

Program EVALPLOT
(Version 2018-1)

by

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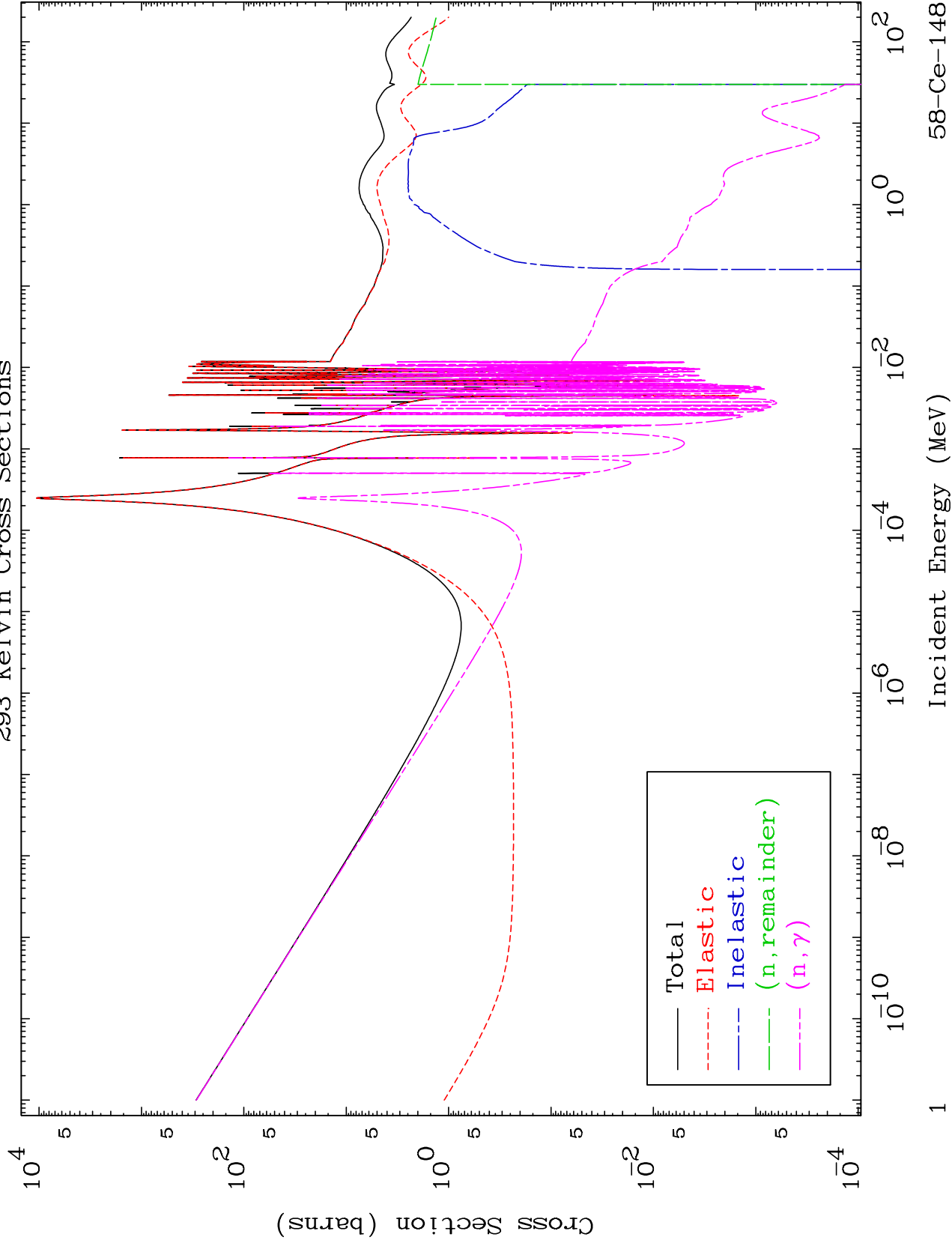
Press Mouse Button to Start

MAT 5861

Major

293 Kelvin Cross Sections

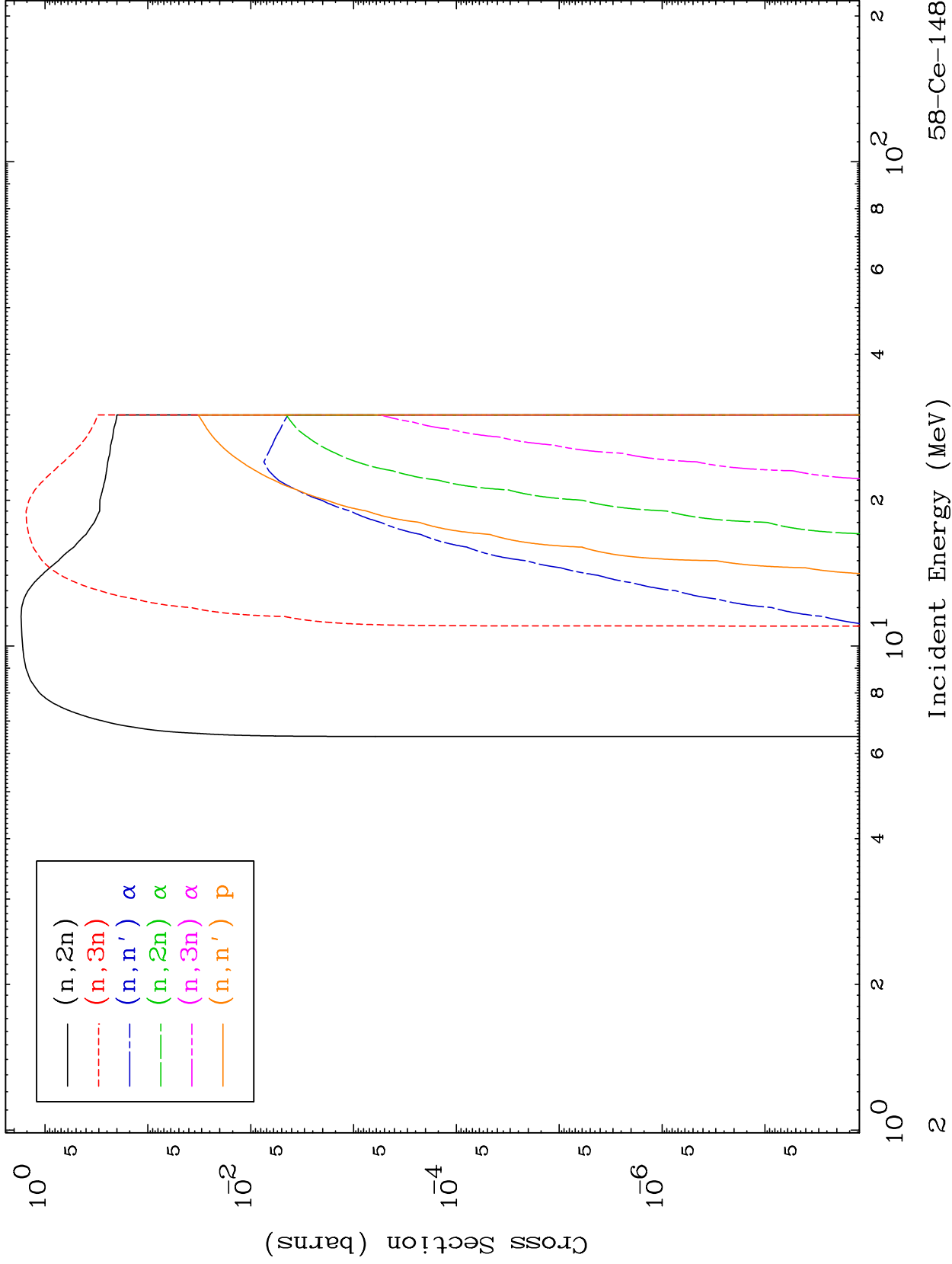
58-Ce-148



MAT 5861

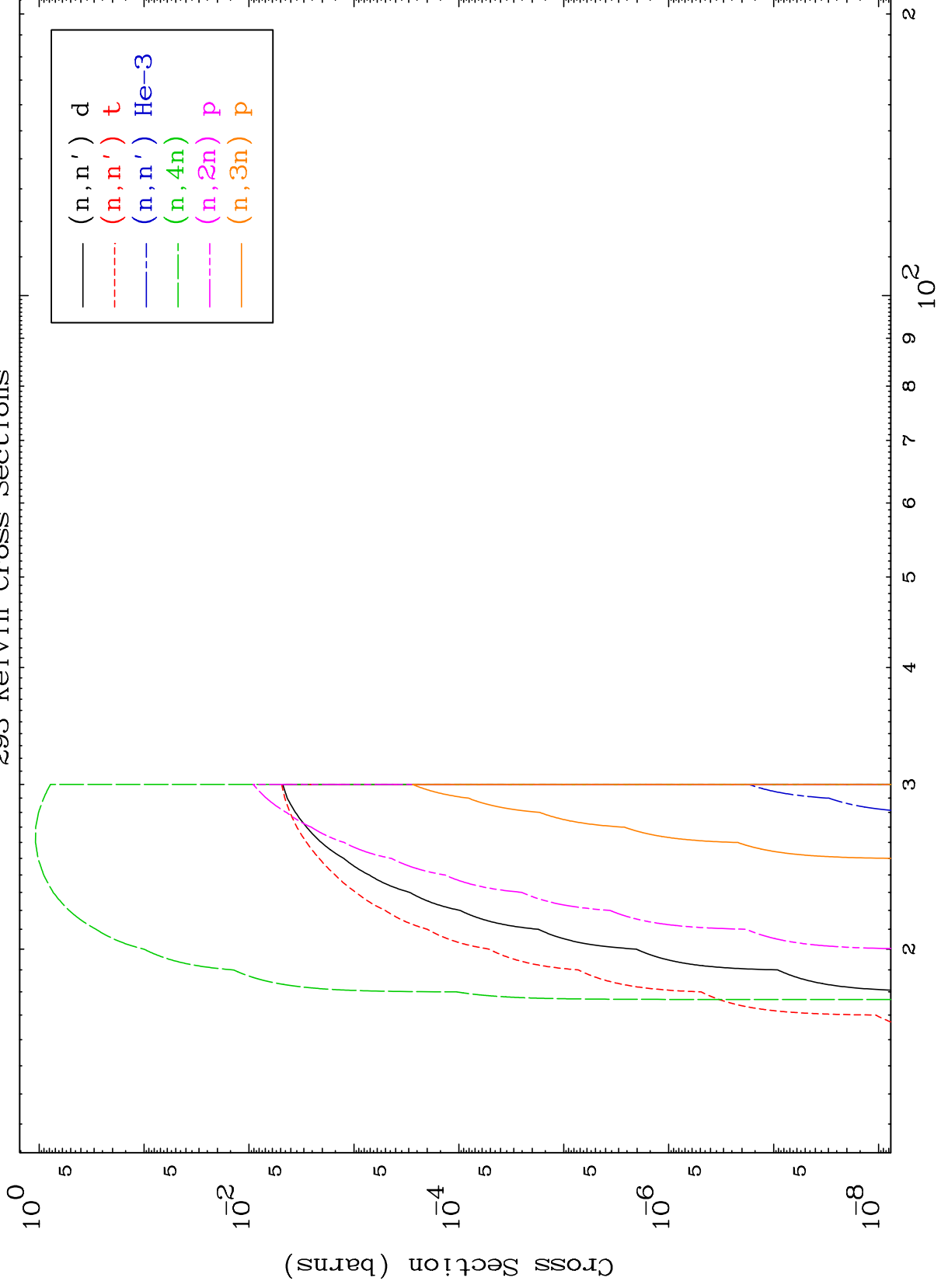
Neutron Production
293 Kelvin Cross Sections

58-Ce-148



58-Ce-148

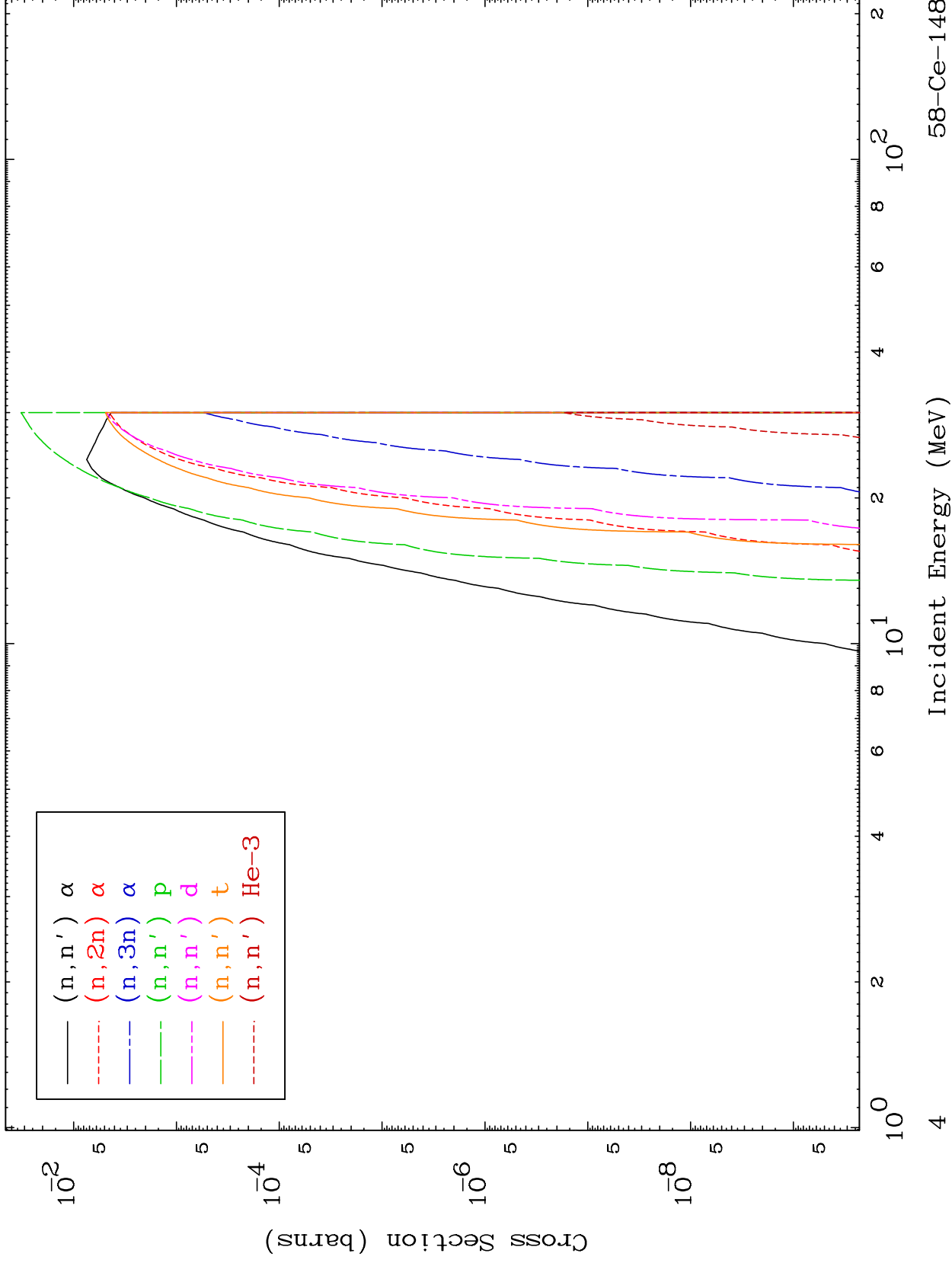
Incident Energy (MeV)



MAT 5861

Charged Particle
293 Kelvin Cross Sections

58-Ce-148



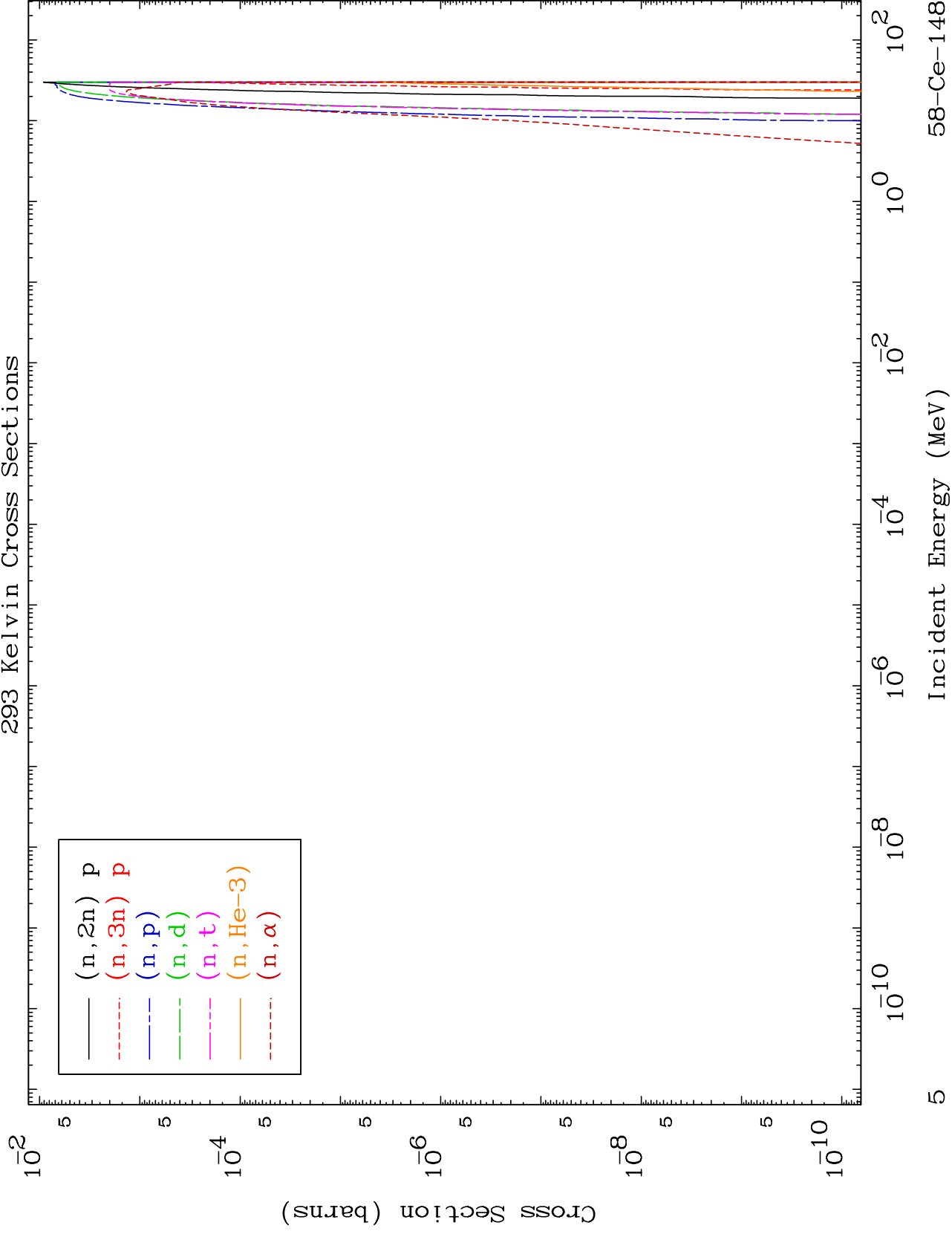
58-Ce-148

Incident Energy (MeV)

MAT 5861

Charged Particle
293 Kelvin Cross Sections

58-Ce-148

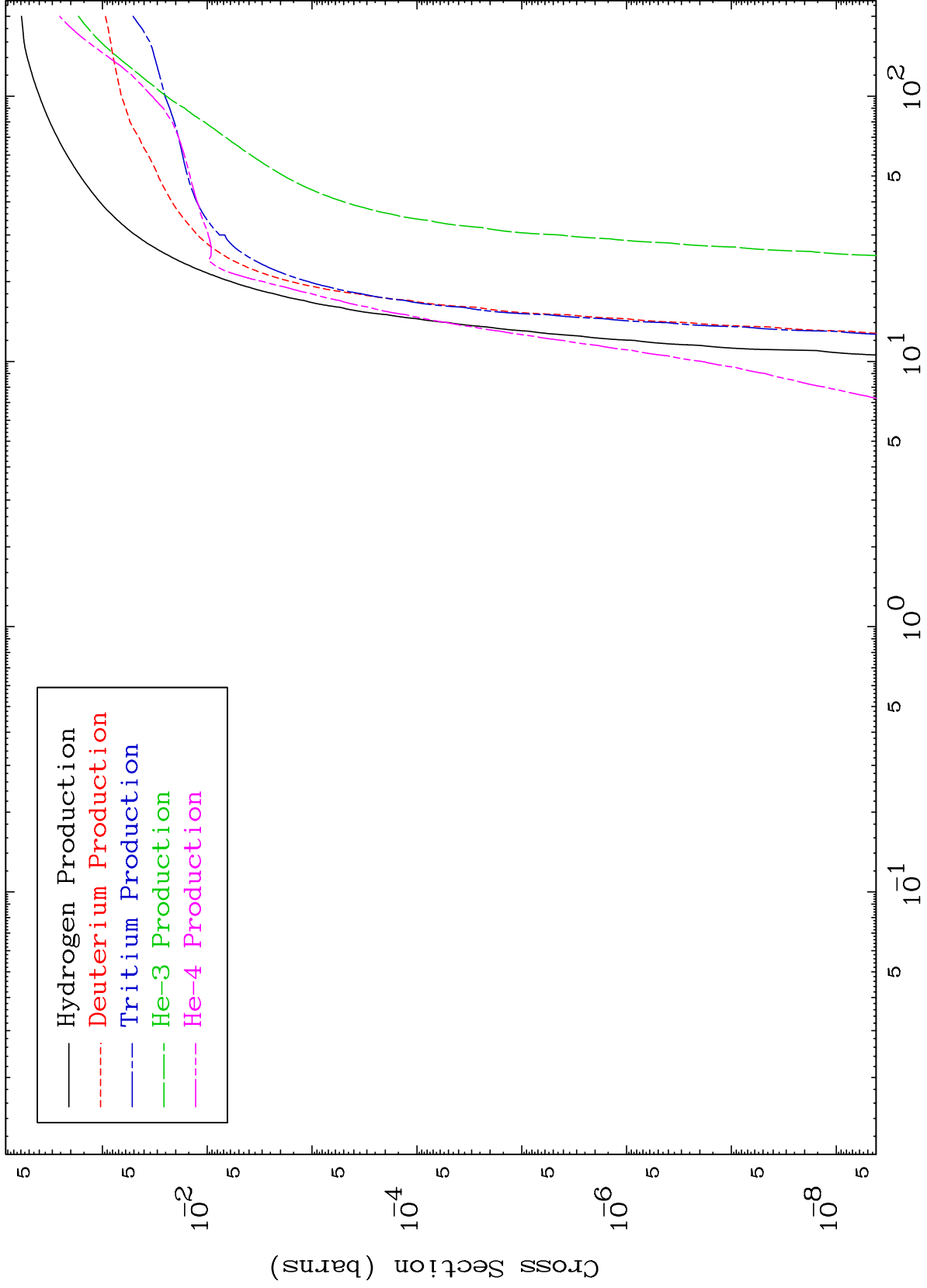


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MAT 5861

Particle Production
293 Kelvin Cross Sections

58-Ce-148



6

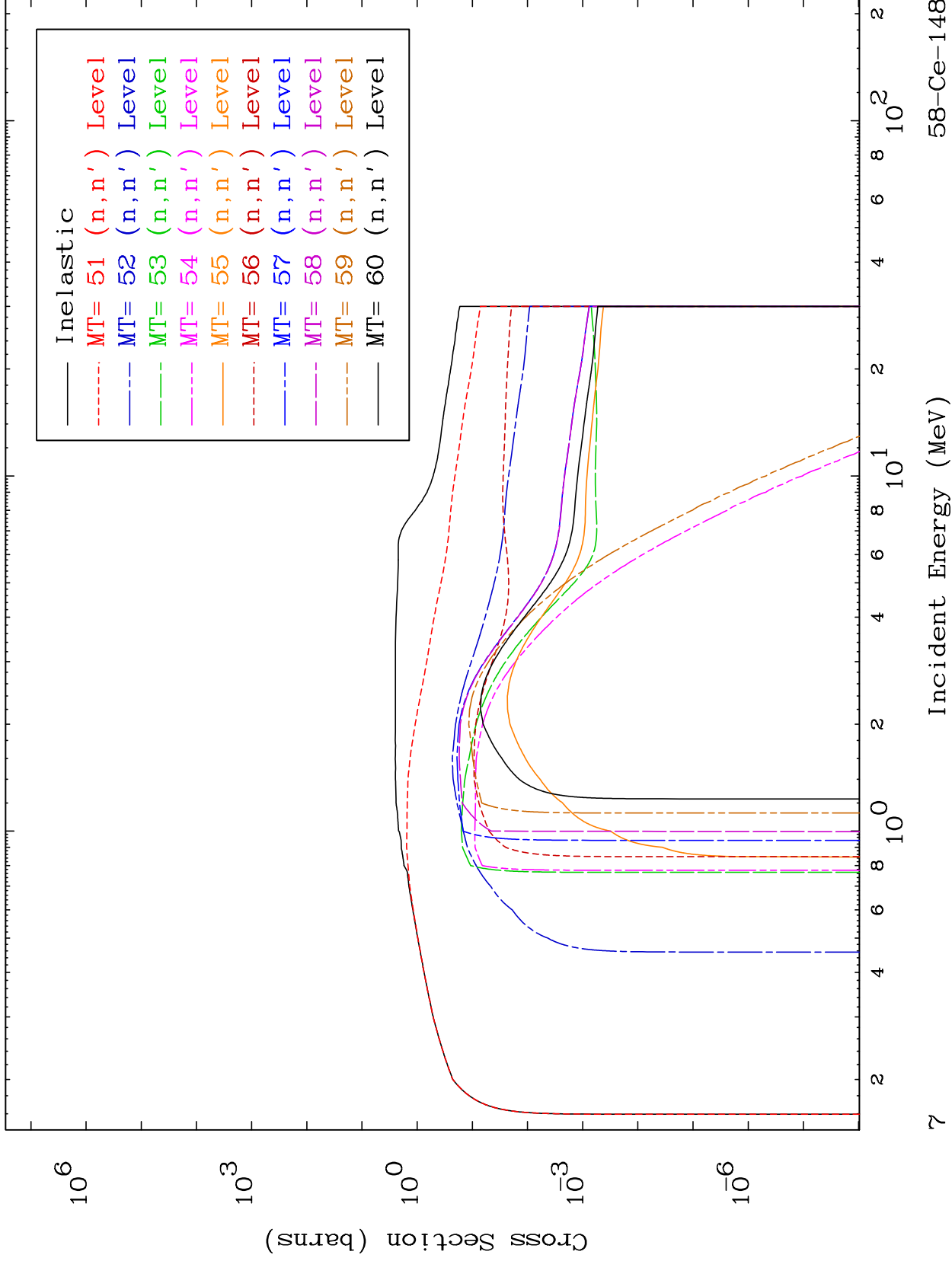
58-Ce-148

MAT 5861

(n,n') Level

58-Ce-148

293 Kelvin Cross Sections

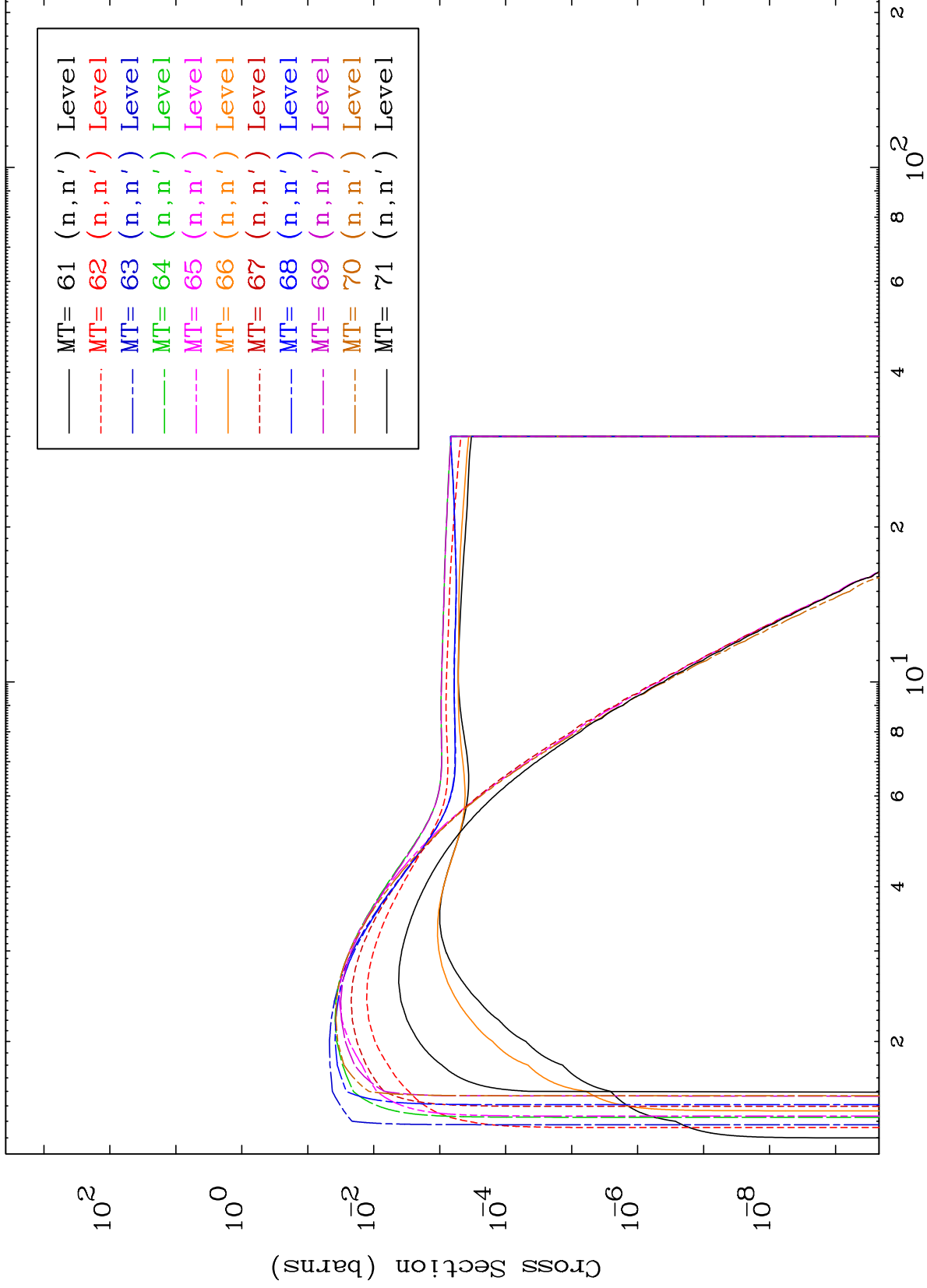


MAT 5861

(n,n') Level

58-Ce-148

293 Kelvin Cross Sections



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Incident Energy (MeV)

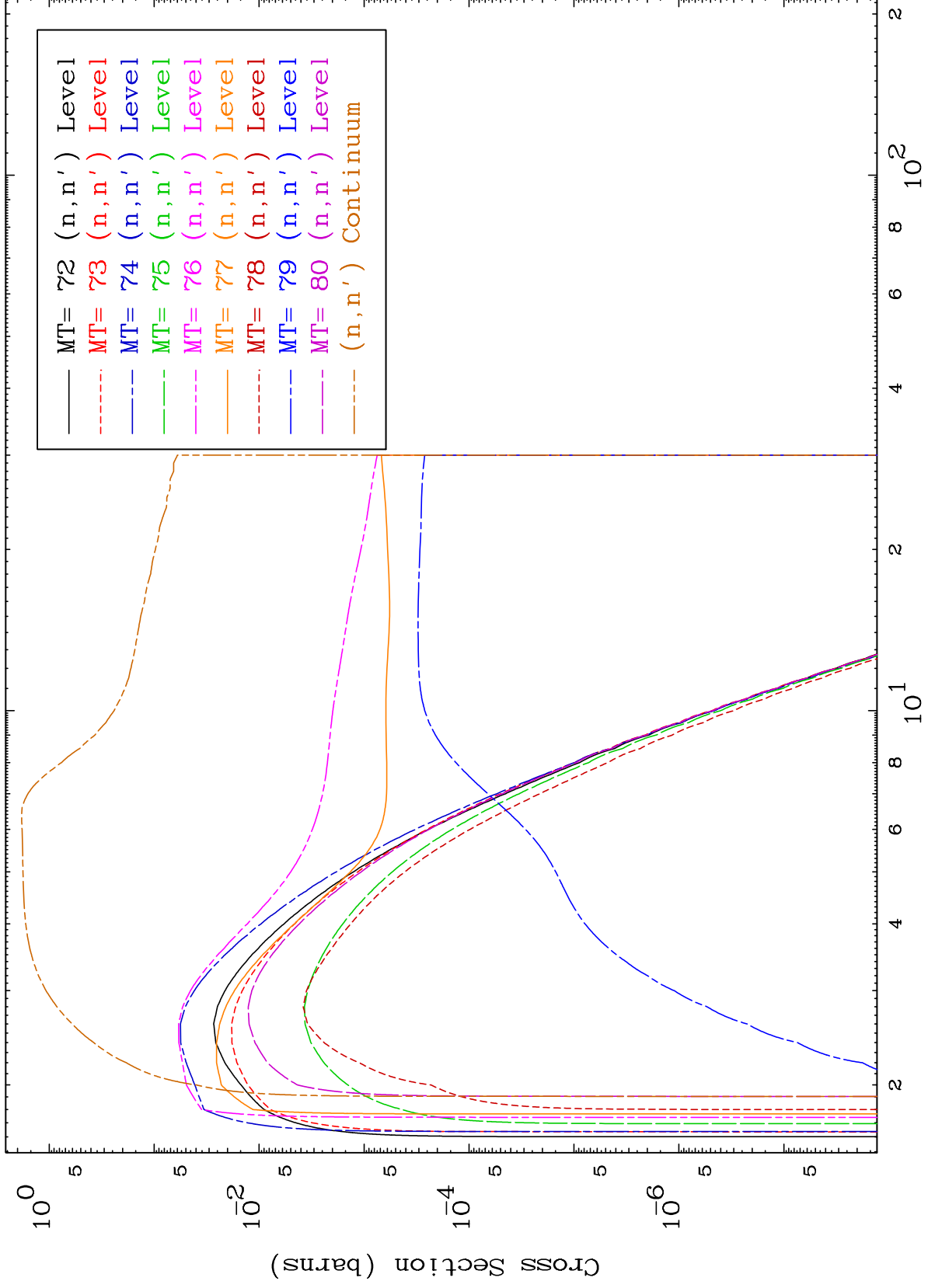
58-Ce-148

MAT 5861

(n,n') Level

58-Ce-148

293 Kelvin Cross Sections



9

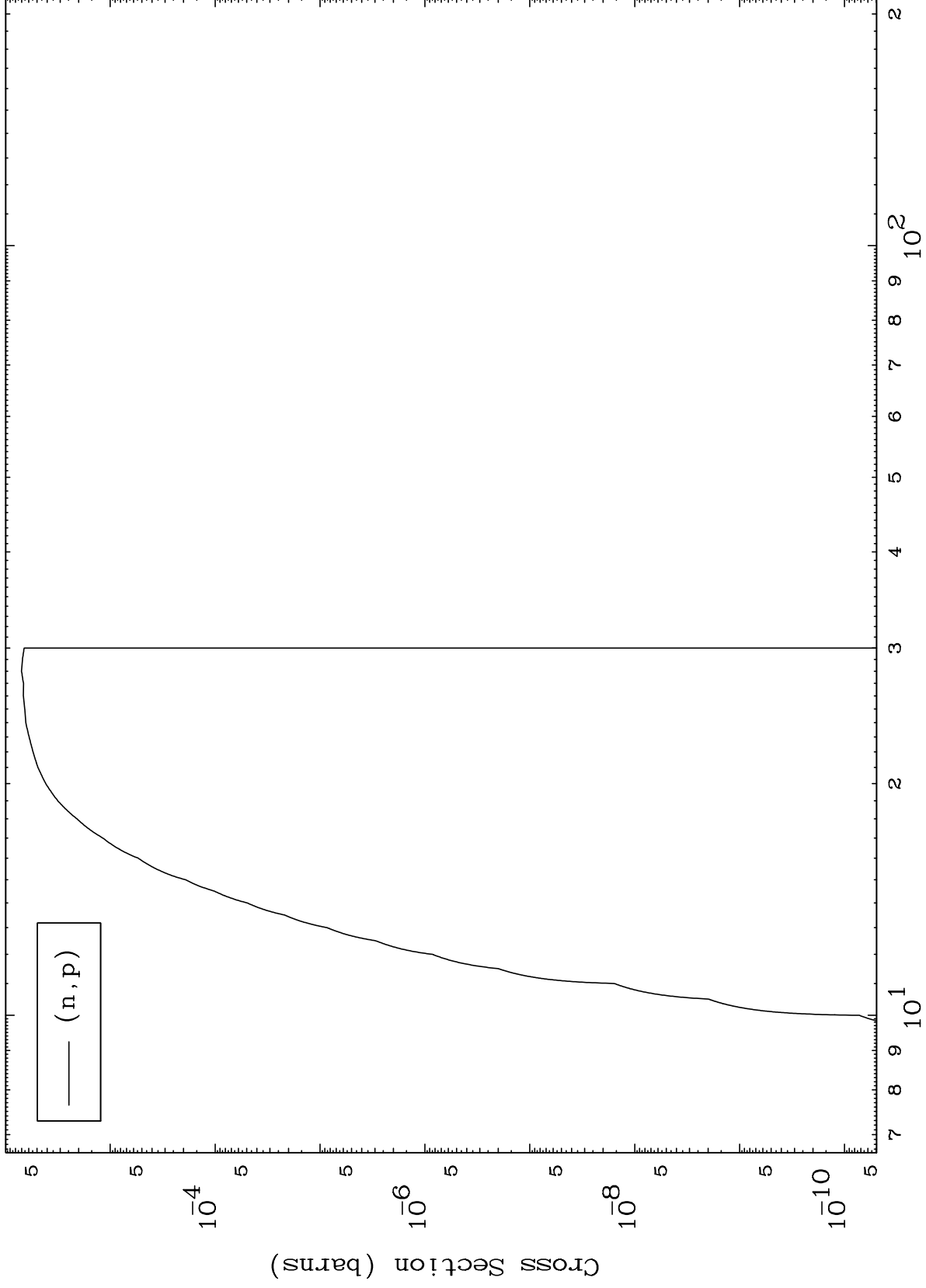
Incident Energy (MeV)

58-Ce-148

MAT 5861

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-148



10

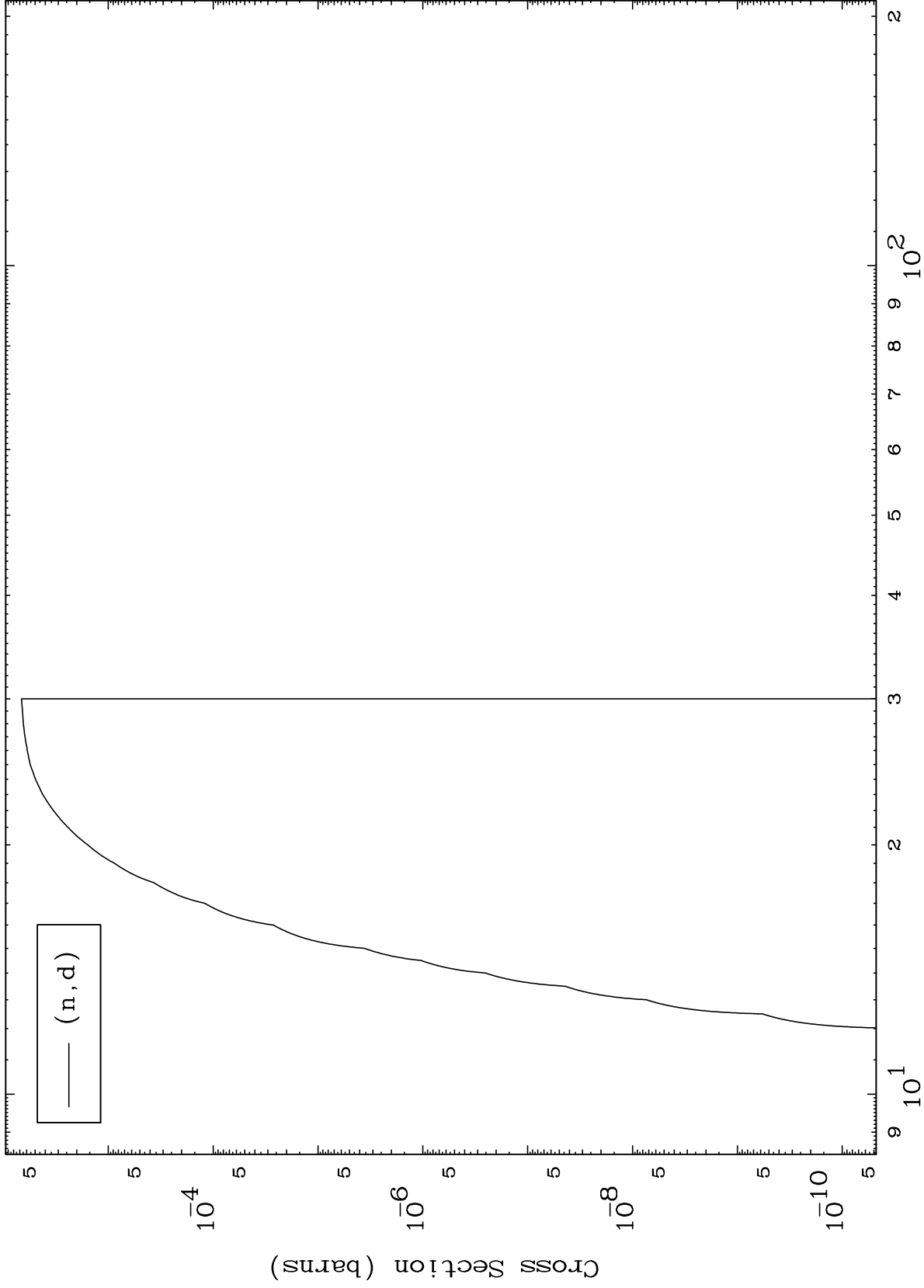
Incident Energy (MeV)

58-Ce-148

MAT 5861

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-148



11

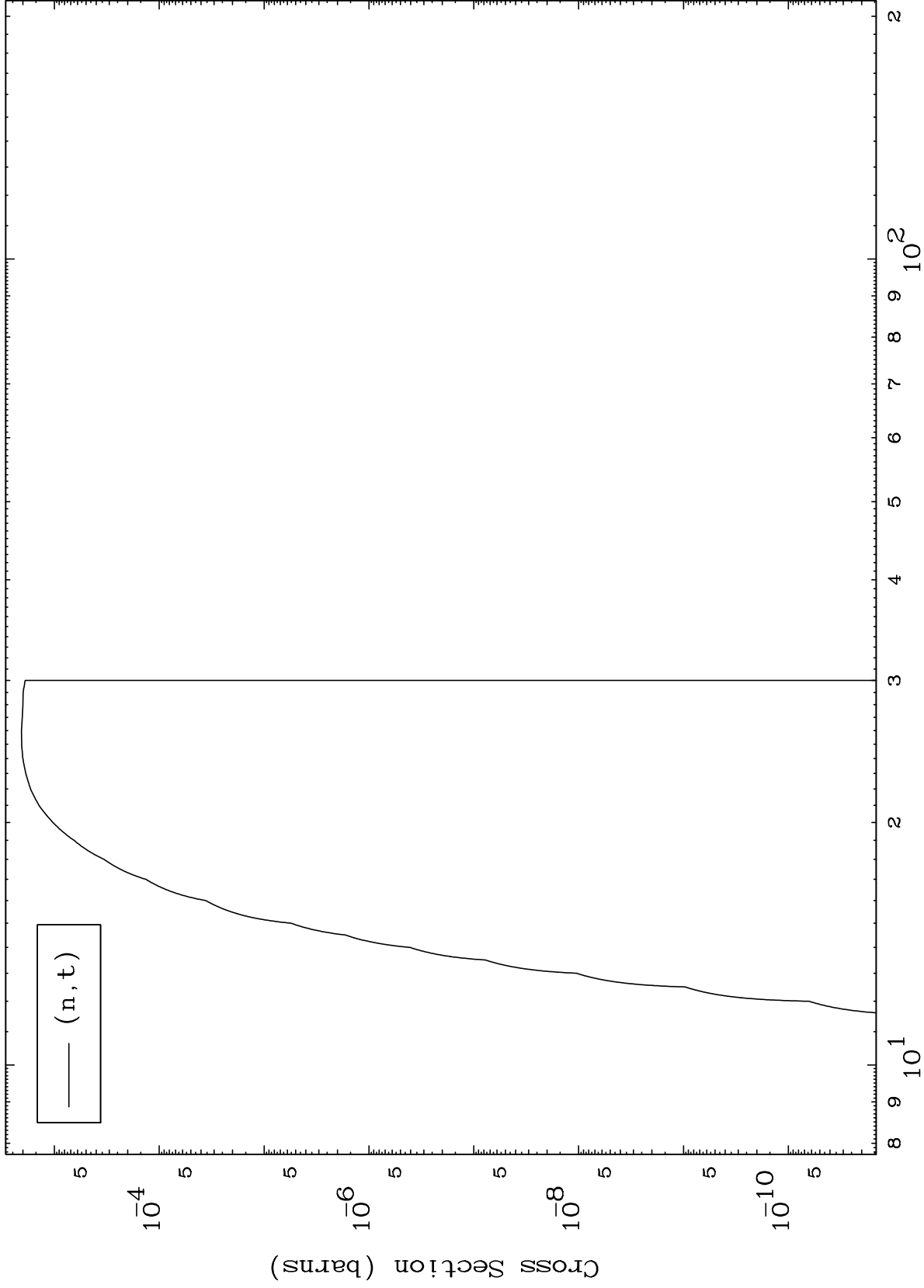
Incident Energy (MeV)

58-Ce-148

MAT 5861

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-148



12

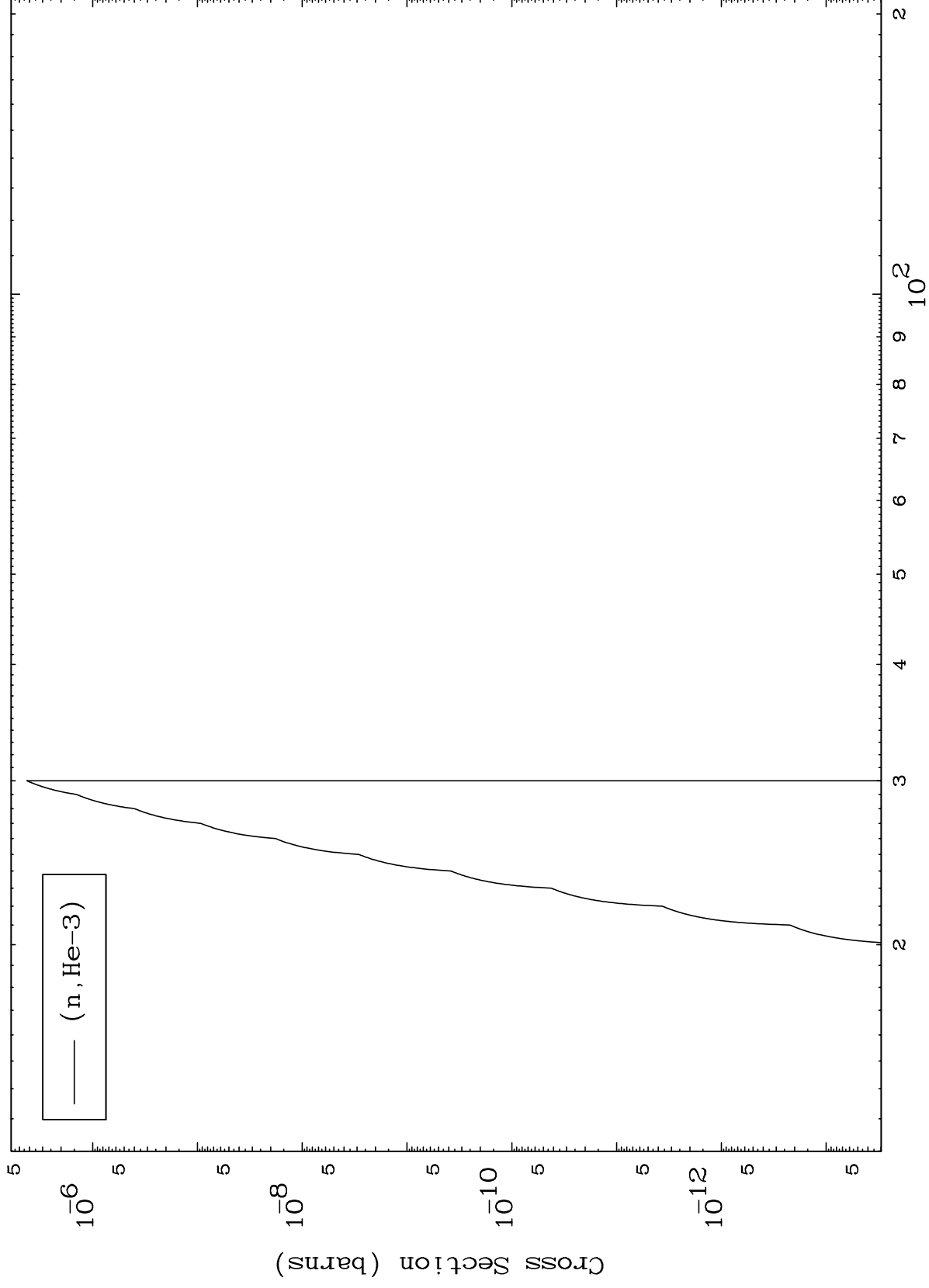
Incident Energy (MeV)

58-Ce-148

MAT 5861

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-148



13

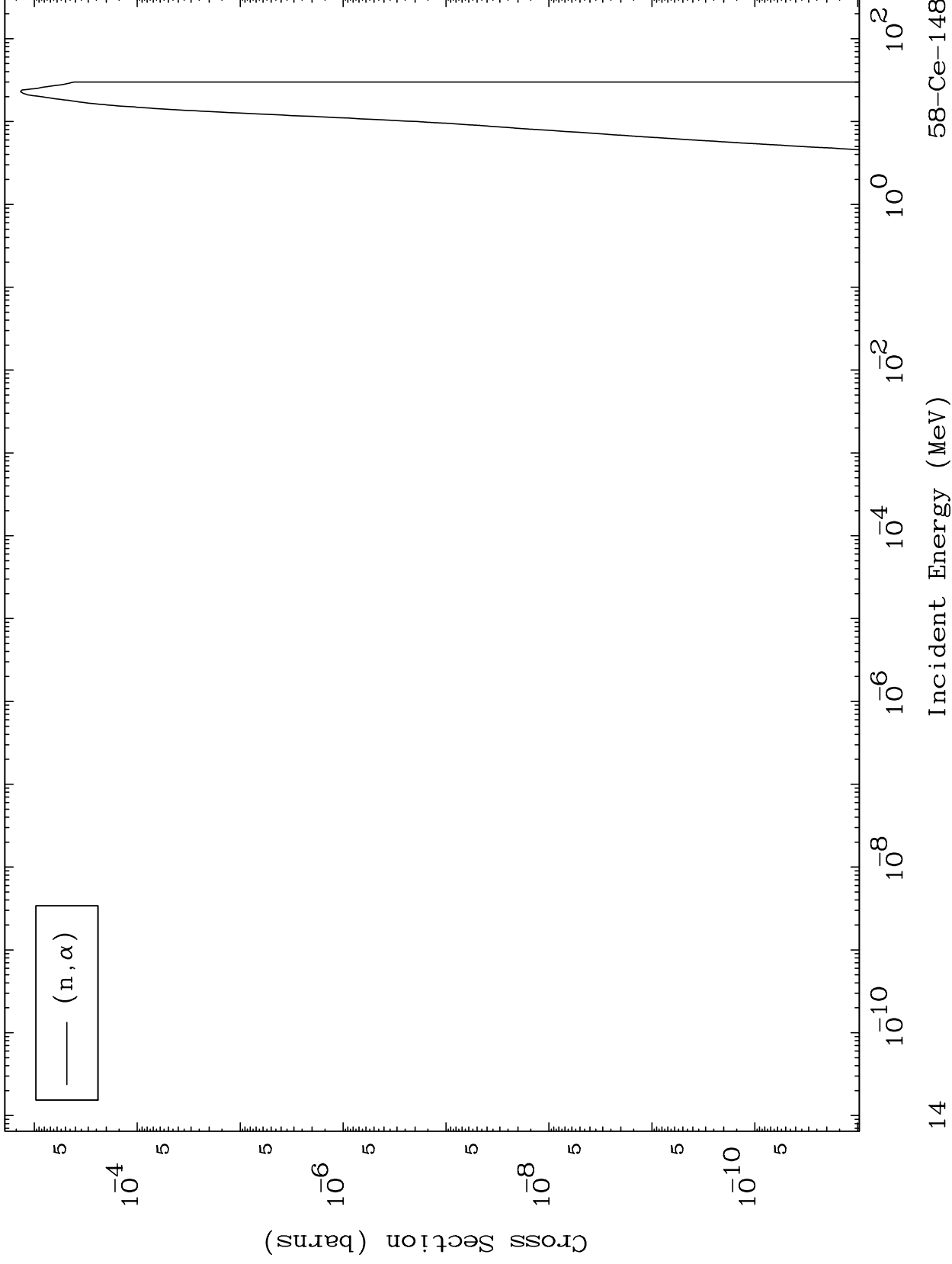
Incident Energy (MeV)

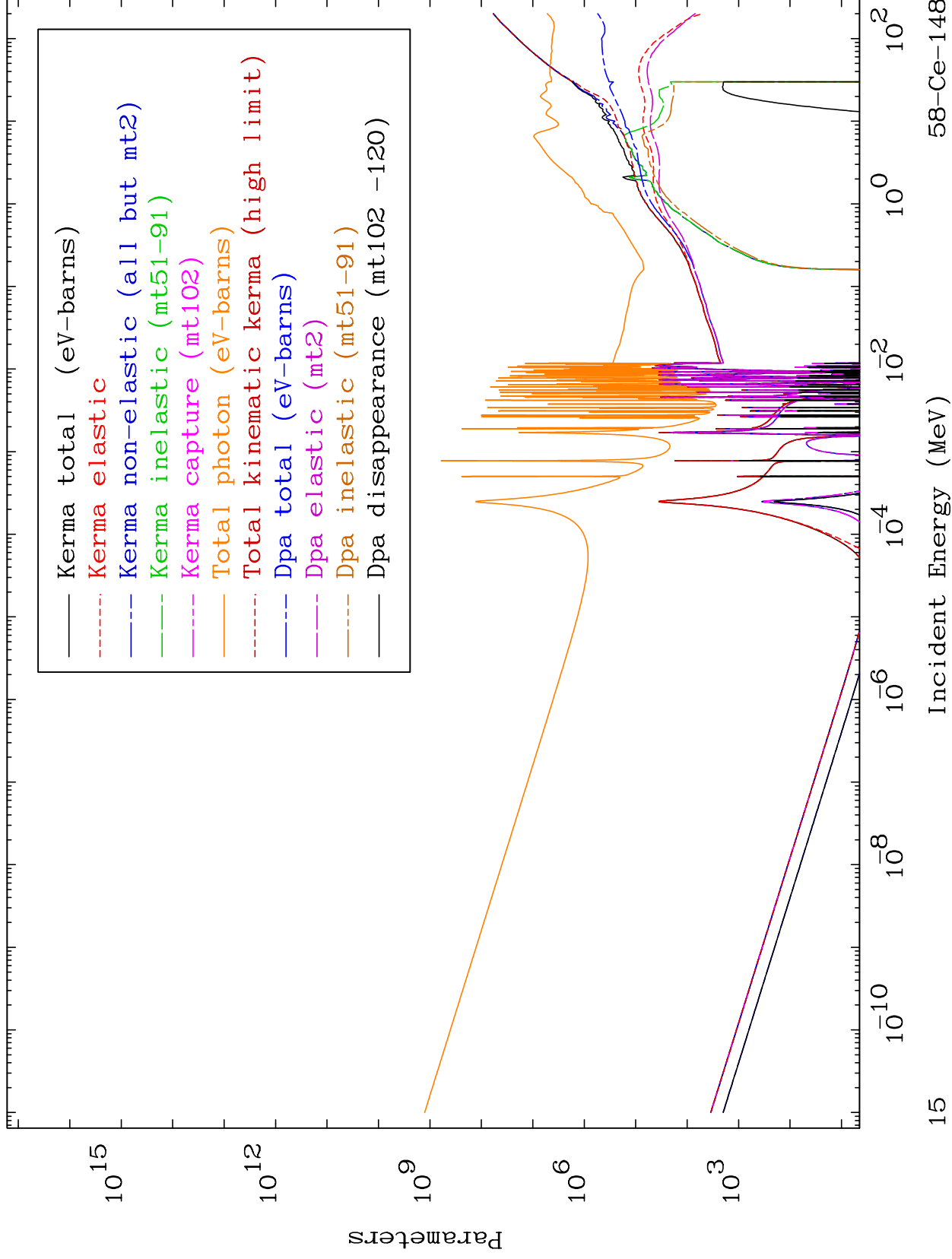
58-Ce-148

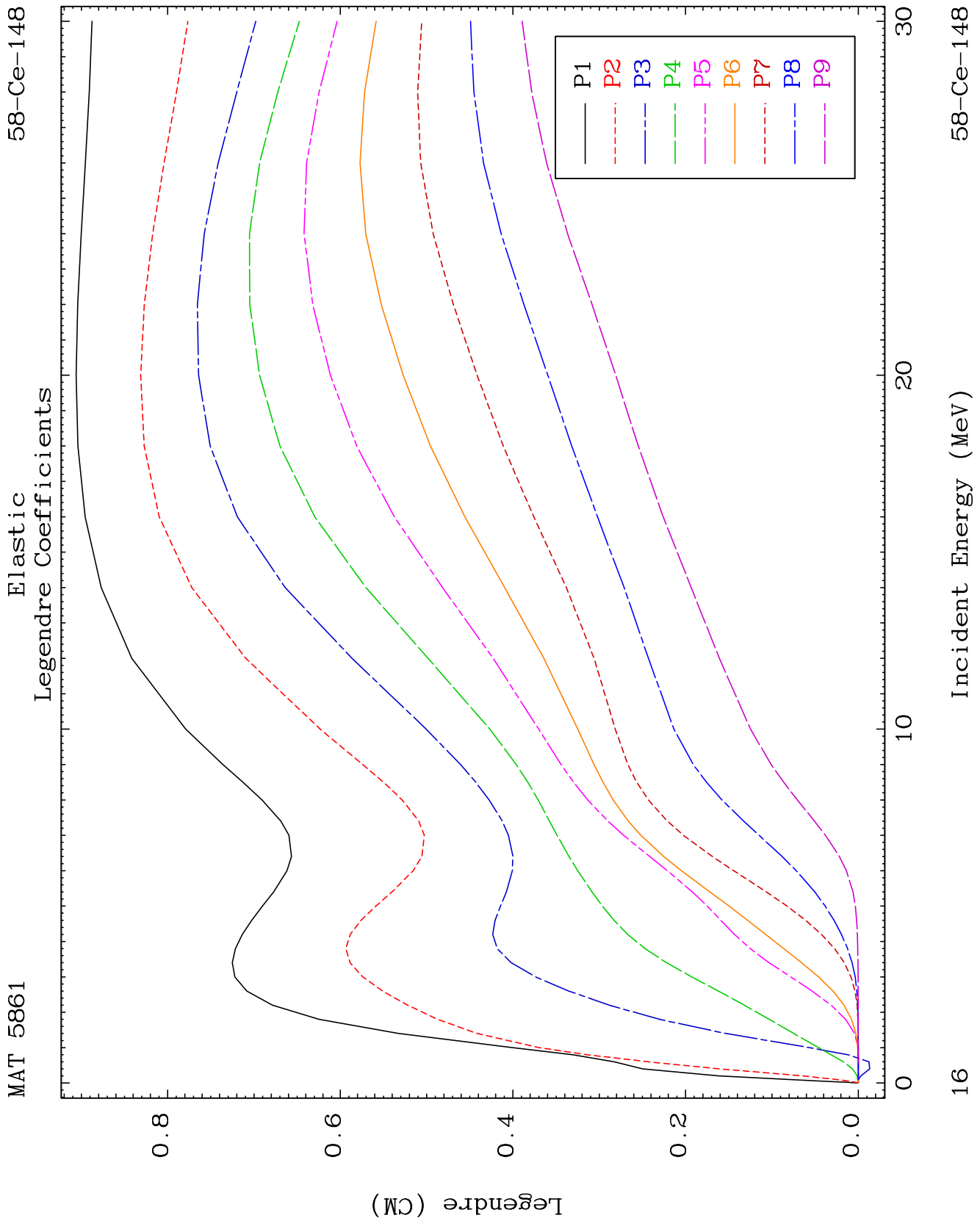
MAT 5861

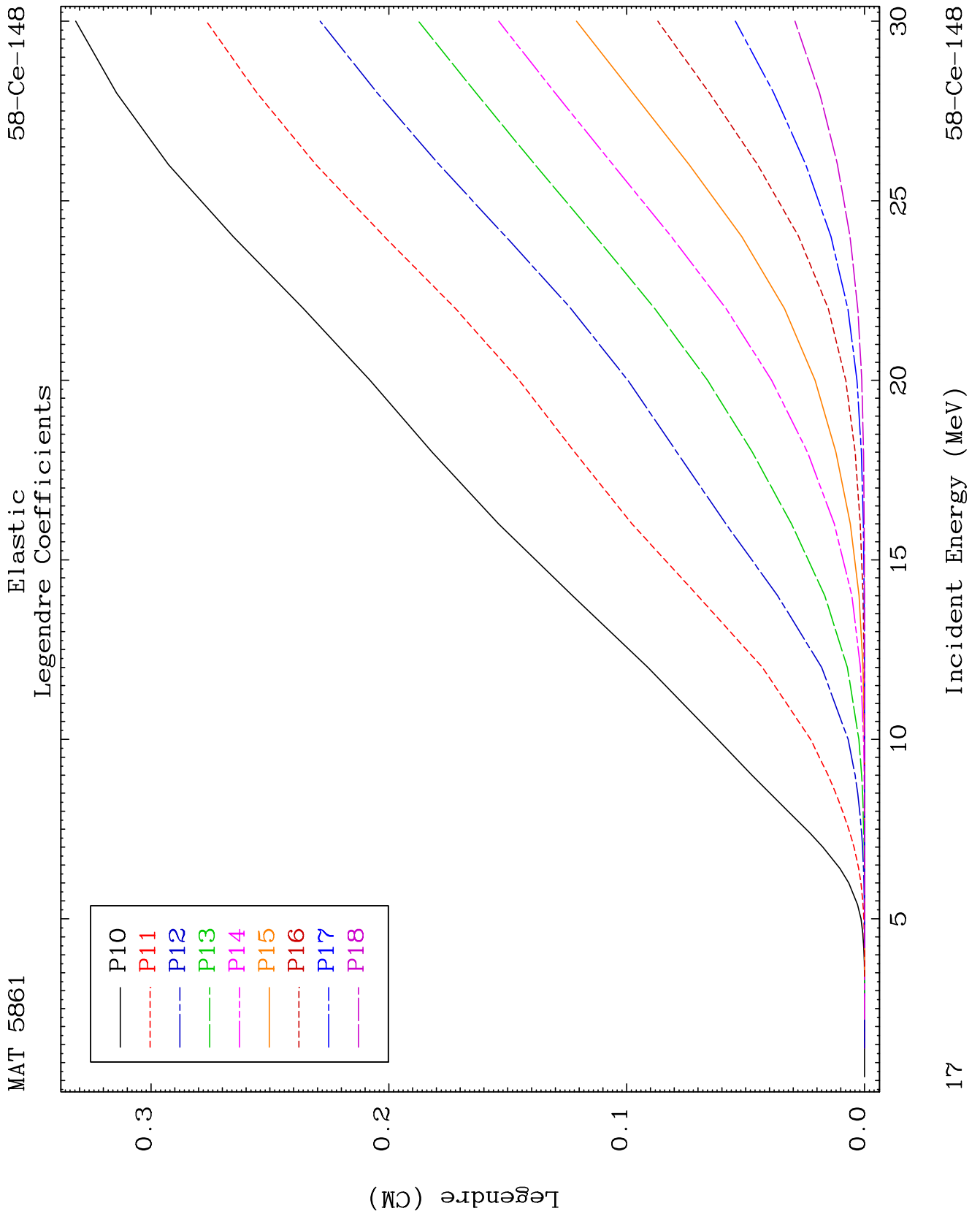
(n, α) Levels
293 Kelvin Cross Sections

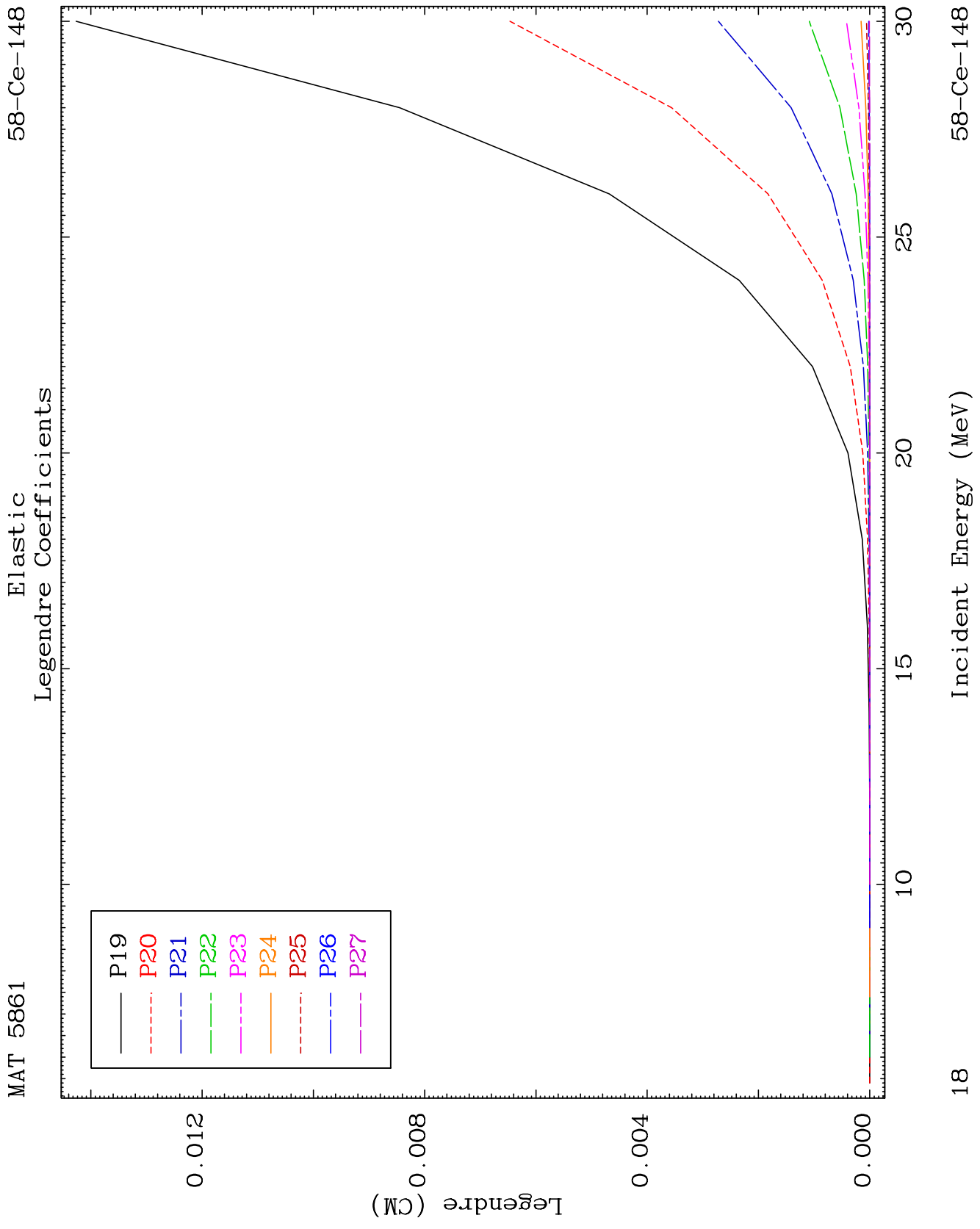
58-Ce-148







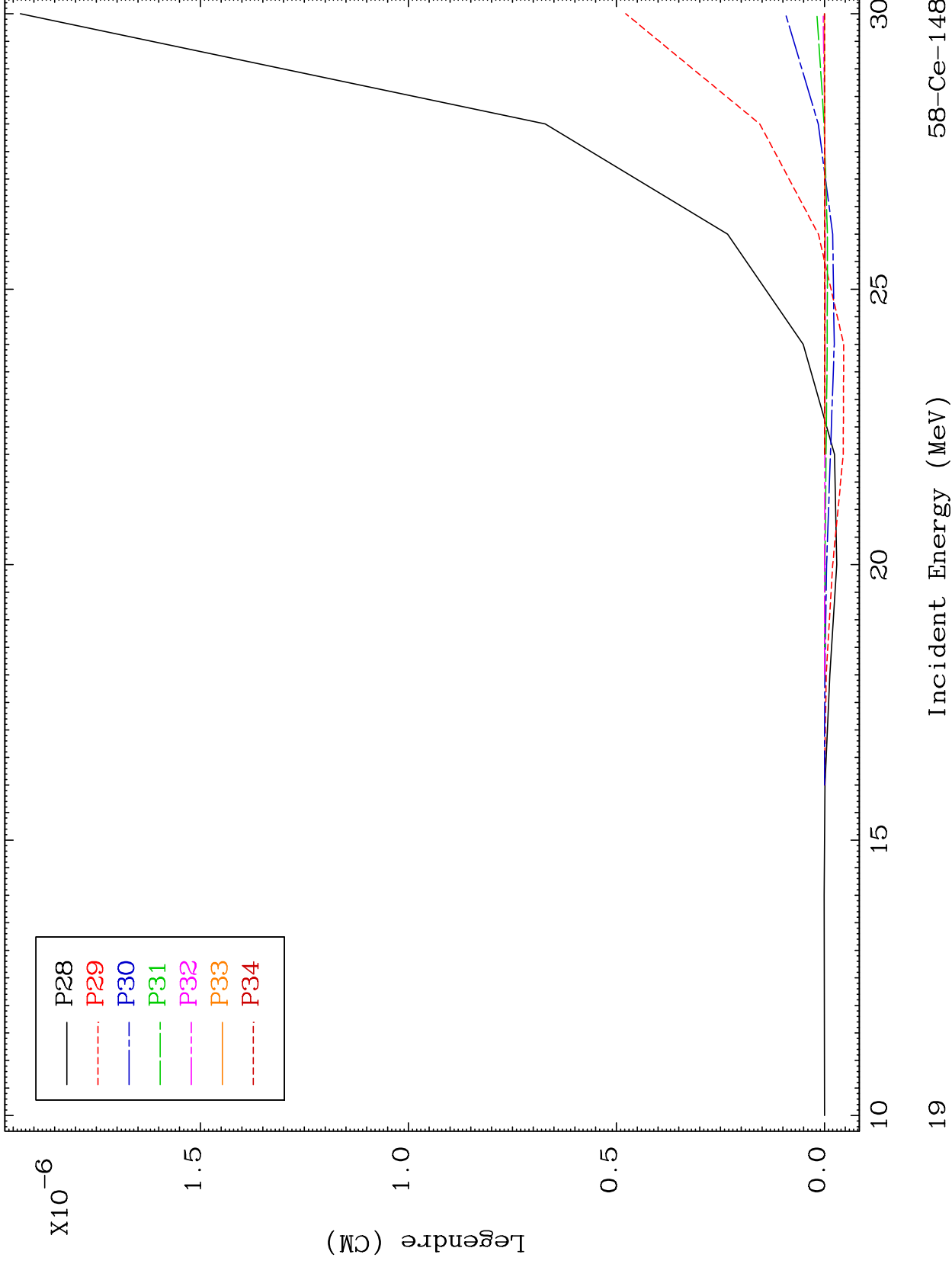




MAT 5861

Elastic
Legendre Coefficients

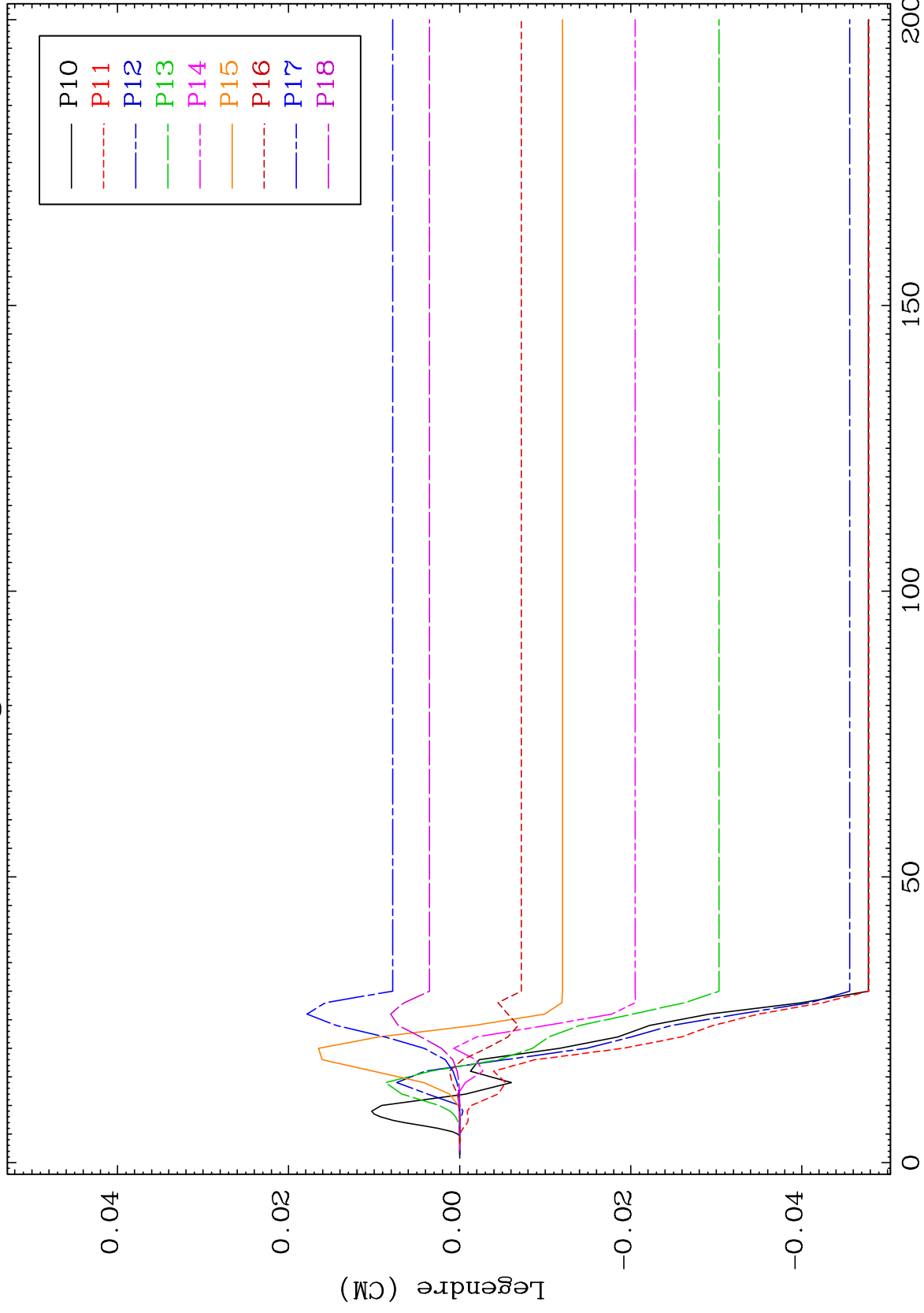
58-Ce-148



MAT 5861

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

58-Ce-148



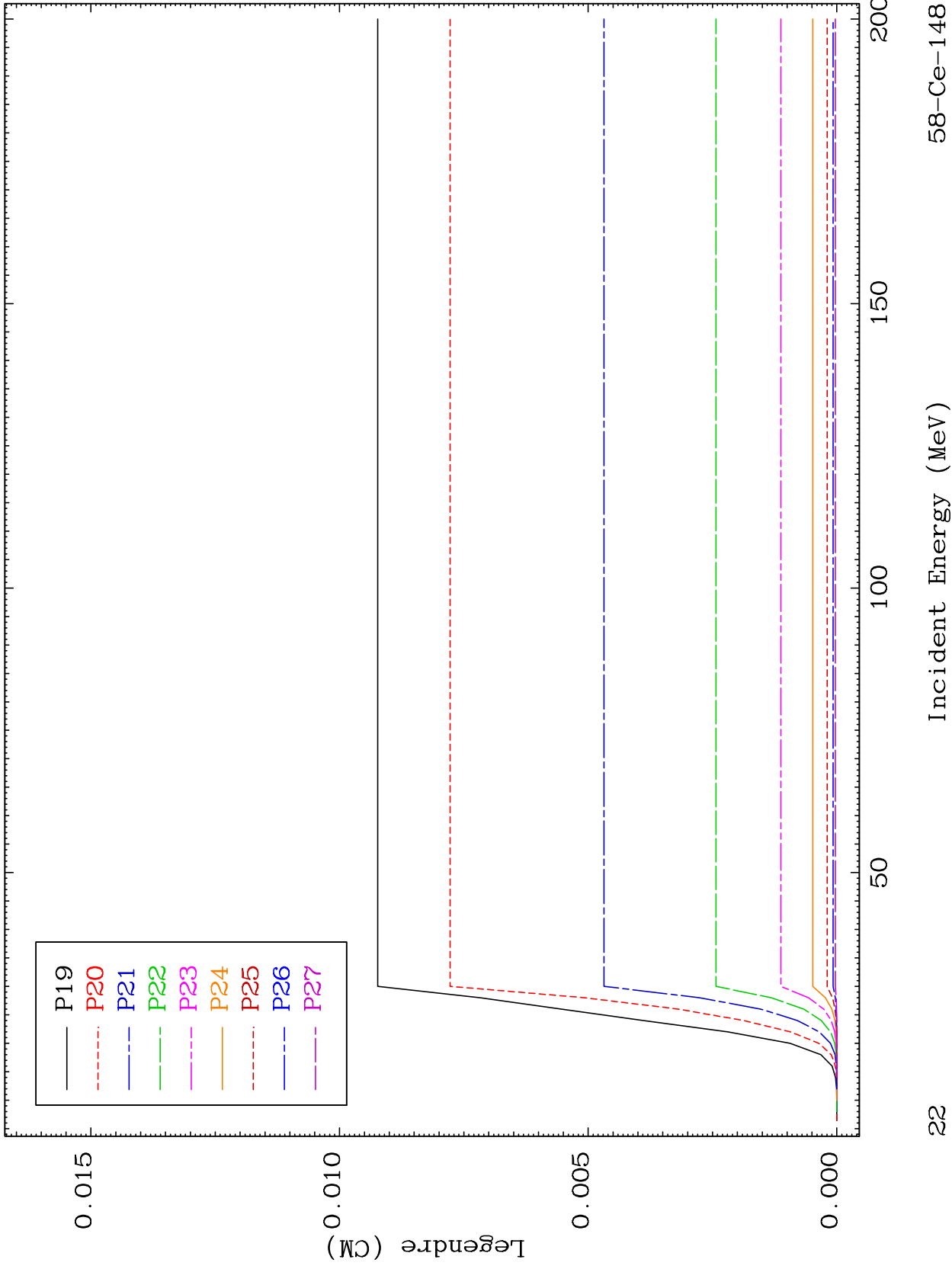
21

58-Ce-148

MAT 5861

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

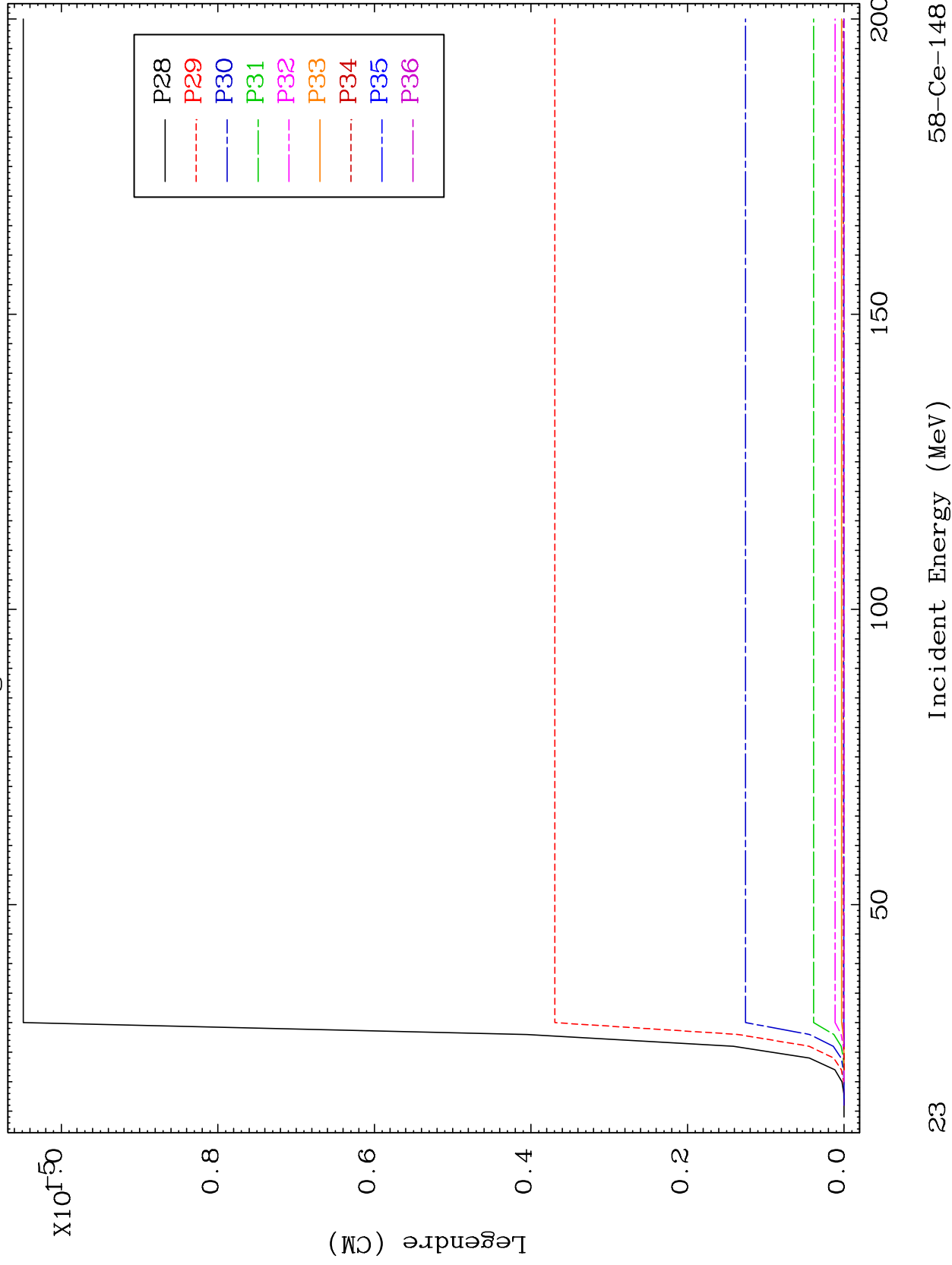
58-Ce-148



MAT 5861

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

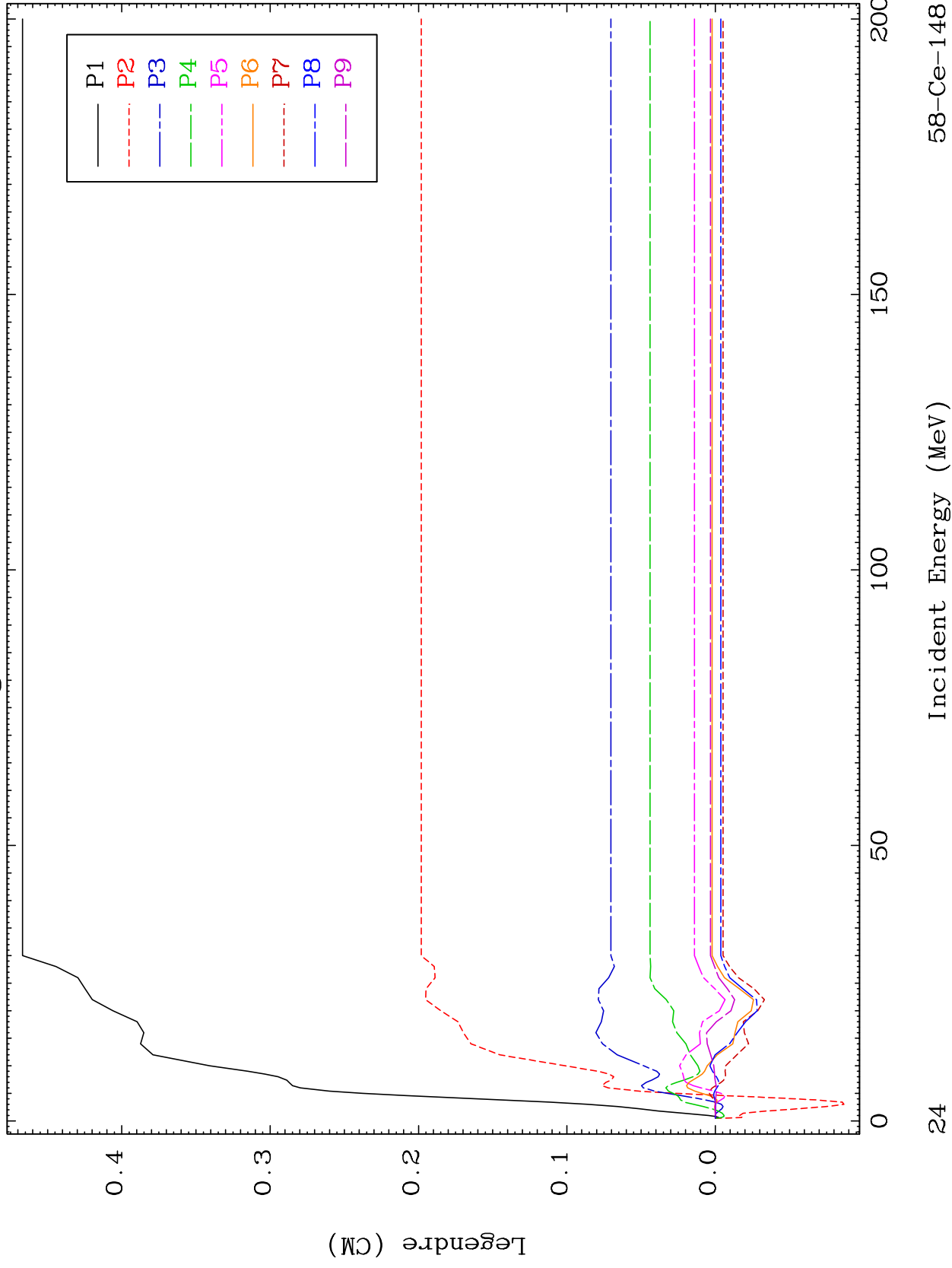
58-Ce-148



MAT 5861

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

58-Ce-148



58-Ce-148

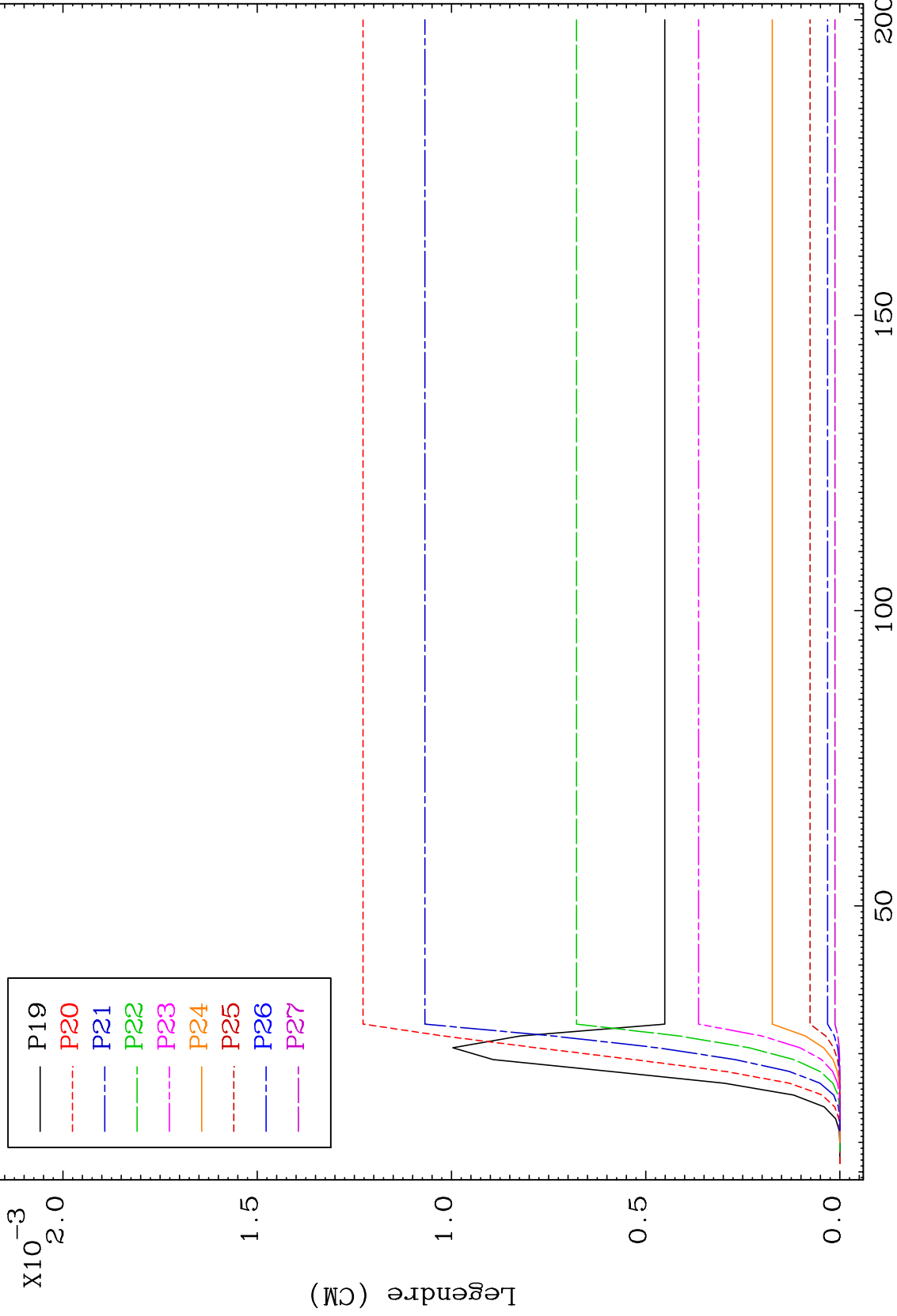
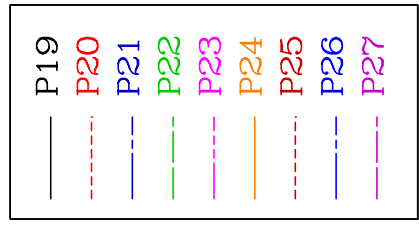
Incident Energy (MeV)

24

MAT 5861

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

58-Ce-148



26

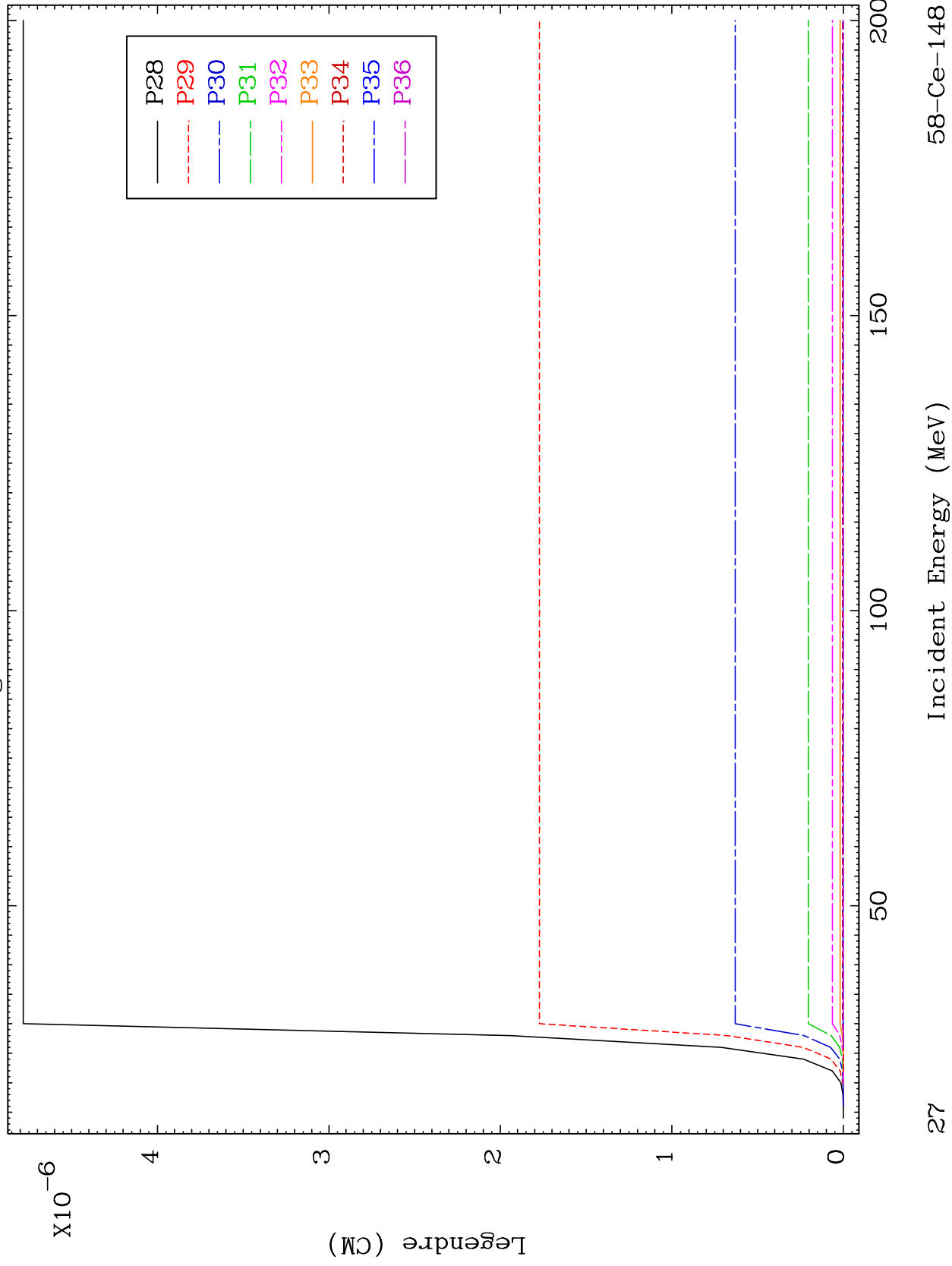
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

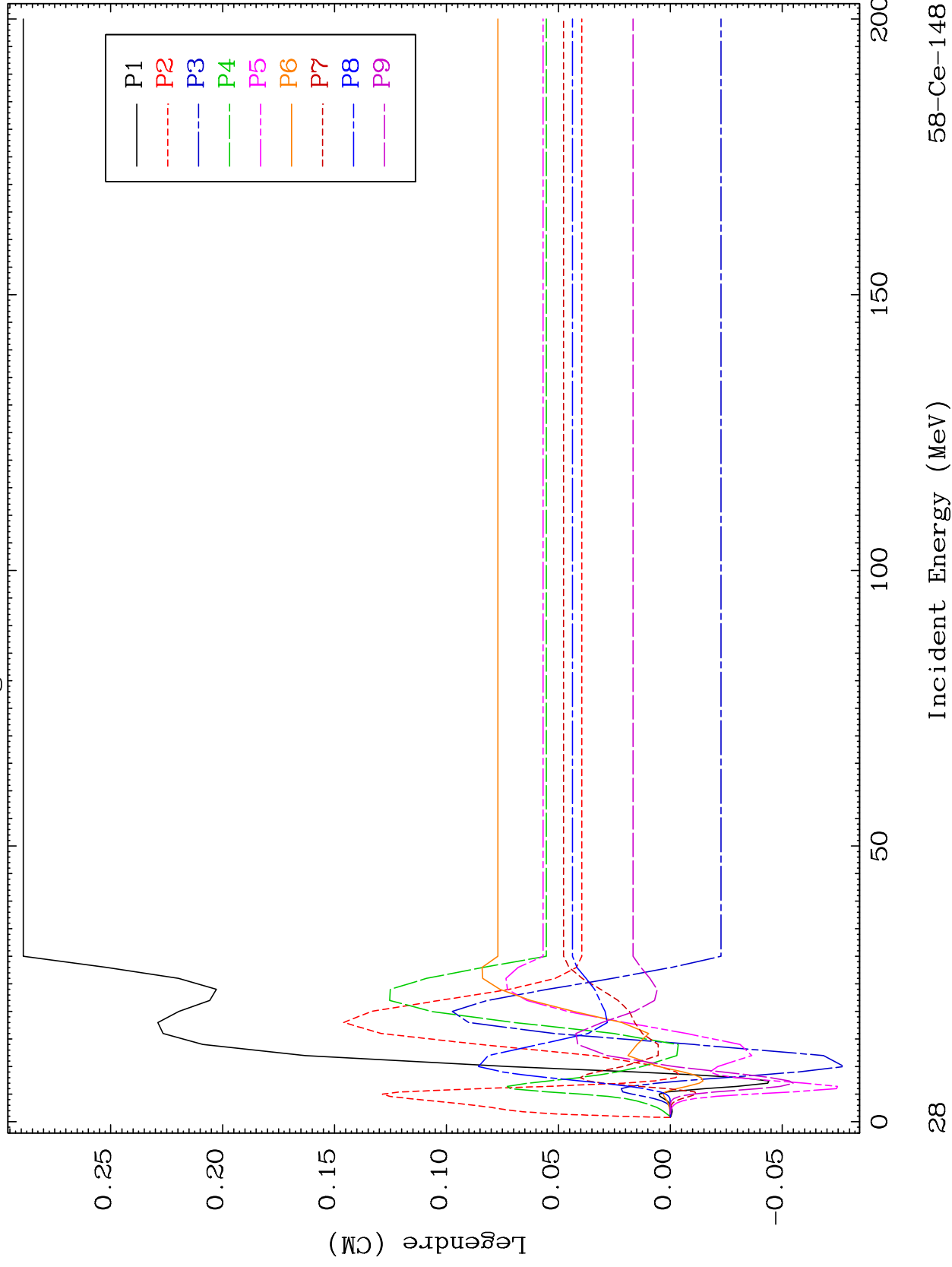
58-Ce-148



MAT 5861

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

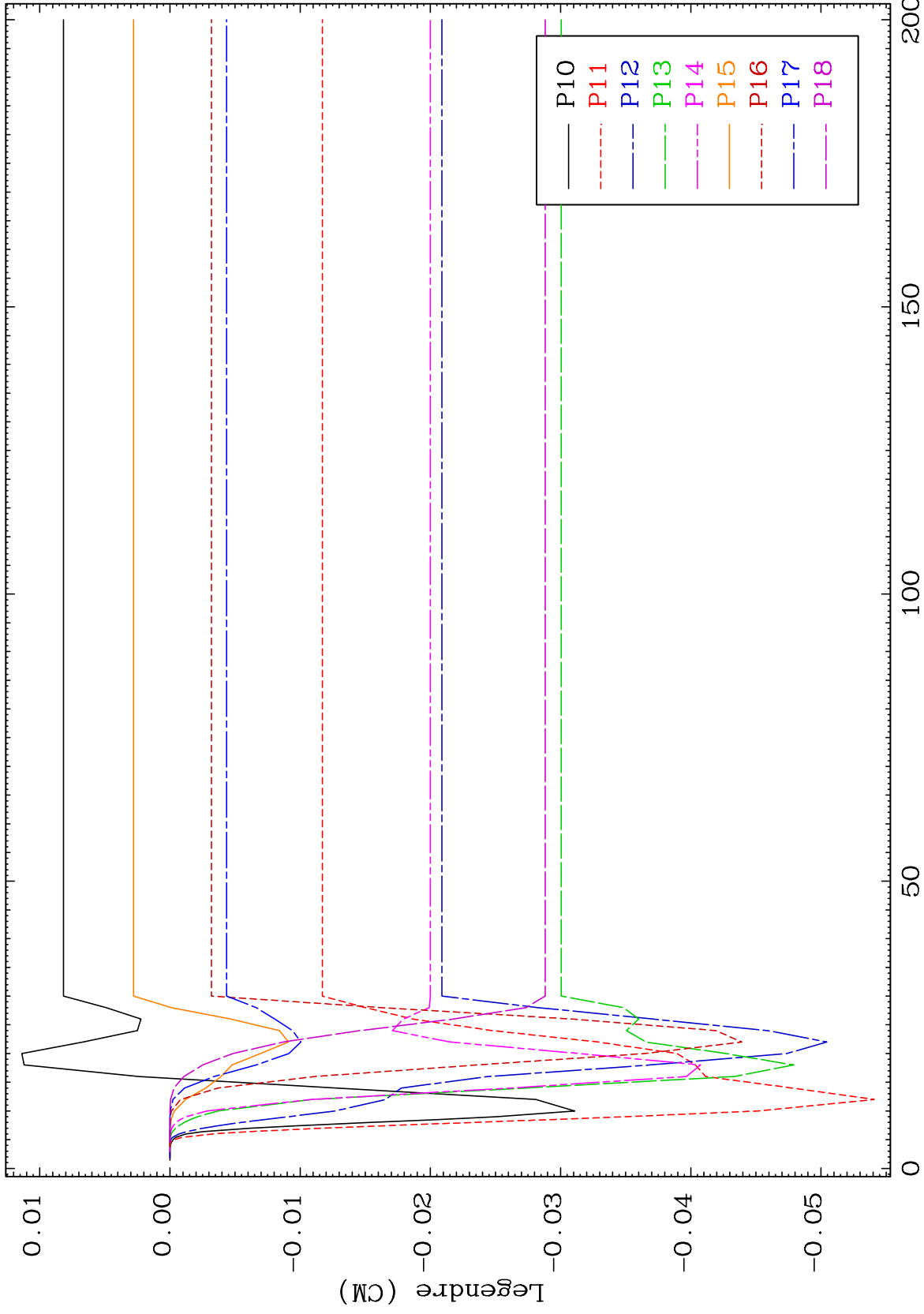
58-Ce-148



MAT 5861

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

58-Ce-148



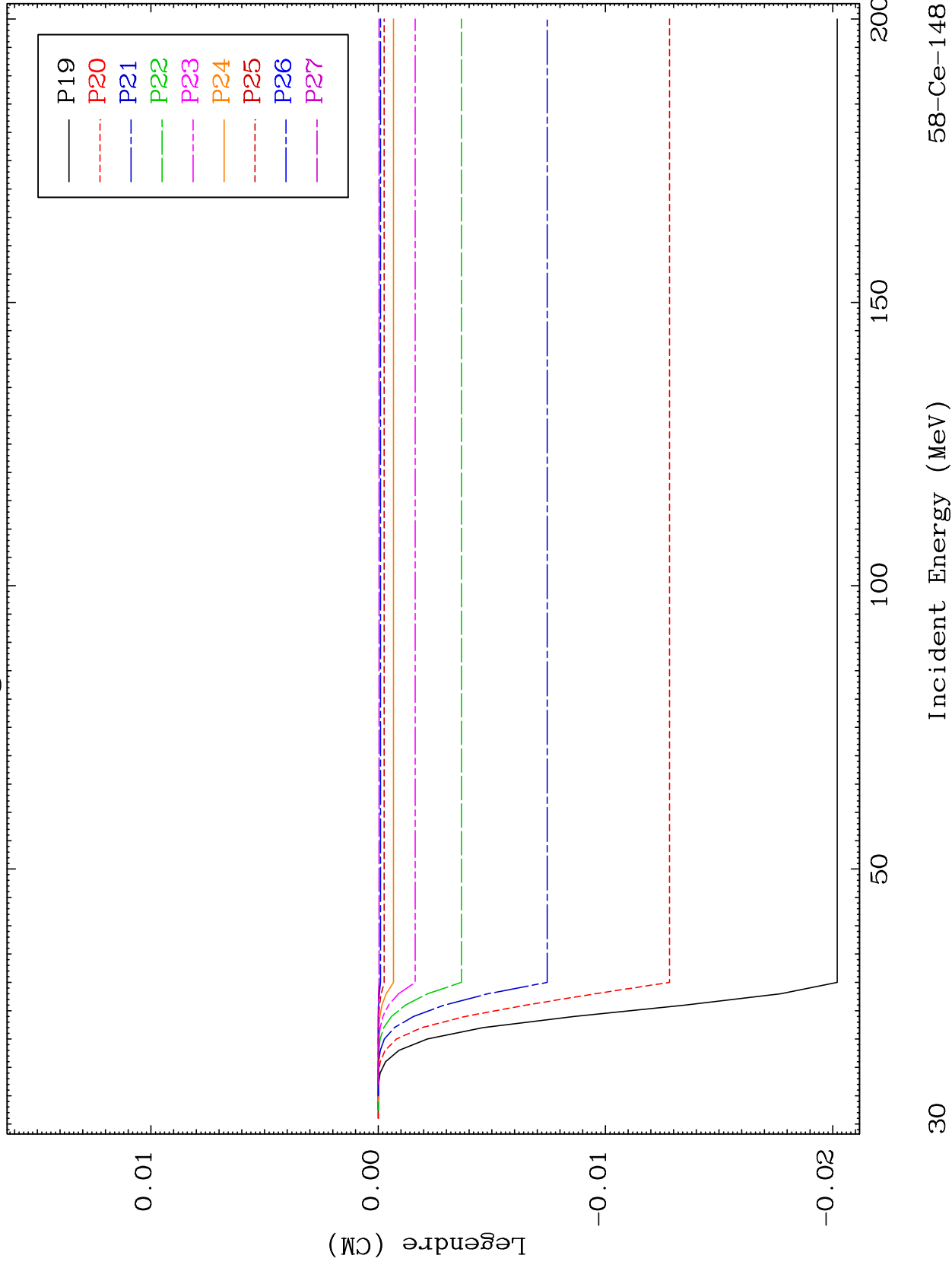
29

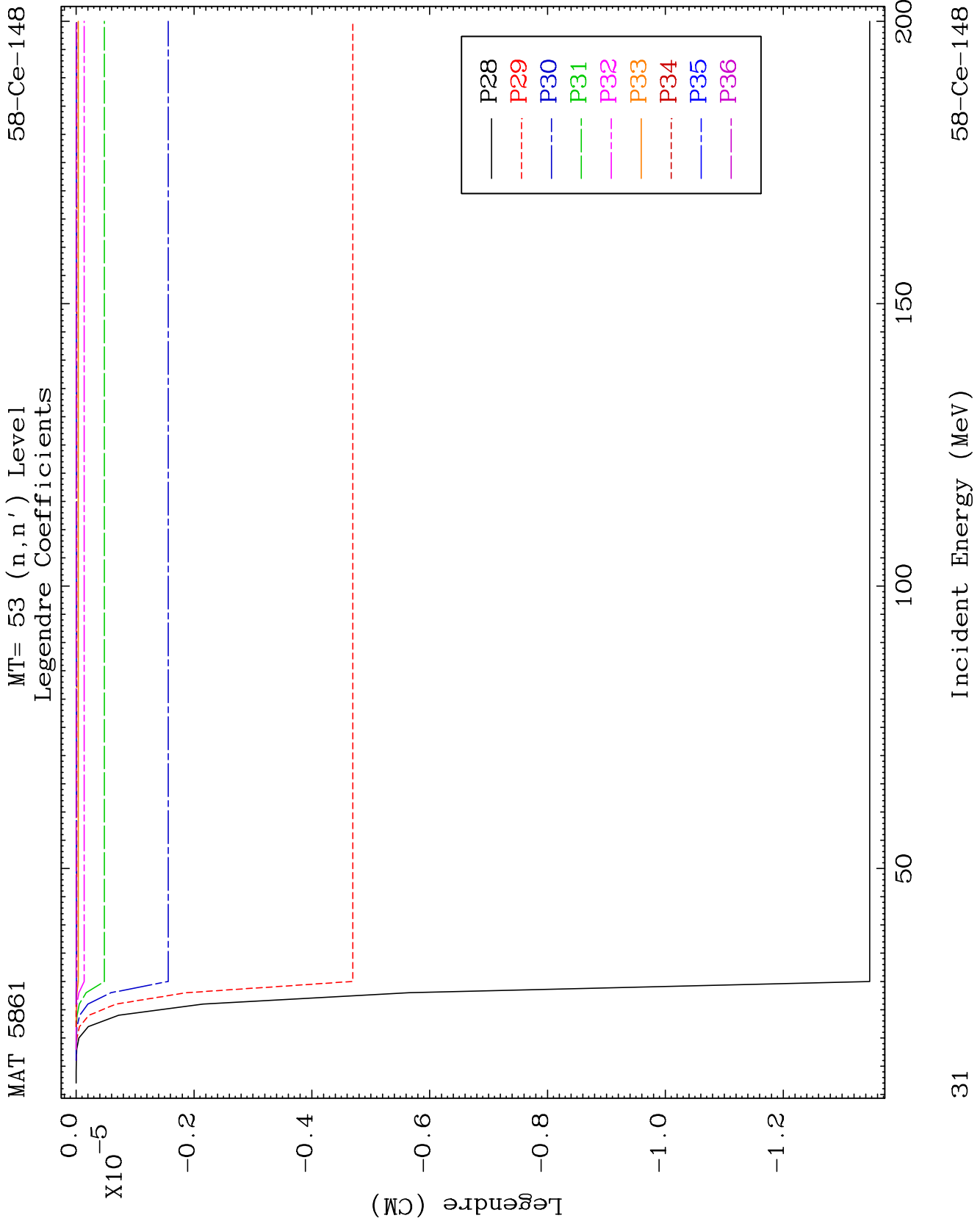
58-Ce-148

MAT 5861

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

58-Ce-148

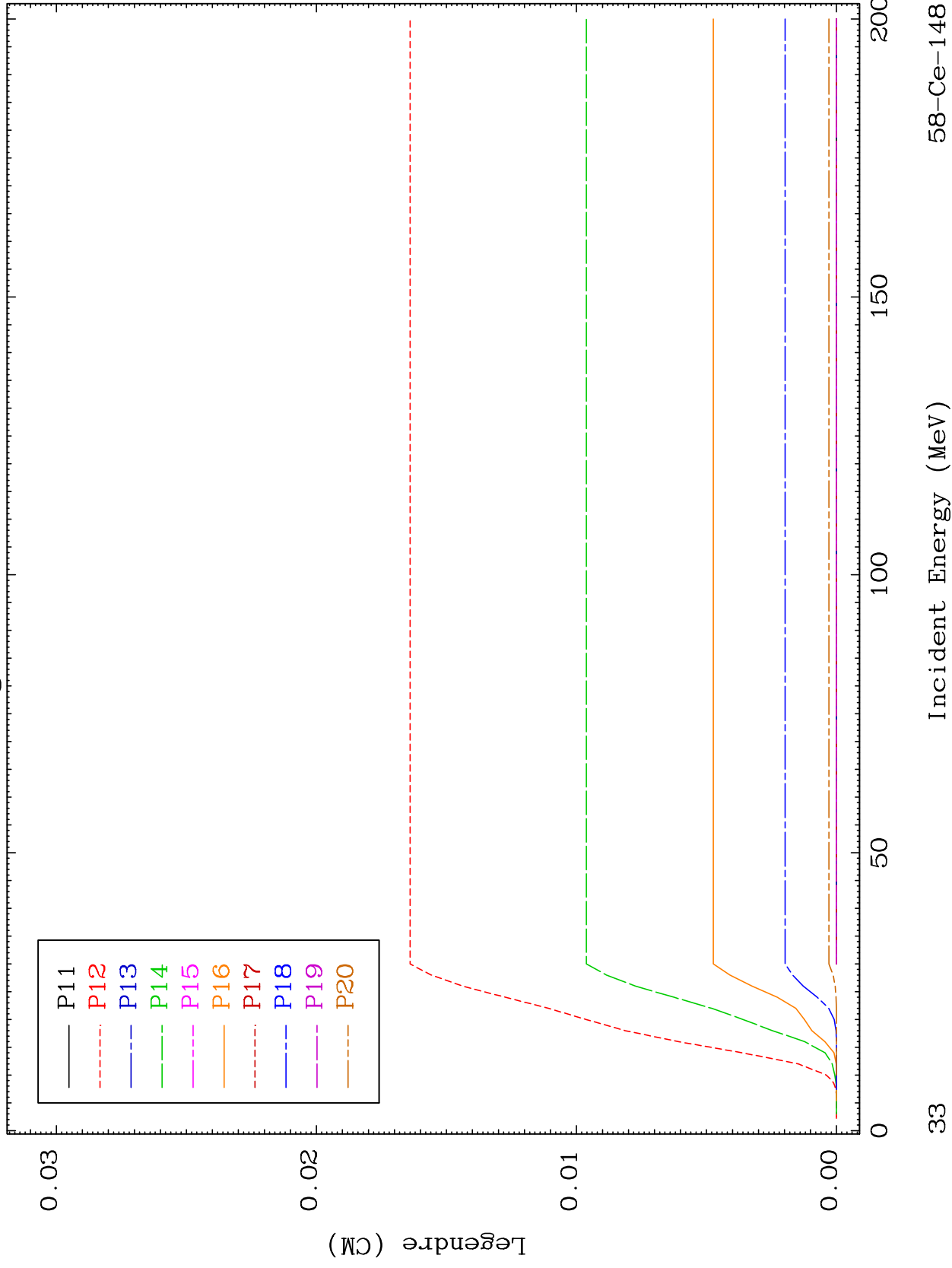




MAT 5861

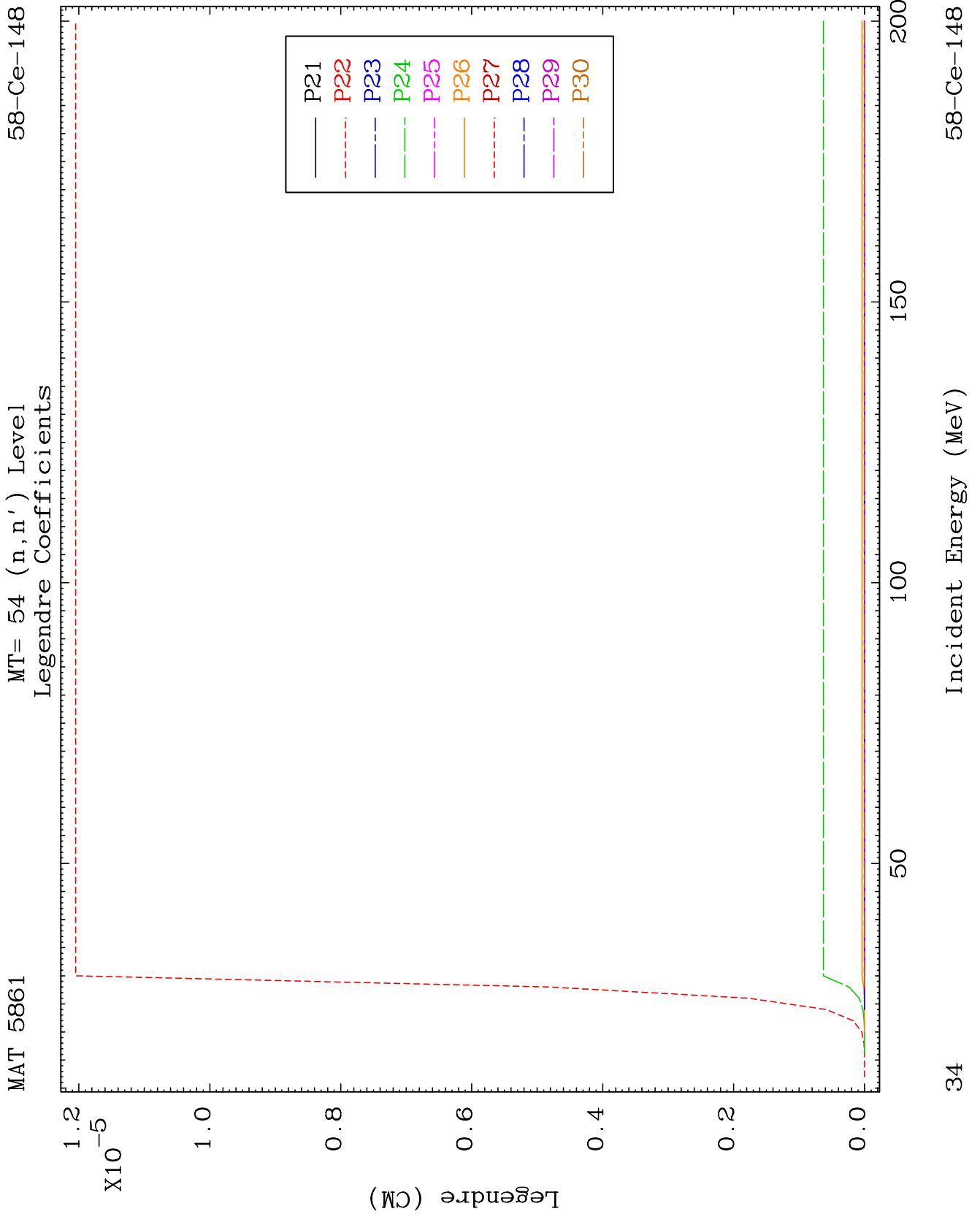
MT= 54 (n,n') Level
Legendre Coefficients

58-Ce-148



33

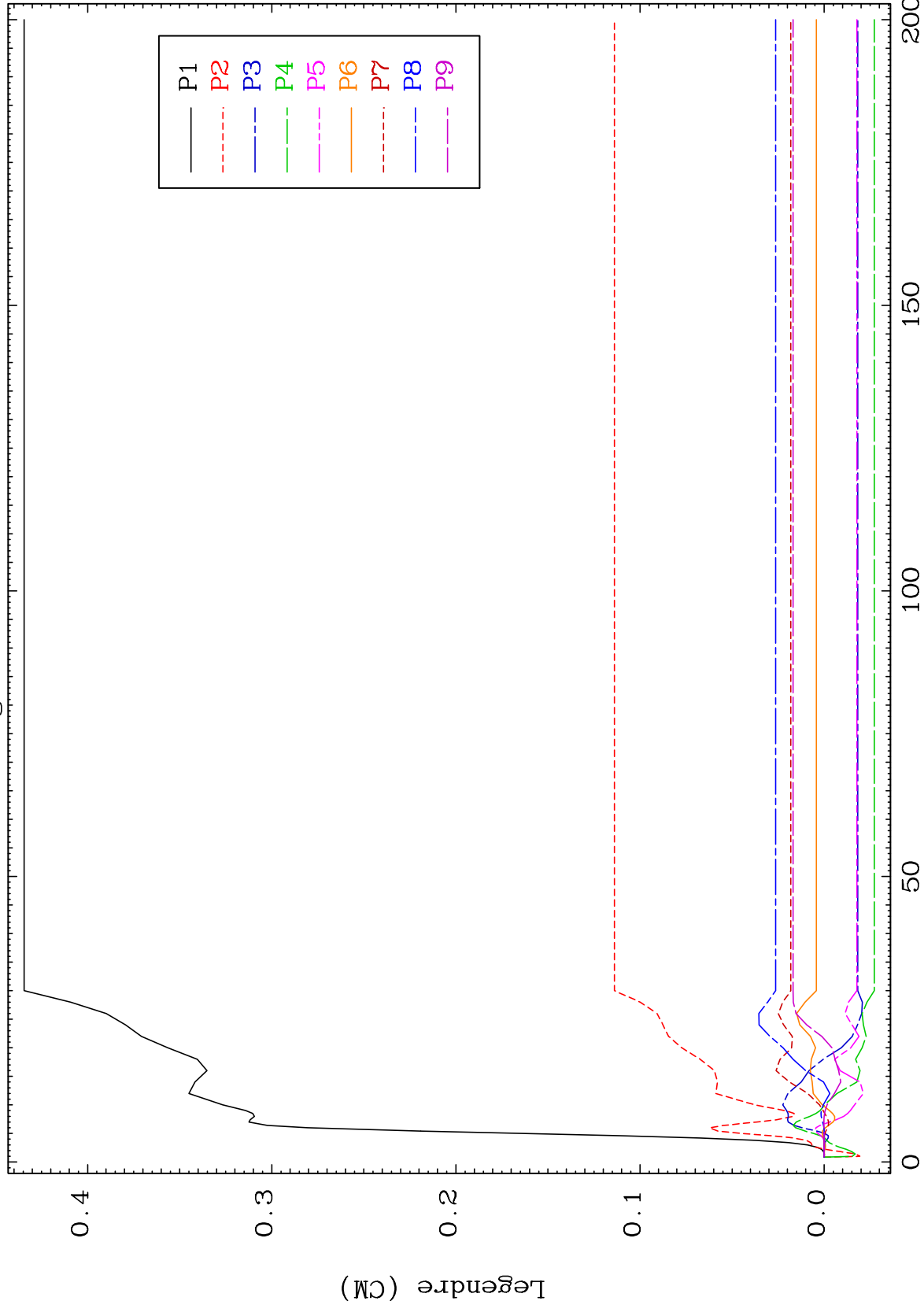
58-Ce-148



MAT 5861

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

58-Ce-148



58-Ce-148

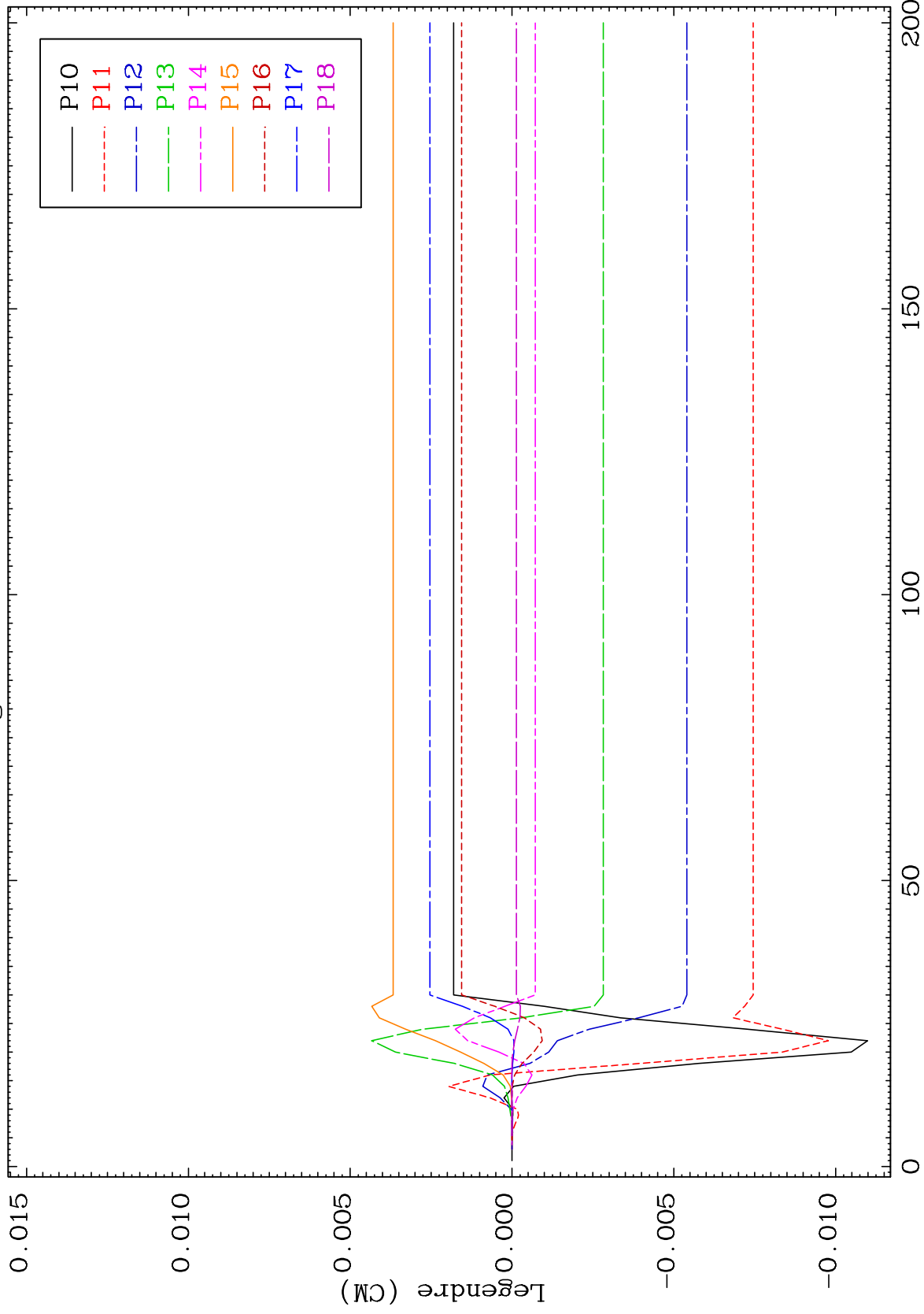
Incident Energy (MeV)

35

MAT 5861

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

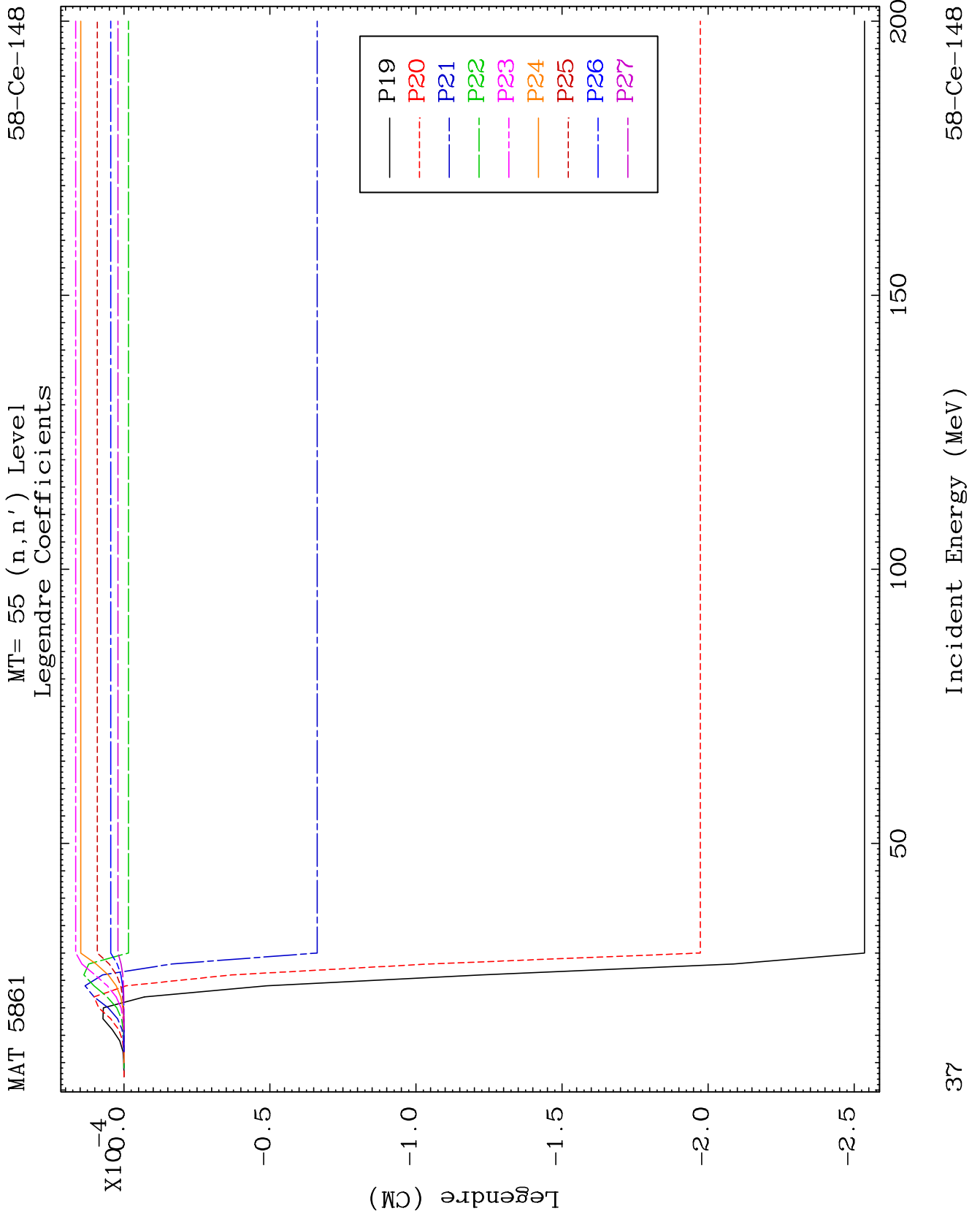
58-Ce-148



36

Incident Energy (MeV)

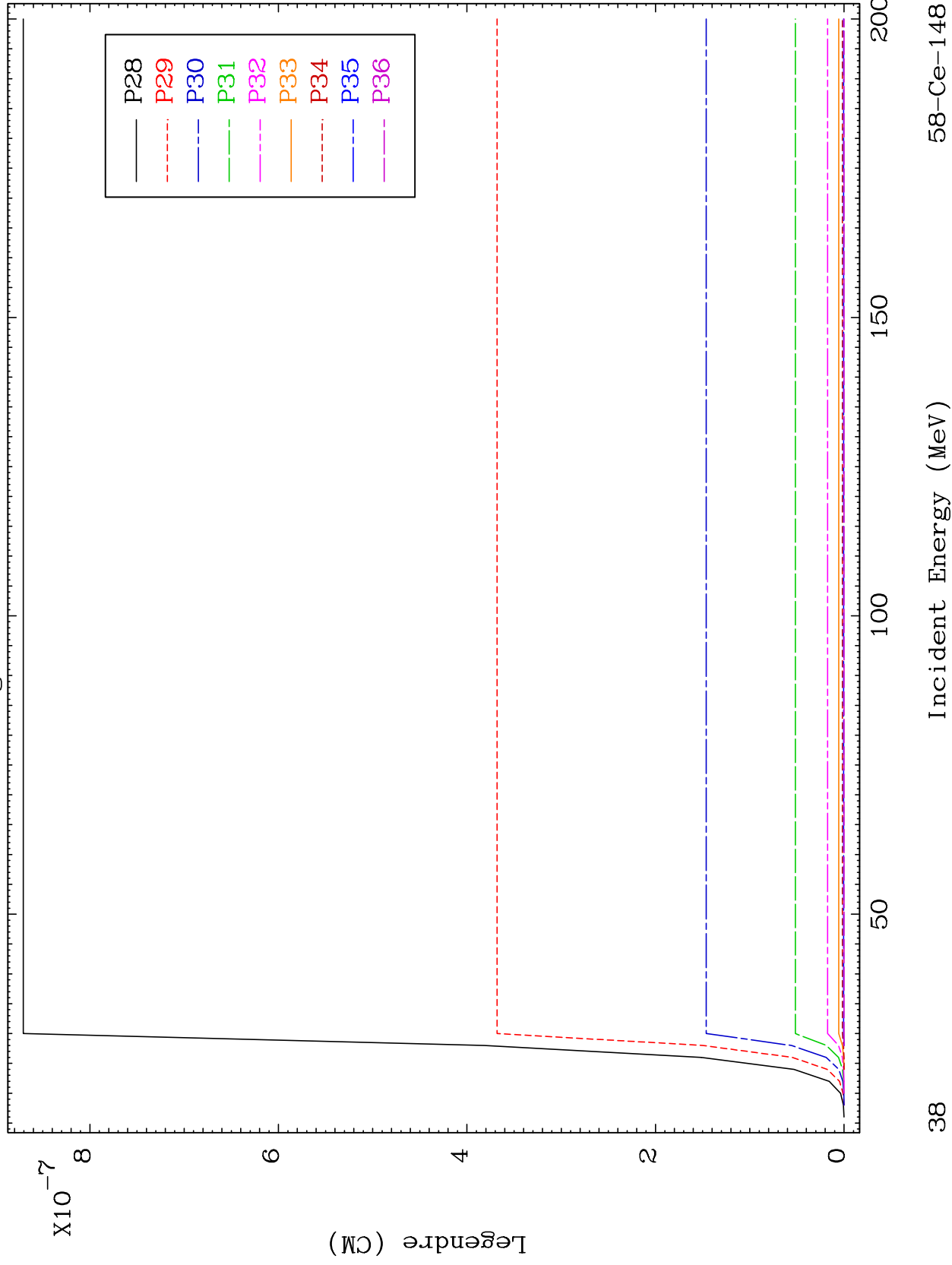
58-Ce-148



MAT 5861

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

58-Ce-148



38

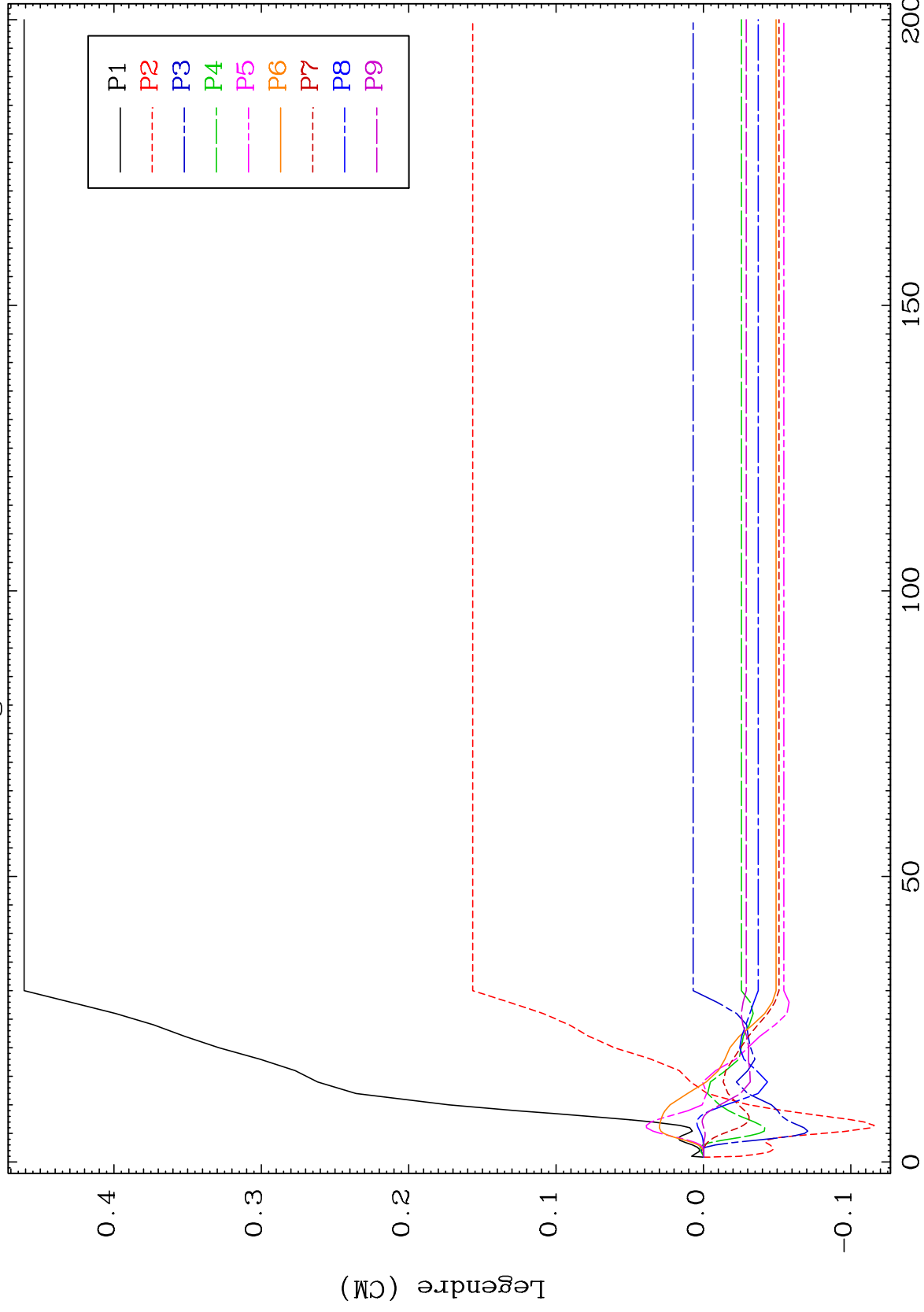
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



39

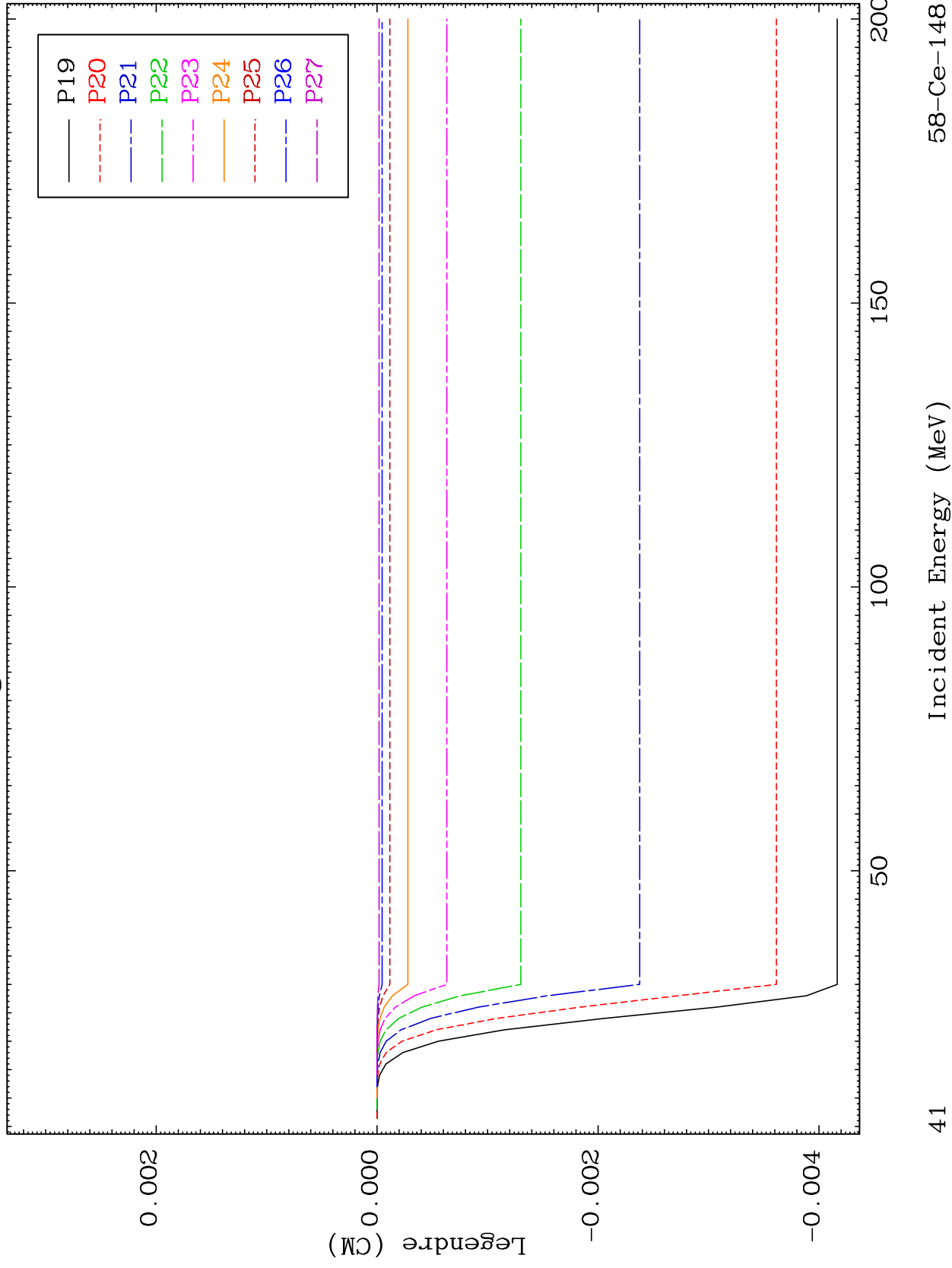
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

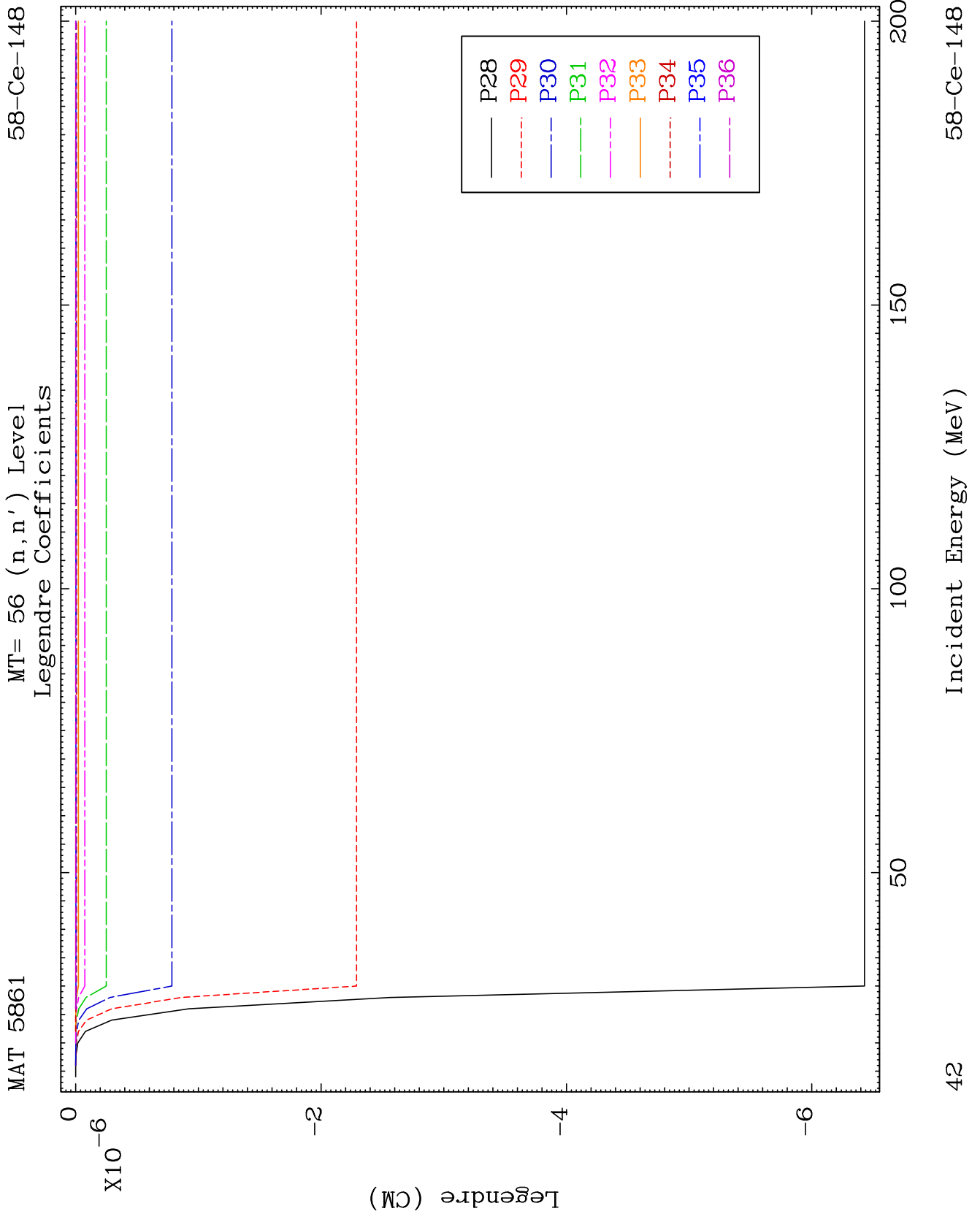
58-Ce-148

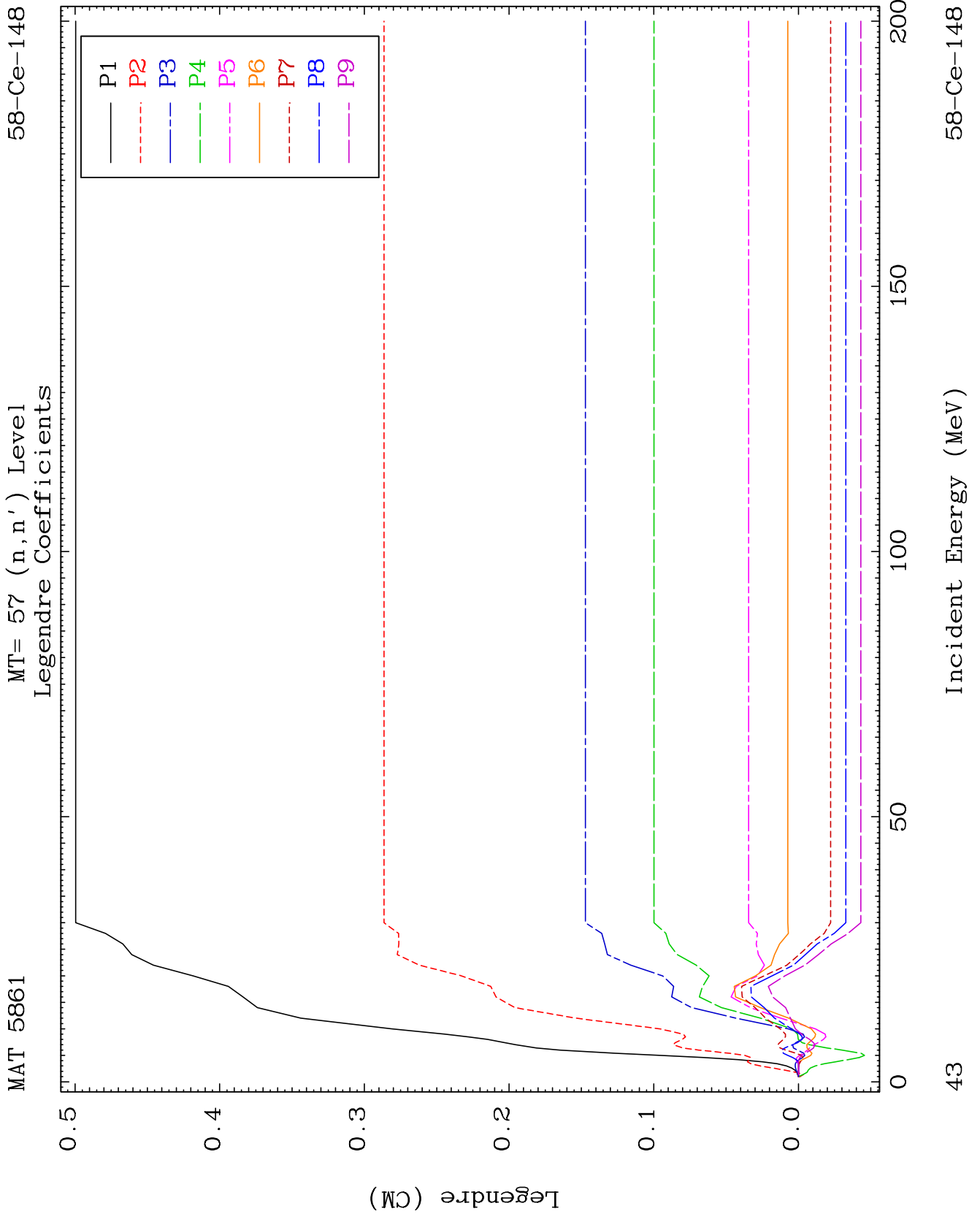


41

Incident Energy (MeV)

58-Ce-148

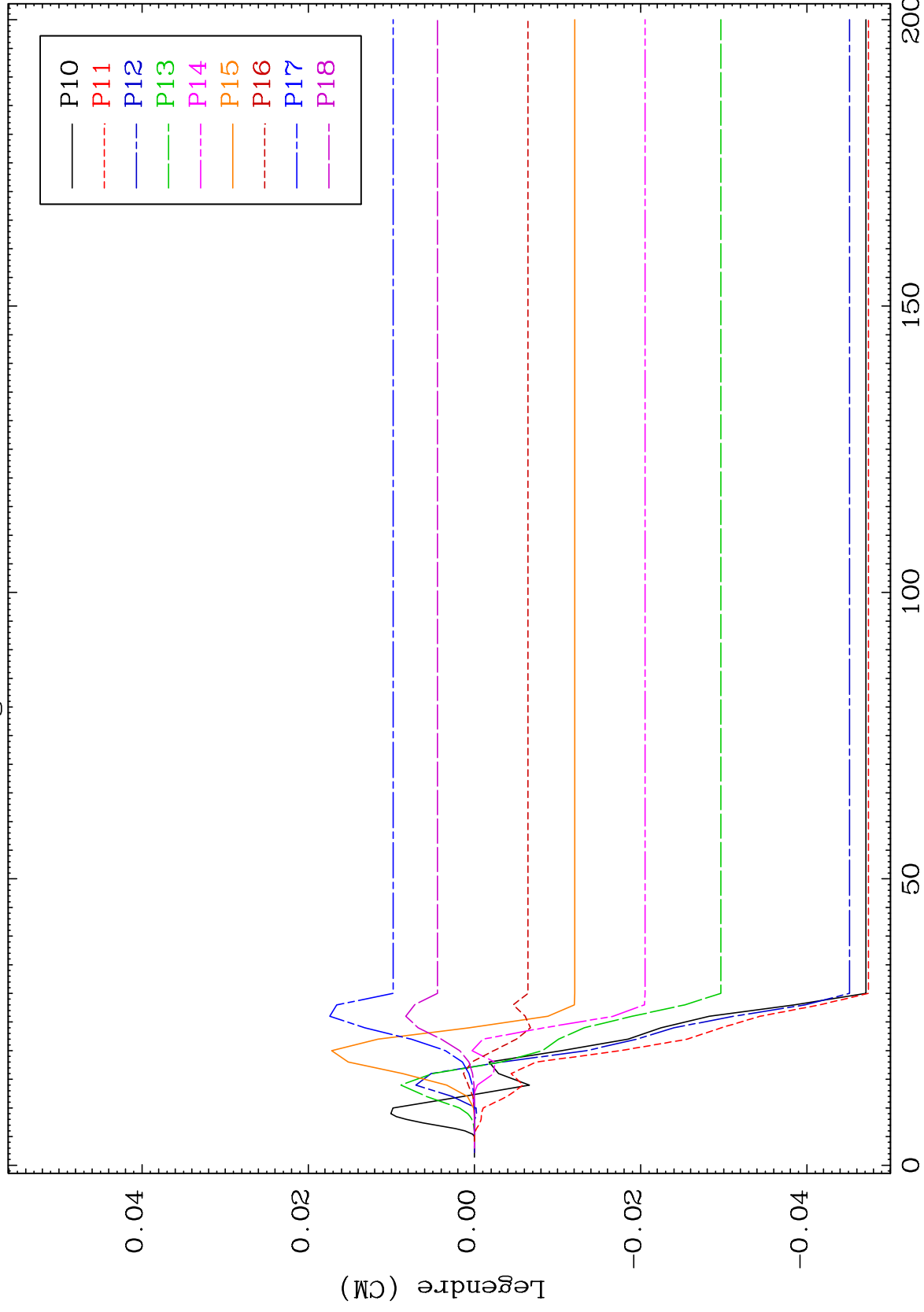




MAT 5861

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

58-Ce-148



44

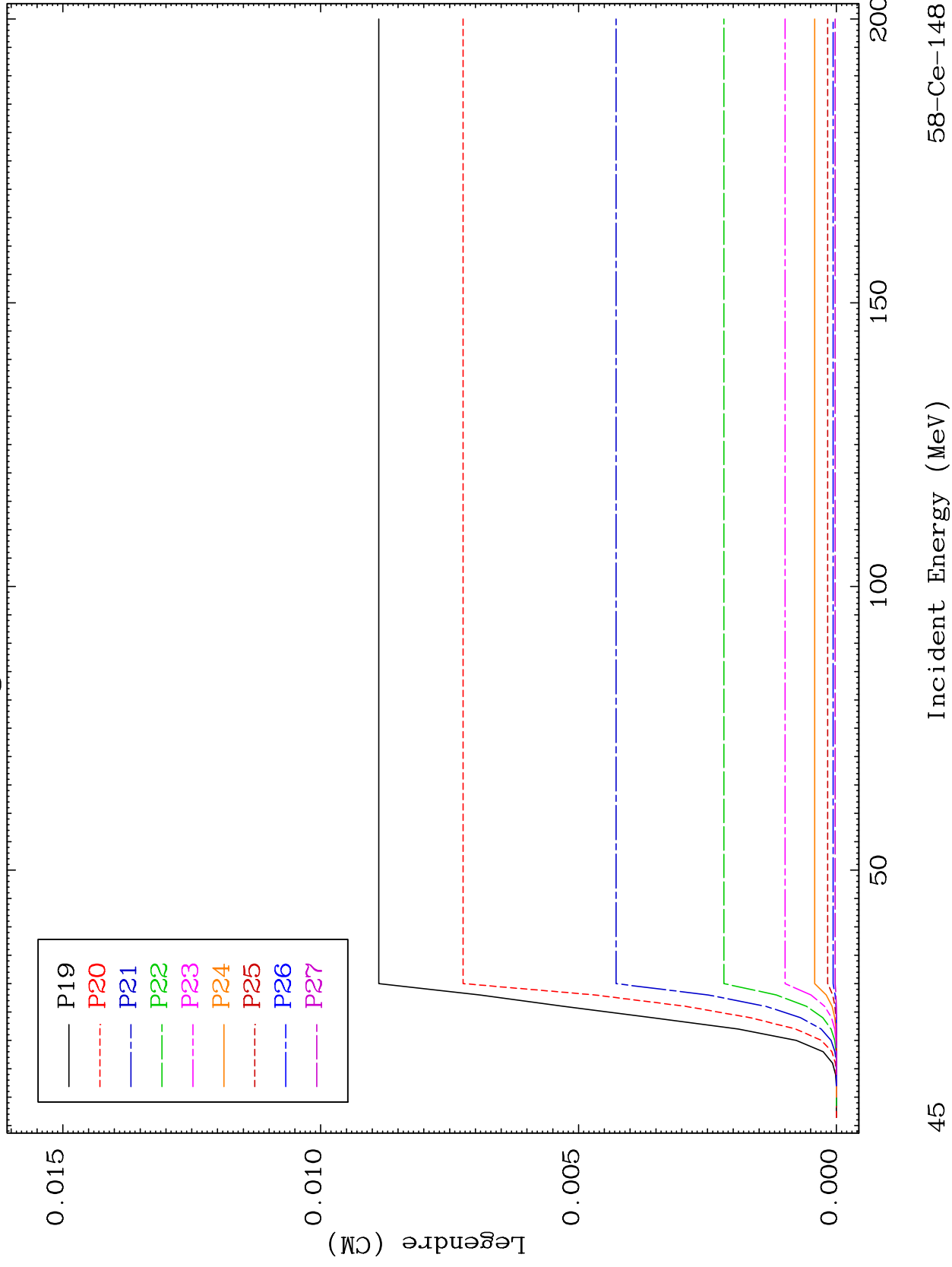
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



45

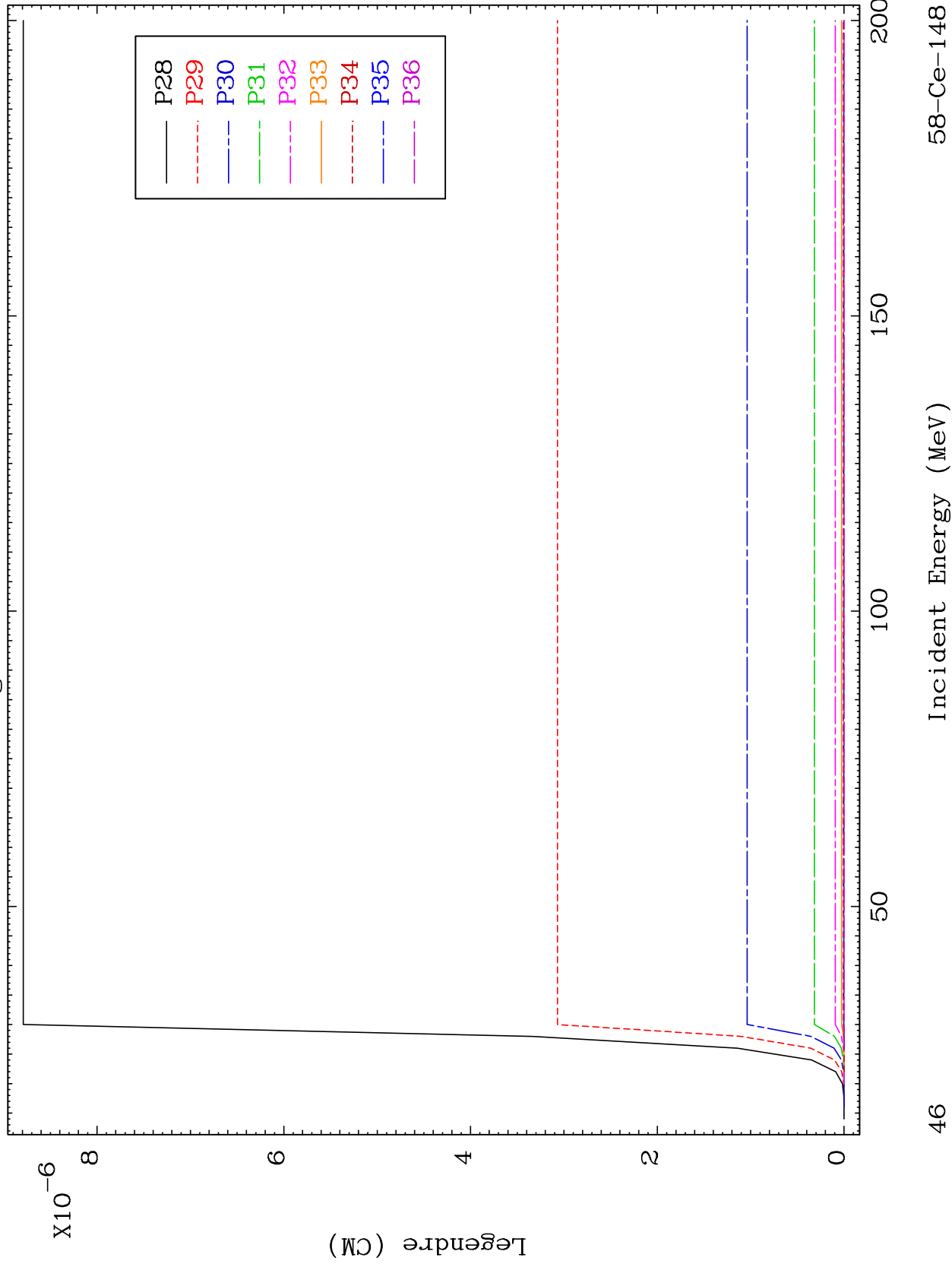
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

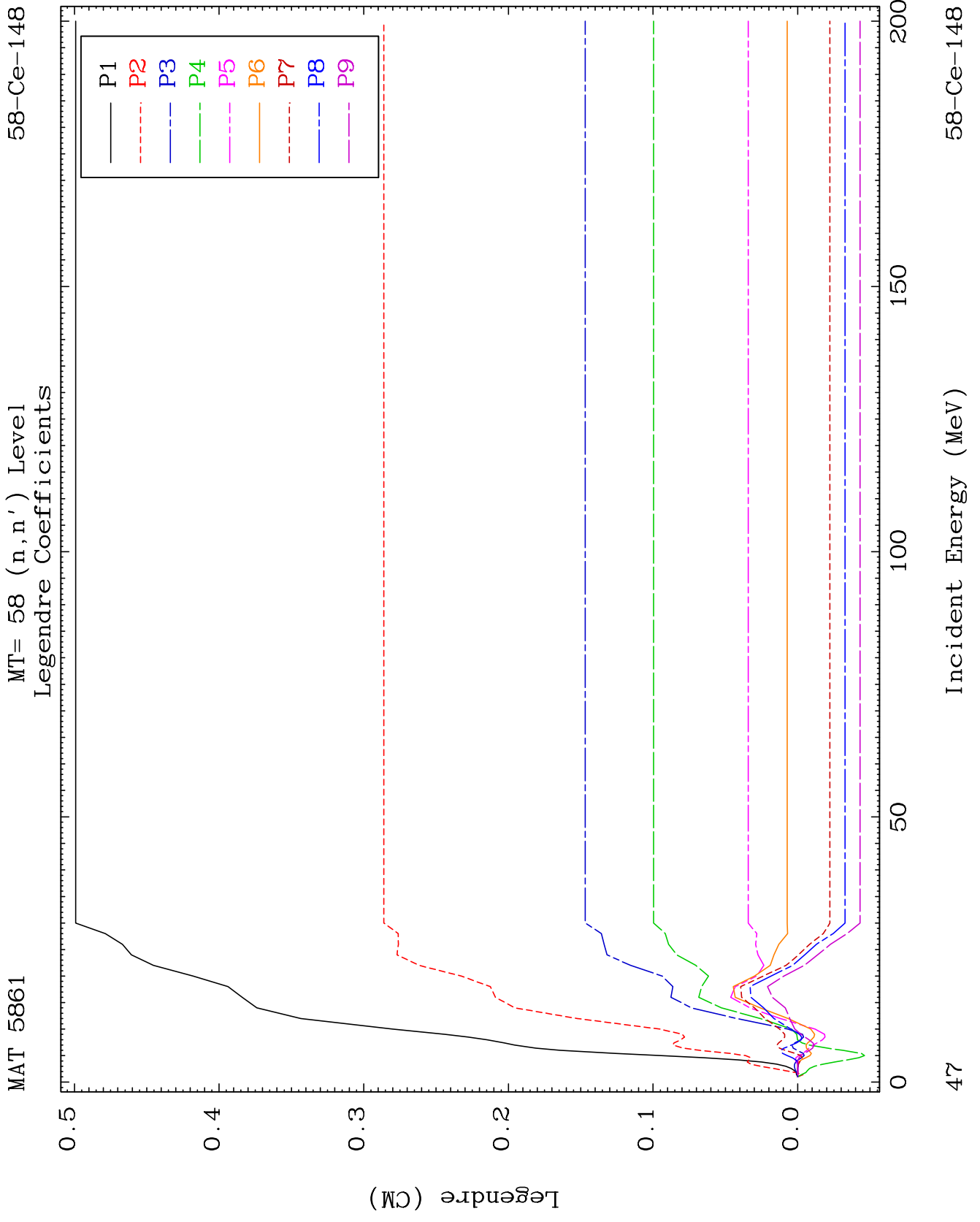
58-Ce-148

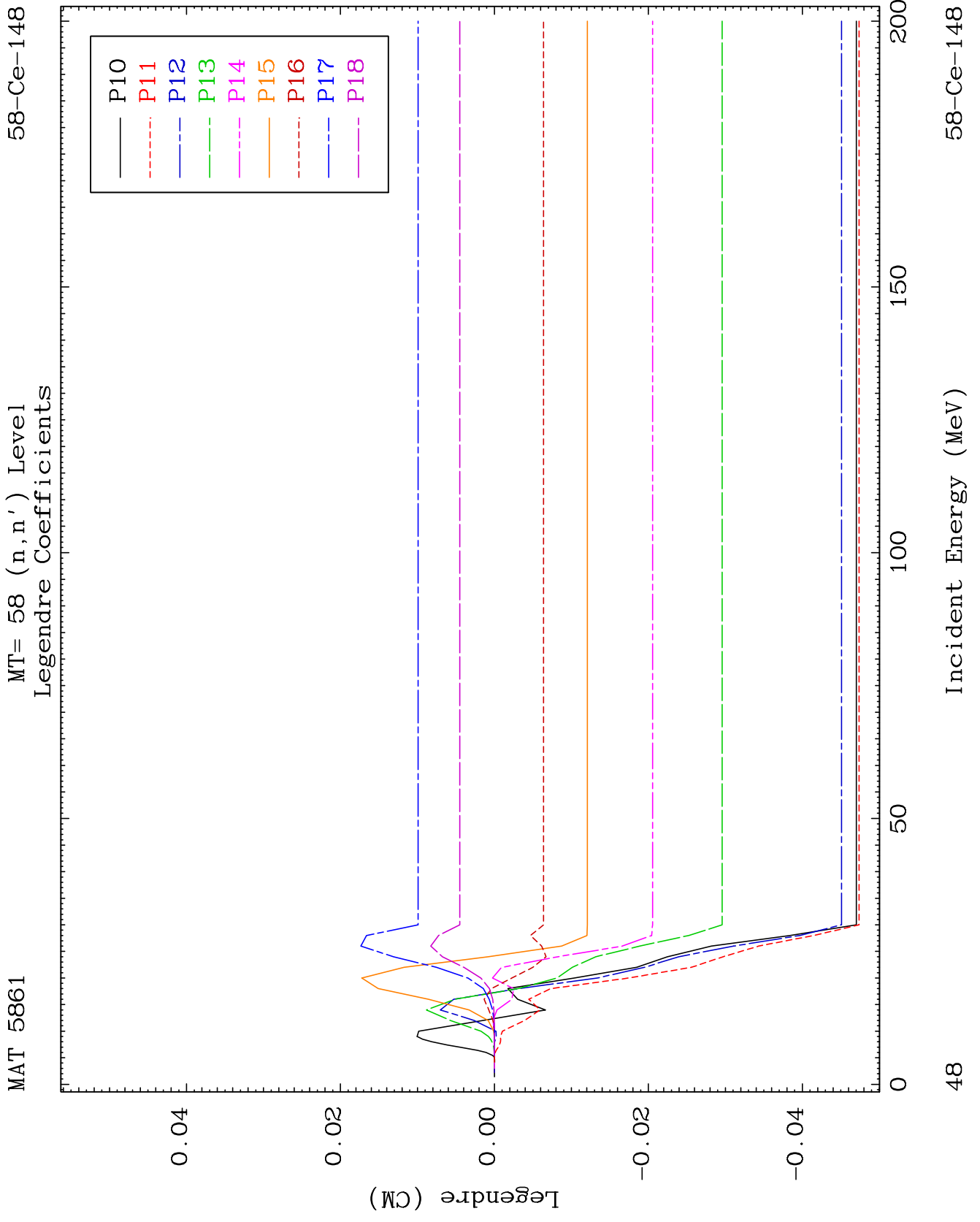


46

Incident Energy (MeV)

58-Ce-148

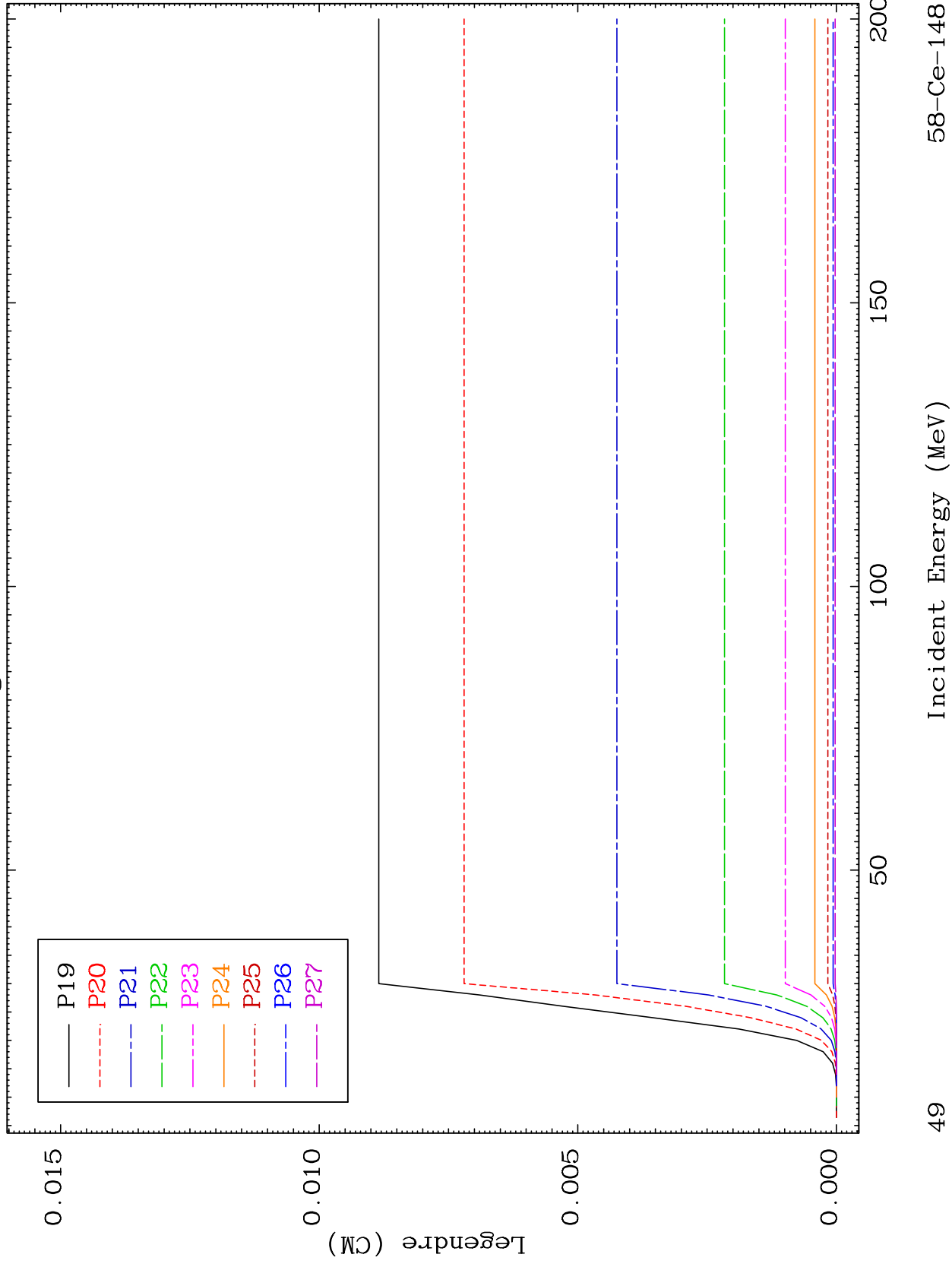




MAT 5861

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

58-Ce-148



49

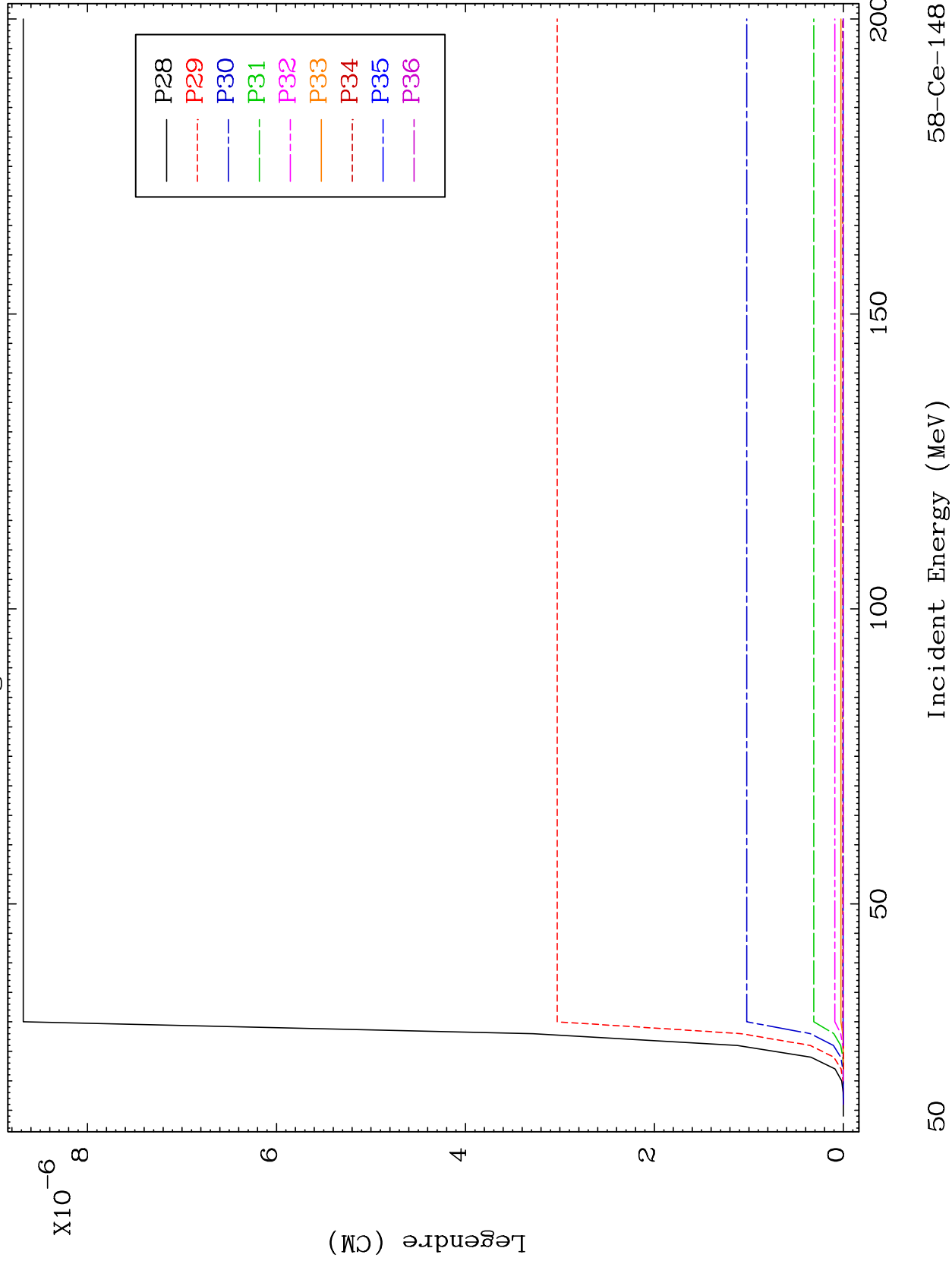
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

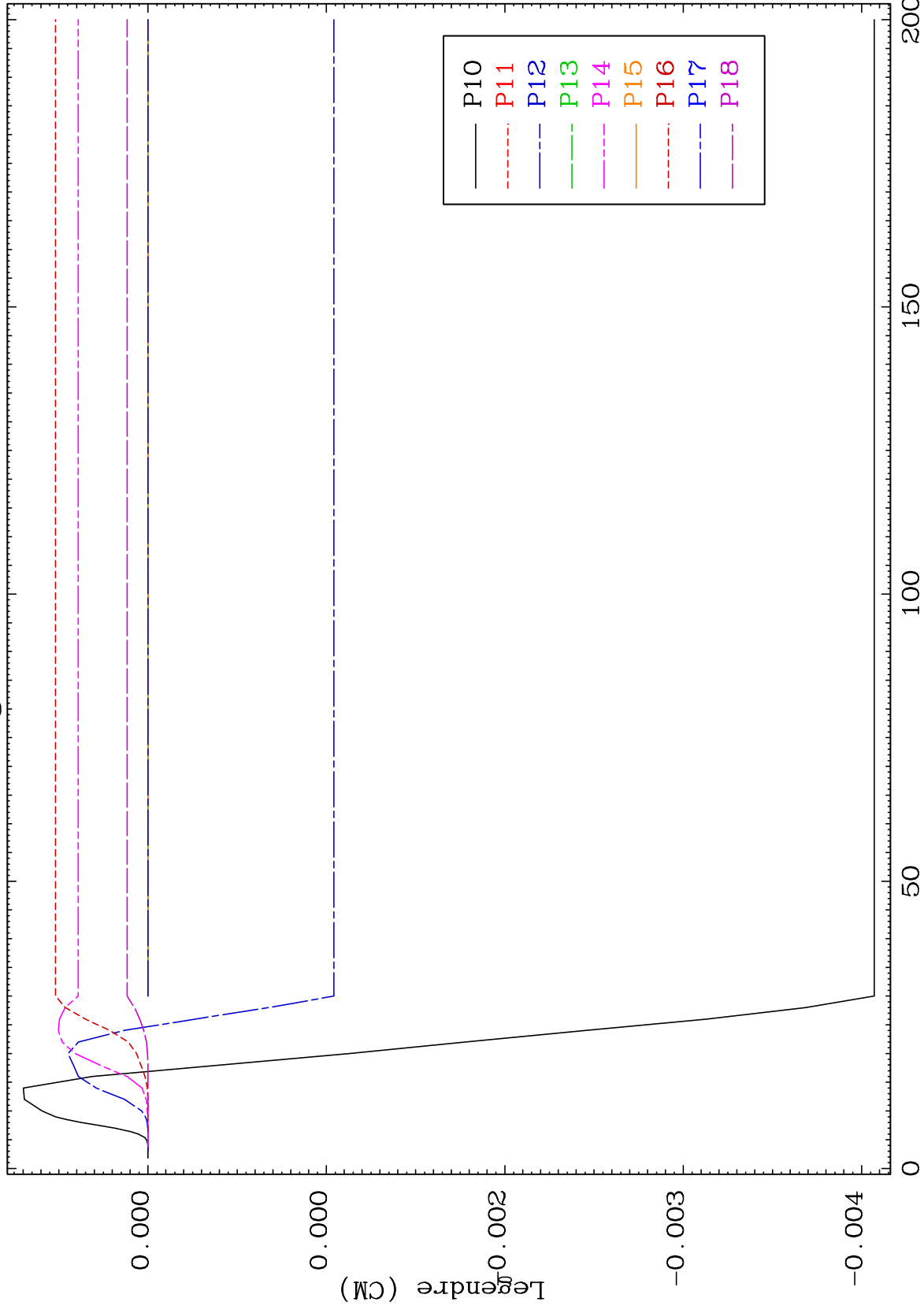
58-Ce-148



MAT 5861

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

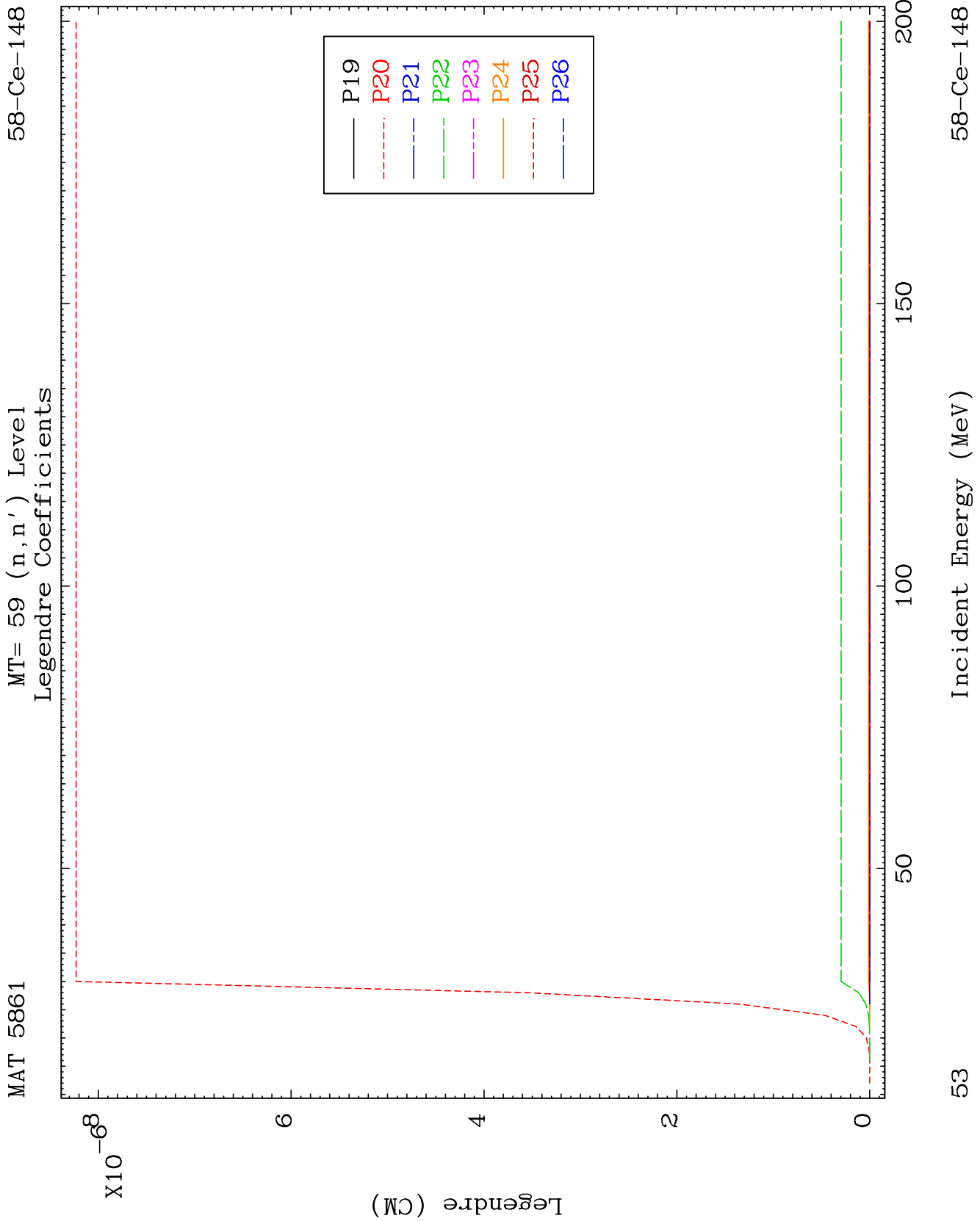
58-Ce-148



52

Incident Energy (MeV)

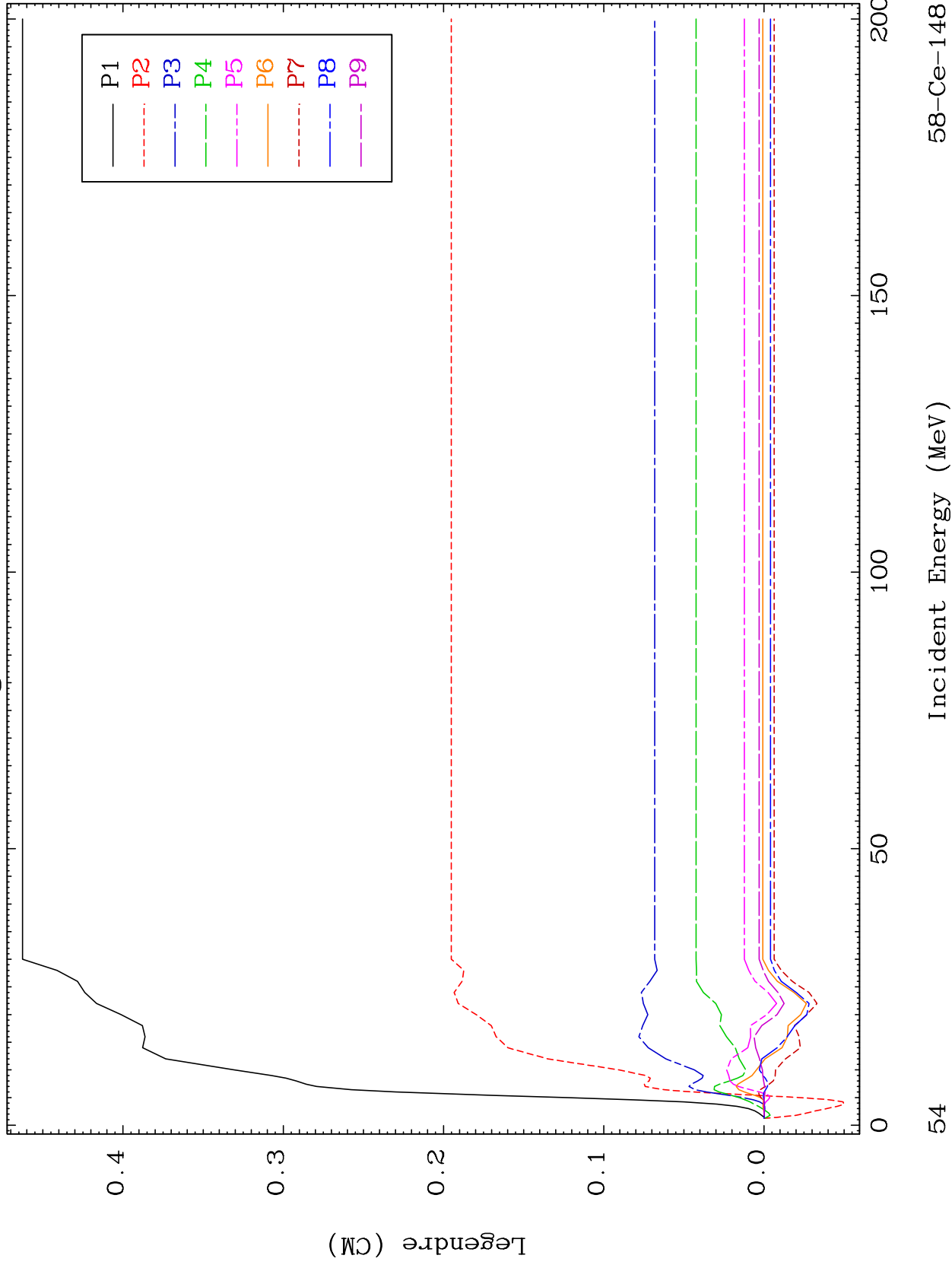
58-Ce-148



MAT 5861

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

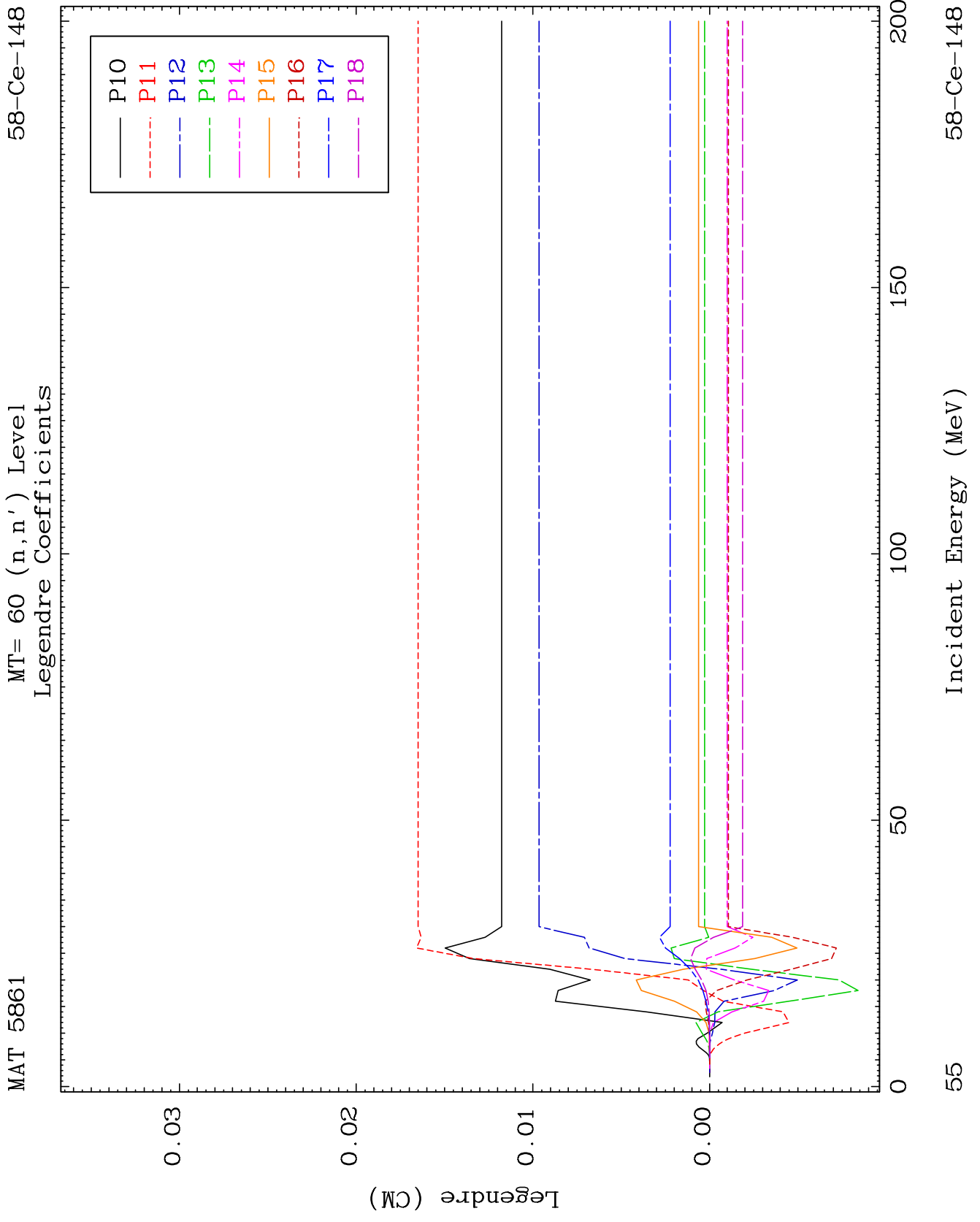
58-Ce-148



58-Ce-148

Incident Energy (MeV)

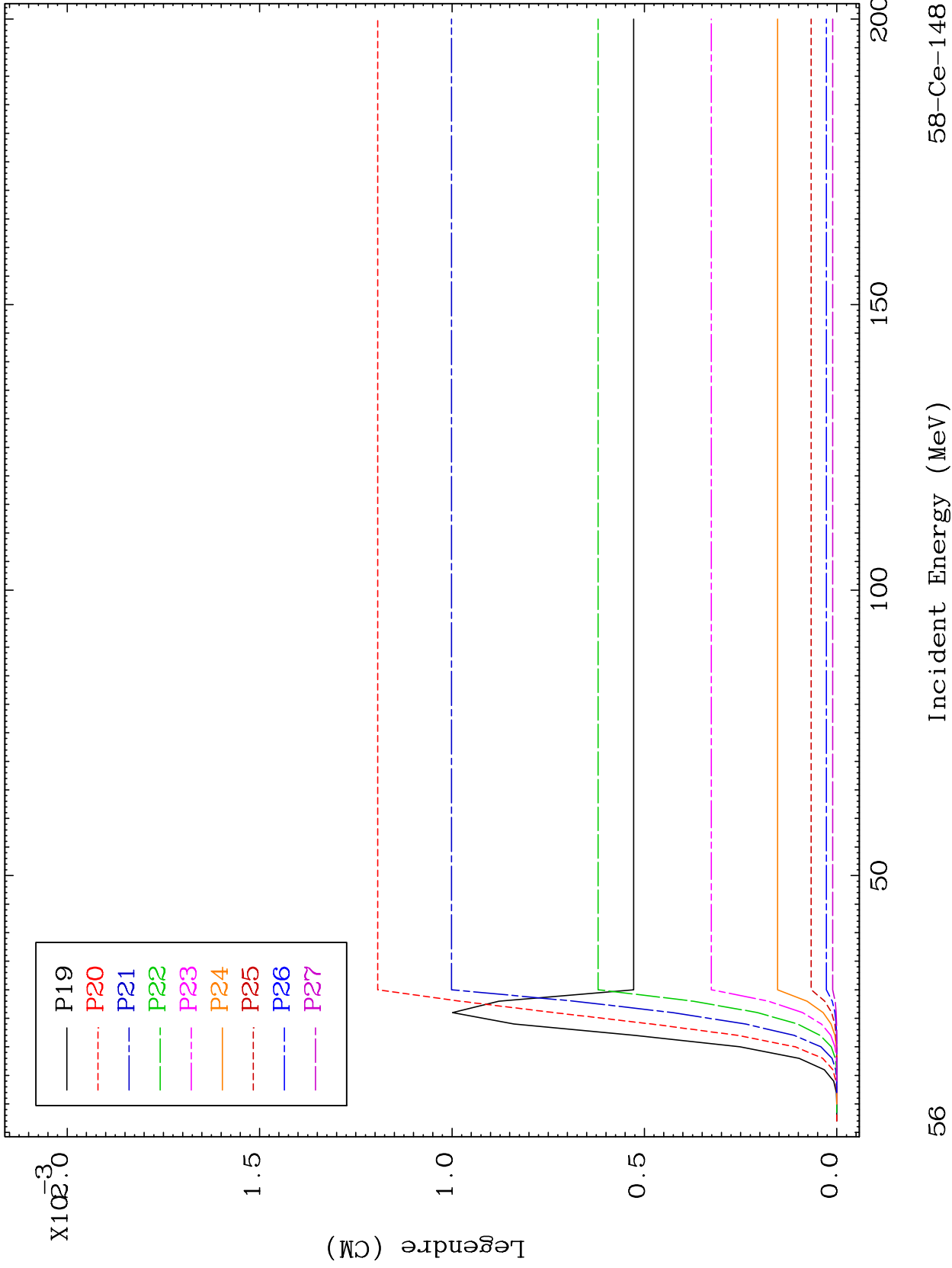
54



MAT 5861

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

58-Ce-148



56

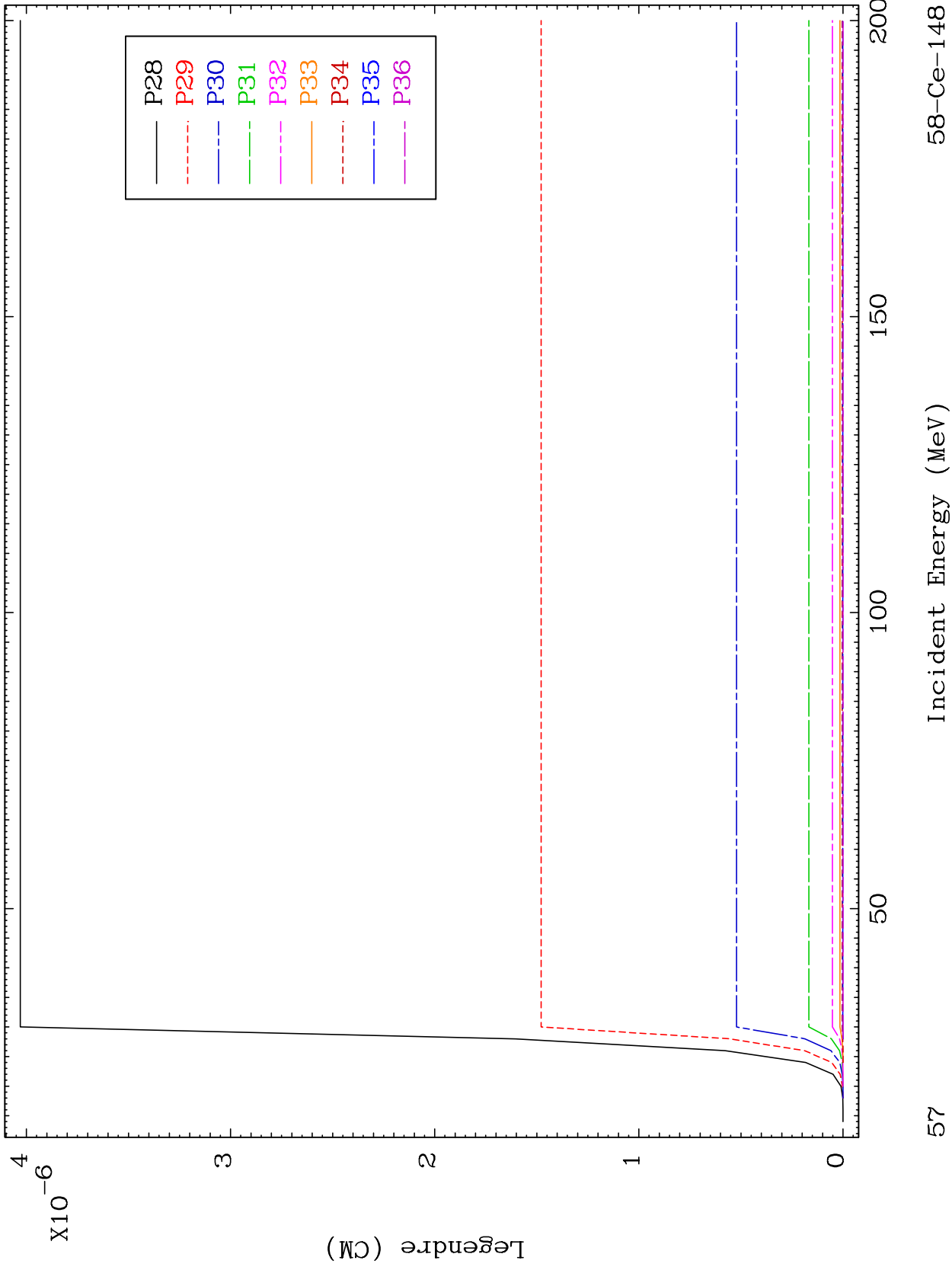
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

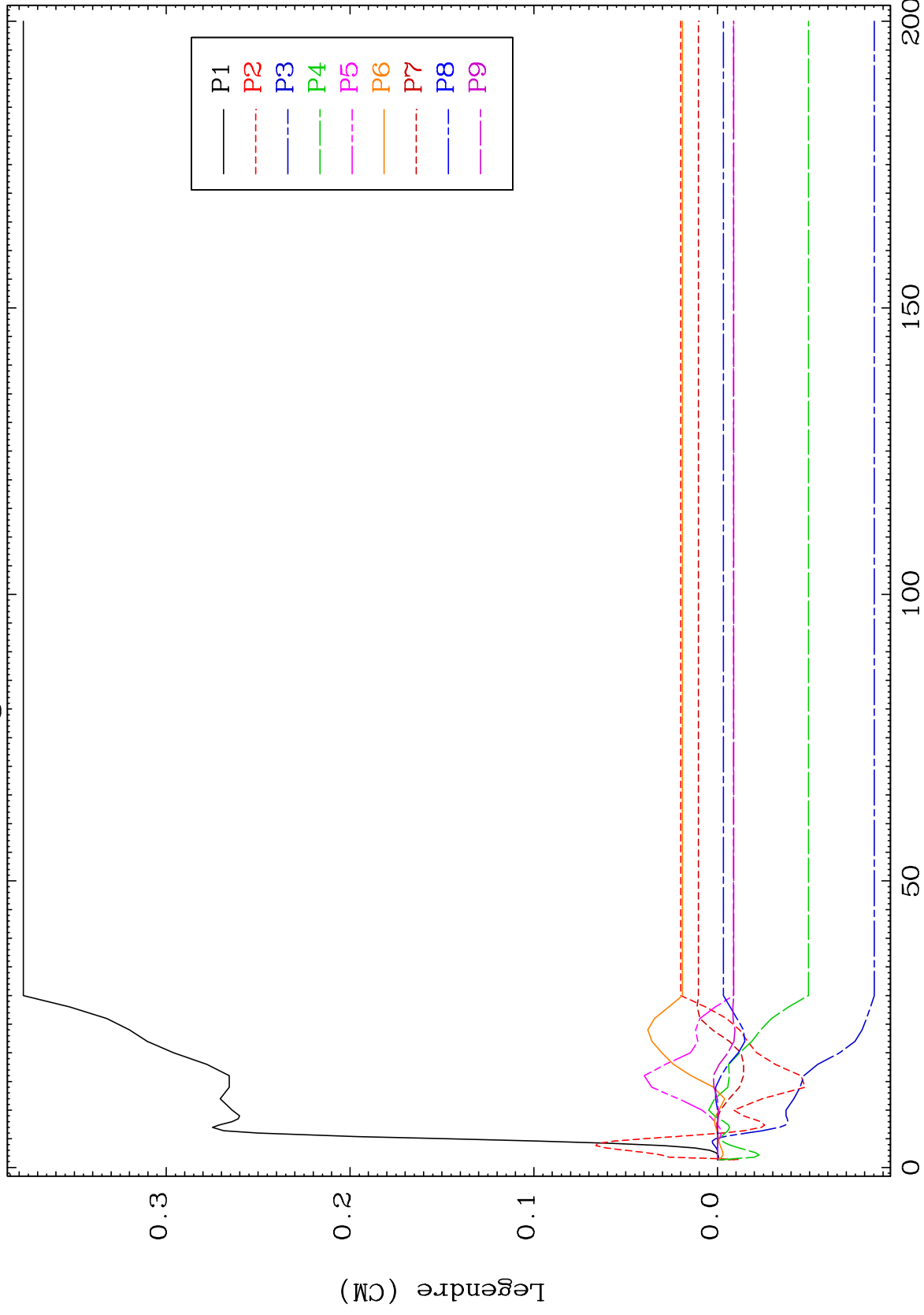
58-Ce-148



MAT 5861

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

58-Ce-148



58-Ce-148

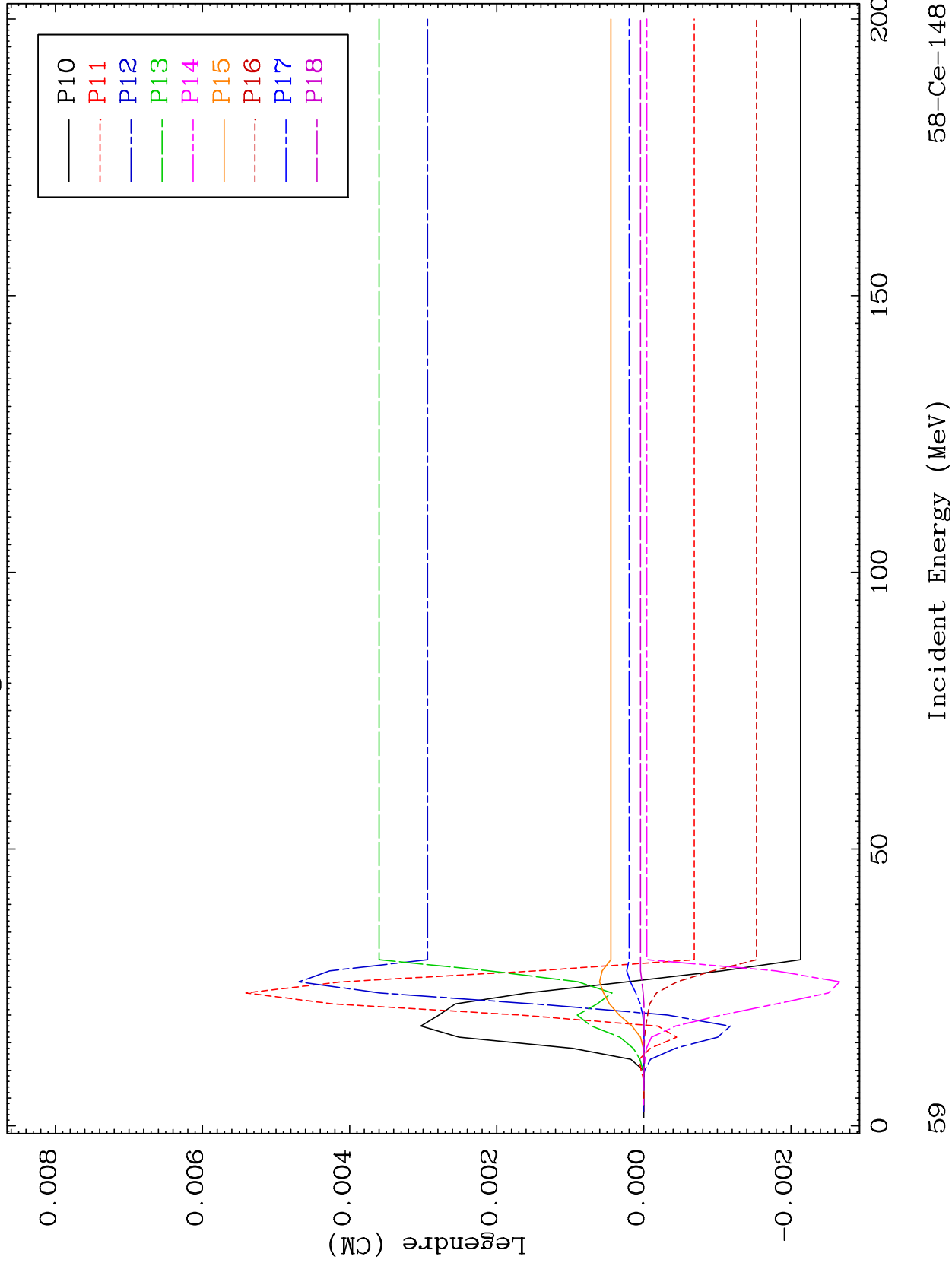
Incident Energy (MeV)

58

MAT 5861

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

58-Ce-148



58-Ce-148

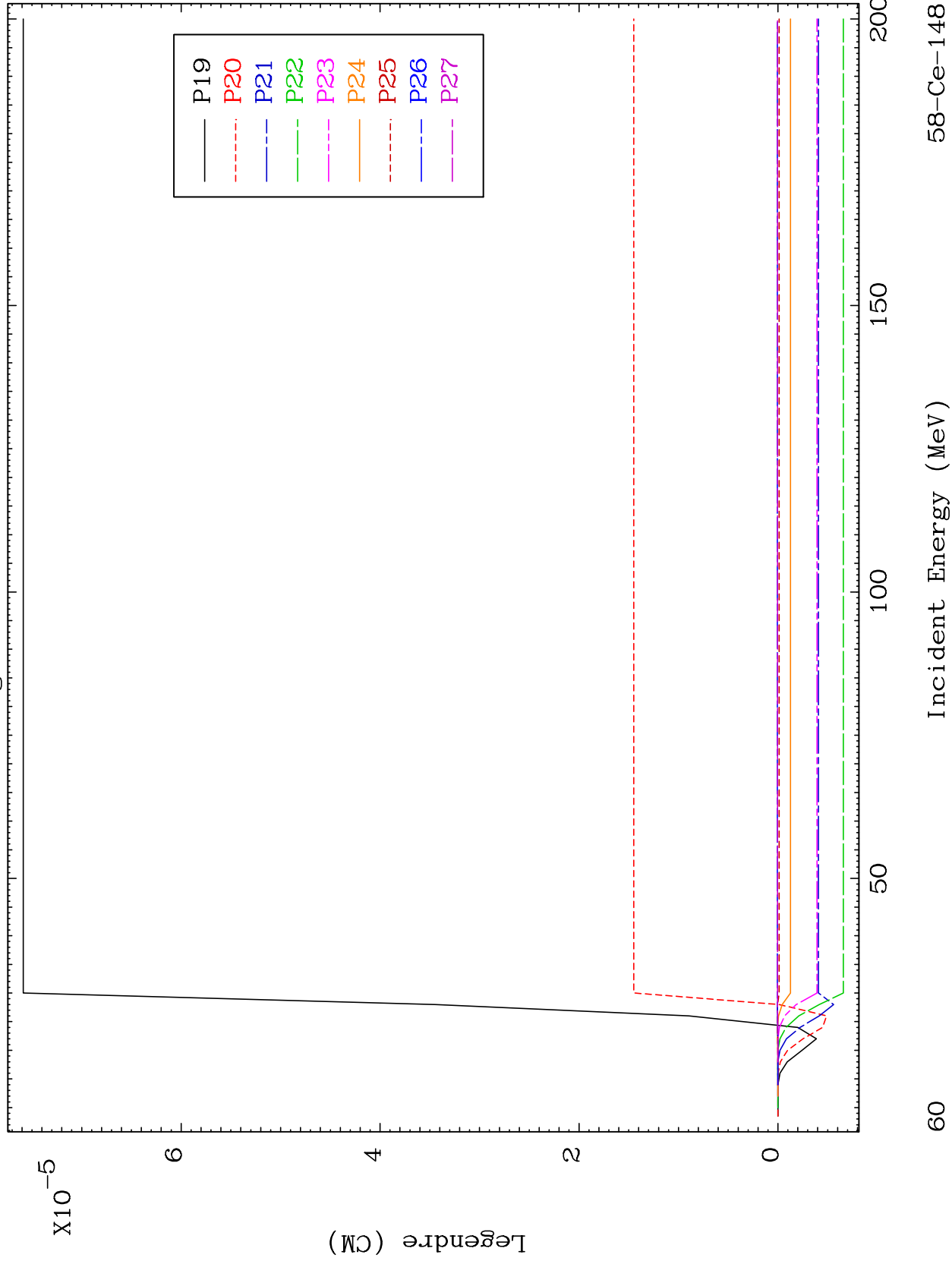
Incident Energy (MeV)

59

MAT 5861

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

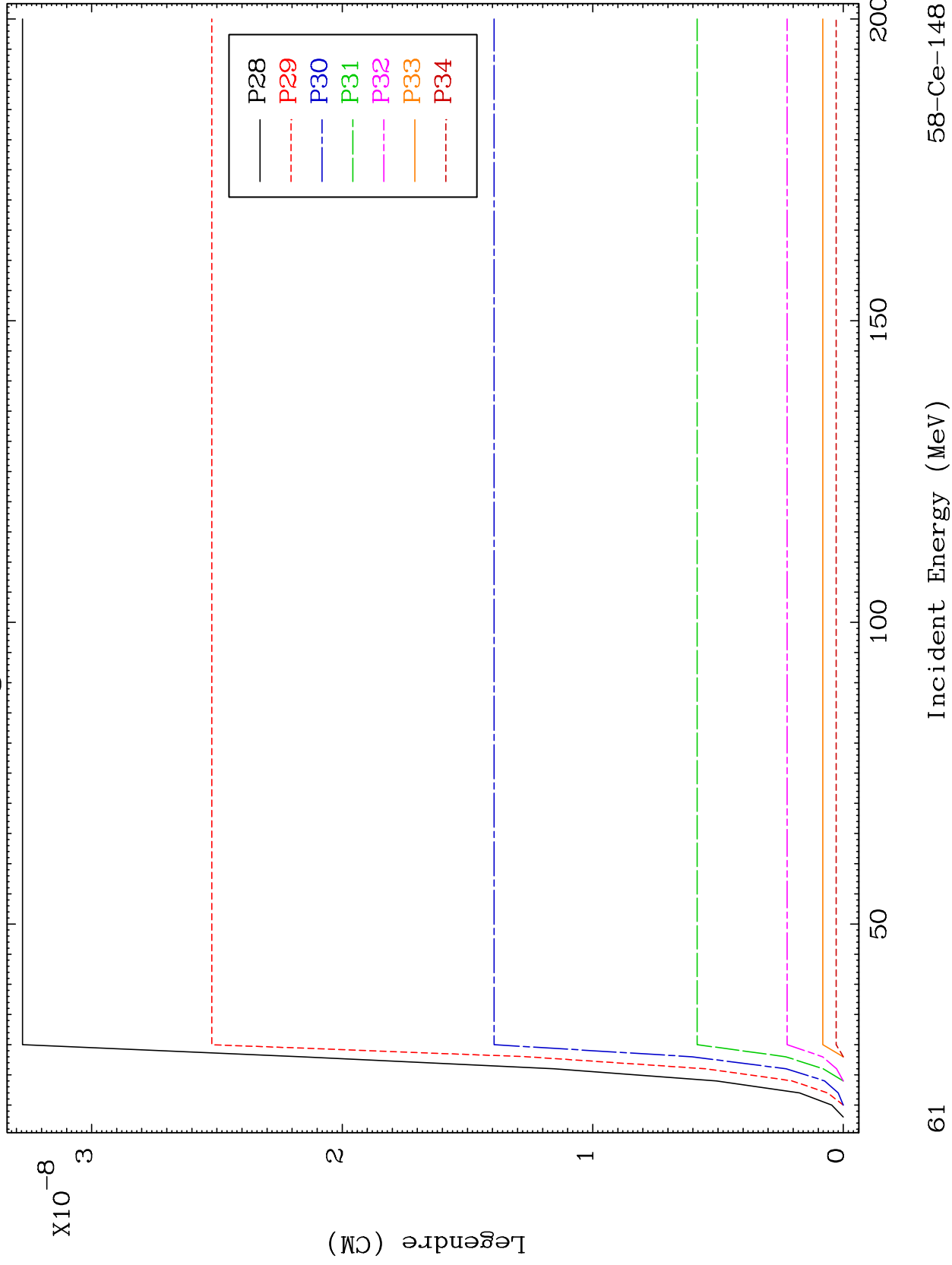
58-Ce-148



MAT 5861

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

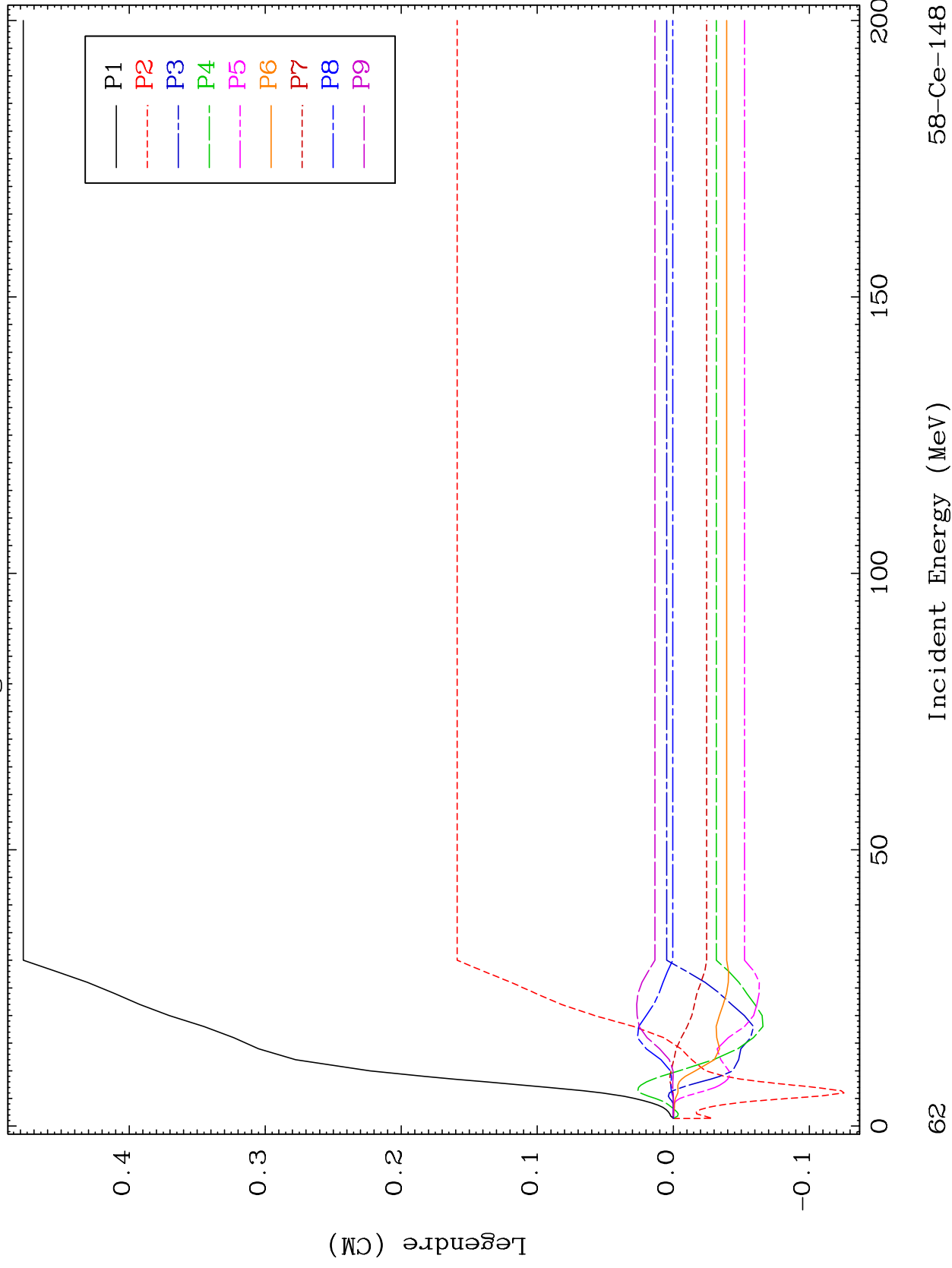
58-Ce-148



MAT 5861

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

58-Ce-148



58-Ce-148

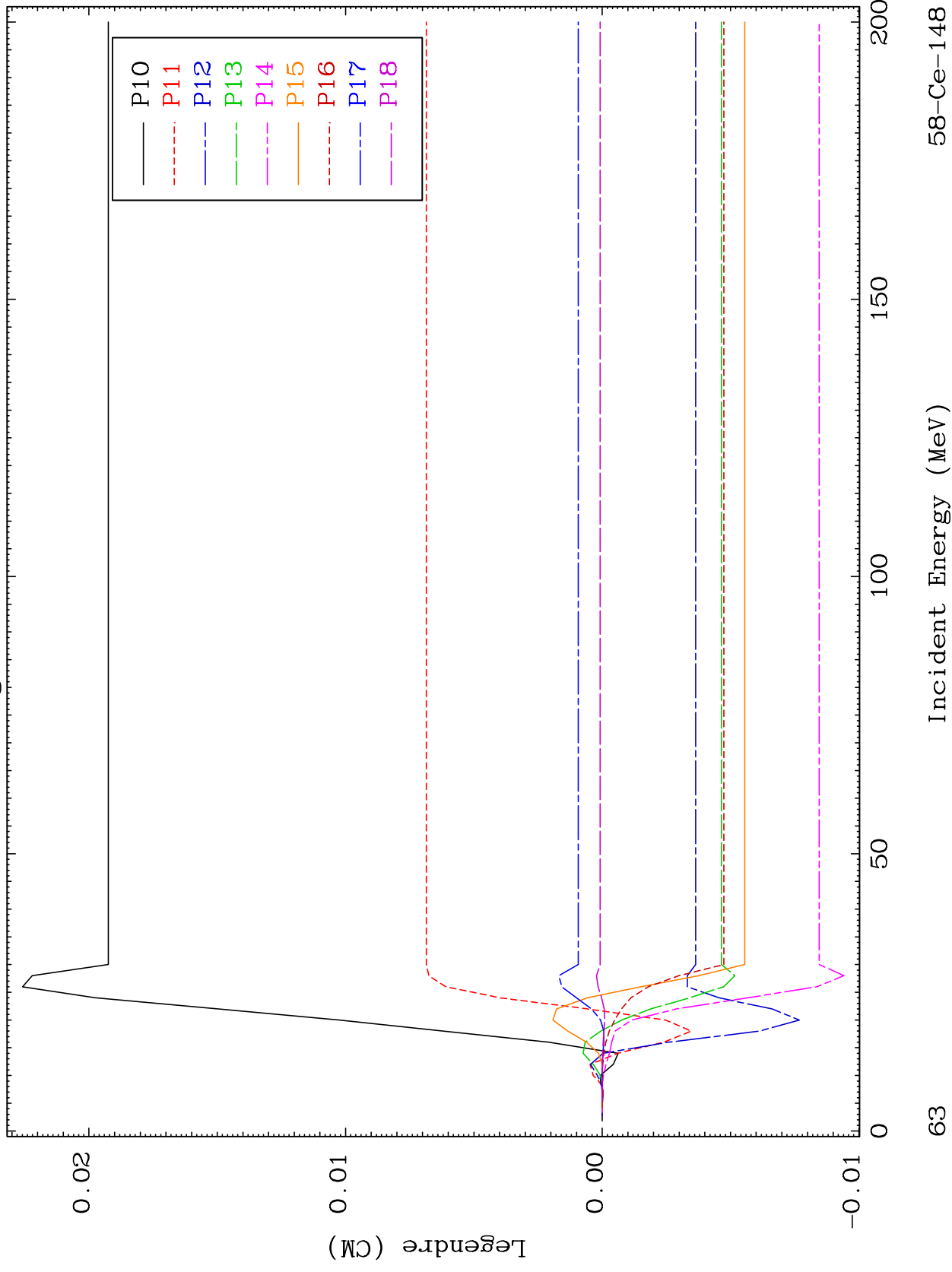
Incident Energy (MeV)

62

MAT 5861

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

58-Ce-148



58-Ce-148

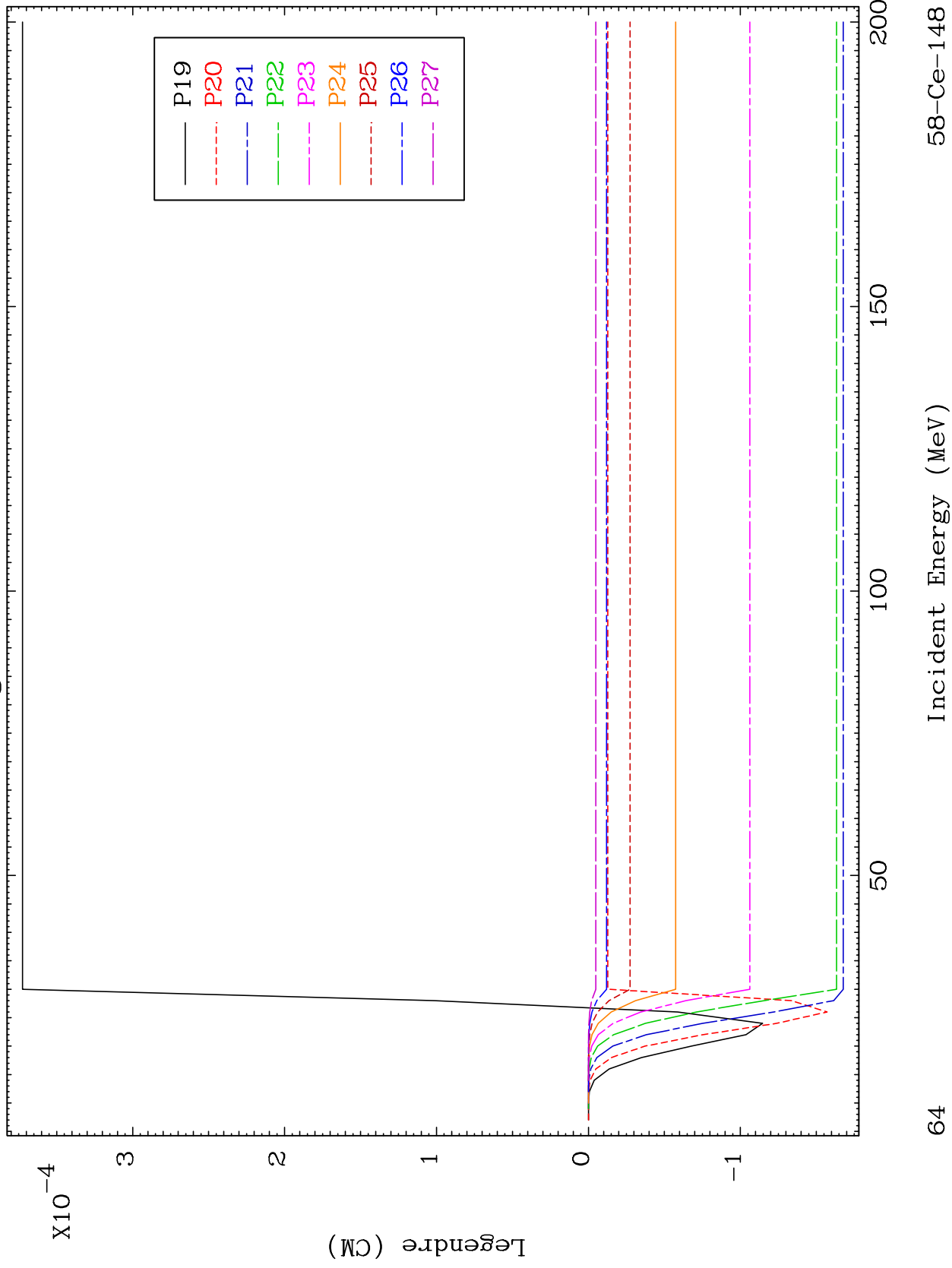
Incident Energy (MeV)

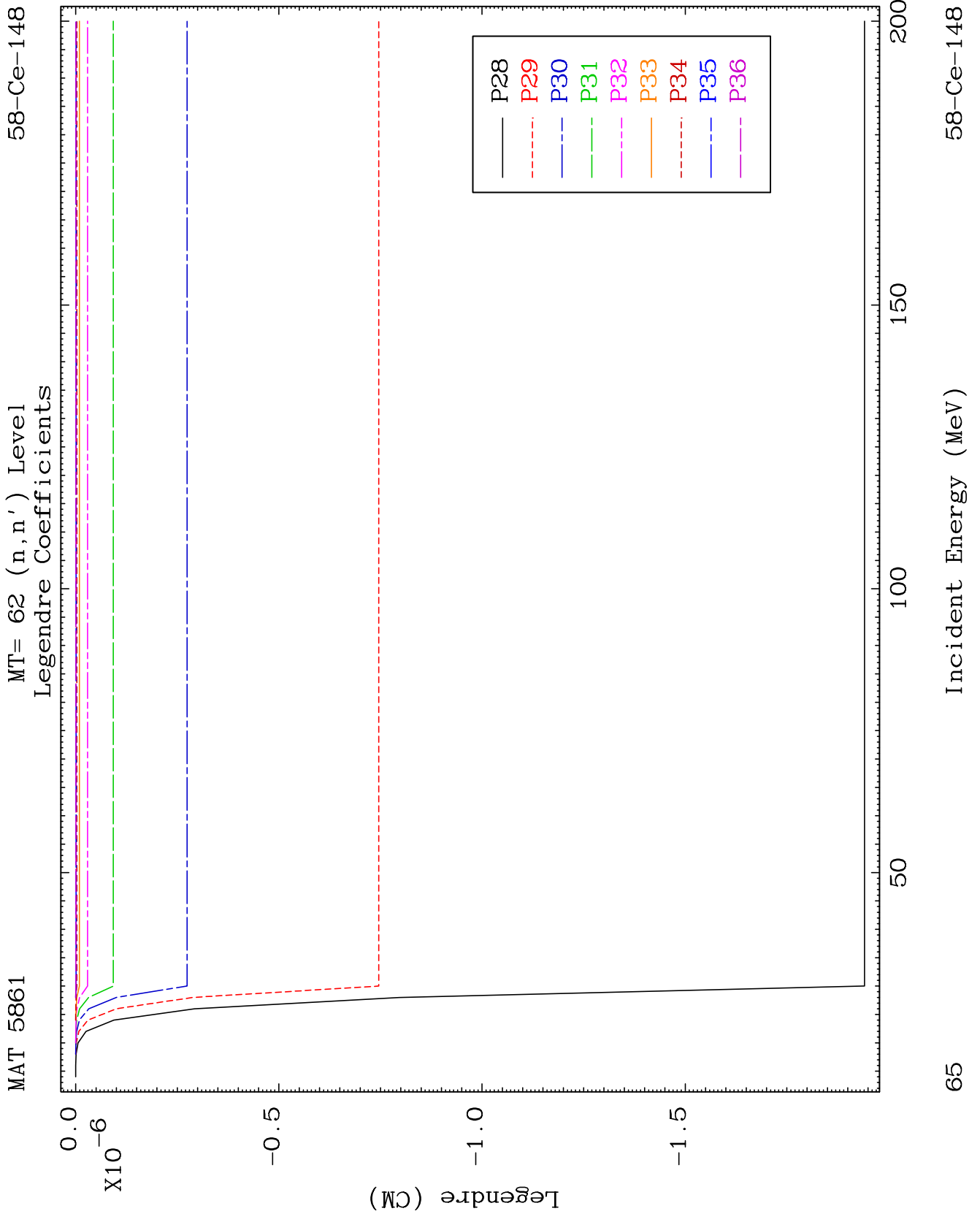
63

MAT 5861

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

58-Ce-148

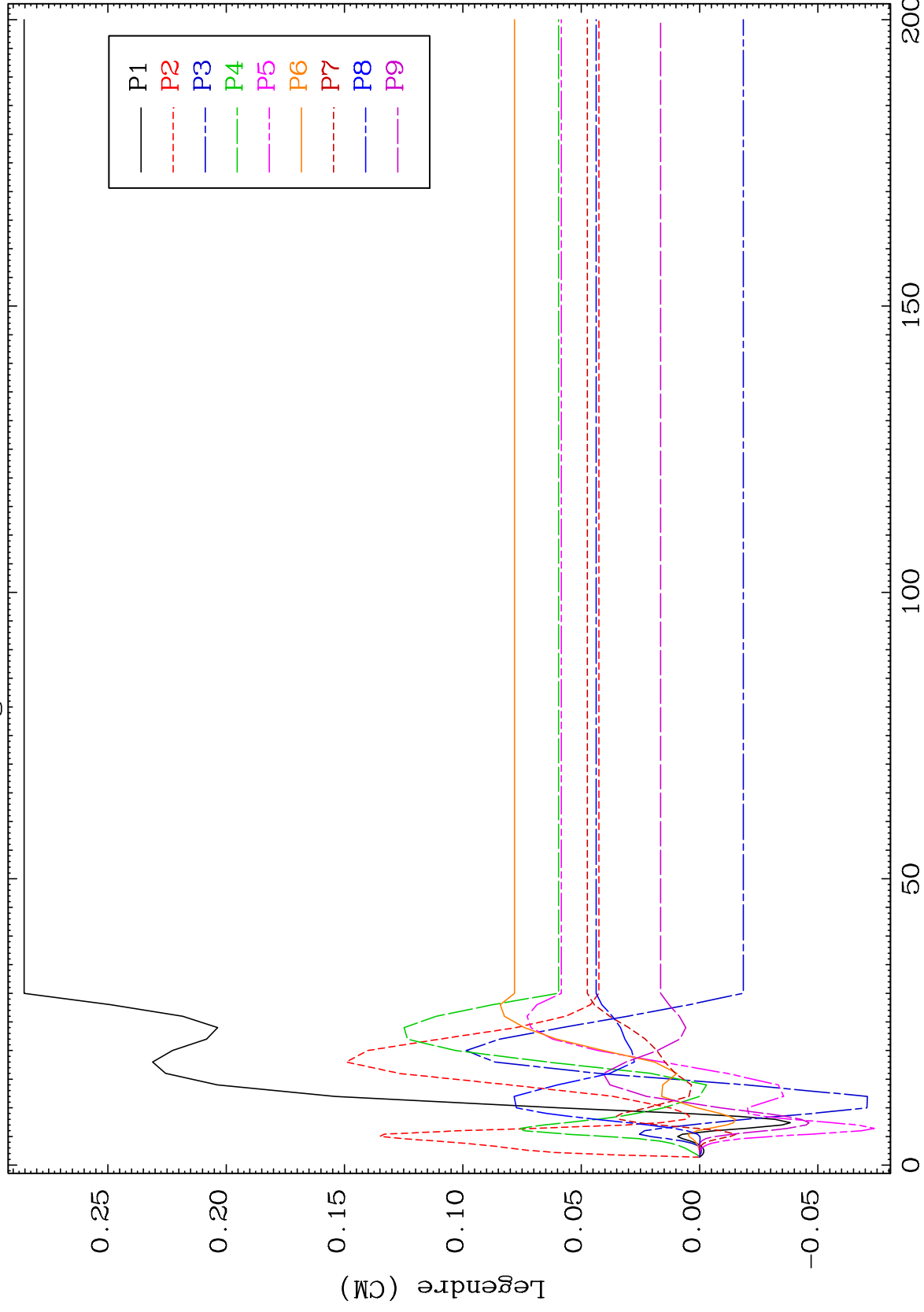




MAT 5861

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

58-Ce-148



66

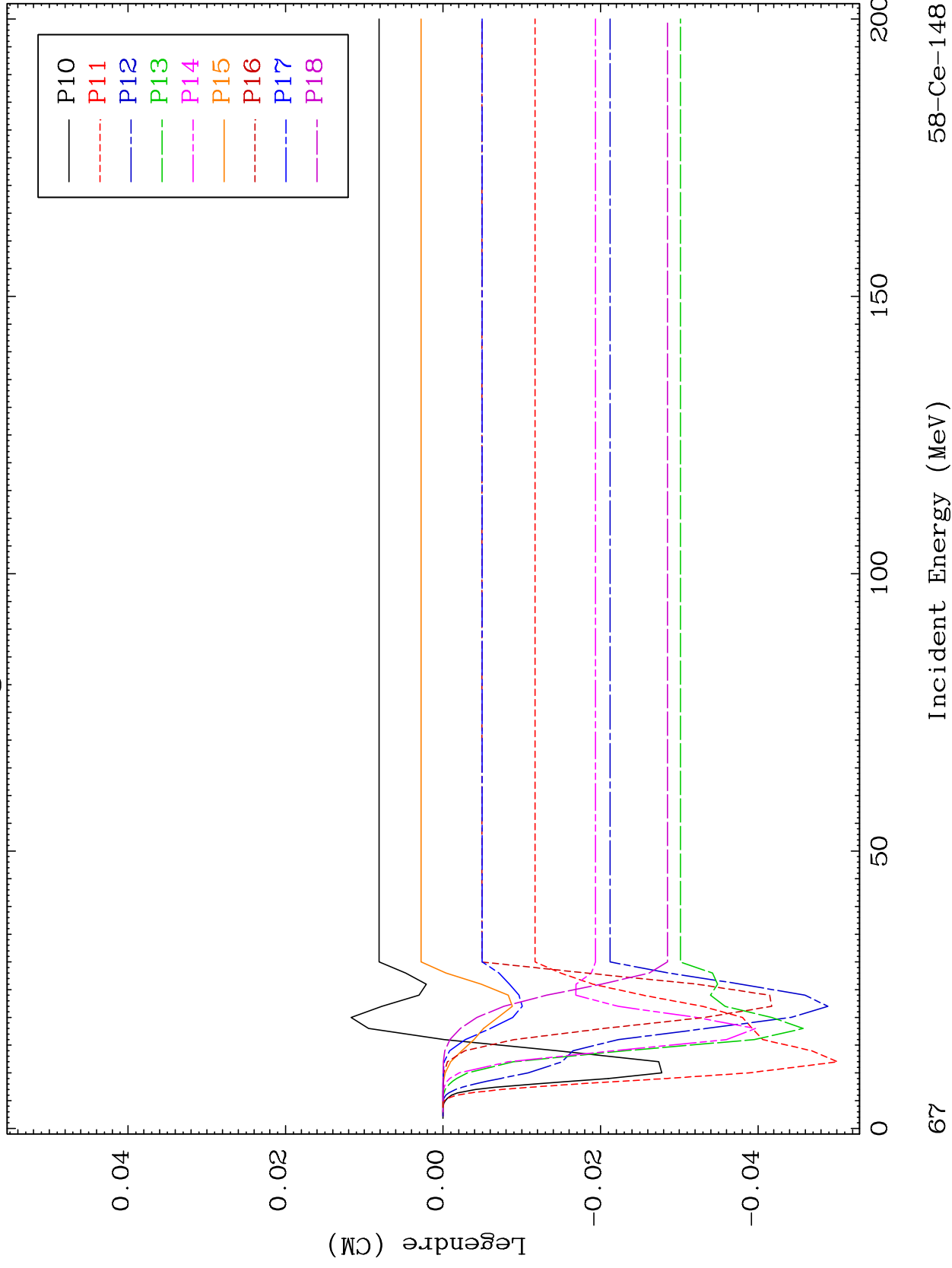
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

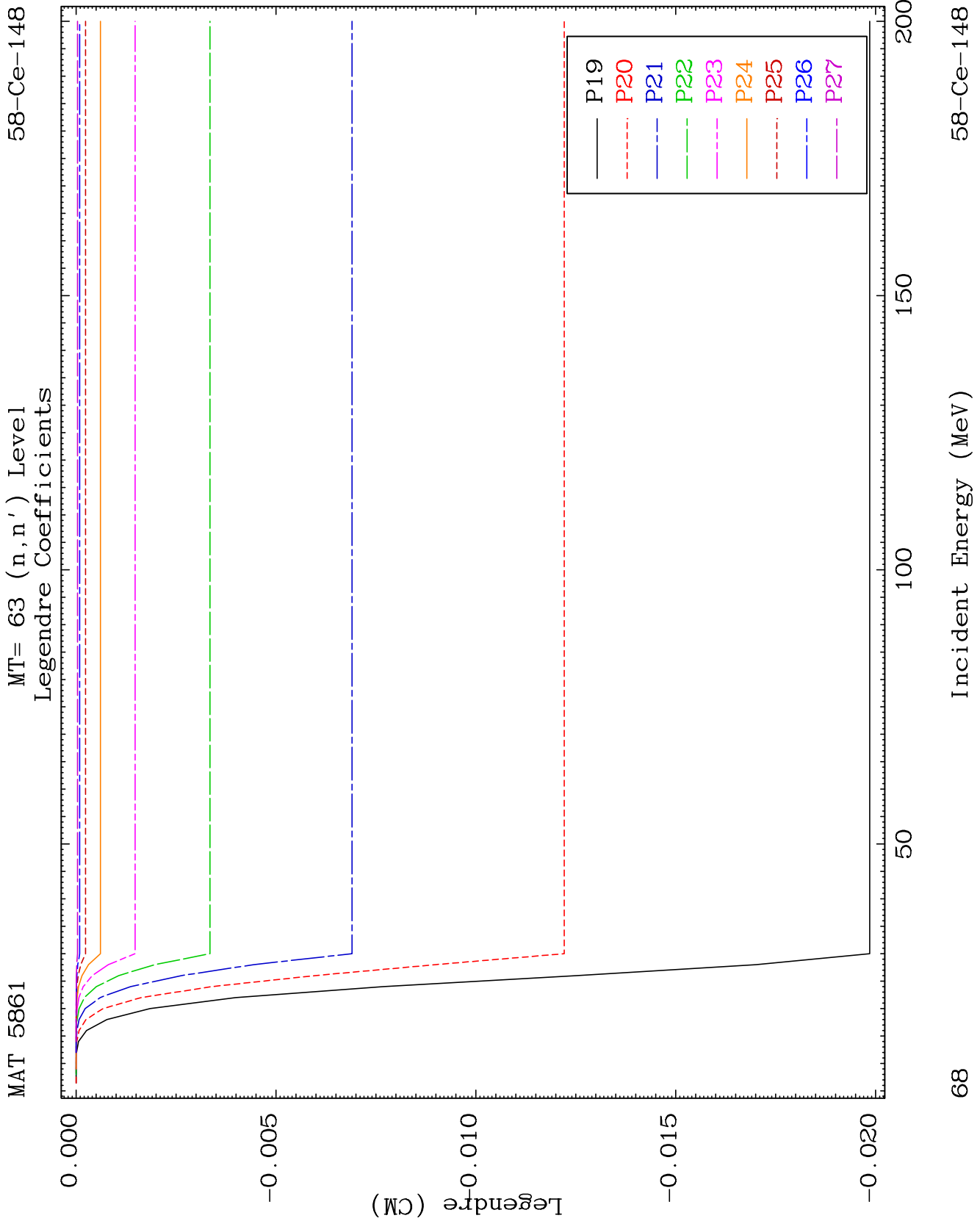
58-Ce-148

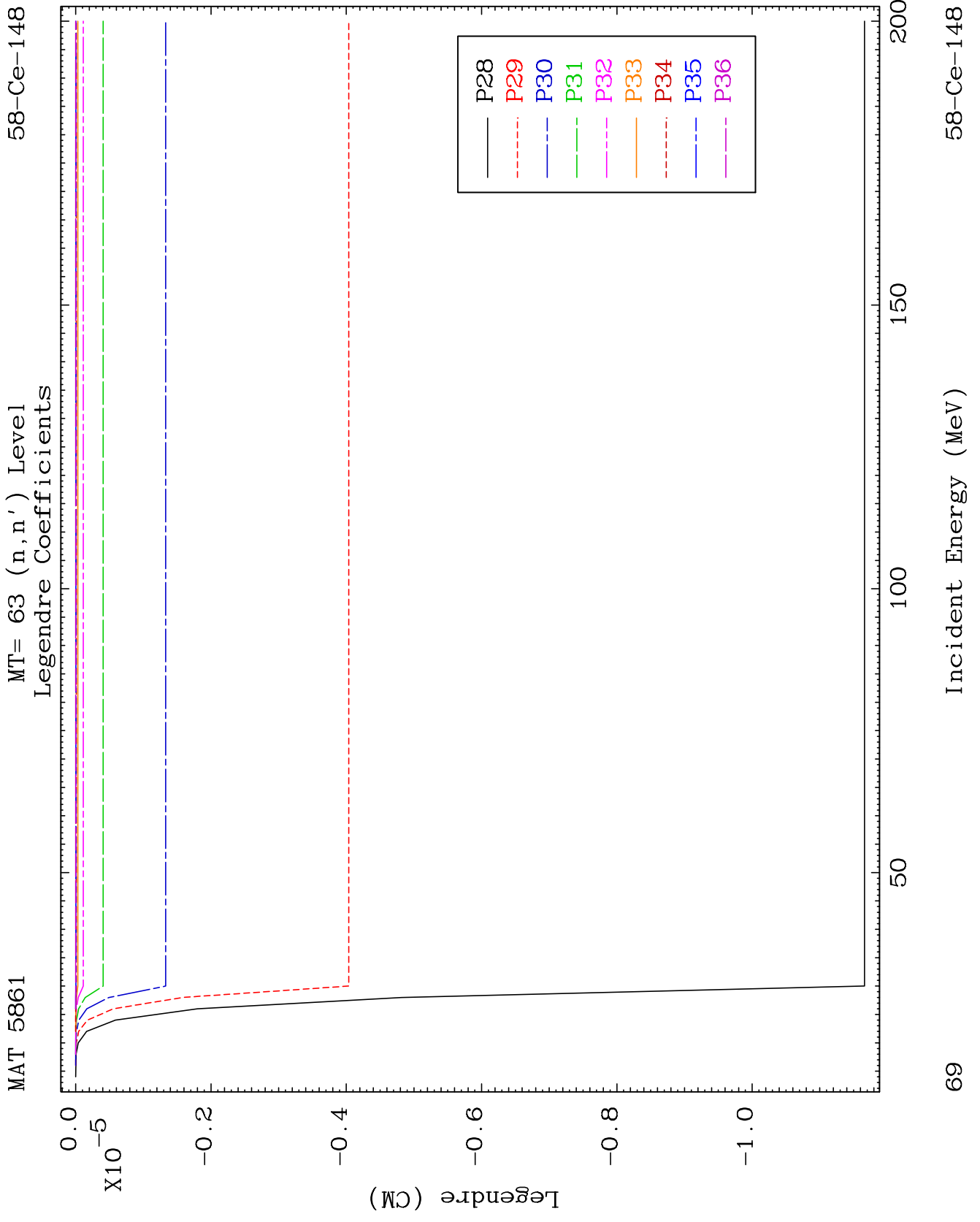


58-Ce-148

Incident Energy (MeV)

67

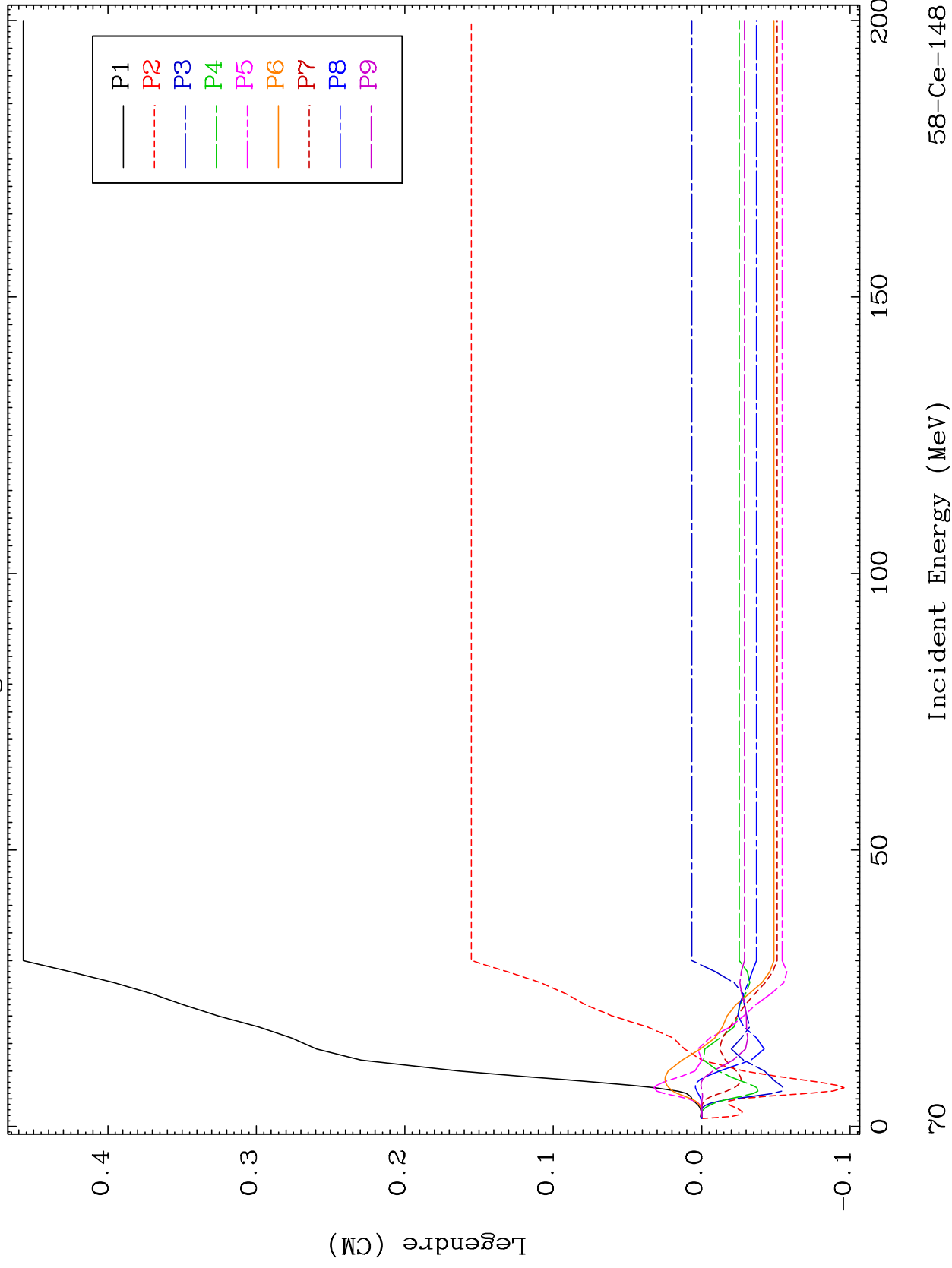




MAT 5861

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

58-Ce-148



58-Ce-148

Incident Energy (MeV)

70

0

50

100

150

200

Legendre (CM)

0.4

0.3

0.2

0.1

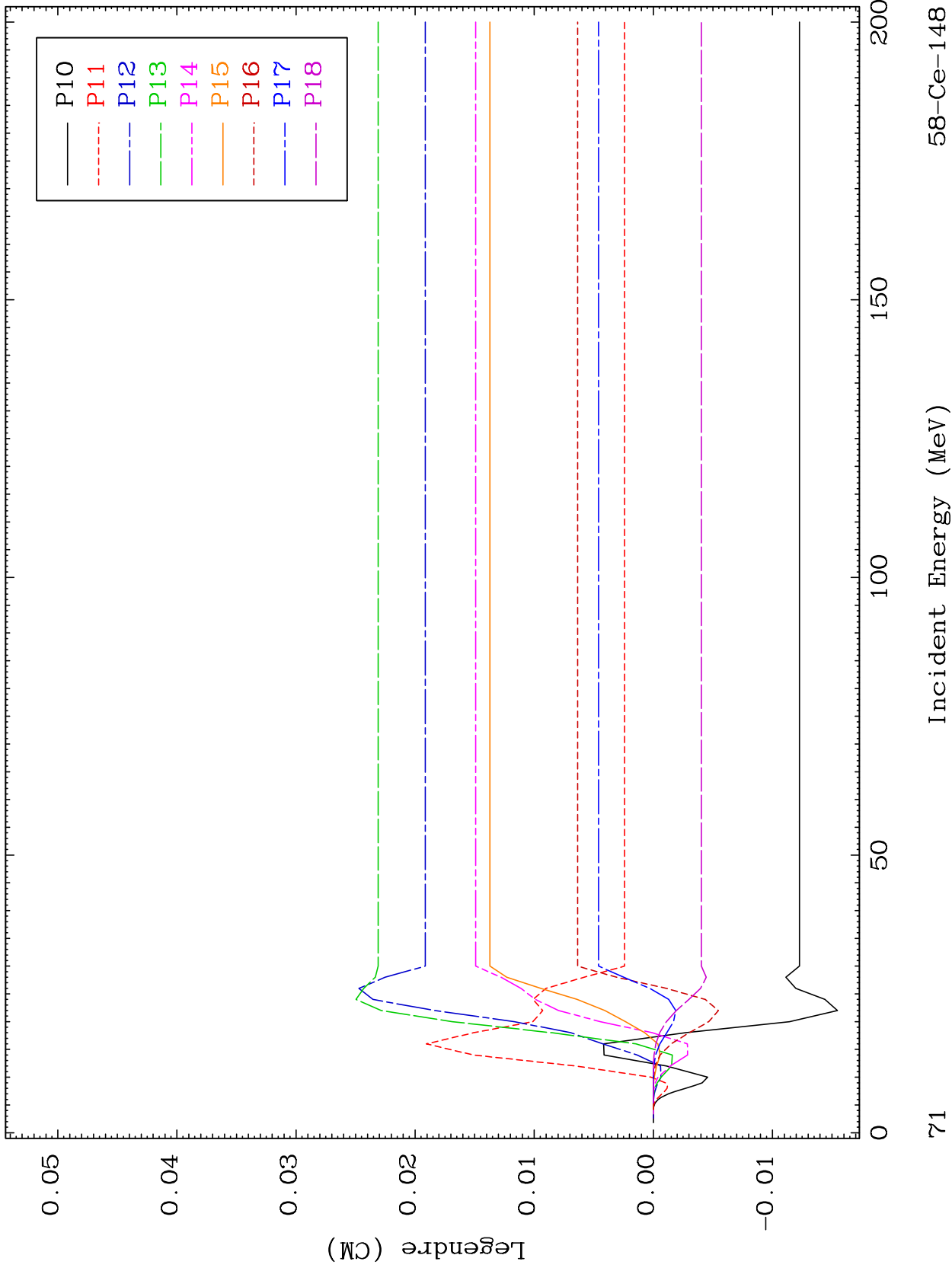
0.0

-0.1

MAT 5861

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

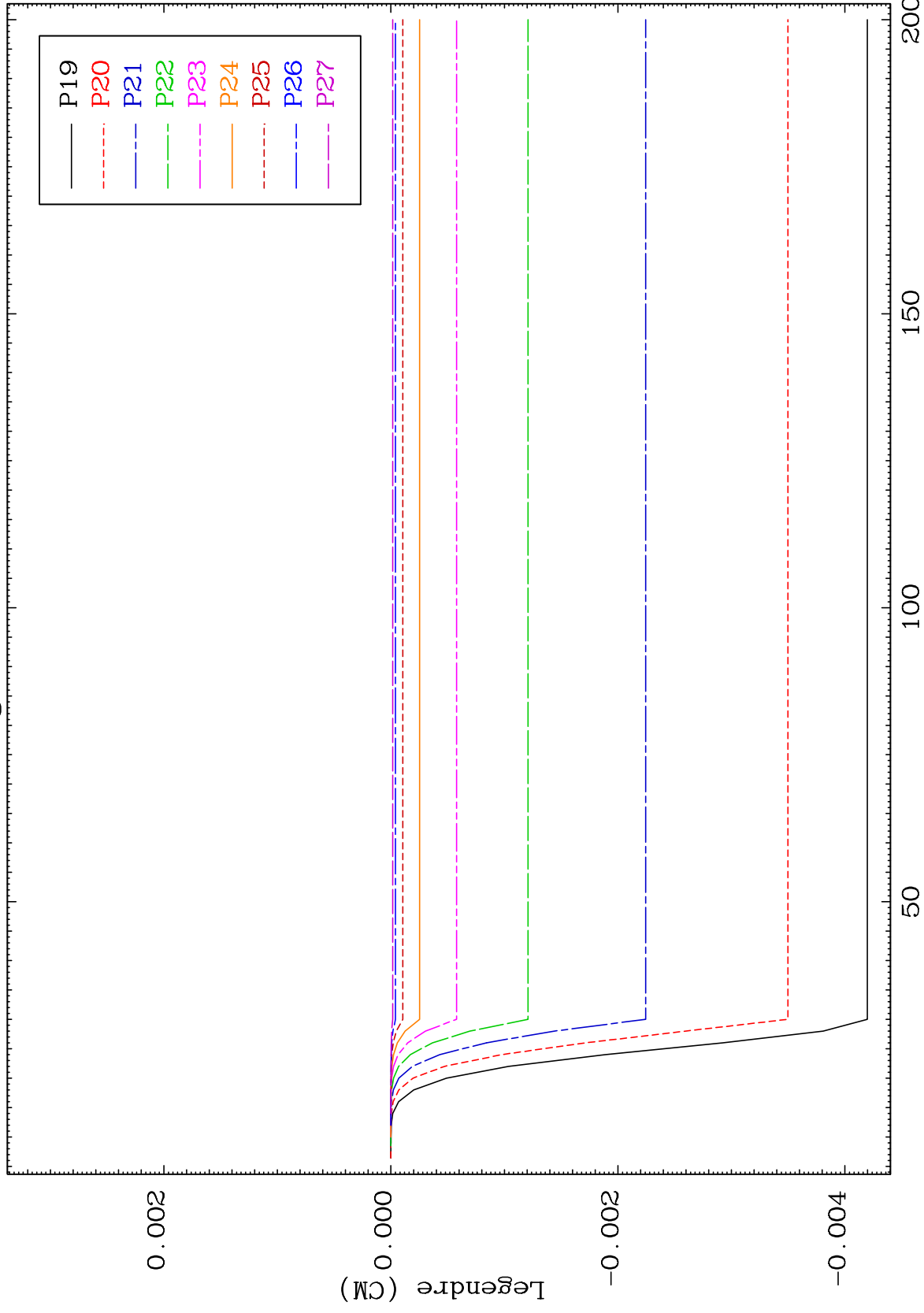
58-Ce-148



MAT 5861

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

58-Ce-148



72

Incident Energy (MeV)

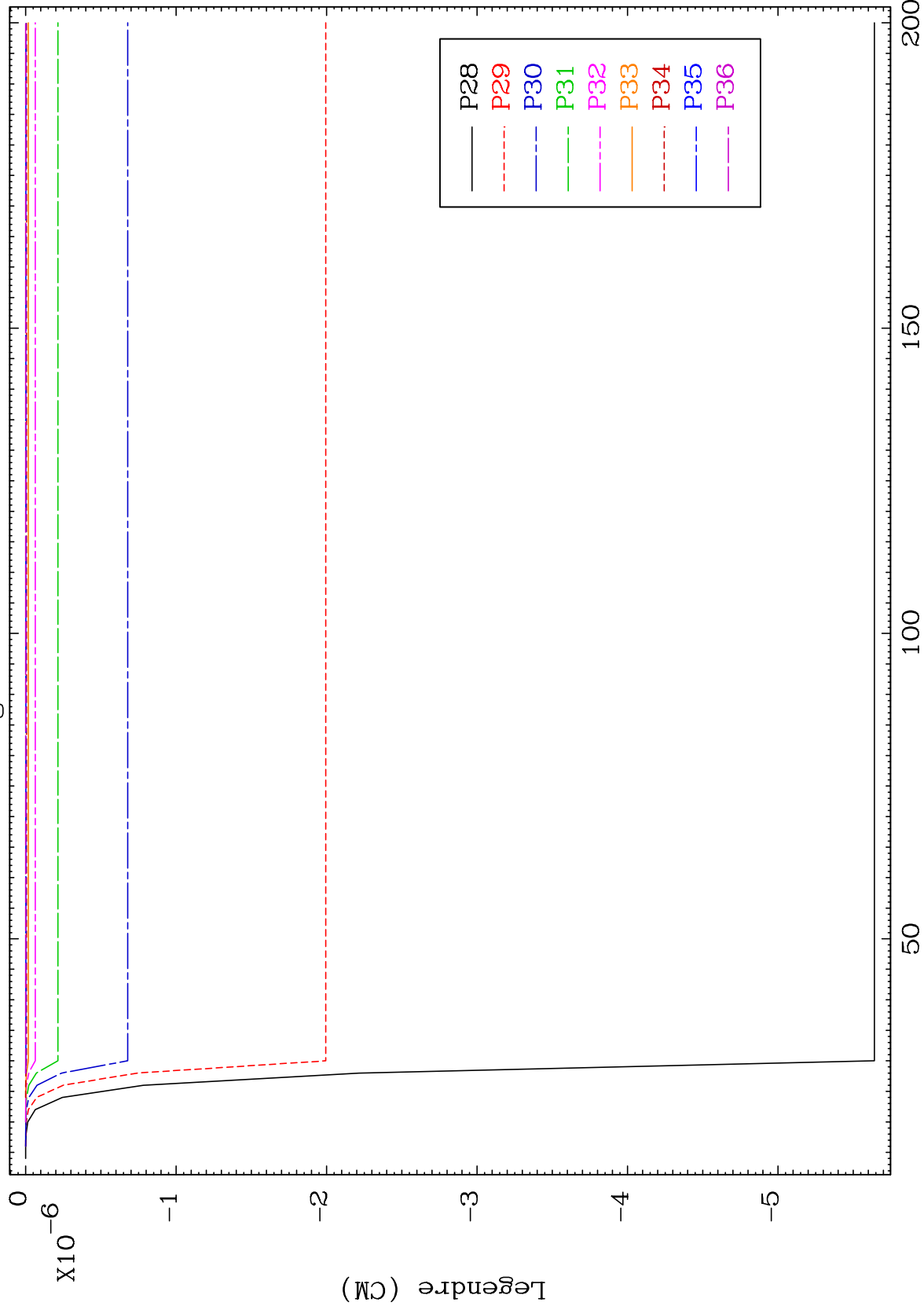
58-Ce-148

MAT 5861

MT= 64 (n,n') Level

58-Ce-148

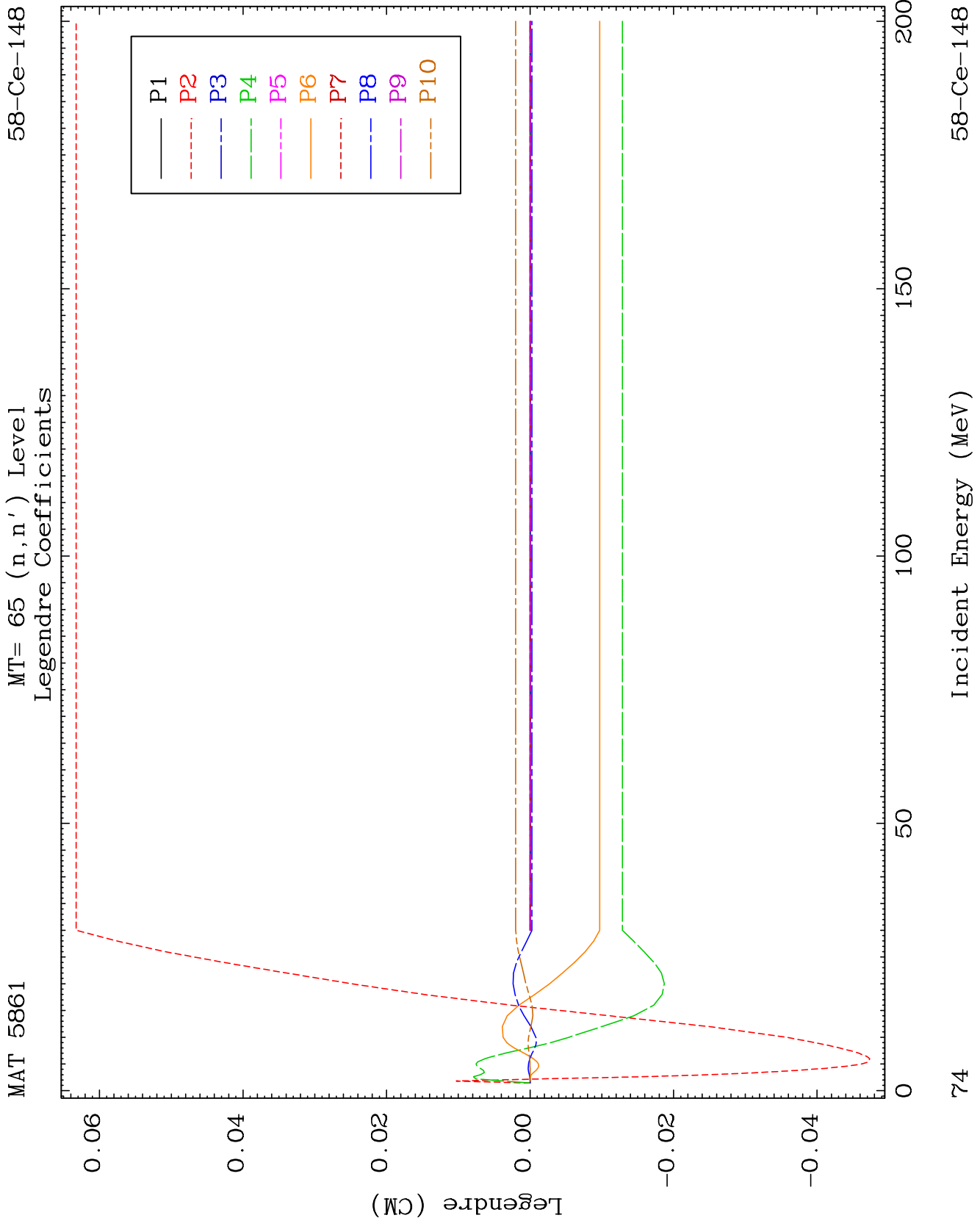
Legendre Coefficients



73

Incident Energy (MeV)

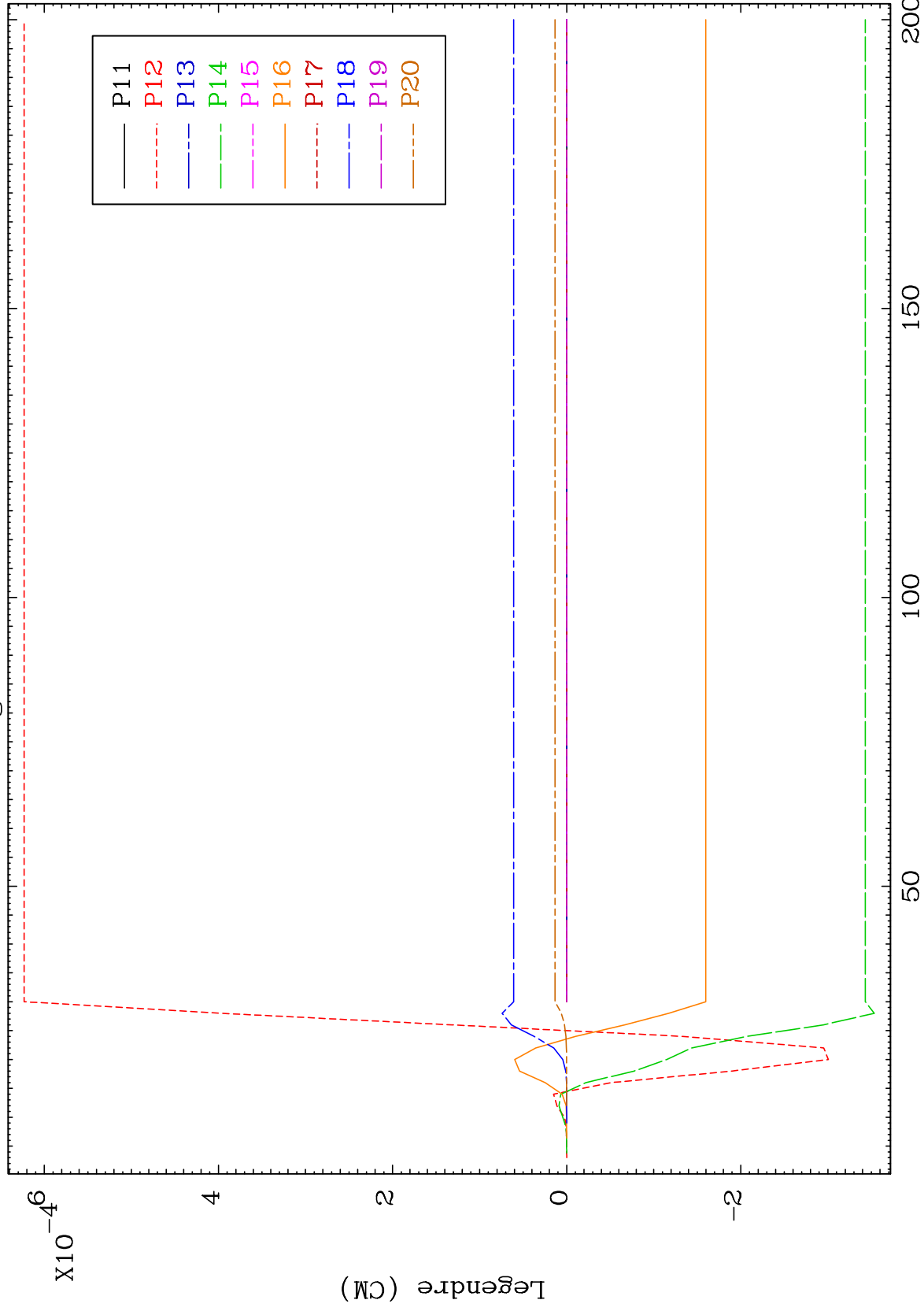
58-Ce-148



MAT 5861

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

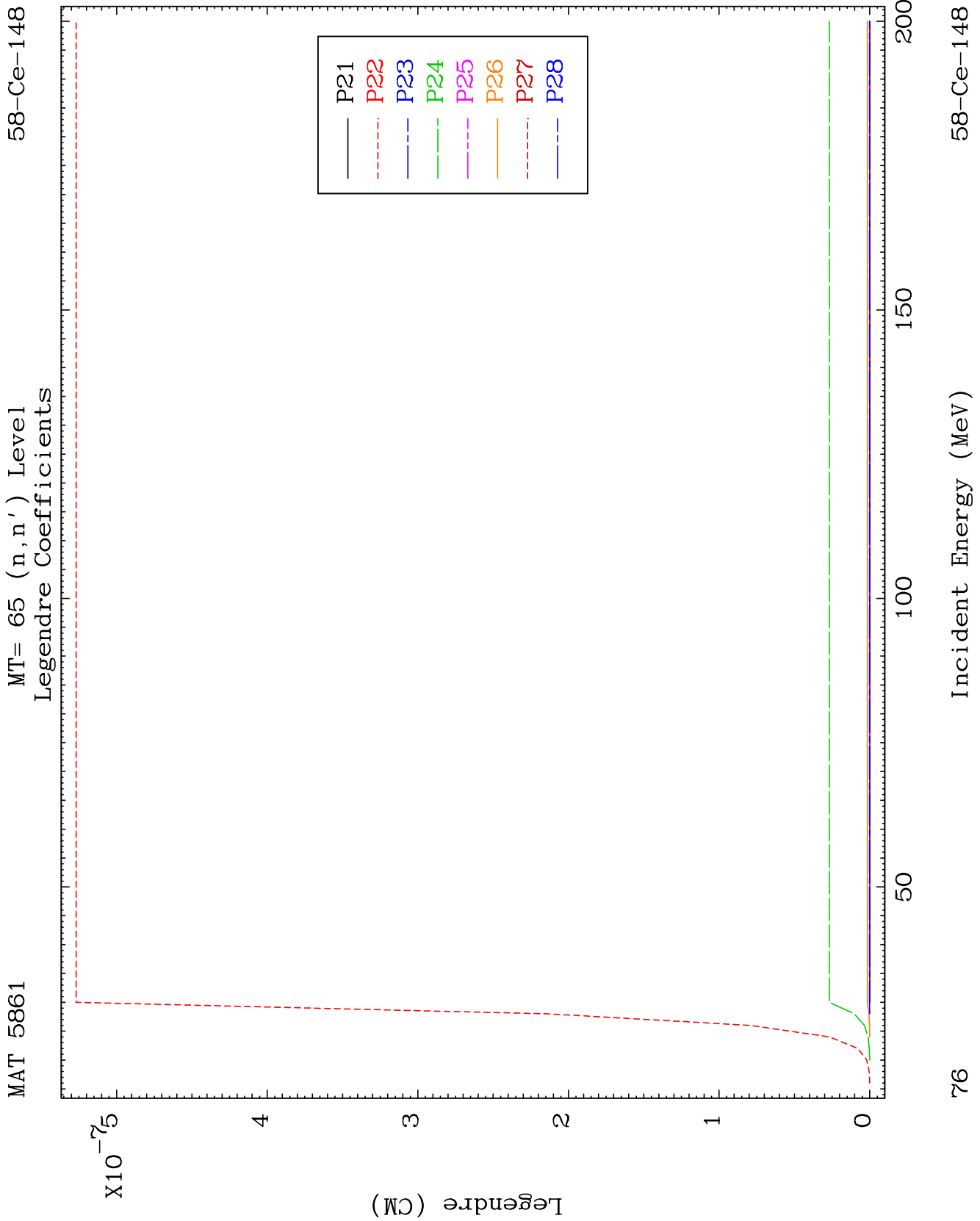
58-Ce-148



75

Incident Energy (MeV)

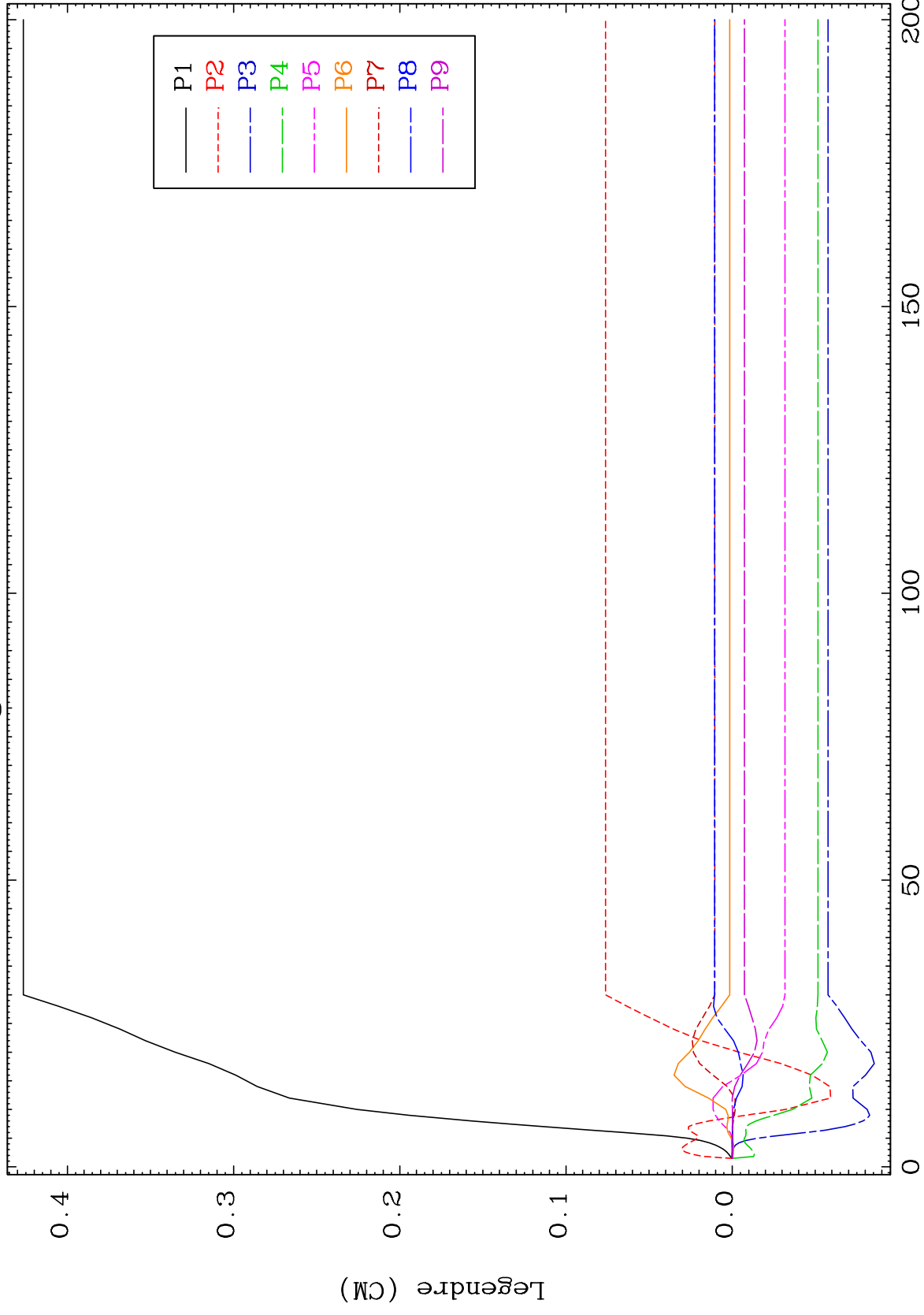
58-Ce-148



MAT 5861

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

58-Ce-148



77

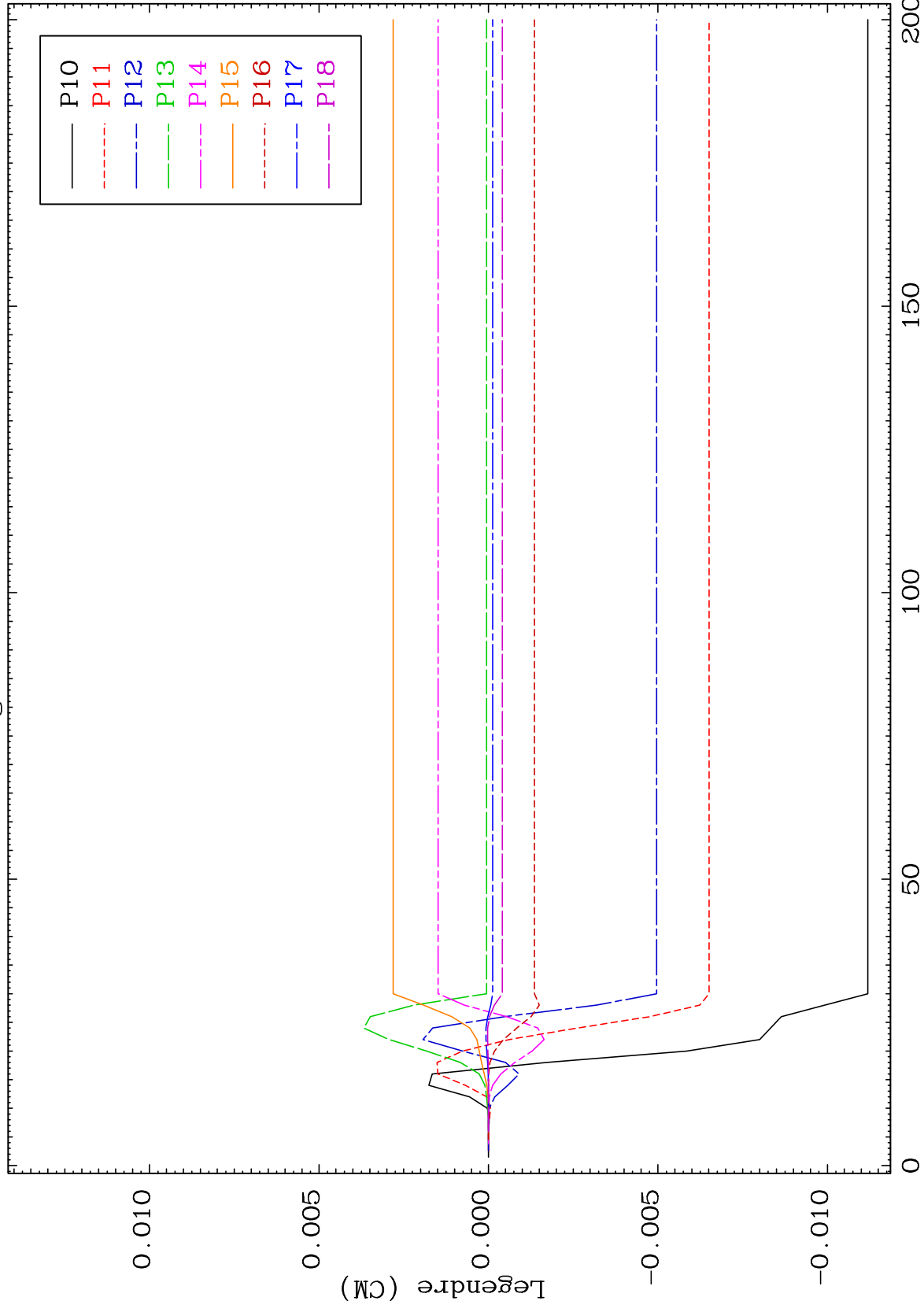
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



78

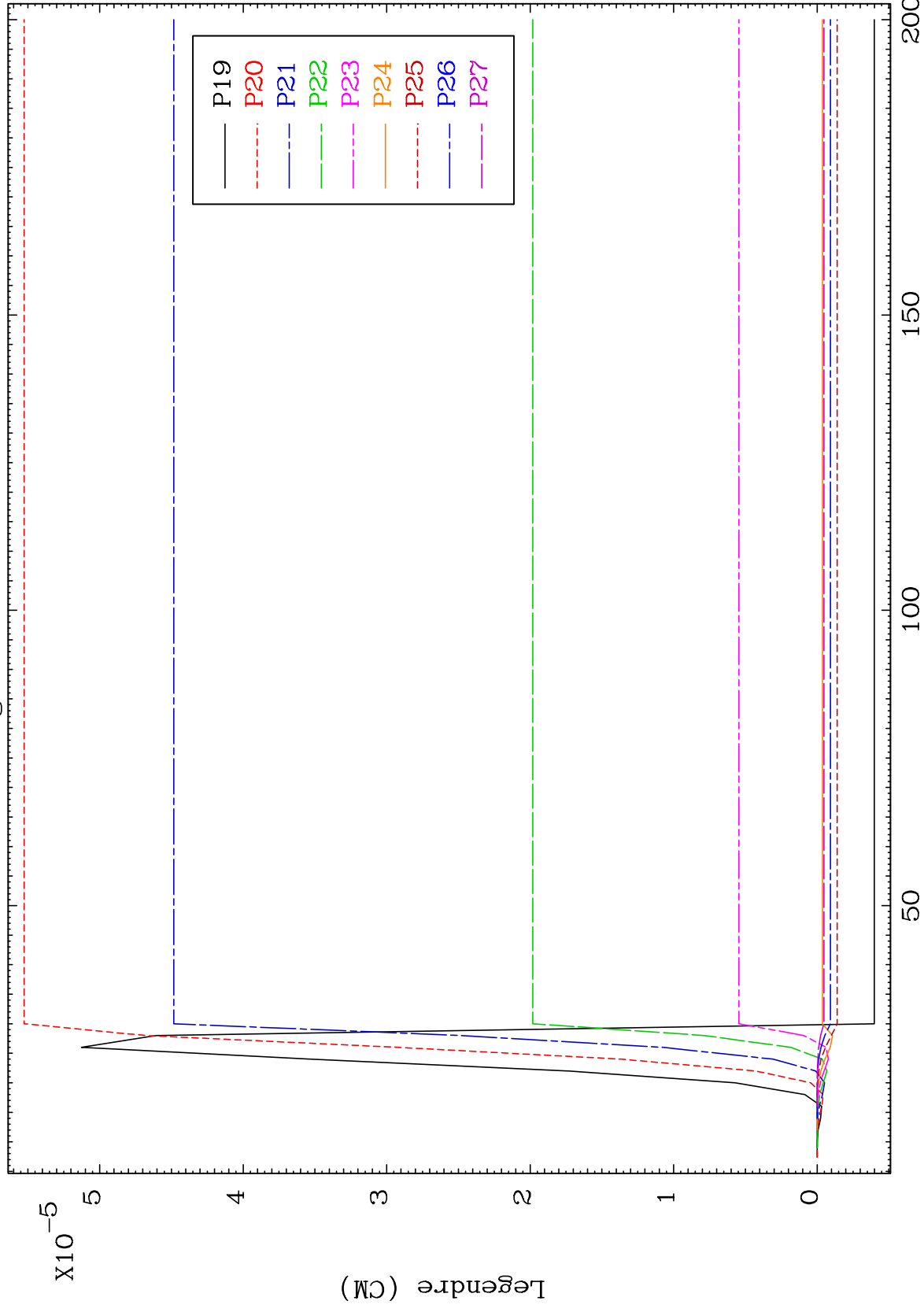
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

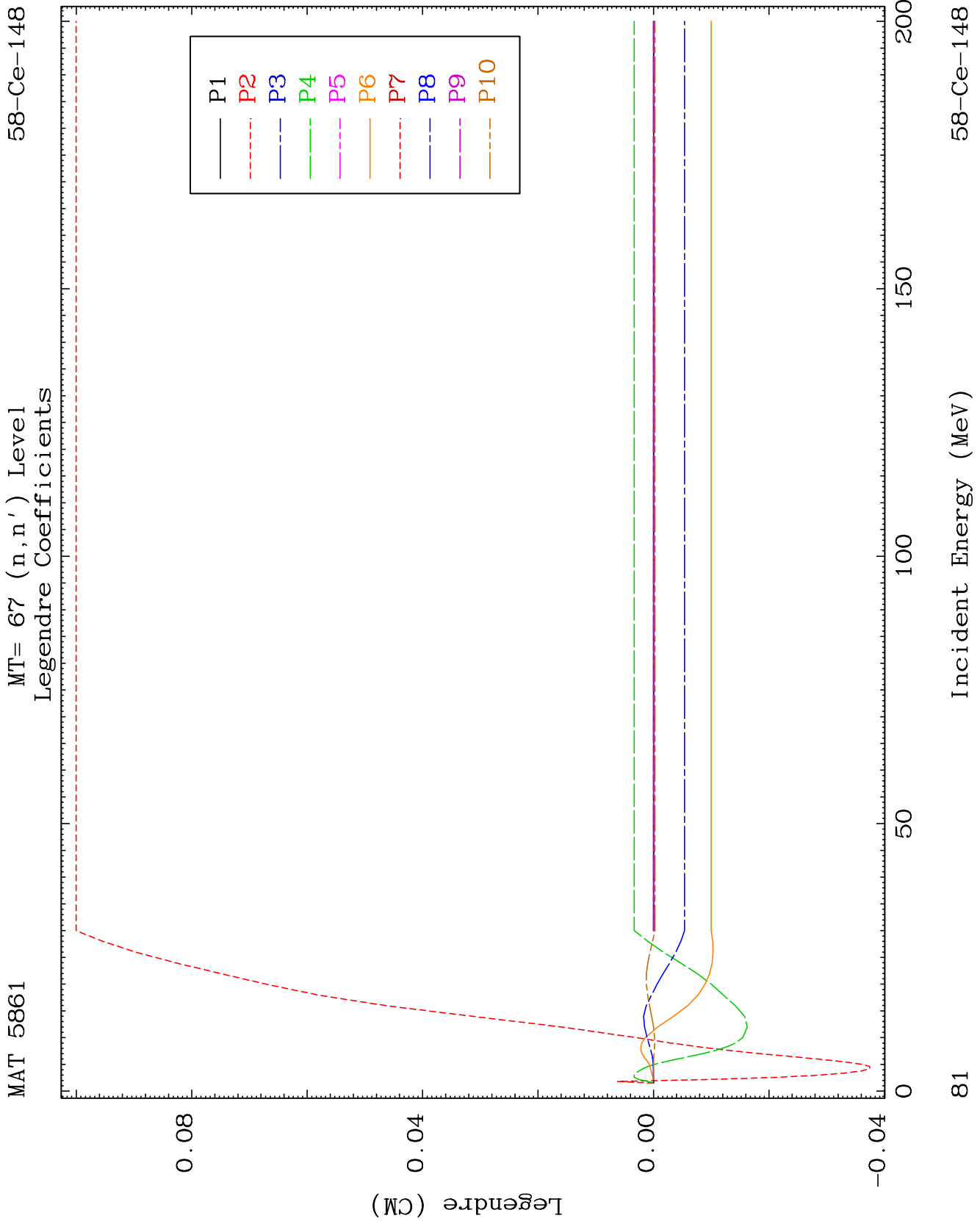
58-Ce-148



79

Incident Energy (MeV)

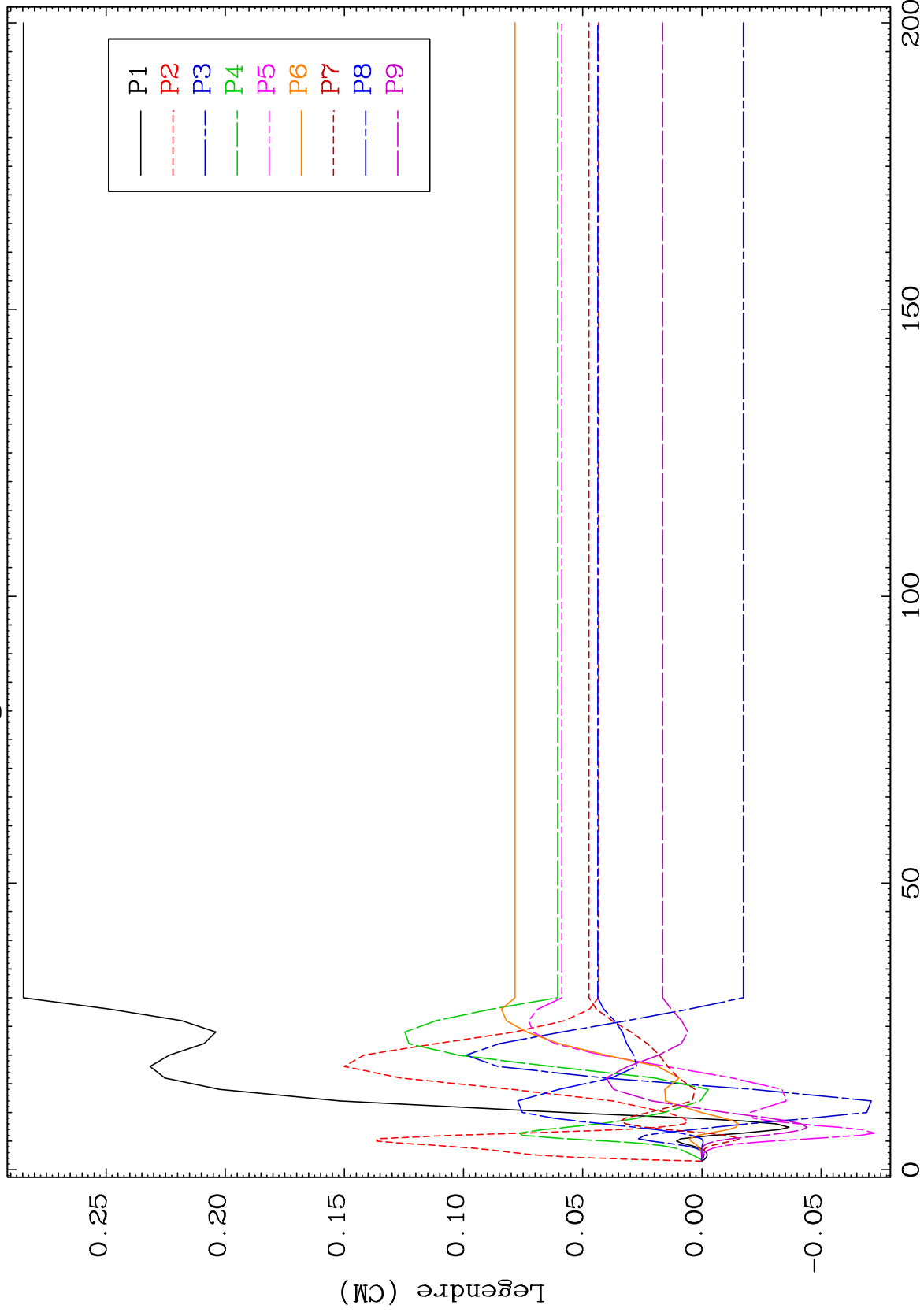
58-Ce-148



MAT 5861

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

58-Ce-148



84

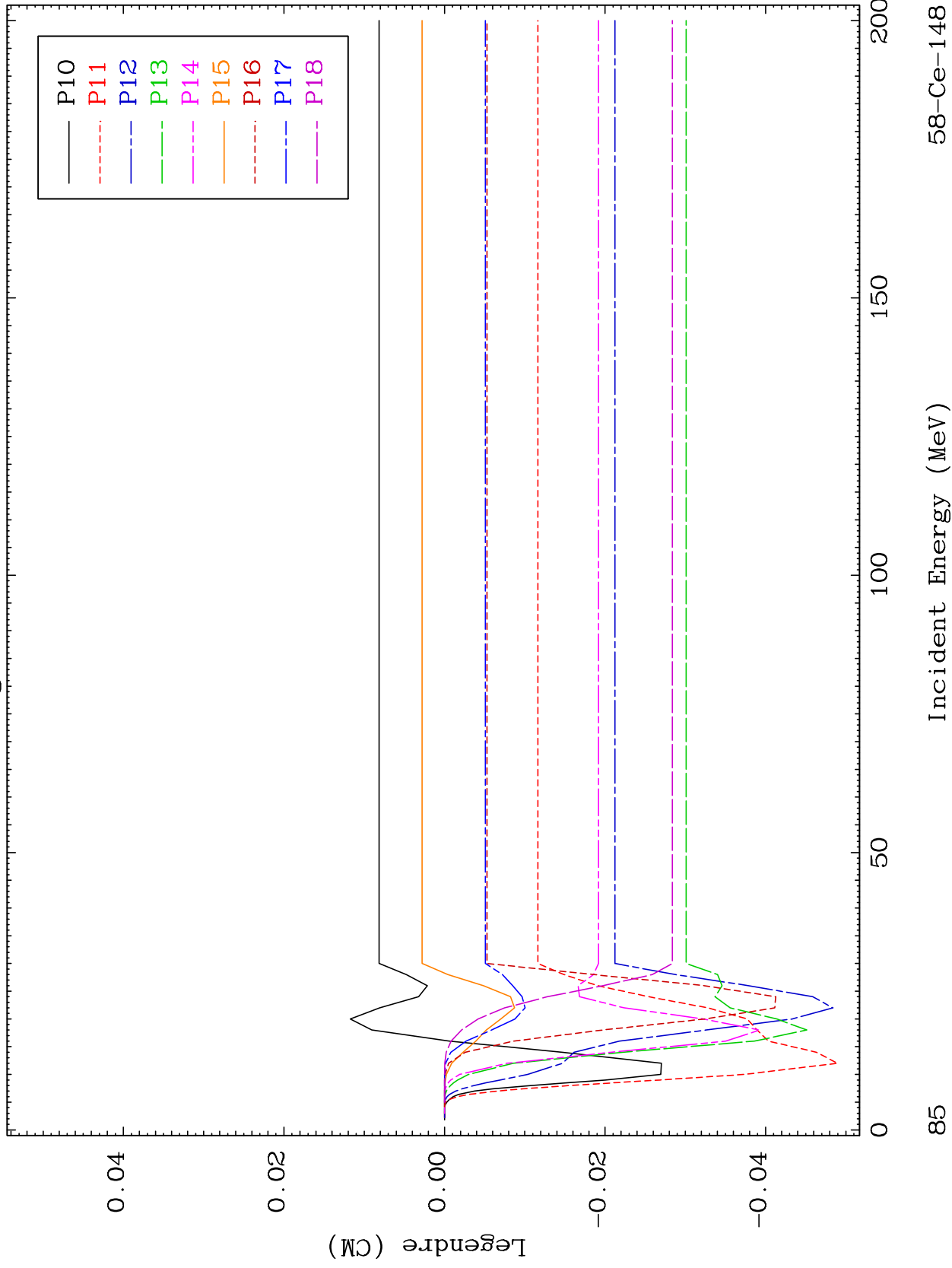
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

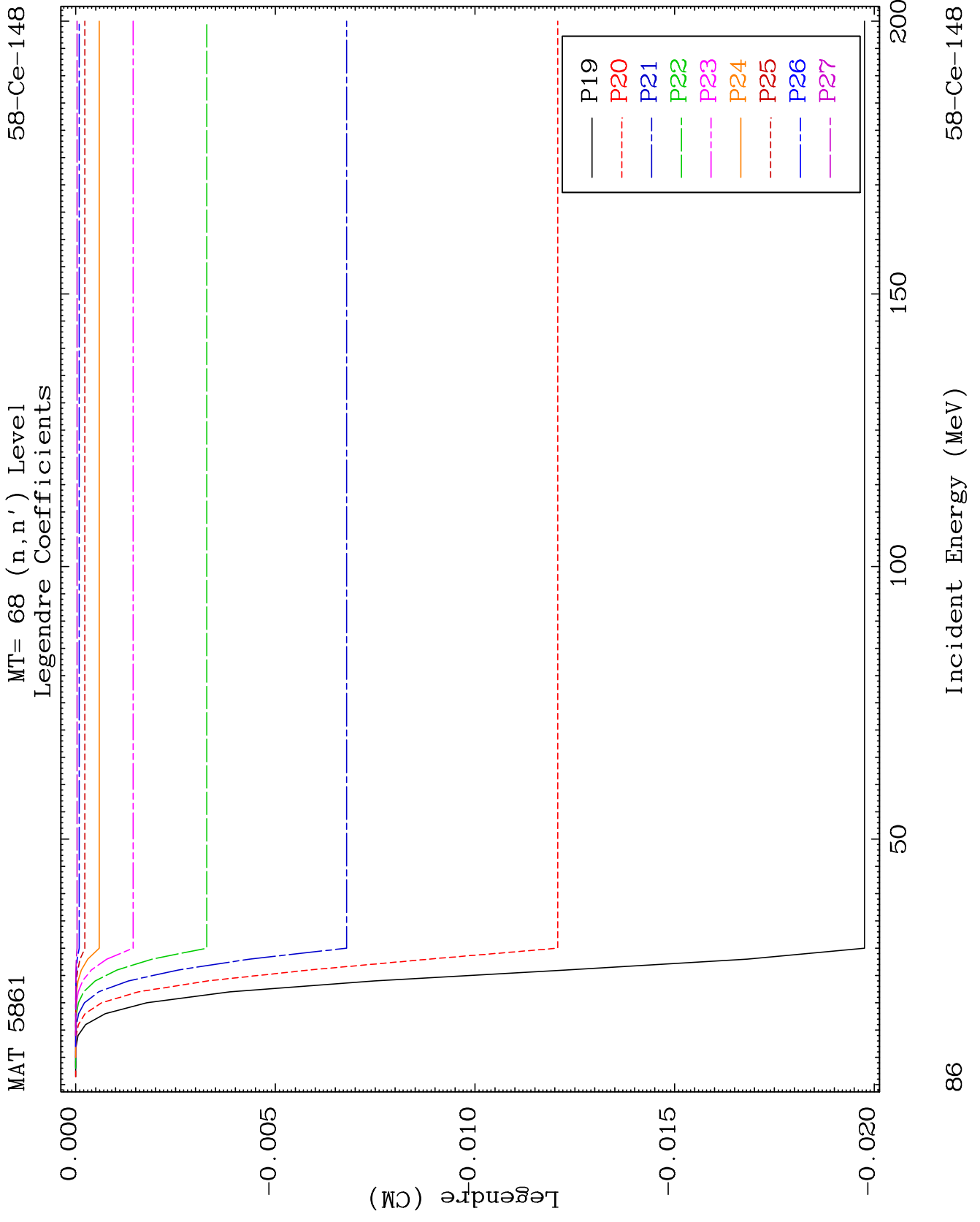
58-Ce-148

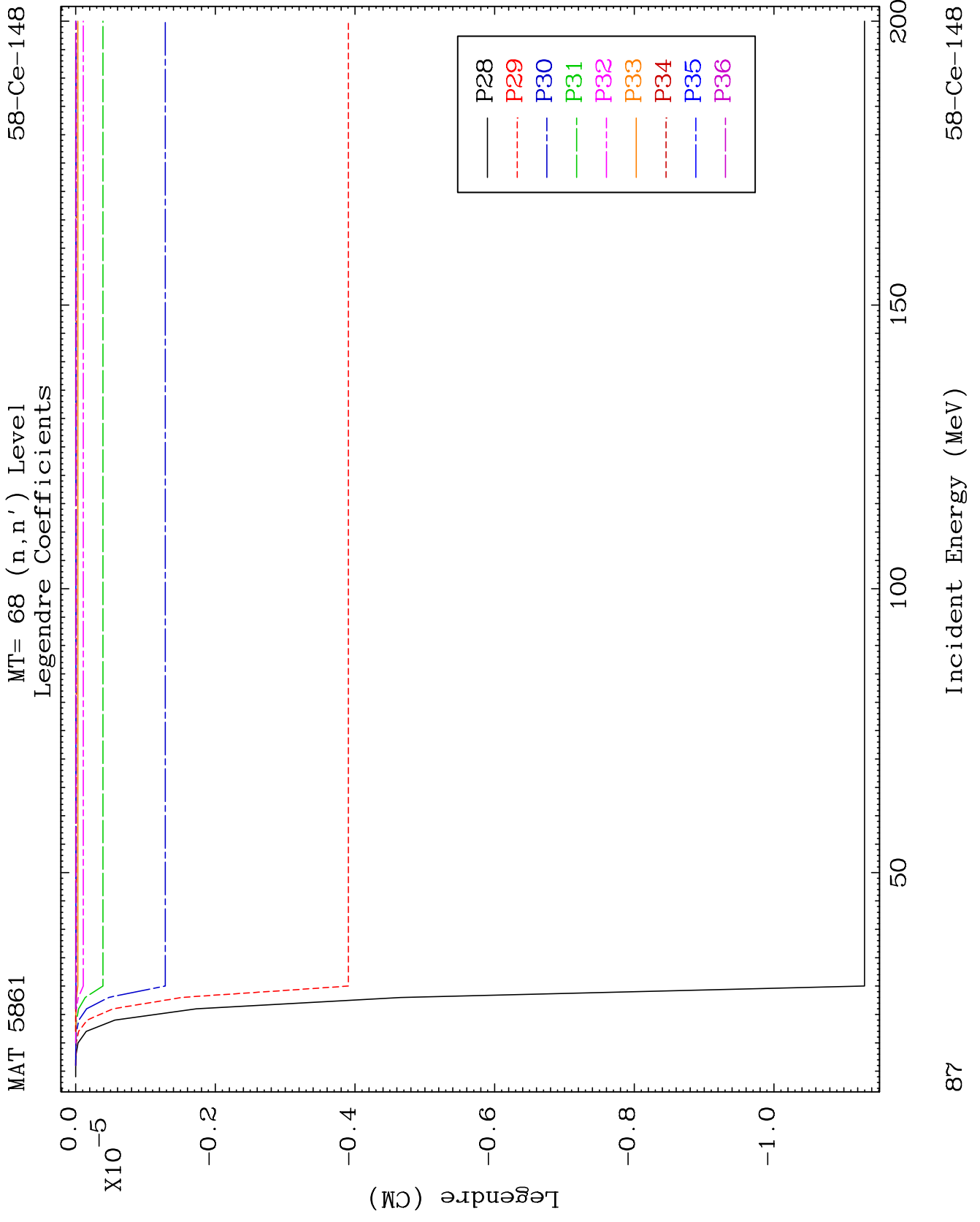


58-Ce-148

Incident Energy (MeV)

85

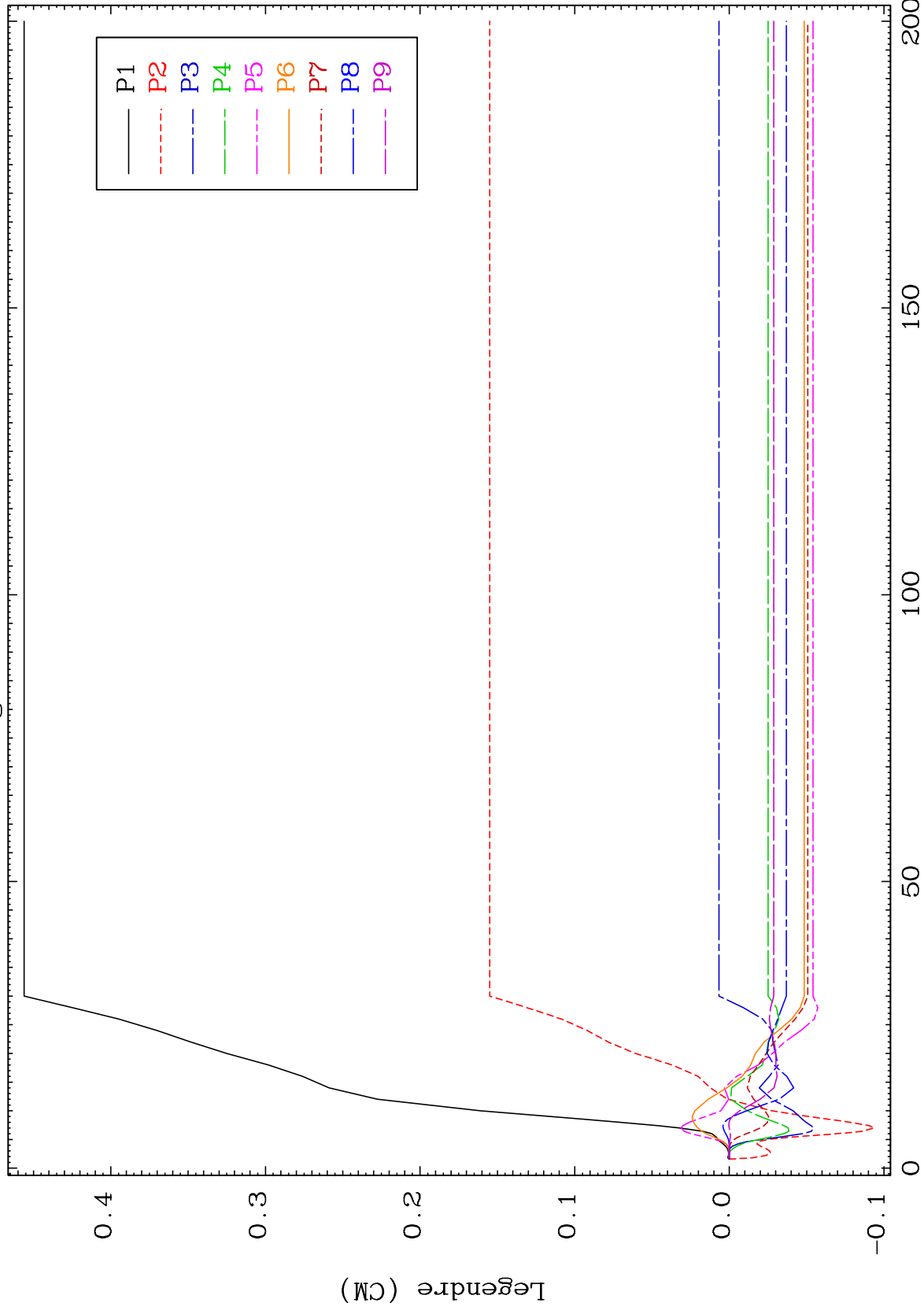




MAT 5861

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

58-Ce-148



58-Ce-148

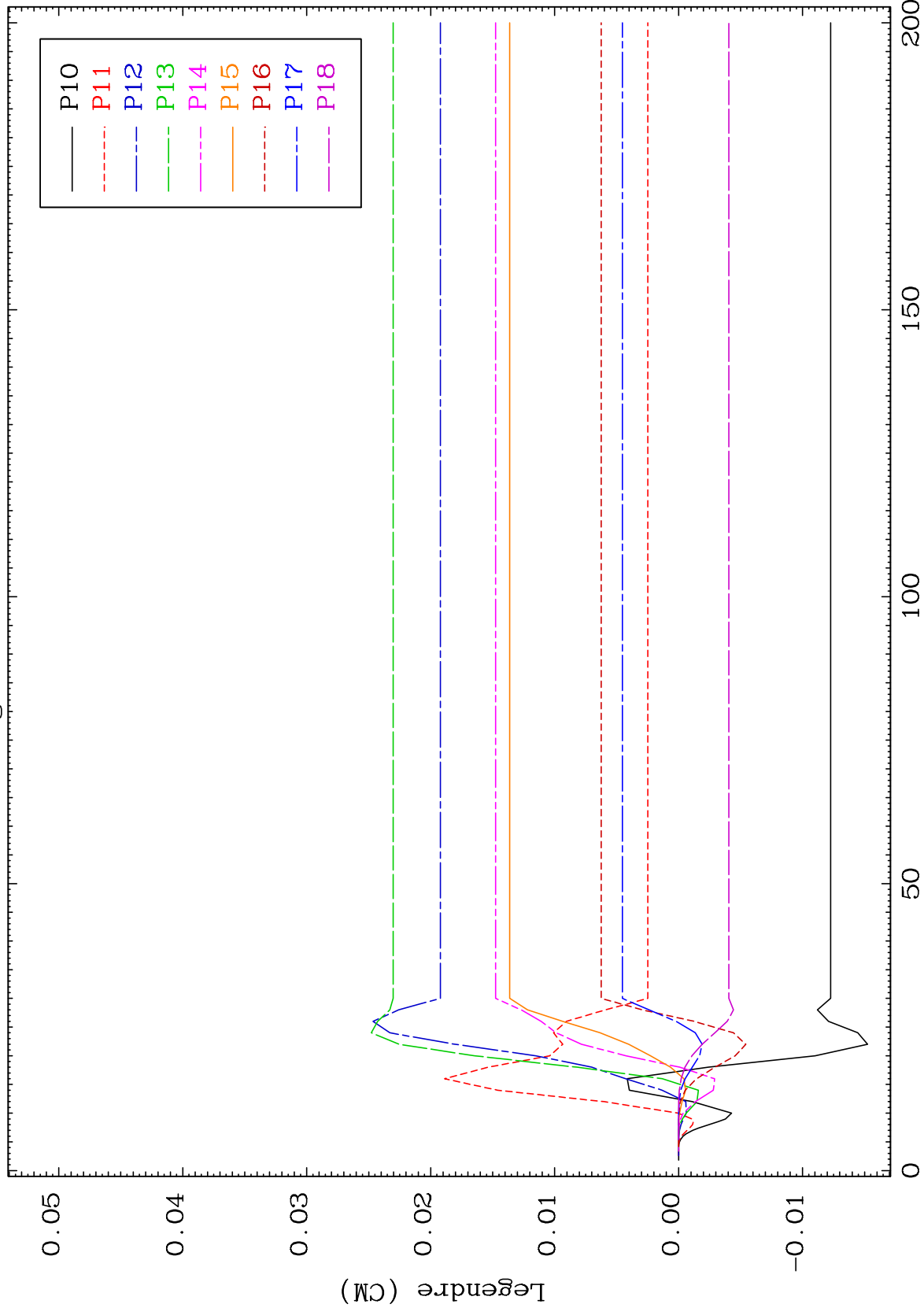
Incident Energy (MeV)

88

MAT 5861

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

58-Ce-148



89

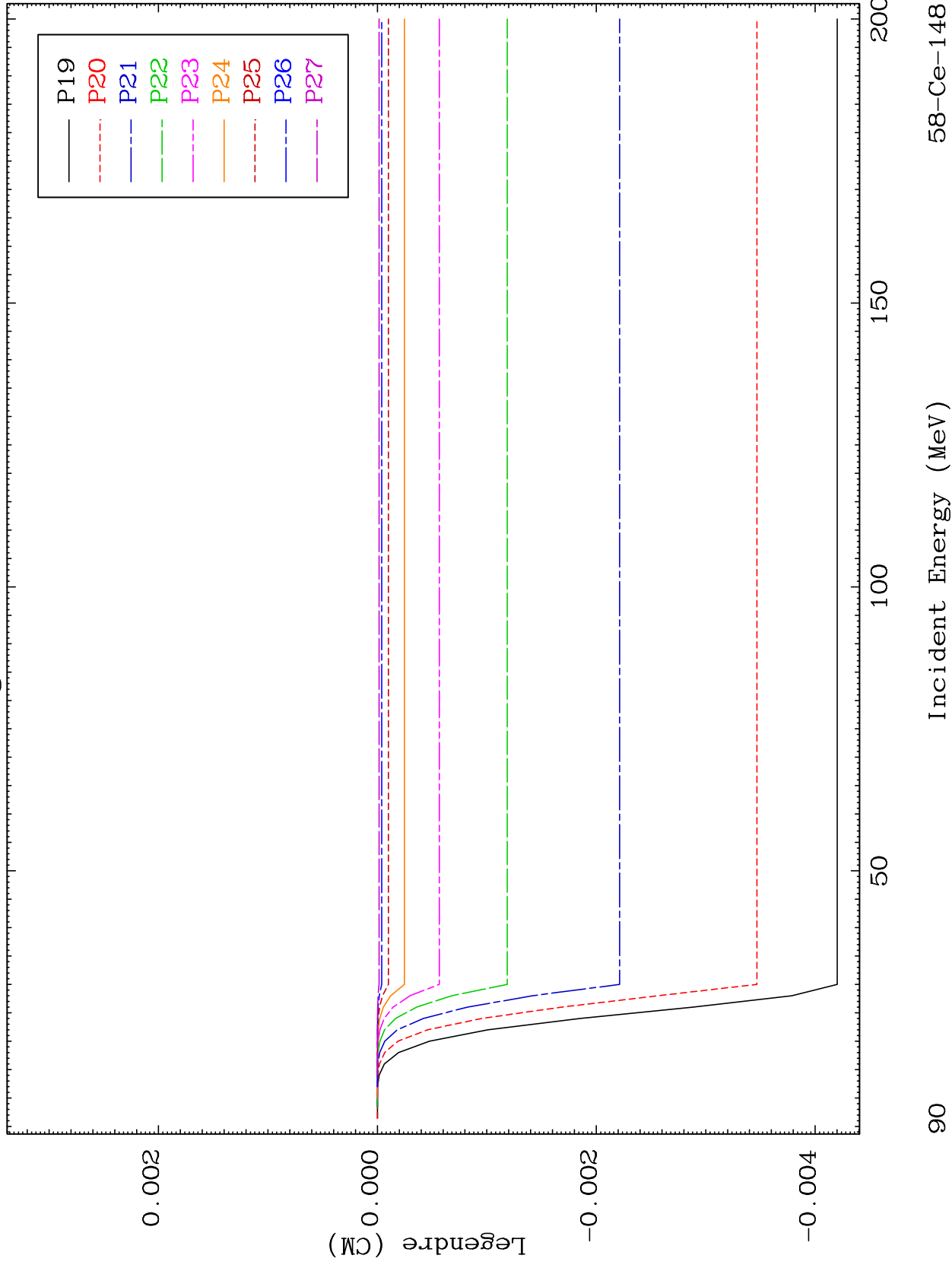
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

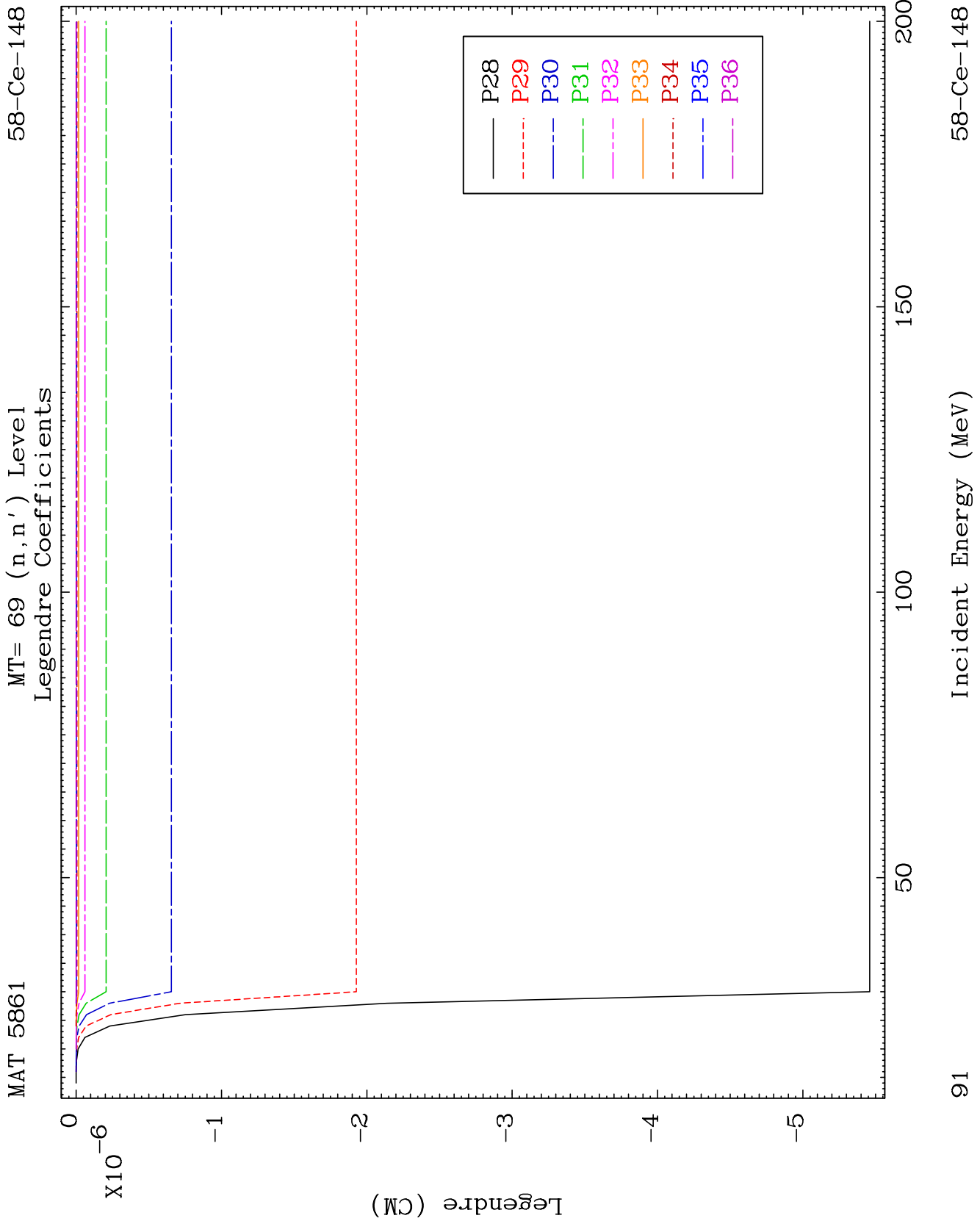
58-Ce-148

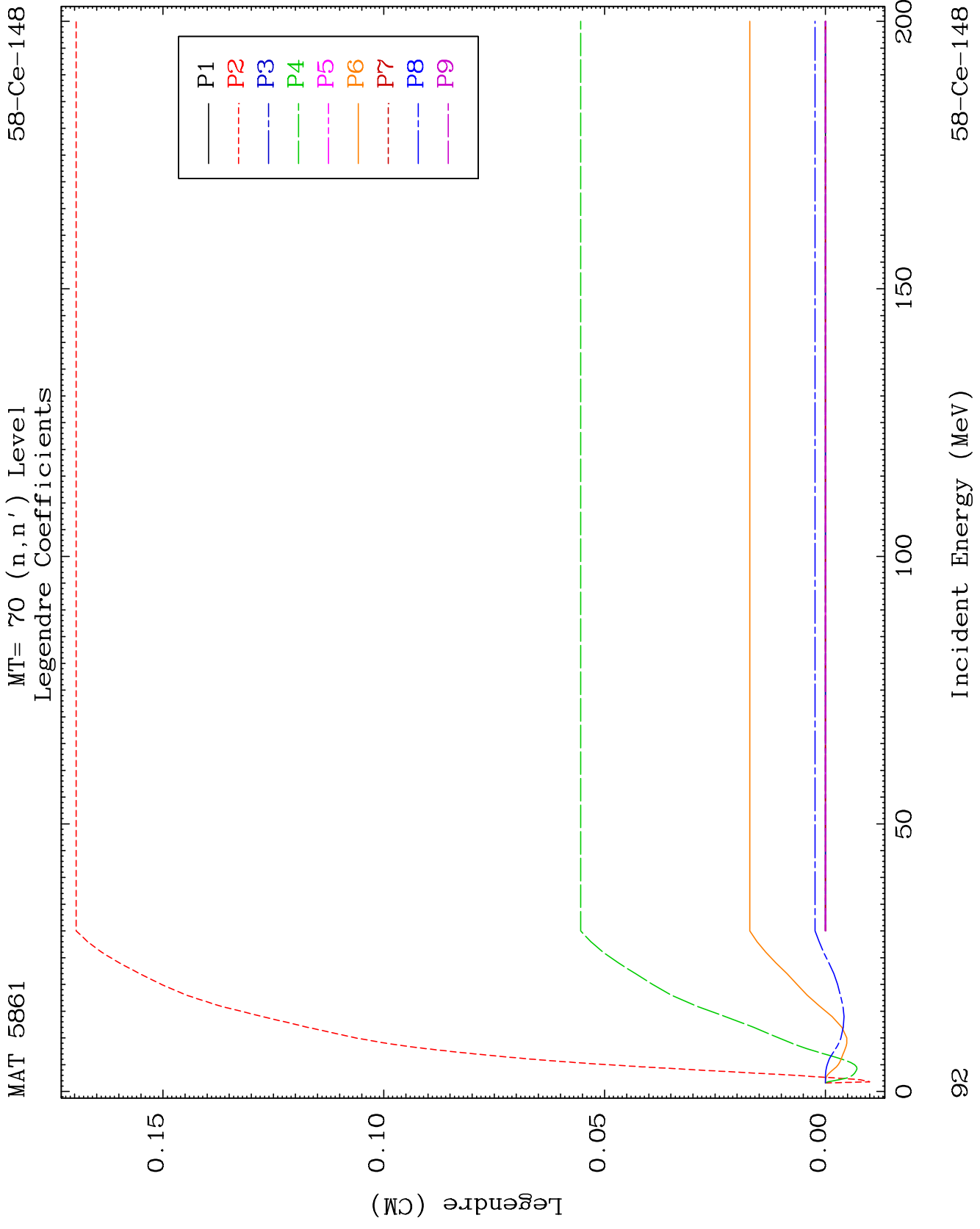


58-Ce-148

Incident Energy (MeV)

90

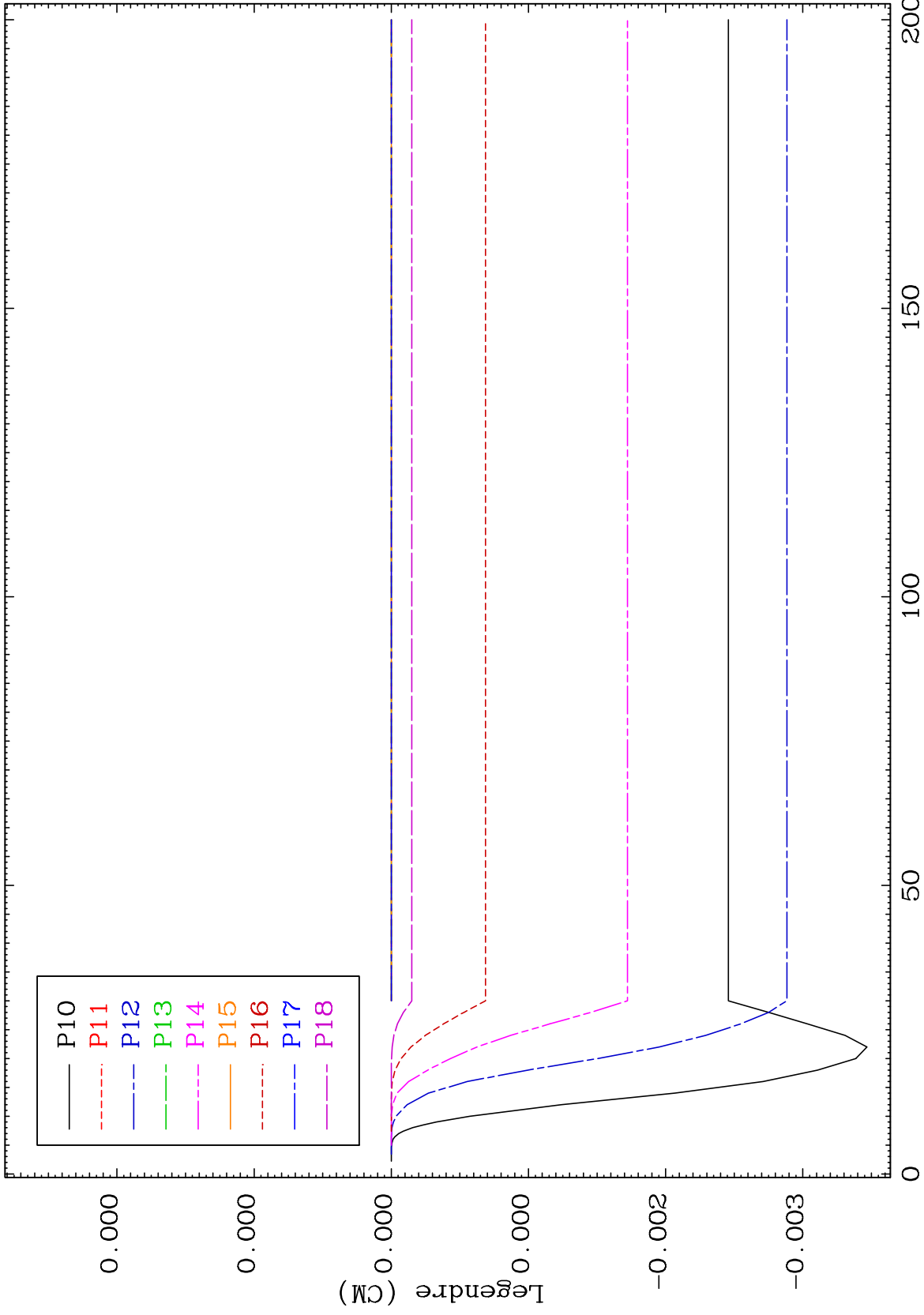




MAT 5861

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

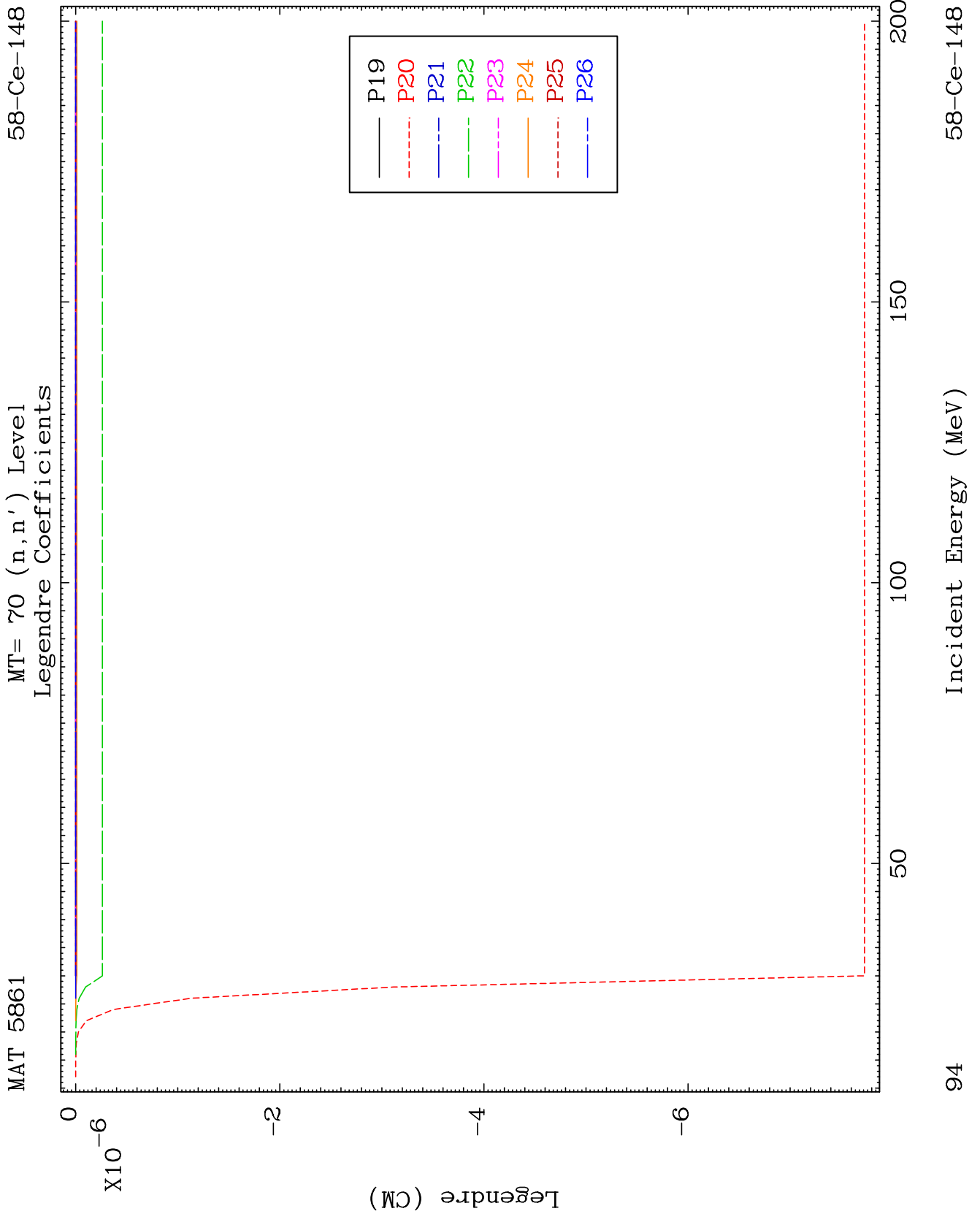
58-Ce-148



93

Incident Energy (MeV)

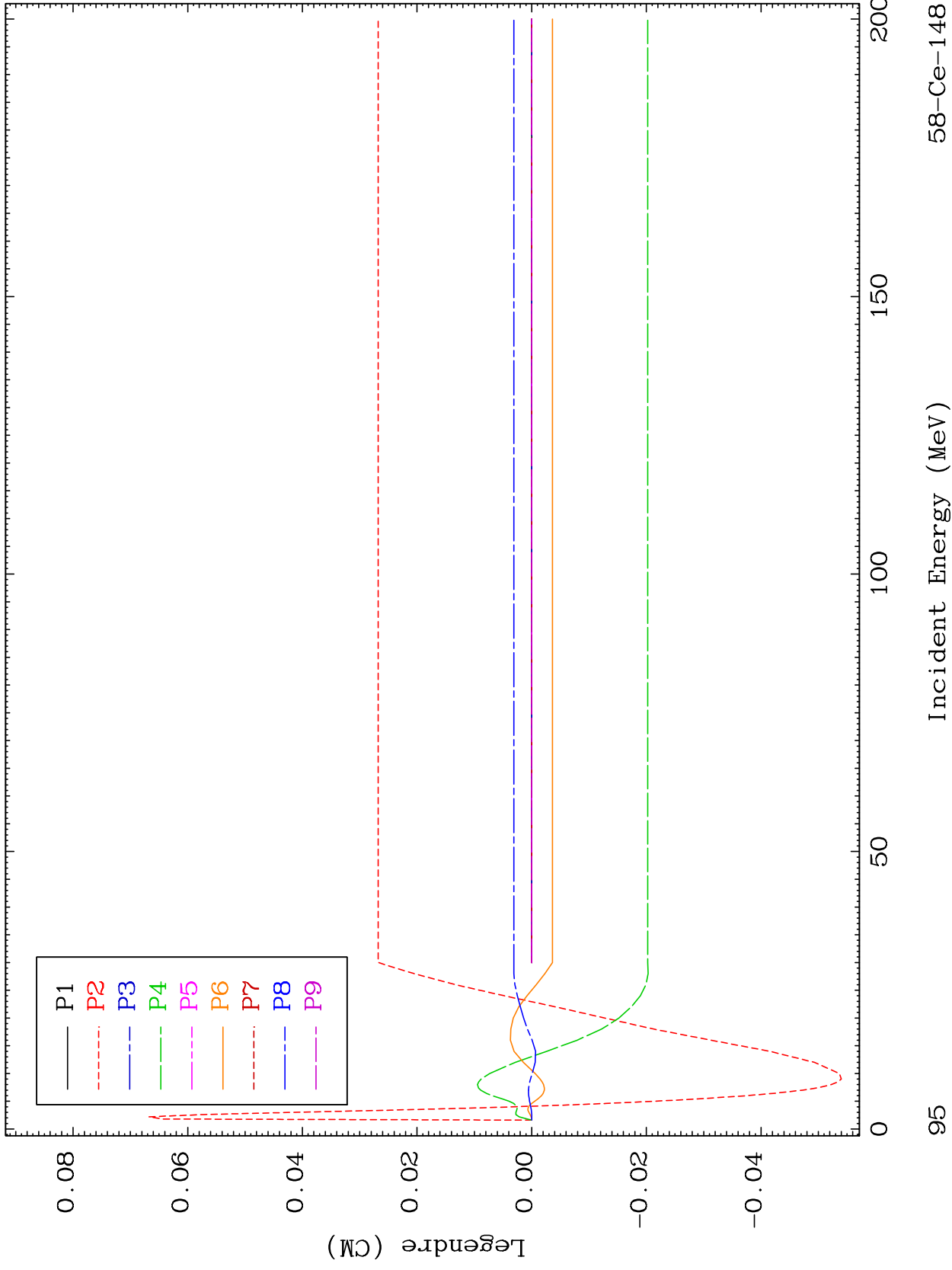
58-Ce-148



MAT 5861

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

58-Ce-148



58-Ce-148

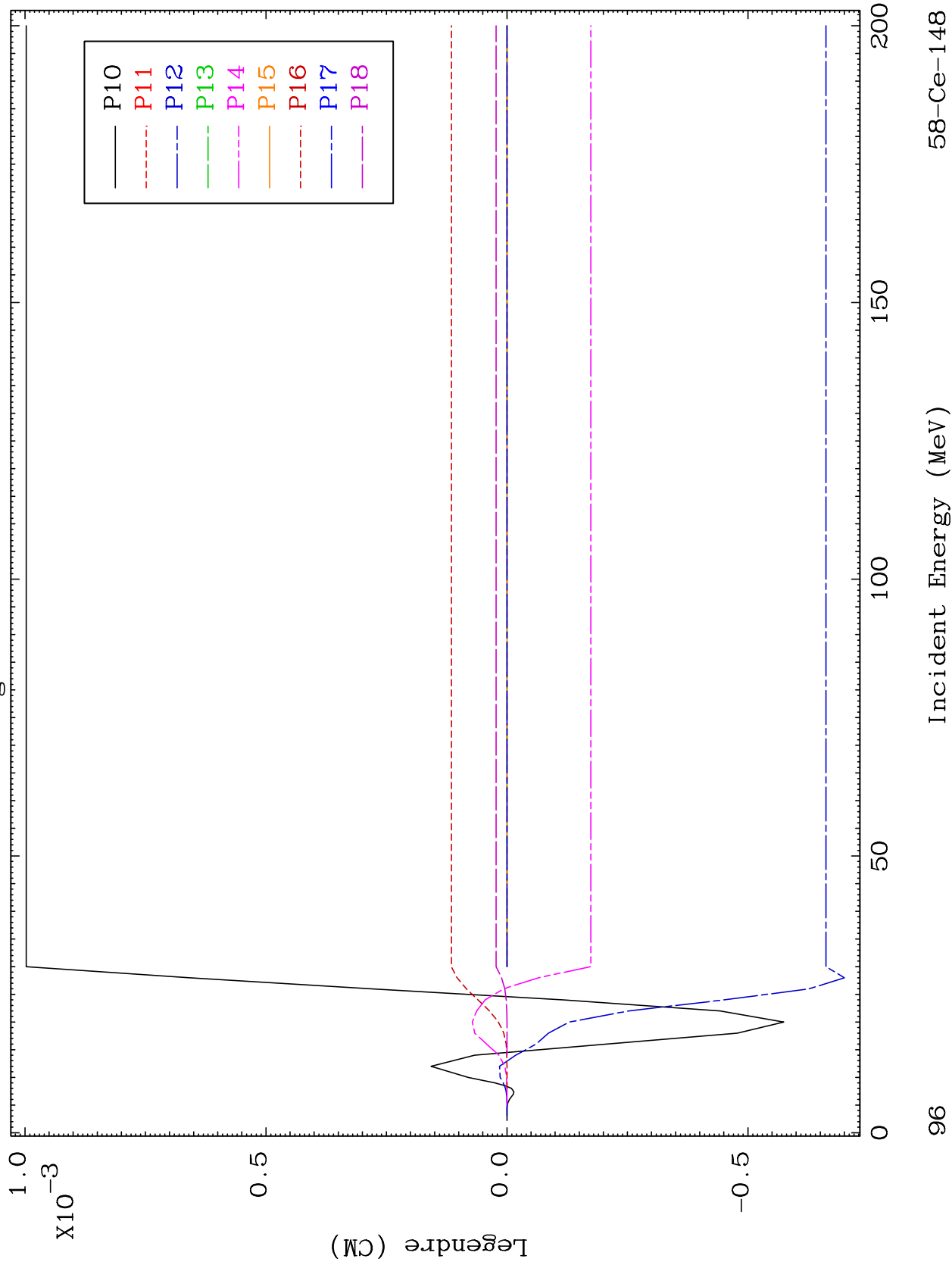
Incident Energy (MeV)

95

MAT 5861

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

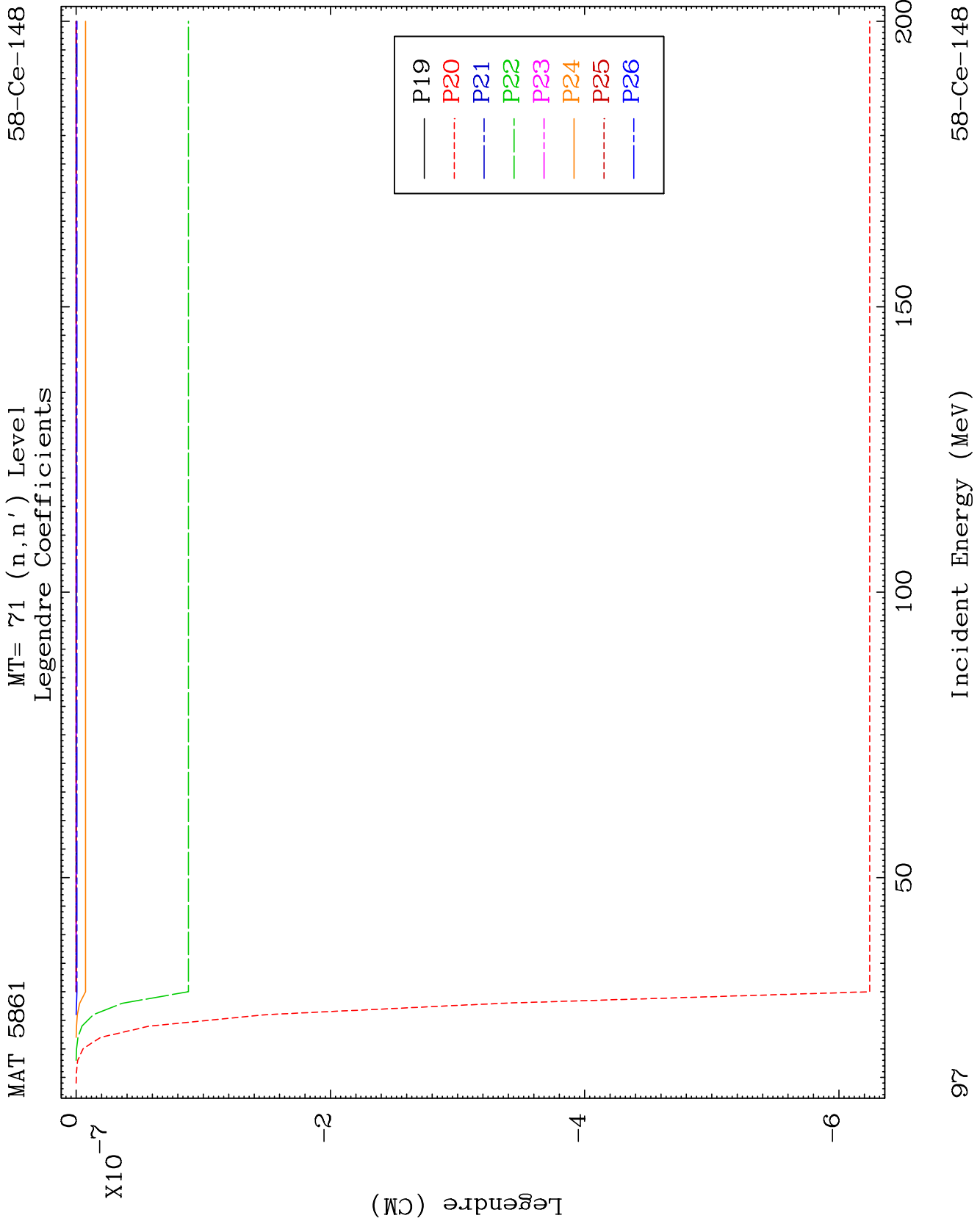
58-Ce-148

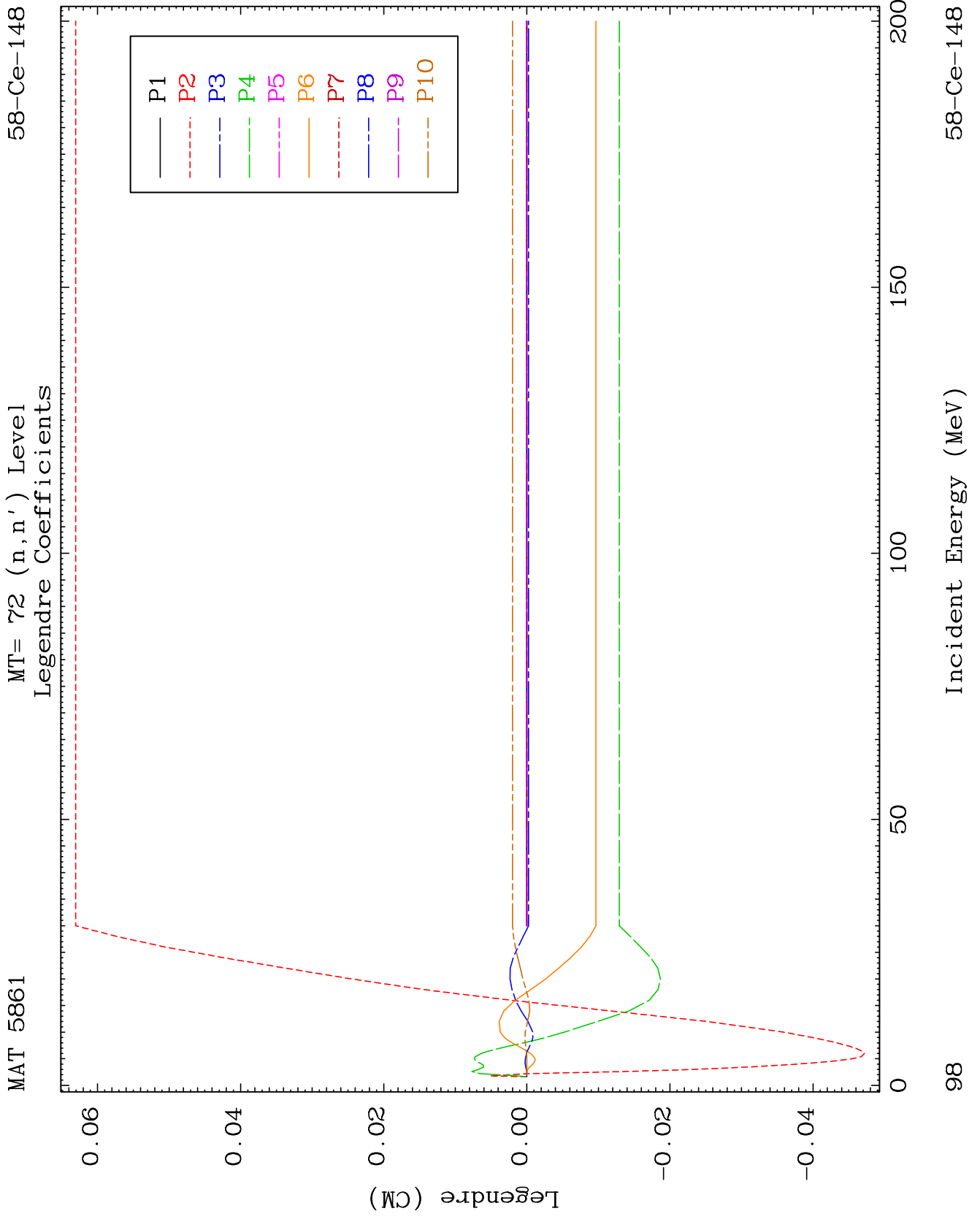


96

Incident Energy (MeV)

58-Ce-148

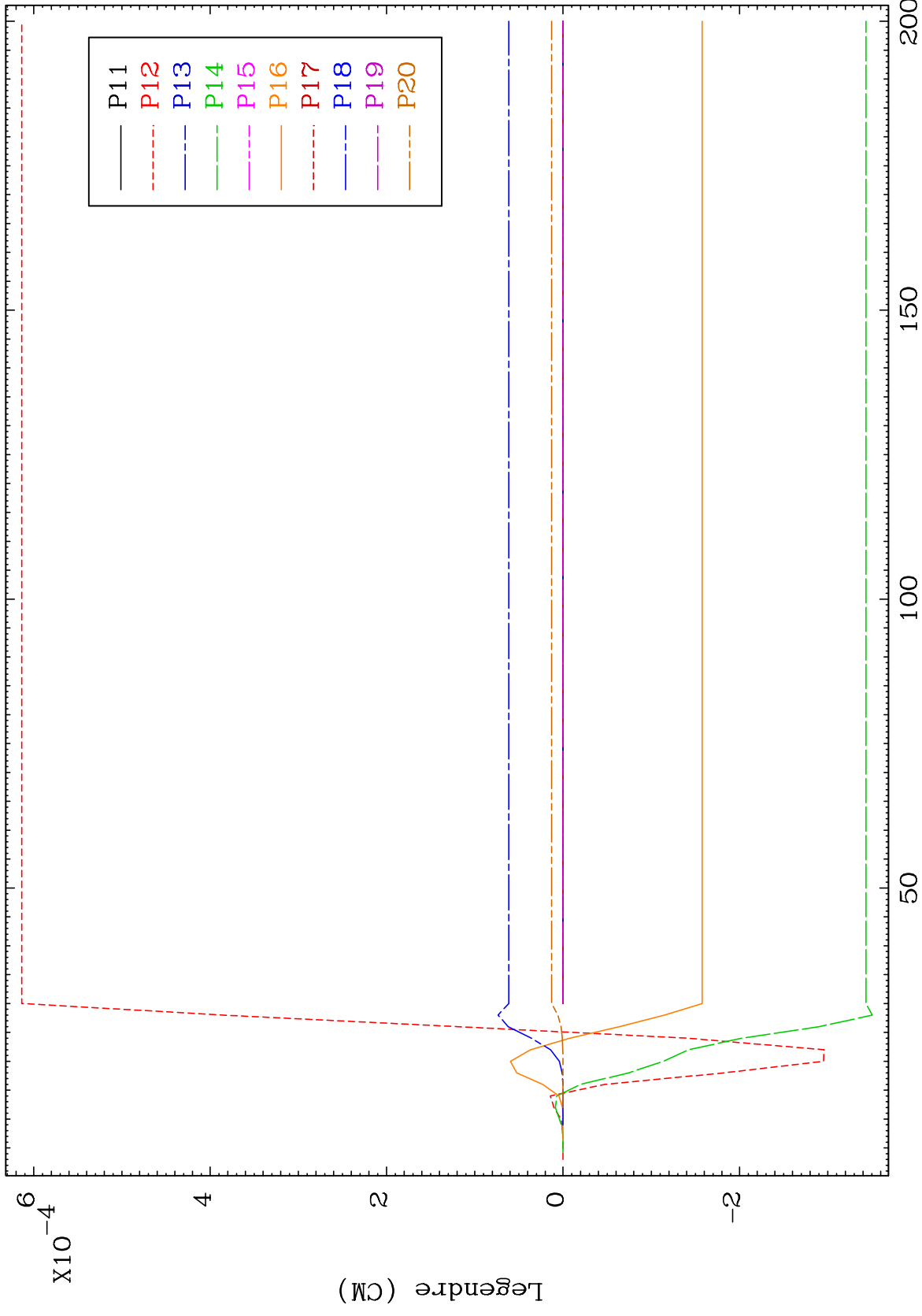




MAT 5861

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

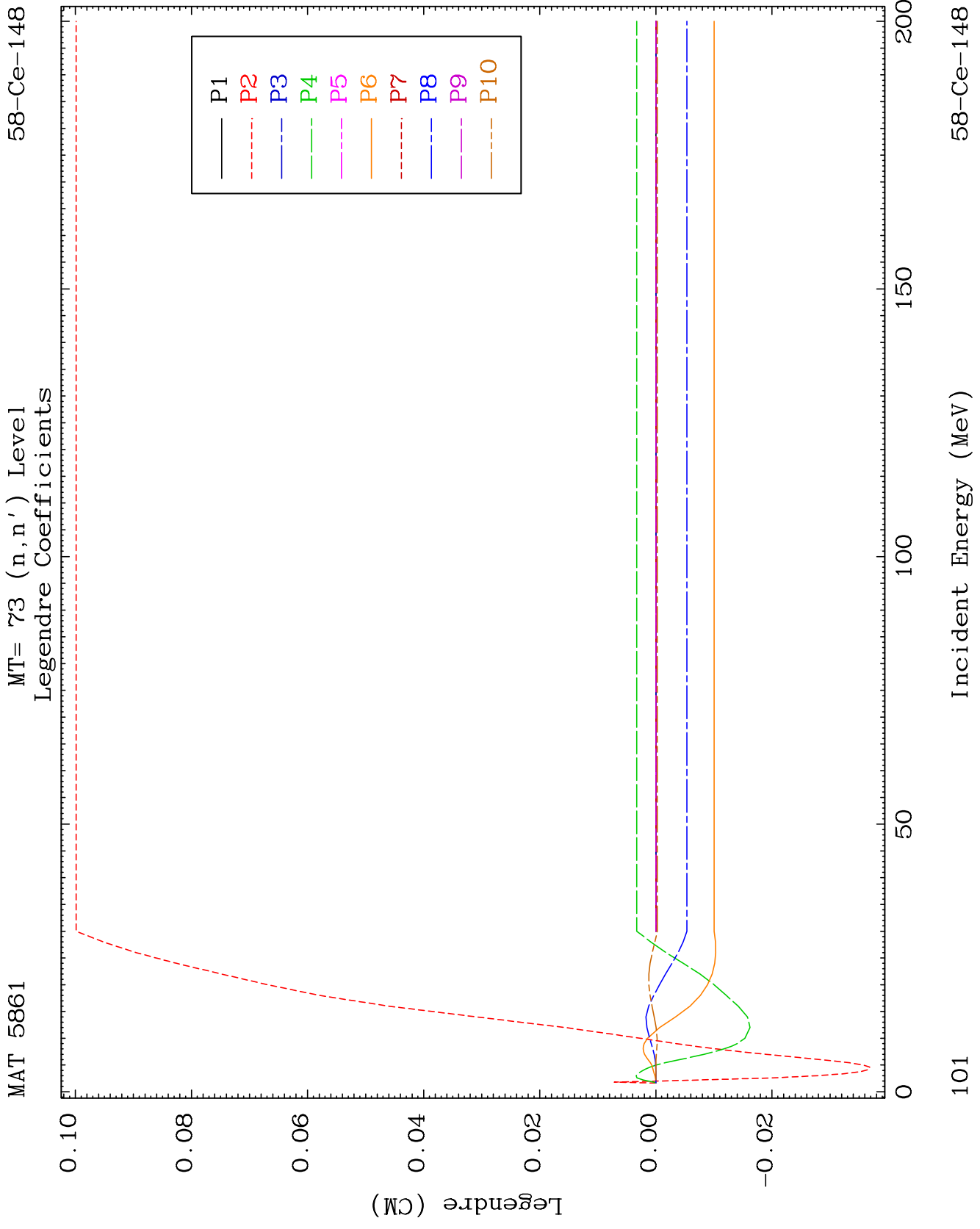
58-Ce-148

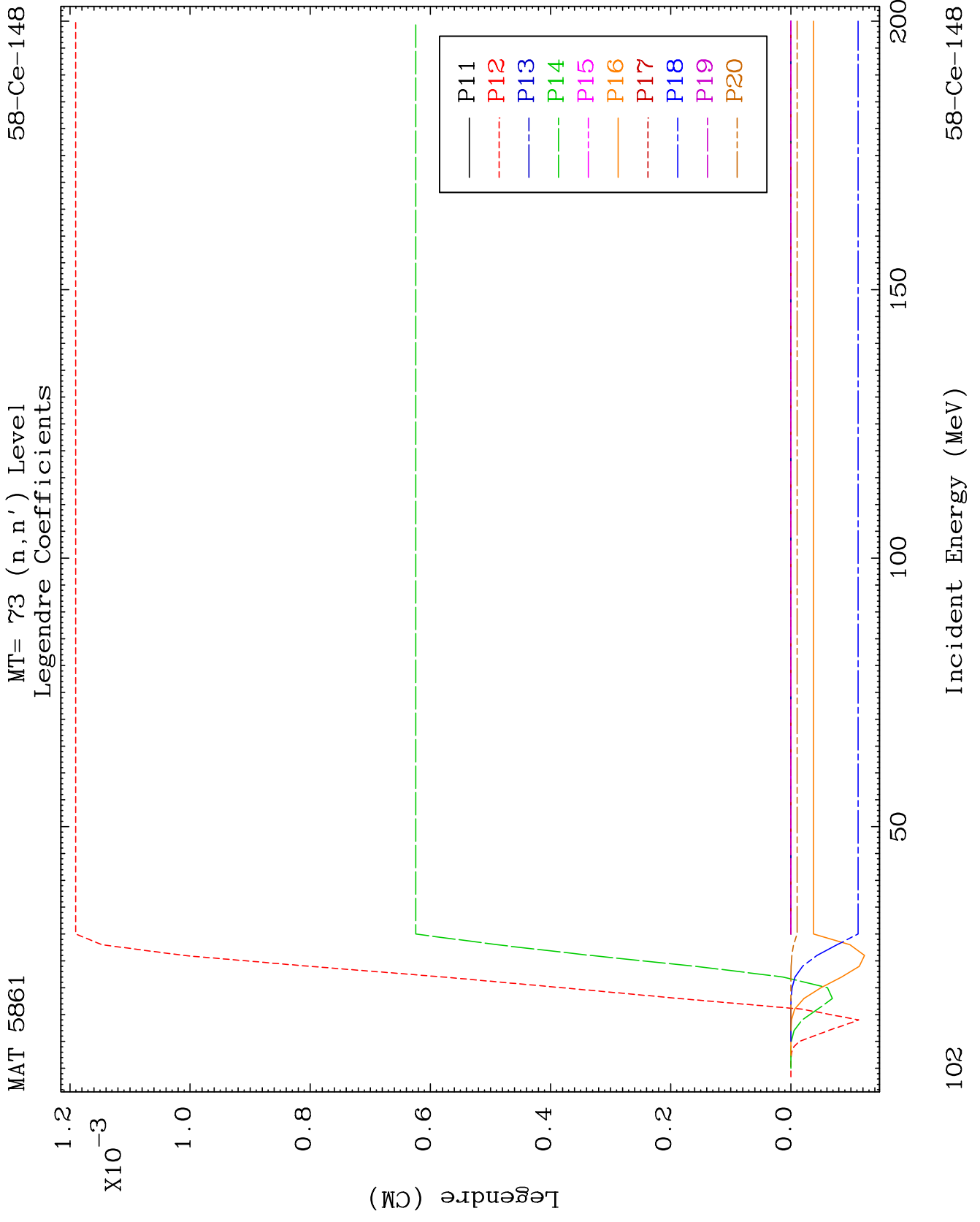


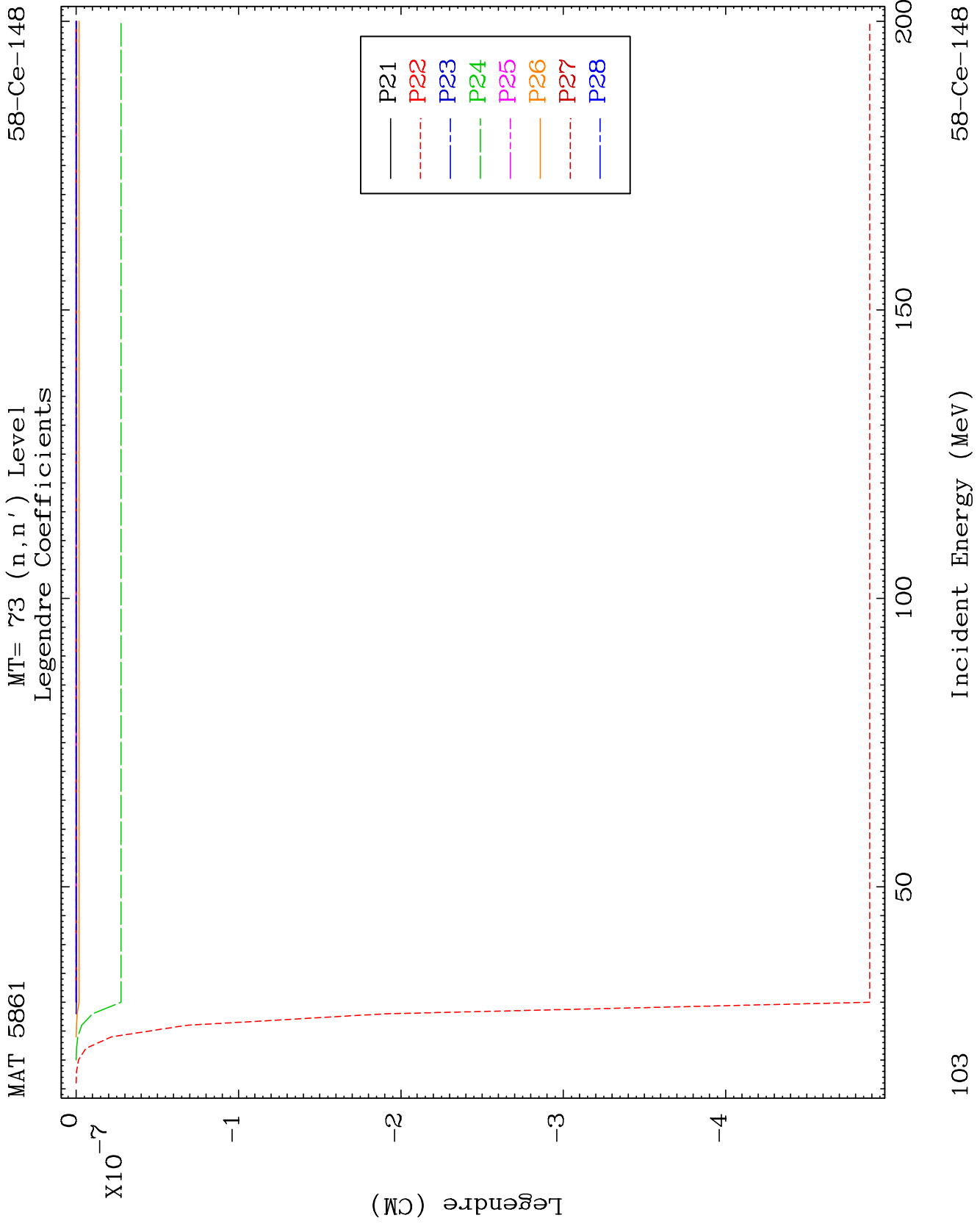
99

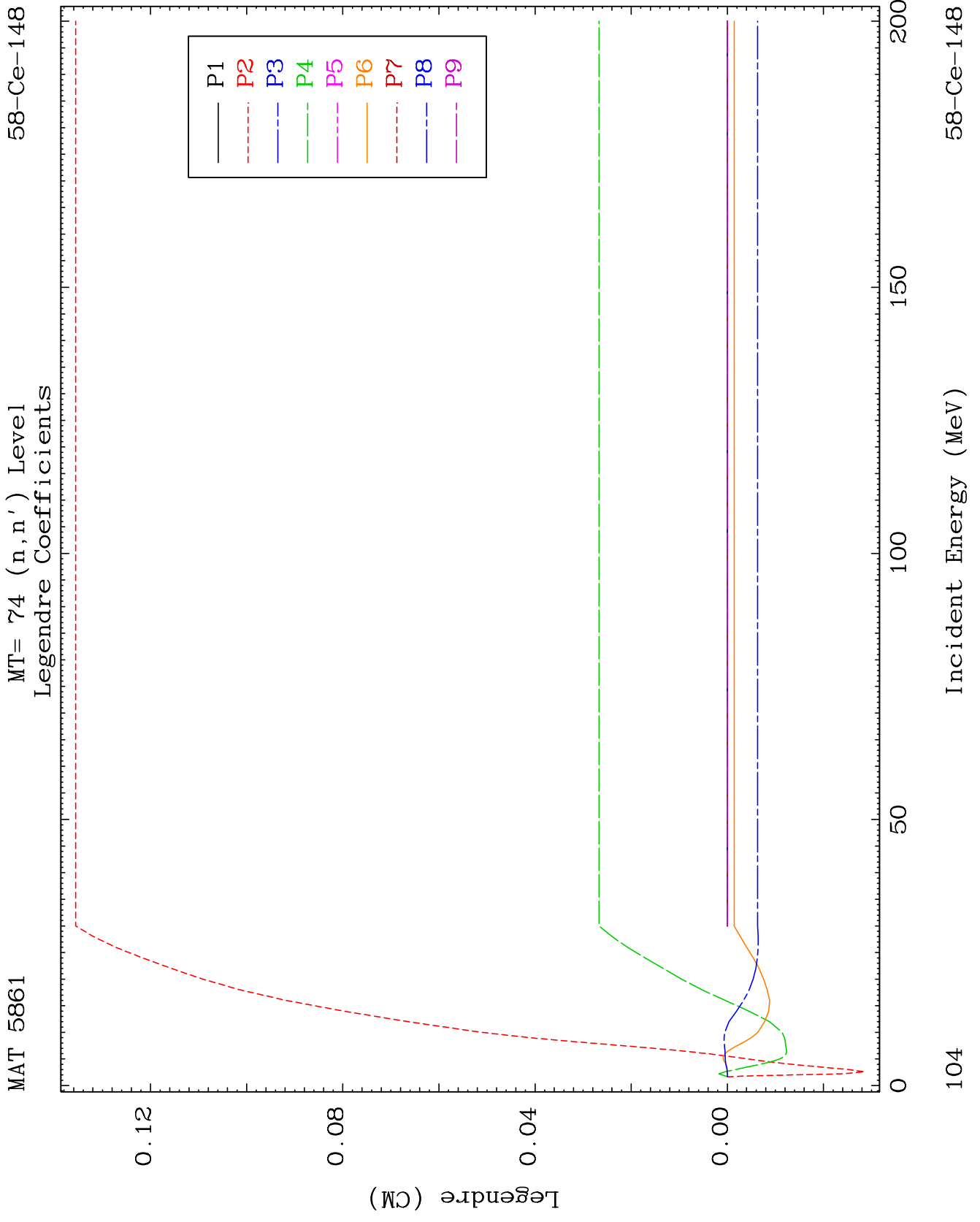
Incident Energy (MeV)

58-Ce-148





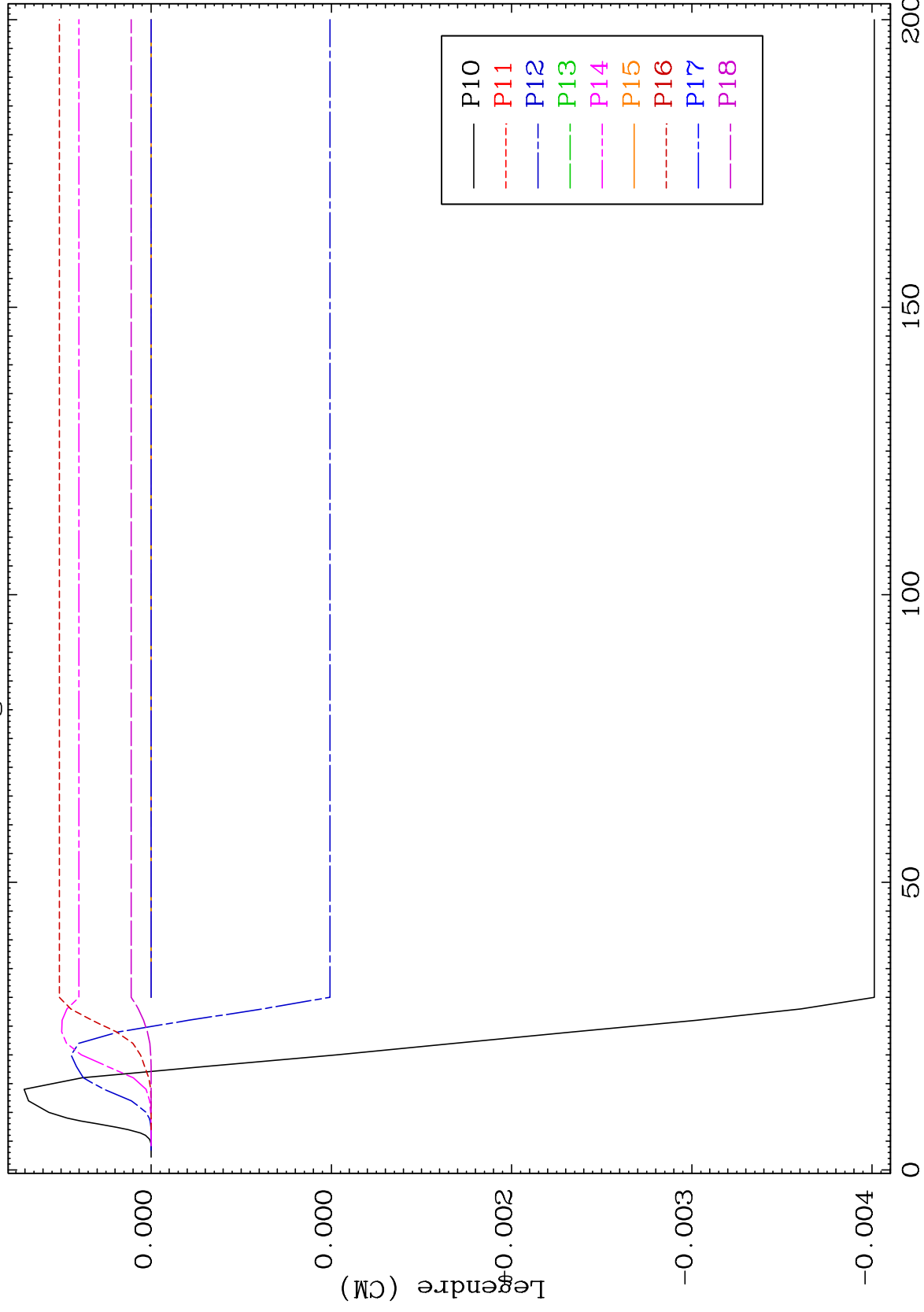




MAT 5861

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

58-Ce-148



105

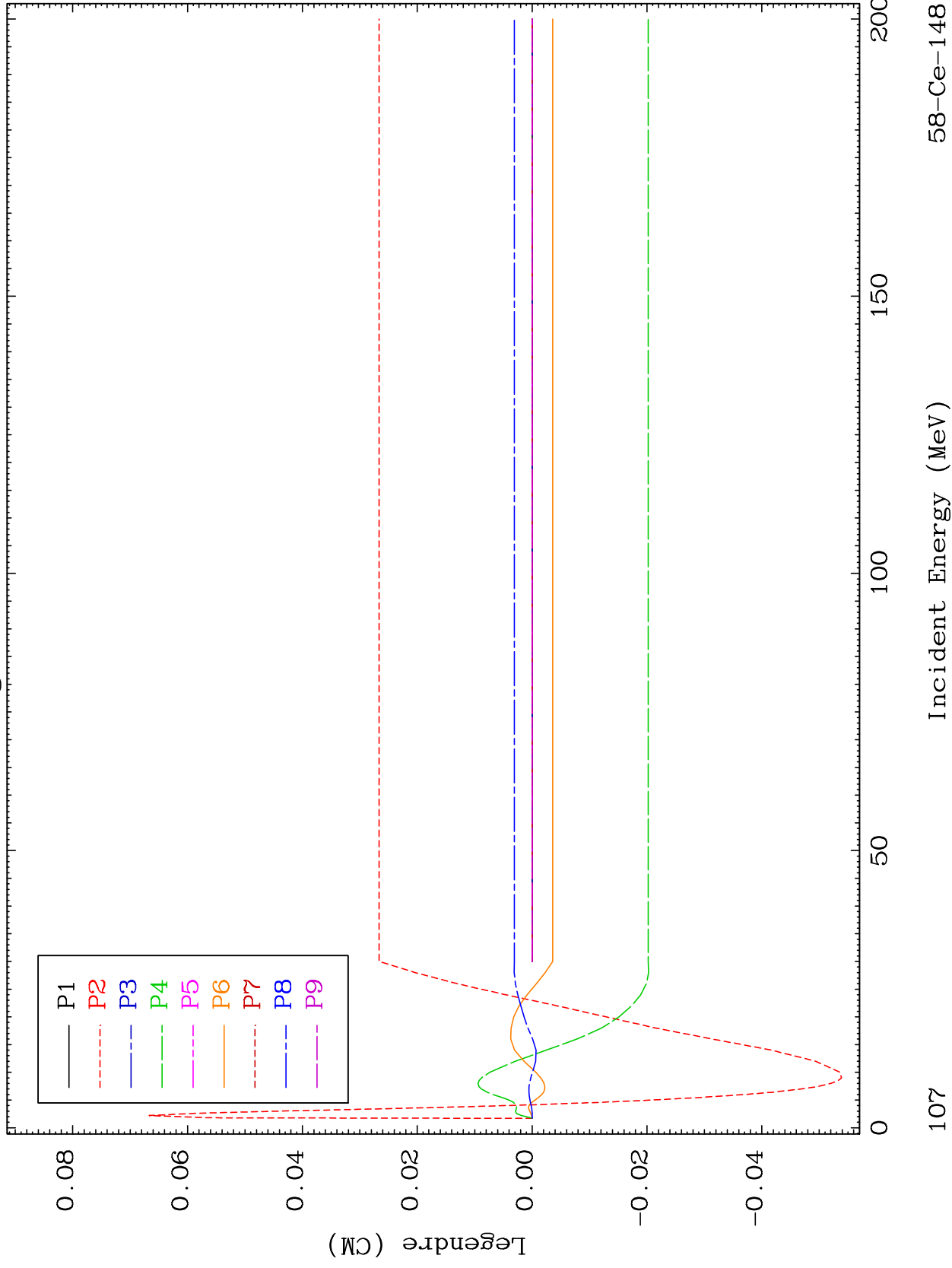
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148



58-Ce-148

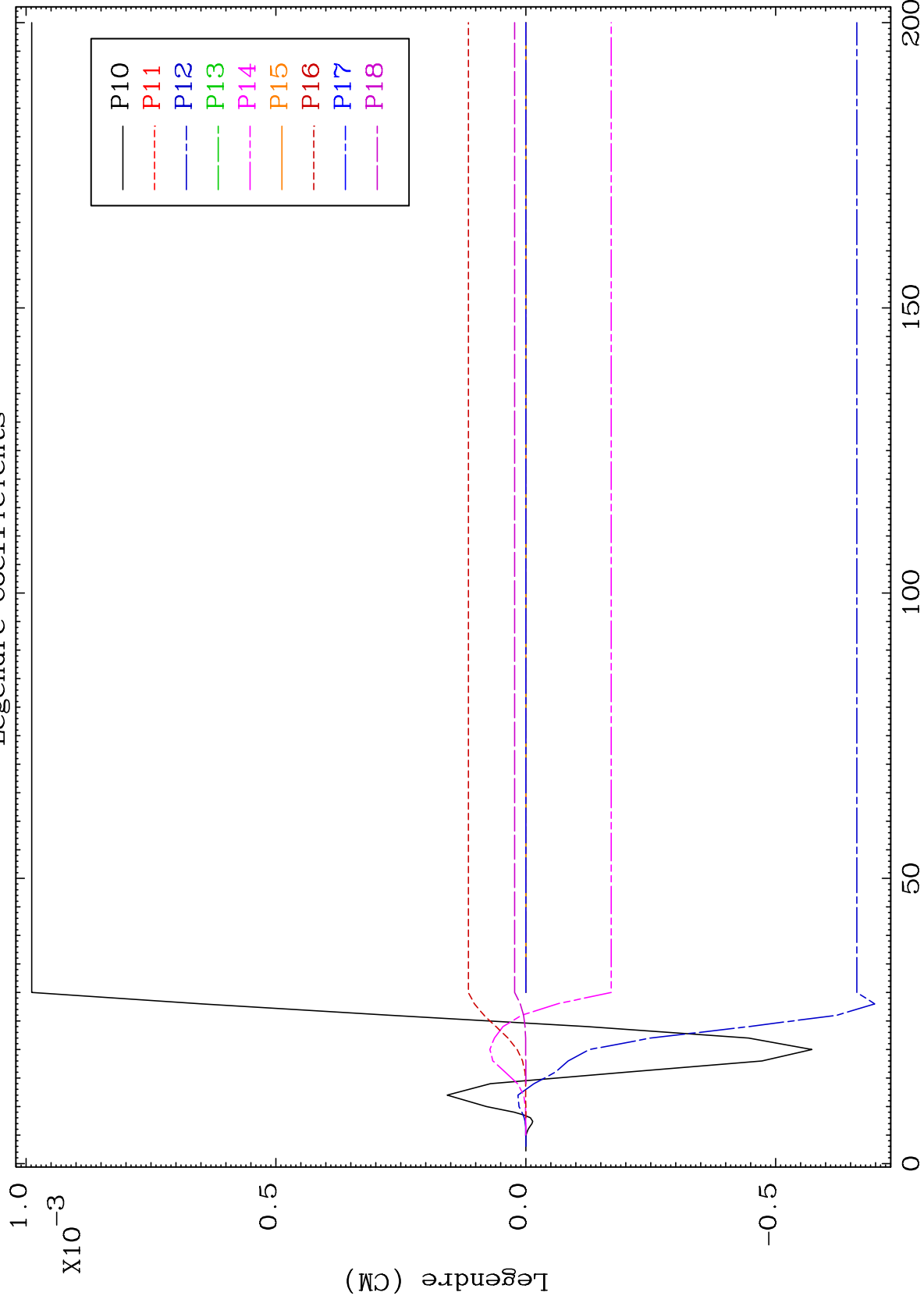
Incident Energy (MeV)

107

MAT 5861

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

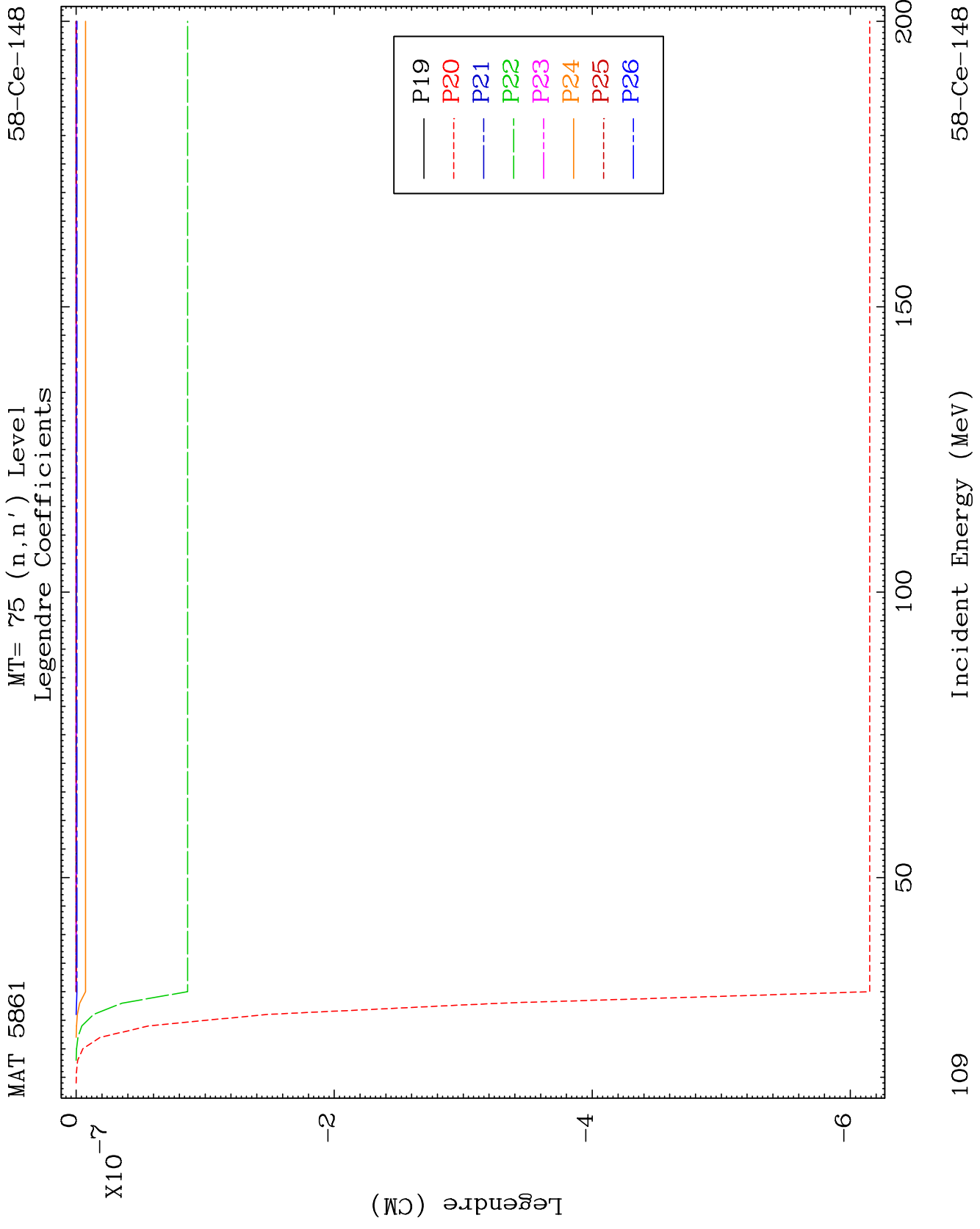
58-Ce-148



108

Incident Energy (MeV)

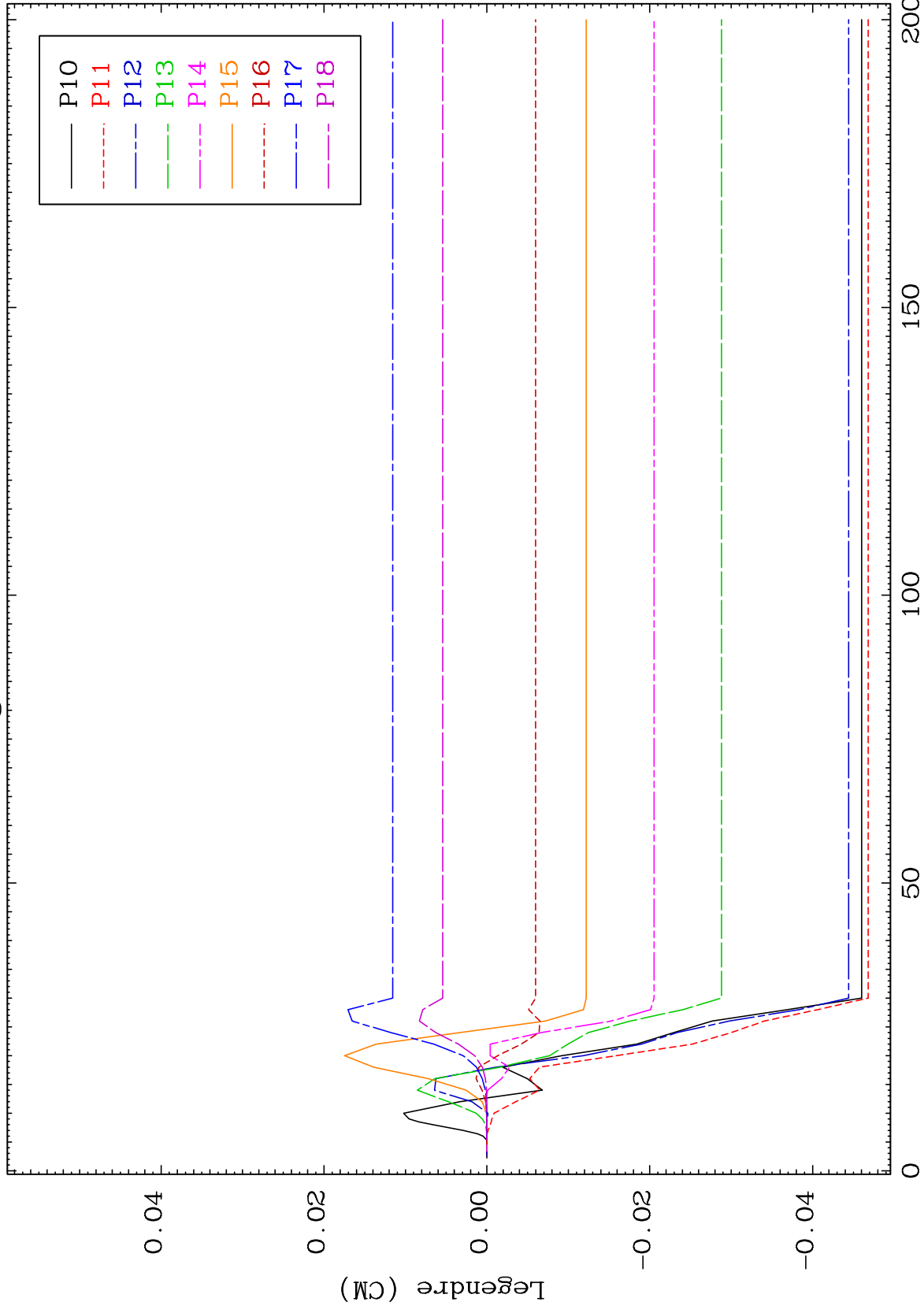
58-Ce-148



MAT 5861

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

58-Ce-148



58-Ce-148

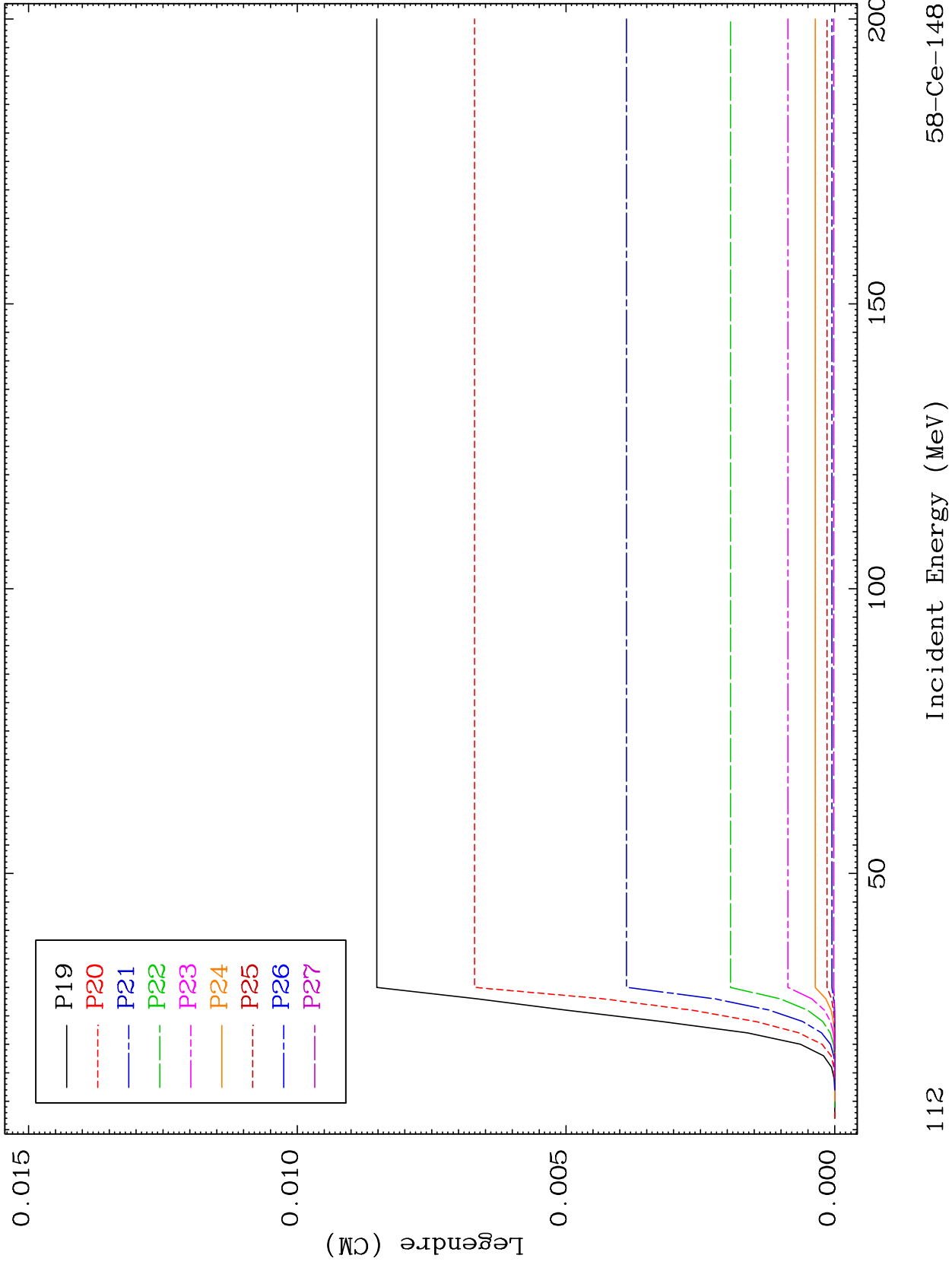
Incident Energy (MeV)

111

MAT 5861

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

58-Ce-148



112

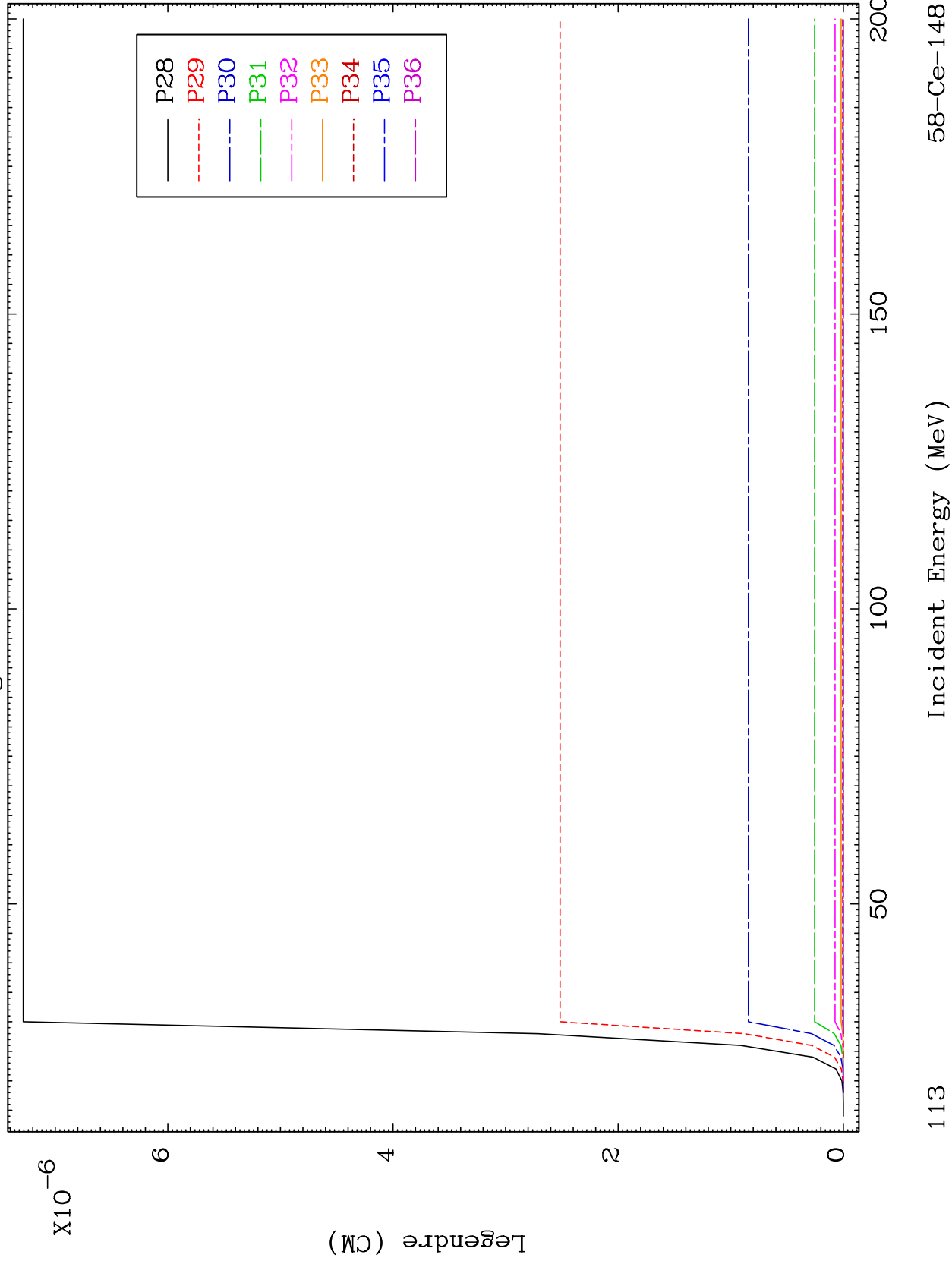
Incident Energy (MeV)

58-Ce-148

MAT 5861

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

58-Ce-148

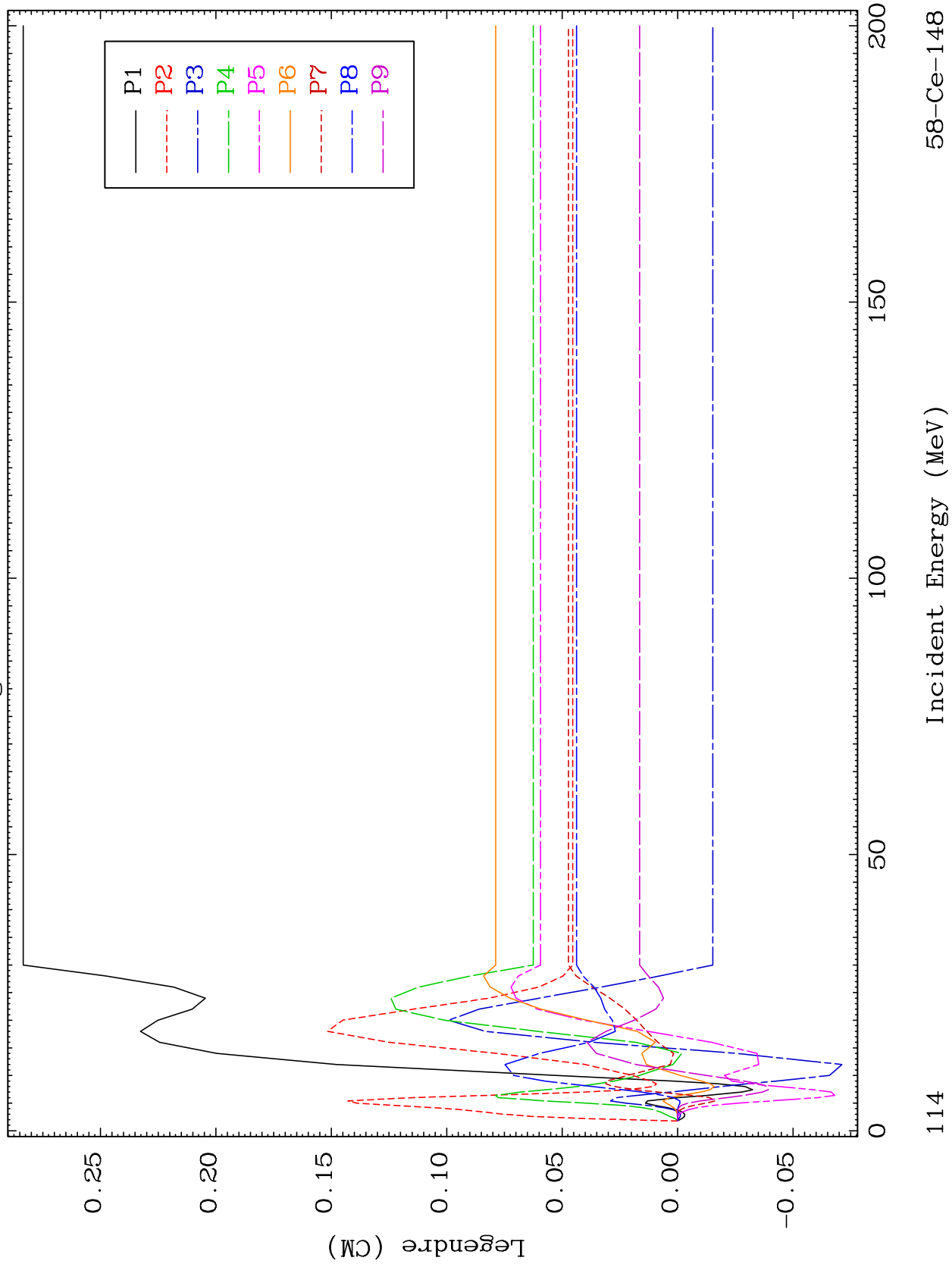


113

MAT 5861

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

58-Ce-148



58-Ce-148

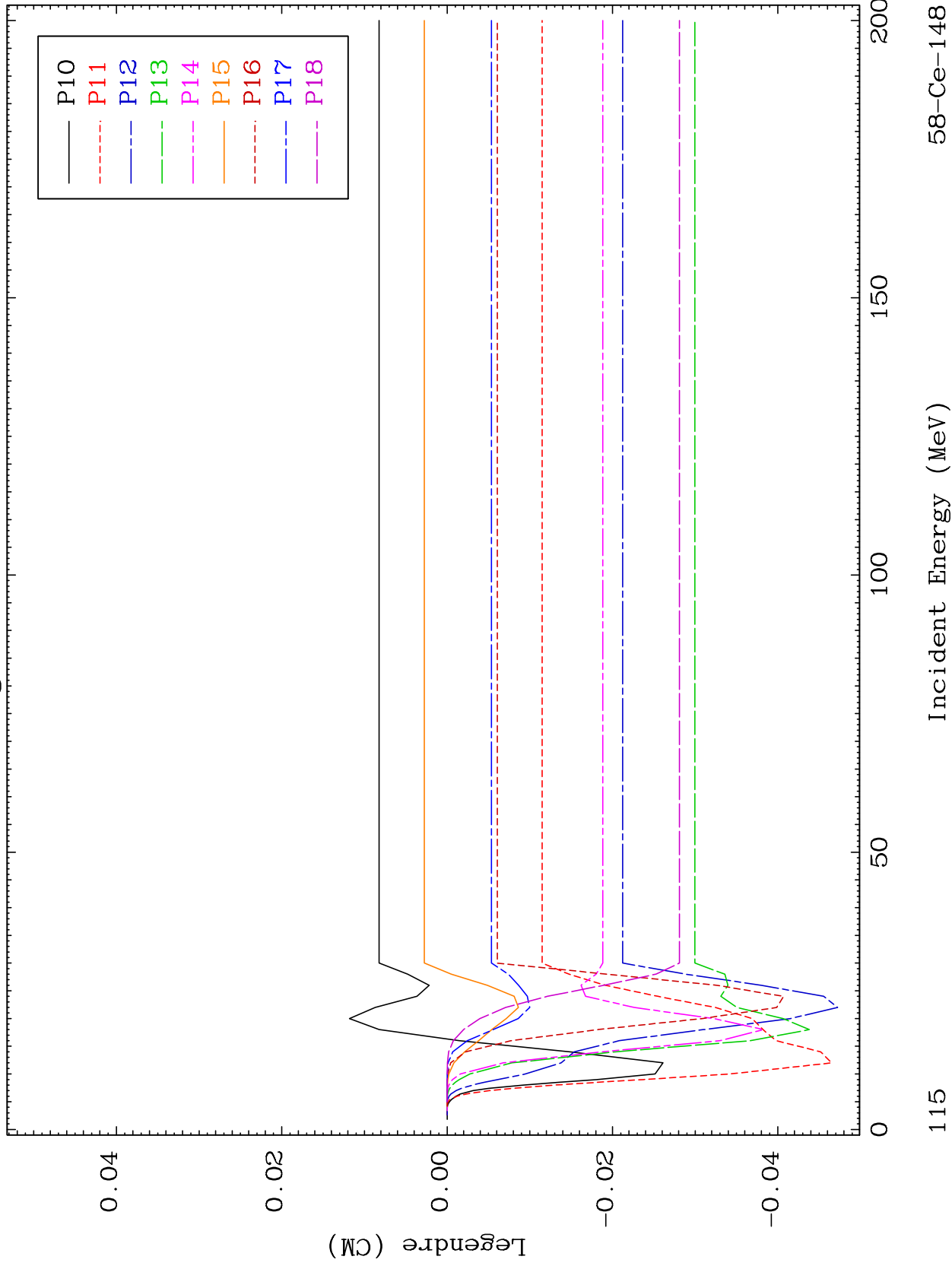
Incident Energy (MeV)

114

MAT 5861

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

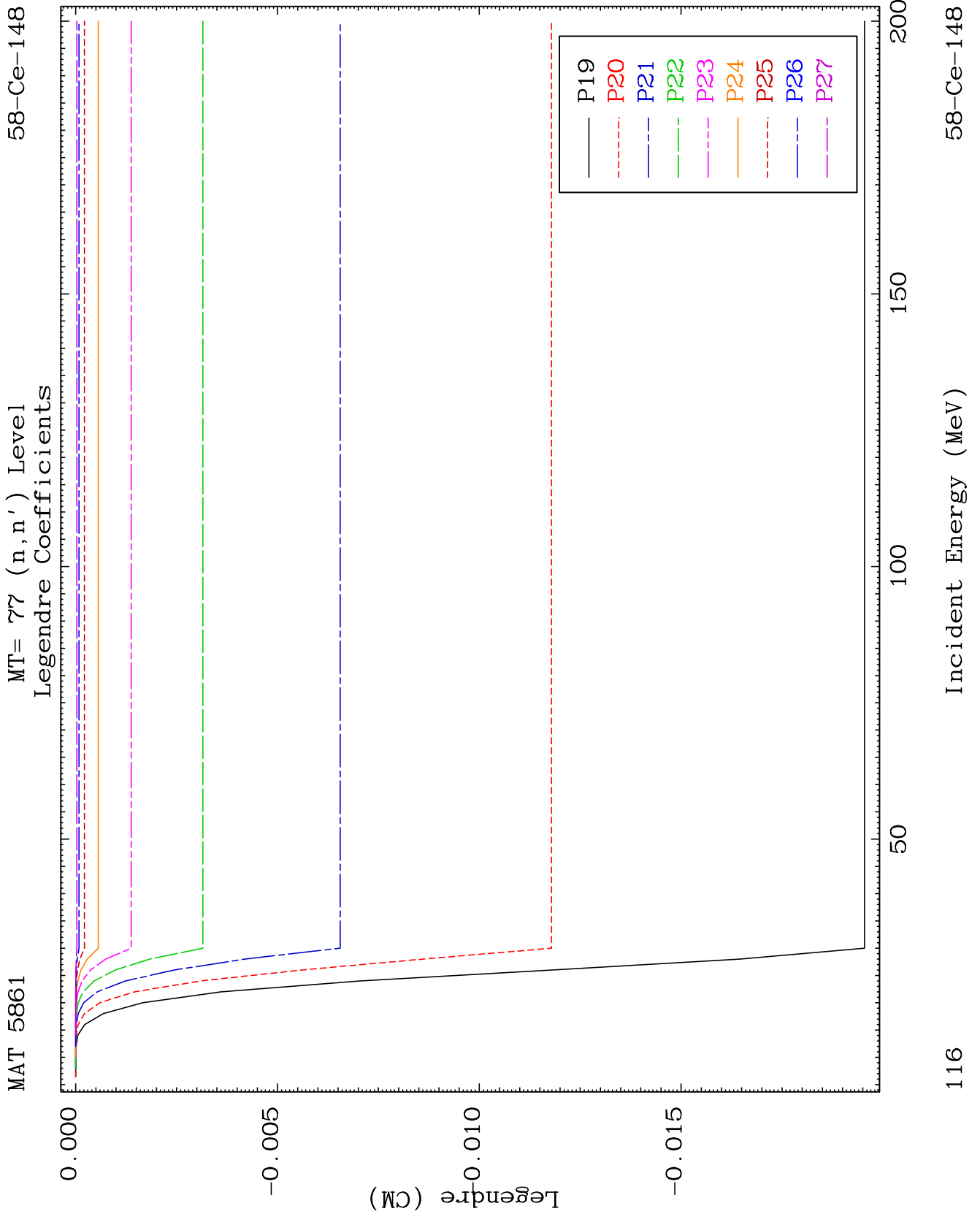
58-Ce-148

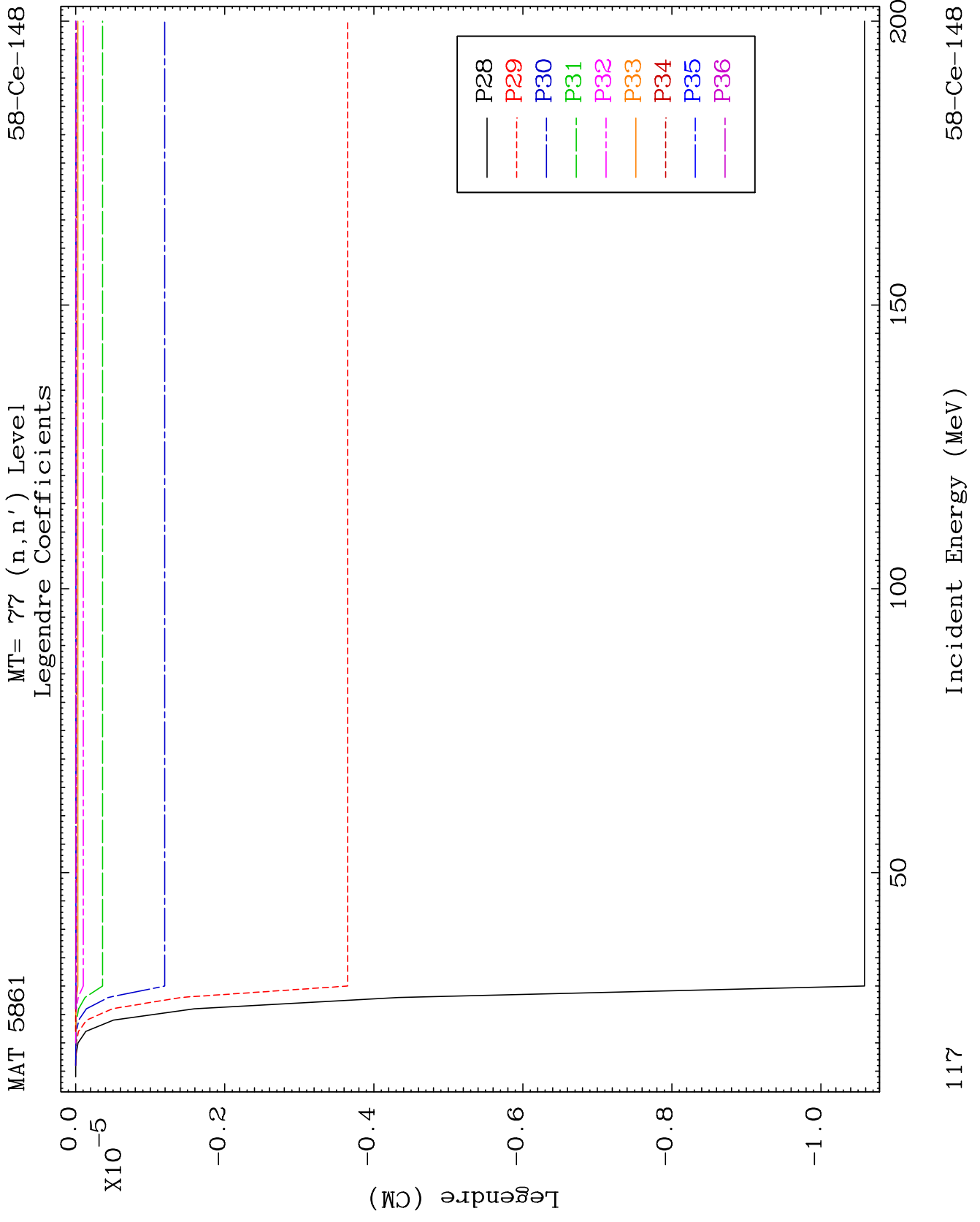


58-Ce-148

Incident Energy (MeV)

115

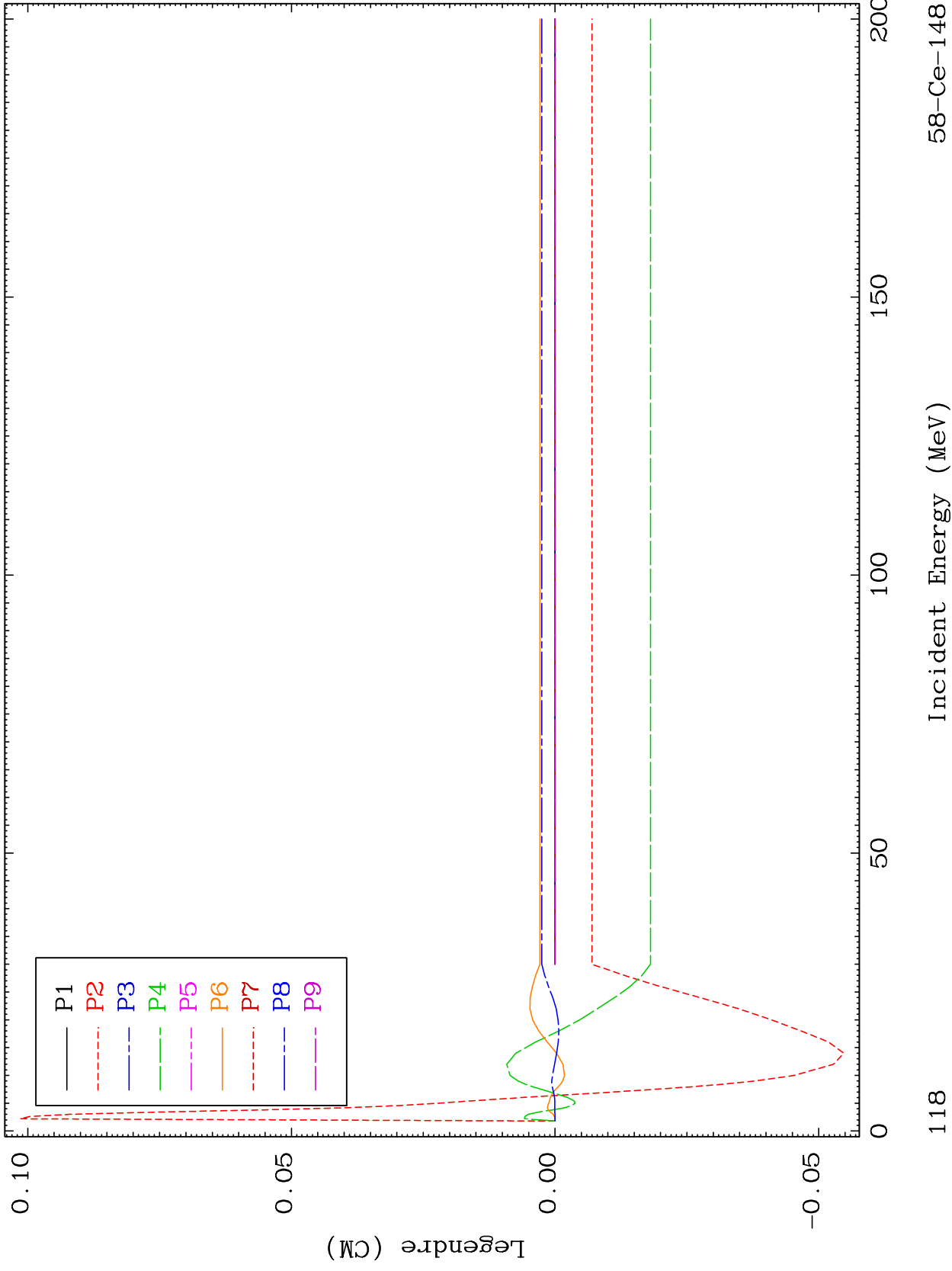




MAT 5861

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

58-Ce-148



58-Ce-148

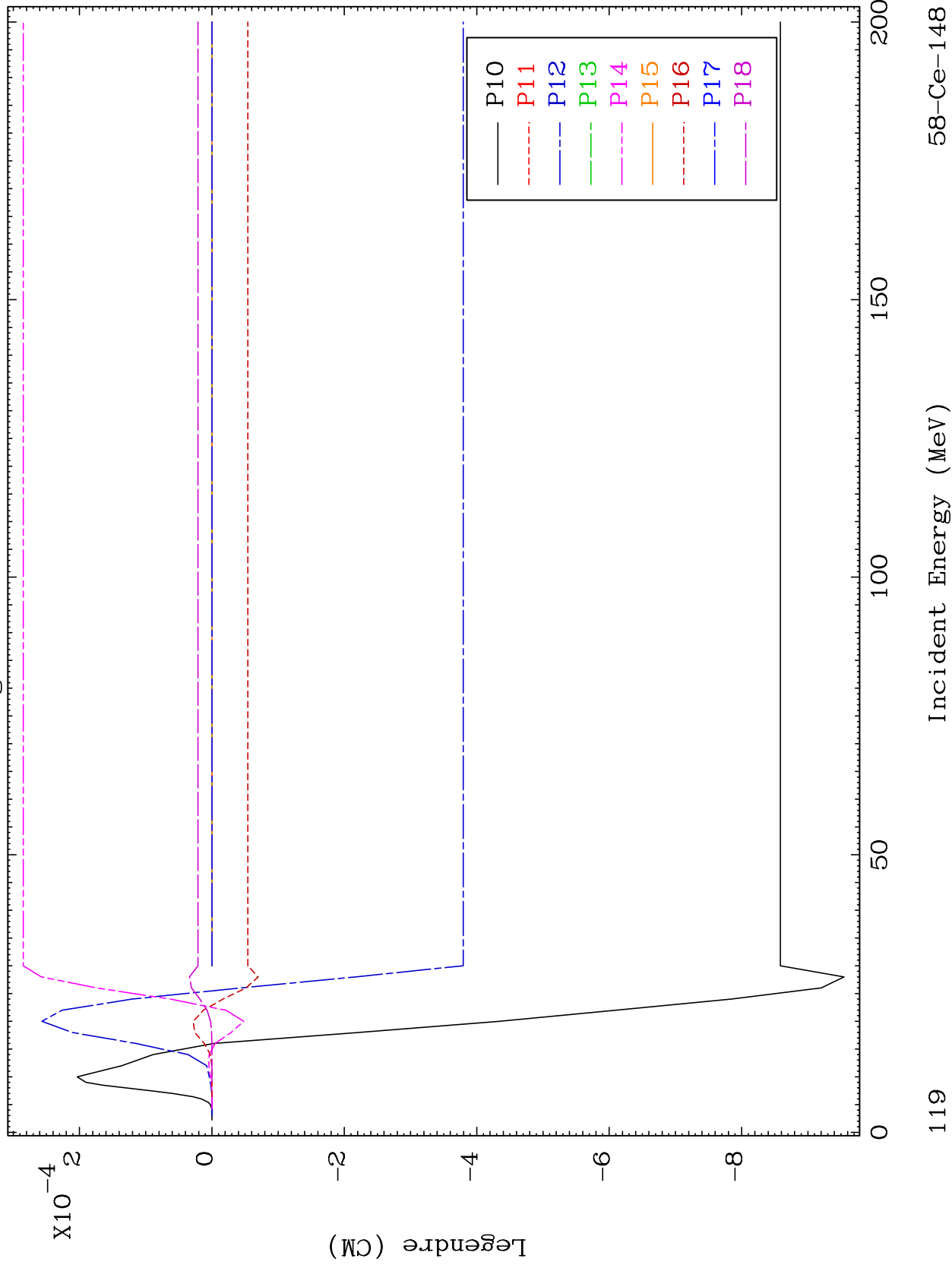
Incident Energy (MeV)

118

MAT 5861

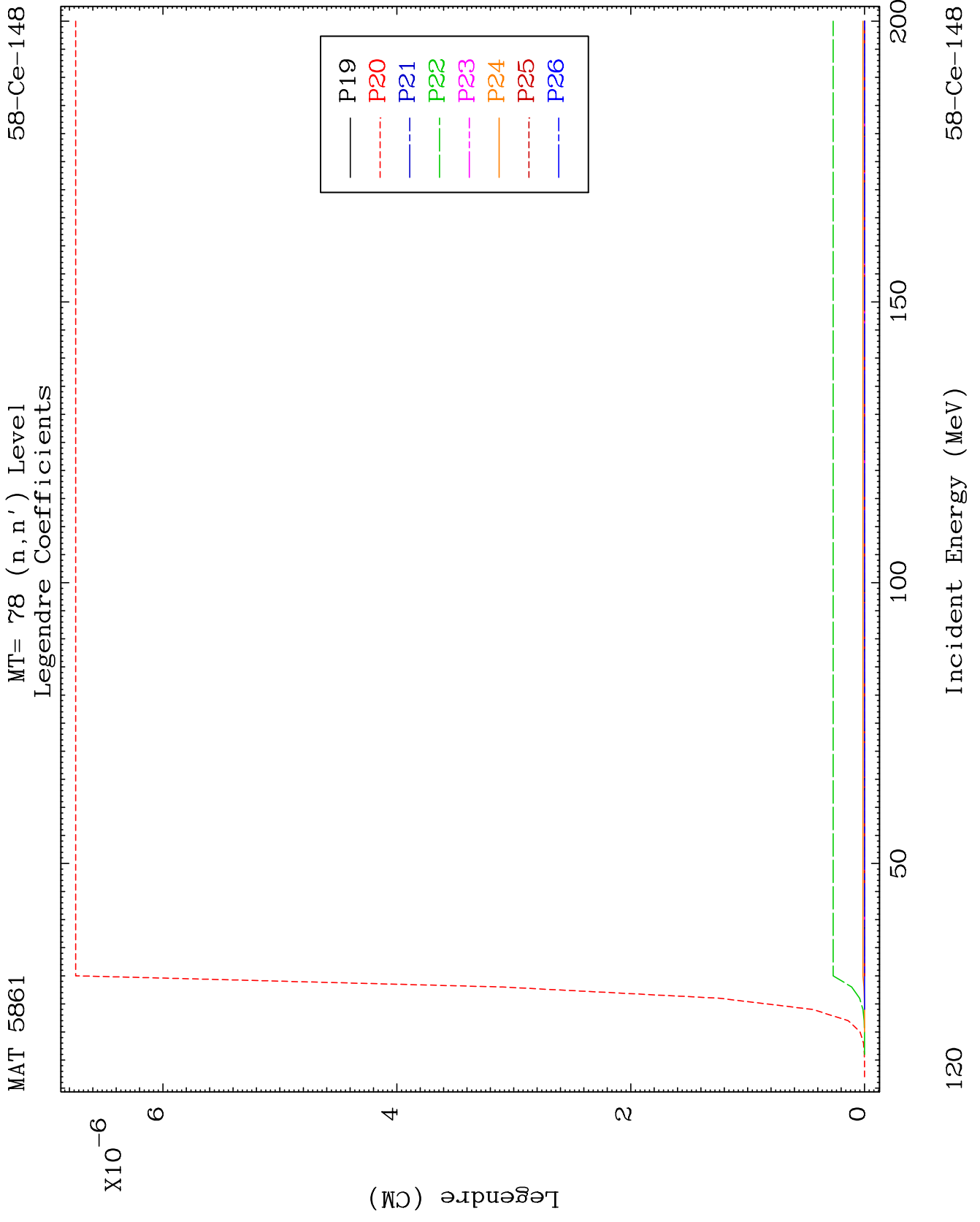
58-Ce-148

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



119

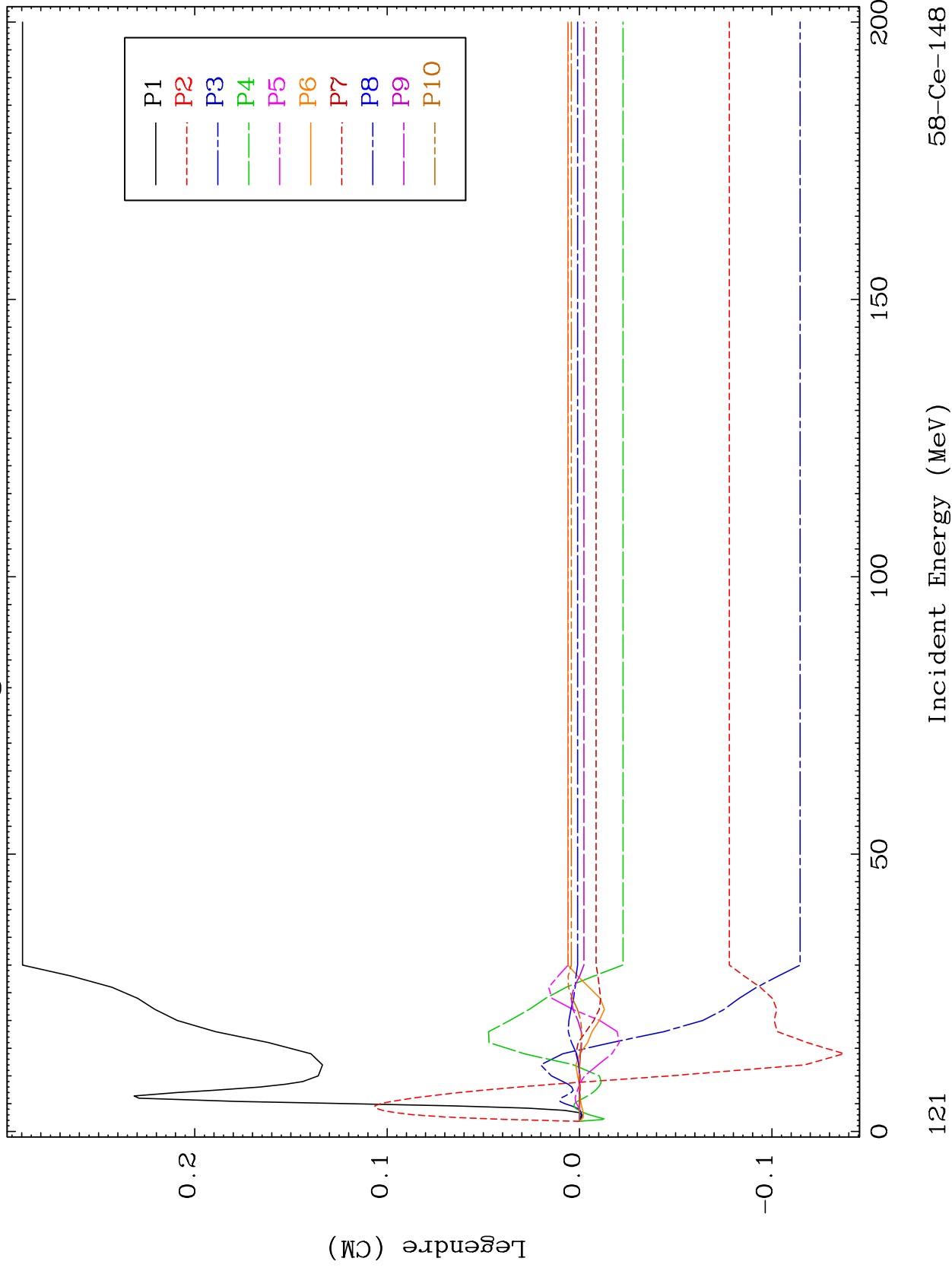
58-Ce-148



MAT 5861

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

58-Ce-148



58-Ce-148

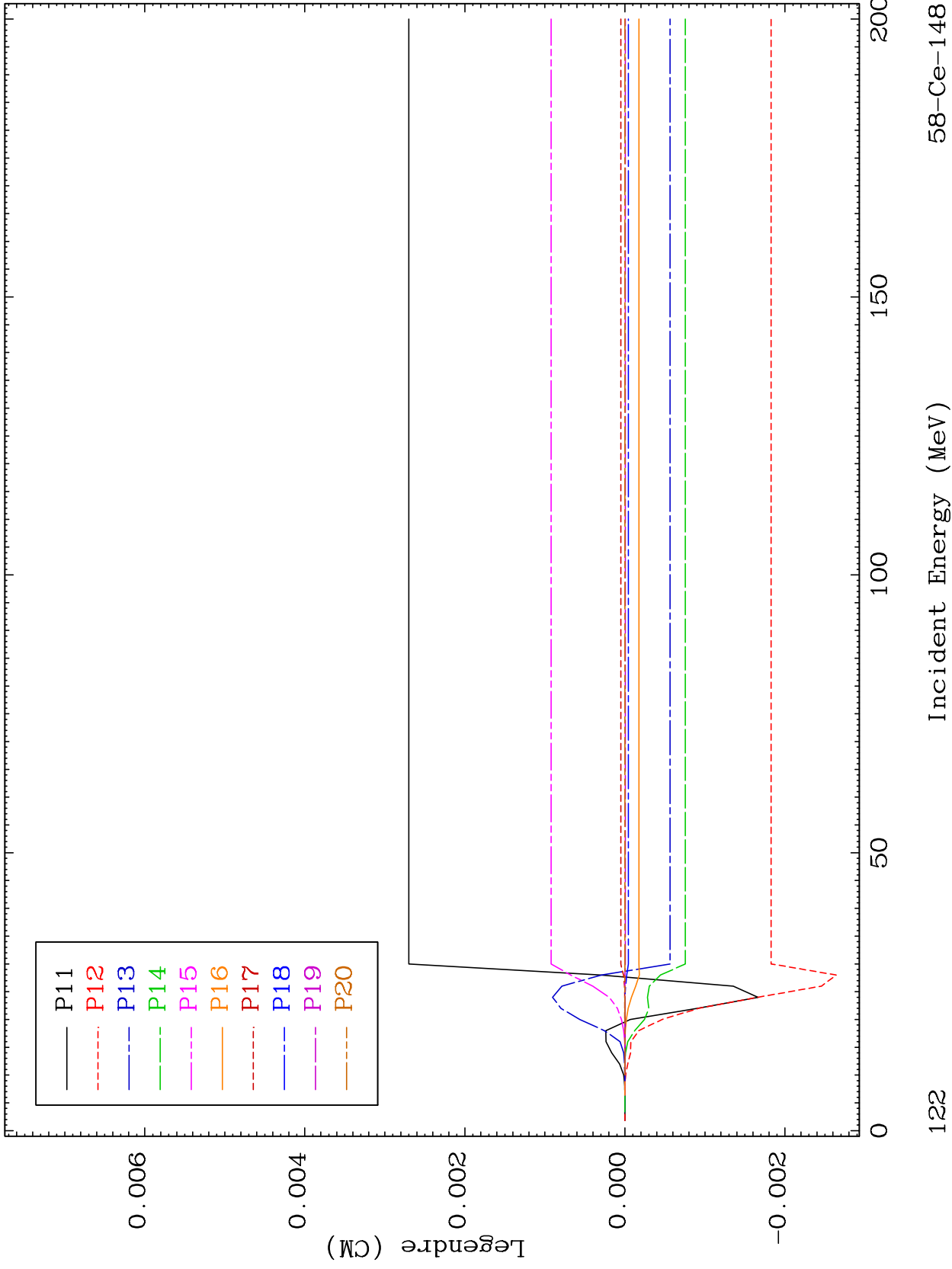
Incident Energy (MeV)

121

MAT 5861

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

58-Ce-148



122

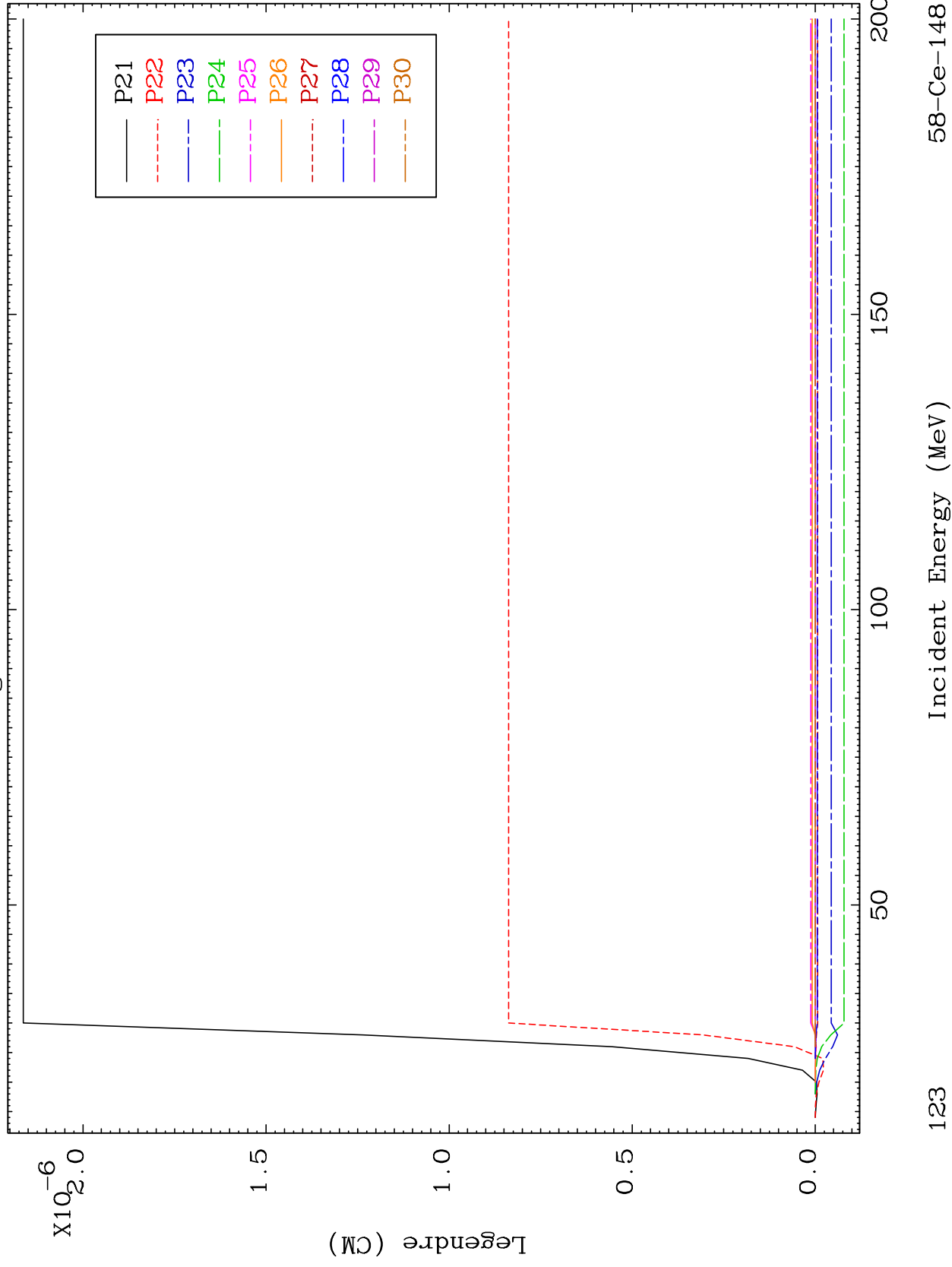
Incident Energy (MeV)

58-Ce-148

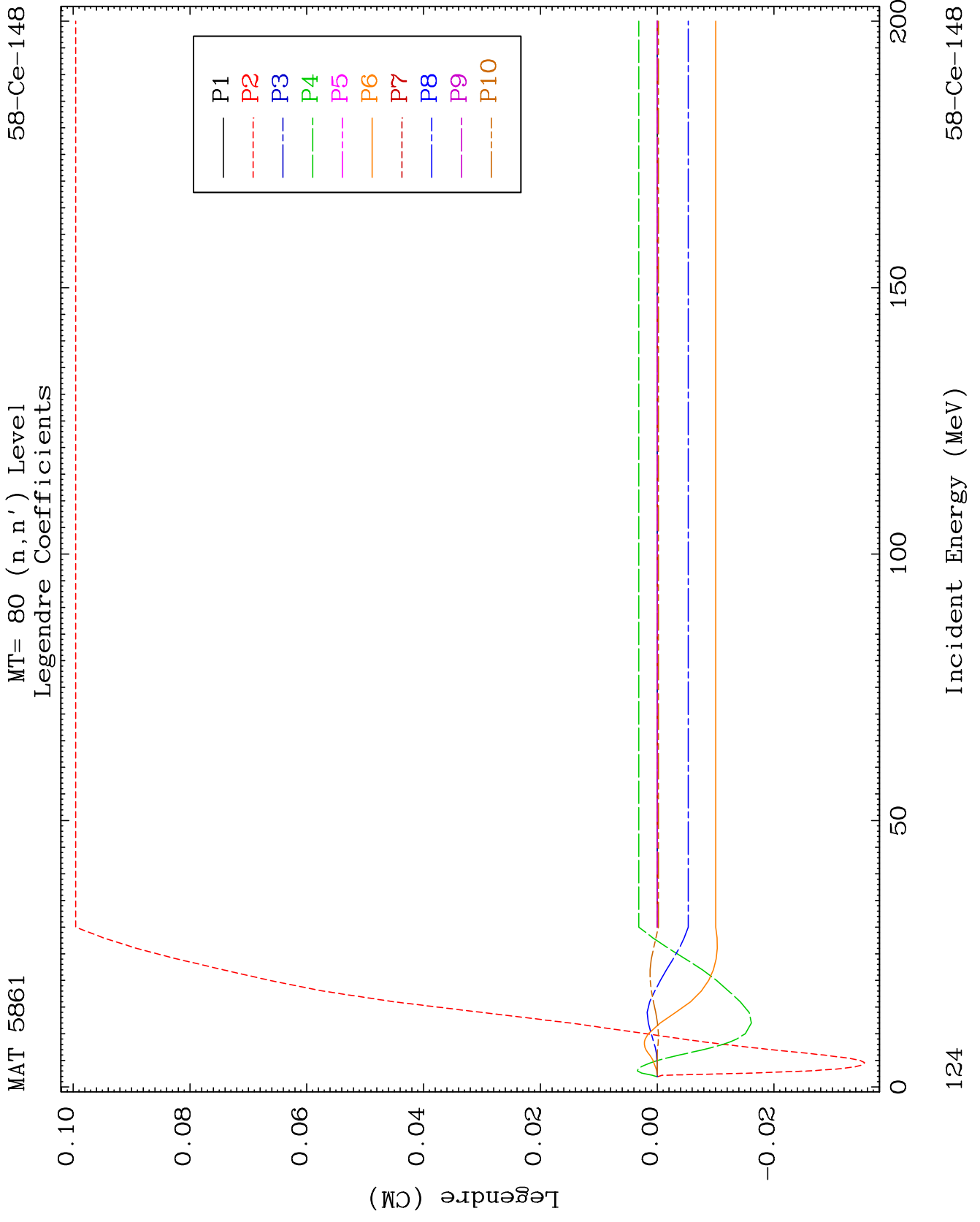
MAT 5861

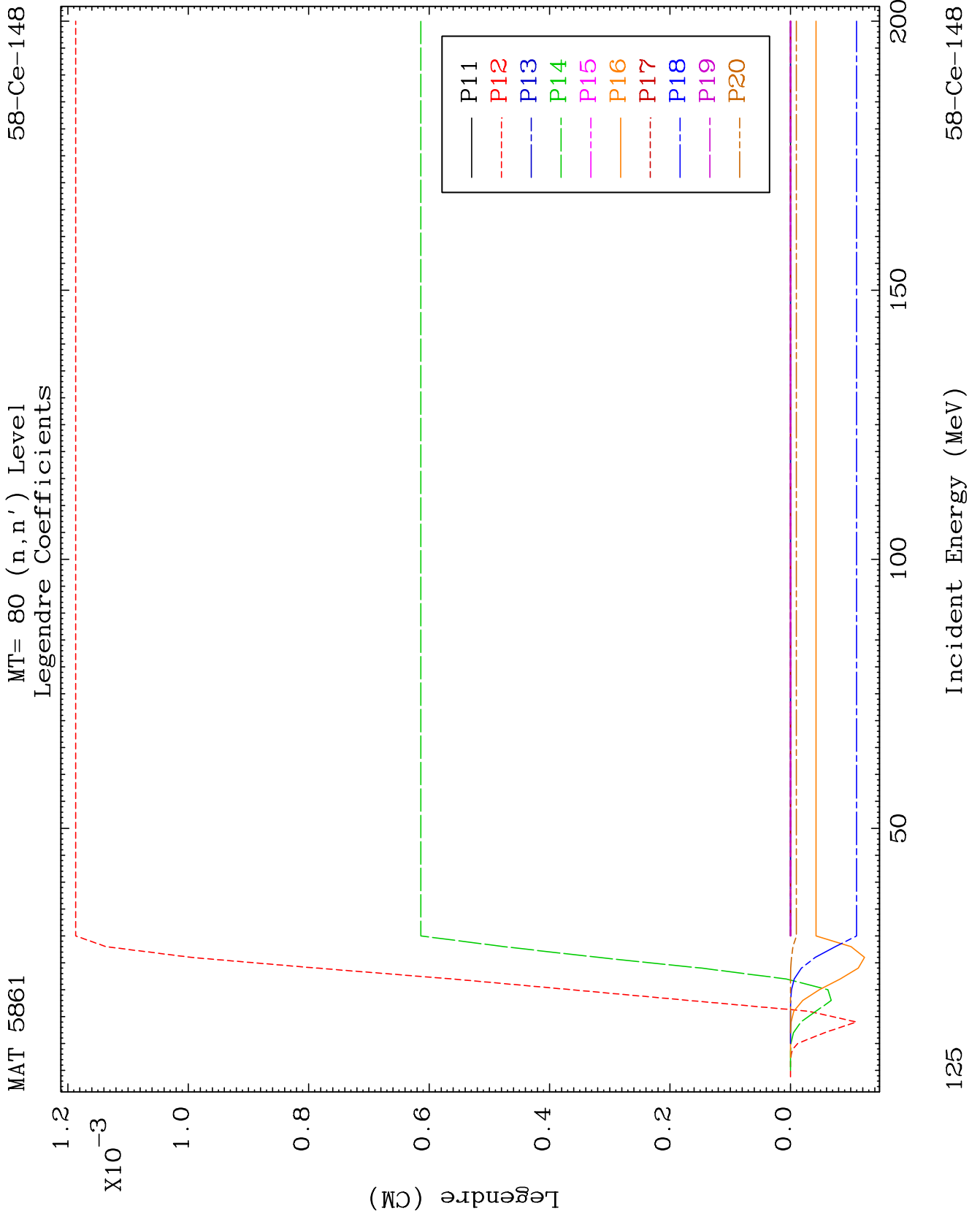
MT= 79 (n,n') Level
Legendre Coefficients

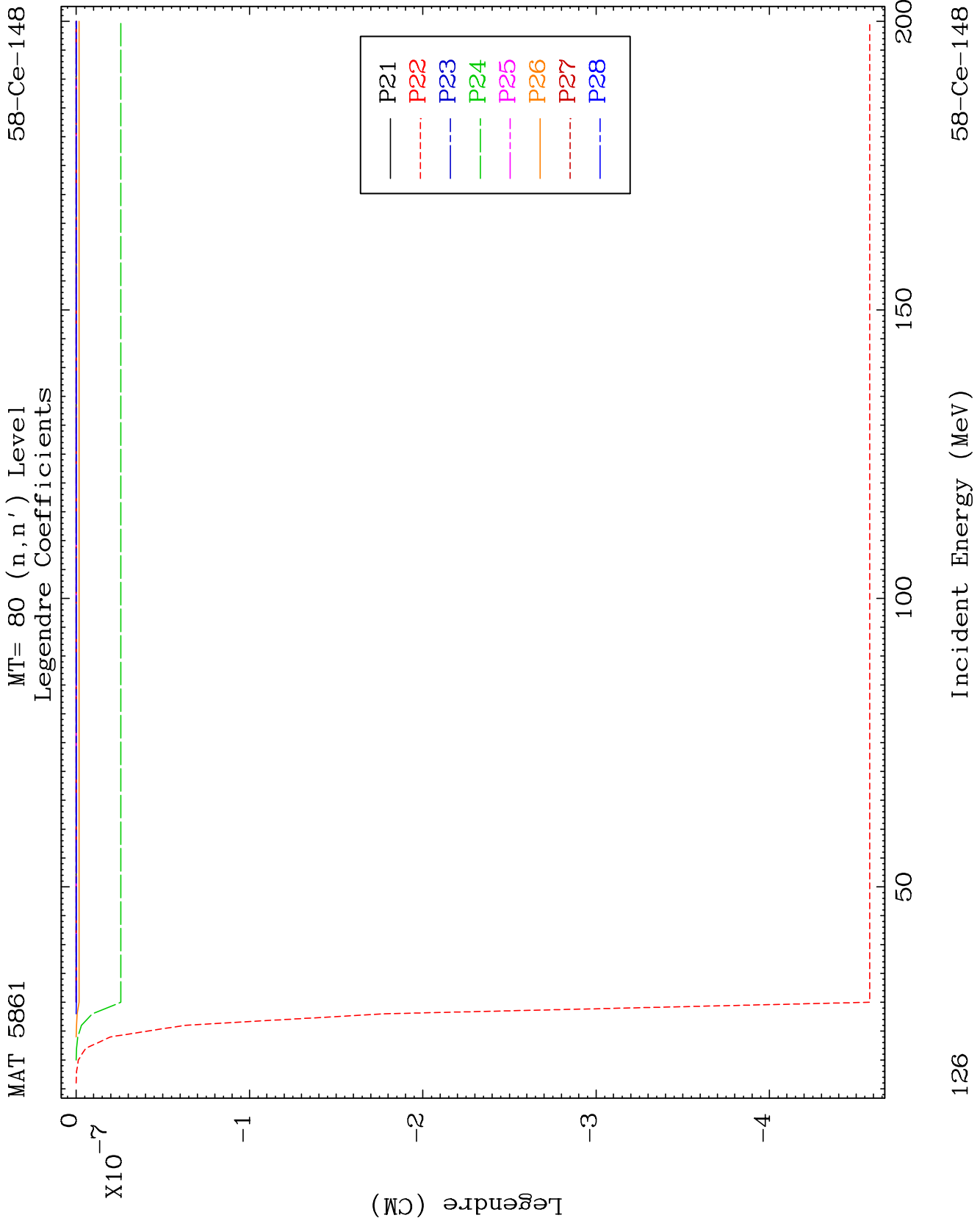
58-Ce-148



123





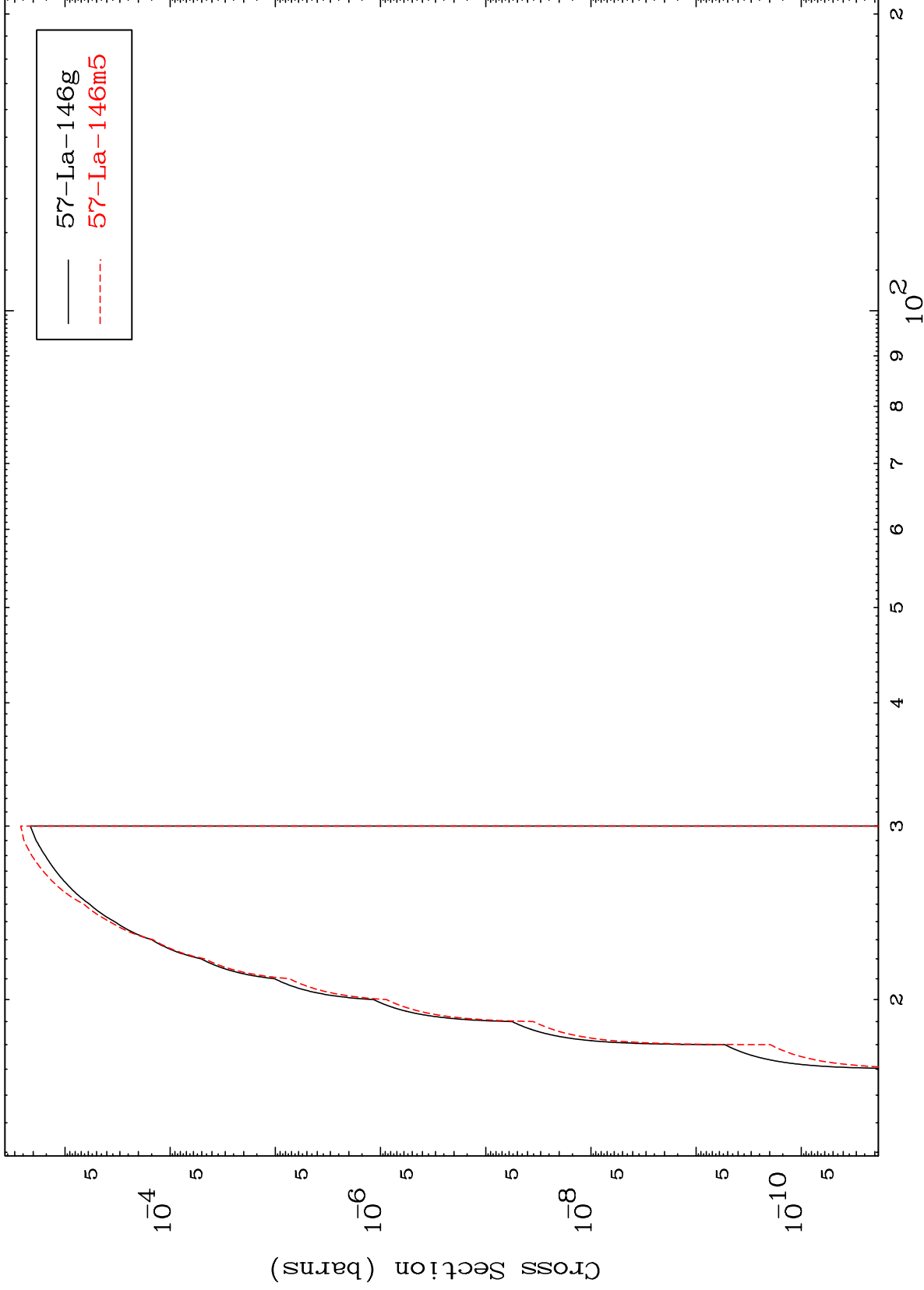


MAT 5861

(n,n') d

58-Ce-148

Radionuclide Production Cross Section



127

Incident Energy (MeV)

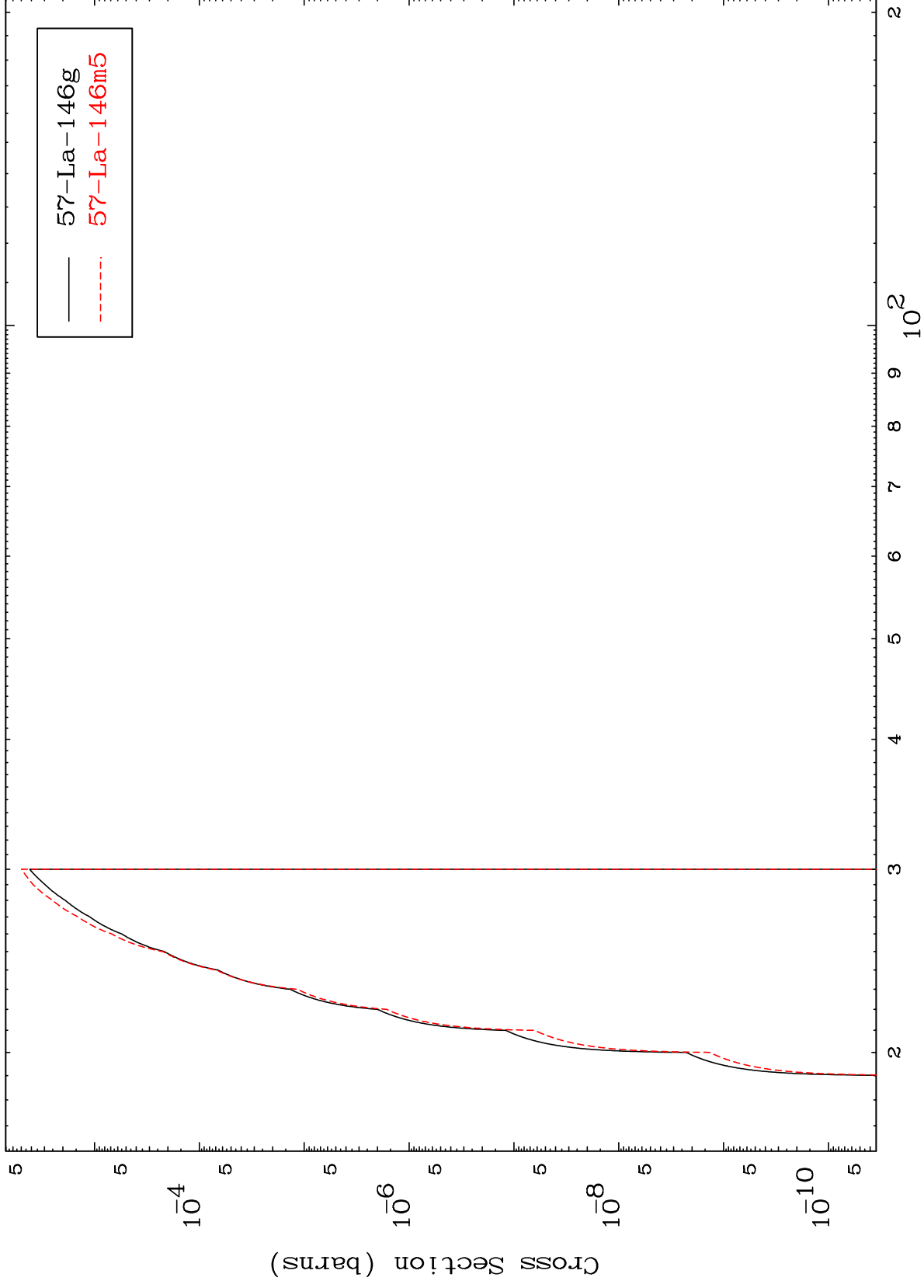
58-Ce-148

MAT 5861

(n,2n) p

58-Ce-148

Radionuclide Production Cross Section



128

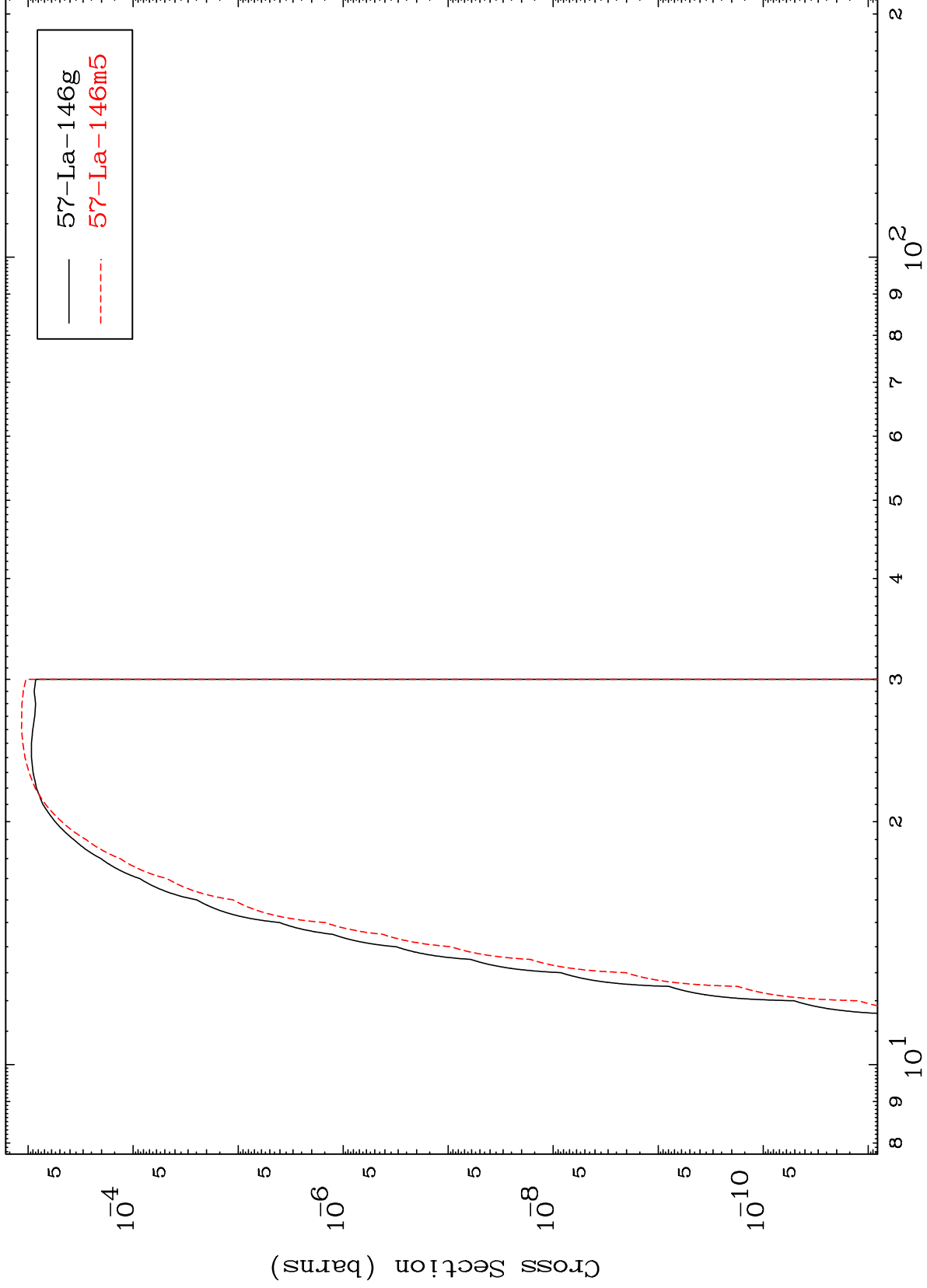
Incident Energy (MeV)

58-Ce-148

MAT 5861

58-Ce-148

(n,t)
Radionuclide Production Cross Section



129

Incident Energy (MeV)

58-Ce-148