

Program EVALPLOT  
(Version 2021-1)

by

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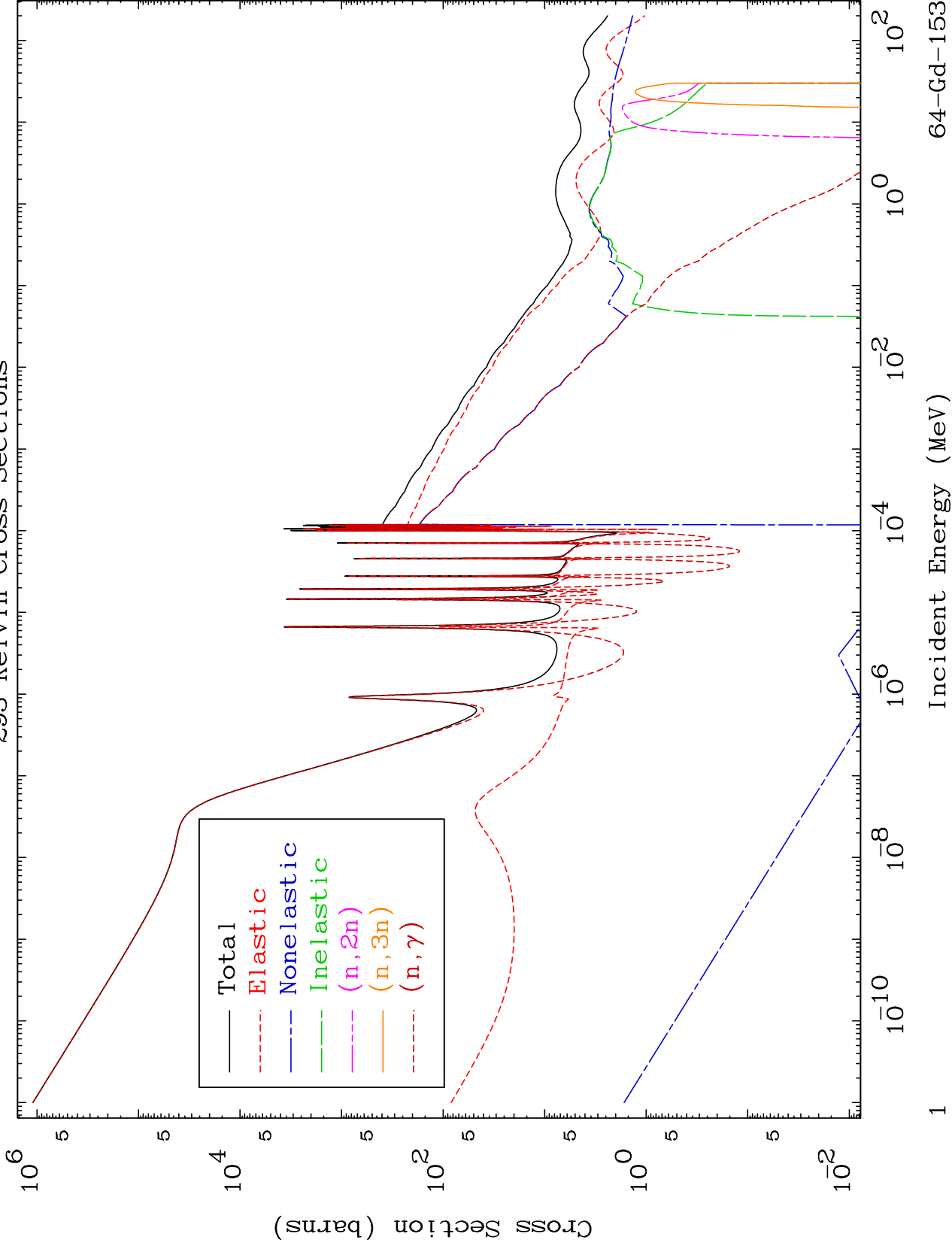
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Press Mouse Button to Start

MAT 6428

Neutron Major  
293 Kelvin Cross Sections

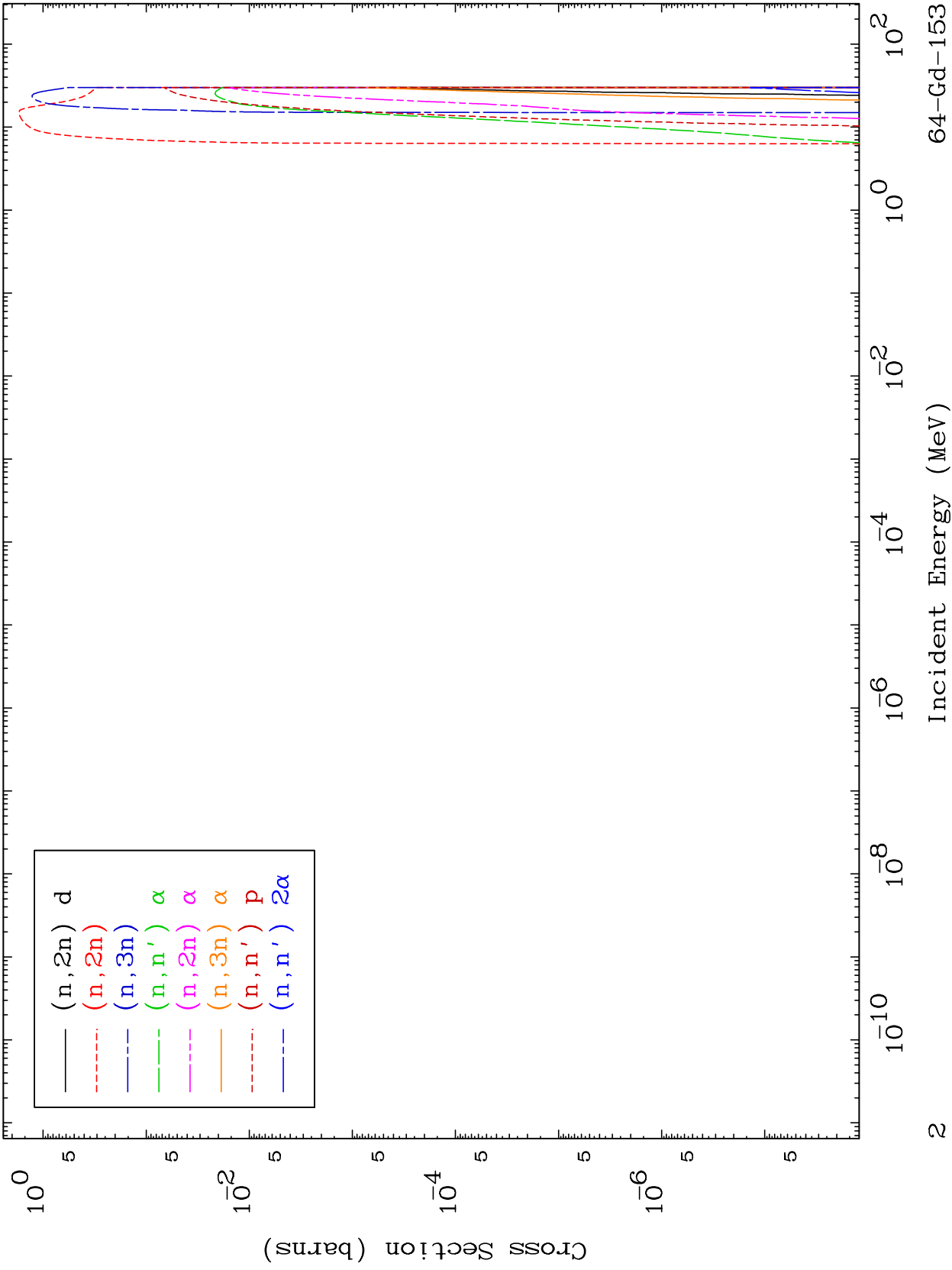
64-Gd-153

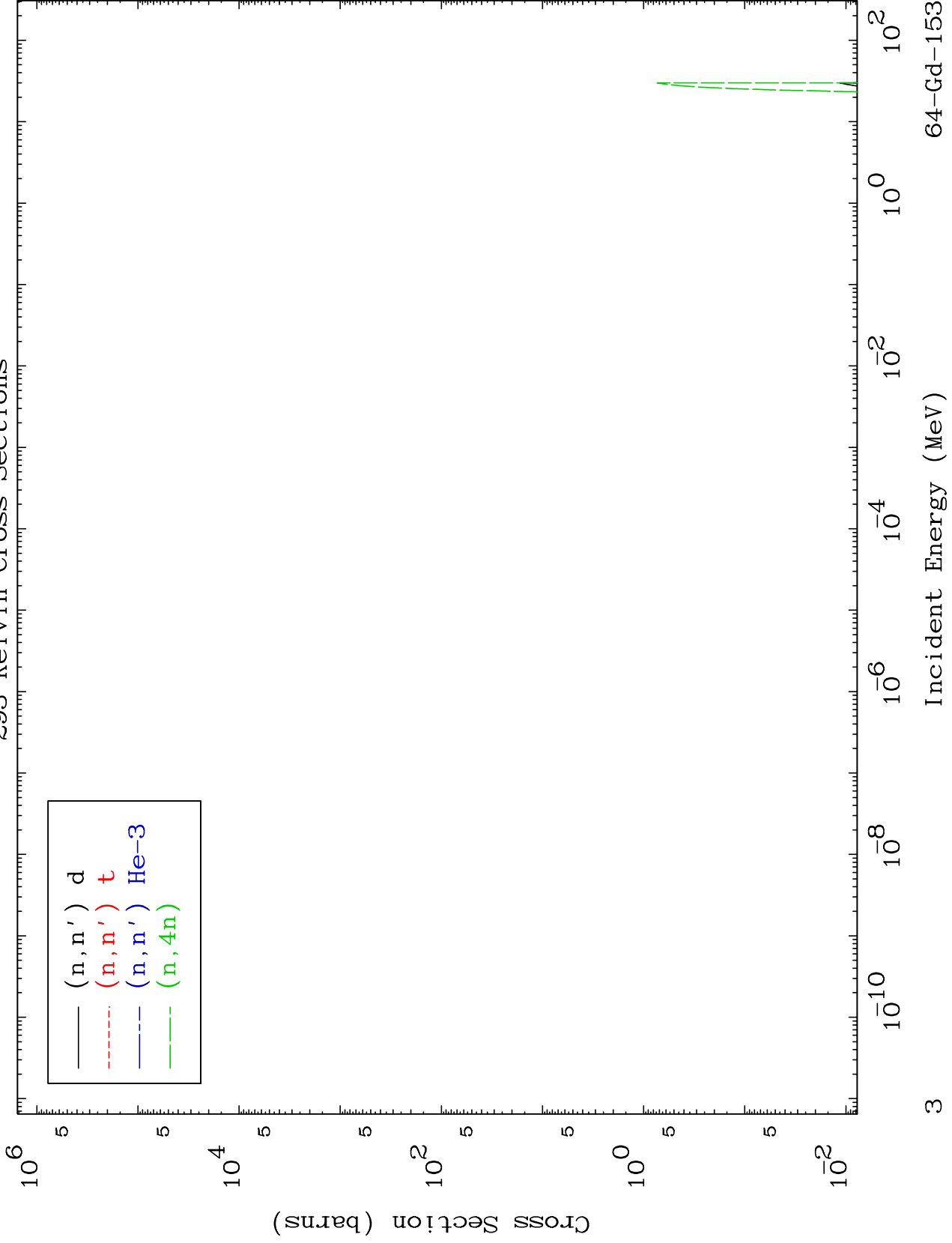


MAT 6428

Neutron Absorption  
293 Kelvin Cross Sections

64-Gd-153

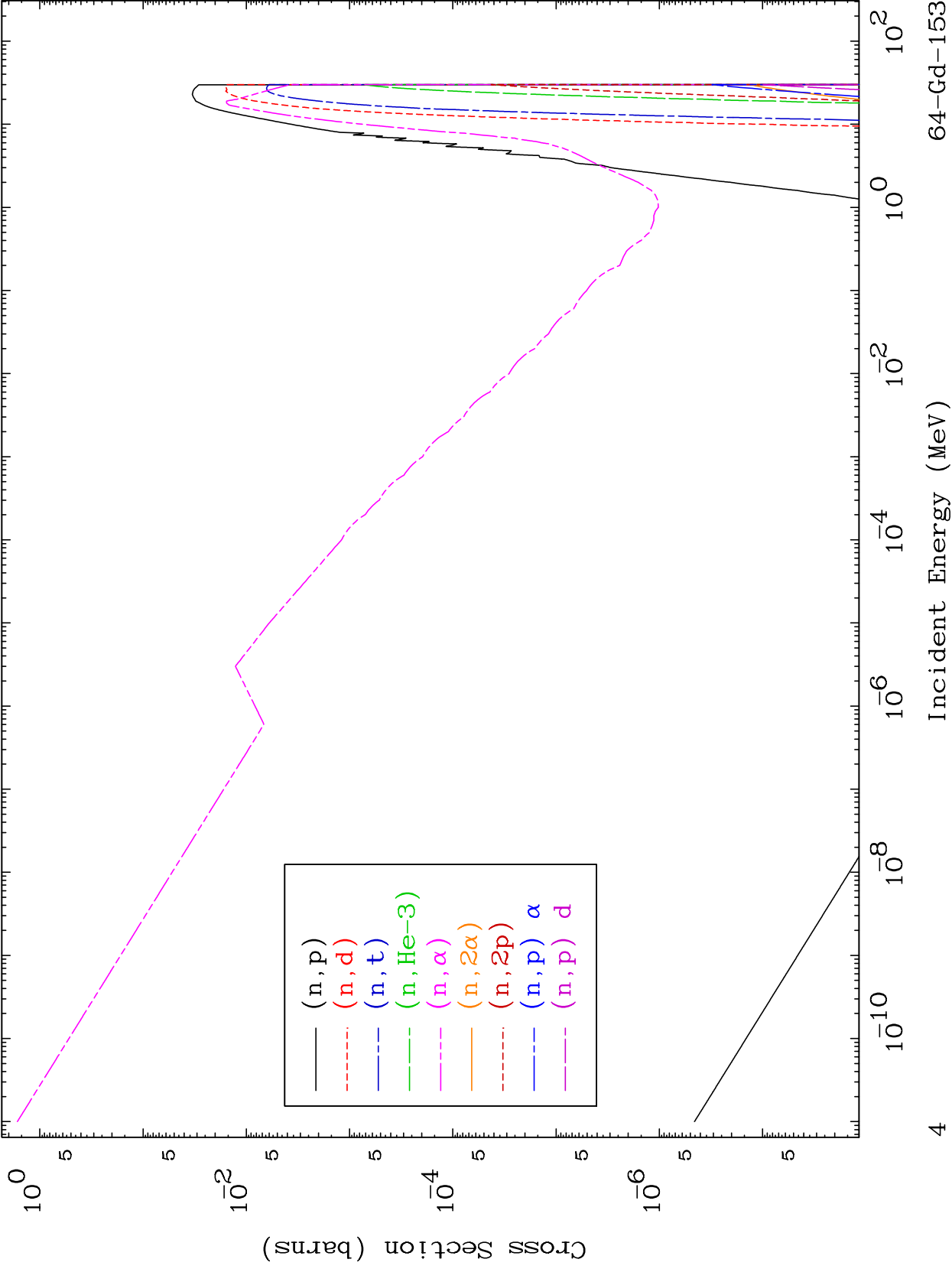


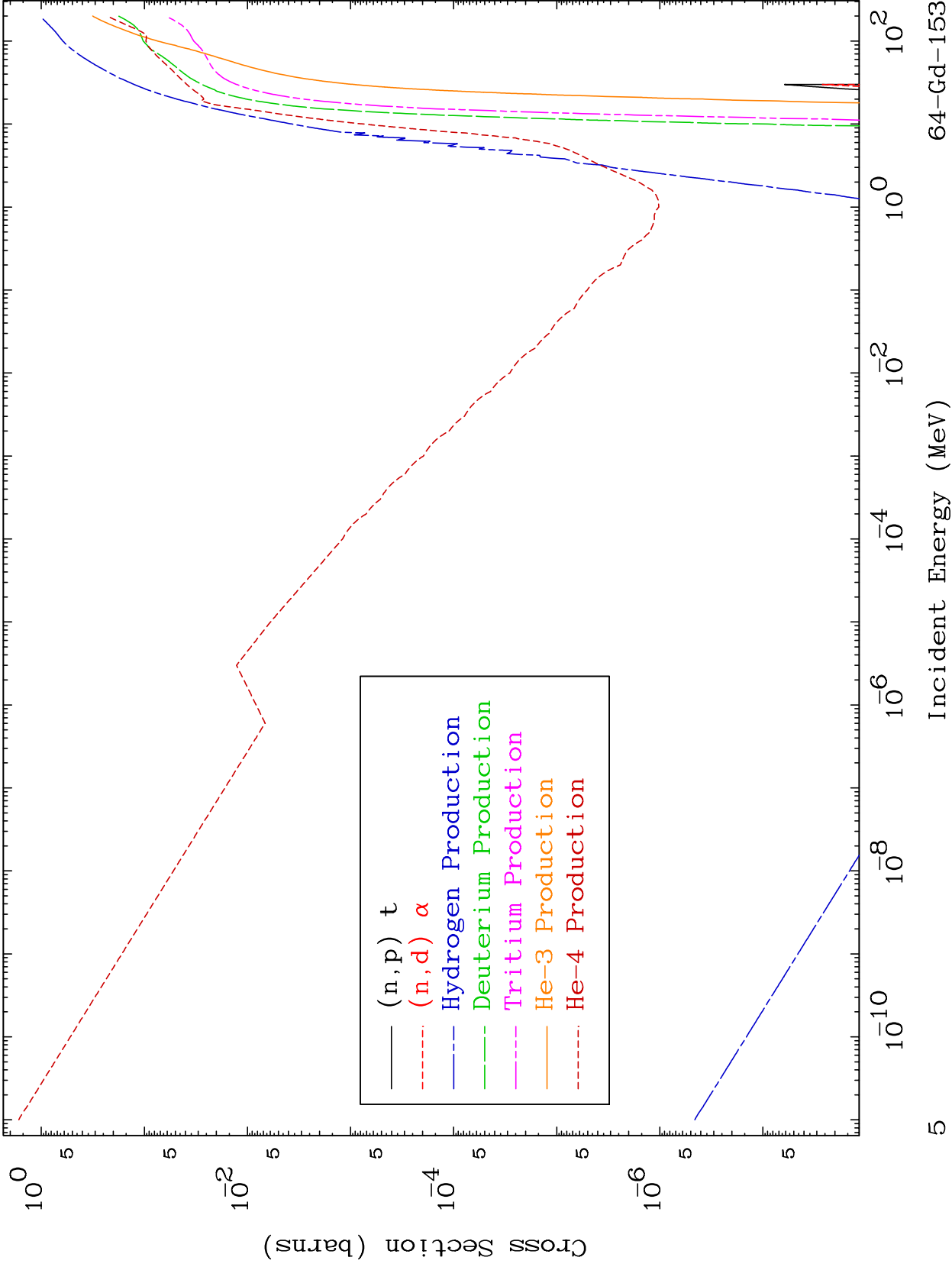


MAT 6428

Neutron Absorption  
293 Kelvin Cross Sections

64-Gd-153

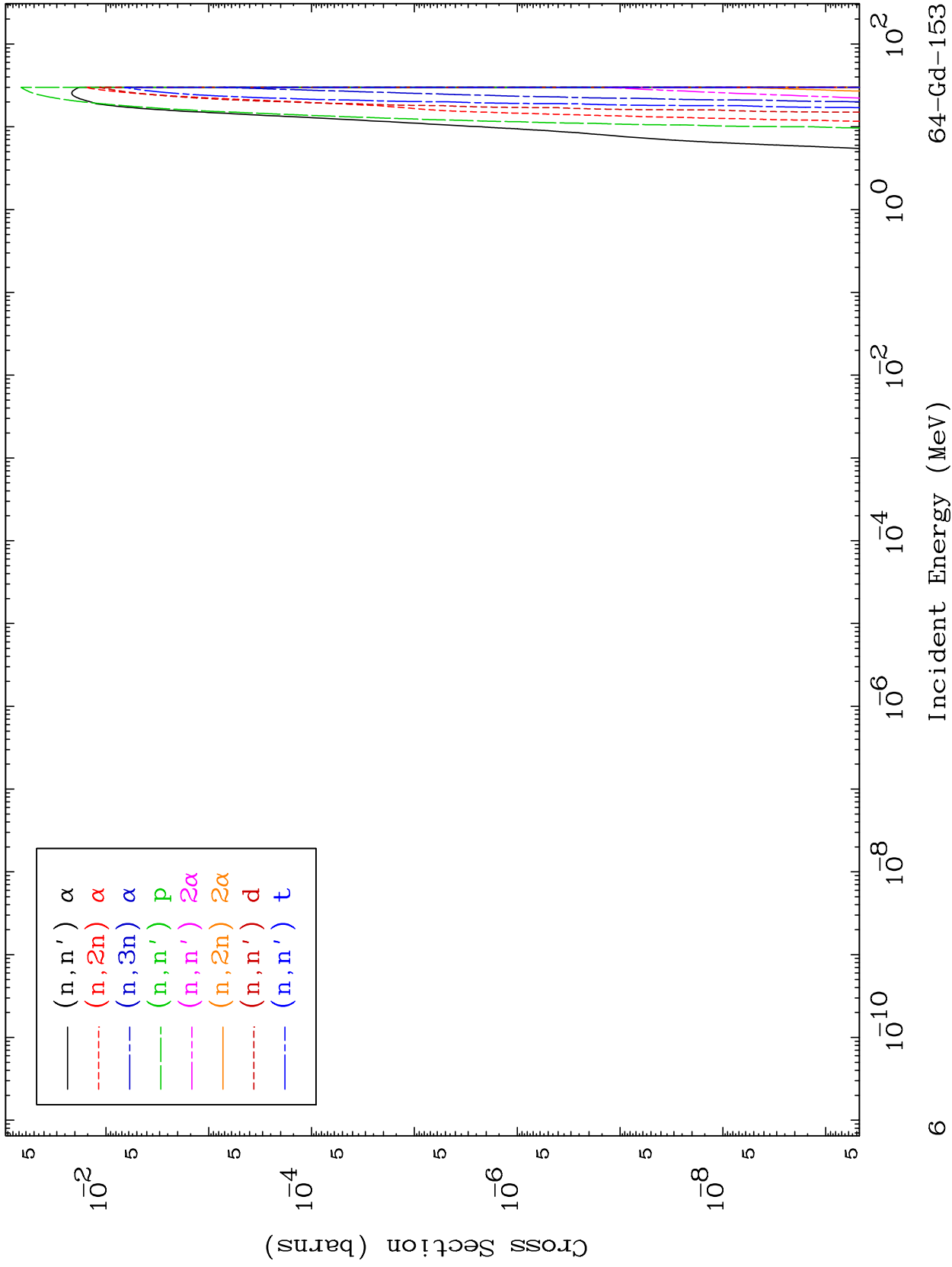




MAT 6428

Charged Particle  
293 Kelvin Cross Sections

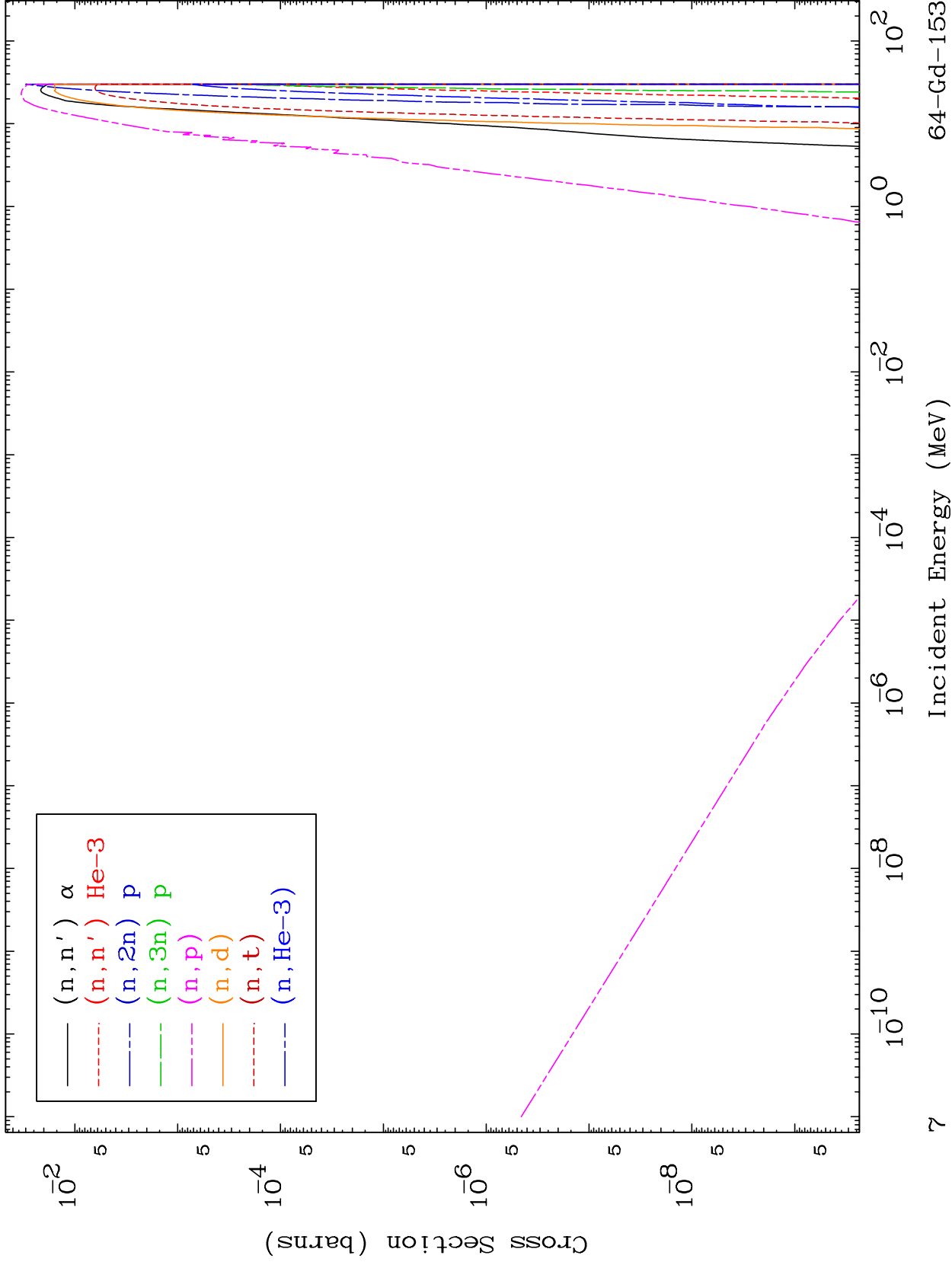
64-Gd-153



MAT 6428

Charged Particle  
293 Kelvin Cross Sections

64-Gd-153

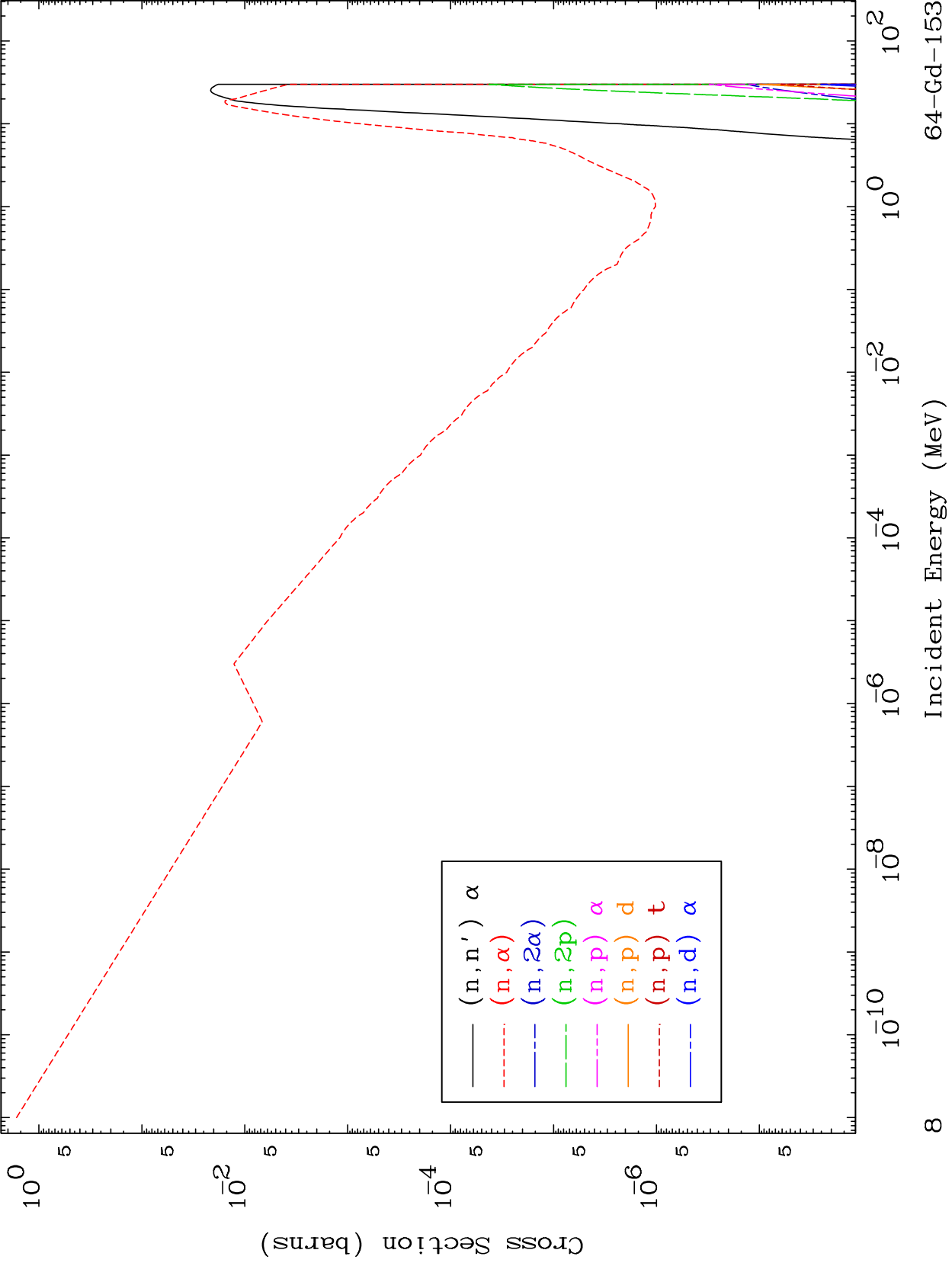




MAT 6428

Charged Particle  
293 Kelvin Cross Sections

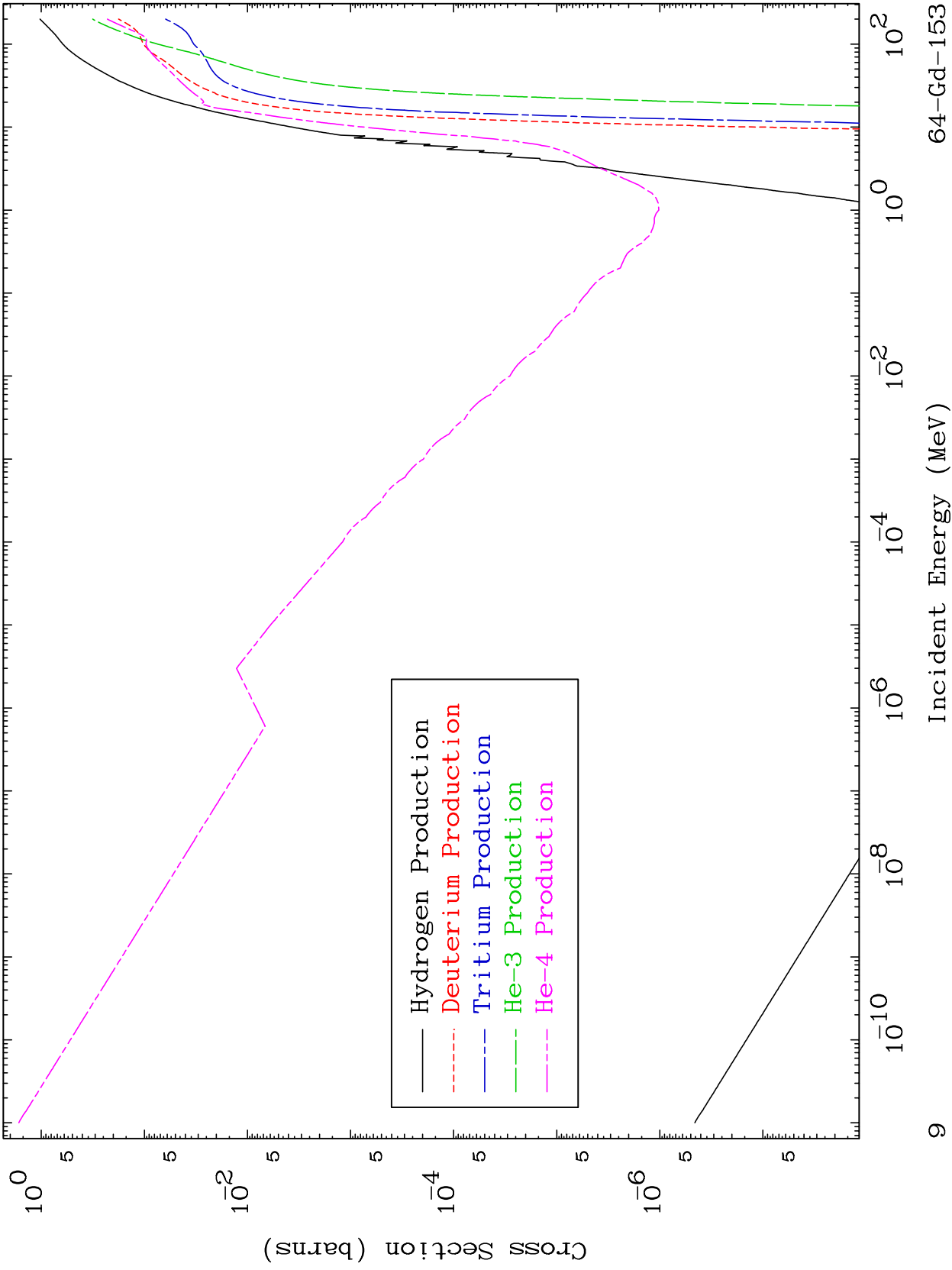
64-Gd-153



MAT 6428

Particle Production  
293 Kelvin Cross Sections

64-Gd-153

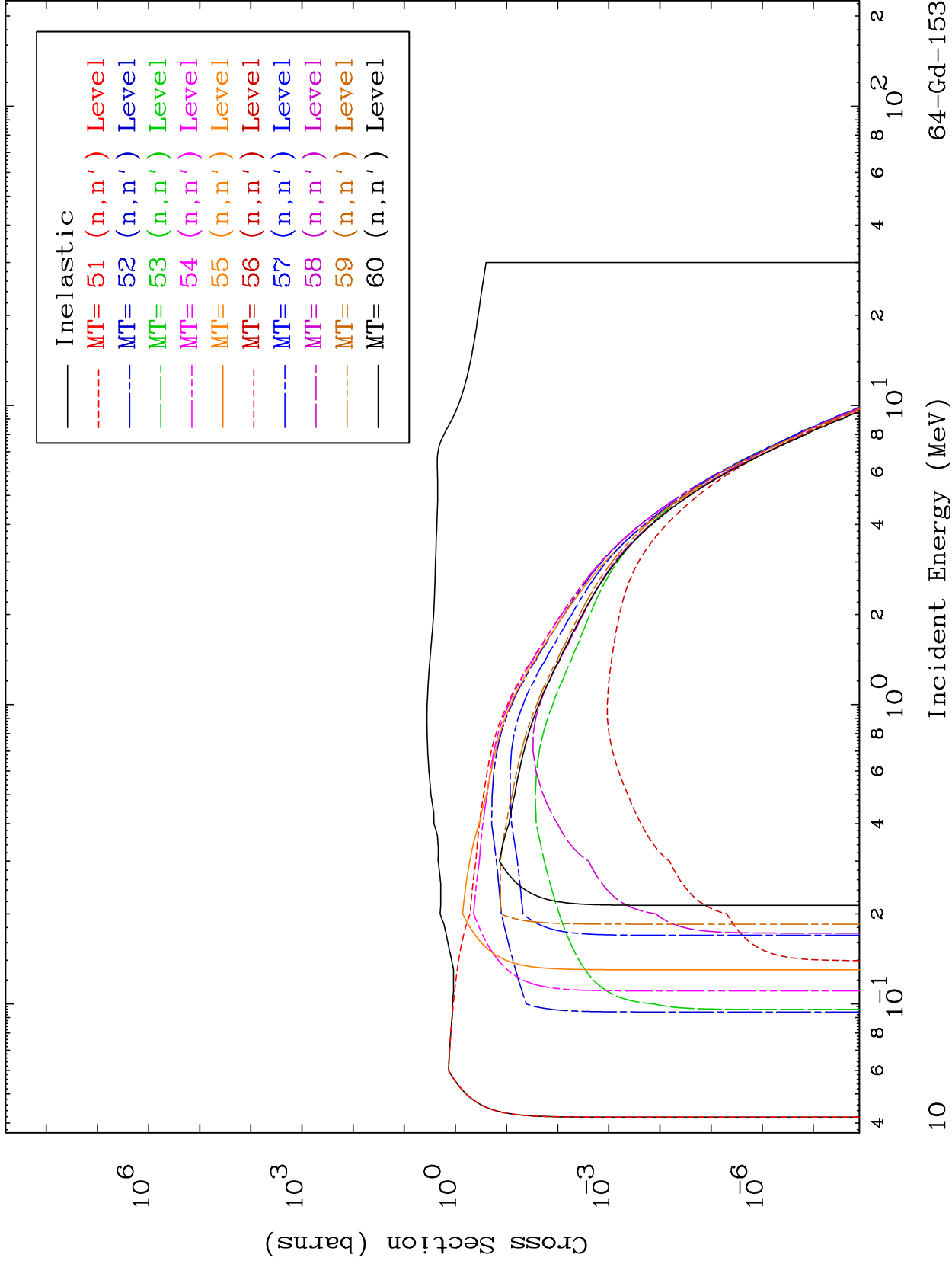


MAT 6428

(n,n') Levels

293 Kelvin Cross Sections

64-Gd-153

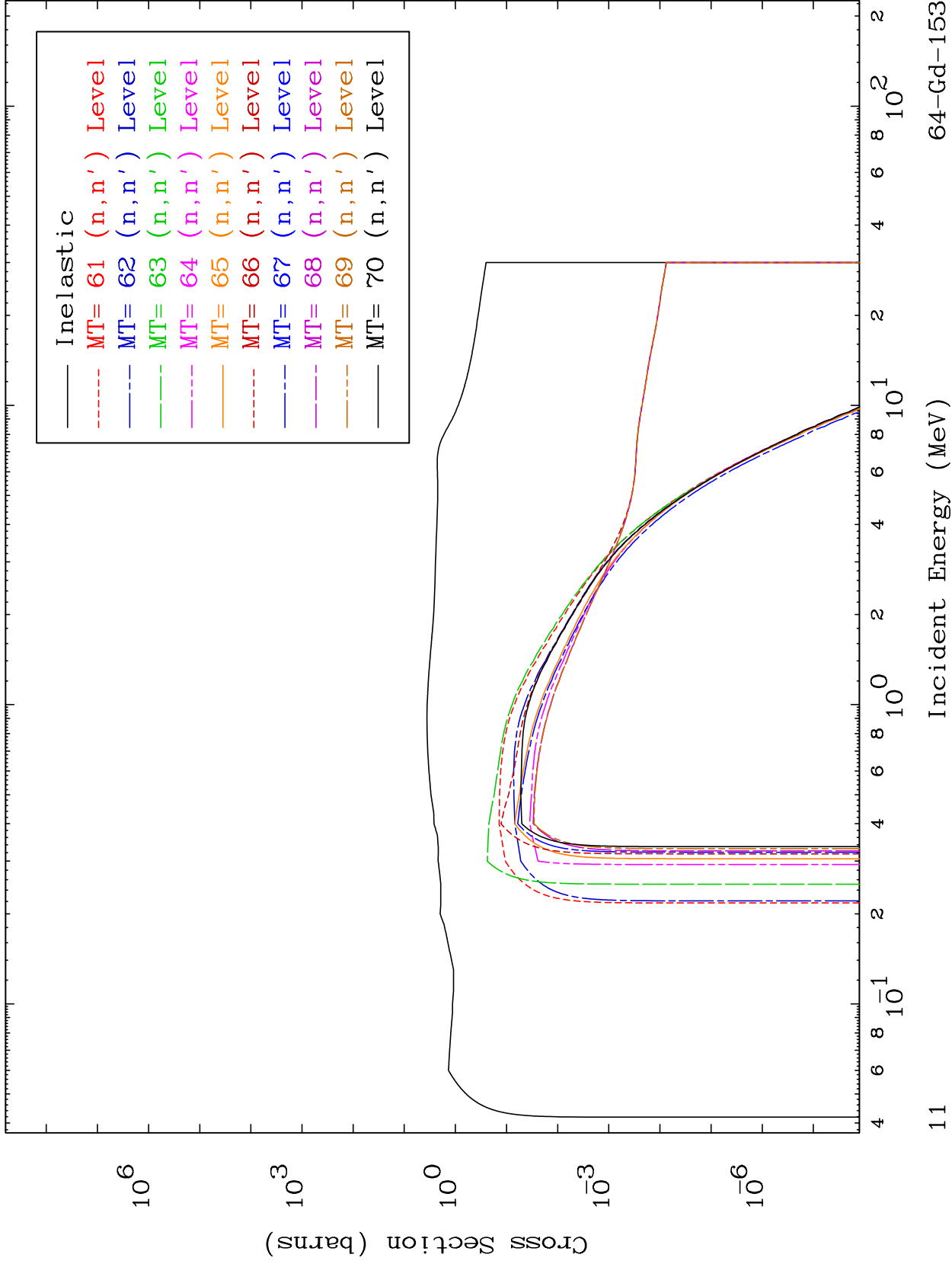


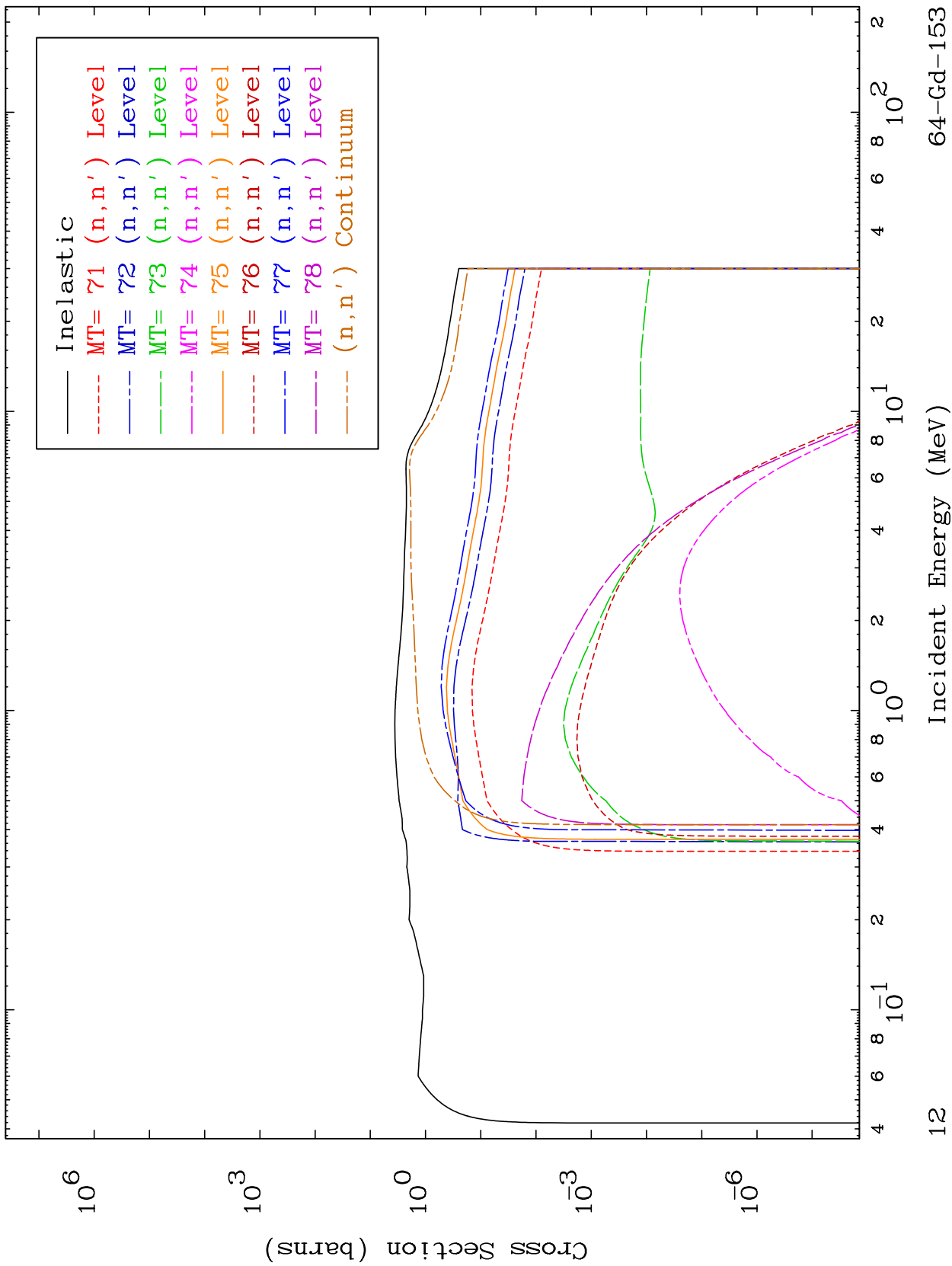
10

Incident Energy (MeV)

64-Gd-153

293 Kelvin Cross Sections

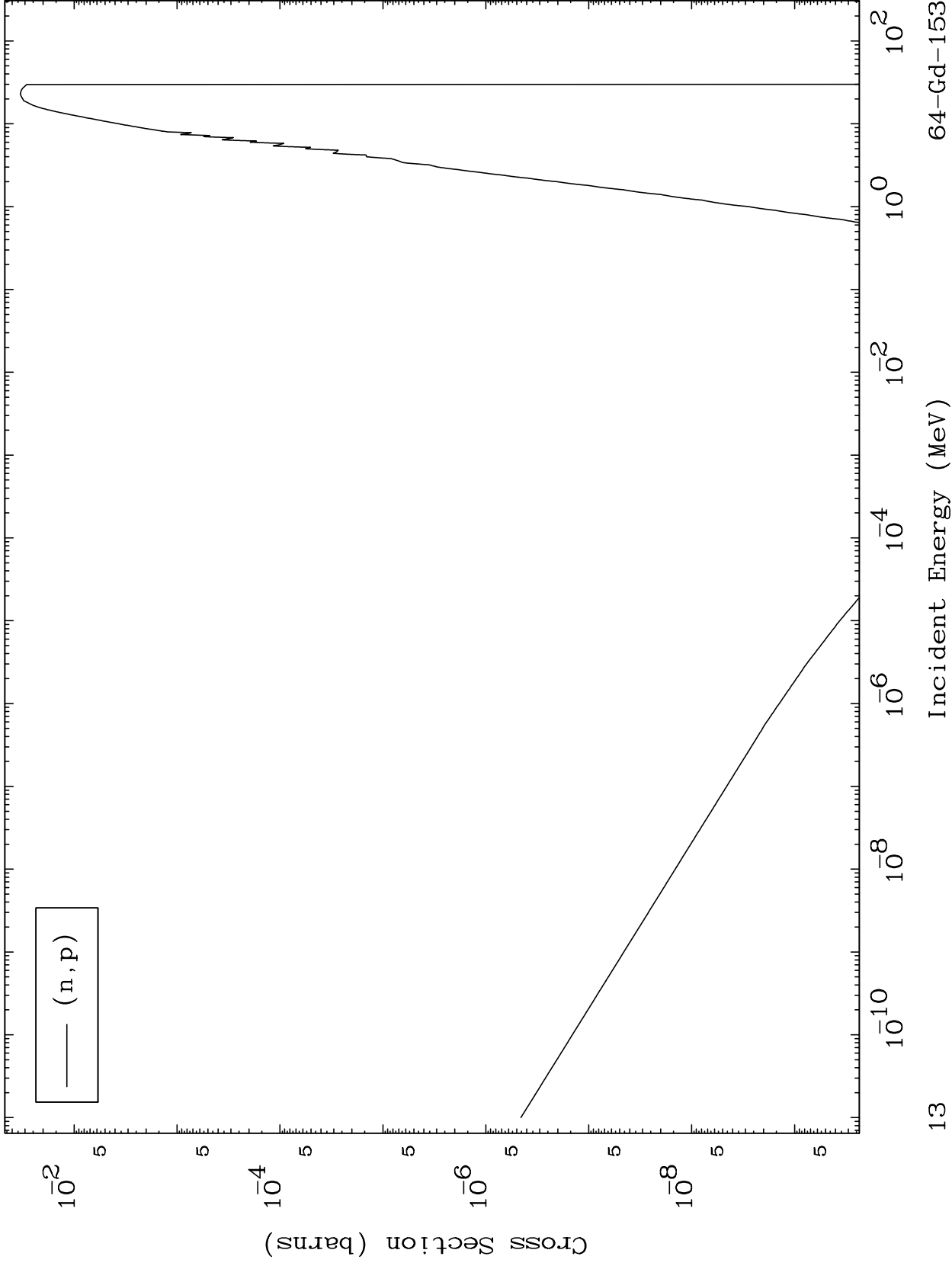




MAT 6428

(n,p) Levels  
293 Kelvin Cross Sections

64-Gd-153



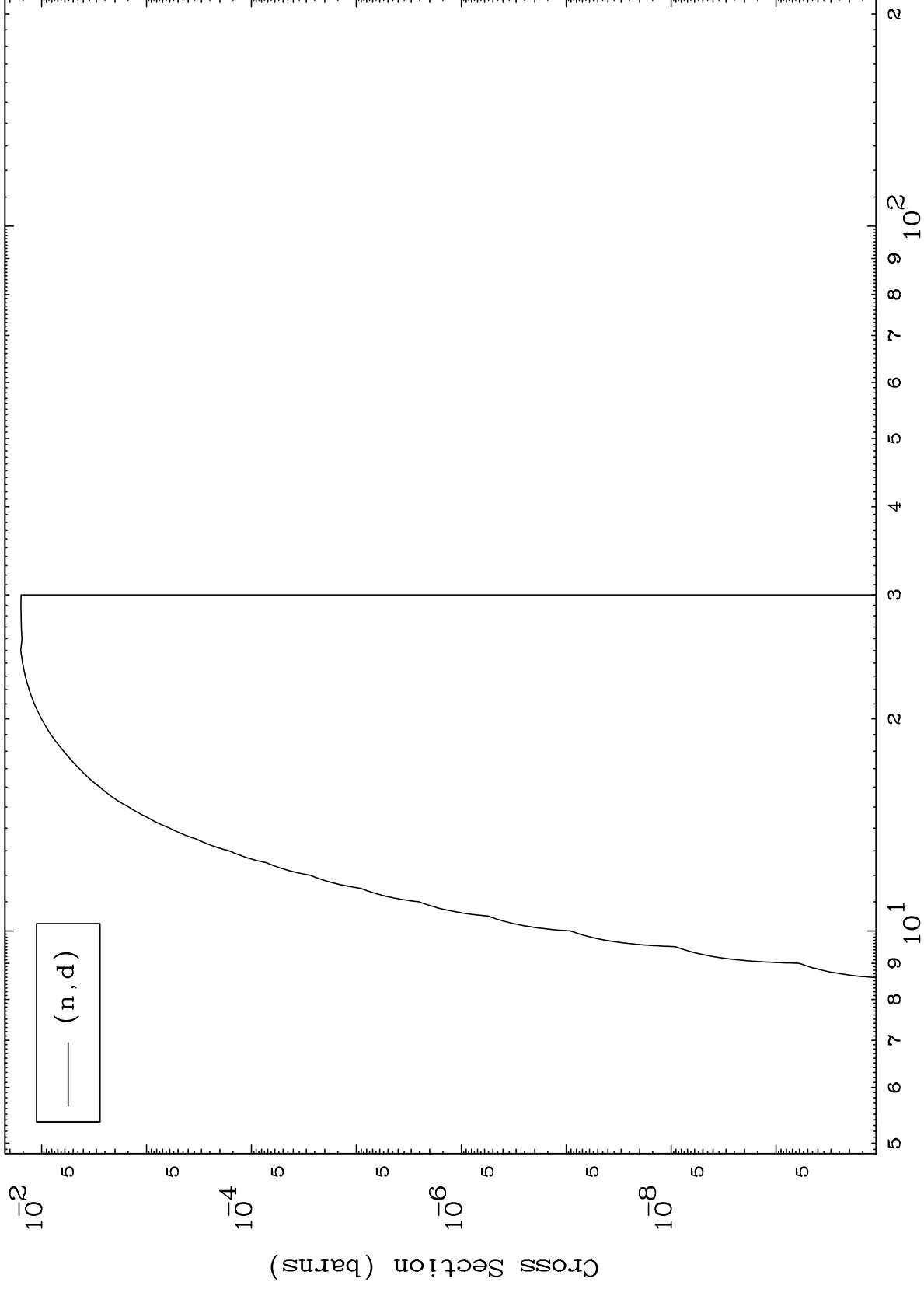
13

64-Gd-153

MAT 6428

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-153



14

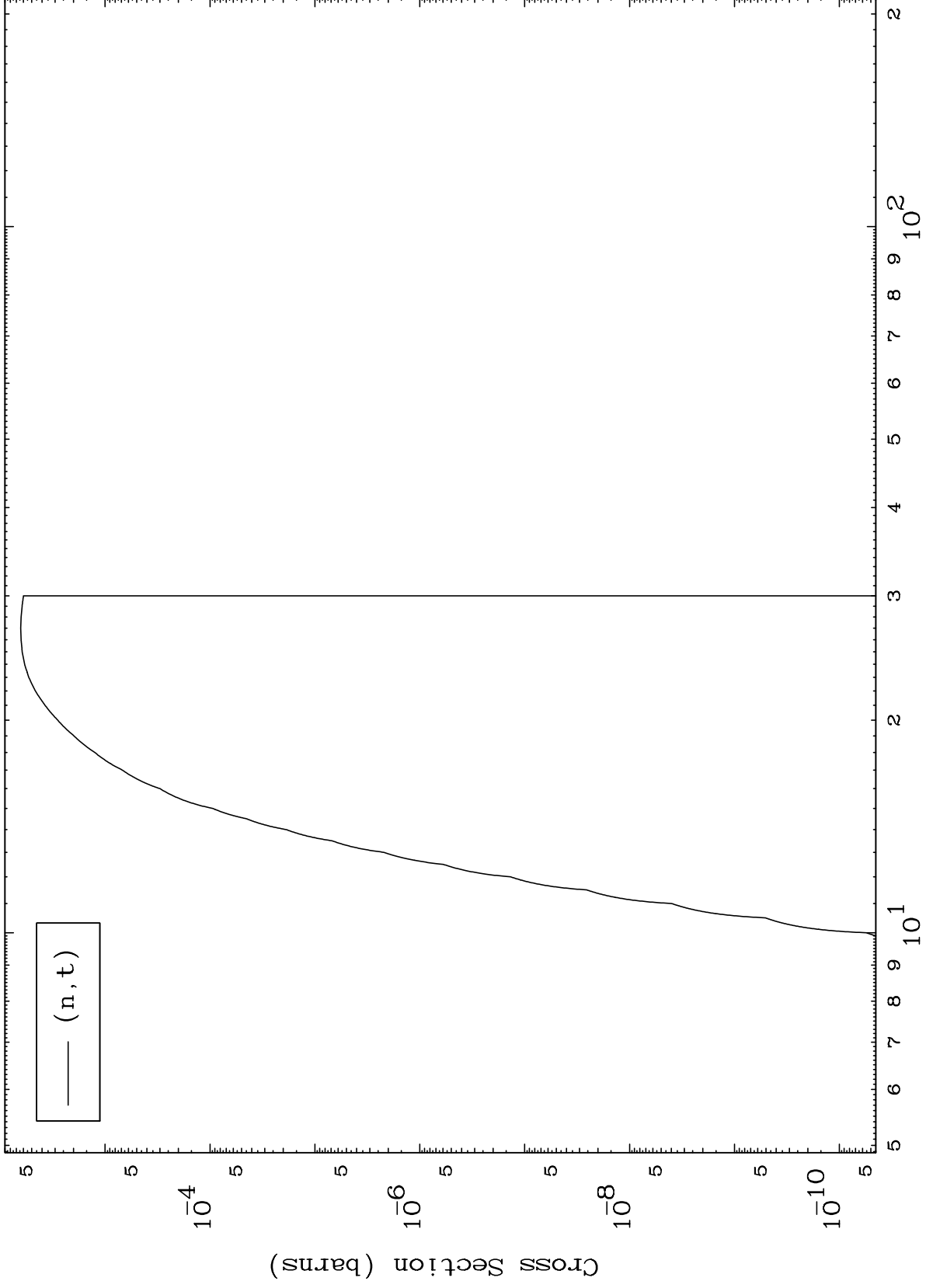
Incident Energy (MeV)

64-Gd-153

MAT 6428

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-153



15

Incident Energy (MeV)

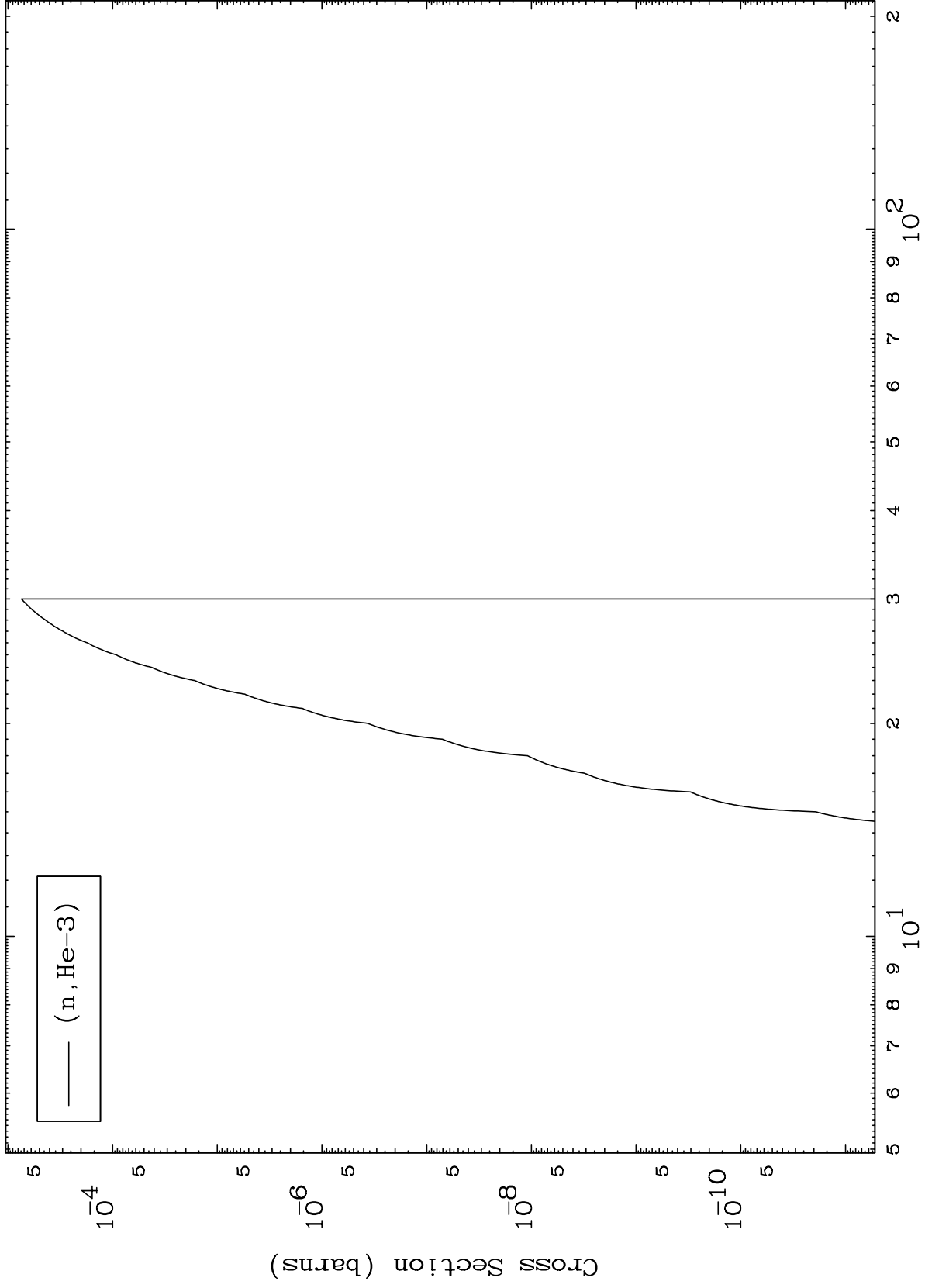
64-Gd-153



MAT 6428

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-153



16

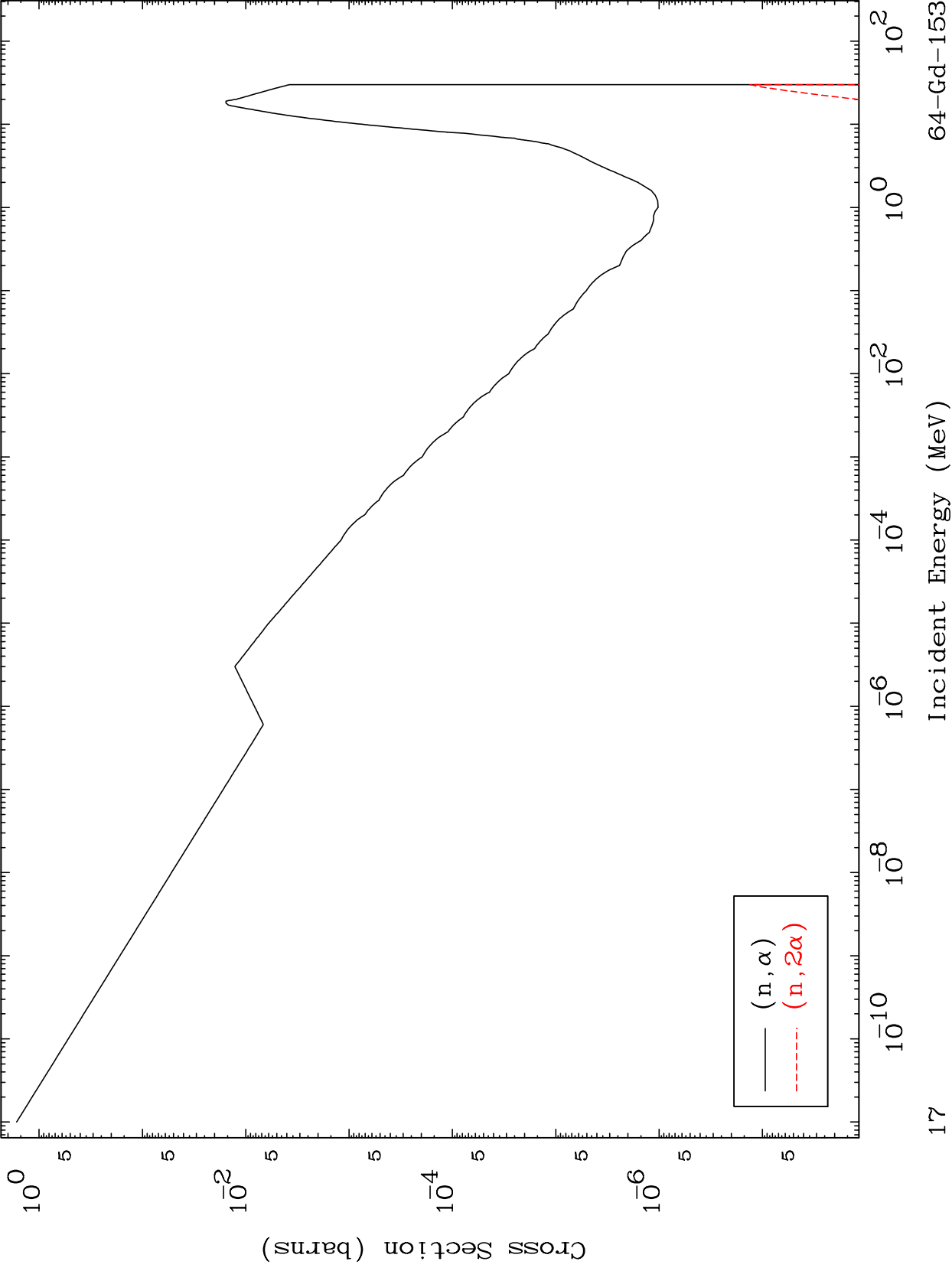
Incident Energy (MeV)

64-Gd-153

MAT 6428

(n,α) Levels  
293 Kelvin Cross Sections

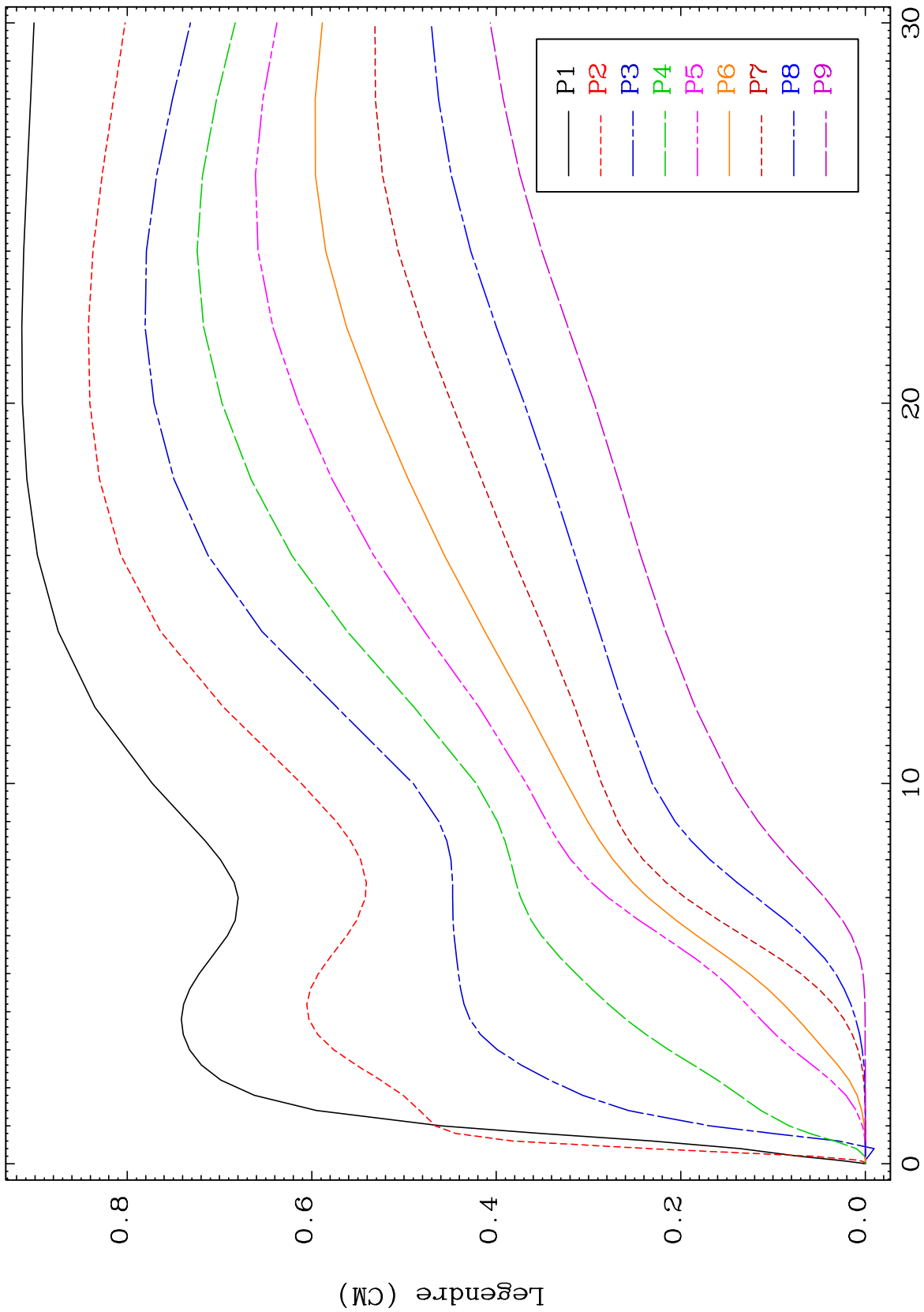
64-Gd-153



MAT 6428

64-Gd-153

Elastic Legendre Coefficients



64-Gd-153

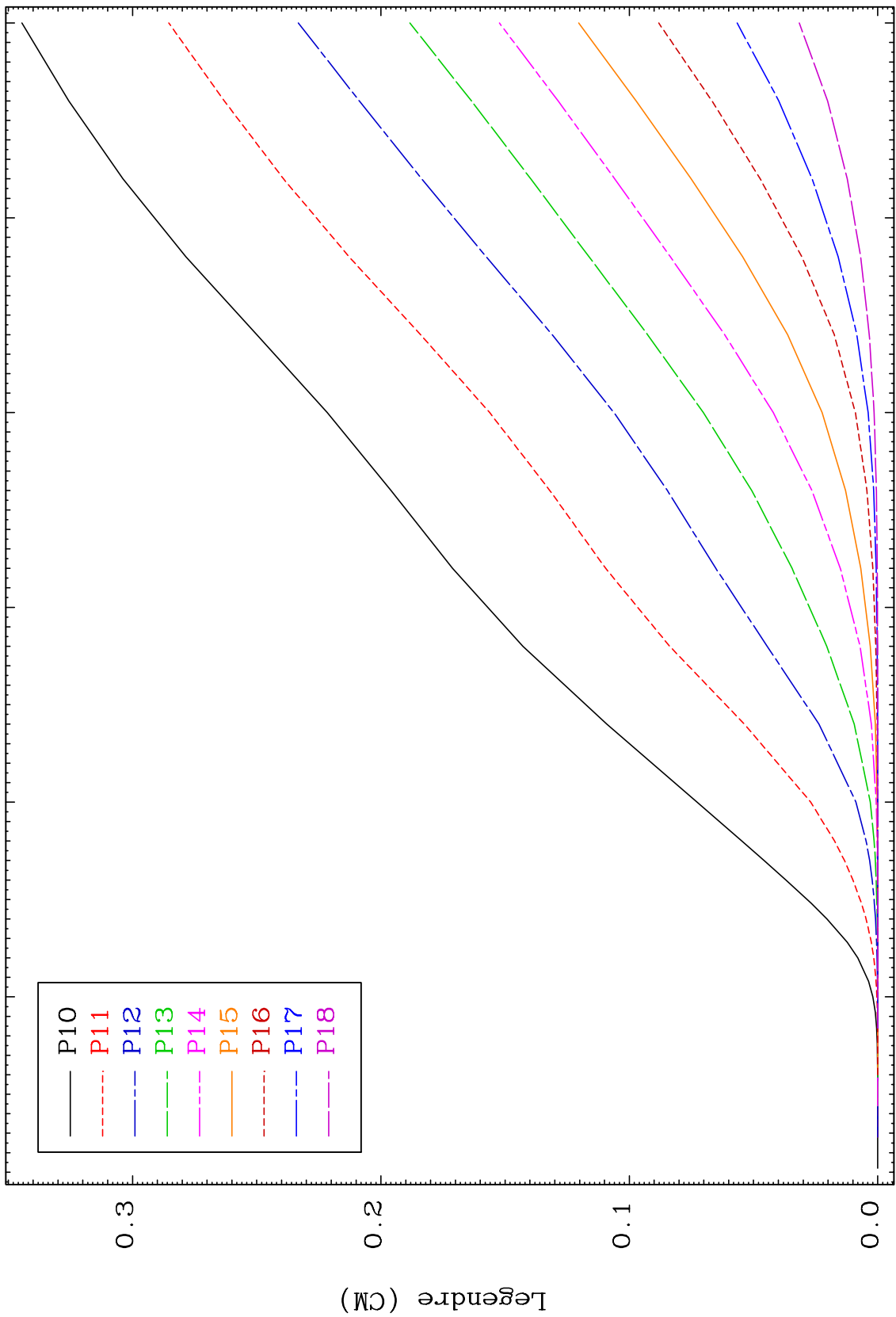
Incident Energy (MeV)

18

MAT 6428

Elastic Legendre Coefficients

64-Gd-153



19

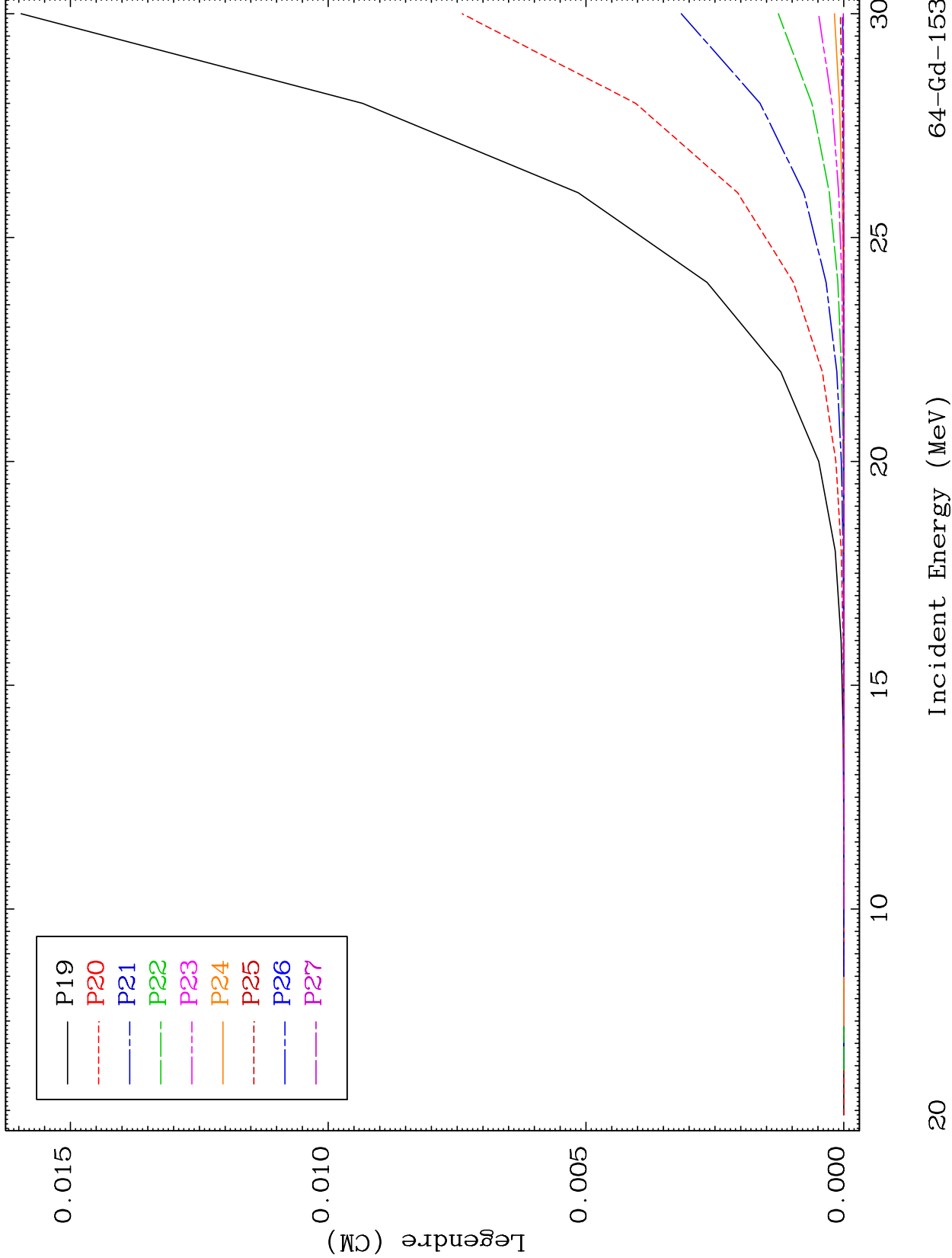
Incident Energy (MeV)

64-Gd-153

MAT 6428

### Elastic Legendre Coefficients

64-Gd-153



20

Incident Energy (MeV)

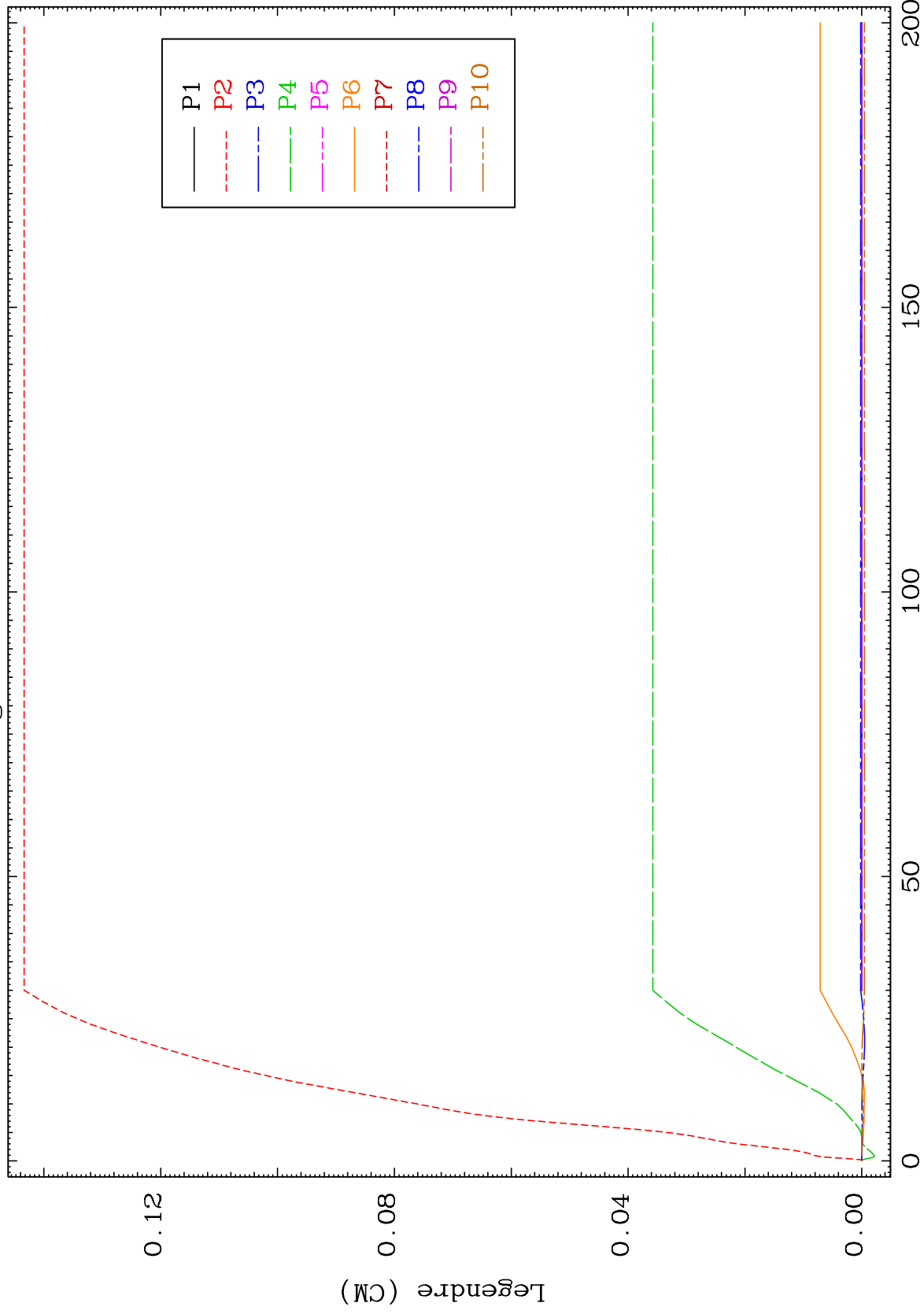
64-Gd-153



MAT 6428

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

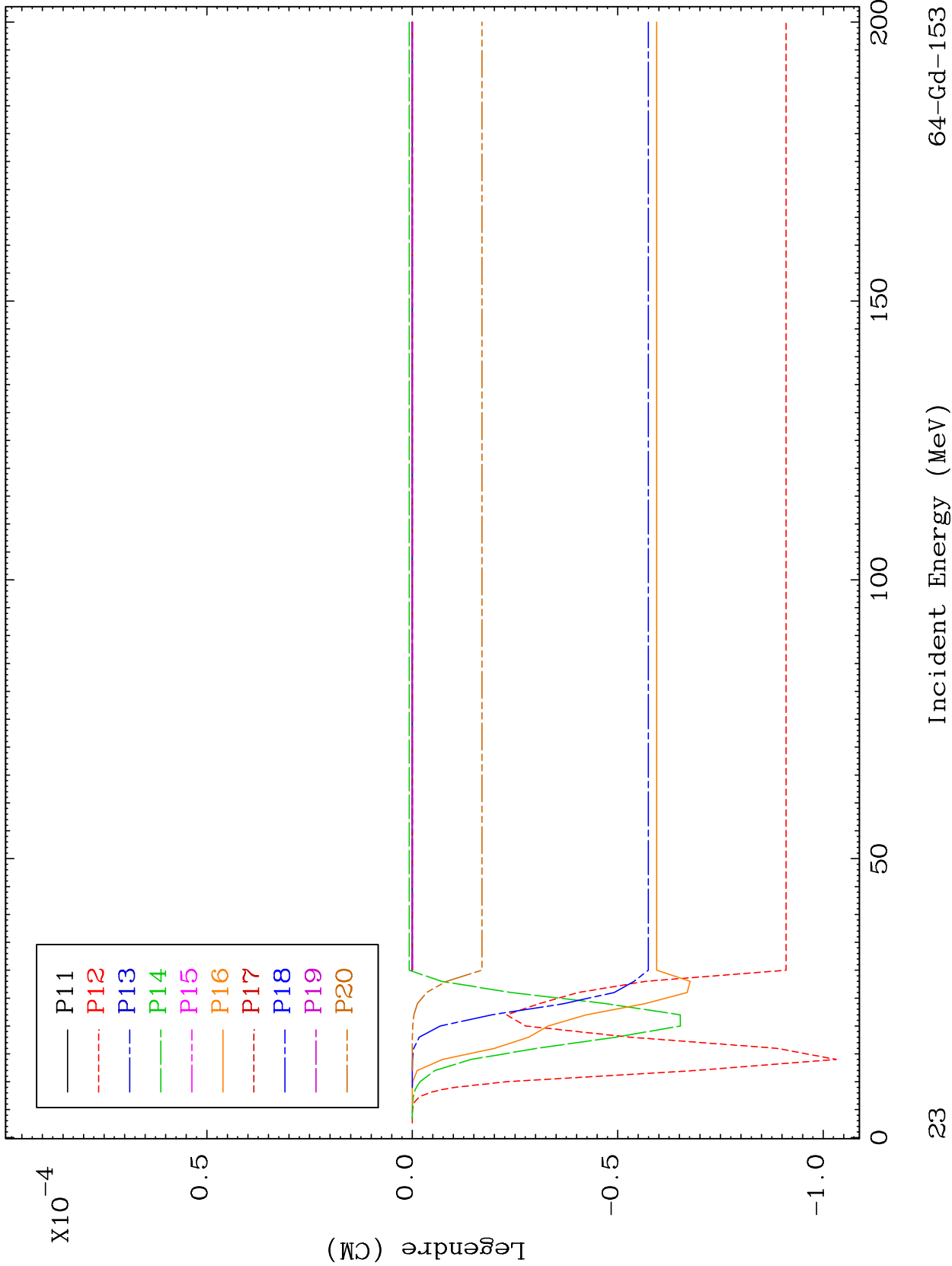
64-Gd-153



64-Gd-153

Incident Energy (MeV)

22

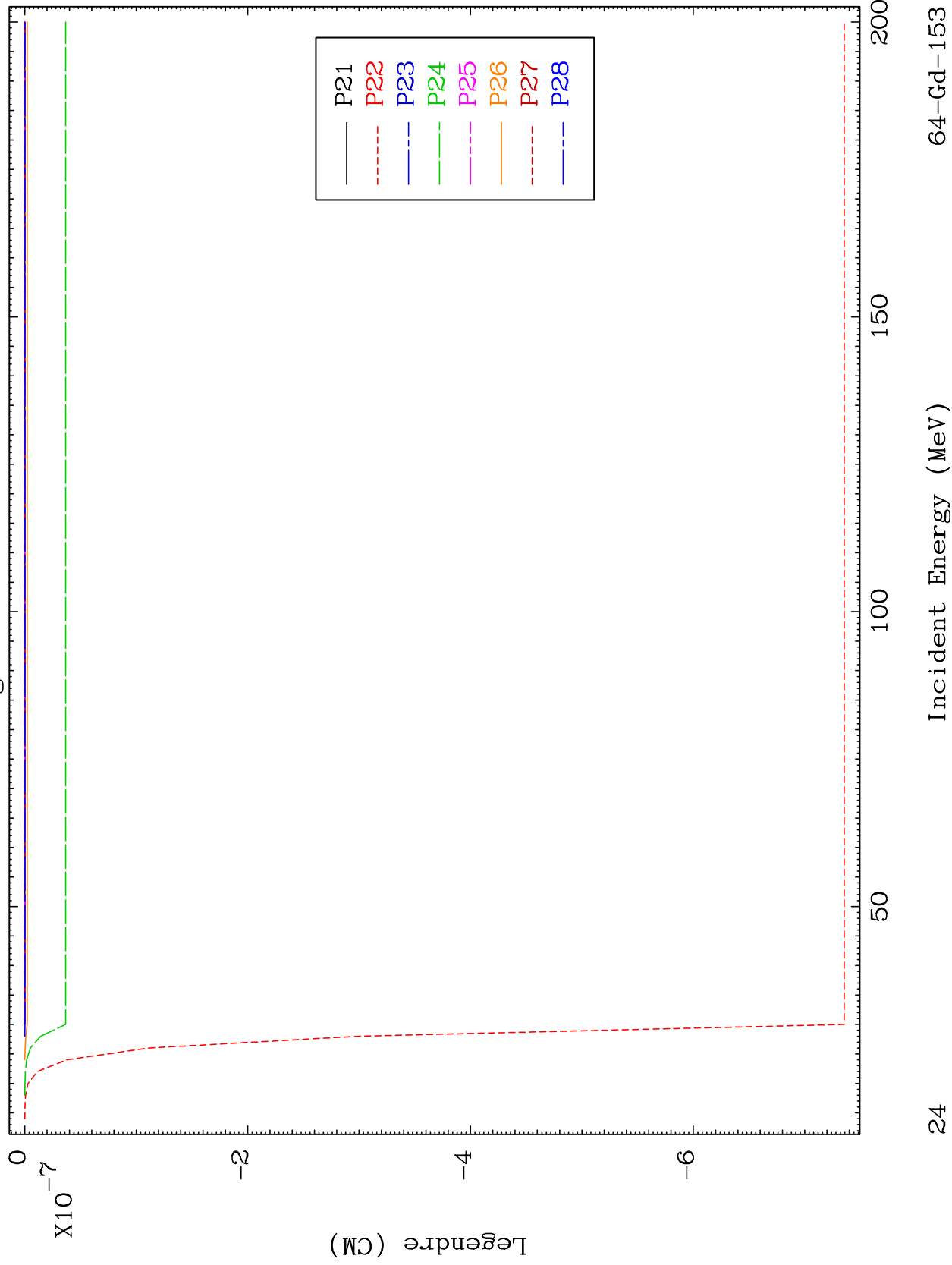




MAT 6428

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

64-Gd-153



24

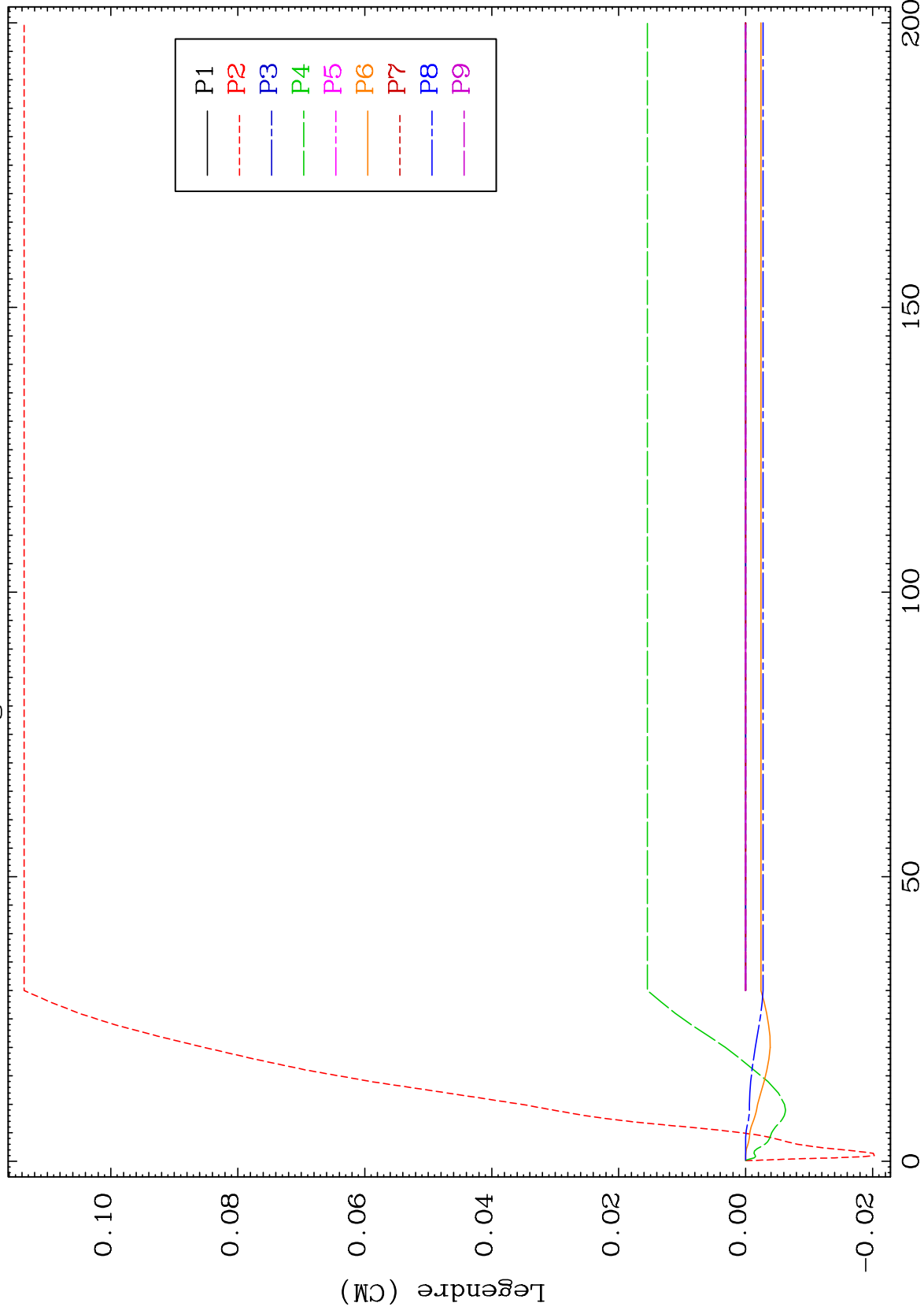
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

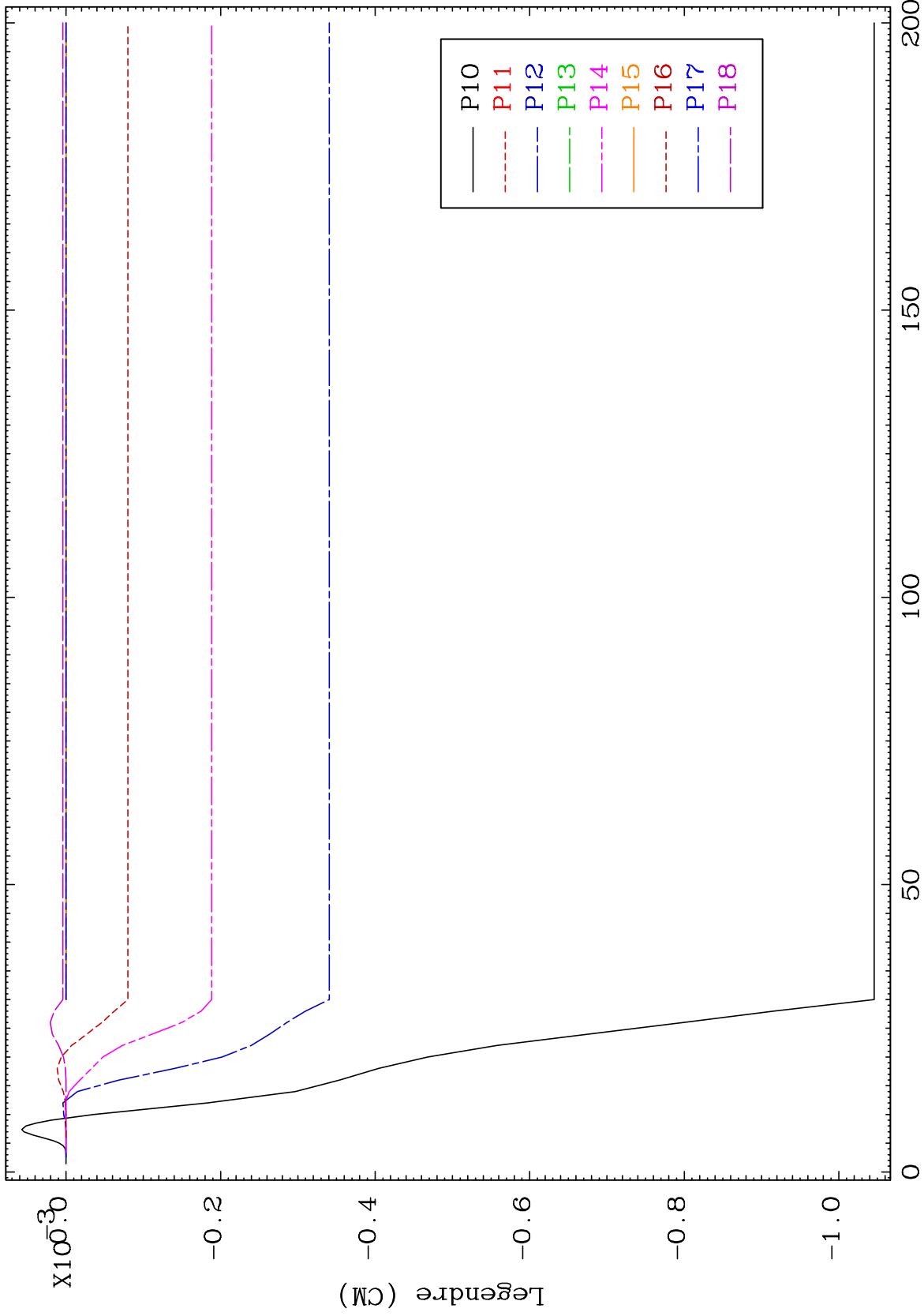
64-Gd-153



64-Gd-153

Incident Energy (MeV)

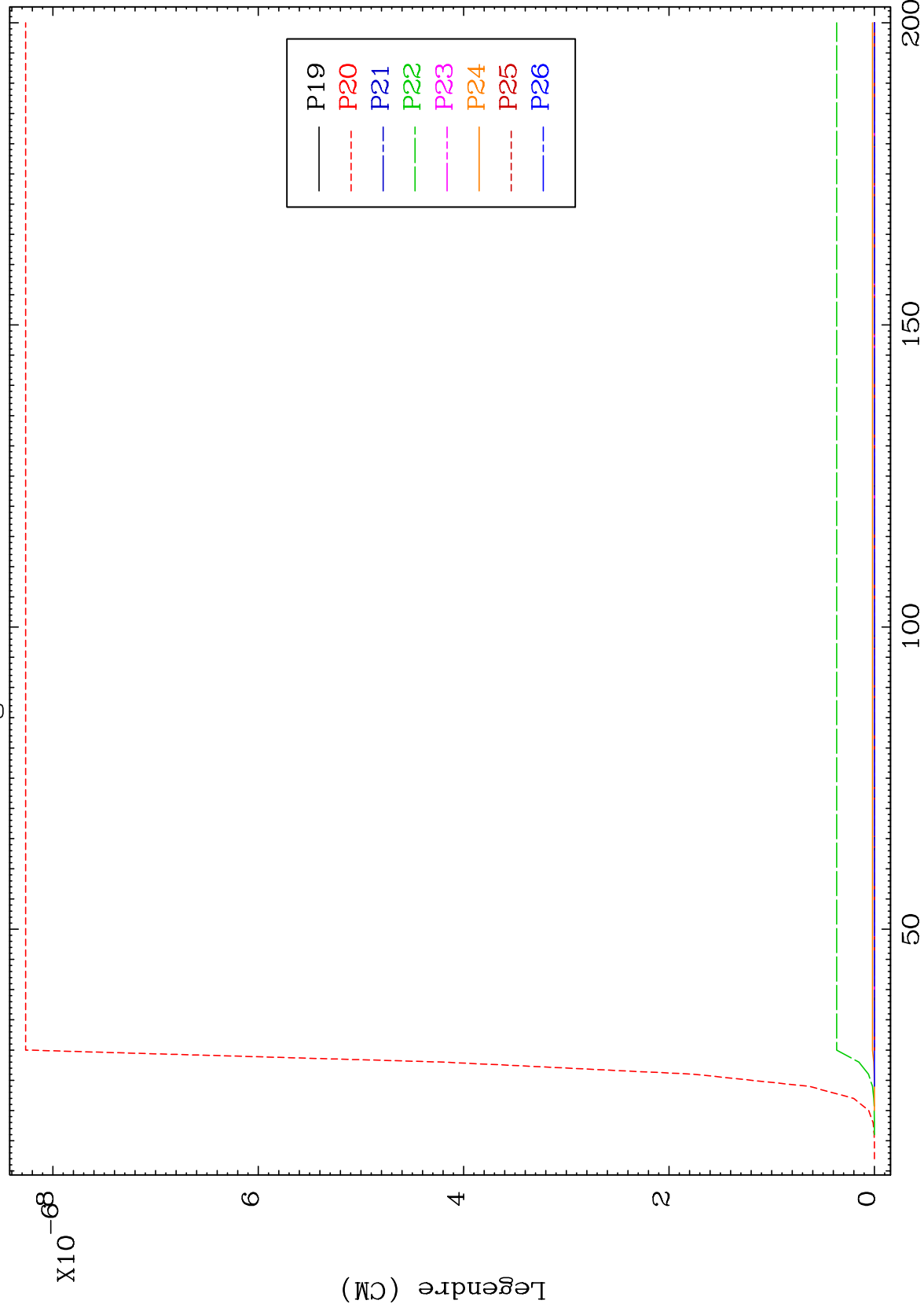
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MAT 6428

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

64-Gd-153



27

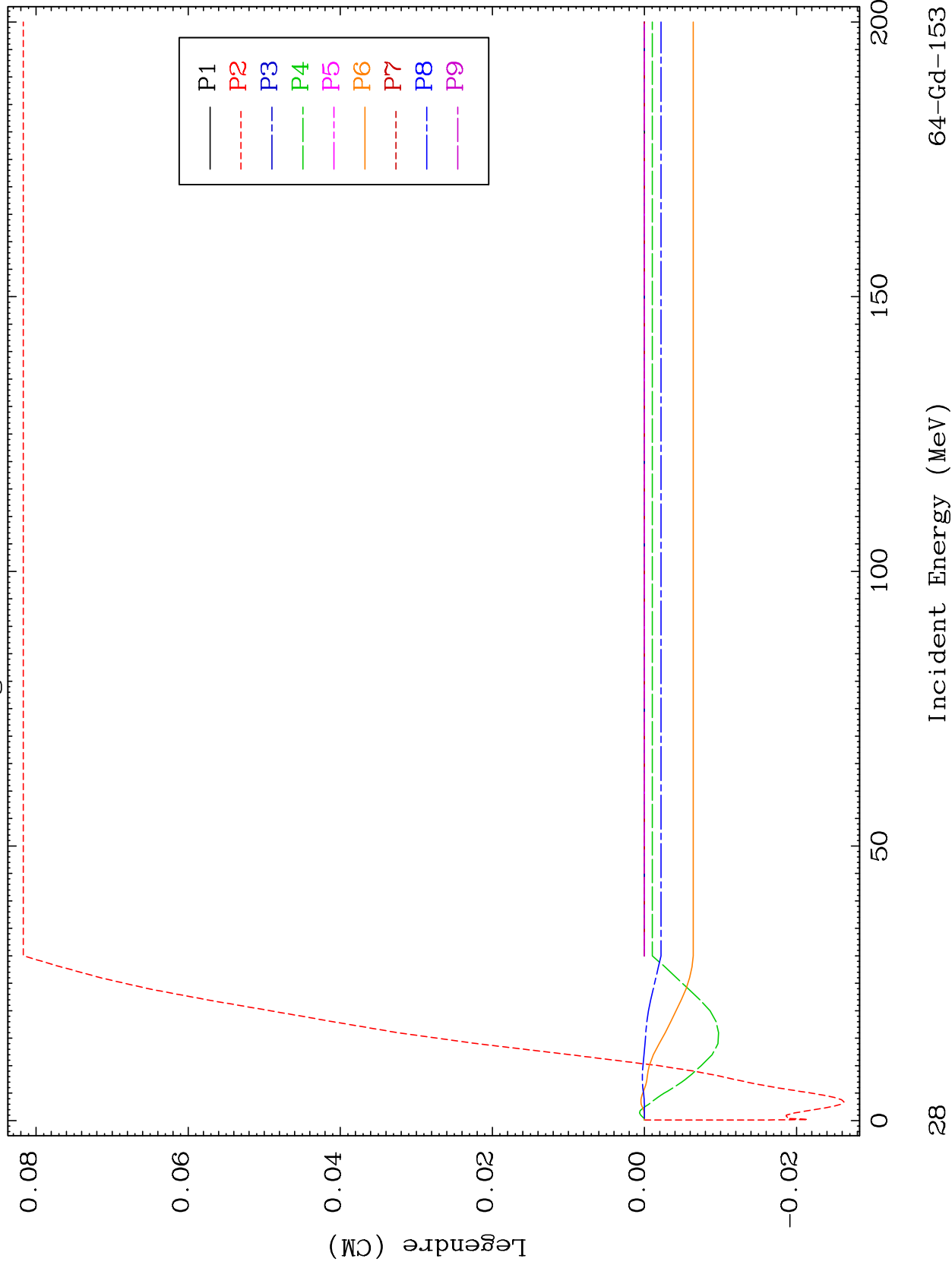
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153

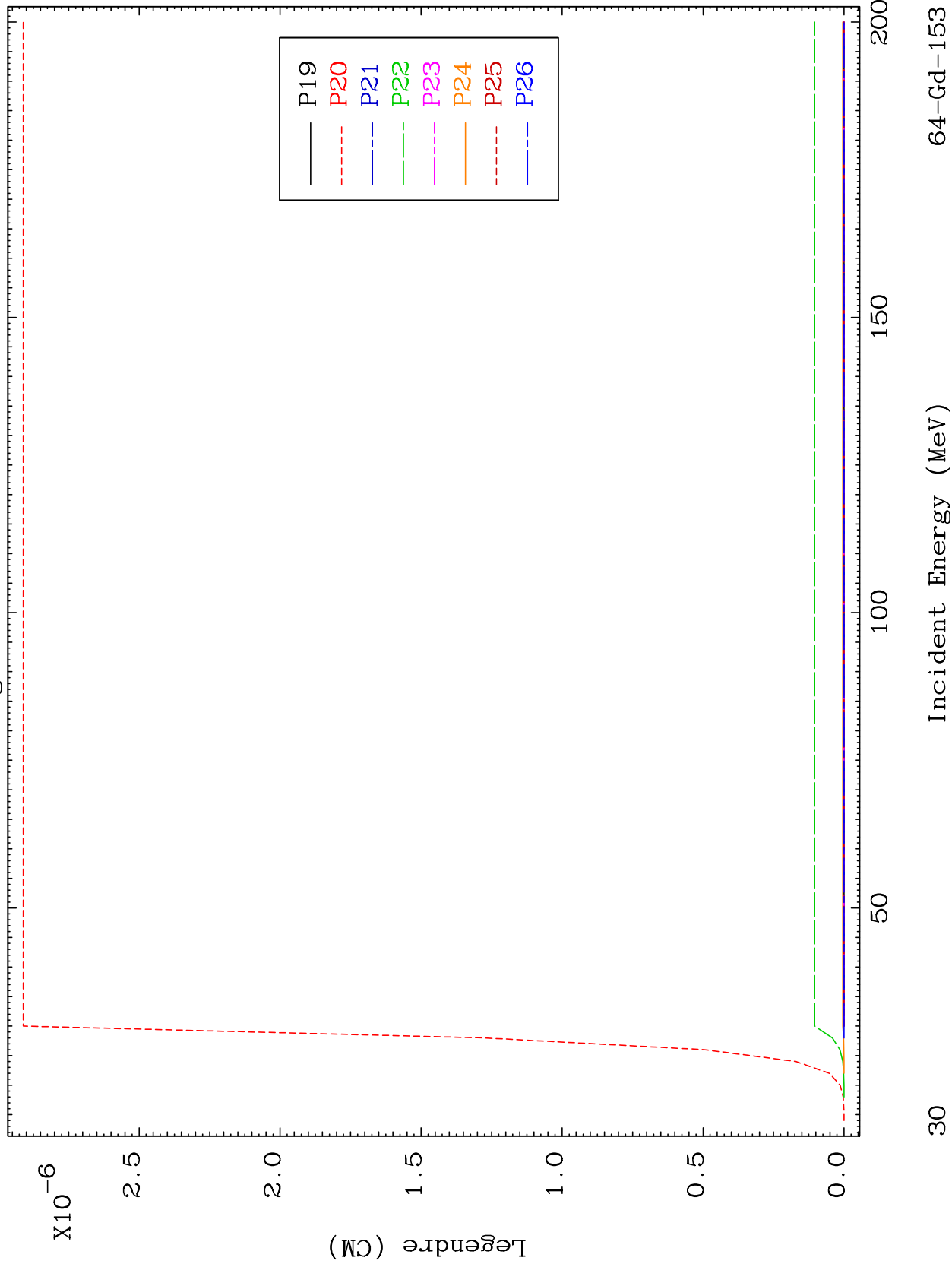




MAT 6428

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

64-Gd-153



64-Gd-153

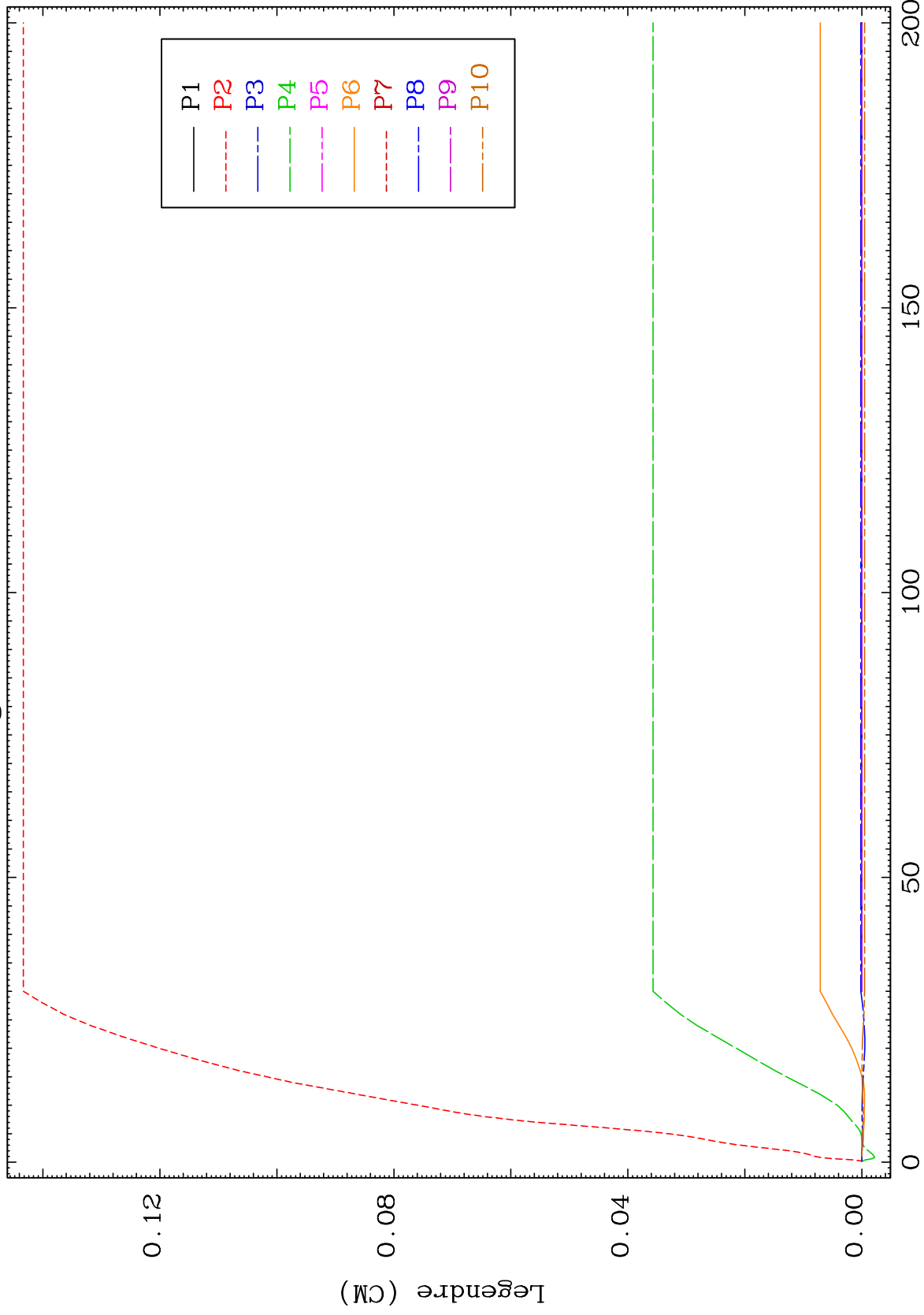
Incident Energy (MeV)

30

MAT 6428

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

64-Gd-153



31

Incident Energy (MeV)

64-Gd-153

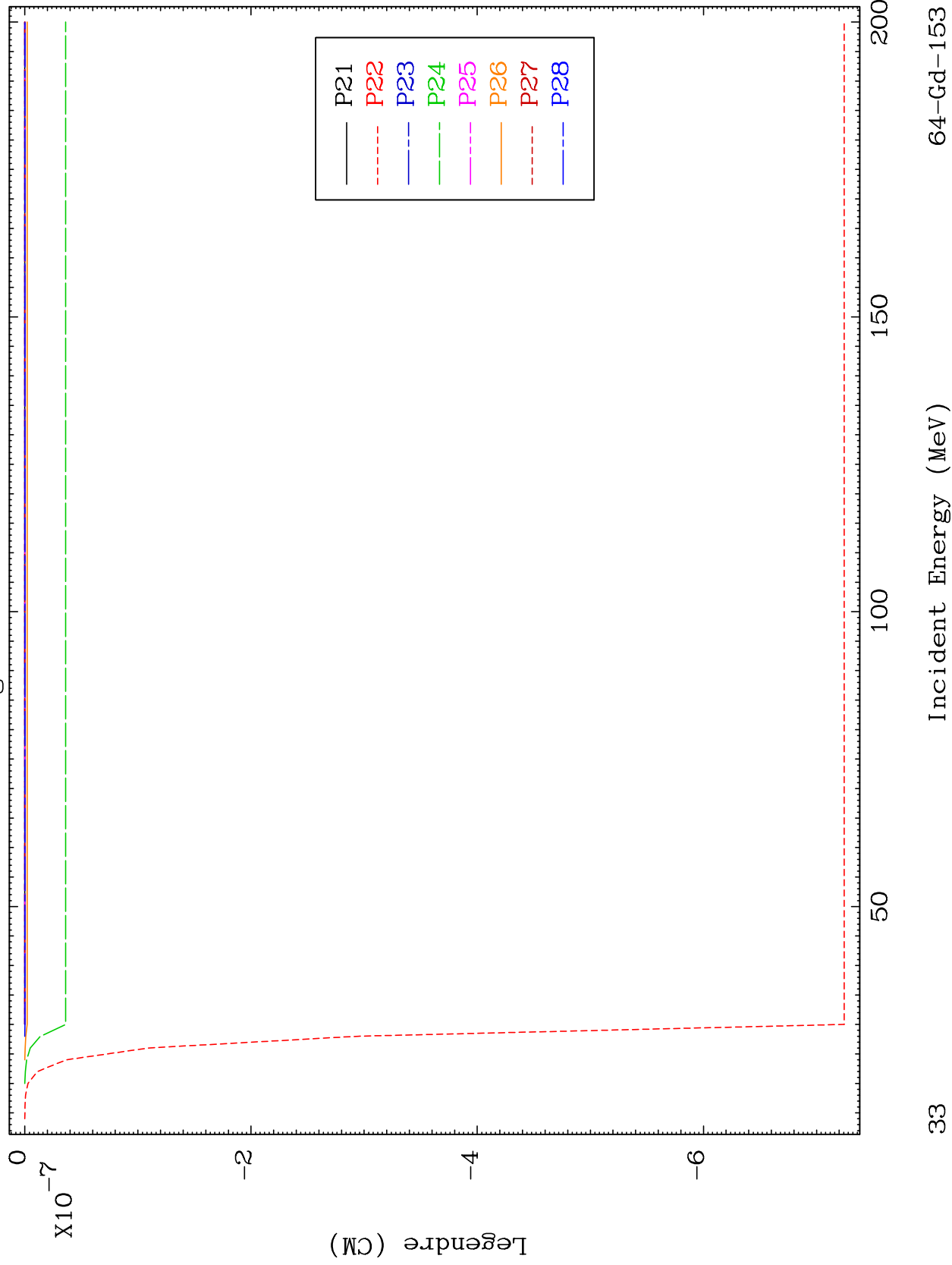




MAT 6428

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

64-Gd-153



33

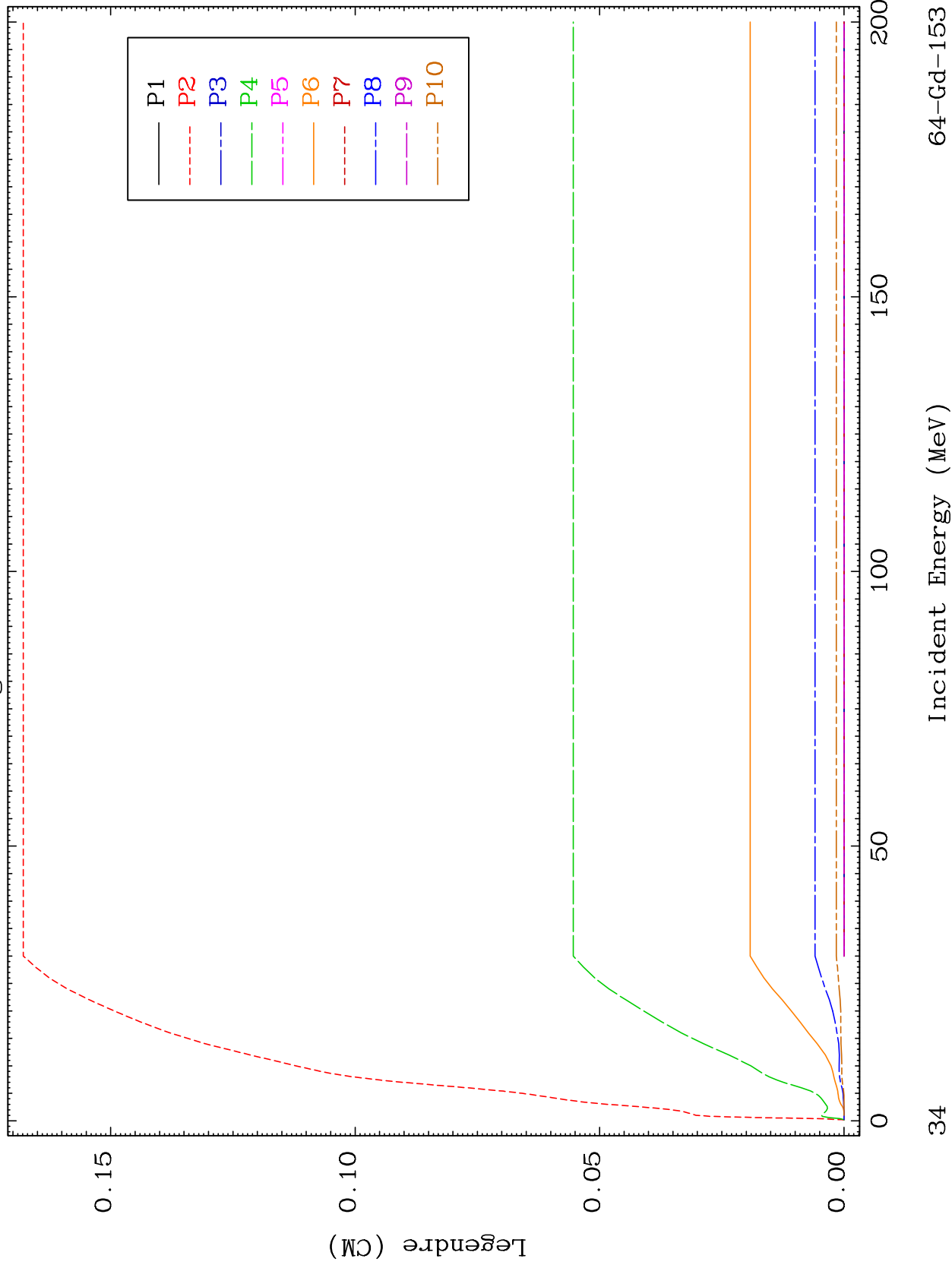
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

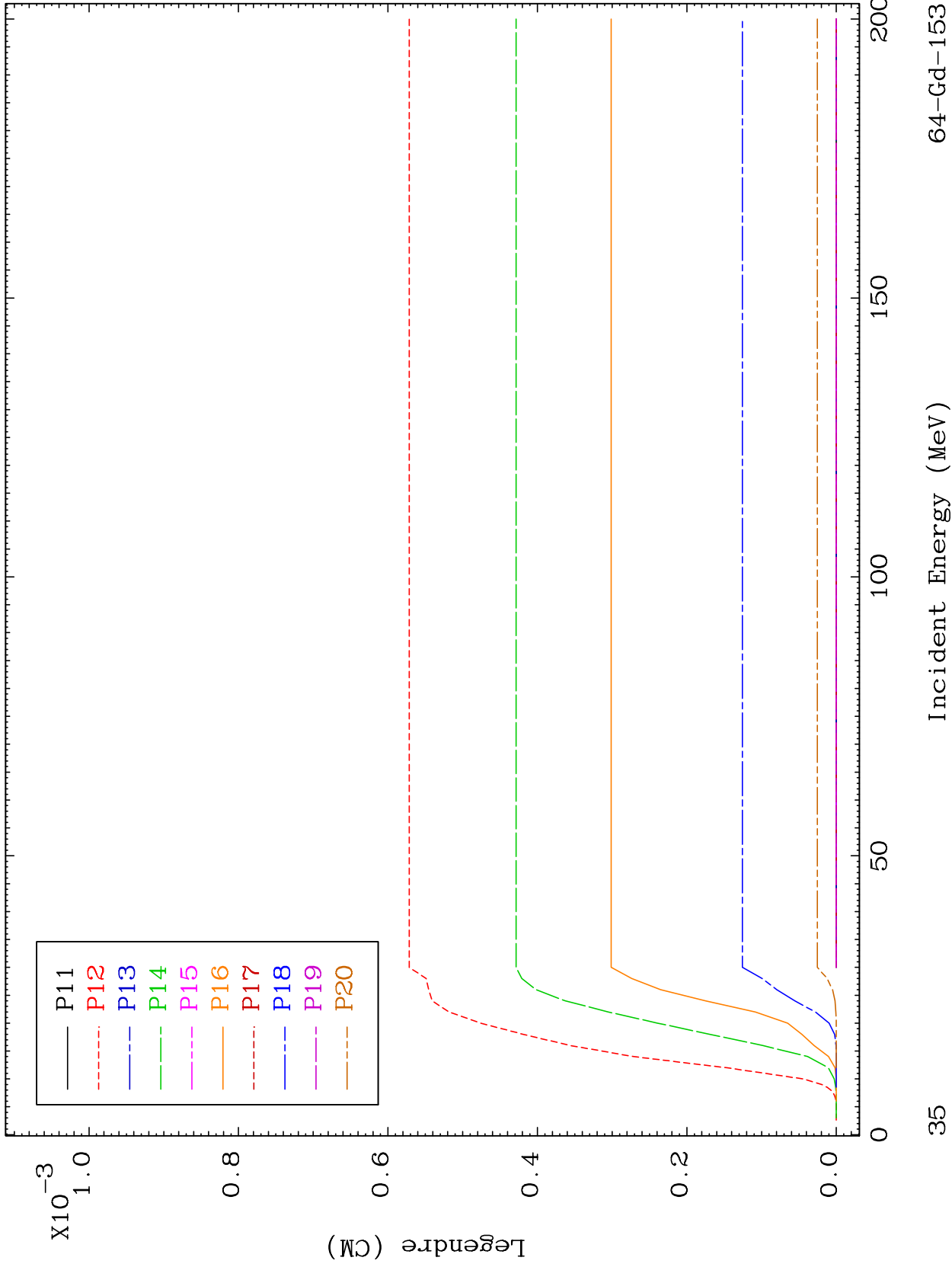
Incident Energy (MeV)

34

MAT 6428

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

64-Gd-153



35

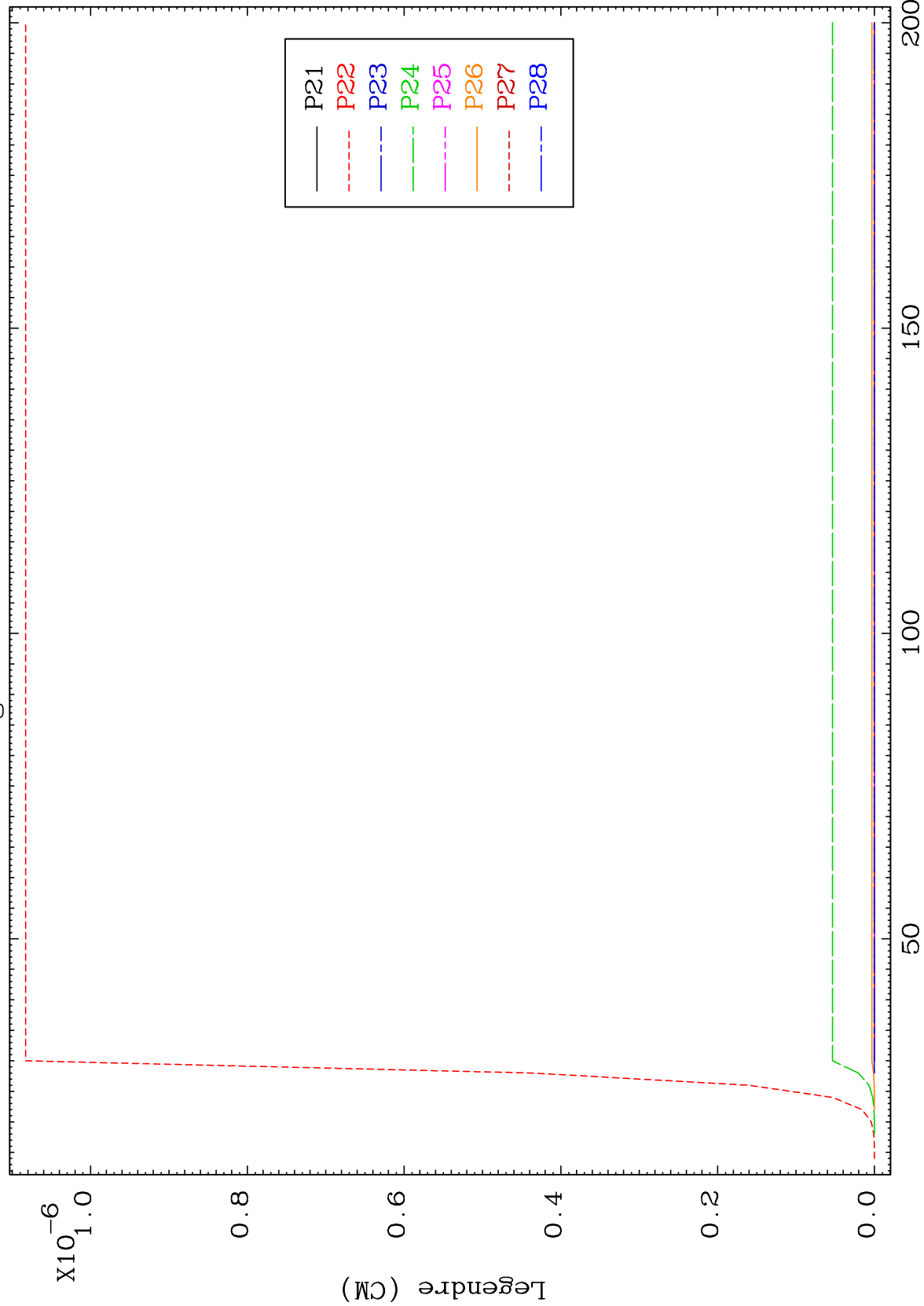
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



36

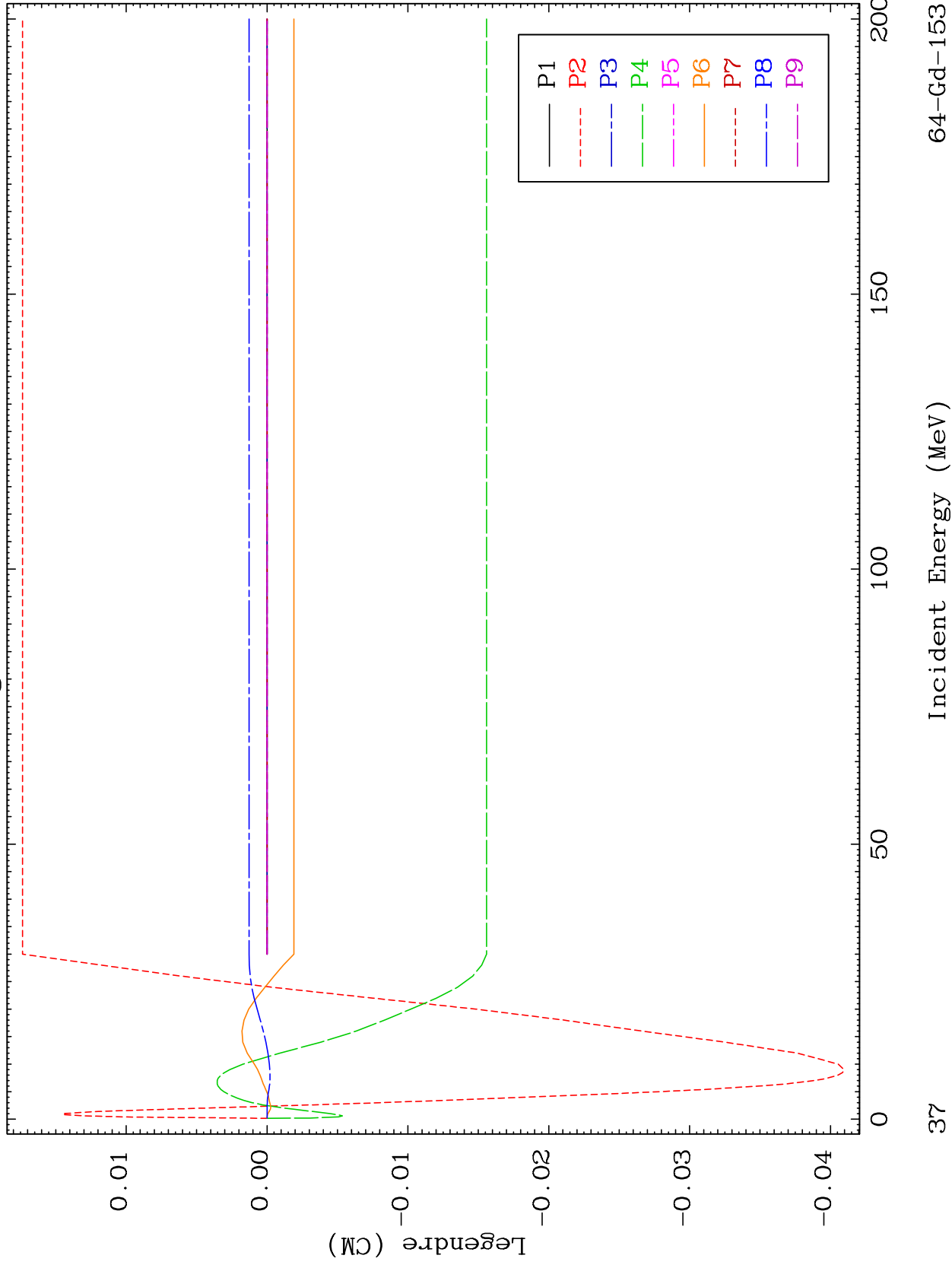
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



37

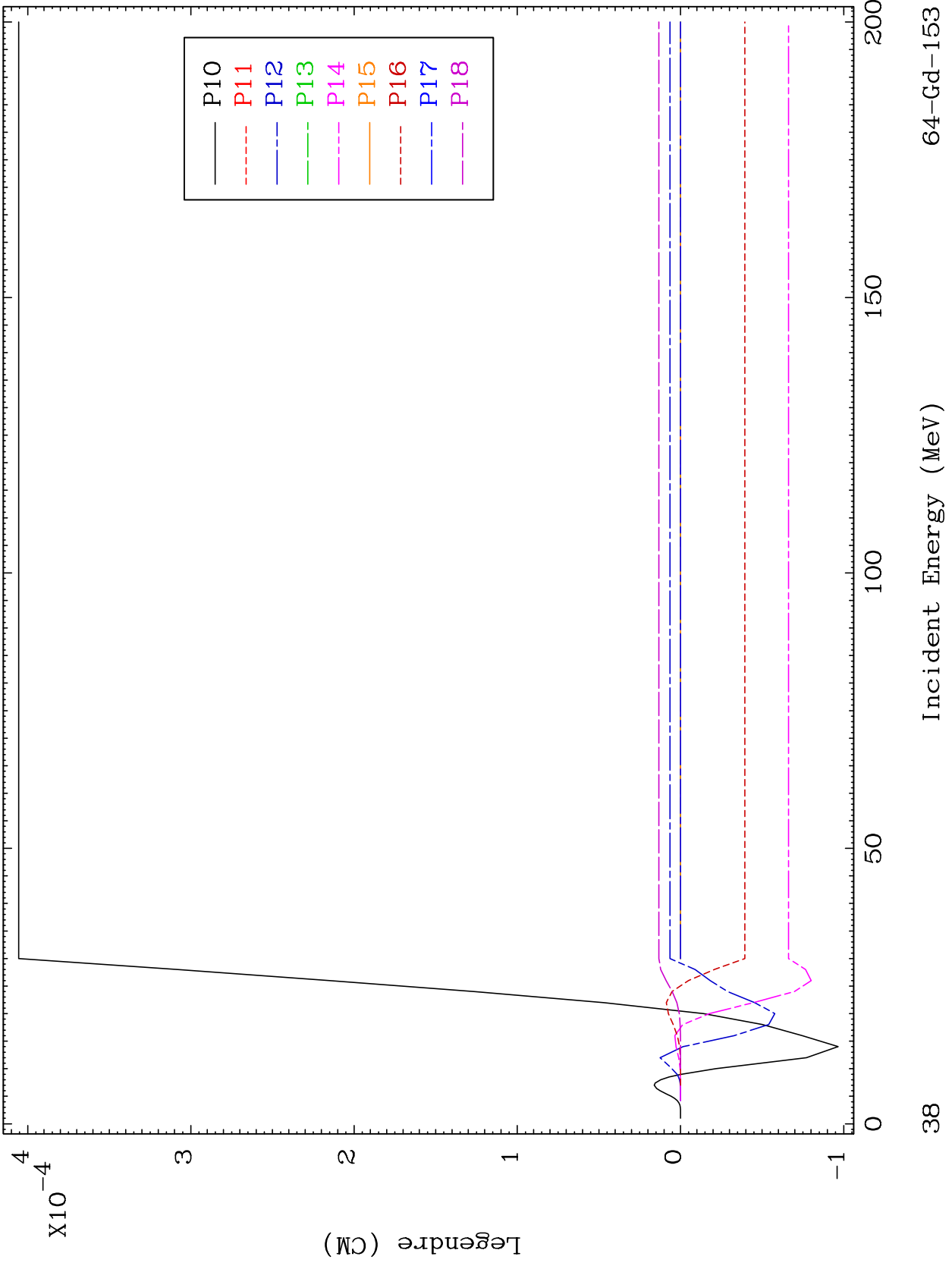
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

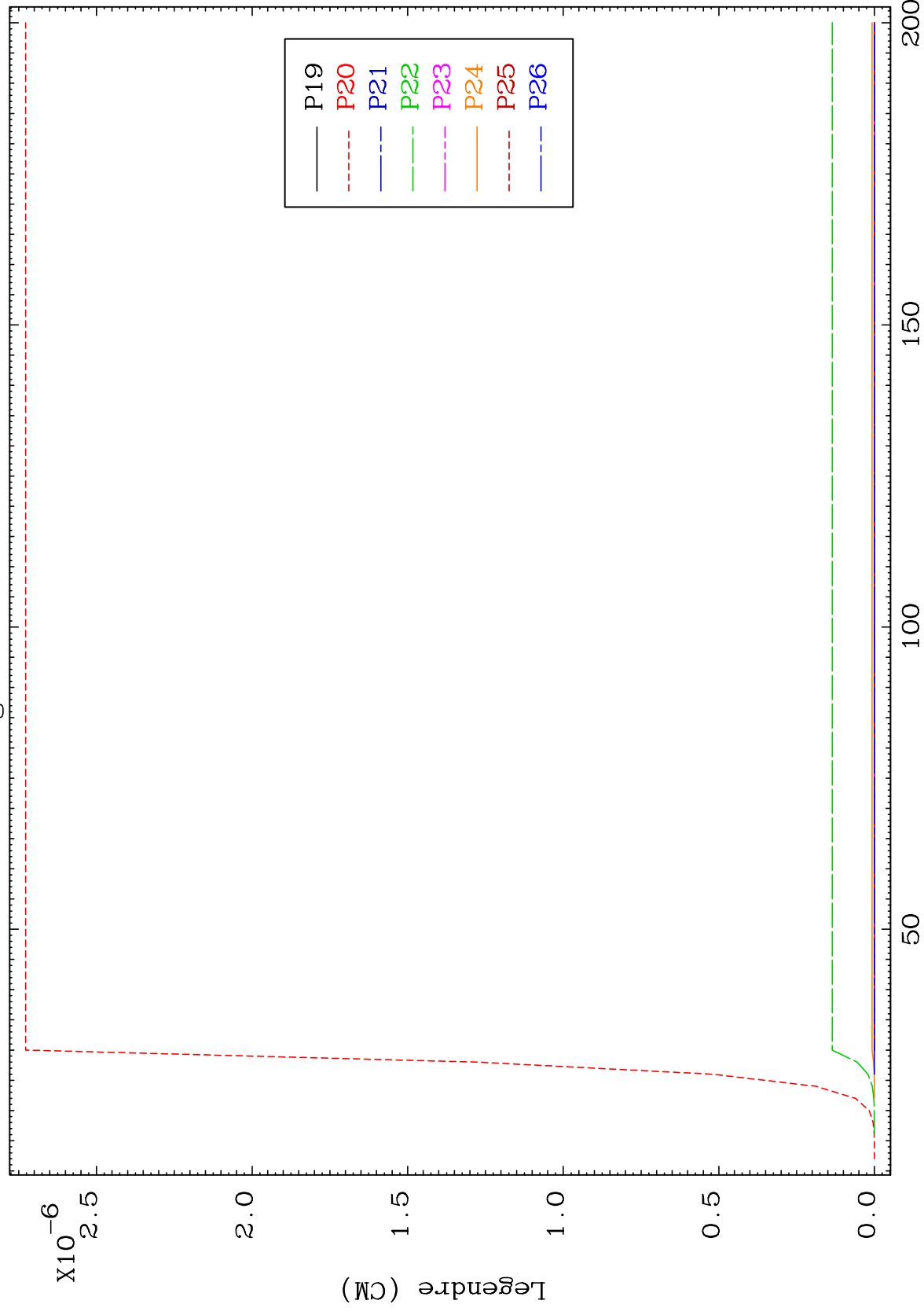
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MAT 6428

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

64-Gd-153



39

Incident Energy (MeV)

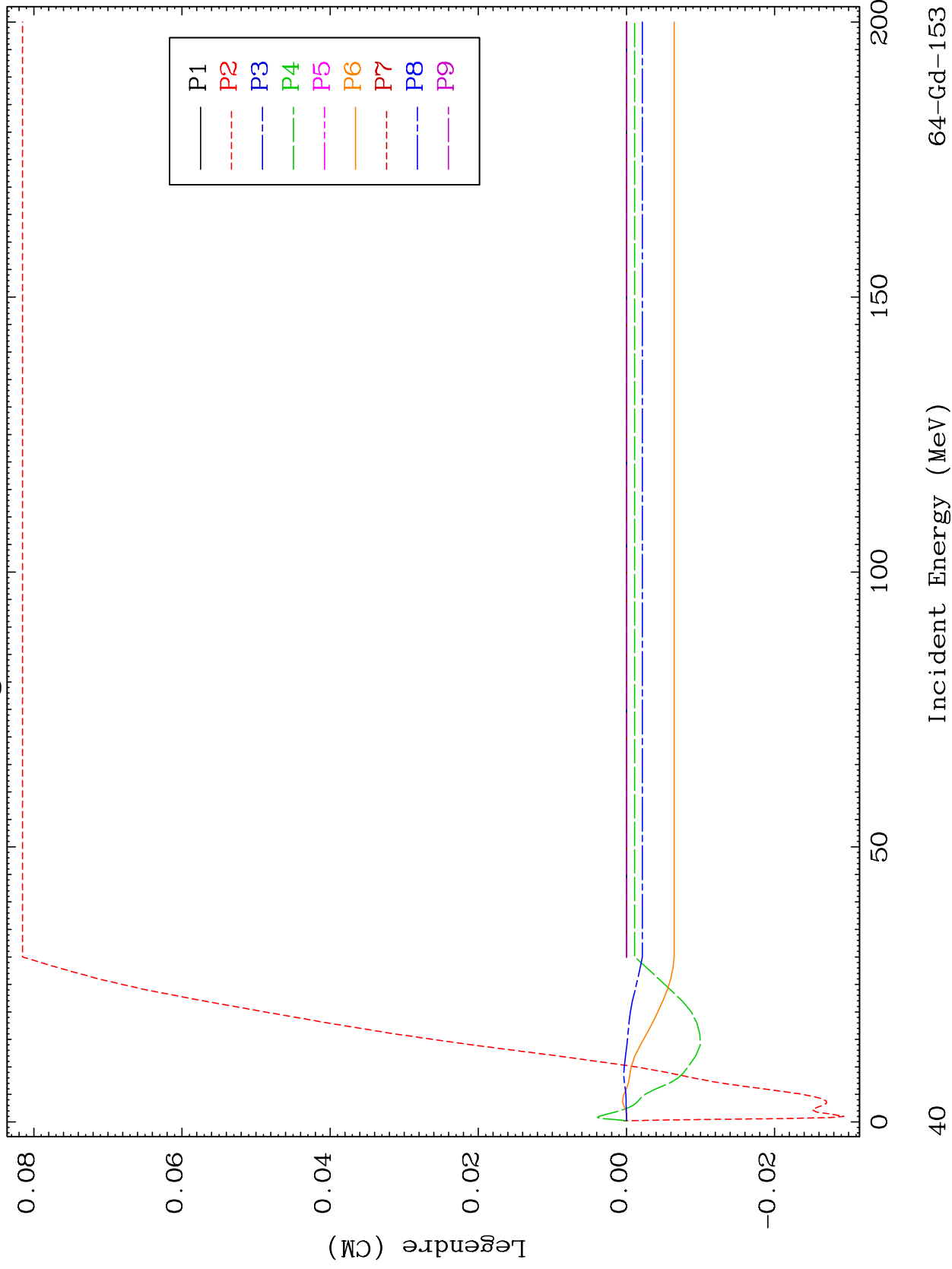
64-Gd-153



MAT 6428

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

64-Gd-153



64-Gd-153

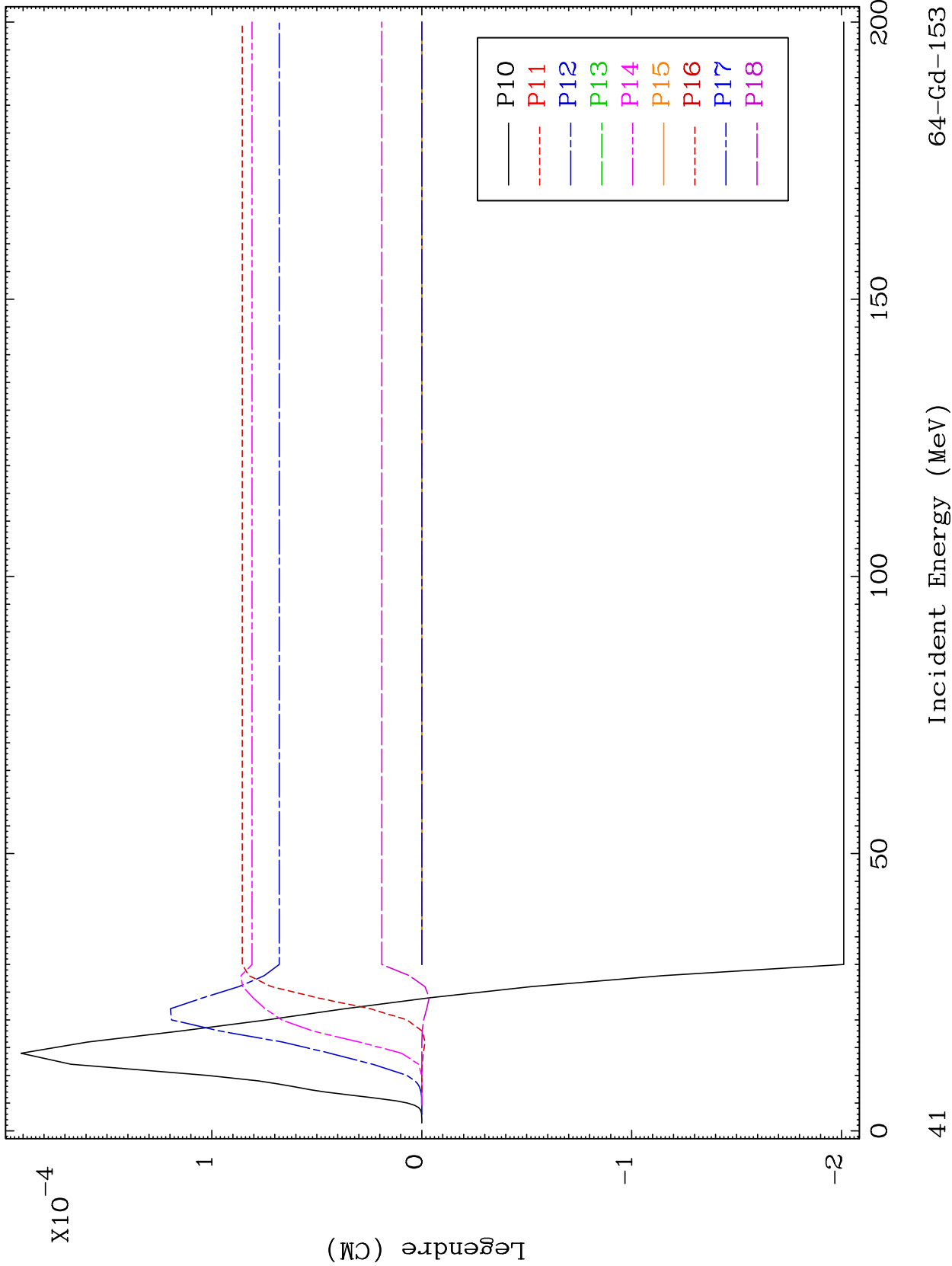
Incident Energy (MeV)

40

MAT 6428

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

64-Gd-153



64-Gd-153

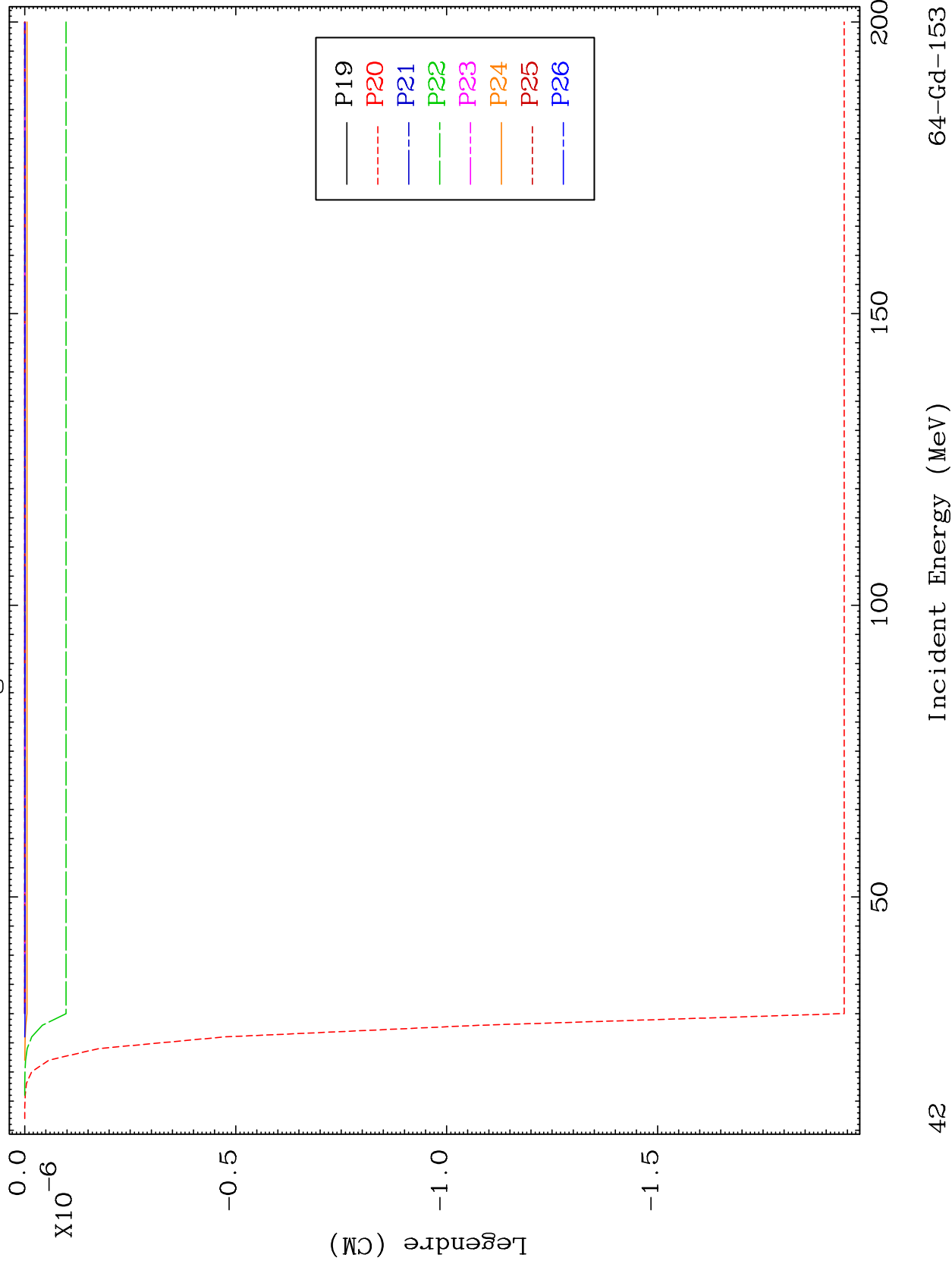
Incident Energy (MeV)

41

MAT 6428

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

64-Gd-153



42

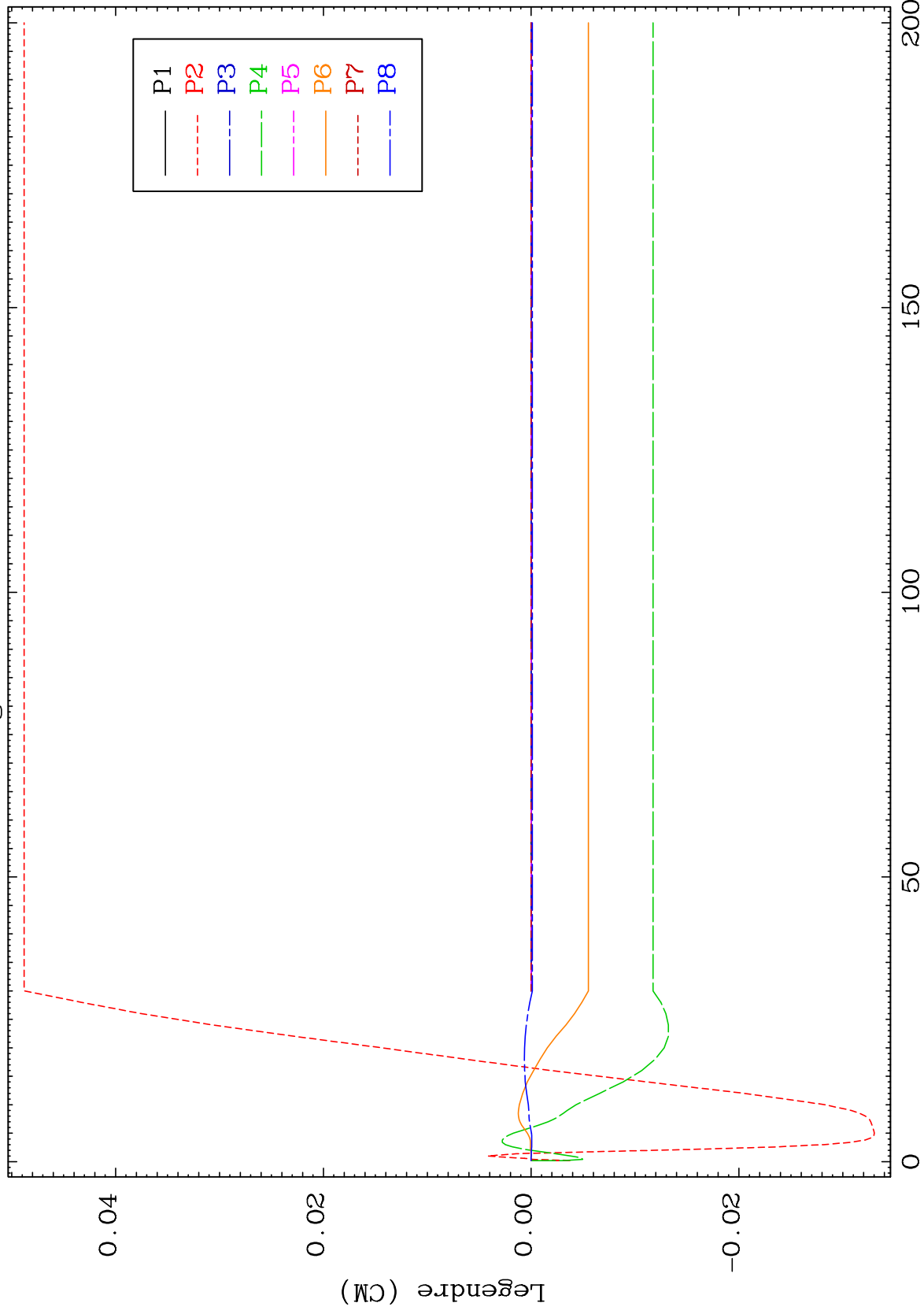
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



43

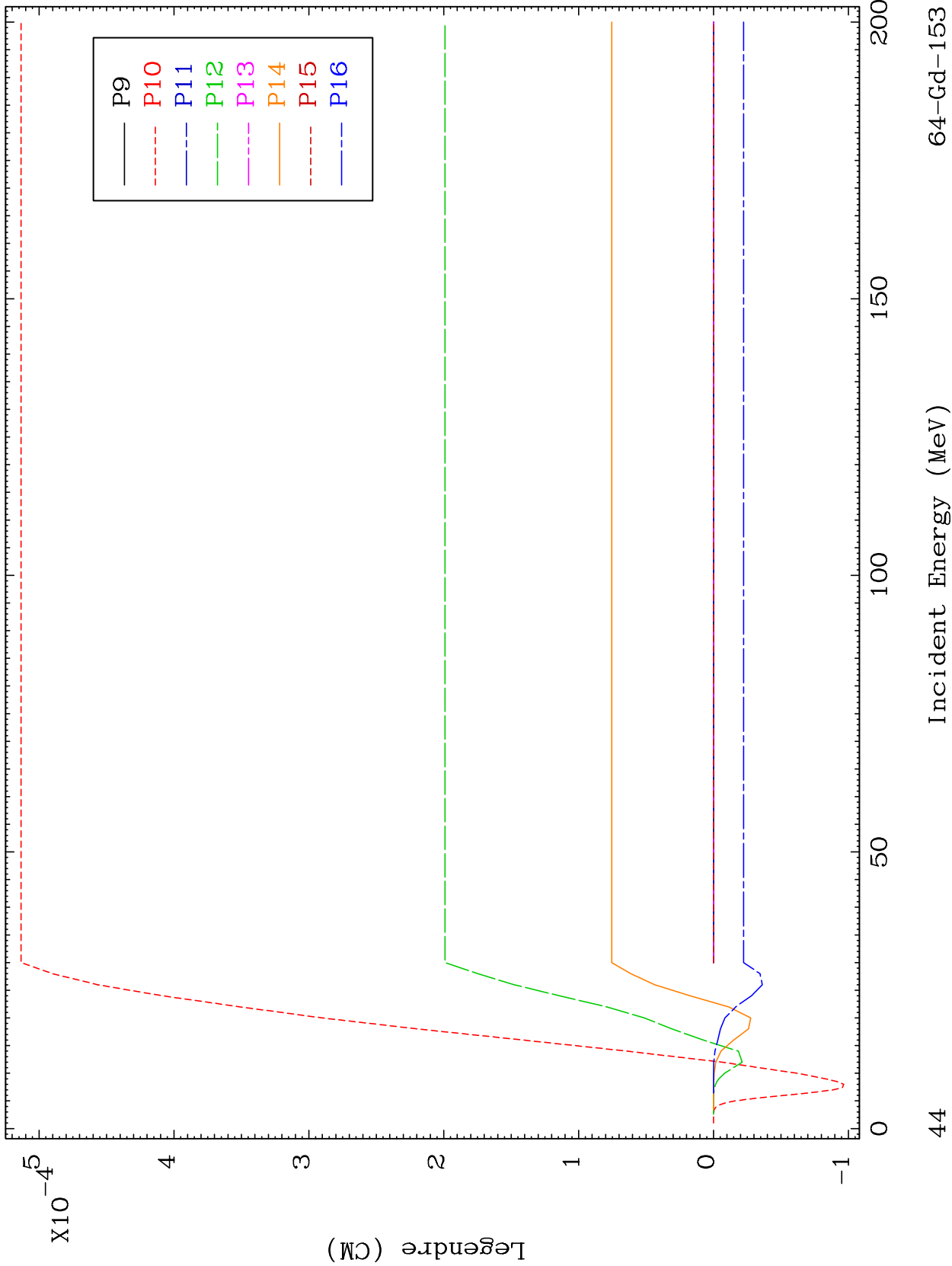
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



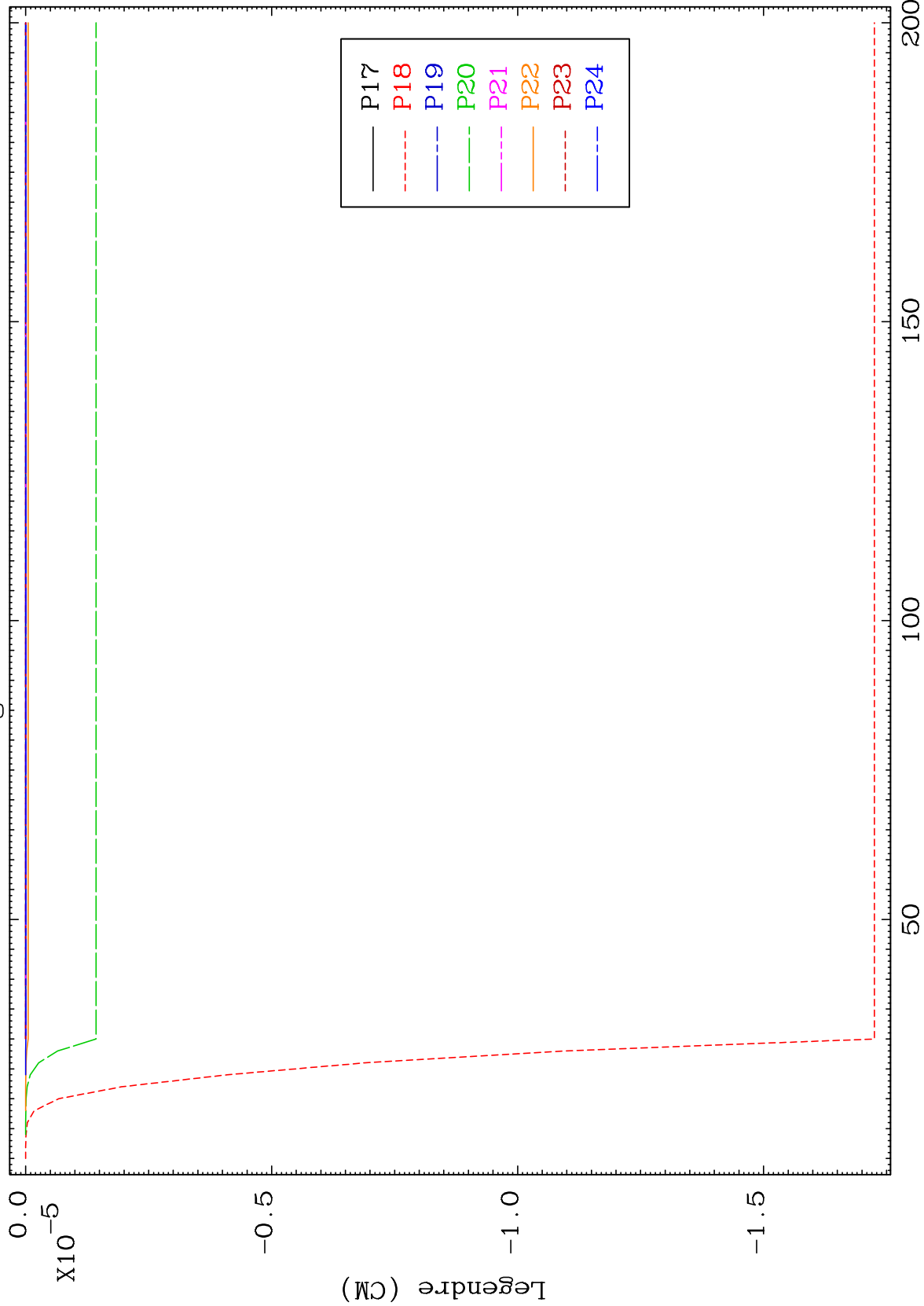
44

MAT 6428

MT= 58 (n,n') Level

64-Gd-153

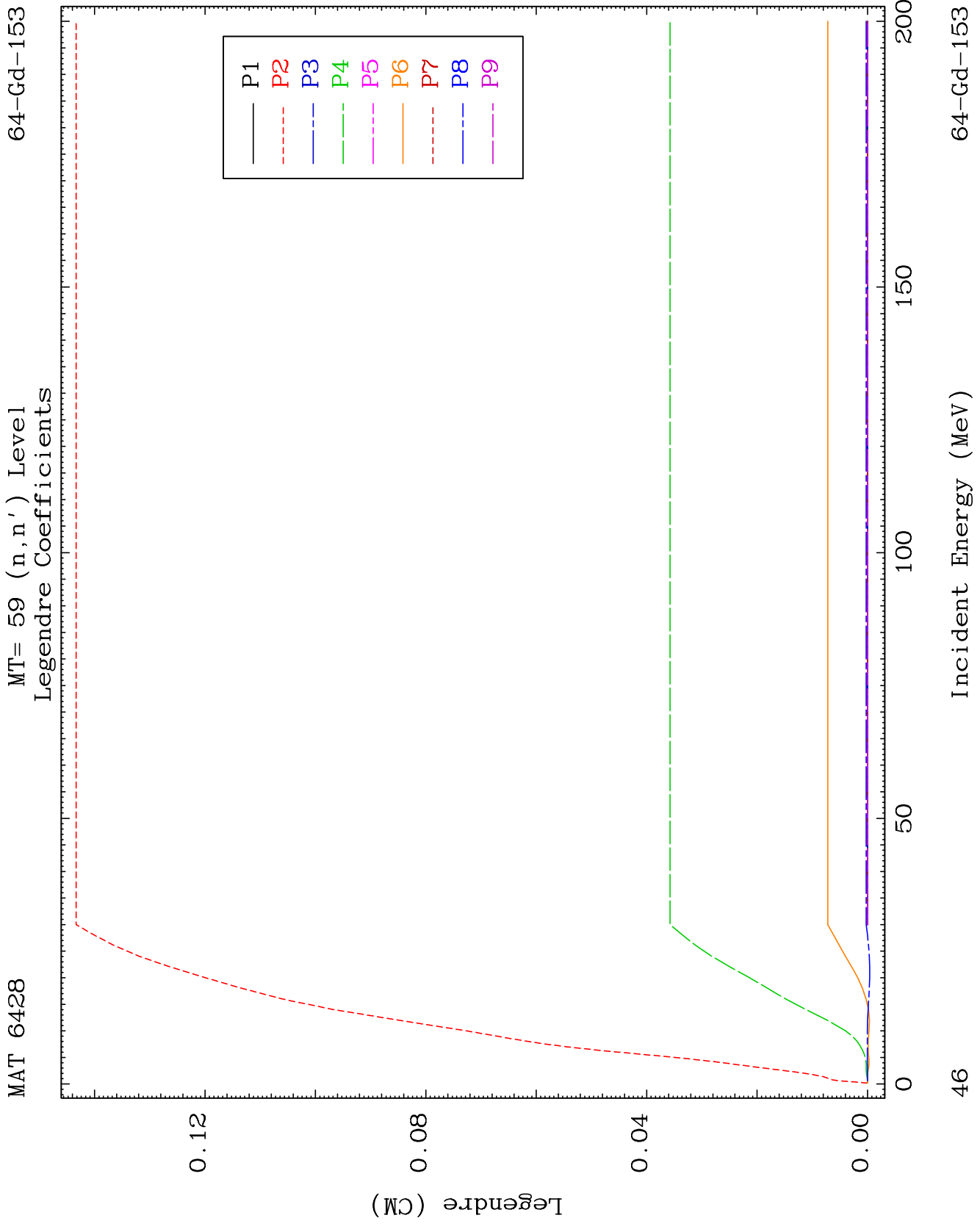
Legendre Coefficients



64-Gd-153

Incident Energy (MeV)

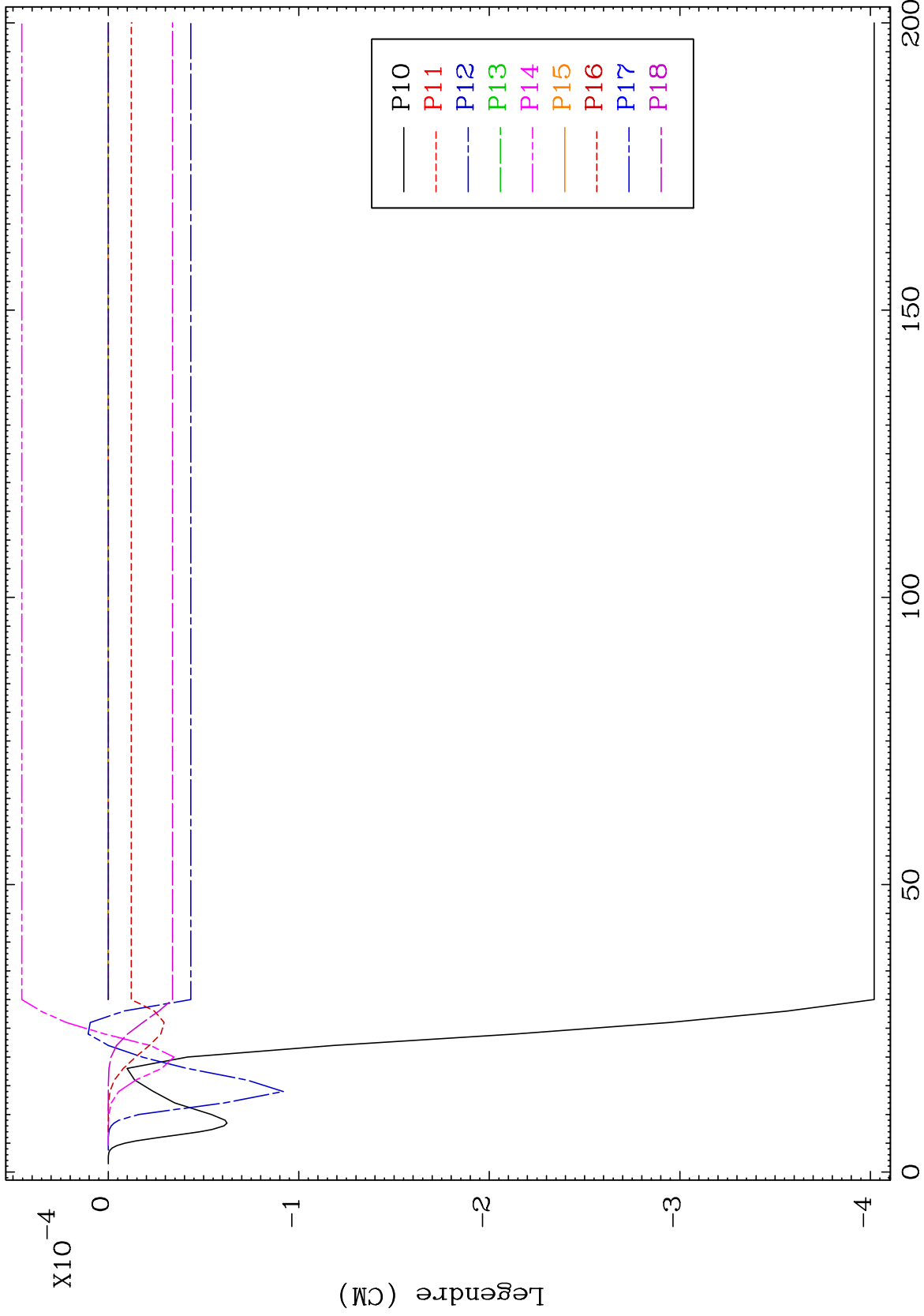
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MAT 6428

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

64-Gd-153



47

Incident Energy (MeV)

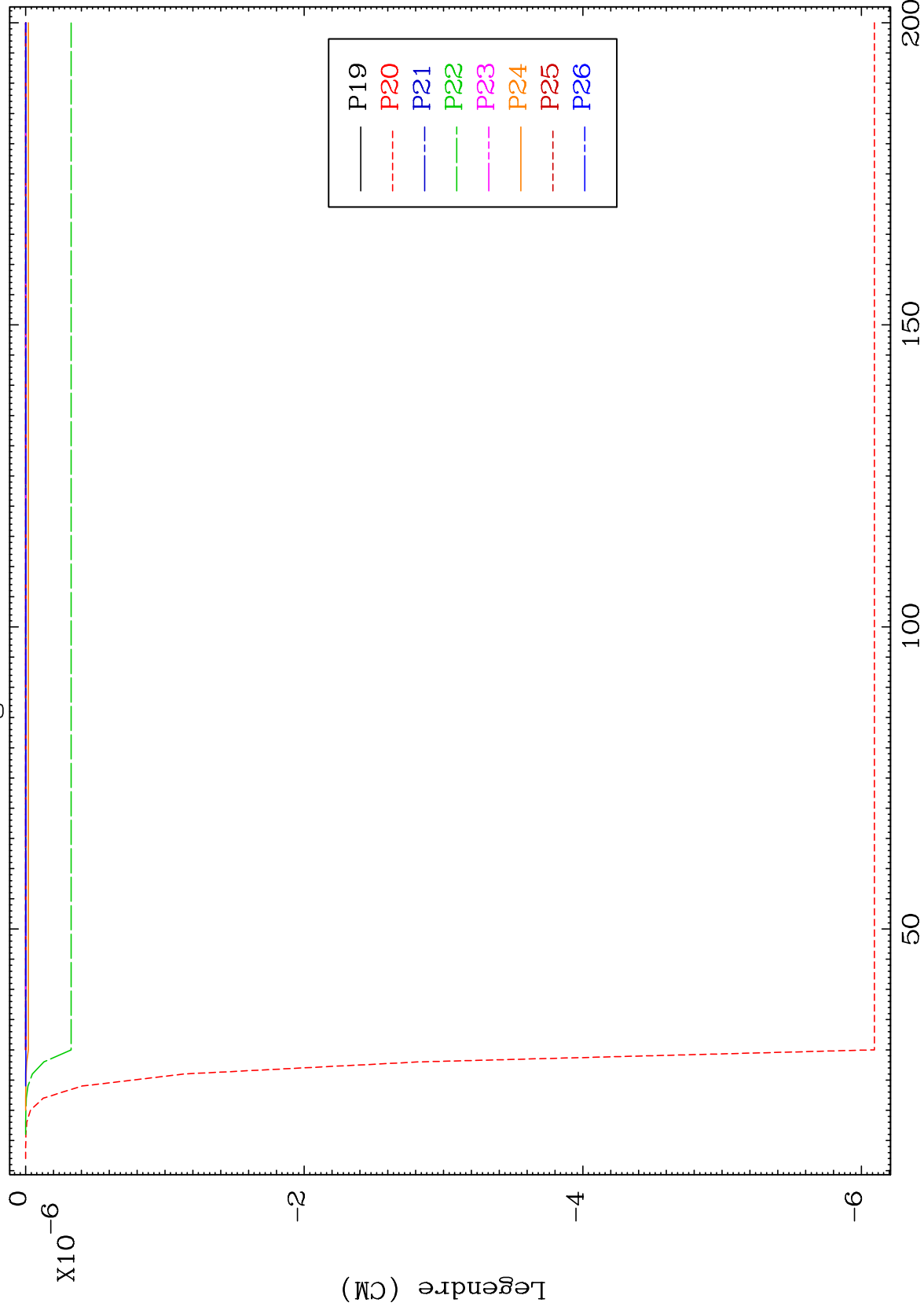
64-Gd-153



MAT 6428

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

64-Gd-153



48

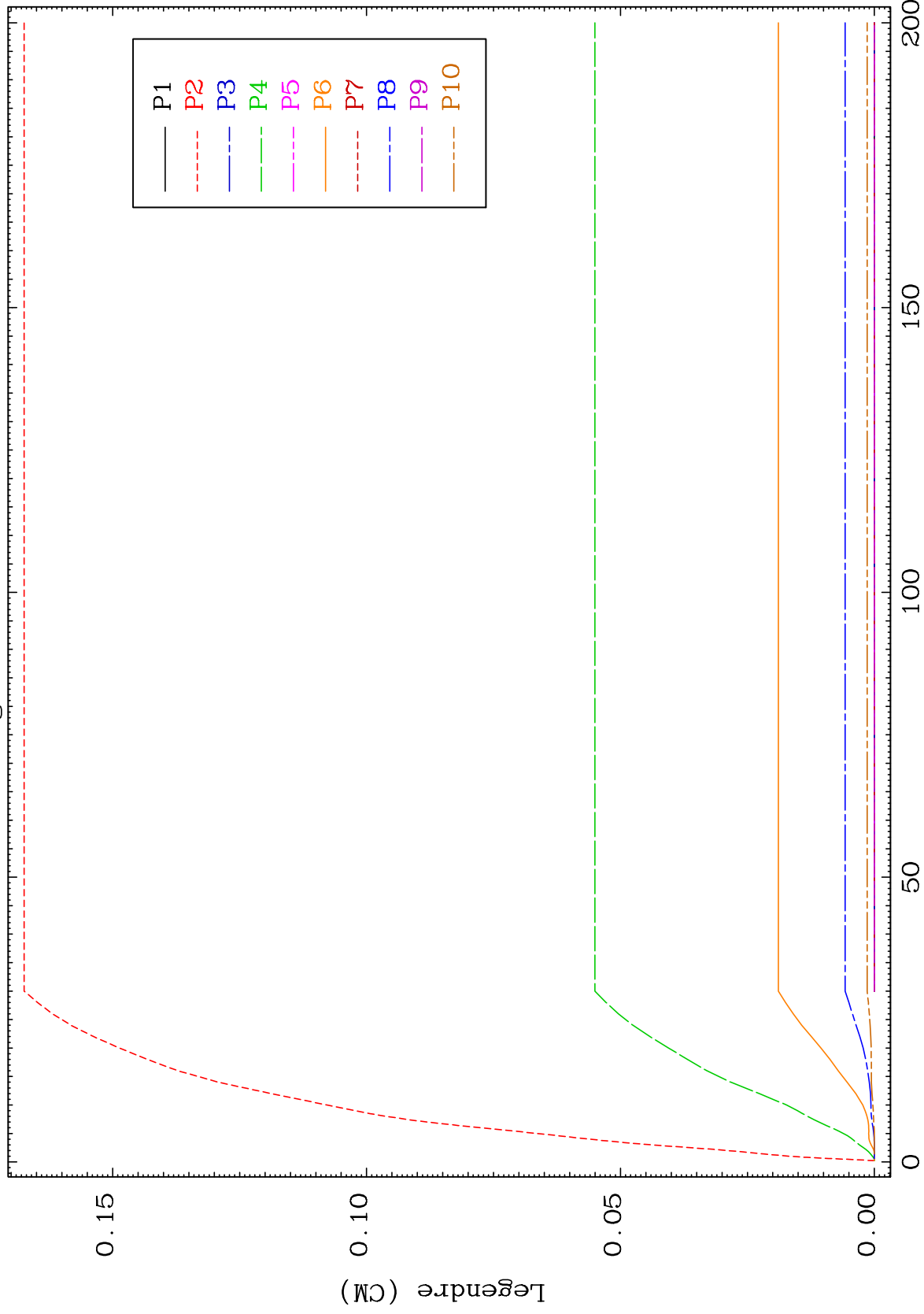
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

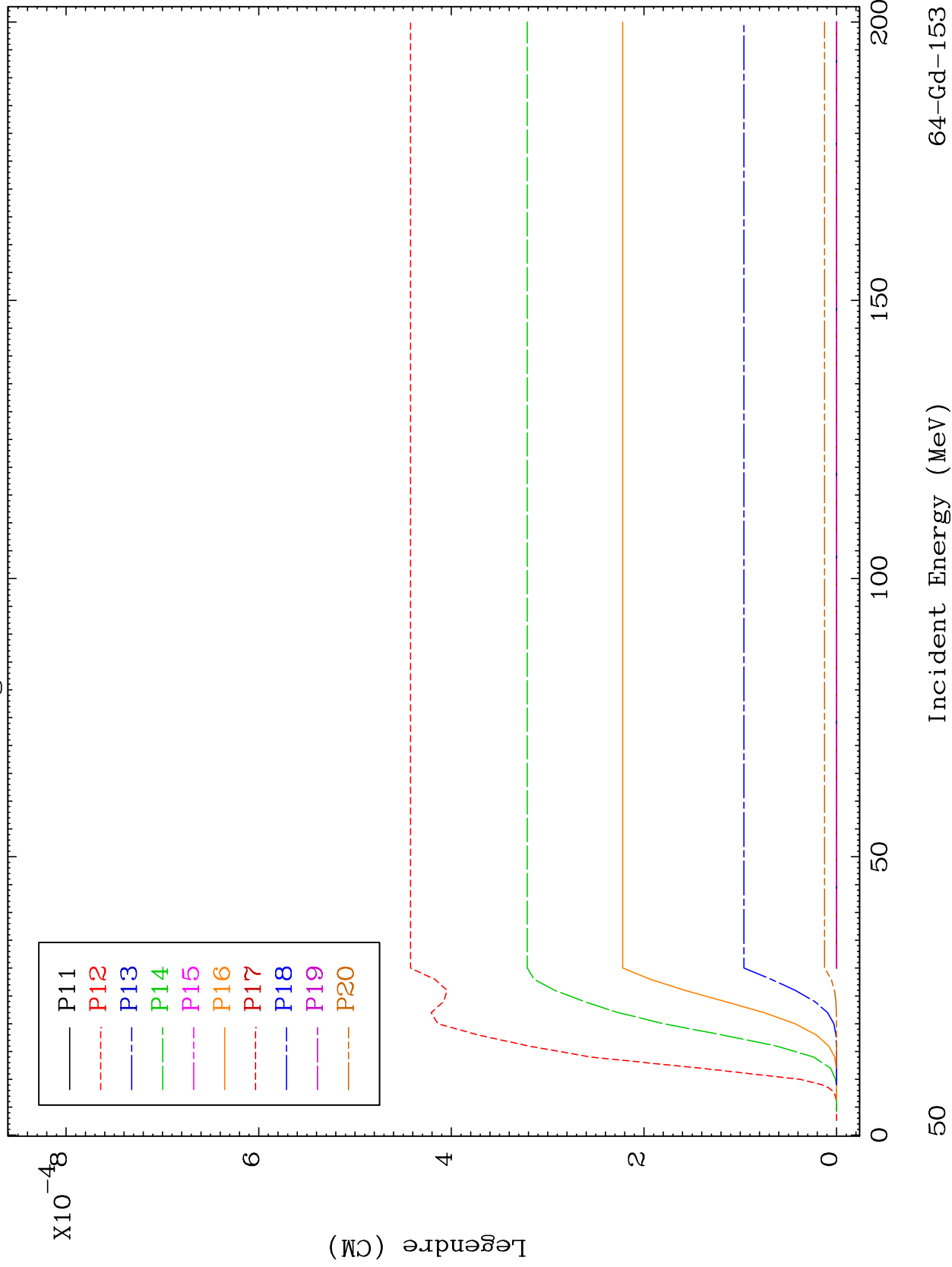
Incident Energy (MeV)

49

MAT 6428

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

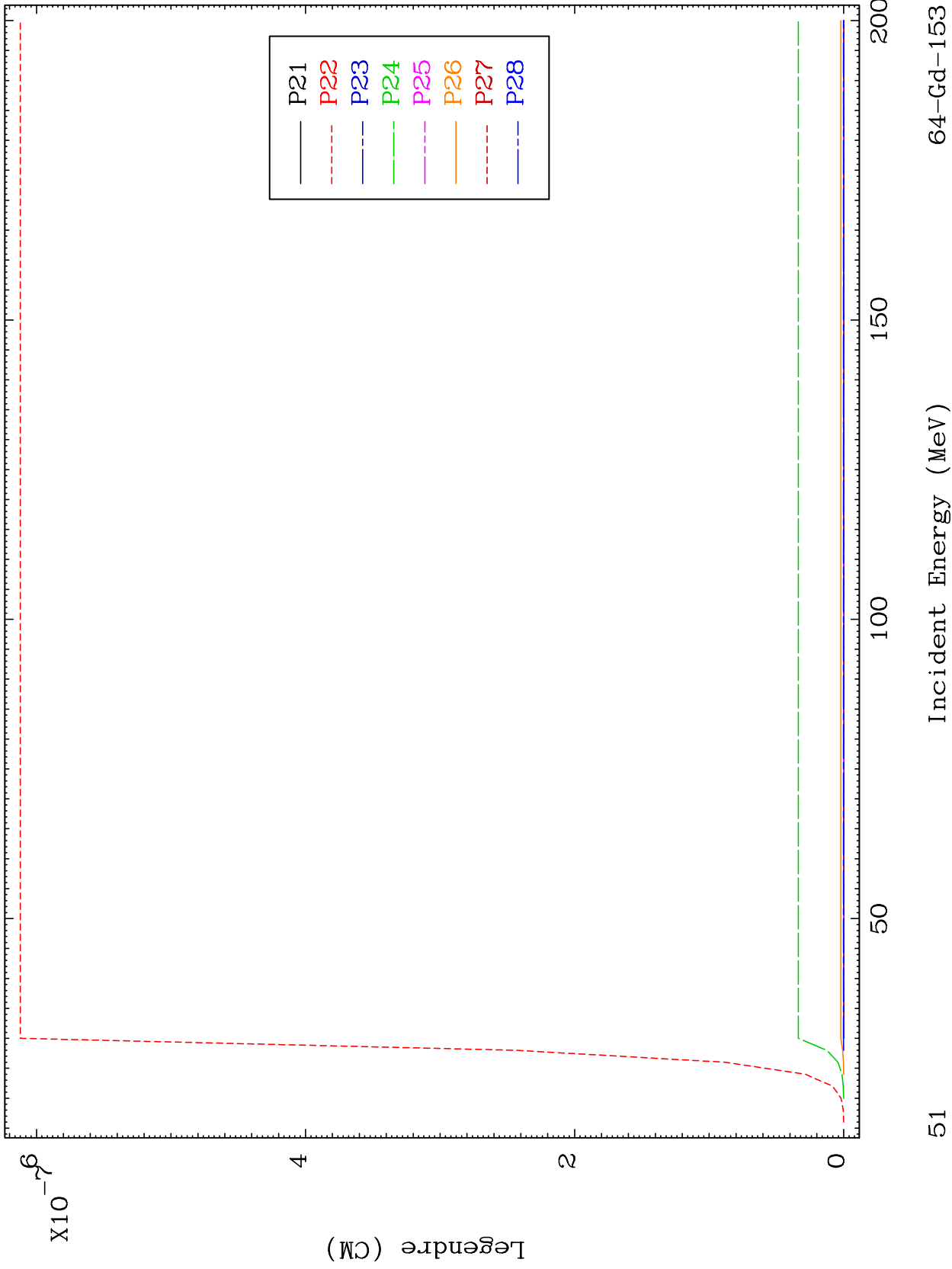
64-Gd-153



MAT 6428

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

64-Gd-153



51

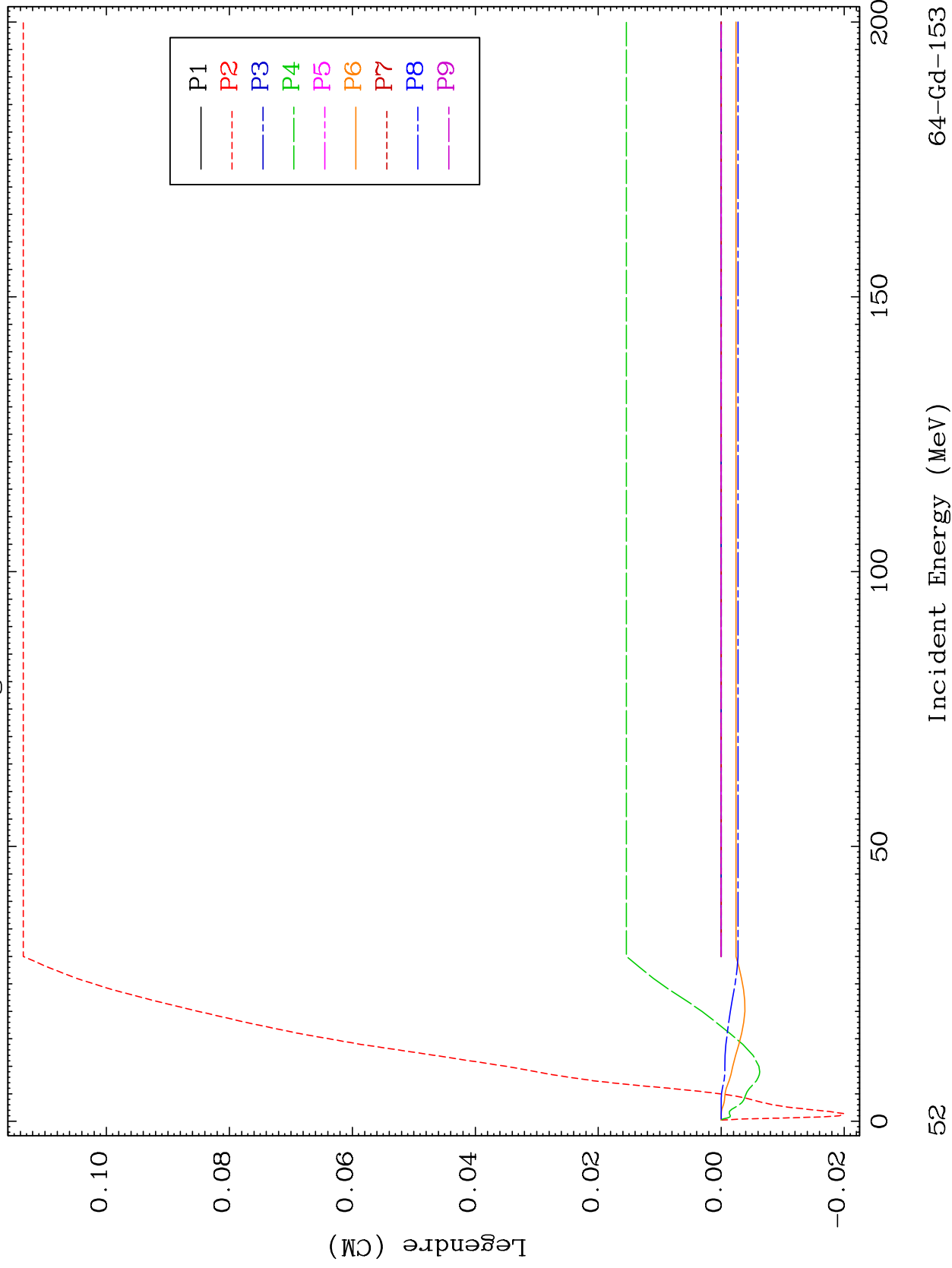
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

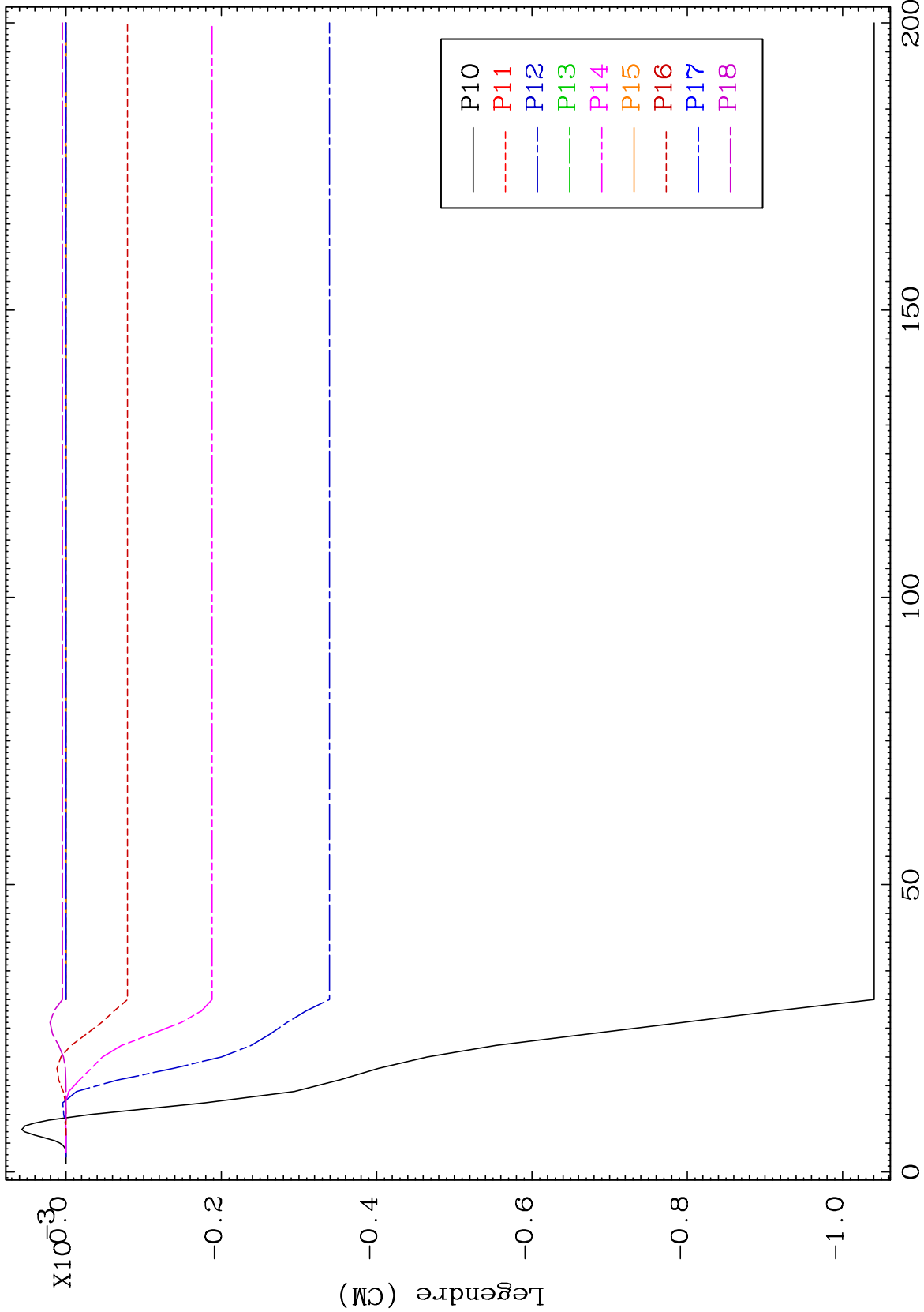
64-Gd-153



64-Gd-153

Incident Energy (MeV)

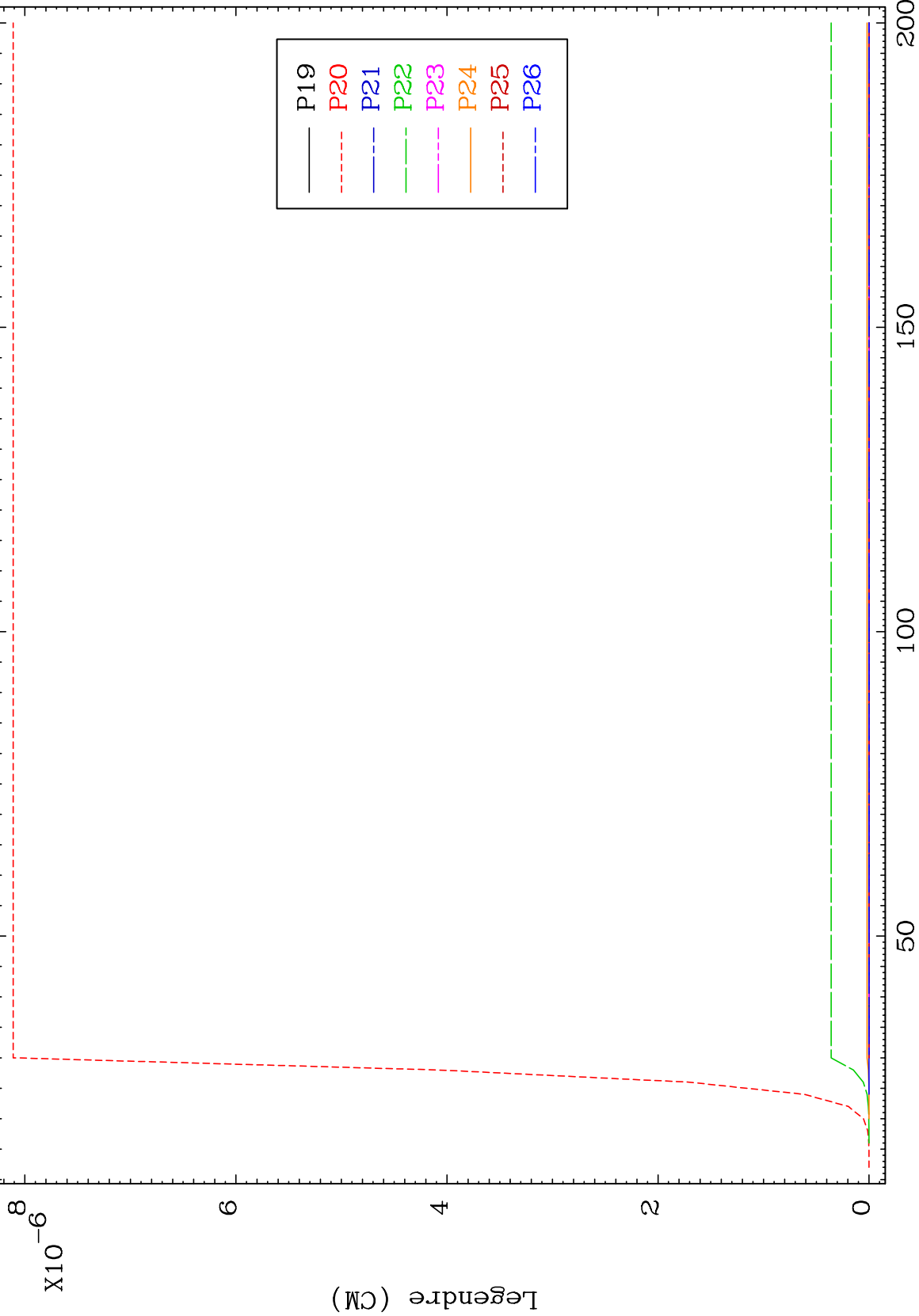
52



MAT 6428

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

64-Gd-153



64-Gd-153

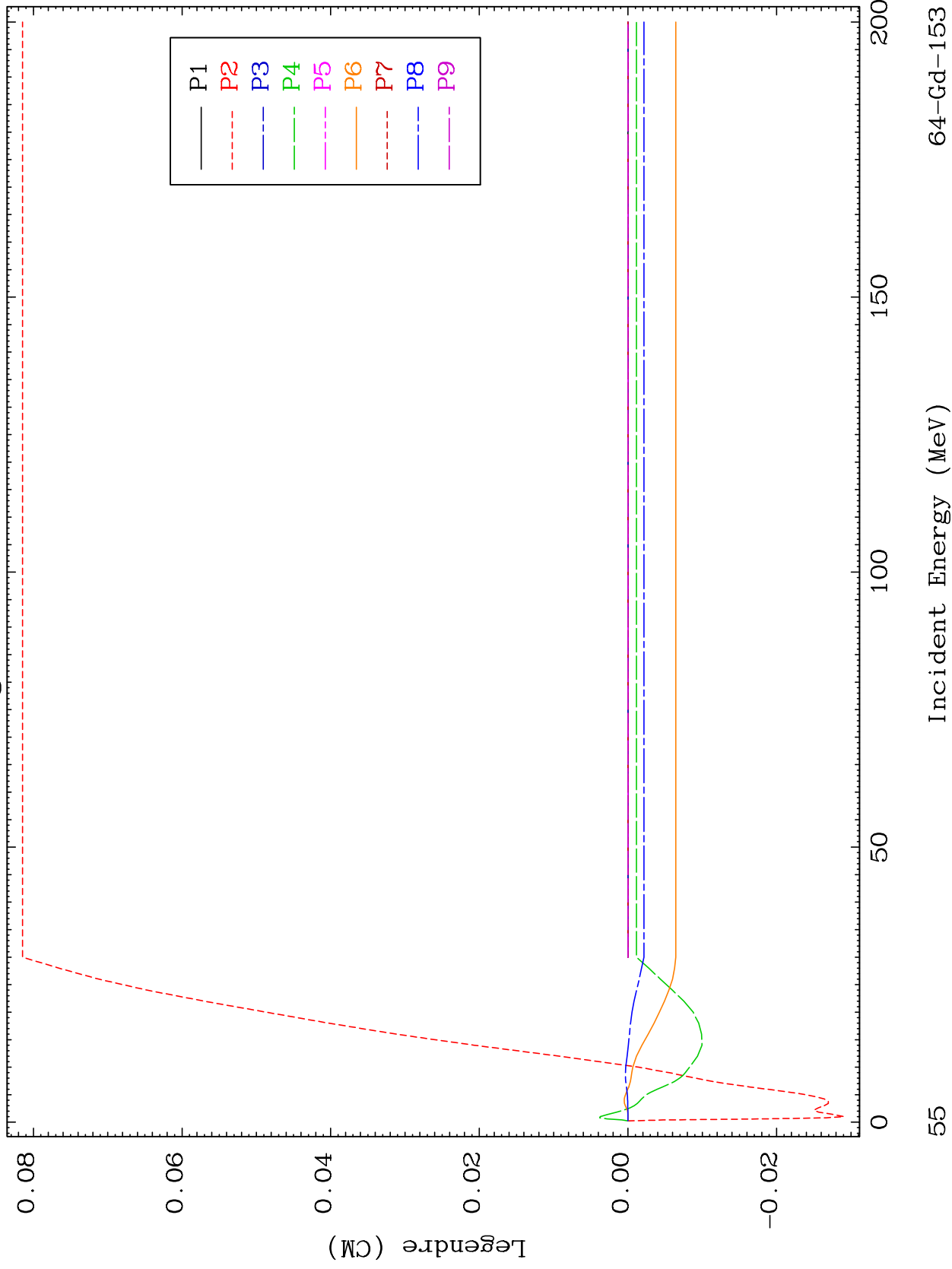
Incident Energy (MeV)

54

MAT 6428

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

64-Gd-153



64-Gd-153

Incident Energy (MeV)

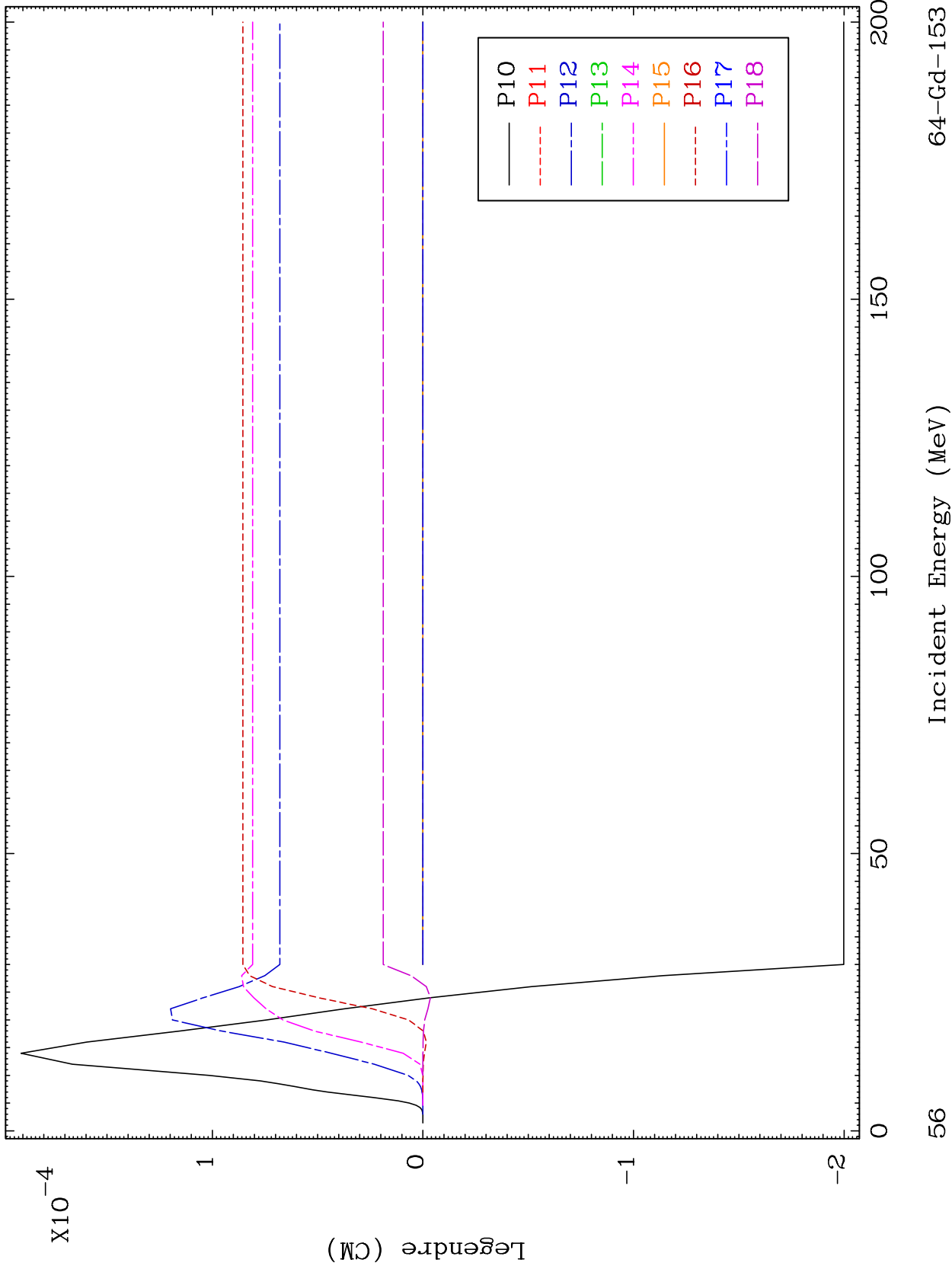
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MAT 6428

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

64-Gd-153



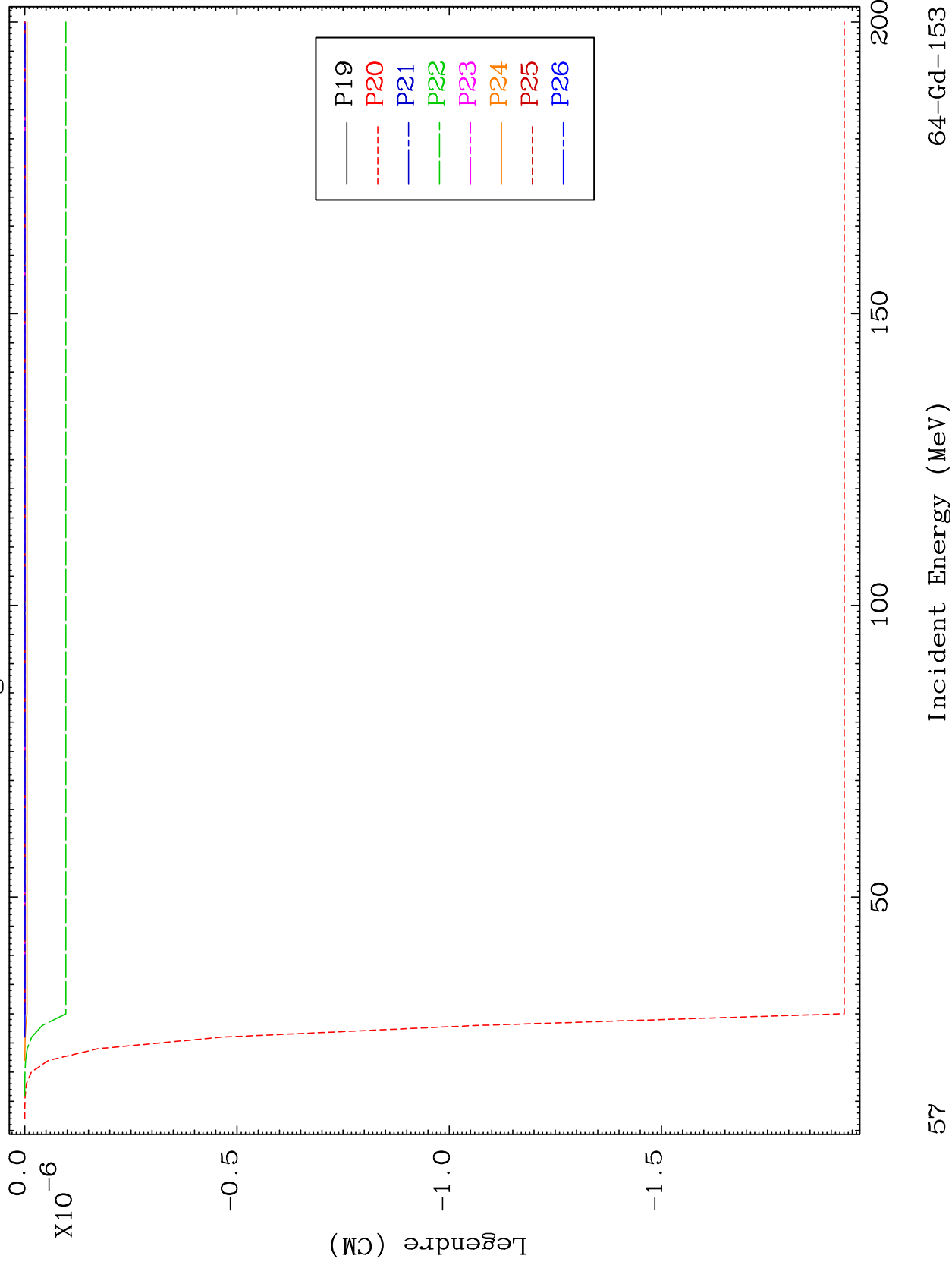
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64-Gd-153

MAT 6428

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

64-Gd-153



57

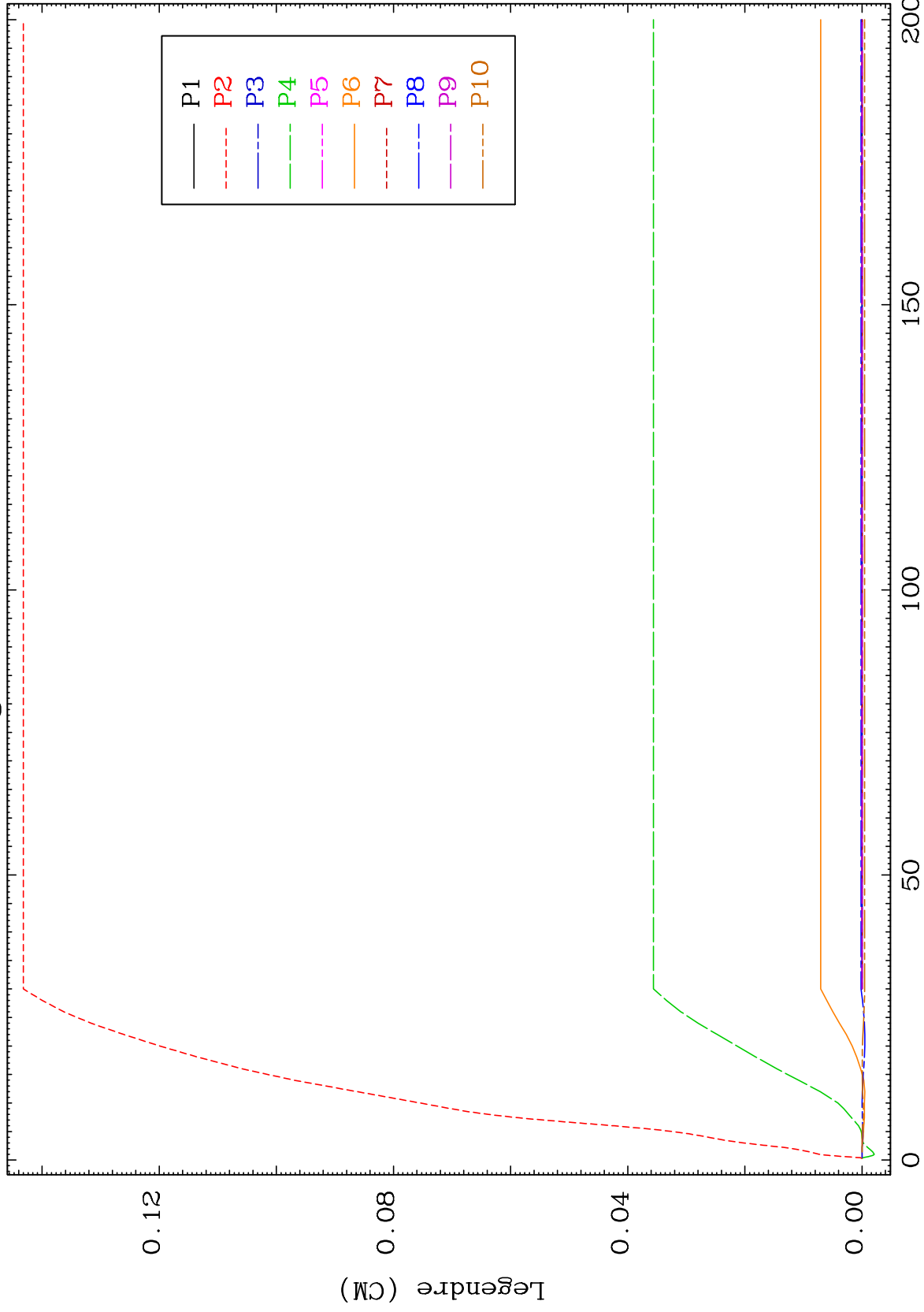
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

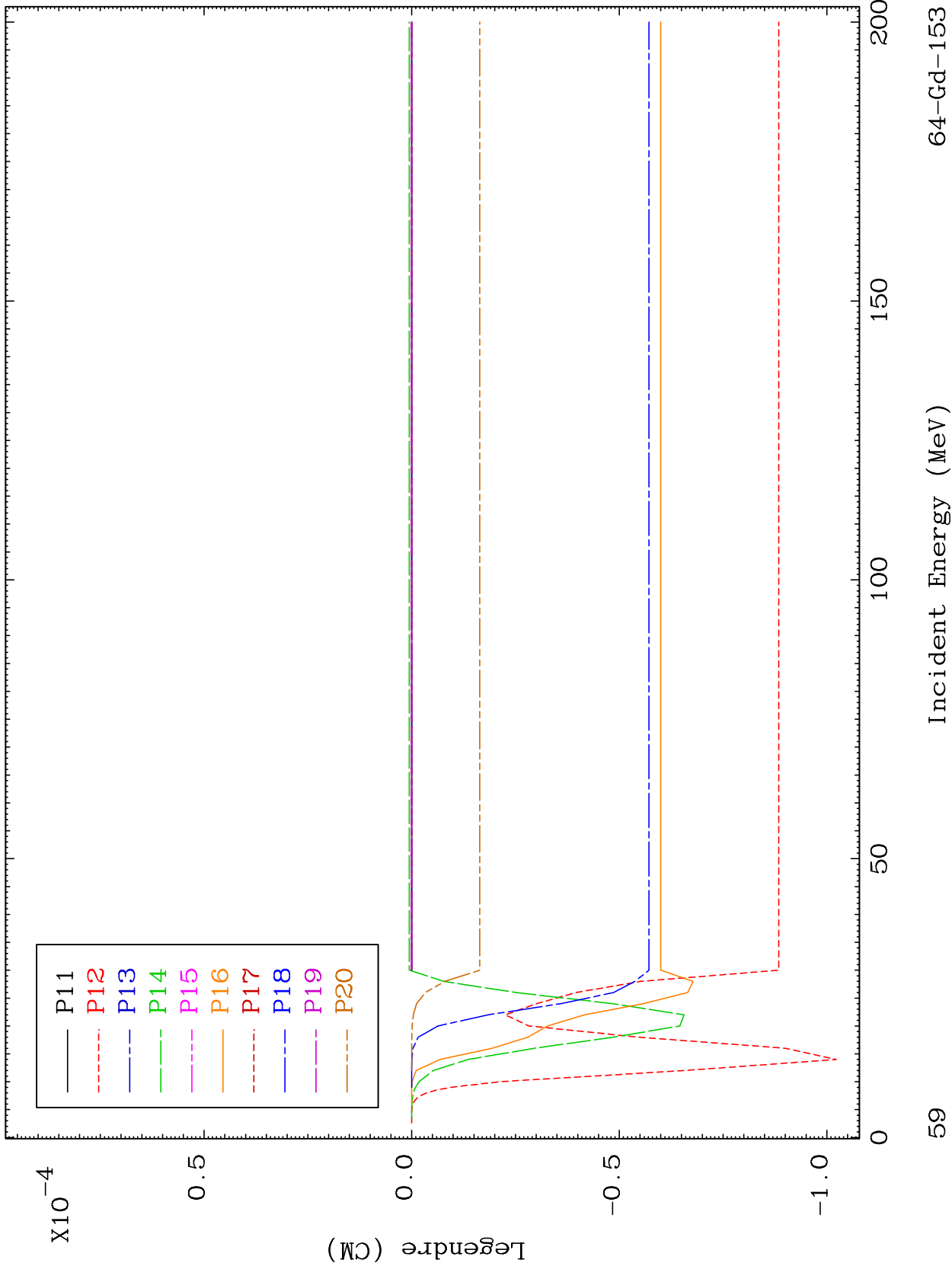
64-Gd-153



64-Gd-153

Incident Energy (MeV)

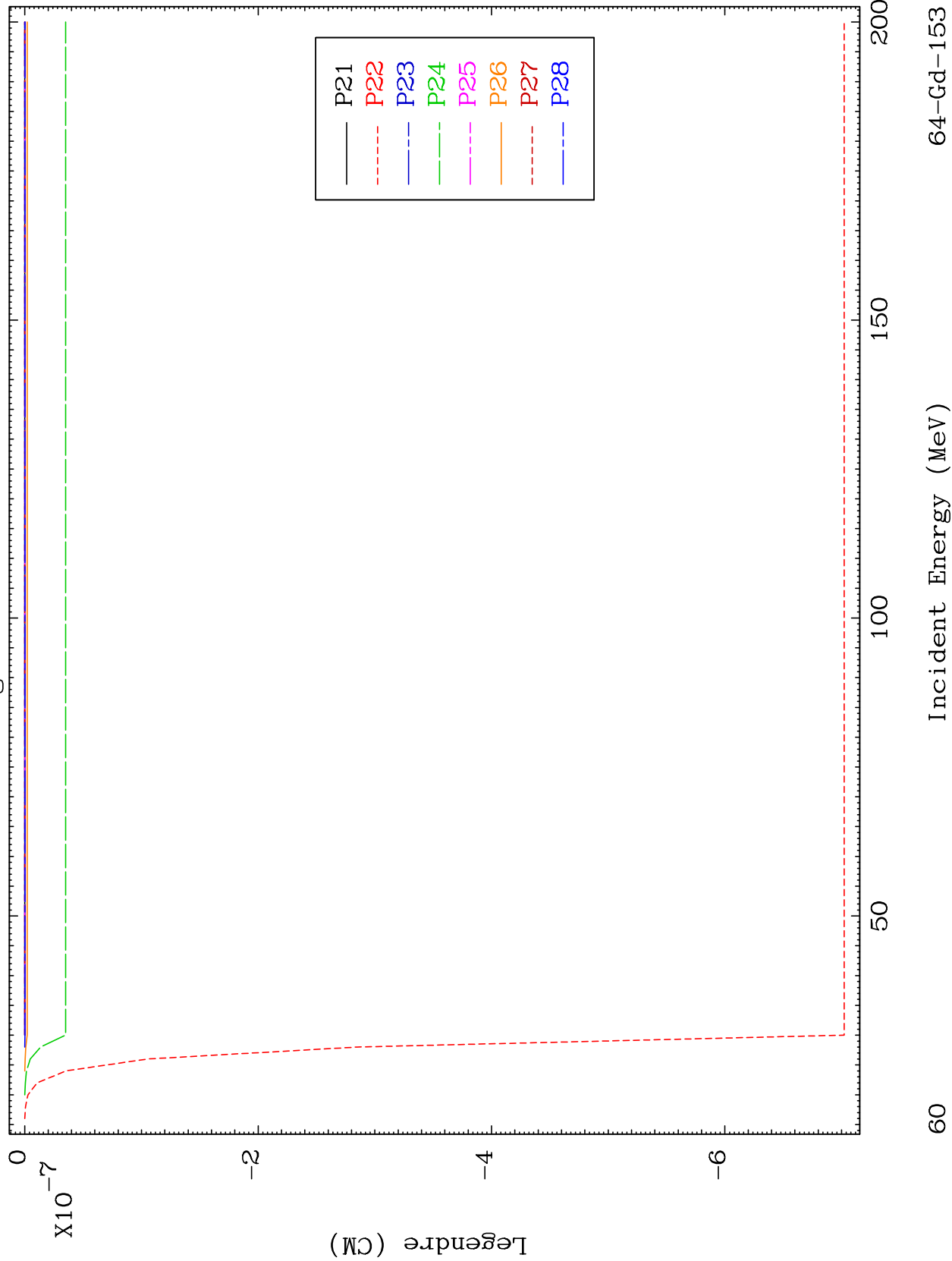
58



MAT 6428

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

64-Gd-153



64-Gd-153

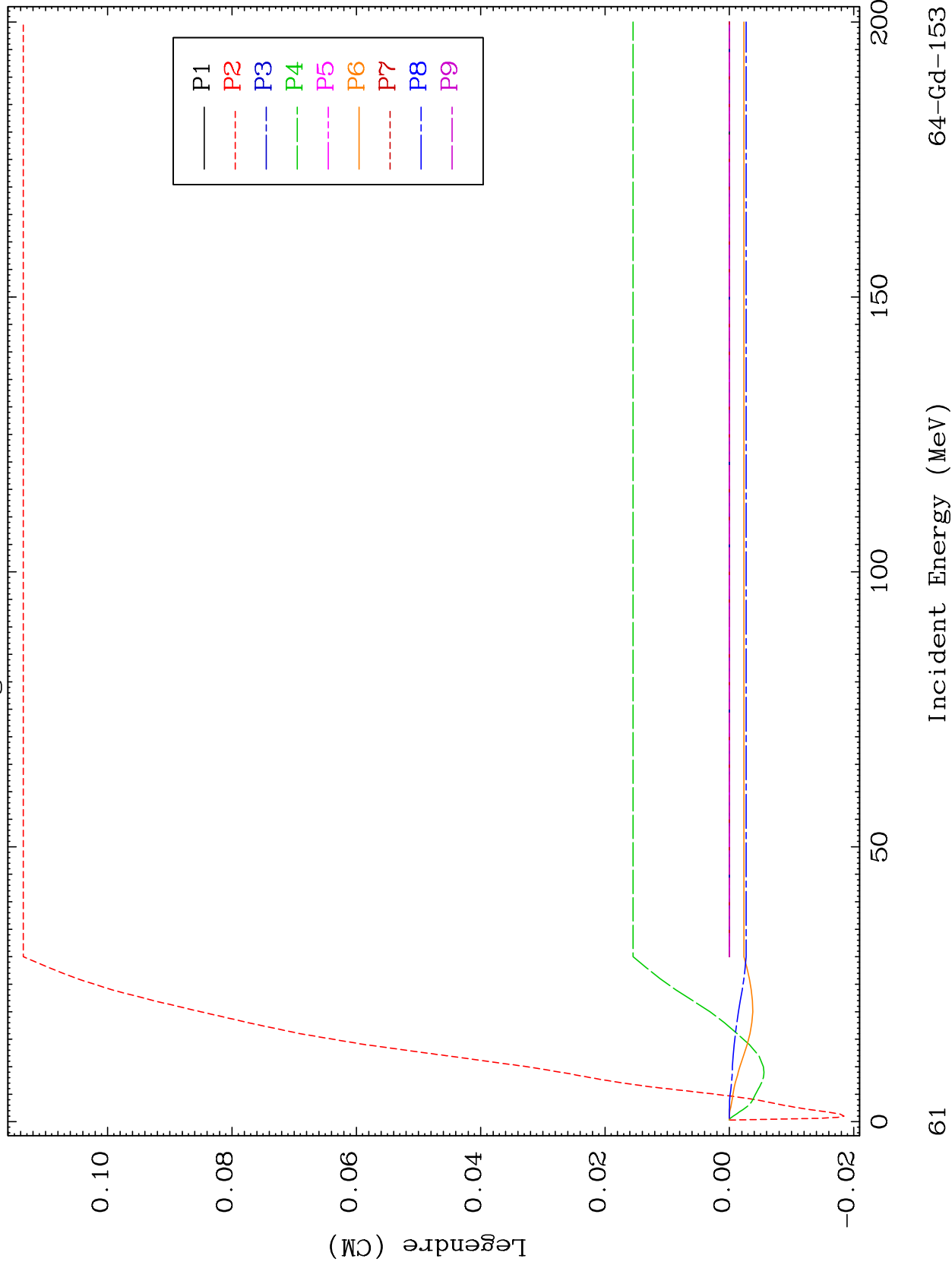
Incident Energy (MeV)

60

MAT 6428

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

64-Gd-153



64-Gd-153

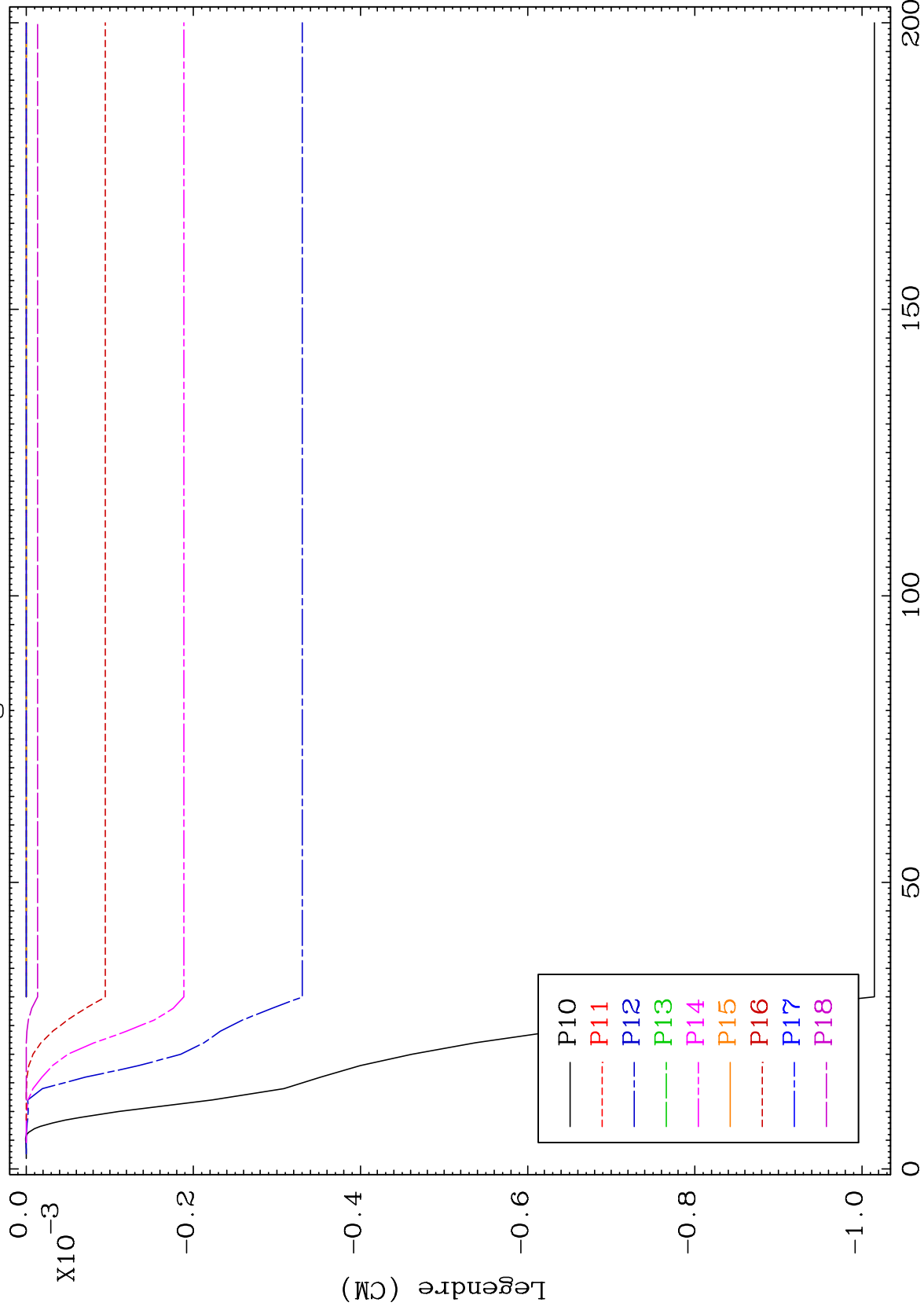
Incident Energy (MeV)

61

MAT 6428

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

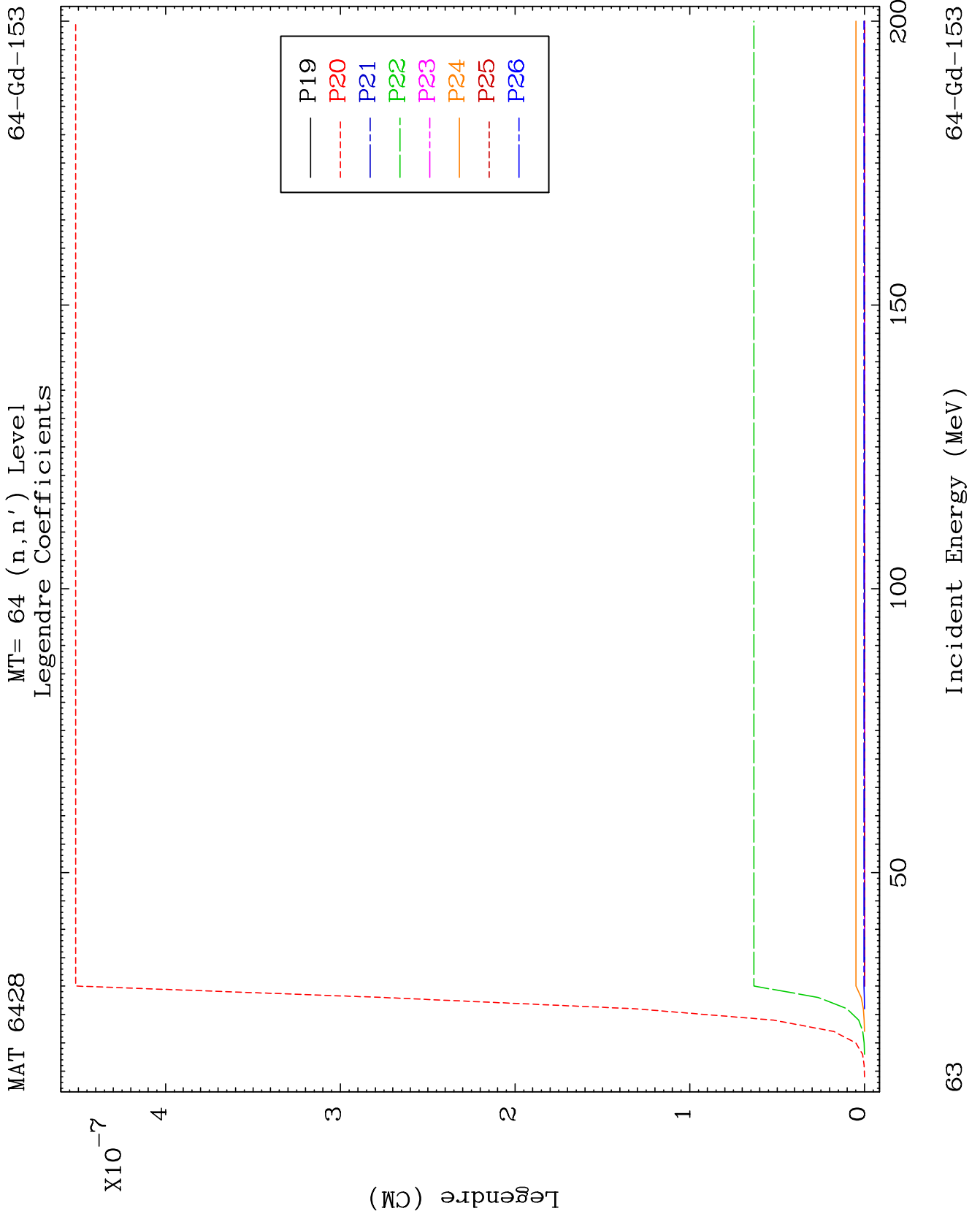
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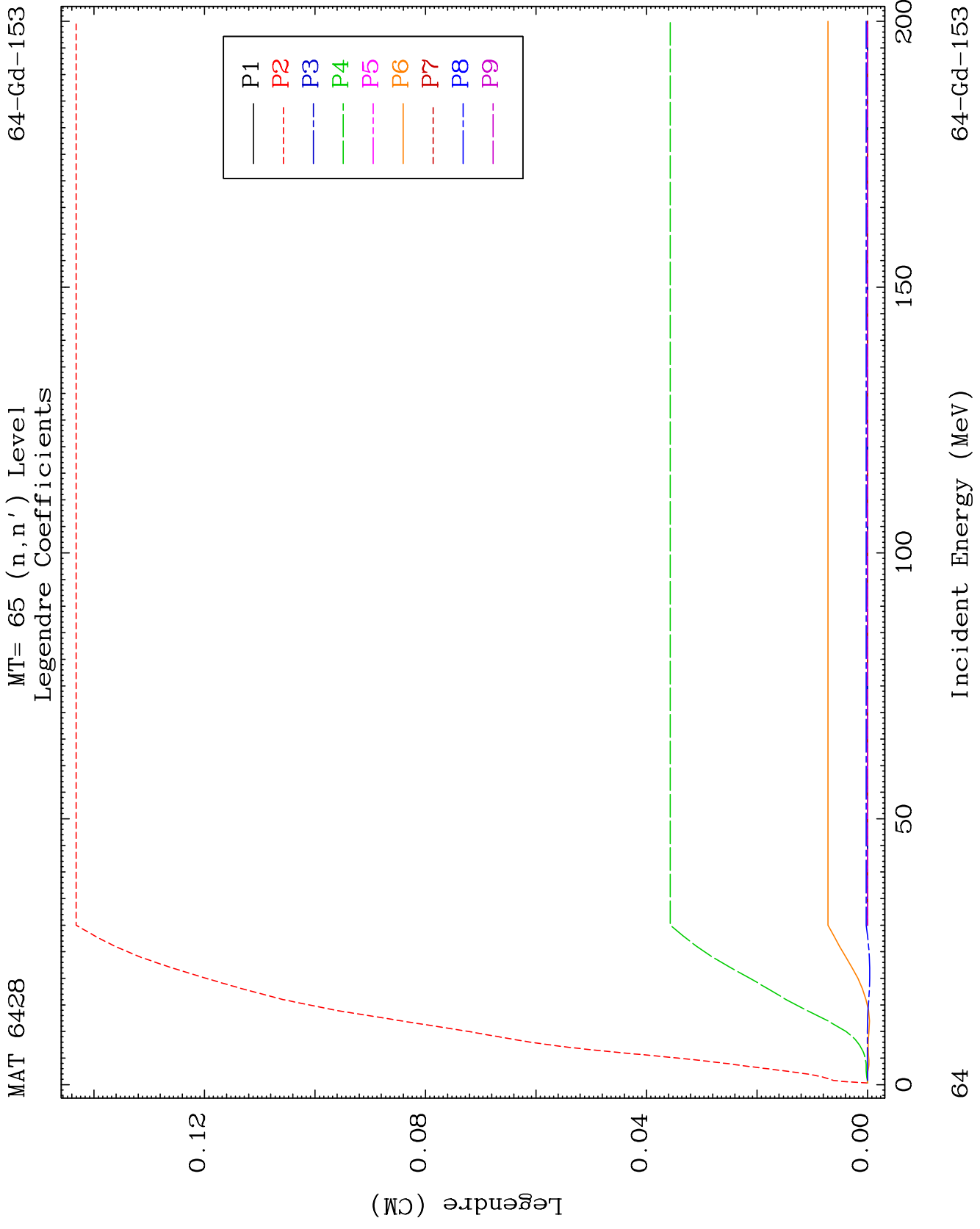
62

64-Gd-153

64-Gd-153



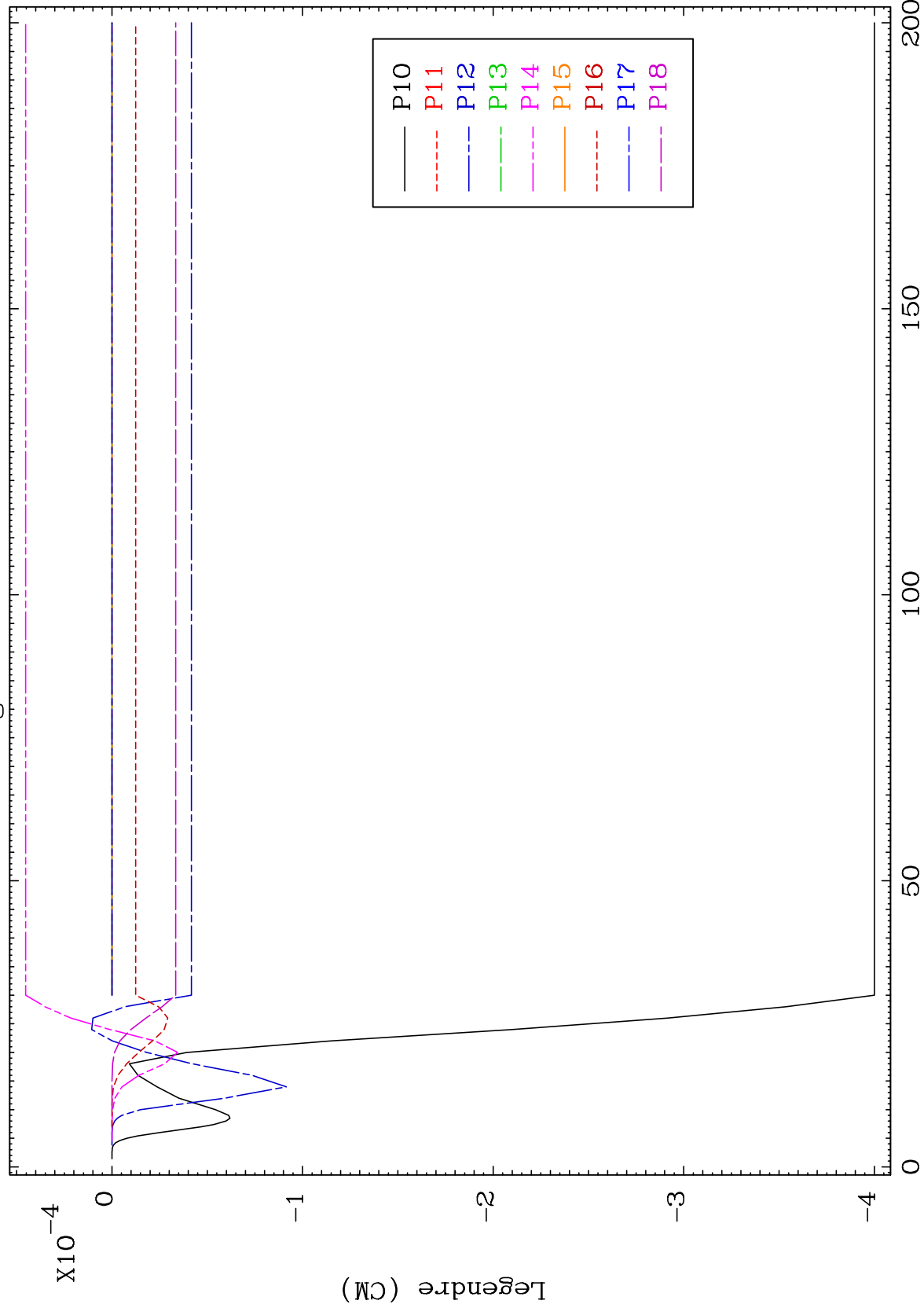




MAT 6428

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

64-Gd-153



65

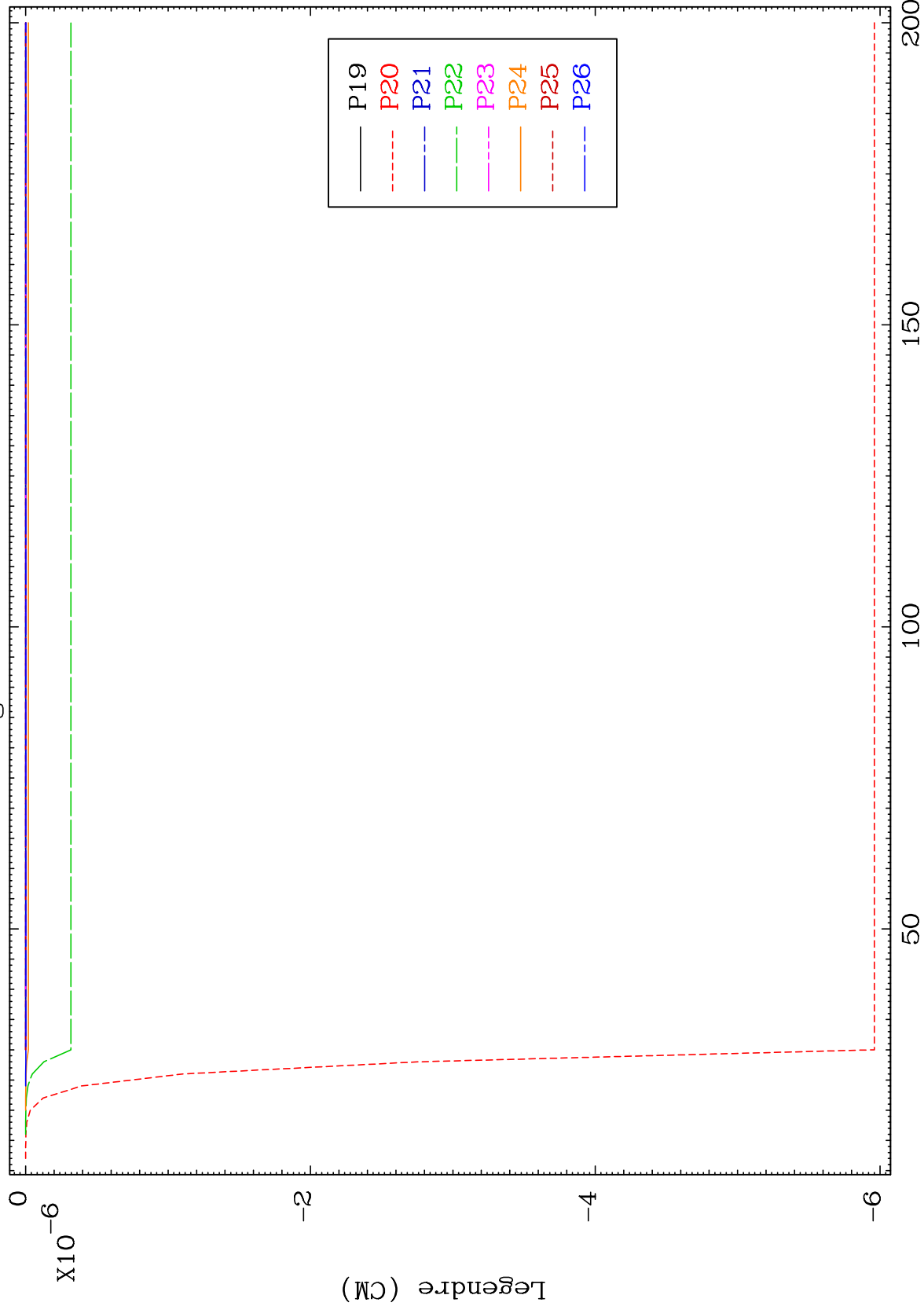
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



66

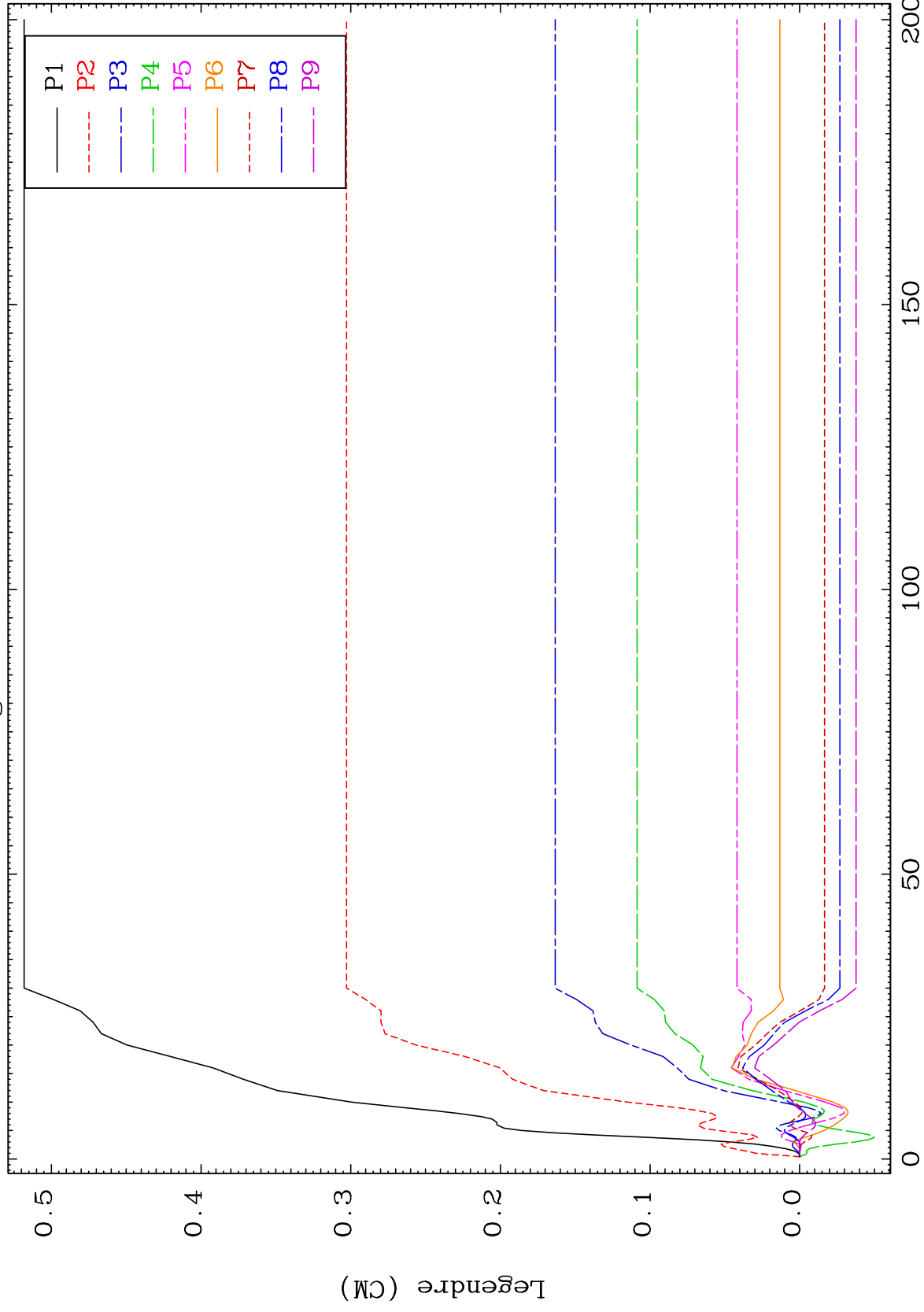
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



67

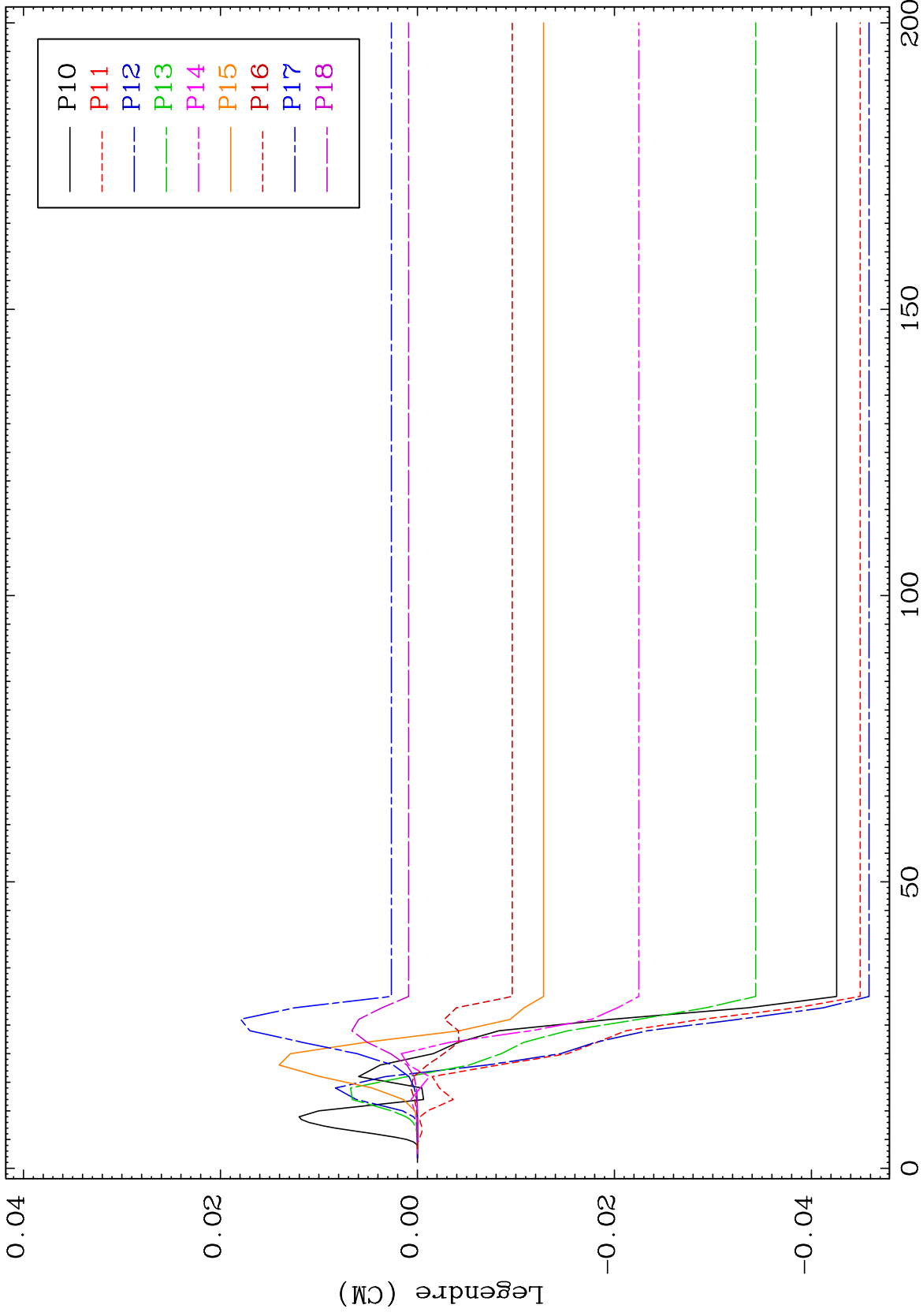
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



68

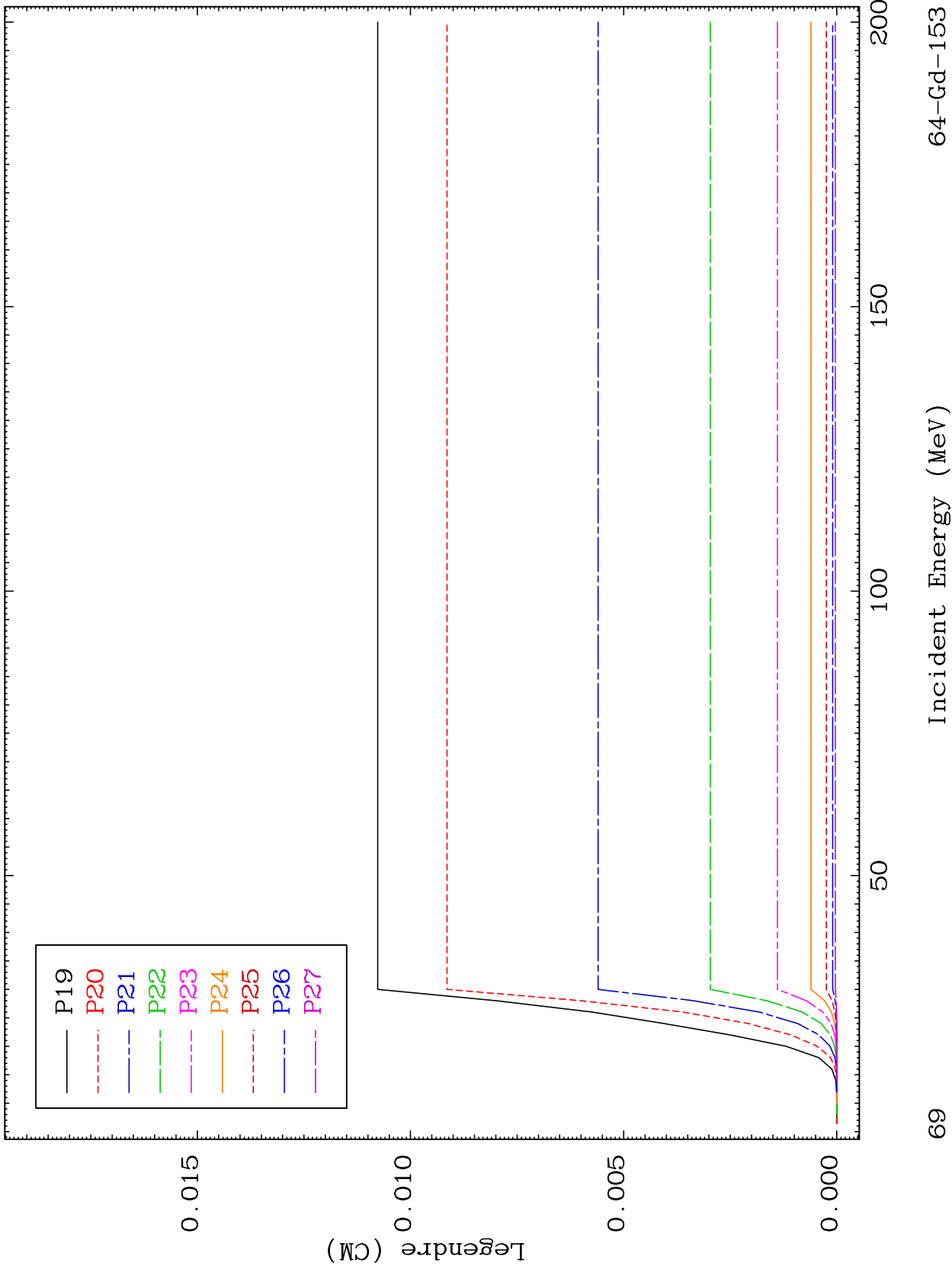
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



69

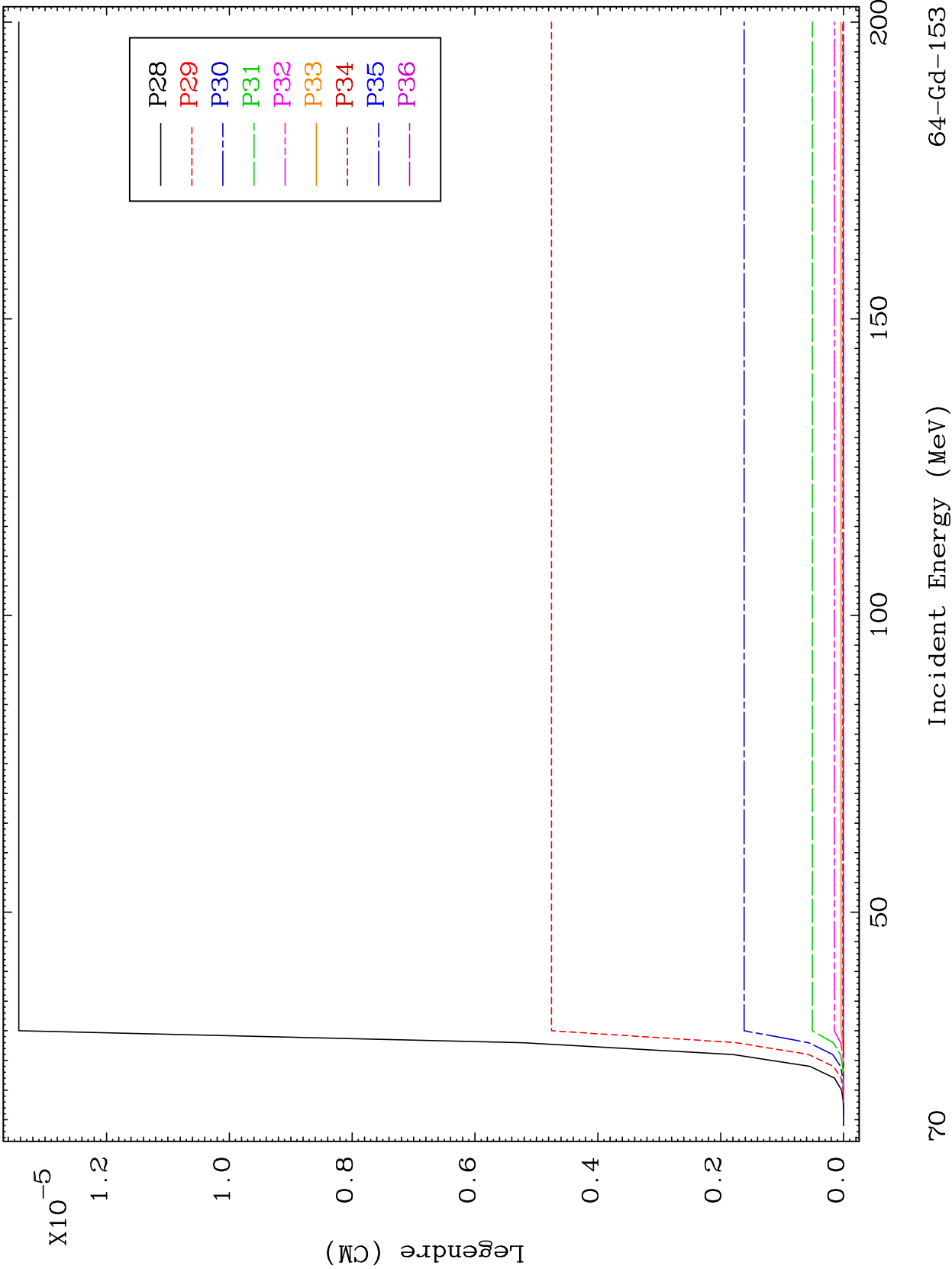
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



70

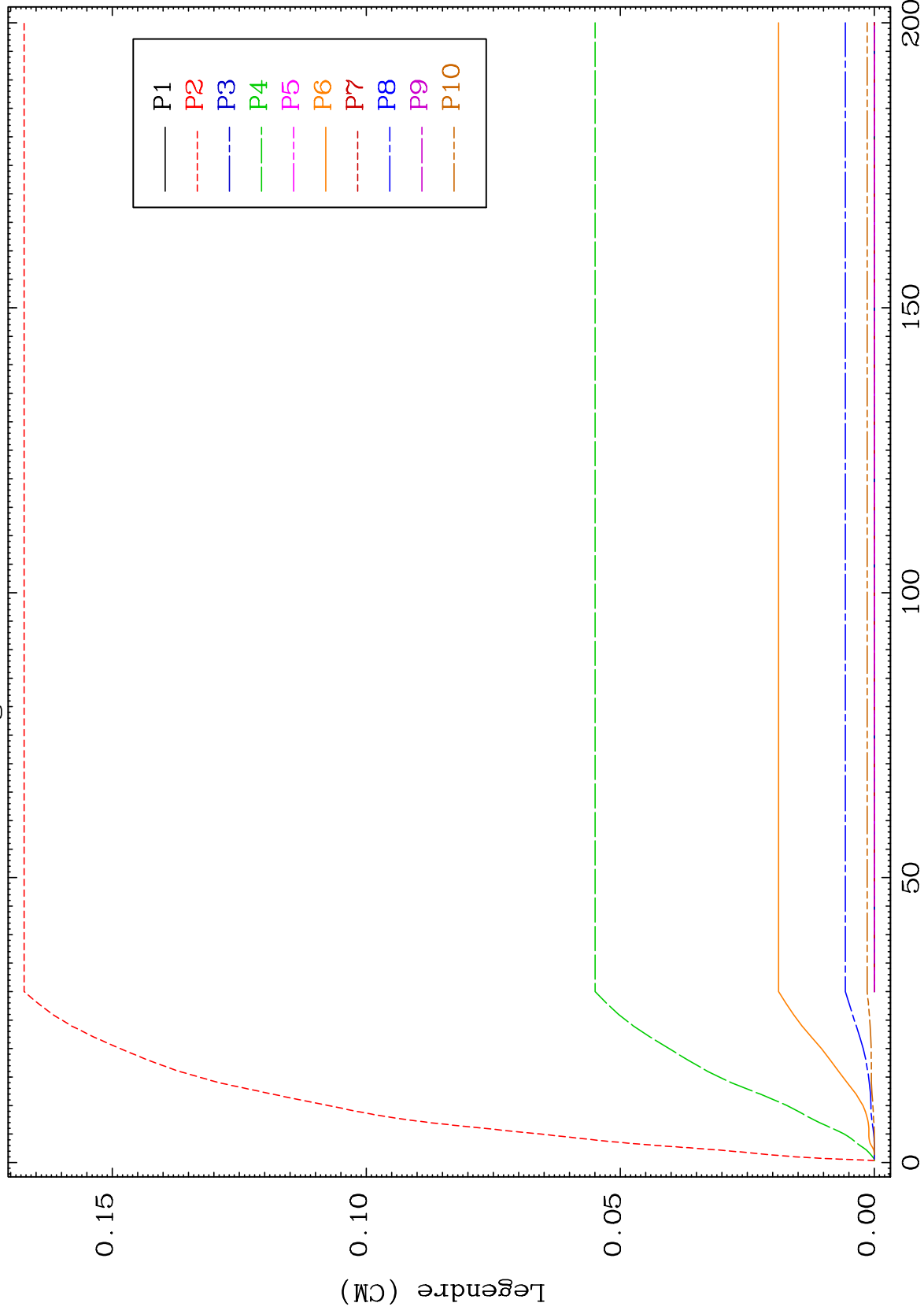
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



71

Incident Energy (MeV)

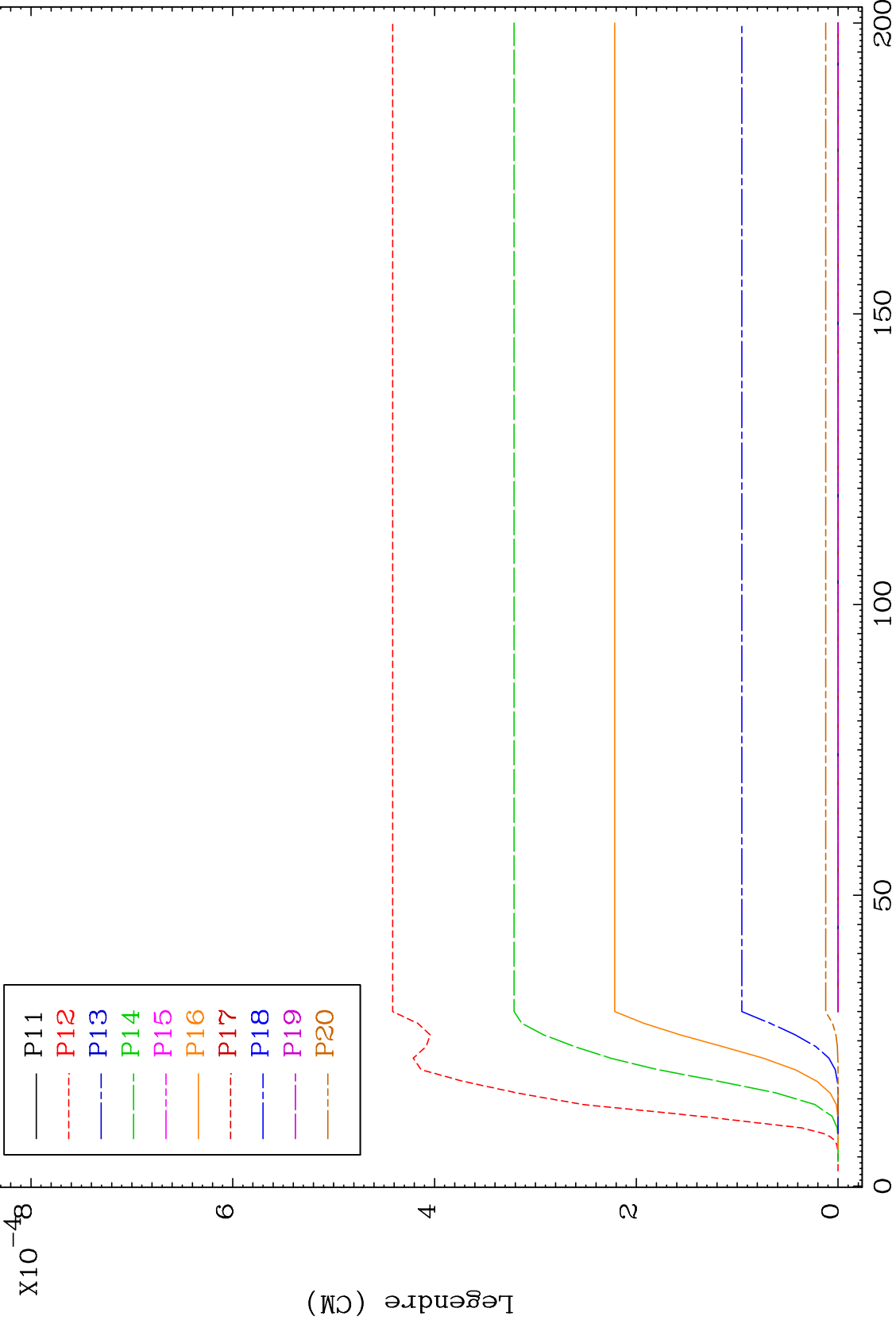
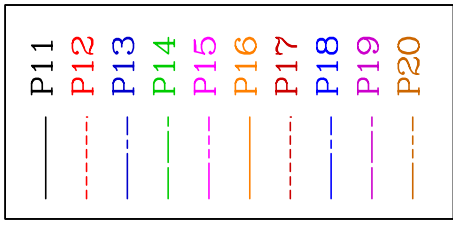
64-Gd-153



MAT 6428

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

64-Gd-153



72

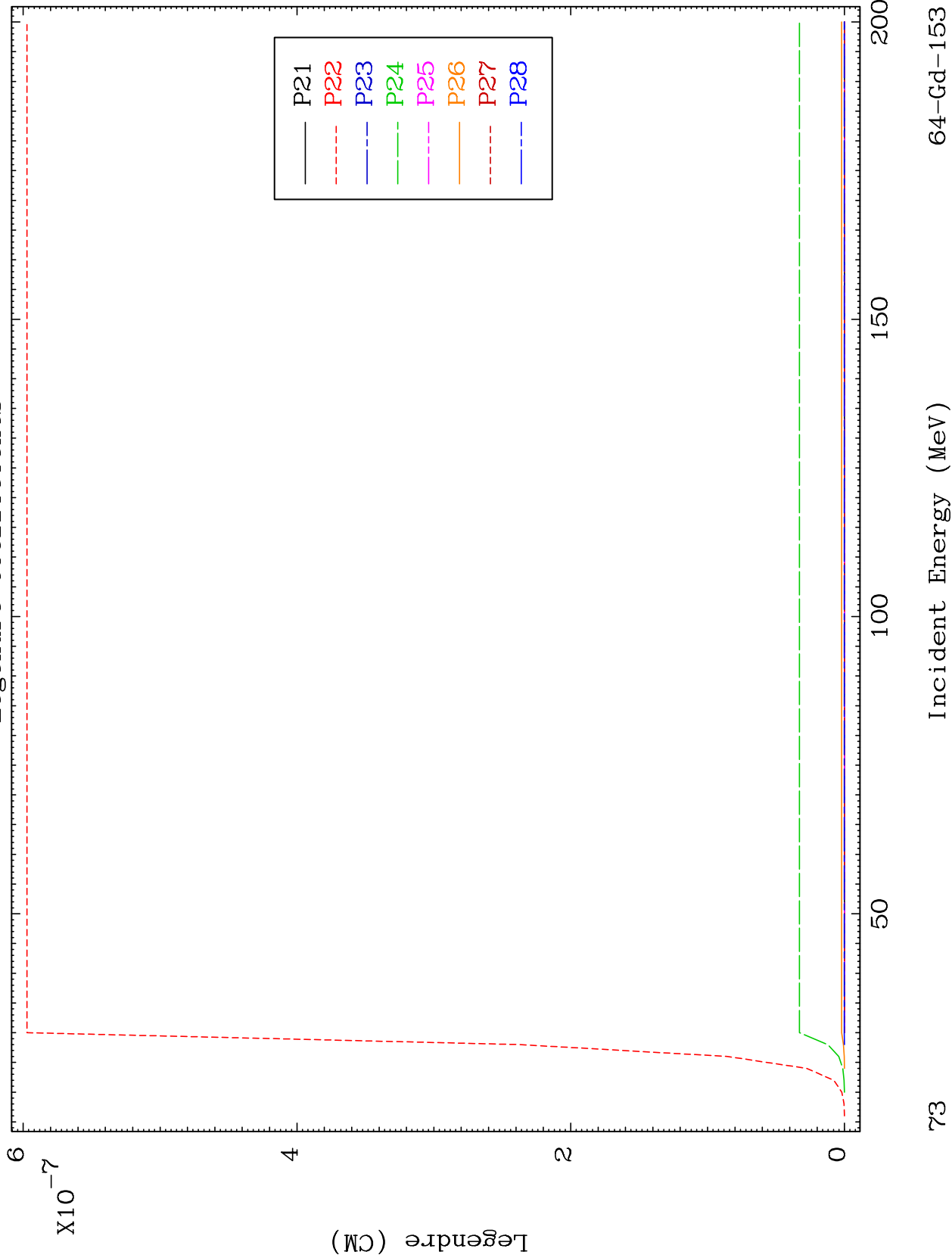
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

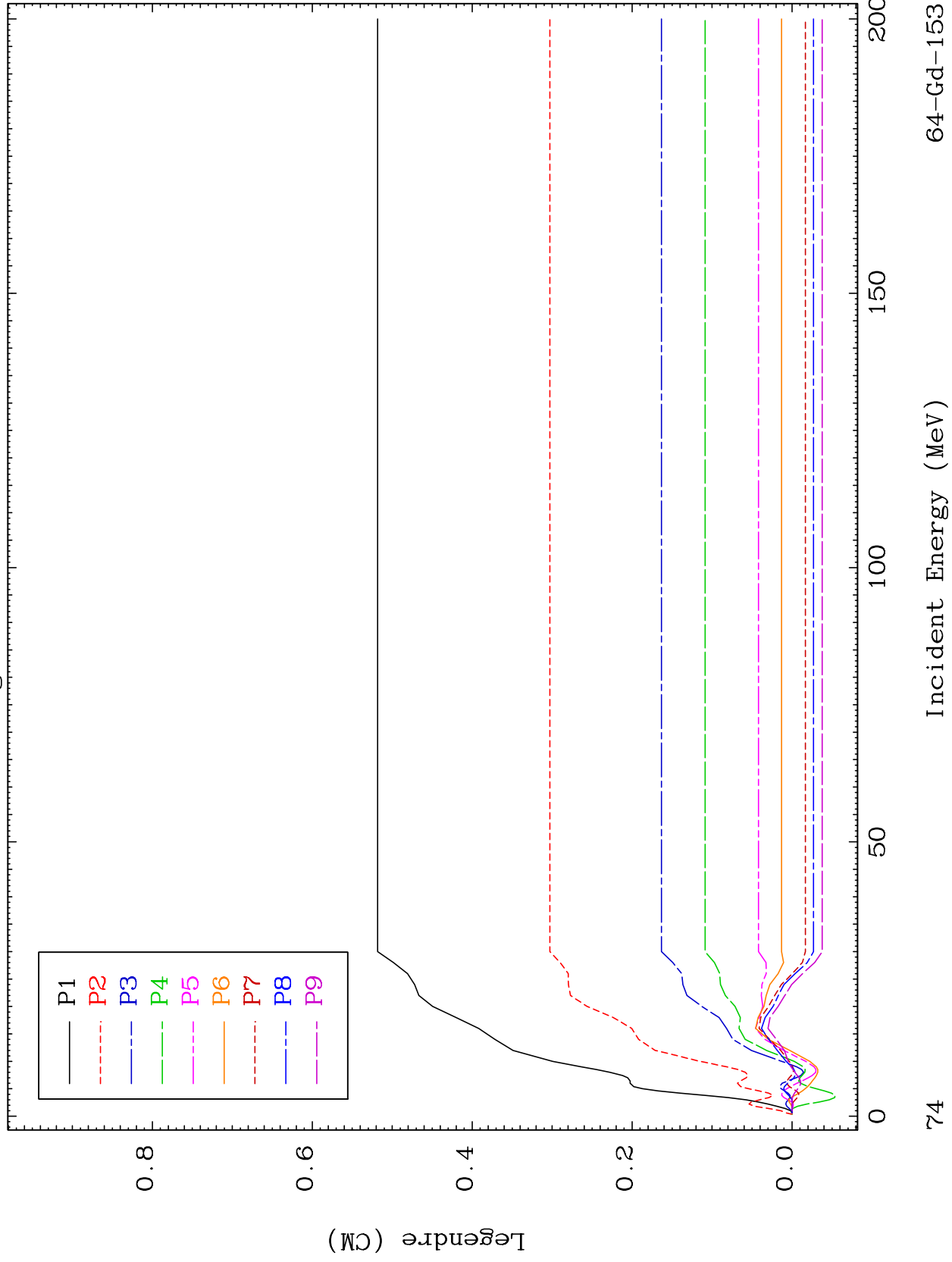
64-Gd-153



MAT 6428

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

64-Gd-153



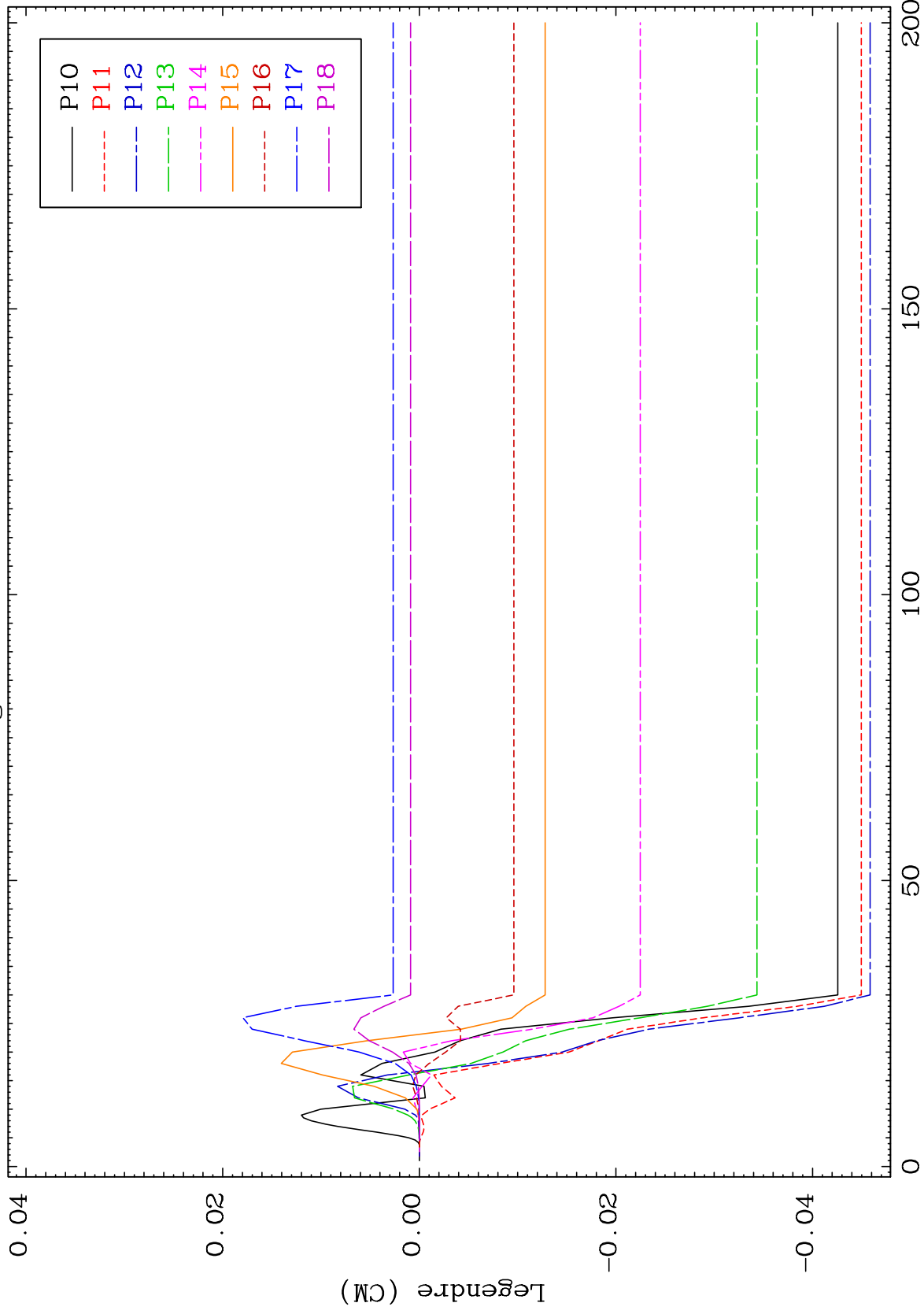
74

64-Gd-153

MAT 6428

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

64-Gd-153



75

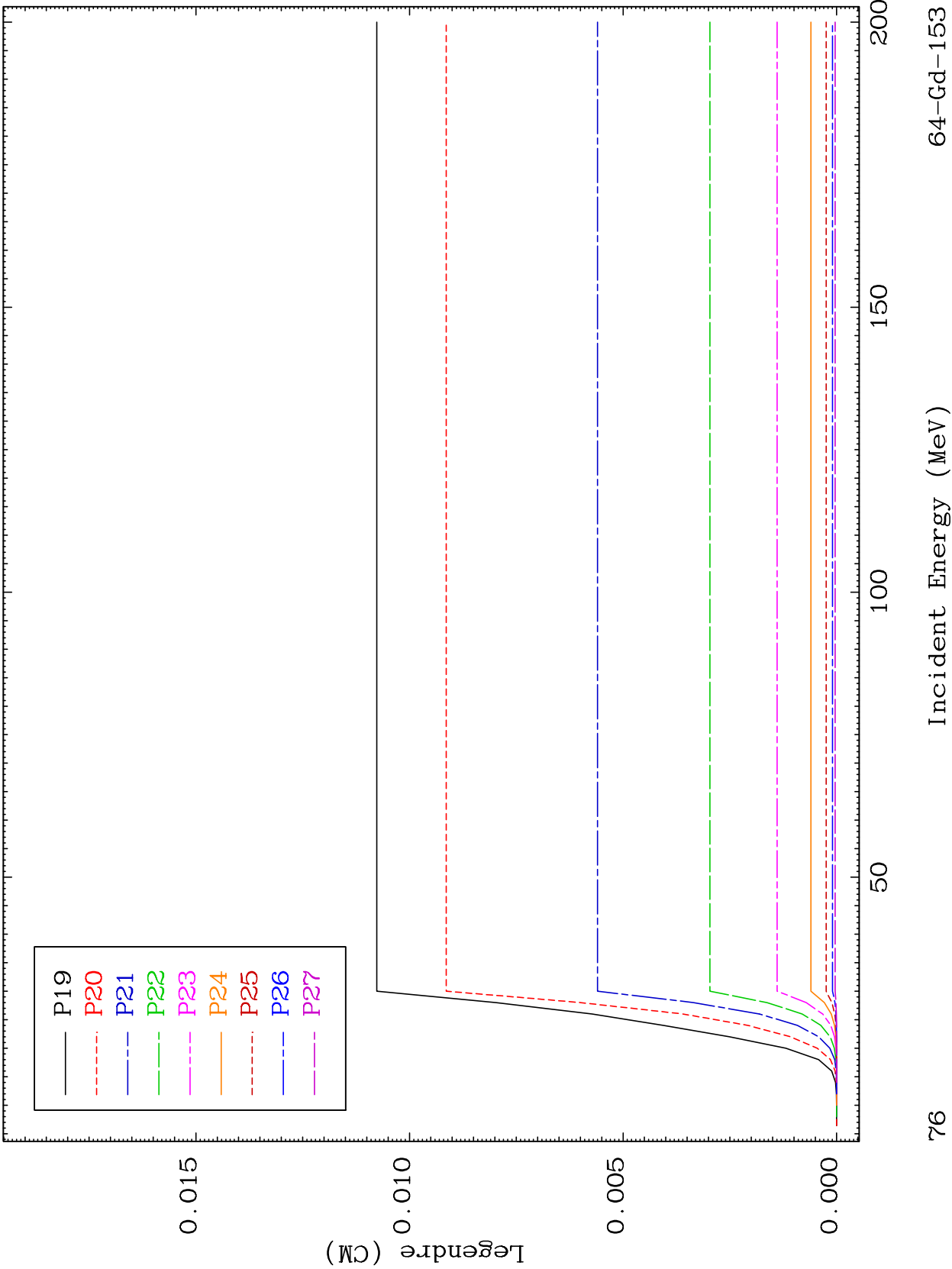
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



76

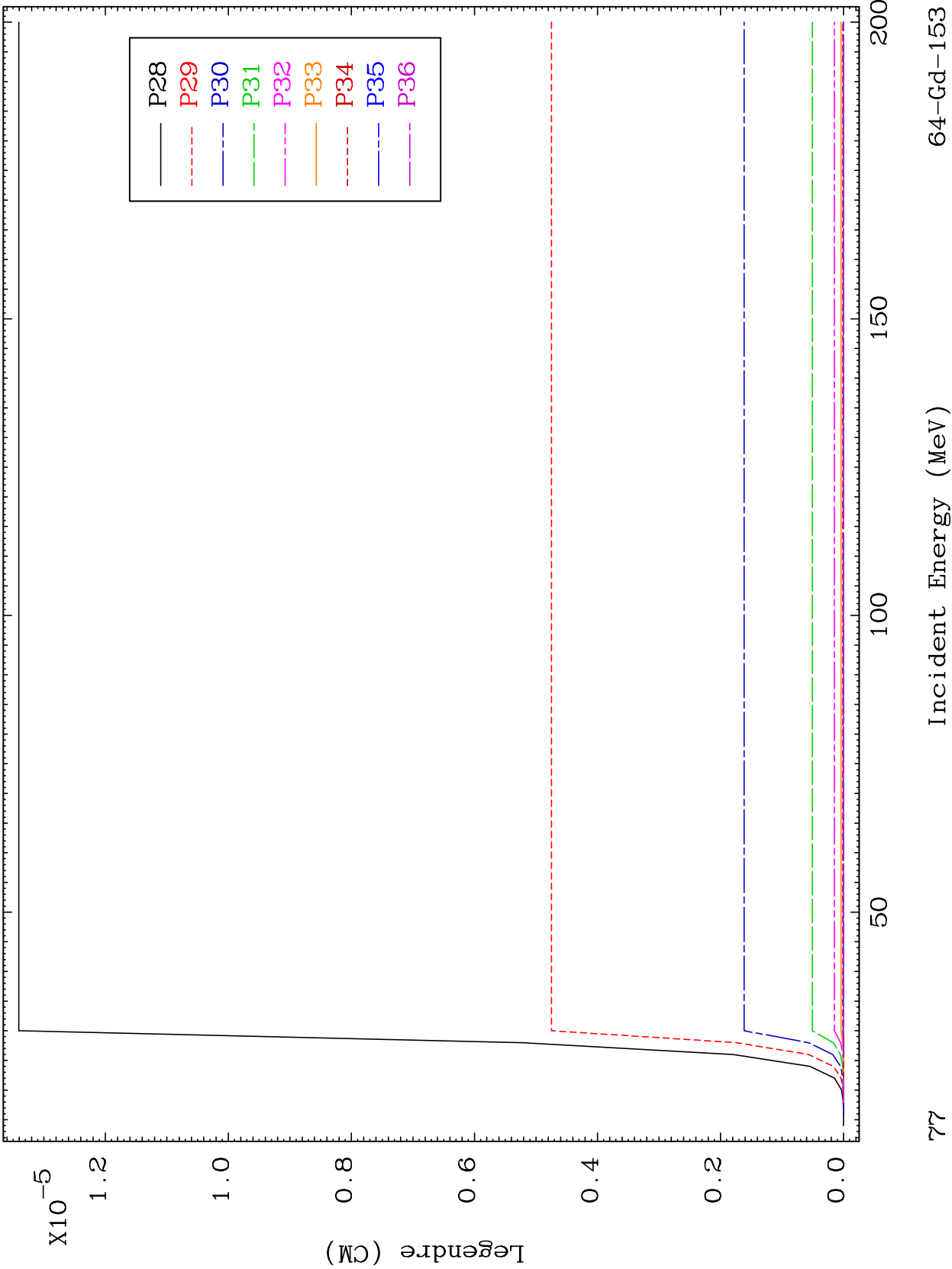
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



77

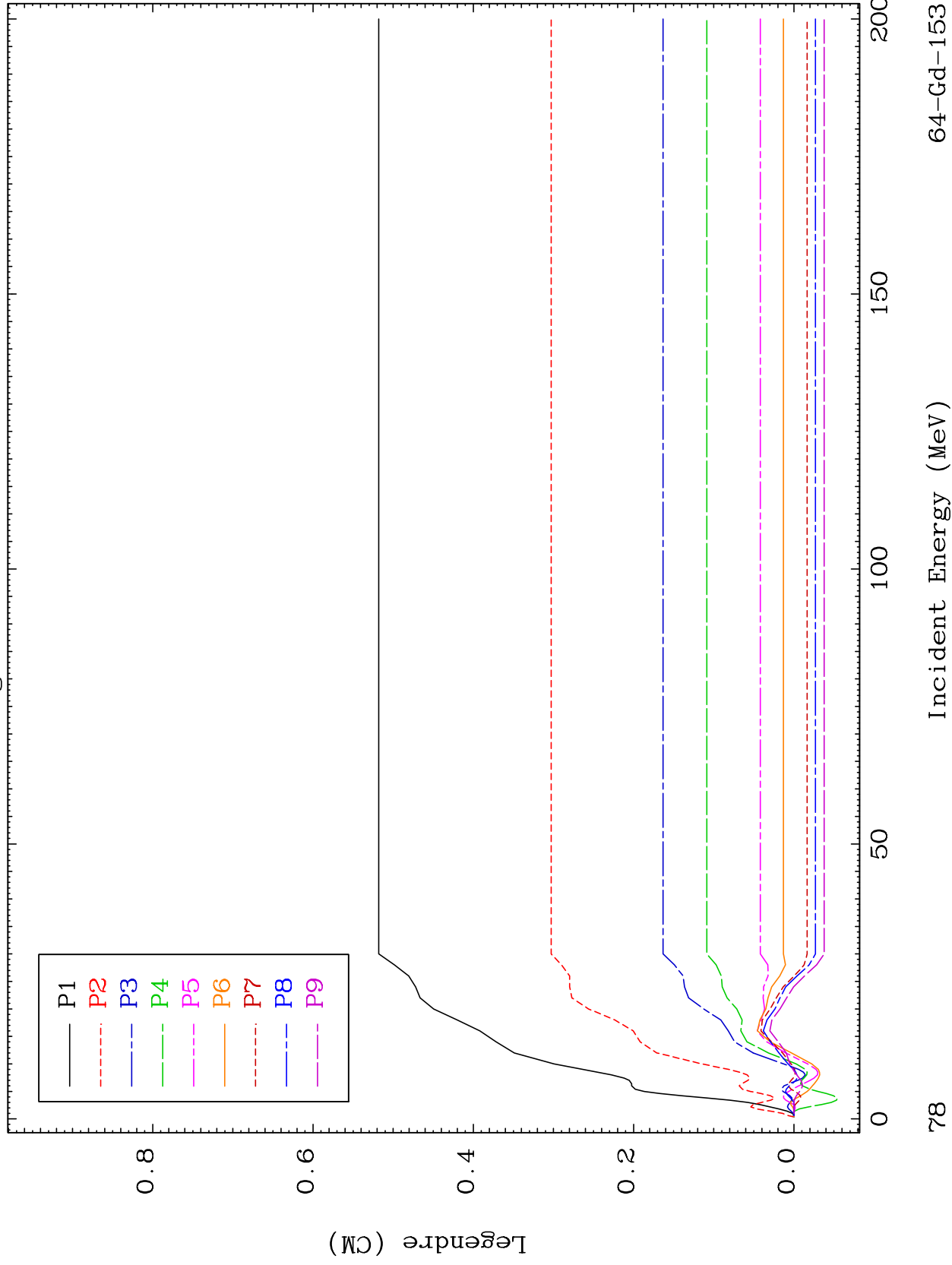
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

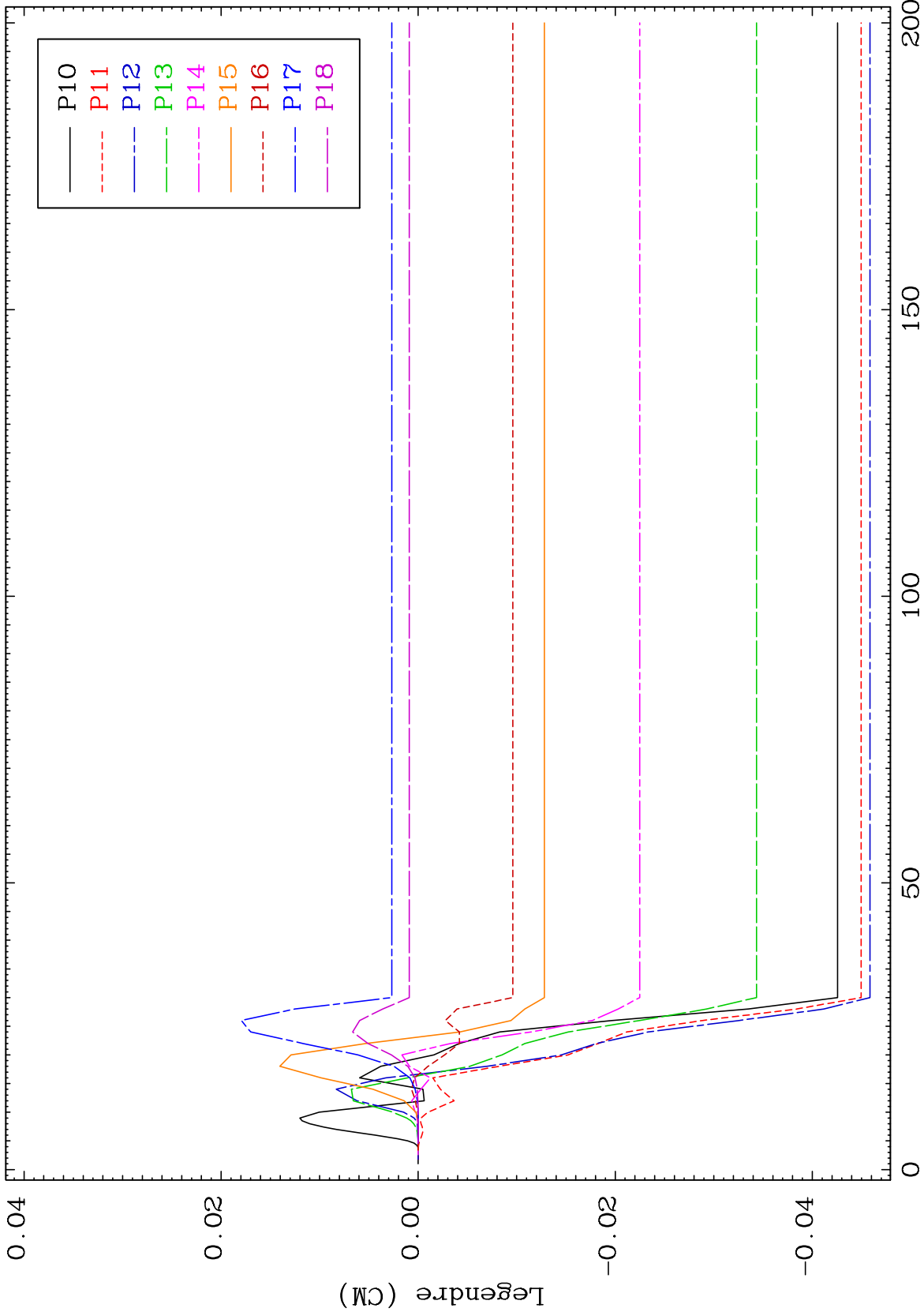
Incident Energy (MeV)

78

MAT 6428

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

64-Gd-153



79

Incident Energy (MeV)

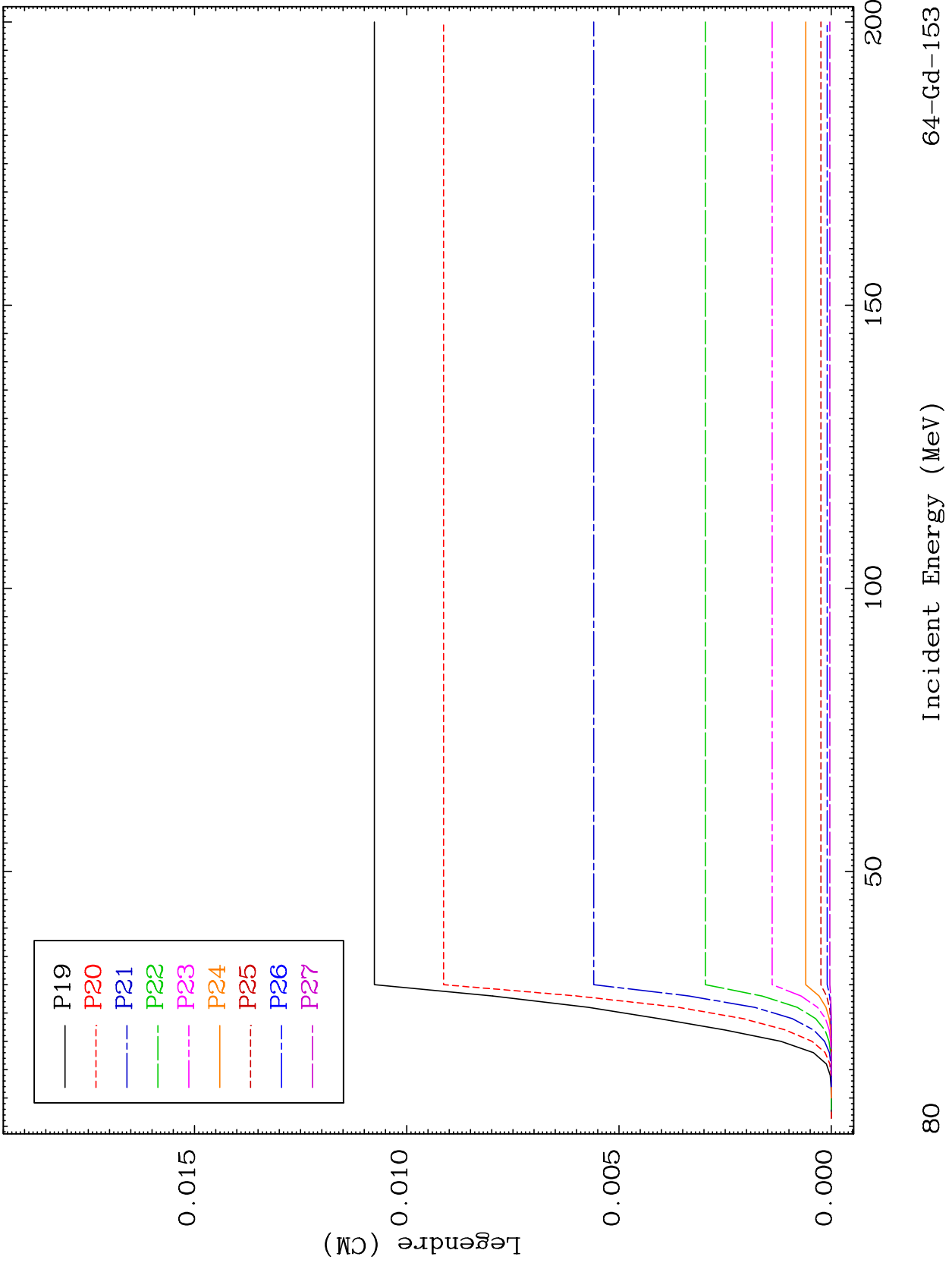
64-Gd-153



MAT 6428

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

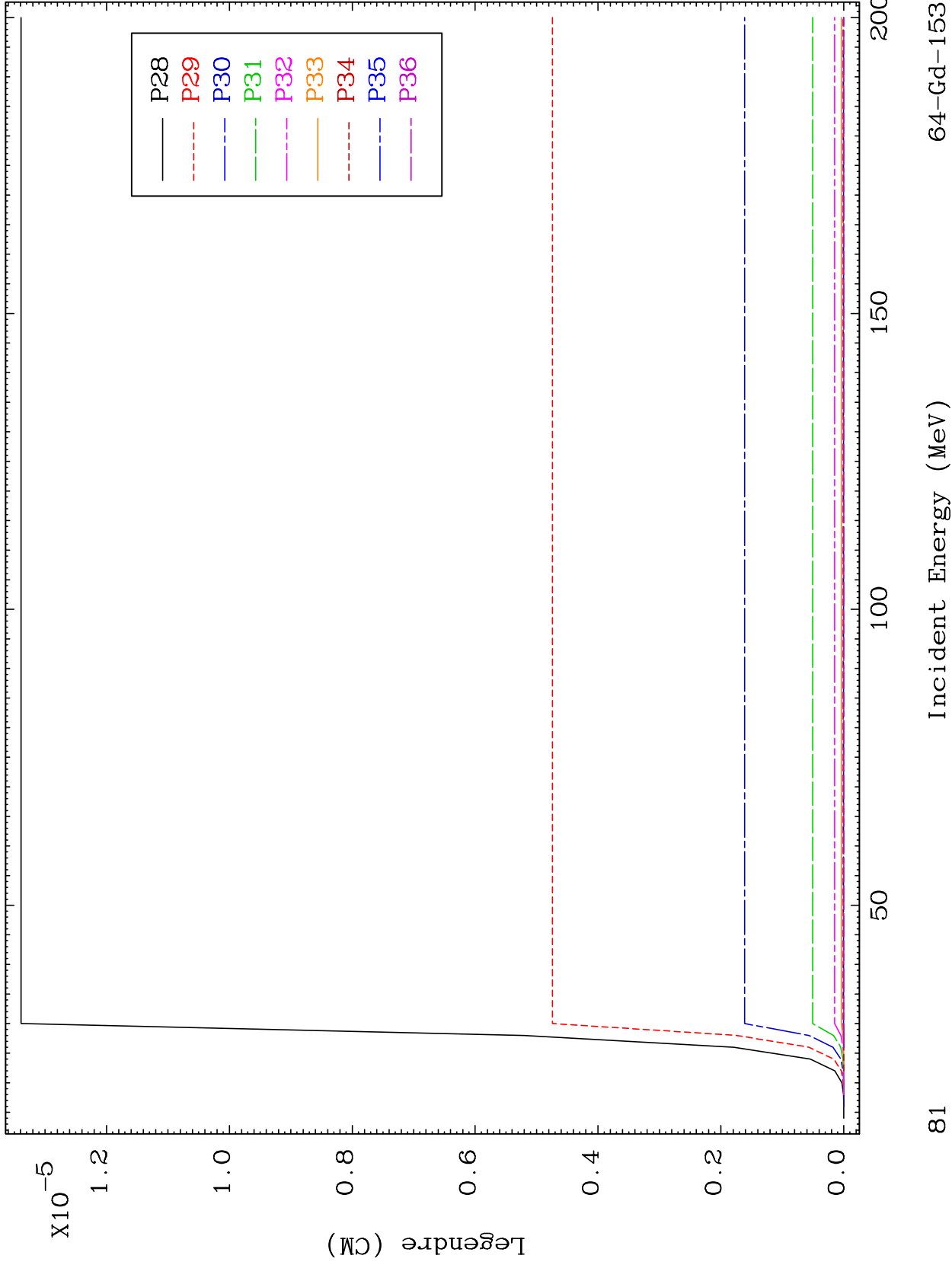
64-Gd-153



80

Incident Energy (MeV)

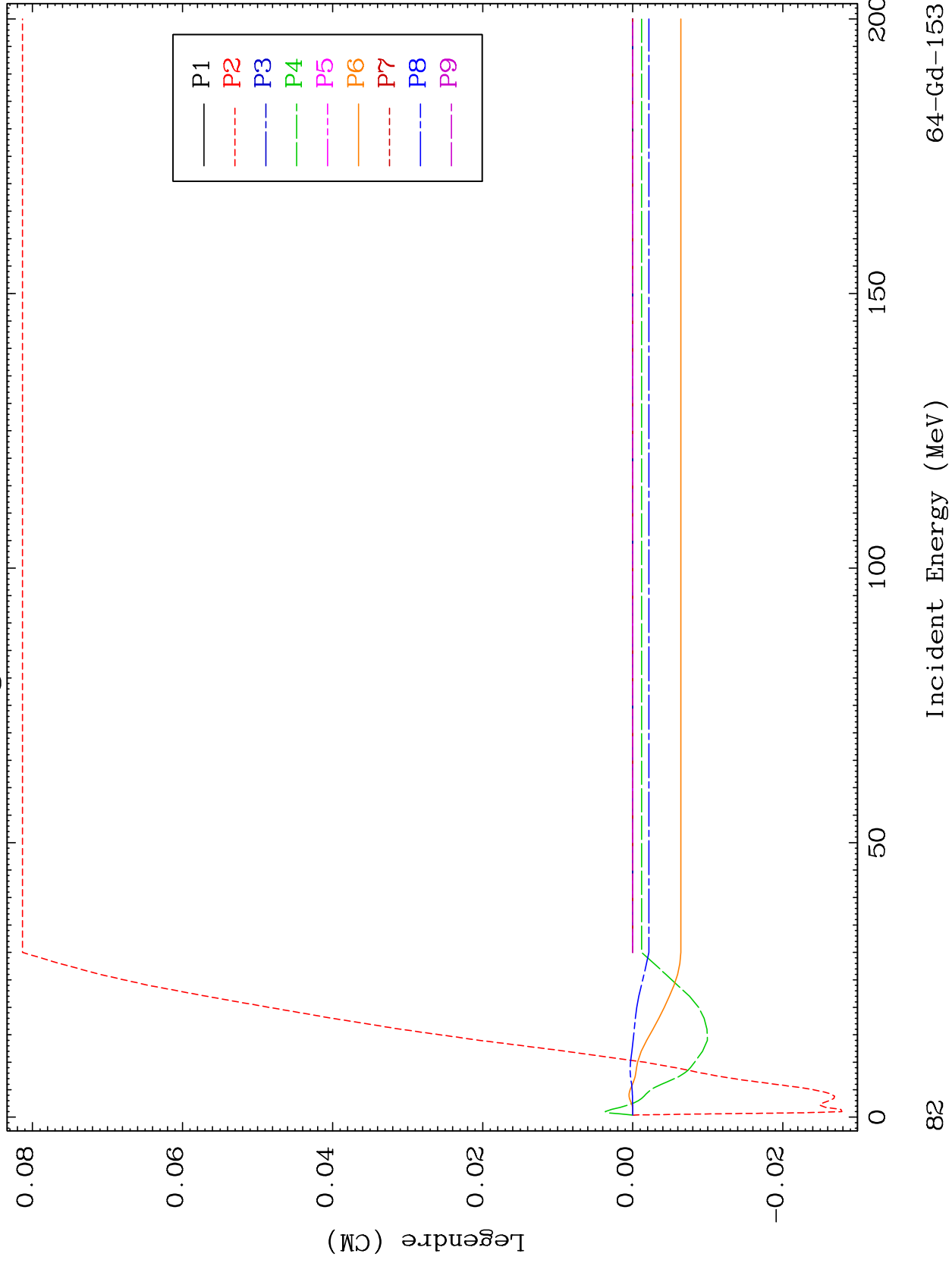
64-Gd-153



MAT 6428

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

64-Gd-153



82

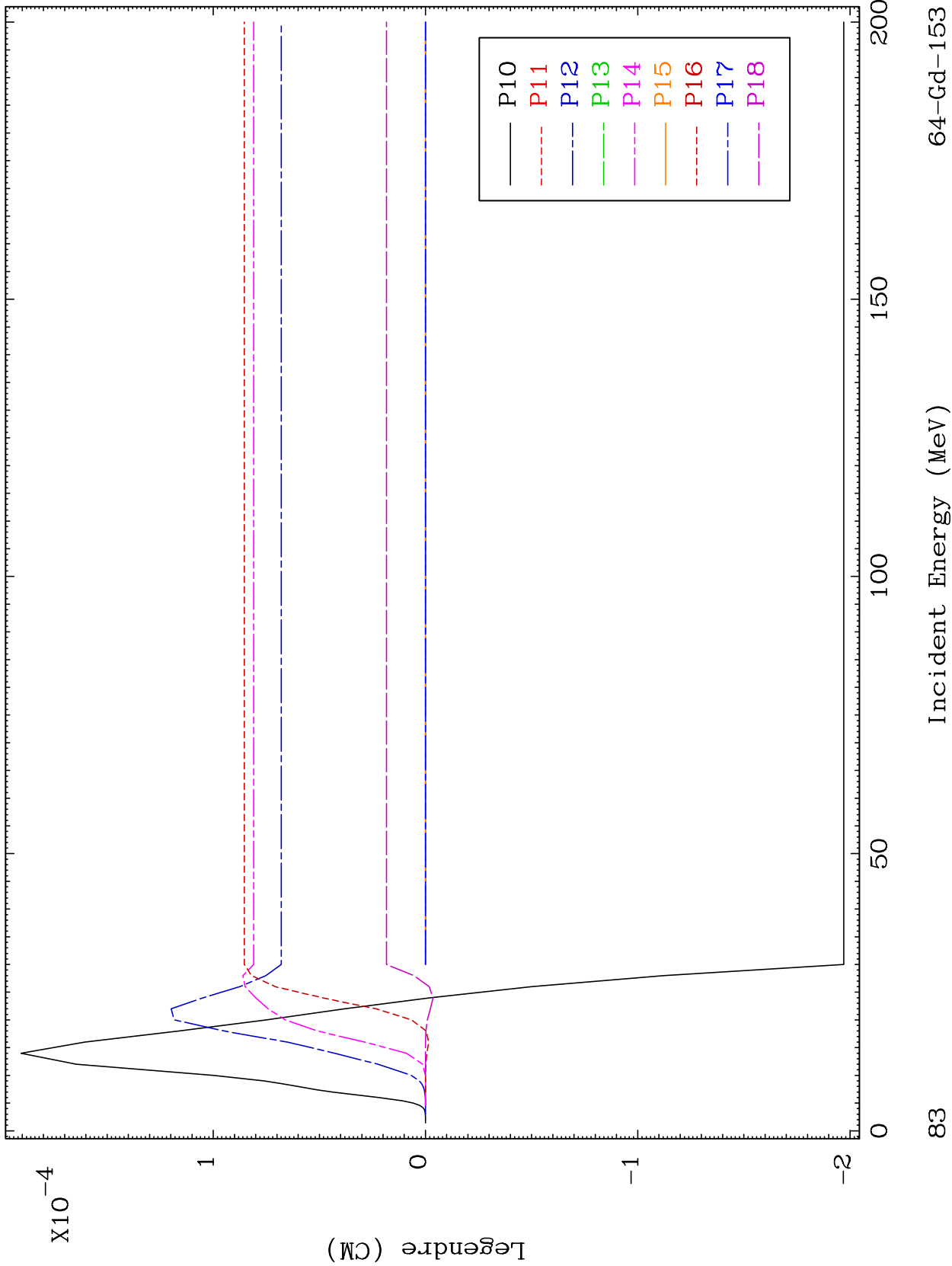
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

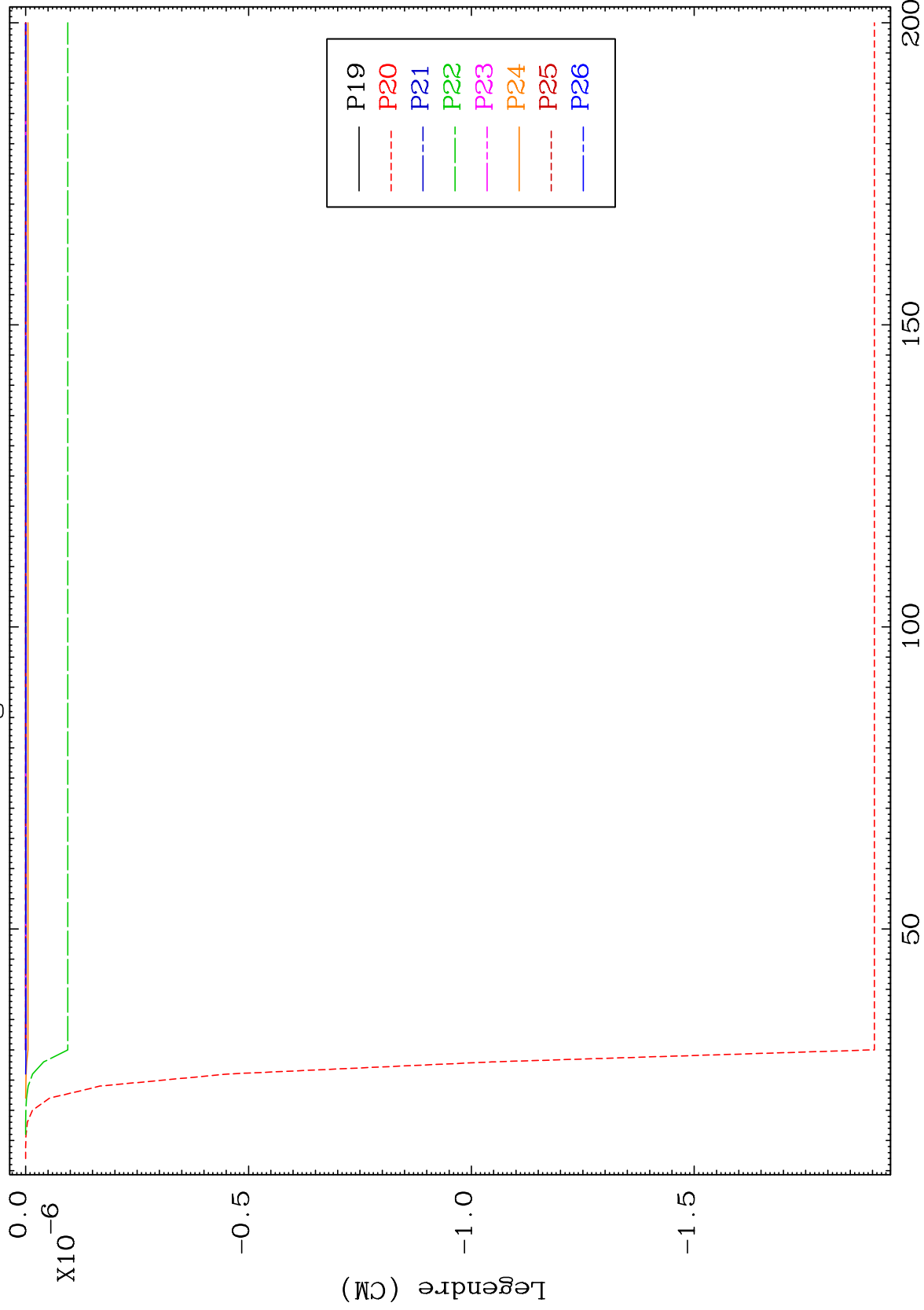
64-Gd-153



MAT 6428

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

64-Gd-153



84

Incident Energy (MeV)

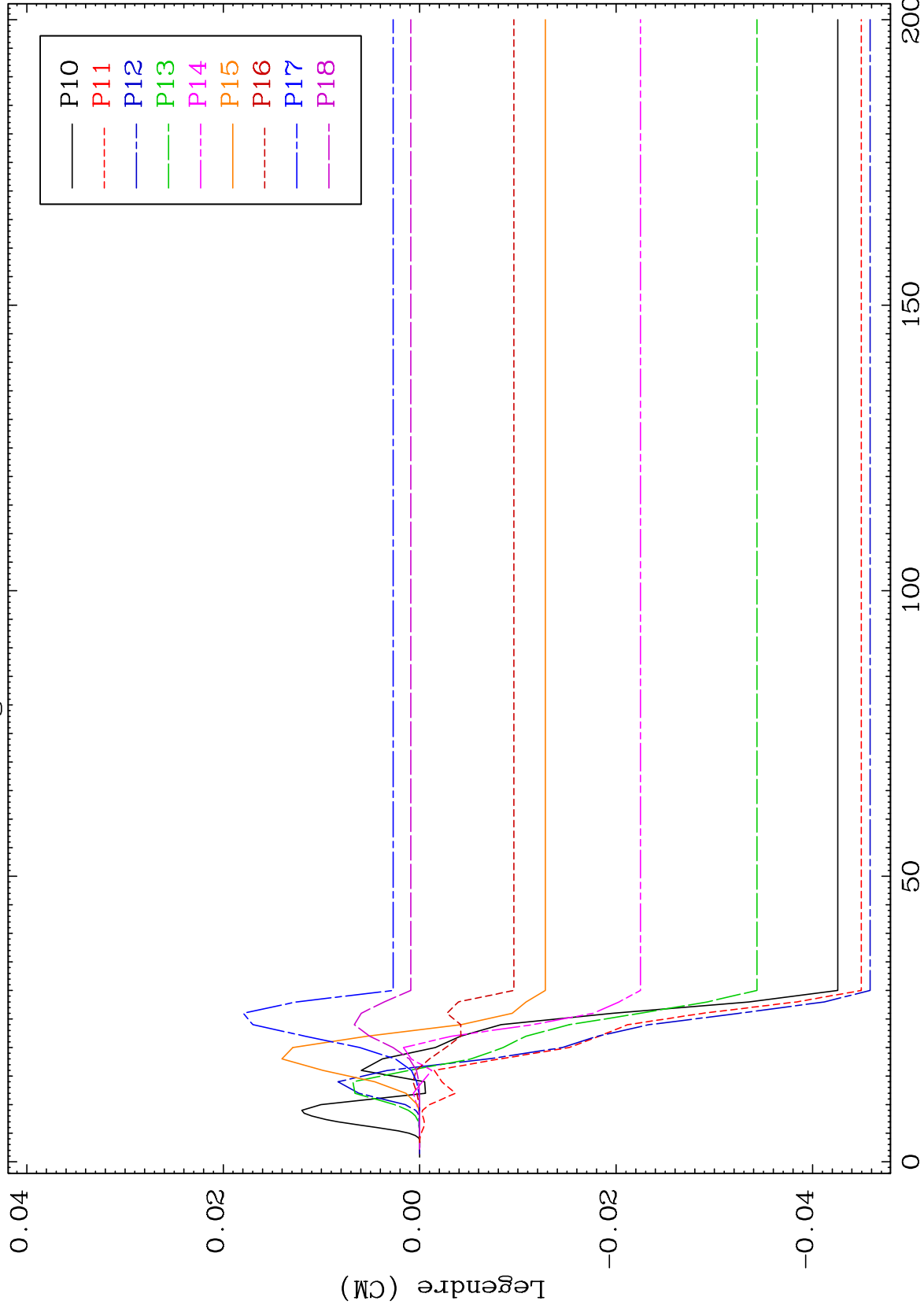
64-Gd-153



MAT 6428

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

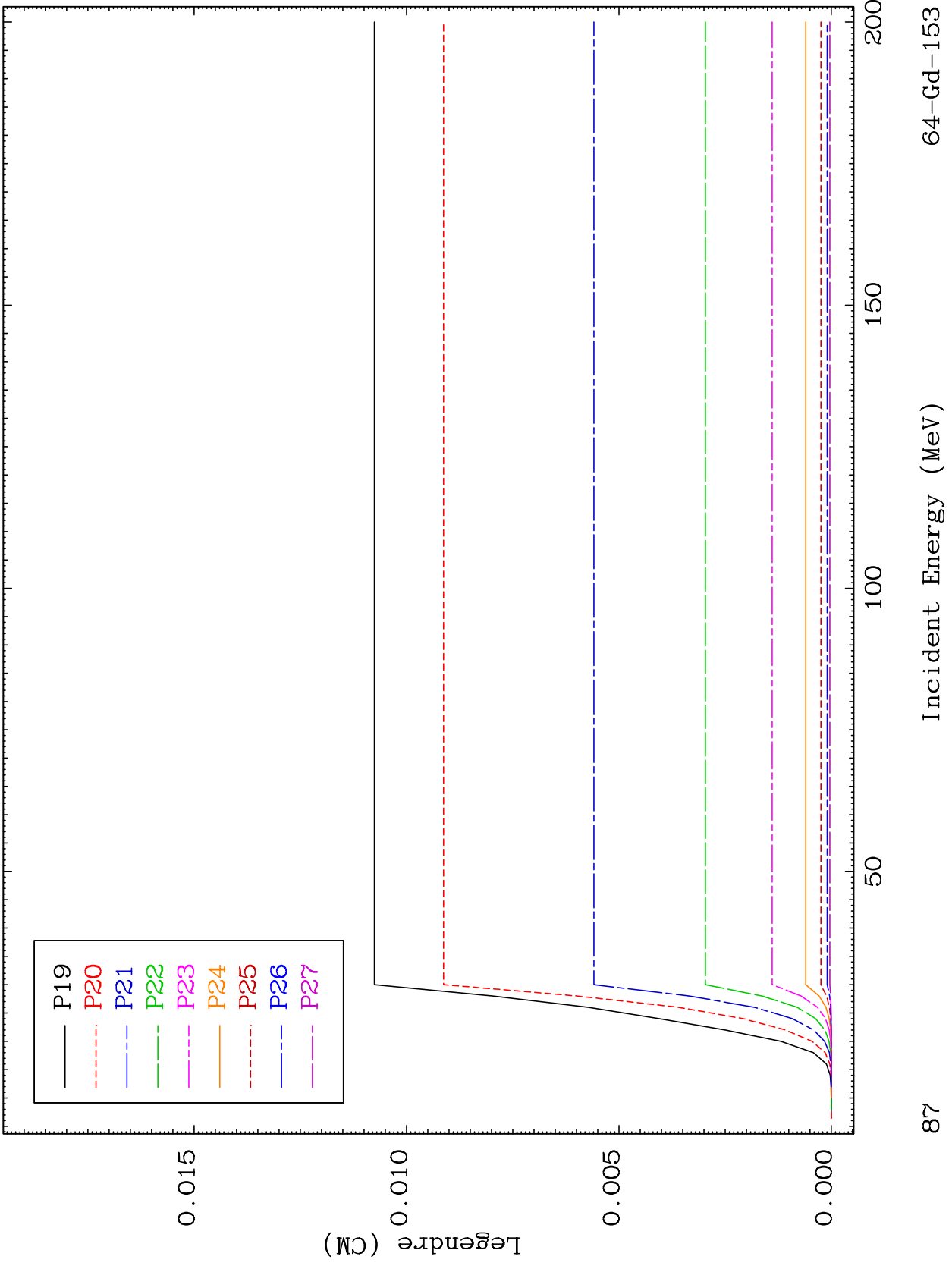
64-Gd-153



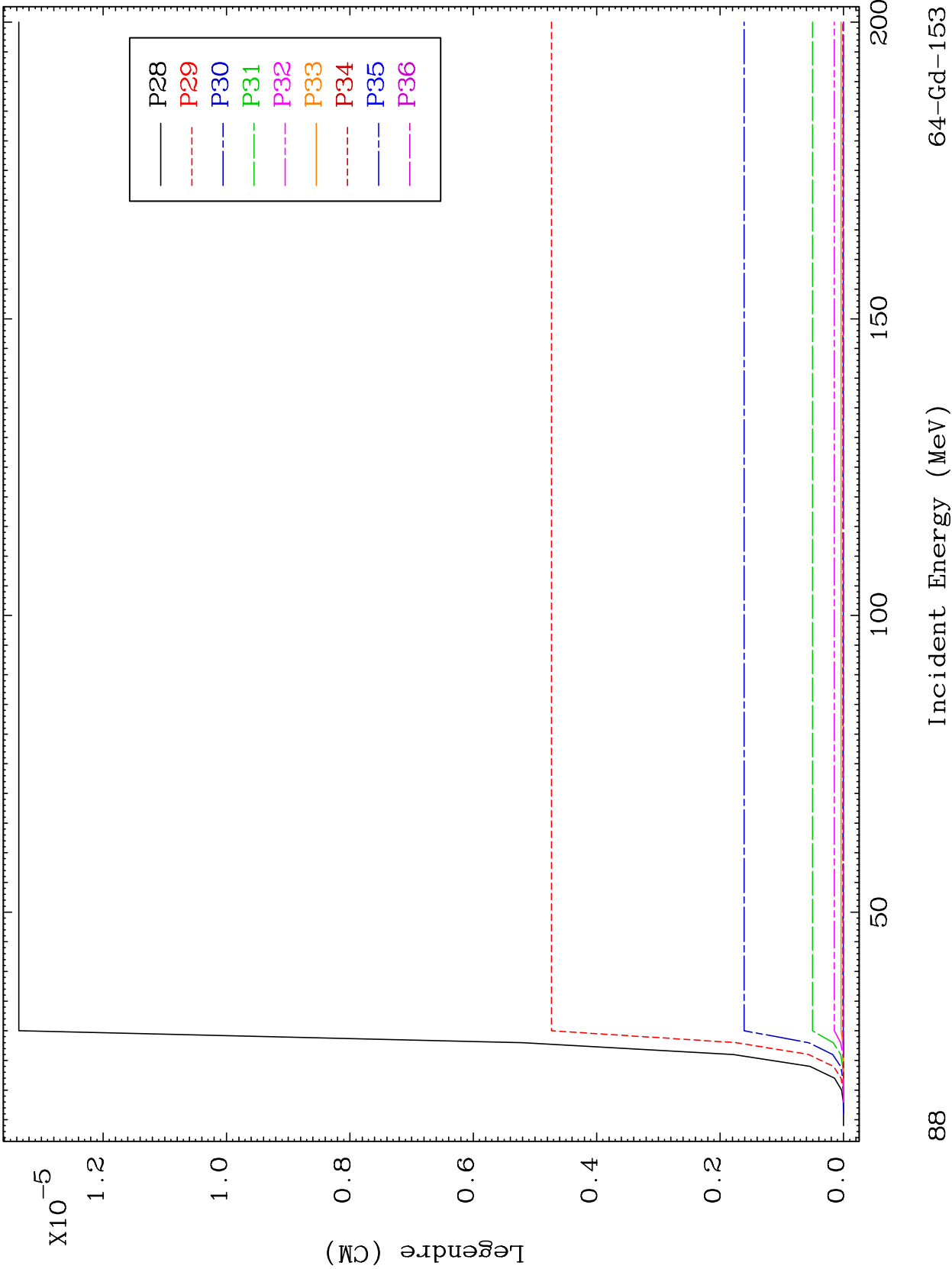
86

Incident Energy (MeV)

64-Gd-153





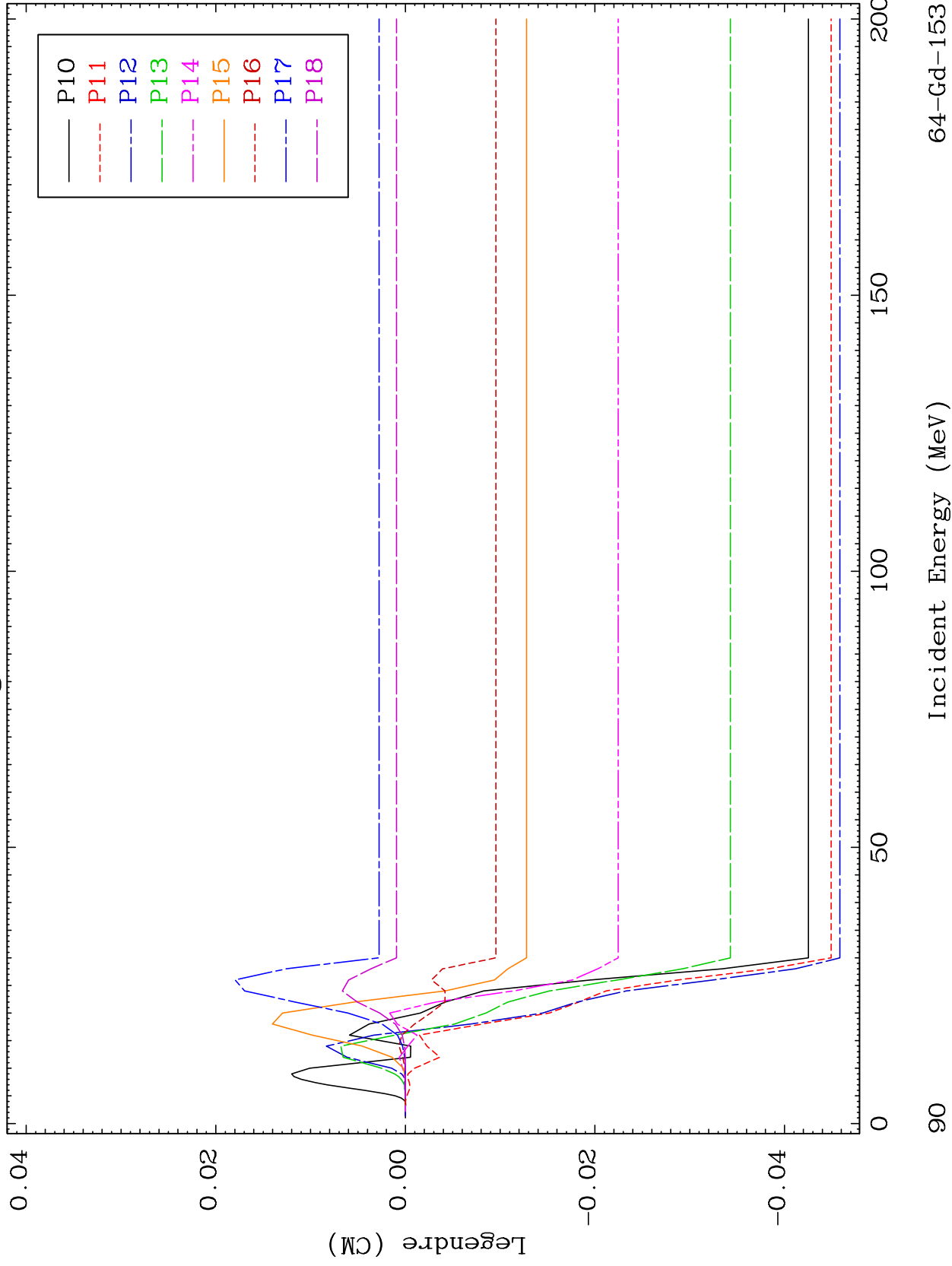




MAT 6428

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

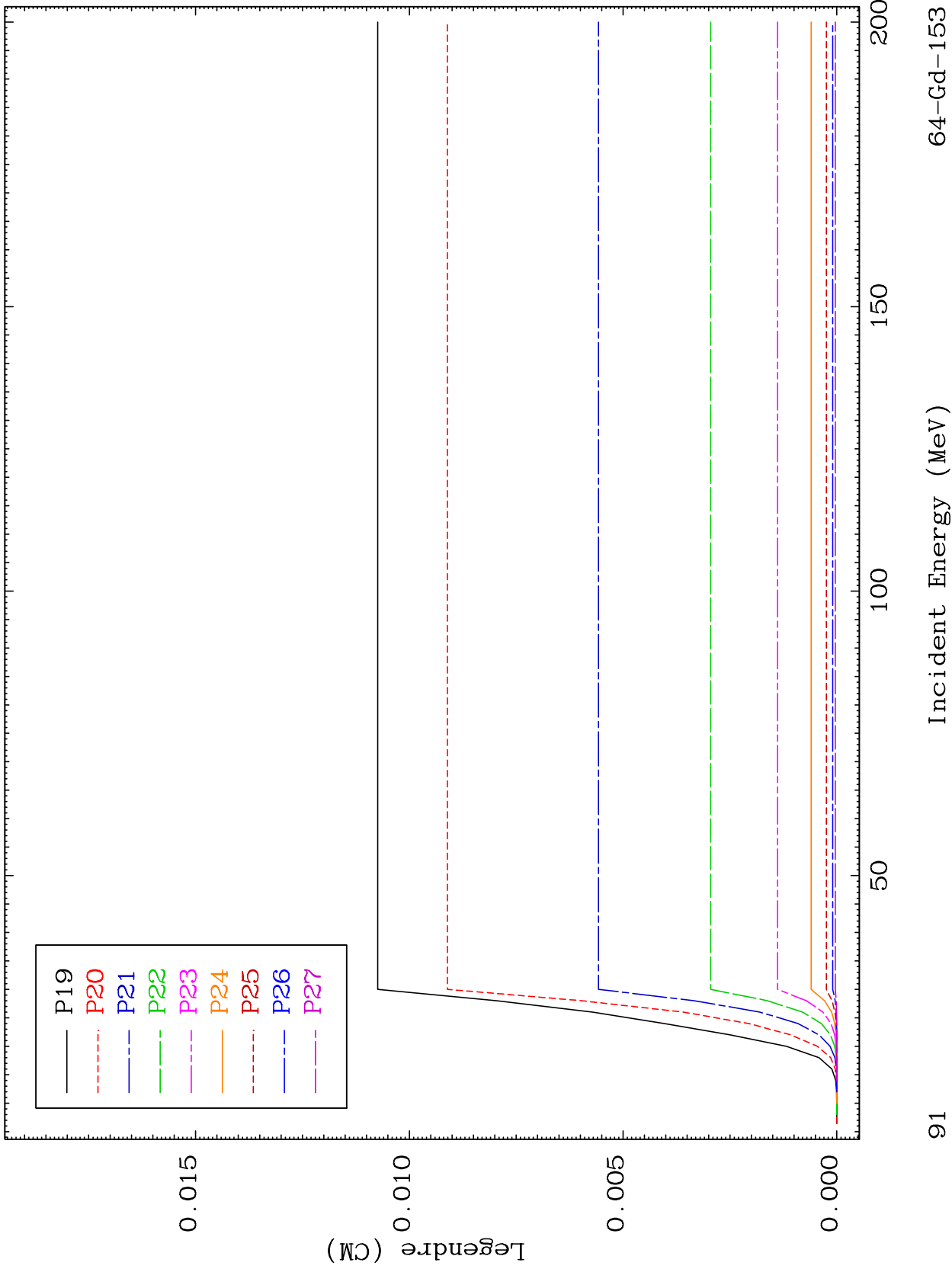
64-Gd-153



64-Gd-153

Incident Energy (MeV)

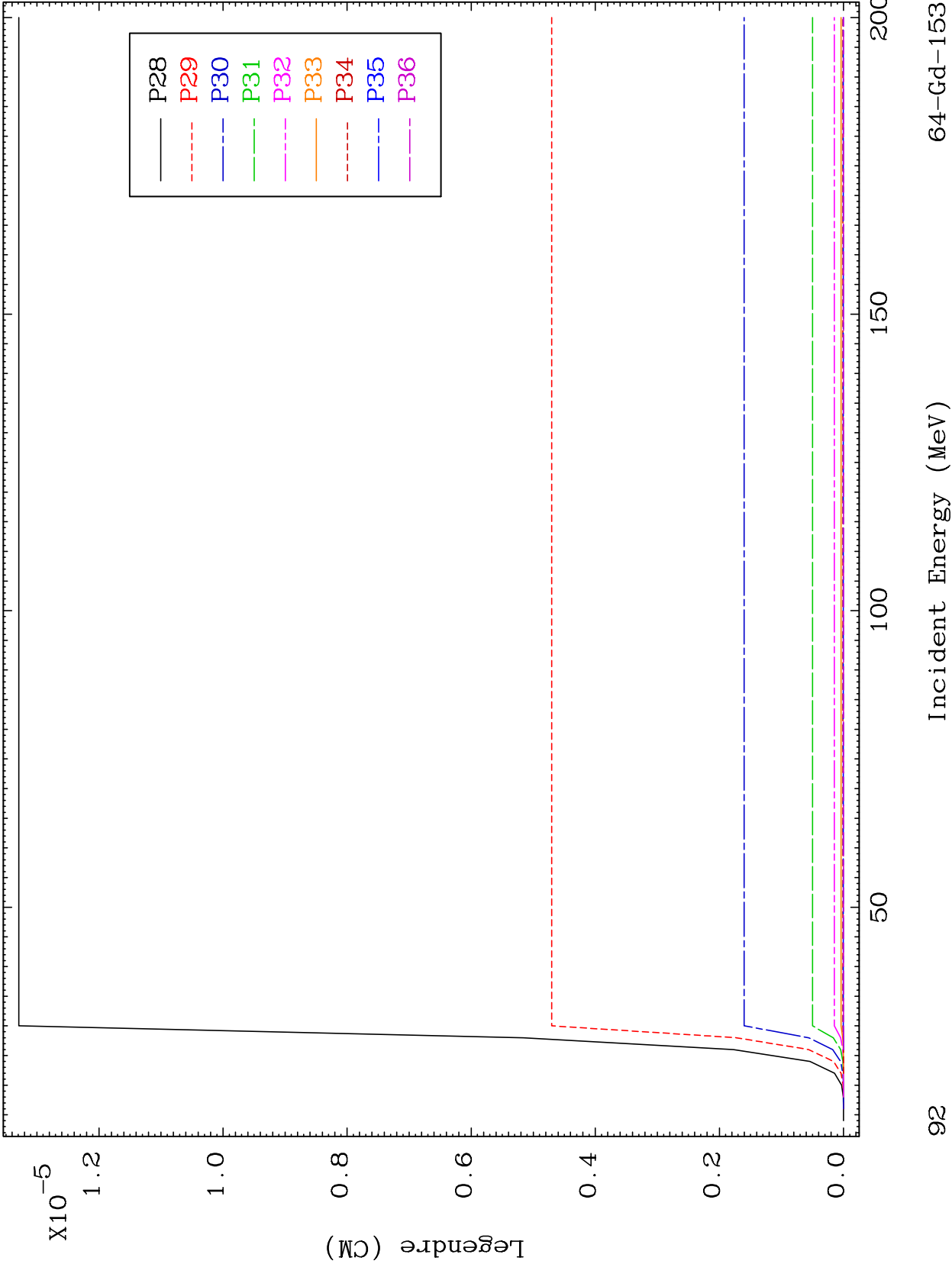
90



MAT 6428

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

64-Gd-153



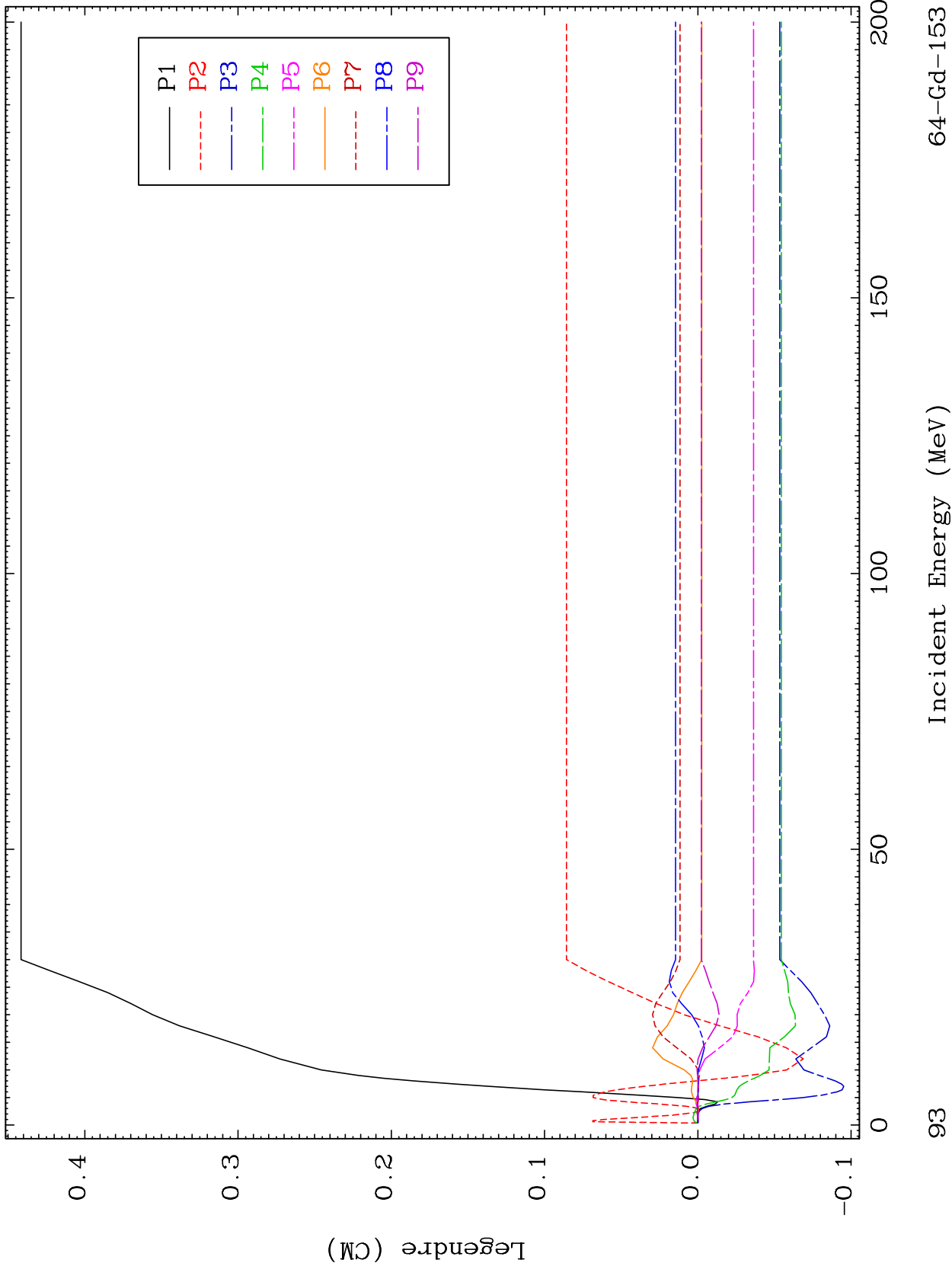
92

64-Gd-153

MAT 6428

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

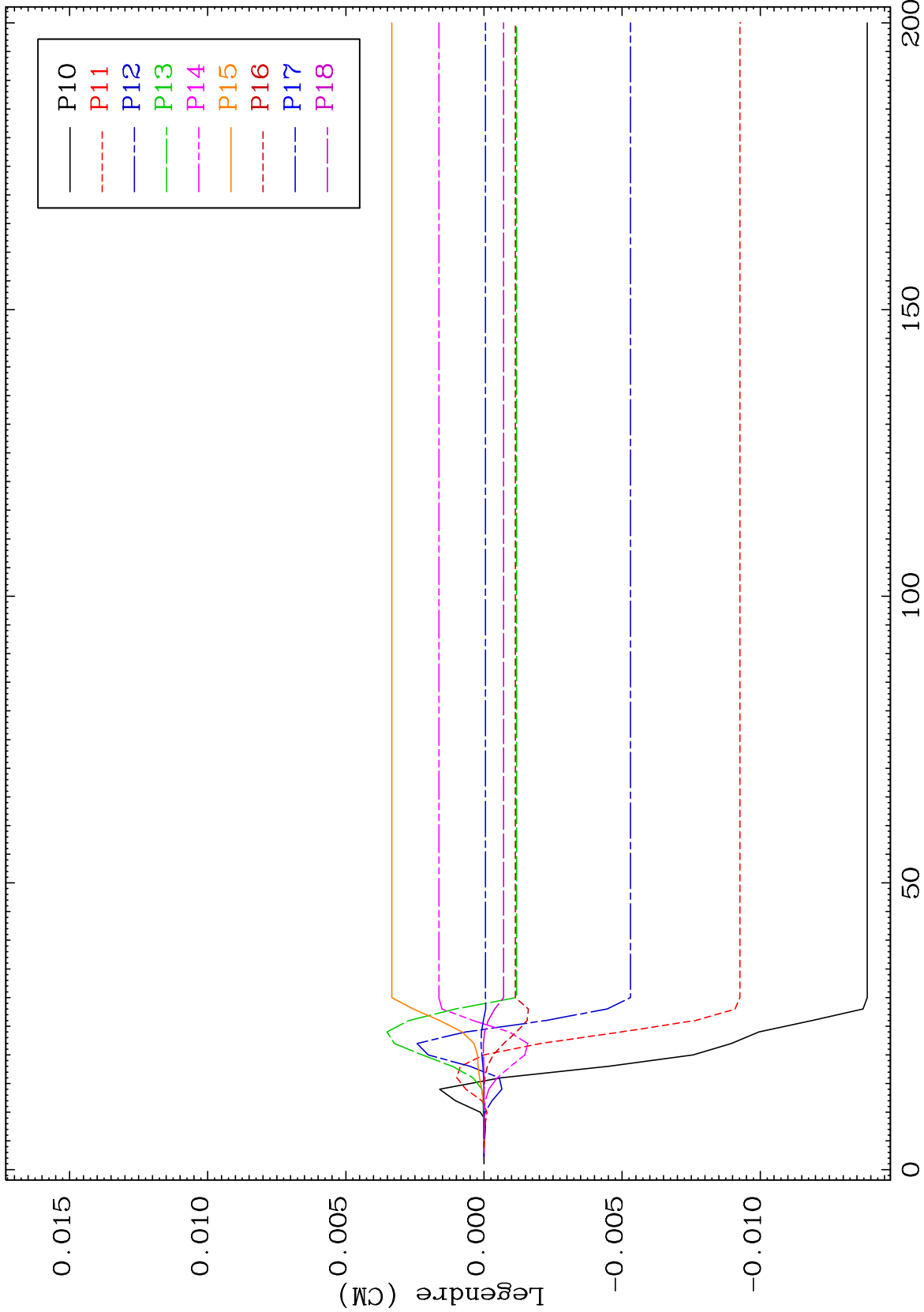
64-Gd-153

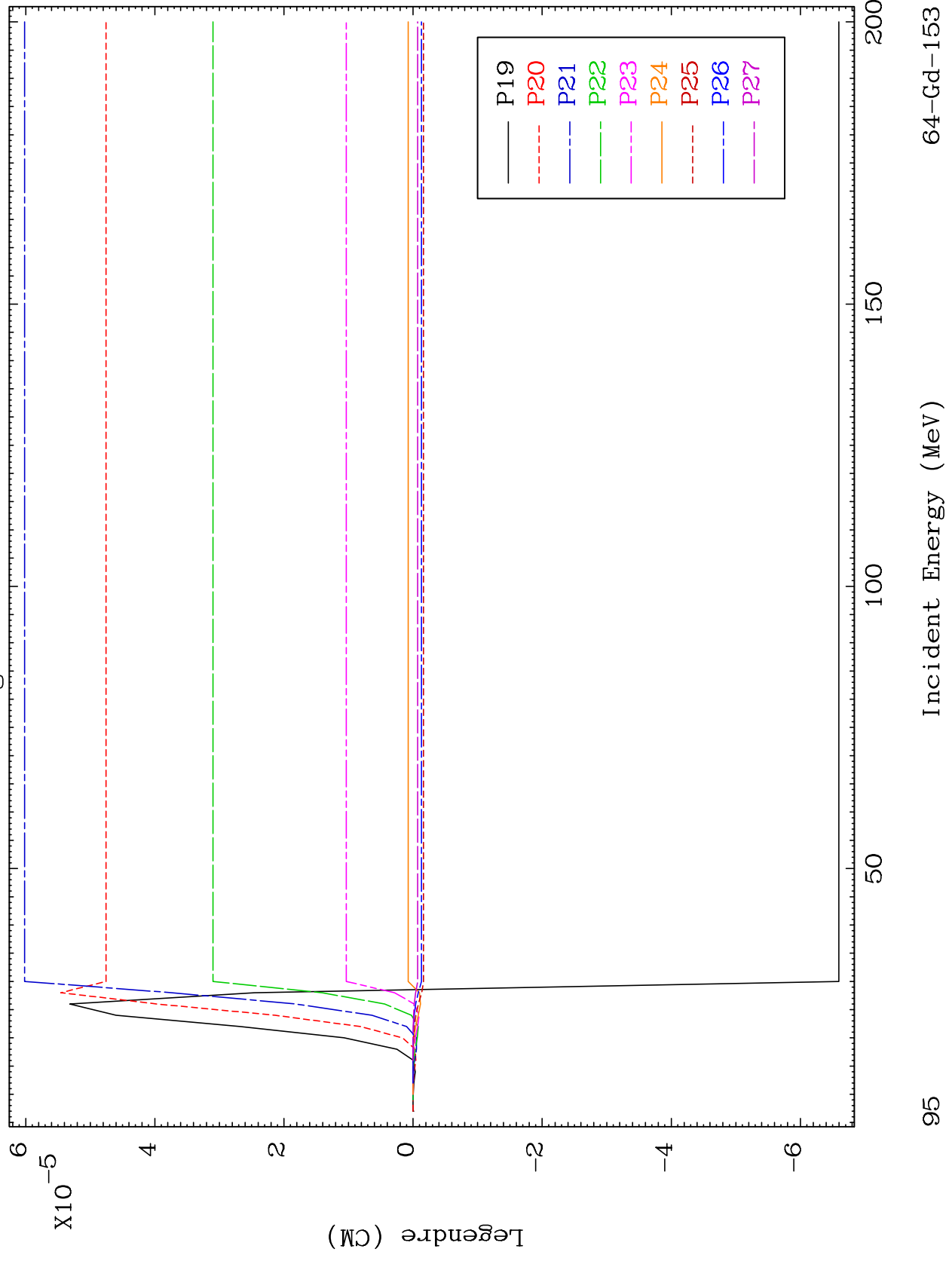


64-Gd-153

Incident Energy (MeV)

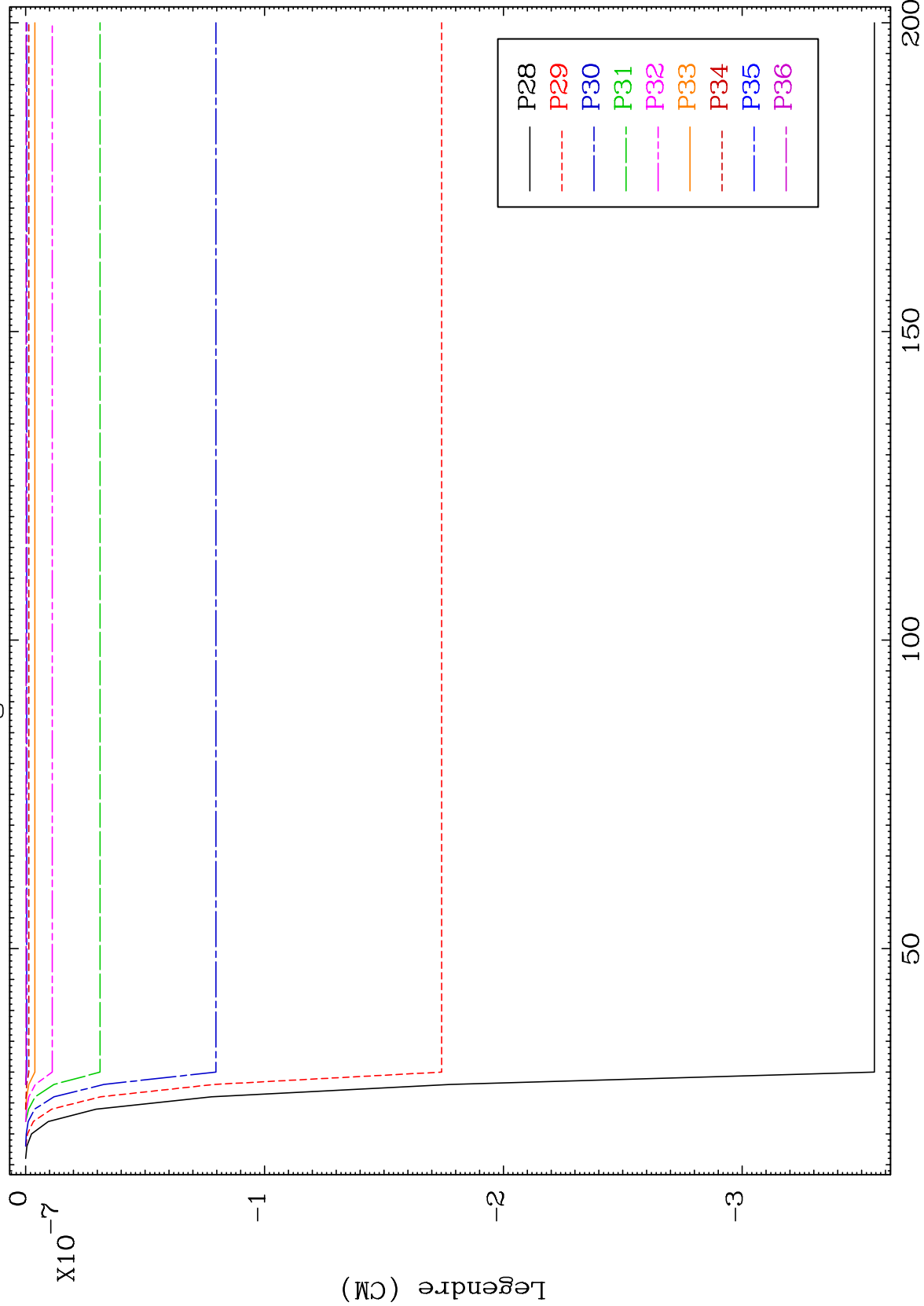
93







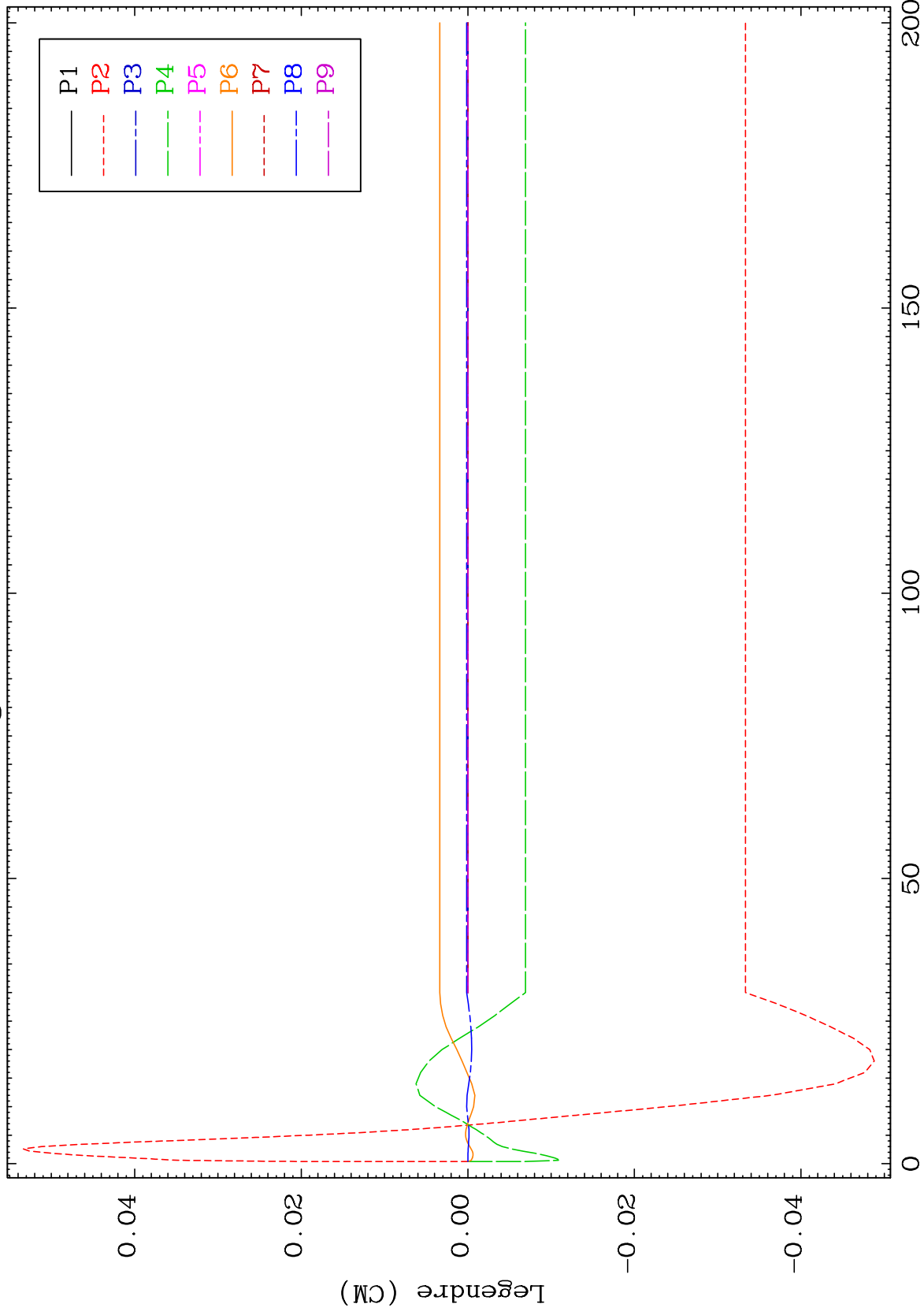
Legendre Coefficients



MAT 6428

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

64-Gd-153



97

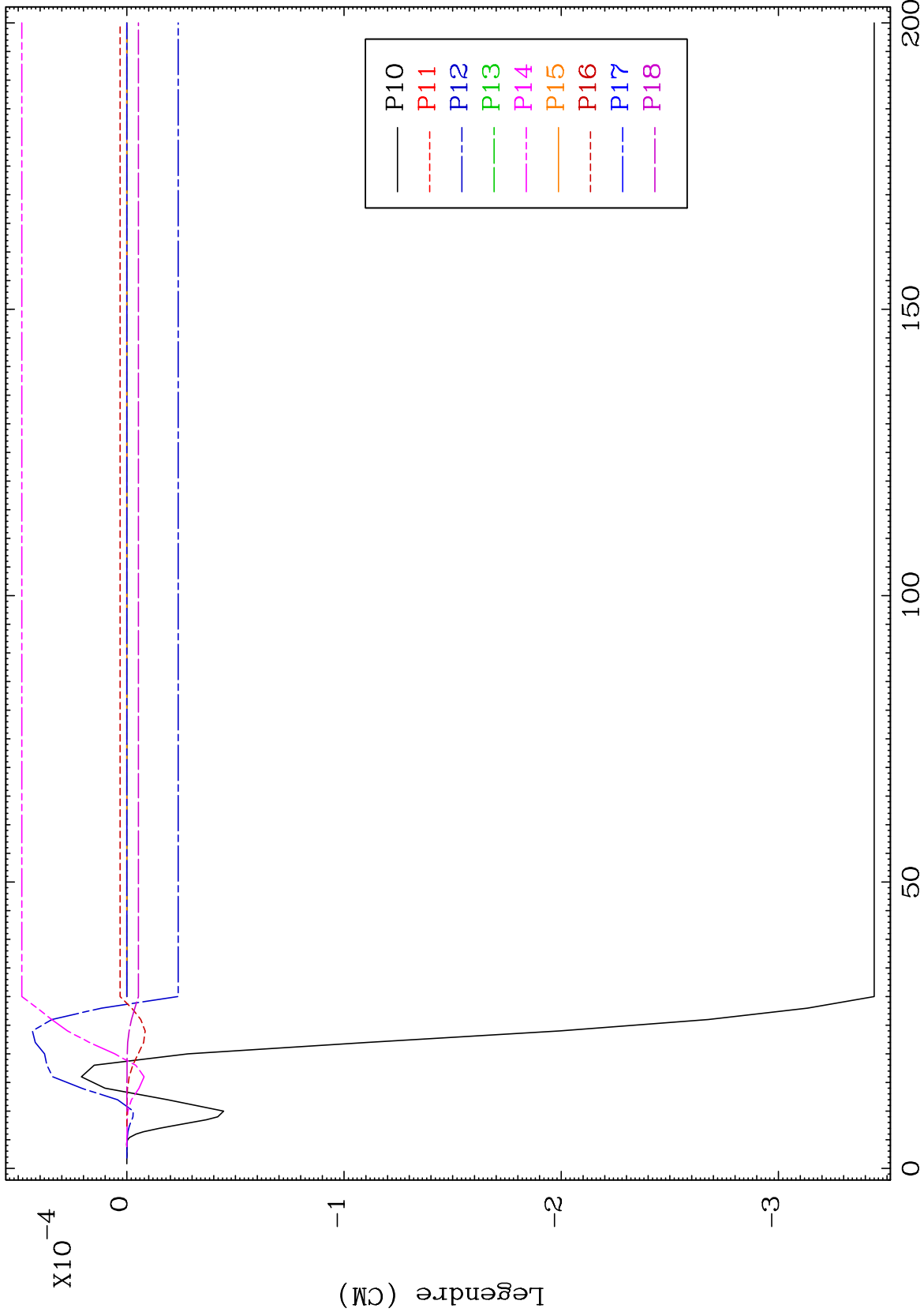
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

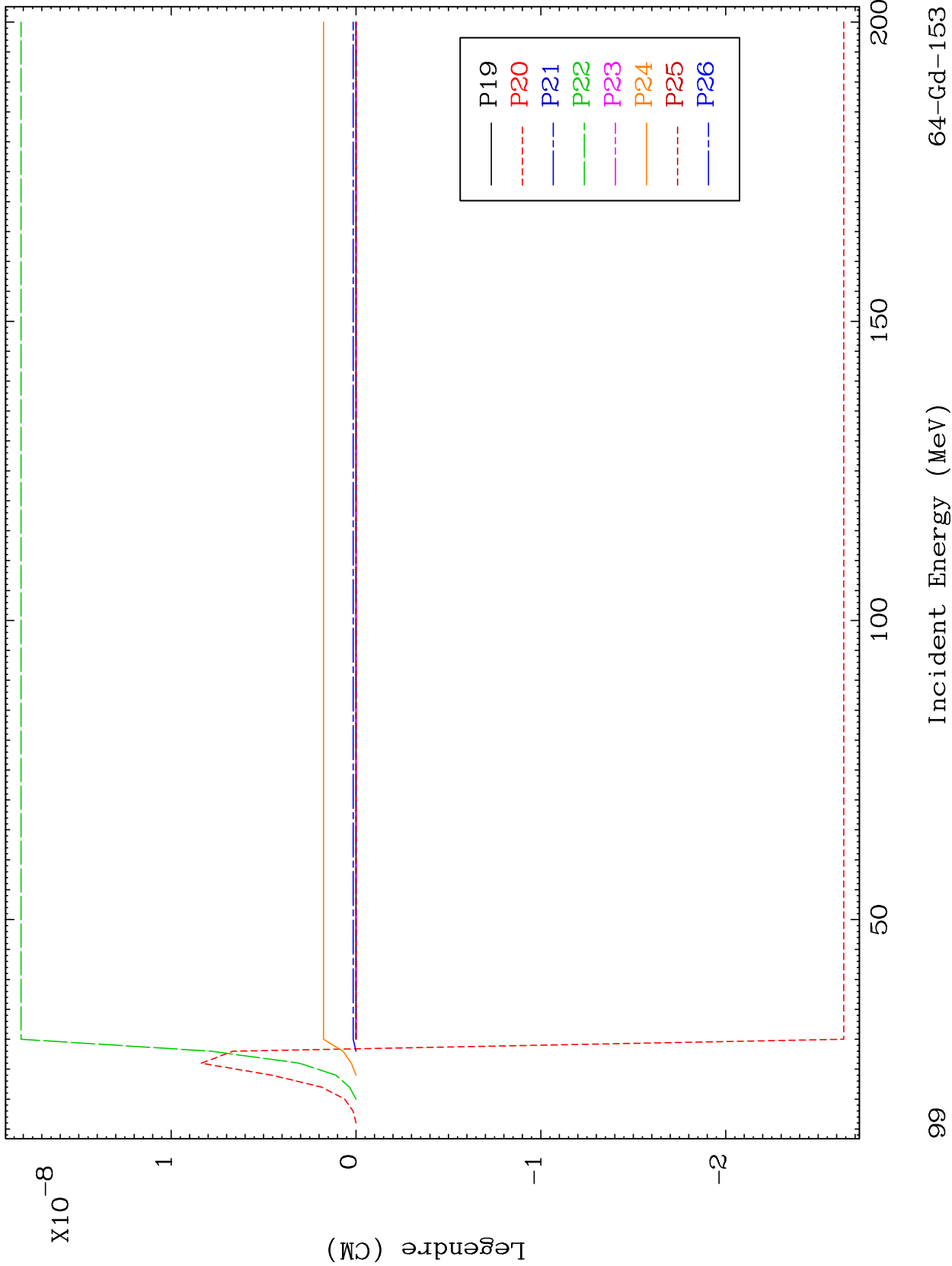
64-Gd-153



98

Incident Energy (MeV)

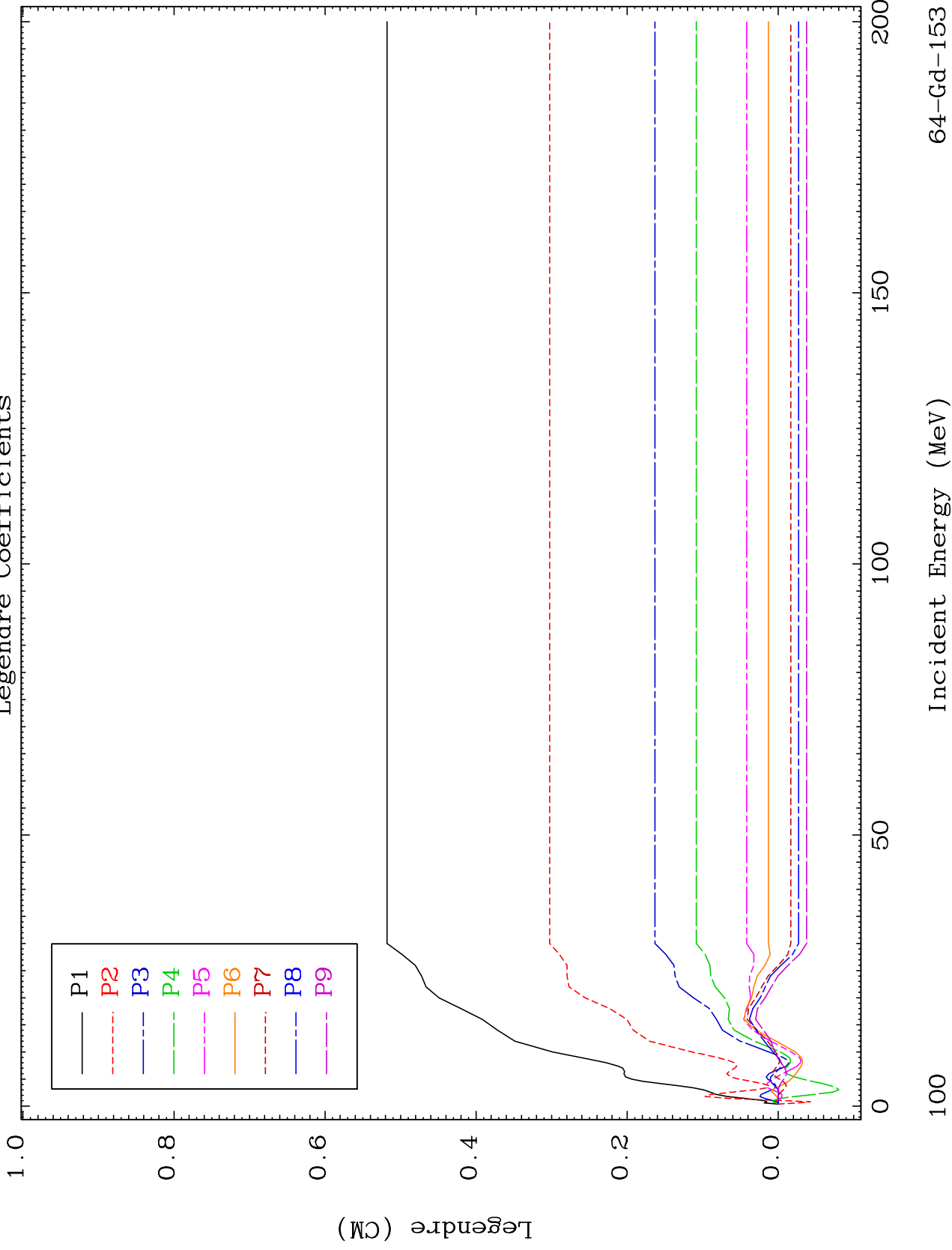
64-Gd-153



MAT 6428

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

64-Gd-153



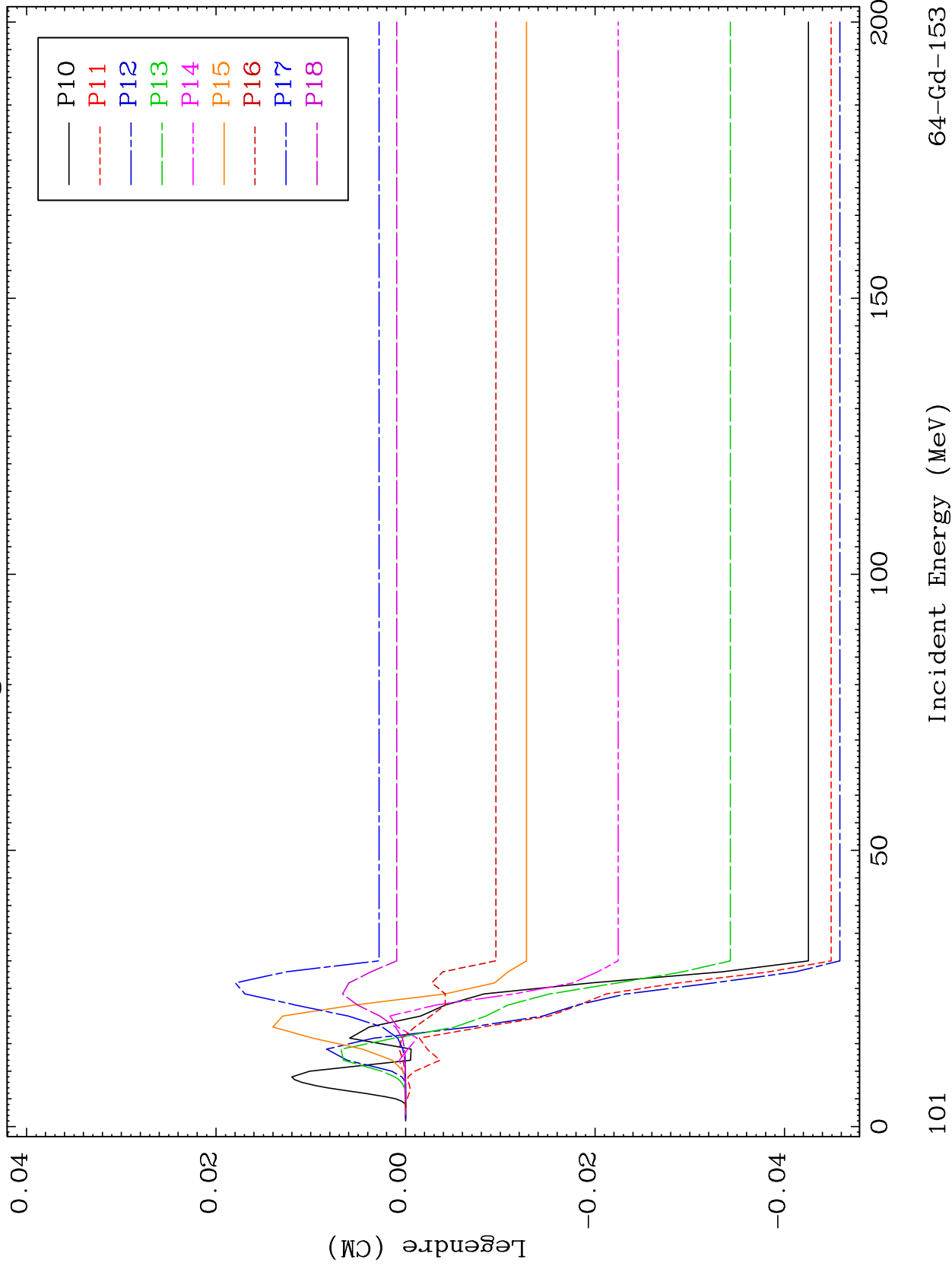
64-Gd-153

Incident Energy (MeV)

MAT 6428

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

64-Gd-153



64-Gd-153

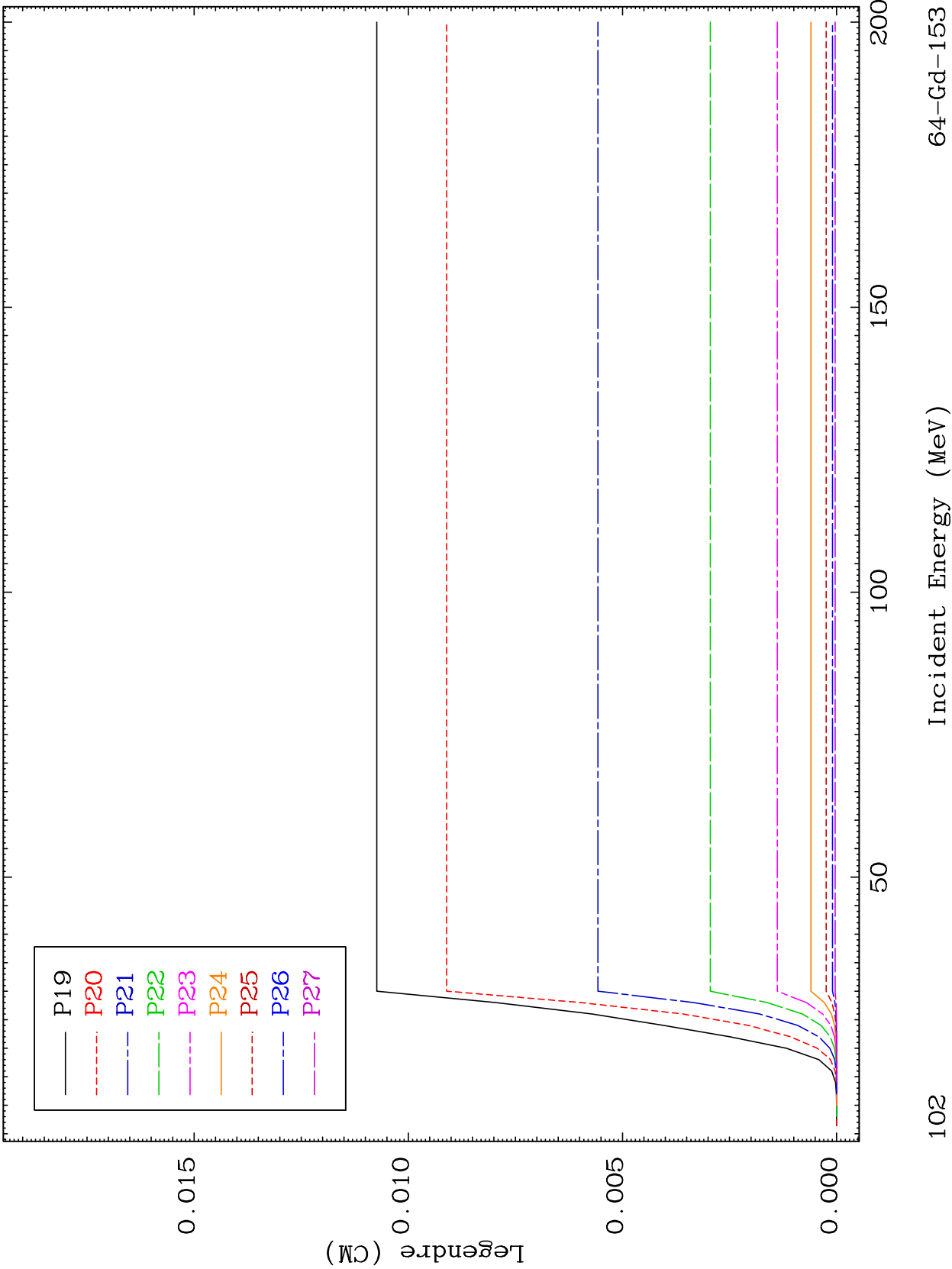
Incident Energy (MeV)

101

MAT 6428

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

64-Gd-153



102

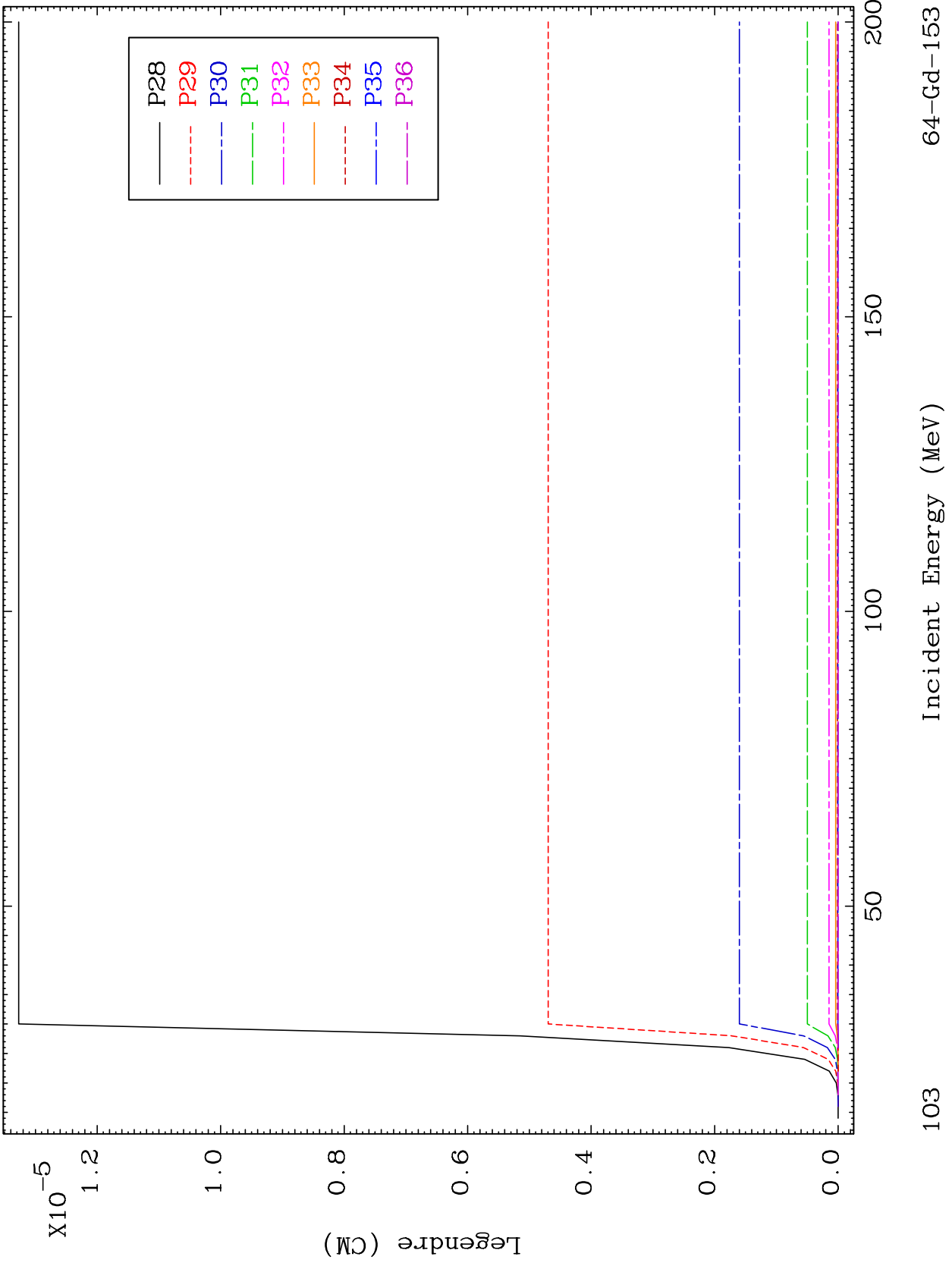
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



103

Incident Energy (MeV)

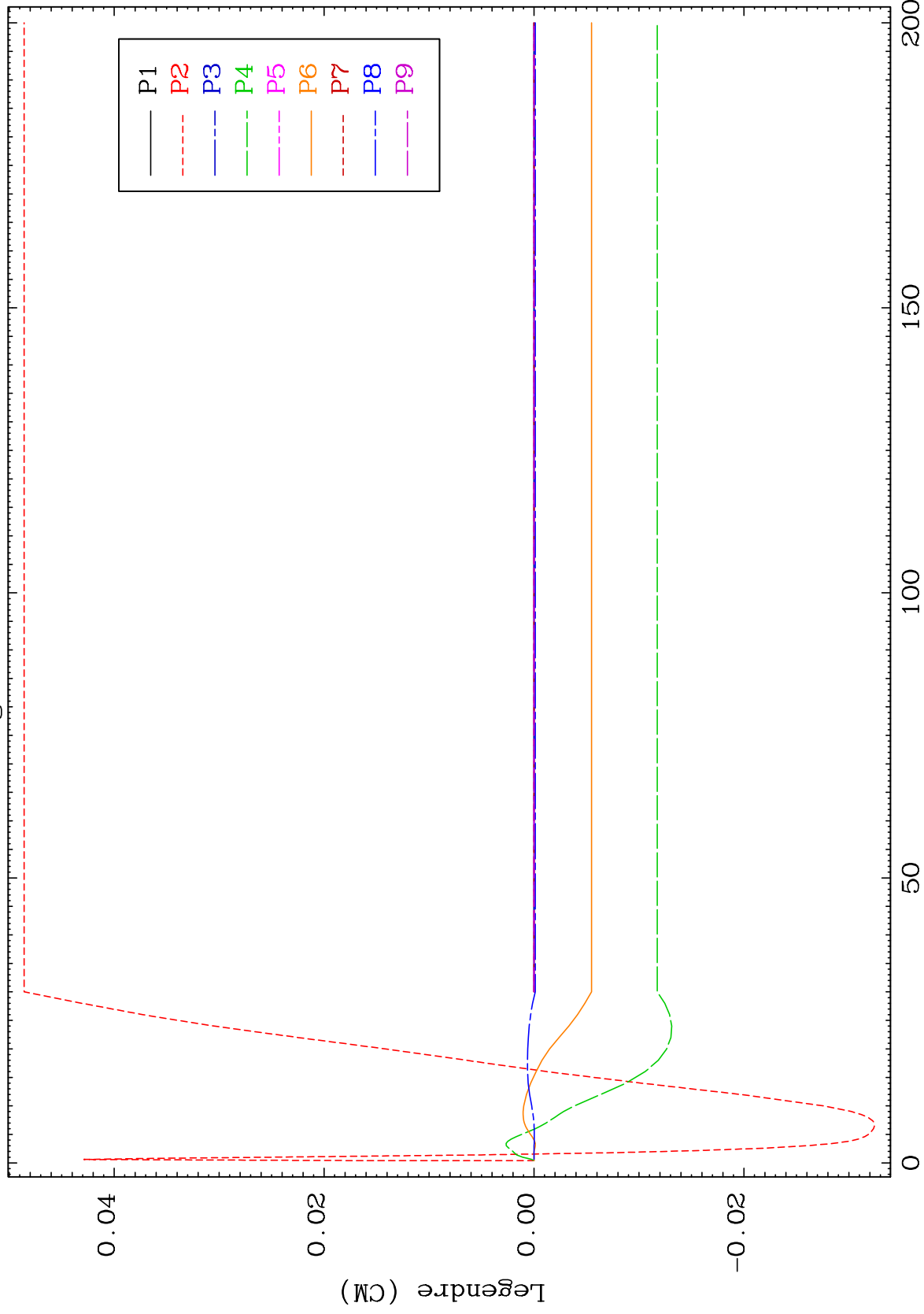
64-Gd-153



MAT 6428

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

64-Gd-153



64-Gd-153

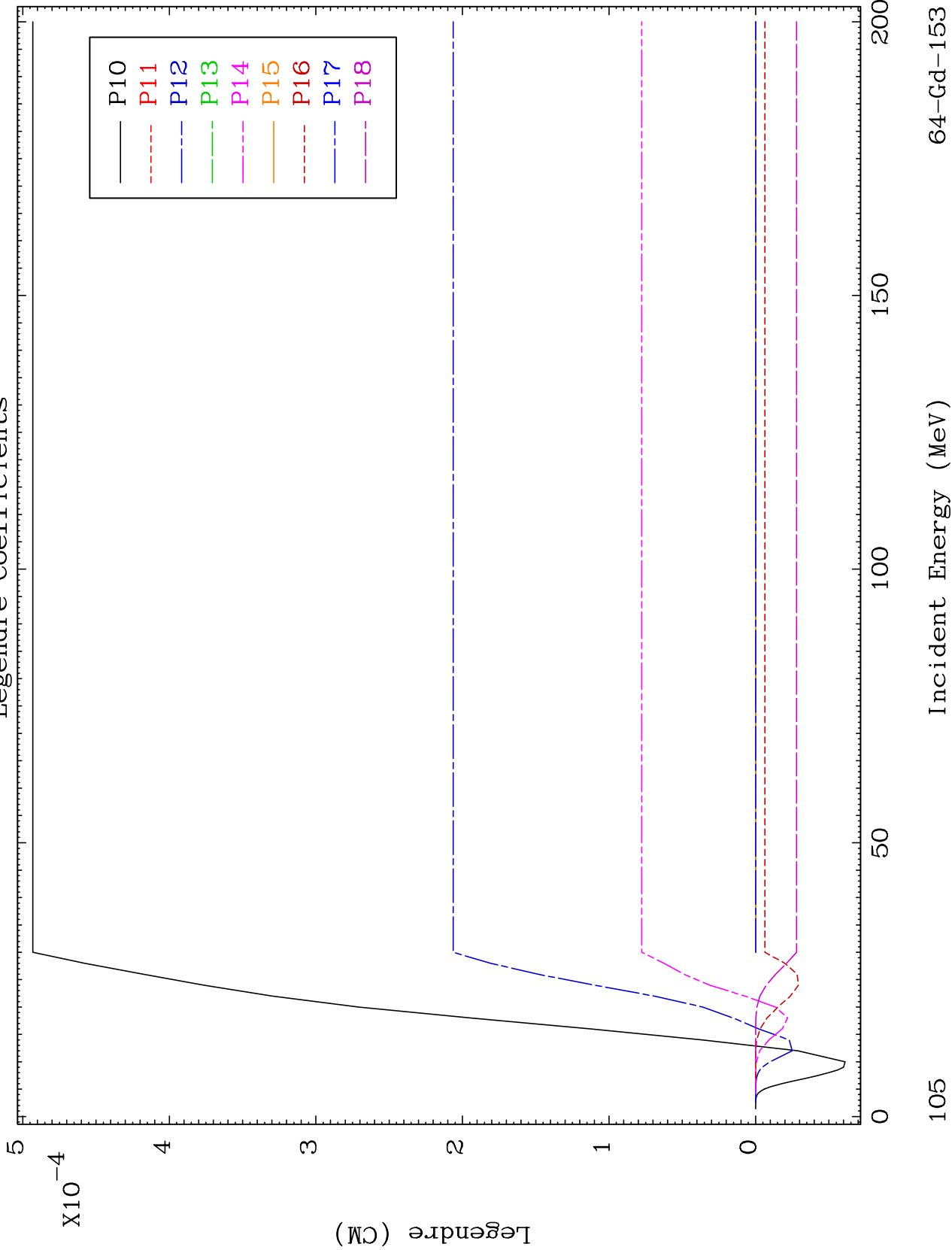
Incident Energy (MeV)

104

MAT 6428

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

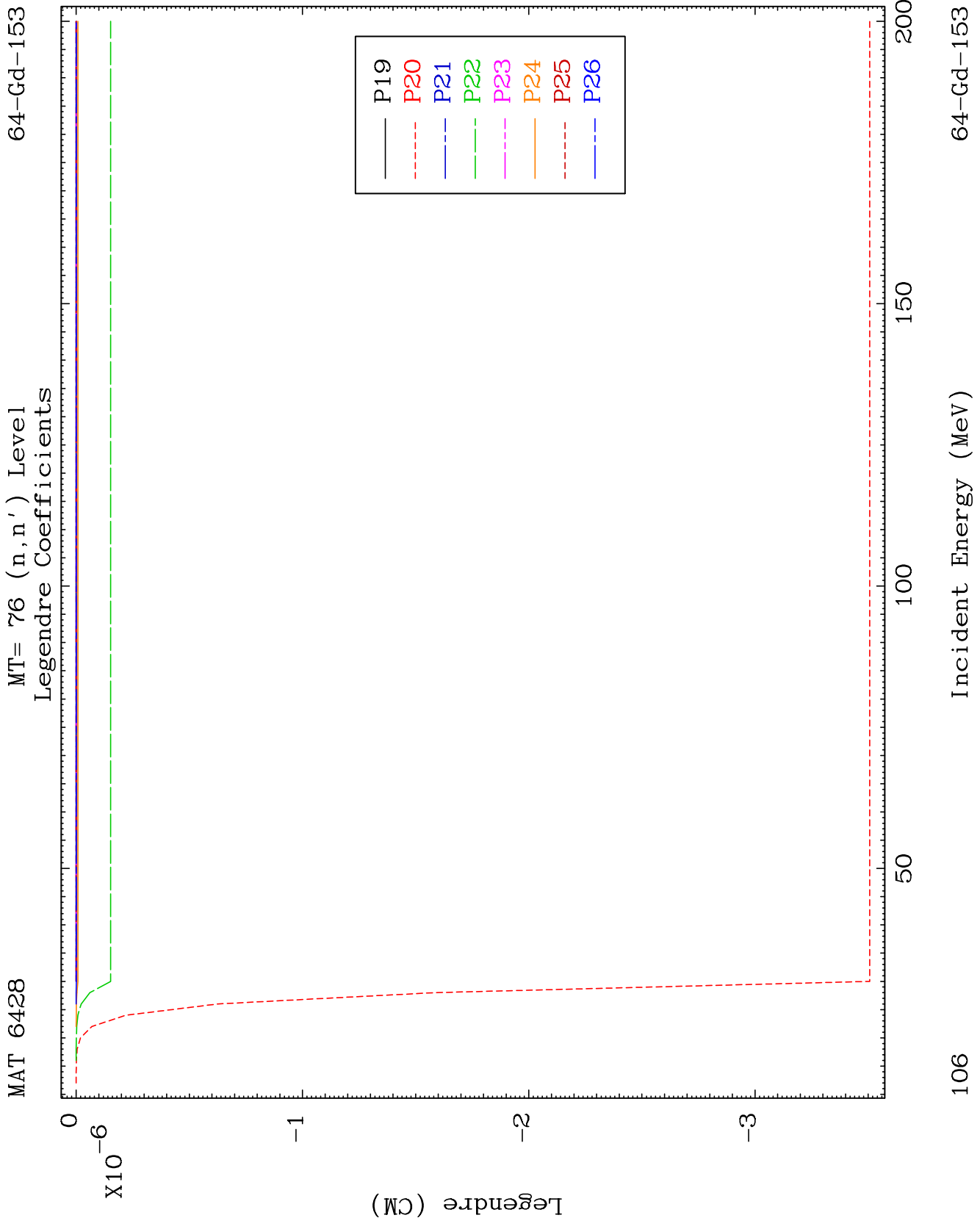
64-Gd-153



64-Gd-153

Incident Energy (MeV)

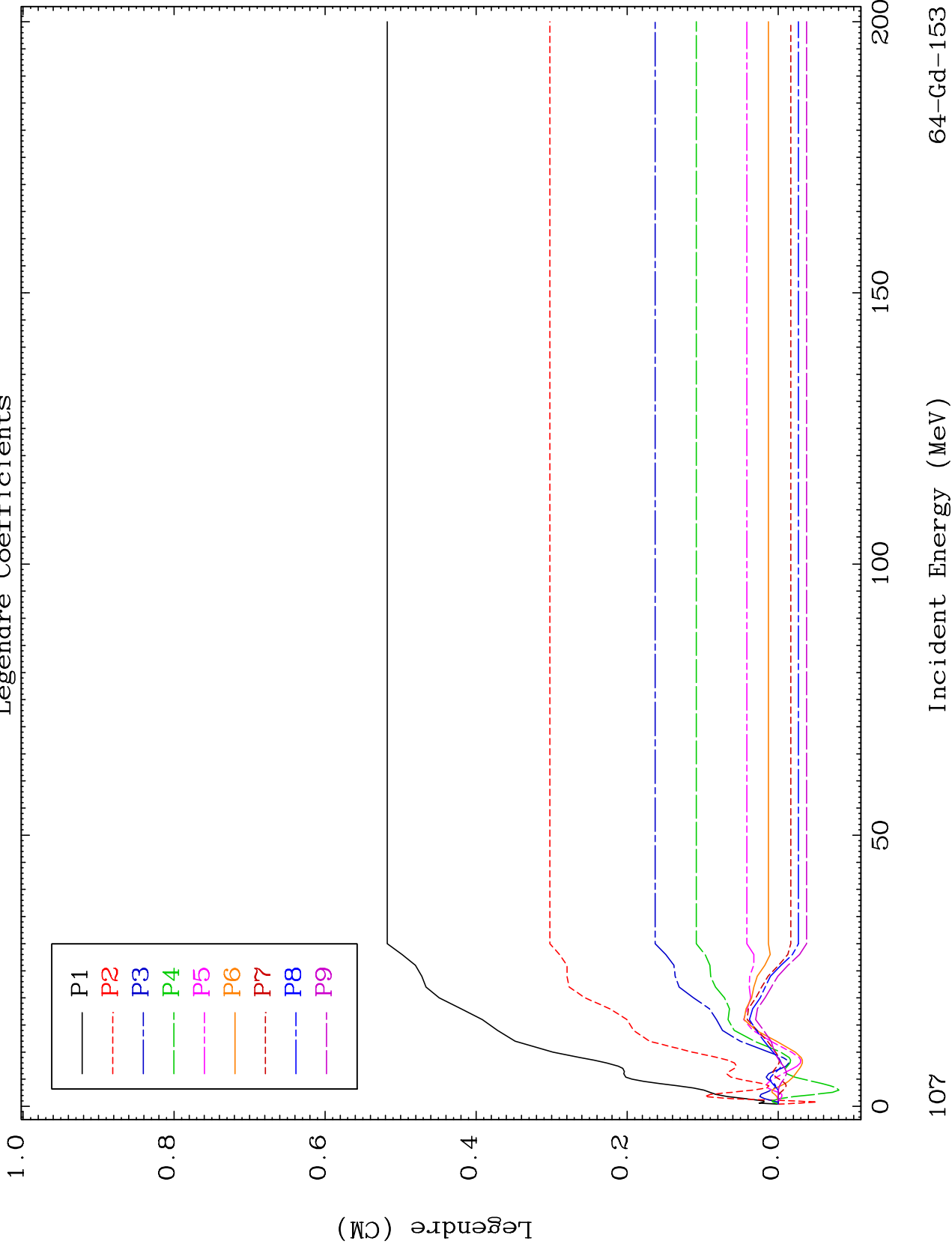
105



MAT 6428

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

64-Gd-153



64-Gd-153

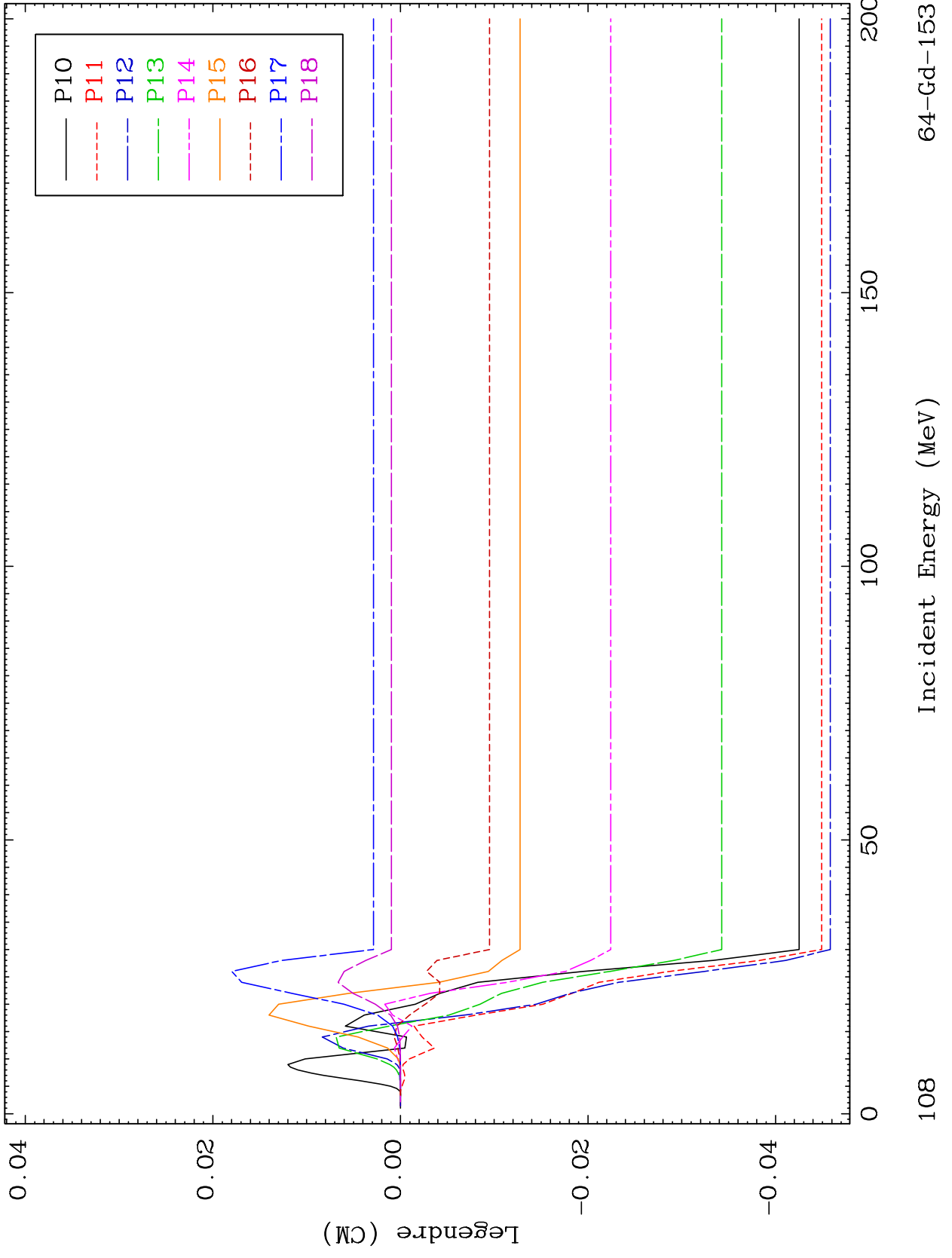
Incident Energy (MeV)

107

MAT 6428

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

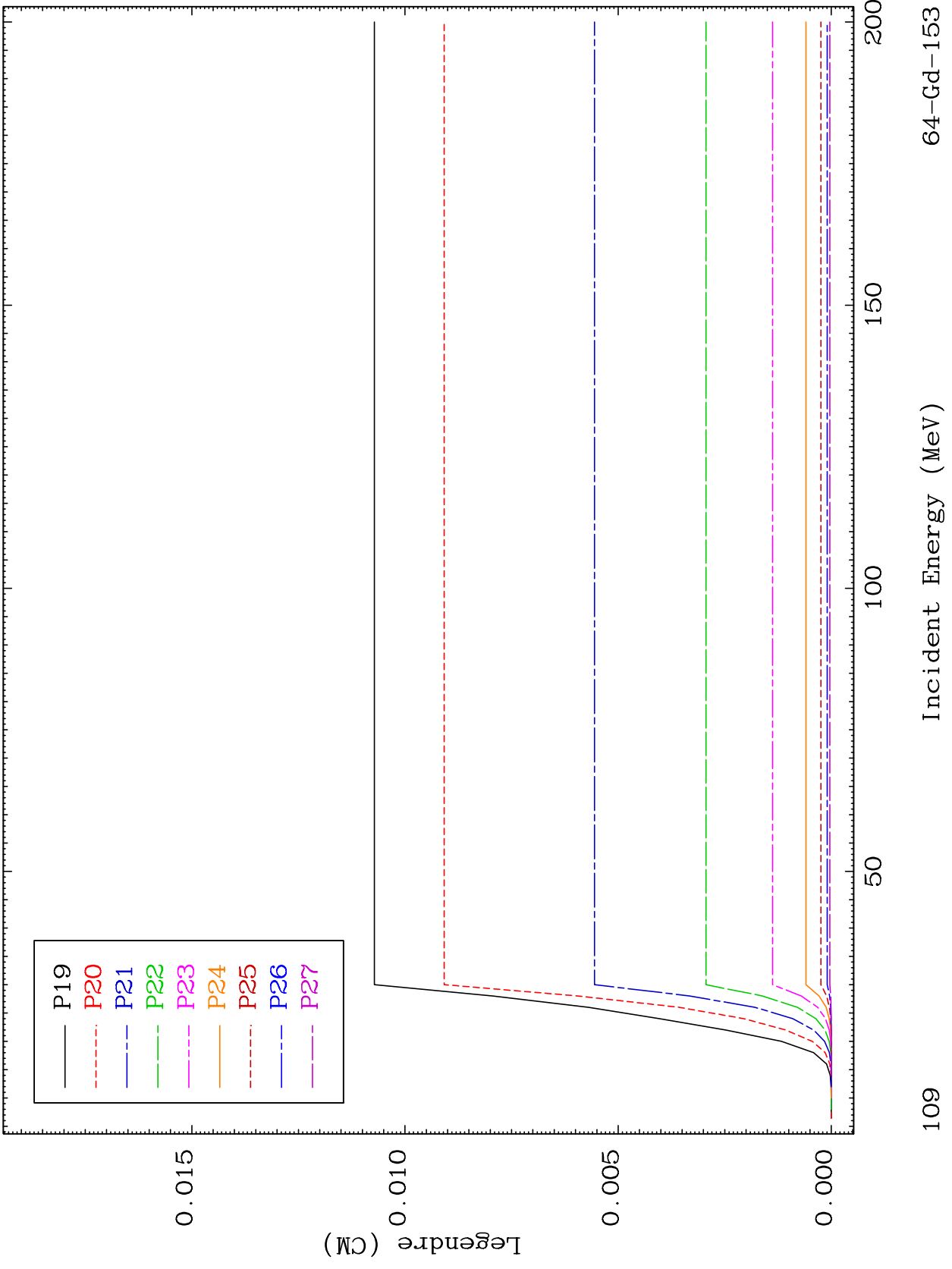
64-Gd-153



MAT 6428

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

64-Gd-153



109

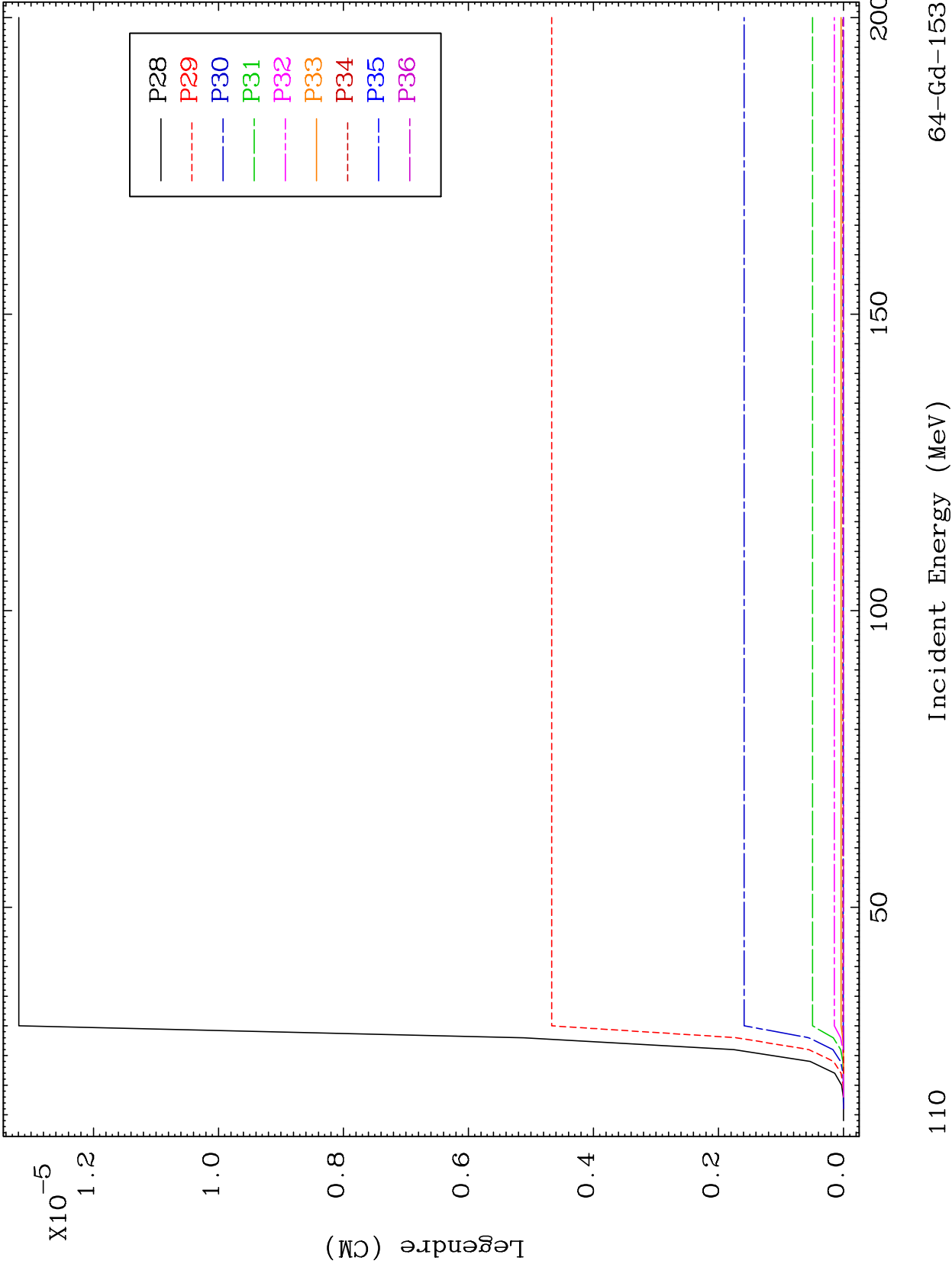
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



110

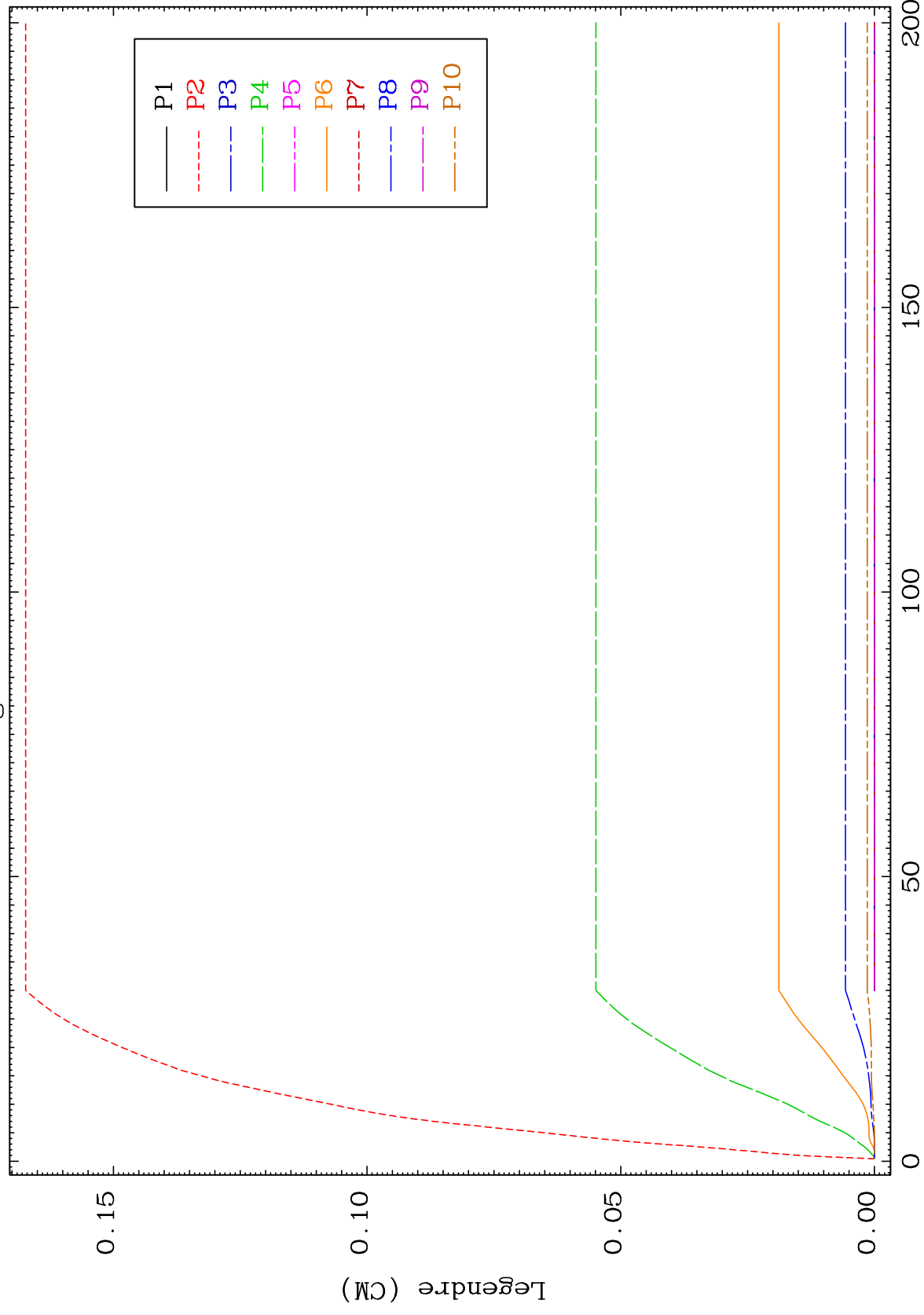
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



111

Incident Energy (MeV)

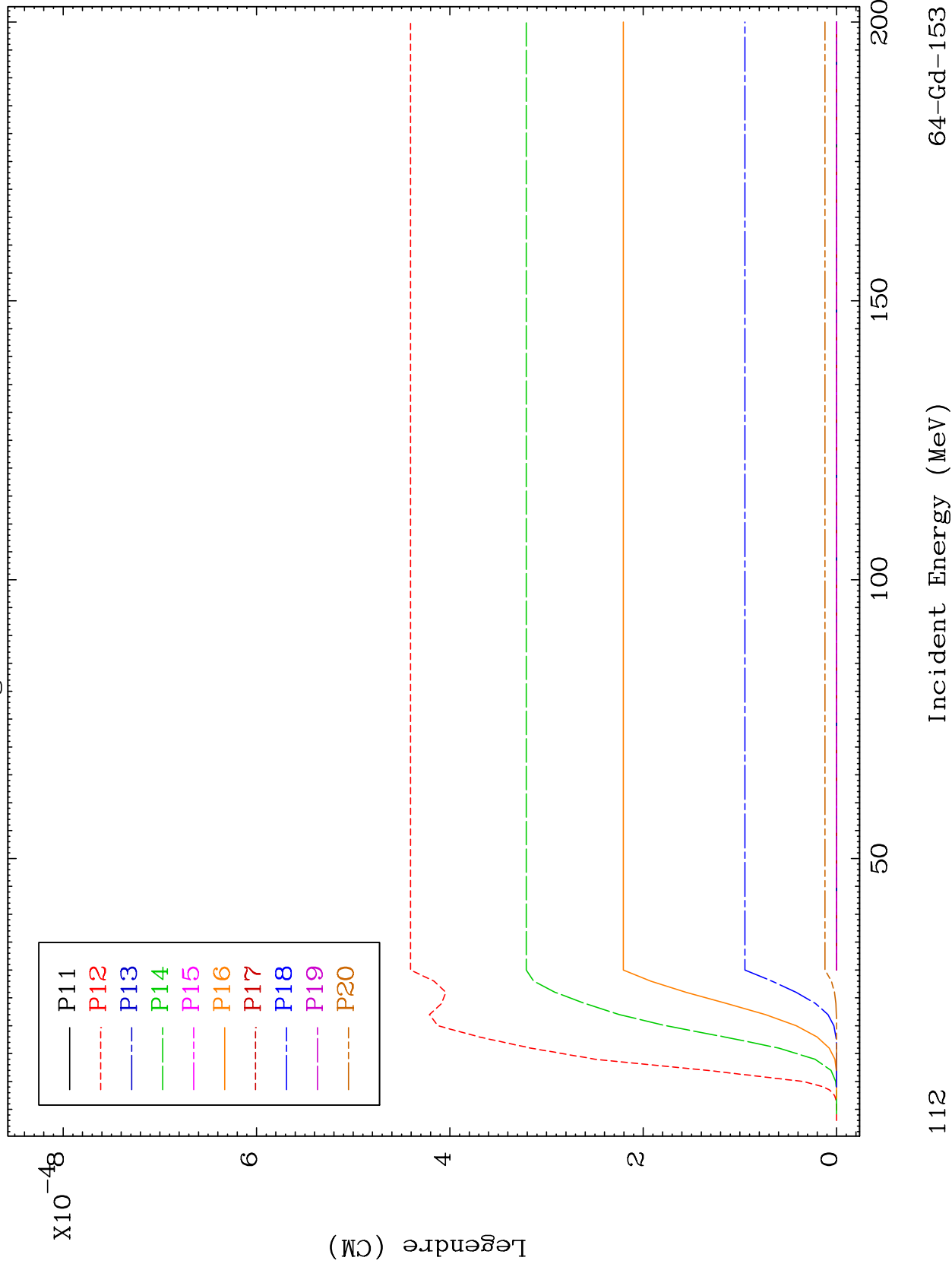
64-Gd-153



MAT 6428

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

64-Gd-153



112

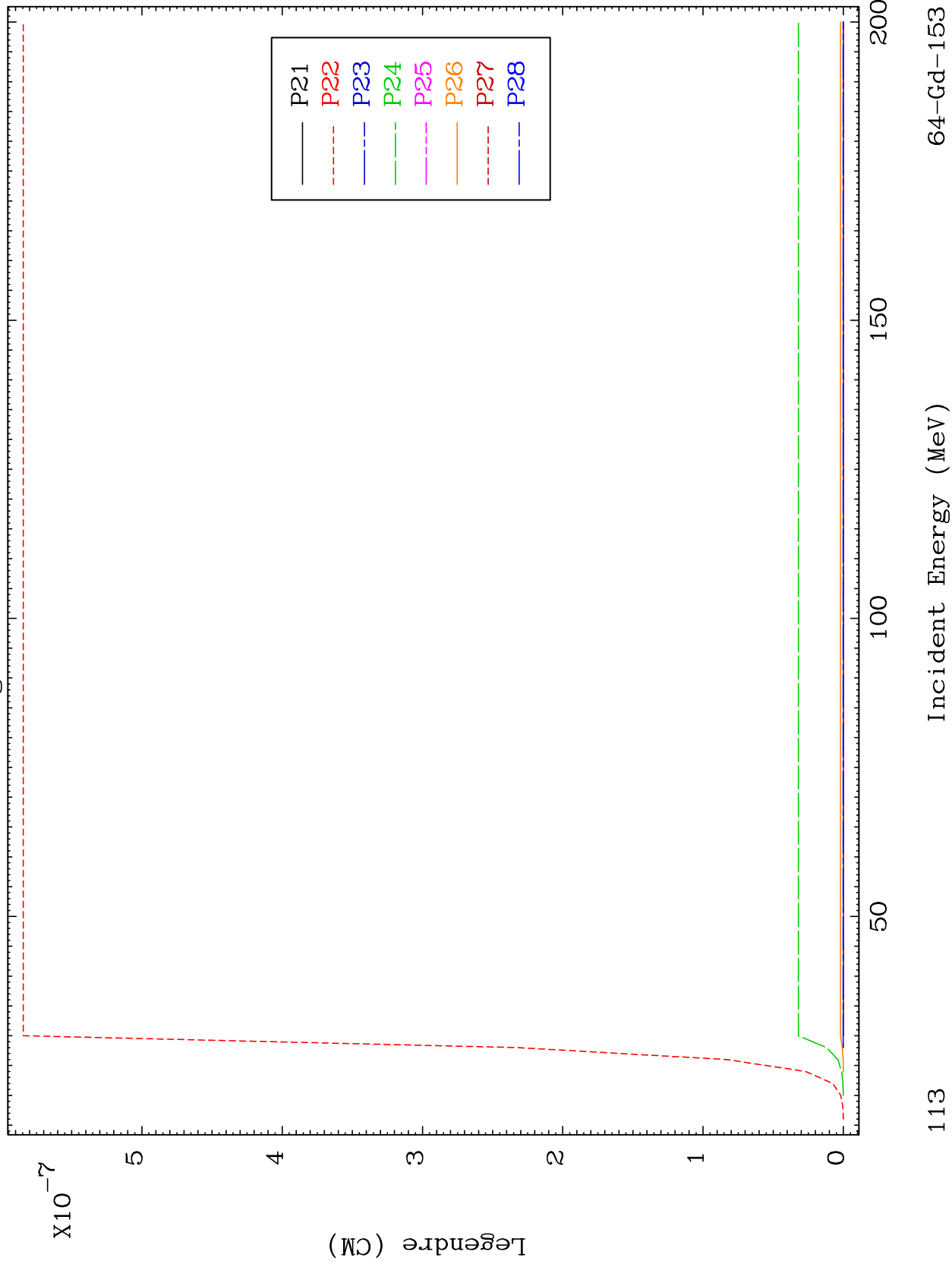
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153

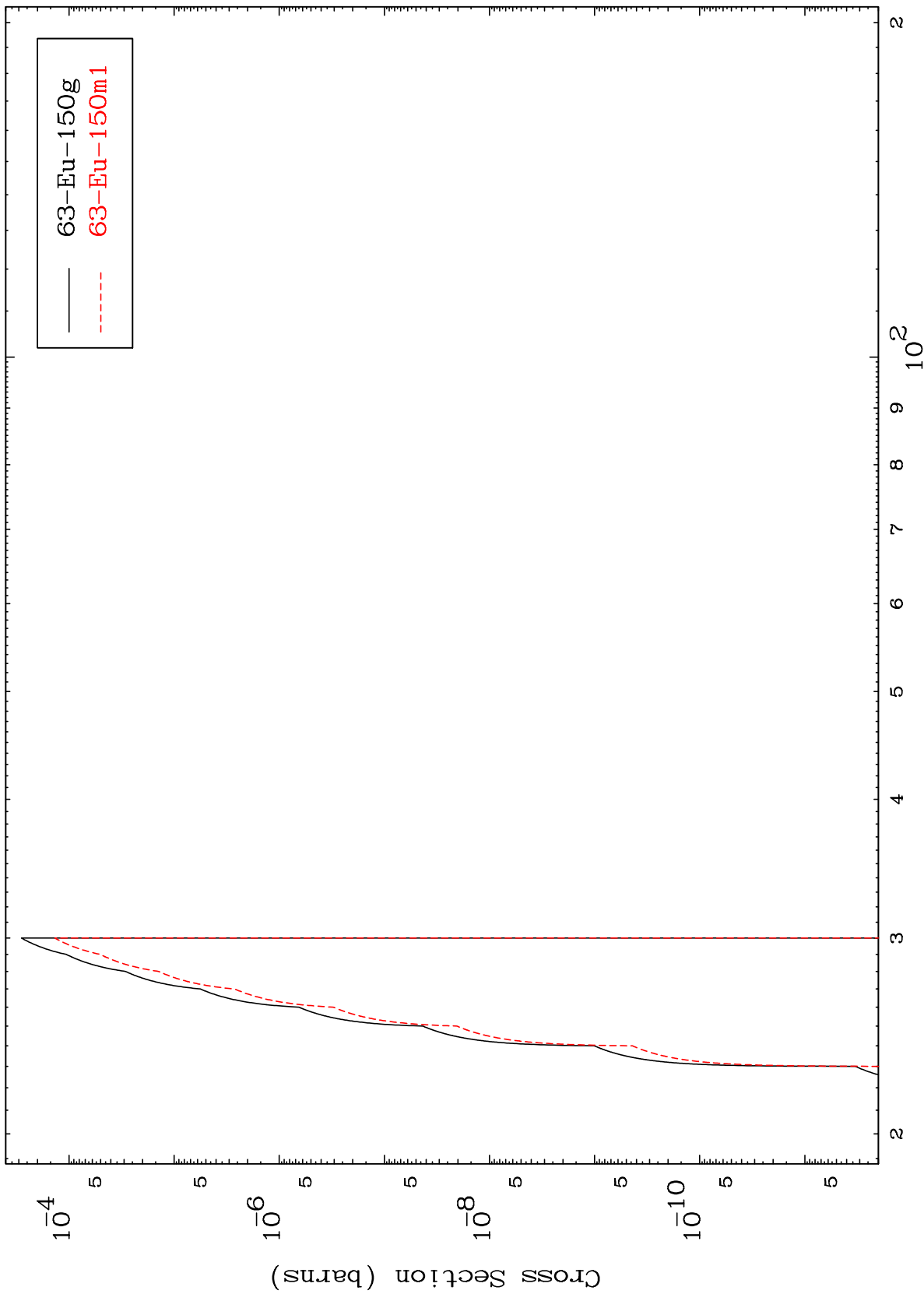


MAT 6428

(n,2n) d

64-Gd-153

Radionuclide Production Cross Section



114

Incident Energy (MeV)

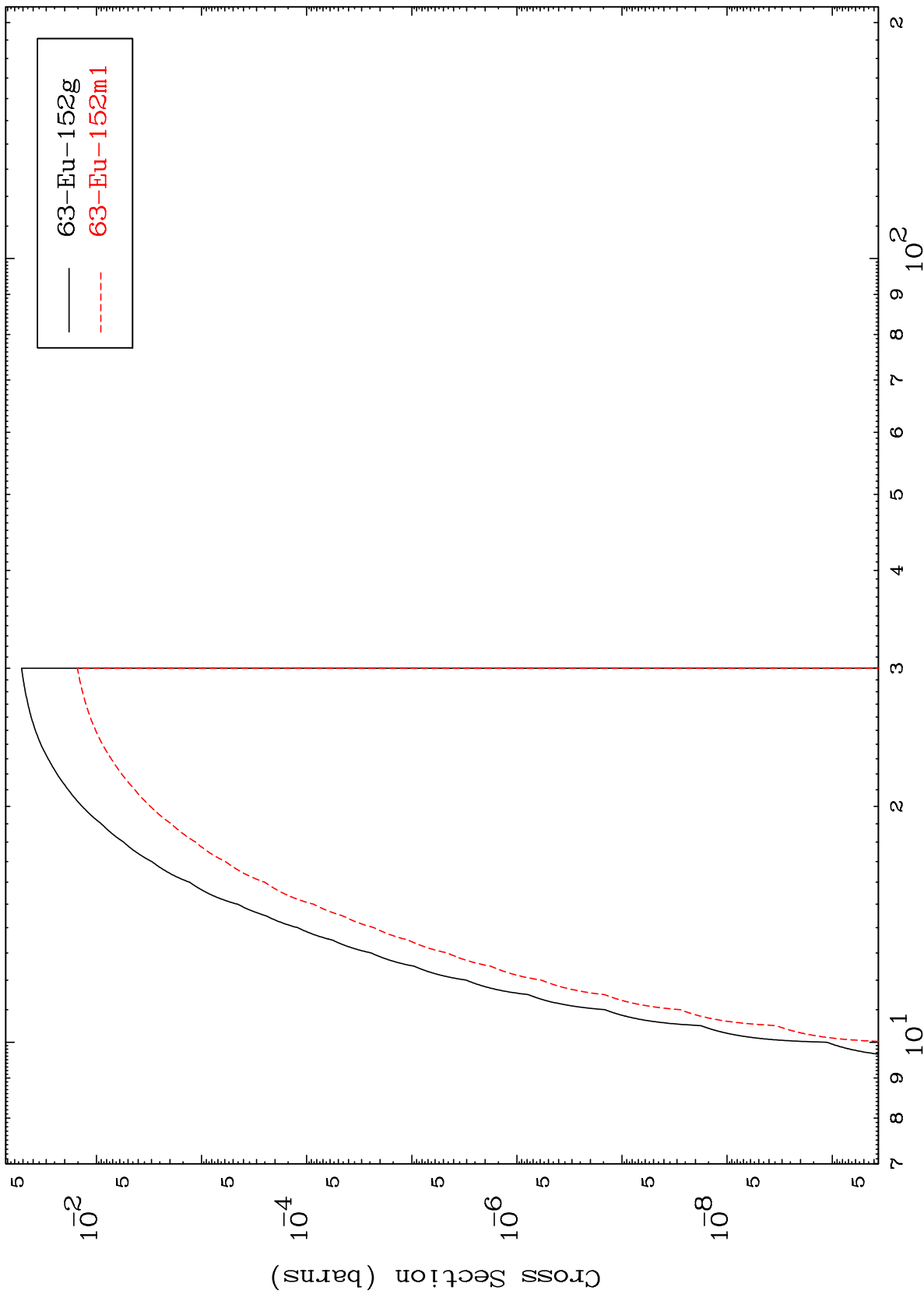
64-Gd-153

MAT 6428

(n,n') p

64-Gd-153

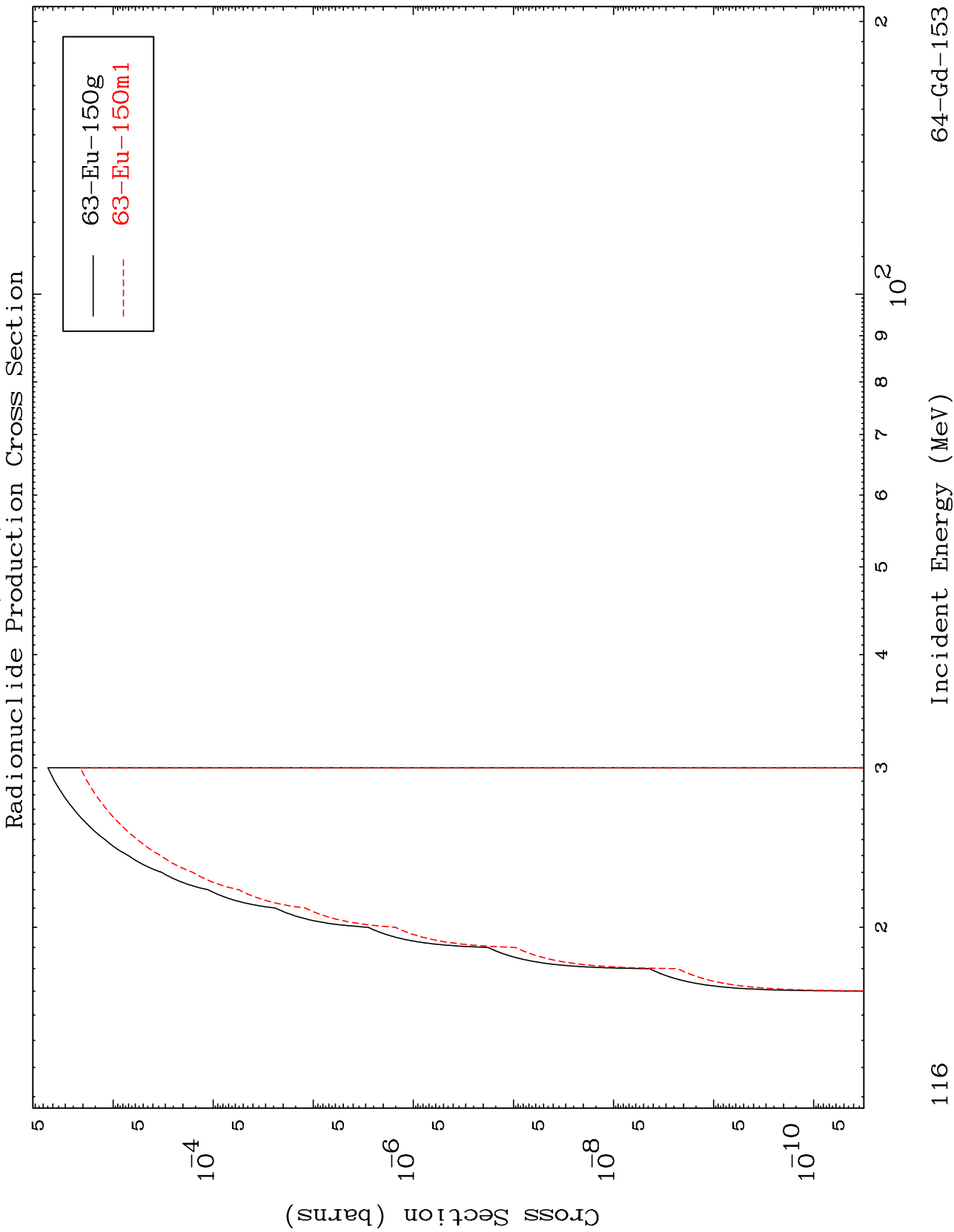
Radionuclide Production Cross Section



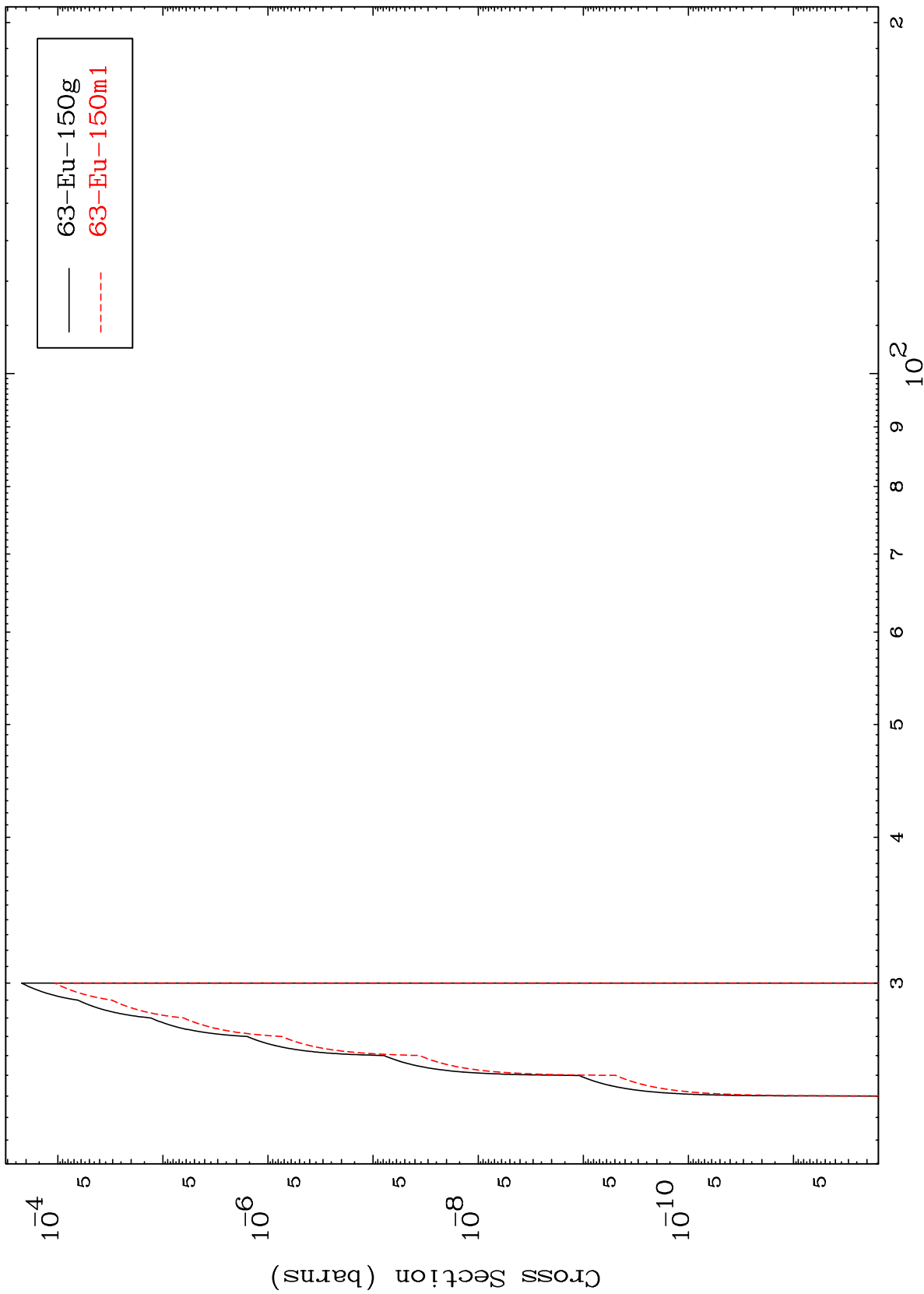
115

Incident Energy (MeV)

64-Gd-153



Radionuclide Production Cross Section

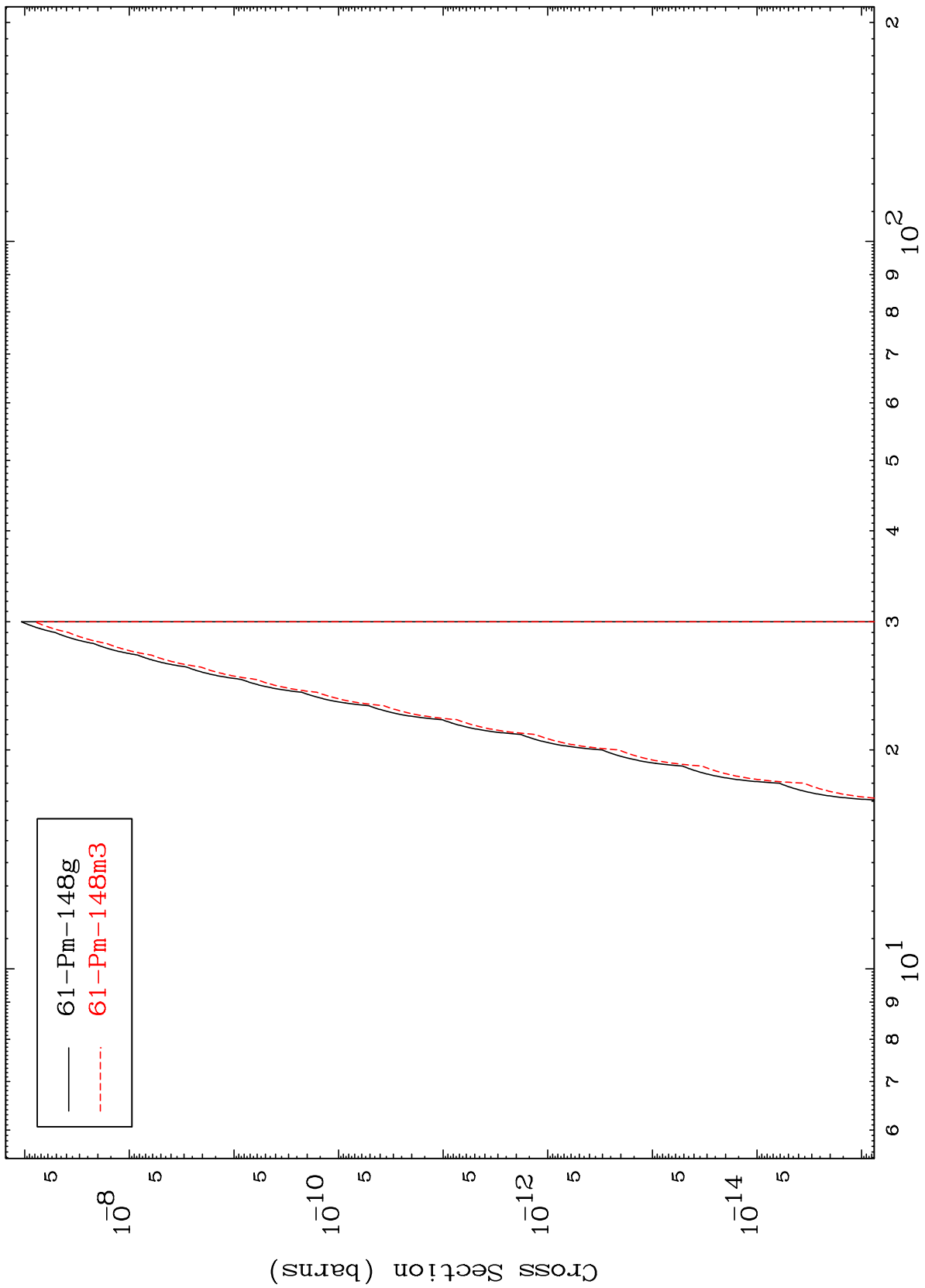


MAT 6428

(n,n') p  $\alpha$

64-Gd-153

Radionuclide Production Cross Section



118

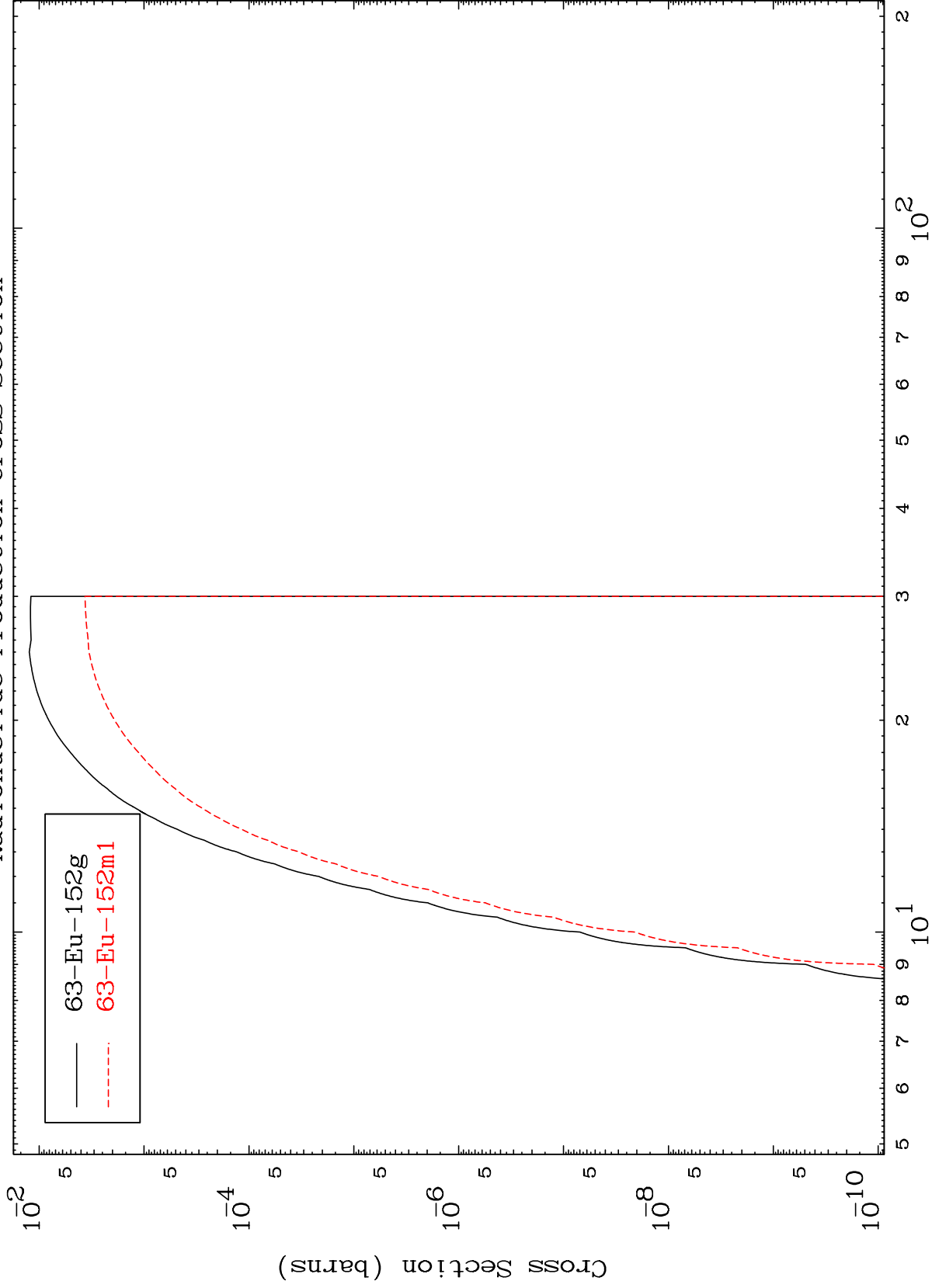
Incident Energy (MeV)

64-Gd-153

MAT 6428

64-Gd-153

(n,d)  
Radionuclide Production Cross Section



64-Gd-153

Incident Energy (MeV)

119

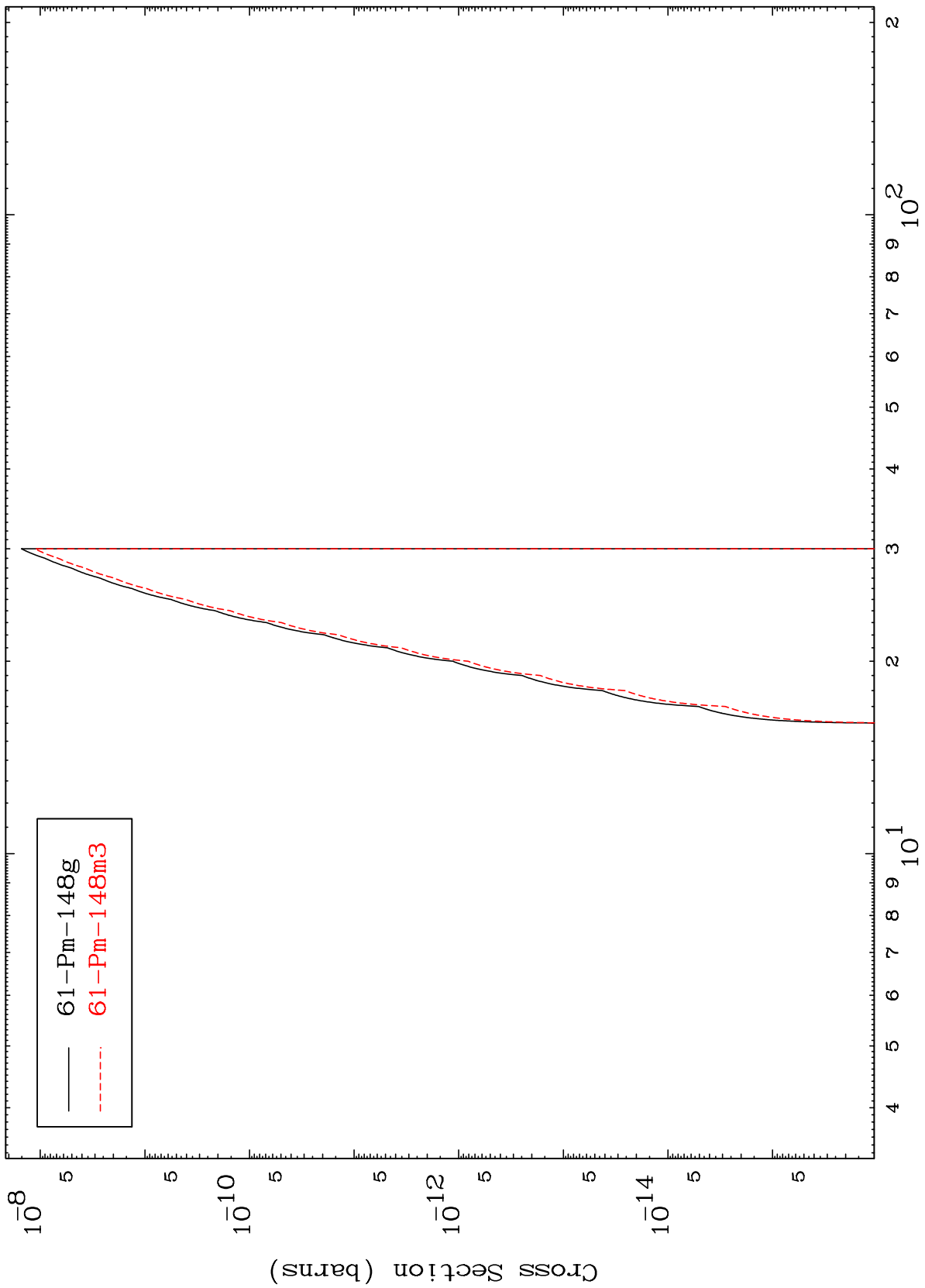


MAT 6428

(n,d)  $\alpha$

64-Gd-153

Radionuclide Production Cross Section



61-Pm-148g  
61-Pm-148m3

120

Incident Energy (MeV)

64-Gd-153