

Program EVALPLOT  
(Version 2018-1)

by

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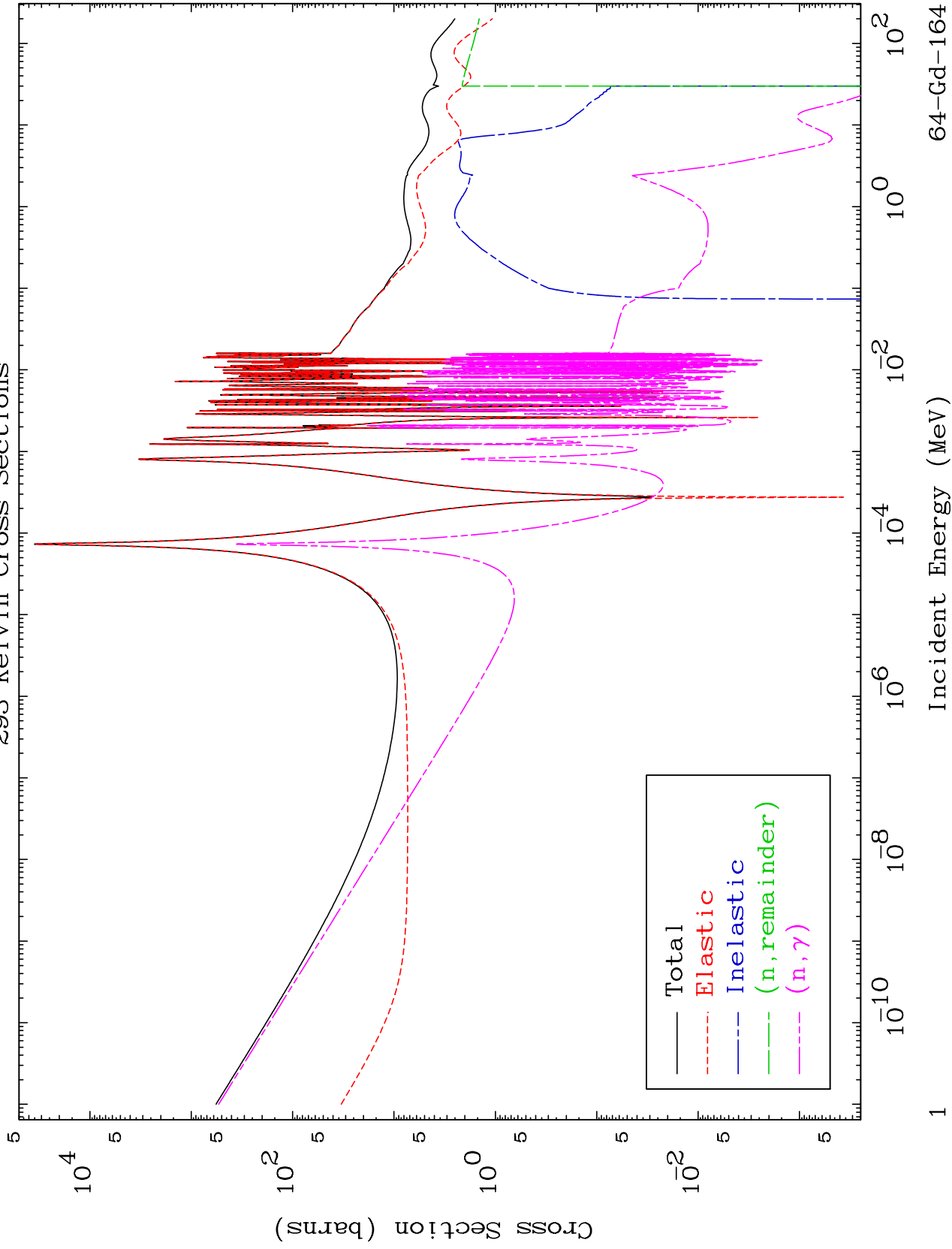
Press Mouse Button to Start

MAT 6461

Major

293 Kelvin Cross Sections

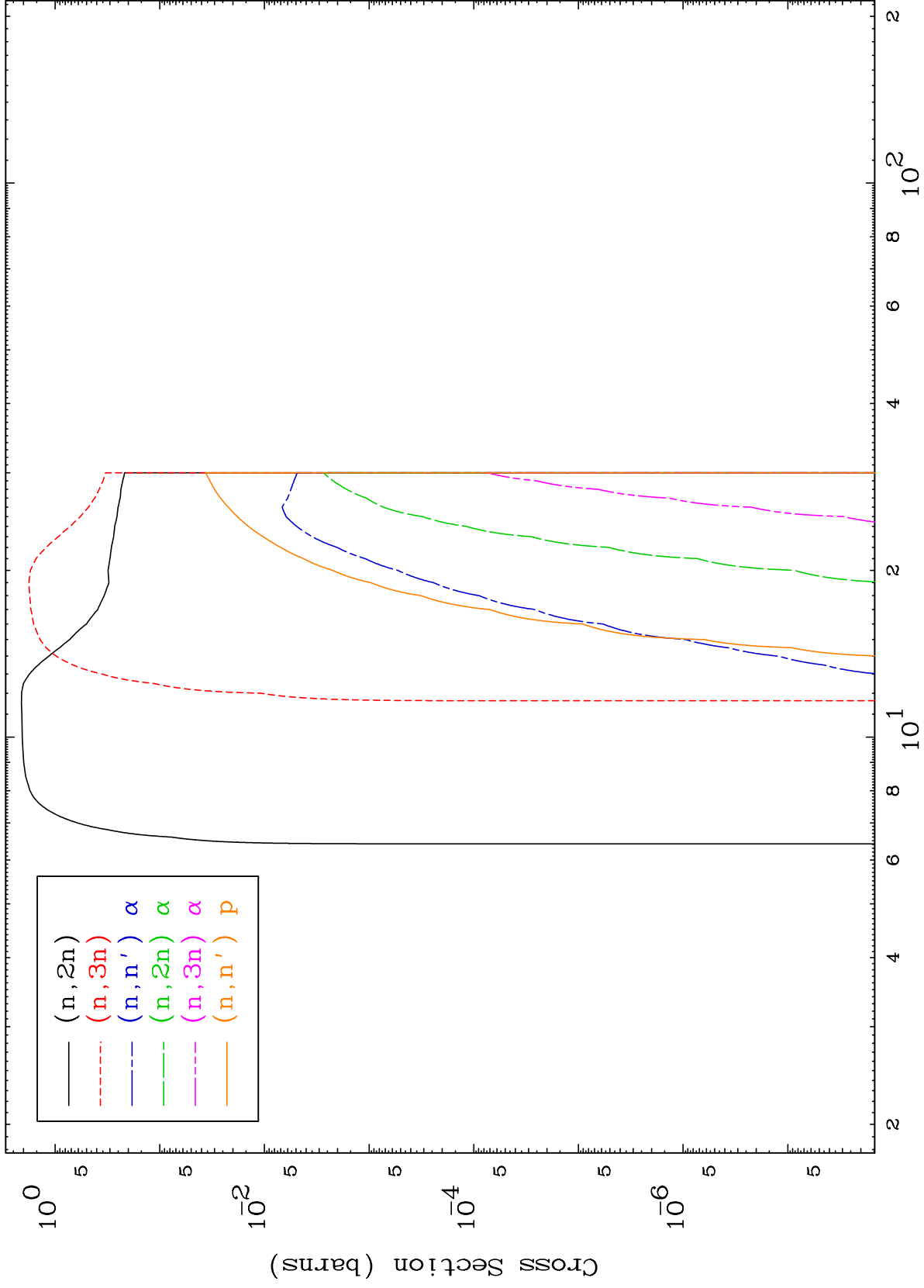
64-Gd-164



MAT 6461

Neutron Production  
293 Kelvin Cross Sections

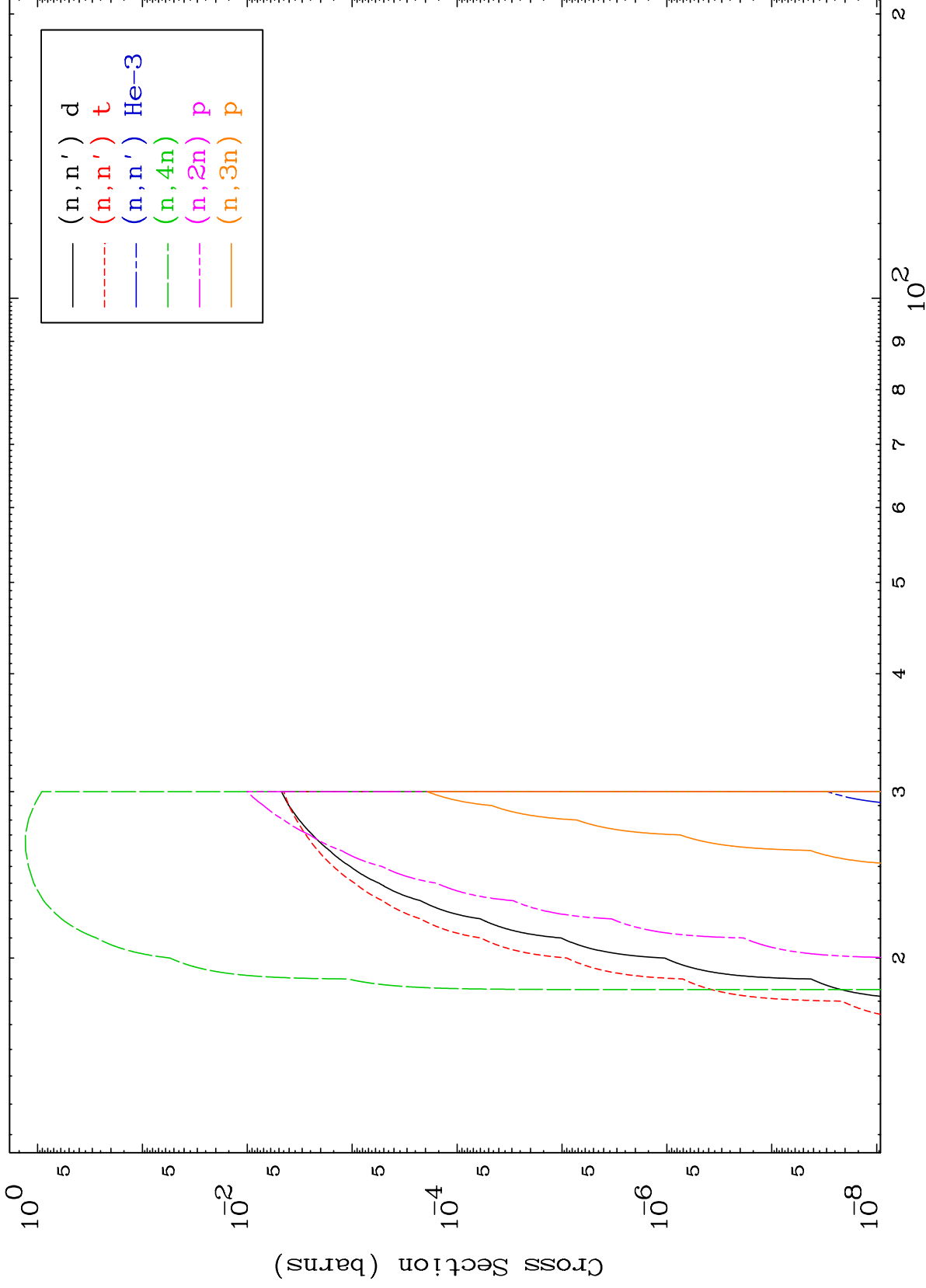
64-Gd-164



2

Incident Energy (MeV)

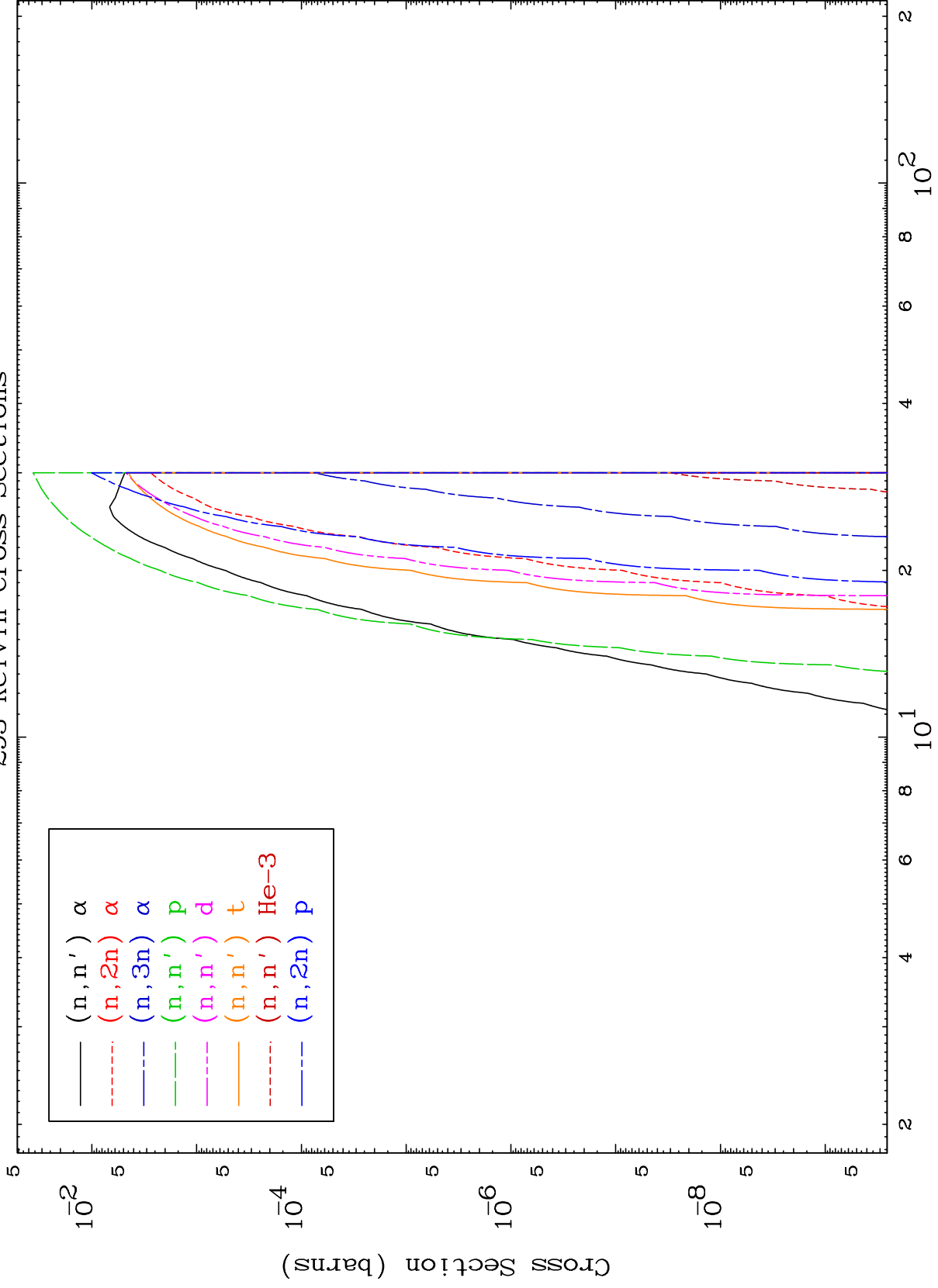
64-Gd-164



MAT 6461

Charged Particle  
293 Kelvin Cross Sections

64-Gd-164



4

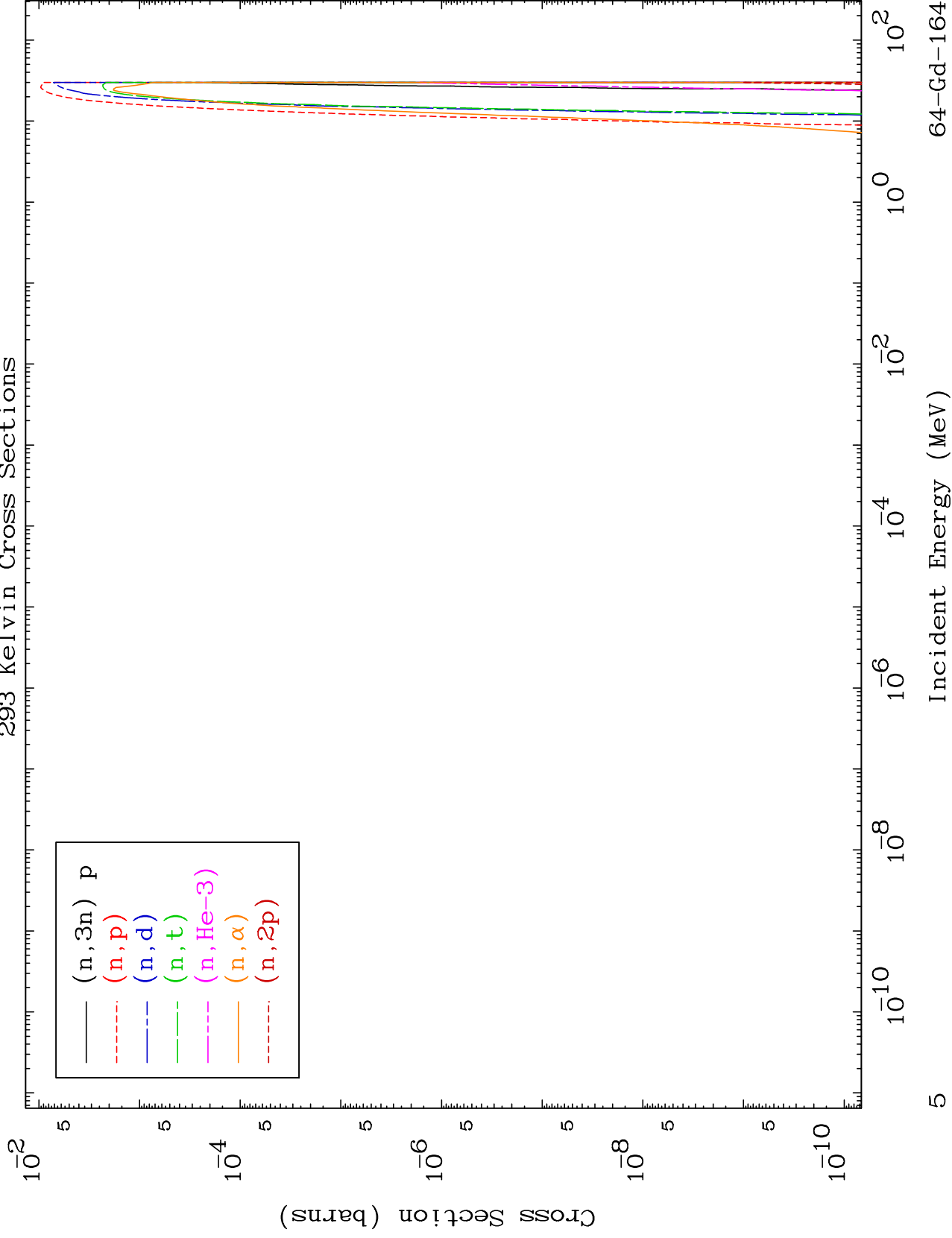
Incident Energy (MeV)

64-Gd-164

MAT 6461

Charged Particle  
293 Kelvin Cross Sections

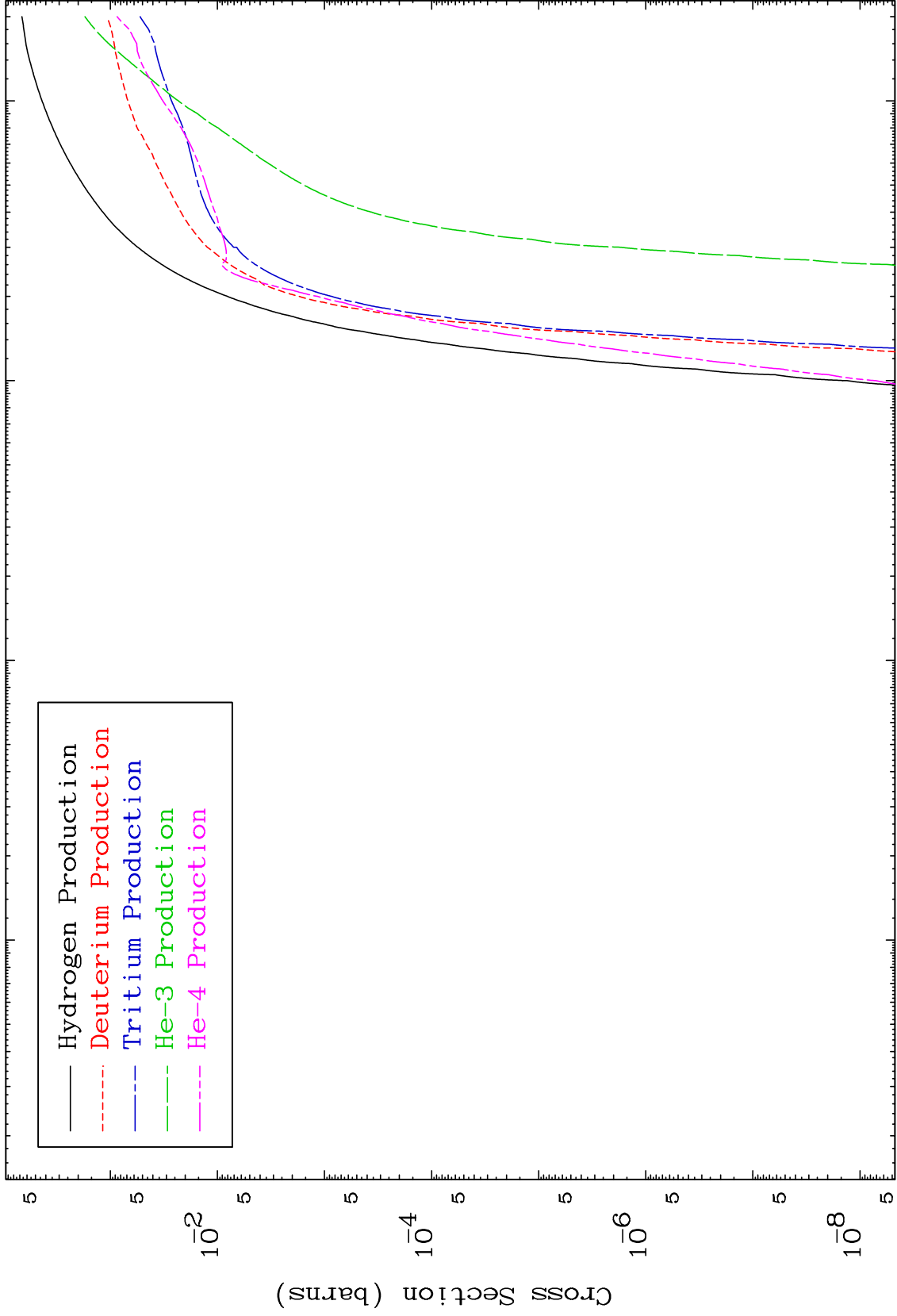
64-Gd-164



MAT 6461

Particle Production  
293 Kelvin Cross Sections

64-Gd-164



6

Incident Energy (MeV)

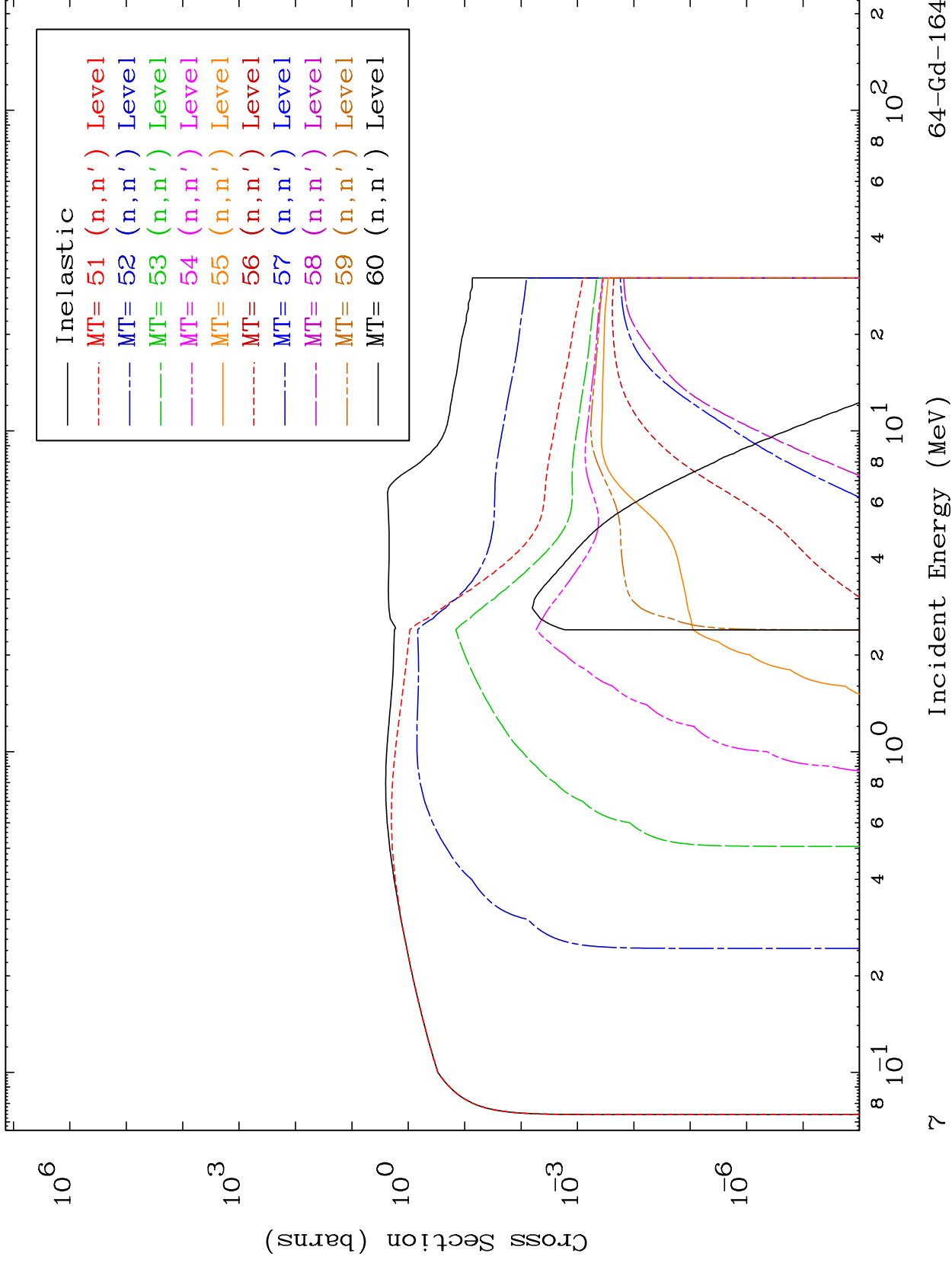
64-Gd-164

MAT 6461

(n,n') Level

64-Gd-164

293 Kelvin Cross Sections



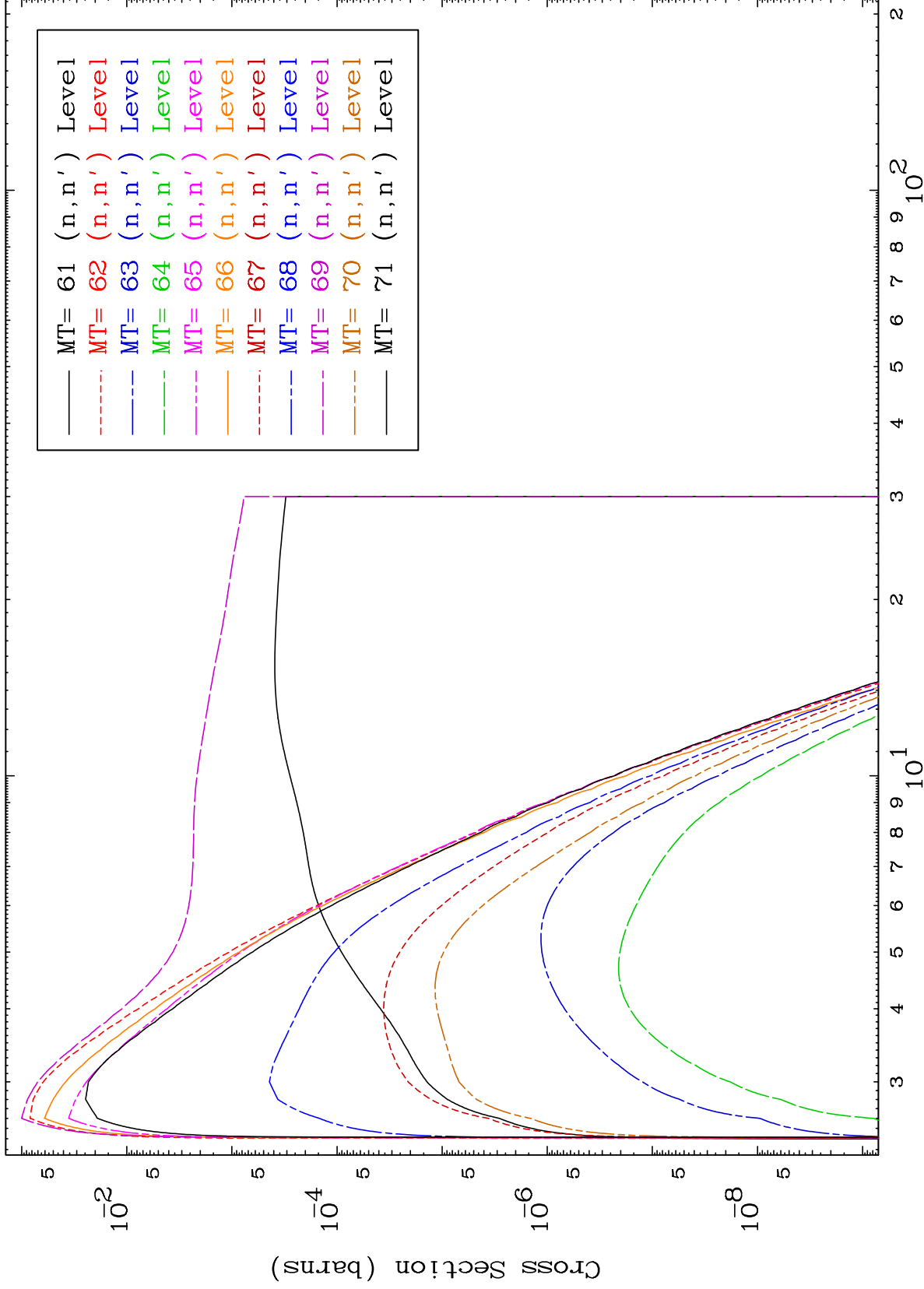


MAT 6461

(n,n') Level

64-Gd-164

293 Kelvin Cross Sections



8

Incident Energy (MeV)

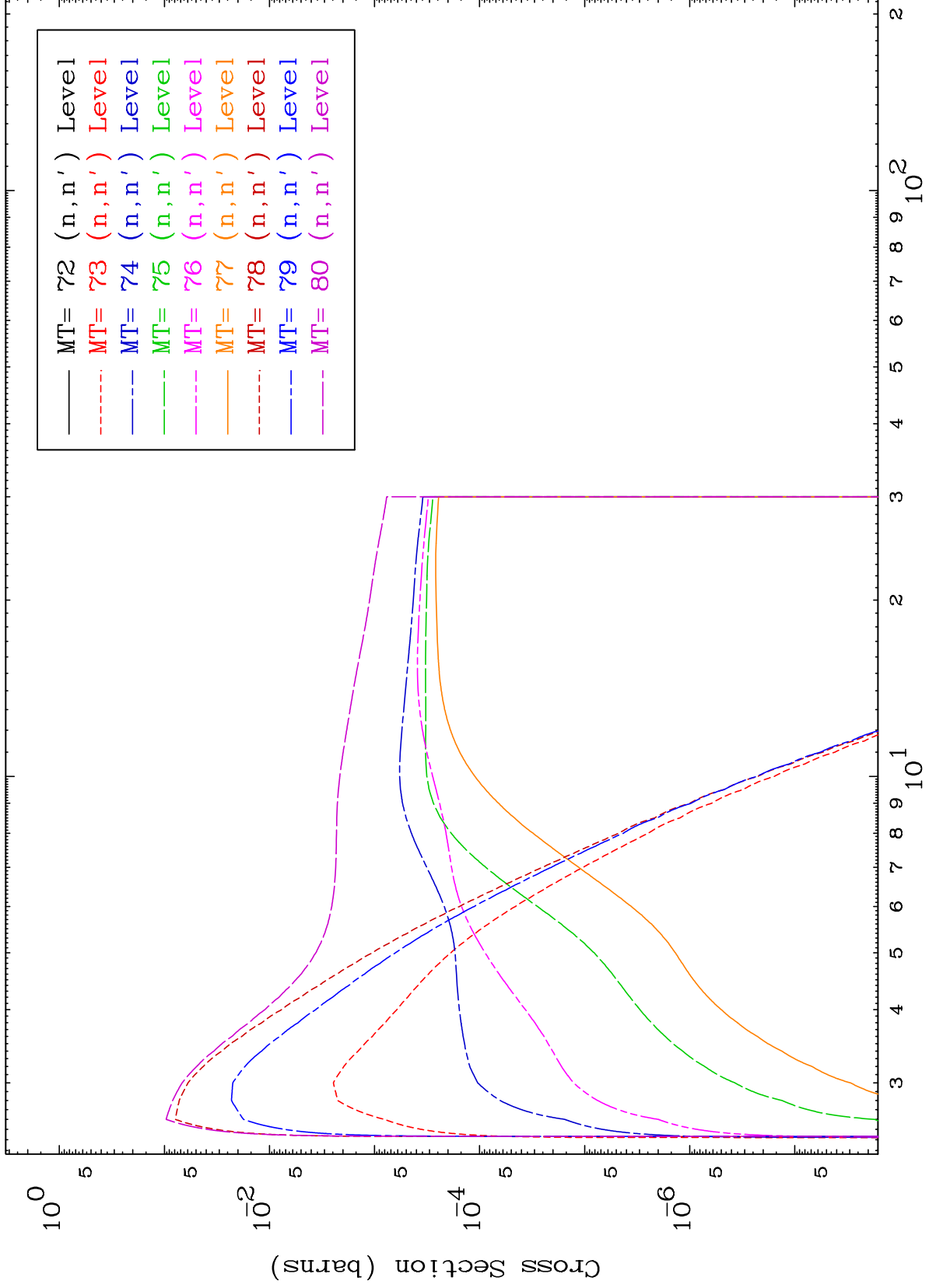
64-Gd-164

MAT 6461

(n,n') Level

64-Gd-164

293 Kelvin Cross Sections



9

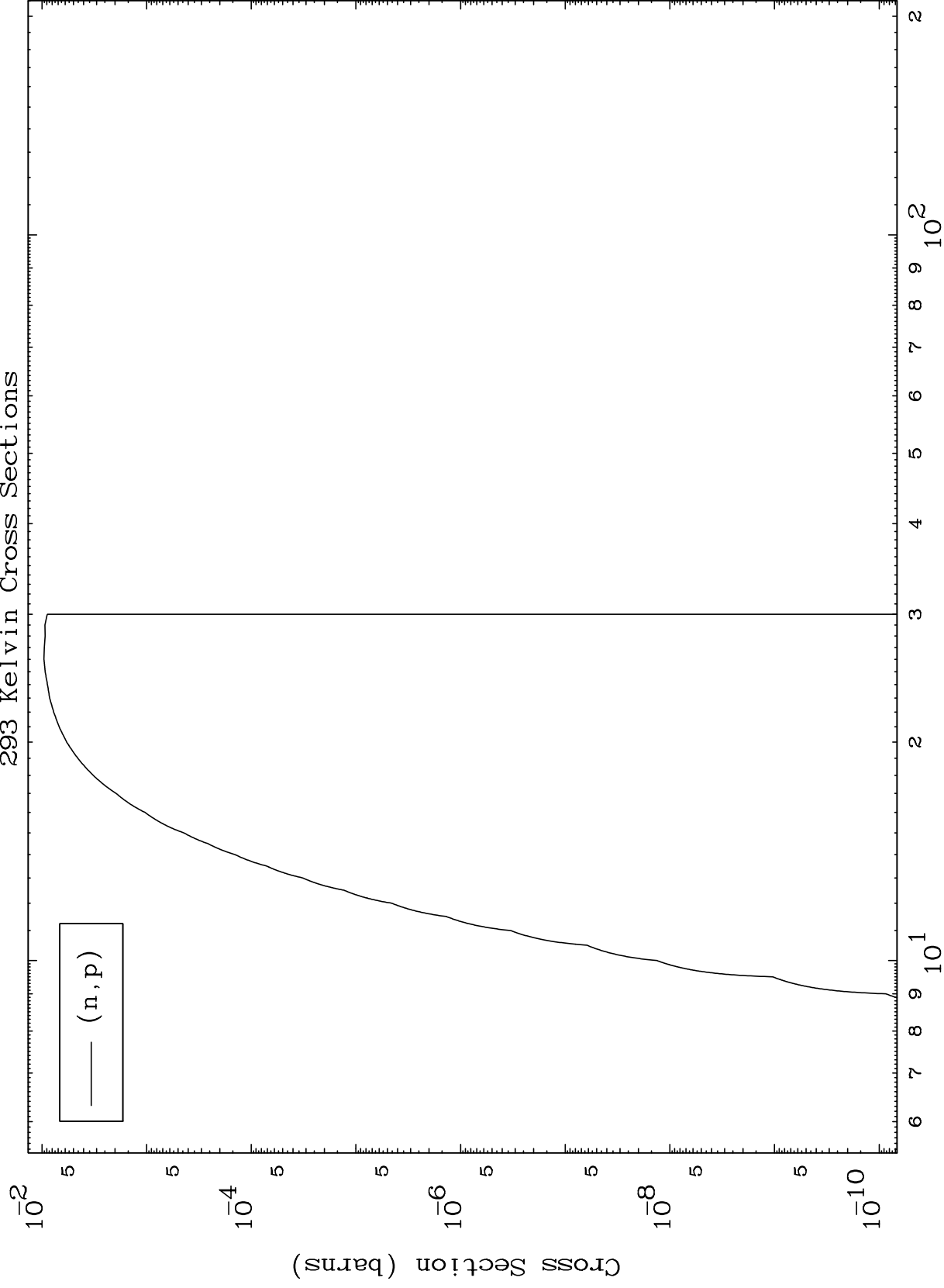
Incident Energy (MeV)

64-Gd-164

MAT 6461

64-Gd-164

(n,p) Levels  
293 Kelvin Cross Sections



64-Gd-164

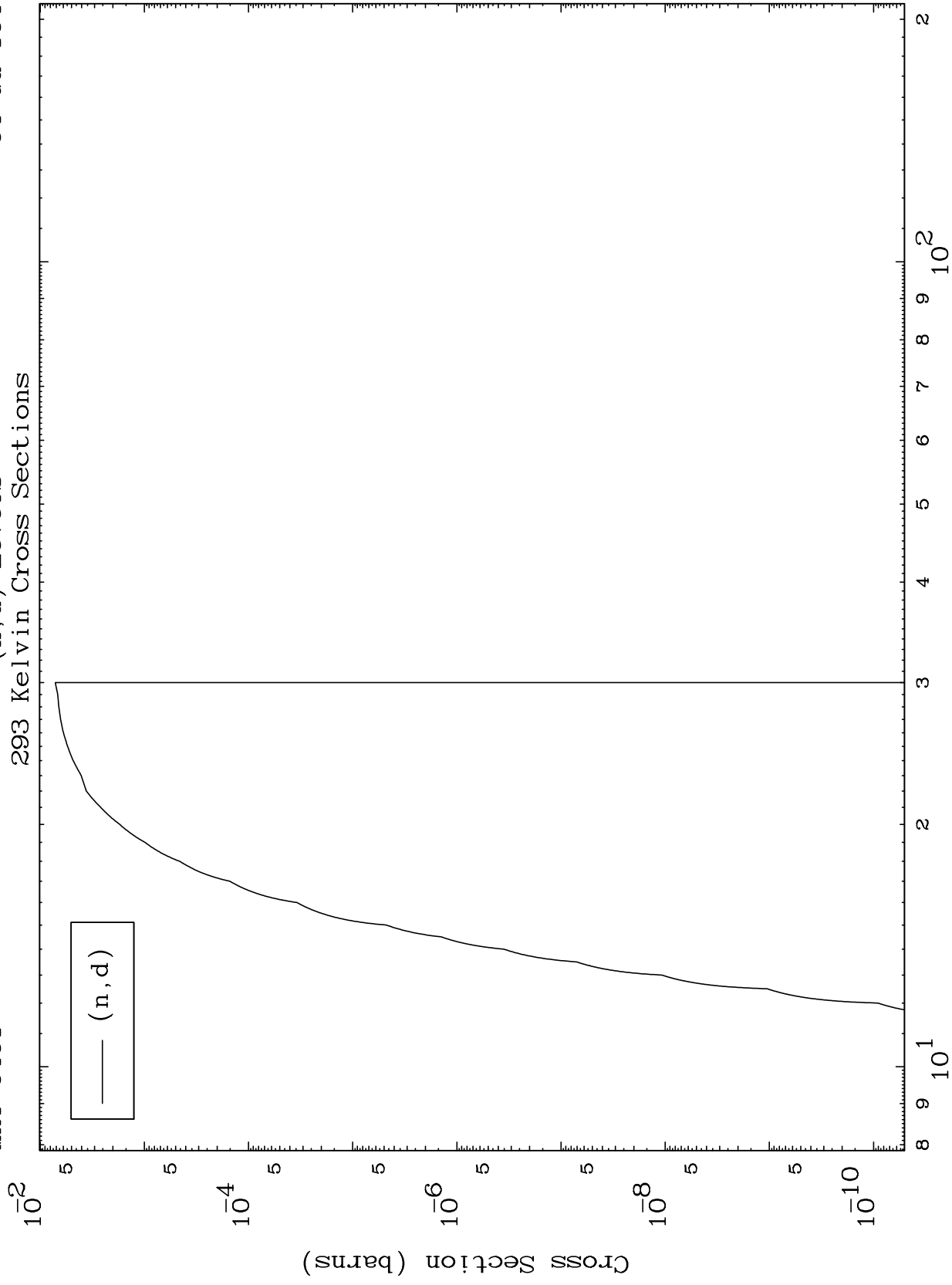
Incident Energy (MeV)

10

MAT 6461

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-164



11

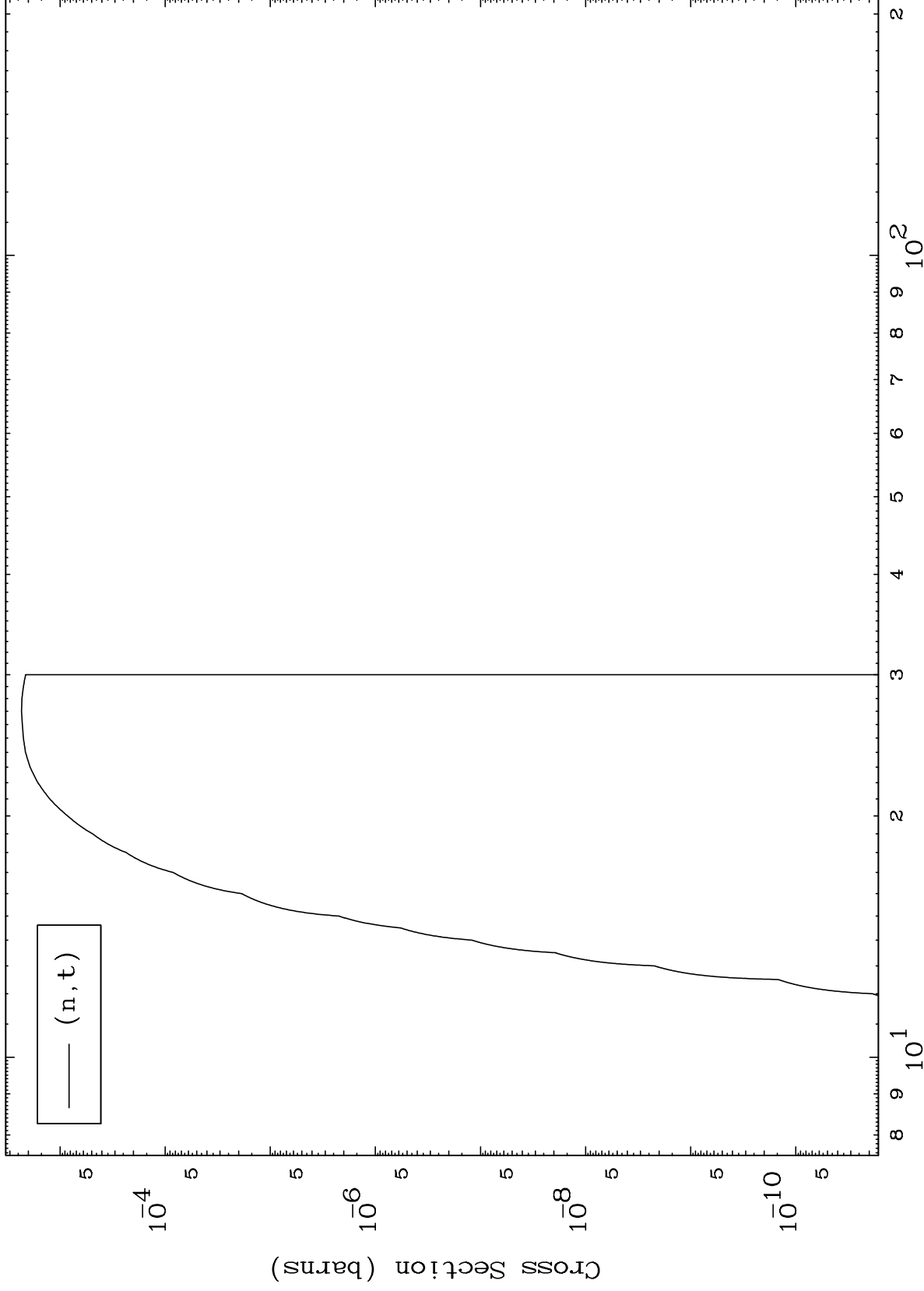
Incident Energy (MeV)

64-Gd-164

MAT 6461

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-164



12

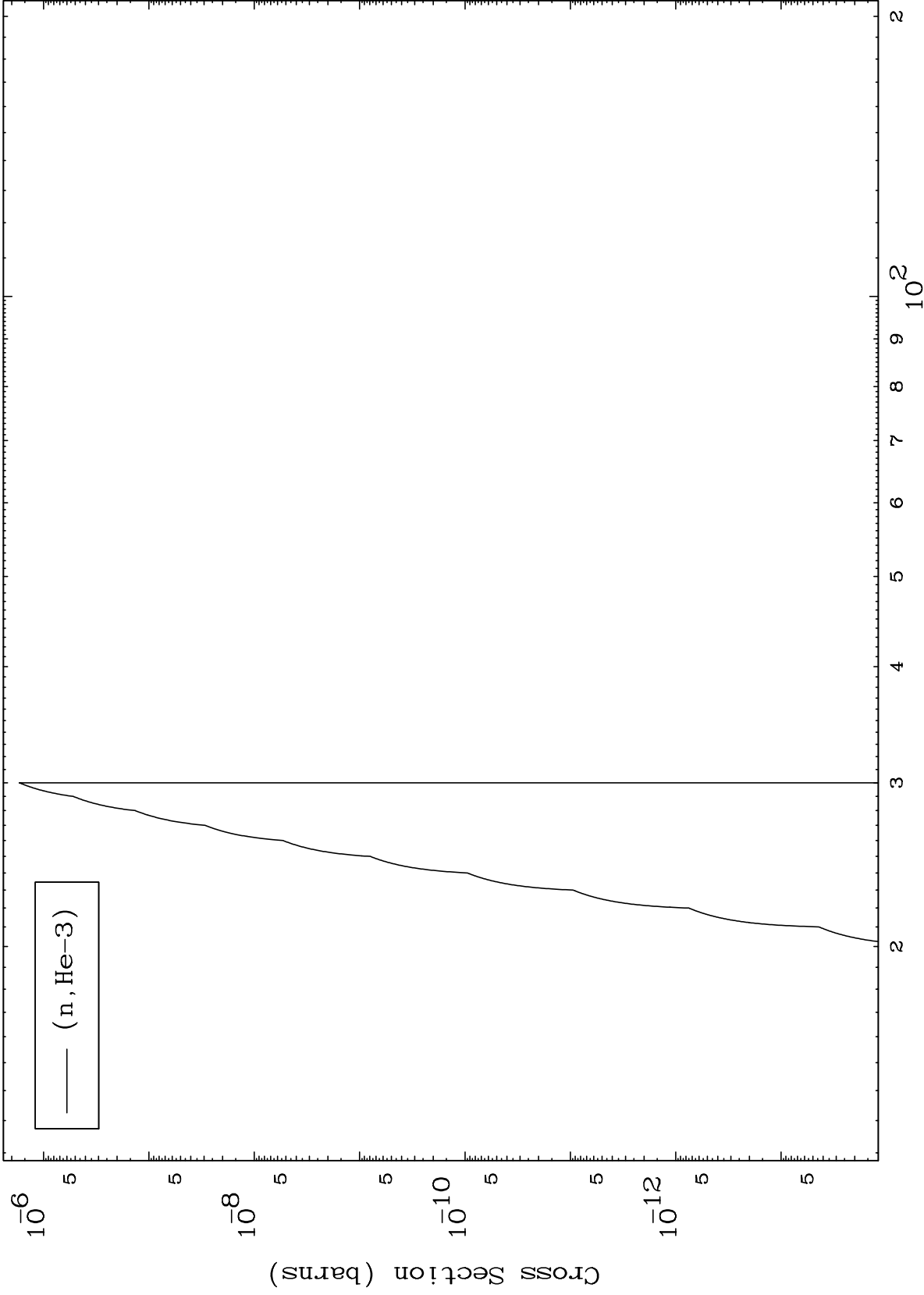
Incident Energy (MeV)

64-Gd-164

MAT 6461

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-164



13

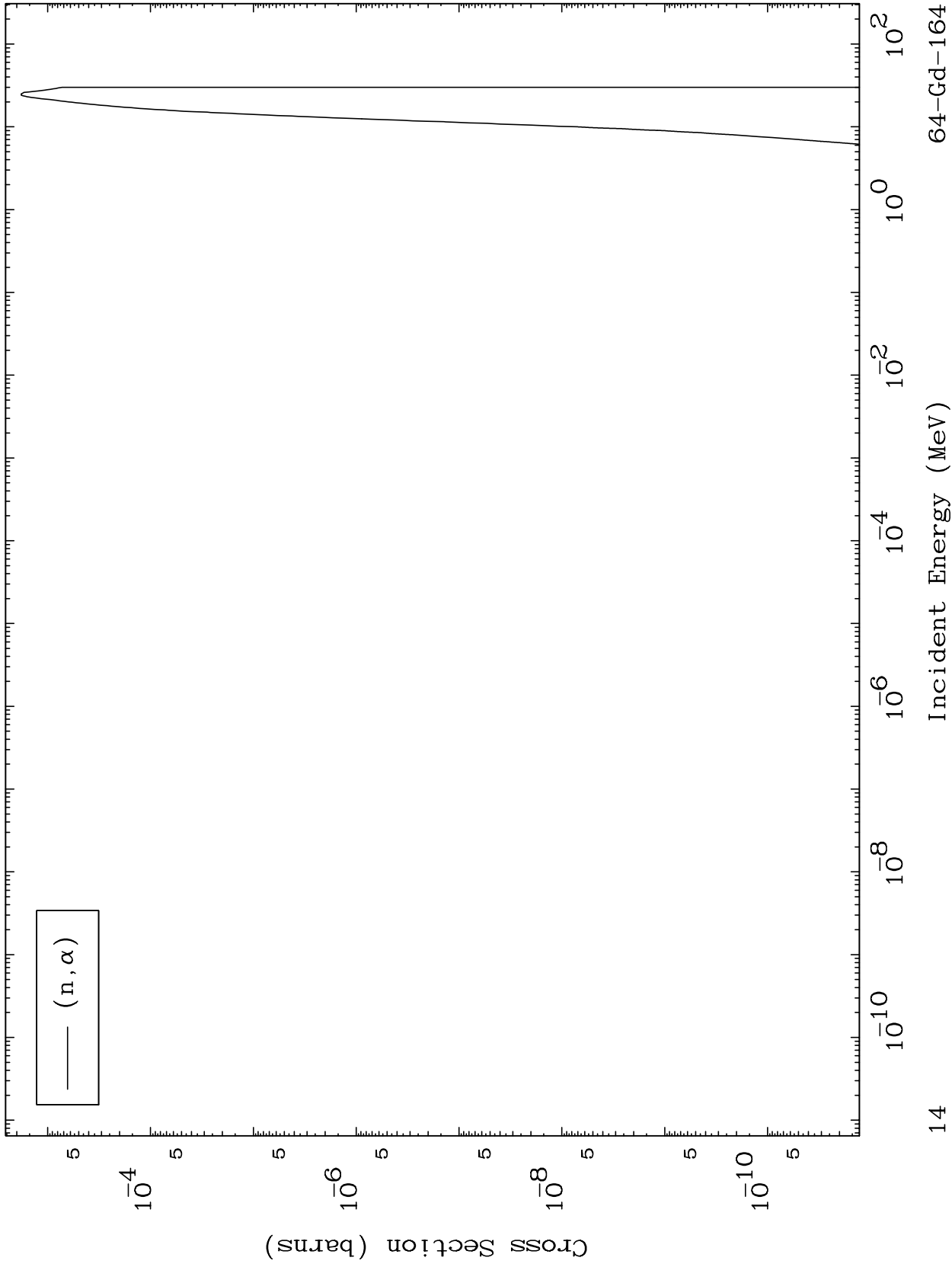
Incident Energy (MeV)

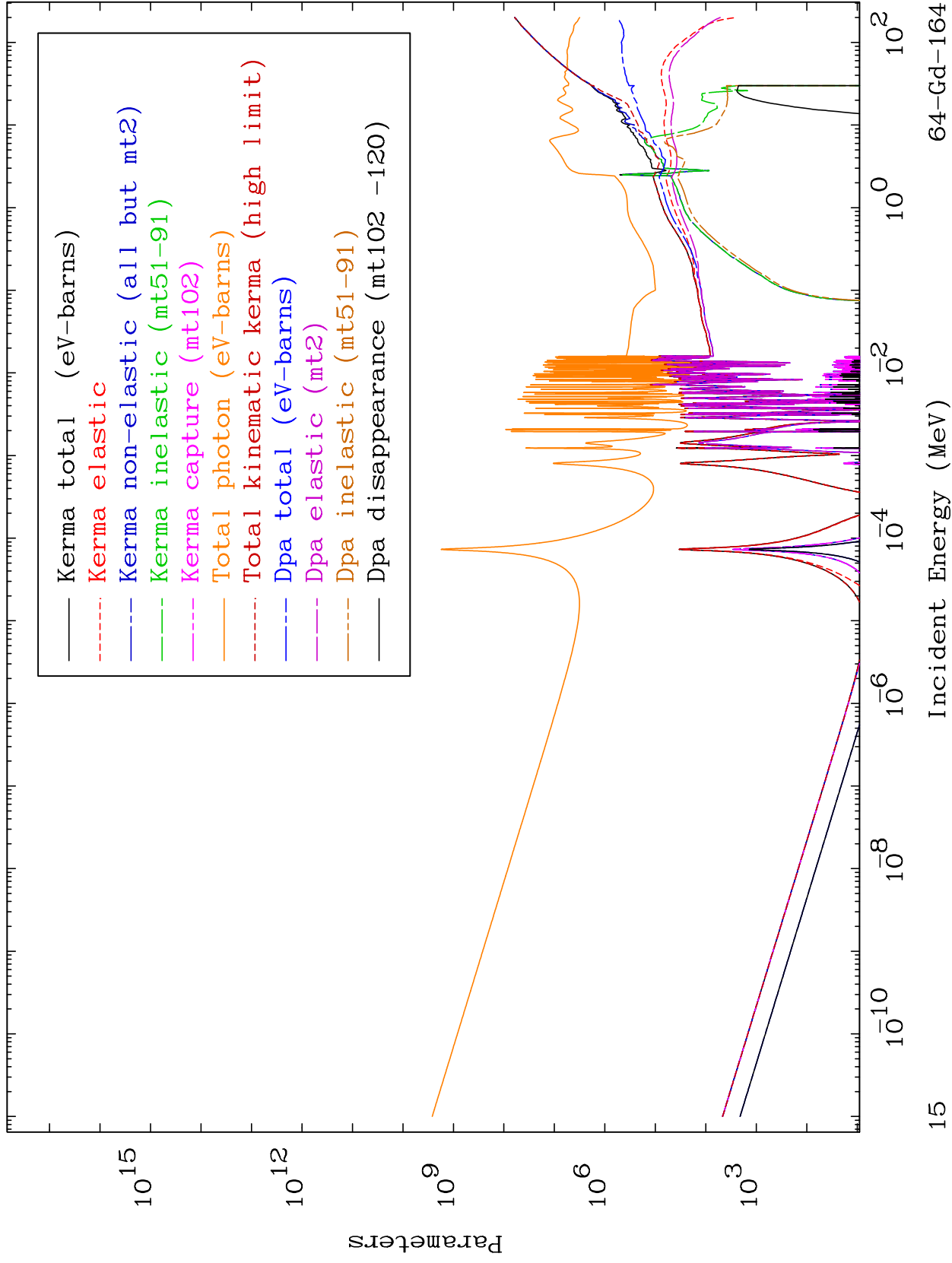
64-Gd-164

MAT 6461

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

64-Gd-164



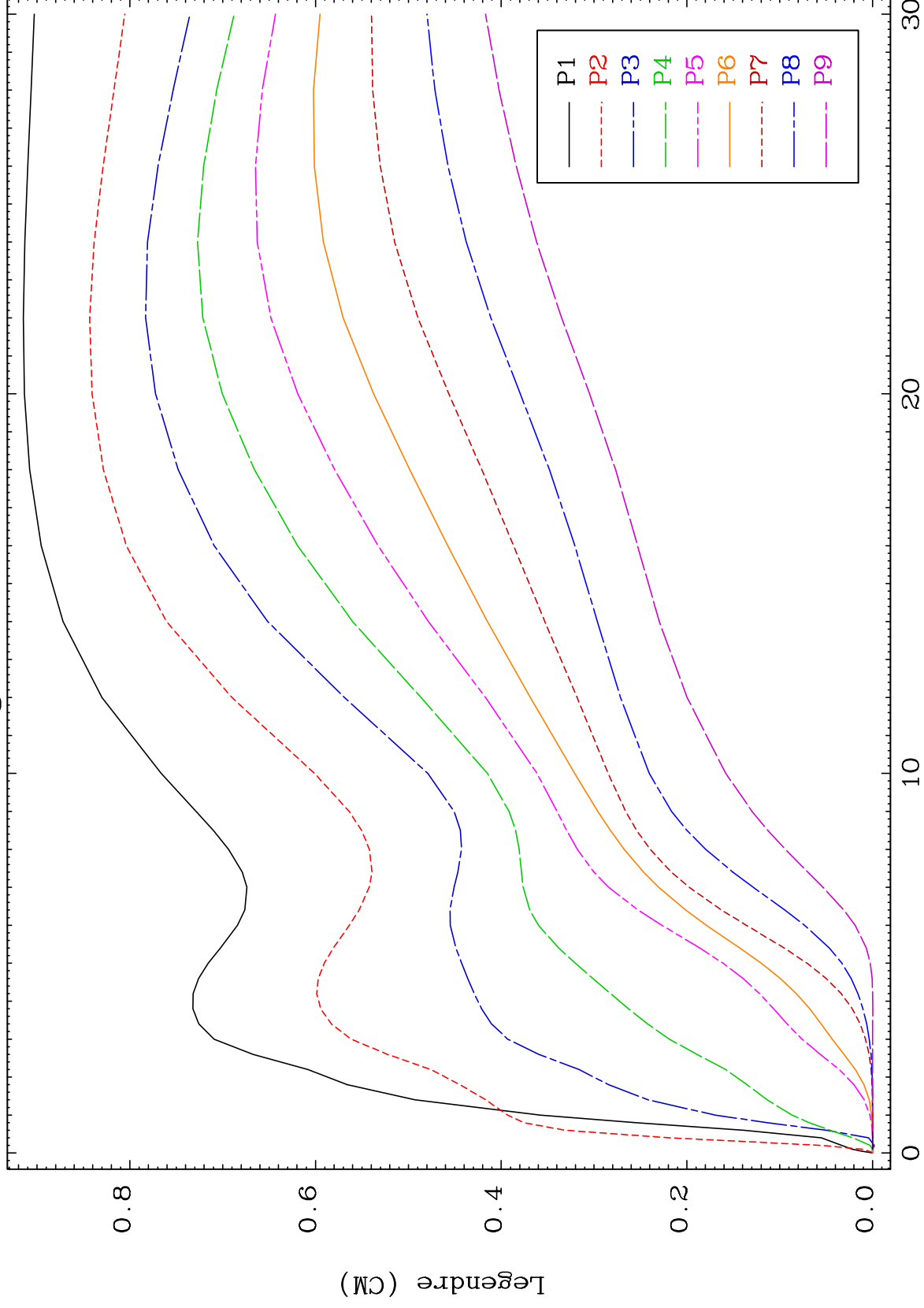




MAT 6461

Elastic Legendre Coefficients

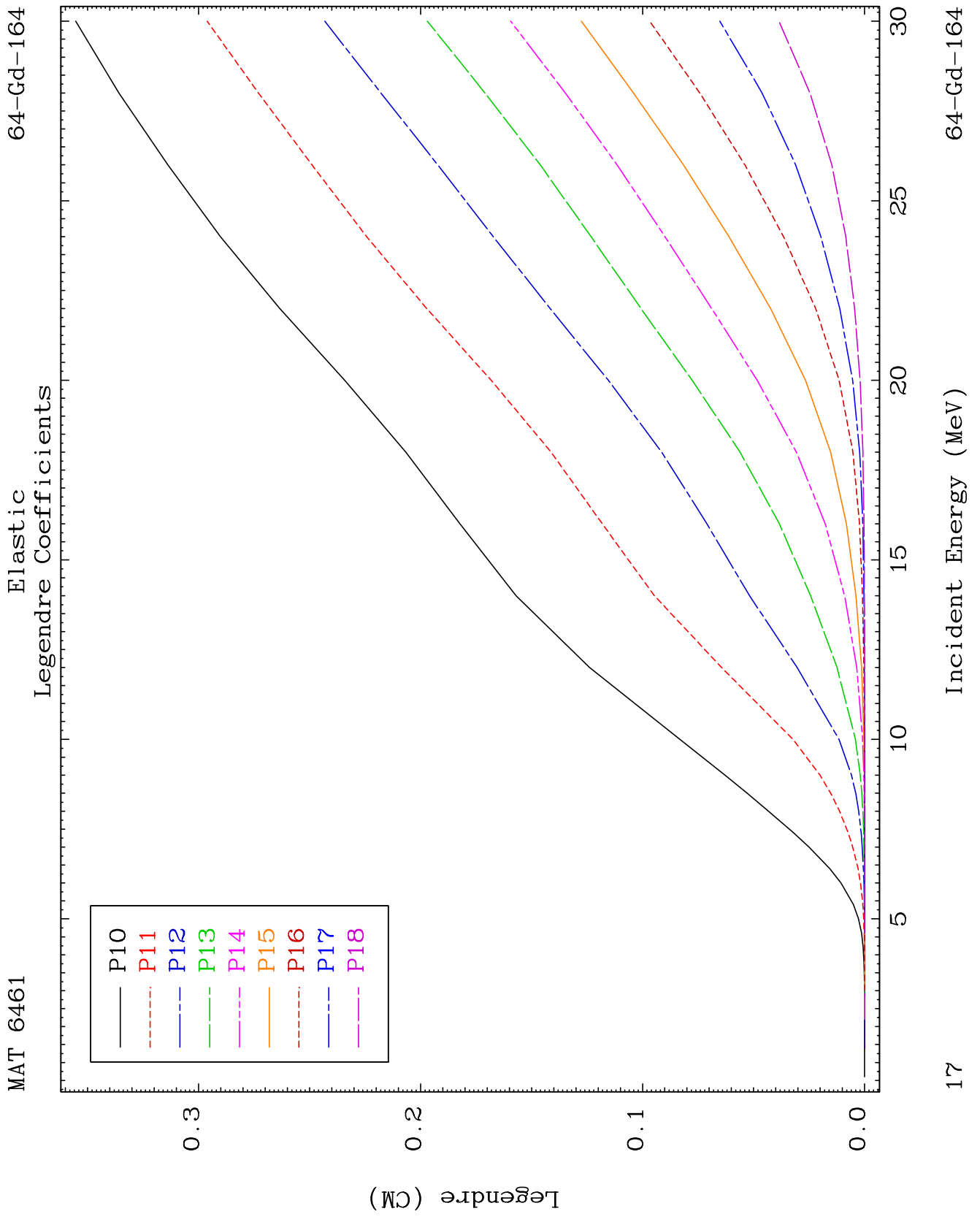
64-Gd-164



16

Incident Energy (MeV)

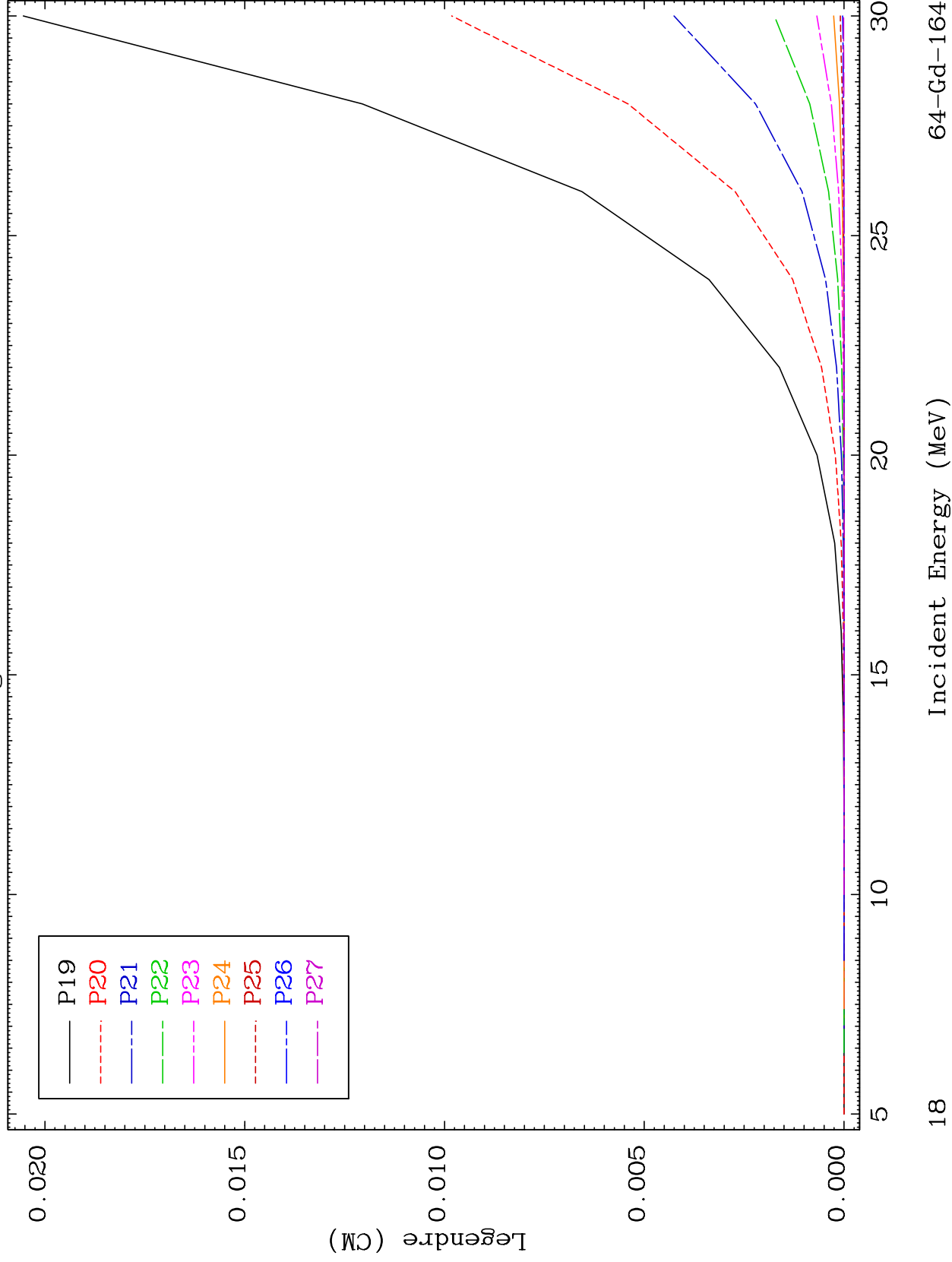
64-Gd-164



MAT 6461

### Elastic Legendre Coefficients

64-Gd-164



18

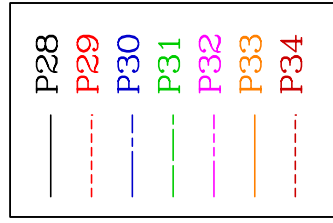
Incident Energy (MeV)

64-Gd-164

MAT 6461

Elastic  
Legendre Coefficients

64-Gd-164



$\times 10^{-6}$

Legendre (CM)

3

2

1

0

15

20

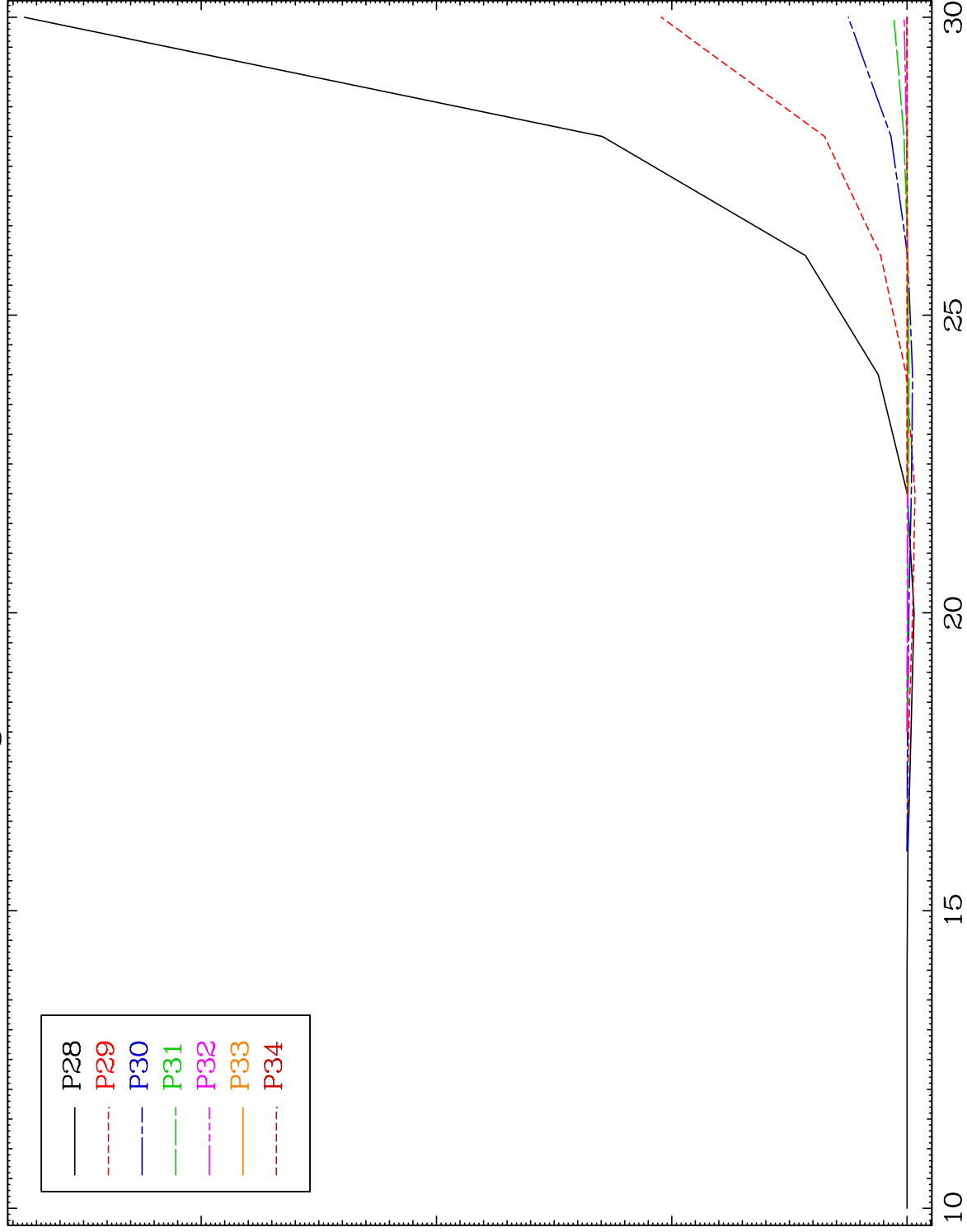
25

30

19

Incident Energy (MeV)

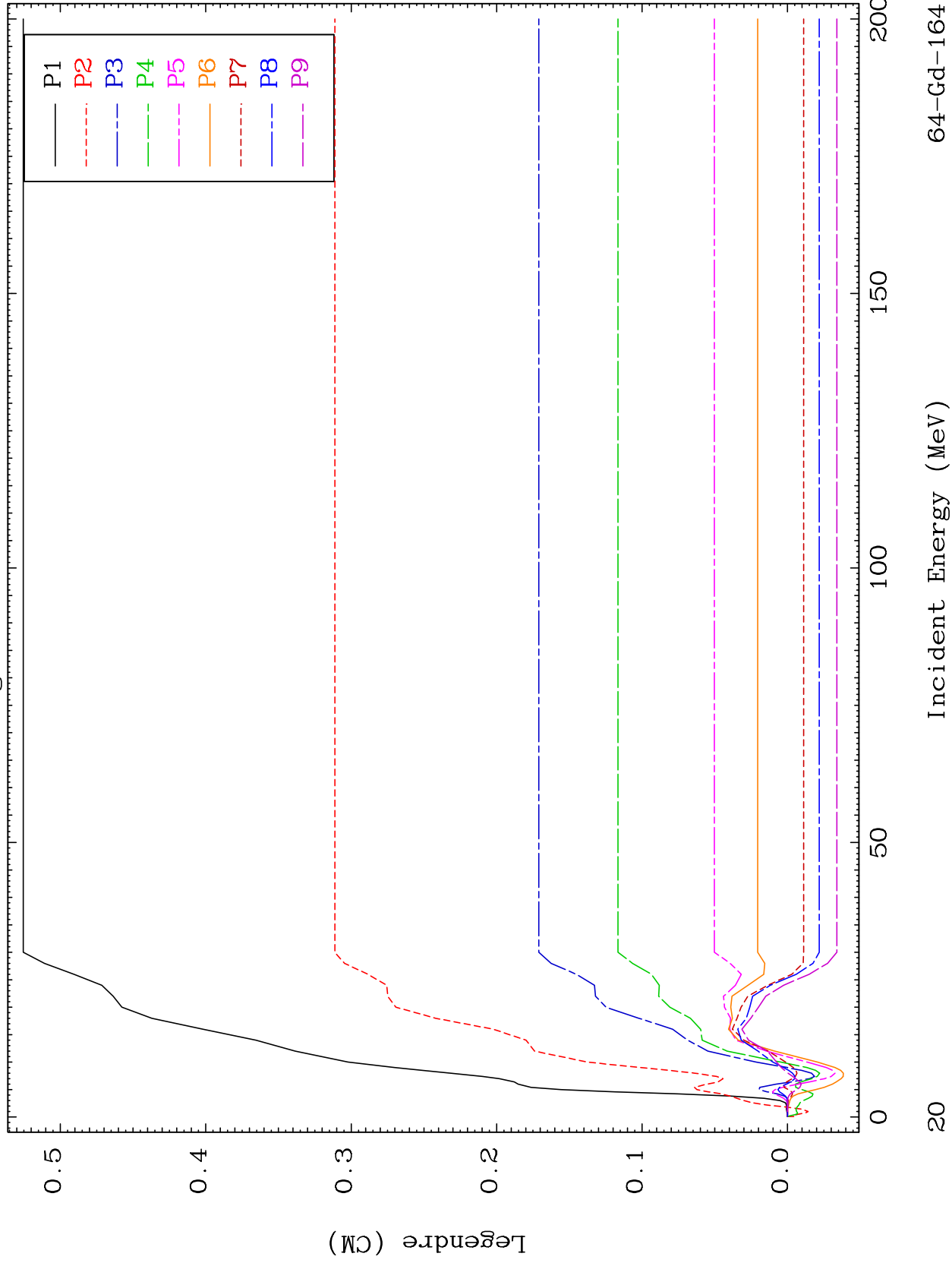
64-Gd-164



MAT 6461

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

64-Gd-164



64-Gd-164

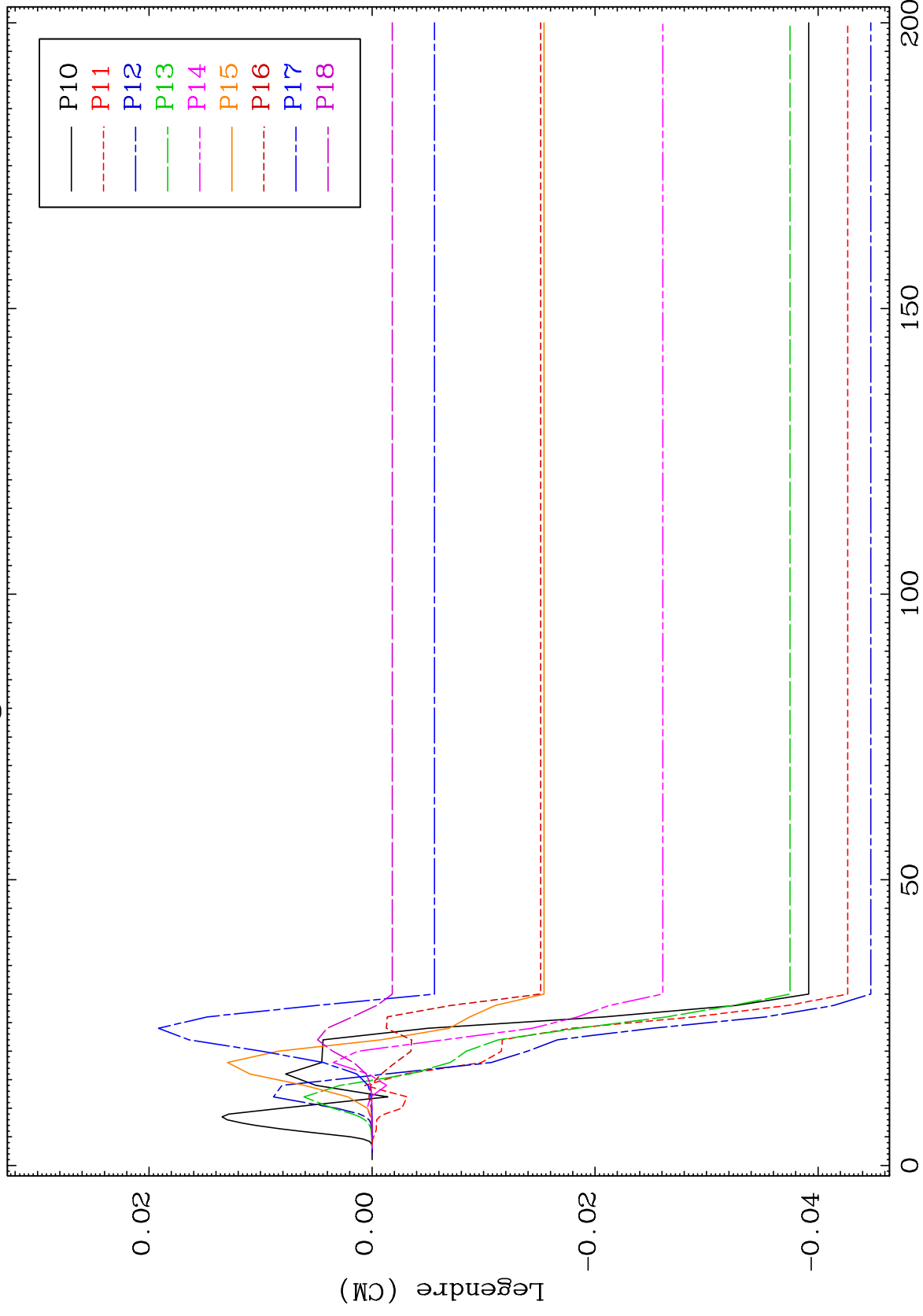
Incident Energy (MeV)

0

MAT 6461

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

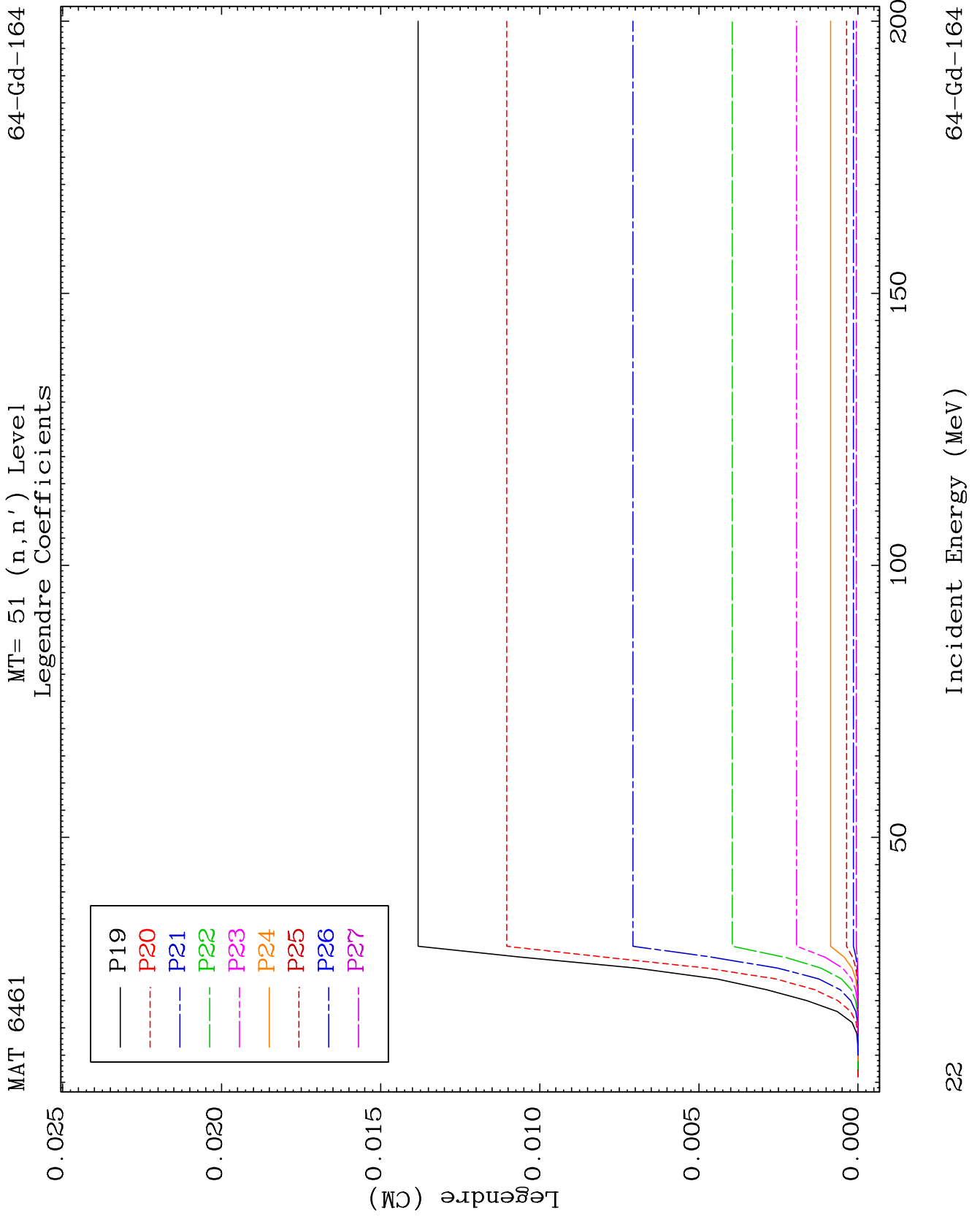
64-Gd-164



21

Incident Energy (MeV)

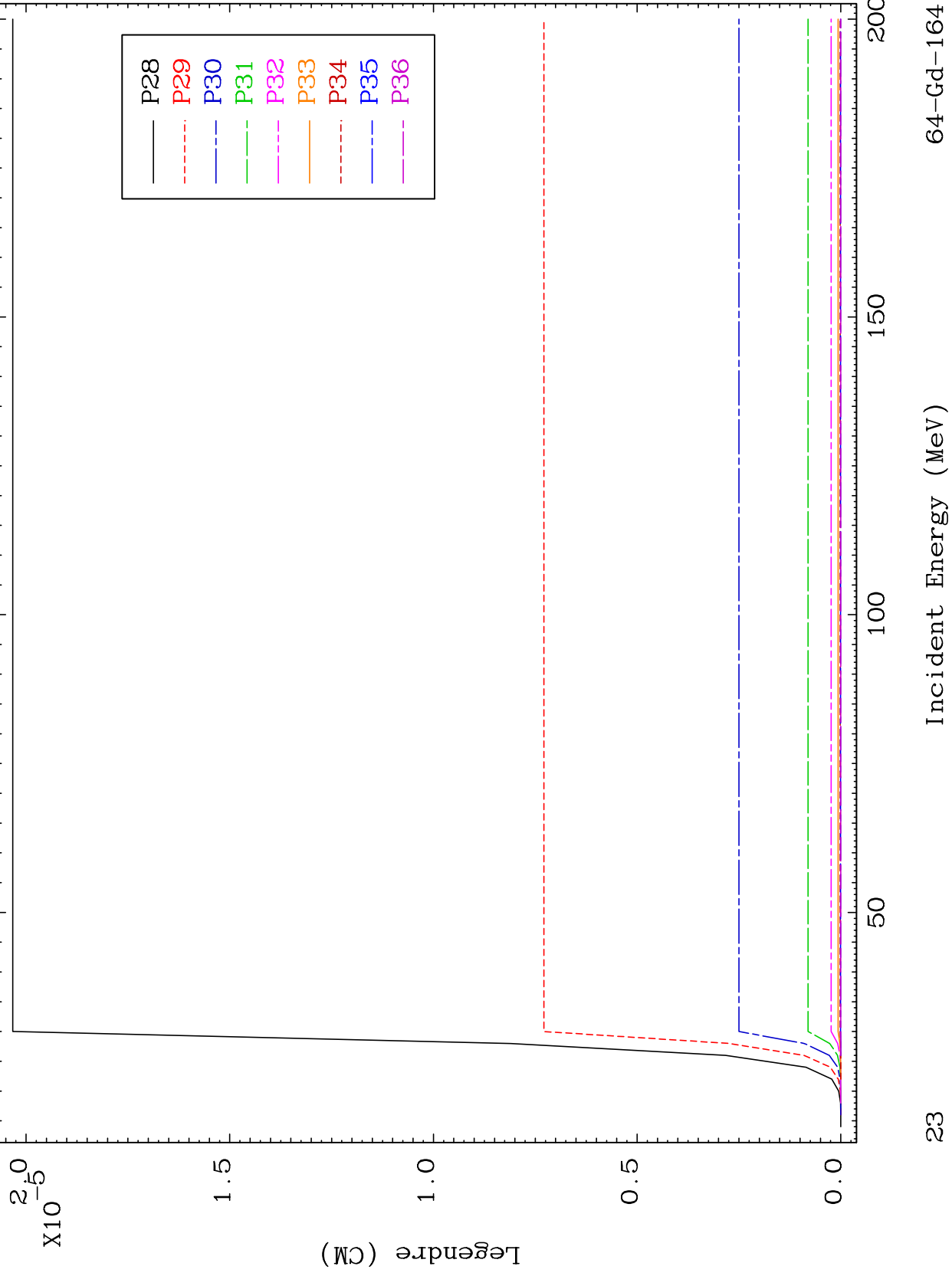
64-Gd-164



MAT 6461

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

64-Gd-164

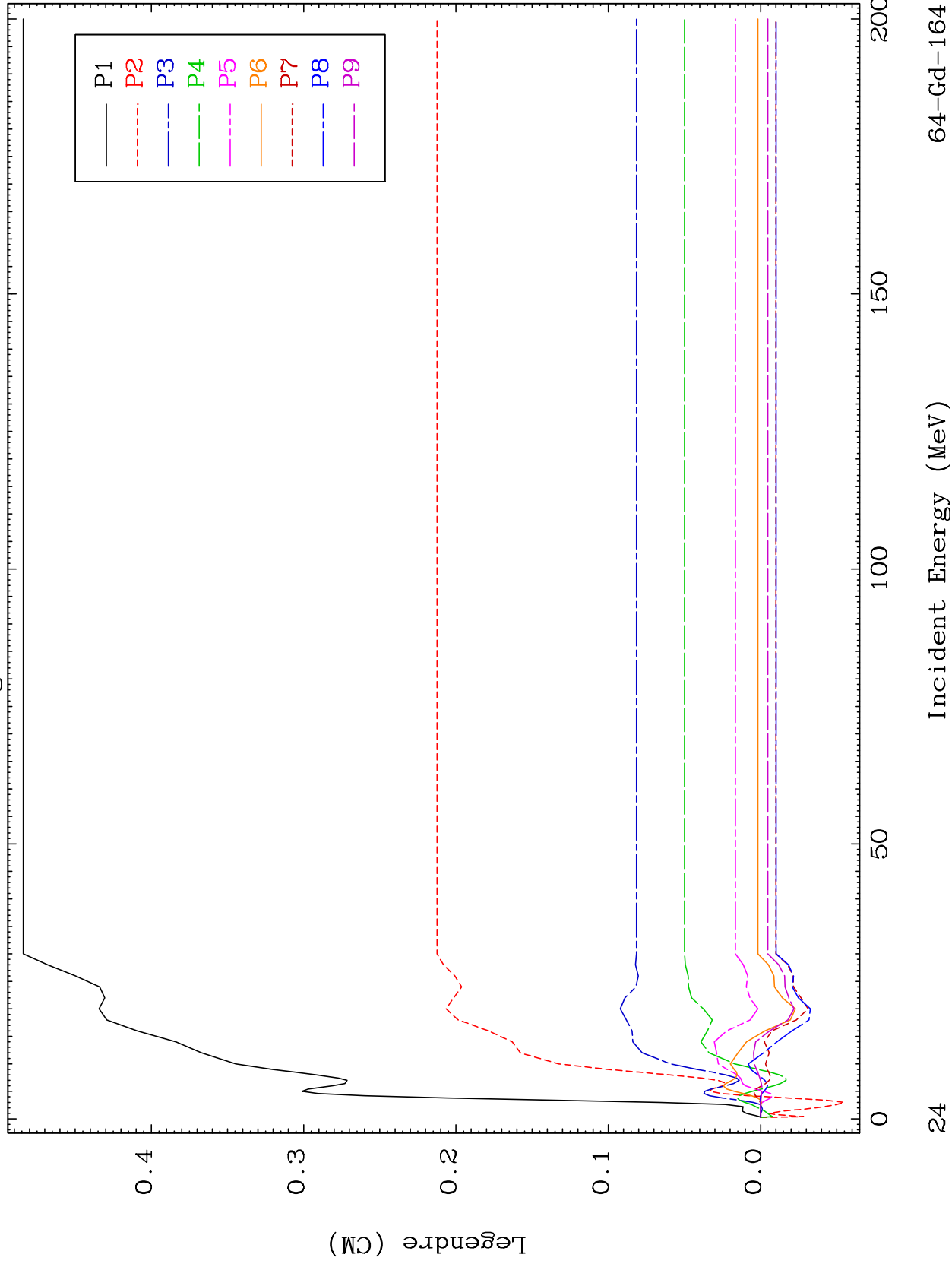




MAT 6461

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

64-Gd-164



64-Gd-164

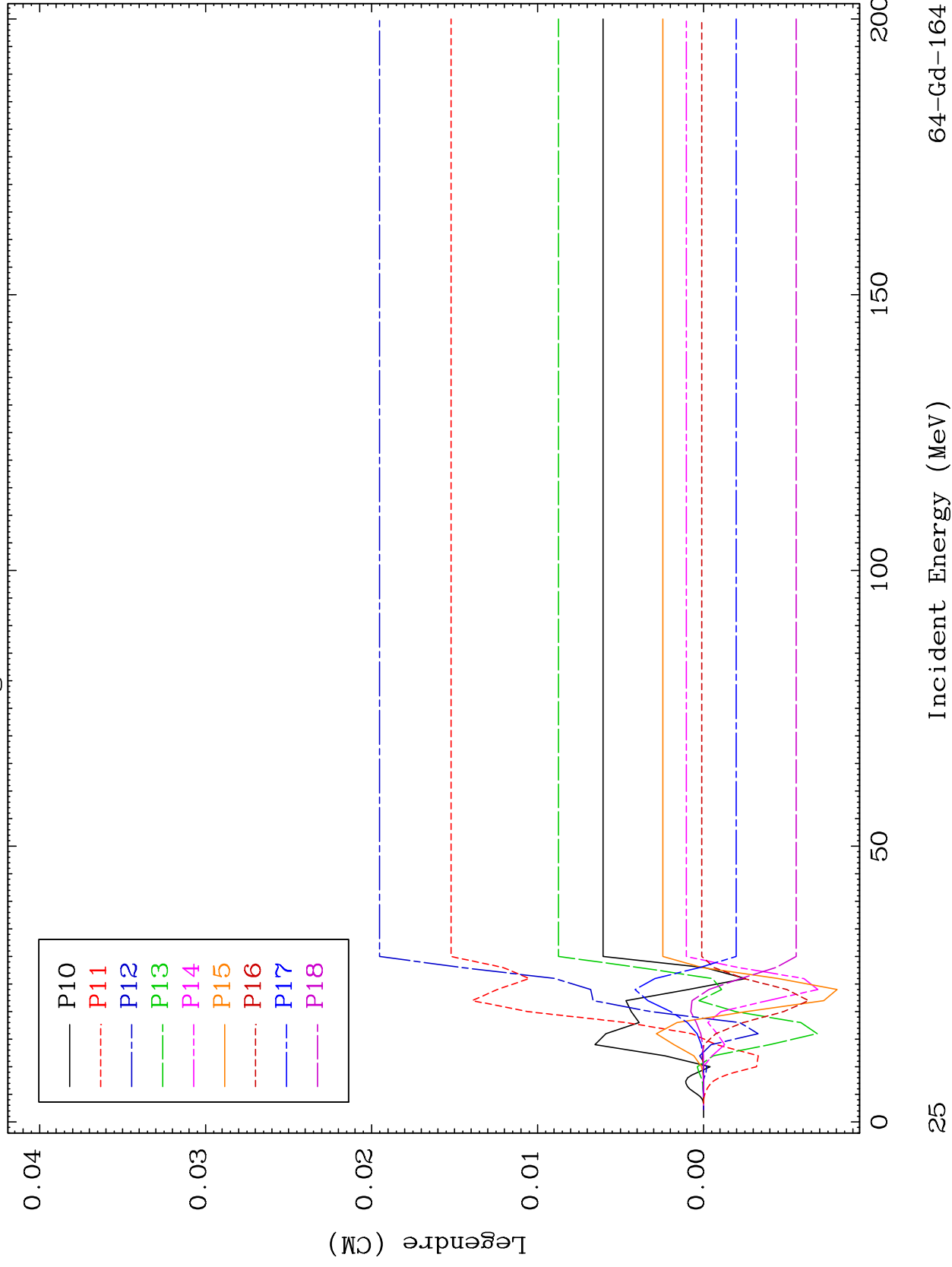
Incident Energy (MeV)

24

MAT 6461

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

64-Gd-164



64-Gd-164

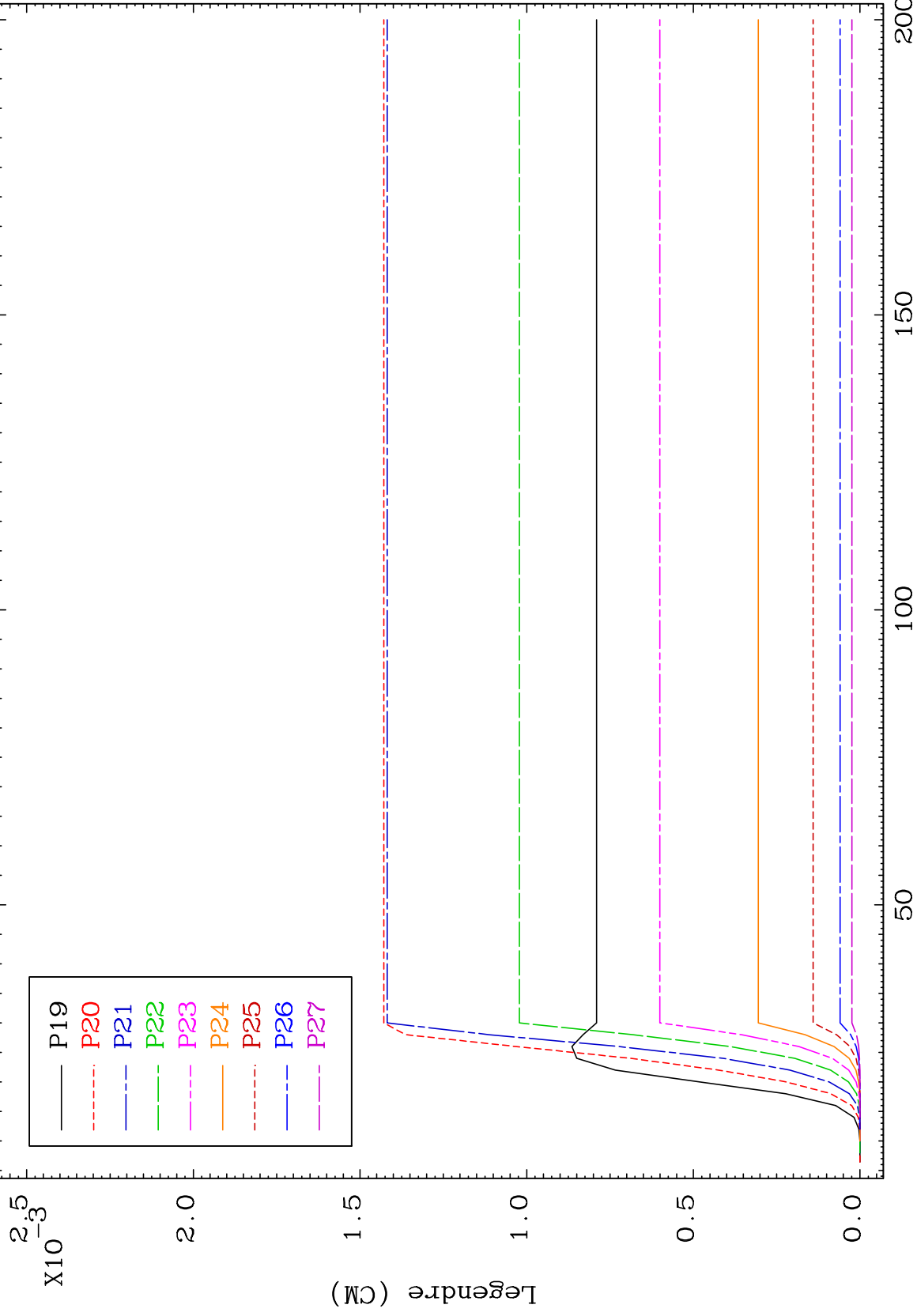
Incident Energy (MeV)

25

MAT 6461

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

64-Gd-164



26

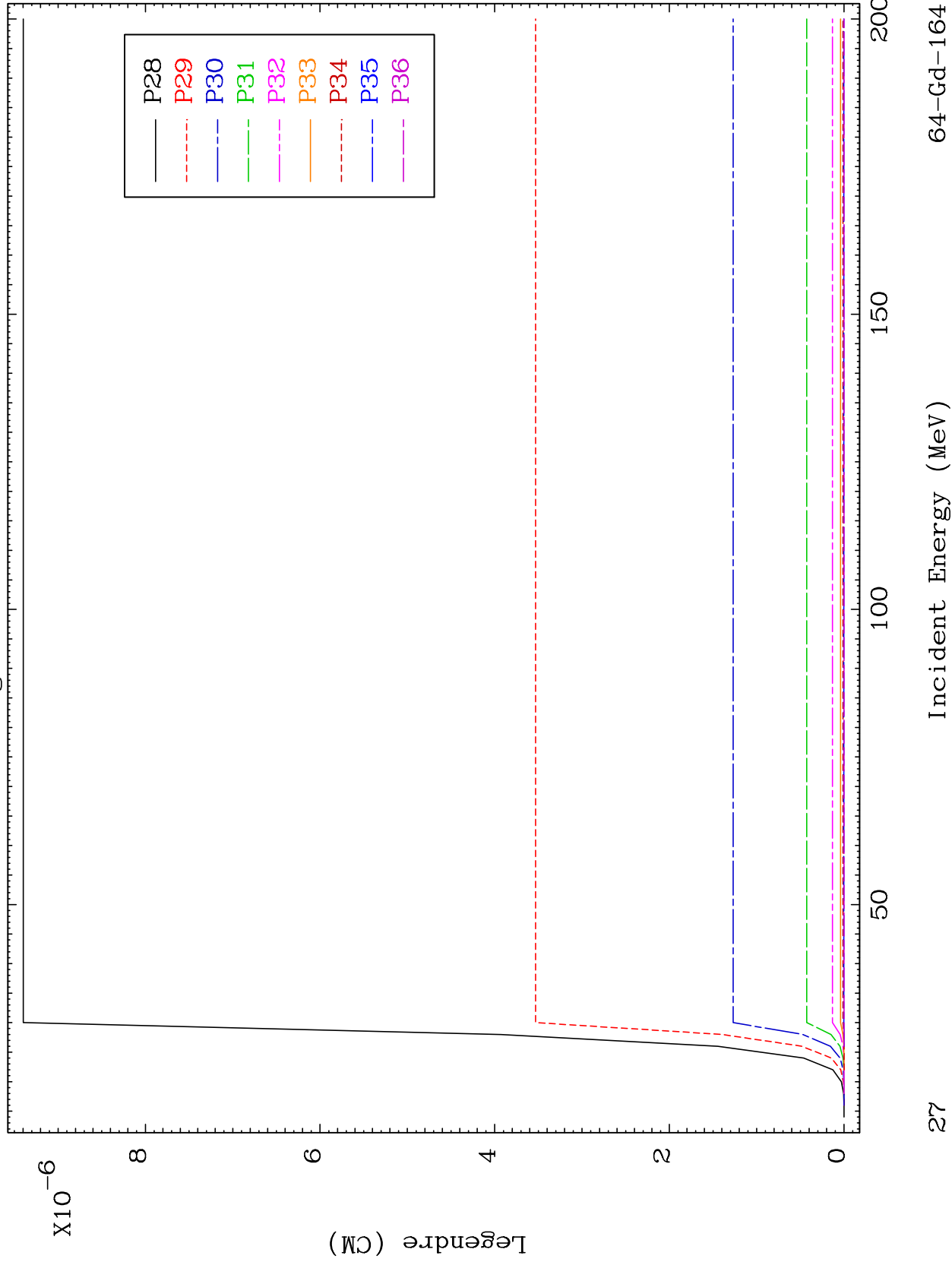
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

64-Gd-164

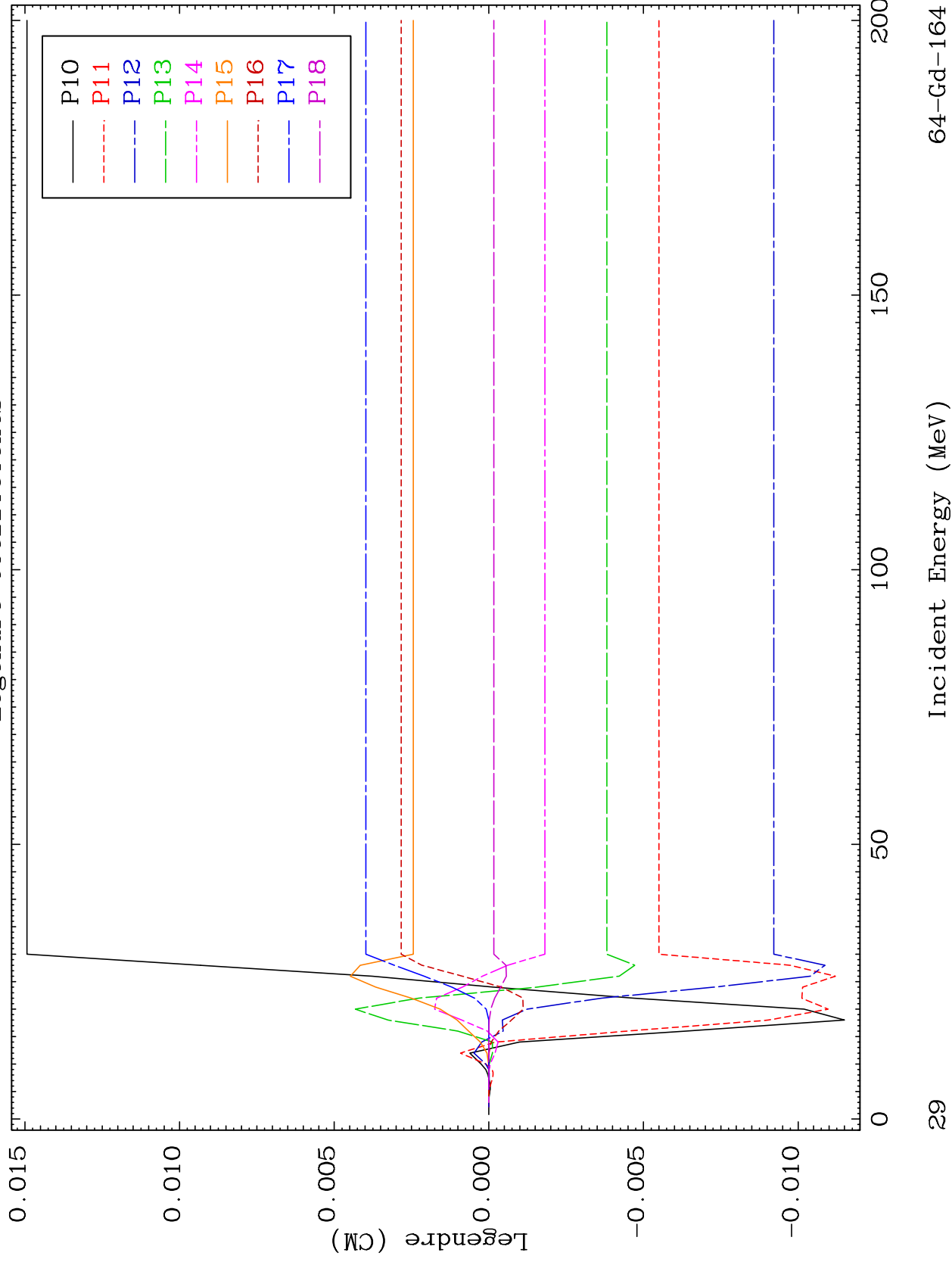




MAT 6461

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

64-Gd-164



64-Gd-164

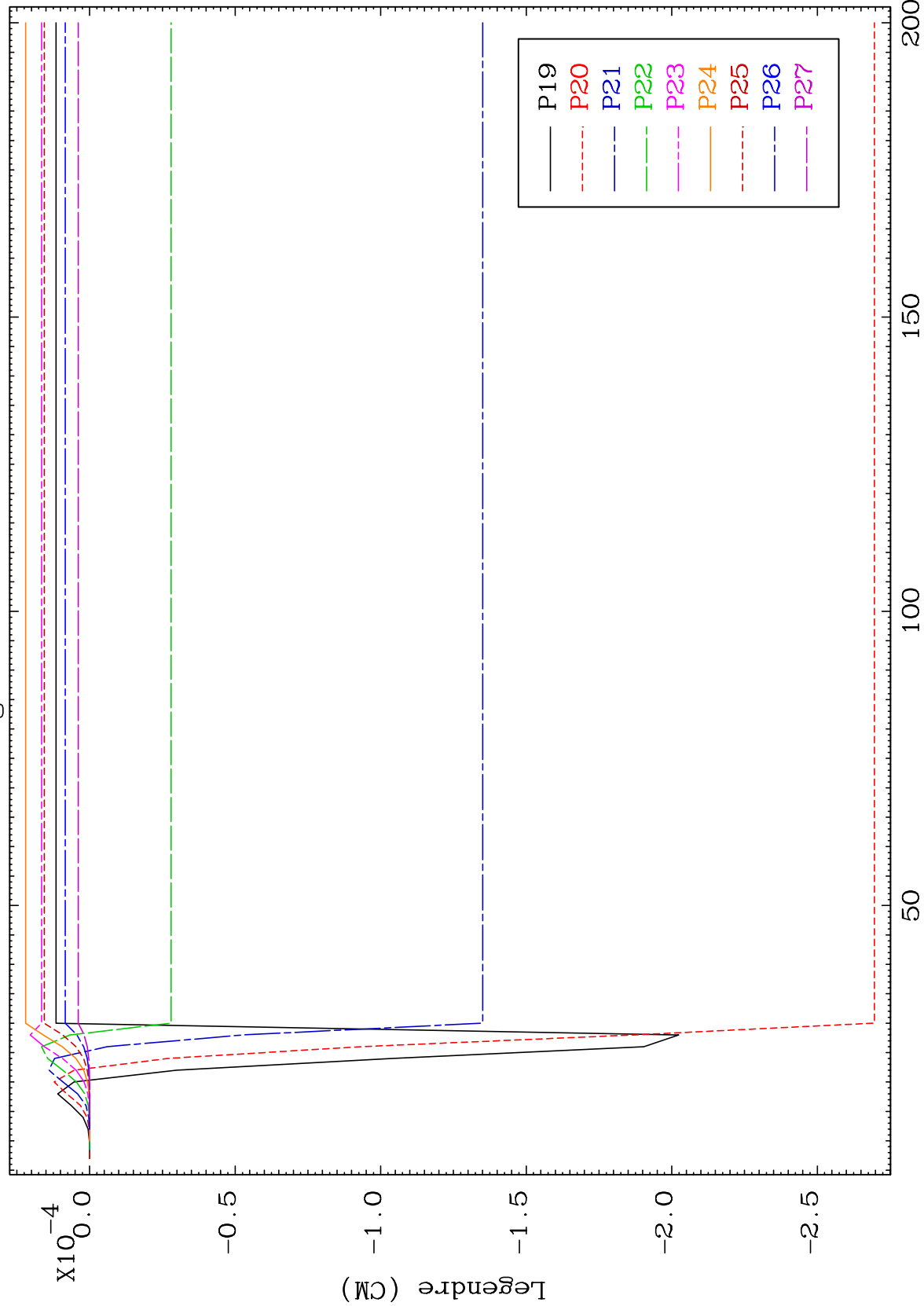
Incident Energy (MeV)

29

MAT 6461

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

64-Gd-164



64-Gd-164

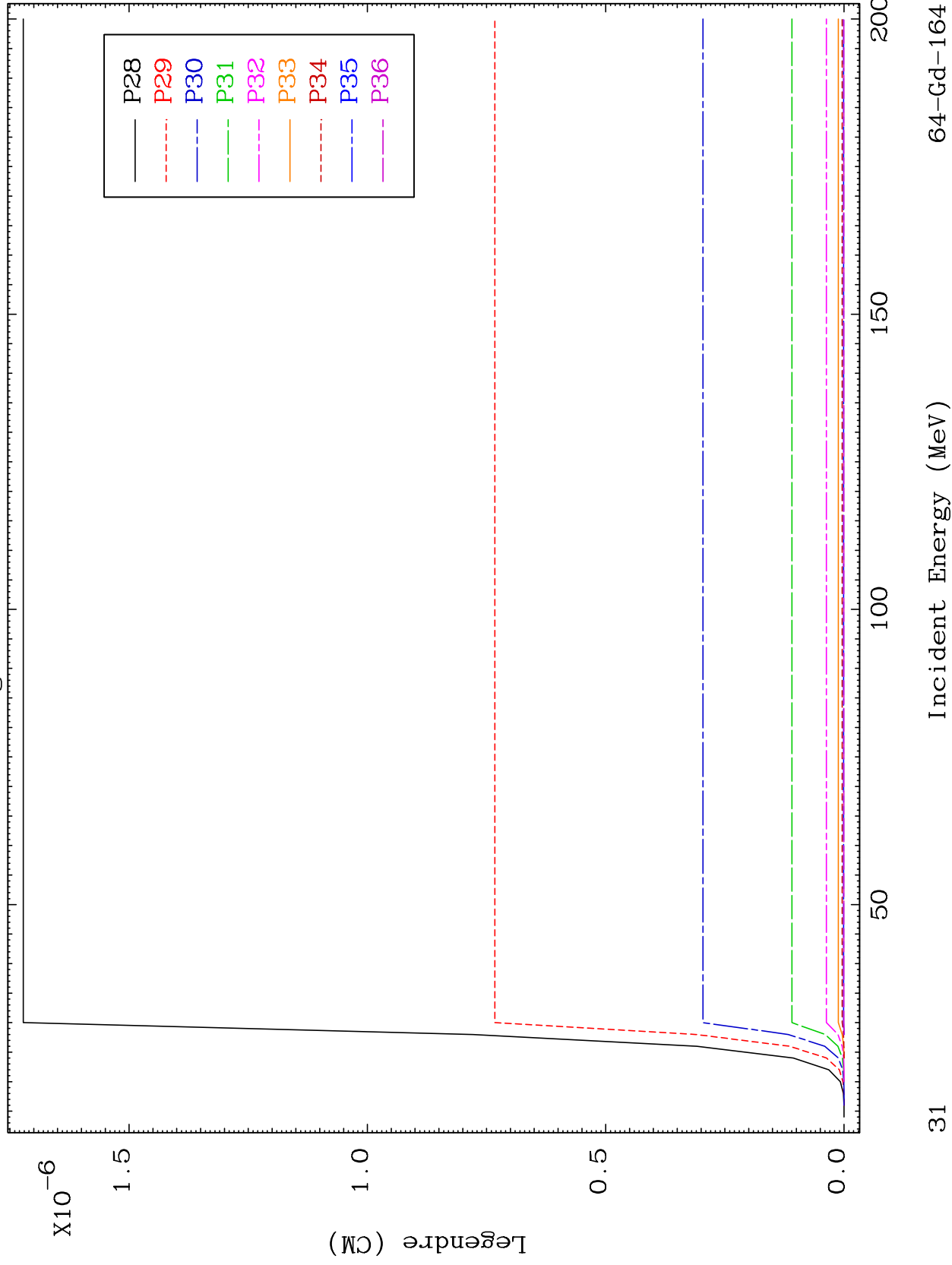
Incident Energy (MeV)

30

MAT 6461

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

64-Gd-164



31

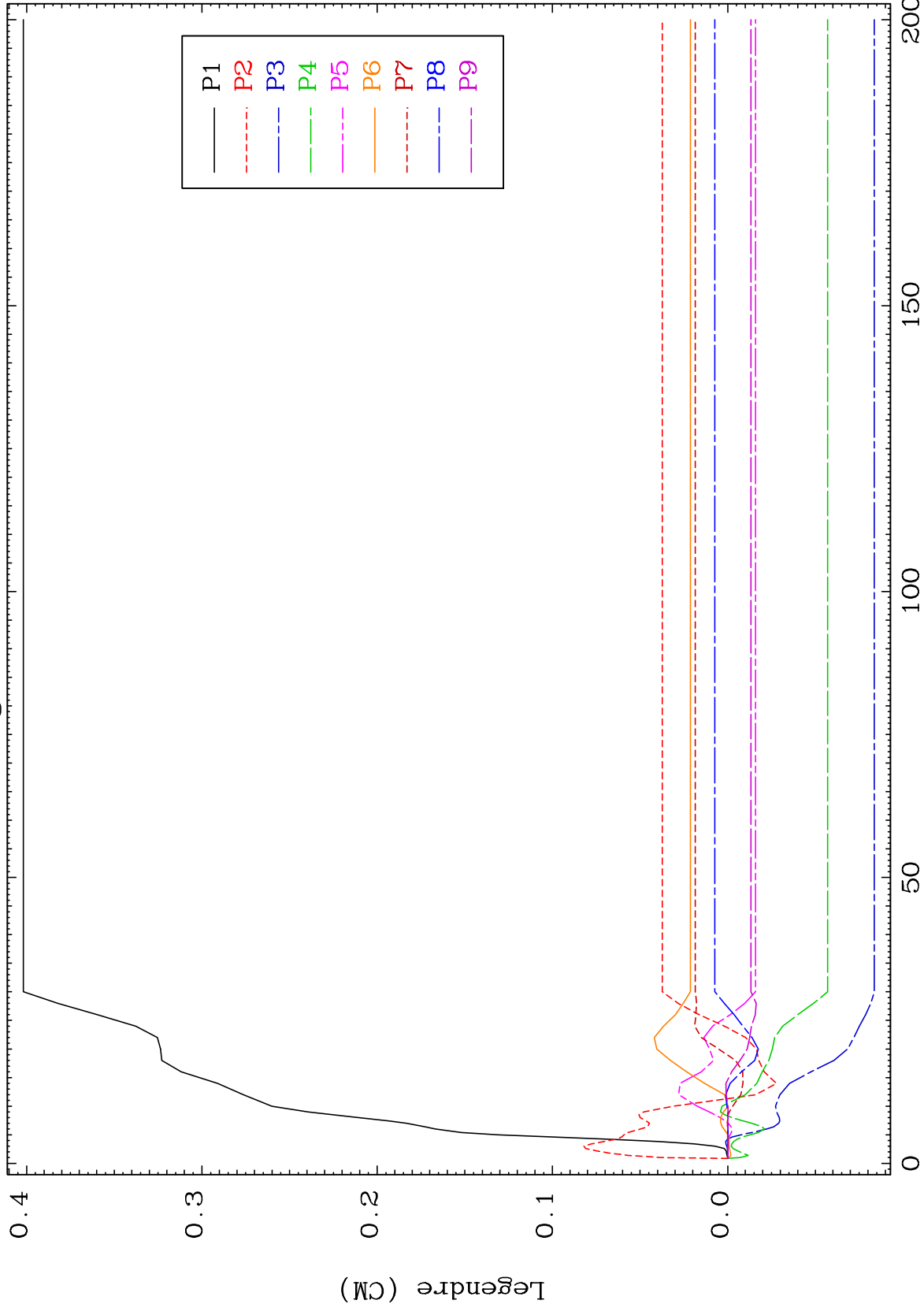
64-Gd-164



MAT 6461

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

64-Gd-164



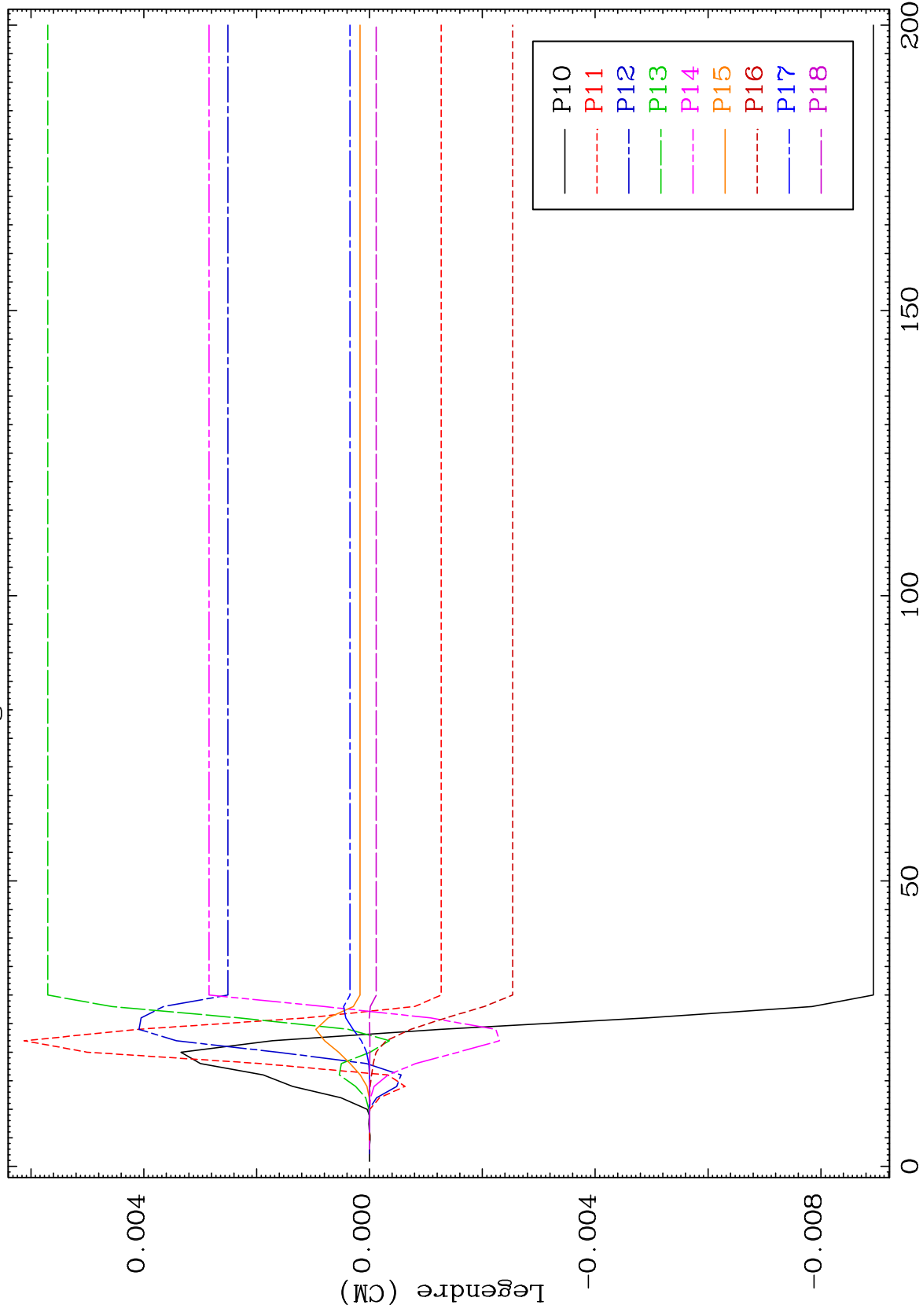
32

64-Gd-164

MAT 6461

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

64-Gd-164



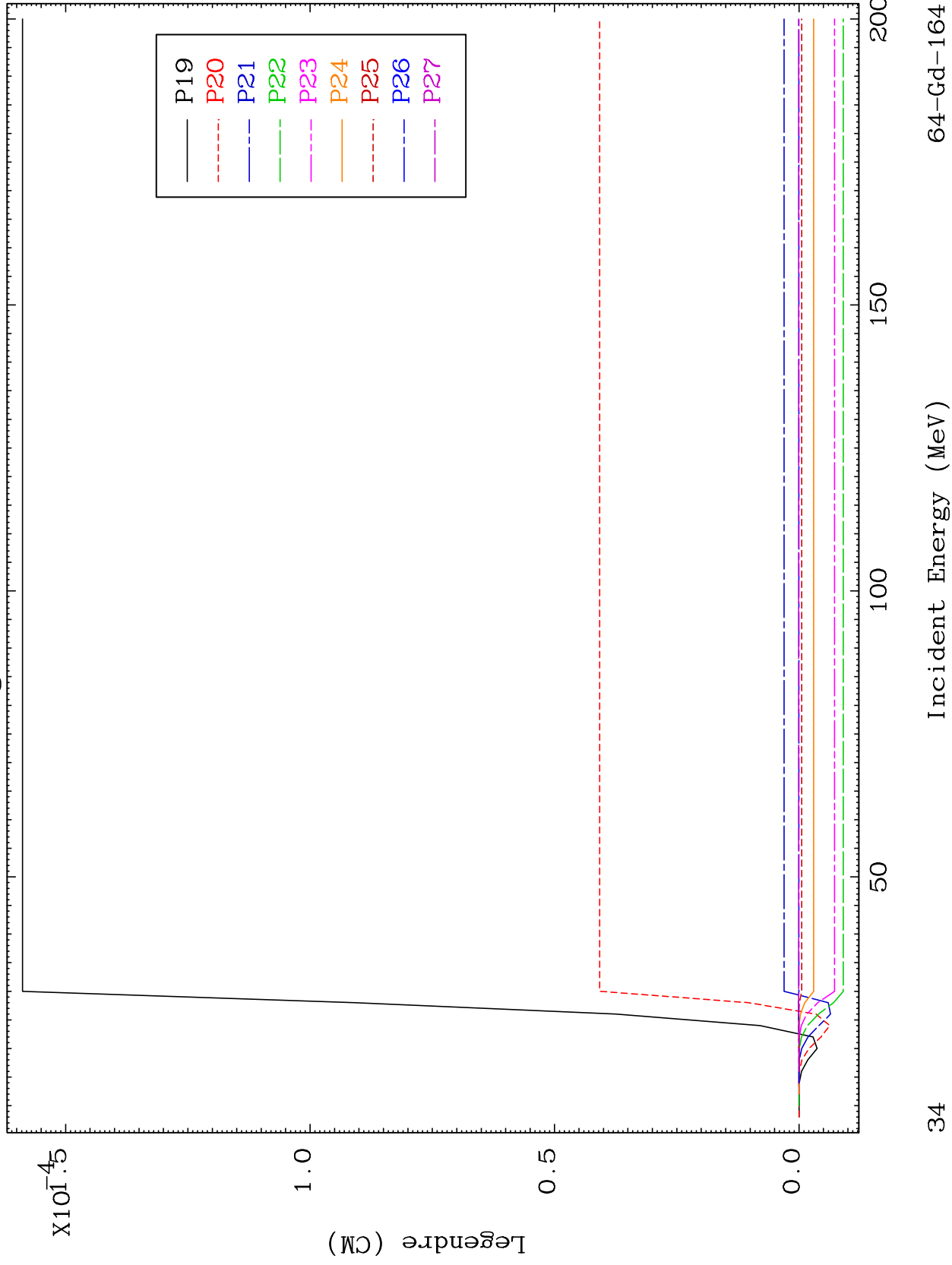
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64-Gd-164

MAT 6461

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

64-Gd-164

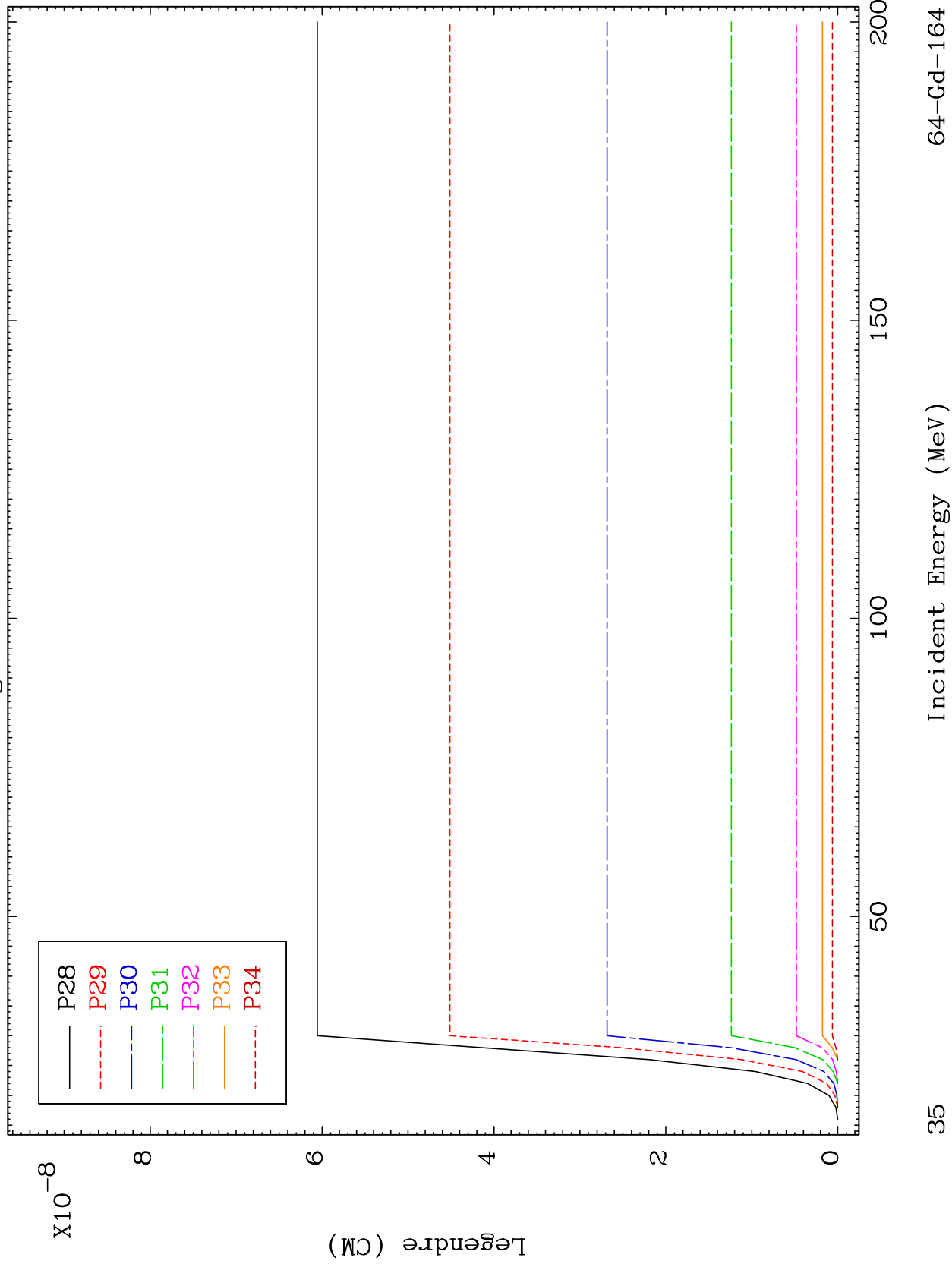


34

MAT 6461

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

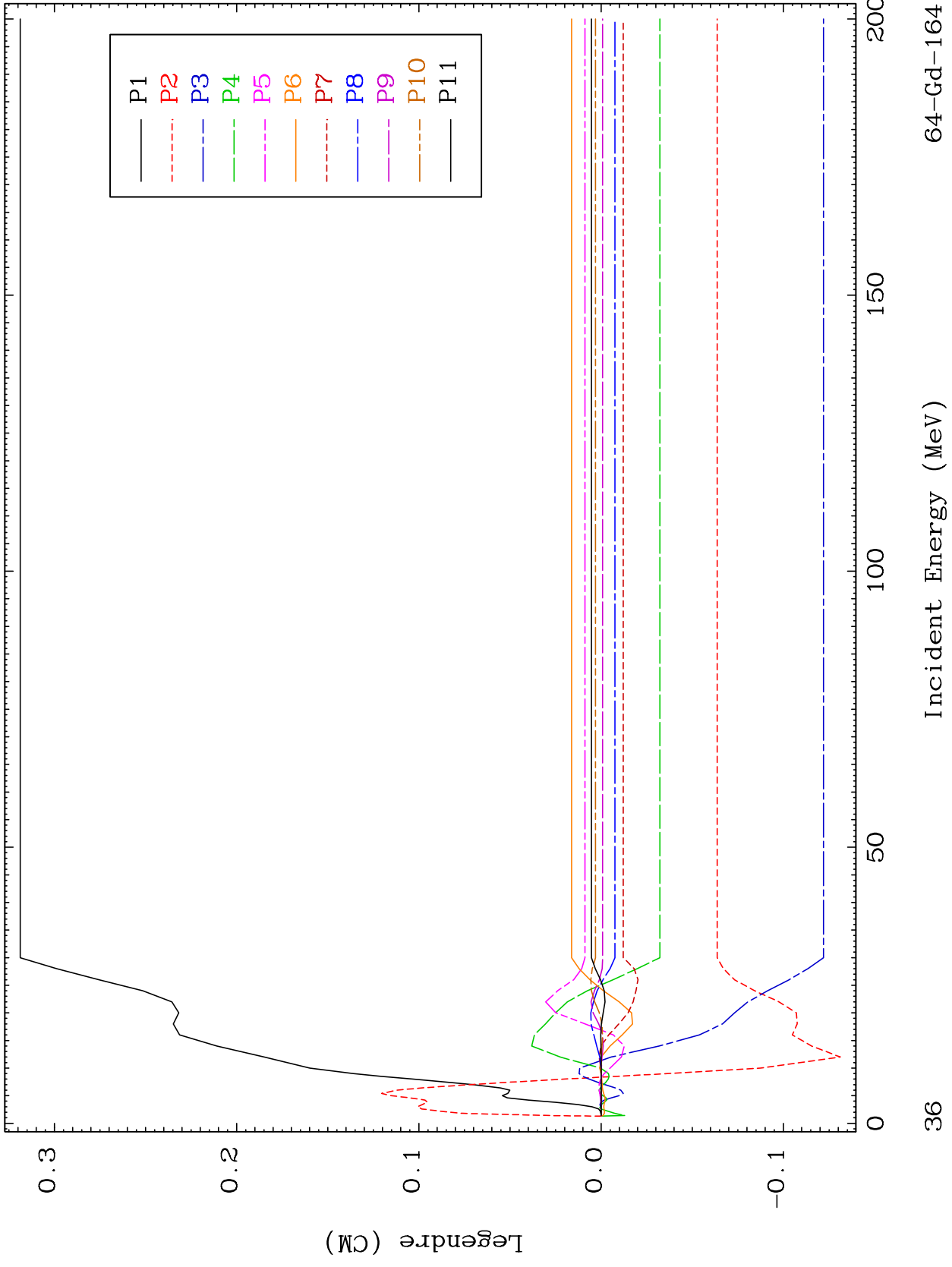
64-Gd-164



MAT 6461

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

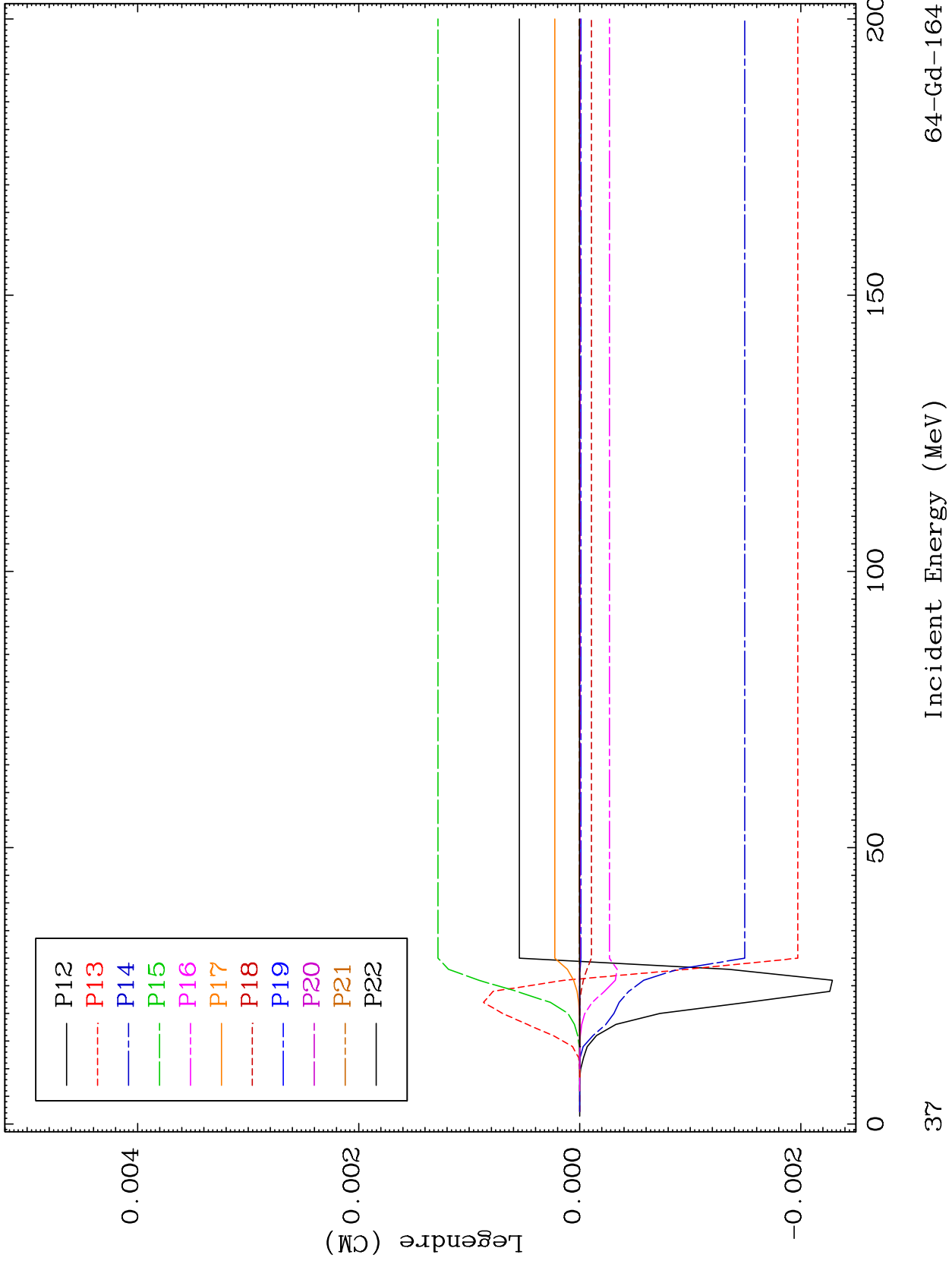
64-Gd-164



MAT 6461

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

64-Gd-164



37

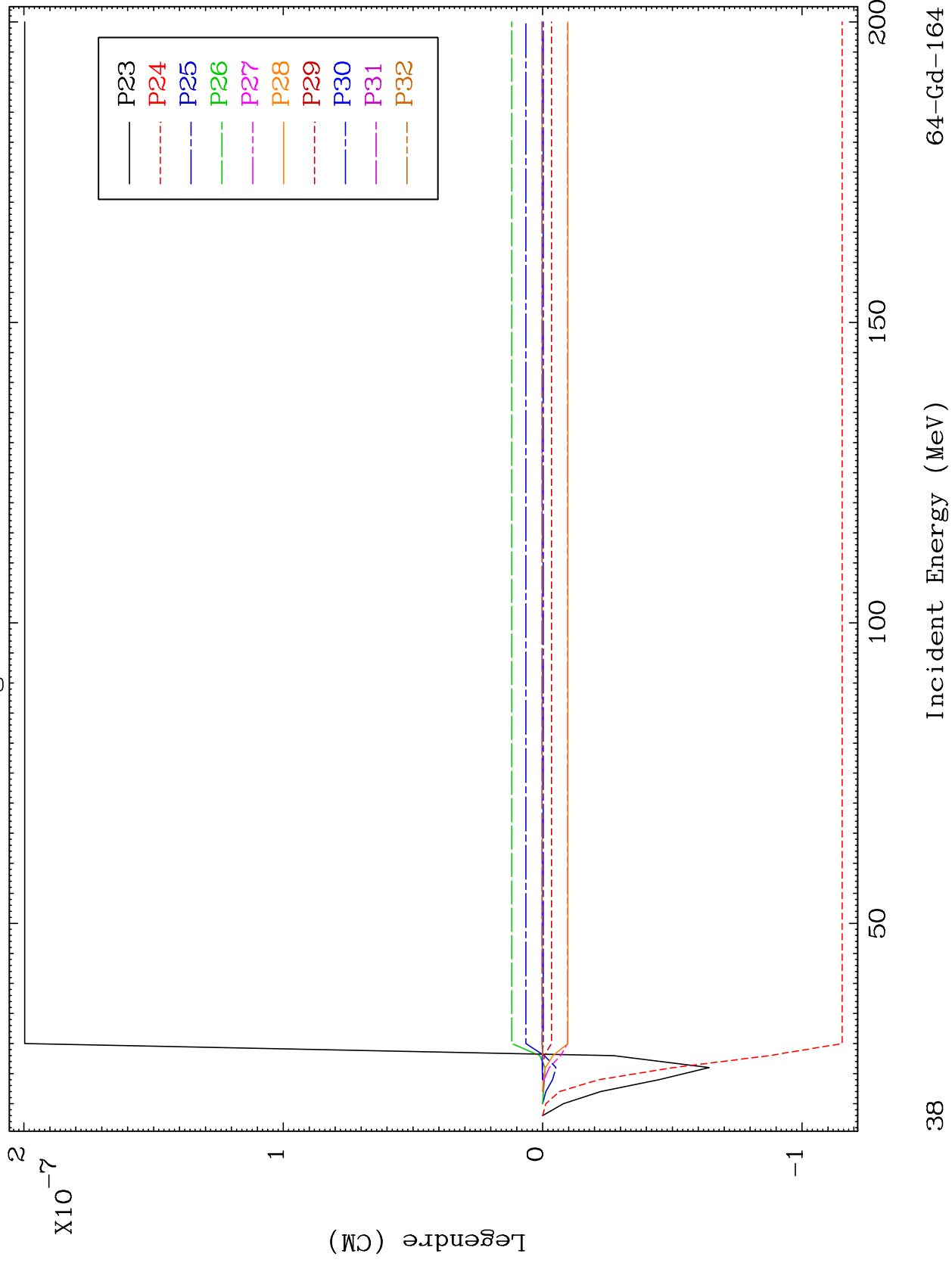
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

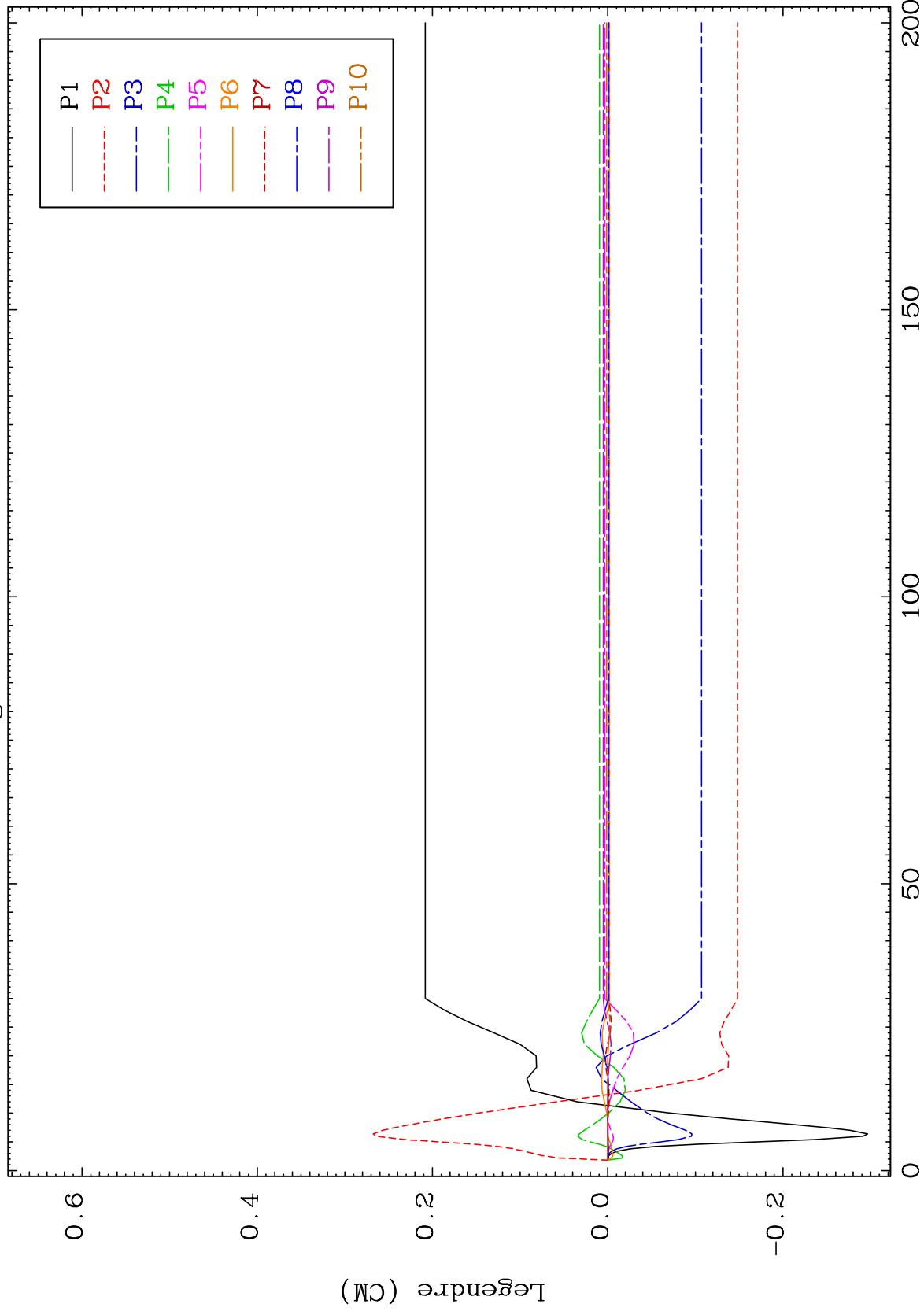
64-Gd-164



MAT 6461

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

64-Gd-164



39

Incident Energy (MeV)

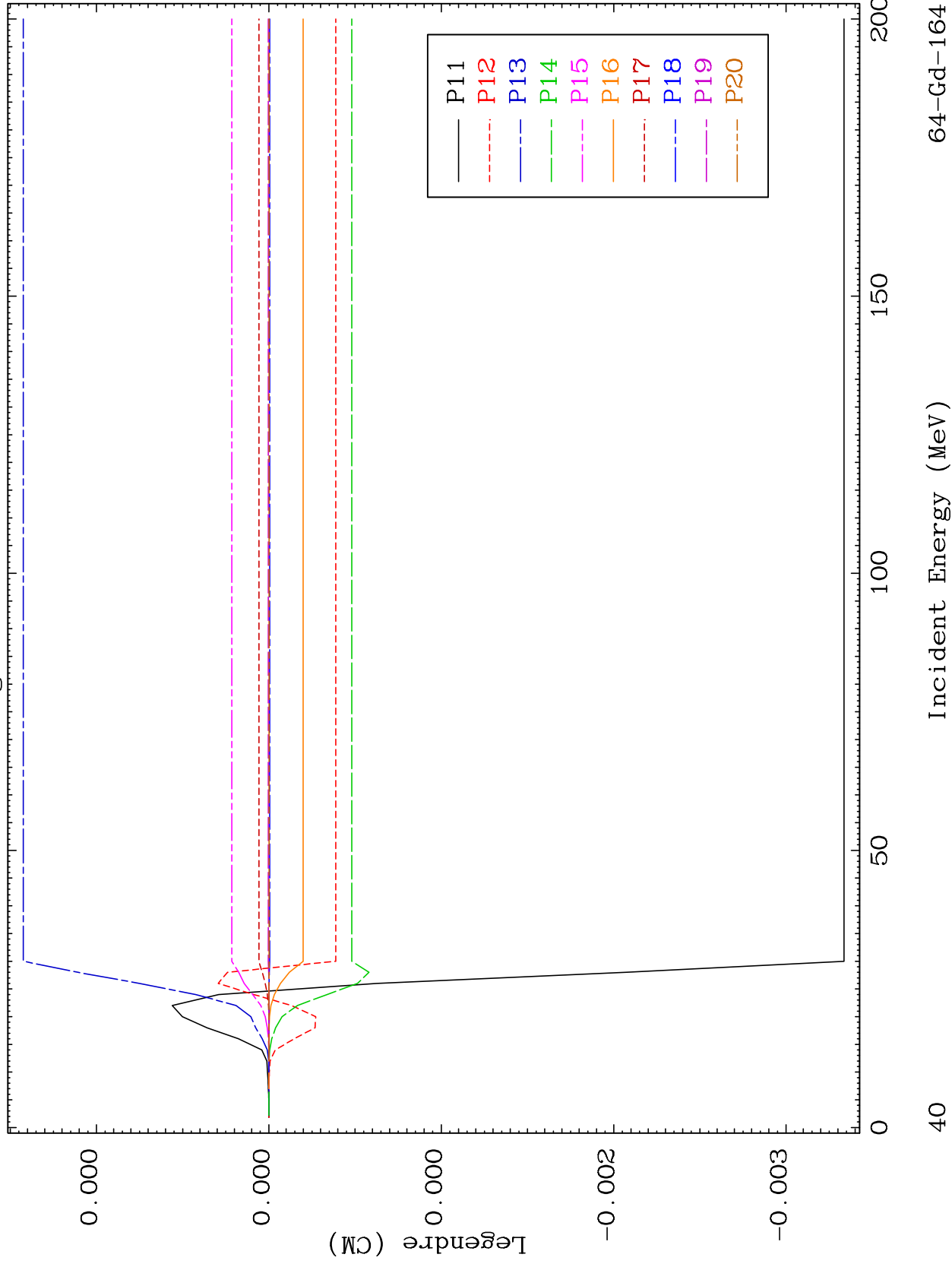
64-Gd-164



MAT 6461

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

64-Gd-164



64-Gd-164

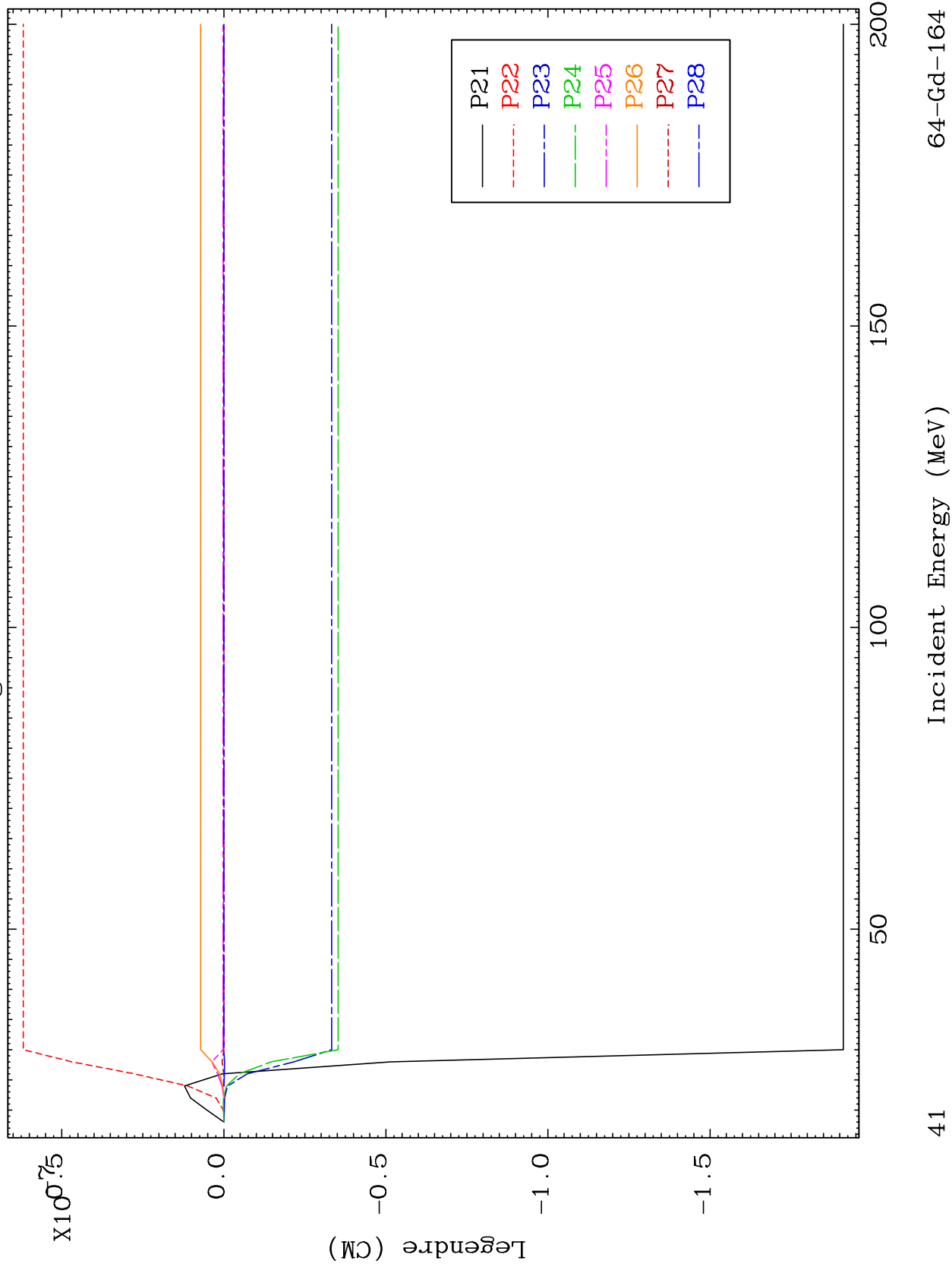
Incident Energy (MeV)

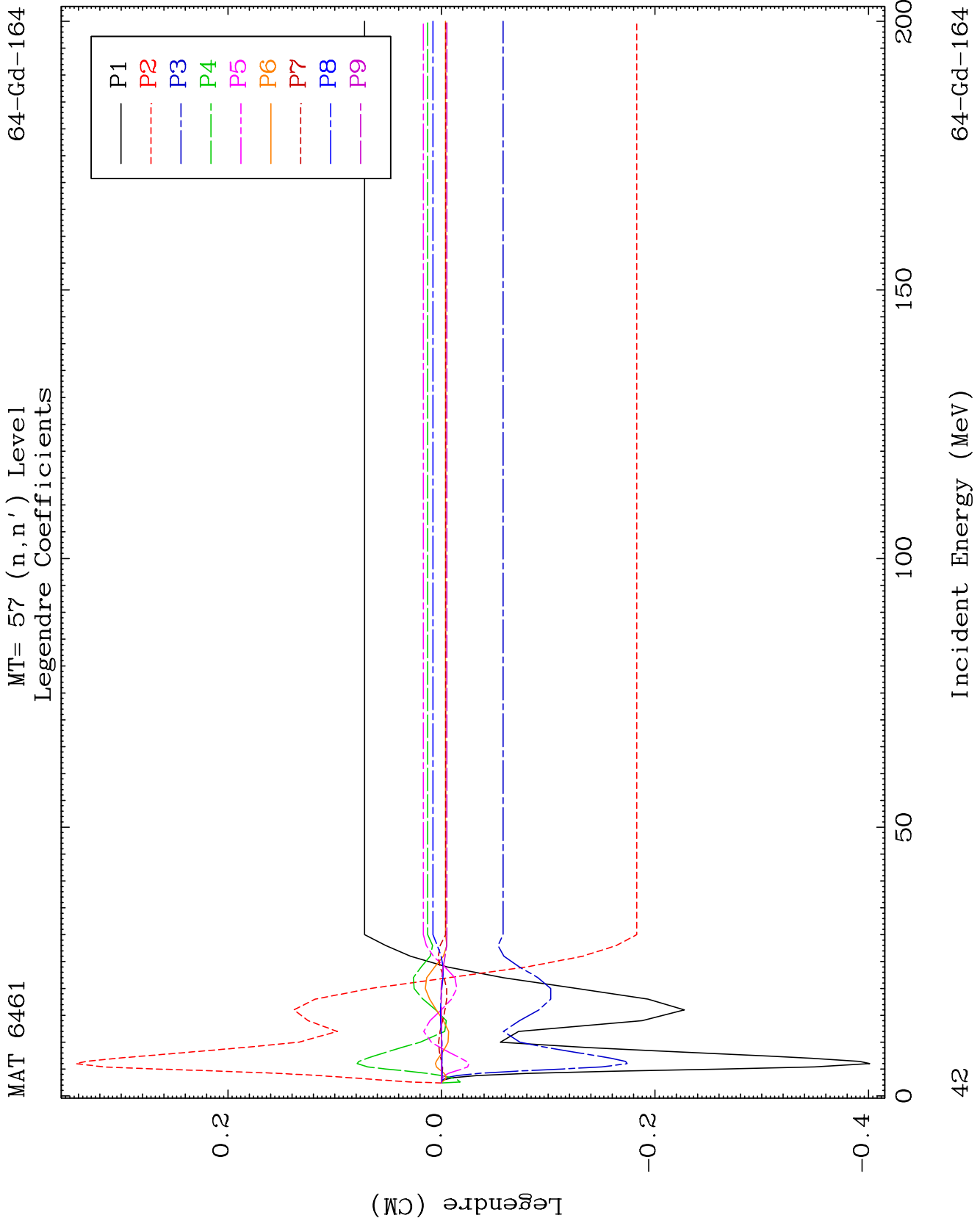
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MAT 6461

64-Gd-164

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

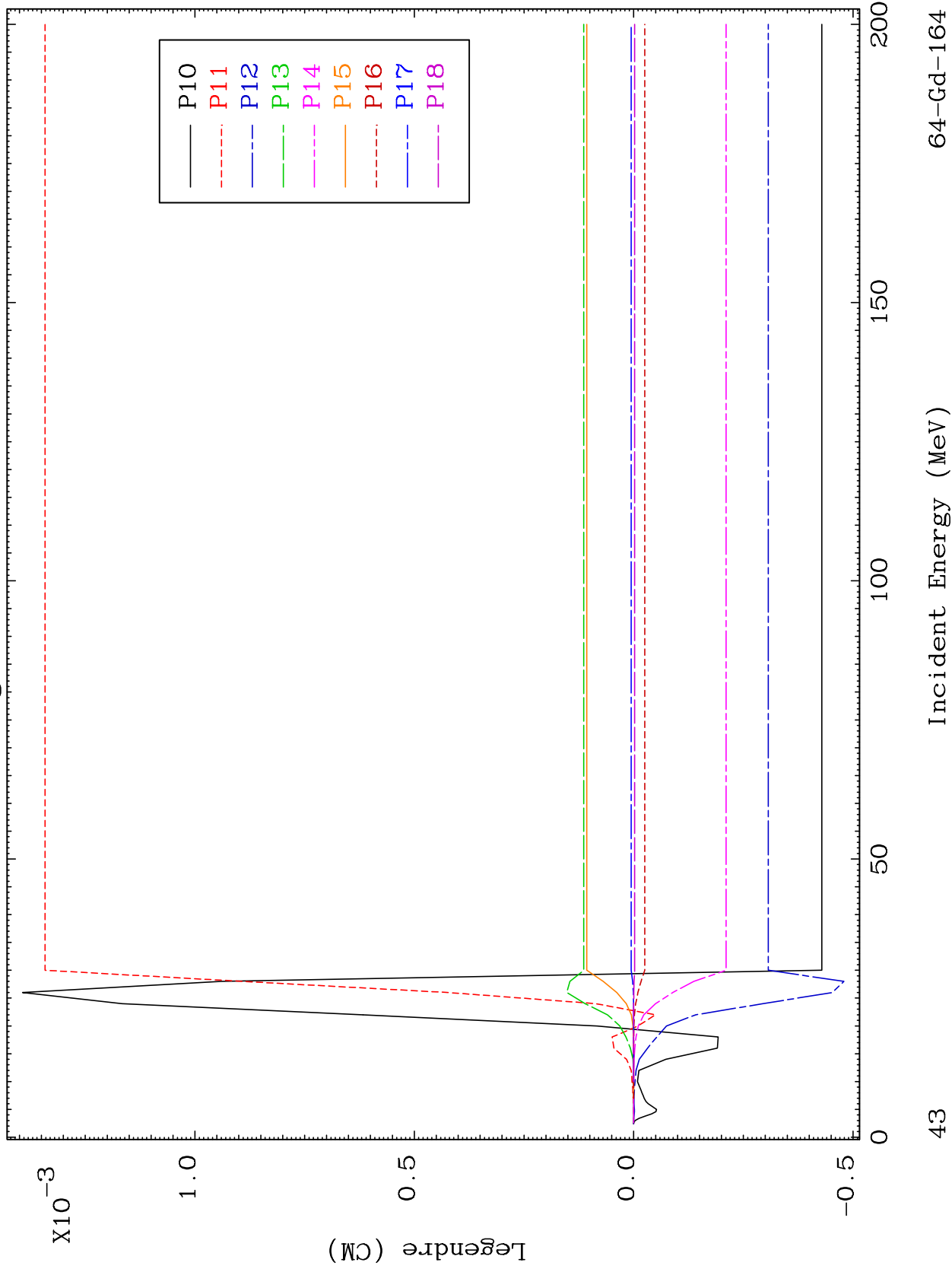




MAT 6461

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

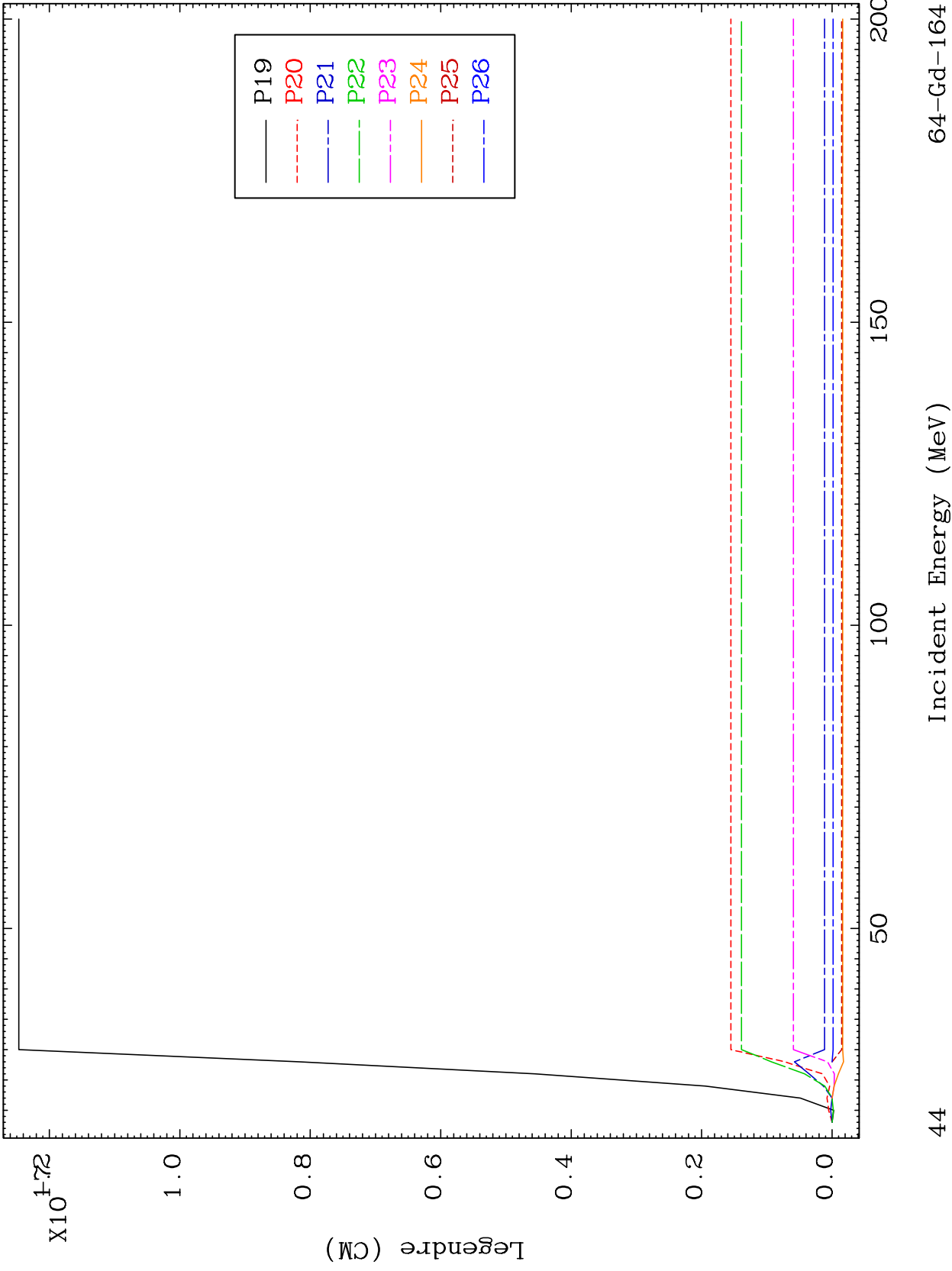
64-Gd-164



MAT 6461

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

64-Gd-164



44

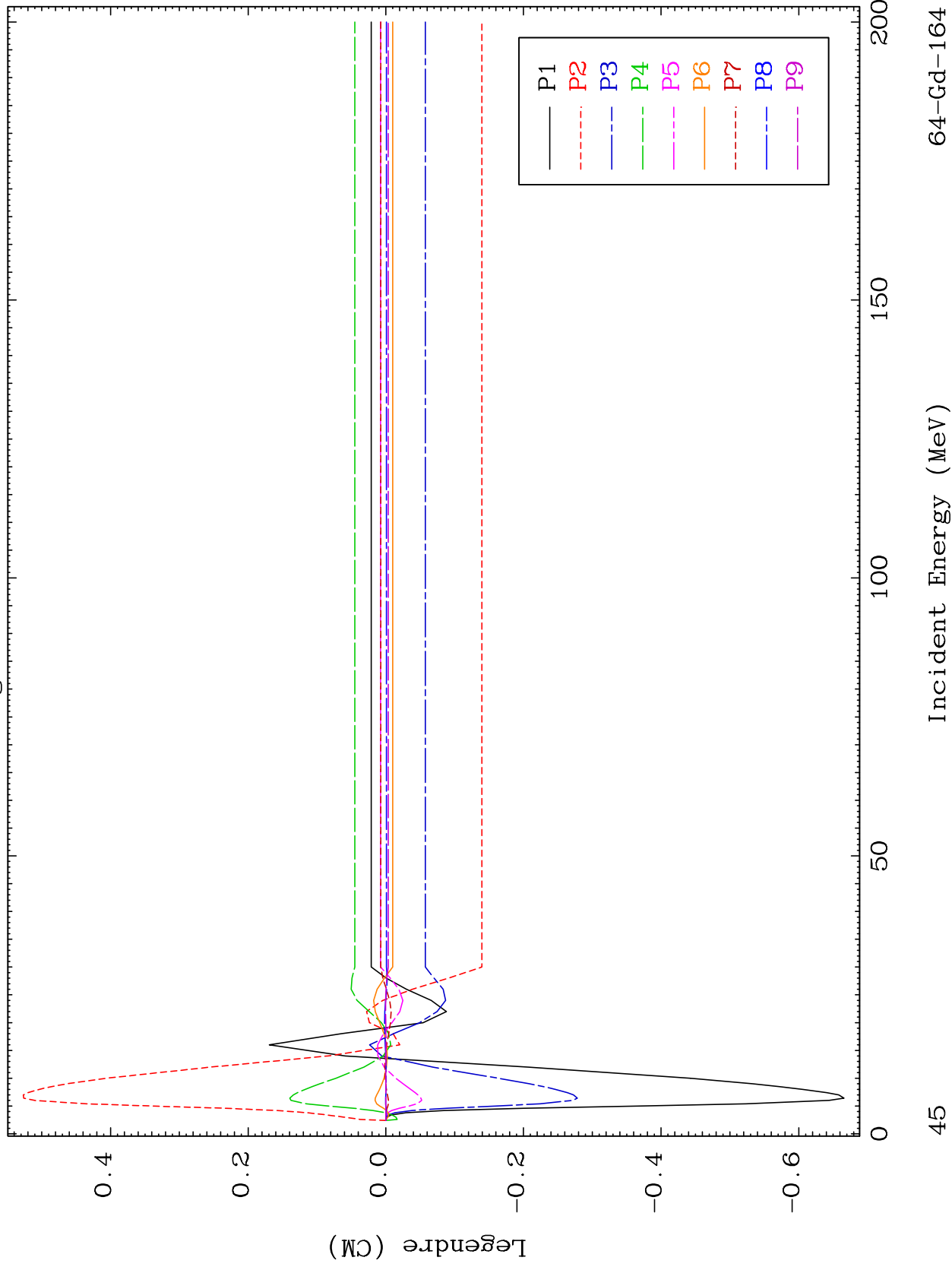
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

64-Gd-164



64-Gd-164

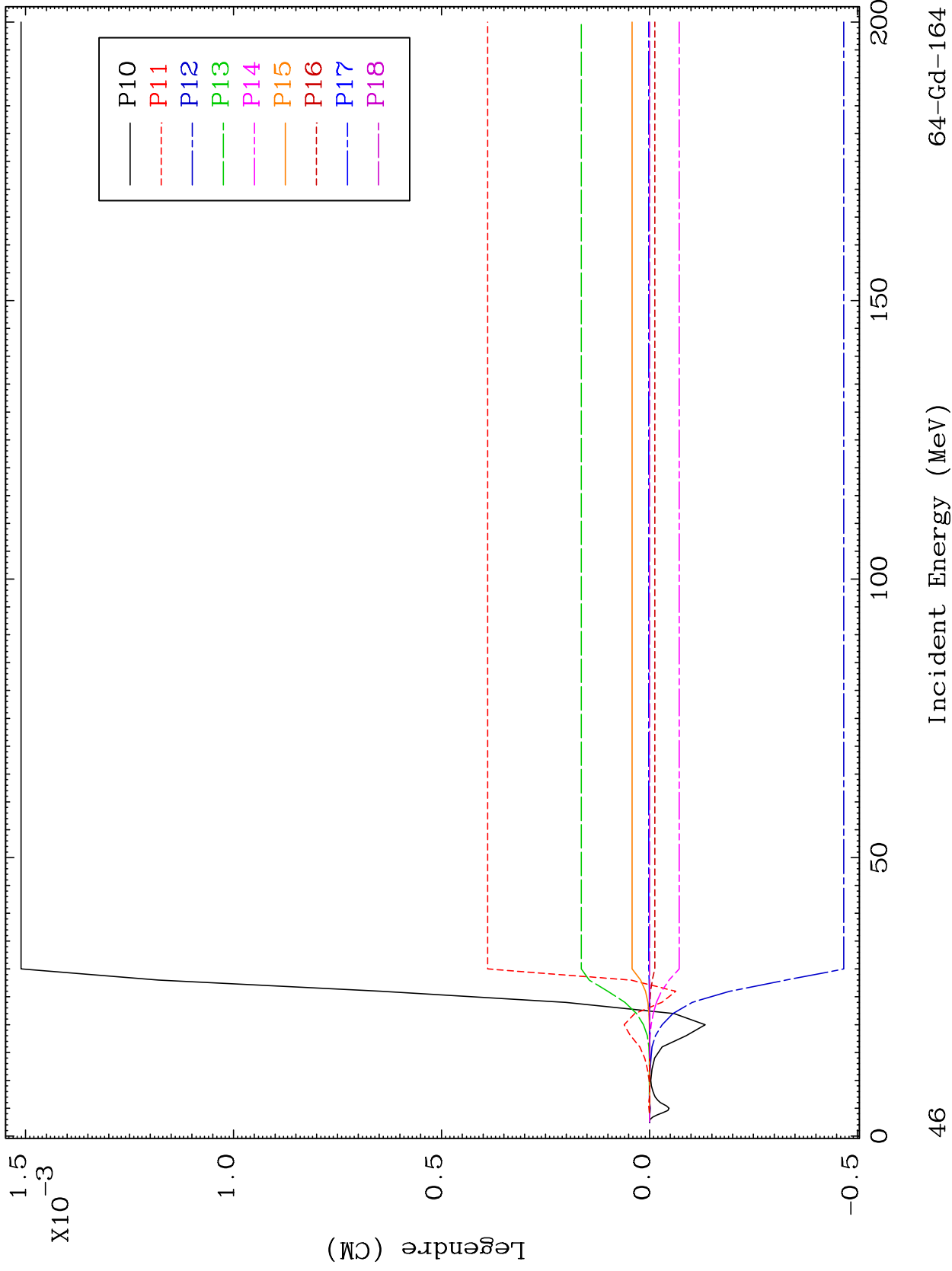
Incident Energy (MeV)

45

MAT 6461

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

64-Gd-164



46

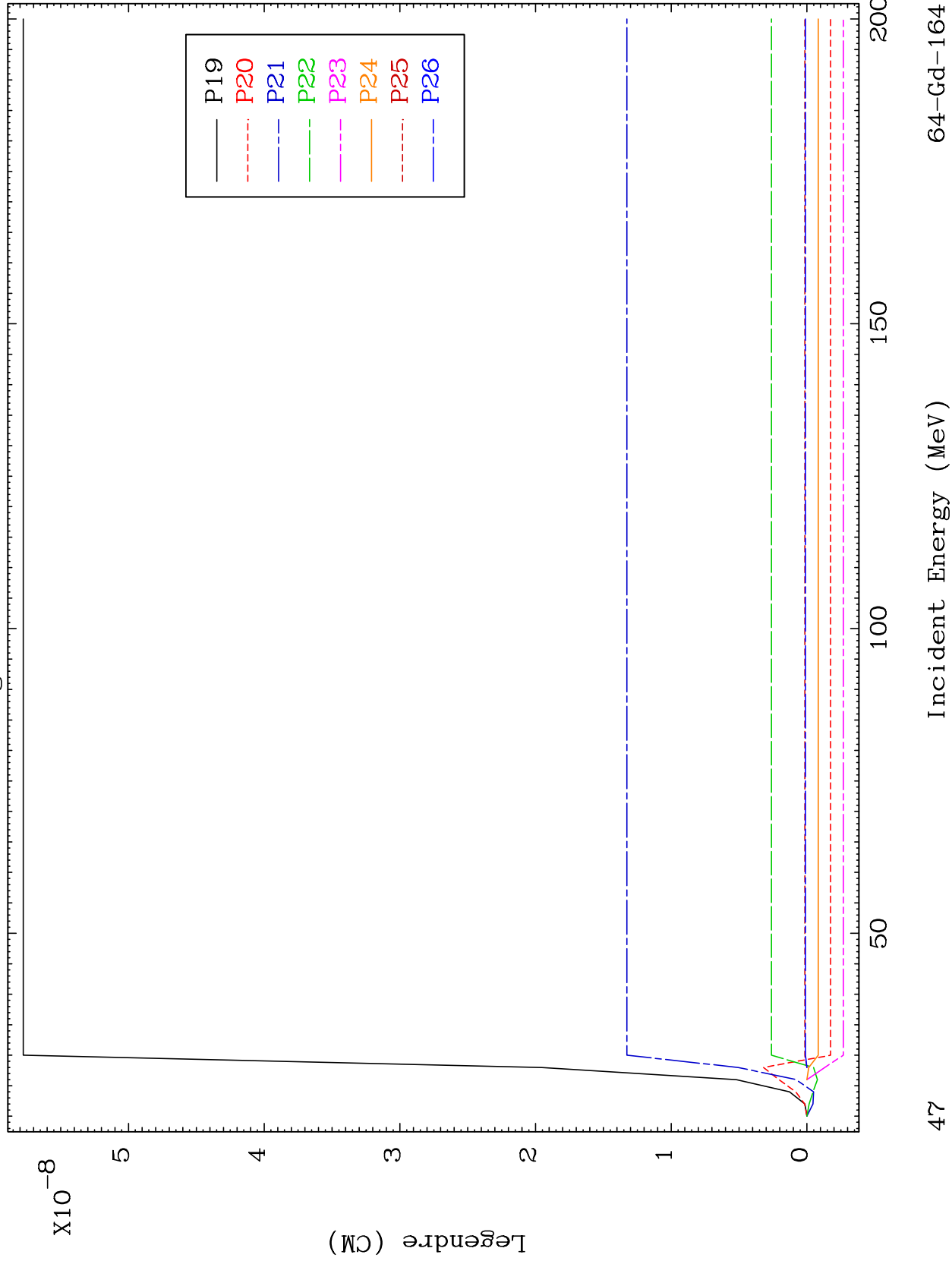
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

64-Gd-164

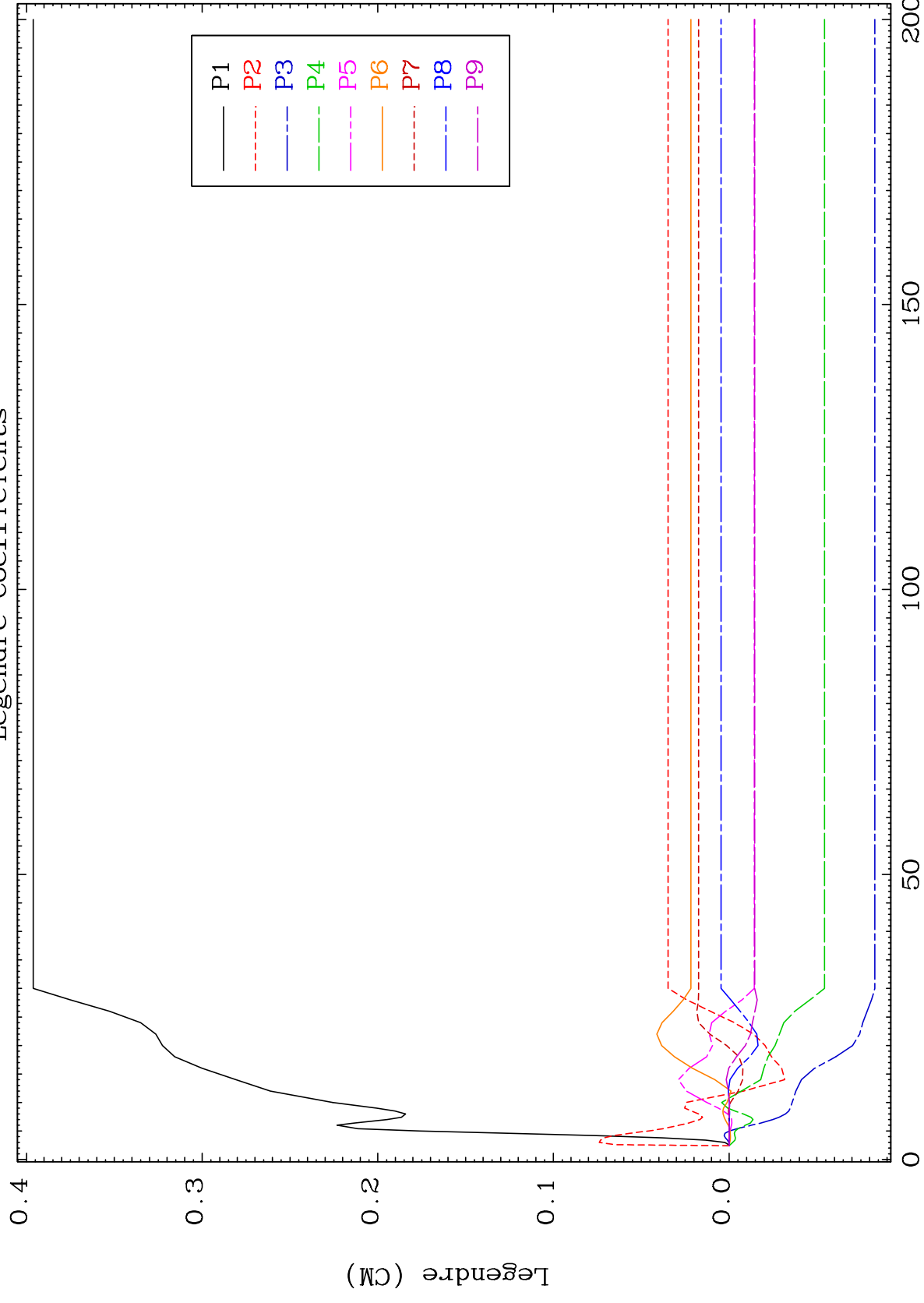




MAT 6461

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

64-Gd-164



48

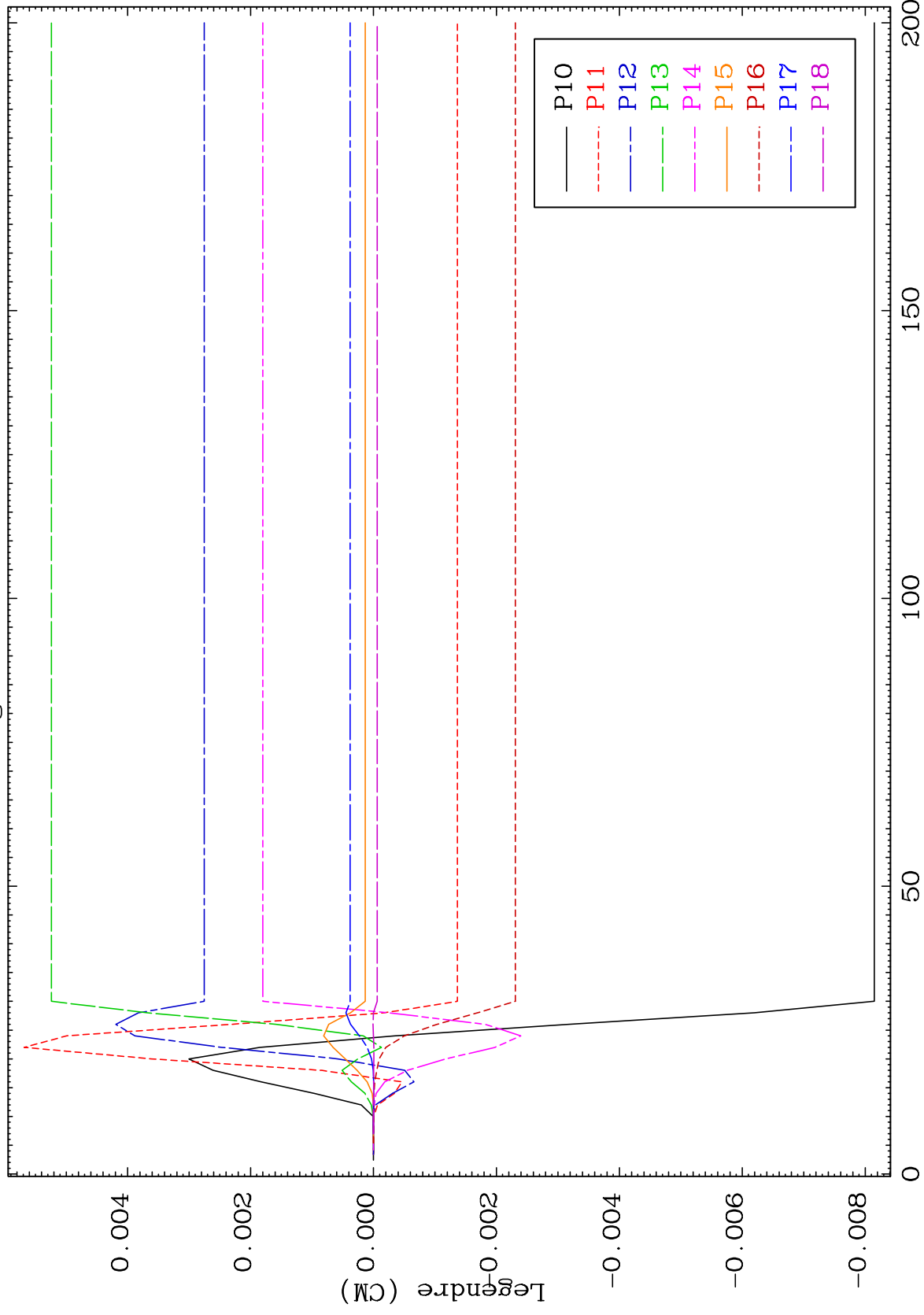
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

64-Gd-164



49

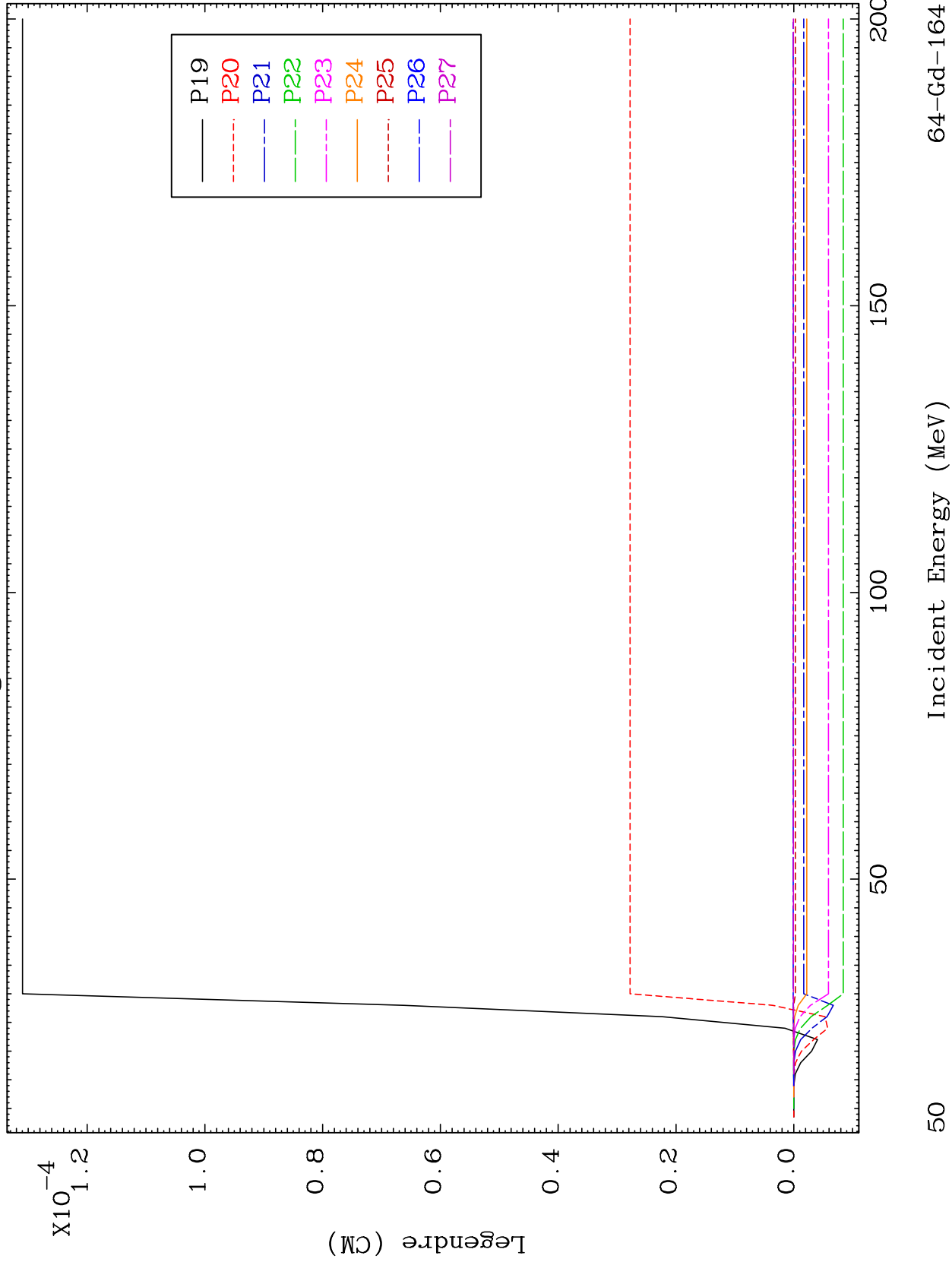
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

64-Gd-164



64-Gd-164

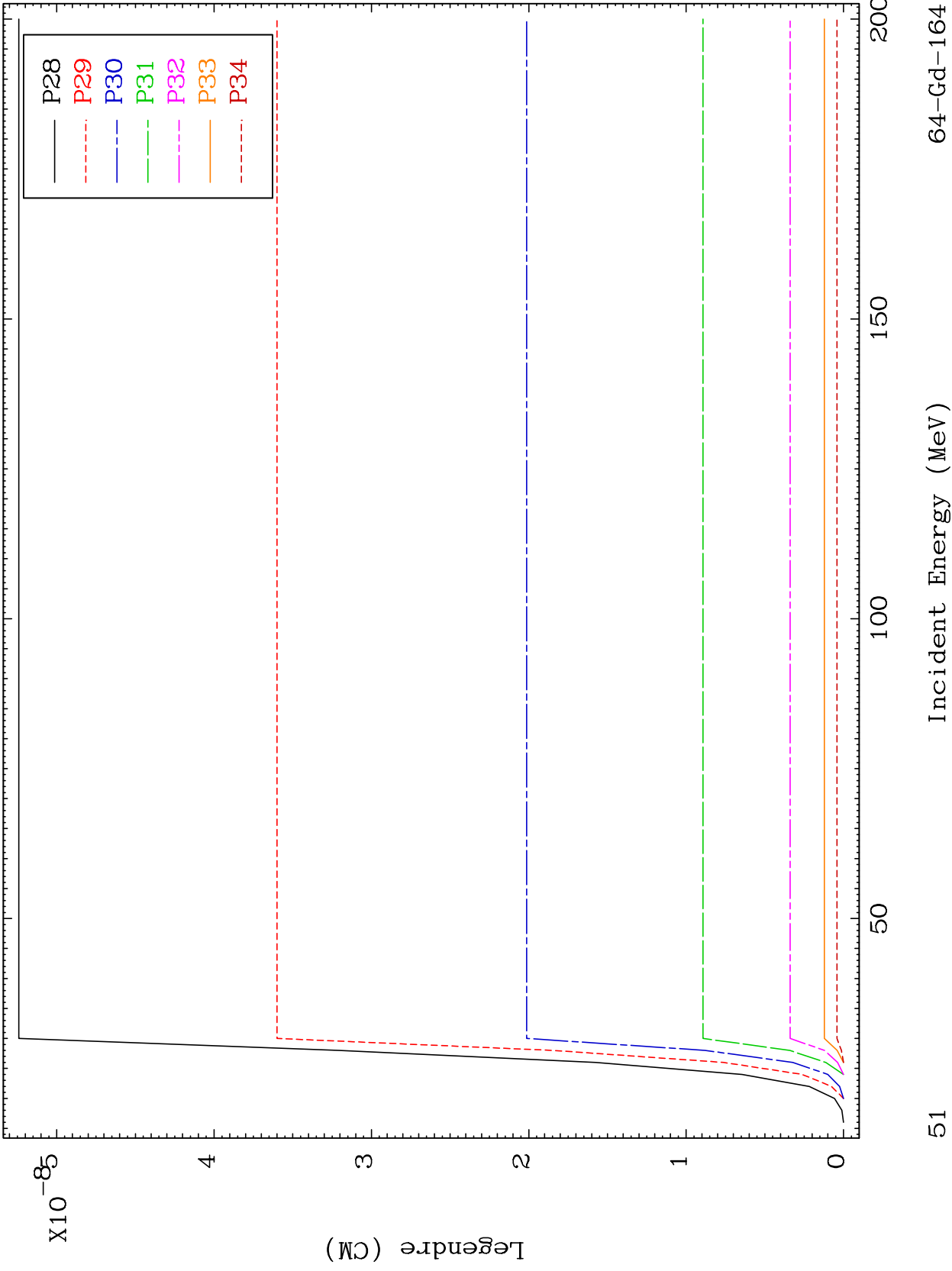
Incident Energy (MeV)

50

MAT 6461

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

64-Gd-164



51

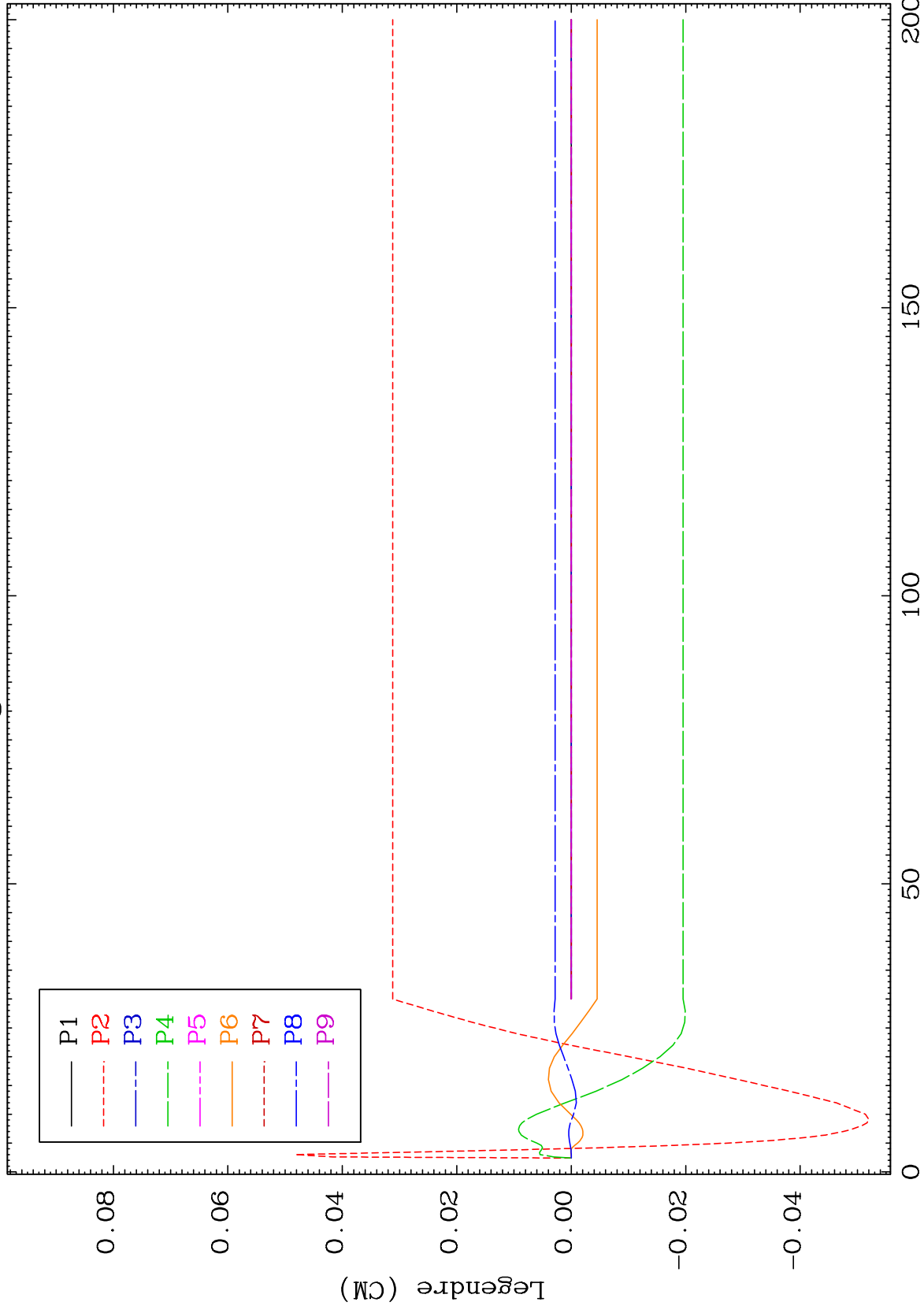
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

64-Gd-164



52

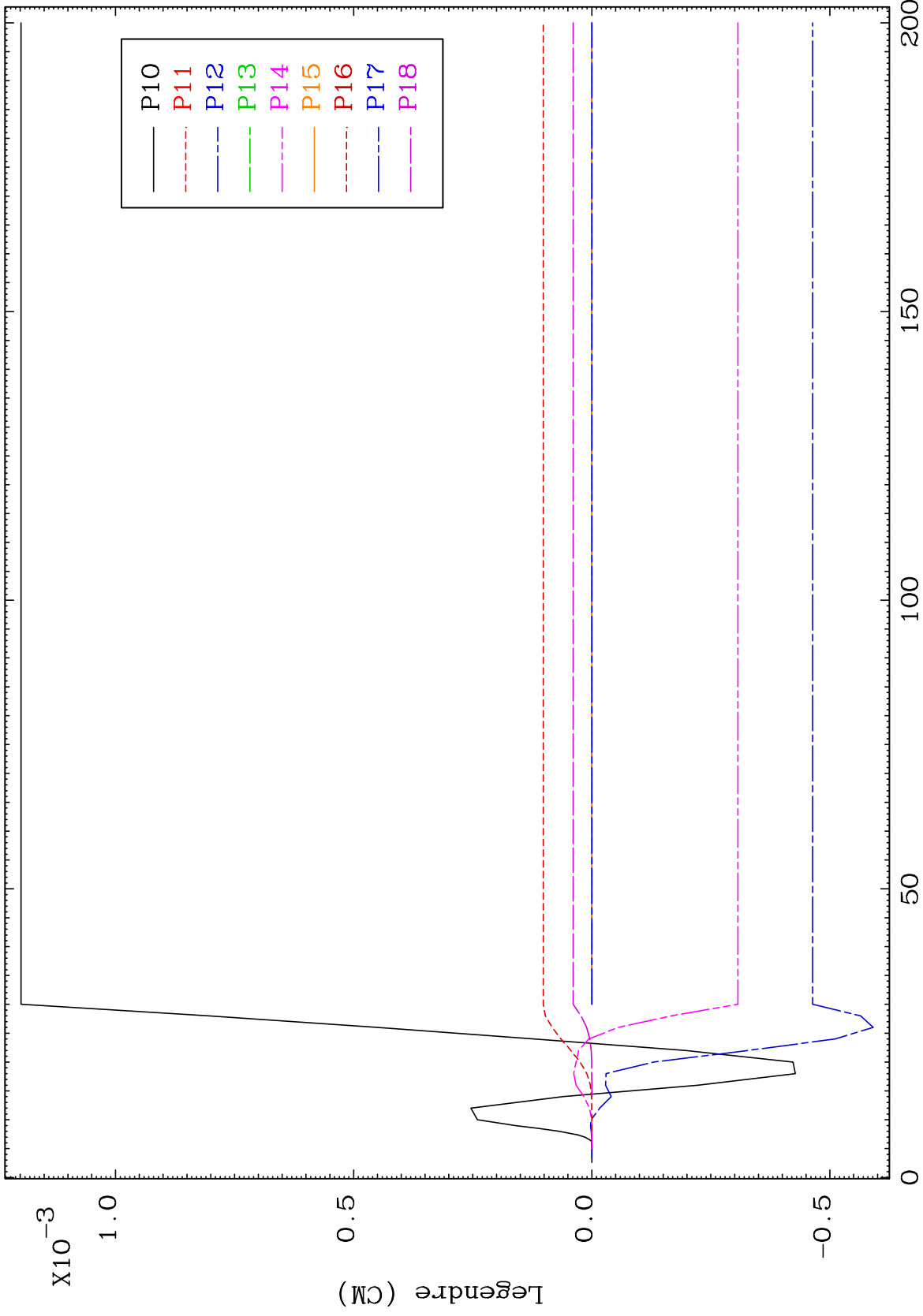
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

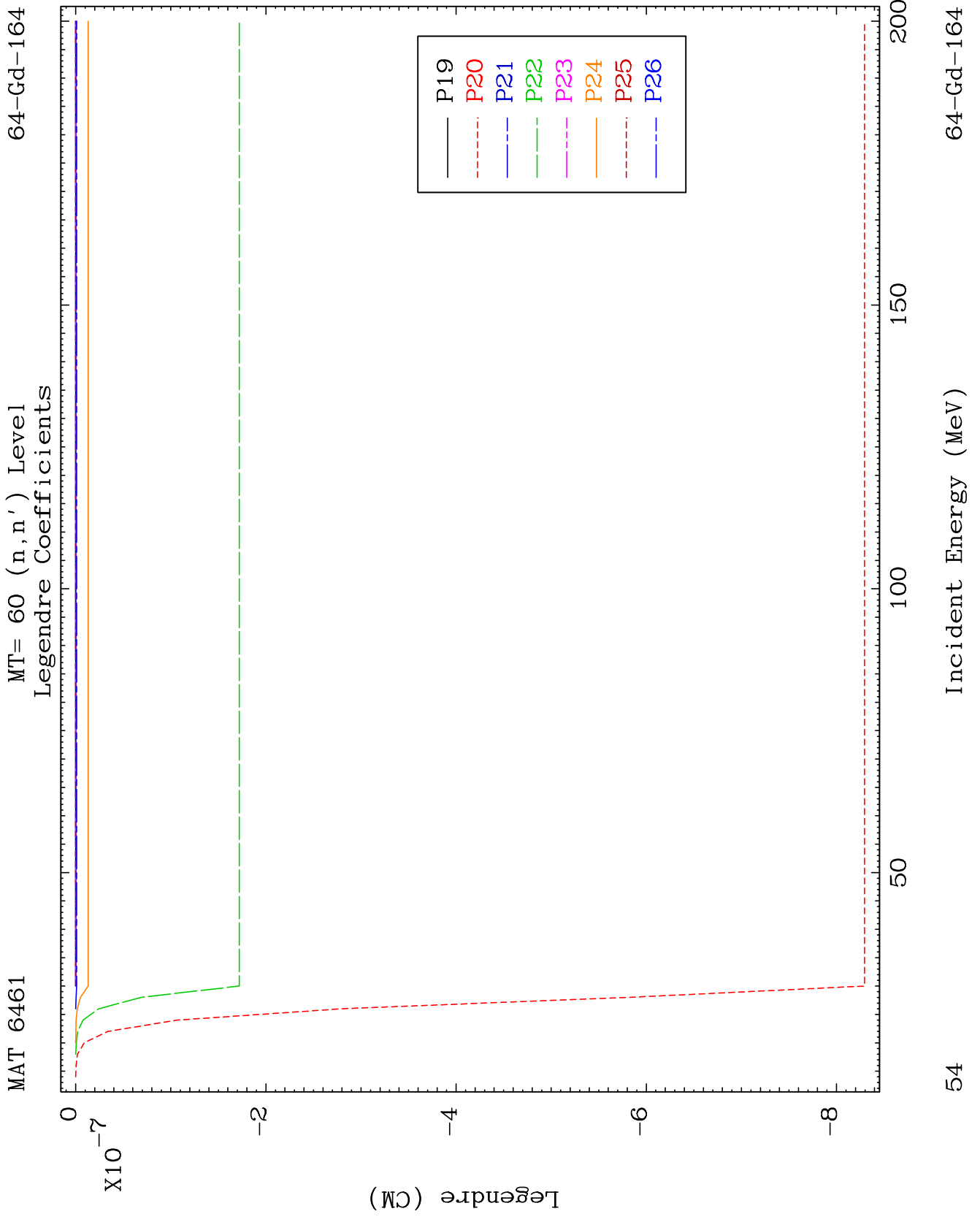
64-Gd-164



53

Incident Energy (MeV)

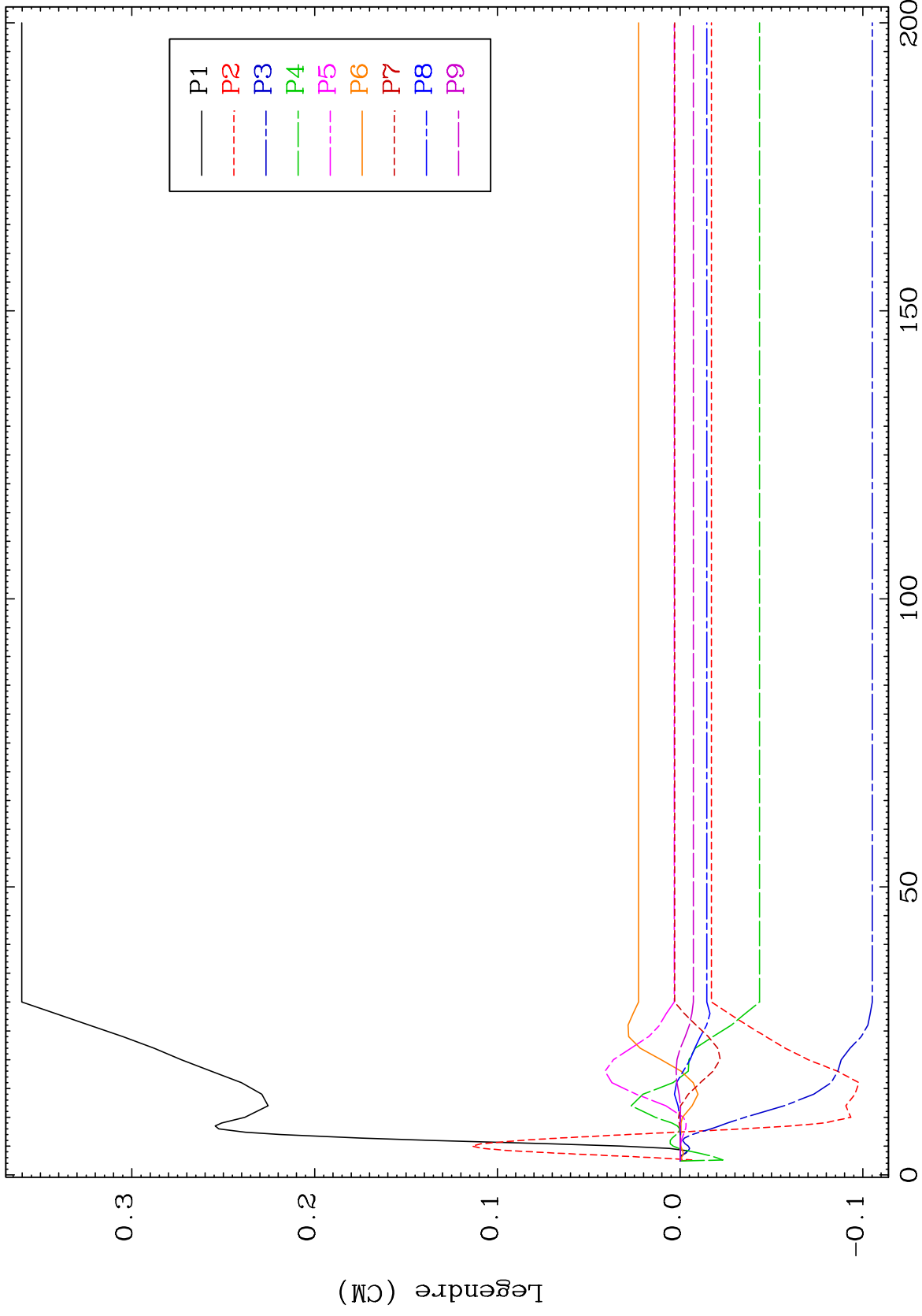
64-Gd-164



MAT 6461

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

64-Gd-164



55

Incident Energy (MeV)

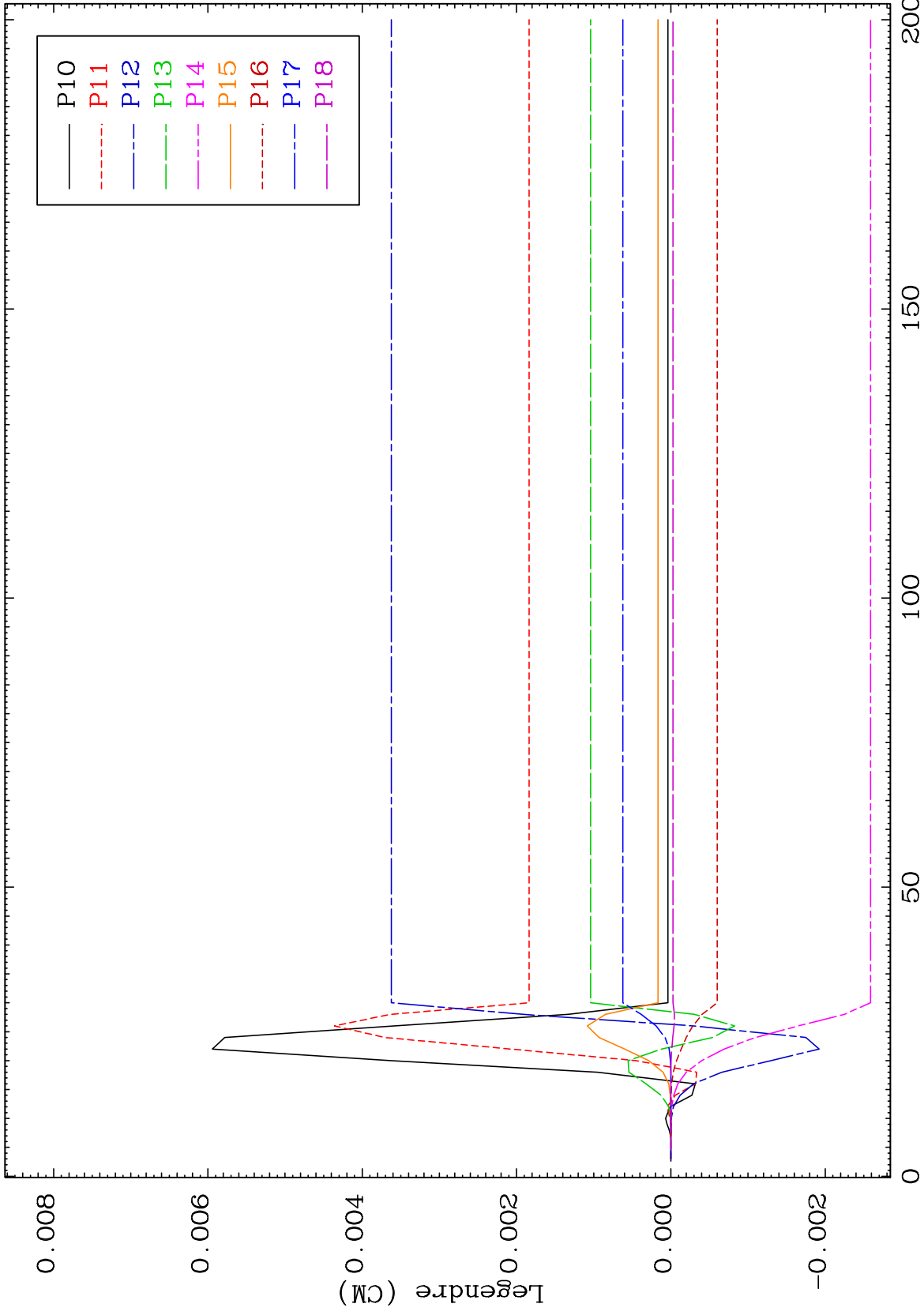
64-Gd-164



MAT 6461

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

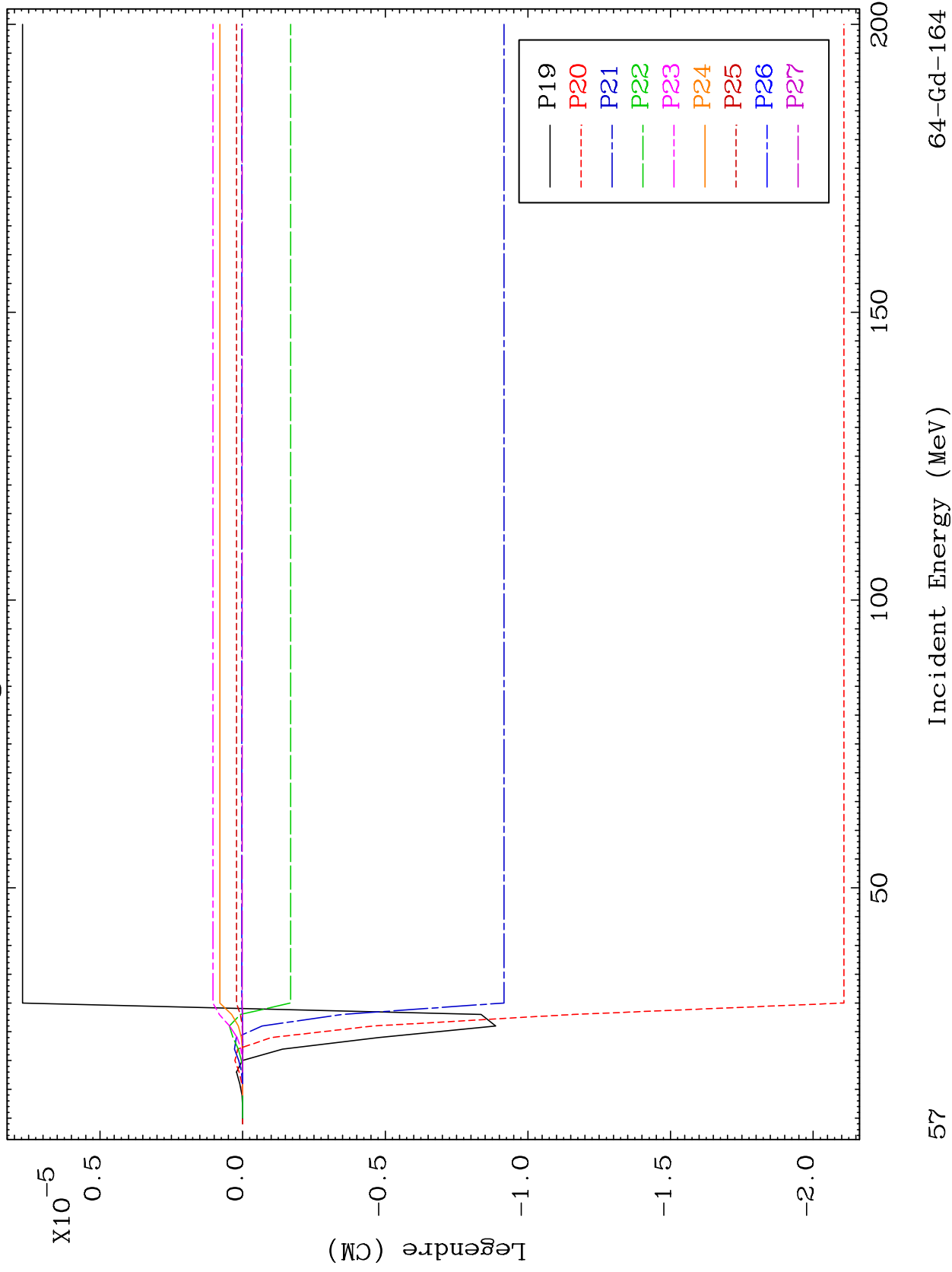
64-Gd-164



56

Incident Energy (MeV)

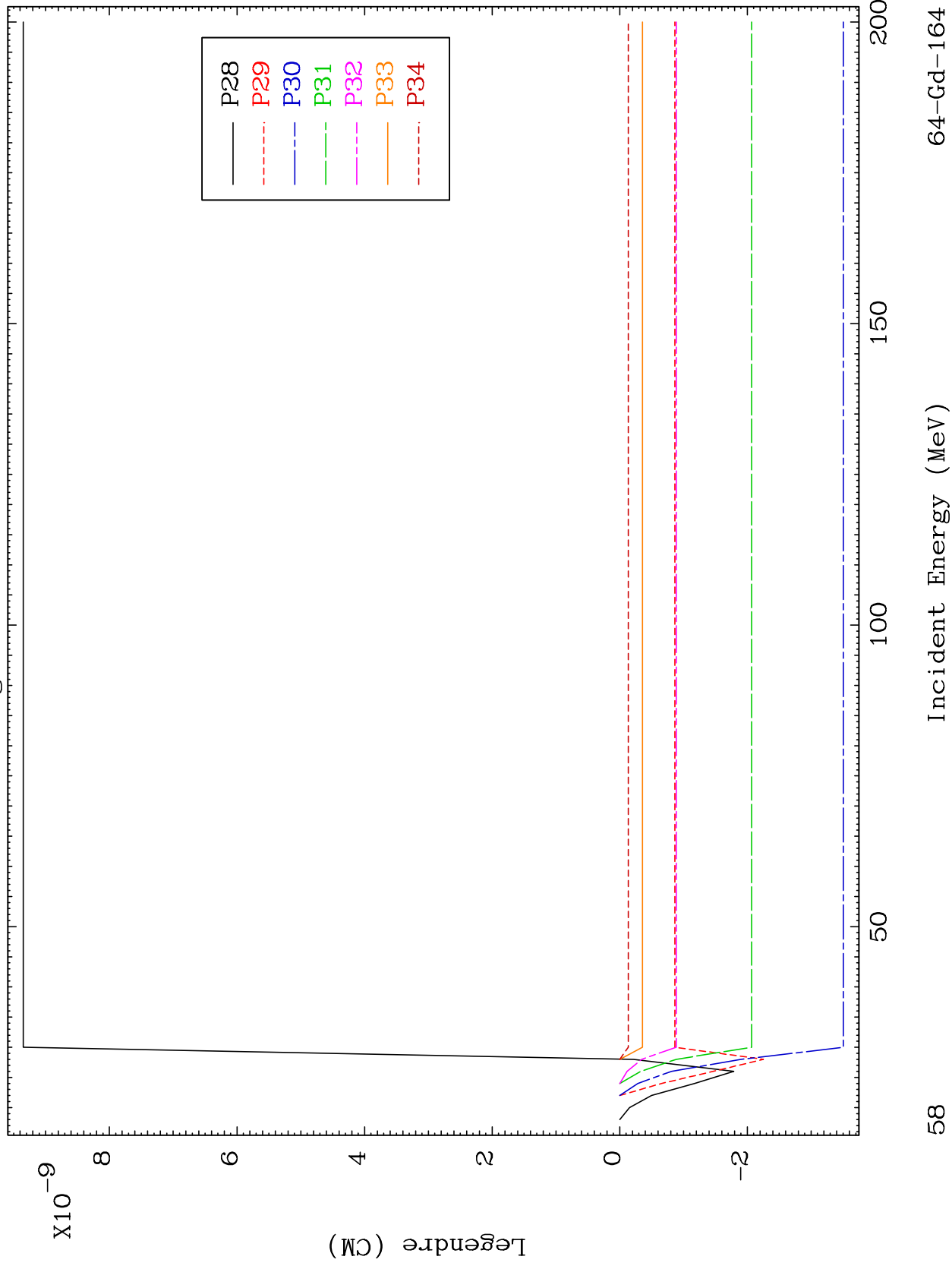
64-Gd-164



MAT 6461

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

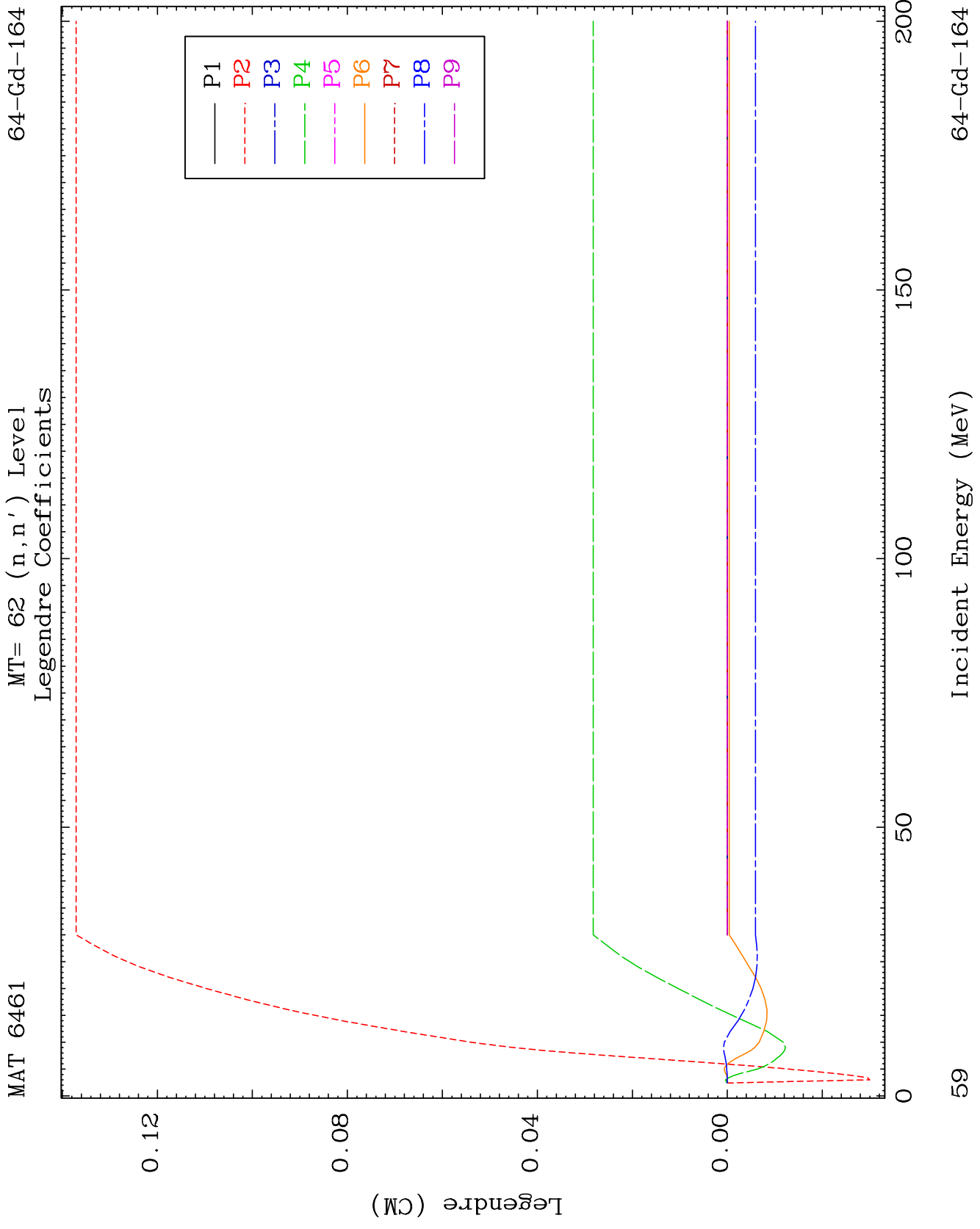
64-Gd-164



58

Incident Energy (MeV)

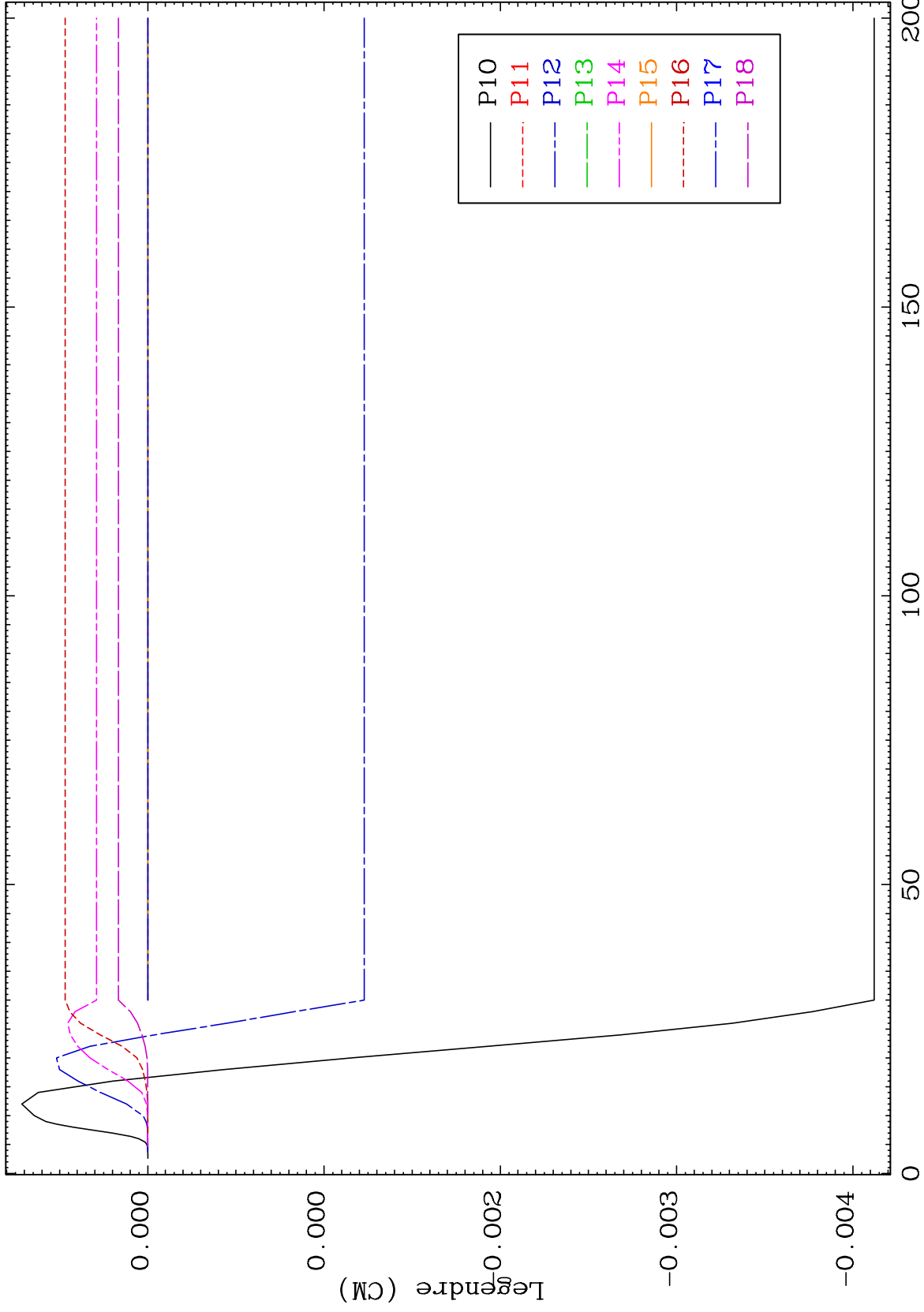
64-Gd-164



MAT 6461

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

64-Gd-164



60

Incident Energy (MeV)

64-Gd-164

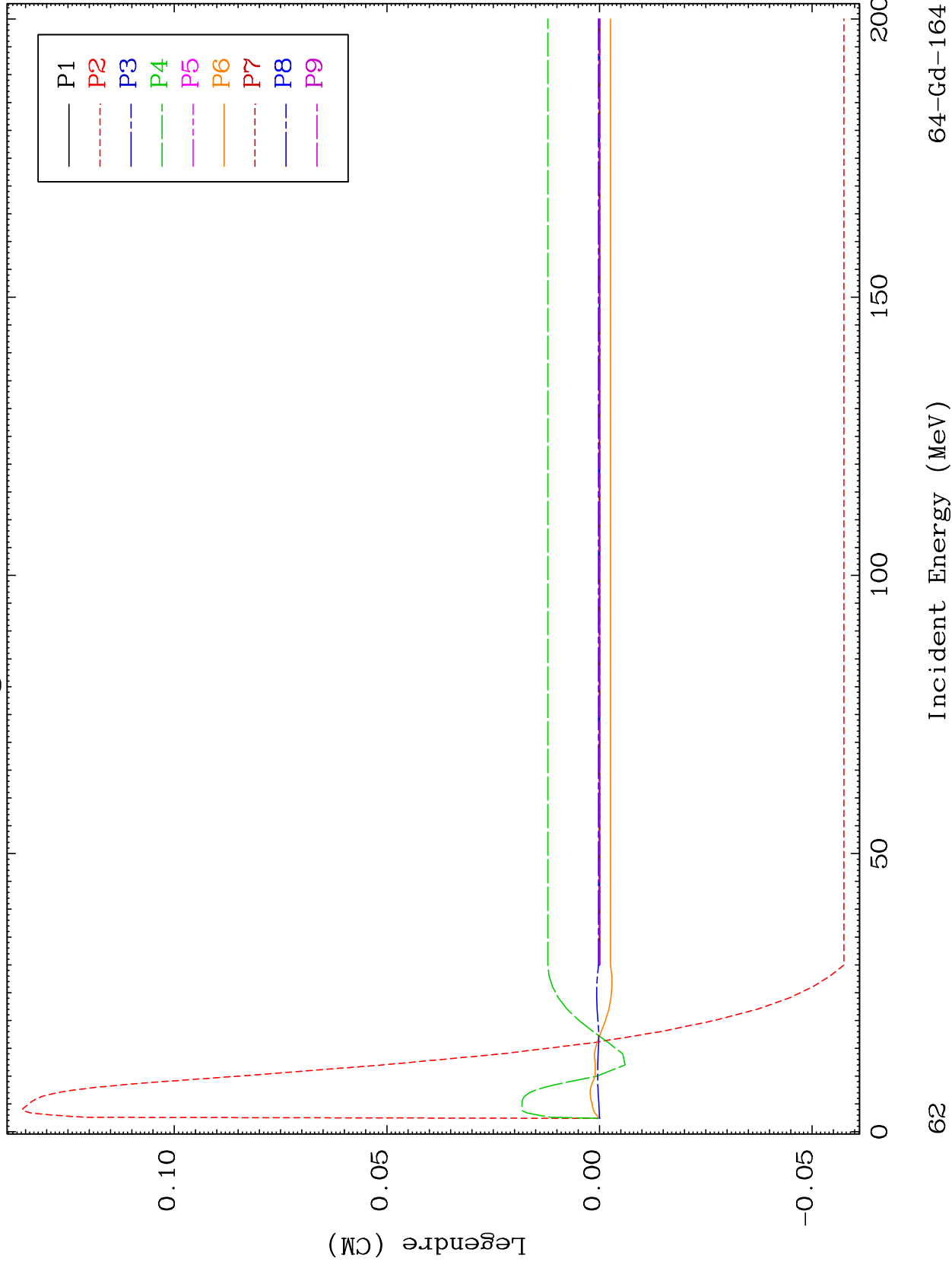
200



MAT 6461

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

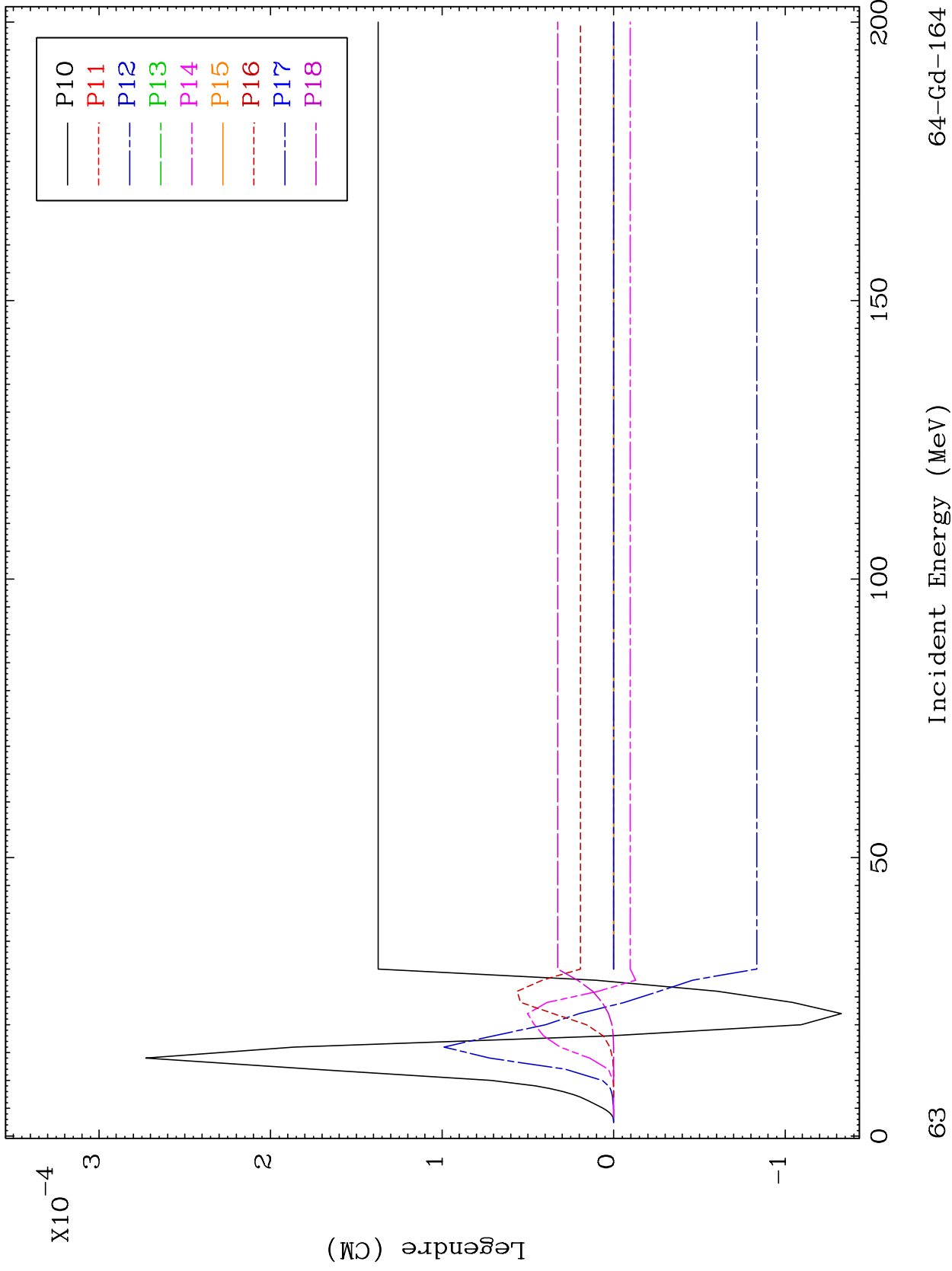
64-Gd-164



MAT 6461

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

64-Gd-164

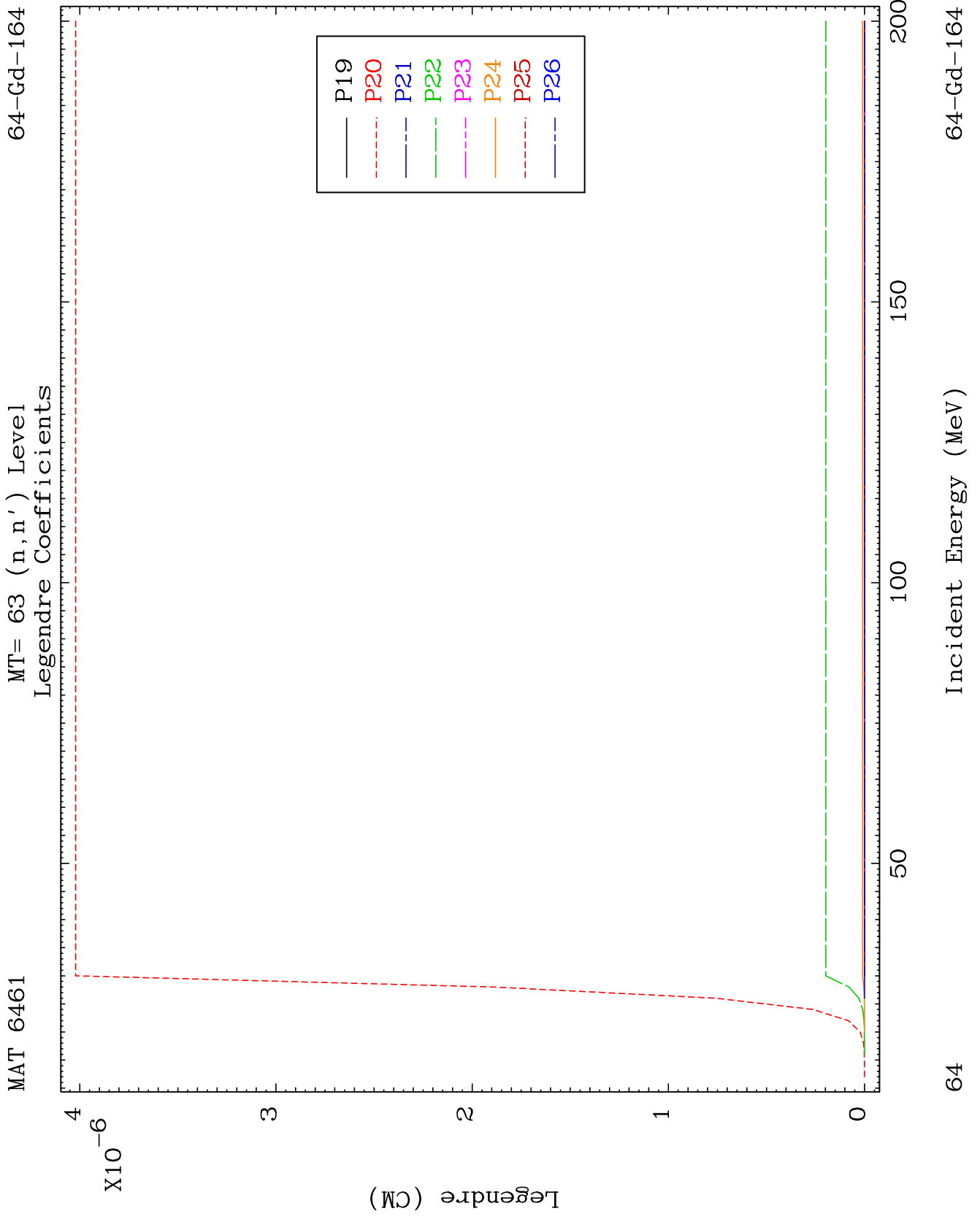


63

Incident Energy (MeV)

64-Gd-164



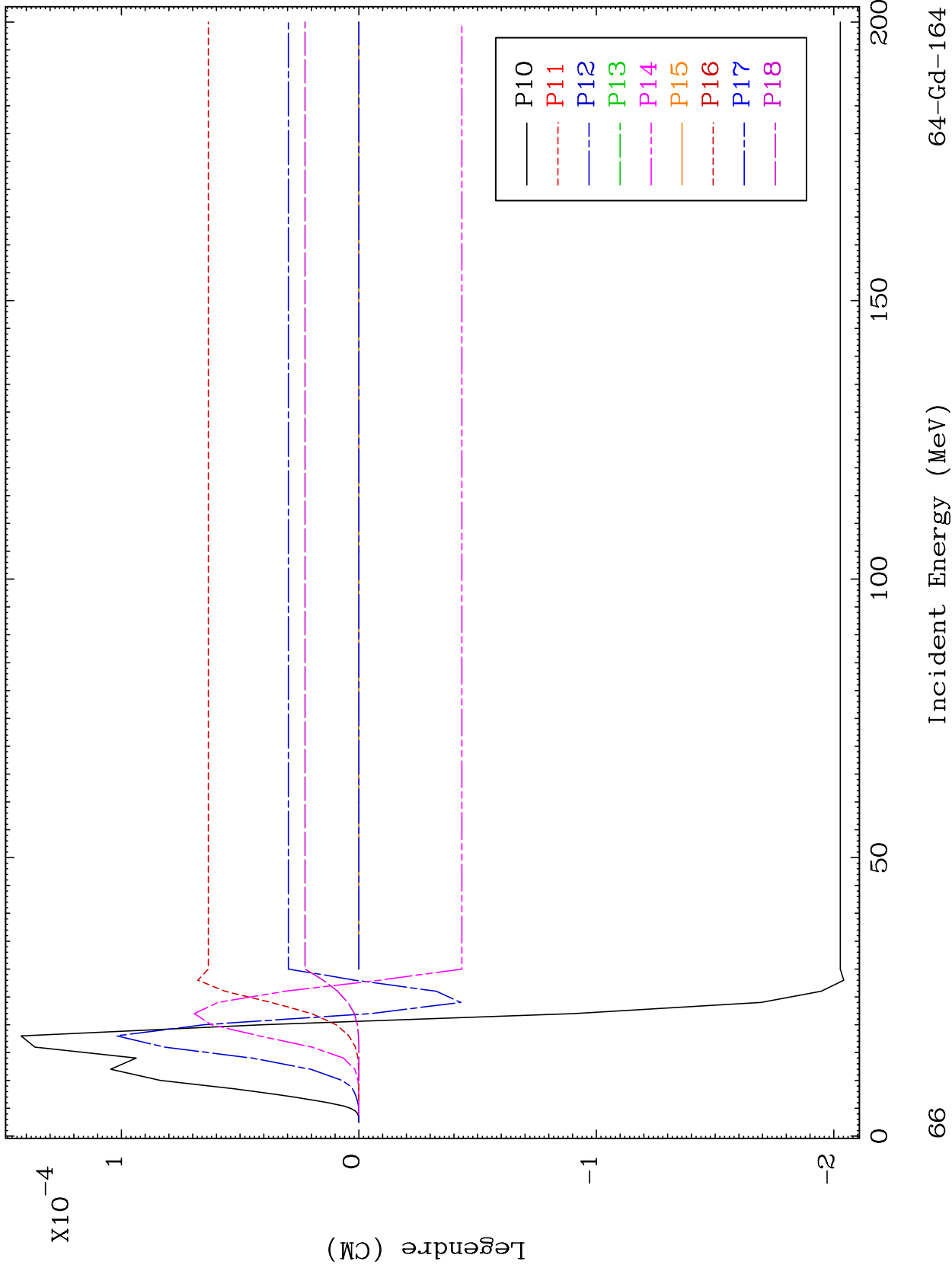




MAT 6461

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

64-Gd-164



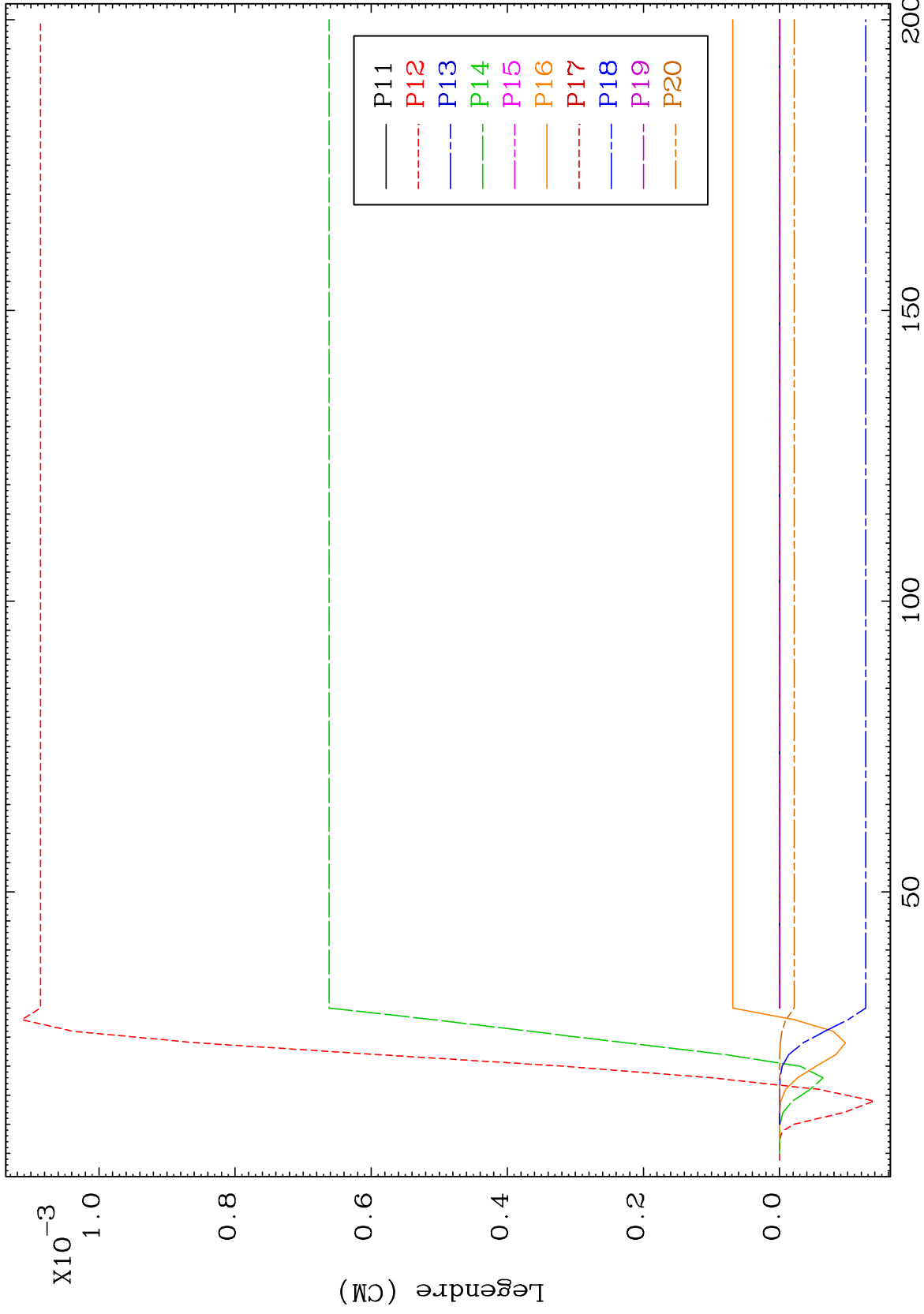




MAT 6461

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

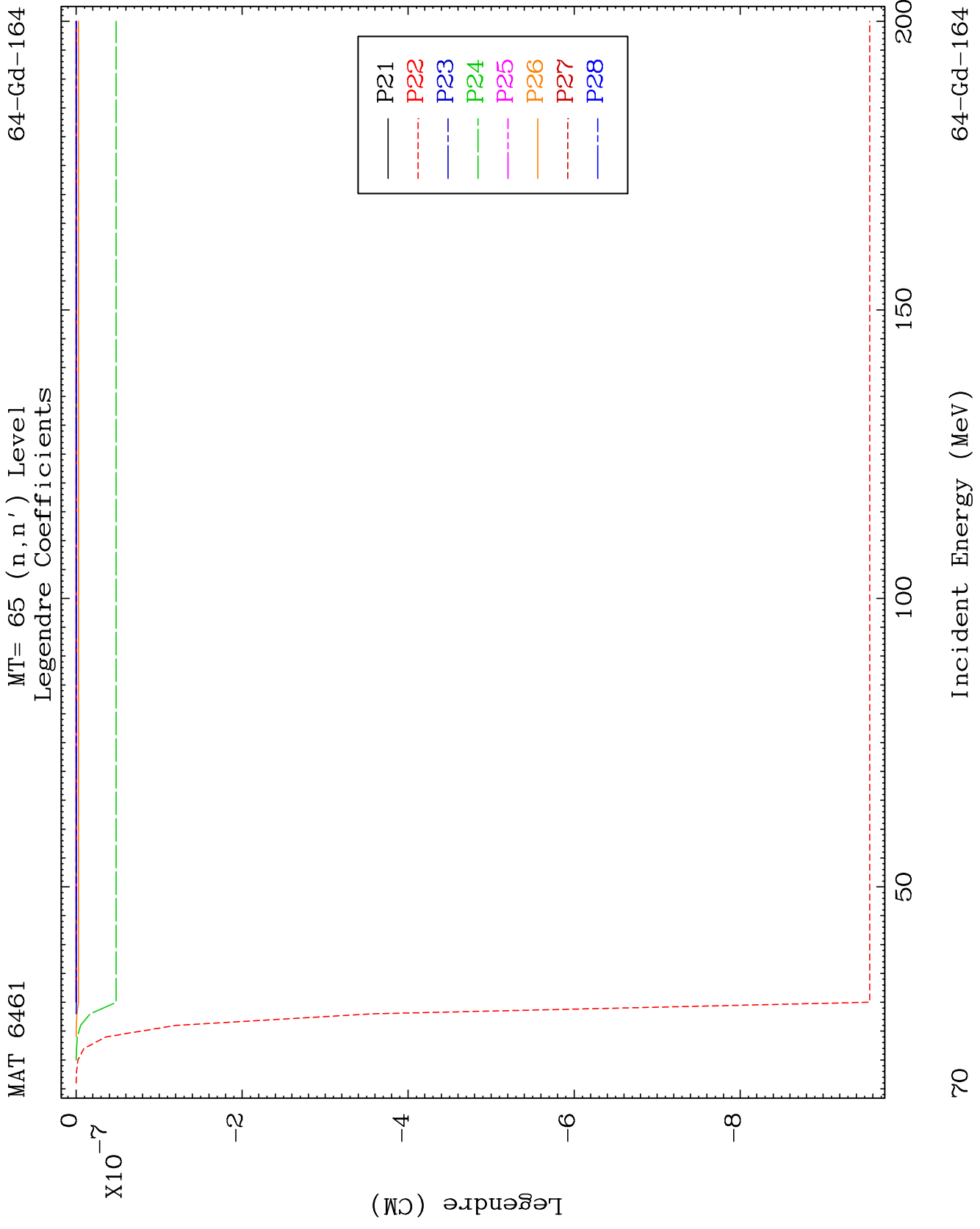
64-Gd-164



69

Incident Energy (MeV)

64-Gd-164



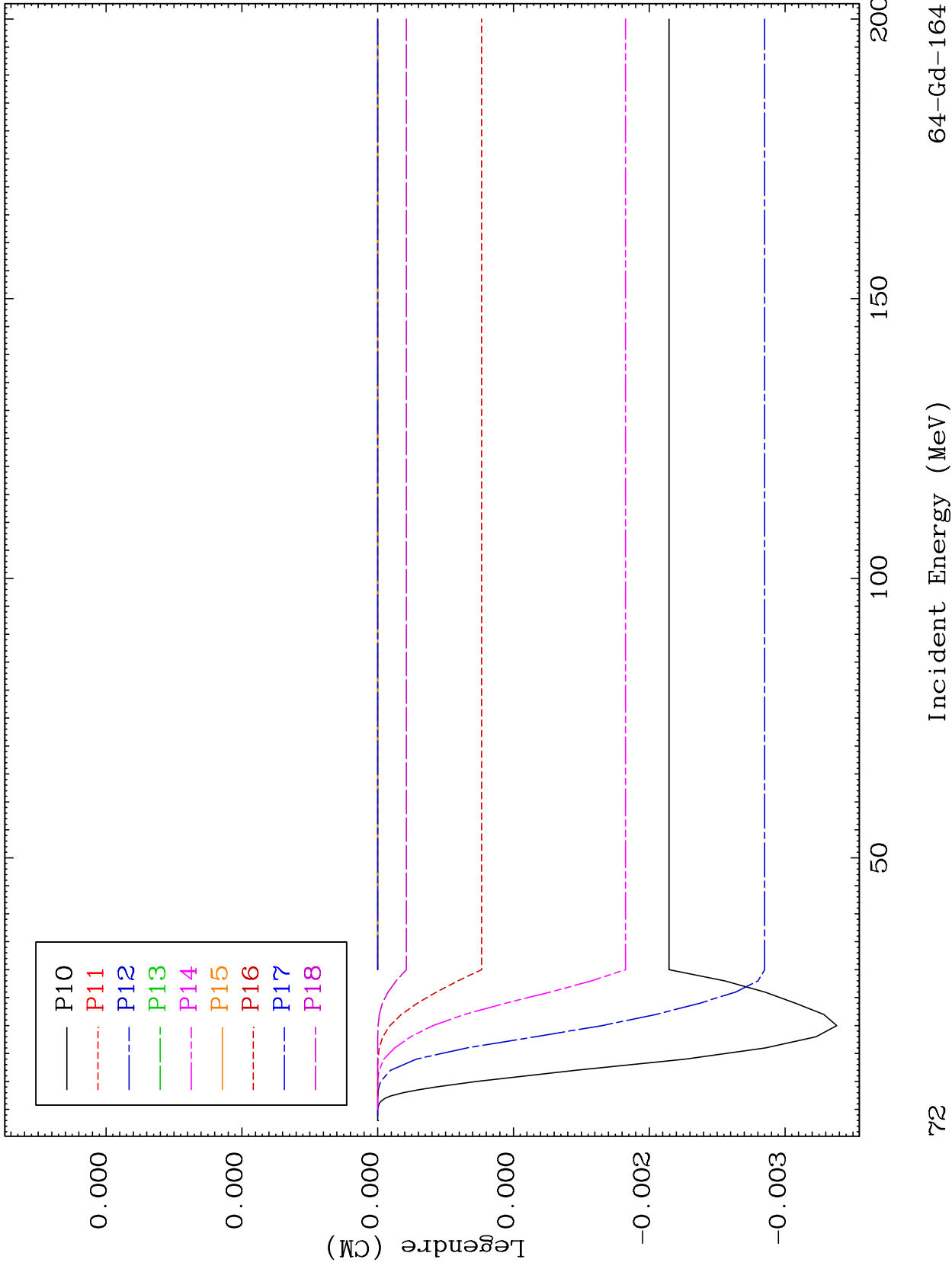


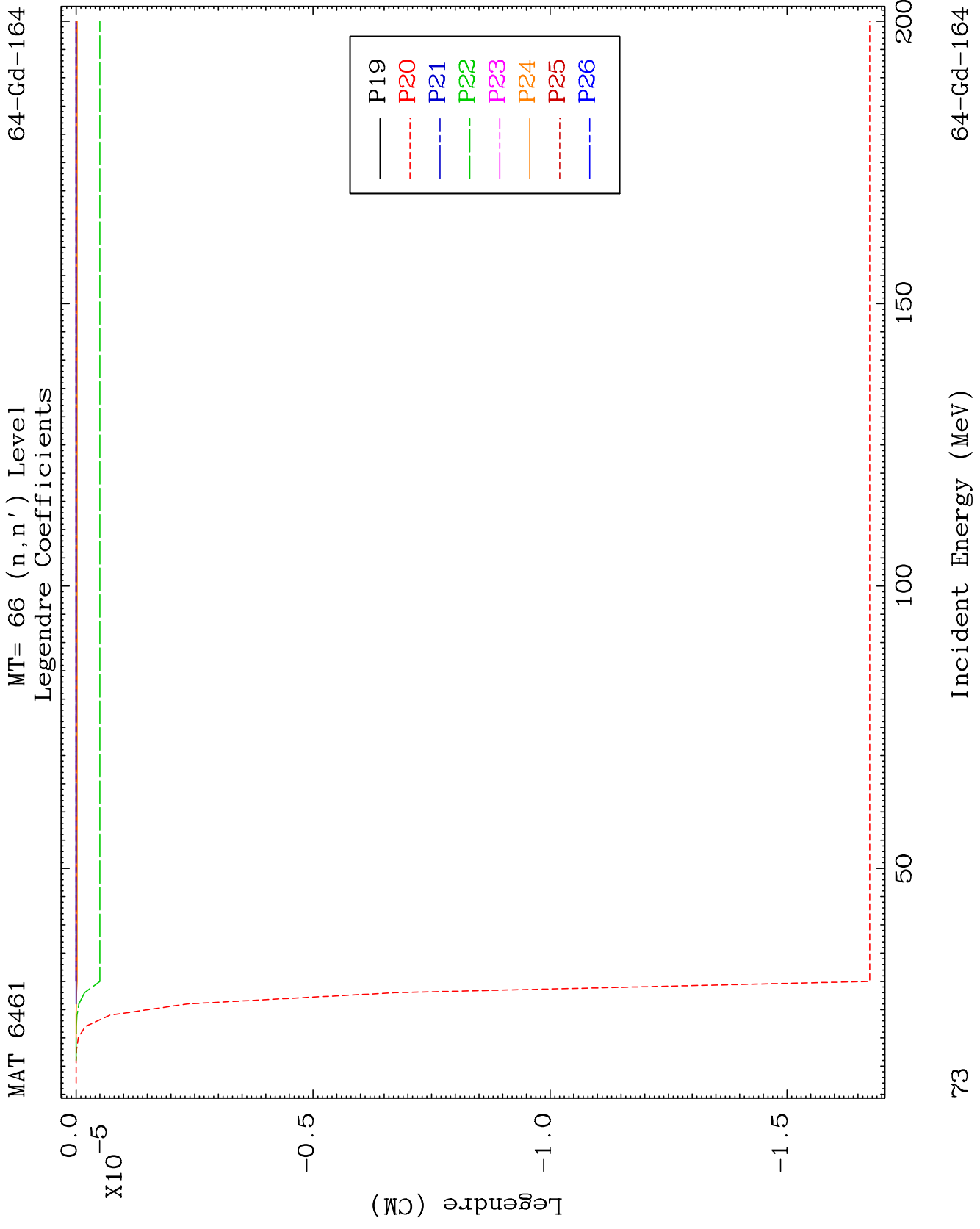


MAT 6461

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

64-Gd-164

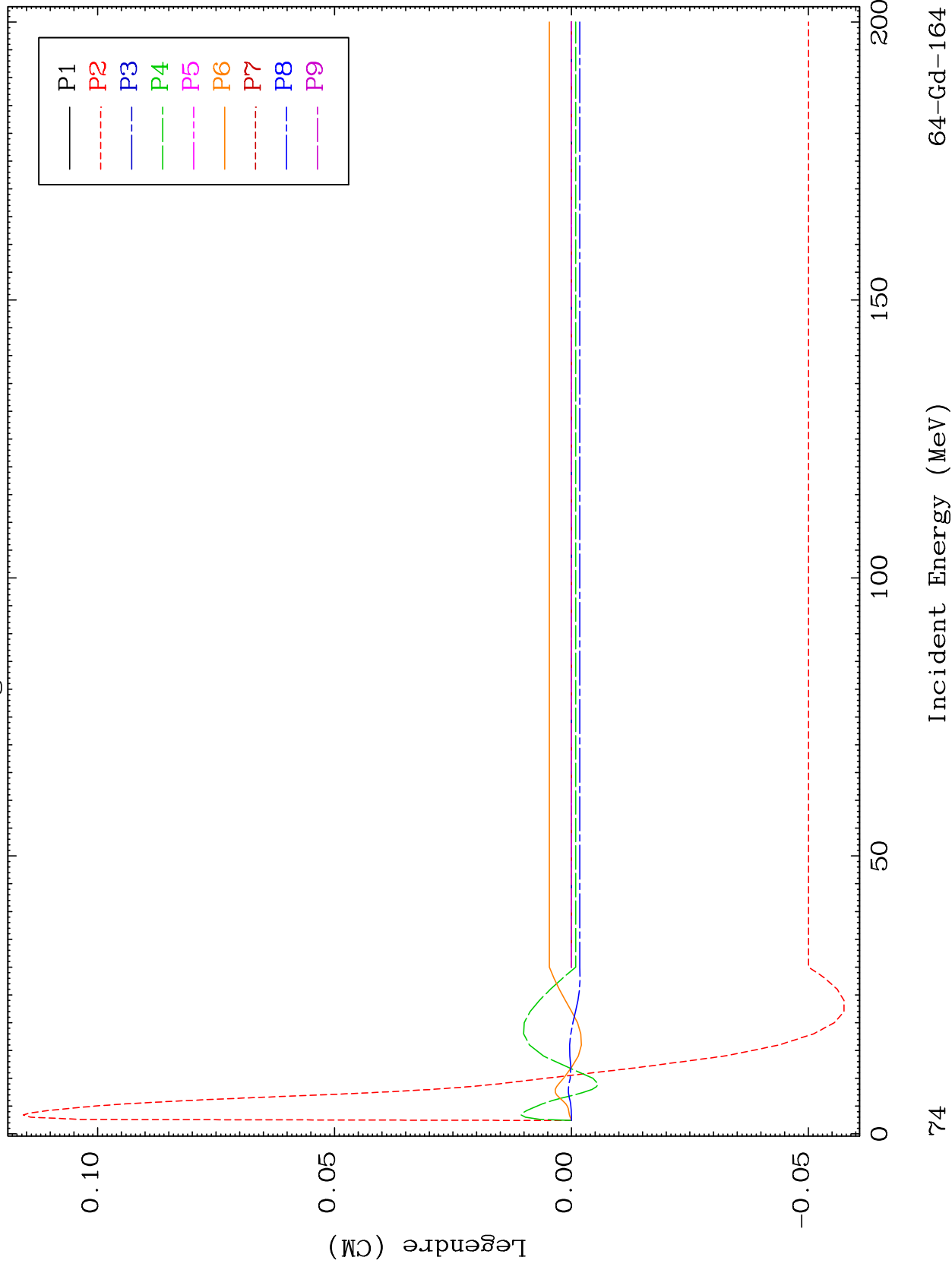




MAT 6461

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

64-Gd-164



74

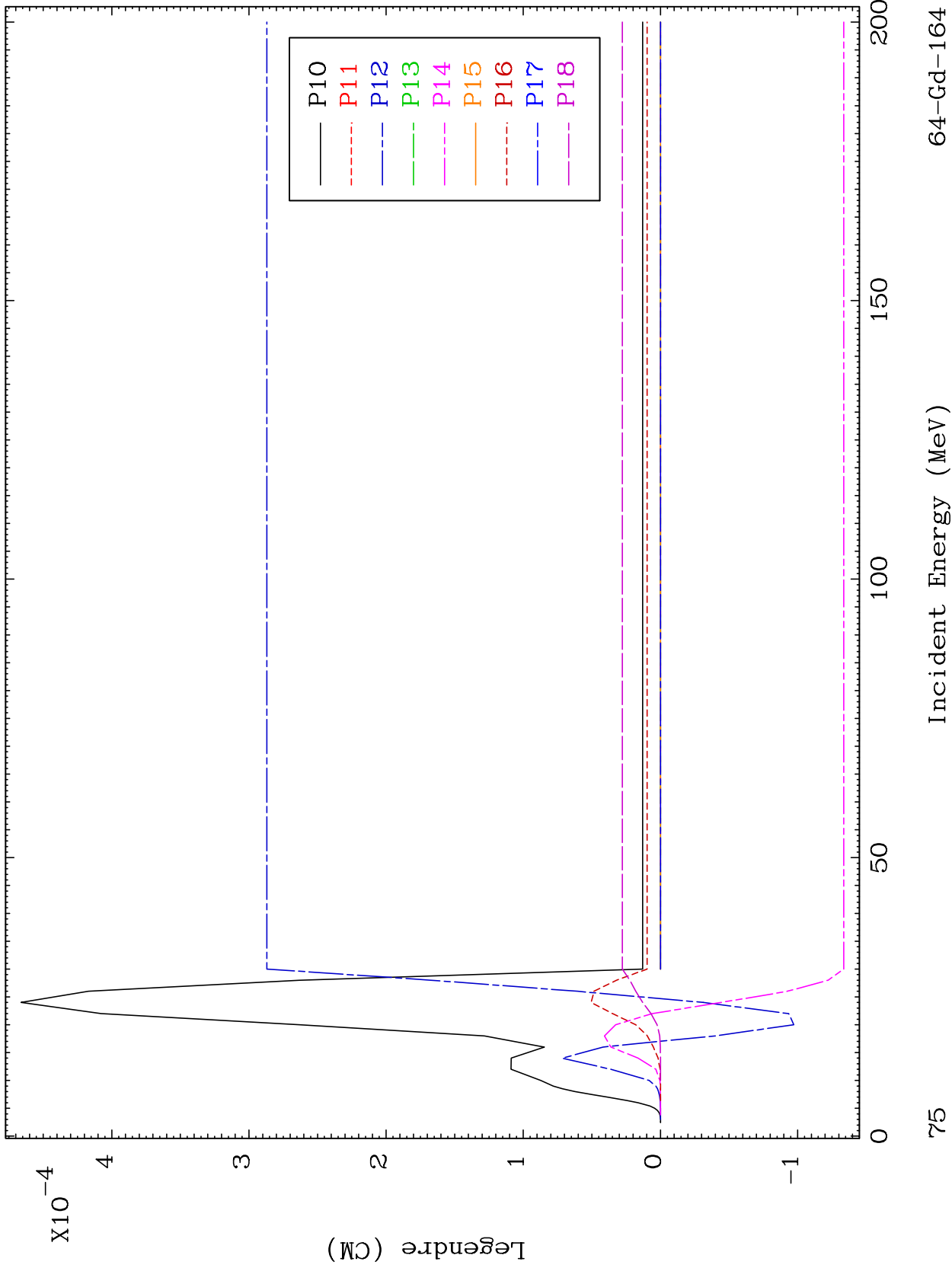
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

64-Gd-164



64-Gd-164

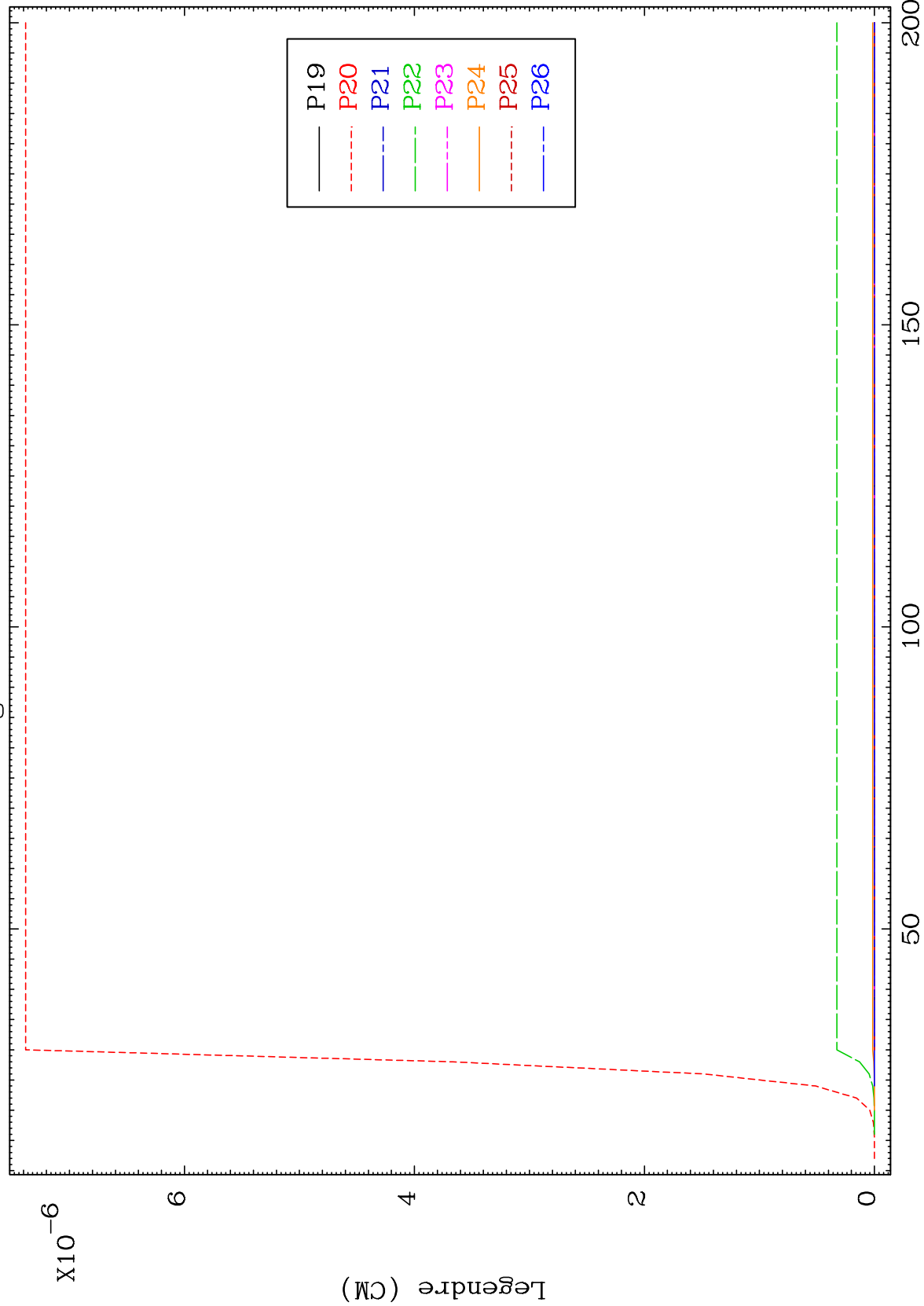
Incident Energy (MeV)

75

MAT 6461

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

64-Gd-164



64-Gd-164

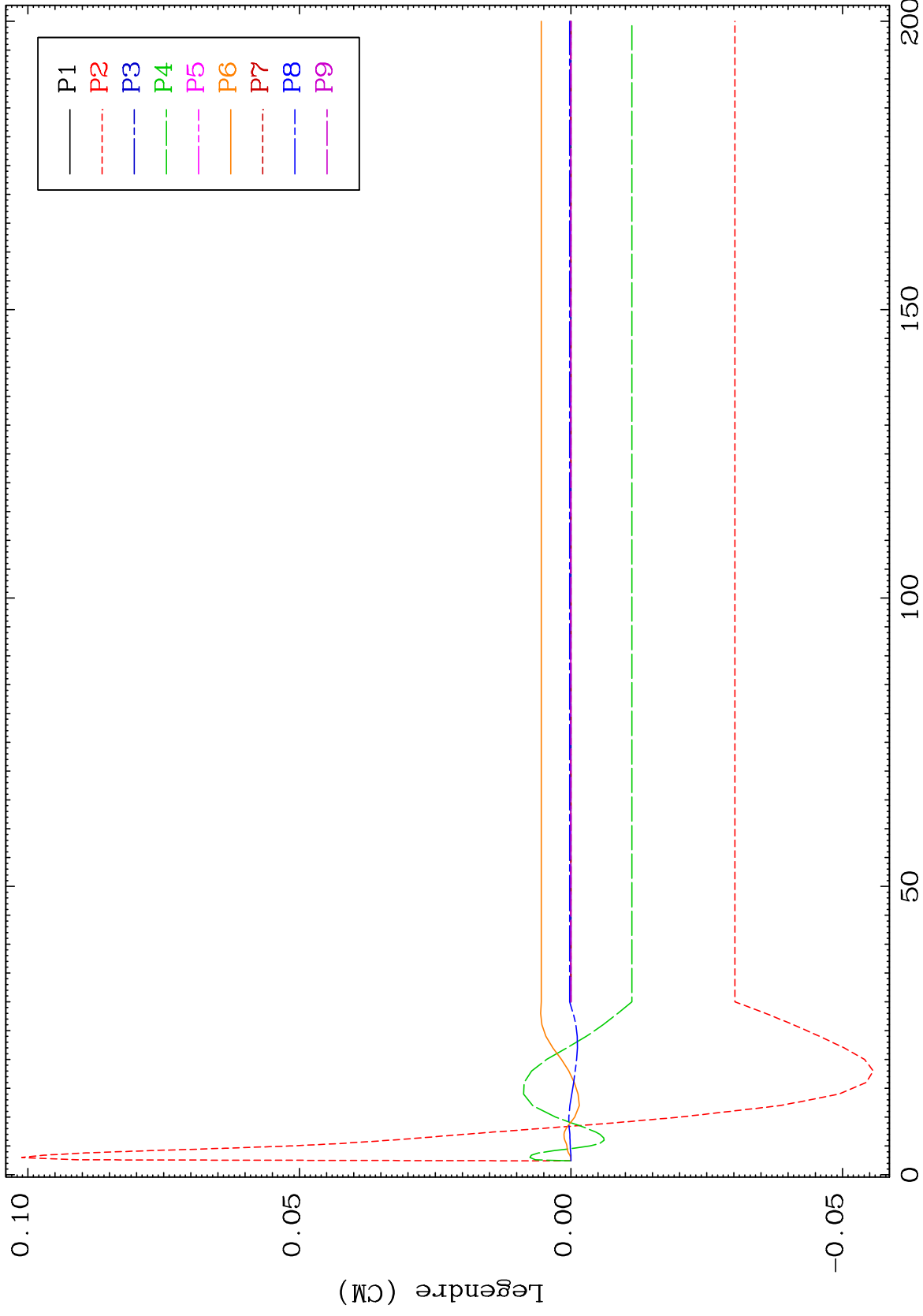
Incident Energy (MeV)

76

MAT 6461

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

64-Gd-164



77

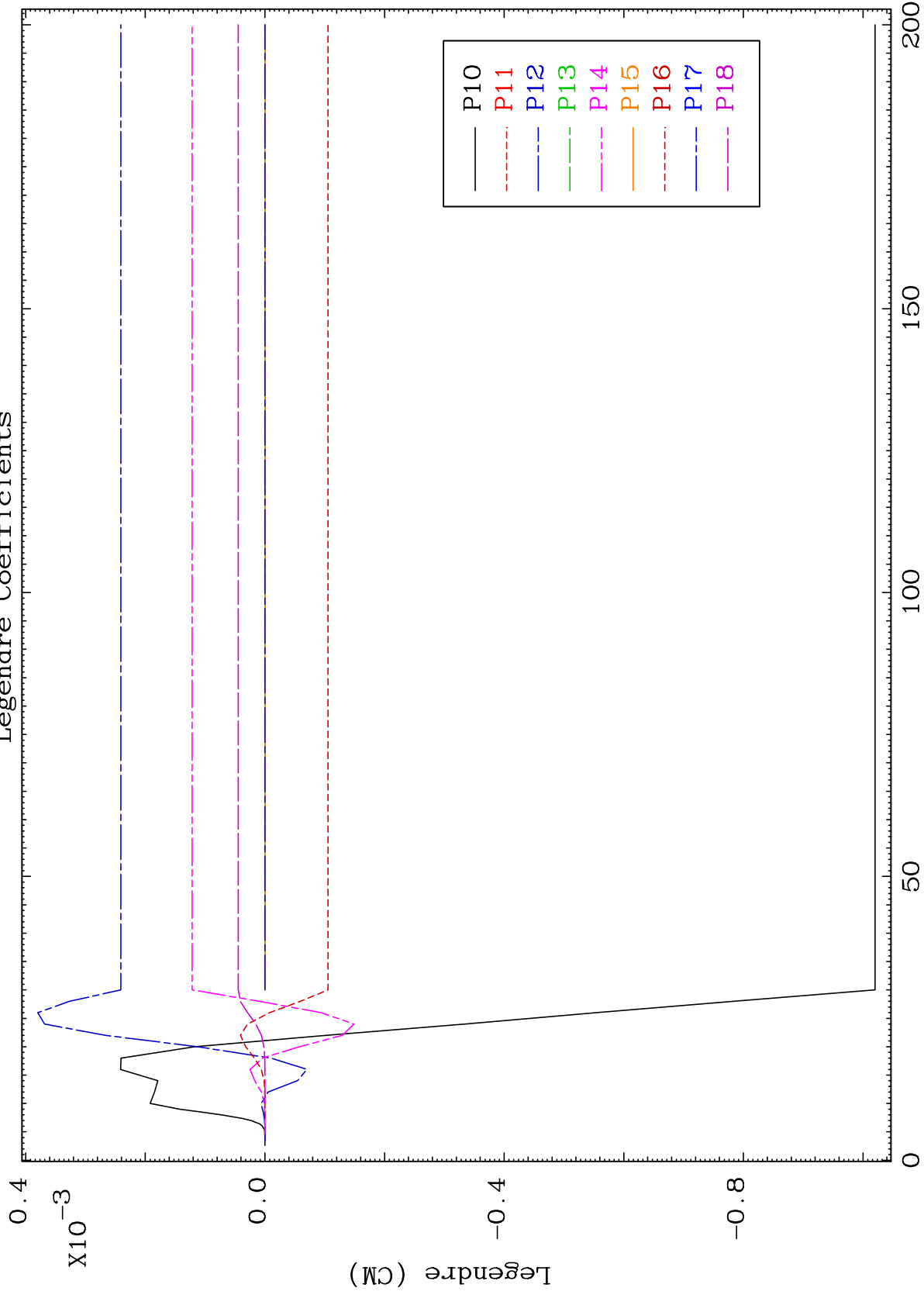
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

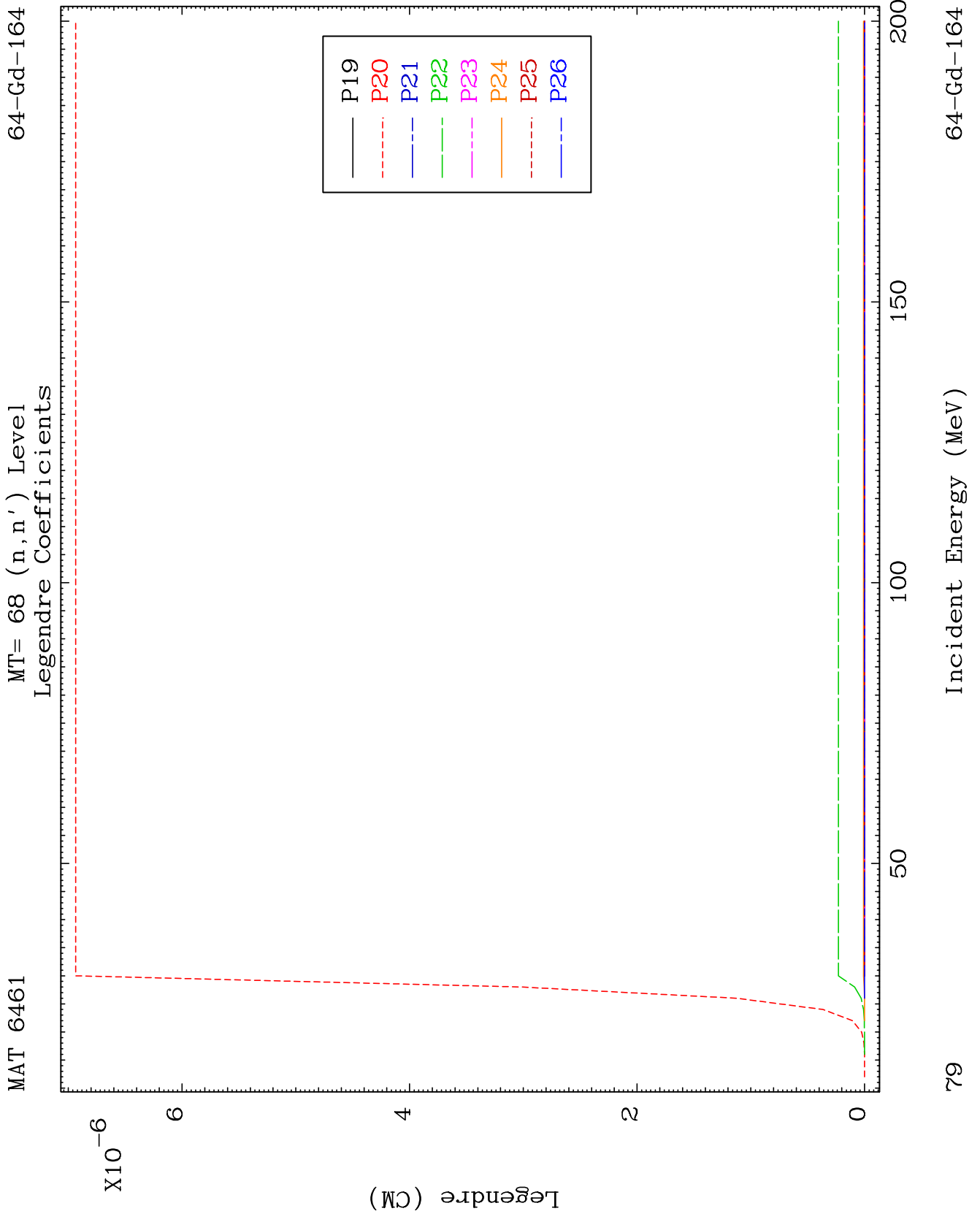
64-Gd-164



78

Incident Energy (MeV)

64-Gd-164

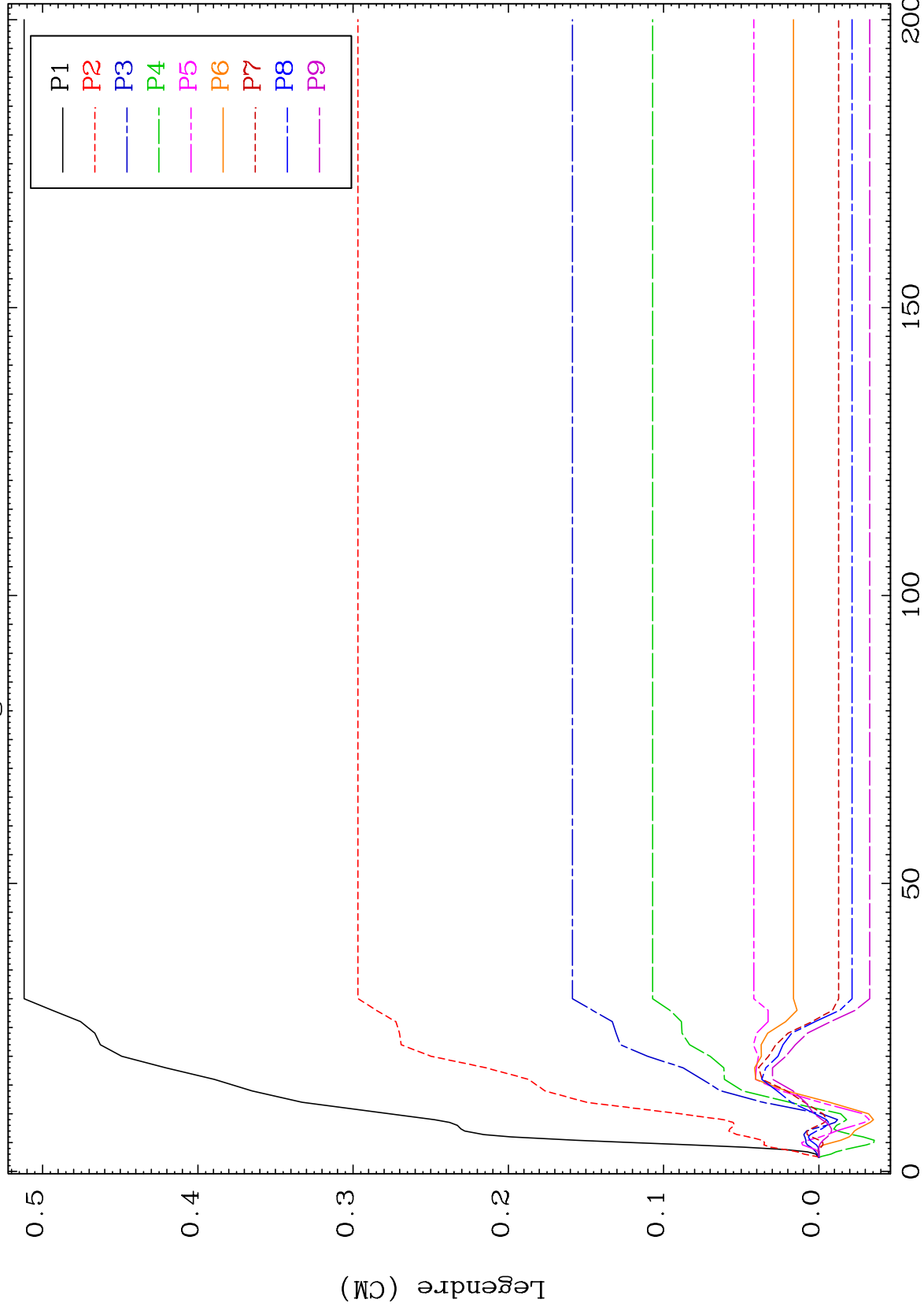




MAT 6461

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

64-Gd-164



64-Gd-164

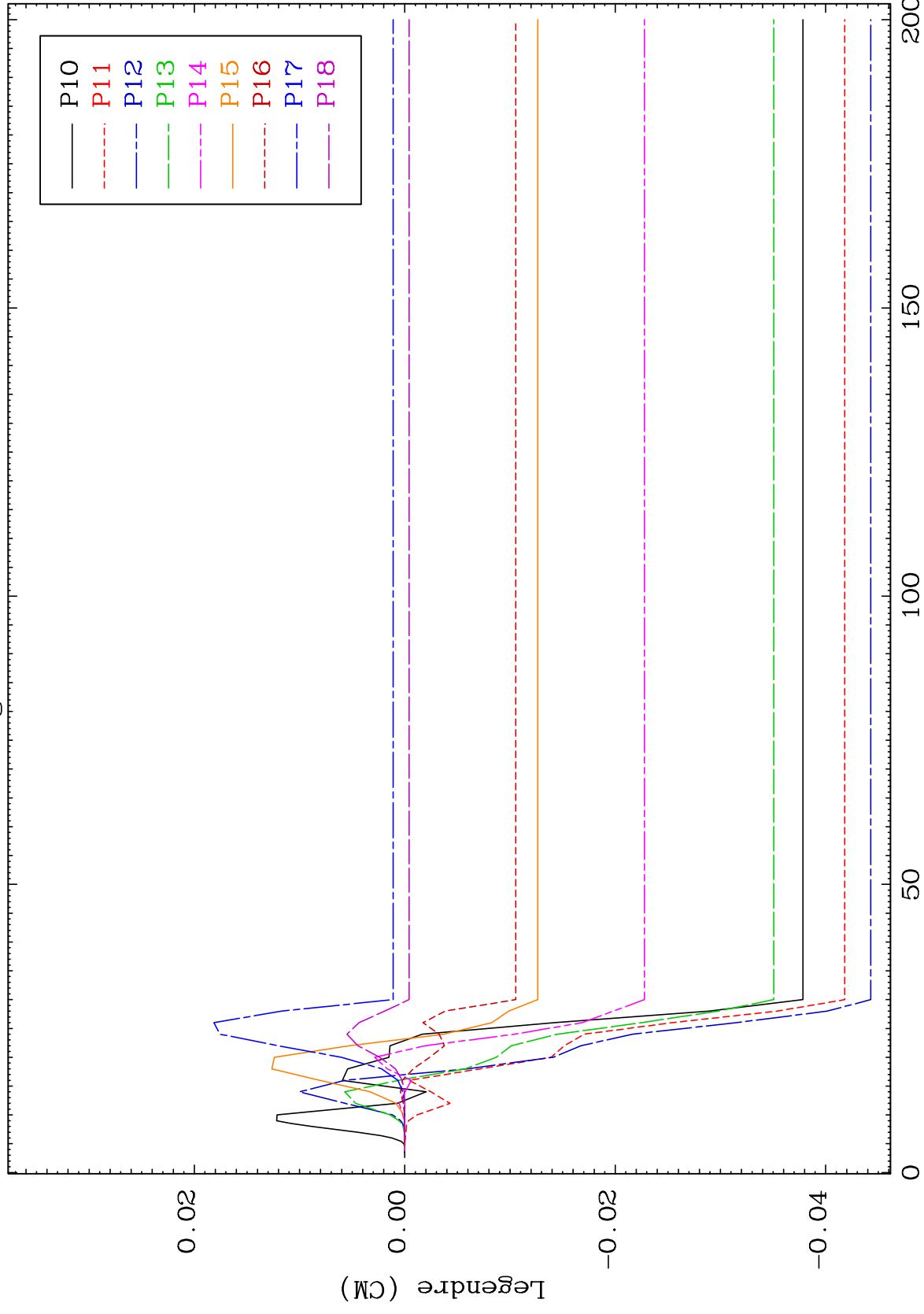
Incident Energy (MeV)

80

MAT 6461

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

64-Gd-164



81

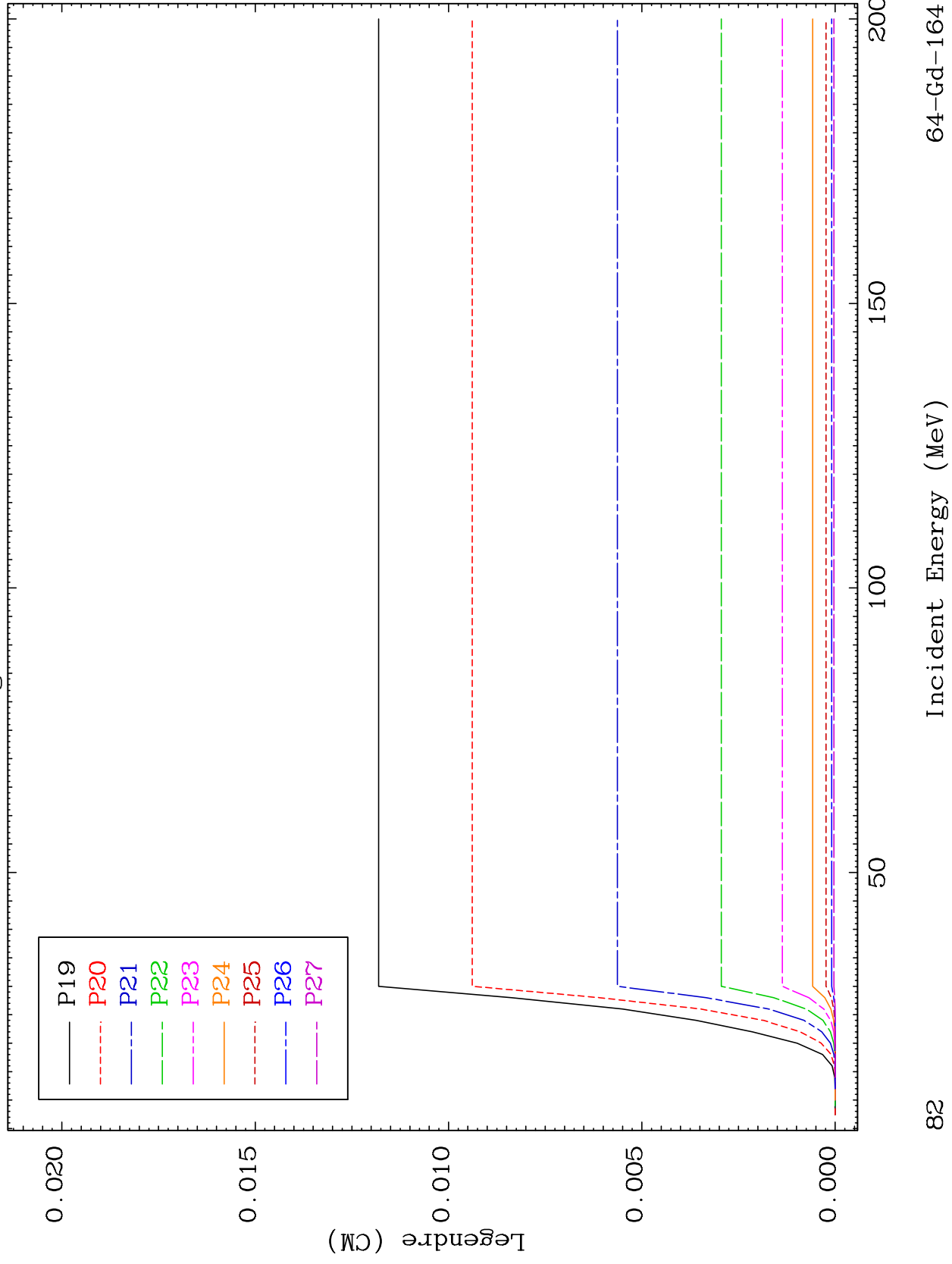
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

64-Gd-164



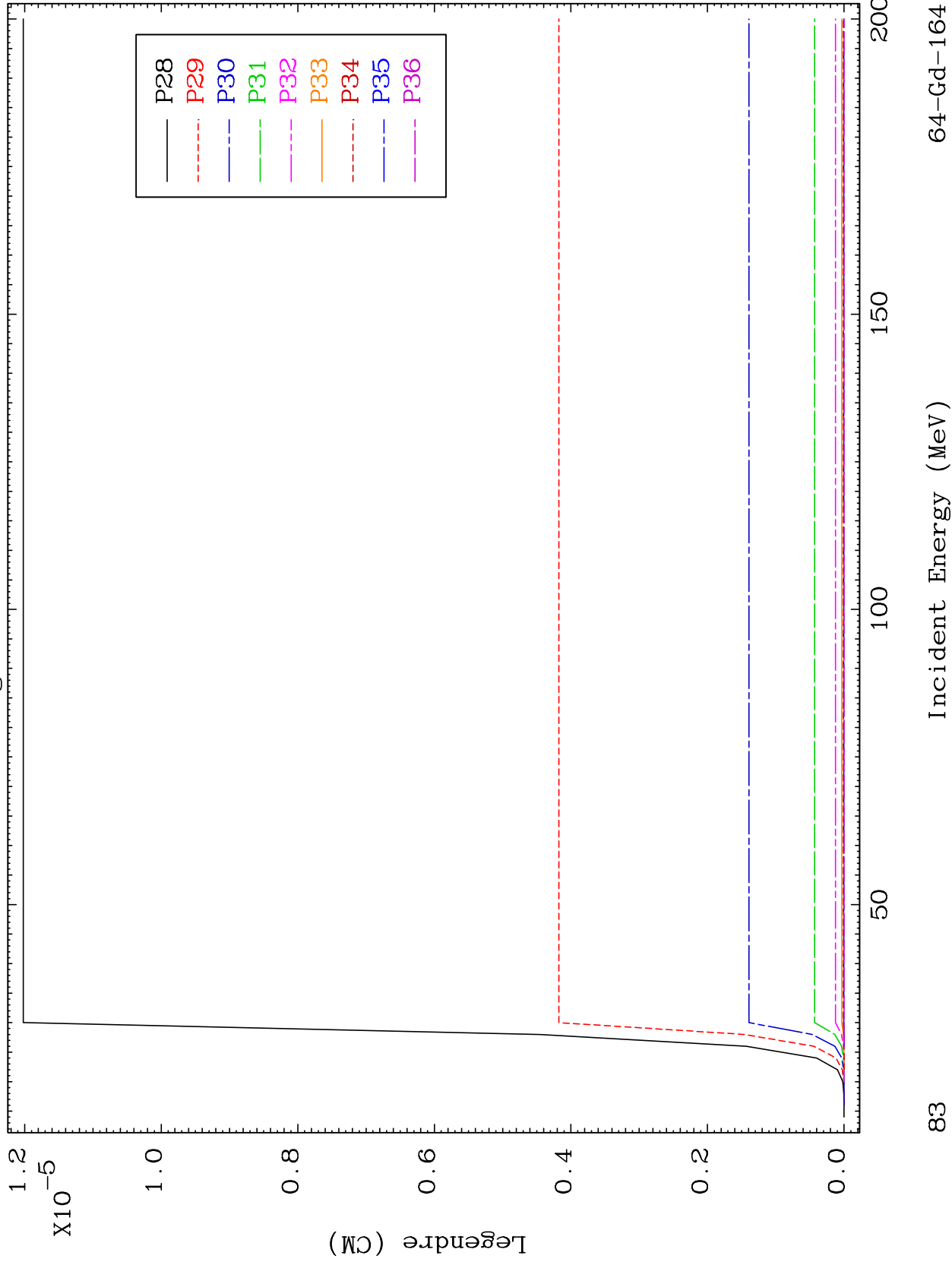
82

64-Gd-164

MAT 6461

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

64-Gd-164



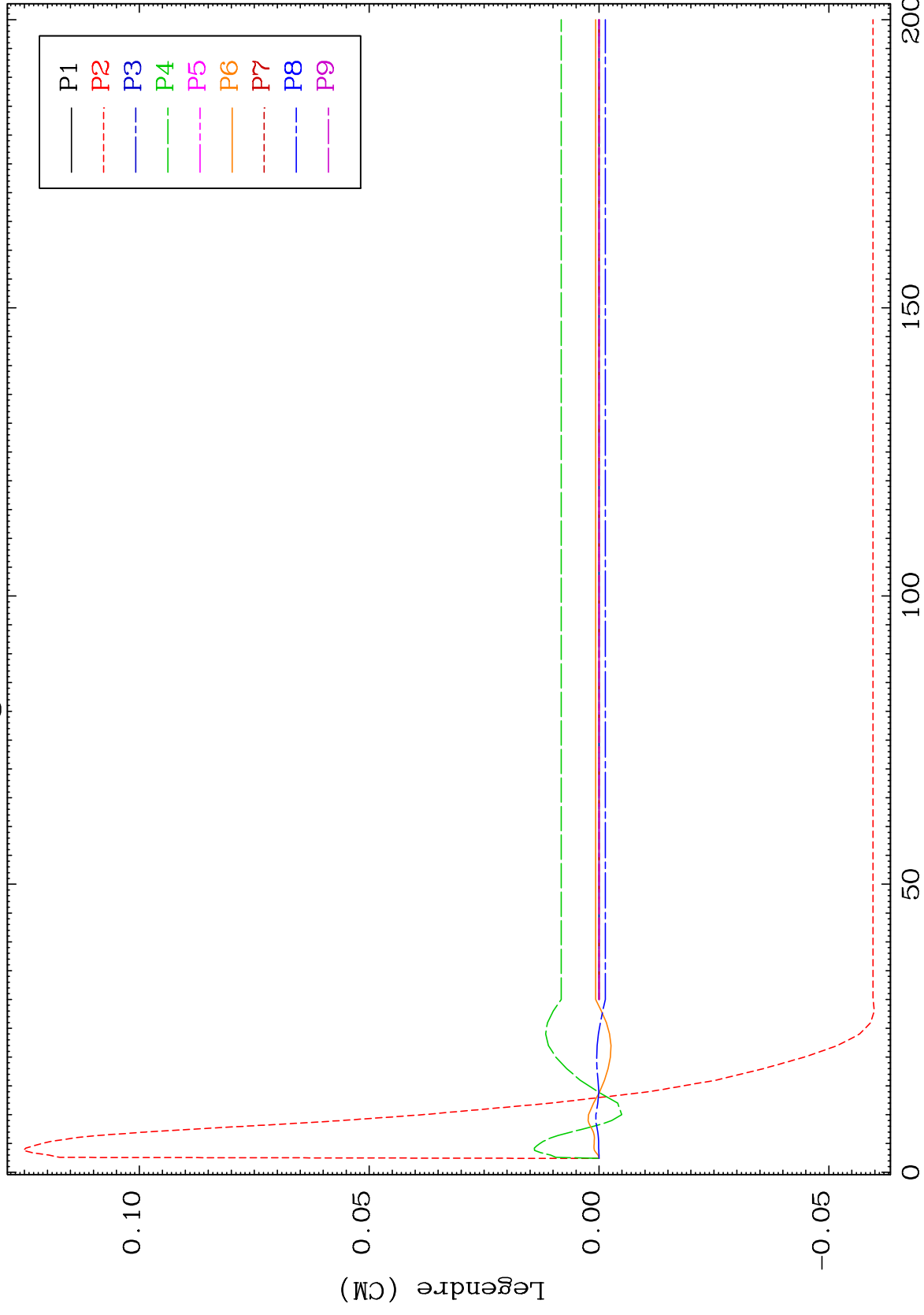
83

64-Gd-164

MAT 6461

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

64-Gd-164



84

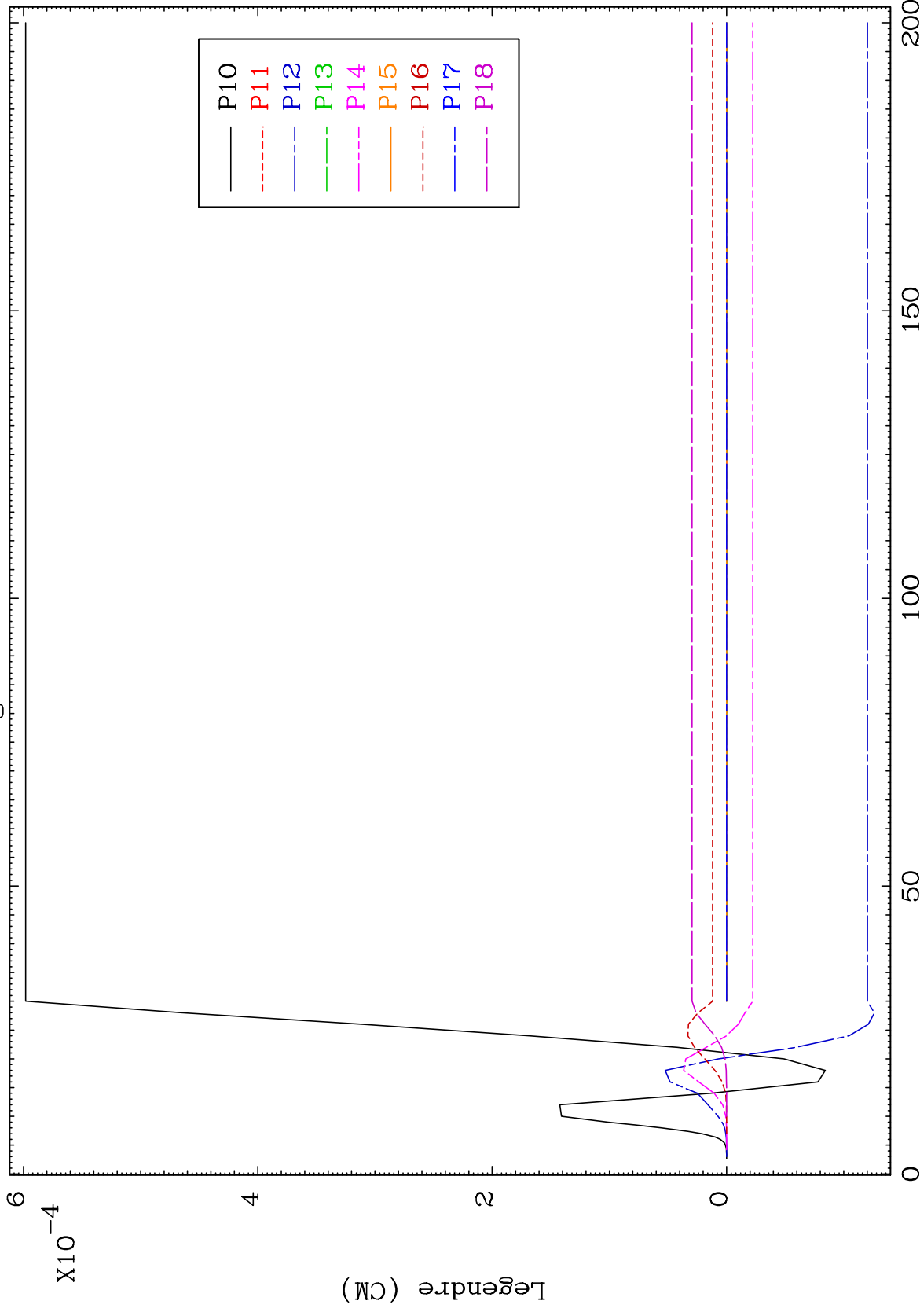
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

64-Gd-164

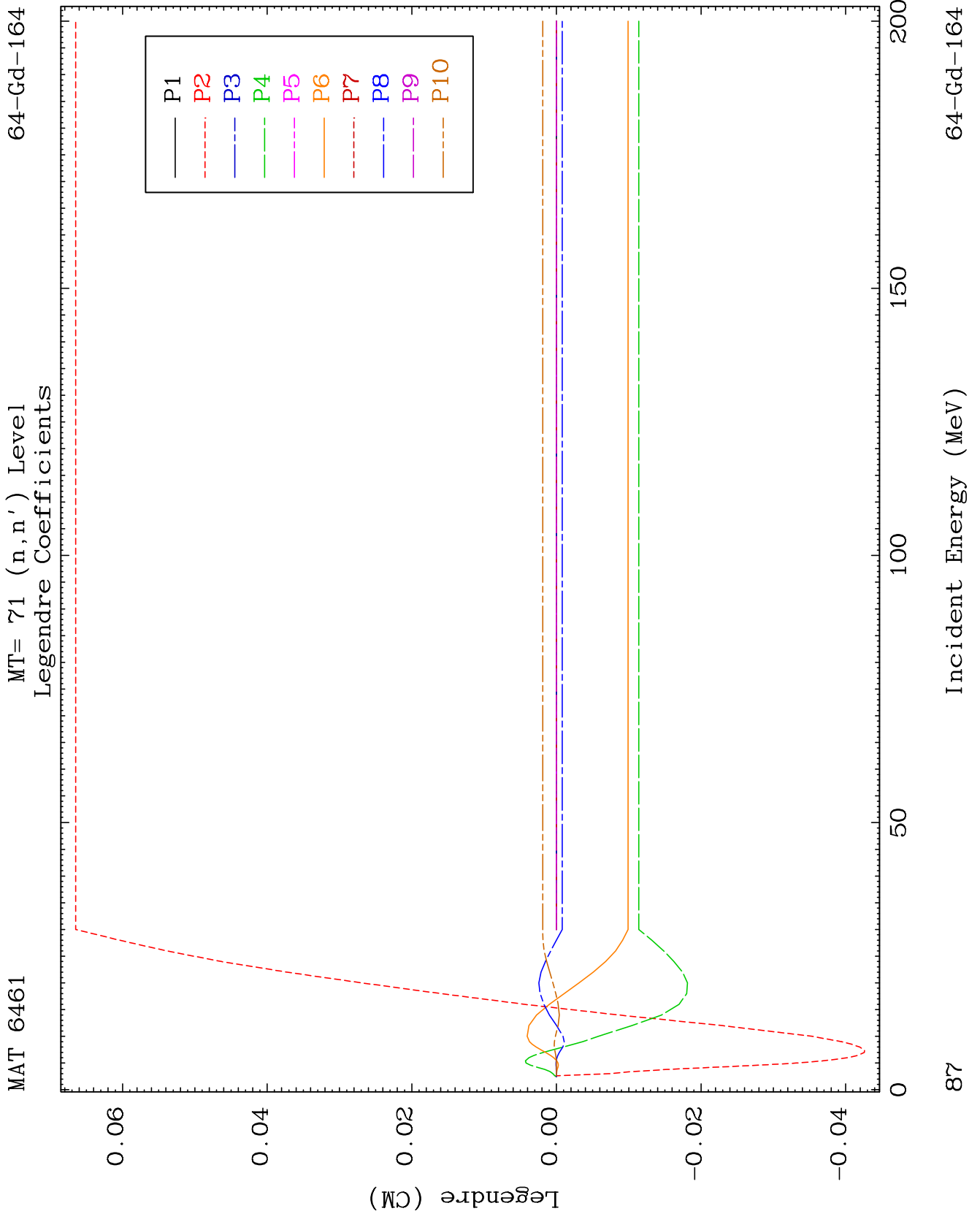


85

Incident Energy (MeV)

64-Gd-164



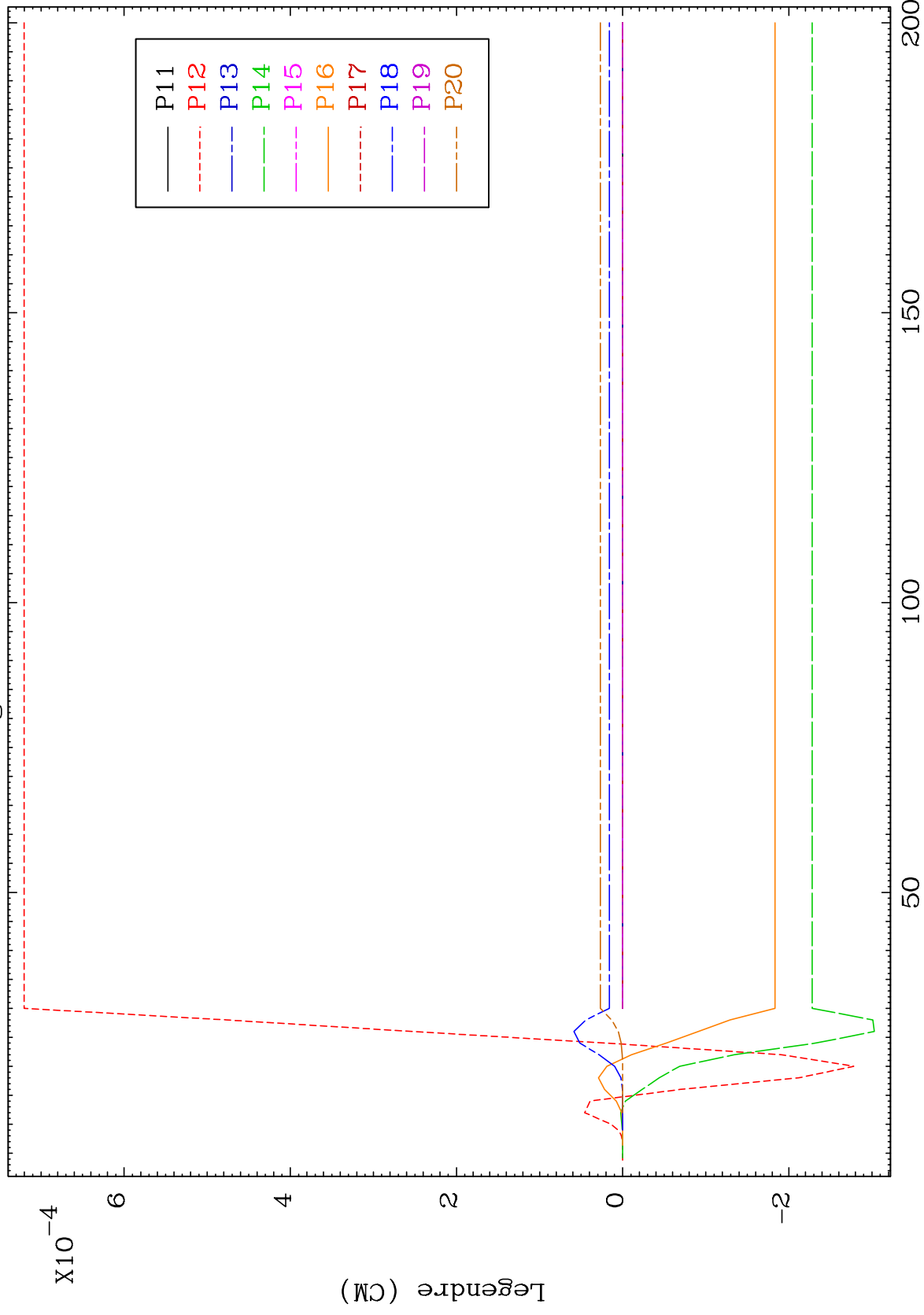




MAT 6461

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

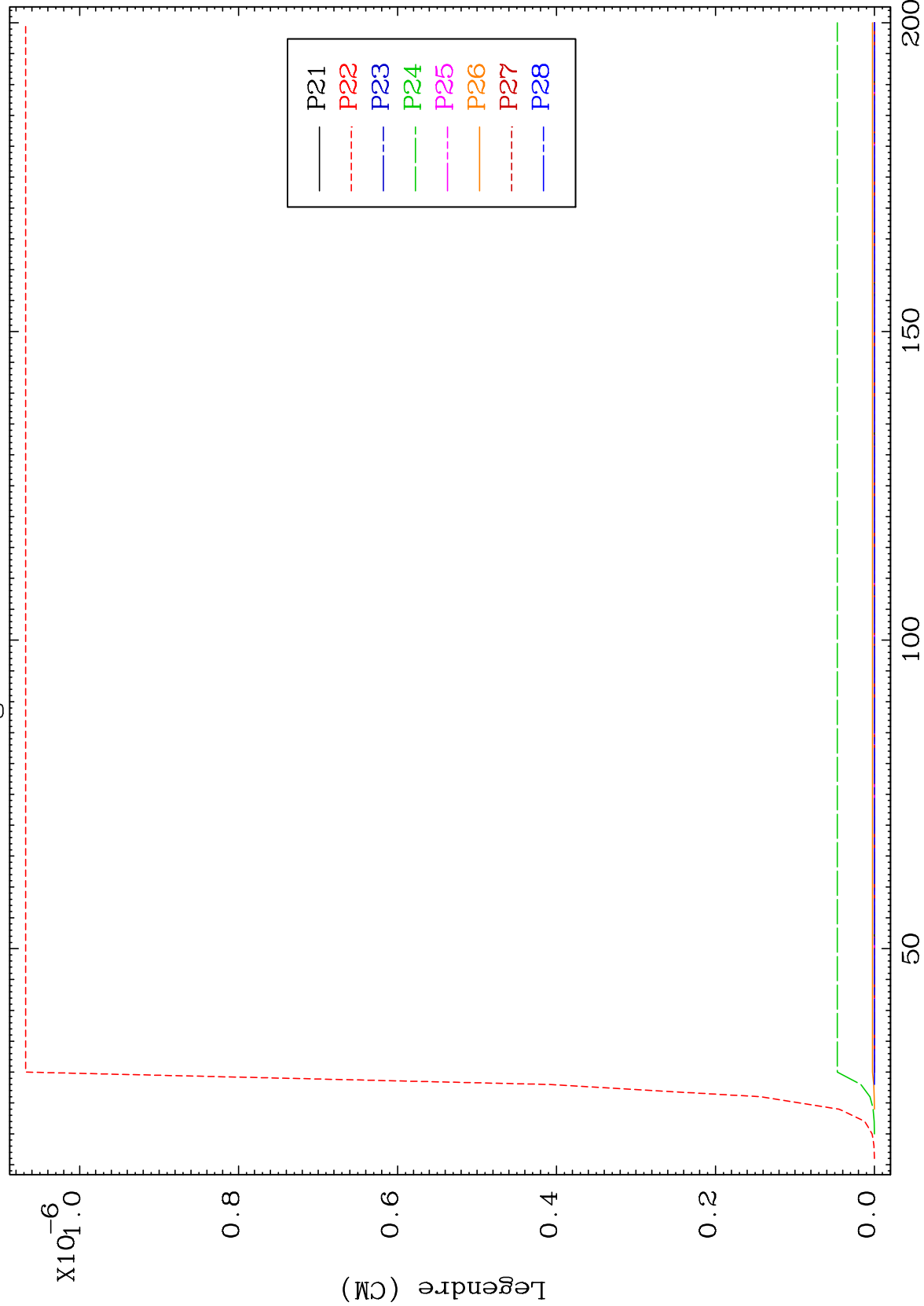
64-Gd-164



MAT 6461

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

64-Gd-164



64-Gd-164

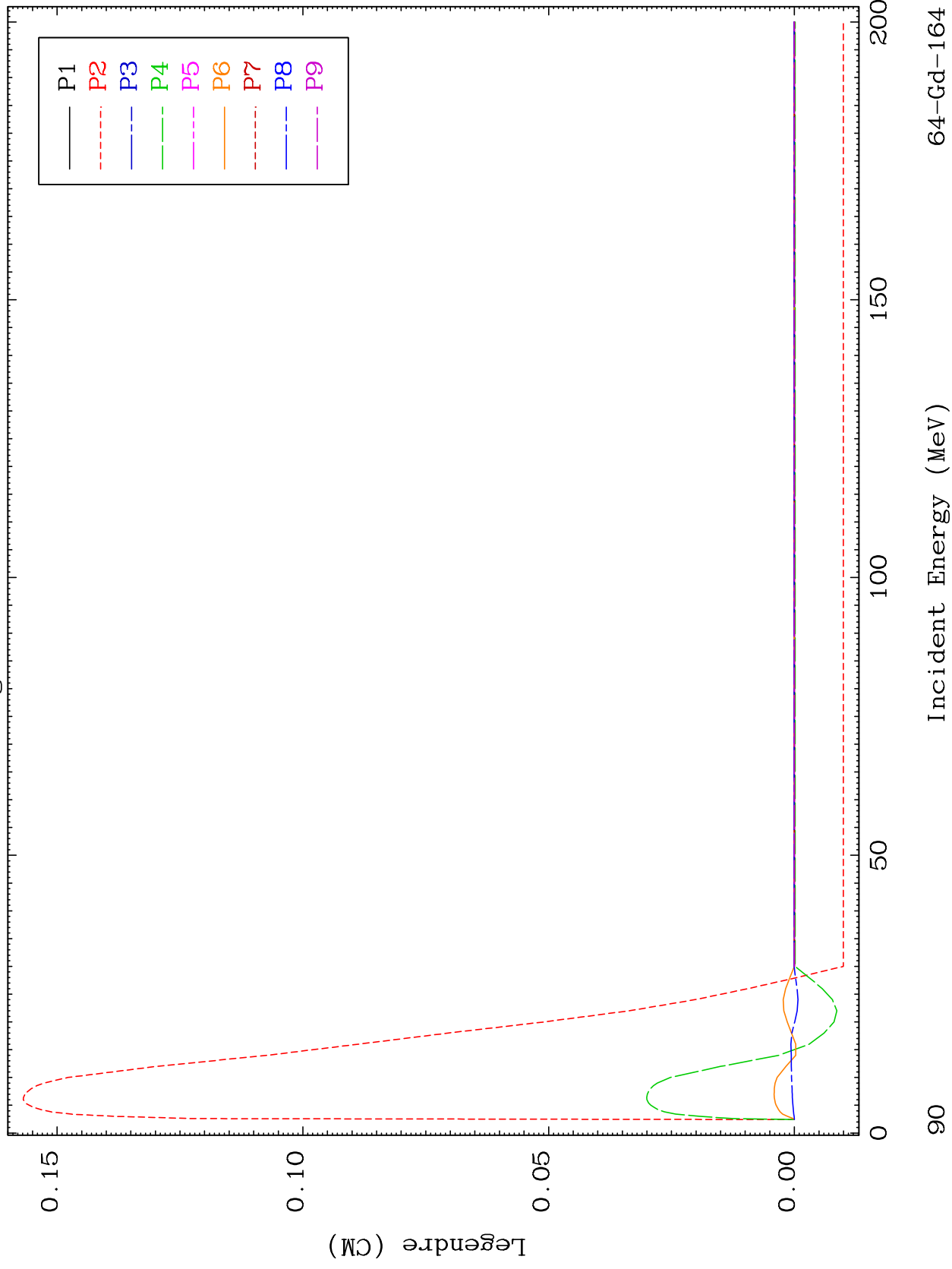
Incident Energy (MeV)

89

MAT 6461

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

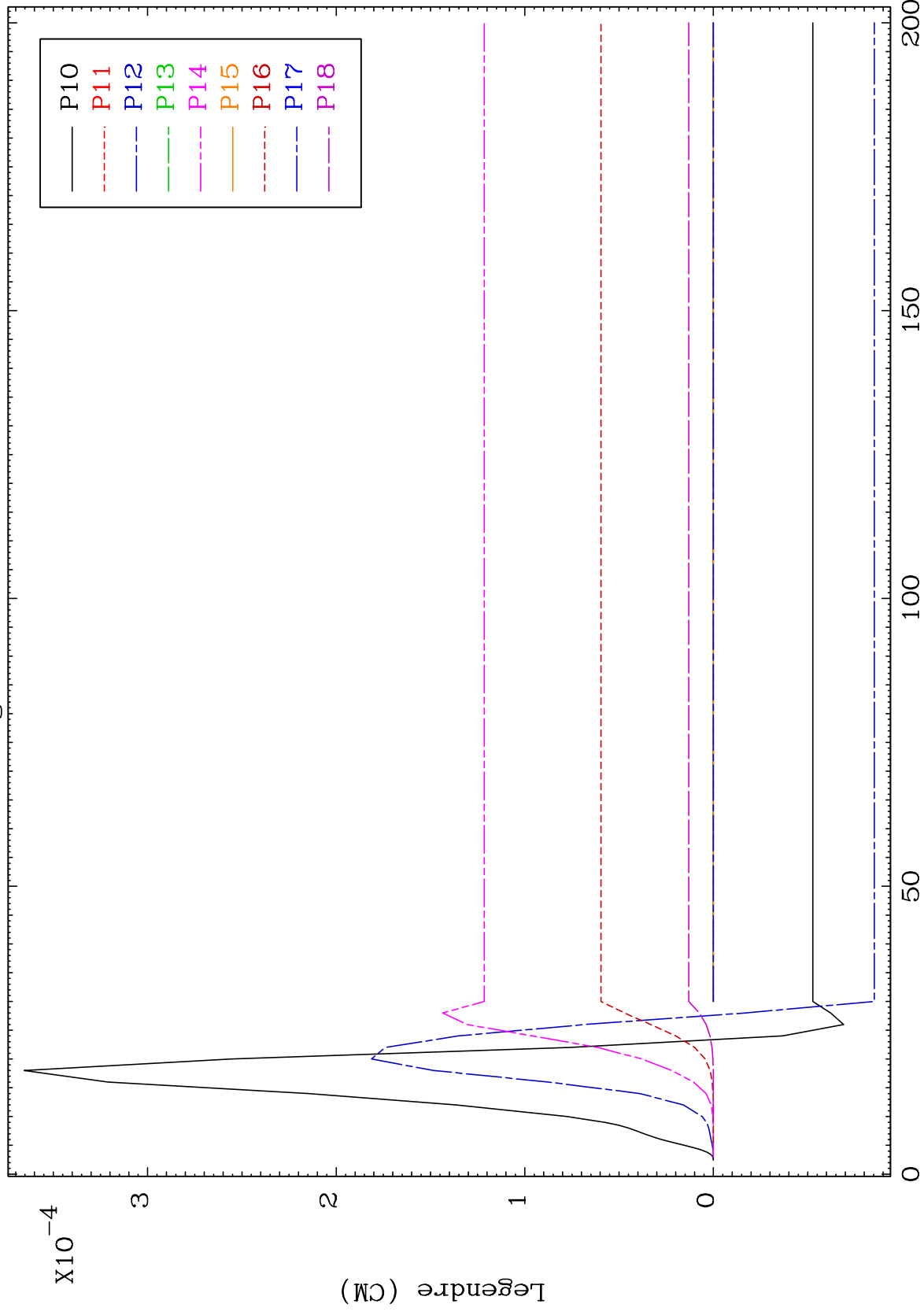
64-Gd-164



MAT 6461

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

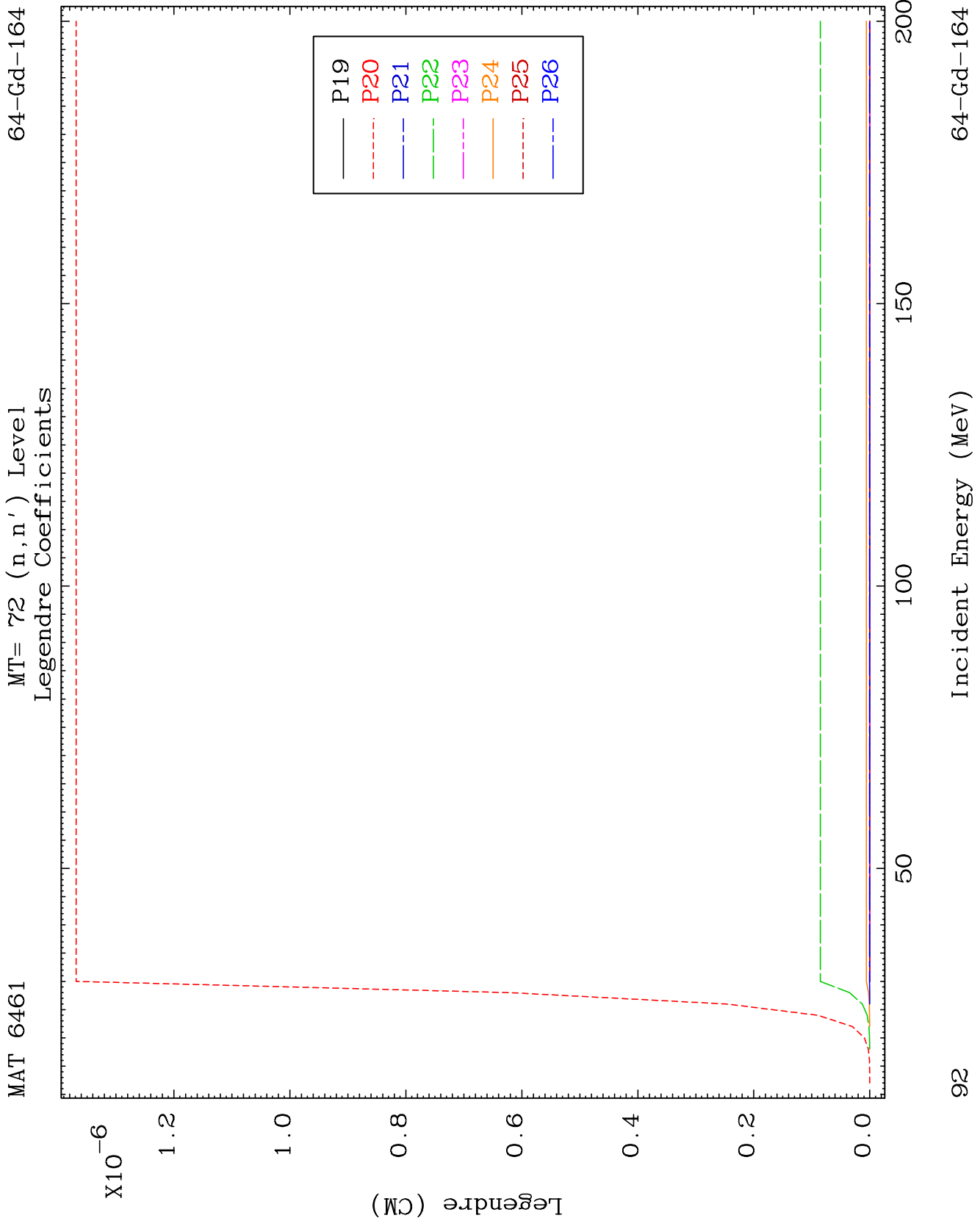
64-Gd-164



91

Incident Energy (MeV)

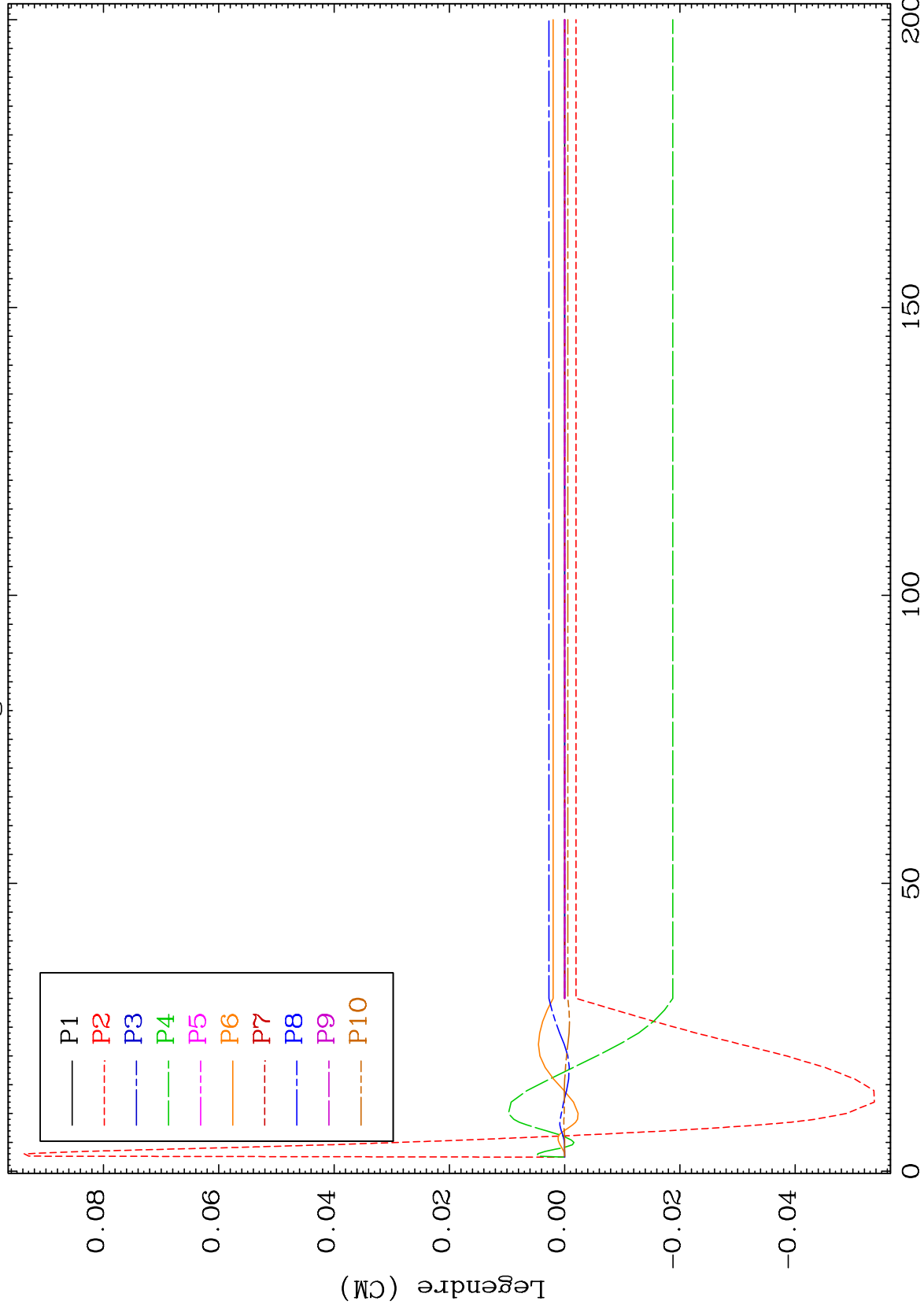
64-Gd-164



MAT 6461

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

64-Gd-164



93

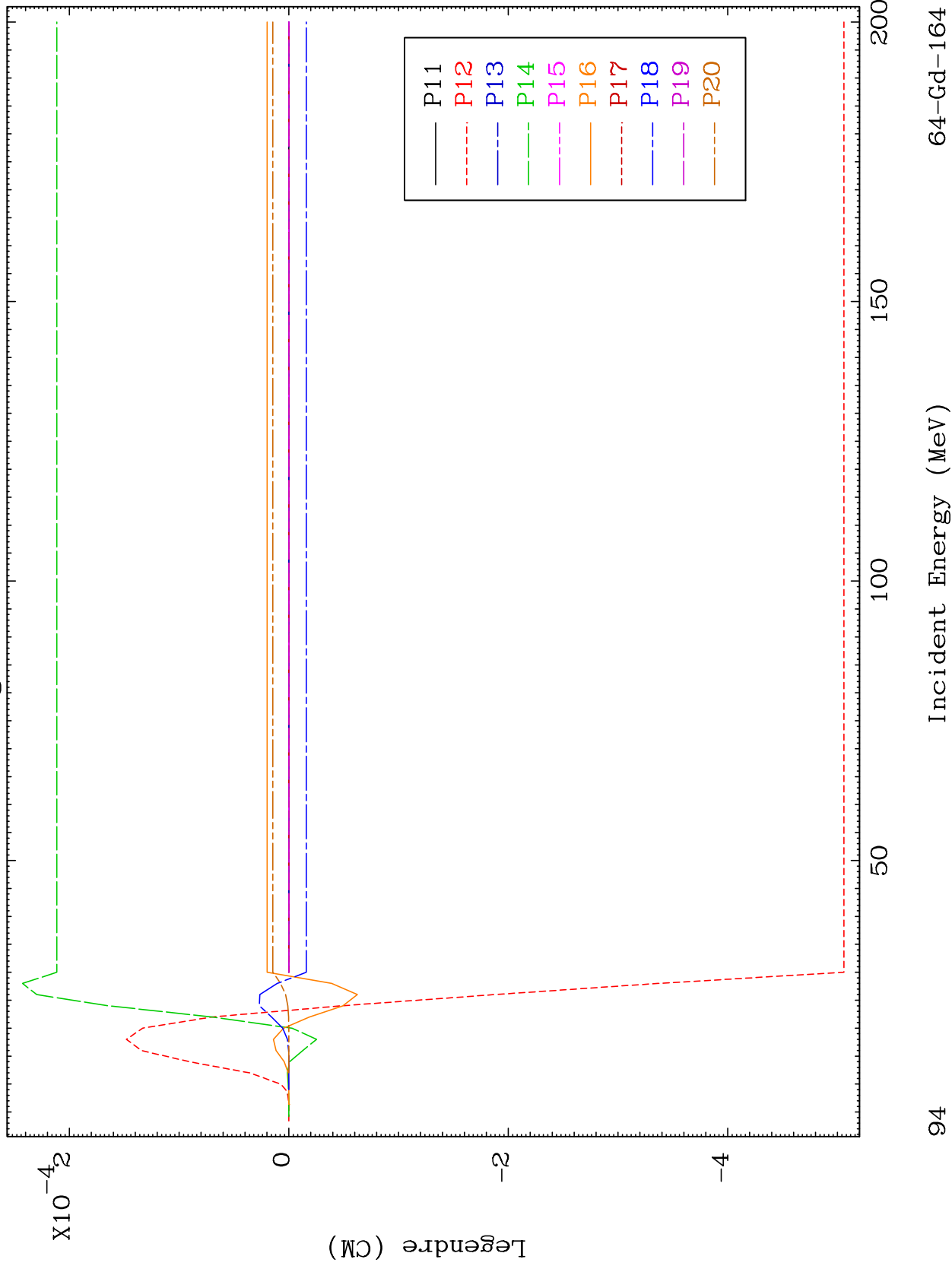
Incident Energy (MeV)

64-Gd-164

MAT 6461

64-Gd-164

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



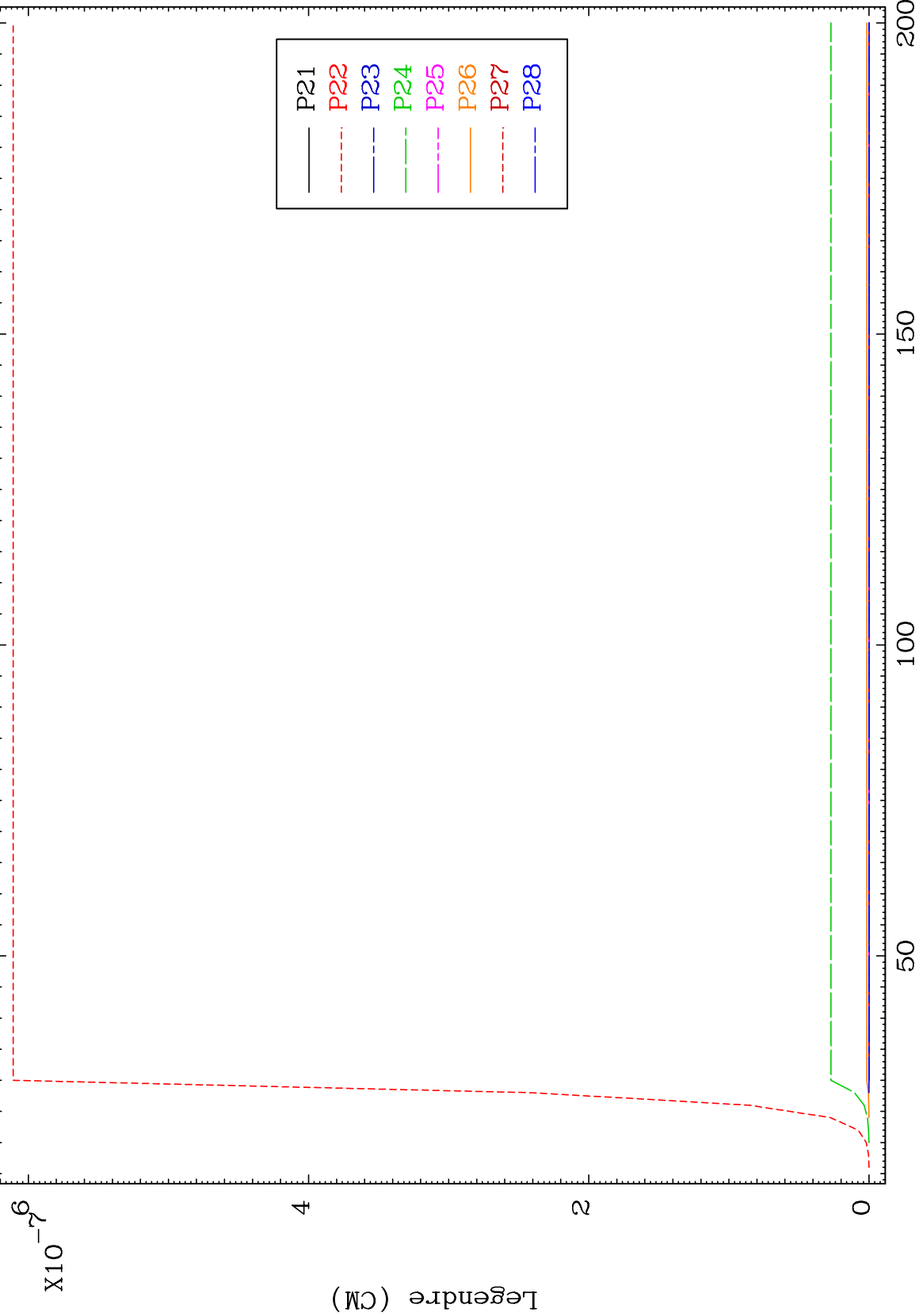
94

64-Gd-164

MAT 6461

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

64-Gd-164



64-Gd-164

Incident Energy (MeV)

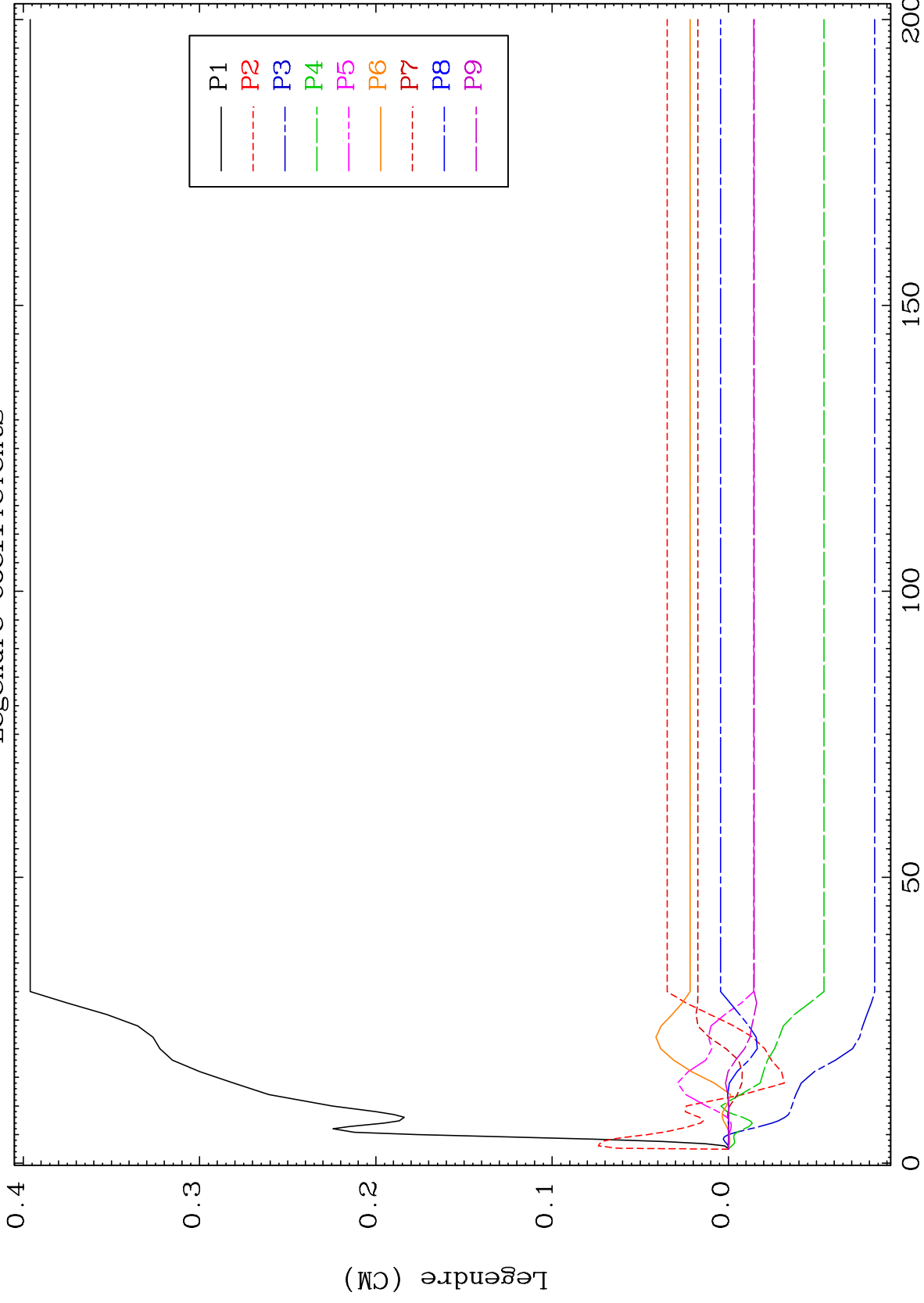
95



MAT 6461

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

64-Gd-164



96

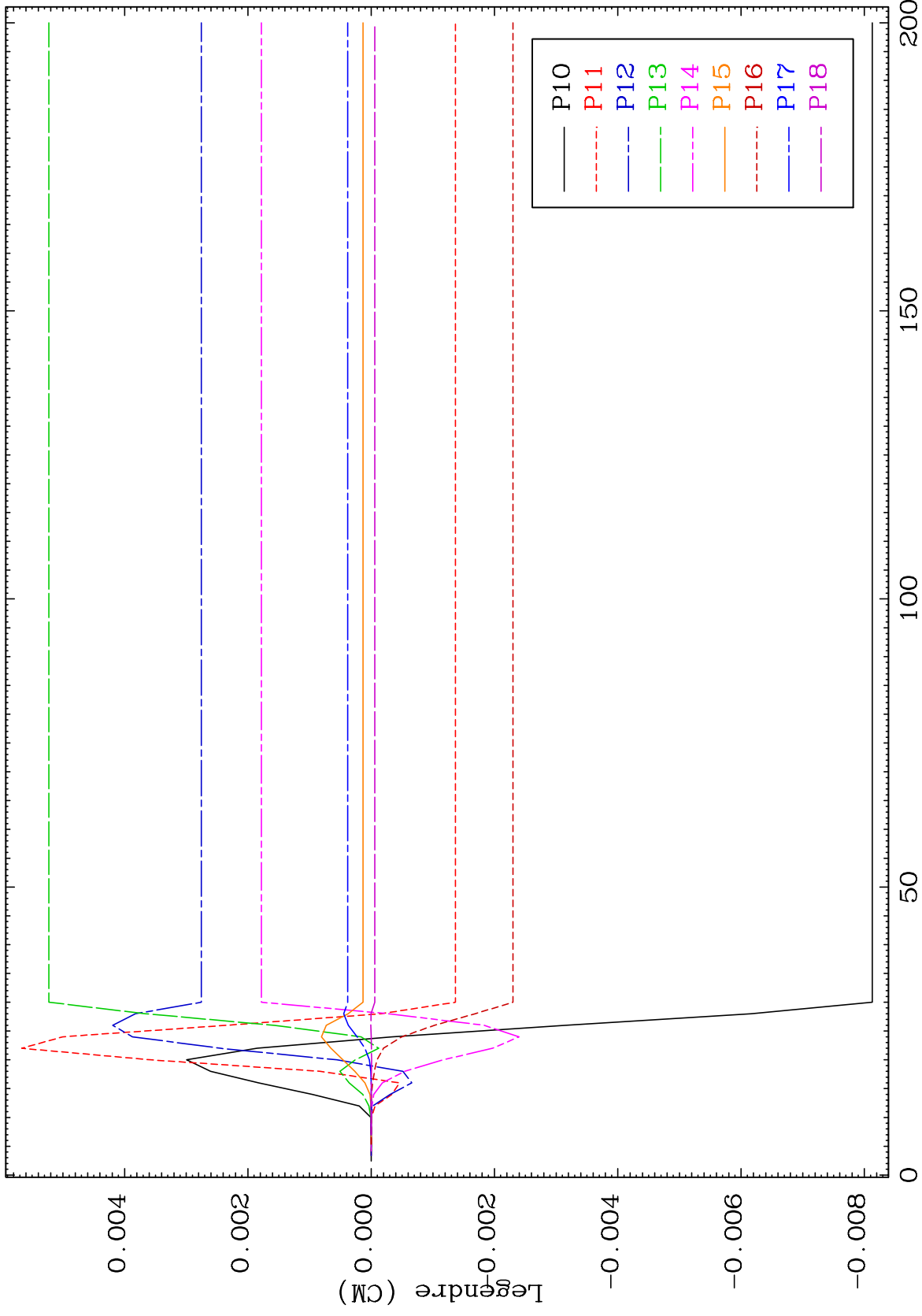
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

64-Gd-164



97

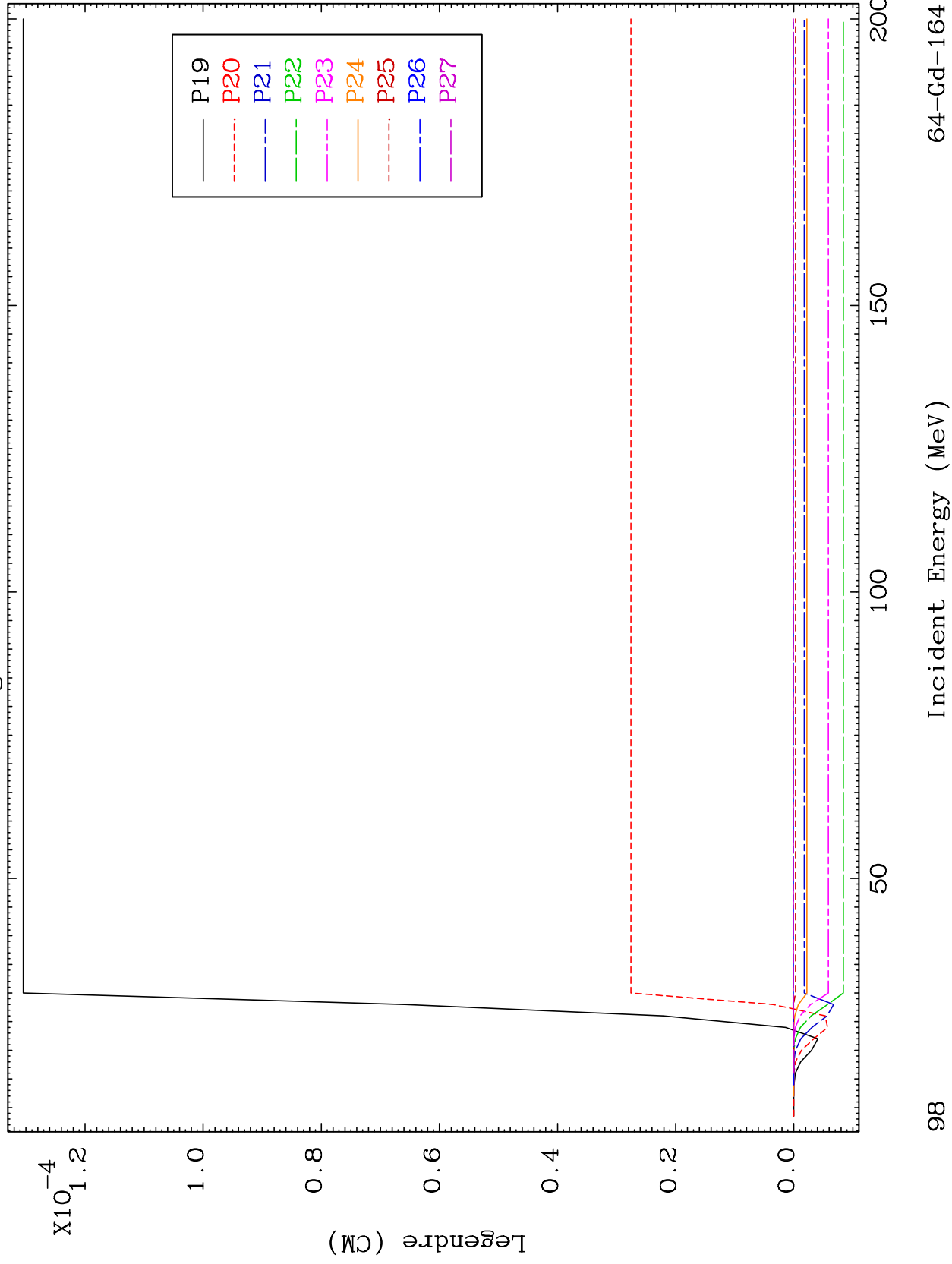
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

64-Gd-164



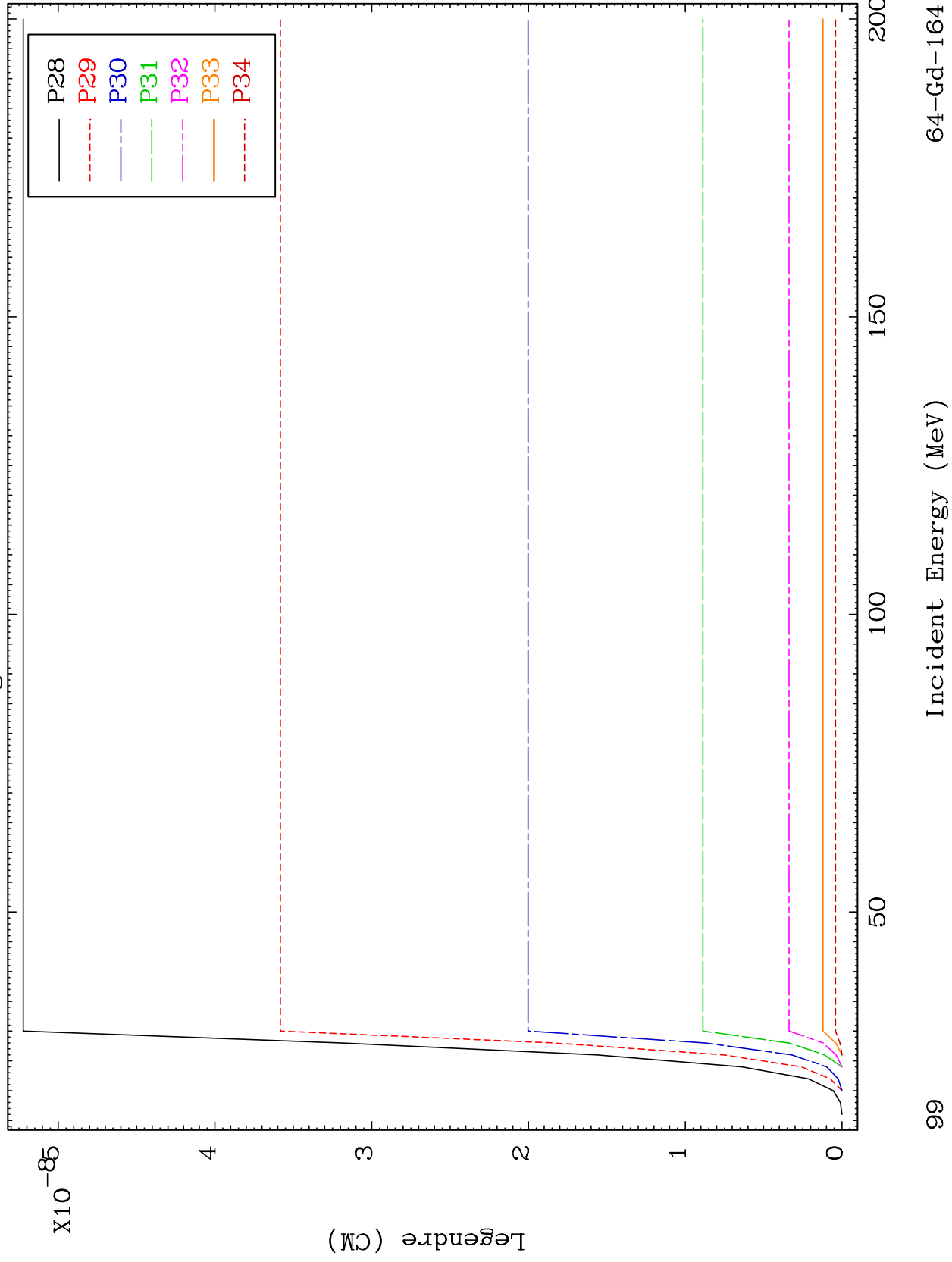
98

64-Gd-164

MAT 6461

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

64-Gd-164



99

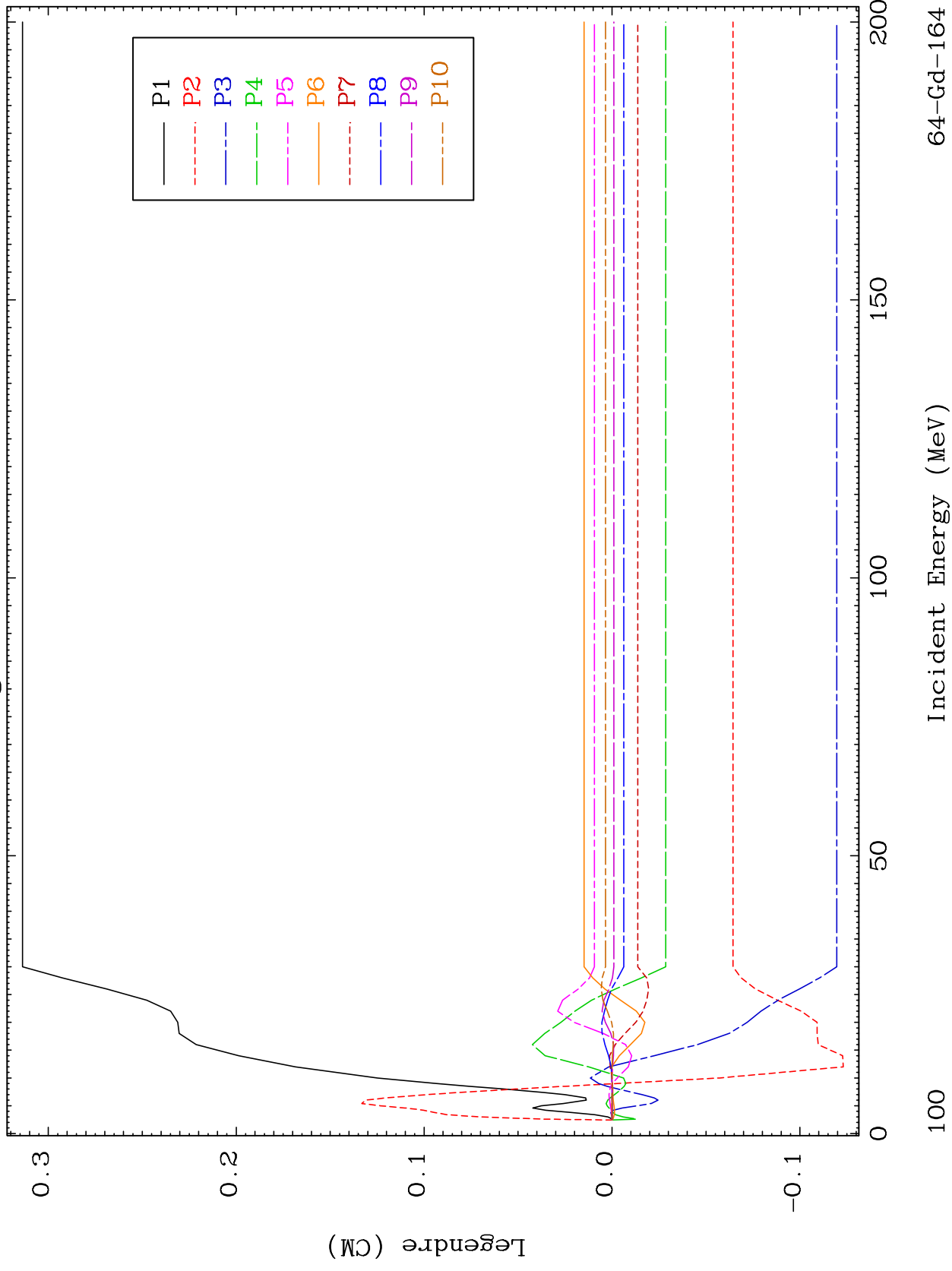
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

64-Gd-164



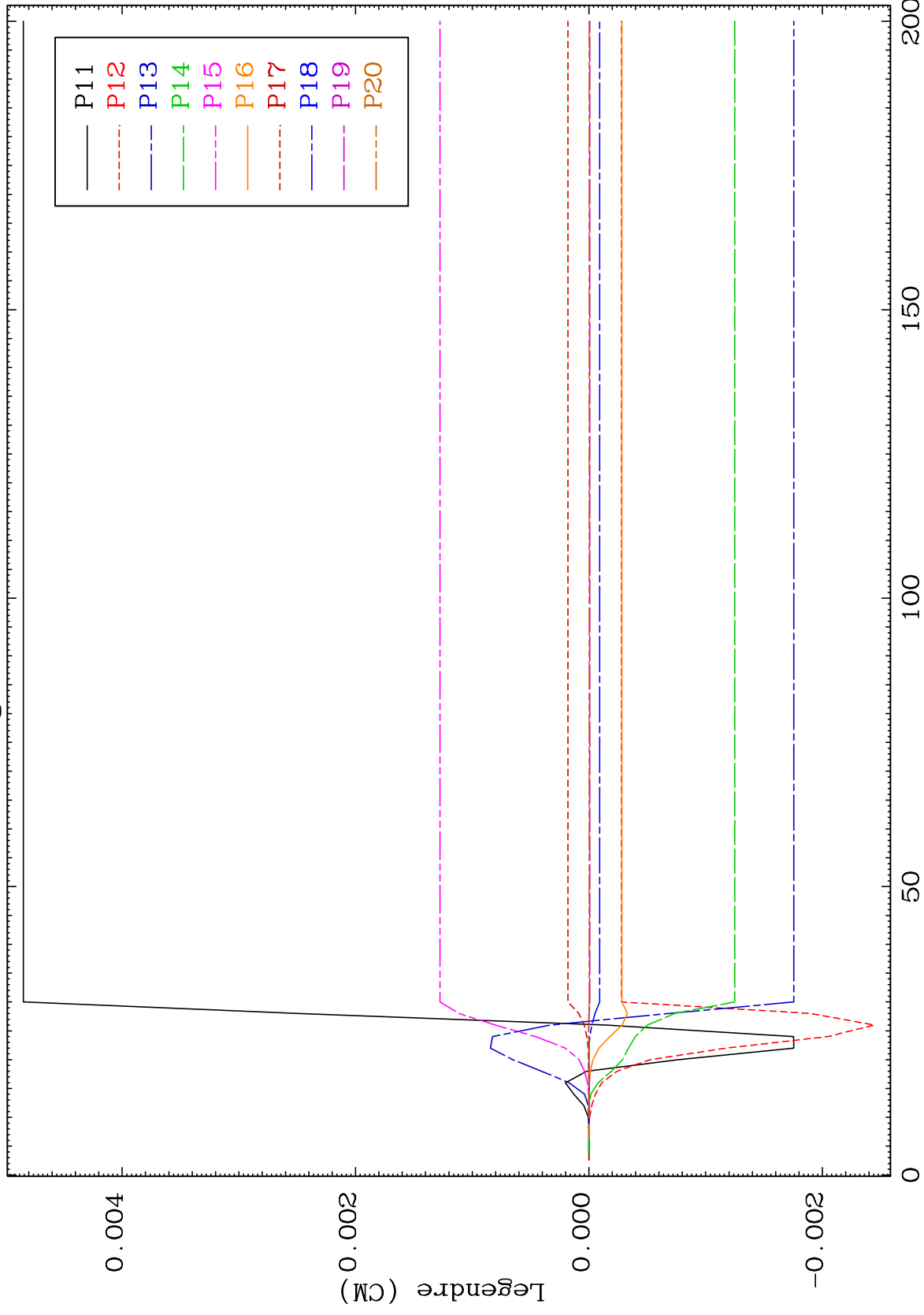
64-Gd-164

Incident Energy (MeV)

MAT 6461

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

64-Gd-164



101

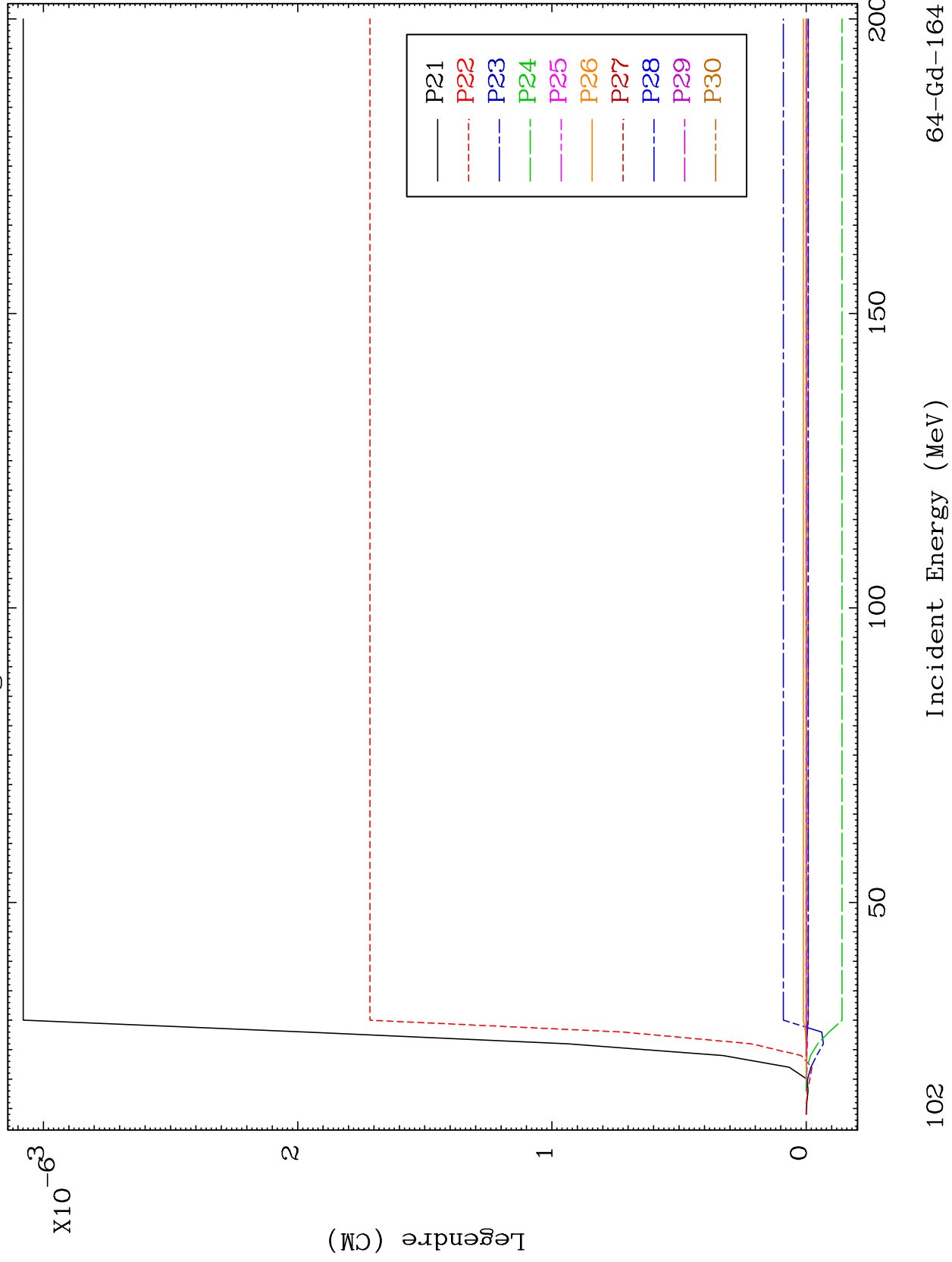
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

64-Gd-164



102

Incident Energy (MeV)

64-Gd-164

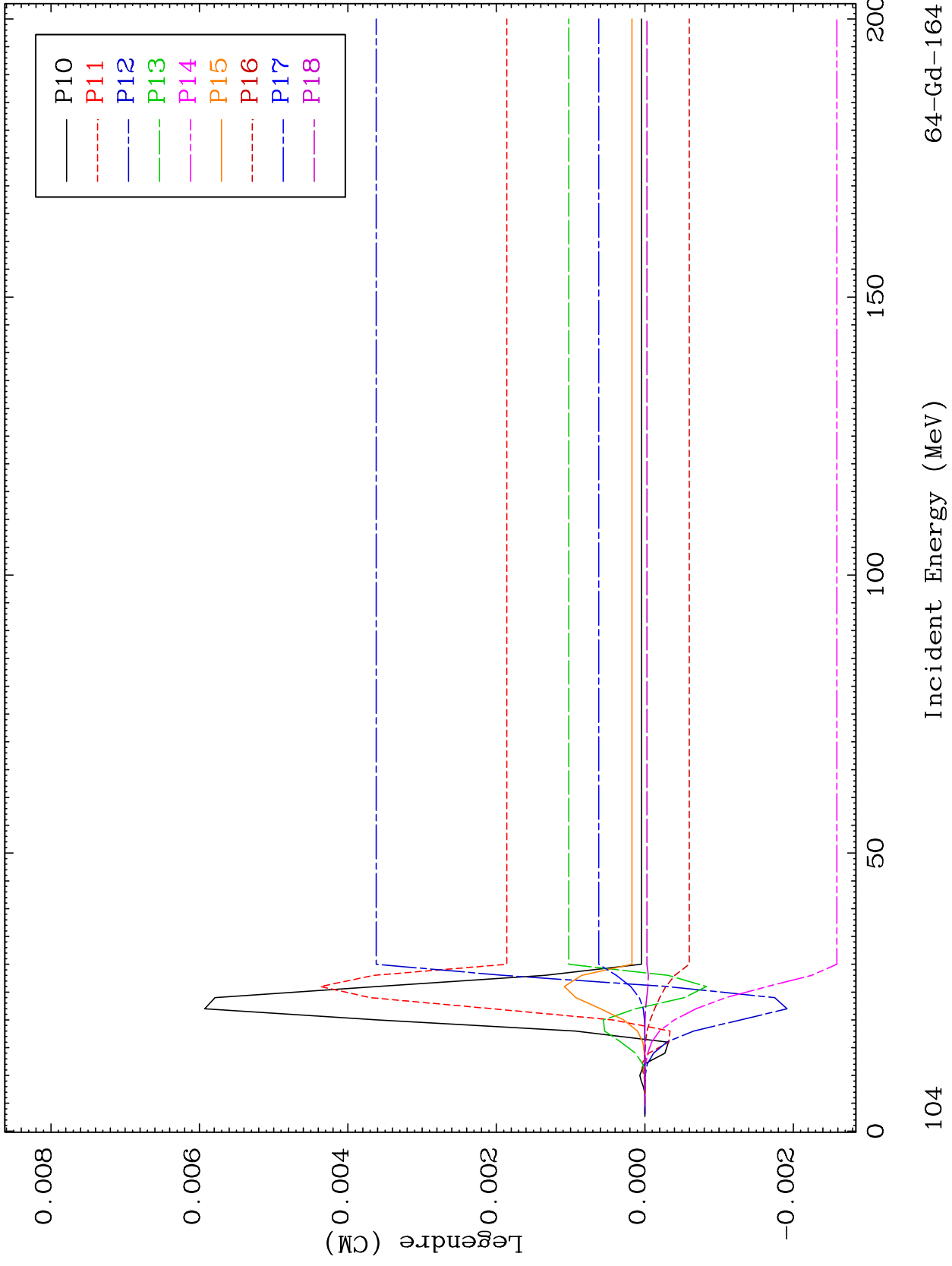




MAT 6461

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

64-Gd-164



104

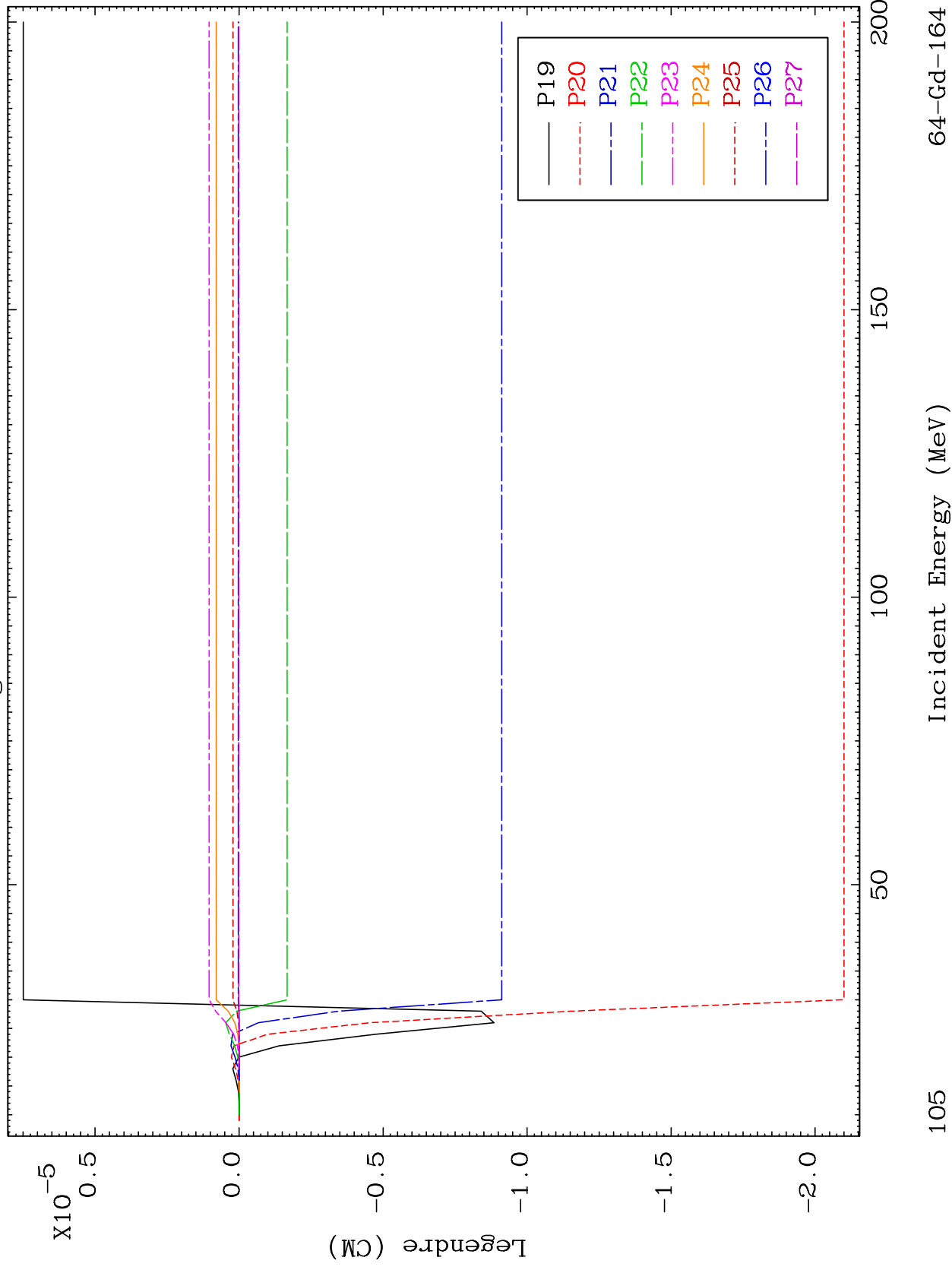
Incident Energy (MeV)

64-Gd-164

MAT 6461

64-Gd-164

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



105

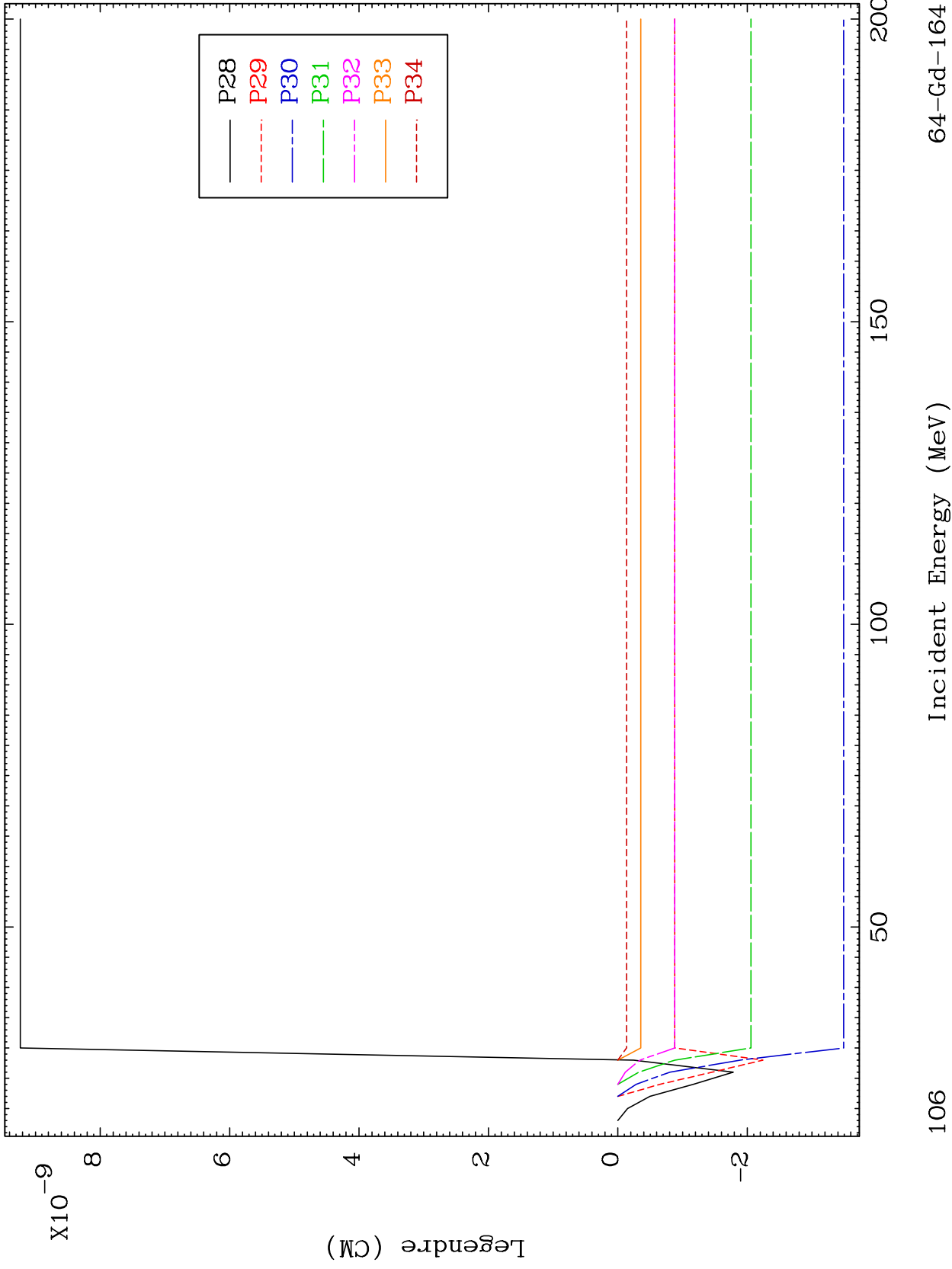
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

64-Gd-164



106

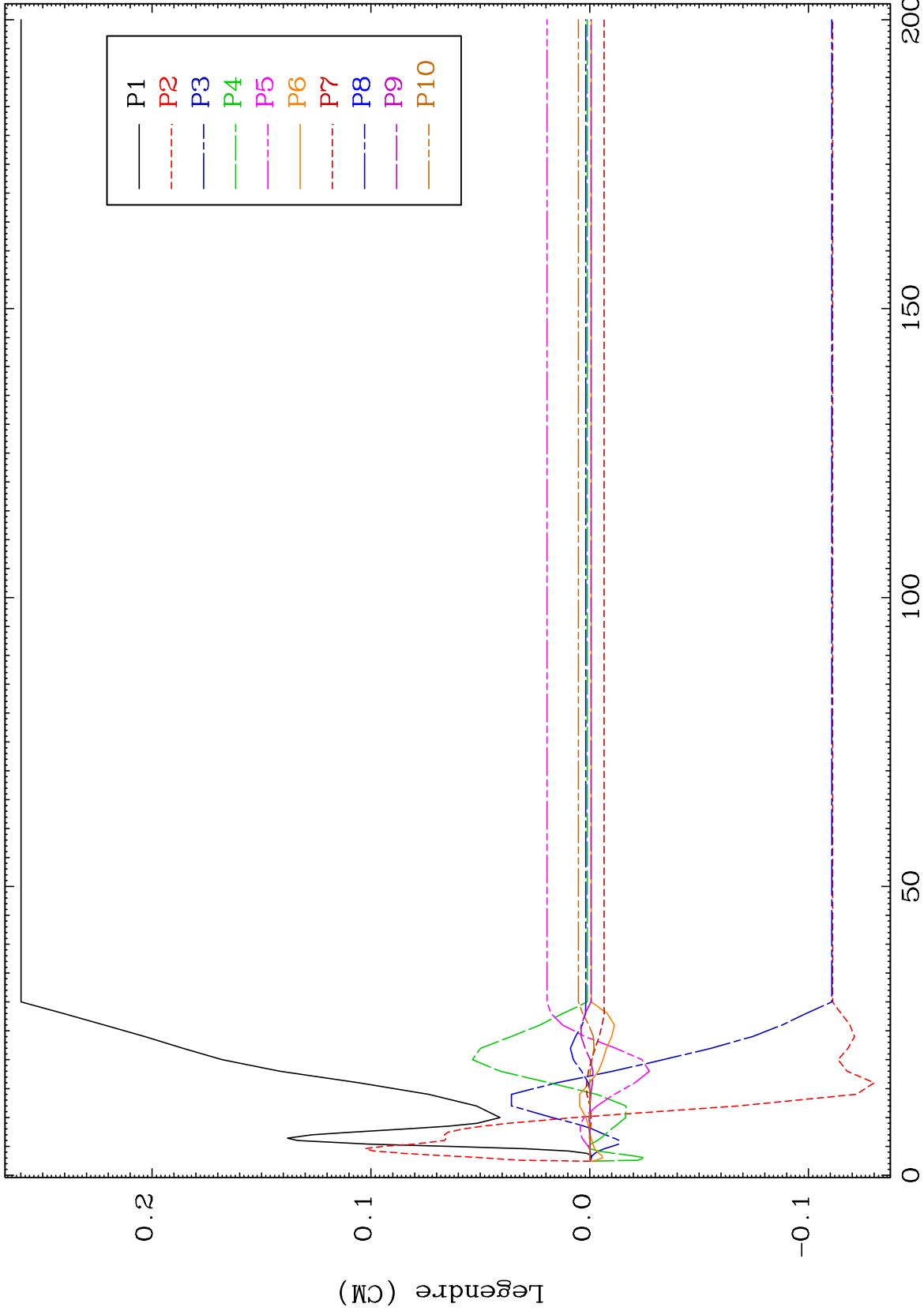
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

64-Gd-164



107

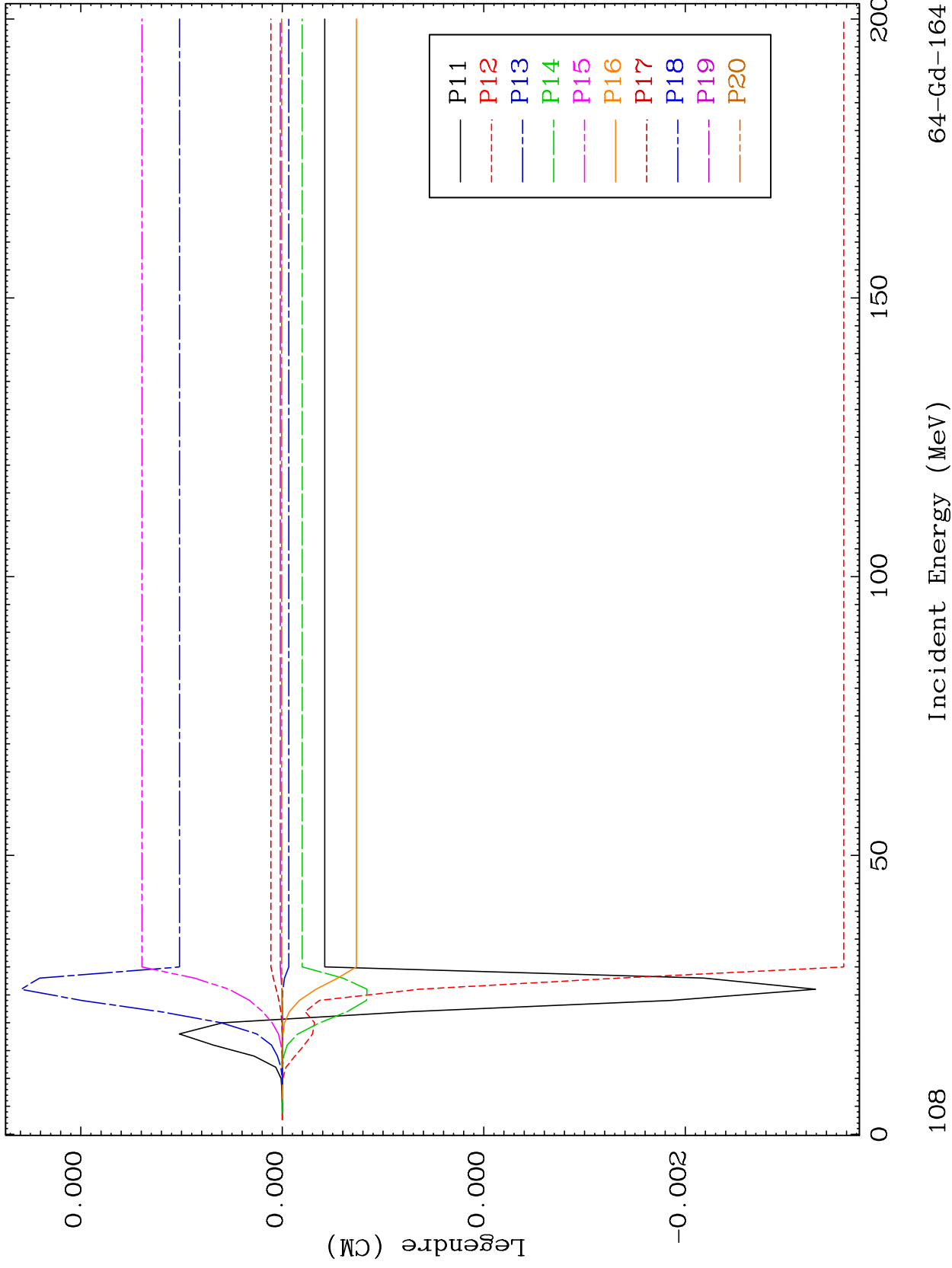
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

64-Gd-164



108

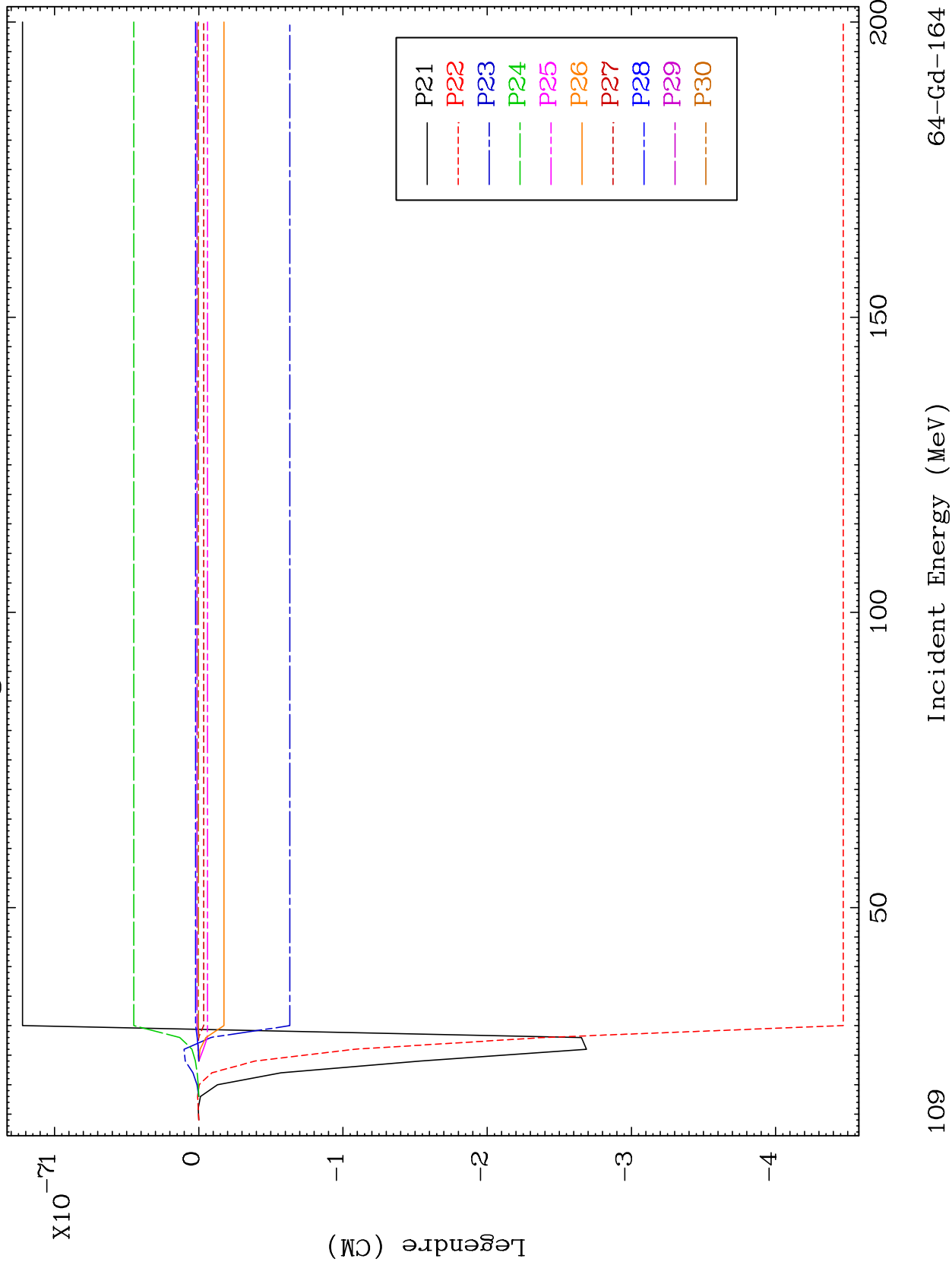
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

64-Gd-164



109

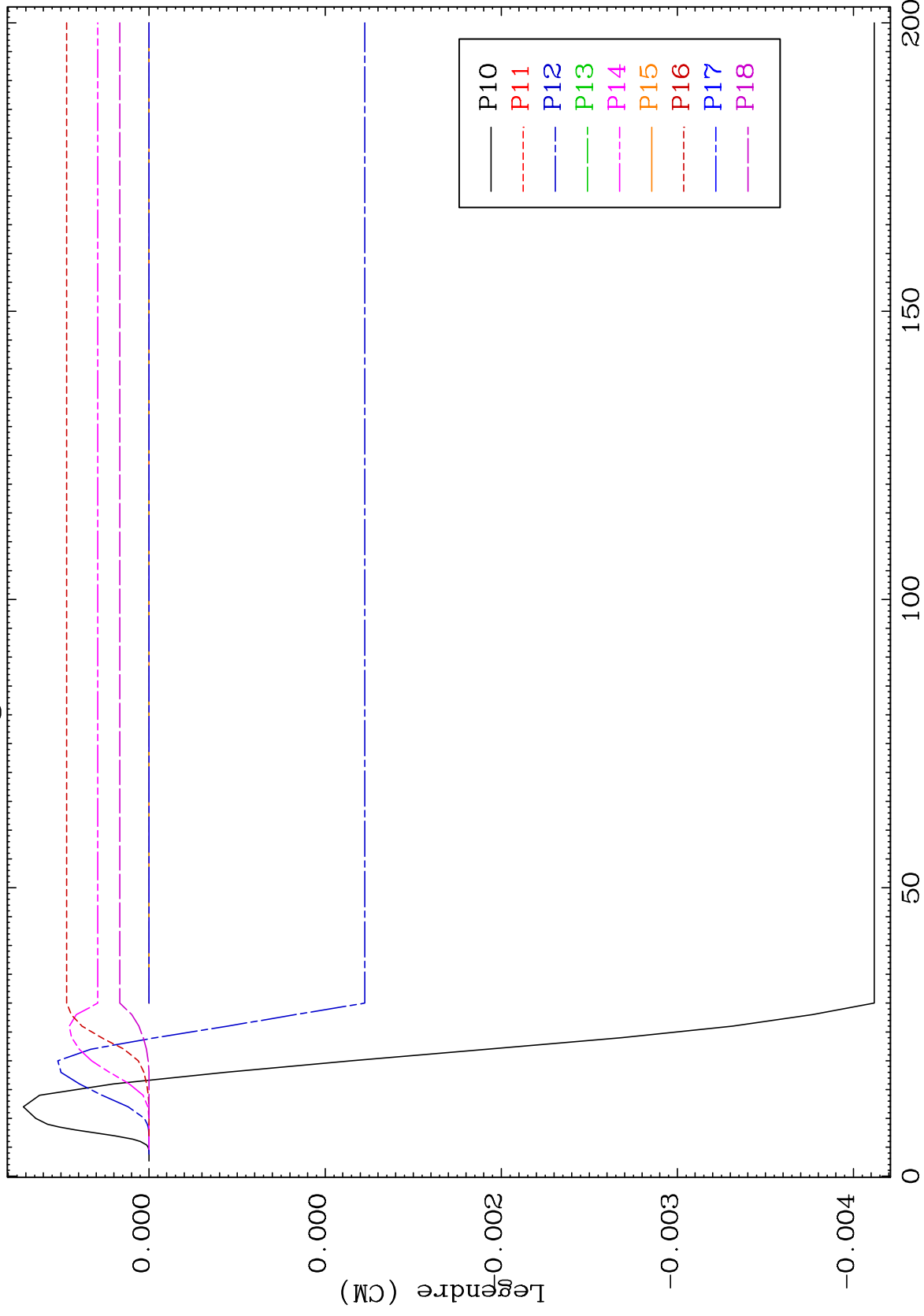
64-Gd-164



MAT 6461

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

64-Gd-164



111

Incident Energy (MeV)

64-Gd-164

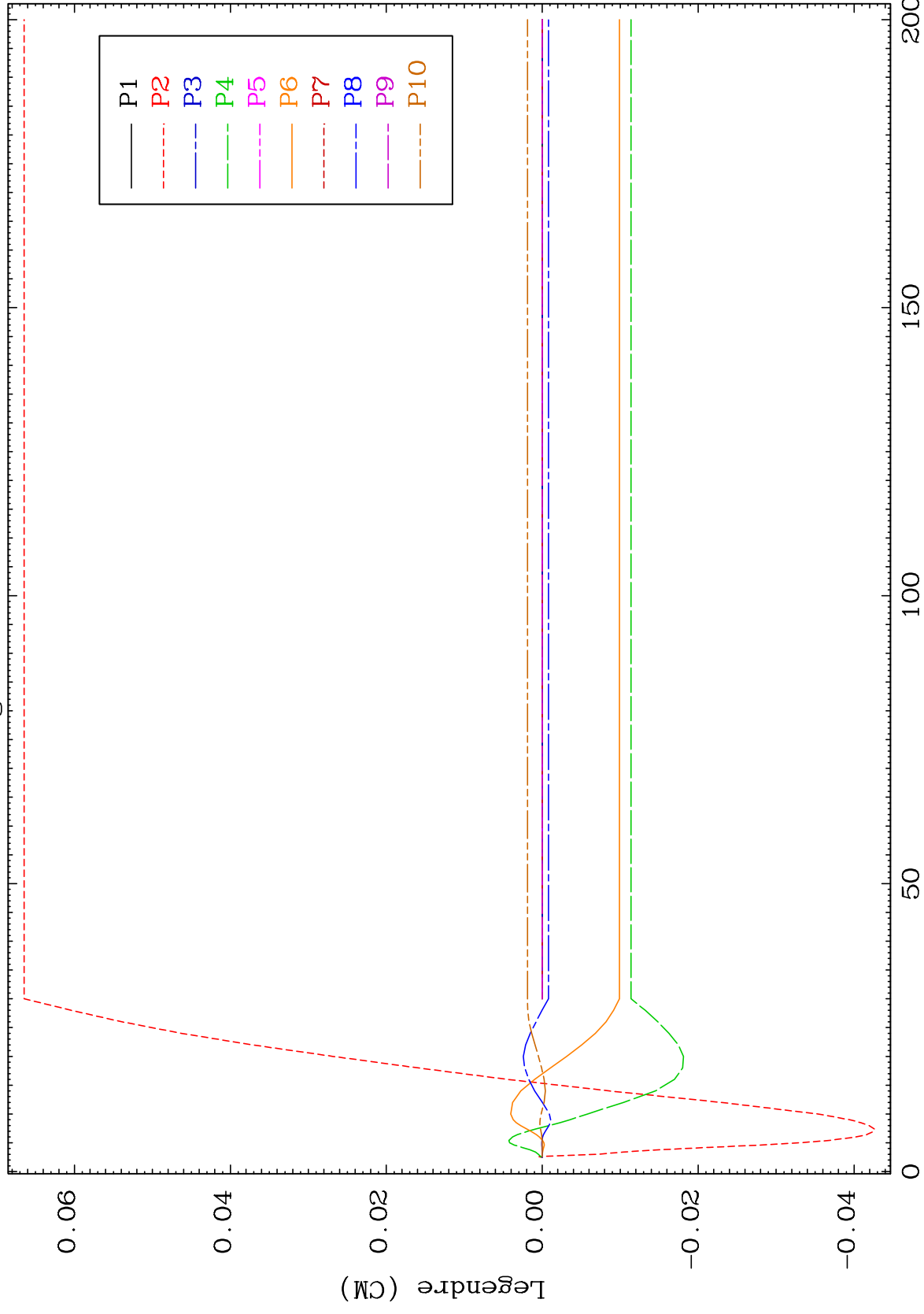




MAT 6461

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

64-Gd-164



113

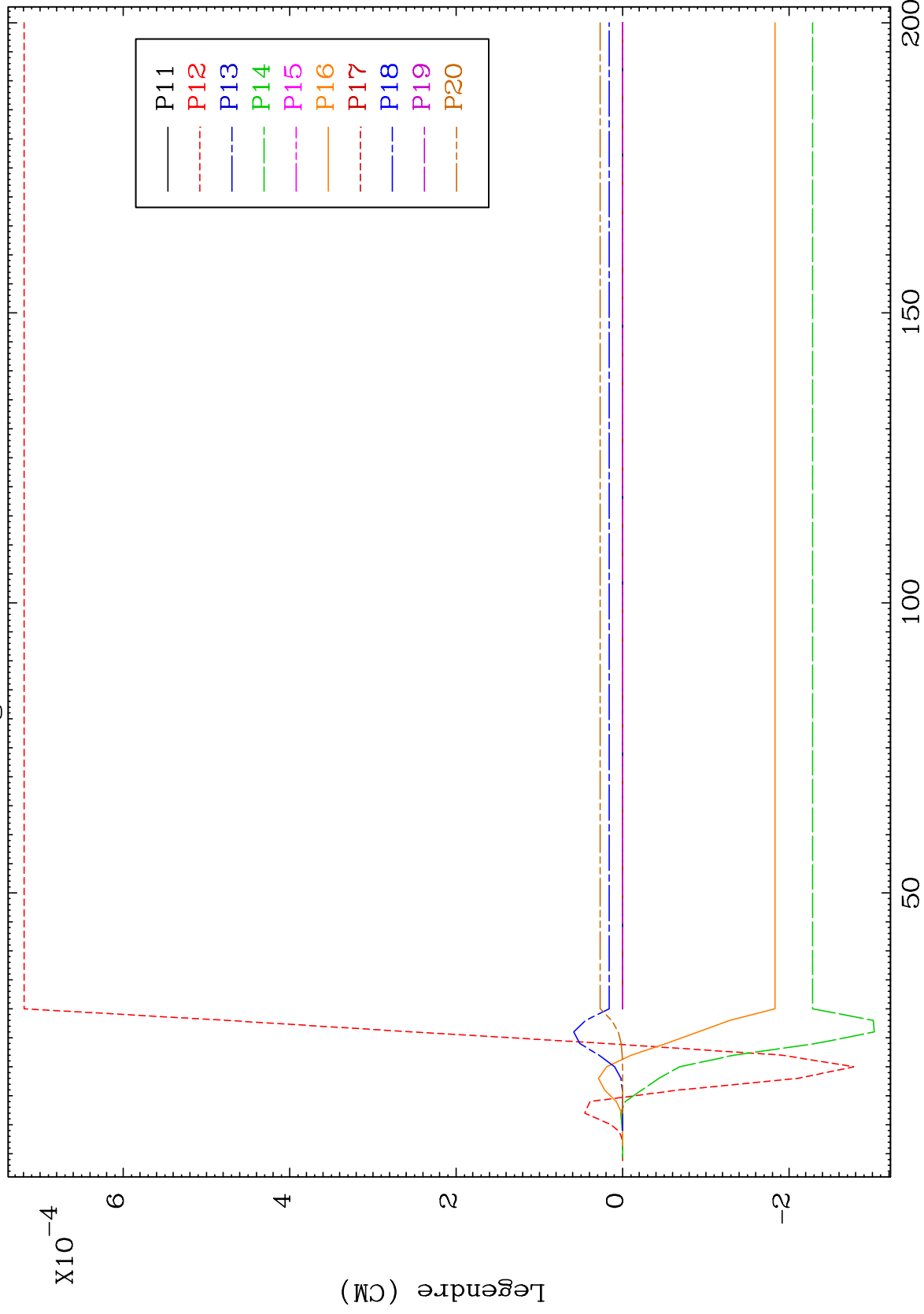
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

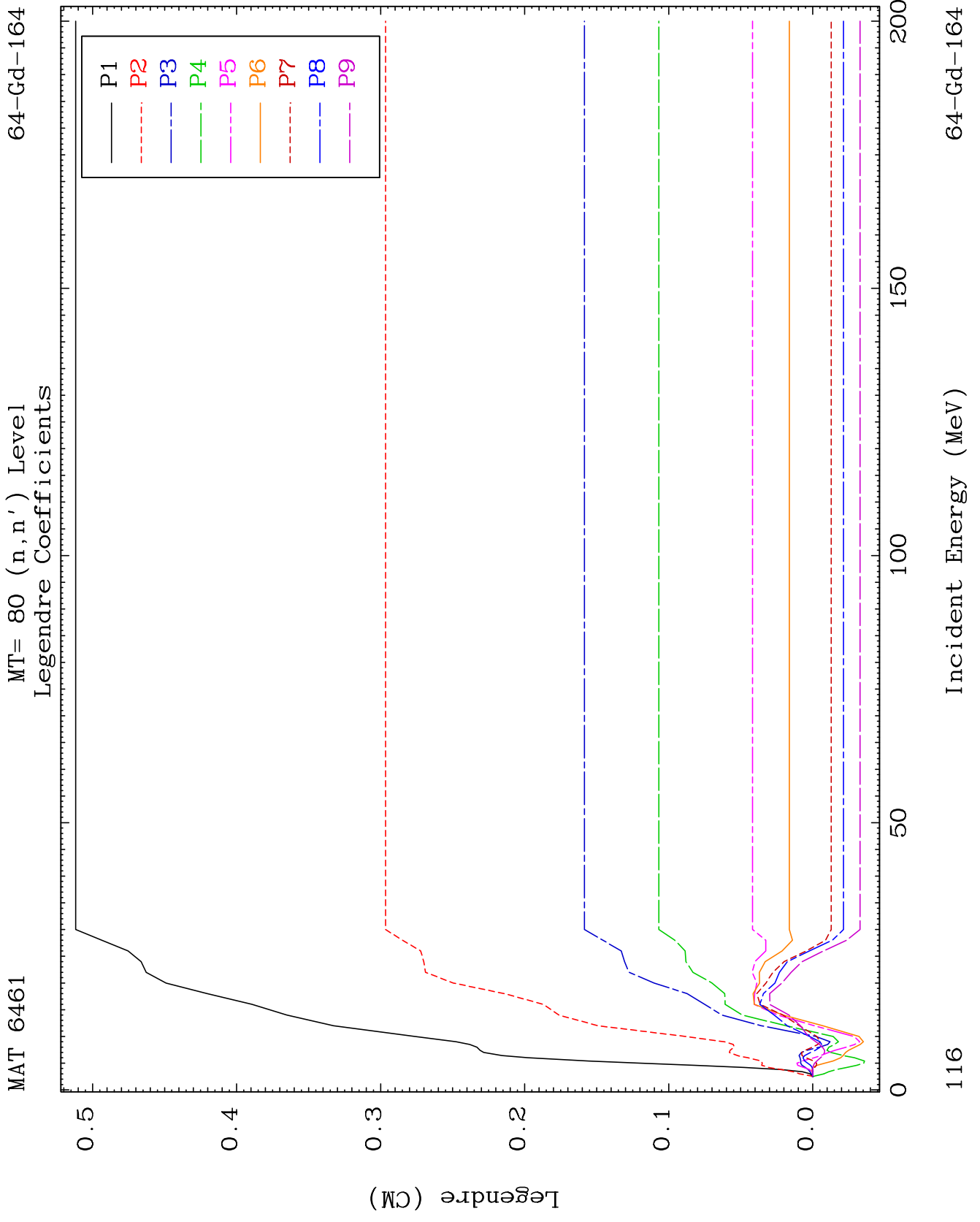
64-Gd-164



114

64-Gd-164

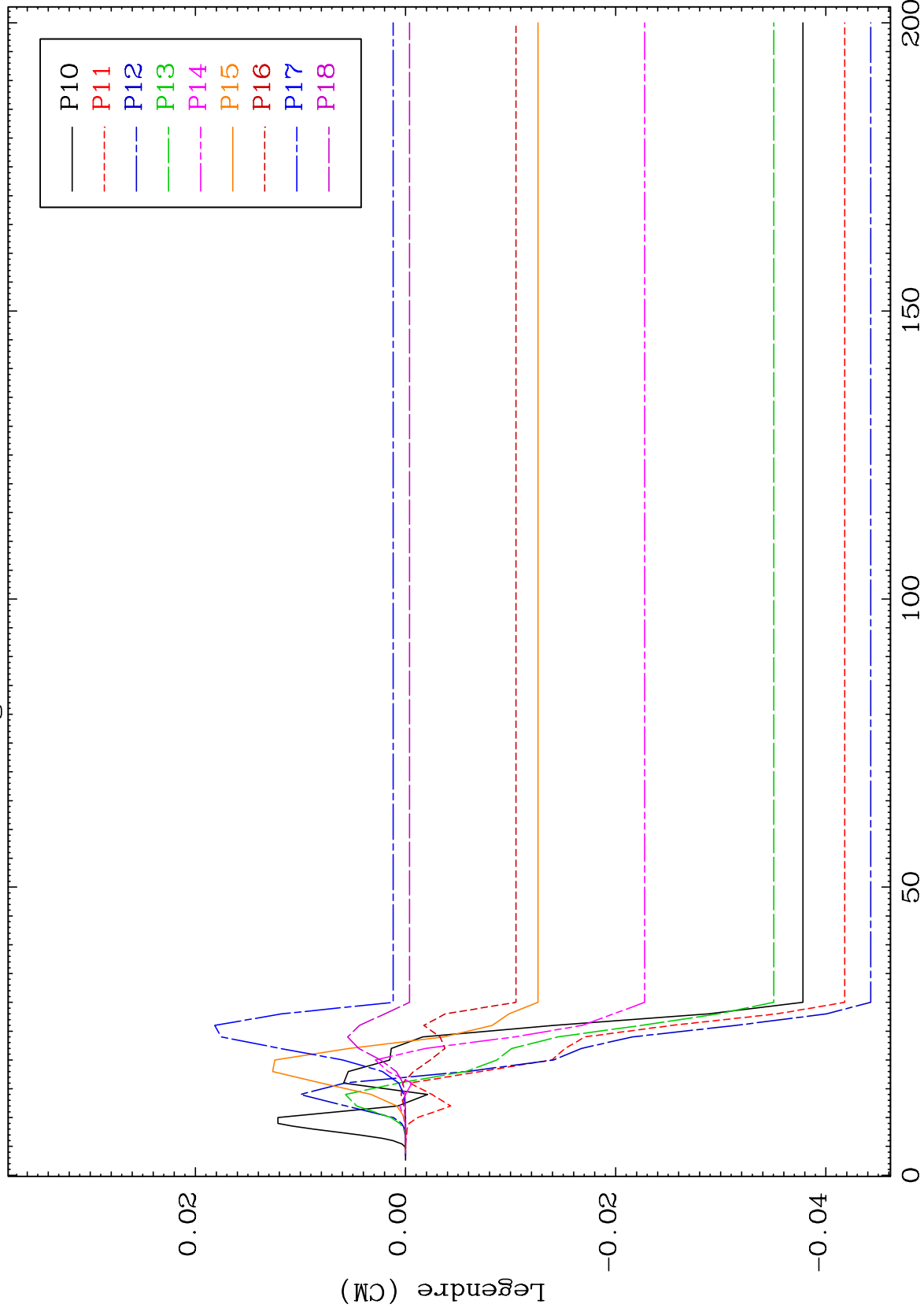




MAT 6461

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

64-Gd-164



117

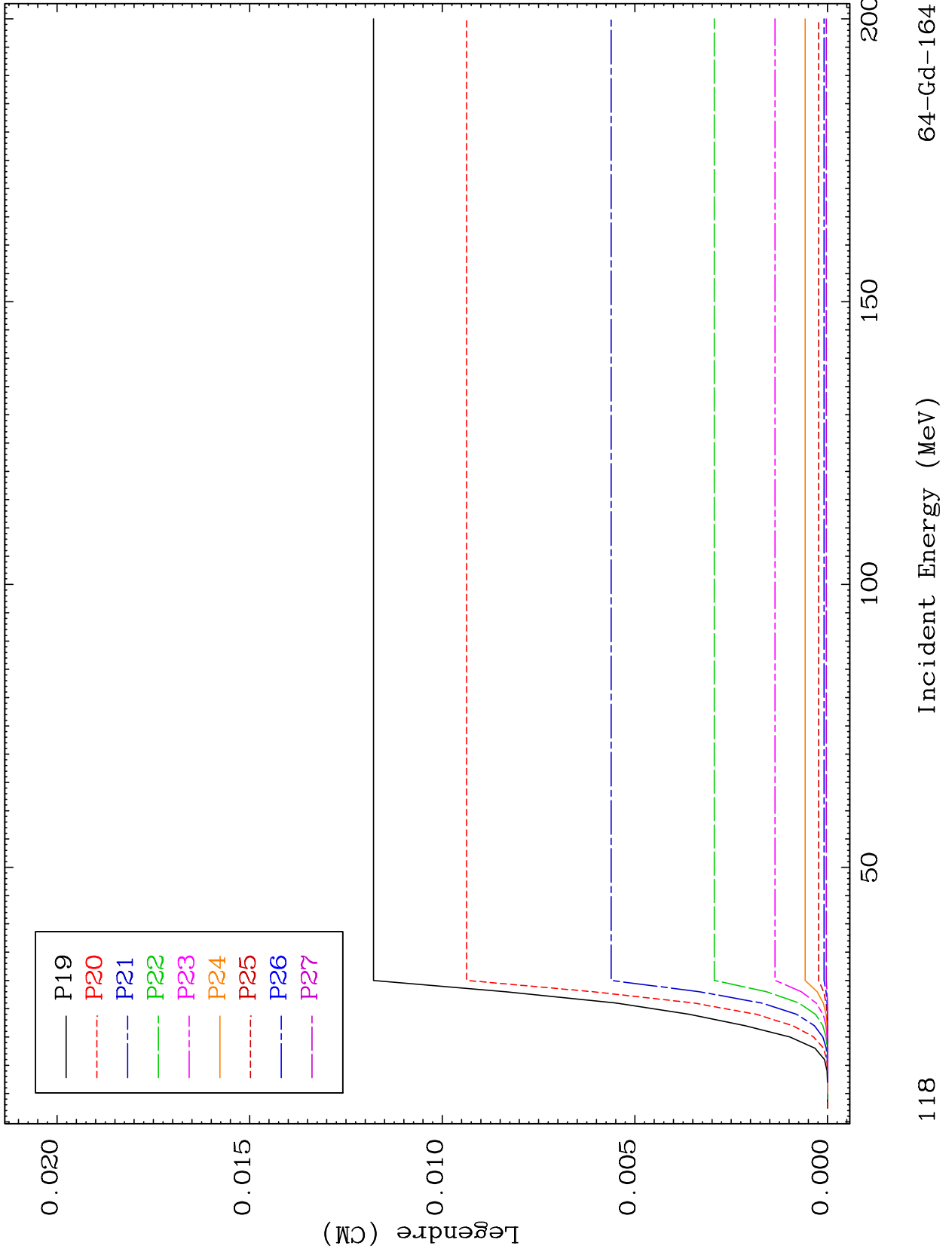
Incident Energy (MeV)

64-Gd-164

MAT 6461

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

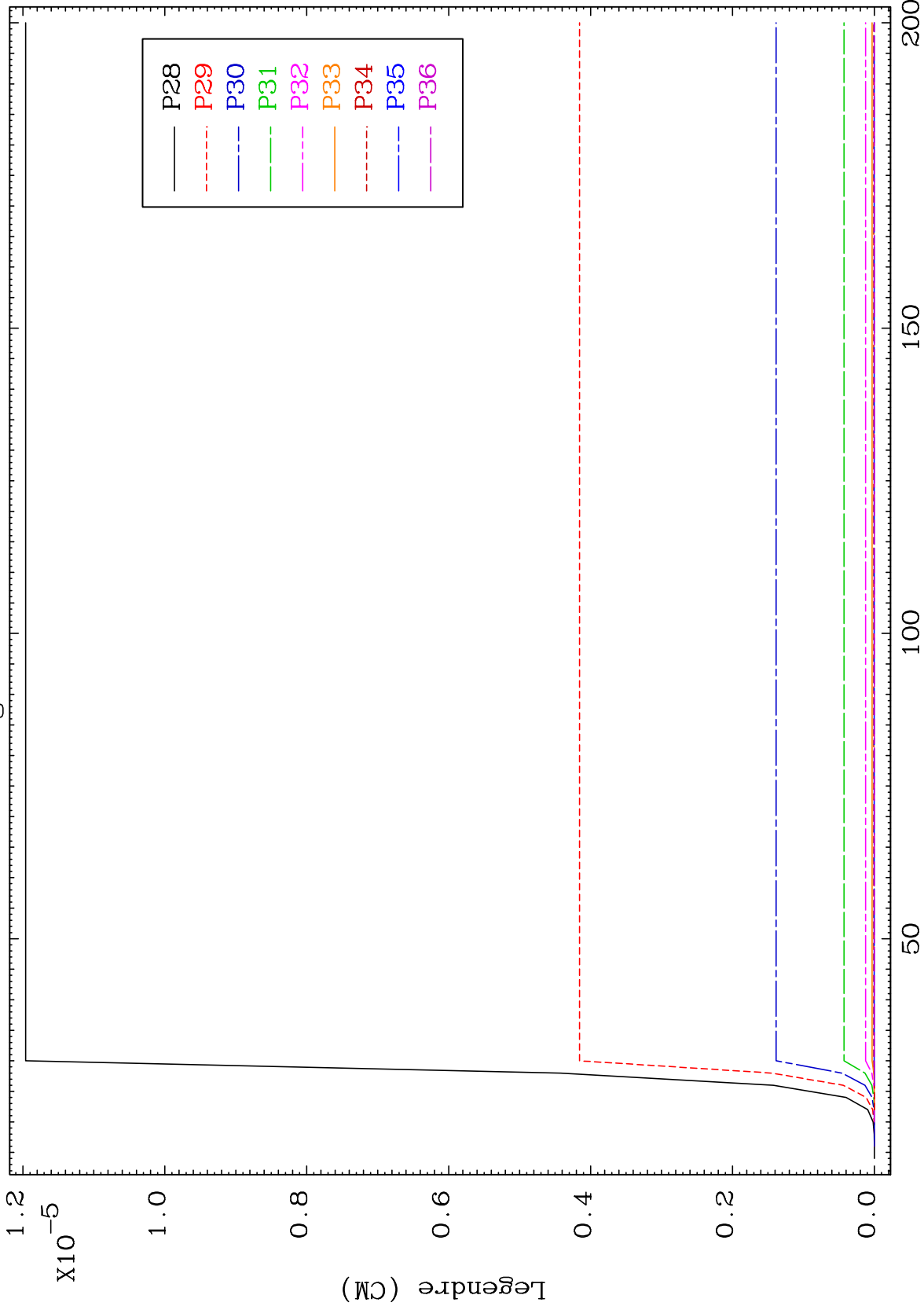
64-Gd-164



MAT 6461

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

64-Gd-164



64-Gd-164

Incident Energy (MeV)

119