

Program EVALPLOT  
(Version 2021-1)

by

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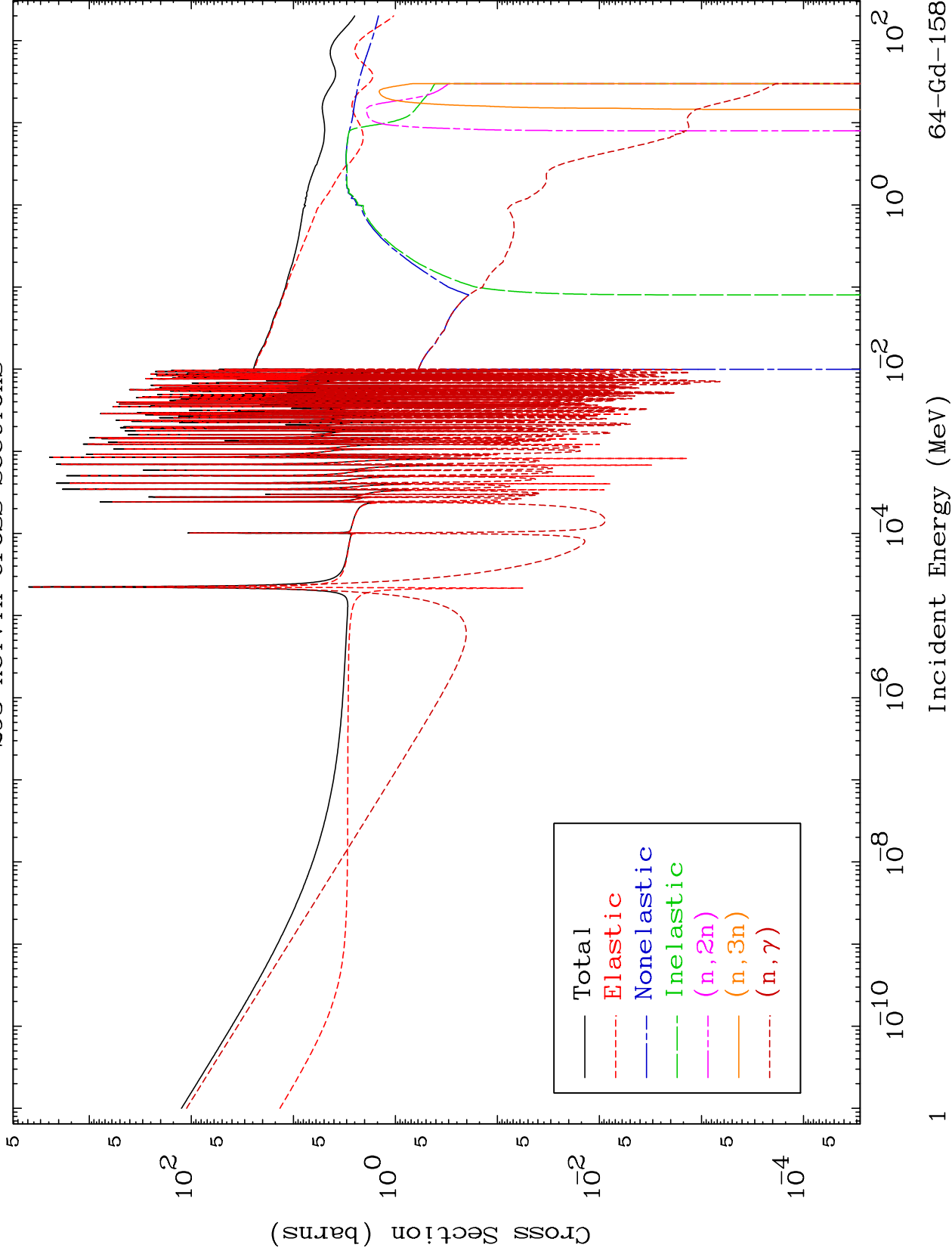
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Press Mouse Button to Start

MAT 6443

Neutron Major  
293 Kelvin Cross Sections

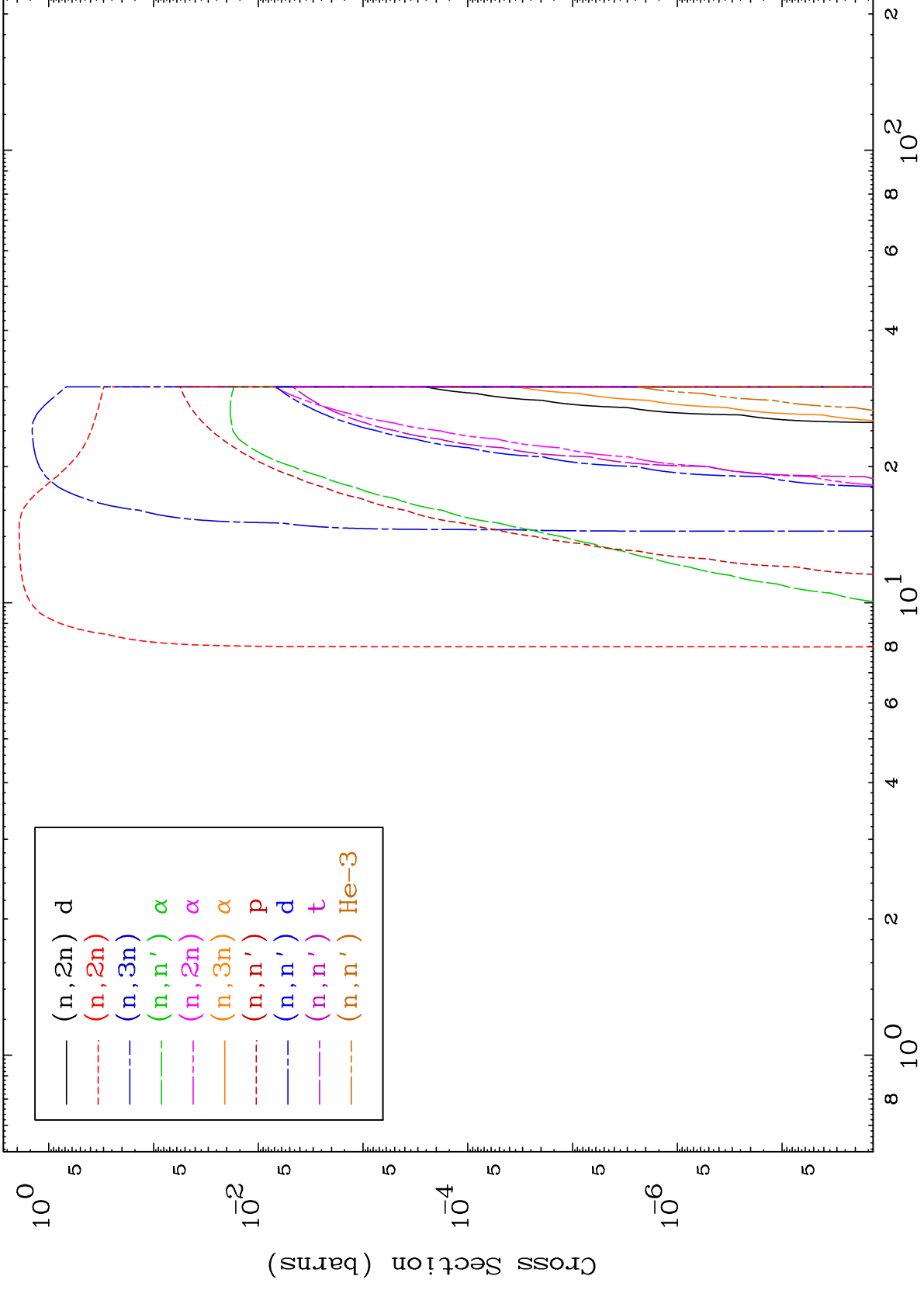
64-Gd-158



MAT 6443

Neutron Absorption  
293 Kelvin Cross Sections

64-Gd-158



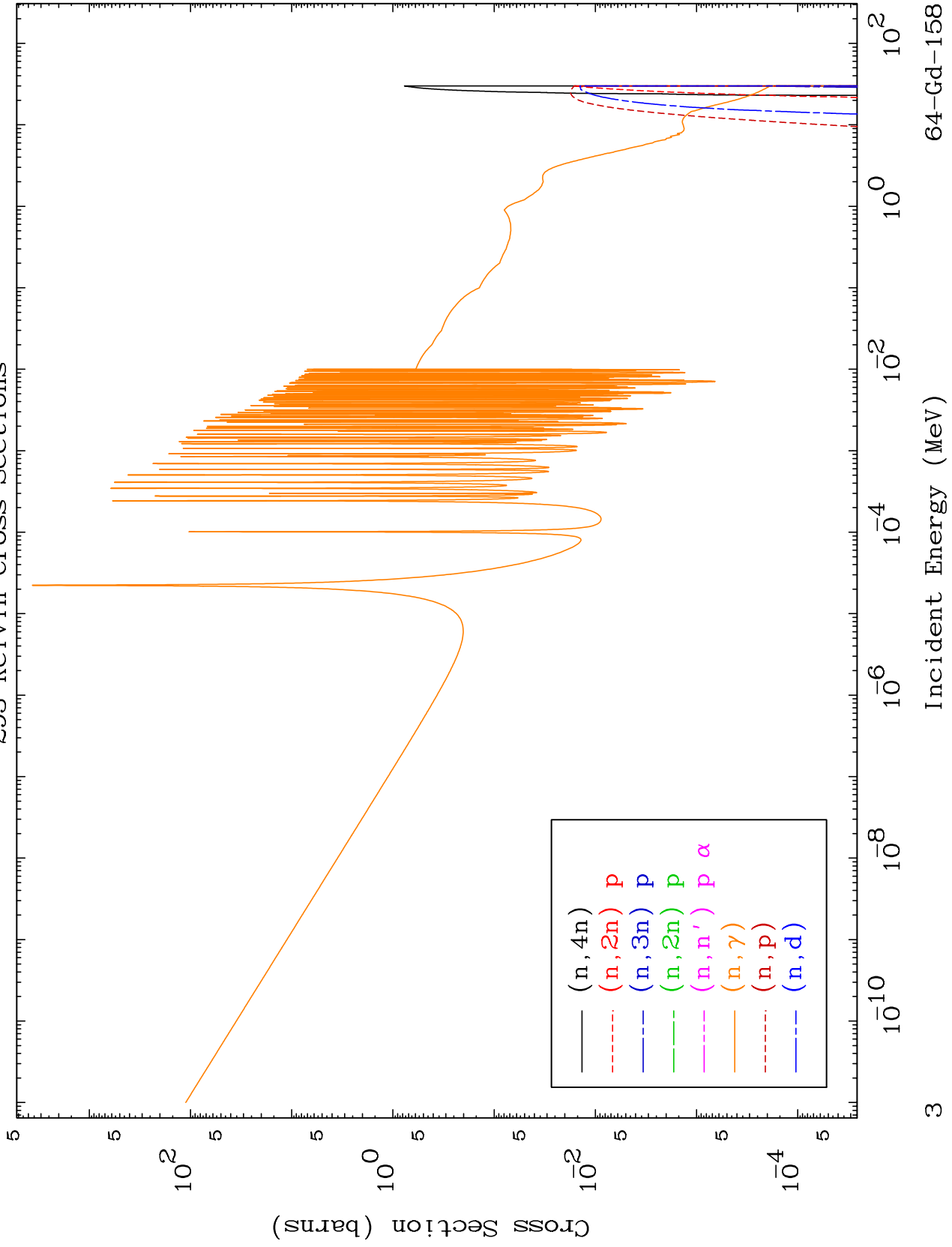
Incident Energy (MeV)

64-Gd-158

MAT 6443

Neutron Absorption  
293 Kelvin Cross Sections

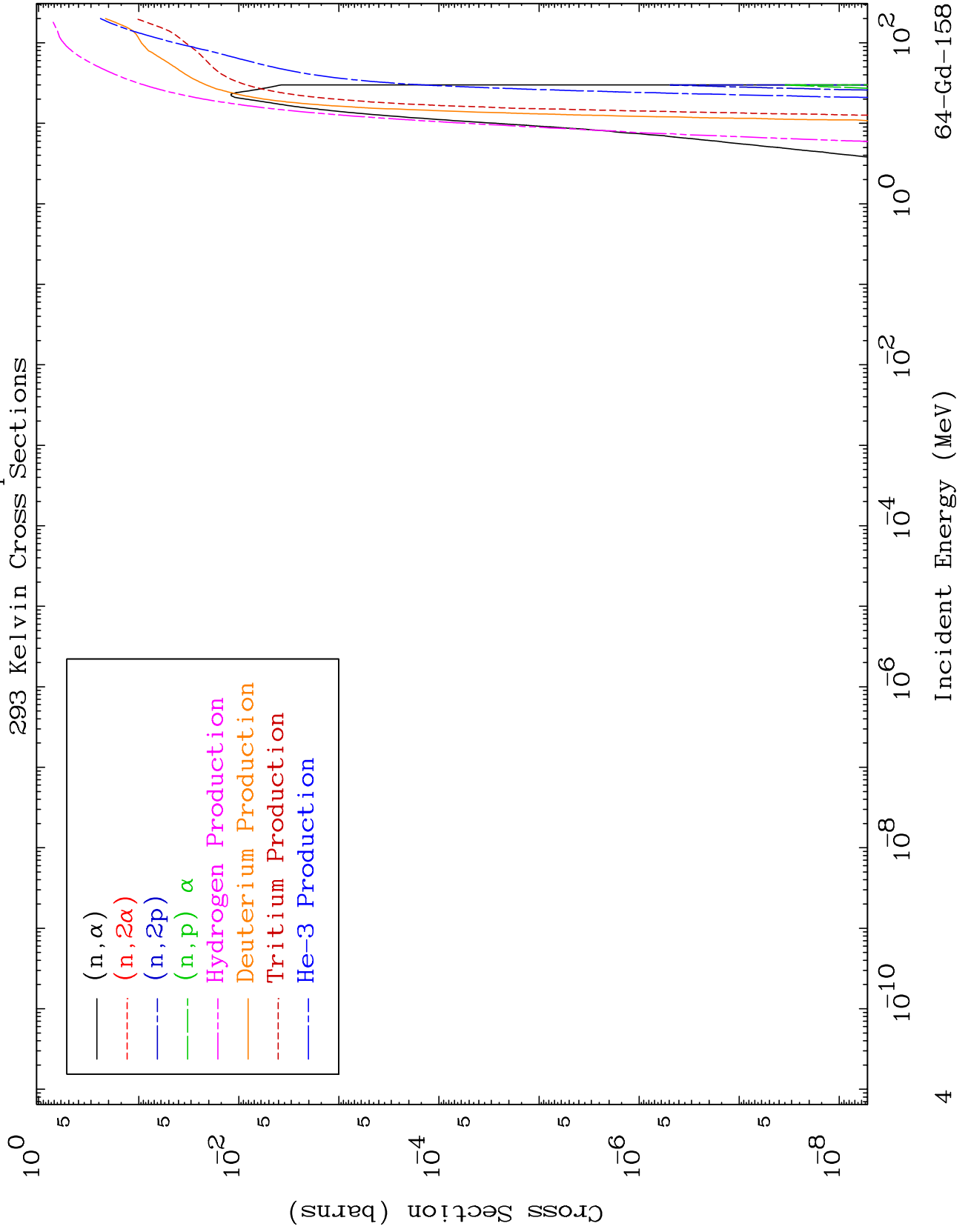
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MAT 6443

Neutron Absorption  
293 Kelvin Cross Sections

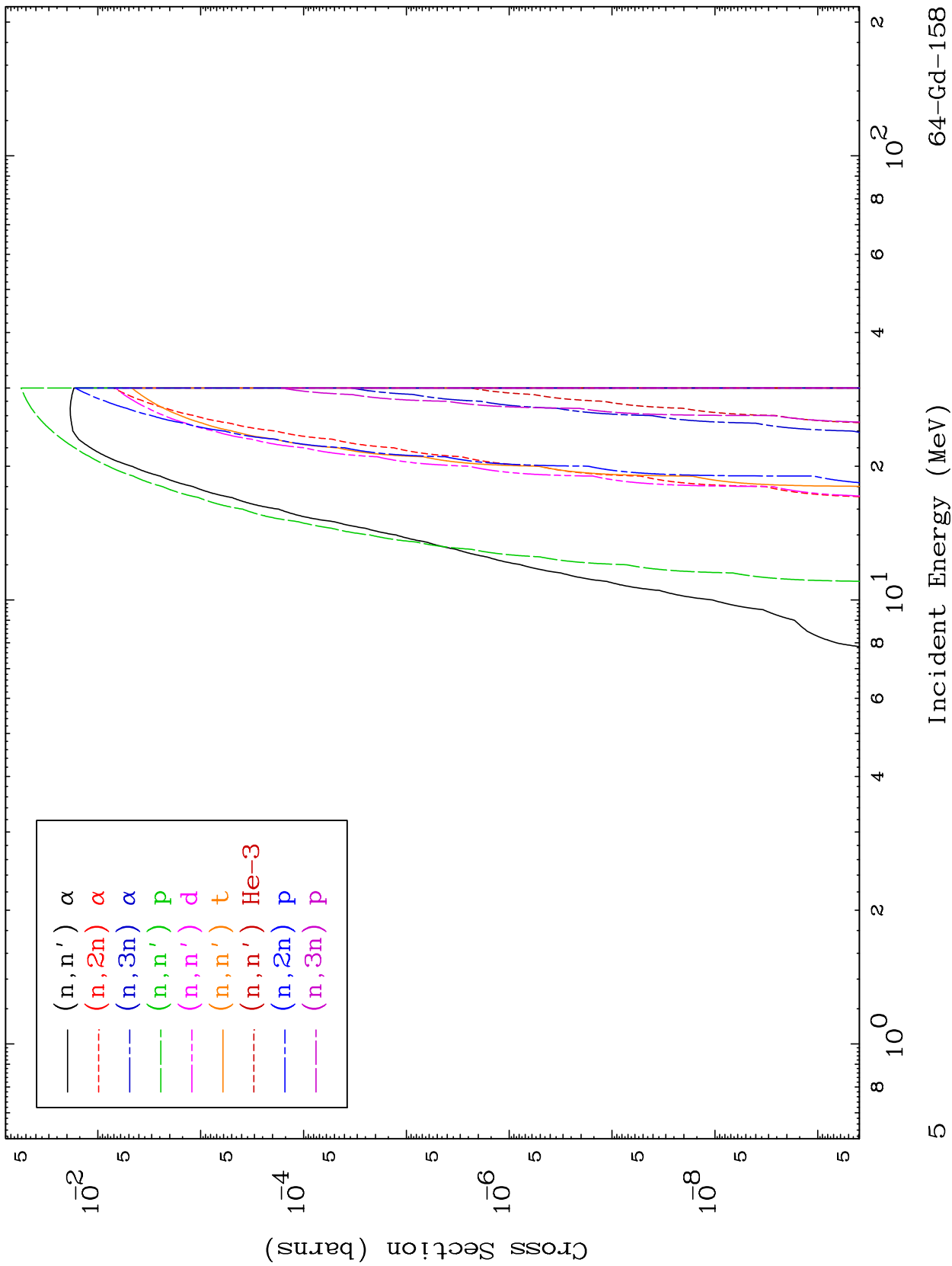
64-Gd-158



MAT 6443

Charged Particle  
293 Kelvin Cross Sections

64-Gd-158



5

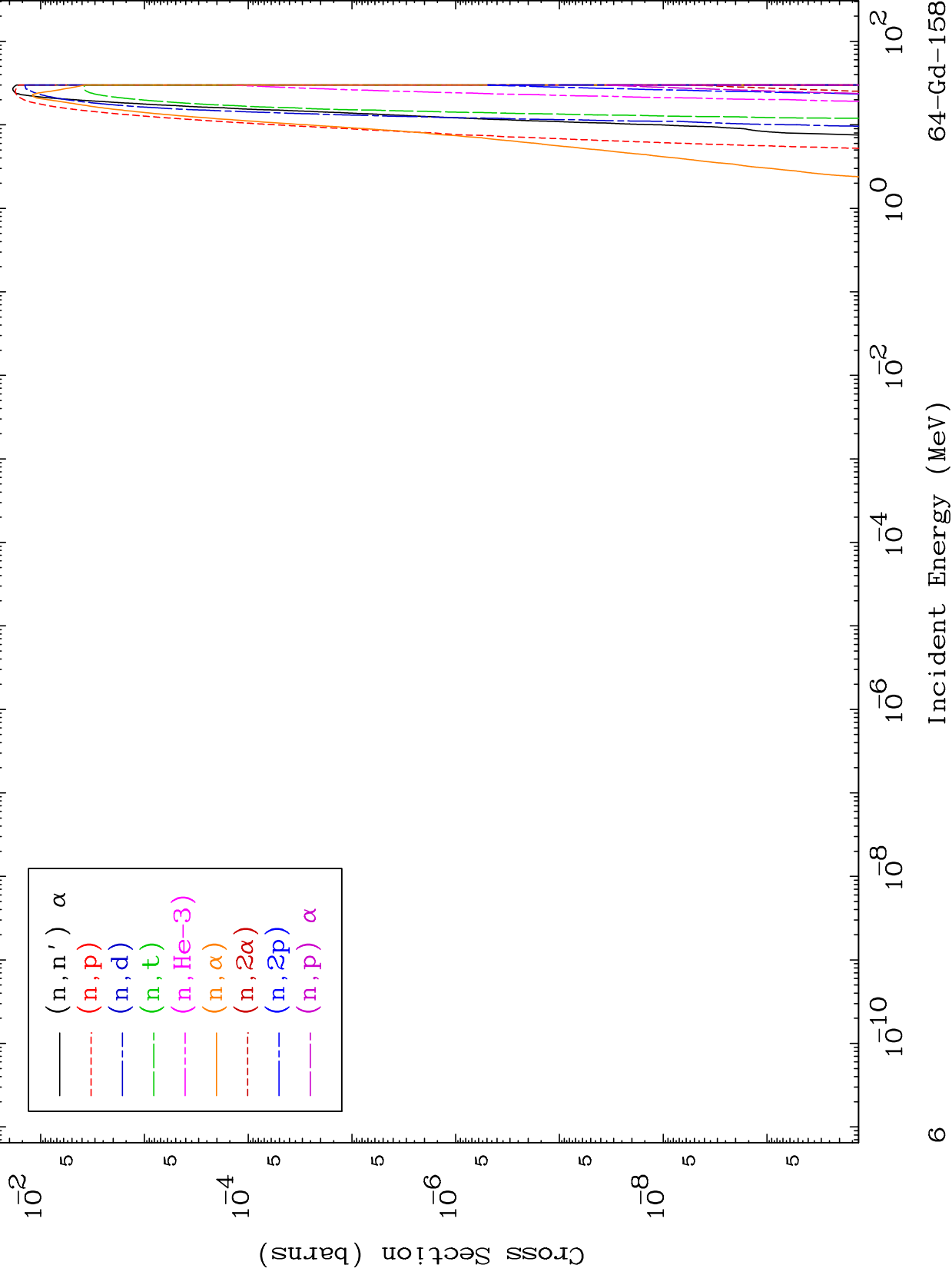
Incident Energy (MeV)

64-Gd-158

MAT 6443

Charged Particle  
293 Kelvin Cross Sections

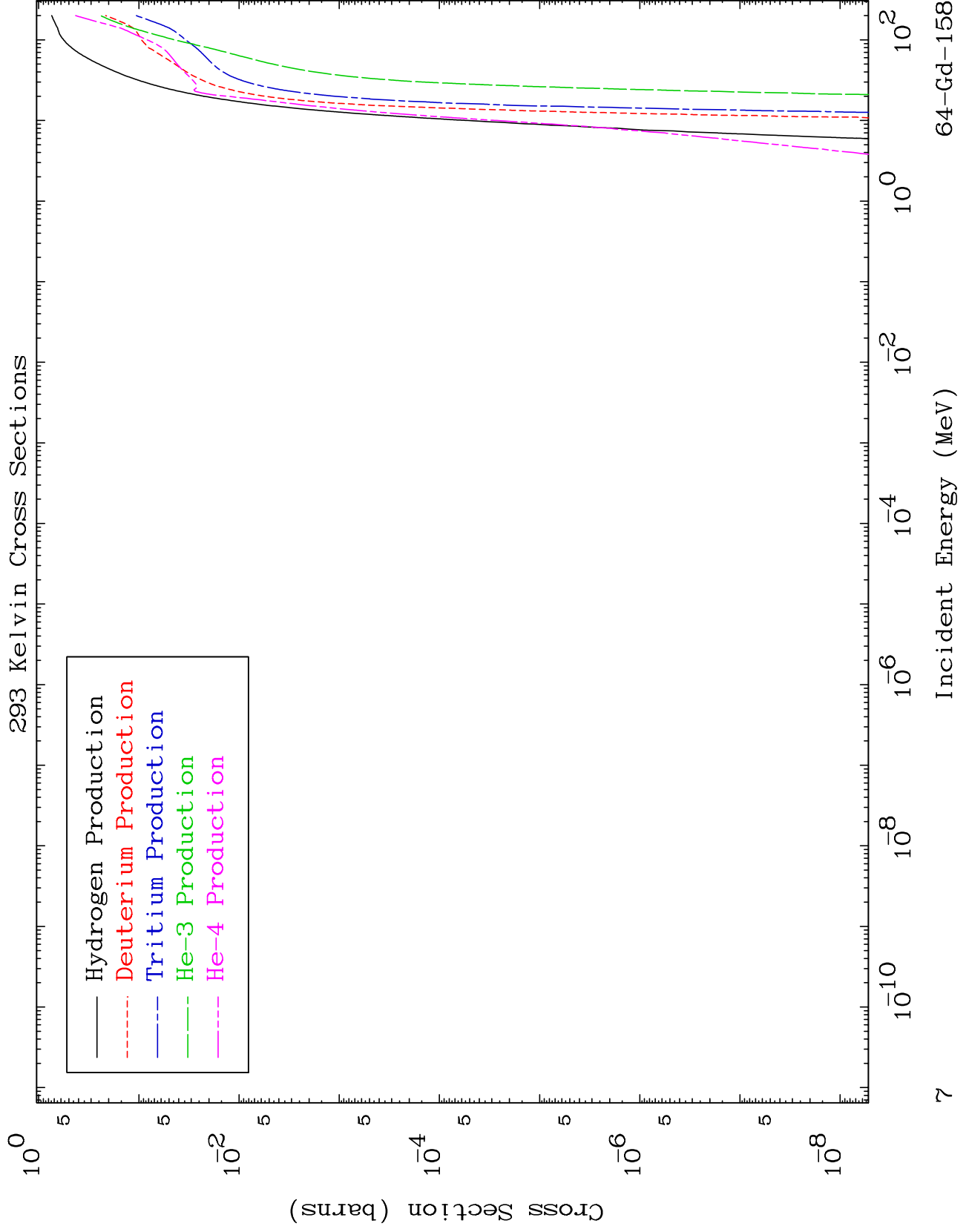
64-Gd-158



MAT 6443

Particle Production  
293 Kelvin Cross Sections

64-Gd-158



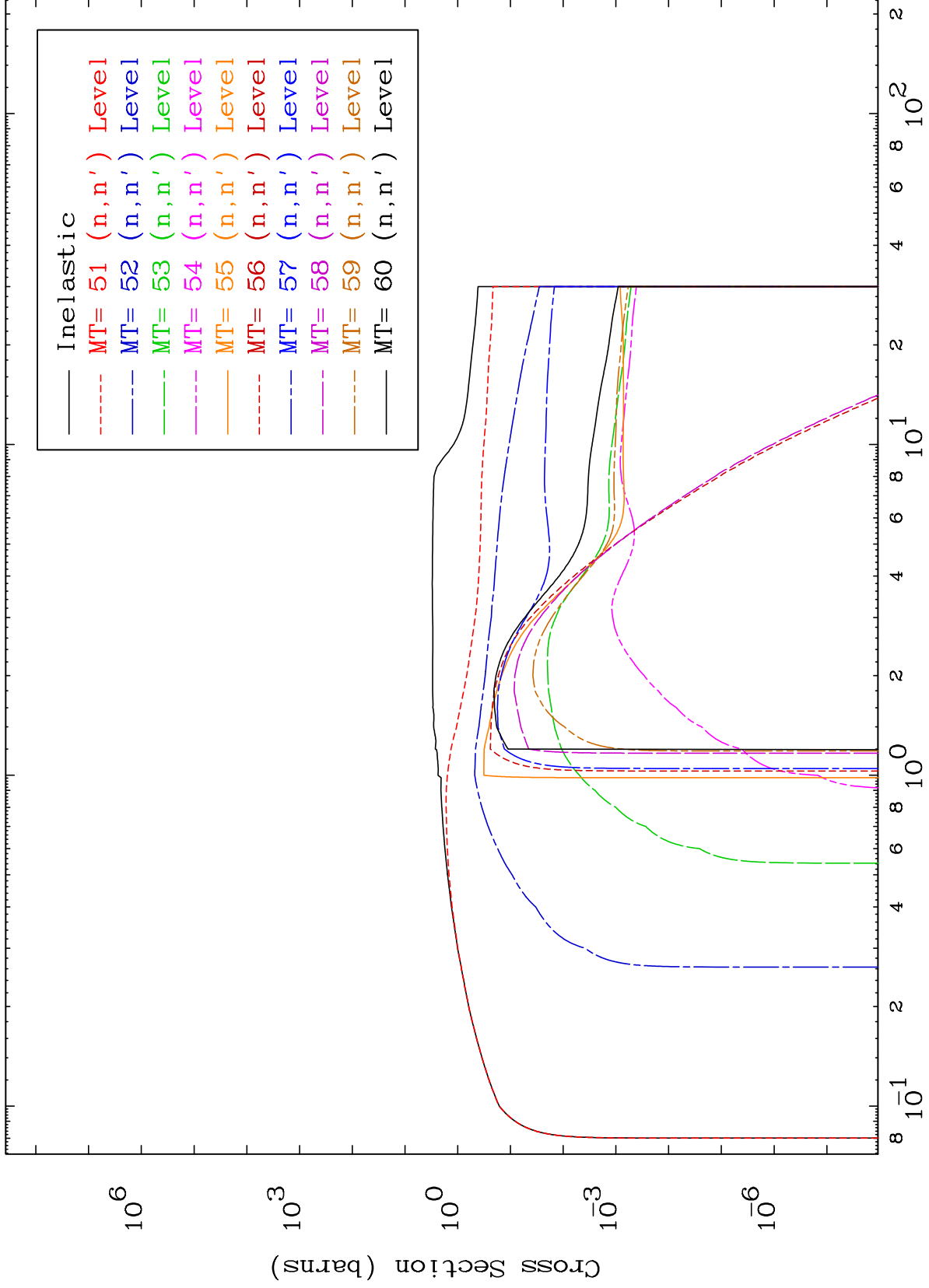


MAT 6443

(n,n') Levels

64-Gd-158

293 Kelvin Cross Sections



Incident Energy (MeV)

64-Gd-158

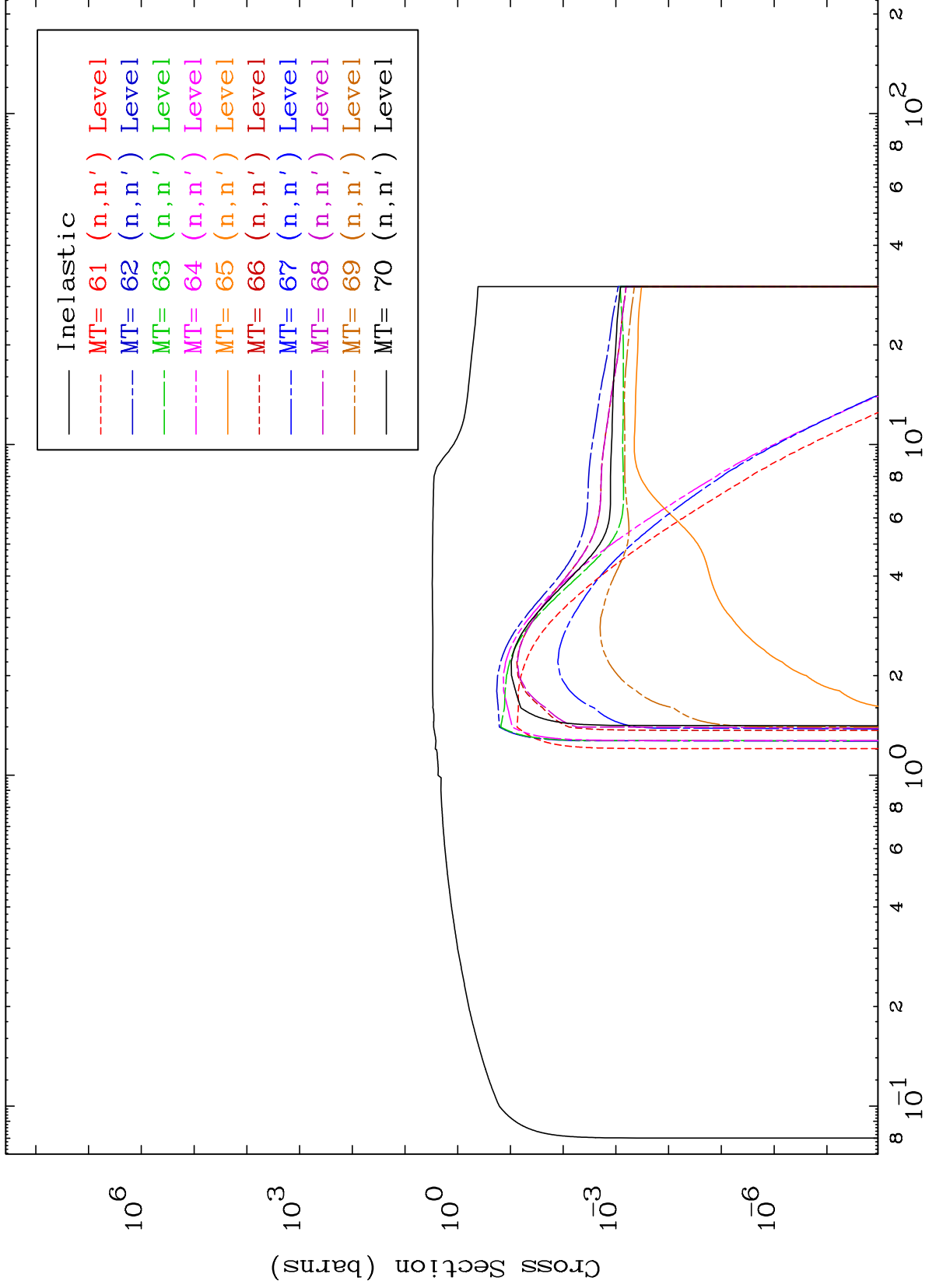
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MAT 6443

(n,n') Levels

64-Gd-158

293 Kelvin Cross Sections



9

Incident Energy (MeV)

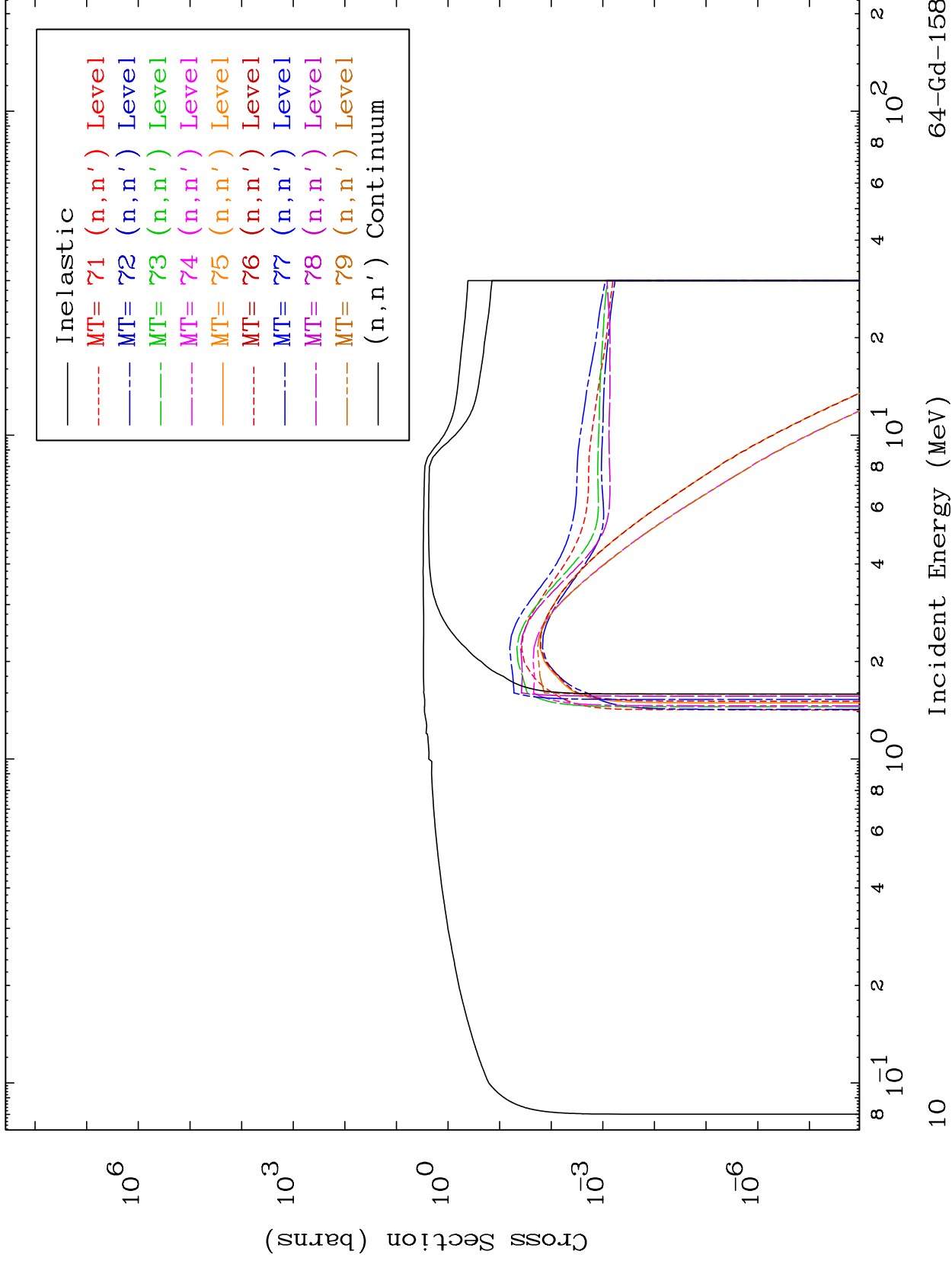
64-Gd-158

MAT 6443

(n,n') Levels

64-Gd-158

293 Kelvin Cross Sections



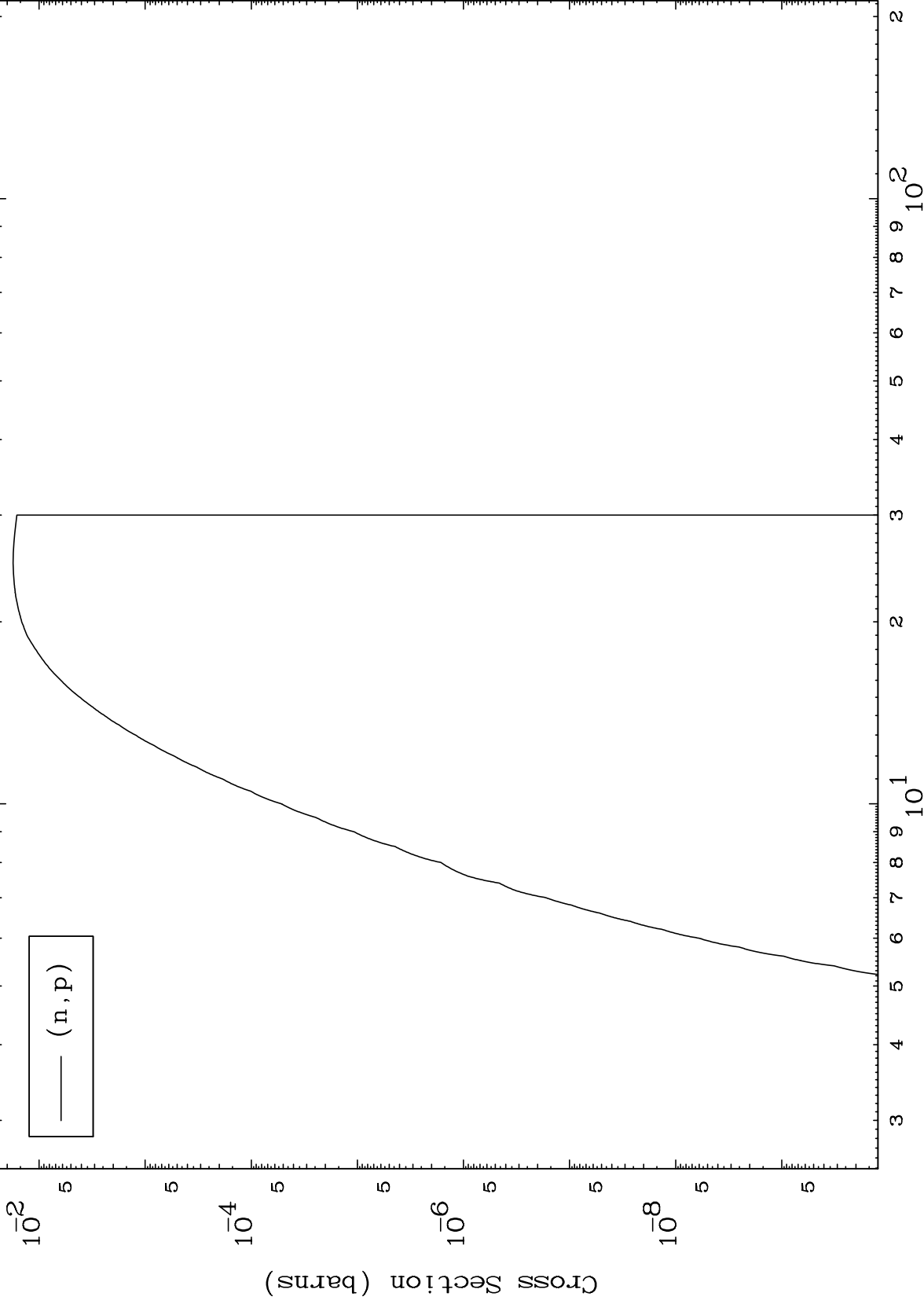
Incident Energy (MeV)

64-Gd-158

MAT 6443

(n,p) Levels  
293 Kelvin Cross Sections

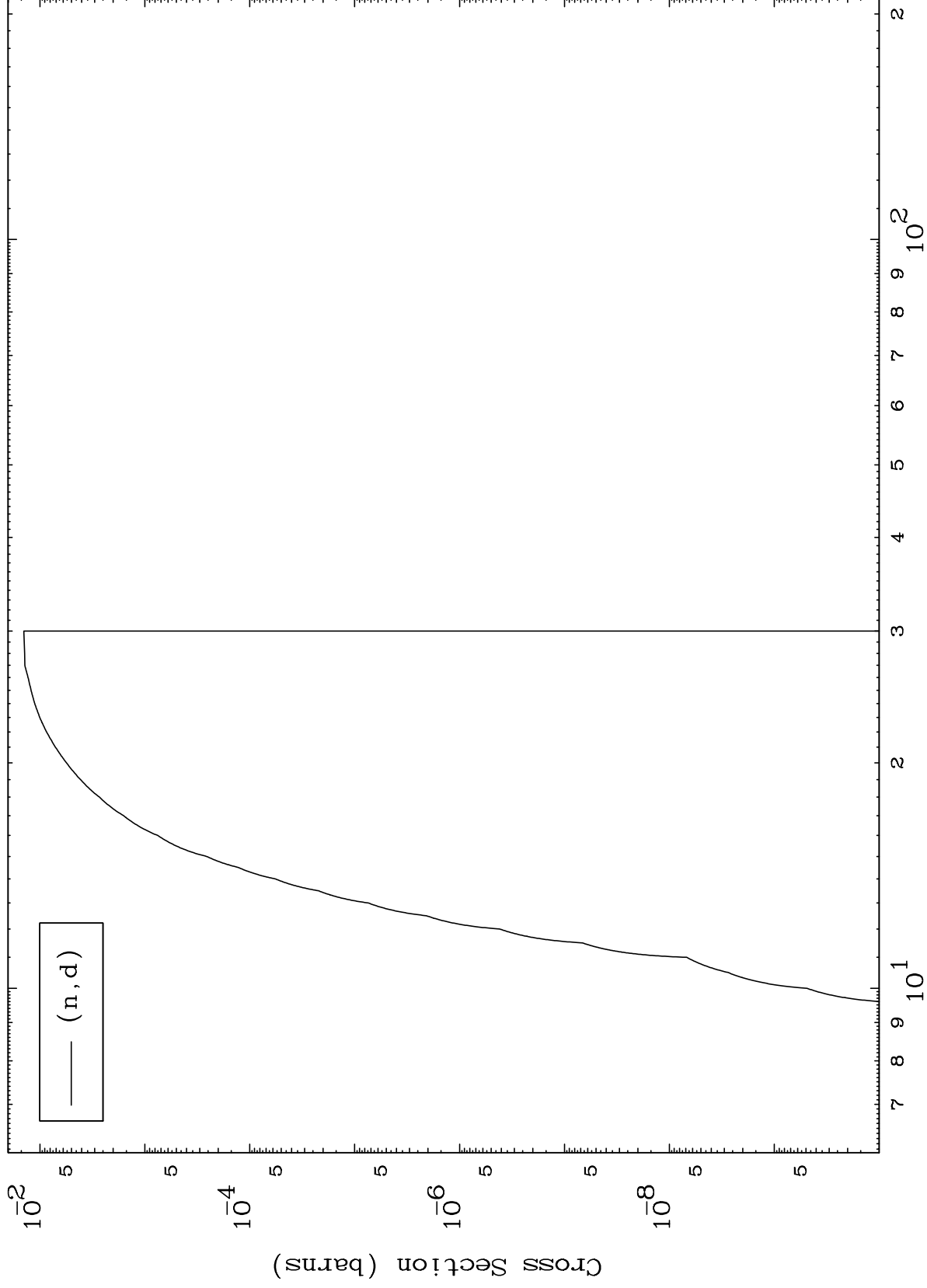
64-Gd-158



MAT 6443

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-158



12

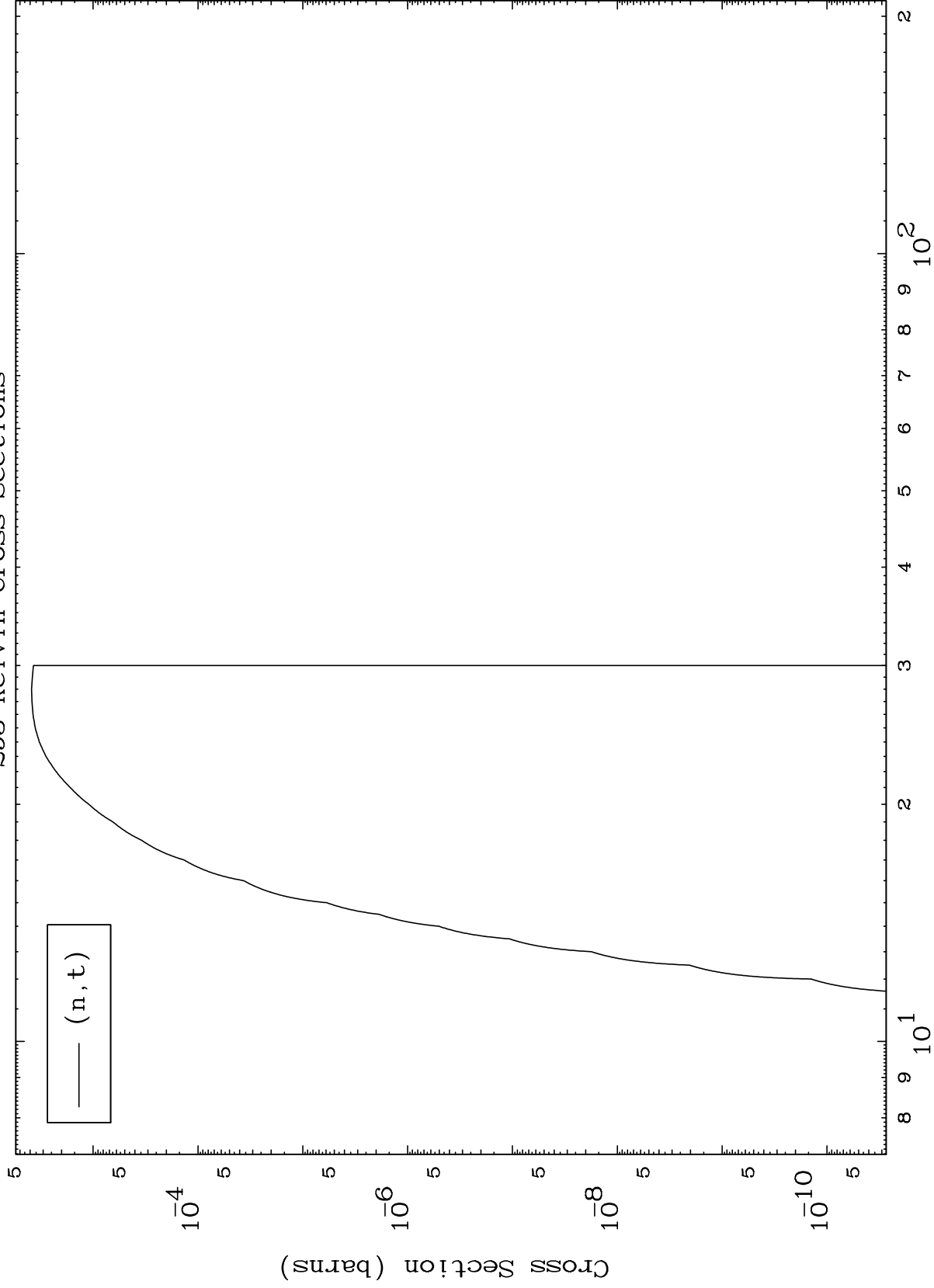
Incident Energy (MeV)

64-Gd-158

MAT 6443

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-158



13

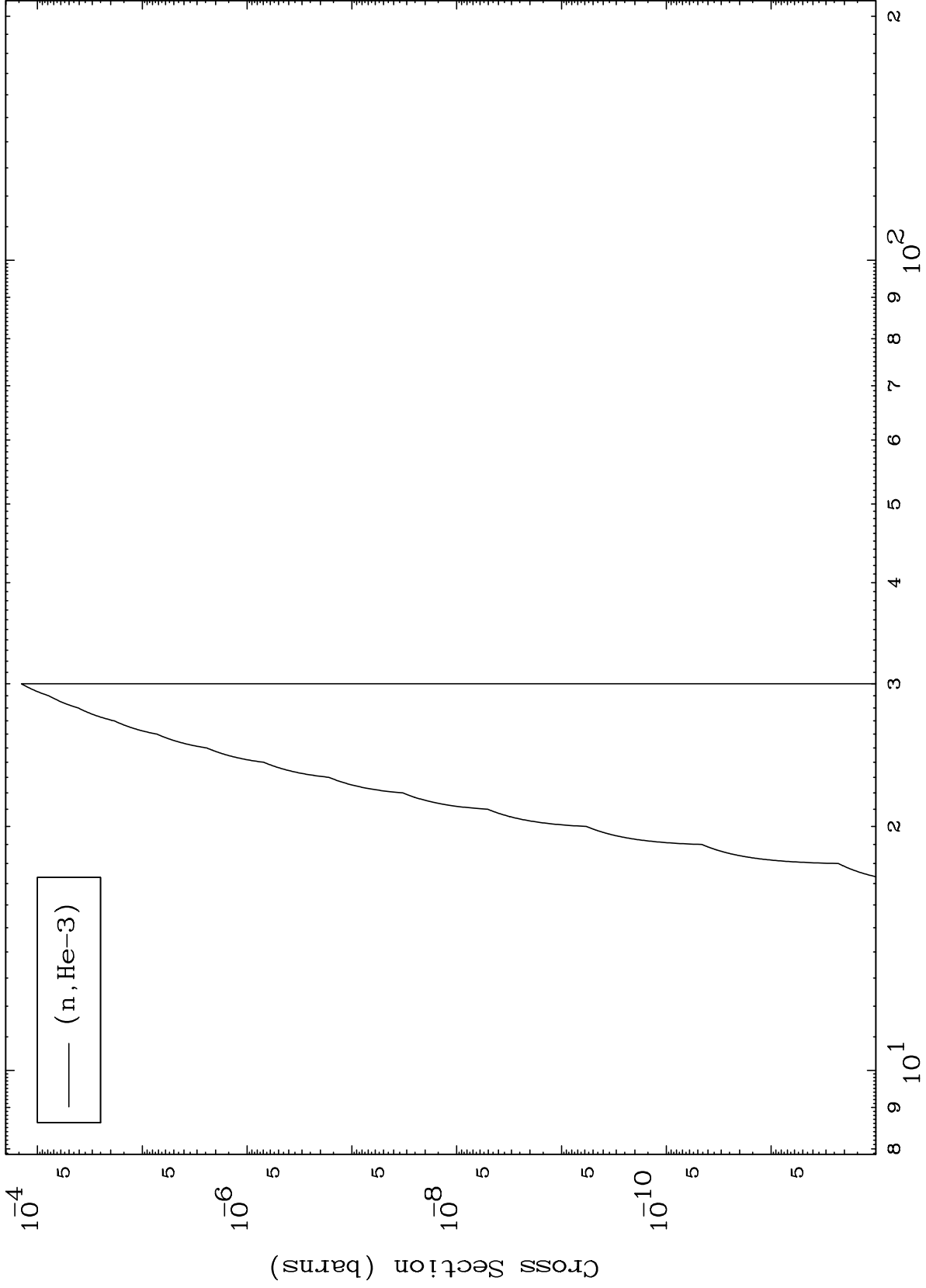
Incident Energy (MeV)

64-Gd-158

MAT 6443

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-158



14

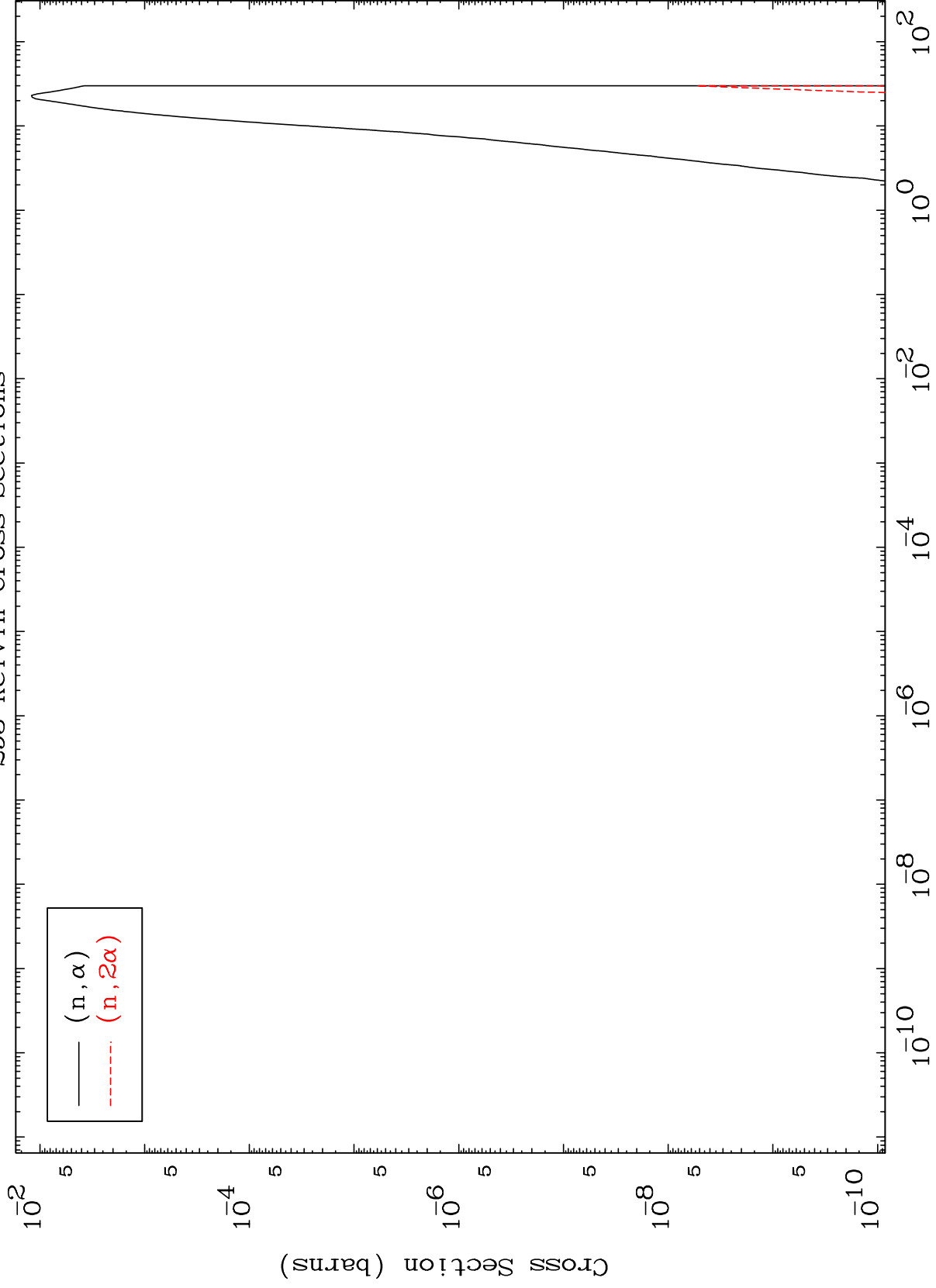
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



15

Incident Energy (MeV)

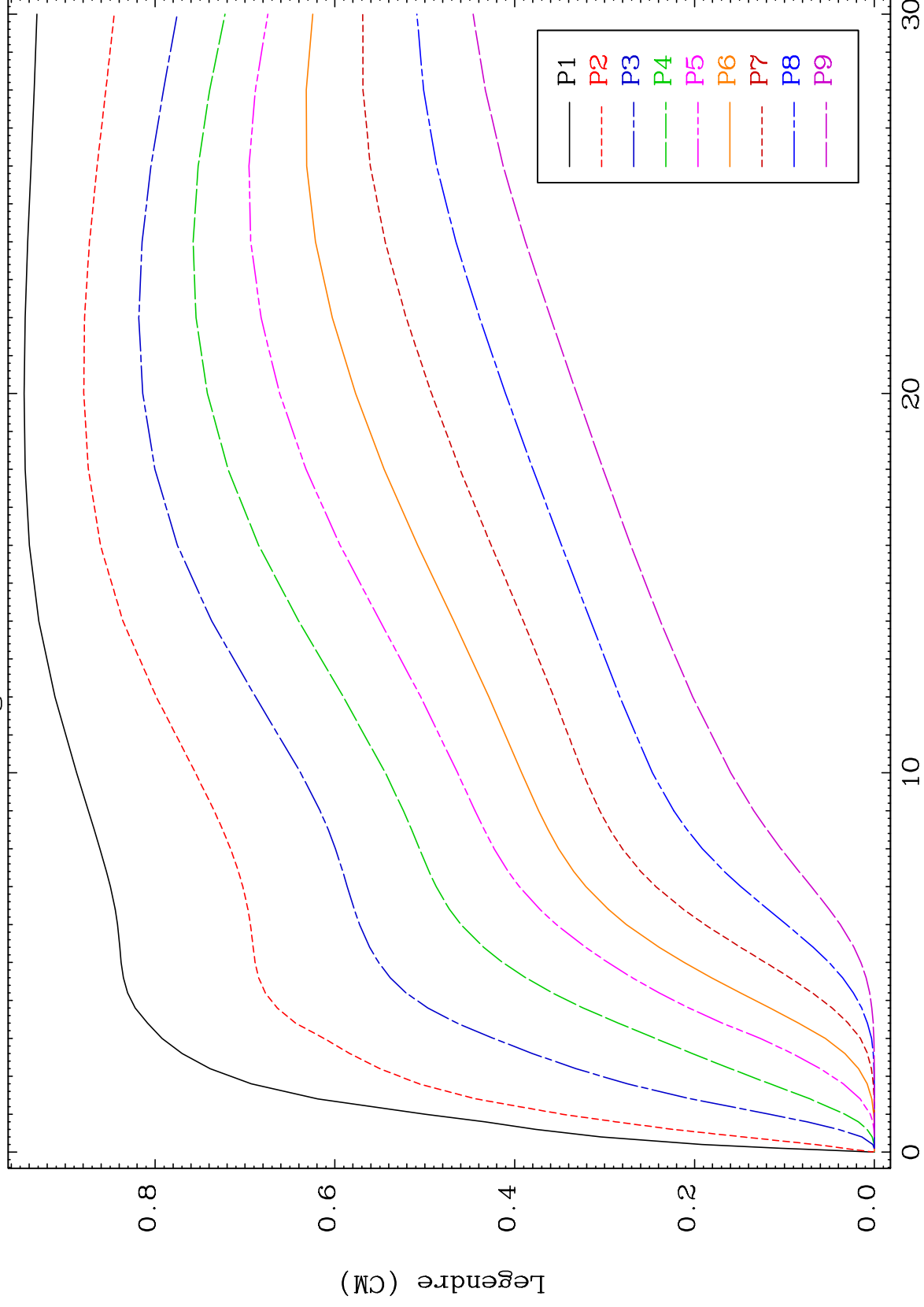
64-Gd-158



MAT 6443

Elastic Legendre Coefficients

64-Gd-158



16

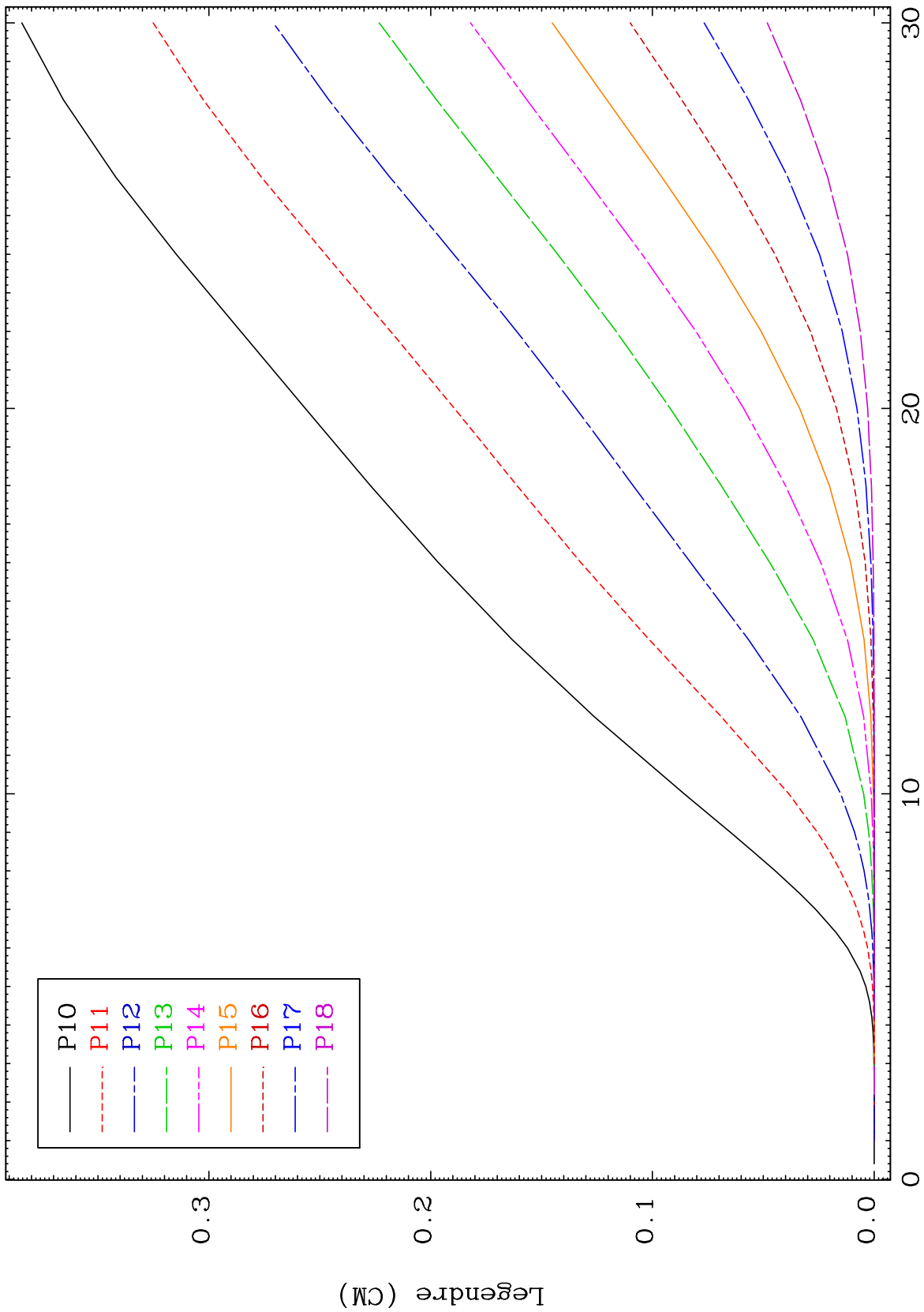
Incident Energy (MeV)

64-Gd-158

MAT 6443

Elastic Legendre Coefficients

64-Gd-158



17

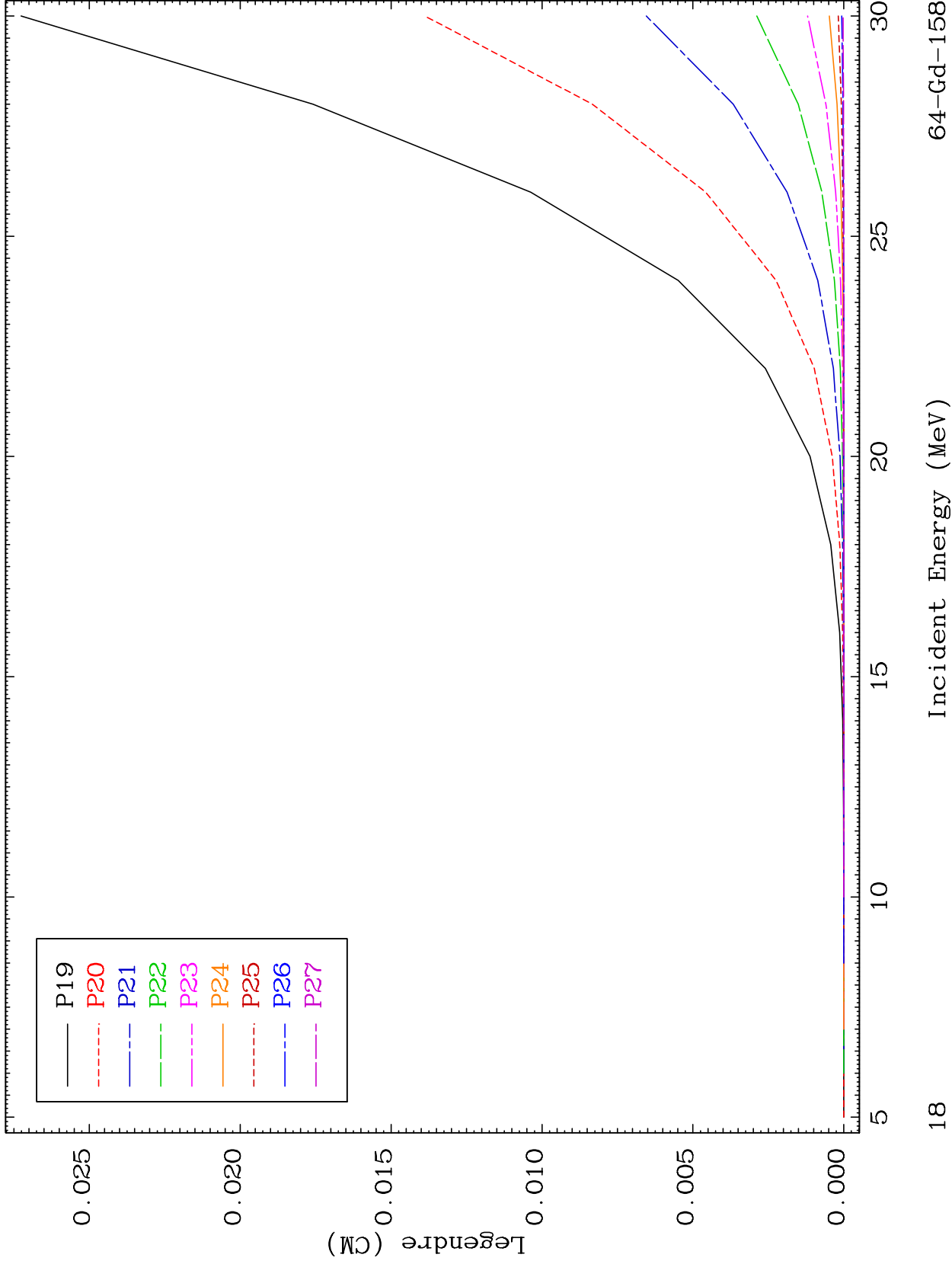
Incident Energy (MeV)

64-Gd-158

MAT 6443

### Elastic Legendre Coefficients

64-Gd-158



18

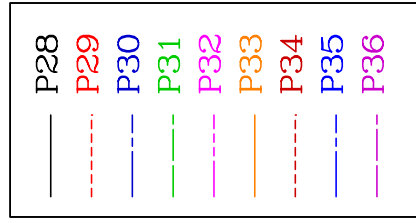
Incident Energy (MeV)

64-Gd-158

MAT 6443

Elastic  
Legendre Coefficients

64-Gd-158



$\times 10^{-68}$

Legendre (CM)

6

4

2

0

15

20

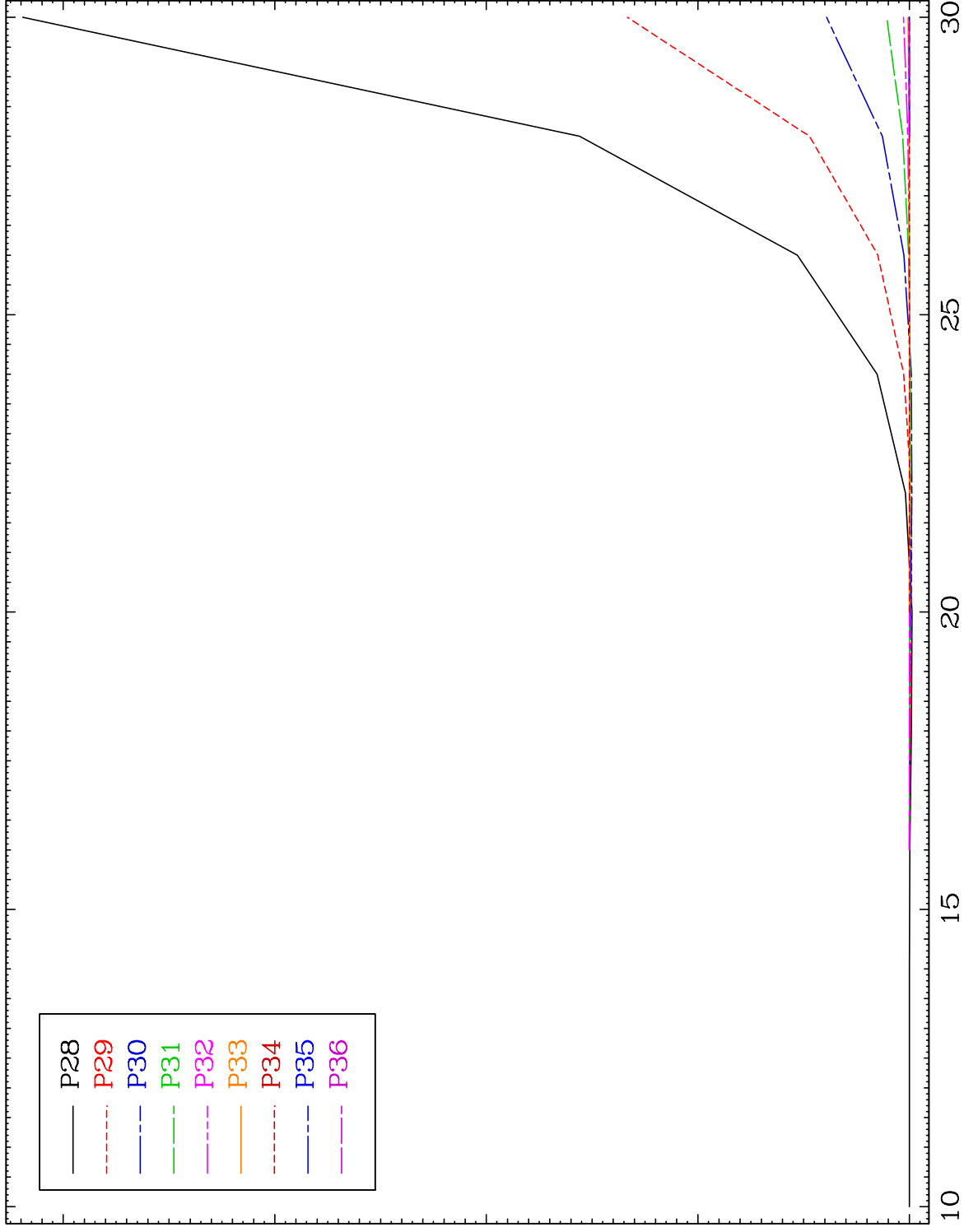
25

30

19

Incident Energy (MeV)

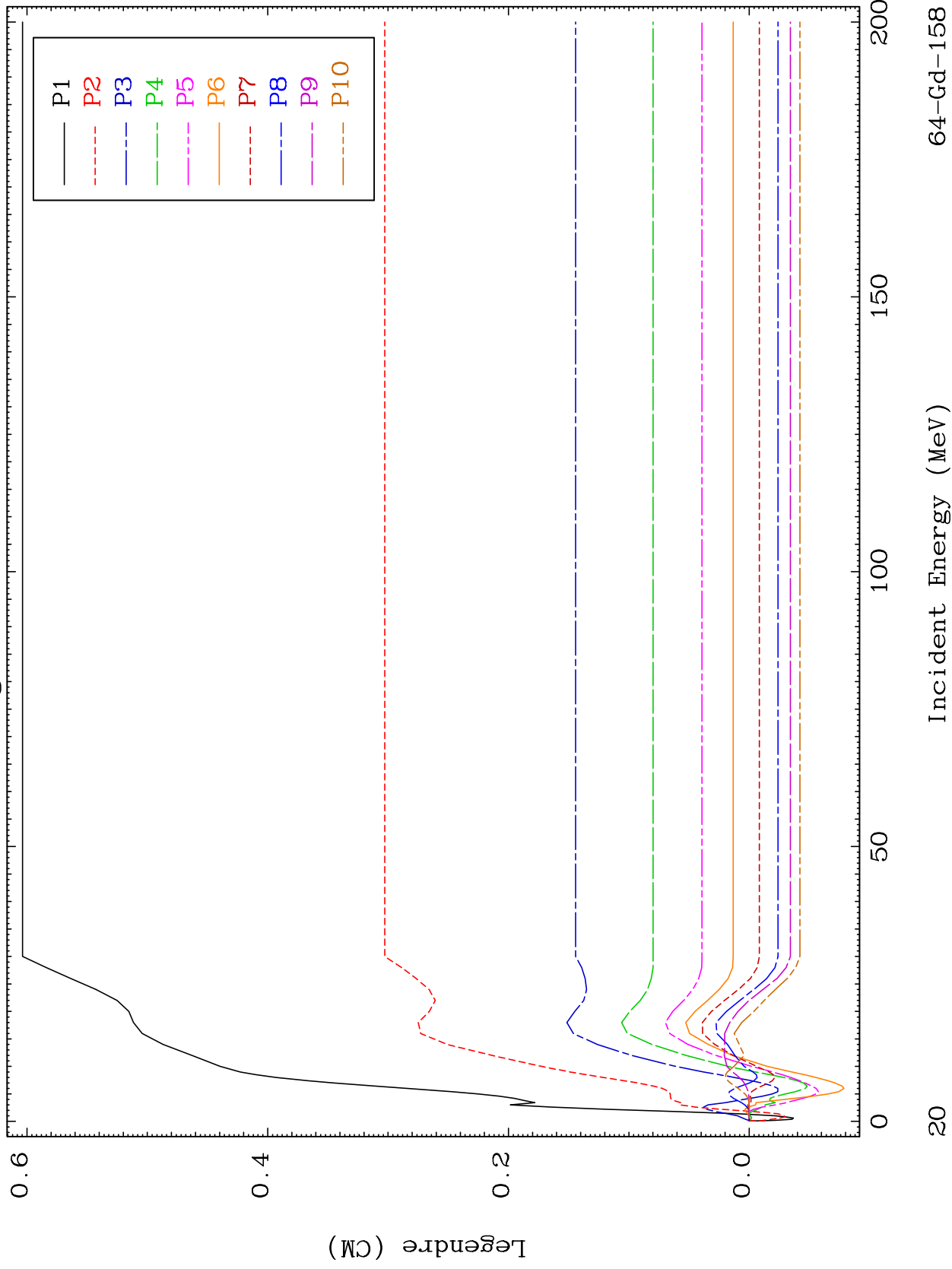
64-Gd-158



MAT 6443

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

64-Gd-158



64-Gd-158

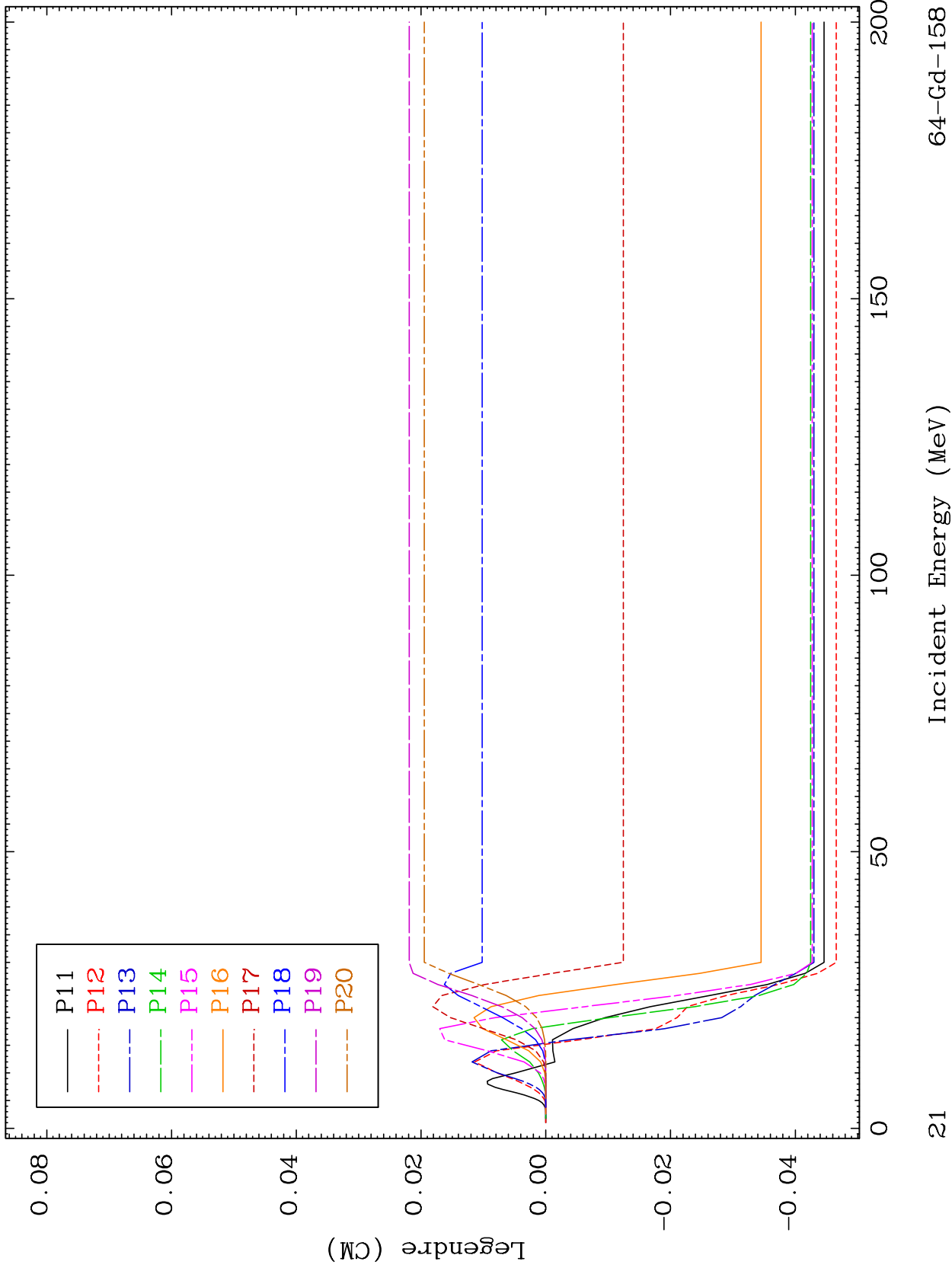
Incident Energy (MeV)

20

MAT 6443

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

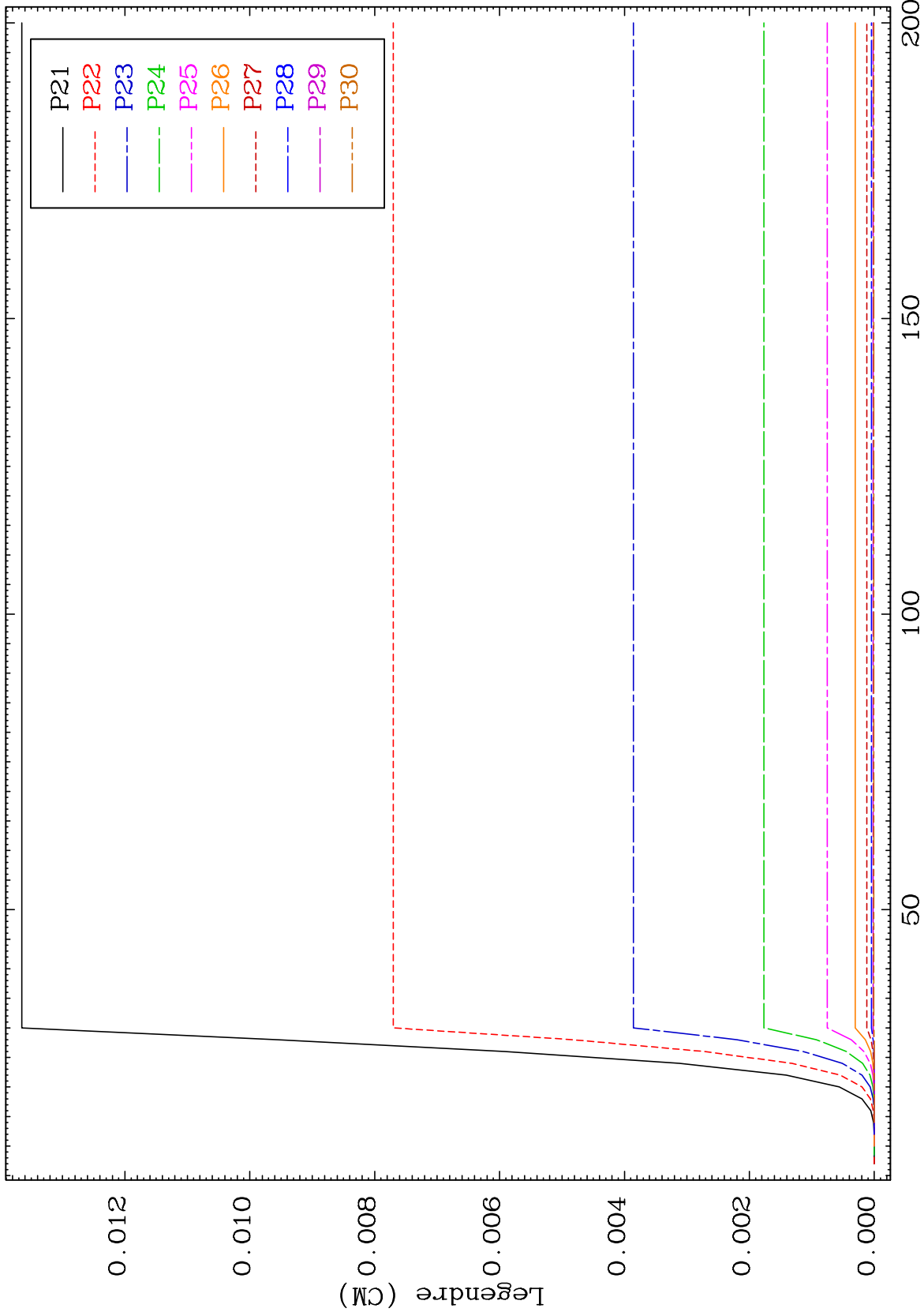
64-Gd-158



MAT 6443

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

64-Gd-158



22

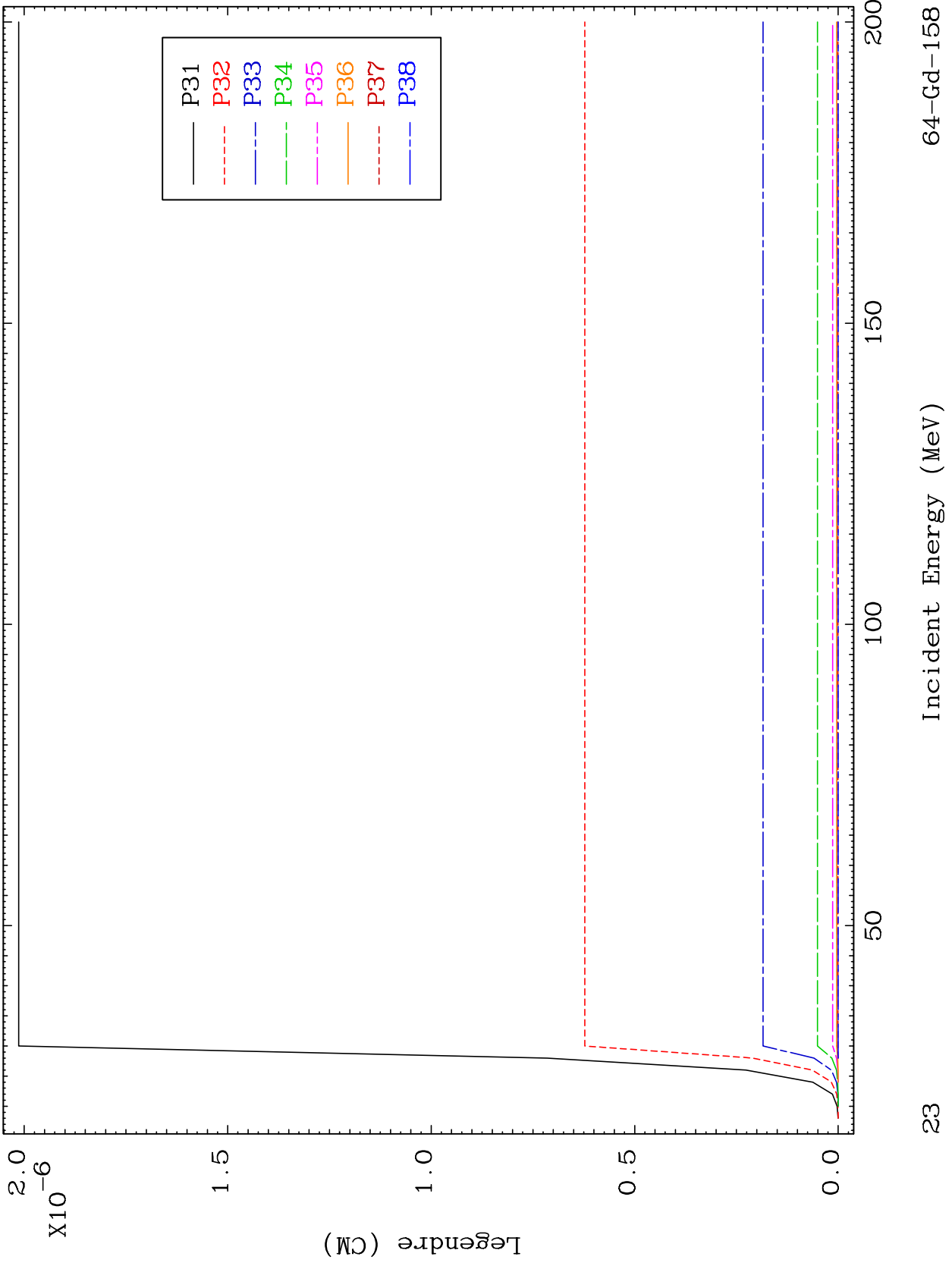
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



23

Incident Energy (MeV)

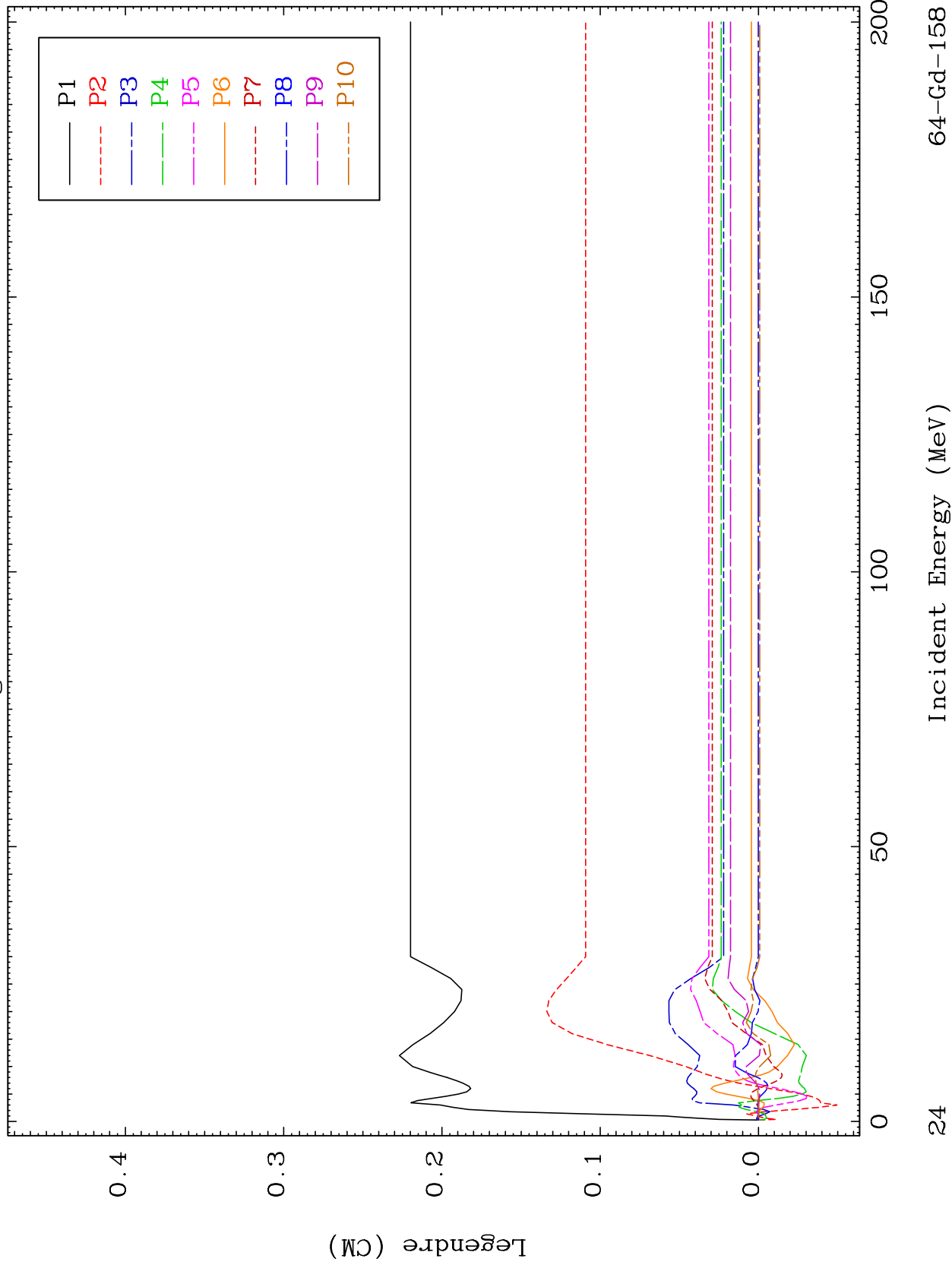
64-Gd-158



MAT 6443

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

64-Gd-158



64-Gd-158

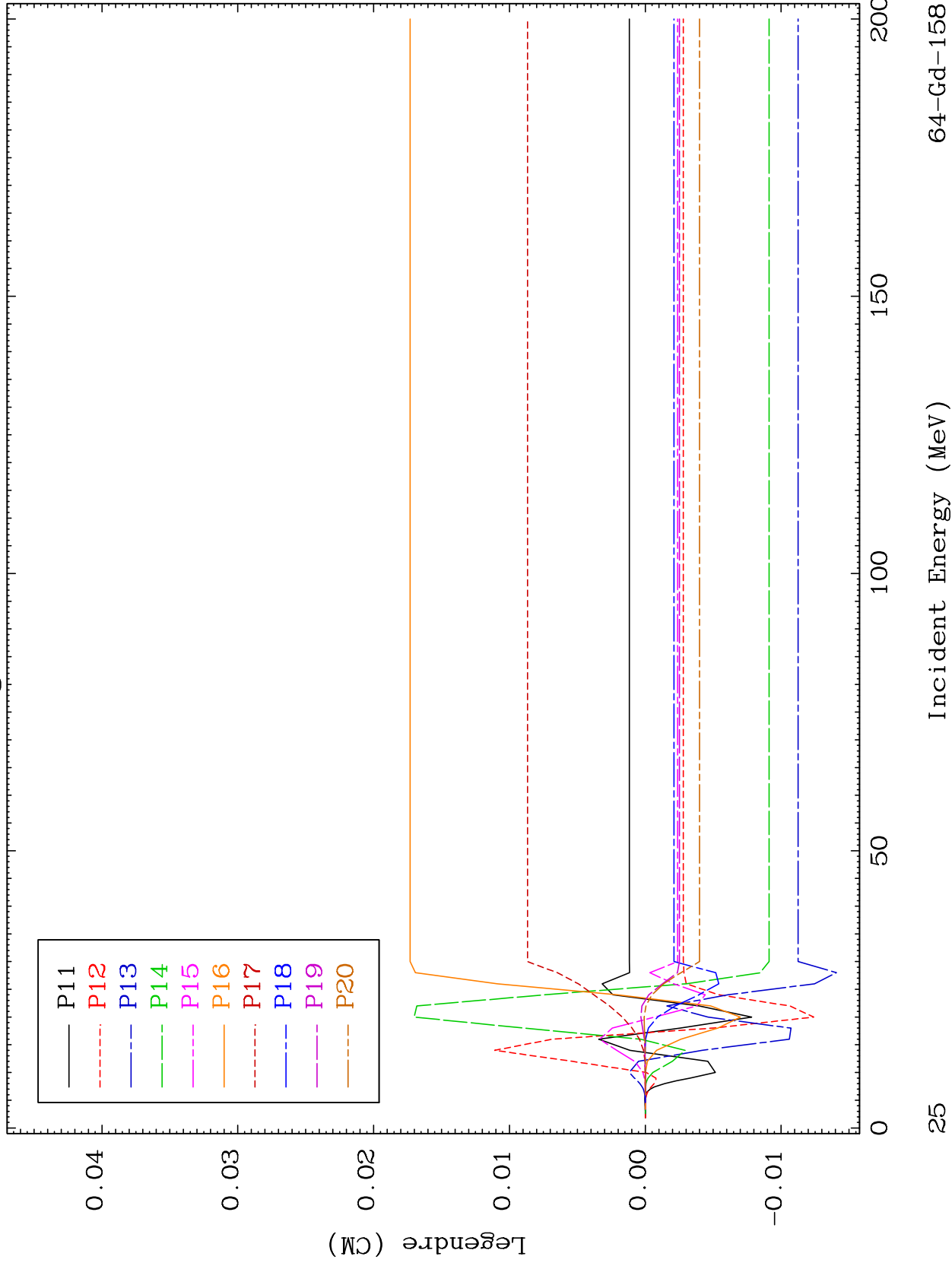
Incident Energy (MeV)

24

MAT 6443

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

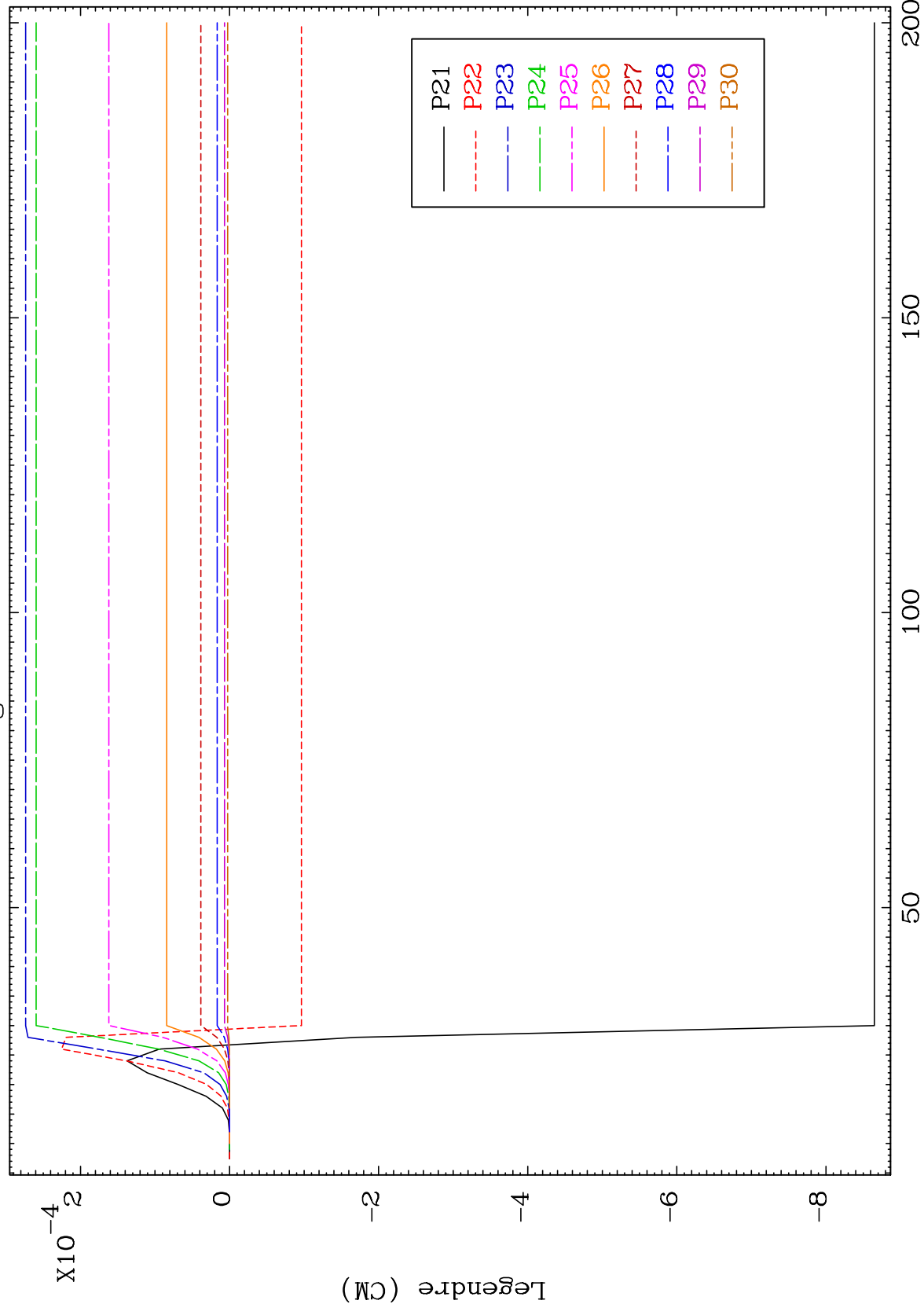
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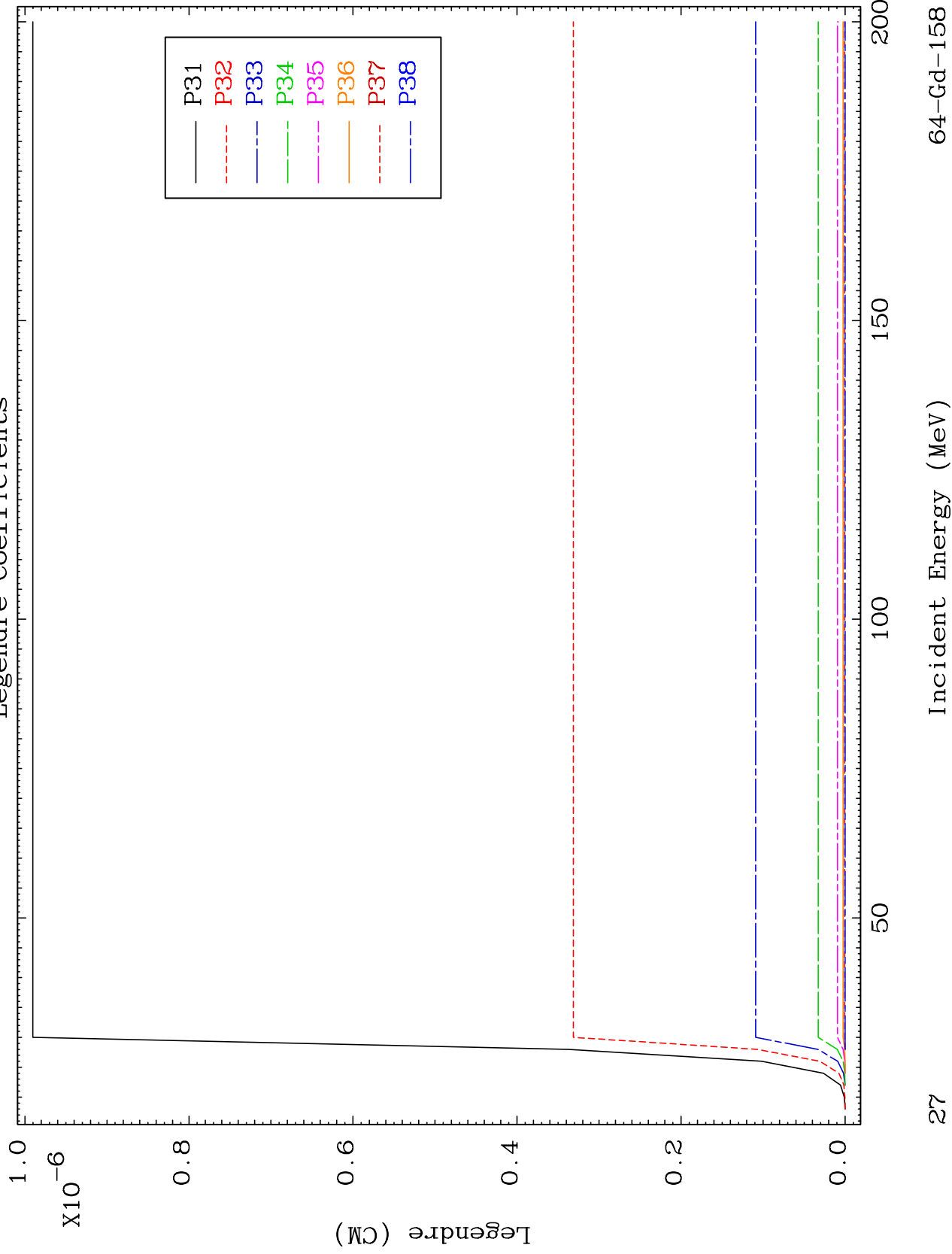


25

Incident Energy (MeV)

64-Gd-158

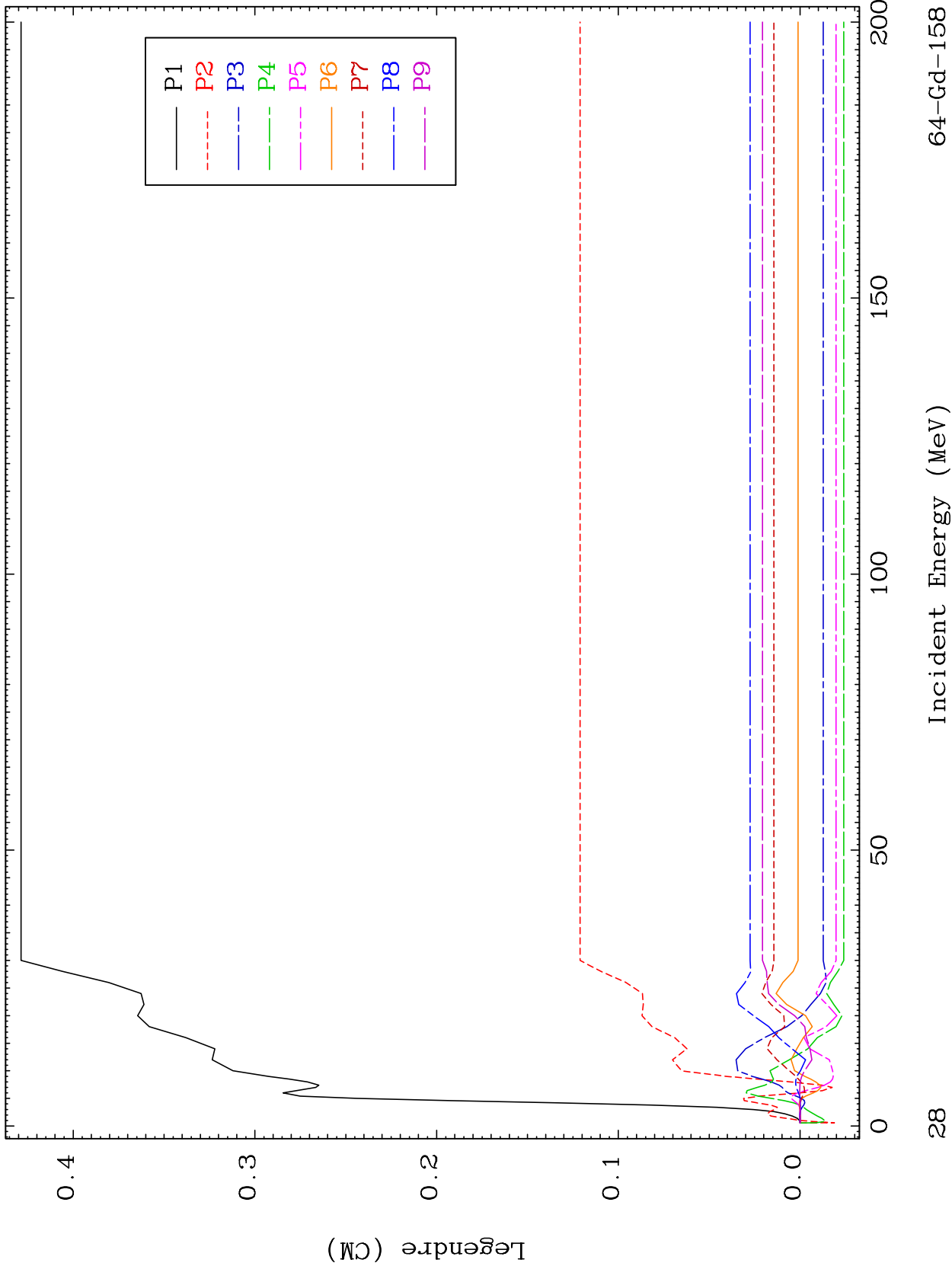




MAT 6443

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

64-Gd-158



64-Gd-158

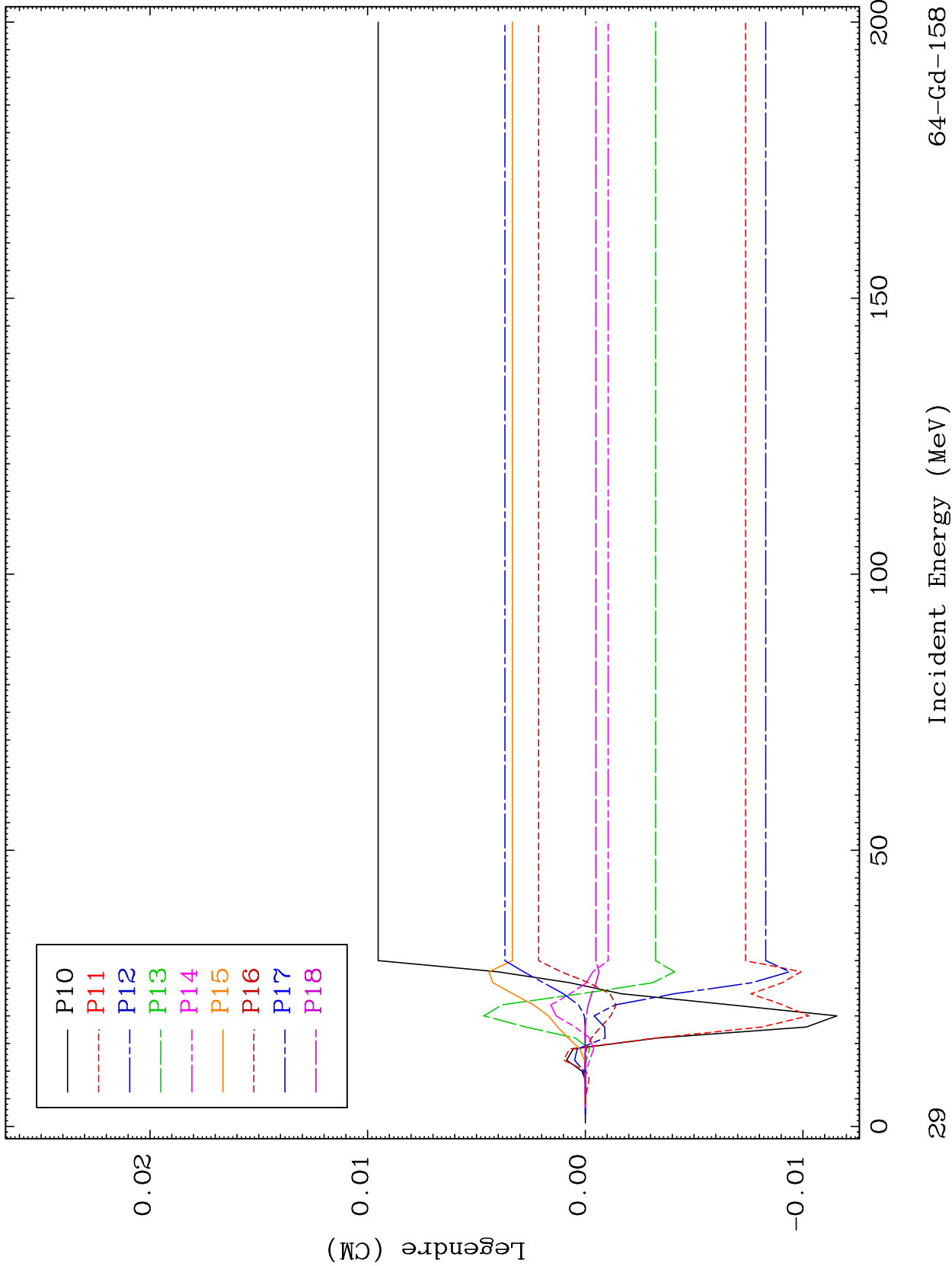
Incident Energy (MeV)

28

MAT 6443

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

64-Gd-158



29

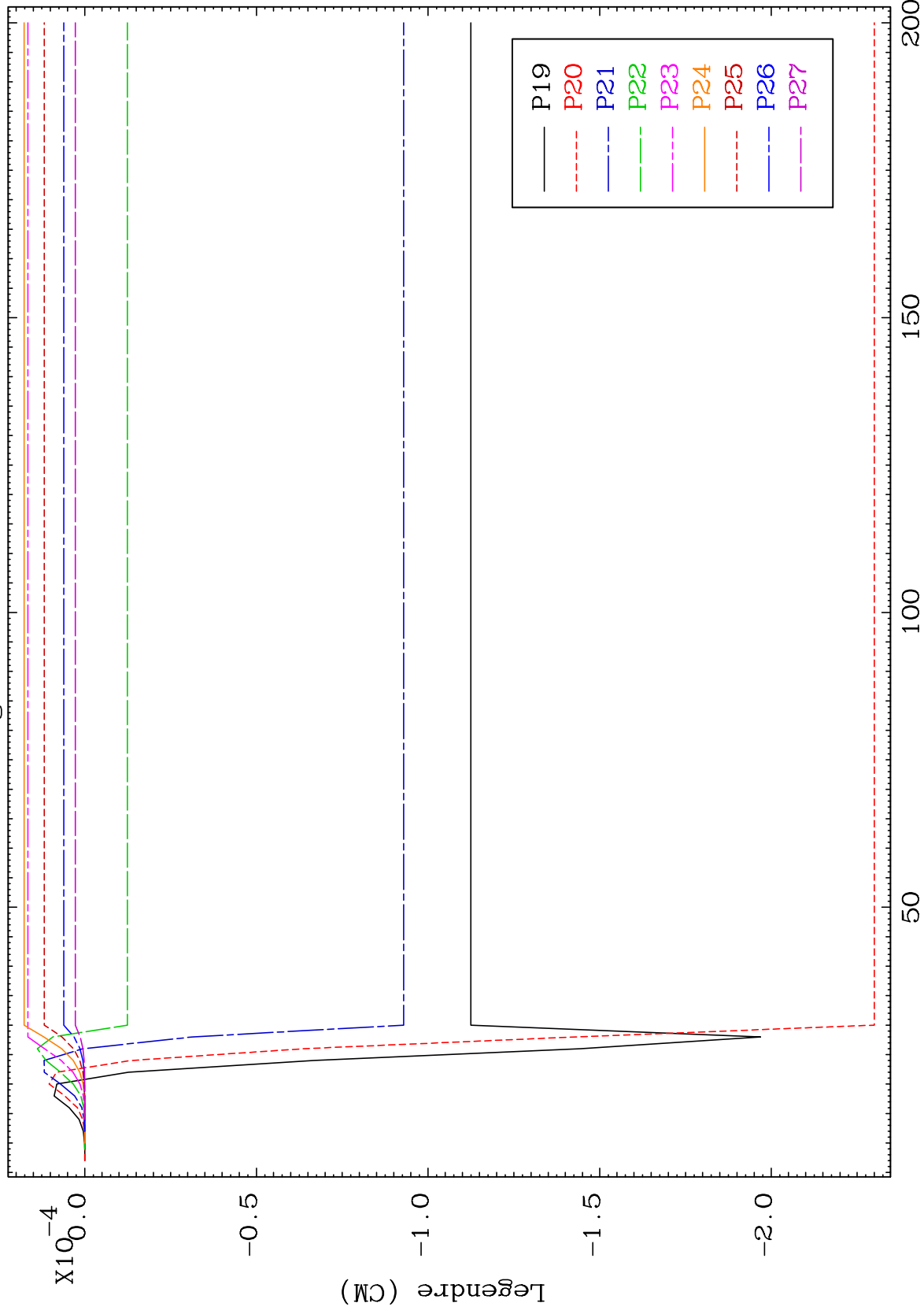
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



30

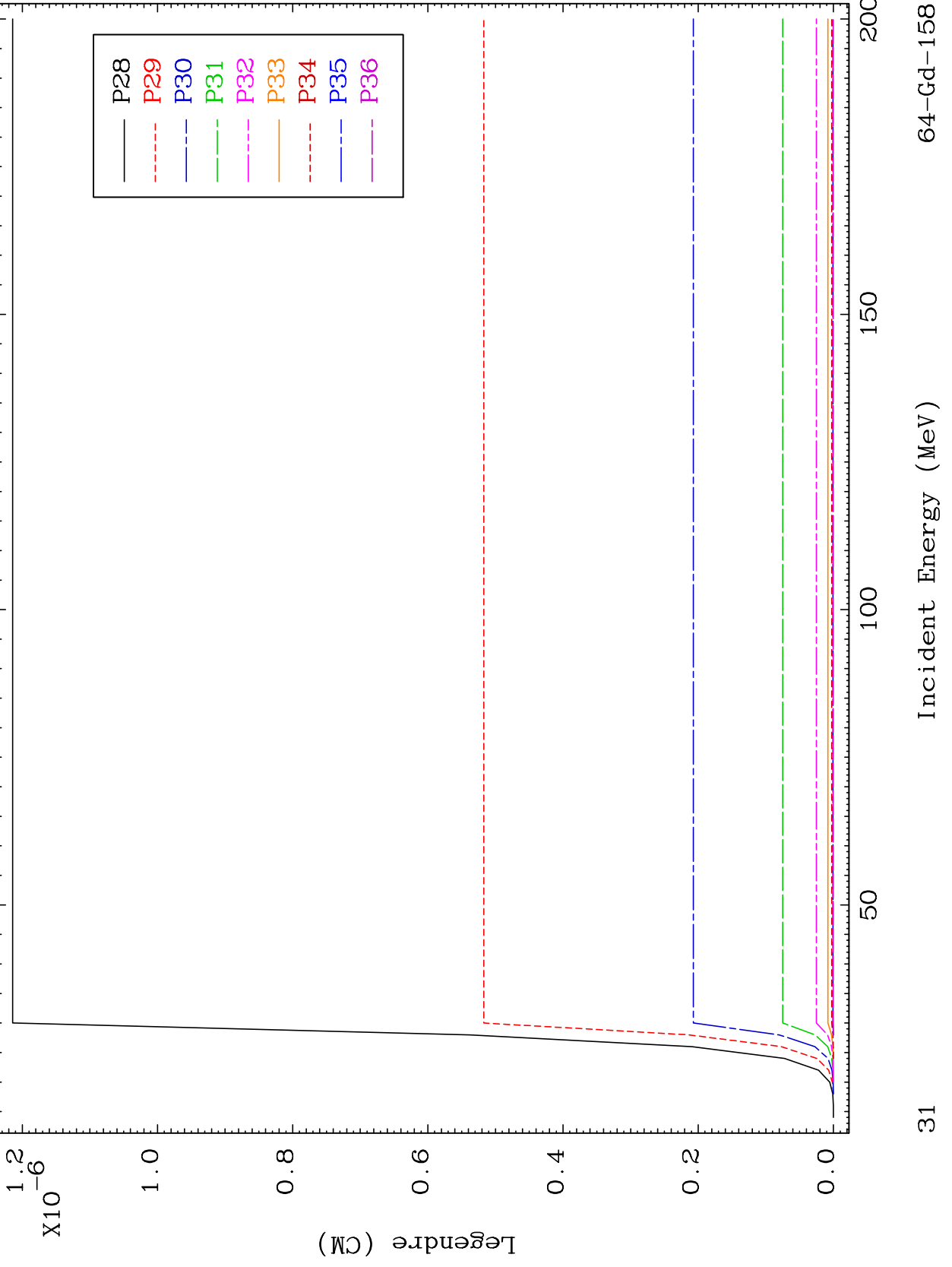
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



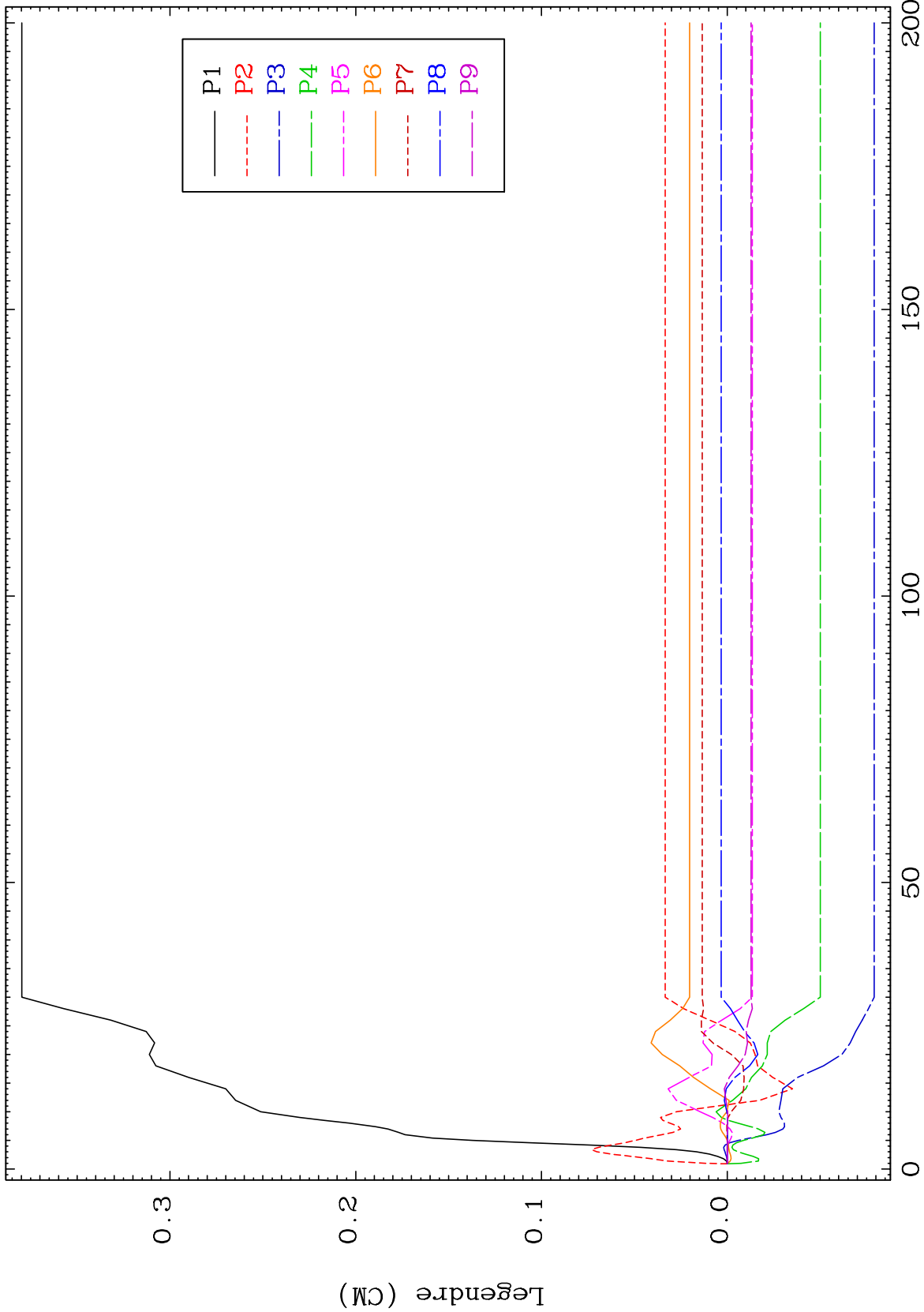
31



MAT 6443

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

64-Gd-158



32

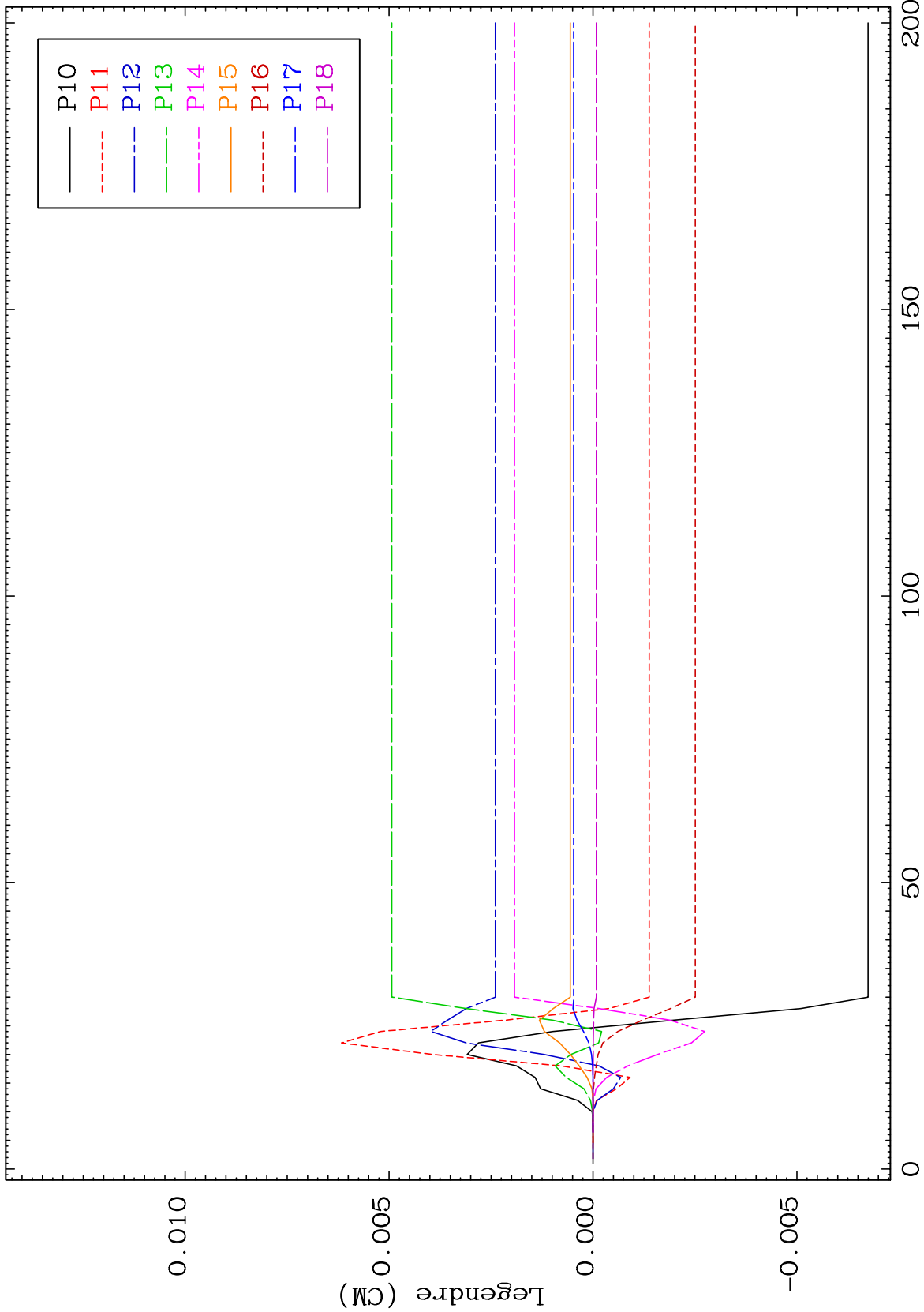
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

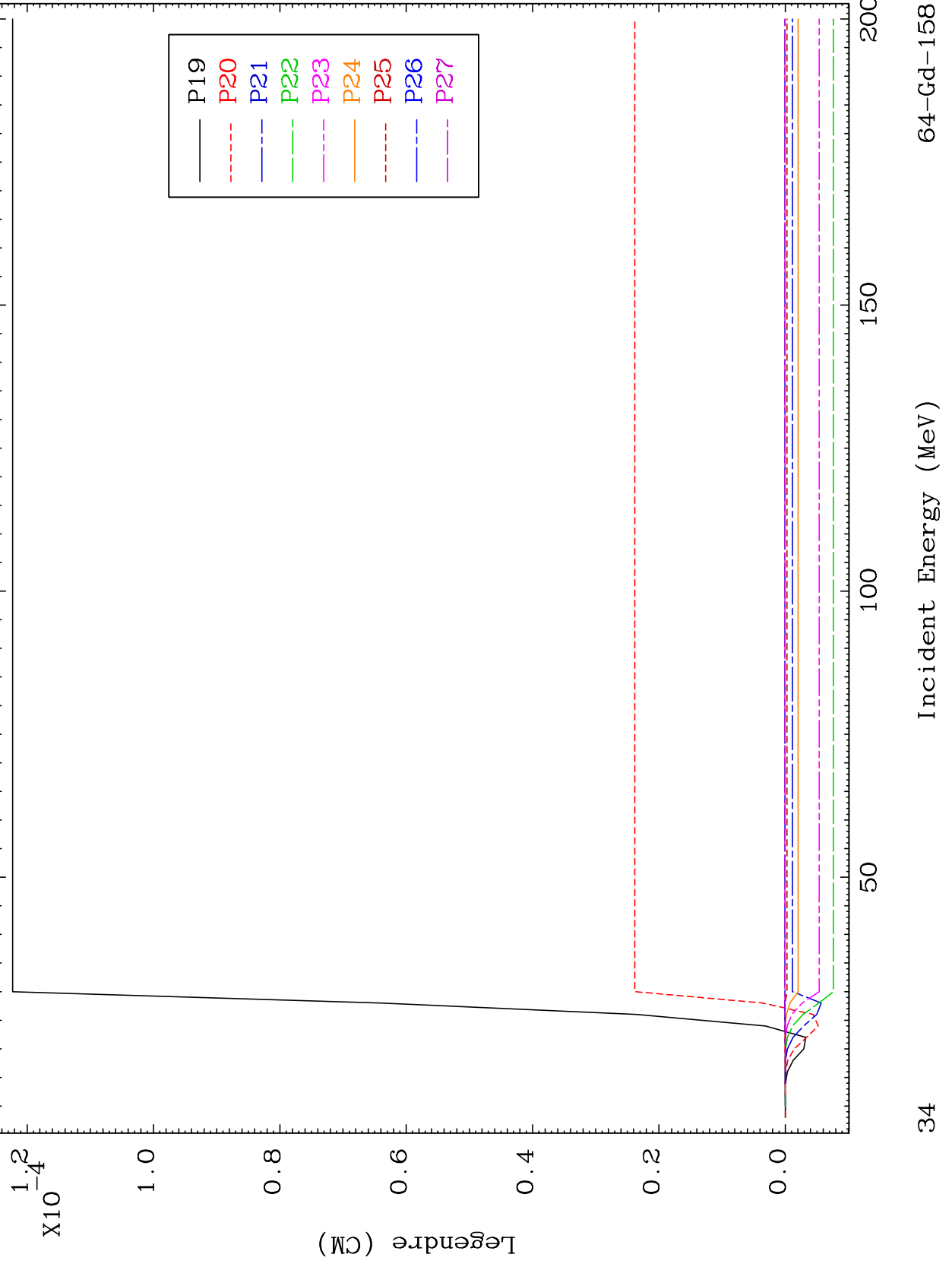
64-Gd-158



MAT 6443

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

64-Gd-158



34

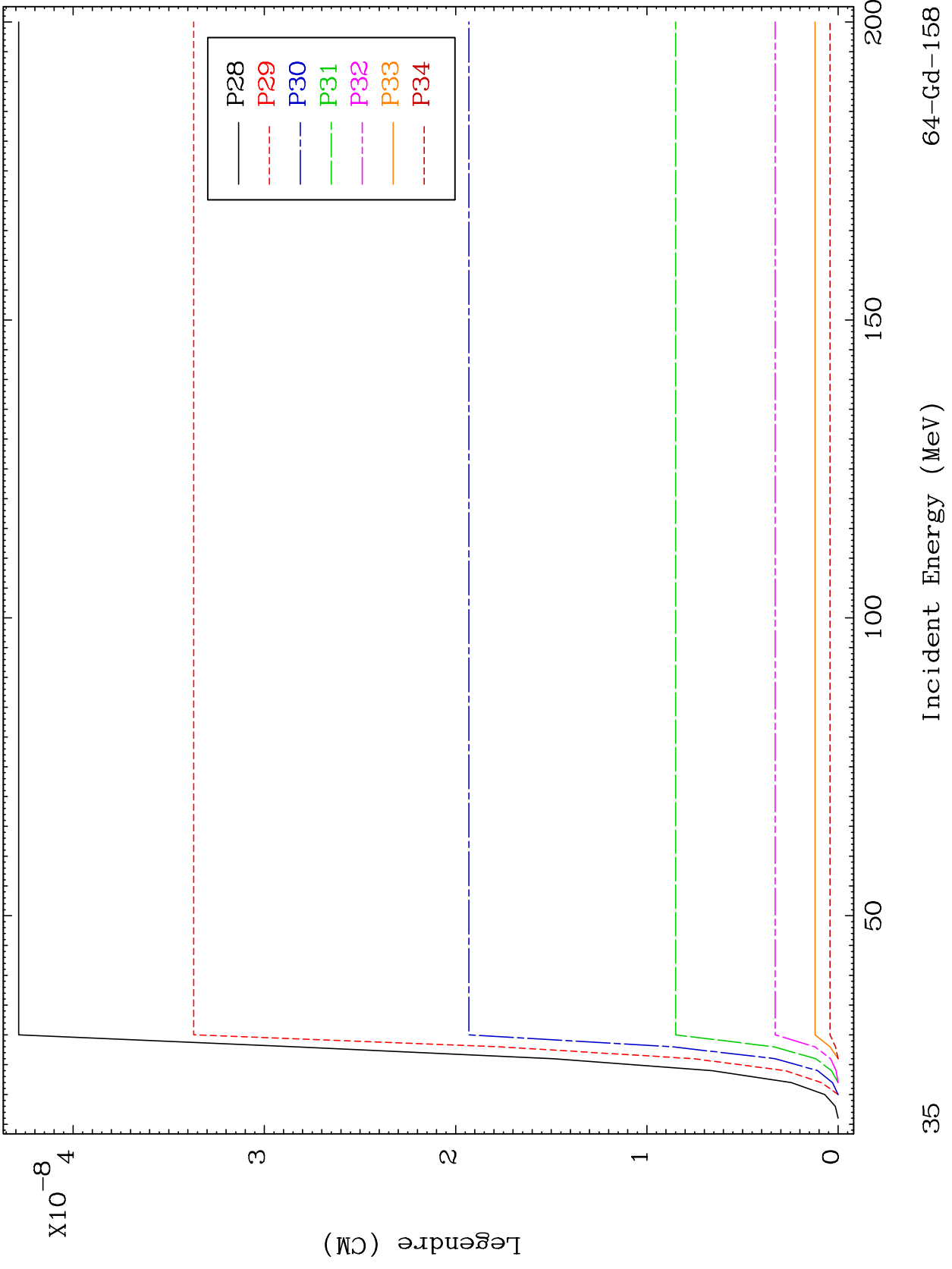
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

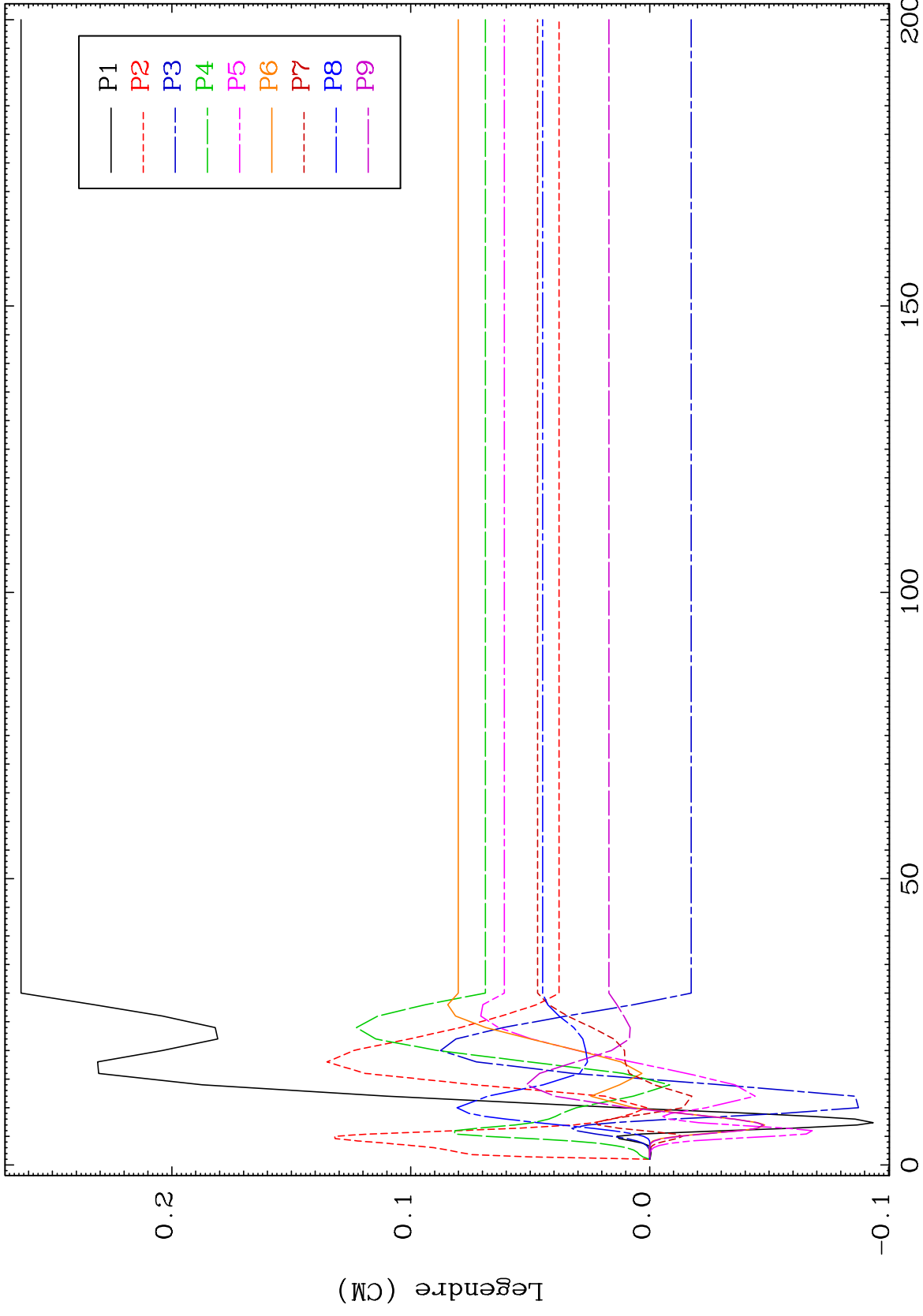
64-Gd-158



MAT 6443

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

64-Gd-158



36

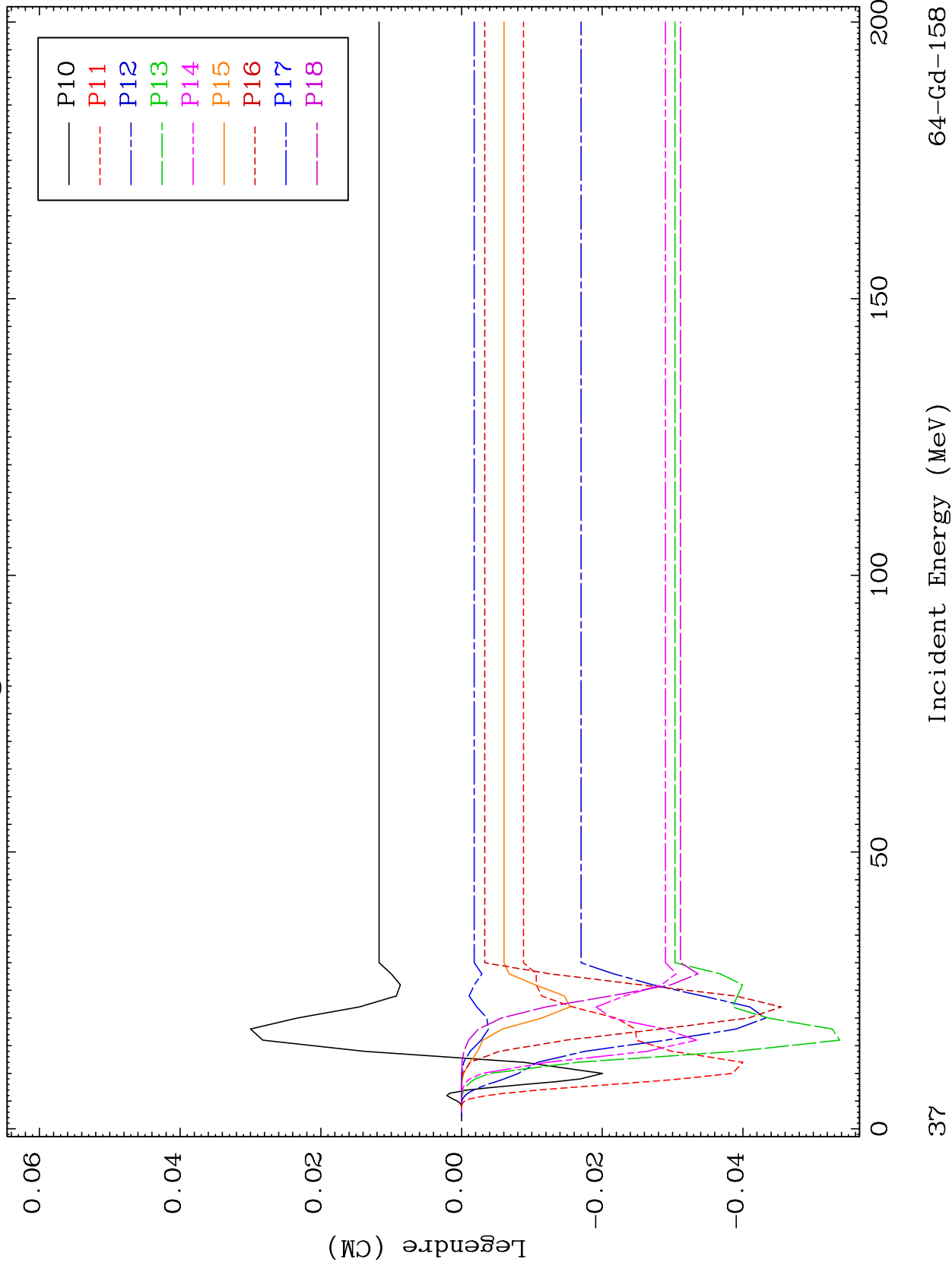
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



64-Gd-158

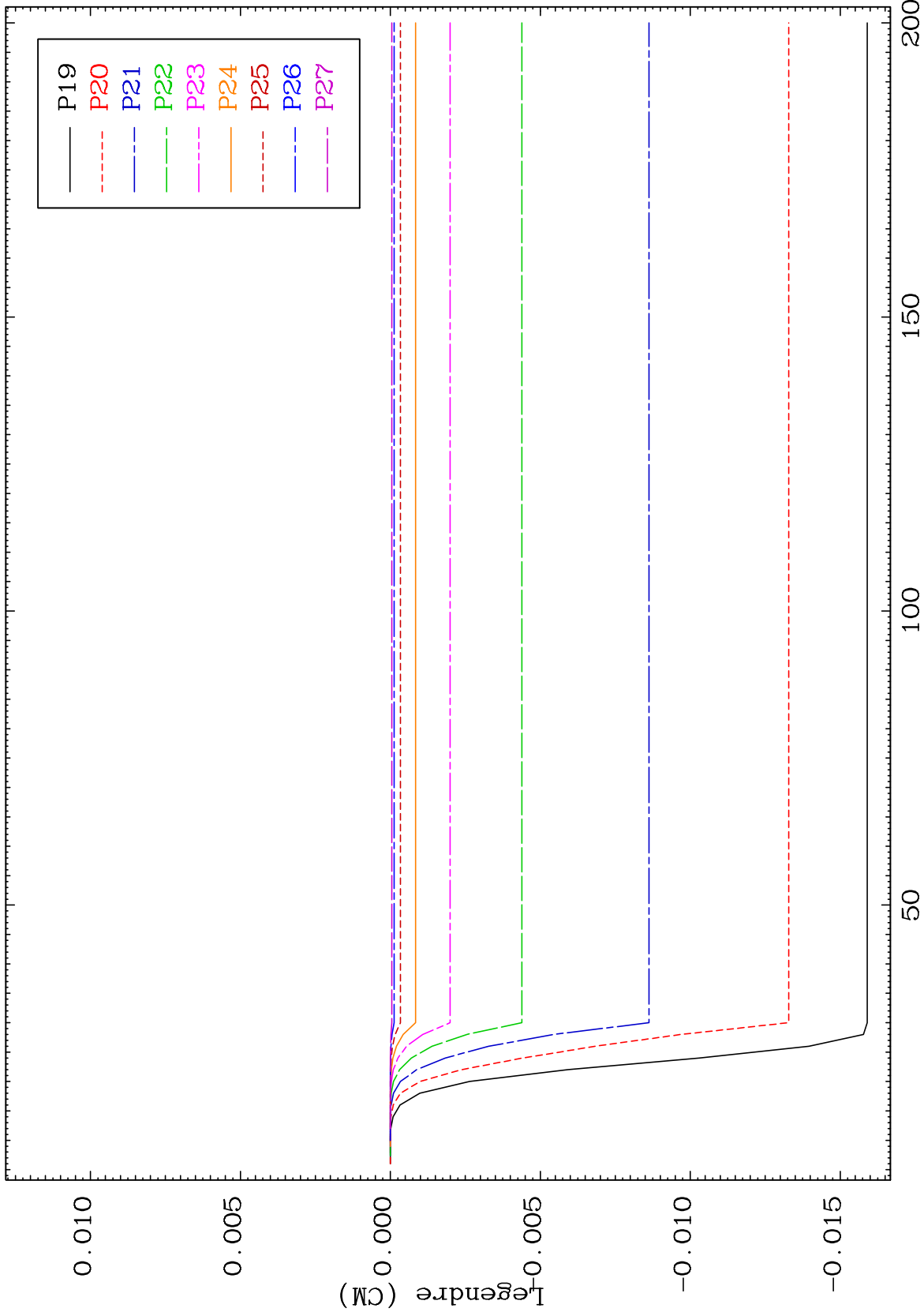
Incident Energy (MeV)

37

MAT 6443

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

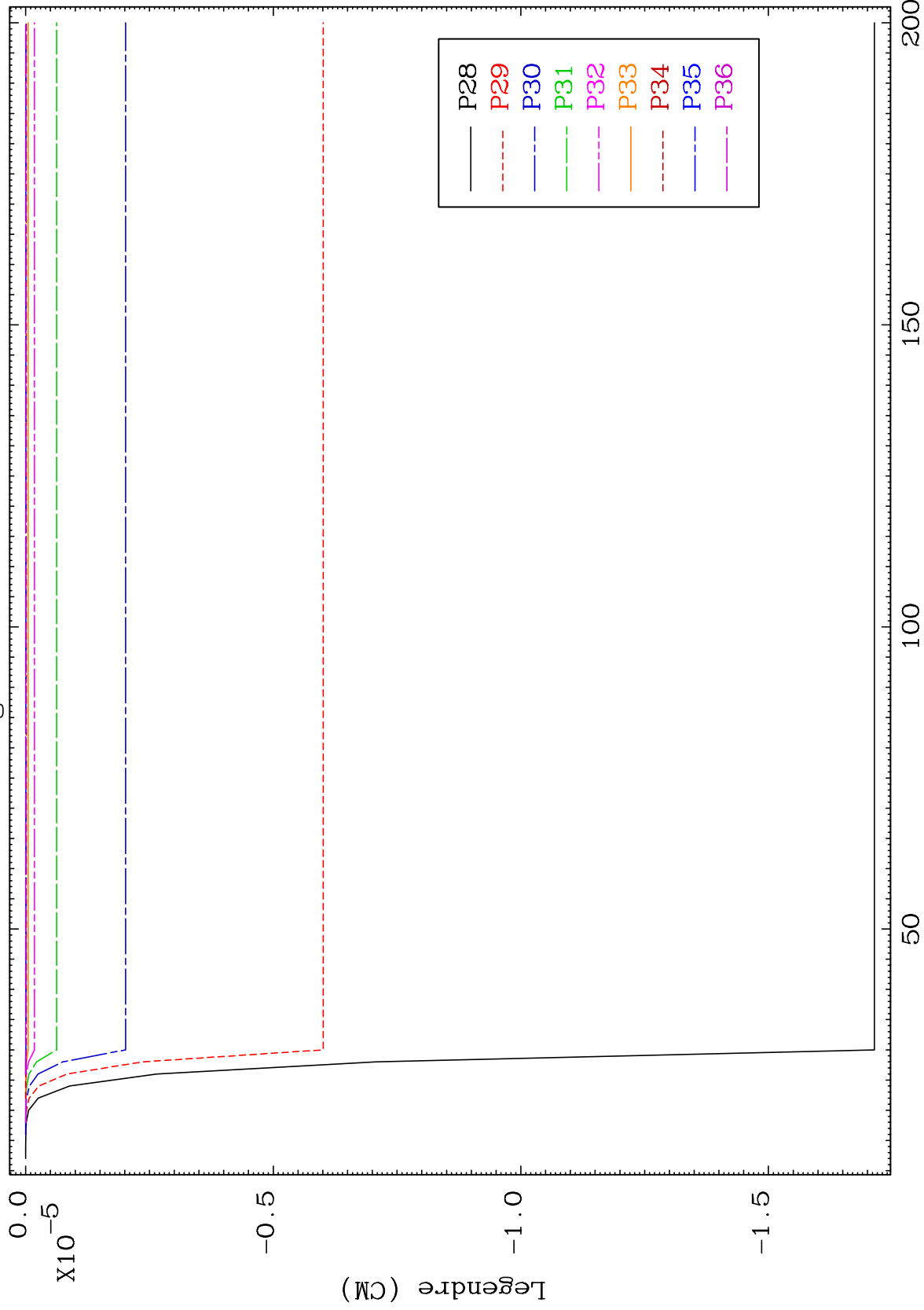
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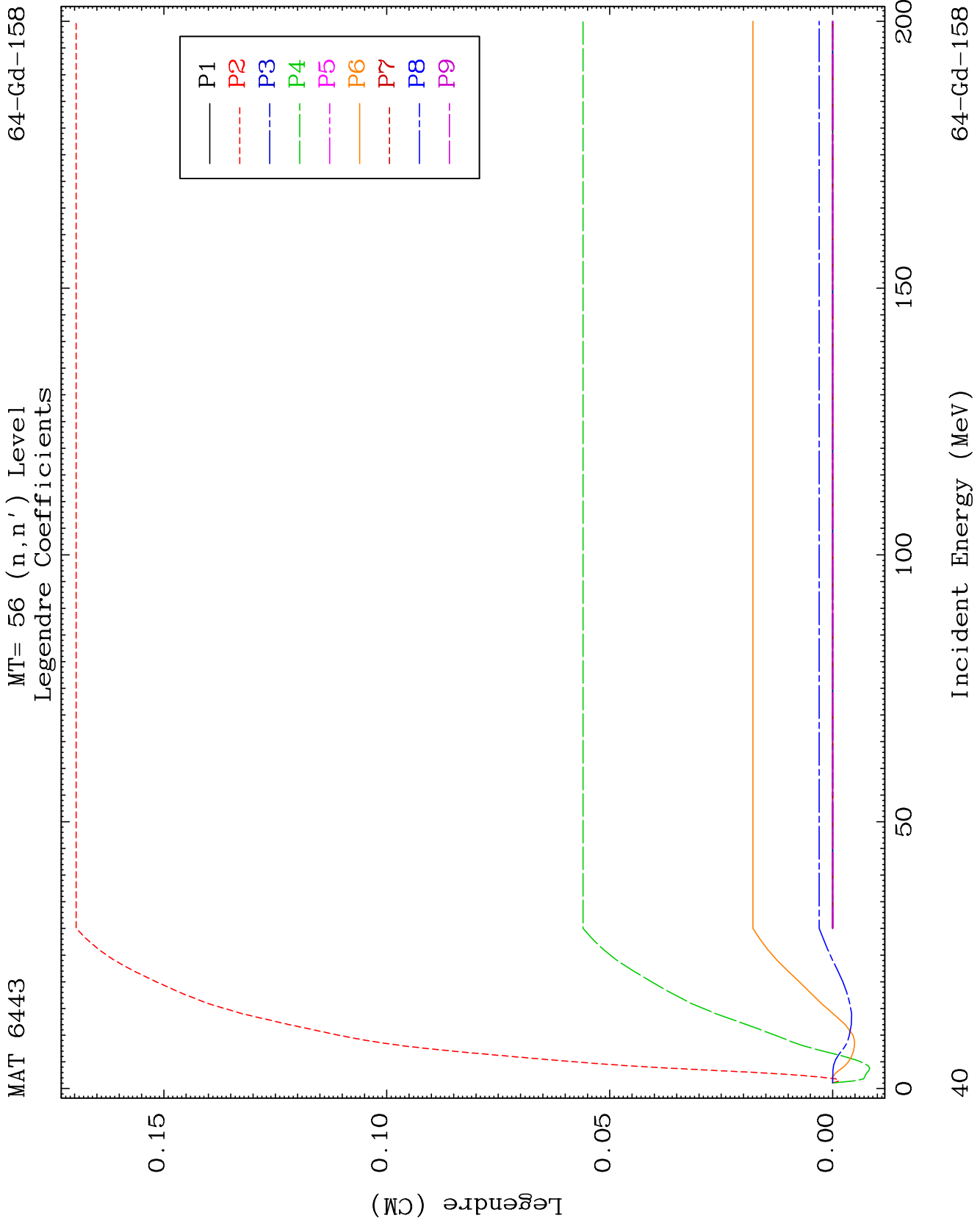
MAT 6443

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

64-Gd-158



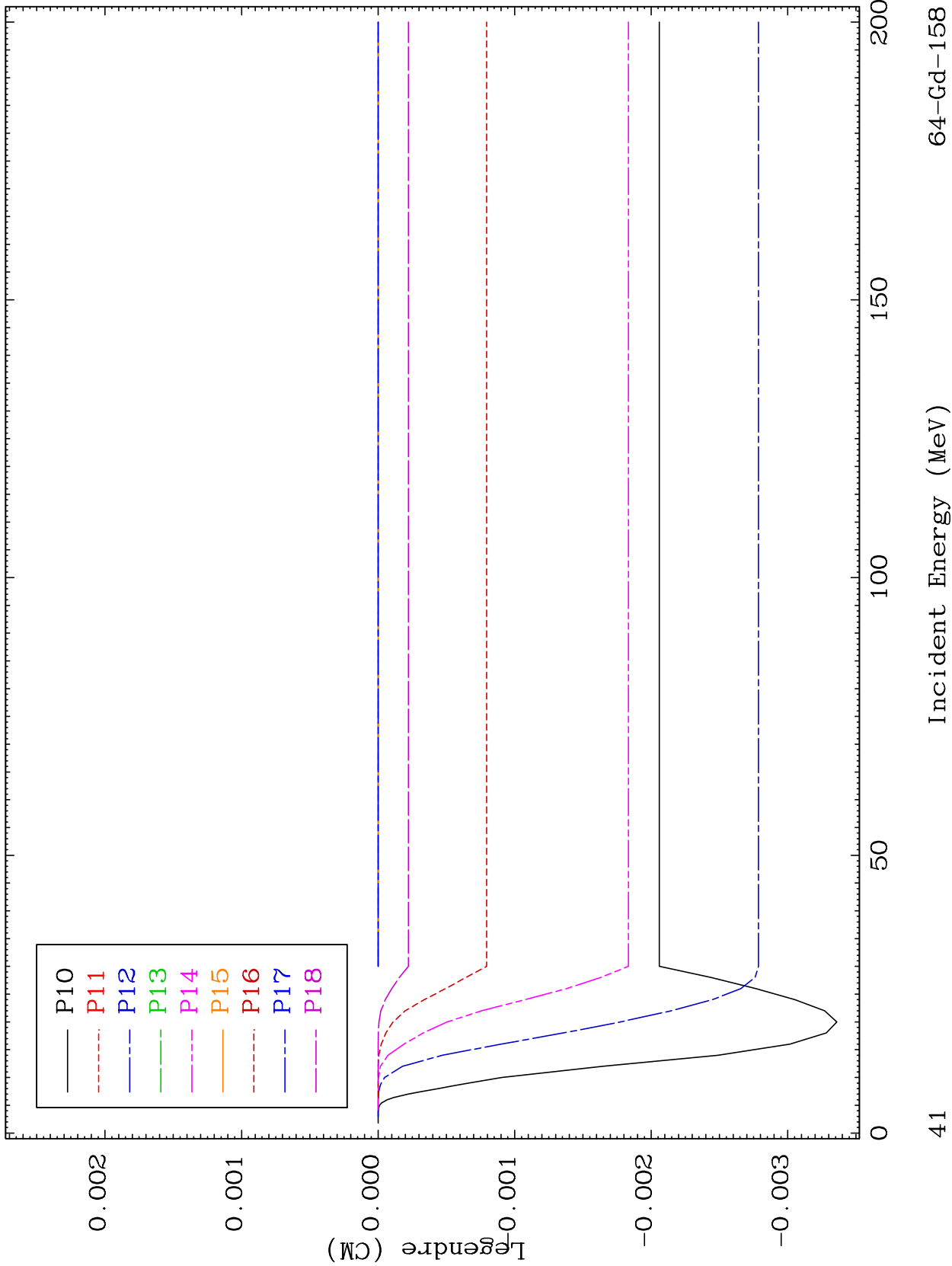




MAT 6443

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

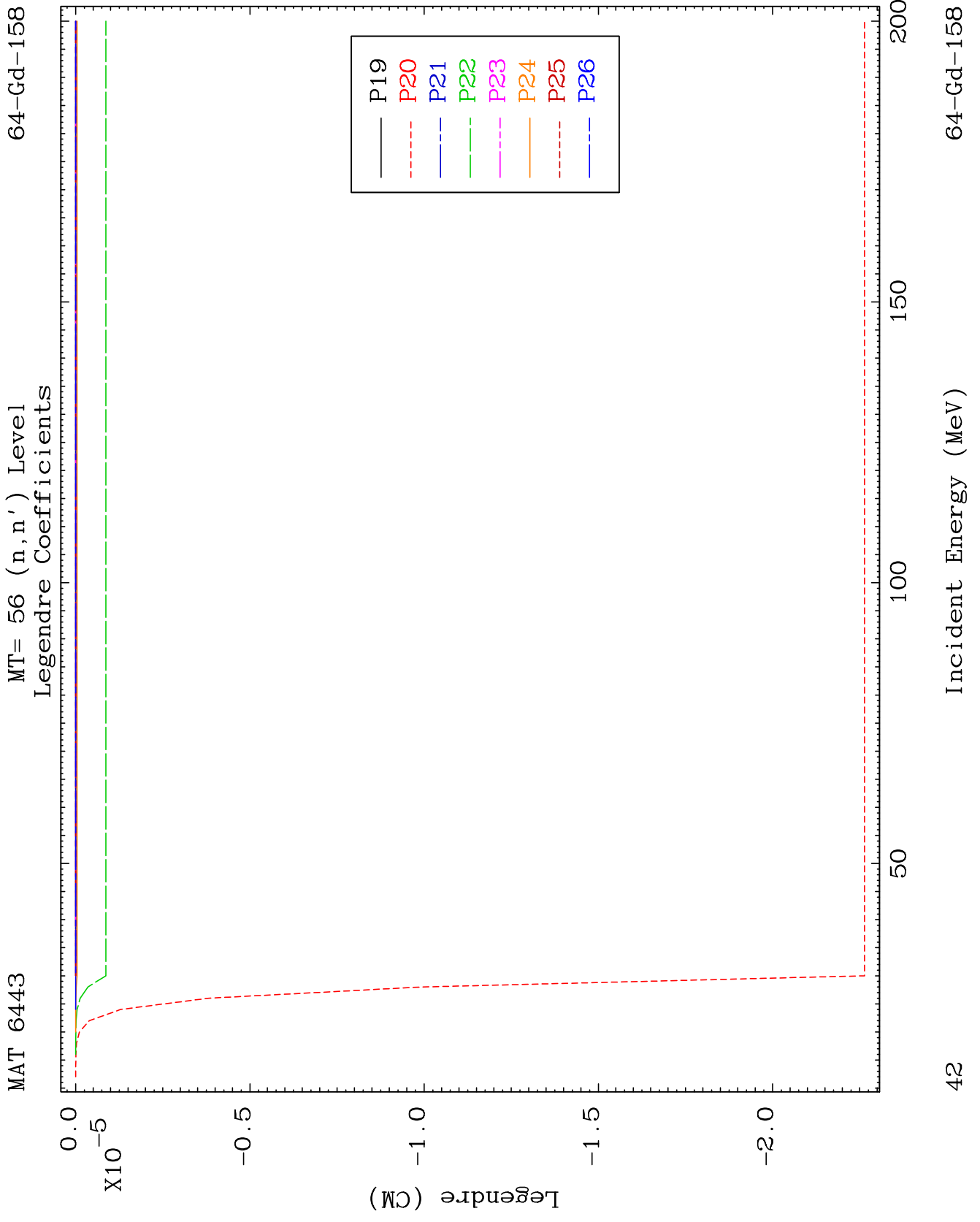
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41

Incident Energy (MeV)

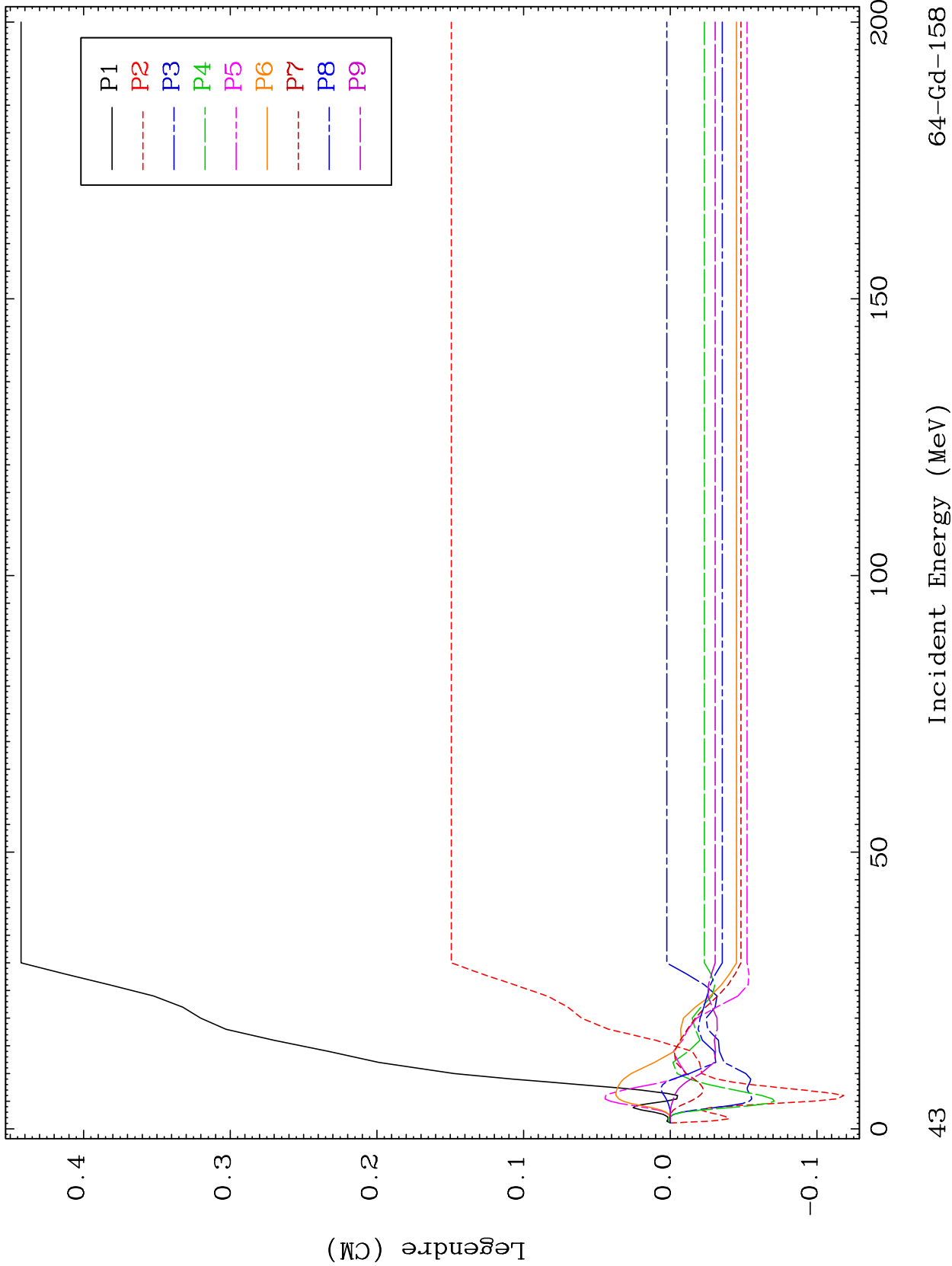
64-Gd-158



MAT 6443

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

64-Gd-158



64-Gd-158

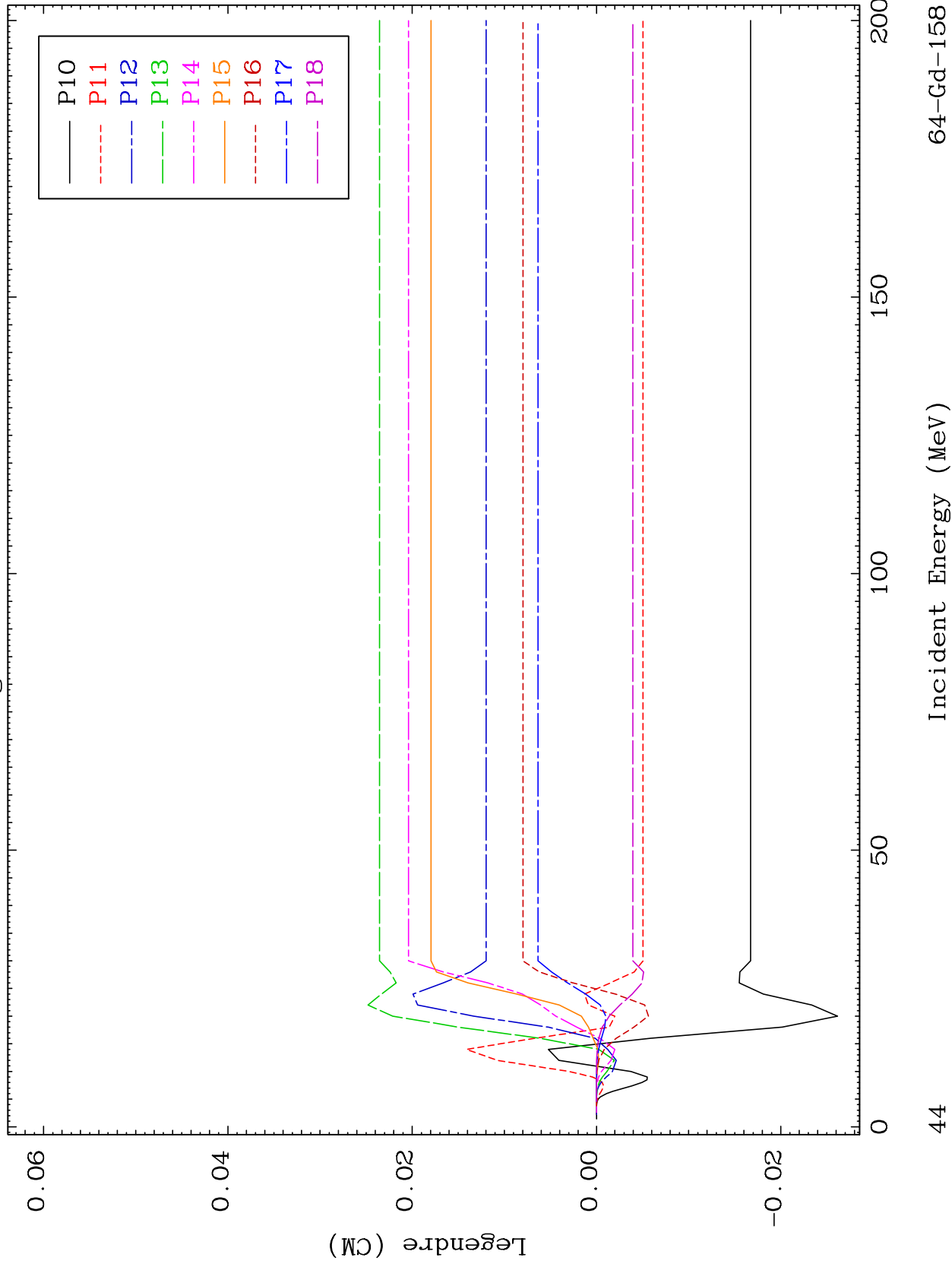
Incident Energy (MeV)

43

MAT 6443

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

64-Gd-158



64-Gd-158

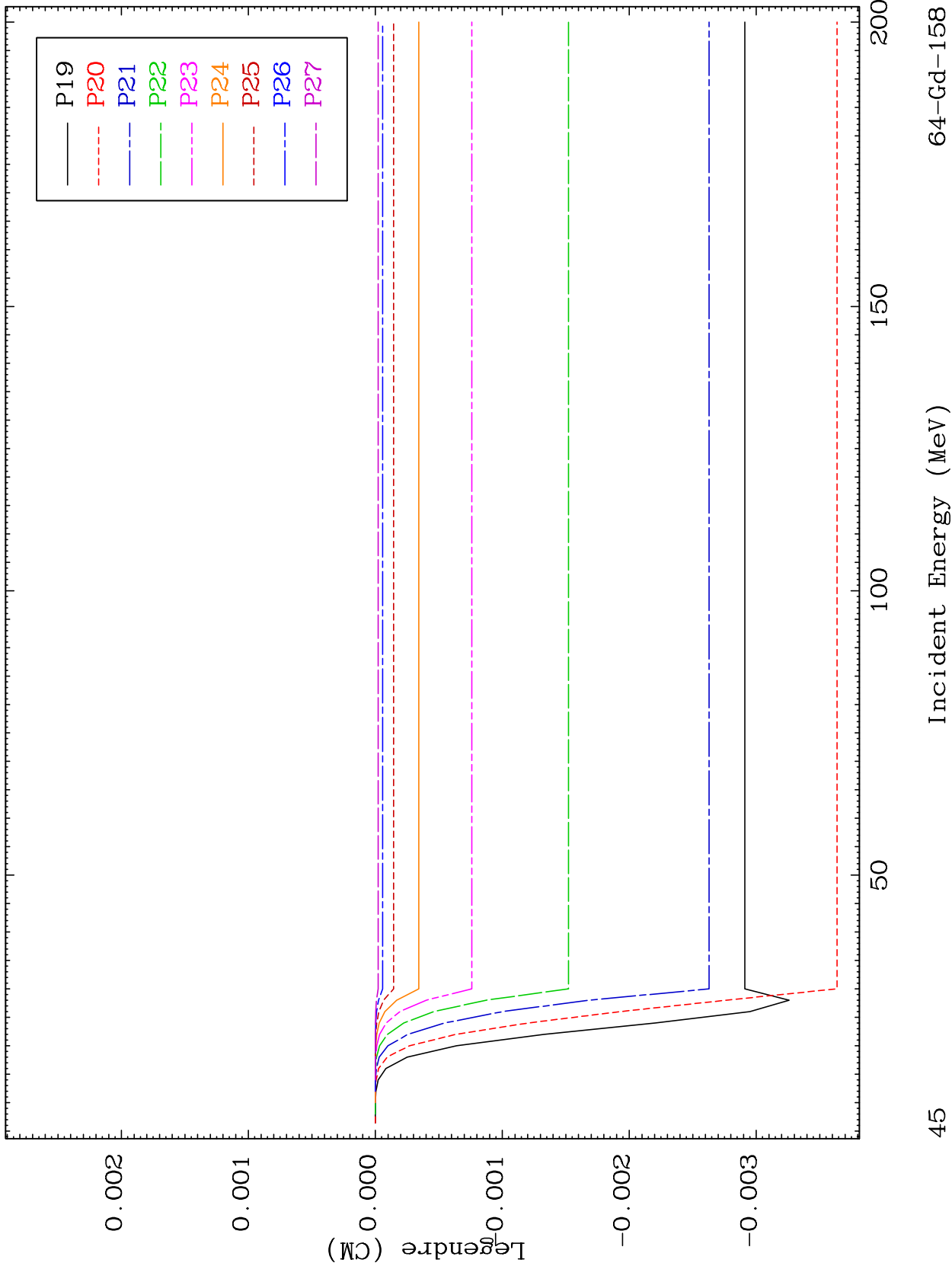
Incident Energy (MeV)

44

MAT 6443

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

64-Gd-158



45

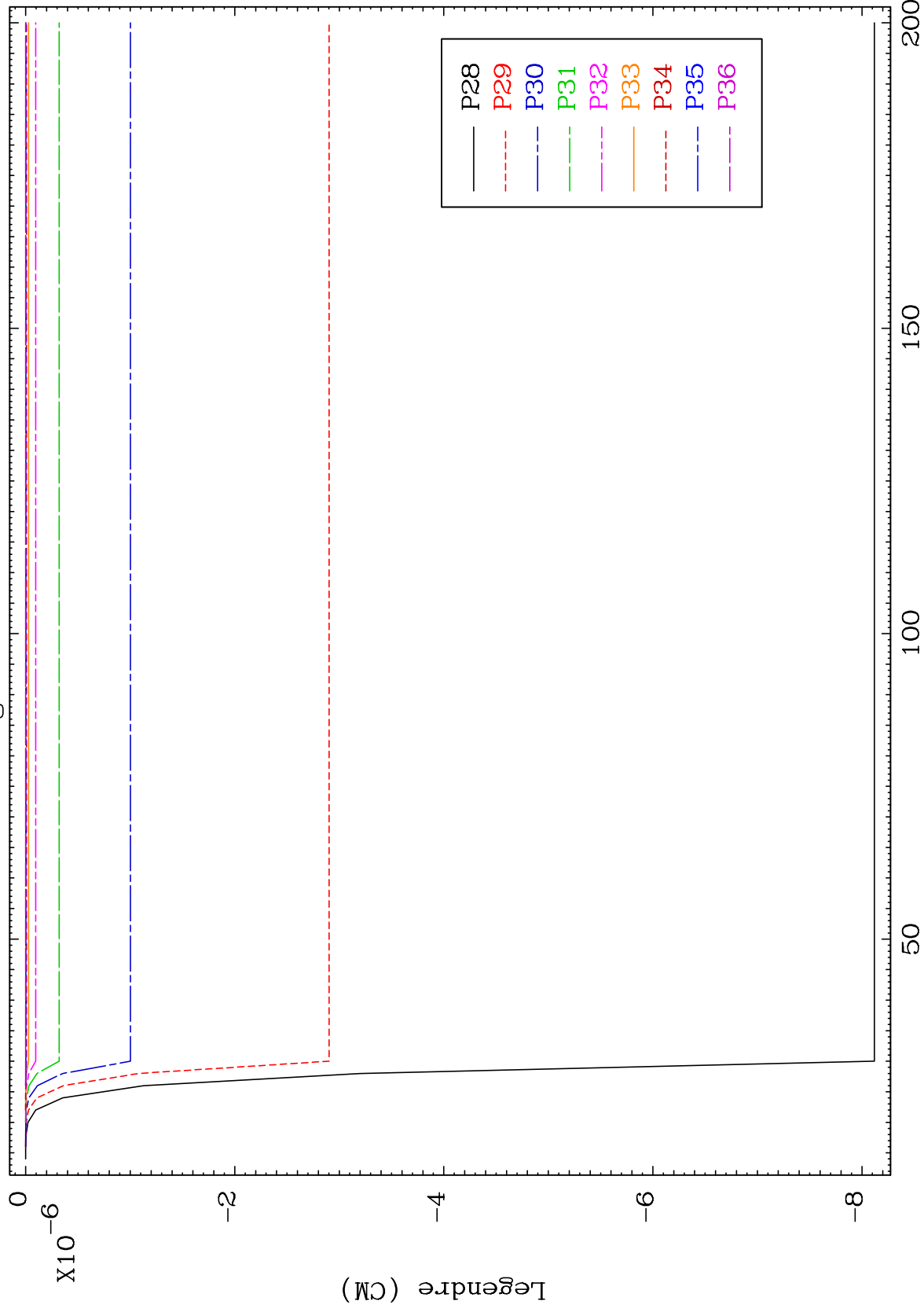
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



46

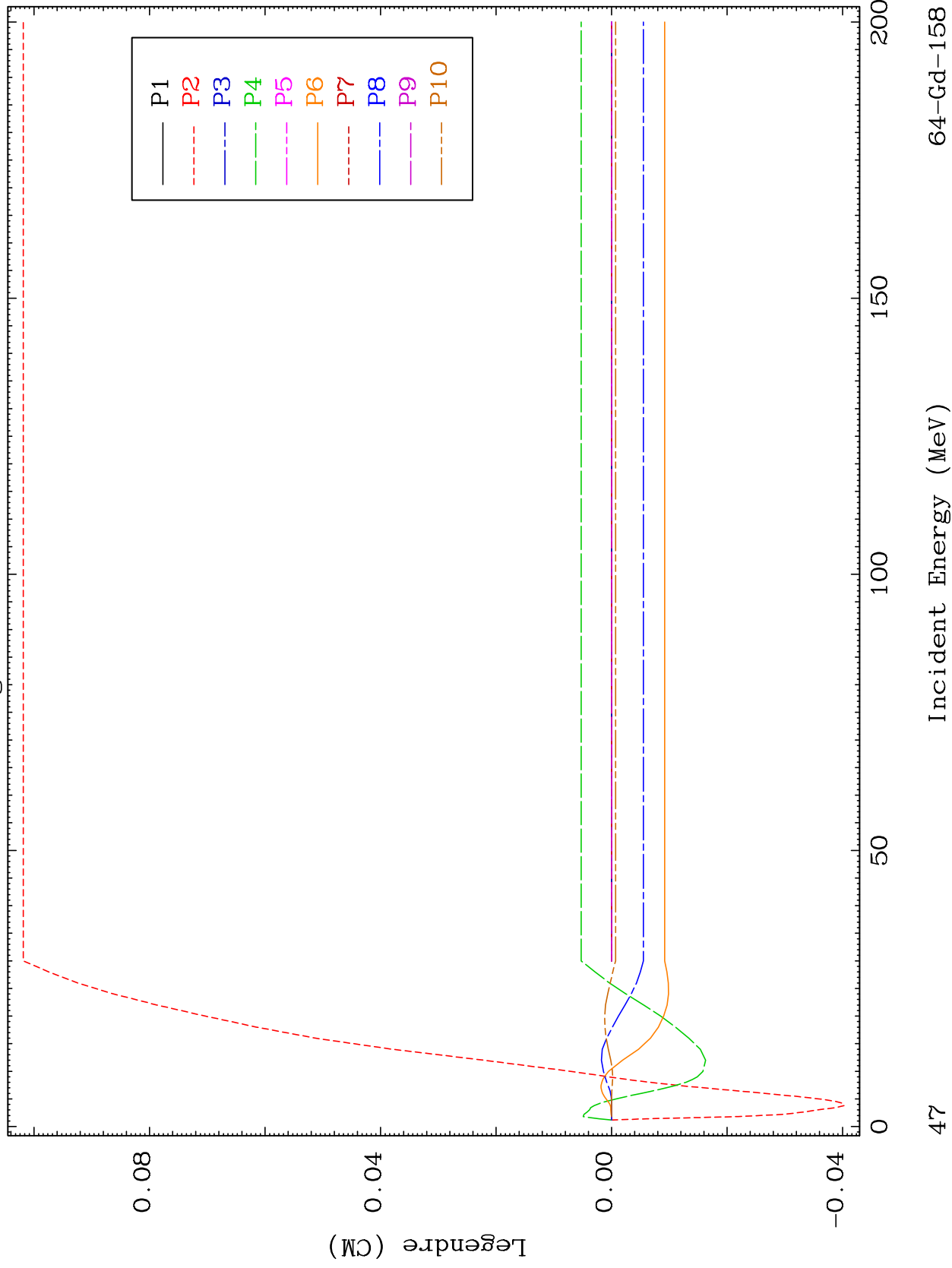
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158

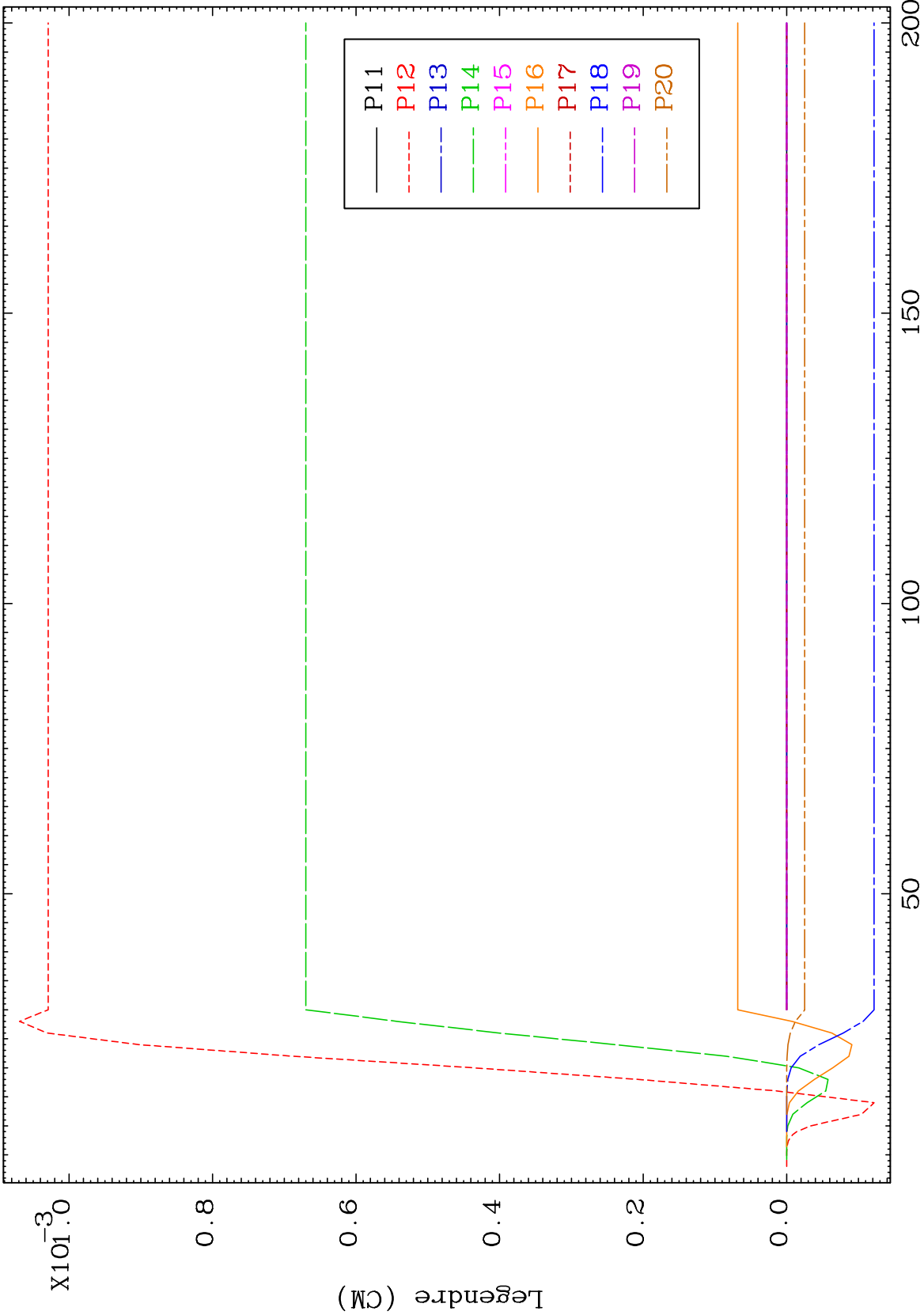




MAT 6443

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

64-Gd-158



48

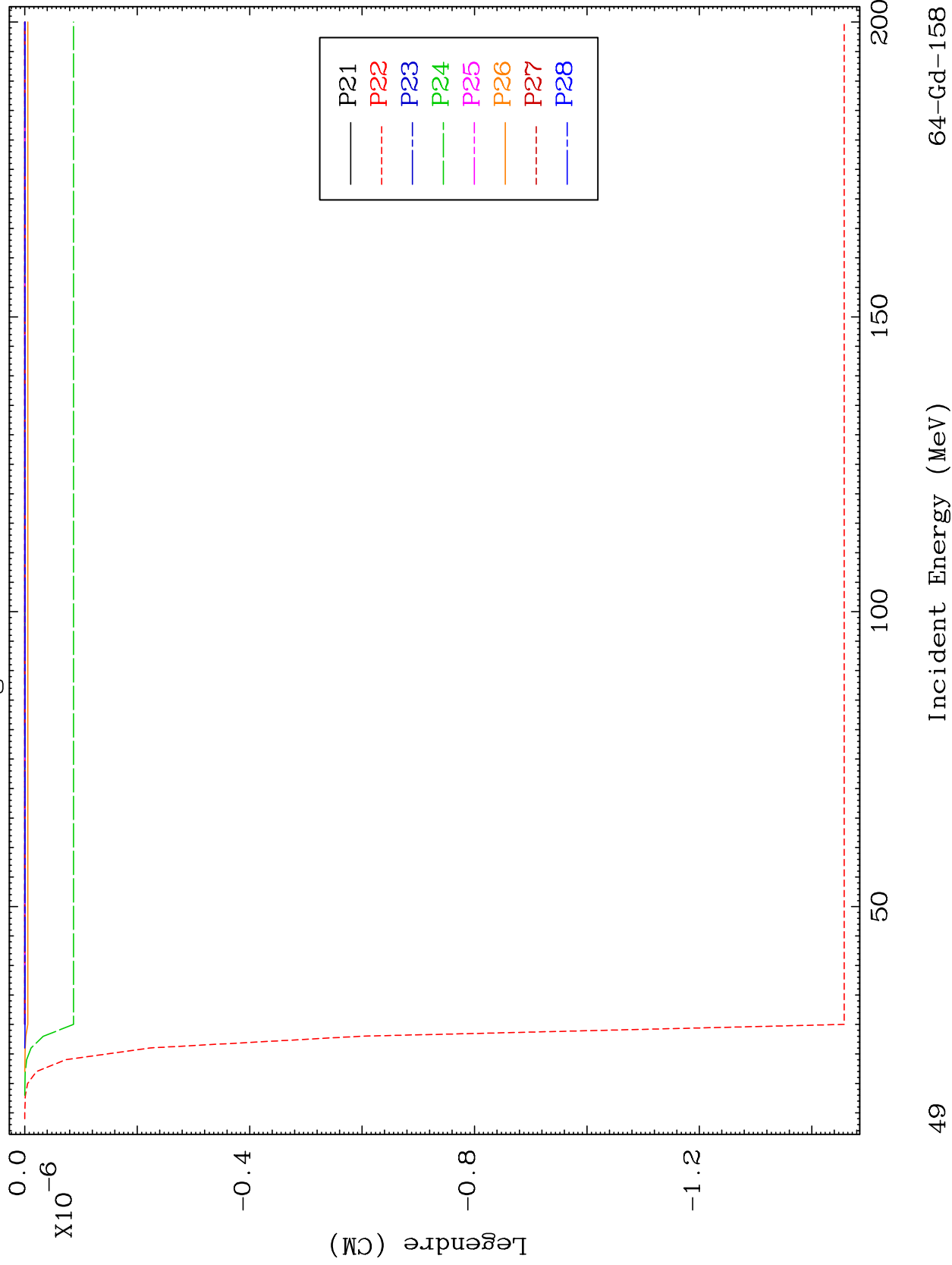
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



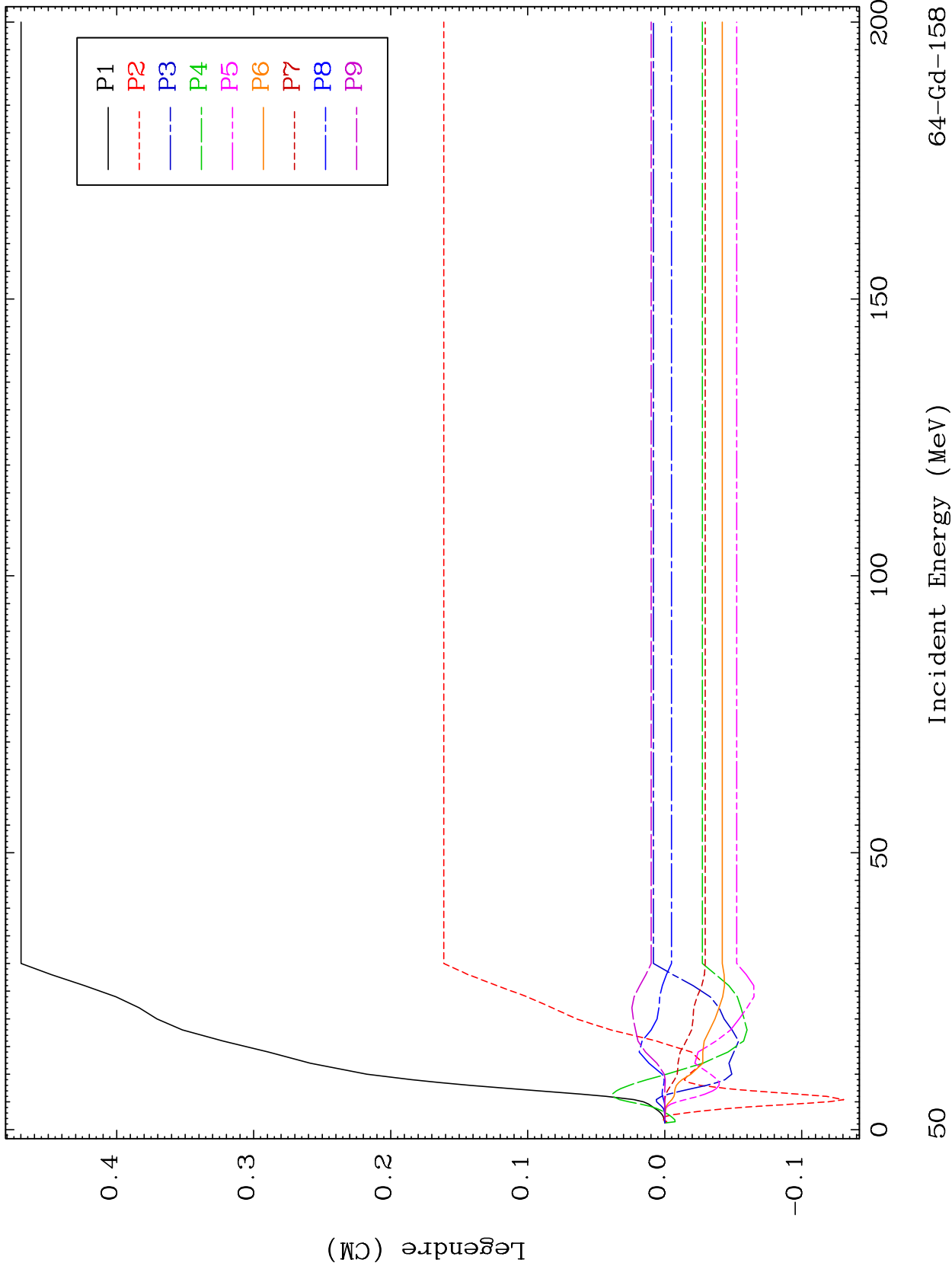
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64-Gd-158

MAT 6443

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

64-Gd-158



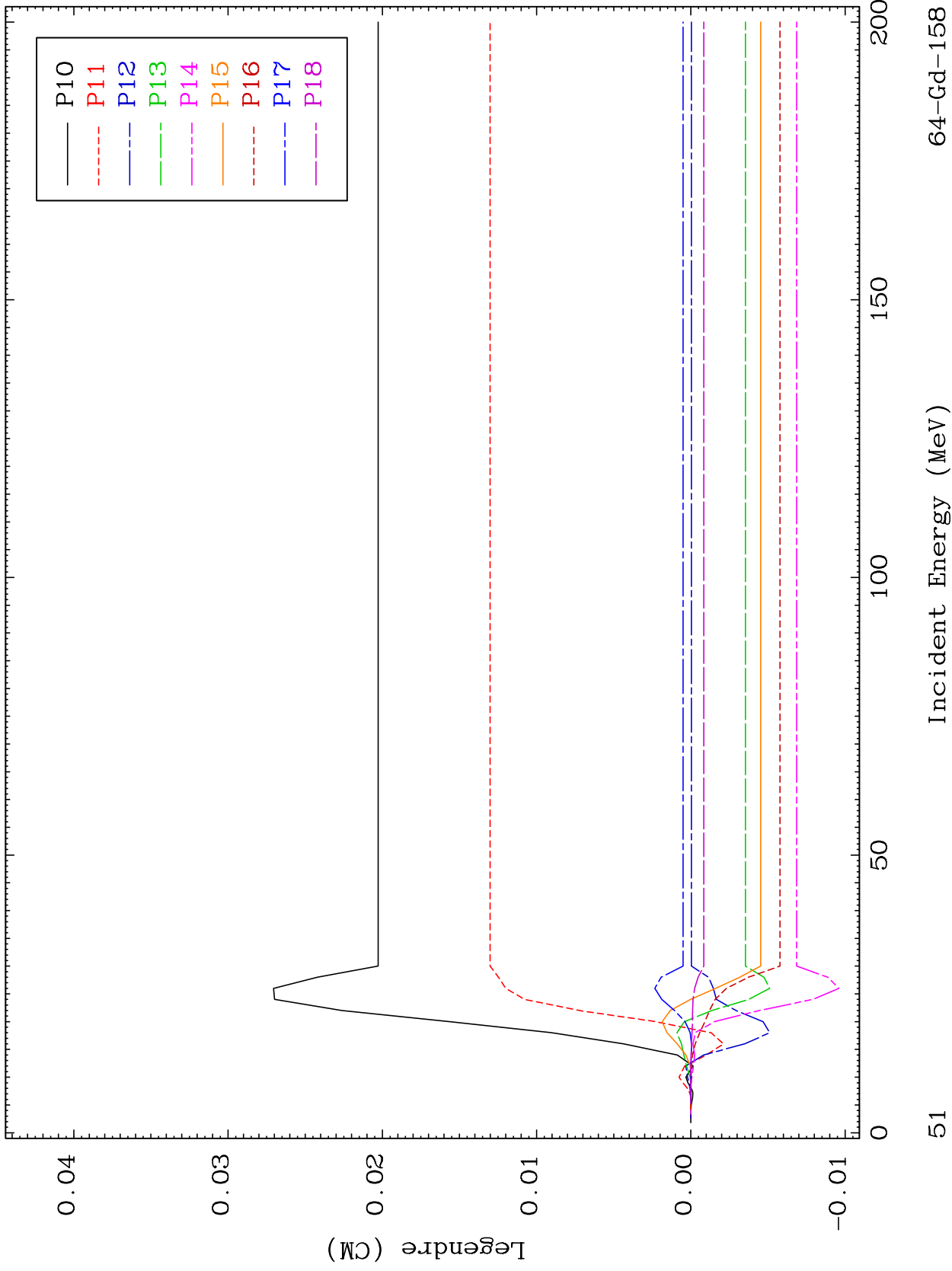
64-Gd-158

Incident Energy (MeV)

MAT 6443

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

64-Gd-158



64-Gd-158

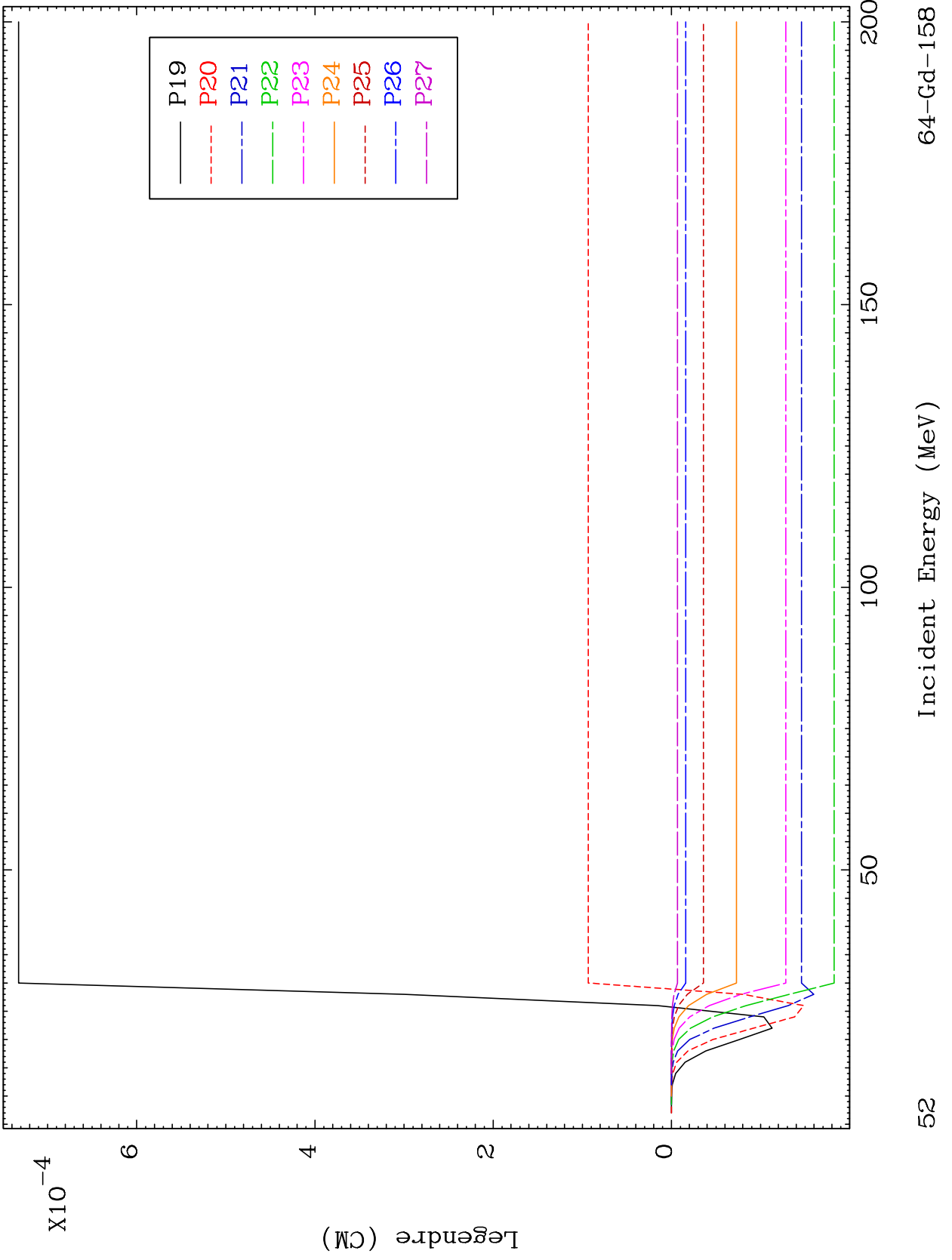
Incident Energy (MeV)

51

MAT 6443

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

64-Gd-158



52

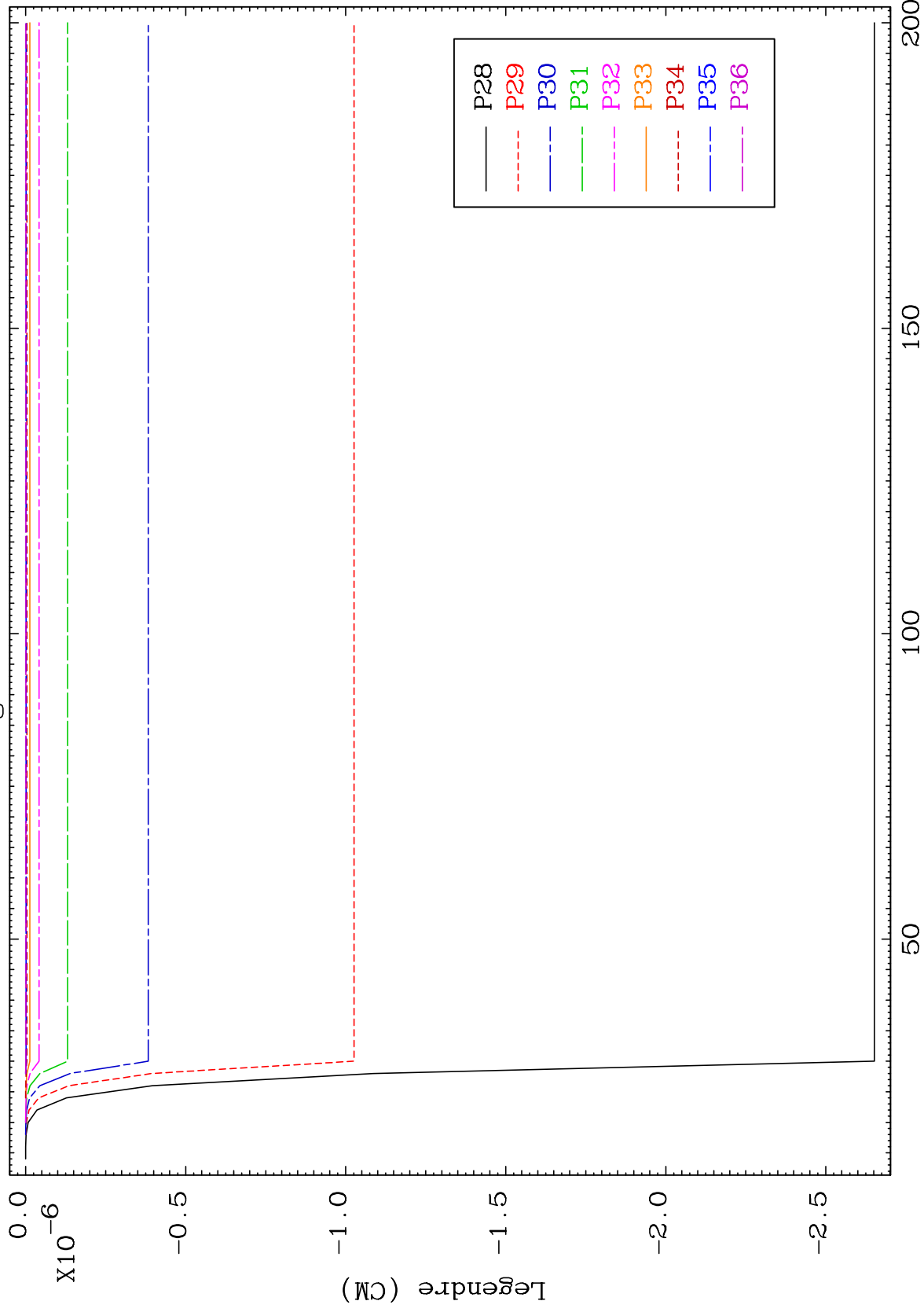
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

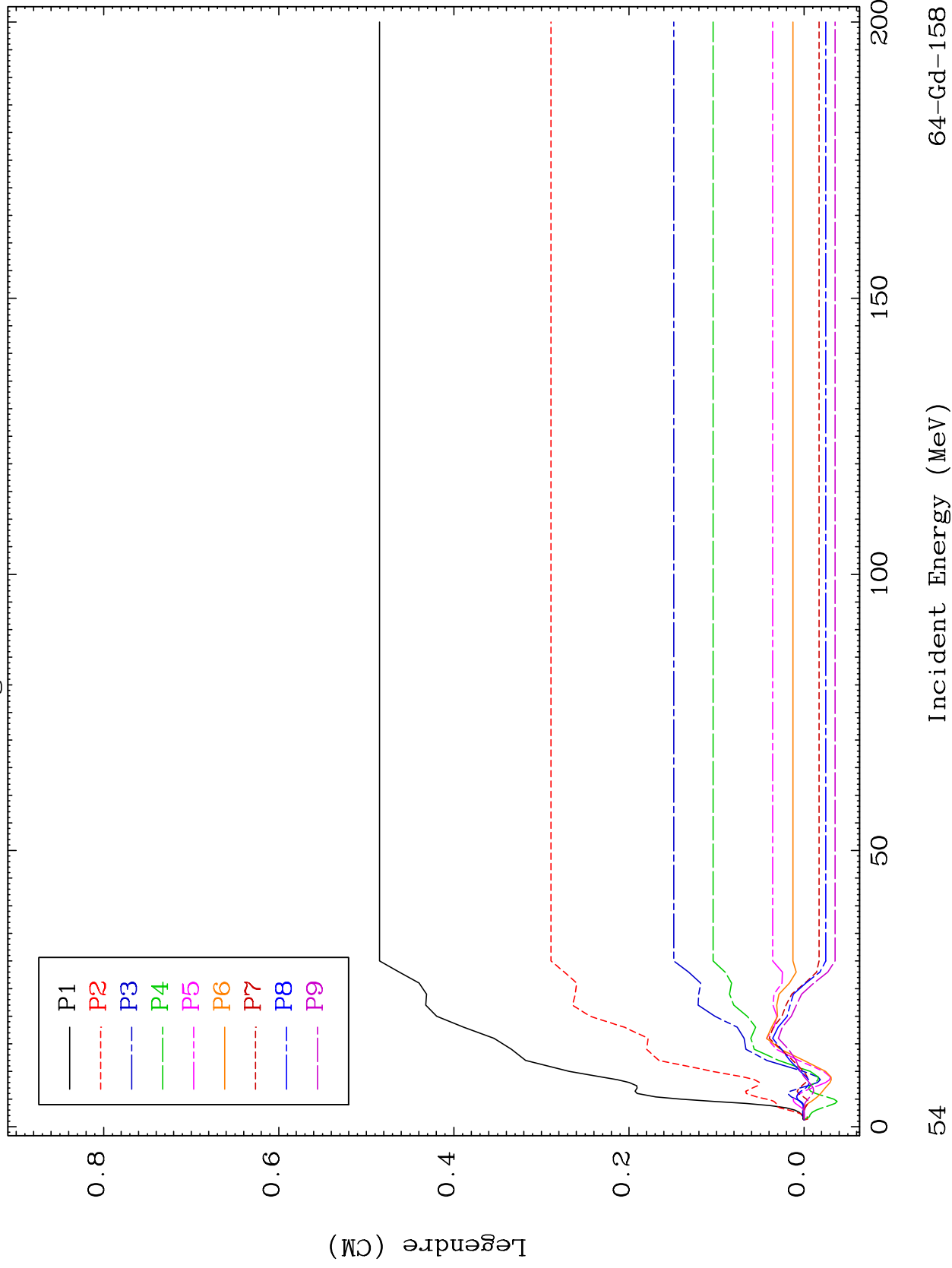
64-Gd-158



MAT 6443

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

64-Gd-158

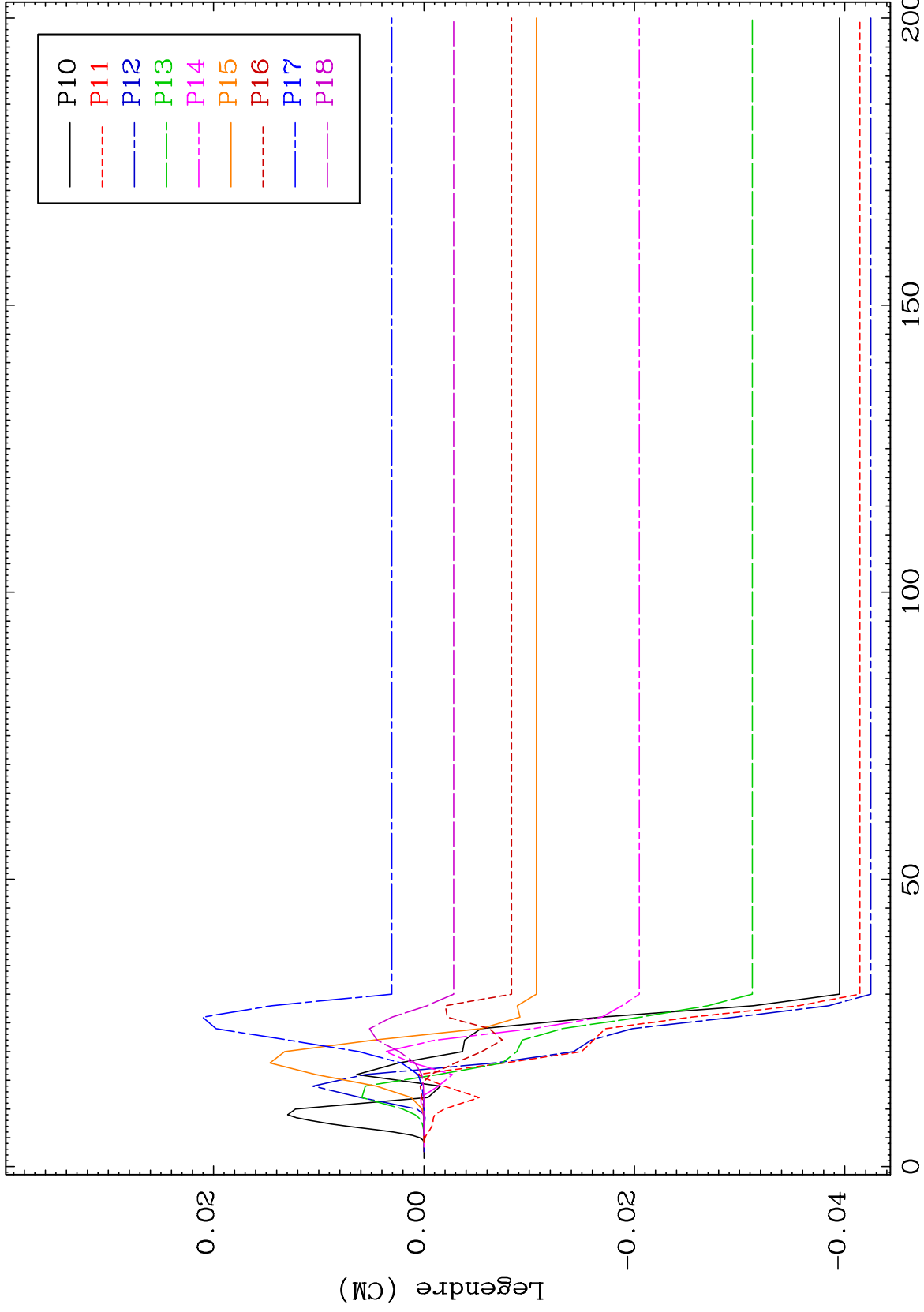


54

MAT 6443

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

64-Gd-158



55

Incident Energy (MeV)

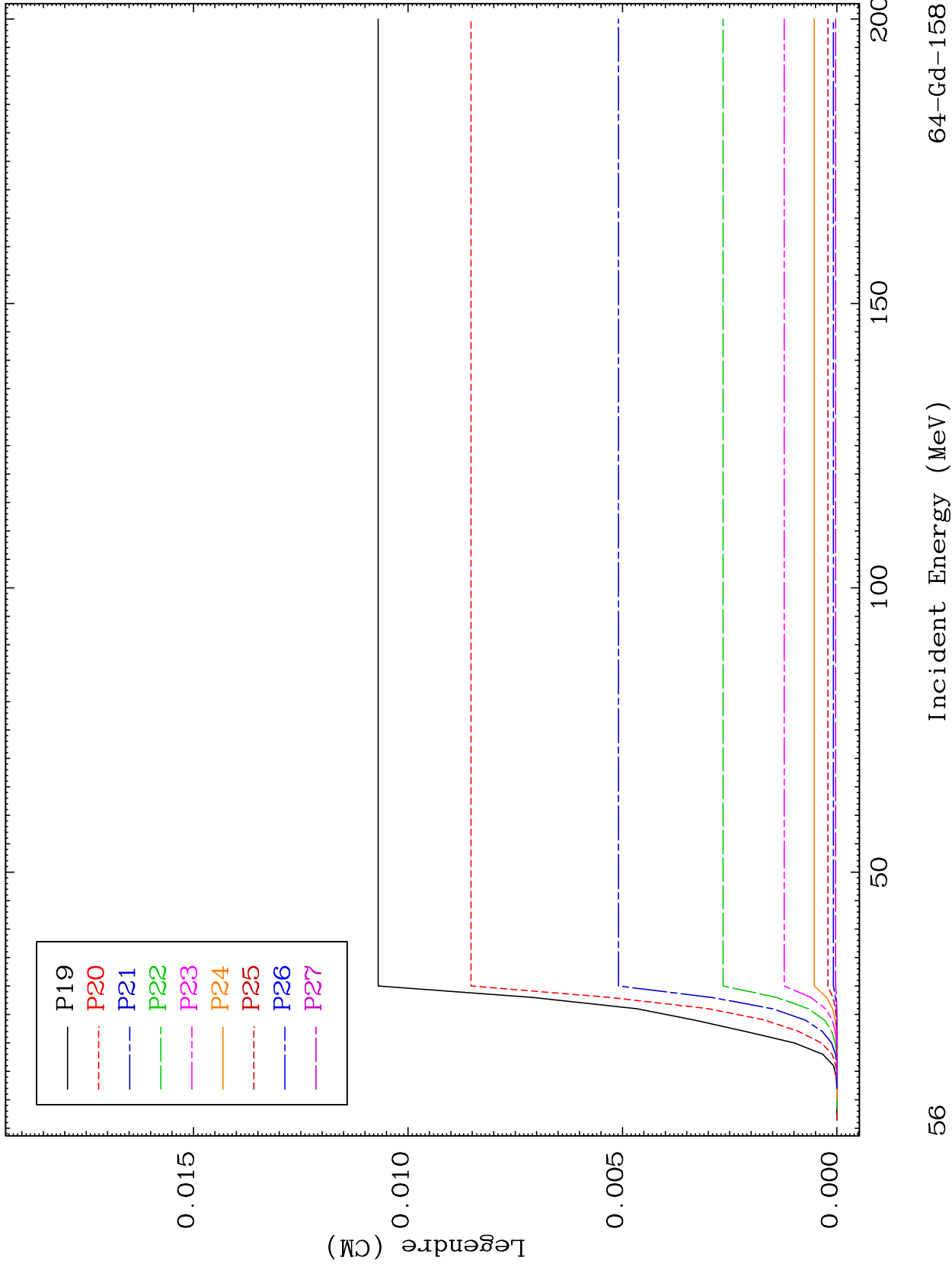
64-Gd-158



MAT 6443

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

64-Gd-158



56

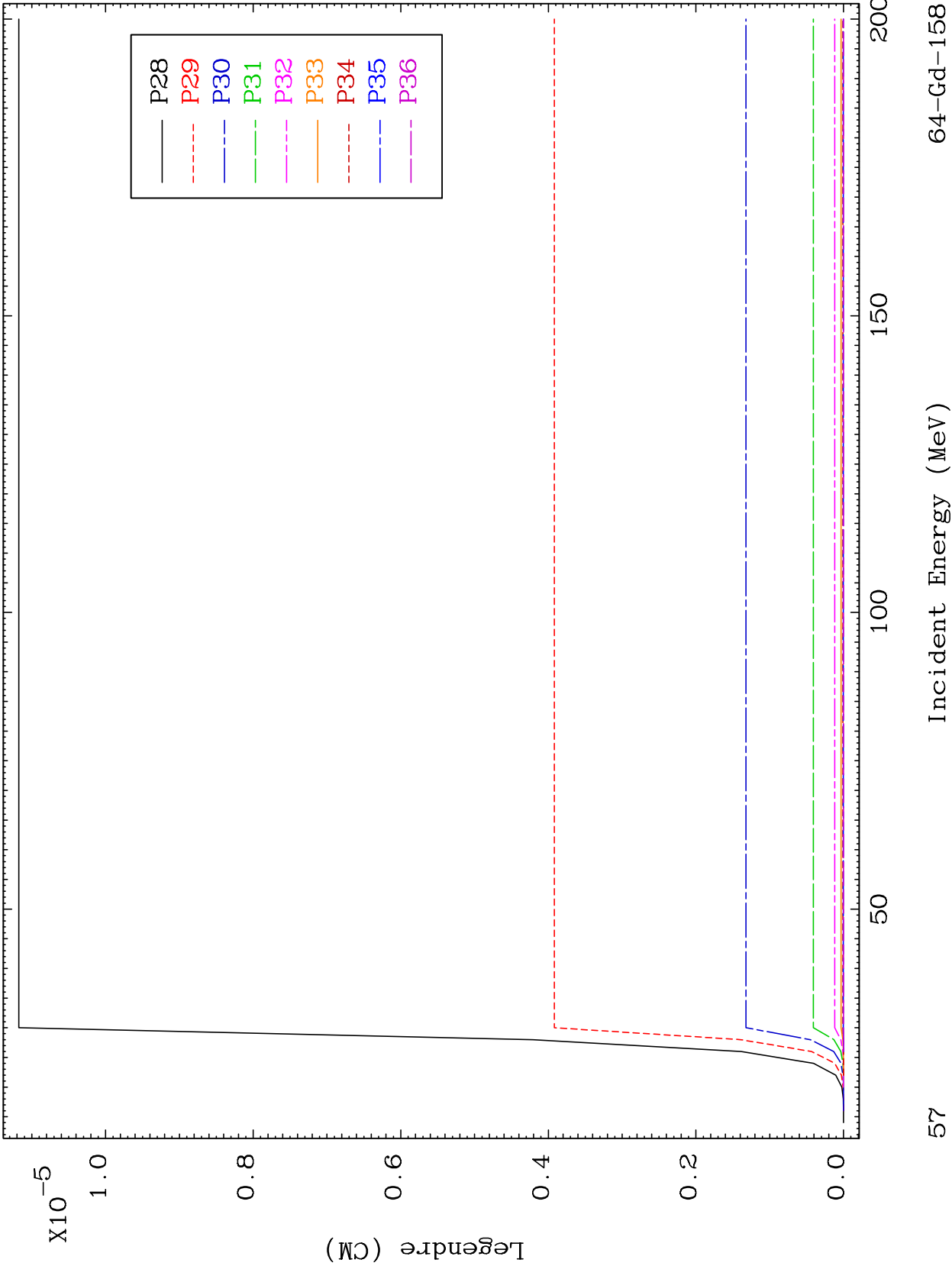
Incident Energy (MeV)

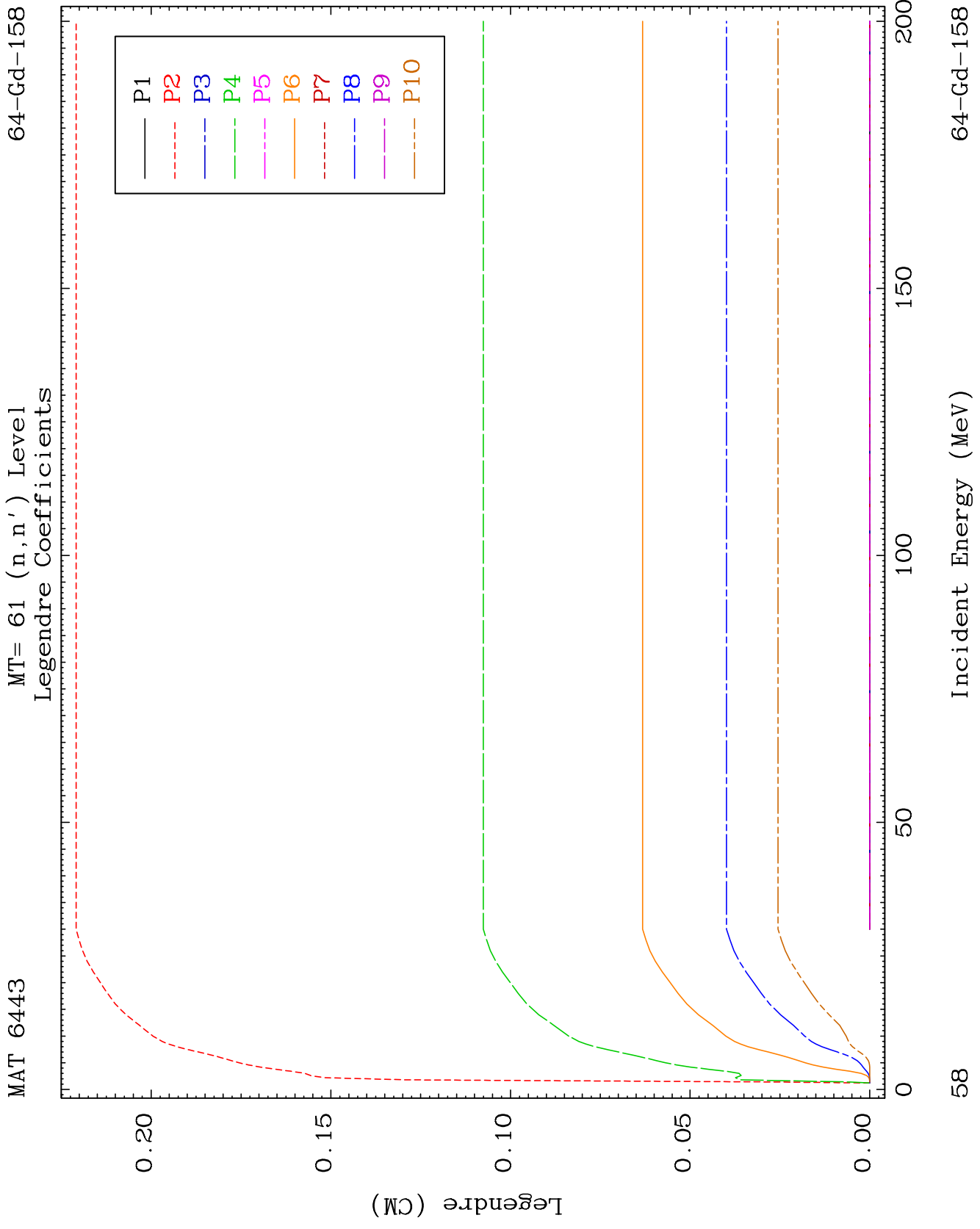
64-Gd-158

MAT 6443

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

64-Gd-158

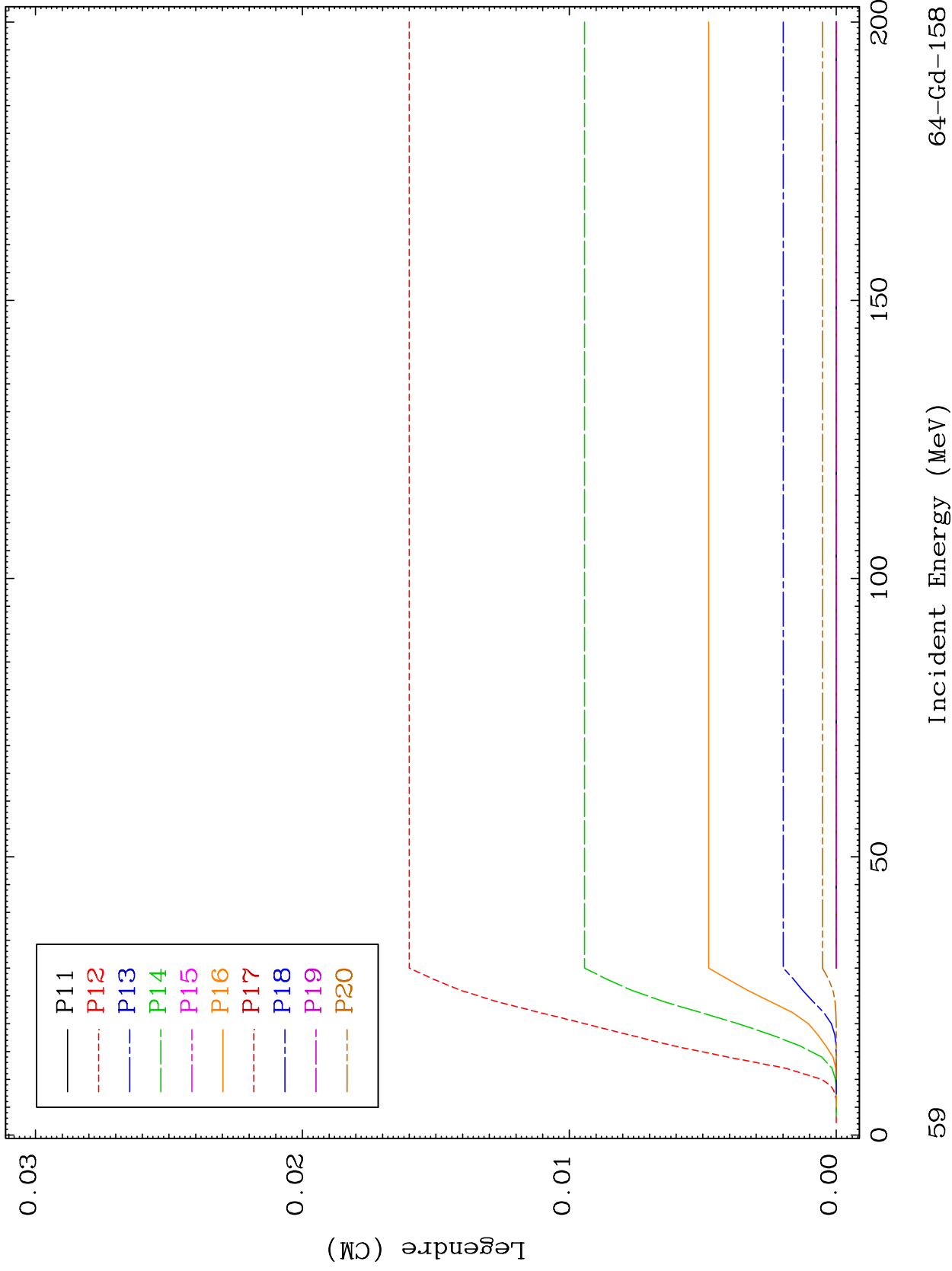




MAT 6443

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

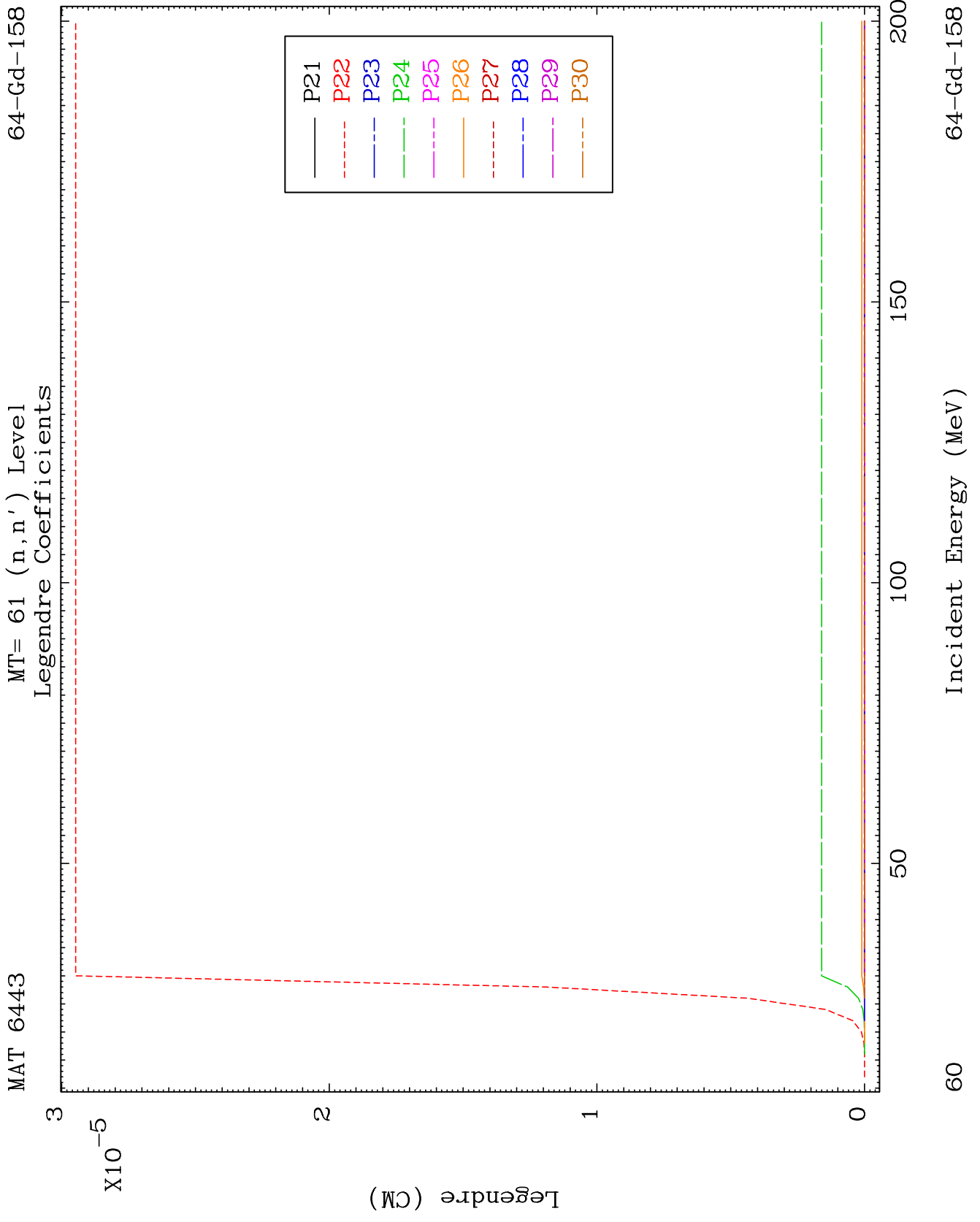
64-Gd-158



64-Gd-158

Incident Energy (MeV)

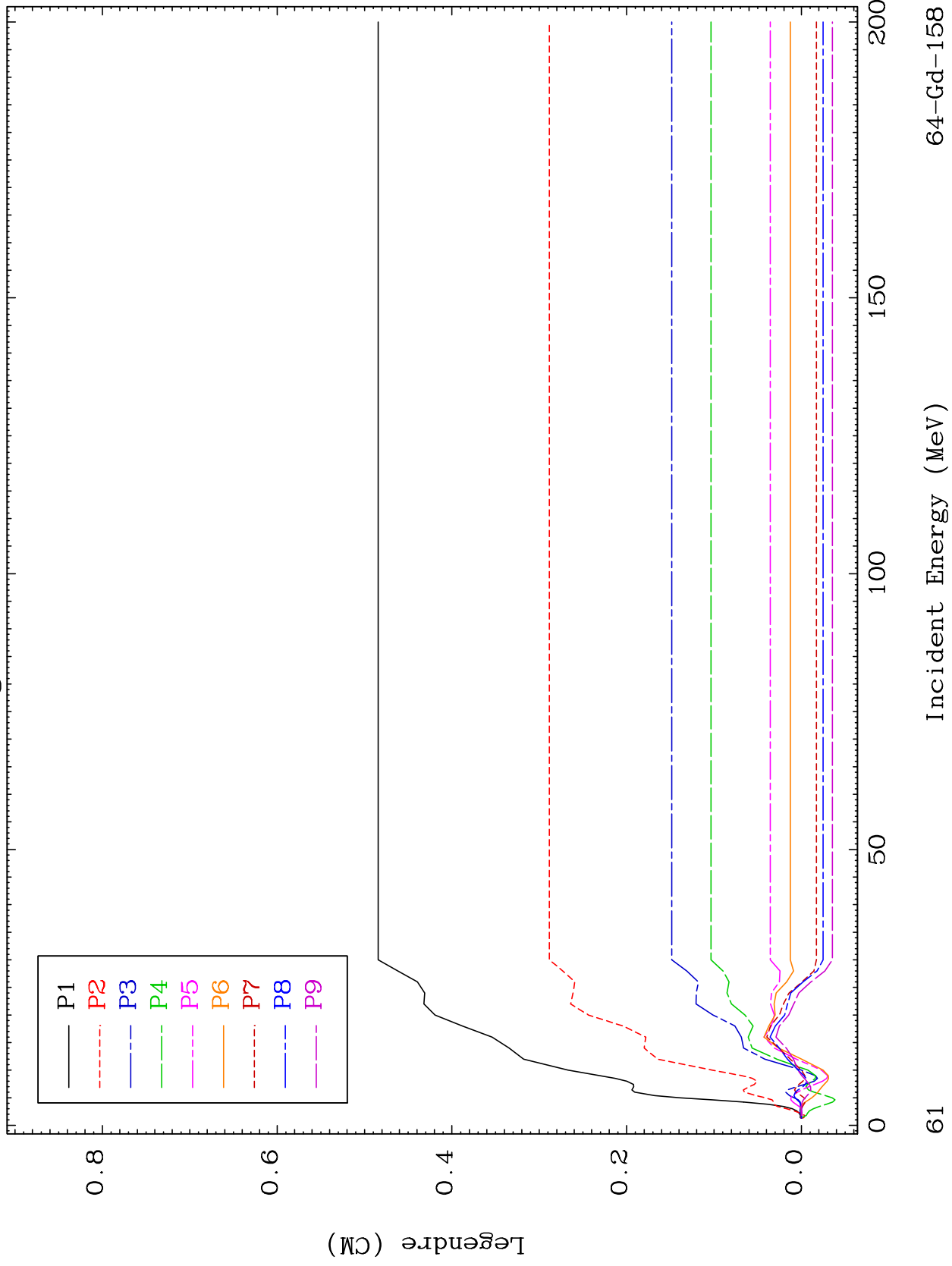
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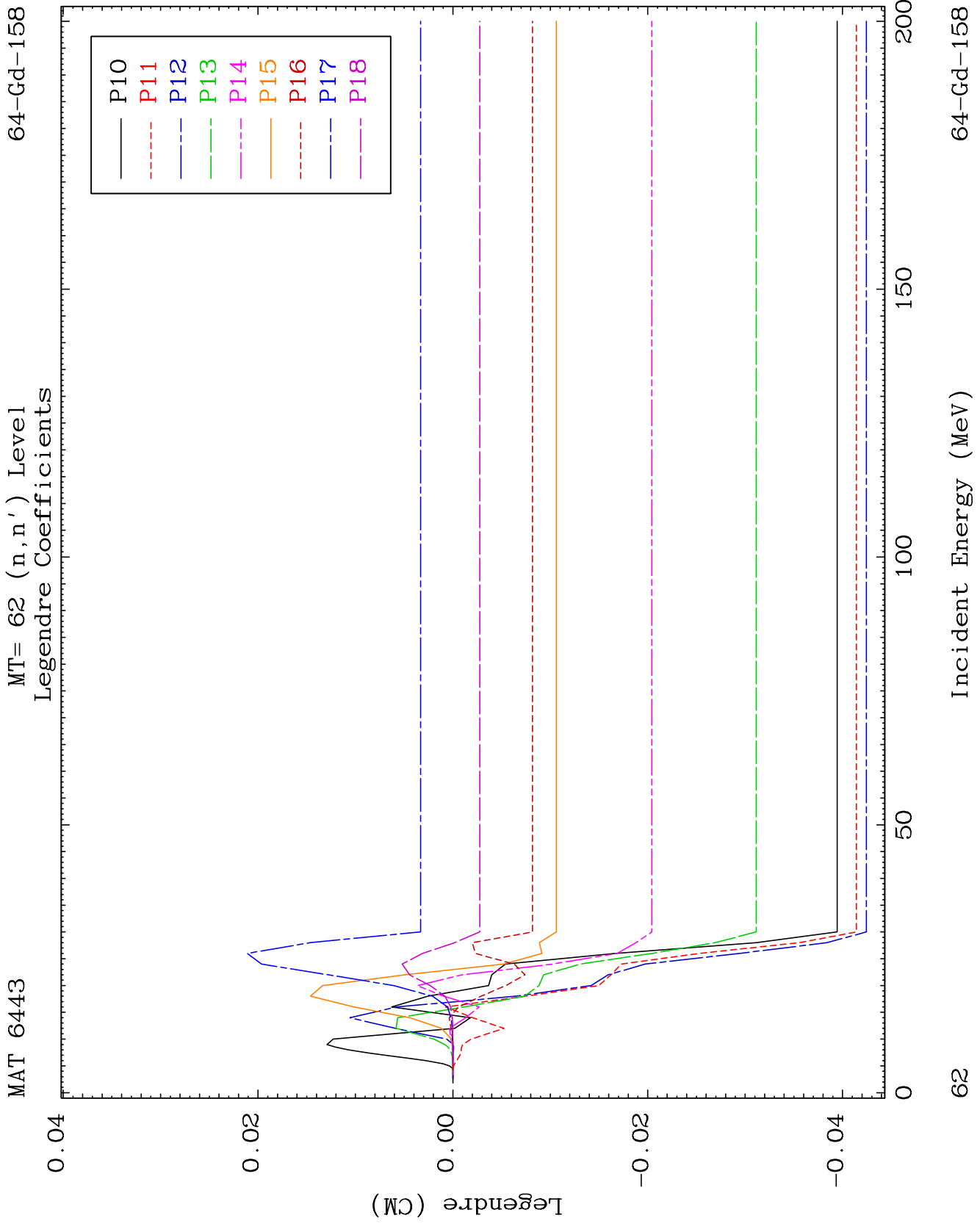


MAT 6443

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

64-Gd-158

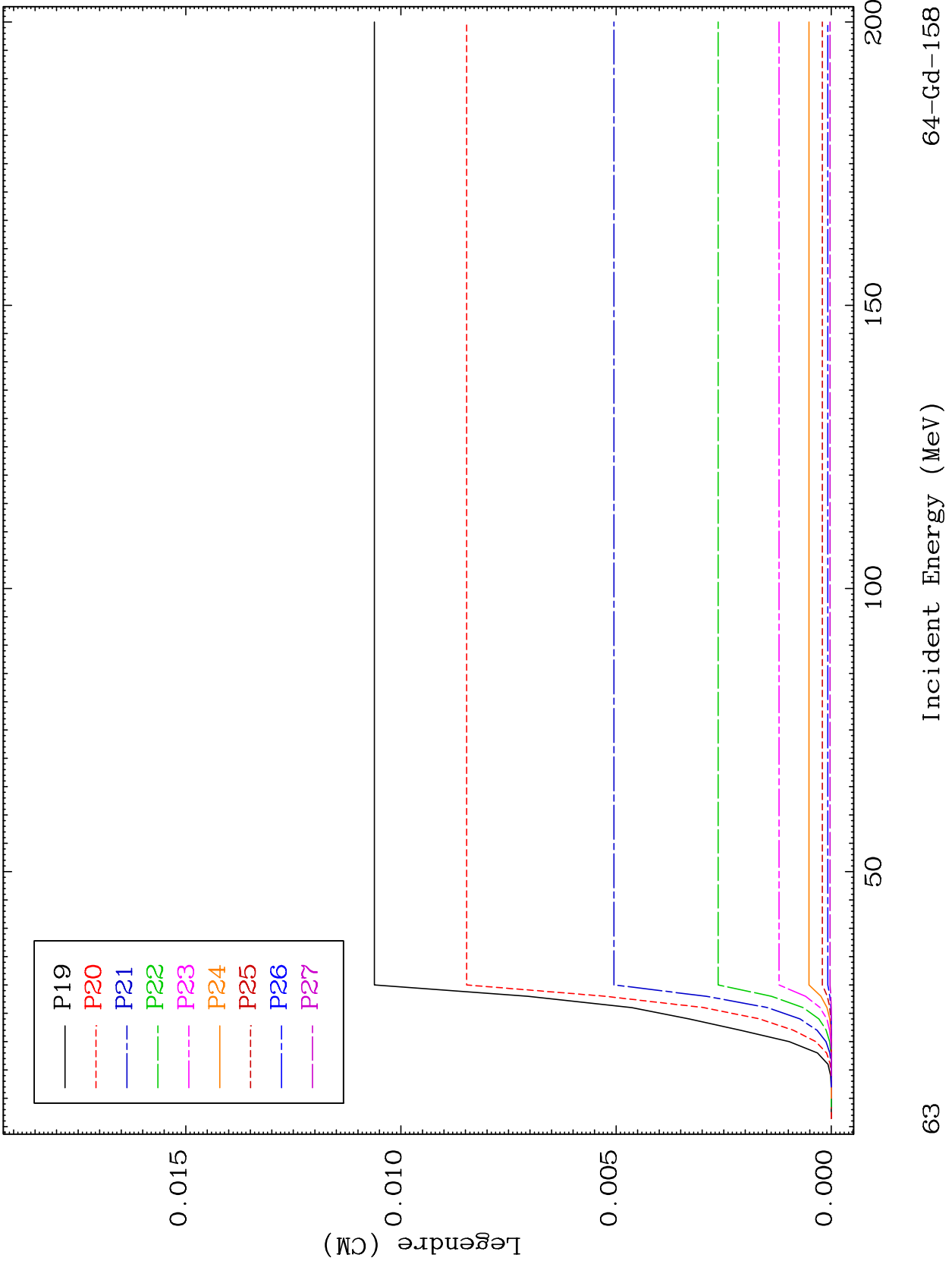




MAT 6443

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

64-Gd-158



63

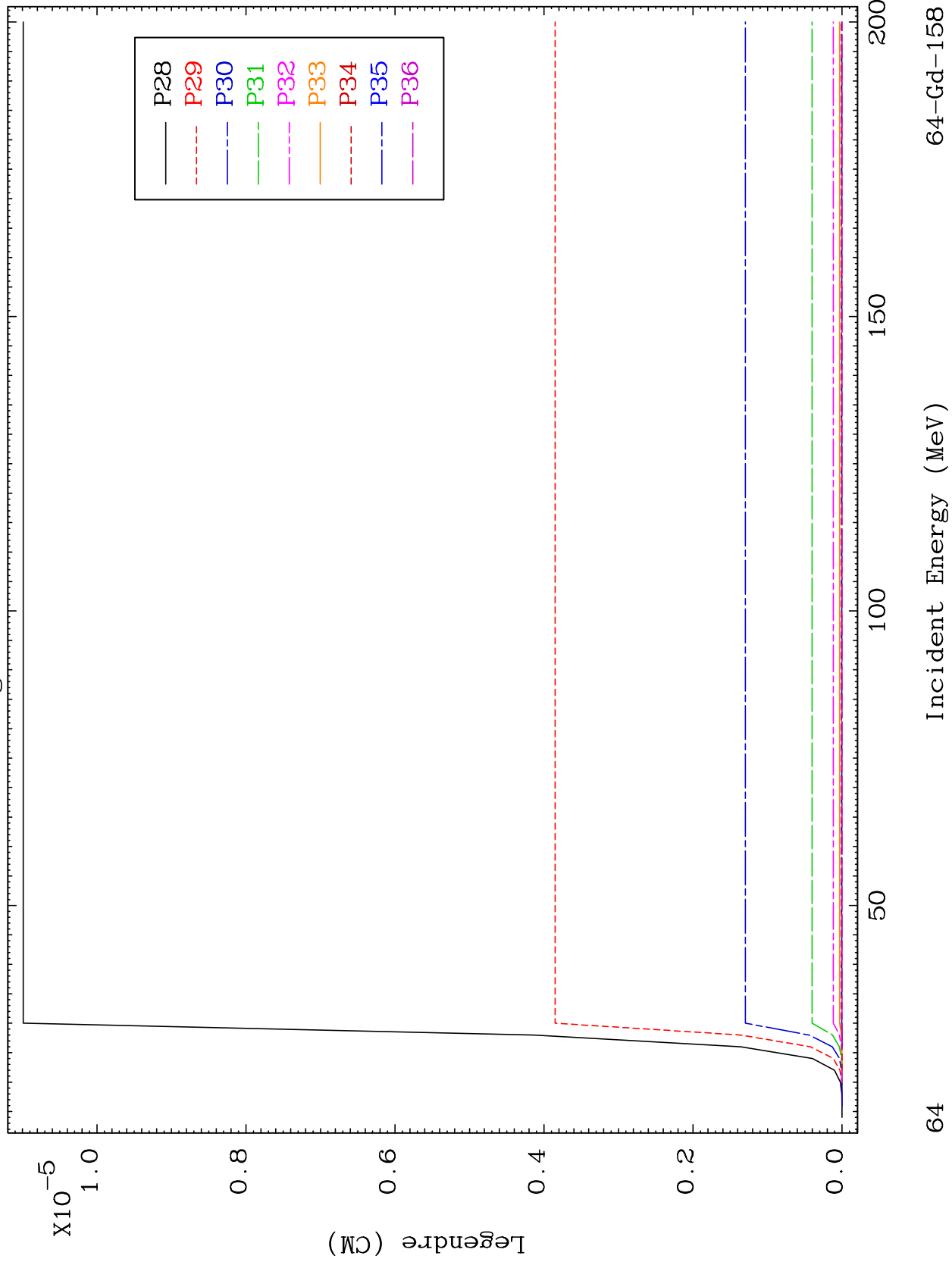
64-Gd-158



MAT 6443

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

64-Gd-158

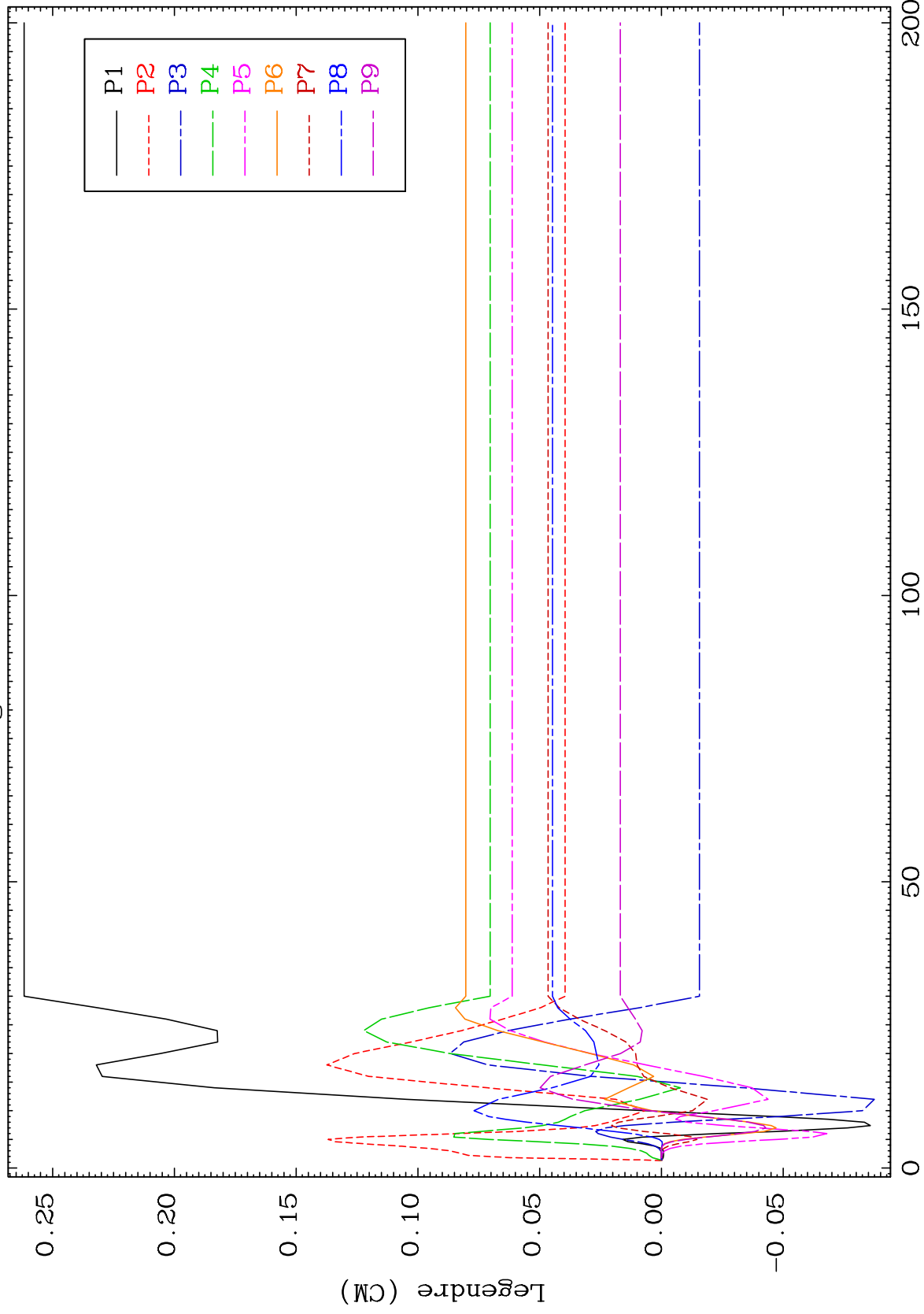


64

MAT 6443

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

64-Gd-158



65

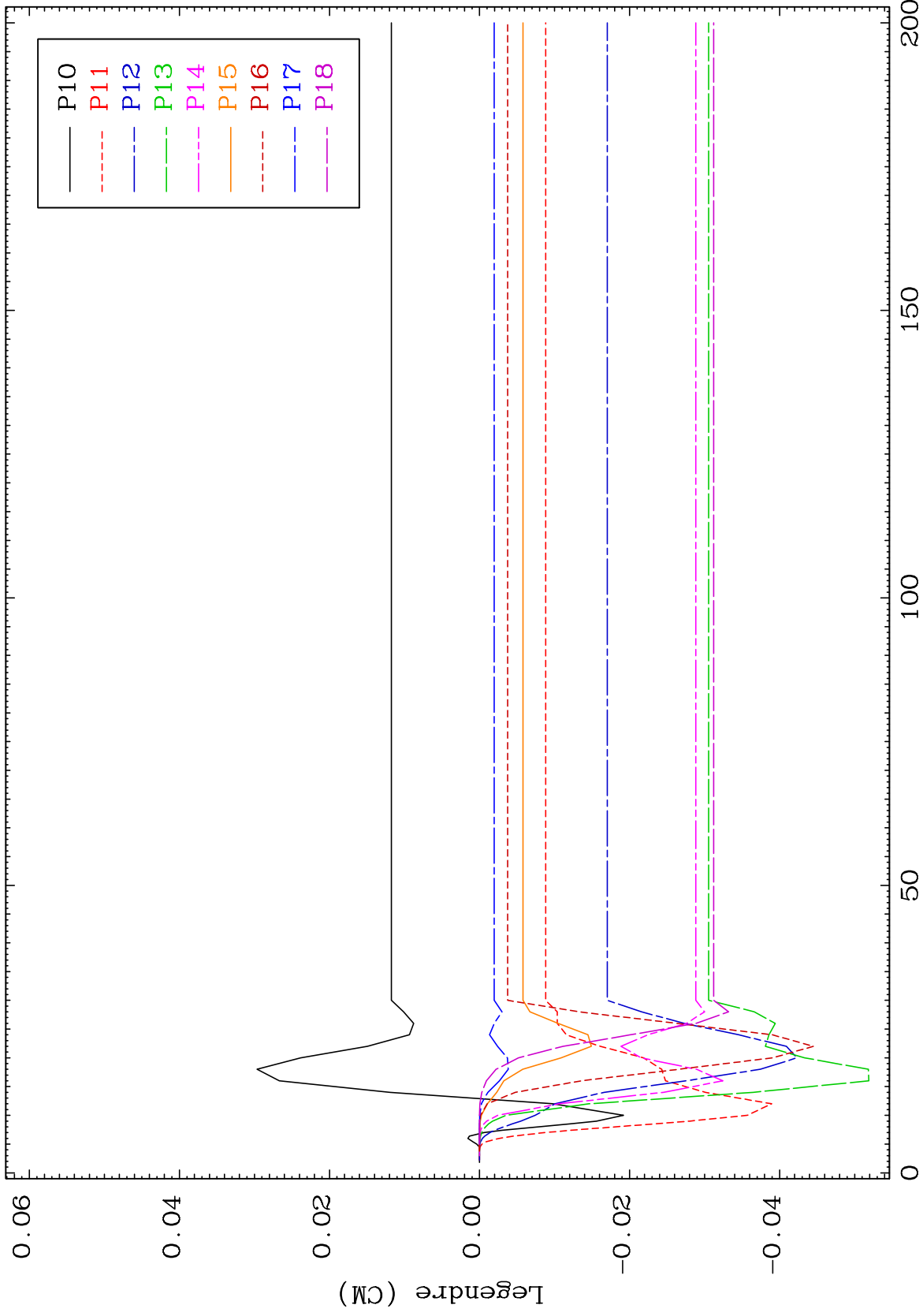
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



66

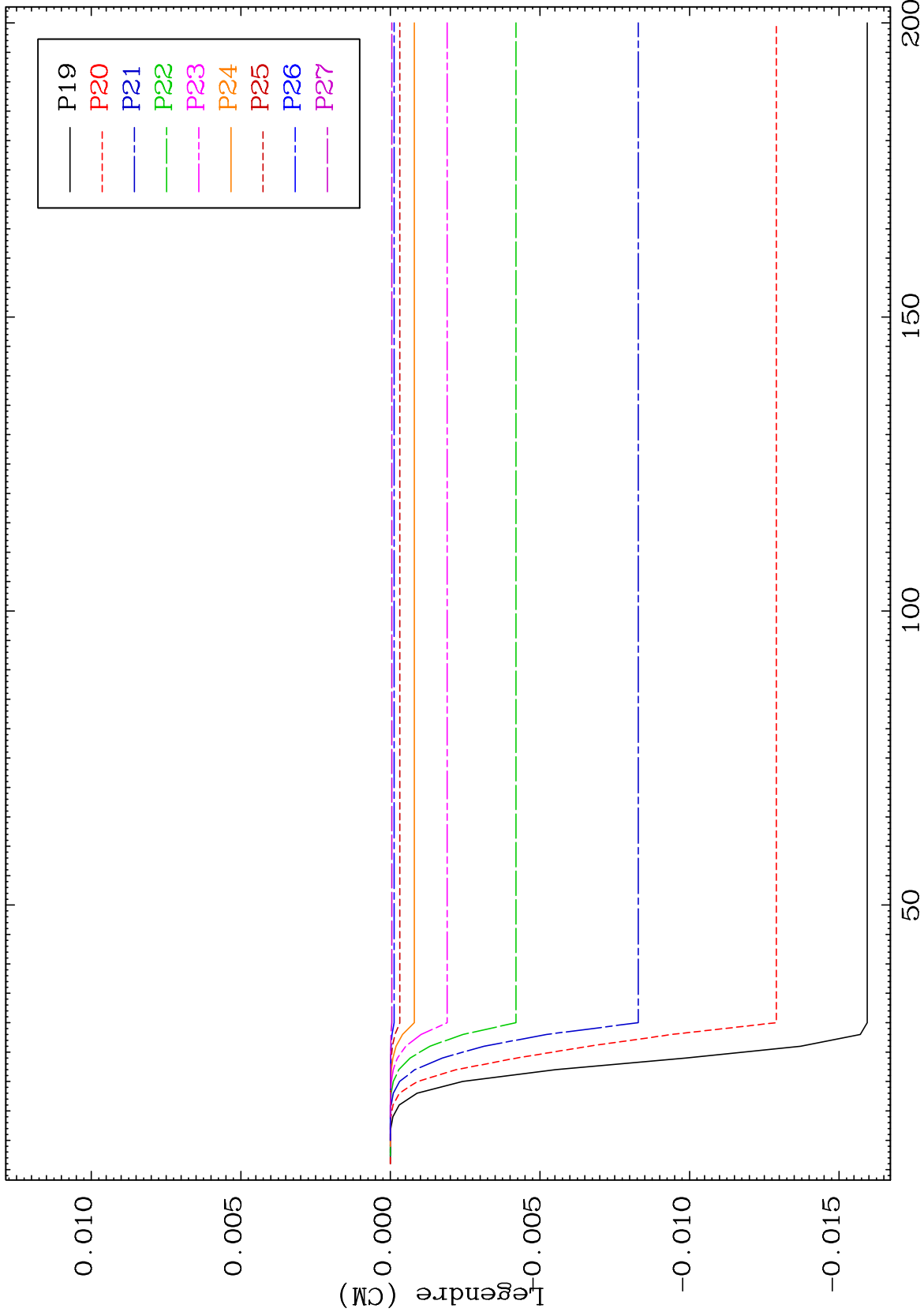
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



67

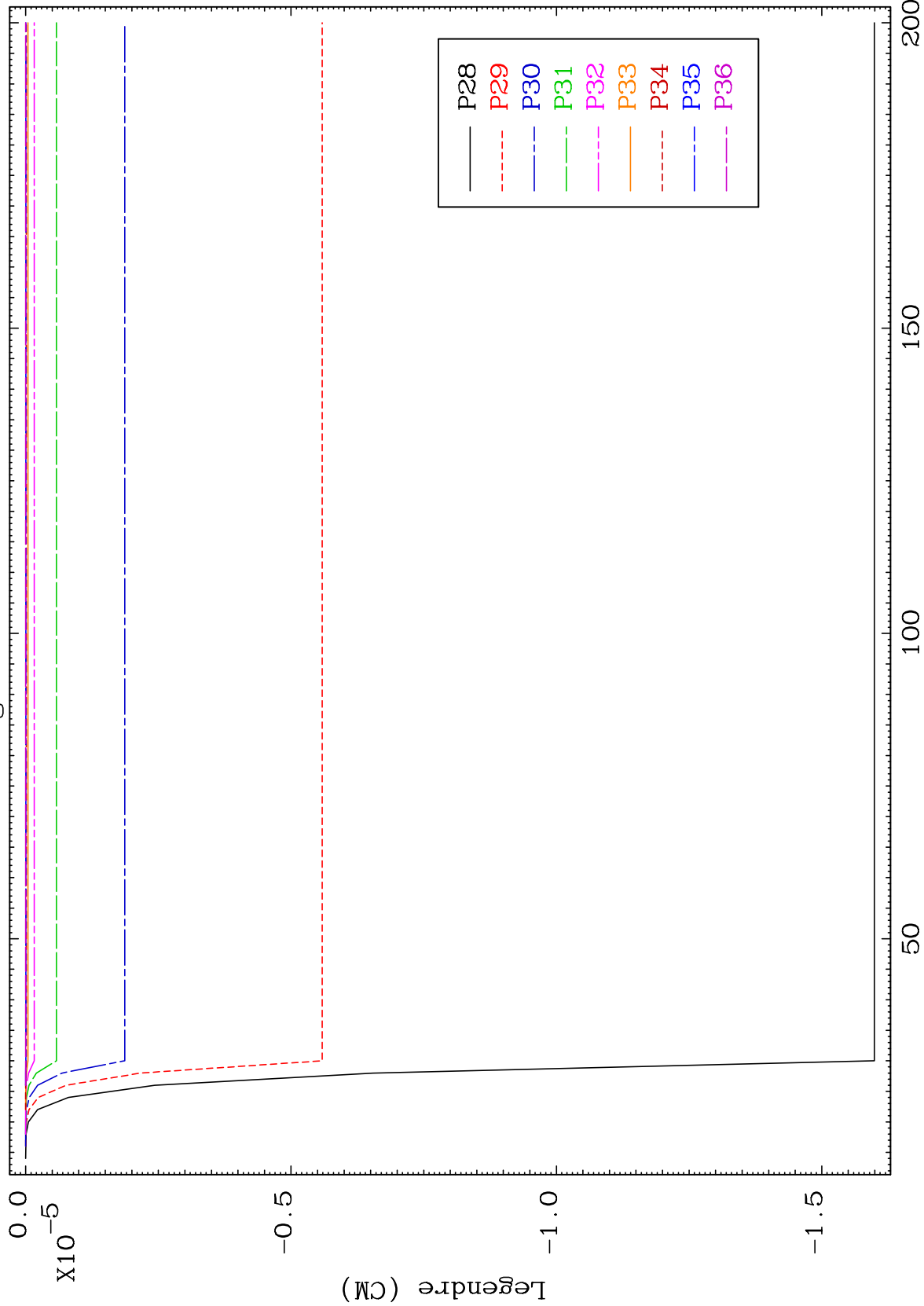
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



68

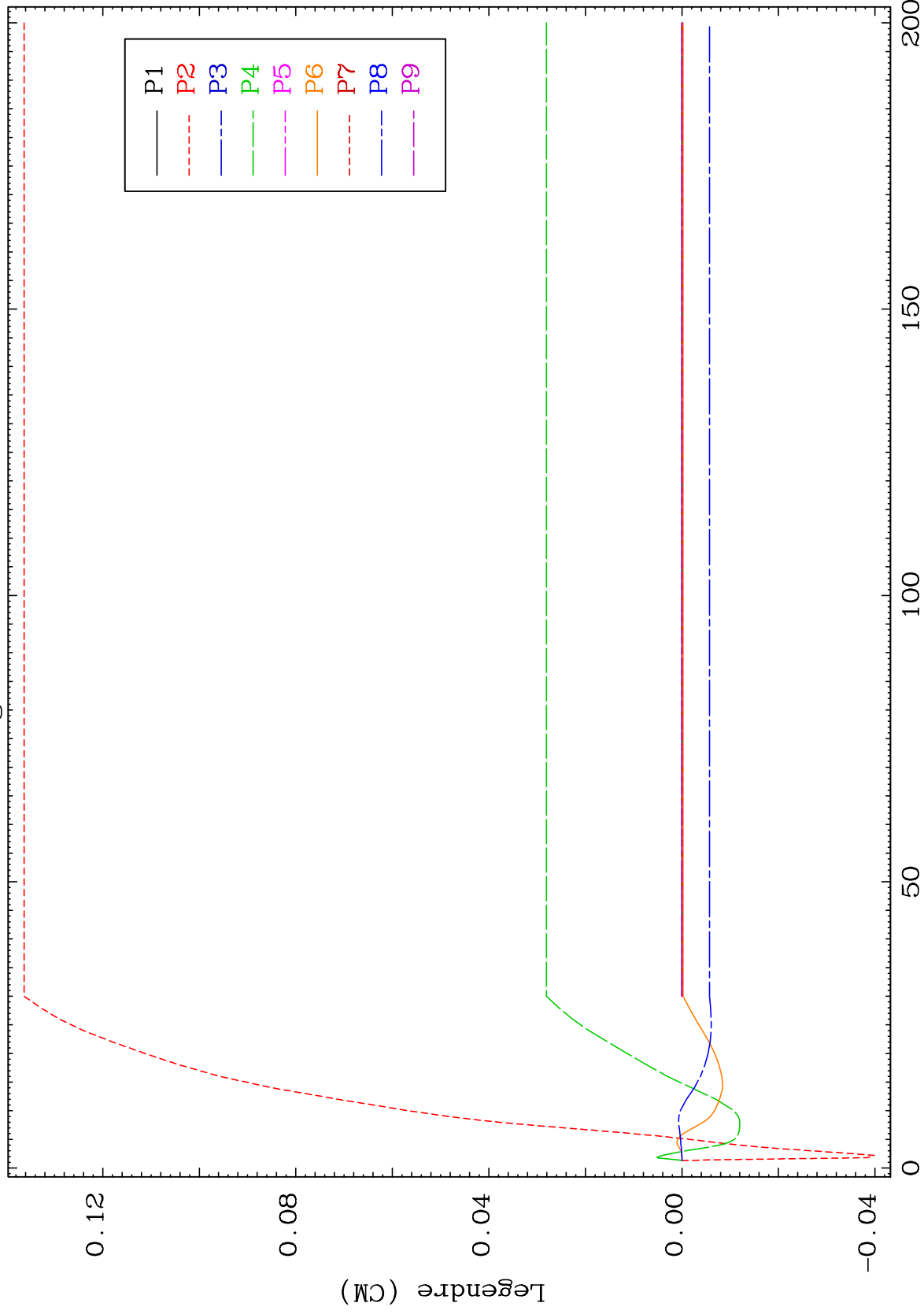
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



64-Gd-158

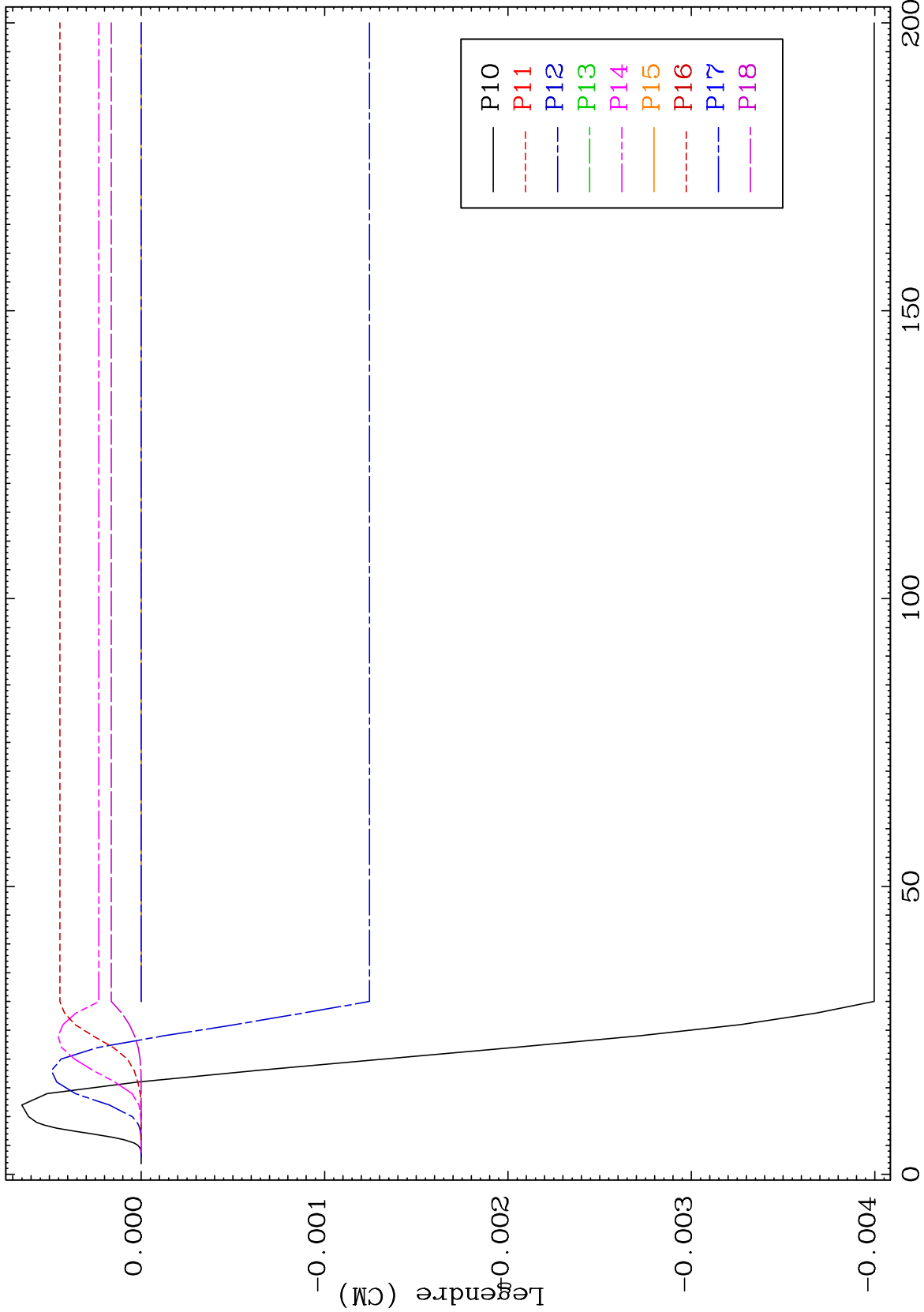
Incident Energy (MeV)

69

MAT 6443

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

64-Gd-158



70

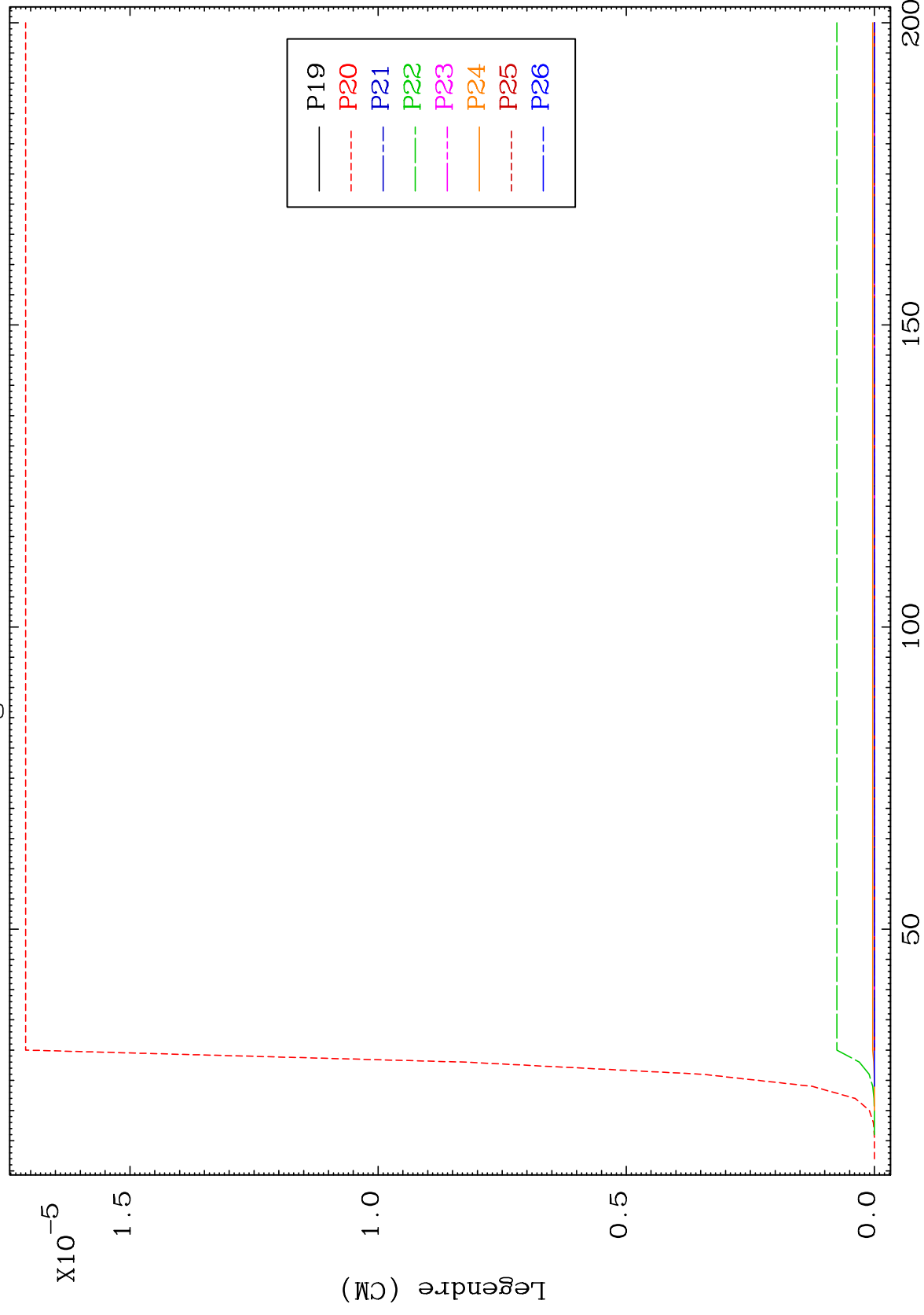
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



64-Gd-158

Incident Energy (MeV)

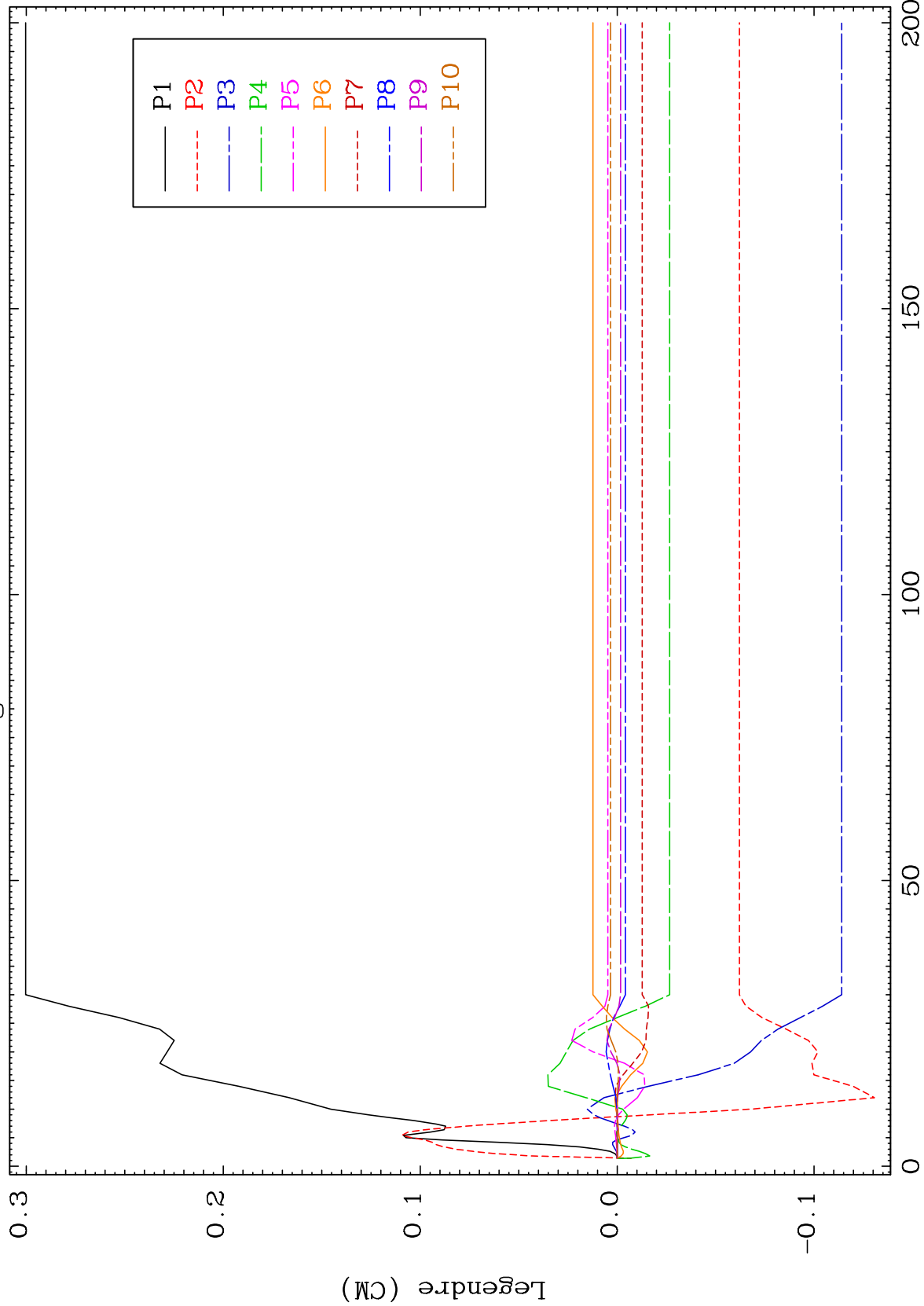
71



MAT 6443

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

64-Gd-158



72

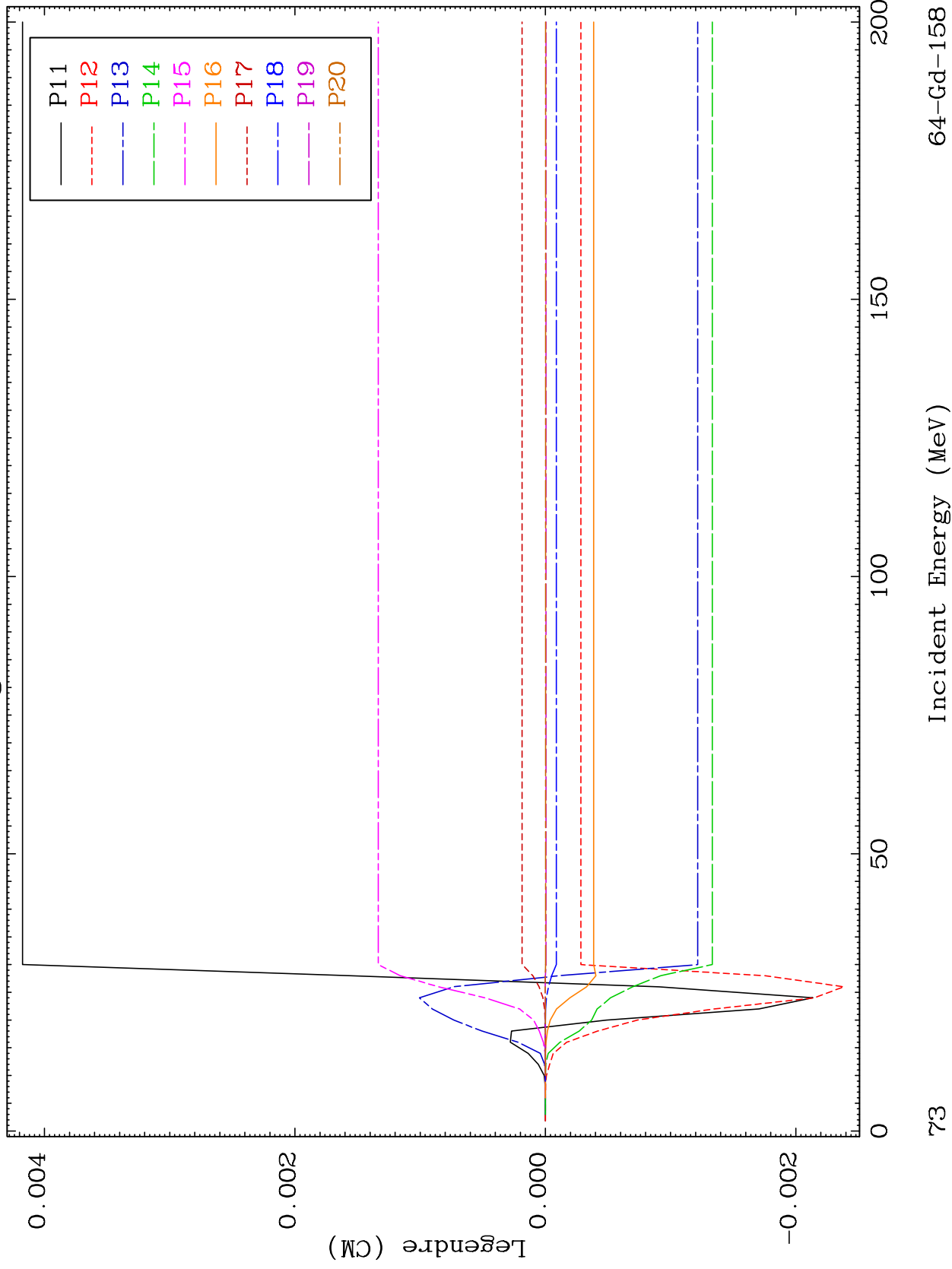
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



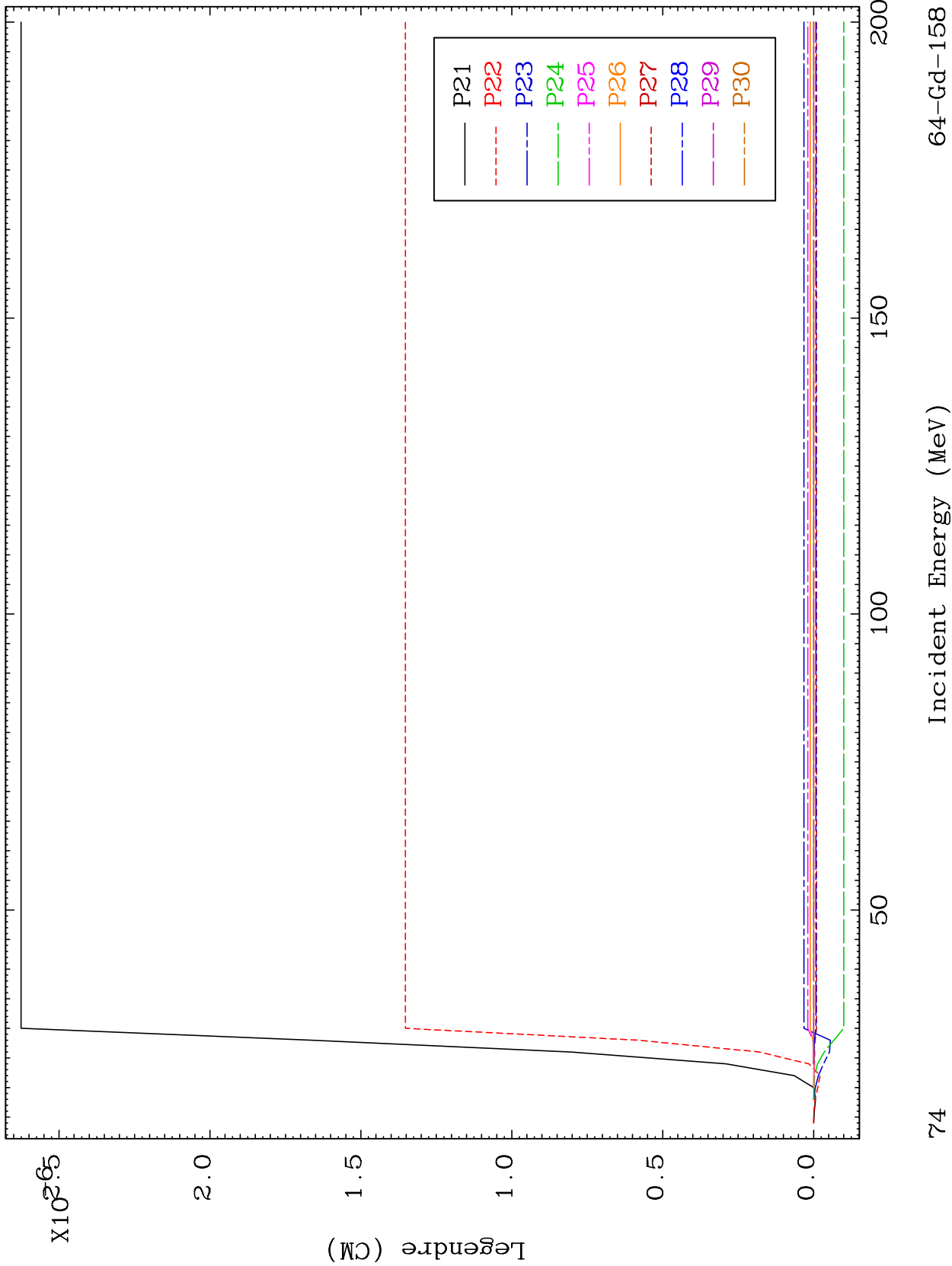
73

64-Gd-158

MAT 6443

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

64-Gd-158



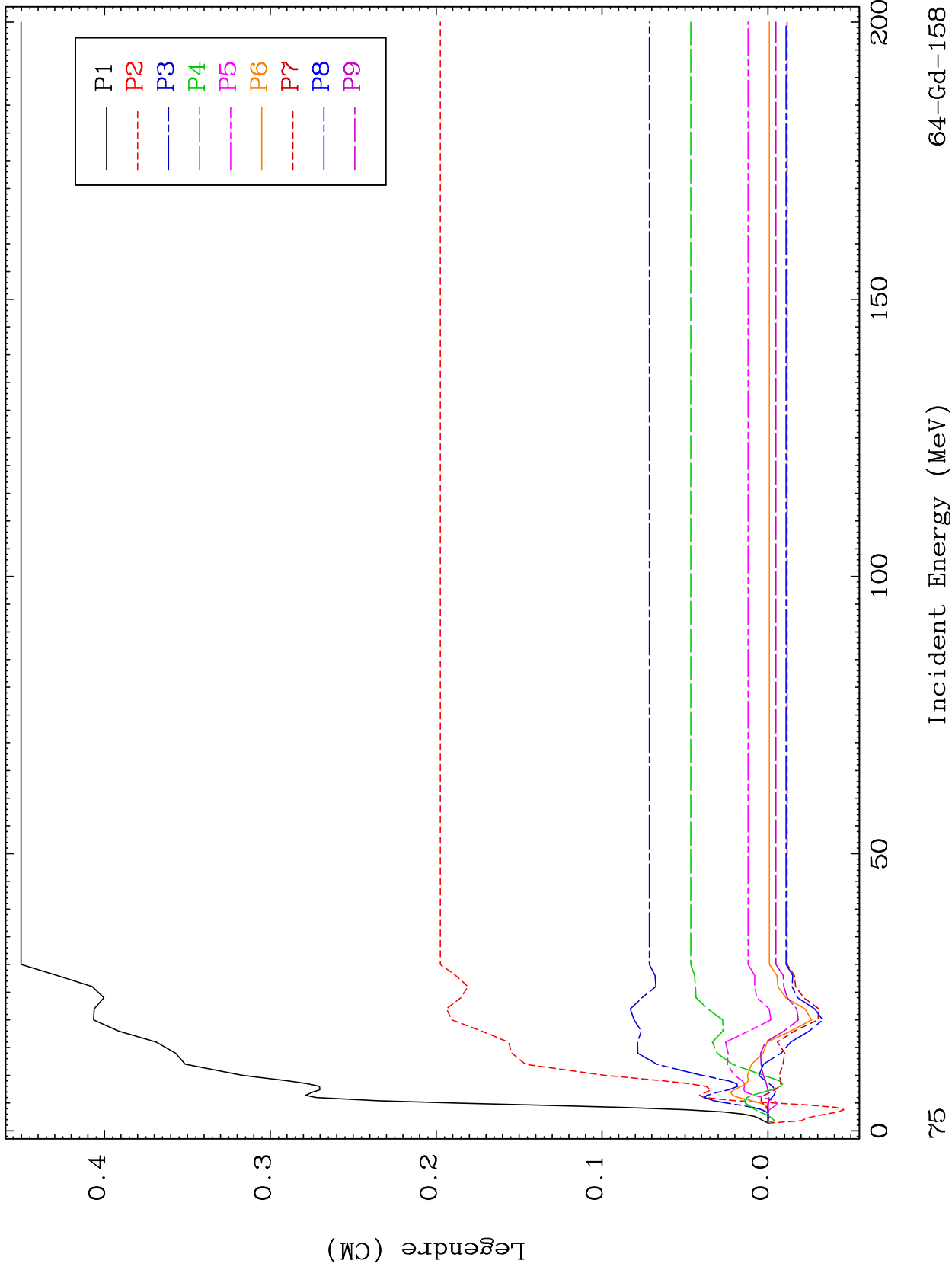
74

64-Gd-158

MAT 6443

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

64-Gd-158



64-Gd-158

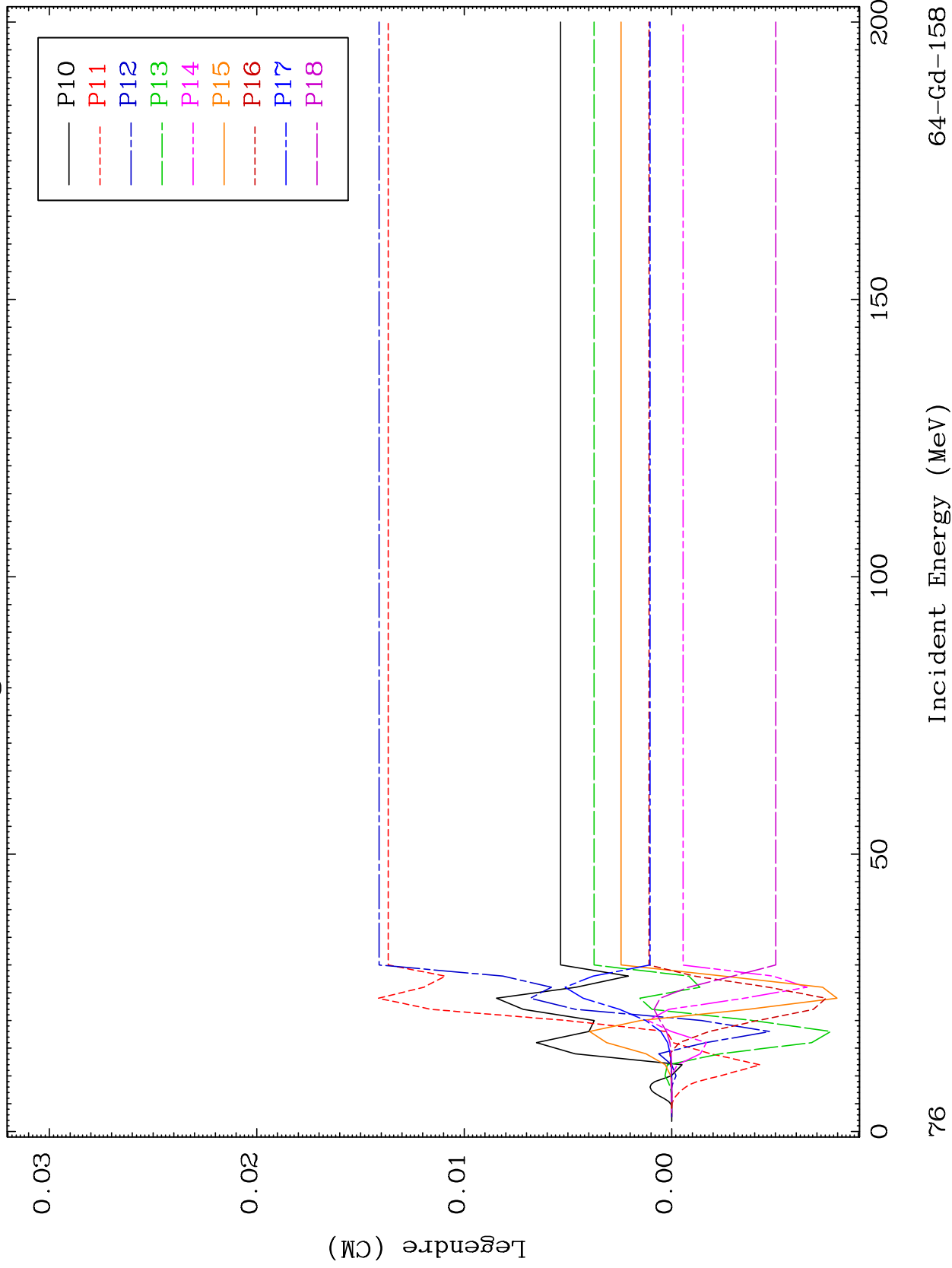
Incident Energy (MeV)

75

MAT 6443

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

64-Gd-158



76

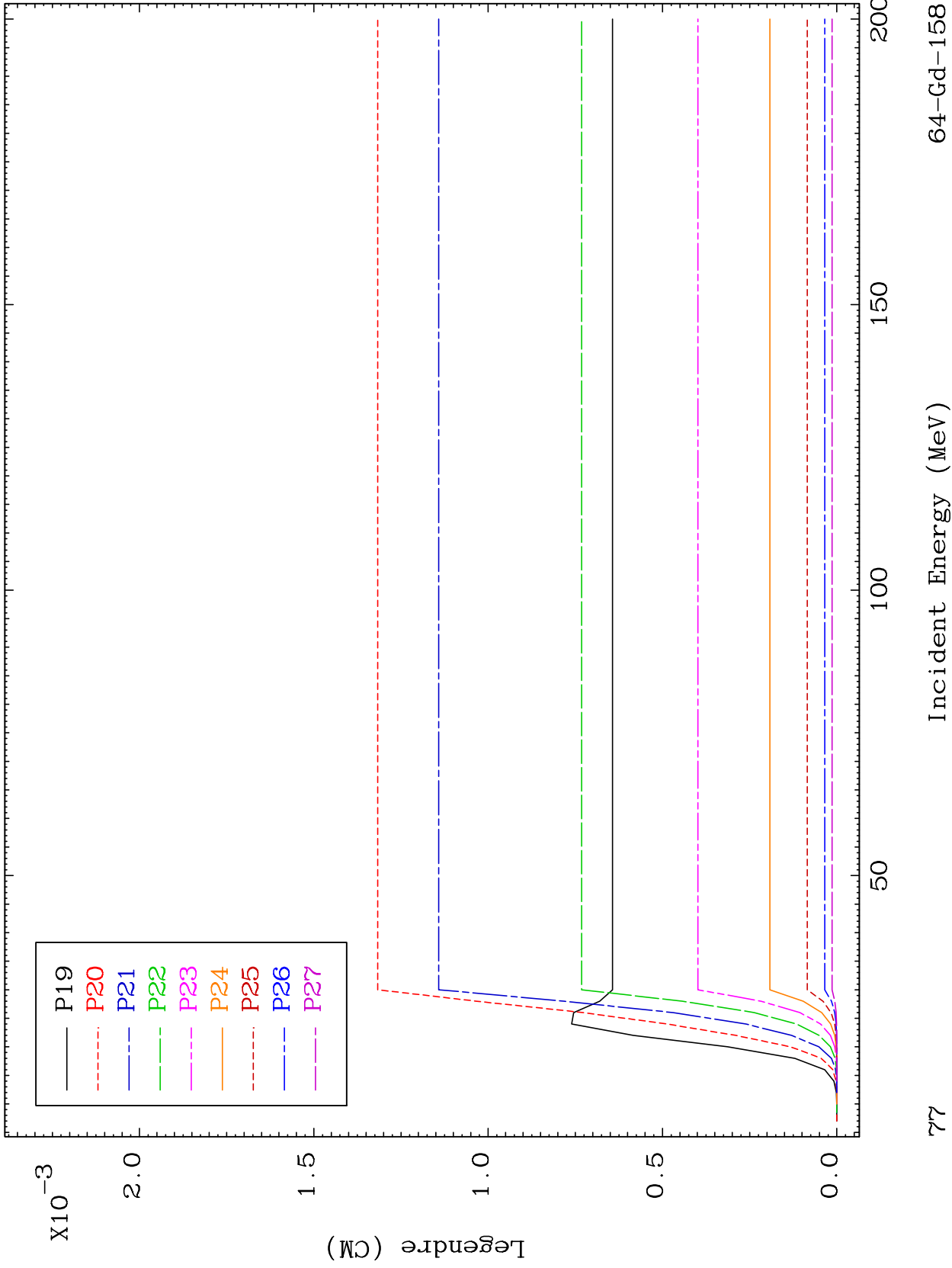
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

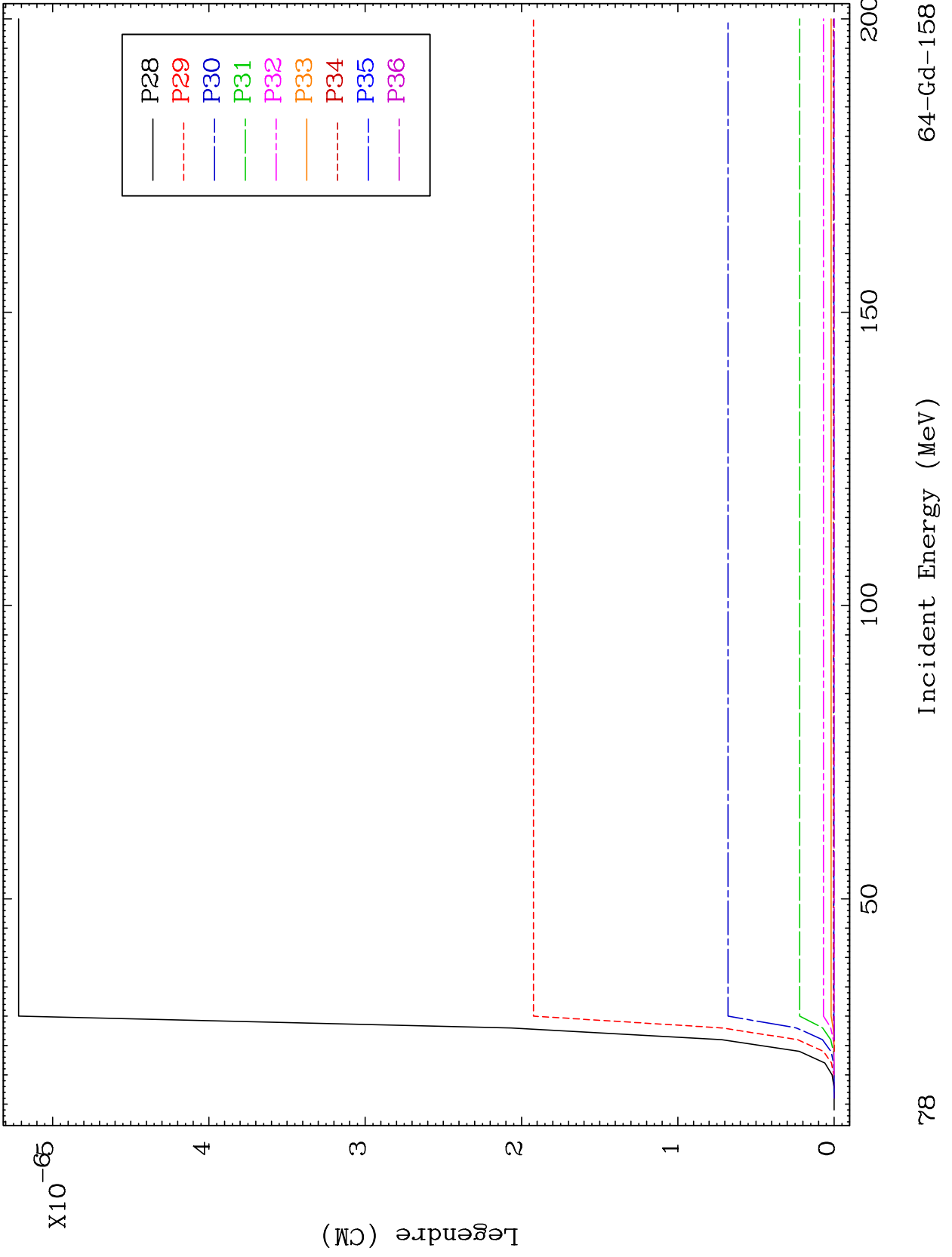
64-Gd-158



MAT 6443

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

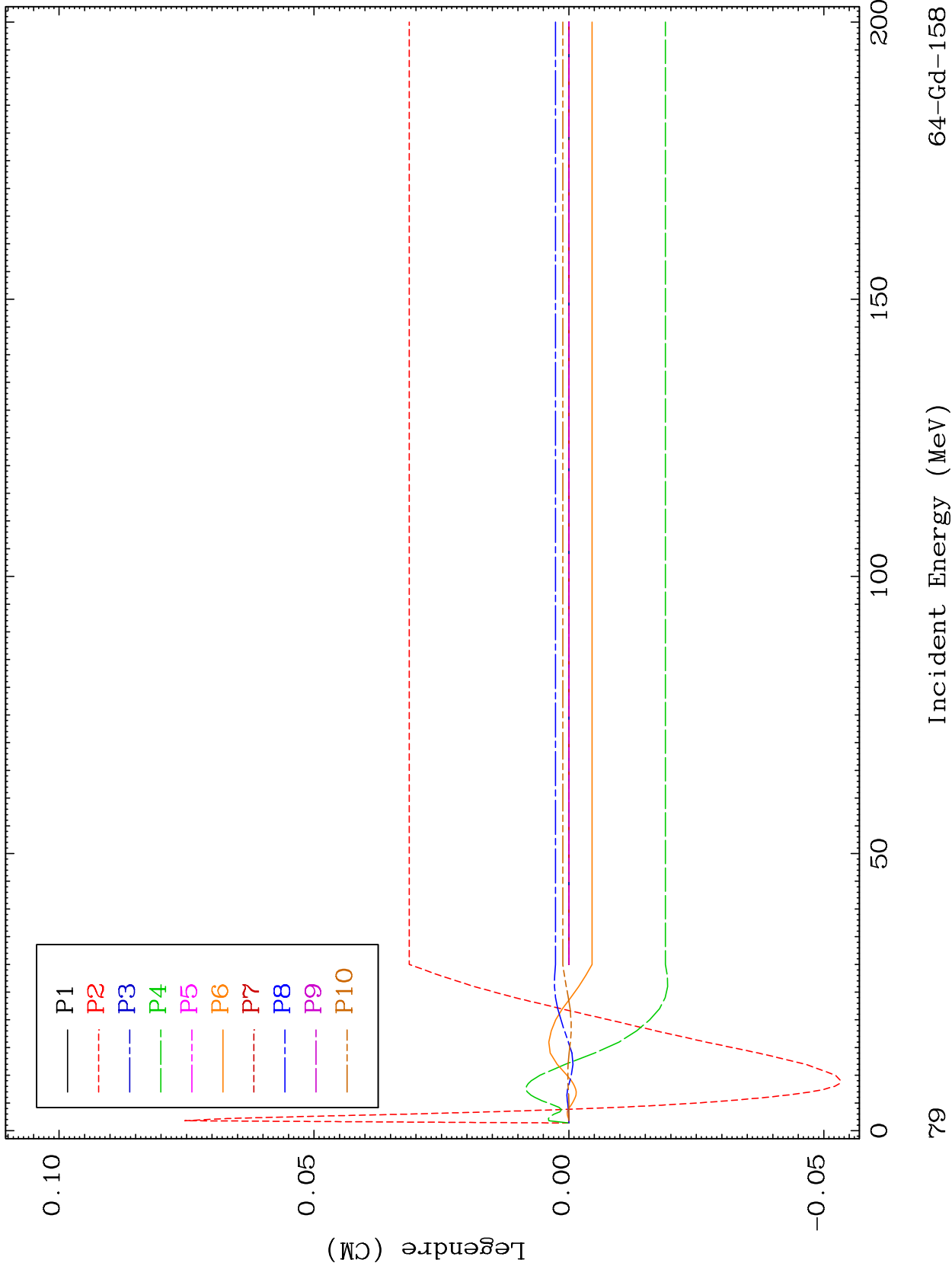
64-Gd-158



MAT 6443

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

64-Gd-158



79

Incident Energy (MeV)

64-Gd-158

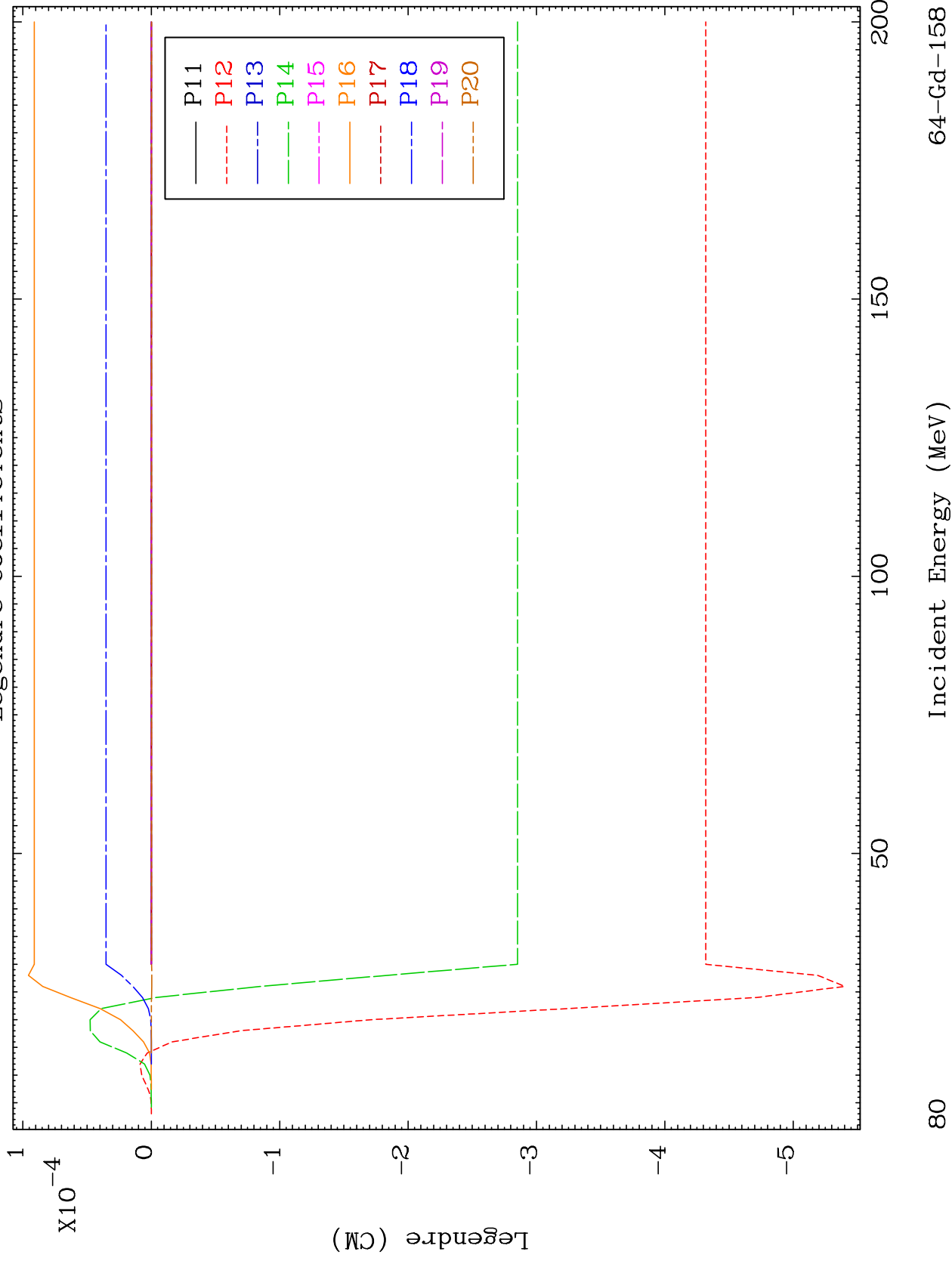


MAT 6443

MT= 67 (n,n') Level

64-Gd-158

Legendre Coefficients



80

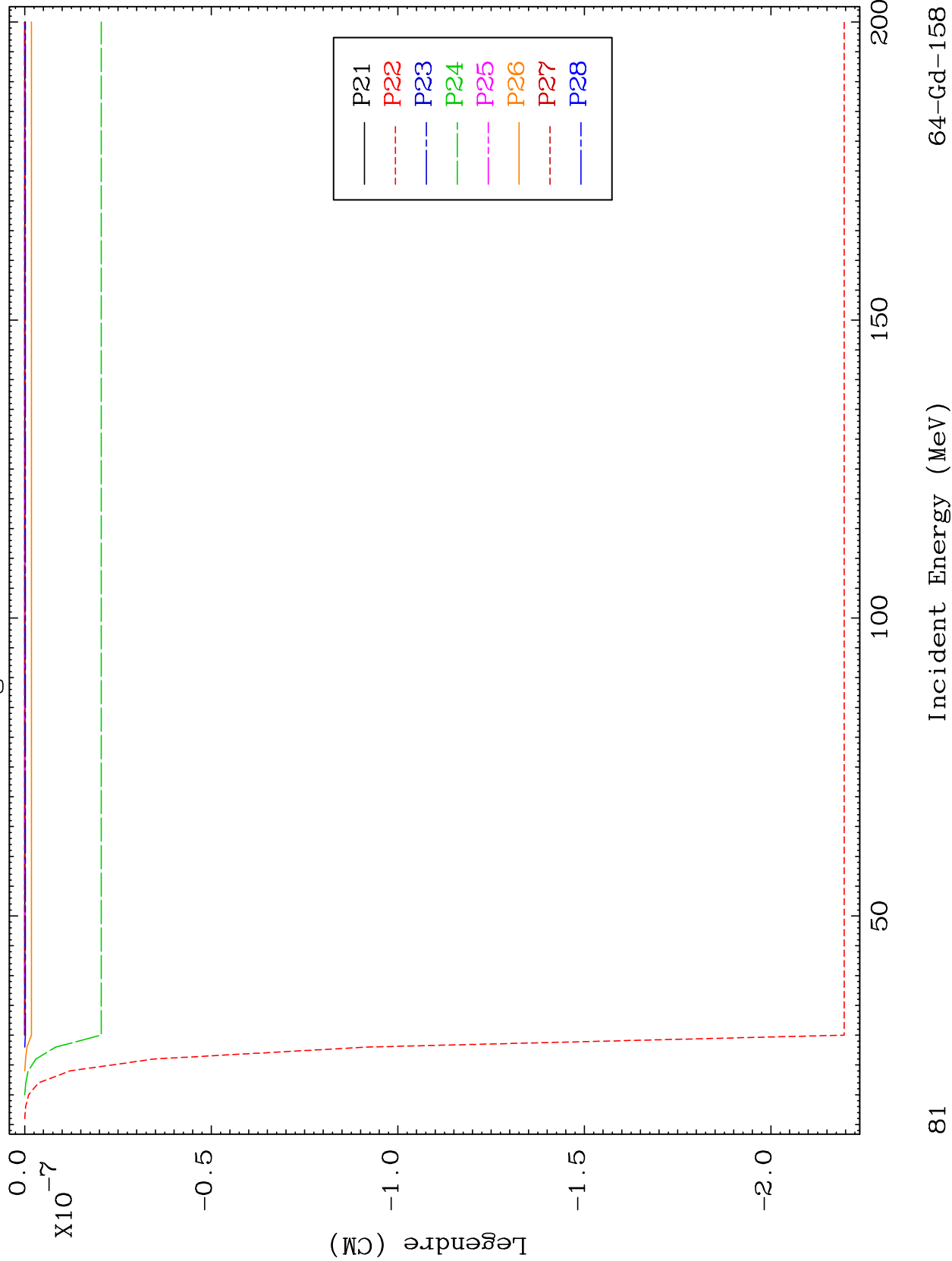
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



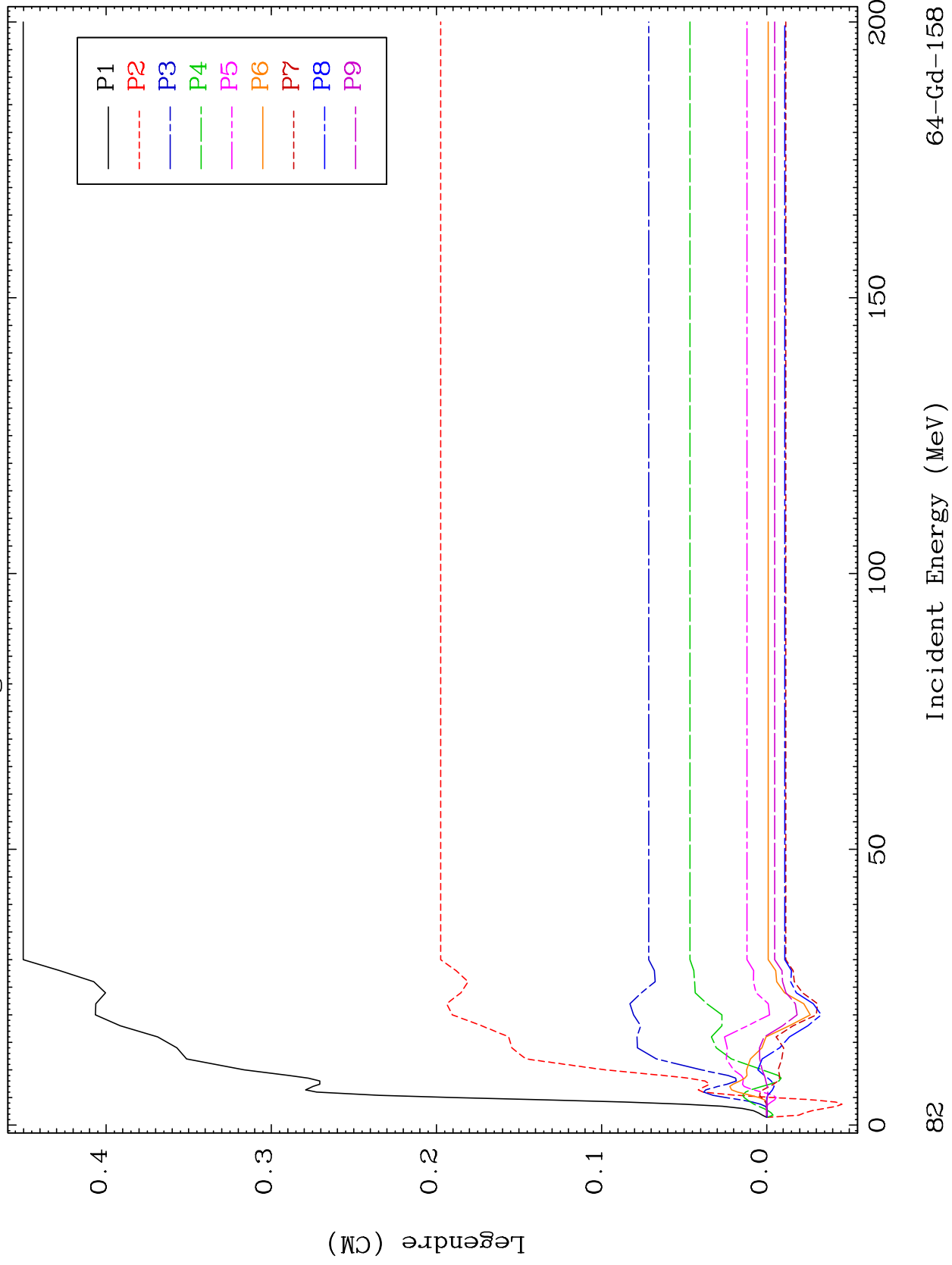
81

64-Gd-158

MAT 6443

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

64-Gd-158



64-Gd-158

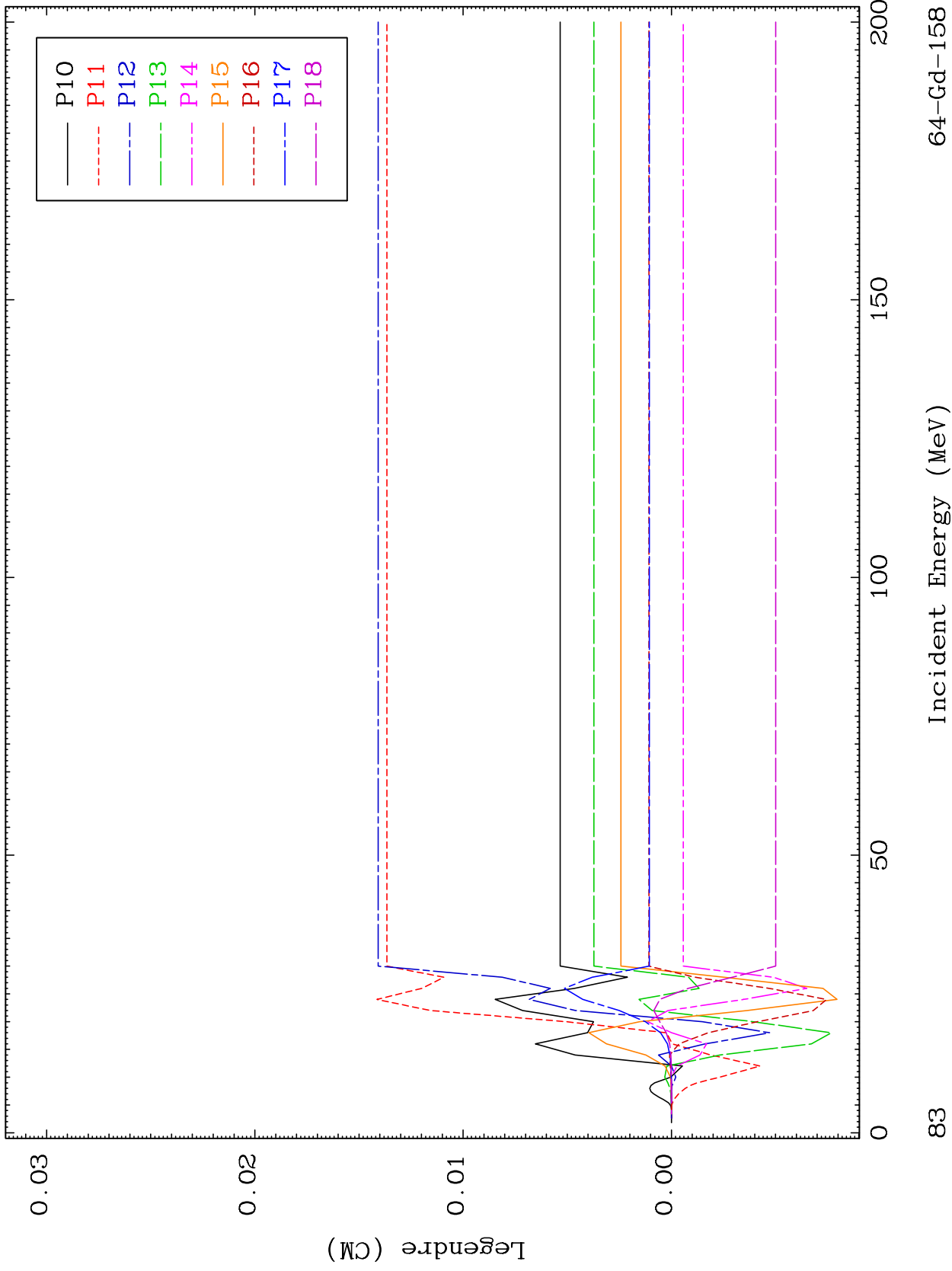
Incident Energy (MeV)

82

MAT 6443

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

64-Gd-158



83

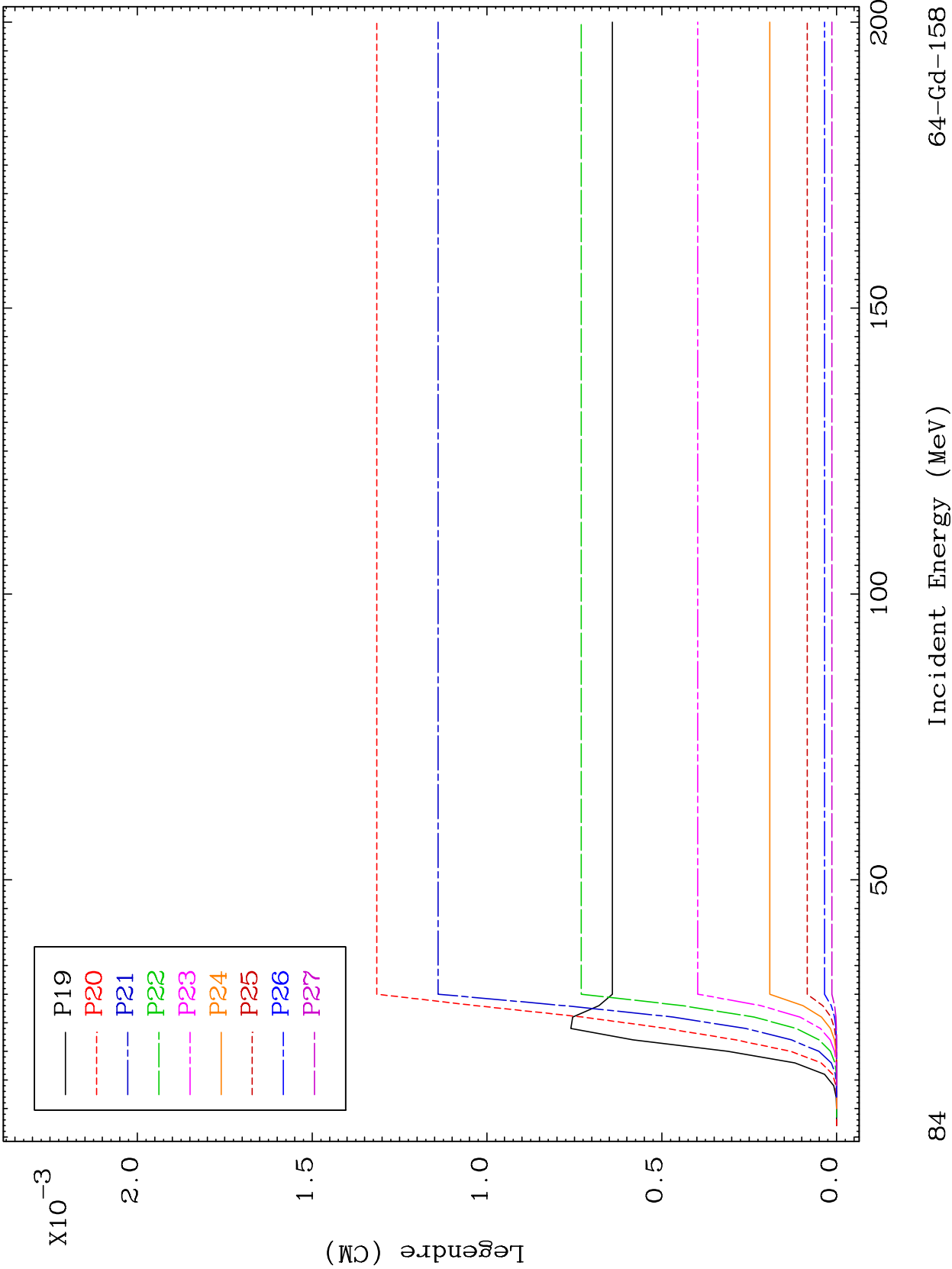
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158

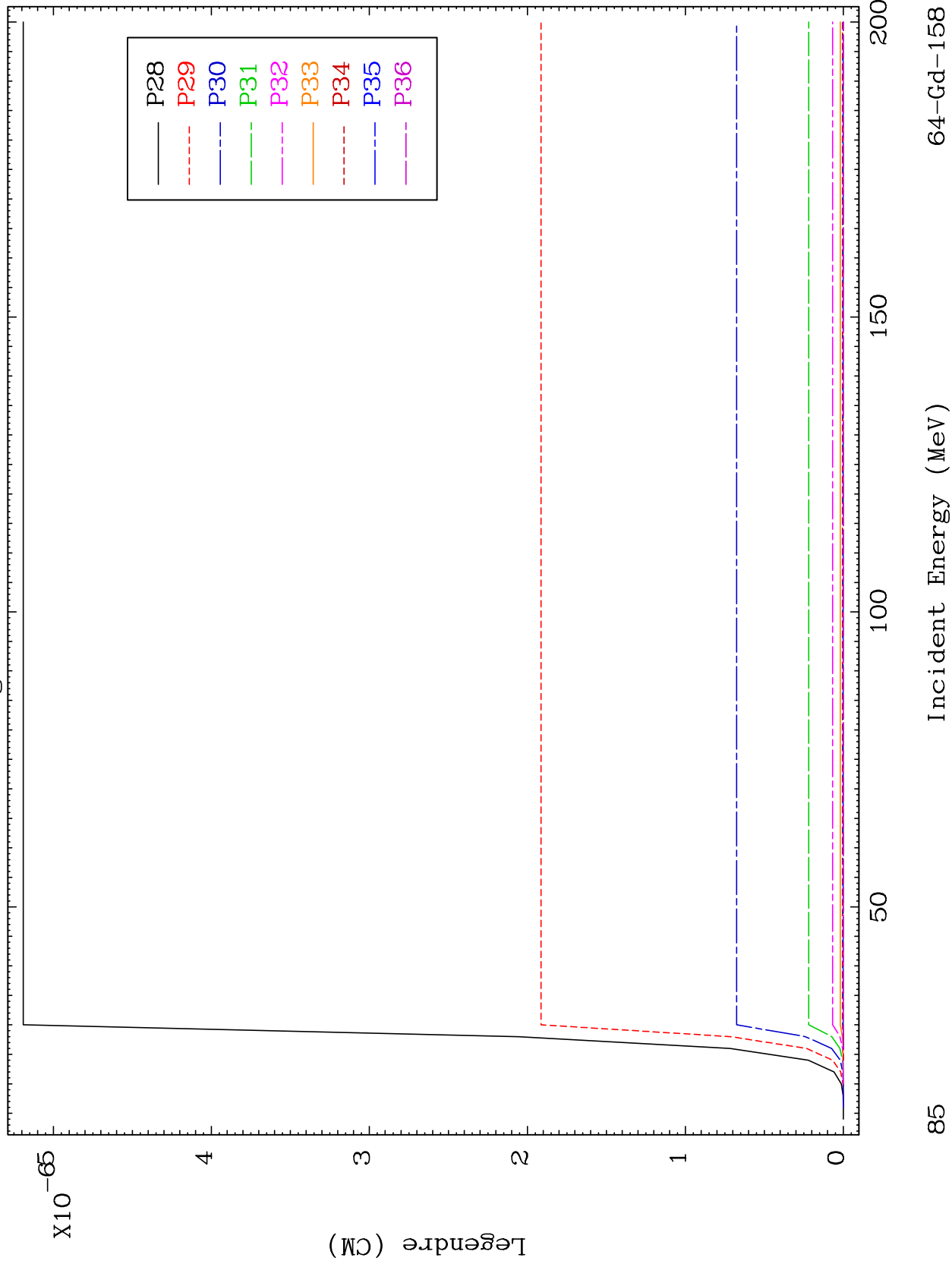


84

MAT 6443

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

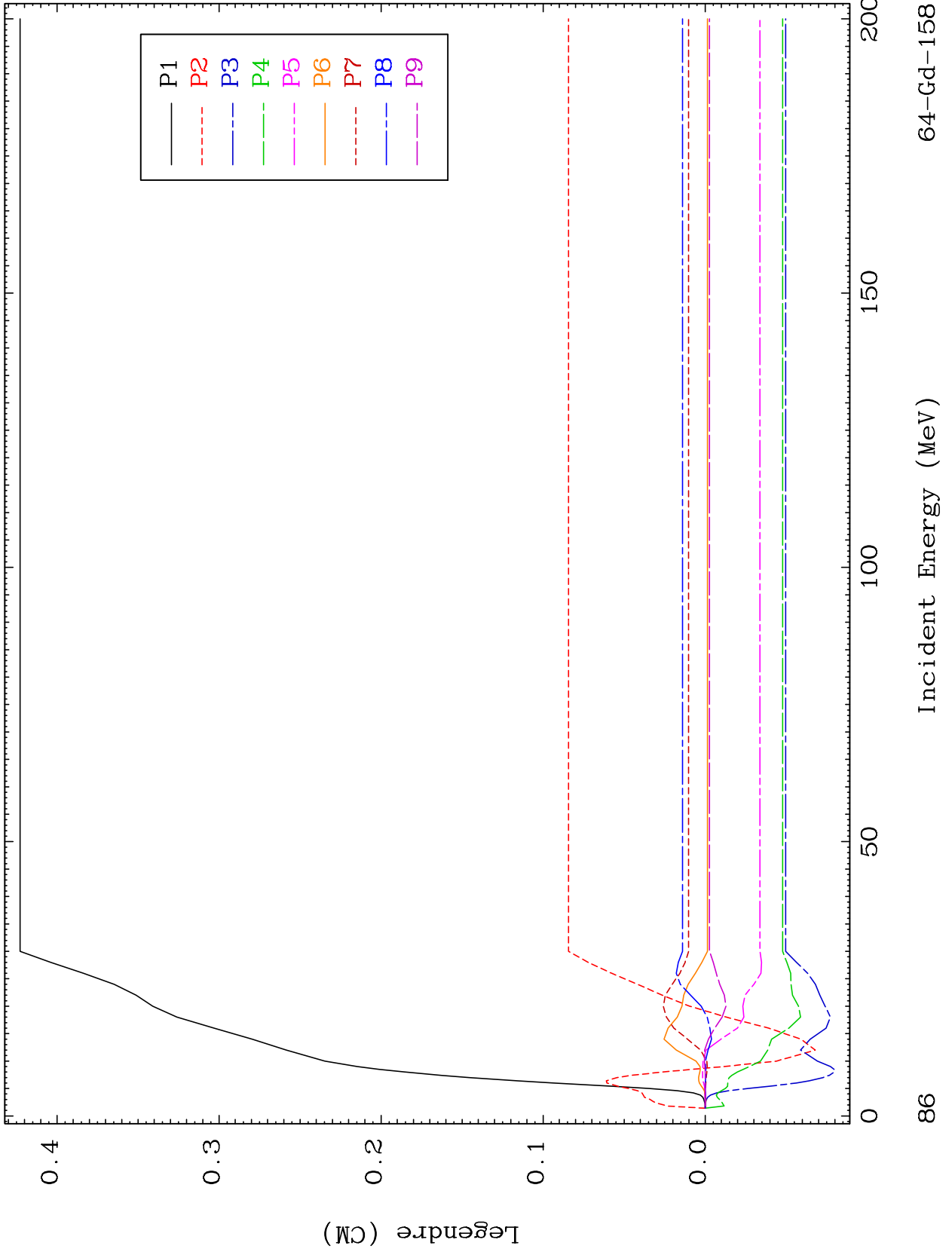
64-Gd-158



MAT 6443

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

64-Gd-158



86

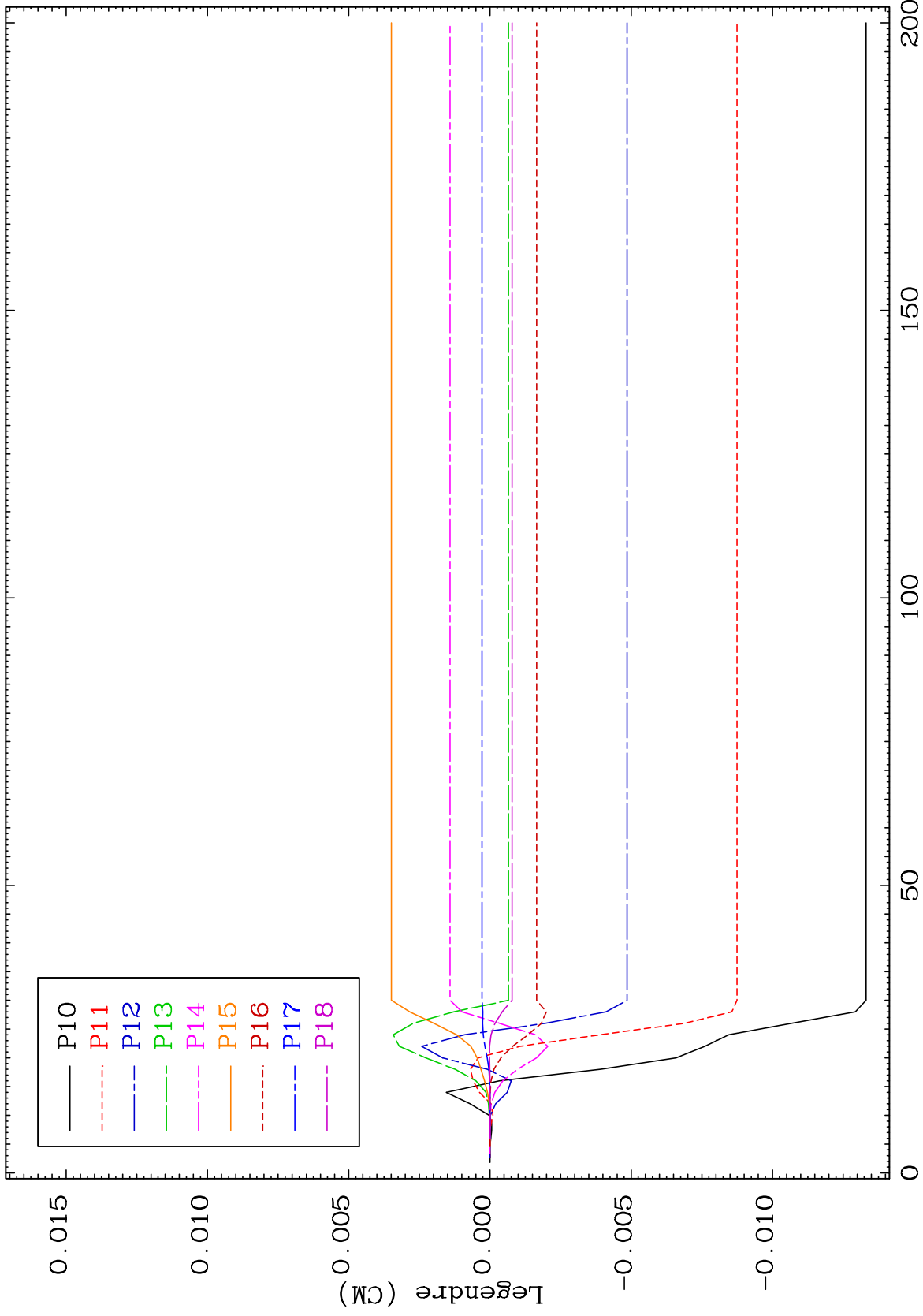
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



87

Incident Energy (MeV)

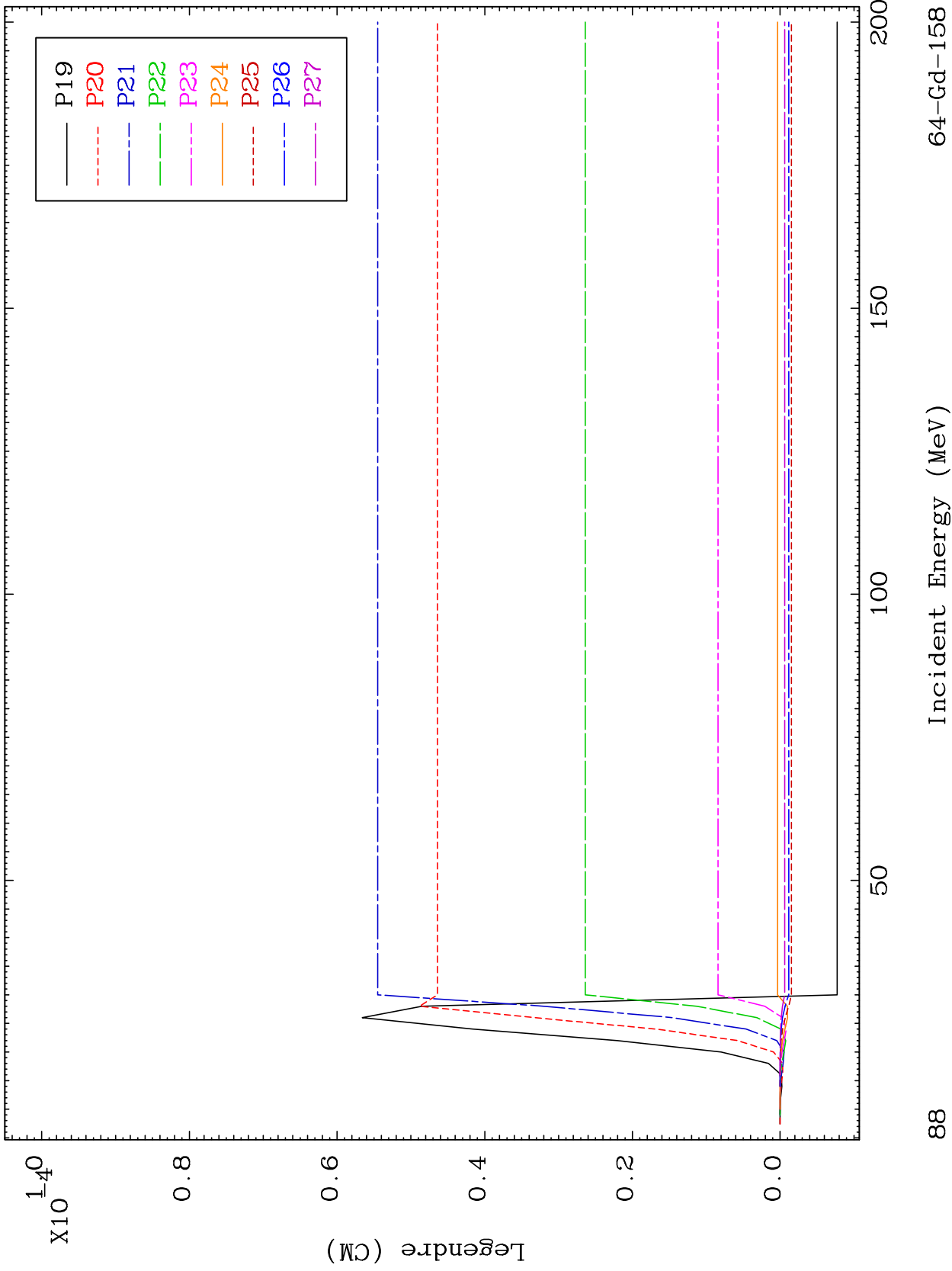
64-Gd-158



MAT 6443

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

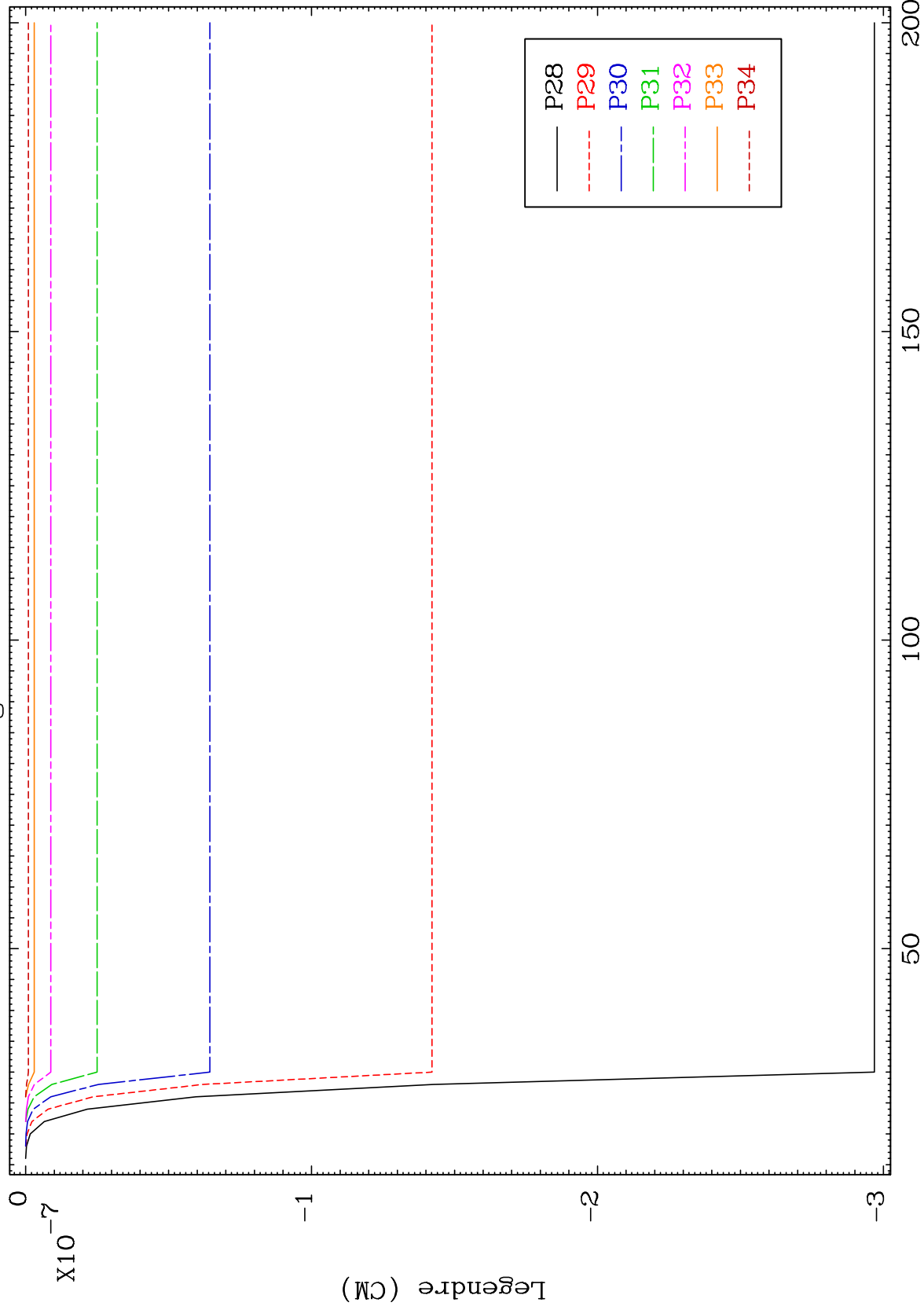
64-Gd-158



MAT 6443

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

64-Gd-158



89

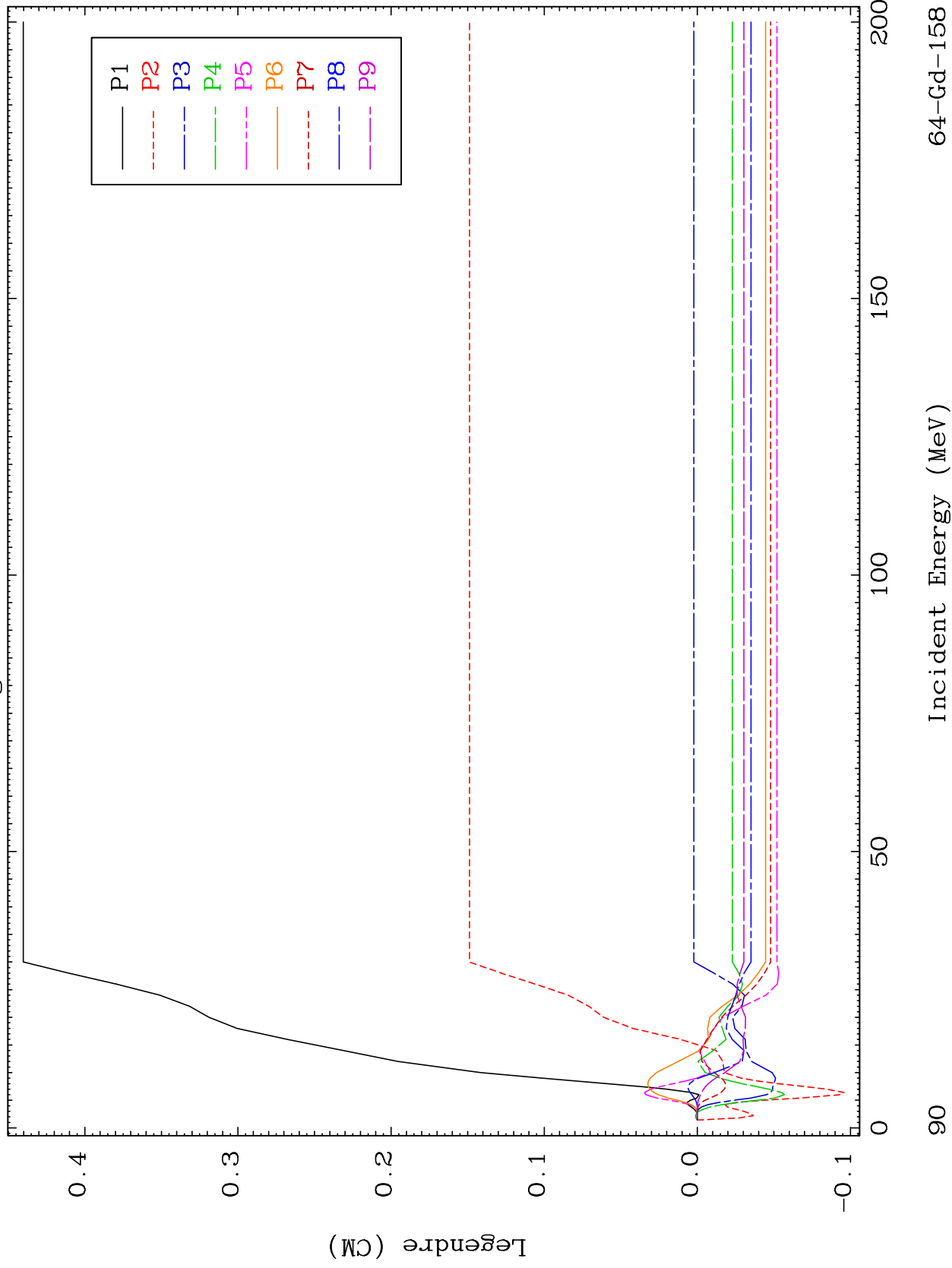
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158

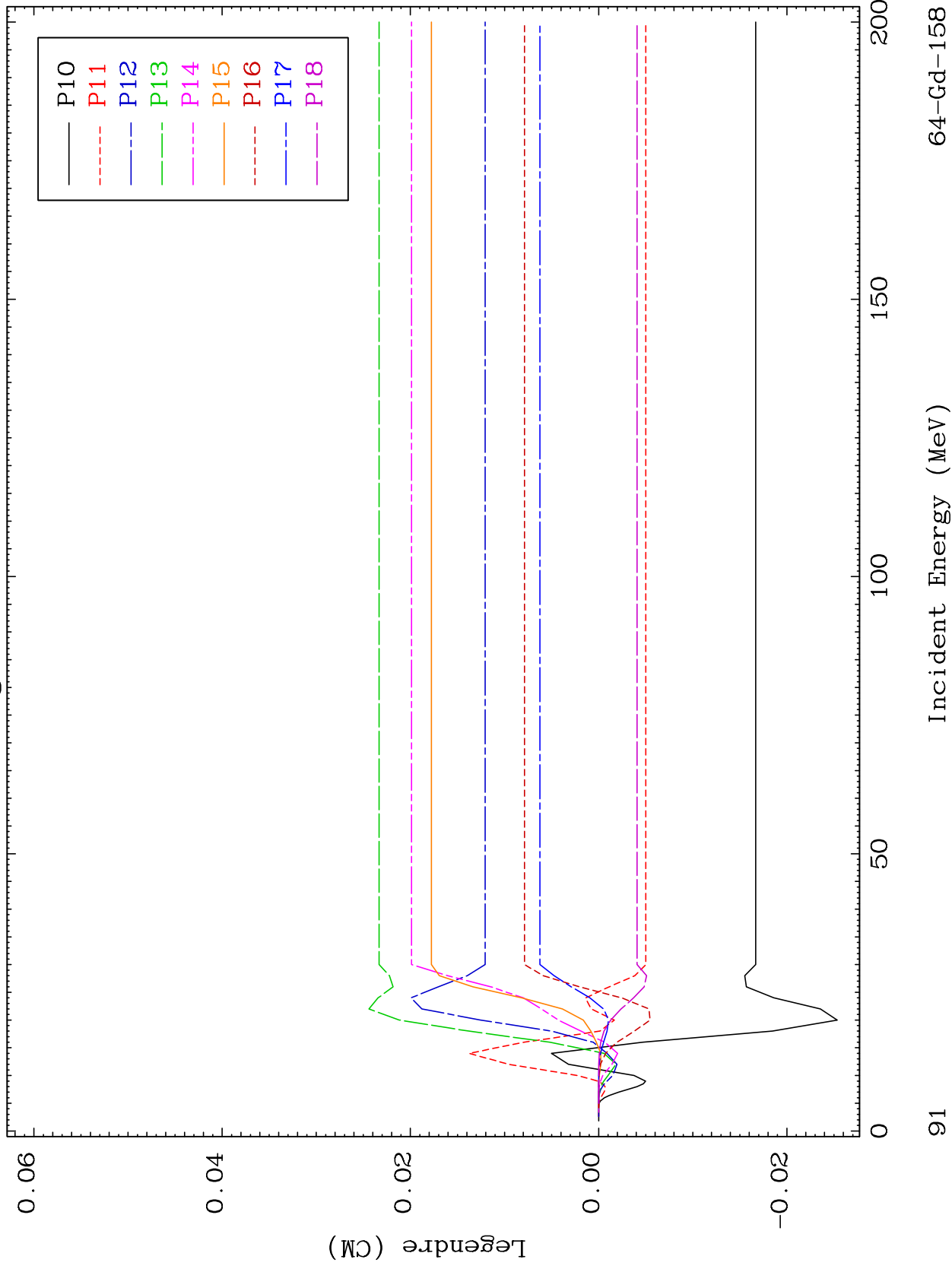


64-Gd-158

MAT 6443

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

64-Gd-158



64-Gd-158

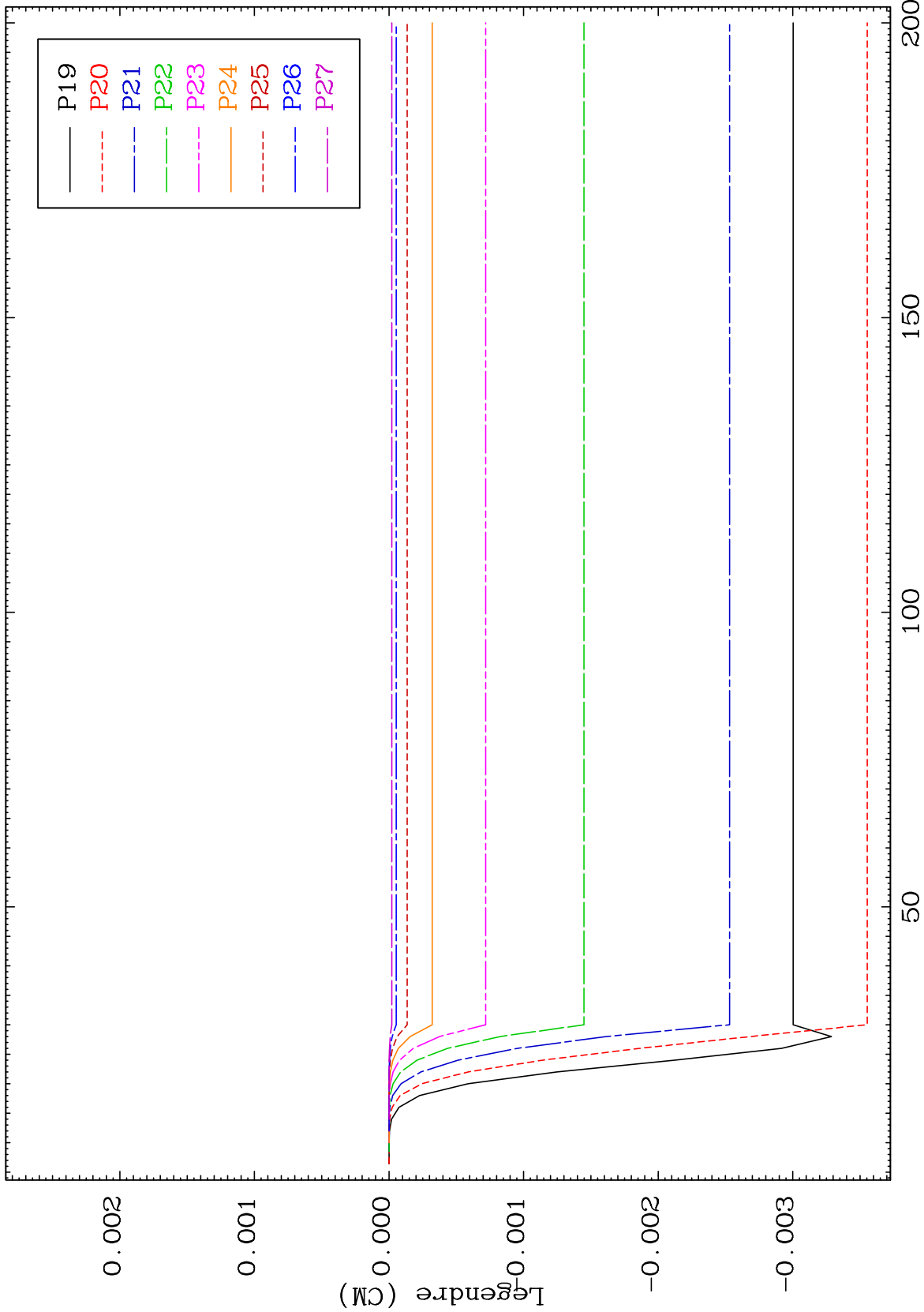
Incident Energy (MeV)

91

MAT 6443

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

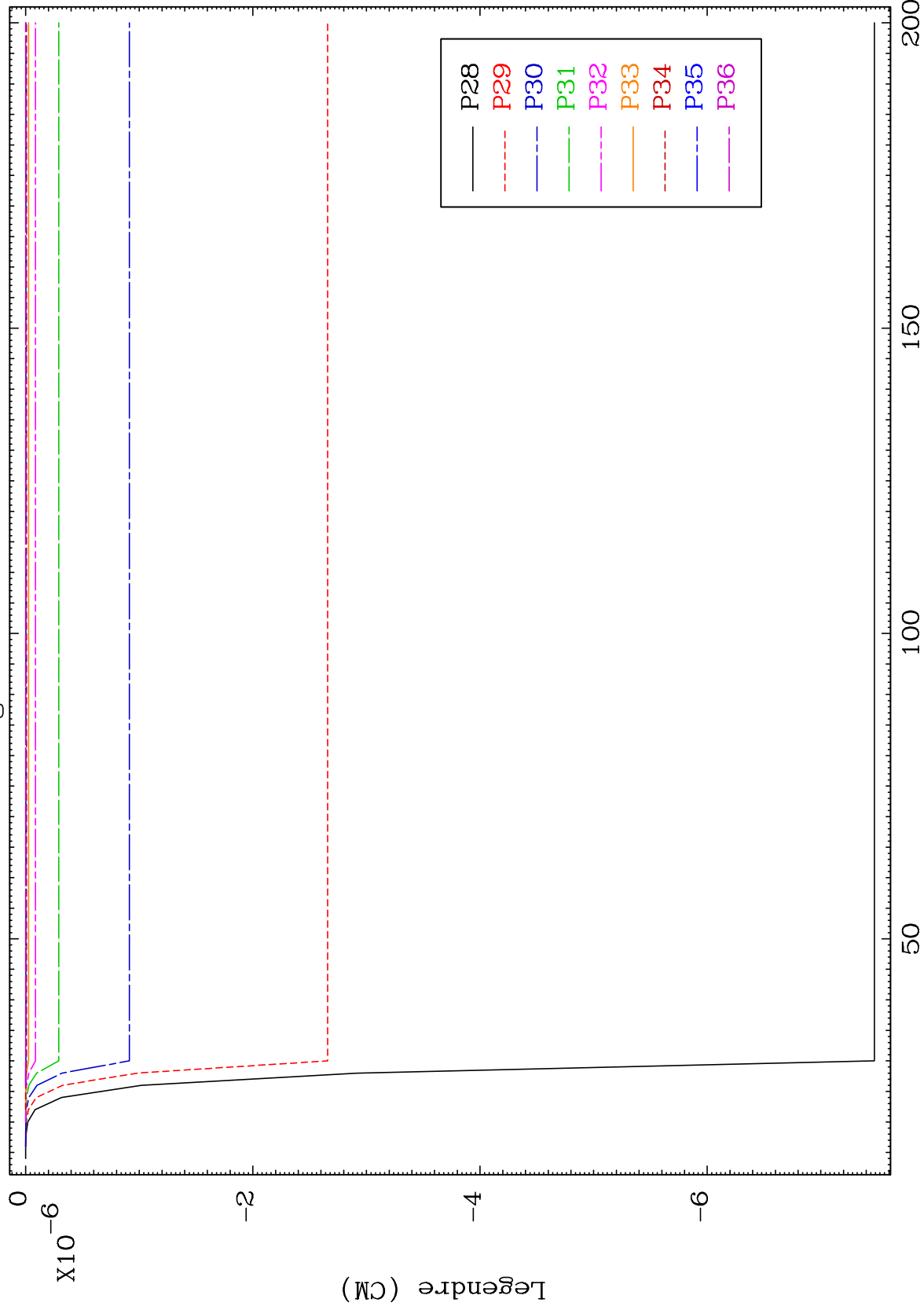
64-Gd-158



MAT 6443

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

64-Gd-158



93

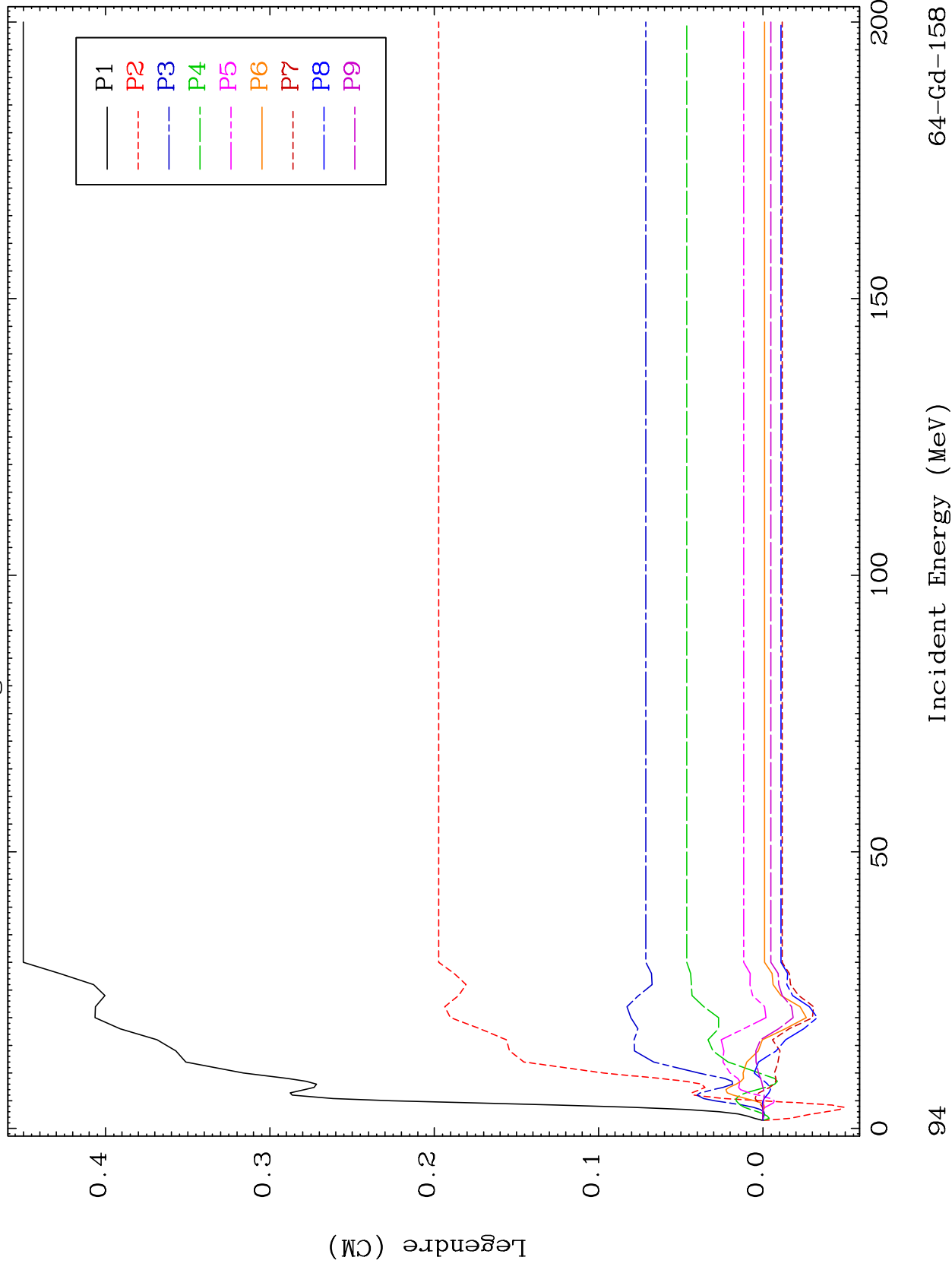
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



64-Gd-158

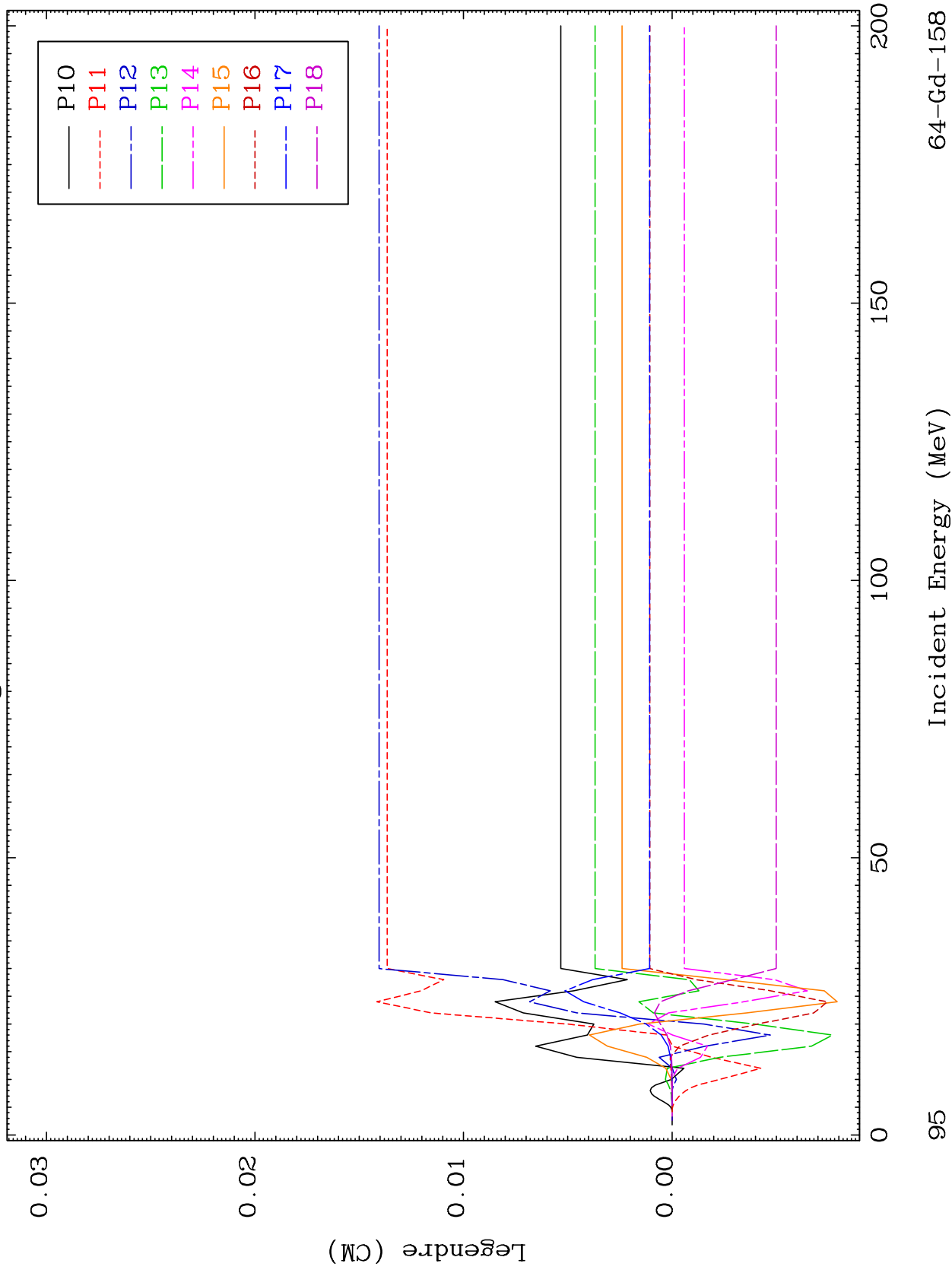
Incident Energy (MeV)

94

MAT 6443

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

64-Gd-158

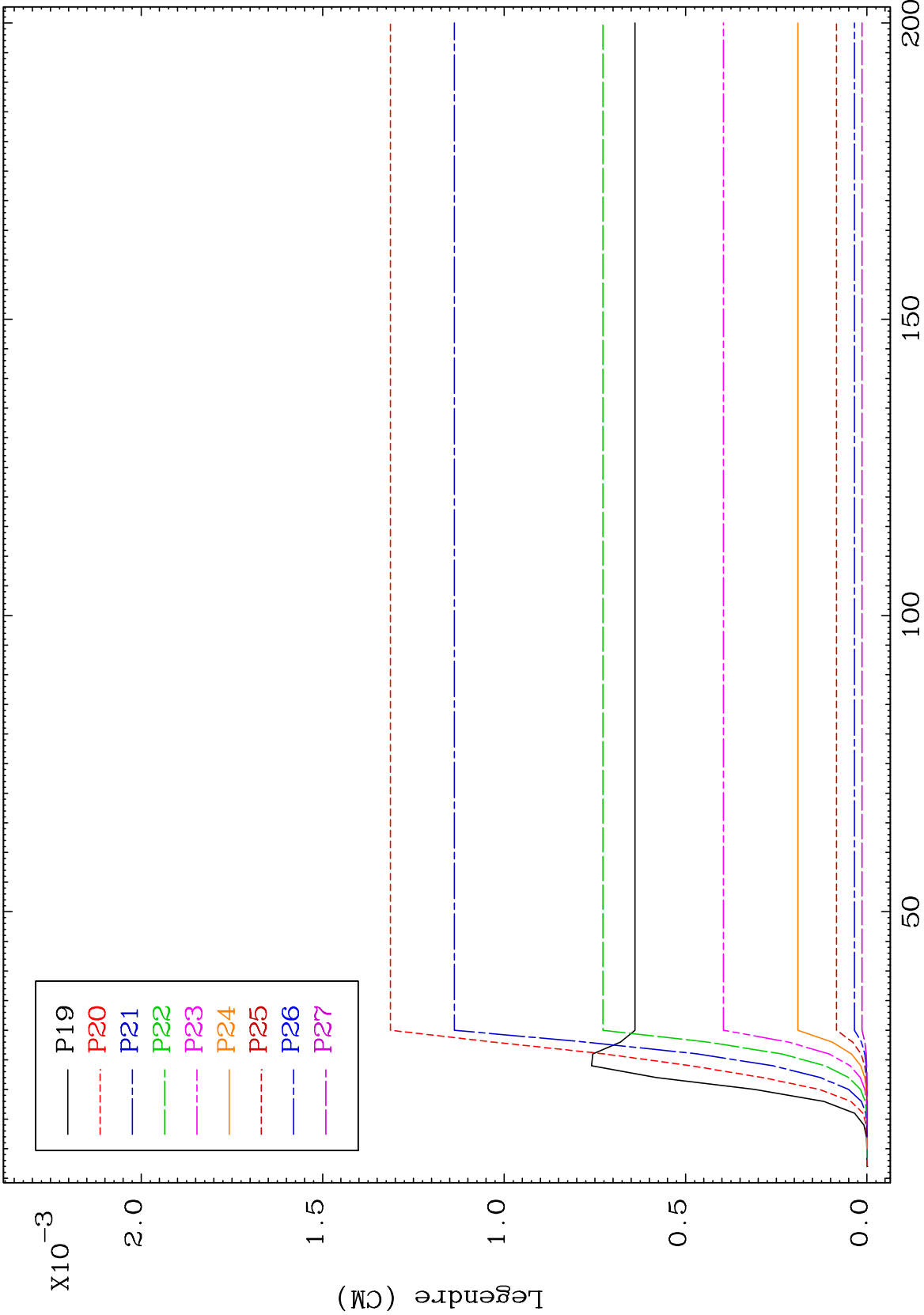




MAT 6443

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

64-Gd-158



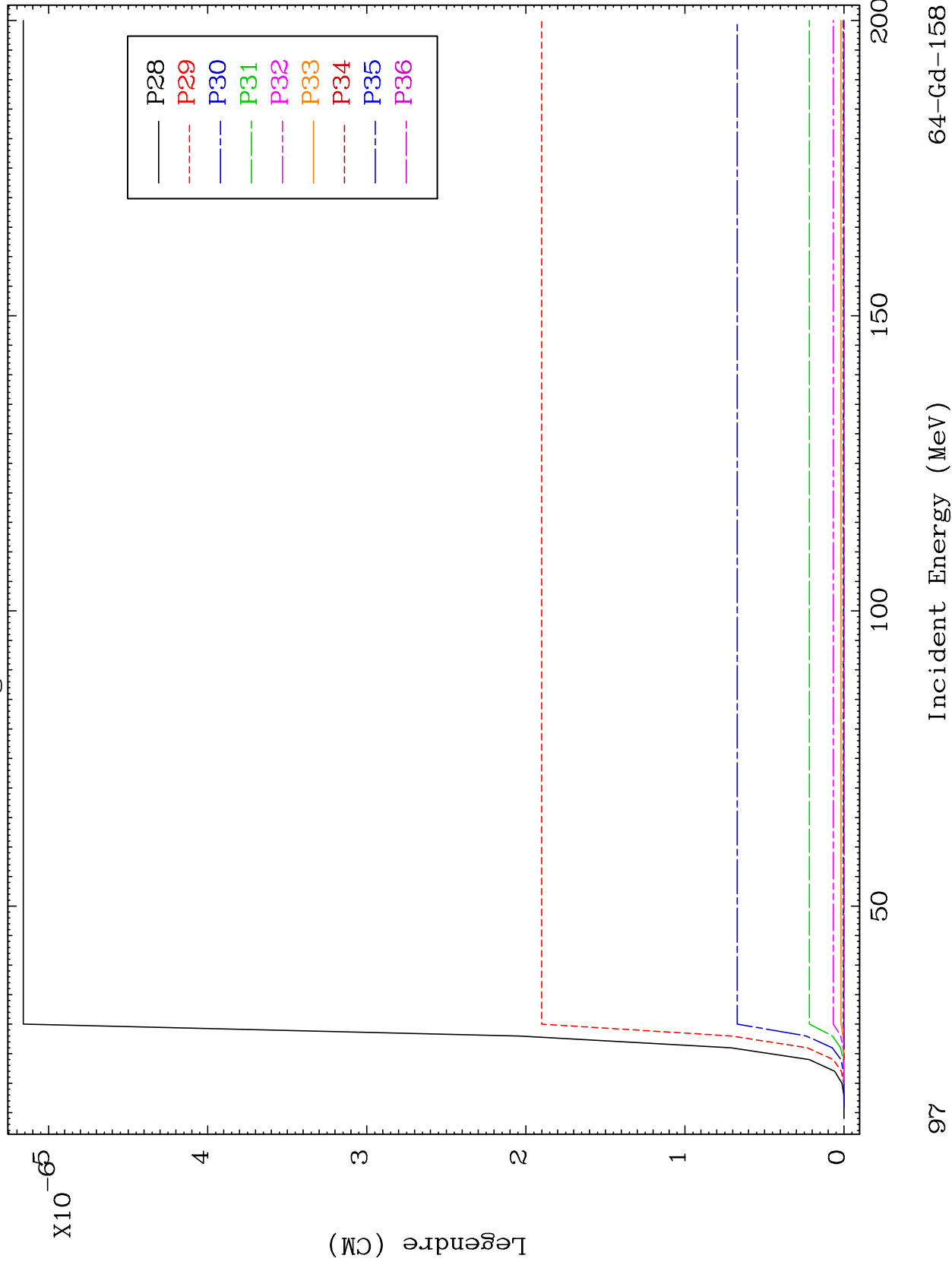
96

64-Gd-158

MAT 6443

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

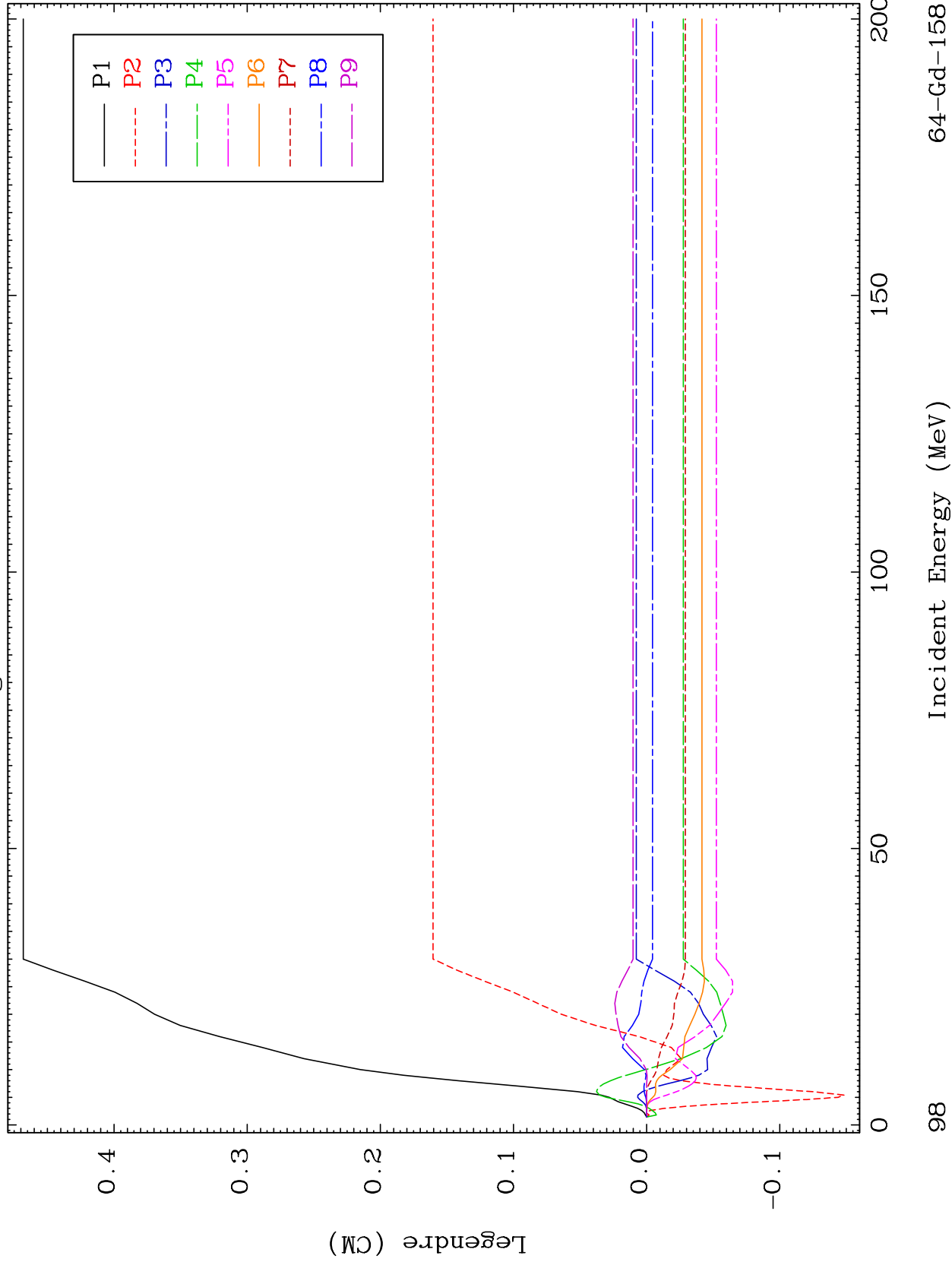
64-Gd-158



MAT 6443

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

64-Gd-158



64-Gd-158

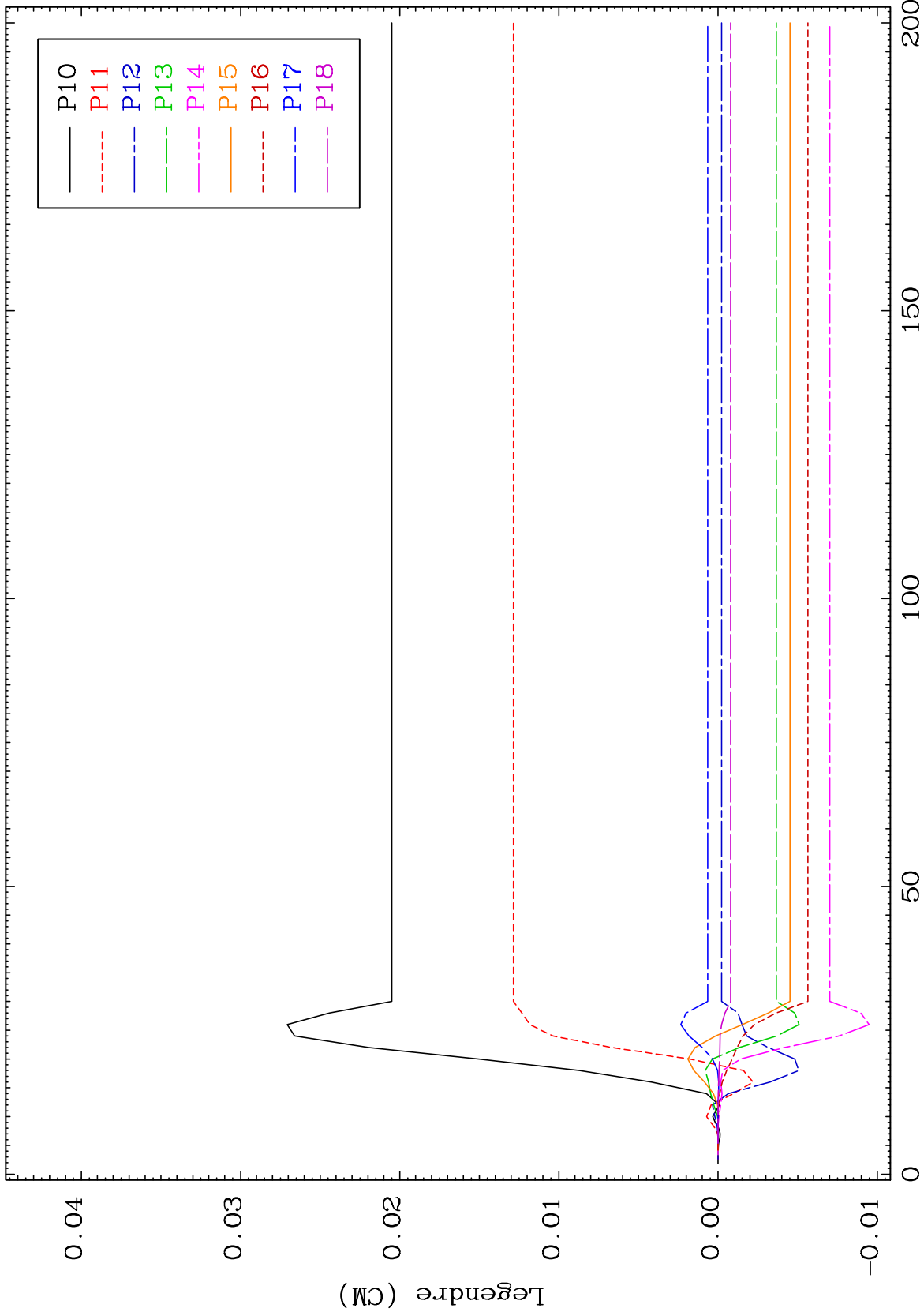
Incident Energy (MeV)

98

MAT 6443

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

64-Gd-158



99

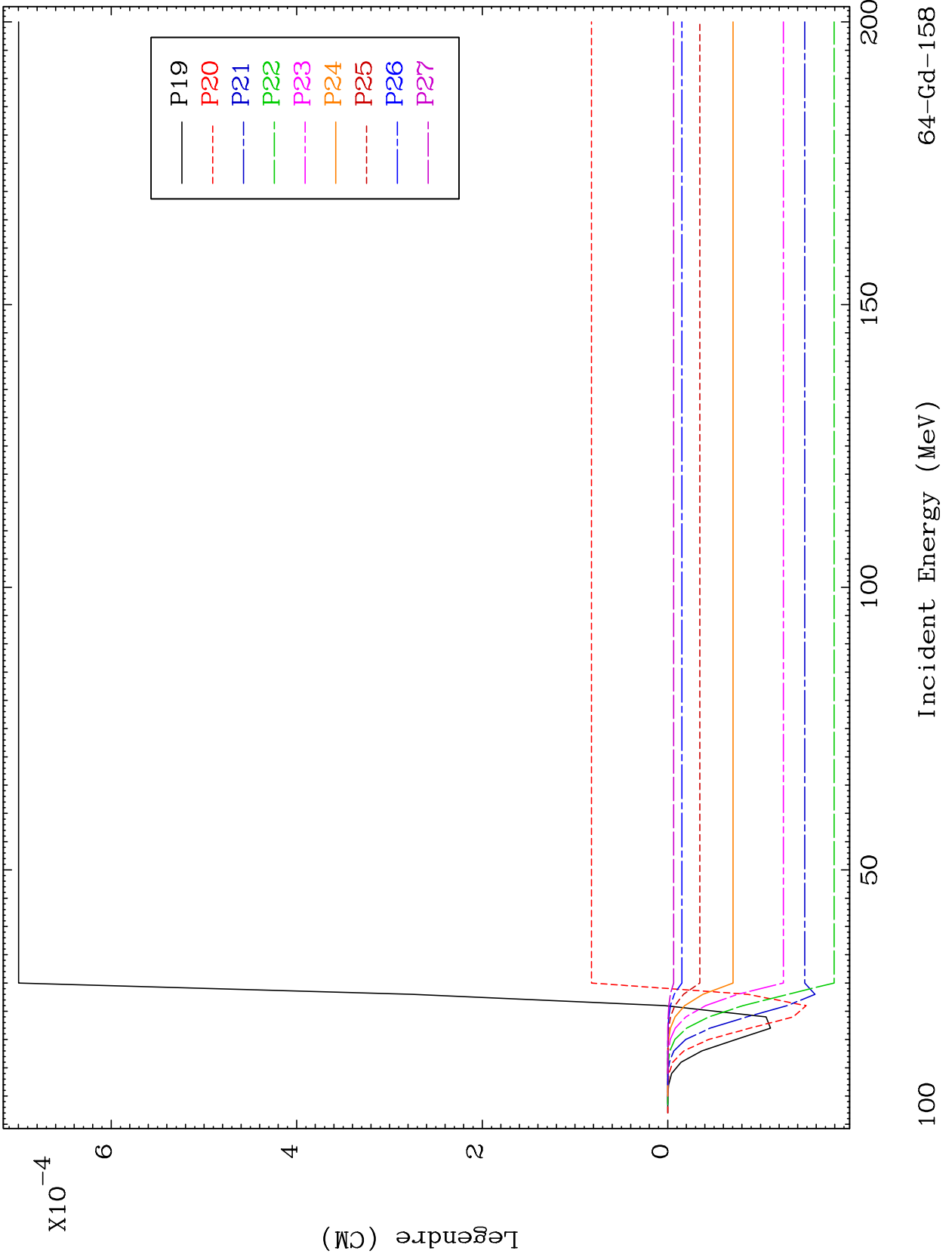
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

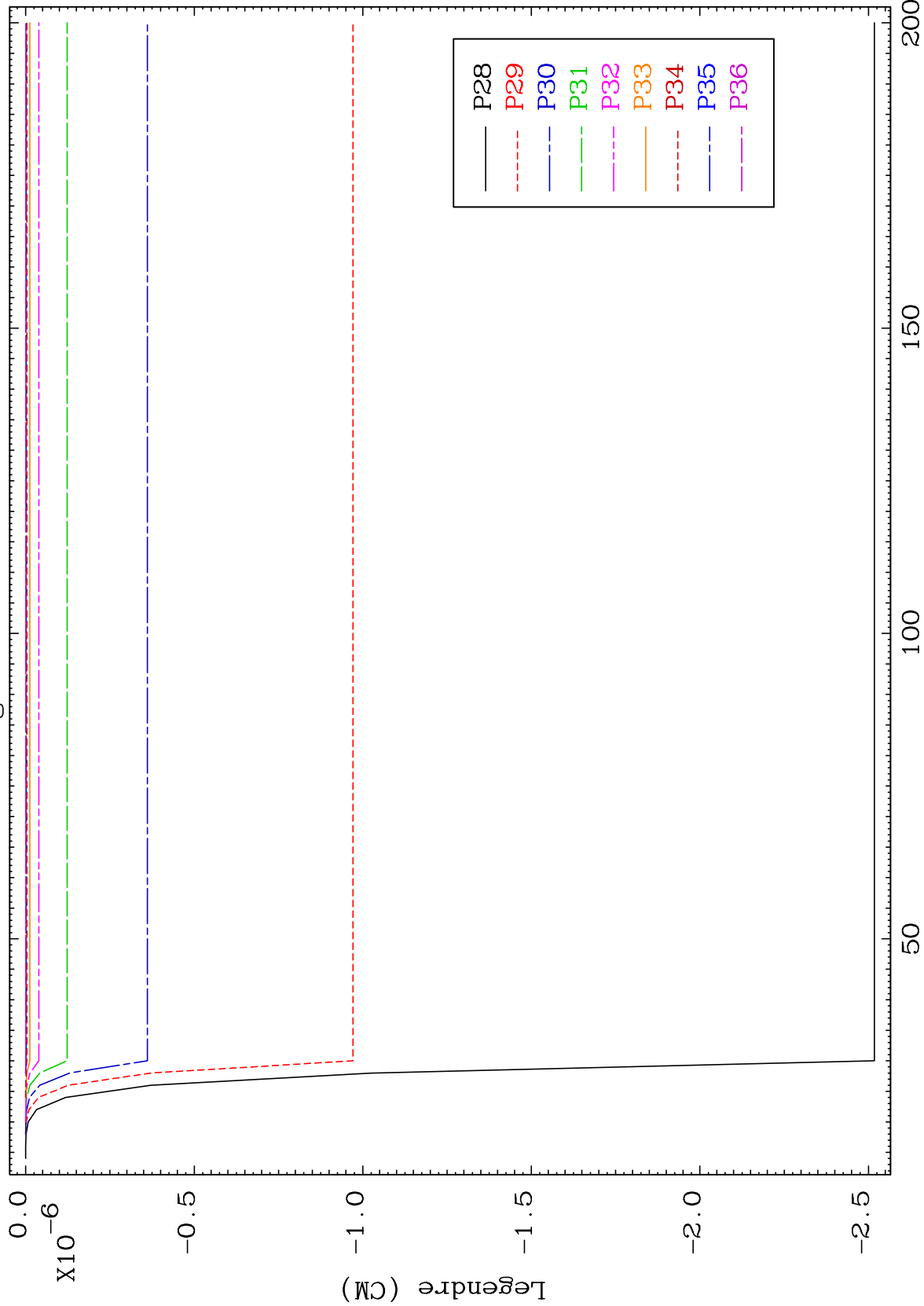
64-Gd-158



MAT 6443

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

64-Gd-158



101

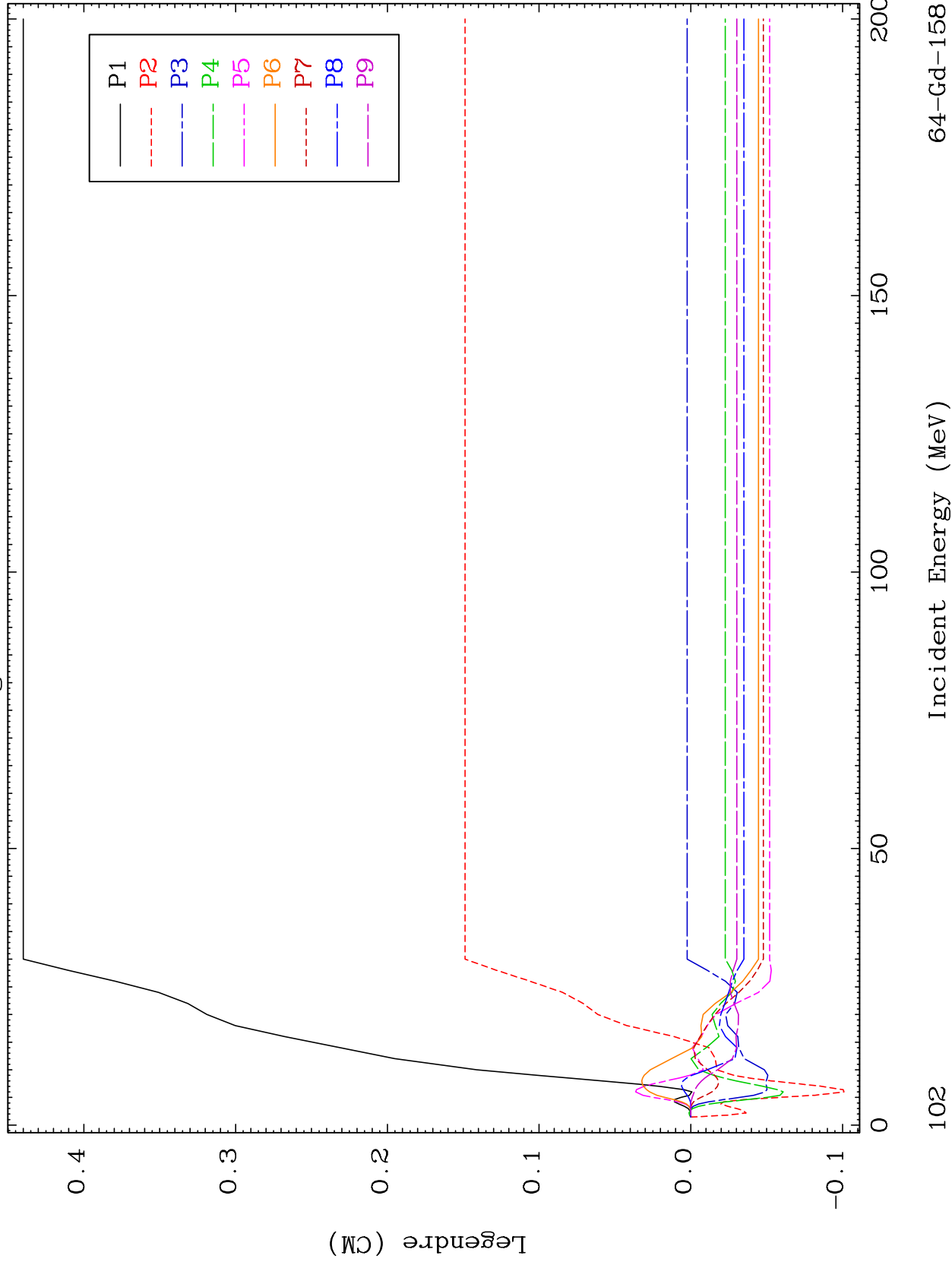
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



102

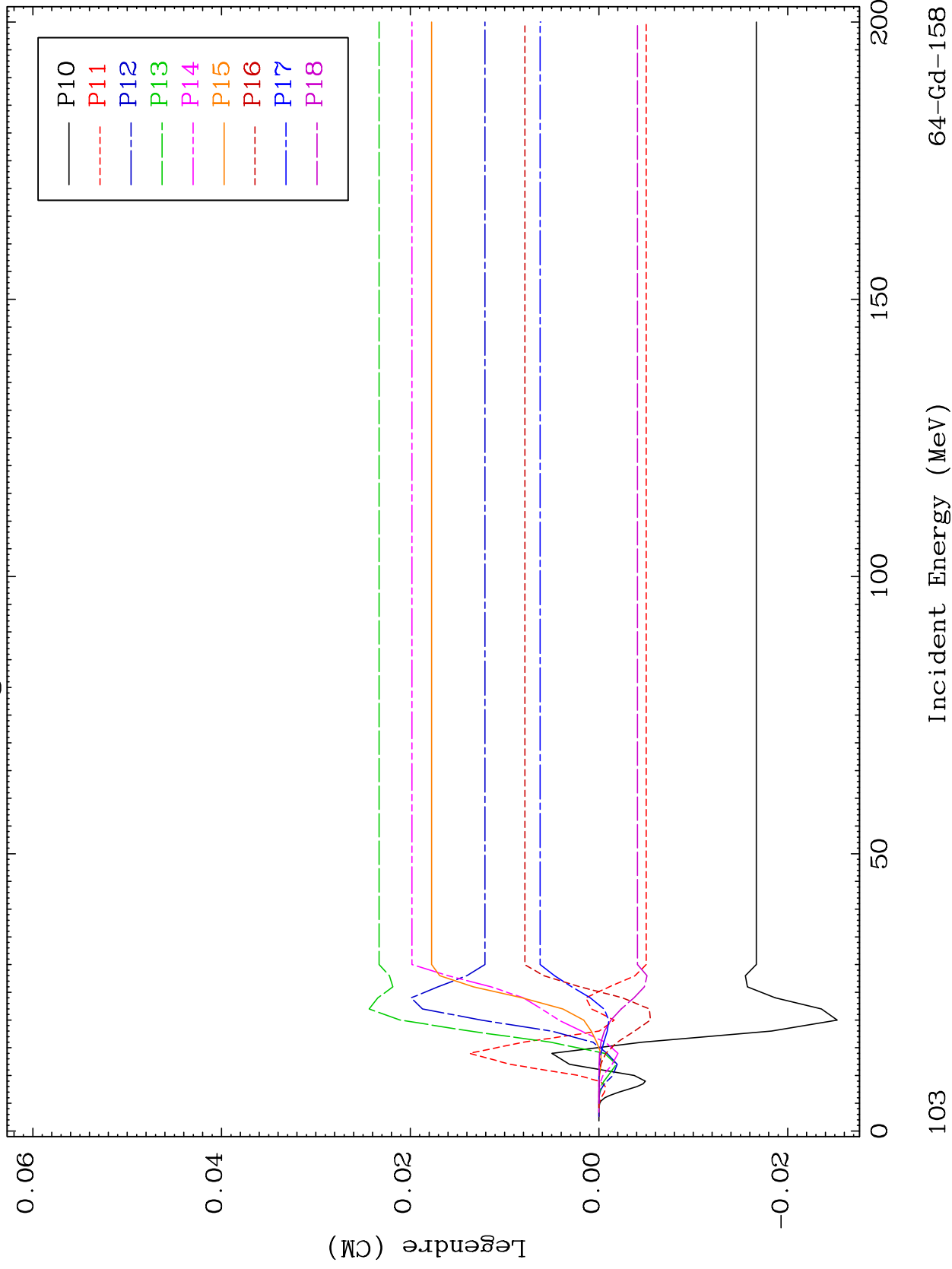
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



64-Gd-158

Incident Energy (MeV)

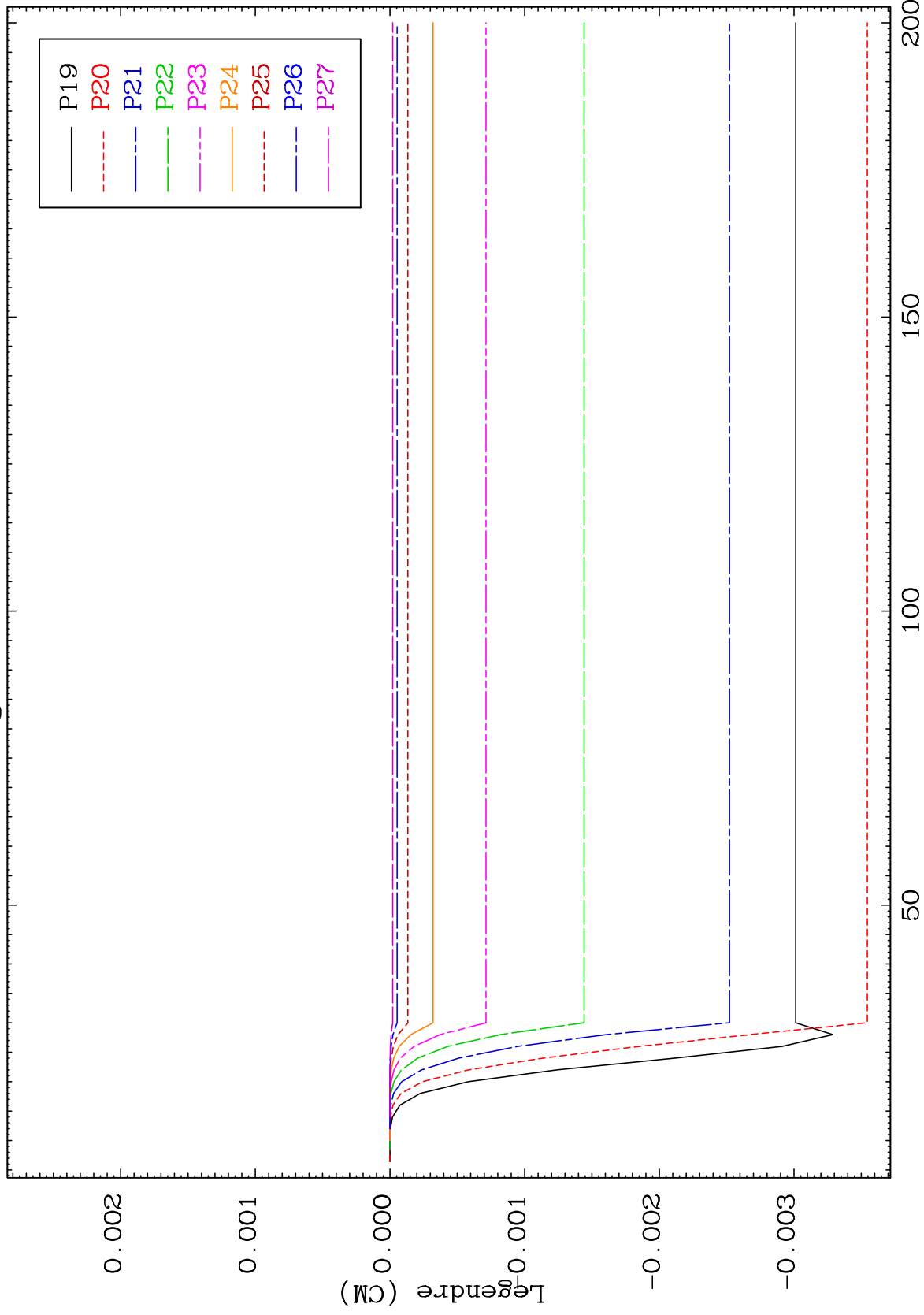
103



MAT 6443

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

64-Gd-158



104

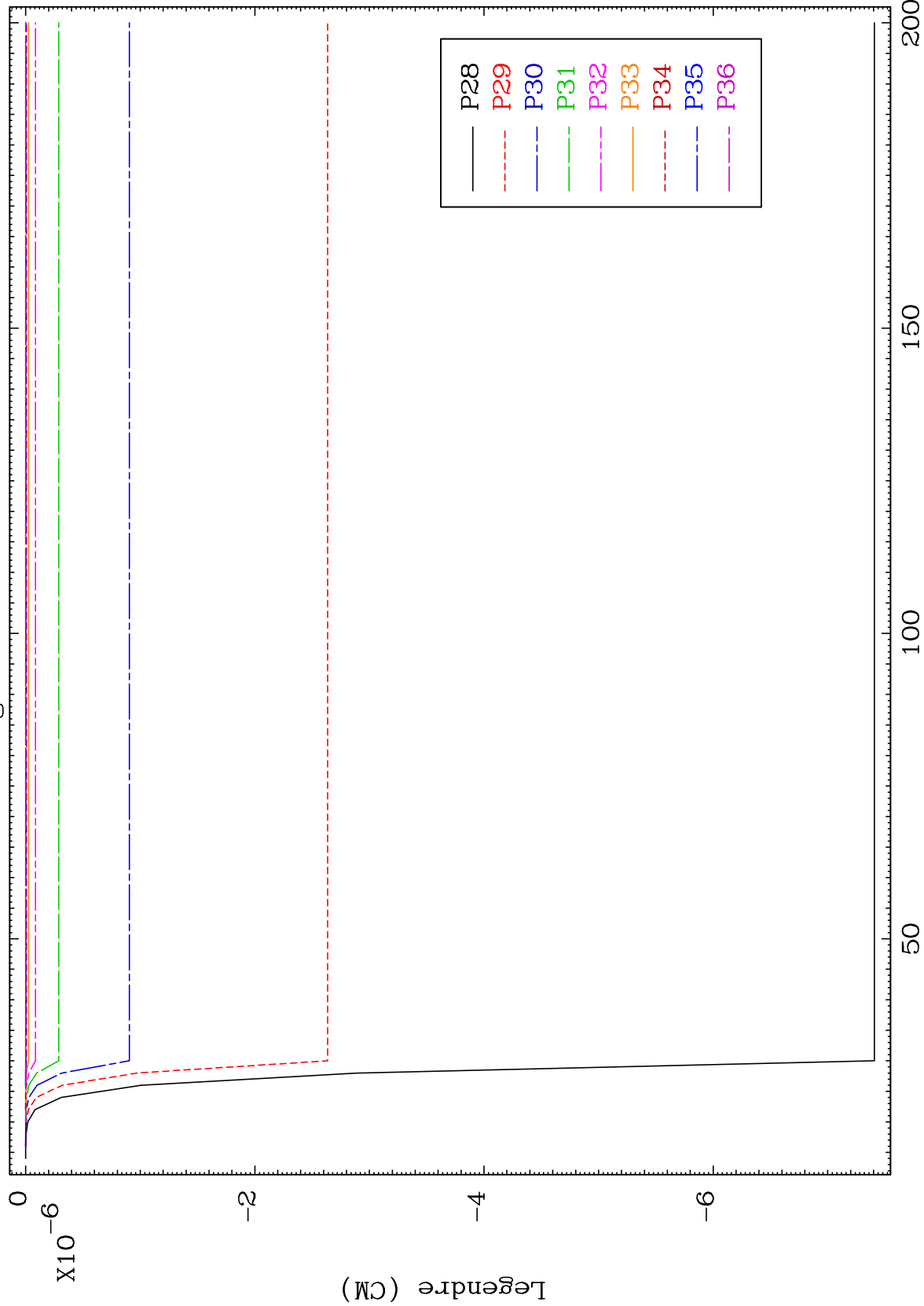
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

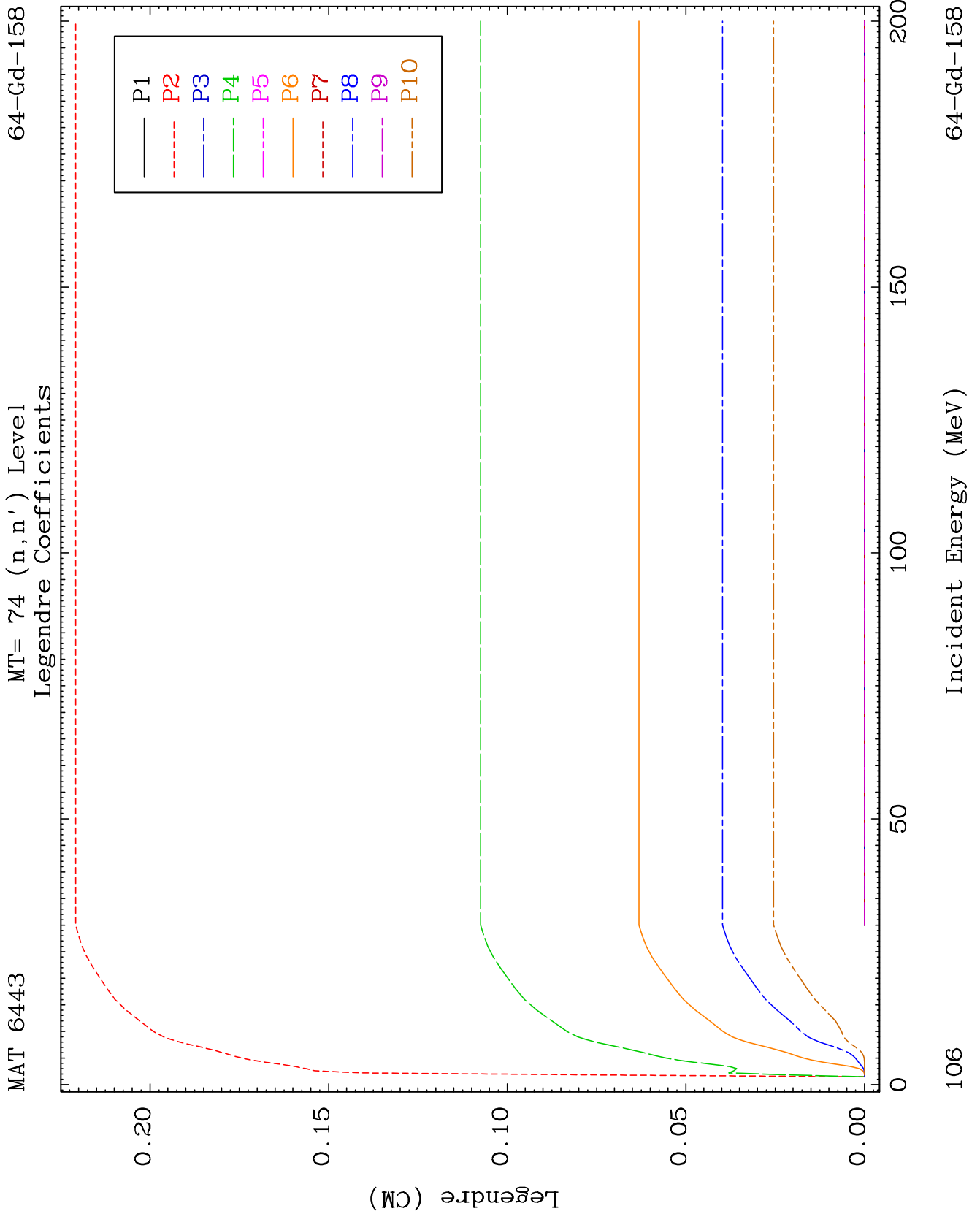
64-Gd-158



105

Incident Energy (MeV)

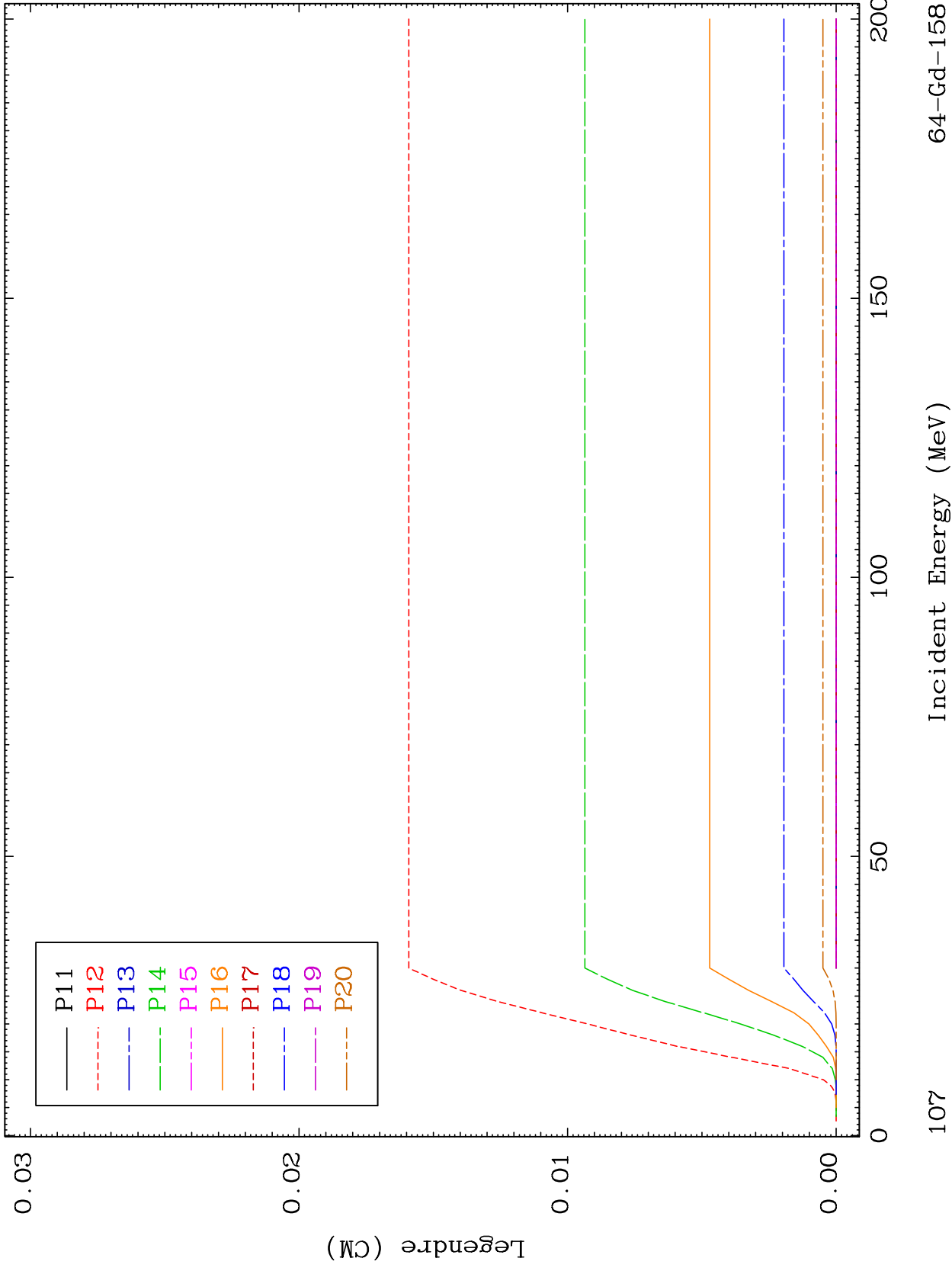
64-Gd-158



MAT 6443

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

64-Gd-158



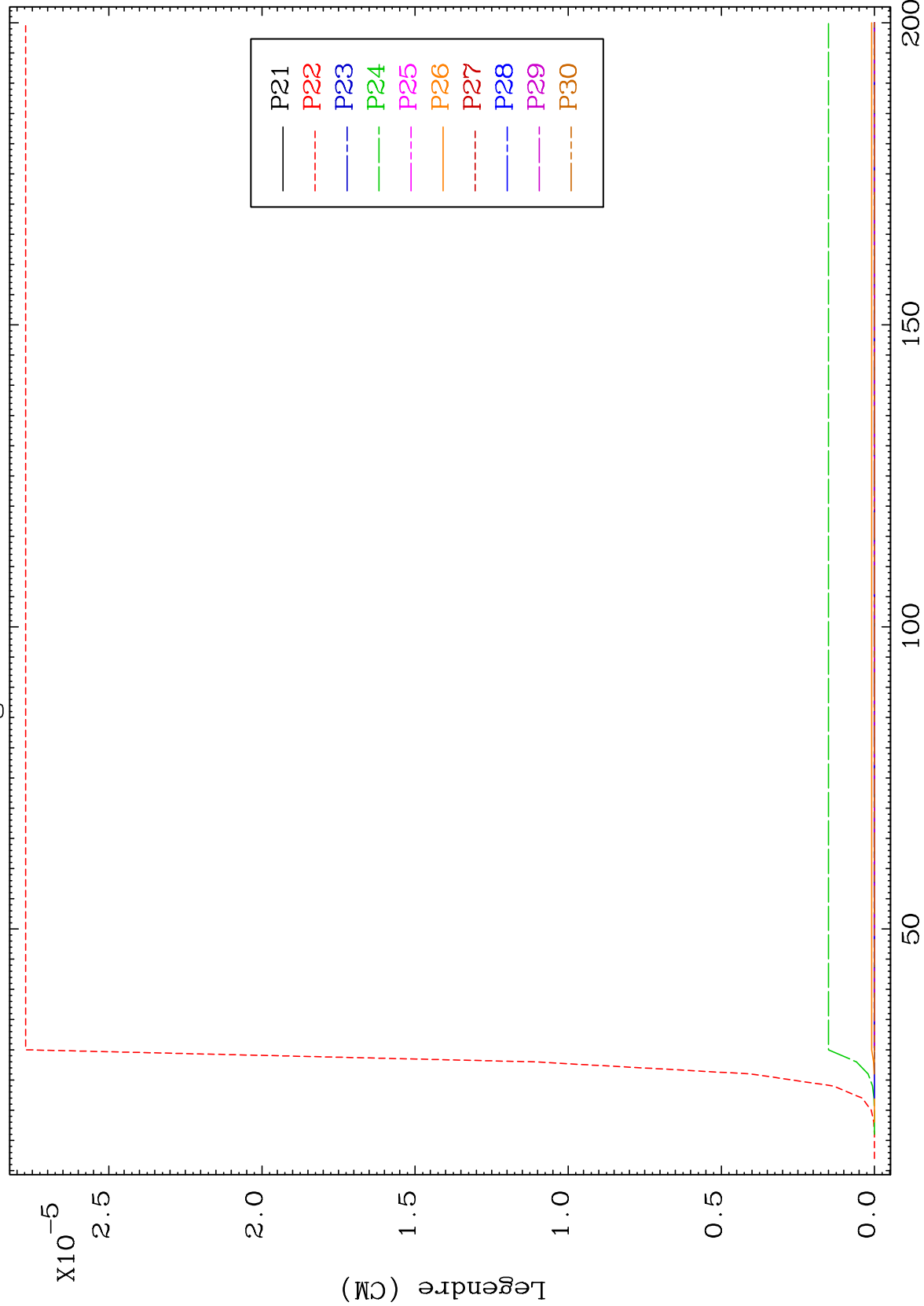
107

64-Gd-158

MAT 6443

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

64-Gd-158



108

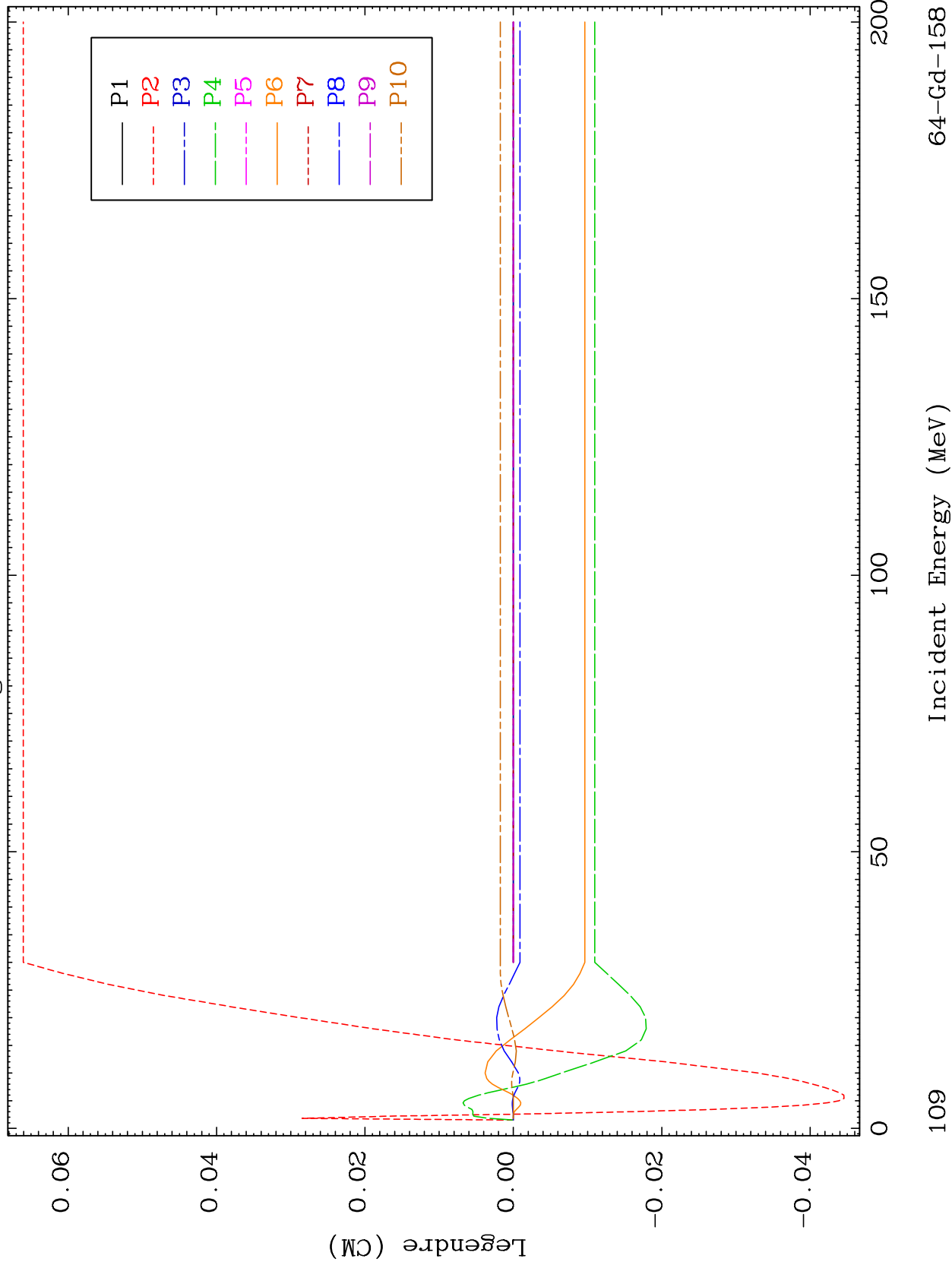
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158

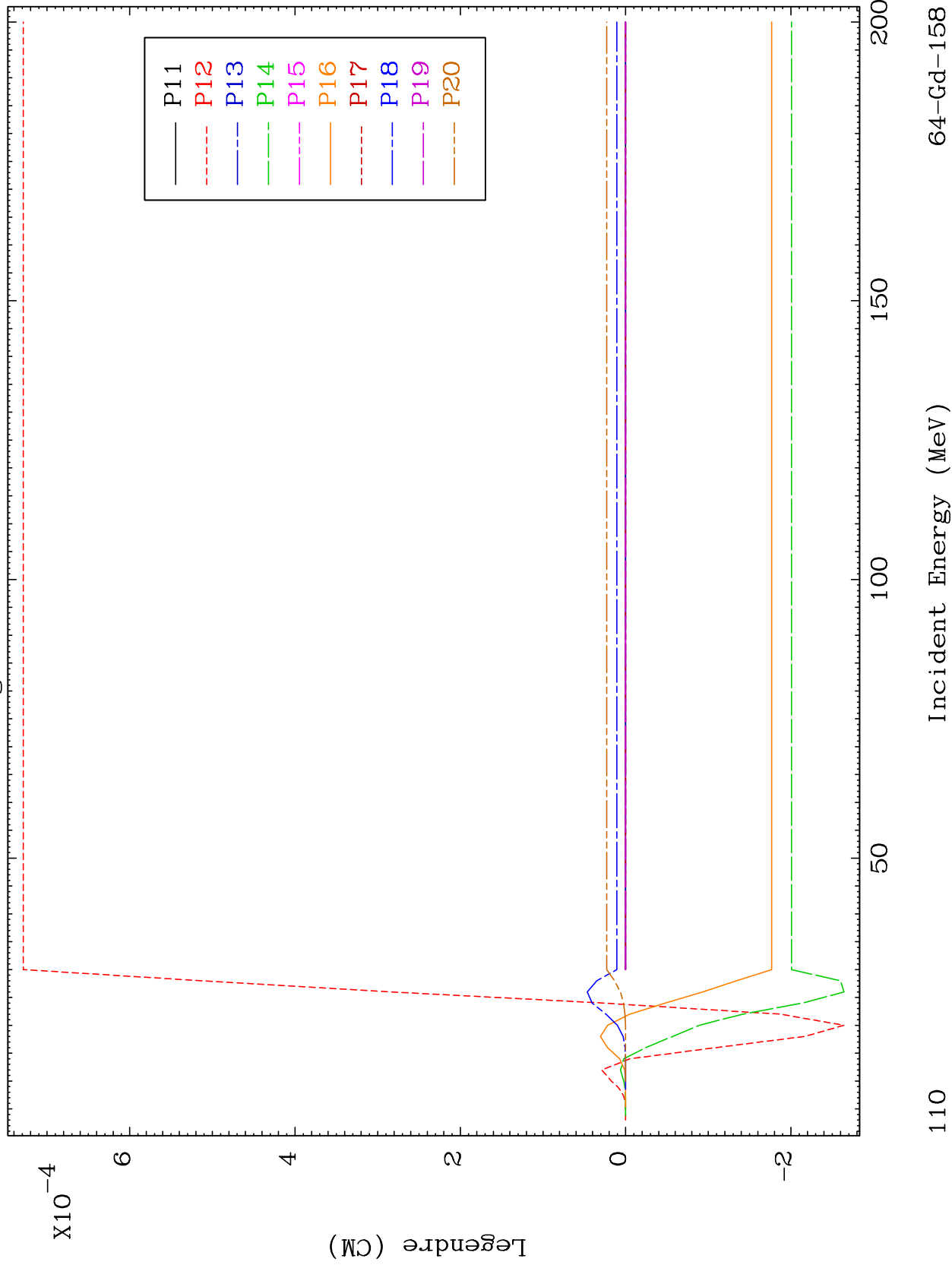


109

MAT 6443

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

64-Gd-158



110

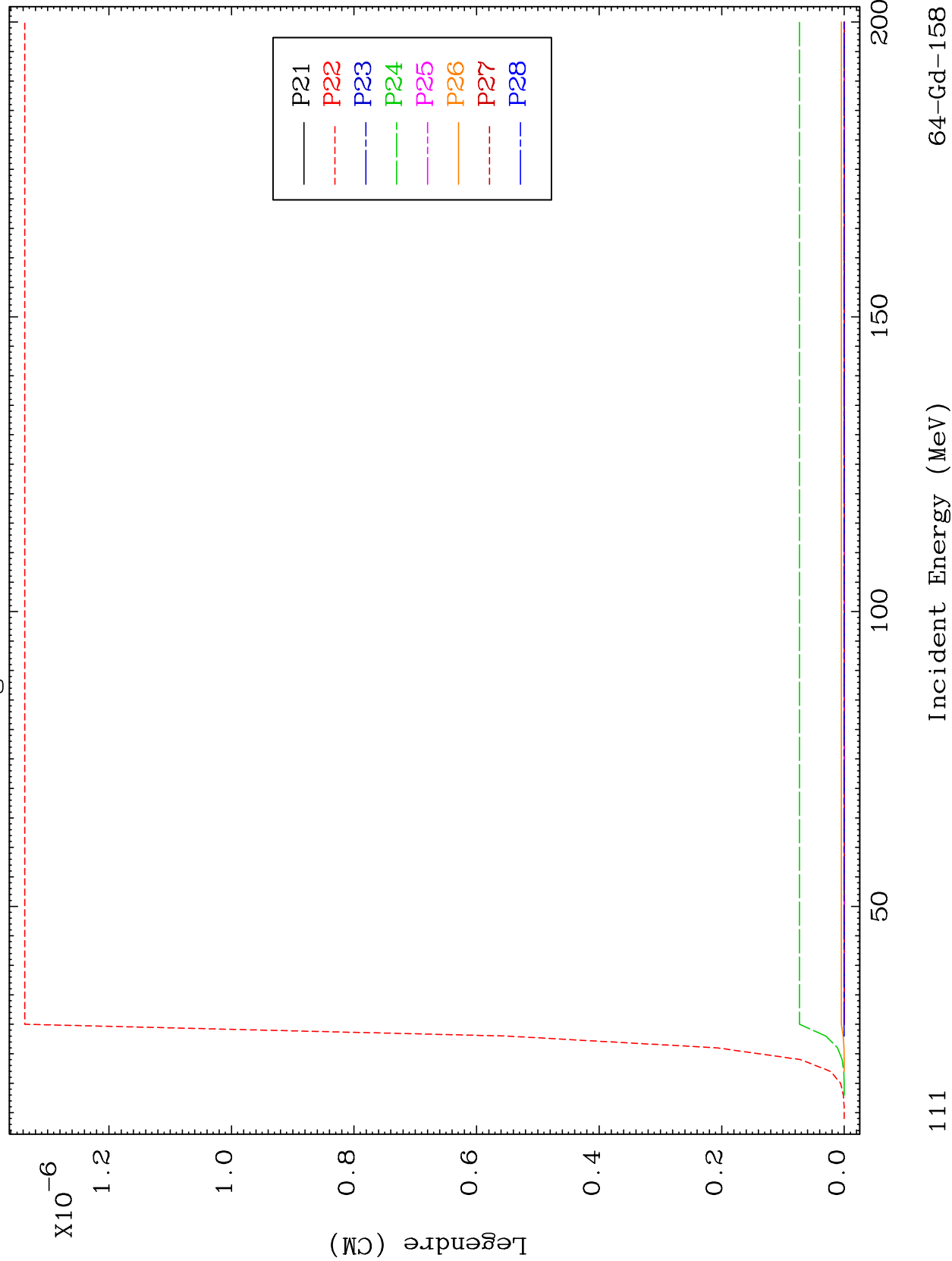
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



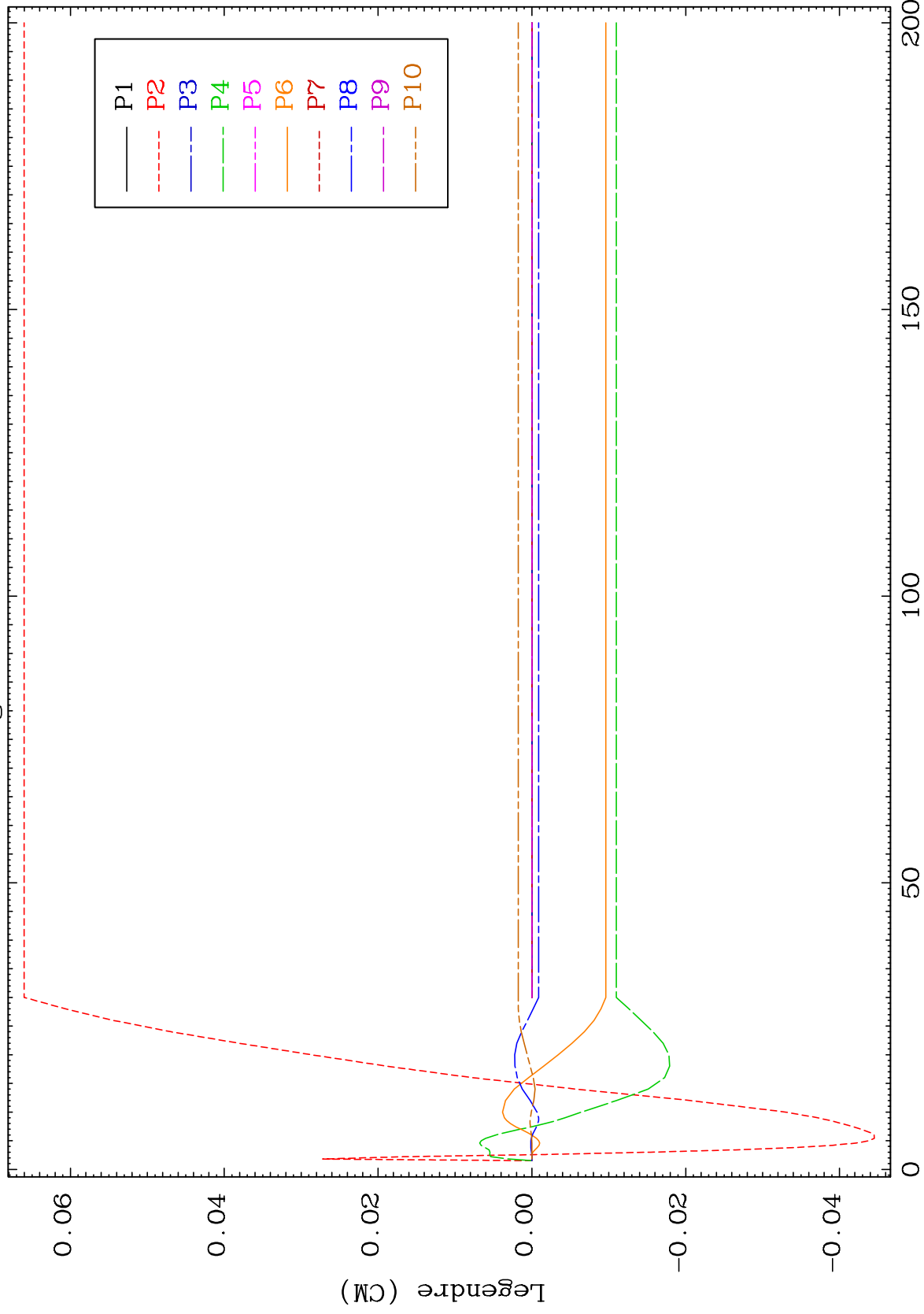
111



MAT 6443

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

64-Gd-158



112

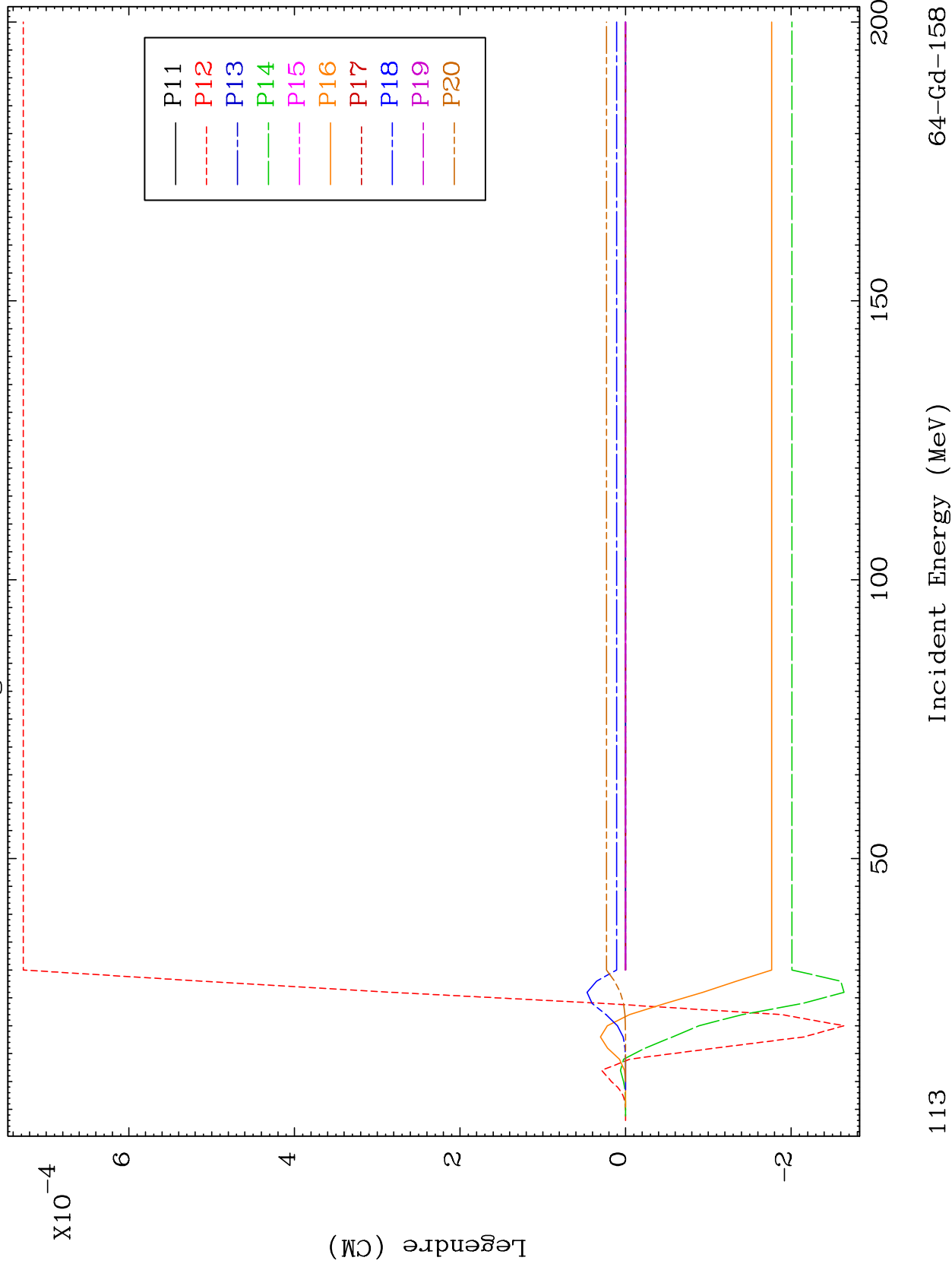
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



113

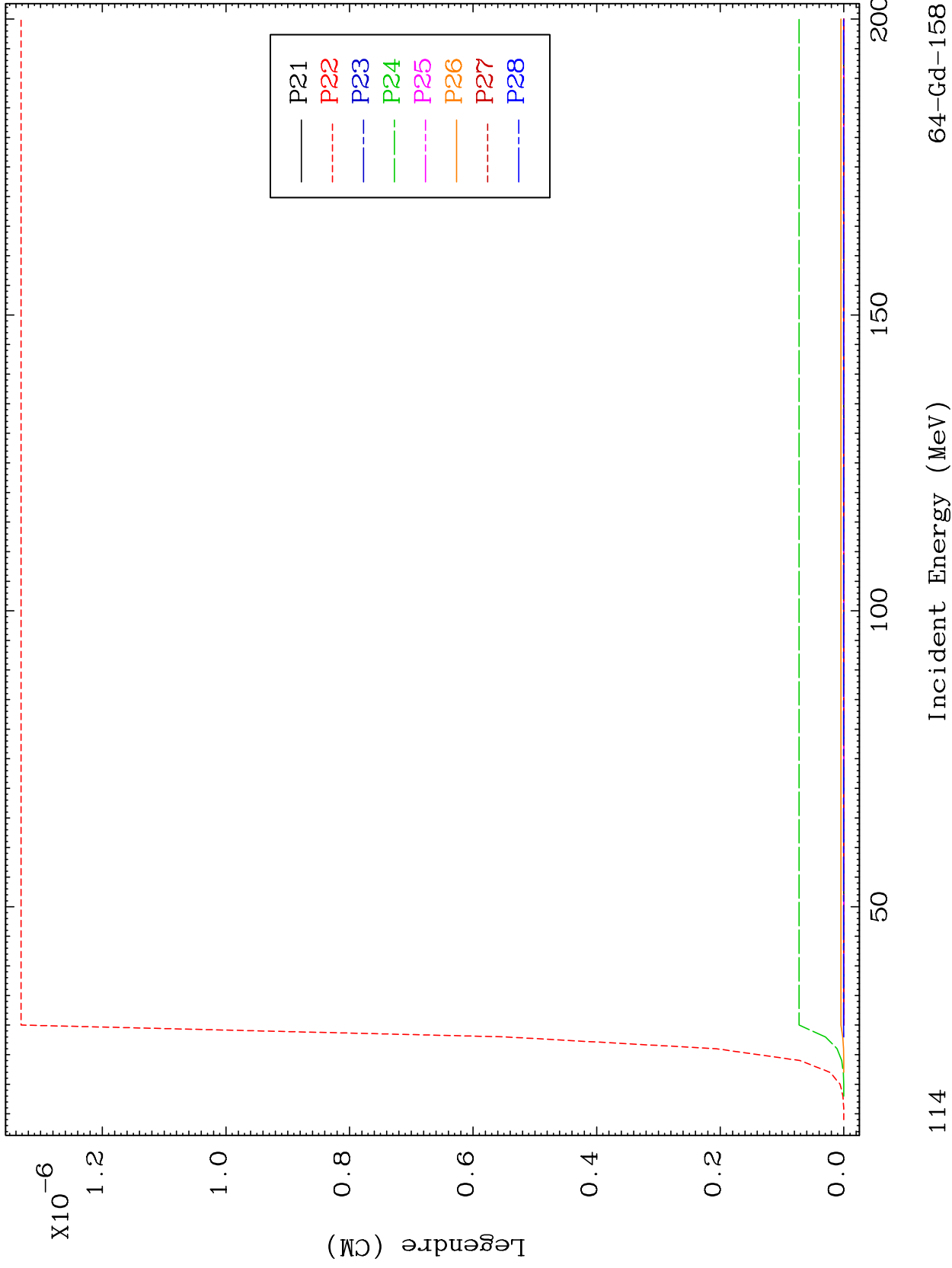
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158

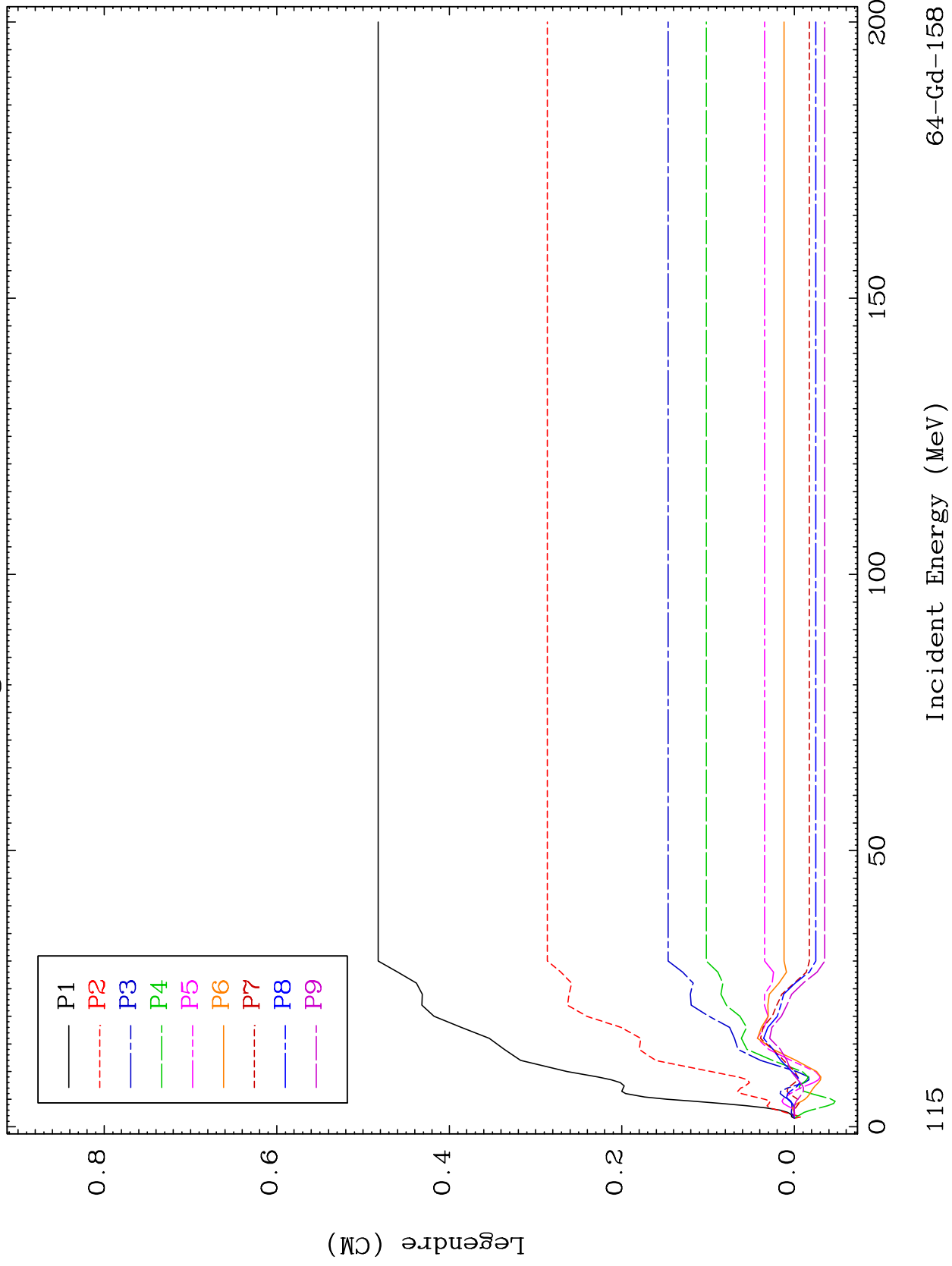


114

MAT 6443

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

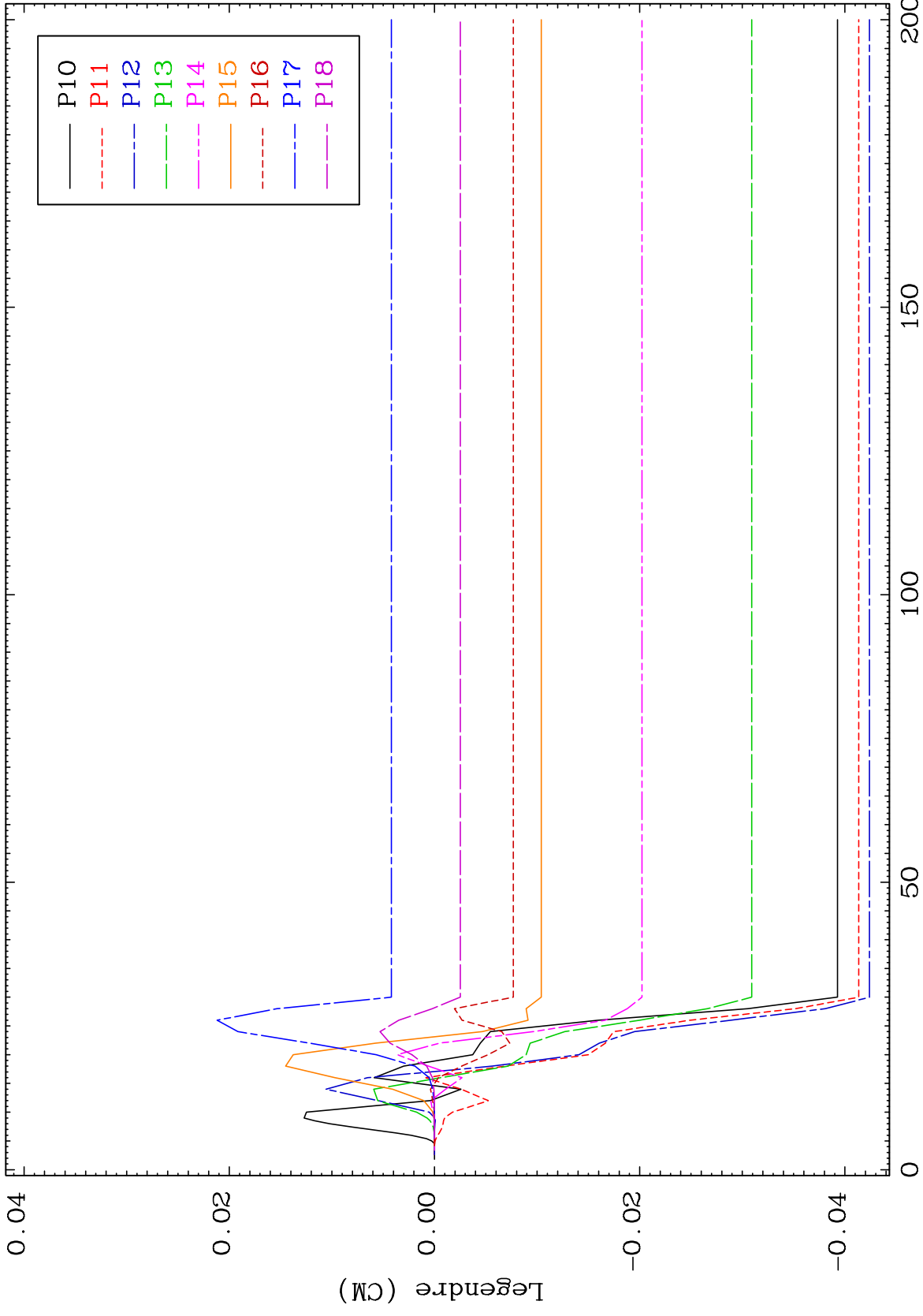
64-Gd-158



MAT 6443

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

64-Gd-158



116

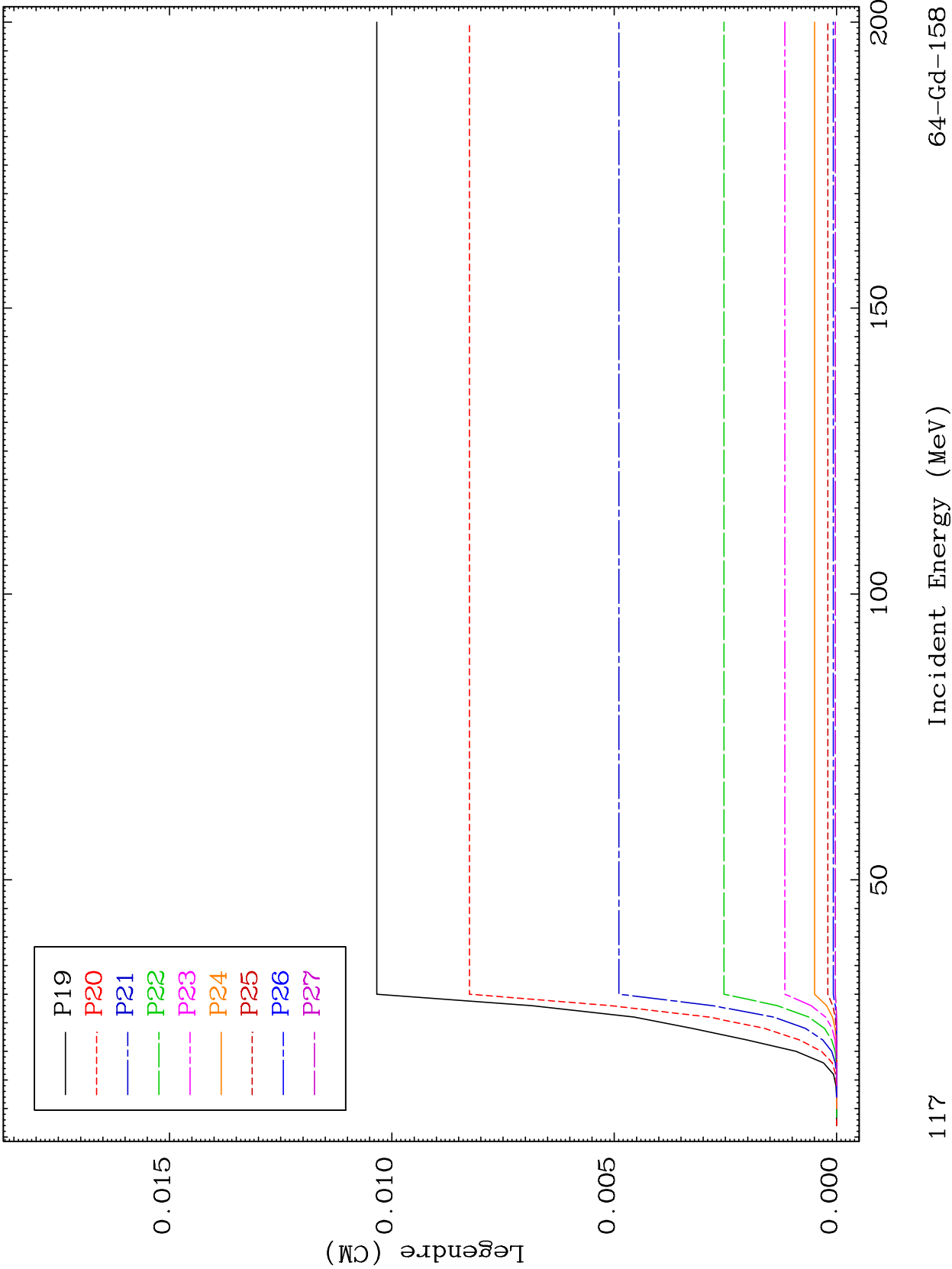
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



117

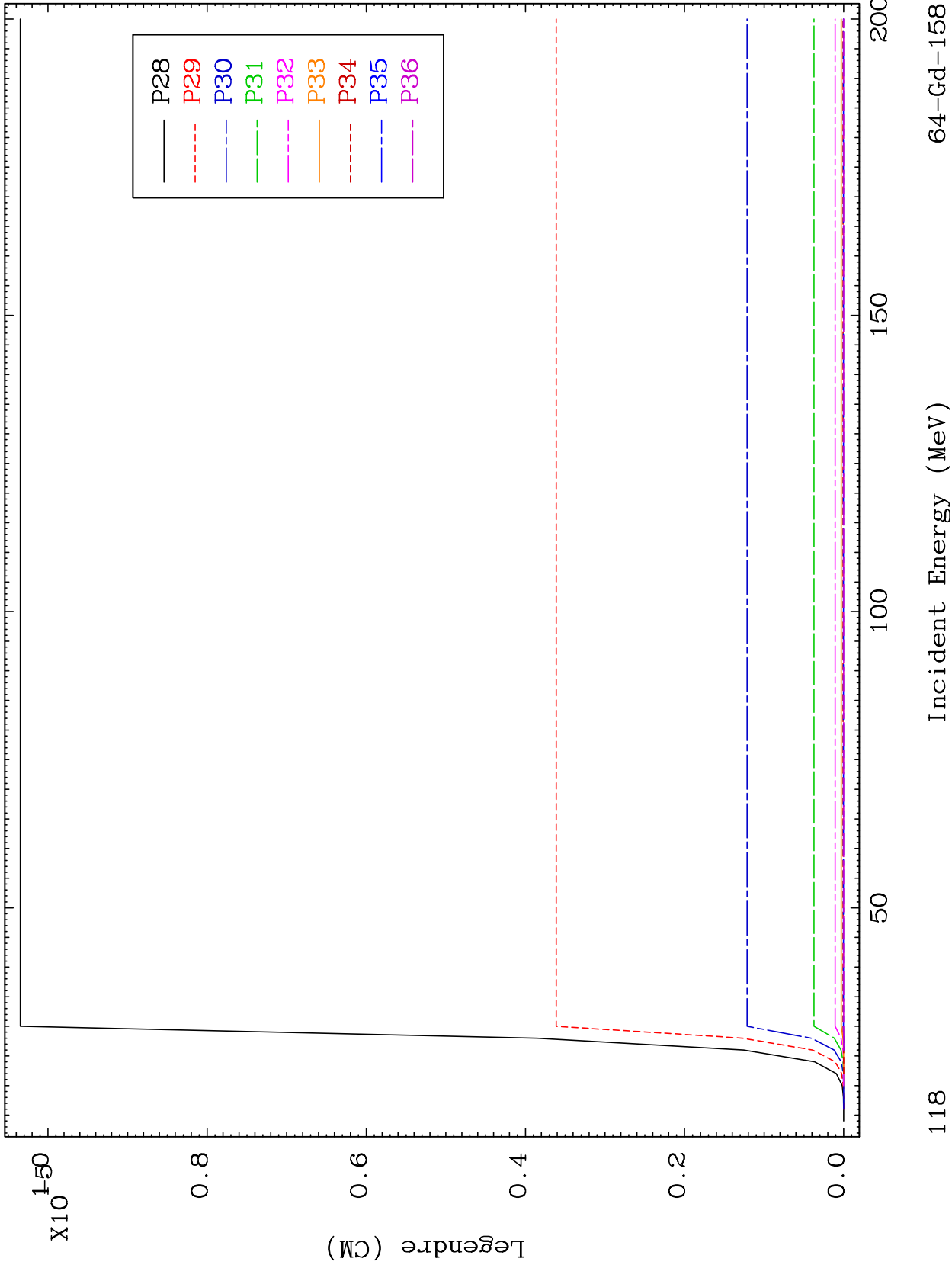
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

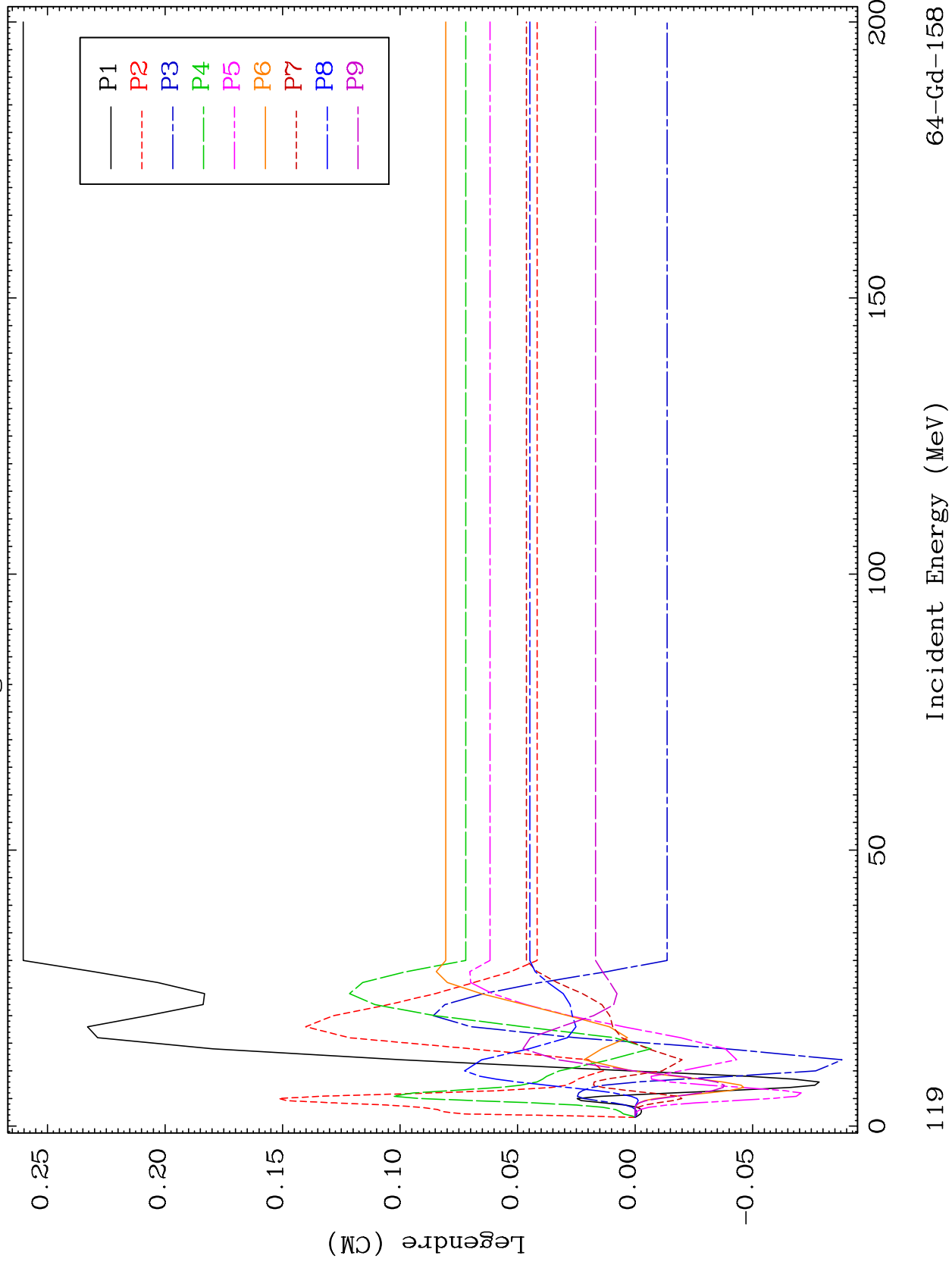
64-Gd-158



MAT 6443

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

64-Gd-158



119

Incident Energy (MeV)

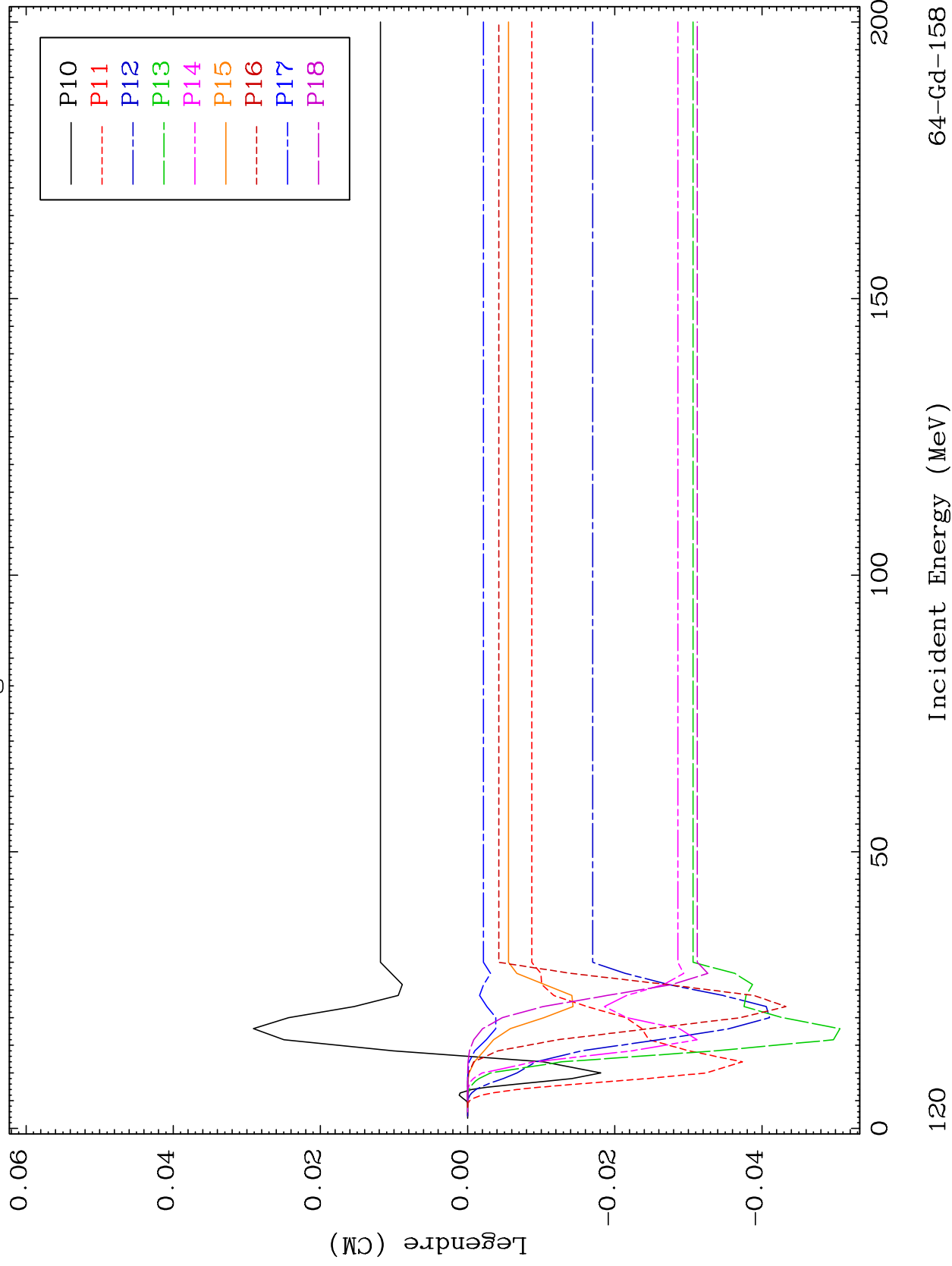
64-Gd-158



MAT 6443

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

64-Gd-158



64-Gd-158

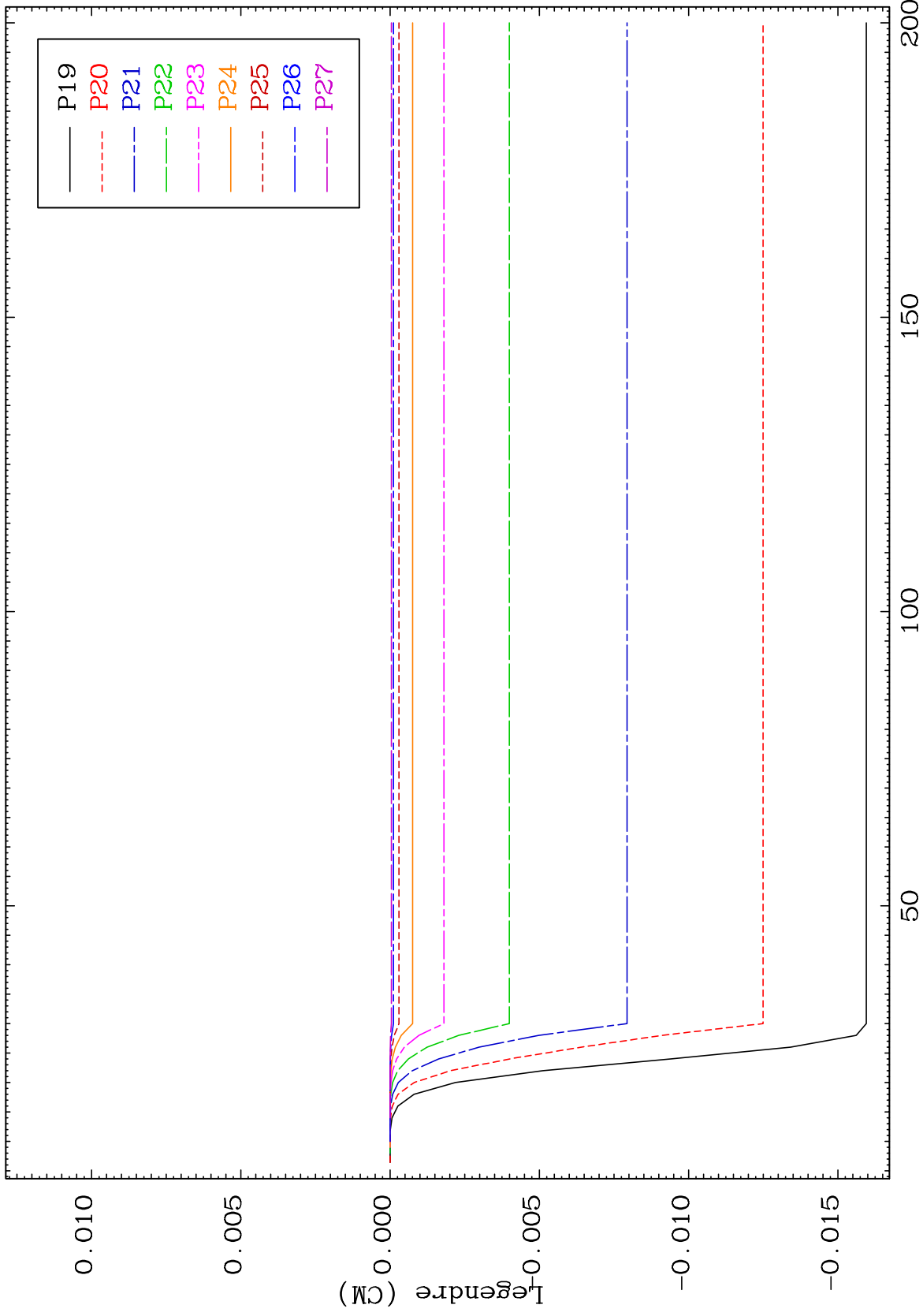
Incident Energy (MeV)

0

MAT 6443

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

64-Gd-158



121

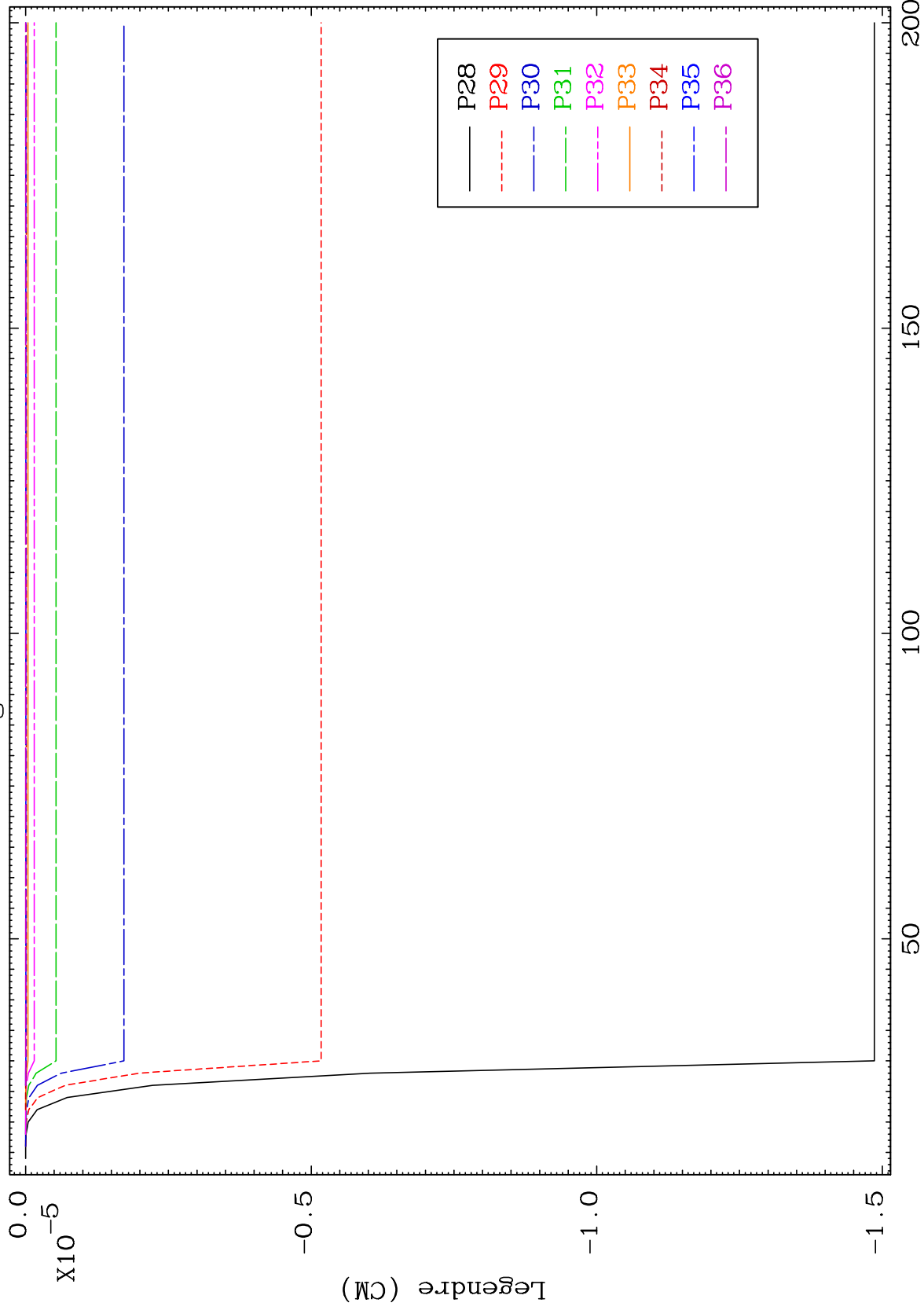
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

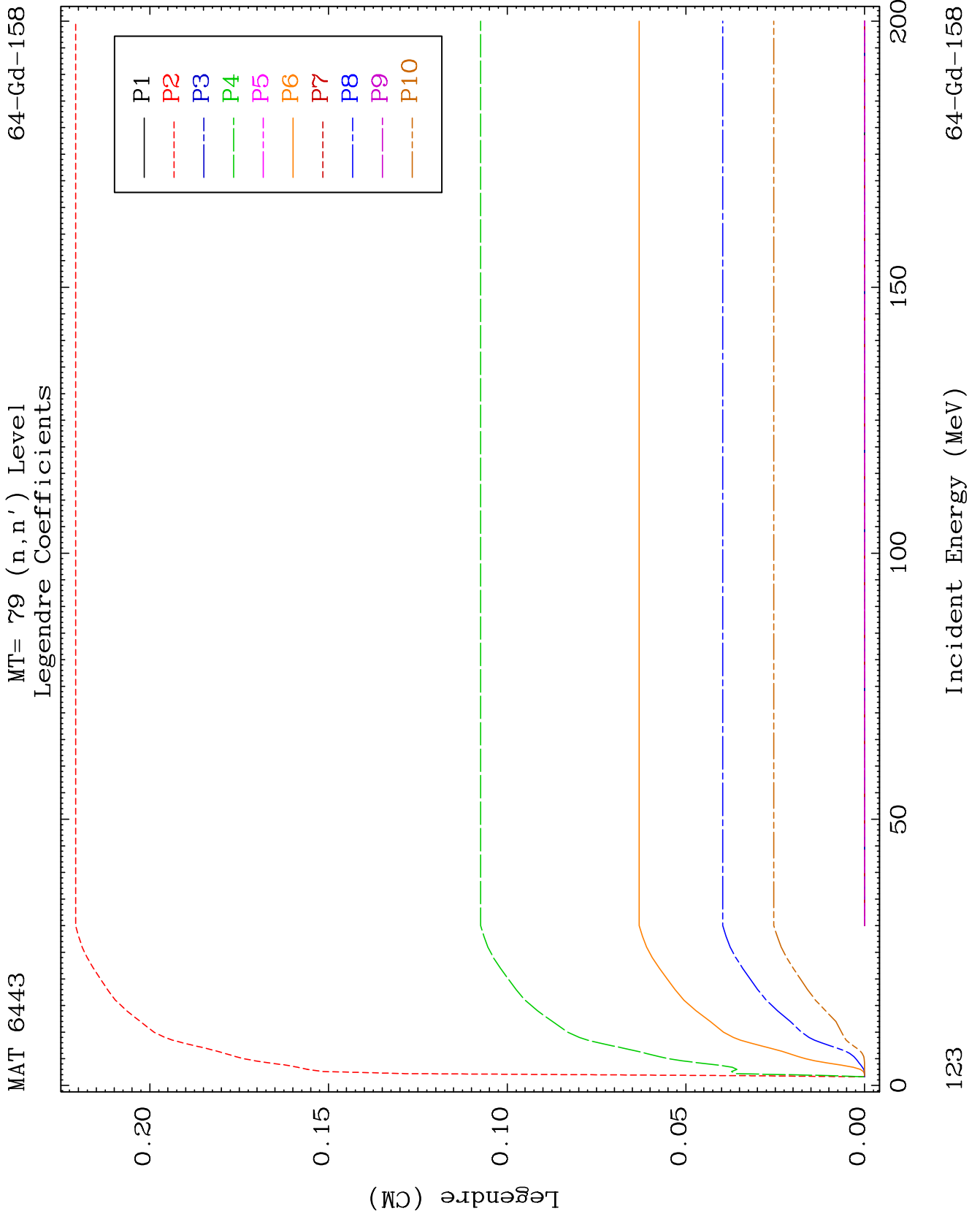
64-Gd-158



122

Incident Energy (MeV)

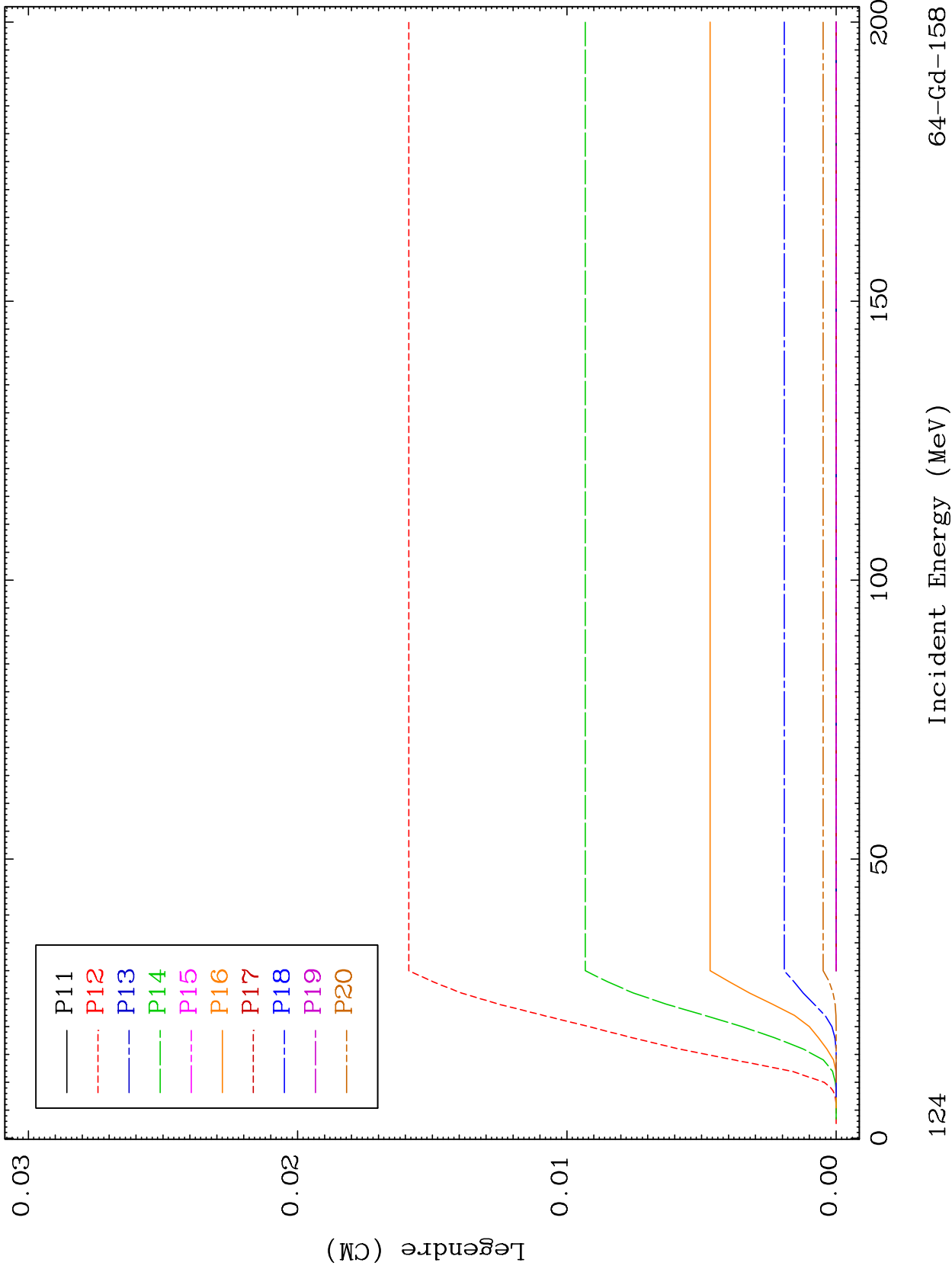
64-Gd-158



MAT 6443

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

64-Gd-158



64-Gd-158

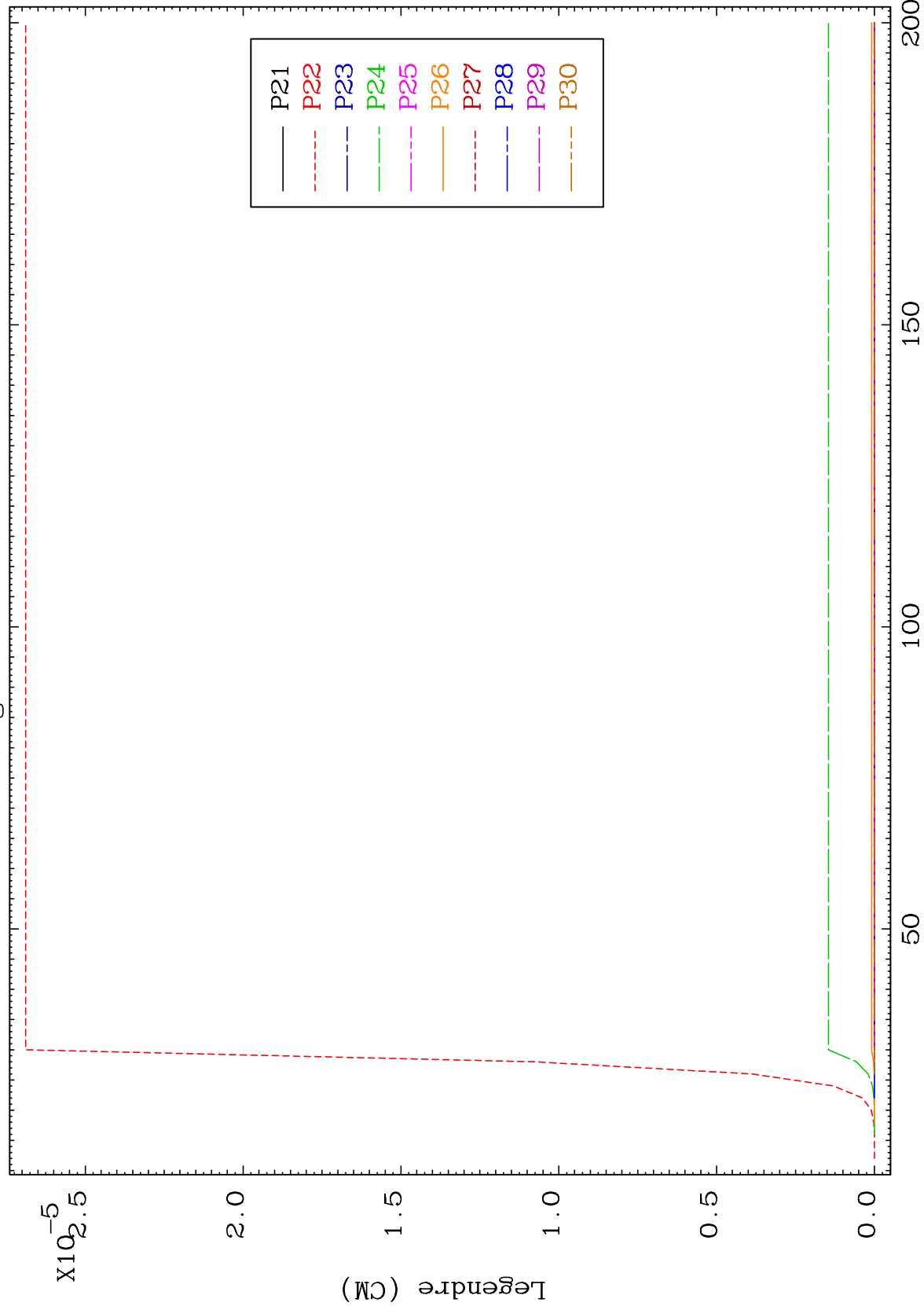
Incident Energy (MeV)

124

MAT 6443

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

64-Gd-158



64-Gd-158

Incident Energy (MeV)

125