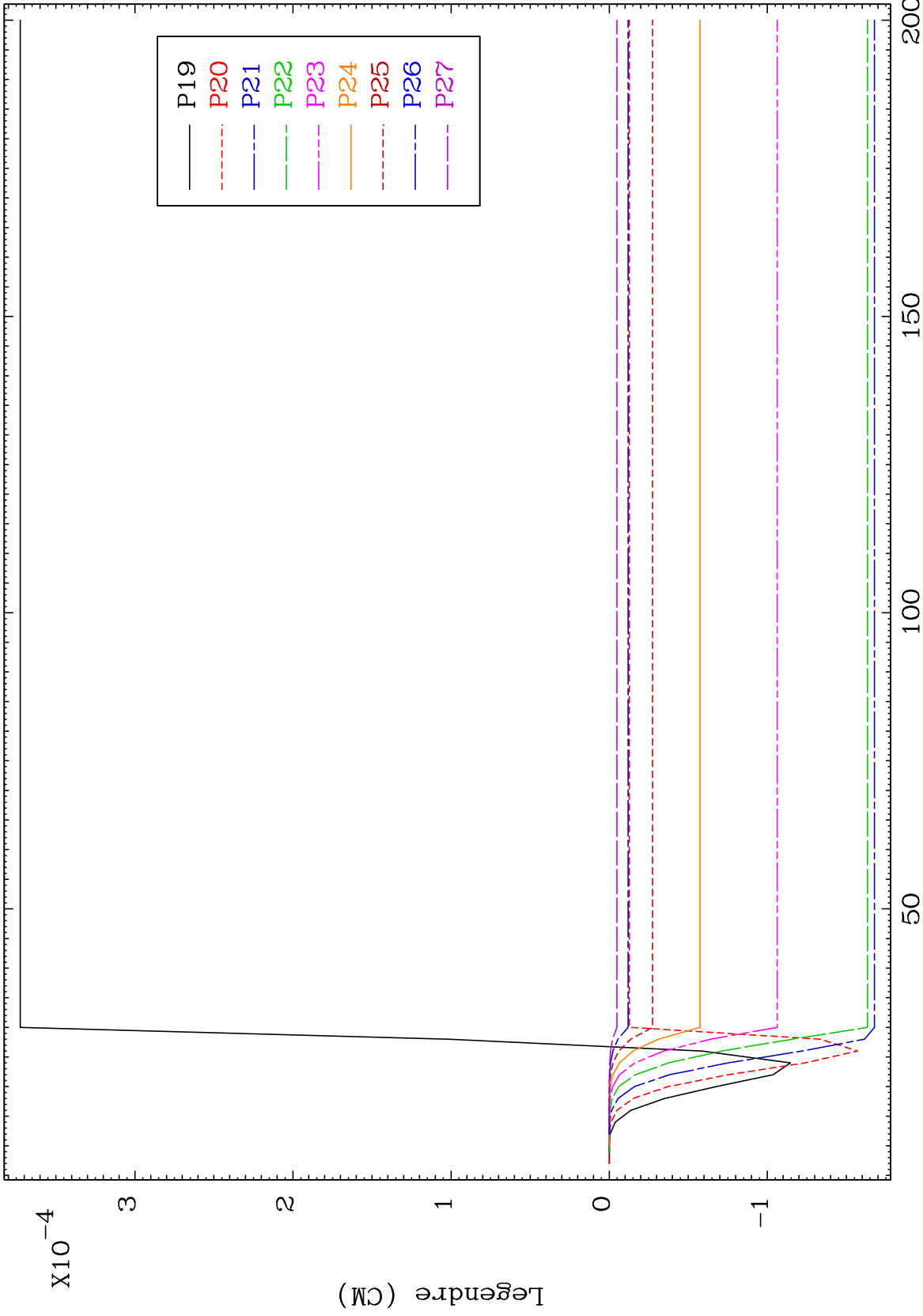
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



64

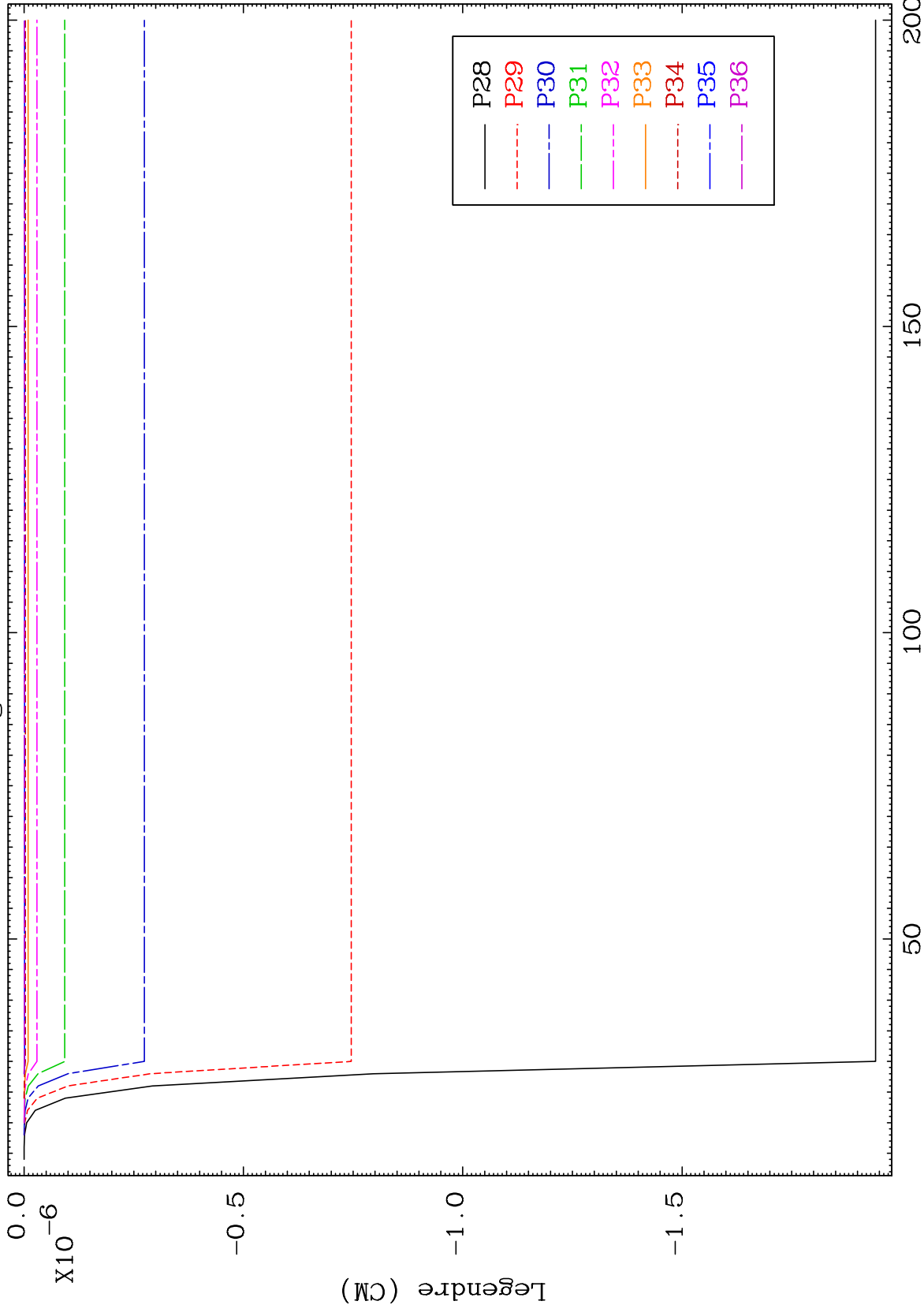
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



58-Ce-148

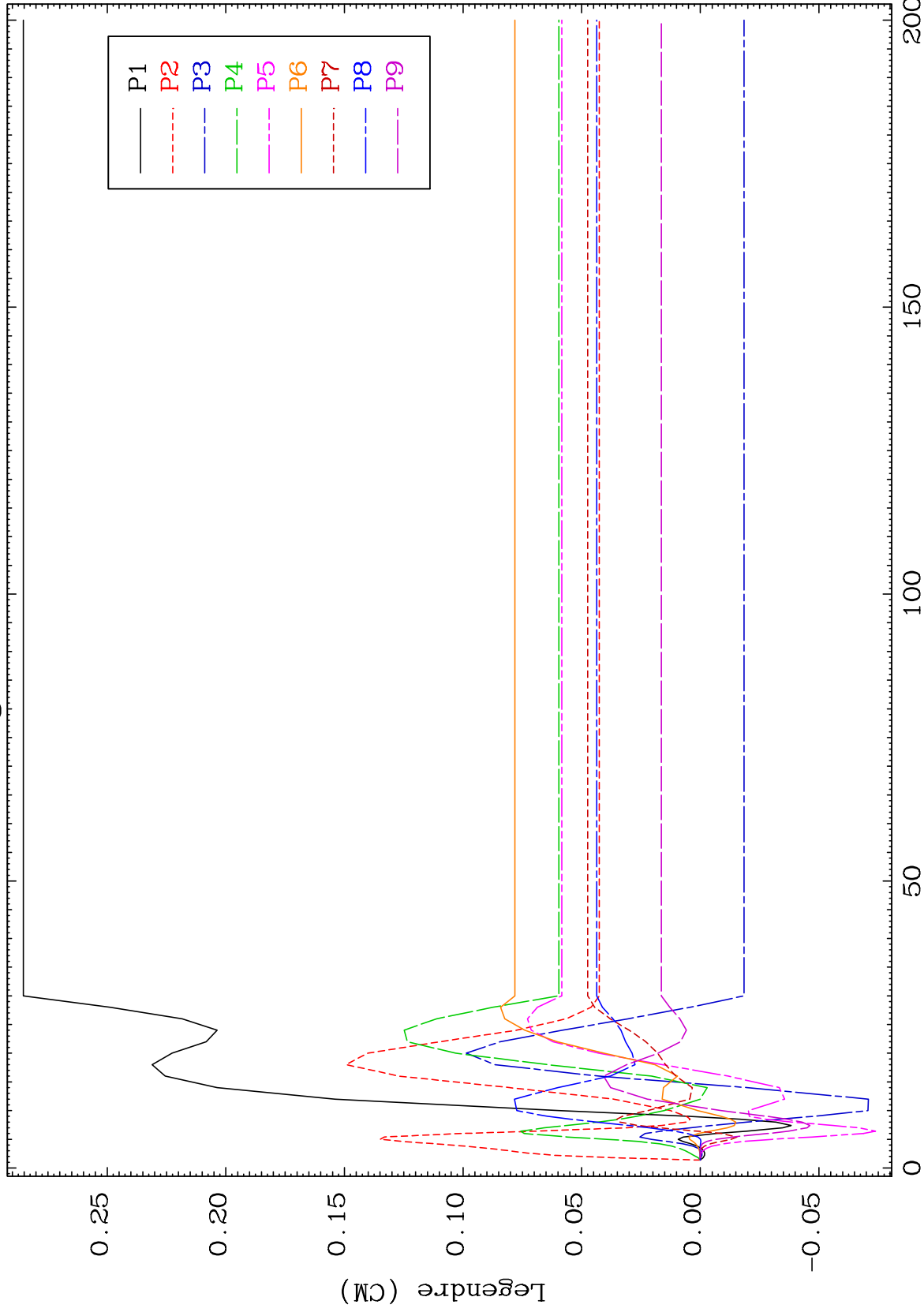
Incident Energy (MeV)

65

MAT 5861

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

58-Ce-148



66

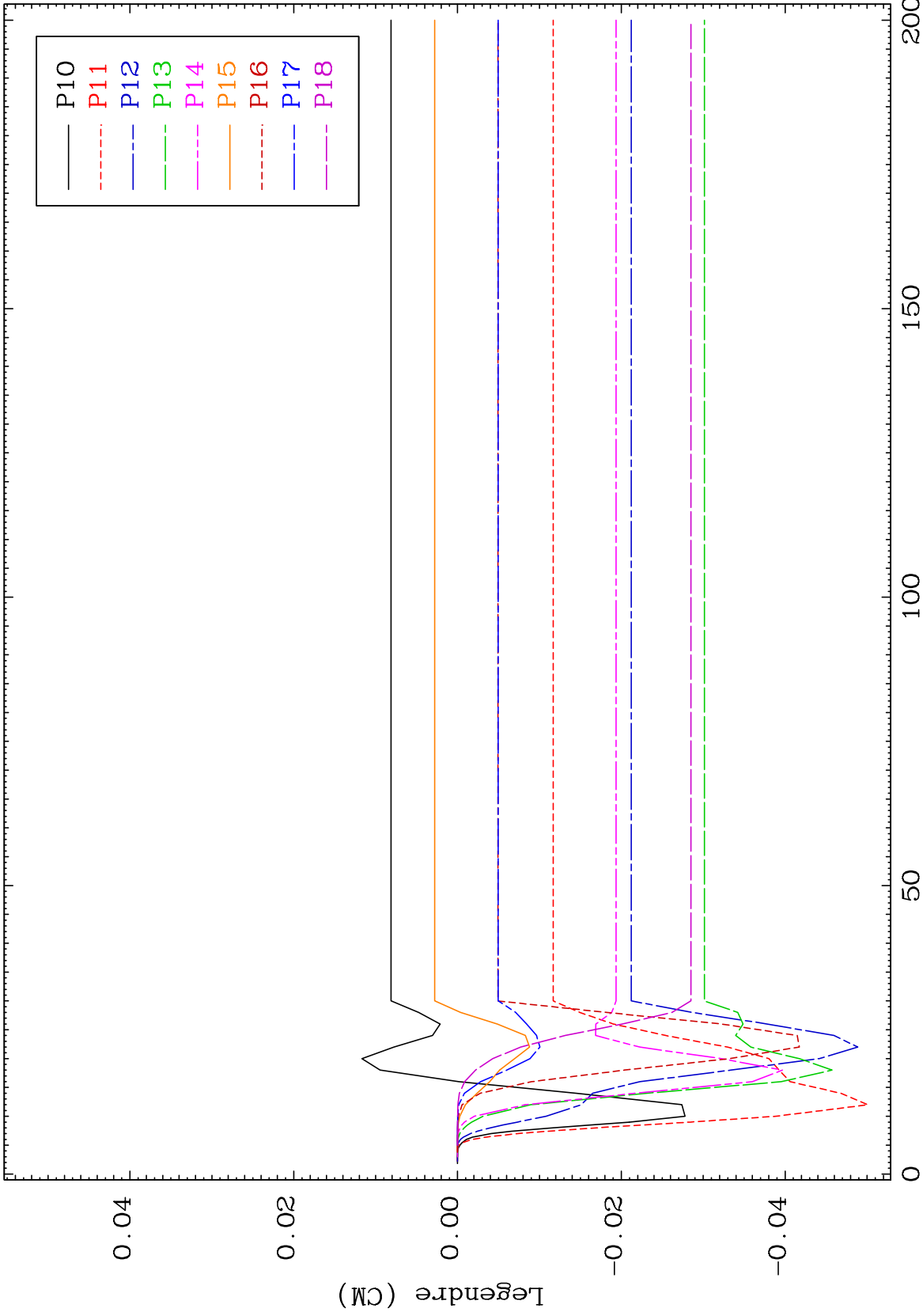
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148

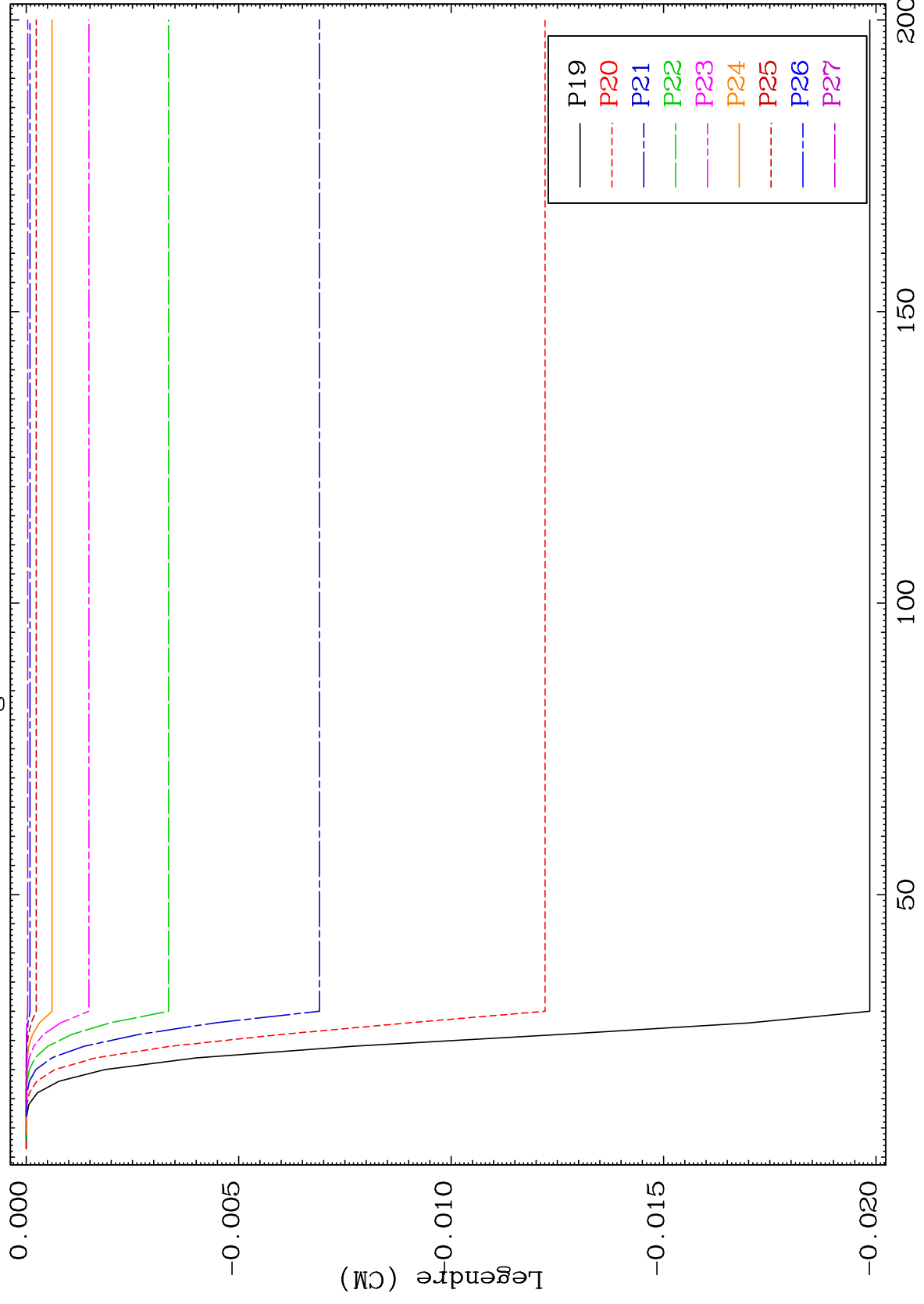


67

Incident Energy (MeV)

58-Ce-148

MAT 5861 MT= 63 (n,n') Level Legendre Coefficients 58-Ce-148

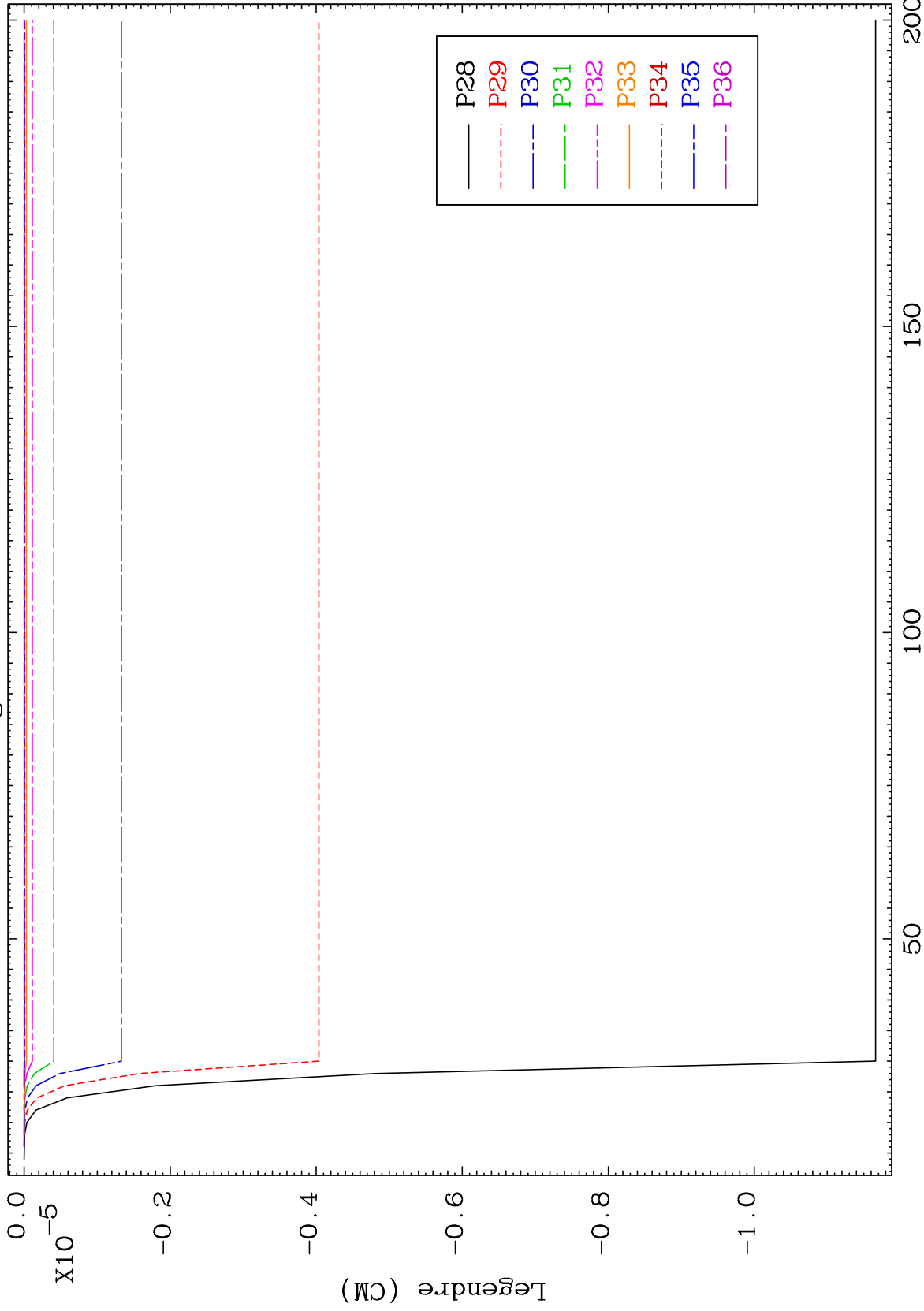


68 58-Ce-148

MAT 5861

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

58-Ce-148



69

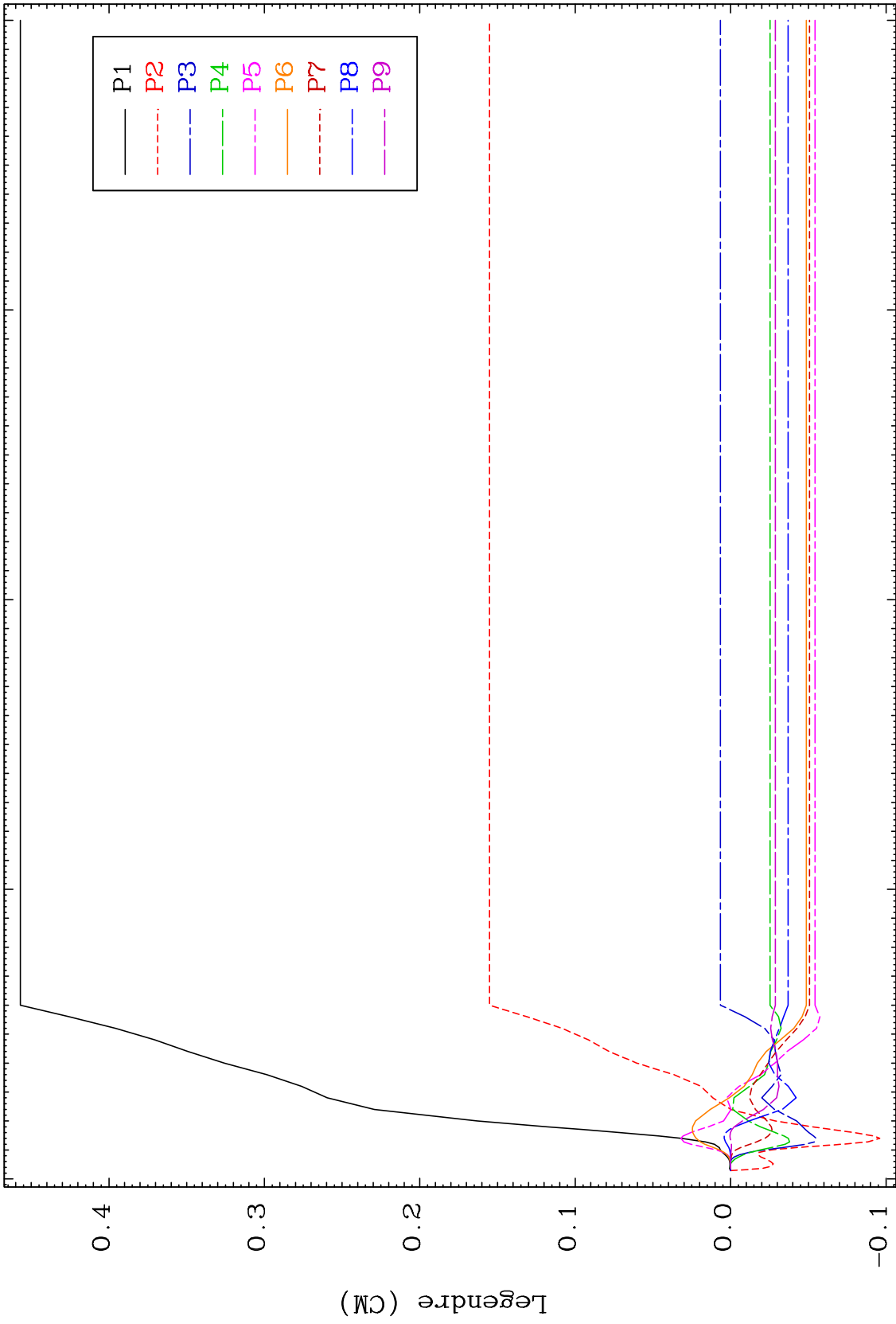
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



70

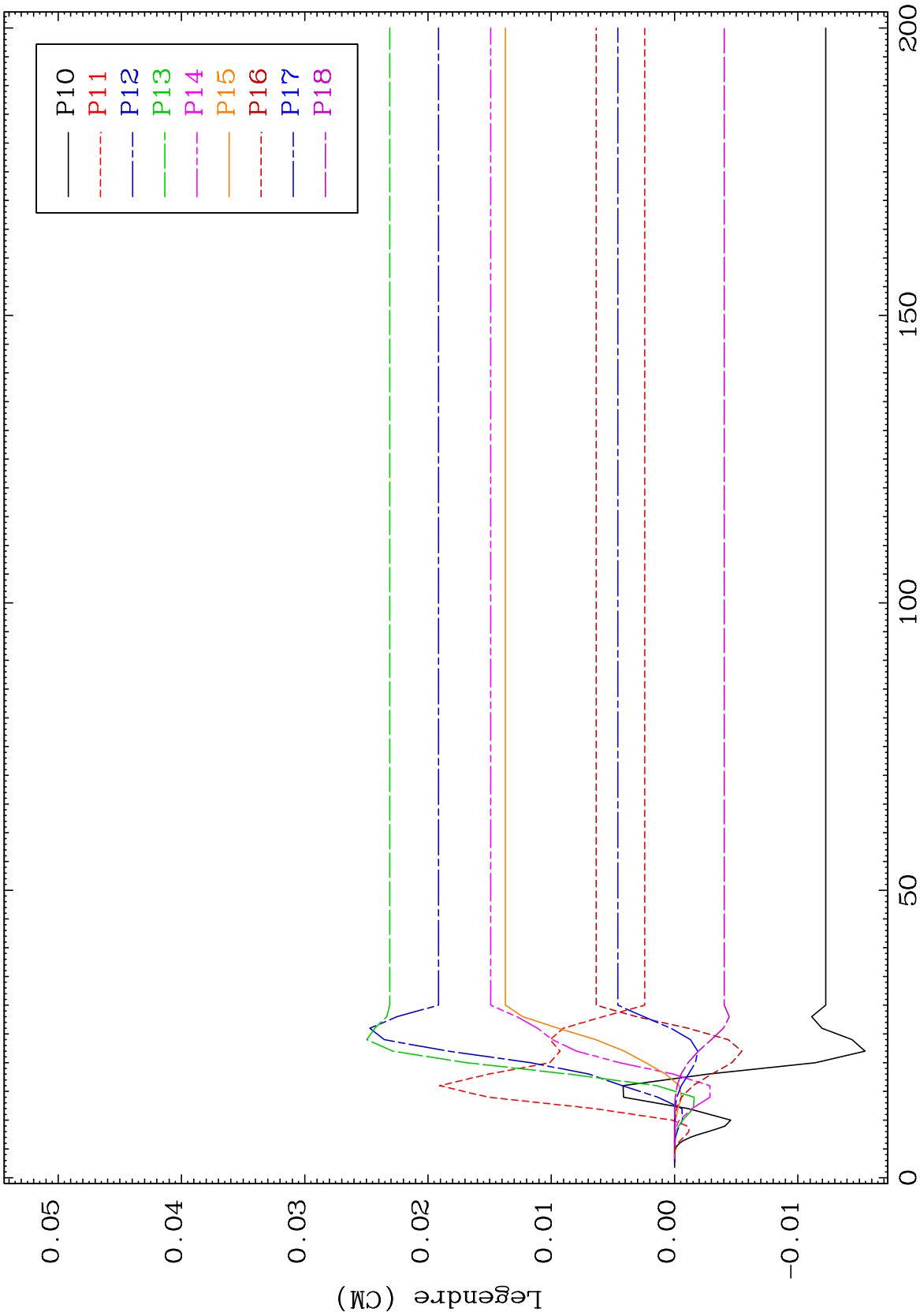
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



71

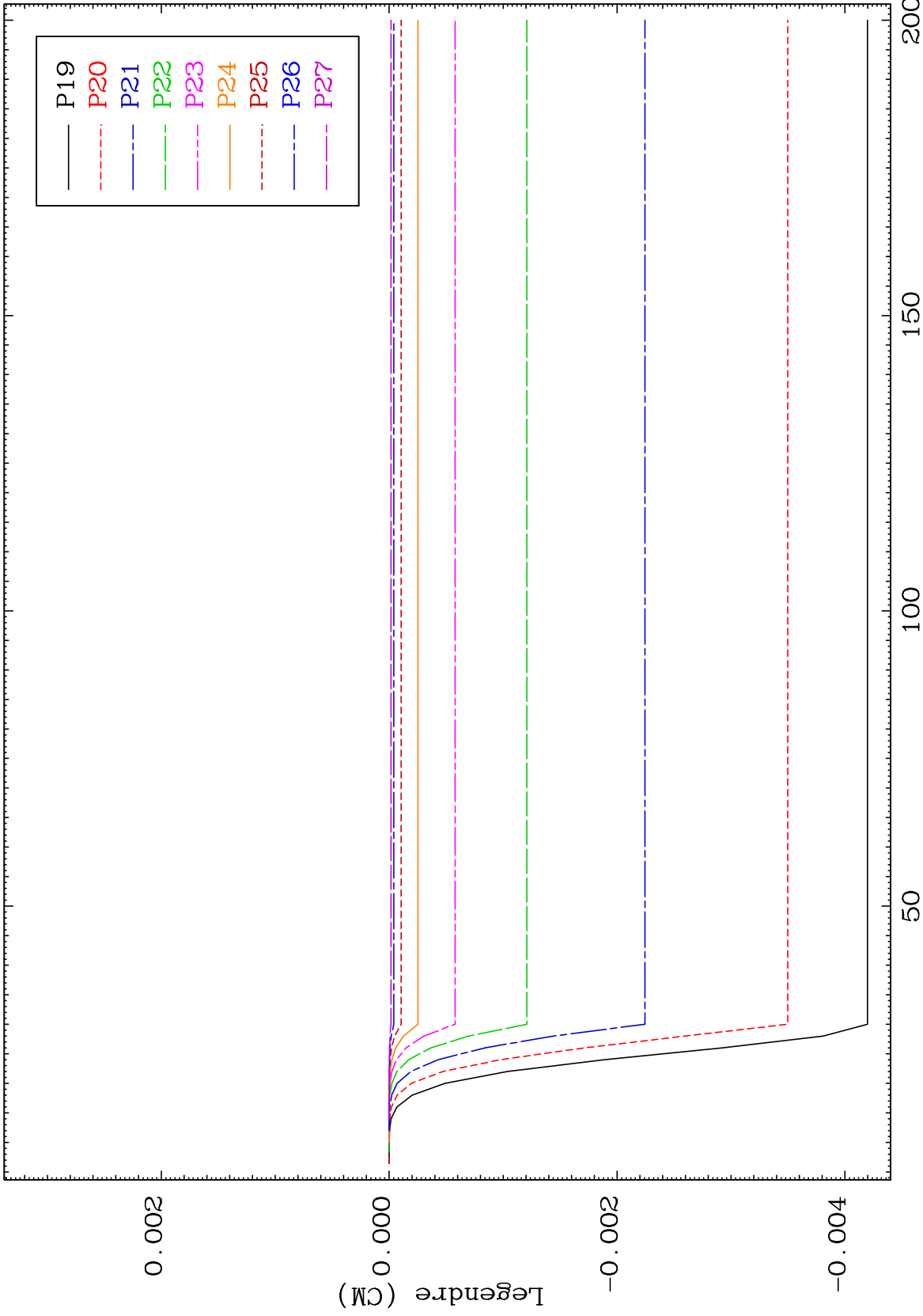
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



72

Incident Energy (MeV)

58-Ce-148

MAT 5861

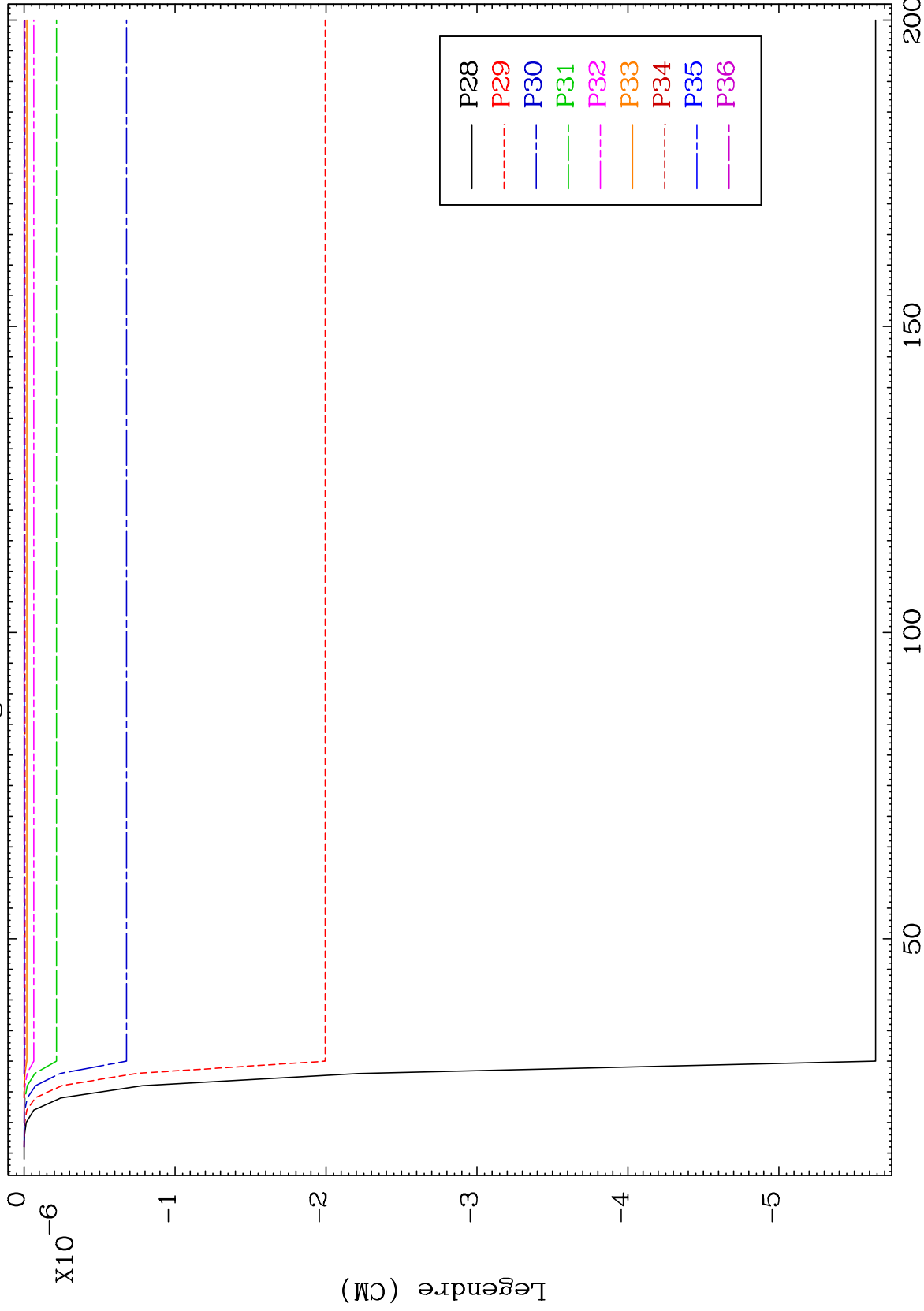
MT= 64 (n,n') Level
Legendre Coefficients

58-Ce-148

58-Ce-148

Incident Energy (MeV)

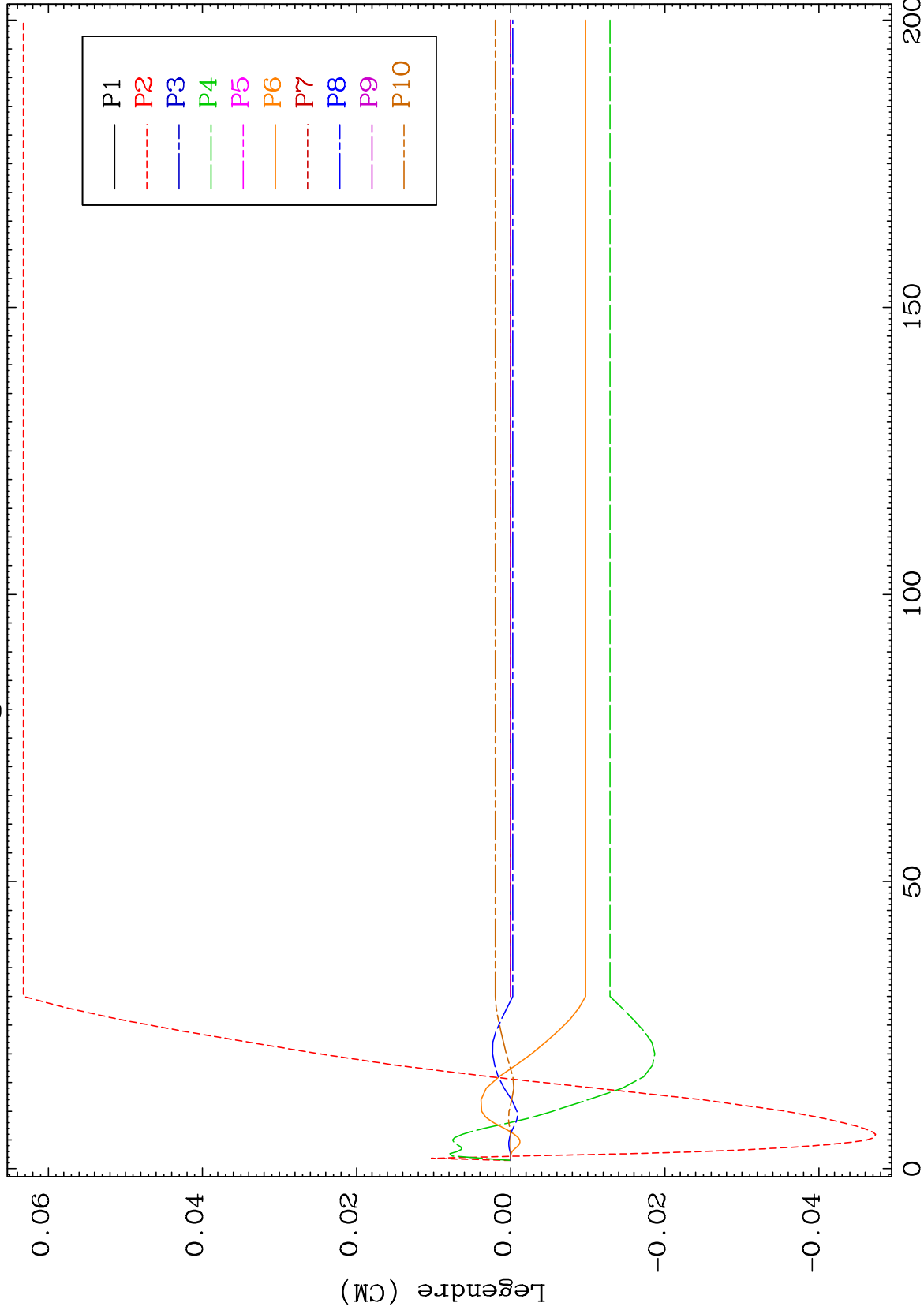
73



MAT 5861

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

58-Ce-148



74

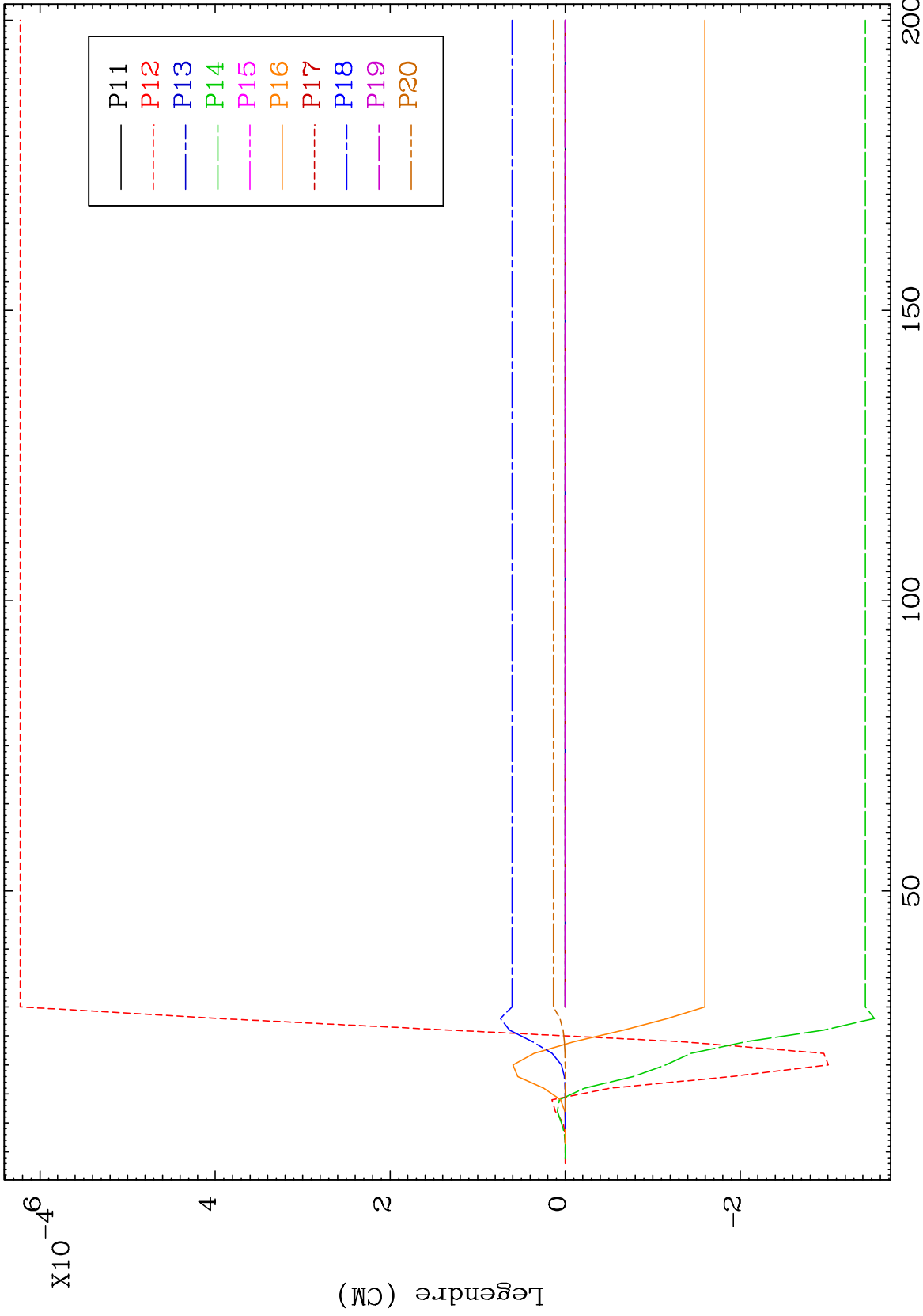
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



75

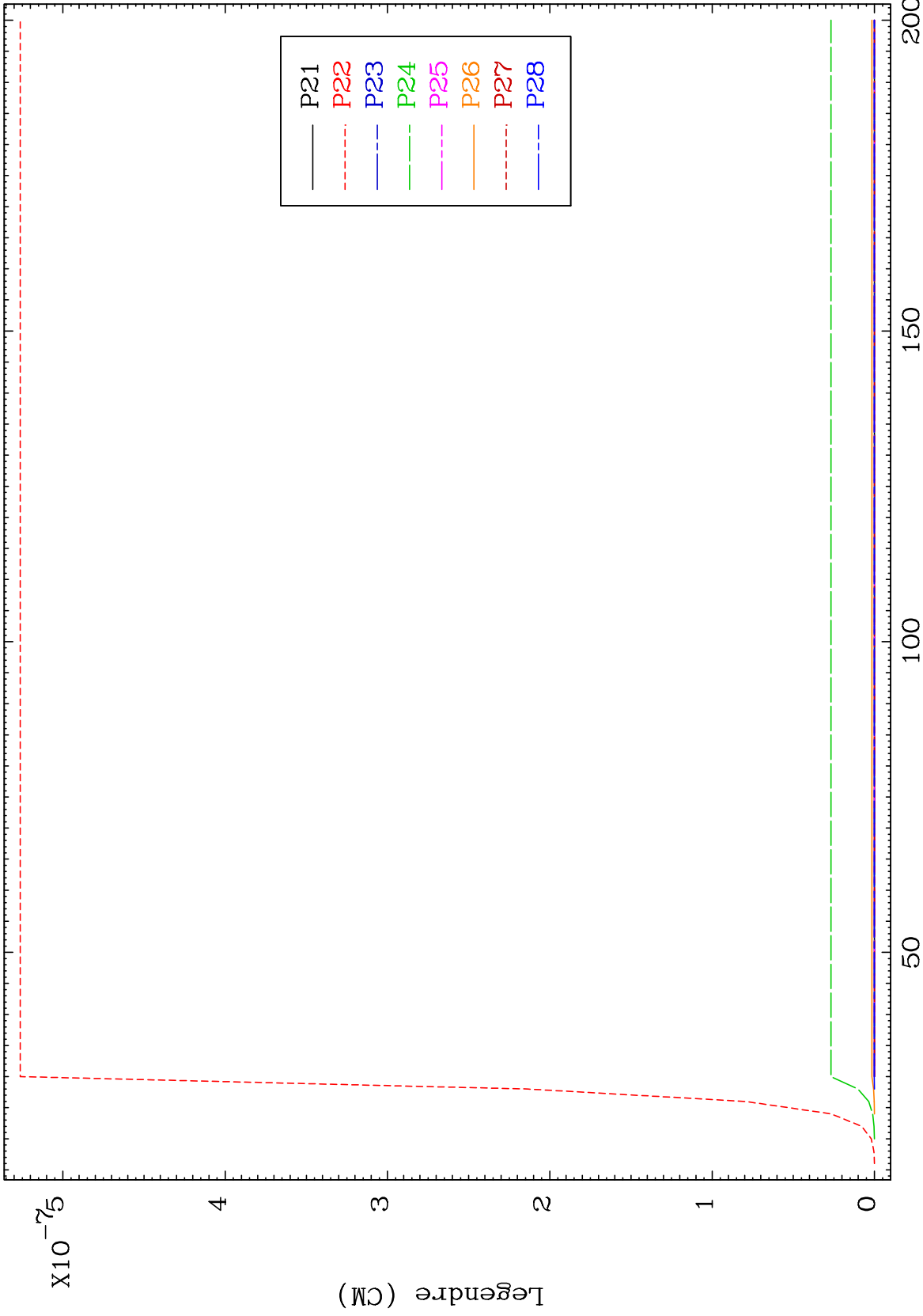
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



76

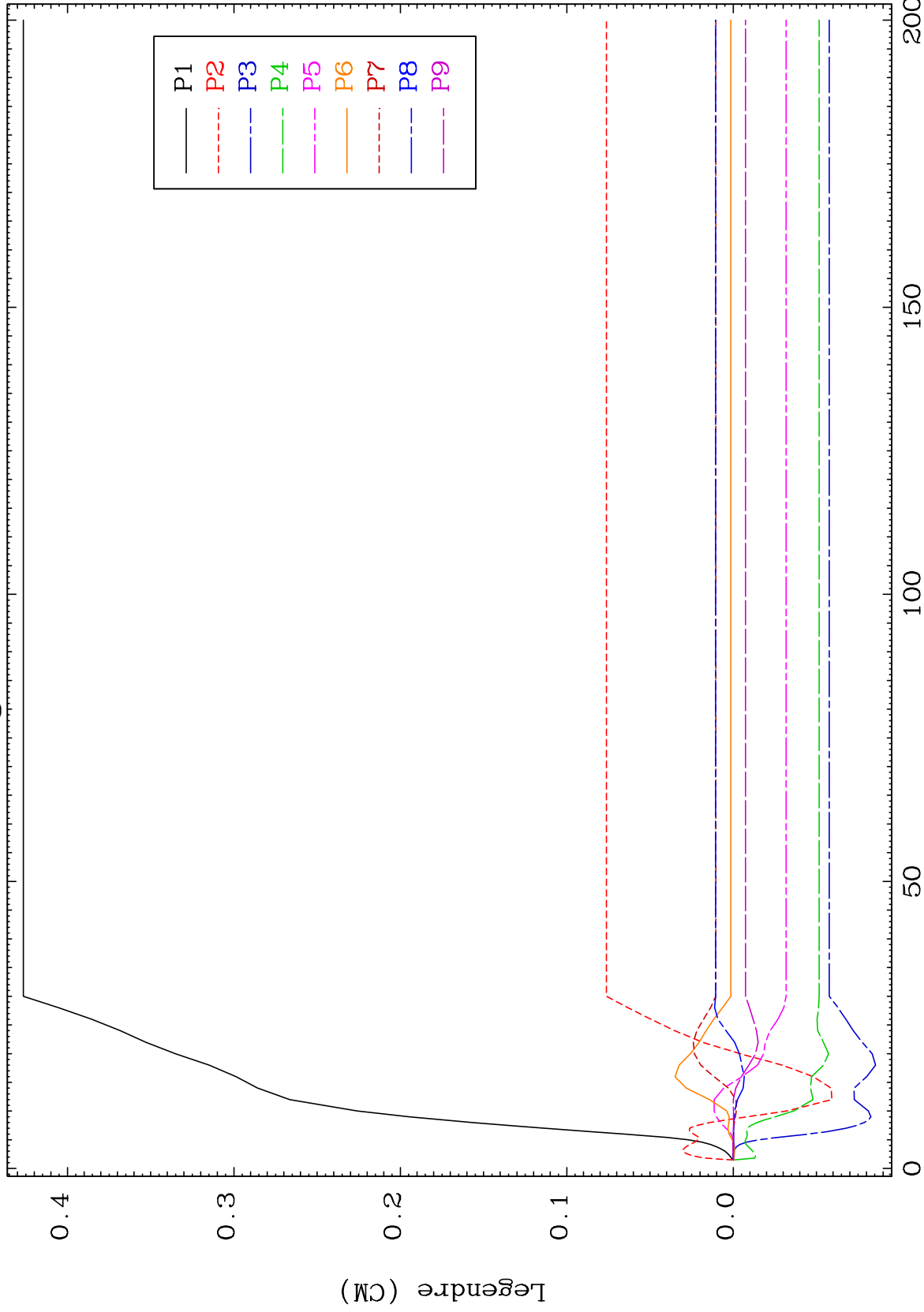
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



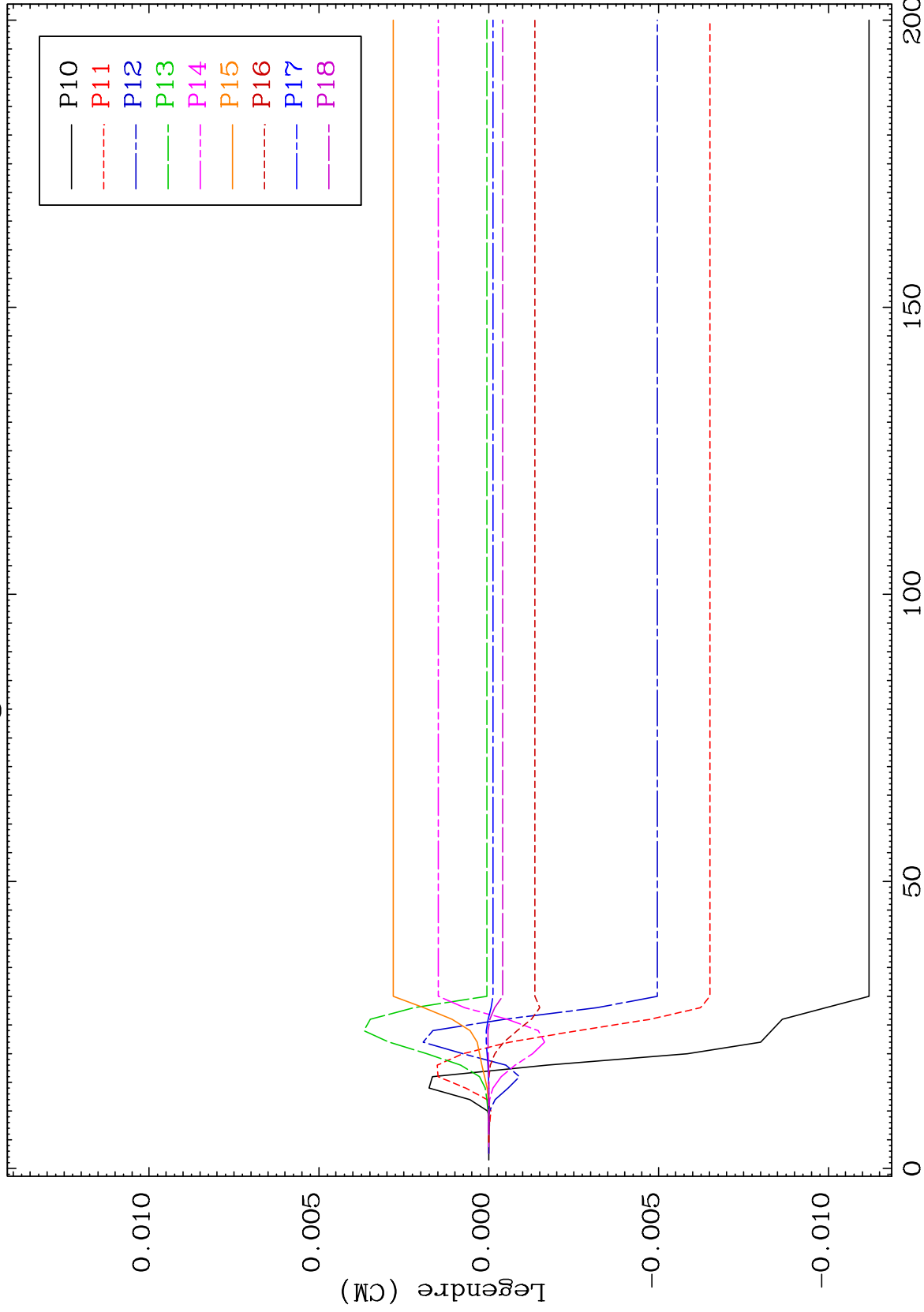
77

58-Ce-148

MAT 5861

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

58-Ce-148



78

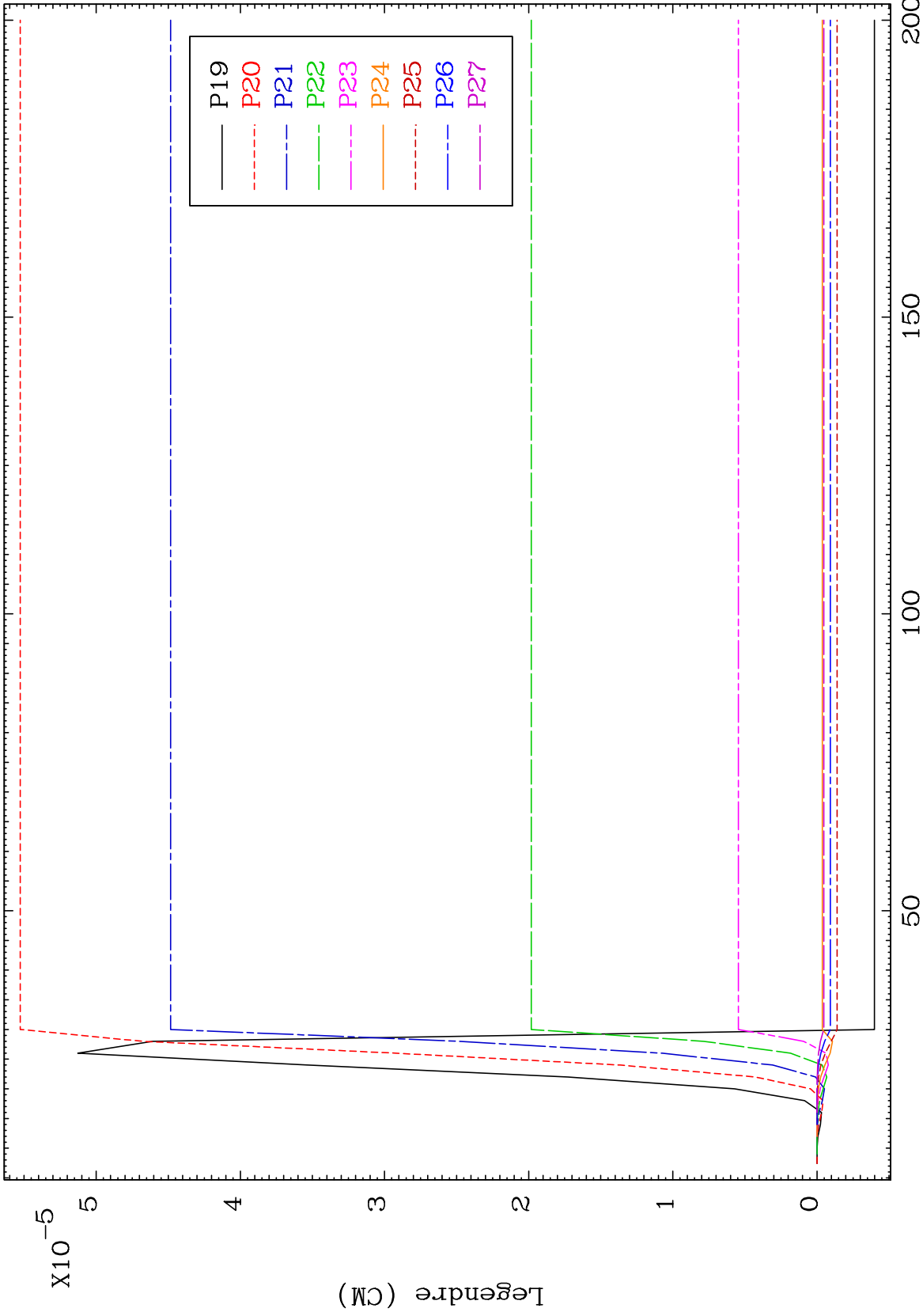
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



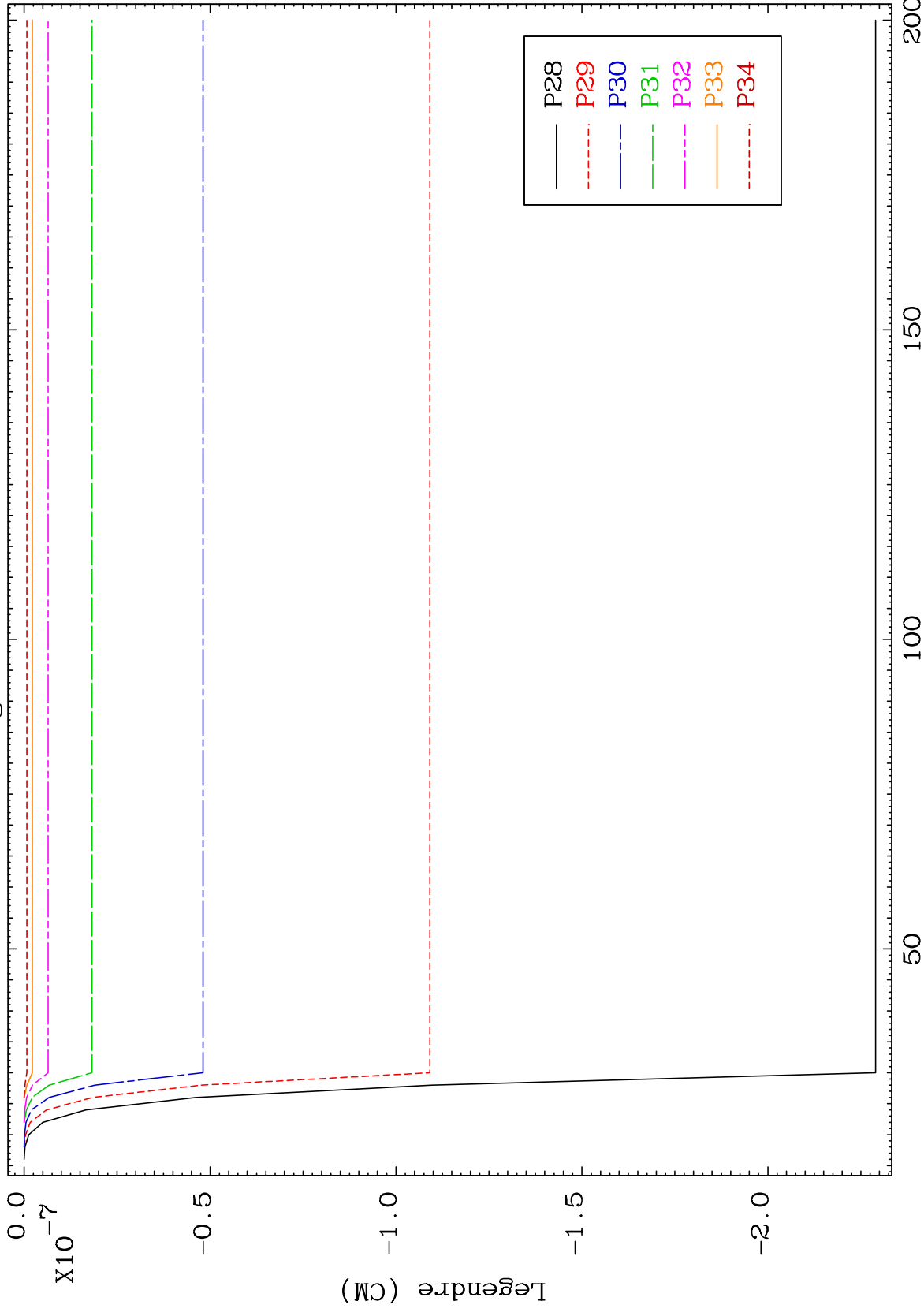
79

58-Ce-148

MAT 5861

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

58-Ce-148



58-Ce-148

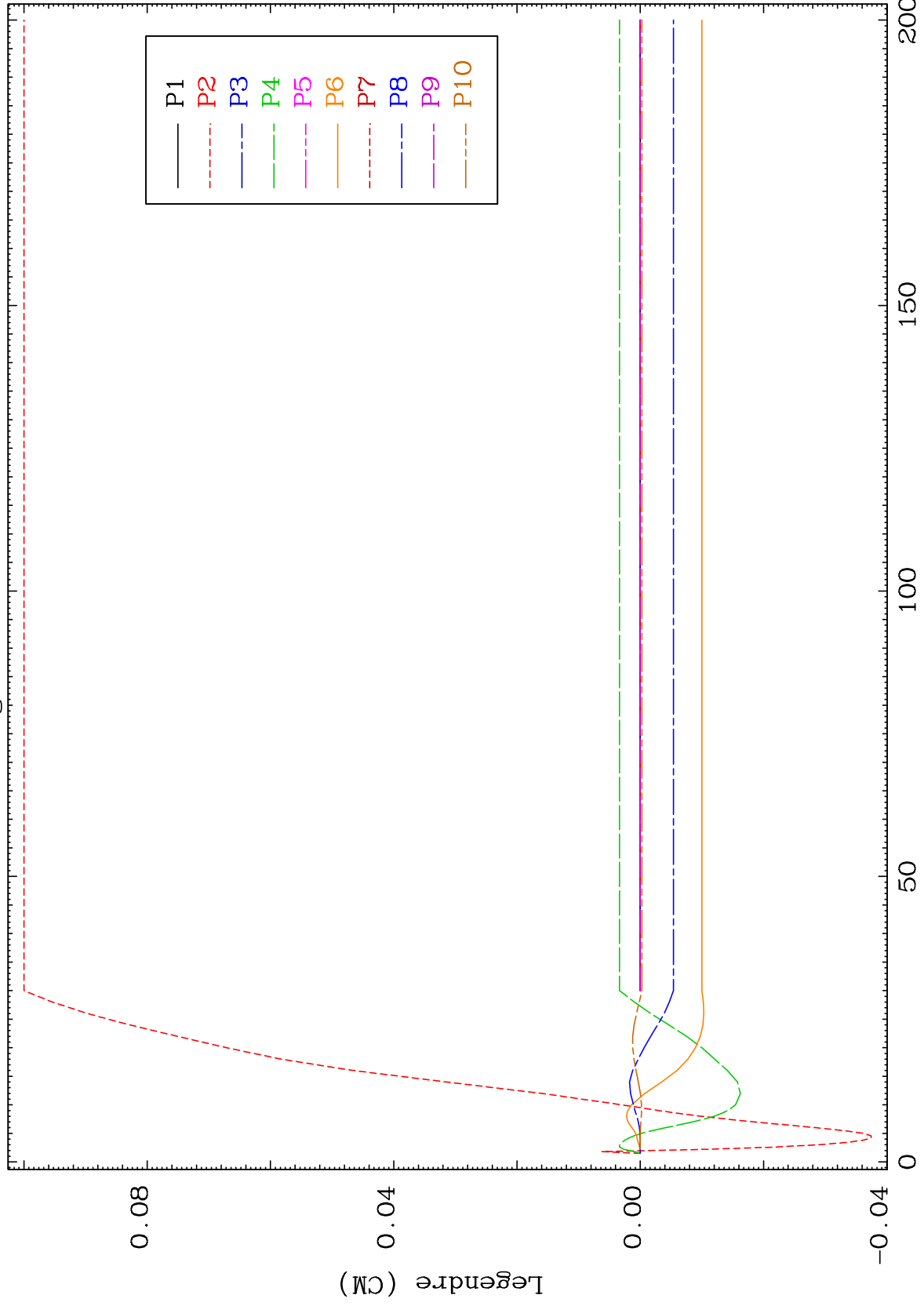
Incident Energy (MeV)

80

MAT 5861

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

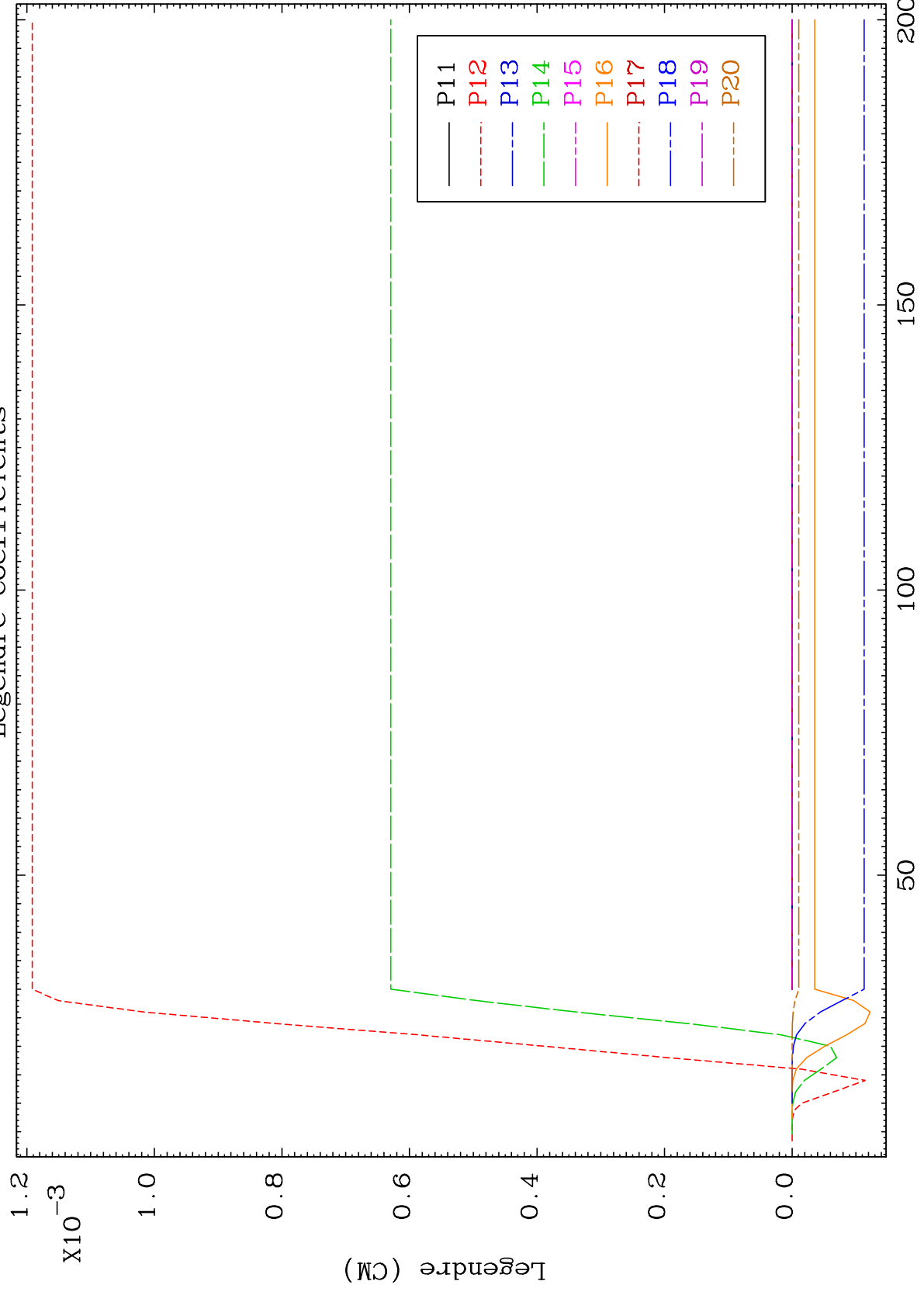
58-Ce-148



81

Incident Energy (MeV)

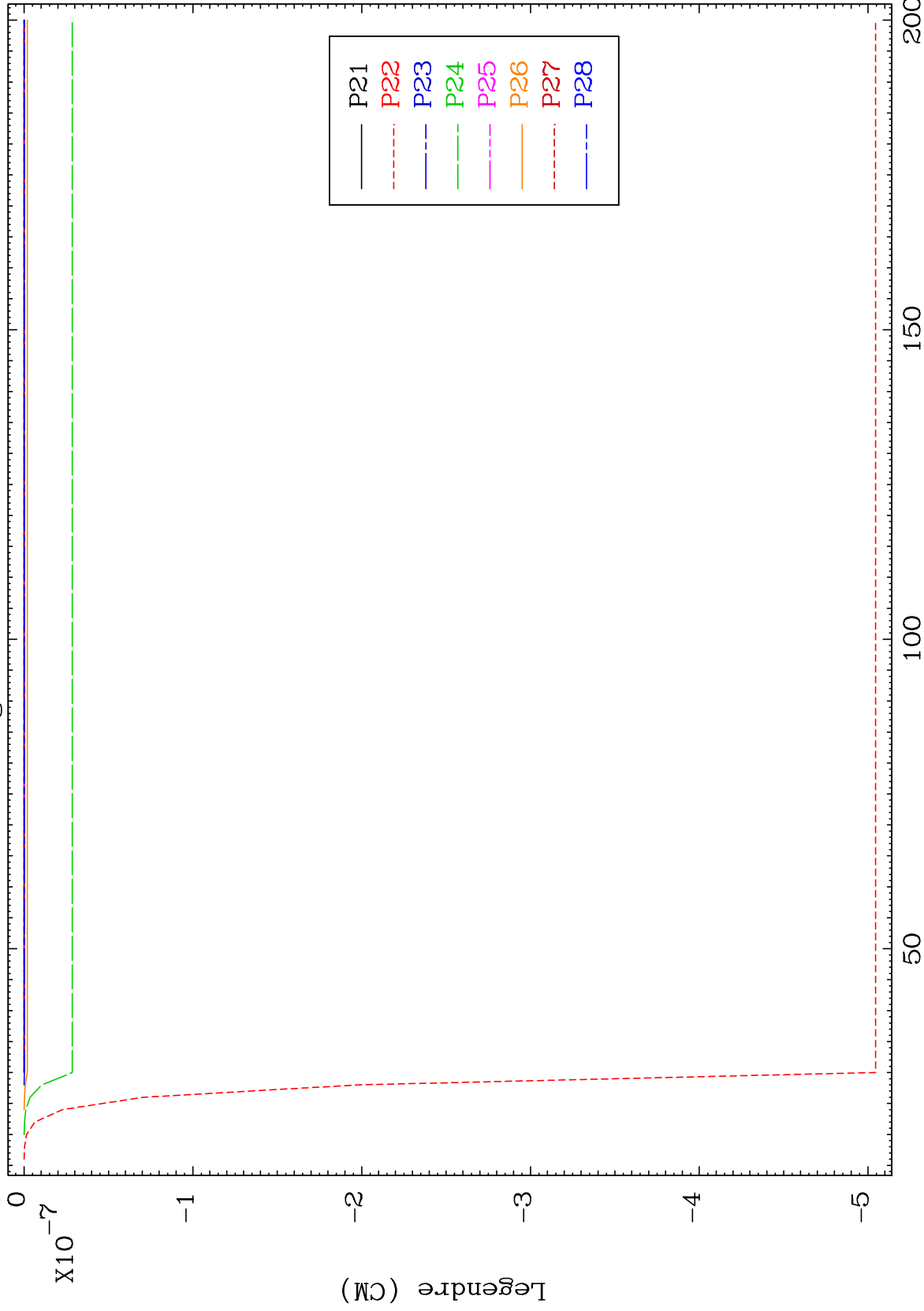
58-Ce-148



MAT 5861

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

58-Ce-148



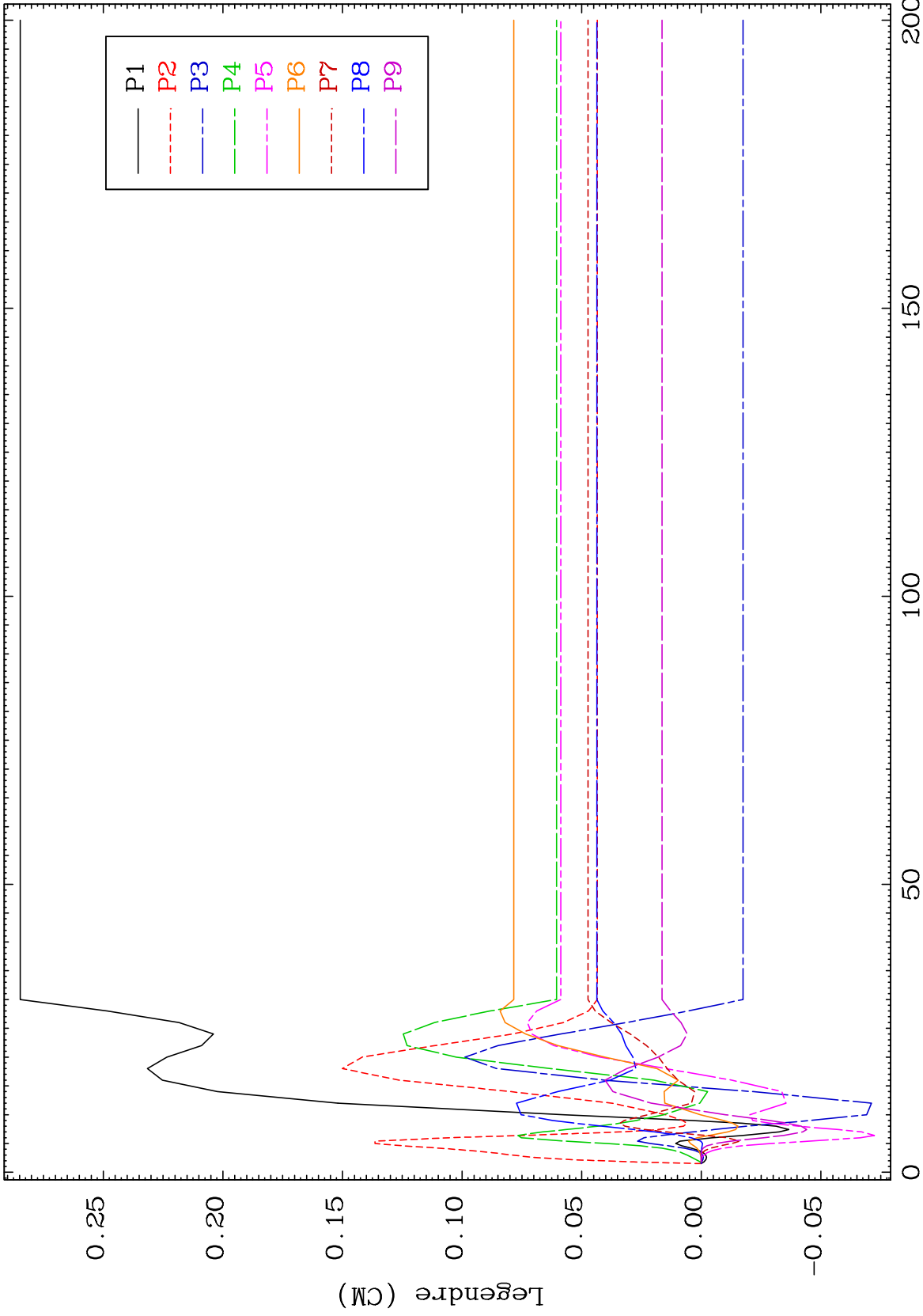
83

58-Ce-148

MAT 5861

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

58-Ce-148



84

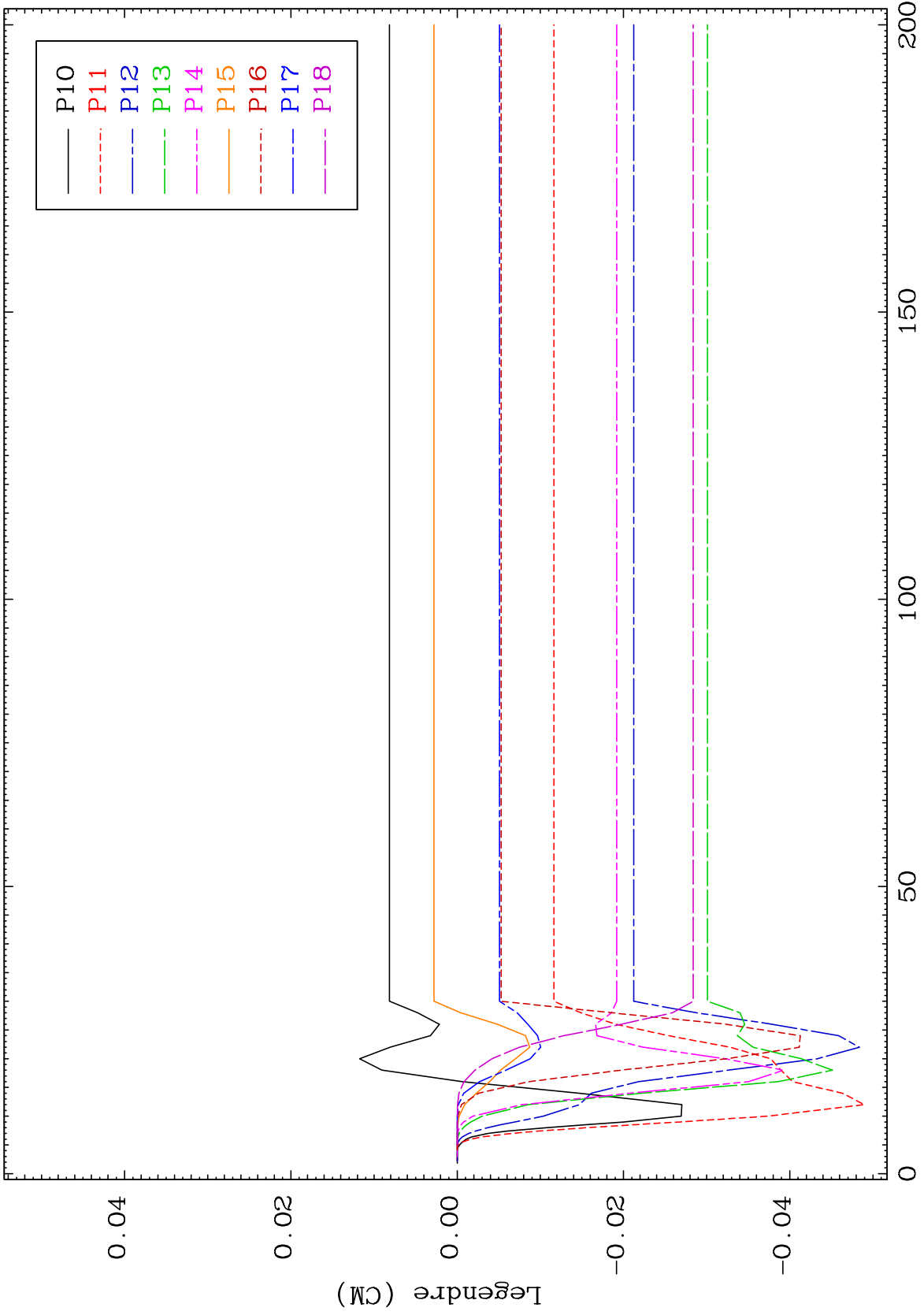
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

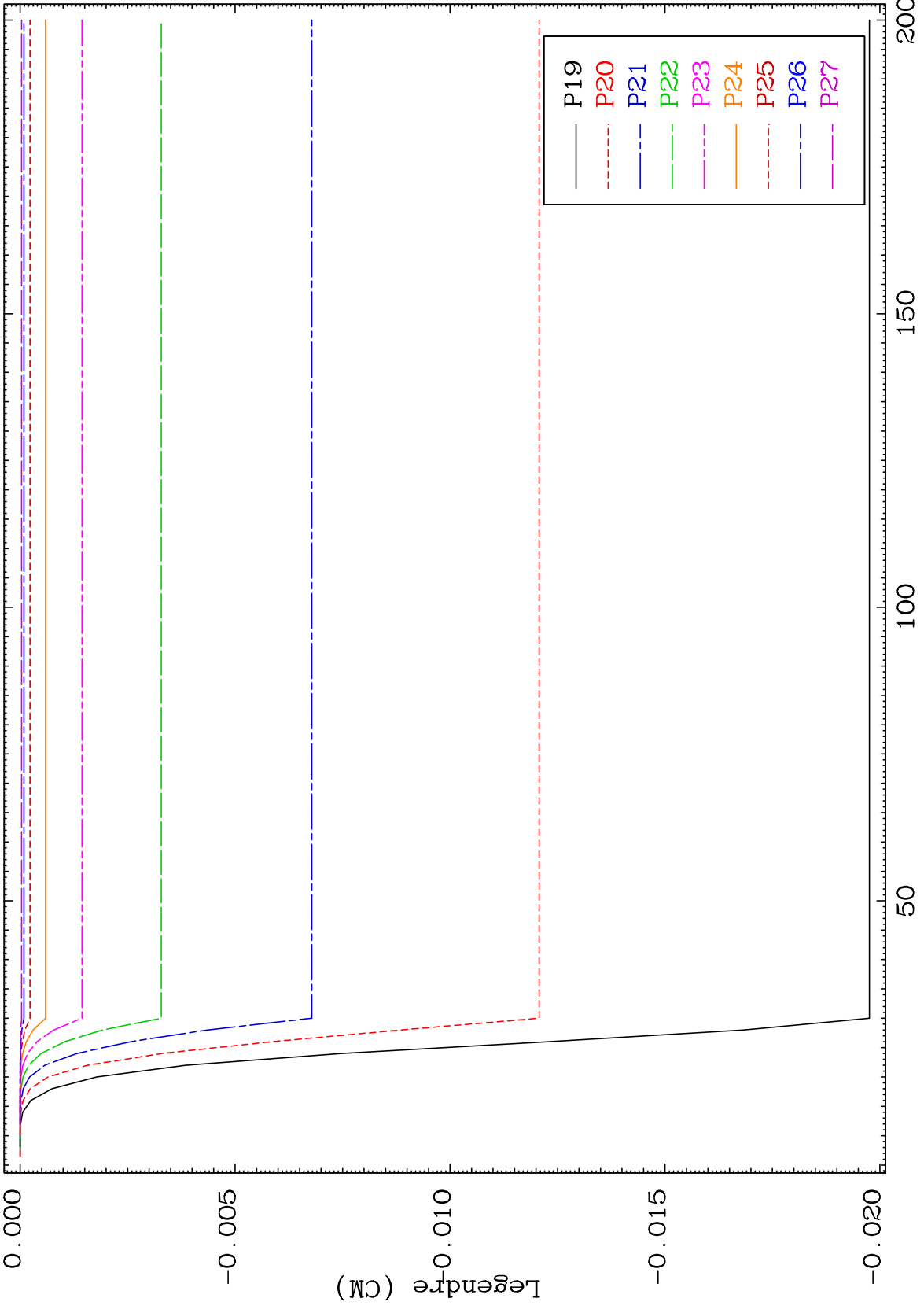
58-Ce-148



85

Incident Energy (MeV)

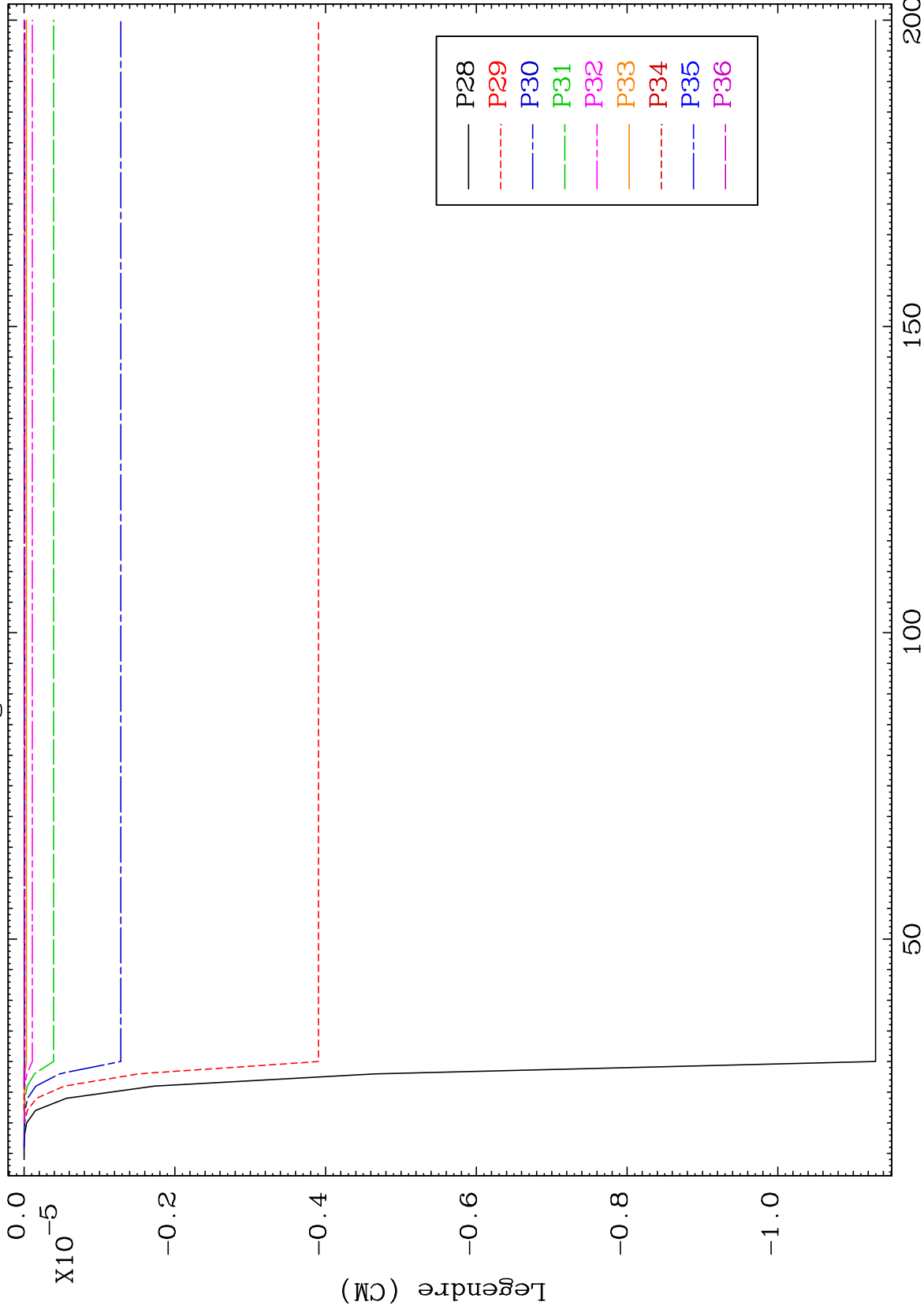
58-Ce-148



MAT 5861

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

58-Ce-148



87

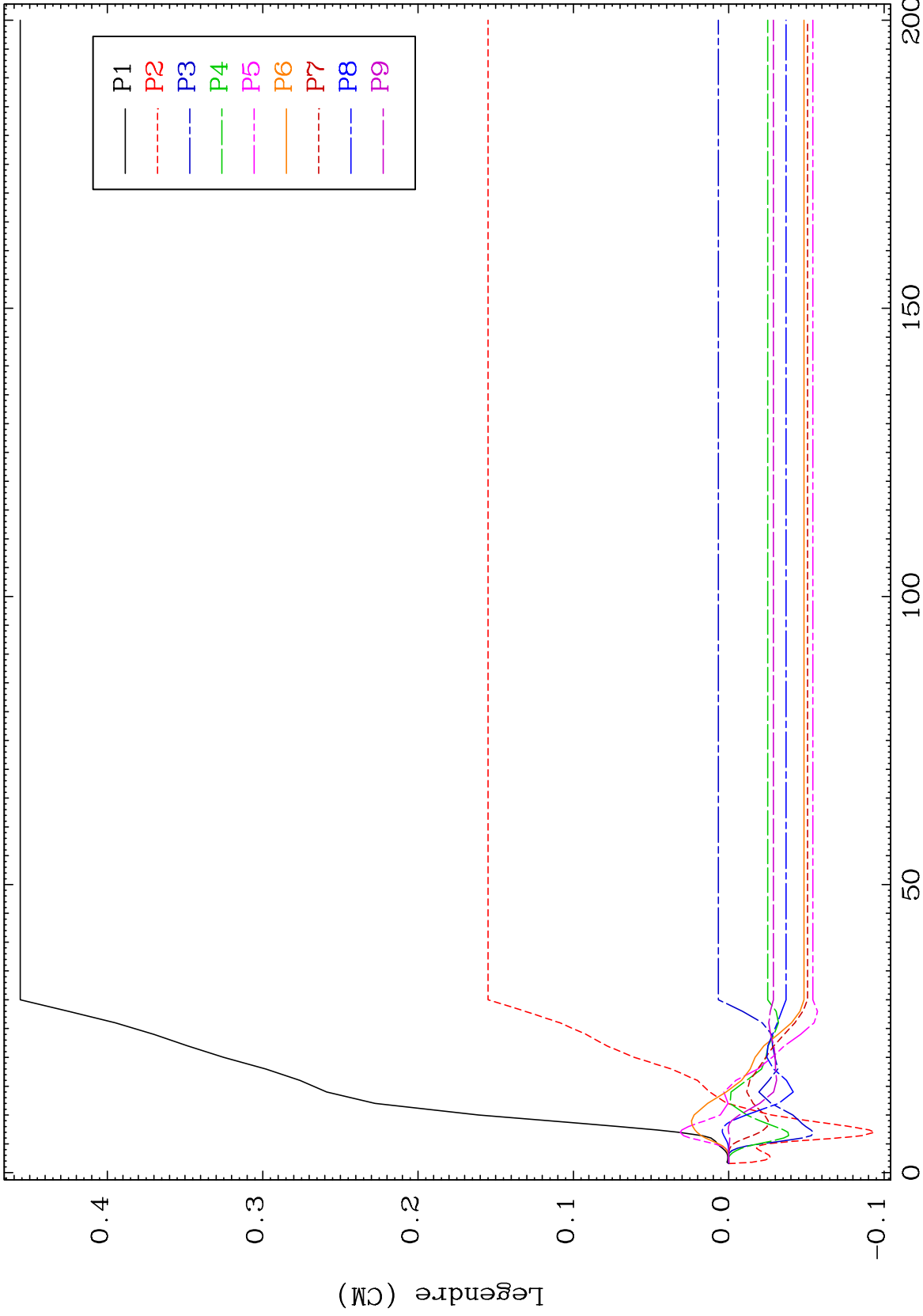
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



88

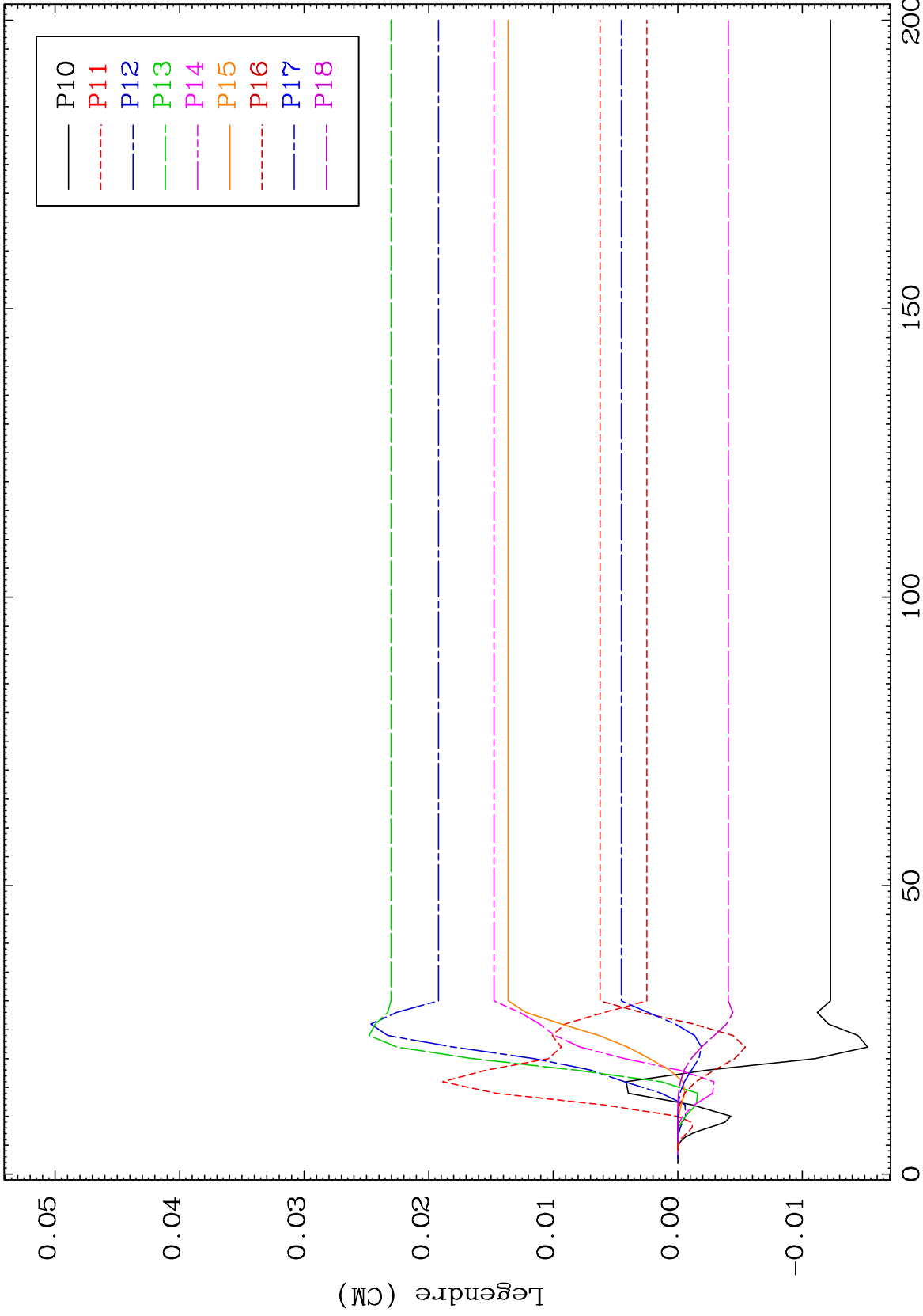
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



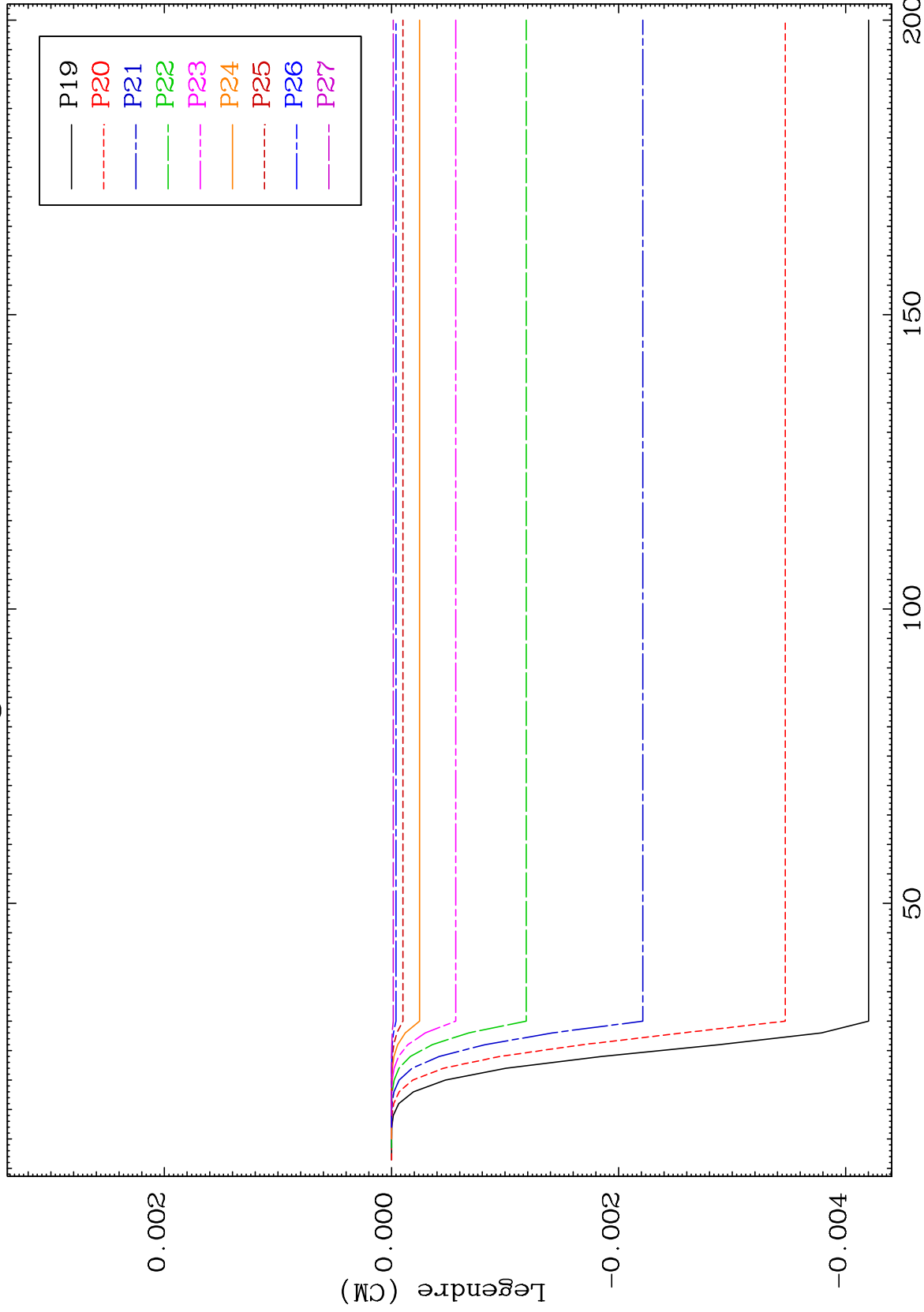
89

58-Ce-148

MAT 5861

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

58-Ce-148



90

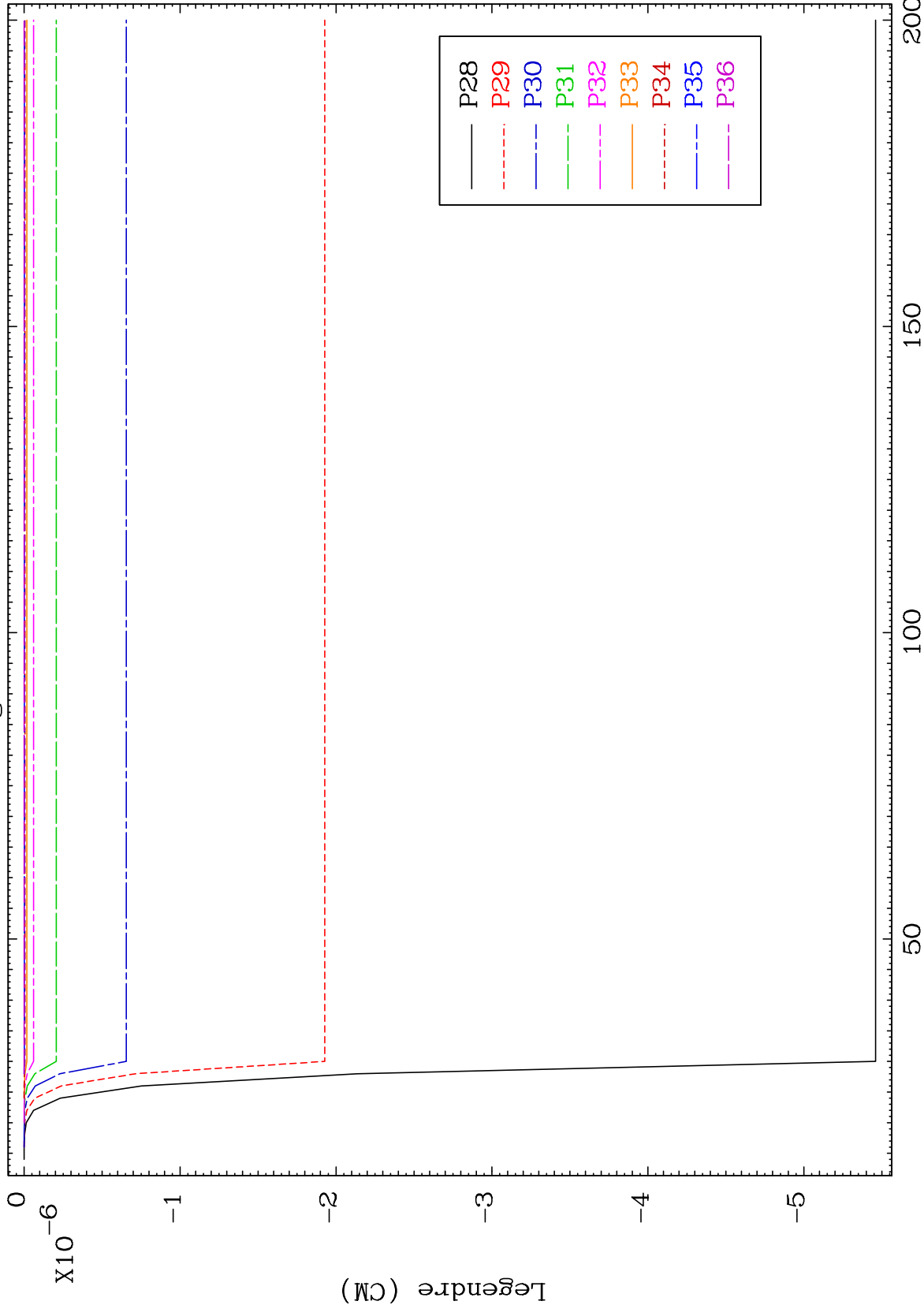
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

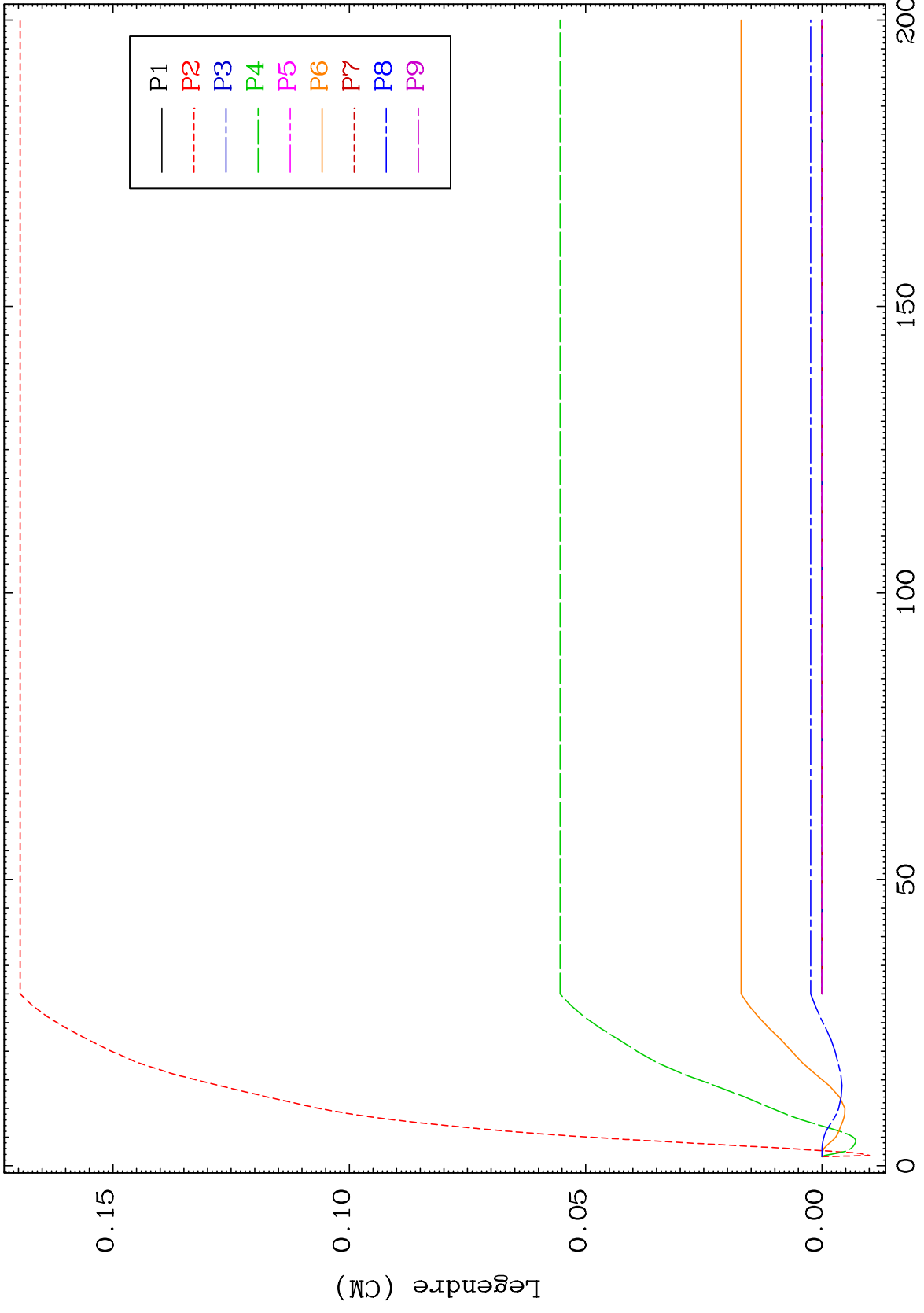
58-Ce-148



58-Ce-148

91

MAT 5861 MT= 70 (n,n') Level Legendre Coefficients 58-Ce-148

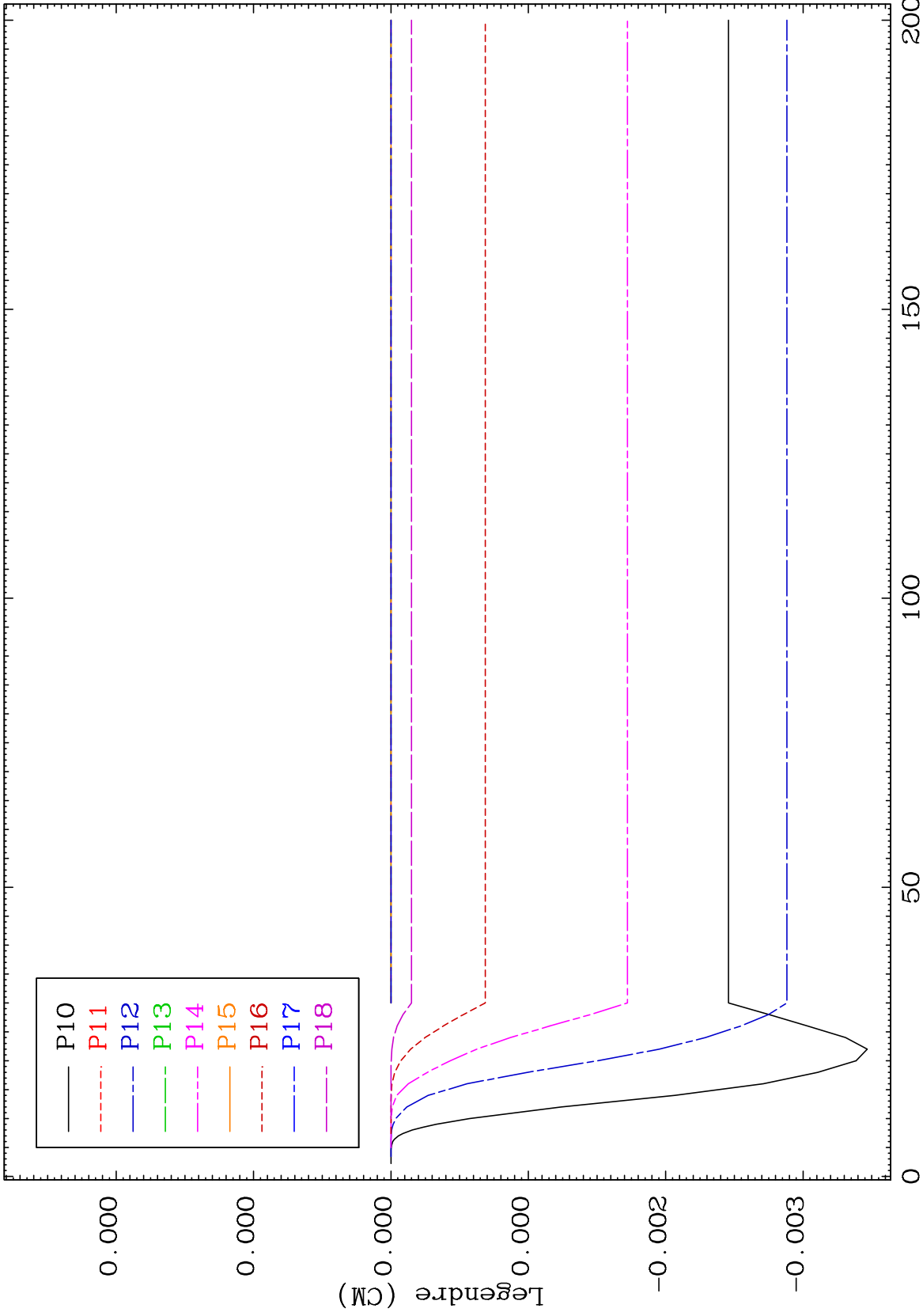


92 58-Ce-148

MAT 5861

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

58-Ce-148

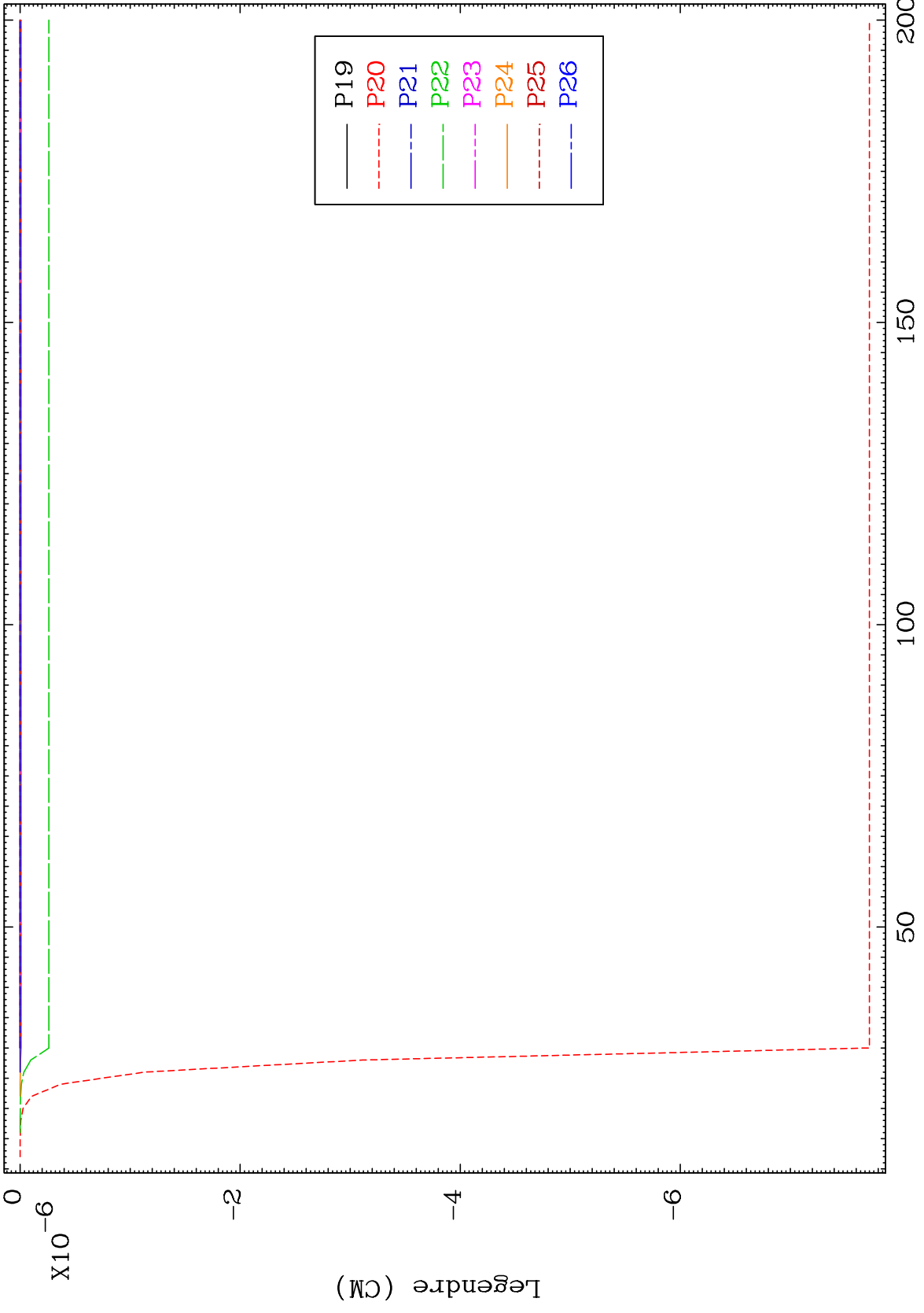


93

Incident Energy (MeV)

58-Ce-148

MAT 5861 MT= 70 (n,n') Level Legendre Coefficients 58-Ce-148

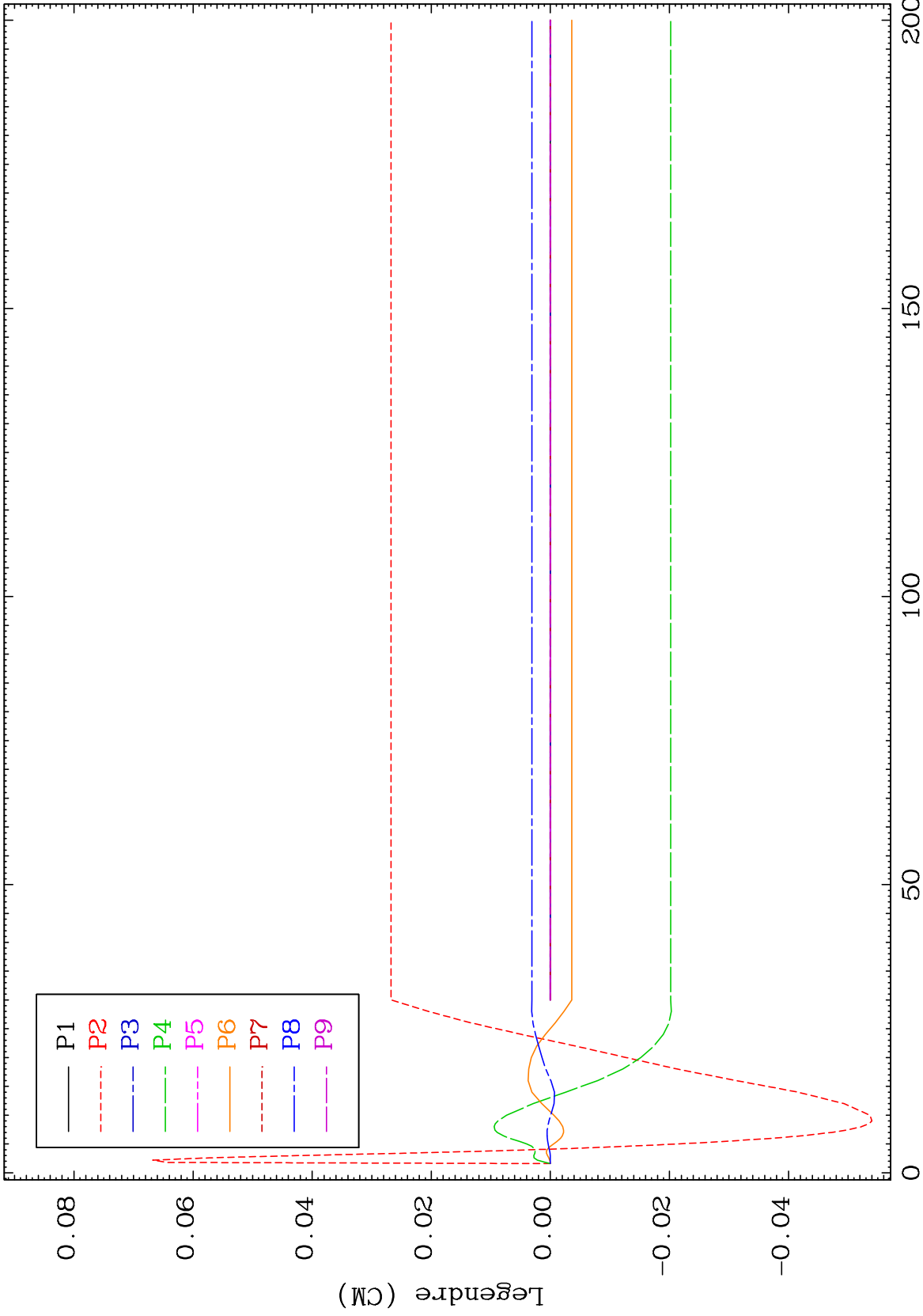


94 58-Ce-148

MAT 5861

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

58-Ce-148



95

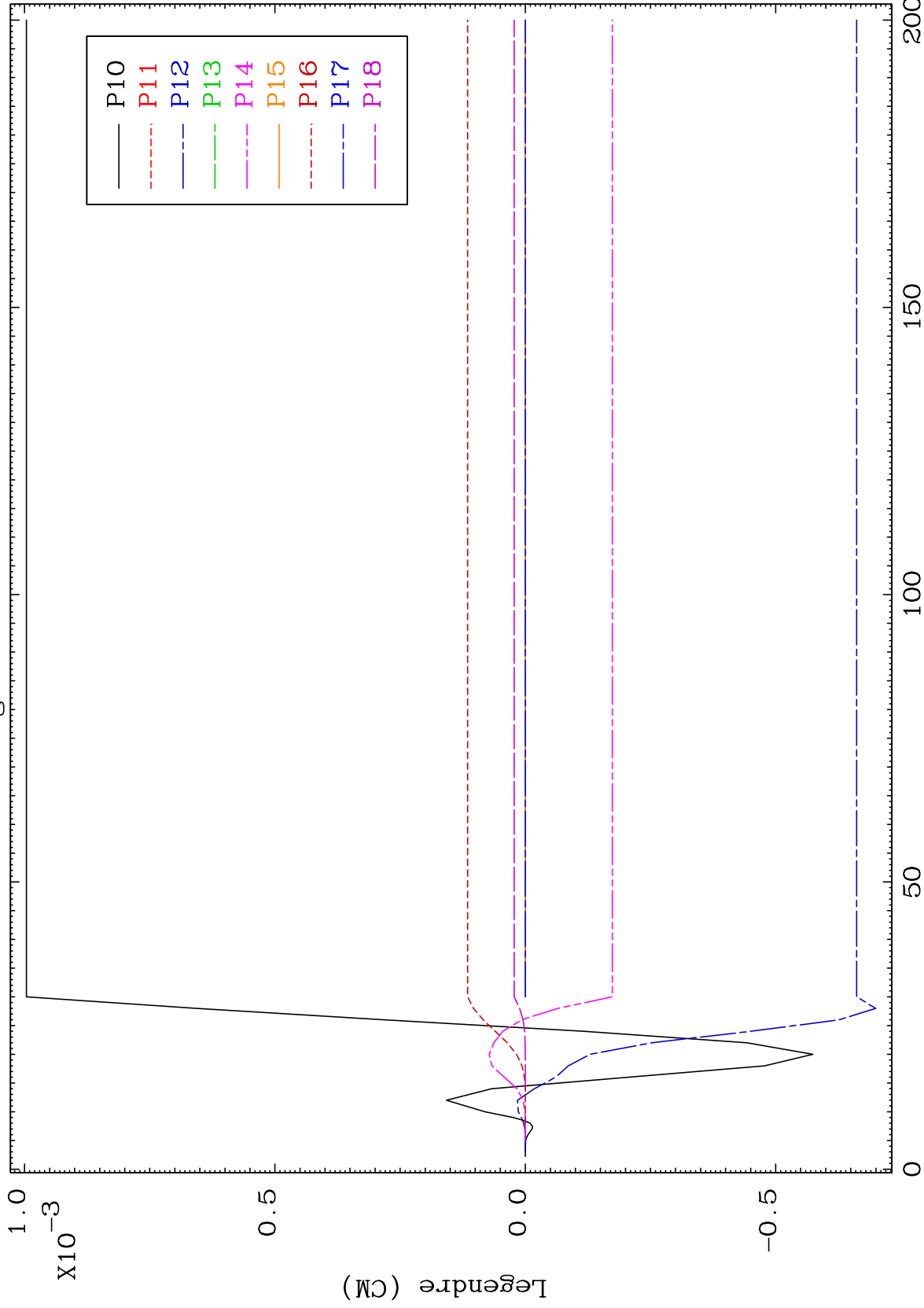
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



96

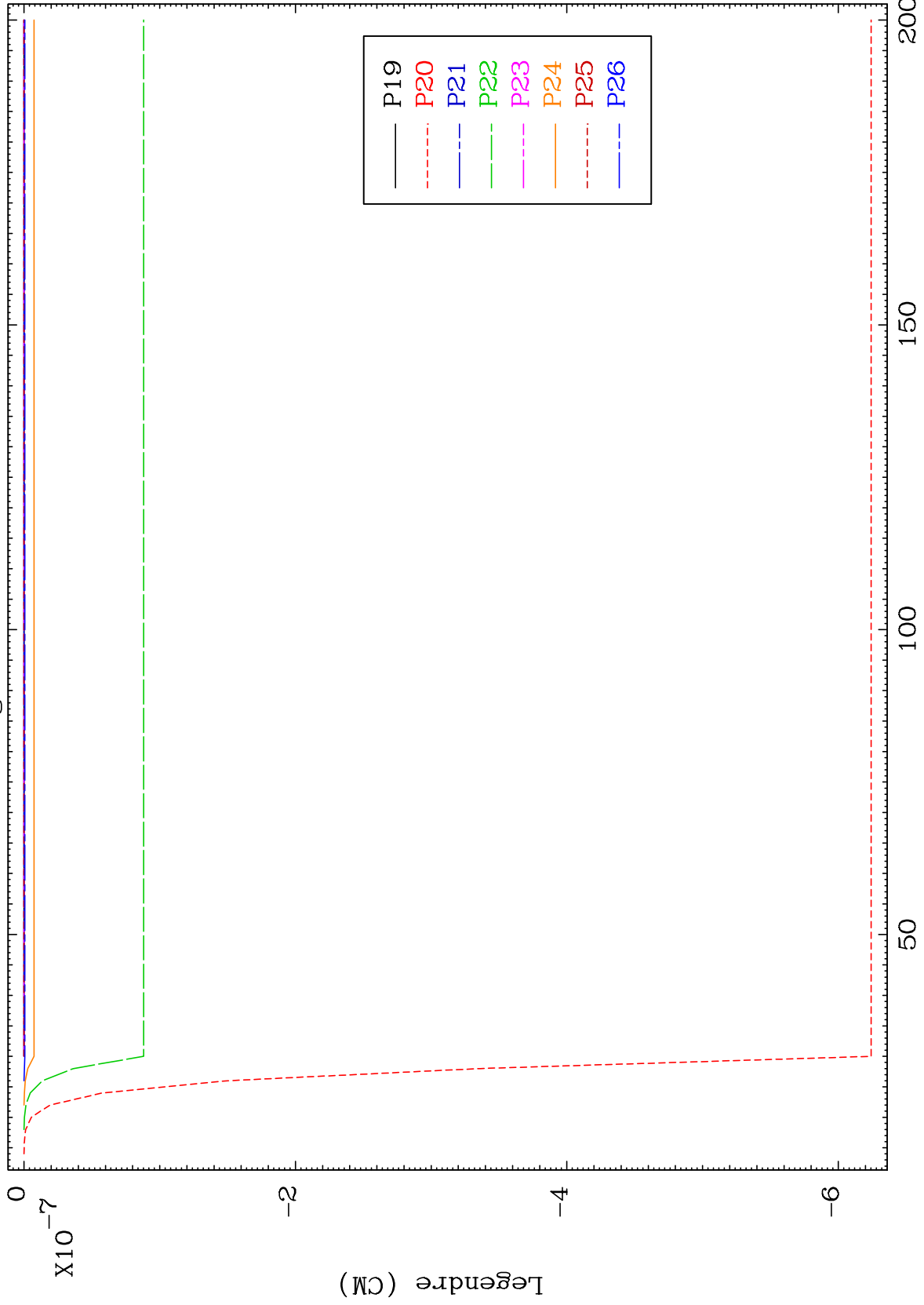
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



58-Ce-148

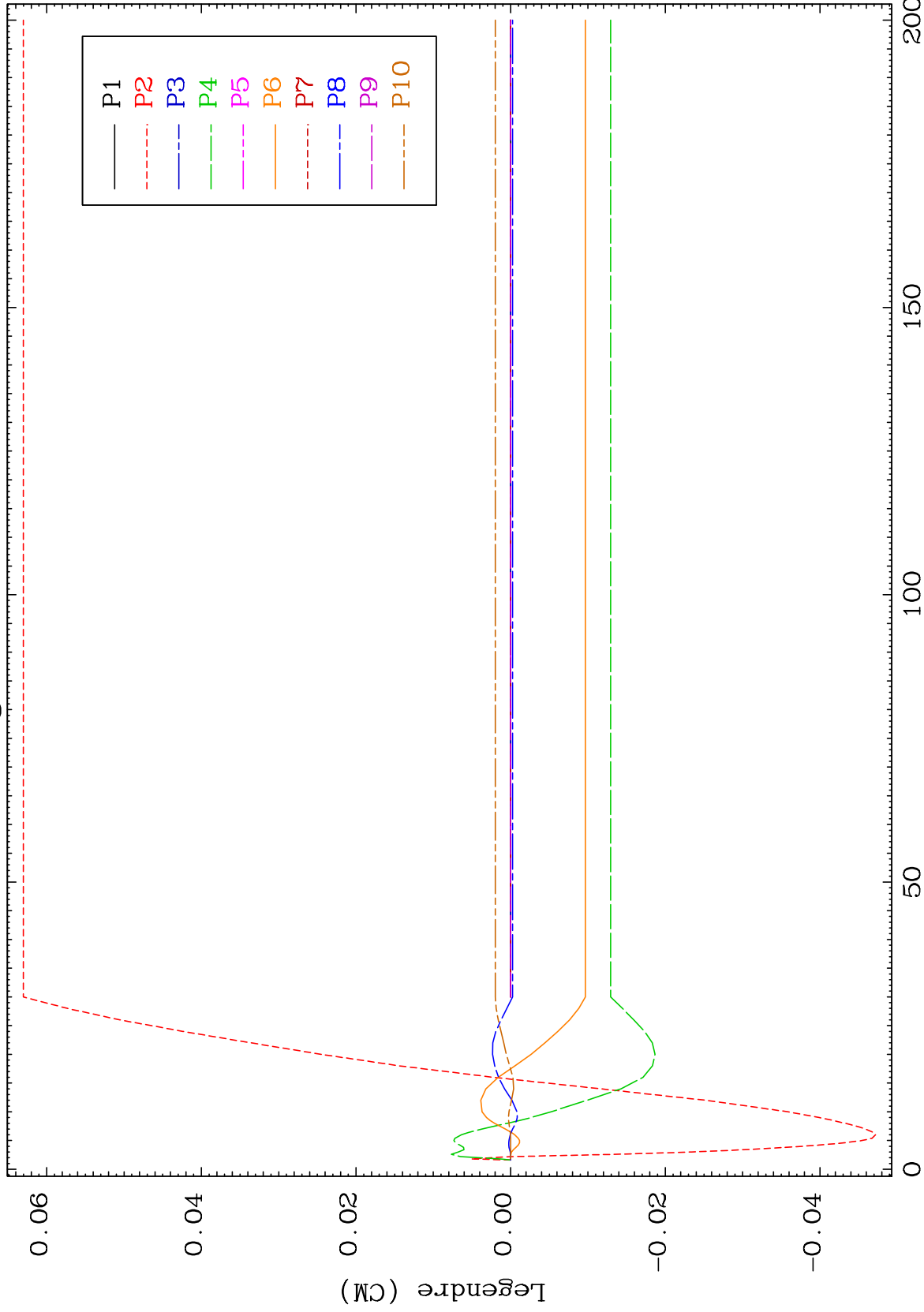
Incident Energy (MeV)

97

MAT 5861

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

58-Ce-148



98

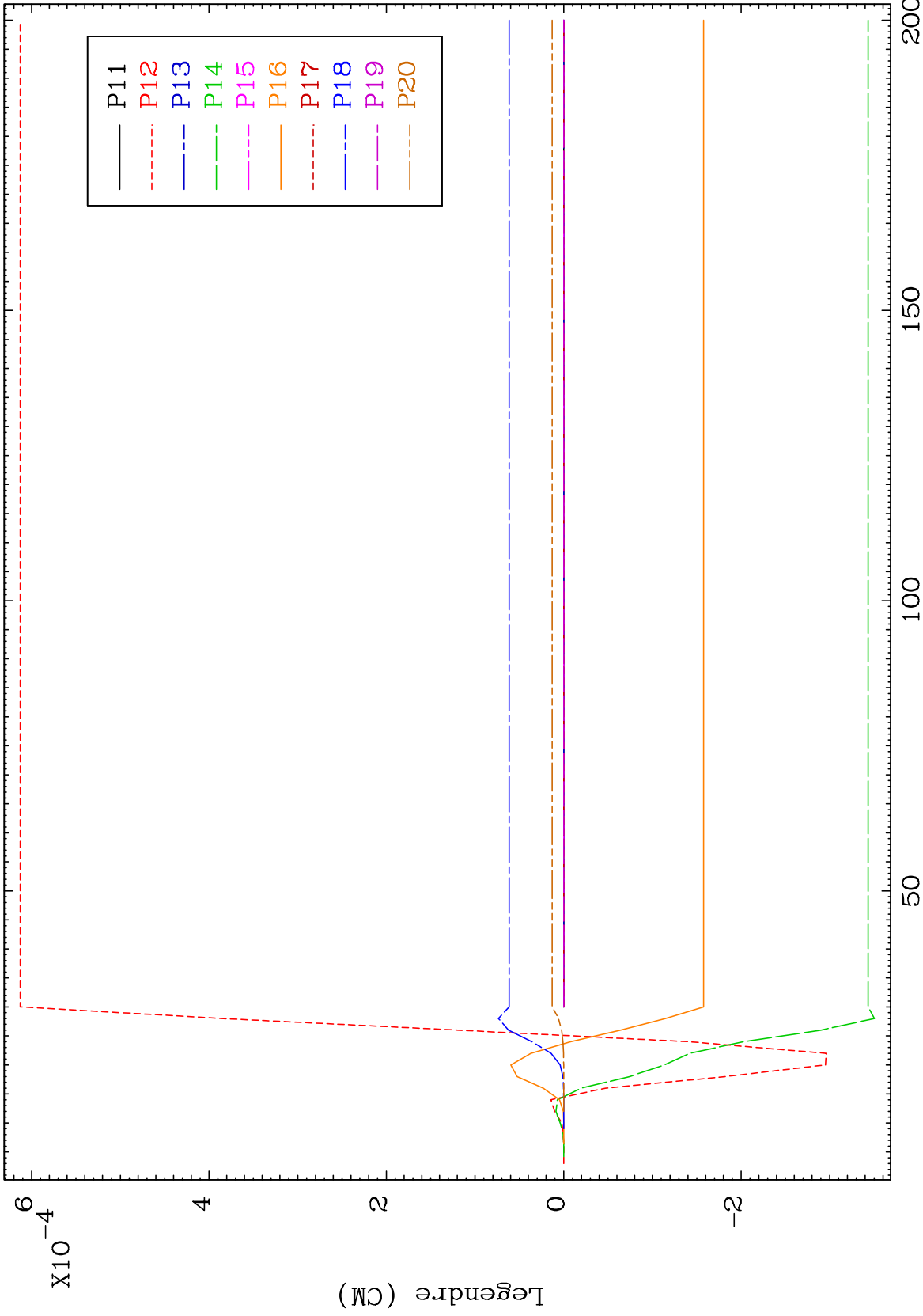
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



99

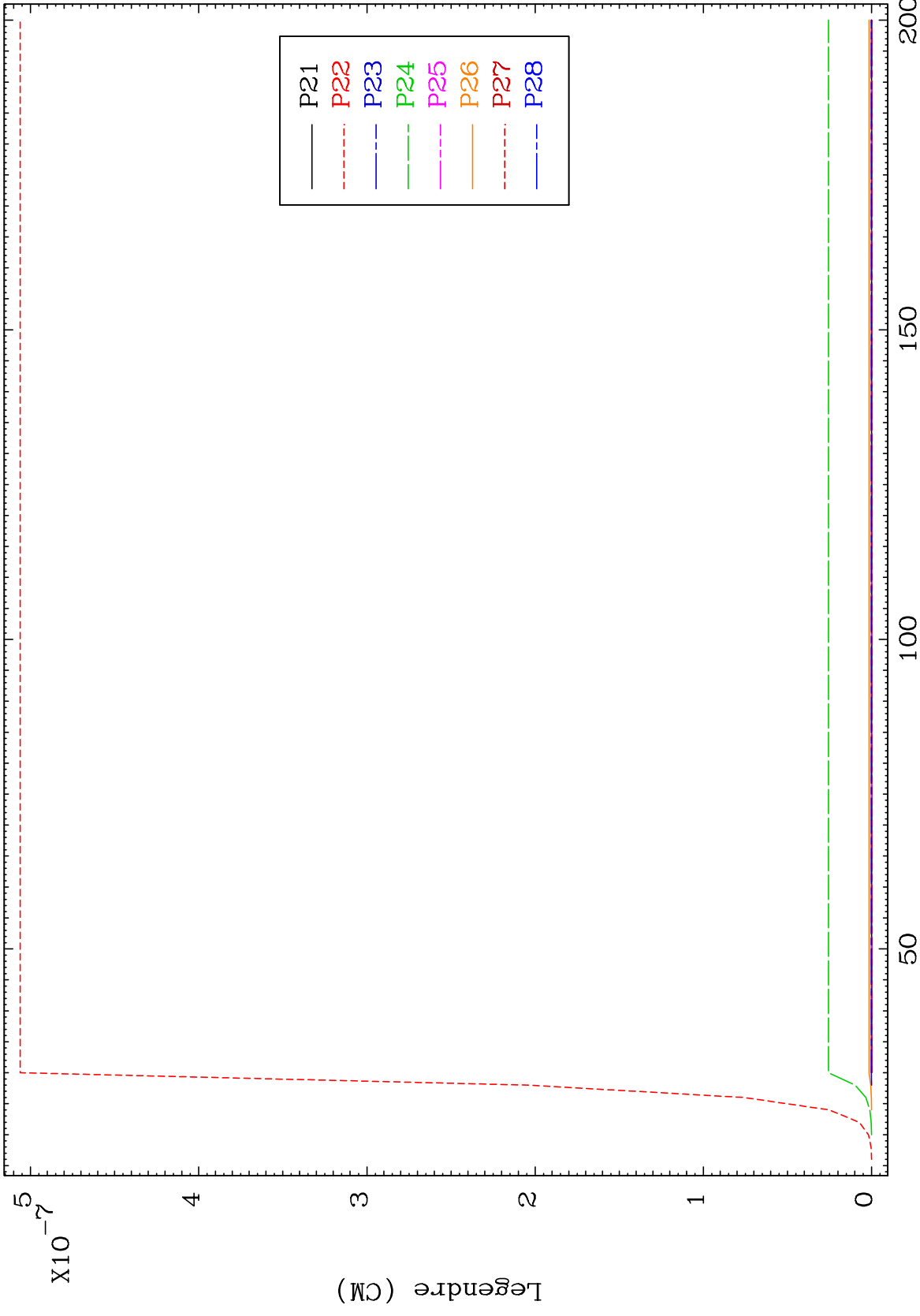
Incident Energy (MeV)

58-Ce-148

MAT 5861

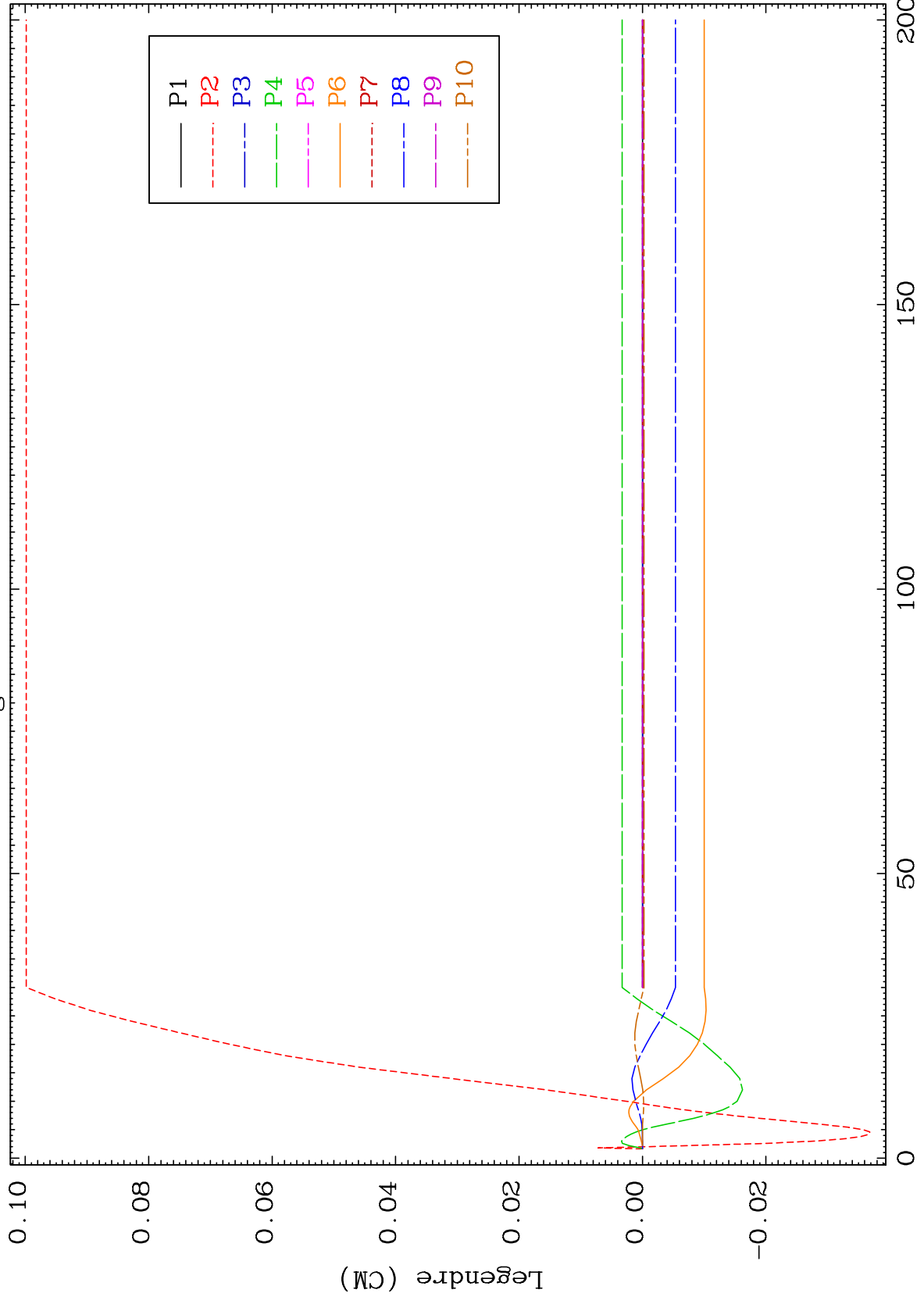
MT= 72 (n,n') Level
Legendre Coefficients

58-Ce-148



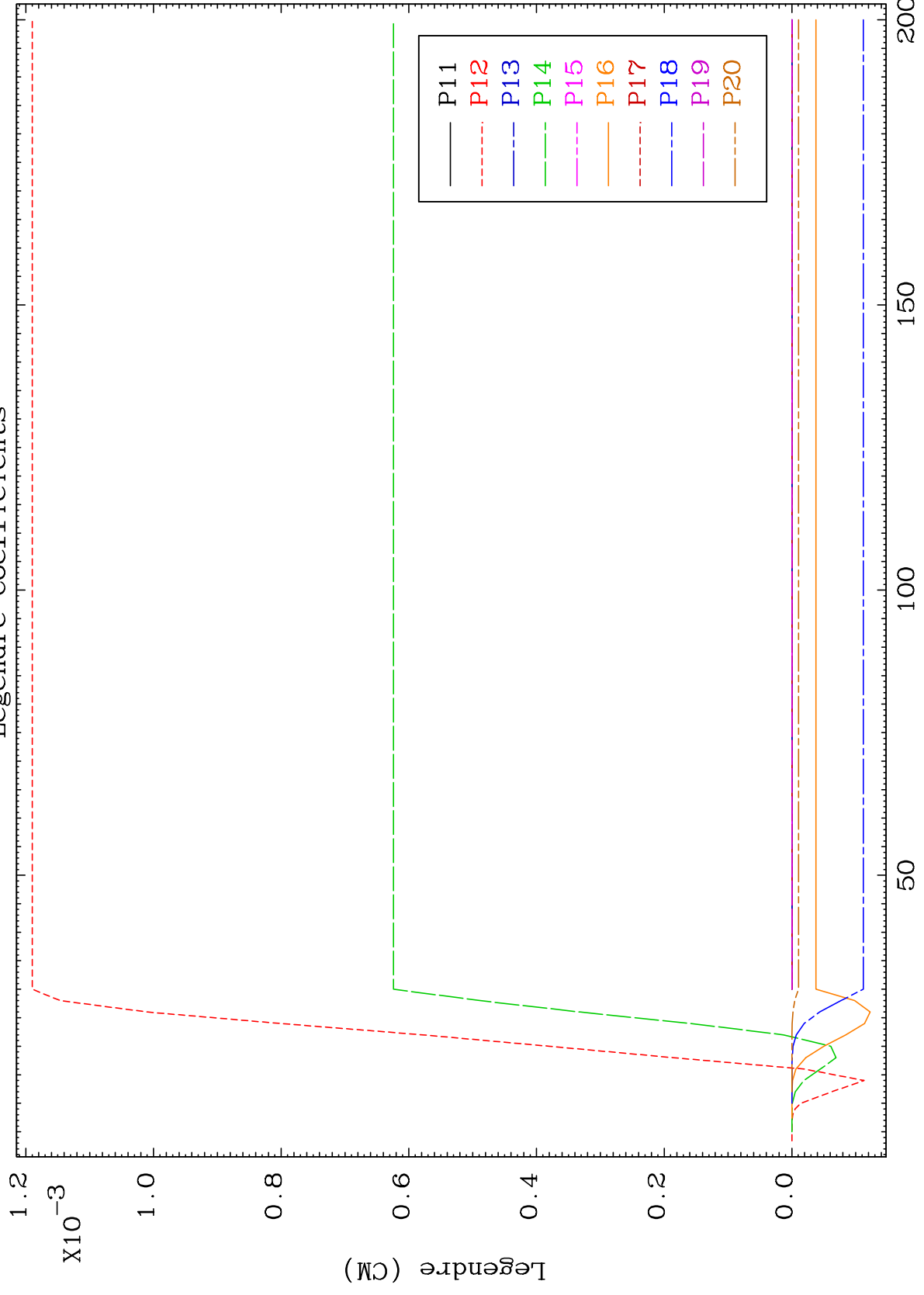
58-Ce-148

MAT 5861 MT= 73 (n,n') Level Legendre Coefficients 58-Ce-148



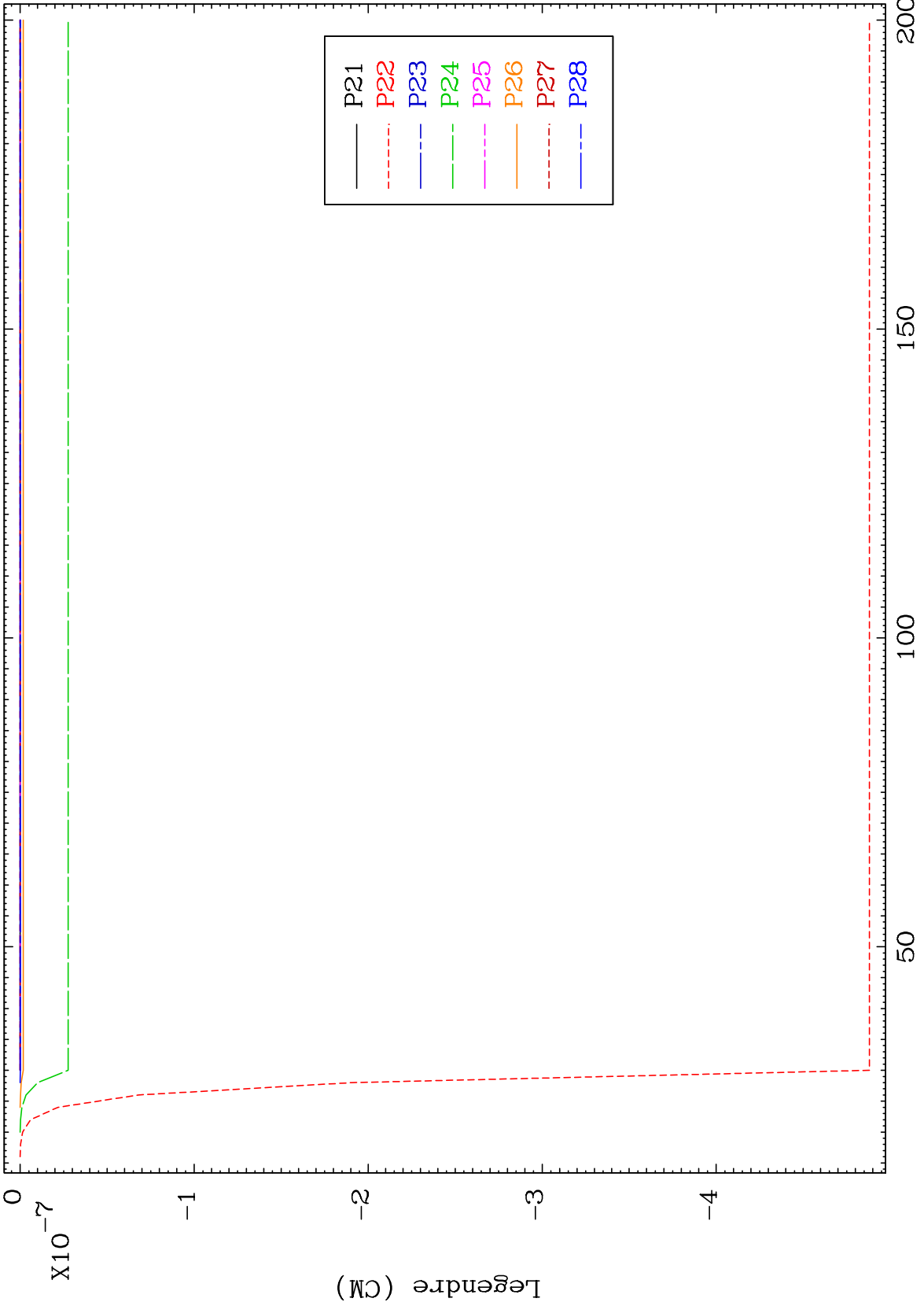
101 58-Ce-148

MAT 5861 MT= 73 (n,n') Level Legendre Coefficients 58-Ce-148



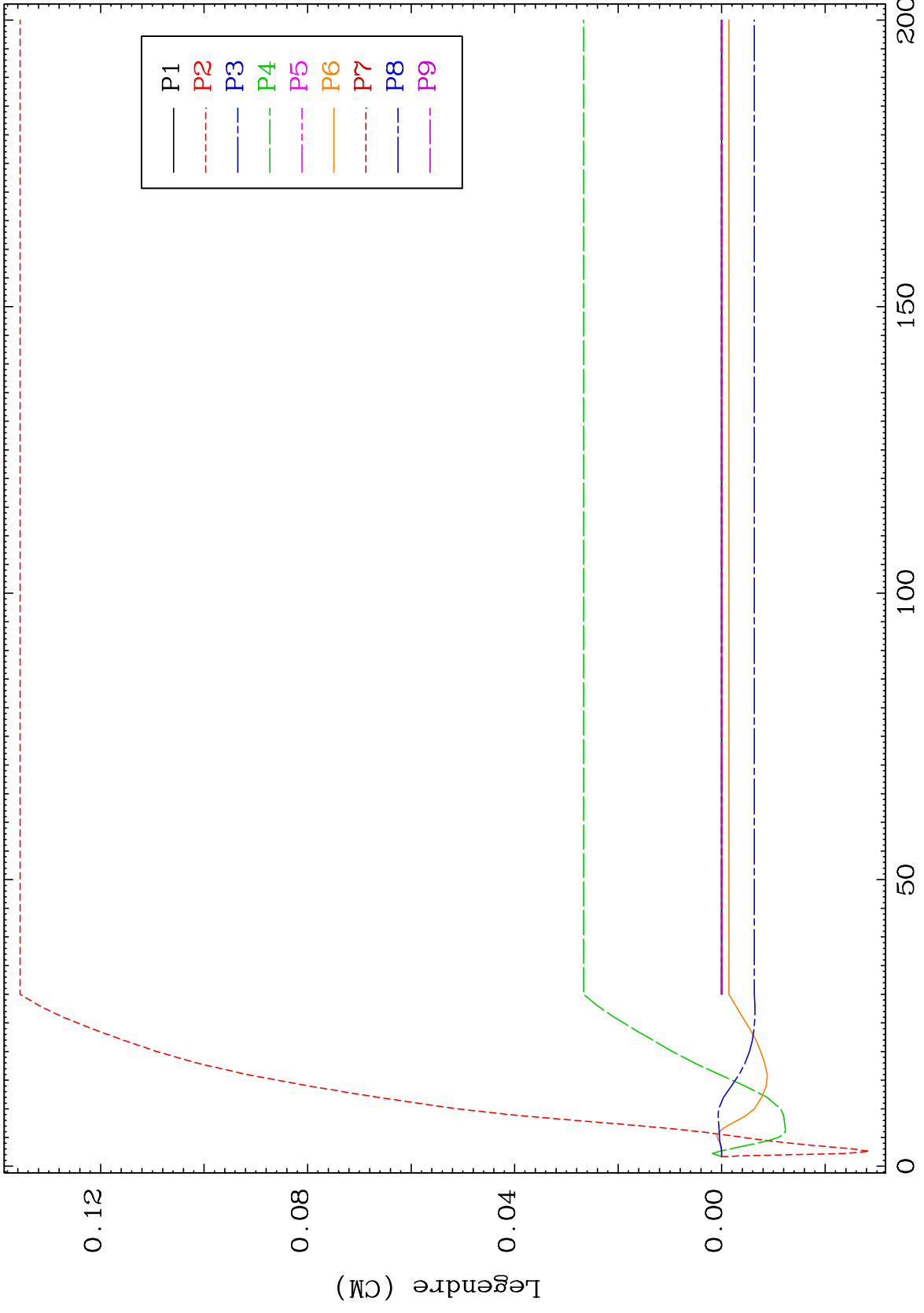
102 Incident Energy (MeV) 58-Ce-148

MAT 5861 MT= 73 (n,n') Level Legendre Coefficients 58-Ce-148



103 58-Ce-148

MAT 5861 MT= 74 (n,n') Level Legendre Coefficients 58-Ce-148

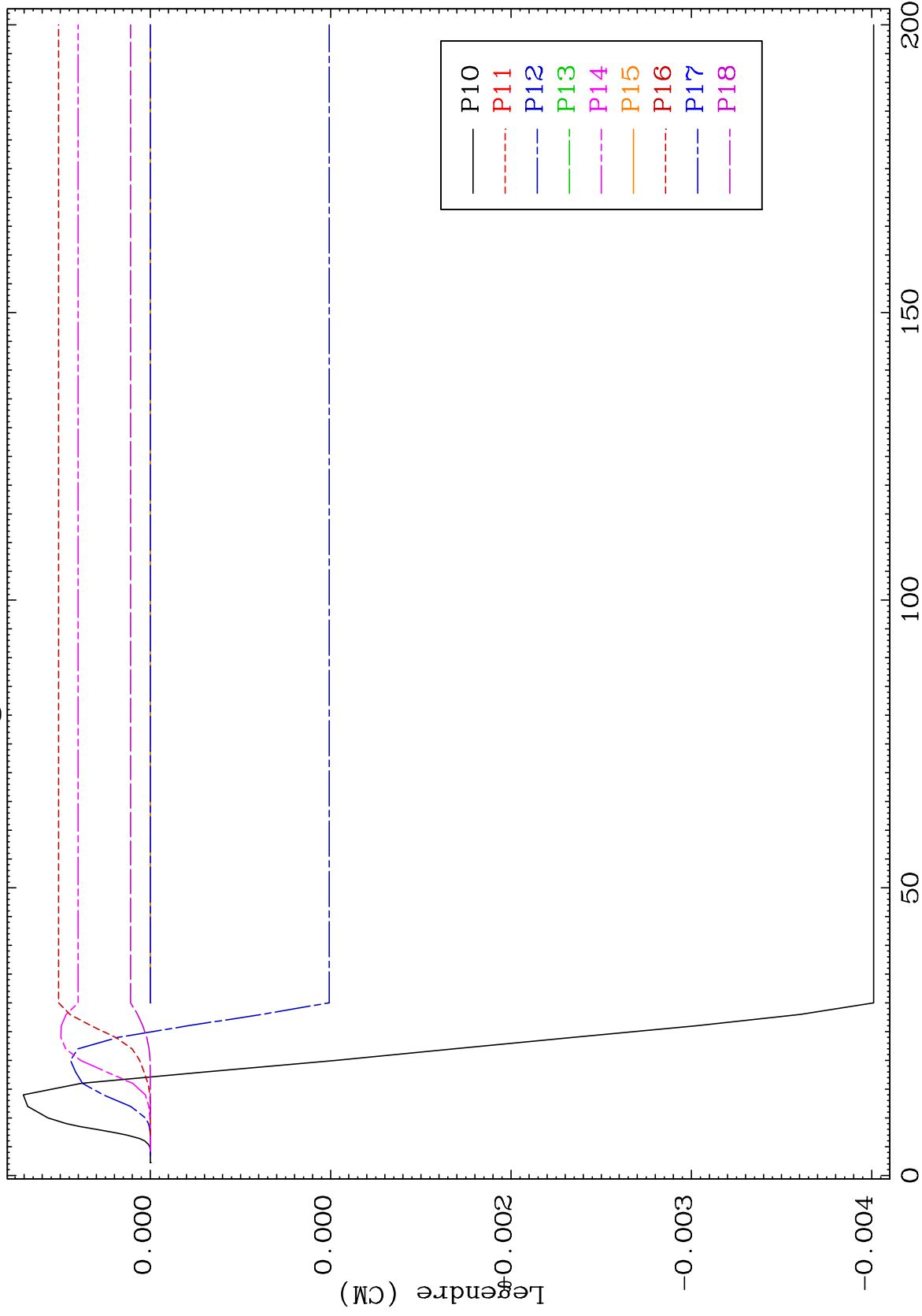


104 58-Ce-148

MAT 5861

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

58-Ce-148



105

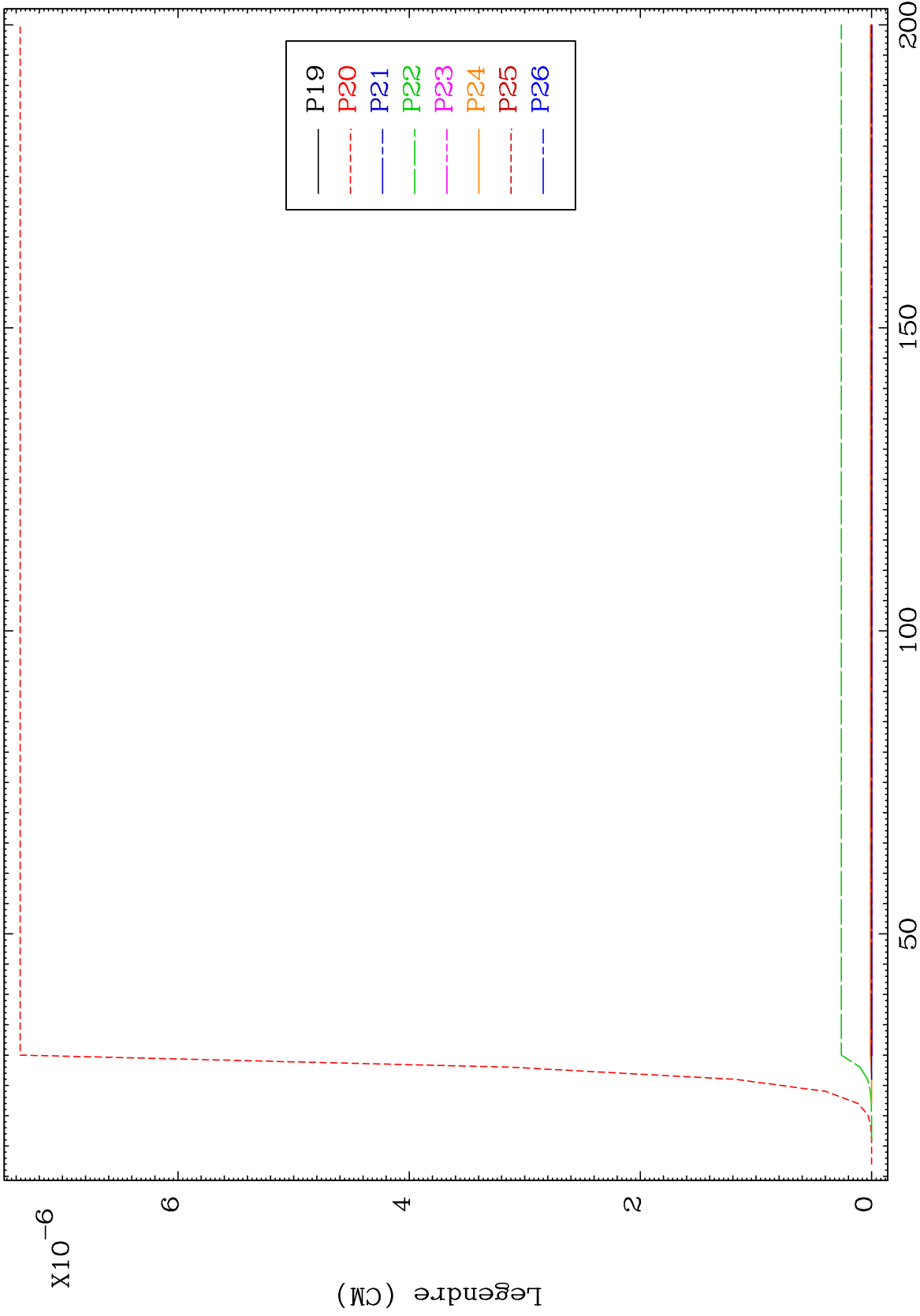
58-Ce-148

58-Ce-148

MAT 5861

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

58-Ce-148



106

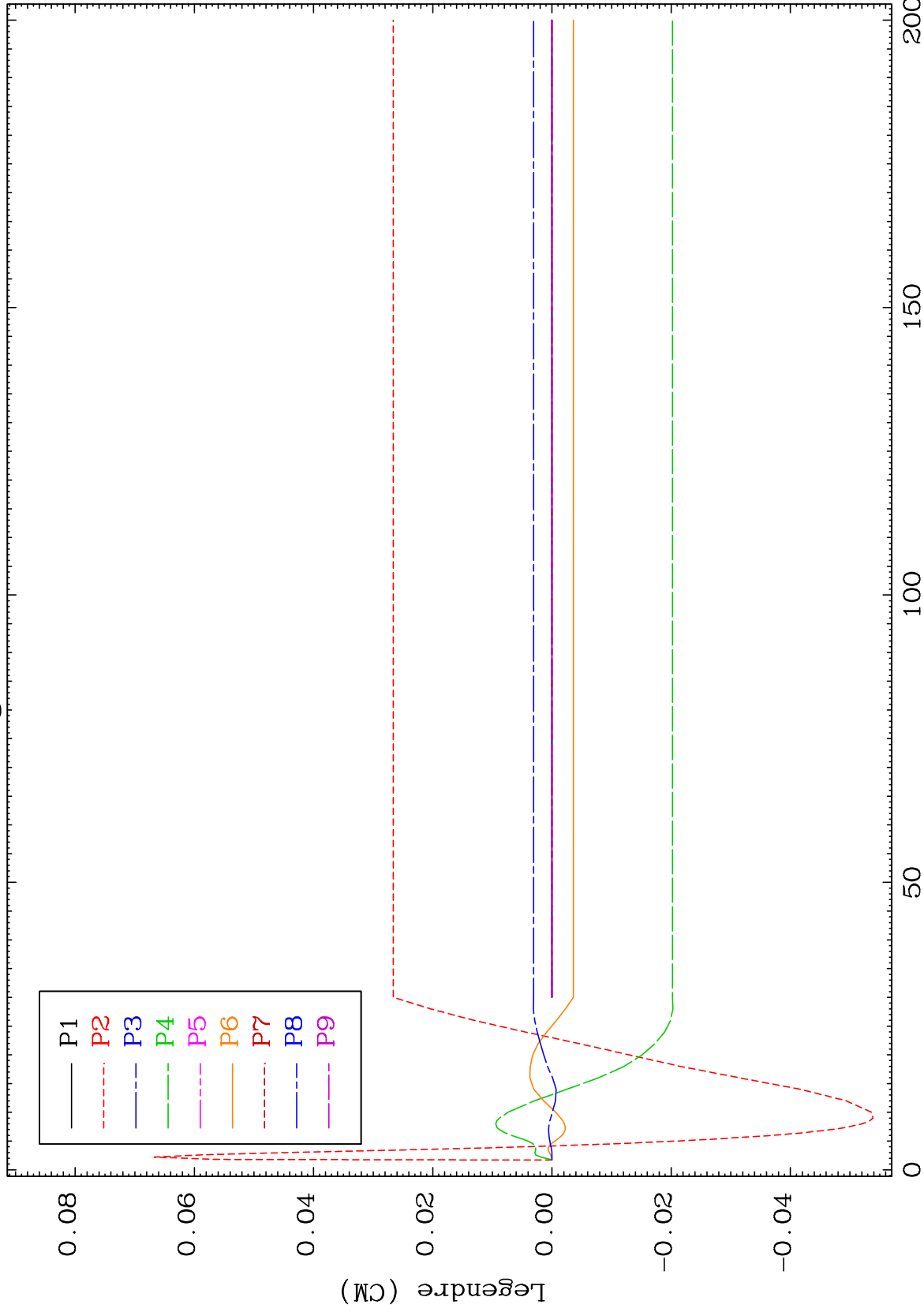
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



107

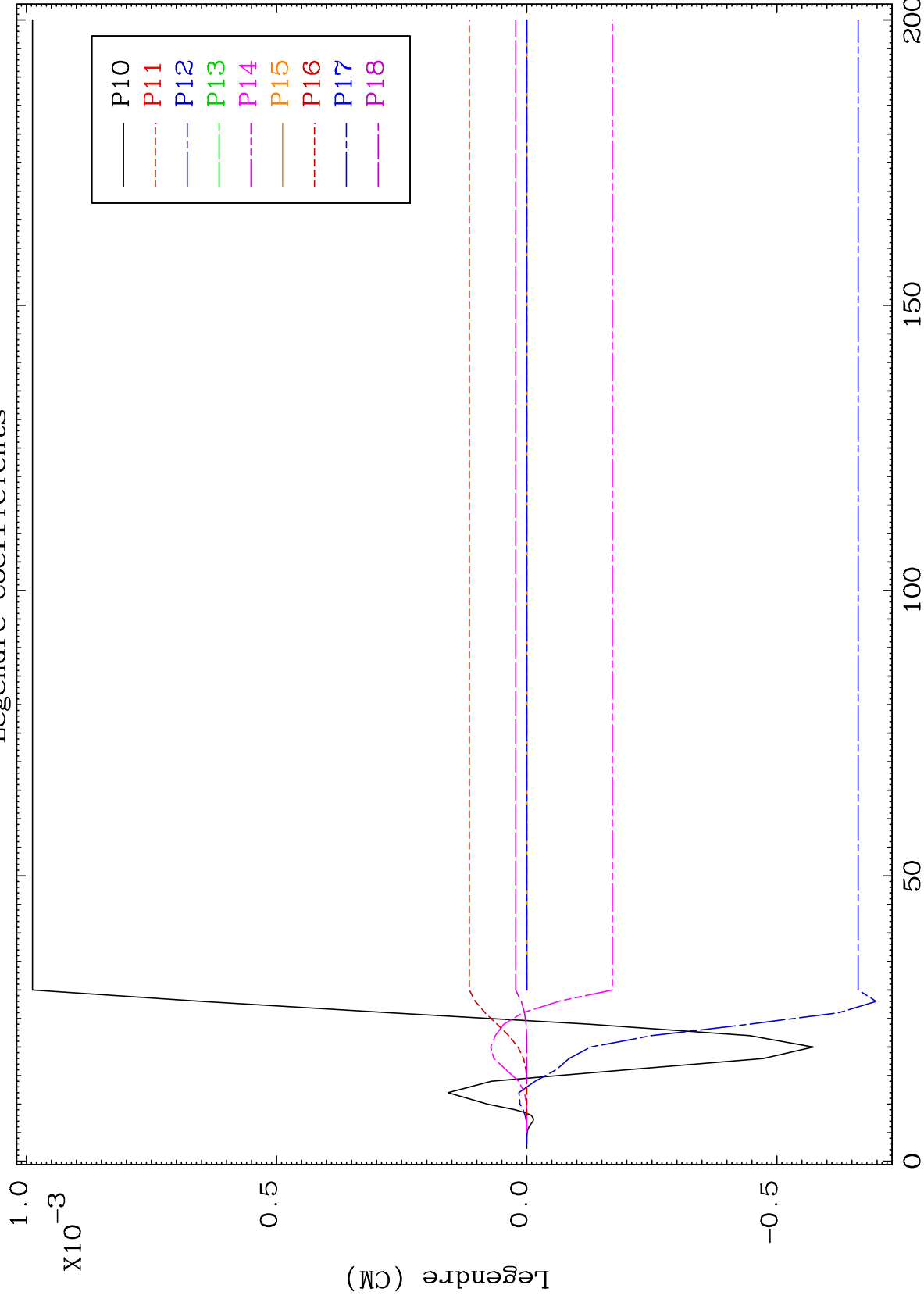
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

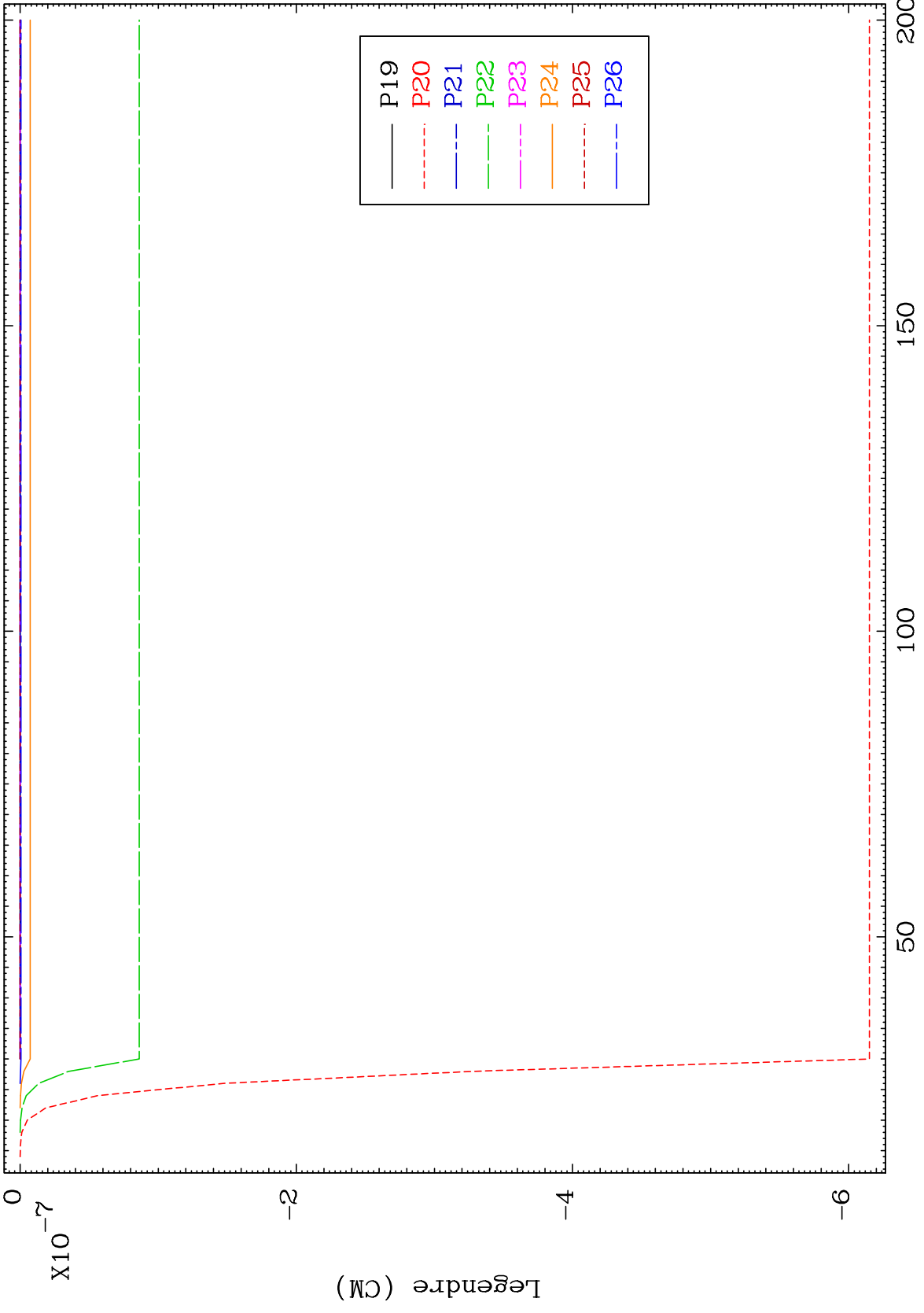
58-Ce-148



108

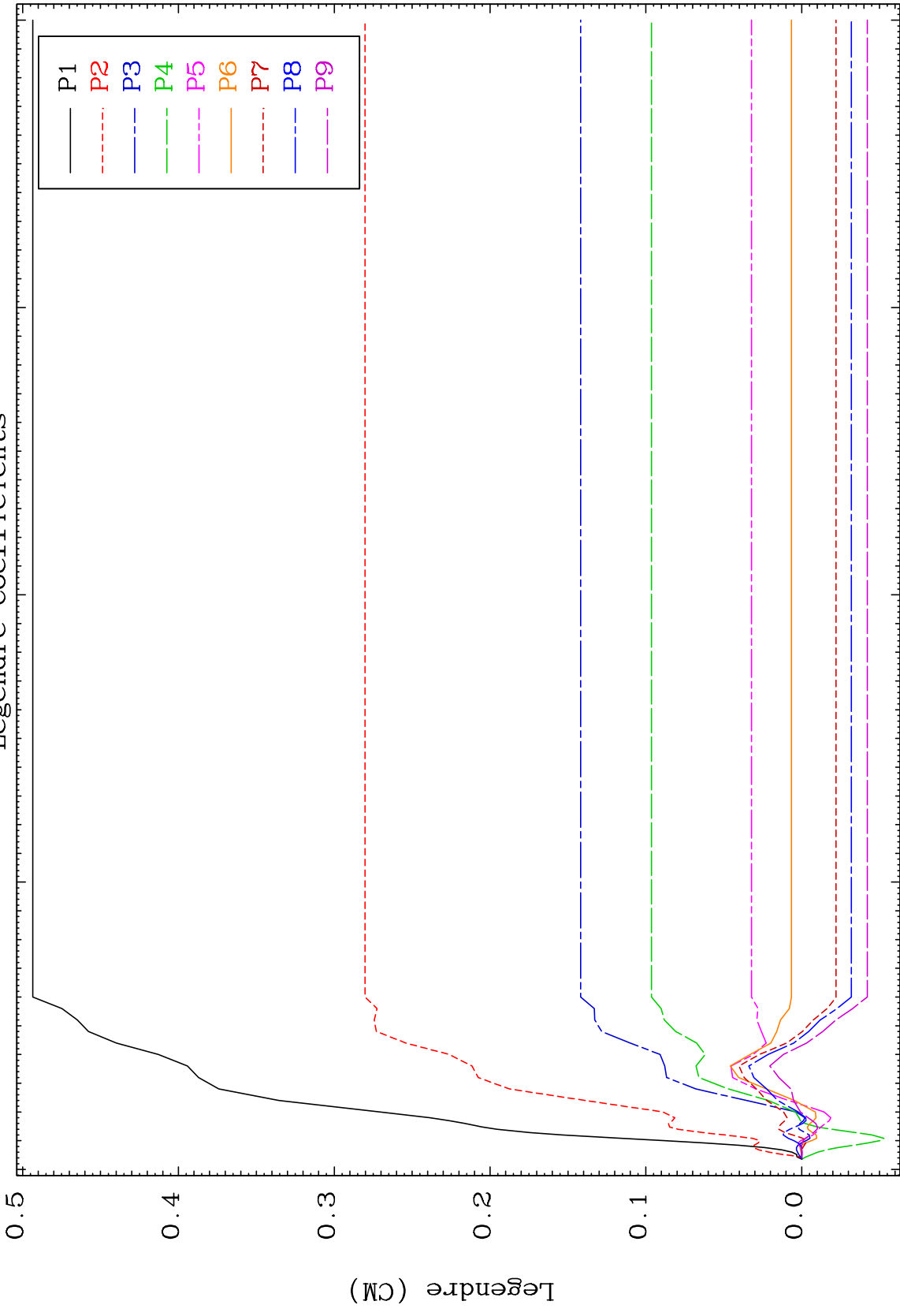
58-Ce-148

MAT 5861 MT= 75 (n,n') Level Legendre Coefficients 58-Ce-148



109 58-Ce-148

MAT 5861 MT= 76 (n,n') Level Legendre Coefficients 58-Ce-148

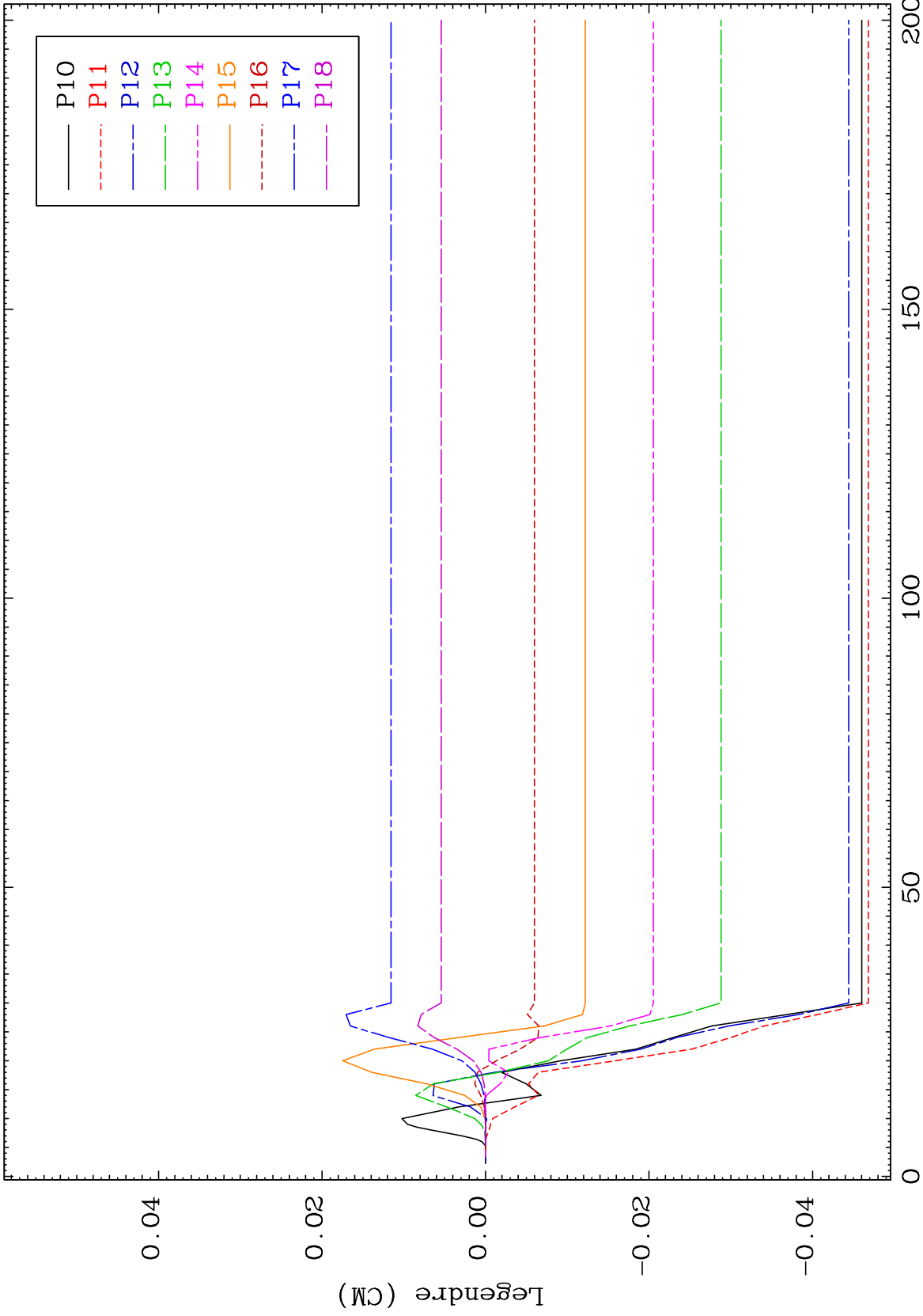


110 Incident Energy (MeV) 58-Ce-148

MAT 5861

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

58-Ce-148



111

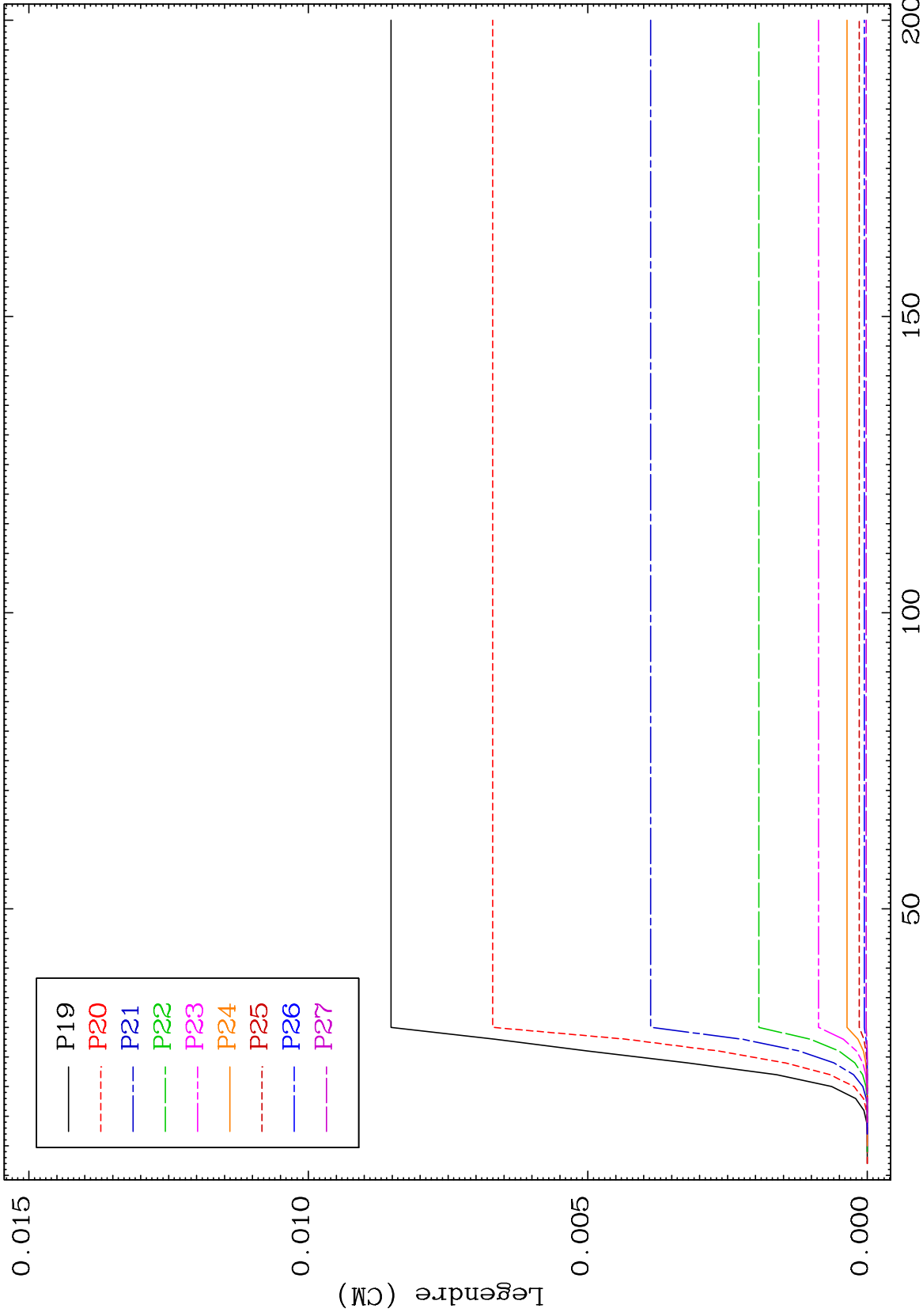
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



112

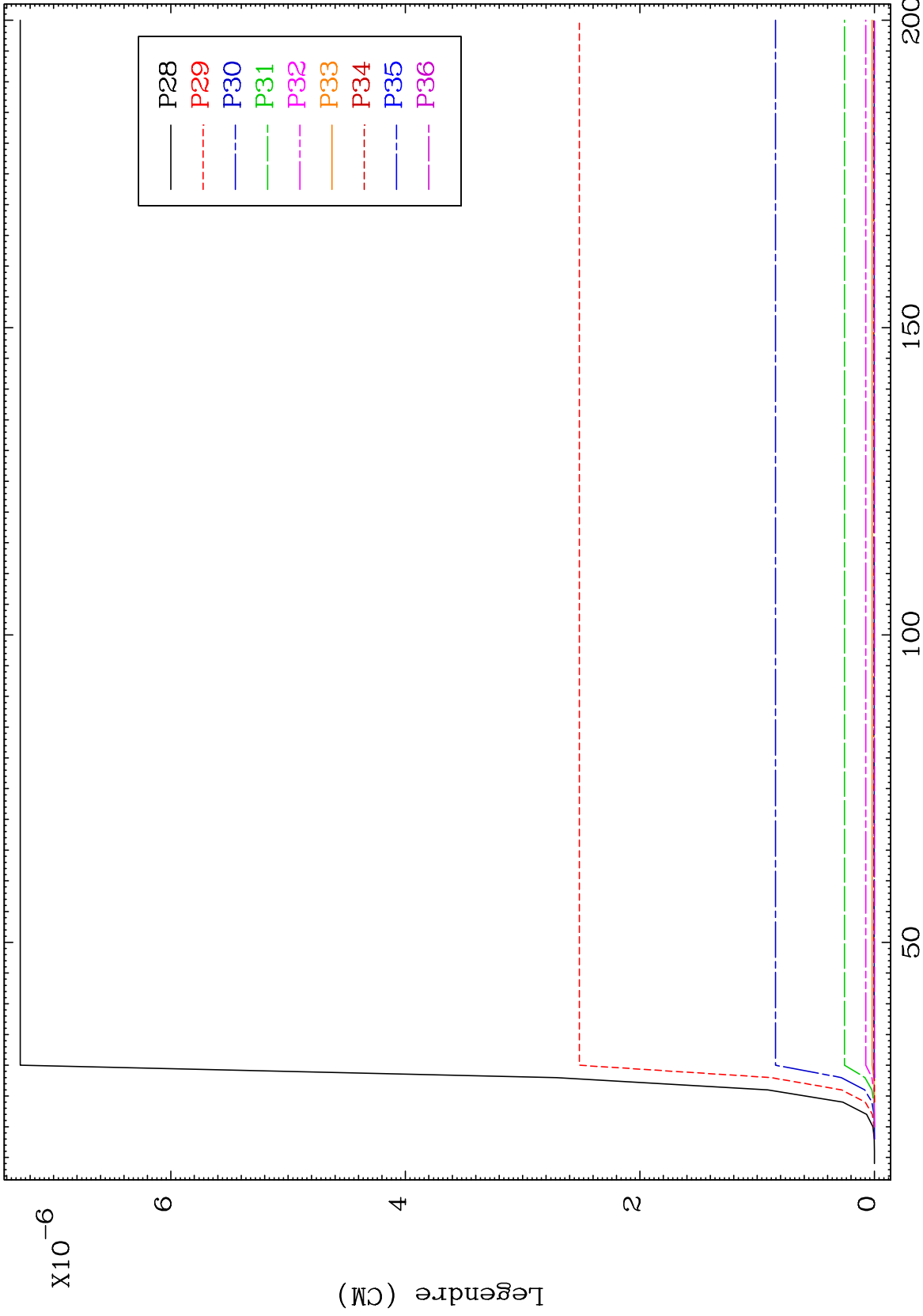
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



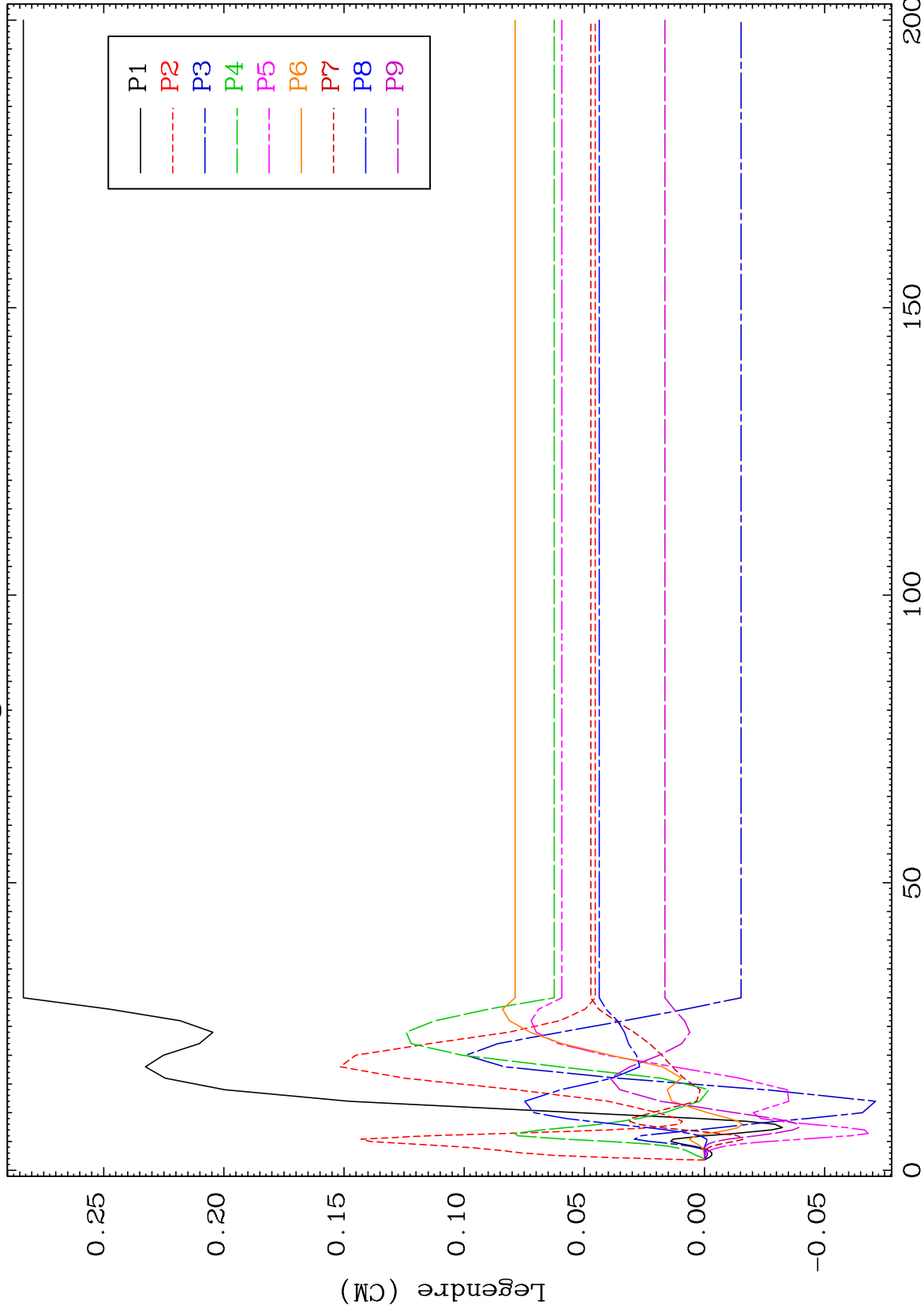
113

58-Ce-148

MAT 5861

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

58-Ce-148



114

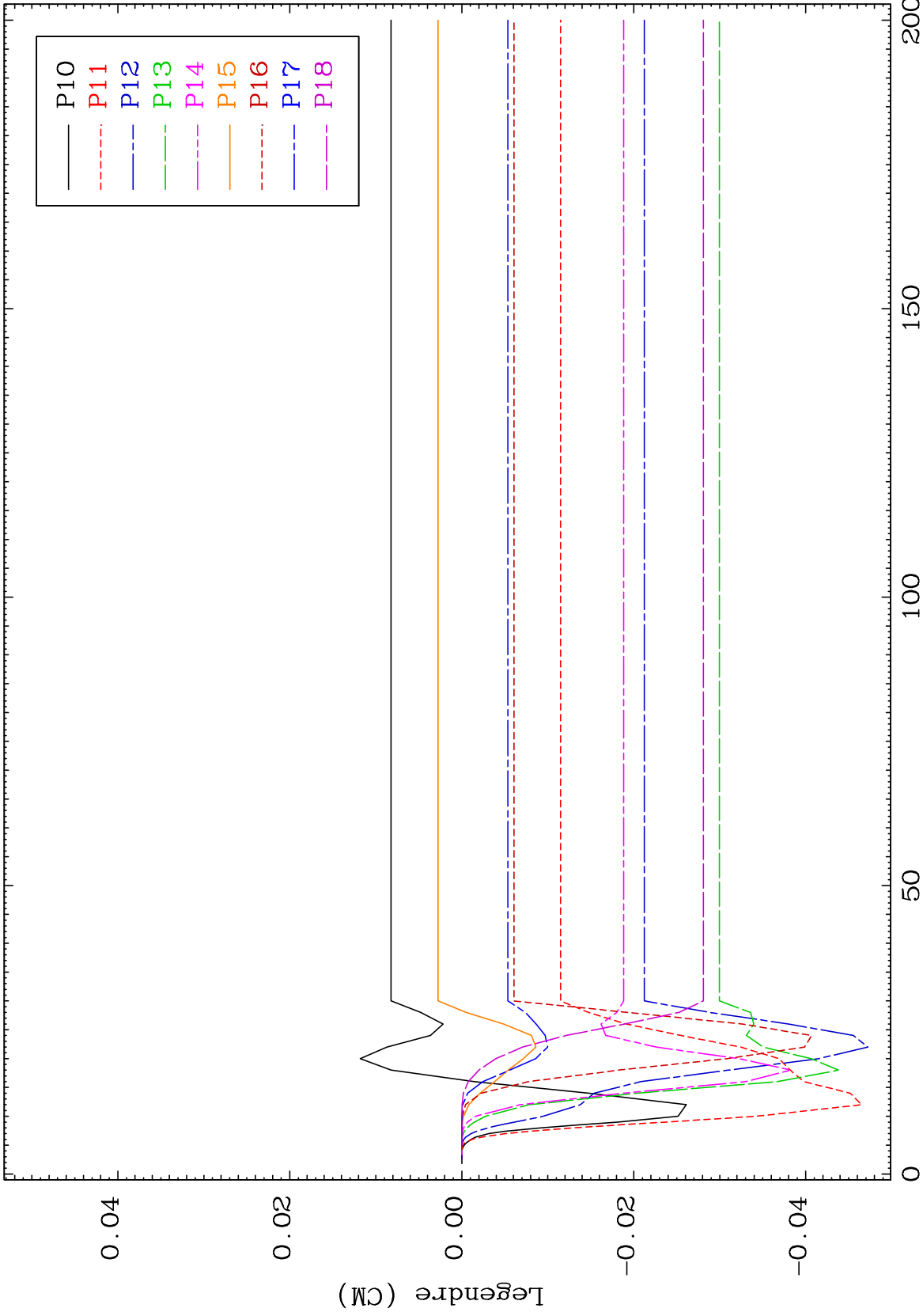
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



115

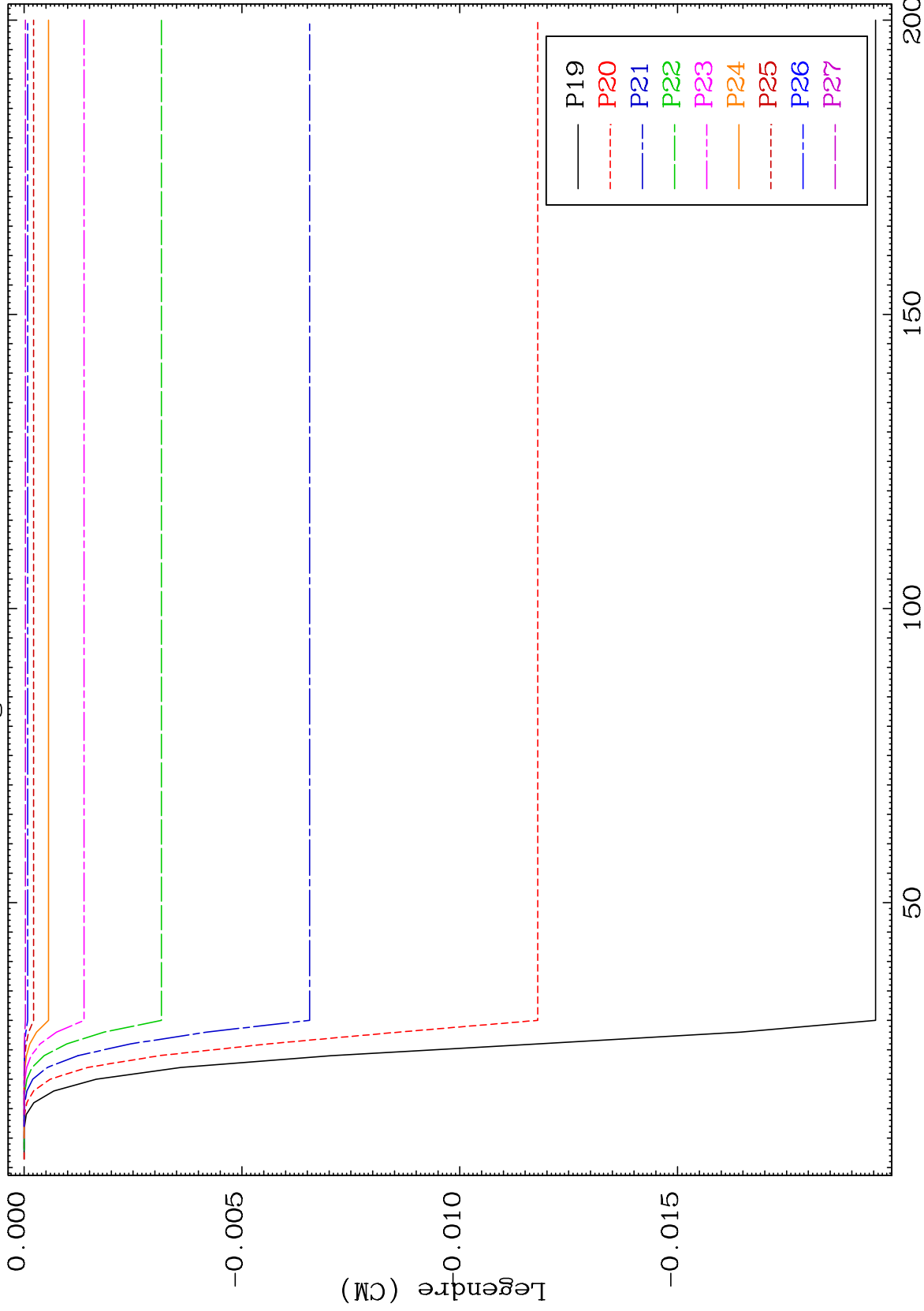
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



58-Ce-148

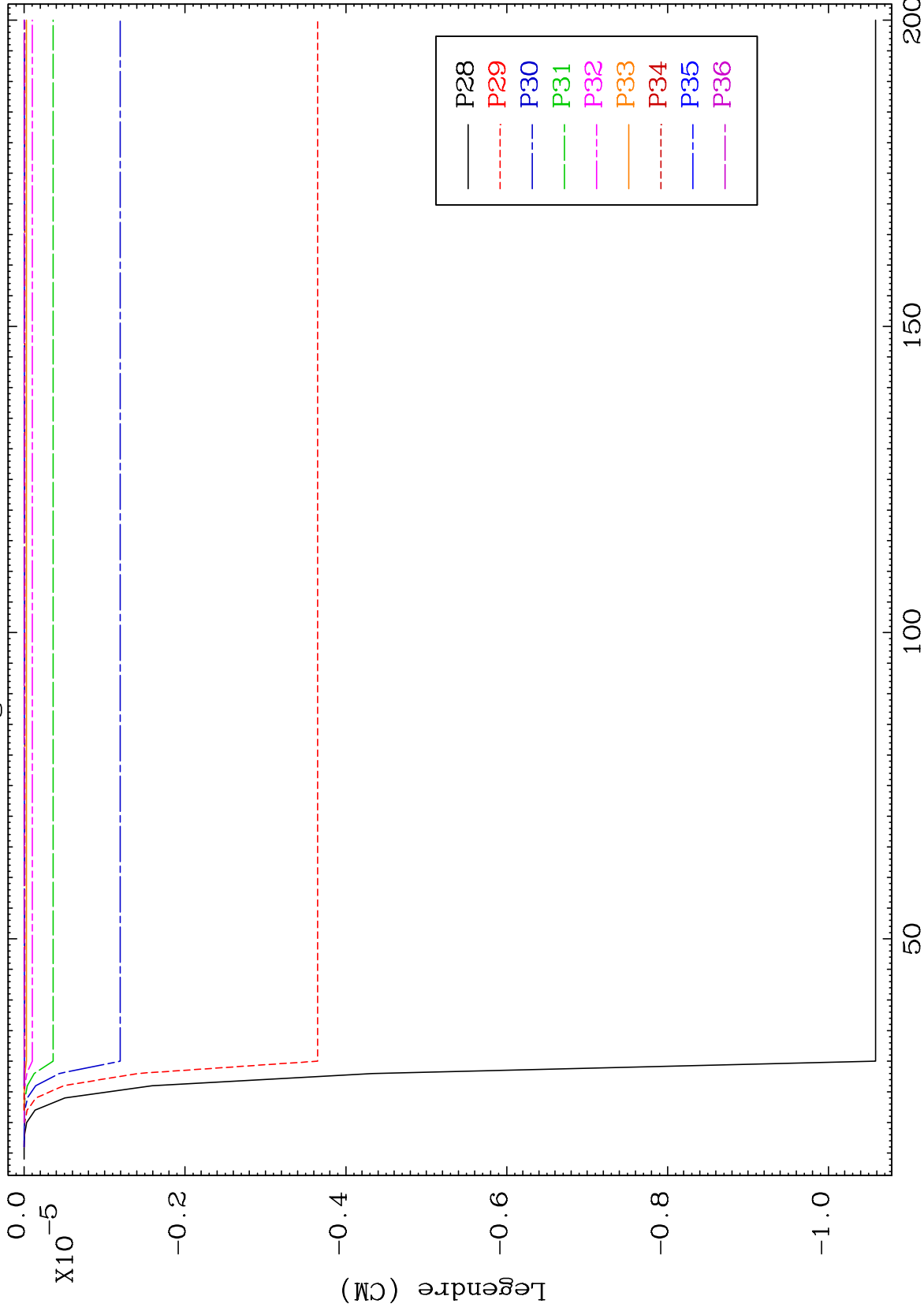
Incident Energy (MeV)

116

MAT 5861

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

58-Ce-148



58-Ce-148

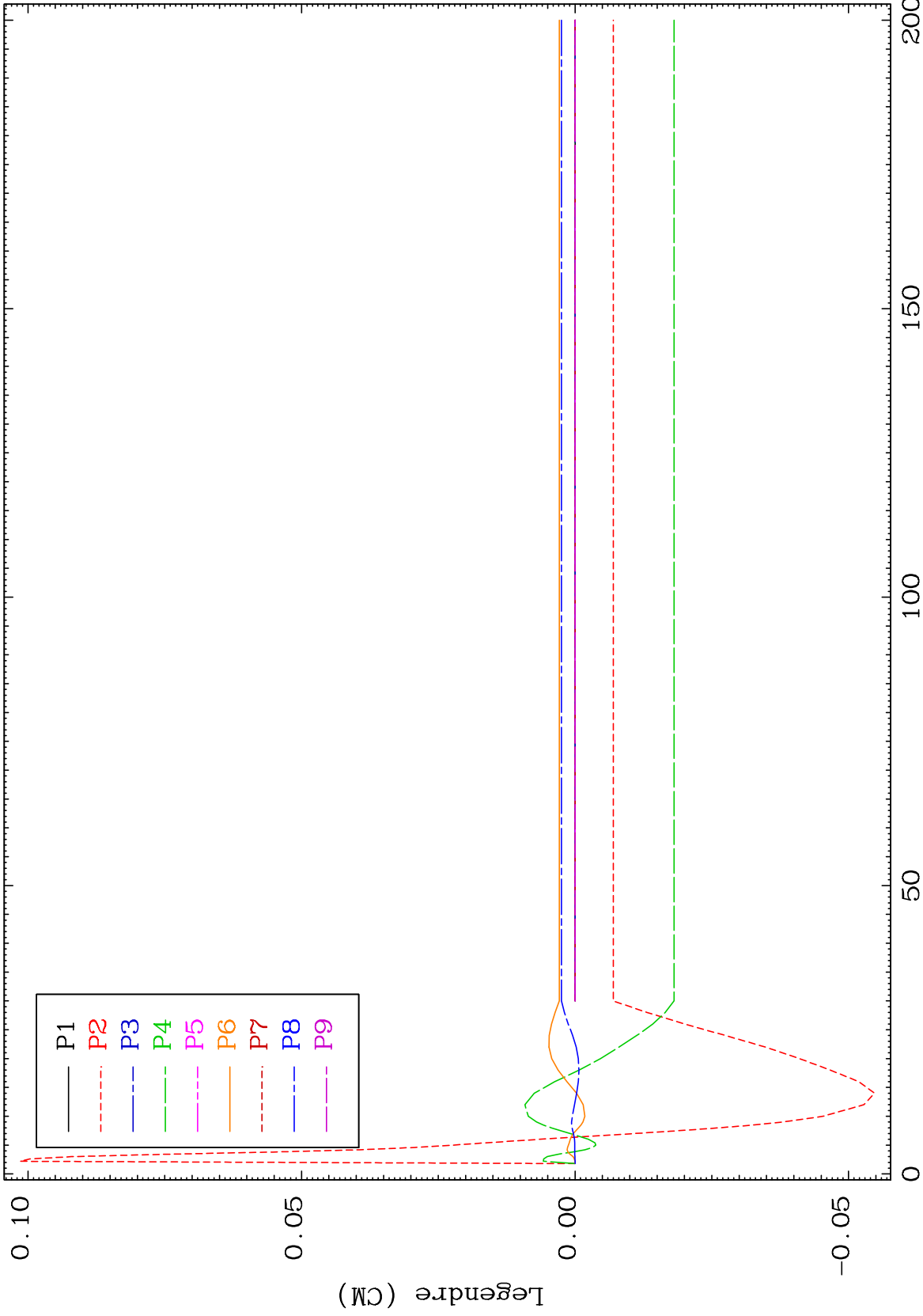
Incident Energy (MeV)

117

MAT 5861

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

58-Ce-148



118

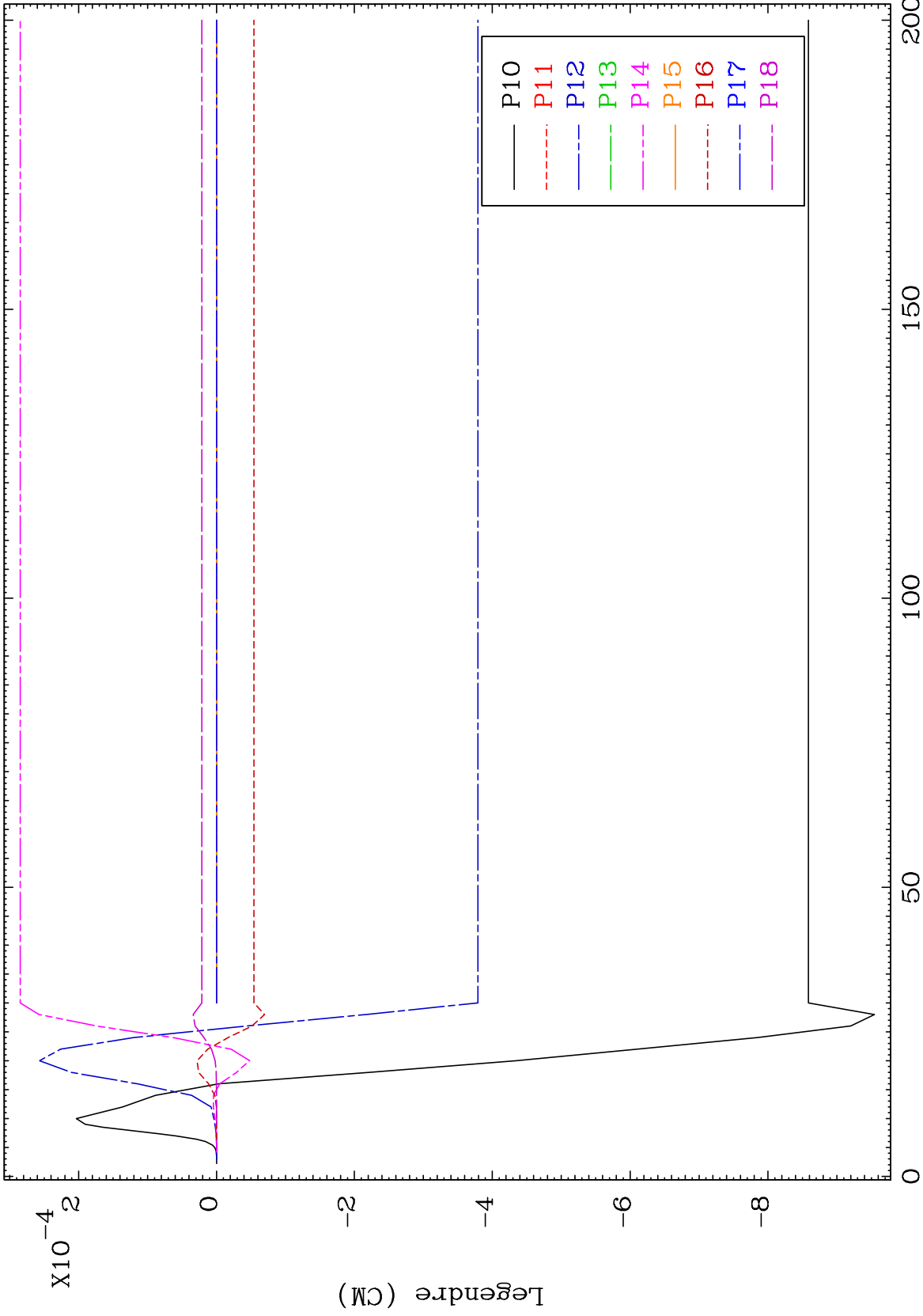
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



119

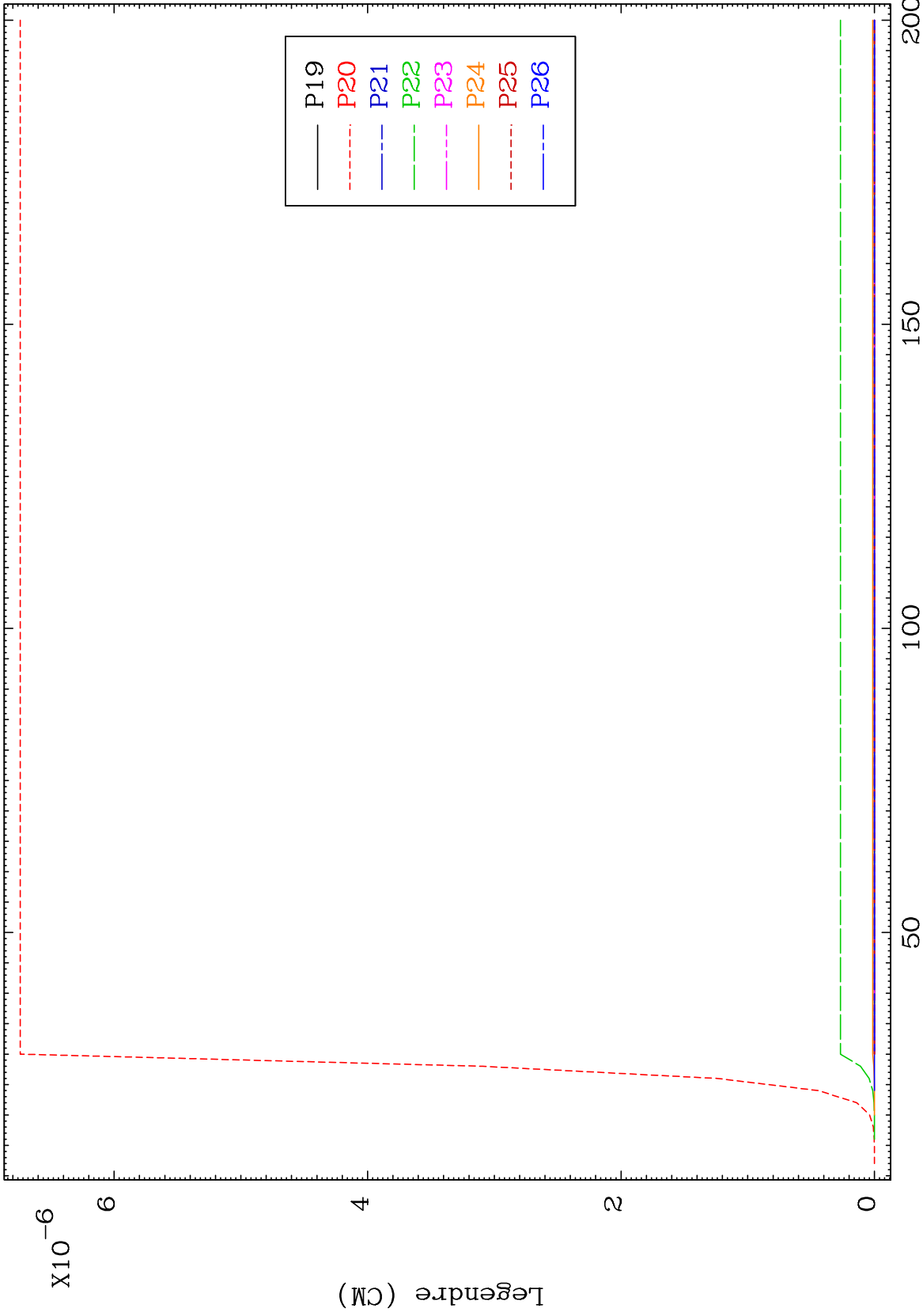
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



58-Ce-148

Incident Energy (MeV)

120

50

100

150

200

10^{-6}

6

Legendre (CM)

4

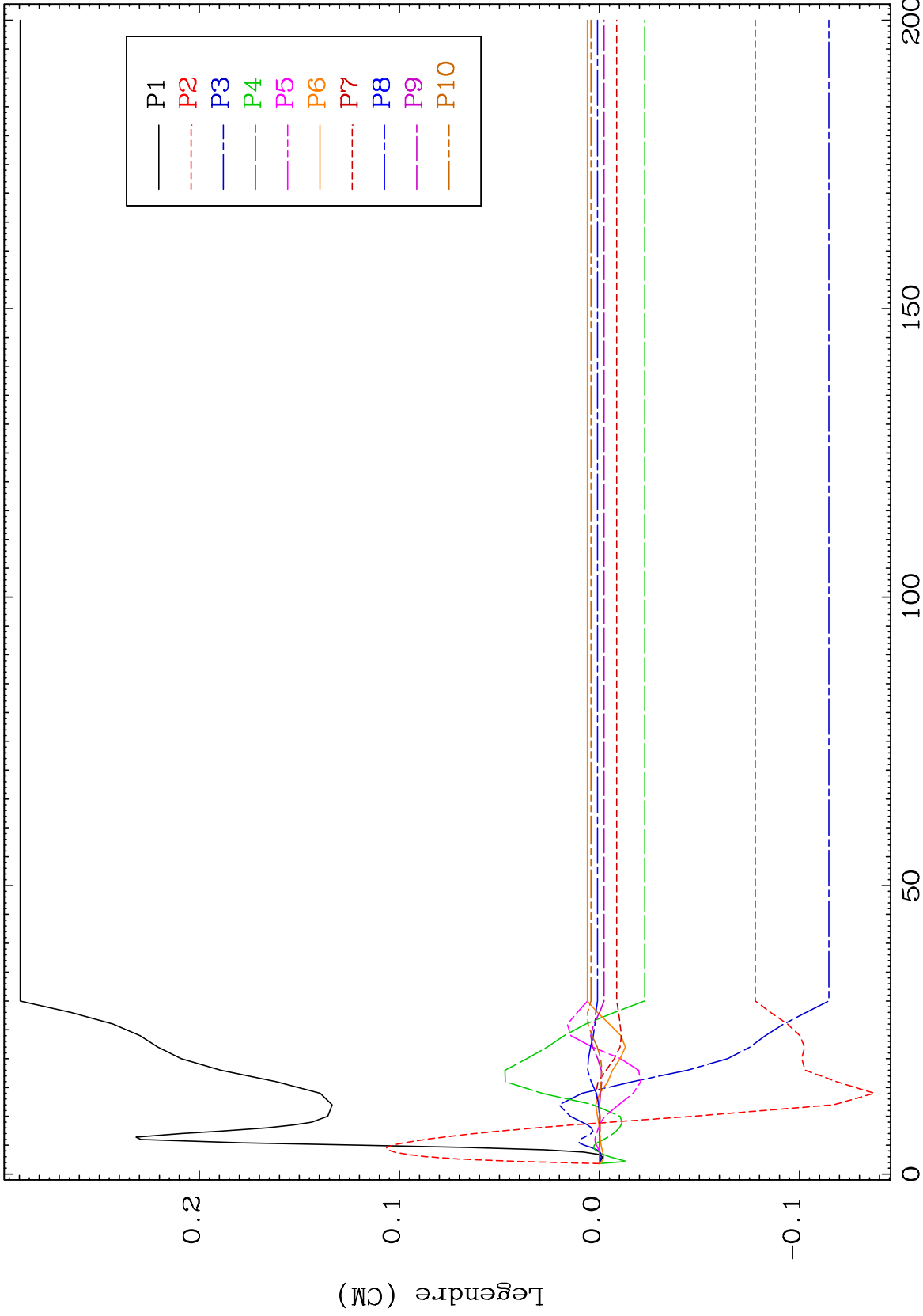
2

0

MAT 5861

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

58-Ce-148



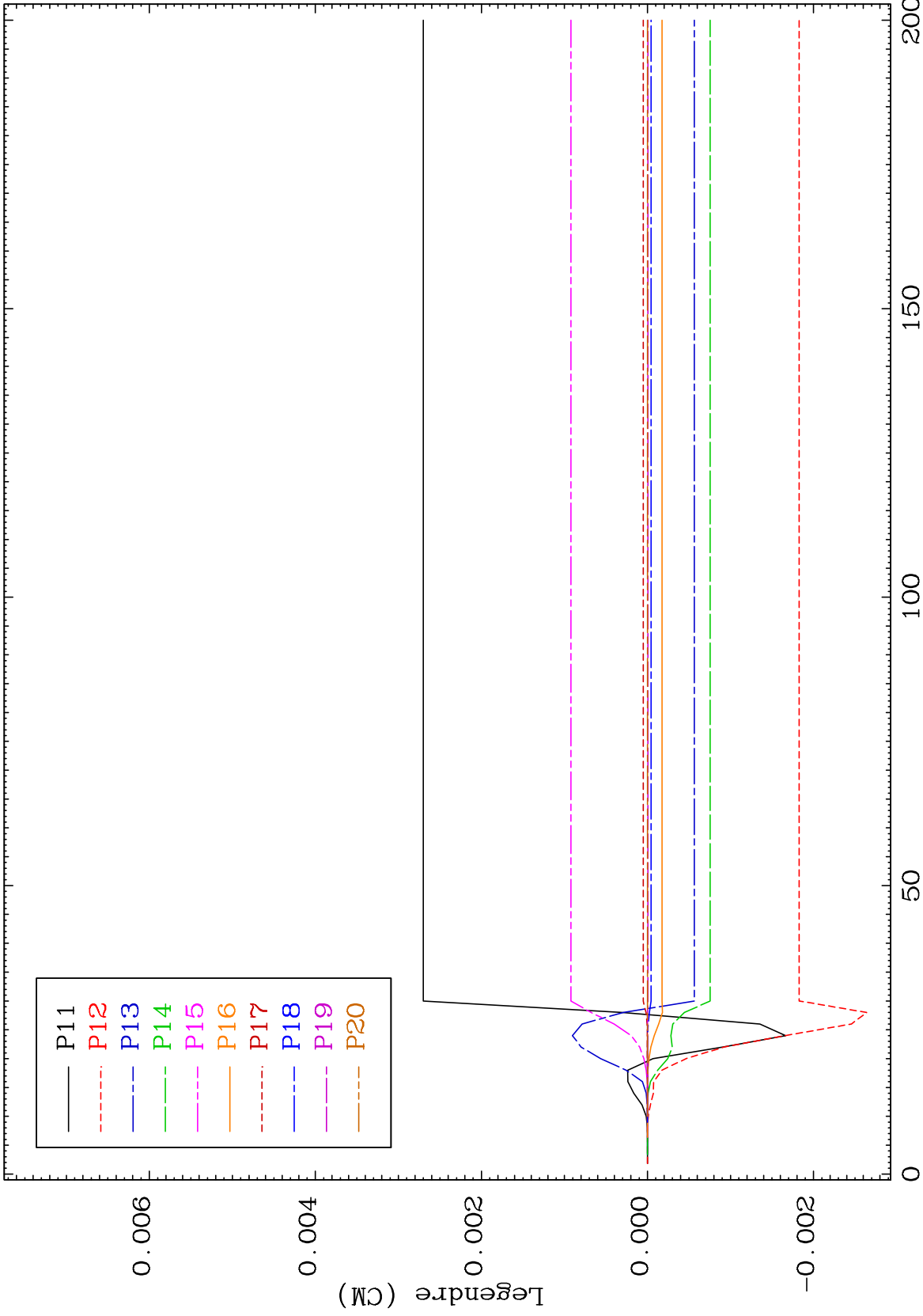
121

58-Ce-148

MAT 5861

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

58-Ce-148



122

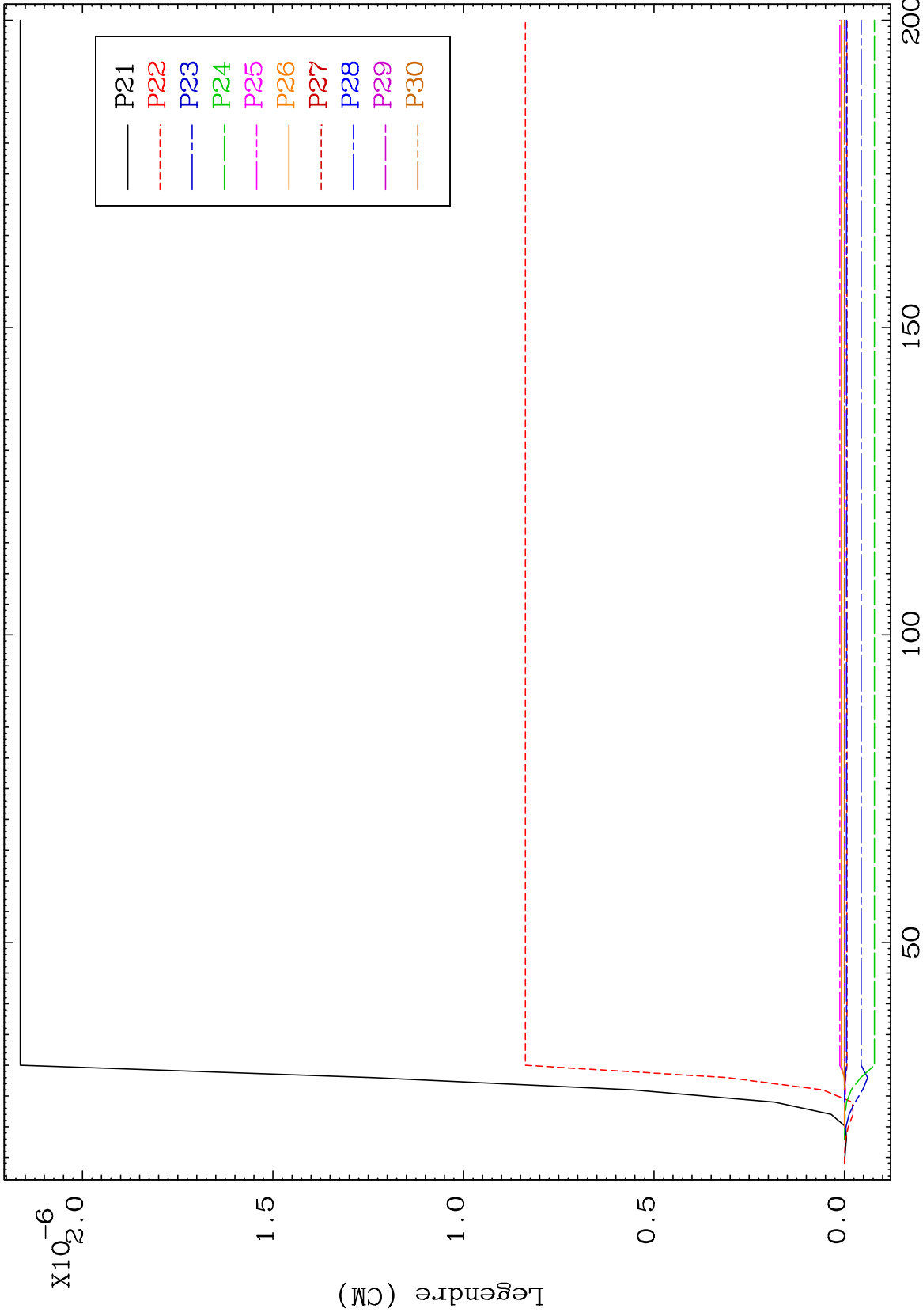
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



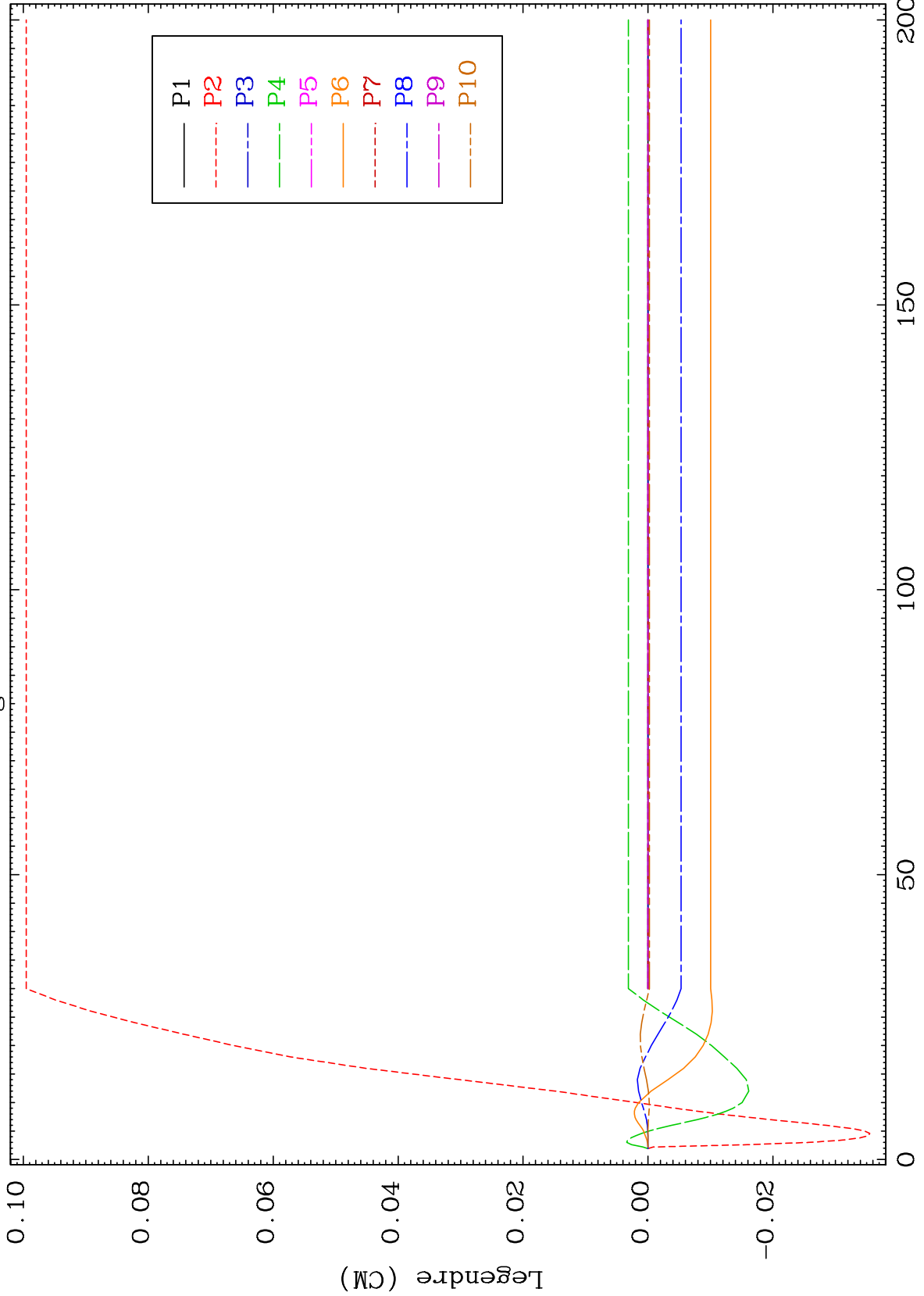
123

Incident Energy (MeV)

58-Ce-148

MAT 5861 MT= 80 (n,n') Level Legendre Coefficients

58-Ce-148

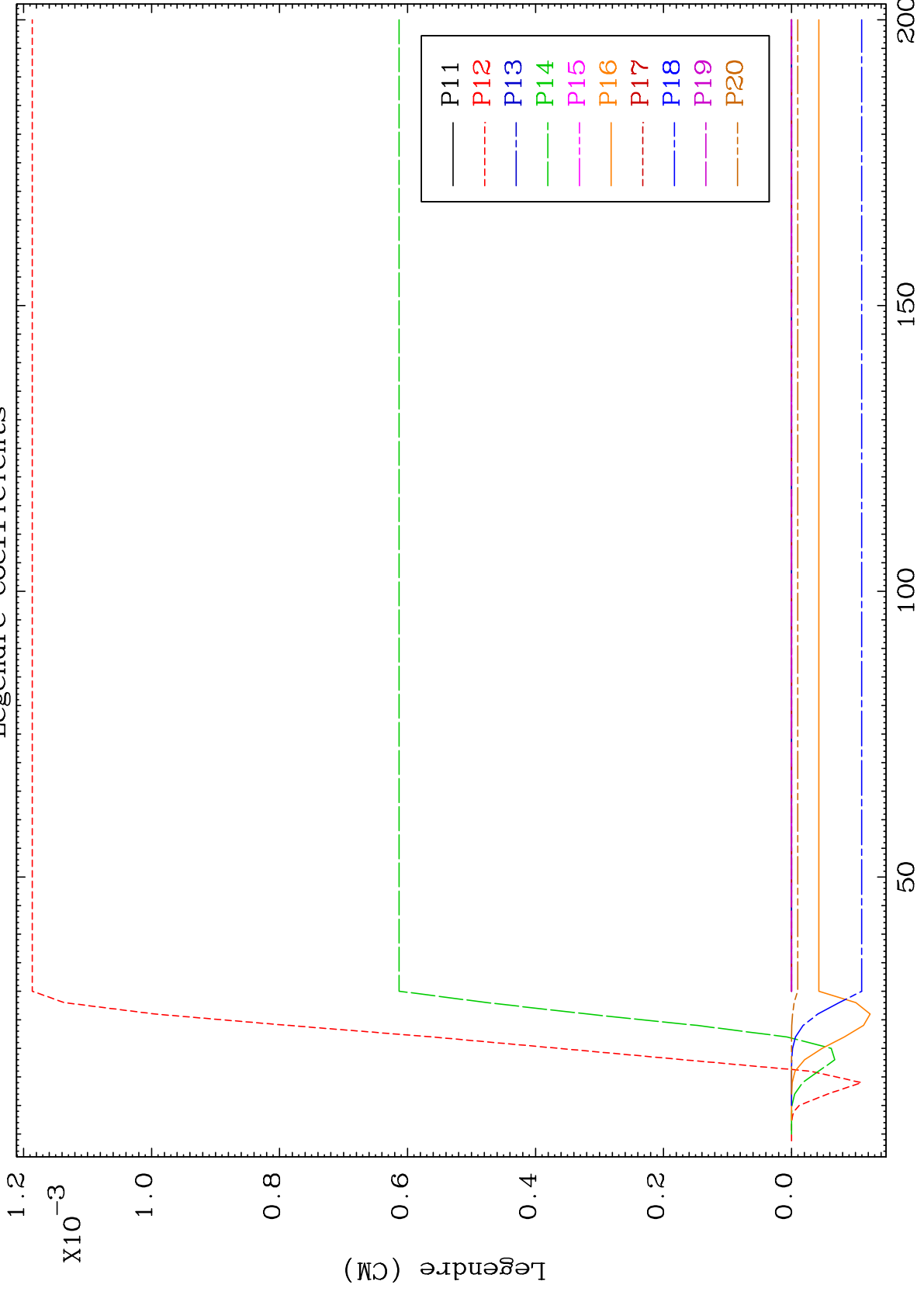


58-Ce-148

Incident Energy (MeV)

124

MAT 5861 MT= 80 (n,n') Level Legendre Coefficients 58-Ce-148

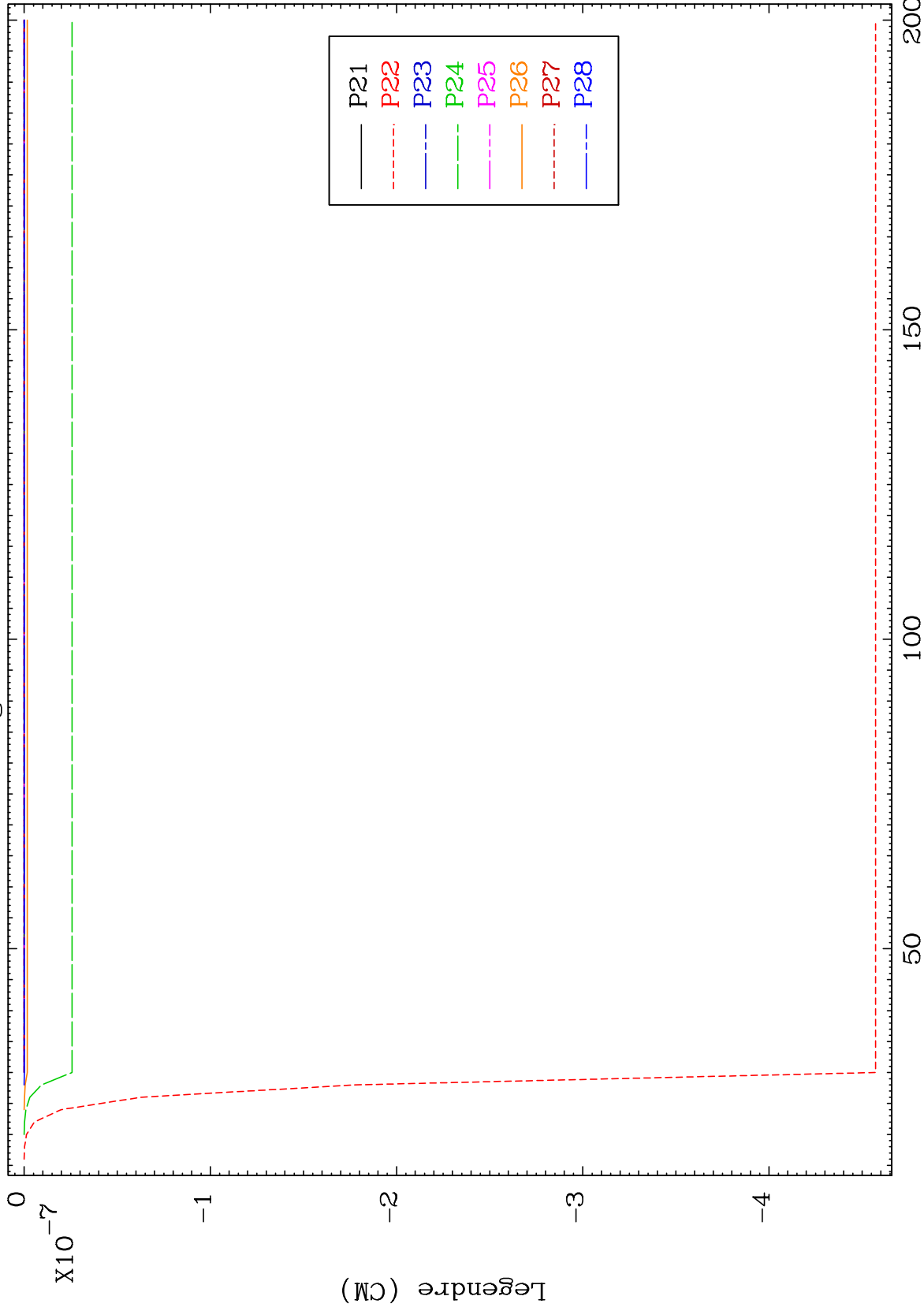


125 Incident Energy (MeV) 58-Ce-148

MAT 5861

MT= 80 (n,n') Level
Legendre Coefficients

58-Ce-148



58-Ce-148

Incident Energy (MeV)

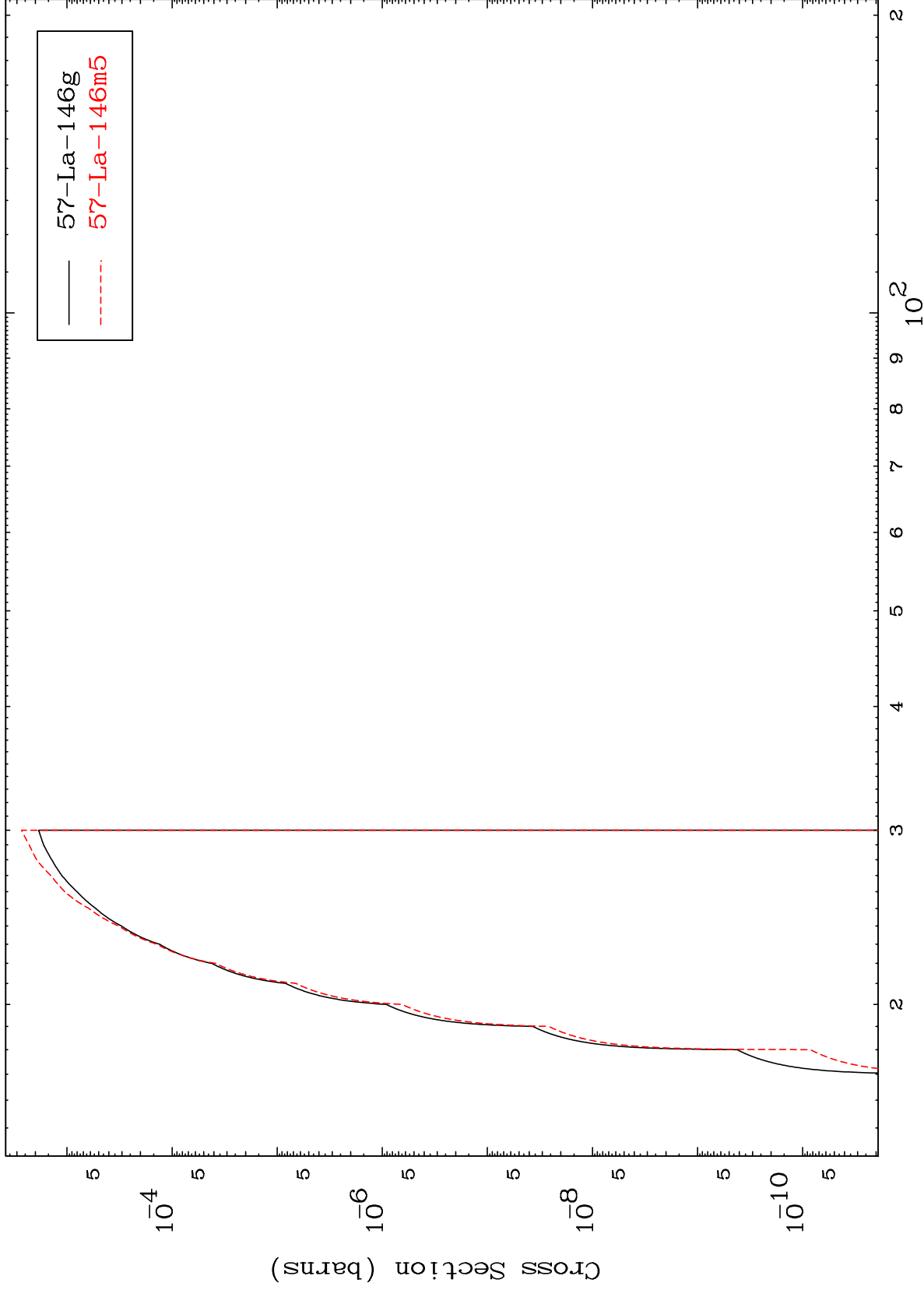
126

MAT 5861

(n,n') d

58-Ce-148

Radionuclide Production Cross Section



127

Incident Energy (MeV)

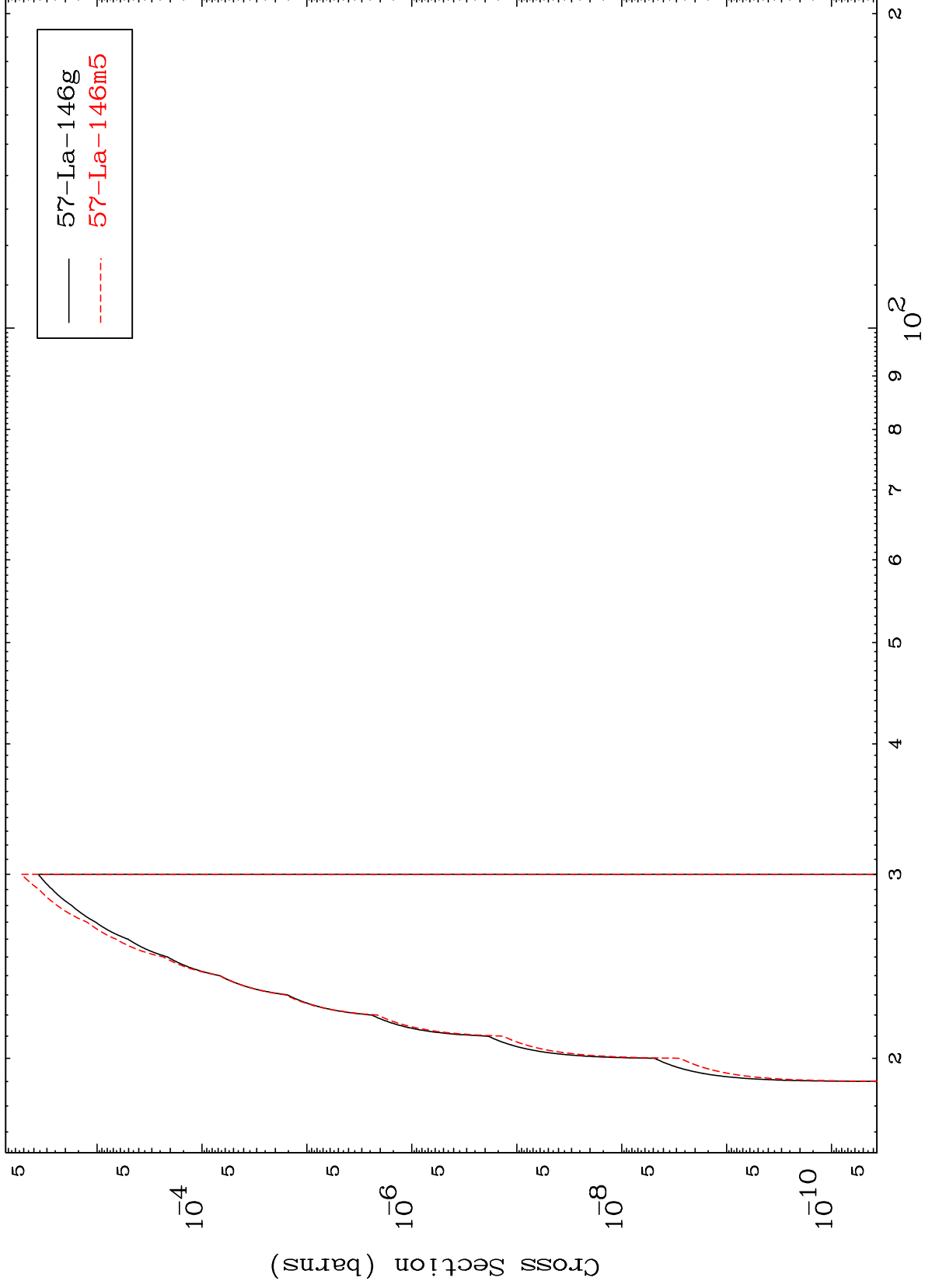
58-Ce-148

MAT 5861

(n,2n) p

58-Ce-148

Radionuclide Production Cross Section



128

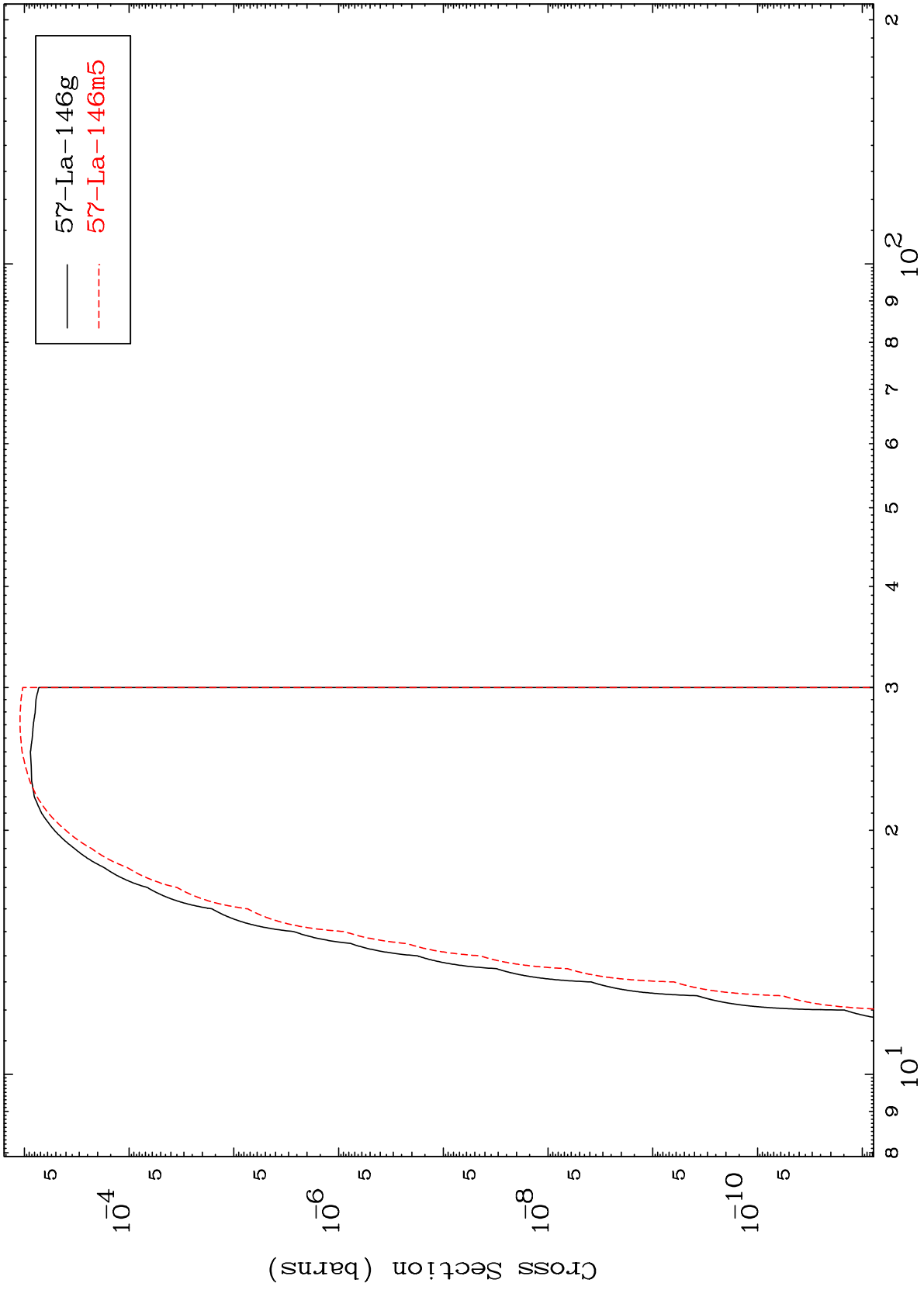
Incident Energy (MeV)

58-Ce-148

MAT 5861

58-Ce-148

(n, t)
Radionuclide Production Cross Section



129

Incident Energy (MeV)

58-Ce-148