

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

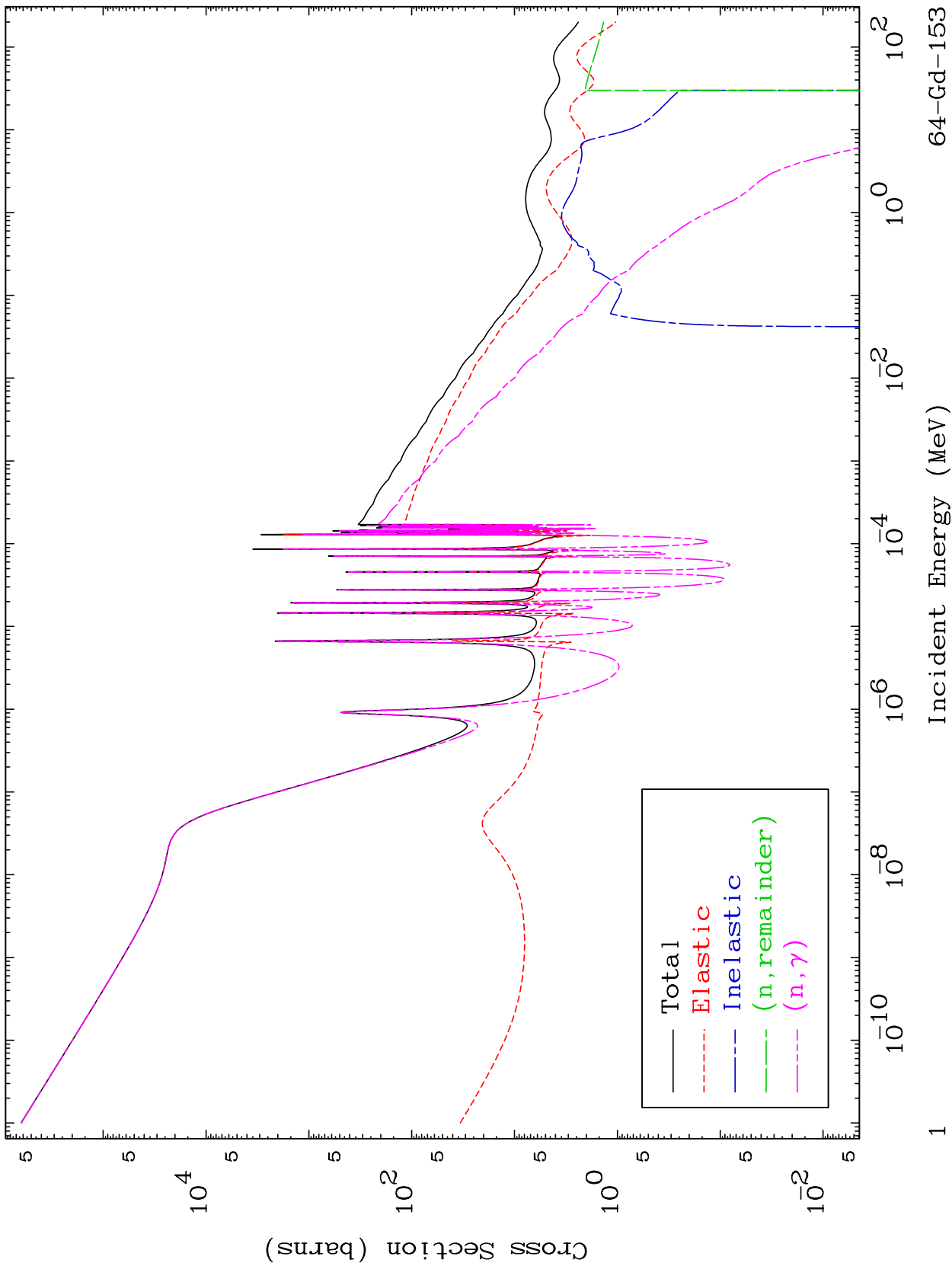
Press Mouse Button to Start

MAT 6428

Major

293 Kelvin Cross Sections

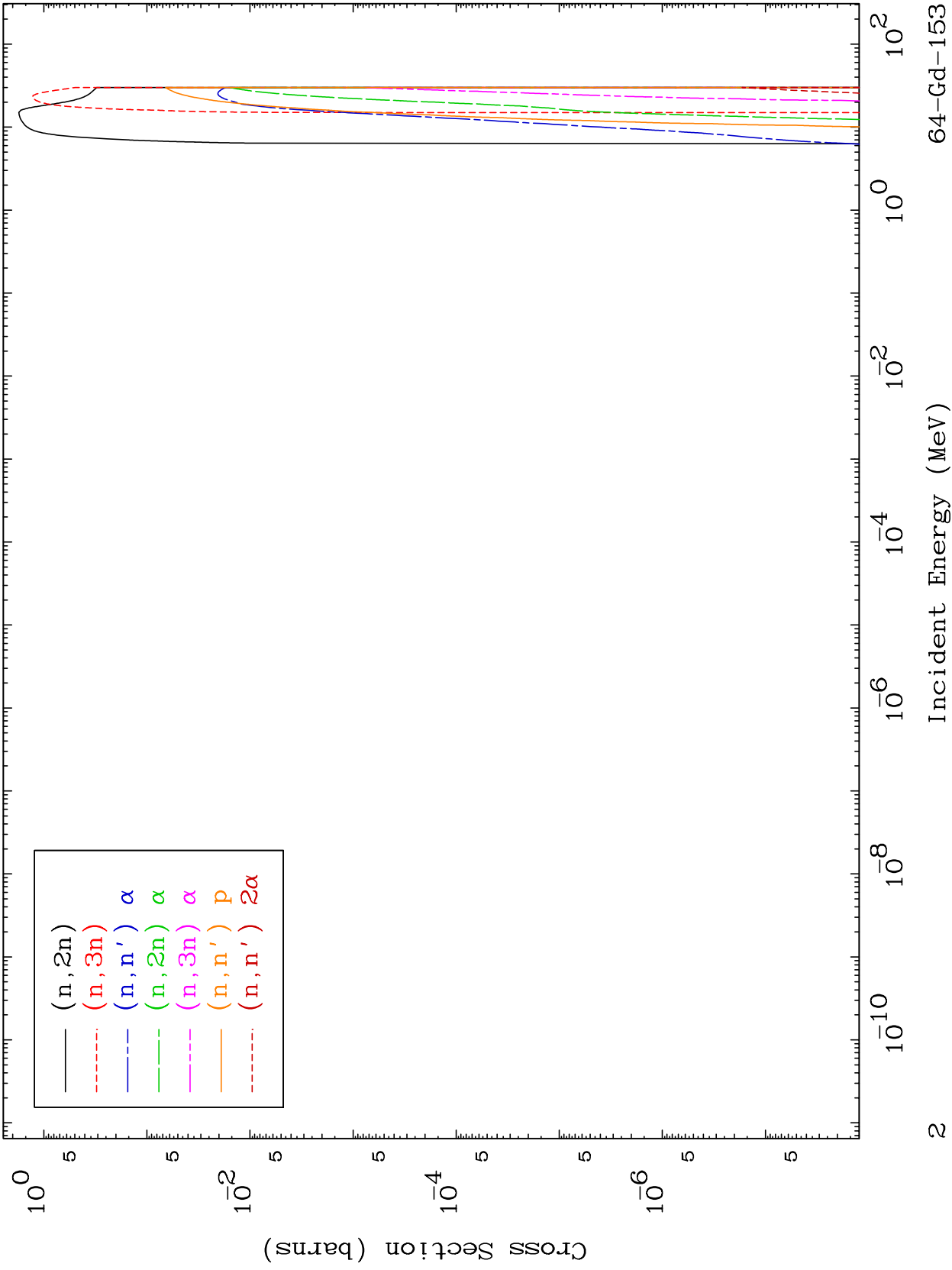
64-Gd-153

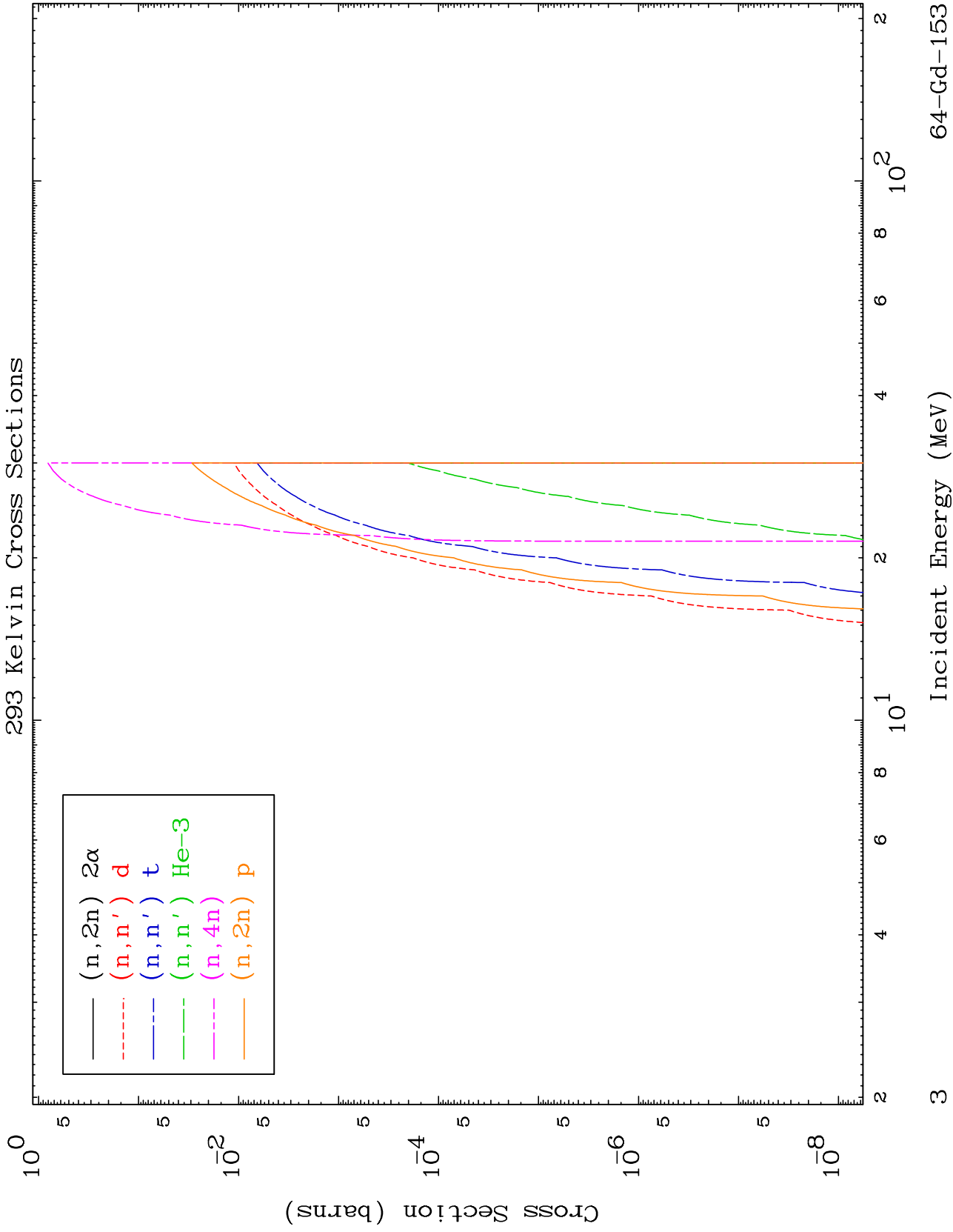


MAT 6428

Neutron Production
293 Kelvin Cross Sections

64-Gd-153

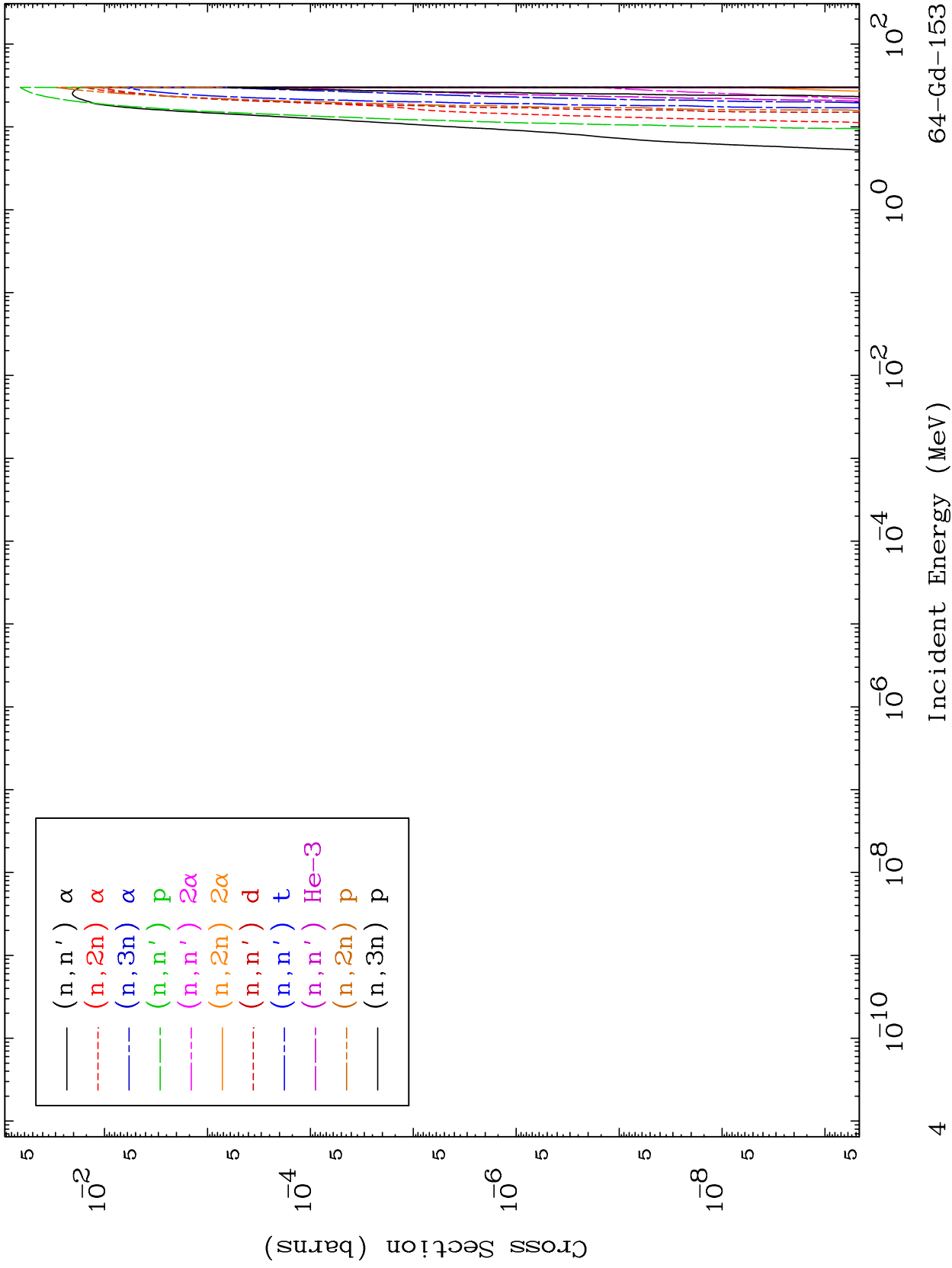




MAT 6428

Charged Particle
293 Kelvin Cross Sections

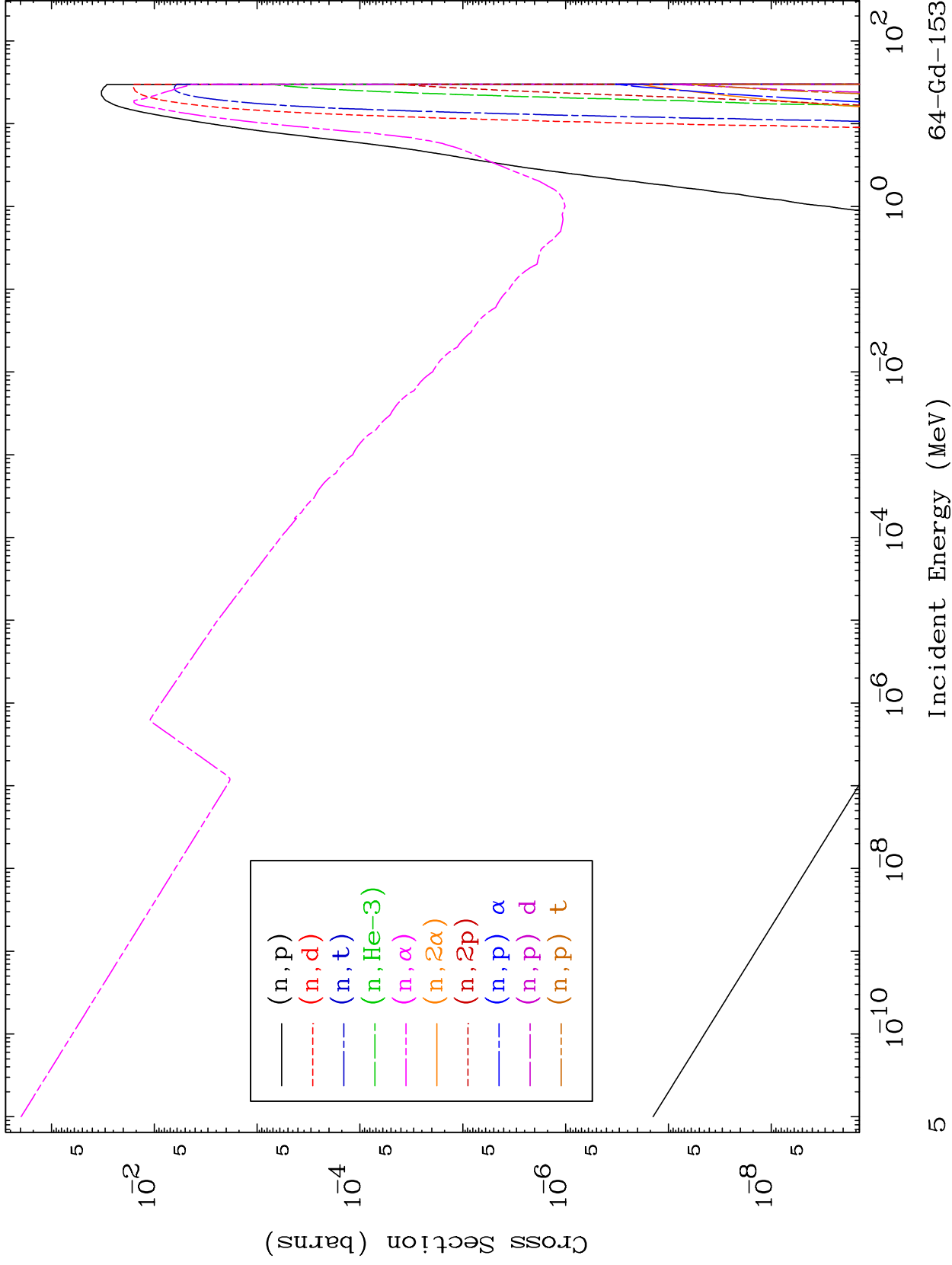
64-Gd-153



MAT 6428

Charged Particle
293 Kelvin Cross Sections

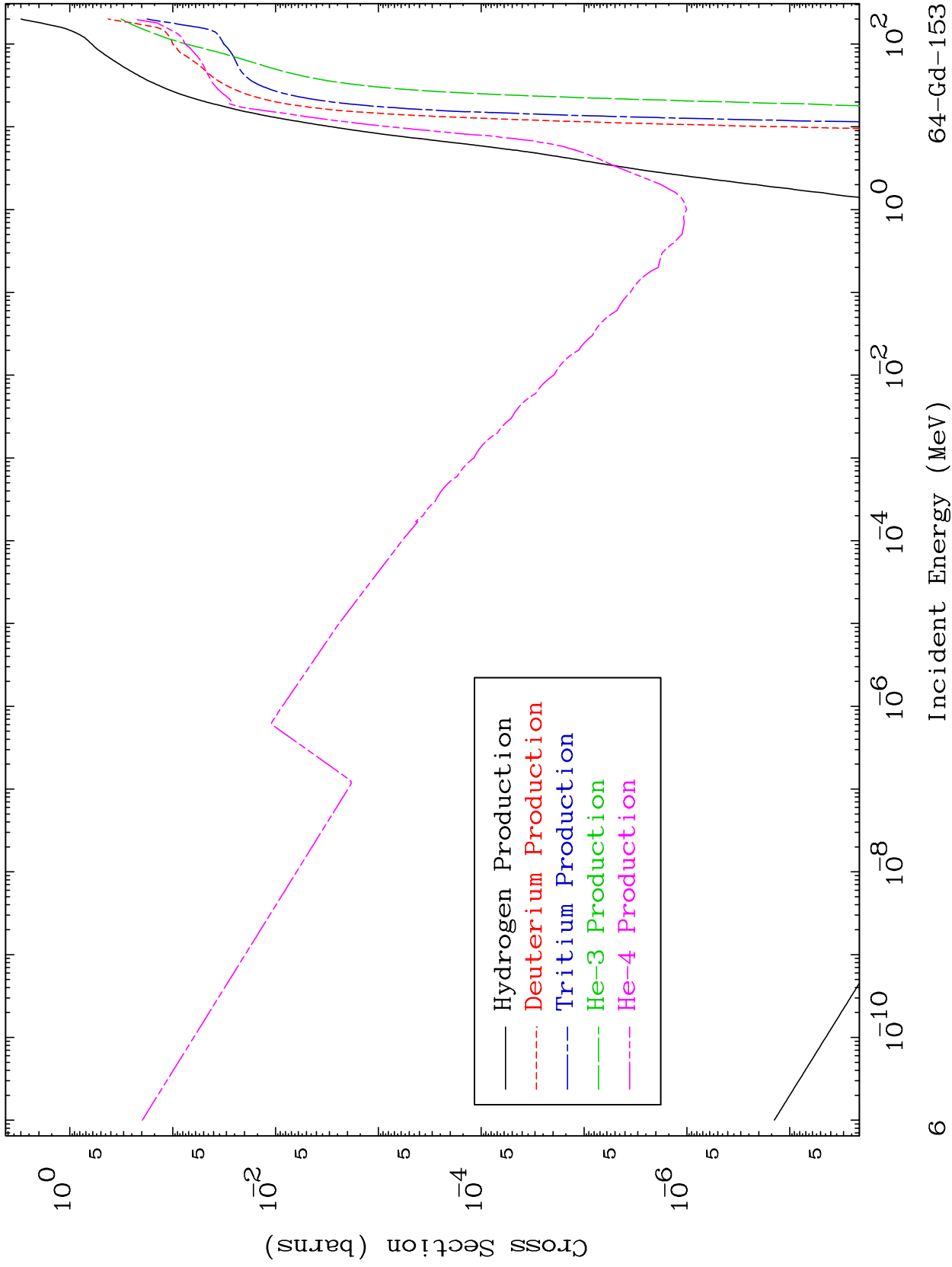
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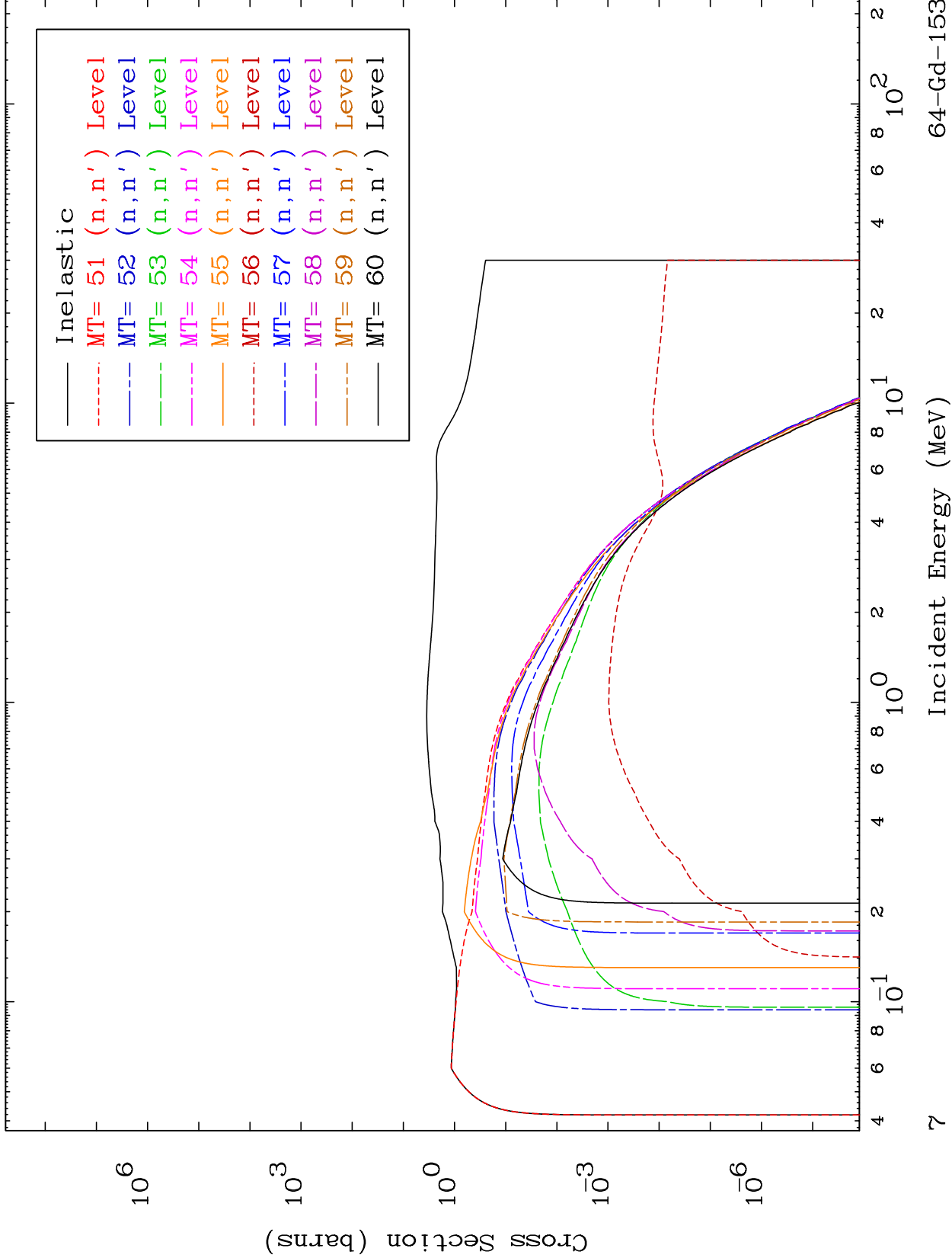
MAT 6428

Particle Production
293 Kelvin Cross Sections

64-Gd-153



293 Kelvin Cross Sections

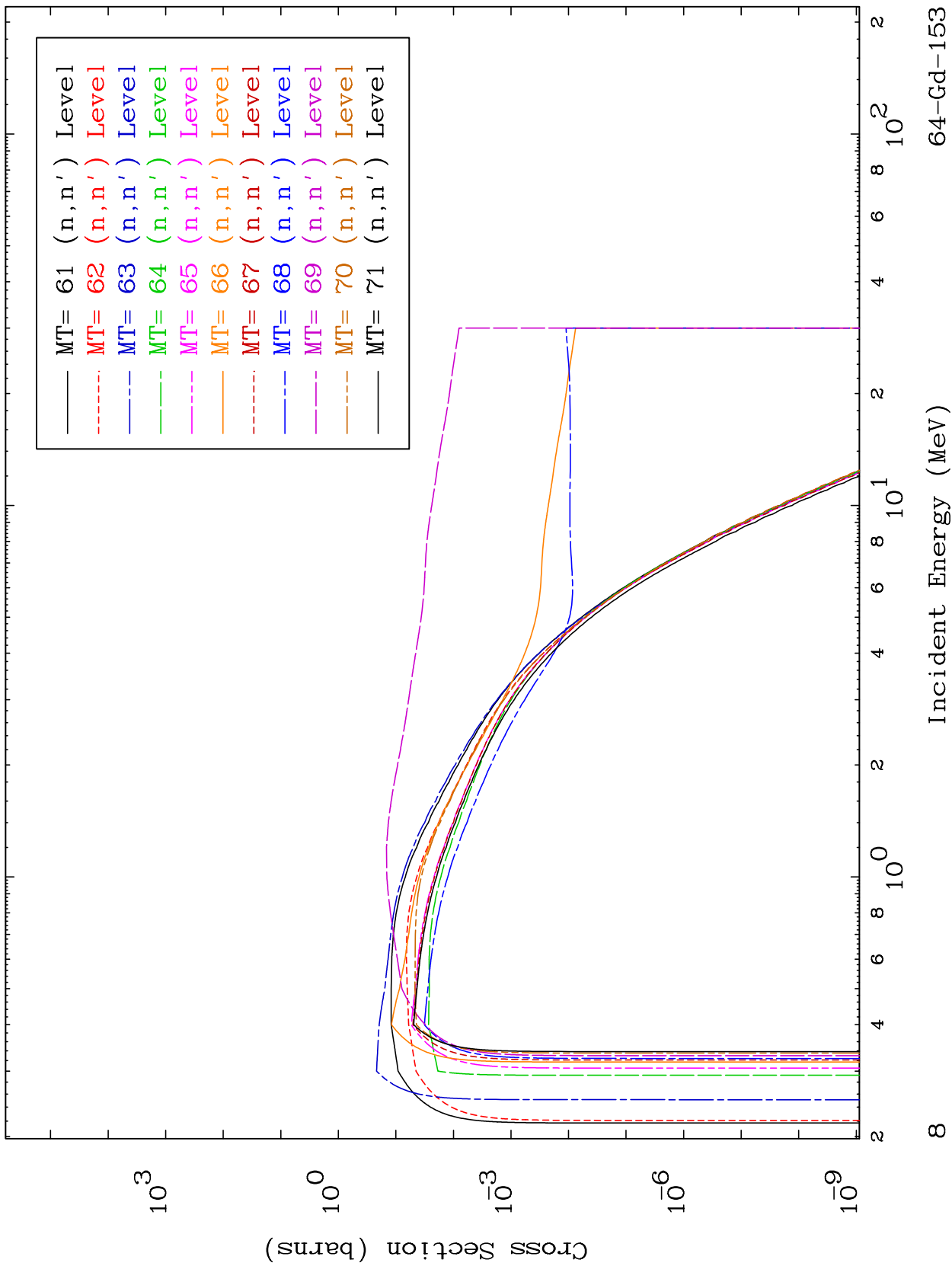


MAT 6428

(n,n') Level

64-Gd-153

293 Kelvin Cross Sections



64-Gd-153

Incident Energy (MeV)

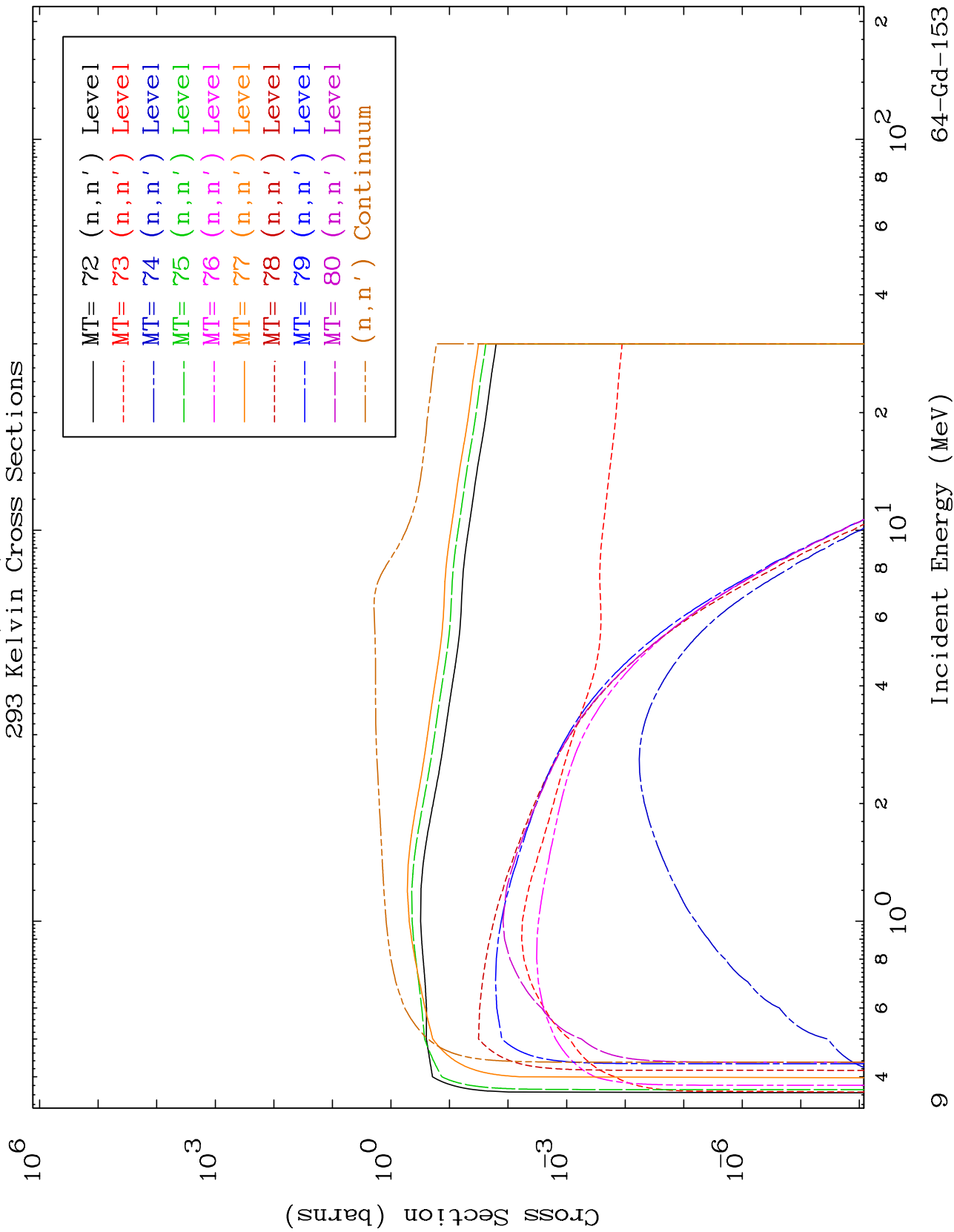
8

MAT 6428

(n,n') Level

293 Kelvin Cross Sections

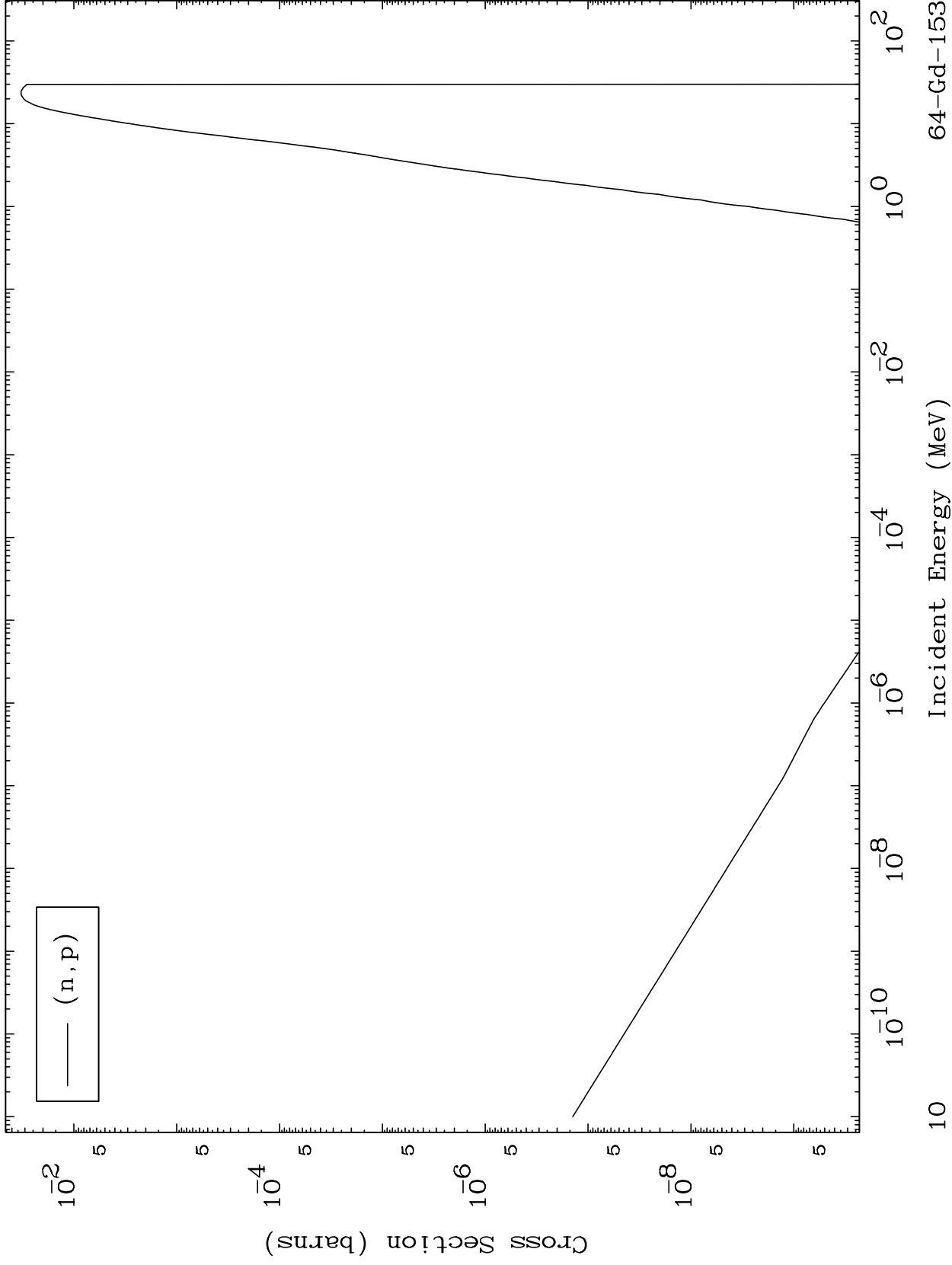
64-Gd-153



MAT 6428

(n,p) Levels
293 Kelvin Cross Sections

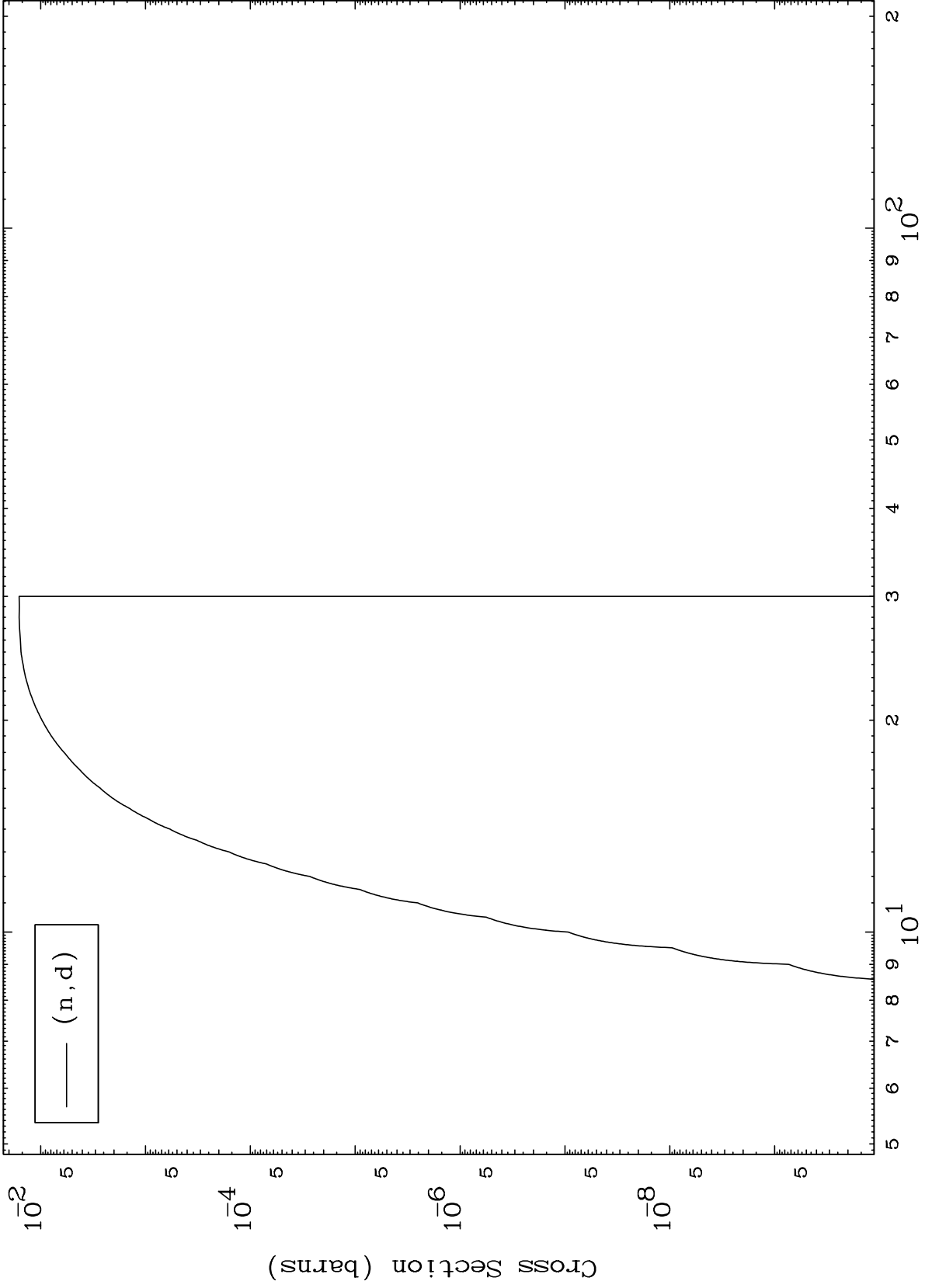
64-Gd-153



MAT 6428

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-153



11

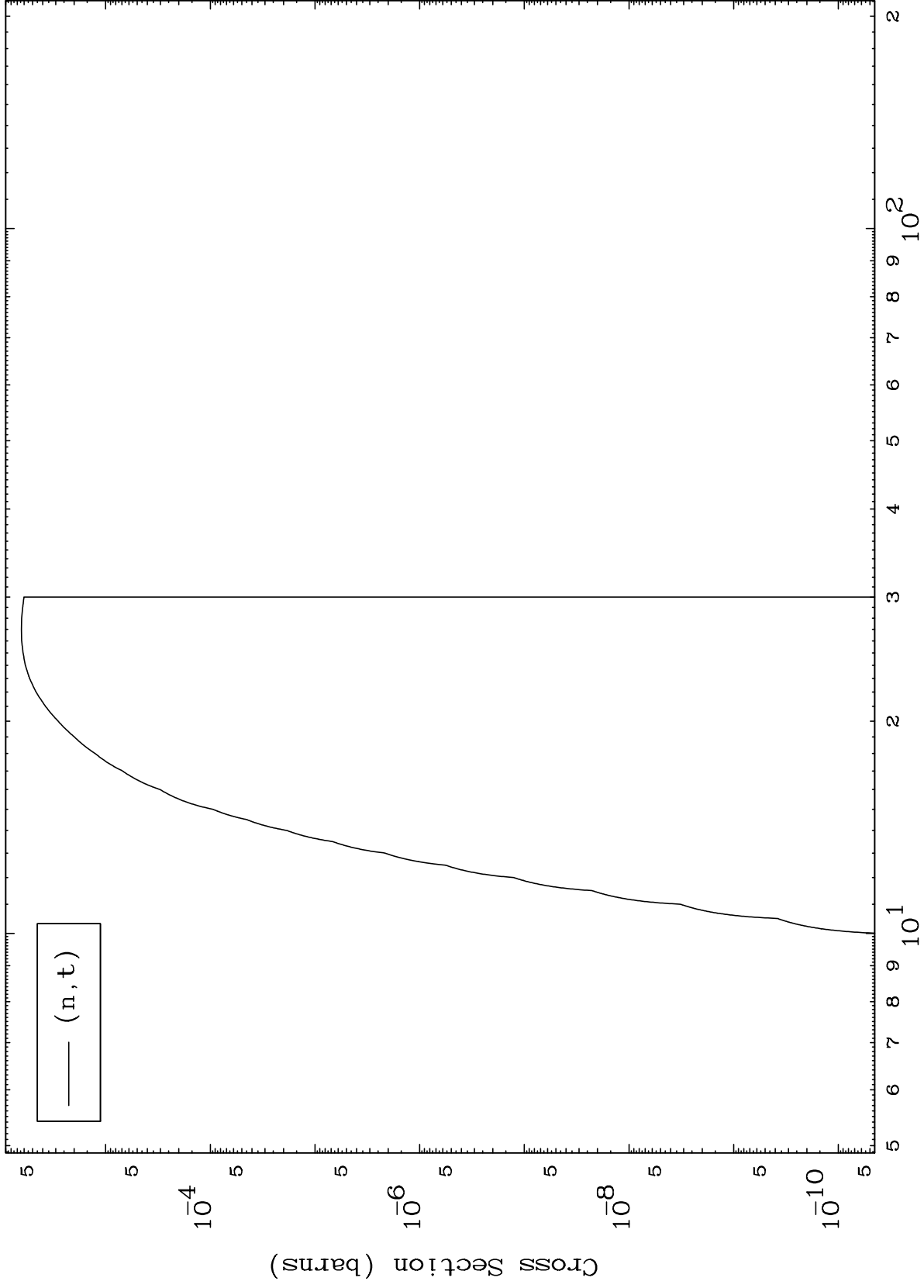
Incident Energy (MeV)

64-Gd-153

MAT 6428

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-153



12

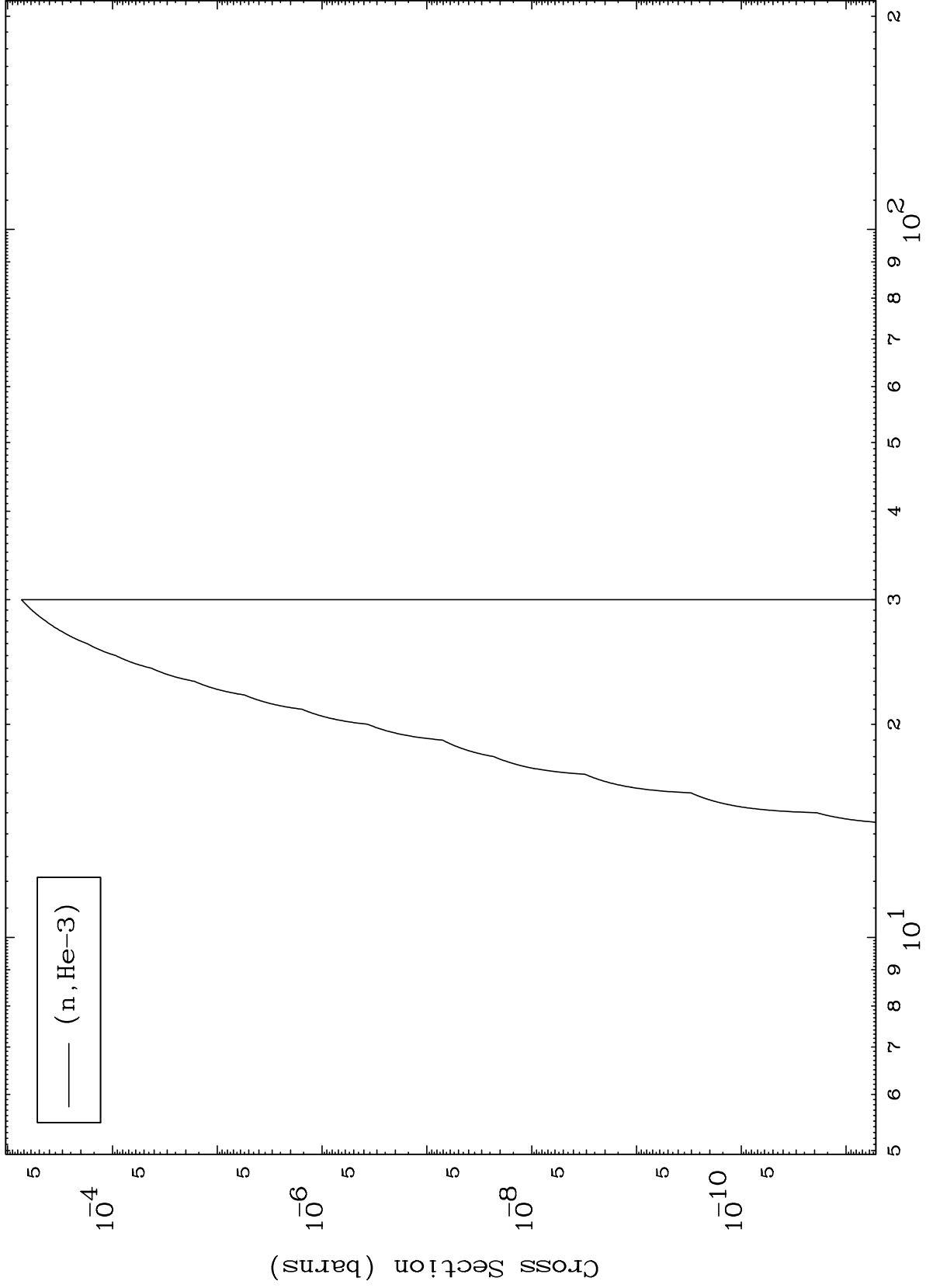
Incident Energy (MeV)

64-Gd-153

MAT 6428

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-153



13

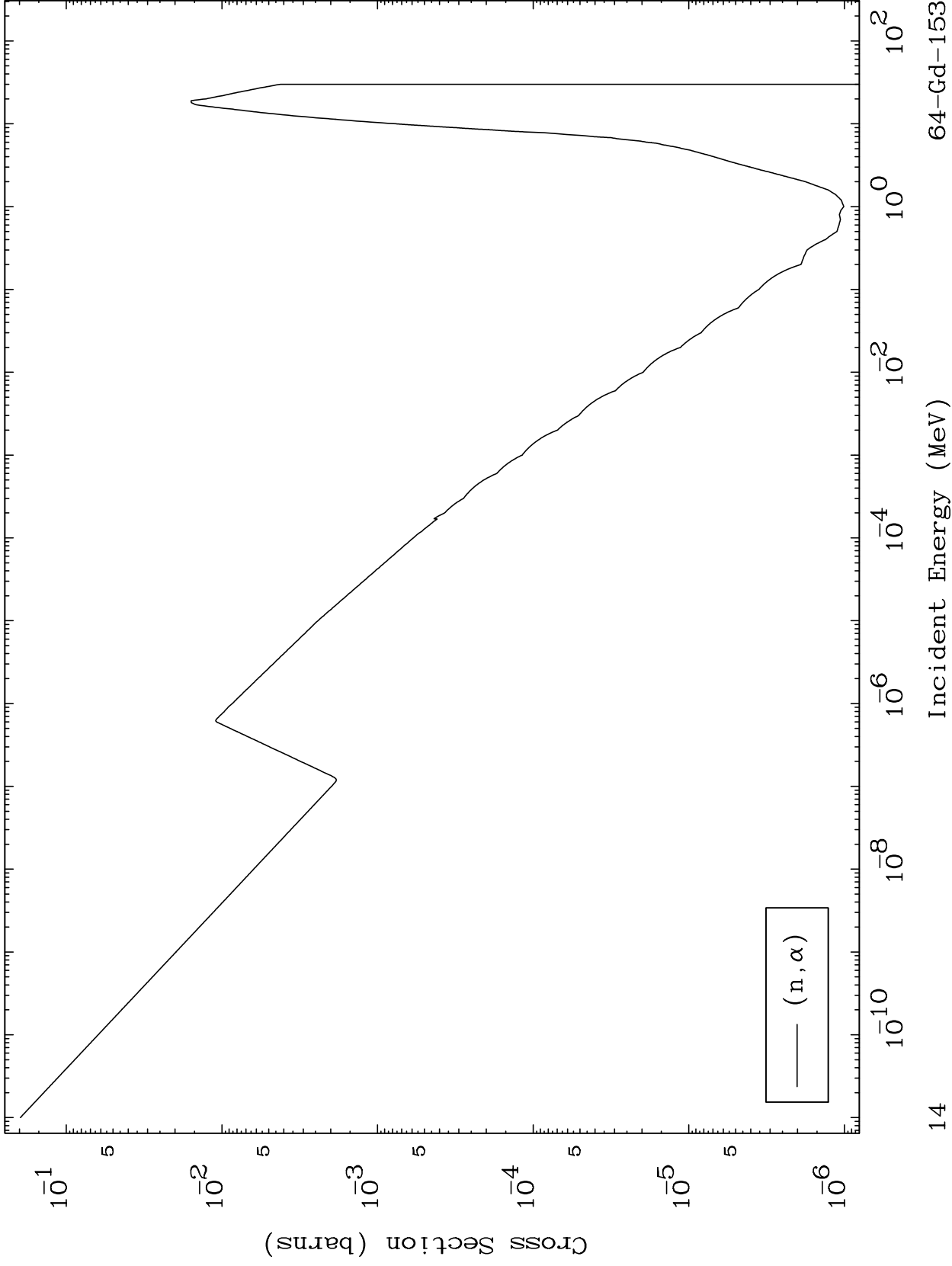
Incident Energy (MeV)

64-Gd-153

MAT 6428

(n,α) Levels
293 Kelvin Cross Sections

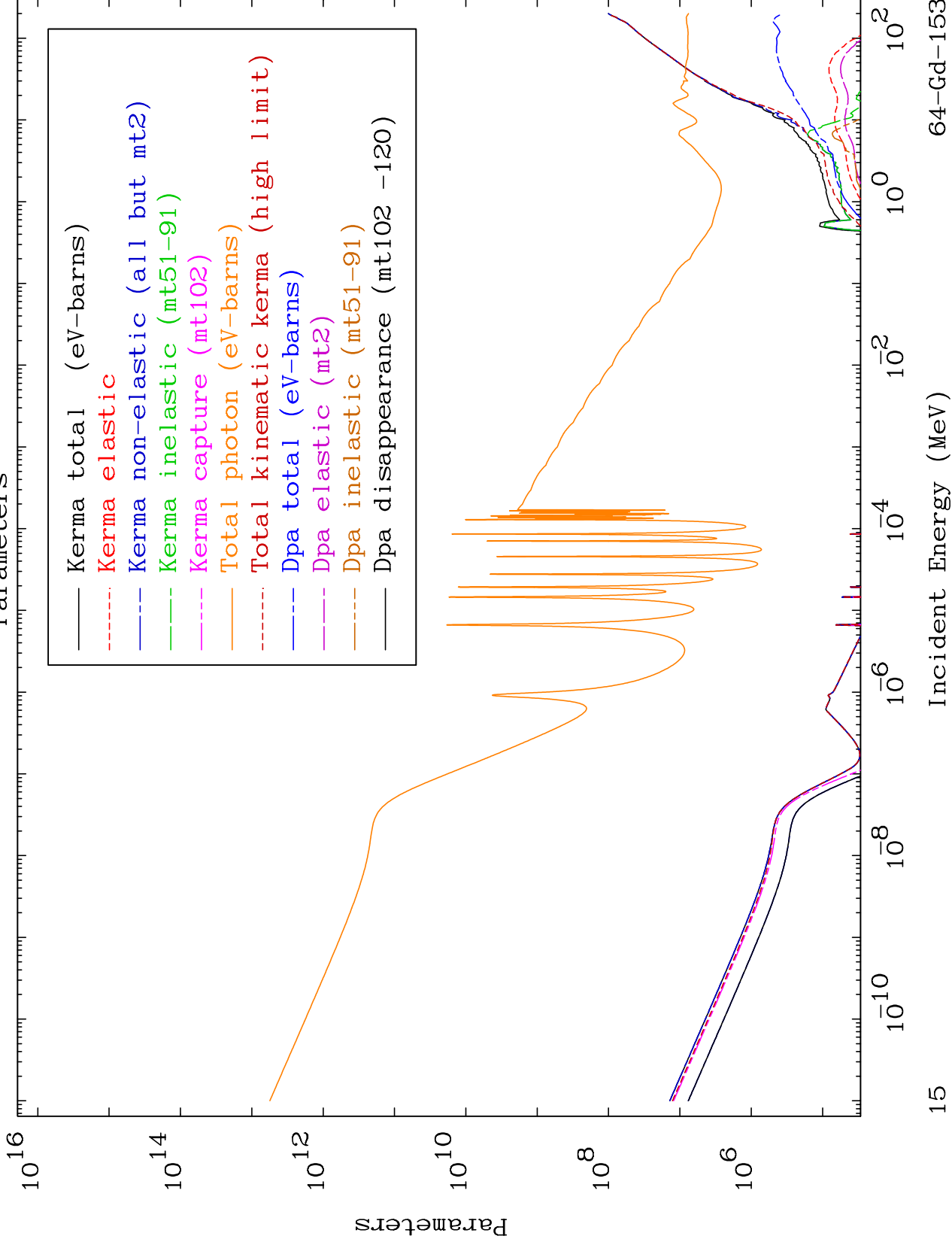
64-Gd-153



14

Incident Energy (MeV)

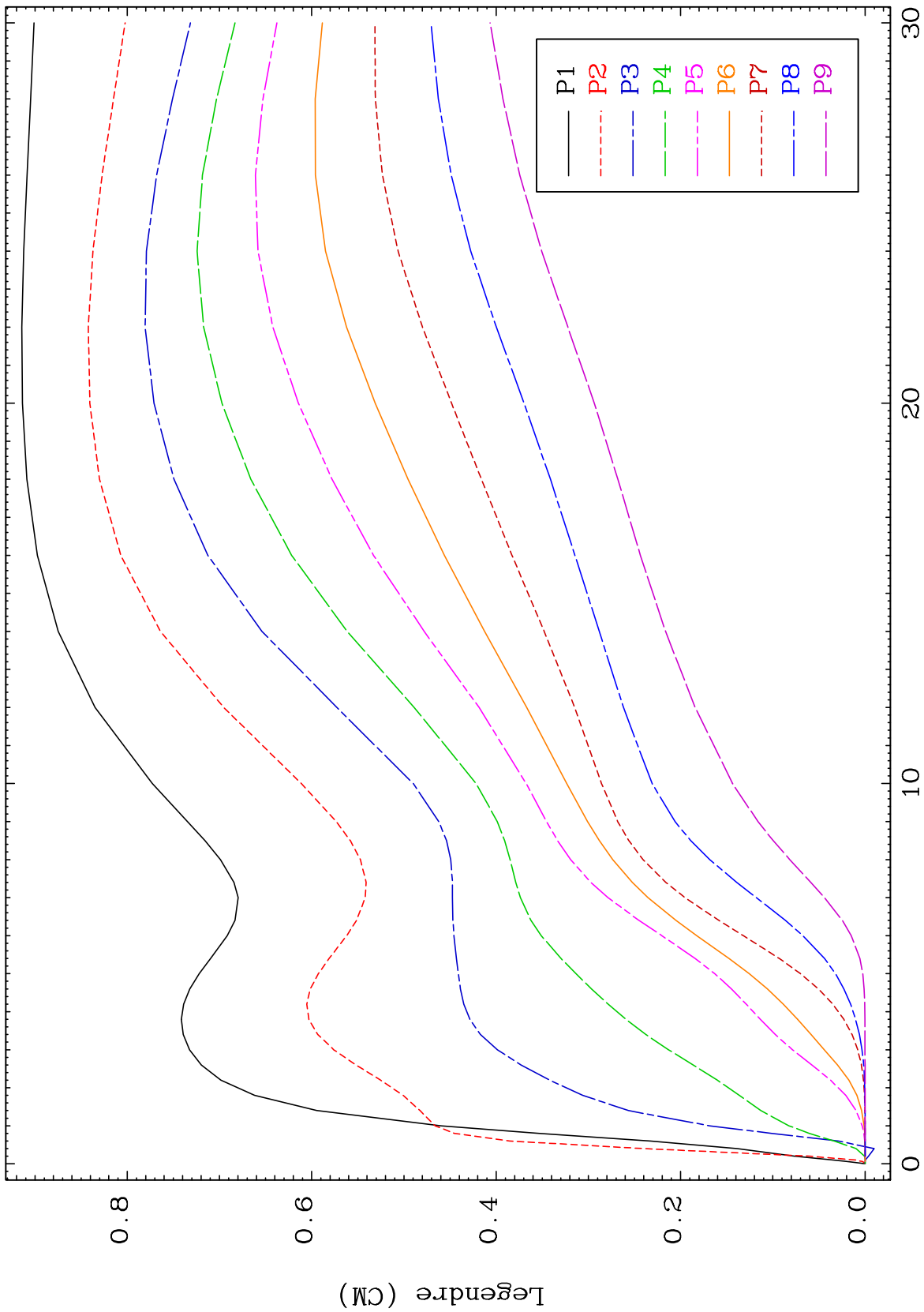
64-Gd-153



MAT 6428

64-Gd-153

Elastic Legendre Coefficients



64-Gd-153

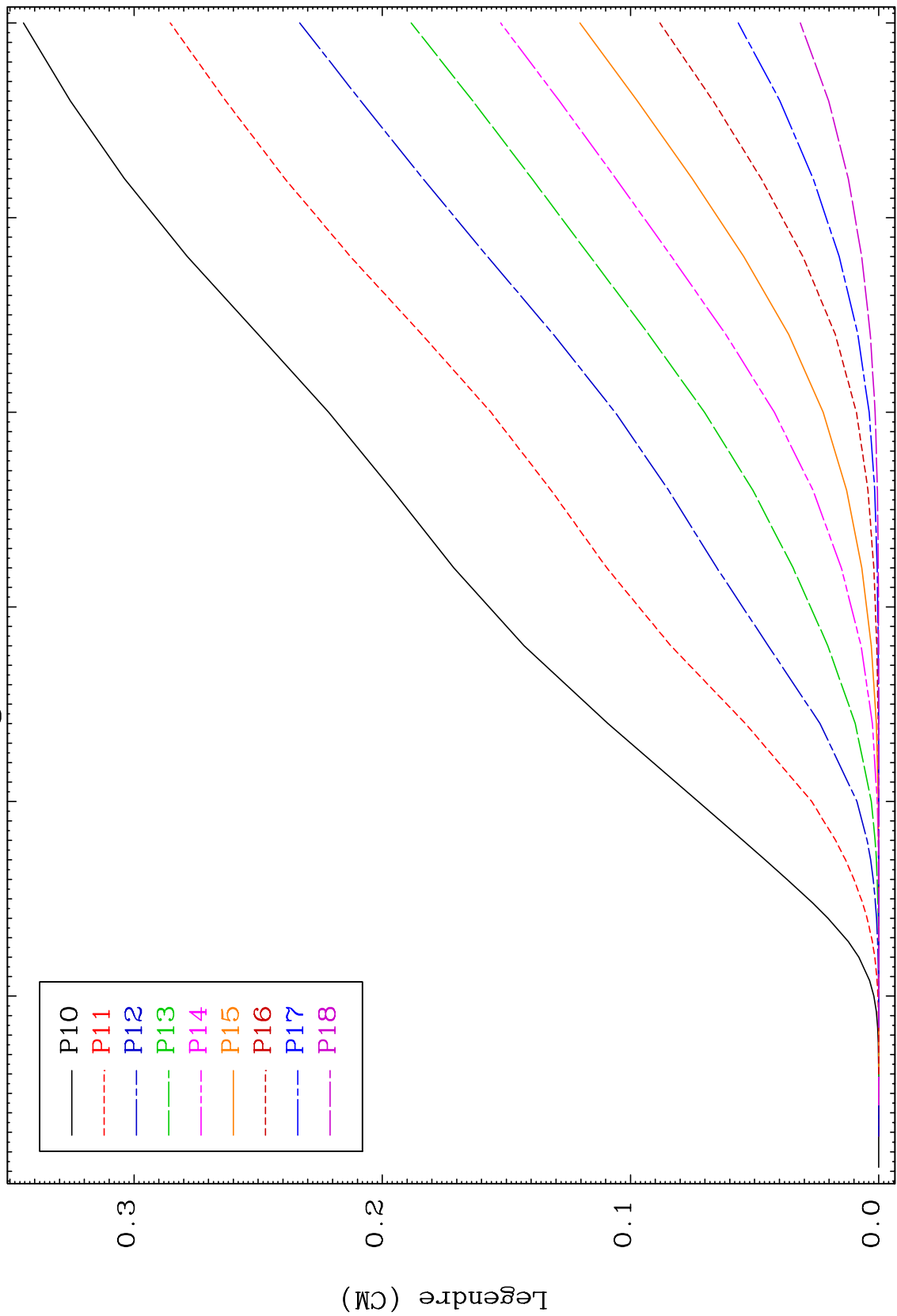
Incident Energy (MeV)

16

MAT 6428

Elastic Legendre Coefficients

64-Gd-153



17

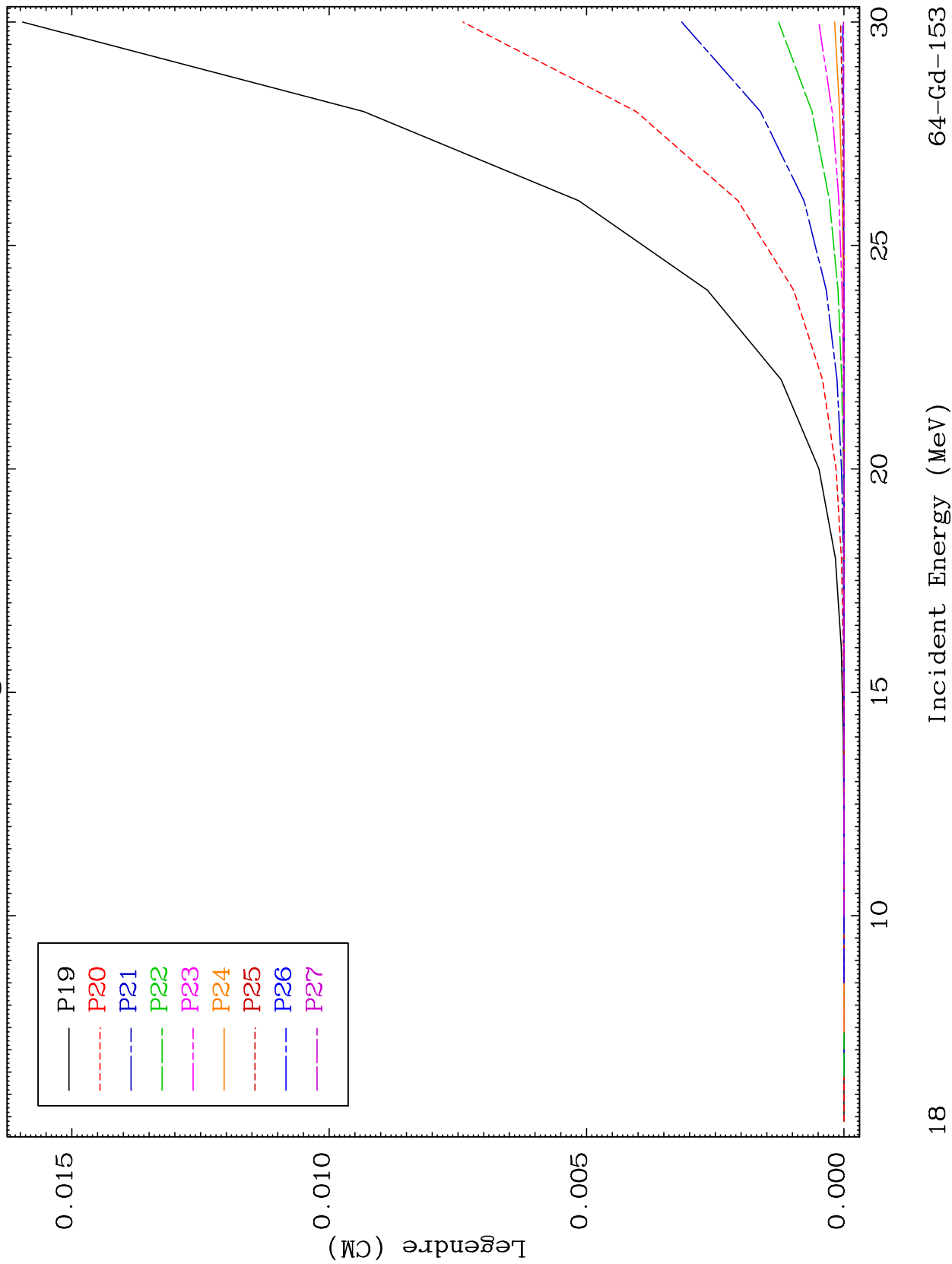
Incident Energy (MeV)

64-Gd-153

MAT 6428

Elastic Legendre Coefficients

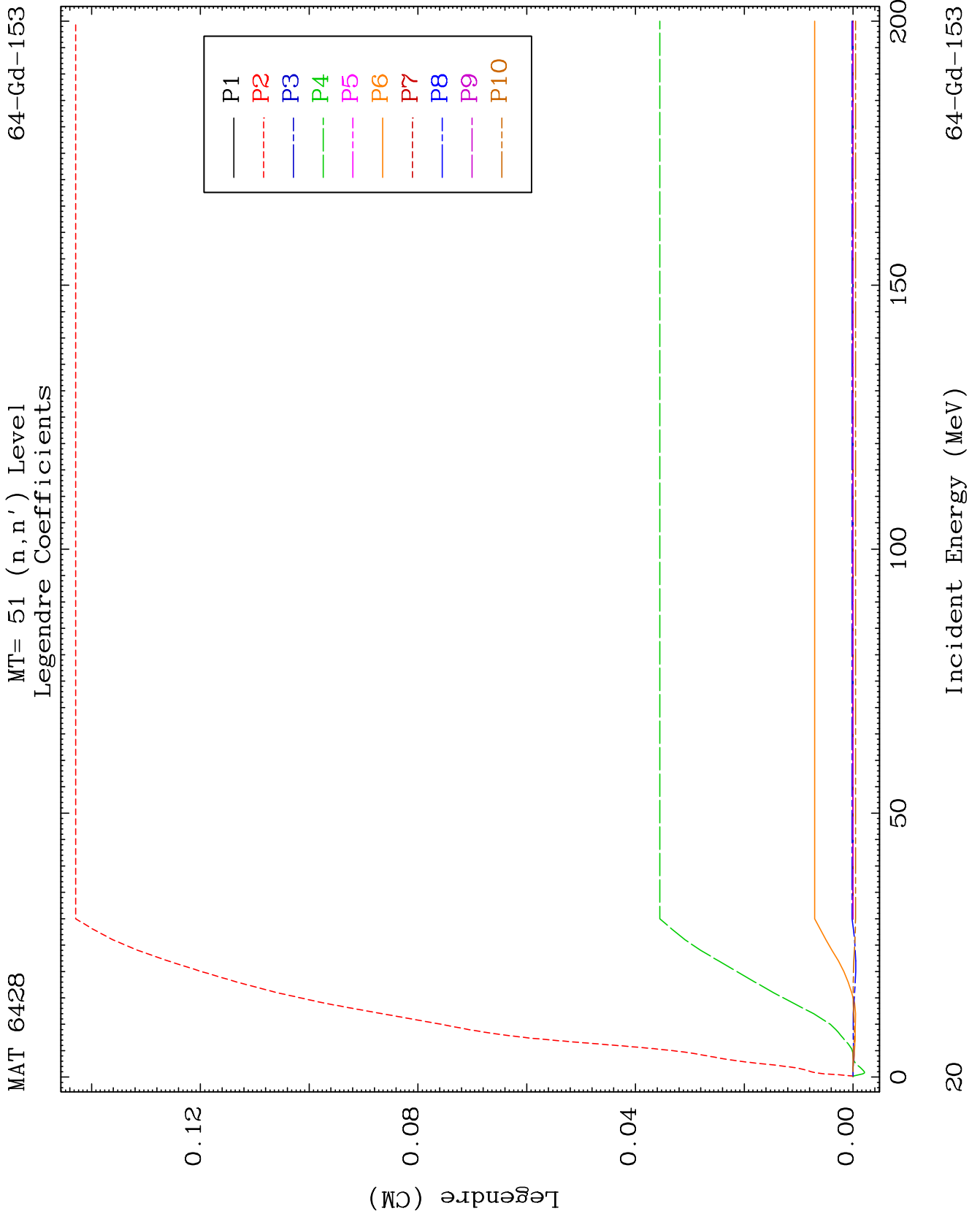
64-Gd-153



18

Incident Energy (MeV)

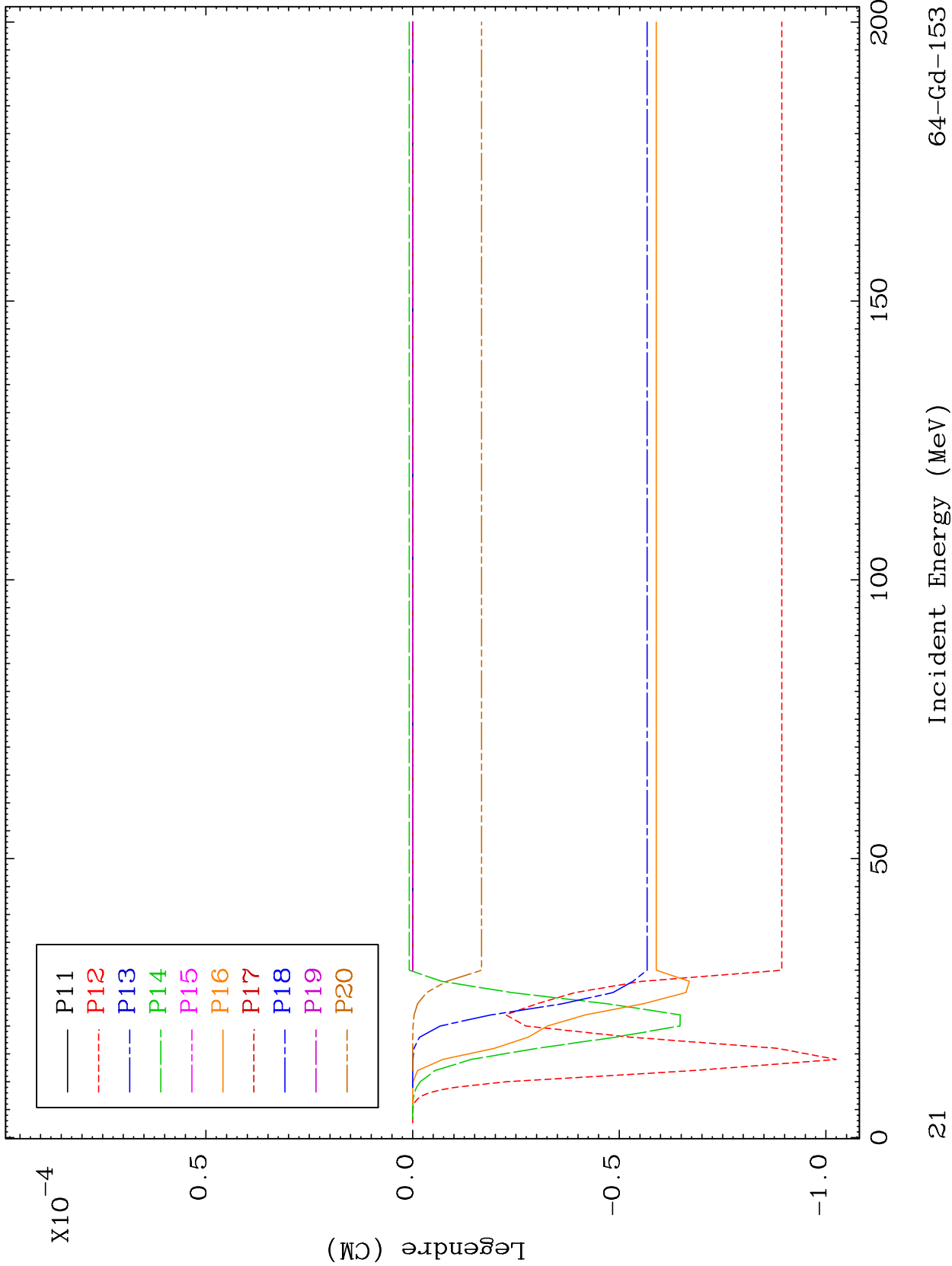
64-Gd-153



MAT 6428

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

64-Gd-153

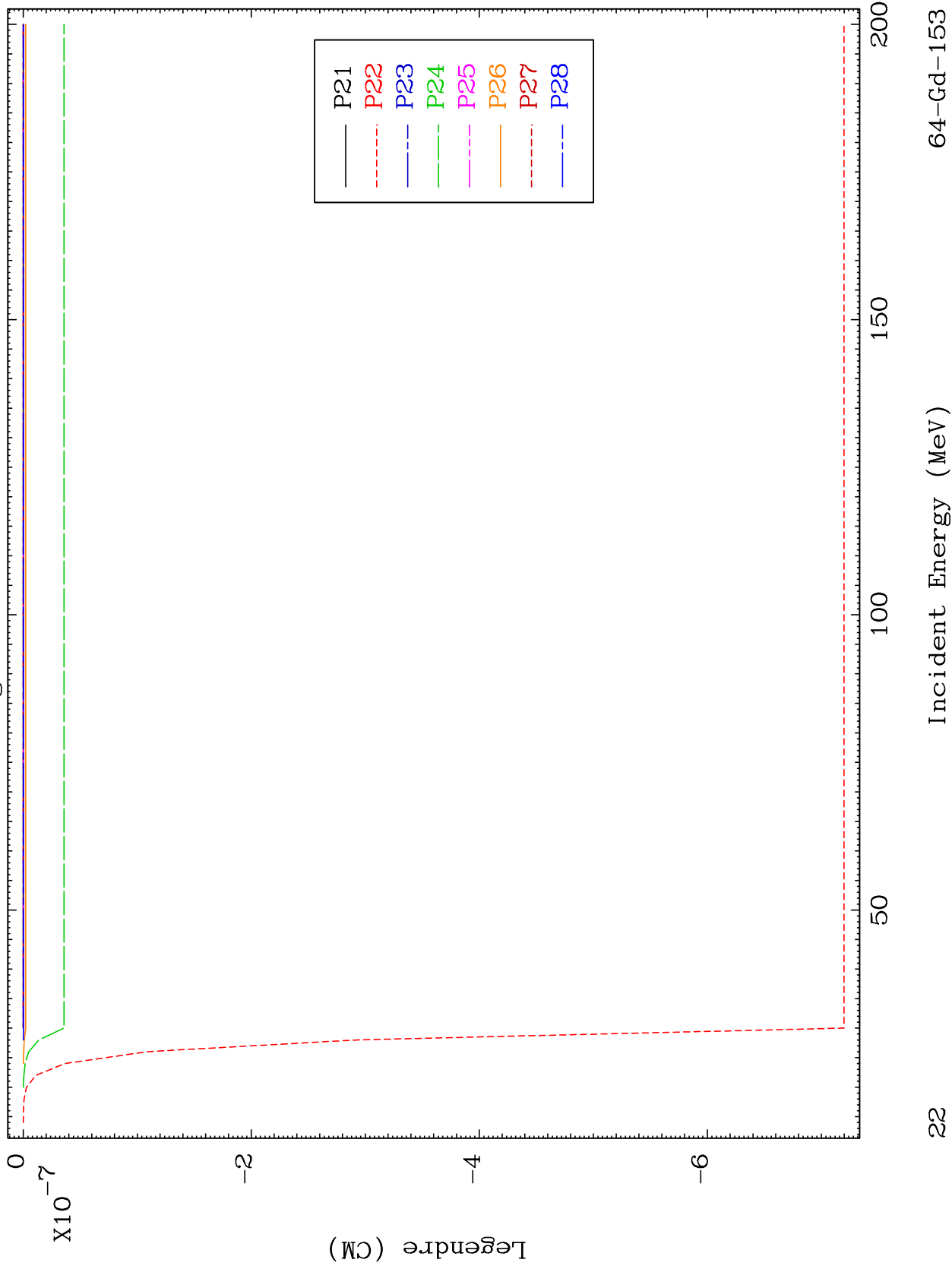


21

MAT 6428

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

64-Gd-153



22

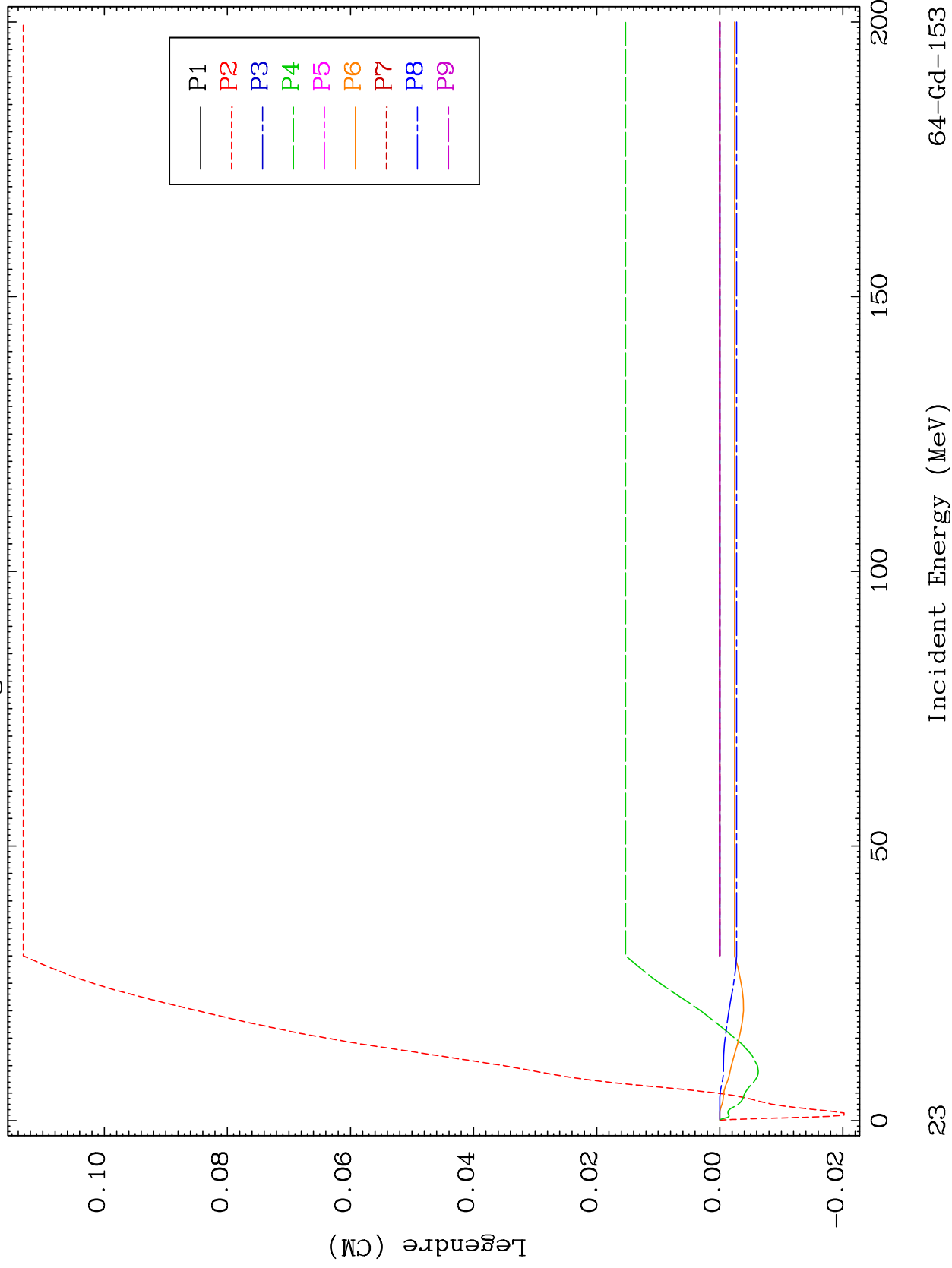
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

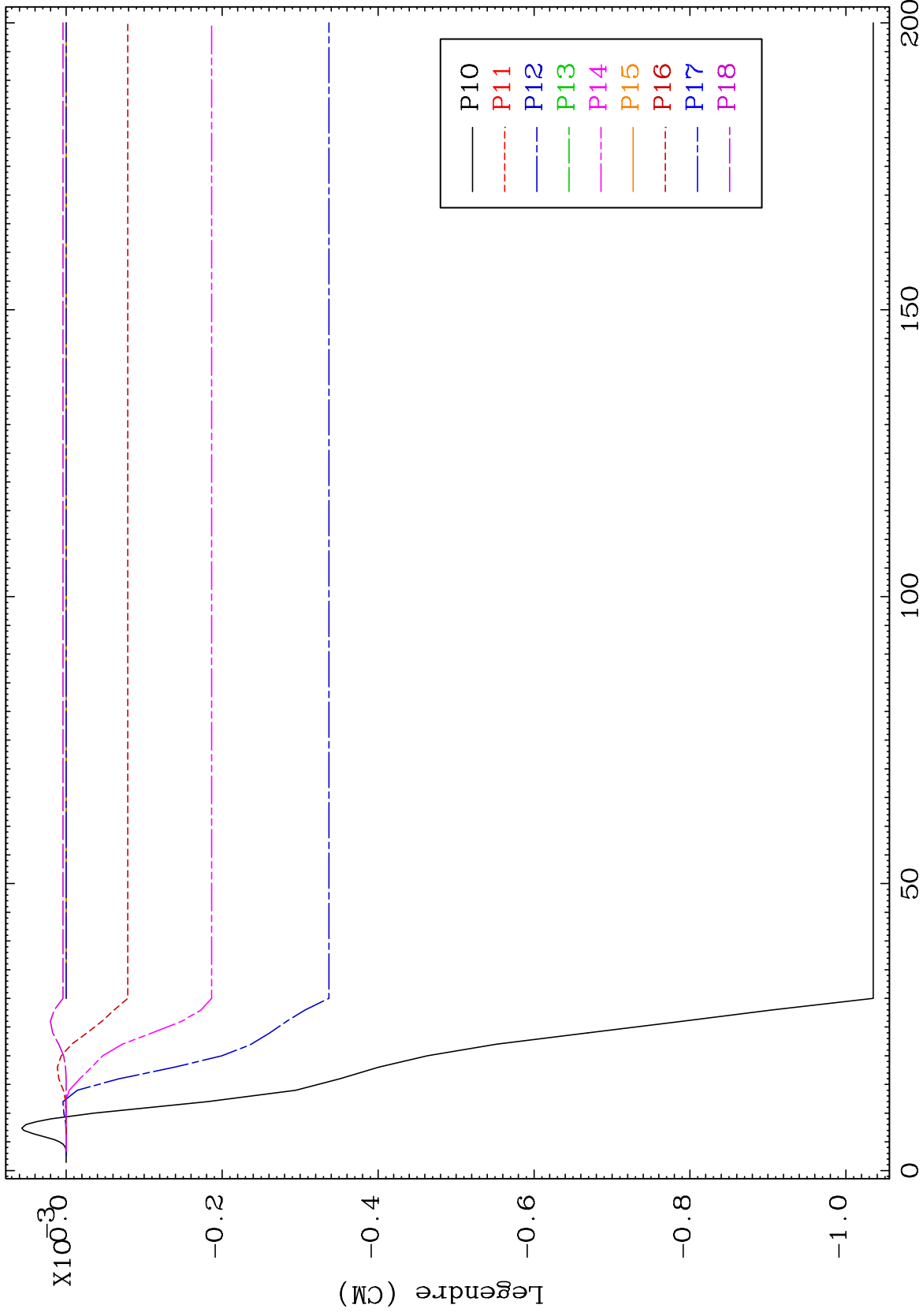
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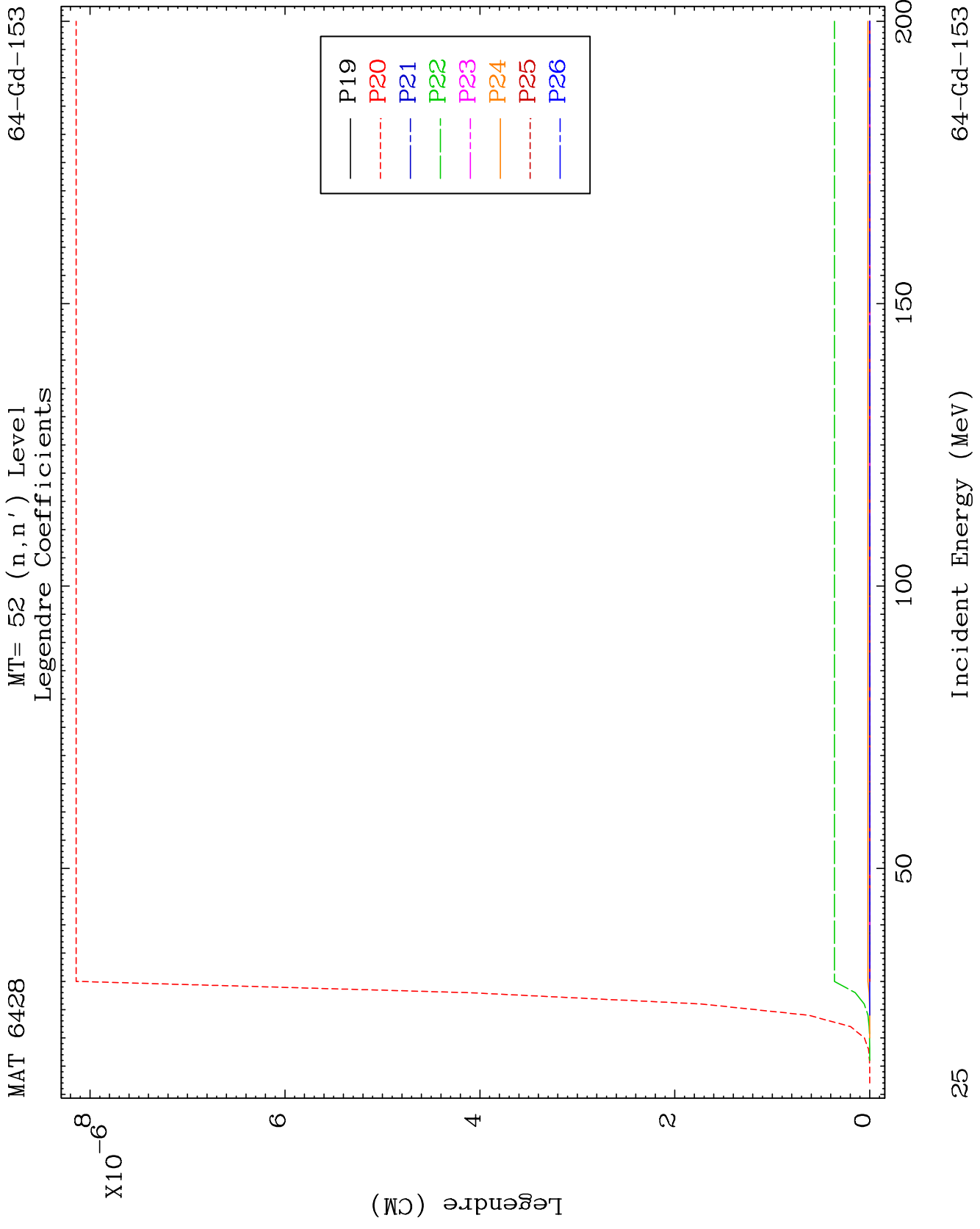


64-Gd-153

Incident Energy (MeV)

23

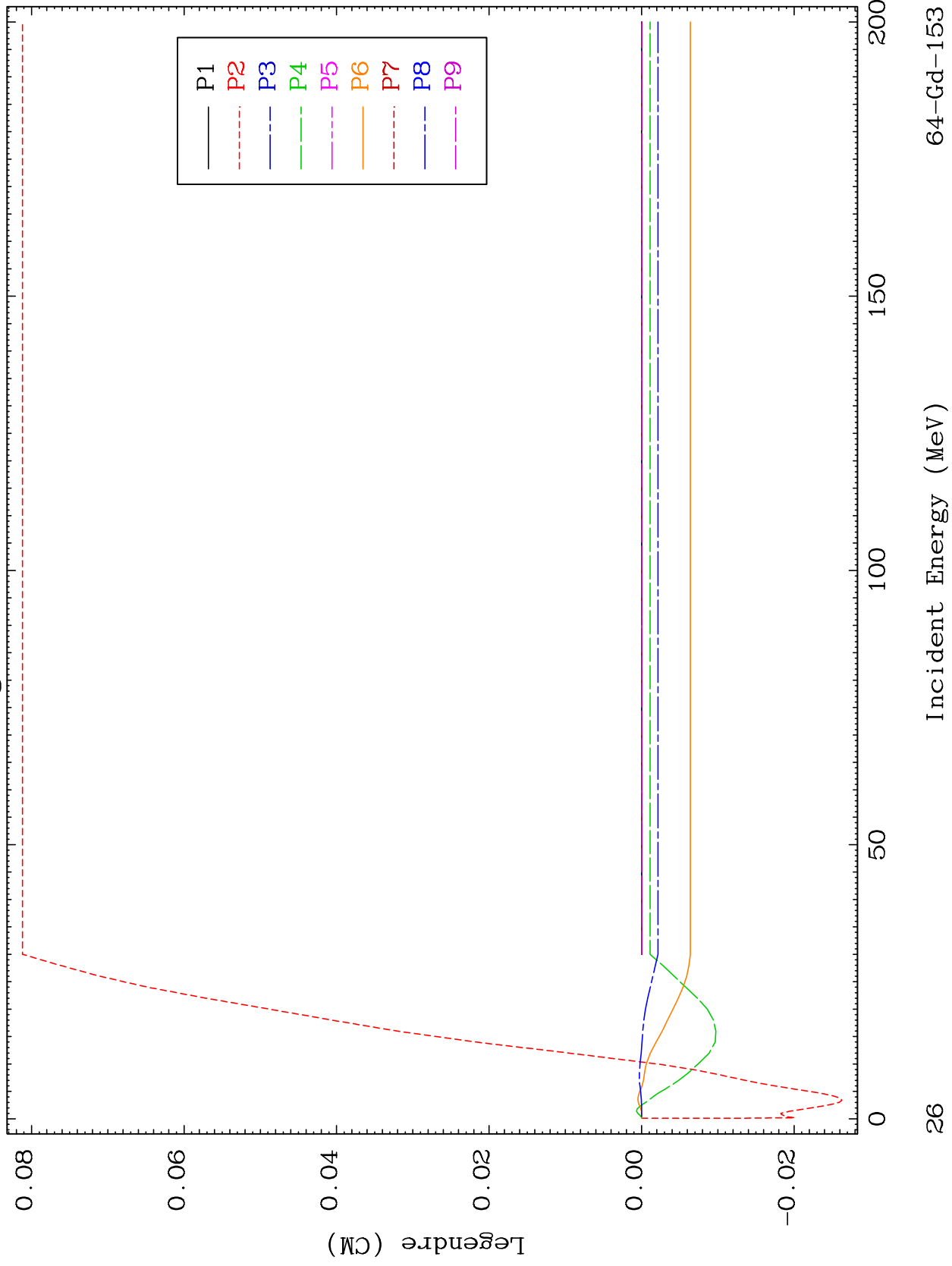




MAT 6428

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

64-Gd-153



64-Gd-153

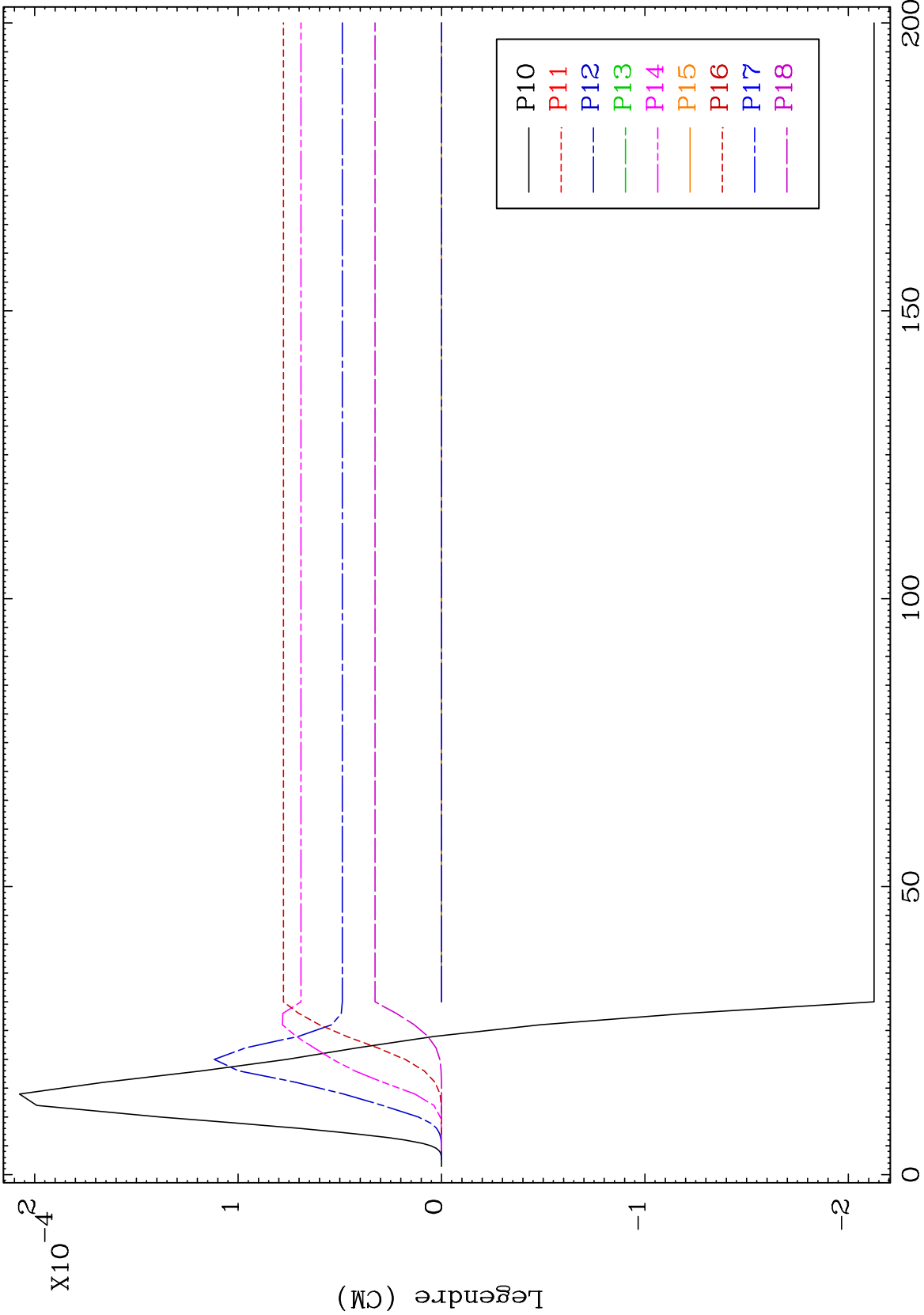
Incident Energy (MeV)

26

MAT 6428

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

64-Gd-153



27

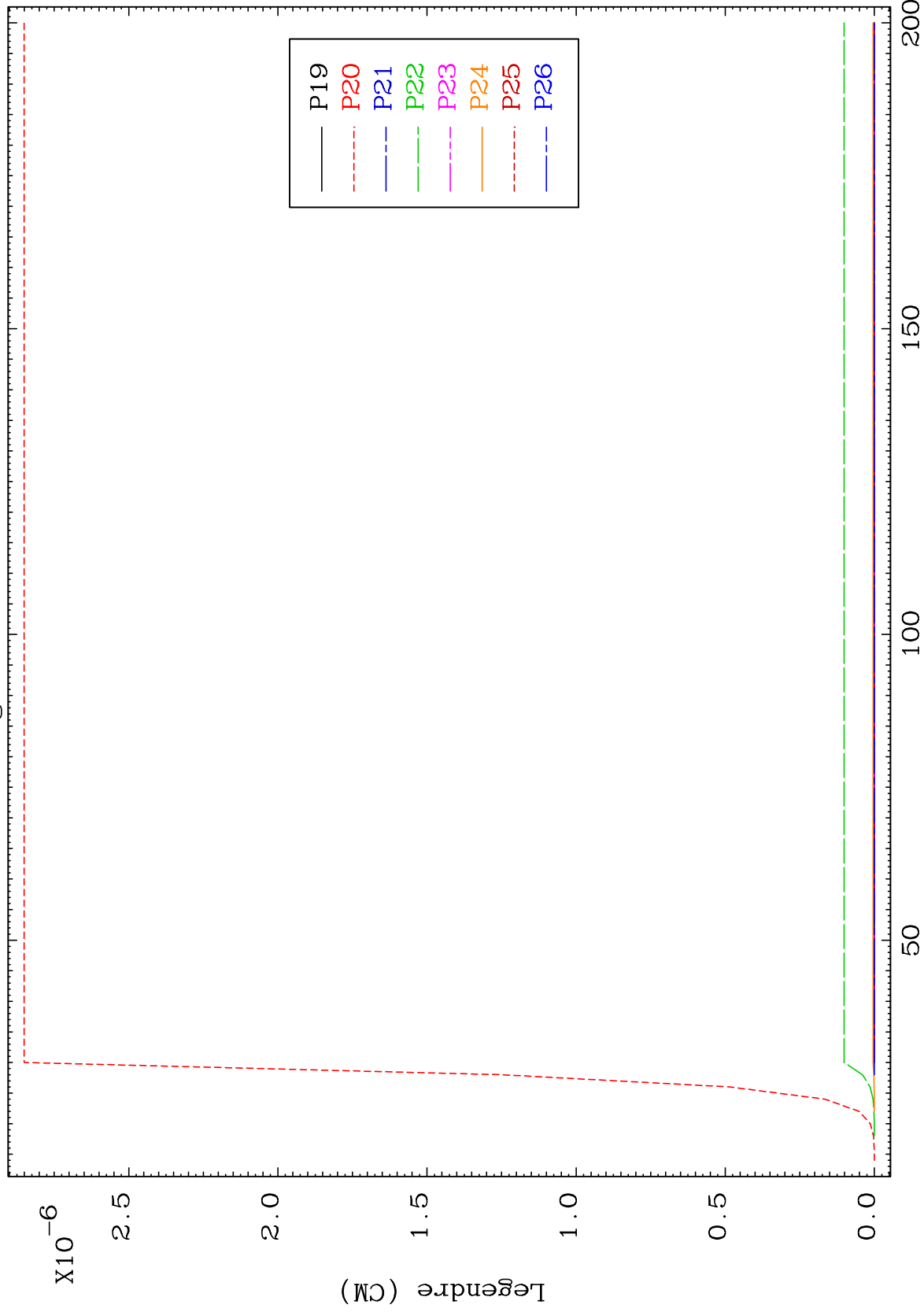
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



28

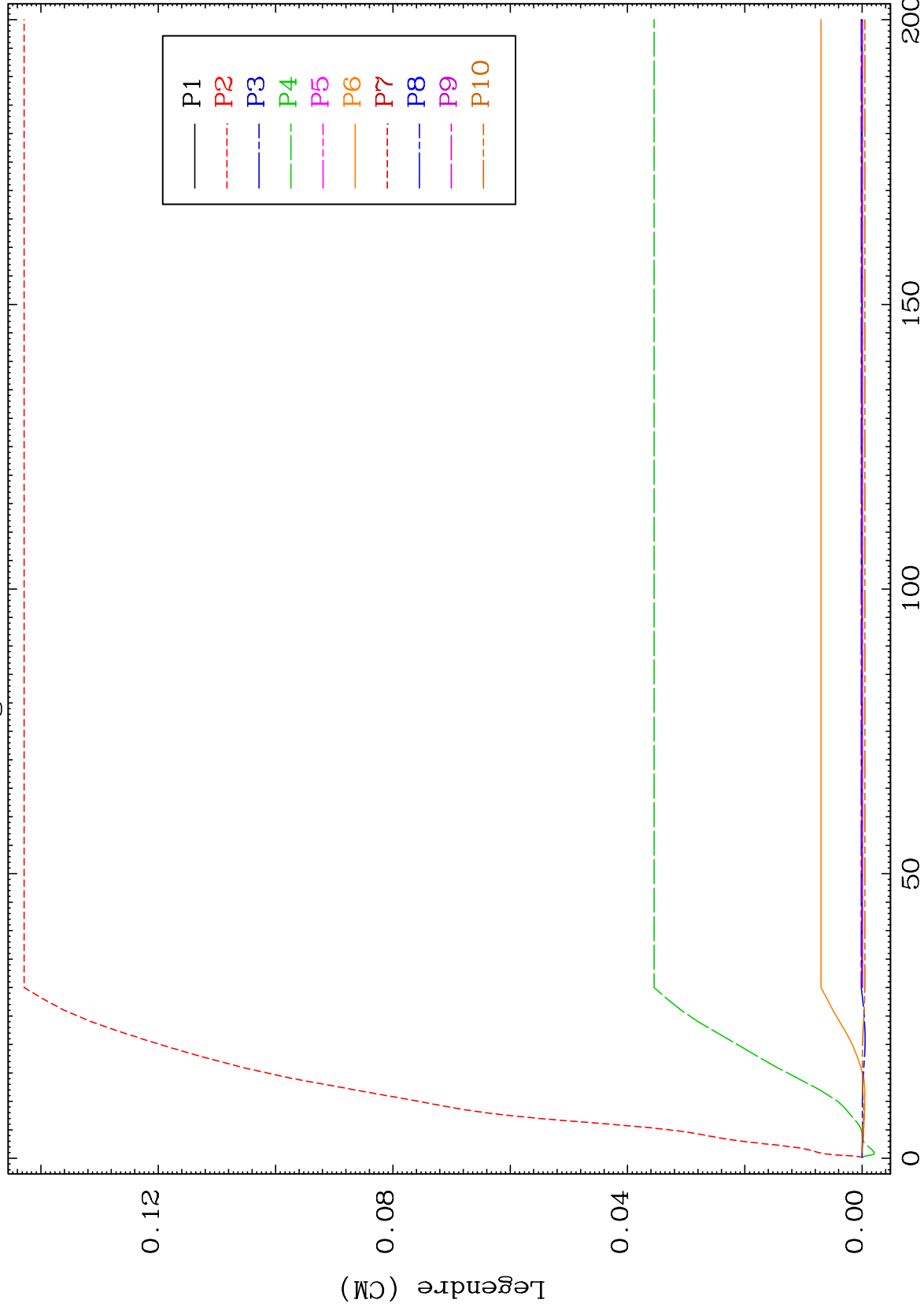
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



29

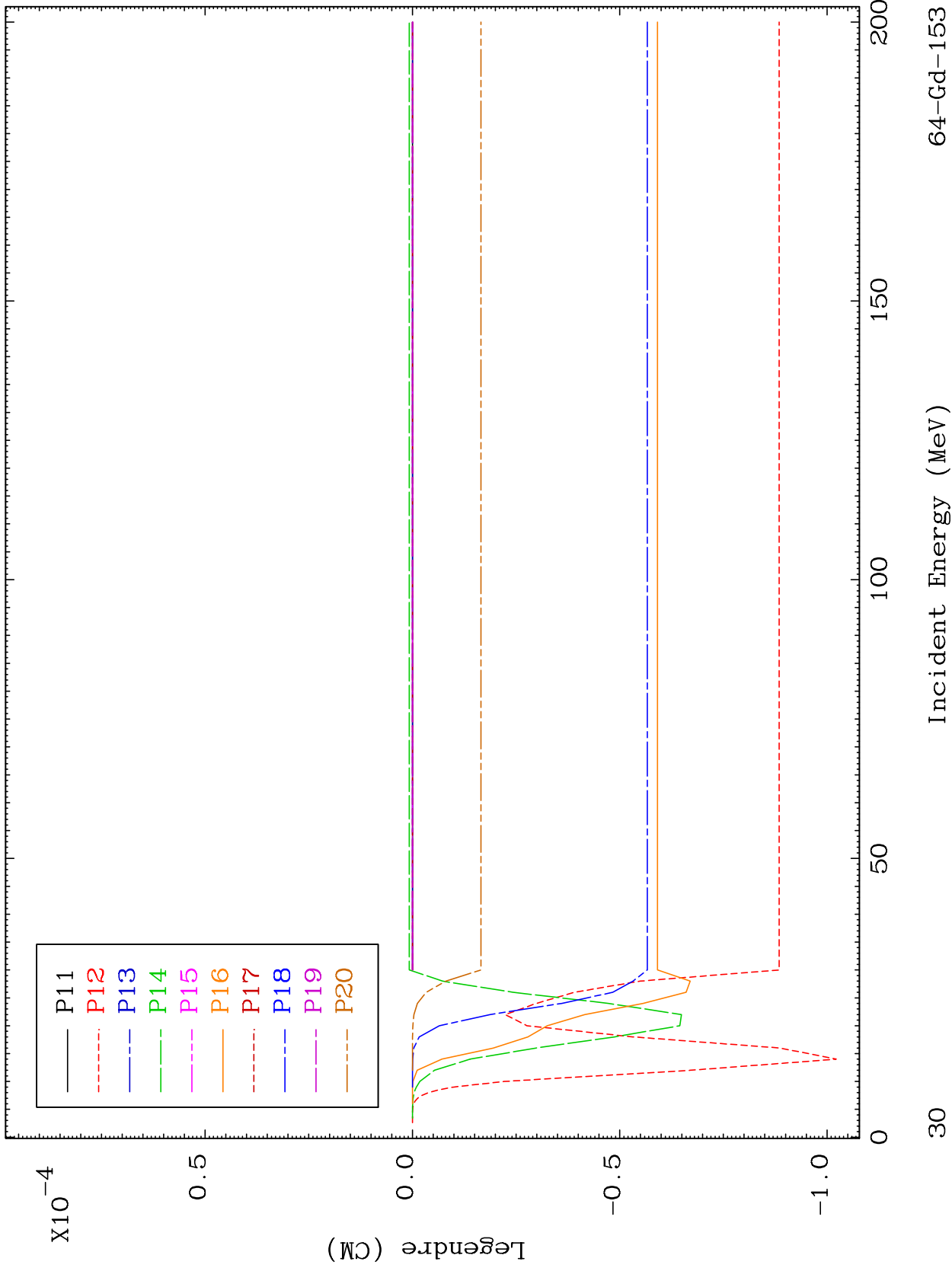
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

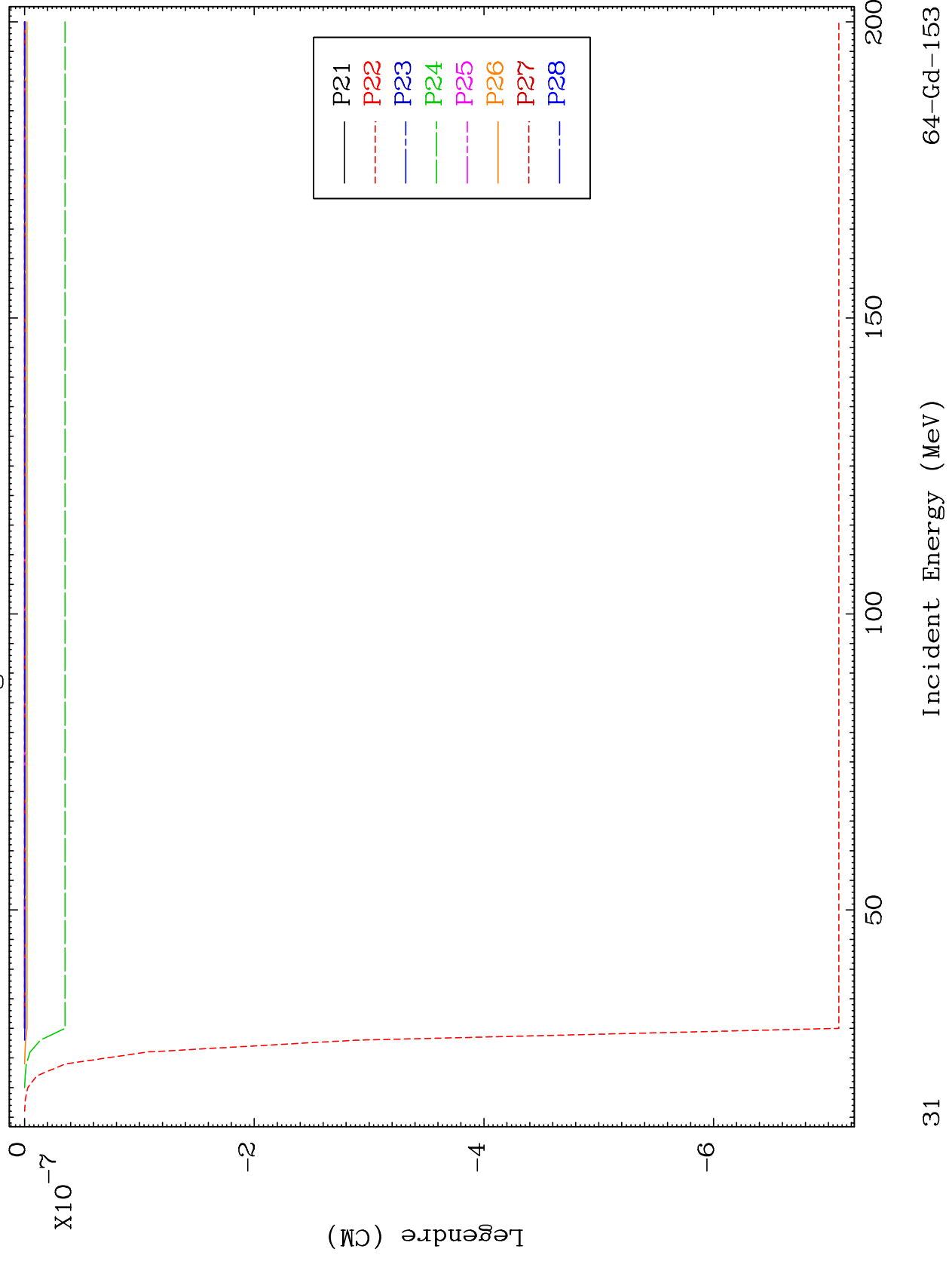
64-Gd-153



MAT 6428

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

64-Gd-153



31

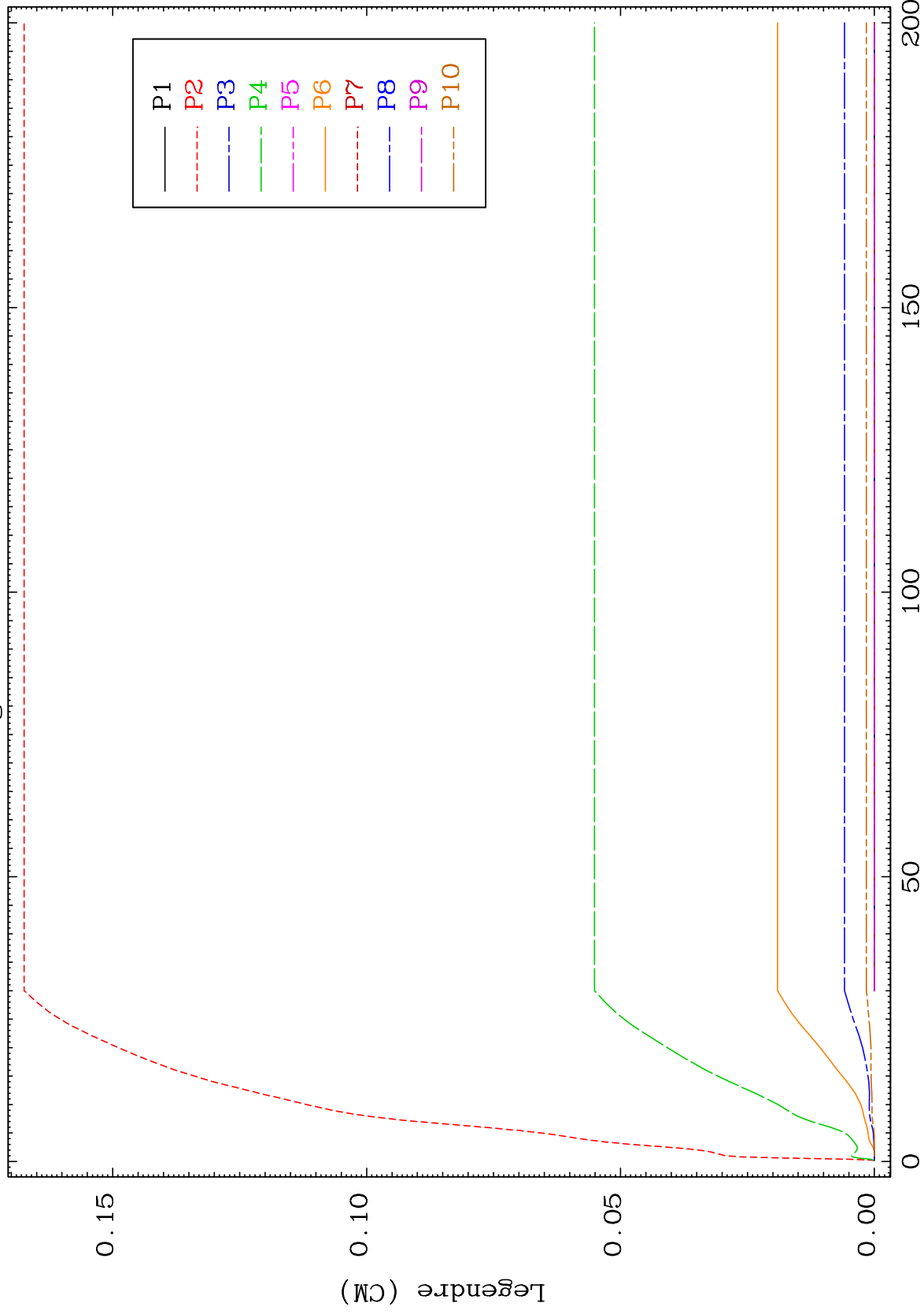
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

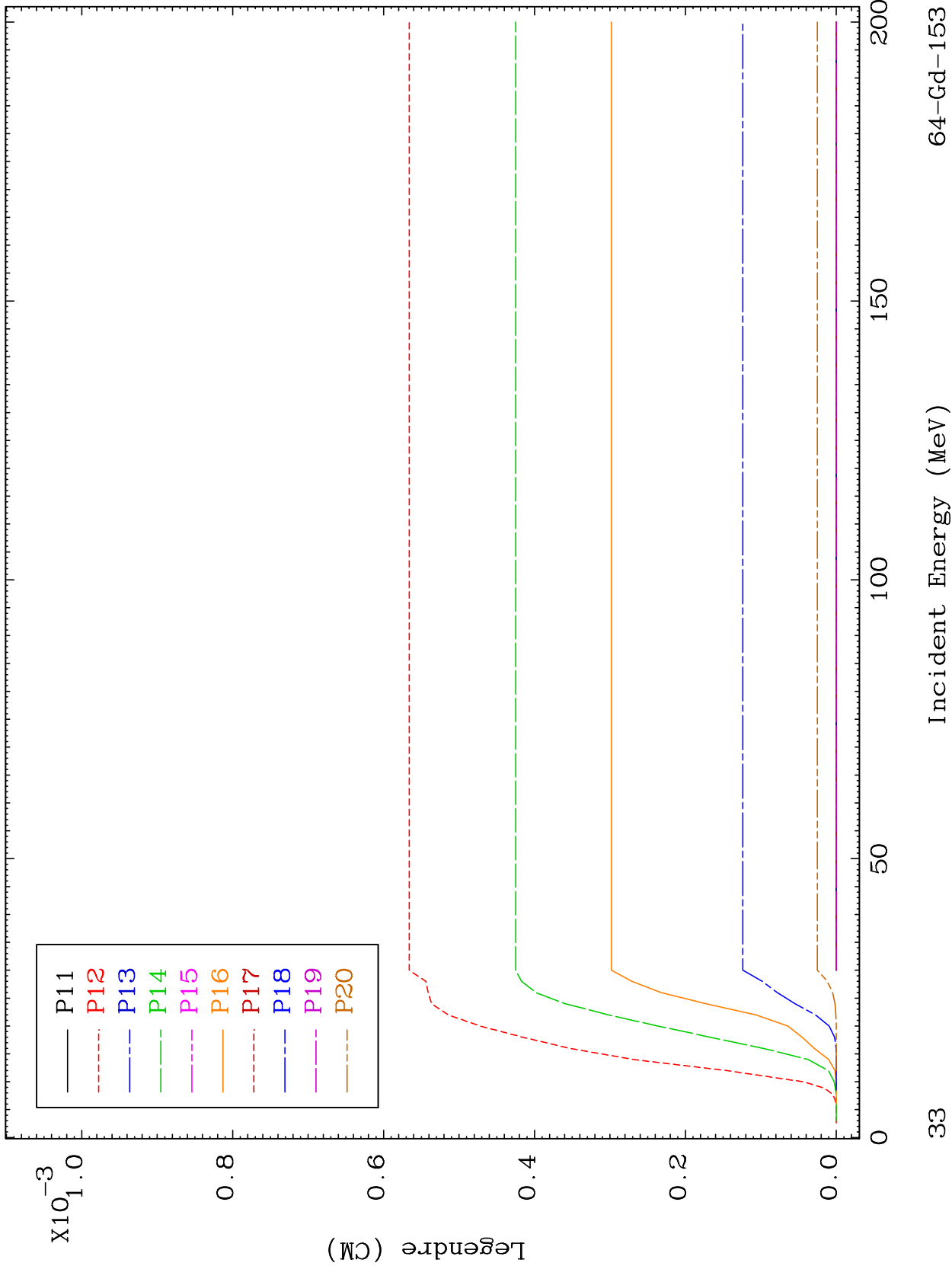
64-Gd-153



64-Gd-153

Incident Energy (MeV)

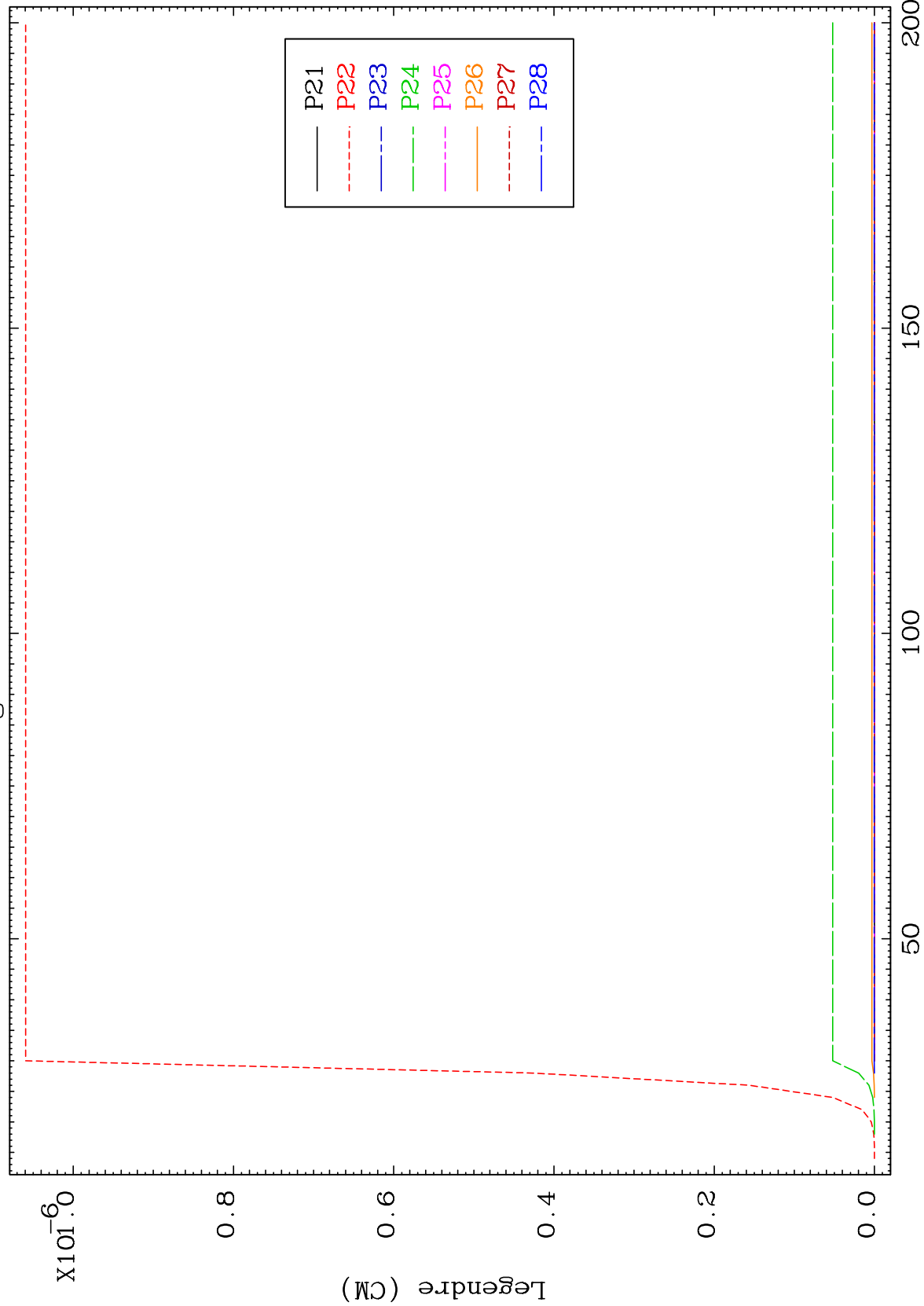
32



MAT 6428

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

64-Gd-153



34

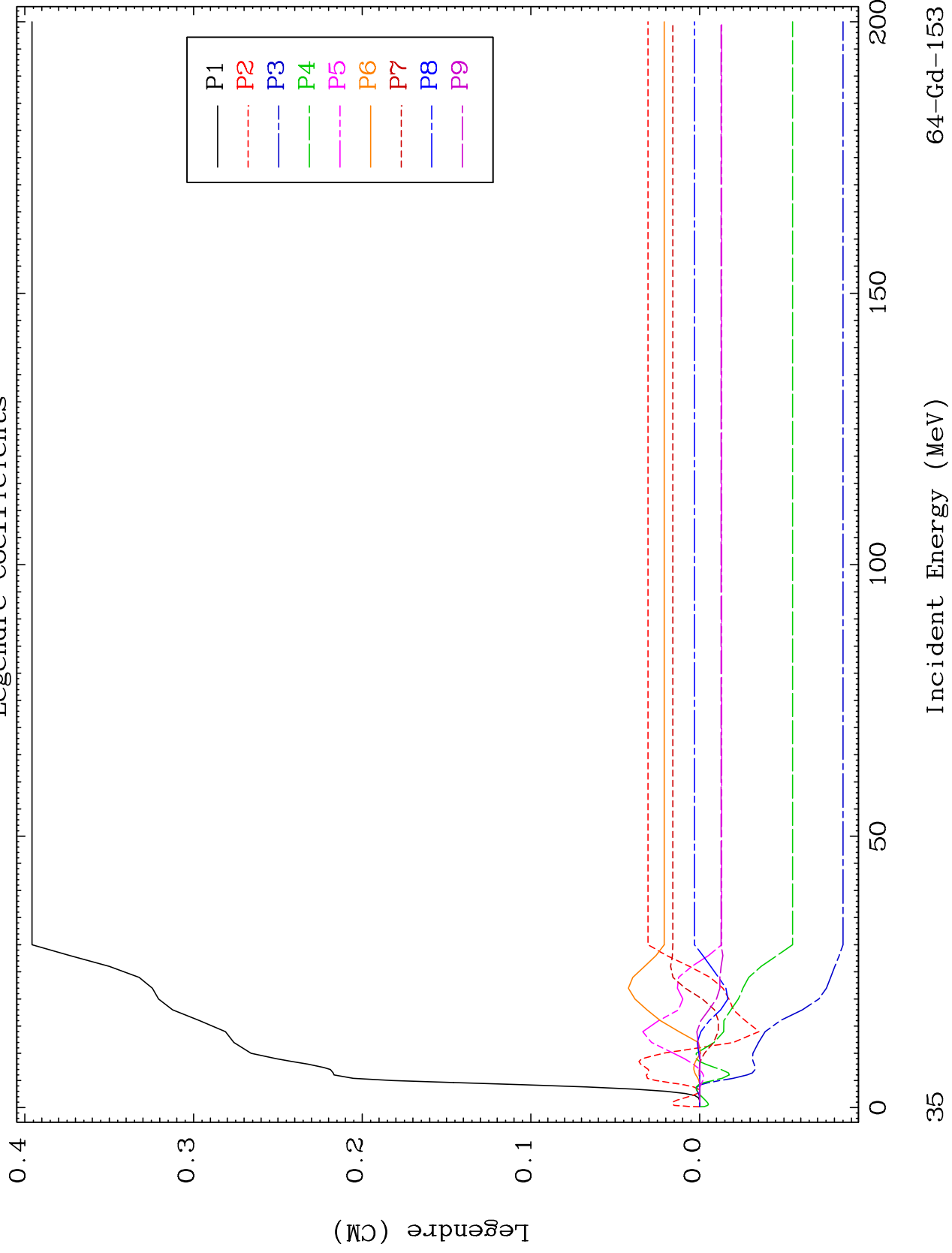
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

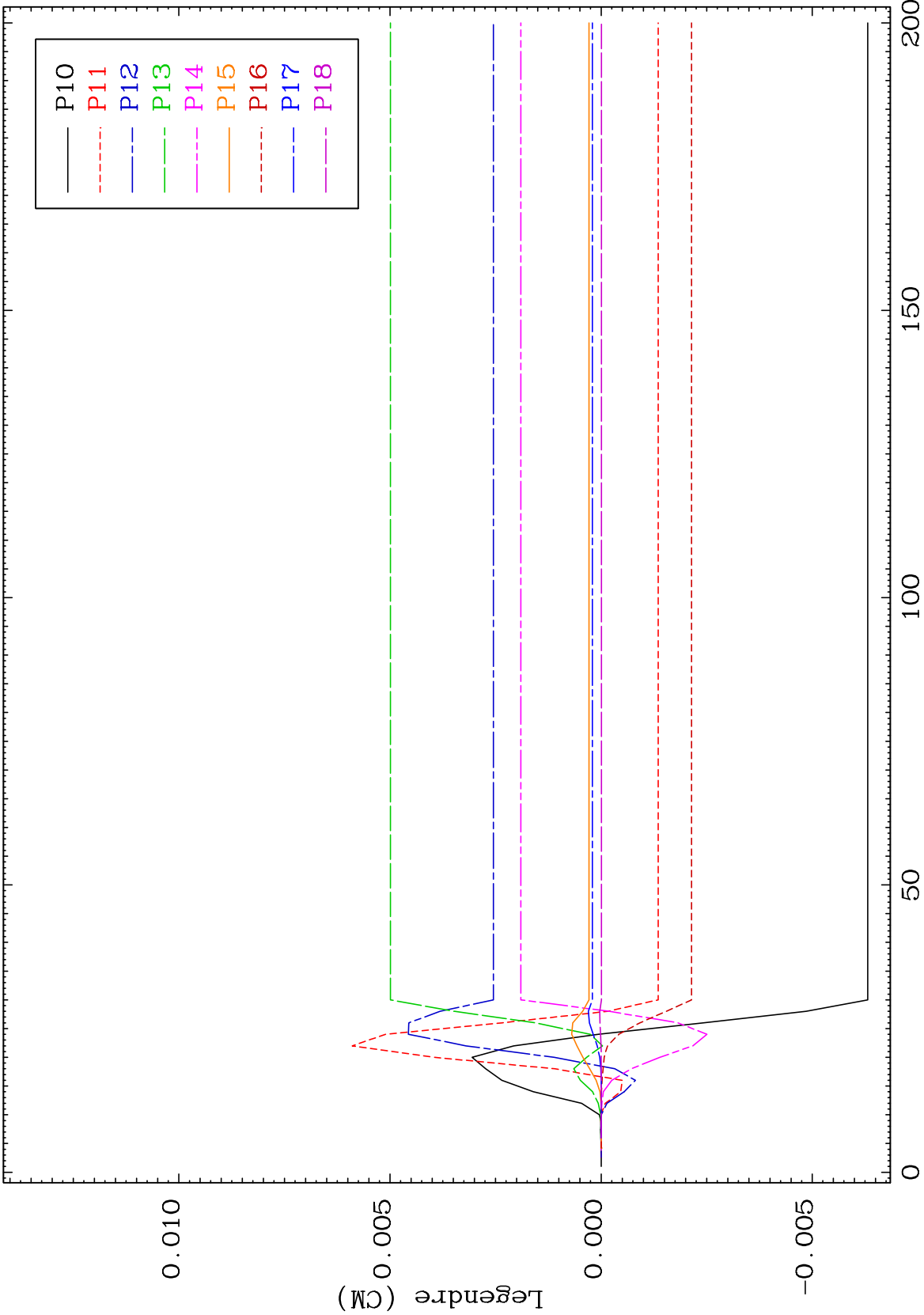
Incident Energy (MeV)

35

MAT 6428

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

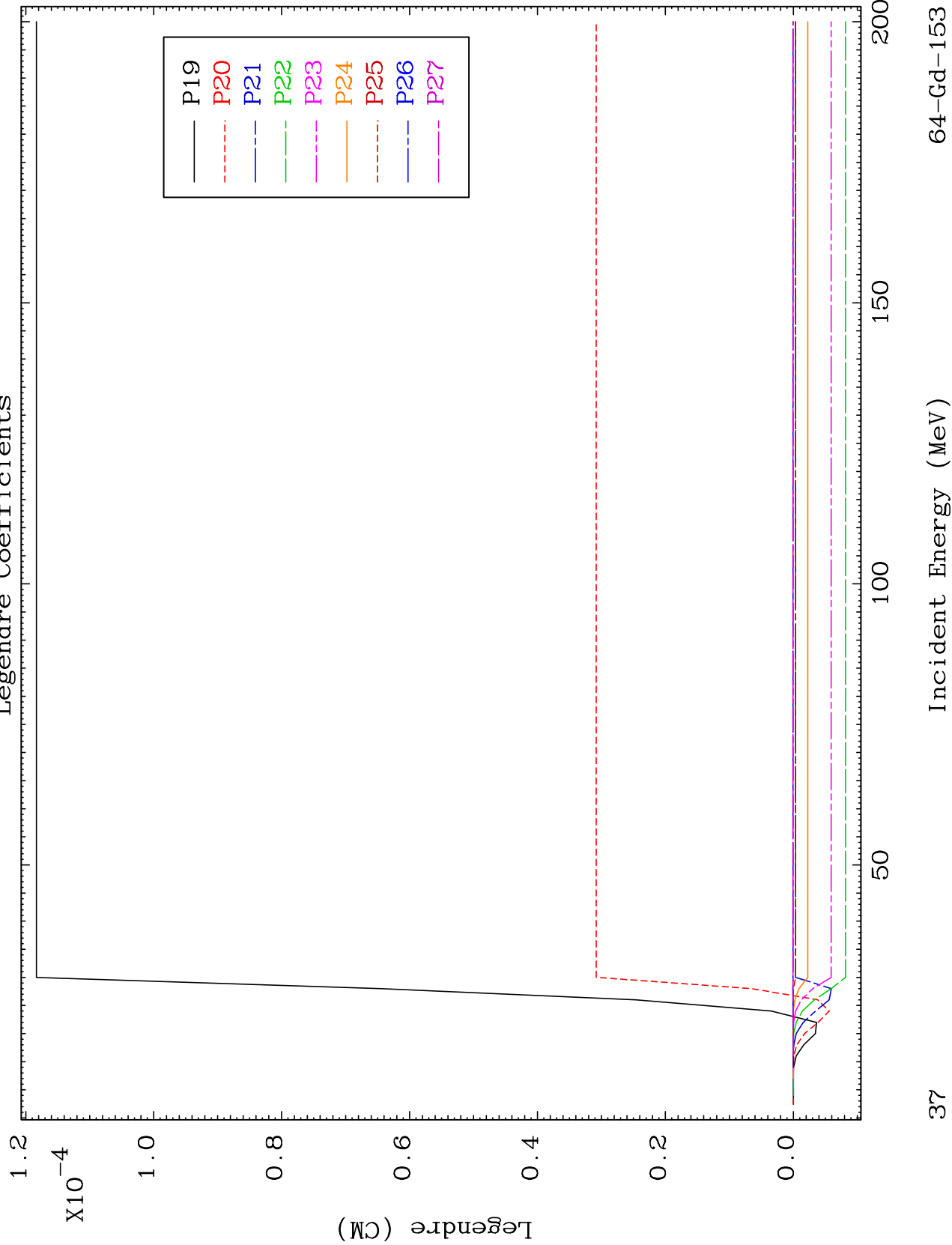
64-Gd-153



36

Incident Energy (MeV)

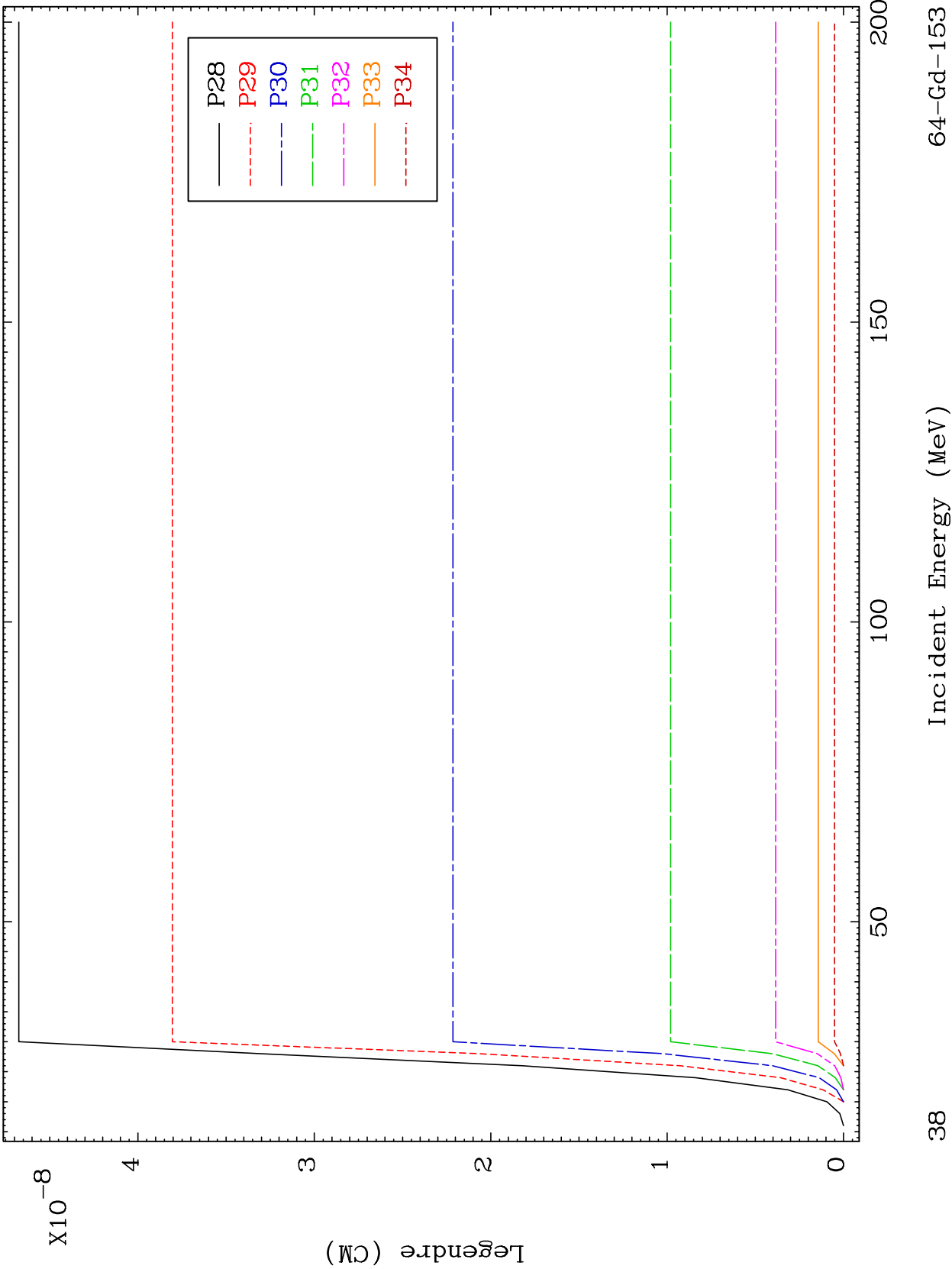
64-Gd-153



MAT 6428

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

64-Gd-153



38

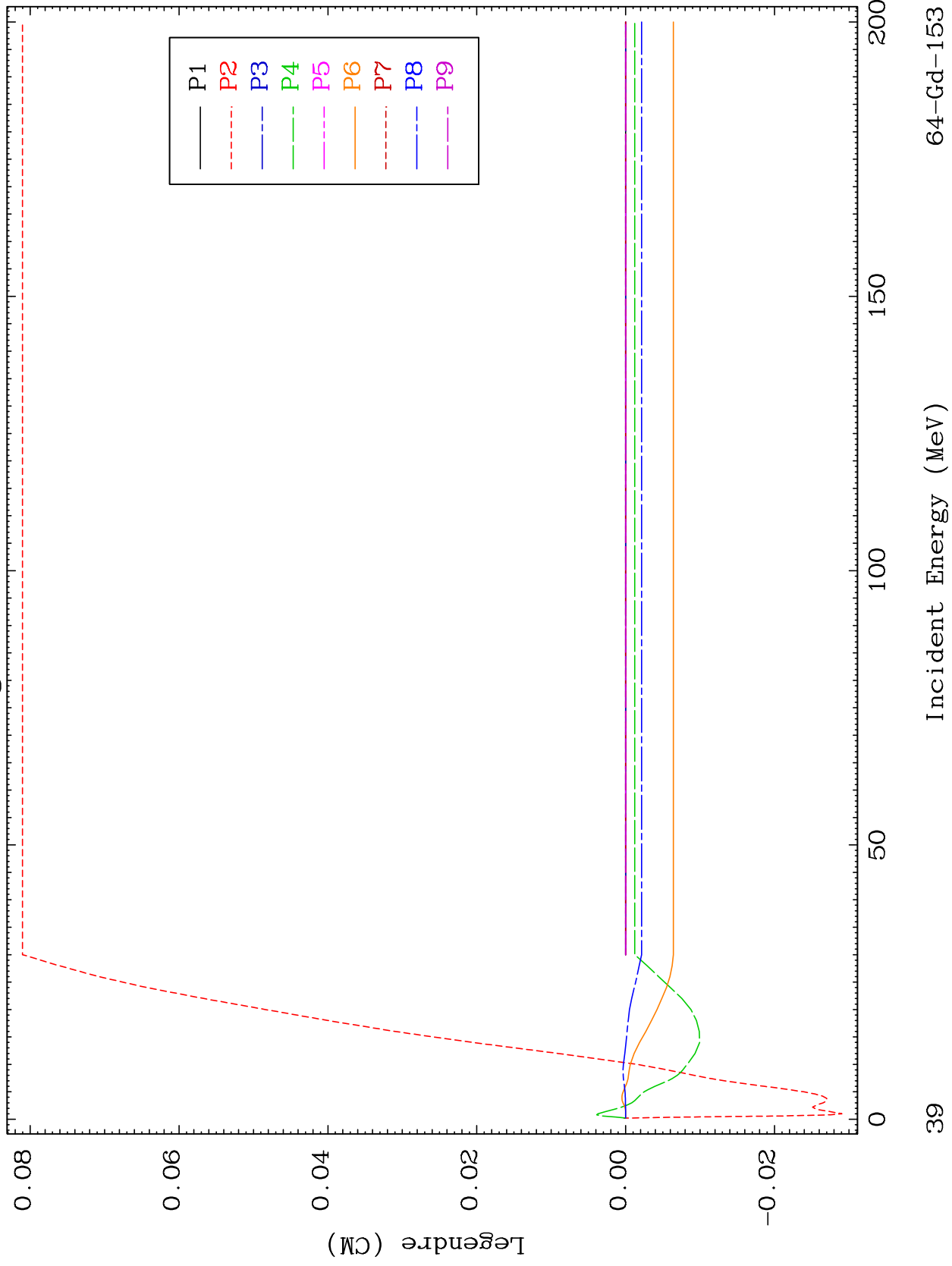
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

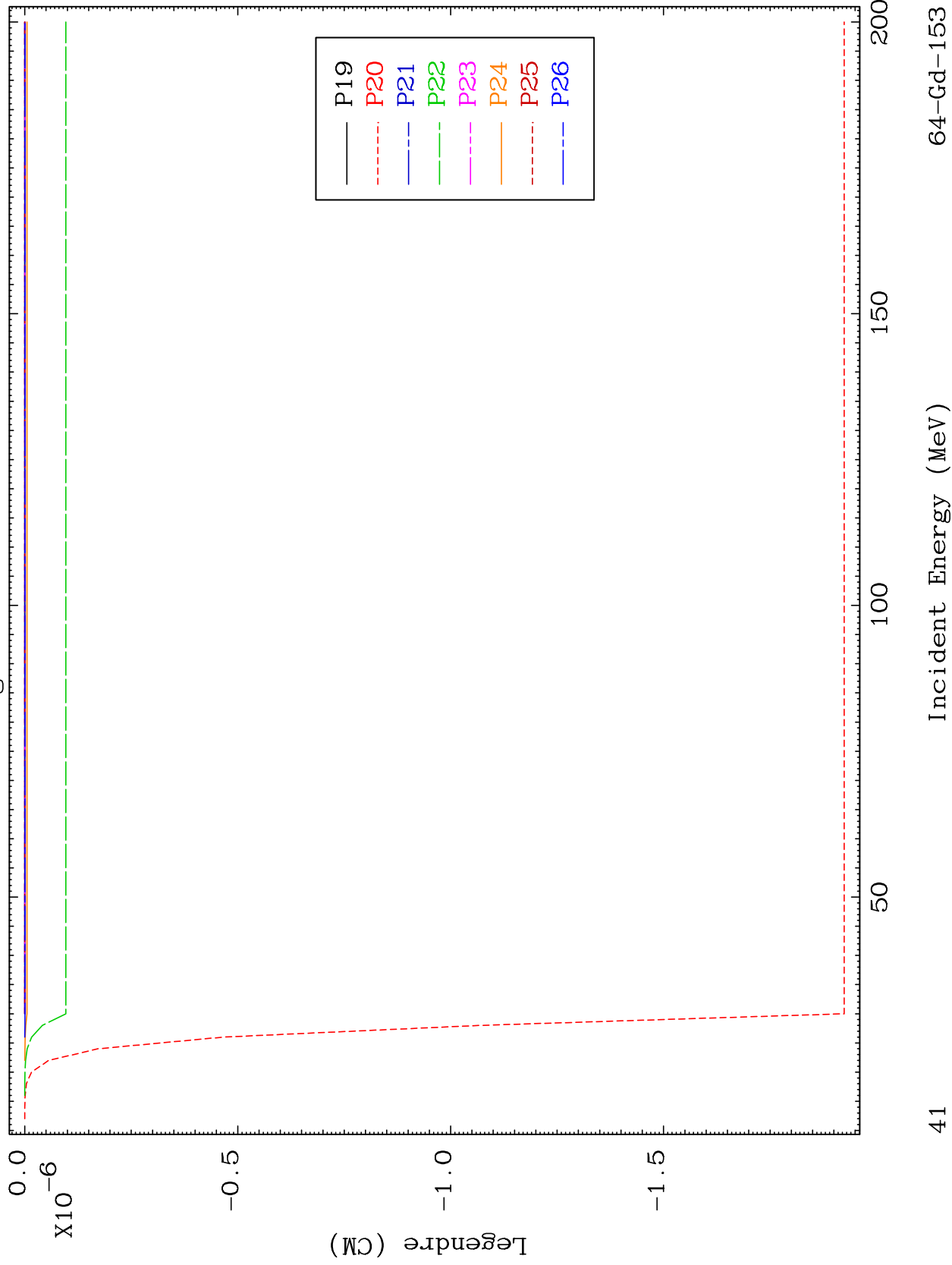
Incident Energy (MeV)

39

MAT 6428

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

64-Gd-153



41

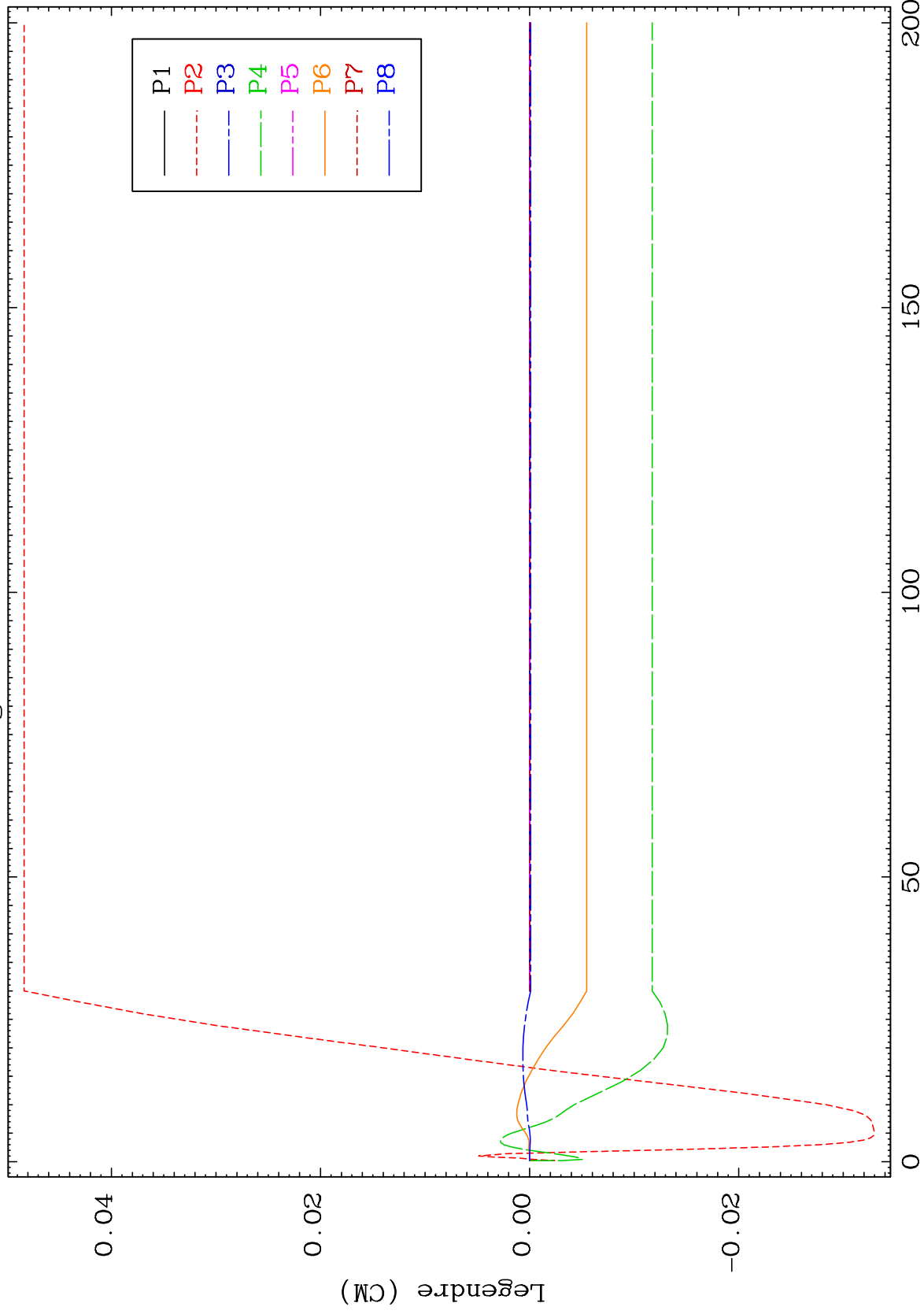
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



42

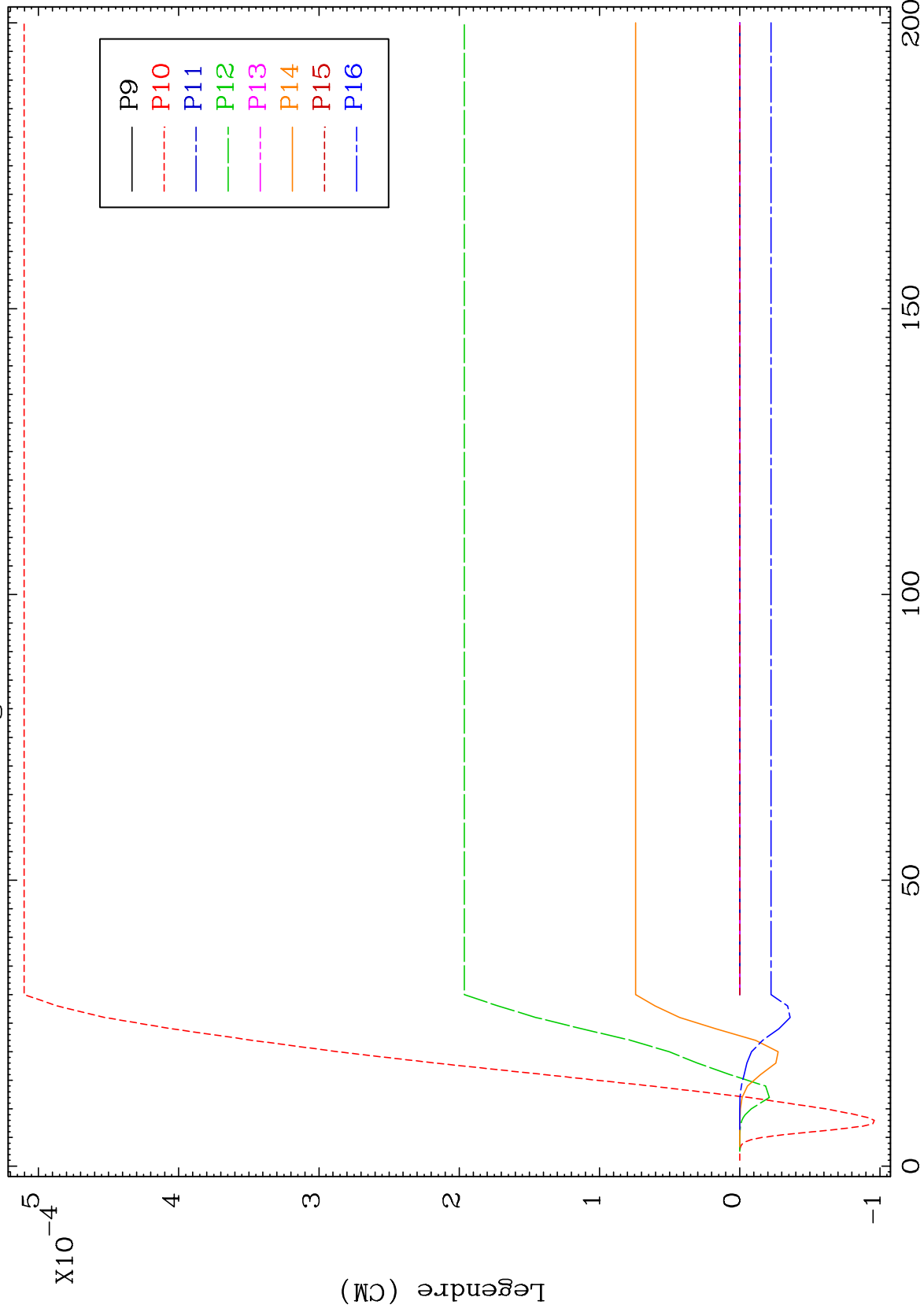
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



43

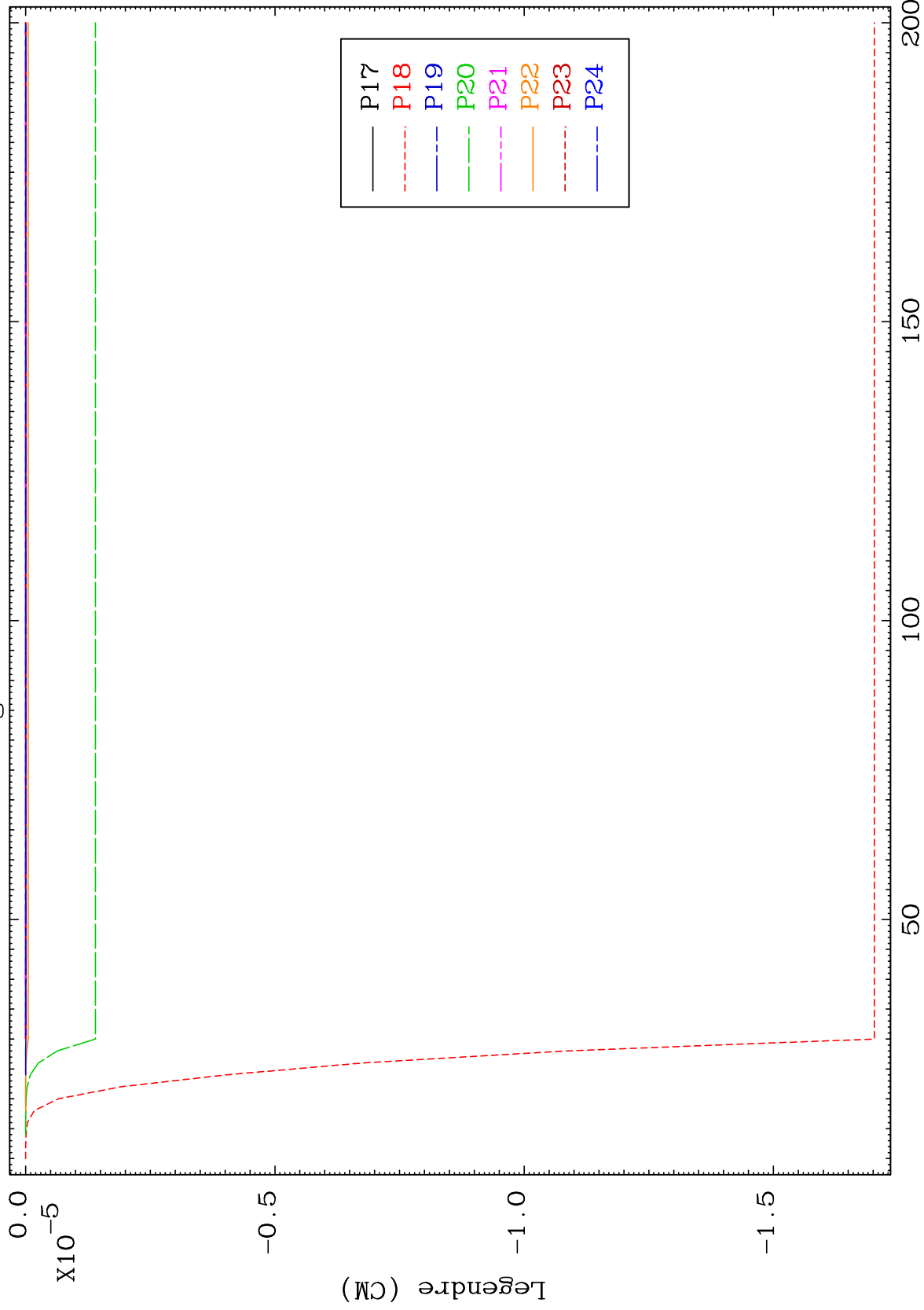
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



44

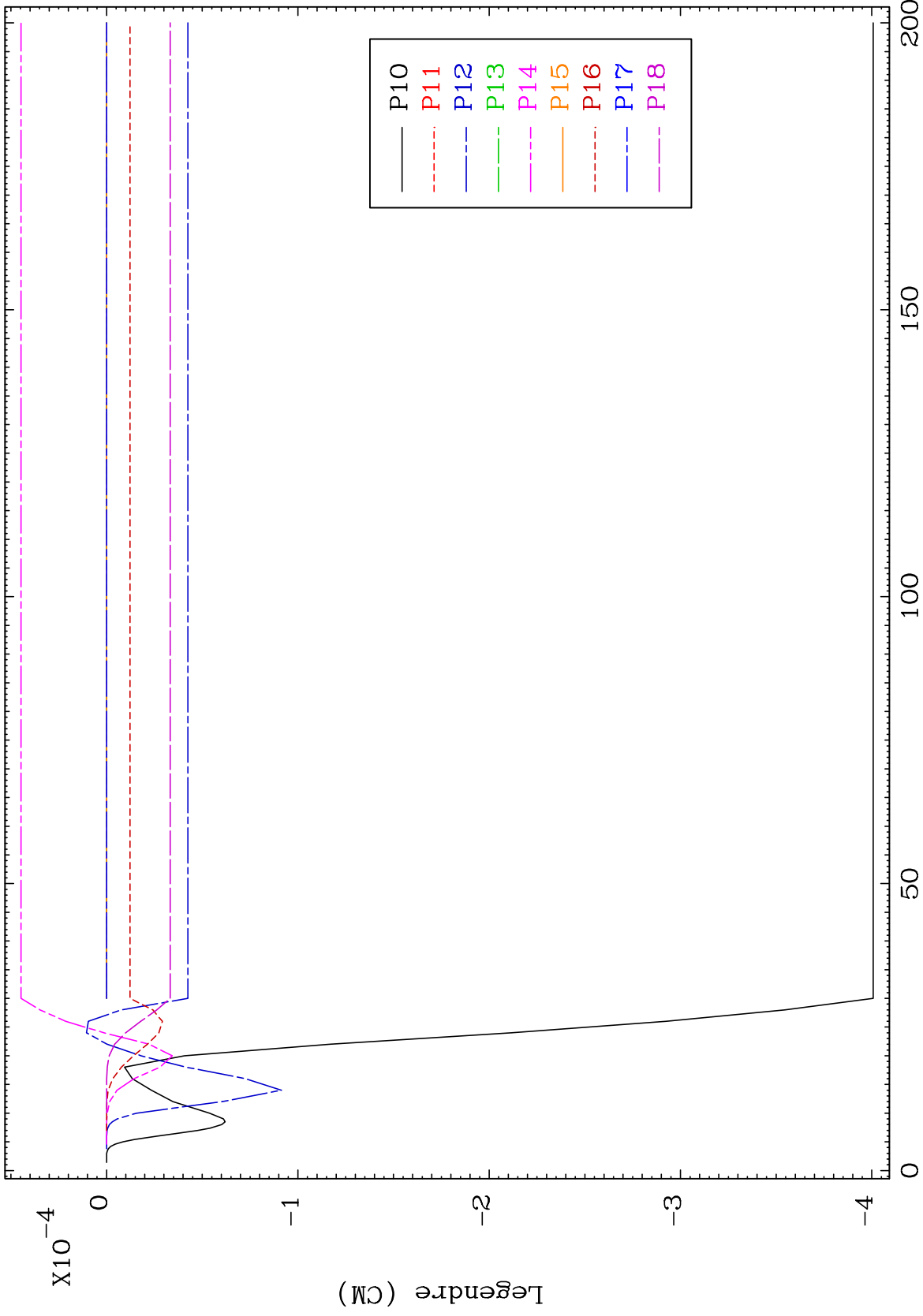
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



46

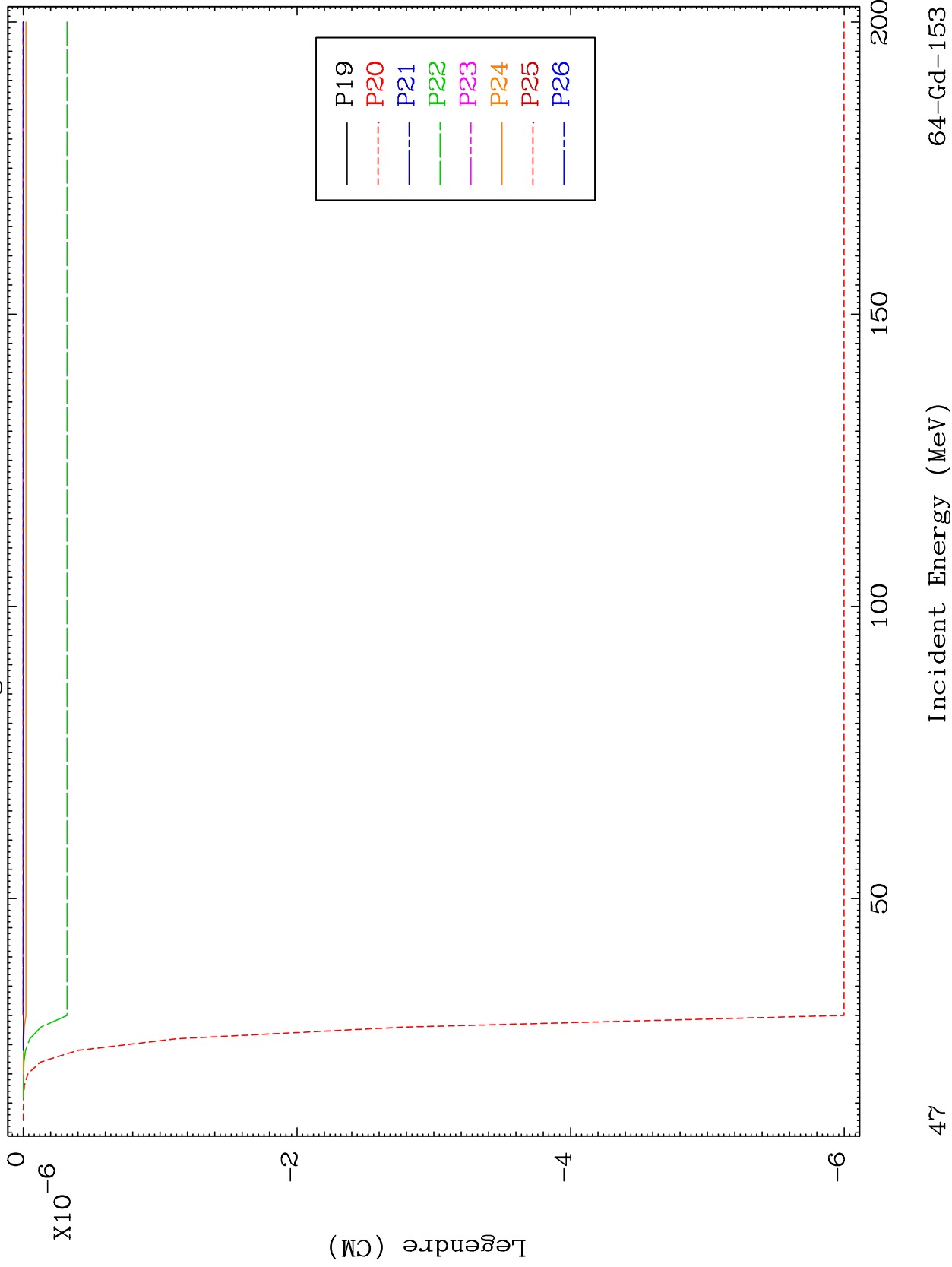
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

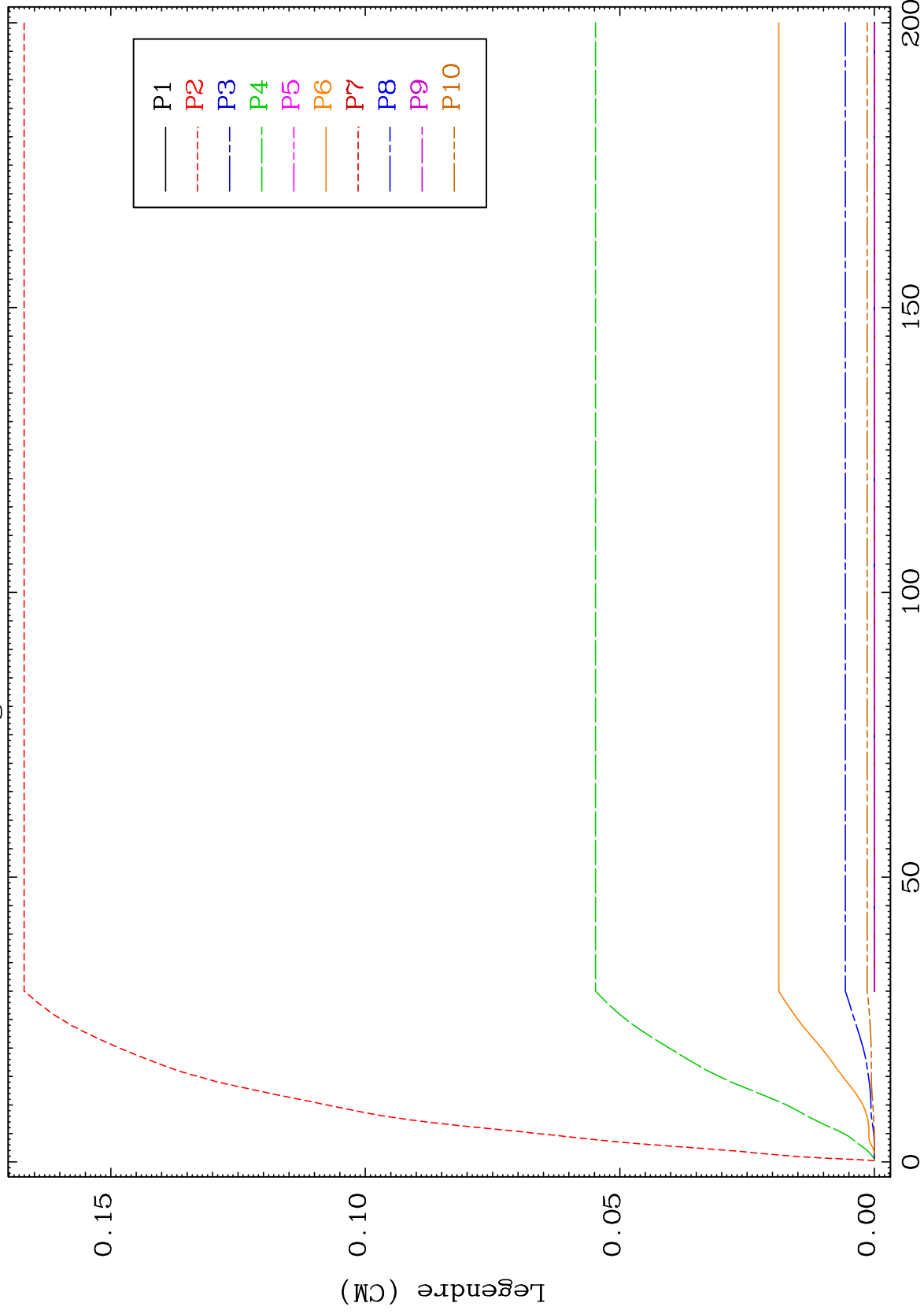
64-Gd-153



MAT 6428

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

64-Gd-153



48

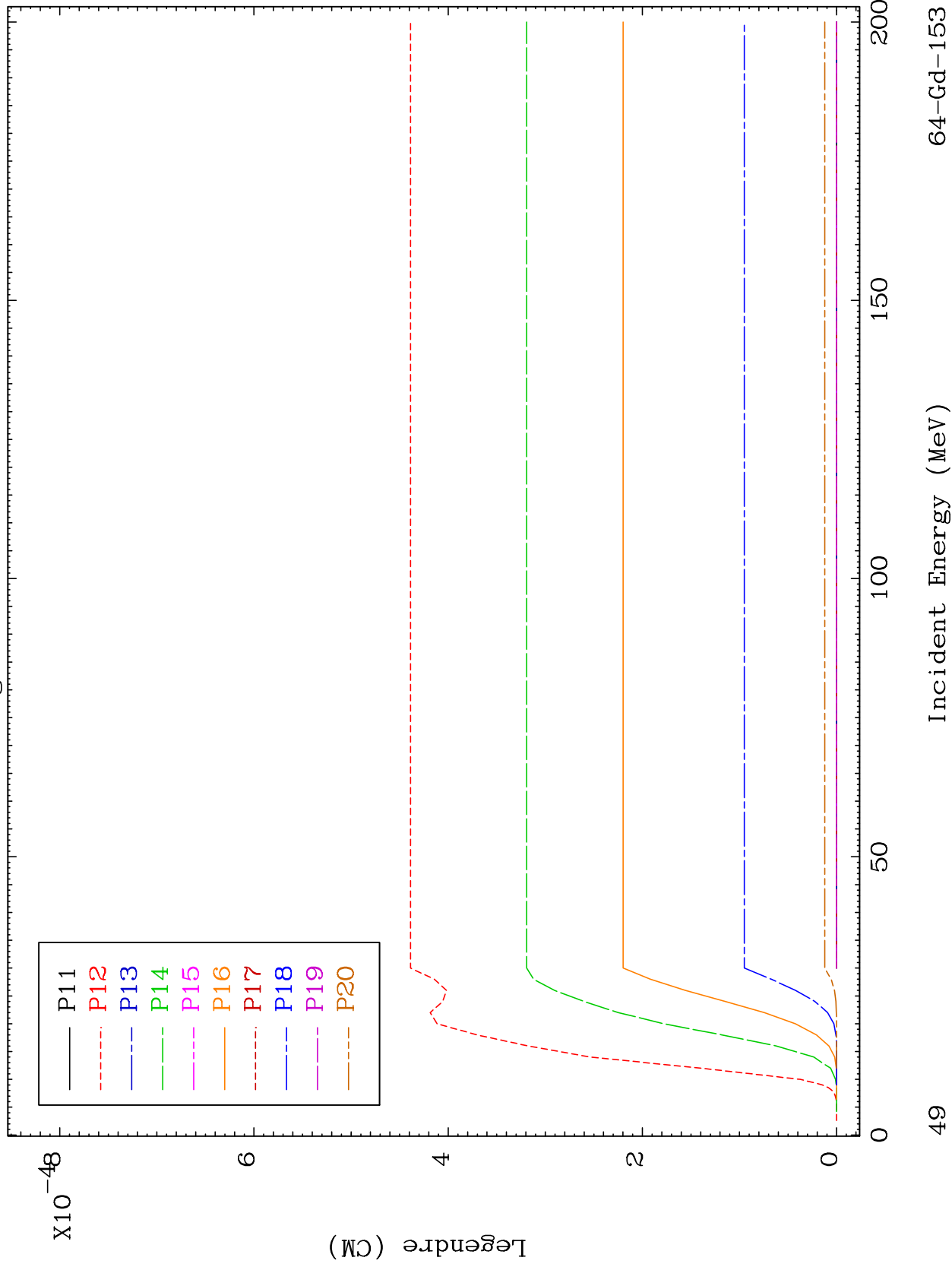
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



49

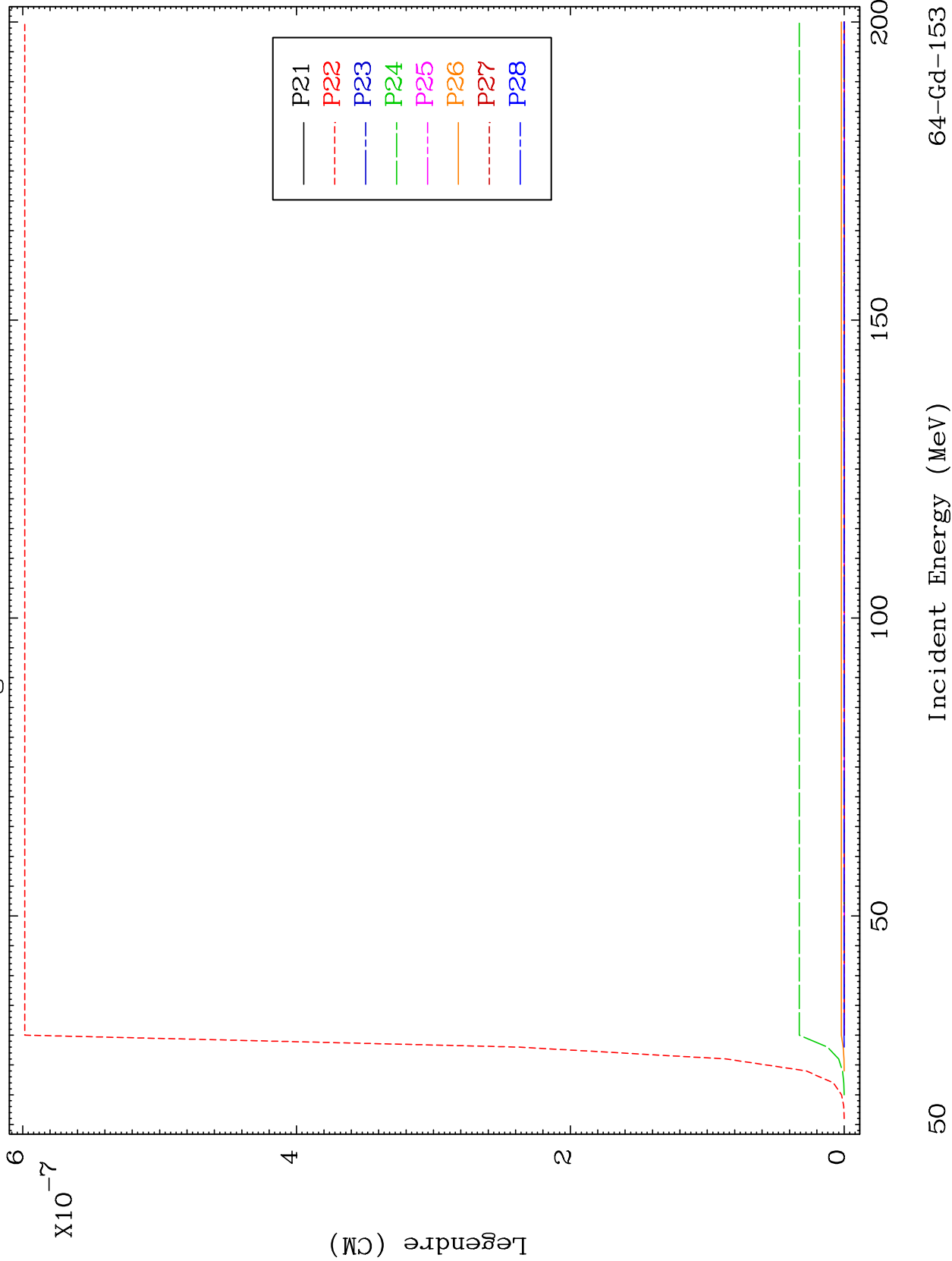
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

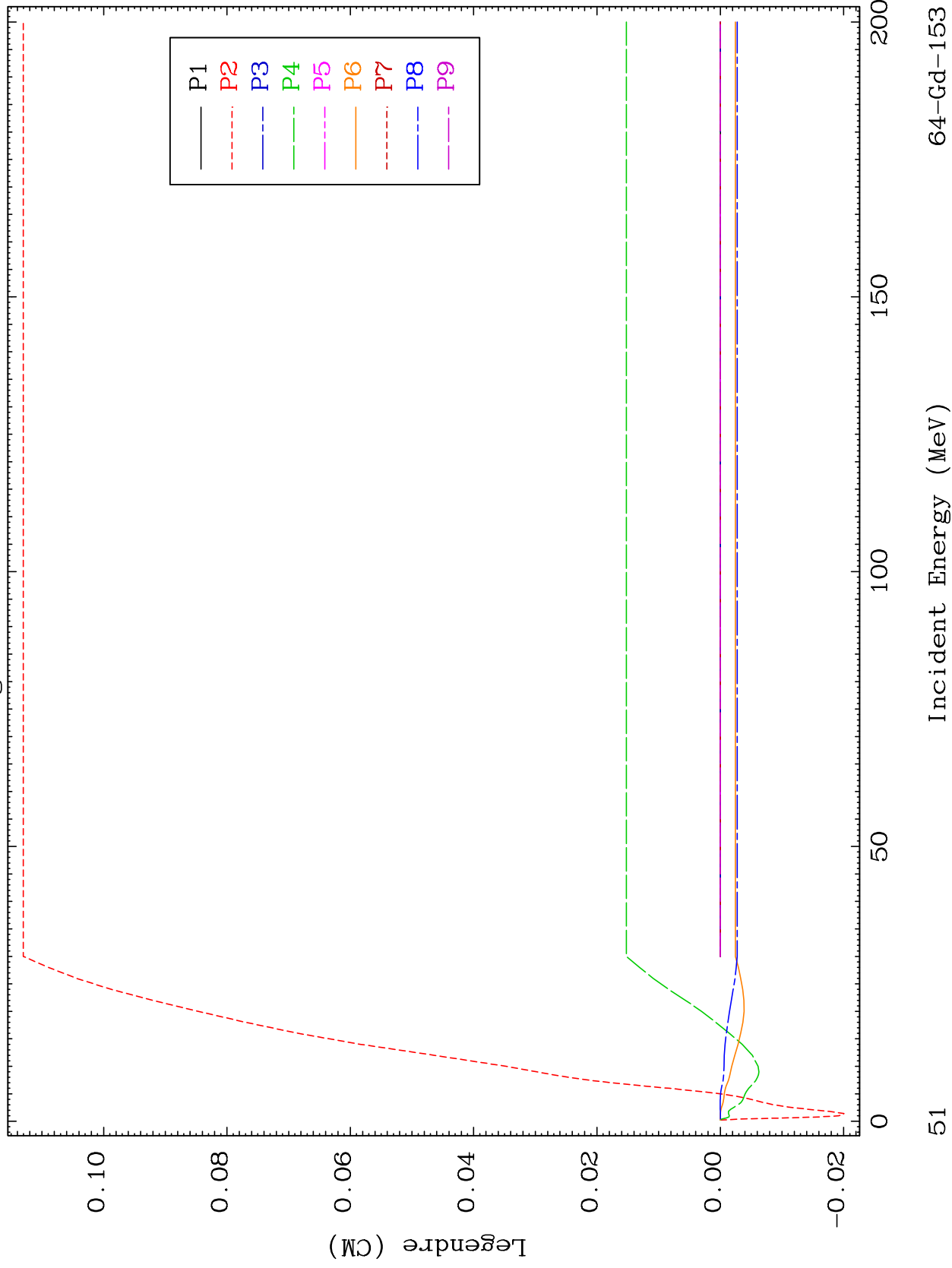
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MAT 6428

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

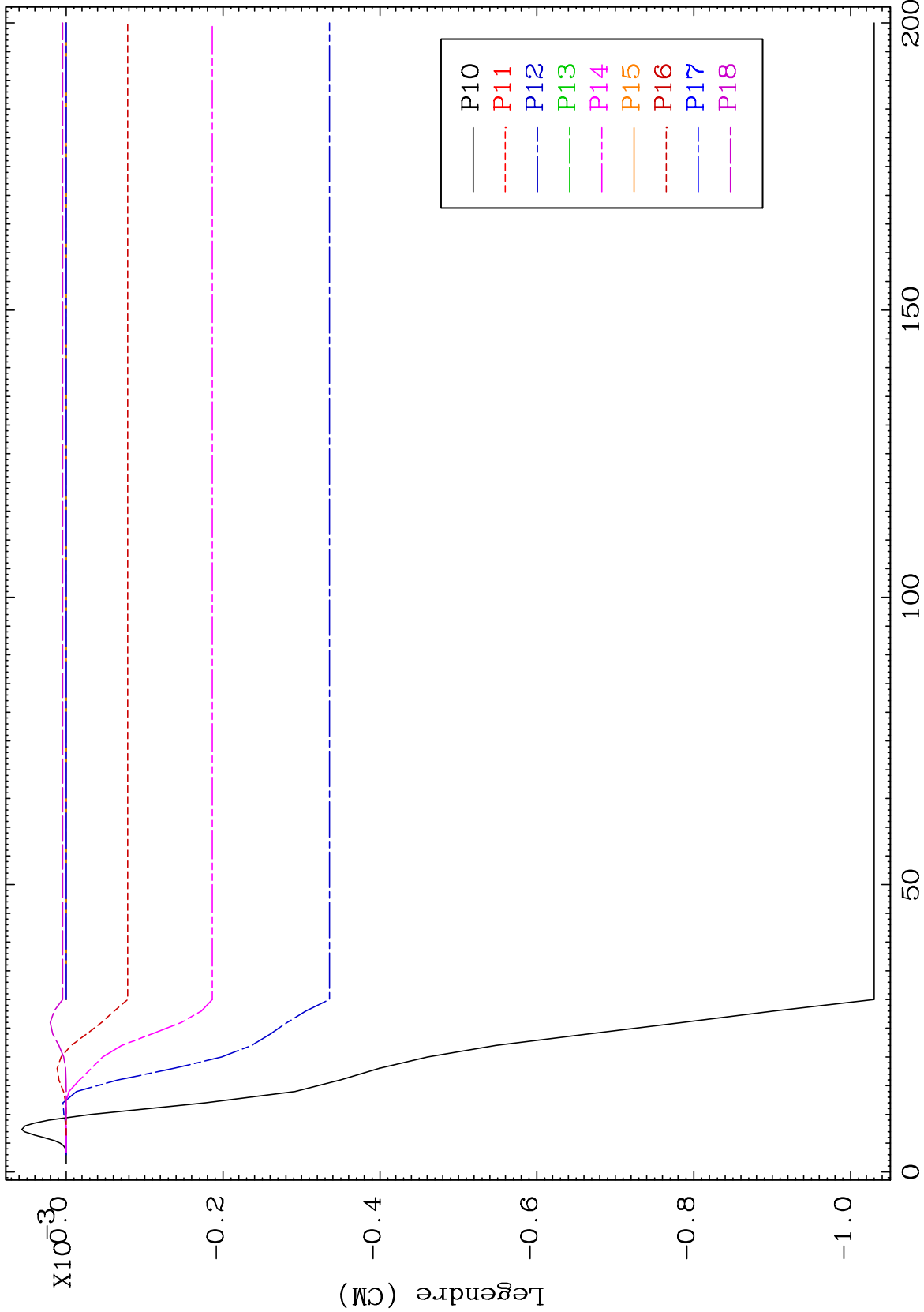
64-Gd-153



51

Incident Energy (MeV)

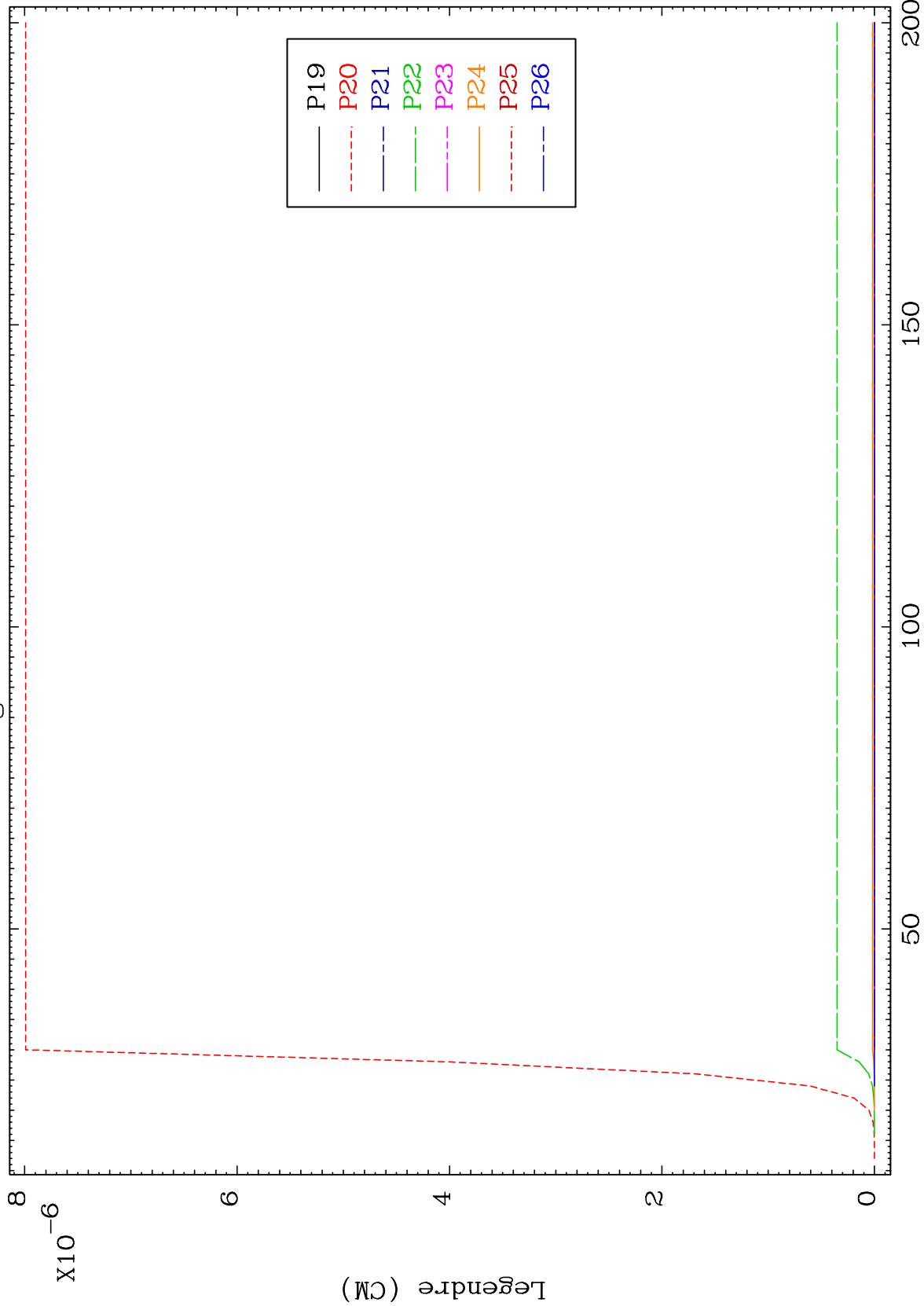
64-Gd-153



MAT 6428

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

64-Gd-153



64-Gd-153

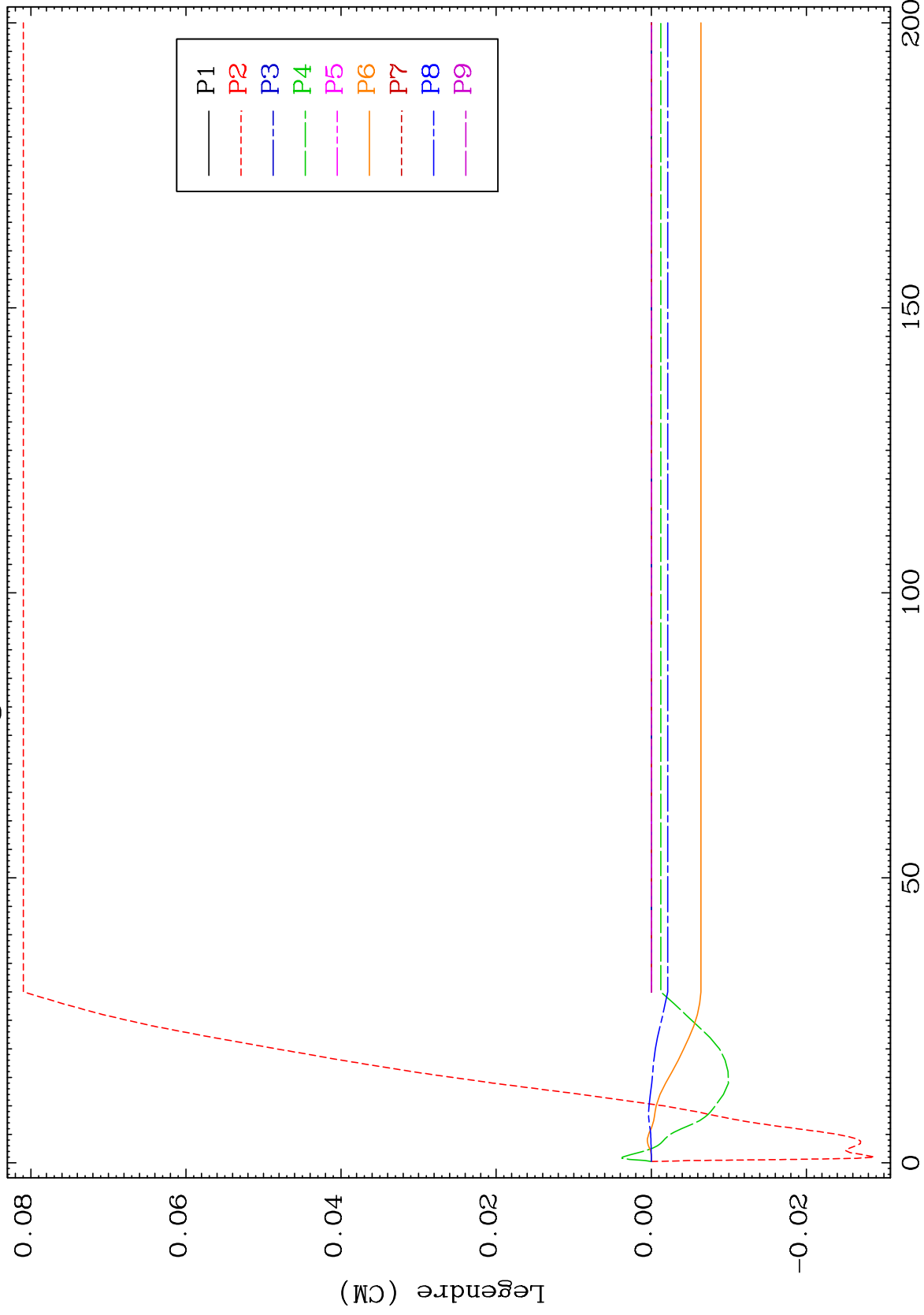
Incident Energy (MeV)

53

MAT 6428

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

64-Gd-153



54

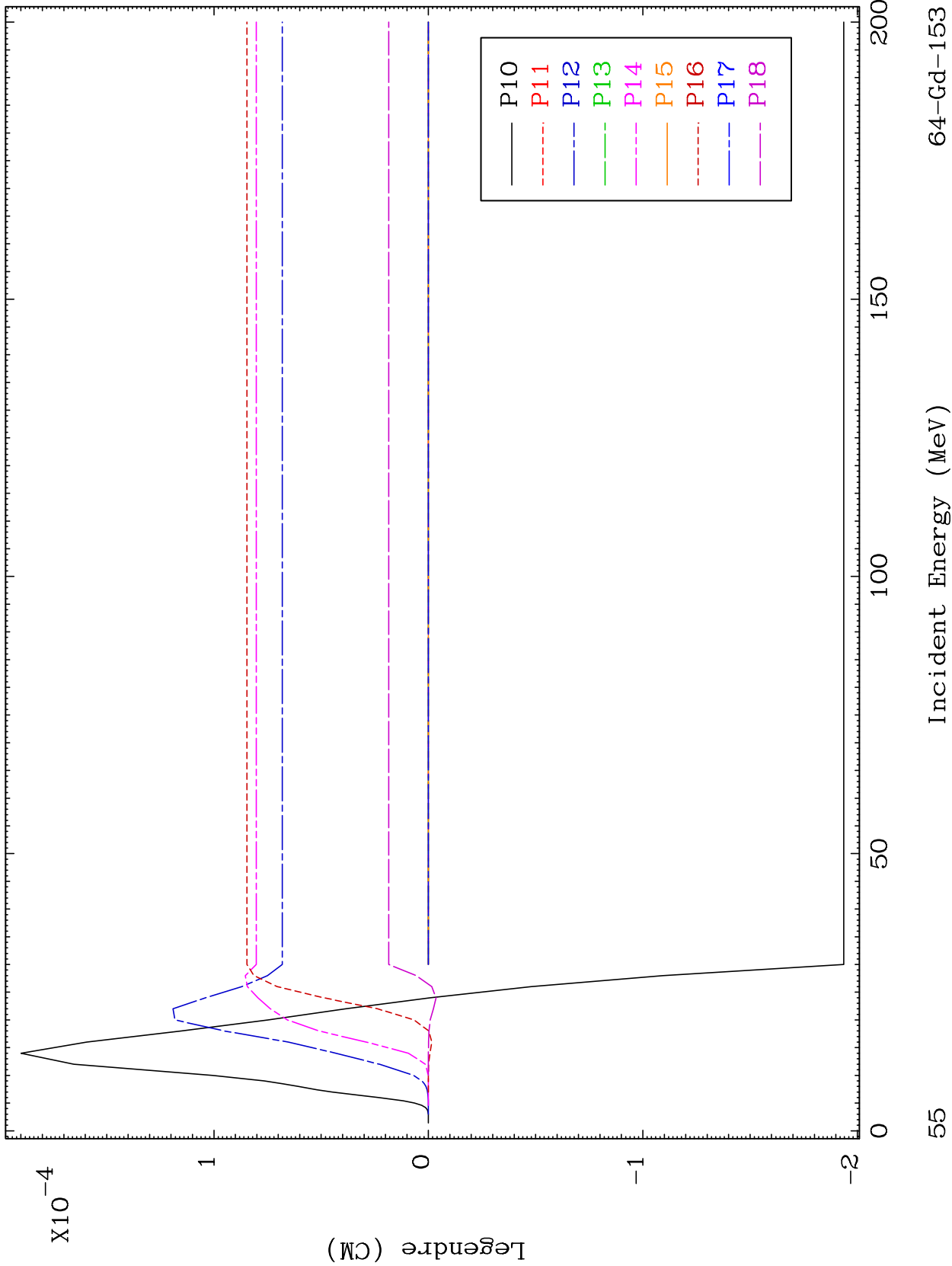
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

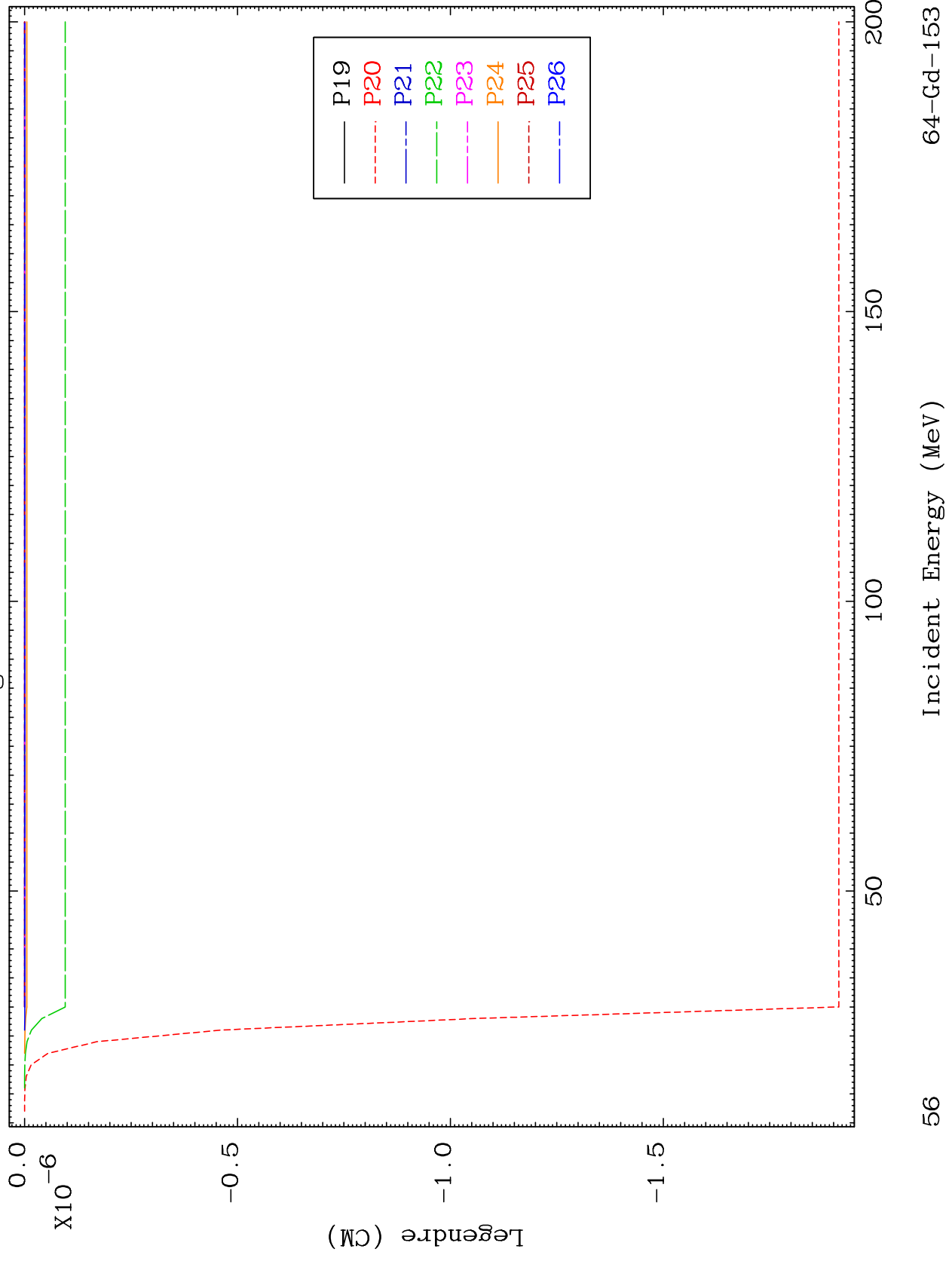
Incident Energy (MeV)

55

MAT 6428

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

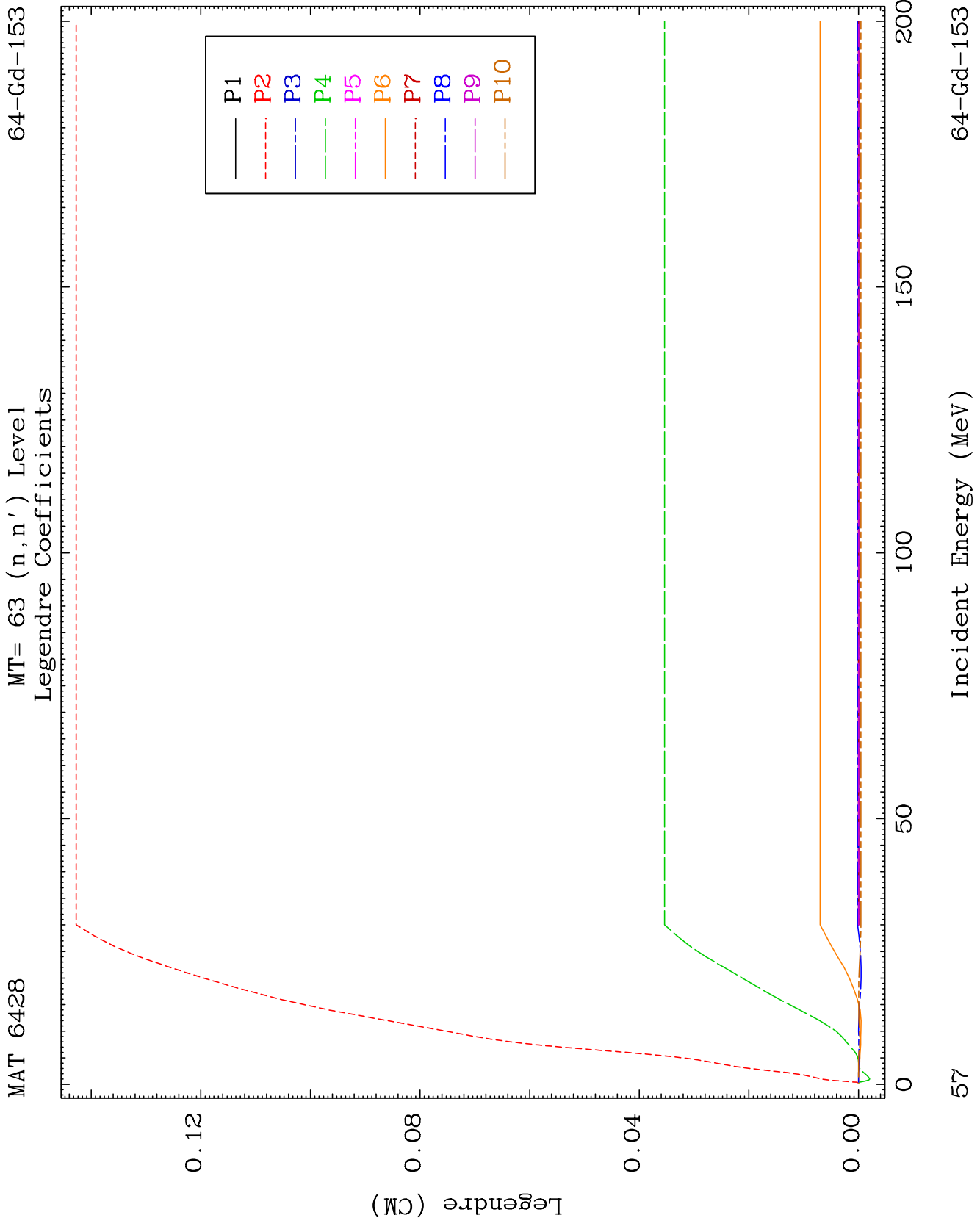
64-Gd-153



56

Incident Energy (MeV)

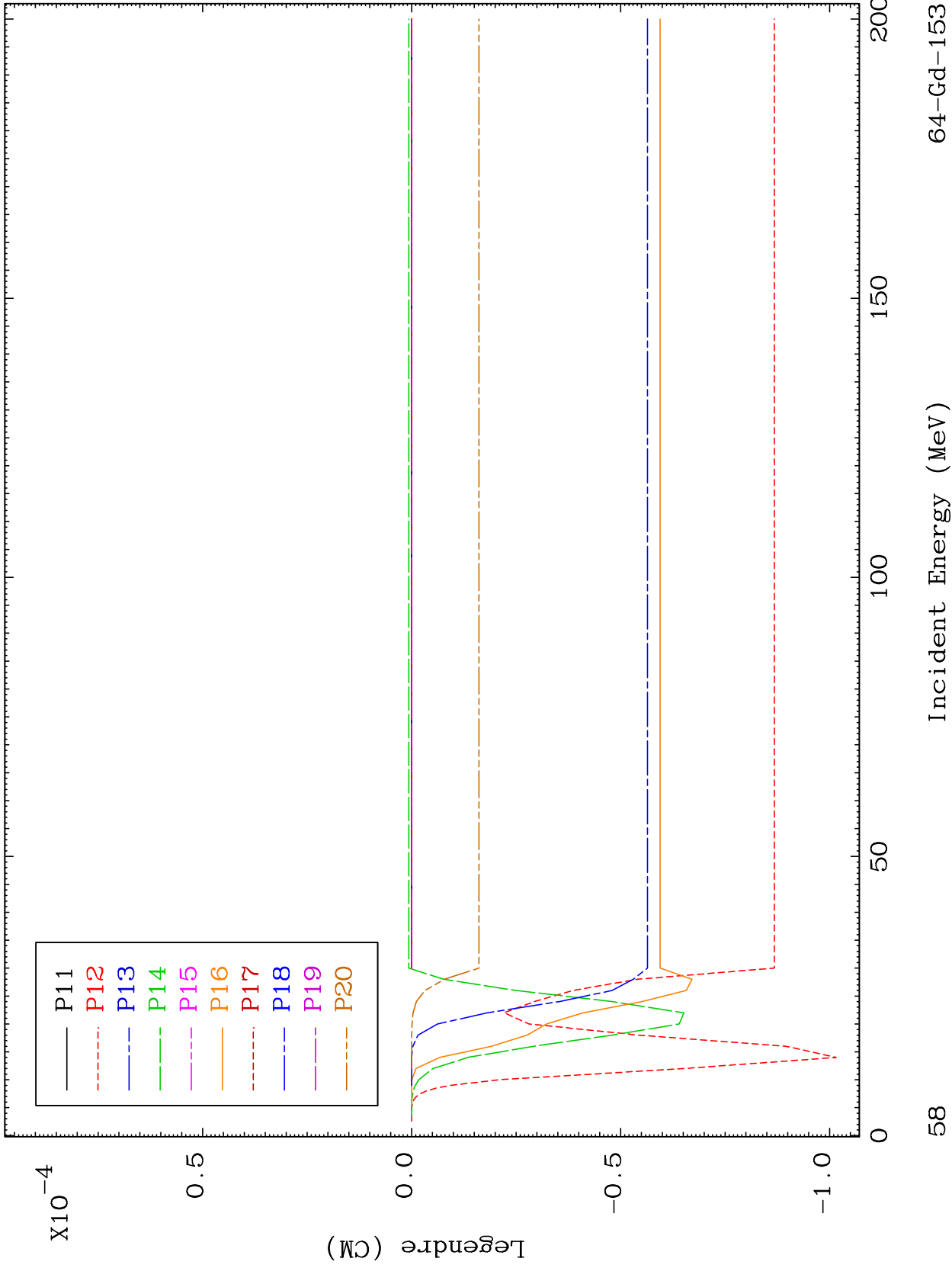
64-Gd-153



MAT 6428

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

64-Gd-153



58

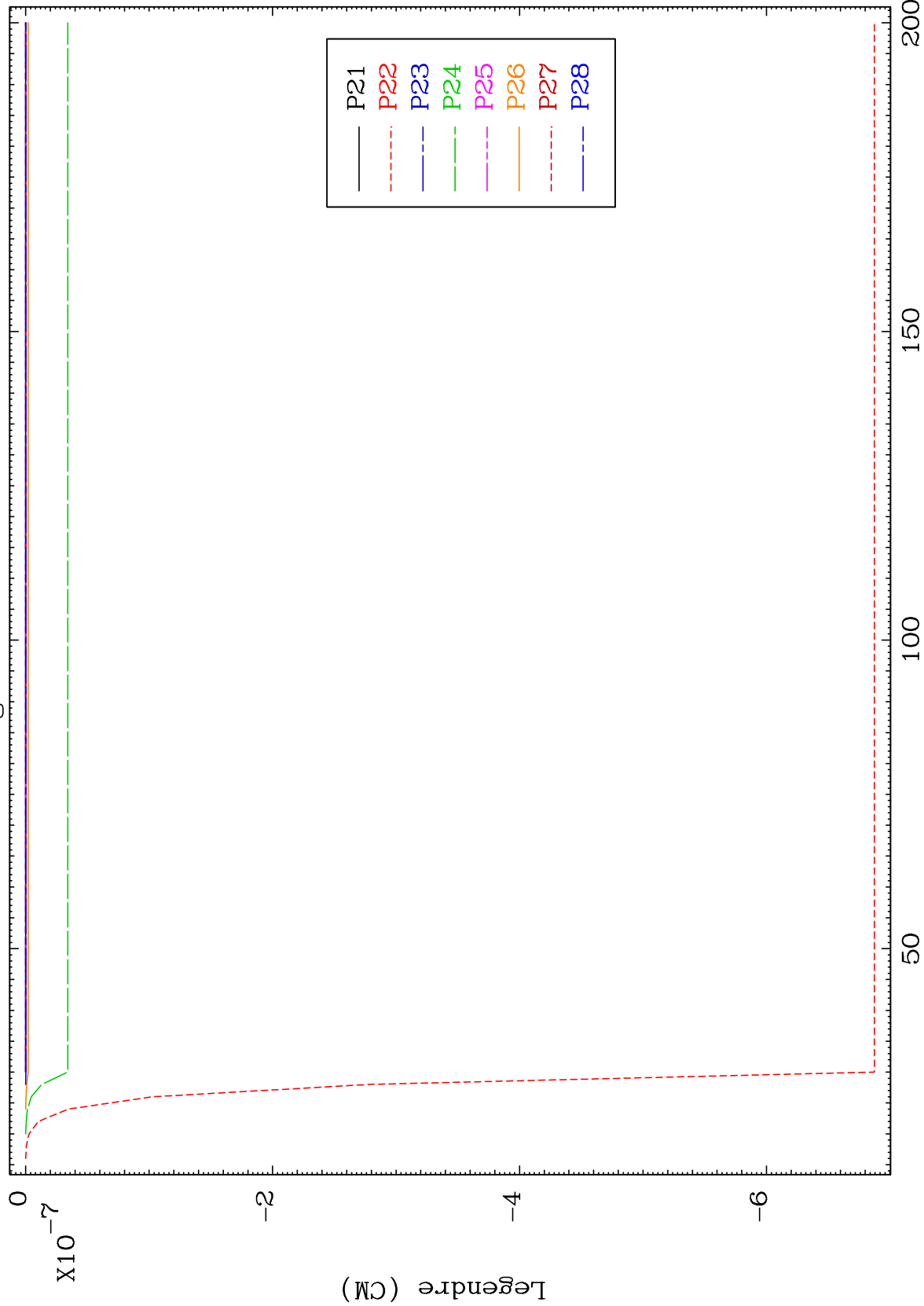
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



59

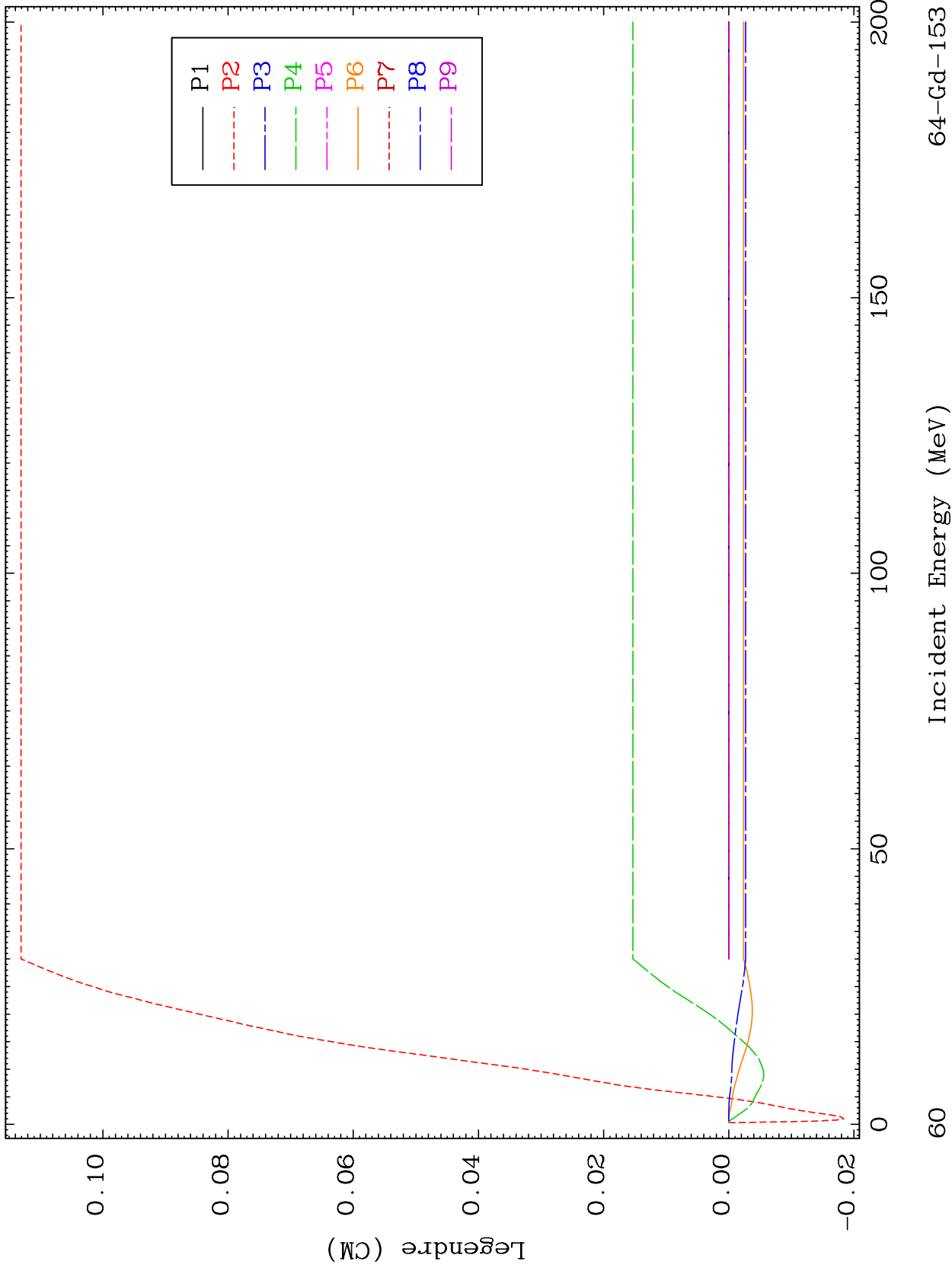
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153

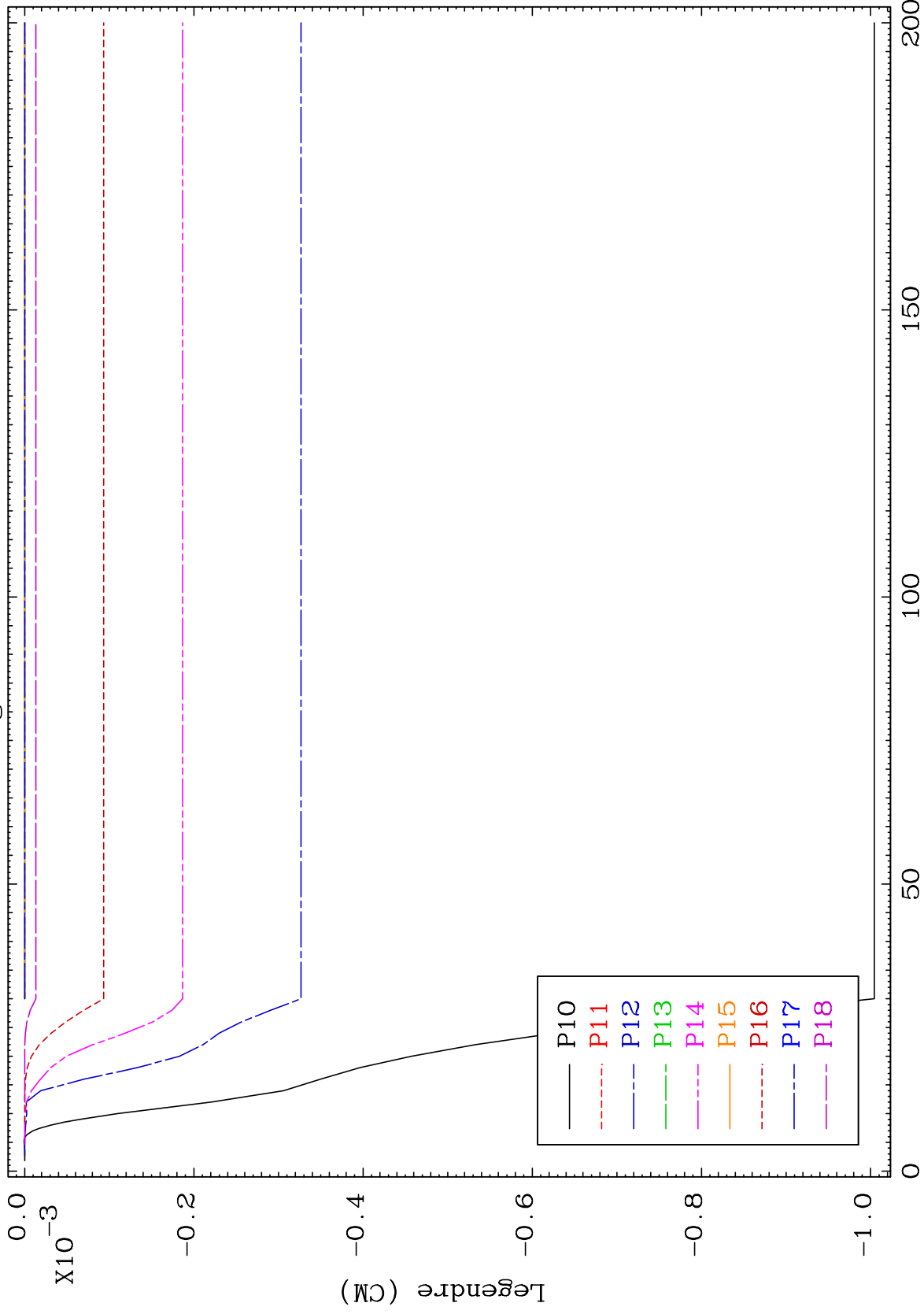


64-Gd-153

MAT 6428

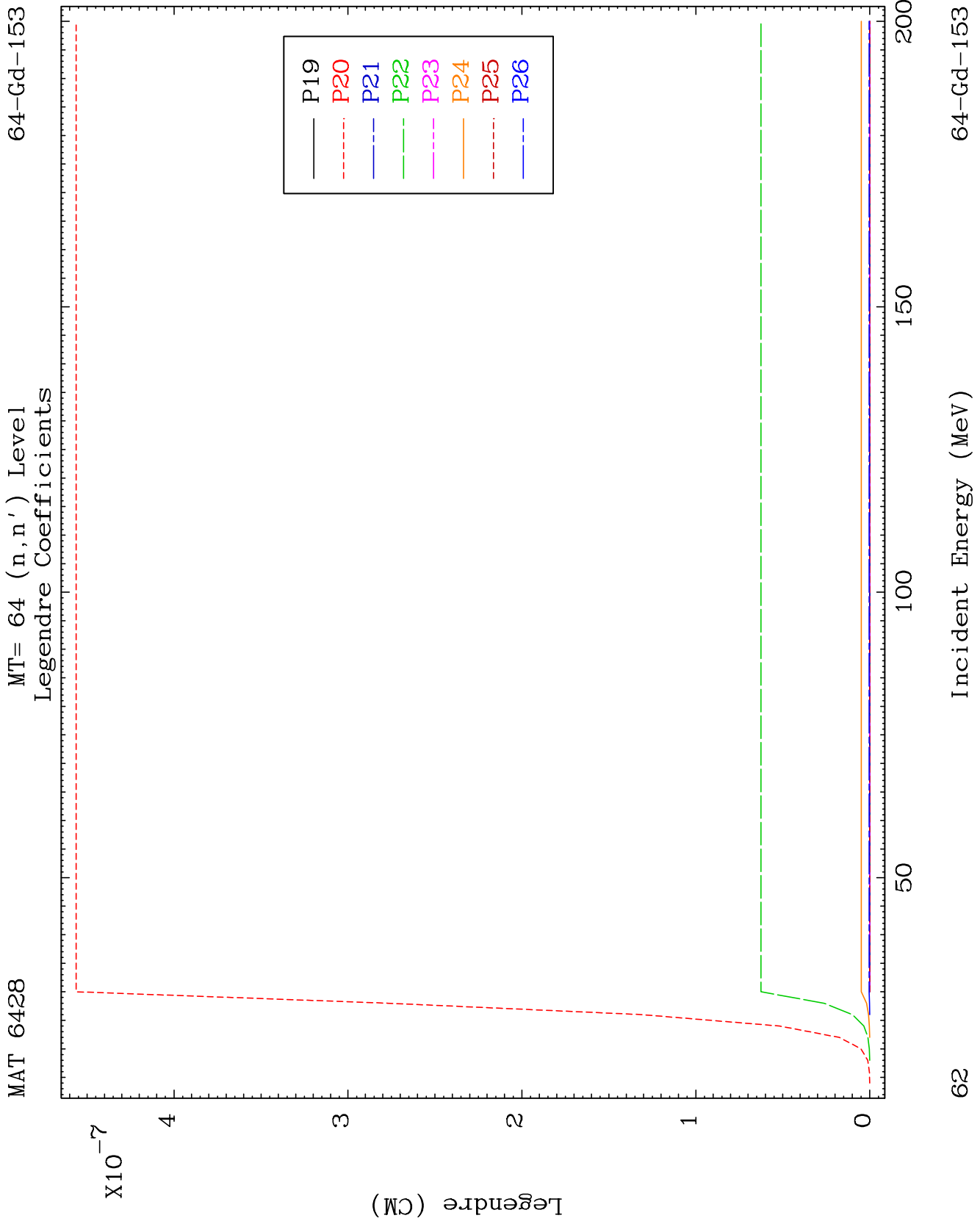
MT= 64 (n,n') Level
Legendre Coefficients

64-Gd-153



61

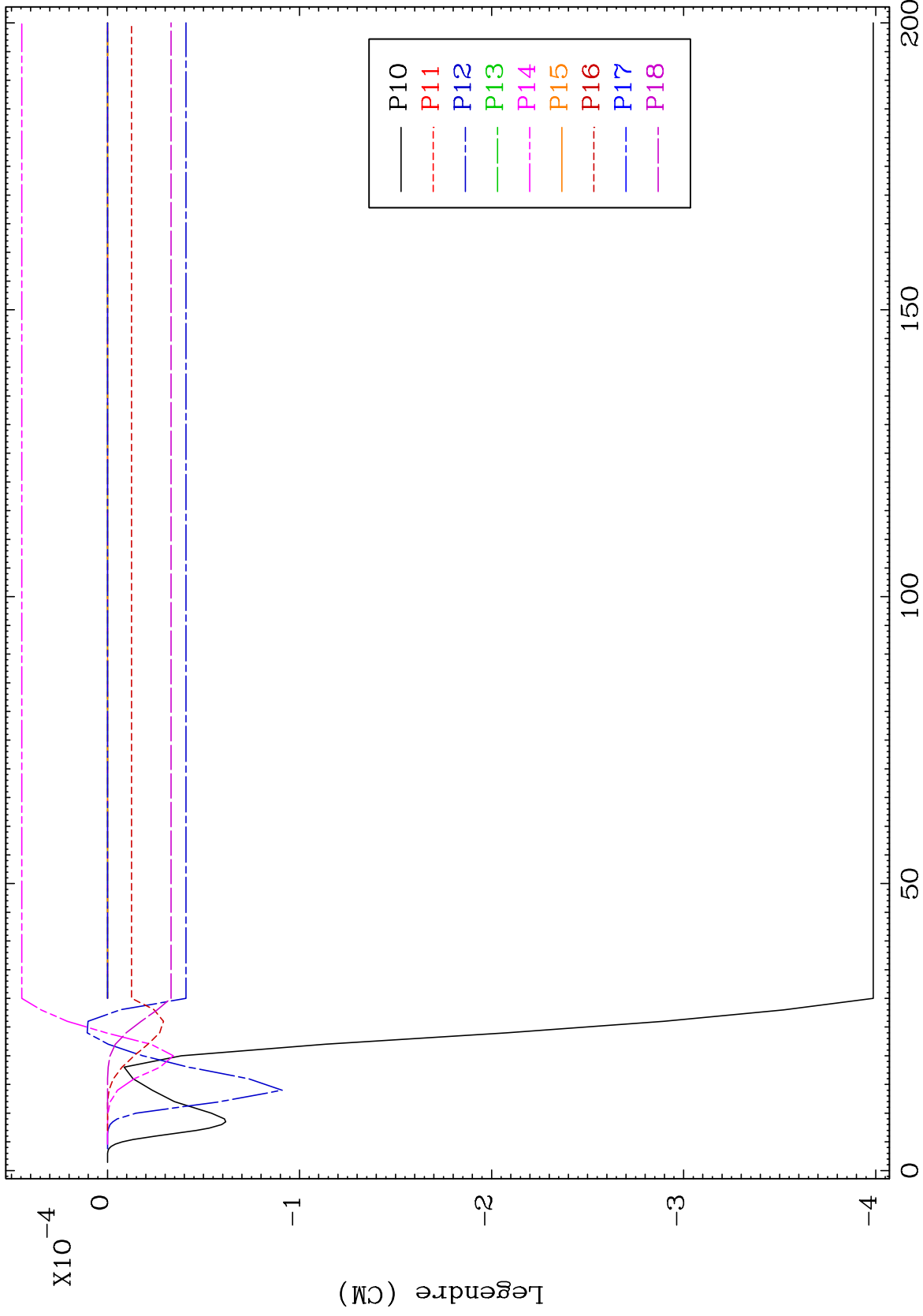
64-Gd-153



MAT 6428

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

64-Gd-153



64

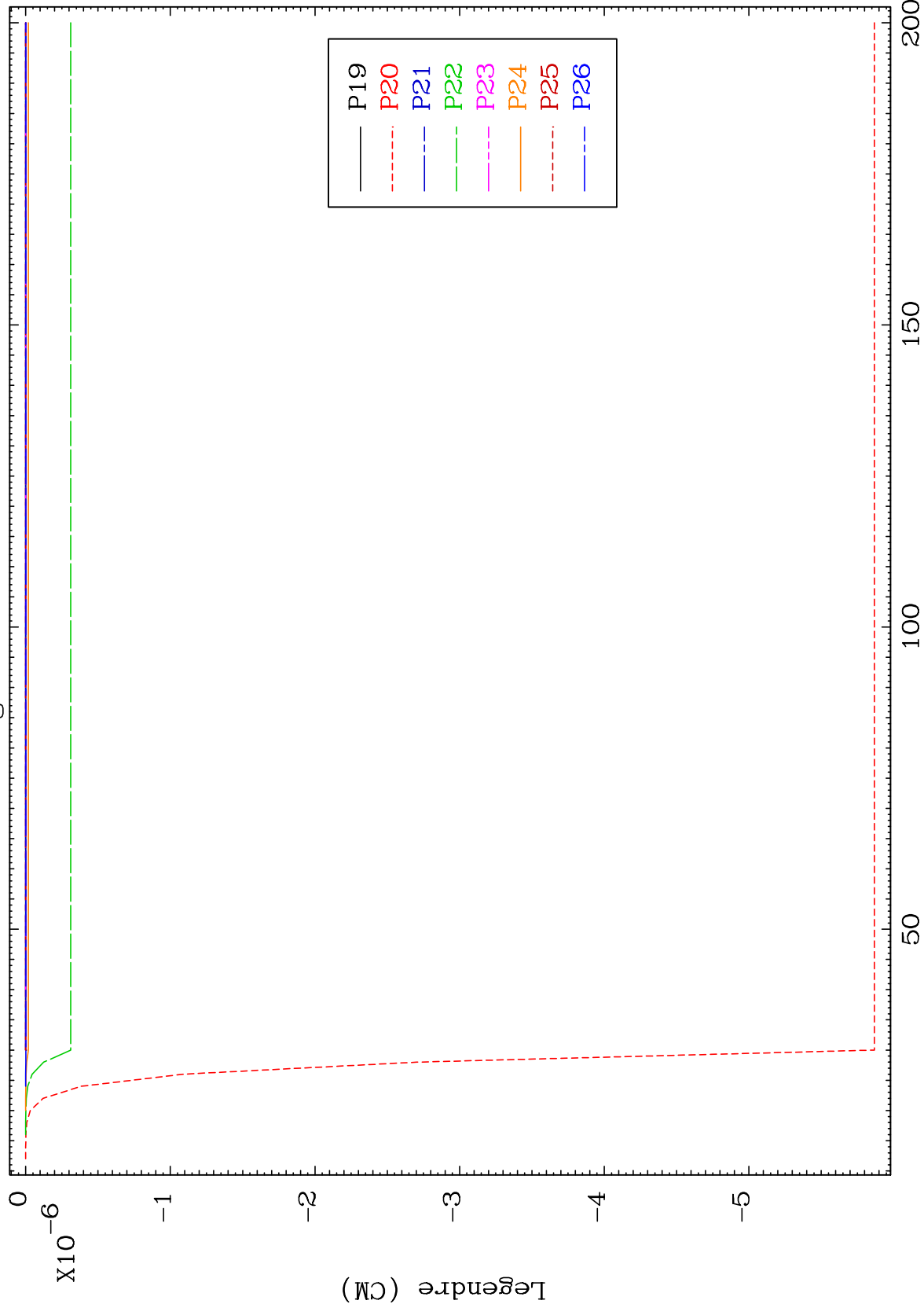
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



65

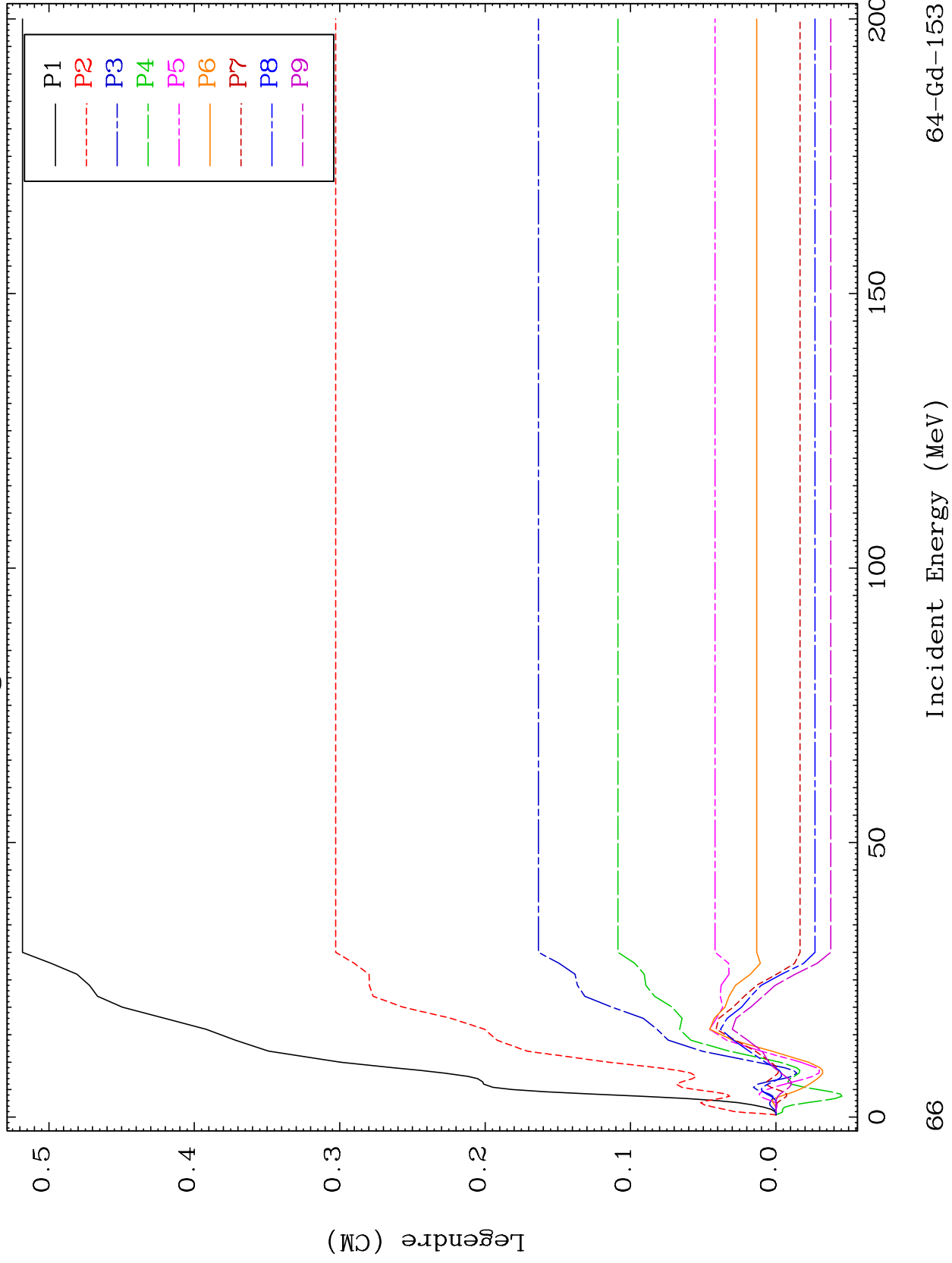
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

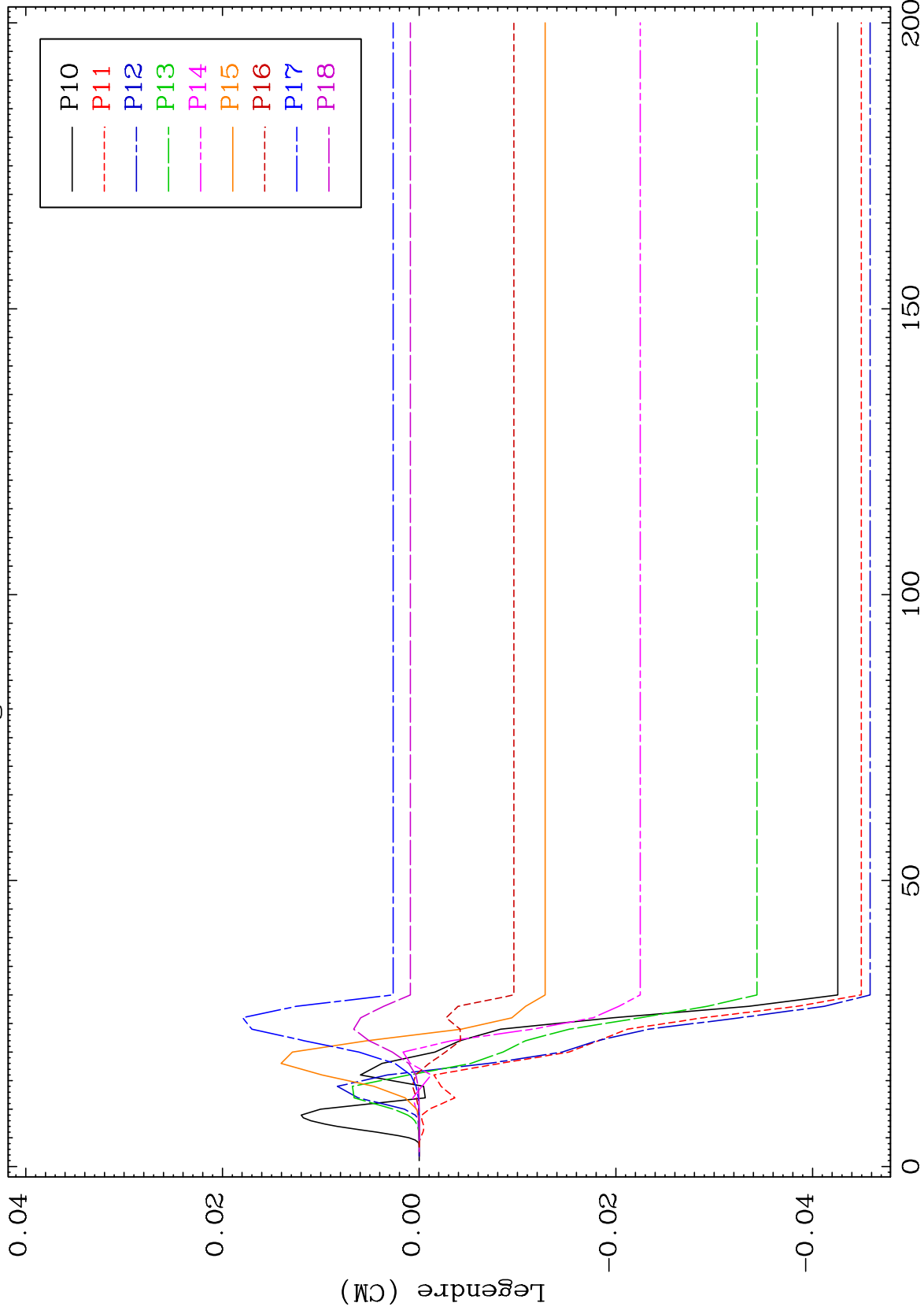
Incident Energy (MeV)

66

MAT 6428

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

64-Gd-153



67

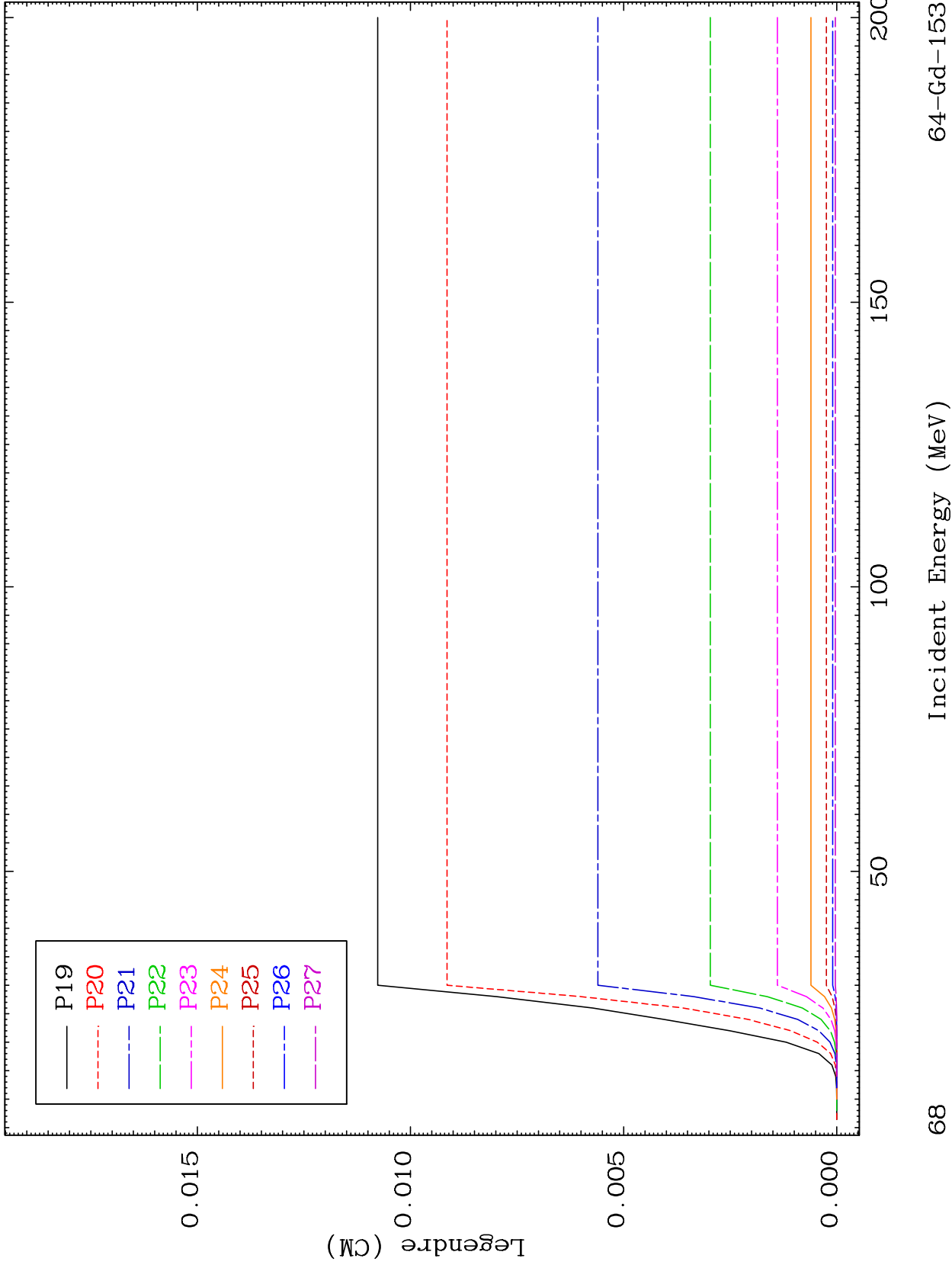
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



68

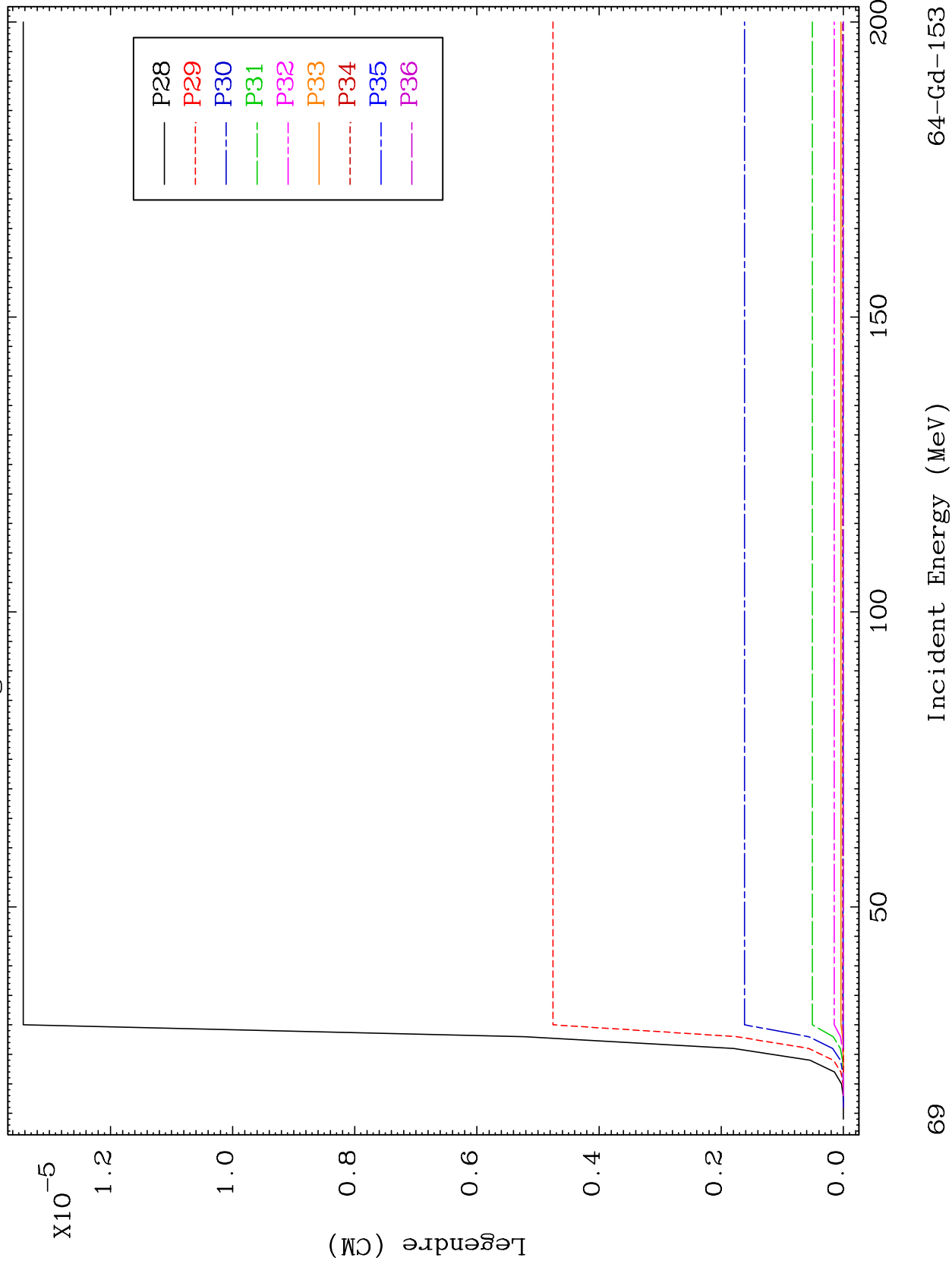
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



69

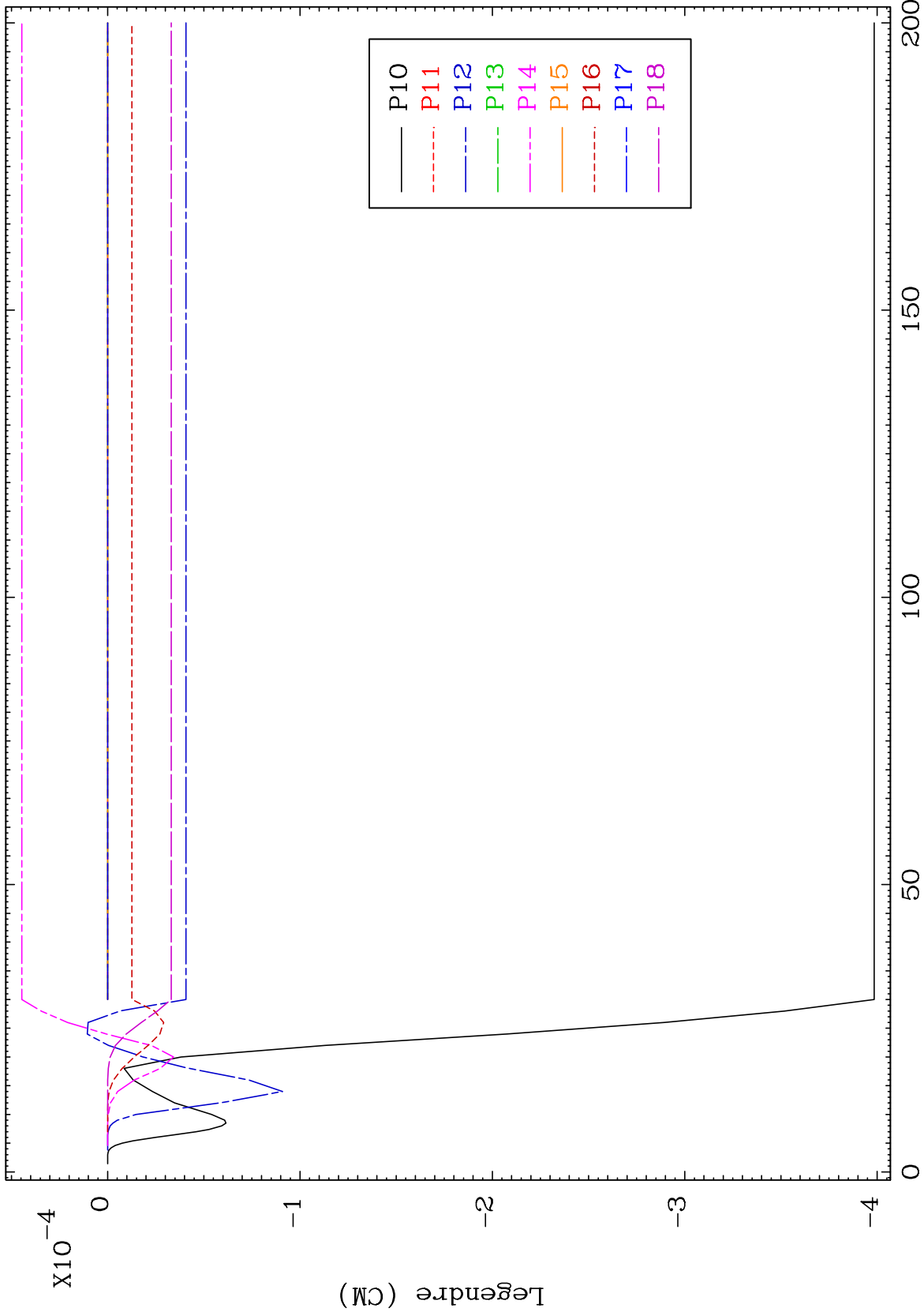
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

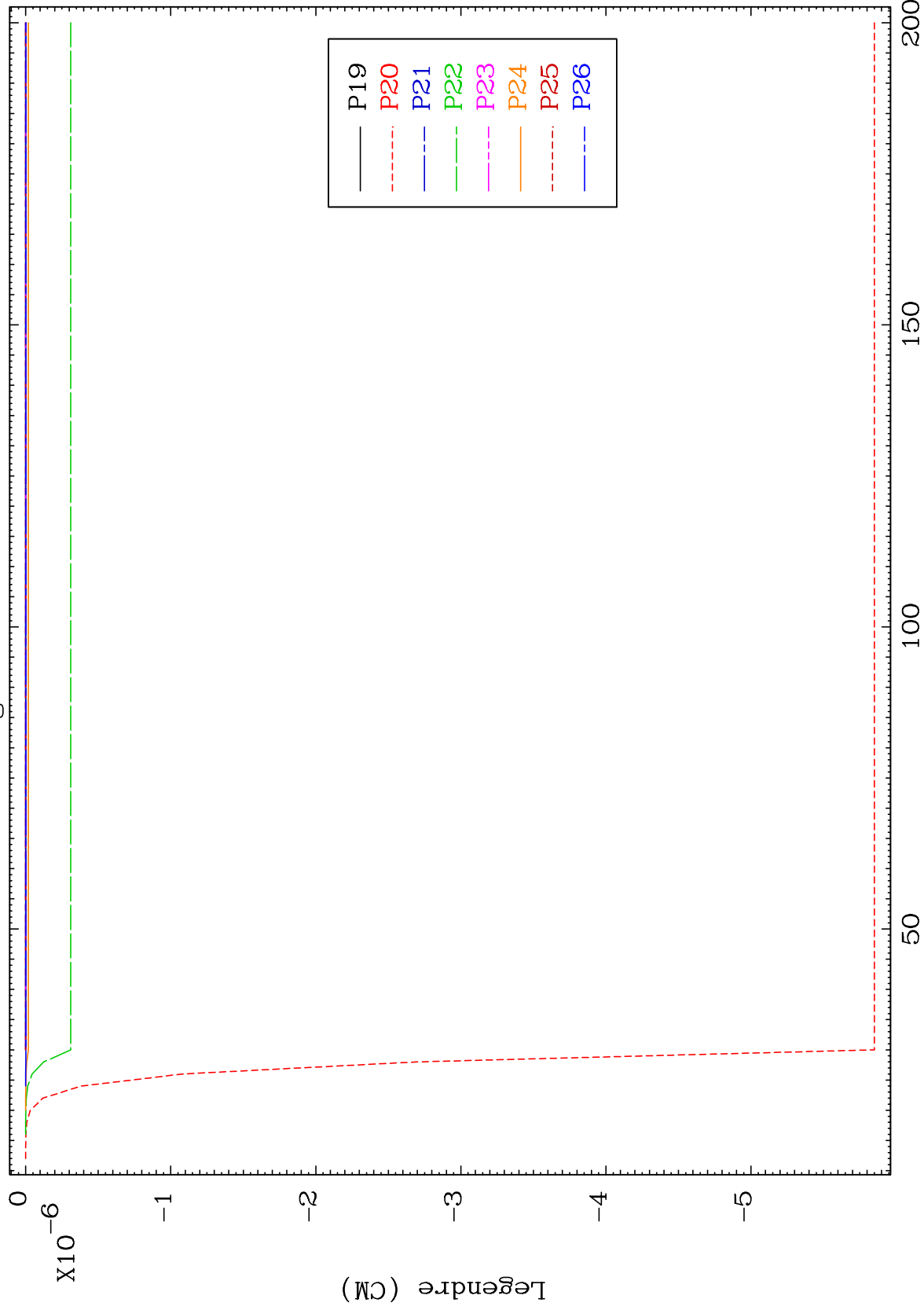
64-Gd-153



MAT 6428

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

64-Gd-153



72

Incident Energy (MeV)

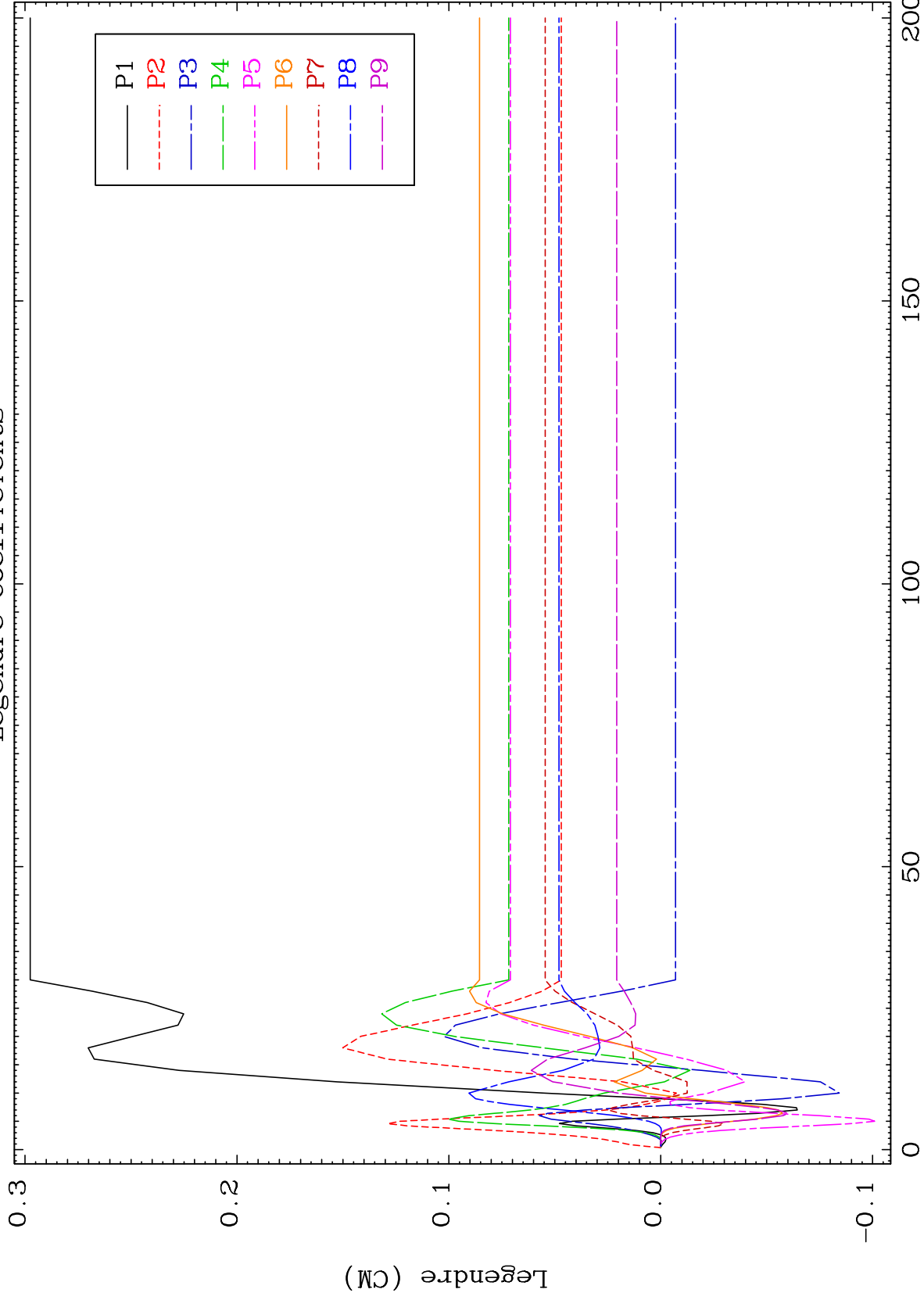
64-Gd-153

MAT 6428

MT= 68 (n,n') Level

64-Gd-153

Legendre Coefficients



73

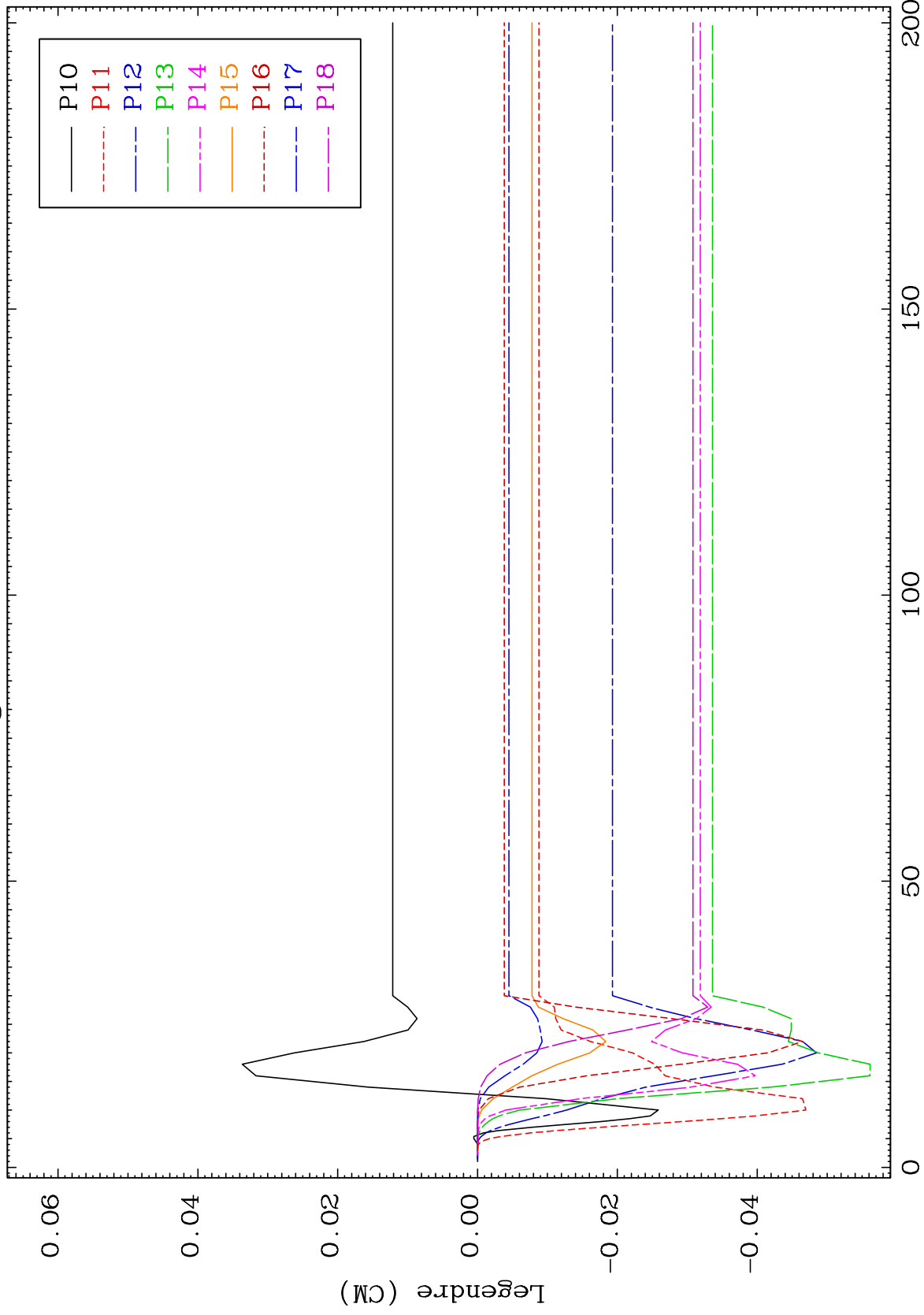
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



74

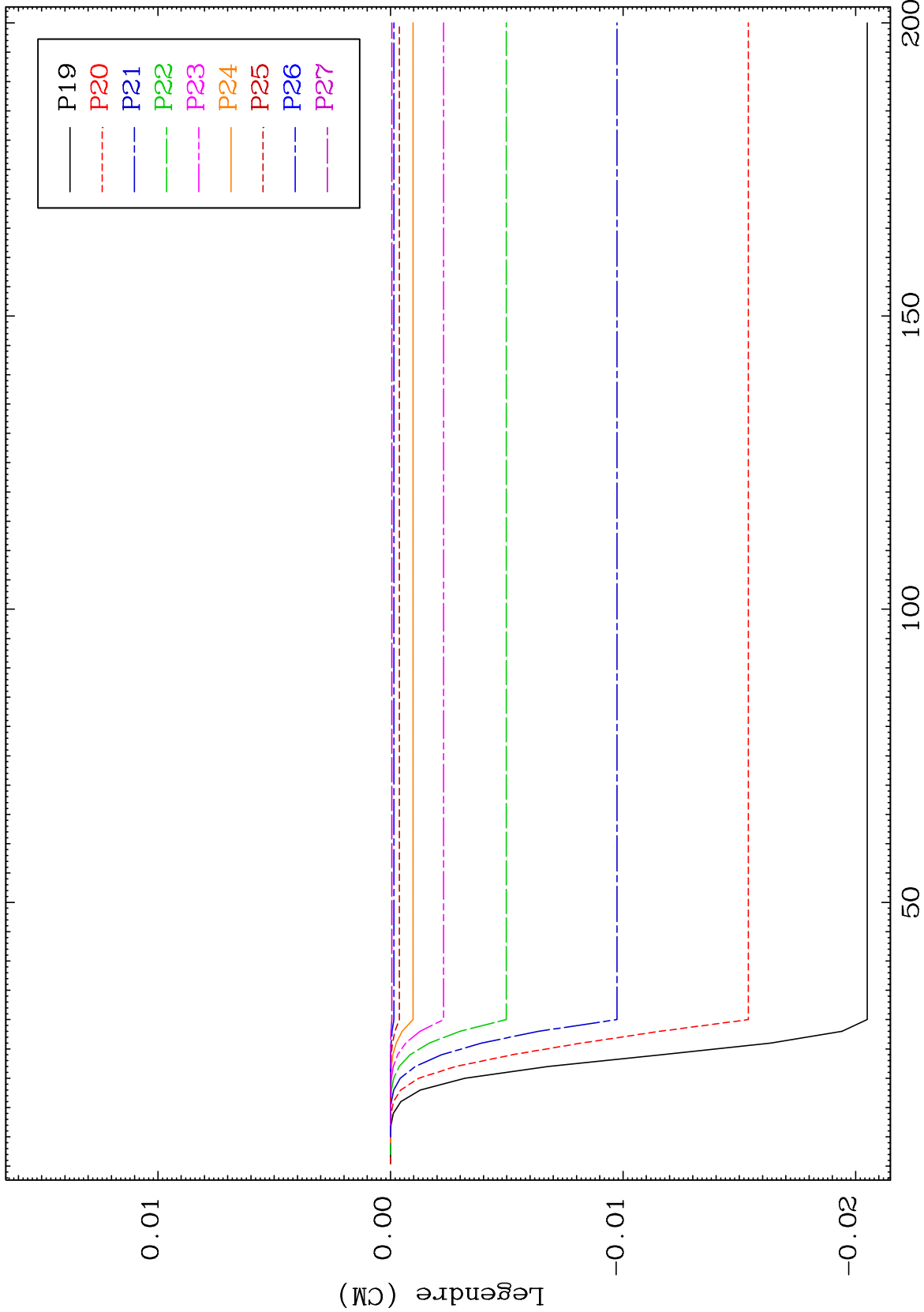
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



75

Incident Energy (MeV)

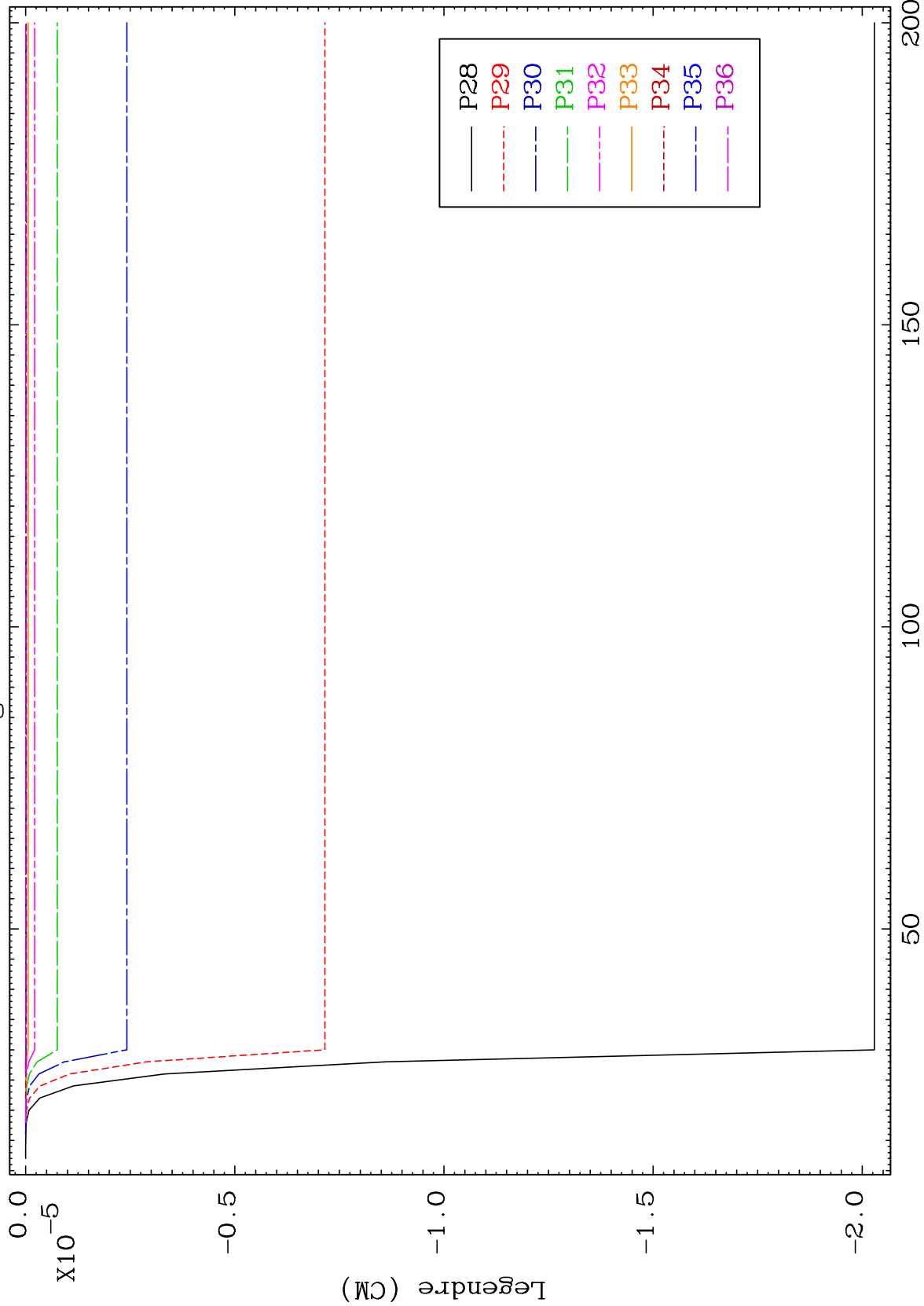
64-Gd-153

MAT 6428

MT= 68 (n,n') Level

64-Gd-153

Legendre Coefficients



64-Gd-153

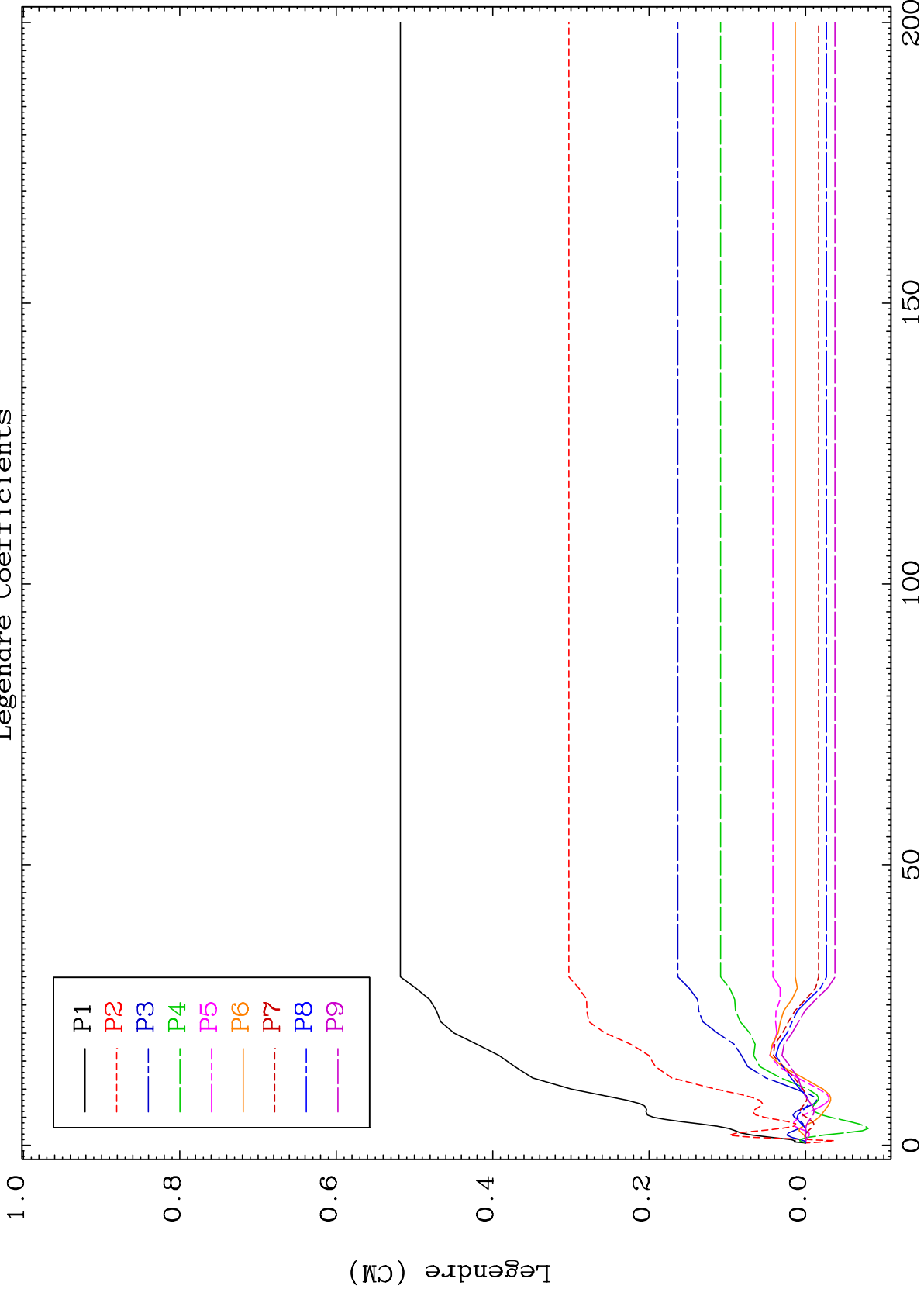
Incident Energy (MeV)

76

MAT 6428

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

64-Gd-153



64-Gd-153

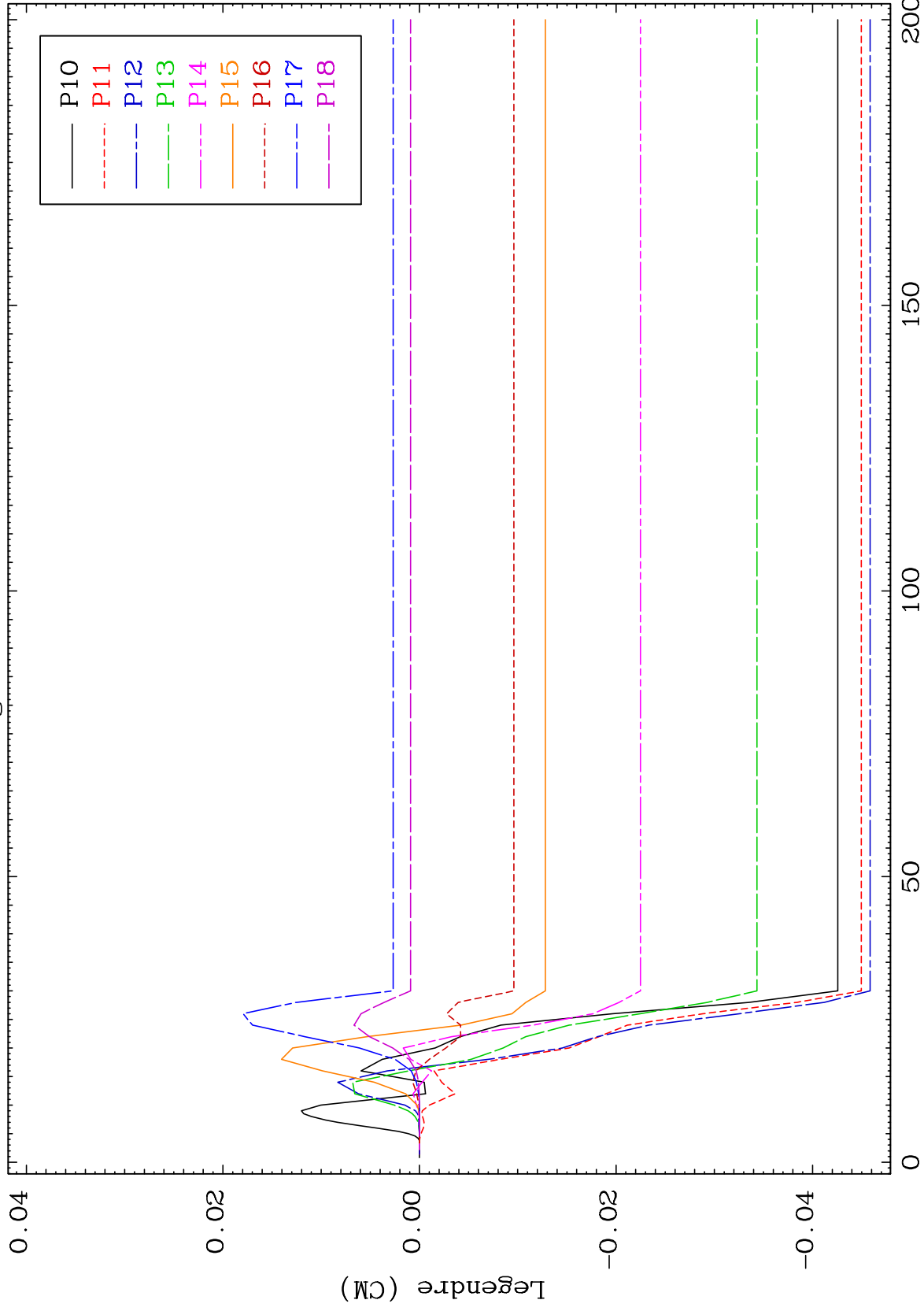
Incident Energy (MeV)

77

MAT 6428

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

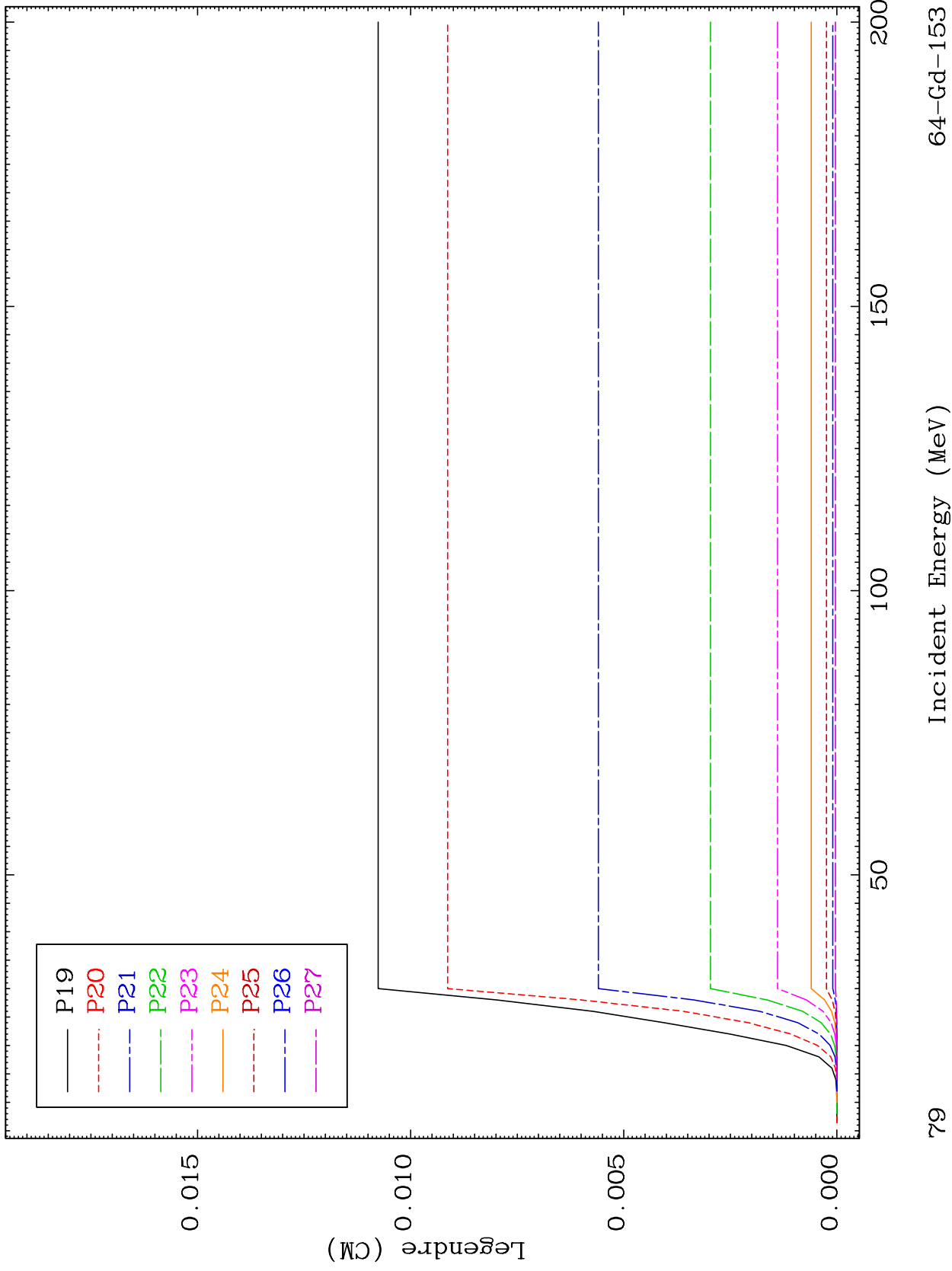
64-Gd-153



78

Incident Energy (MeV)

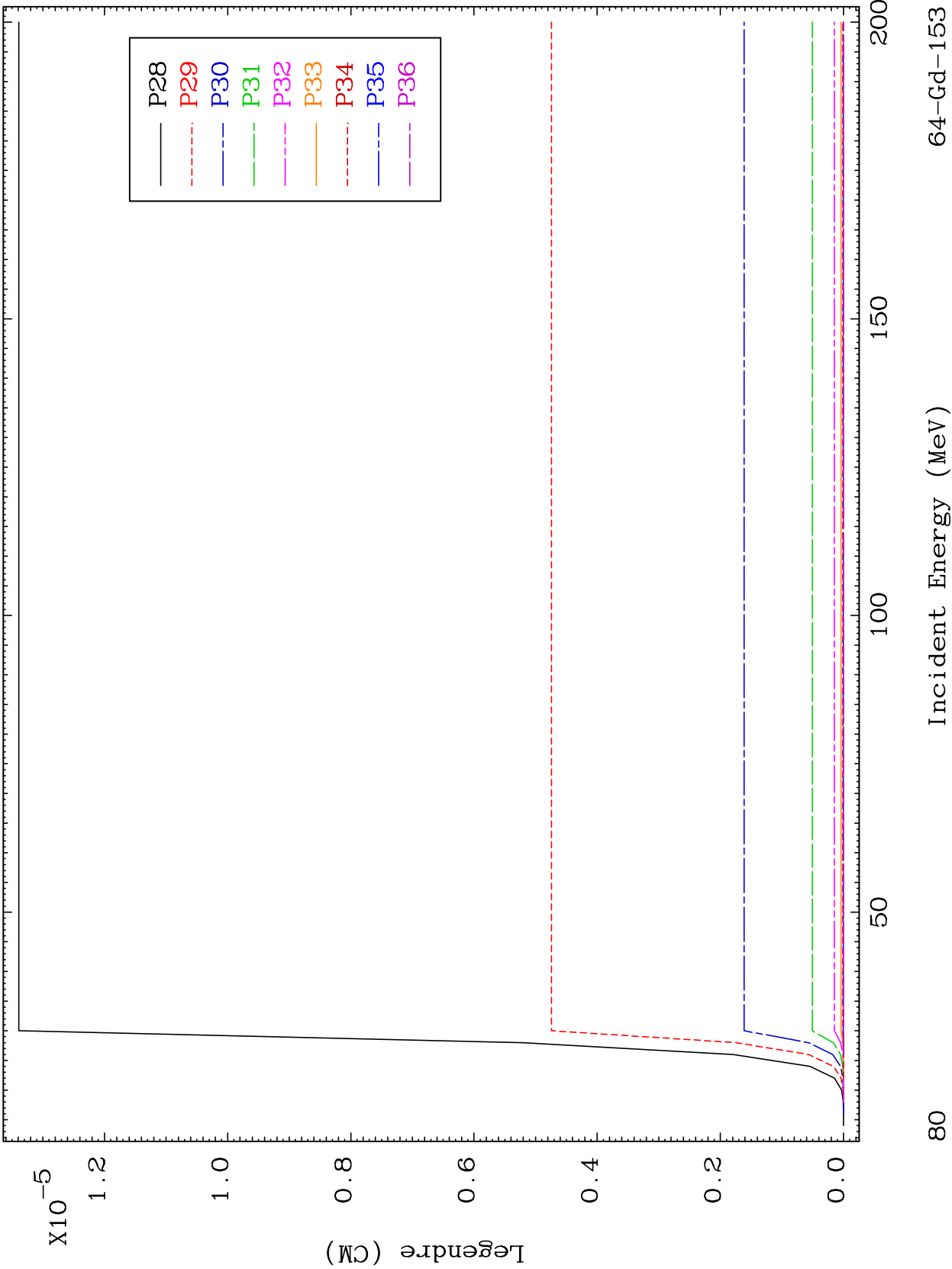
64-Gd-153



MAT 6428

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

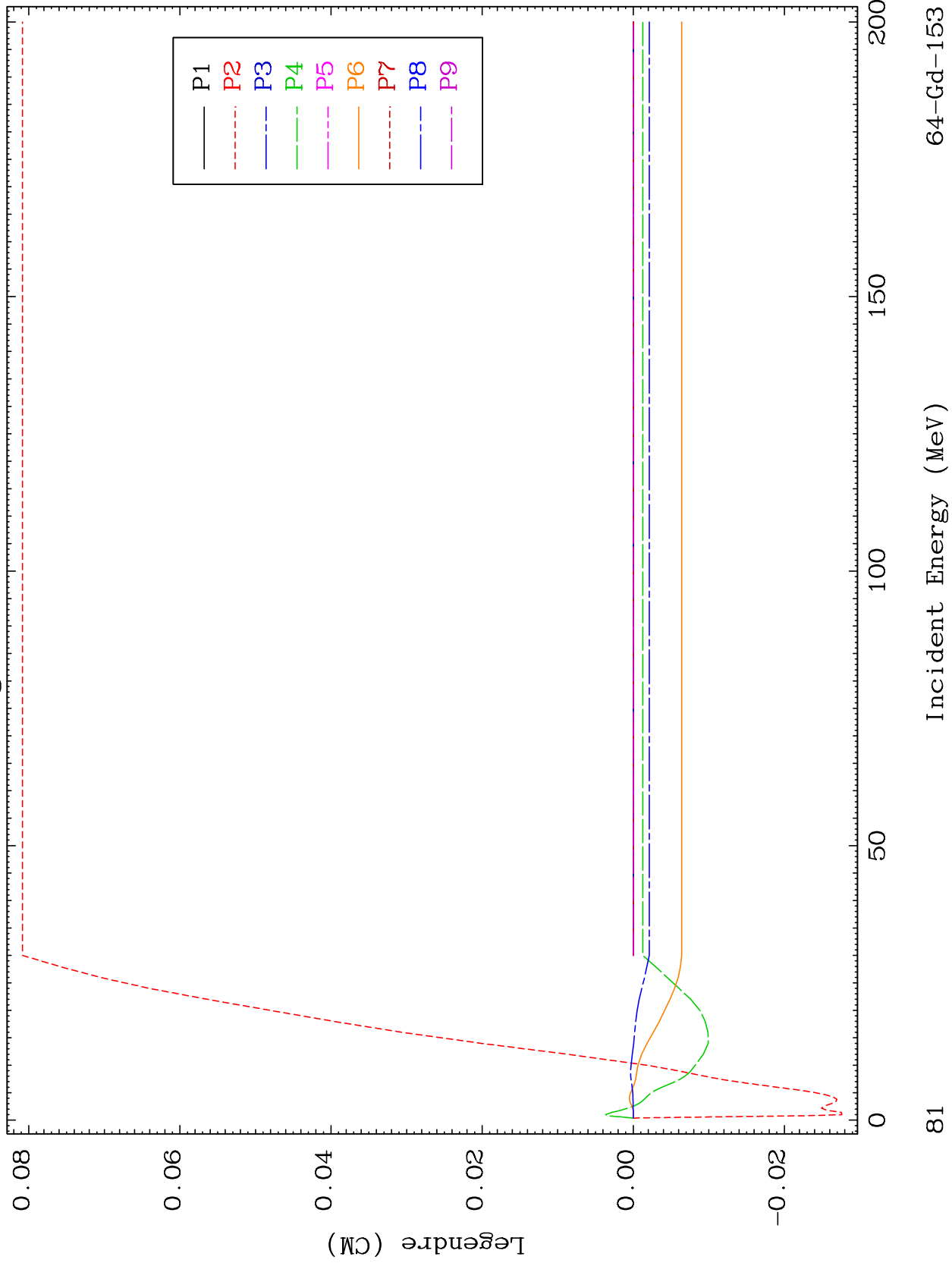
64-Gd-153



MAT 6428

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

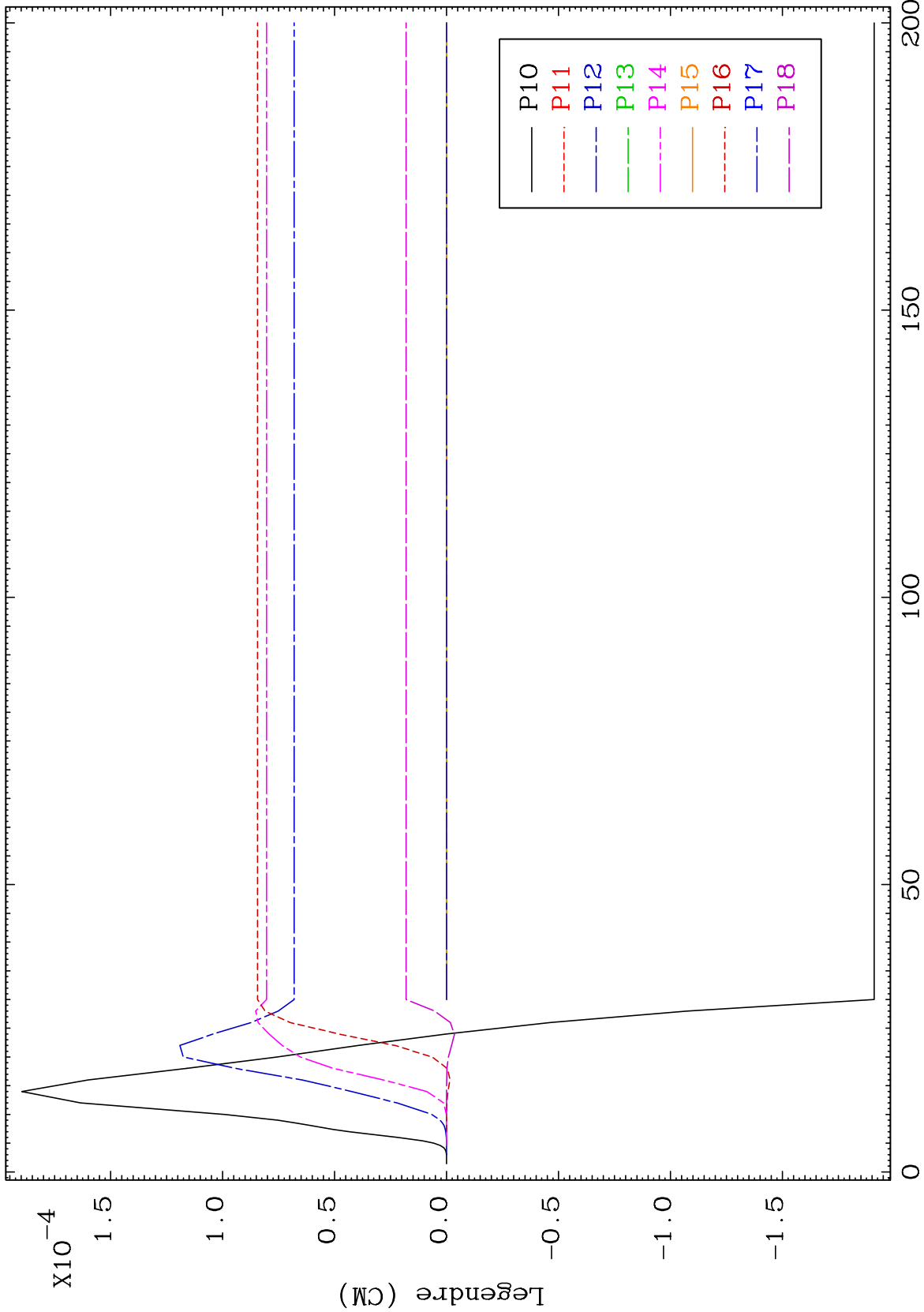
64-Gd-153

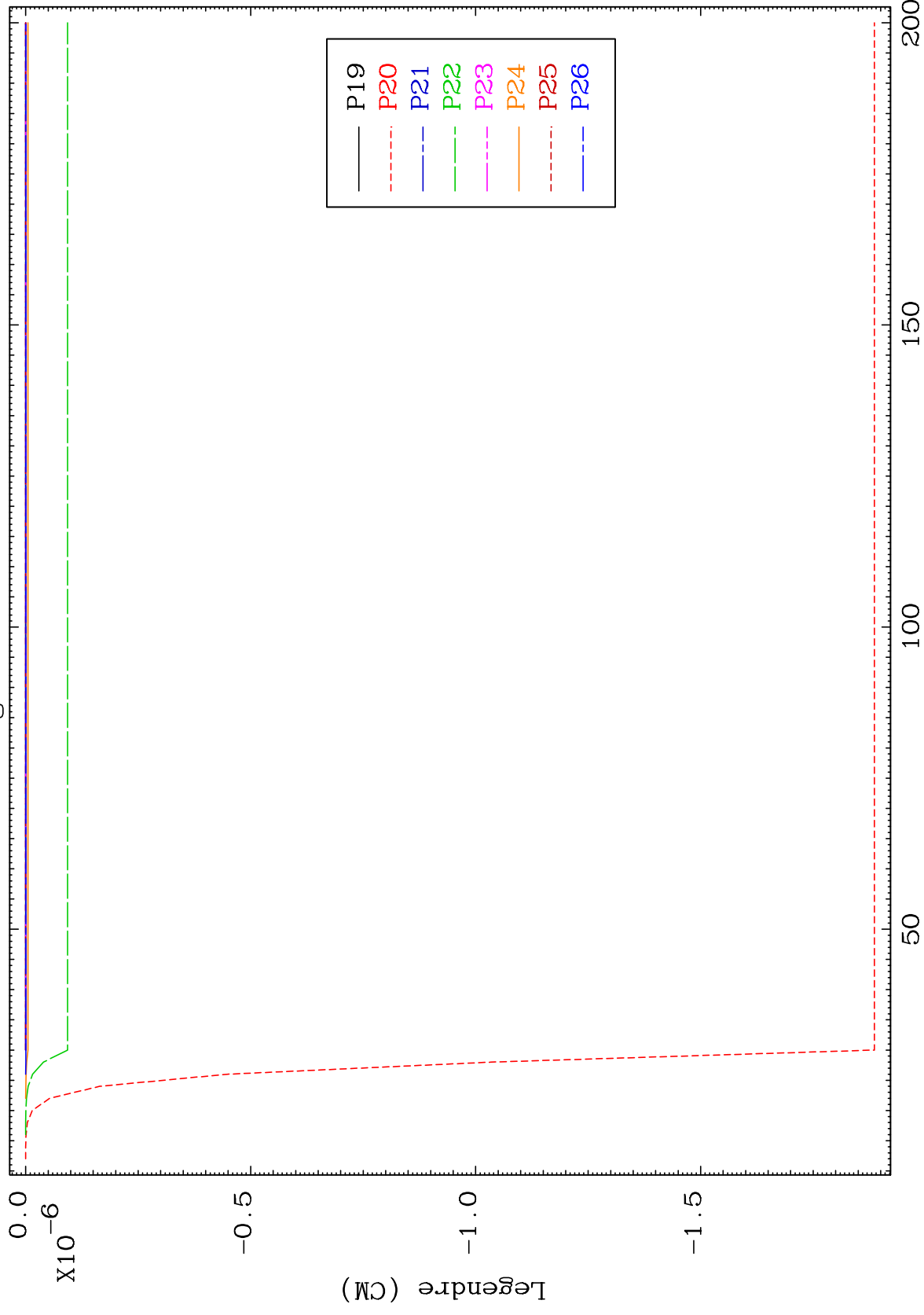


64-Gd-153

Incident Energy (MeV)

81

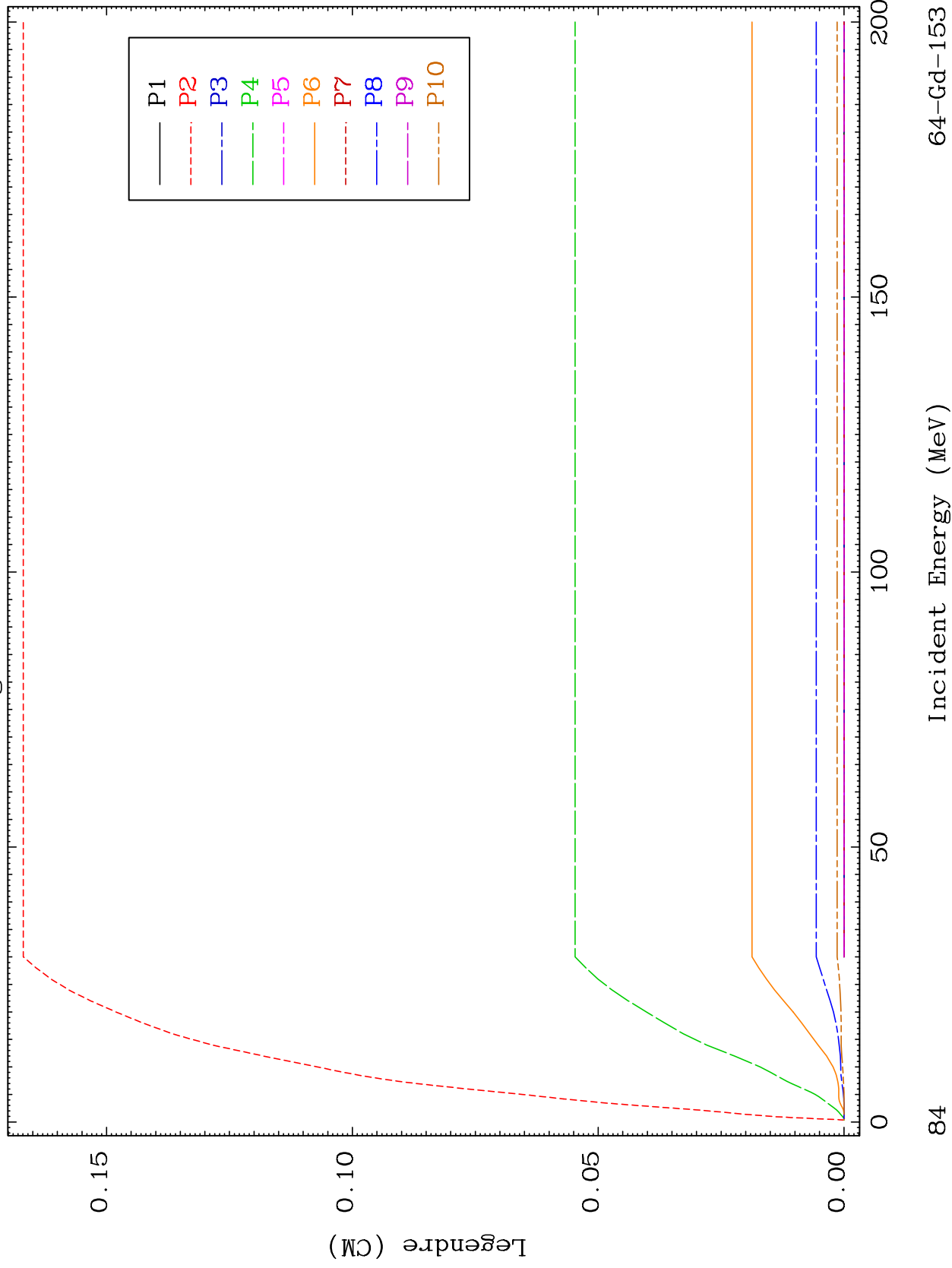




MAT 6428

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

64-Gd-153



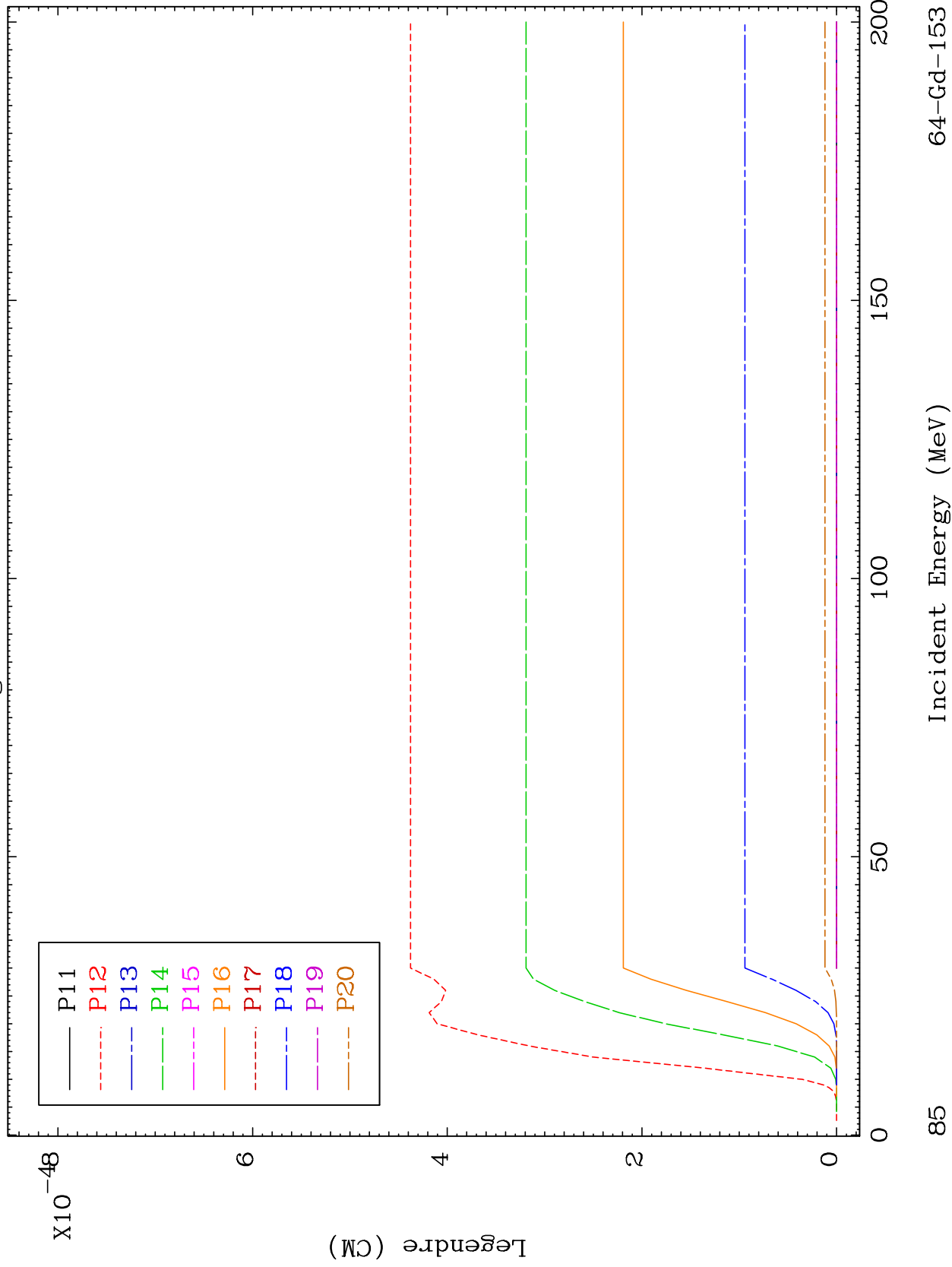
84

64-Gd-153

MAT 6428

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

64-Gd-153



85

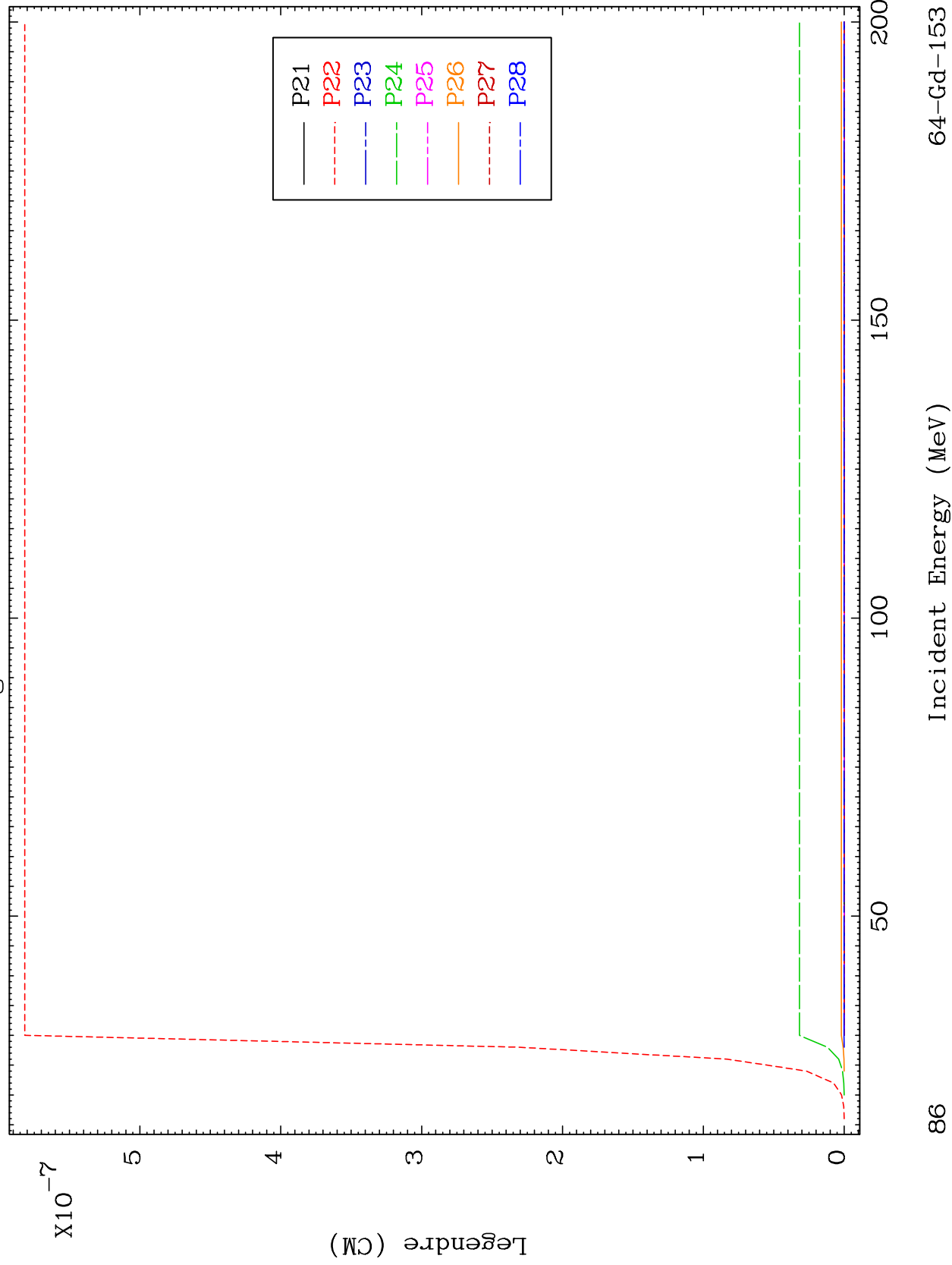
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

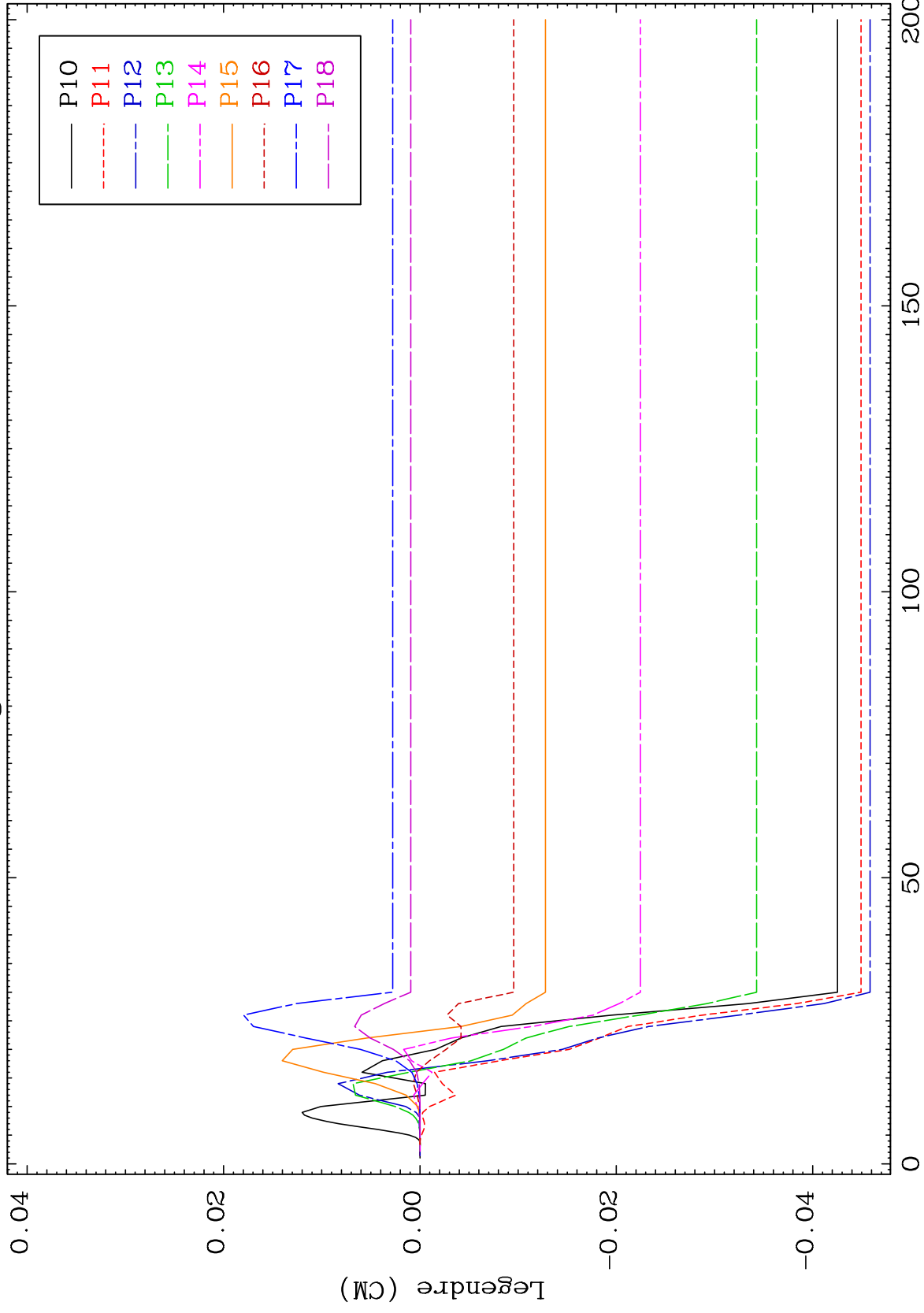
64-Gd-153



MAT 6428

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

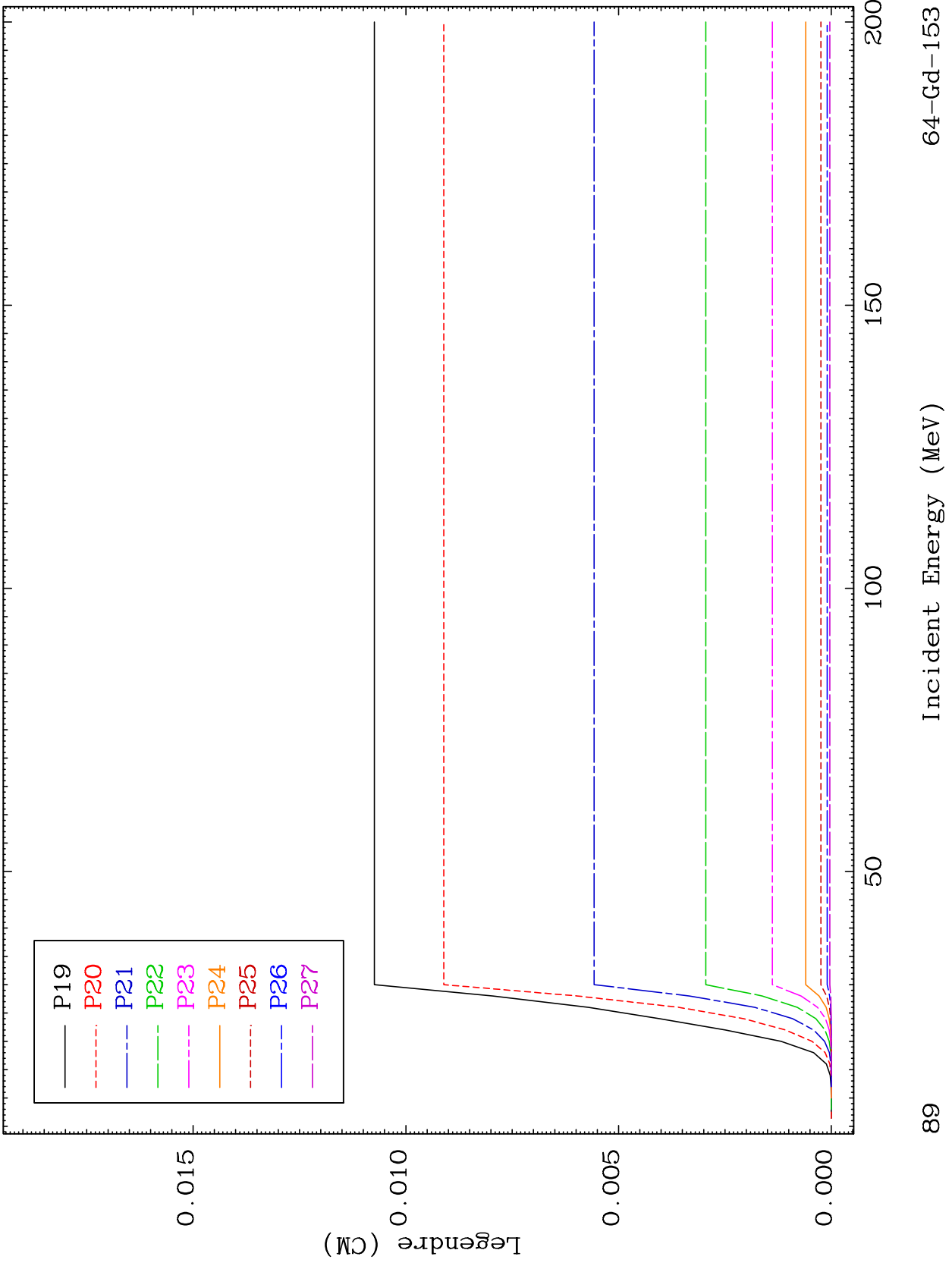
64-Gd-153



88

Incident Energy (MeV)

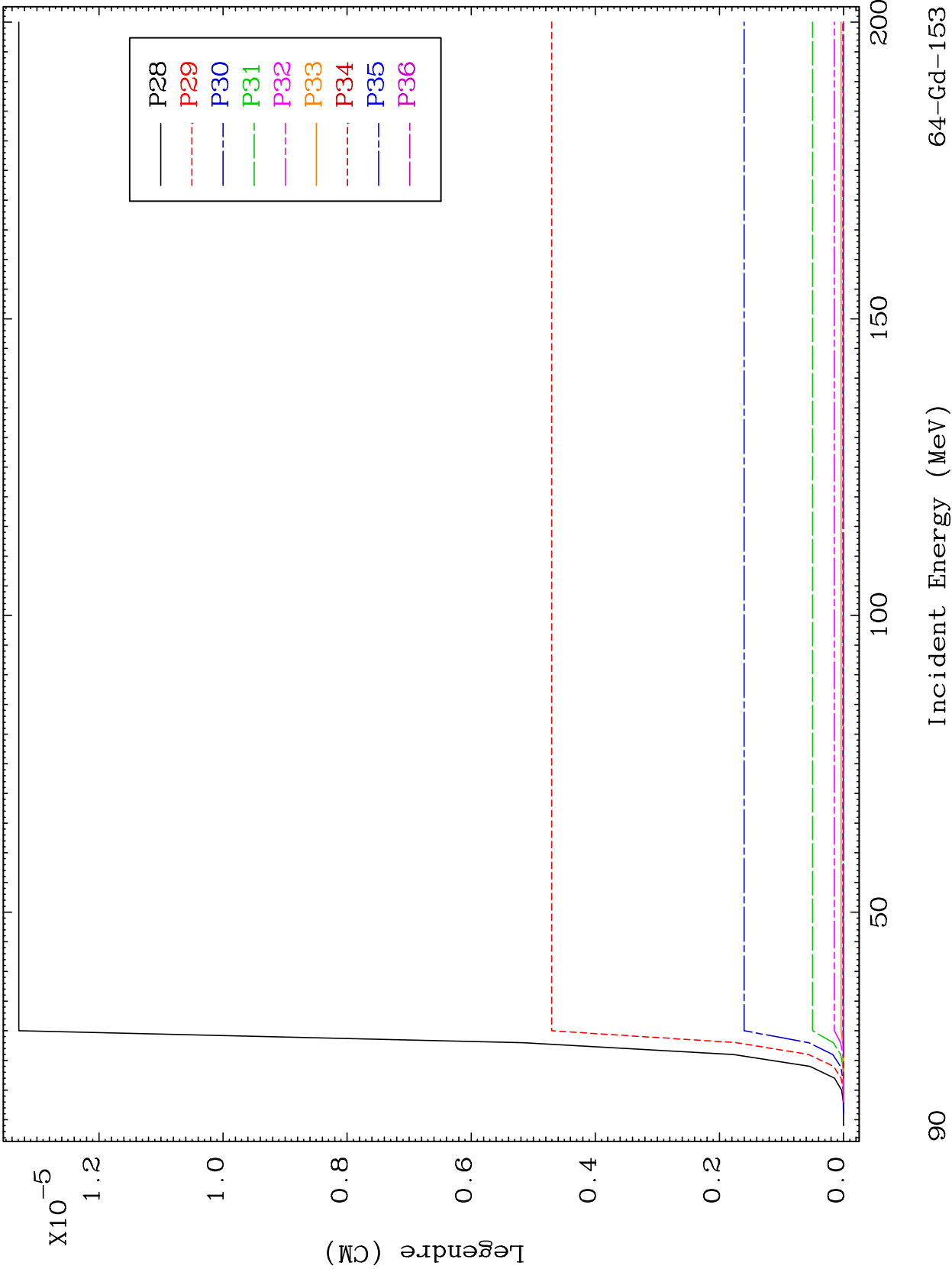
64-Gd-153



MAT 6428

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

64-Gd-153



64-Gd-153

Incident Energy (MeV)

90

MAT 6428

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

64-Gd-153



64-Gd-153

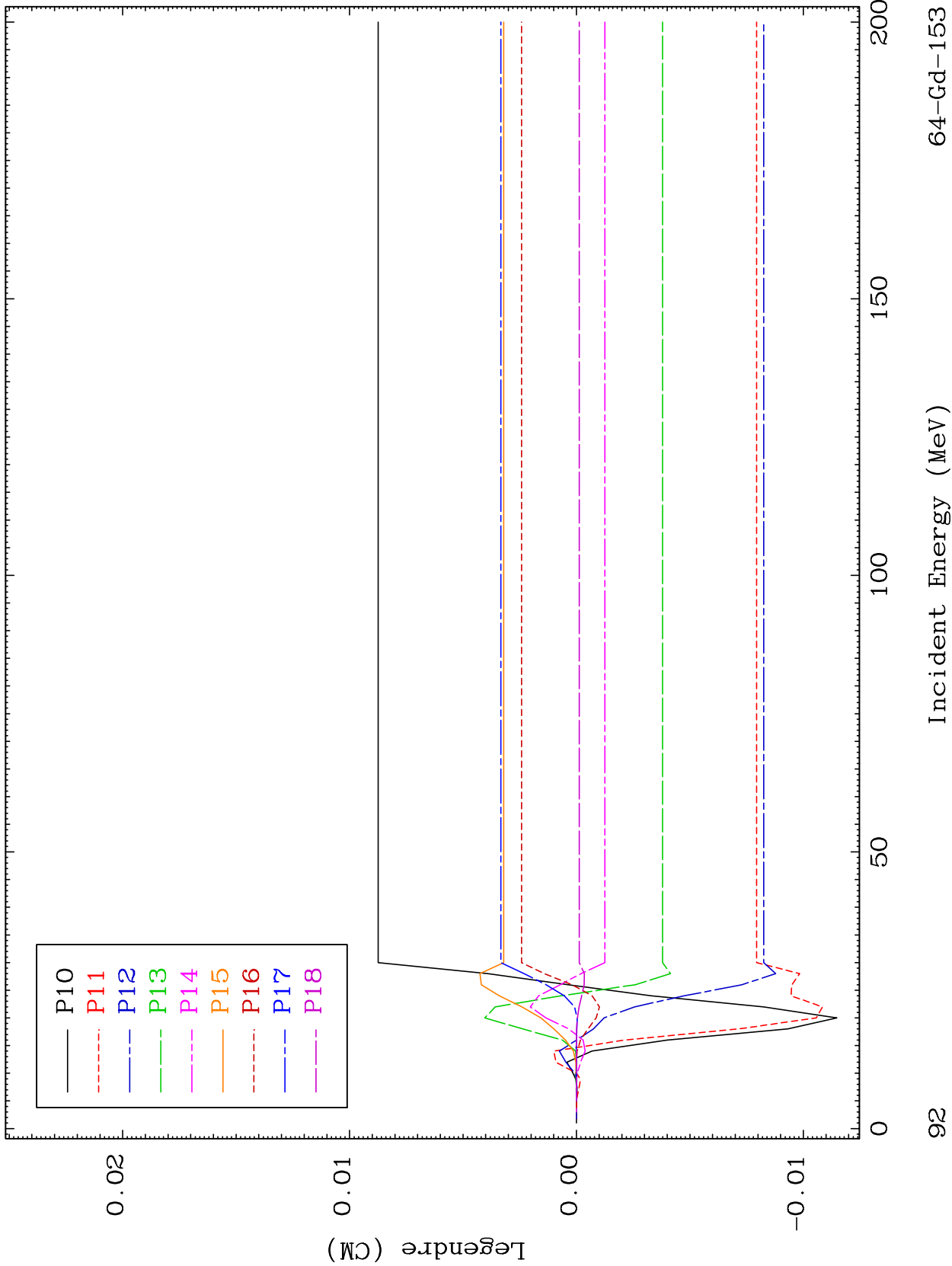
Incident Energy (MeV)

91

MAT 6428

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

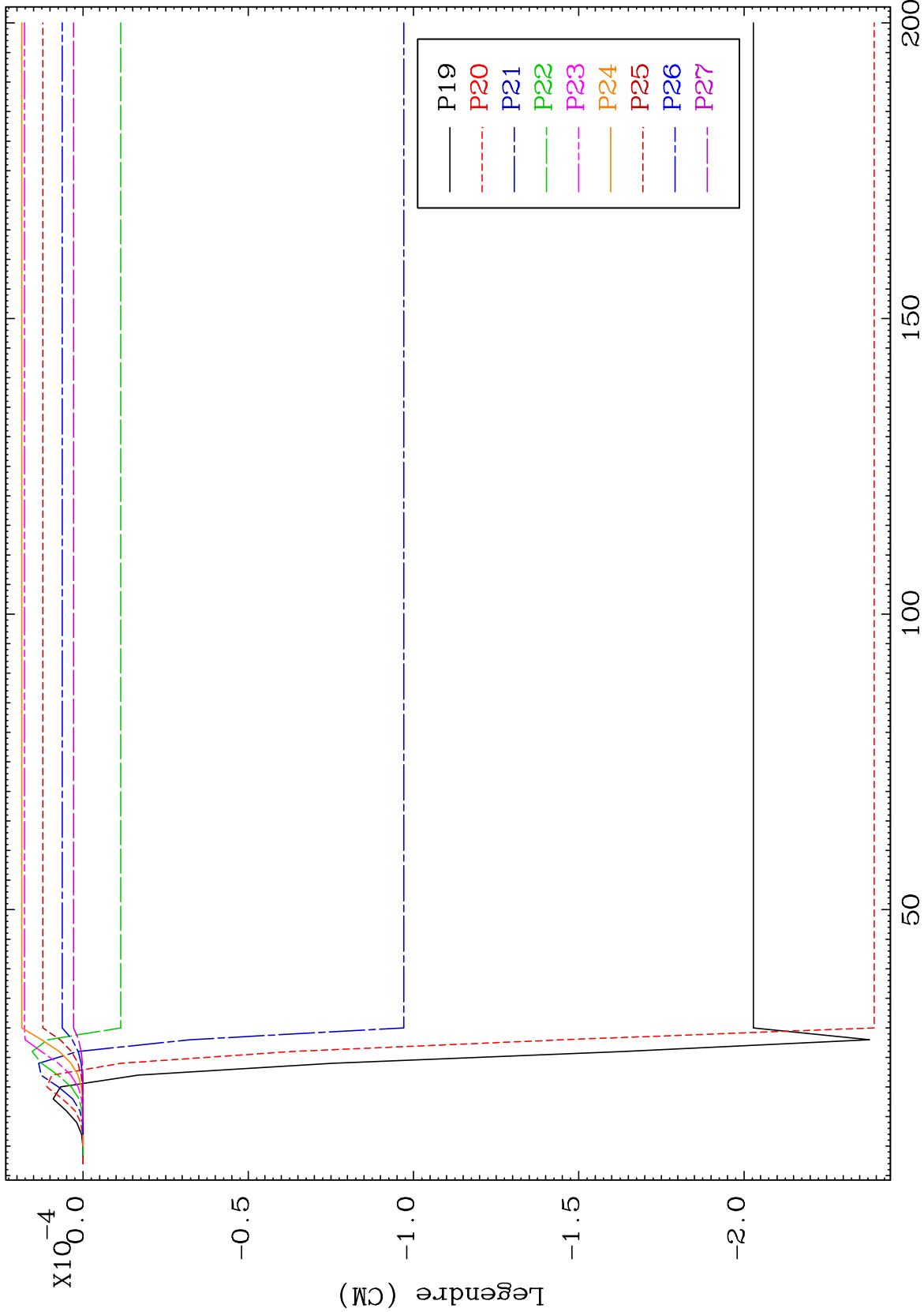
64-Gd-153

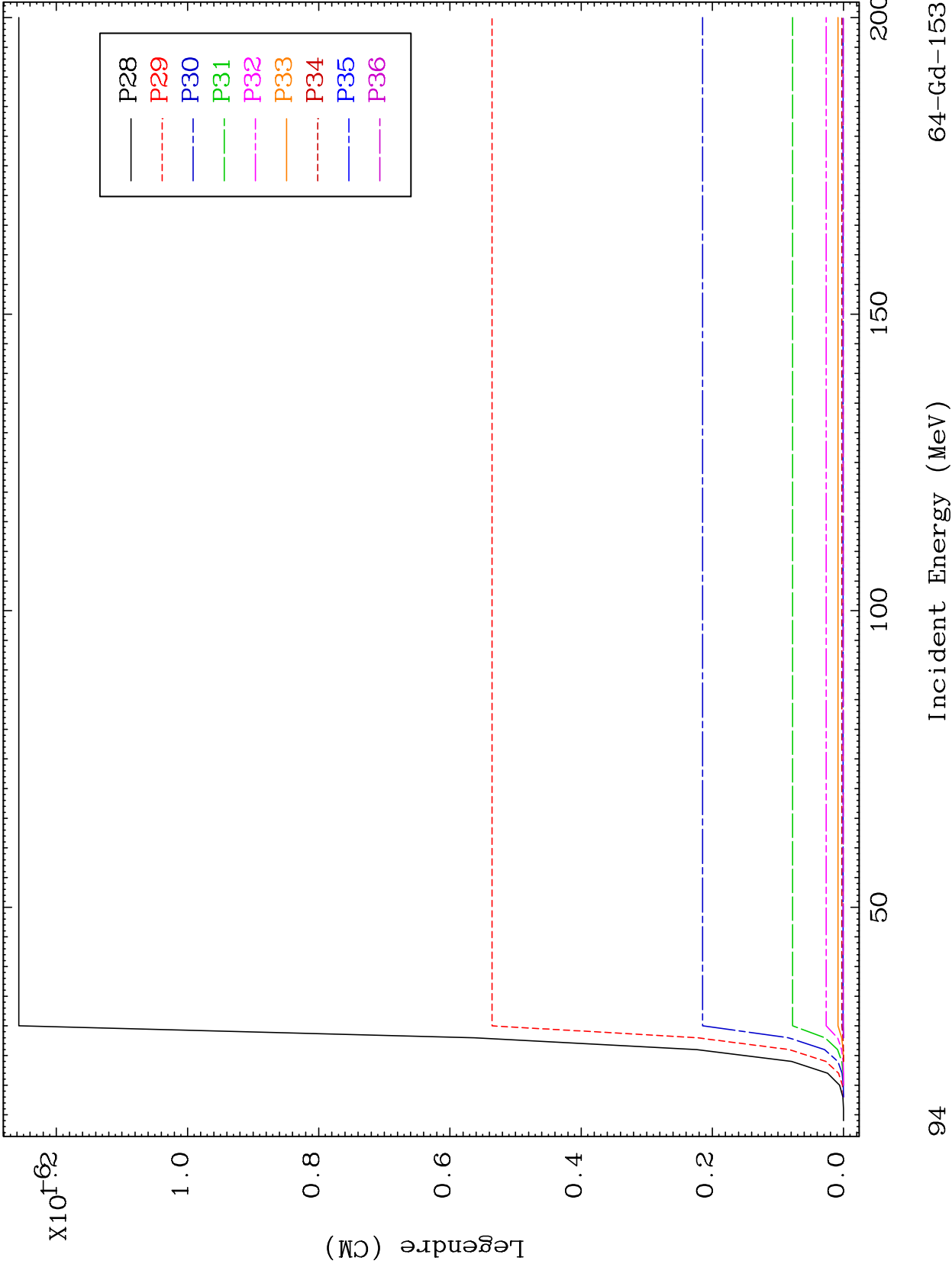


64-Gd-153

Incident Energy (MeV)

92

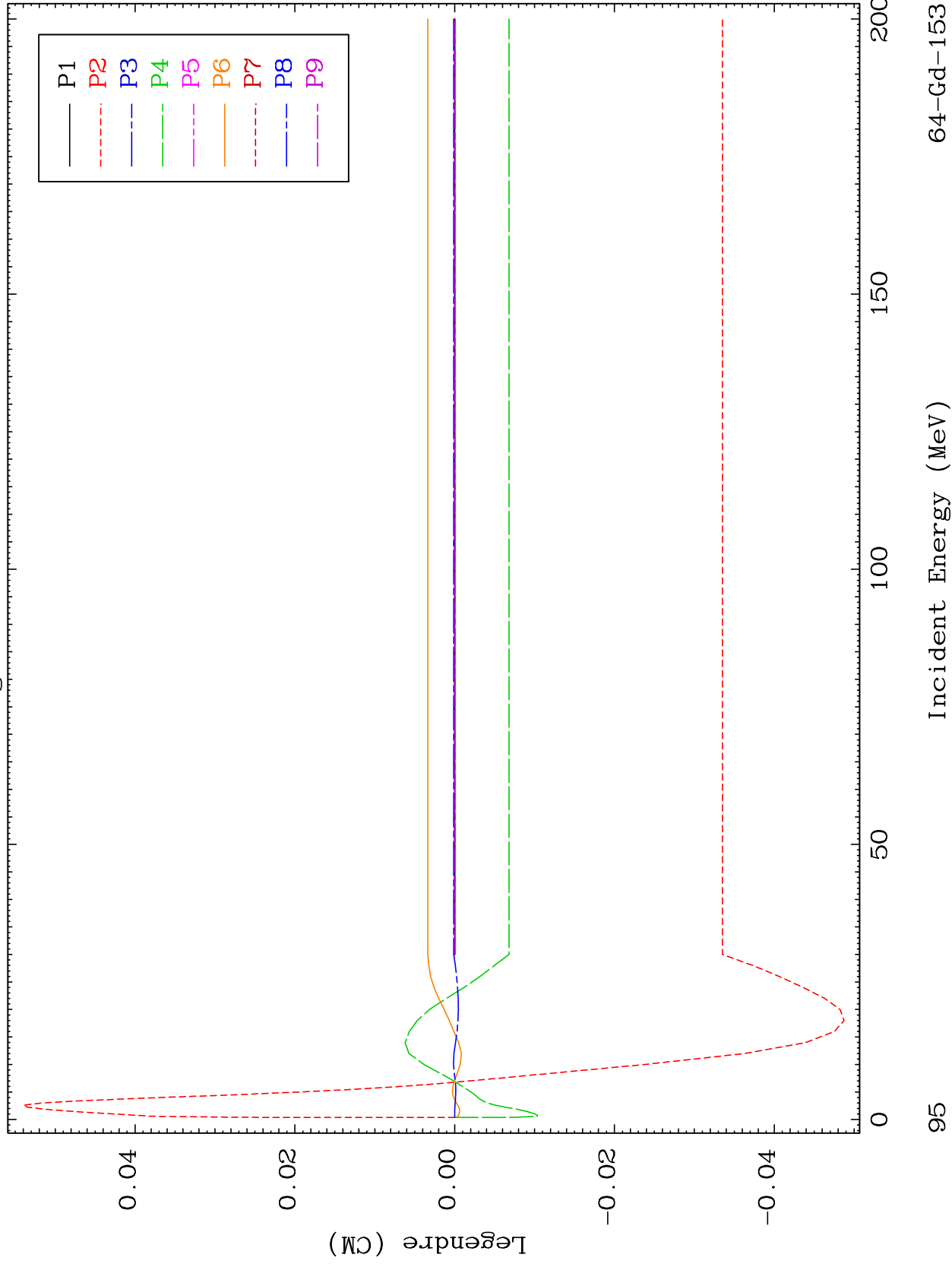




MAT 6428

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

64-Gd-153



64-Gd-153

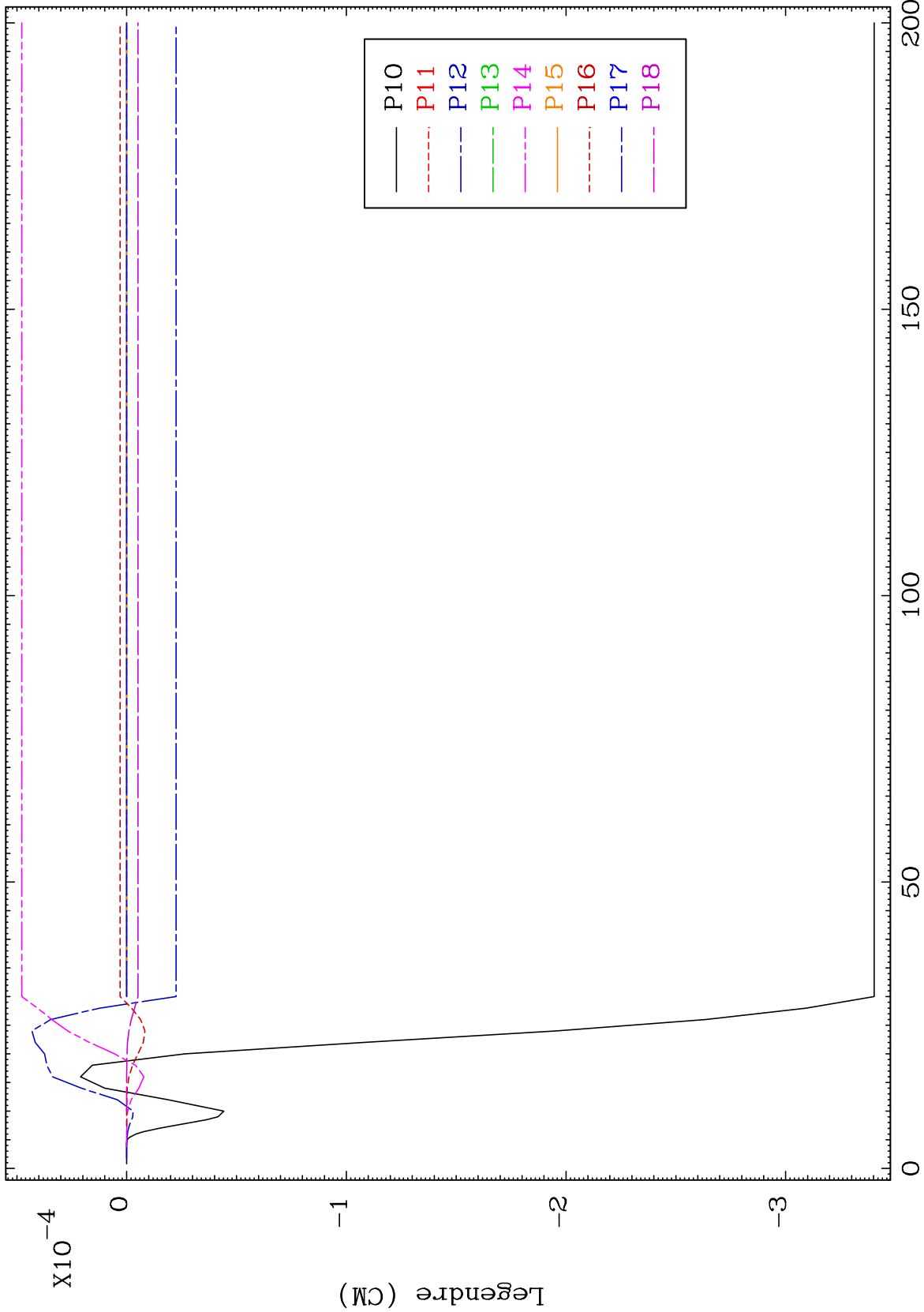
Incident Energy (MeV)

95

MAT 6428

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

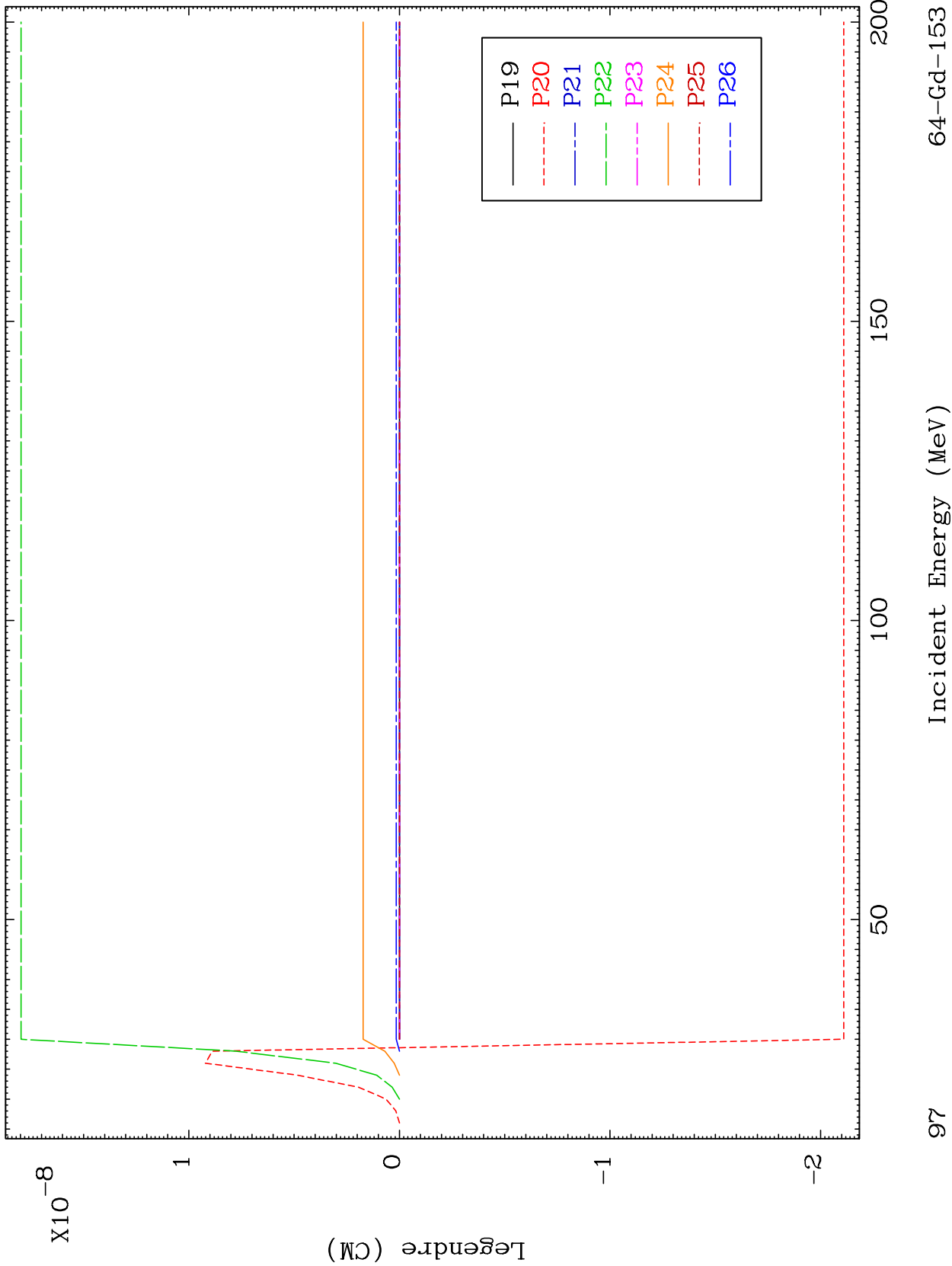
64-Gd-153



96

Incident Energy (MeV)

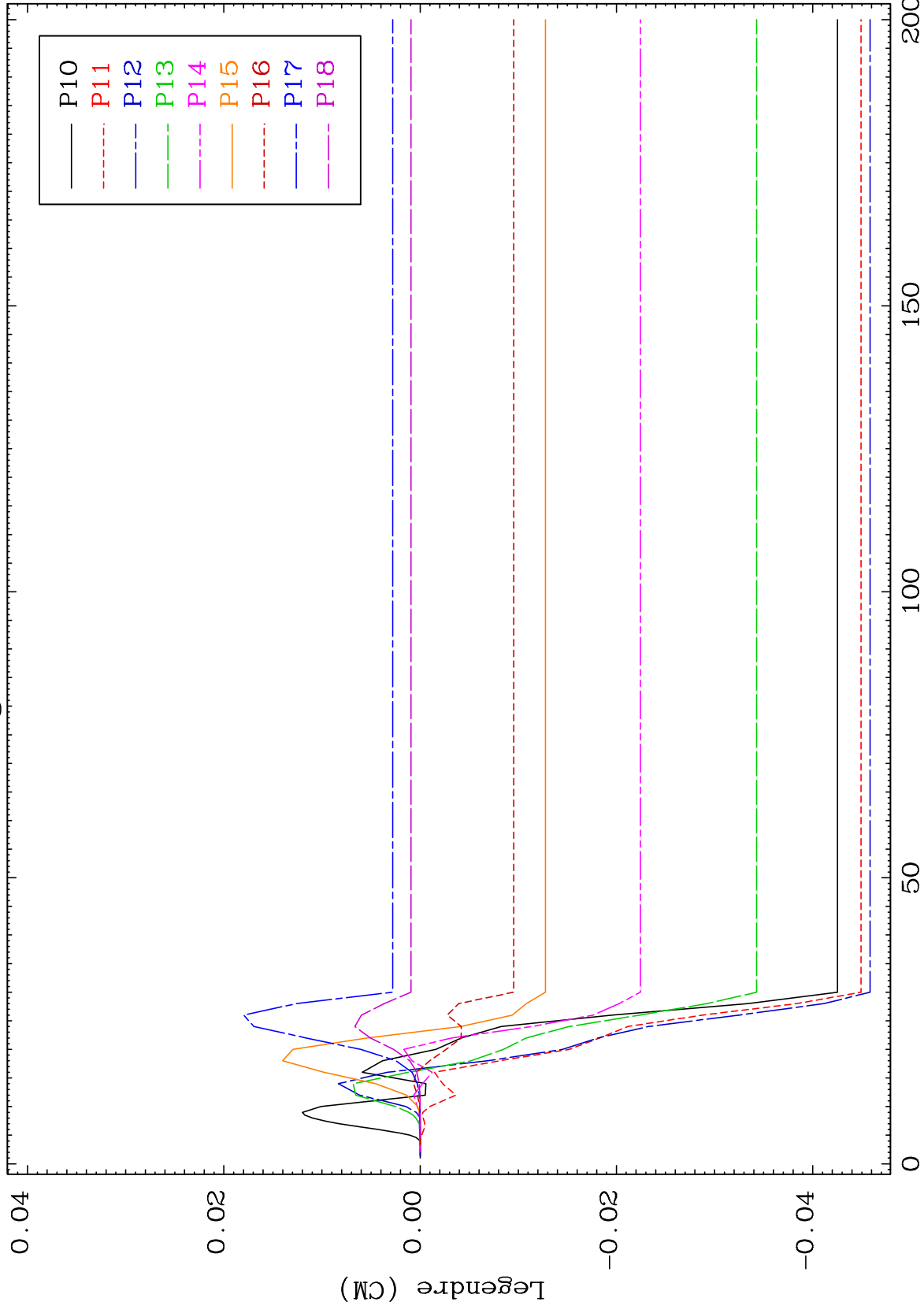
64-Gd-153



MAT 6428

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

64-Gd-153



99

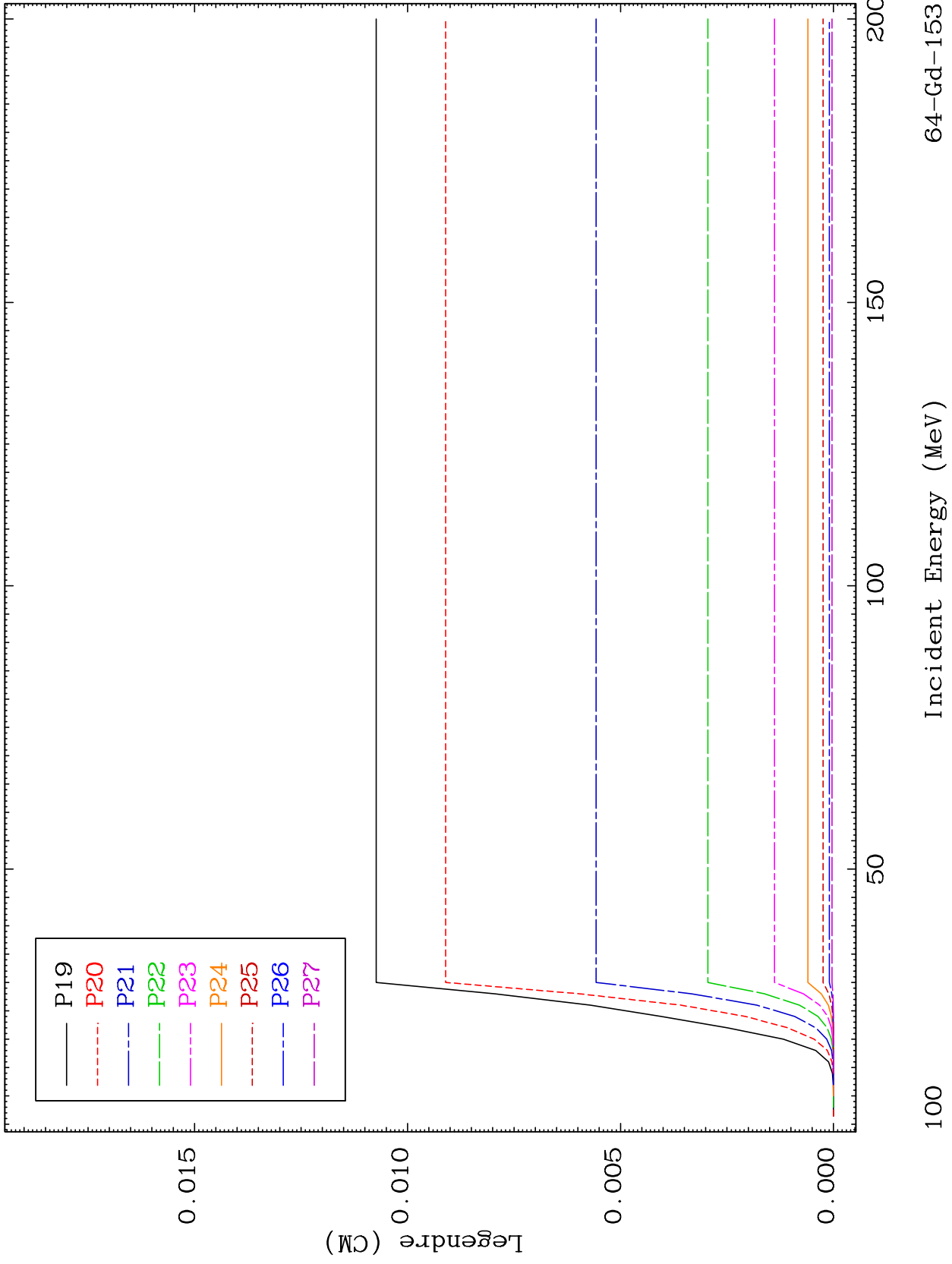
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

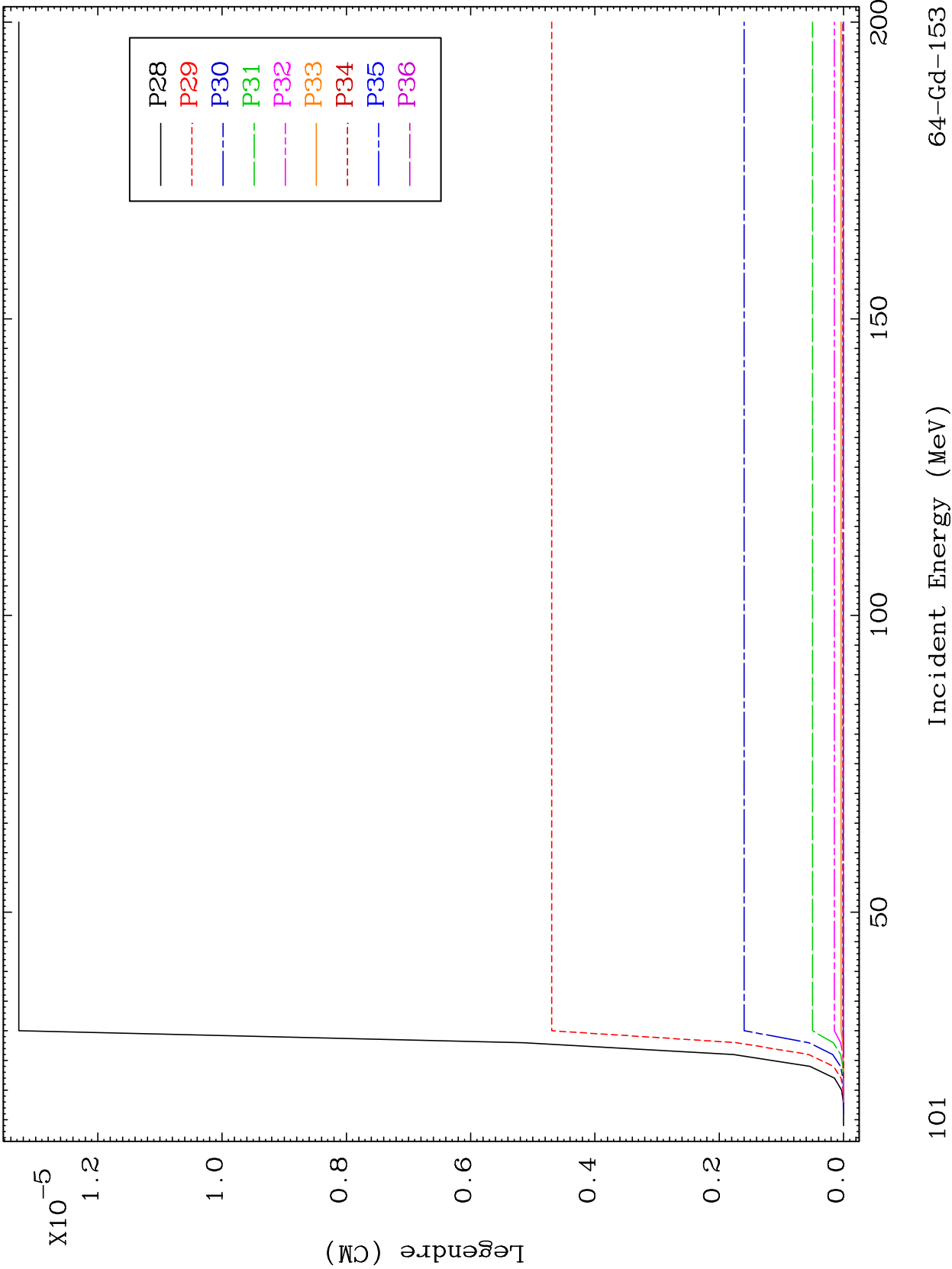
Incident Energy (MeV)

100

MAT 6428

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

64-Gd-153



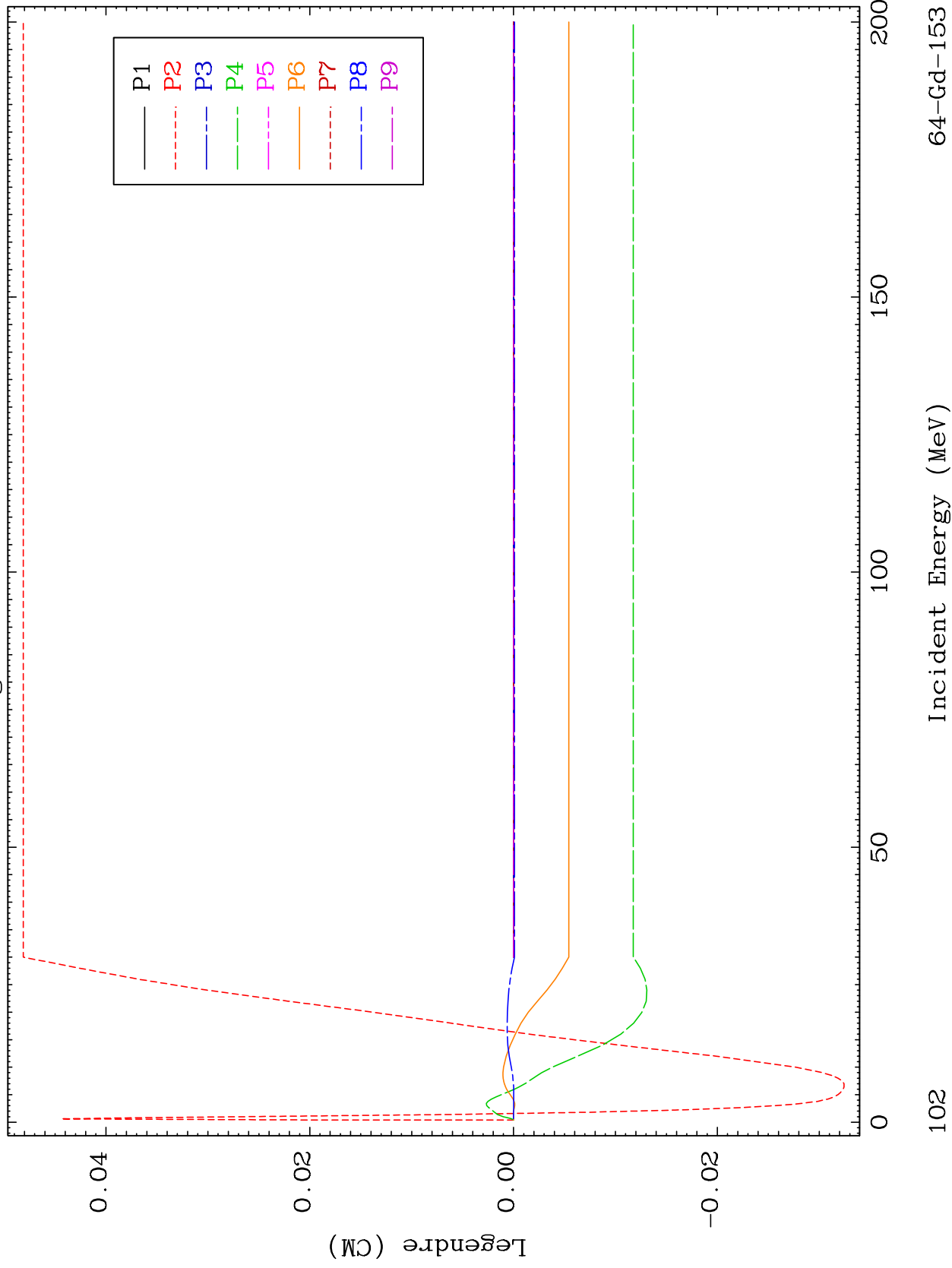
101

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

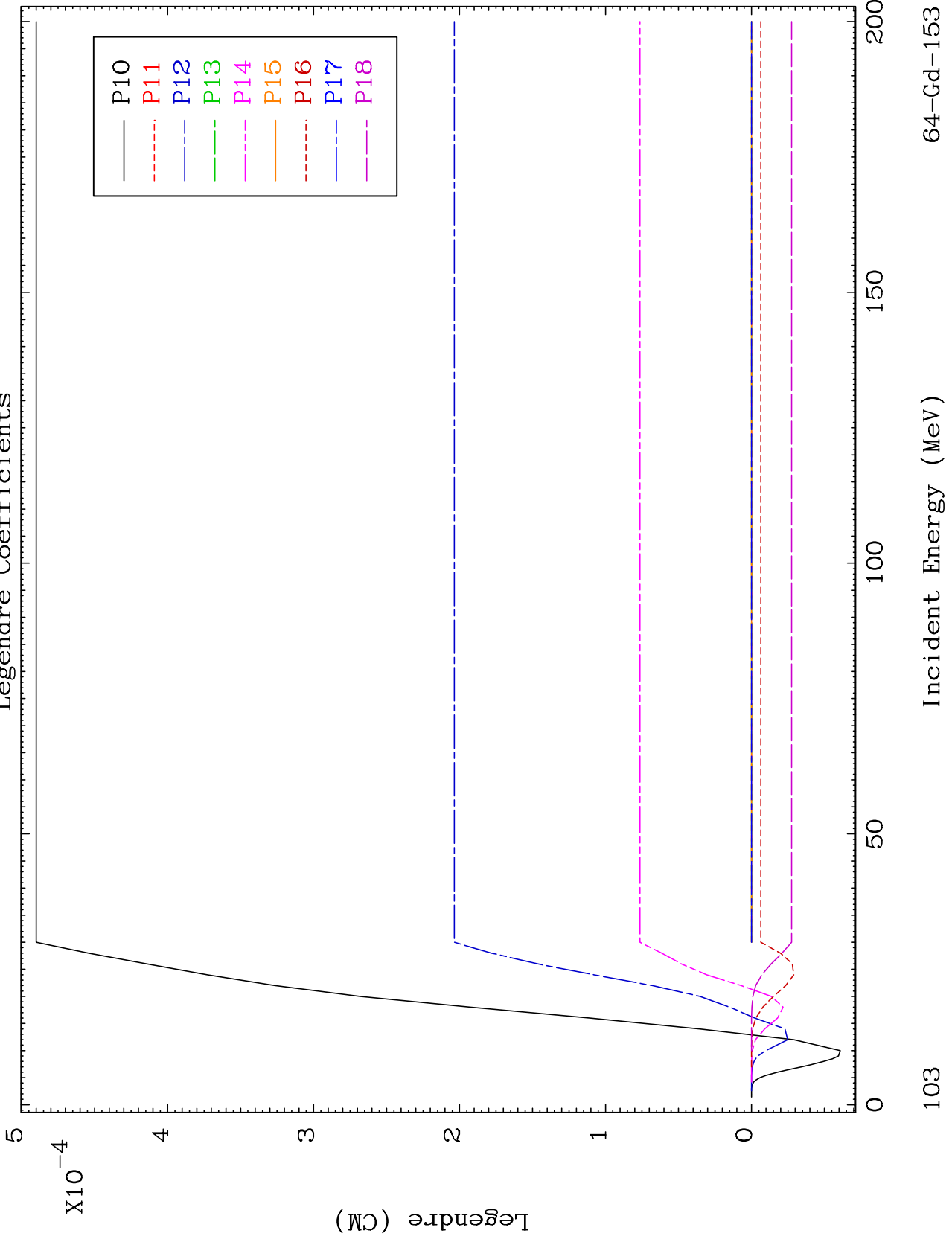
Incident Energy (MeV)

102

MAT 6428

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

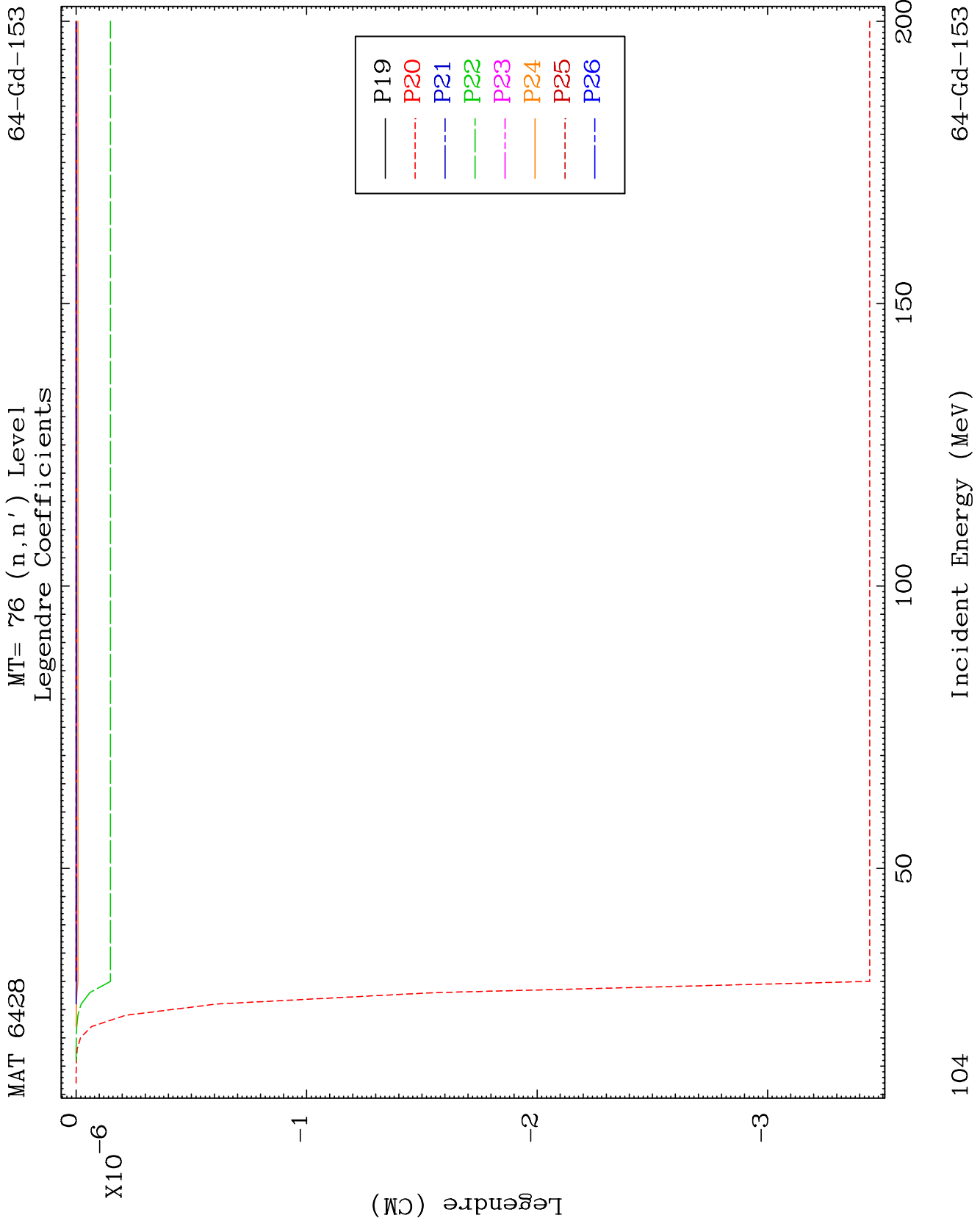
64-Gd-153



64-Gd-153

Incident Energy (MeV)

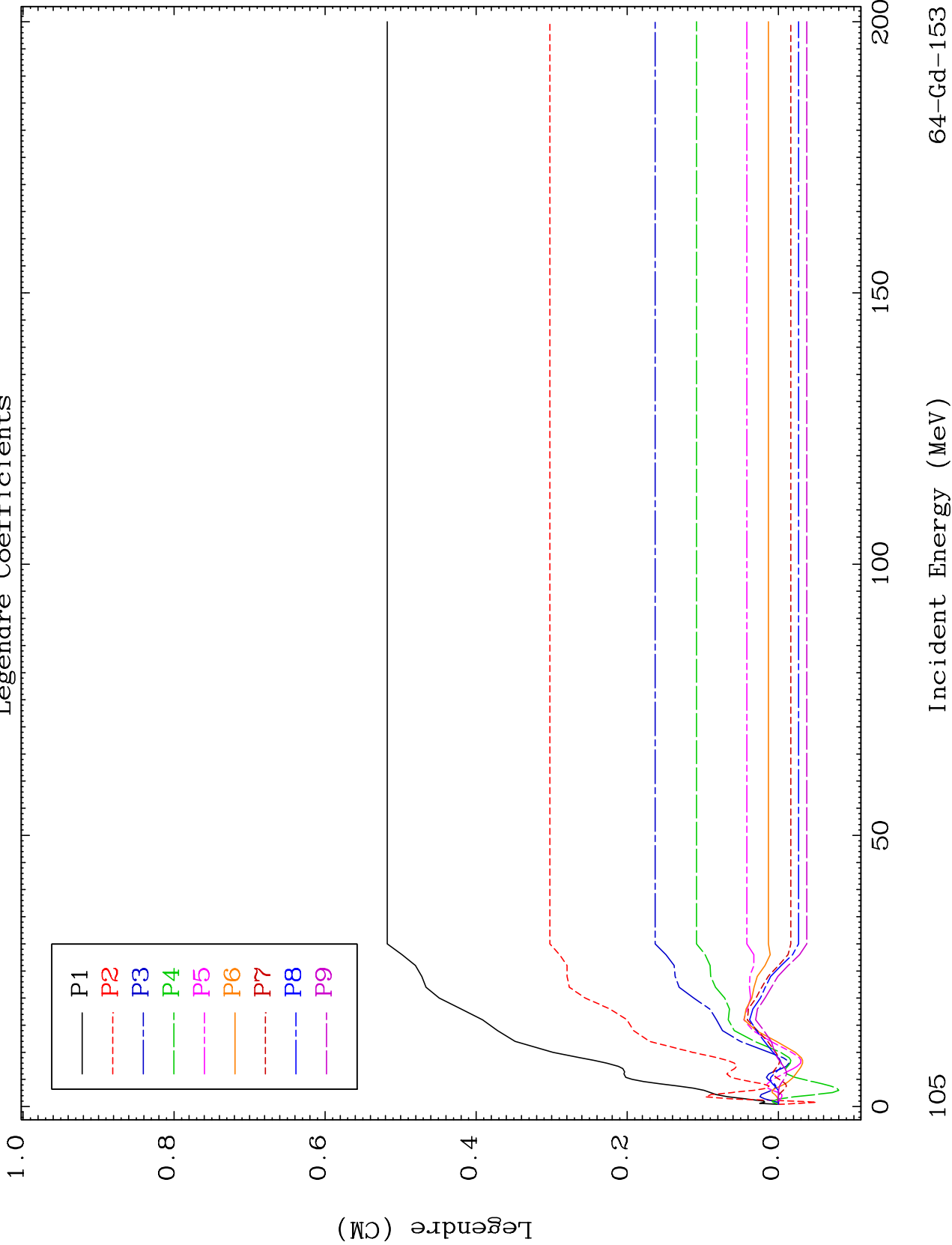
103



MAT 6428

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

64-Gd-153



64-Gd-153

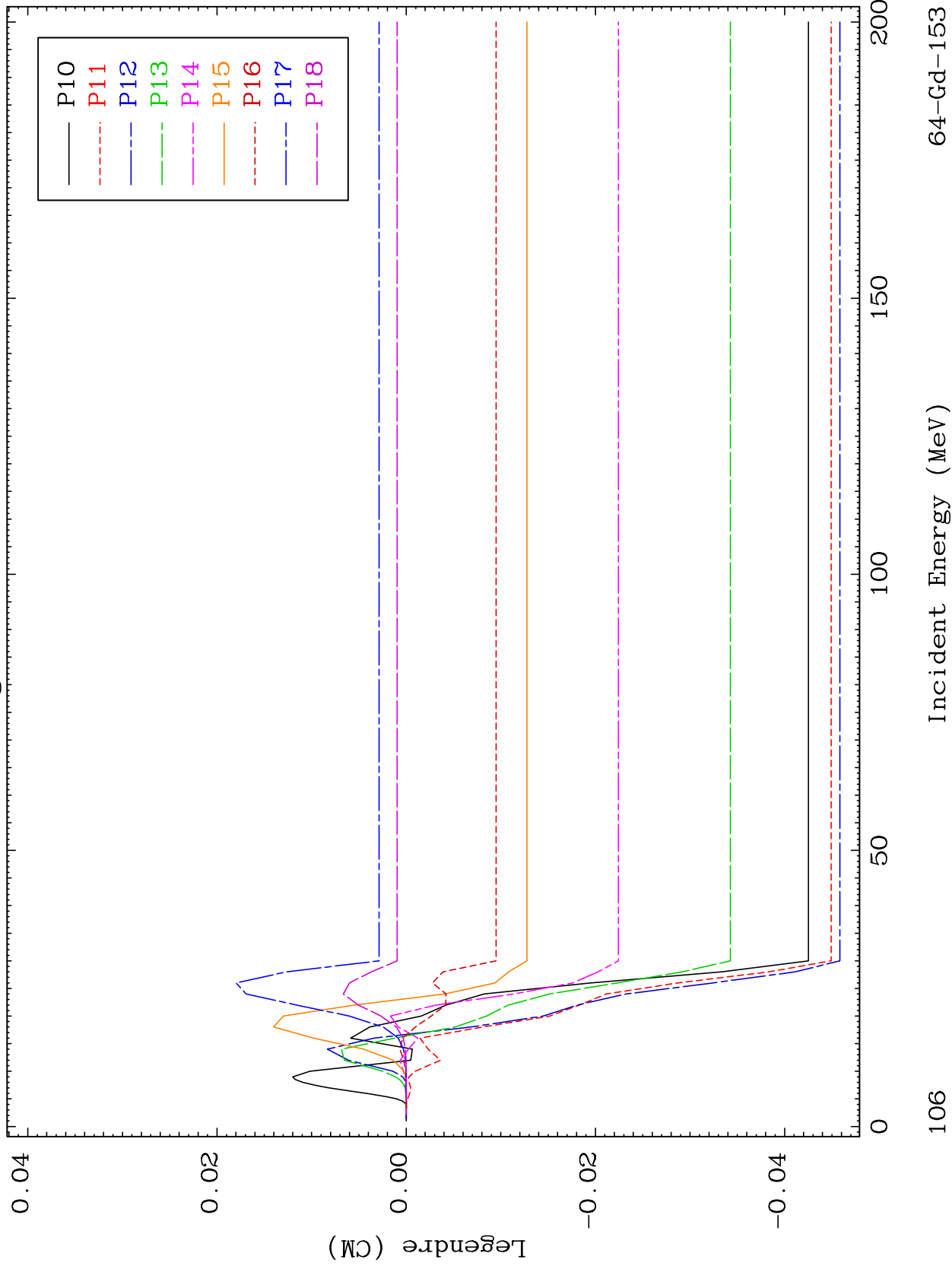
Incident Energy (MeV)

105

MAT 6428

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

64-Gd-153



64-Gd-153

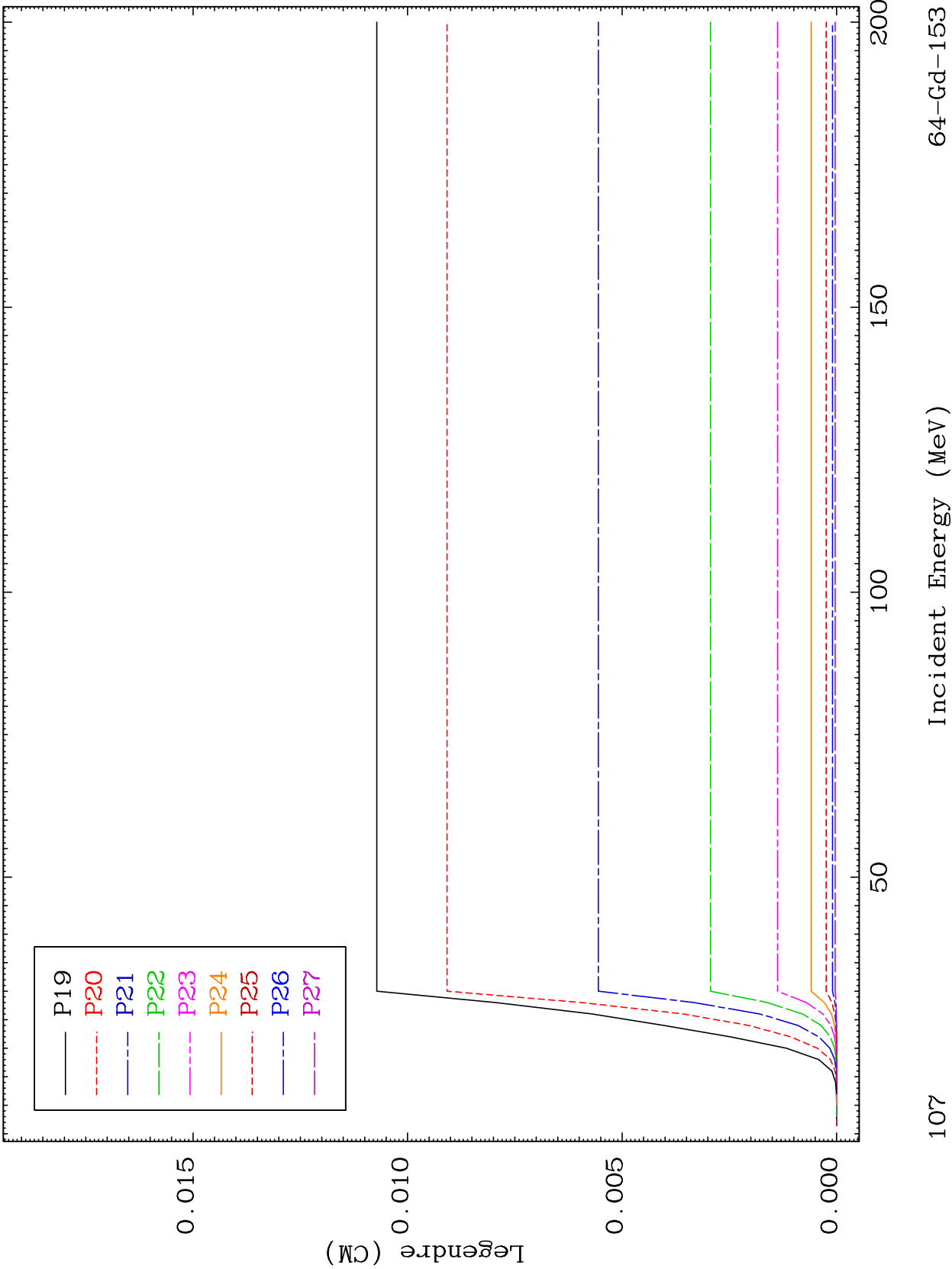
Incident Energy (MeV)

106

MAT 6428

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

64-Gd-153



107

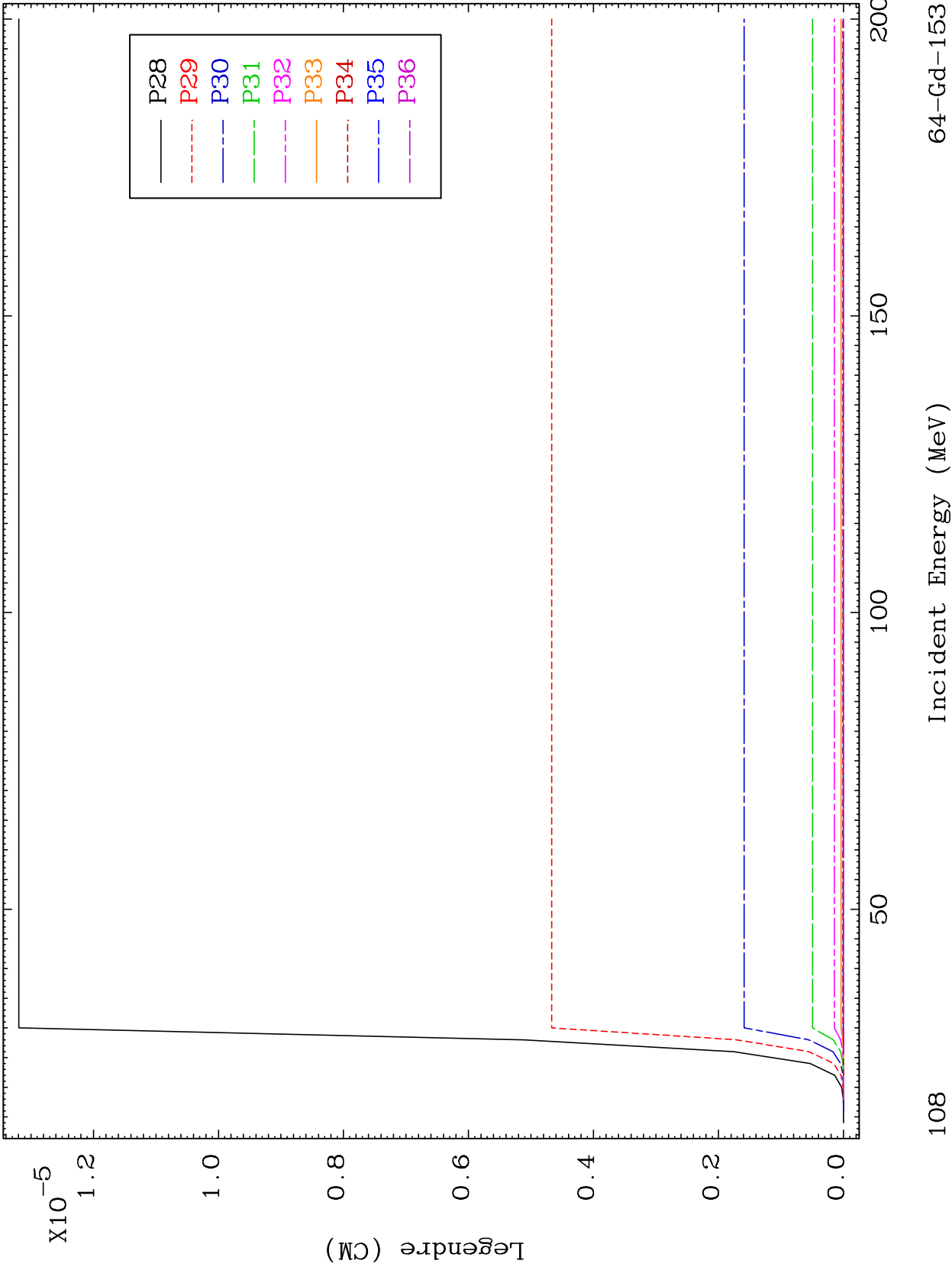
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



108

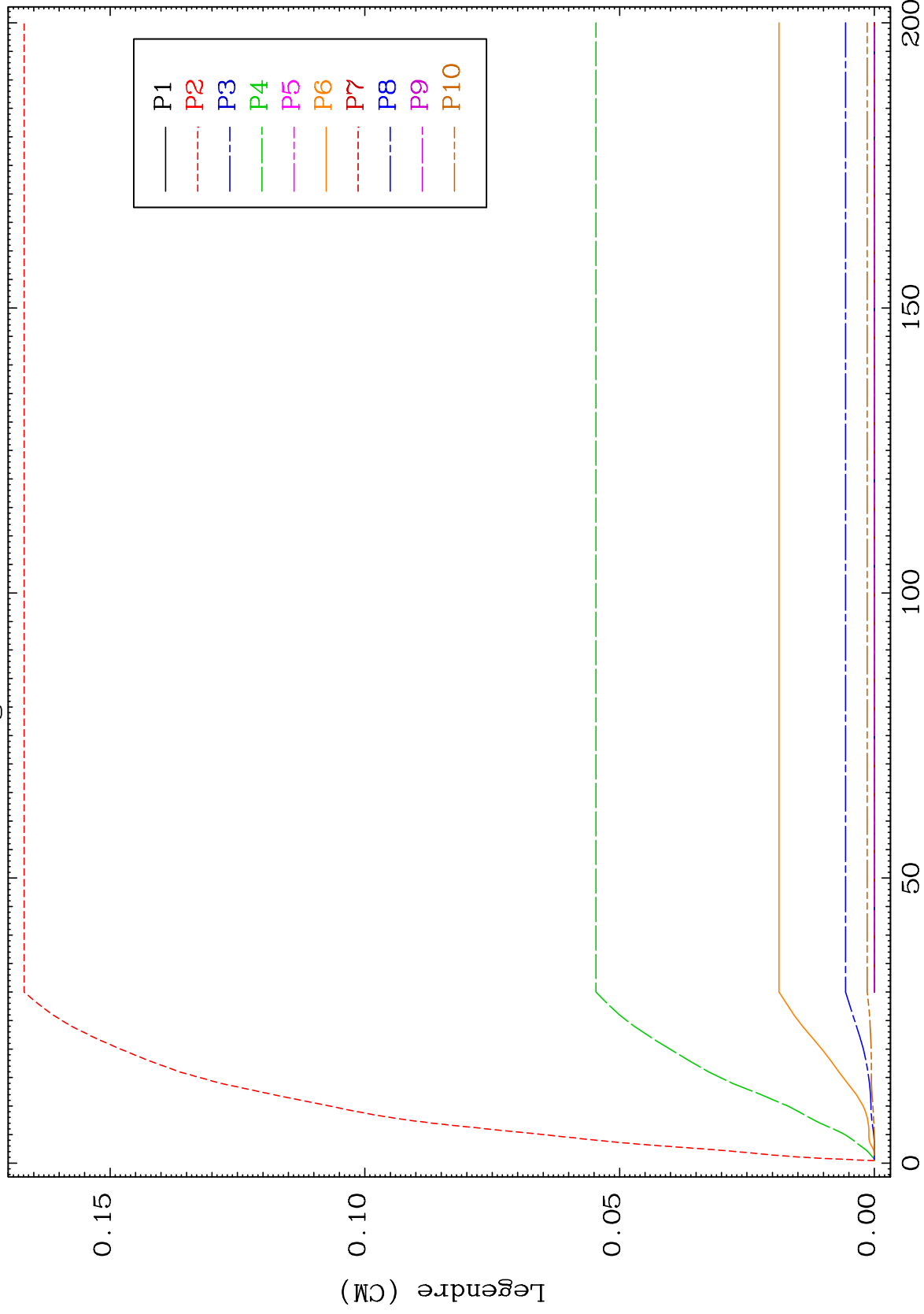
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

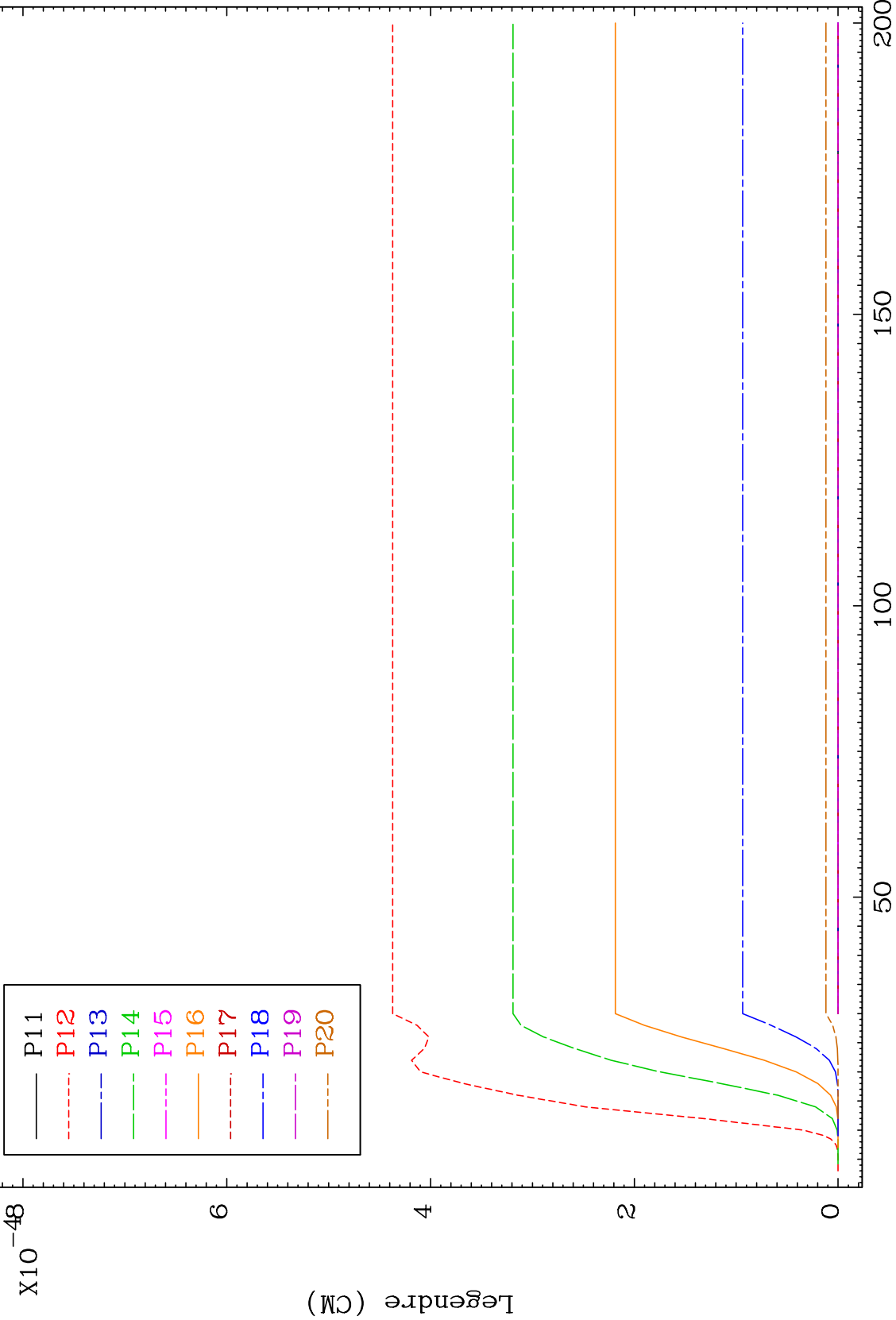
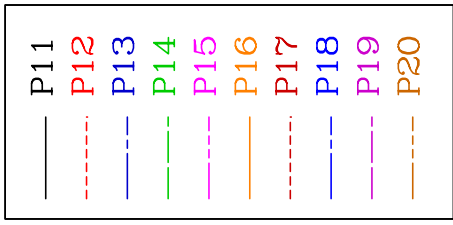
Incident Energy (MeV)

109

MAT 6428

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

64-Gd-153



110

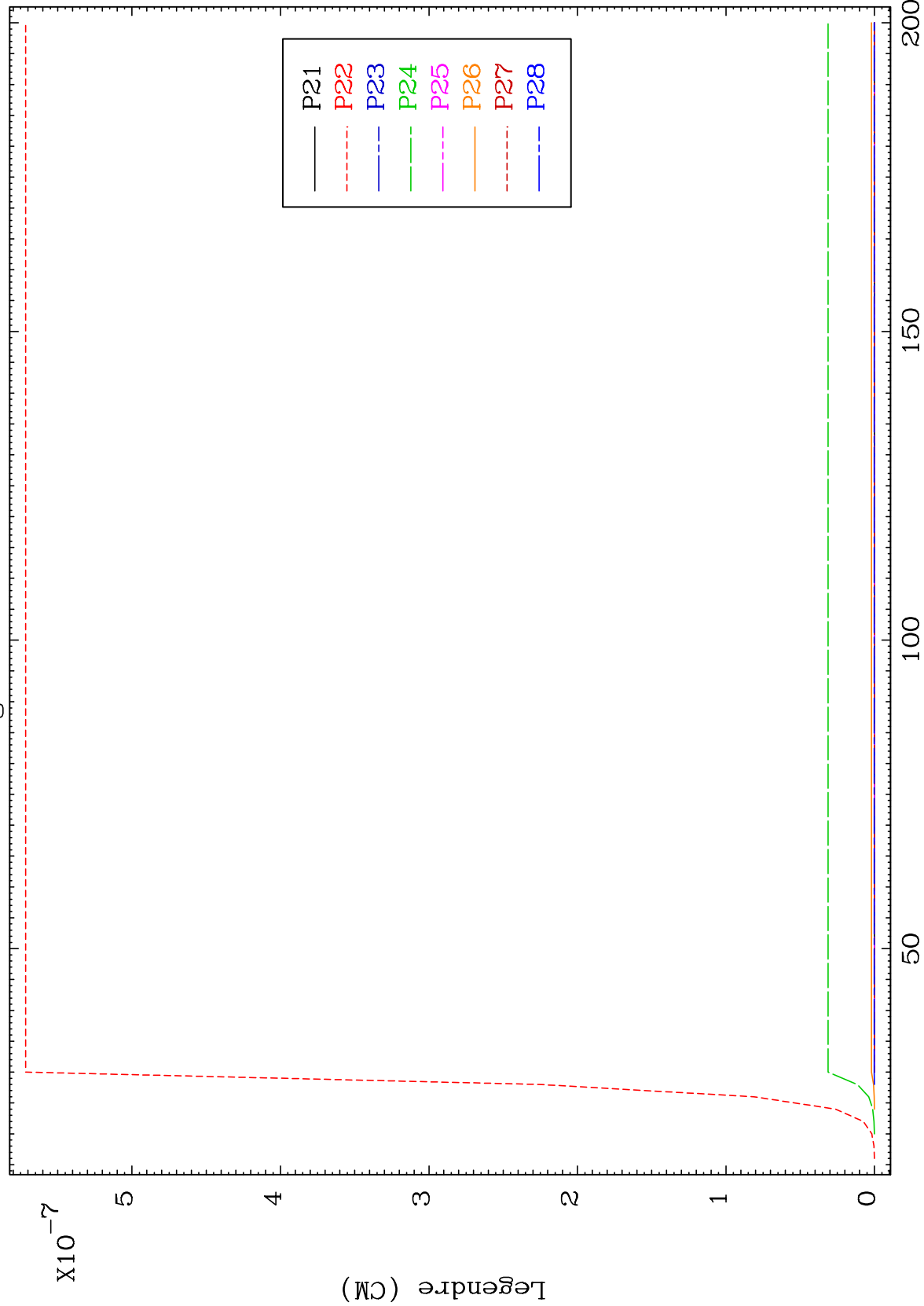
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



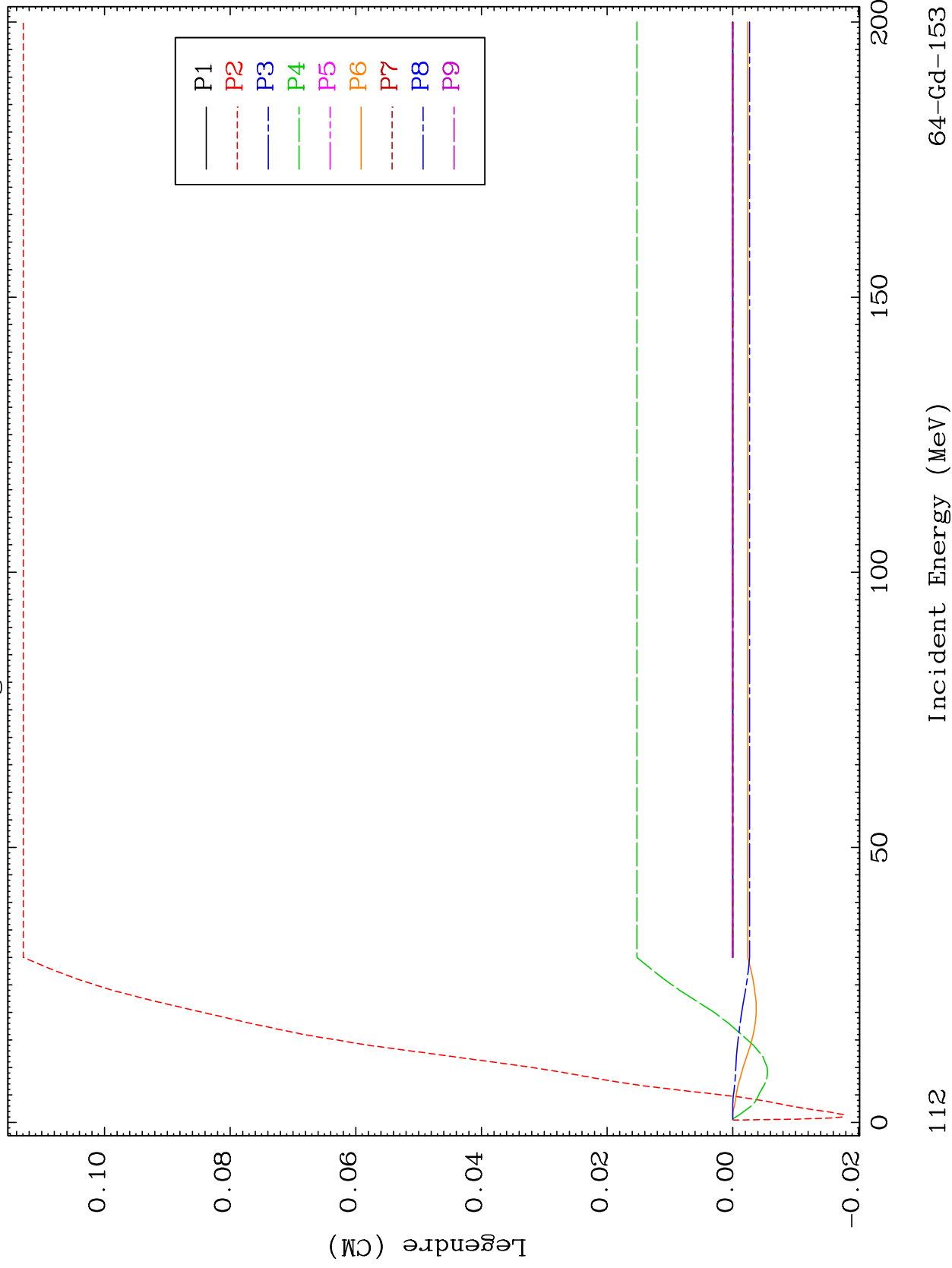
111

64-Gd-153

MAT 6428

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

64-Gd-153



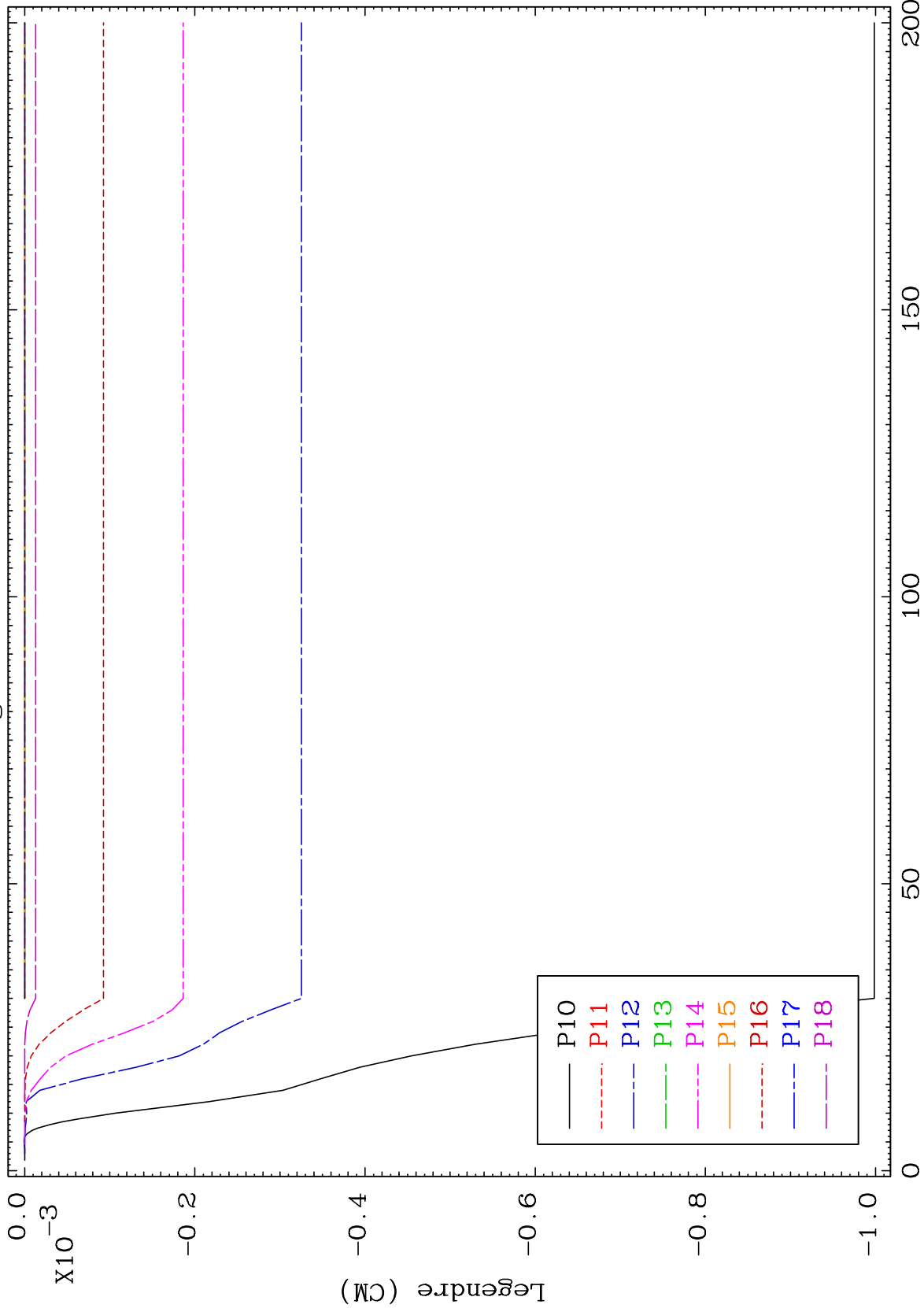
112

64-Gd-153

MAT 6428

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

64-Gd-153



113

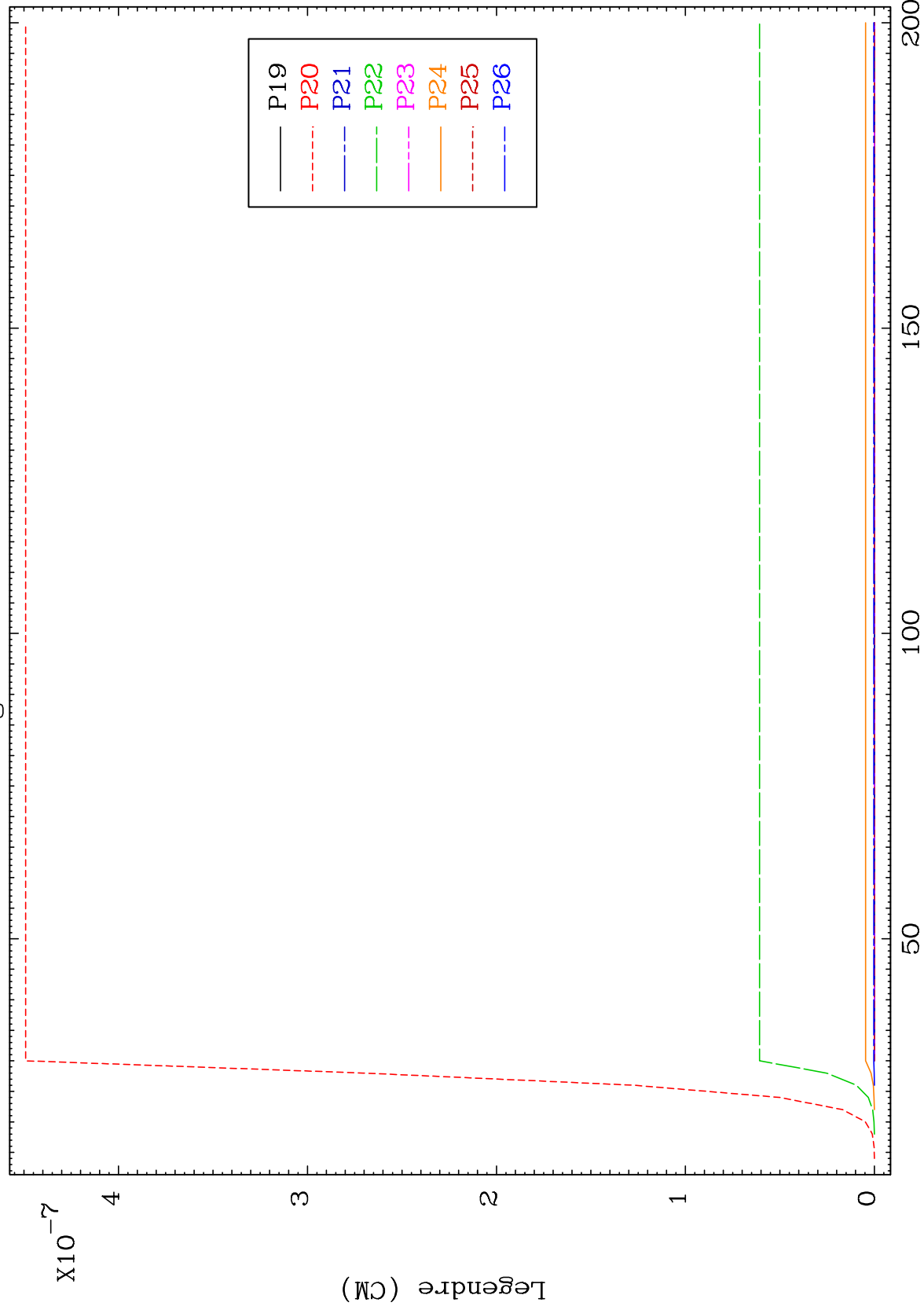
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



114

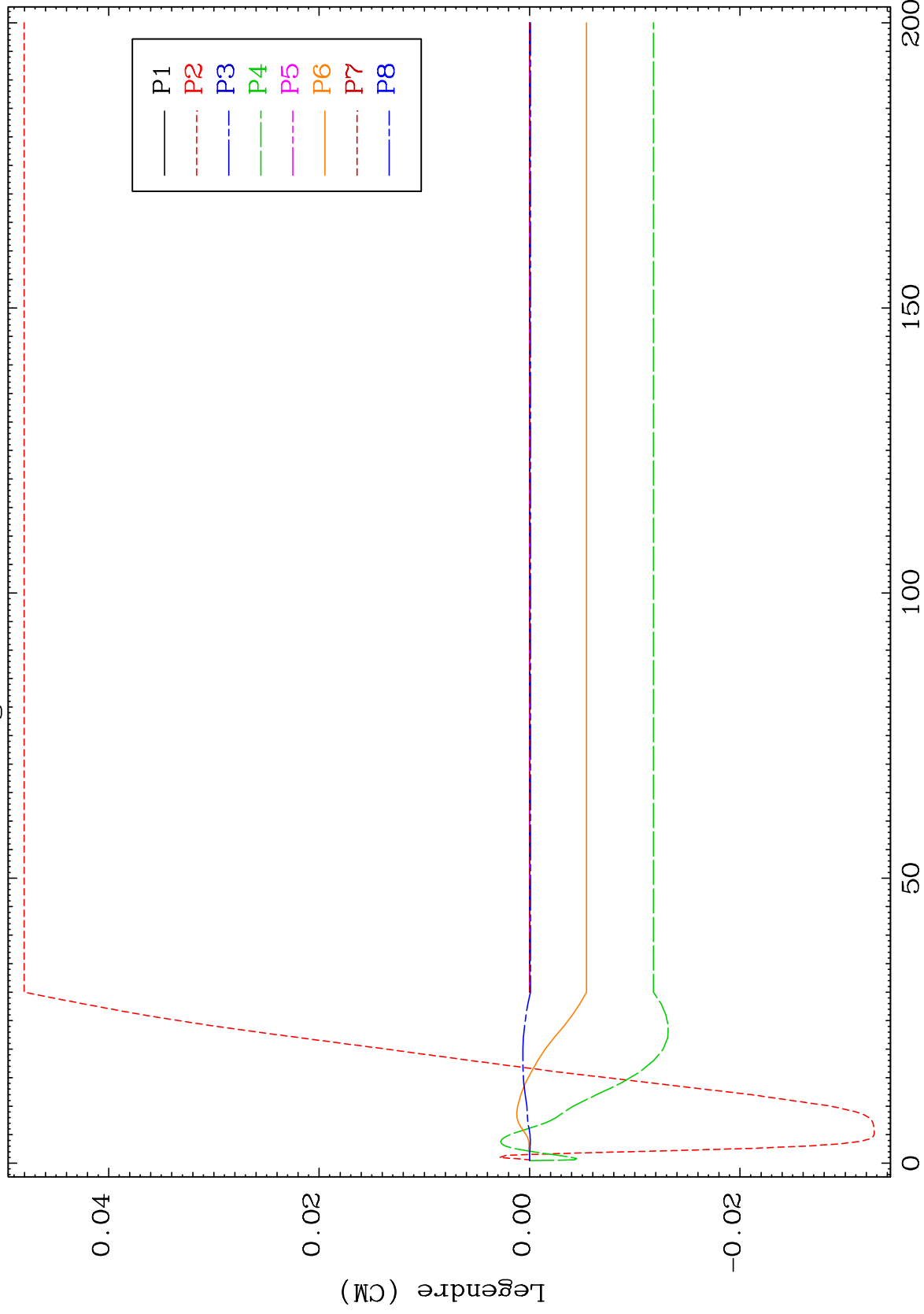
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

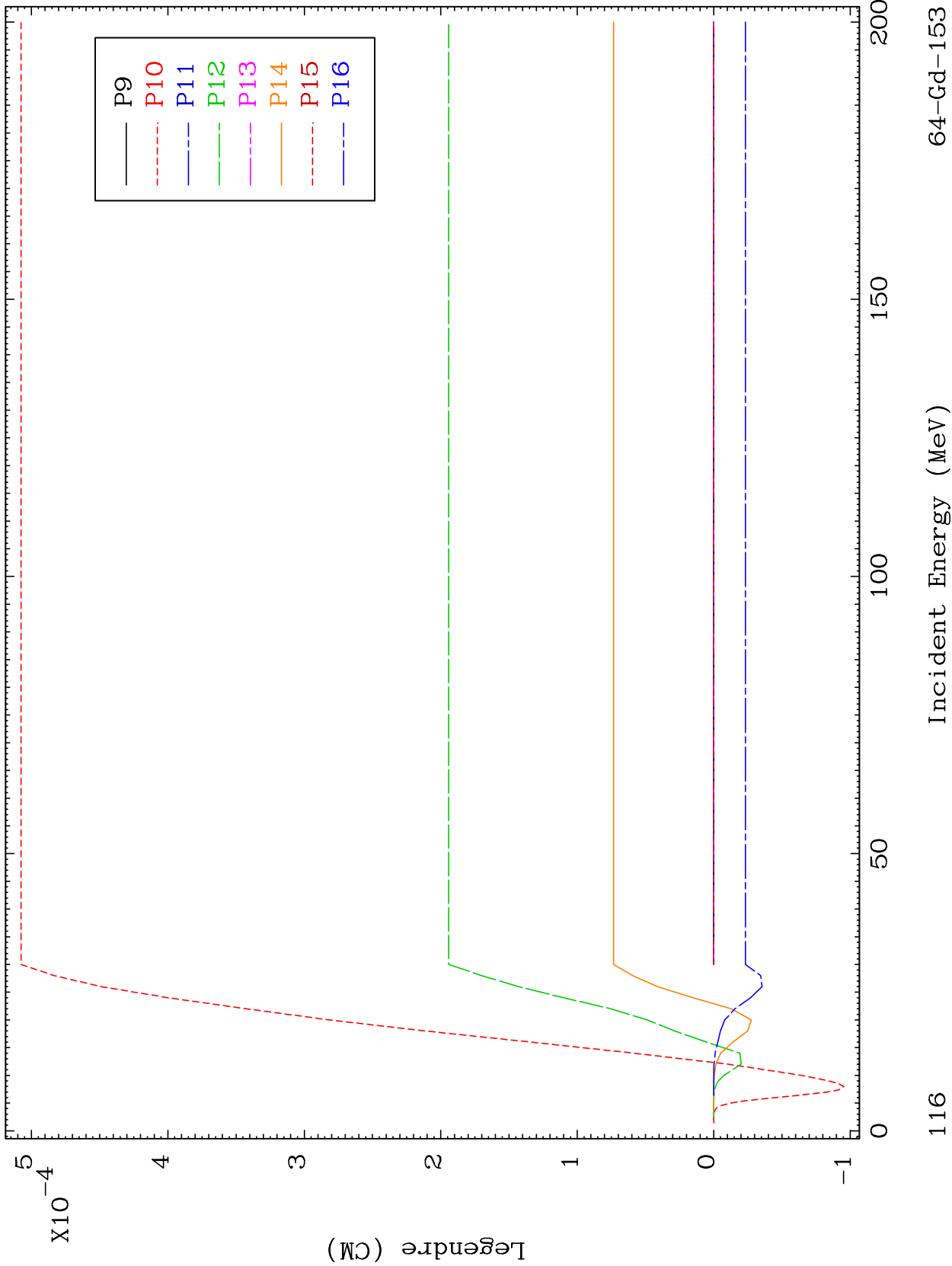
Incident Energy (MeV)

115

MAT 6428

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

64-Gd-153



116

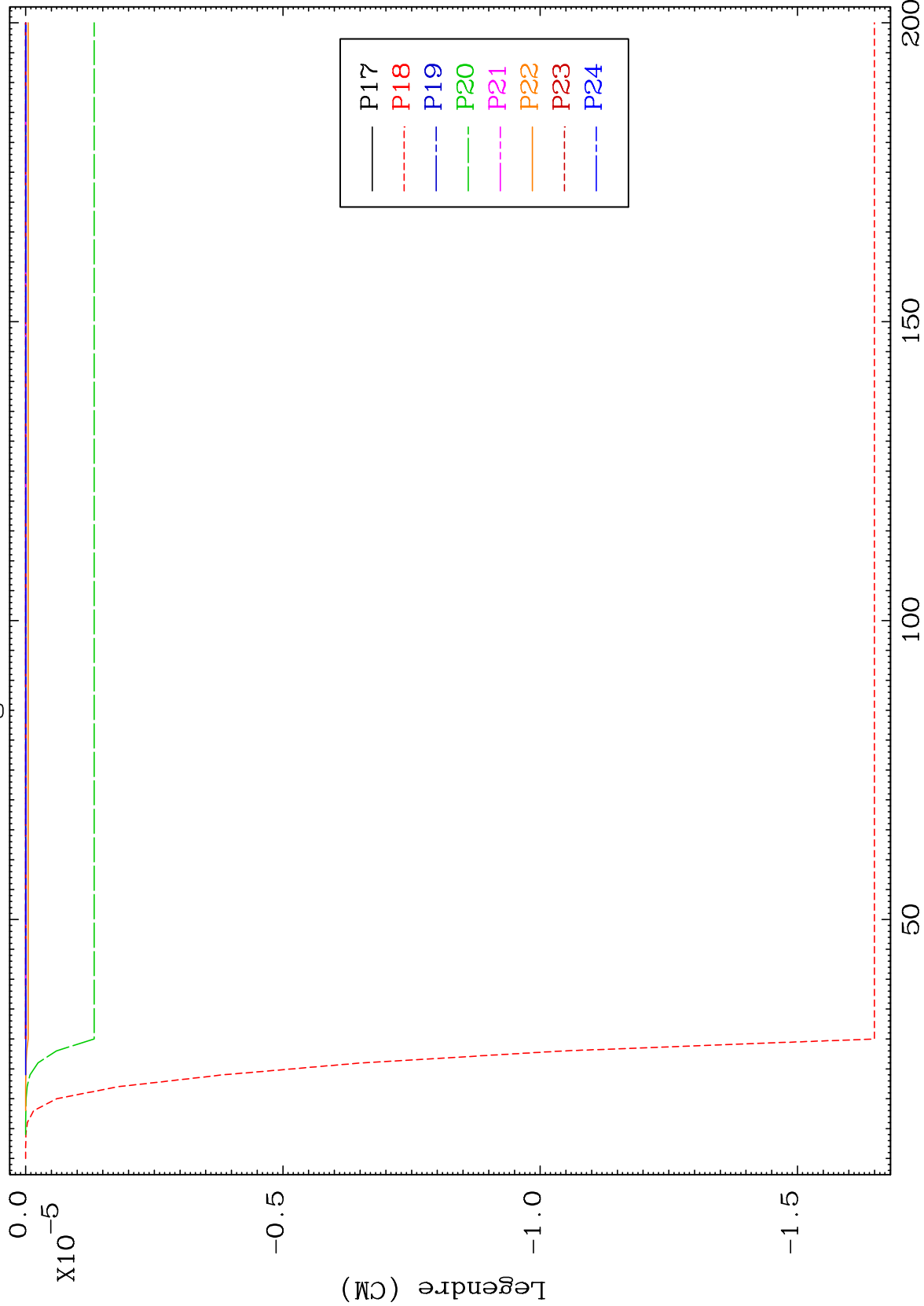
Incident Energy (MeV)

64-Gd-153

MAT 6428

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

64-Gd-153



64-Gd-153

Incident Energy (MeV)

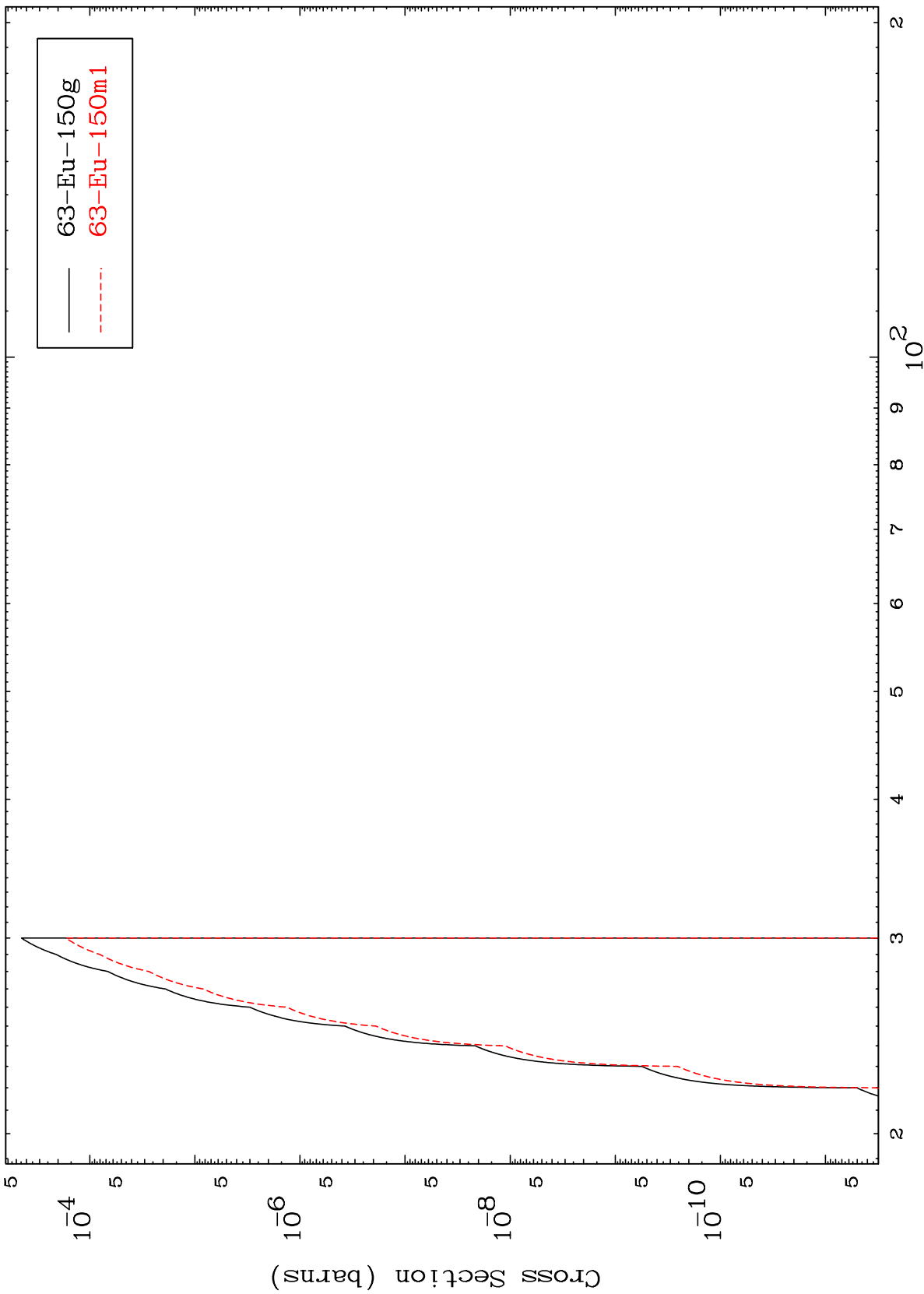
117

MAT 6428

(n,2n) d

64-Gd-153

Radionuclide Production Cross Section



118

Incident Energy (MeV)

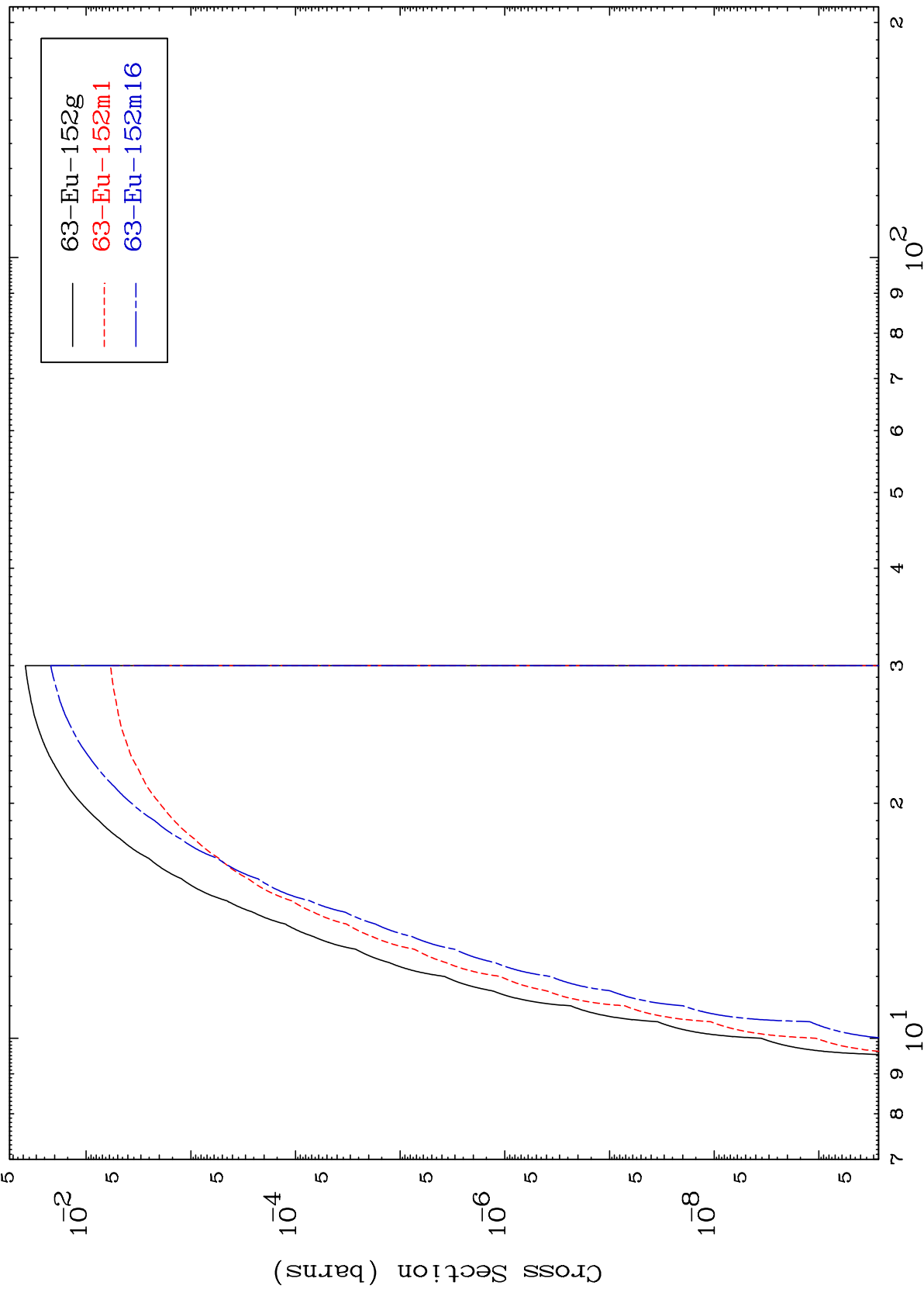
64-Gd-153

MAT 6428

(n,n') p

64-Gd-153

Radionuclide Production Cross Section



119

Incident Energy (MeV)

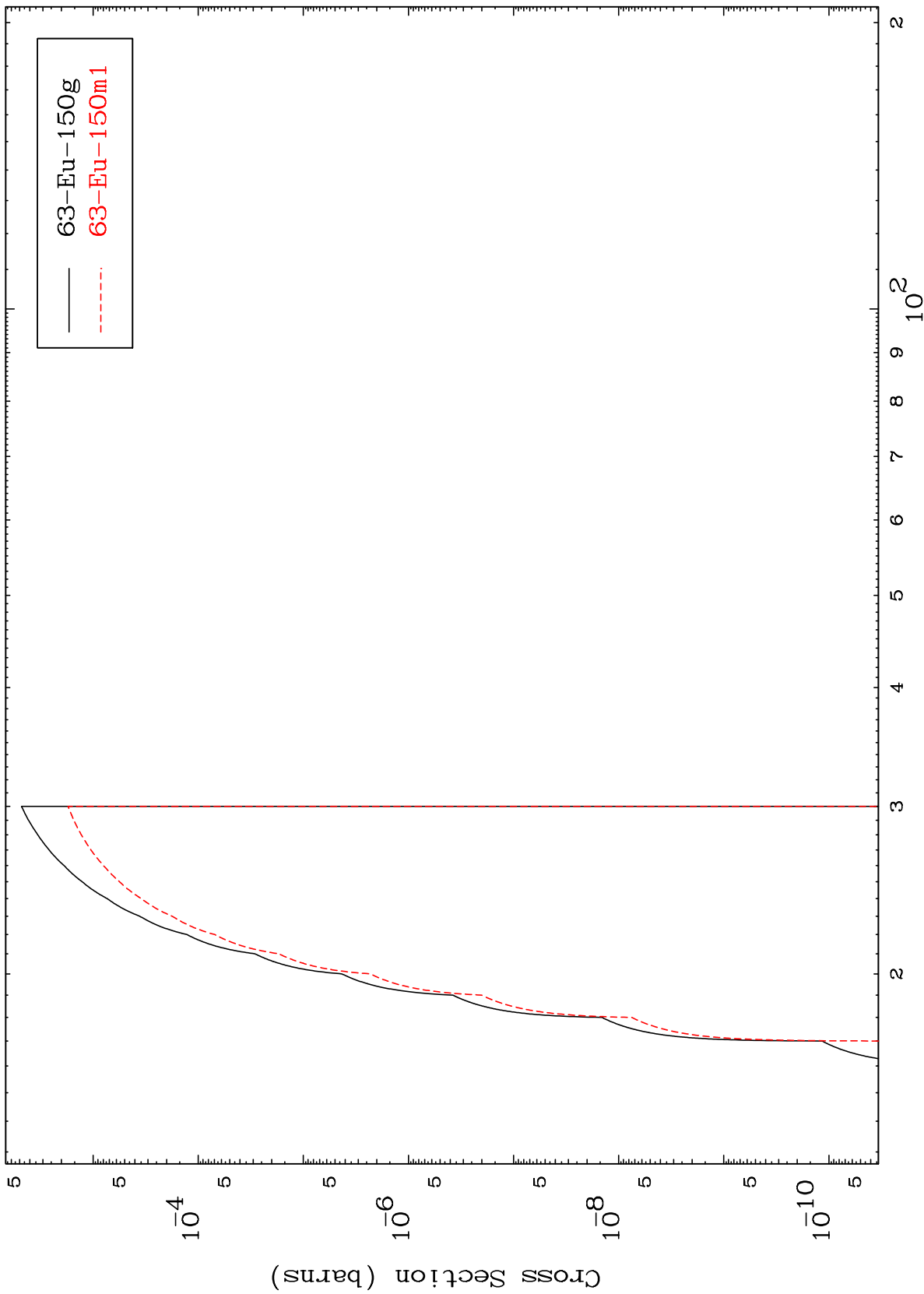
64-Gd-153

MAT 6428

(n,n') t

64-Gd-153

Radionuclide Production Cross Section



120

Incident Energy (MeV)

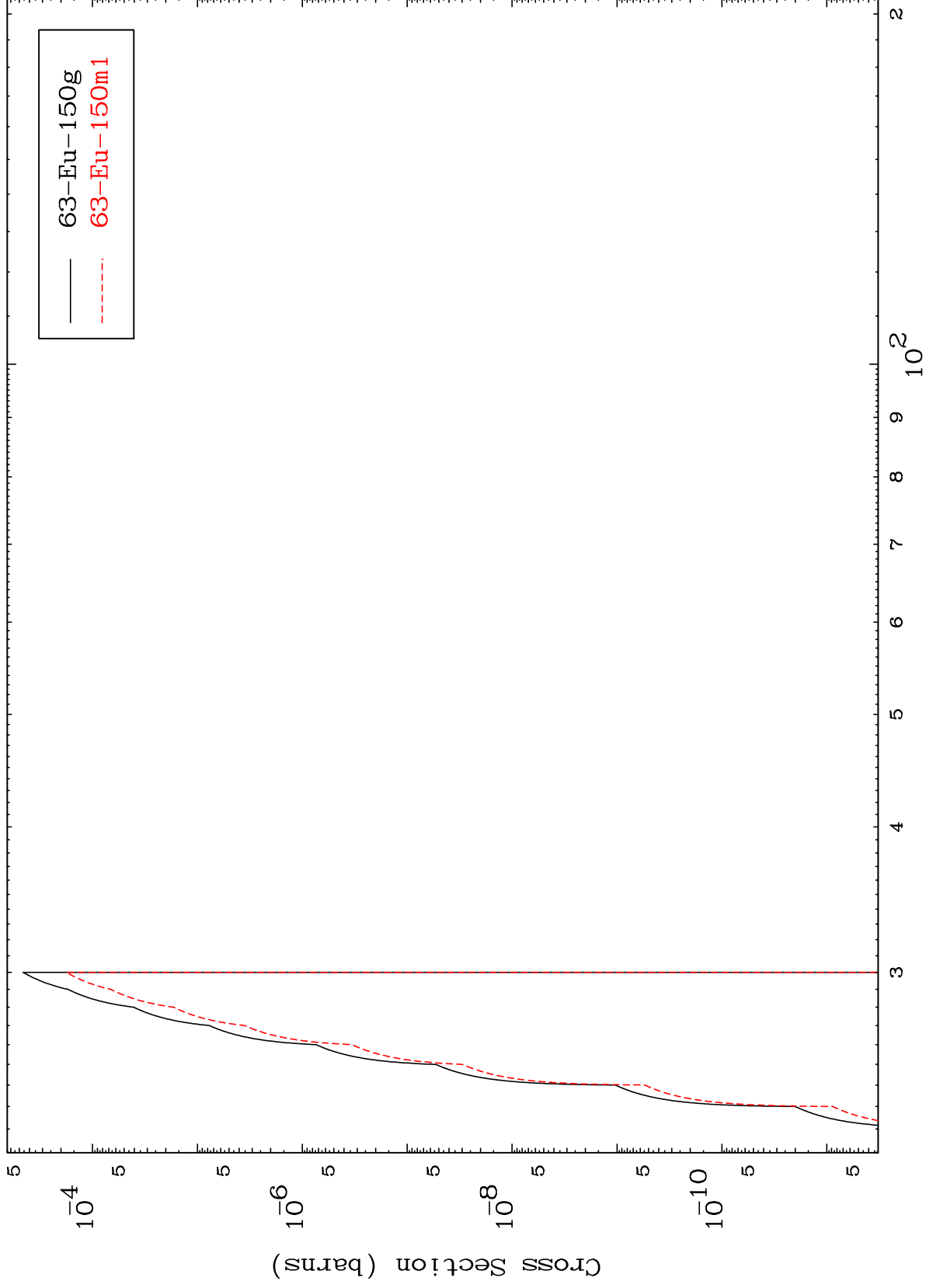
64-Gd-153

MAT 6428

(n,3n) p

64-Gd-153

Radionuclide Production Cross Section



121

Incident Energy (MeV)

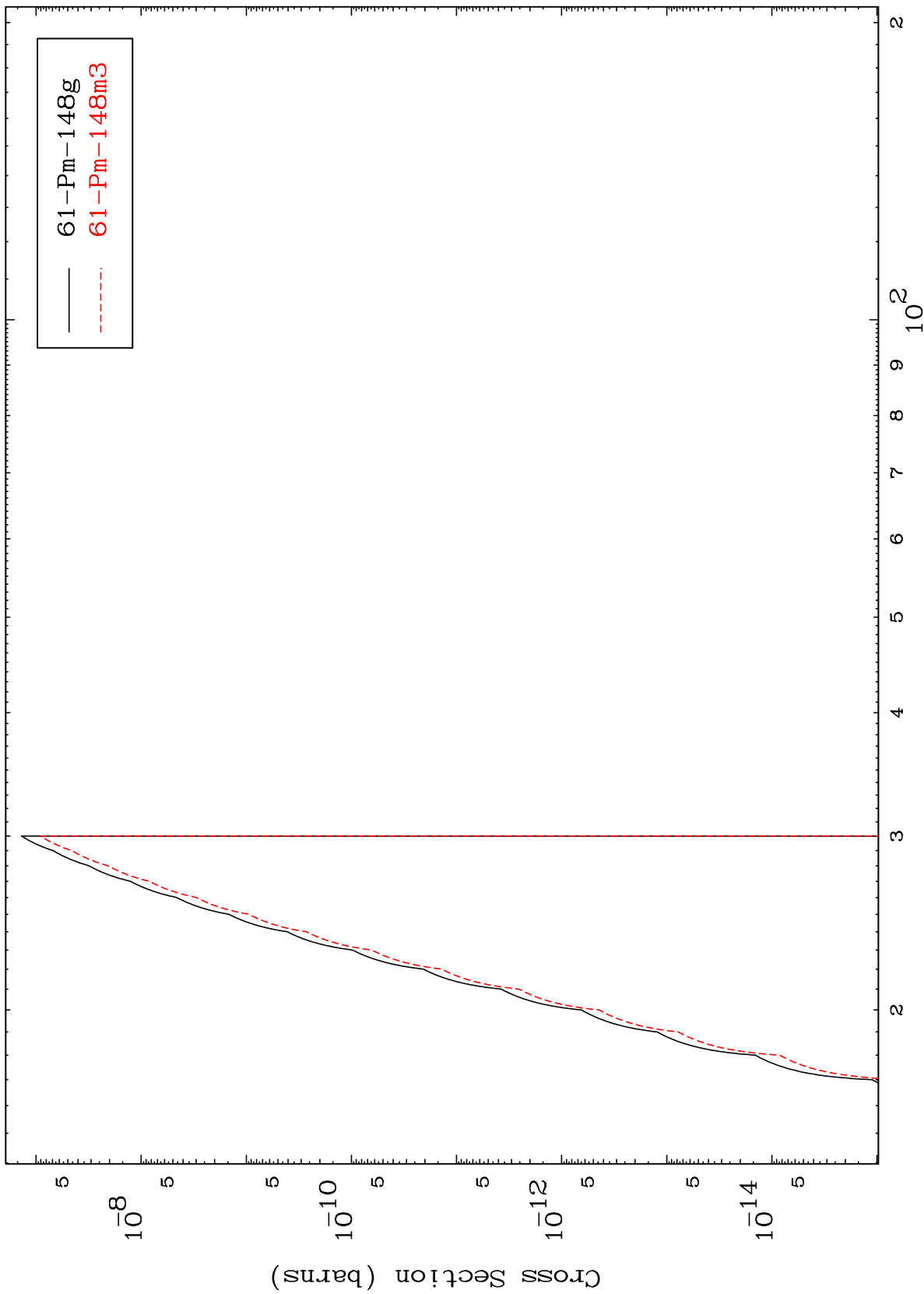
64-Gd-153

MAT 6428

(n,n') p α

64-Gd-153

Radionuclide Production Cross Section



122

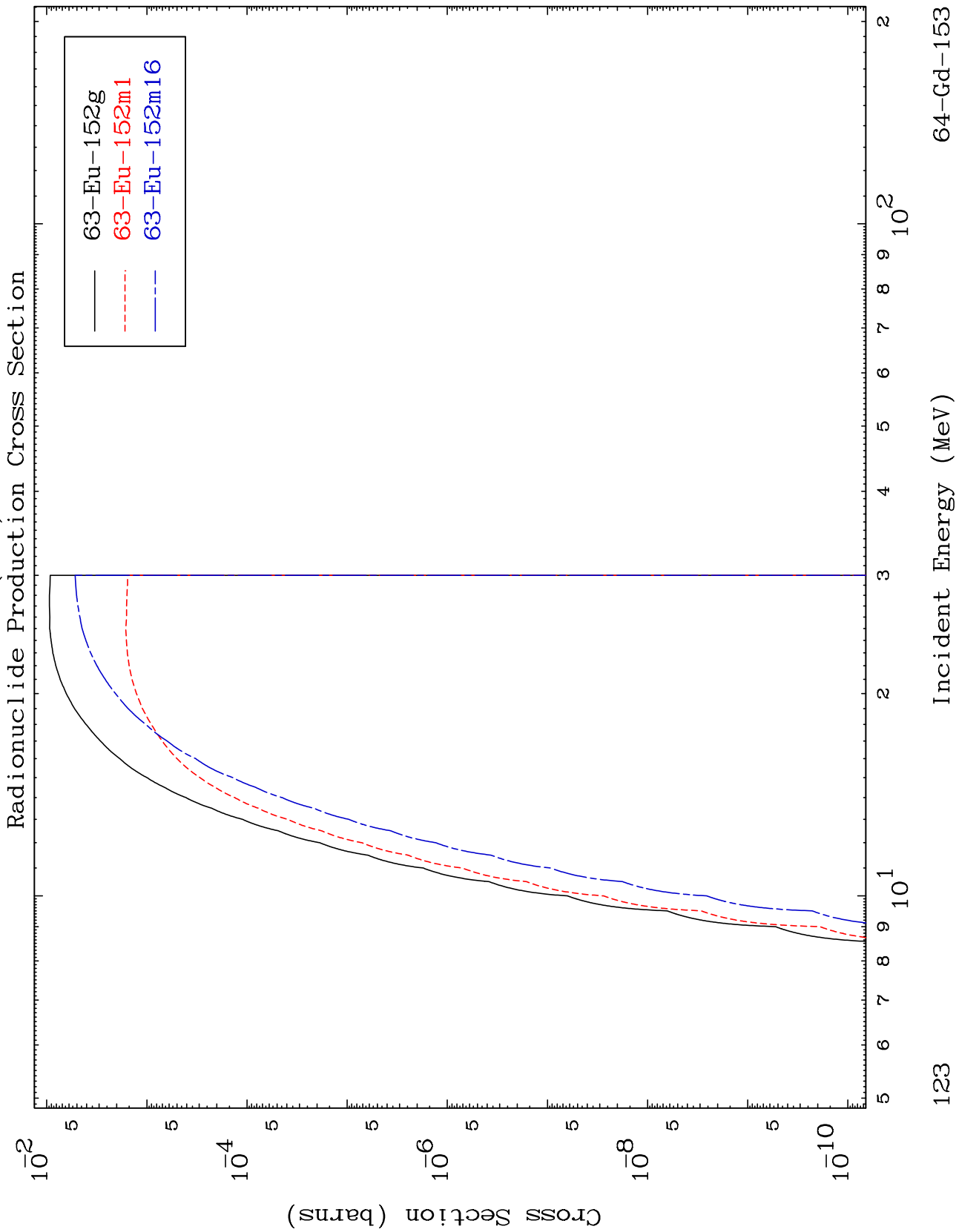
Incident Energy (MeV)

64-Gd-153

MAT 6428

(n,d)

64-Gd-153



123

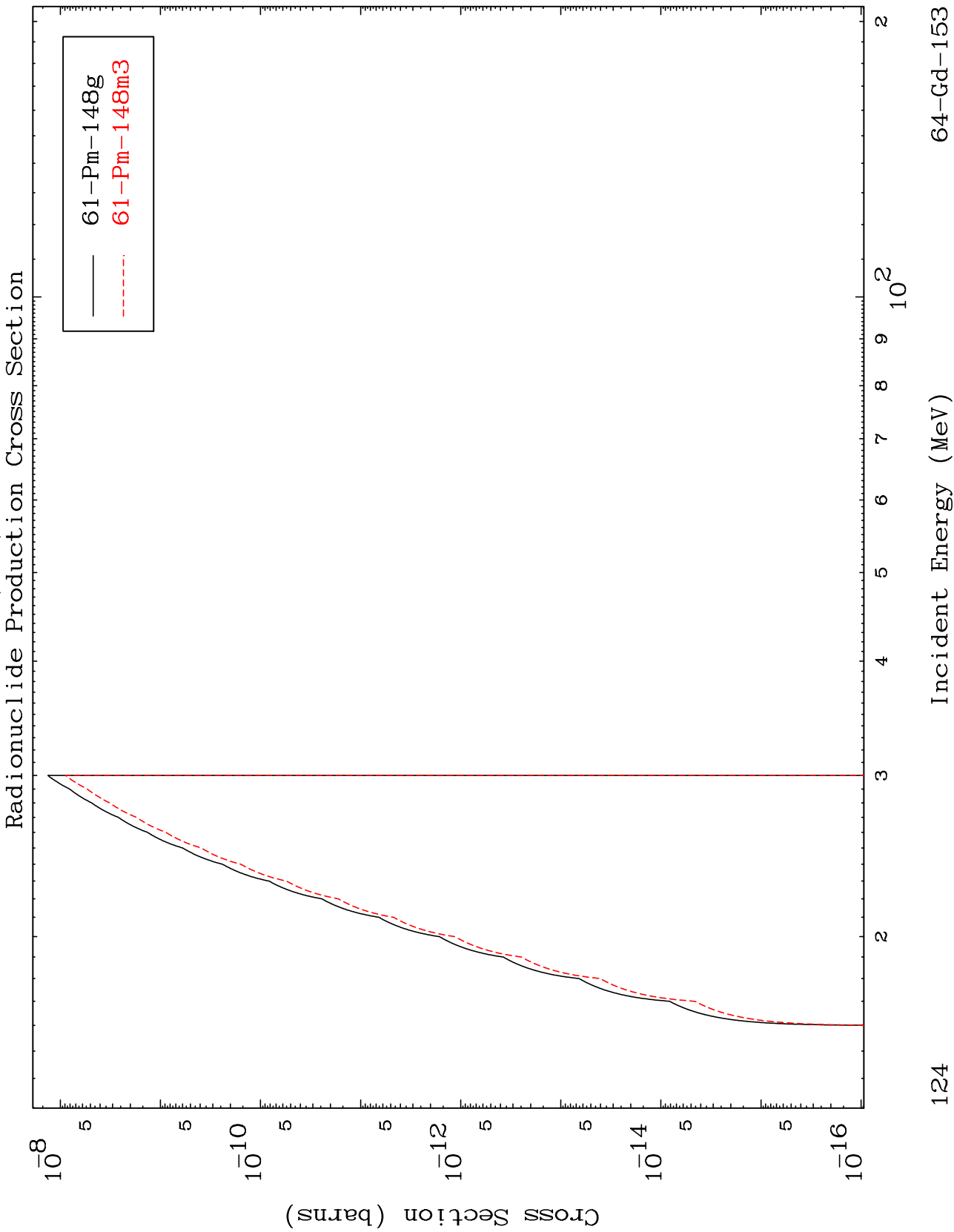
Incident Energy (MeV)

64-Gd-153

MAT 6428

(n,d) α

64-Gd-153



124

Incident Energy (MeV)

64-Gd-153