

Program EVALPLOT  
(Version 2018-1)

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](mailto:redcullen1@comcast.net)

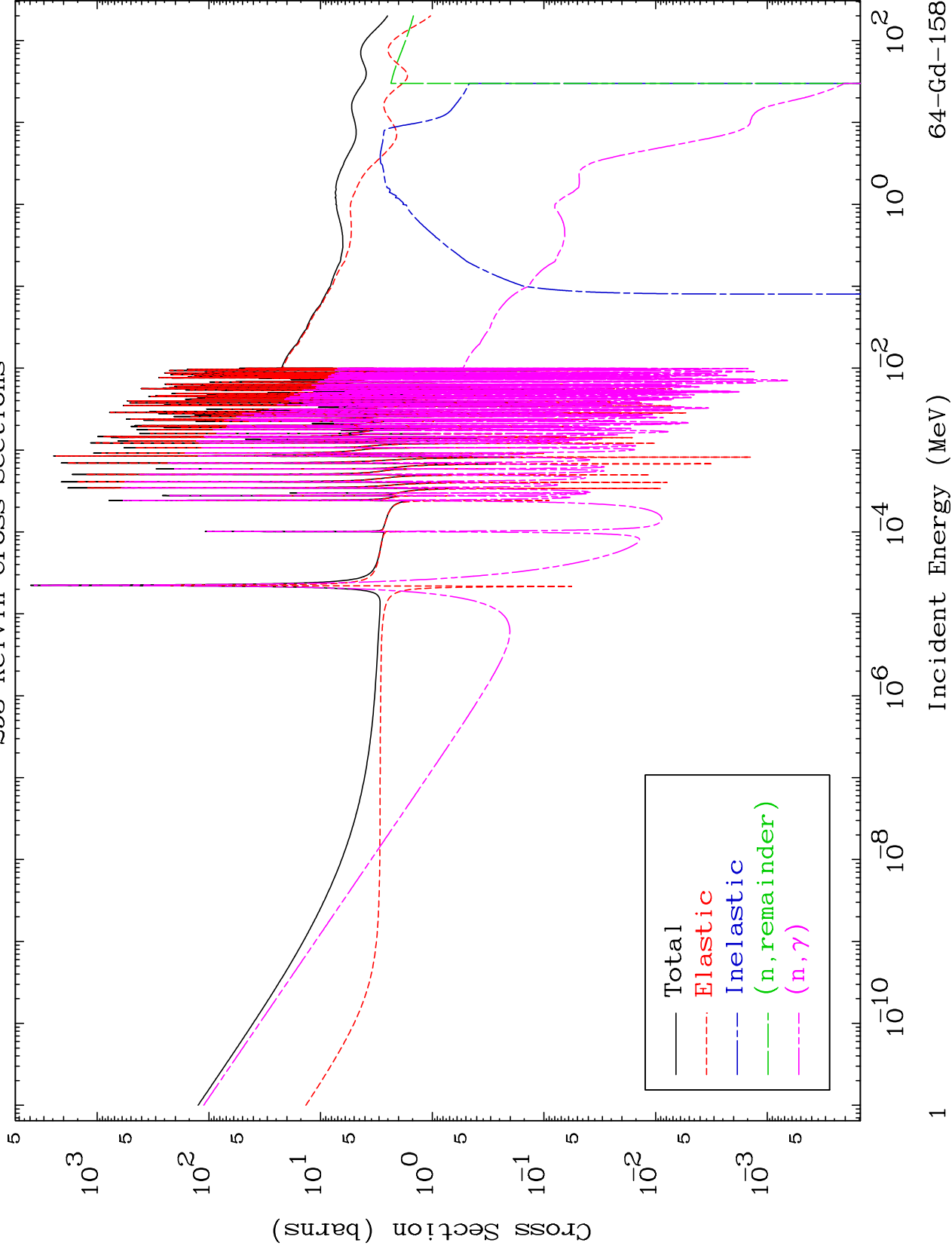
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Press Mouse Button to Start

MAT 6443

Major  
293 Kelvin Cross Sections

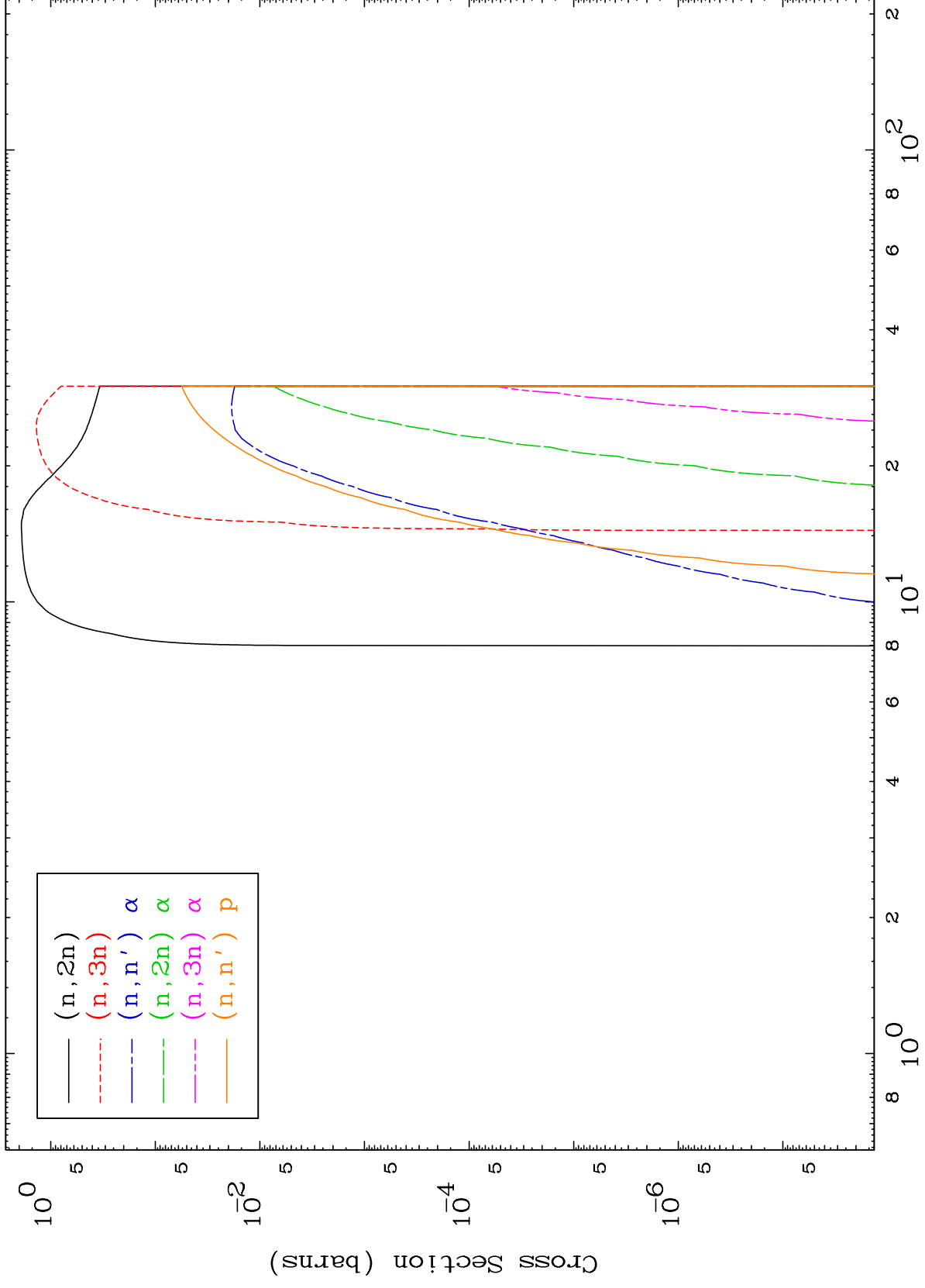
64-Gd-158

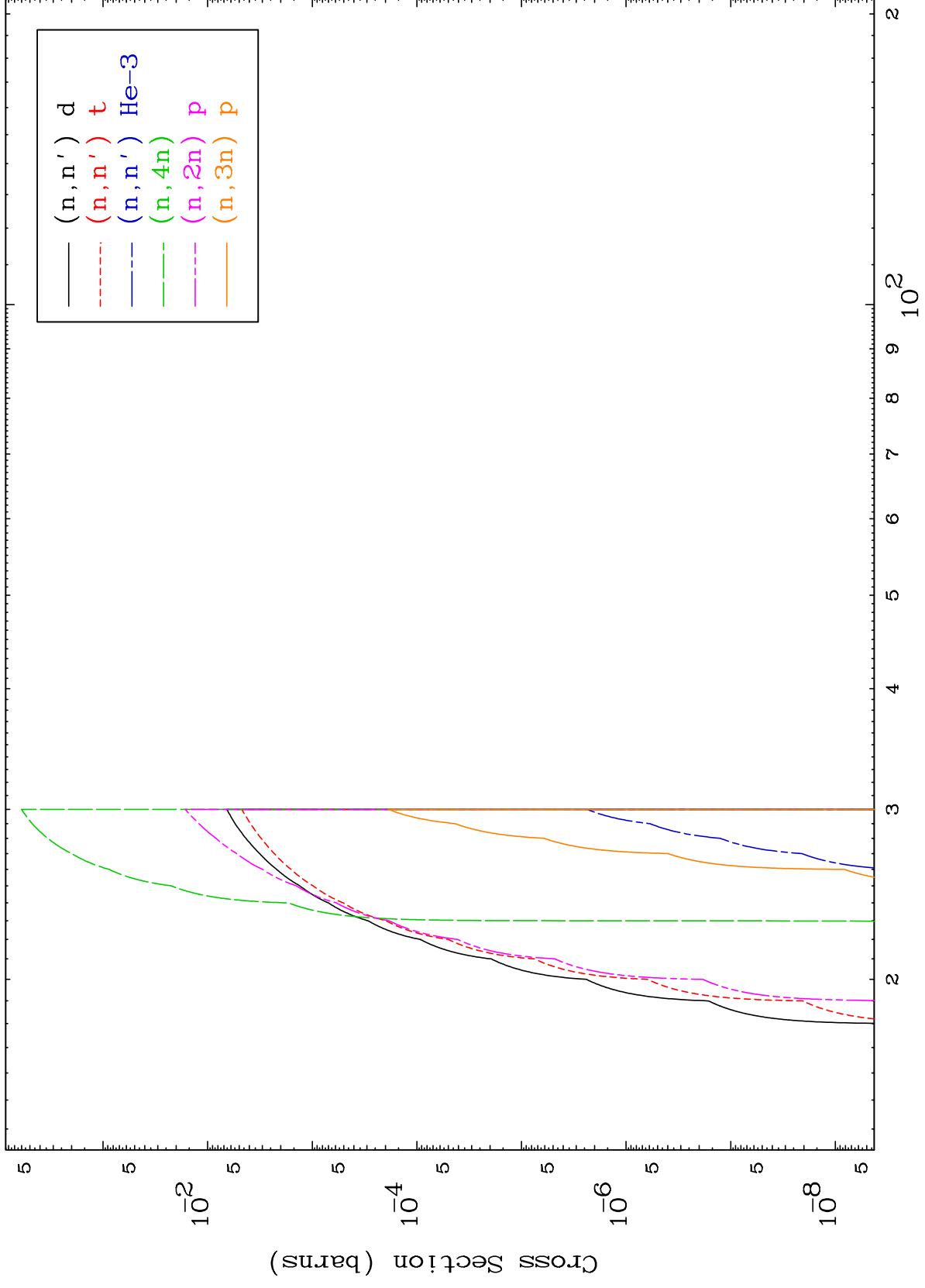


MAT 6443

Neutron Production  
293 Kelvin Cross Sections

64-Gd-158

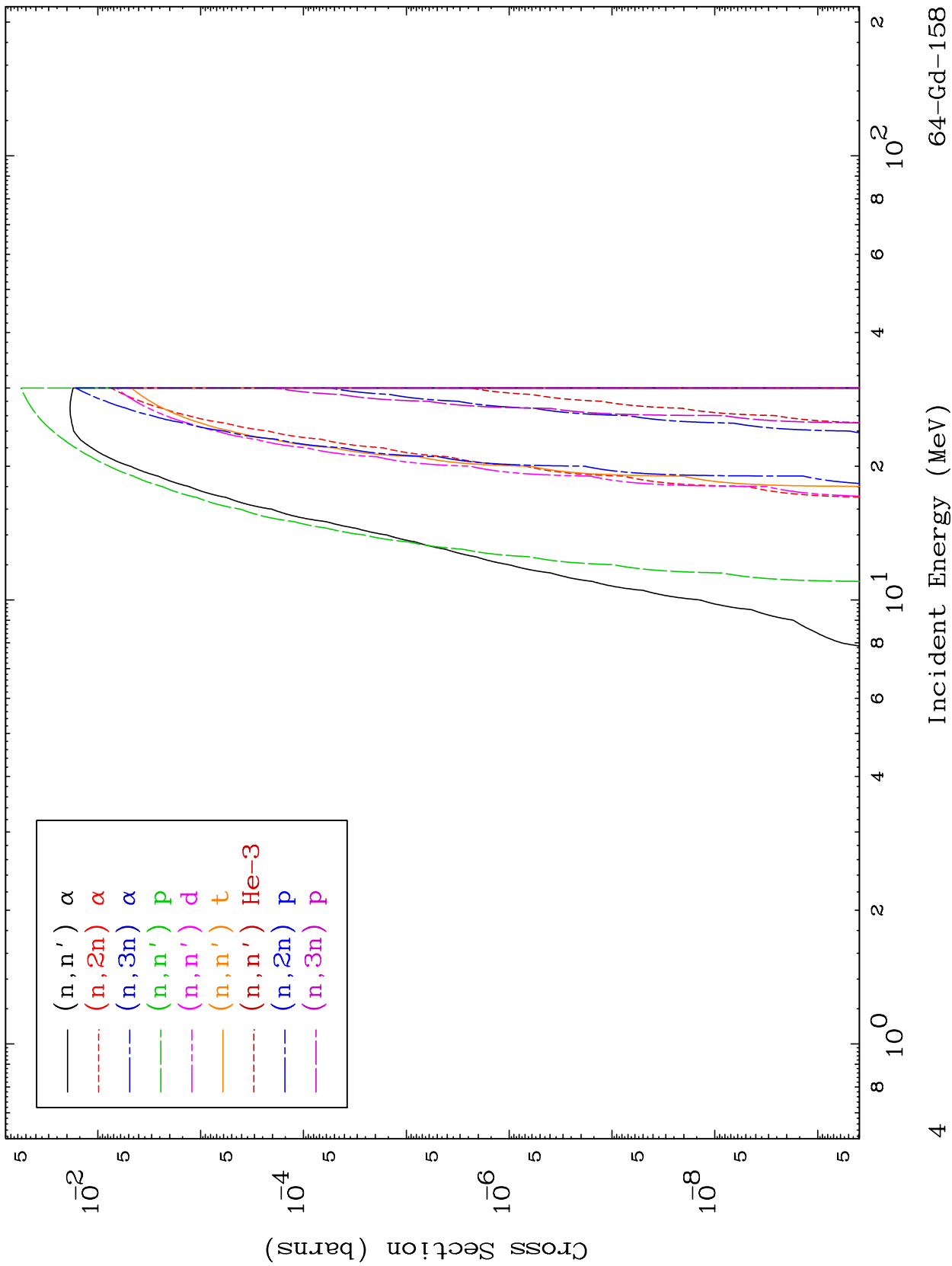




MAT 6443

Charged Particle  
293 Kelvin Cross Sections

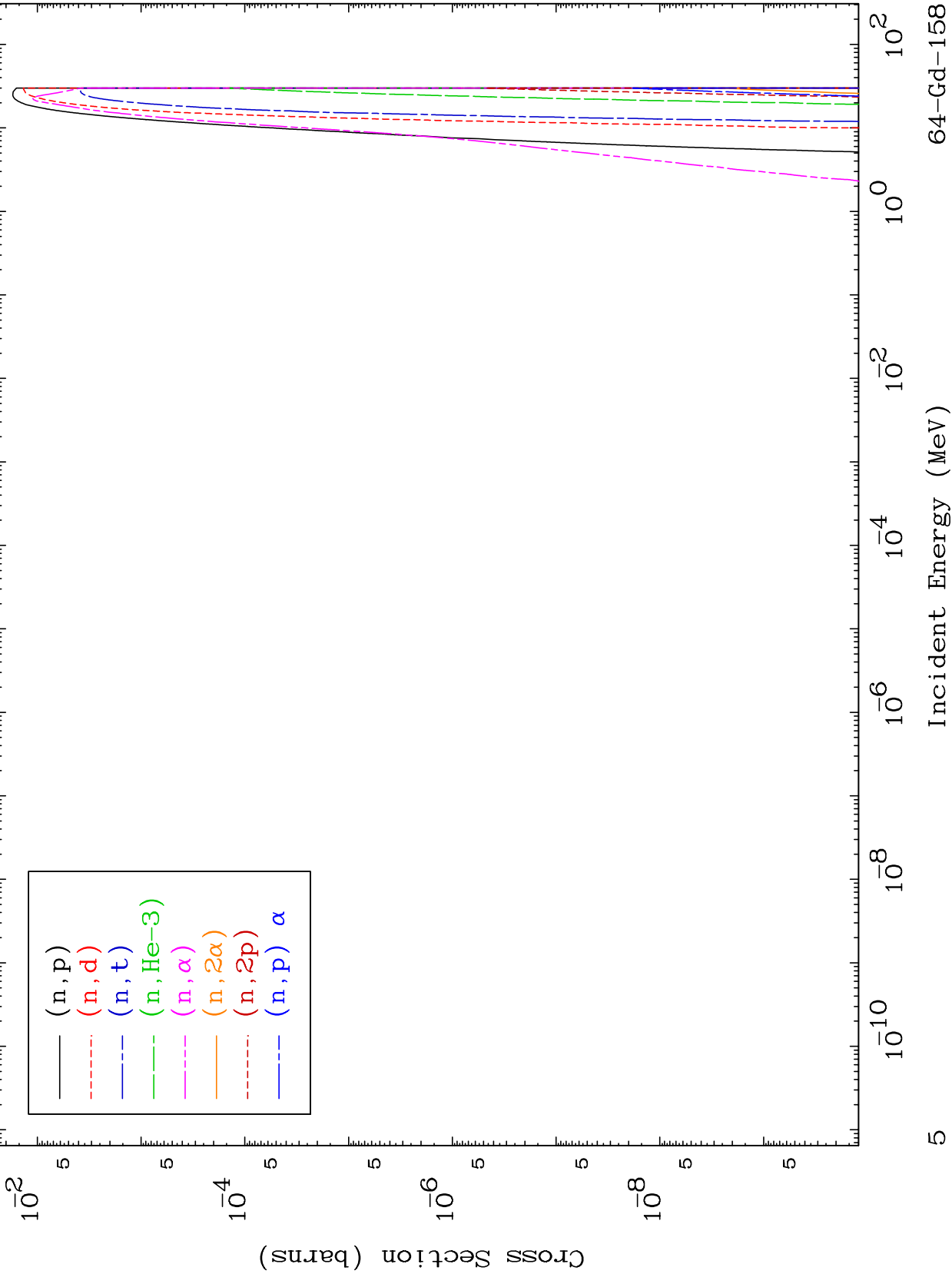
64-Gd-158



MAT 6443

Charged Particle  
293 Kelvin Cross Sections

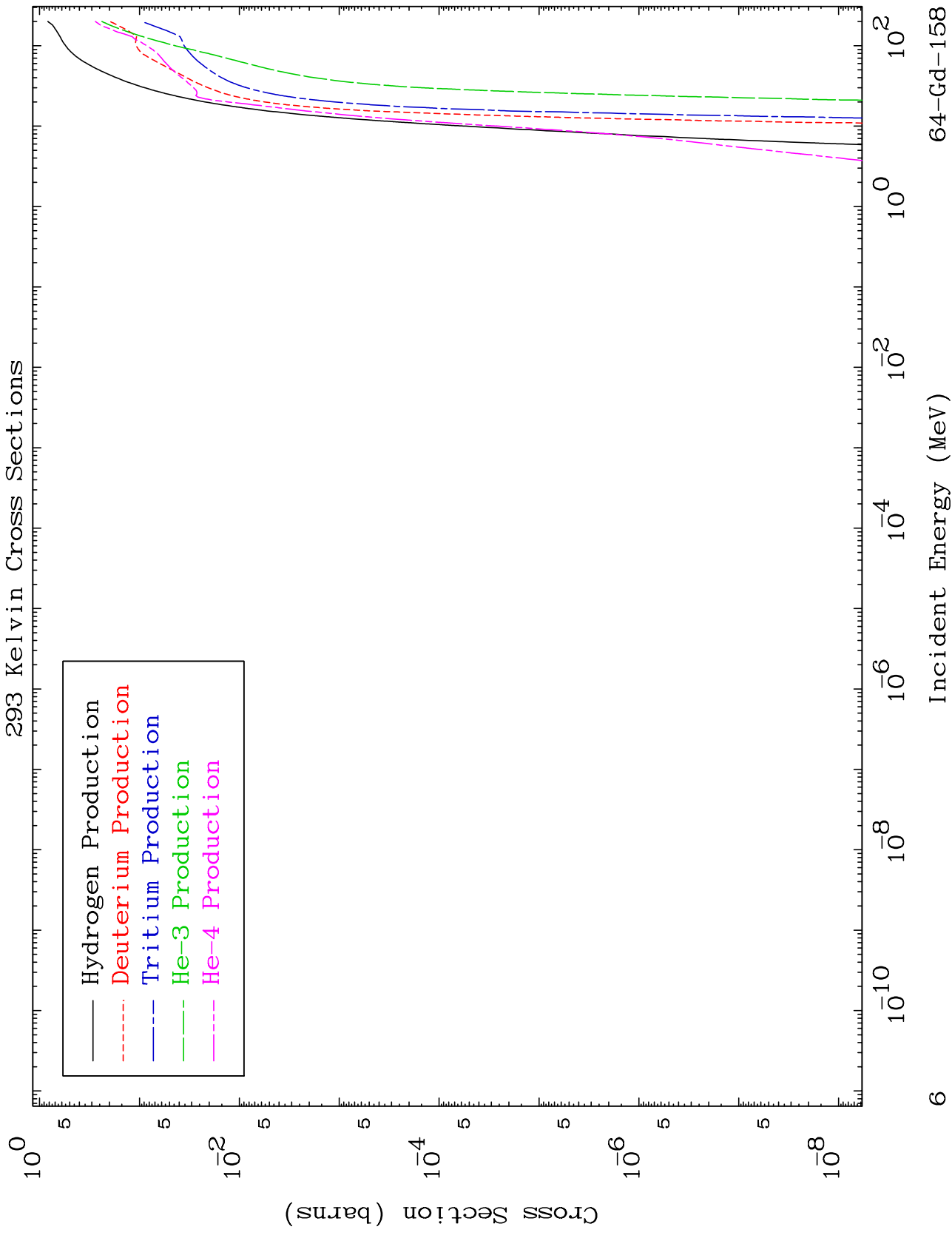
64-Gd-158



MAT 6443

Particle Production  
293 Kelvin Cross Sections

64-Gd-158

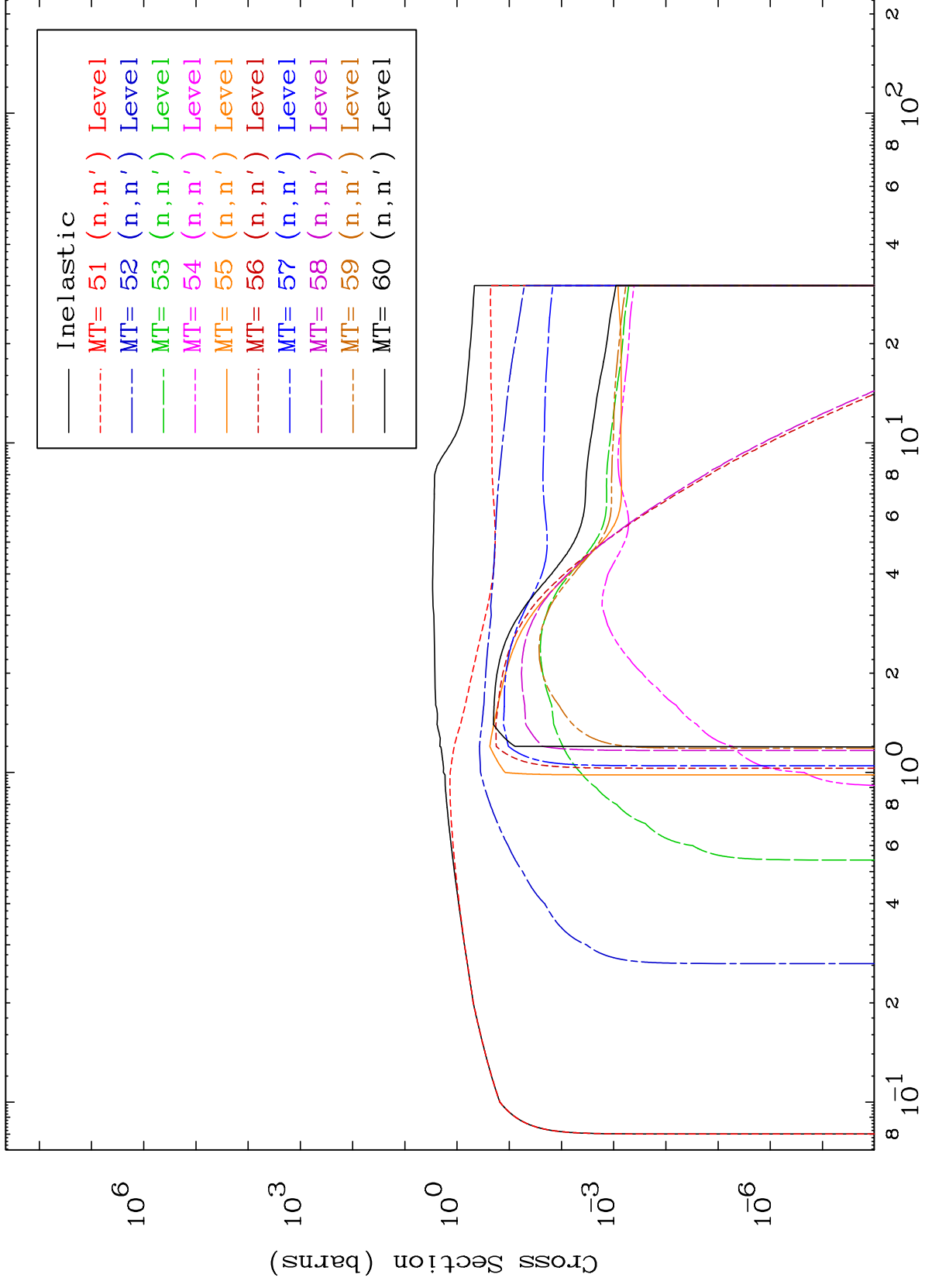


MAT 6443

(n,n') Level

64-Gd-158

293 Kelvin Cross Sections



Incident Energy (MeV)

64-Gd-158

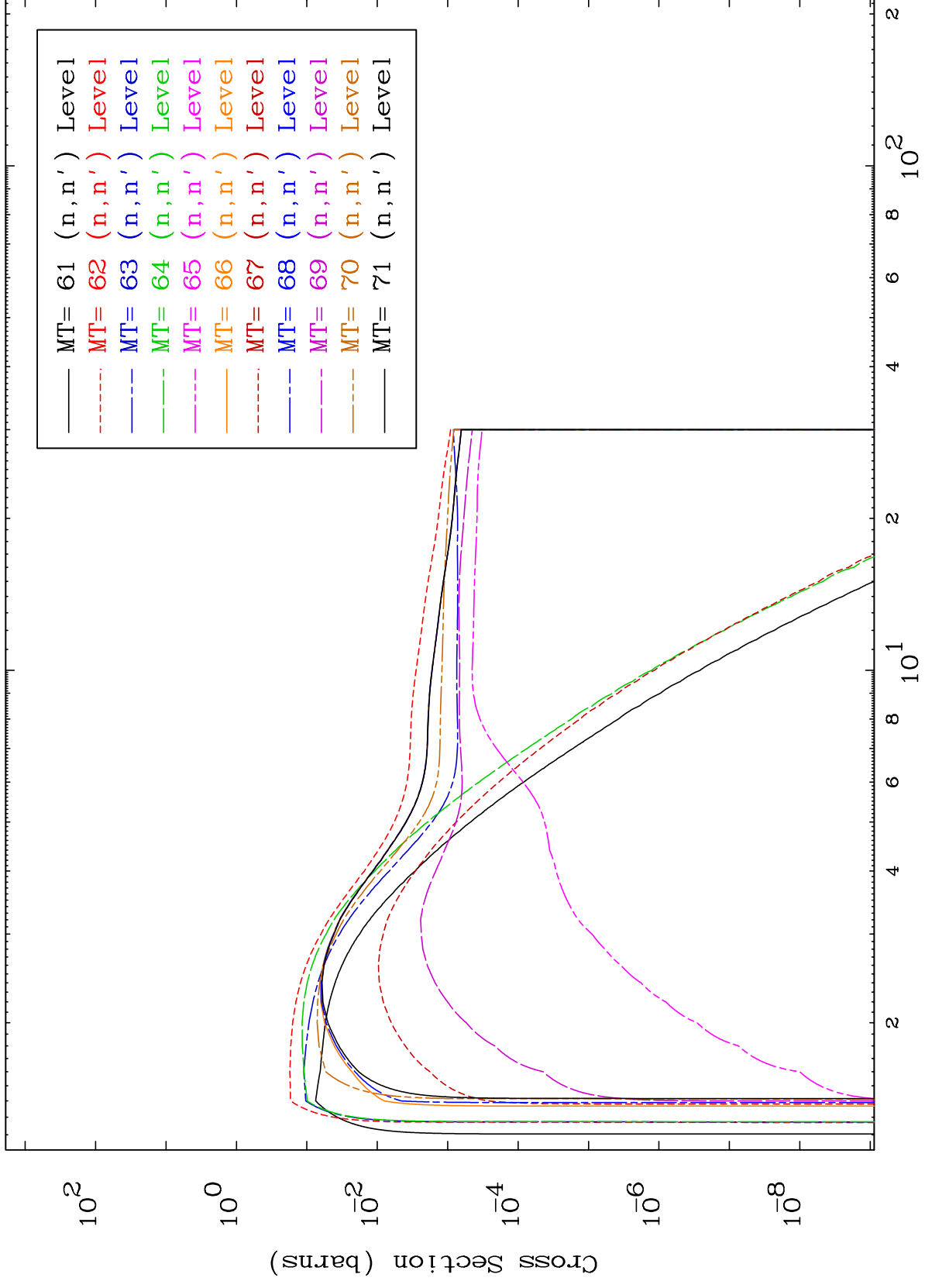


MAT 6443

(n,n') Level

64-Gd-158

293 Kelvin Cross Sections

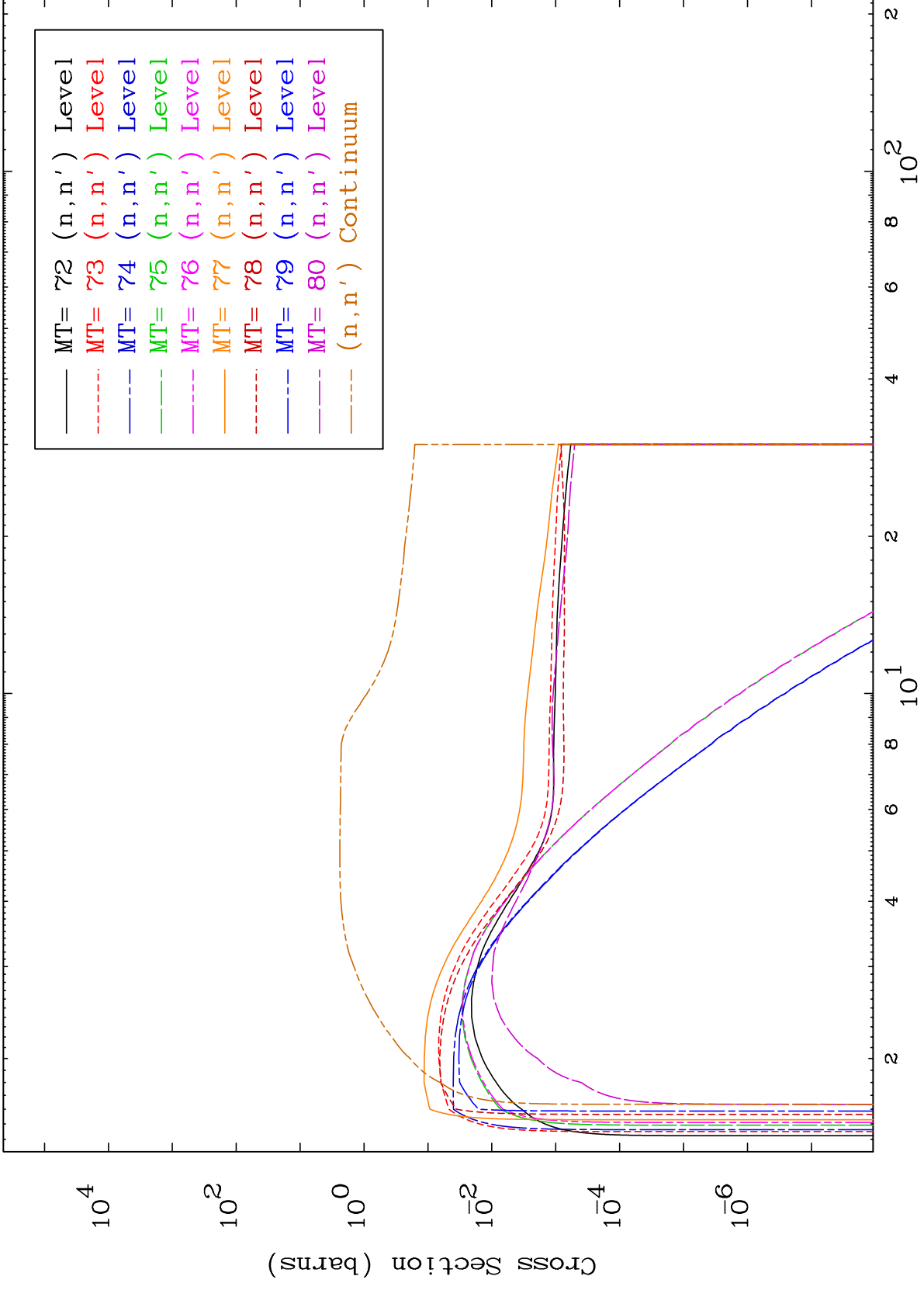


8

Incident Energy (MeV)

64-Gd-158

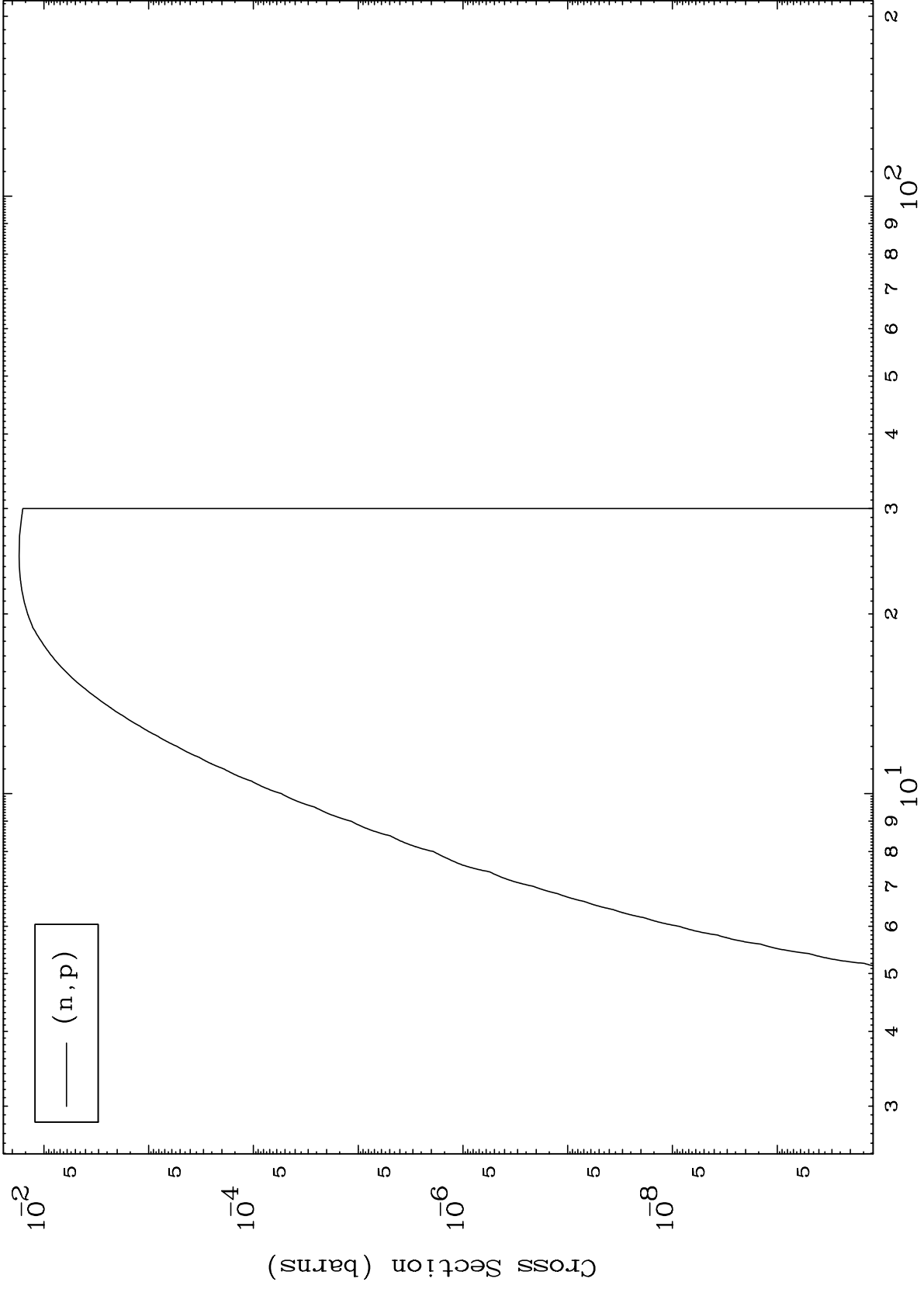
293 Kelvin Cross Sections



MAT 6443

(n,p) Levels  
293 Kelvin Cross Sections

64-Gd-158



10

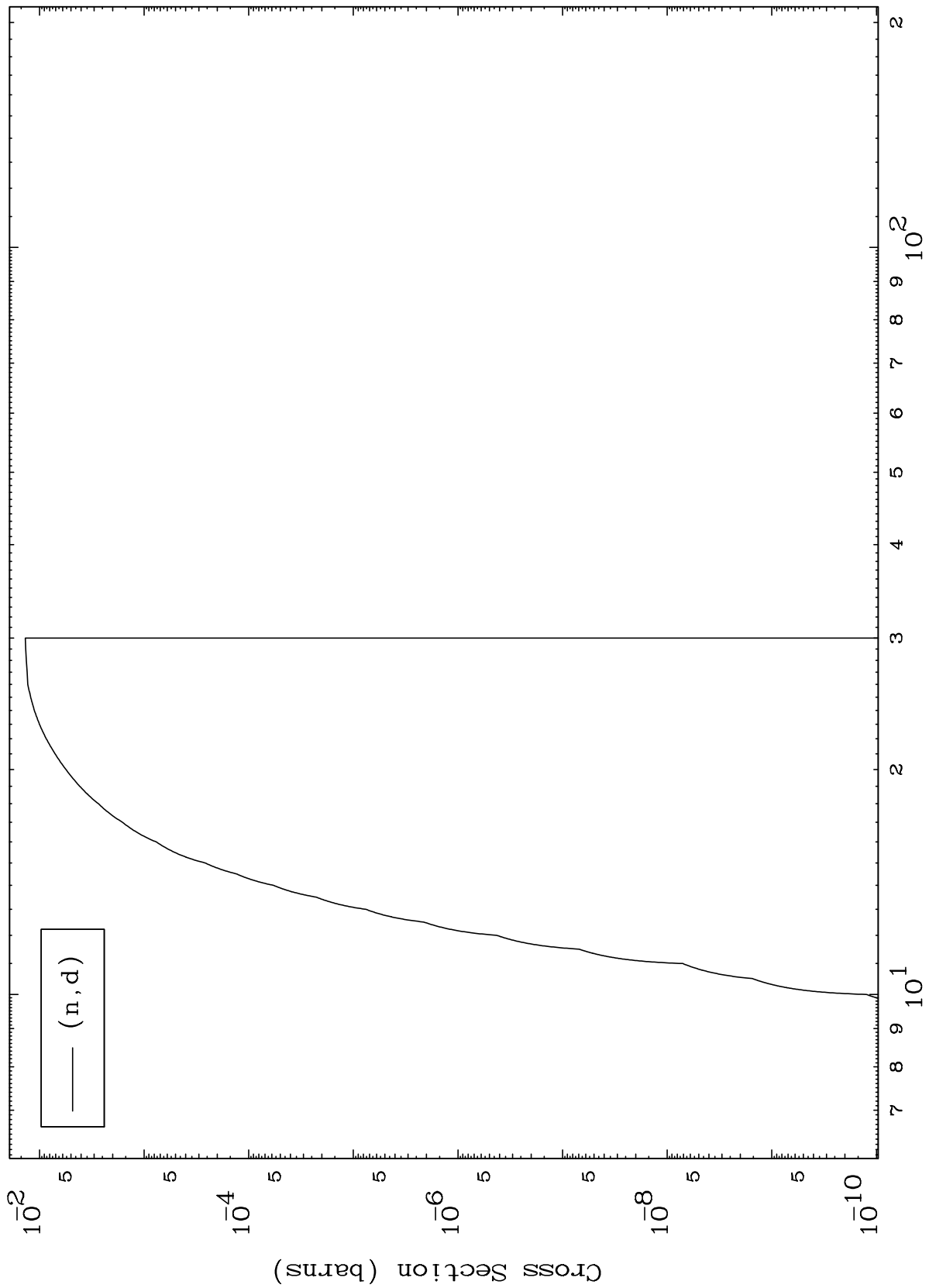
Incident Energy (MeV)

64-Gd-158

MAT 6443

(n,d) Levels  
293 Kelvin Cross Sections

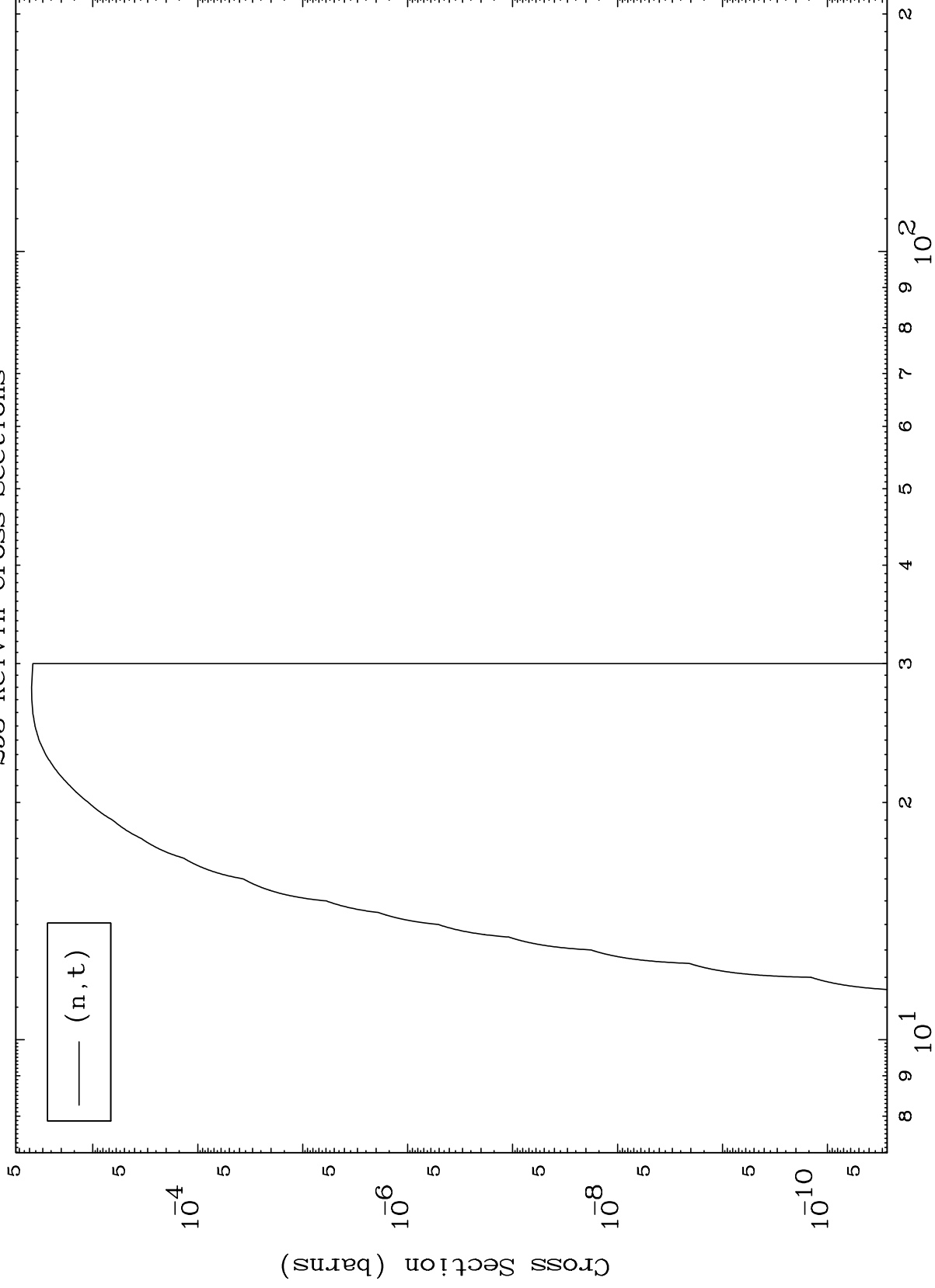
64-Gd-158



MAT 6443

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-158



12

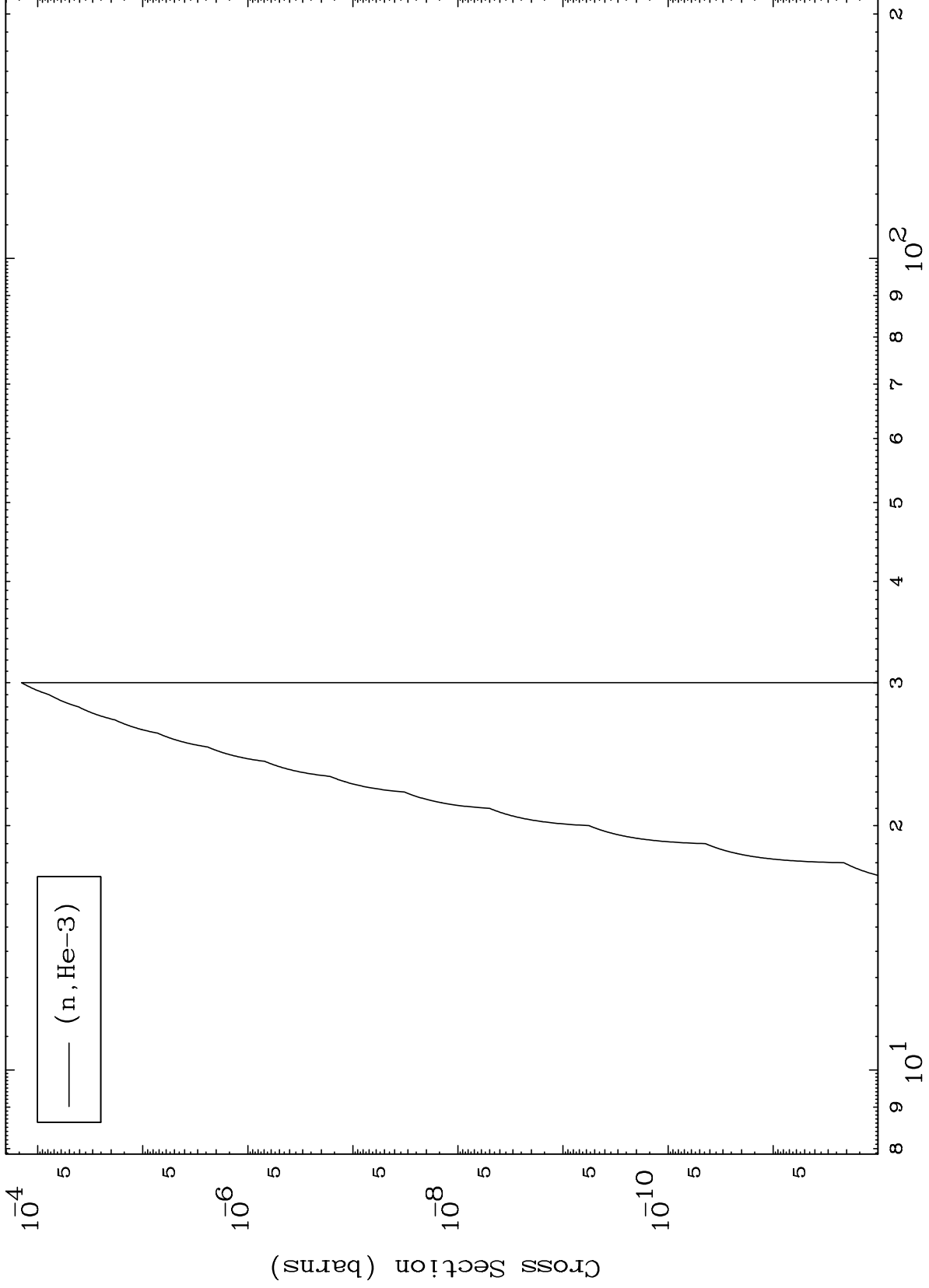
Incident Energy (MeV)

64-Gd-158

MAT 6443

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-158



13

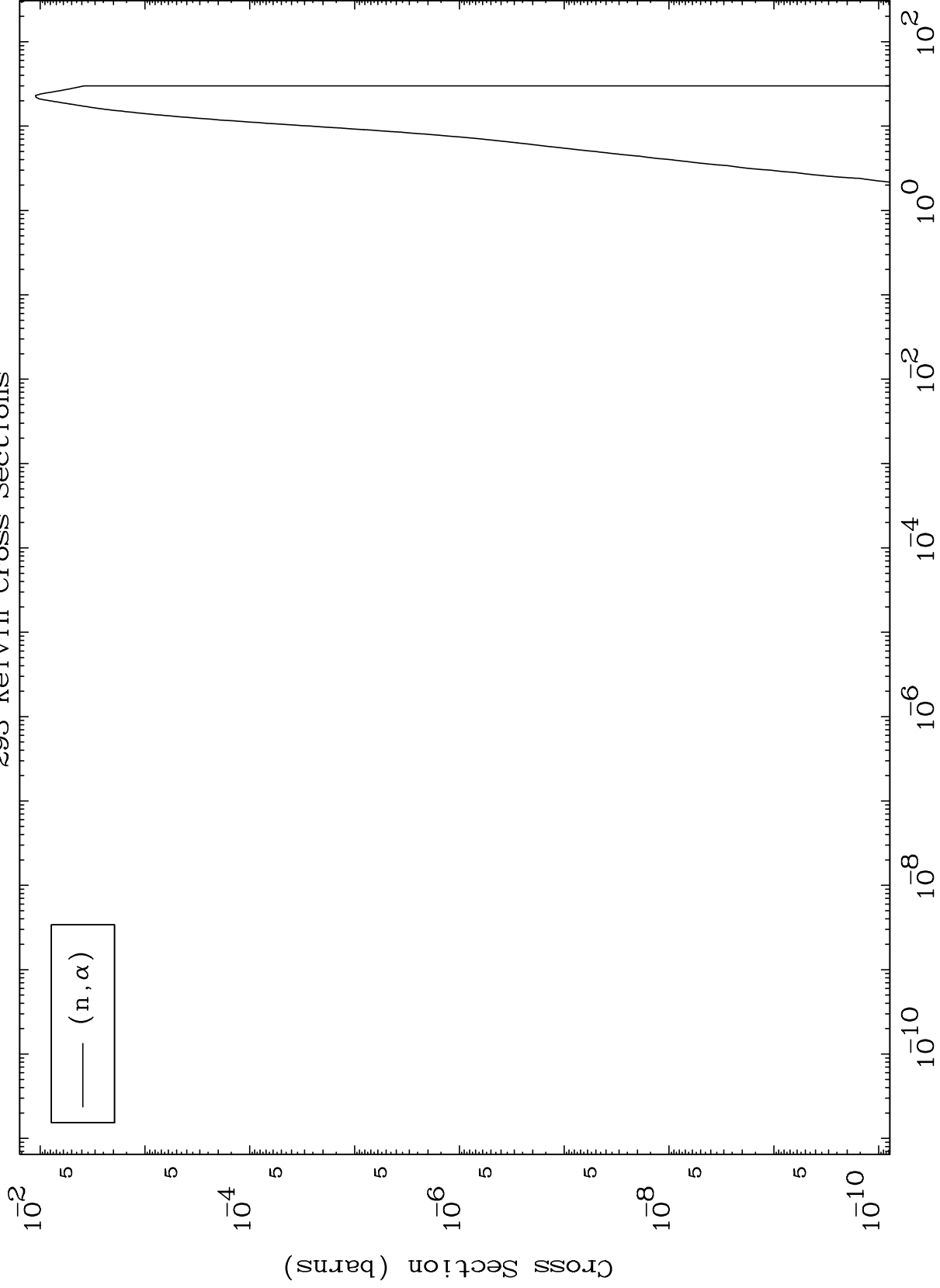
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

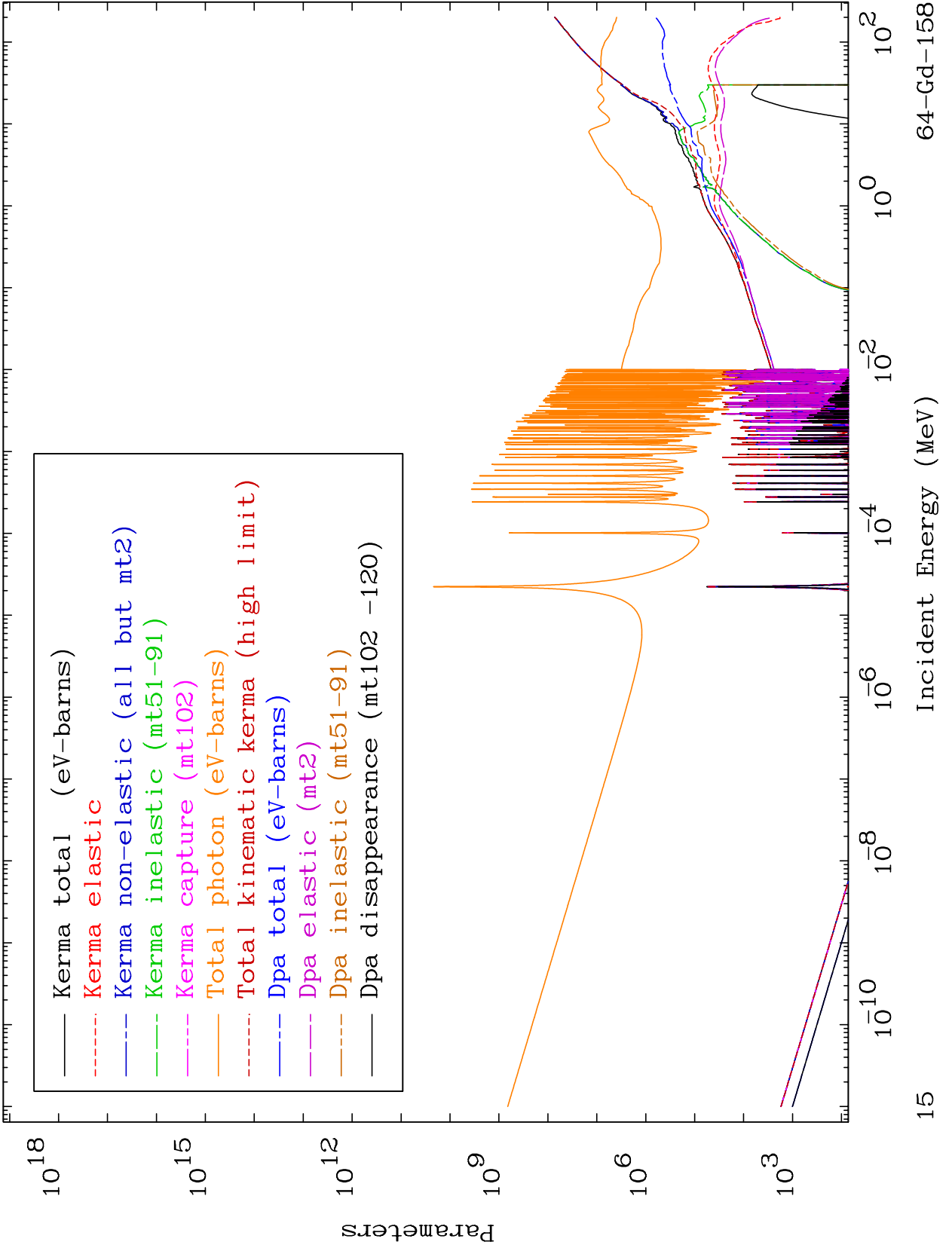
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14

Incident Energy (MeV)

64-Gd-158

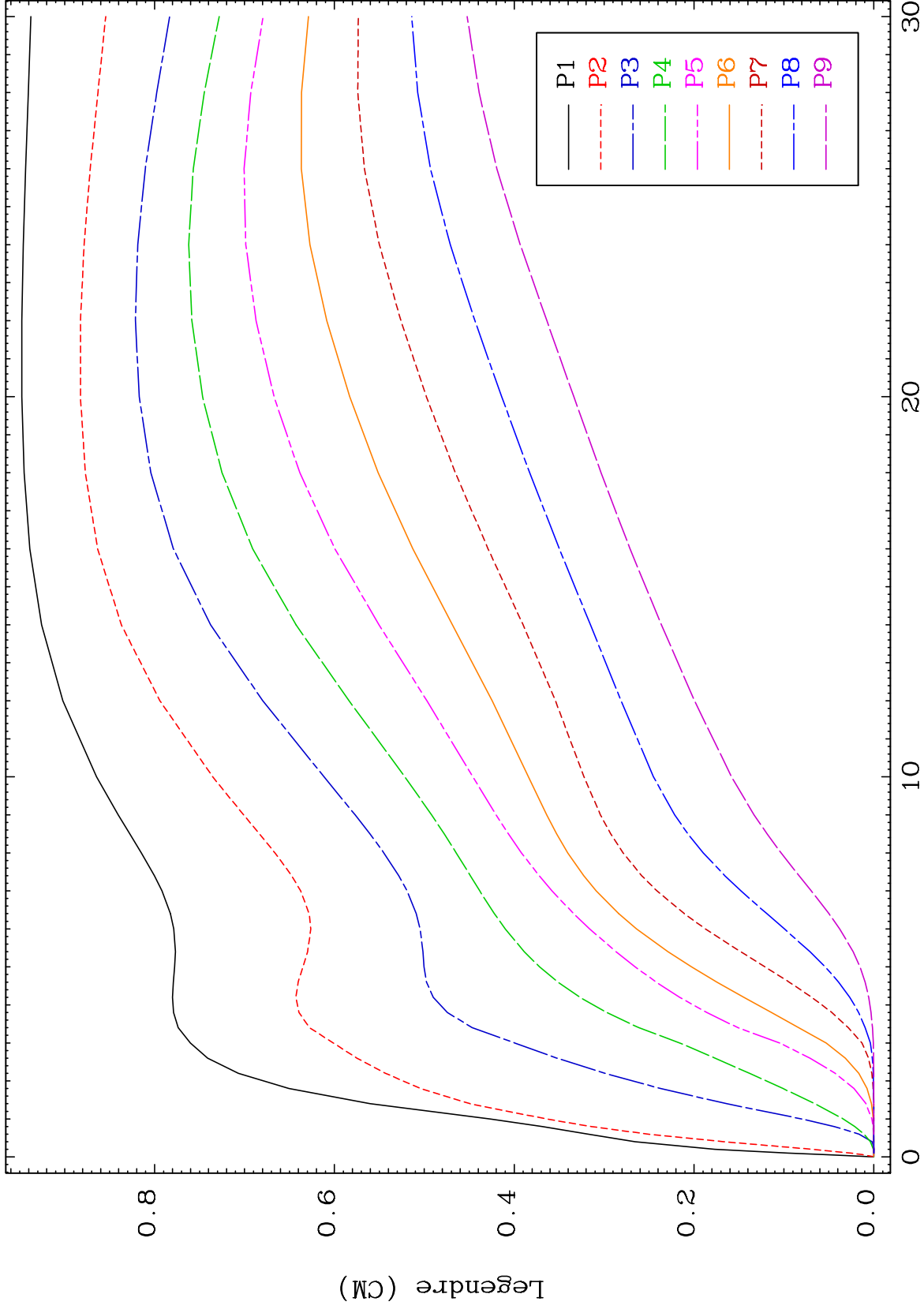




MAT 6443

Elastic Legendre Coefficients

64-Gd-158



16

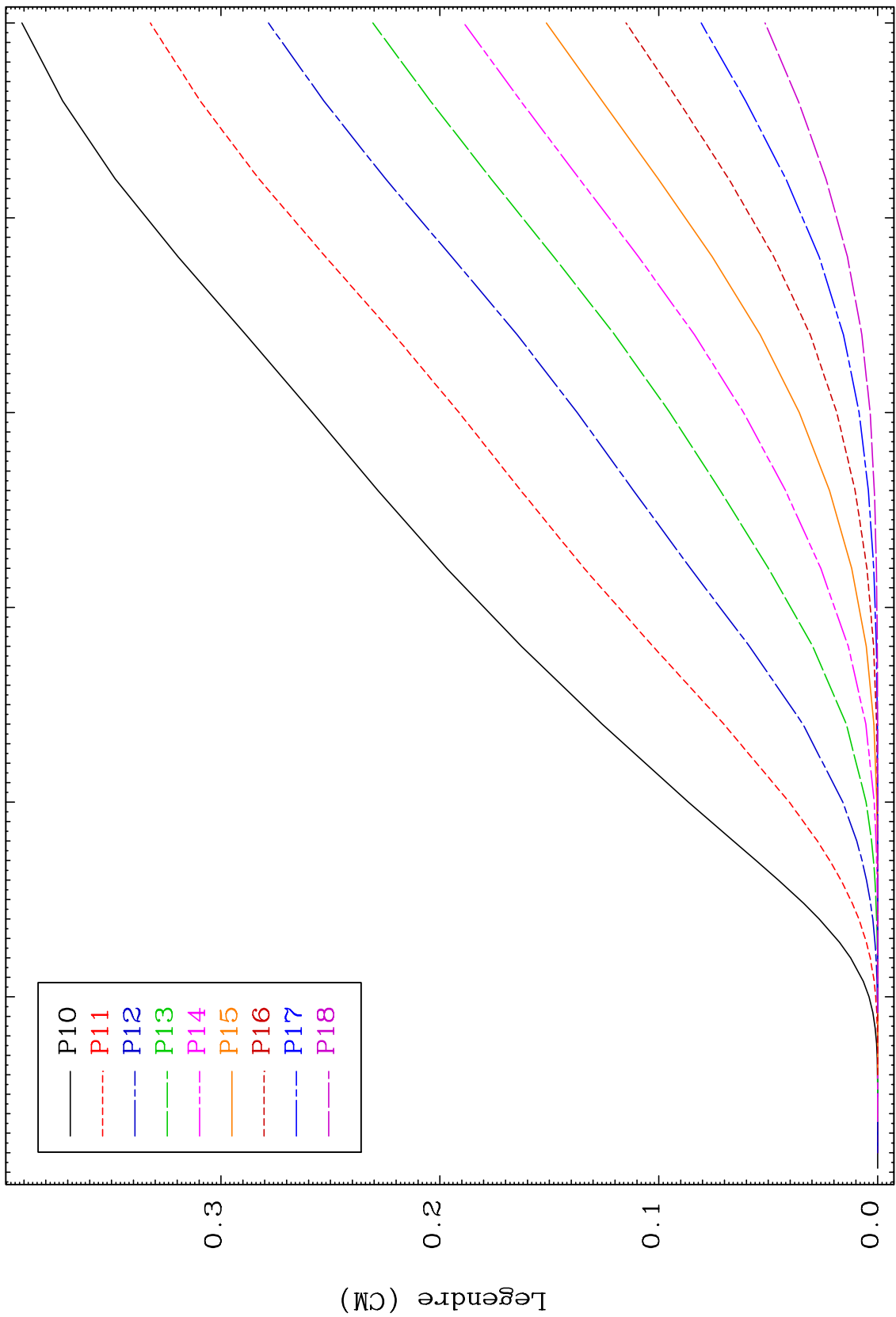
Incident Energy (MeV)

64-Gd-158

MAT 6443

Elastic Legendre Coefficients

64-Gd-158



17

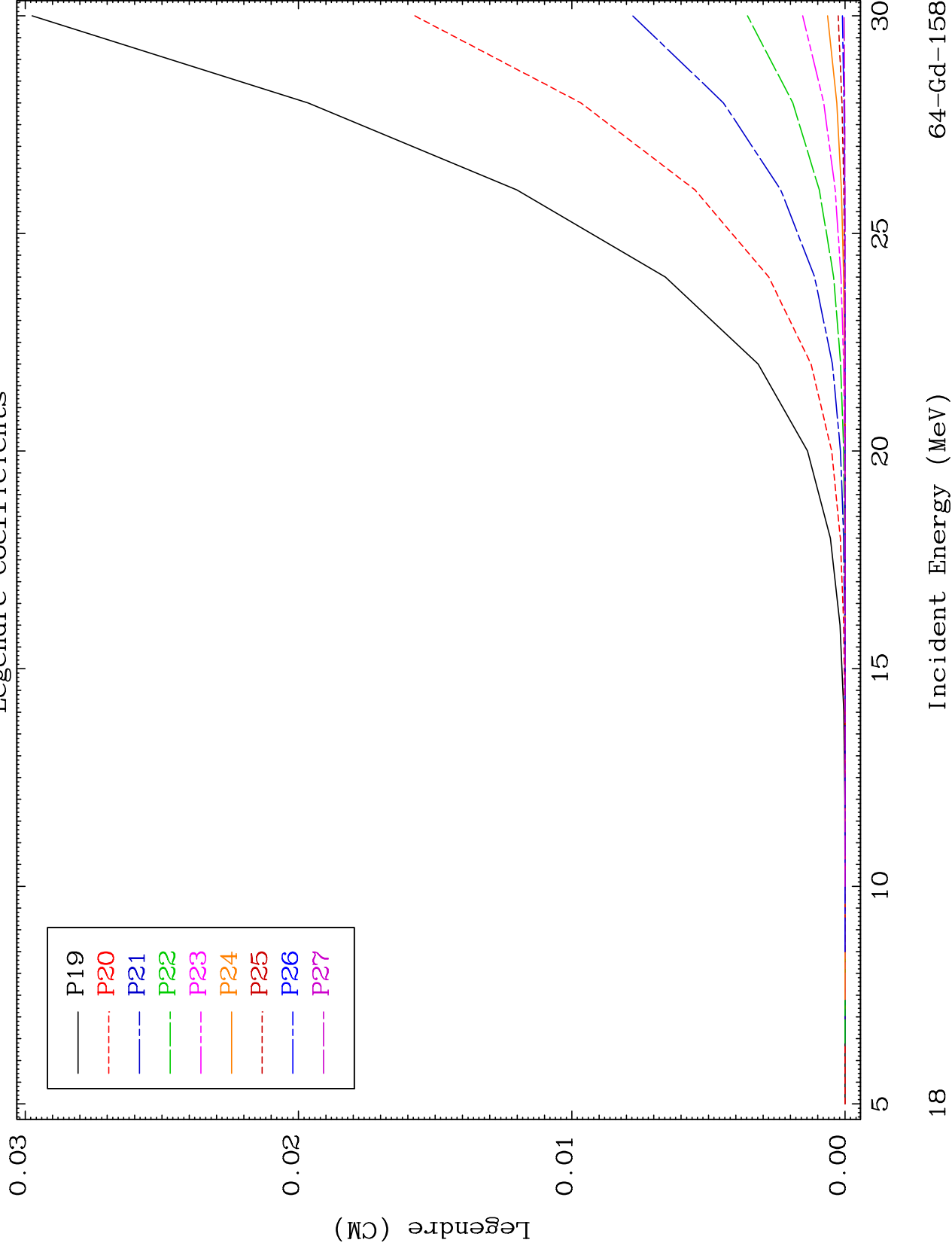
64-Gd-158

Incident Energy (MeV)

MAT 6443

Elastic  
Legendre Coefficients

64-Gd-158



18

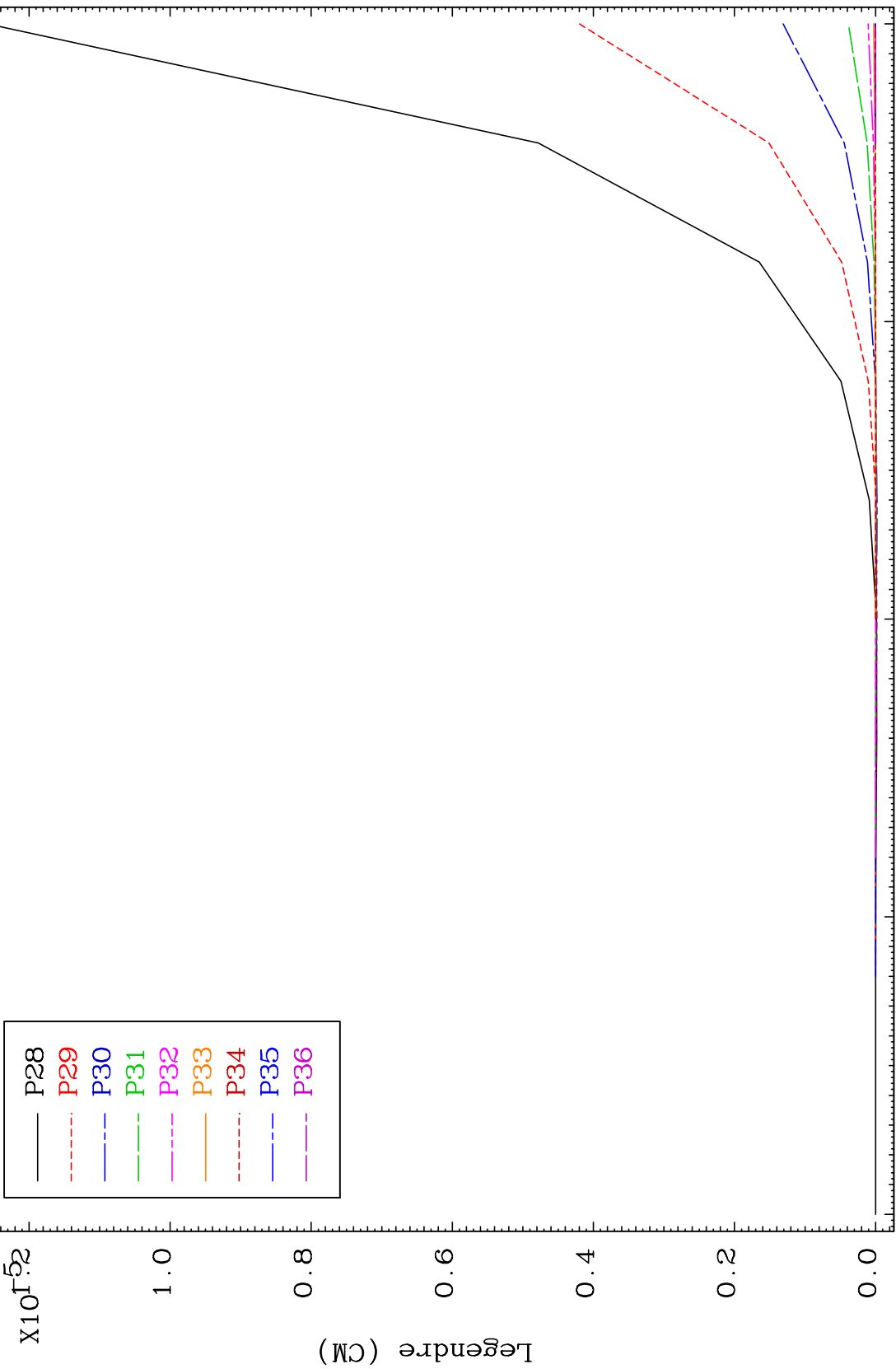
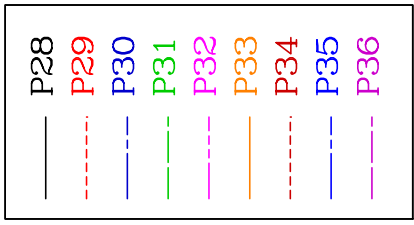
Incident Energy (MeV)

64-Gd-158

MAT 6443

Elastic Legendre Coefficients

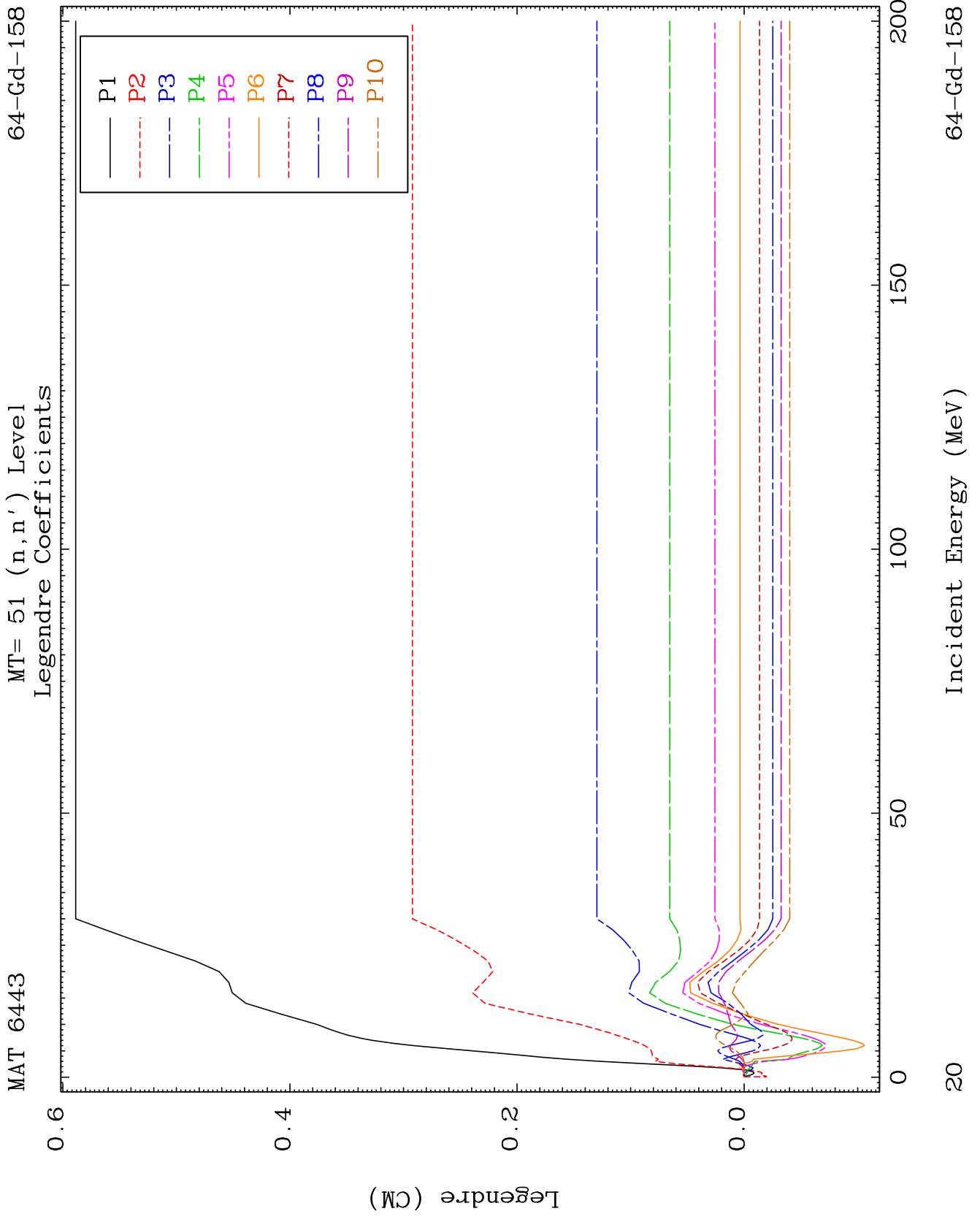
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19

Incident Energy (MeV)

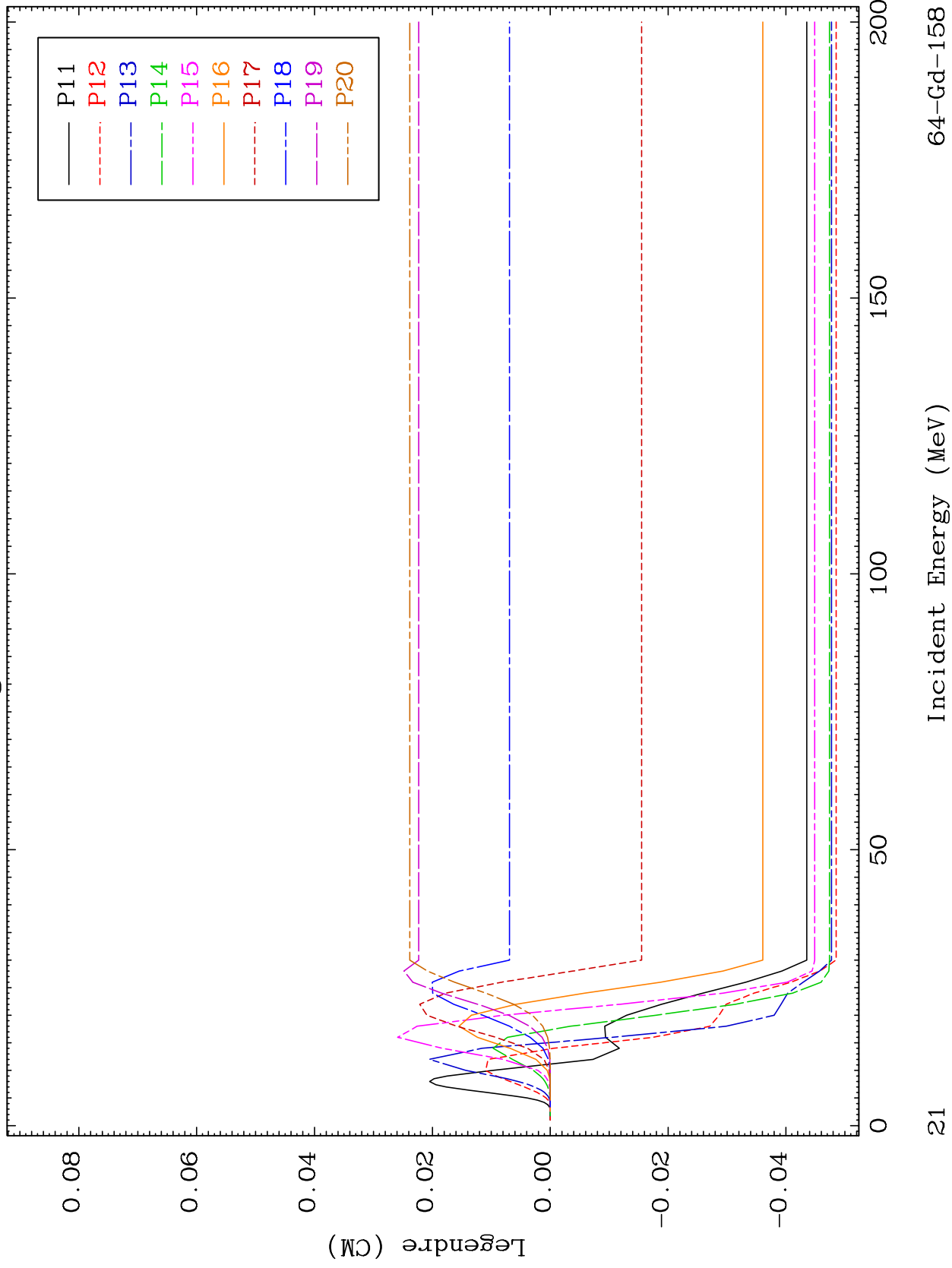
64-Gd-158



MAT 6443

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

64-Gd-158



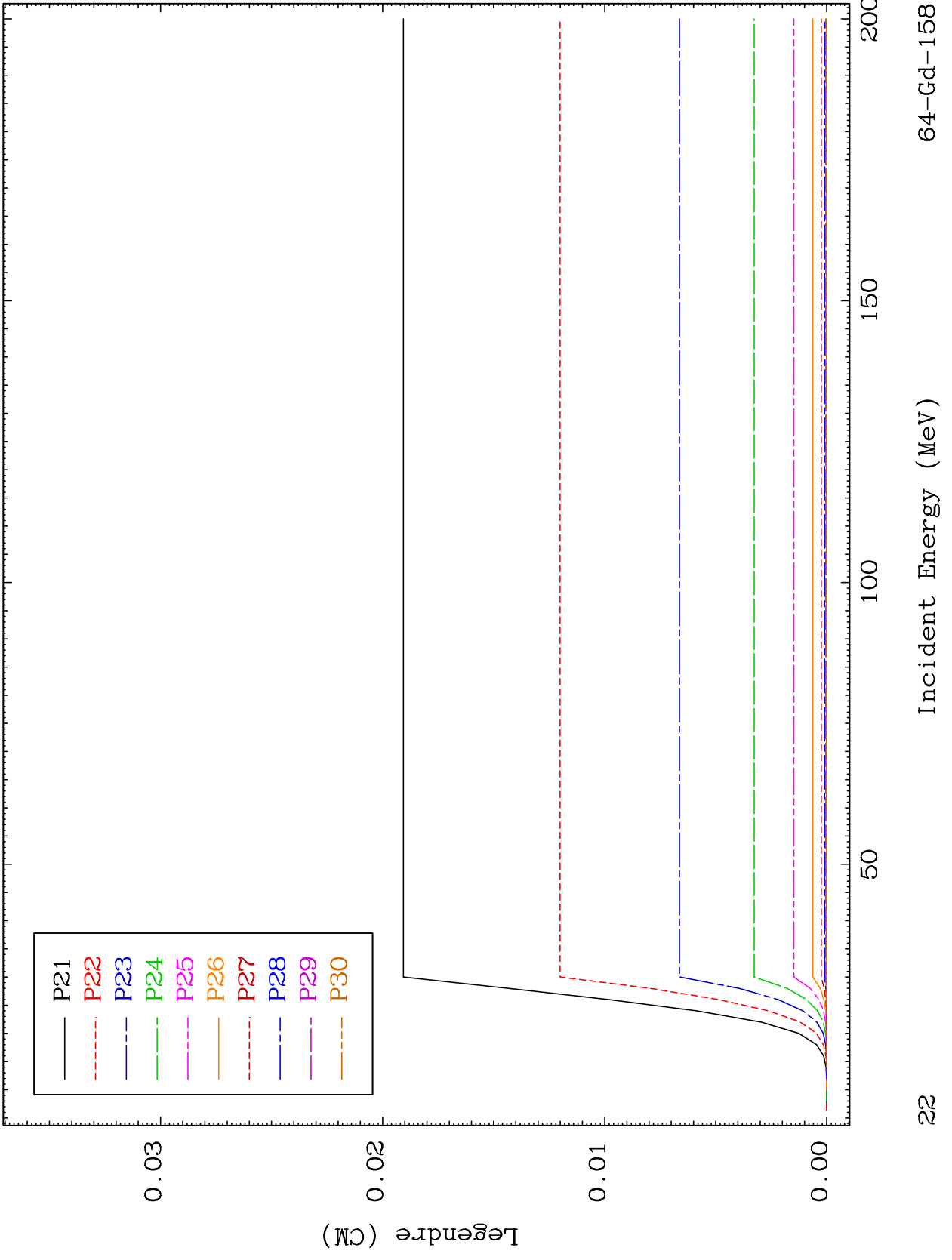
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64-Gd-158

MAT 6443

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

64-Gd-158



22

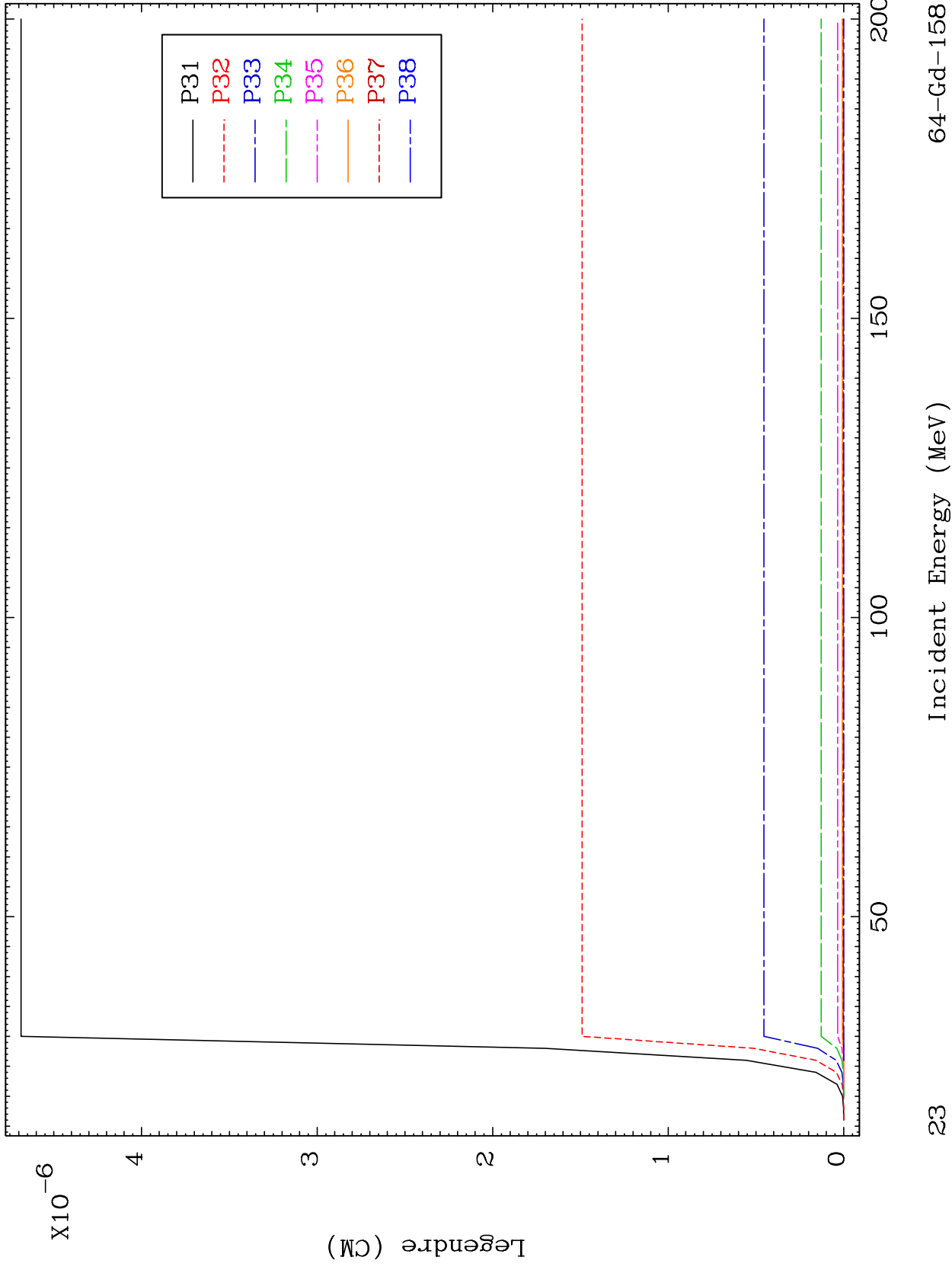
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



23

Incident Energy (MeV)

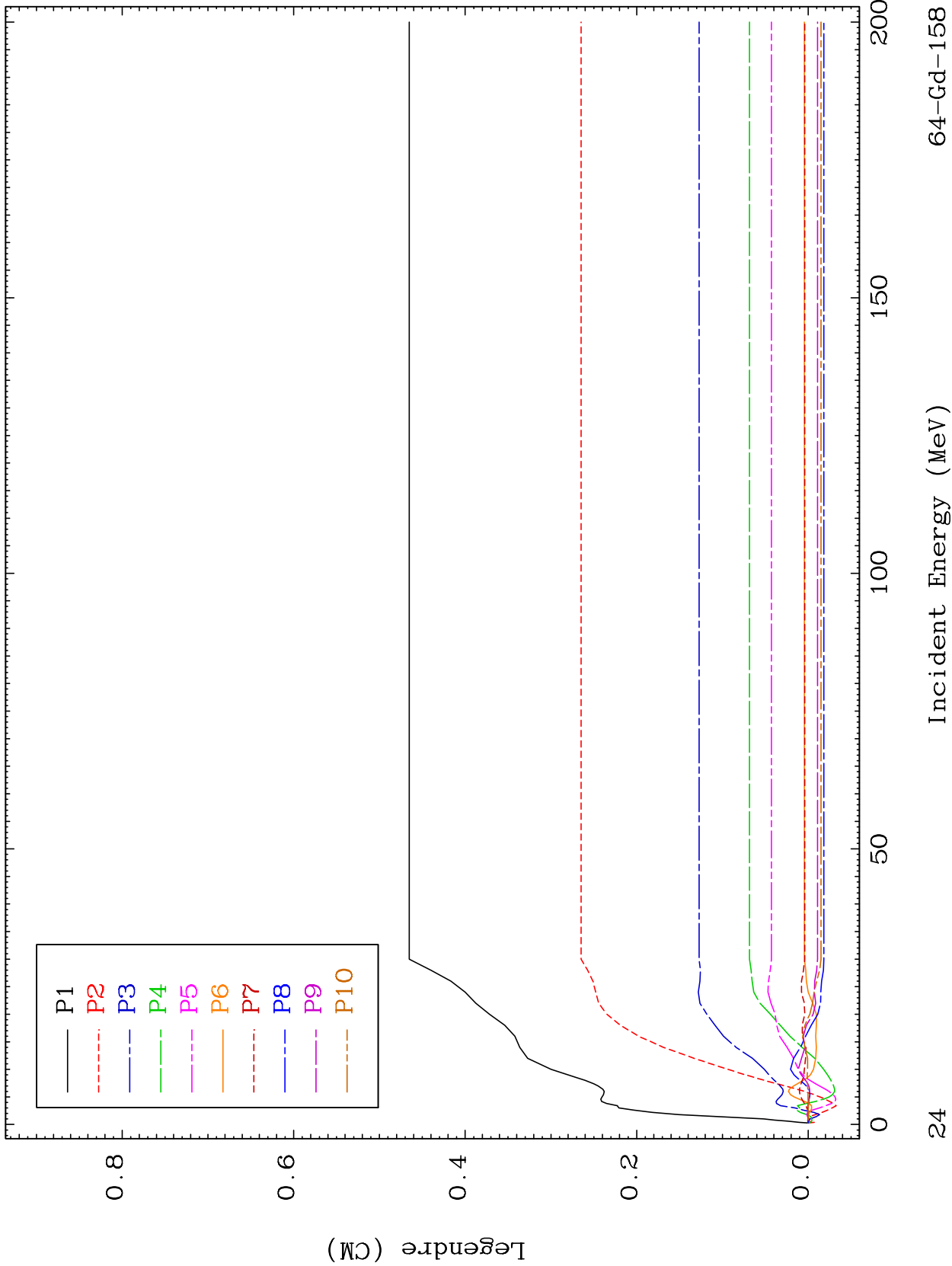
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MAT 6443

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

64-Gd-158

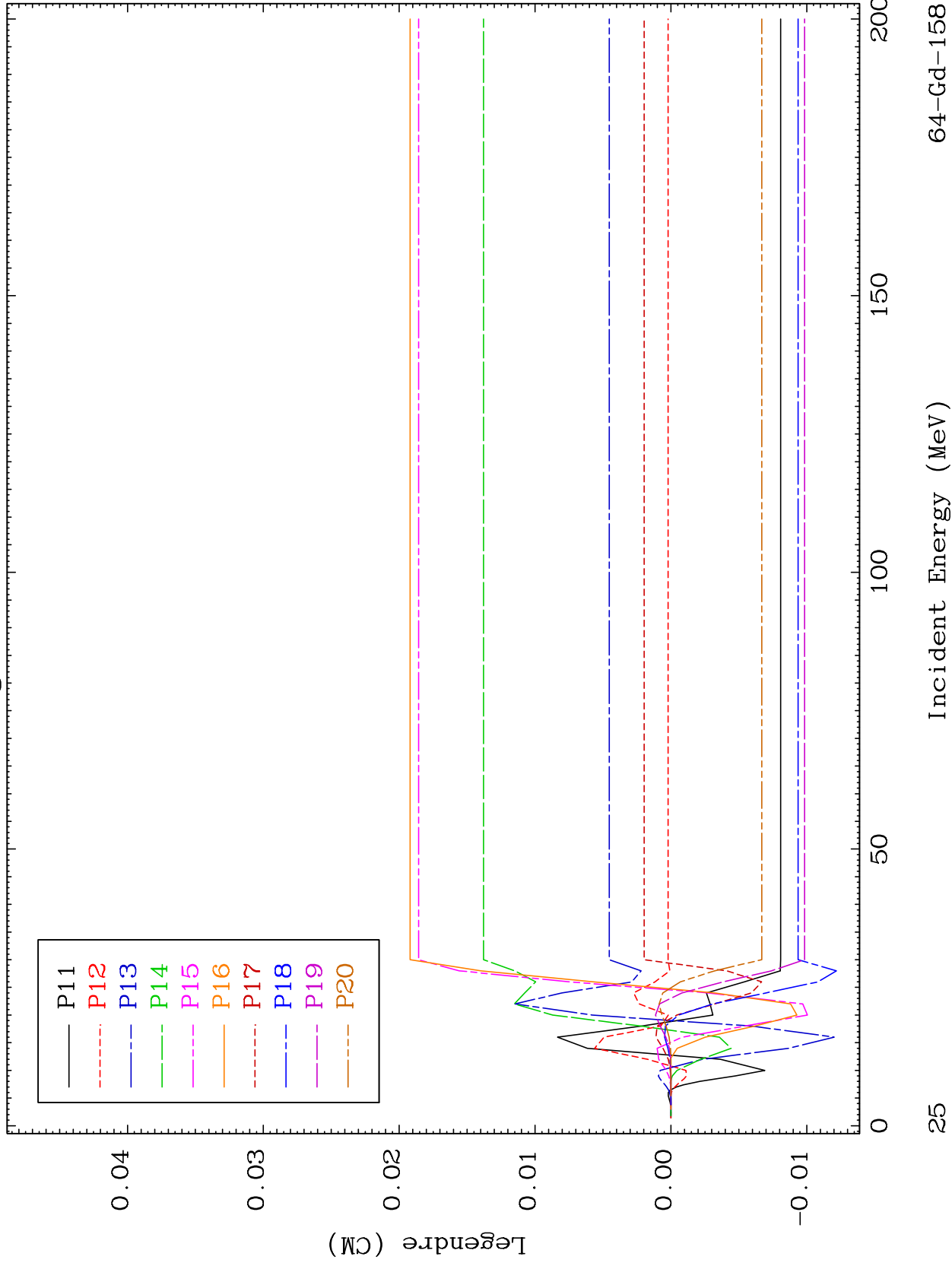


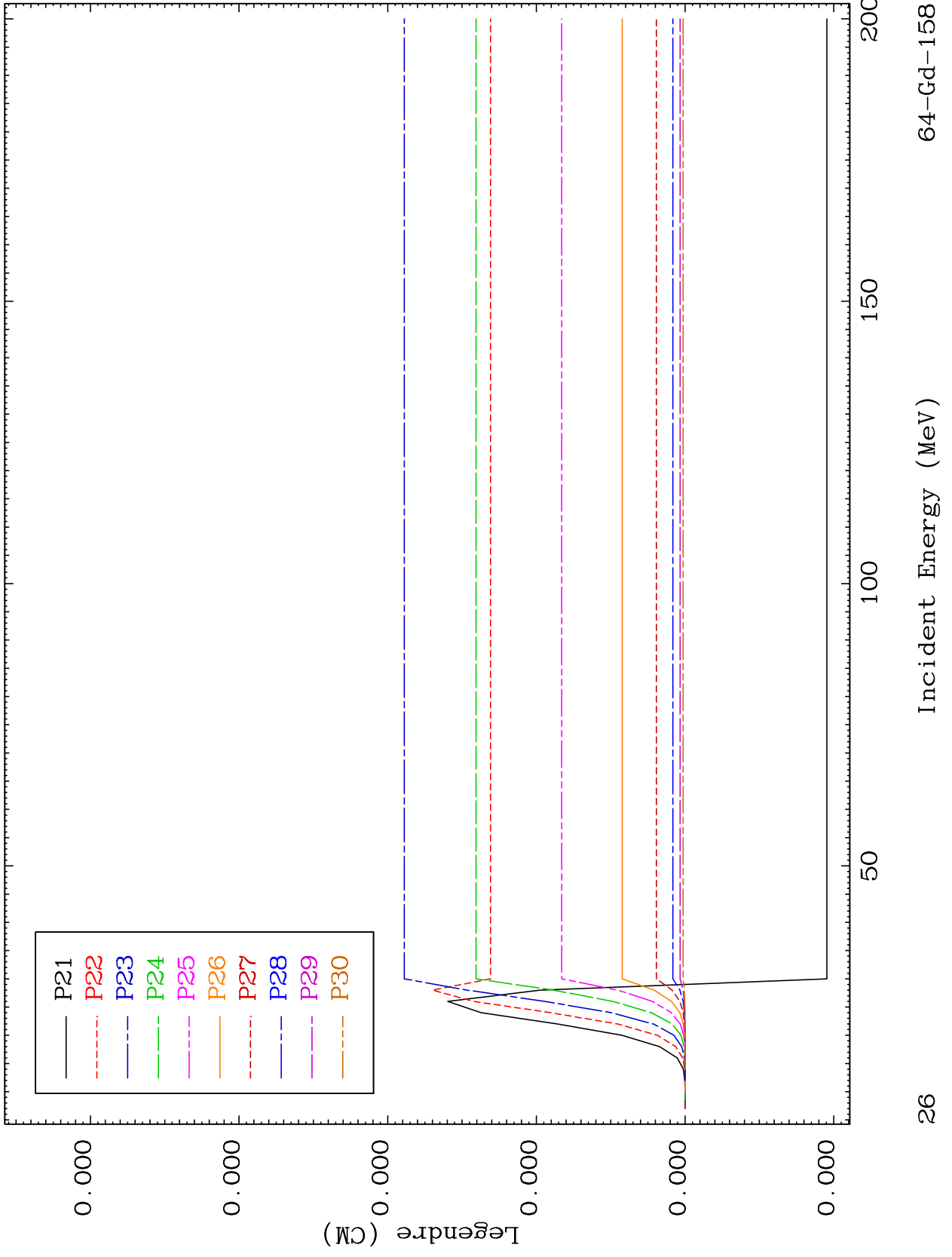
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MAT 6443

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

64-Gd-158

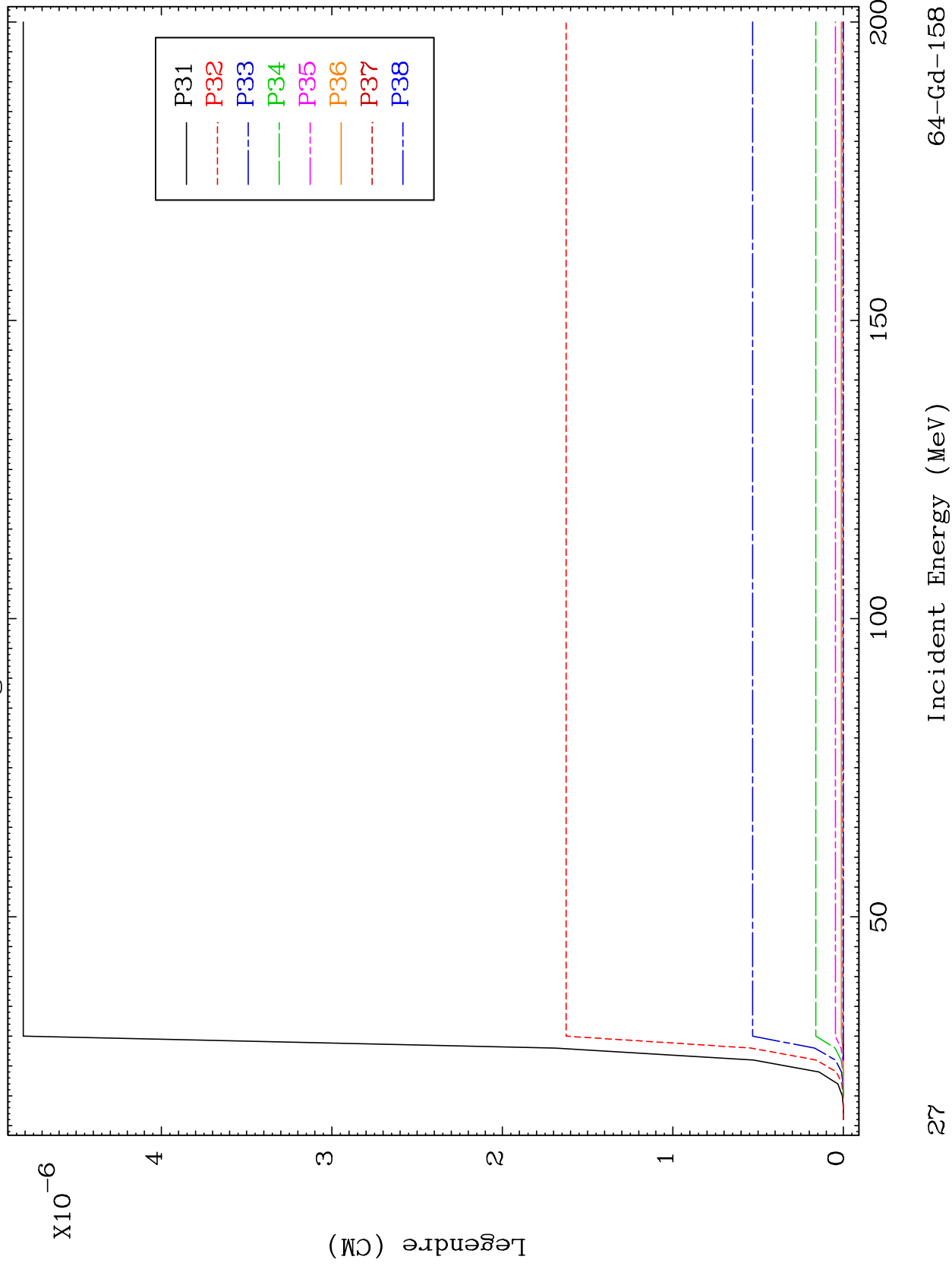




MAT 6443

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

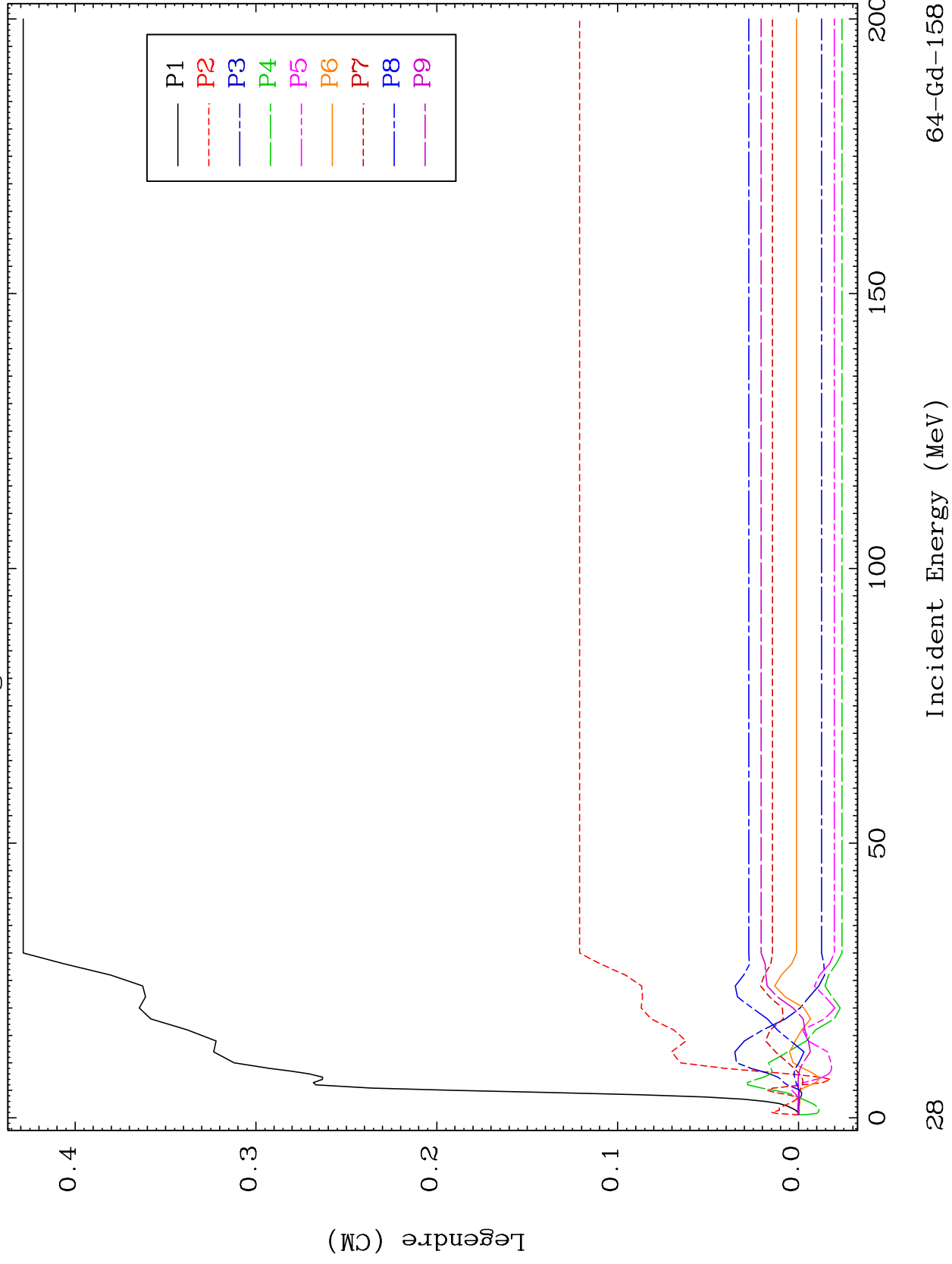
64-Gd-158



MAT 6443

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

64-Gd-158



64-Gd-158

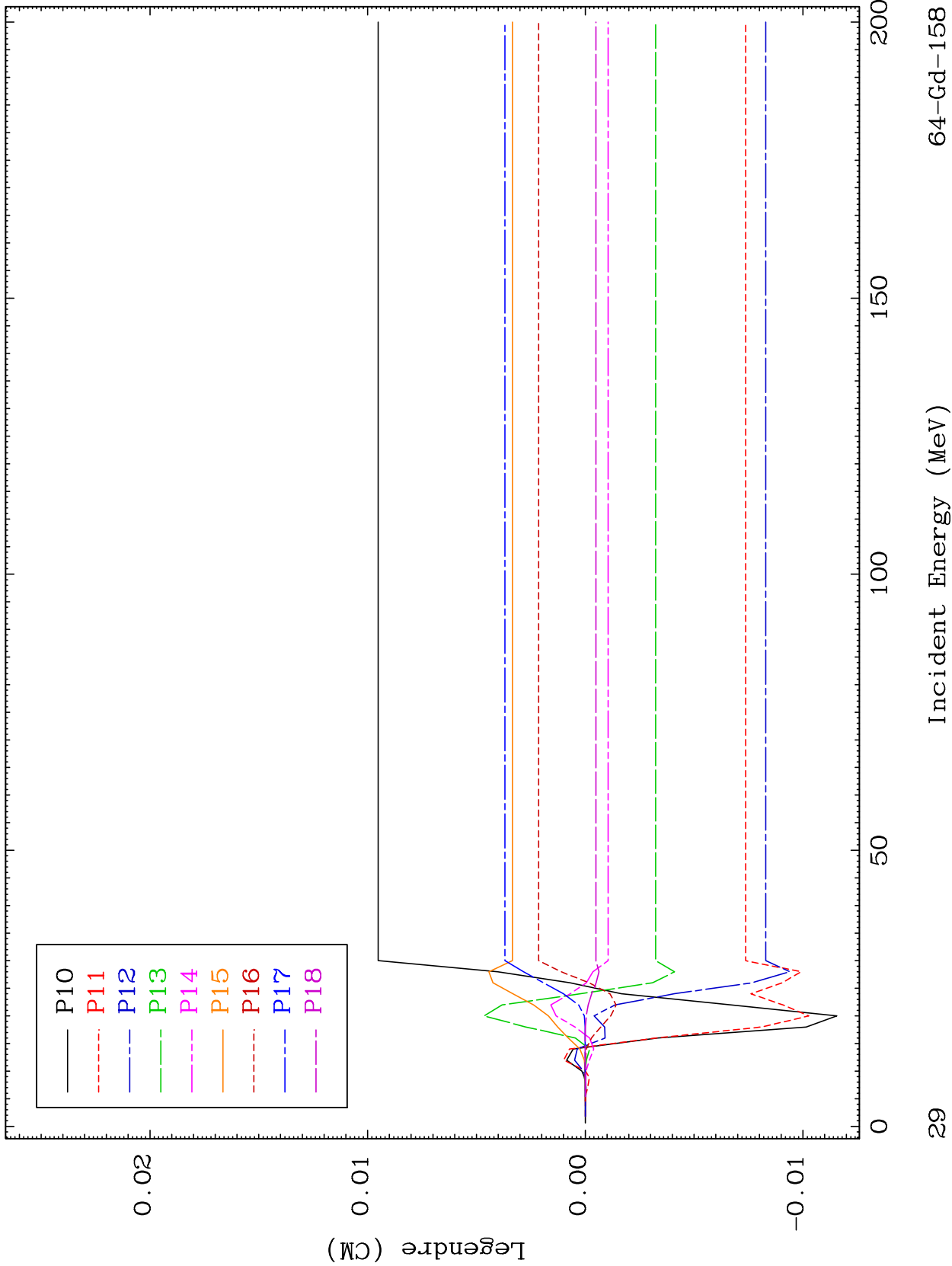
Incident Energy (MeV)

28

MAT 6443

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

64-Gd-158



29

Incident Energy (MeV)

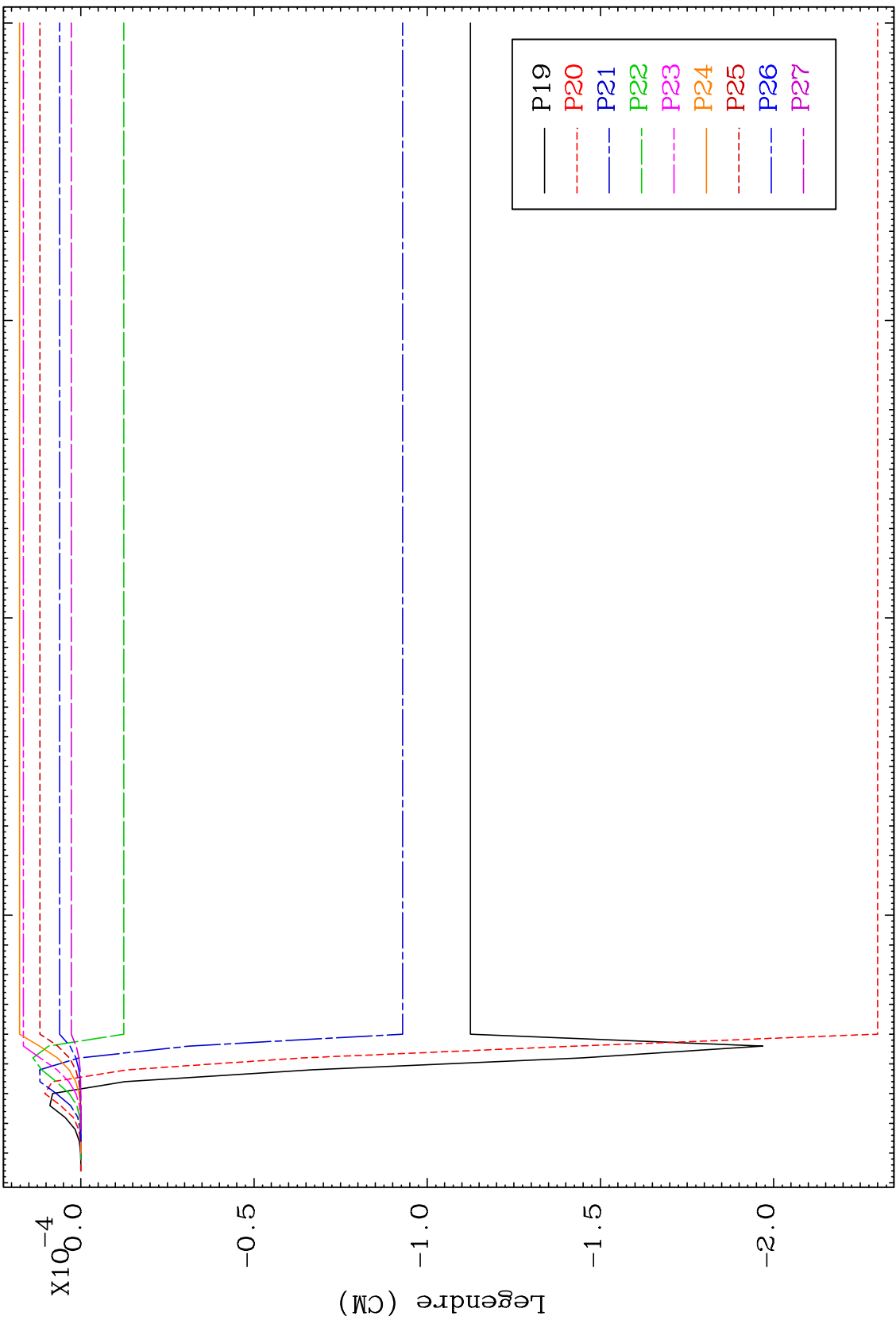
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MAT 6443

MT= 53 (n,n') Level

64-Gd-158

Legendre Coefficients



64-Gd-158

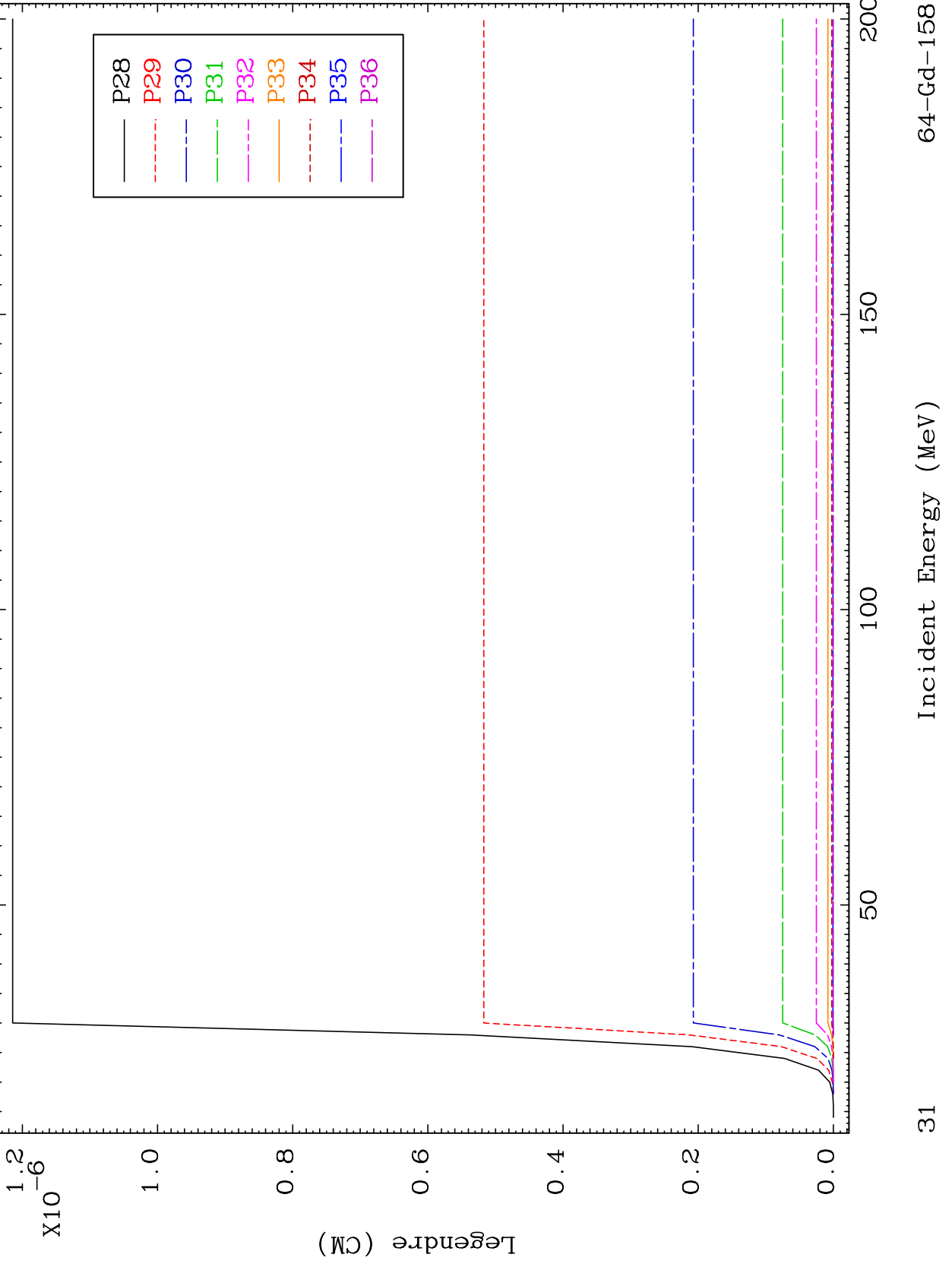
Incident Energy (MeV)

30

MAT 6443

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

64-Gd-158



31

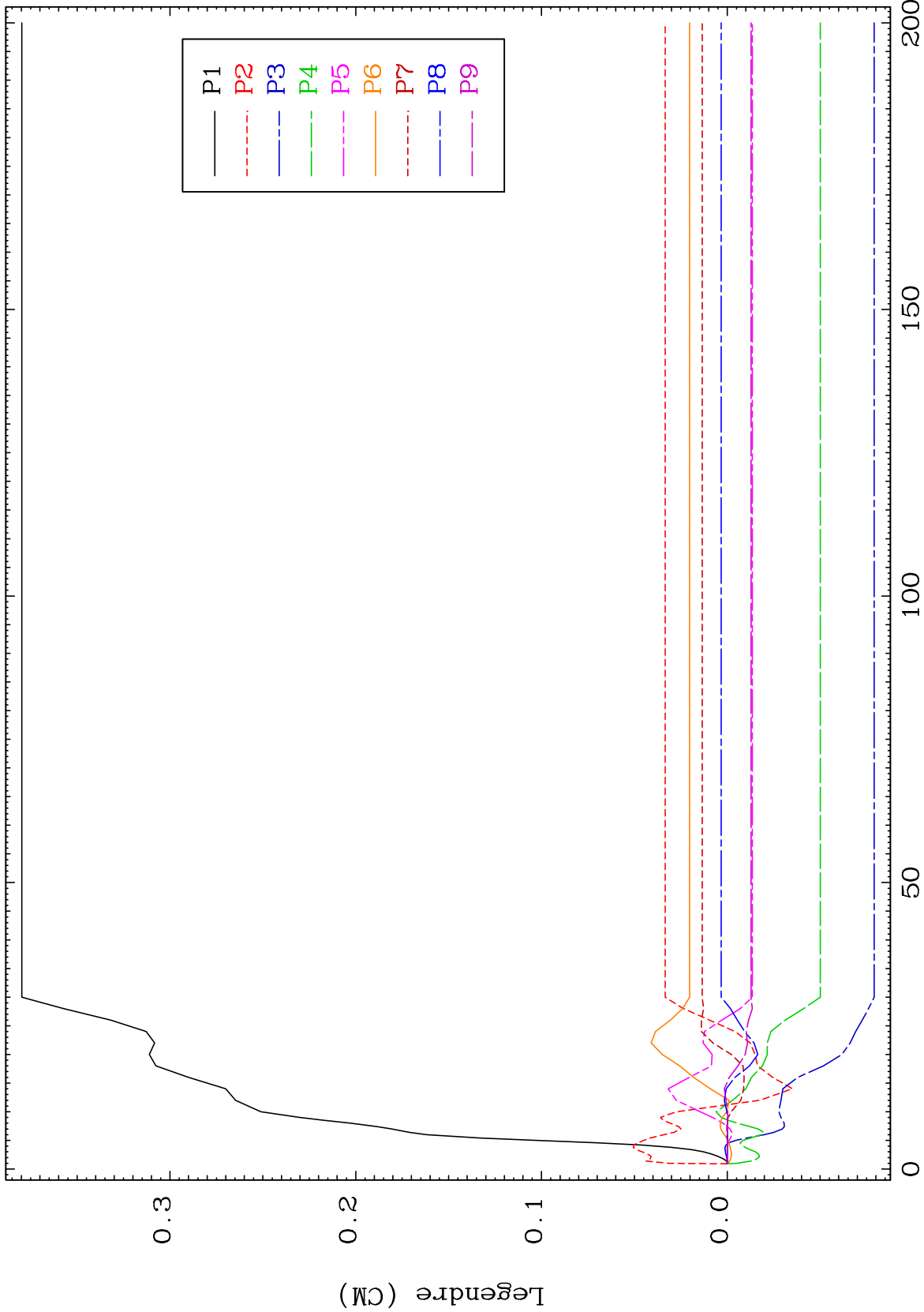
64-Gd-158



MAT 6443

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

64-Gd-158



32

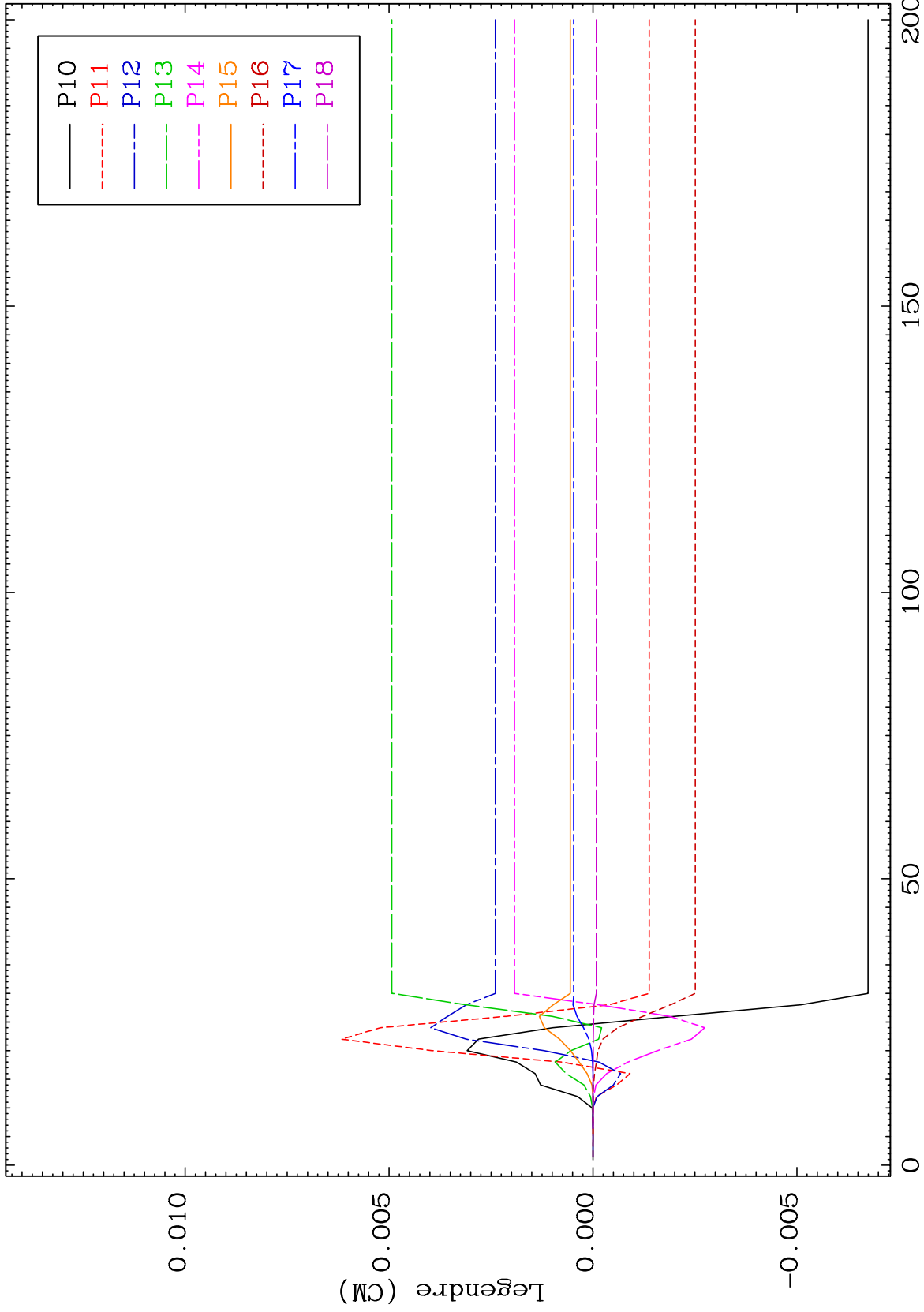
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



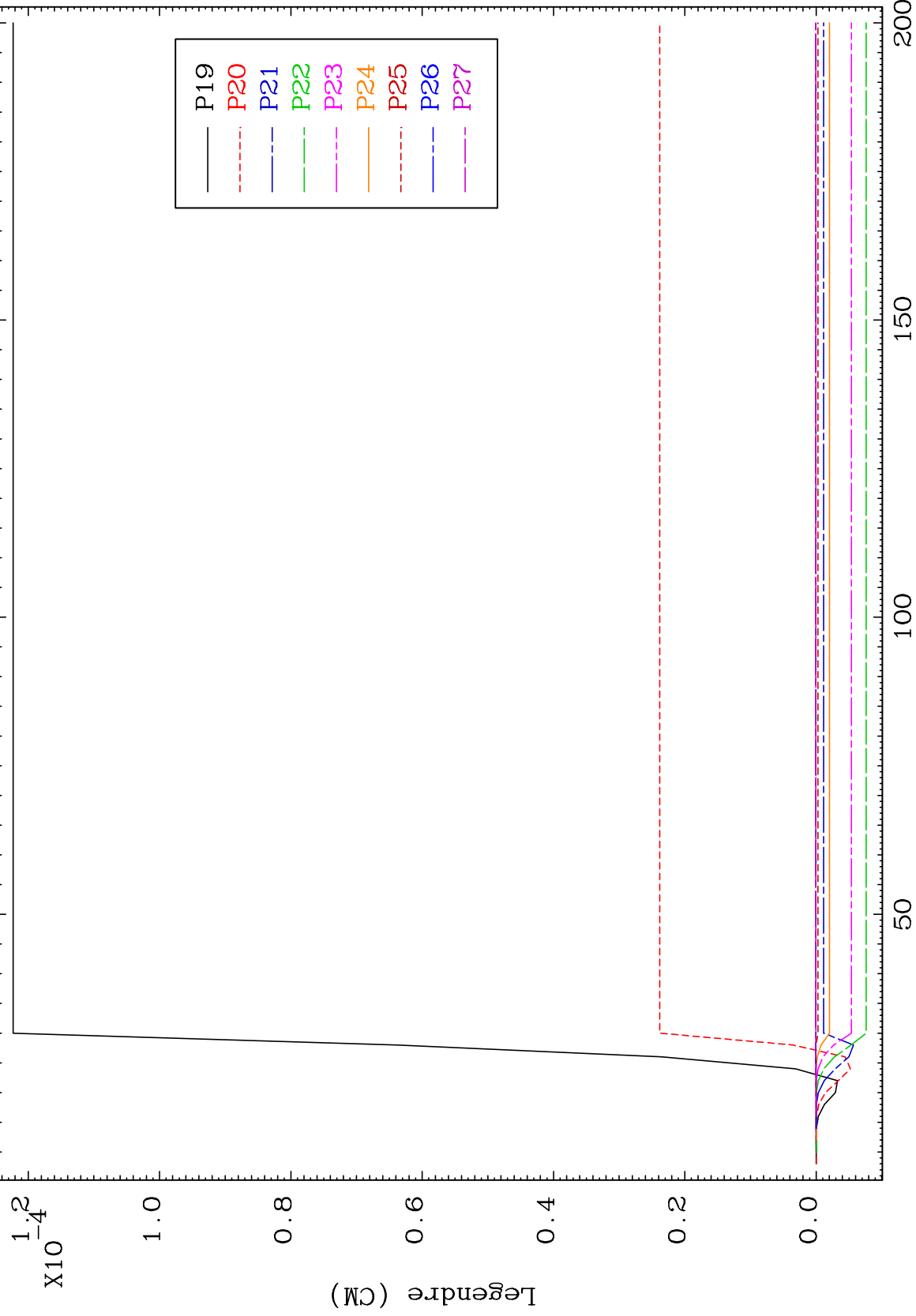
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64-Gd-158

MAT 6443

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

64-Gd-158



34

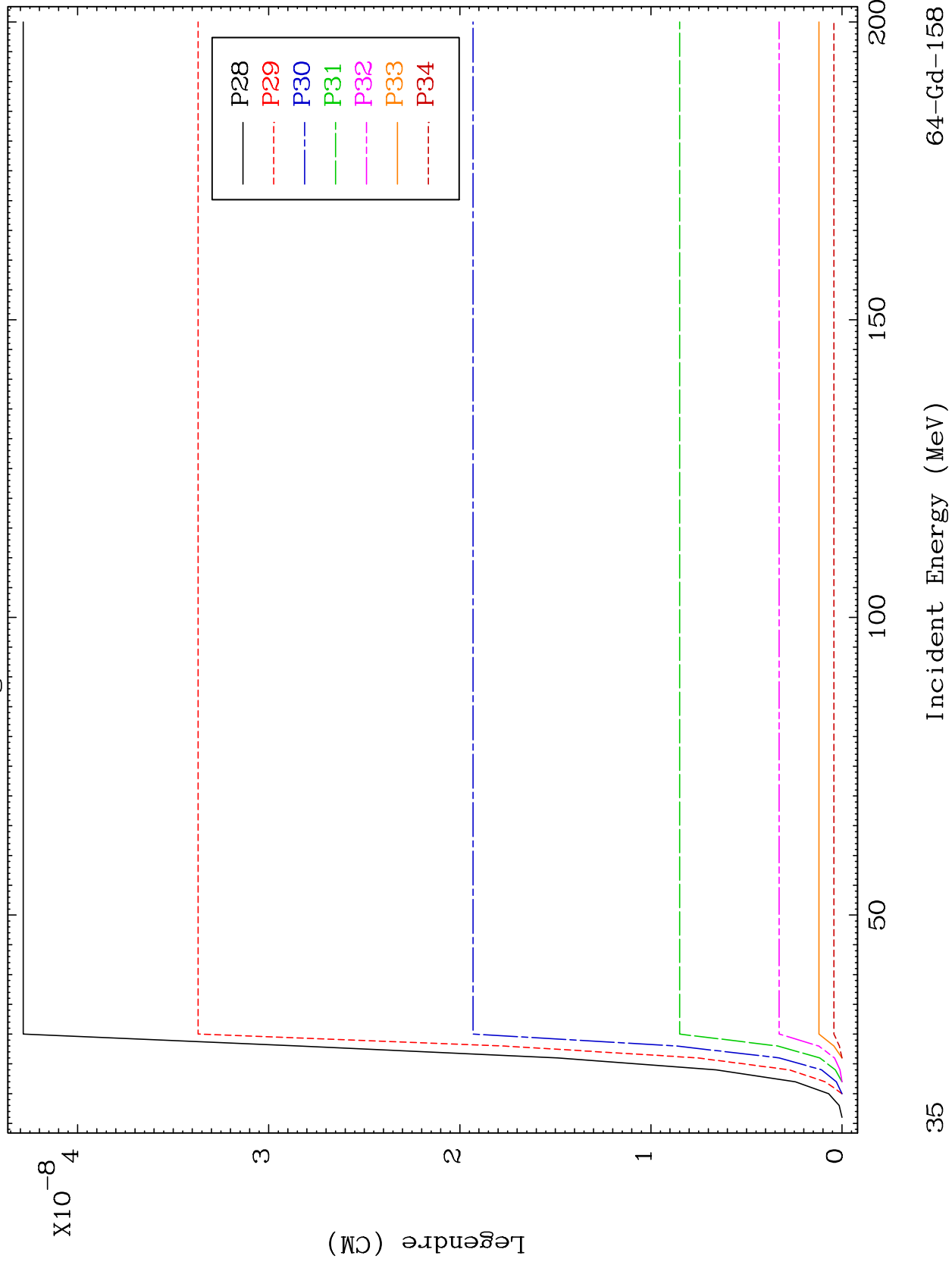
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

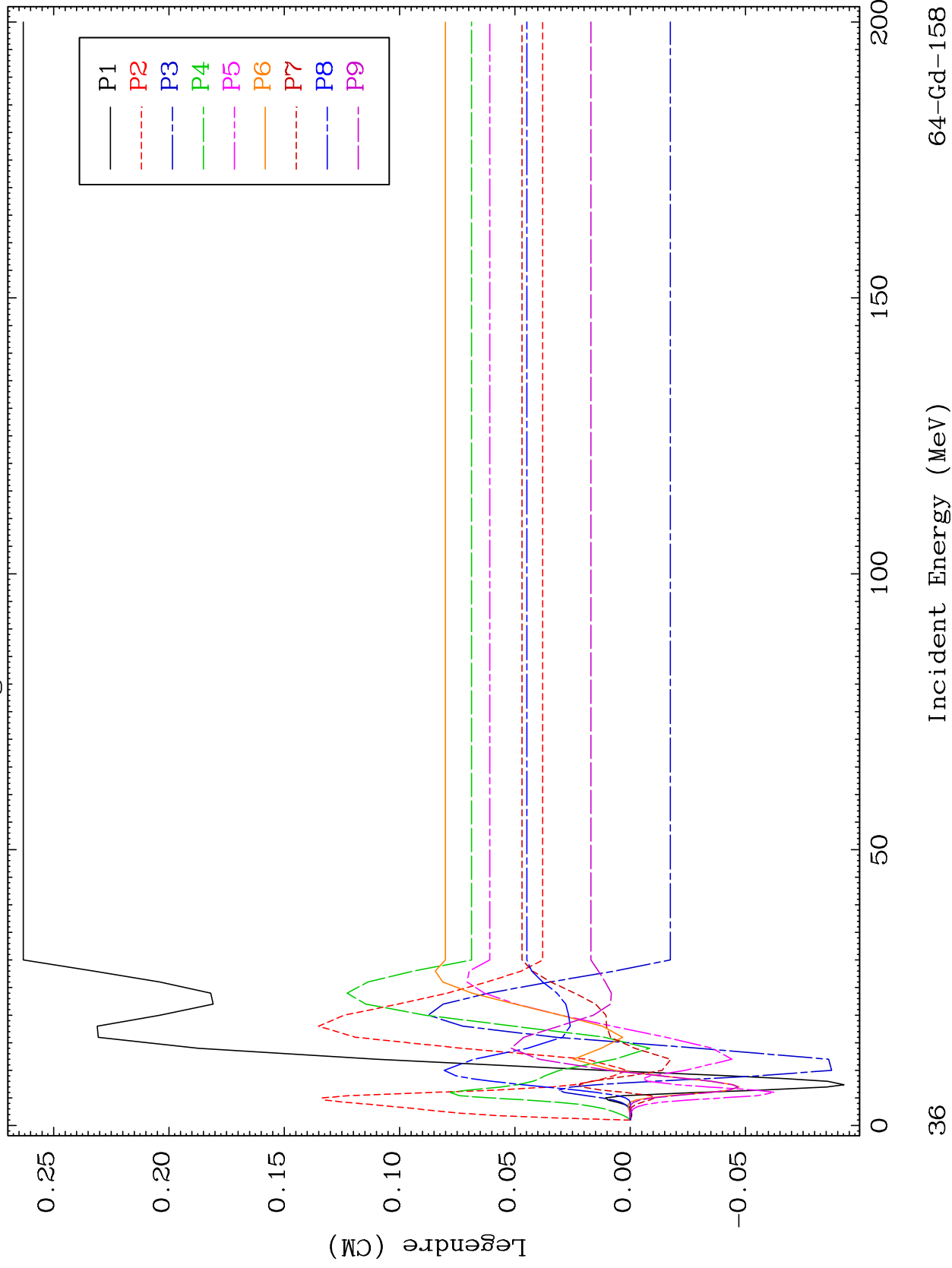
64-Gd-158



MAT 6443

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

64-Gd-158



36

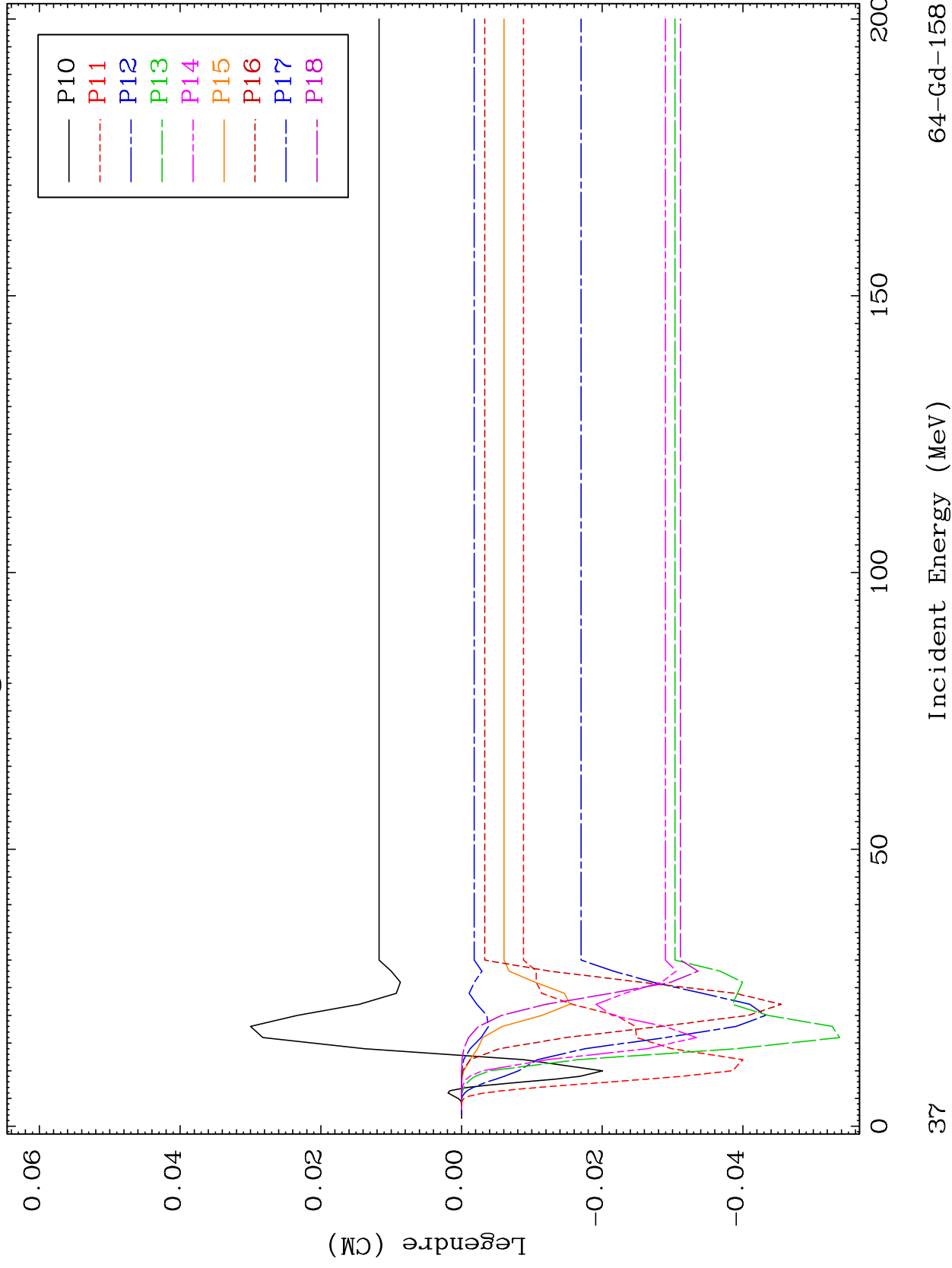
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



64-Gd-158

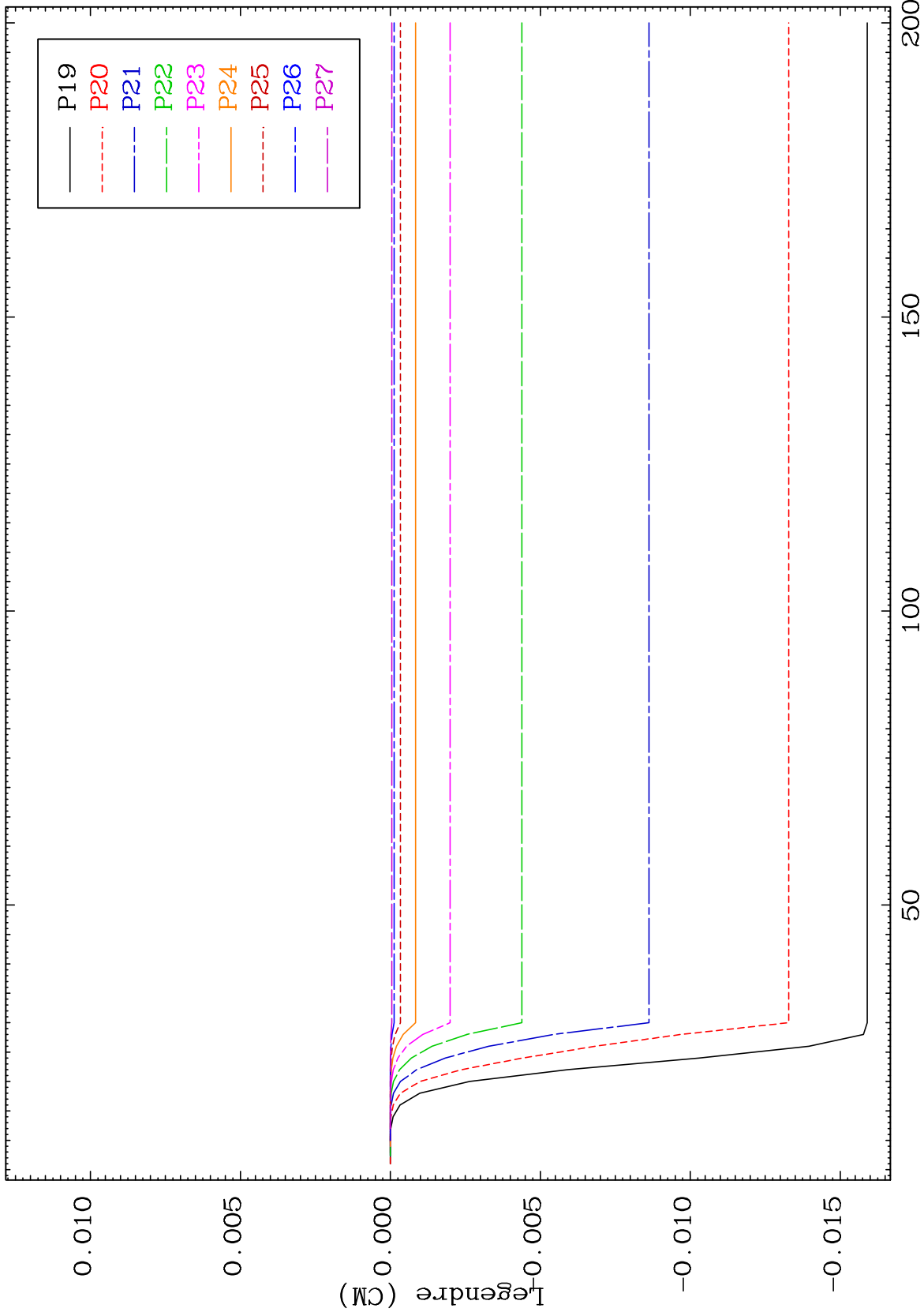
Incident Energy (MeV)

37

MAT 6443

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

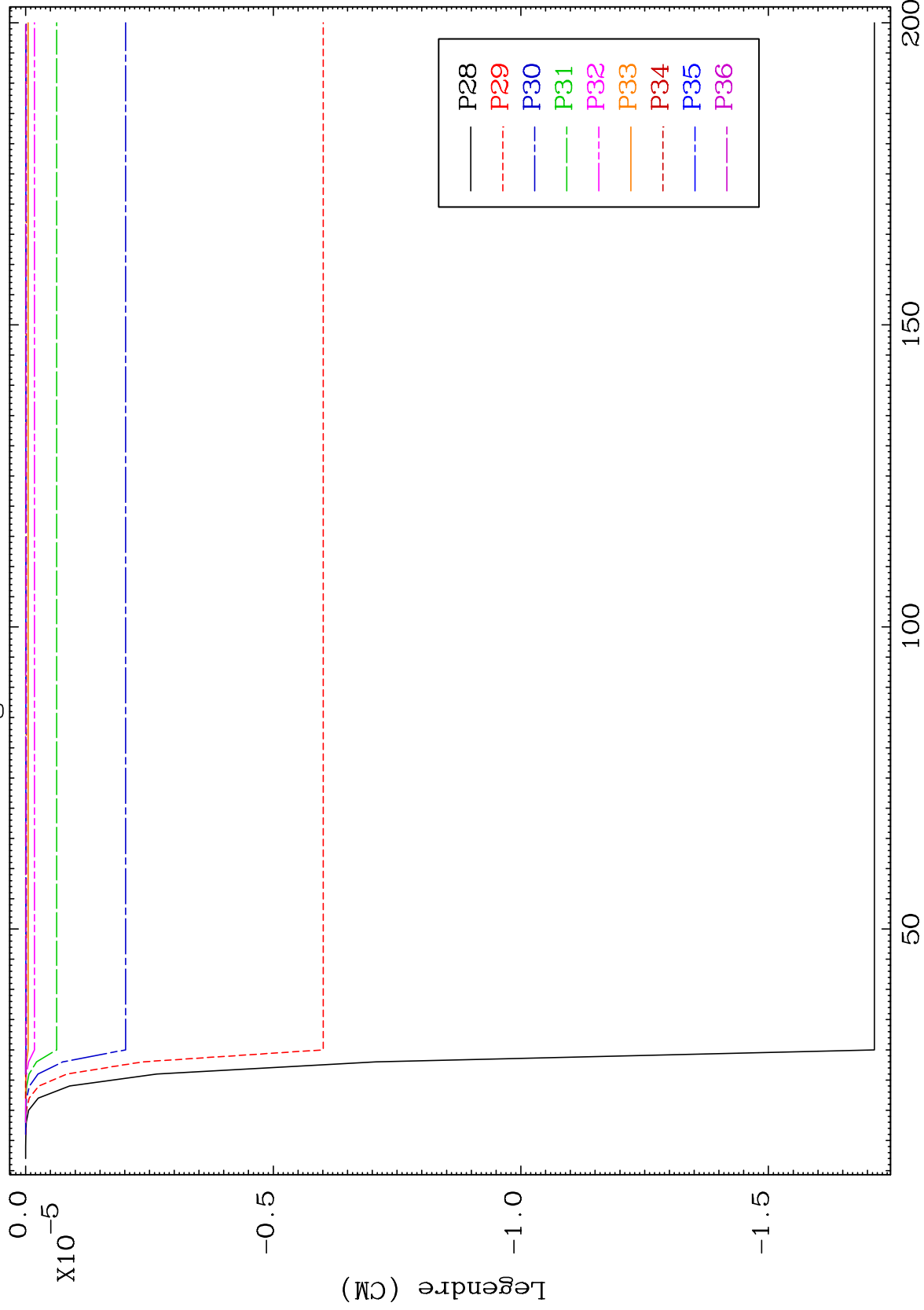
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MAT 6443

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

64-Gd-158

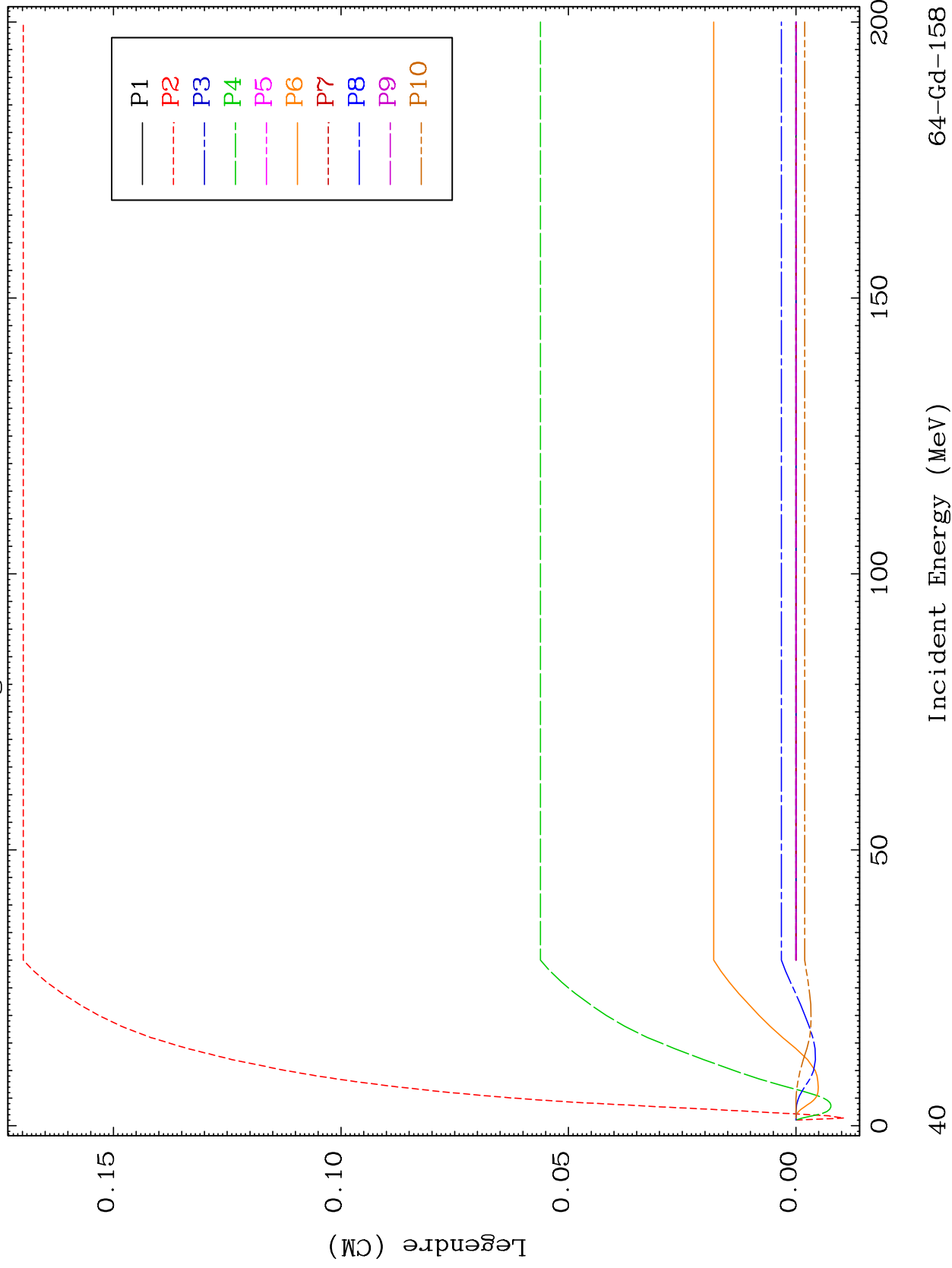




MAT 6443

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

64-Gd-158

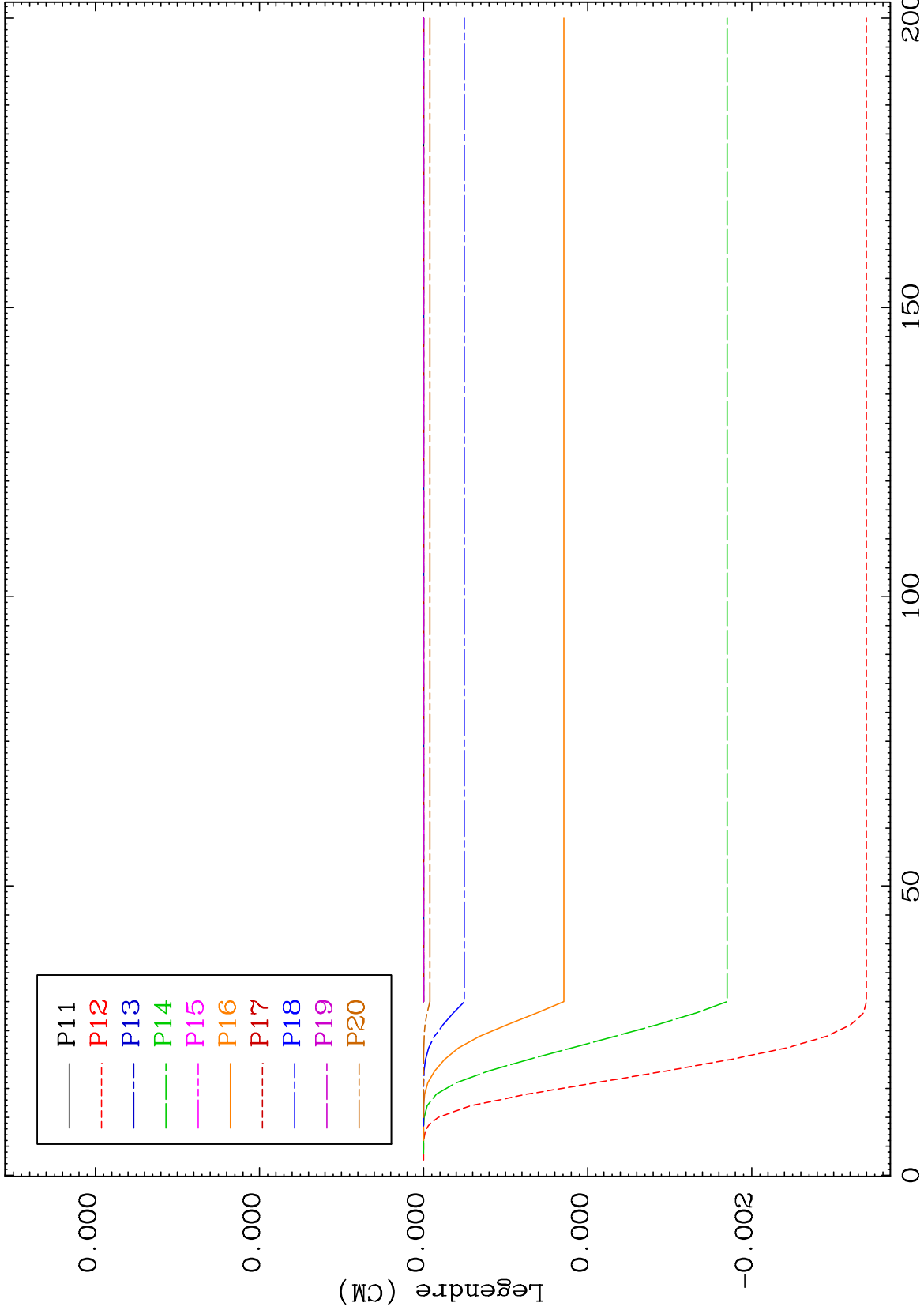


64-Gd-158

MAT 6443

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

64-Gd-158



41

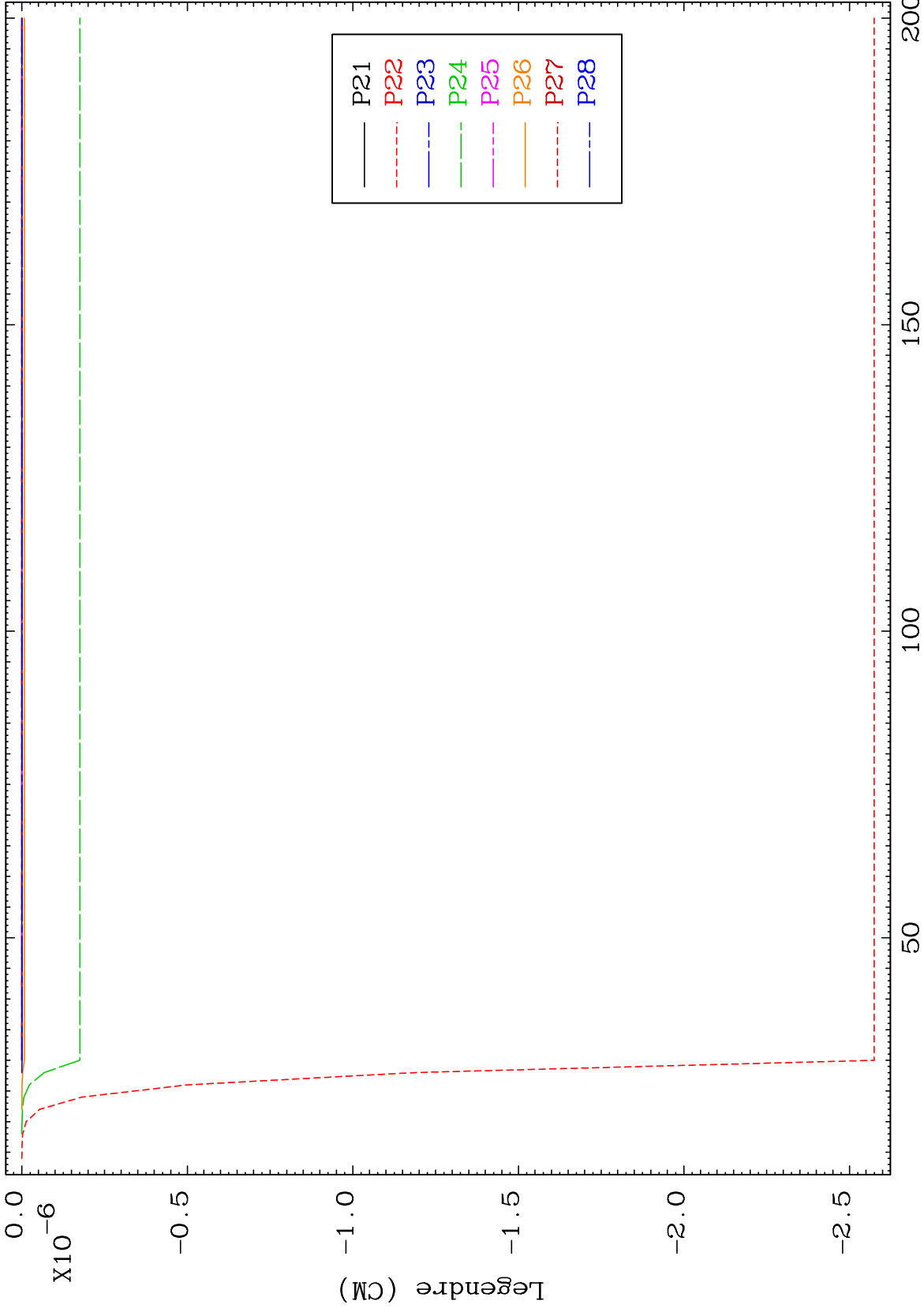
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



42

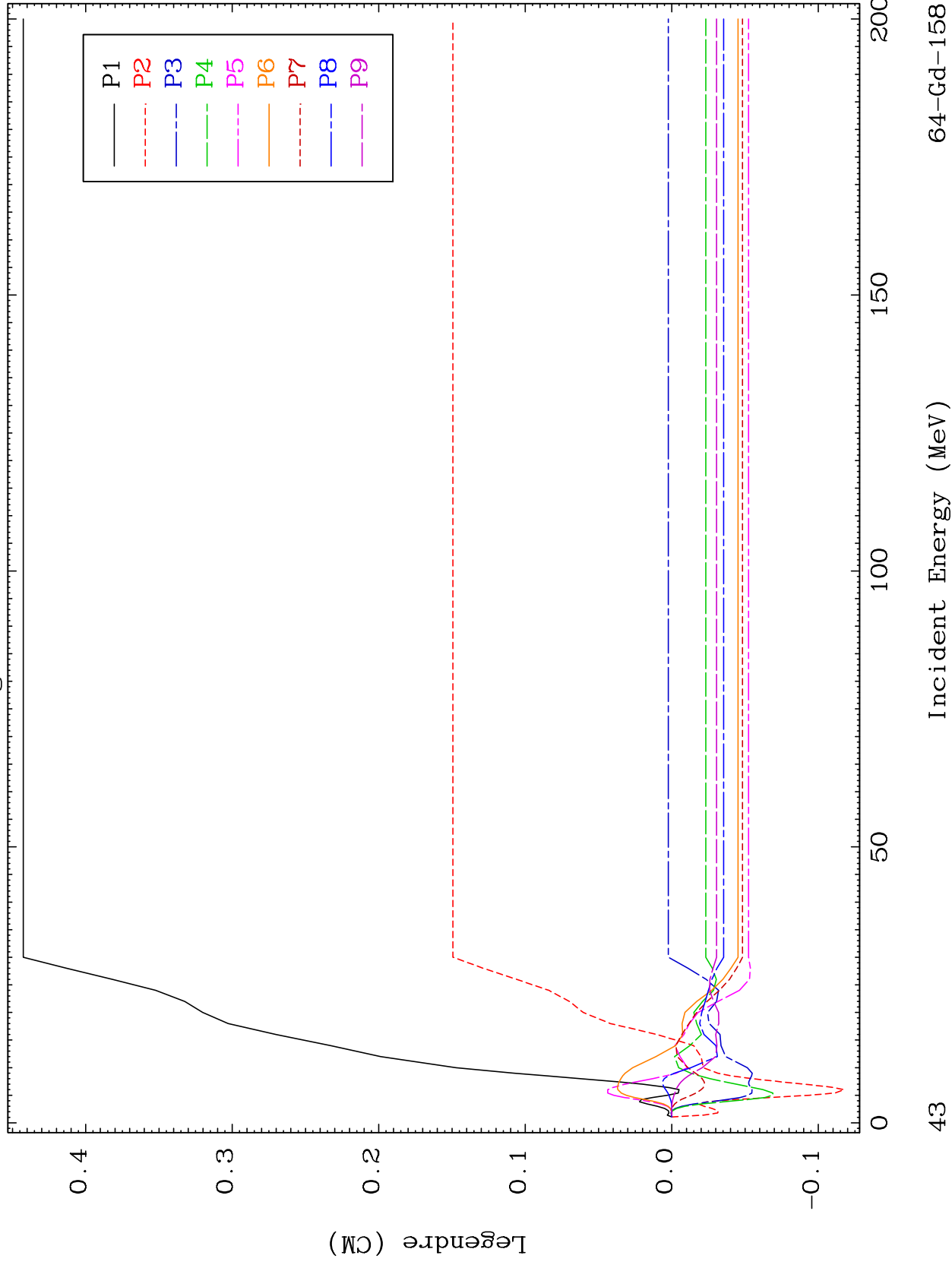
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



64-Gd-158

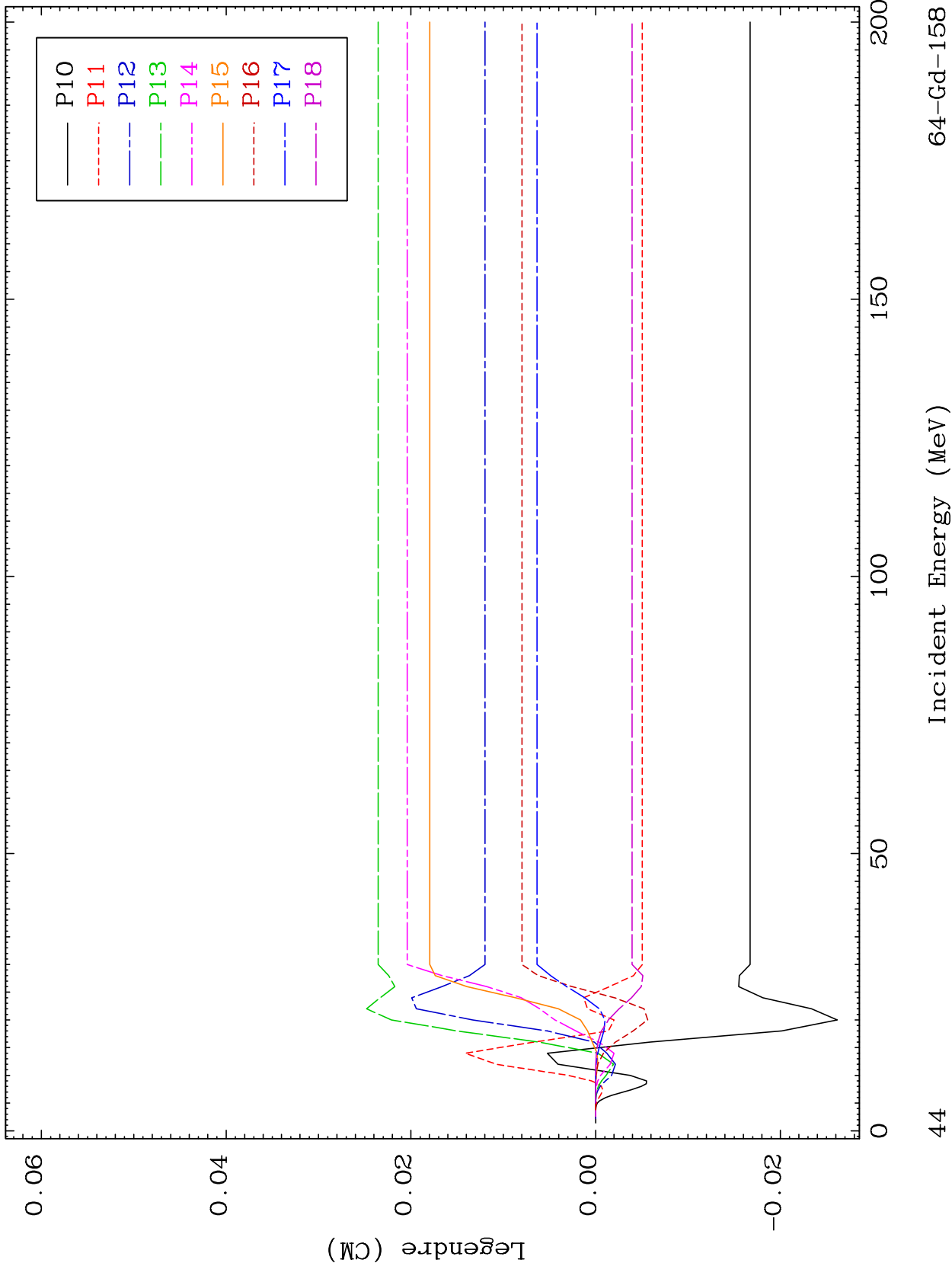
Incident Energy (MeV)

43

MAT 6443

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

64-Gd-158



44

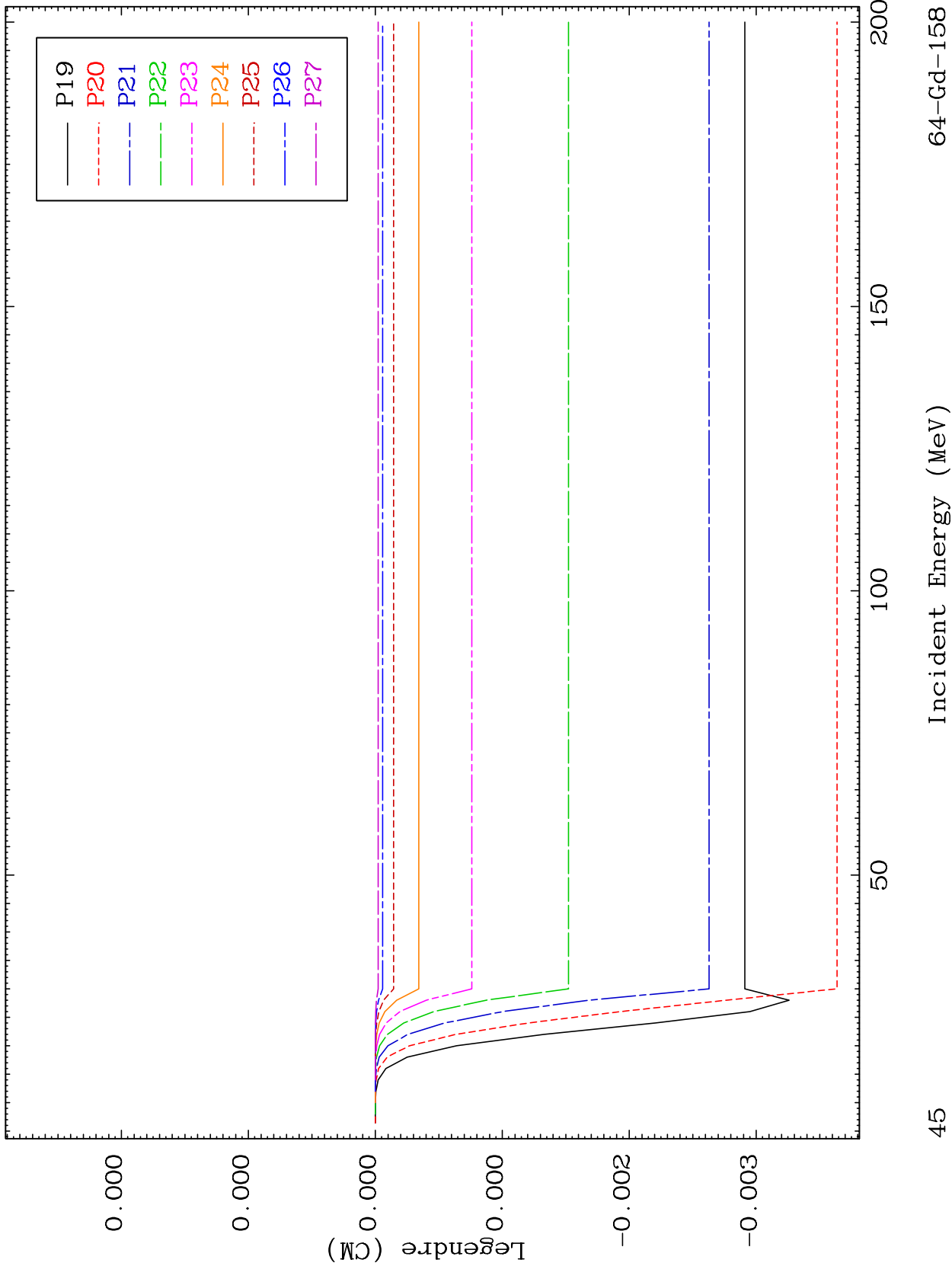
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



45

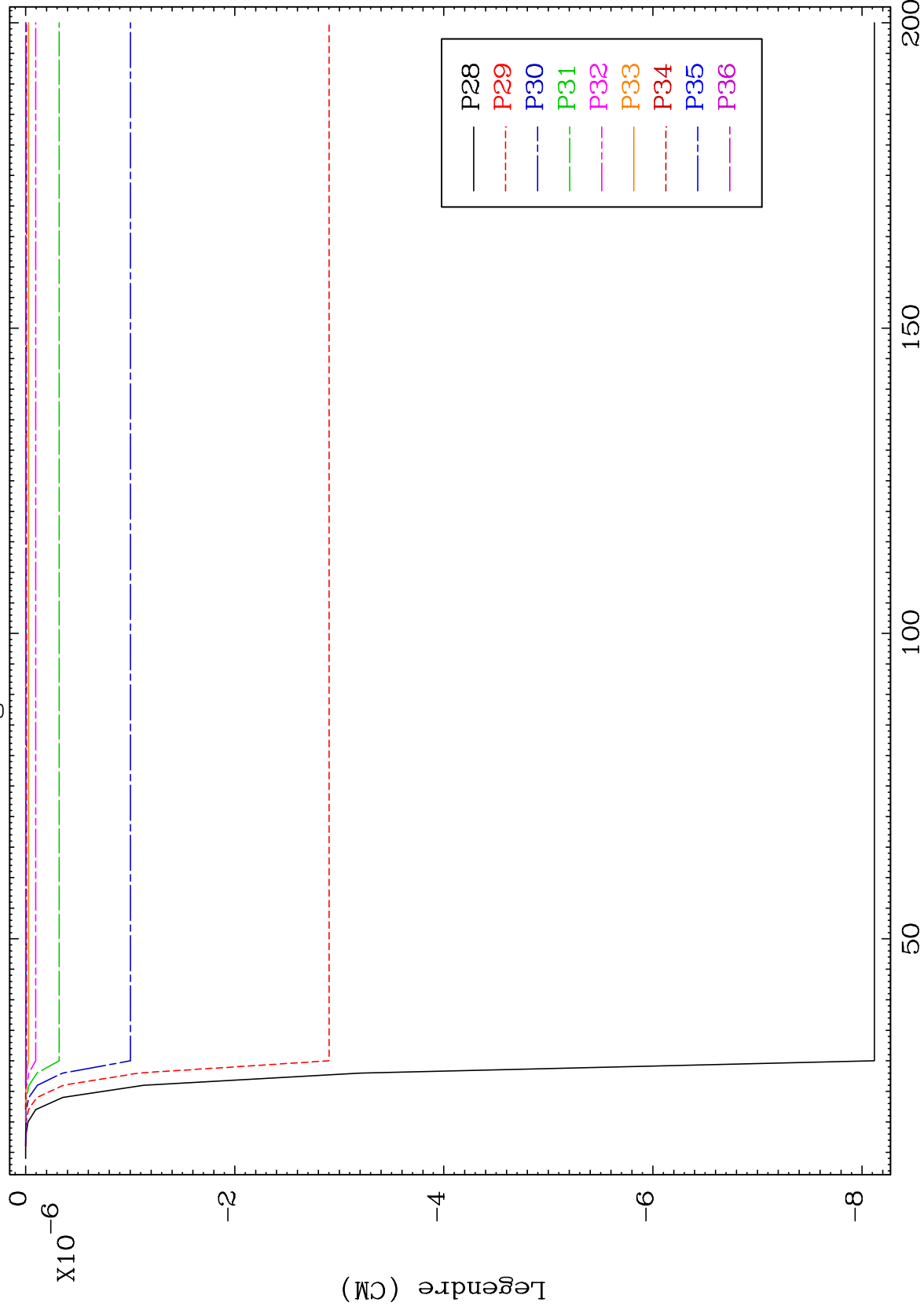
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



46

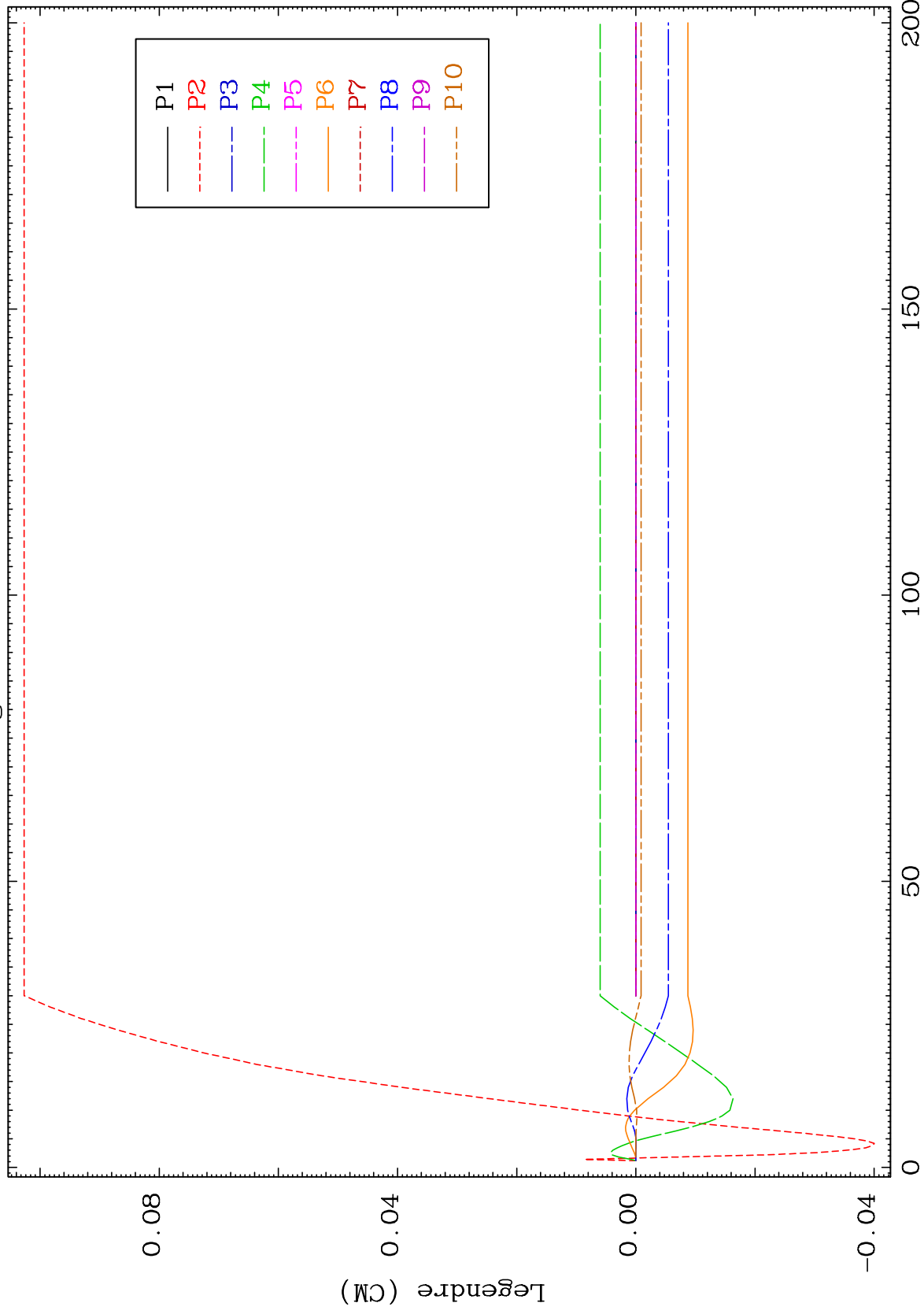
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



47

Incident Energy (MeV)

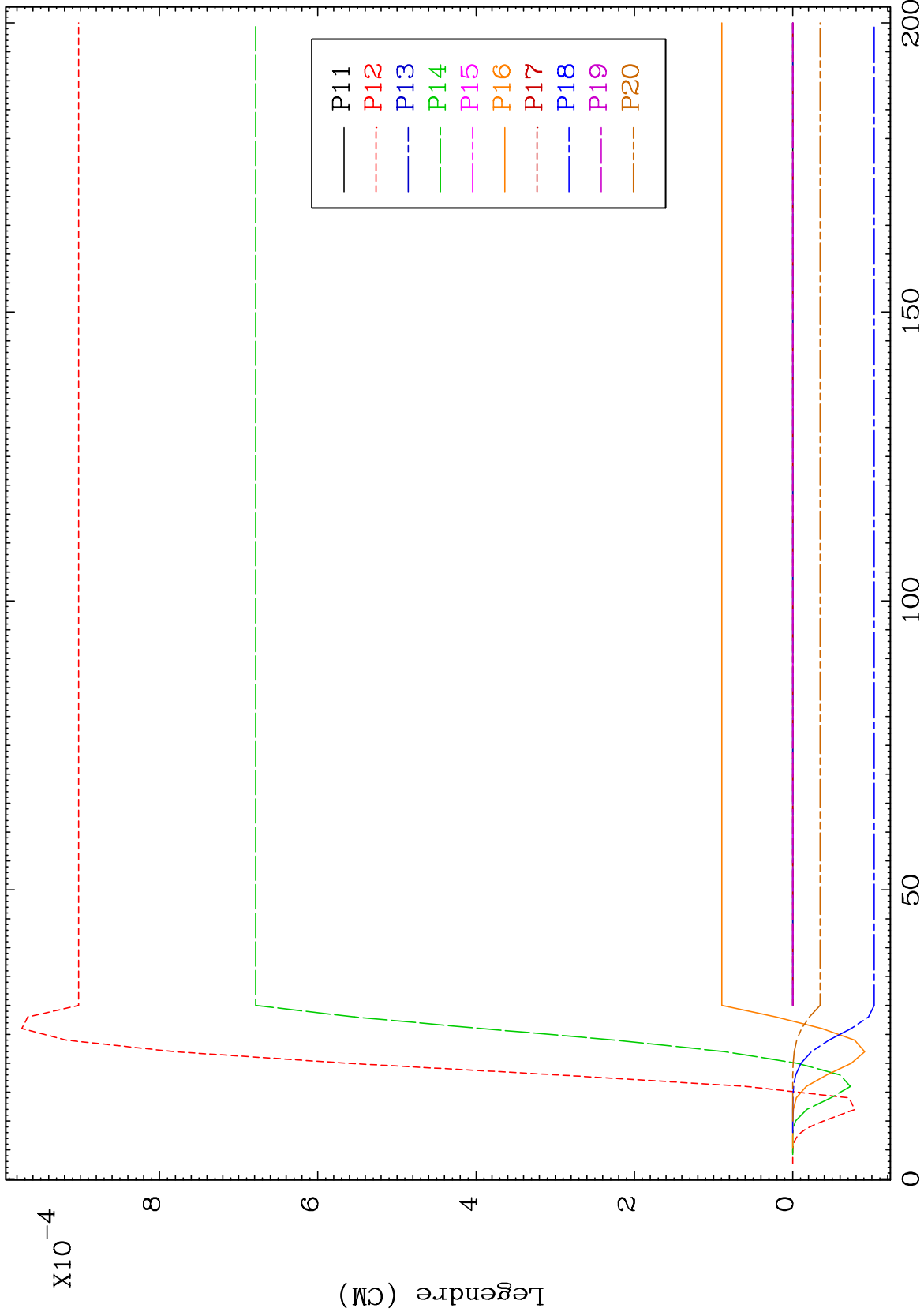
64-Gd-158



MAT 6443

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

64-Gd-158



48

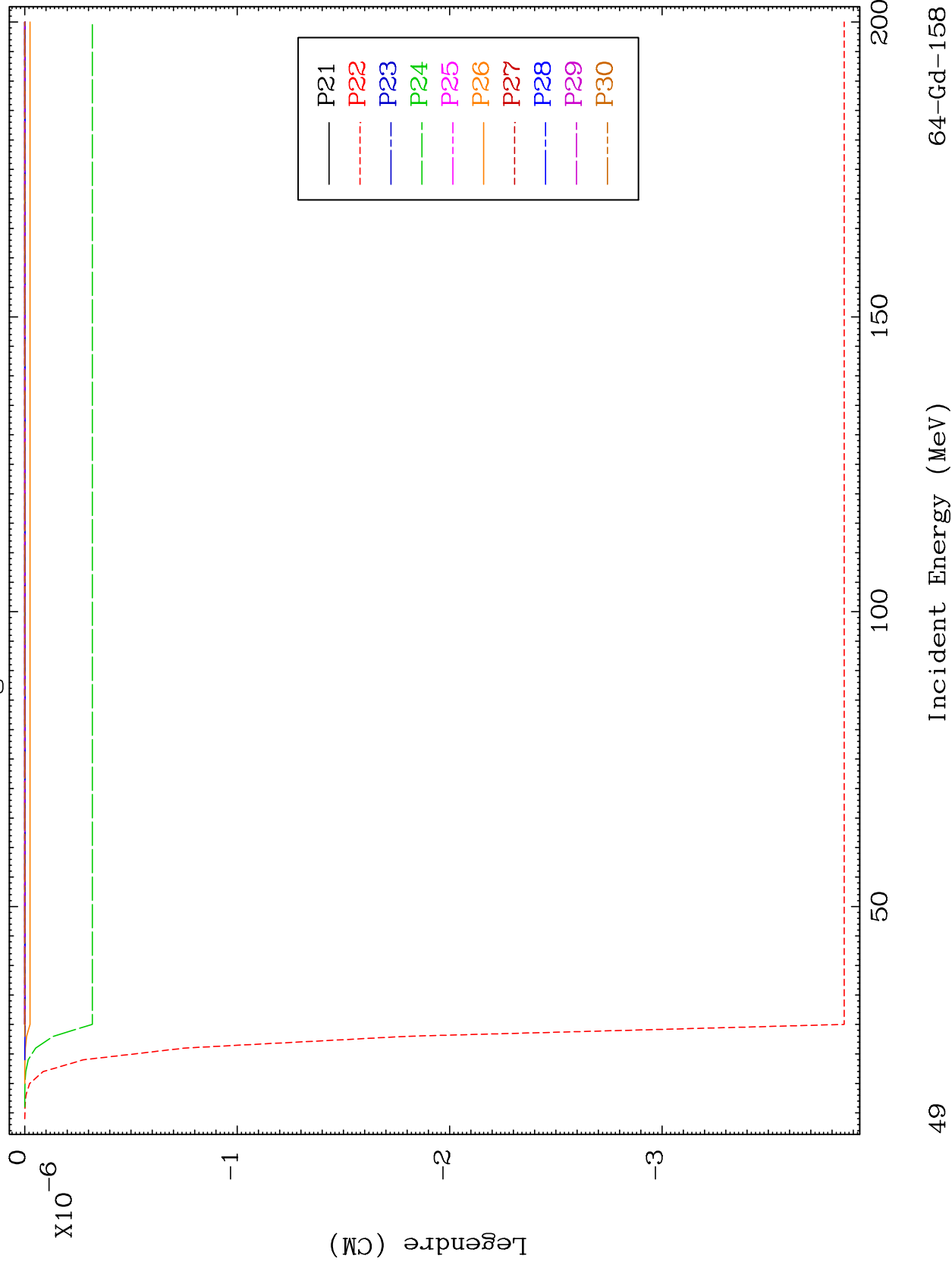
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



49

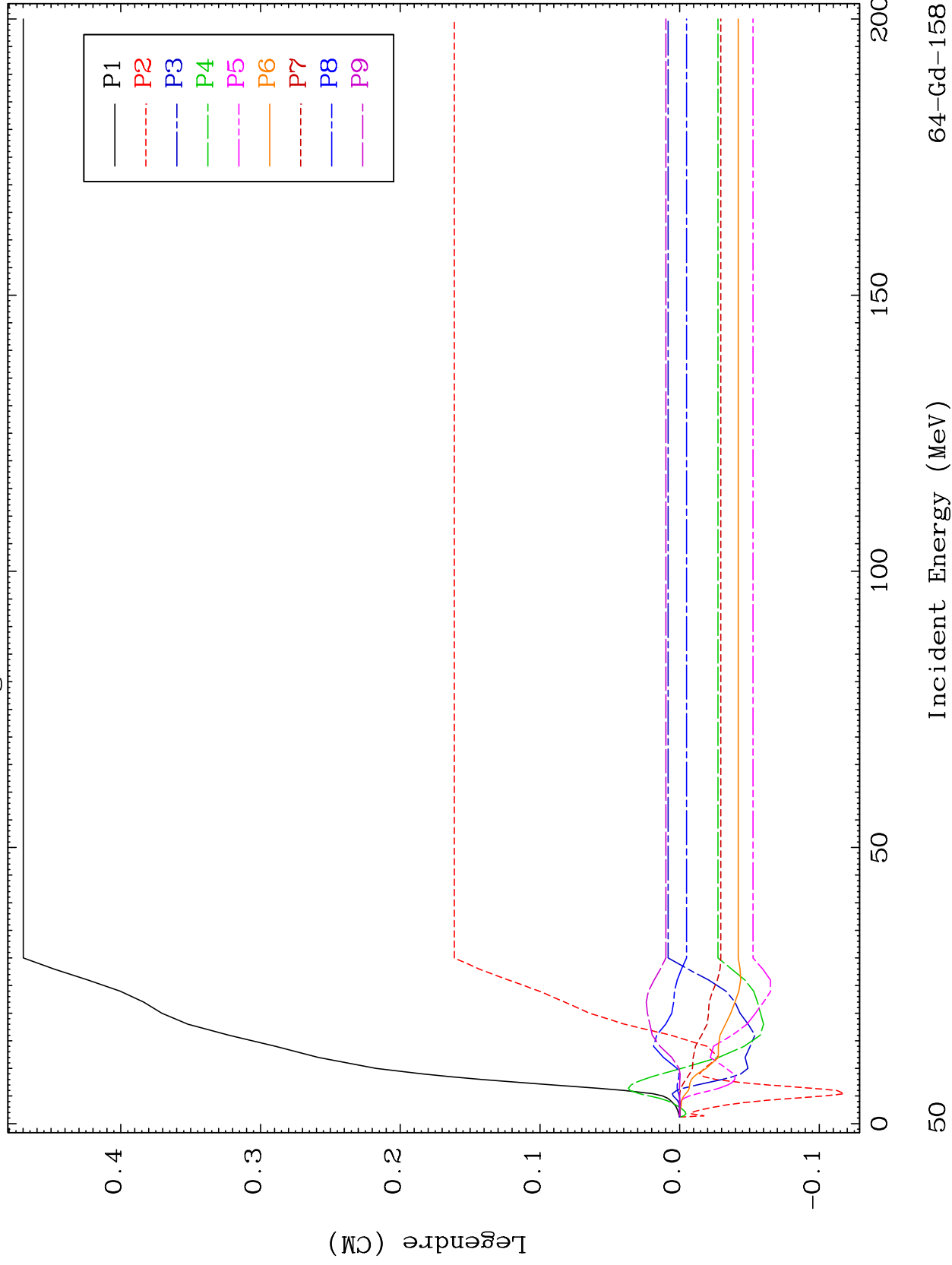
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158

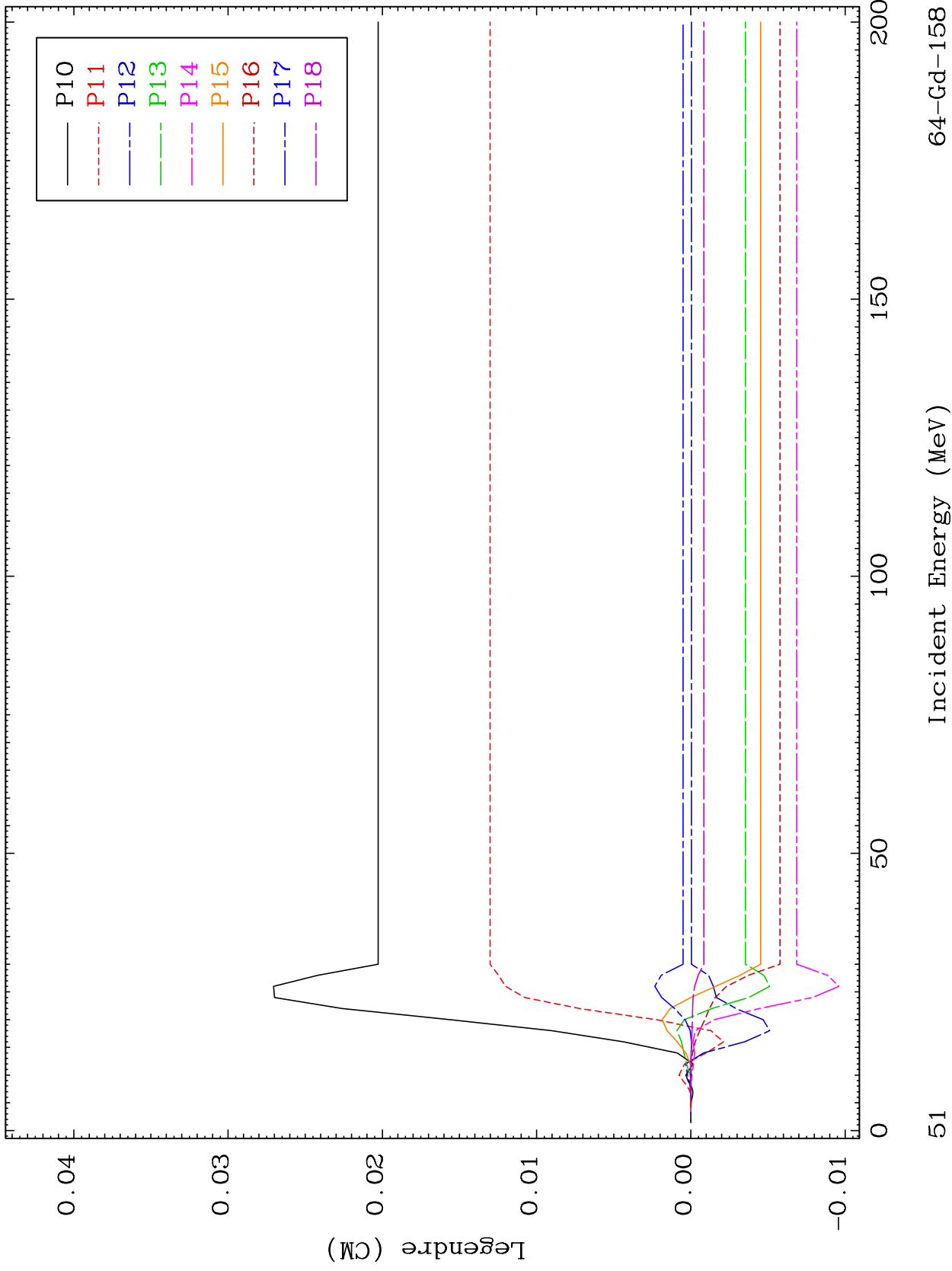


64-Gd-158

MAT 6443

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

64-Gd-158



64-Gd-158

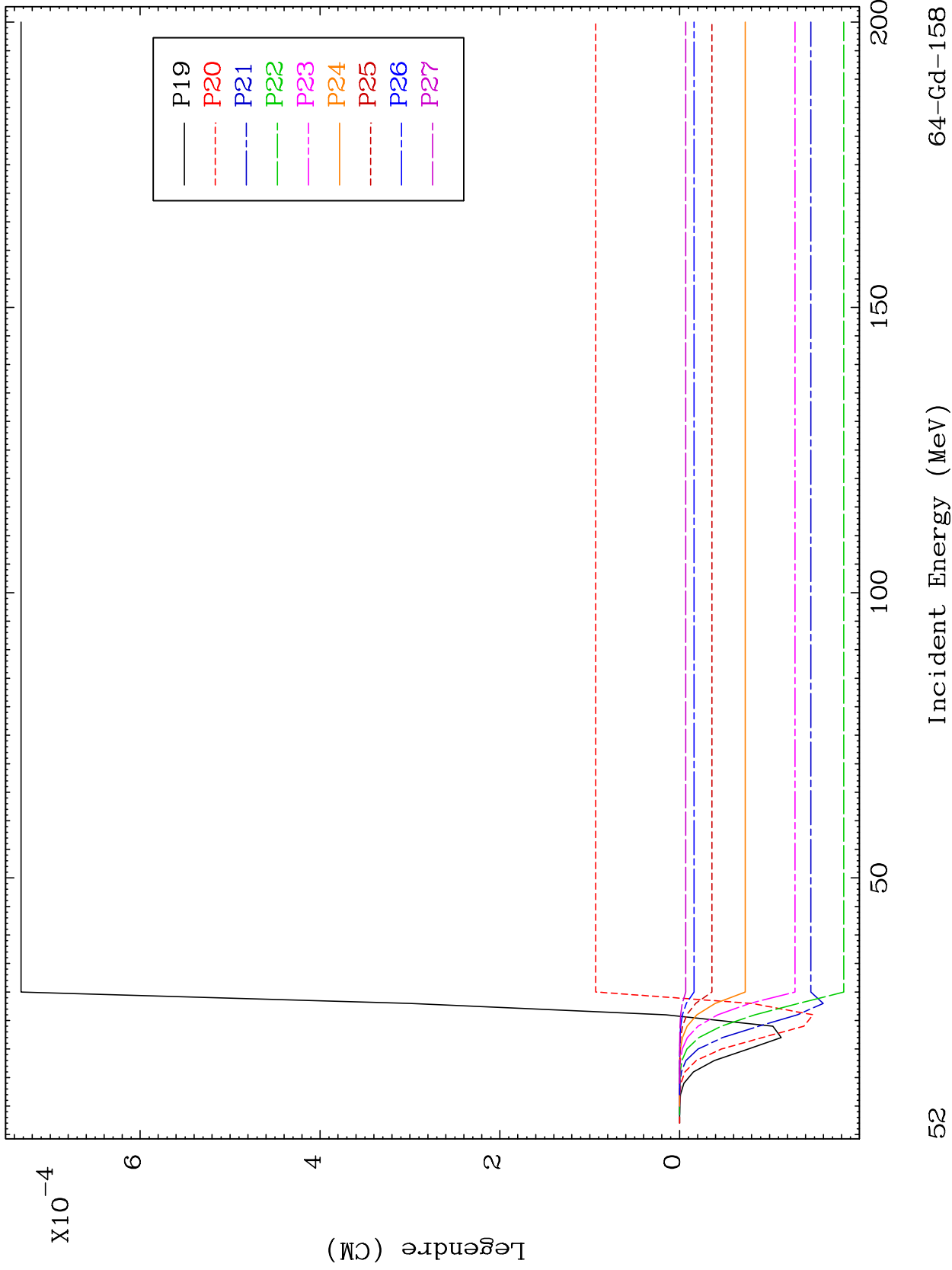
Incident Energy (MeV)

51

MAT 6443

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

64-Gd-158



52

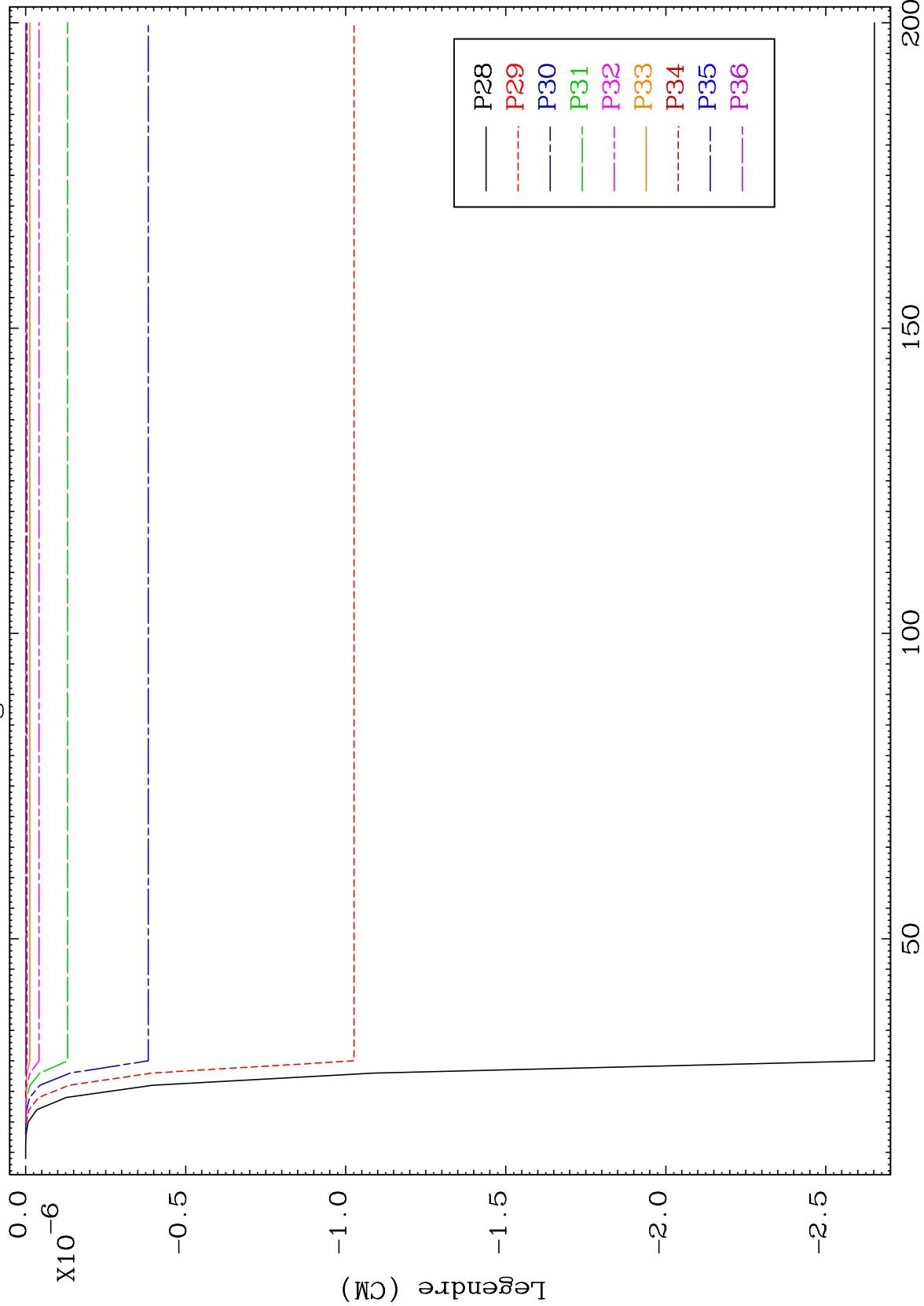
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

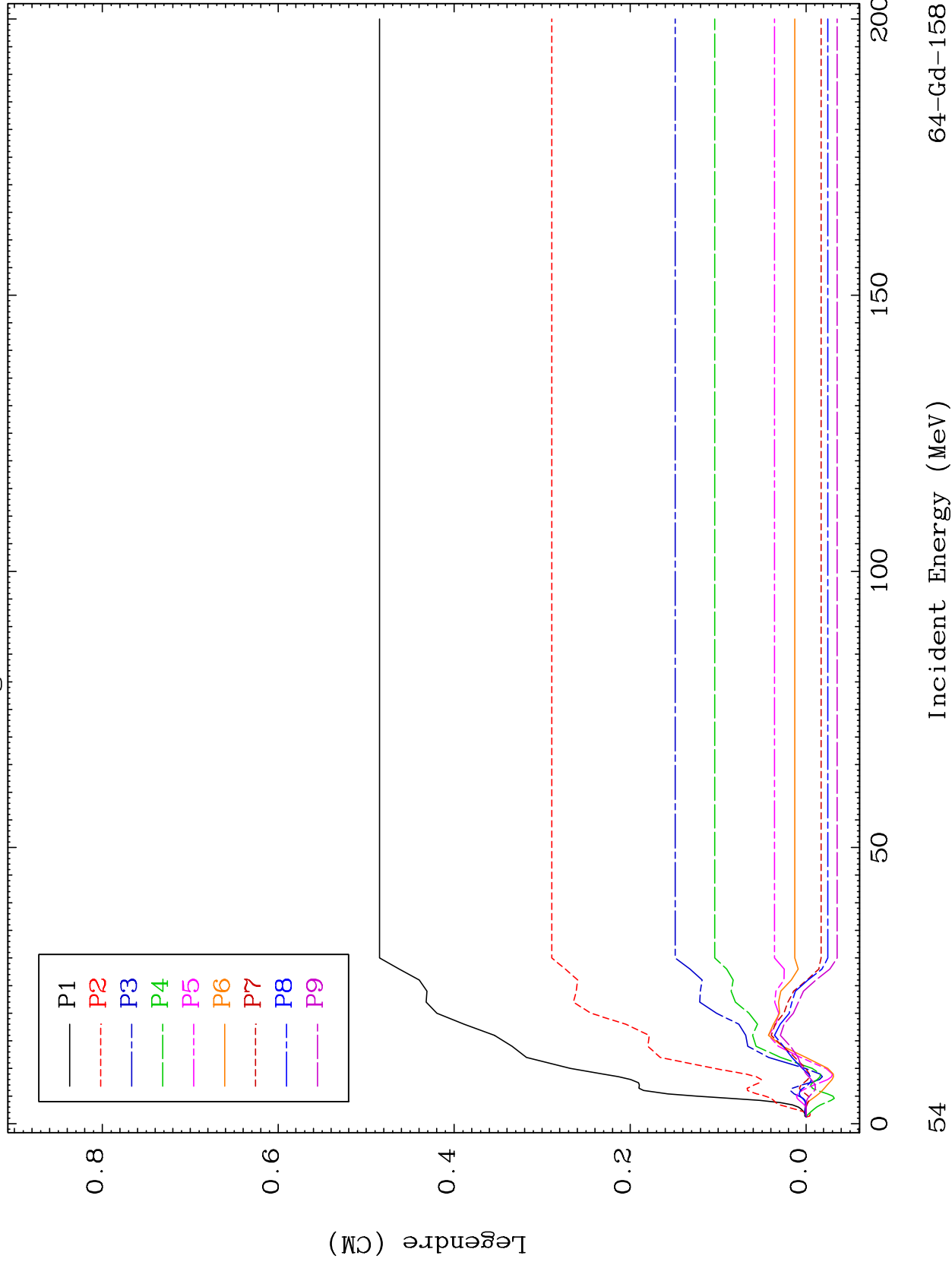
64-Gd-158



MAT 6443

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

64-Gd-158



64-Gd-158

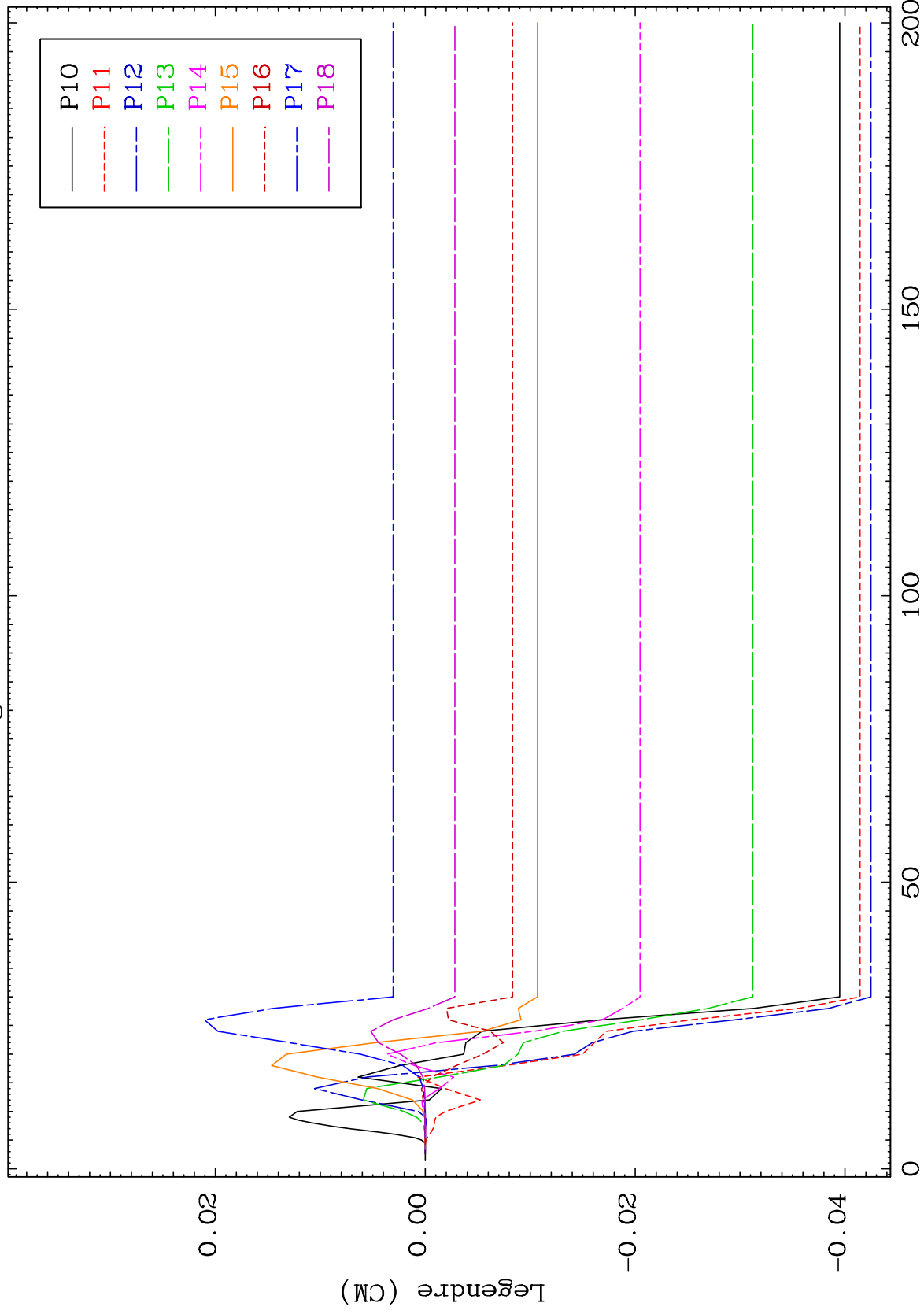
Incident Energy (MeV)

54

MAT 6443

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

64-Gd-158



55

Incident Energy (MeV)

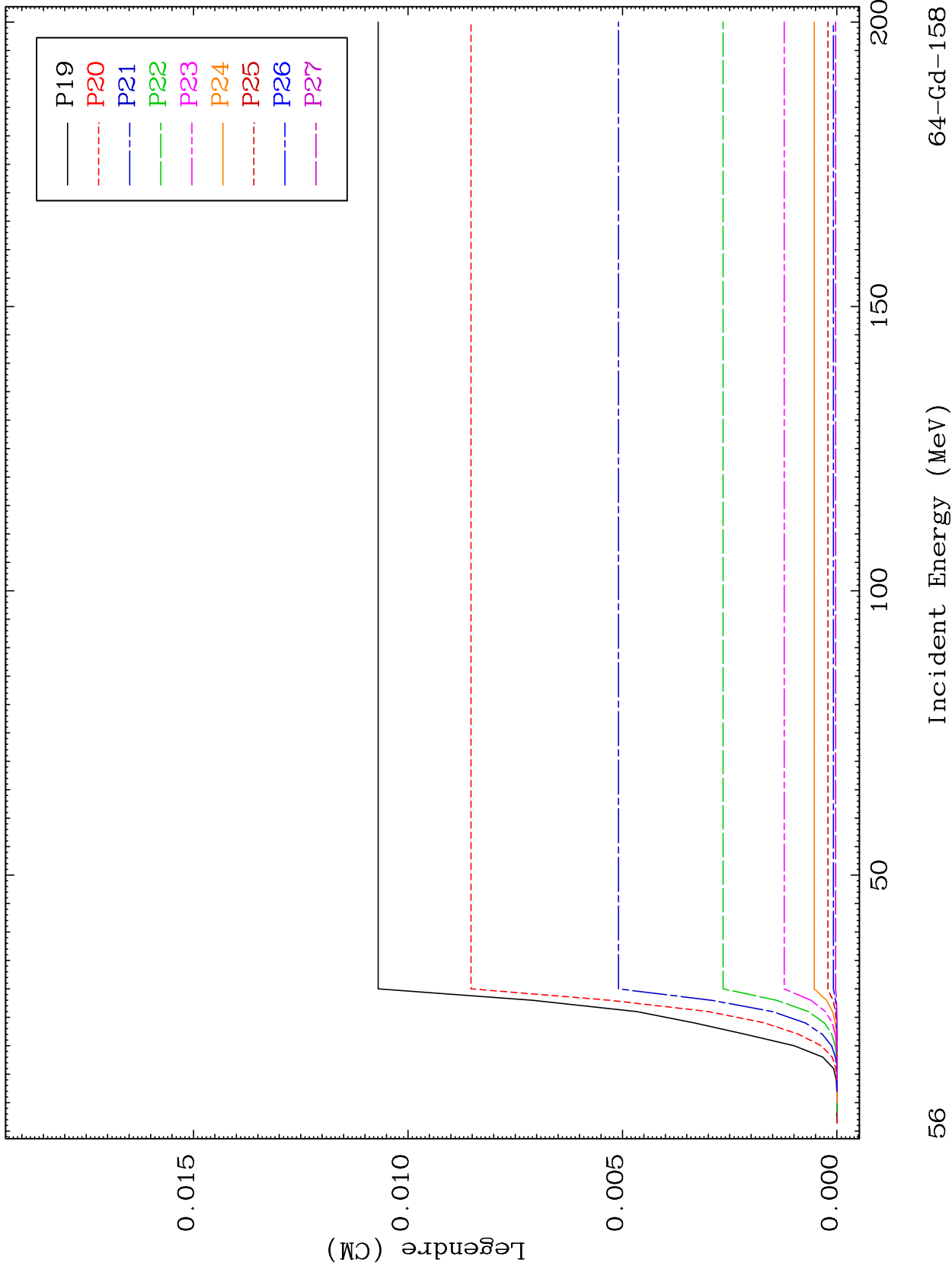
64-Gd-158



MAT 6443

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

64-Gd-158



56

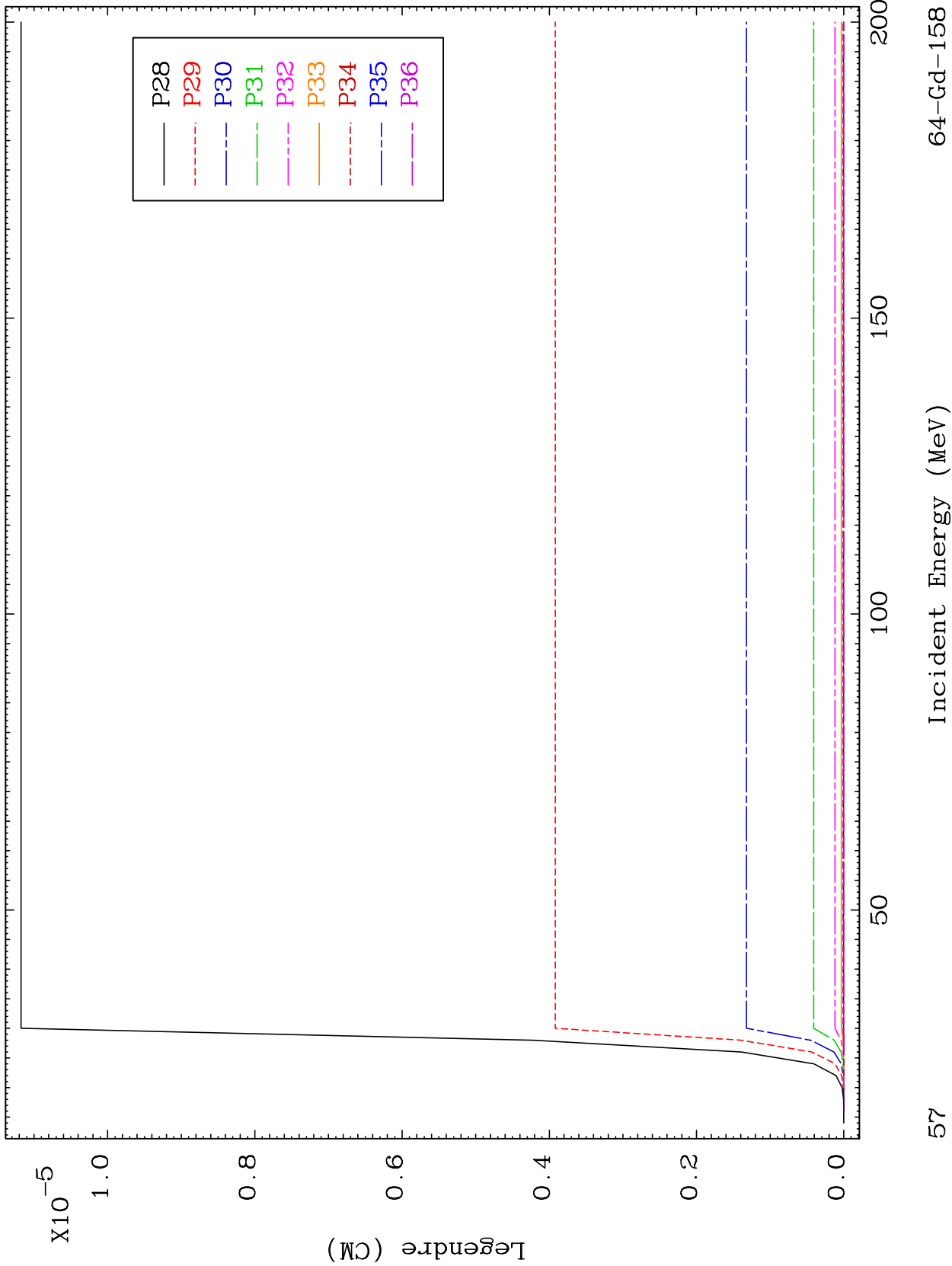
Incident Energy (MeV)

64-Gd-158

MAT 6443

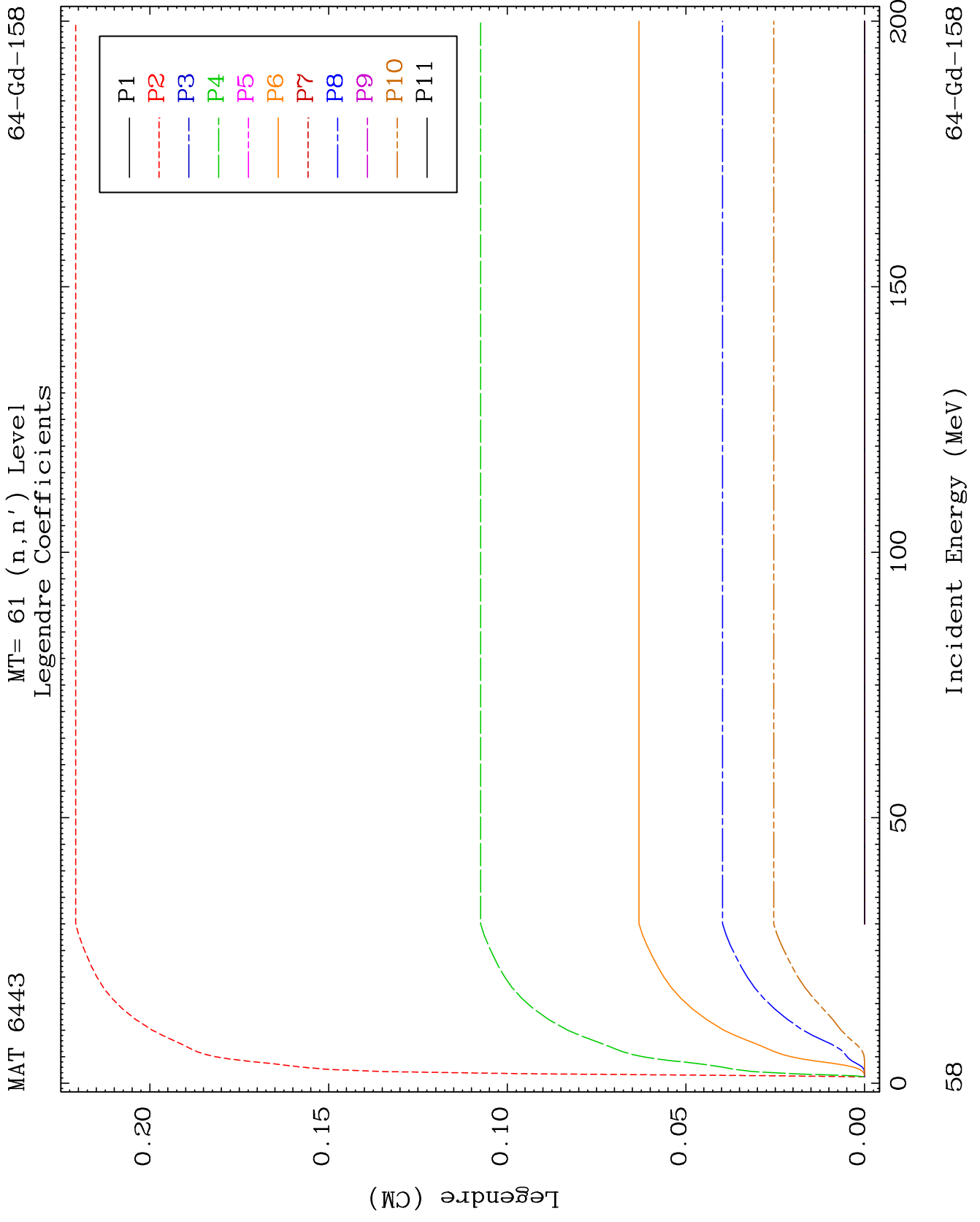
MT= 60 (n,n') Level  
Legendre Coefficients

64-Gd-158



57

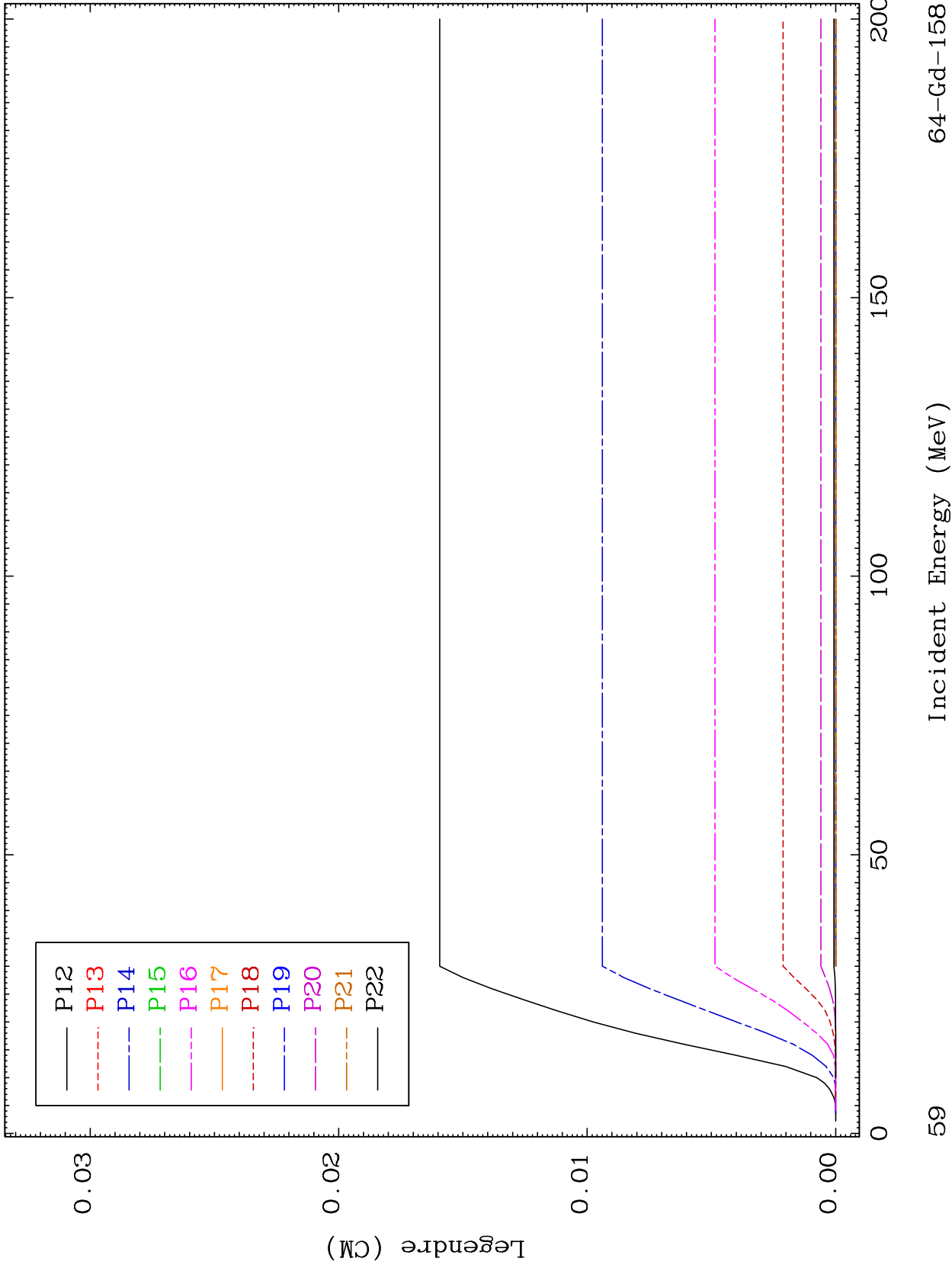
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MAT 6443

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

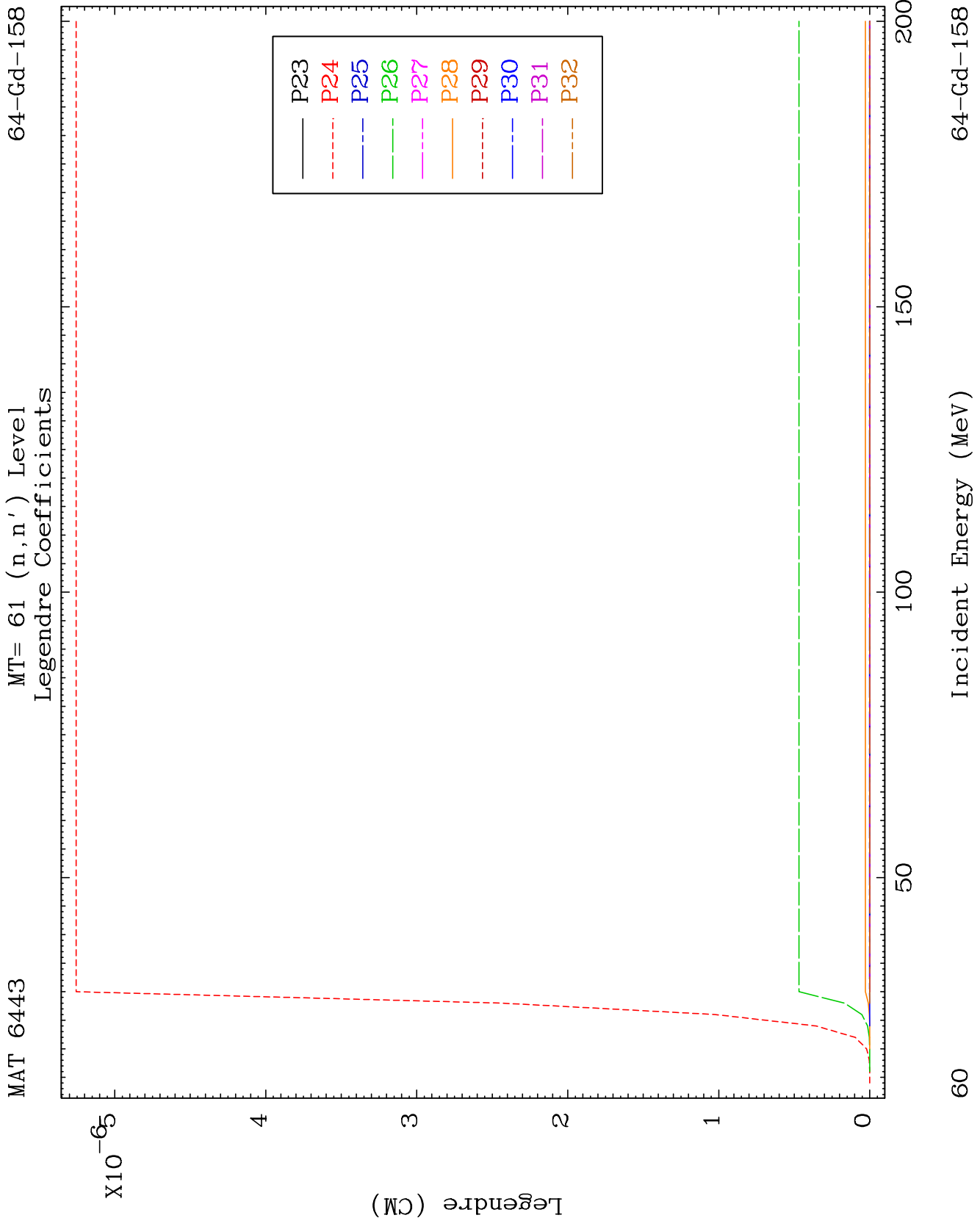
64-Gd-158



59

Incident Energy (MeV)

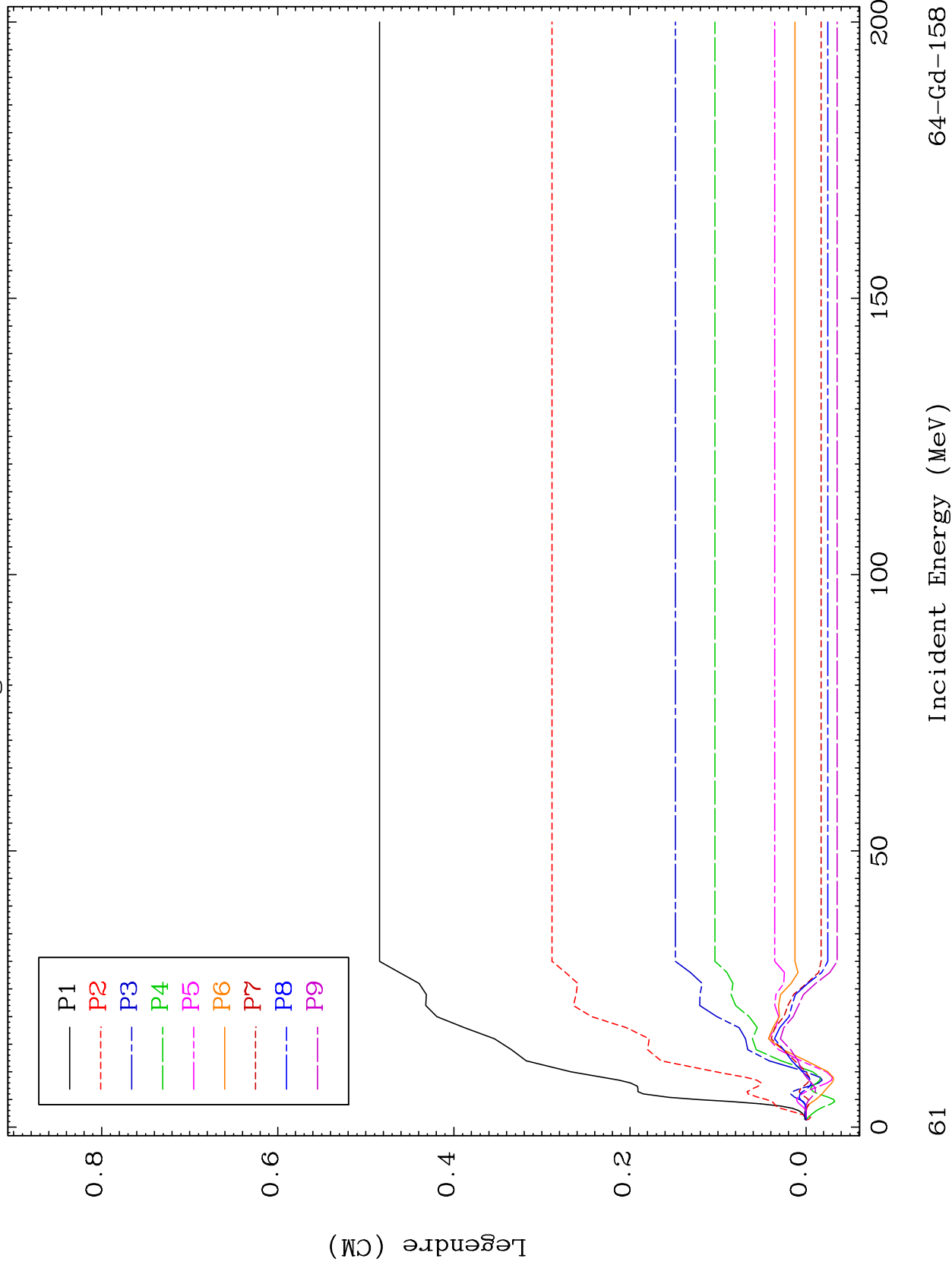
64-Gd-158



MAT 6443

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

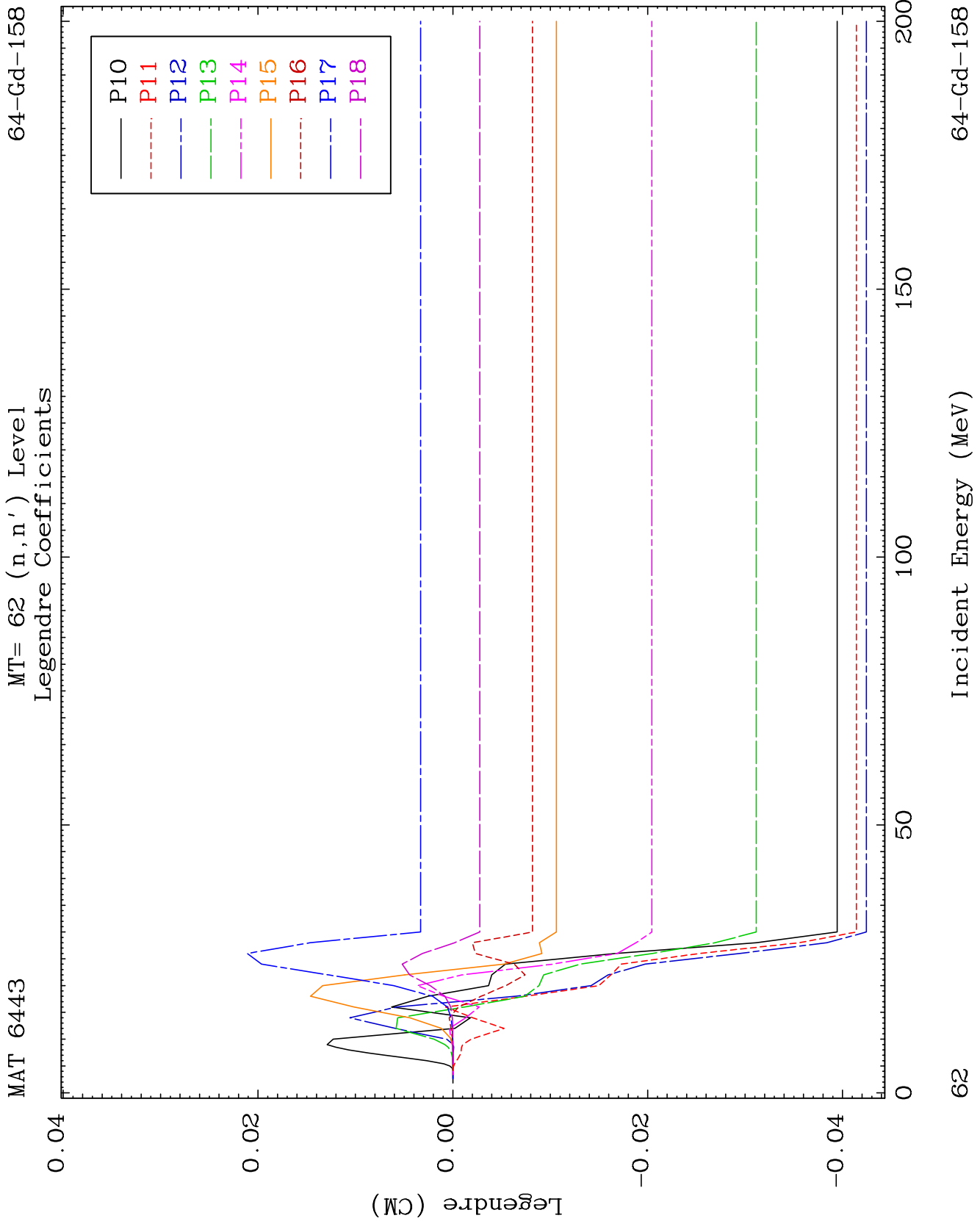
64-Gd-158



61

Incident Energy (MeV)

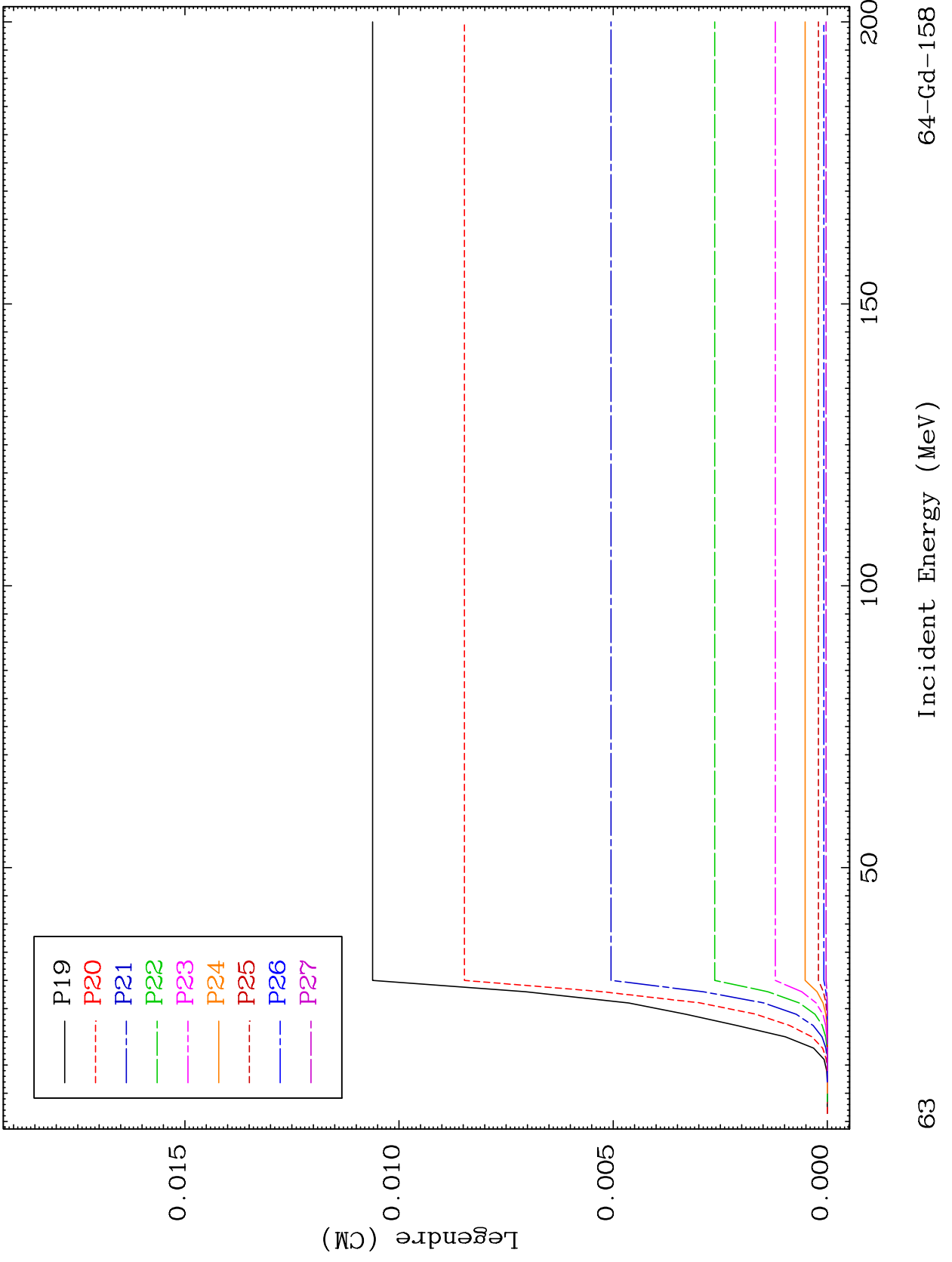
64-Gd-158



MAT 6443

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

64-Gd-158



63

Incident Energy (MeV)

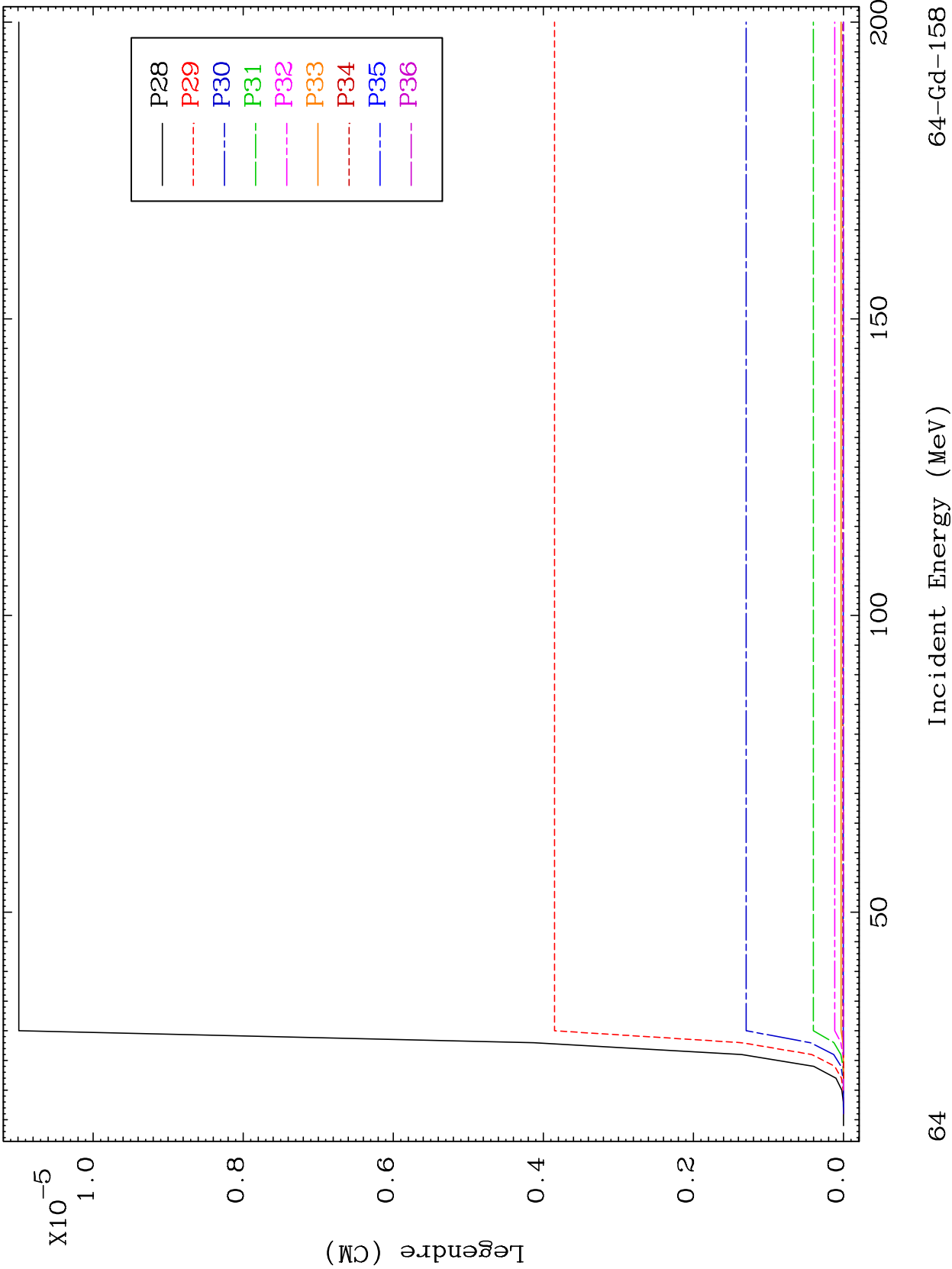
64-Gd-158



MAT 6443

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

64-Gd-158



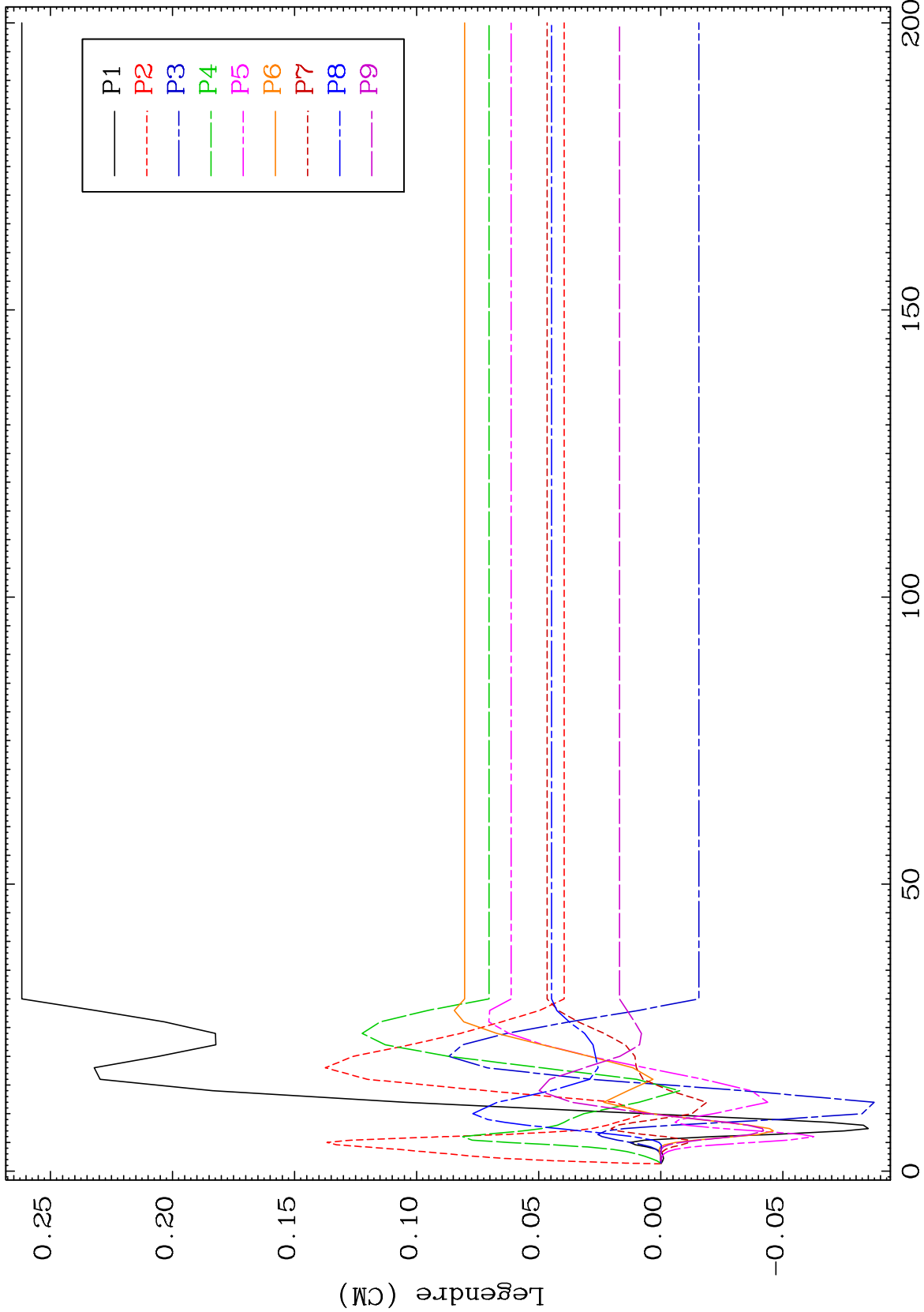
64

64-Gd-158

MAT 6443

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

64-Gd-158



64-Gd-158

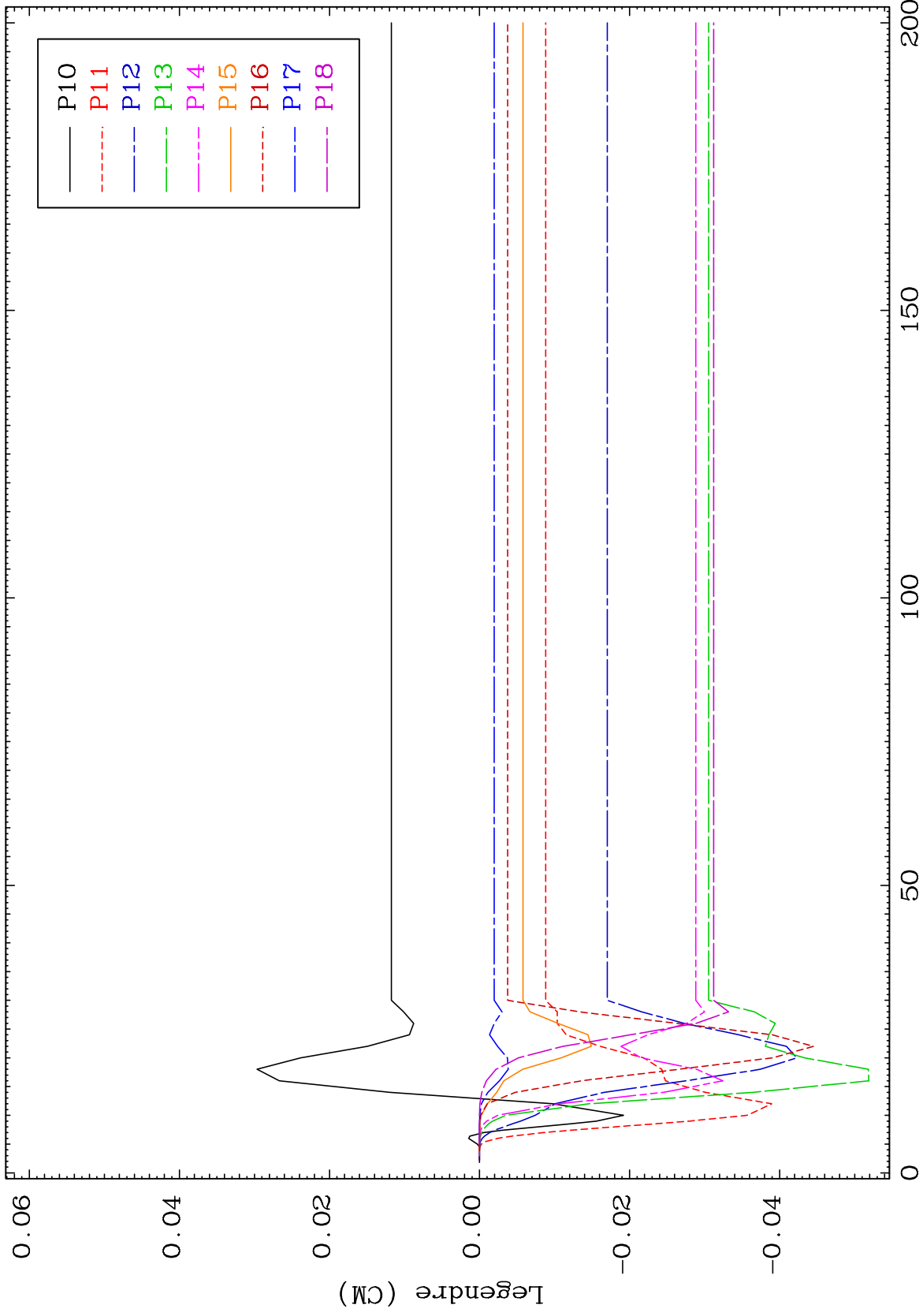
Incident Energy (MeV)

65

MAT 6443

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

64-Gd-158



66

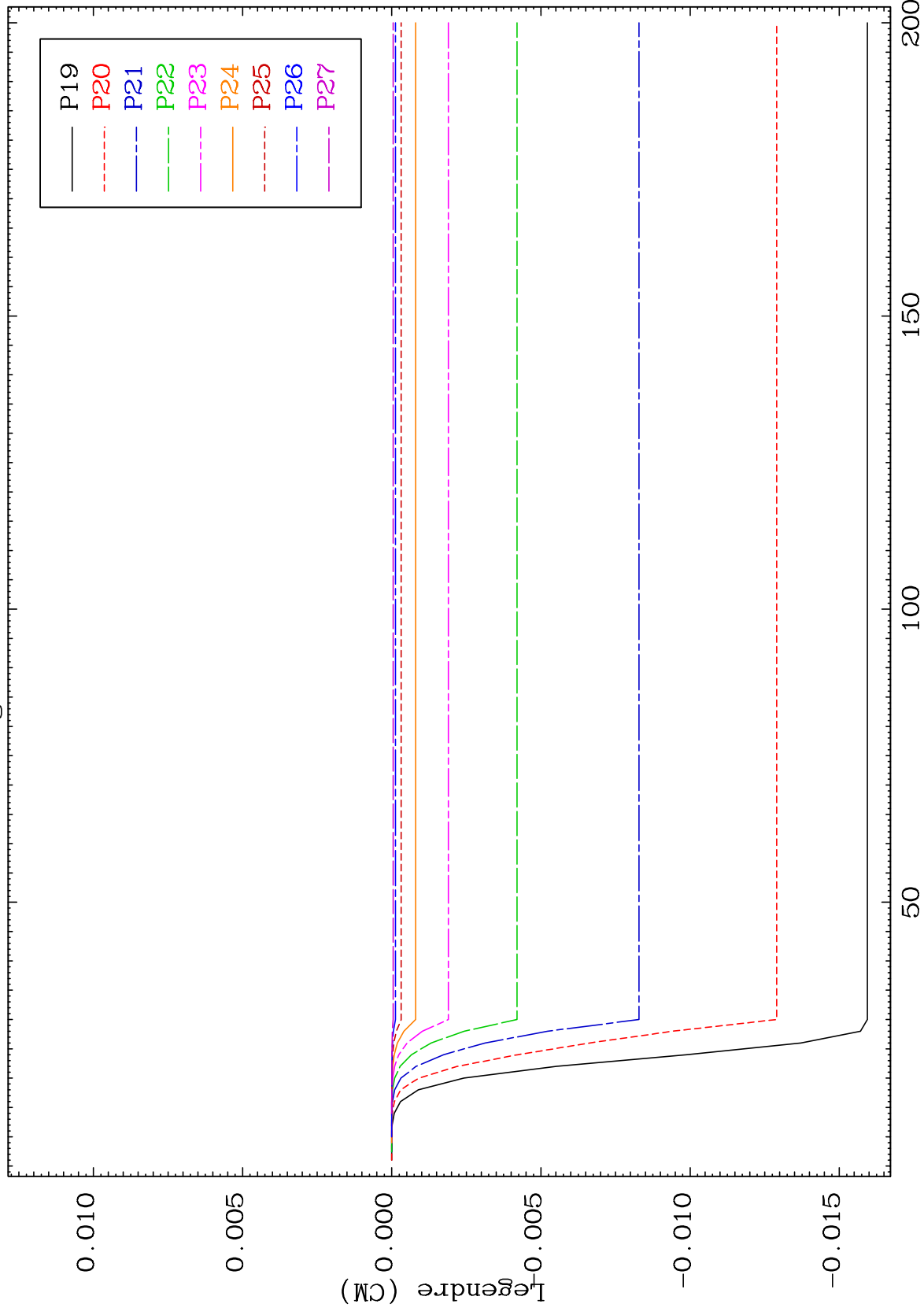
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



67

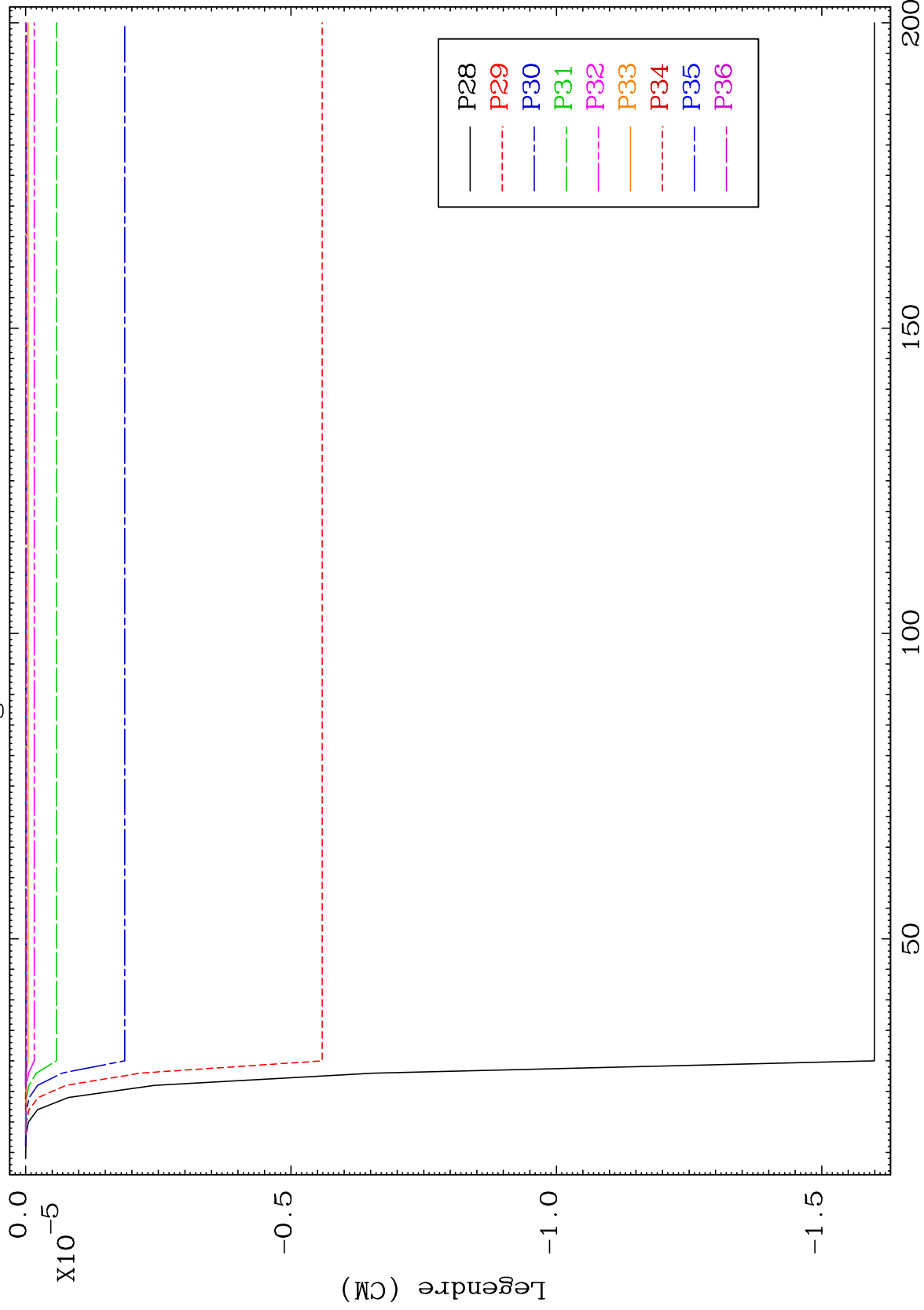
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



68

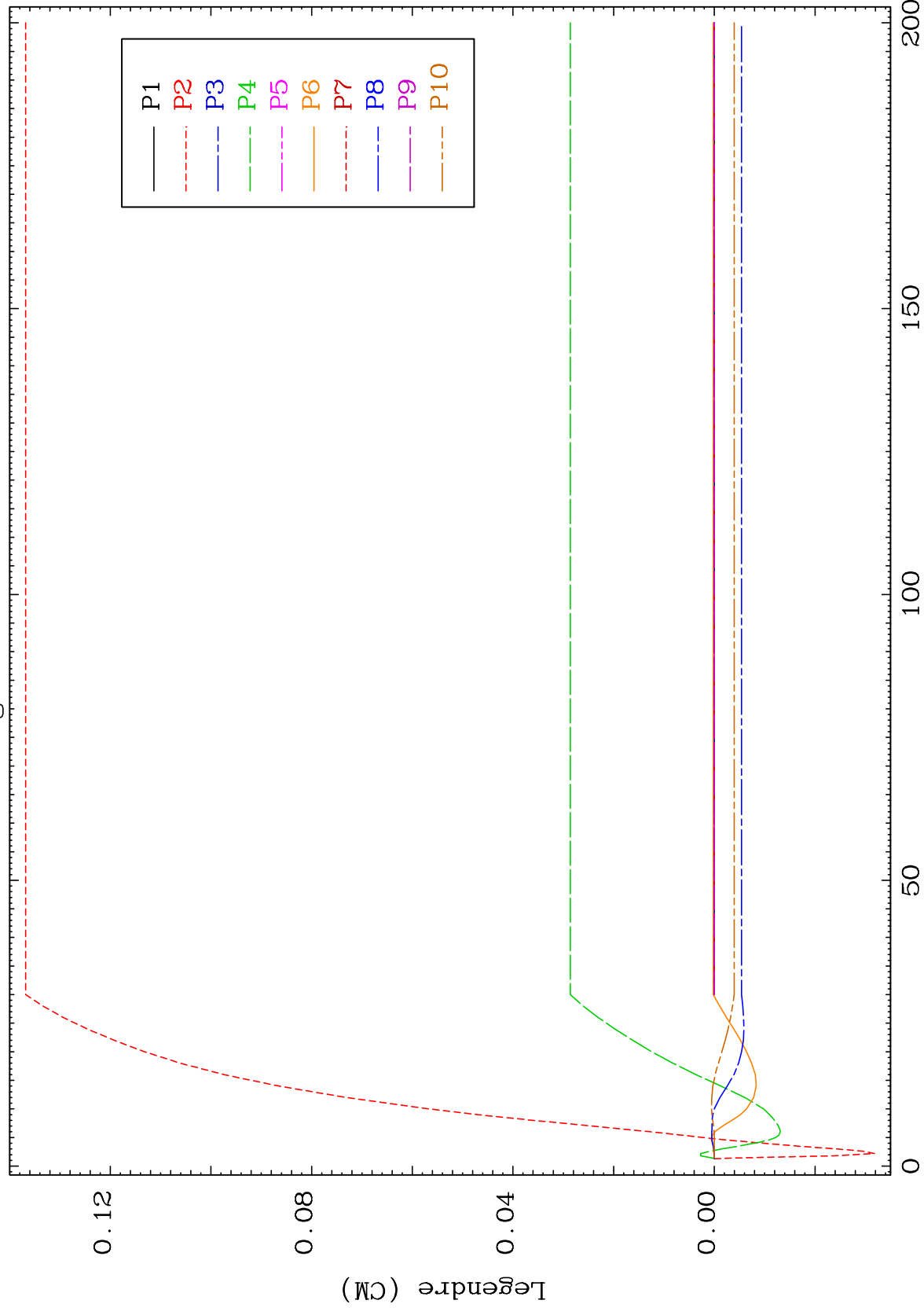
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



64-Gd-158

Incident Energy (MeV)

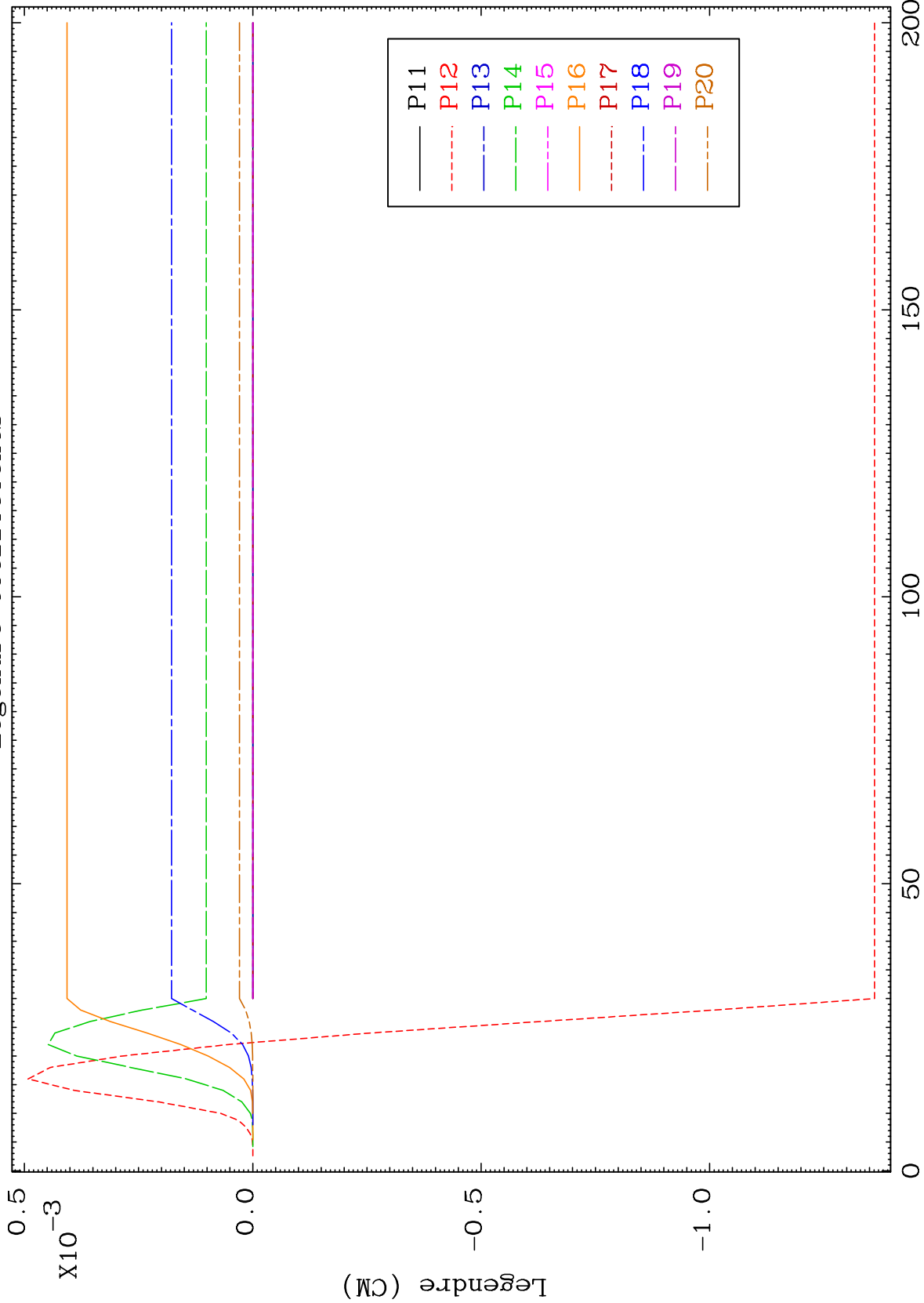
69

MAT 6443

MT= 64 (n,n') Level

64-Gd-158

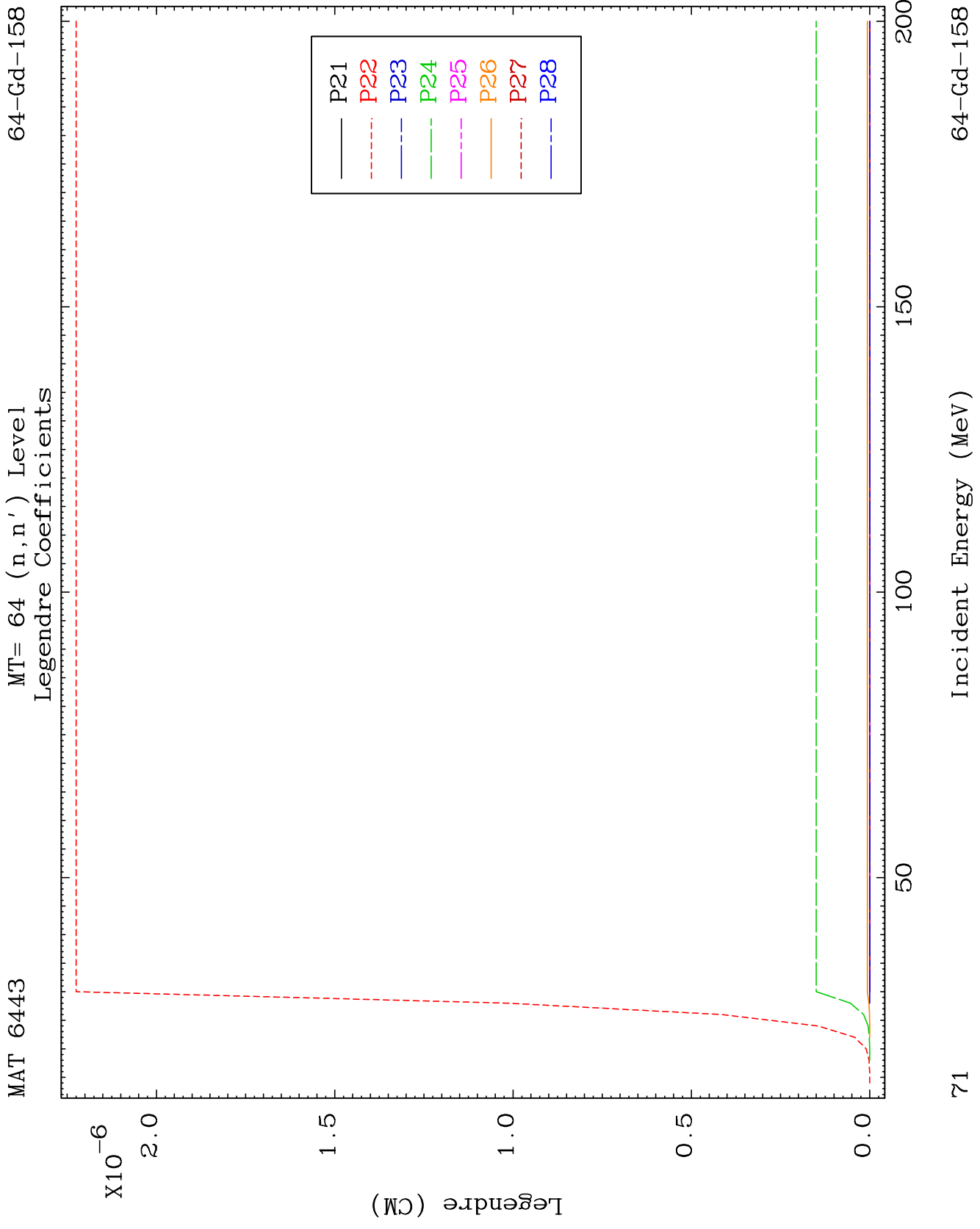
Legendre Coefficients



70

Incident Energy (MeV)

64-Gd-158



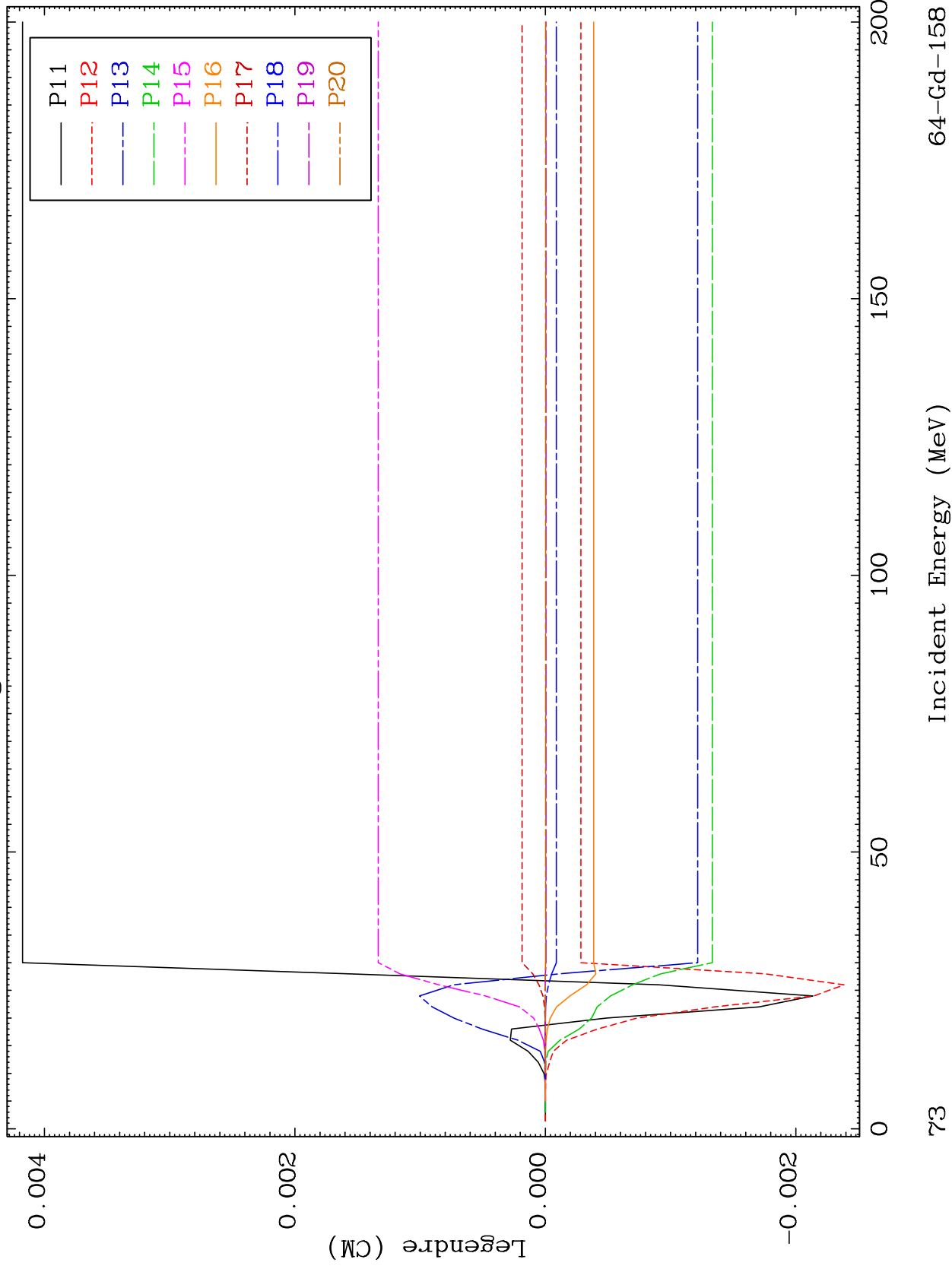




MAT 6443

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

64-Gd-158



73

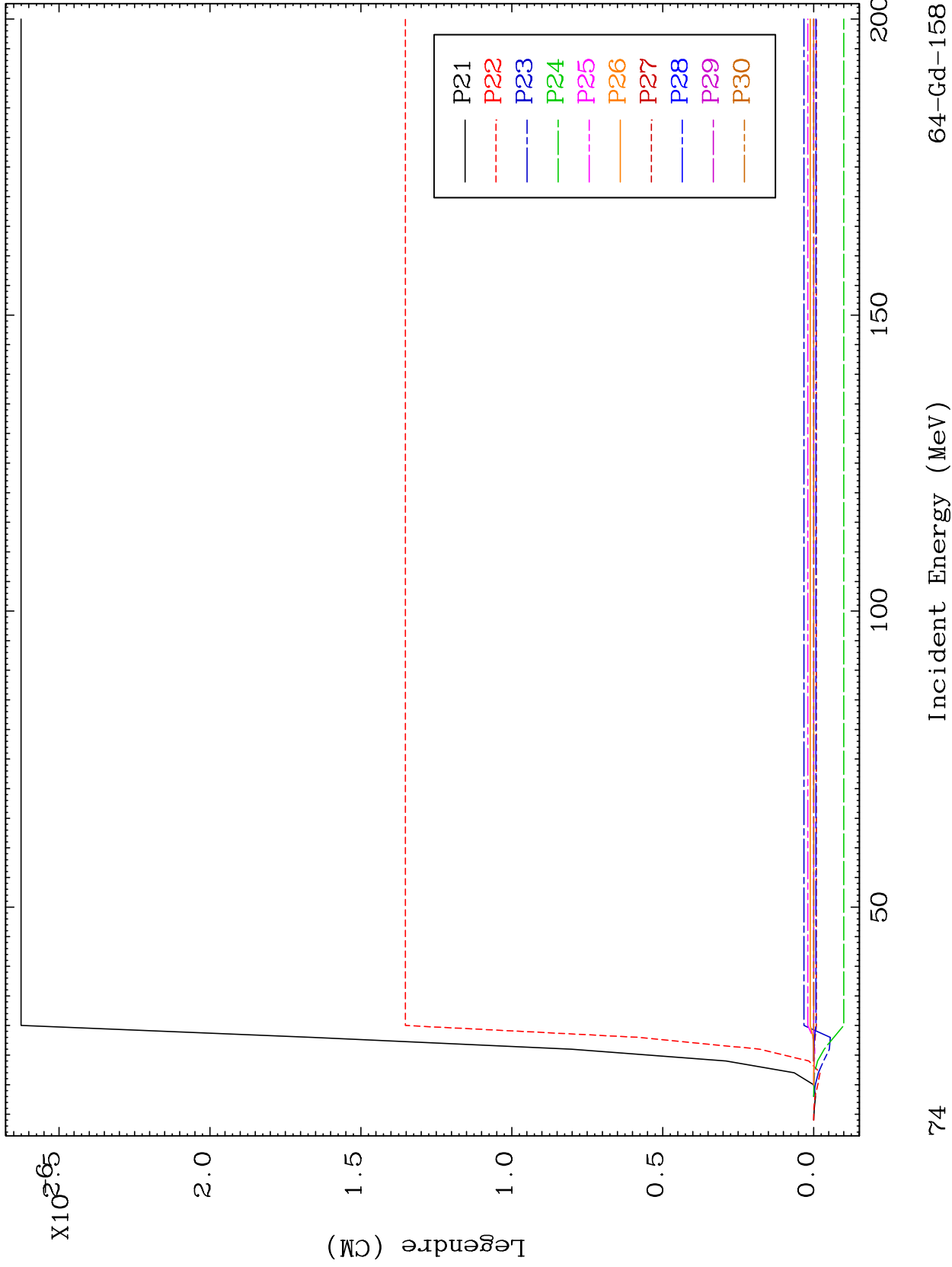
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

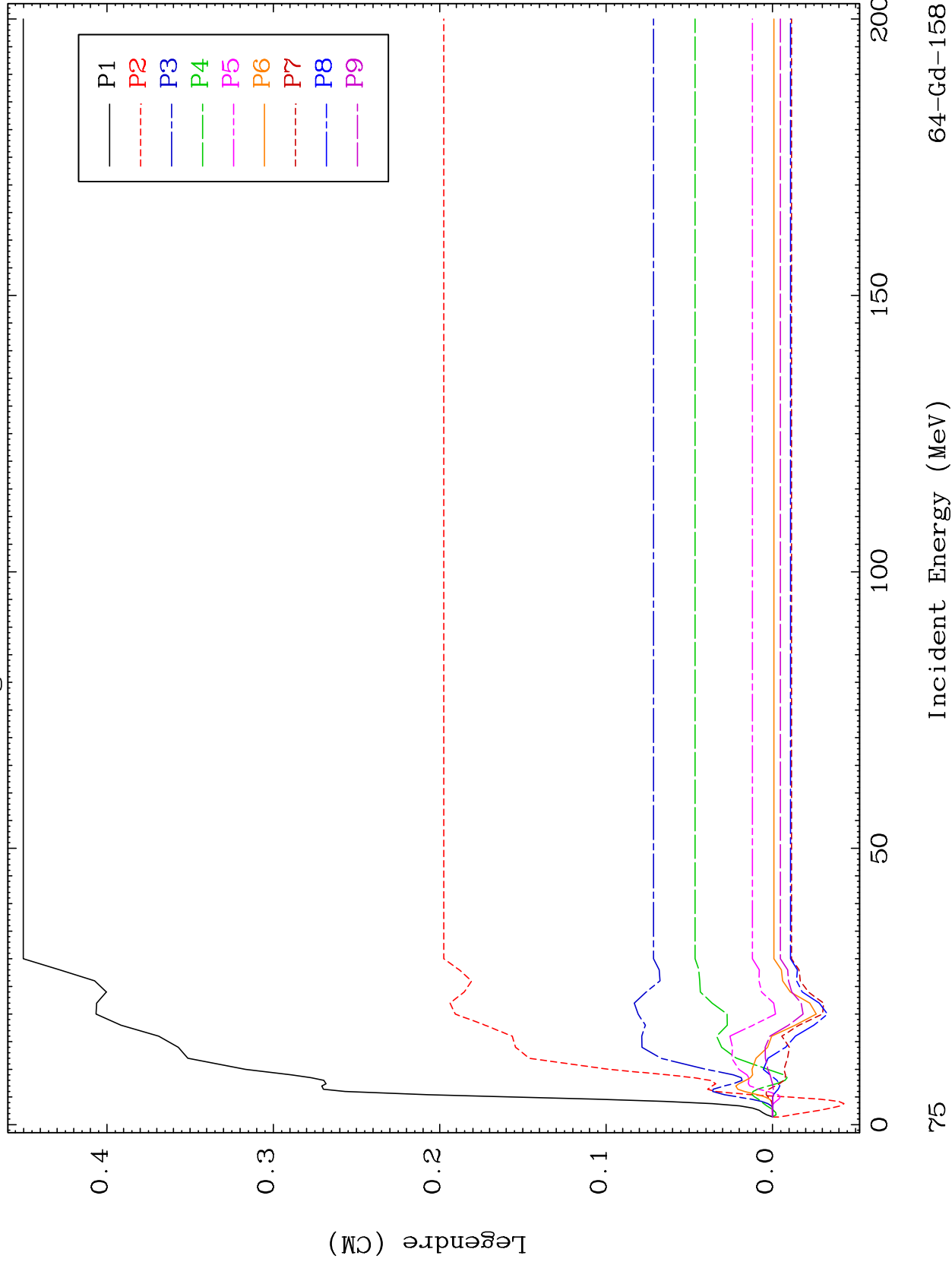
64-Gd-158



MAT 6443

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

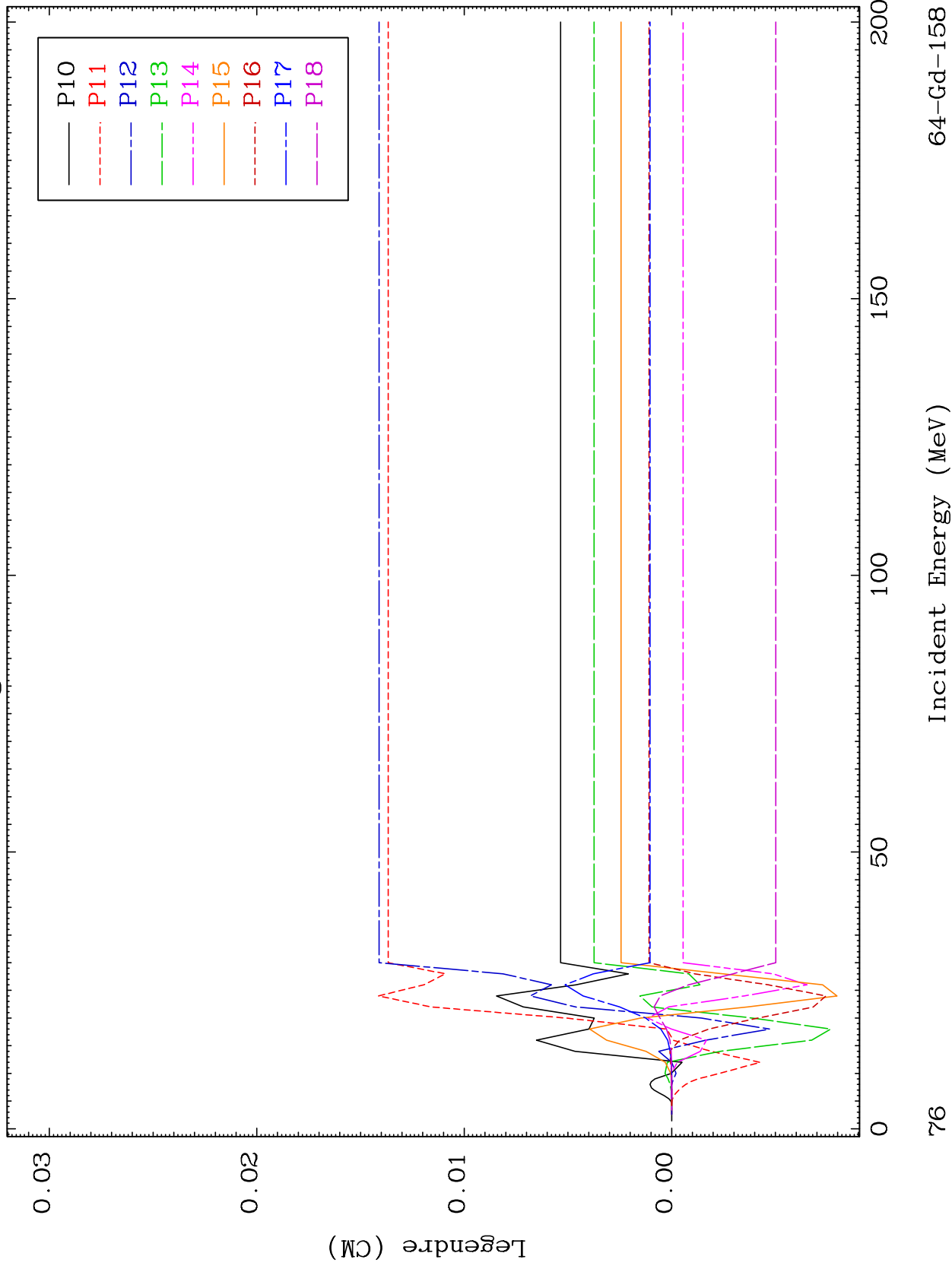
64-Gd-158



MAT 6443

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

64-Gd-158



76

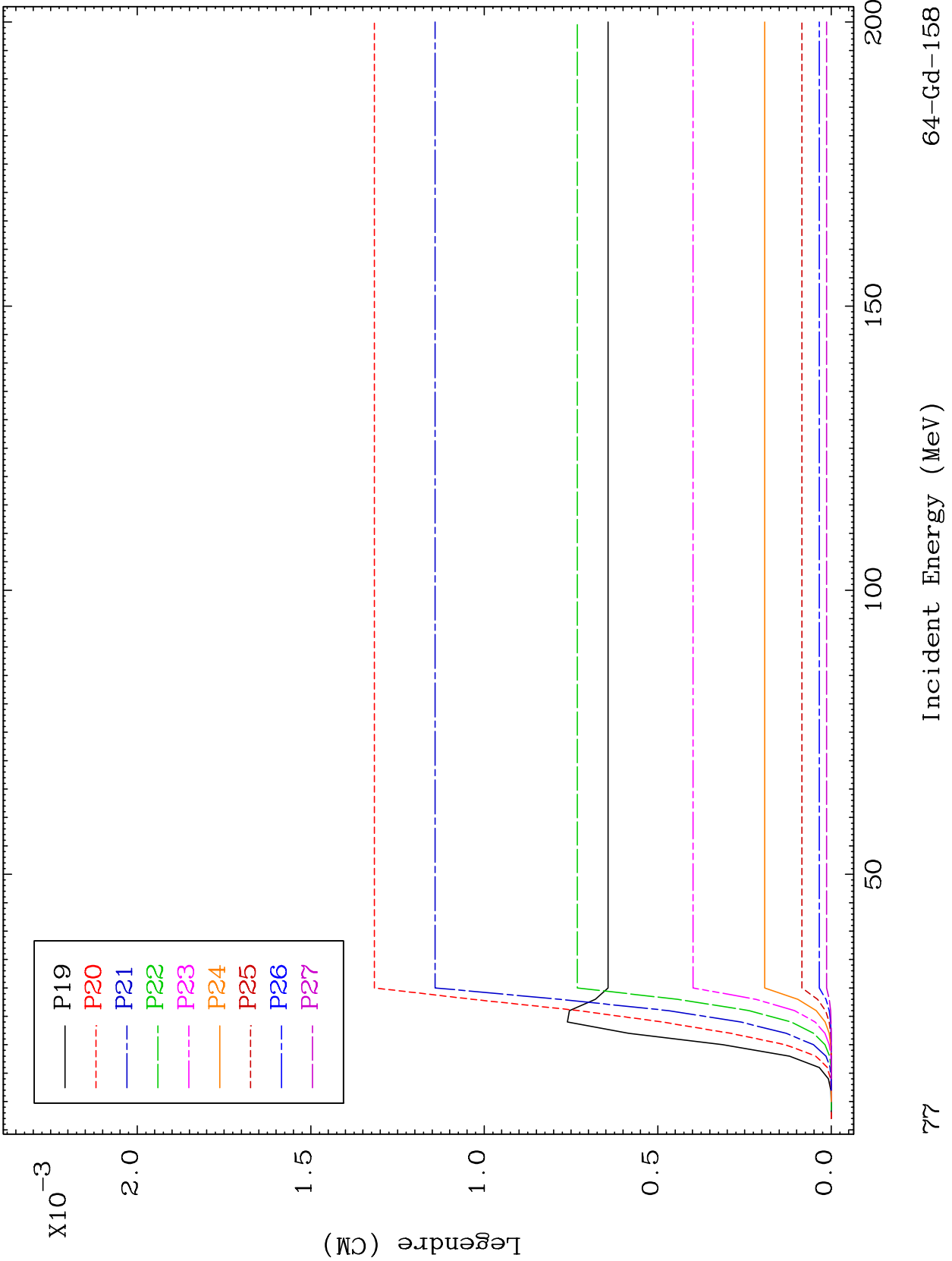
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

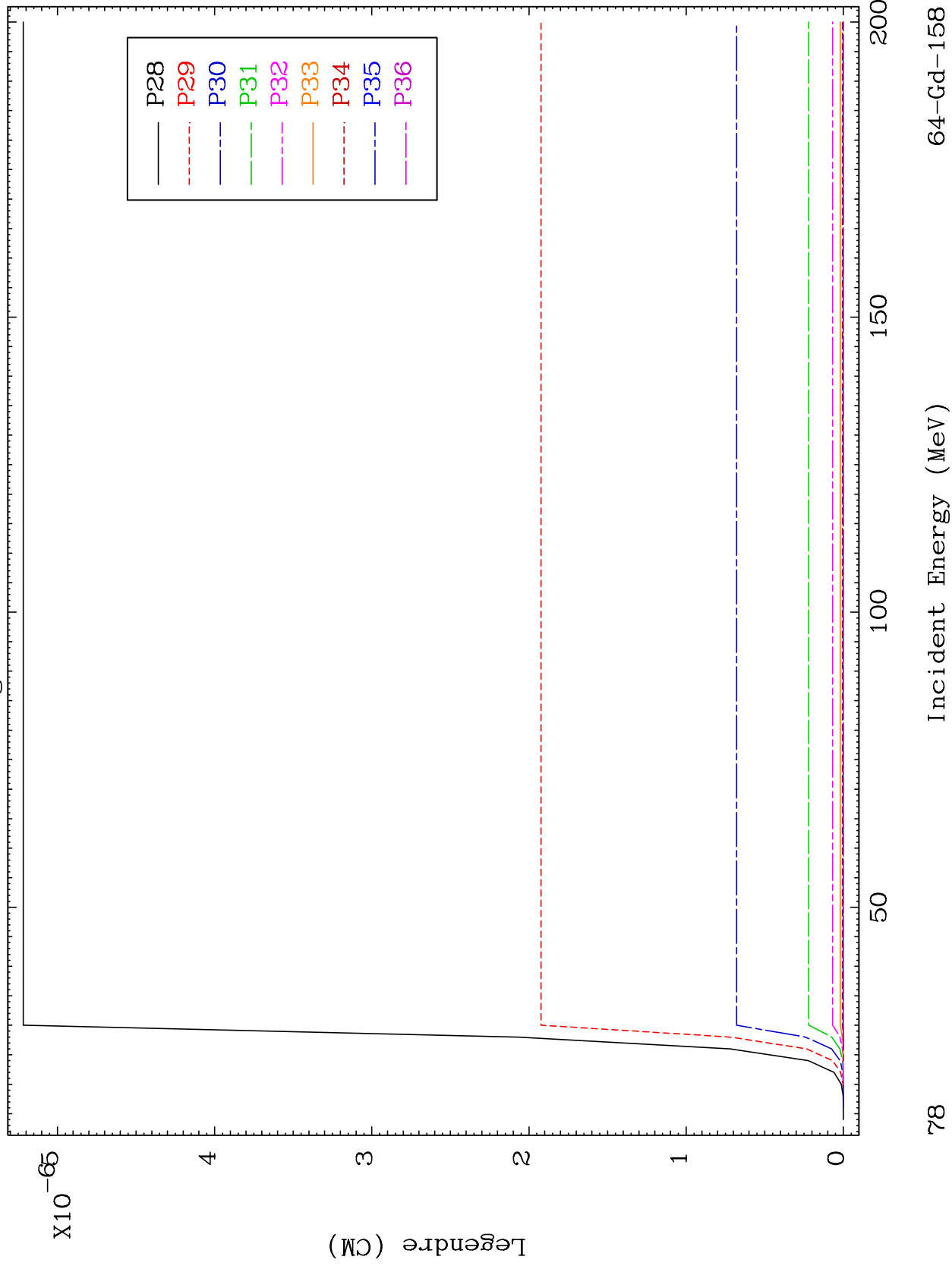
64-Gd-158



MAT 6443

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

64-Gd-158



78

Incident Energy (MeV)

64-Gd-158



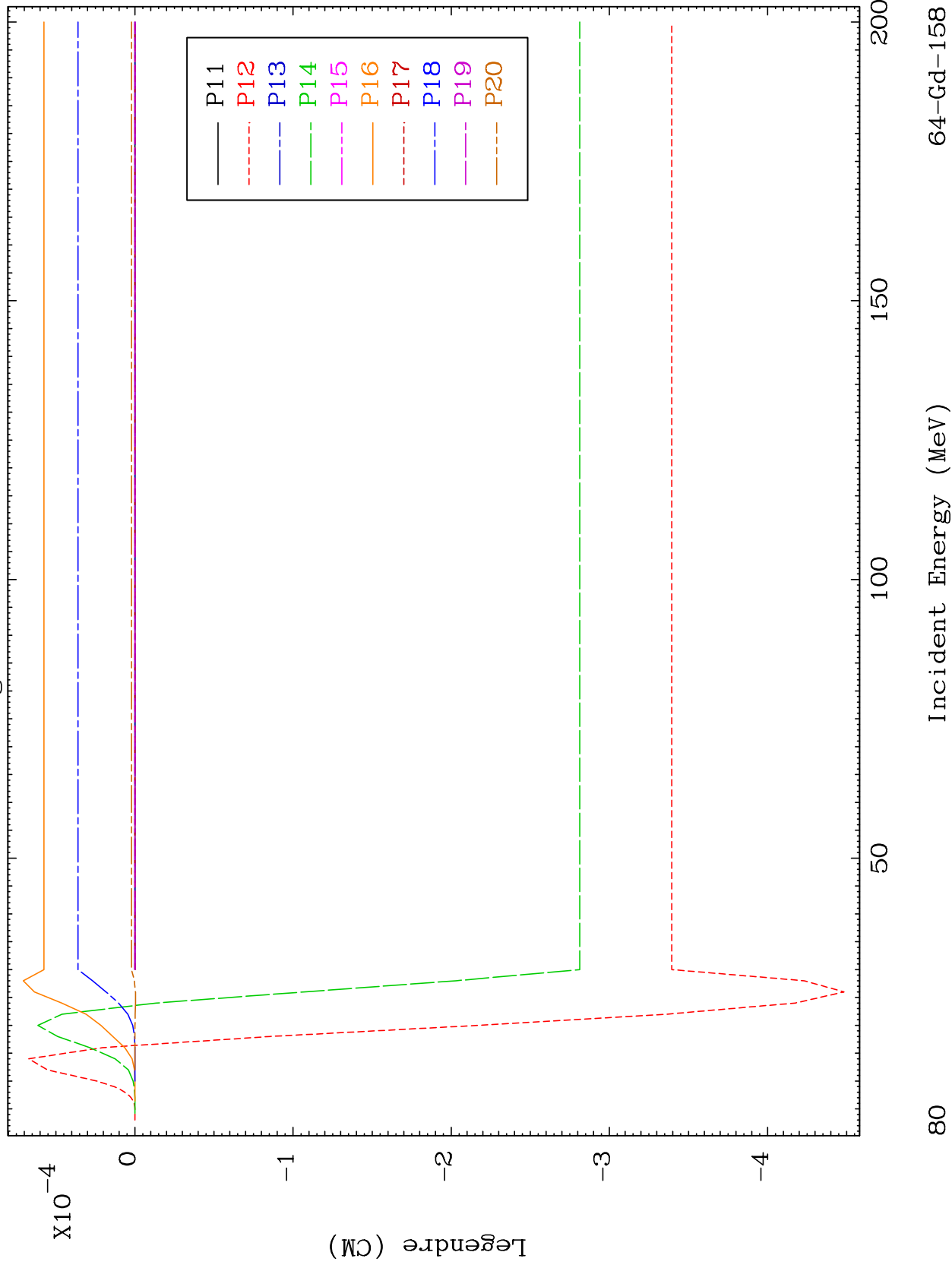


MAT 6443

MT= 67 (n,n') Level

64-Gd-158

Legendre Coefficients



80

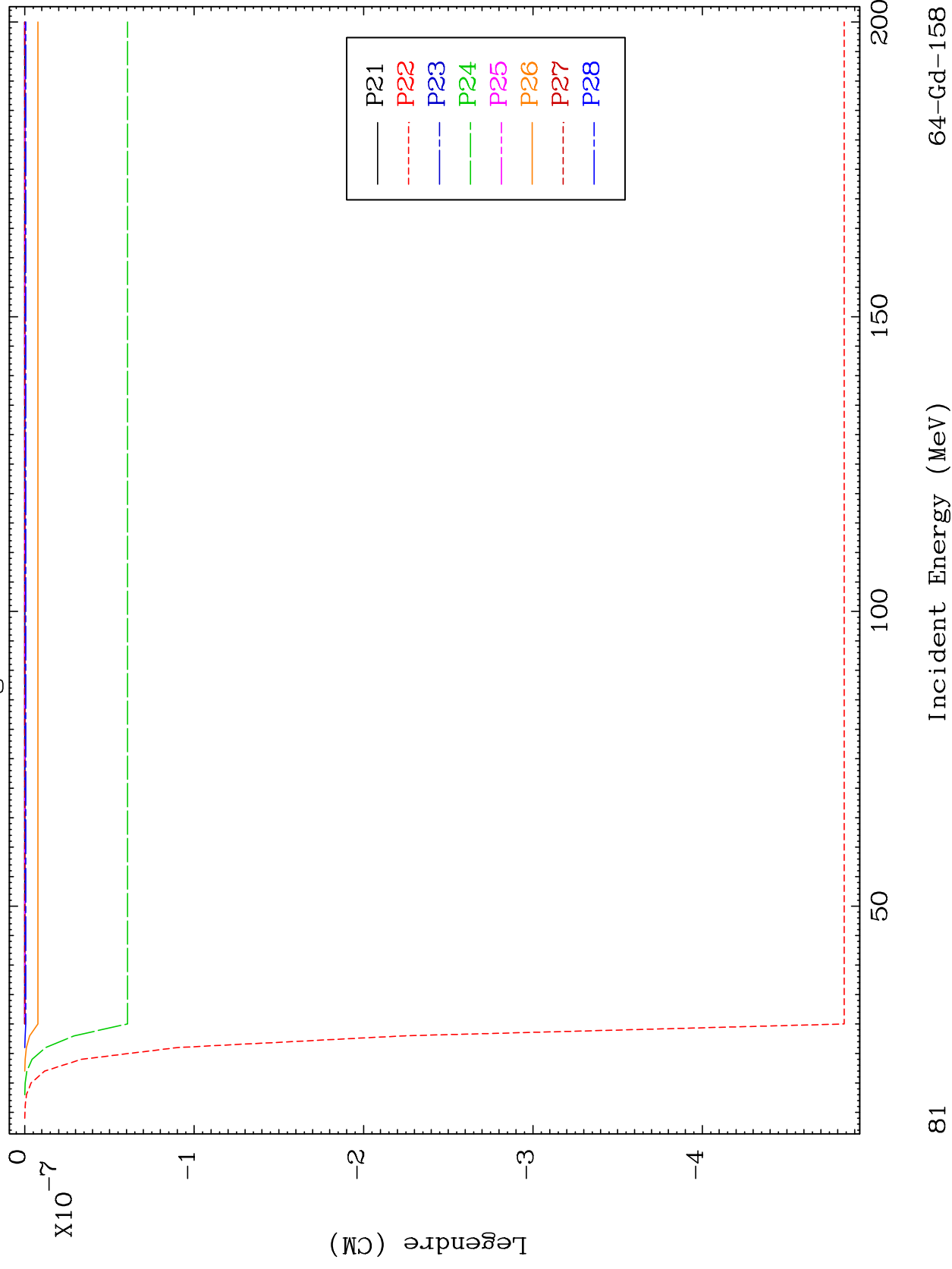
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



81

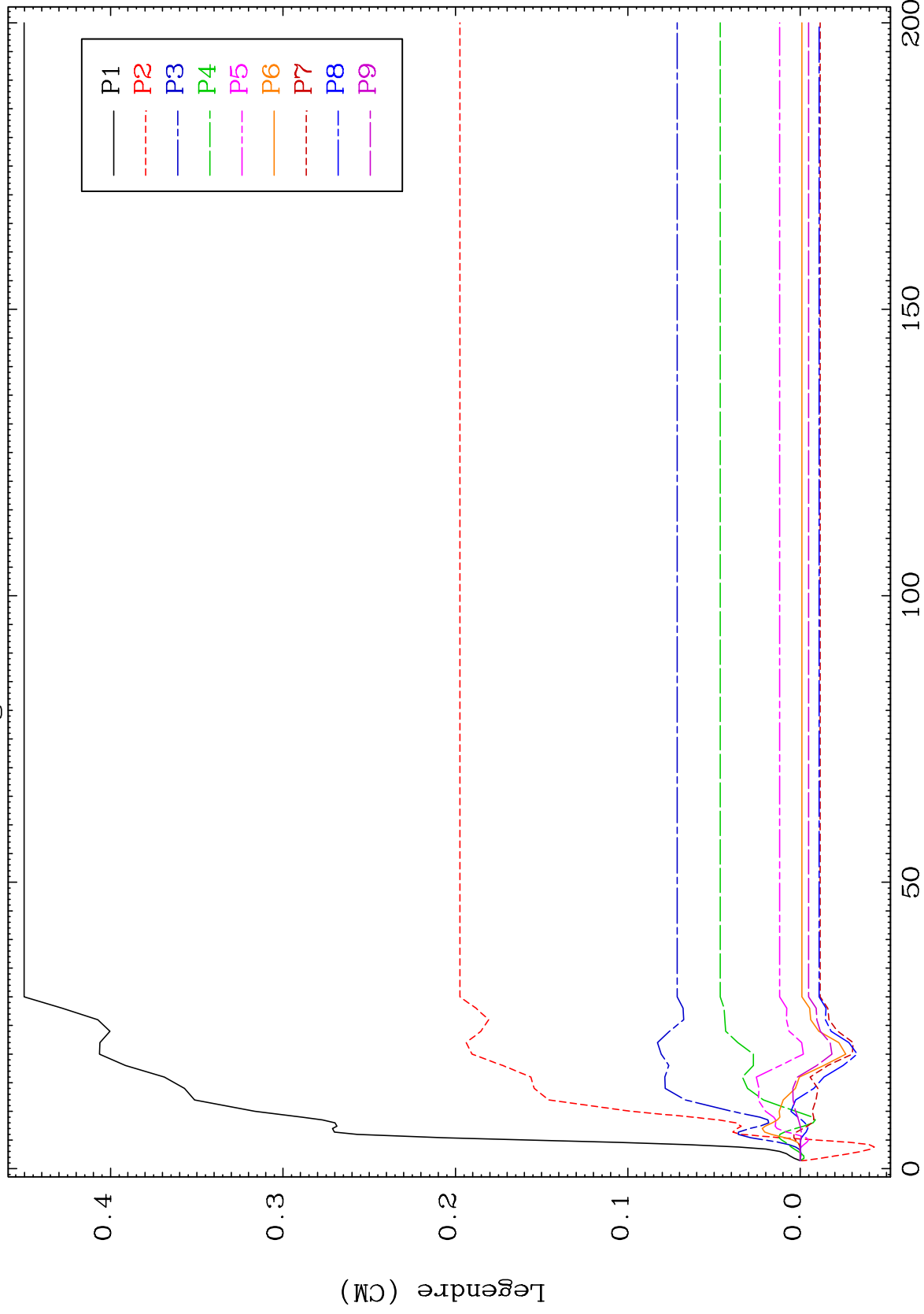
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



64-Gd-158

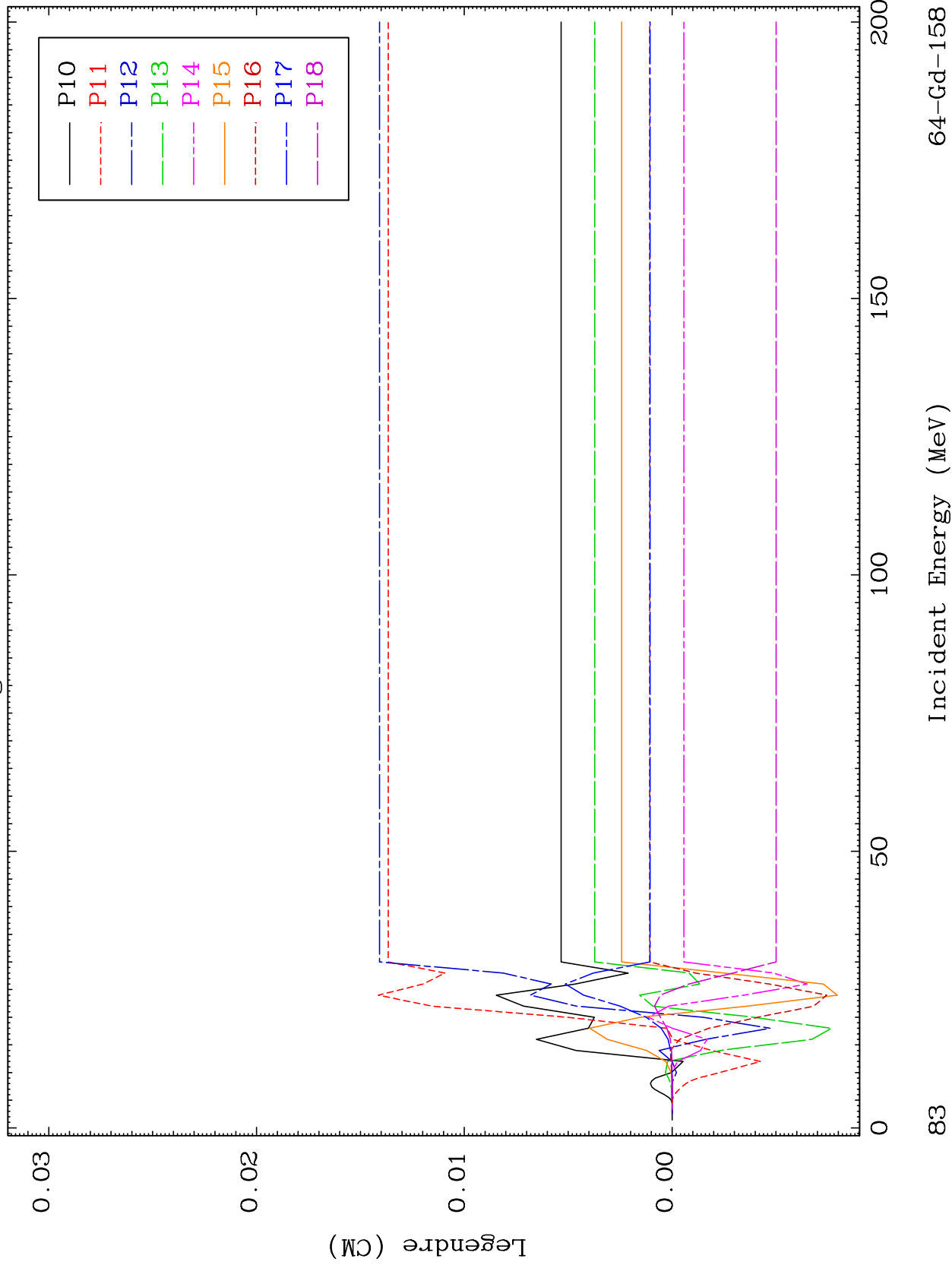
Incident Energy (MeV)

82

MAT 6443

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

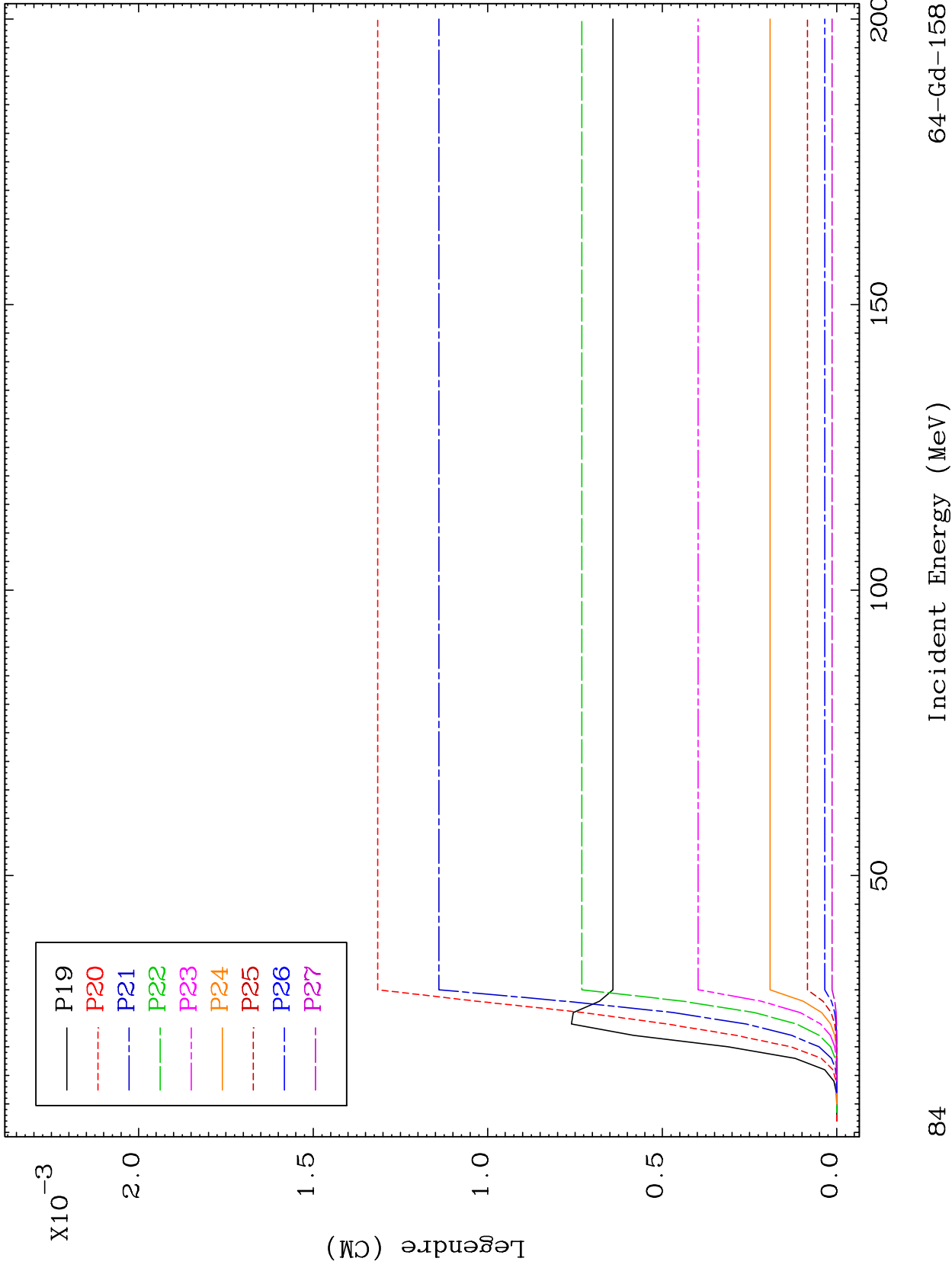
64-Gd-158



MAT 6443

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

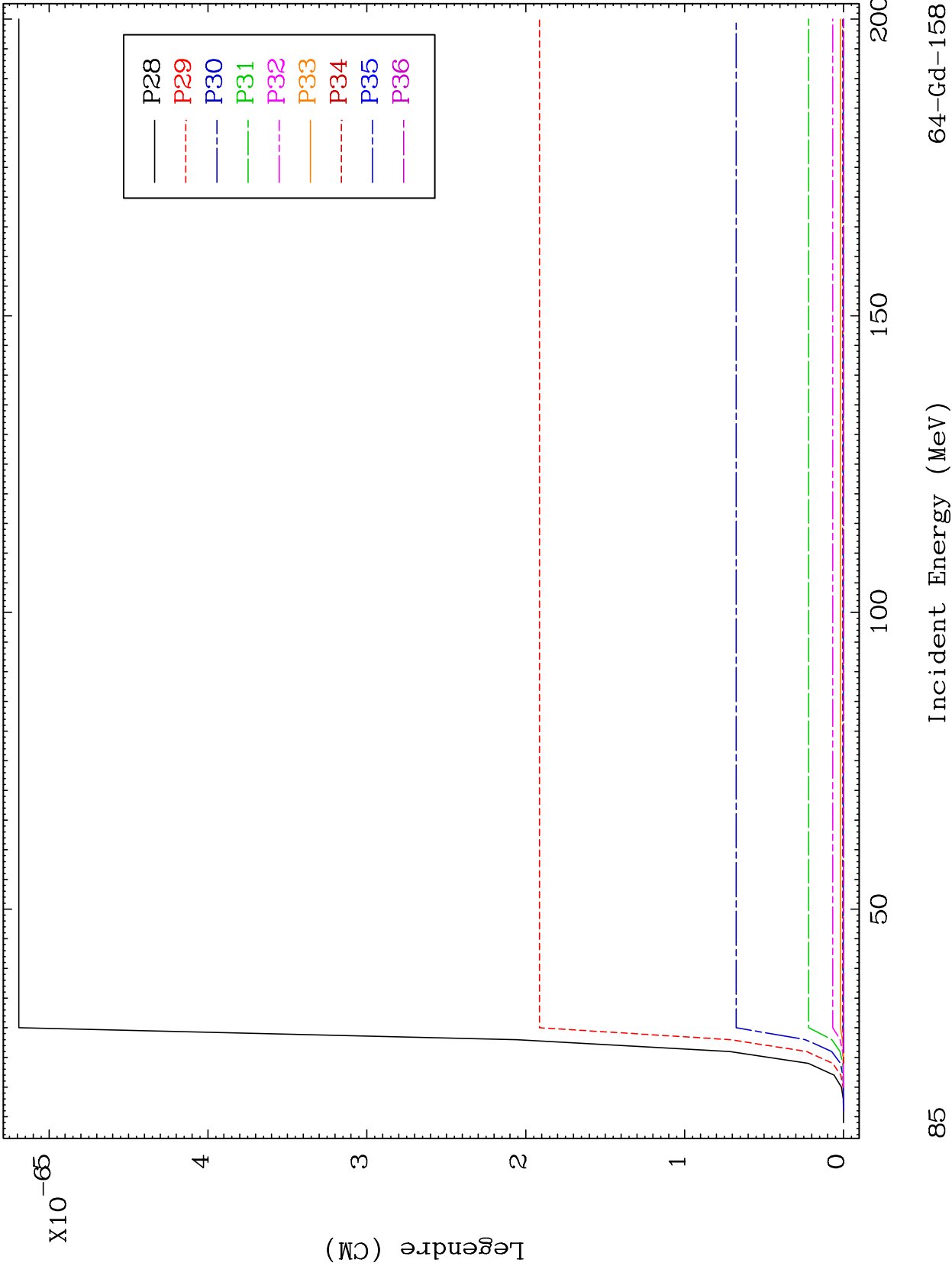
64-Gd-158



MAT 6443

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

64-Gd-158



85

Incident Energy (MeV)

64-Gd-158

200

150

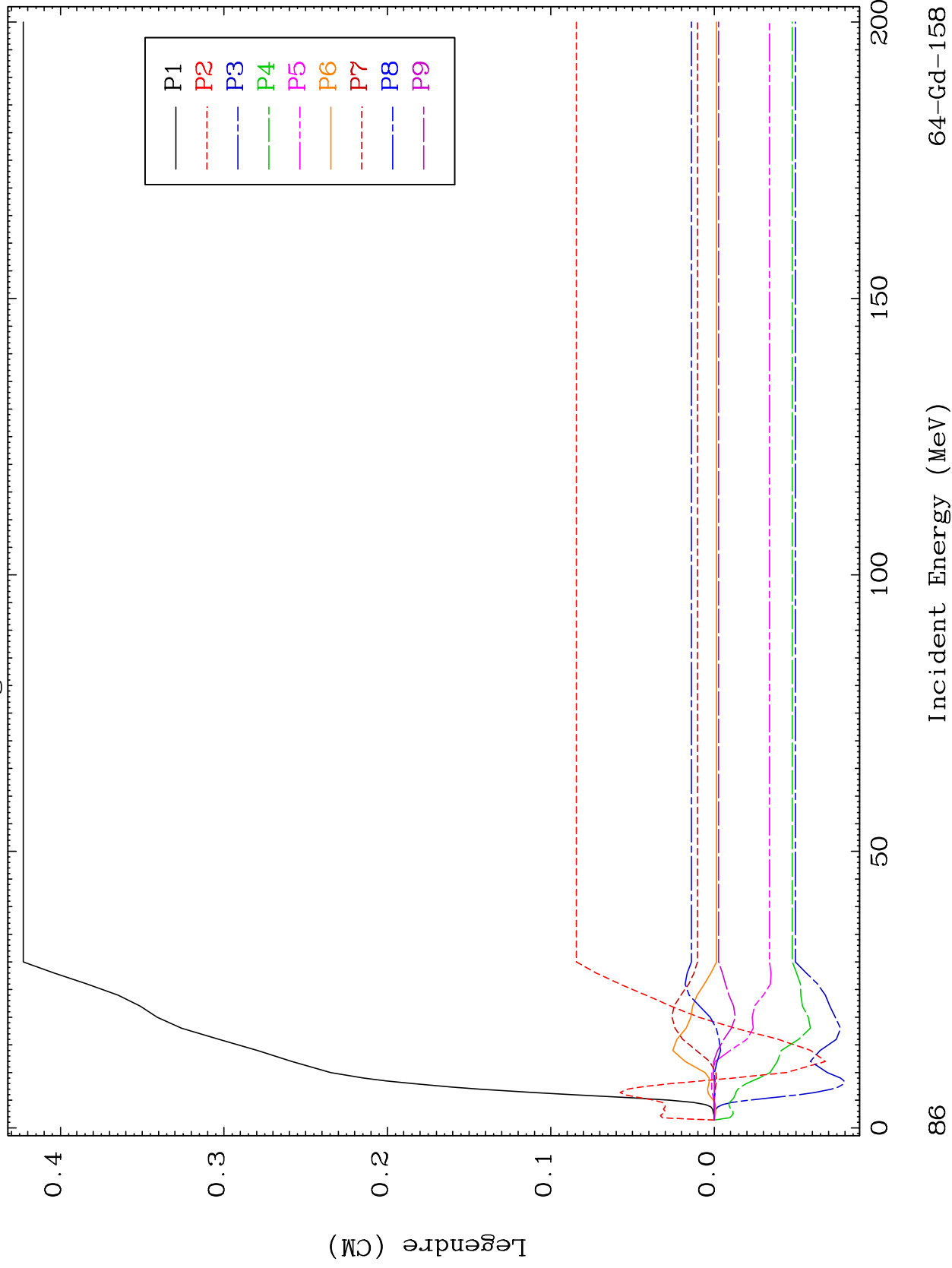
100

50

MAT 6443

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

64-Gd-158



64-Gd-158

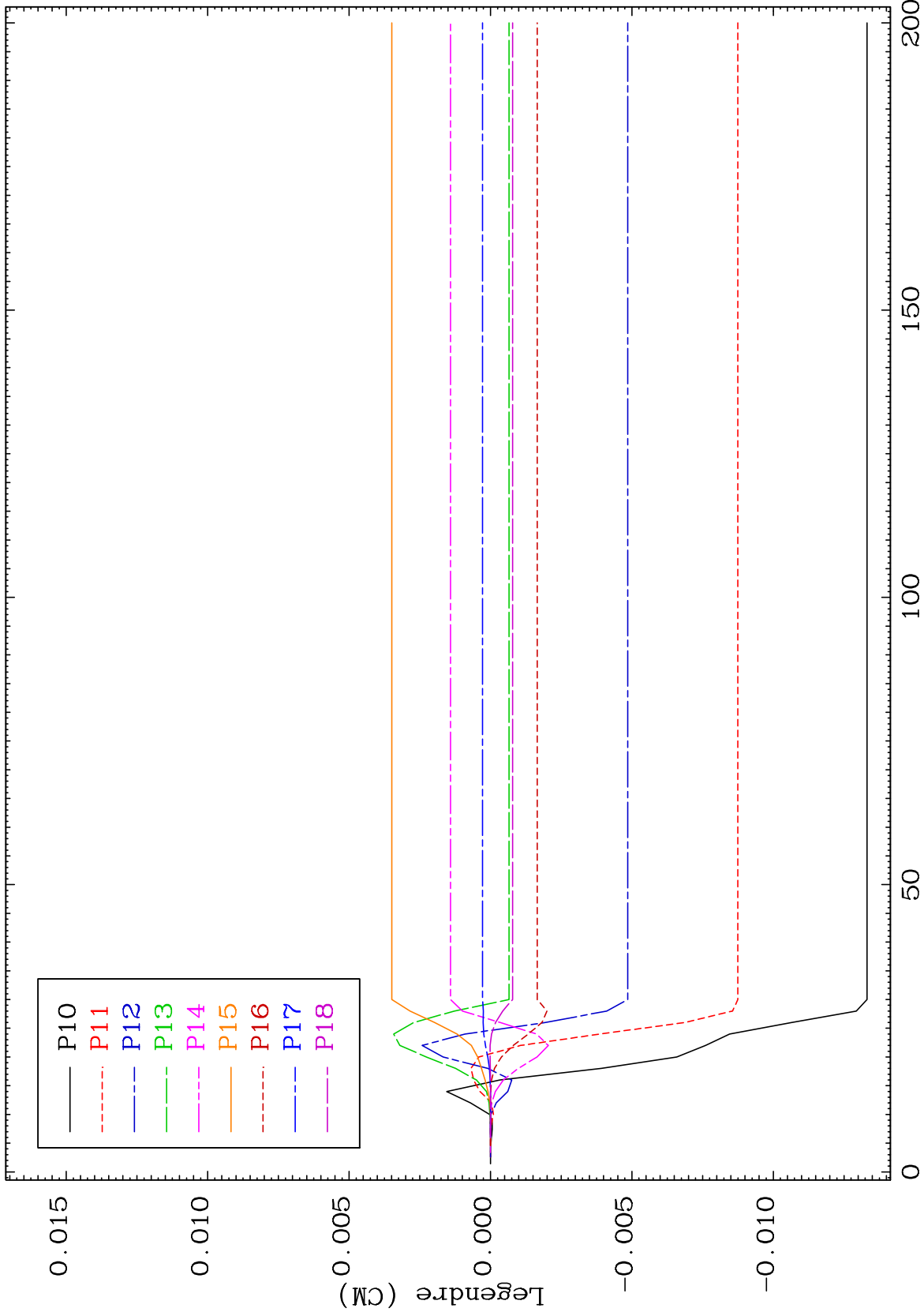
Incident Energy (MeV)

86

MAT 6443

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

64-Gd-158



87

Incident Energy (MeV)

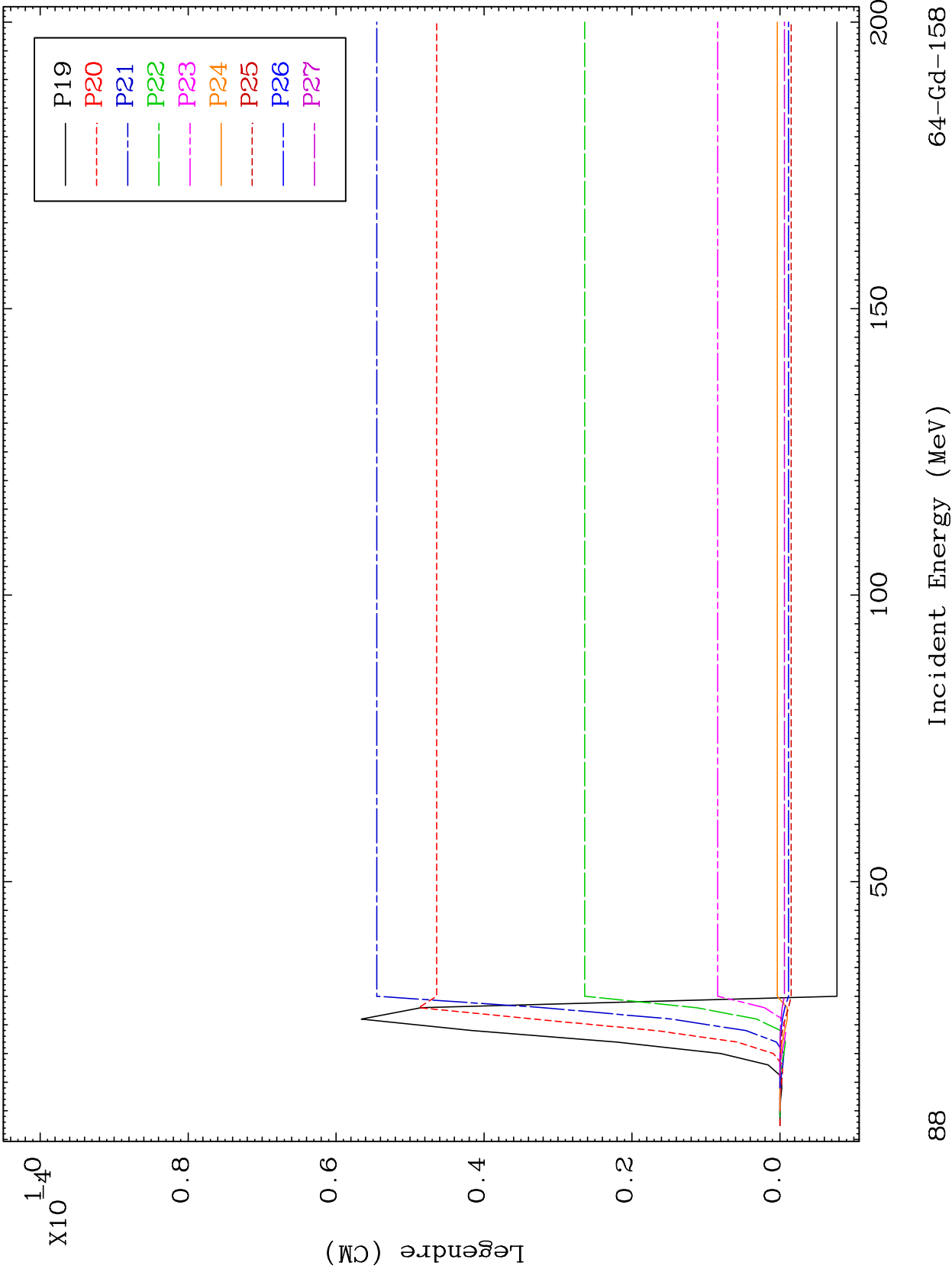
64-Gd-158



MAT 6443

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

64-Gd-158



88

Incident Energy (MeV)

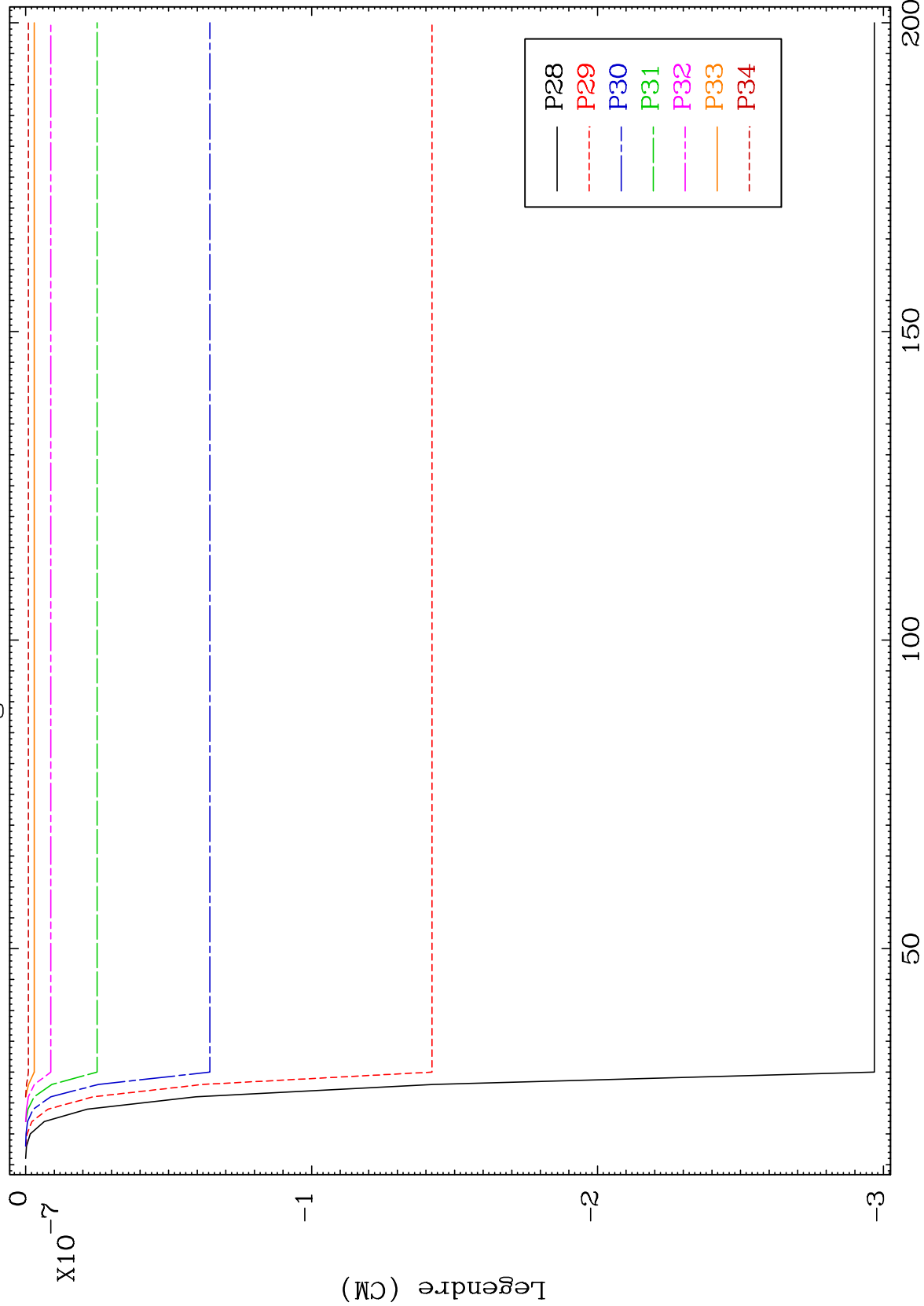
64-Gd-158

MAT 6443

MT= 69 (n,n') Level

64-Gd-158

Legendre Coefficients



89

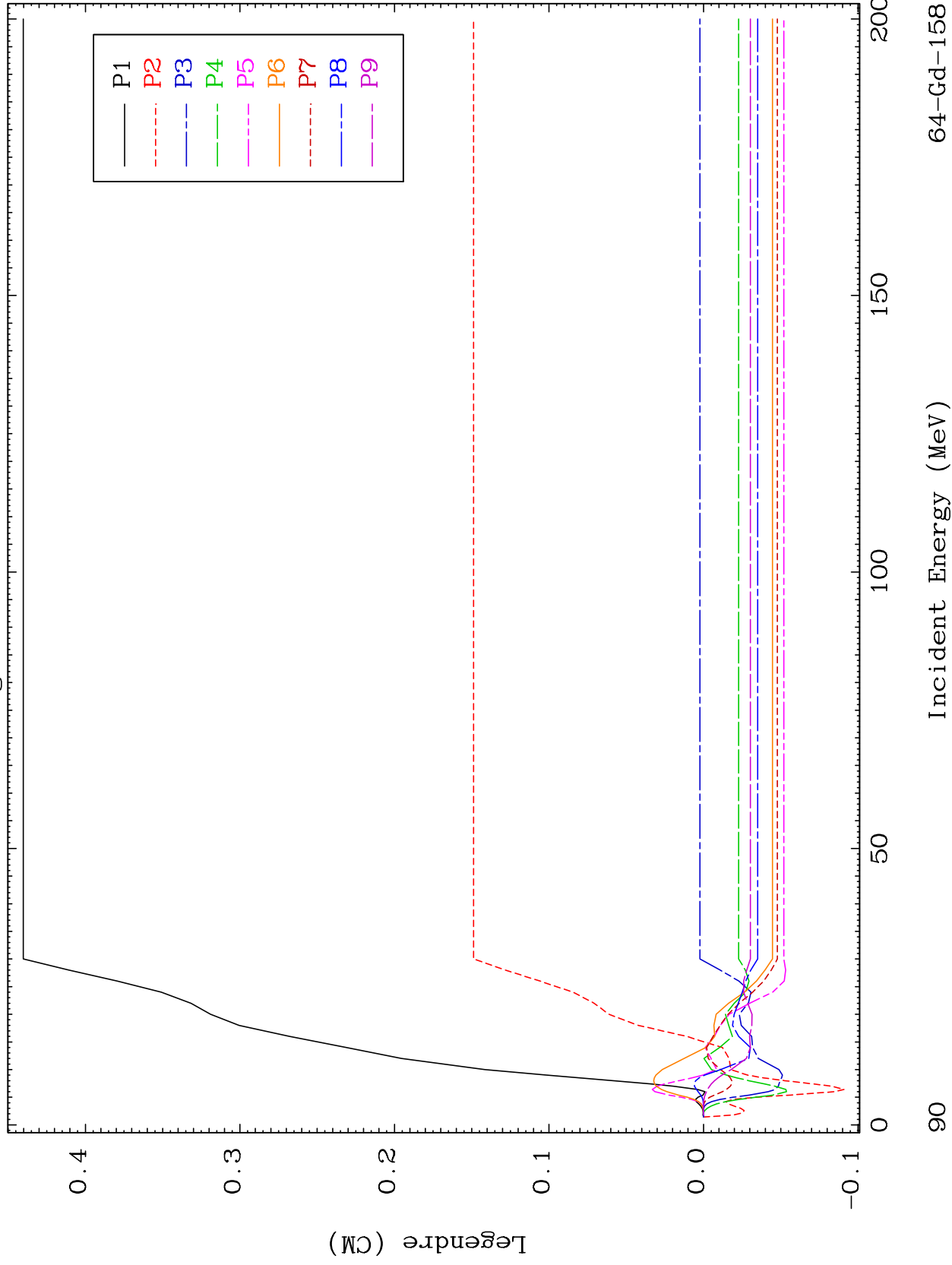
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158

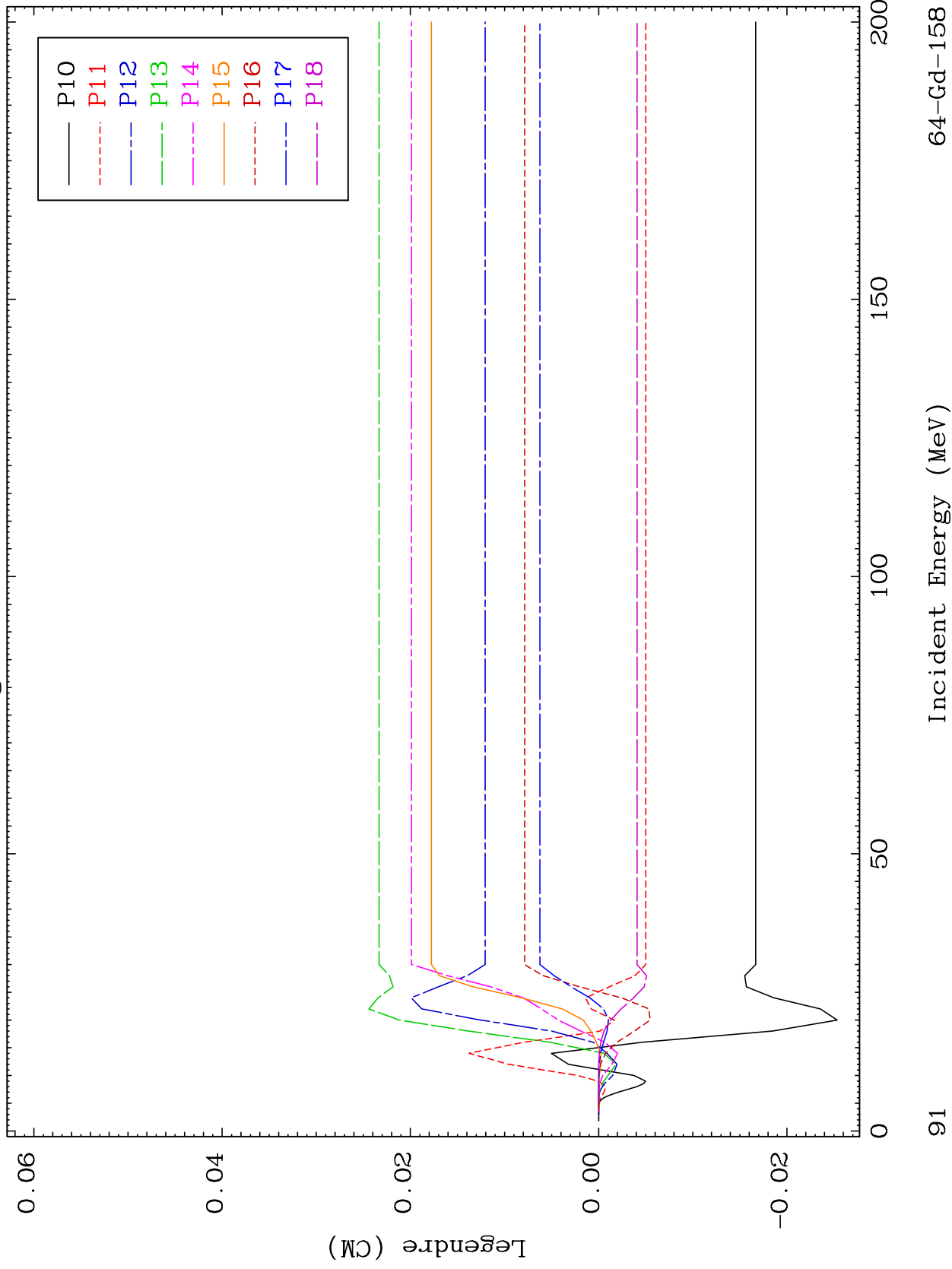


64-Gd-158

MAT 6443

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

64-Gd-158



64-Gd-158

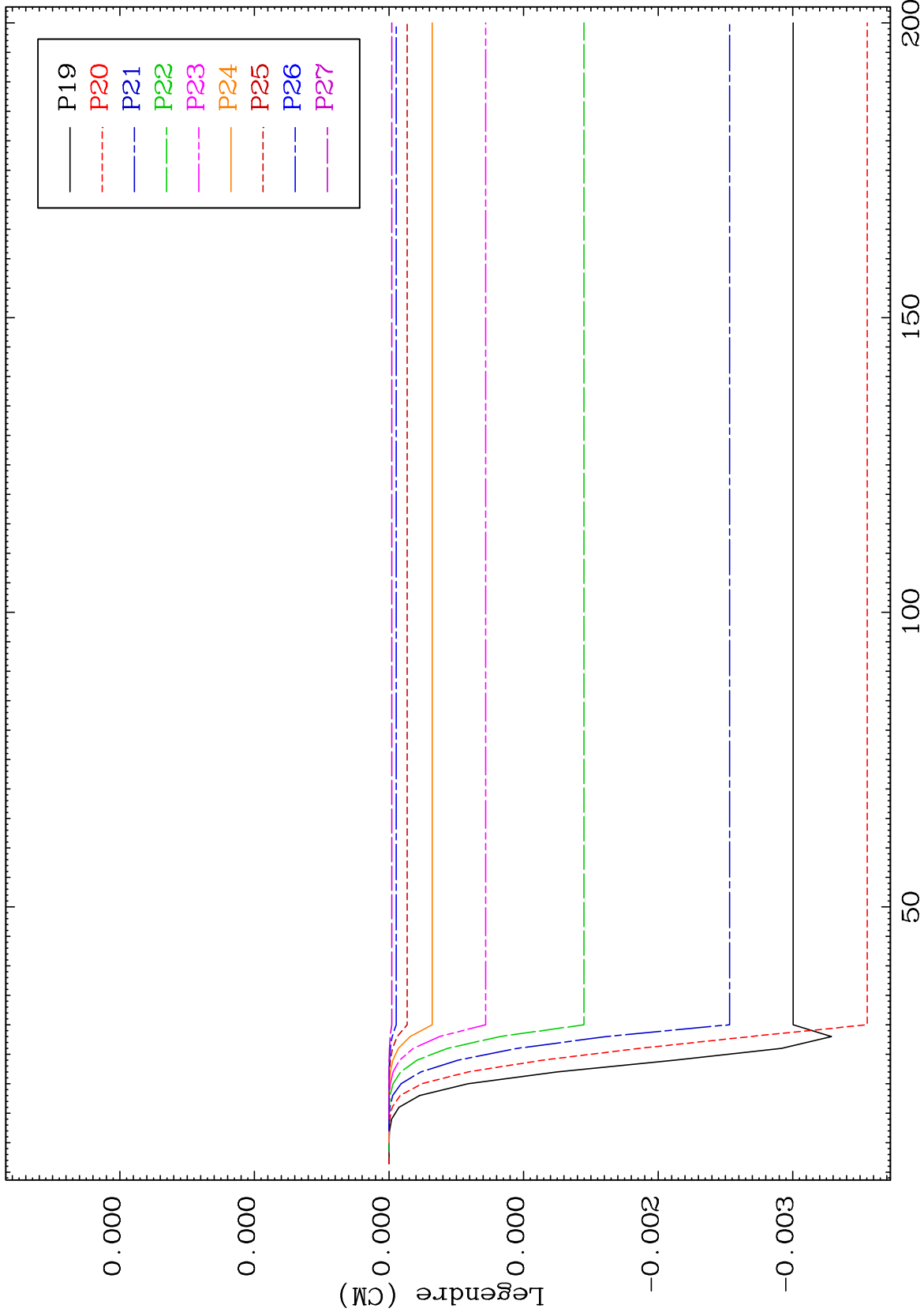
Incident Energy (MeV)

91

MAT 6443

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

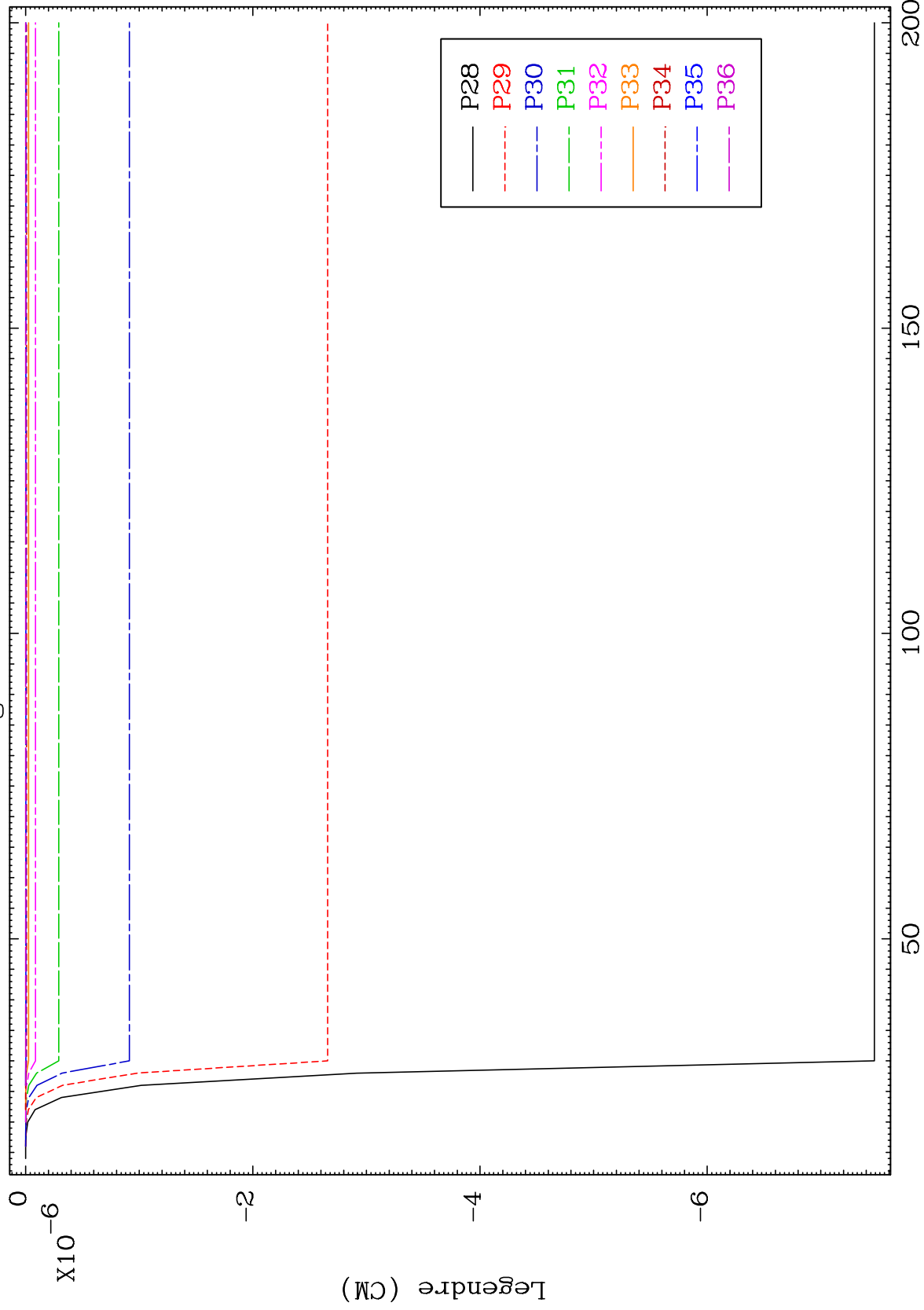
64-Gd-158



MAT 6443

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

64-Gd-158



93

Incident Energy (MeV)

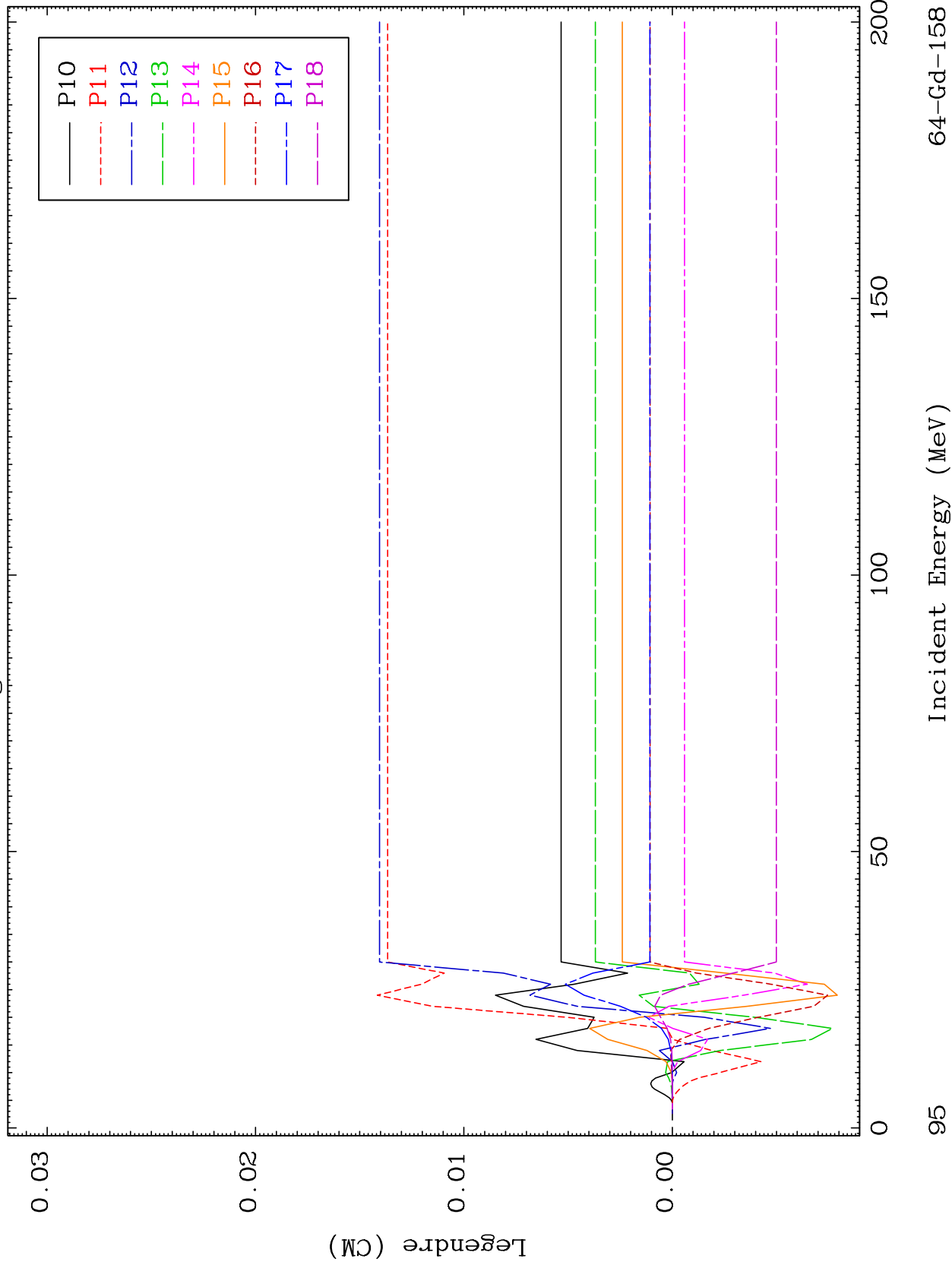
64-Gd-158



MAT 6443

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

64-Gd-158

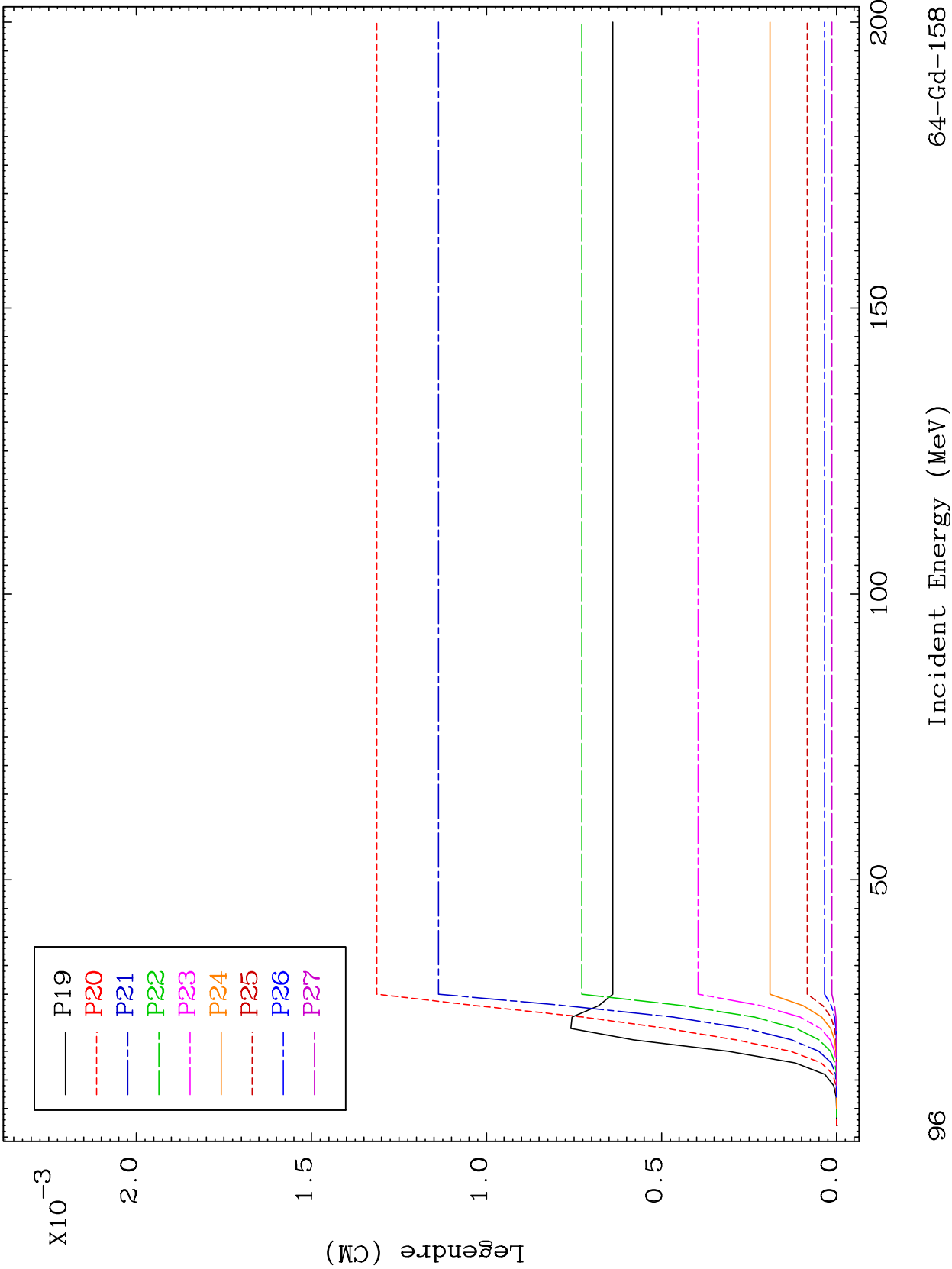


64-Gd-158

Incident Energy (MeV)

95

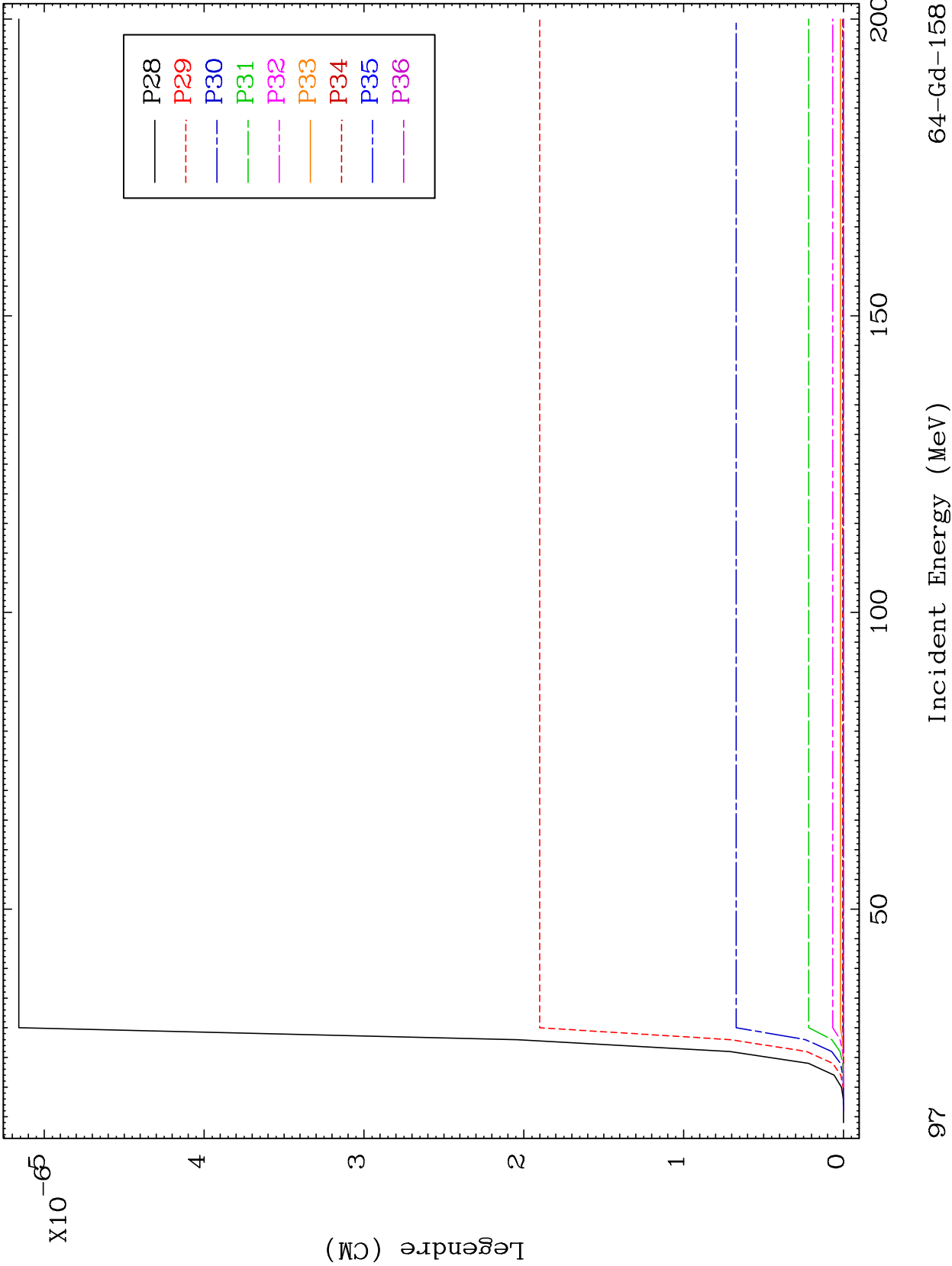




MAT 6443

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

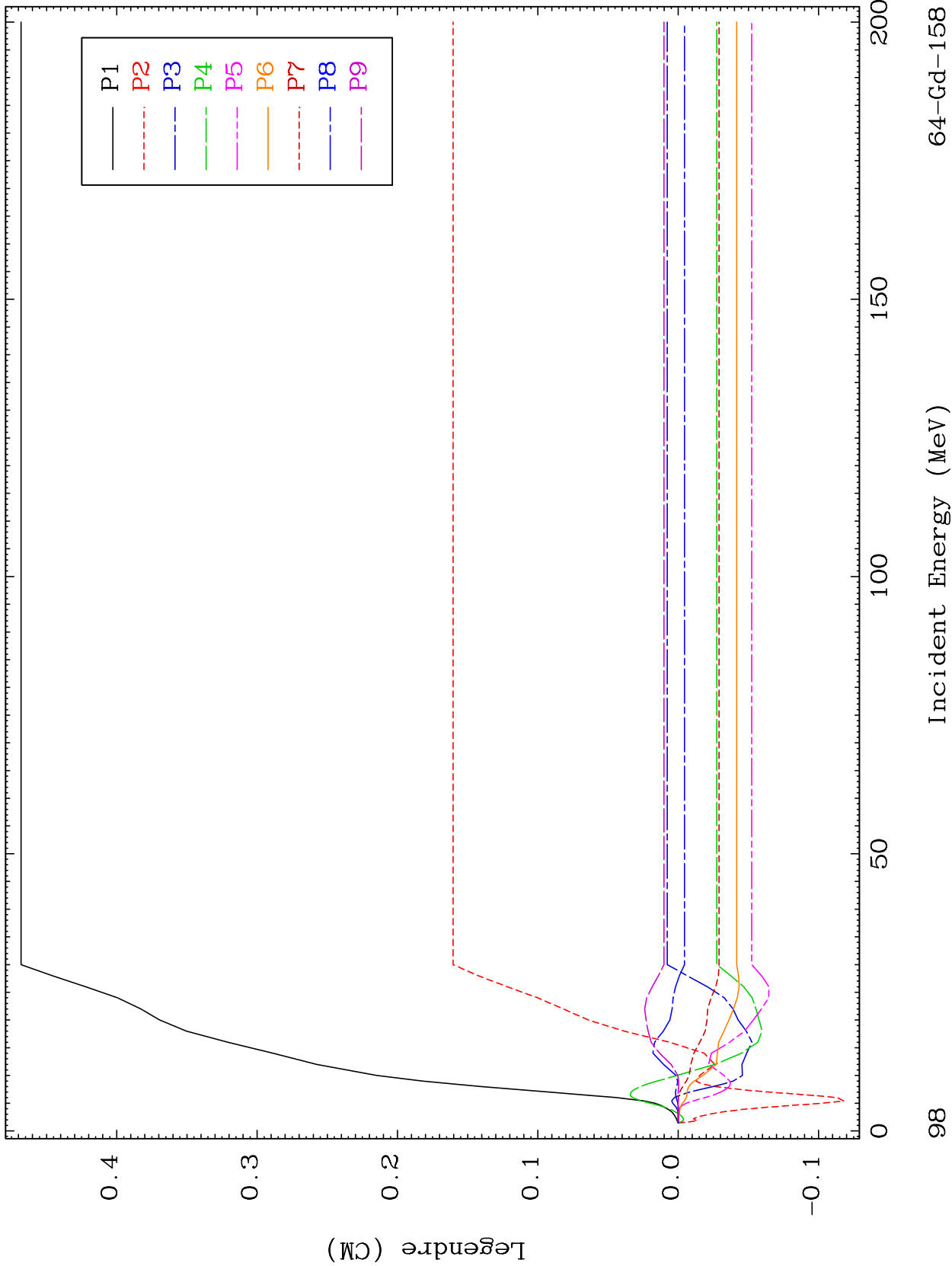
64-Gd-158



MAT 6443

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

64-Gd-158



64-Gd-158

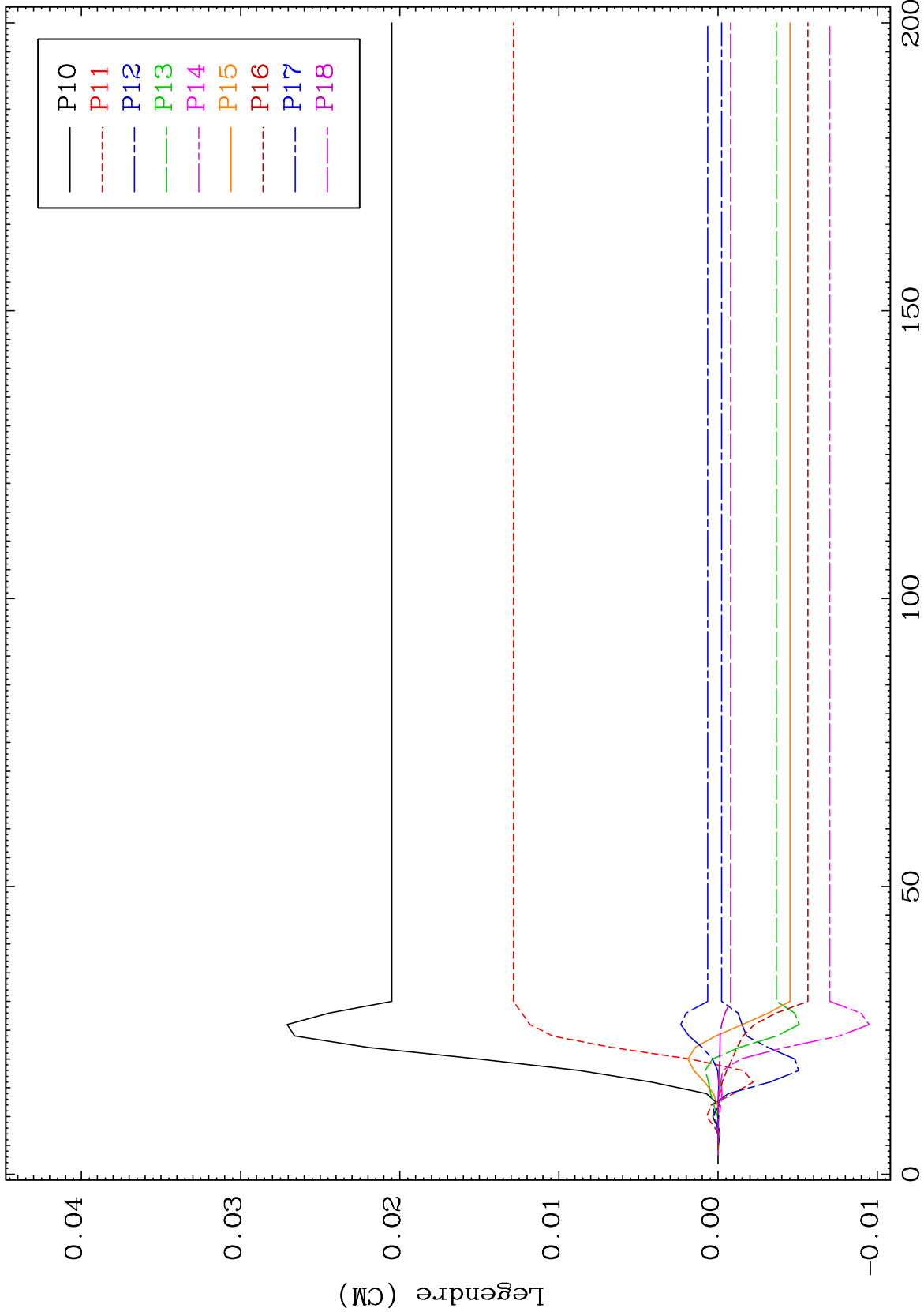
Incident Energy (MeV)

98

MAT 6443

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

64-Gd-158



99

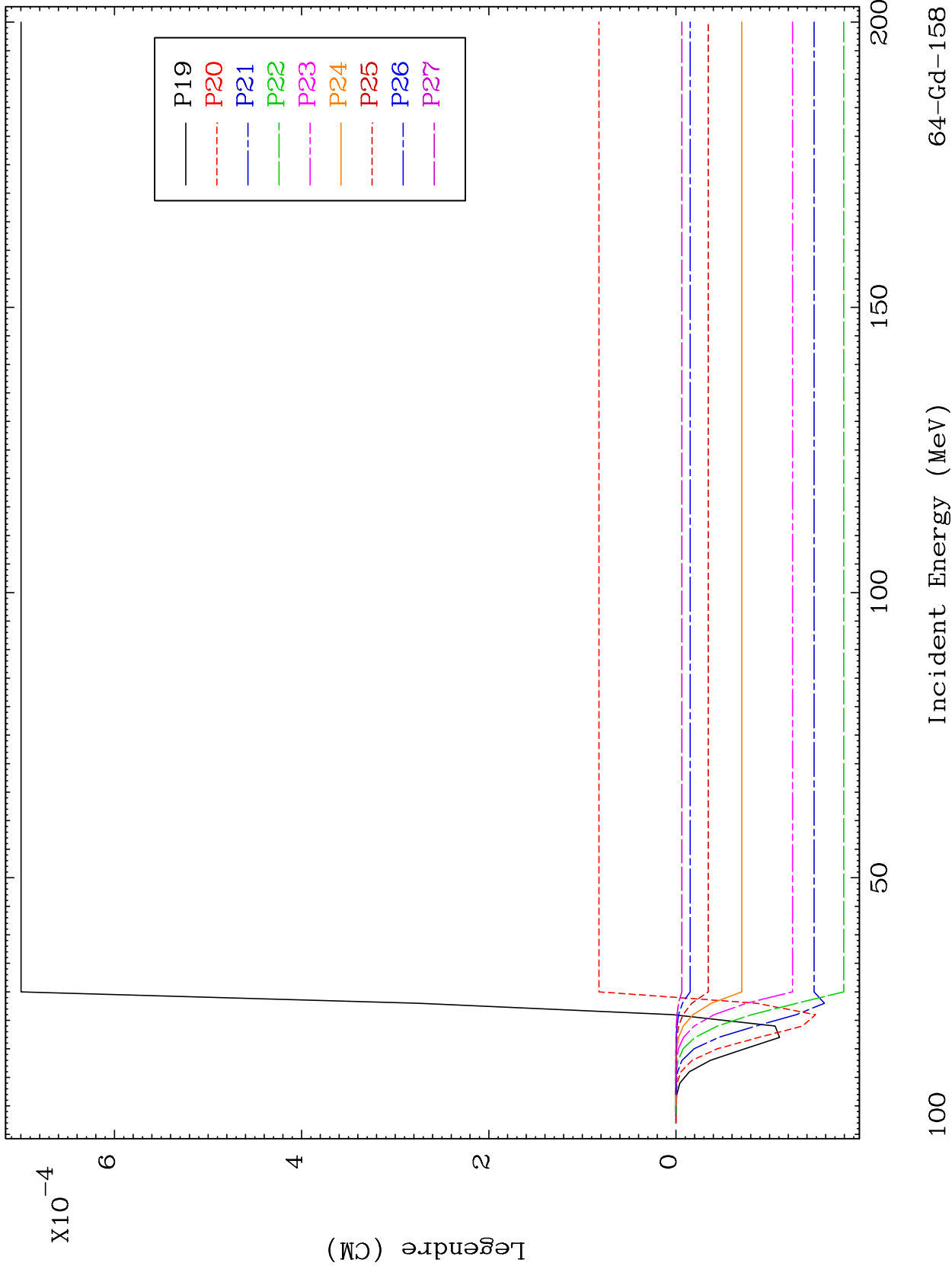
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



100

Incident Energy (MeV)

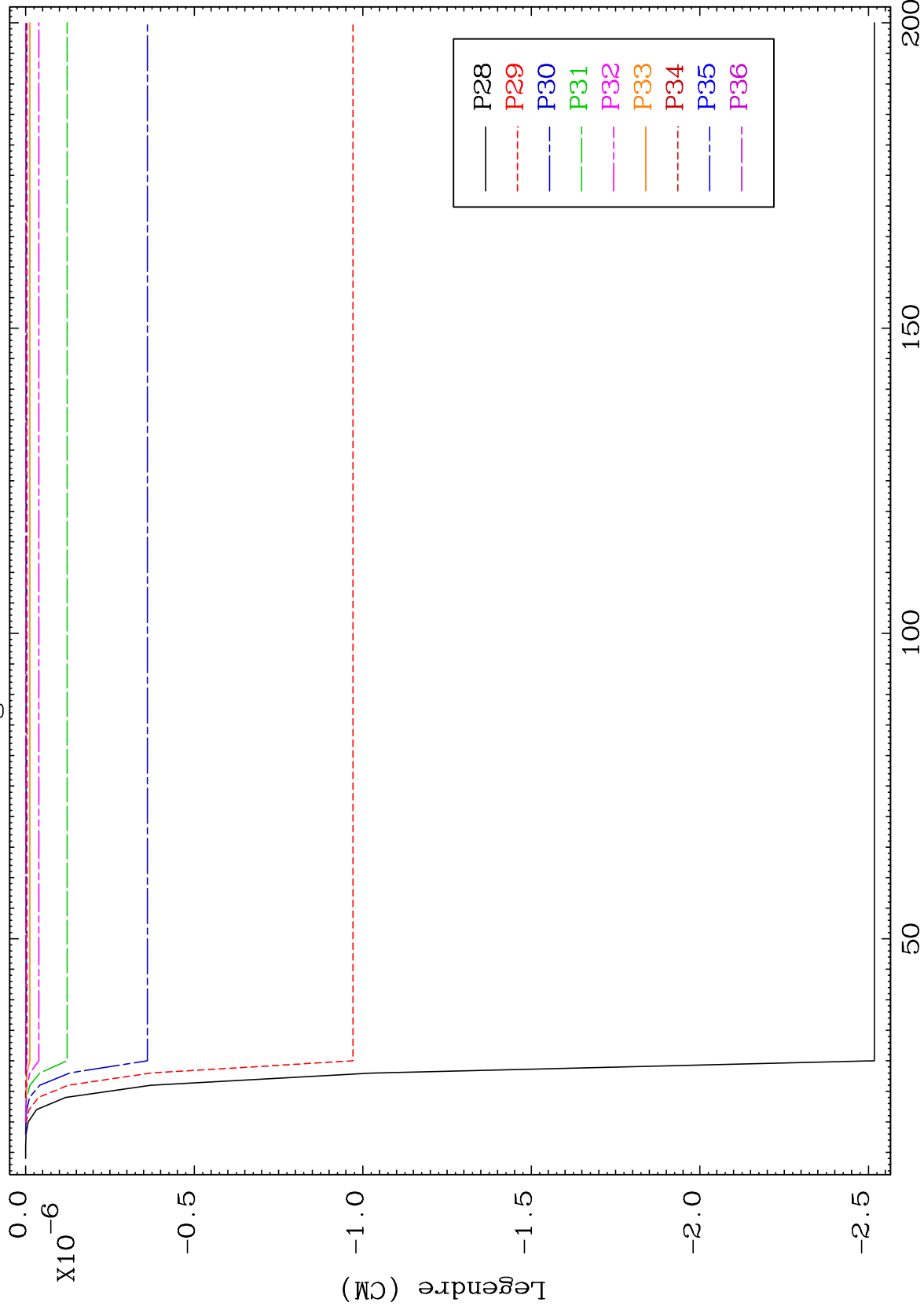
64-Gd-158

MAT 6443

MT= 72 (n,n') Level

64-Gd-158

Legendre Coefficients



64-Gd-158

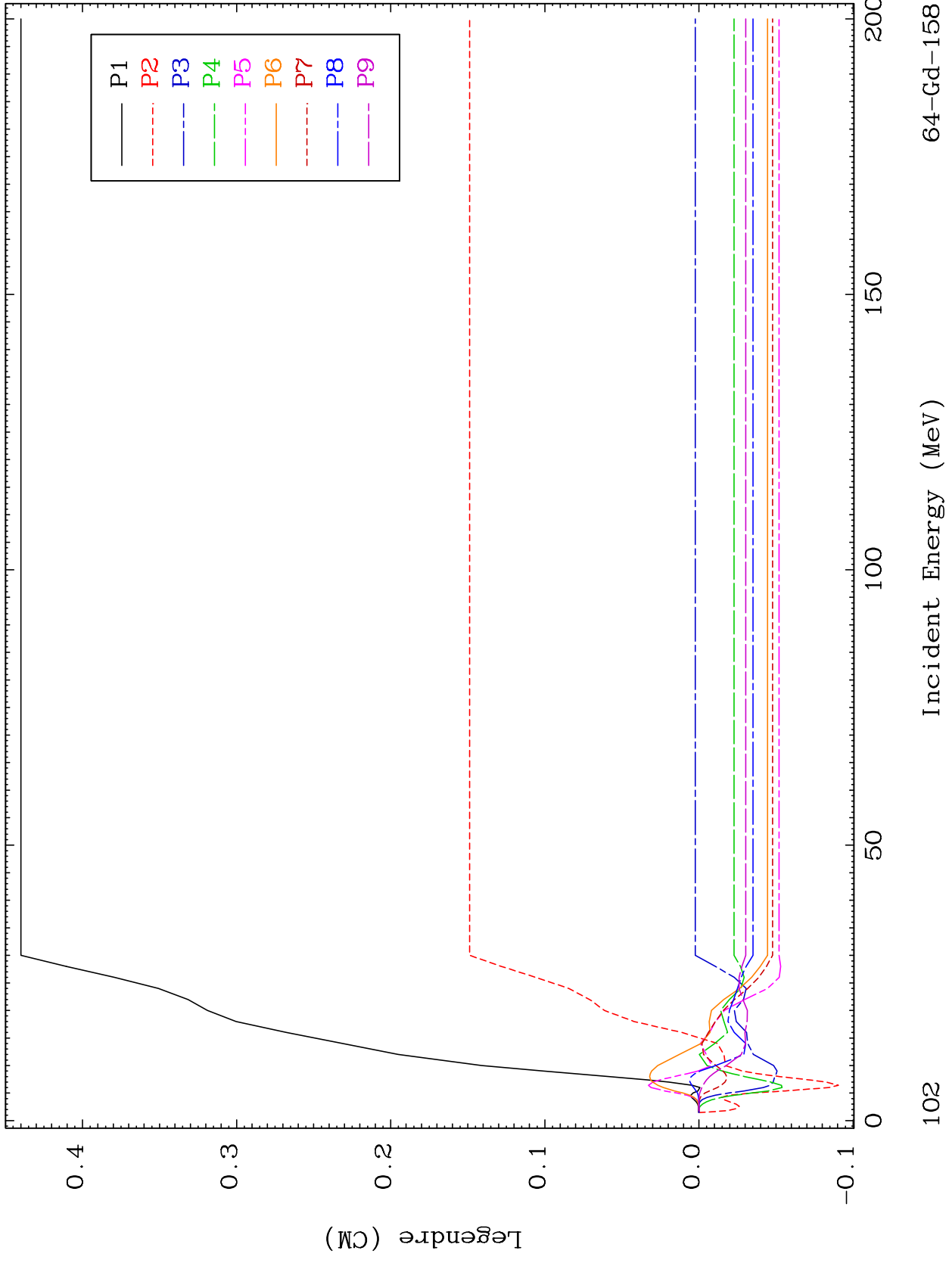
Incident Energy (MeV)

101

MAT 6443

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

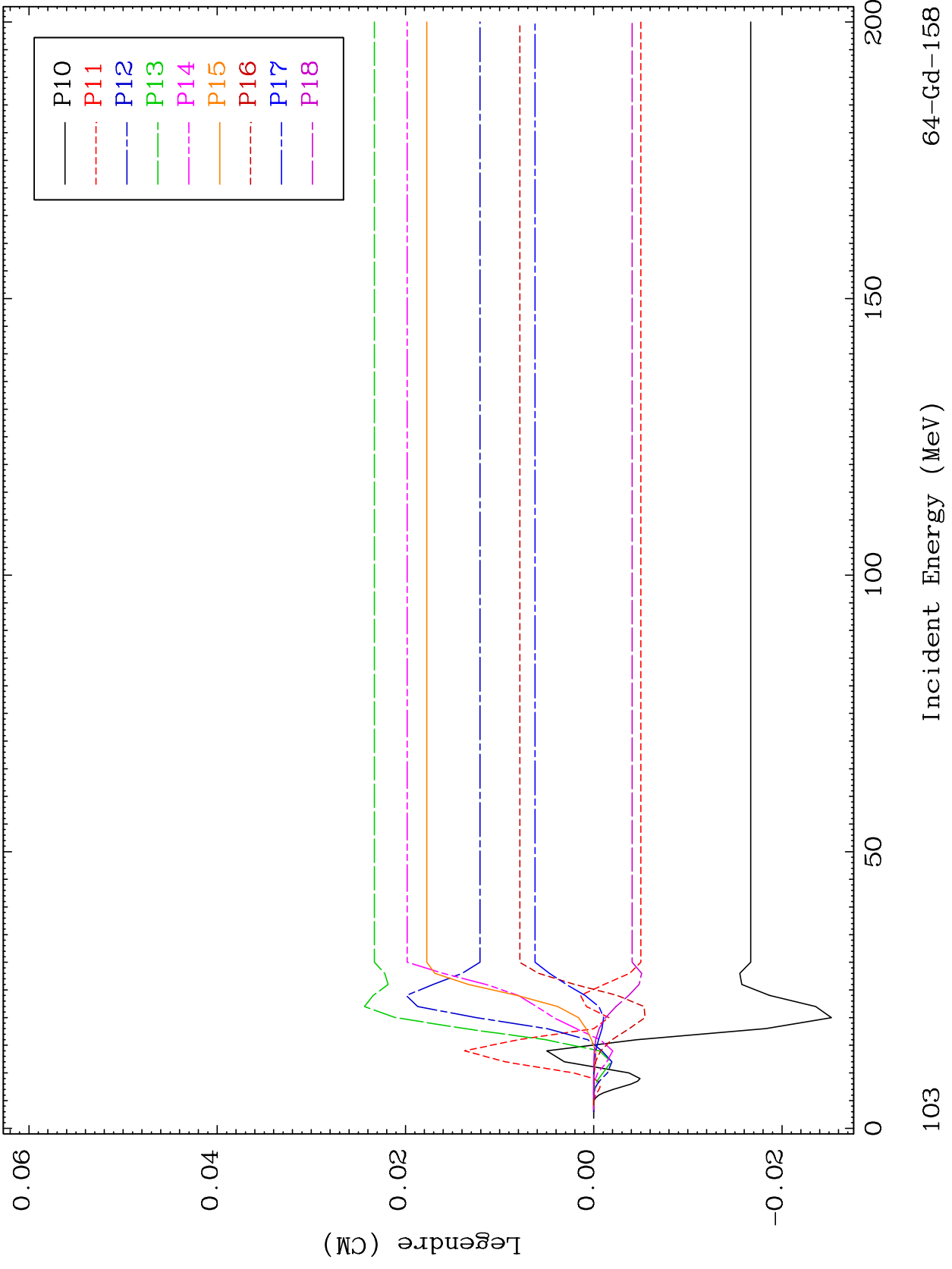
64-Gd-158



MAT 6443

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

64-Gd-158



64-Gd-158

Incident Energy (MeV)

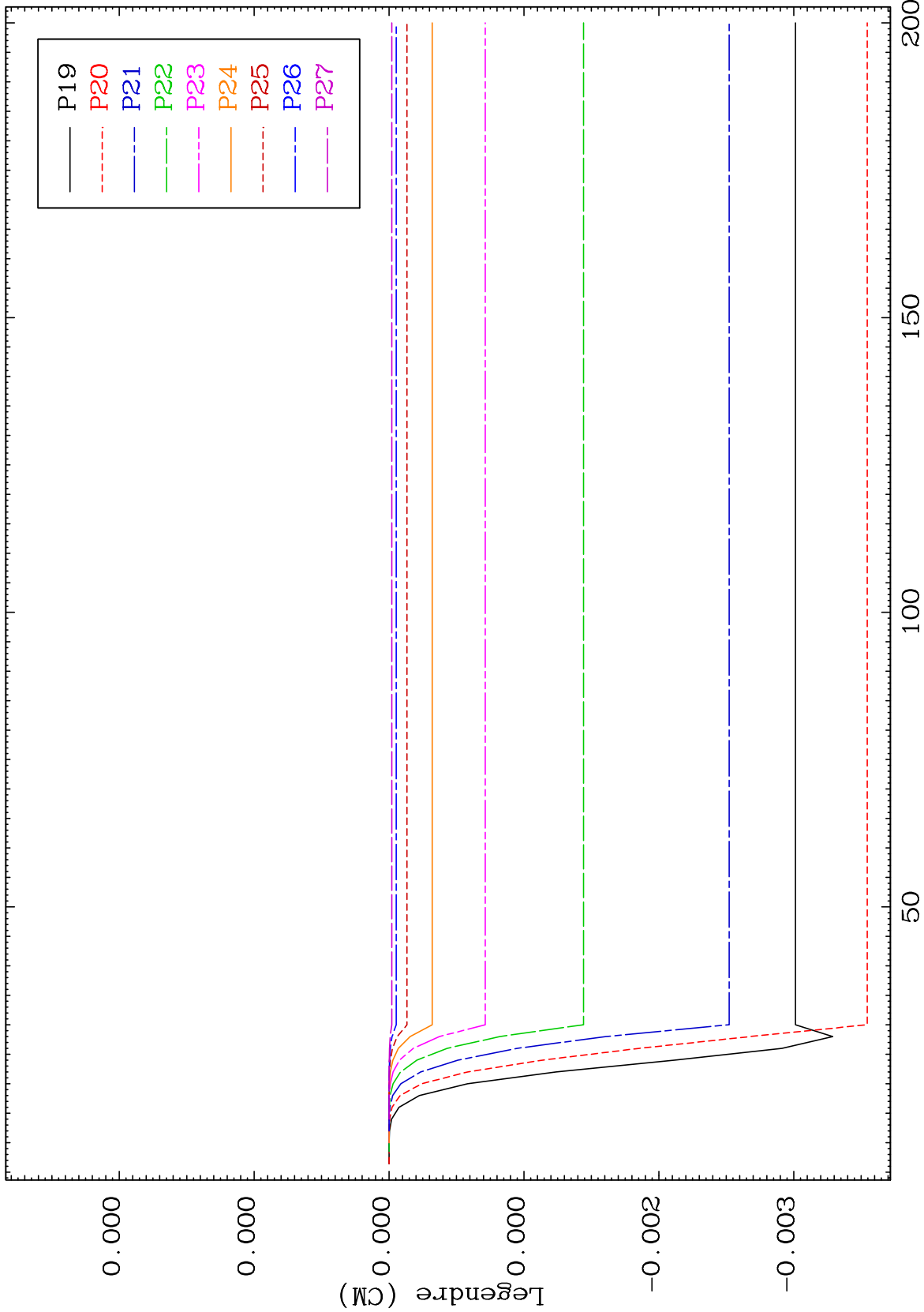
103



MAT 6443

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

64-Gd-158



104

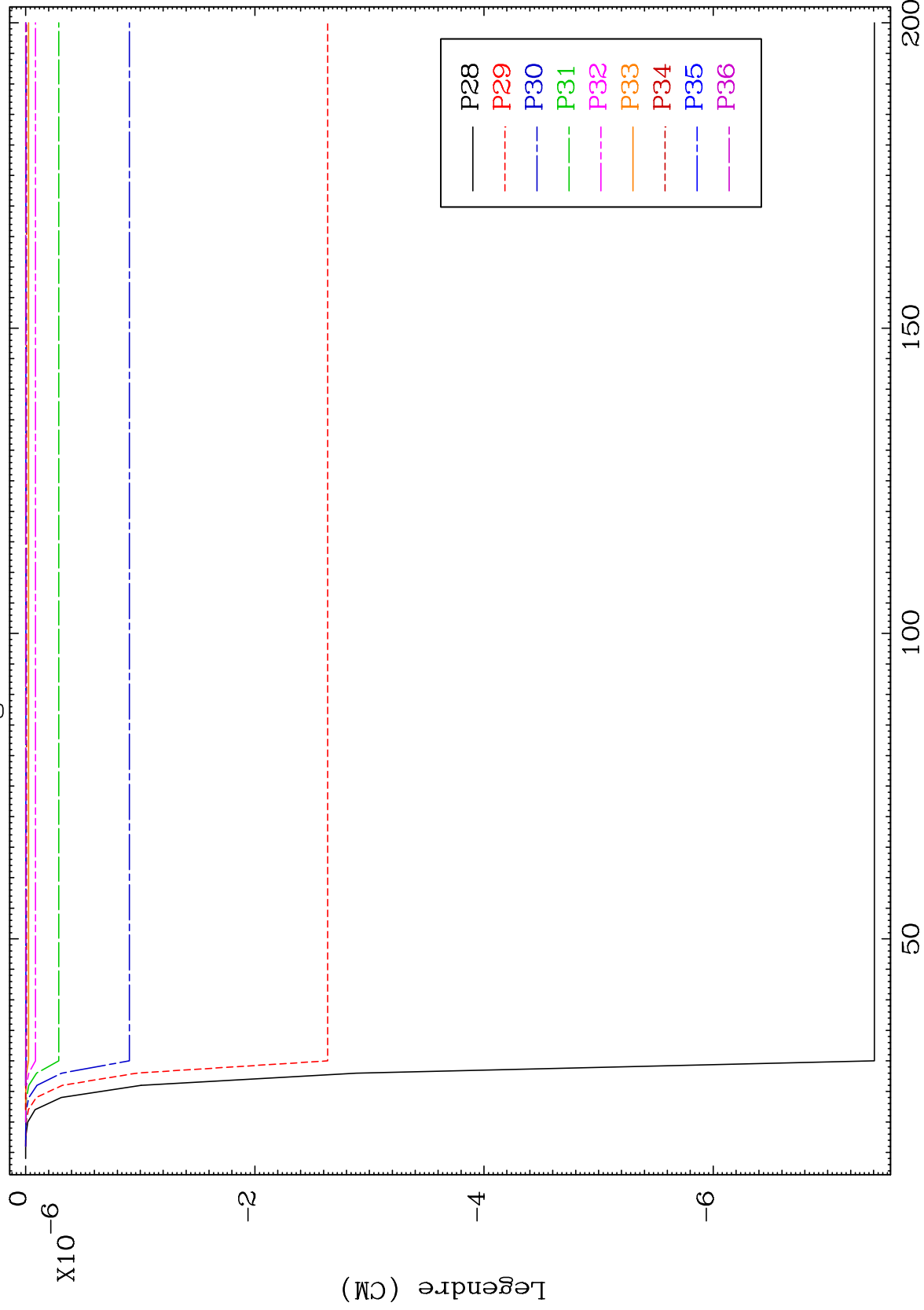
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



105

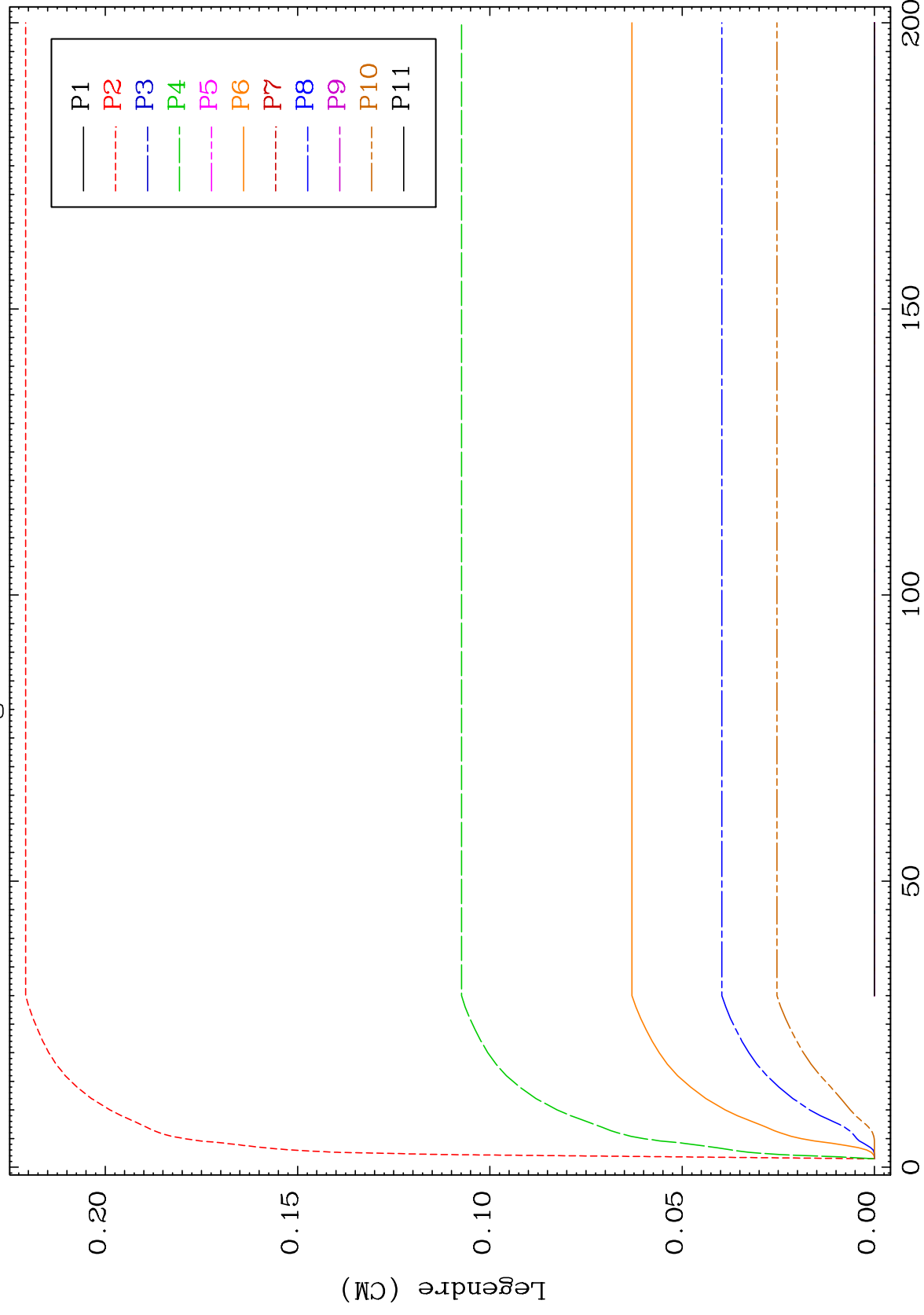
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



64-Gd-158

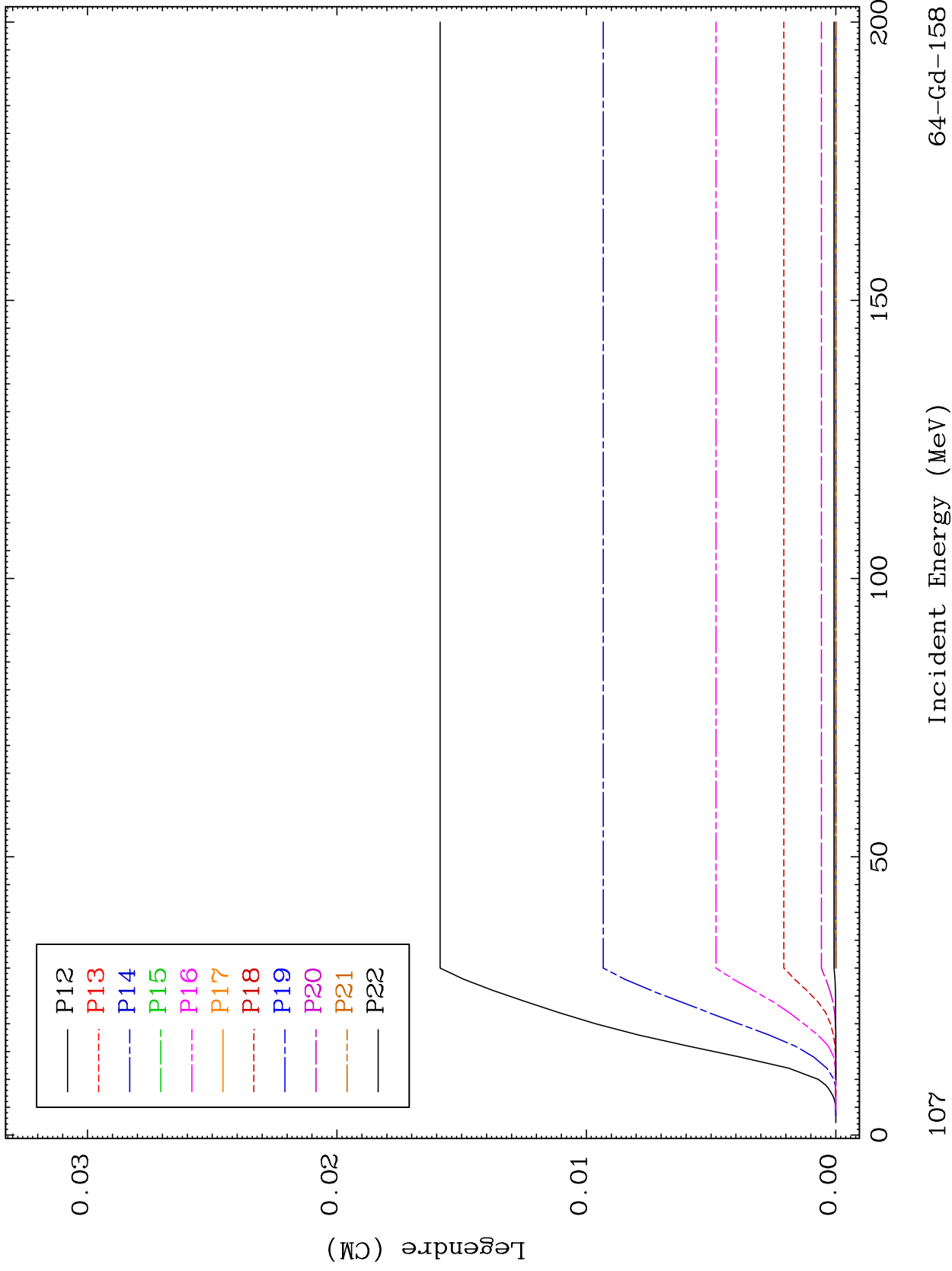
Incident Energy (MeV)

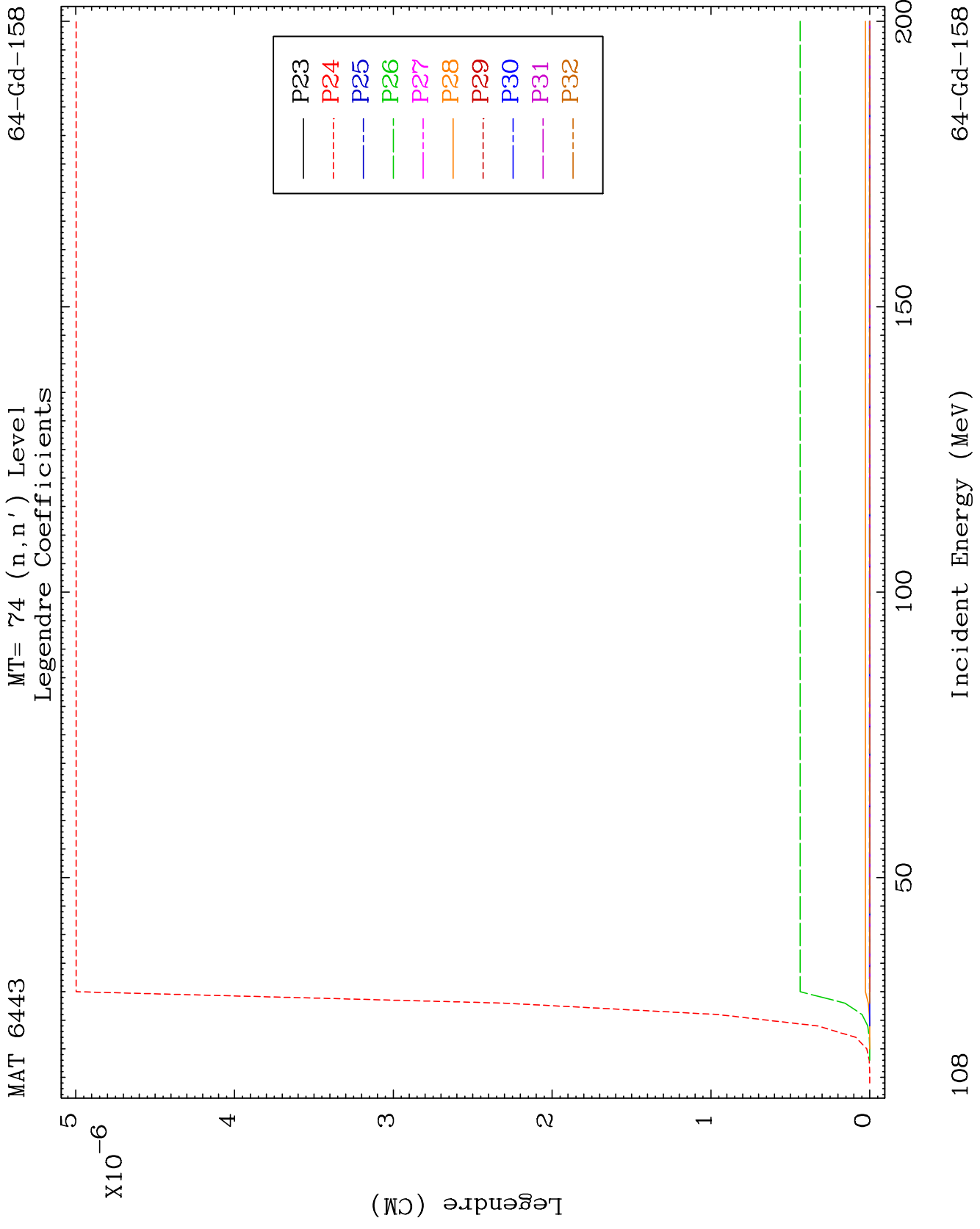
106

MAT 6443

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

64-Gd-158

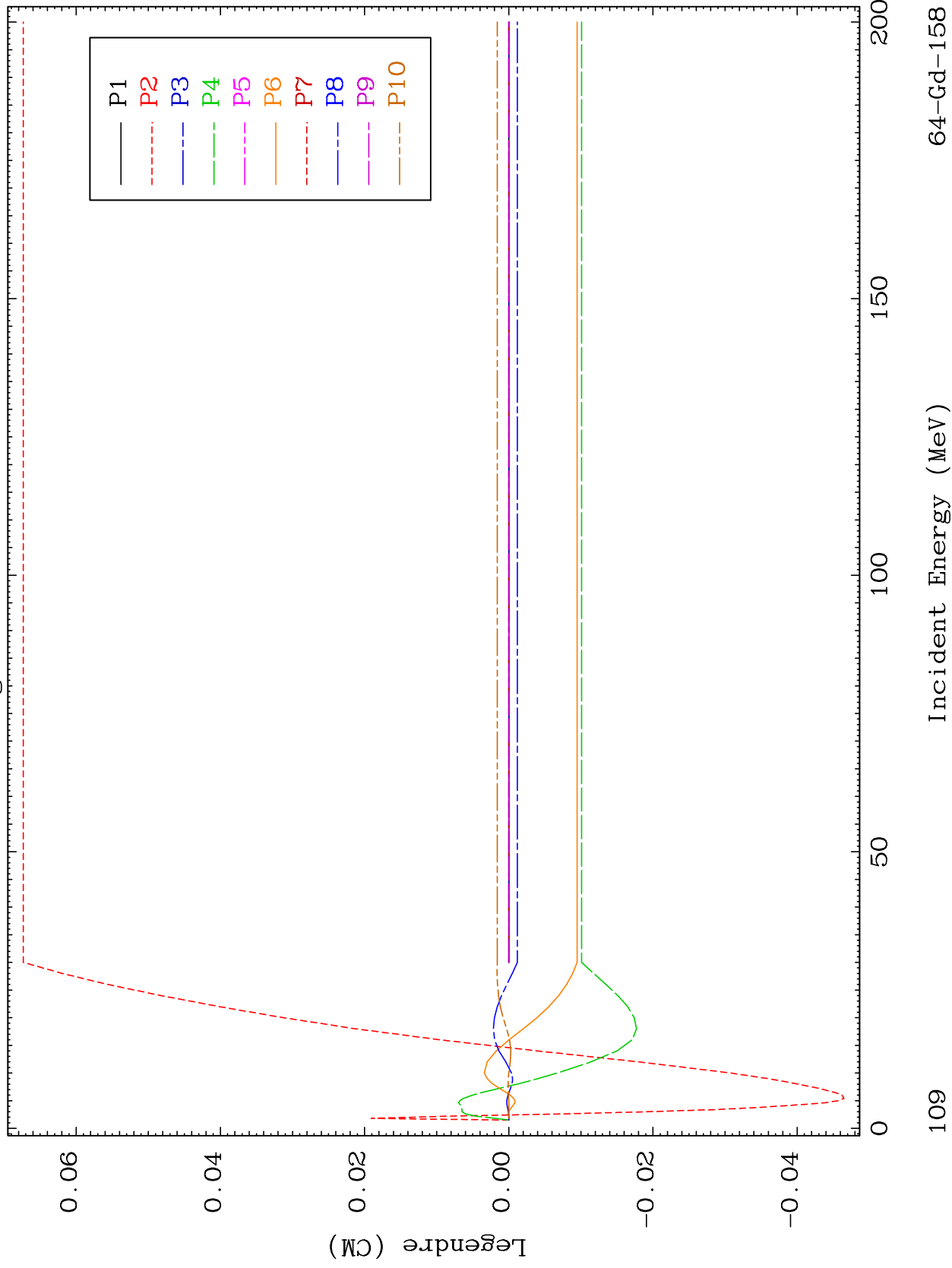




MAT 6443

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

64-Gd-158



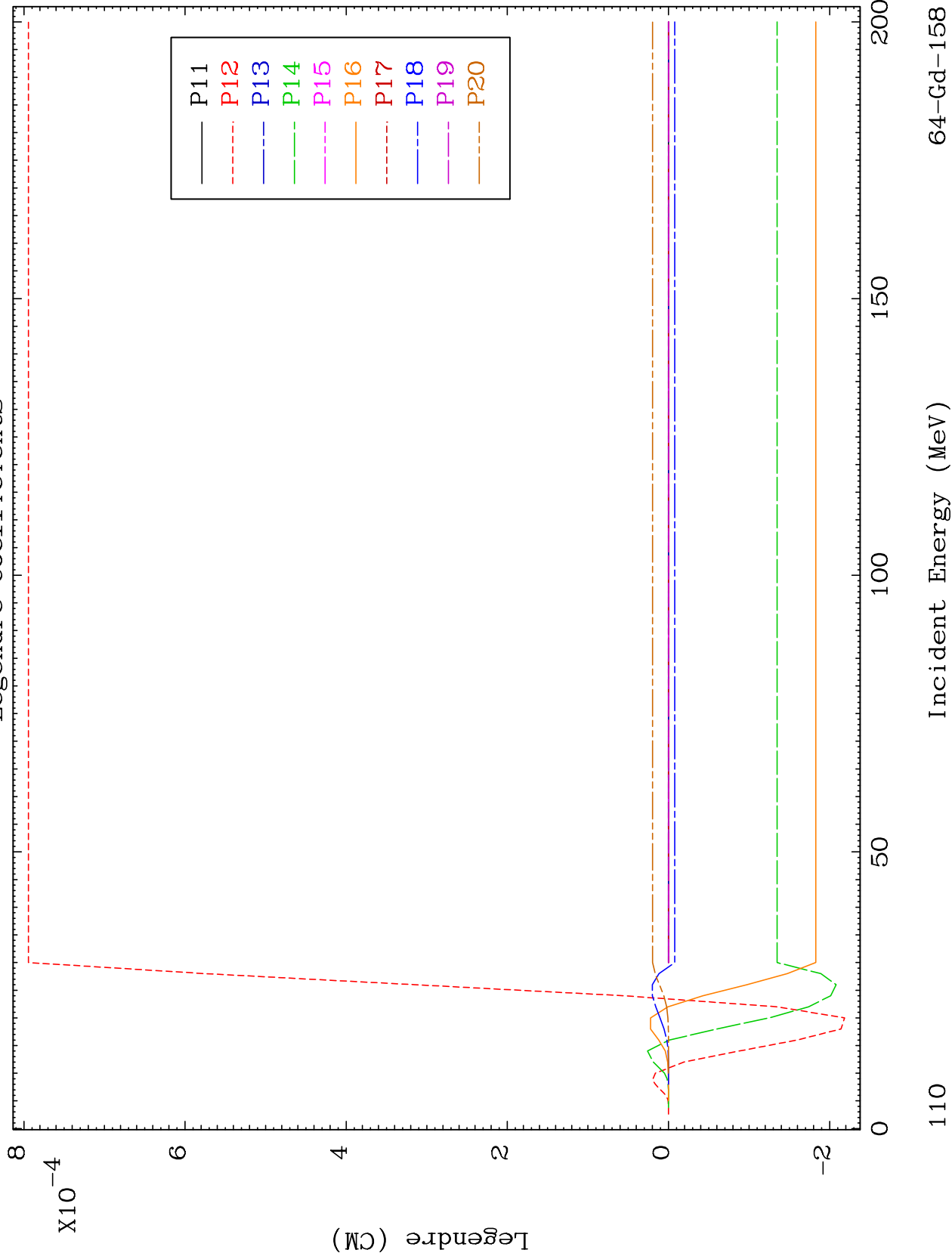
109

MAT 6443

MT= 75 (n,n') Level

64-Gd-158

Legendre Coefficients



64-Gd-158

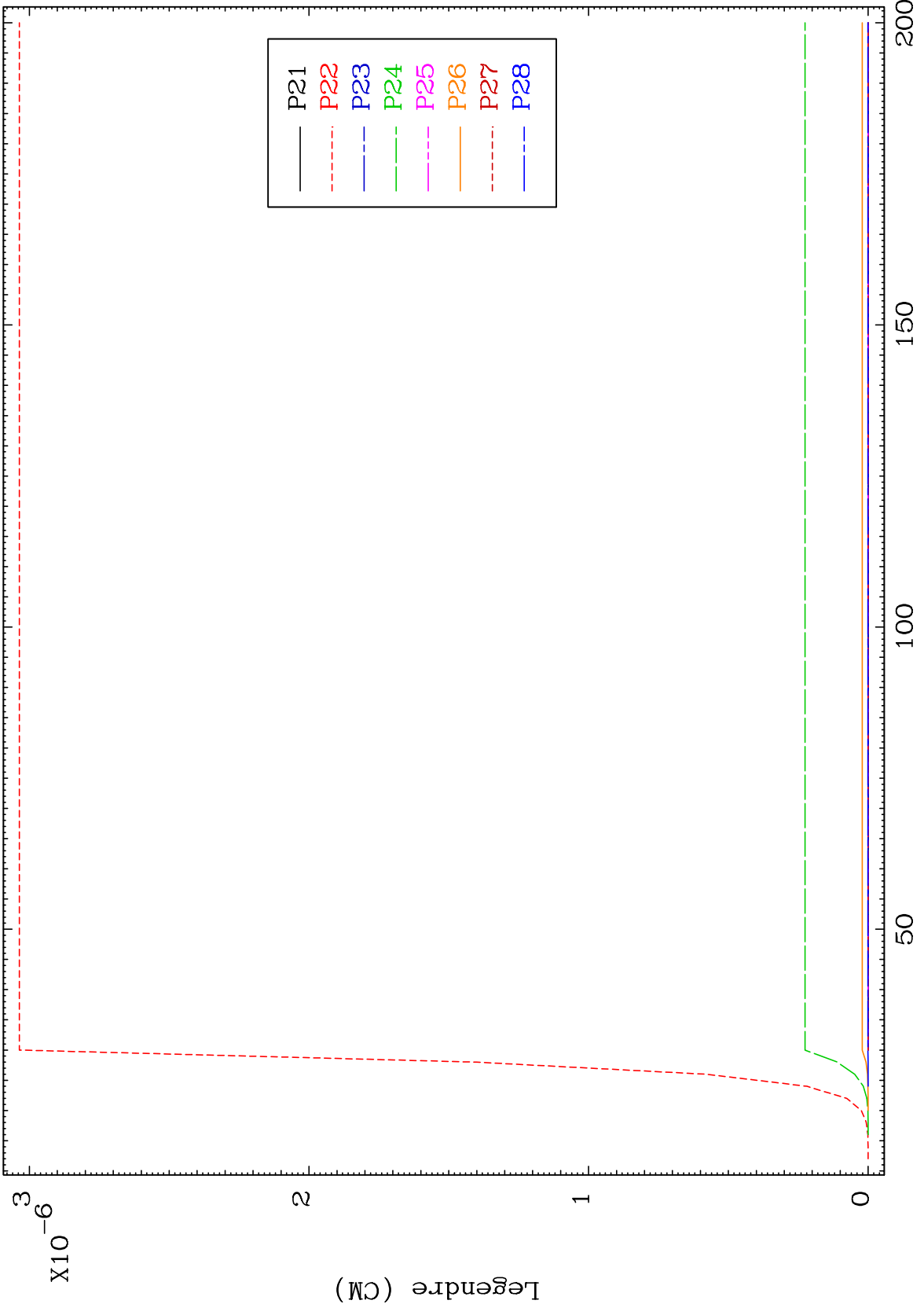
Incident Energy (MeV)

110

MAT 6443

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

64-Gd-158



64-Gd-158

Incident Energy (MeV)

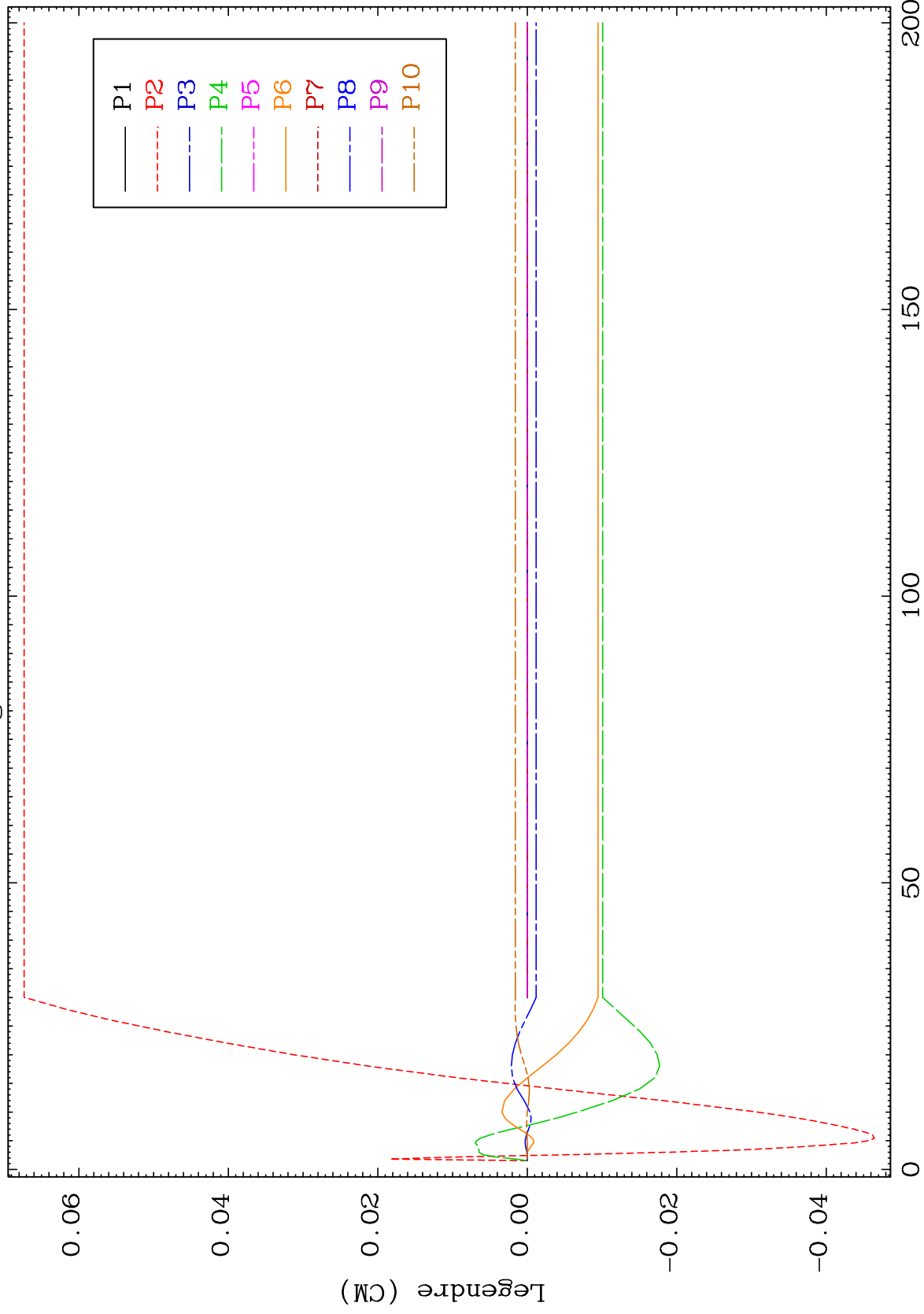
111



MAT 6443

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

64-Gd-158



64-Gd-158

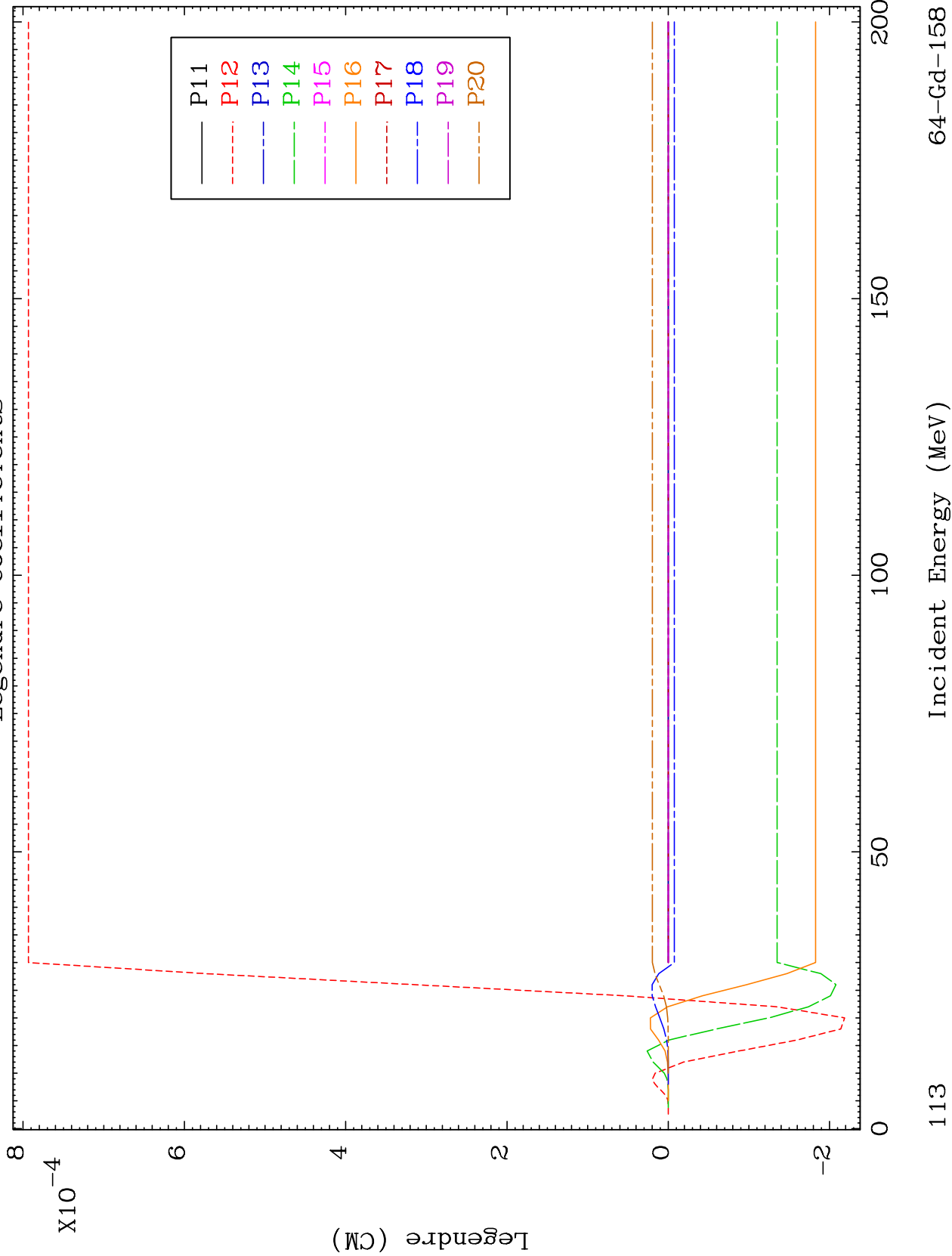
Incident Energy (MeV)

112

MAT 6443

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

64-Gd-158



113

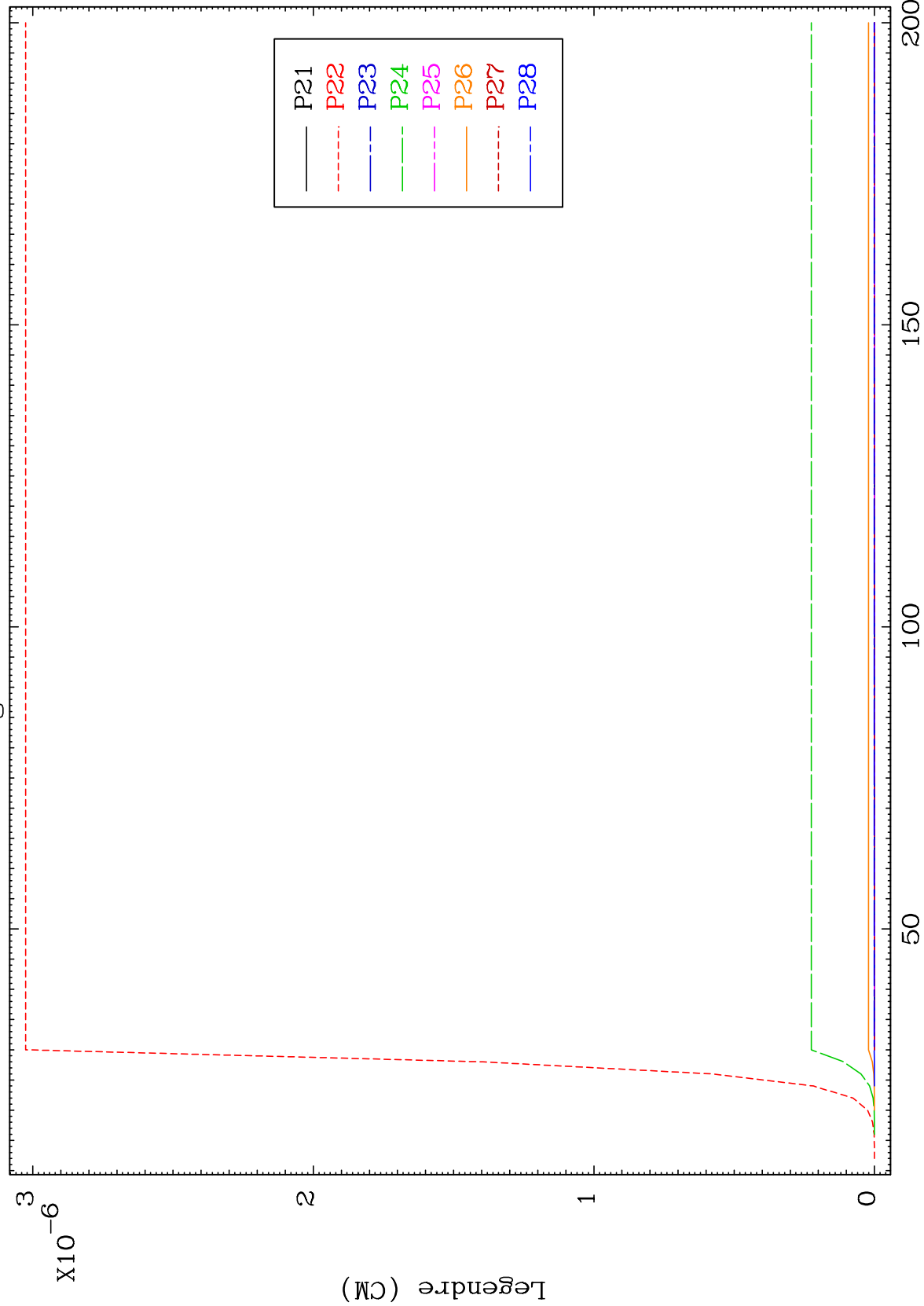
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



64-Gd-158

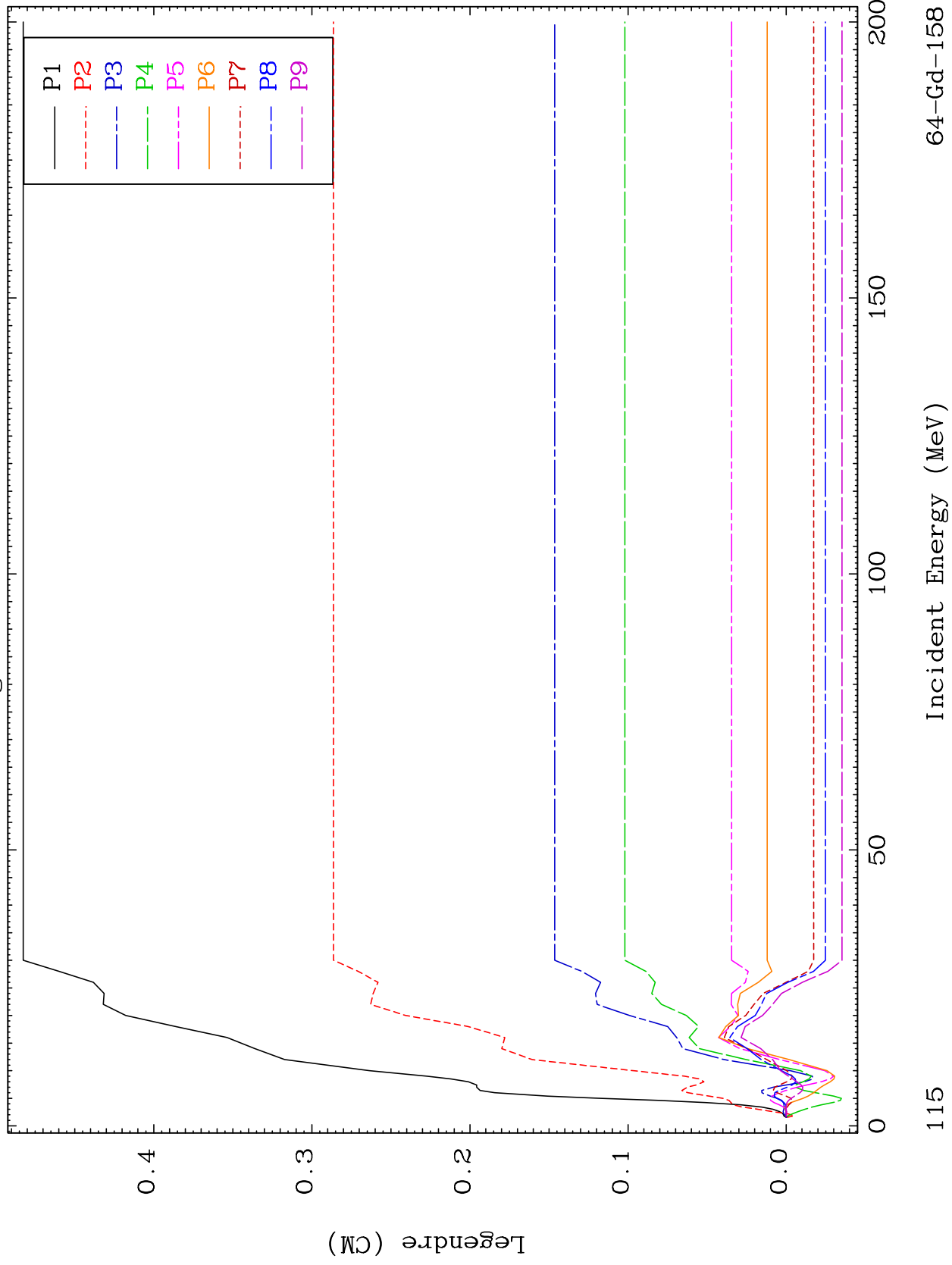
Incident Energy (MeV)

114

MAT 6443

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

64-Gd-158



64-Gd-158

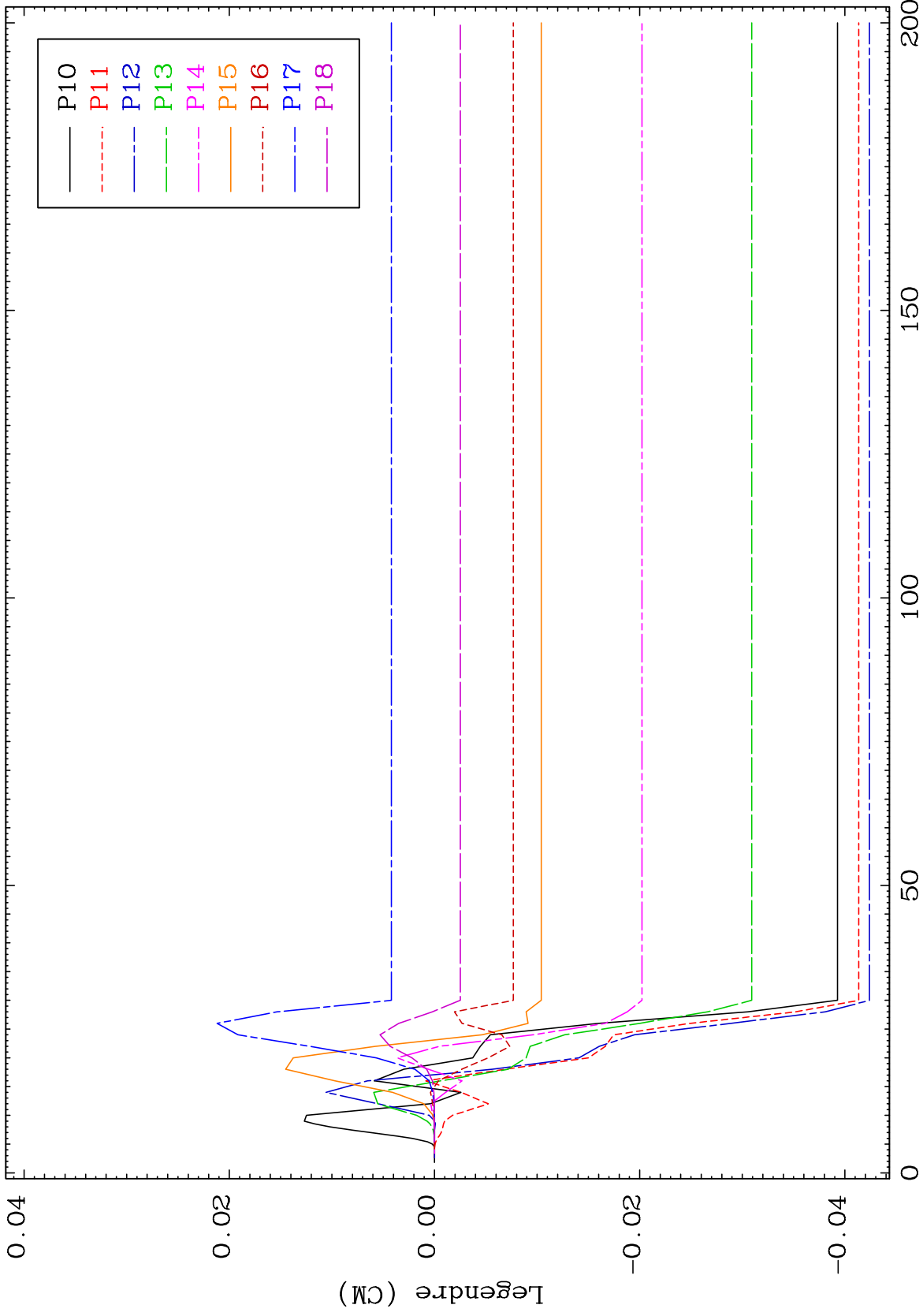
Incident Energy (MeV)

115

MAT 6443

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

64-Gd-158



116

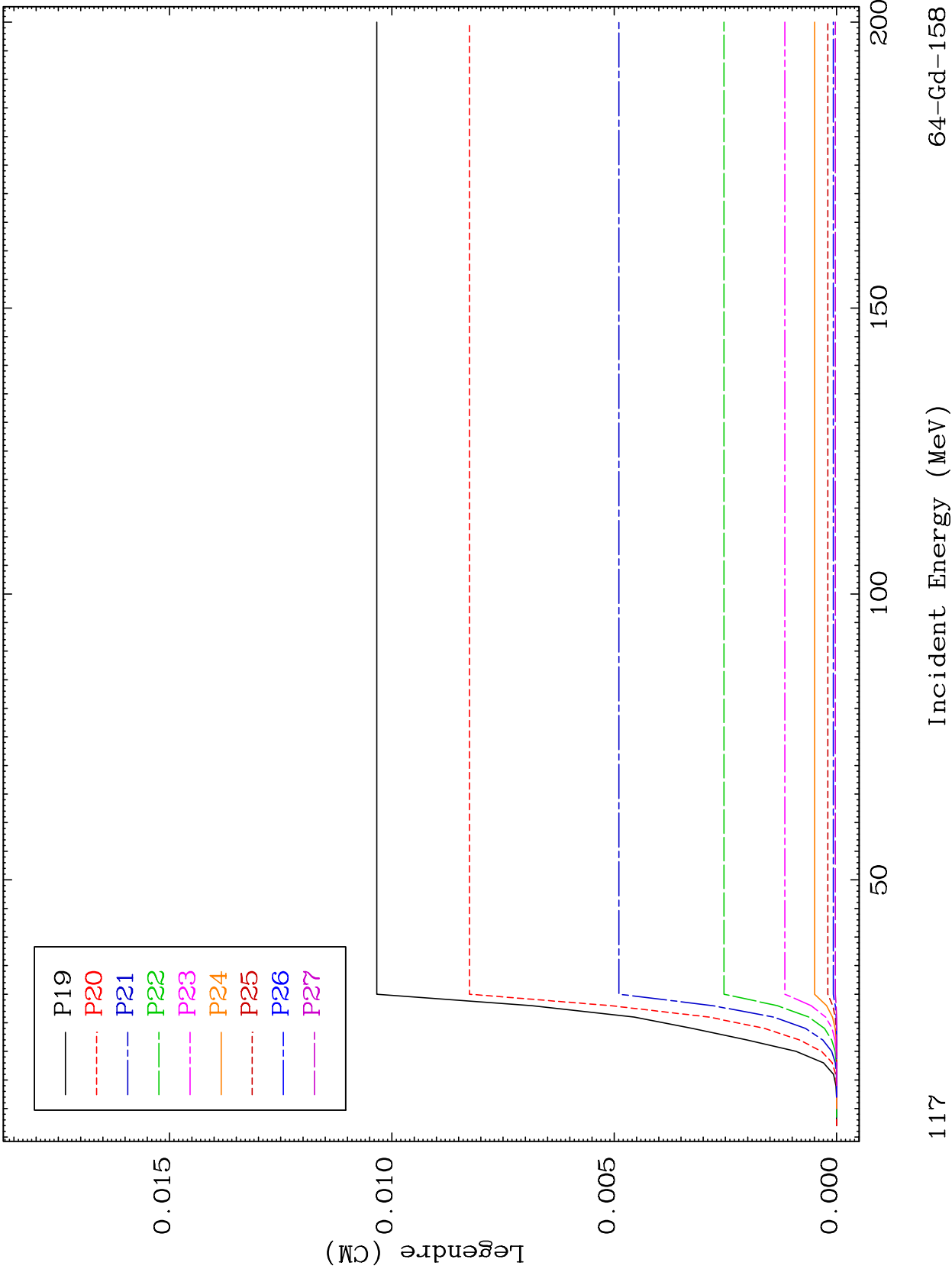
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



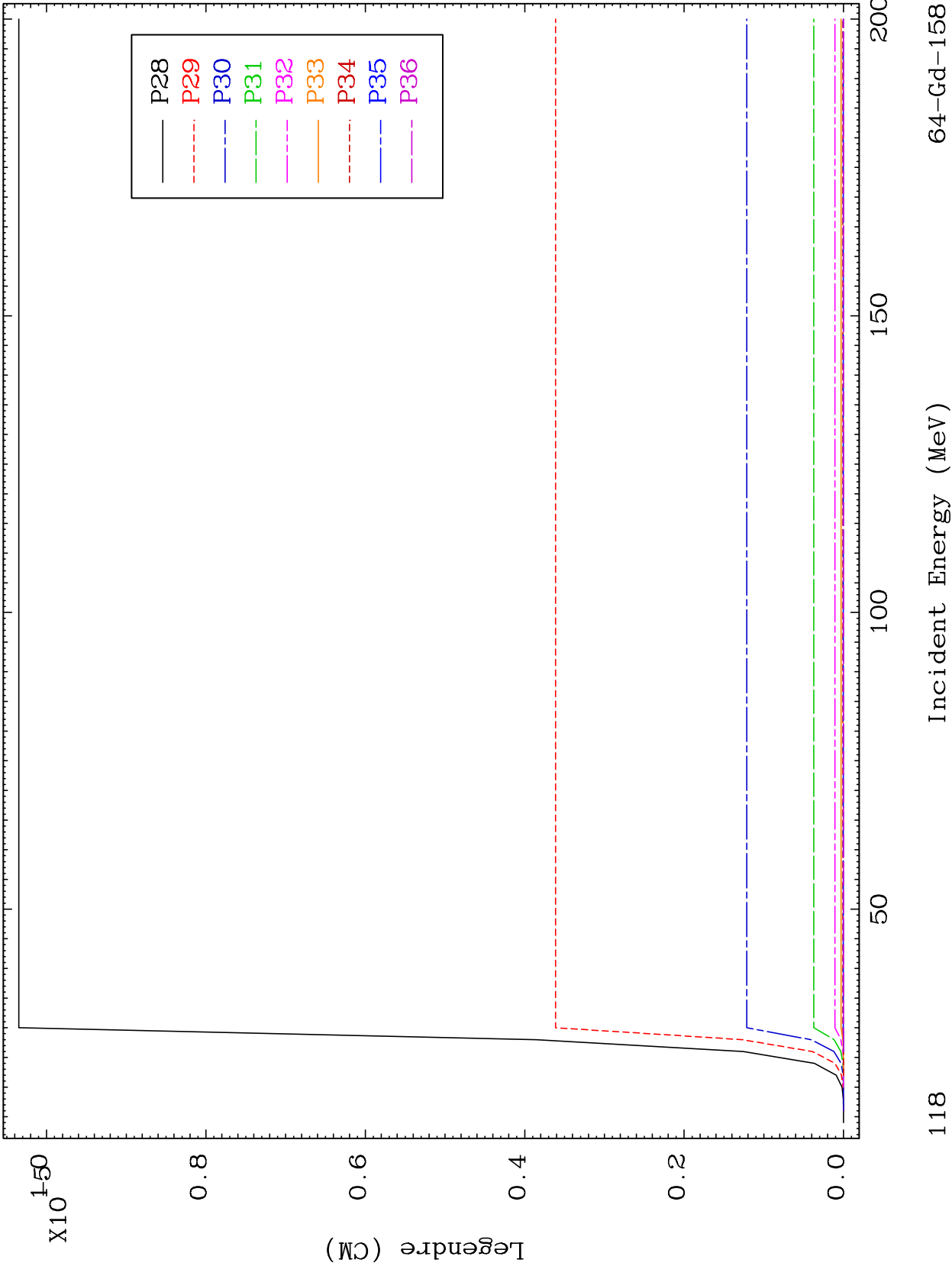
117

64-Gd-158

MAT 6443

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

64-Gd-158



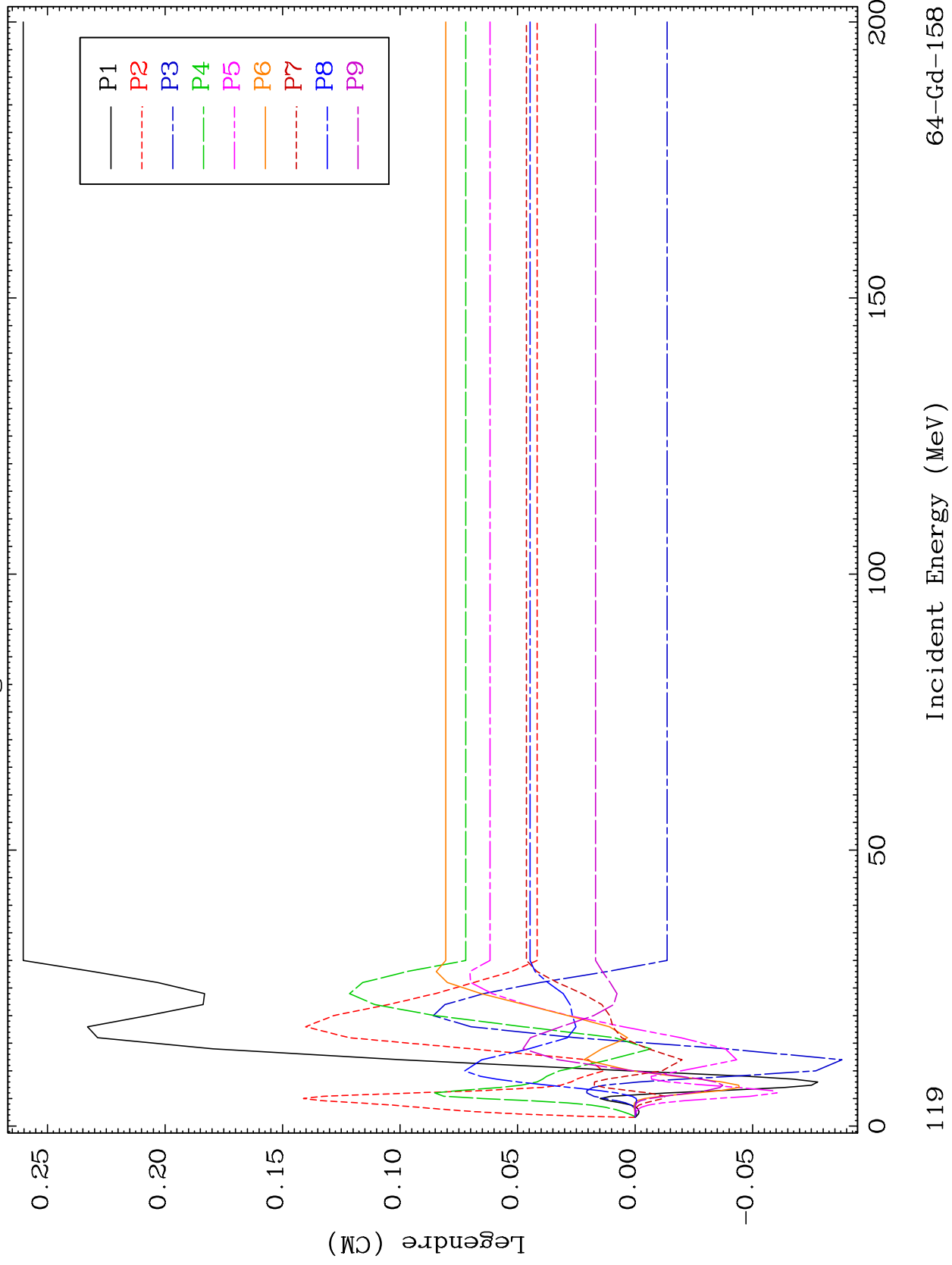
118

64-Gd-158

MAT 6443

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

64-Gd-158



64-Gd-158

Incident Energy (MeV)

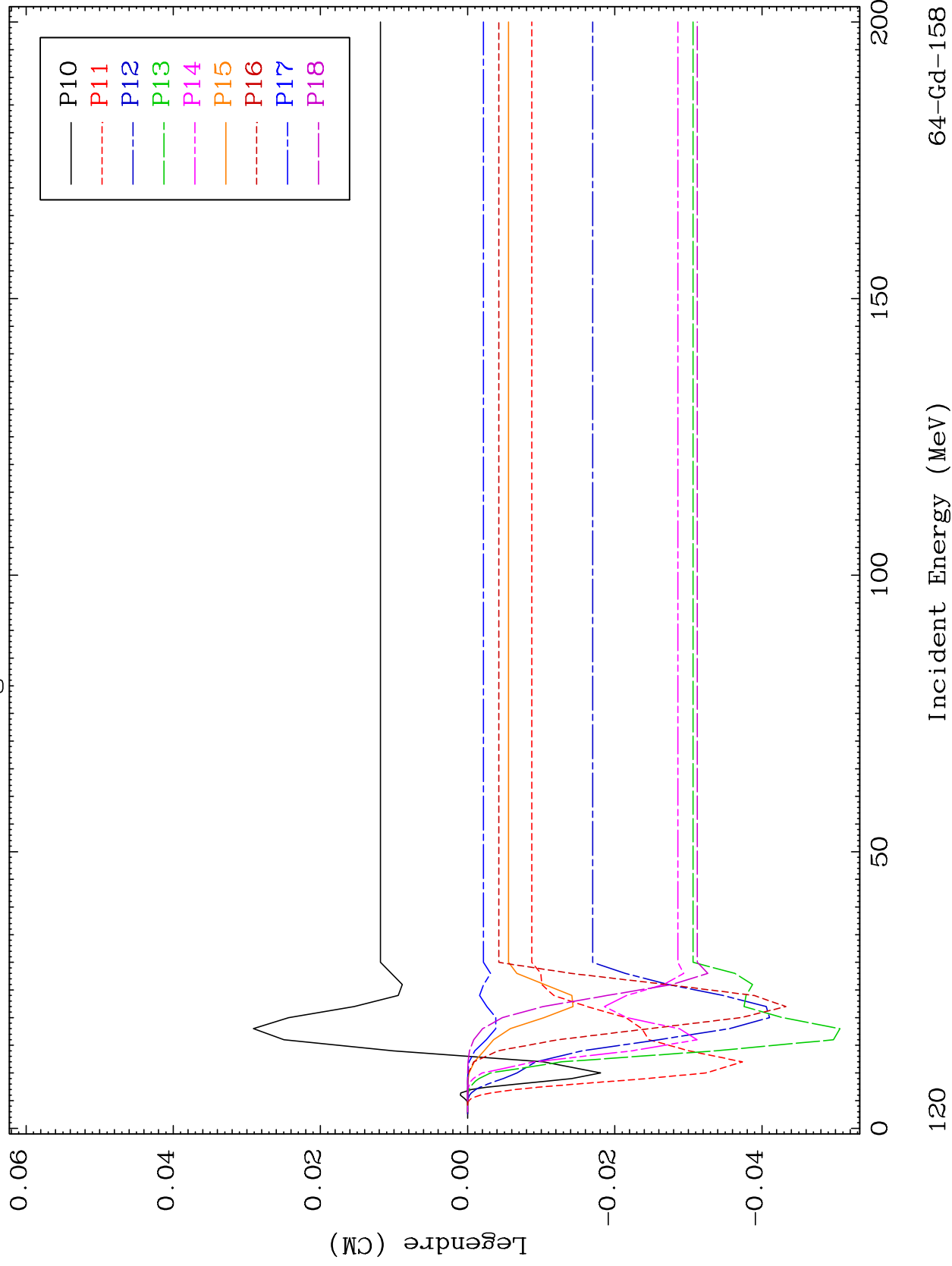
119



MAT 6443

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

64-Gd-158



64-Gd-158

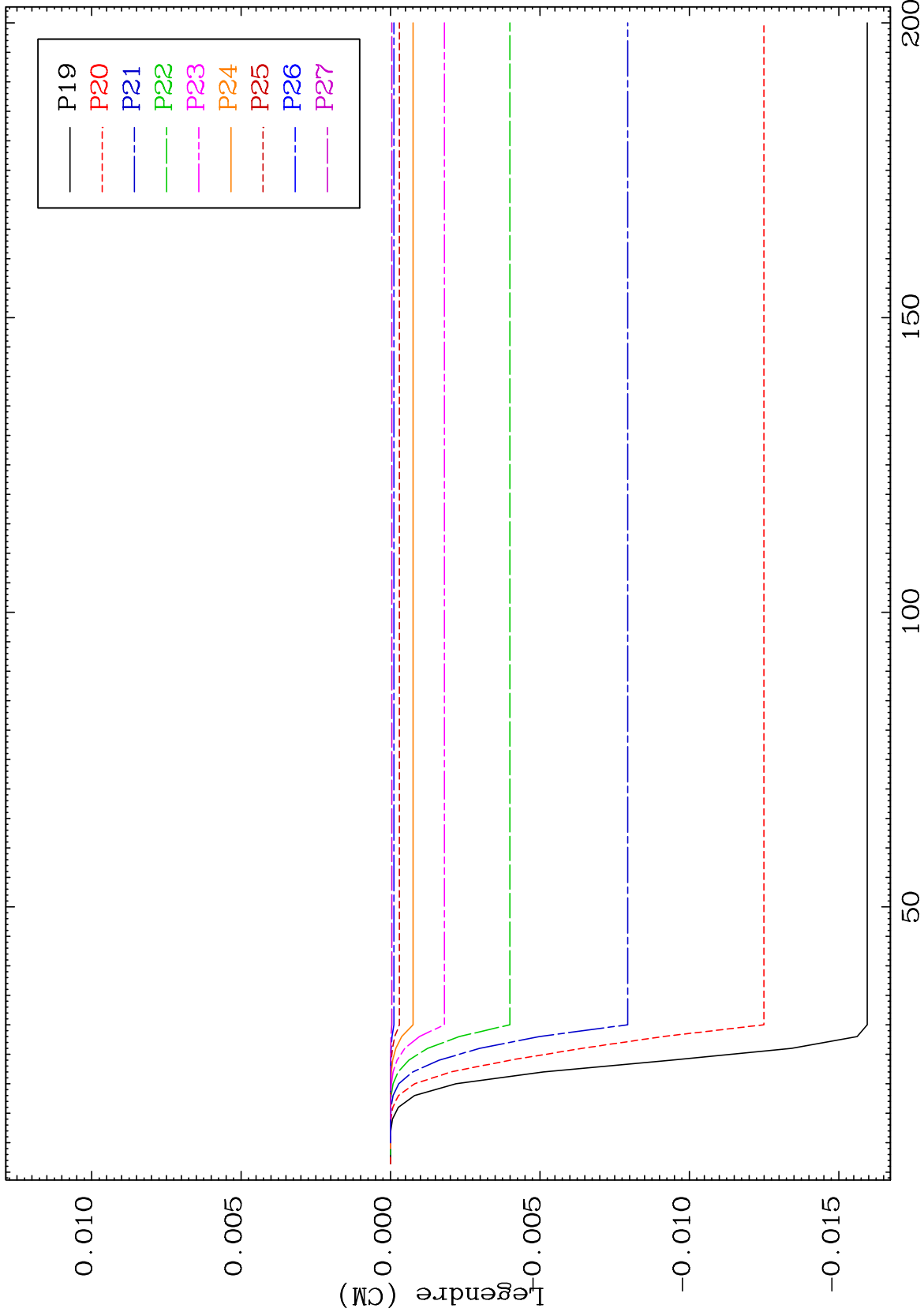
Incident Energy (MeV)

120

MAT 6443

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

64-Gd-158



121

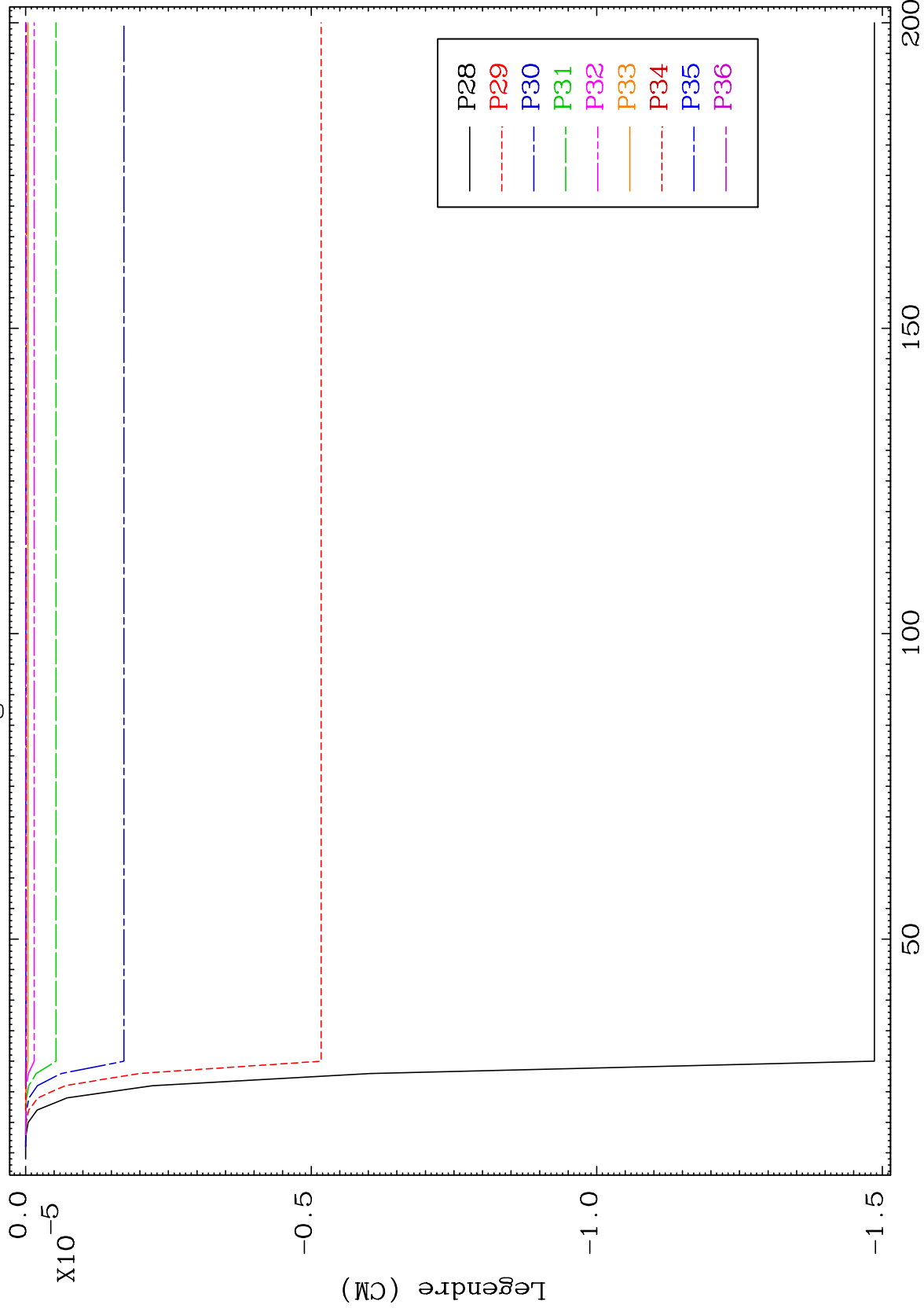
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



122

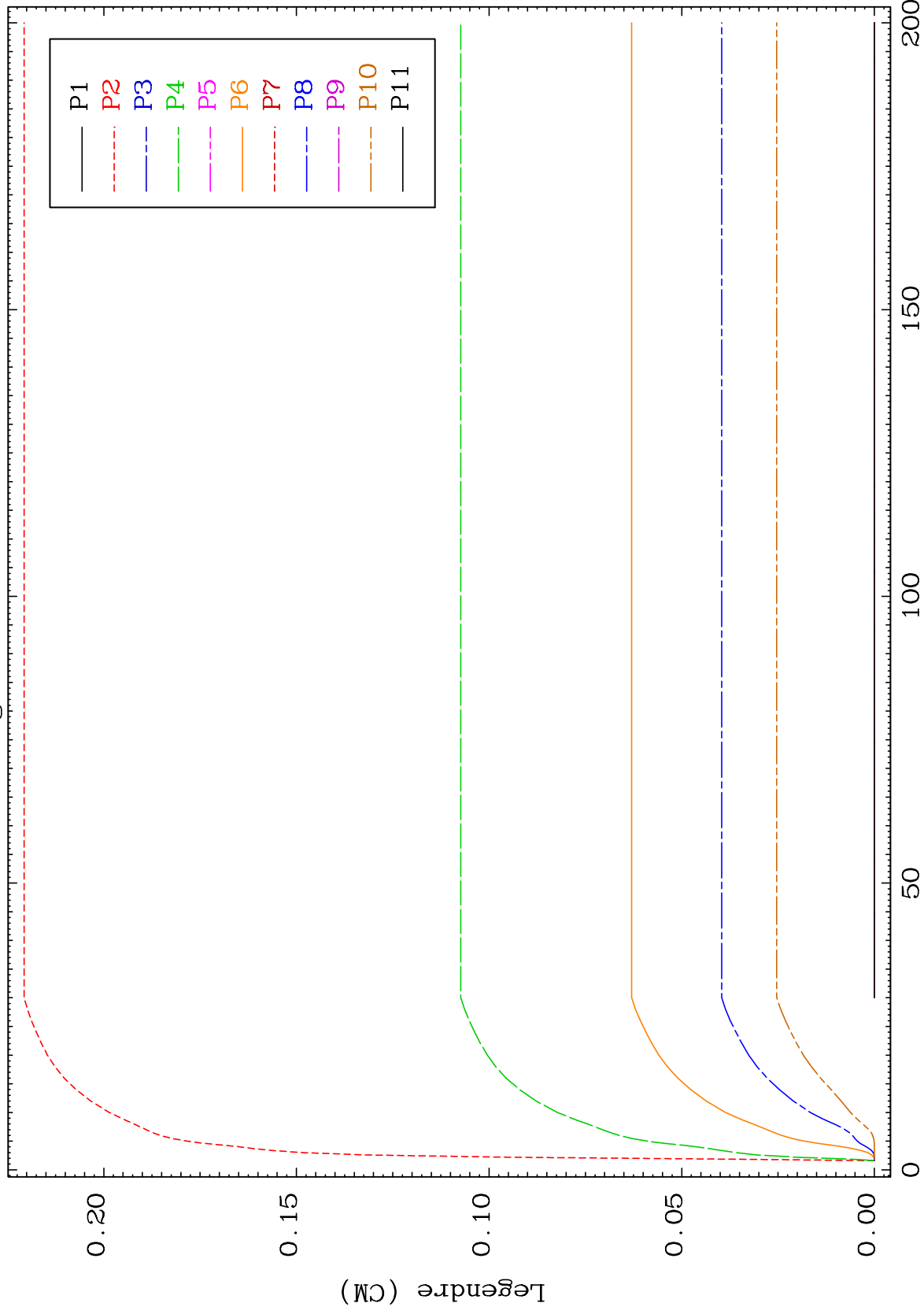
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



123

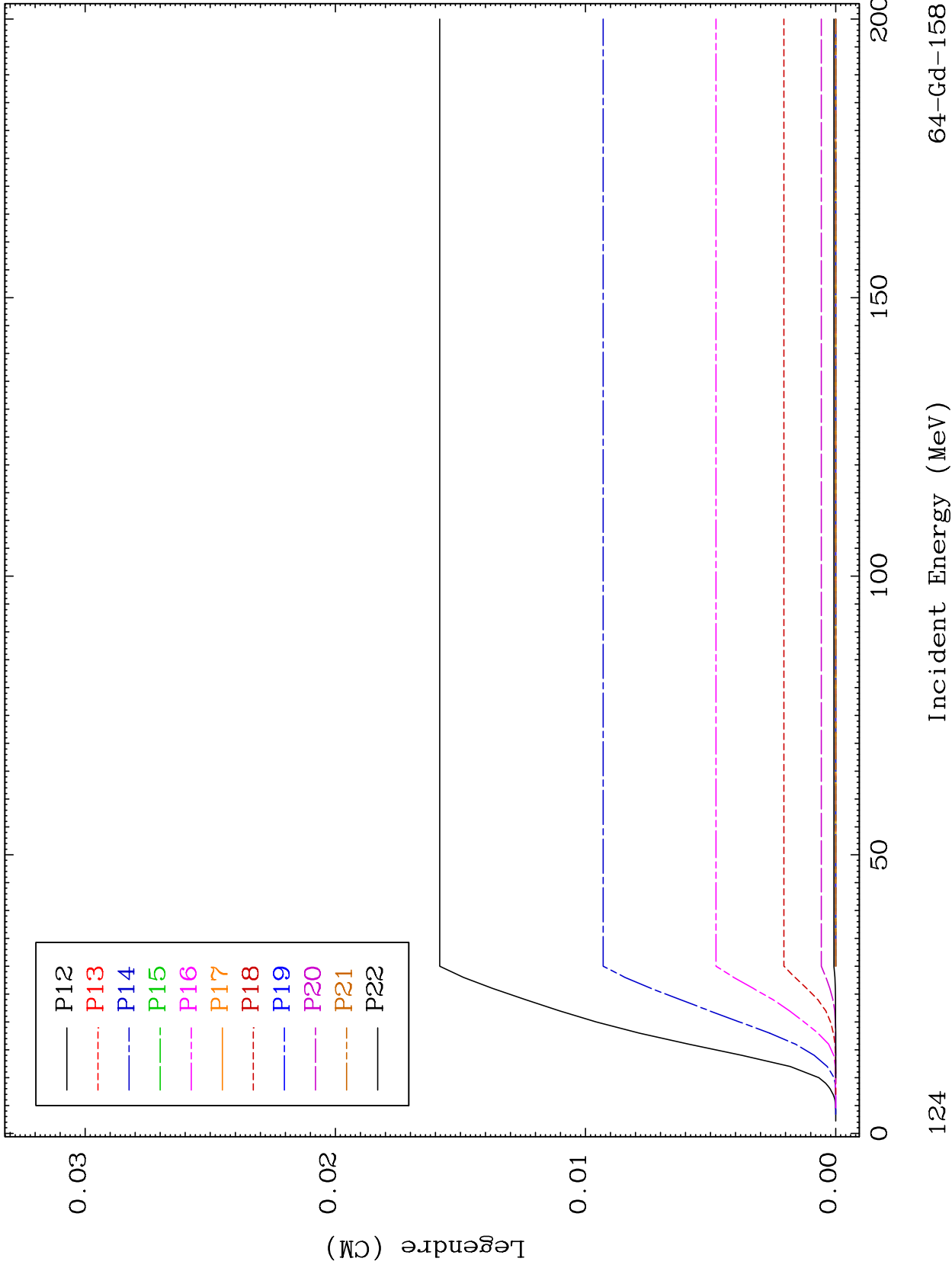
Incident Energy (MeV)

64-Gd-158

MAT 6443

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

64-Gd-158



124

Incident Energy (MeV)

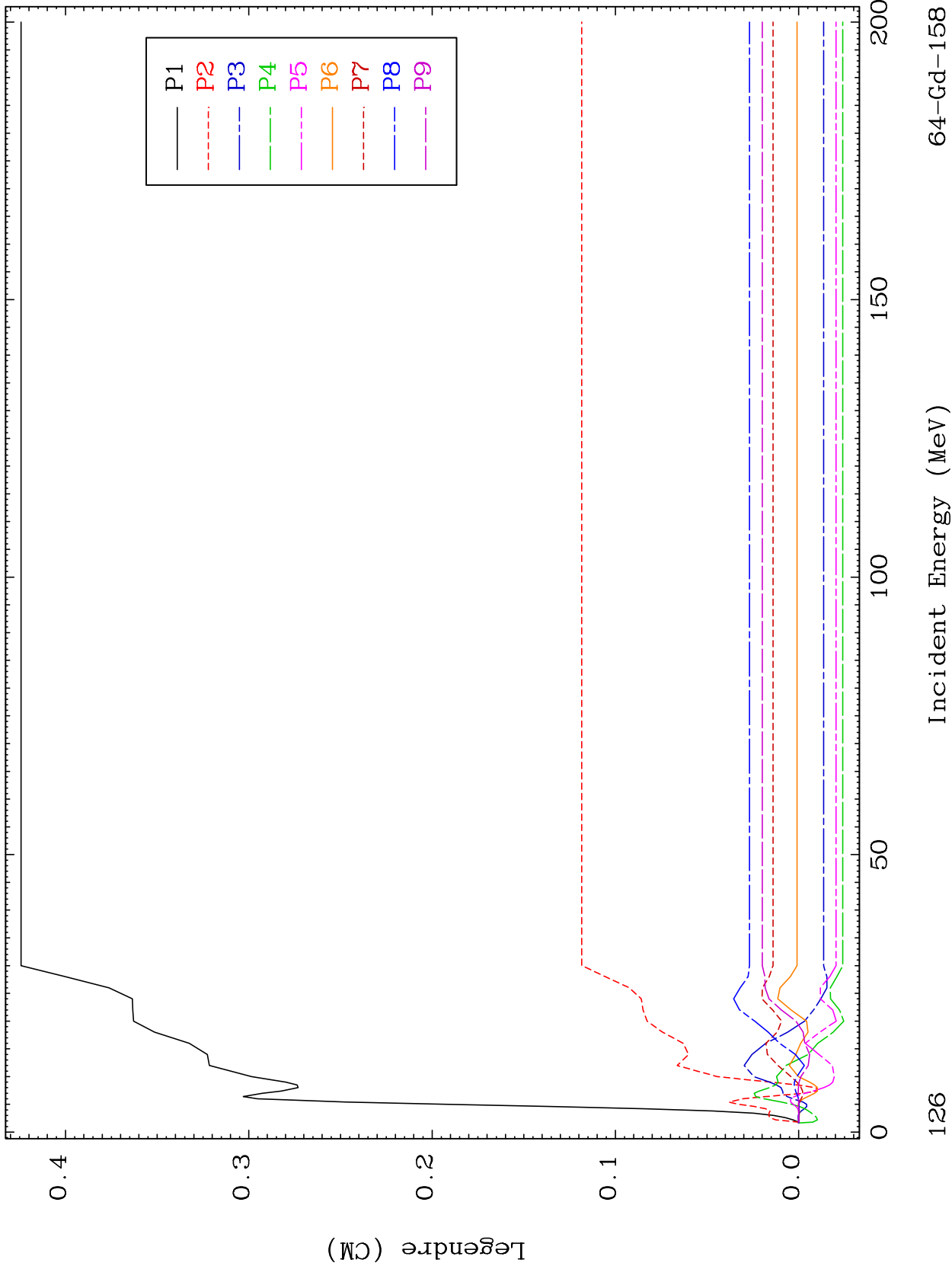
64-Gd-158



MAT 6443

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

64-Gd-158



64-Gd-158

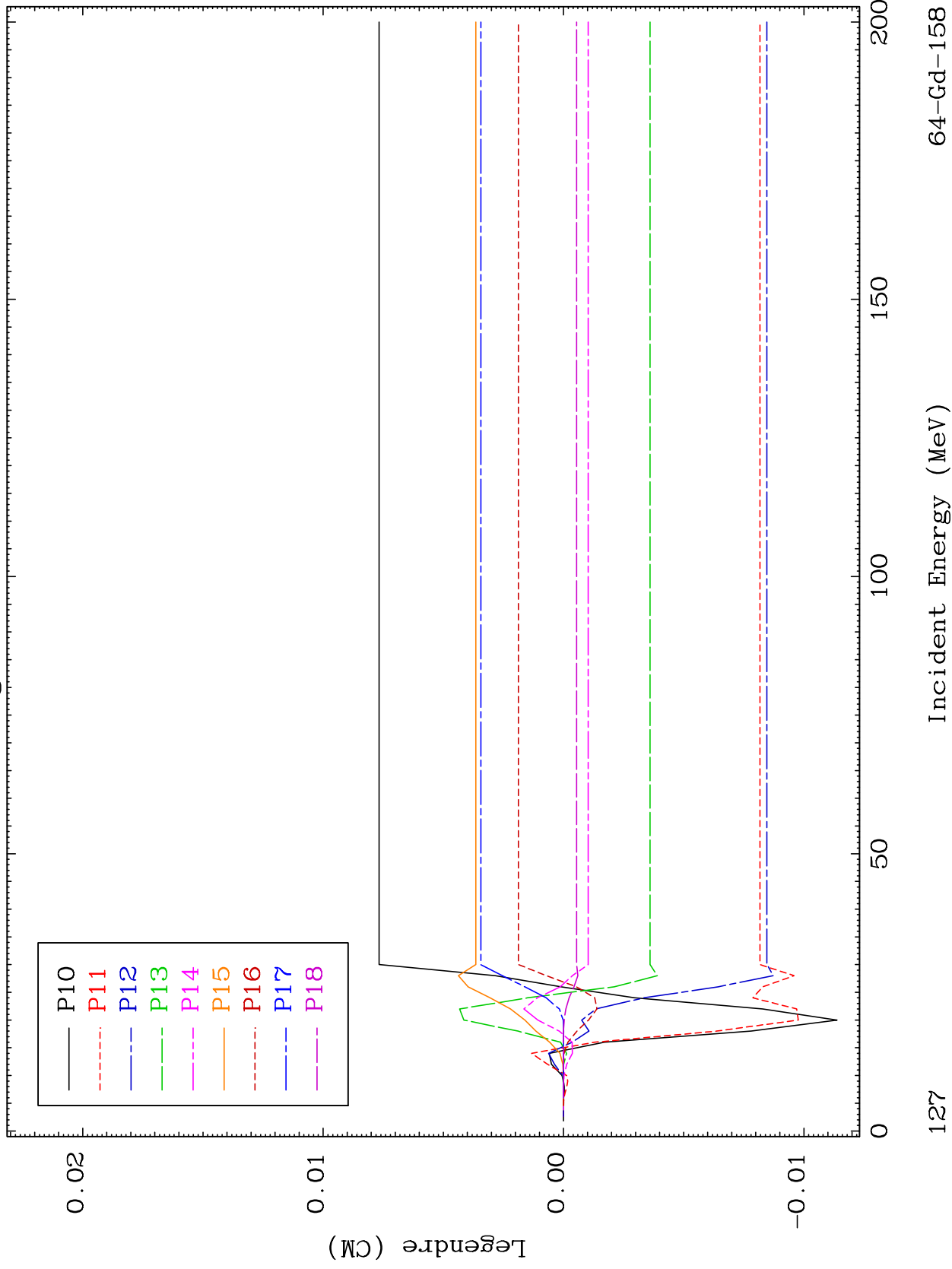
Incident Energy (MeV)

126

MAT 6443

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

64-Gd-158



127

Incident Energy (MeV)

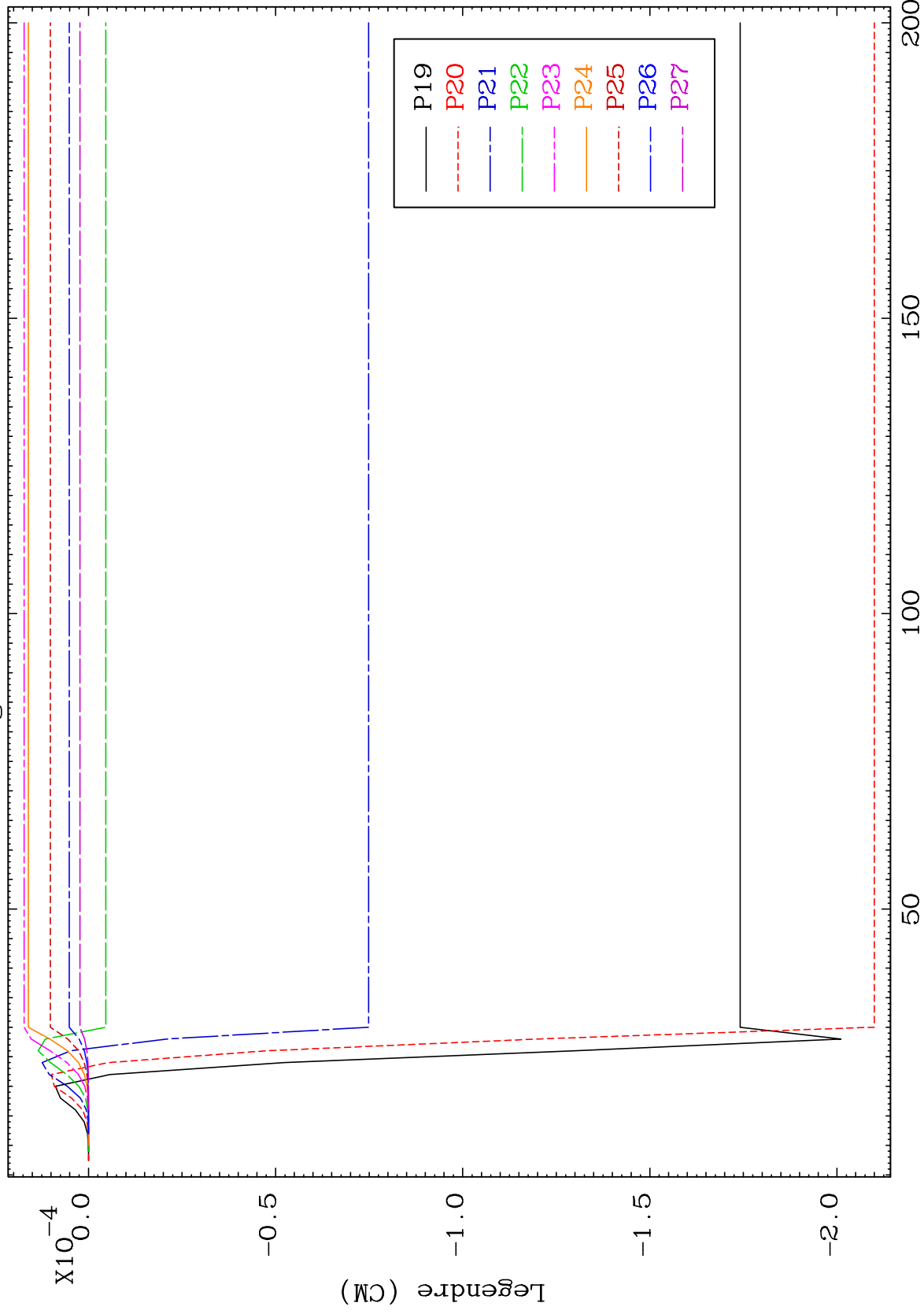
64-Gd-158



MAT 6443

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

64-Gd-158



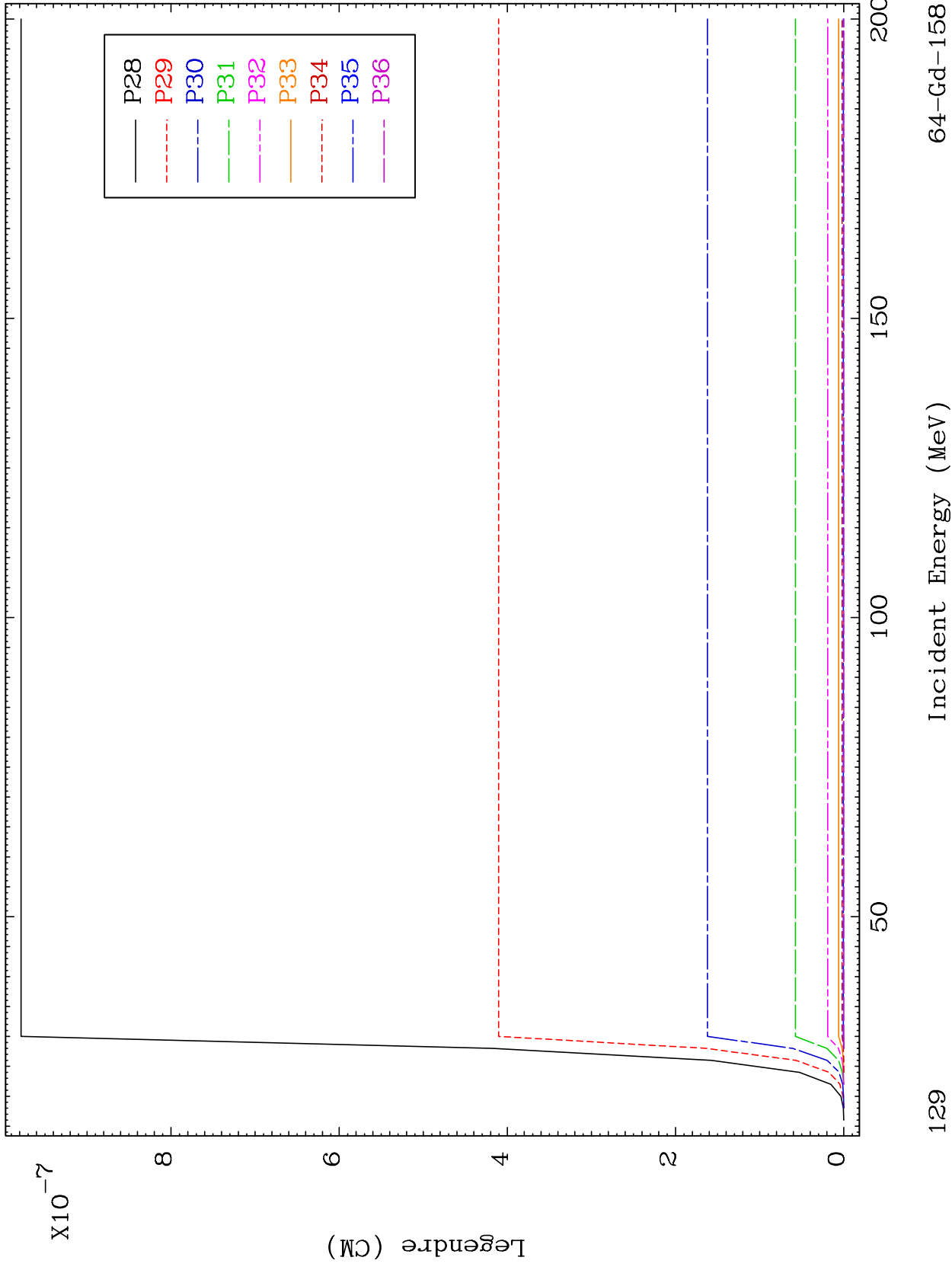
128

64-Gd-158

MAT 6443

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

64-Gd-158



129

Incident Energy (MeV)

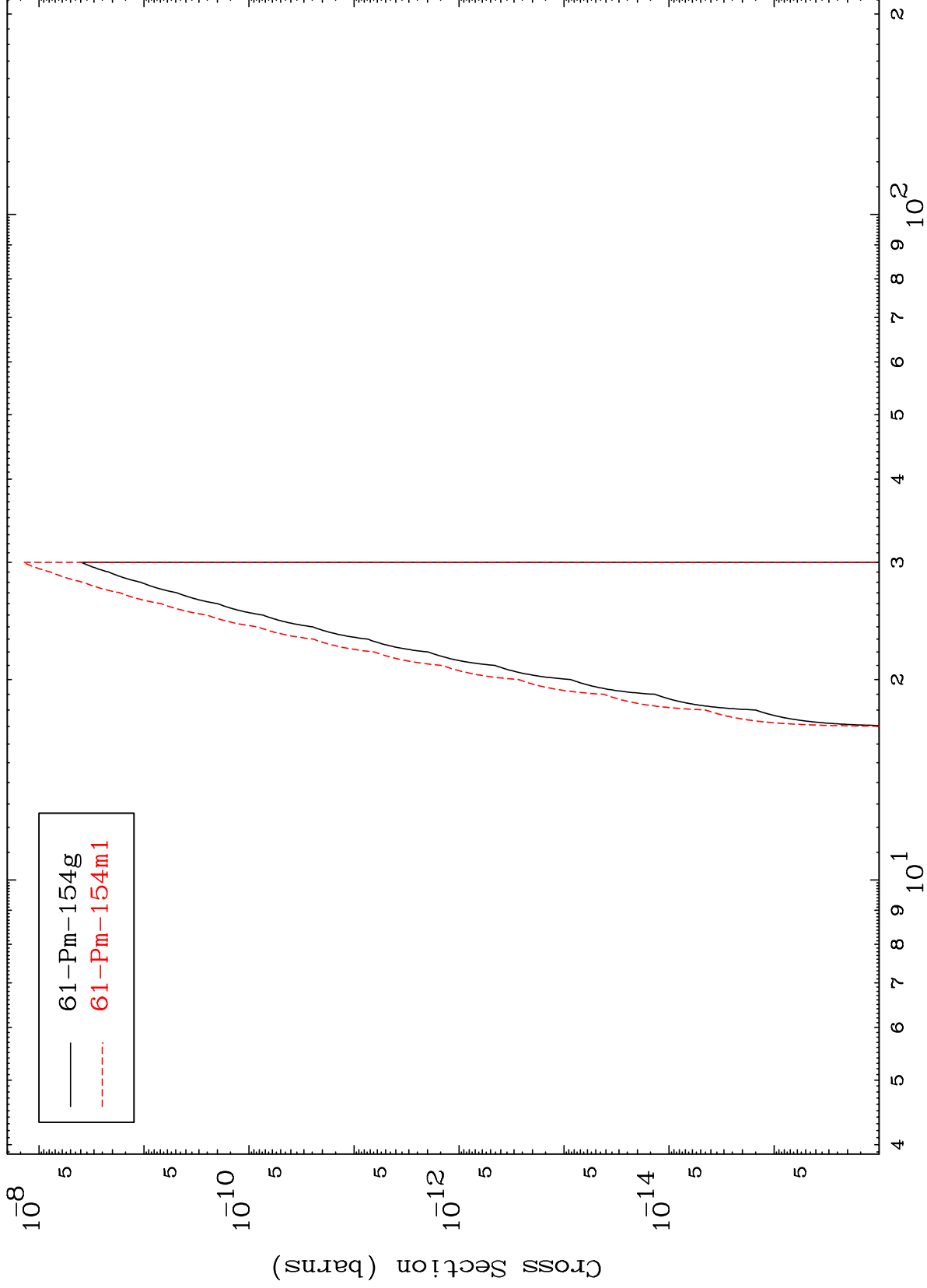
64-Gd-158

MAT 6443

(n,p)  $\alpha$

64-Gd-158

Radionuclide Production Cross Section



130

Incident Energy (MeV)

64-Gd-158