

Program EVALPLOT  
(Version 2018-1)

by

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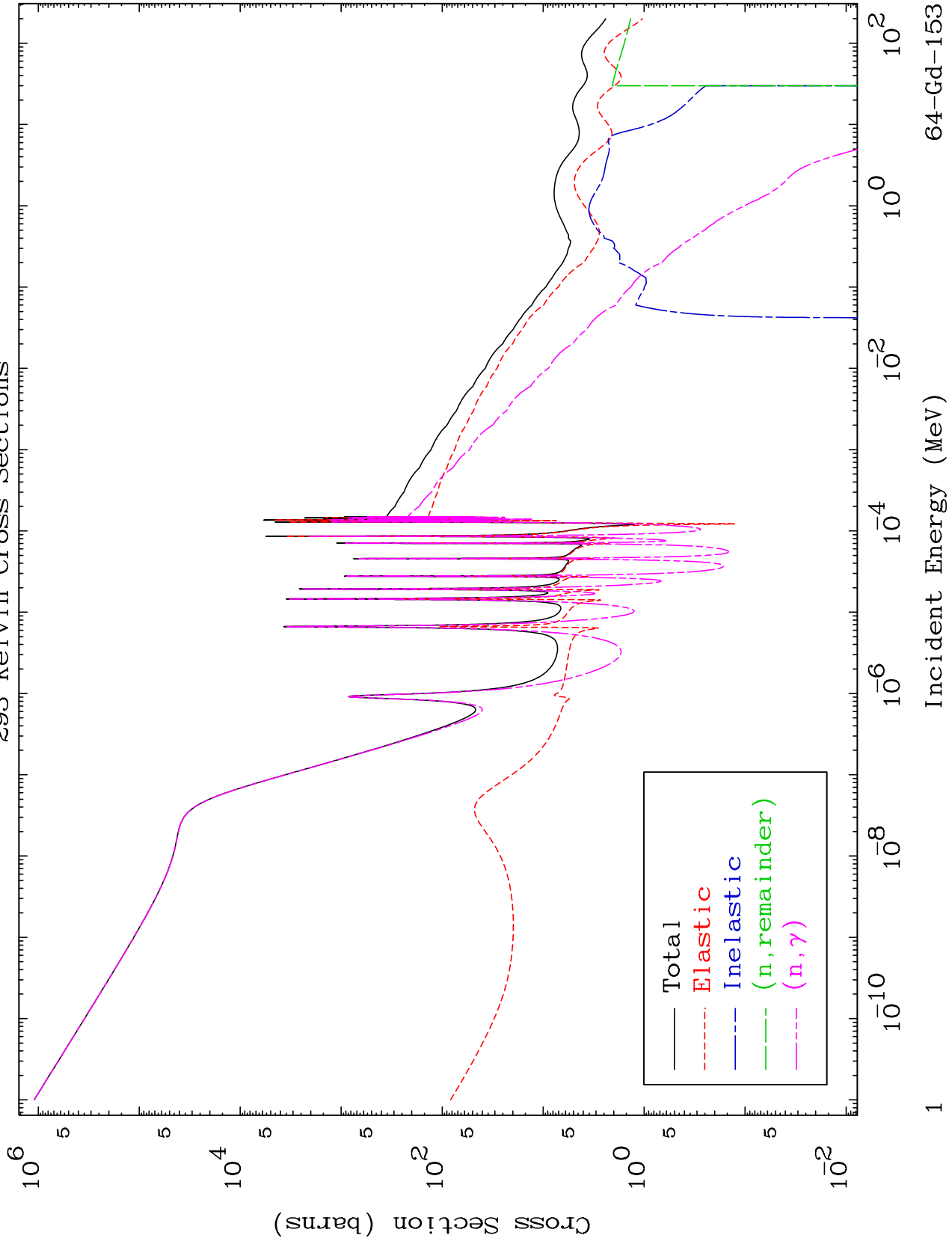
Press Mouse Button to Start

MAT 6428

Major

293 Kelvin Cross Sections

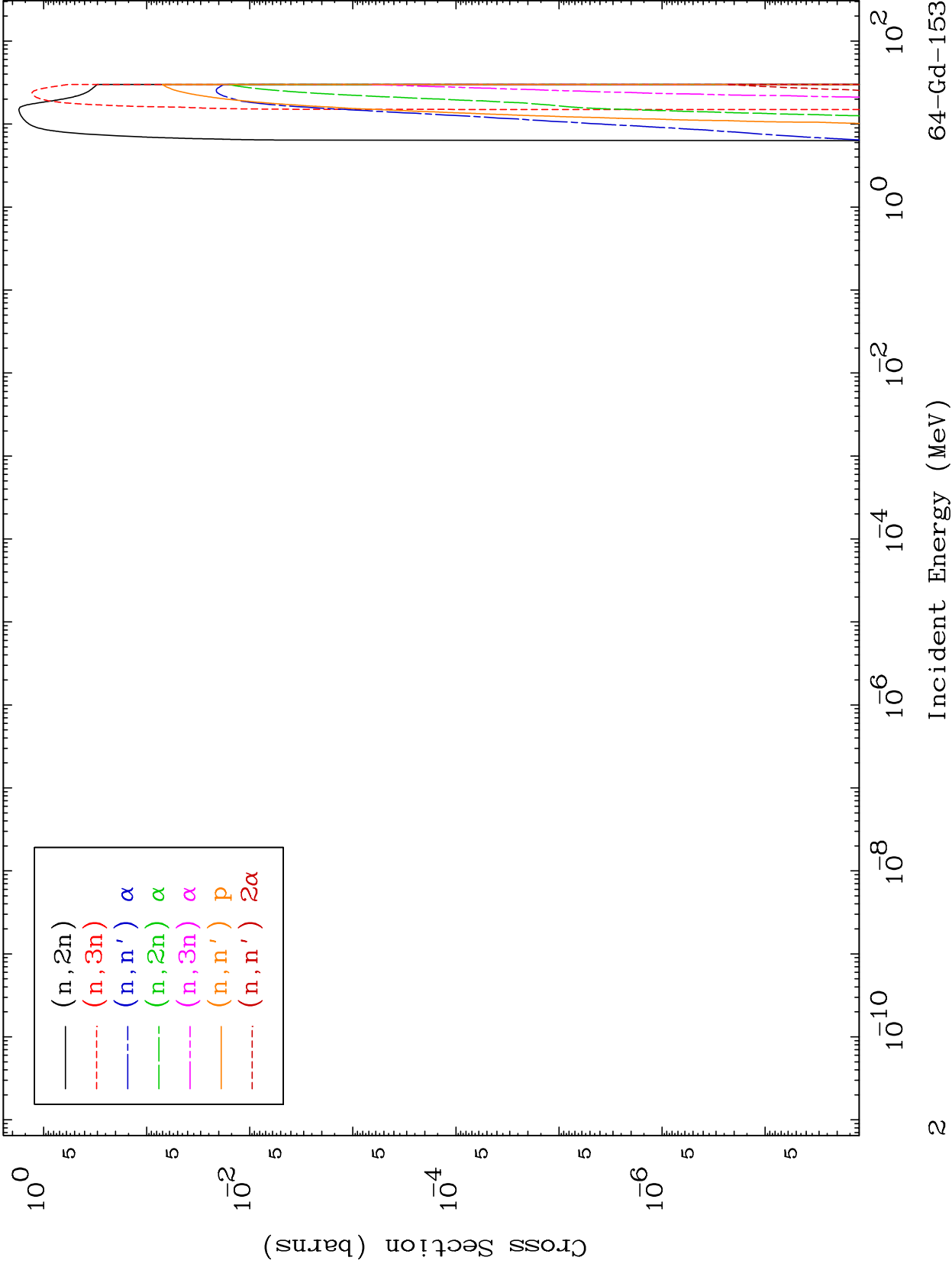
64-Gd-153

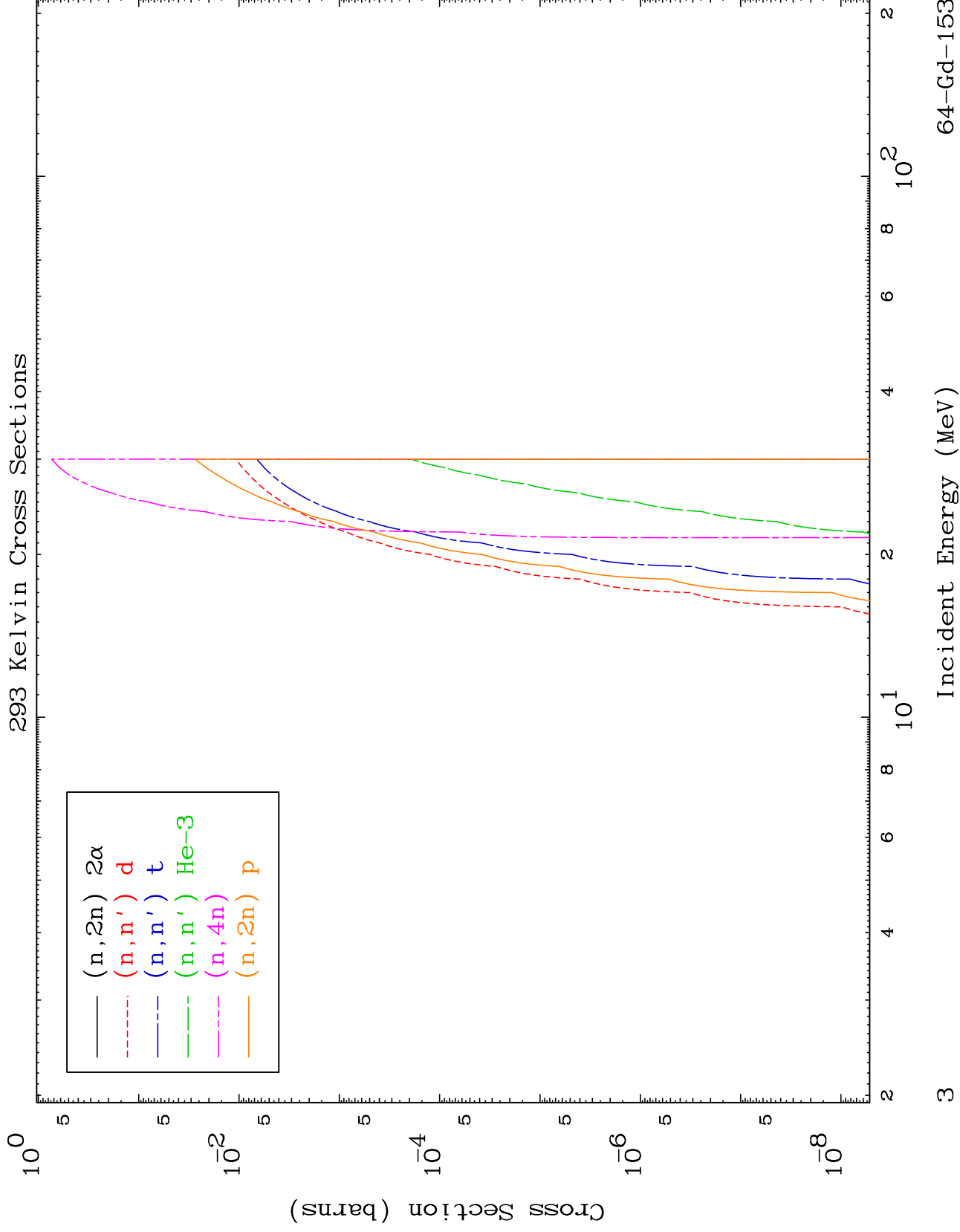


MAT 6428

Neutron Production  
293 Kelvin Cross Sections

64-Gd-153

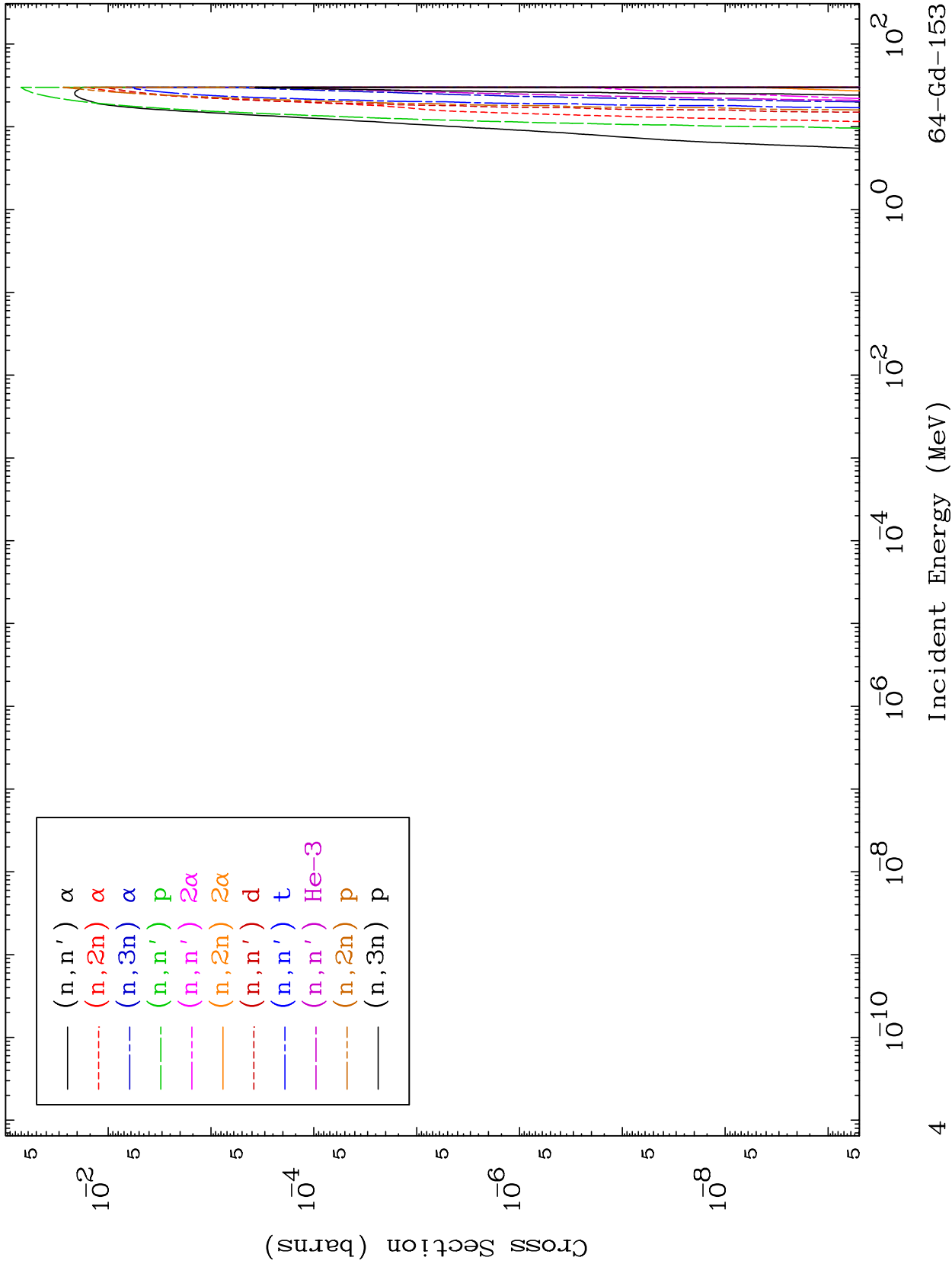




MAT 6428

Charged Particle  
293 Kelvin Cross Sections

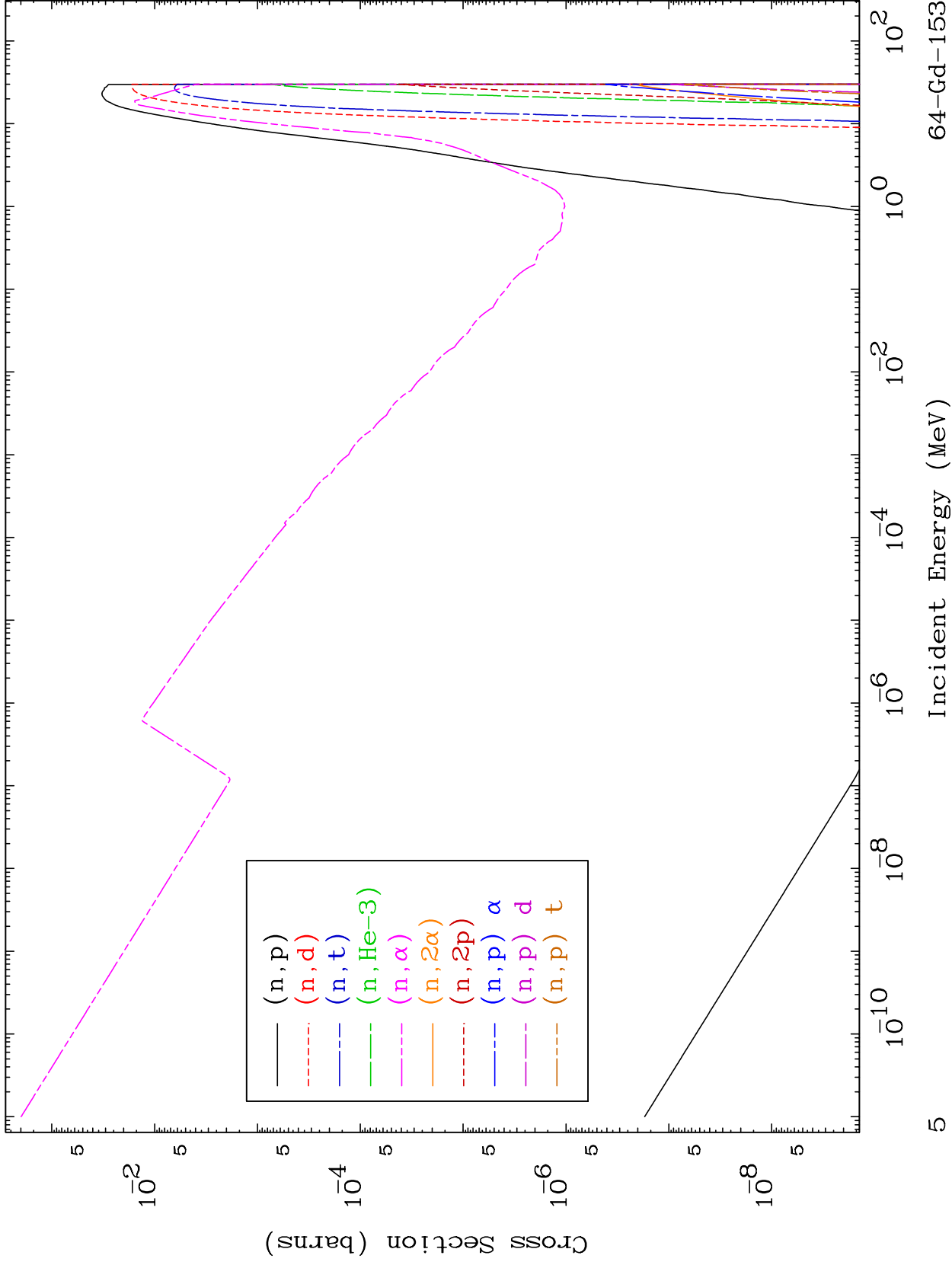
64-Gd-153



MAT 6428

Charged Particle  
293 Kelvin Cross Sections

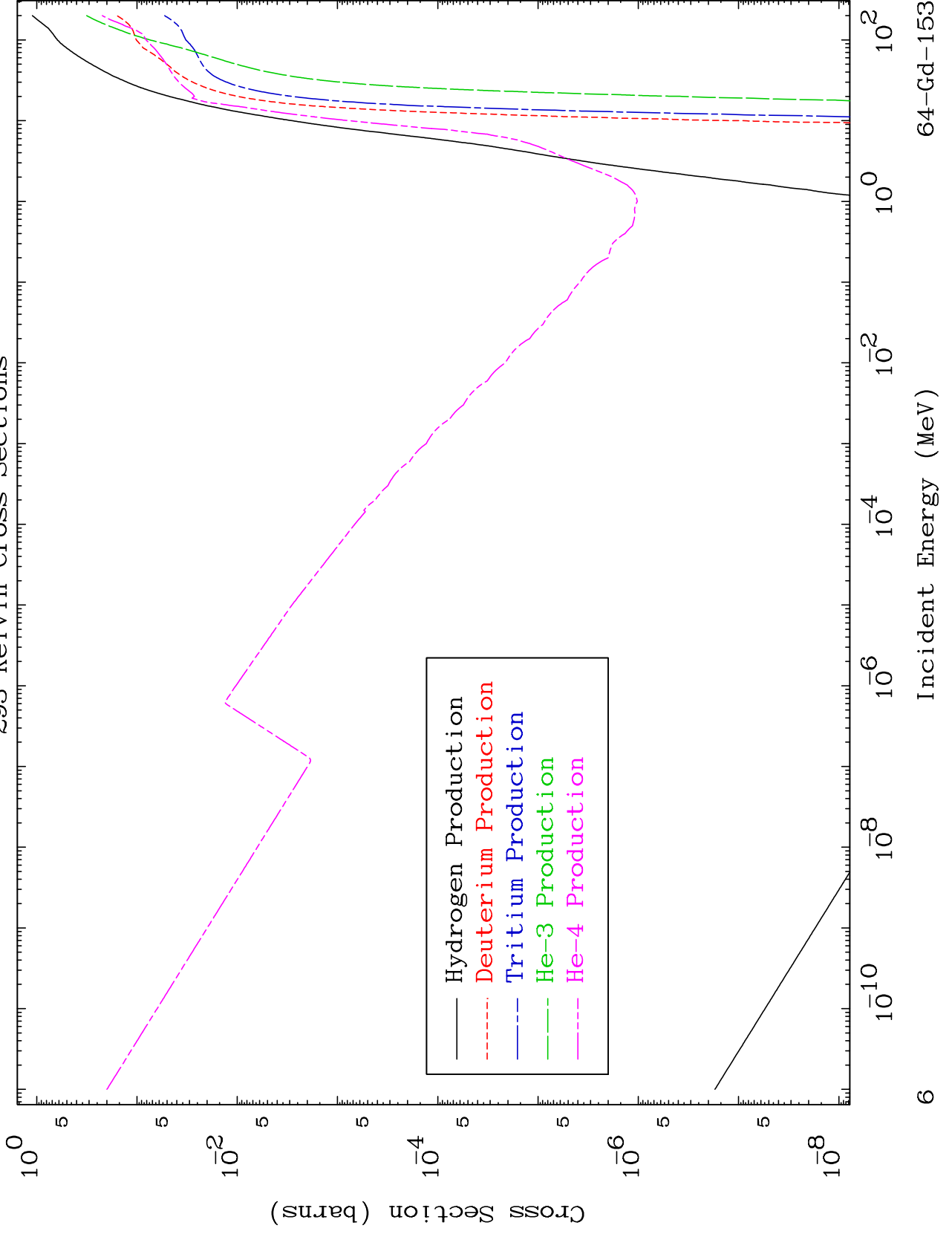
64-Gd-153



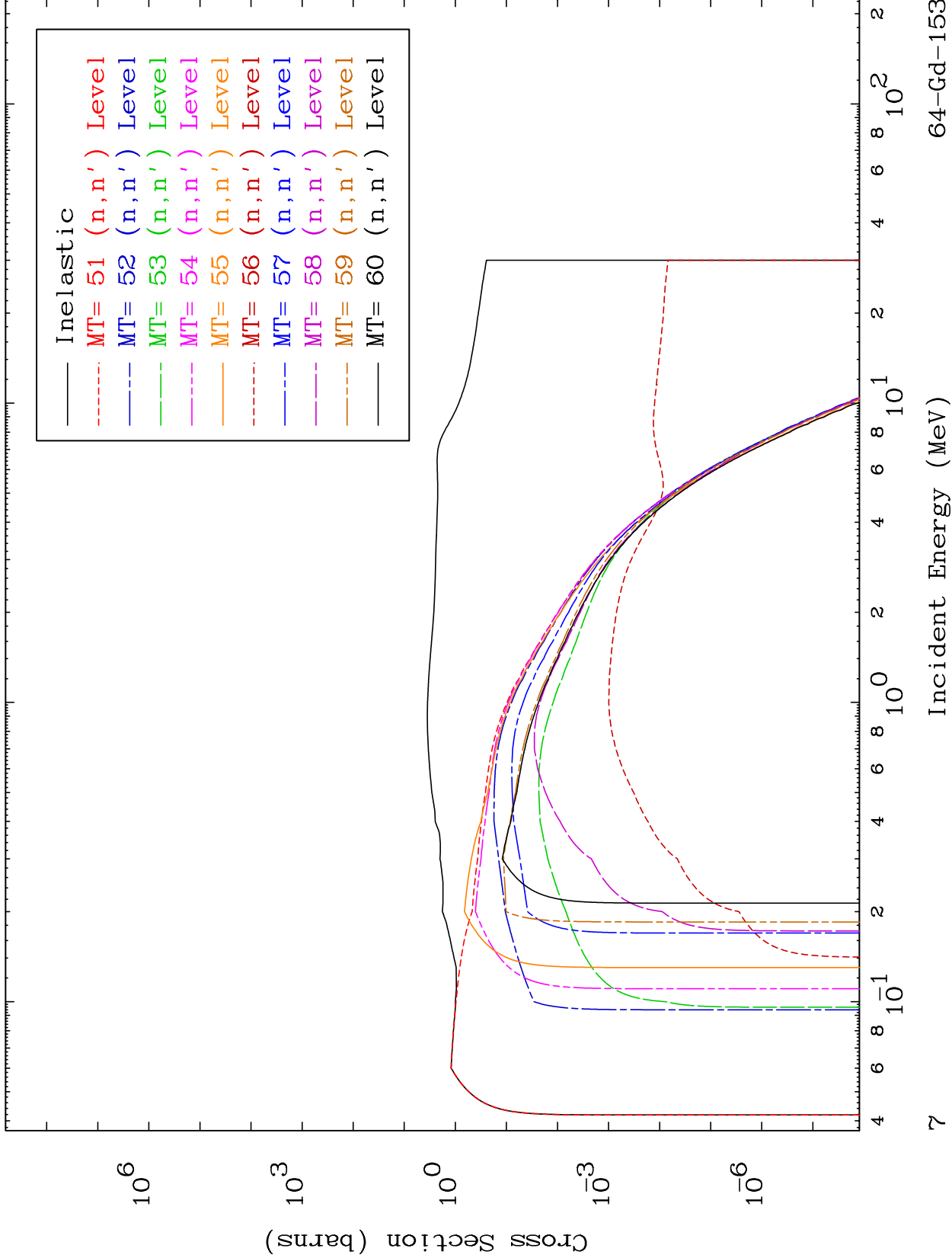
MAT 6428

Particle Production  
293 Kelvin Cross Sections

64-Gd-153



293 Kelvin Cross Sections





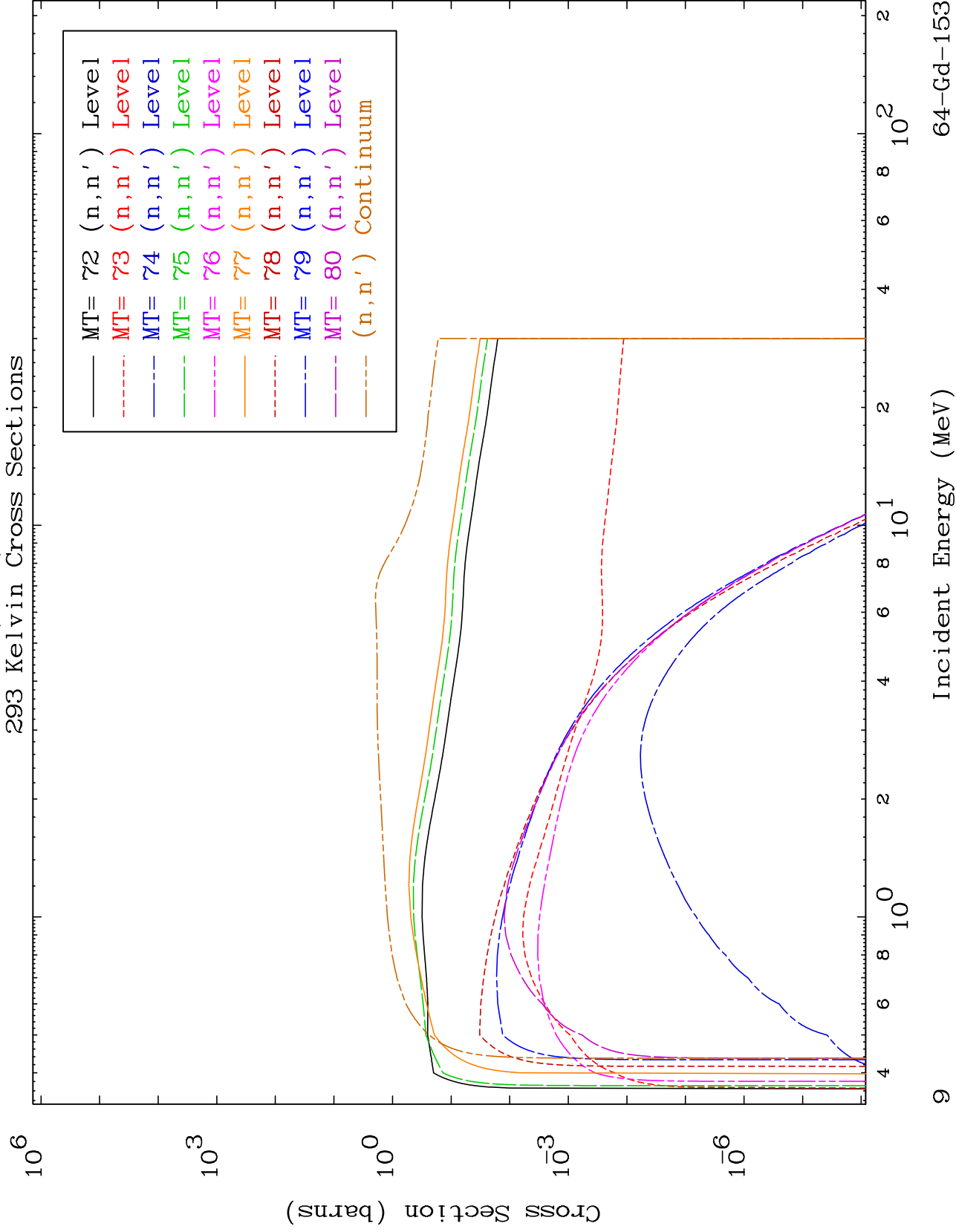


MAT 6428

(n,n') Level

64-Gd-153

293 Kelvin Cross Sections



9

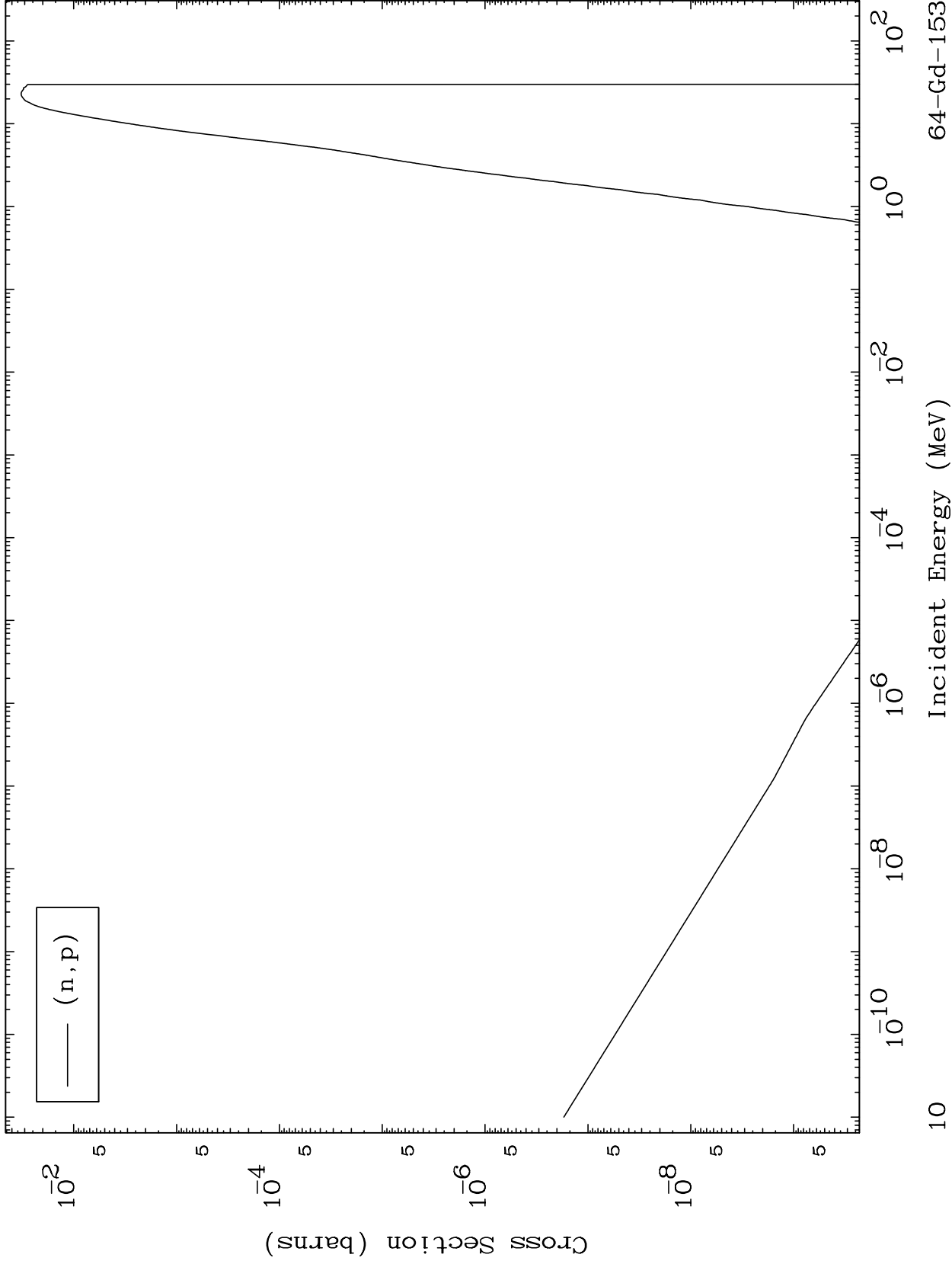
Incident Energy (MeV)

64-Gd-153

MAT 6428

(n,p) Levels  
293 Kelvin Cross Sections

64-Gd-153



10

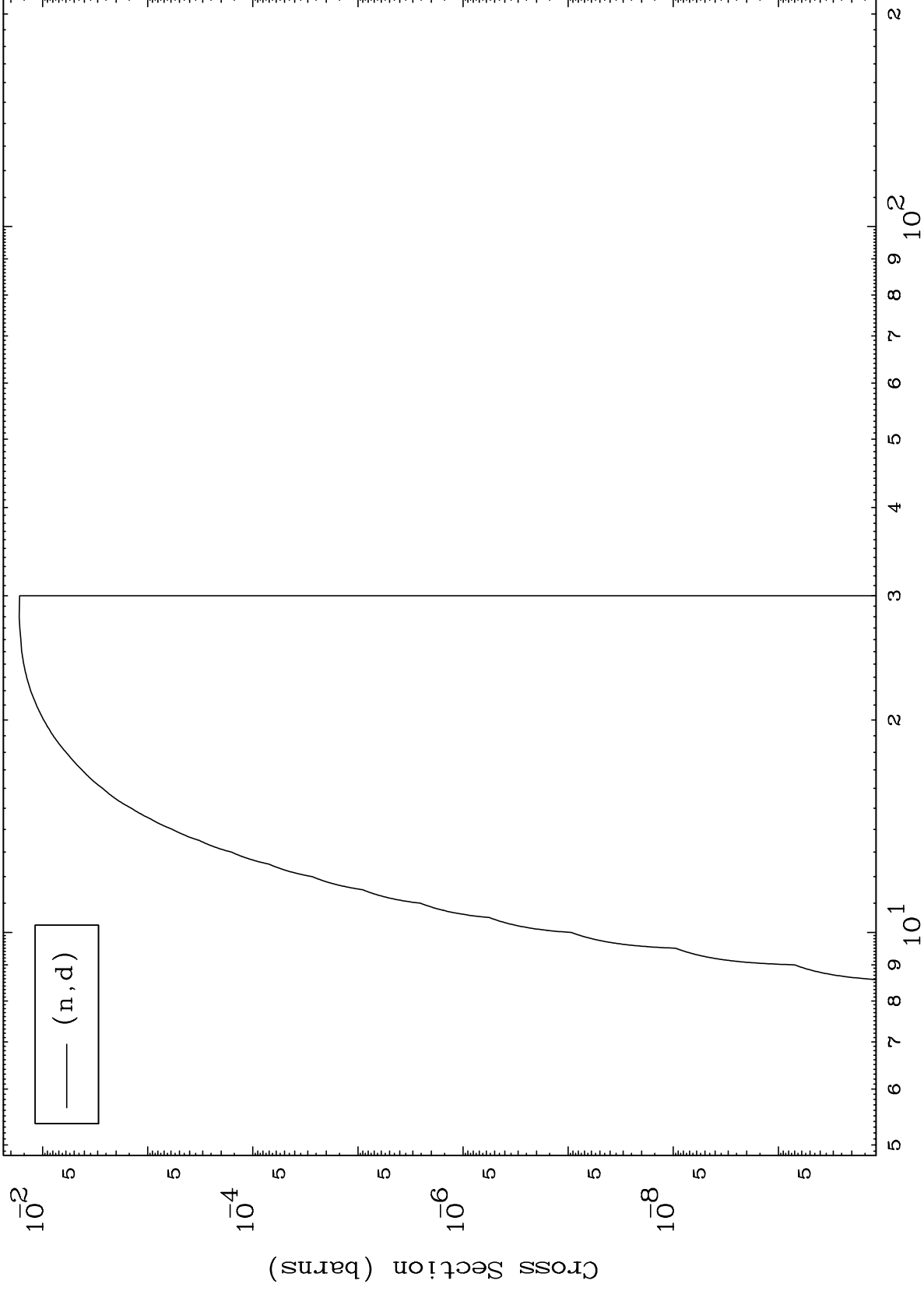
Incident Energy (MeV)

64-Gd-153

MAT 6428

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-153



11

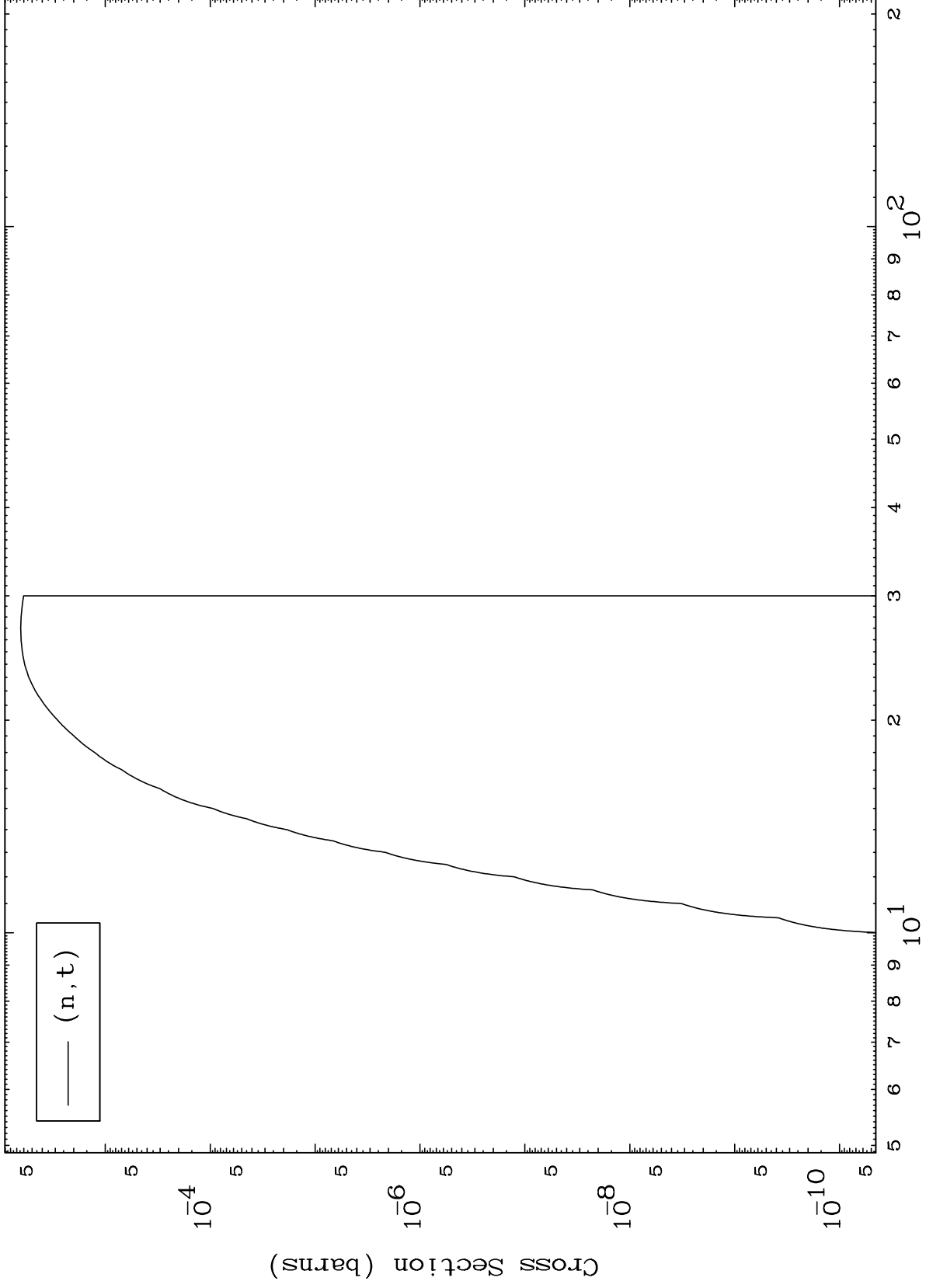
Incident Energy (MeV)

64-Gd-153

MAT 6428

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-153



12

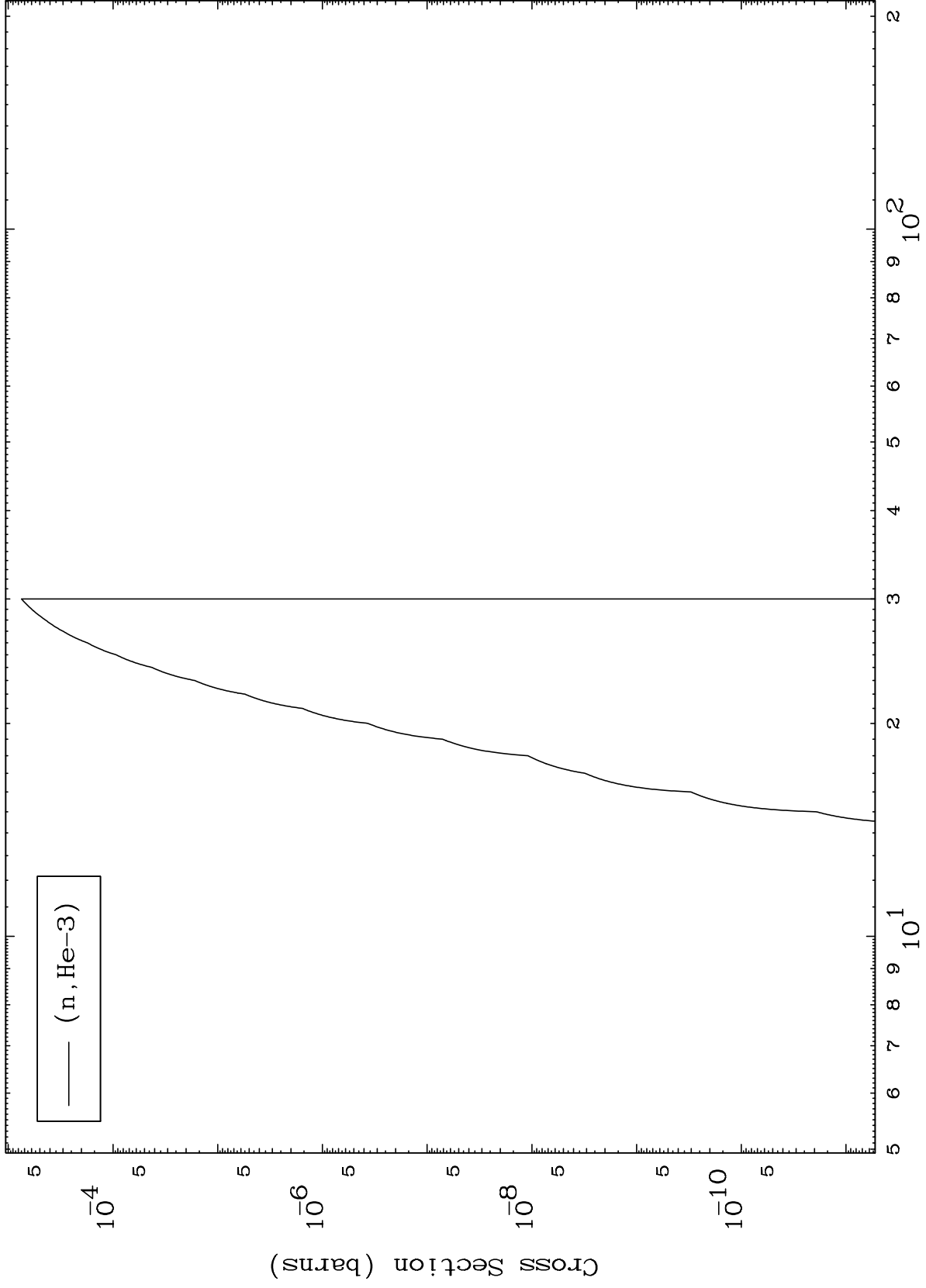
Incident Energy (MeV)

64-Gd-153

MAT 6428

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-153



13

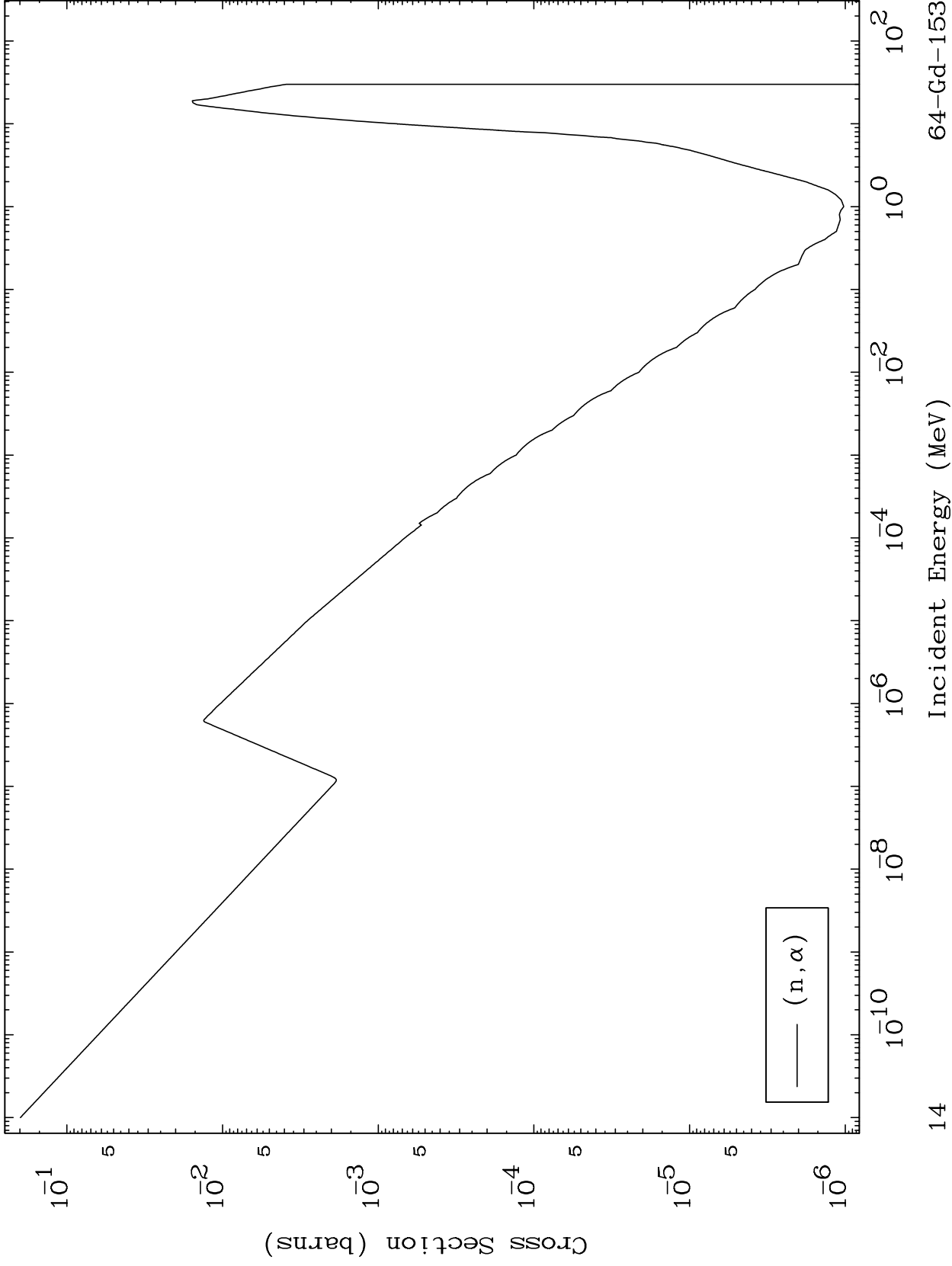
Incident Energy (MeV)

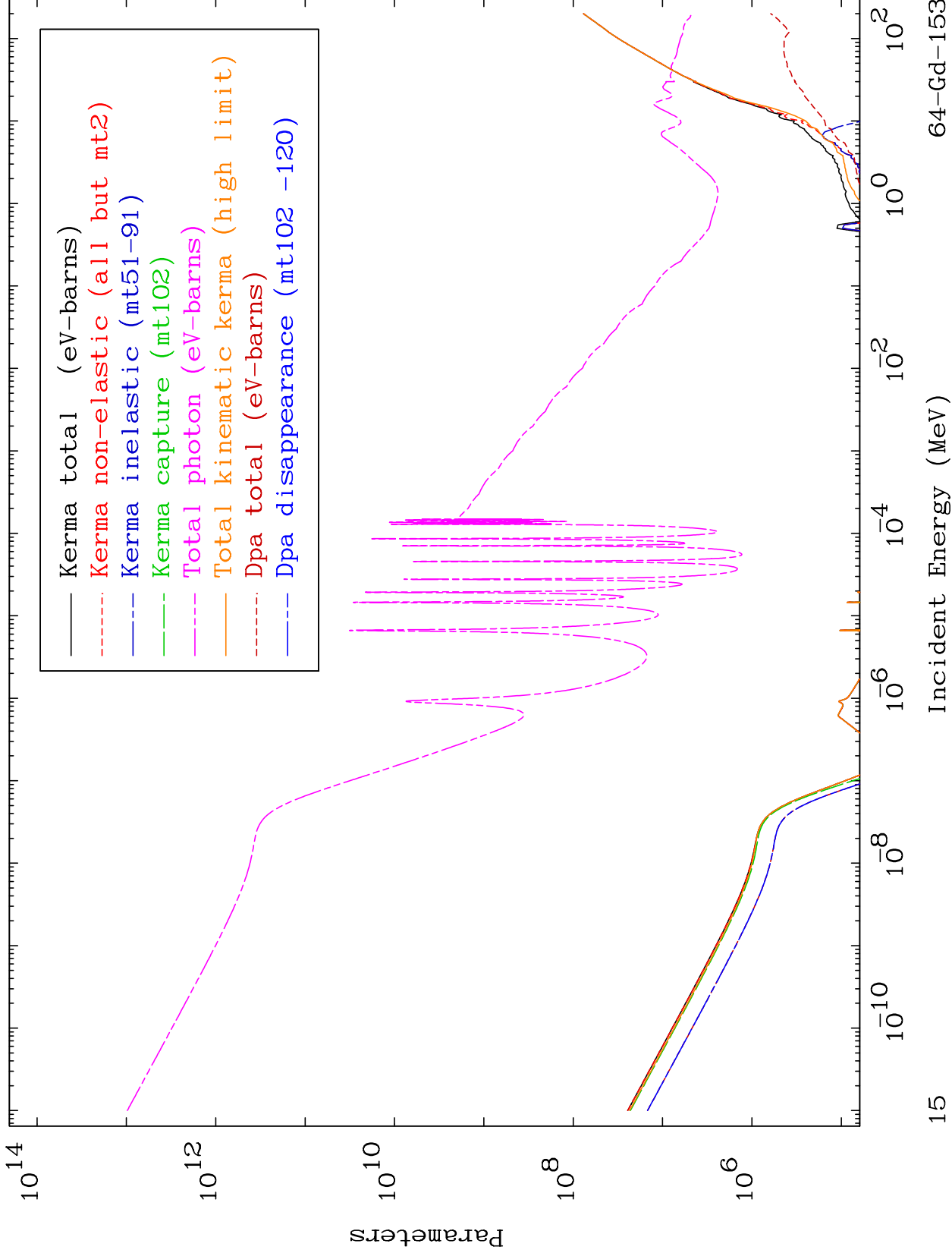
64-Gd-153

MAT 6428

(n,α) Levels  
293 Kelvin Cross Sections

64-Gd-153



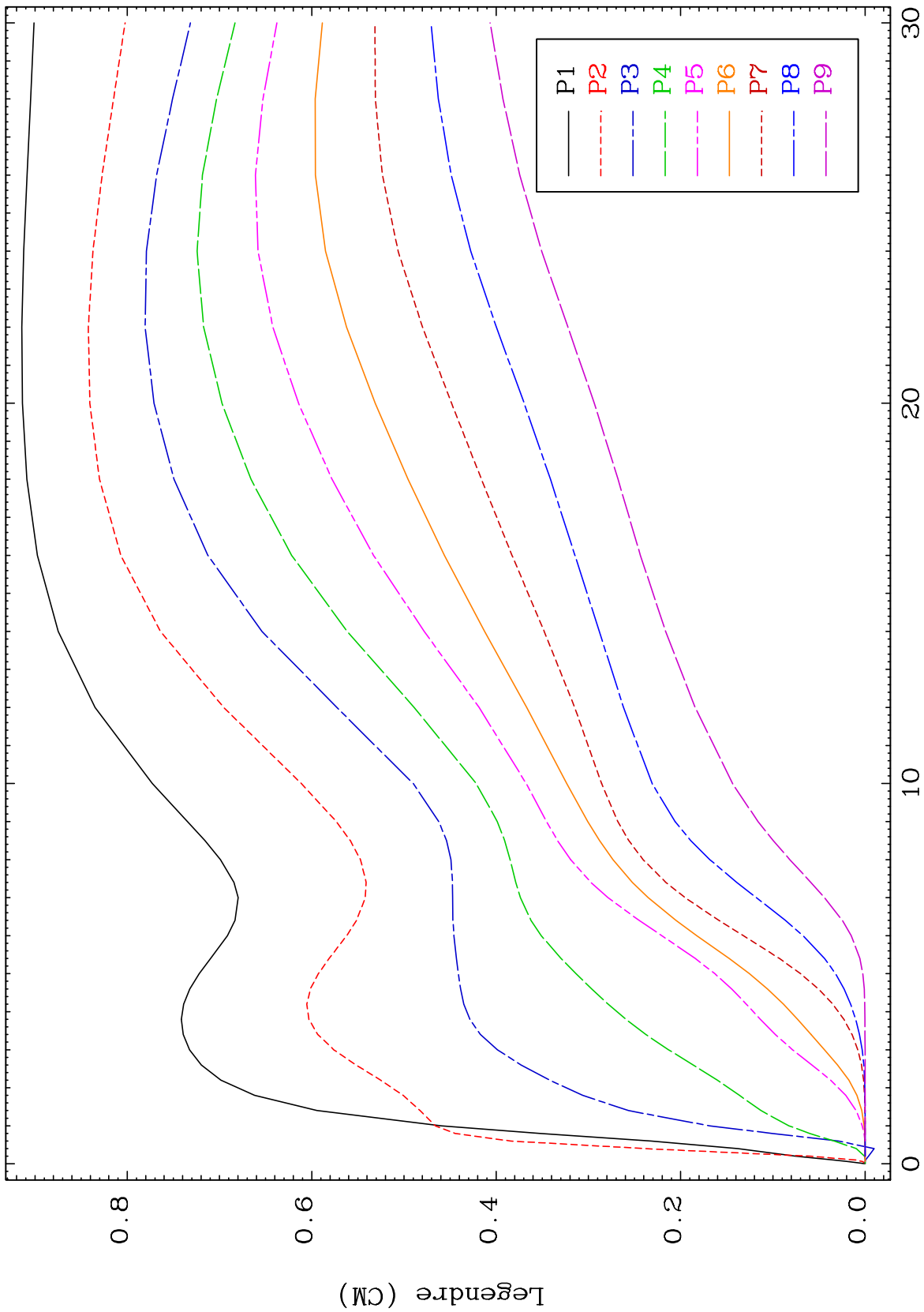




MAT 6428

64-Gd-153

Elastic Legendre Coefficients



64-Gd-153

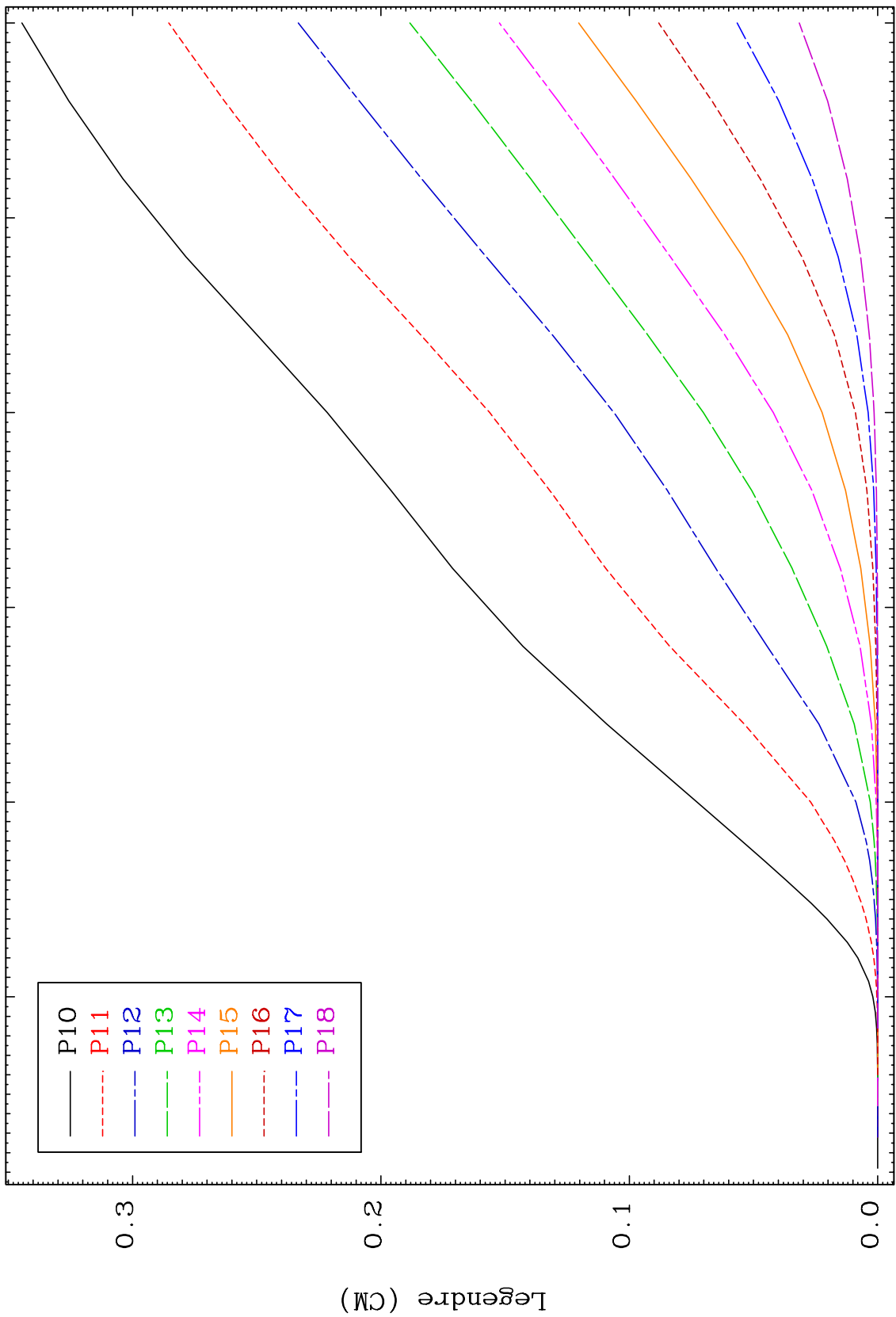
Incident Energy (MeV)

16

MAT 6428

Elastic  
Legendre Coefficients

64-Gd-153



17

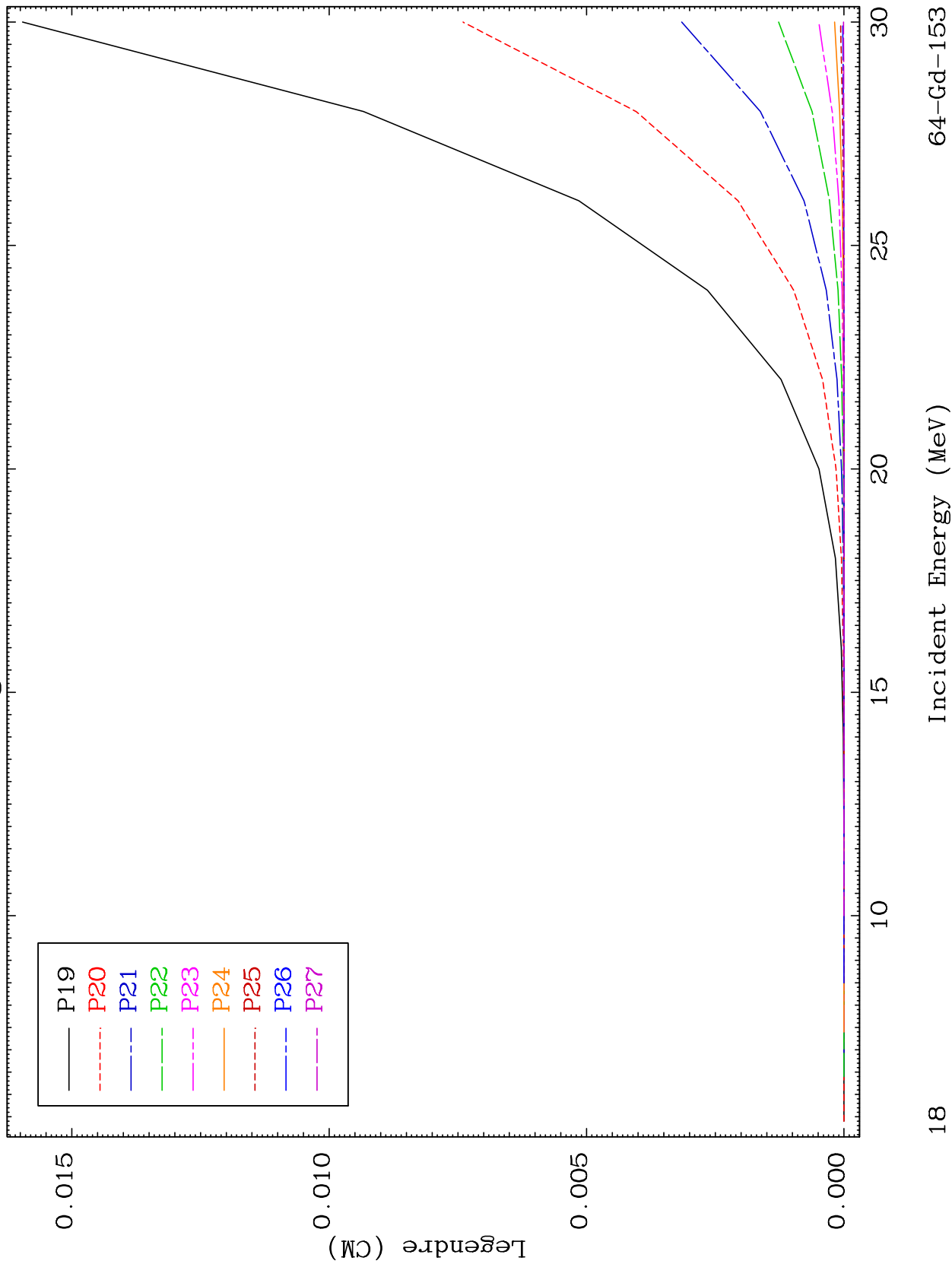
64-Gd-153

Incident Energy (MeV)

MAT 6428

### Elastic Legendre Coefficients

64-Gd-153



18

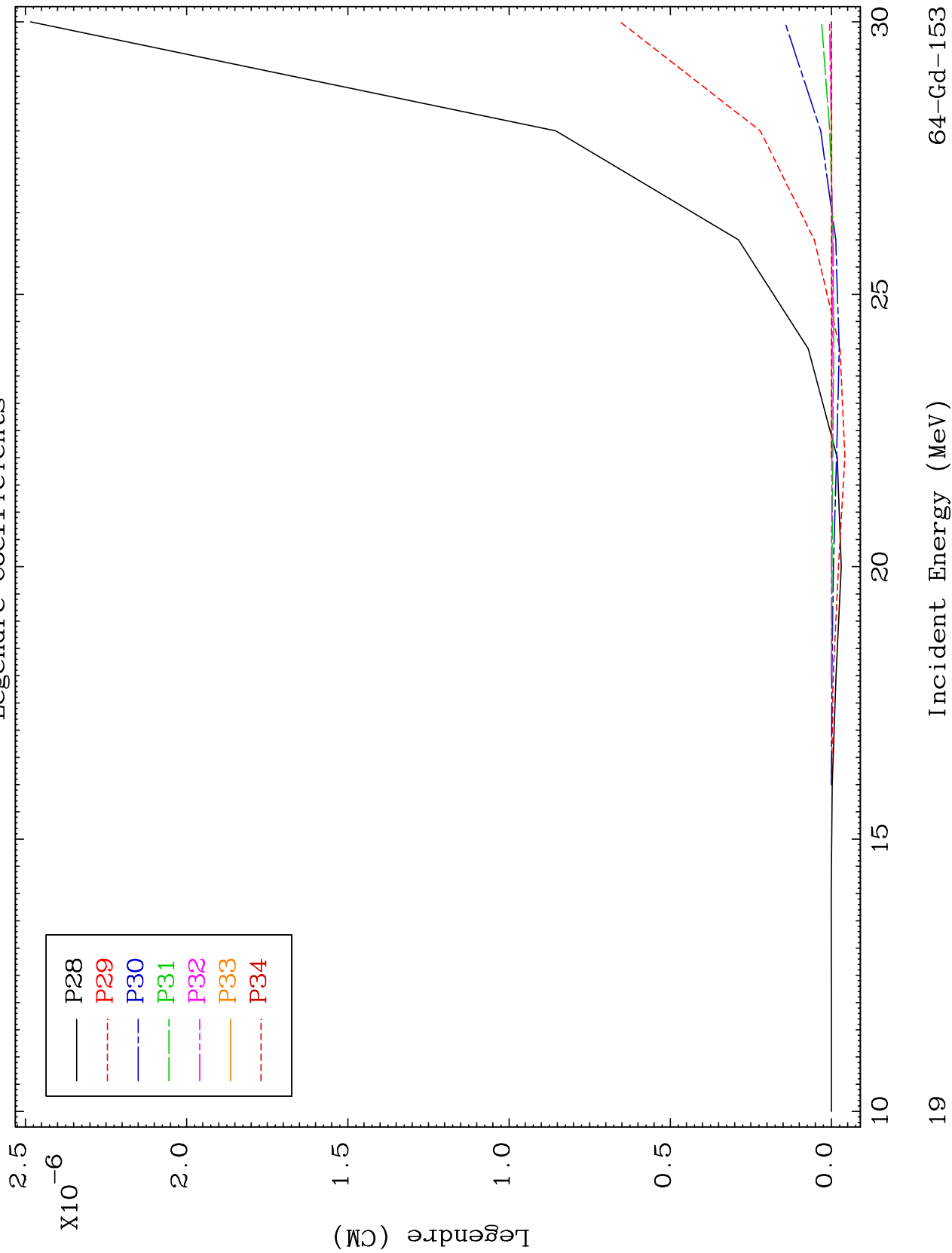
Incident Energy (MeV)

64-Gd-153

MAT 6428

Elastic  
Legendre Coefficients

64-Gd-153



19

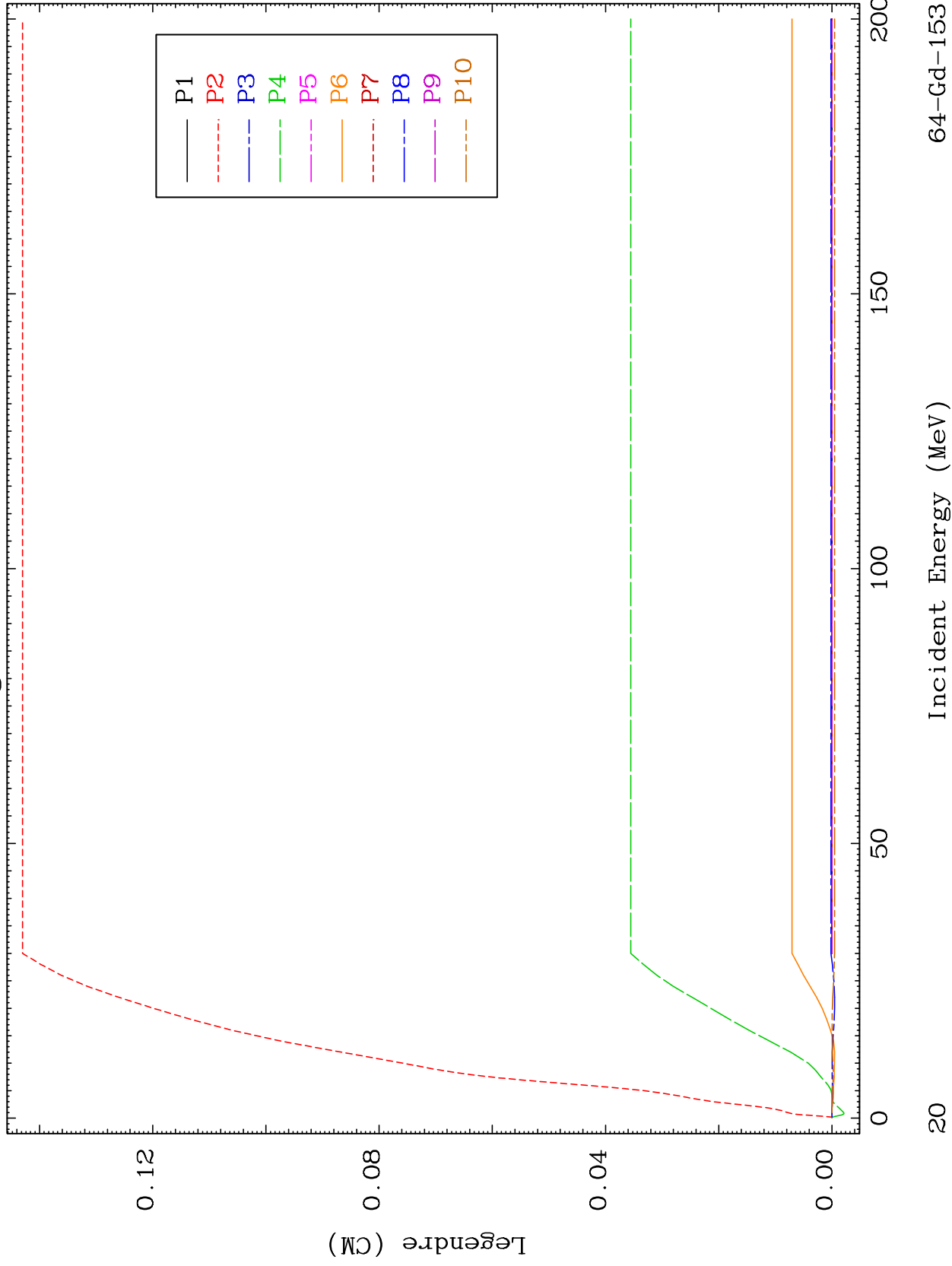
Incident Energy (MeV)

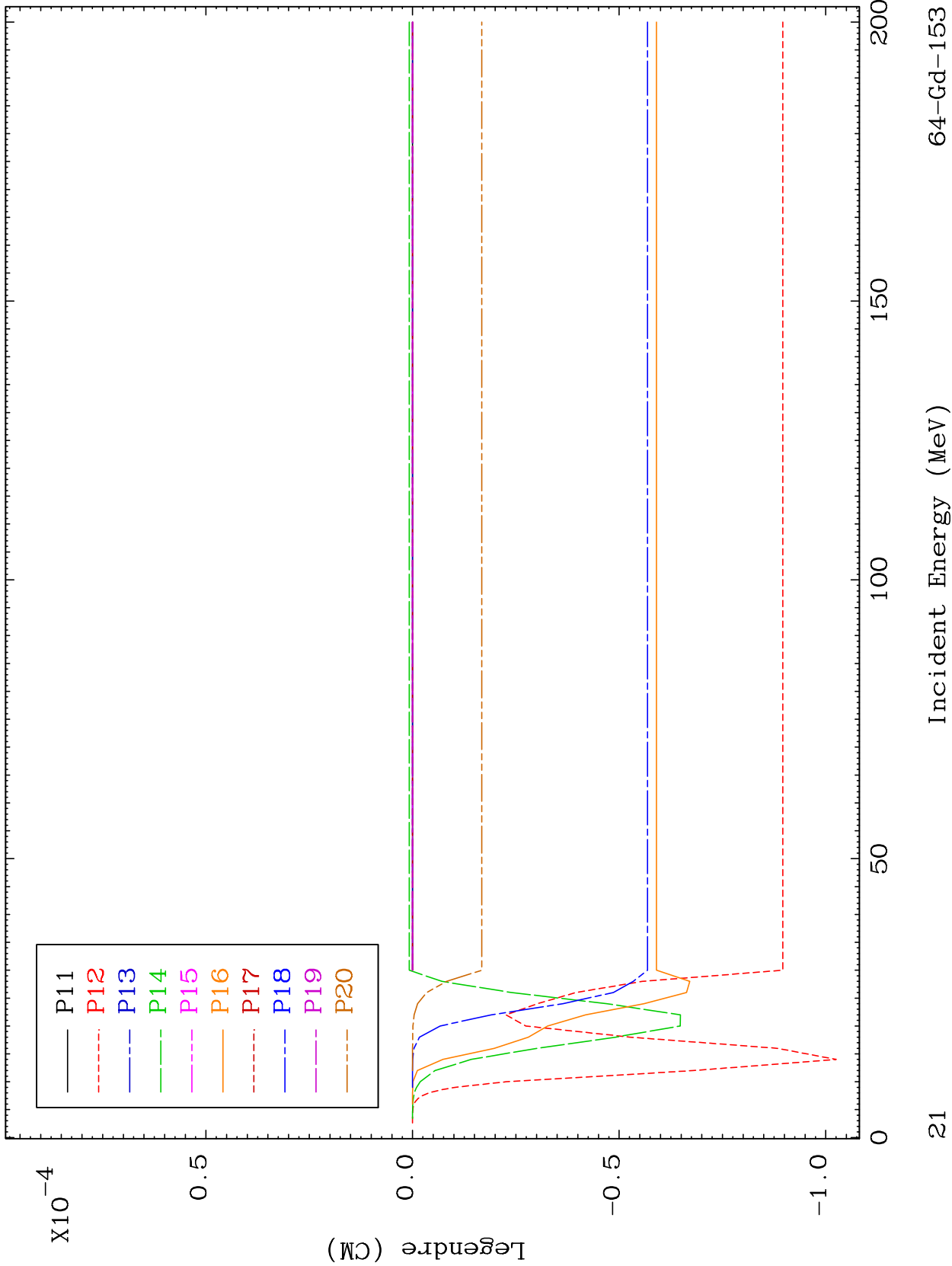
64-Gd-153

MAT 6428

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

64-Gd-153

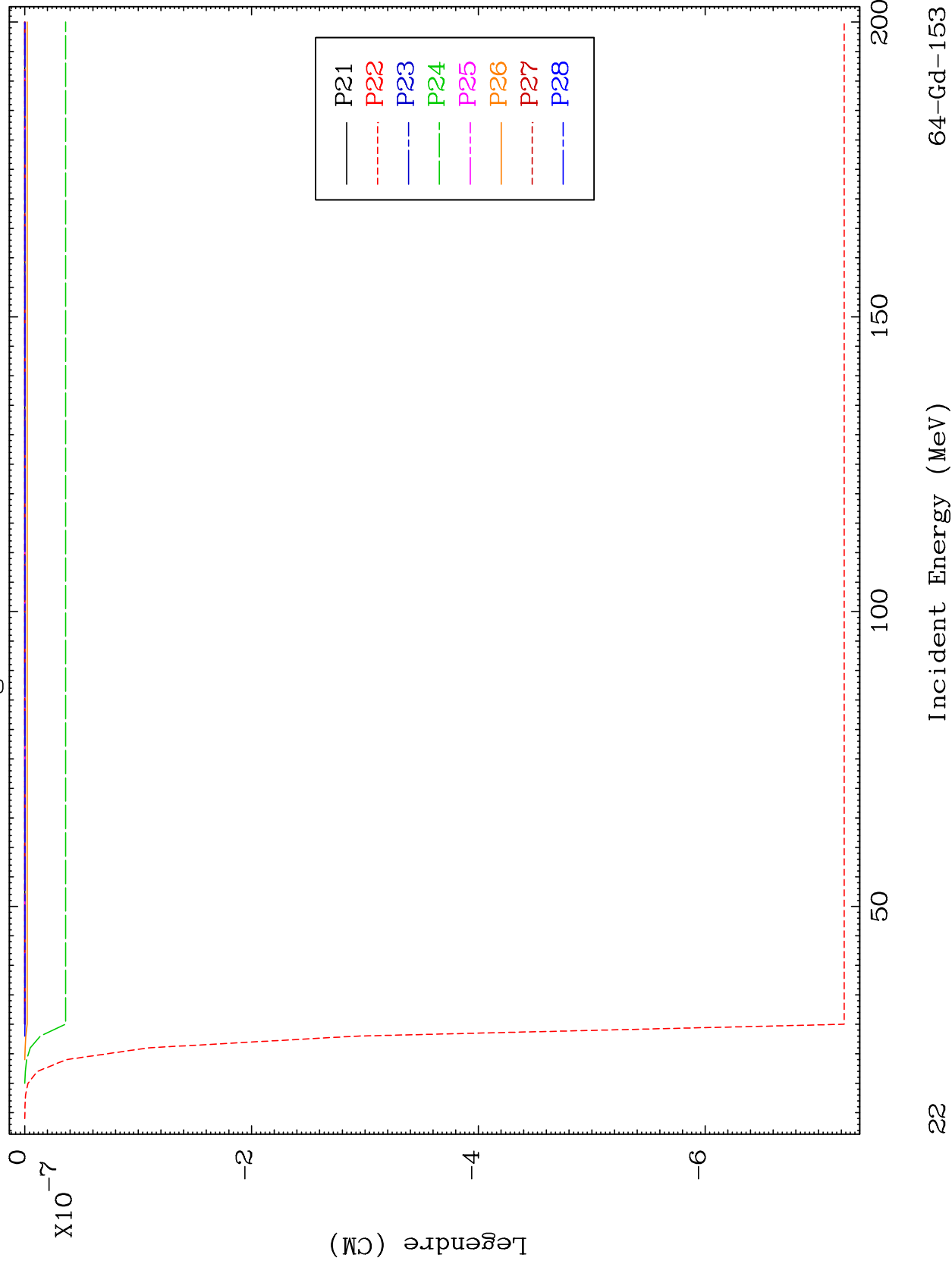




MAT 6428

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

64-Gd-153

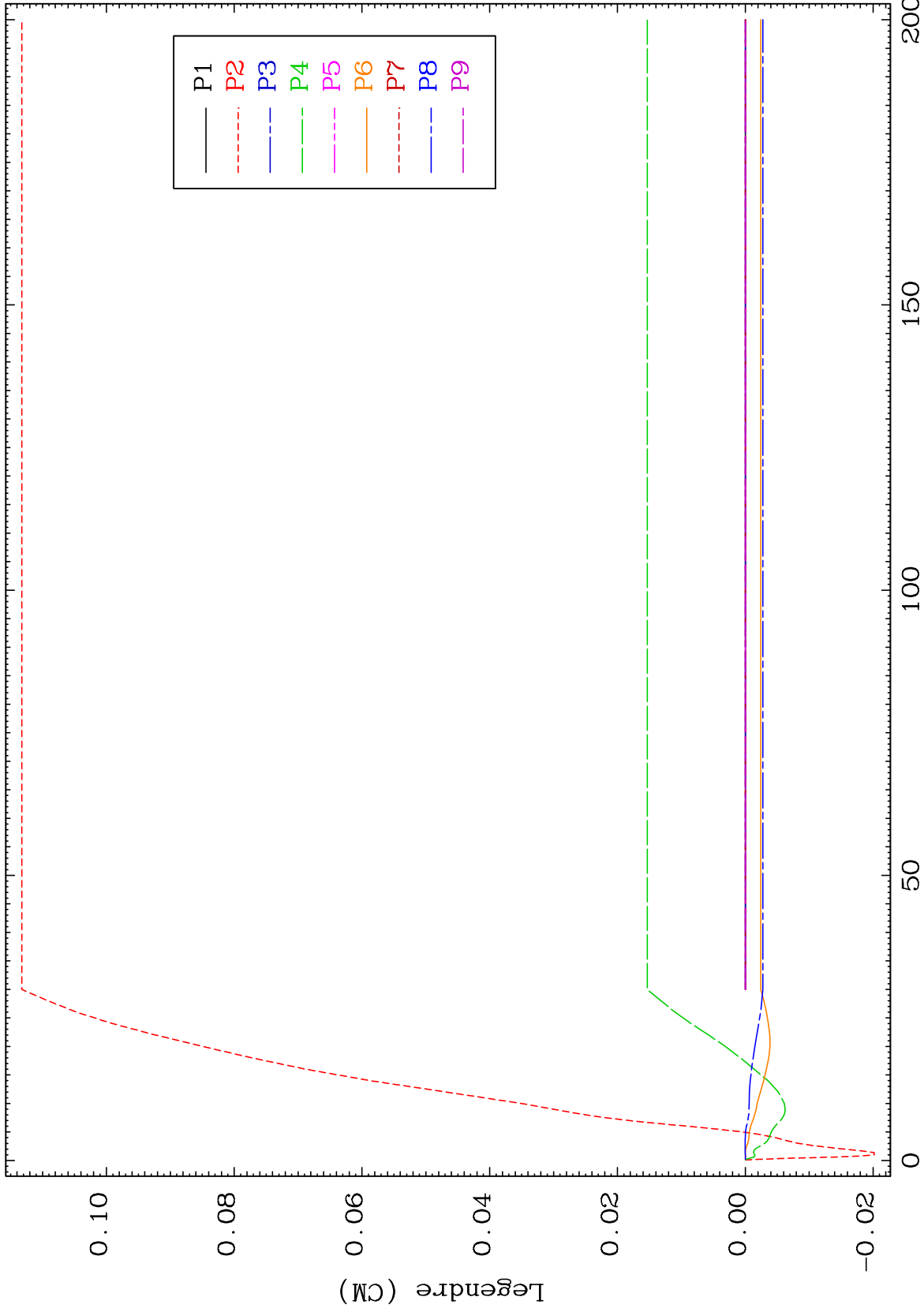


22

MAT 6428

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

64-Gd-153



23

Incident Energy (MeV)

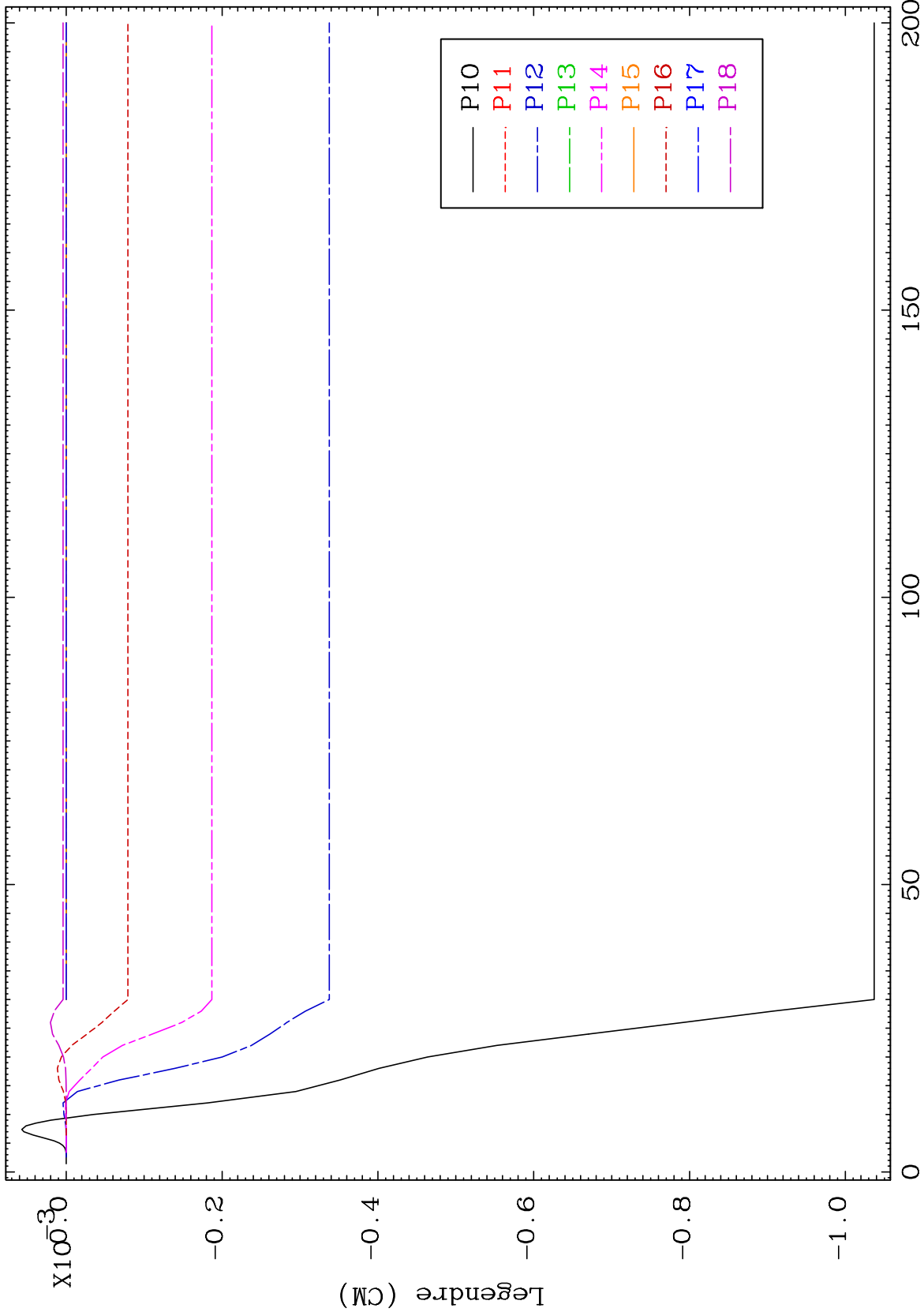
64-Gd-153



MAT 6428

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

64-Gd-153



24

Incident Energy (MeV)

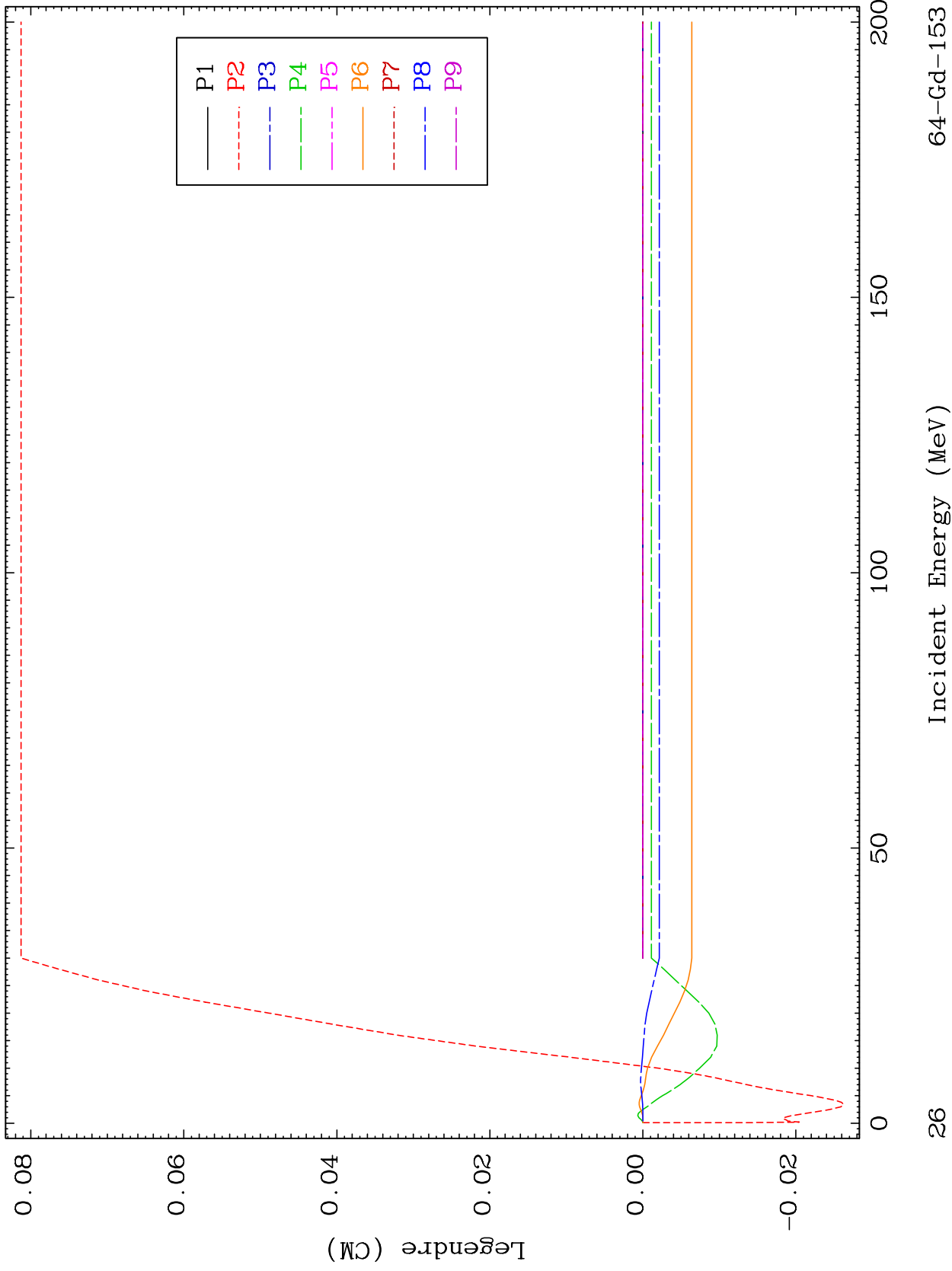
64-Gd-153



MAT 6428

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

64-Gd-153



64-Gd-153

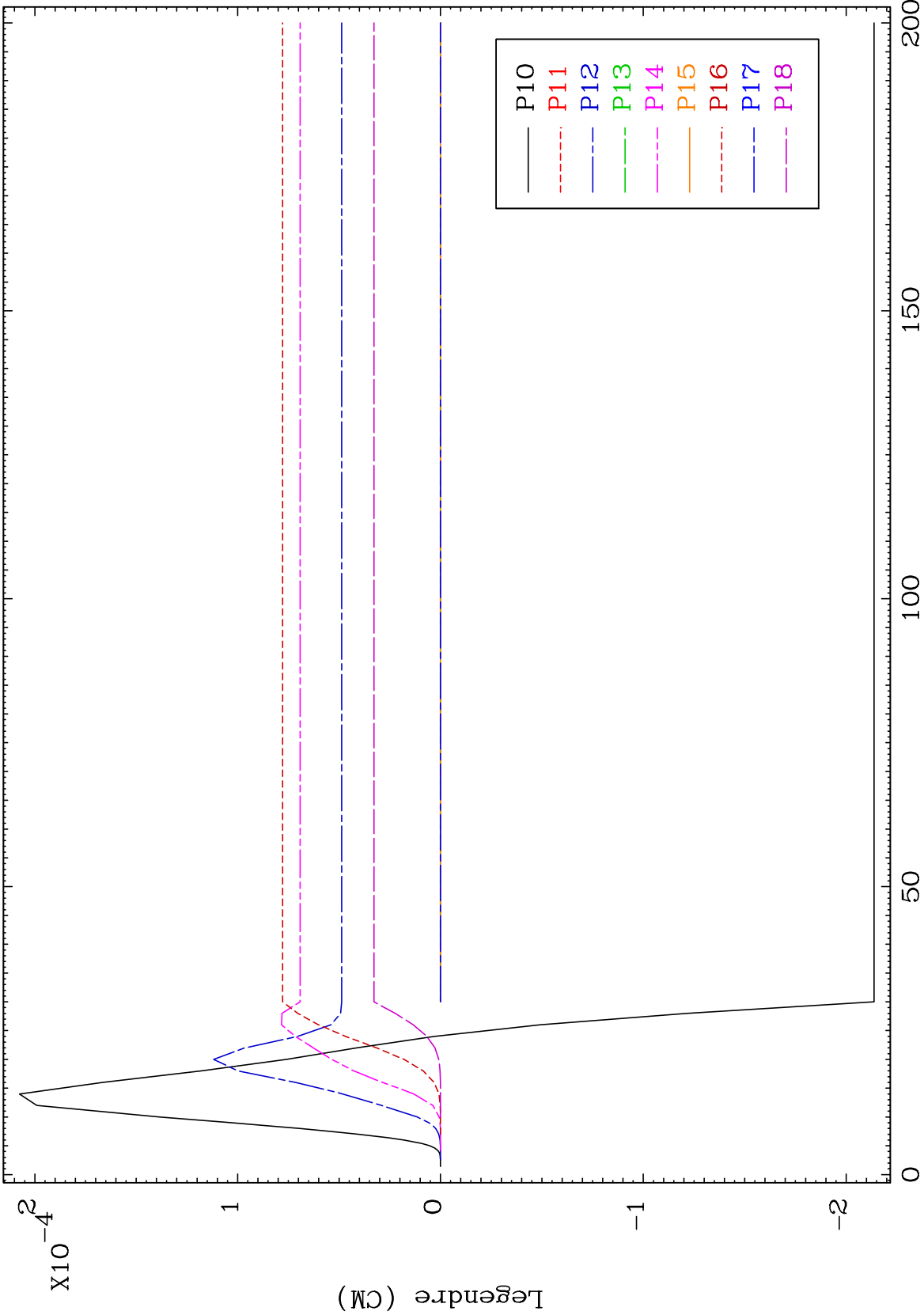
Incident Energy (MeV)

26

MAT 6428

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

64-Gd-153



27

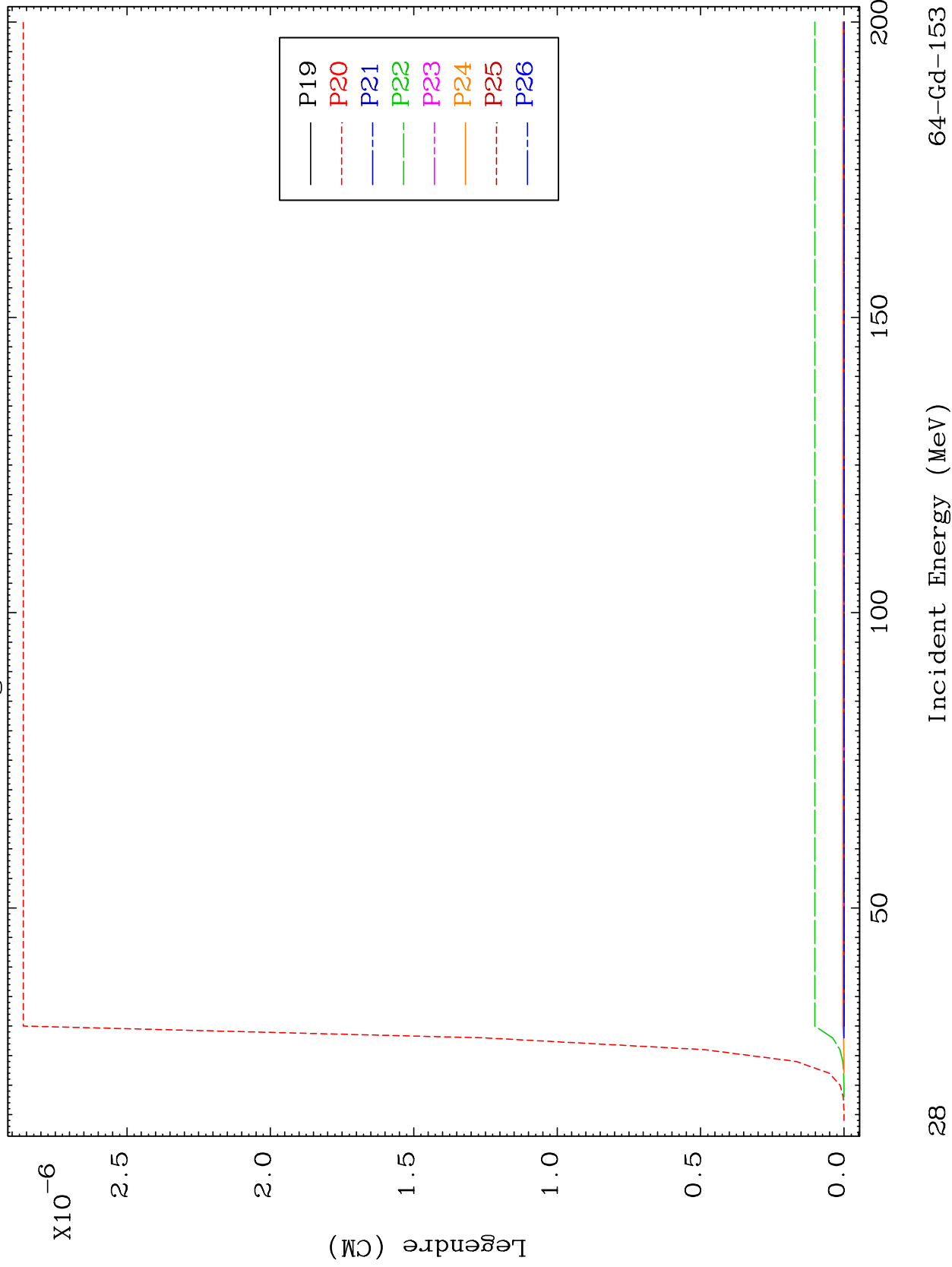
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



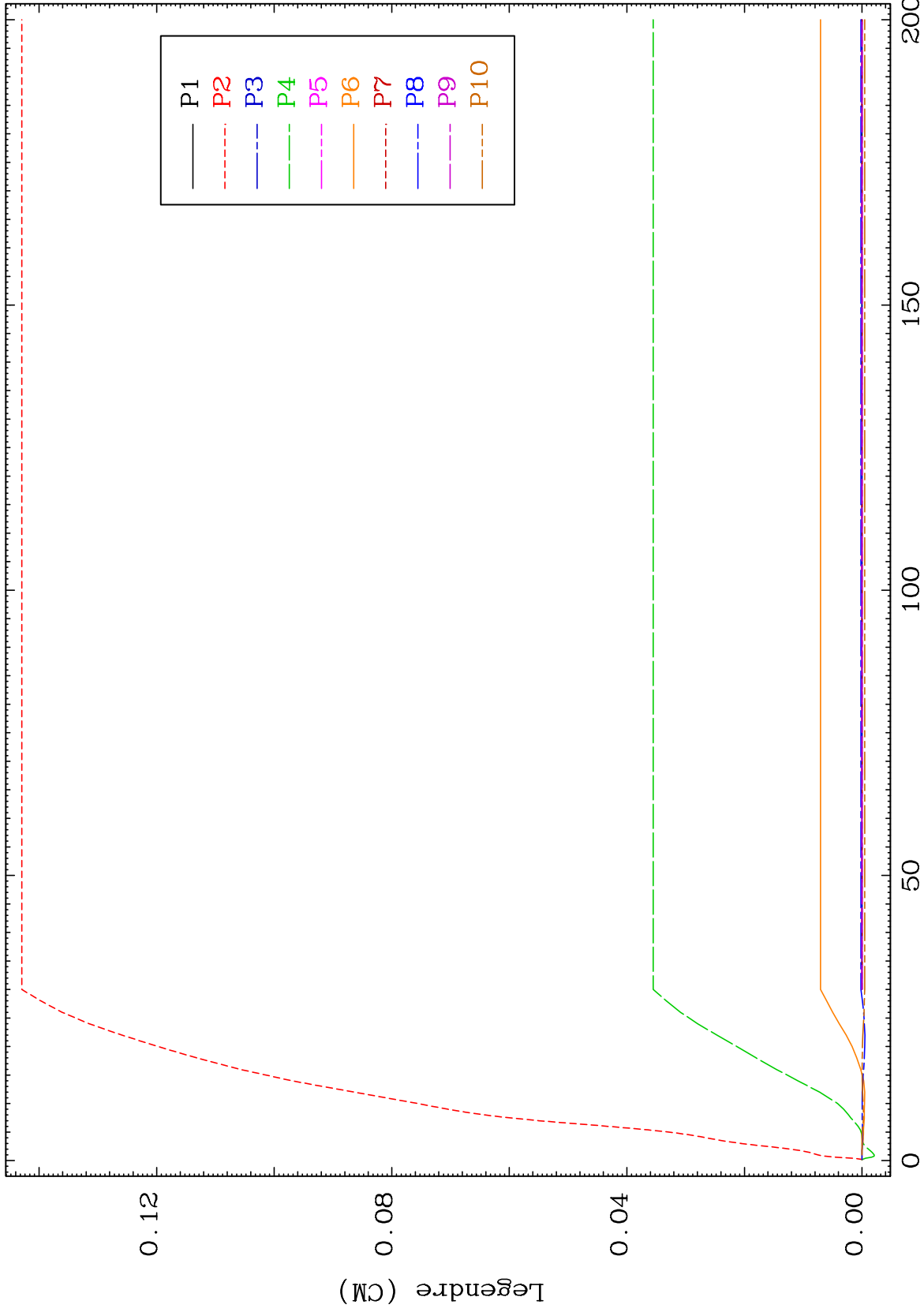
28

64-Gd-153

MAT 6428

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

64-Gd-153



29

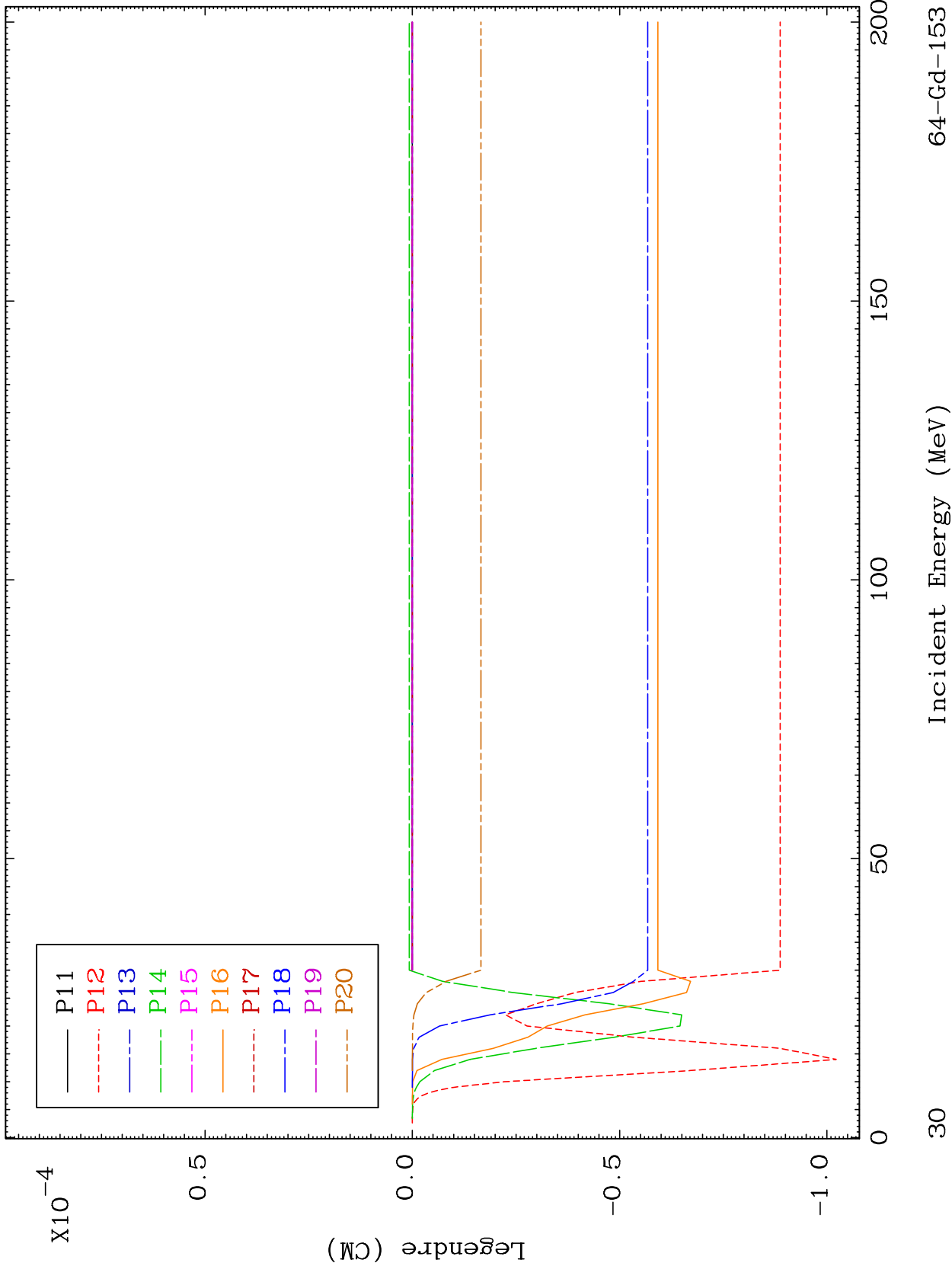
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

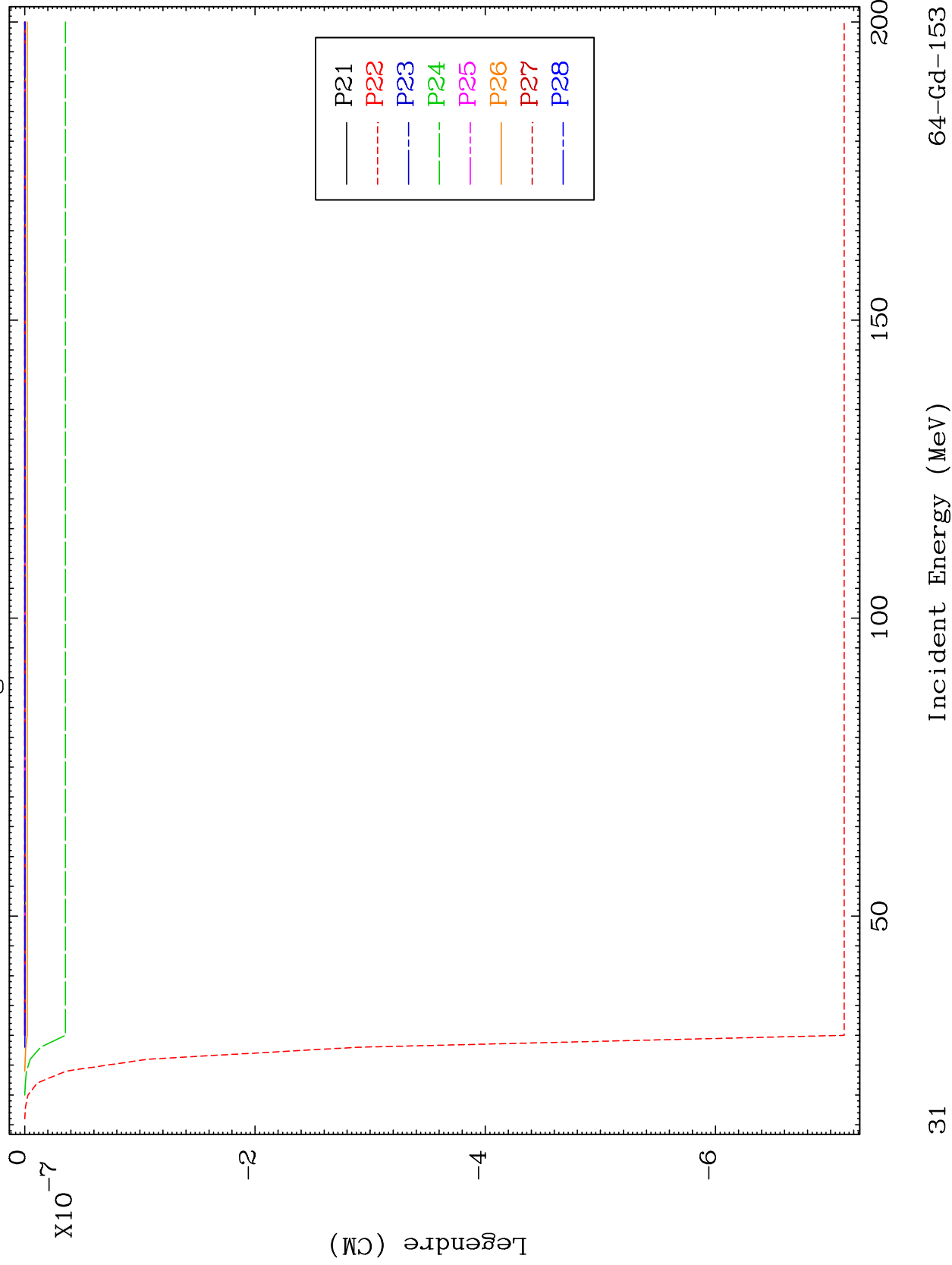
Incident Energy (MeV)

30

MAT 6428

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

64-Gd-153



31

Incident Energy (MeV)

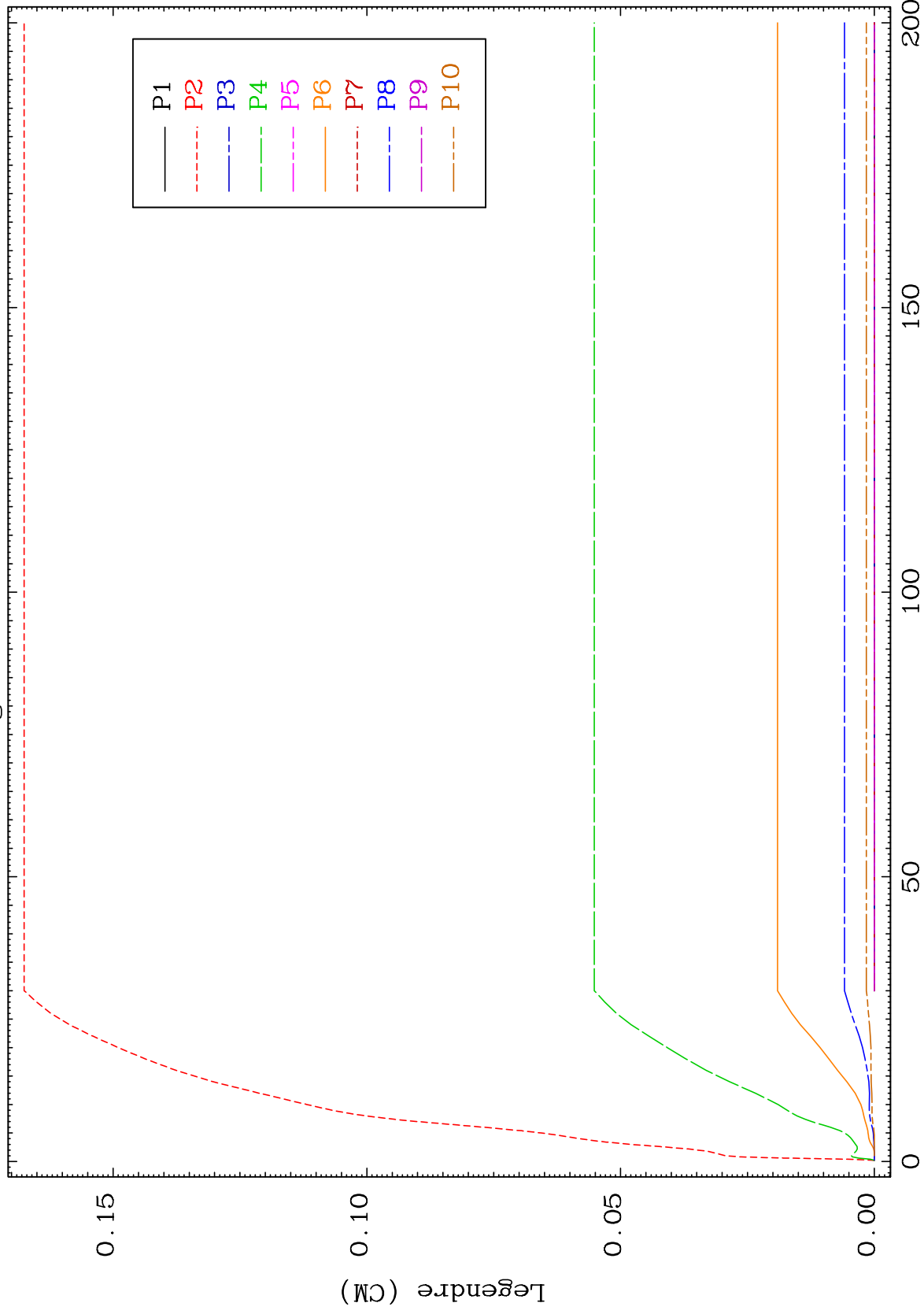
64-Gd-153



MAT 6428

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

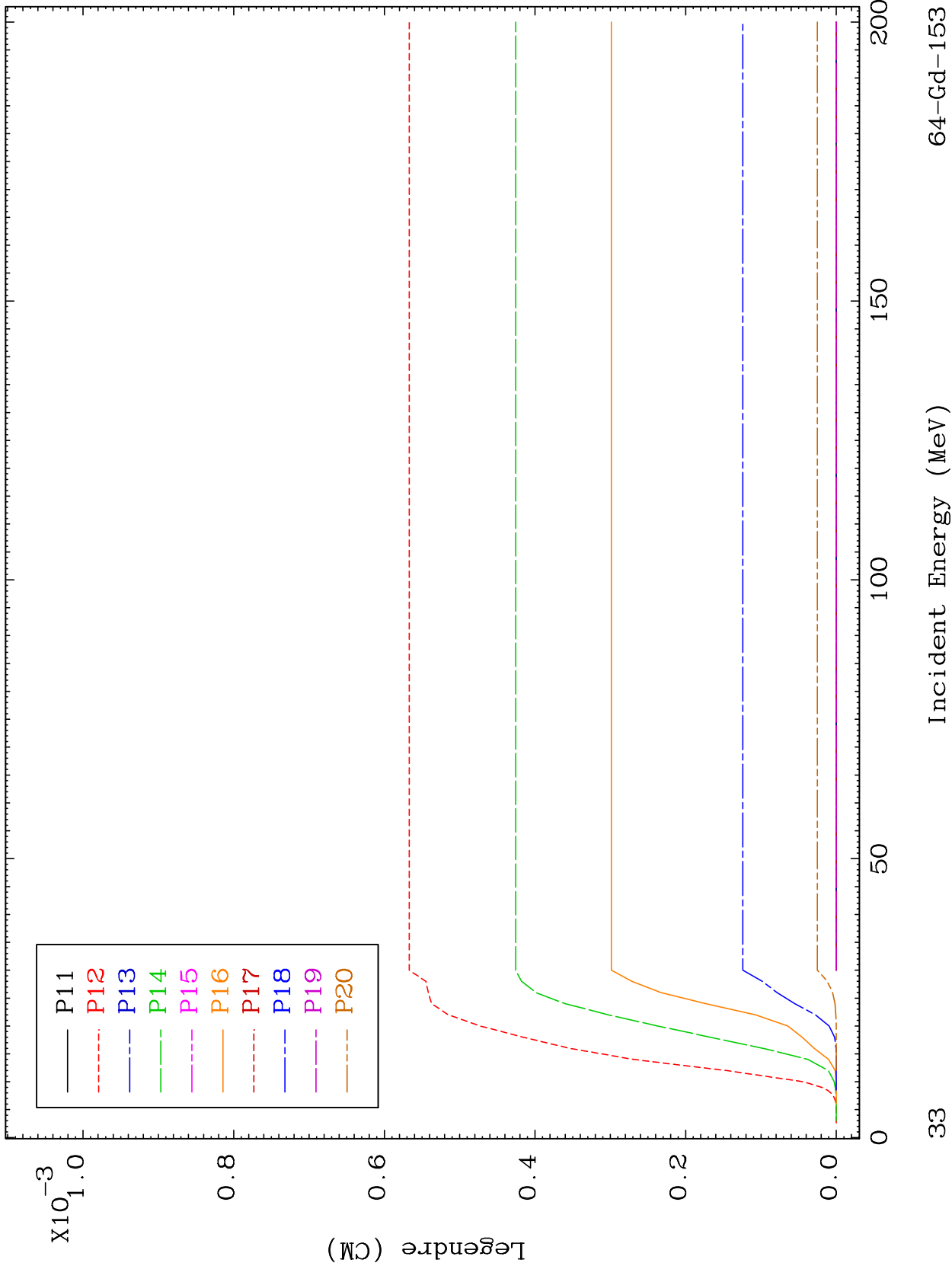
64-Gd-153



64-Gd-153

Incident Energy (MeV)

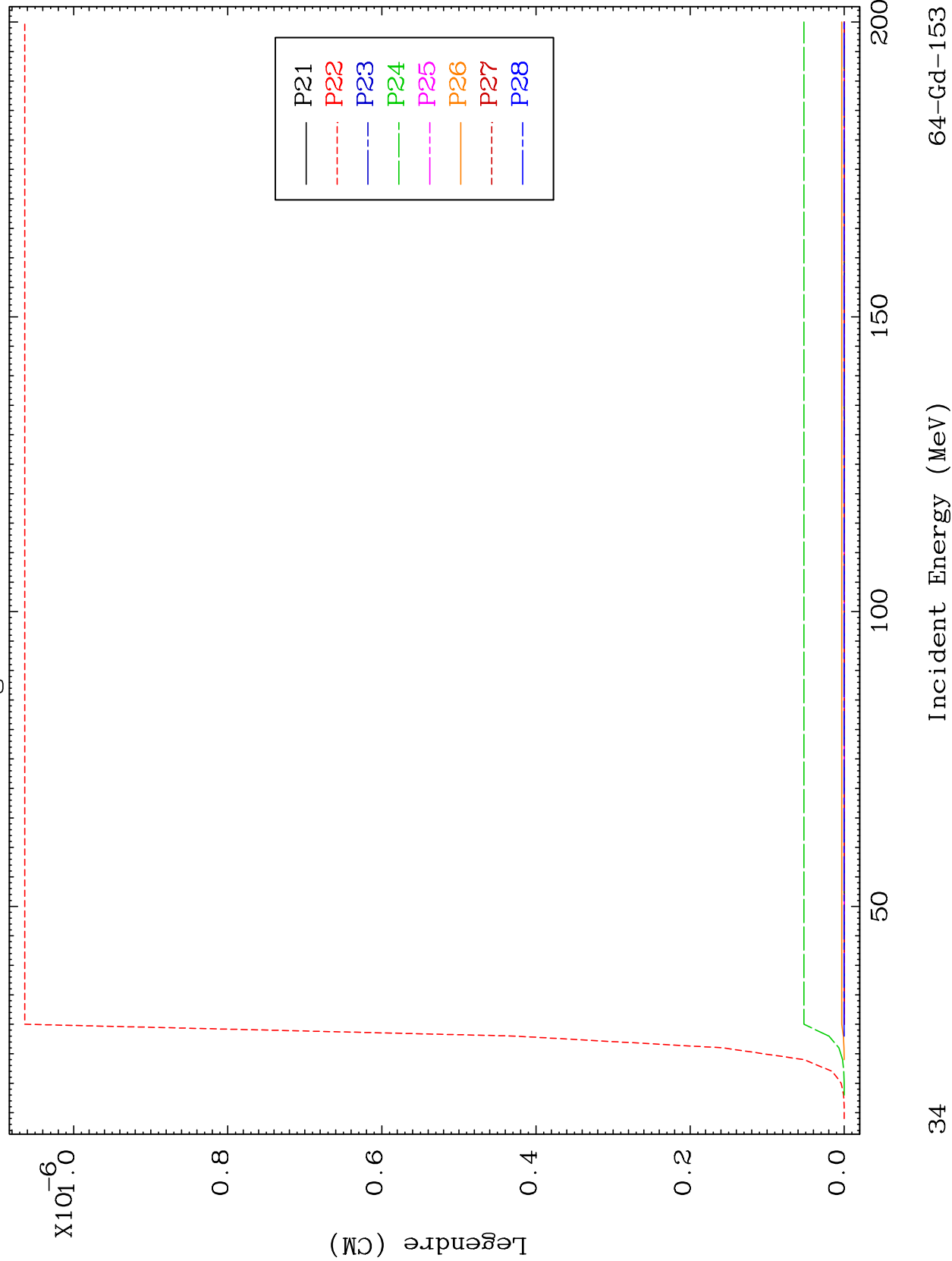
32



MAT 6428

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

64-Gd-153



34

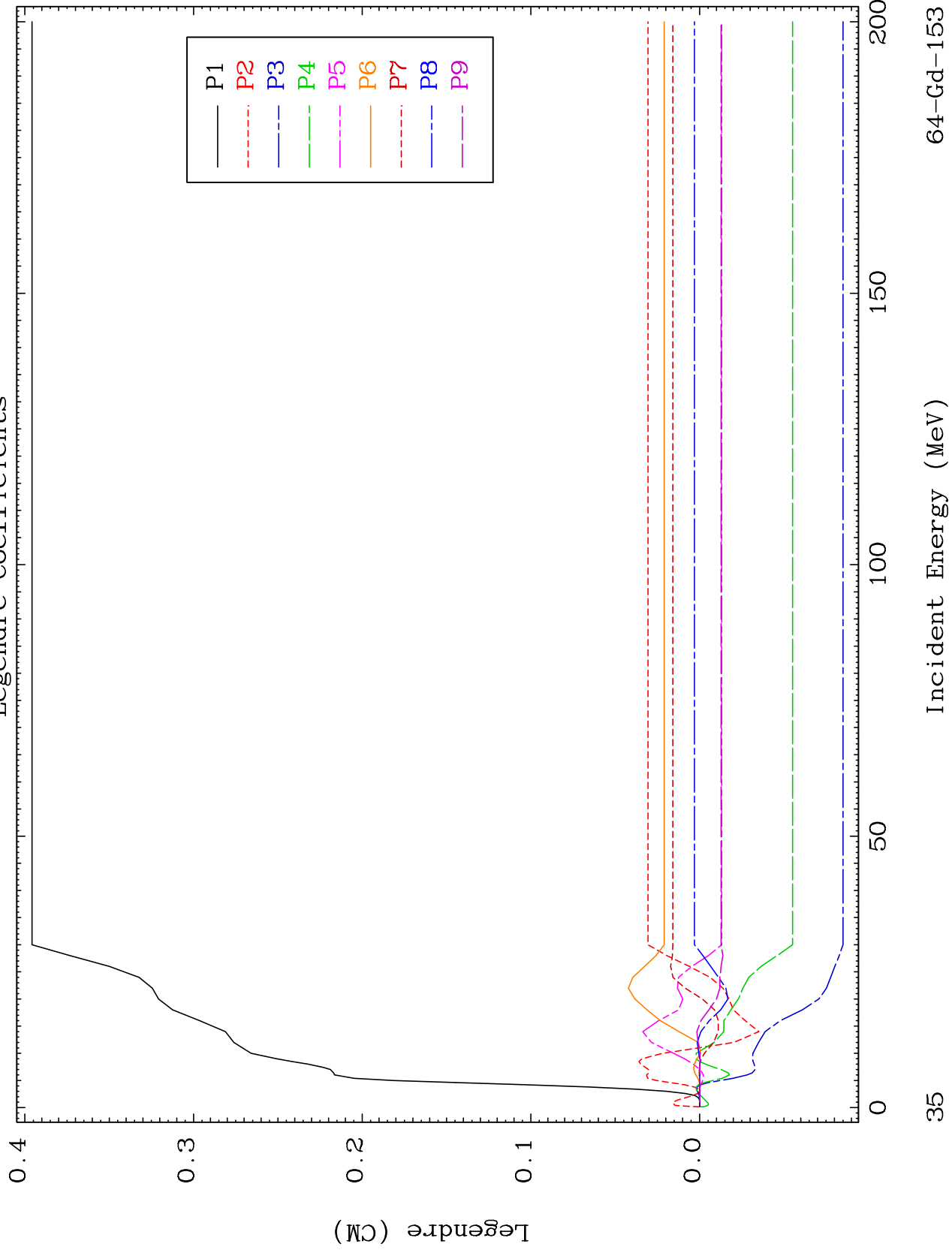
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



35

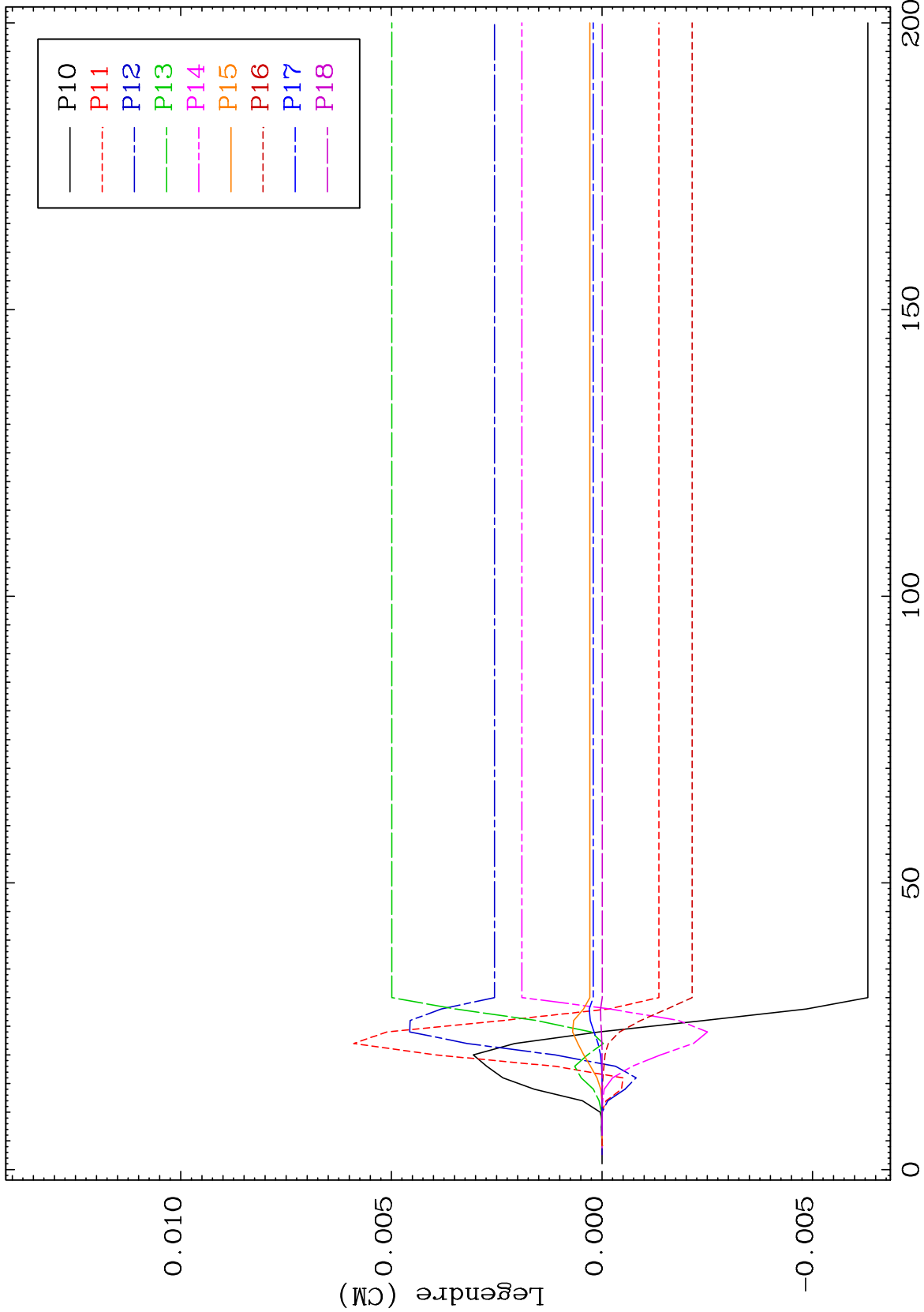
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

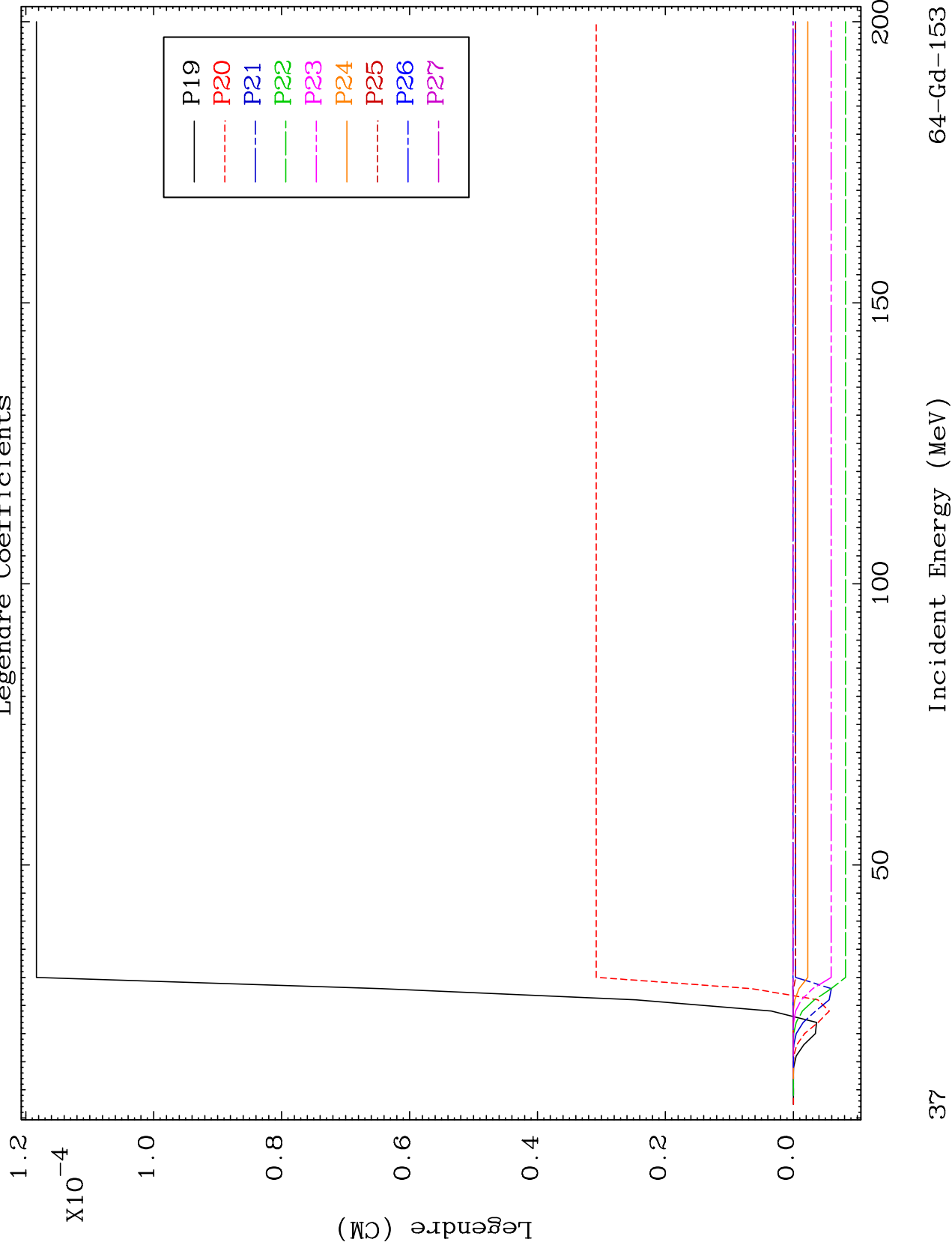
64-Gd-153



36

Incident Energy (MeV)

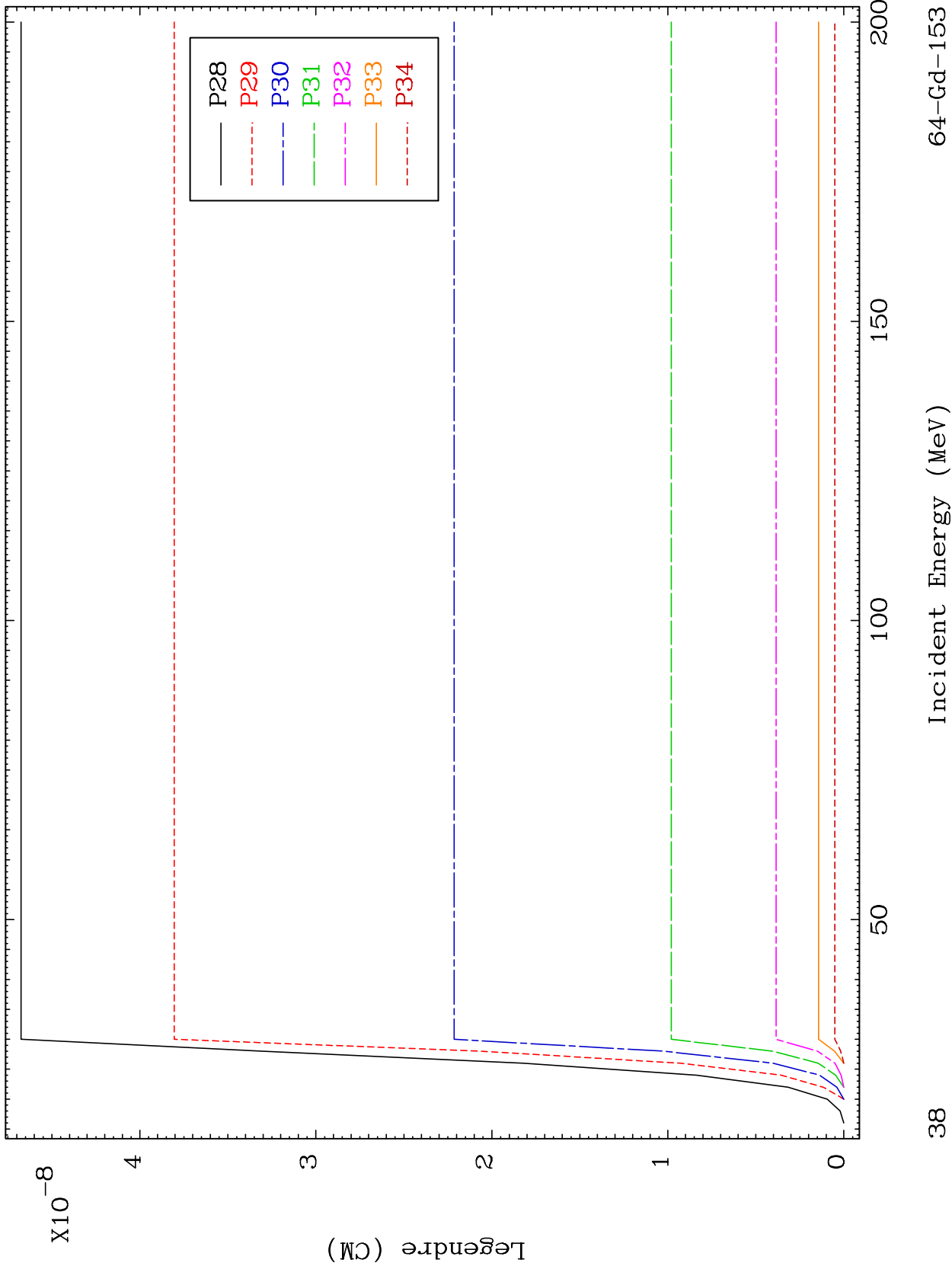
64-Gd-153



MAT 6428

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

64-Gd-153



38

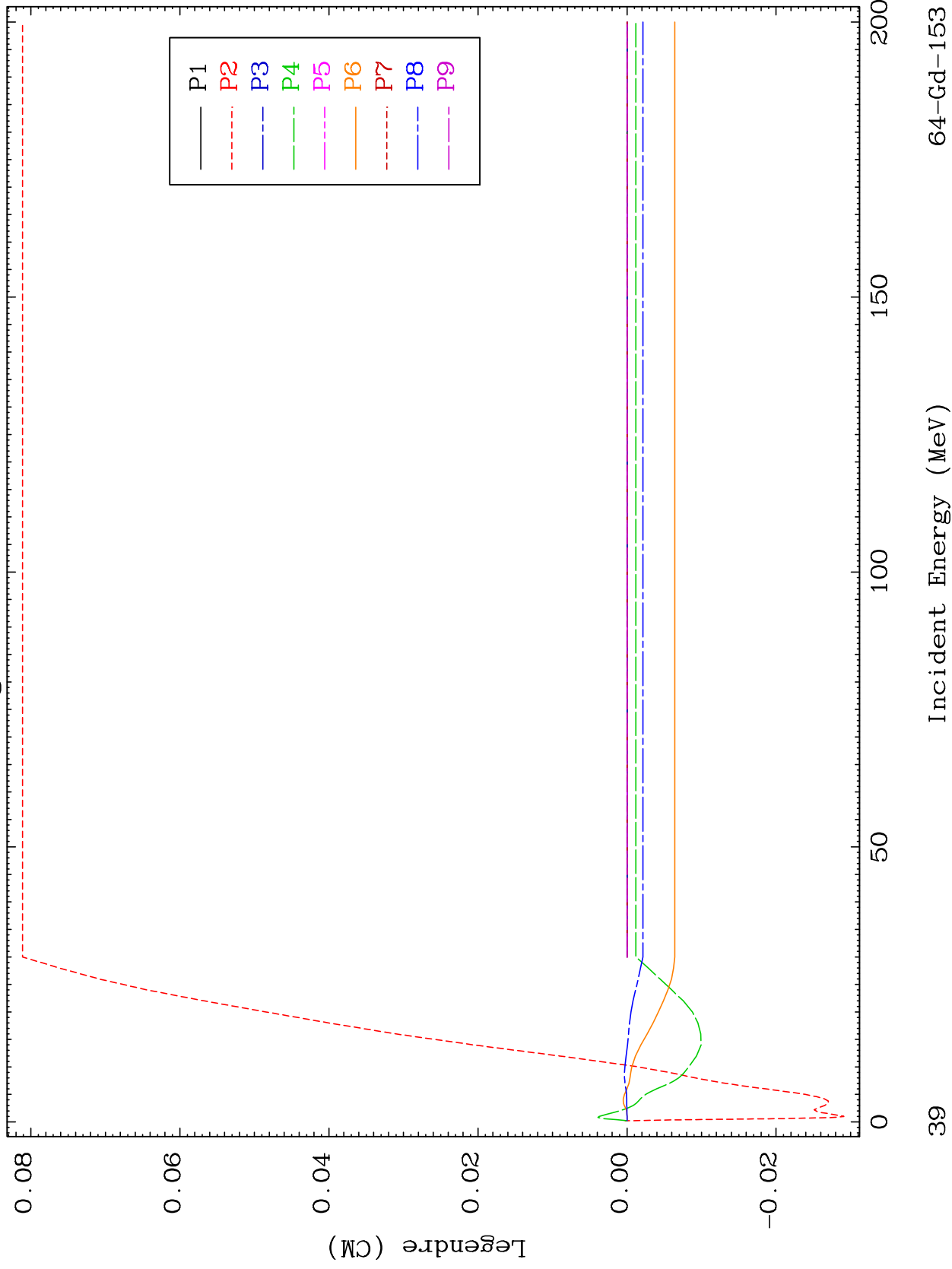
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

Incident Energy (MeV)

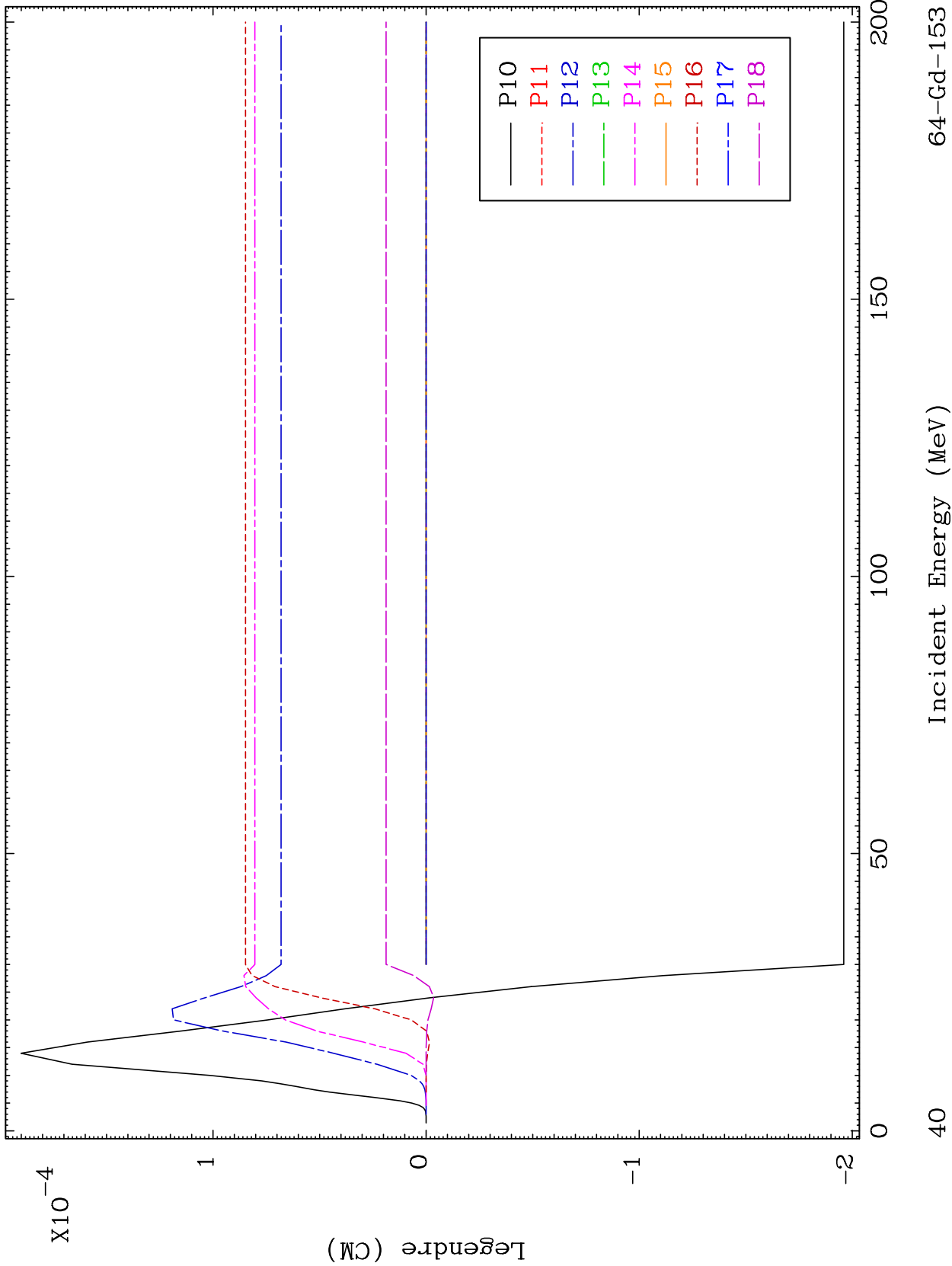
39



MAT 6428

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

64-Gd-153



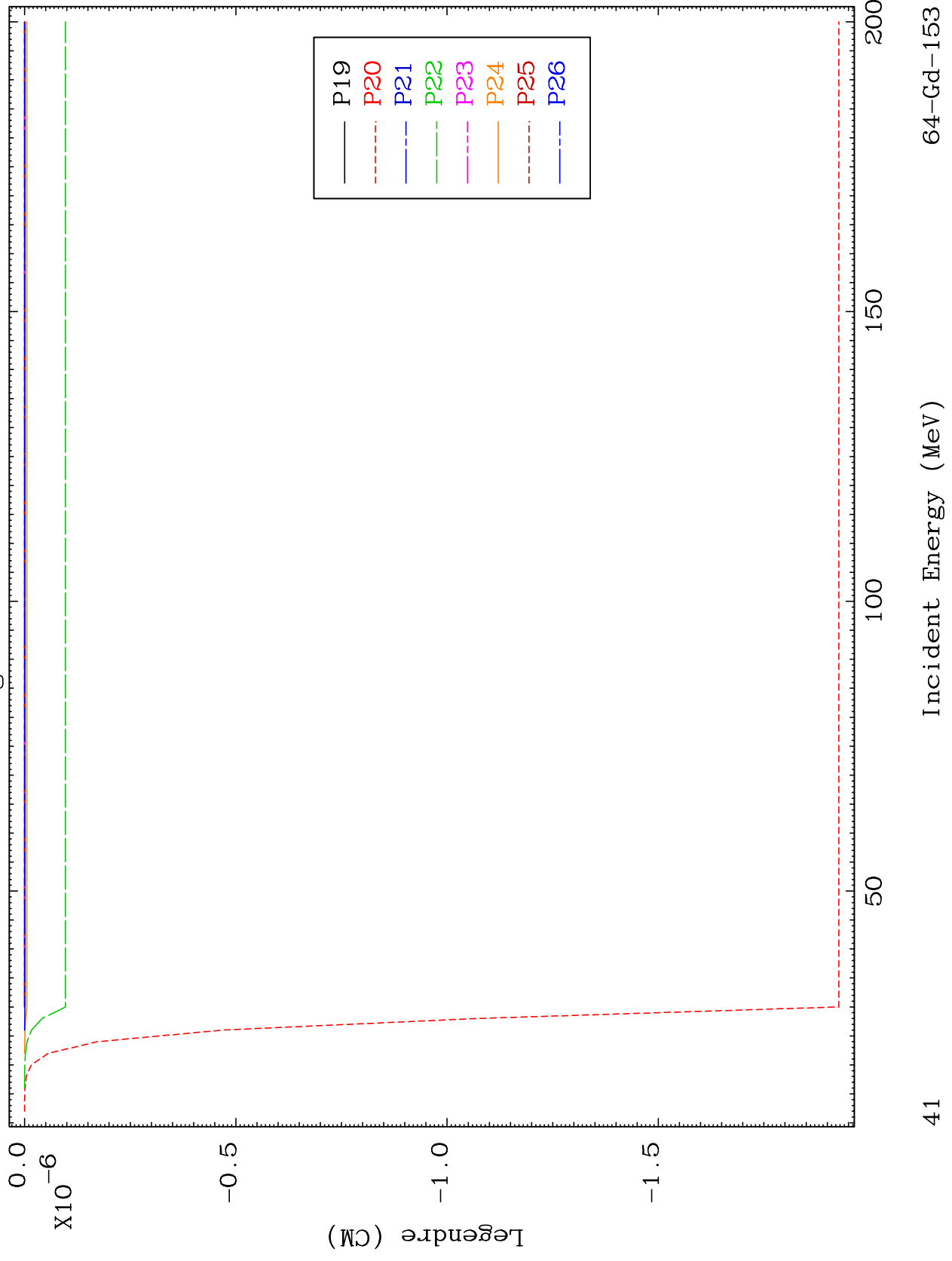
64-Gd-153

Incident Energy (MeV)

MAT 6428

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

64-Gd-153



41

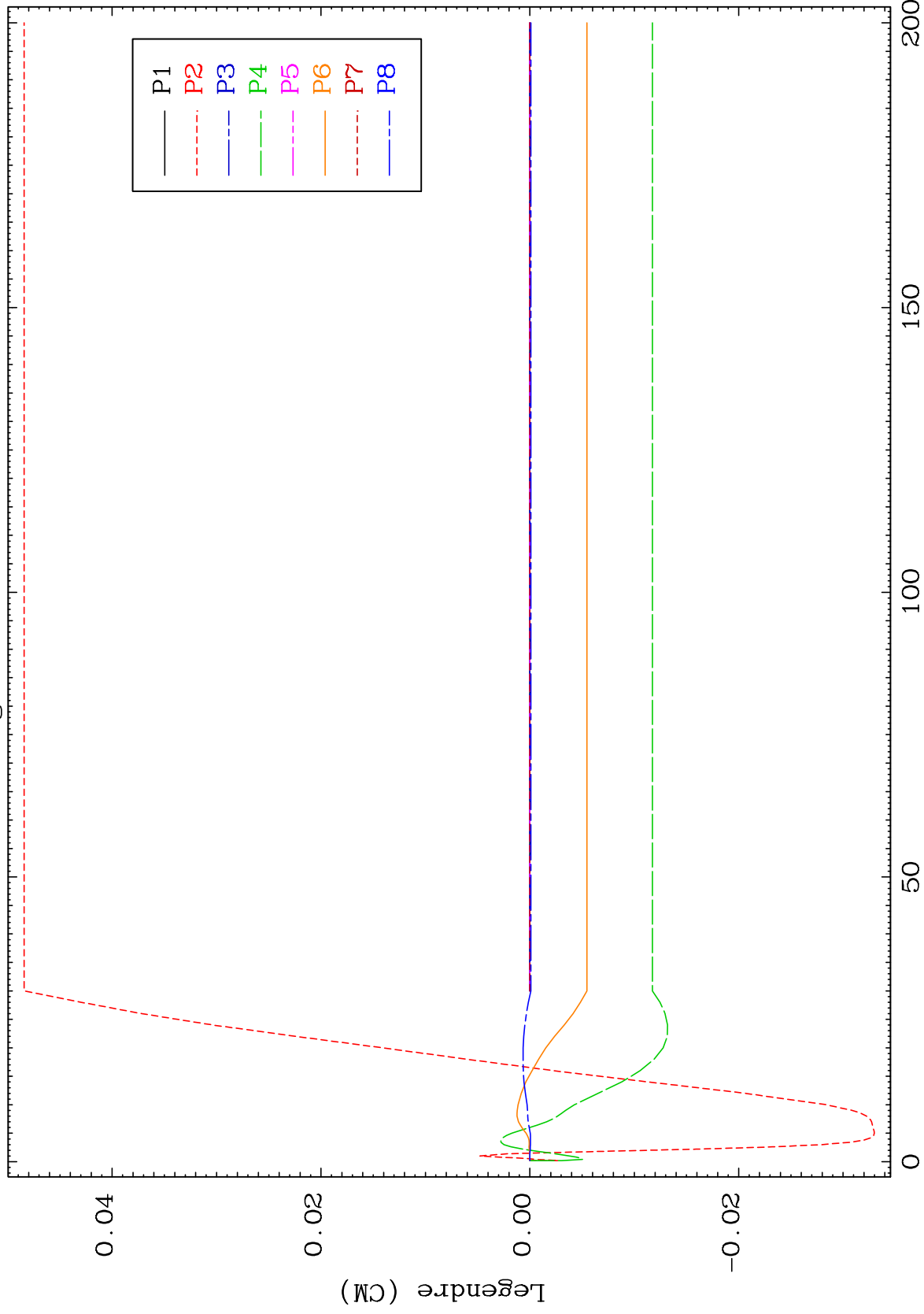
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



42

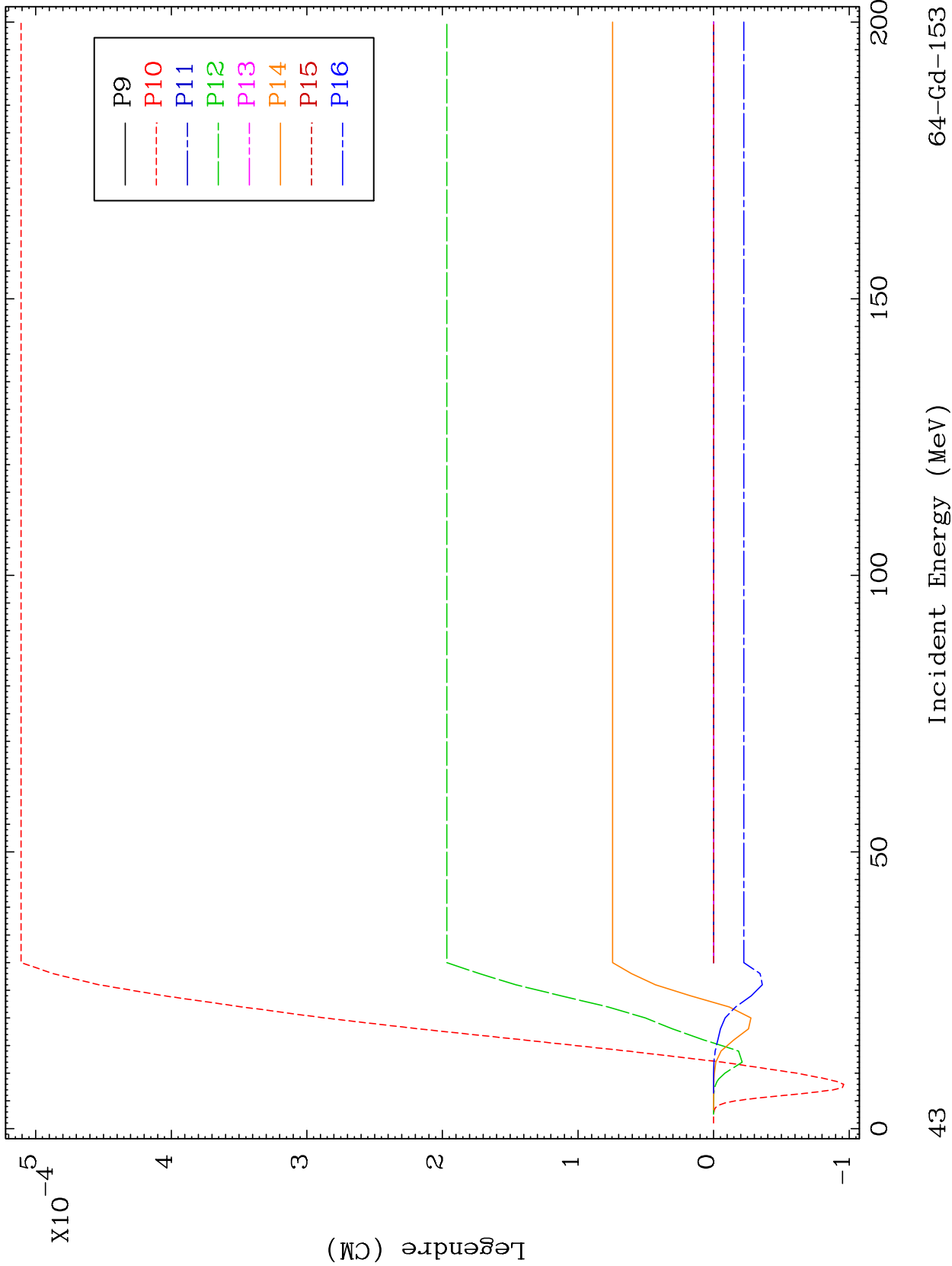
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

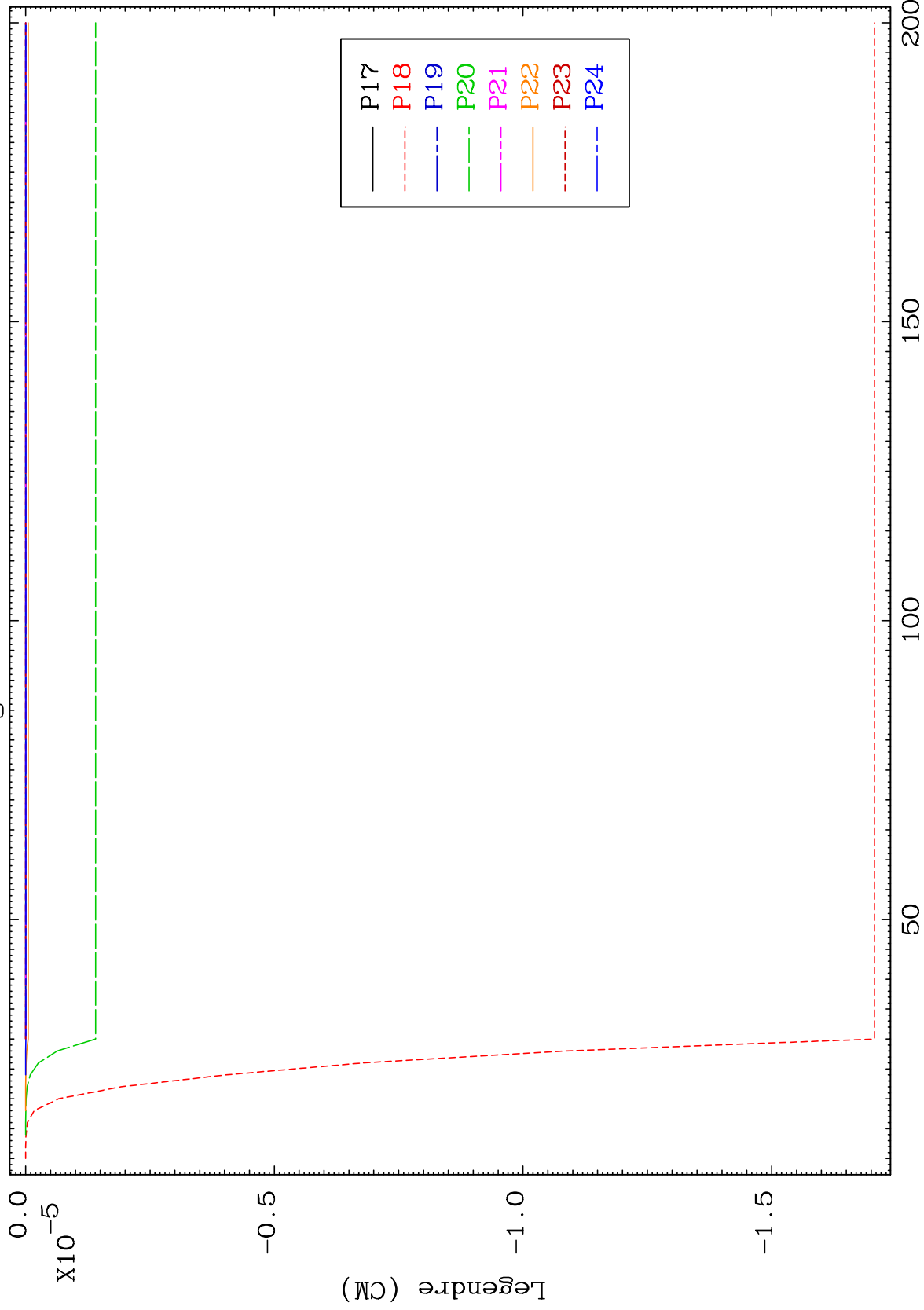
Incident Energy (MeV)

43

MAT 6428

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

64-Gd-153



44

Incident Energy (MeV)

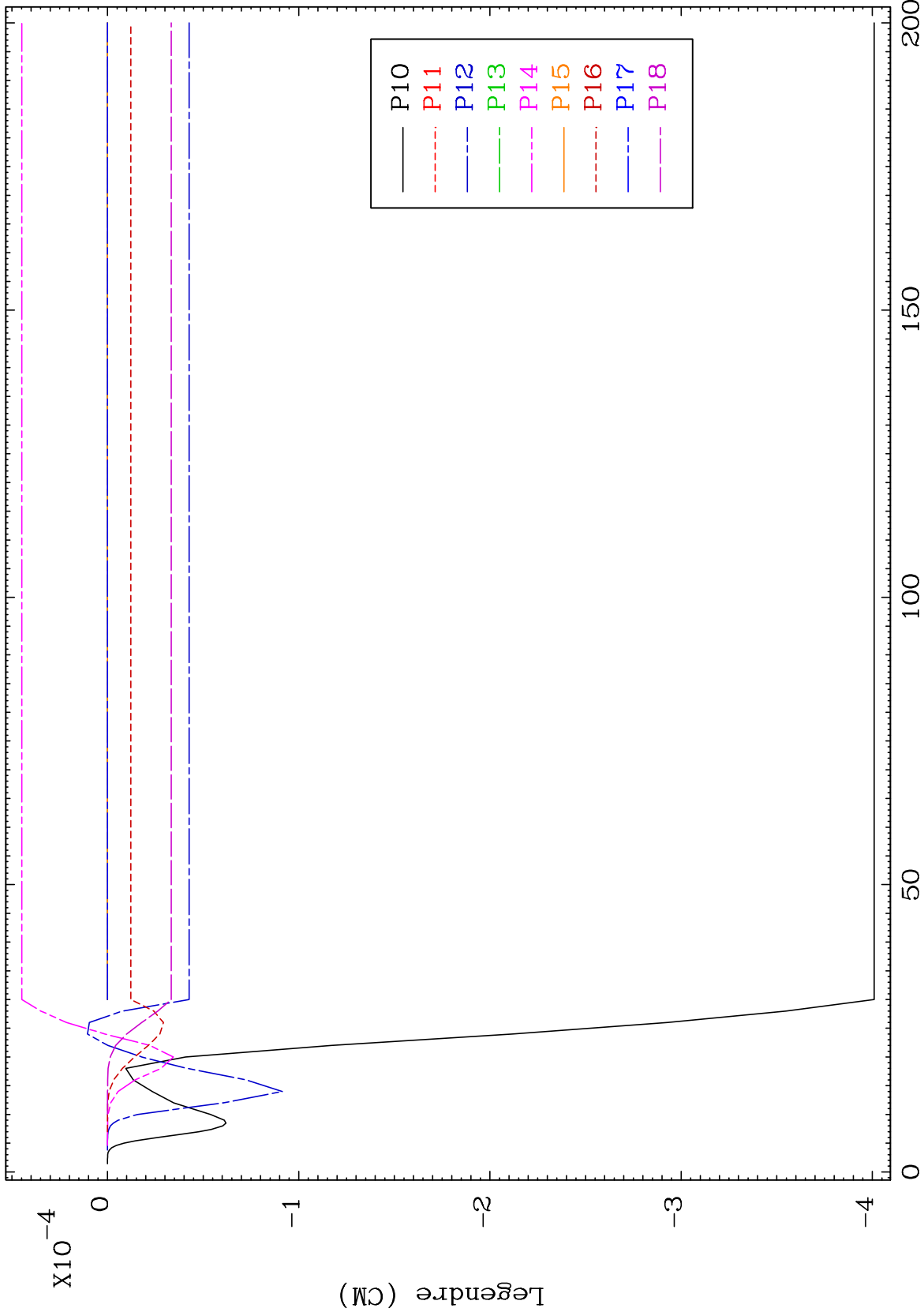
64-Gd-153



MAT 6428

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

64-Gd-153



46

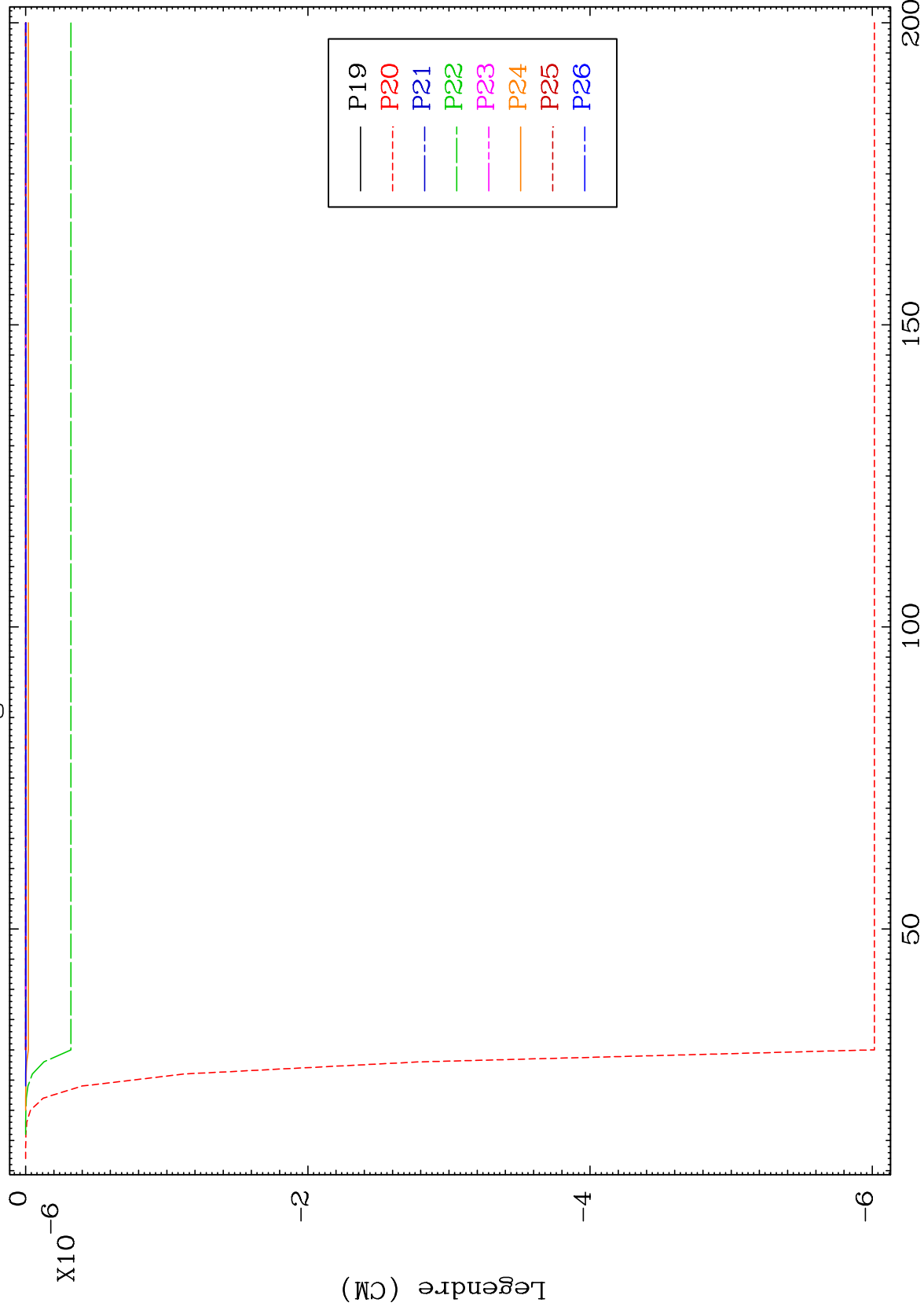
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



47

Incident Energy (MeV)

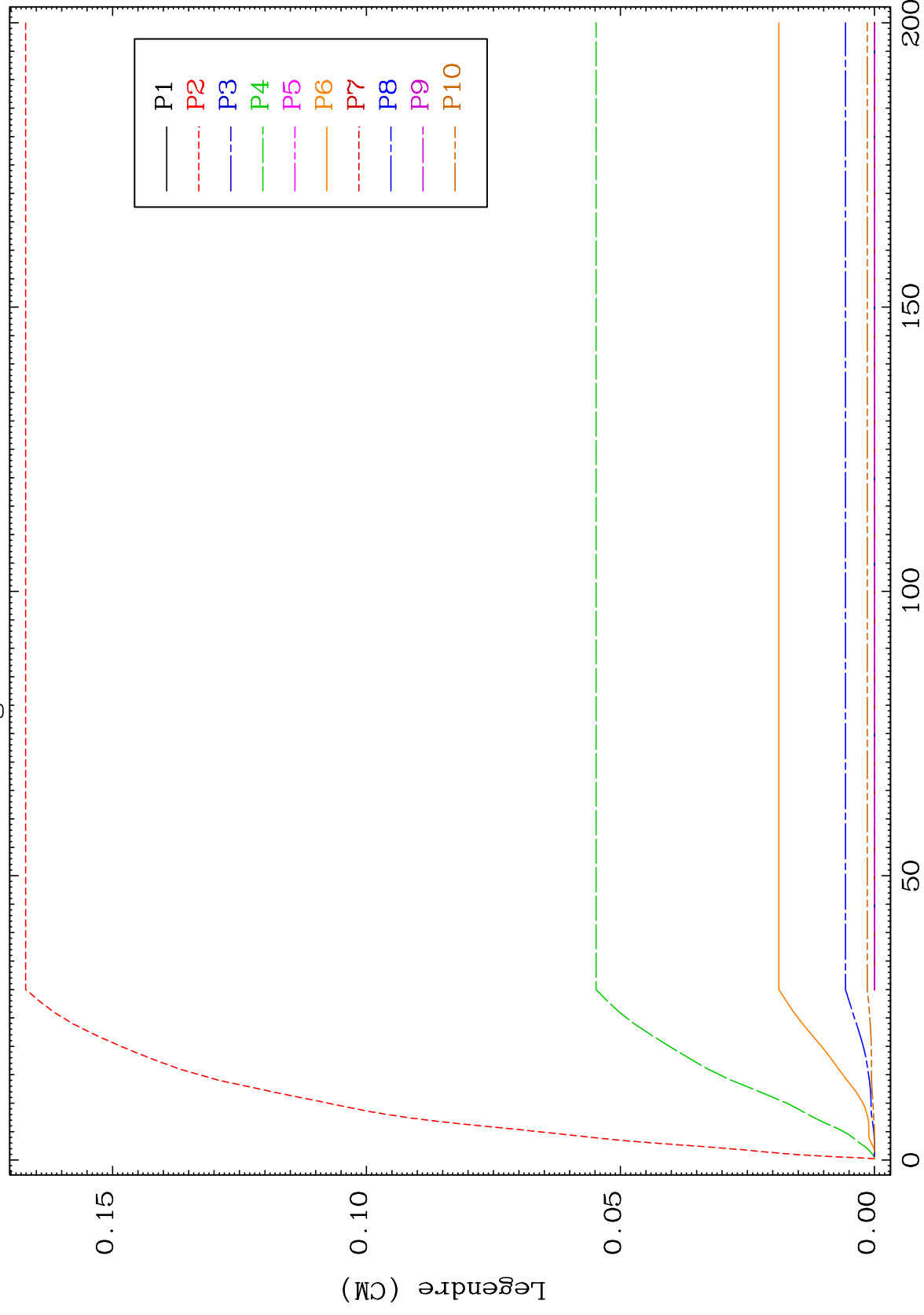
64-Gd-153



MAT 6428

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

64-Gd-153



64-Gd-153

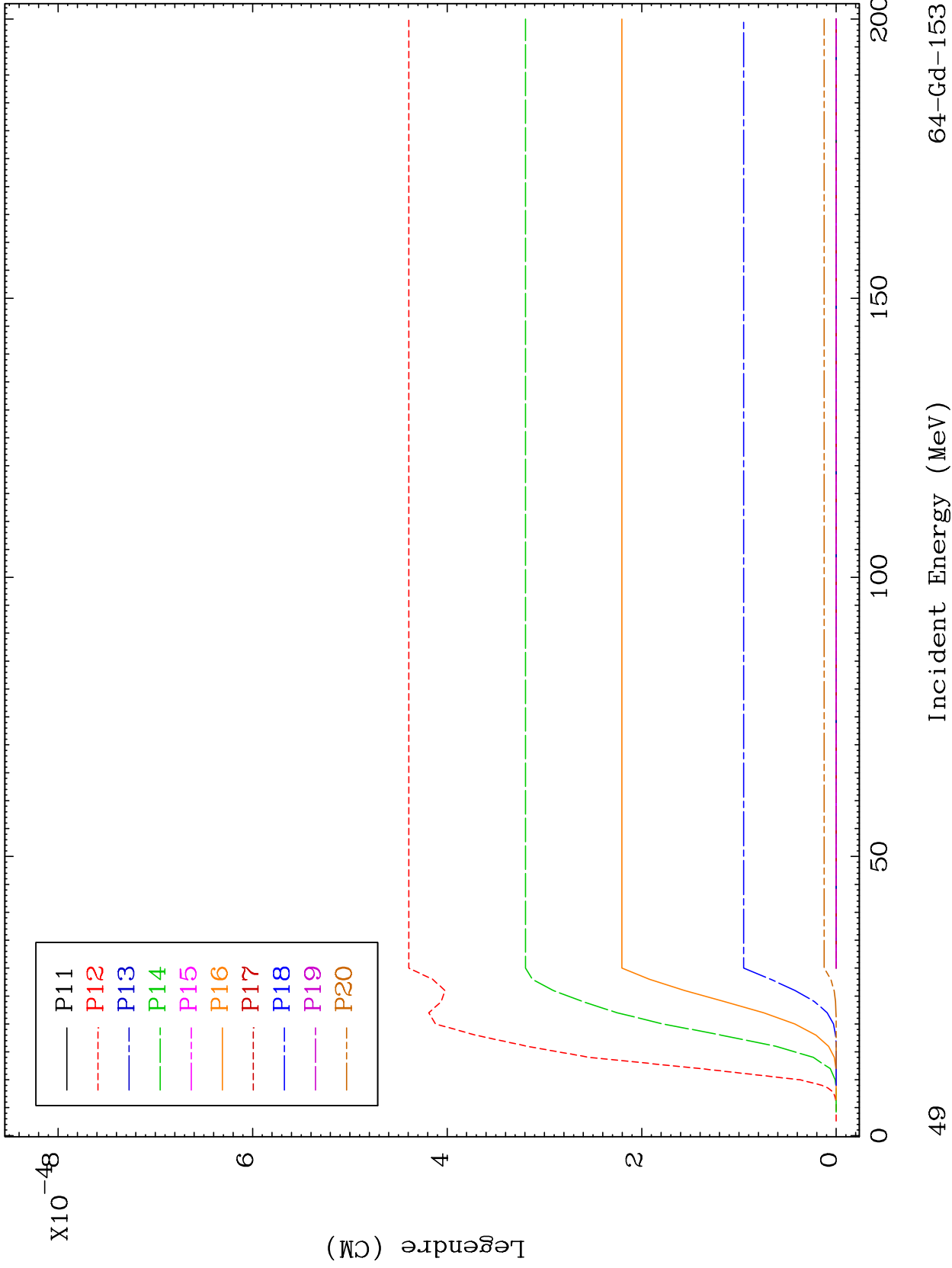
Incident Energy (MeV)

48

MAT 6428

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

64-Gd-153



49

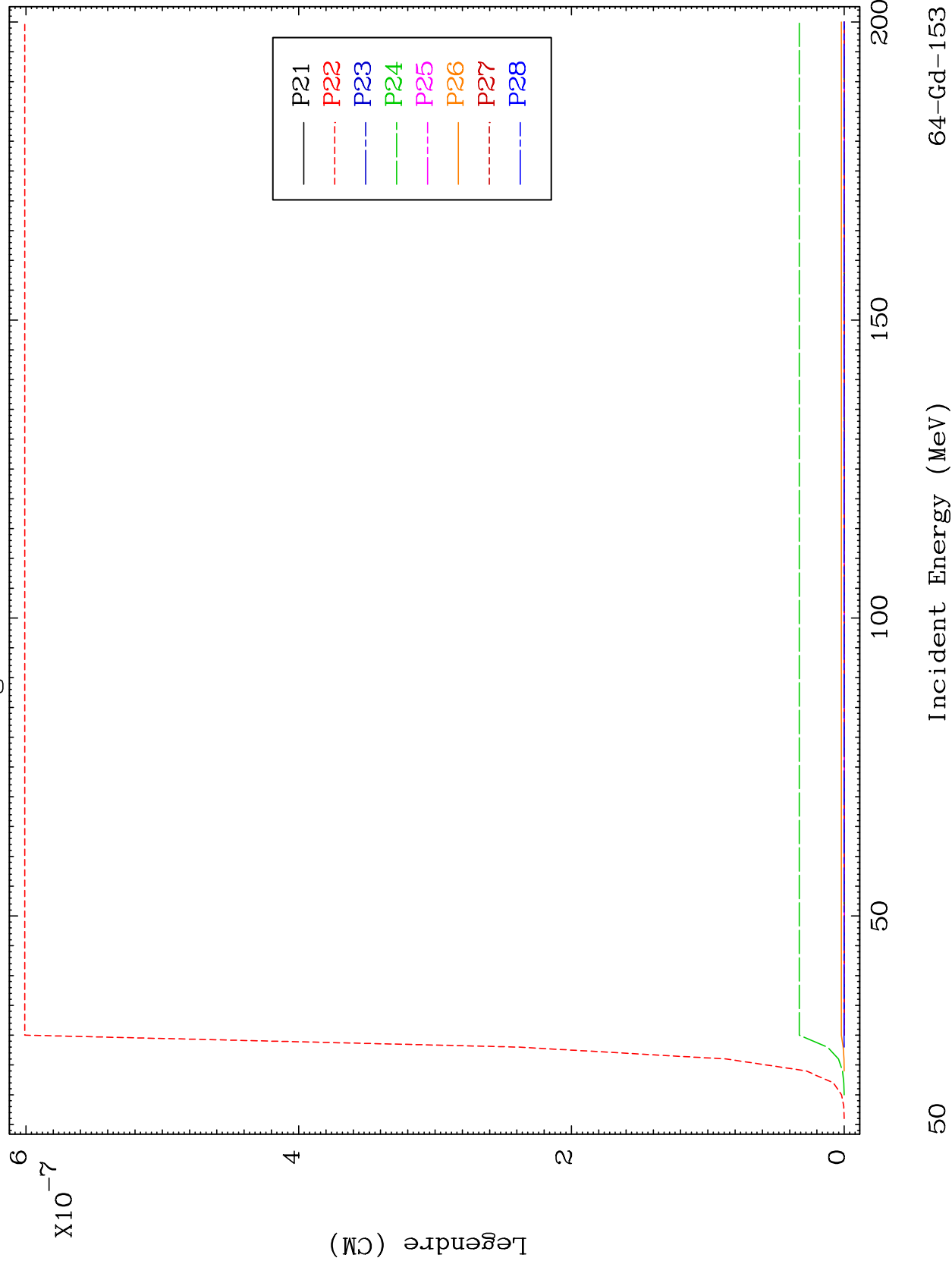
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

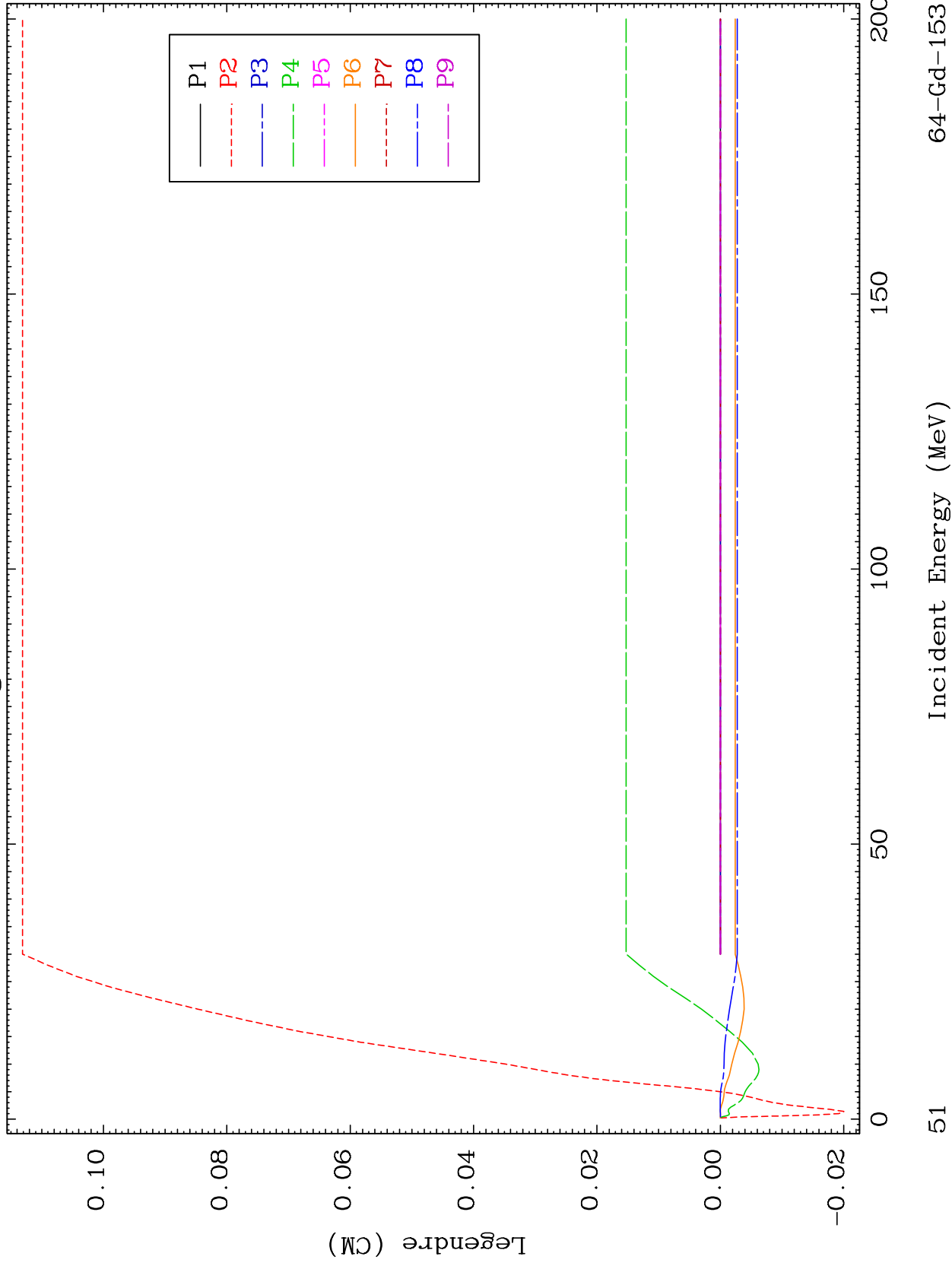
64-Gd-153



MAT 6428

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

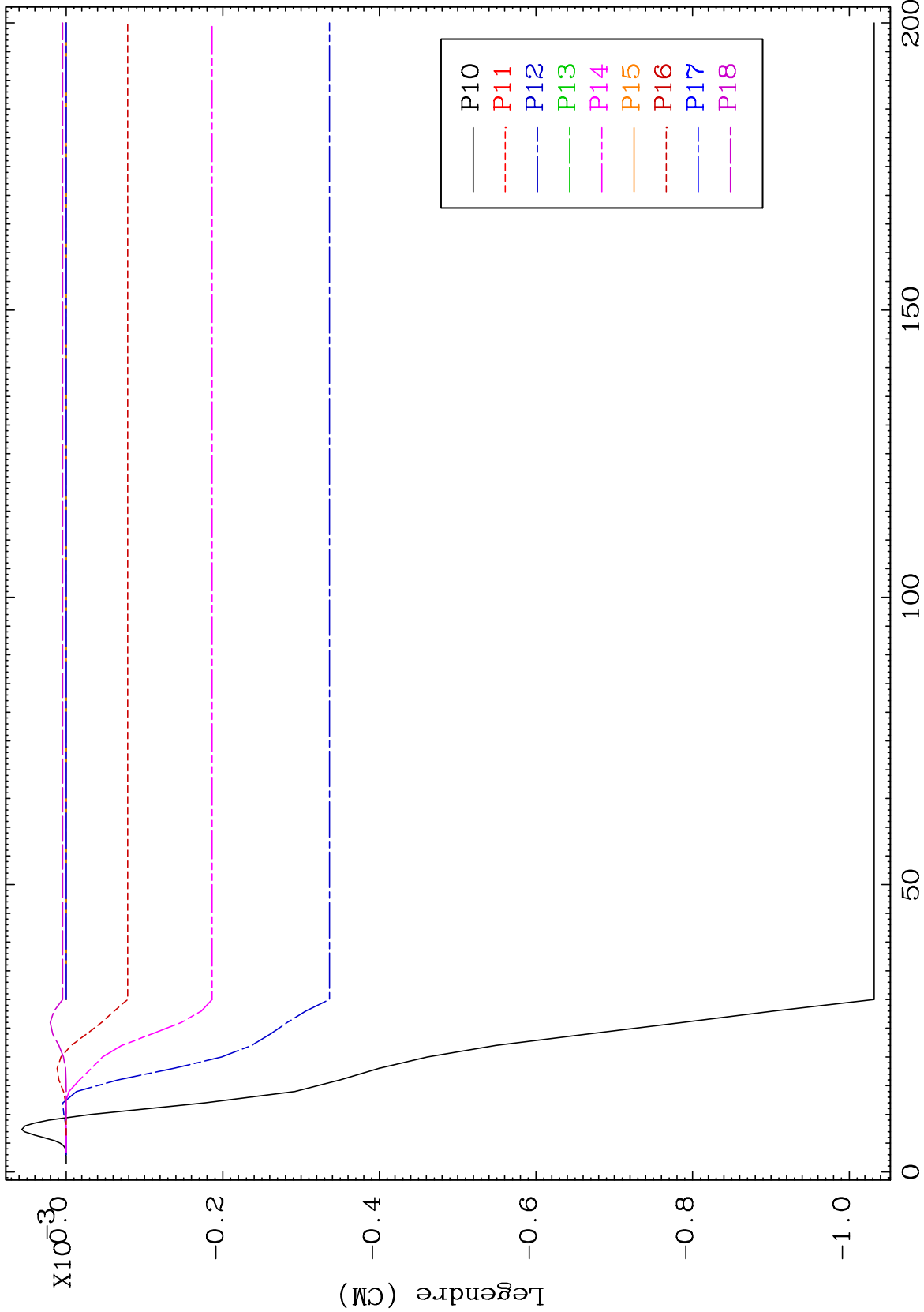
64-Gd-153



64-Gd-153

Incident Energy (MeV)

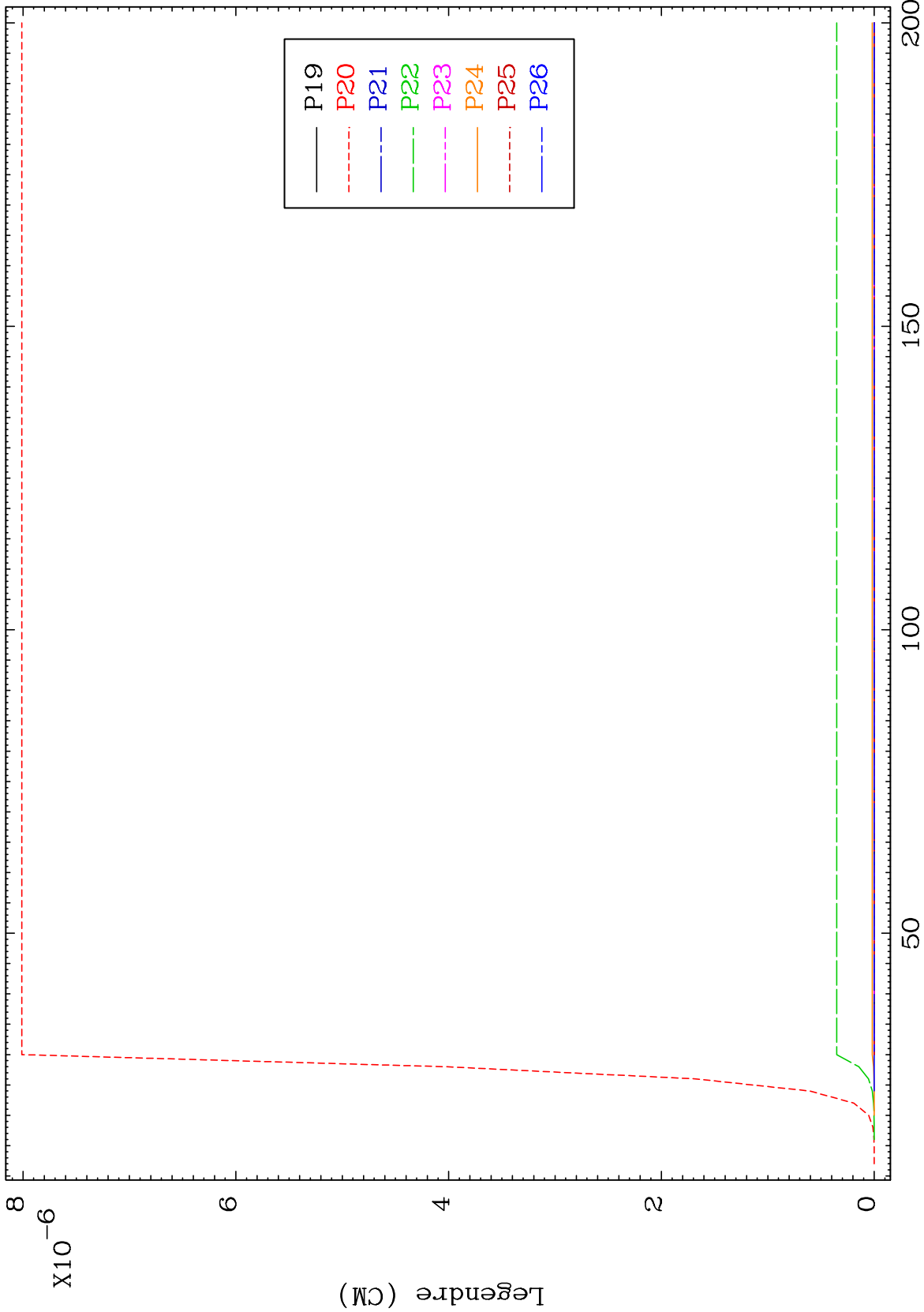
51



MAT 6428

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

64-Gd-153



64-Gd-153

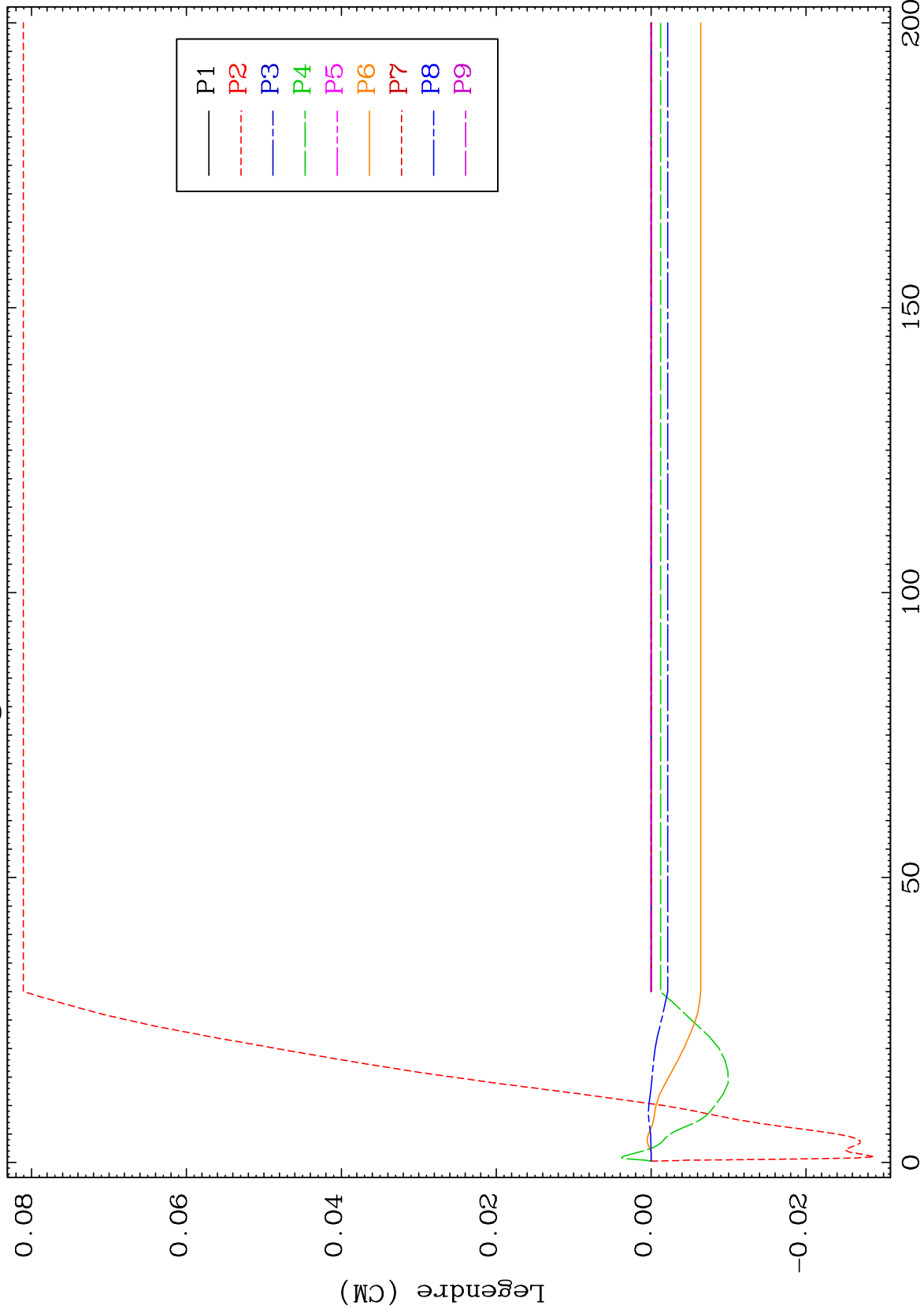
Incident Energy (MeV)

53

MAT 6428

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

64-Gd-153



54

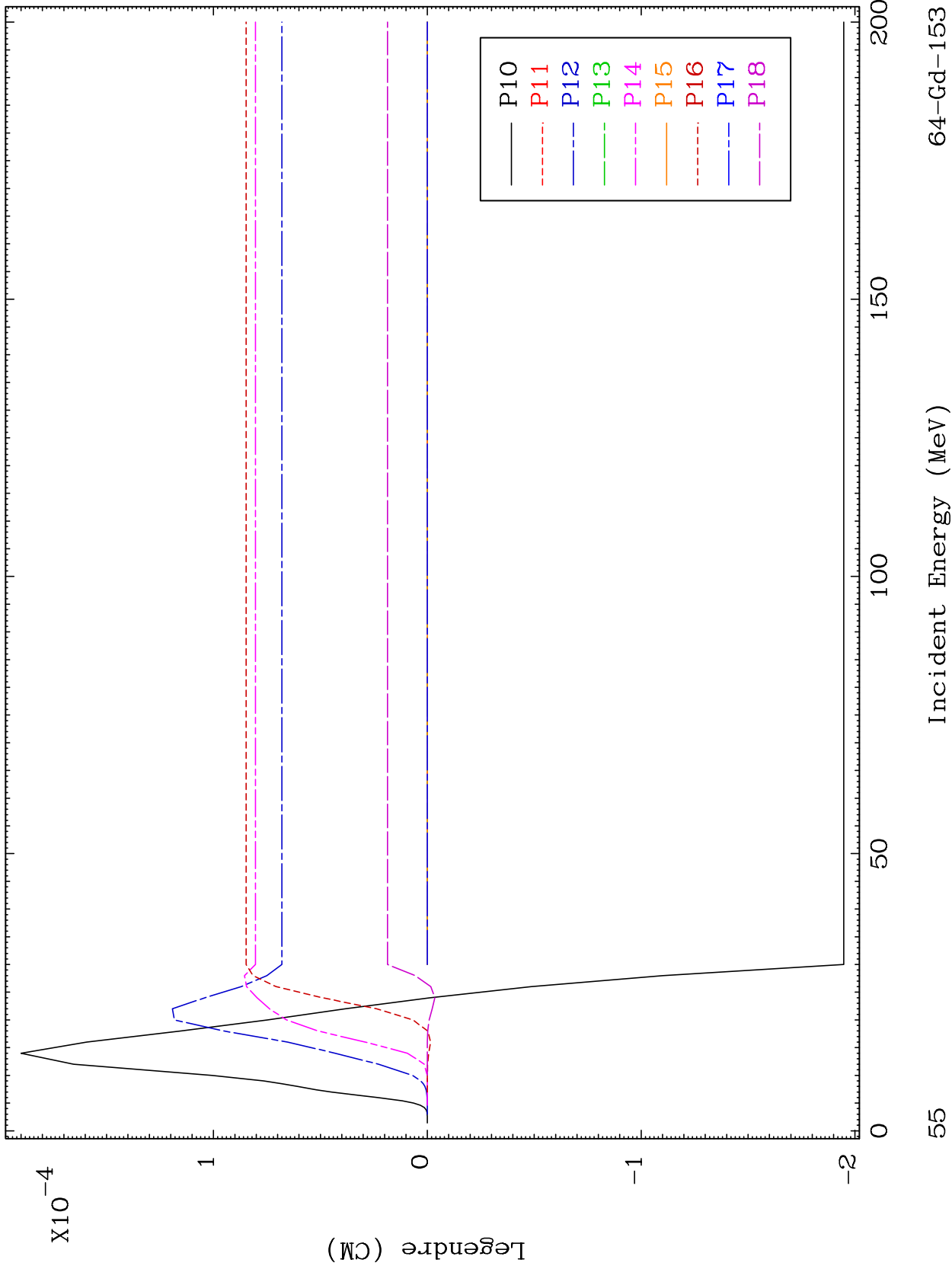
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

Incident Energy (MeV)

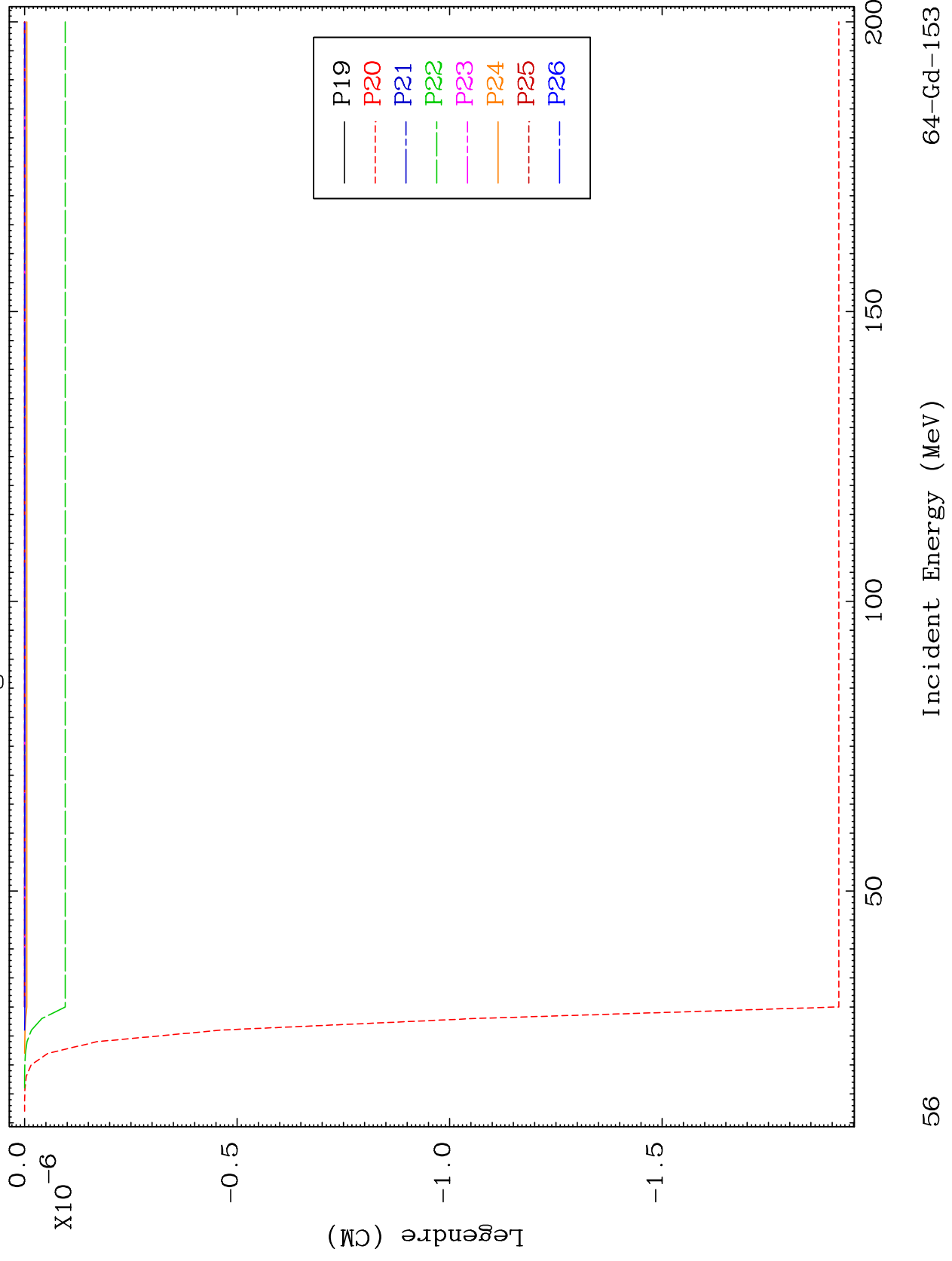
55



MAT 6428

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

64-Gd-153

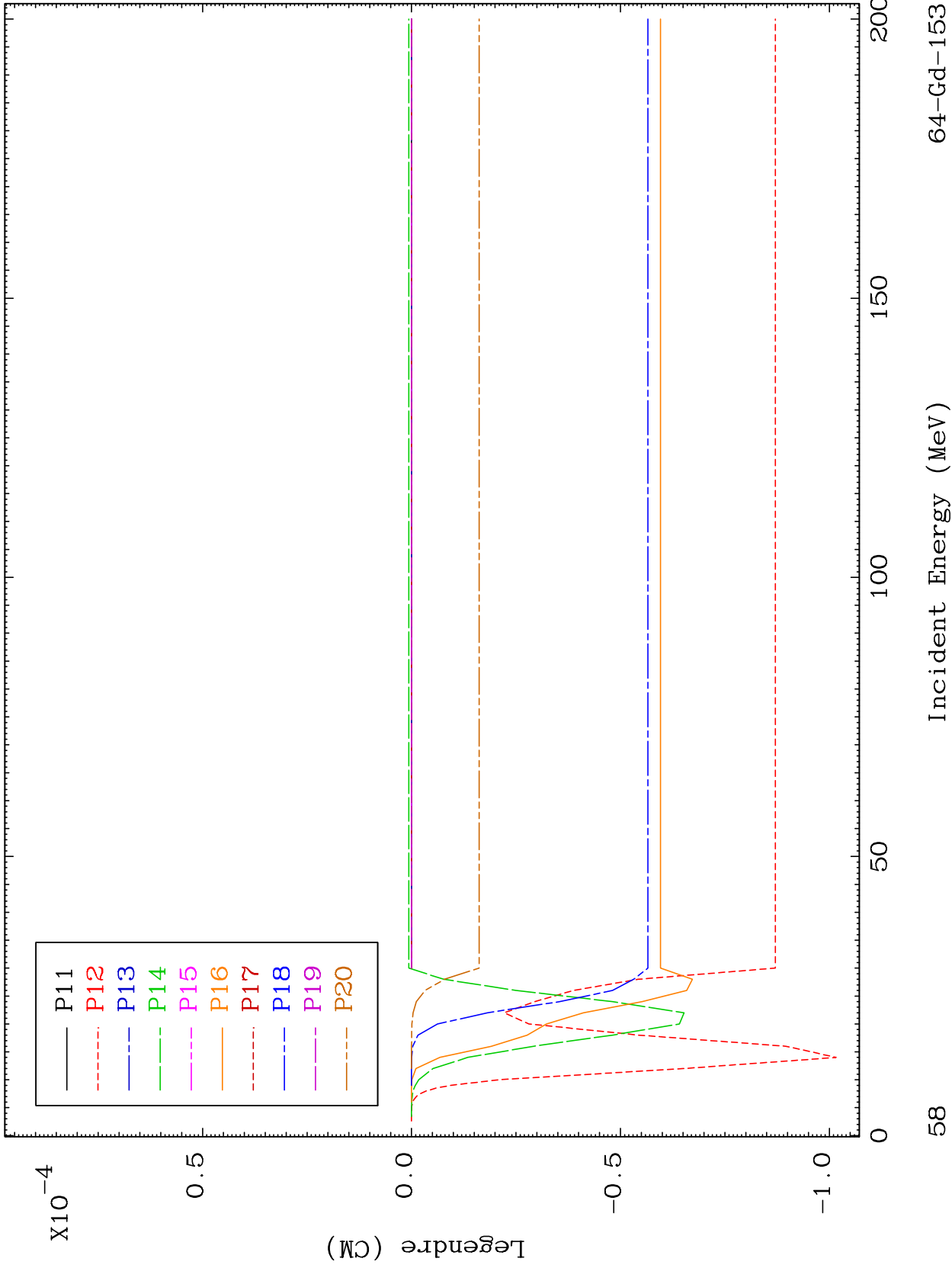


56

Incident Energy (MeV)

64-Gd-153

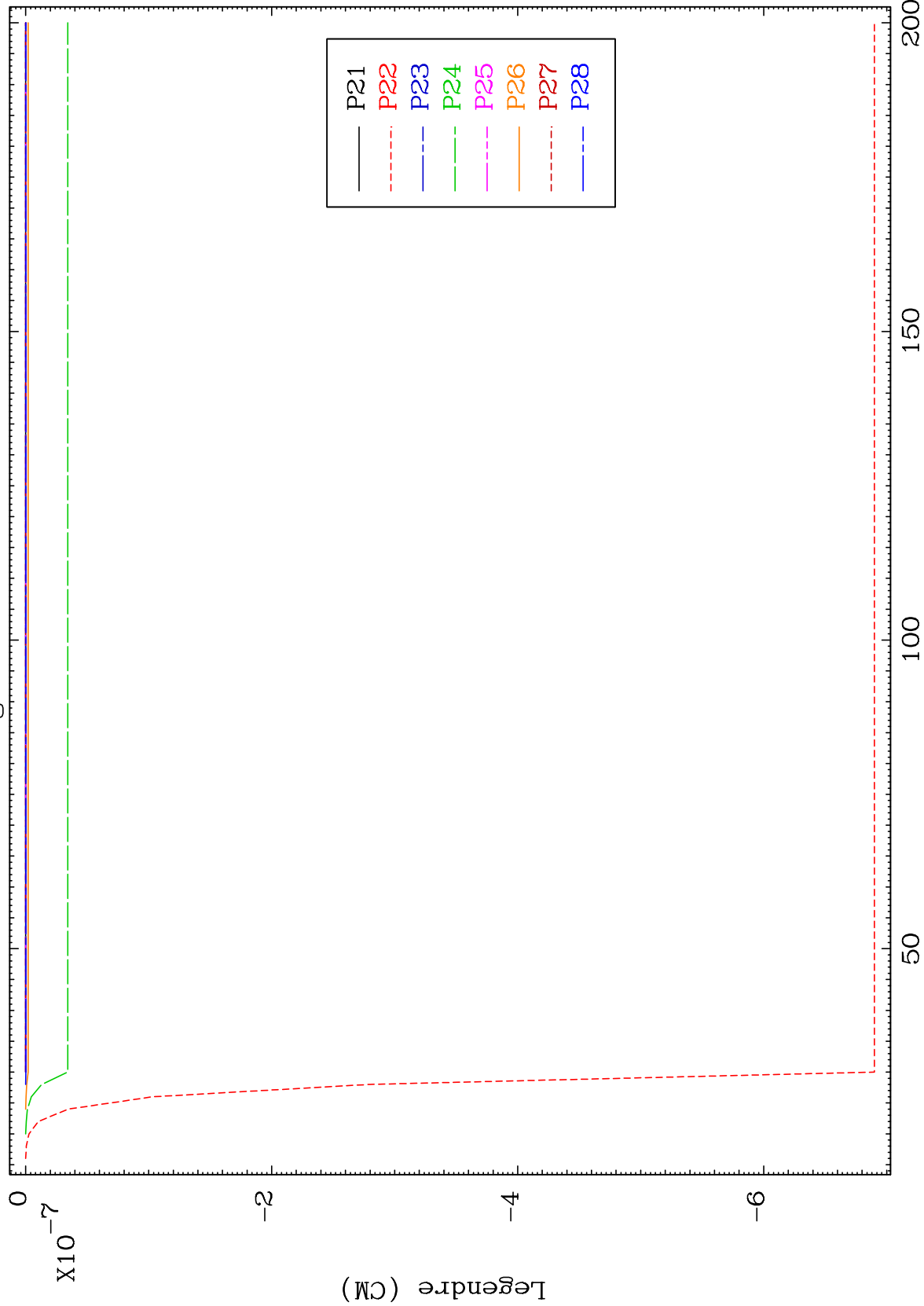




MAT 6428

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

64-Gd-153



59

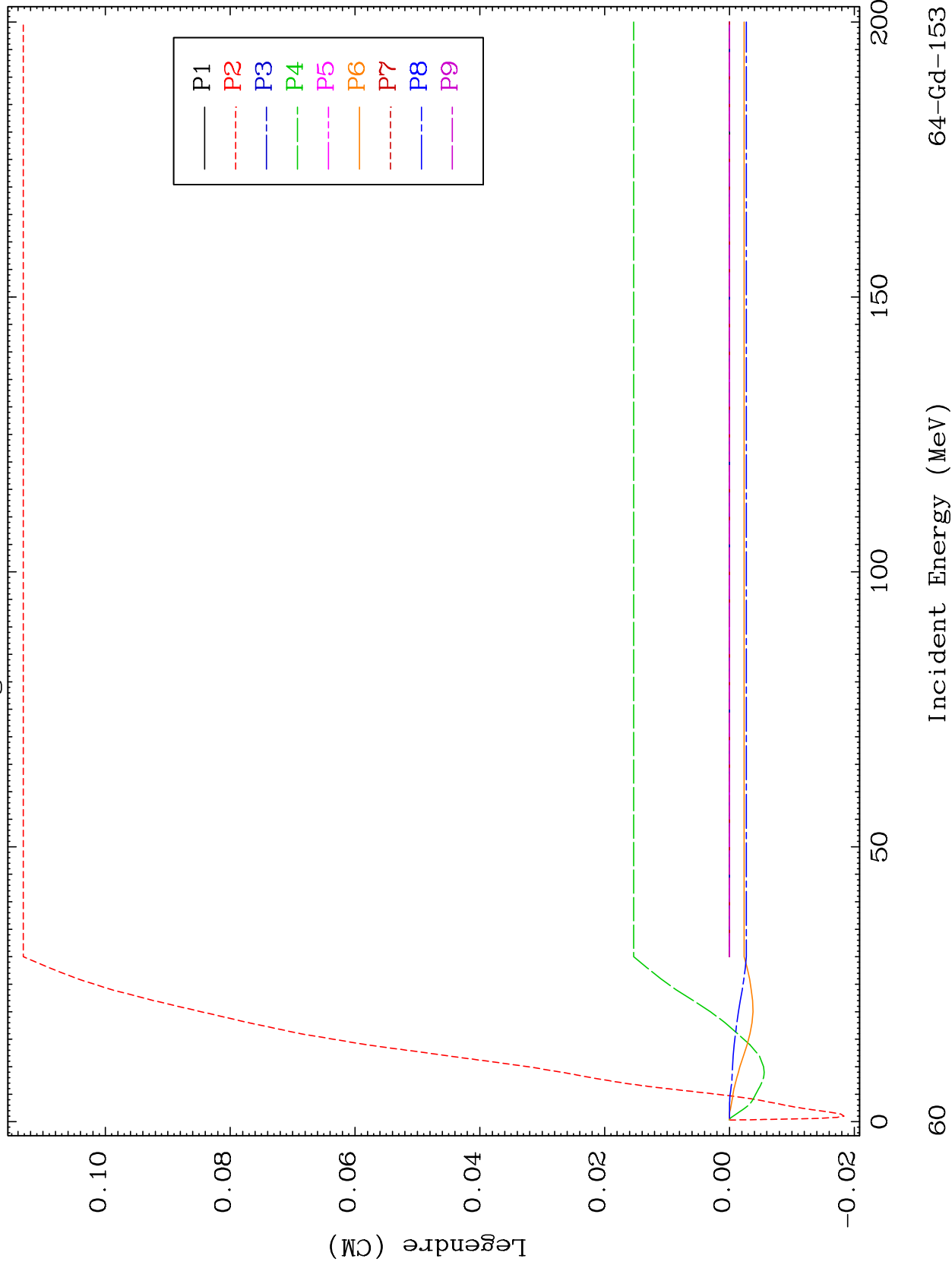
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153

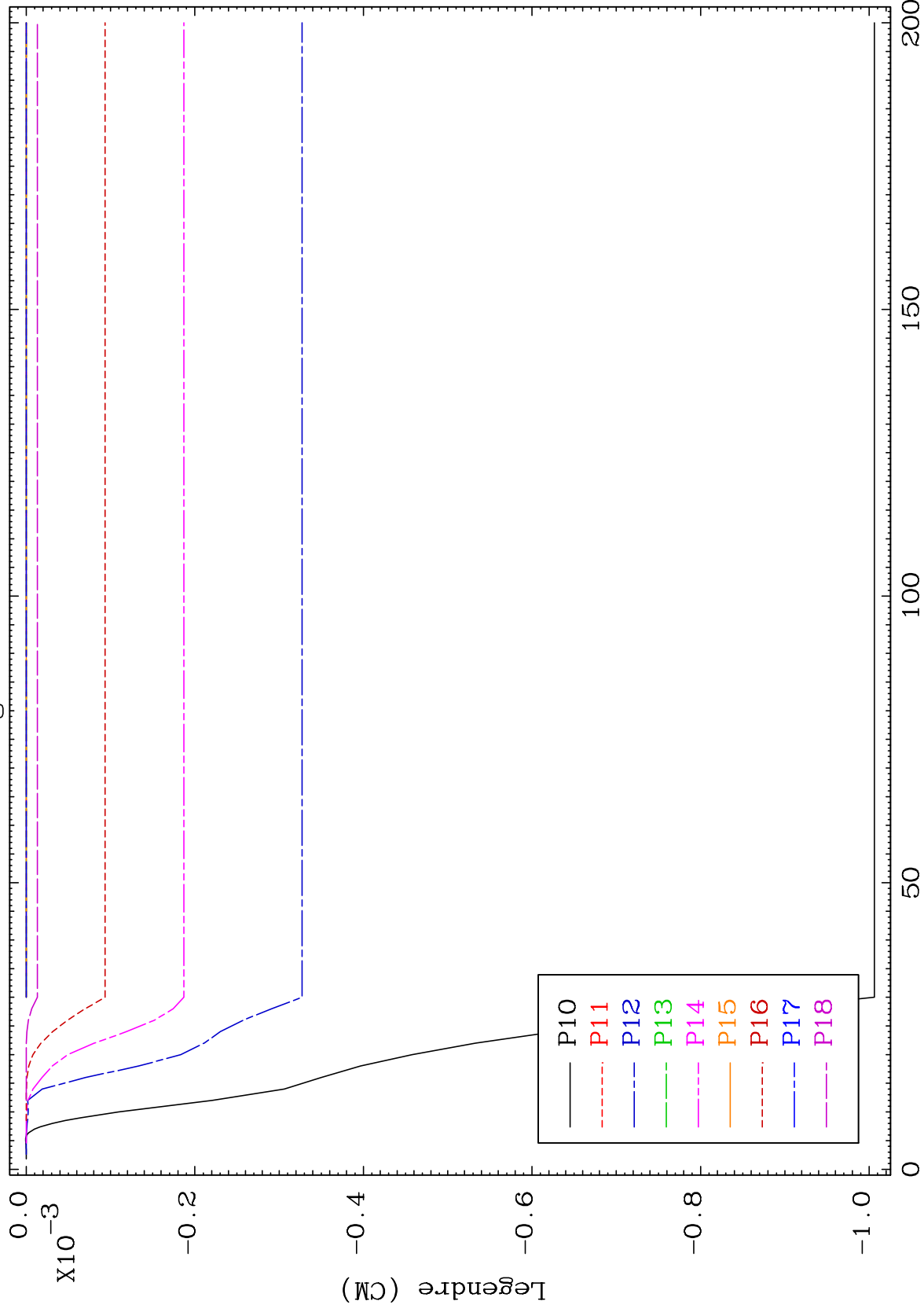


64-Gd-153

MAT 6428

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

64-Gd-153



61

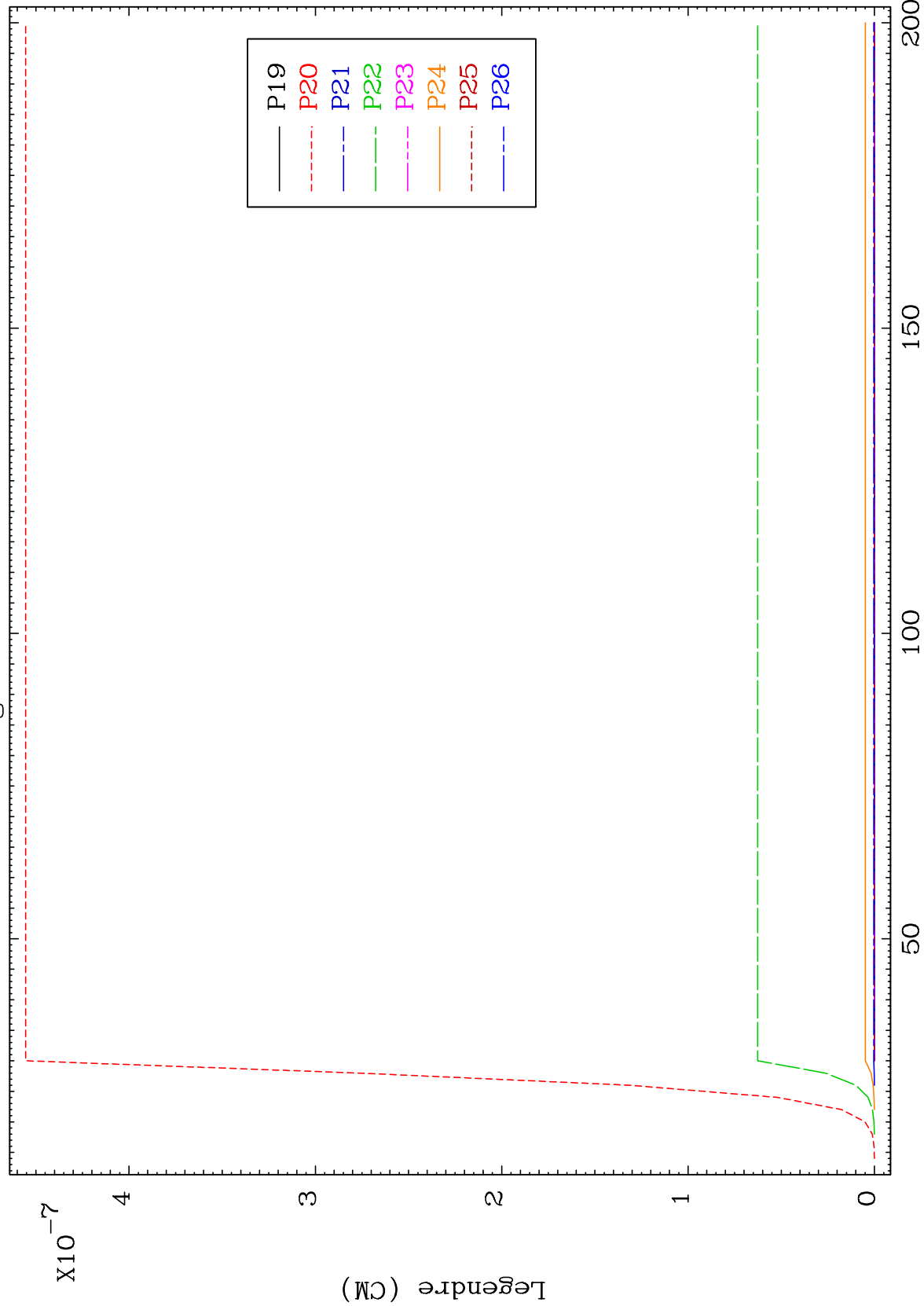
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

Incident Energy (MeV)

62

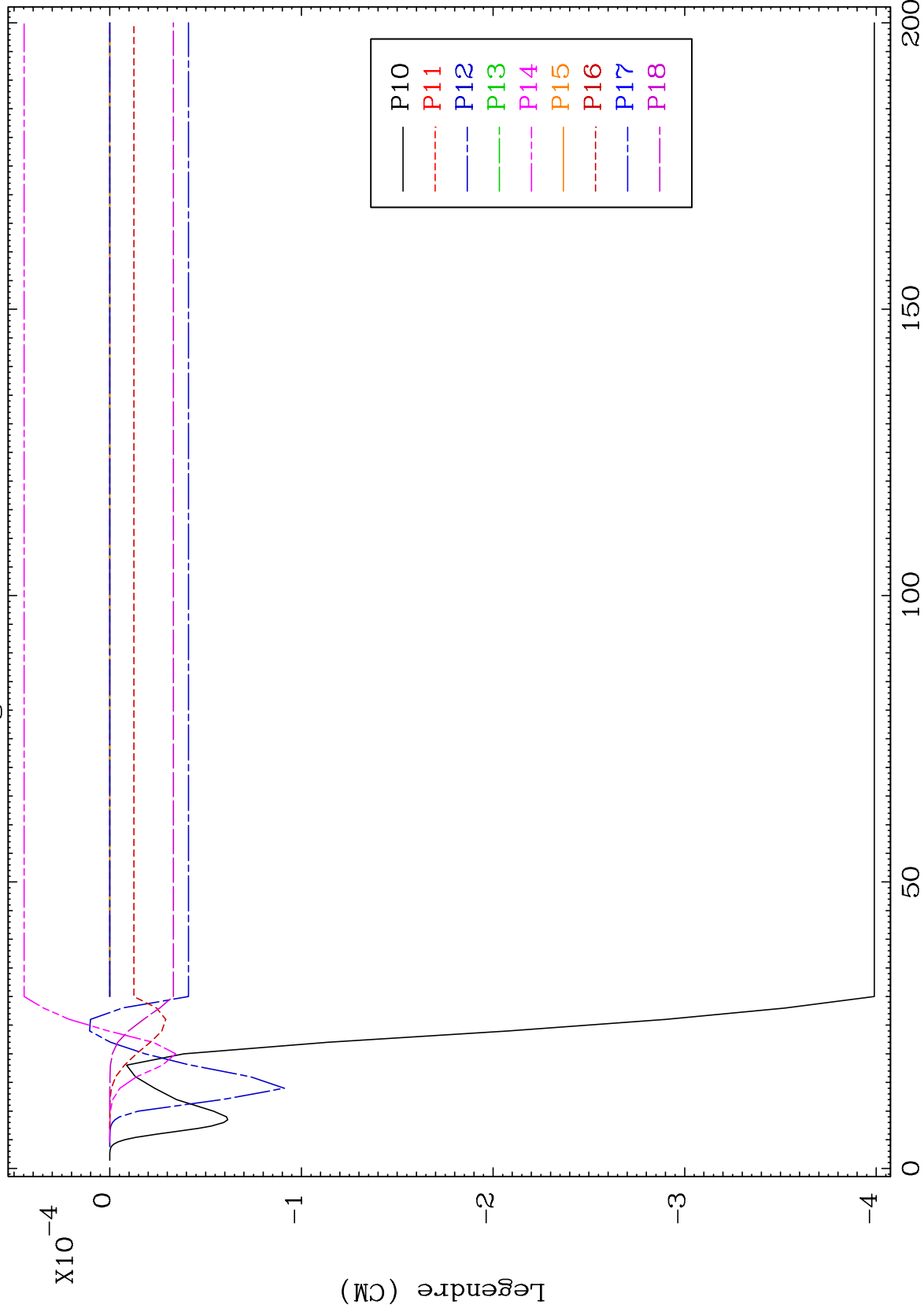




MAT 6428

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

64-Gd-153



64

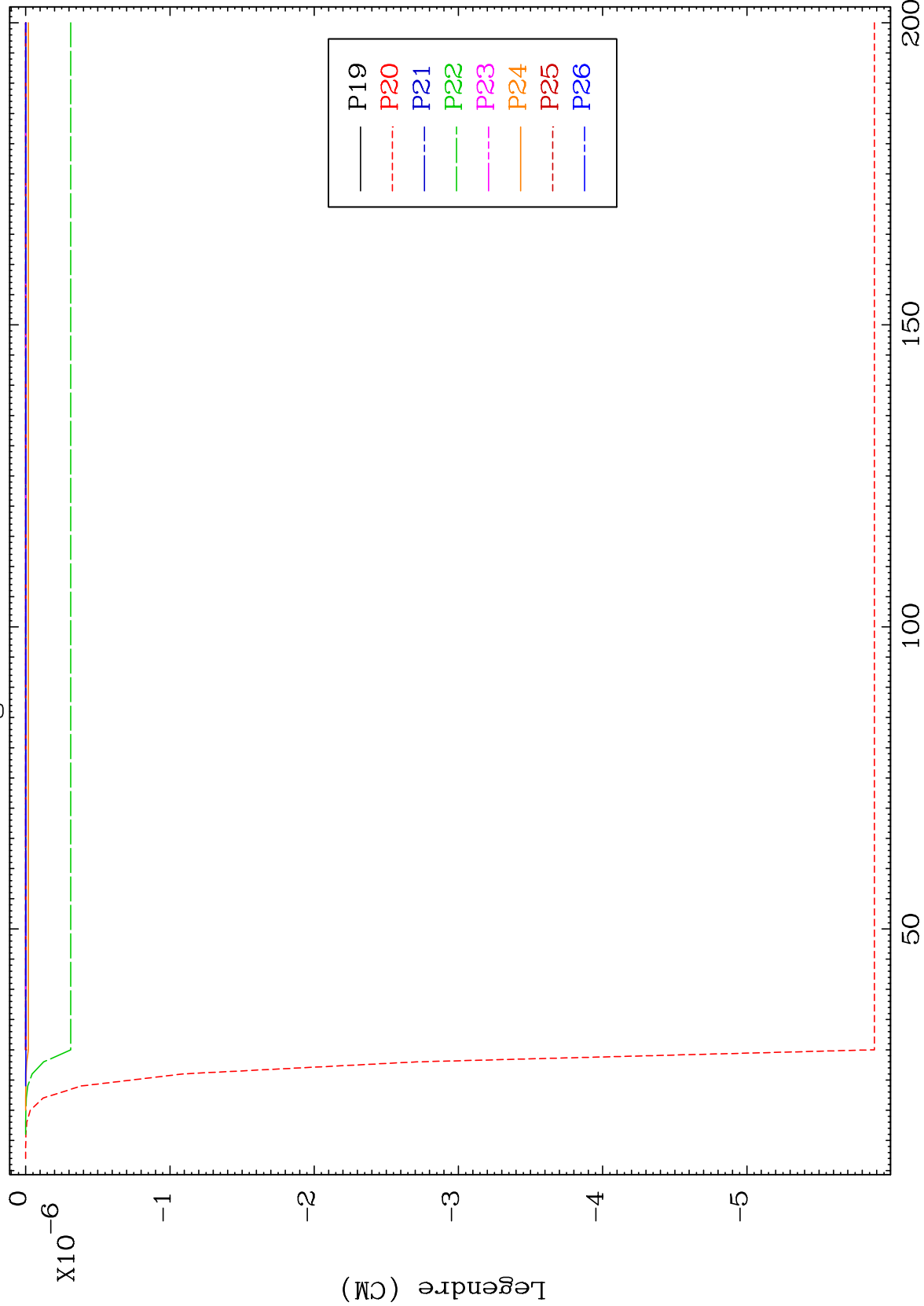
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



65

Incident Energy (MeV)

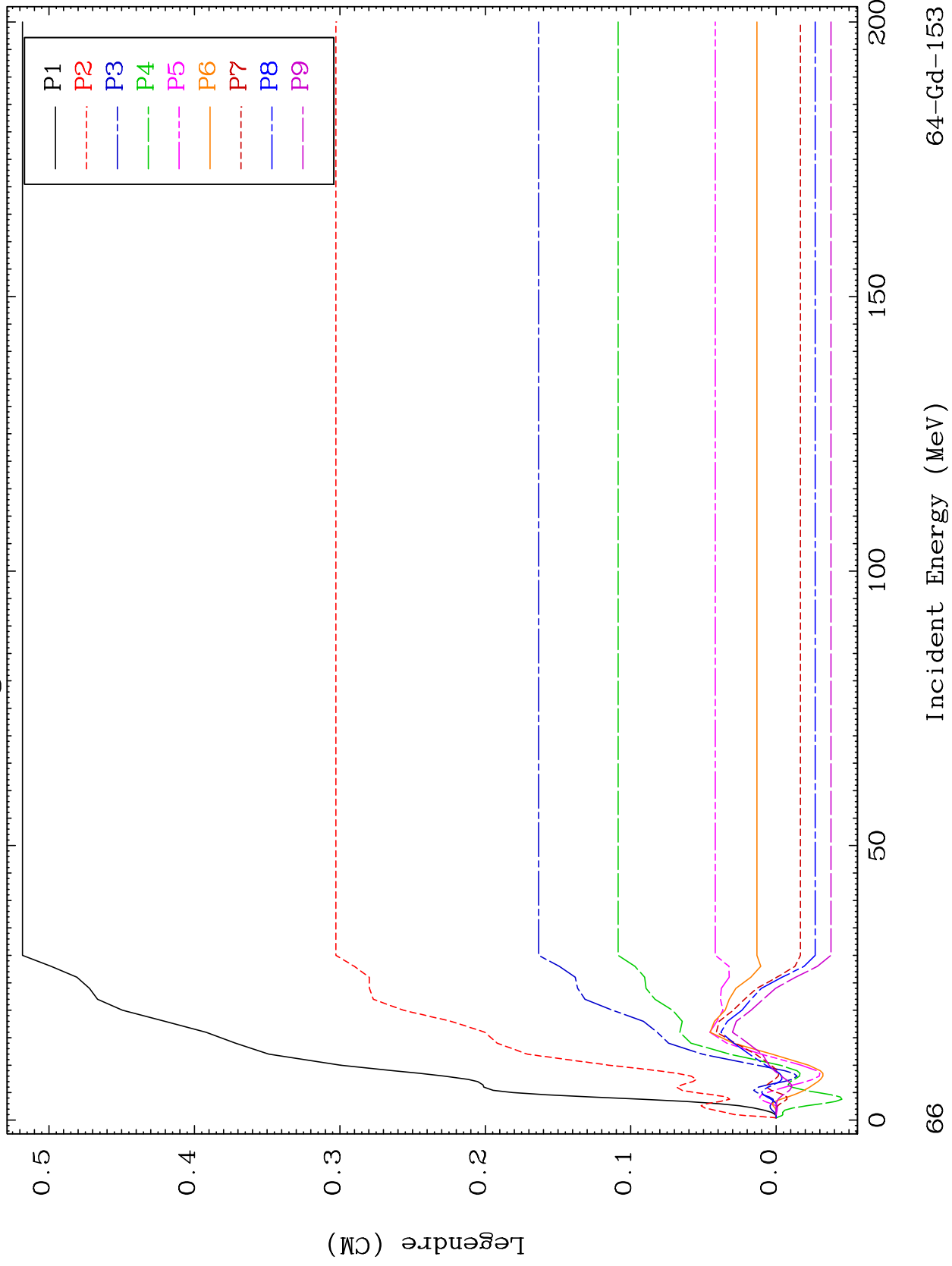
64-Gd-153

MAT 6428

MT= 66 (n,n') Level

64-Gd-153

Legendre Coefficients



66

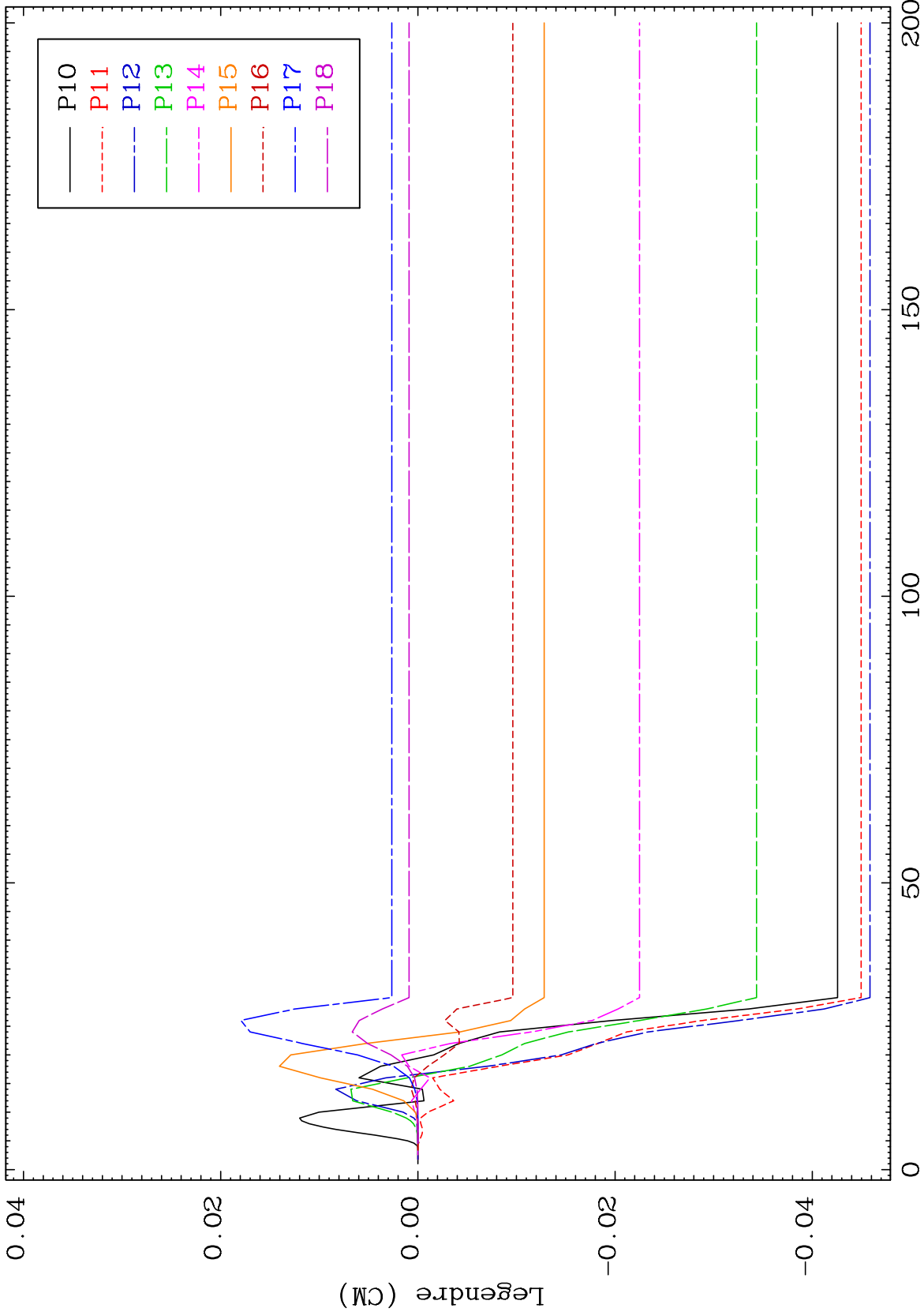
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

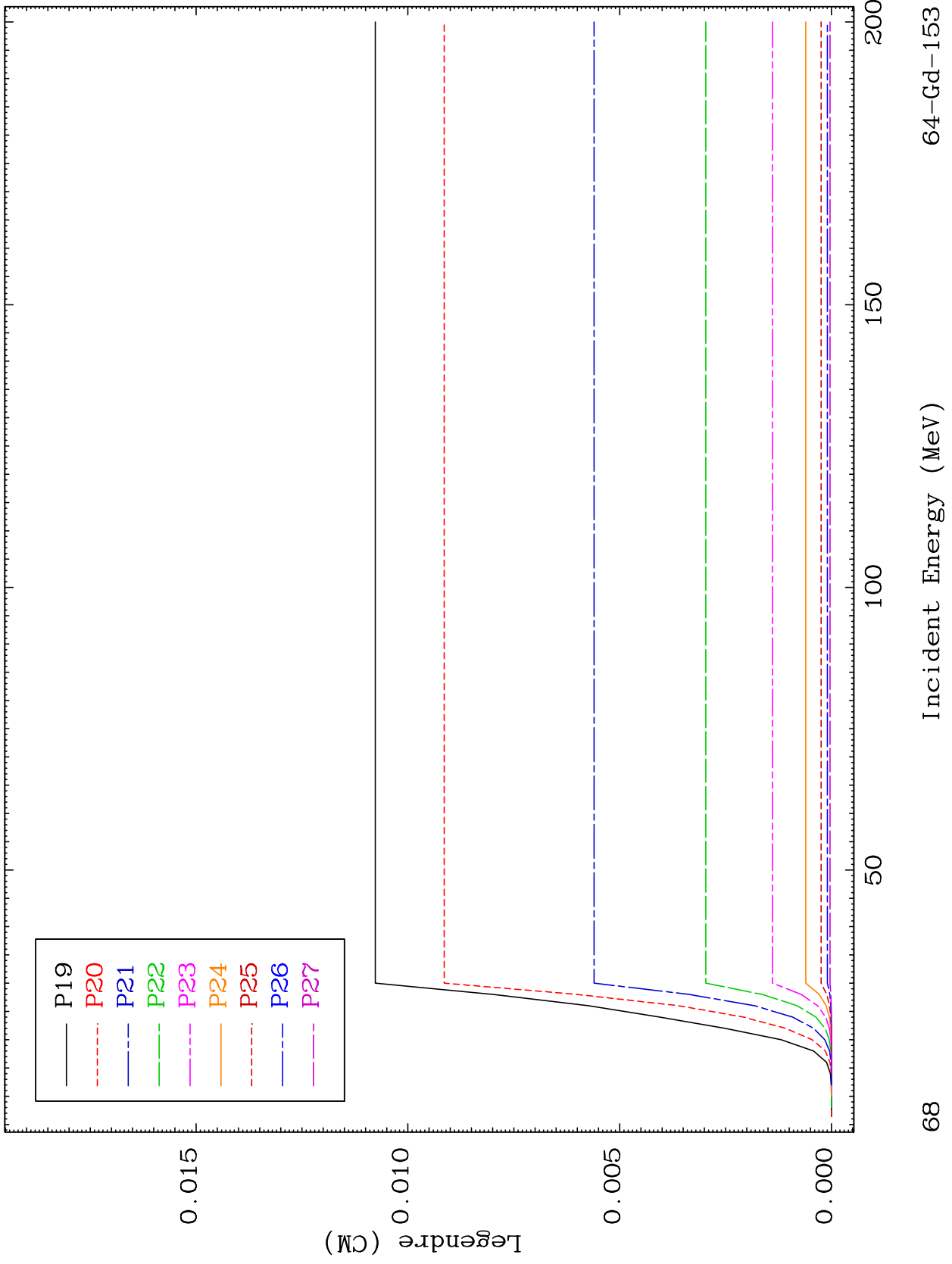
64-Gd-153



67

Incident Energy (MeV)

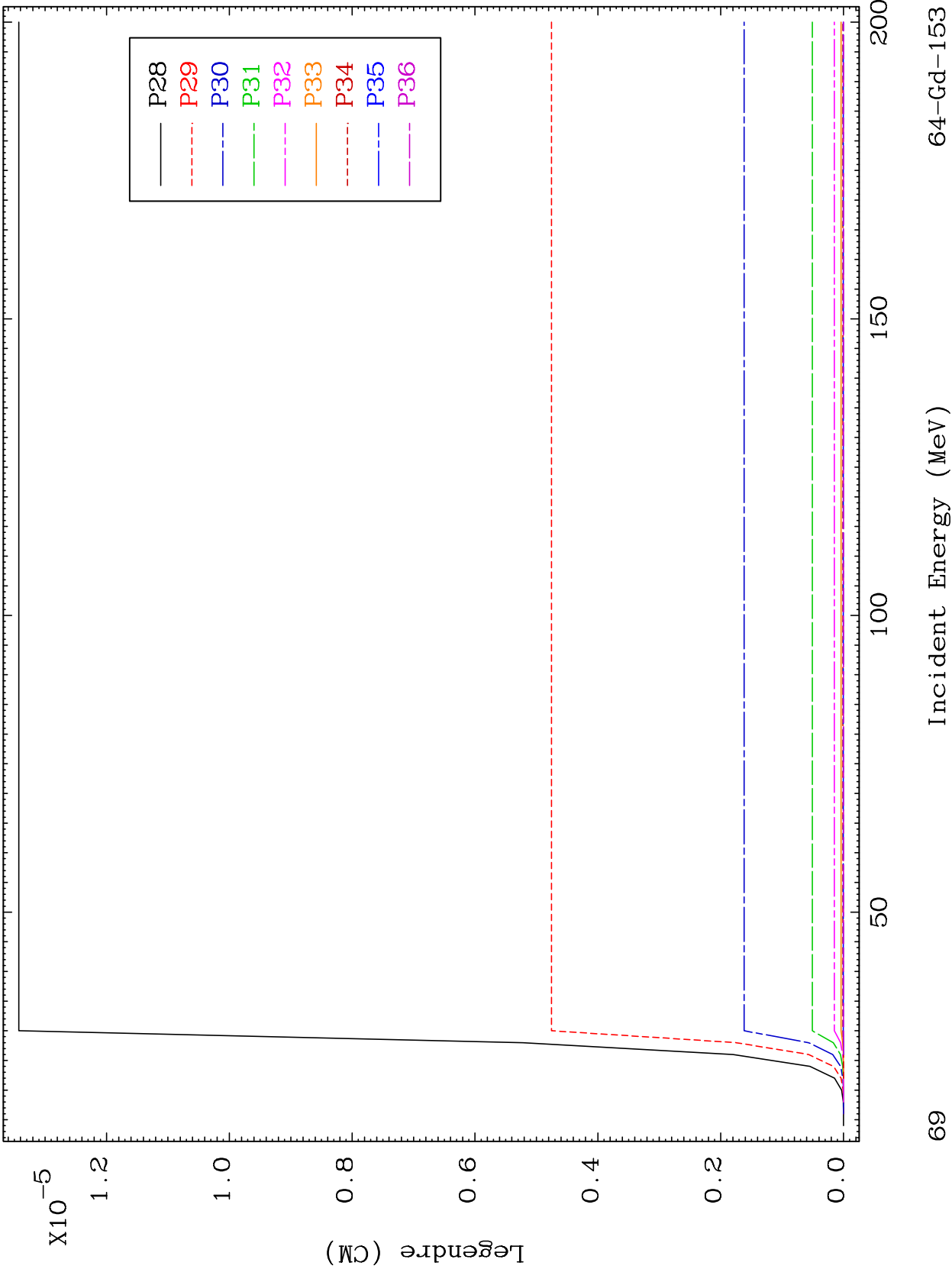
64-Gd-153



MAT 6428

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

64-Gd-153

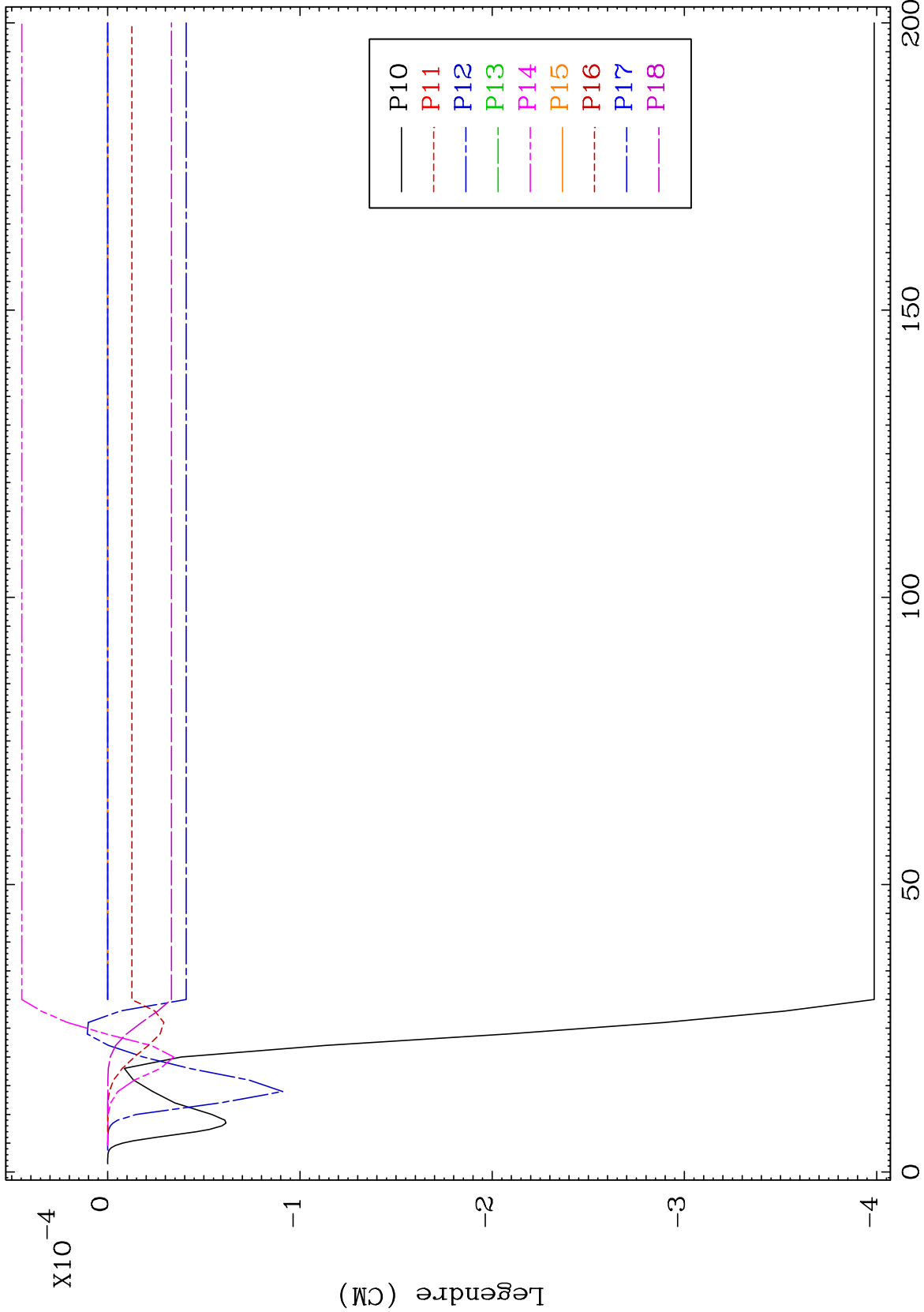


69

Incident Energy (MeV)

64-Gd-153



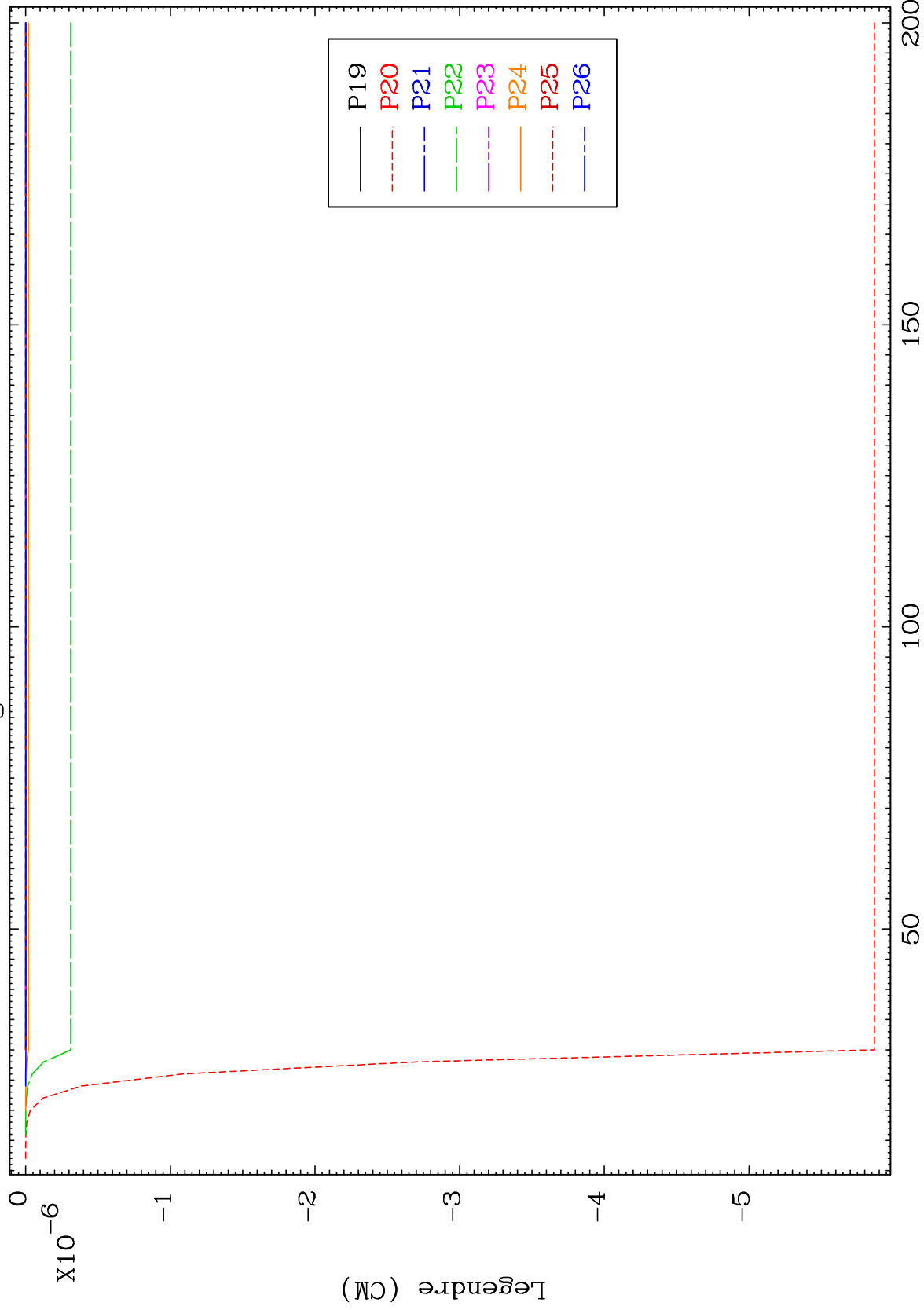




MAT 6428

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

64-Gd-153



72

Incident Energy (MeV)

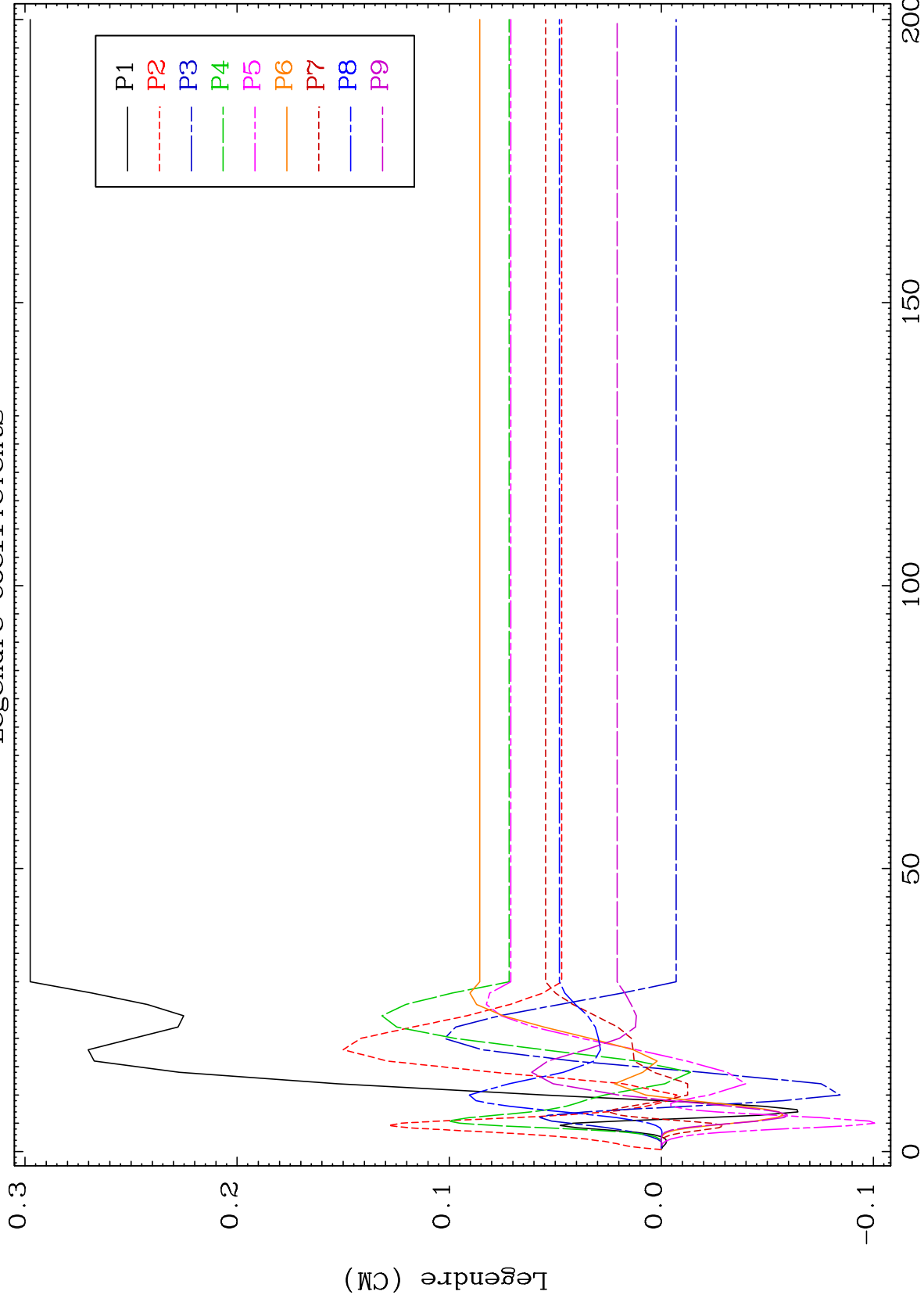
64-Gd-153

MAT 6428

MT= 68 (n,n') Level

64-Gd-153

Legendre Coefficients



73

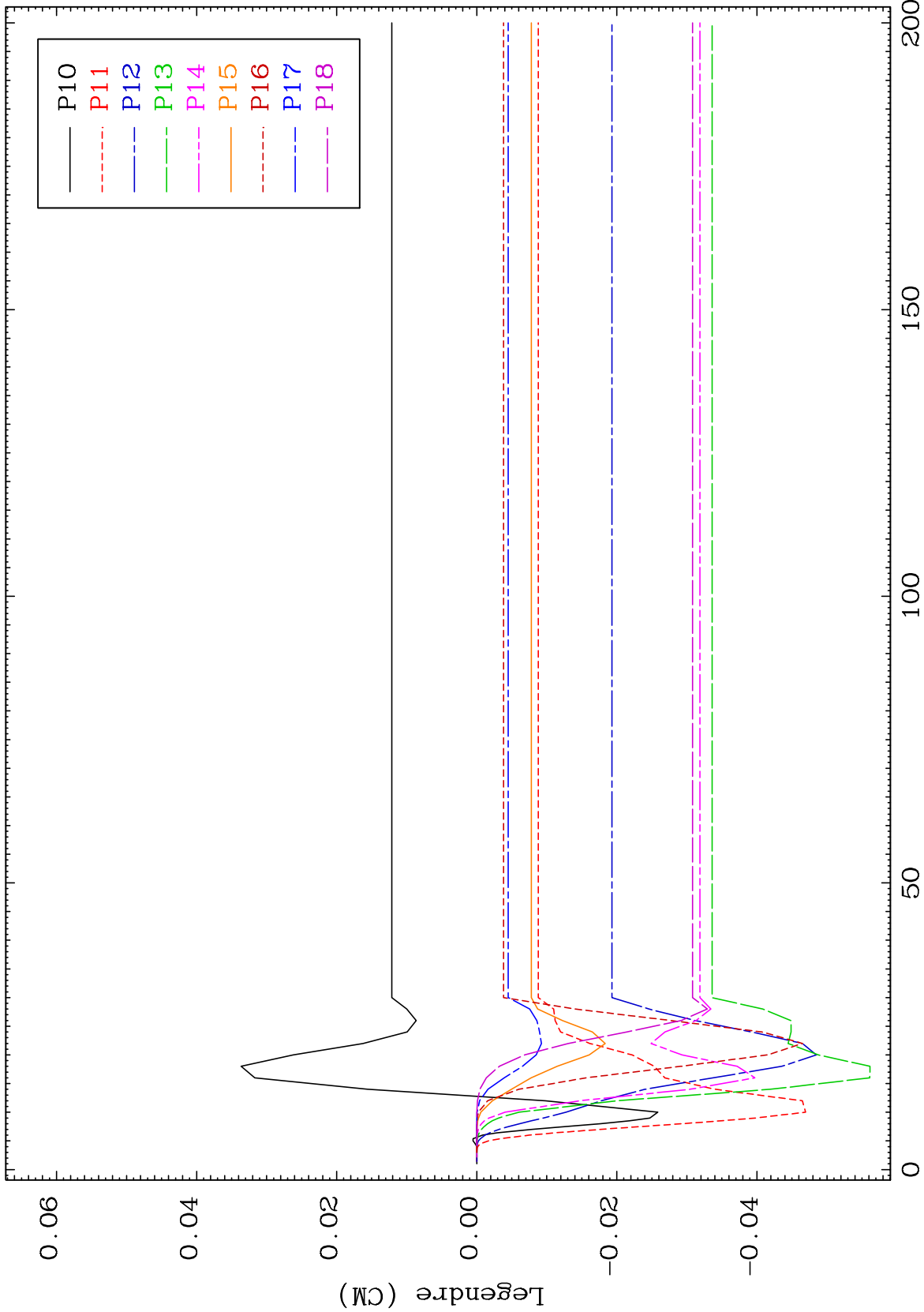
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



74

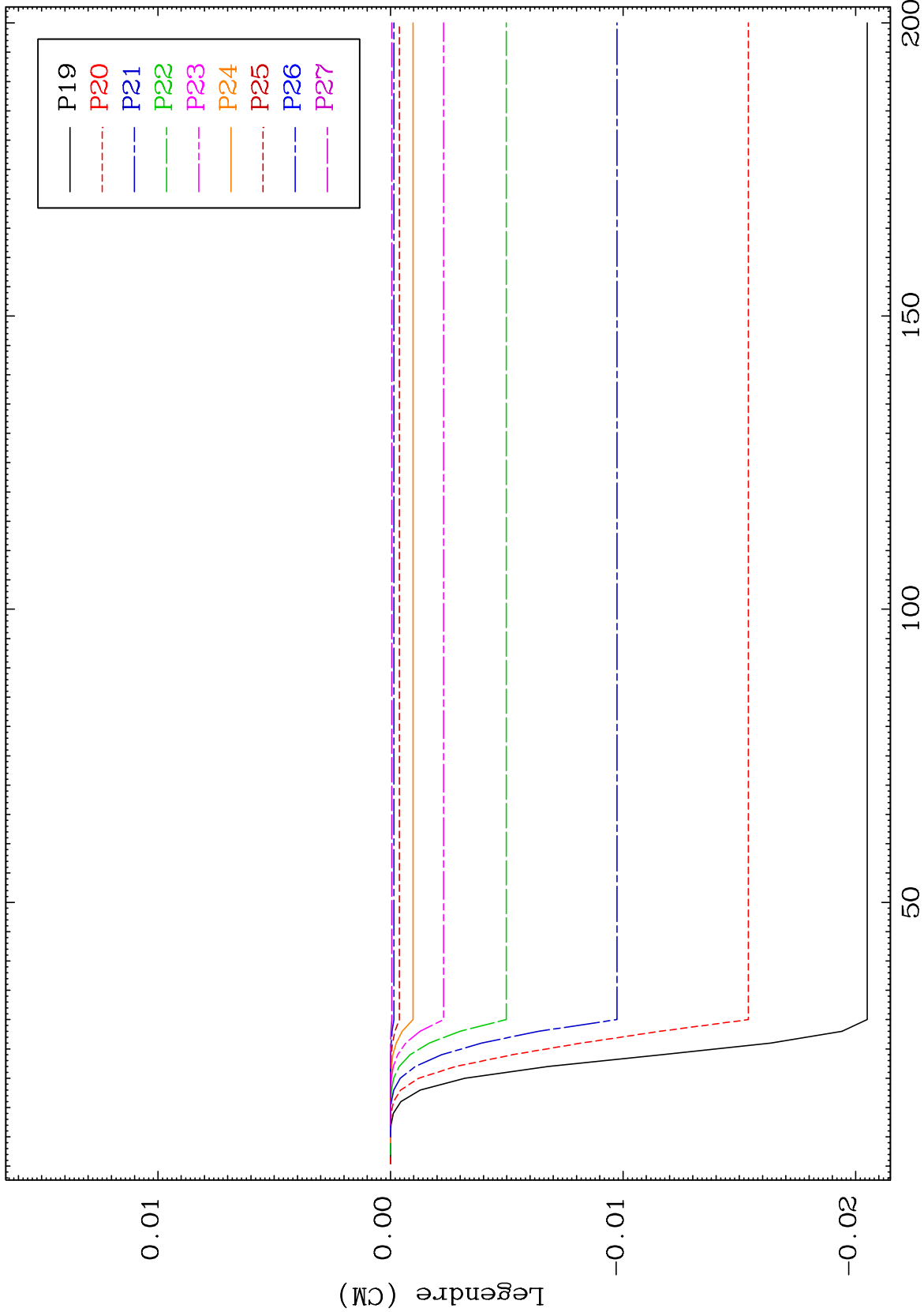
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



75

Incident Energy (MeV)

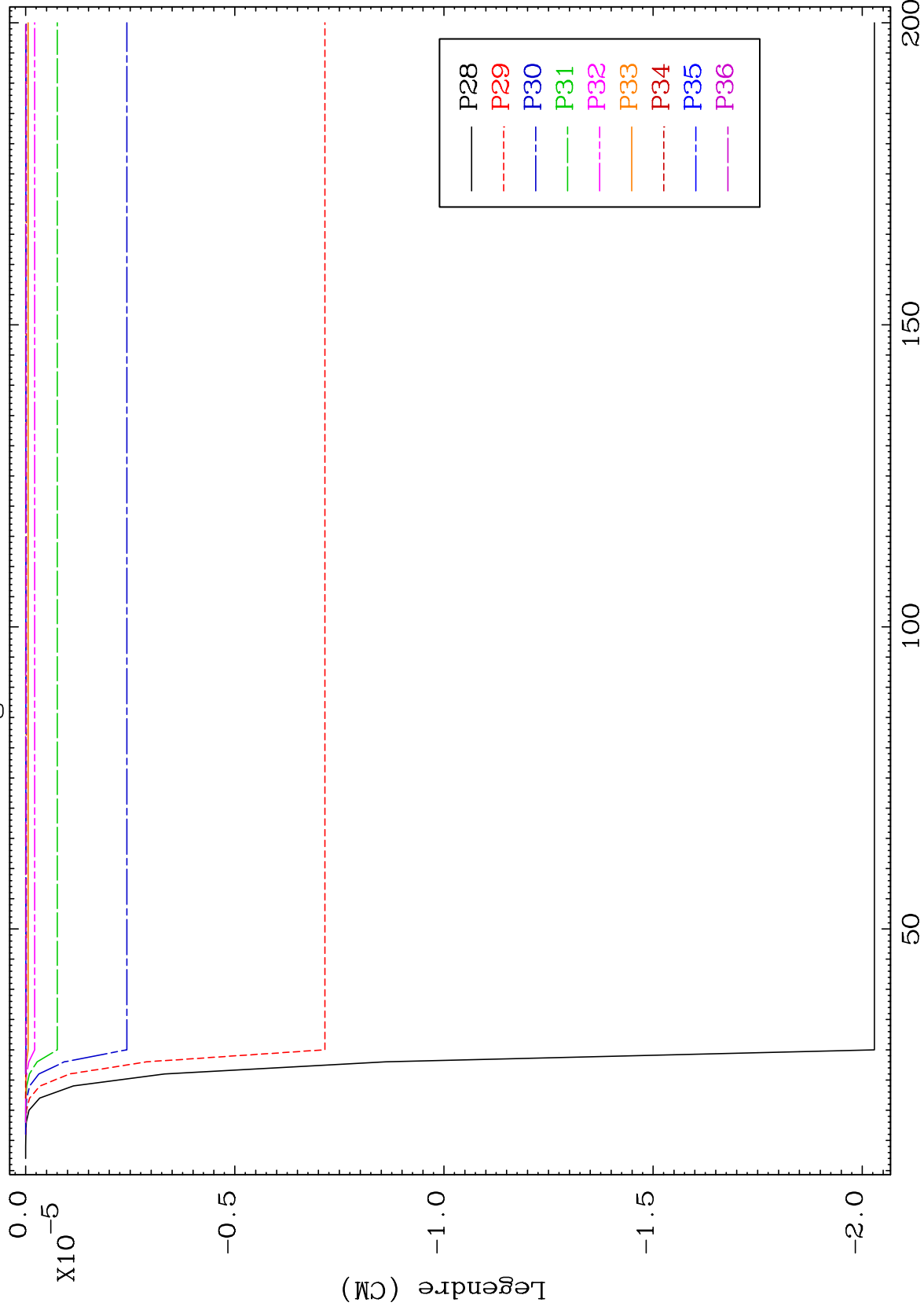
64-Gd-153

MAT 6428

MT= 68 (n,n') Level

64-Gd-153

Legendre Coefficients



64-Gd-153

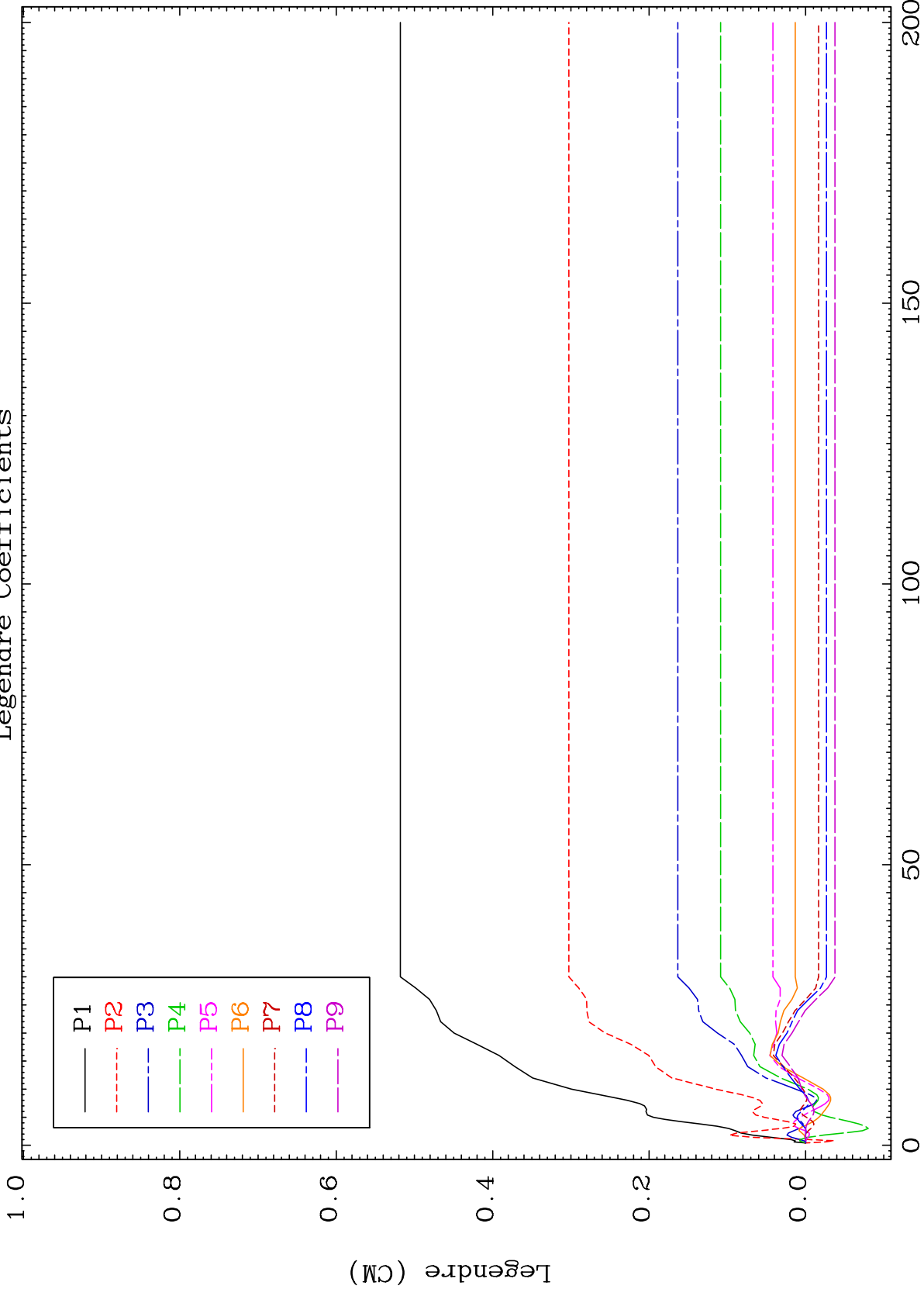
Incident Energy (MeV)

76

MAT 6428

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

64-Gd-153



64-Gd-153

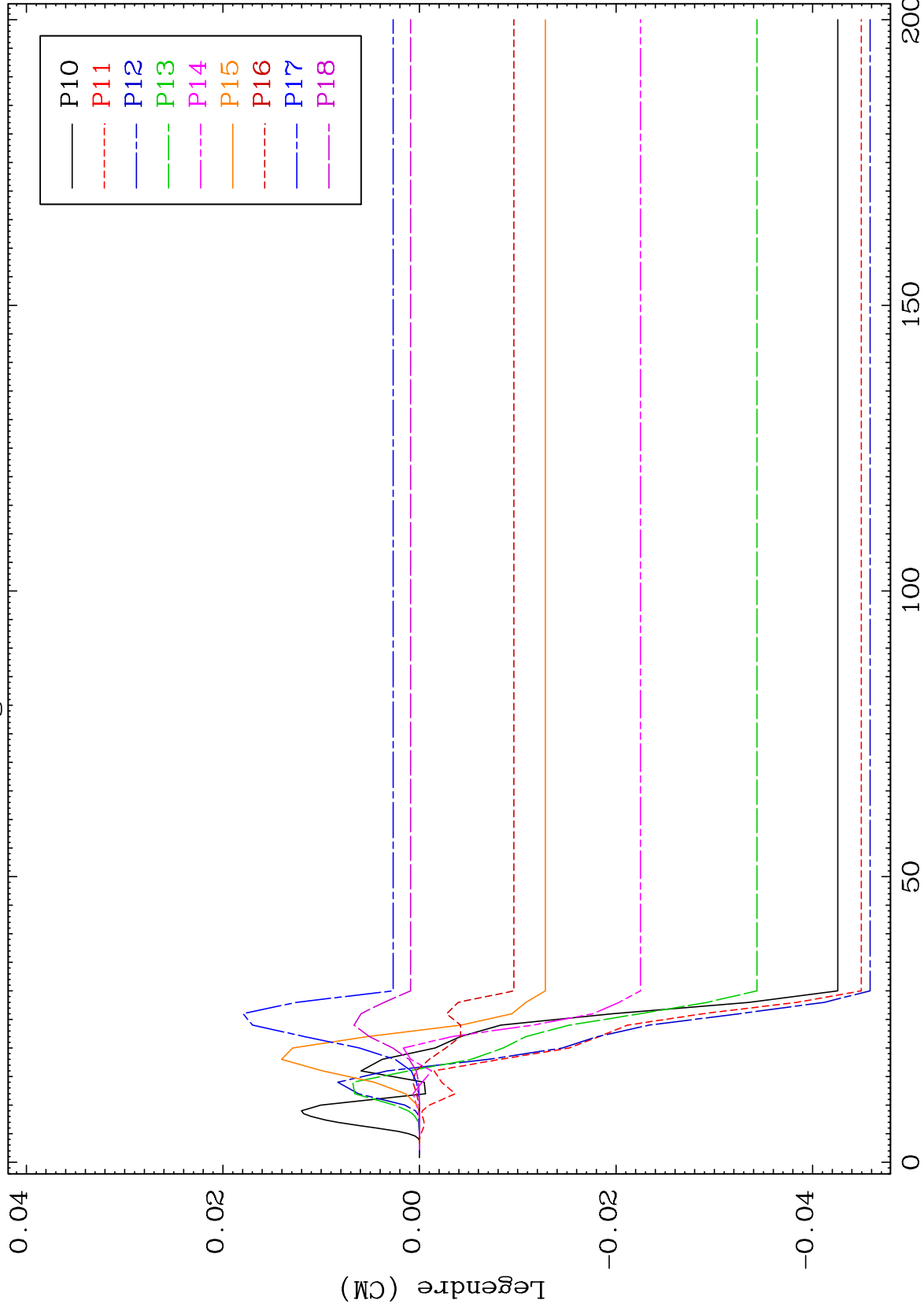
Incident Energy (MeV)

77

MAT 6428

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

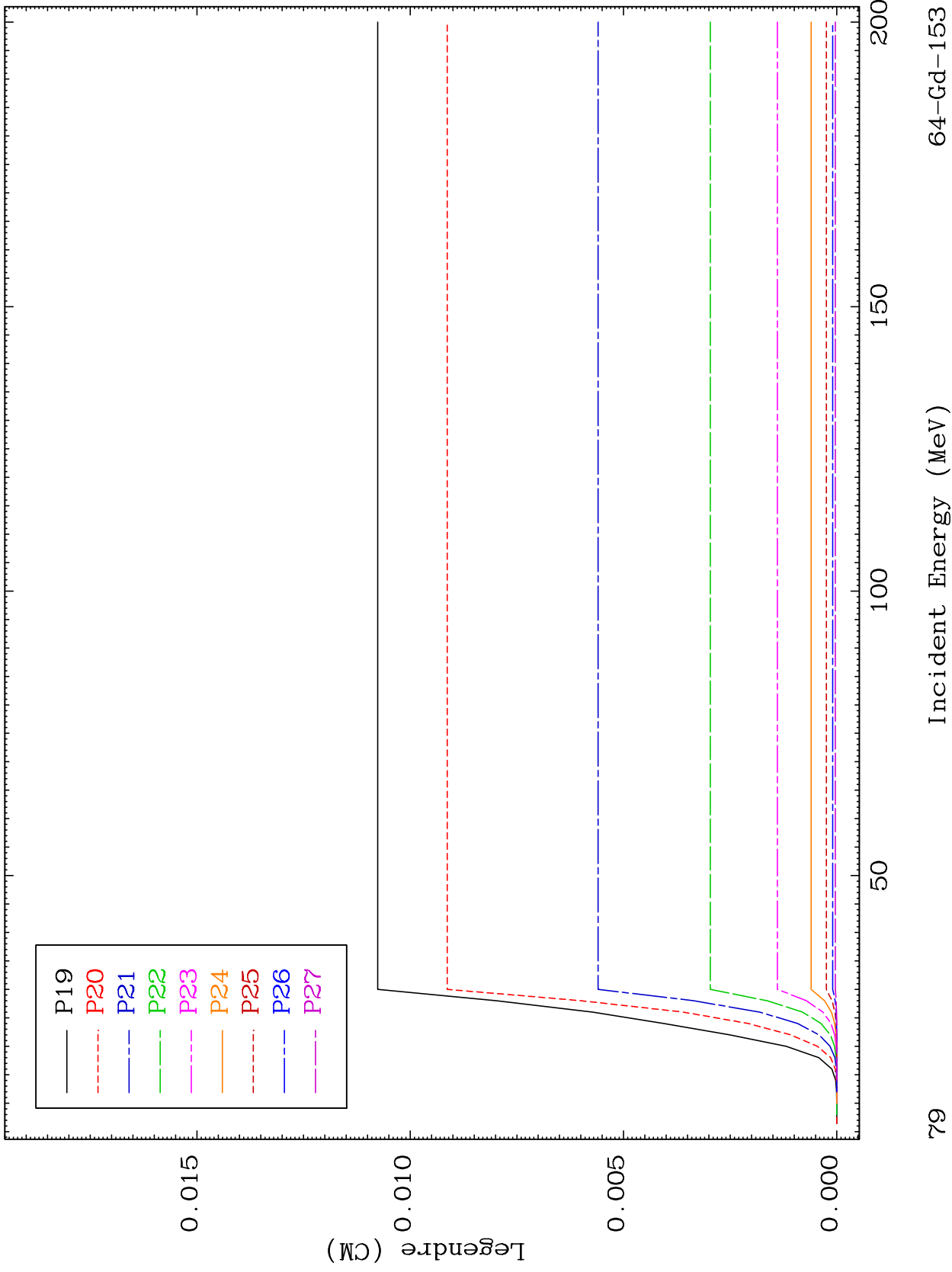
64-Gd-153



78

Incident Energy (MeV)

64-Gd-153

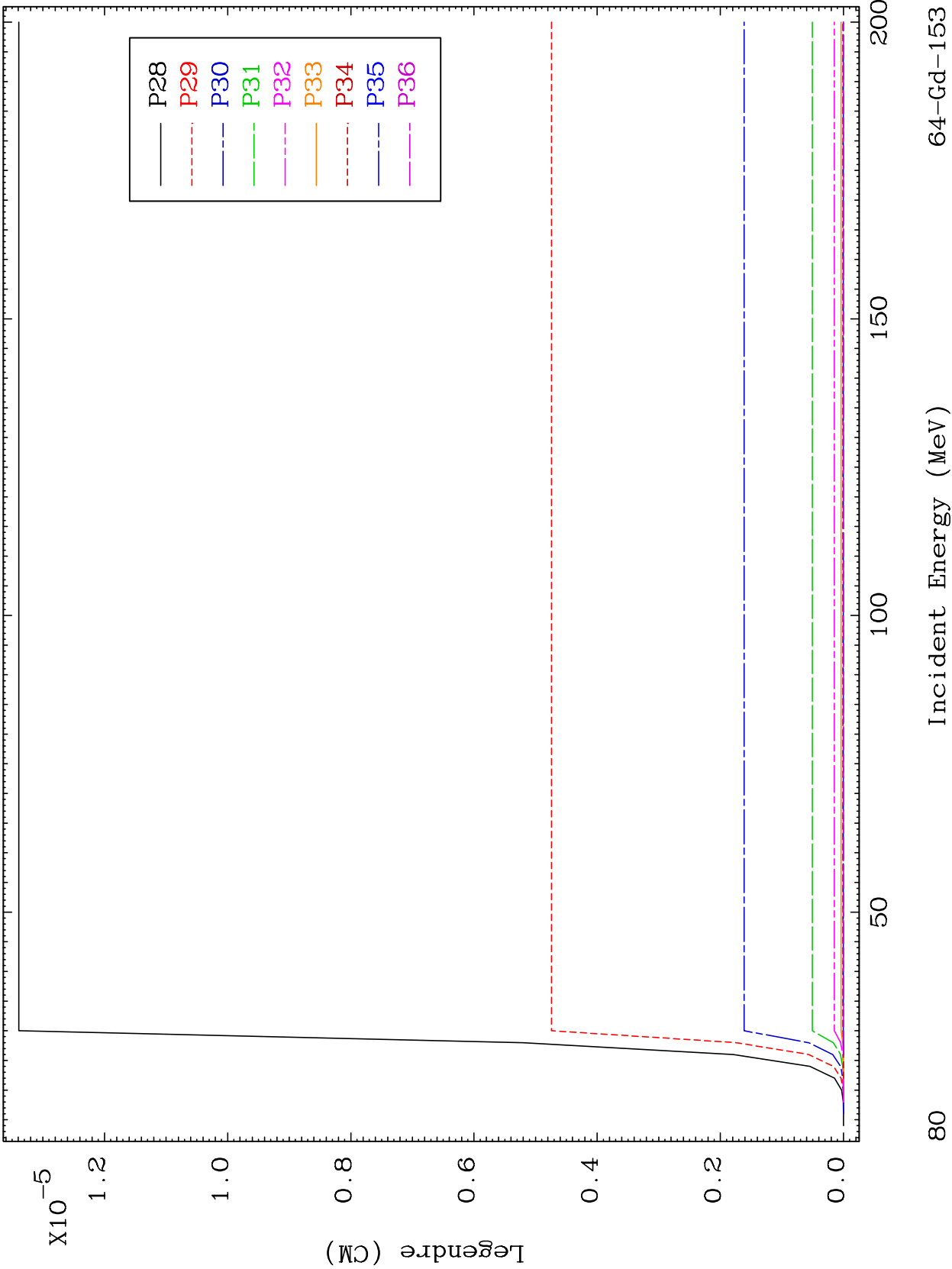




MAT 6428

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

64-Gd-153



64-Gd-153

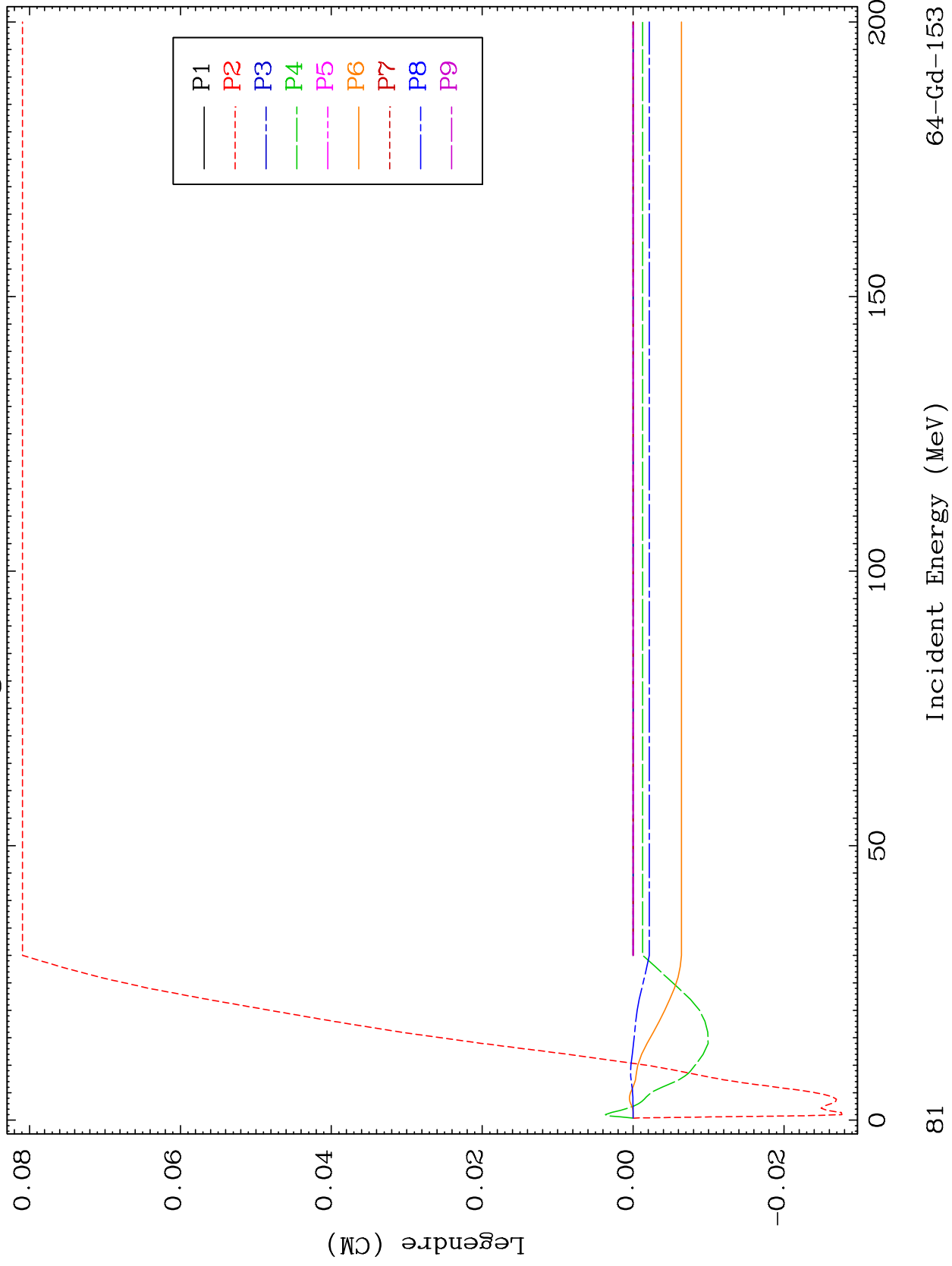
Incident Energy (MeV)

80

MAT 6428

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

64-Gd-153



81

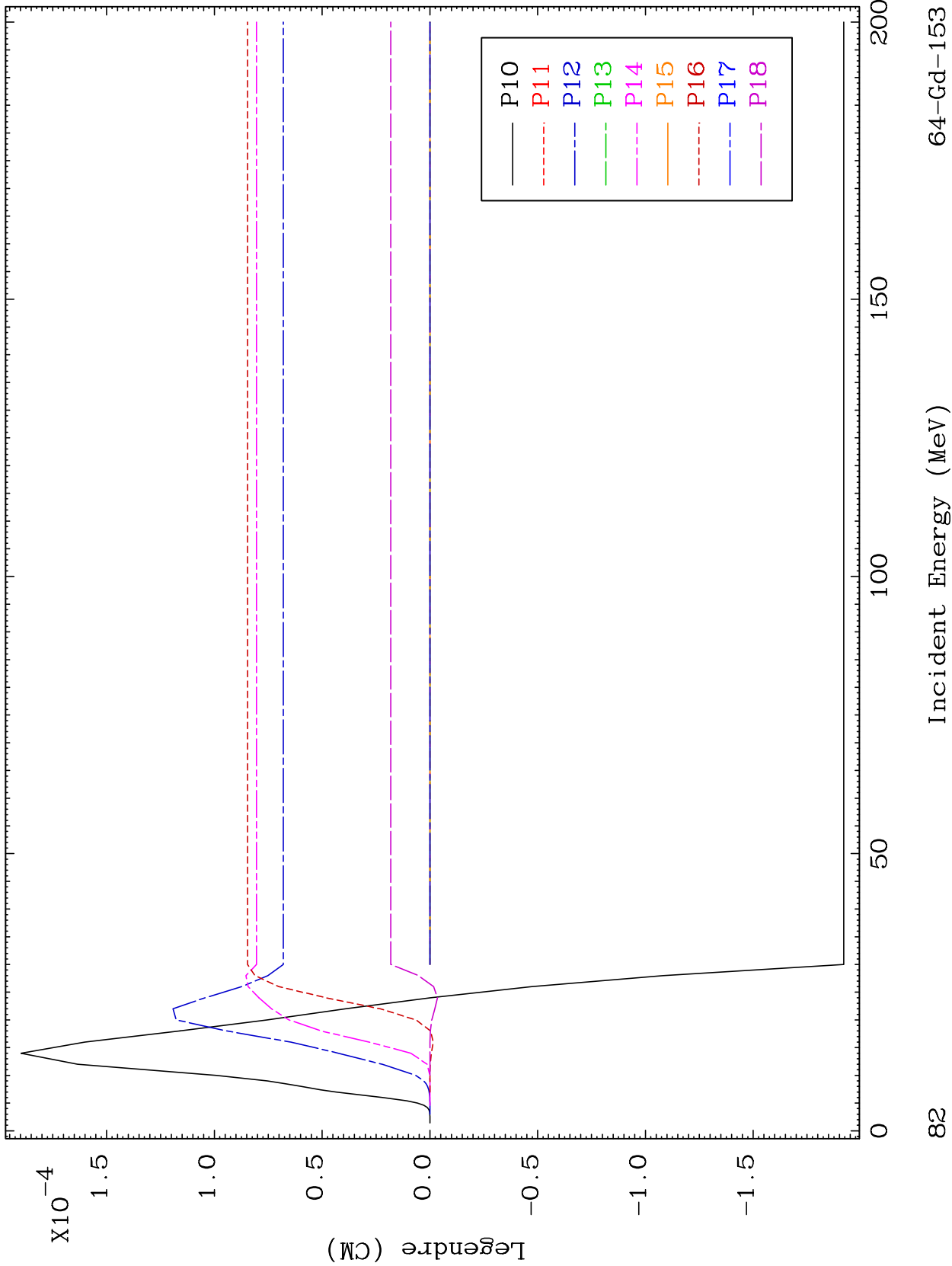
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



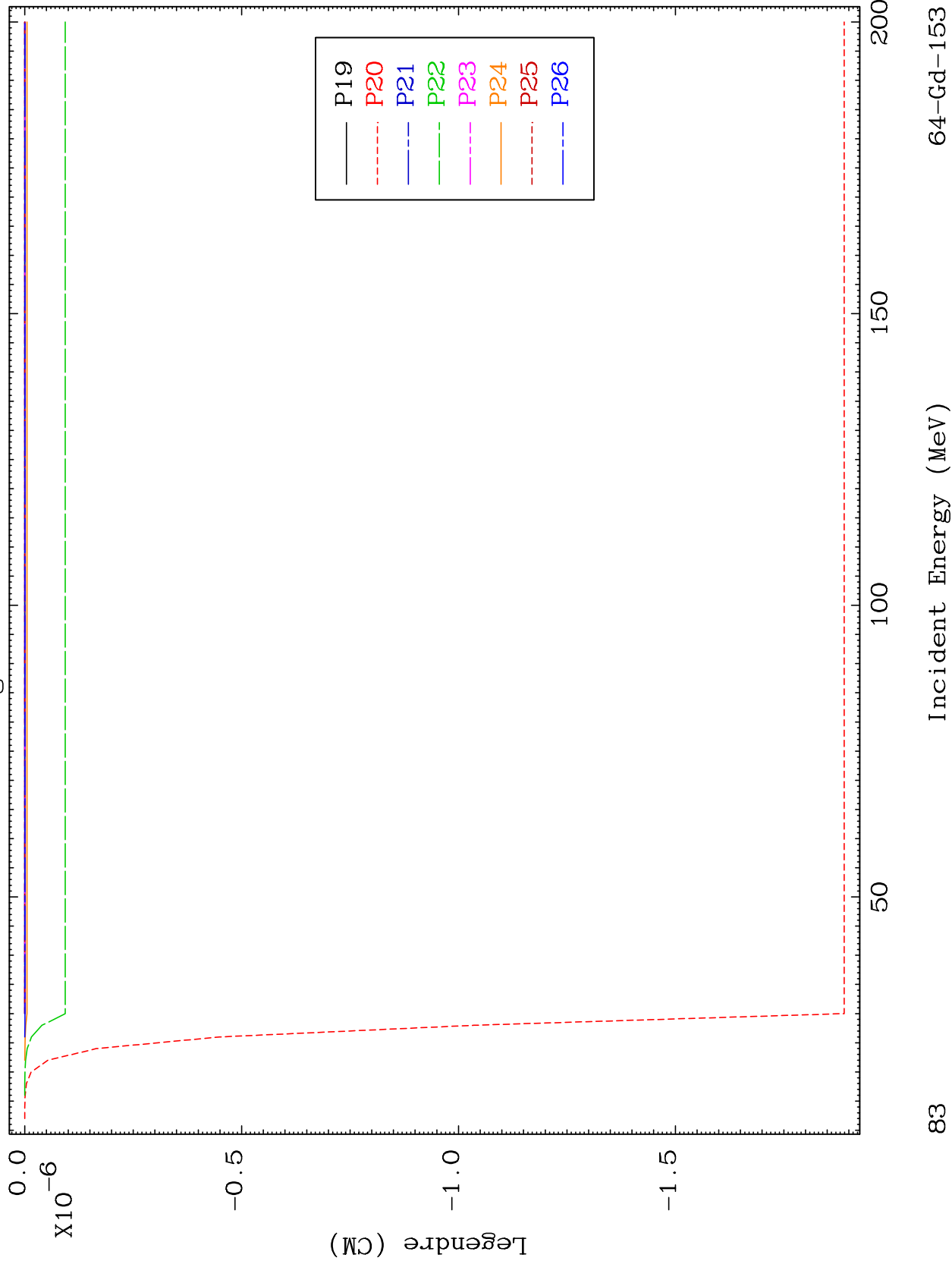
82

64-Gd-153

MAT 6428

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

64-Gd-153



83

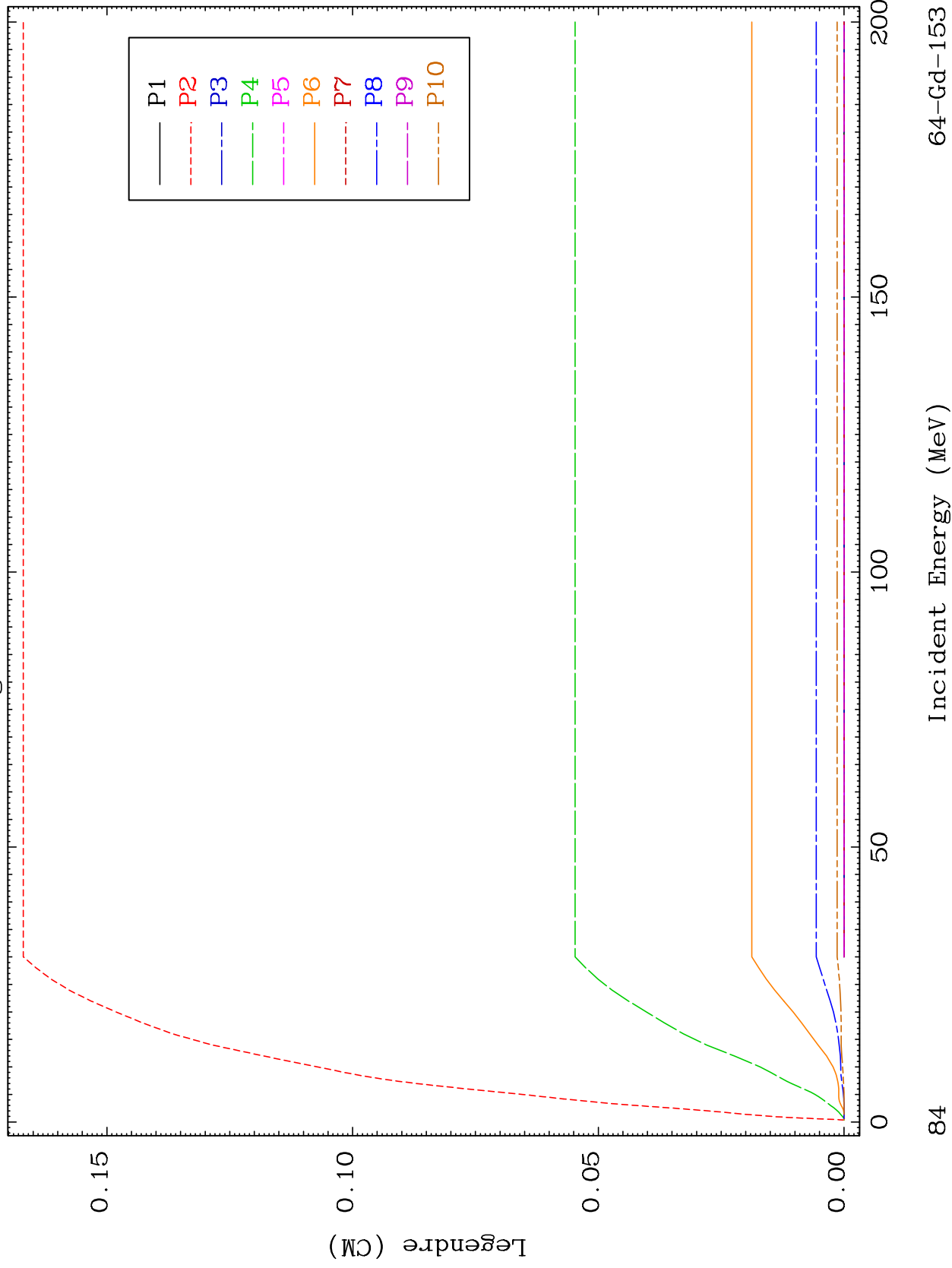
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153

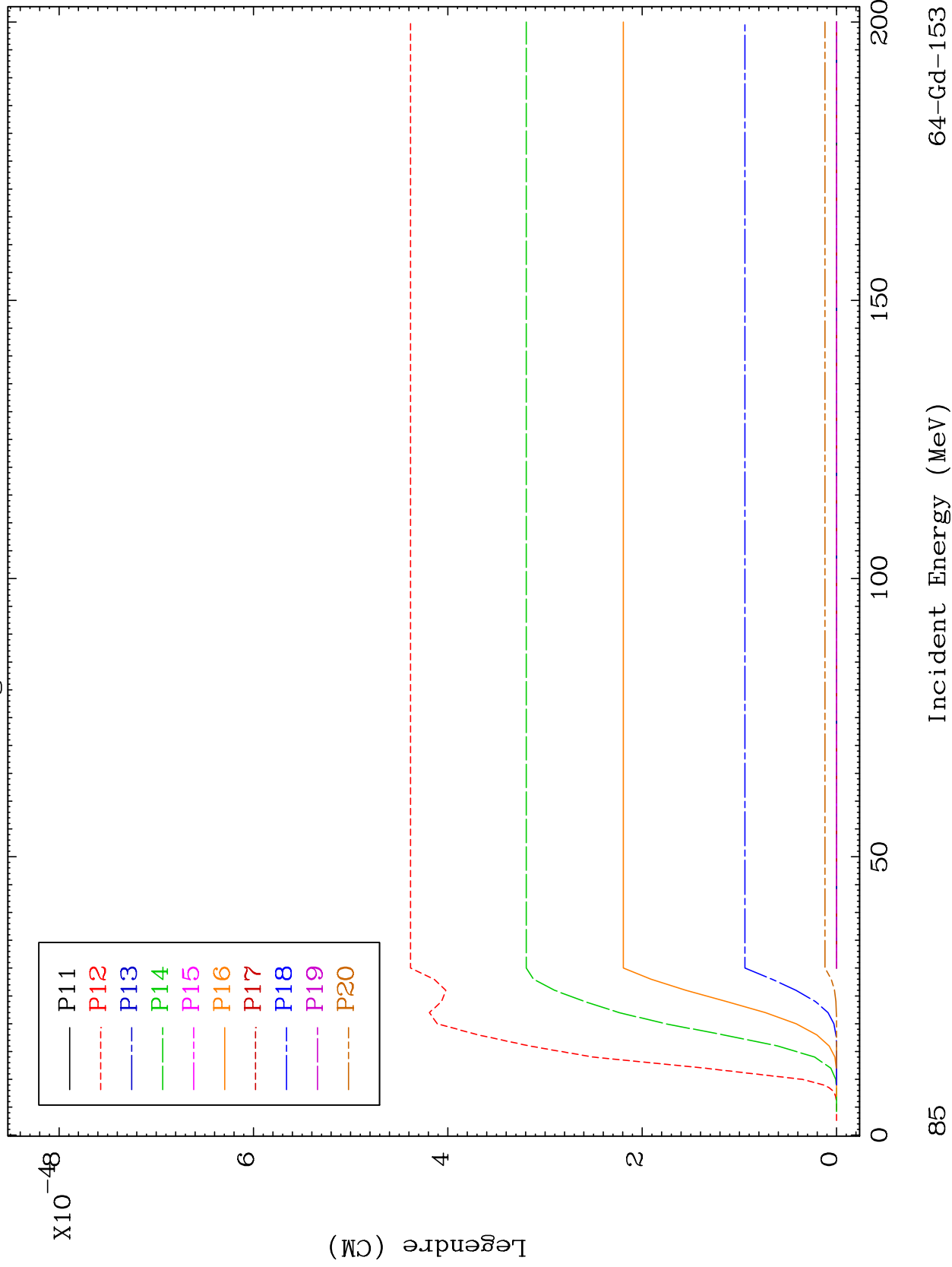


84

MAT 6428

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

64-Gd-153



85

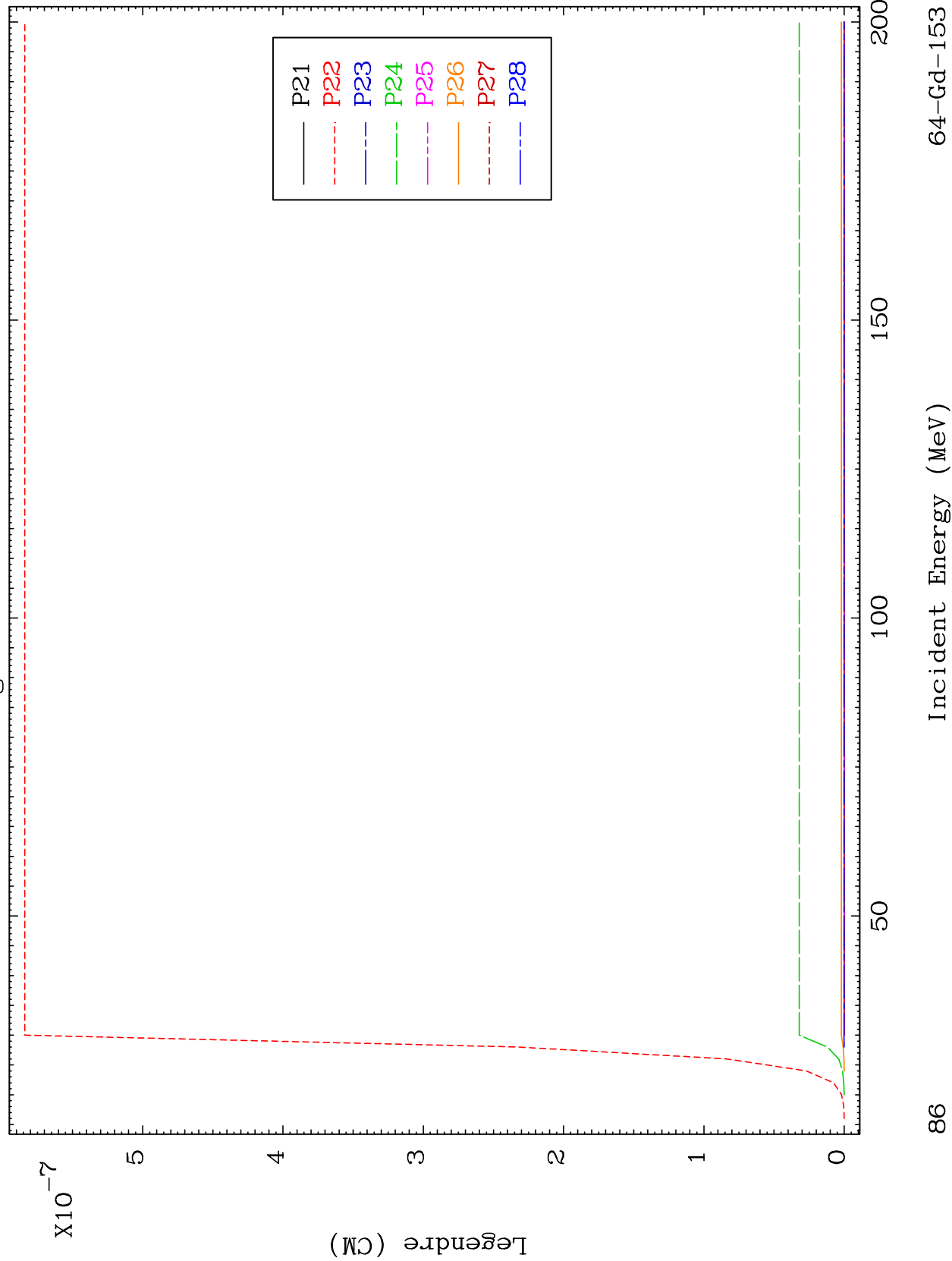
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



86

64-Gd-153

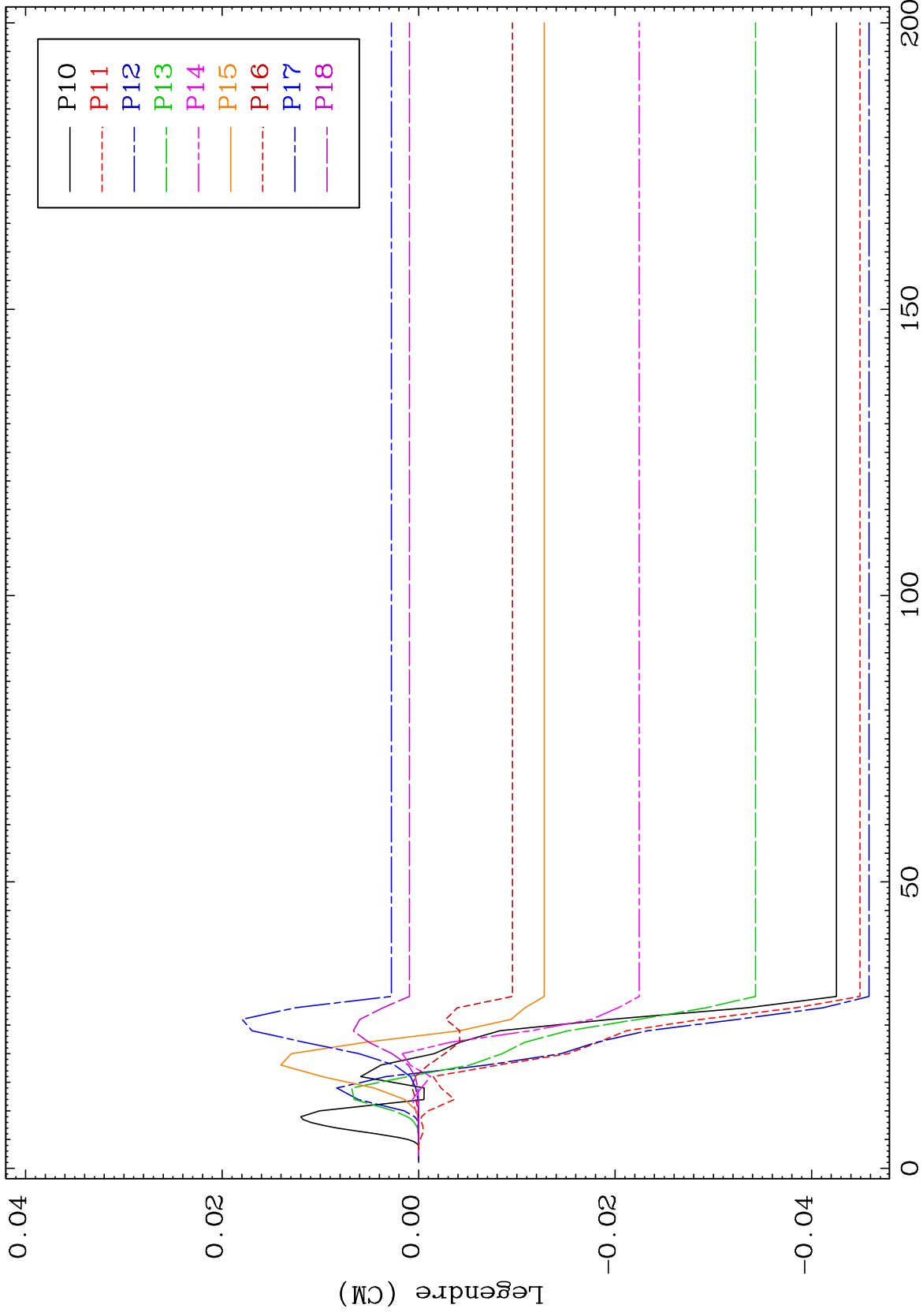




MAT 6428

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

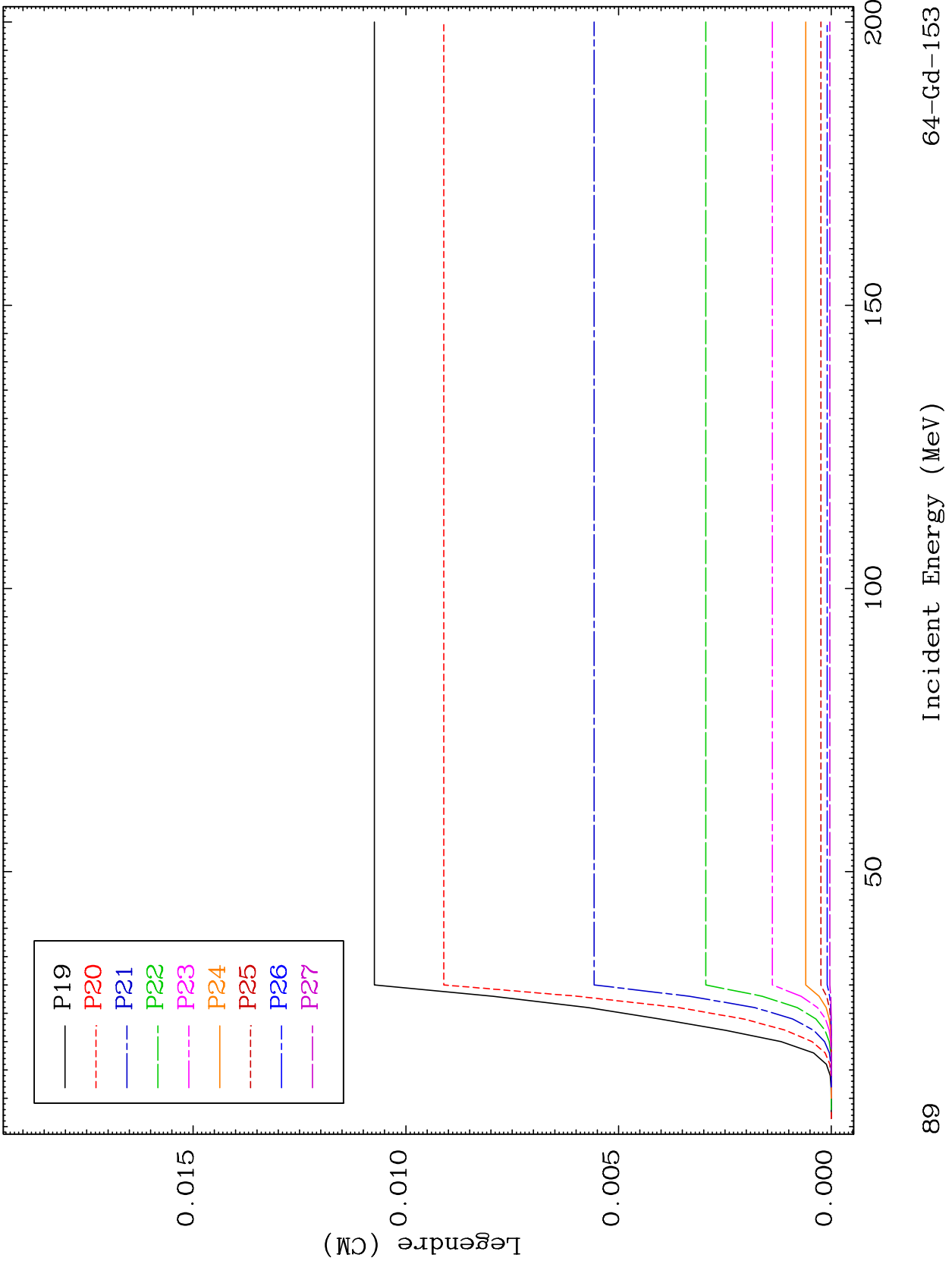
64-Gd-153



88

Incident Energy (MeV)

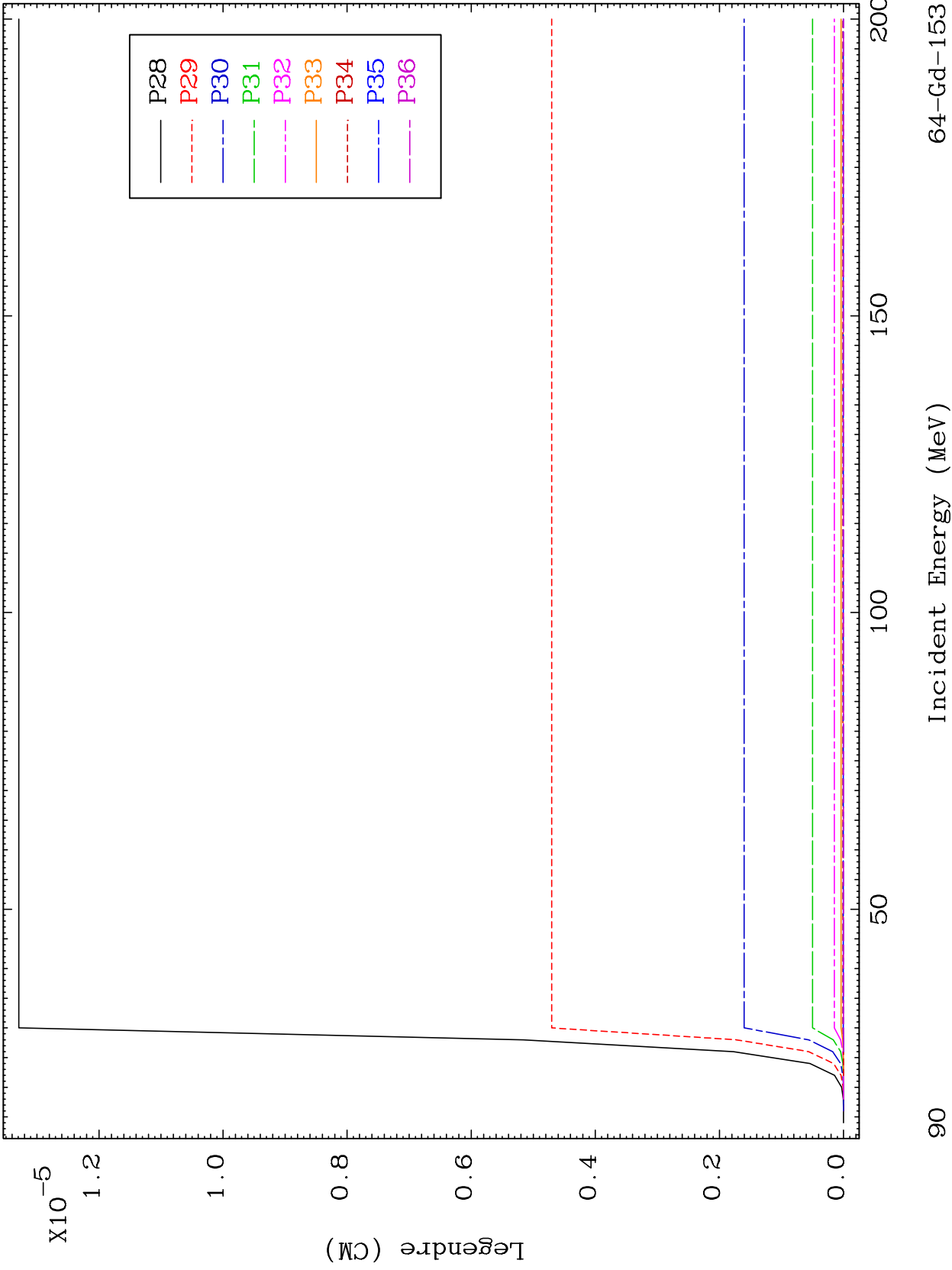
64-Gd-153



MAT 6428

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

64-Gd-153



90

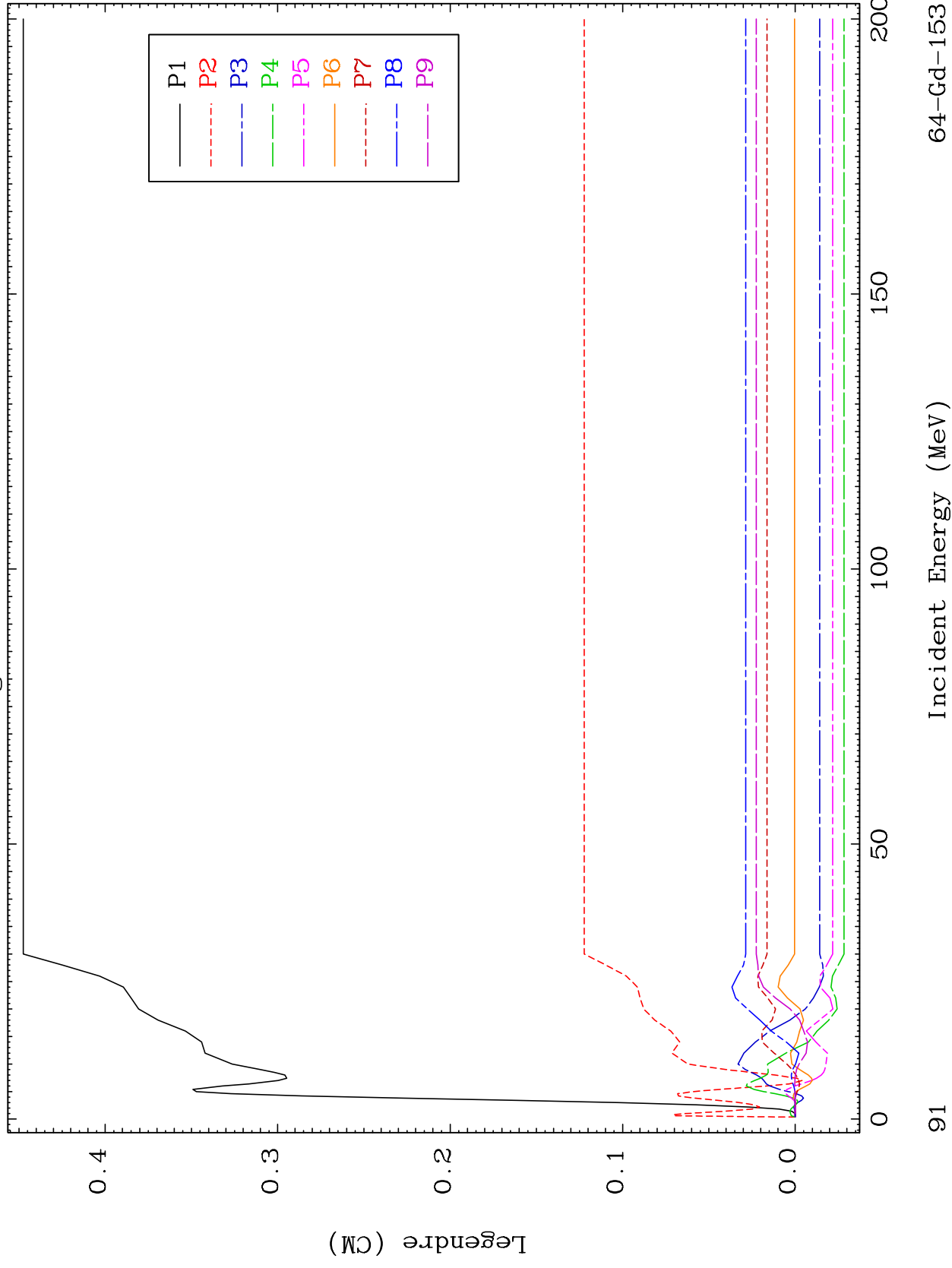
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

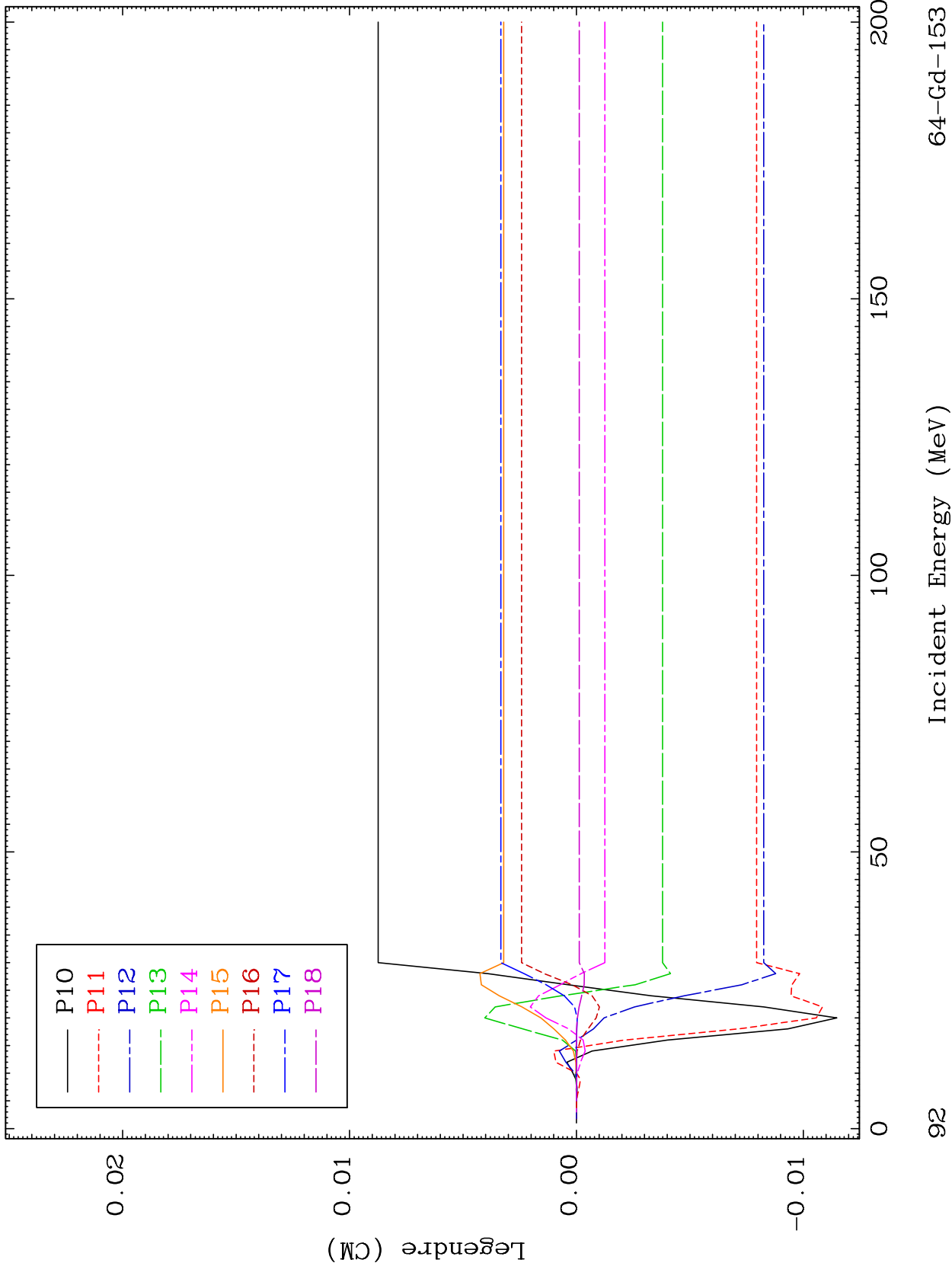
Incident Energy (MeV)

91

MAT 6428

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

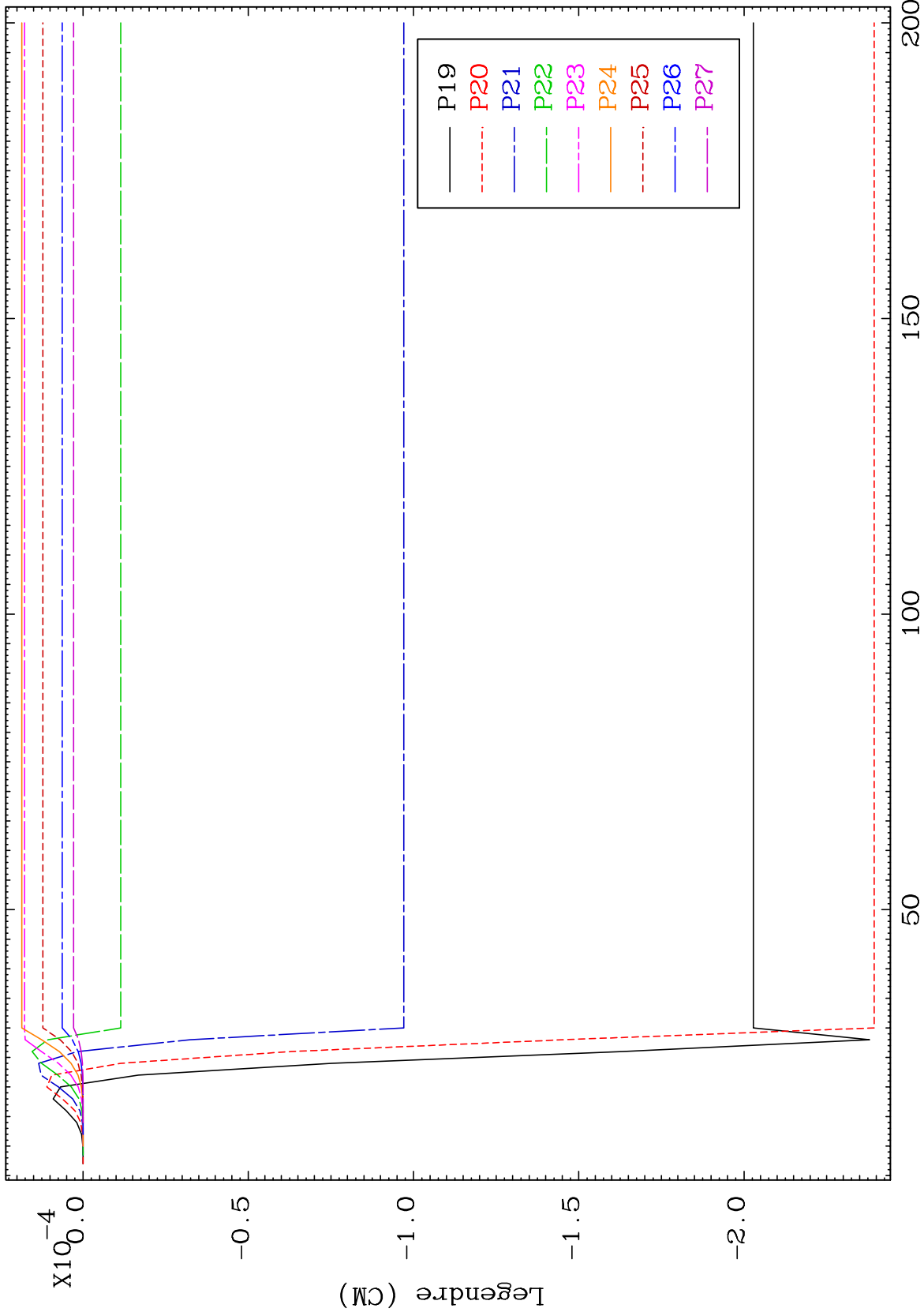
64-Gd-153



92

Incident Energy (MeV)

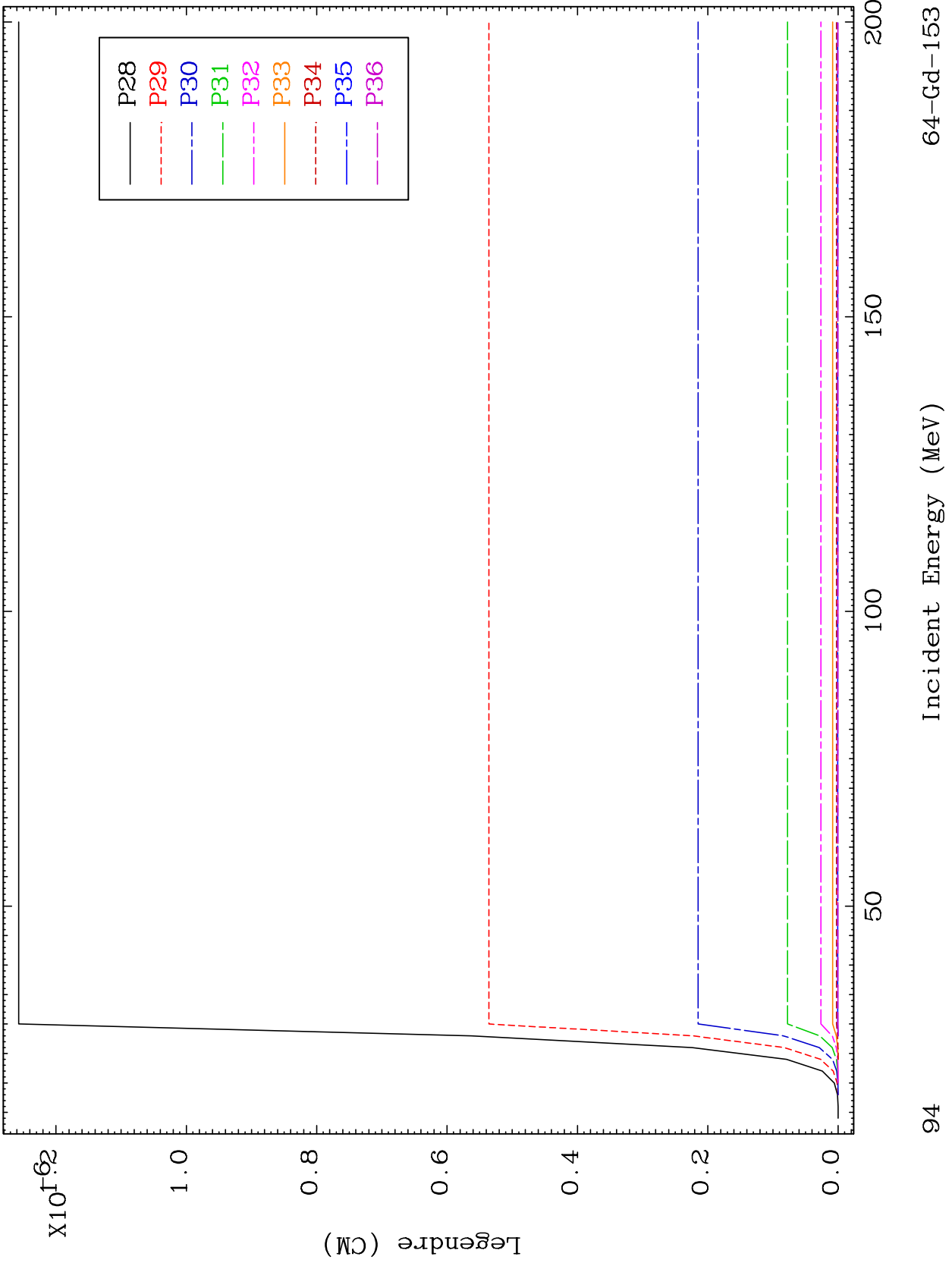
64-Gd-153



MAT 6428

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

64-Gd-153

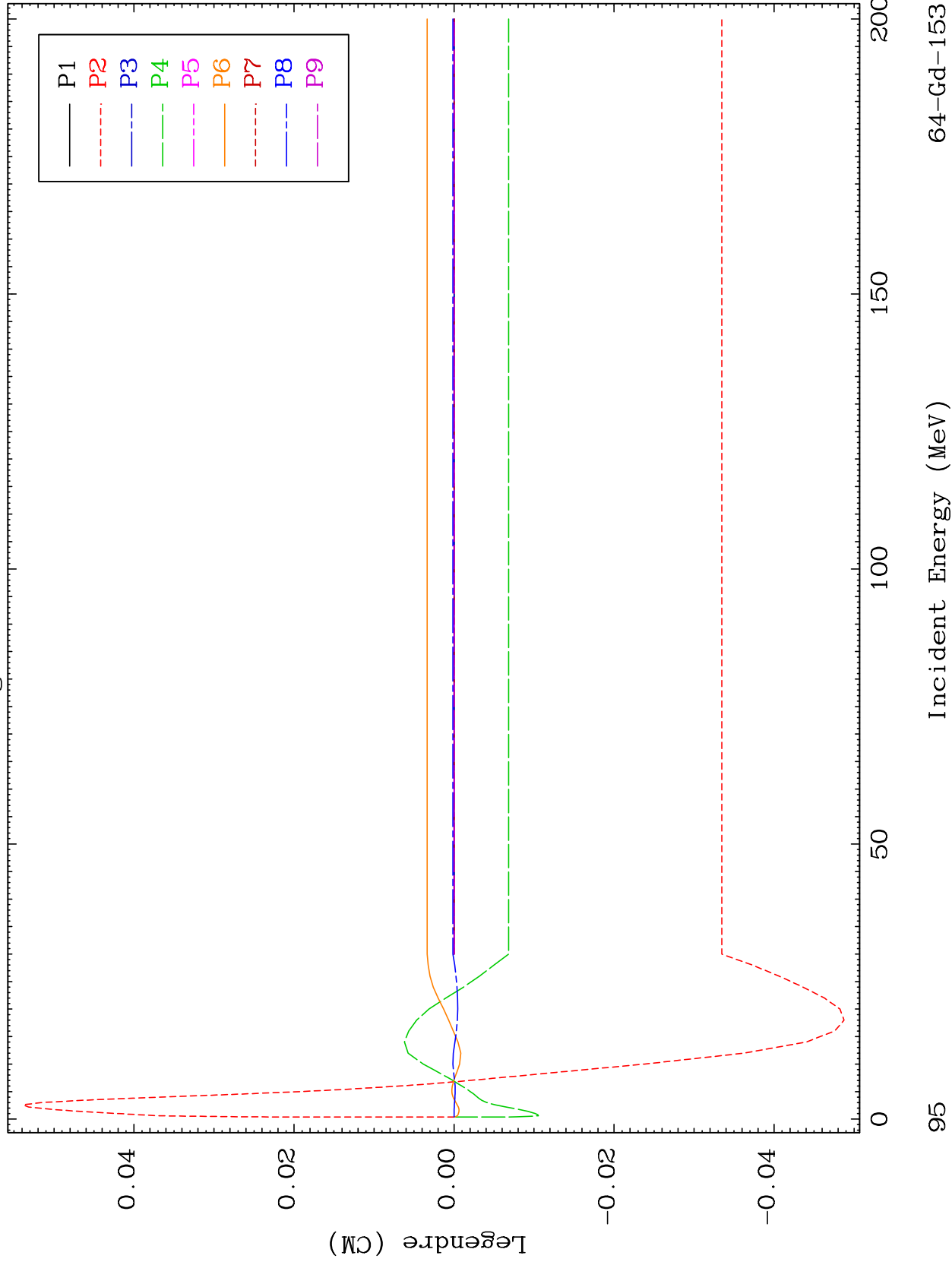


94

MAT 6428

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

64-Gd-153



64-Gd-153

Incident Energy (MeV)

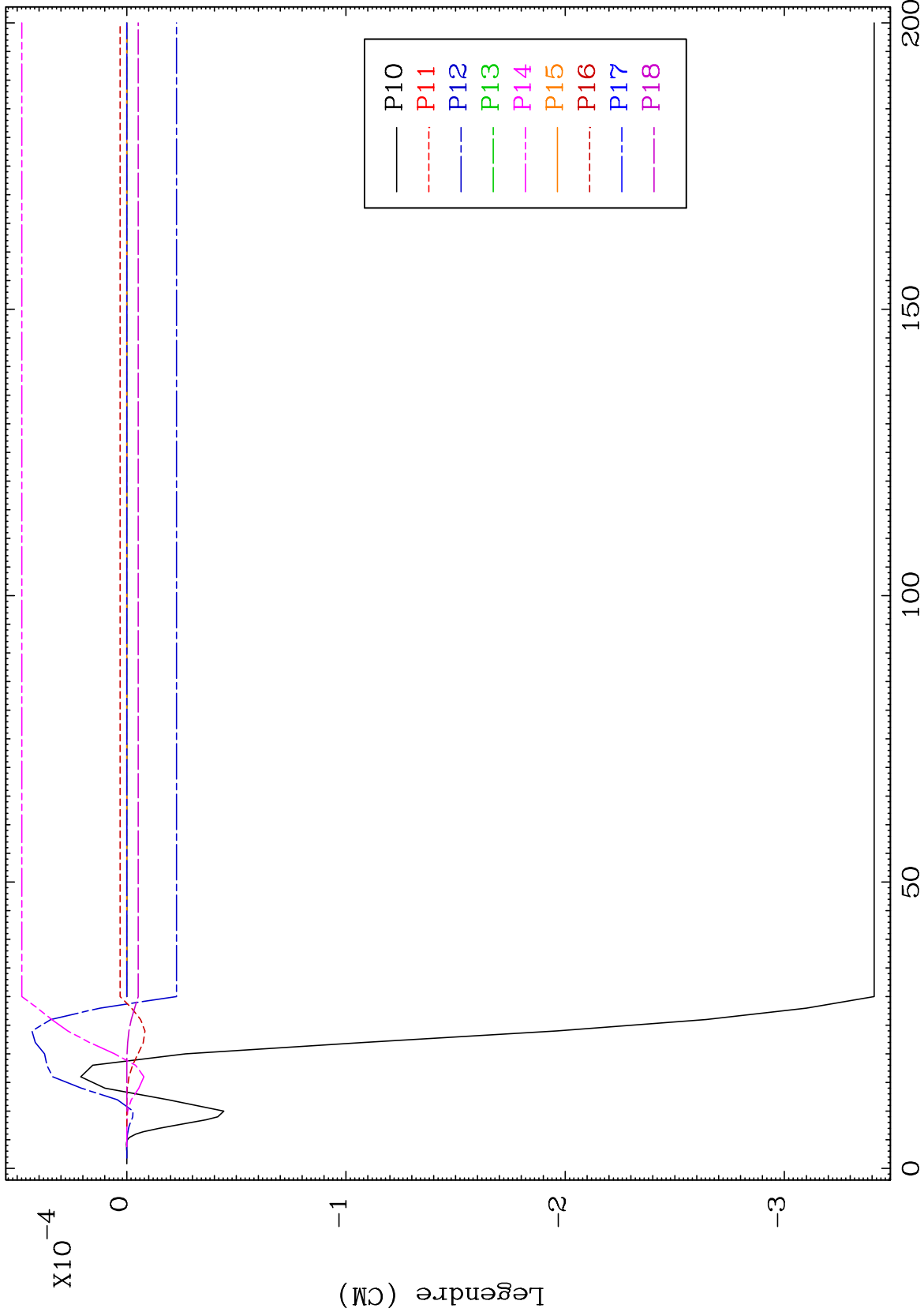
95



MAT 6428

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

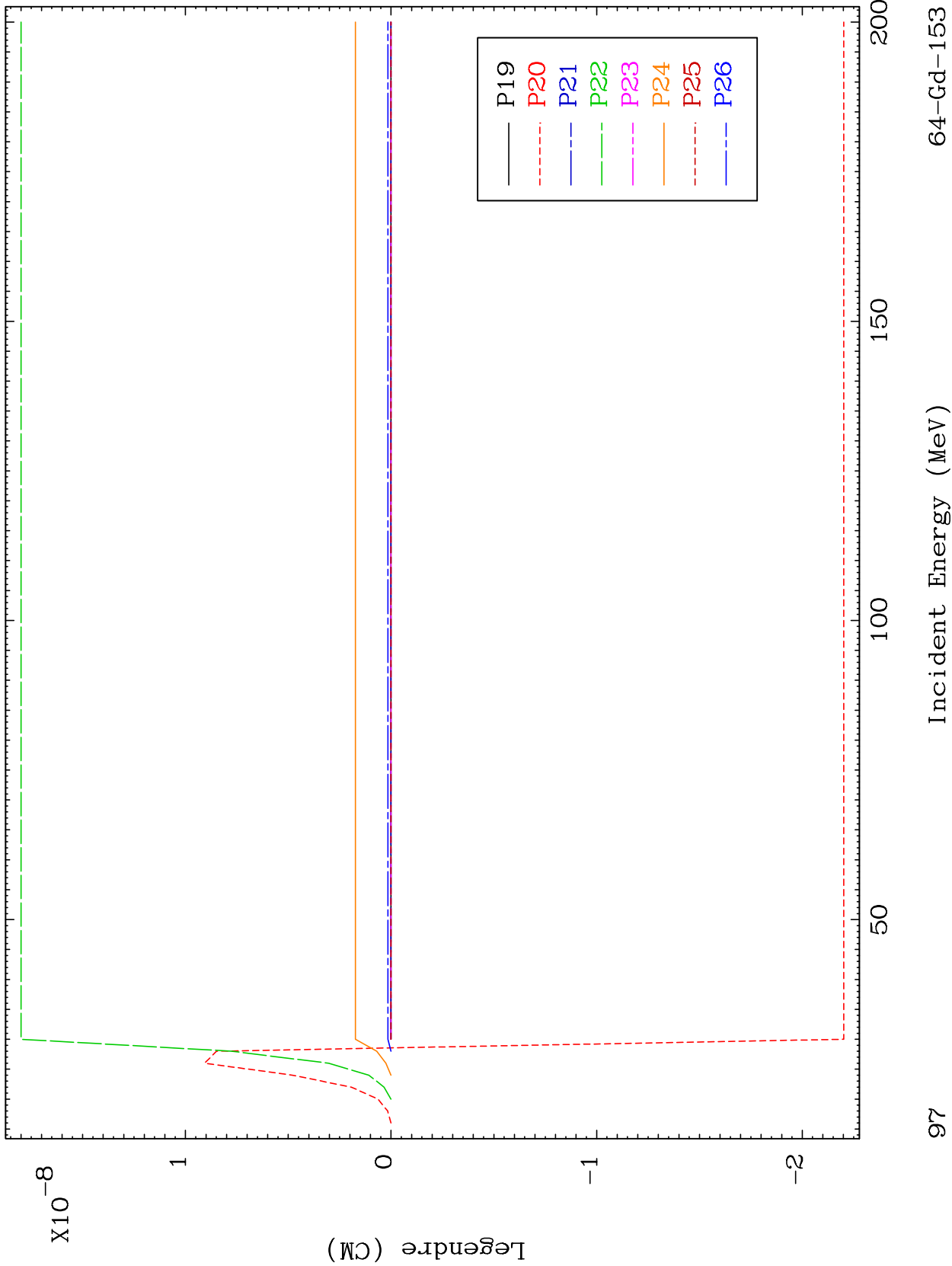
64-Gd-153

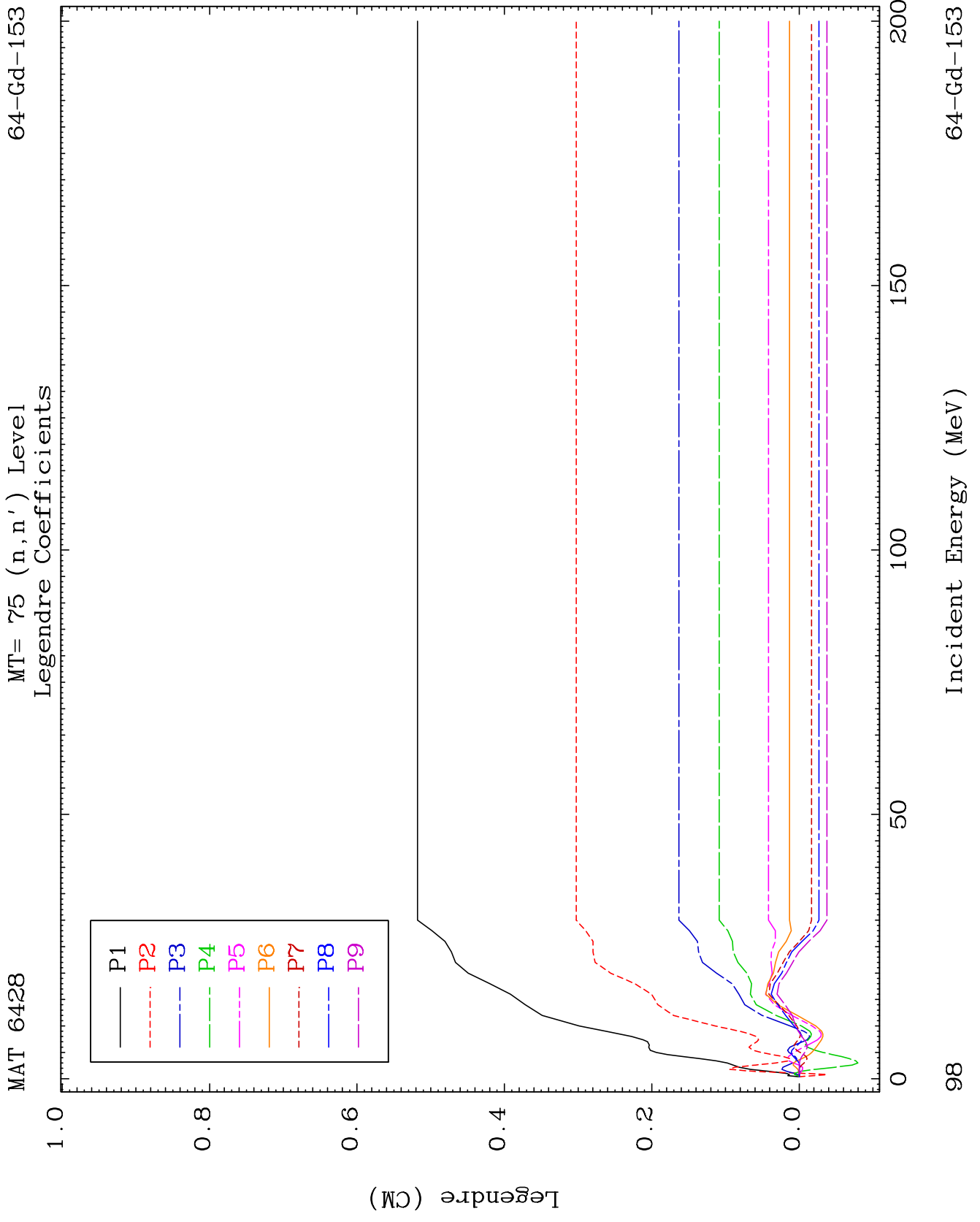


96

Incident Energy (MeV)

64-Gd-153

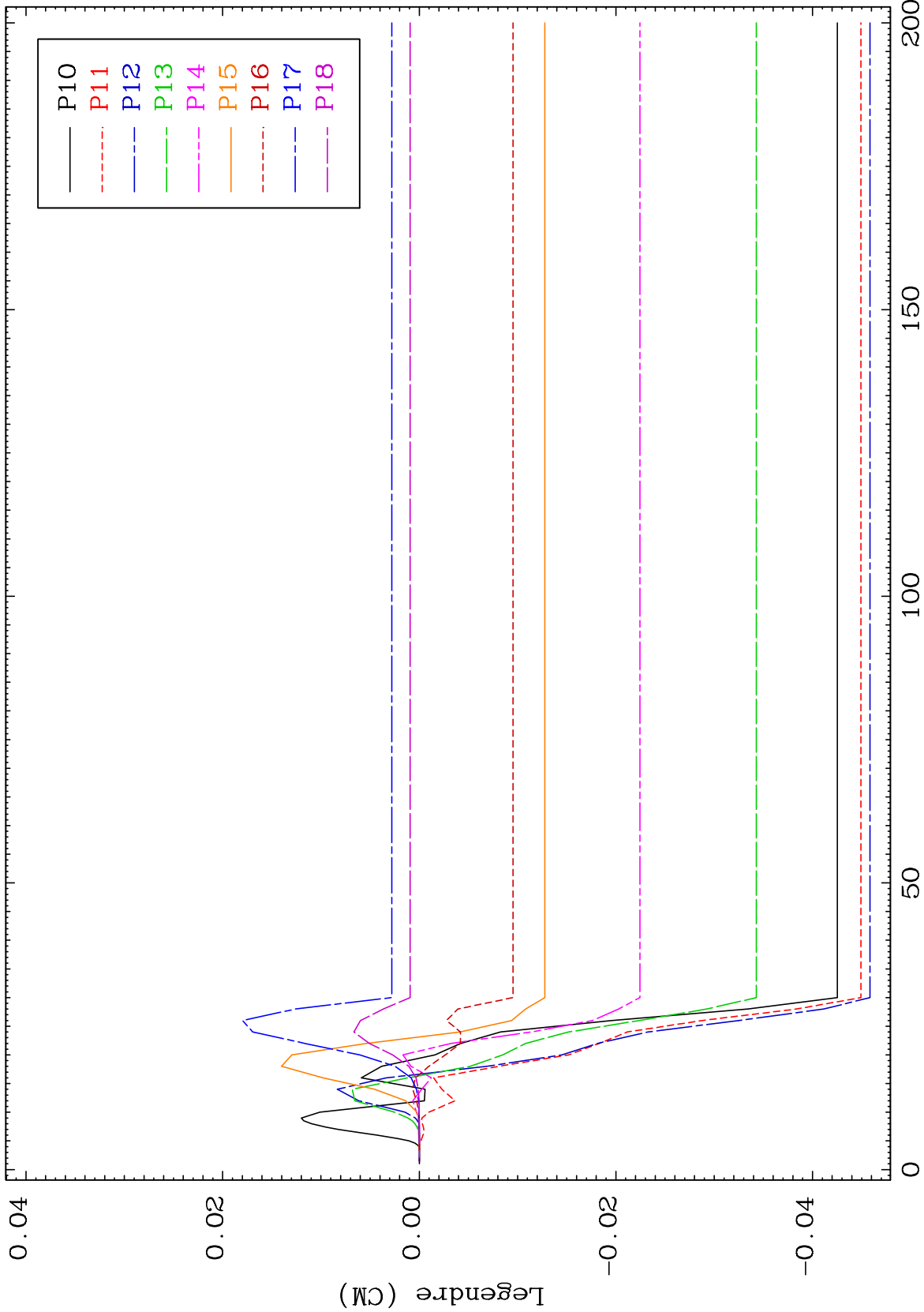




MAT 6428

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

64-Gd-153



99

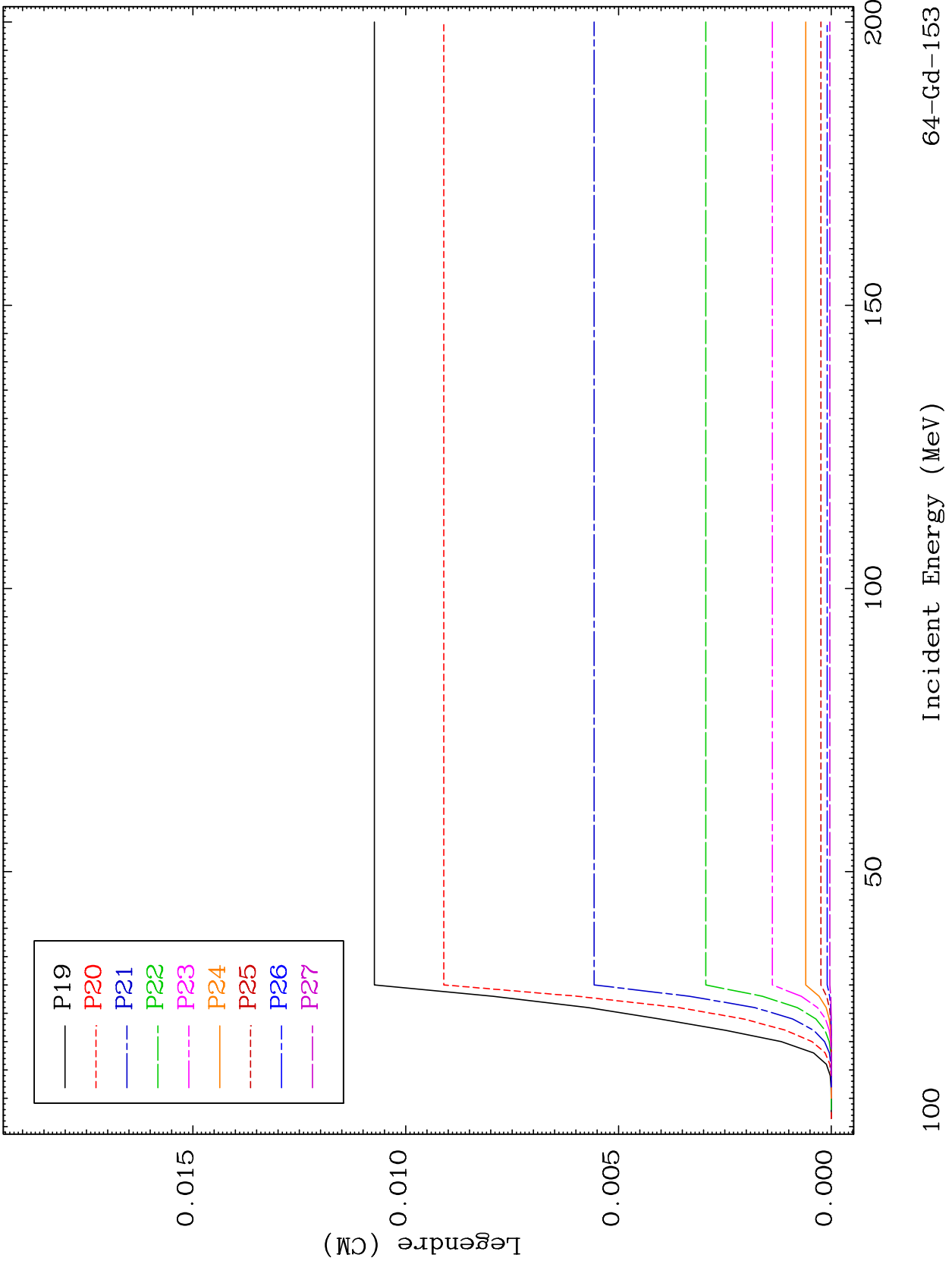
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153

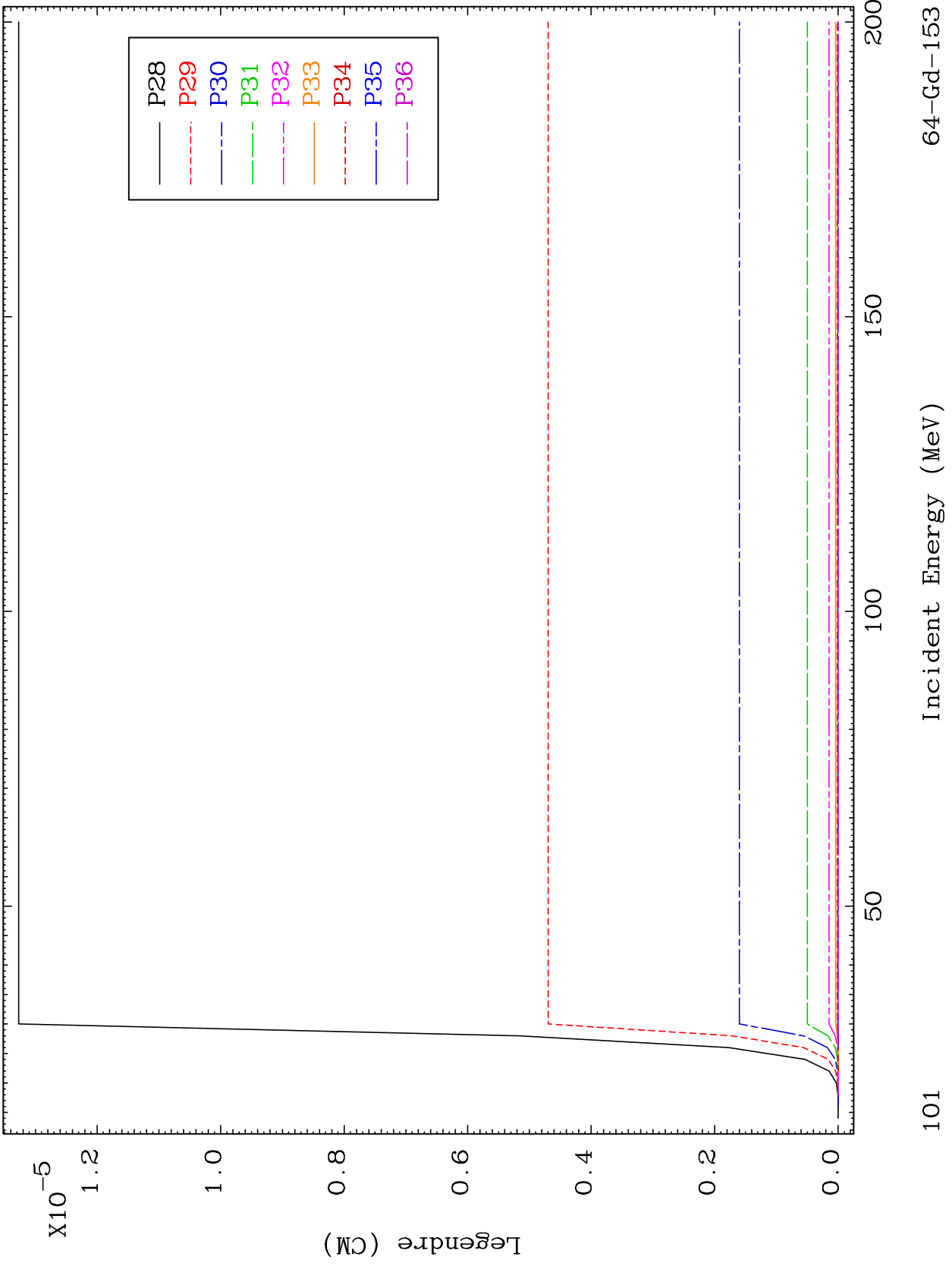


64-Gd-153

MAT 6428

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

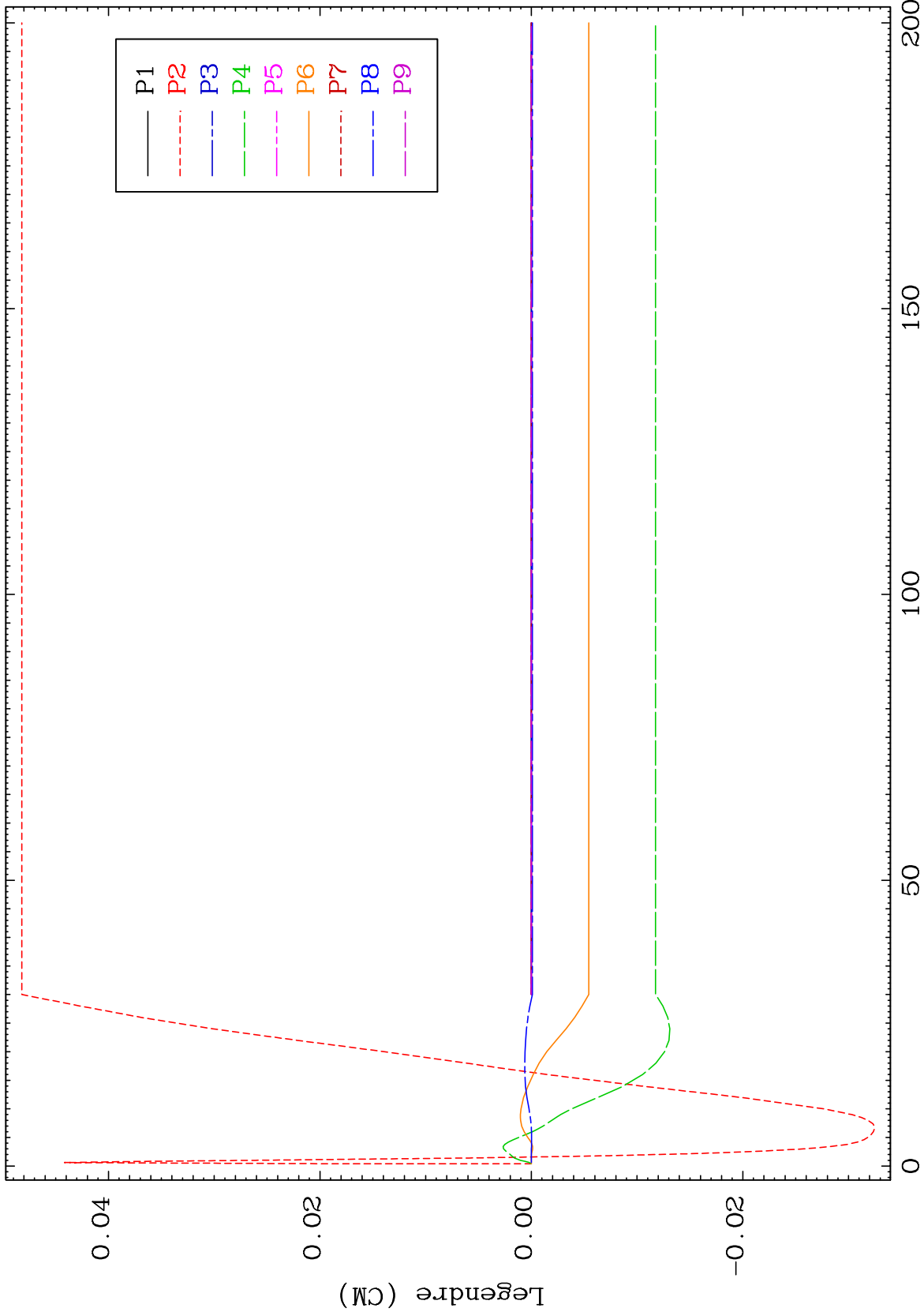
64-Gd-153



MAT 6428

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

64-Gd-153



64-Gd-153

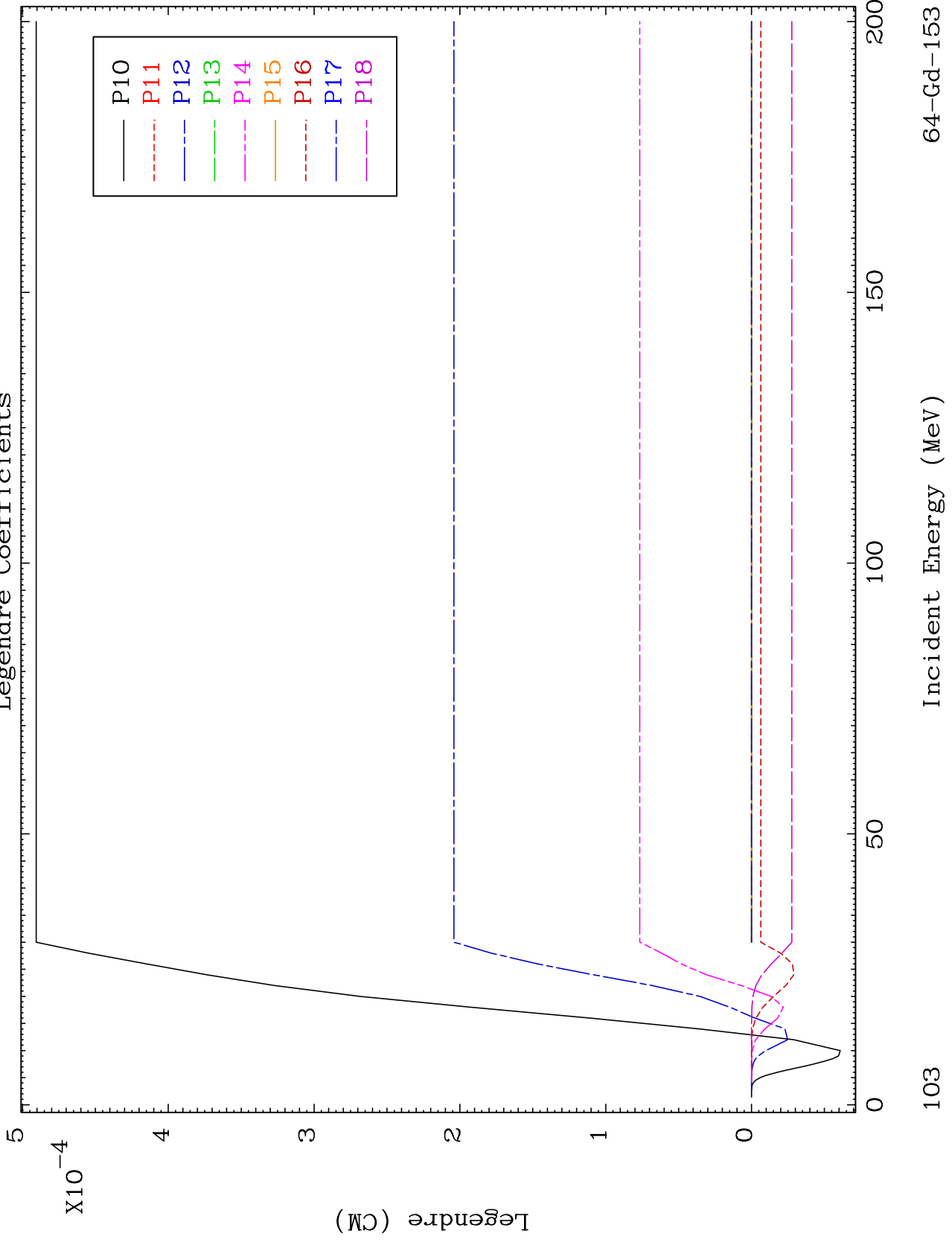
Incident Energy (MeV)

102

MAT 6428

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

64-Gd-153



103

Incident Energy (MeV)

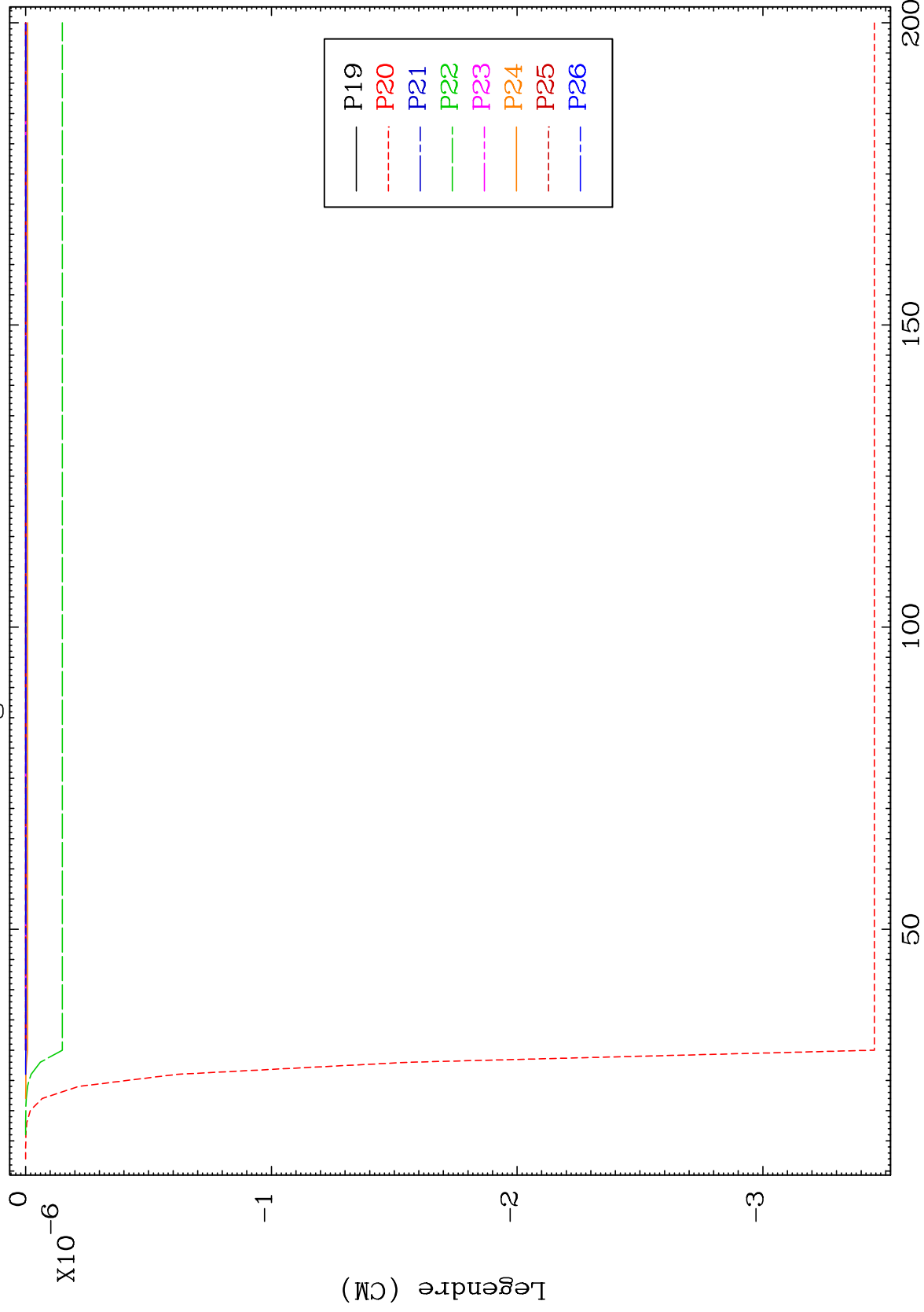
64-Gd-153



MAT 6428

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

64-Gd-153



104

Incident Energy (MeV)

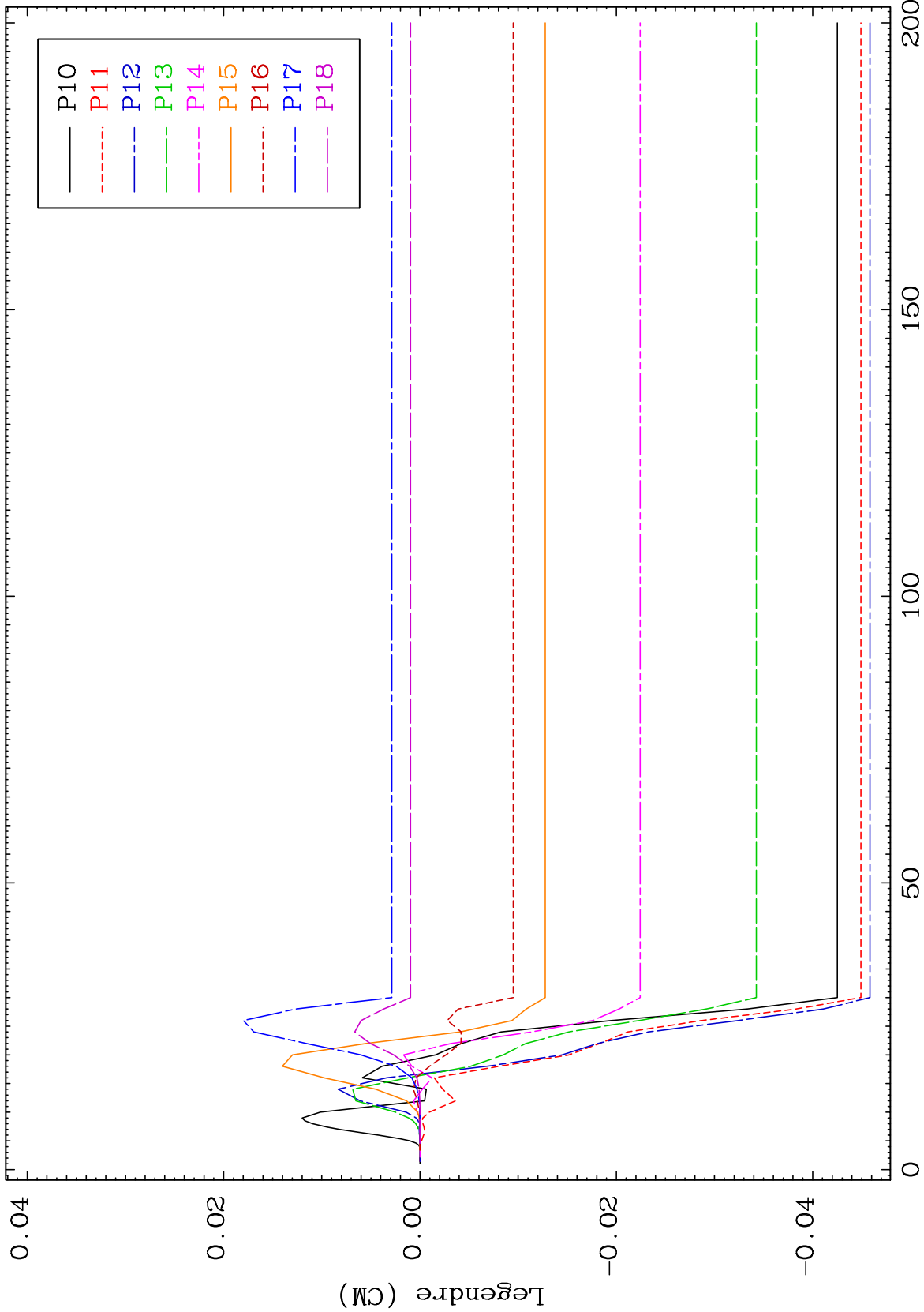
64-Gd-153



MAT 6428

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

64-Gd-153



106

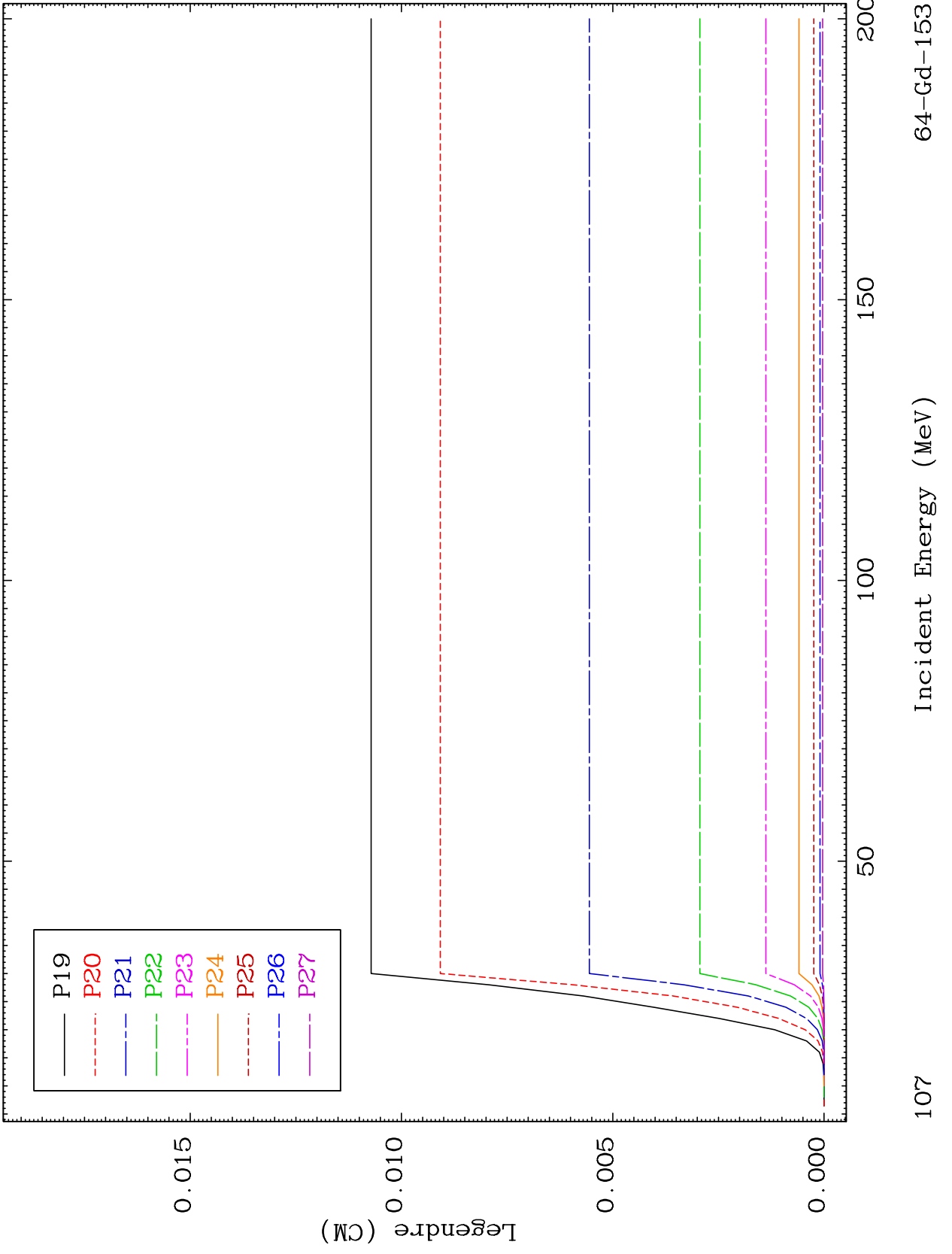
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



107

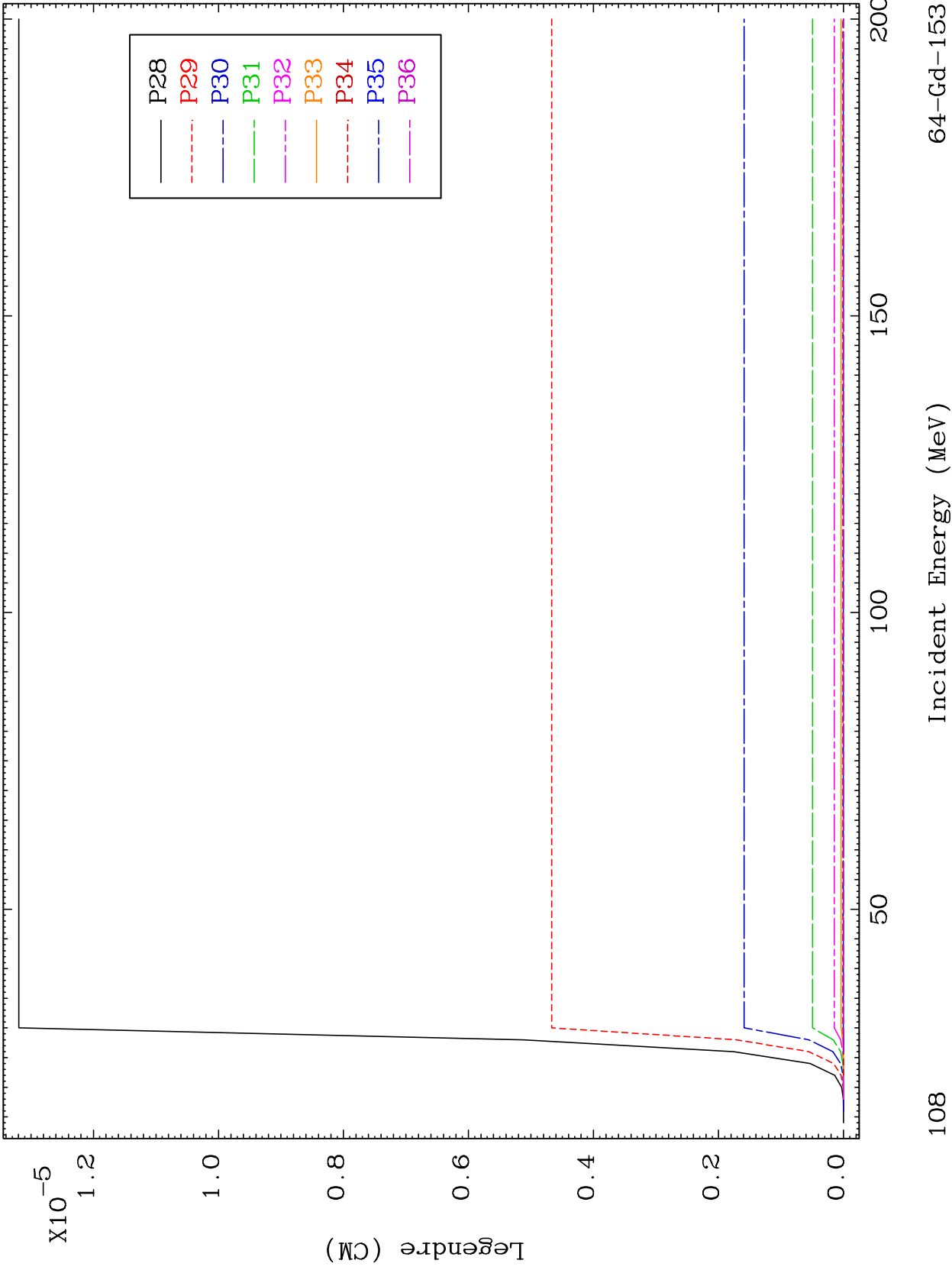
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



108

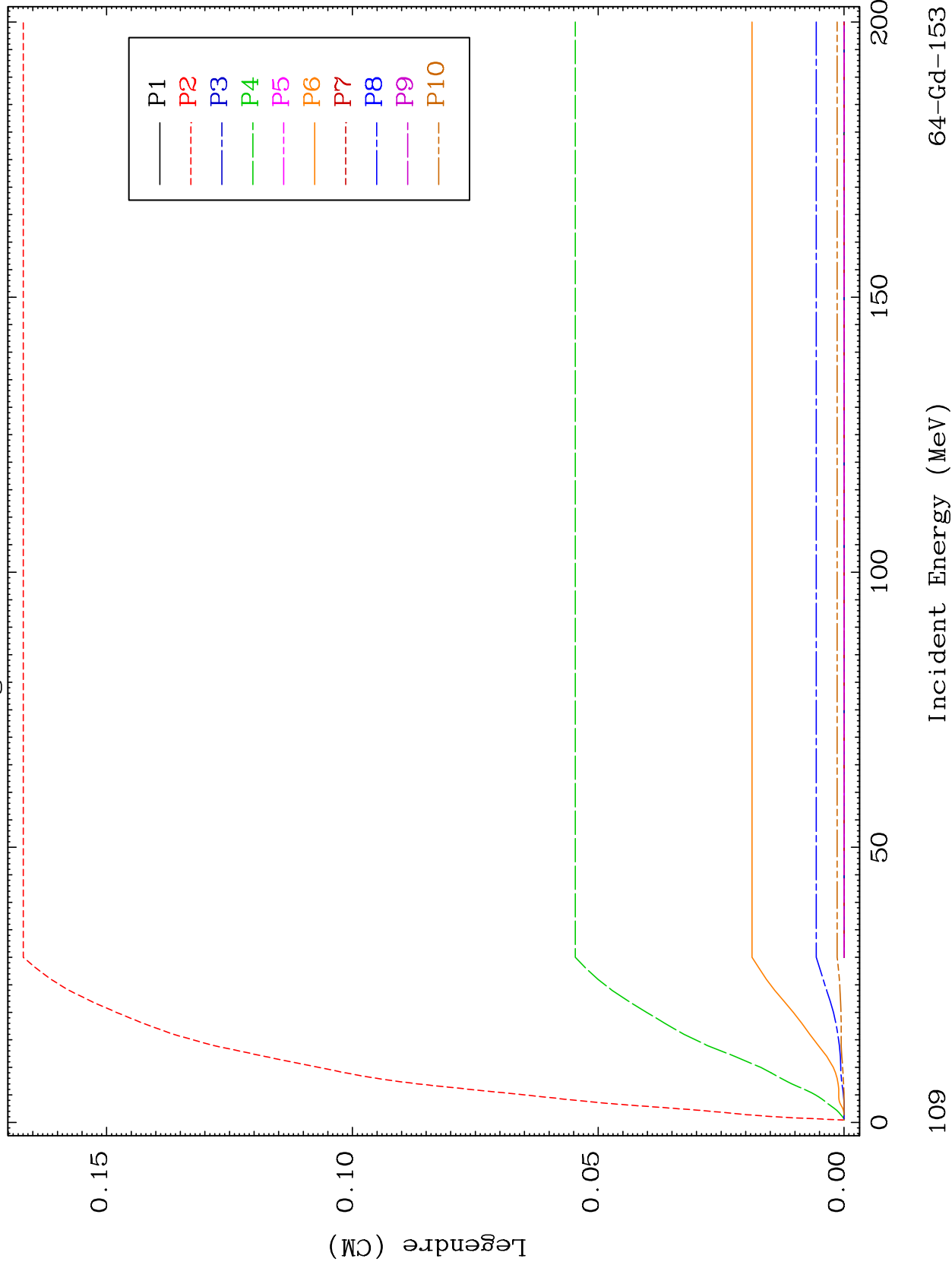
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

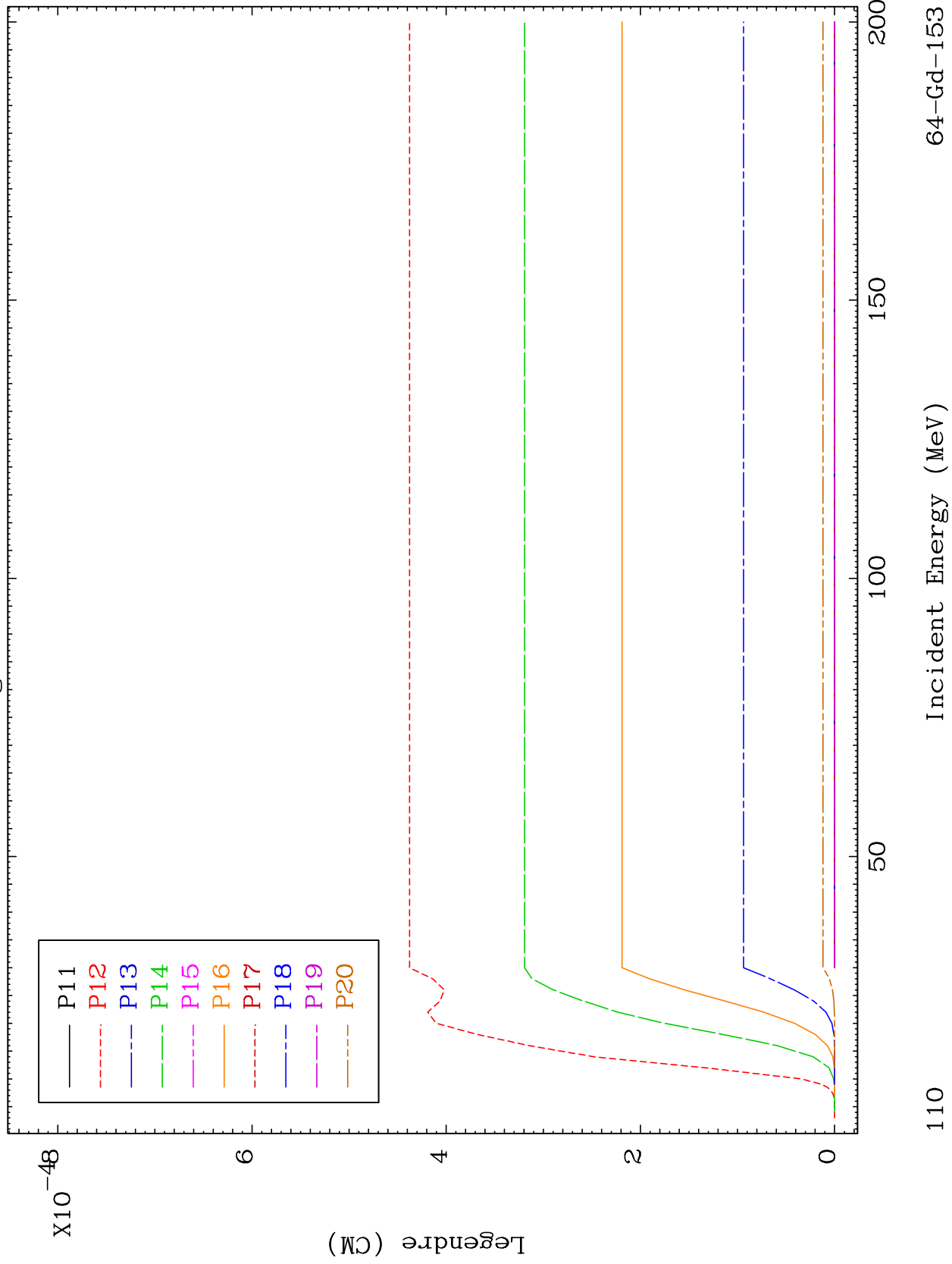
Incident Energy (MeV)

109

MAT 6428

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

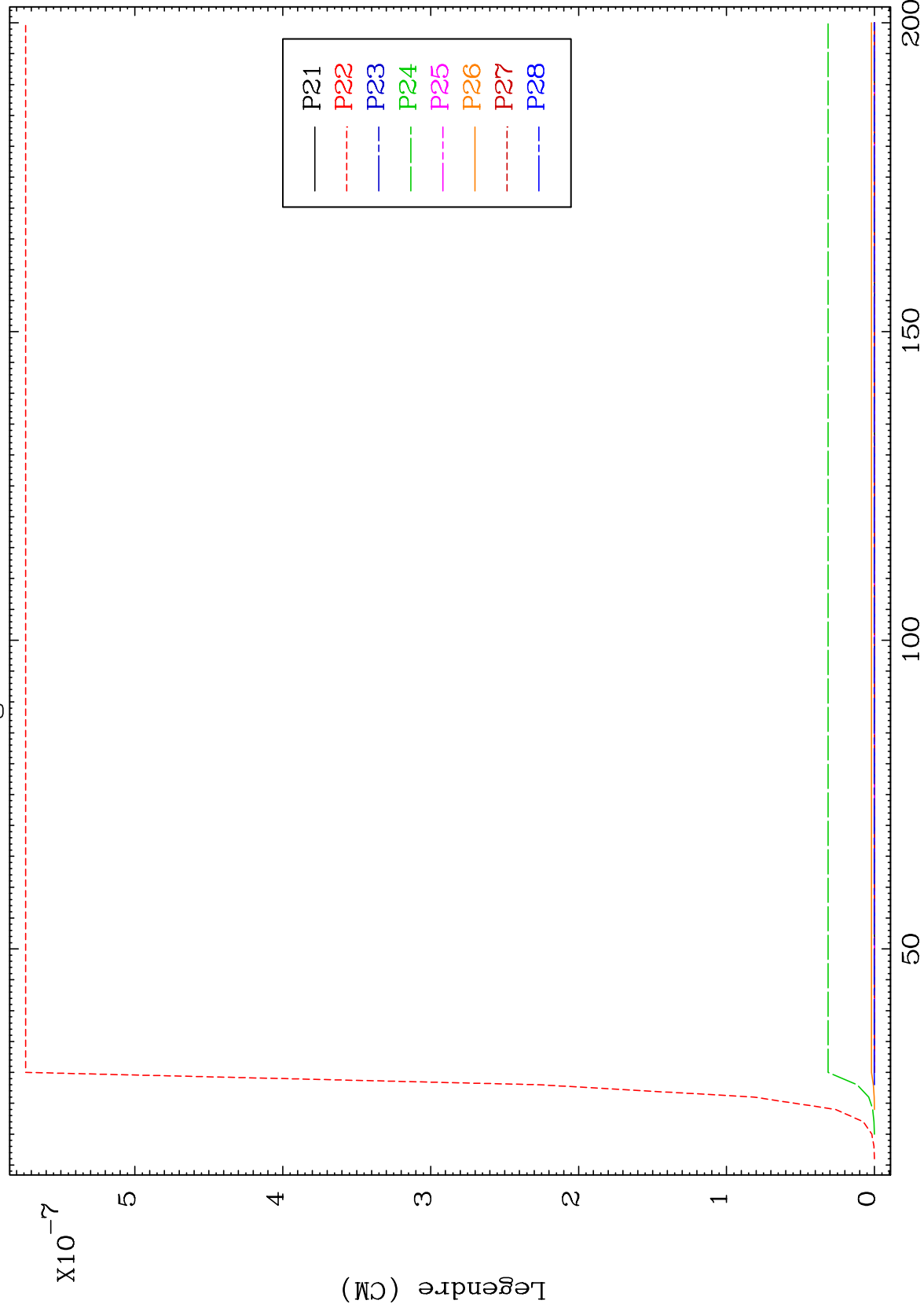
64-Gd-153



MAT 6428

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

64-Gd-153



111

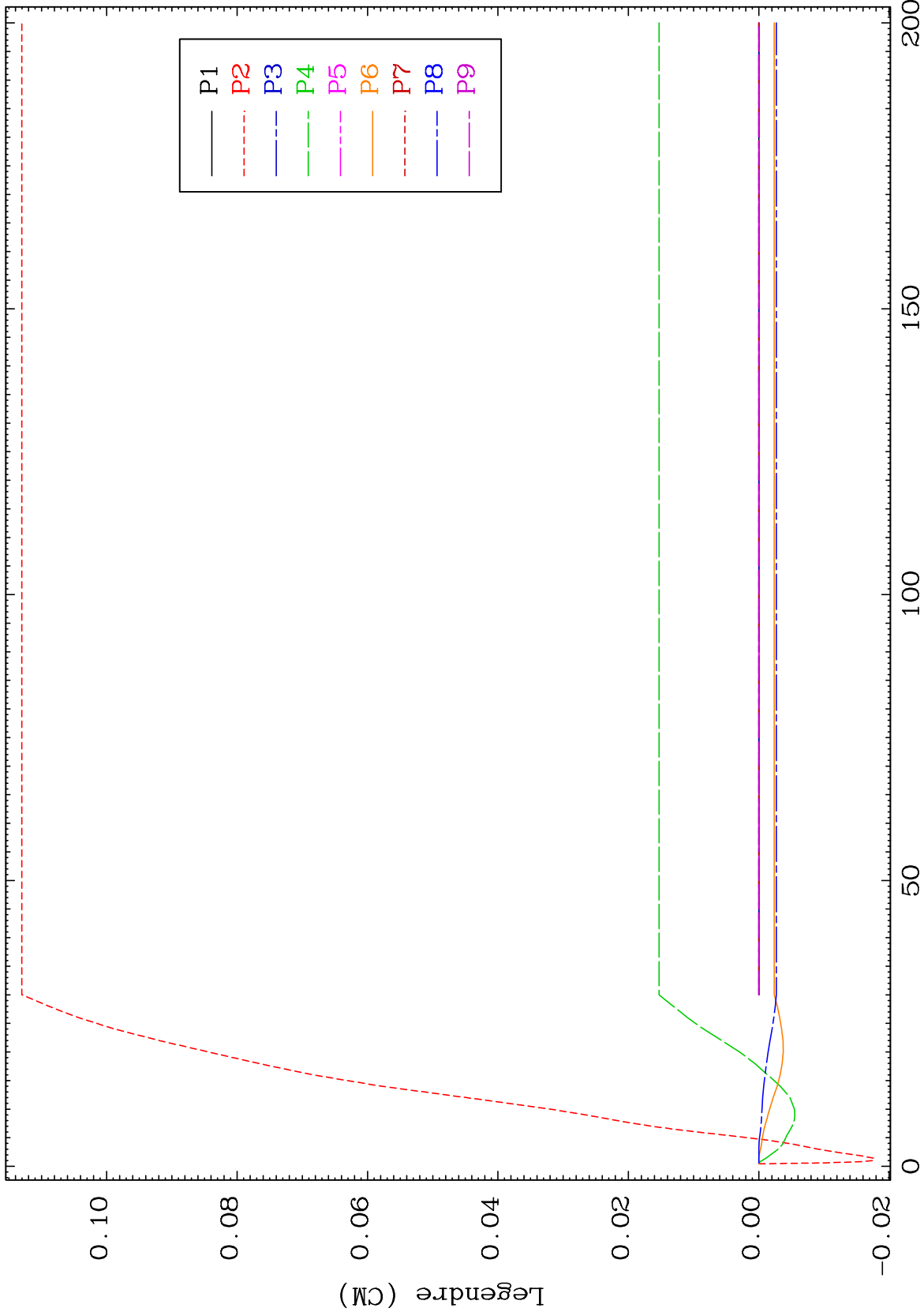
64-Gd-153



MAT 6428

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

64-Gd-153



64-Gd-153

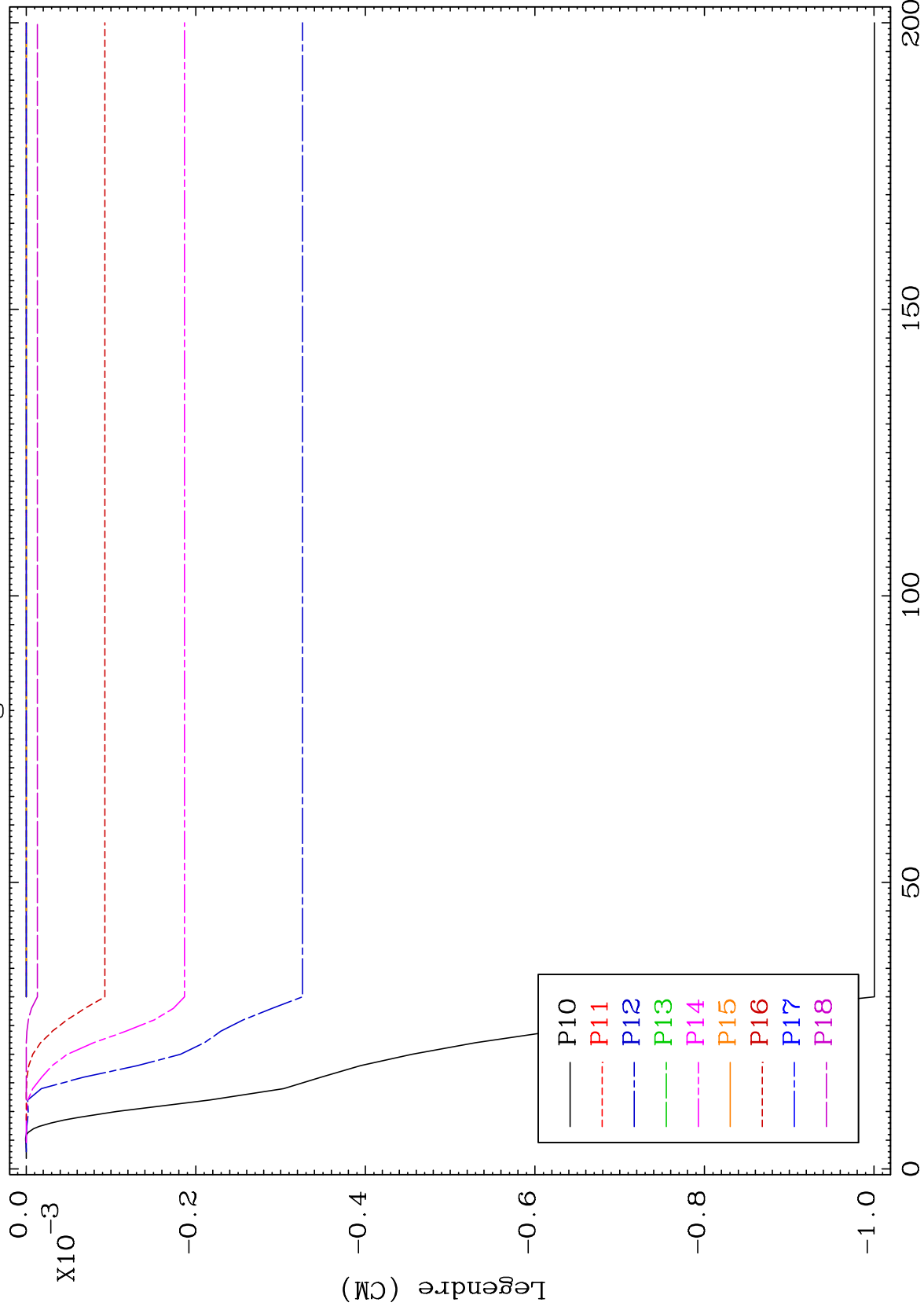
Incident Energy (MeV)

112

MAT 6428

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

64-Gd-153



113

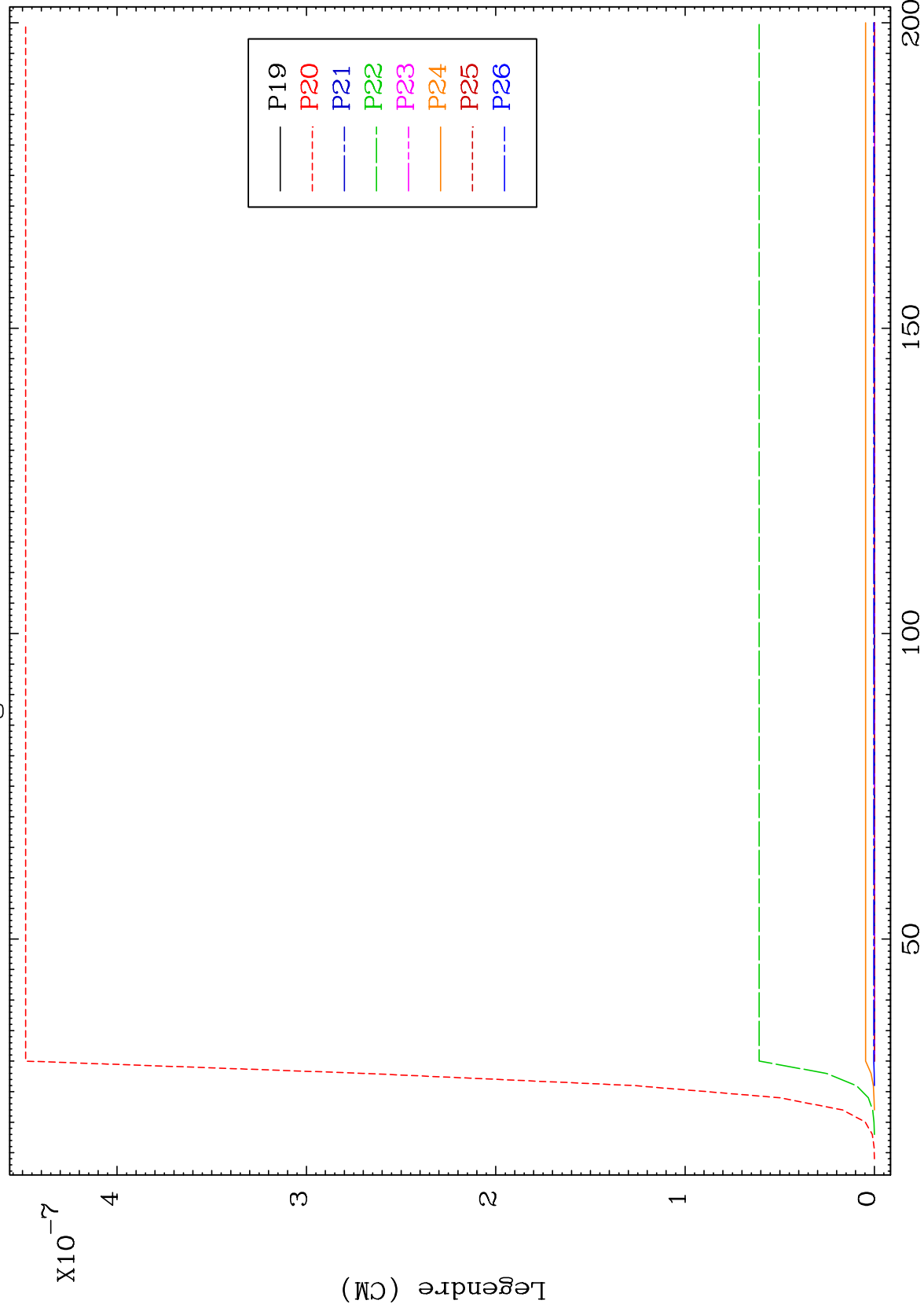
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



114

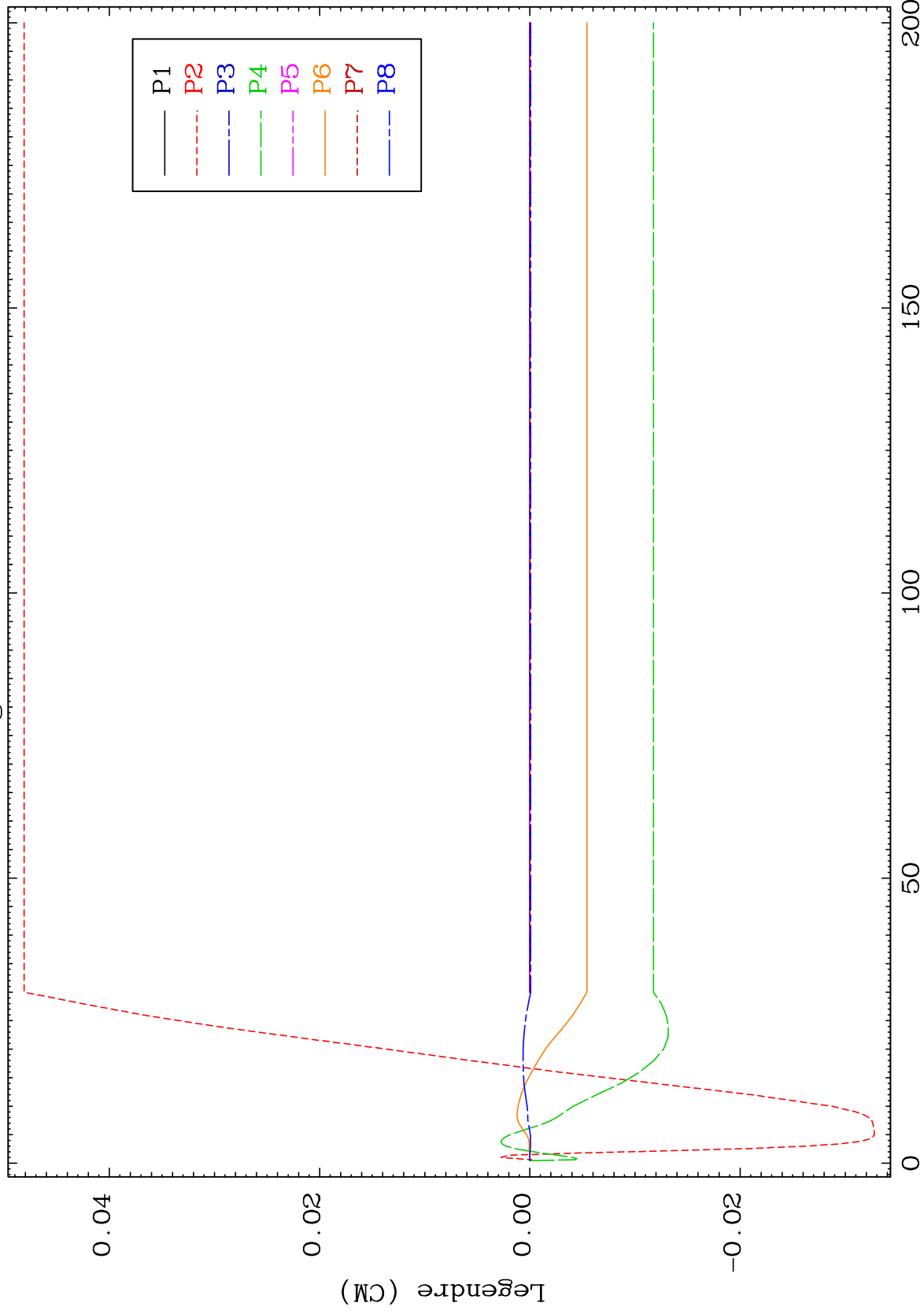
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

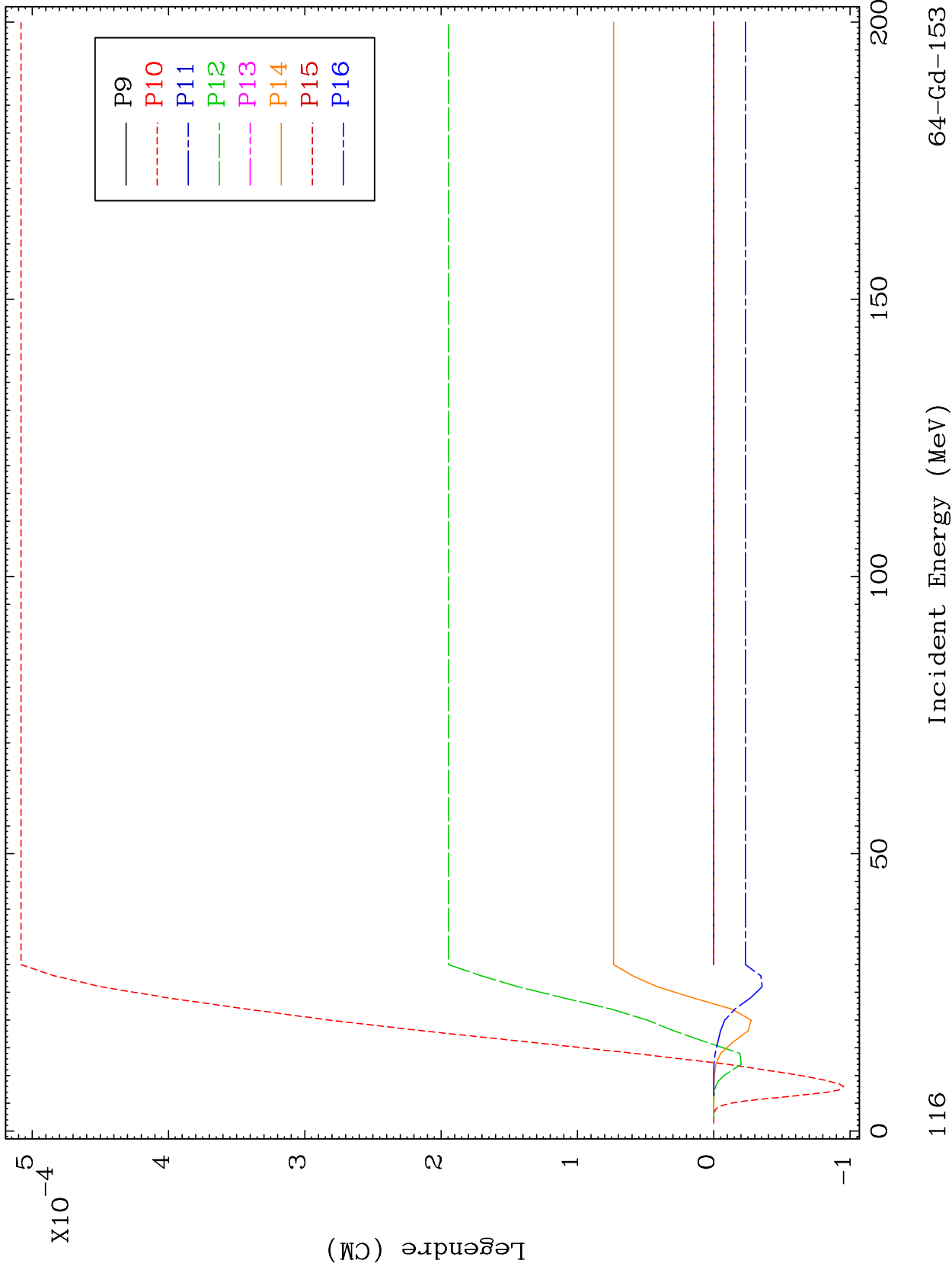
Incident Energy (MeV)

115

MAT 6428

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

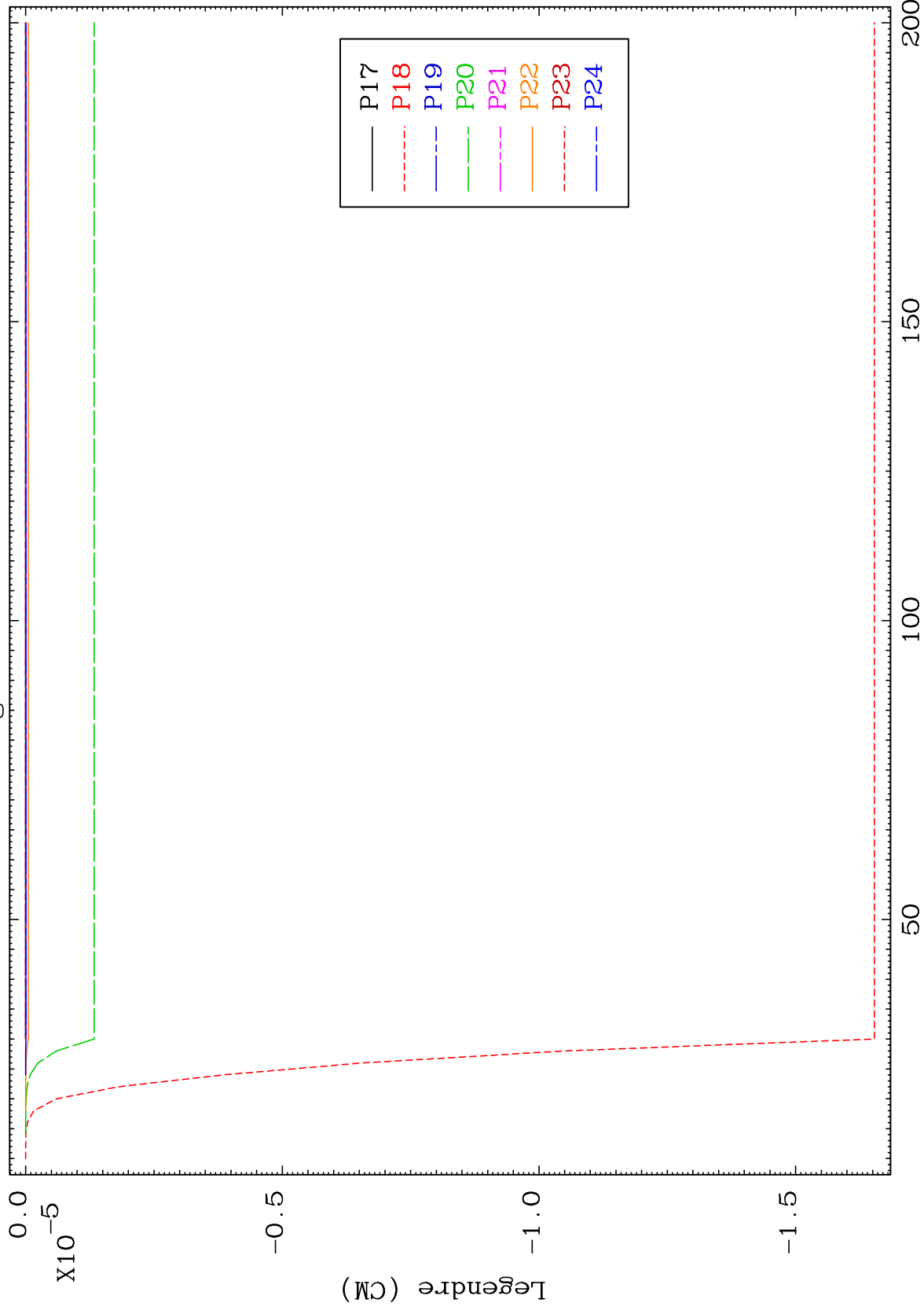
64-Gd-153



MAT 6428

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

64-Gd-153



117

Incident Energy (MeV)

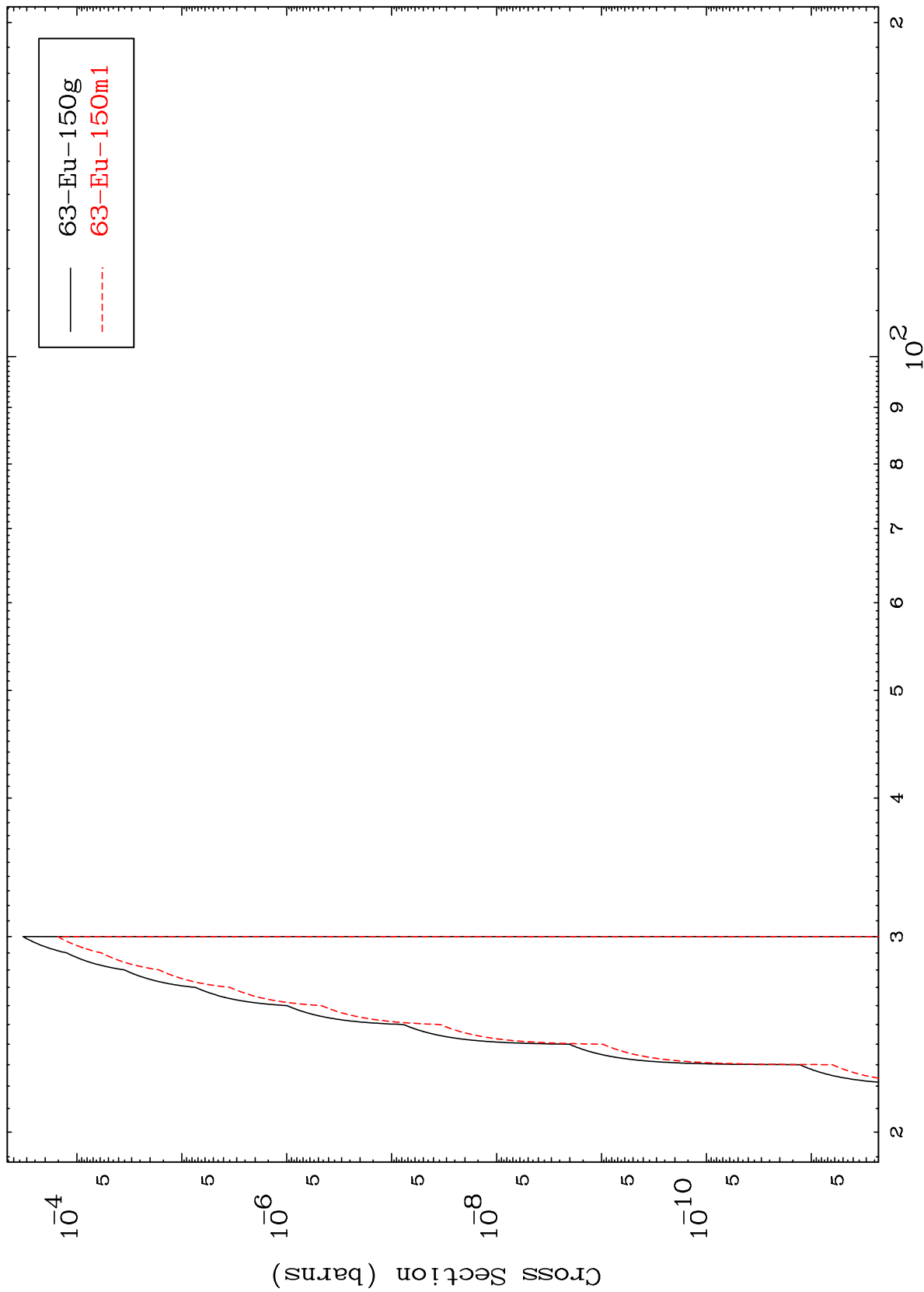
64-Gd-153

MAT 6428

(n,2n) d

64-Gd-153

Radionuclide Production Cross Section

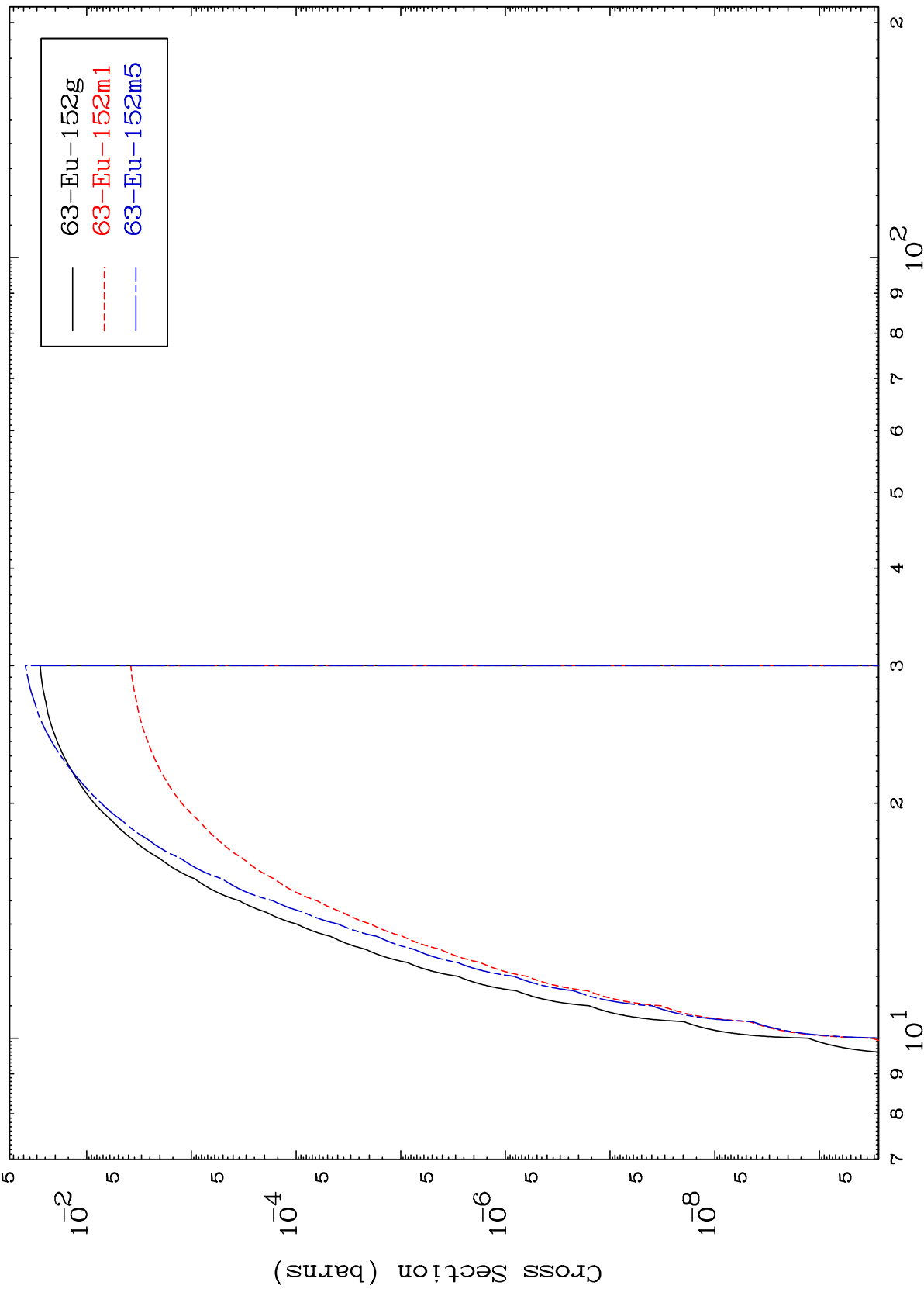


118

Incident Energy (MeV)

64-Gd-153

Radionuclide Production Cross Section



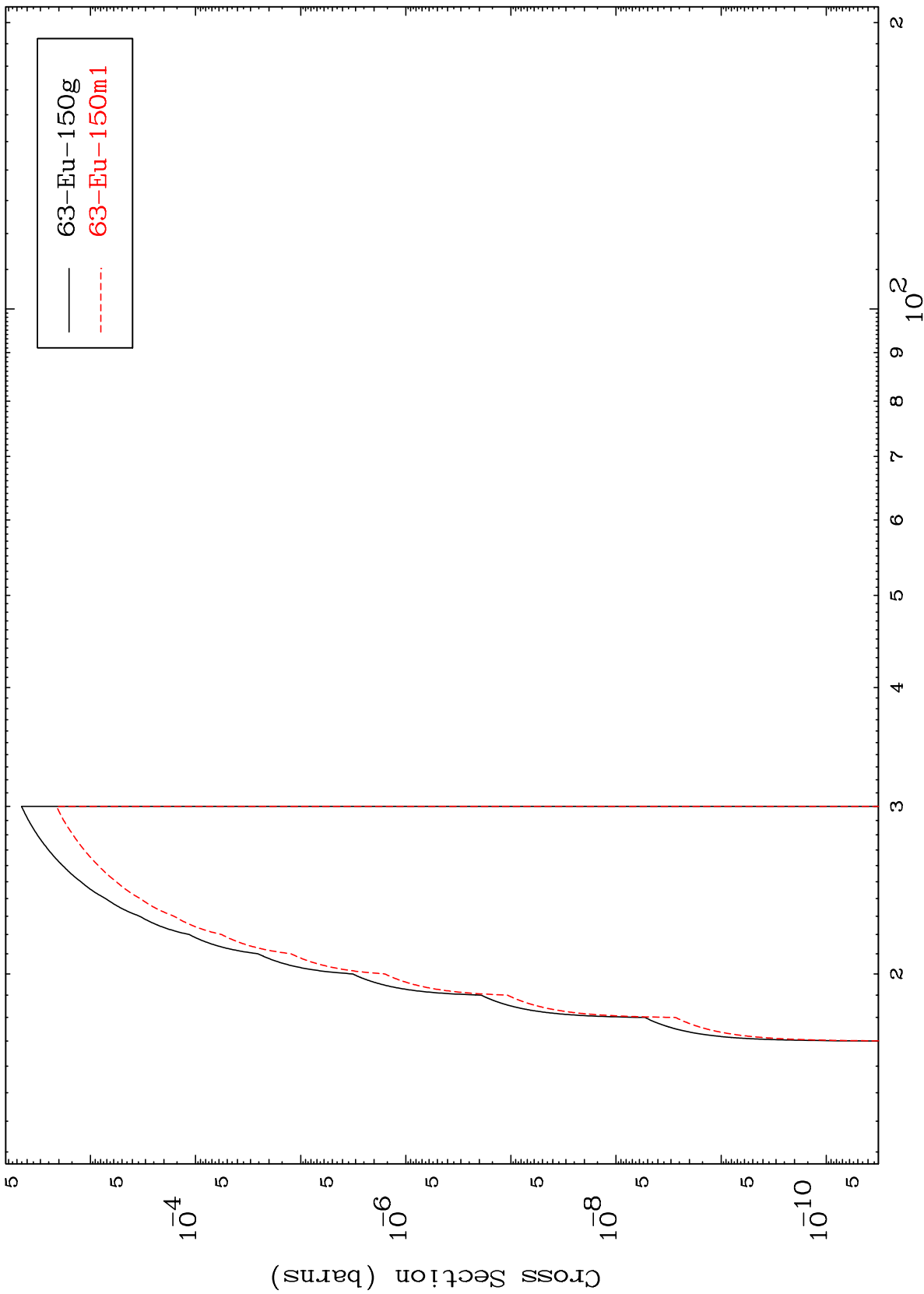


MAT 6428

(n,n') t

64-Gd-153

Radionuclide Production Cross Section



120

Incident Energy (MeV)

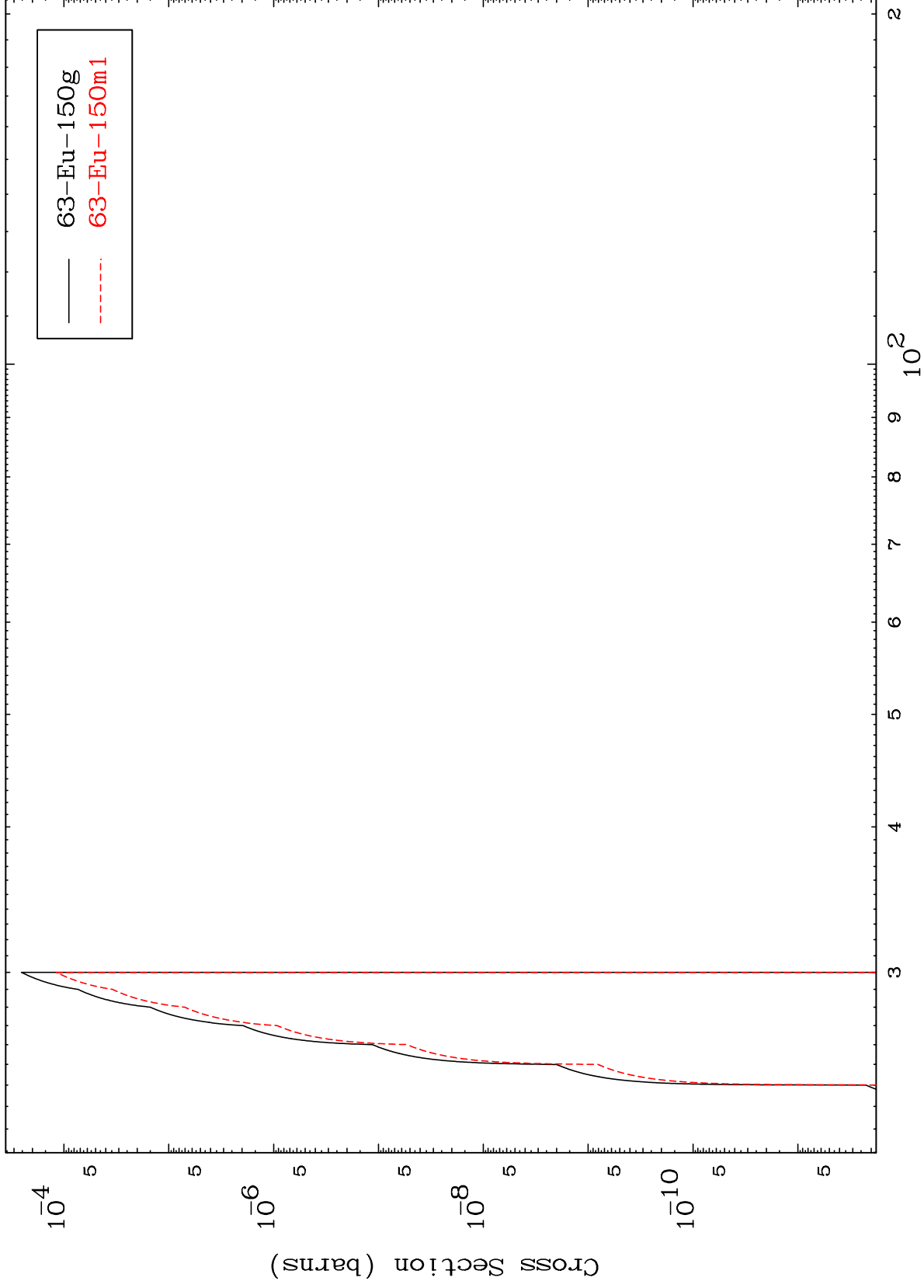
64-Gd-153

MAT 6428

(n,3n) p

64-Gd-153

Radionuclide Production Cross Section



121

Incident Energy (MeV)

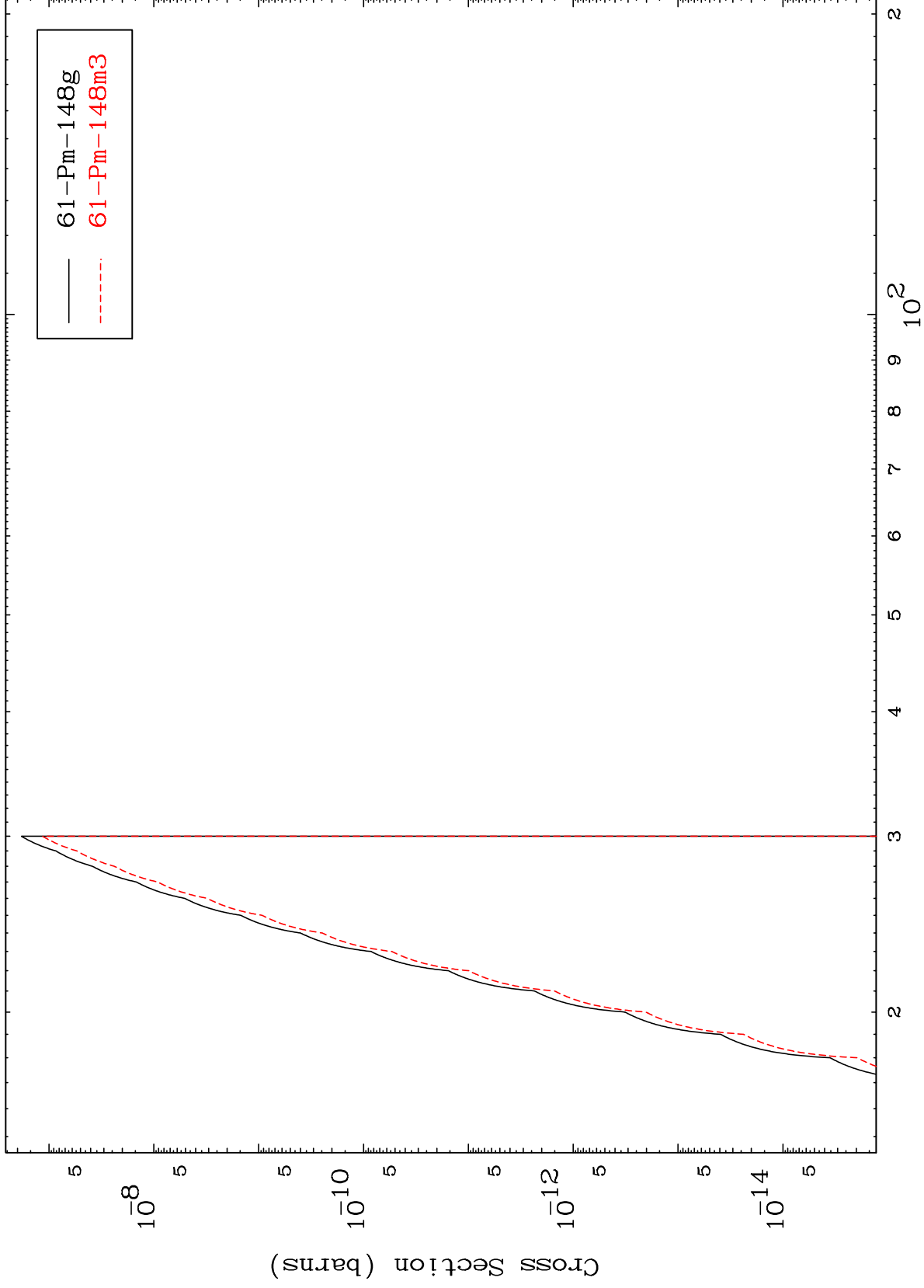
64-Gd-153

MAT 6428

(n,n') p  $\alpha$

64-Gd-153

Radionuclide Production Cross Section



122

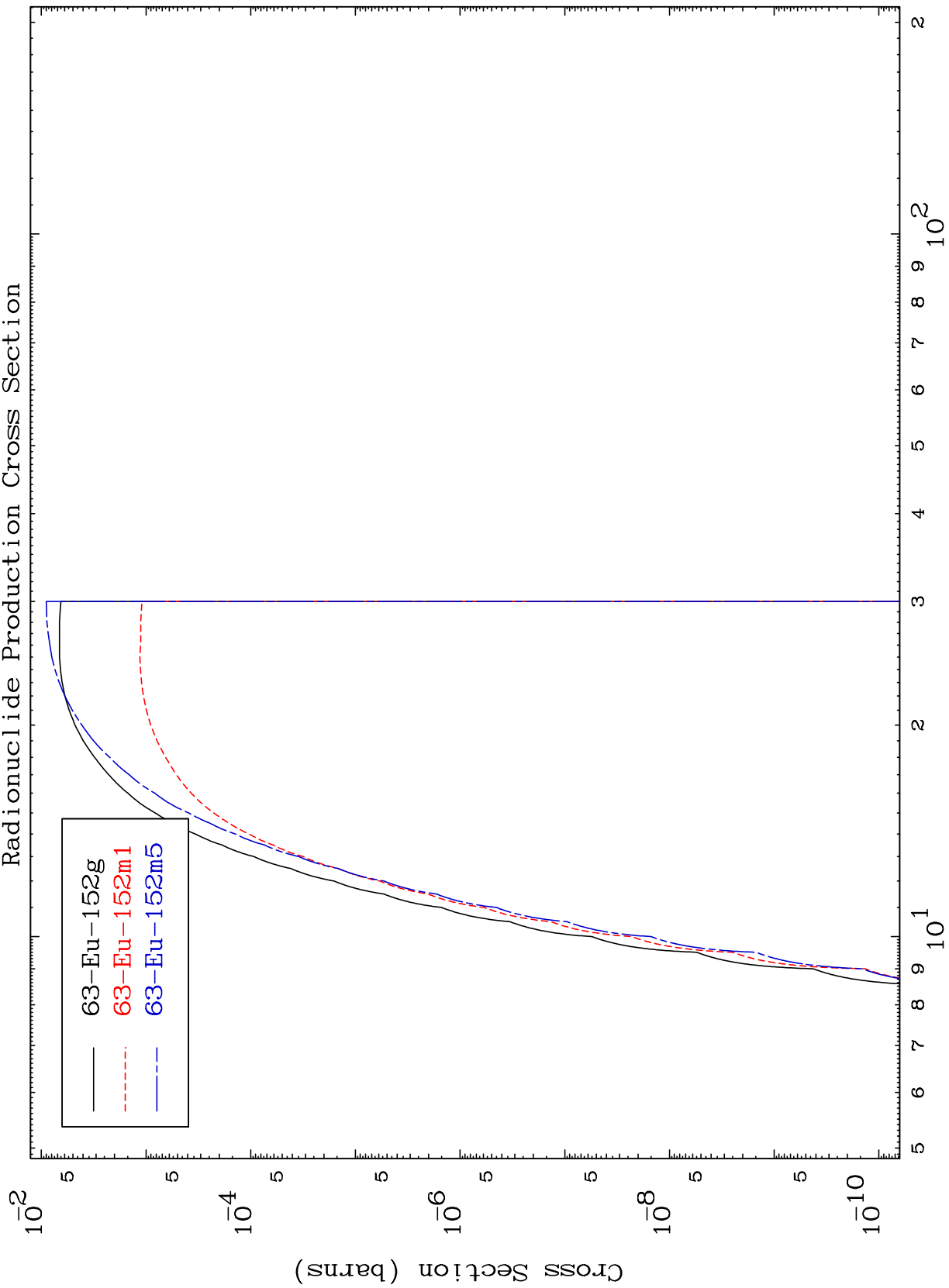
Incident Energy (MeV)

64-Gd-153

MAT 6428

64-Gd-153

(n,d)  
Radionuclide Production Cross Section



123

Incident Energy (MeV)

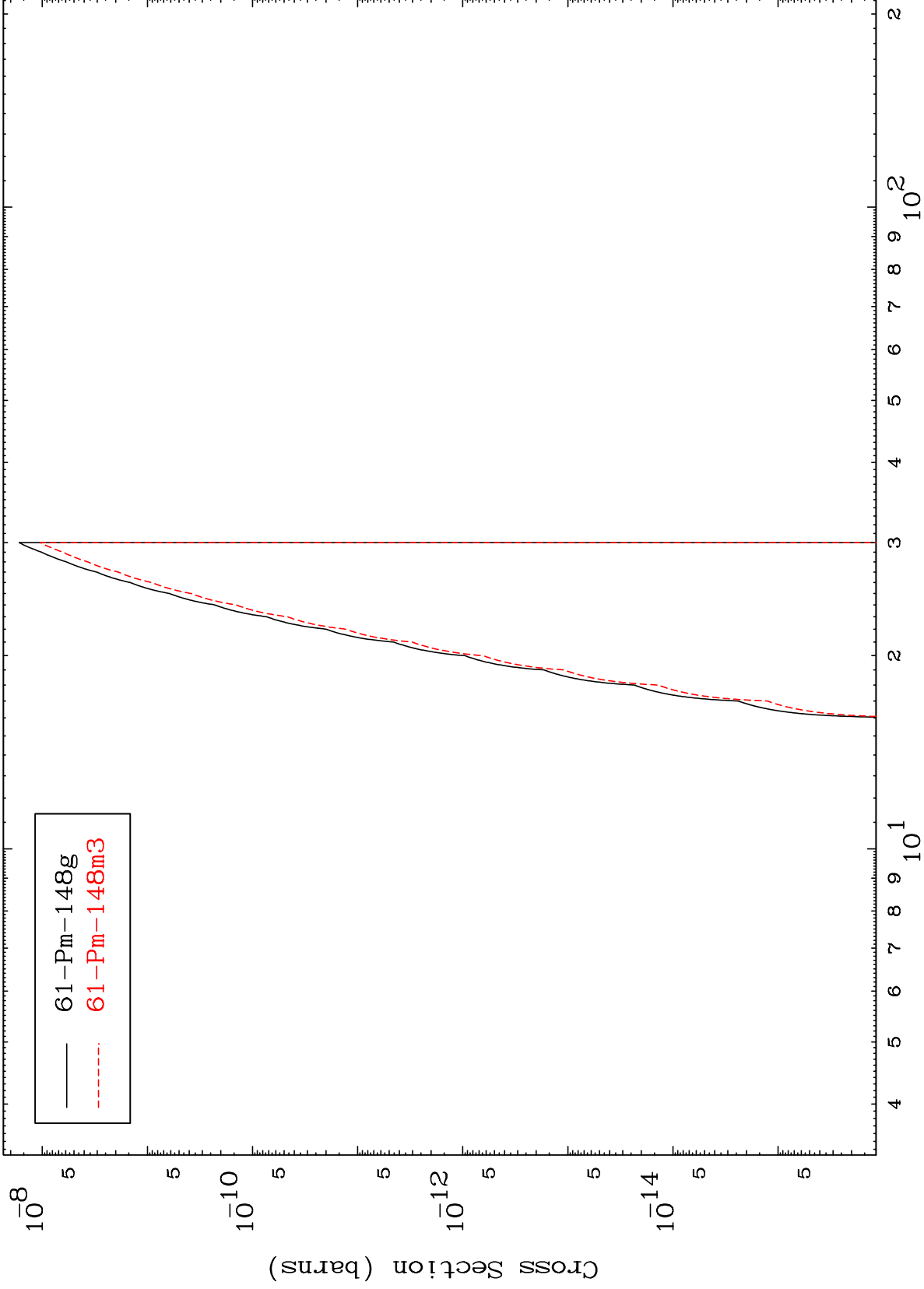
64-Gd-153

MAT 6428

(n,d)  $\alpha$

64-Gd-153

Radionuclide Production Cross Section



124

Incident Energy (MeV)

64-Gd-153