

Program EVALPLOT  
(Version 2017-1)

by

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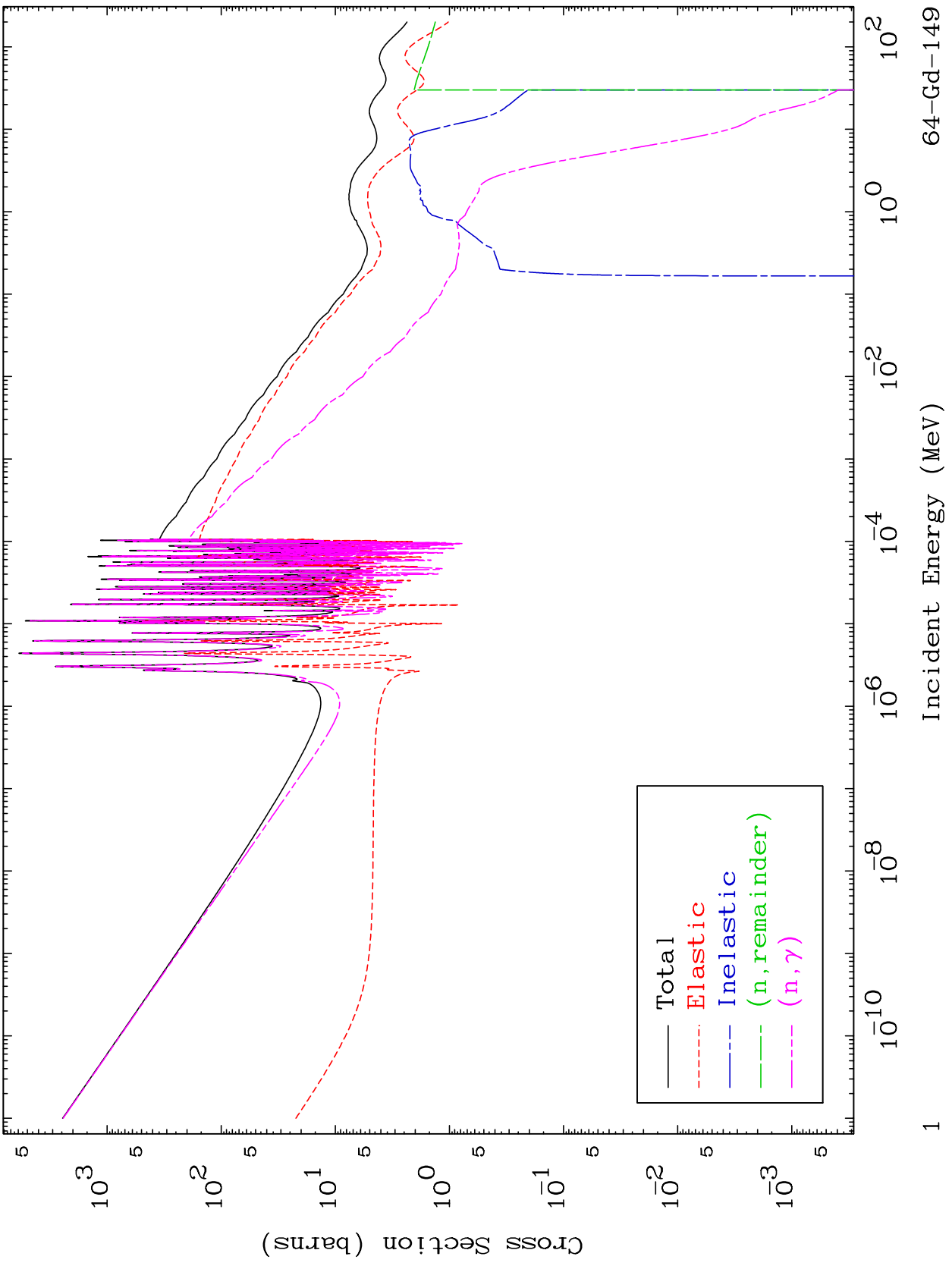
Press Mouse Button to Start

MAT 6416

Major

293 Kelvin Cross Sections

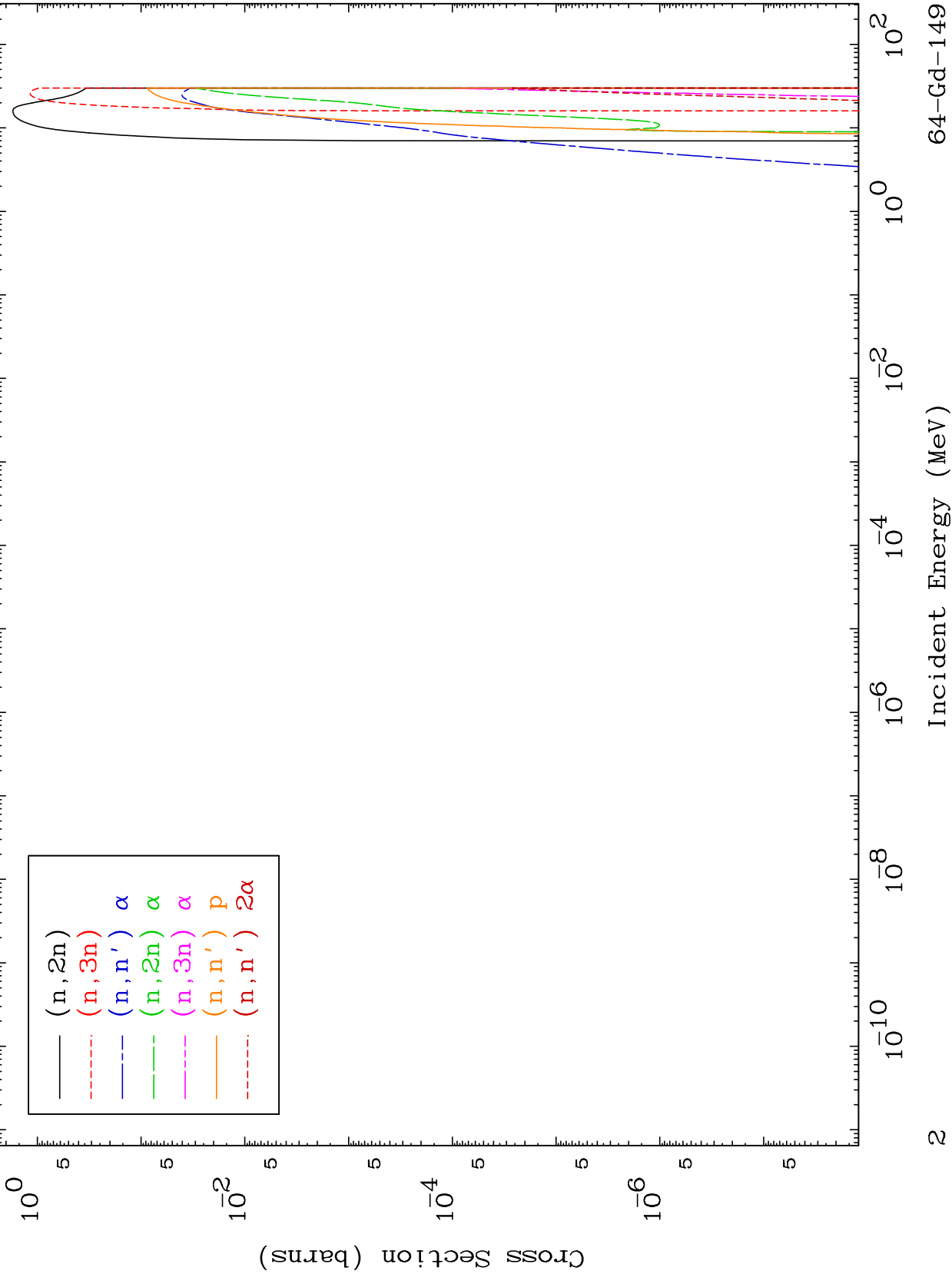
64-Gd-149

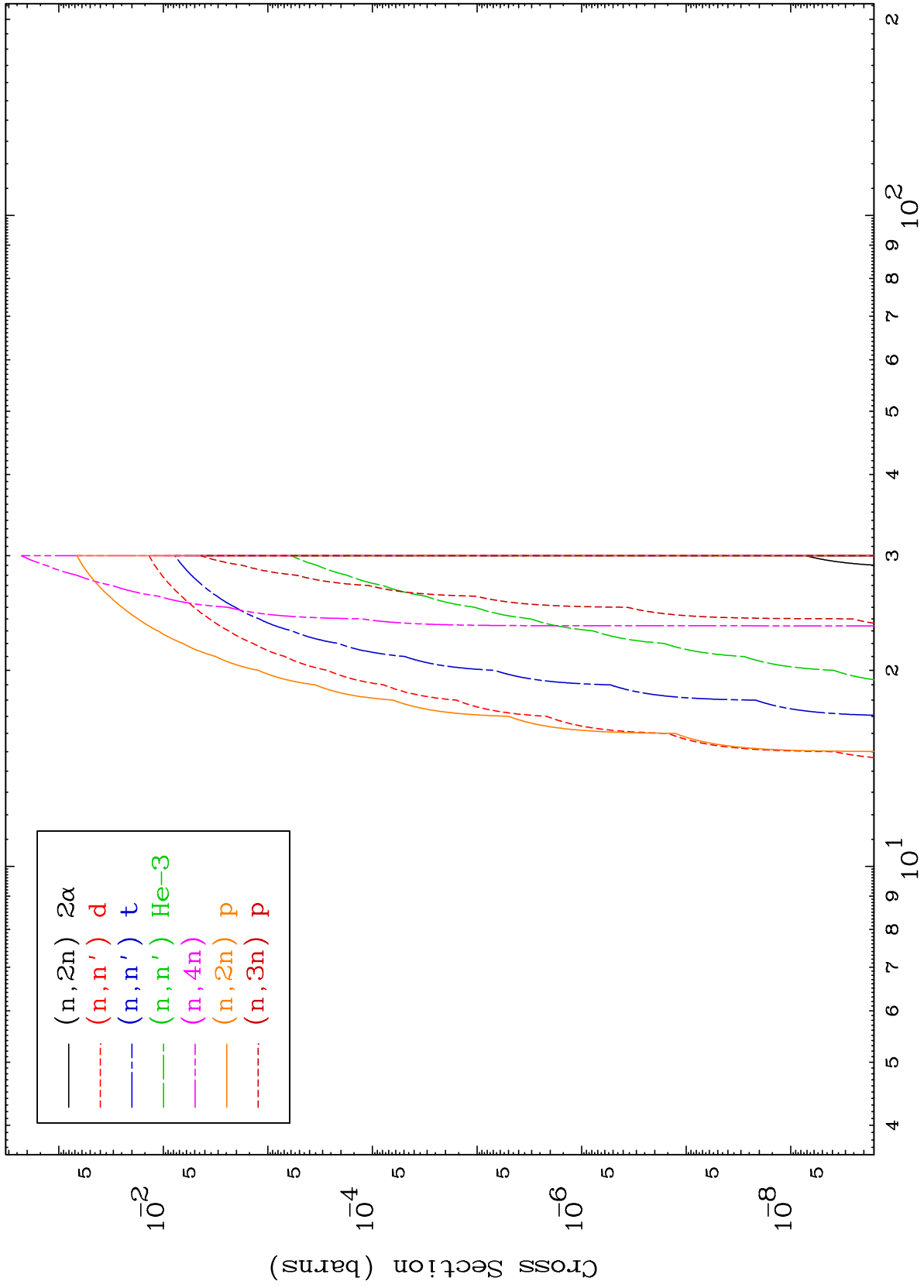


MAT 6416

Neutron Production  
293 Kelvin Cross Sections

64-Gd-149

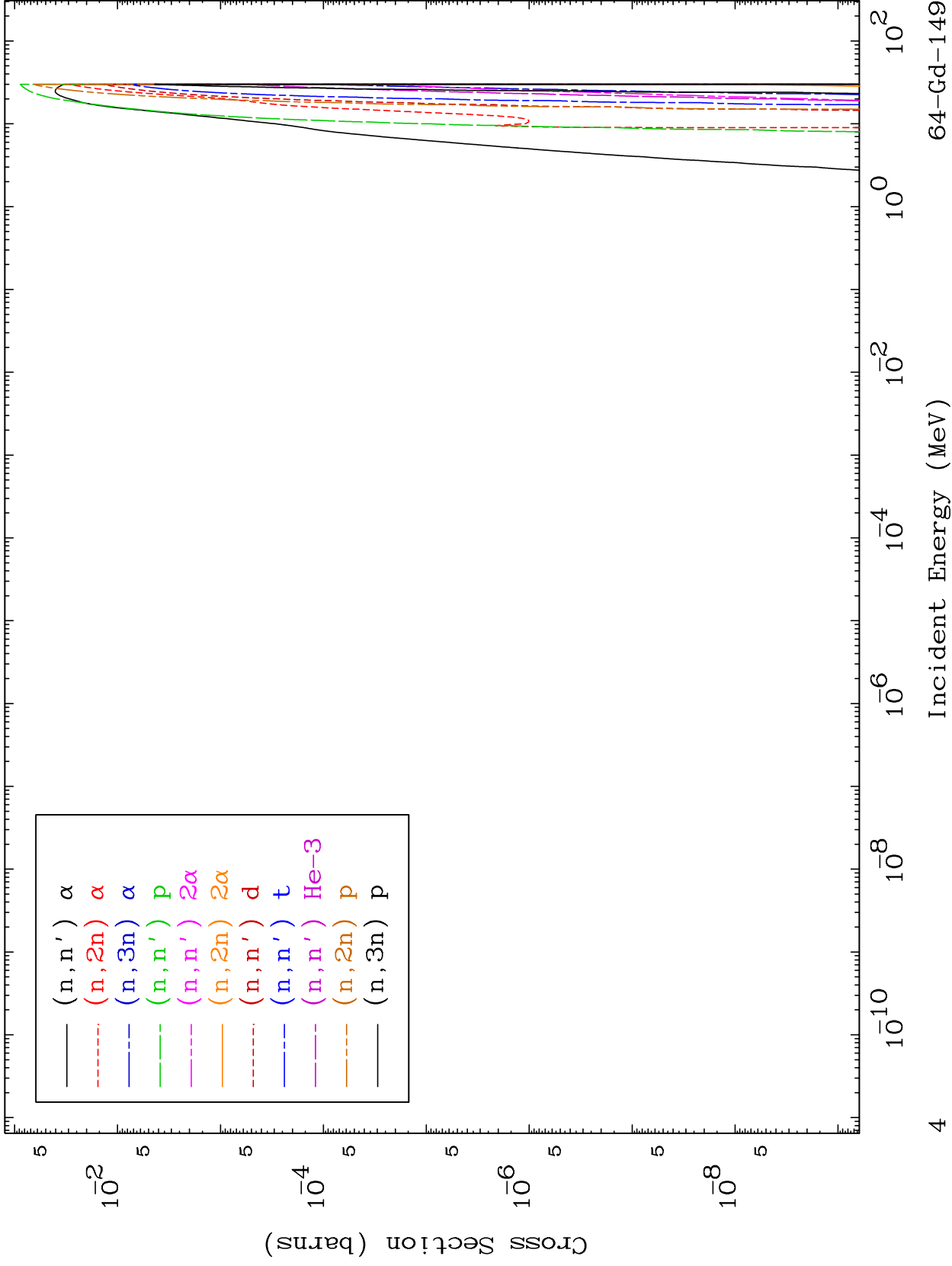




MAT 6416

Charged Particle  
293 Kelvin Cross Sections

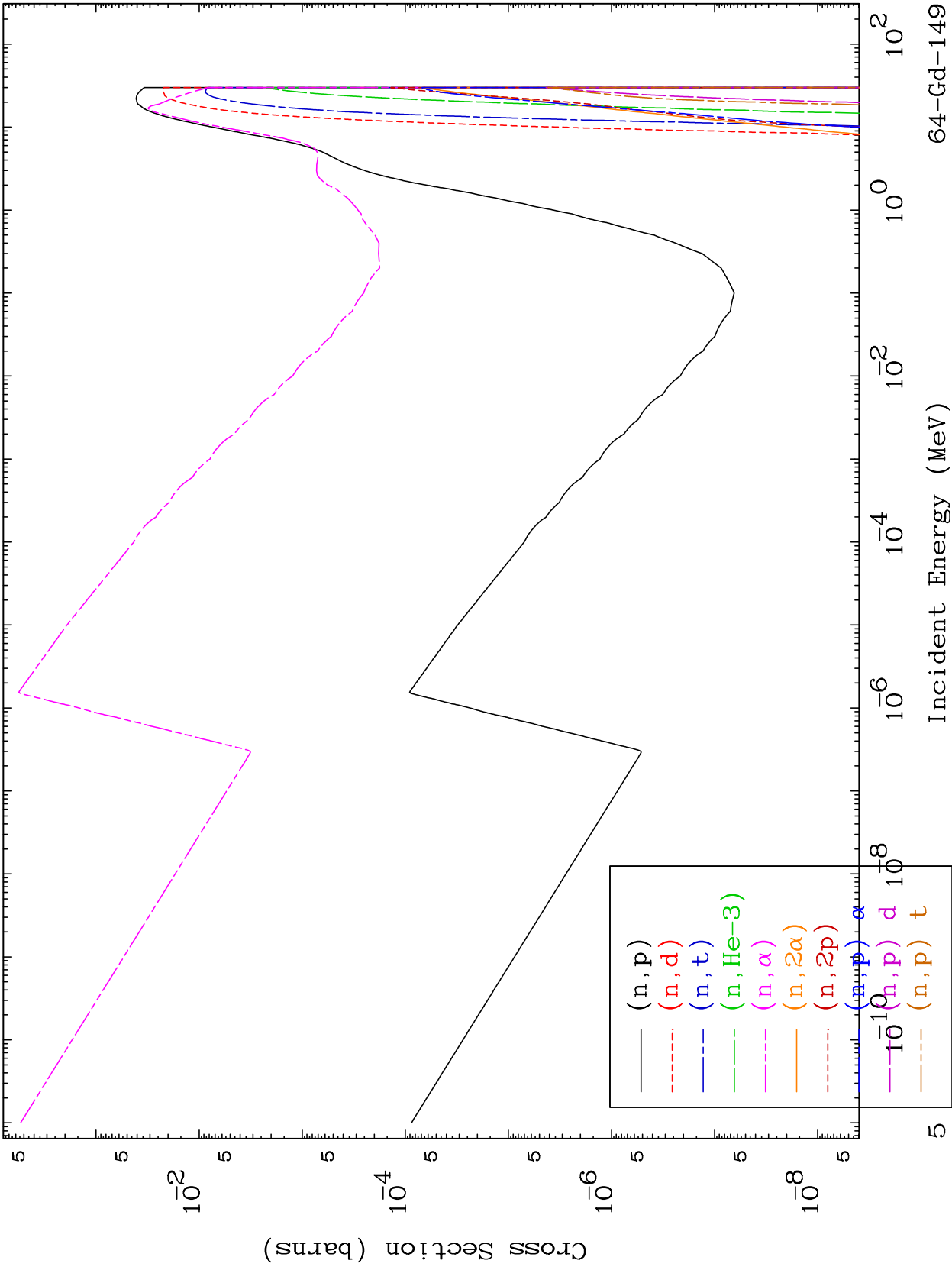
64-Gd-149



MAT 6416

Charged Particle  
293 Kelvin Cross Sections

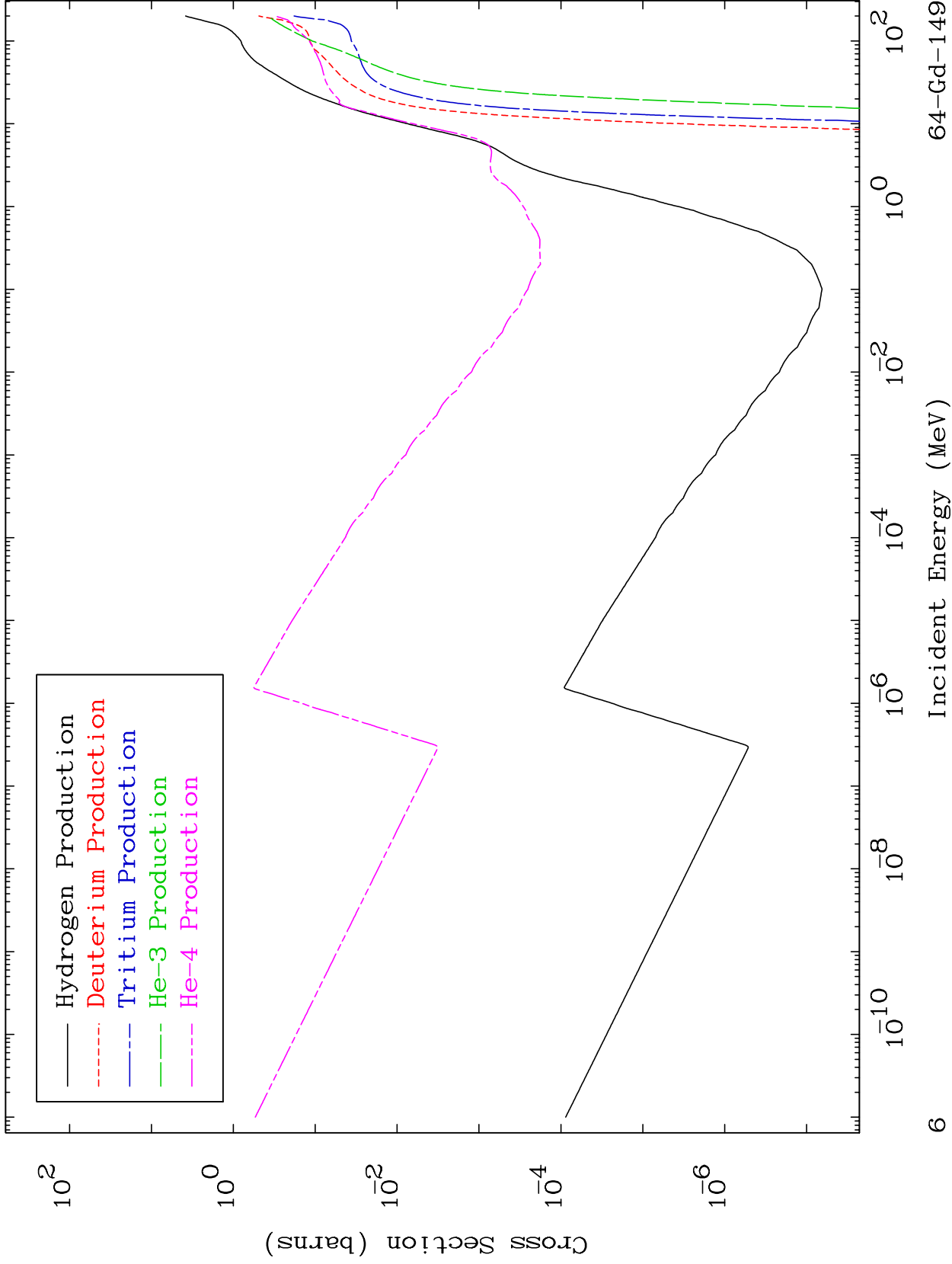
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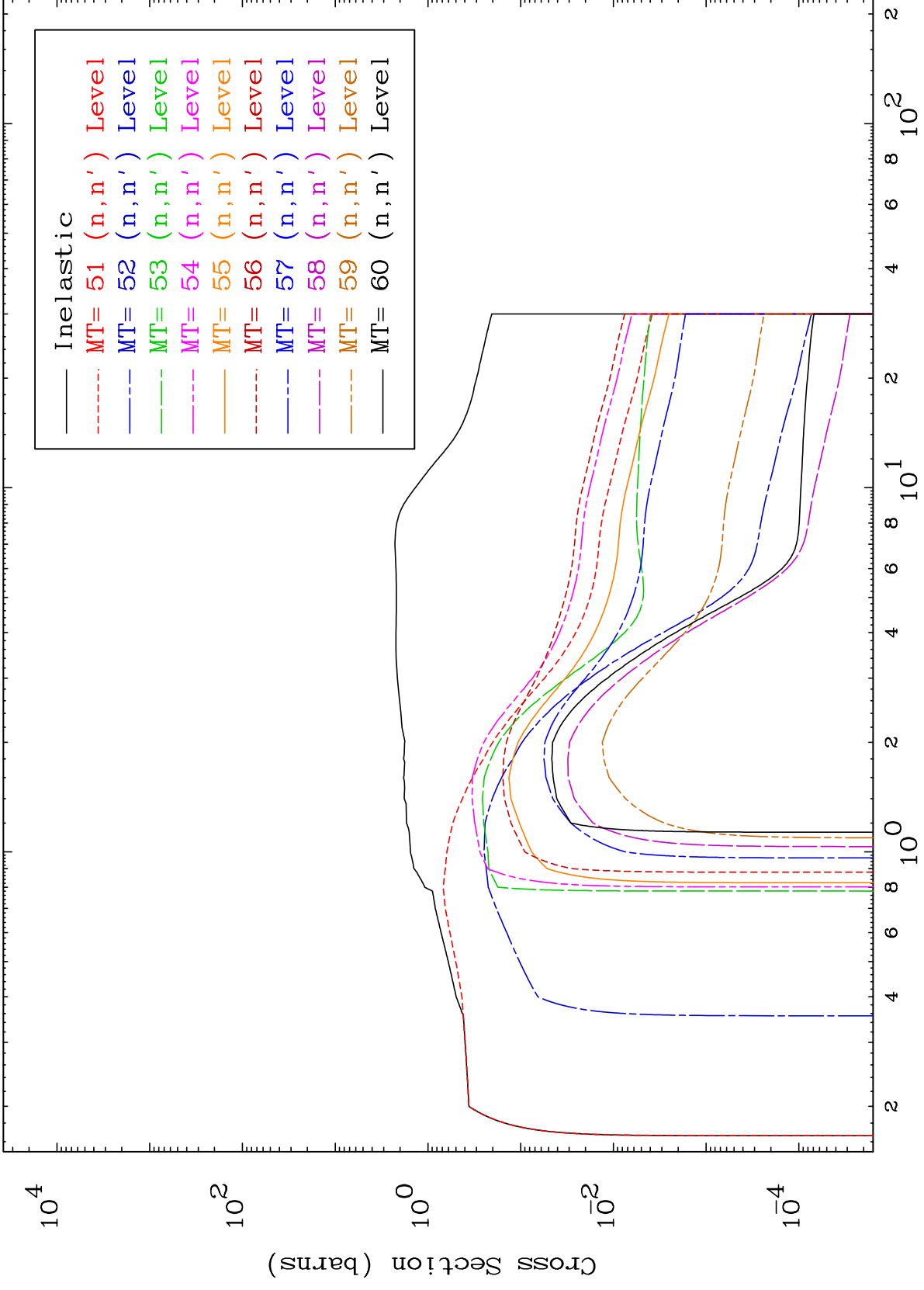
MAT 6416

Particle Production  
293 Kelvin Cross Sections

64-Gd-149



293 Kelvin Cross Sections



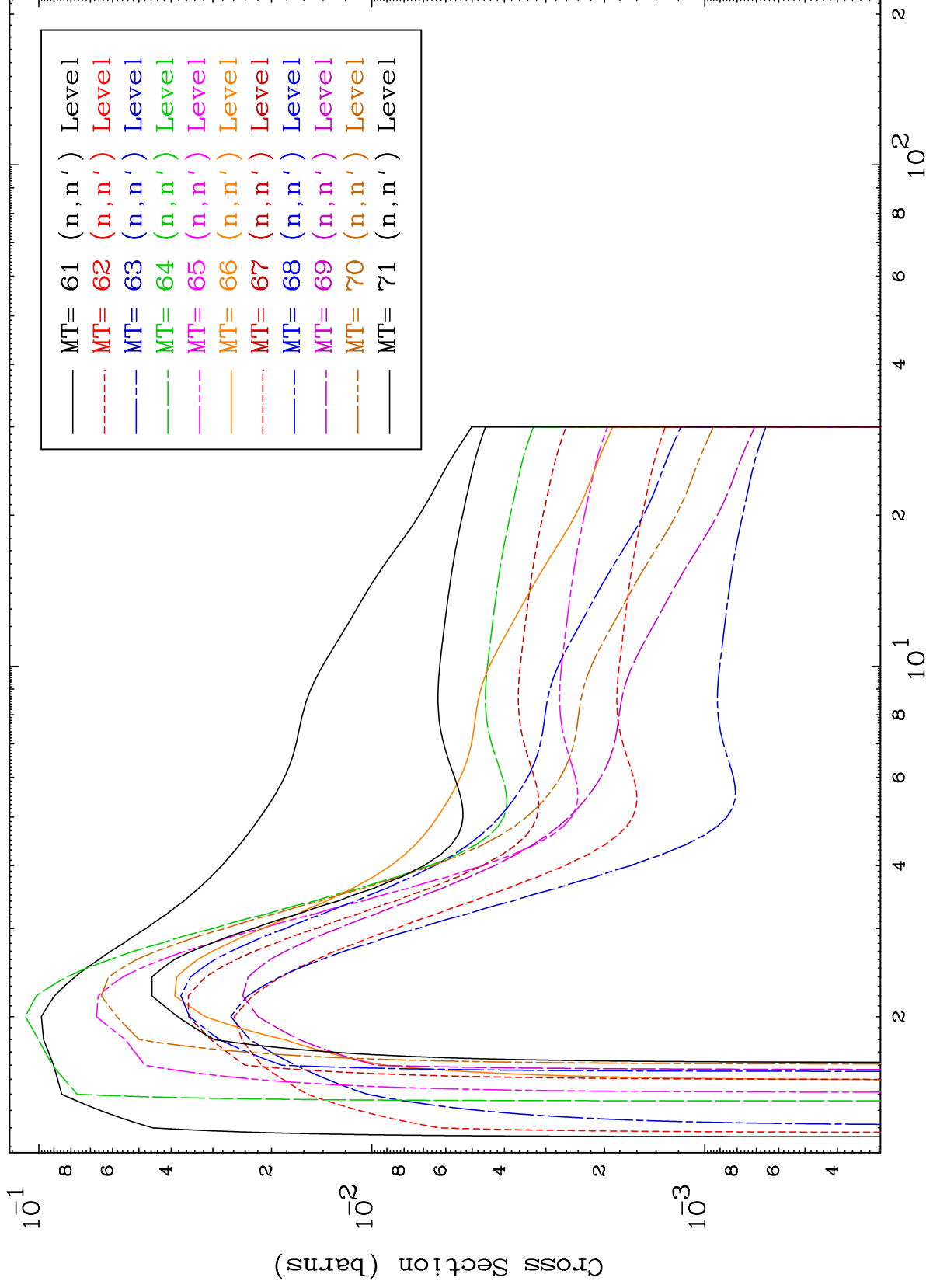


MAT 6416

(n,n') Level

64-Gd-149

293 Kelvin Cross Sections

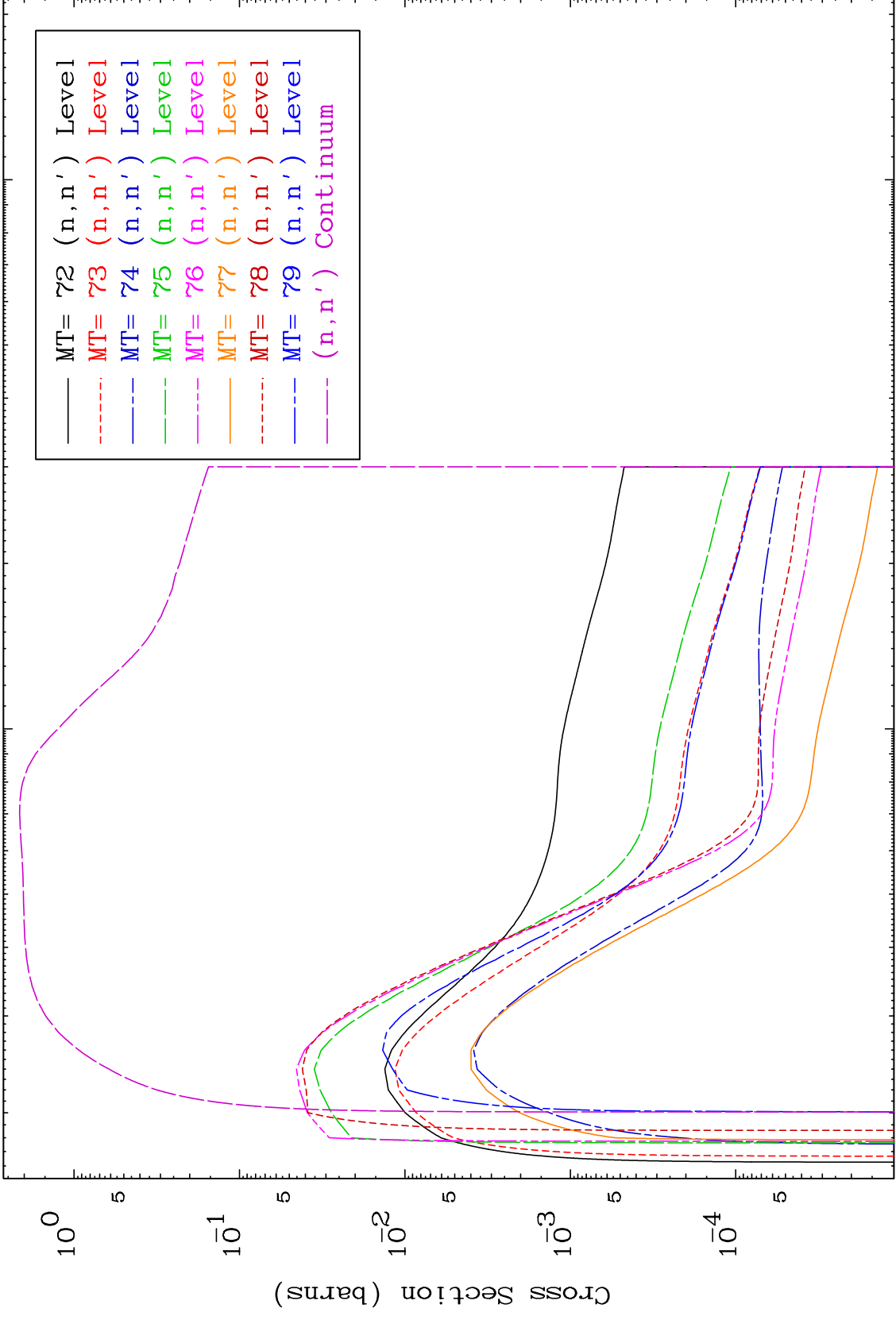


8

Incident Energy (MeV)

64-Gd-149

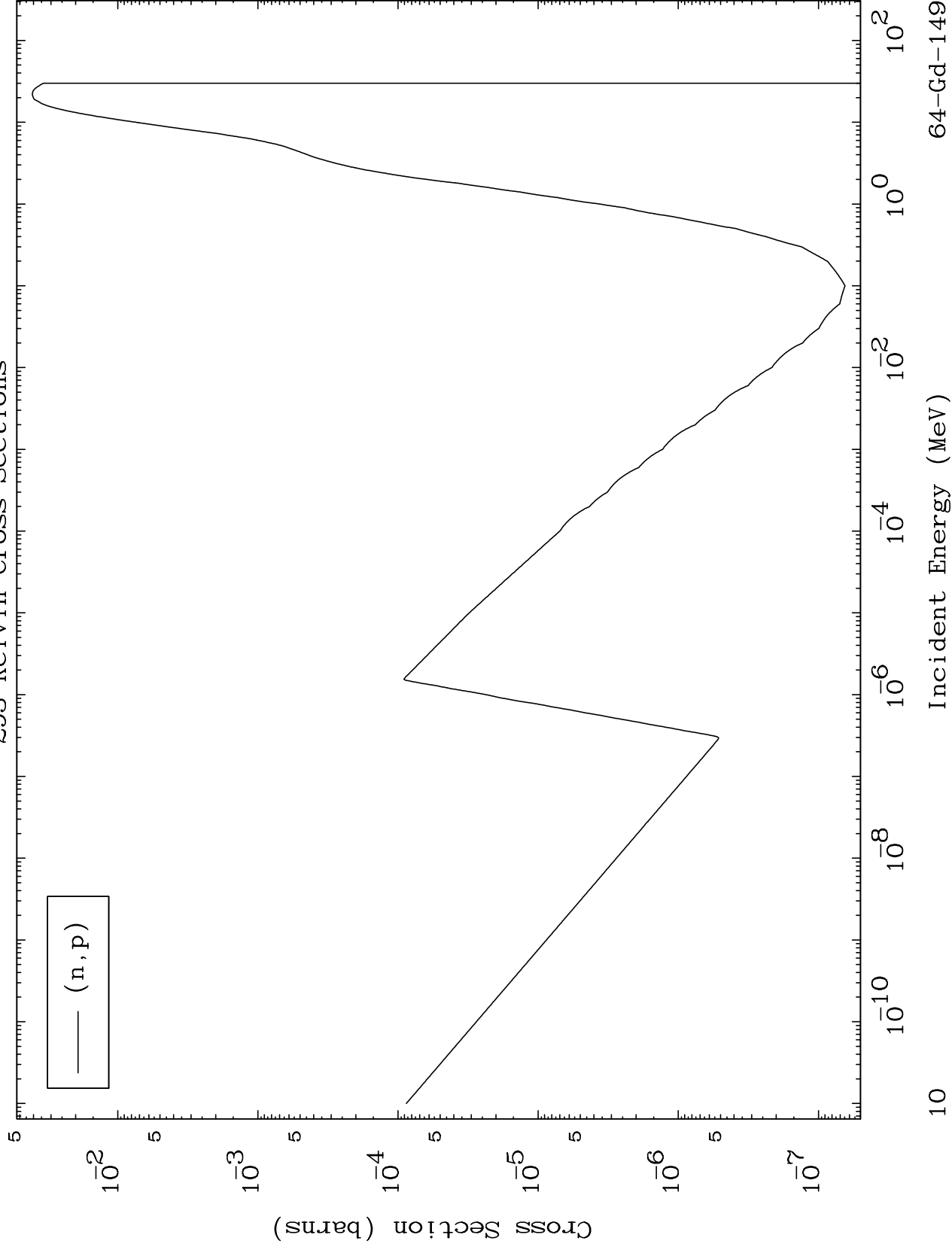
293 Kelvin Cross Sections



MAT 6416

(n,p) Levels  
293 Kelvin Cross Sections

64-Gd-149



10

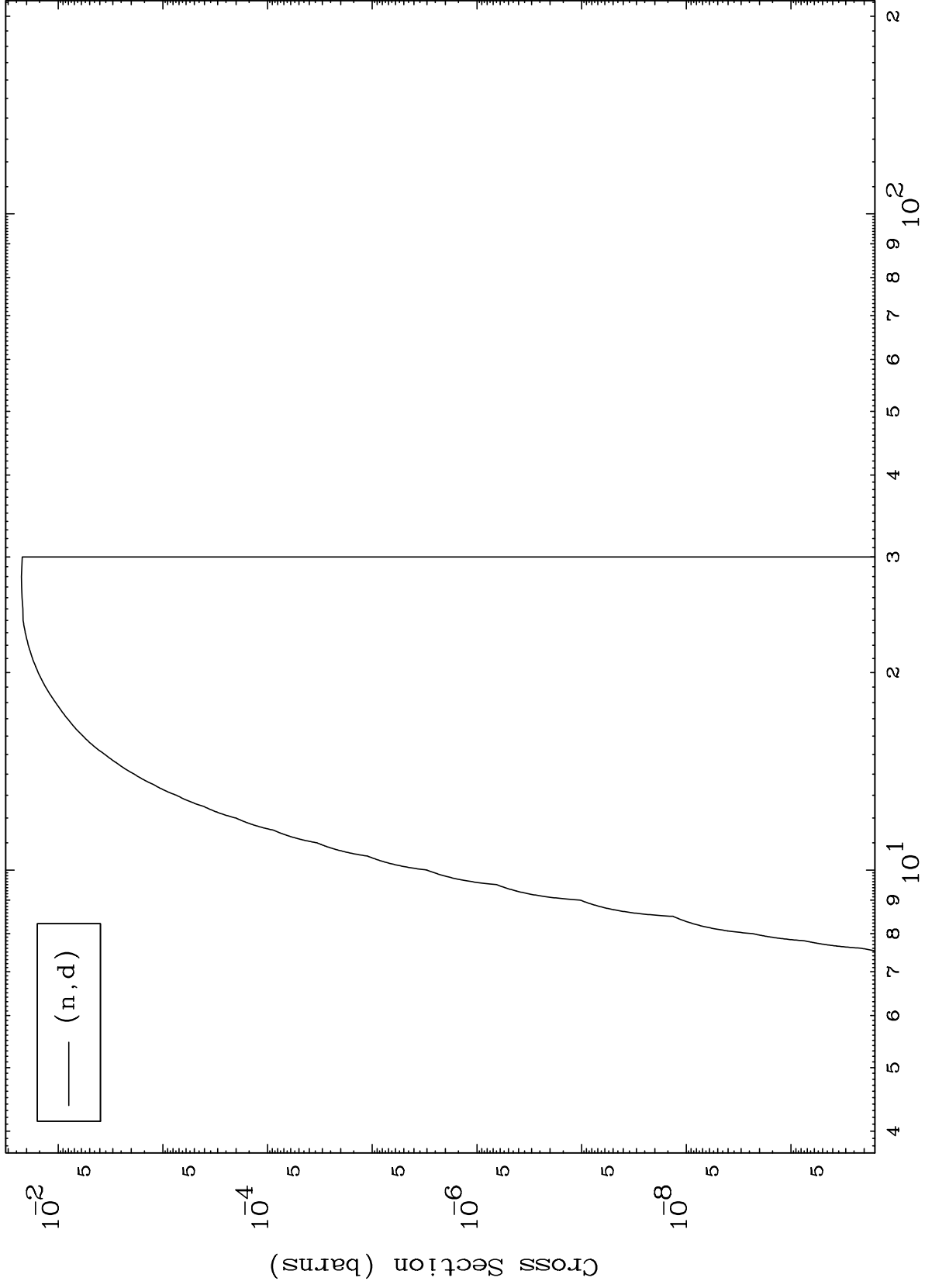
Incident Energy (MeV)

64-Gd-149

MAT 6416

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-149



11

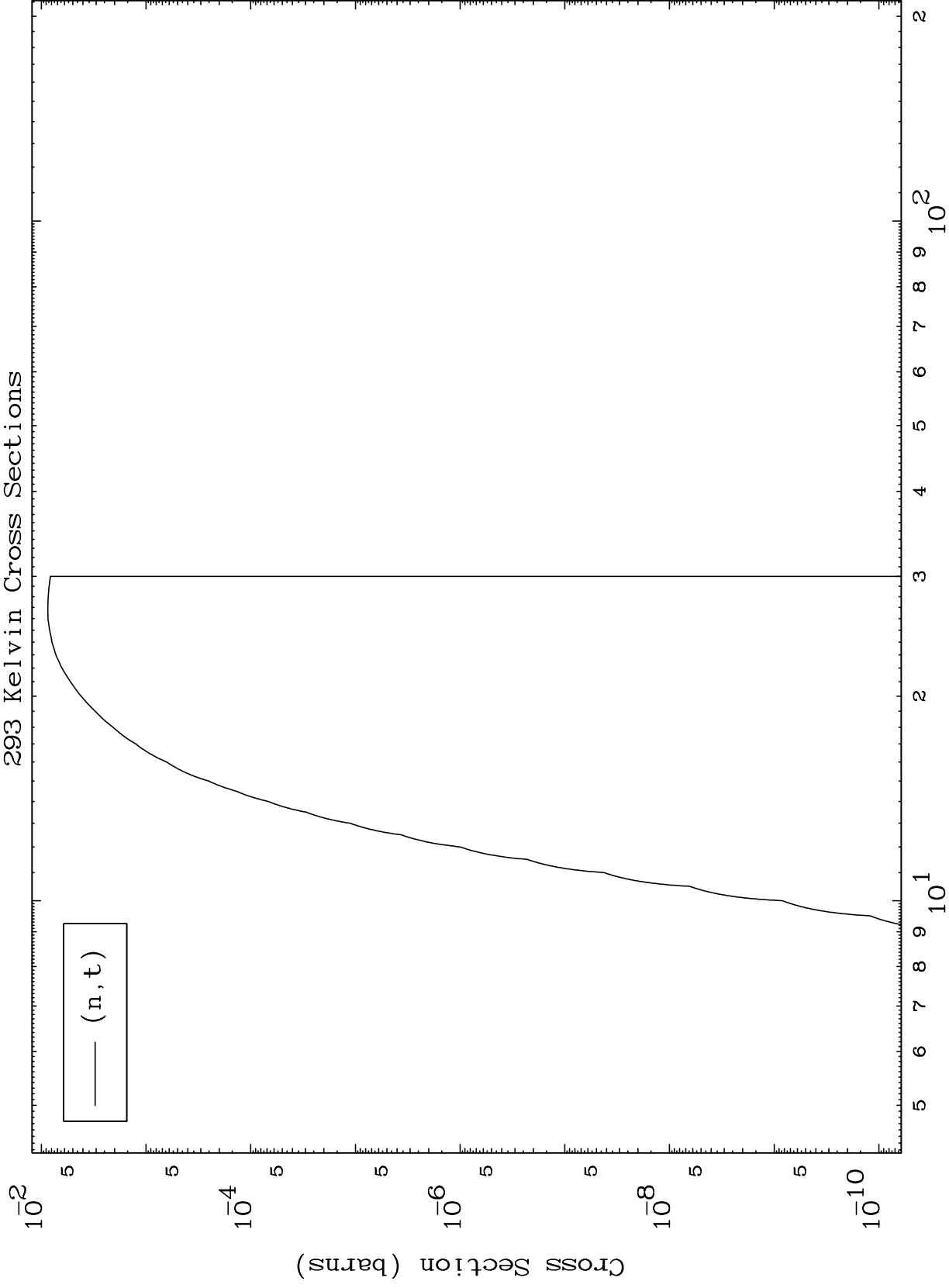
Incident Energy (MeV)

64-Gd-149

MAT 6416

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-149



12

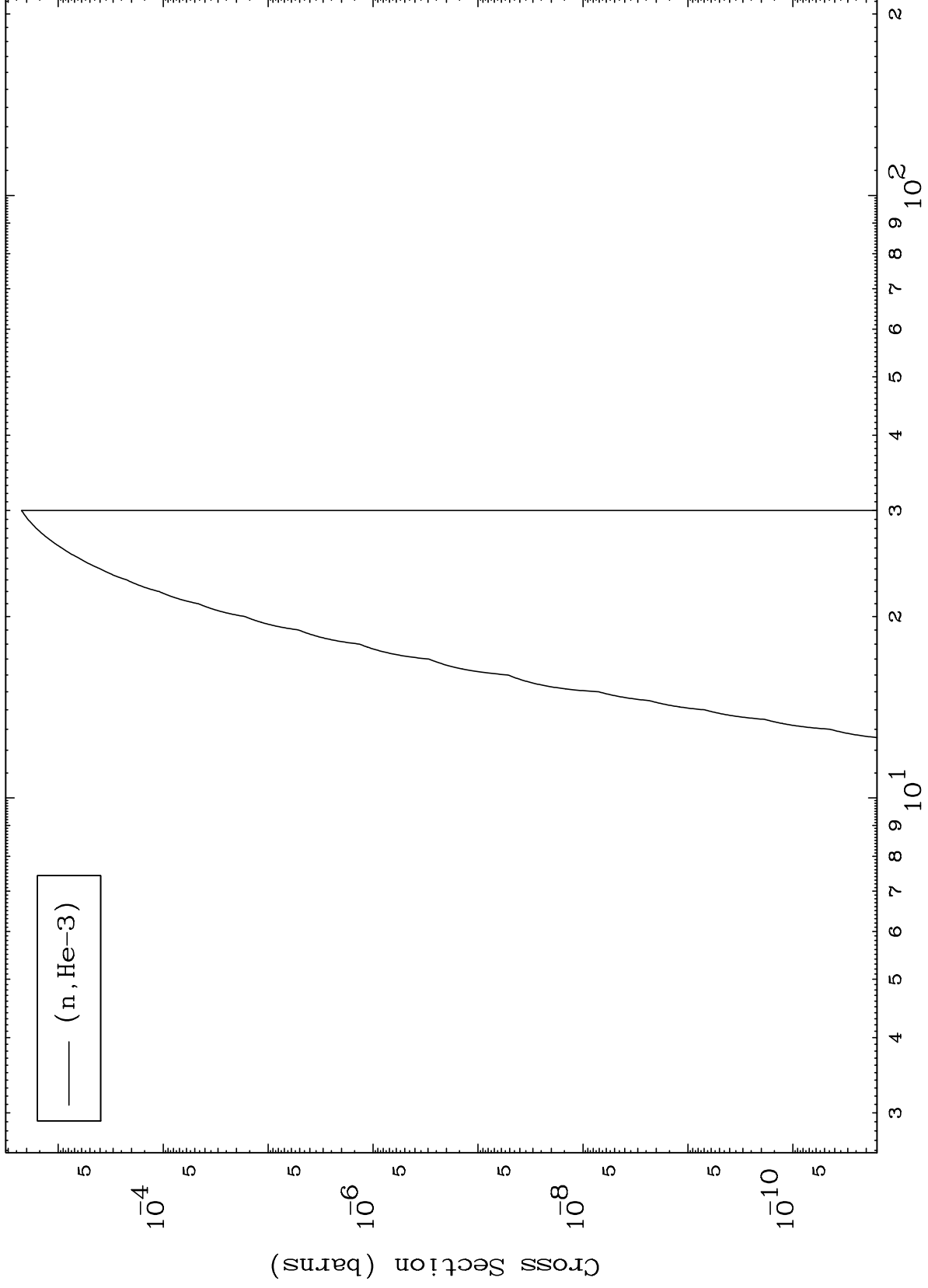
Incident Energy (MeV)

64-Gd-149

MAT 6416

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-149



13

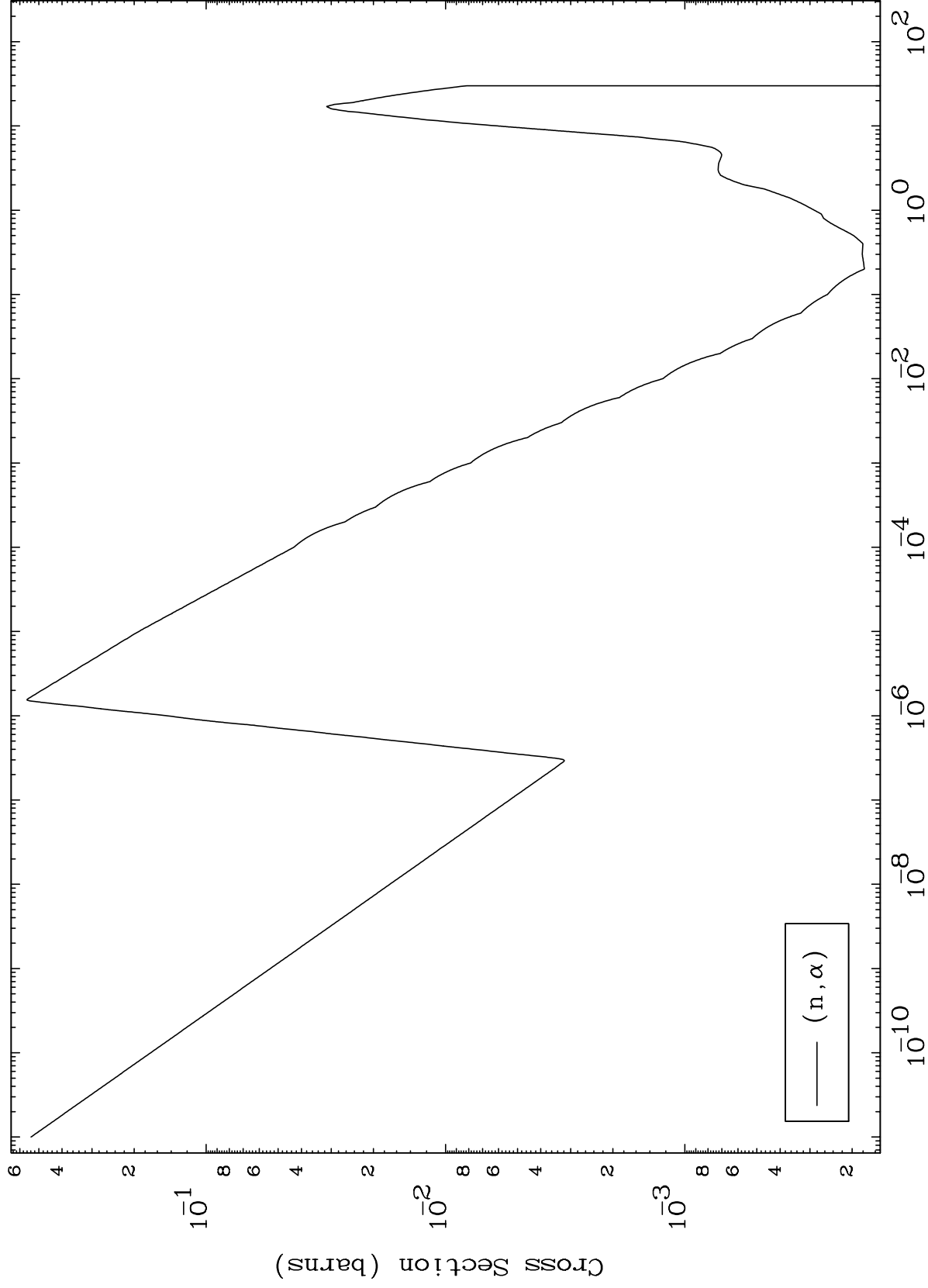
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

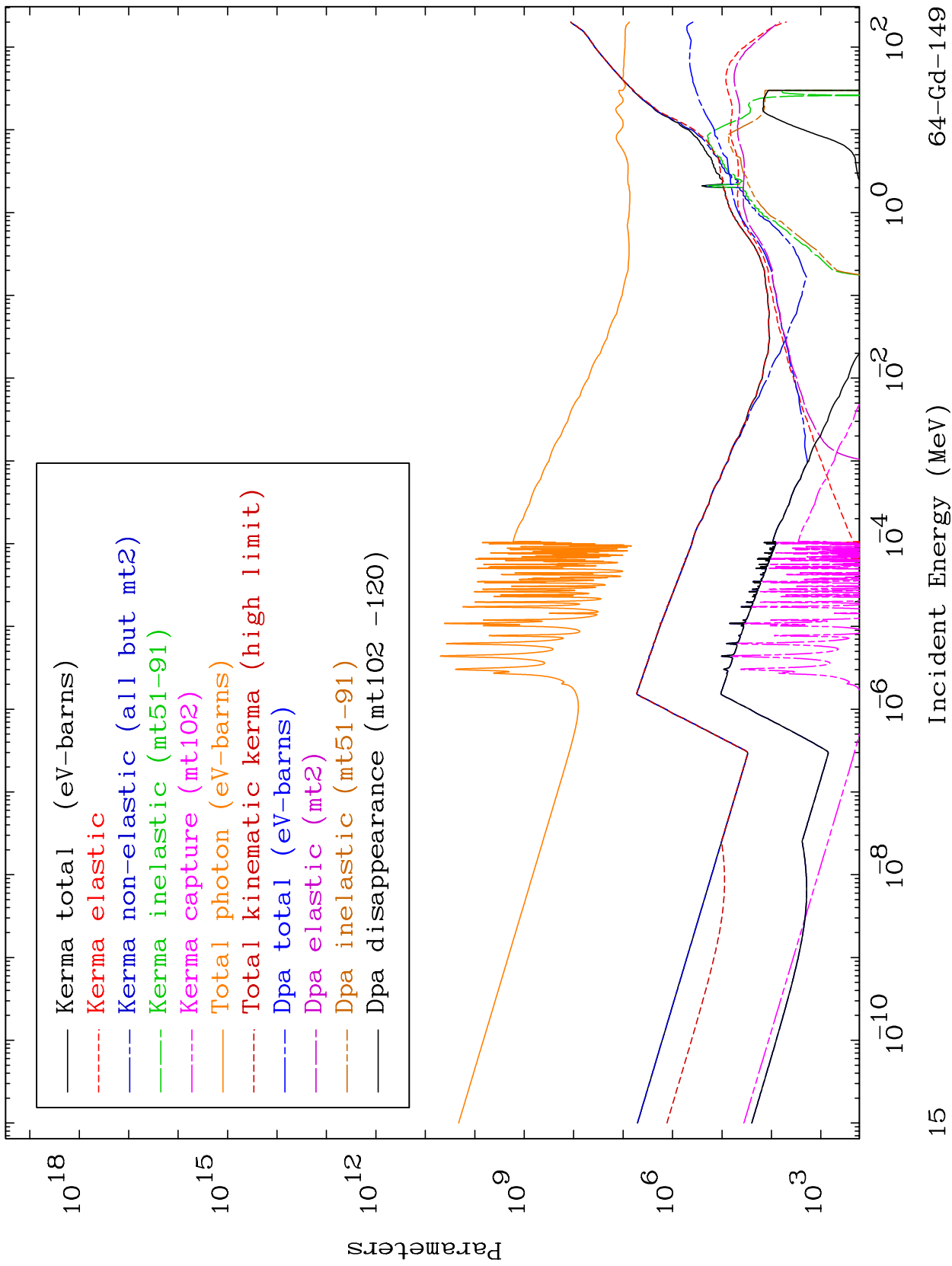
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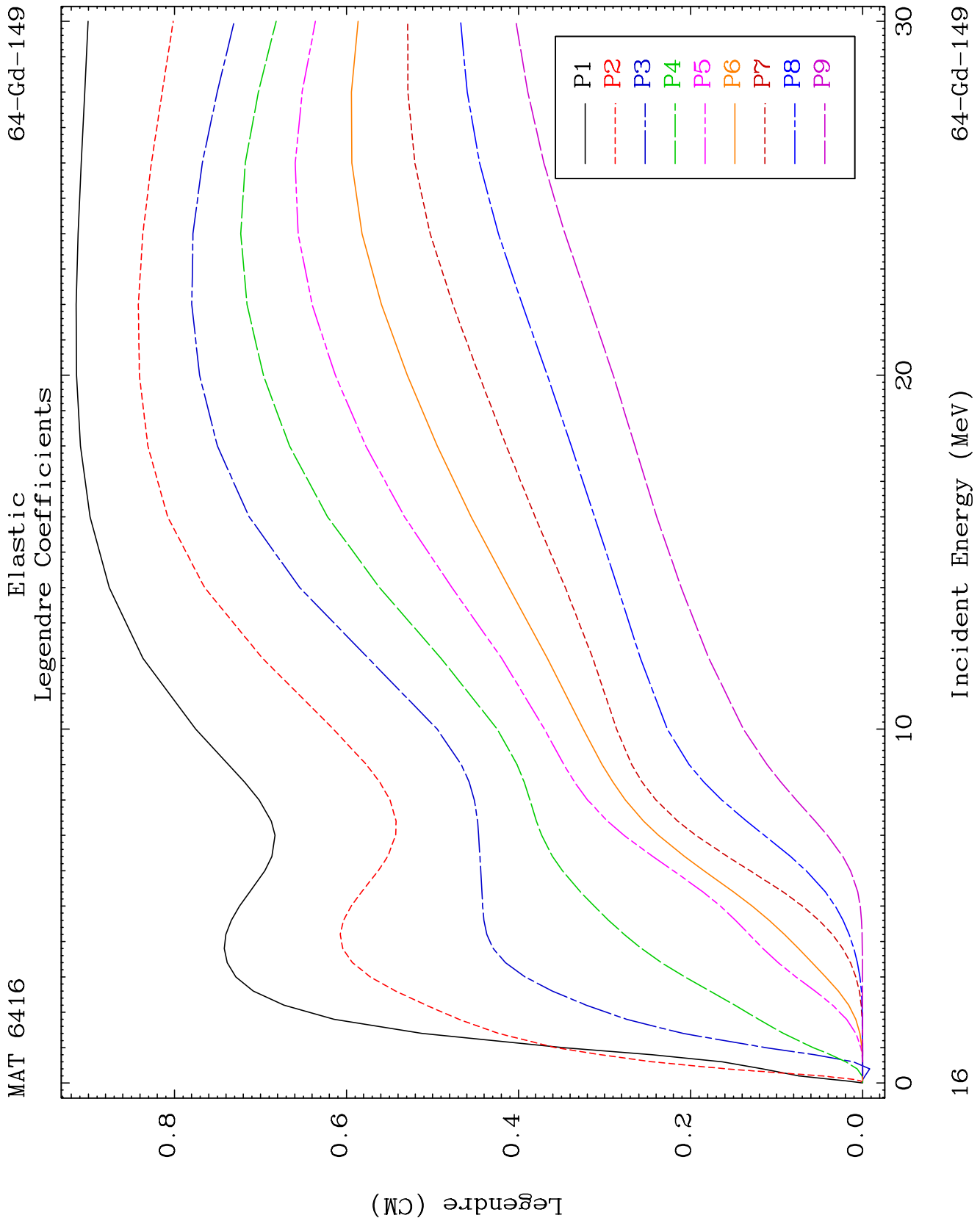
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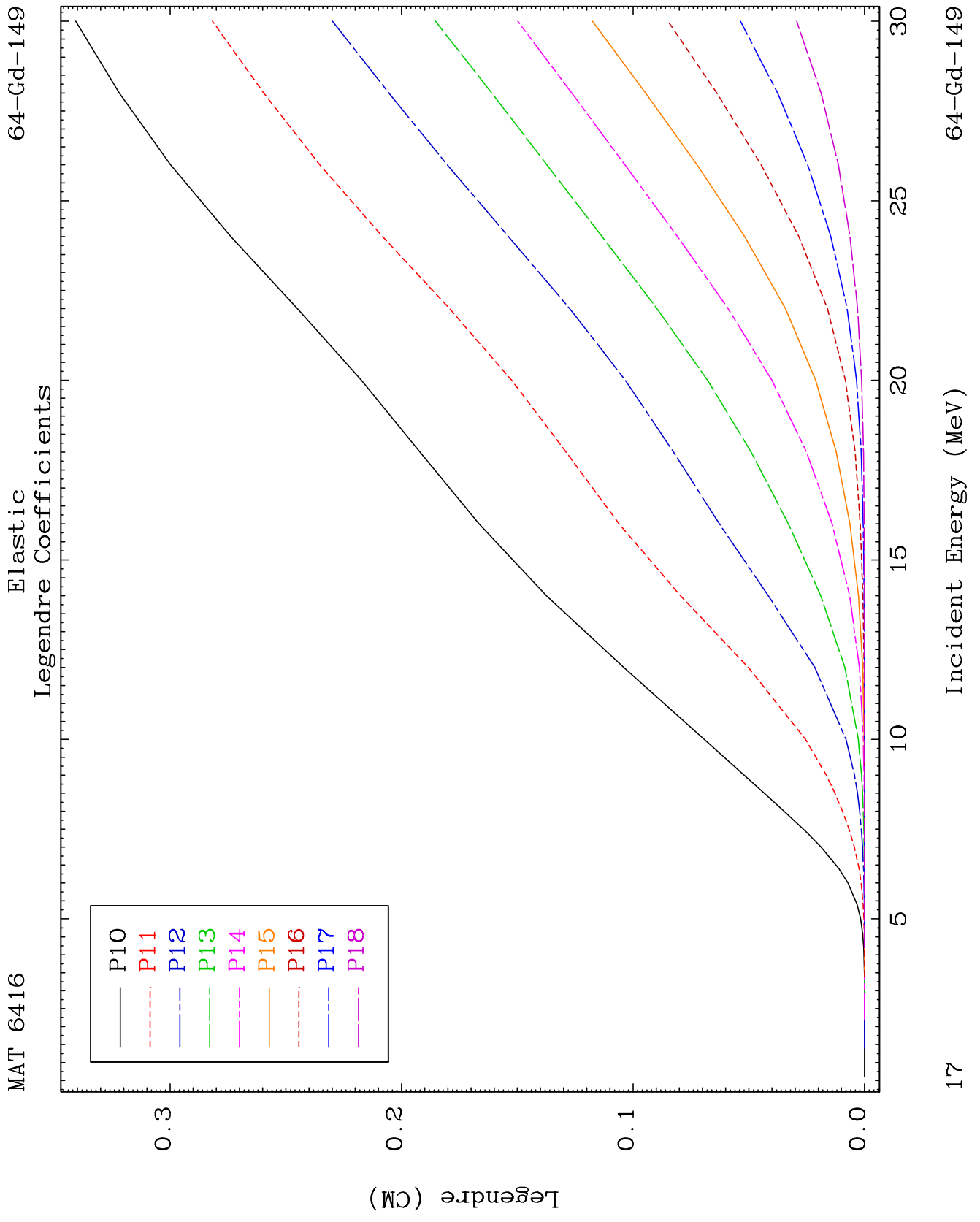
Incident Energy (MeV)

64-Gd-149





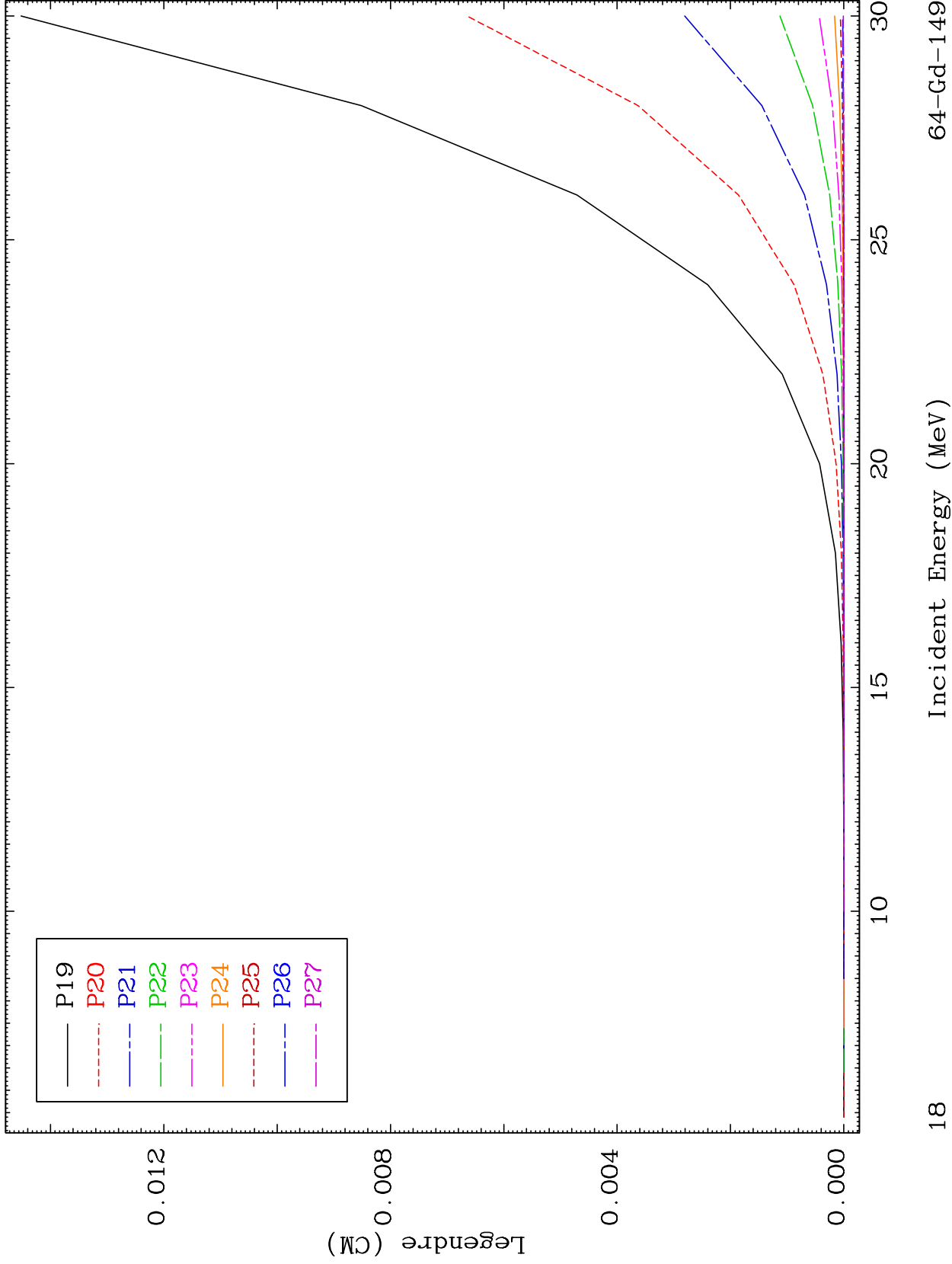




MAT 6416

### Elastic Legendre Coefficients

64-Gd-149



18

Incident Energy (MeV)

64-Gd-149

30

25

20

15

10

Legendre (CM)

0.012

0.008

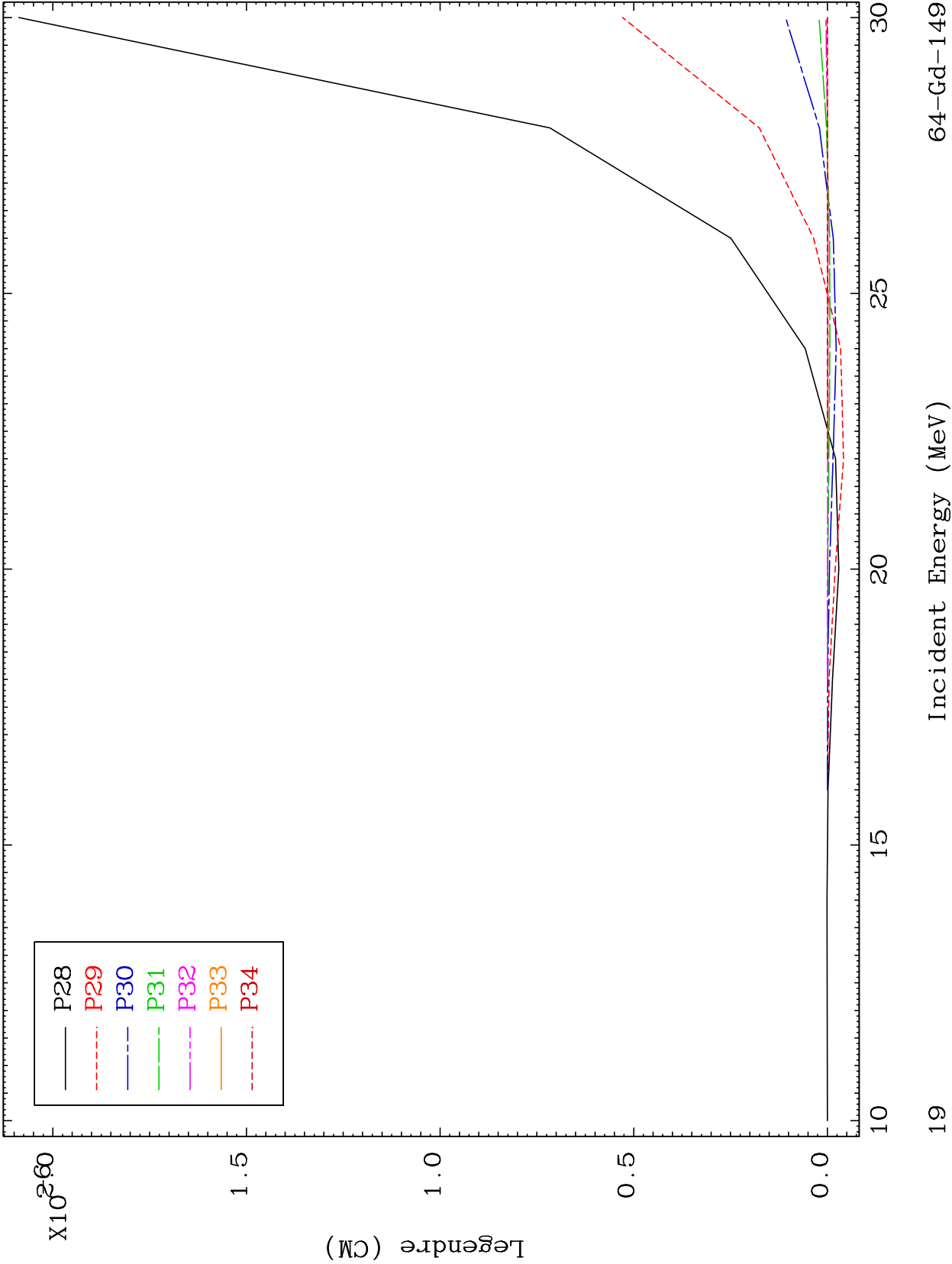
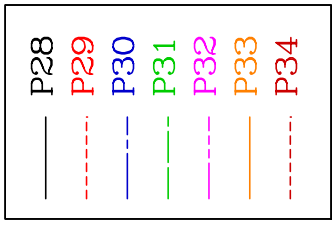
0.004

0.000

MAT 6416

Elastic Legendre Coefficients

64-Gd-149

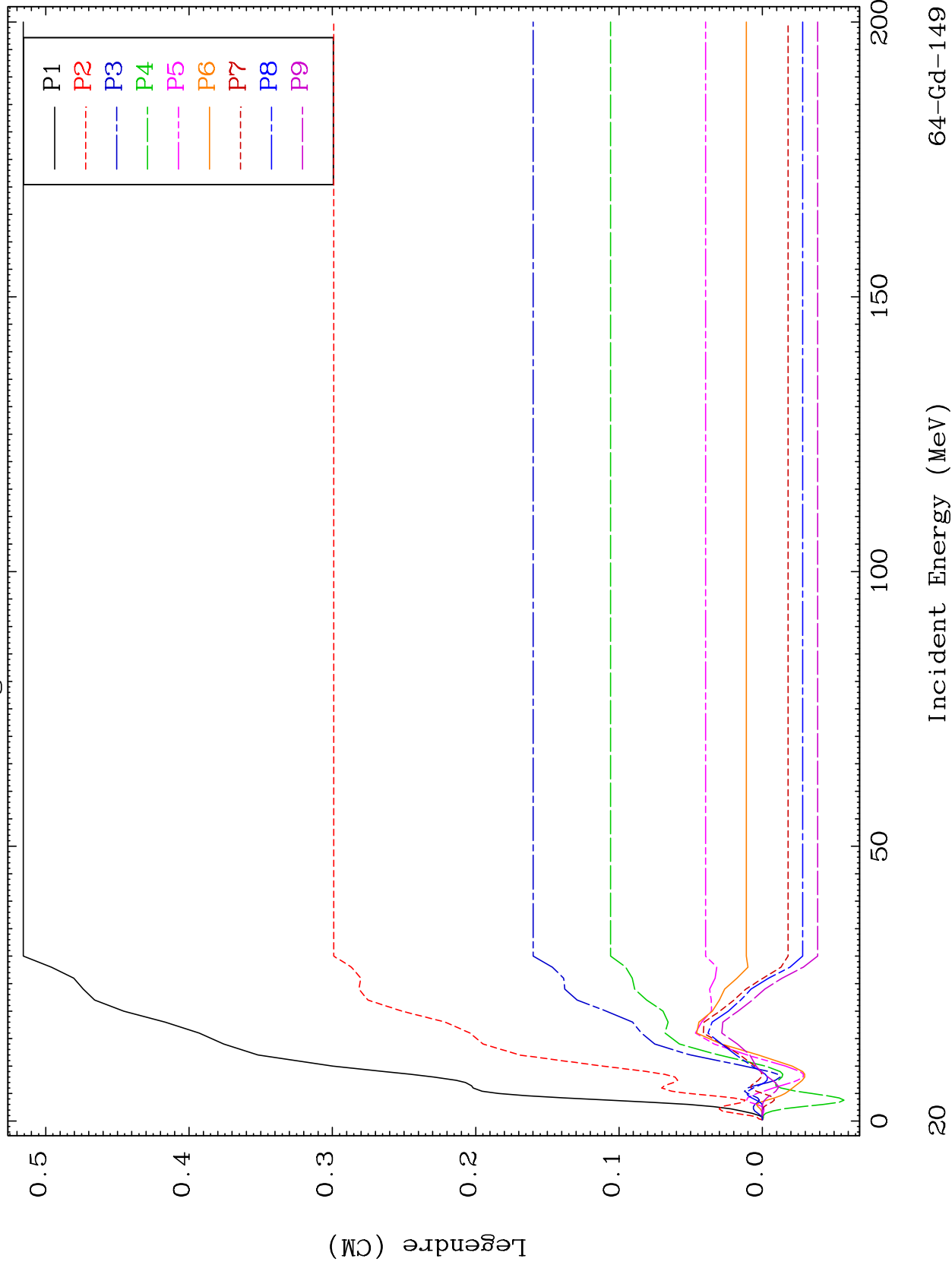


64-Gd-149

MAT 6416

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

64-Gd-149

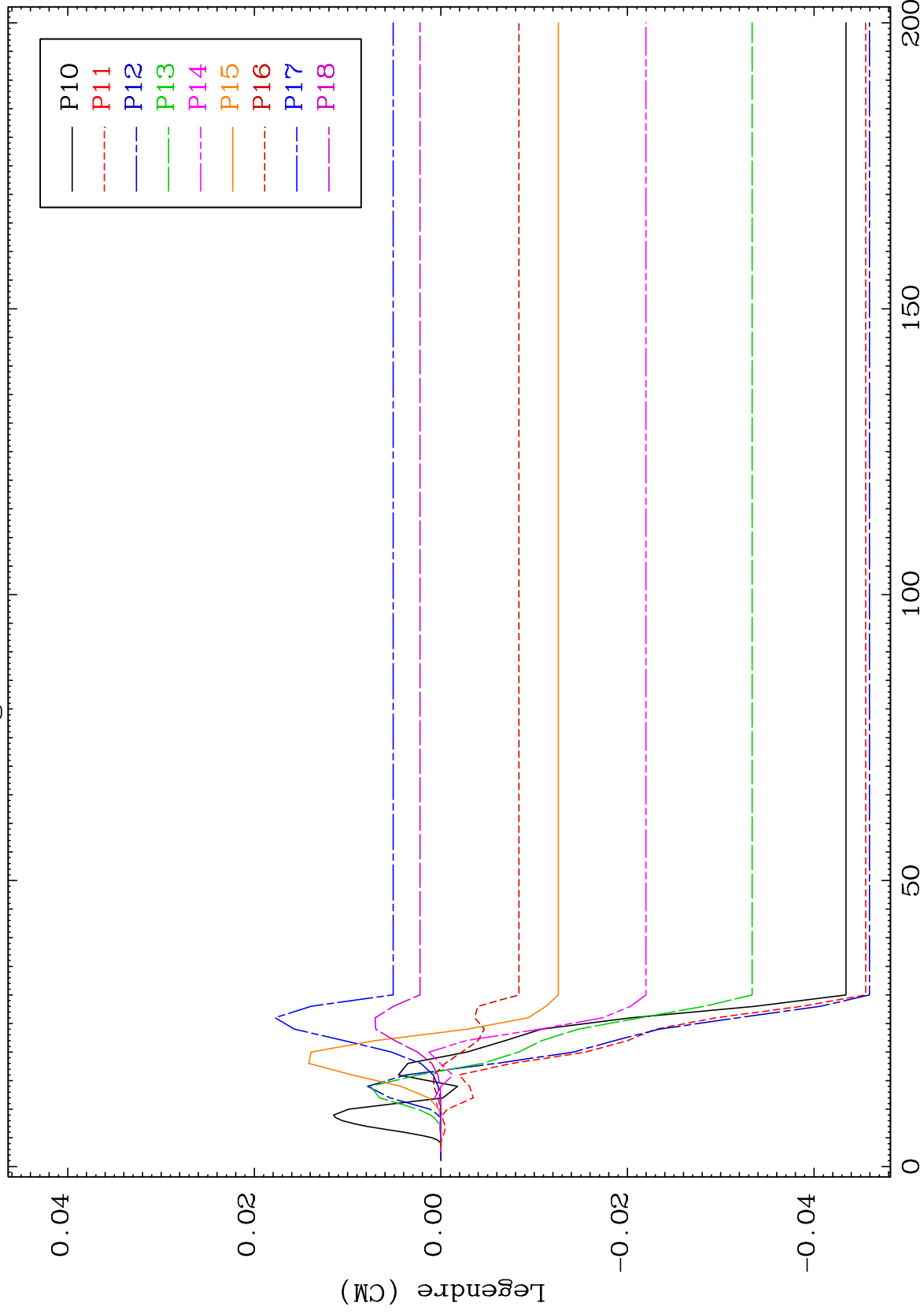


64-Gd-149

MAT 6416

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

64-Gd-149



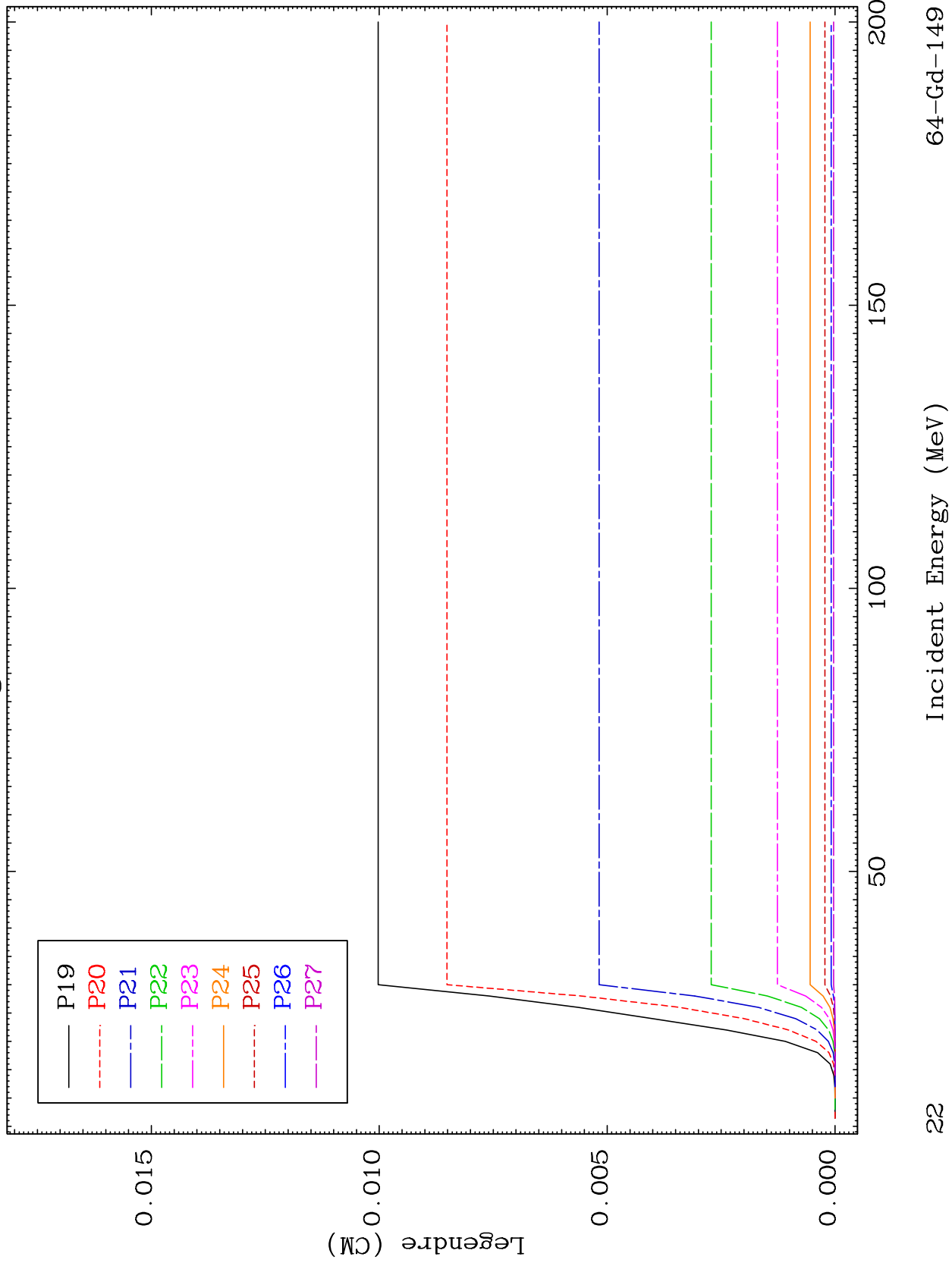
21

64-Gd-149

MAT 6416

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

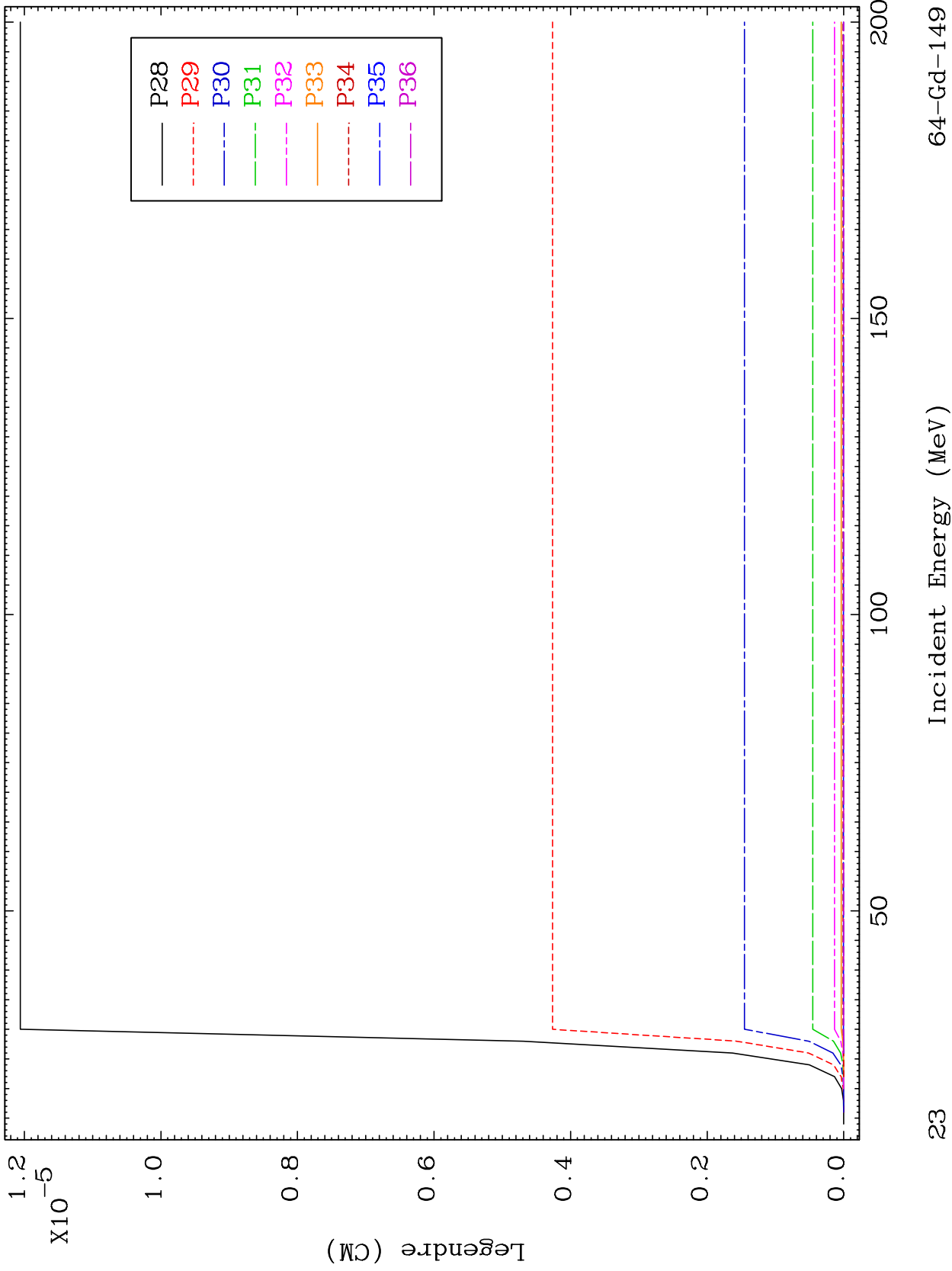
64-Gd-149



22

Incident Energy (MeV)

64-Gd-149

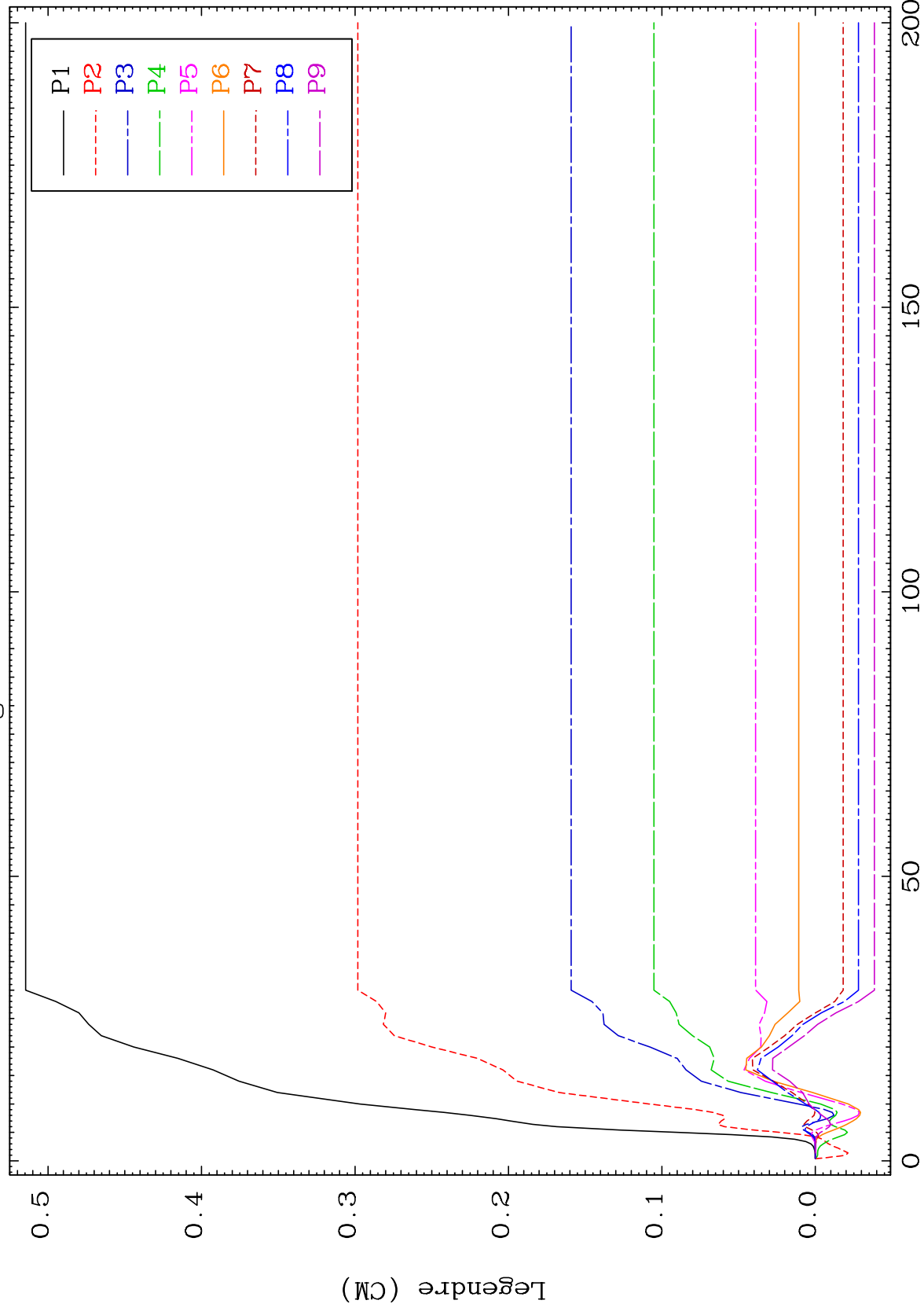




MAT 6416

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

64-Gd-149



24

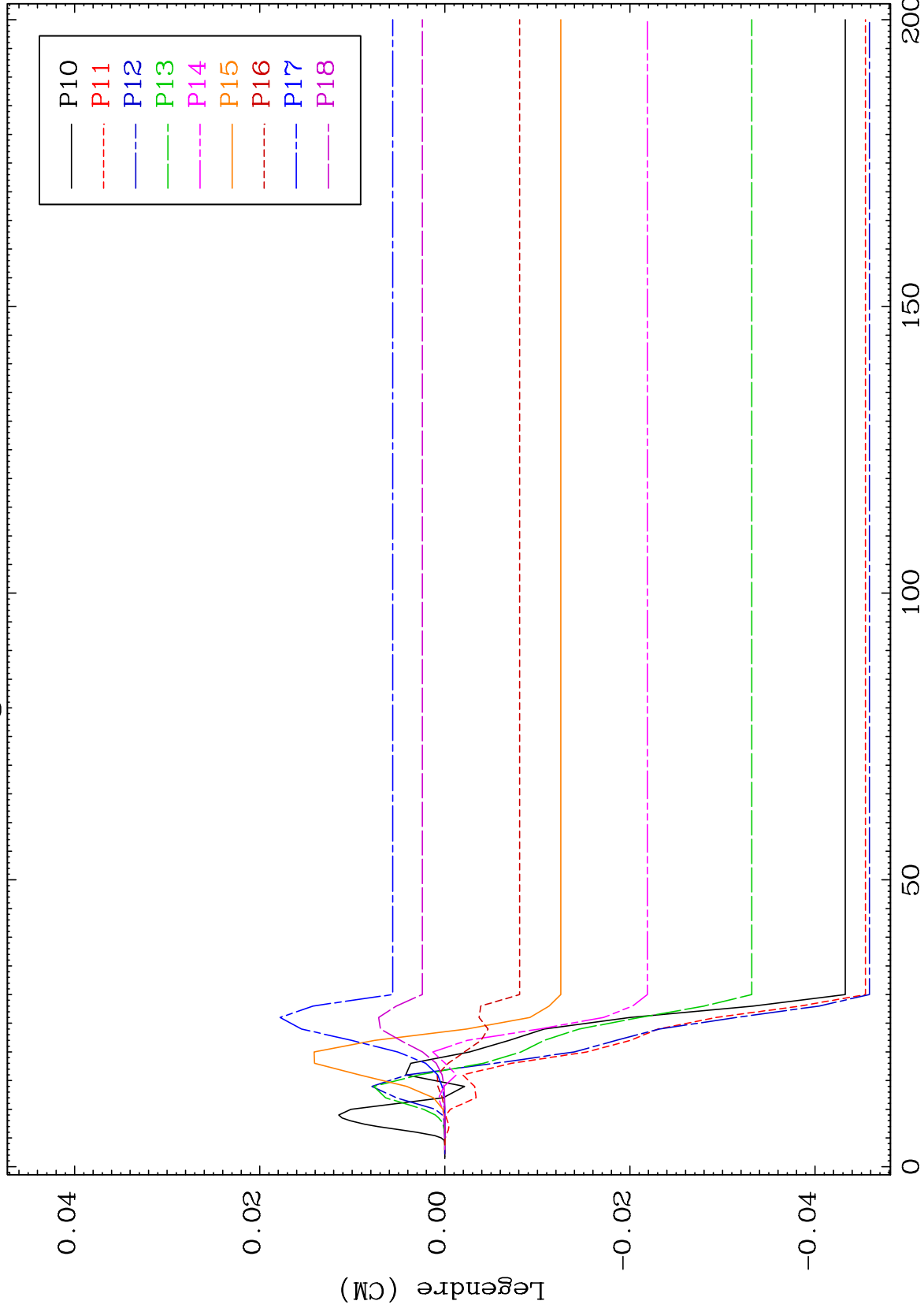
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

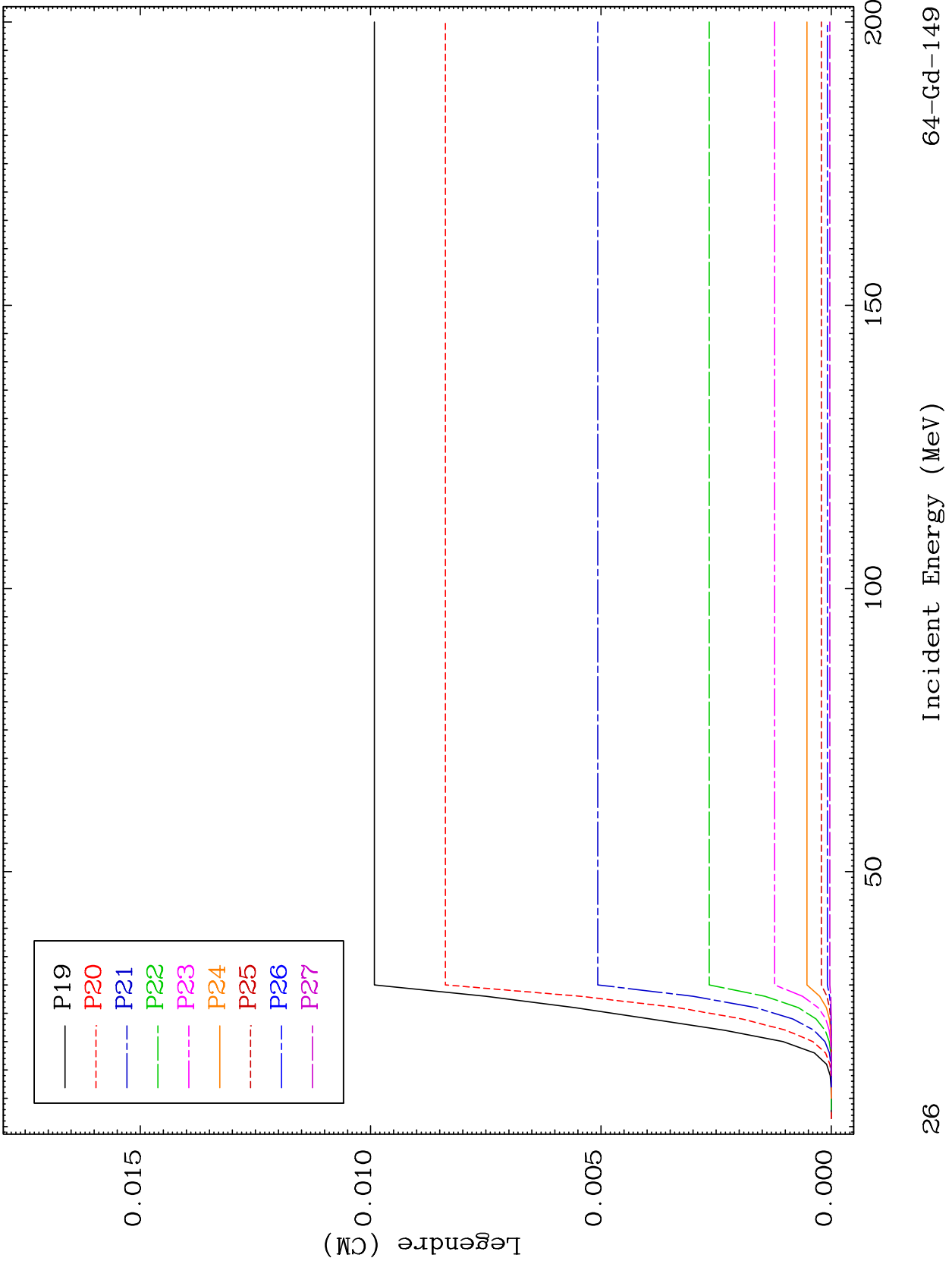
64-Gd-149



25

Incident Energy (MeV)

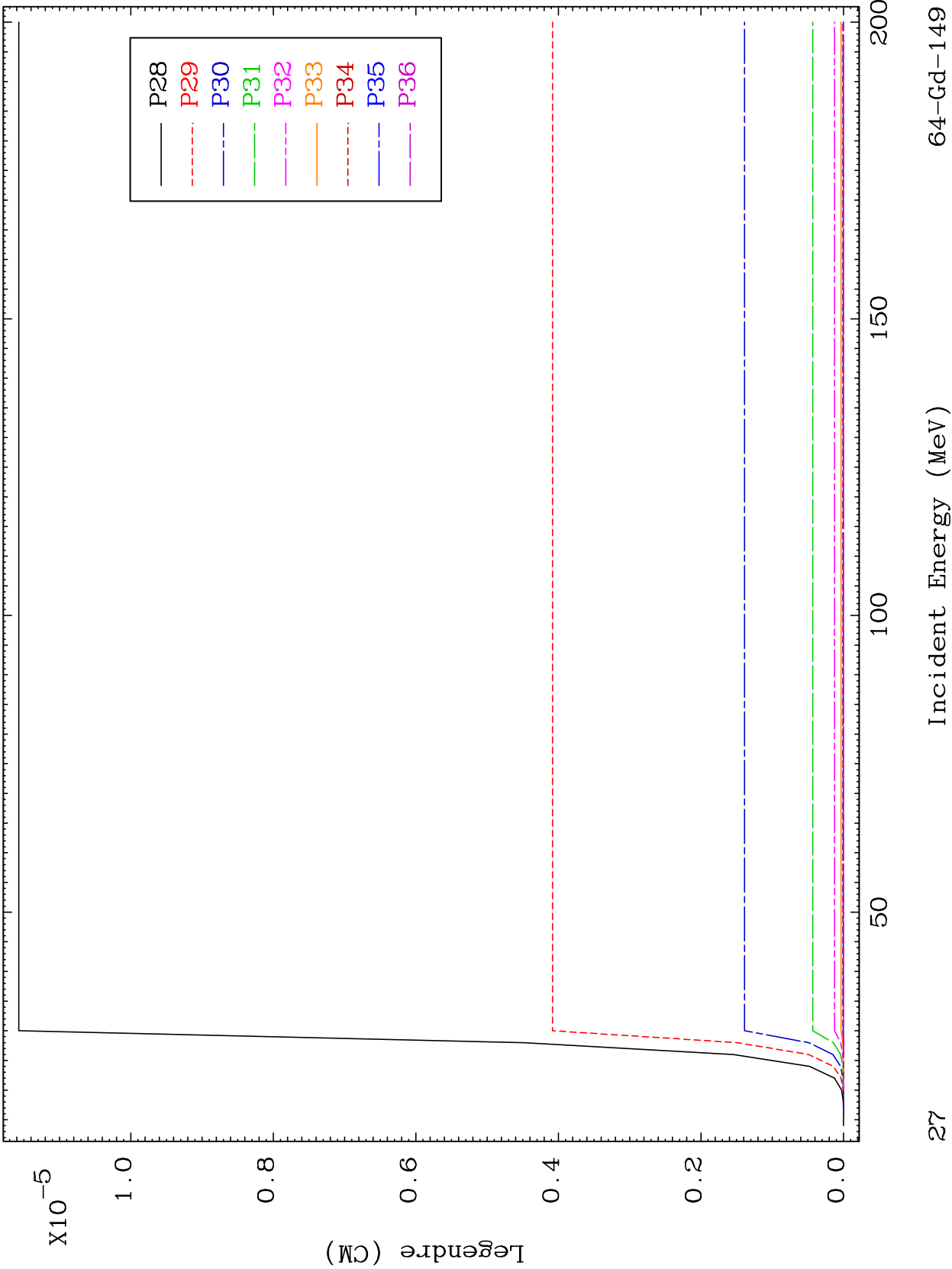
64-Gd-149



MAT 6416

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

64-Gd-149



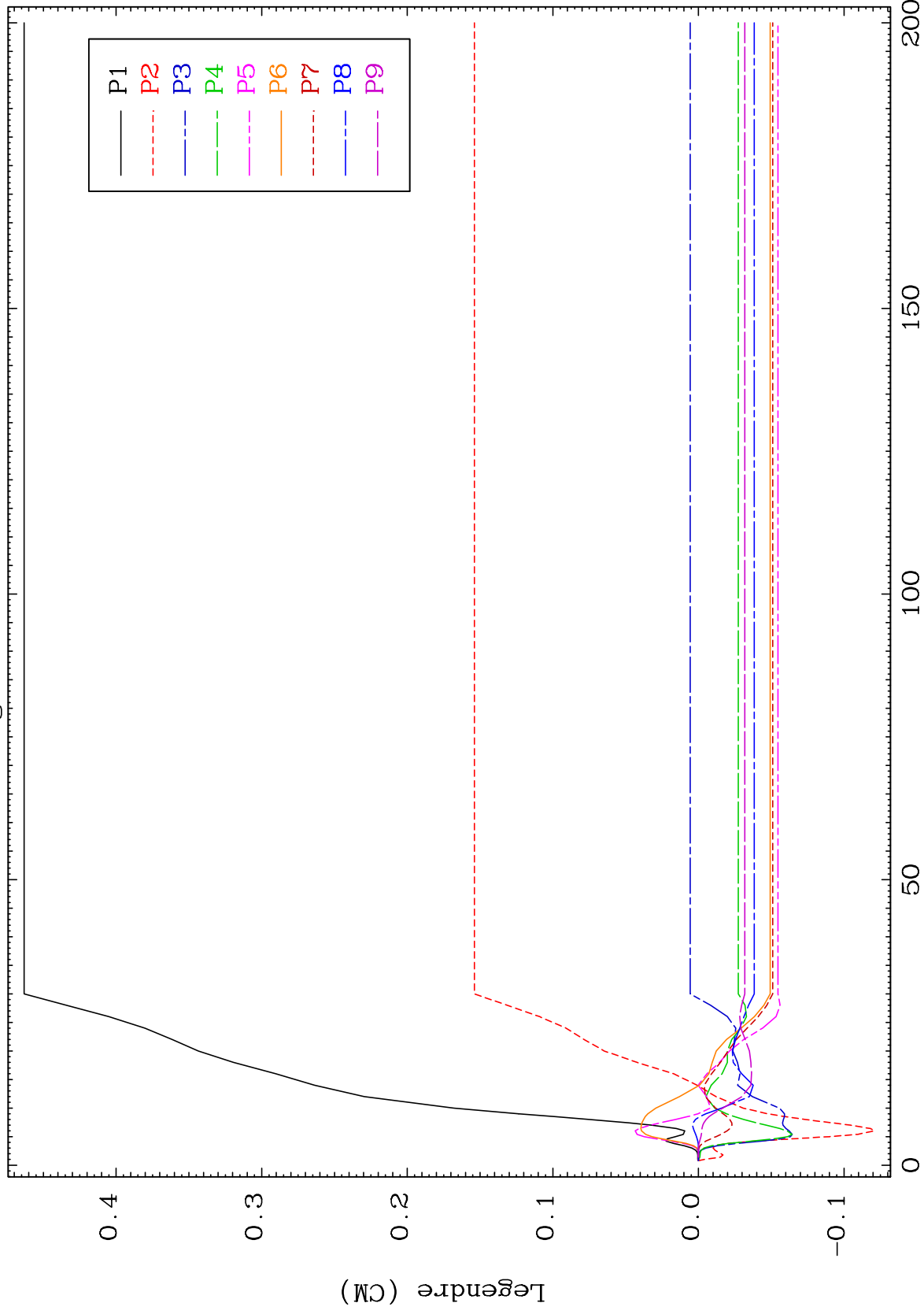
27

64-Gd-149

MAT 6416

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

64-Gd-149



28

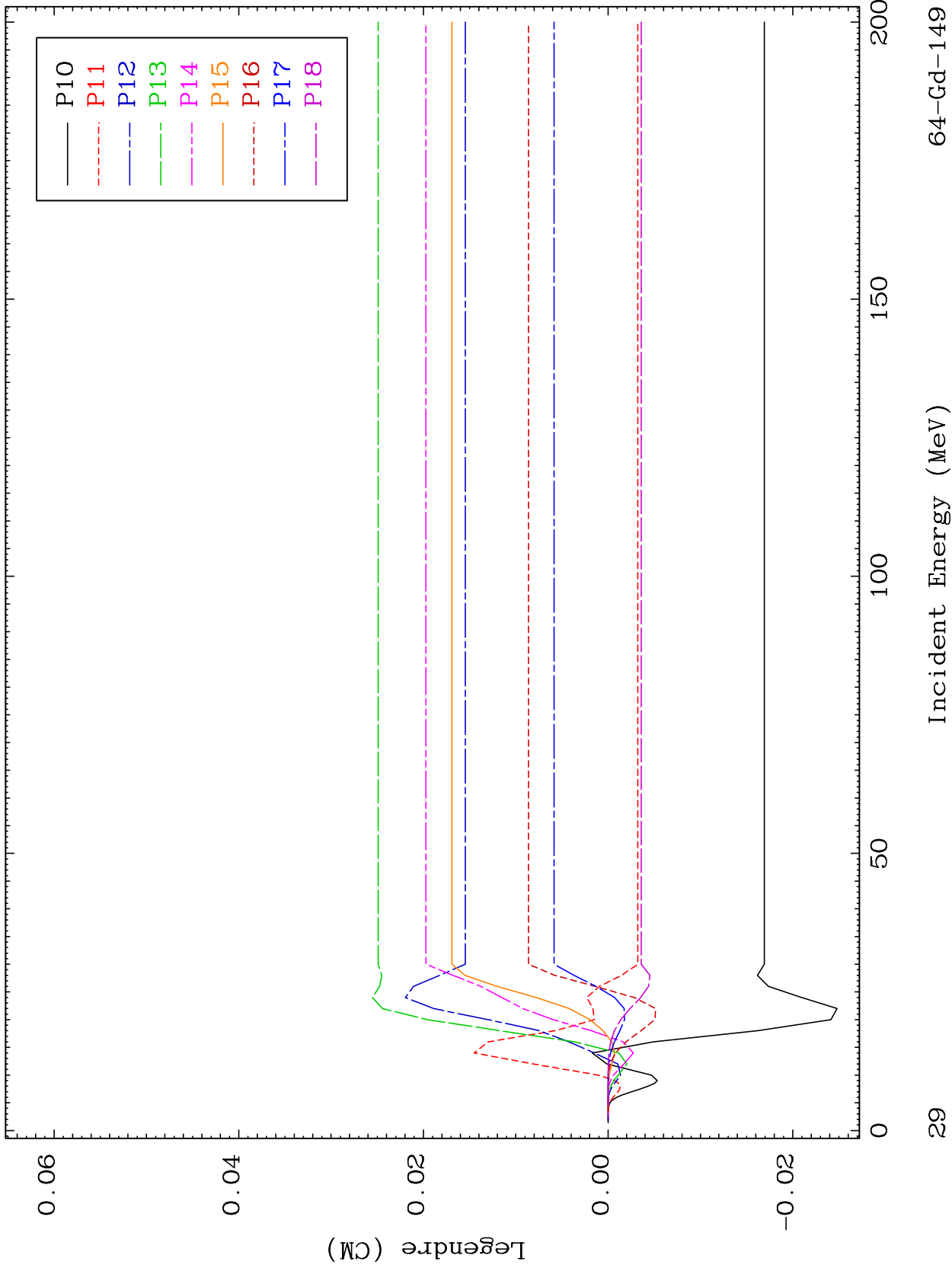
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

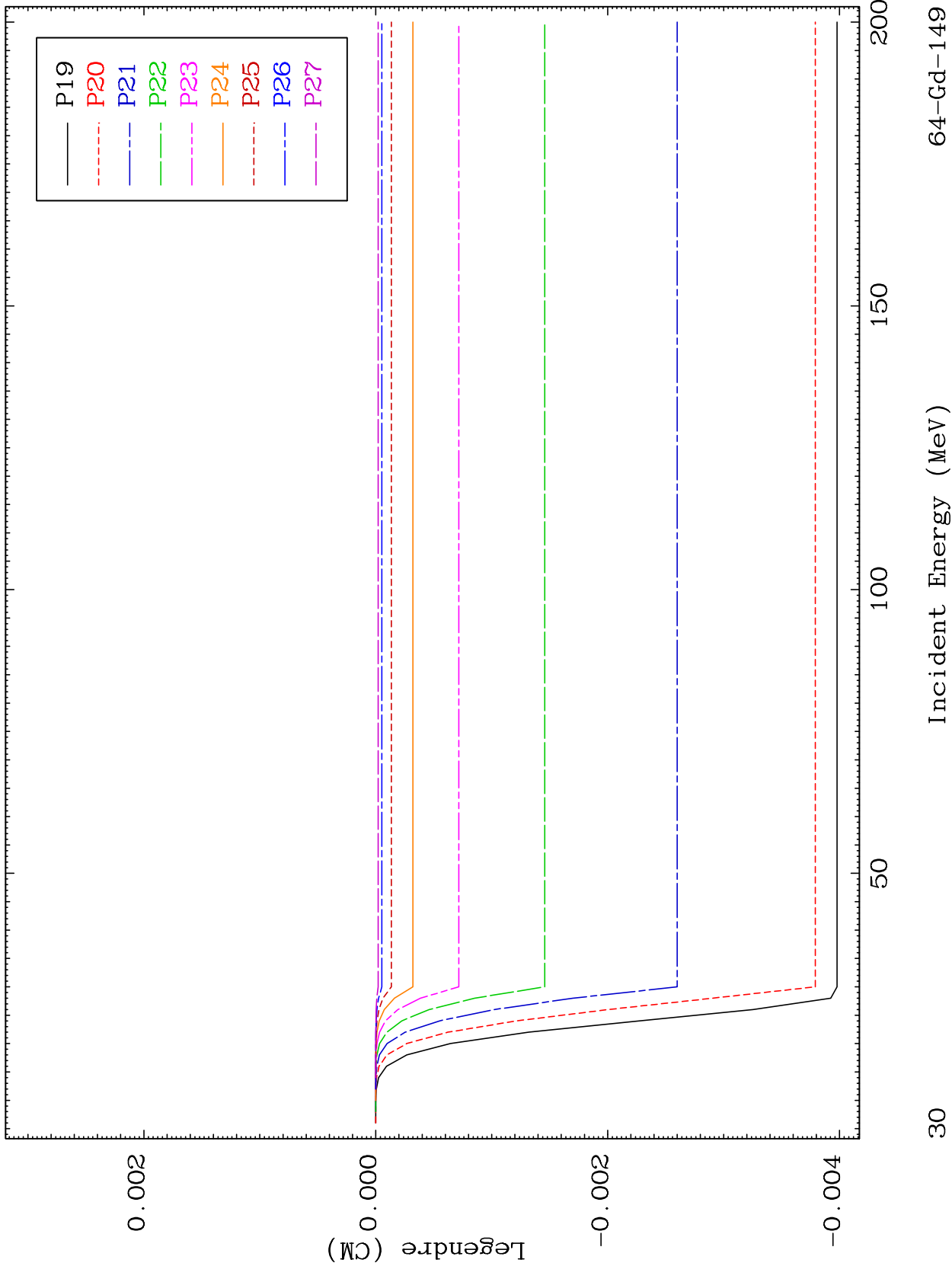
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MAT 6416

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

64-Gd-149



30

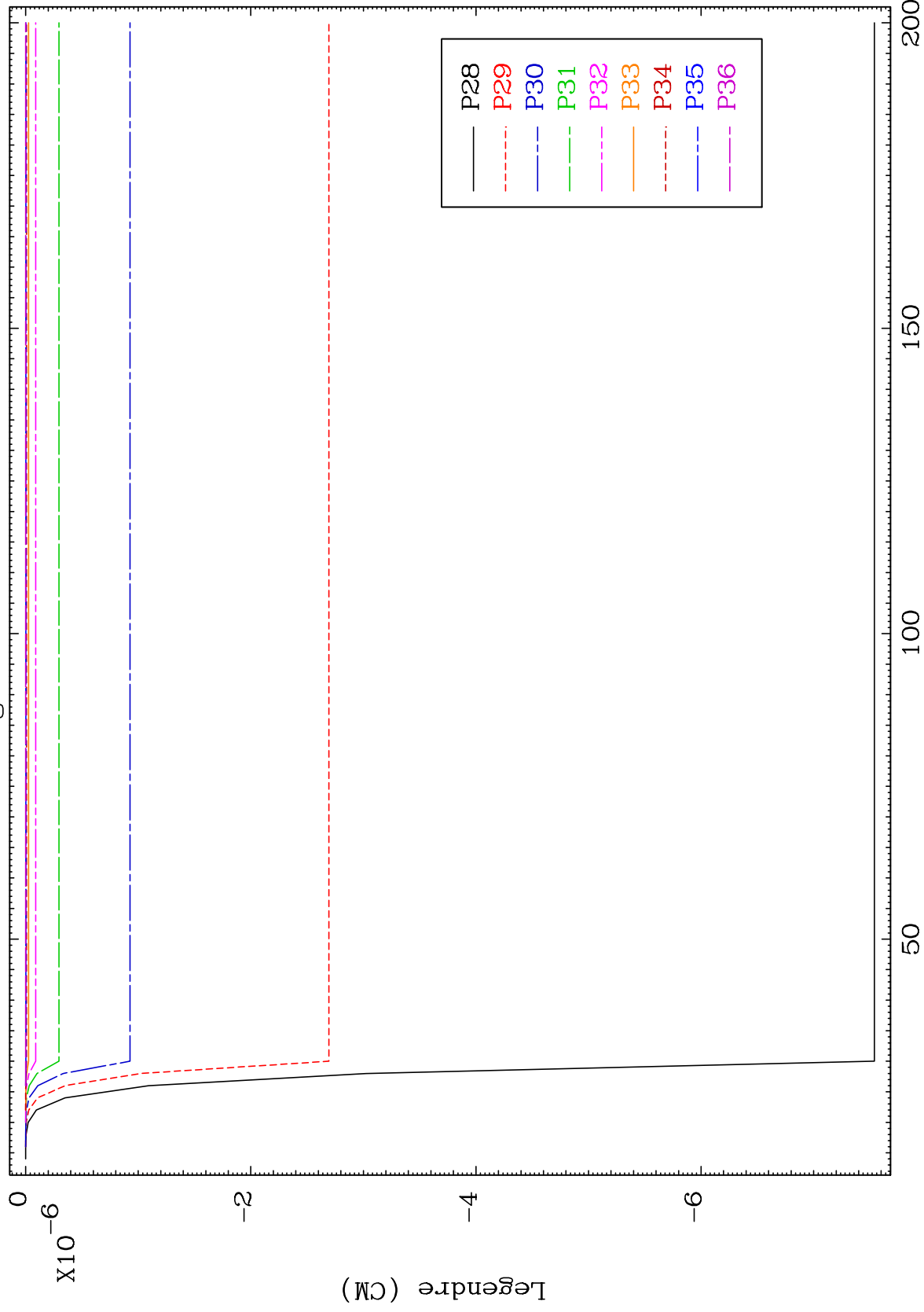
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



31

Incident Energy (MeV)

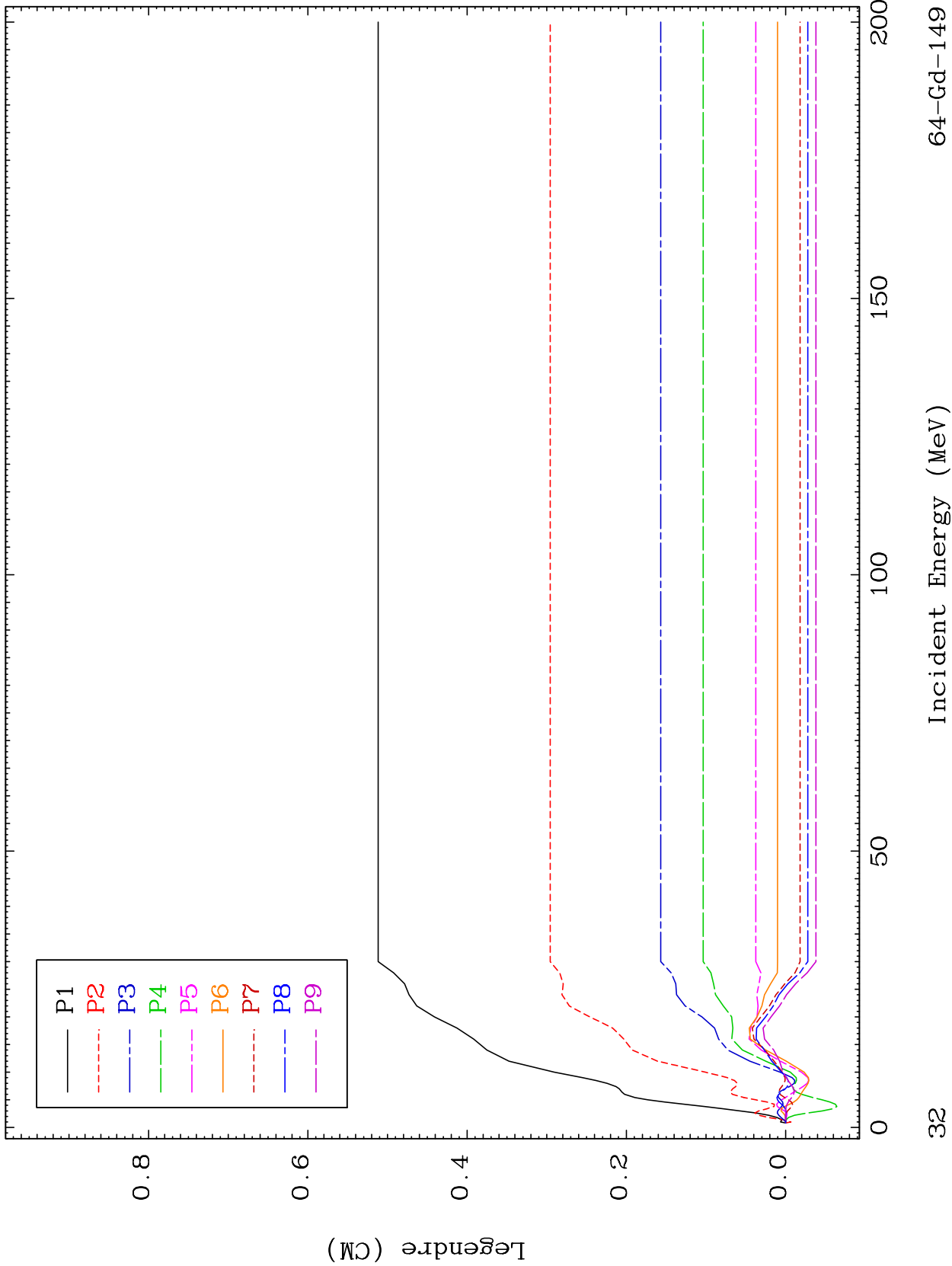
64-Gd-149



MAT 6416

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

64-Gd-149



32

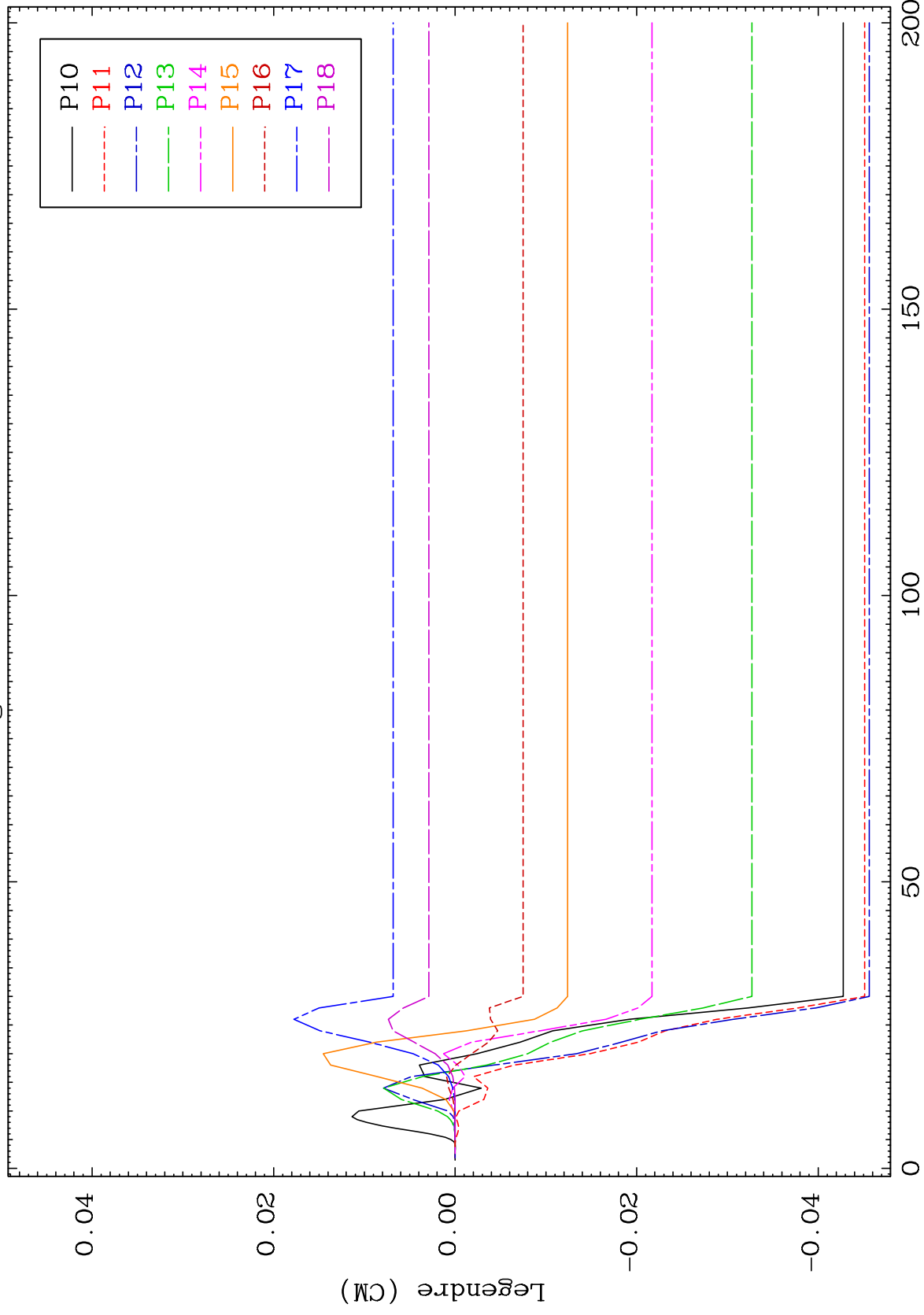
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



33

Incident Energy (MeV)

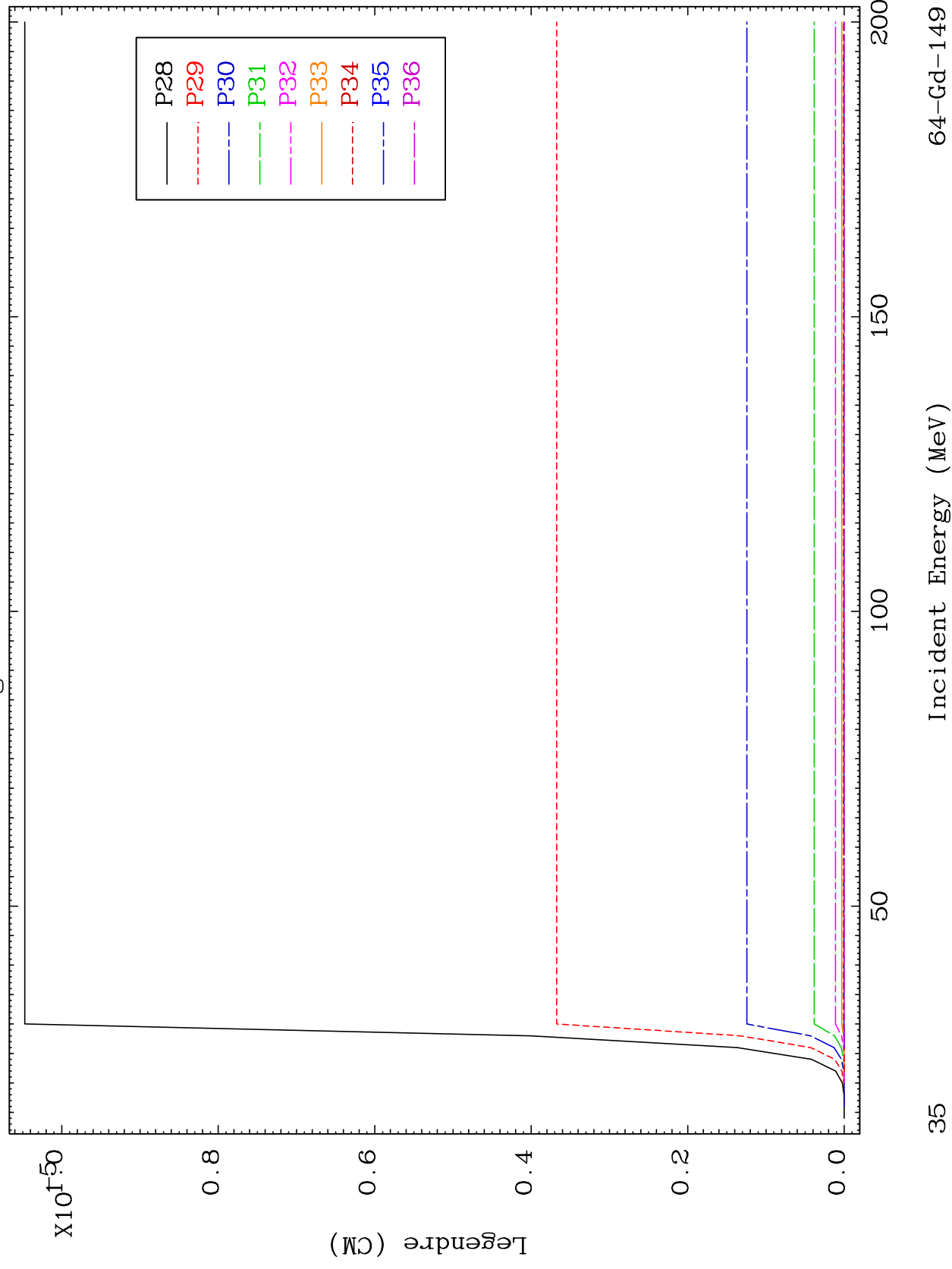
64-Gd-149



MAT 6416

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

64-Gd-149



35

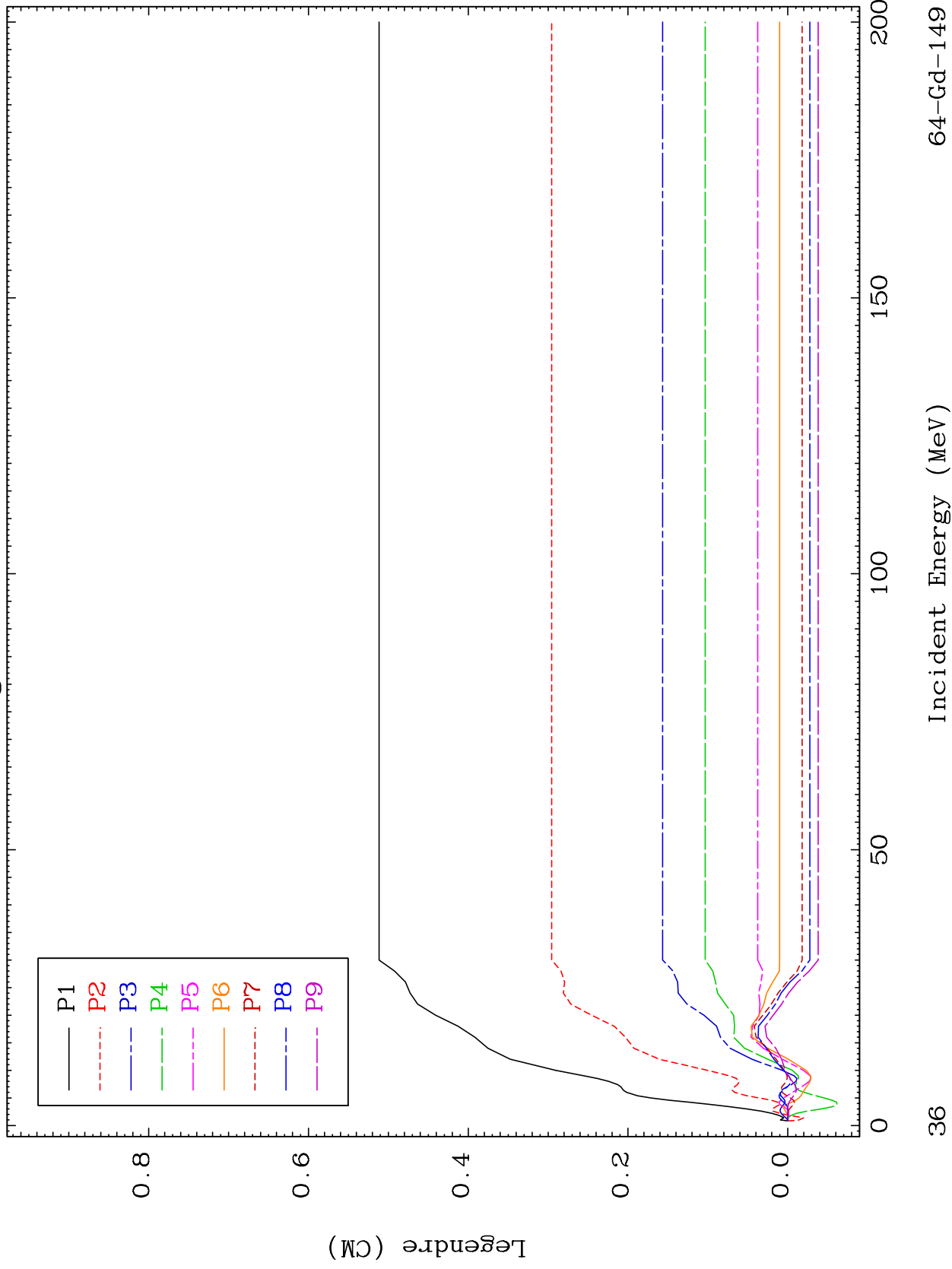
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



64-Gd-149

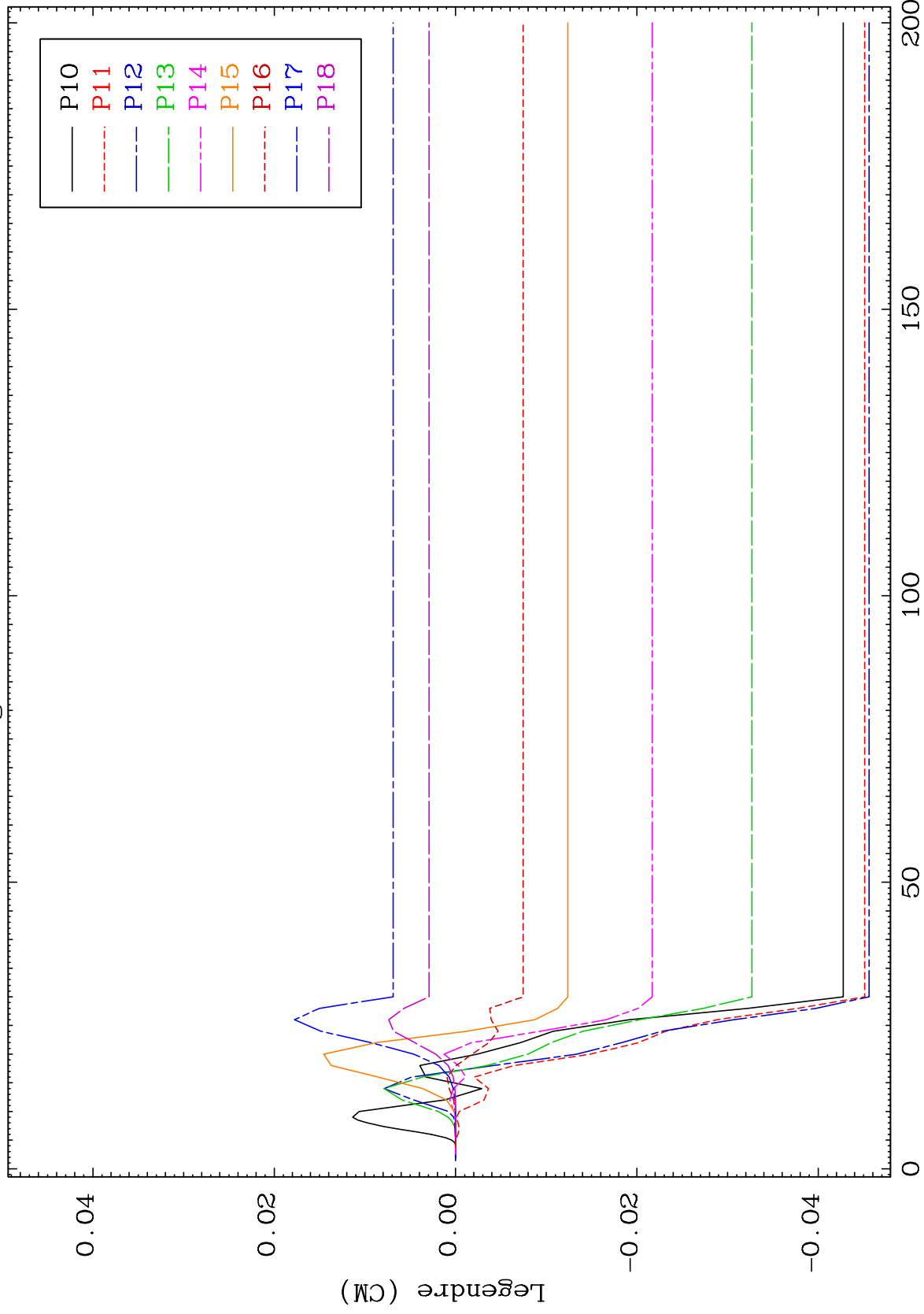
Incident Energy (MeV)

36

MAT 6416

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

64-Gd-149



37

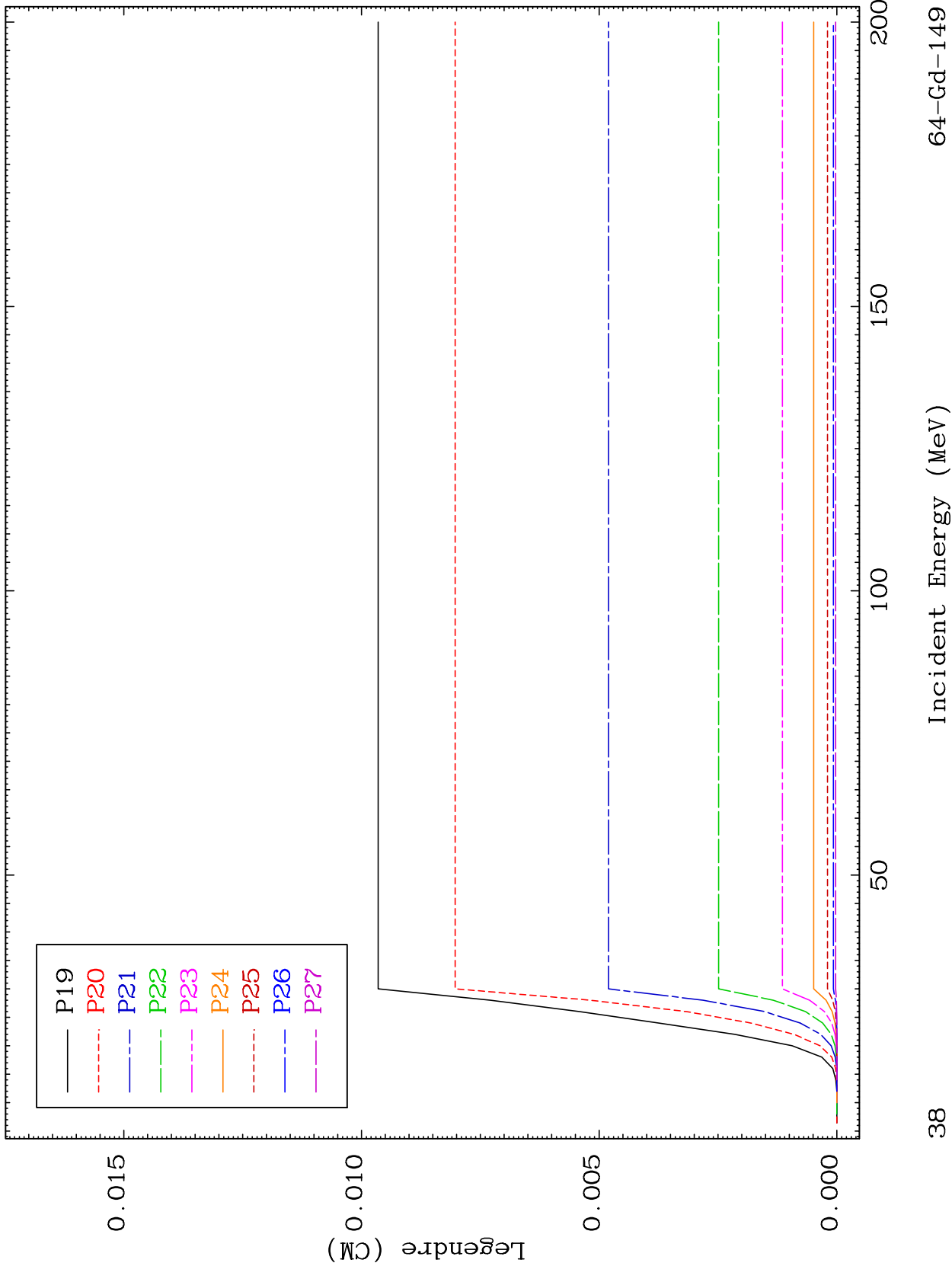
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



38

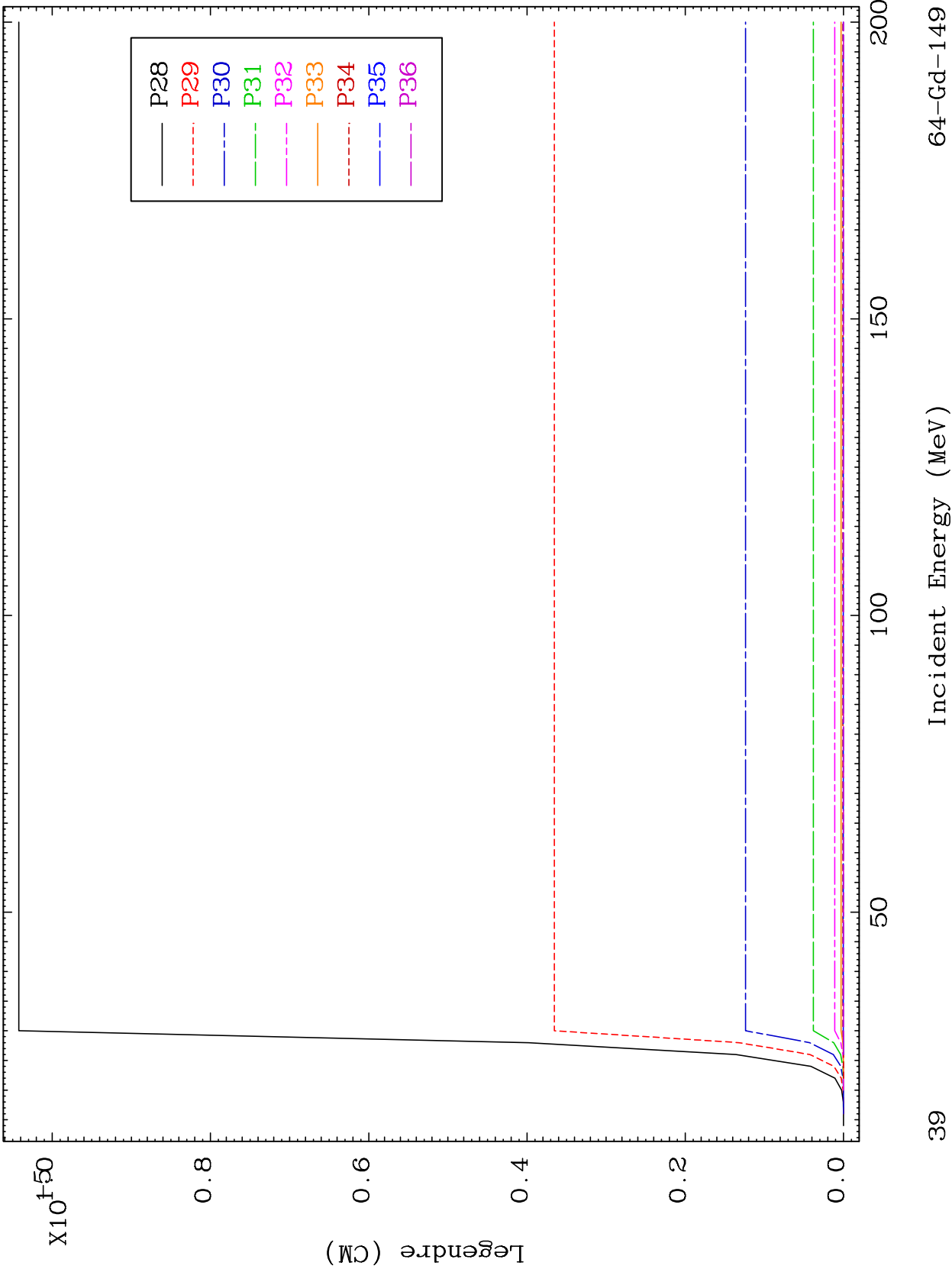
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



39

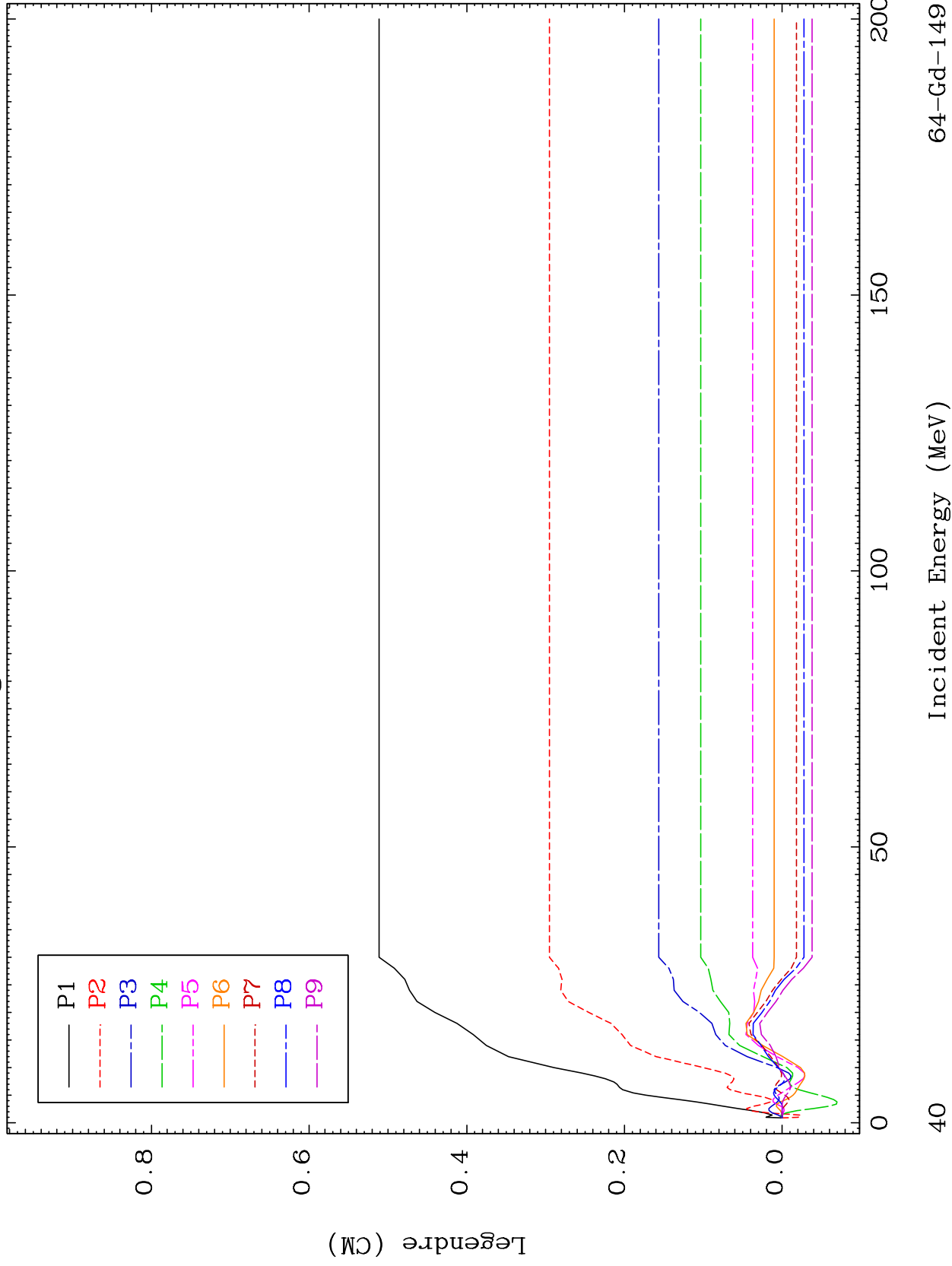
64-Gd-149



MAT 6416

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

64-Gd-149

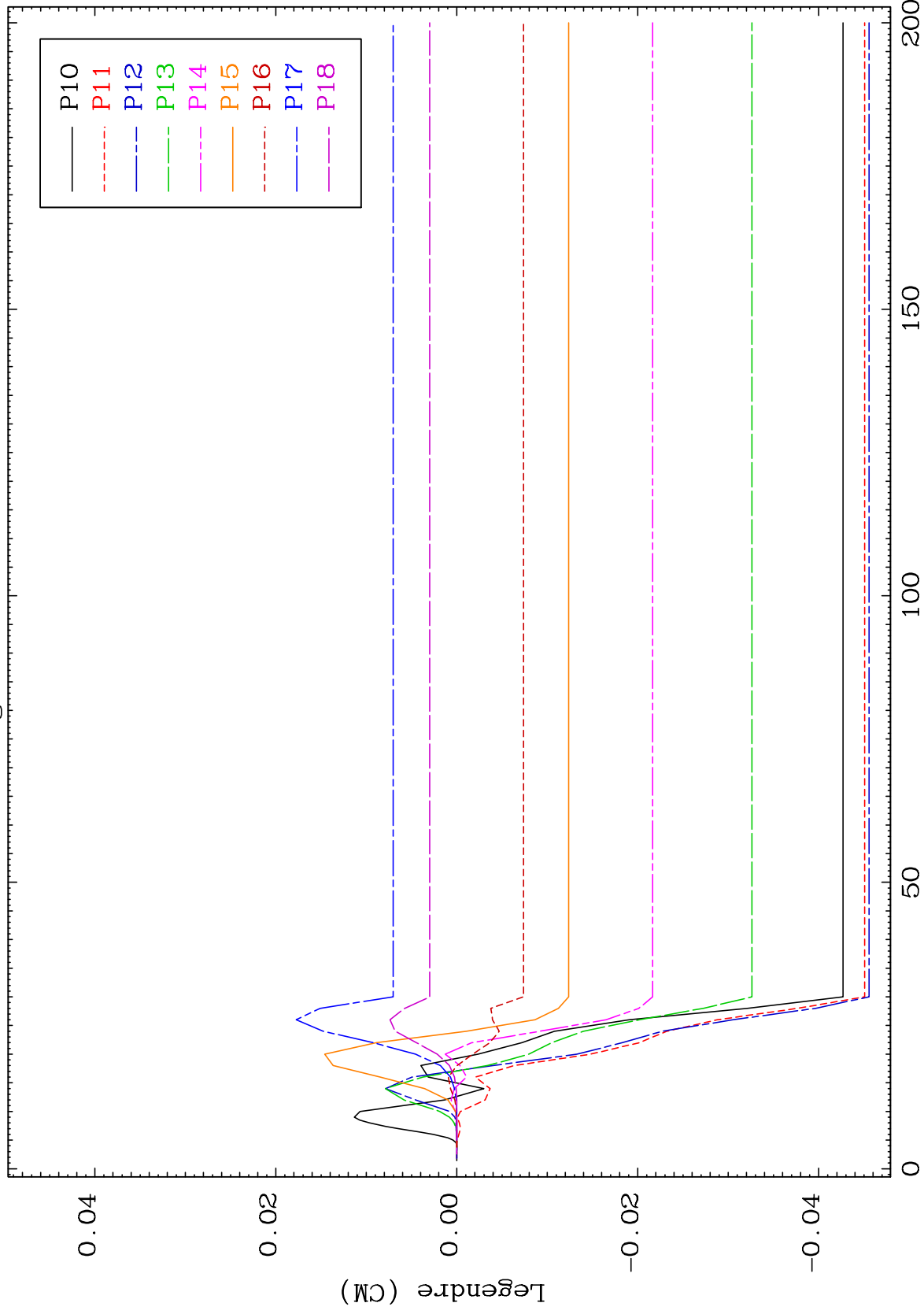


64-Gd-149

MAT 6416

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

64-Gd-149



41

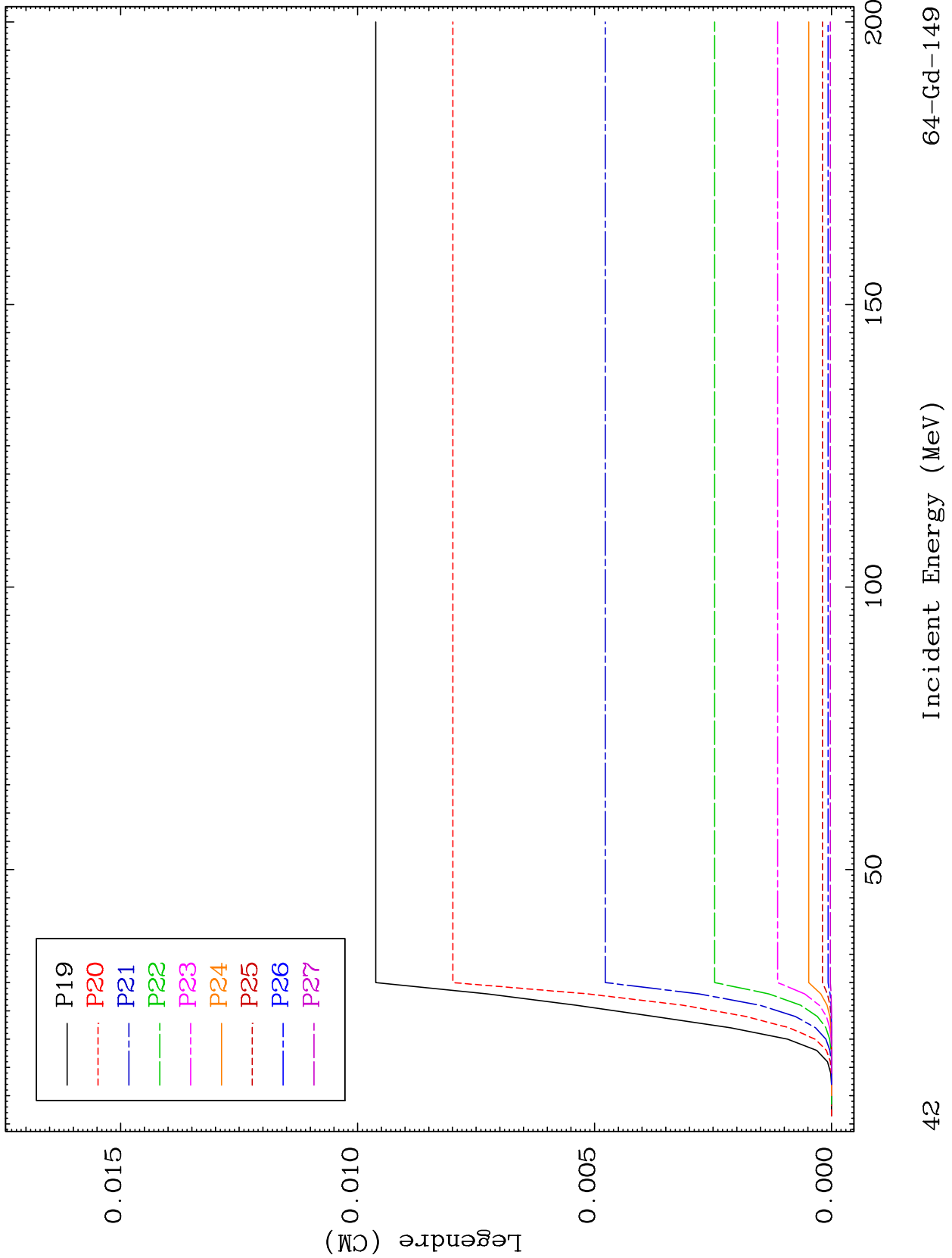
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

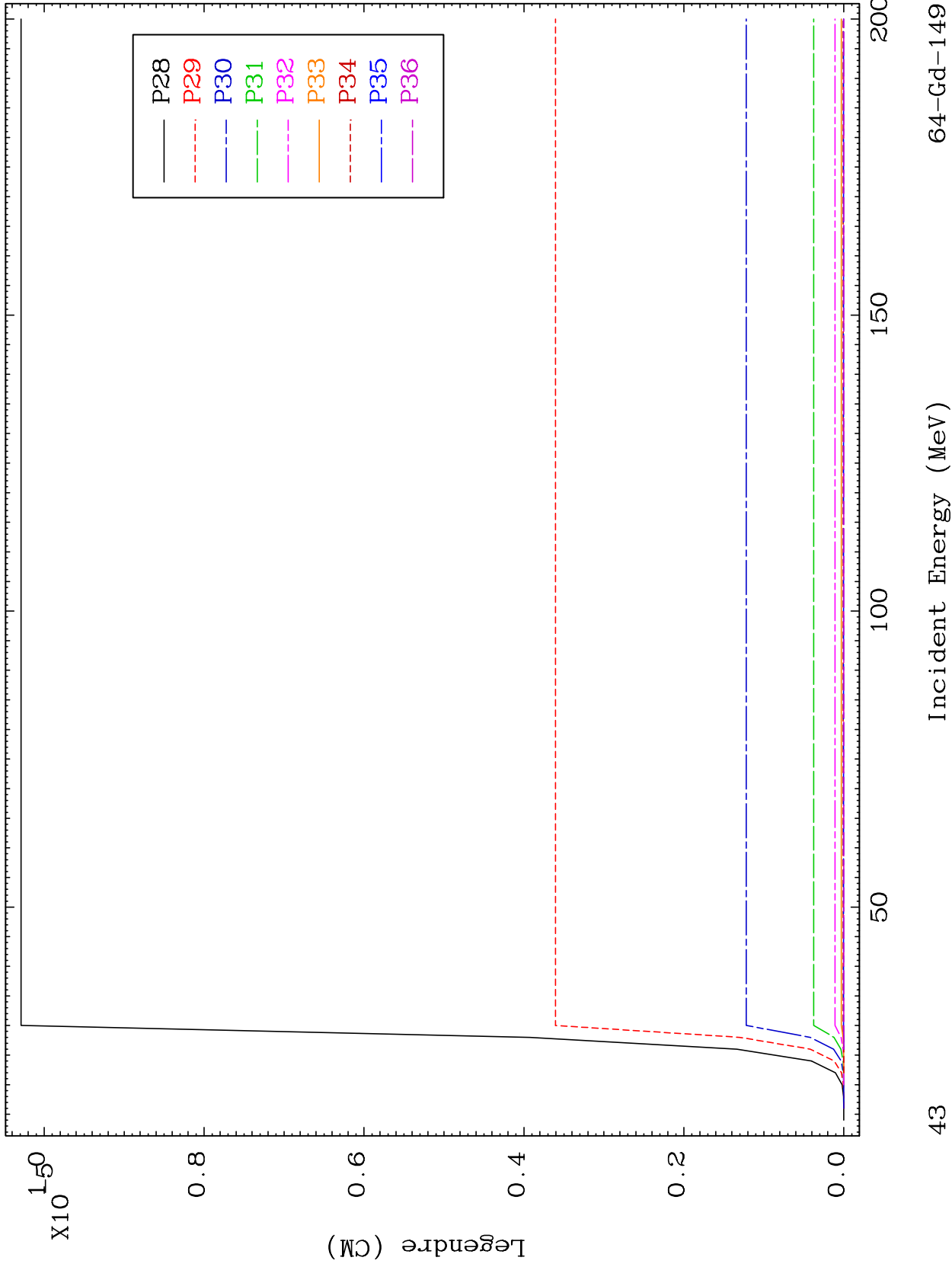
64-Gd-149



MAT 6416

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

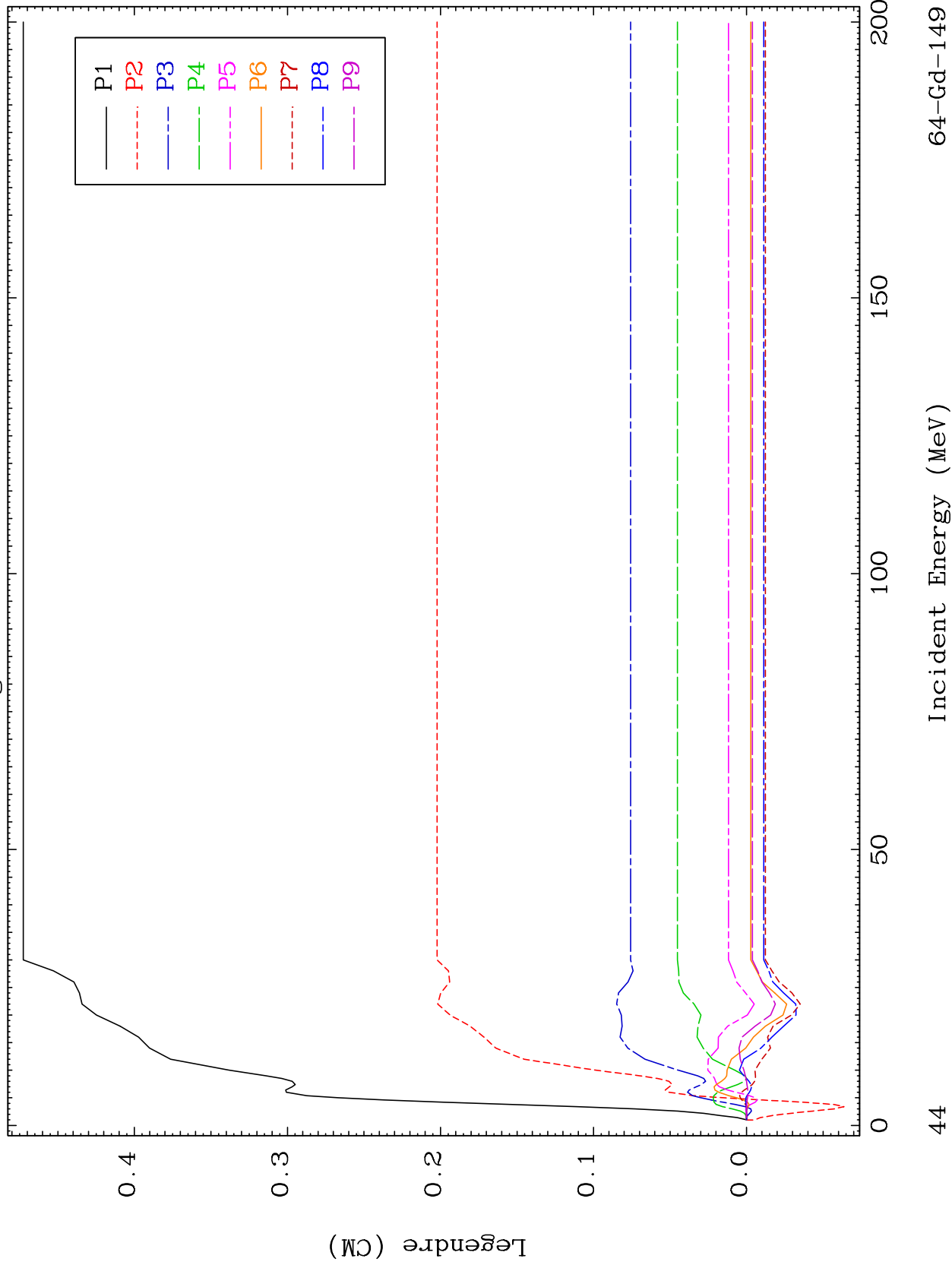
64-Gd-149



MAT 6416

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

64-Gd-149



64-Gd-149

Incident Energy (MeV)

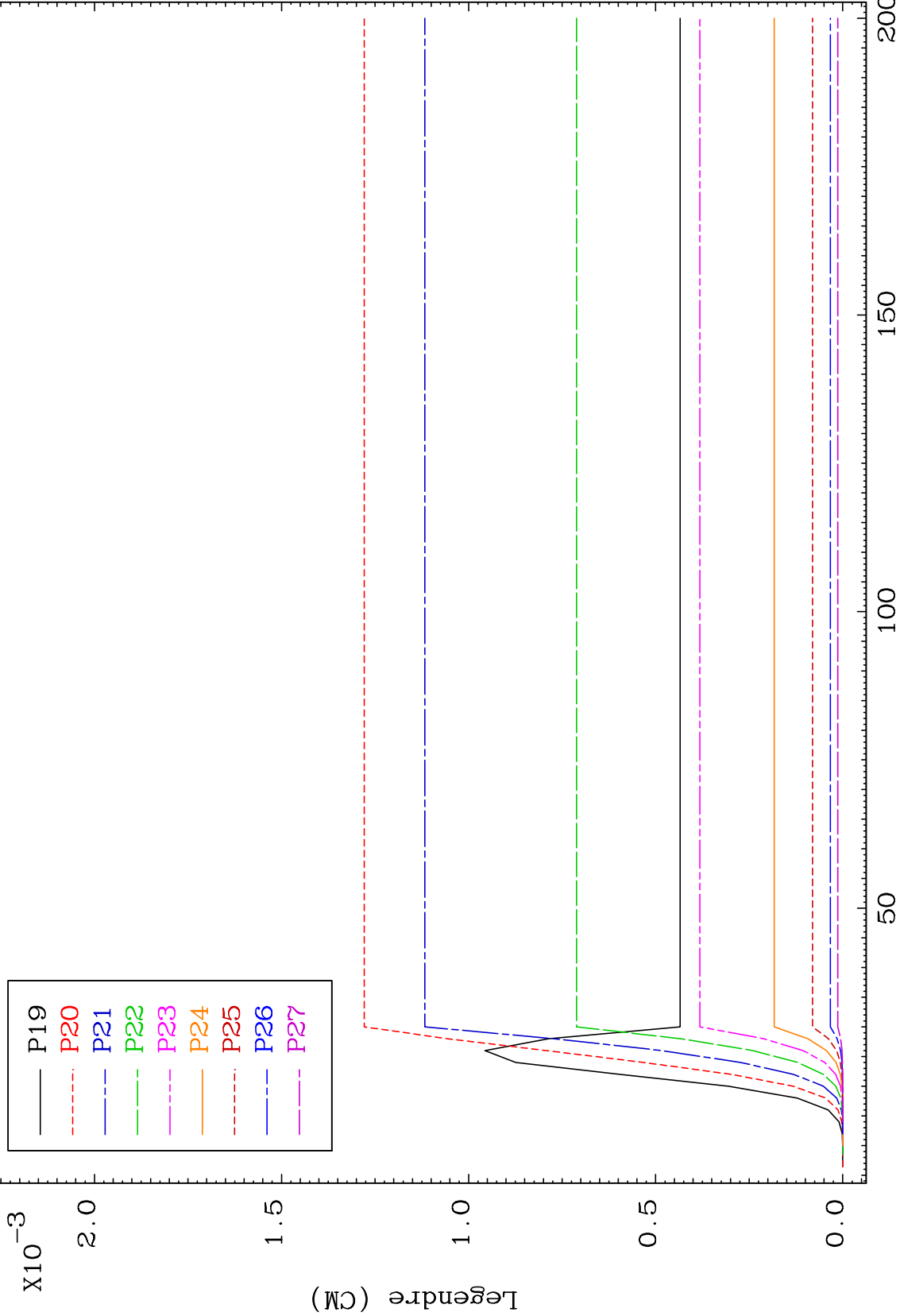
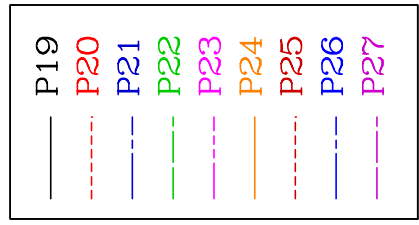
44



MAT 6416

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

64-Gd-149



46

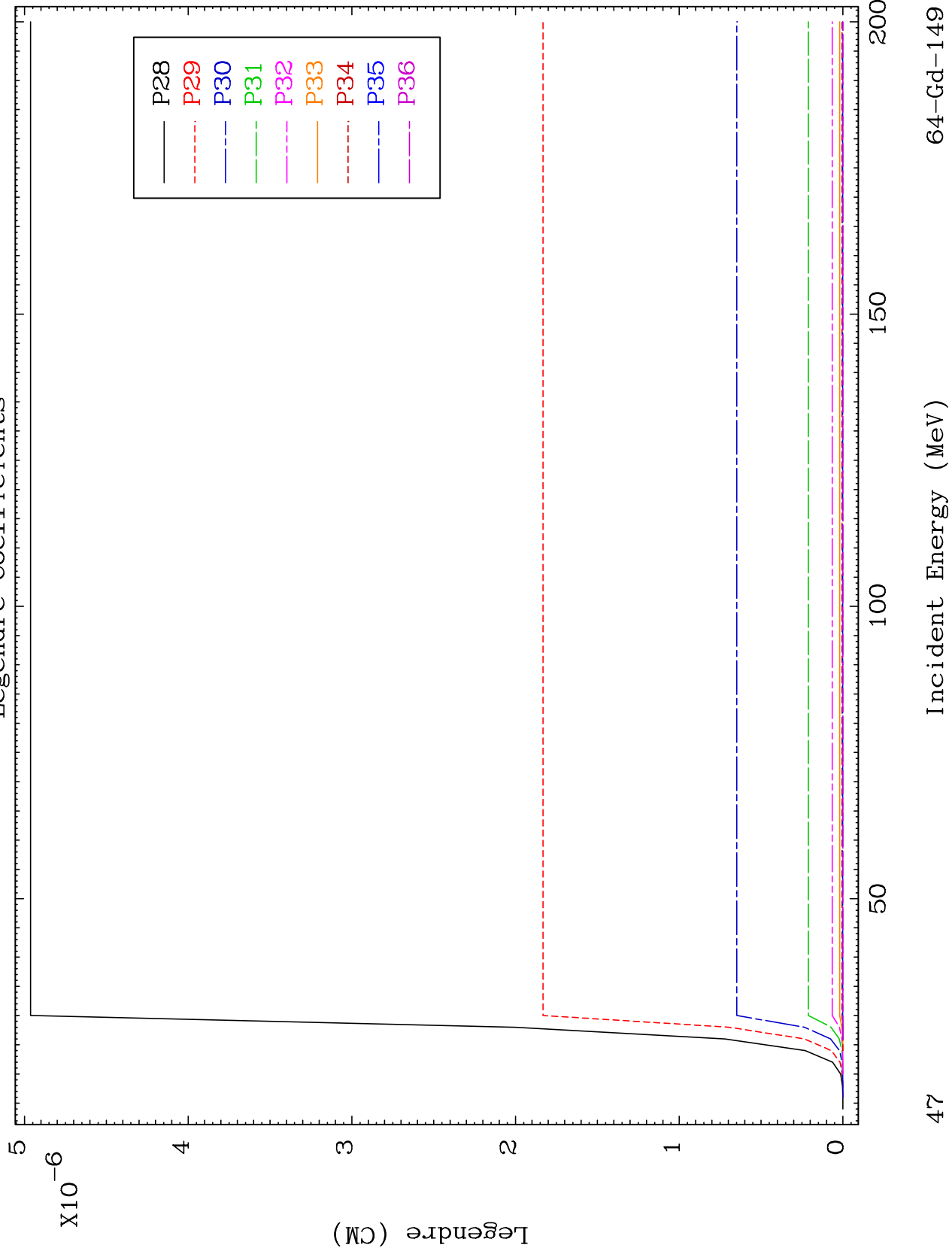
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149

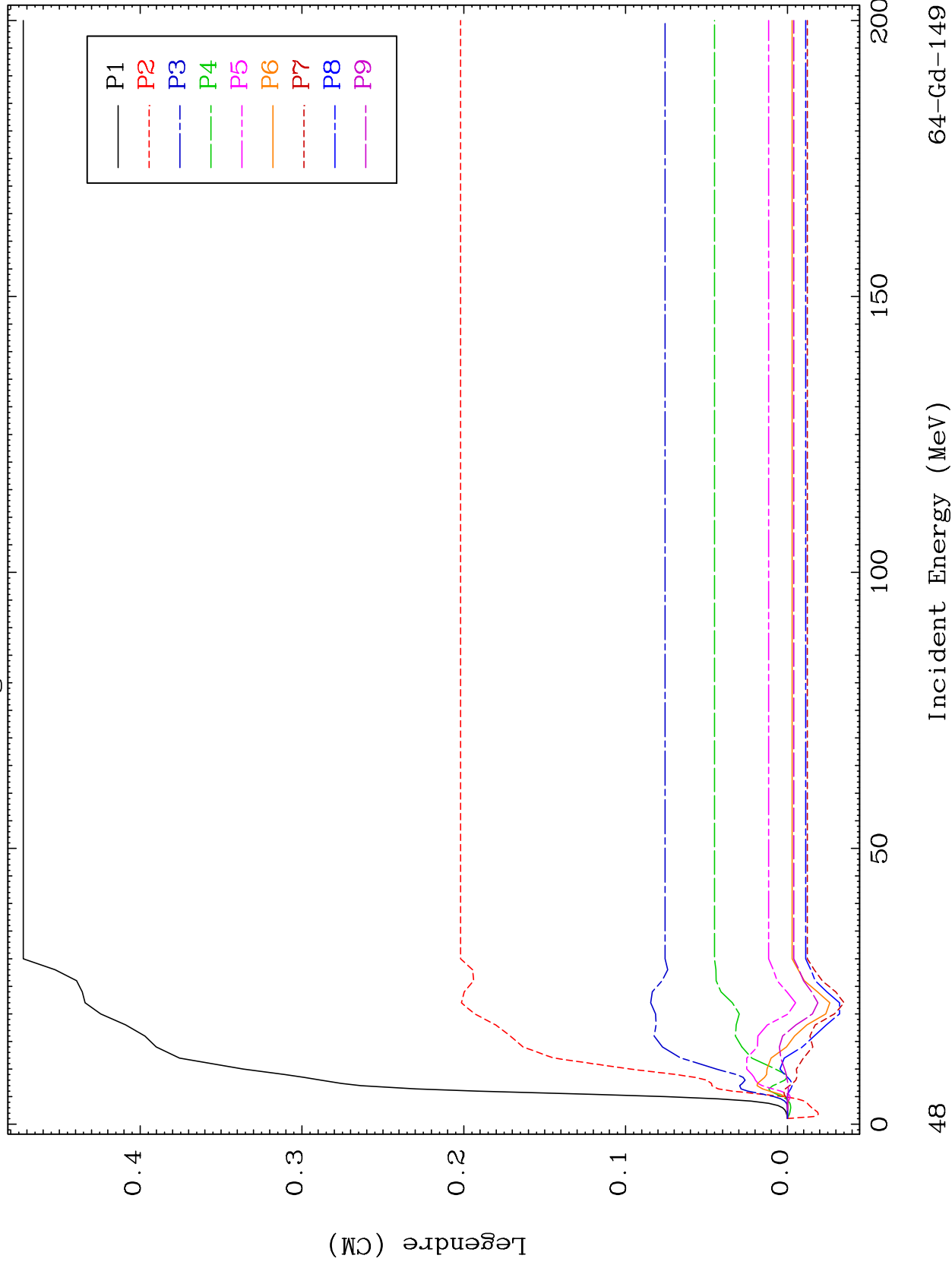




MAT 6416

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

64-Gd-149



64-Gd-149

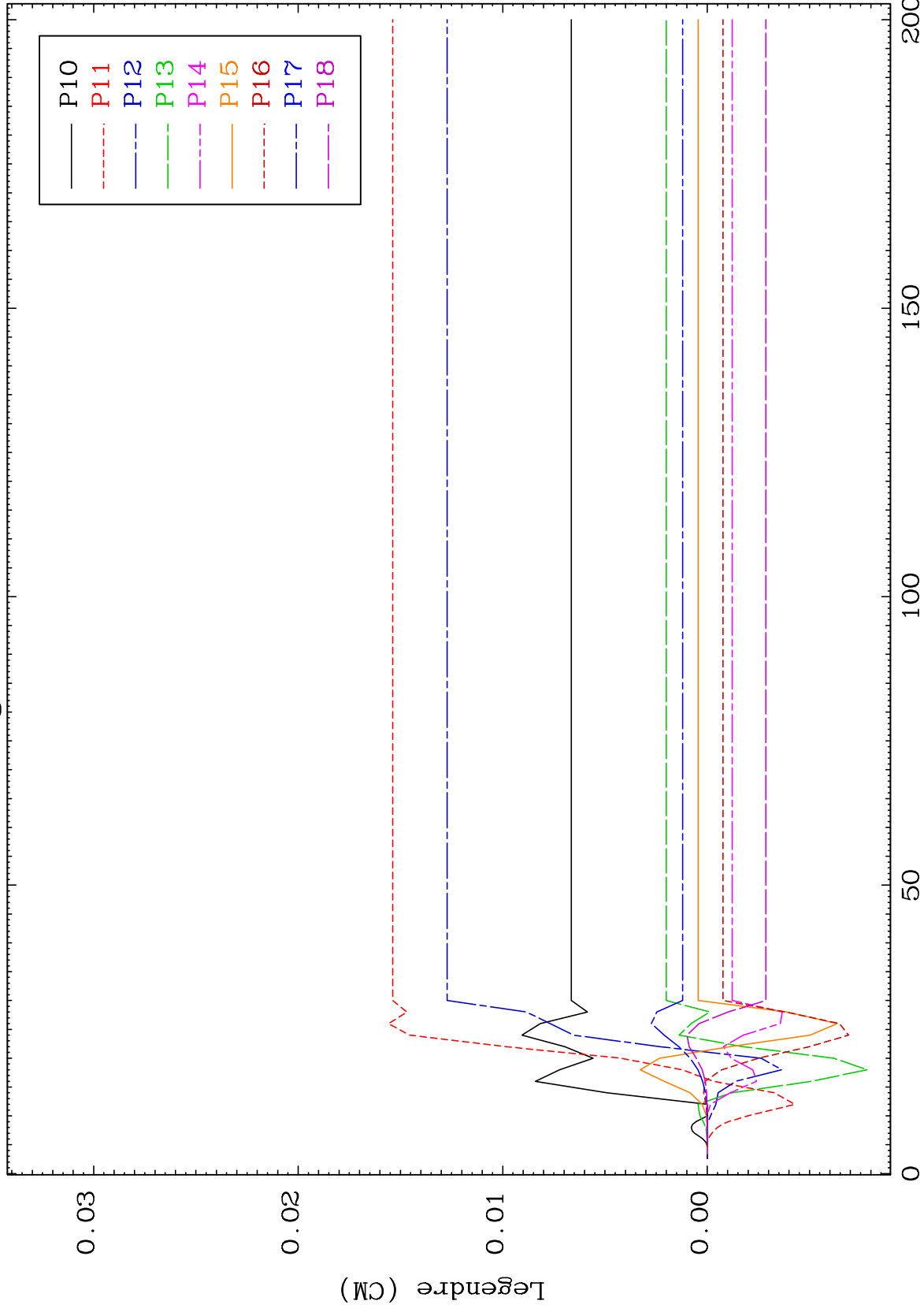
Incident Energy (MeV)

48

MAT 6416

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

64-Gd-149



49

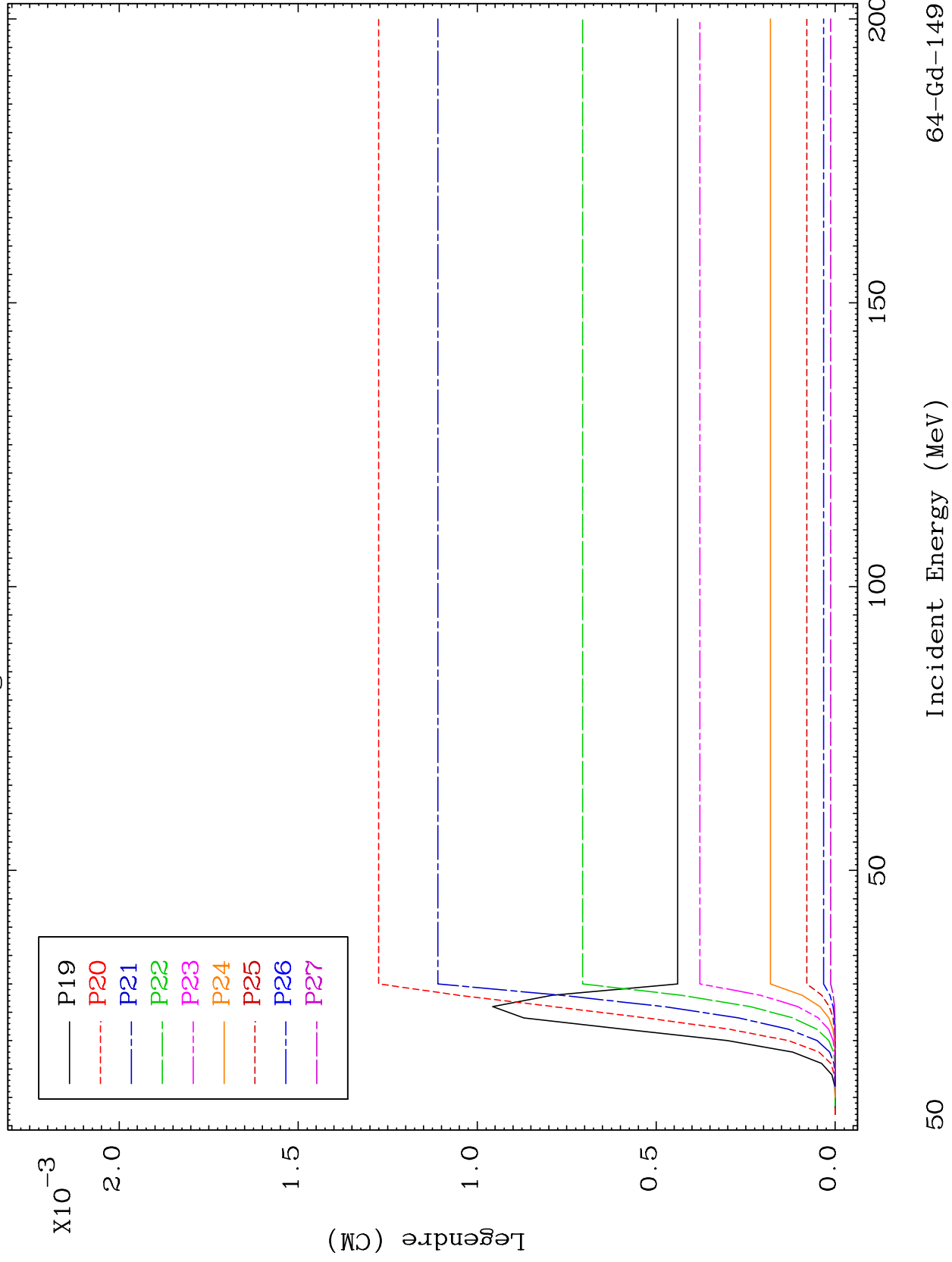
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

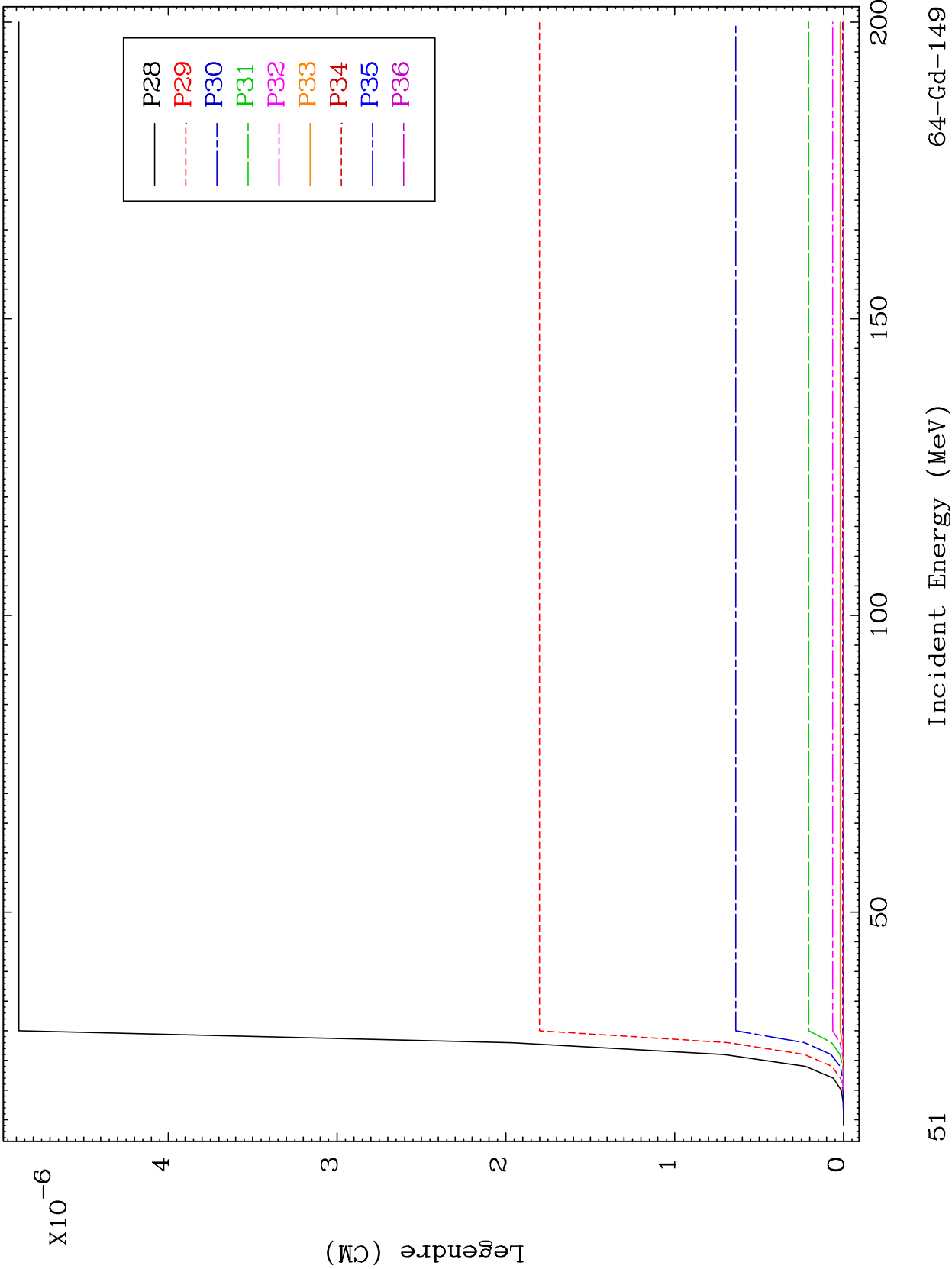
64-Gd-149



MAT 6416

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

64-Gd-149



51

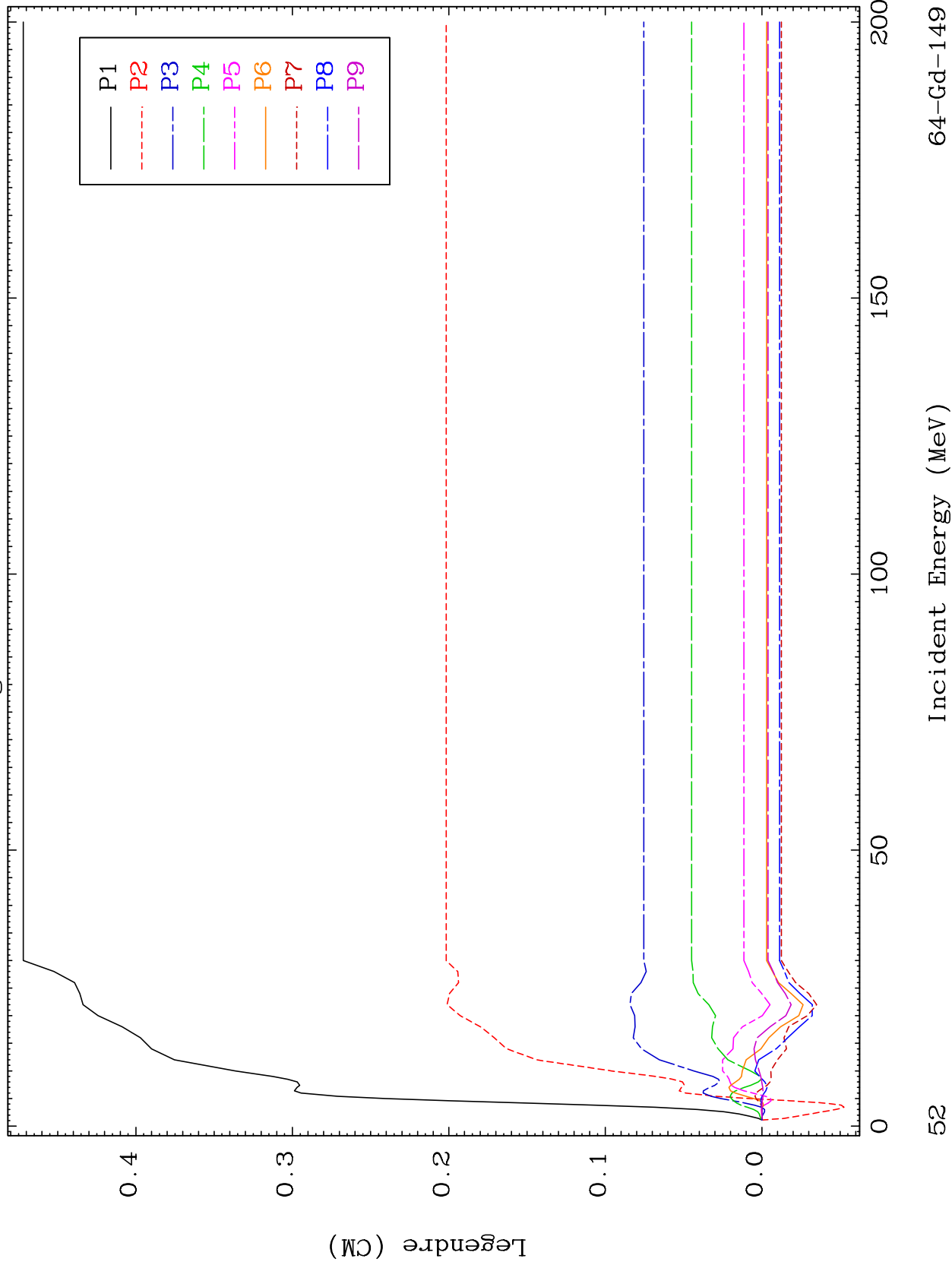
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

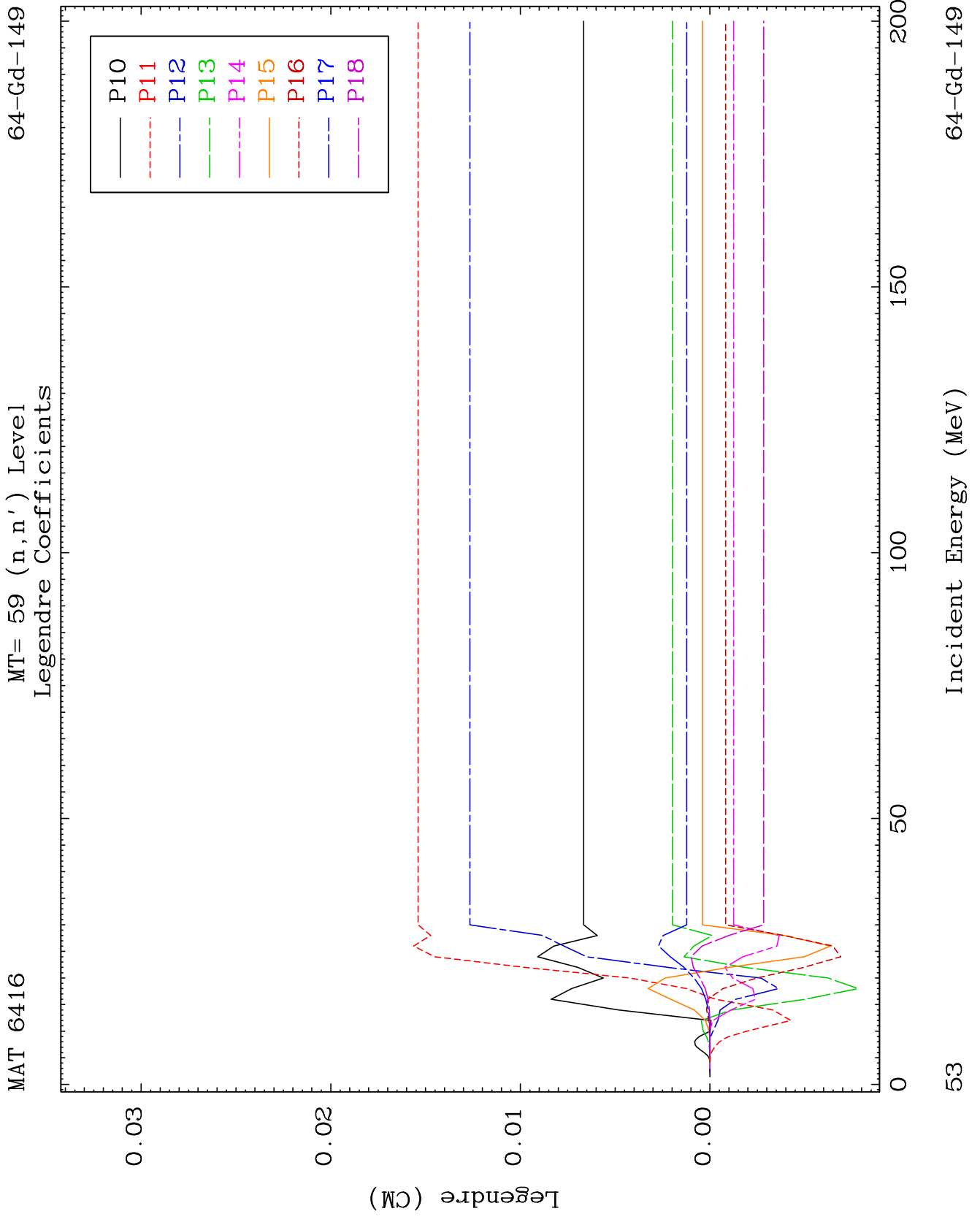
64-Gd-149



64-Gd-149

Incident Energy (MeV)

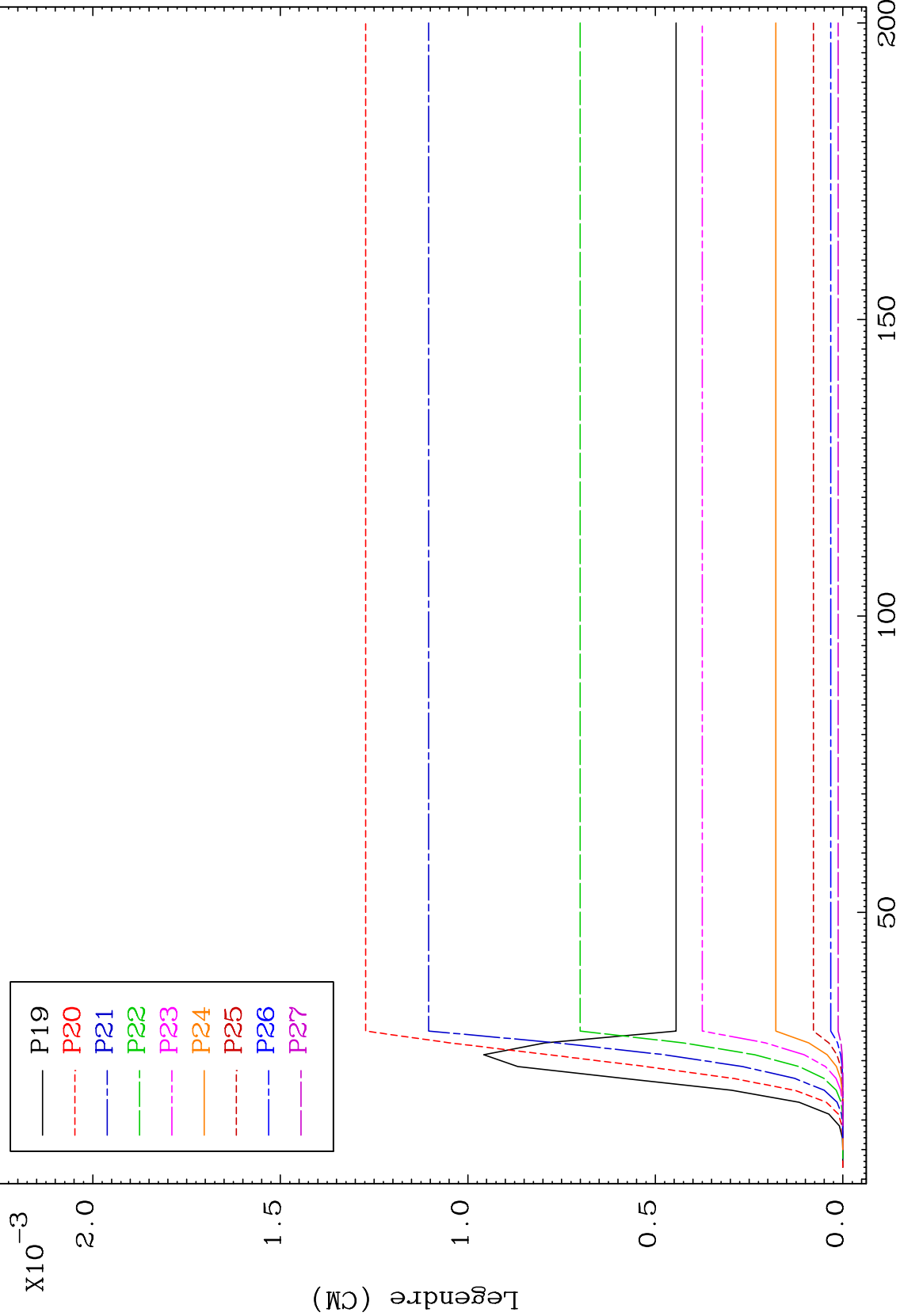
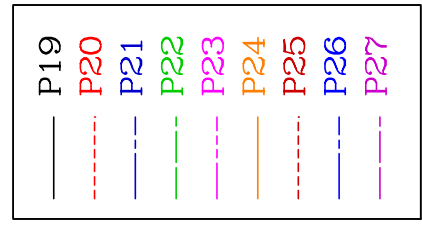
52



MAT 6416

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

64-Gd-149



54

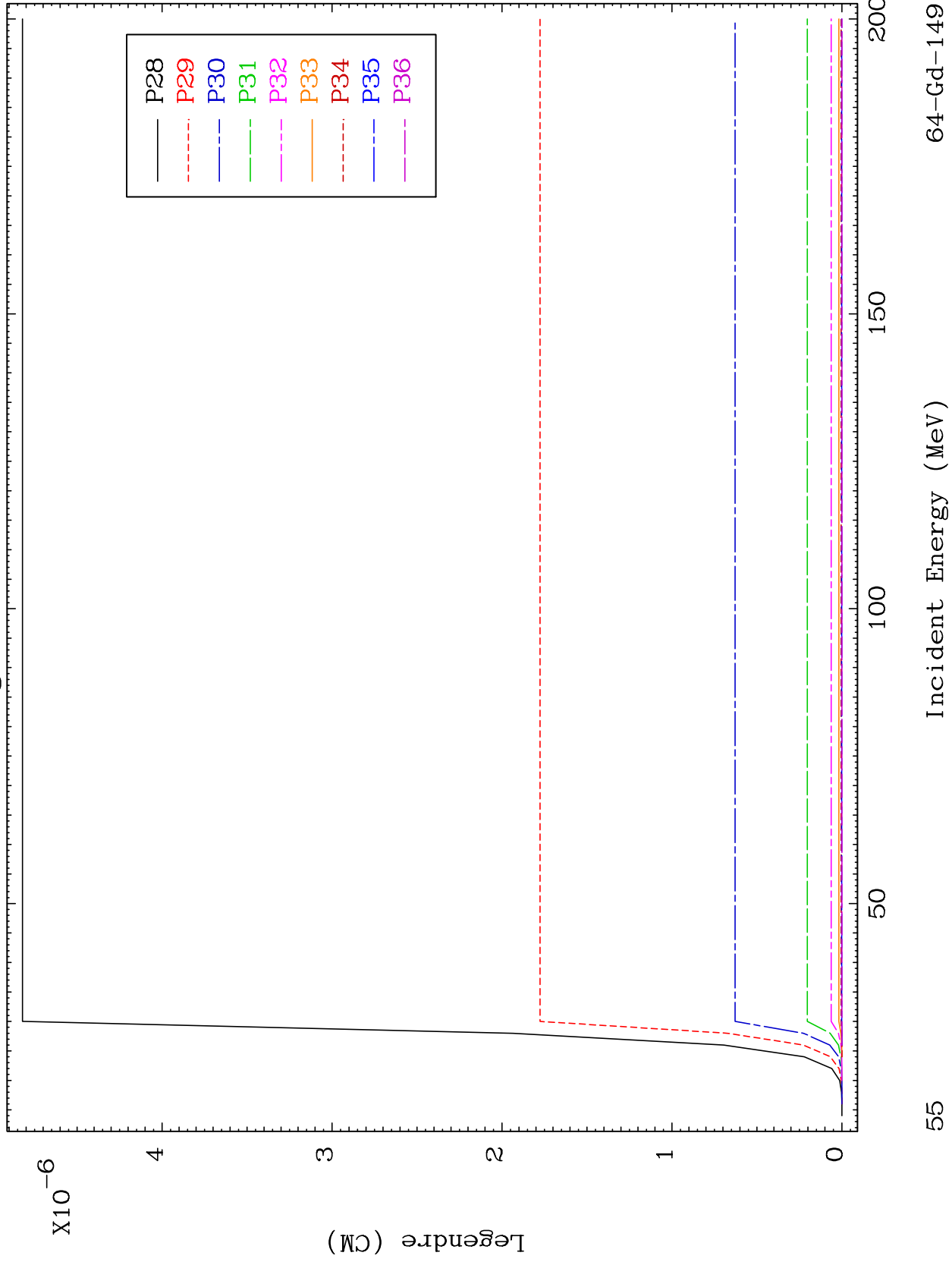
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149

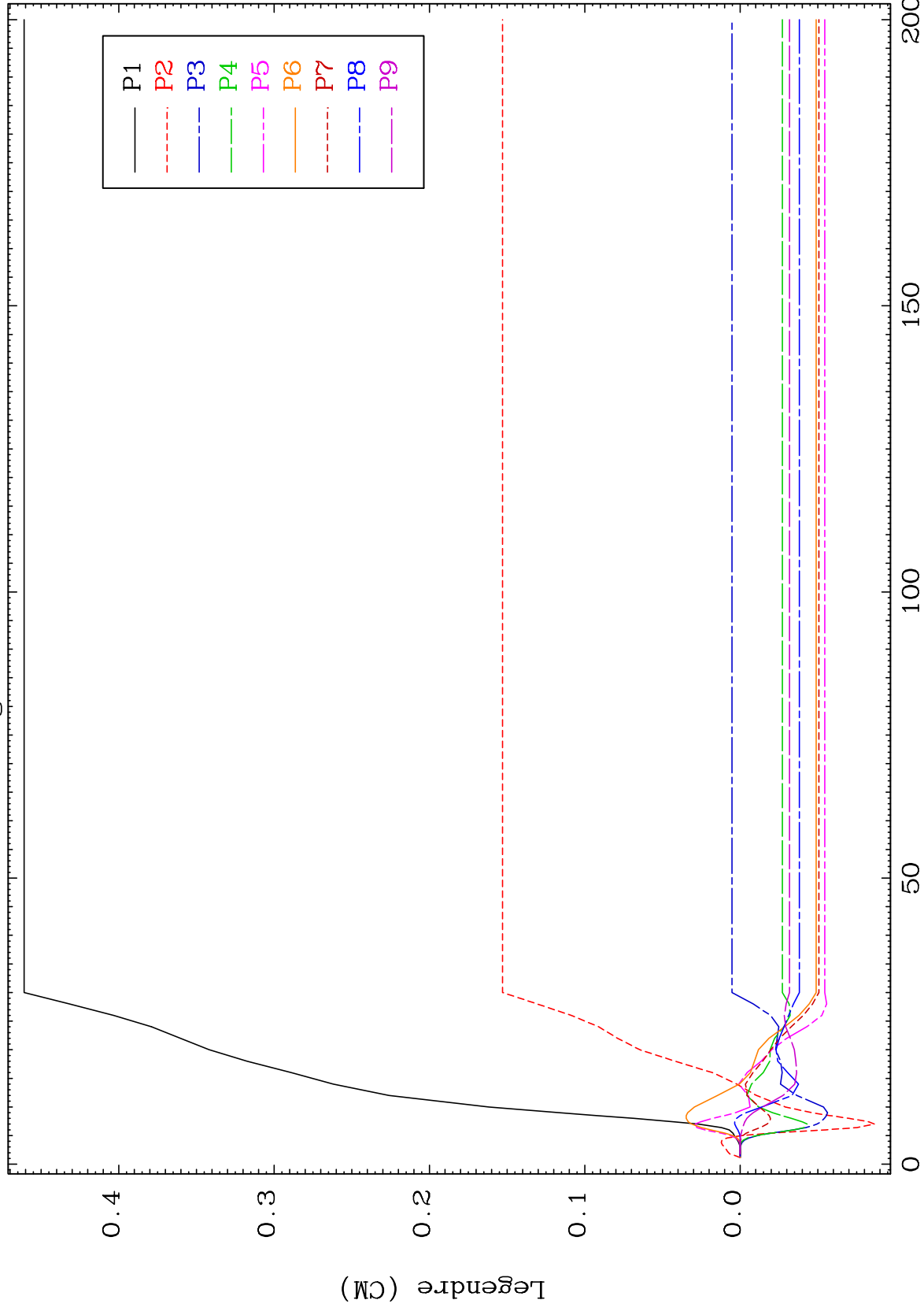




MAT 6416

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

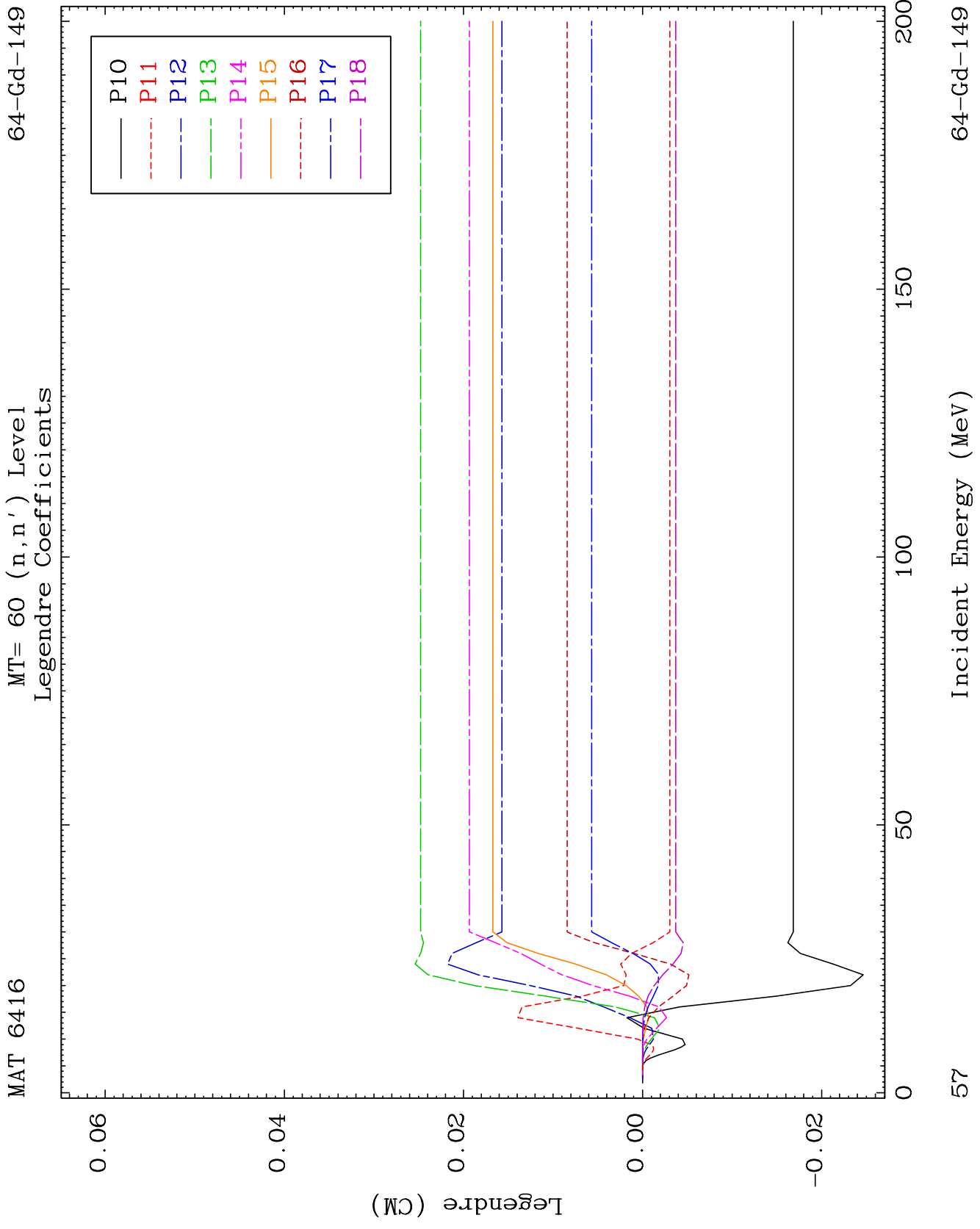
64-Gd-149



56

Incident Energy (MeV)

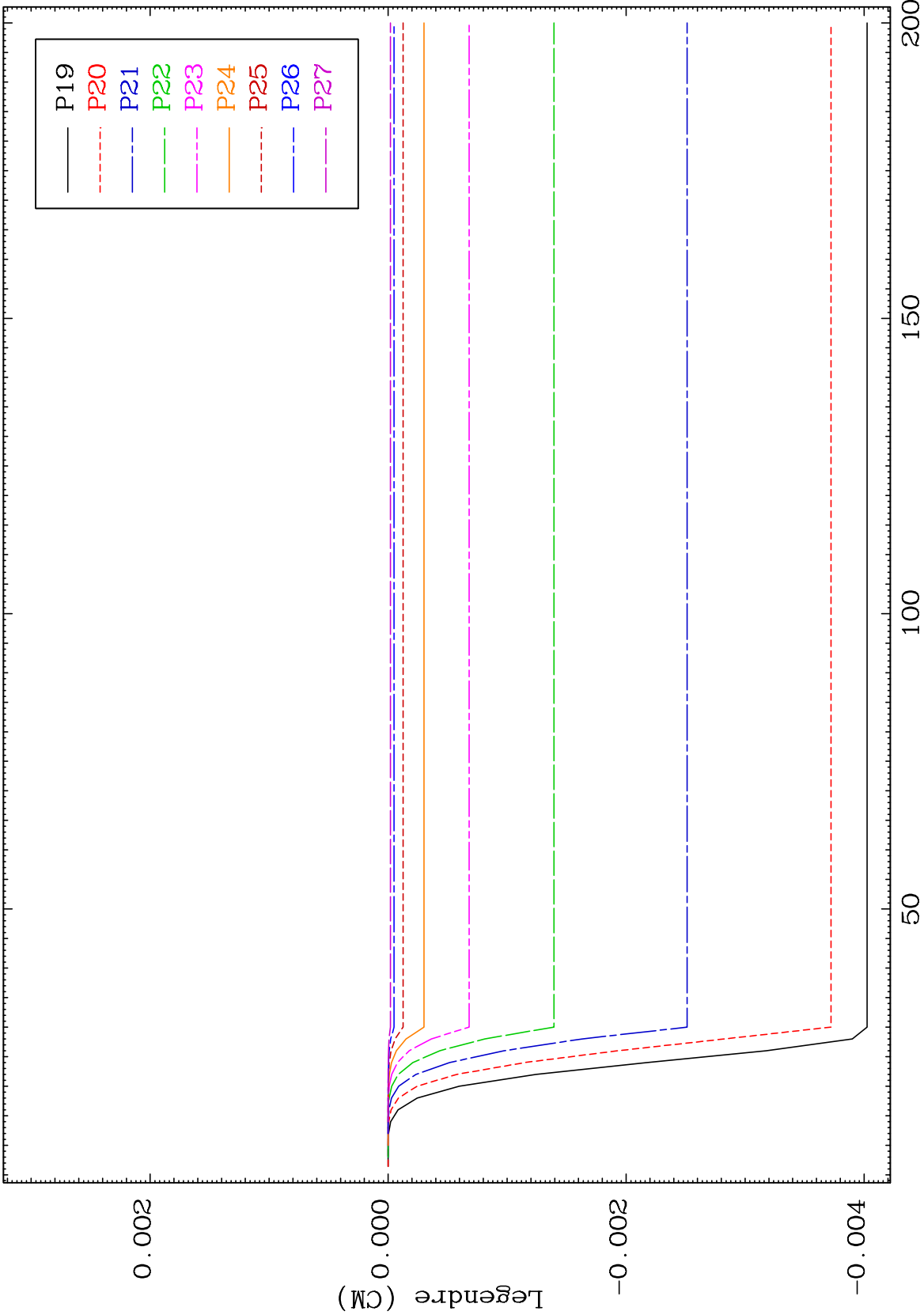
64-Gd-149



MAT 6416

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

64-Gd-149



58

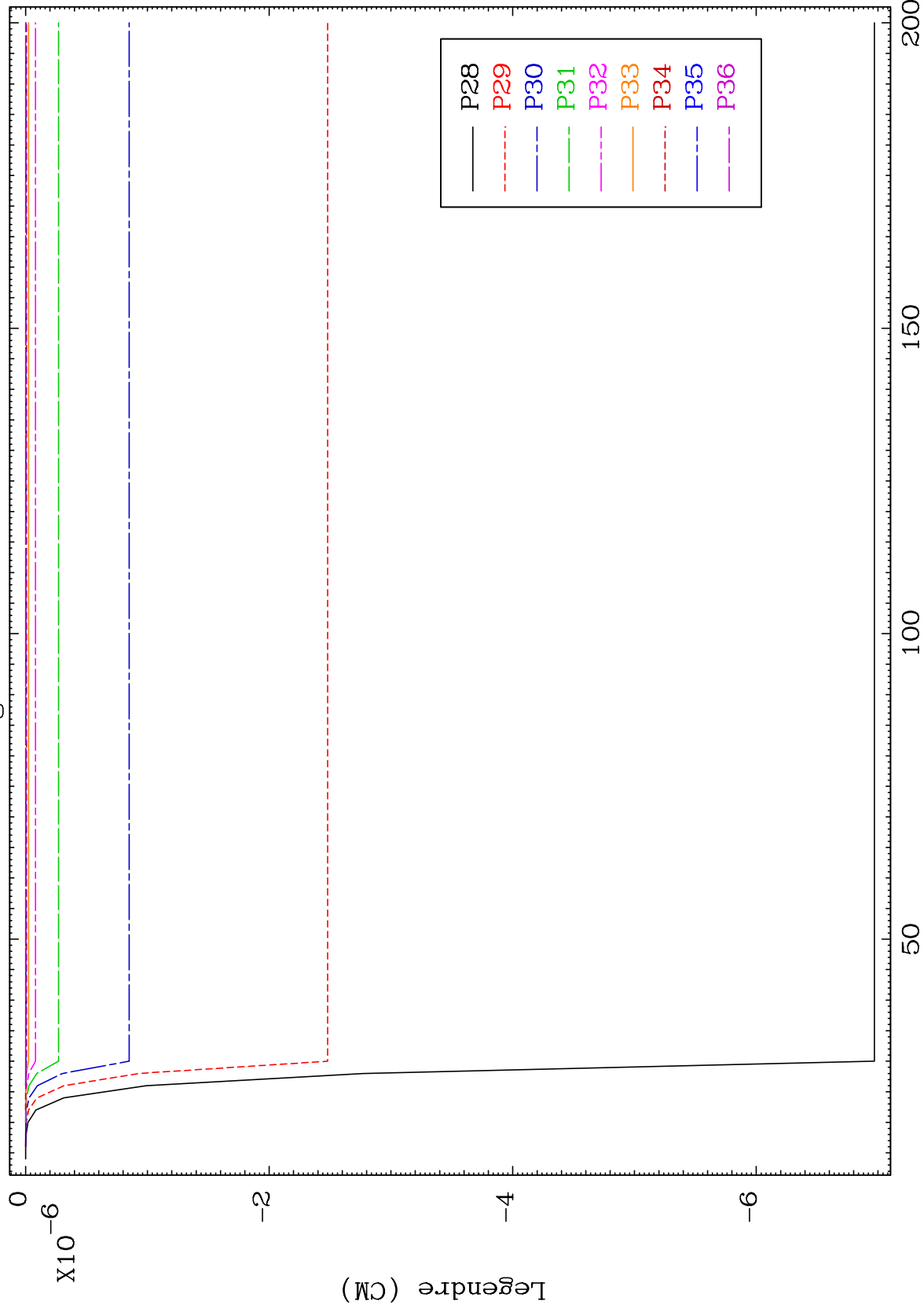
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



59

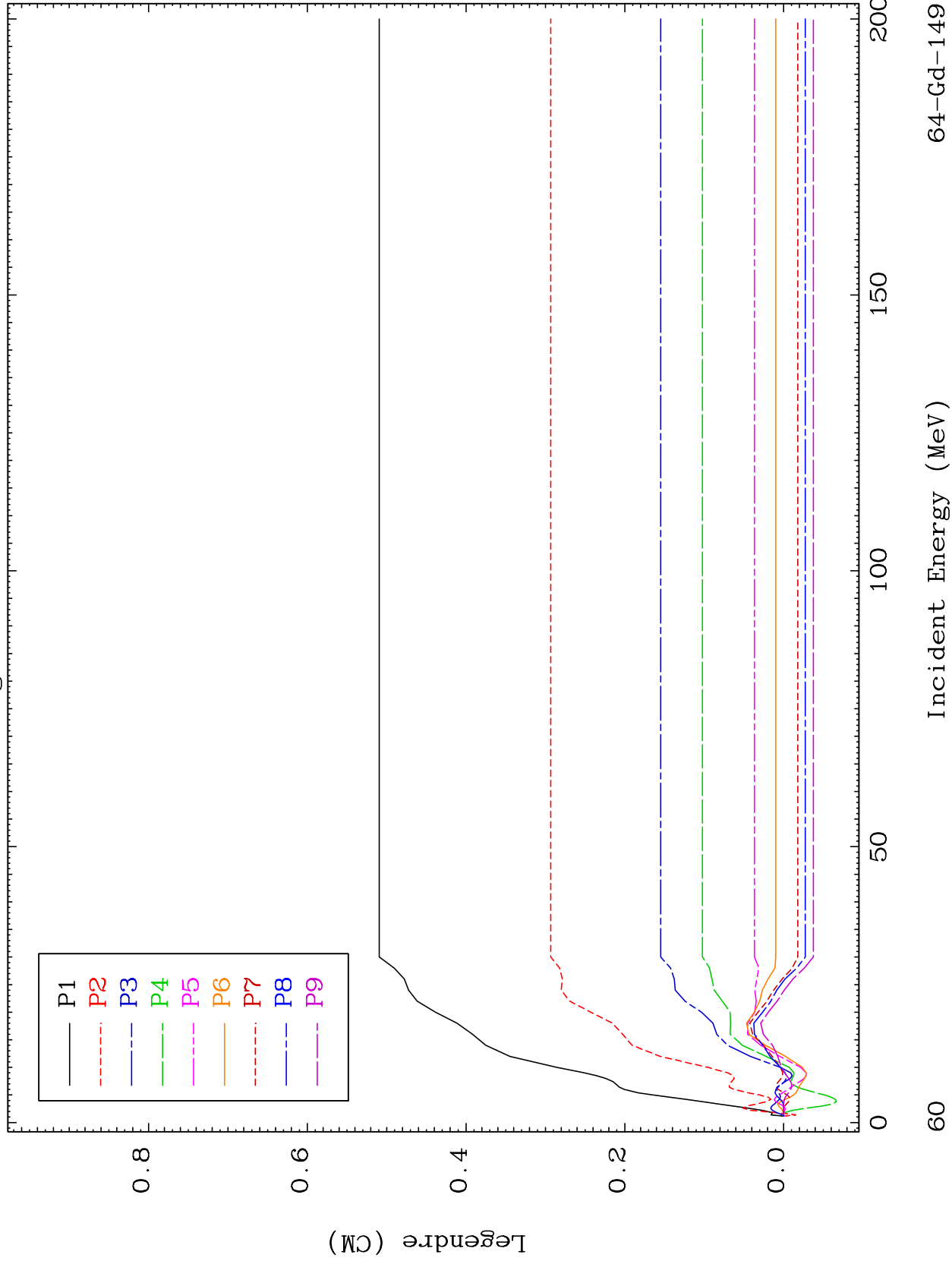
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149

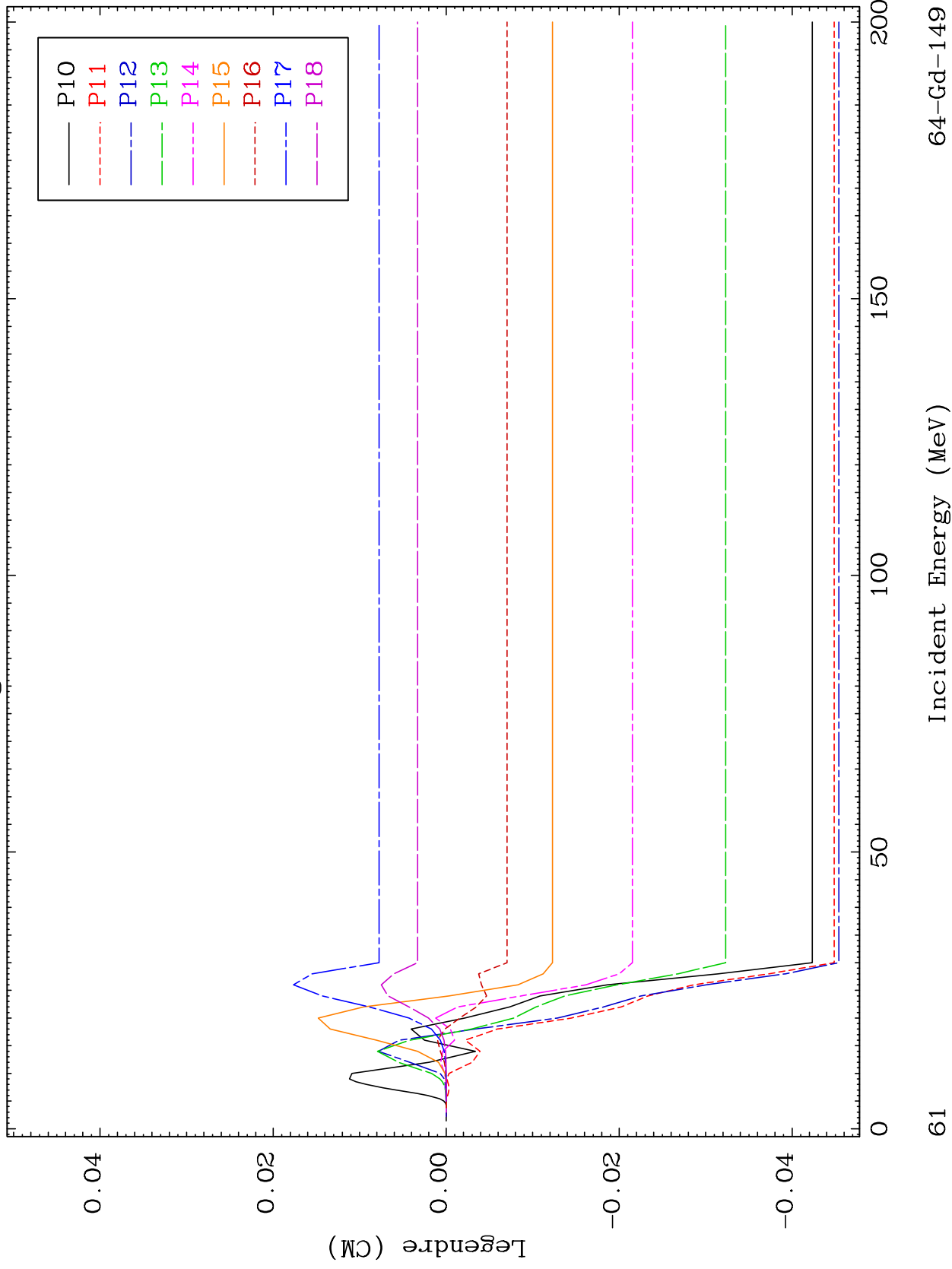


64-Gd-149

MAT 6416

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

64-Gd-149



61

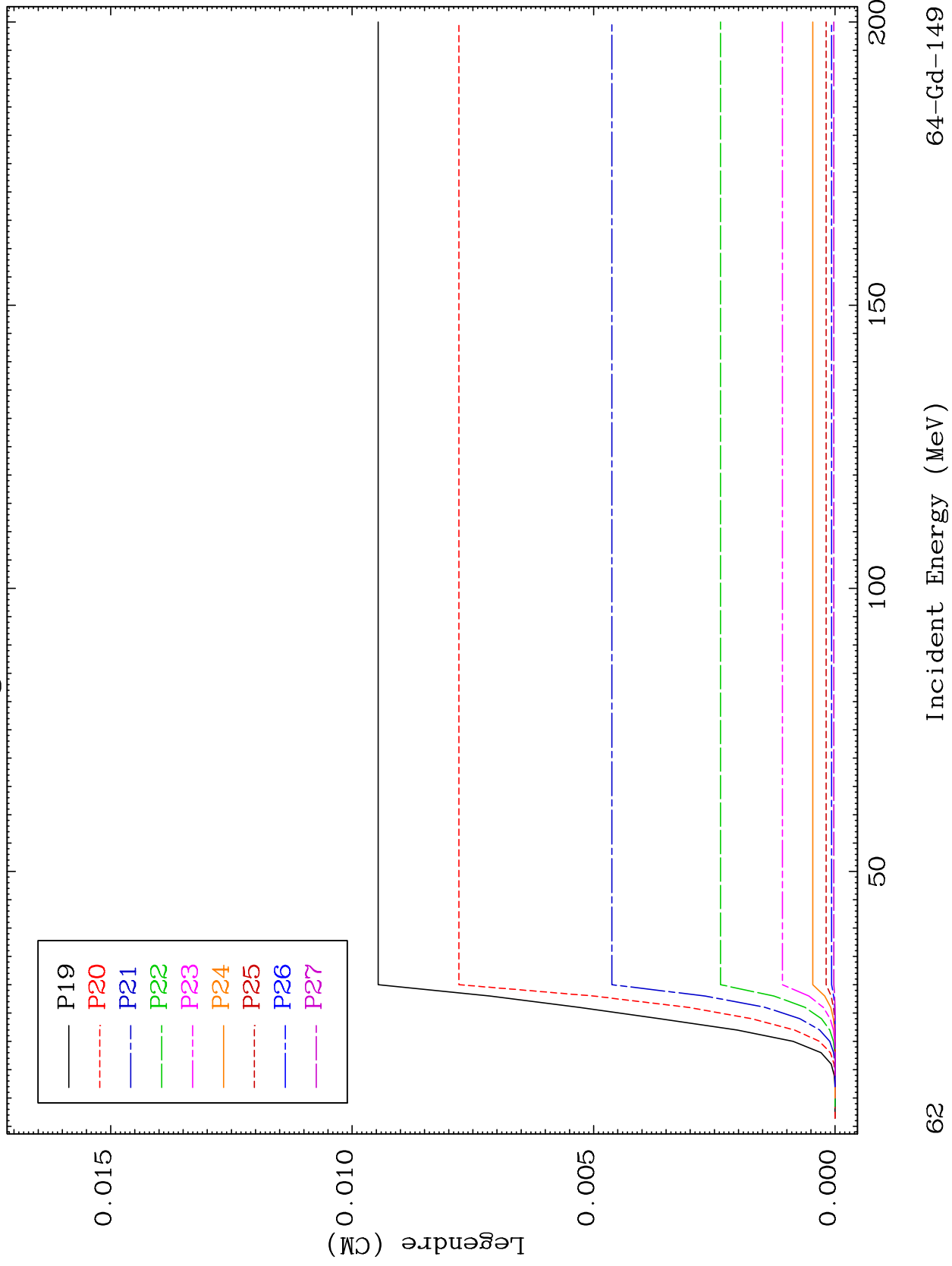
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



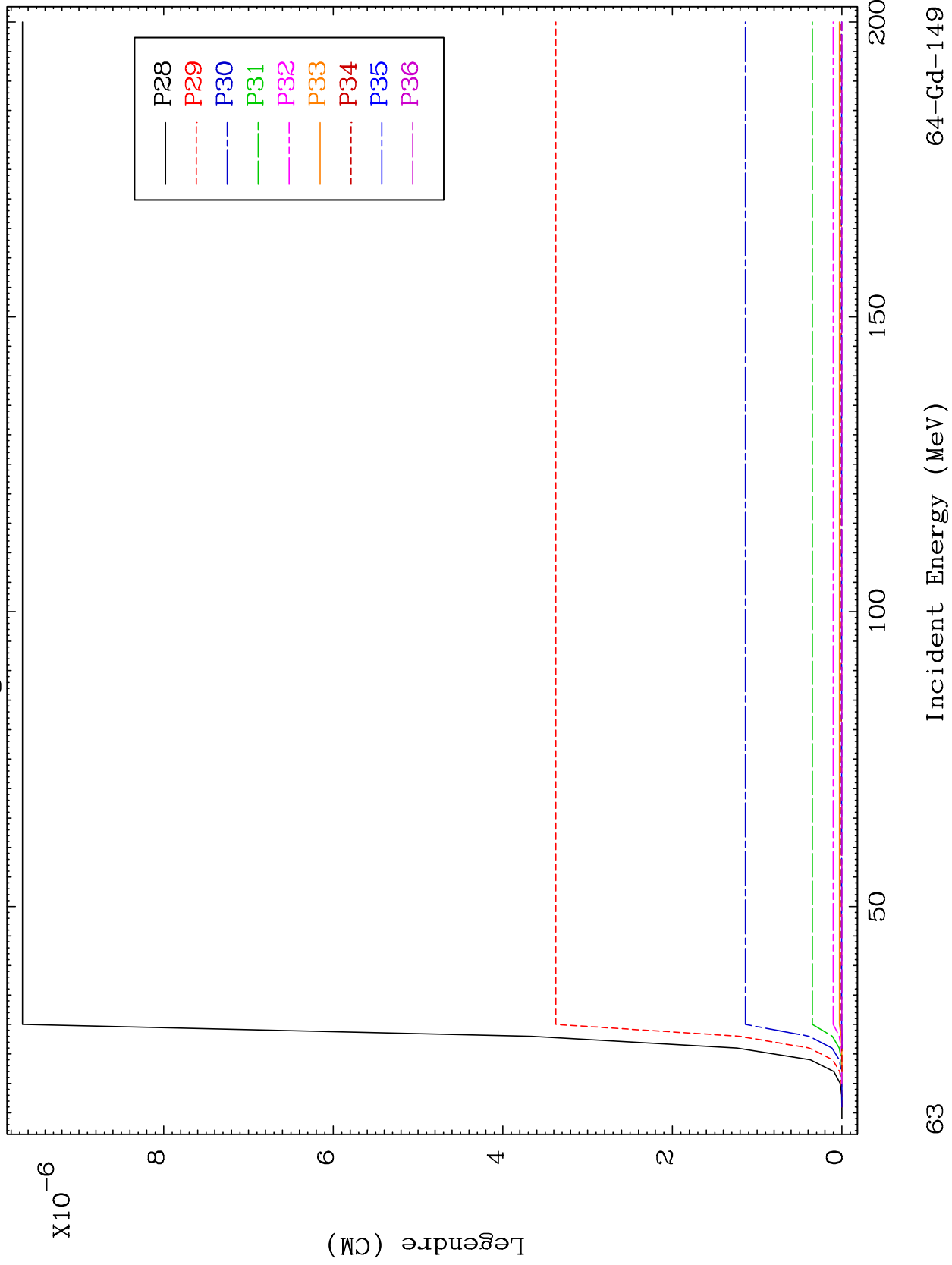
62

64-Gd-149

MAT 6416

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

64-Gd-149

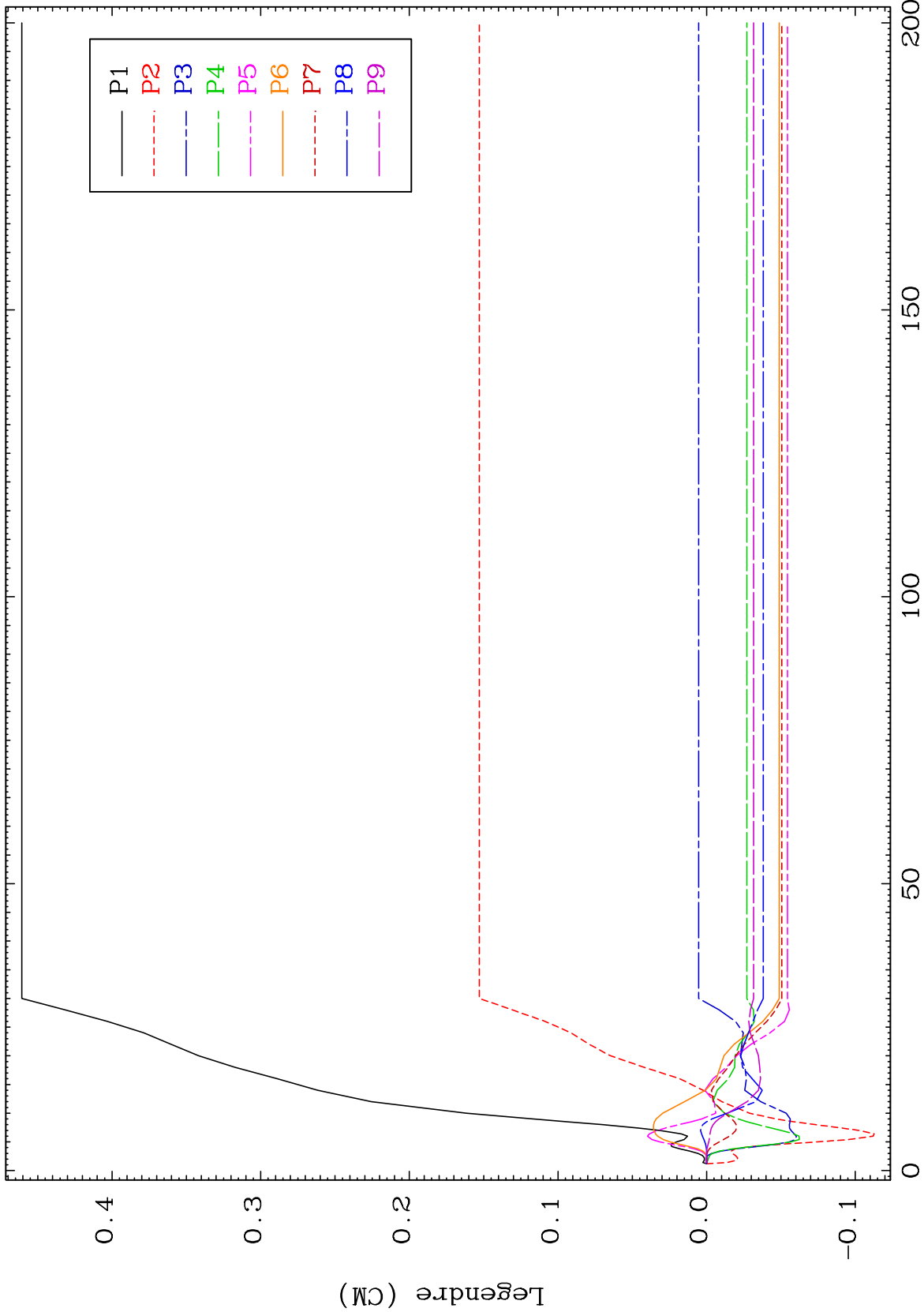




MAT 6416

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

64-Gd-149



64

Incident Energy (MeV)

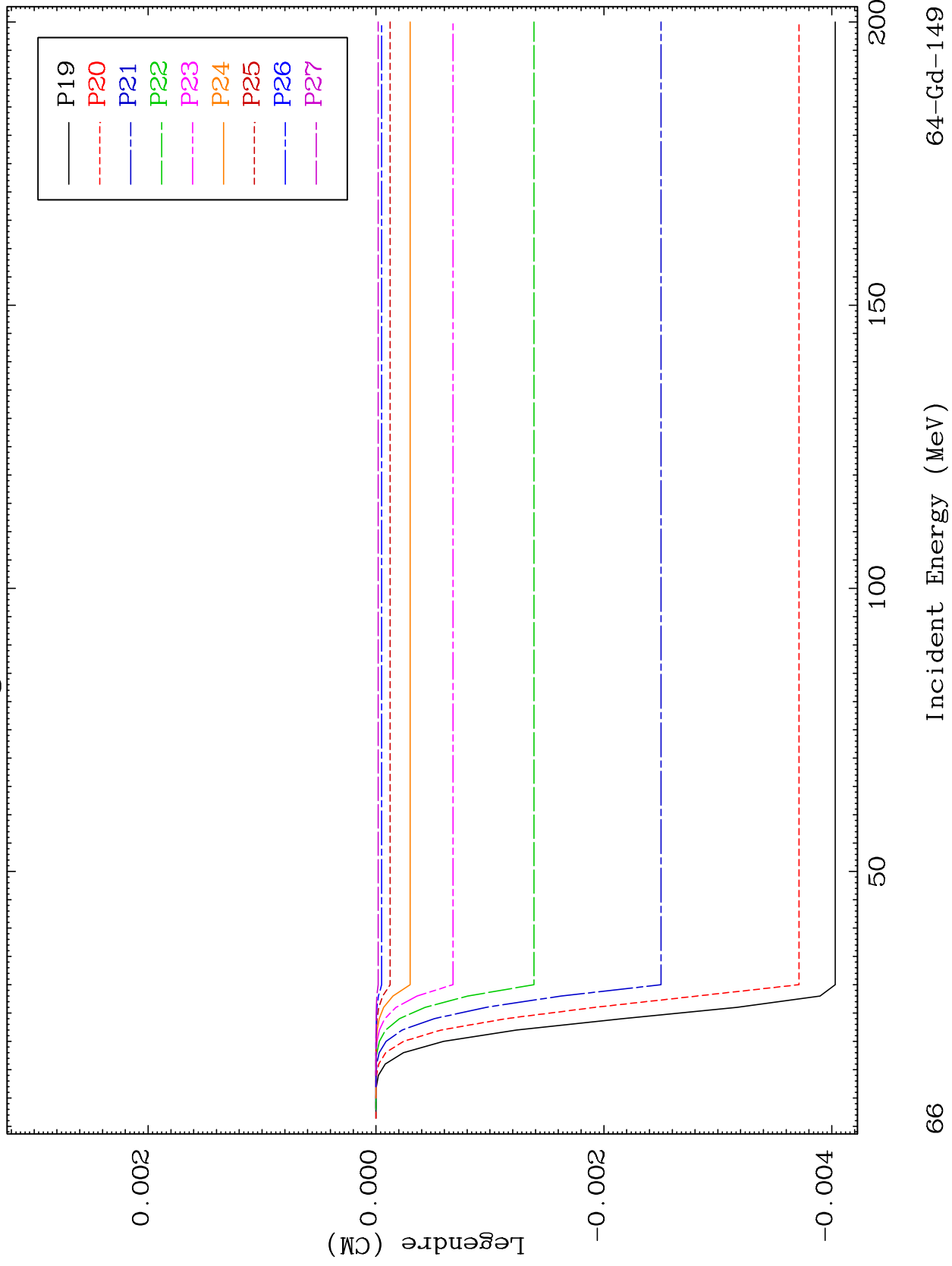
64-Gd-149



MAT 6416

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

64-Gd-149



66

Incident Energy (MeV)

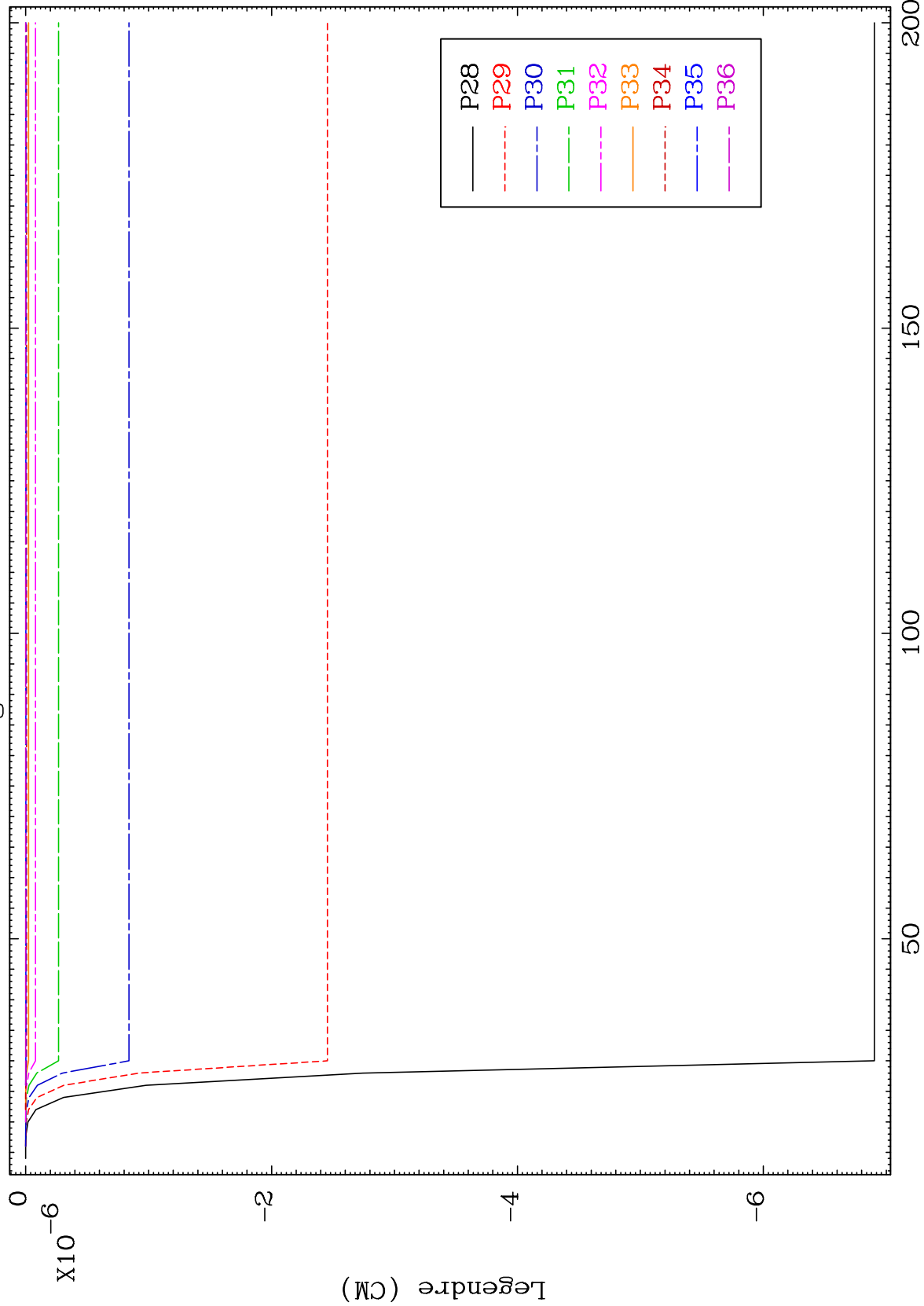
64-Gd-149

MAT 6416

MT= 62 (n,n') Level

64-Gd-149

Legendre Coefficients



67

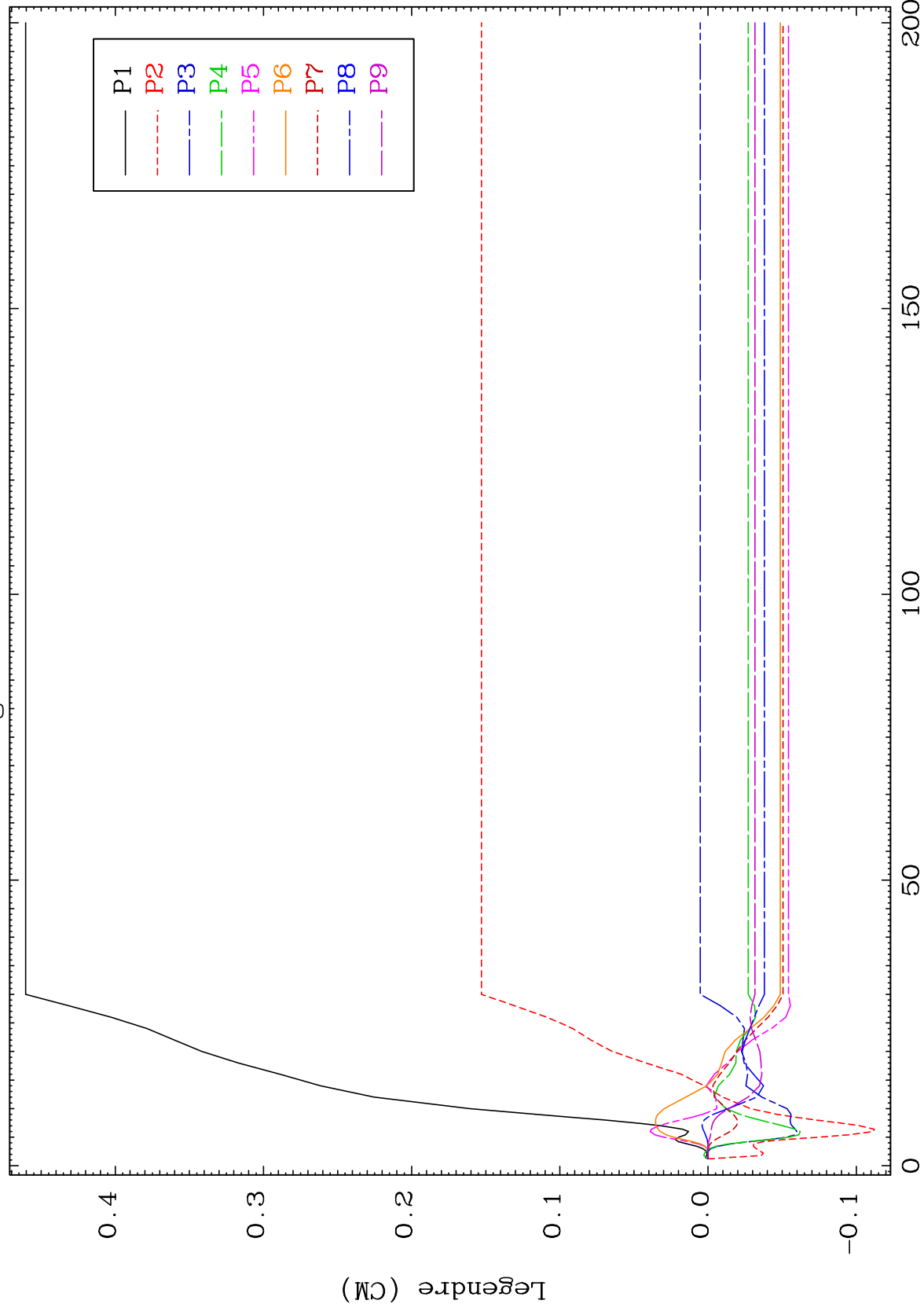
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



64-Gd-149

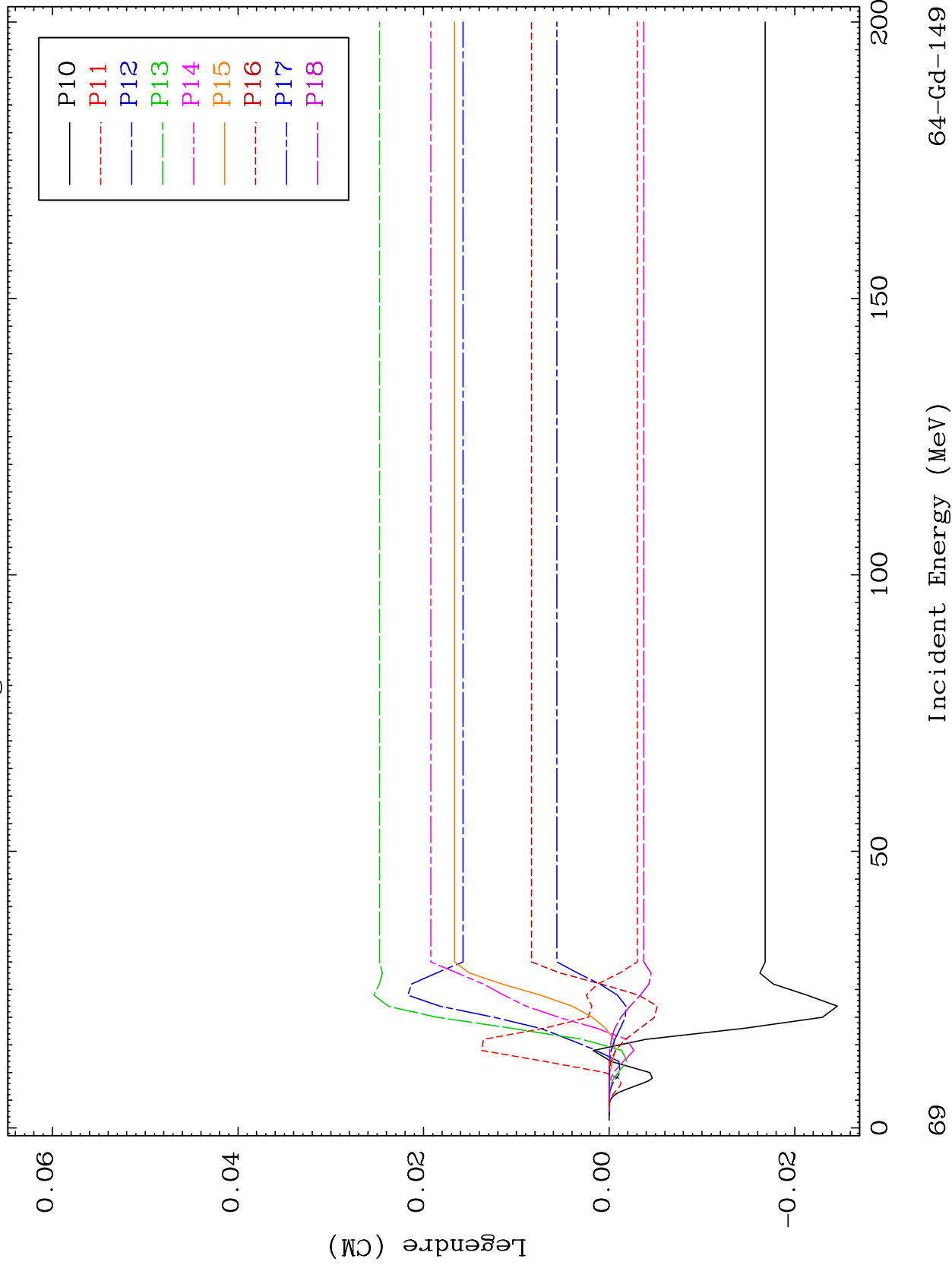
Incident Energy (MeV)

68

MAT 6416

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

64-Gd-149



64-Gd-149

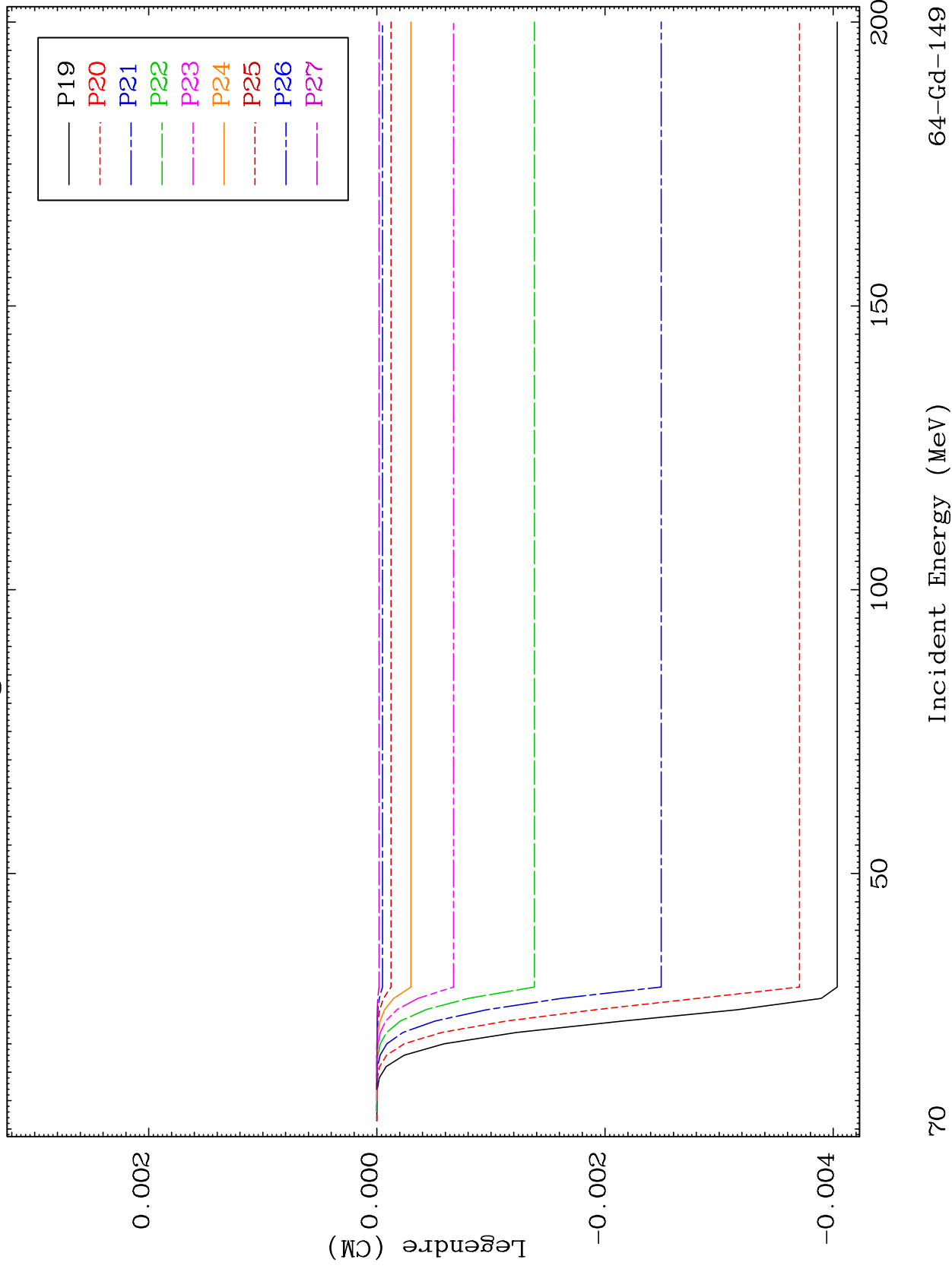
Incident Energy (MeV)

69

MAT 6416

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

64-Gd-149



70

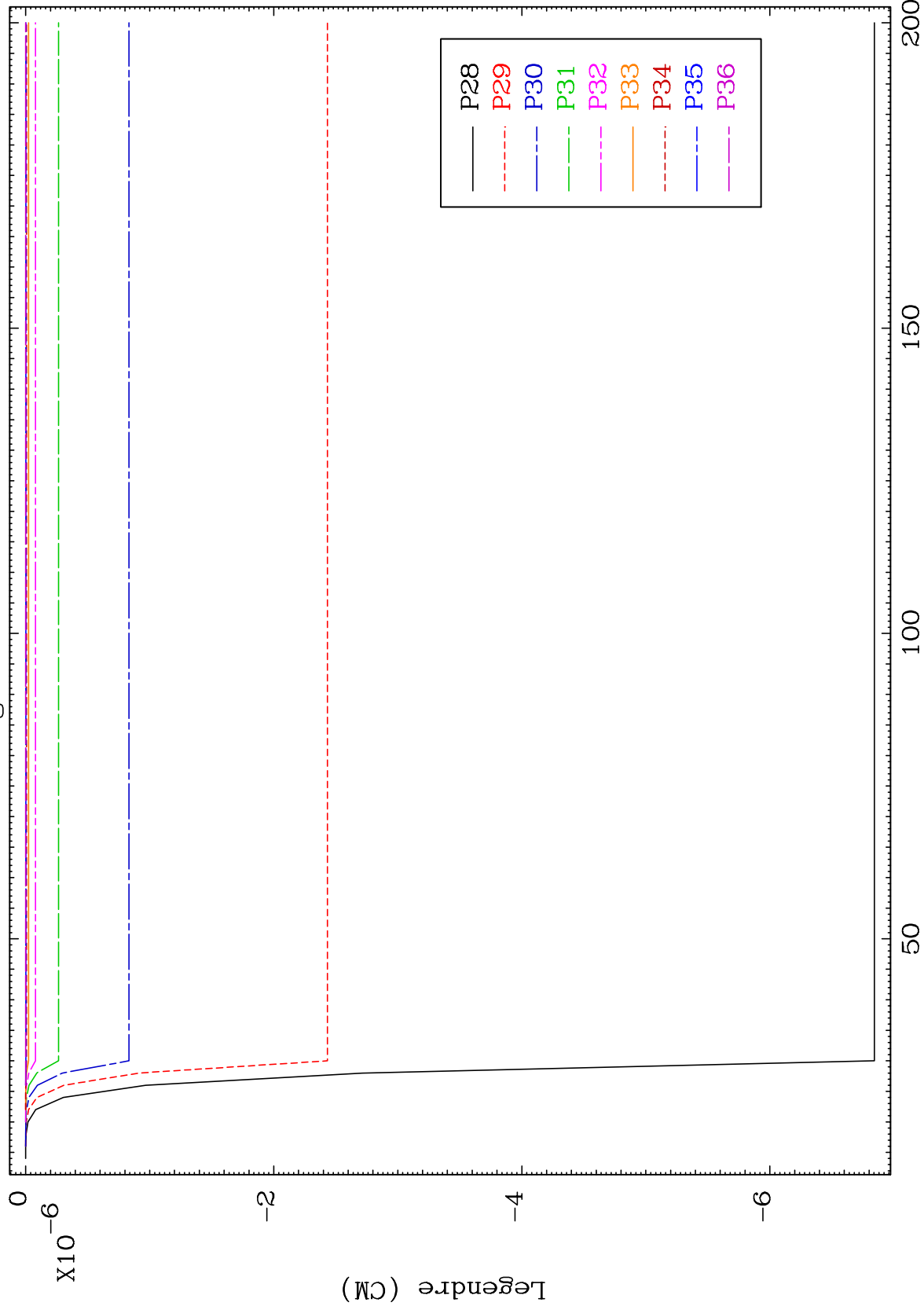
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



71

Incident Energy (MeV)

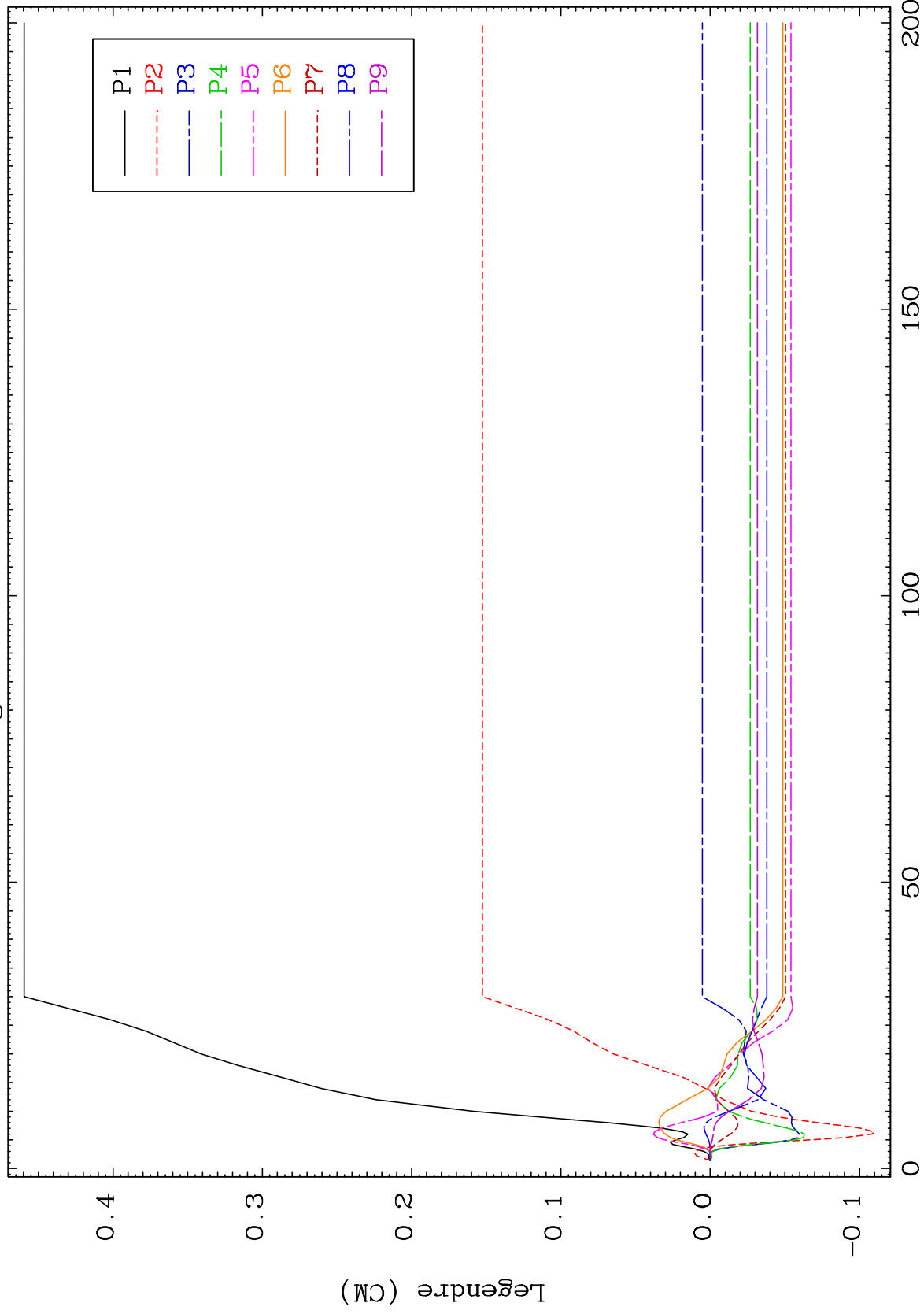
64-Gd-149



MAT 6416

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

64-Gd-149



72

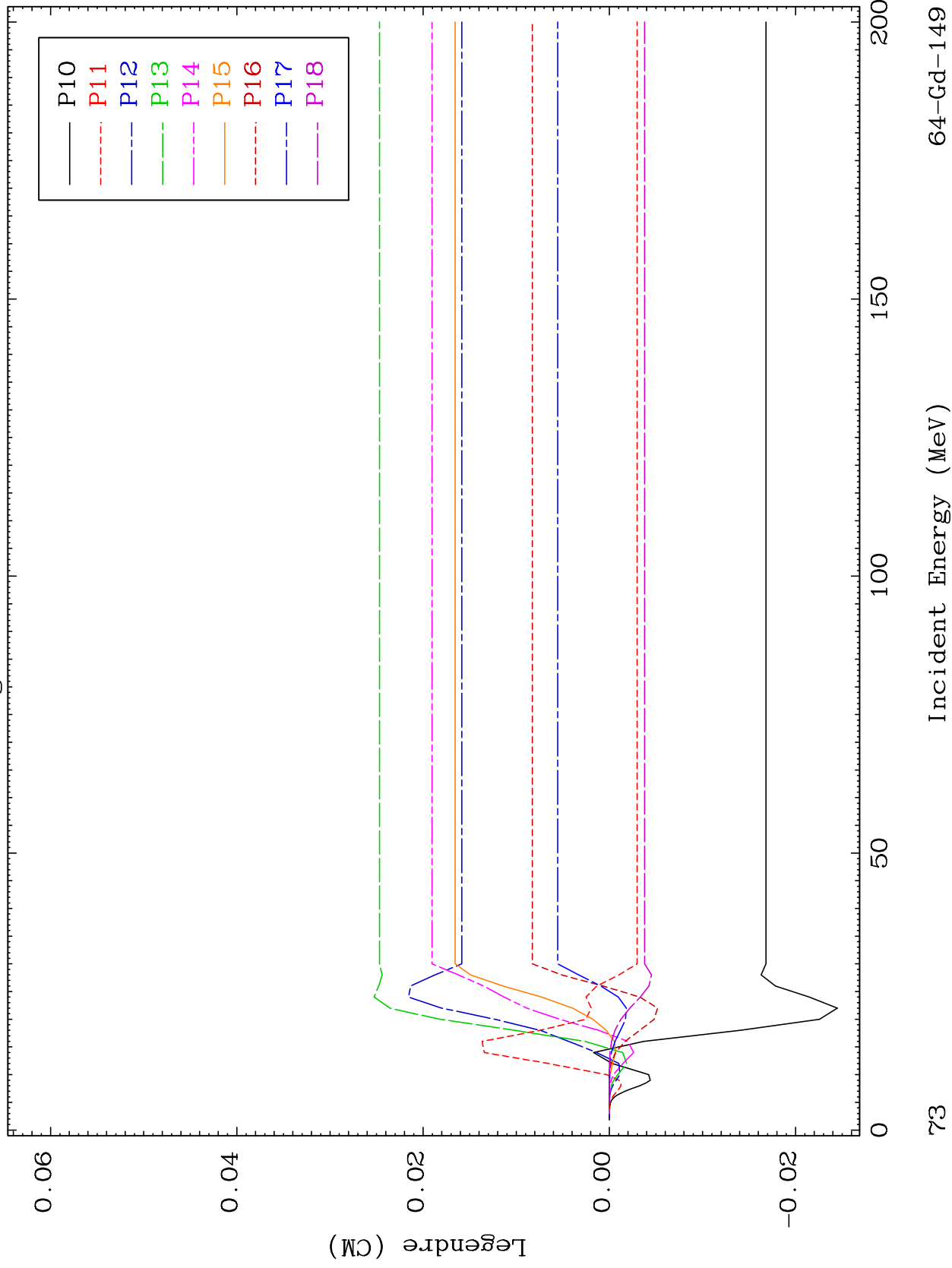
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149

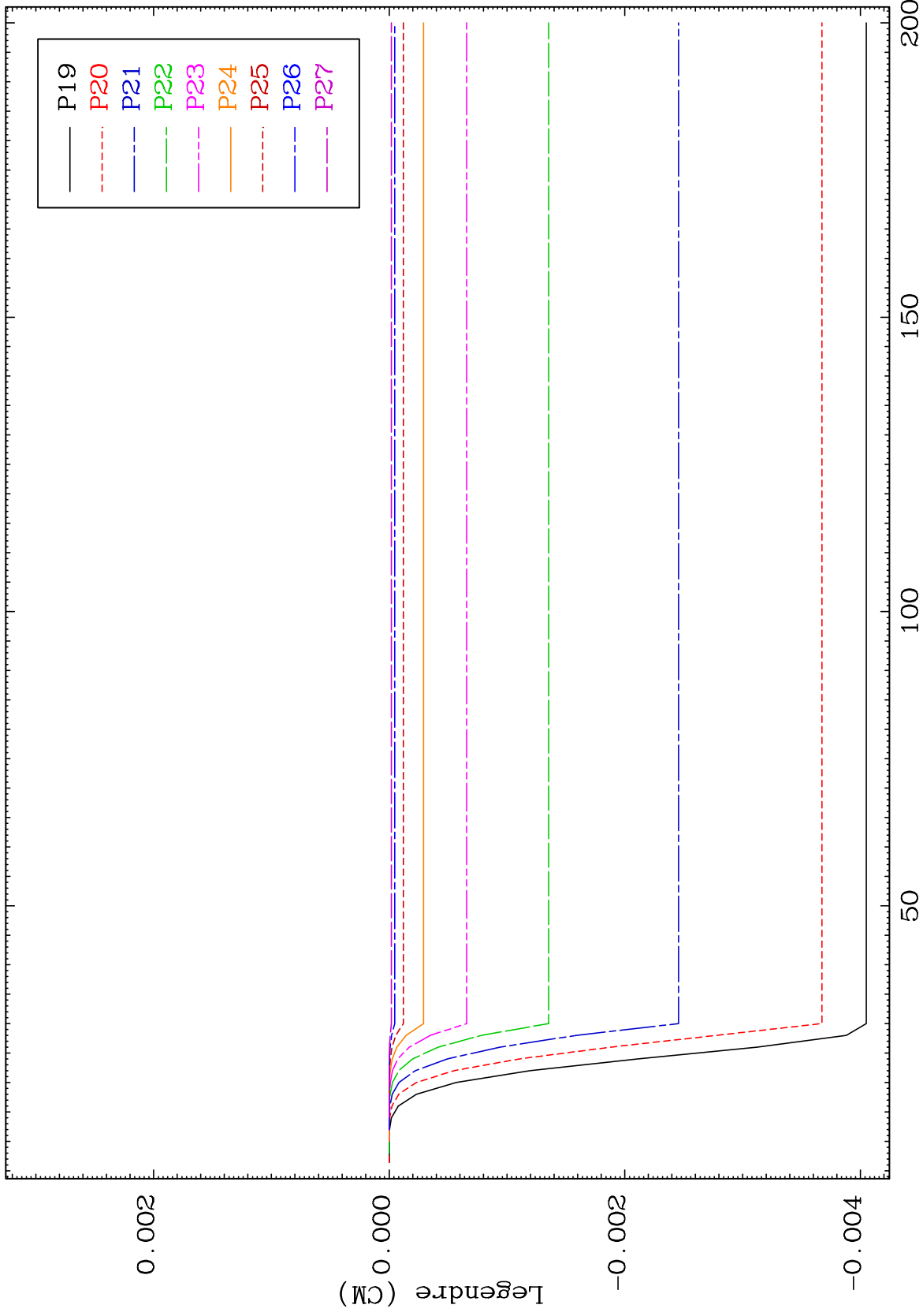


64-Gd-149

MAT 6416

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

64-Gd-149



74

Incident Energy (MeV)

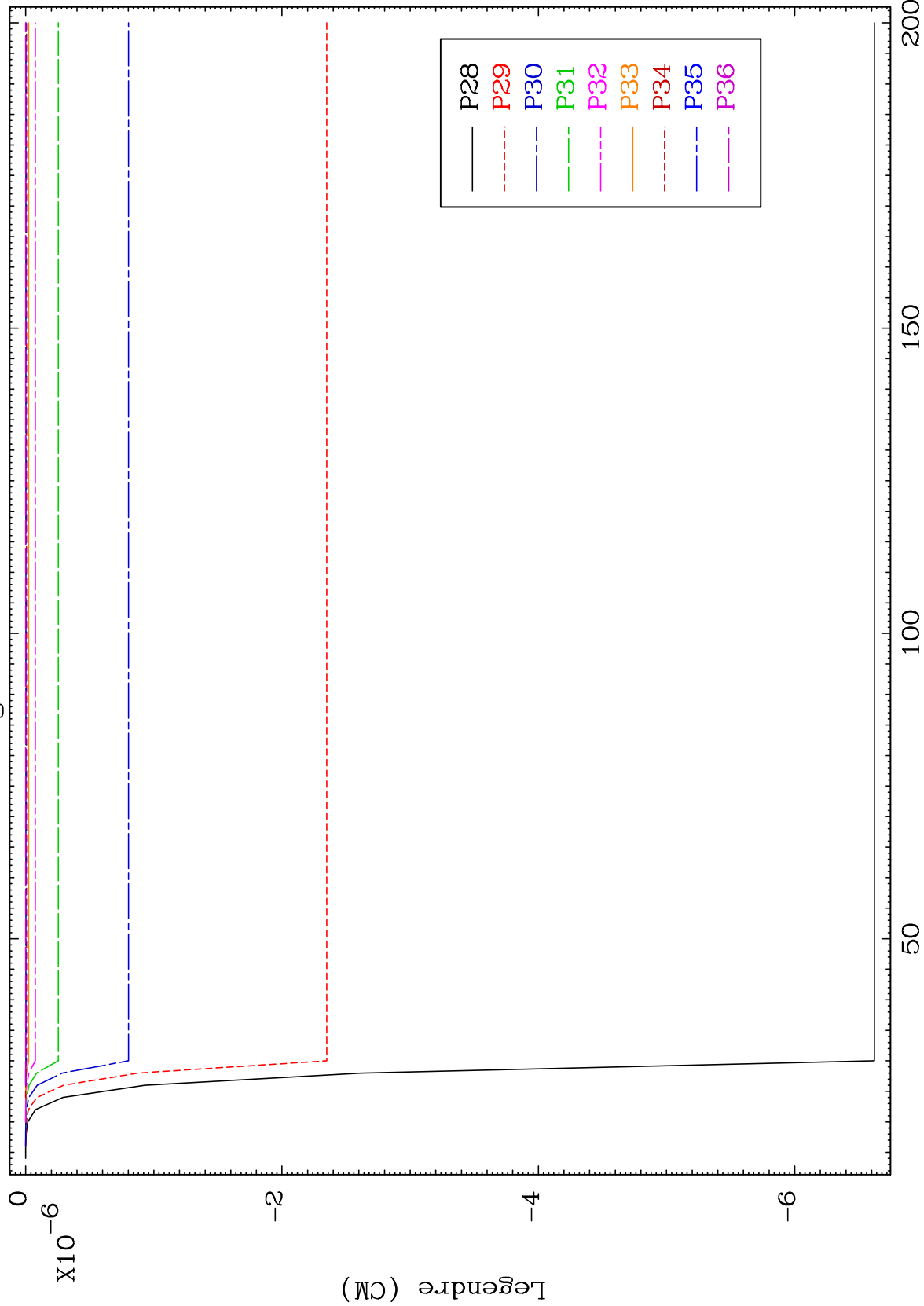
64-Gd-149

MAT 6416

MT= 64 (n,n') Level

64-Gd-149

Legendre Coefficients



64-Gd-149

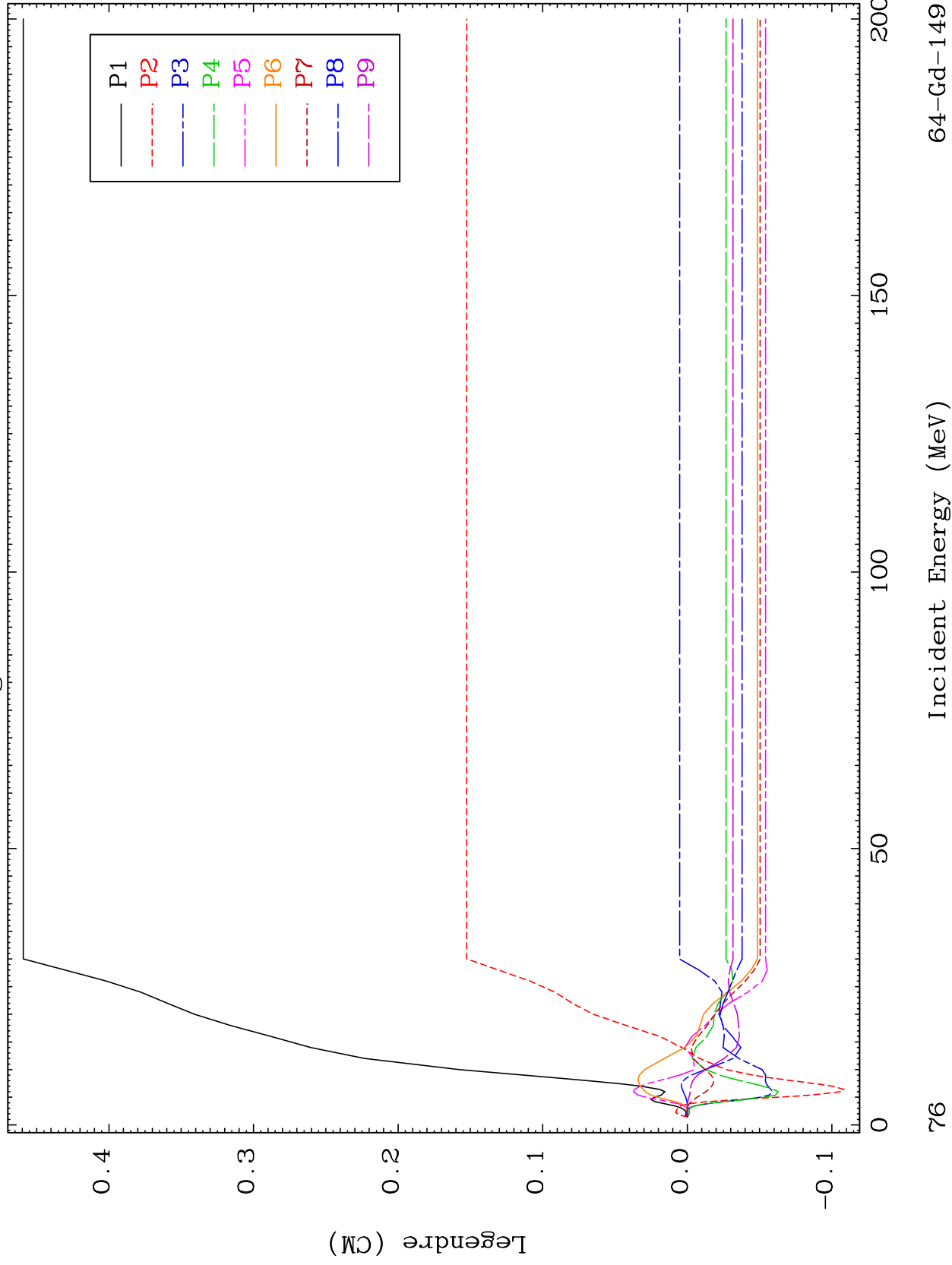
Incident Energy (MeV)

75

MAT 6416

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

64-Gd-149



64-Gd-149

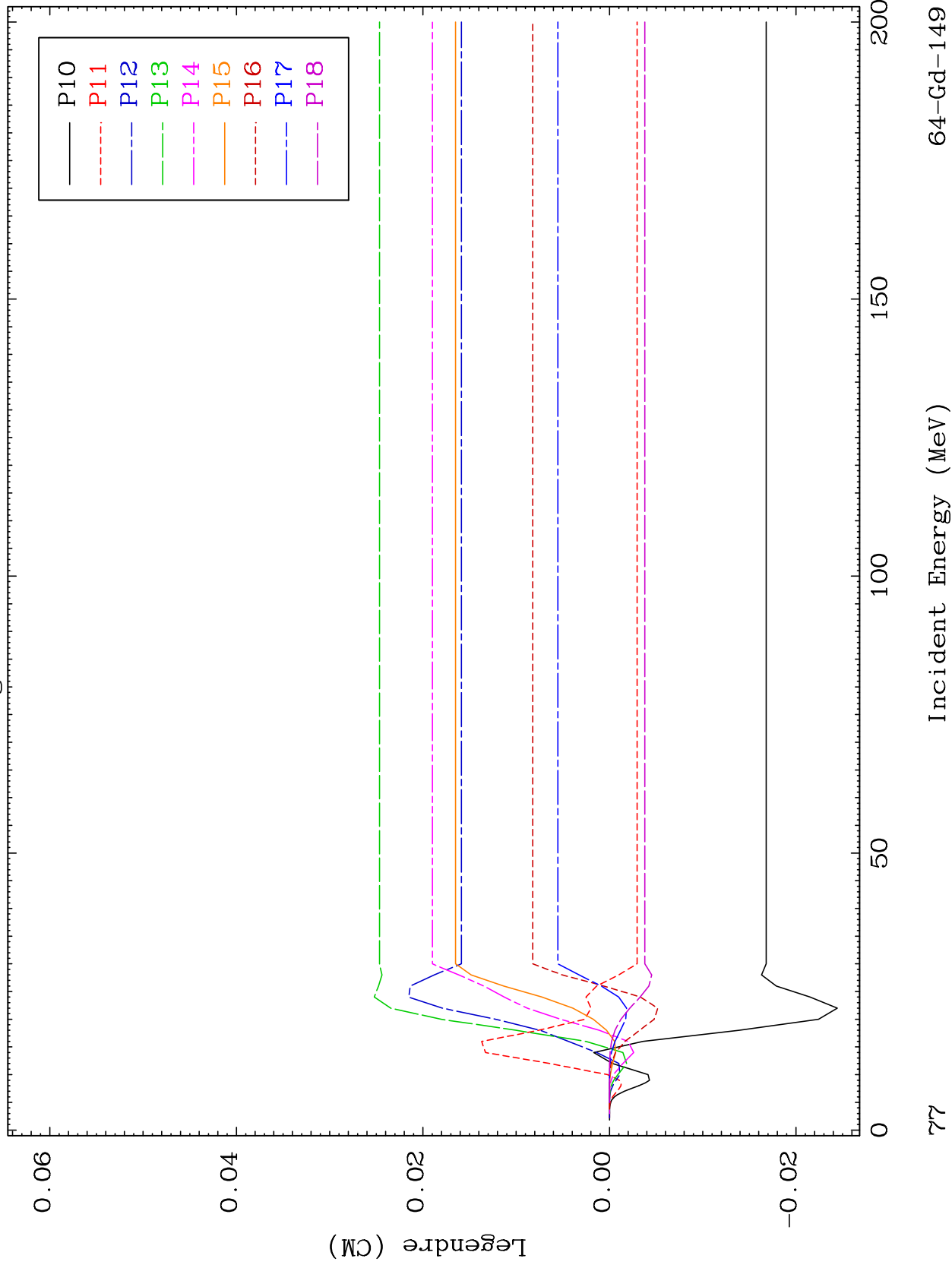
Incident Energy (MeV)

76

MAT 6416

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

64-Gd-149



77

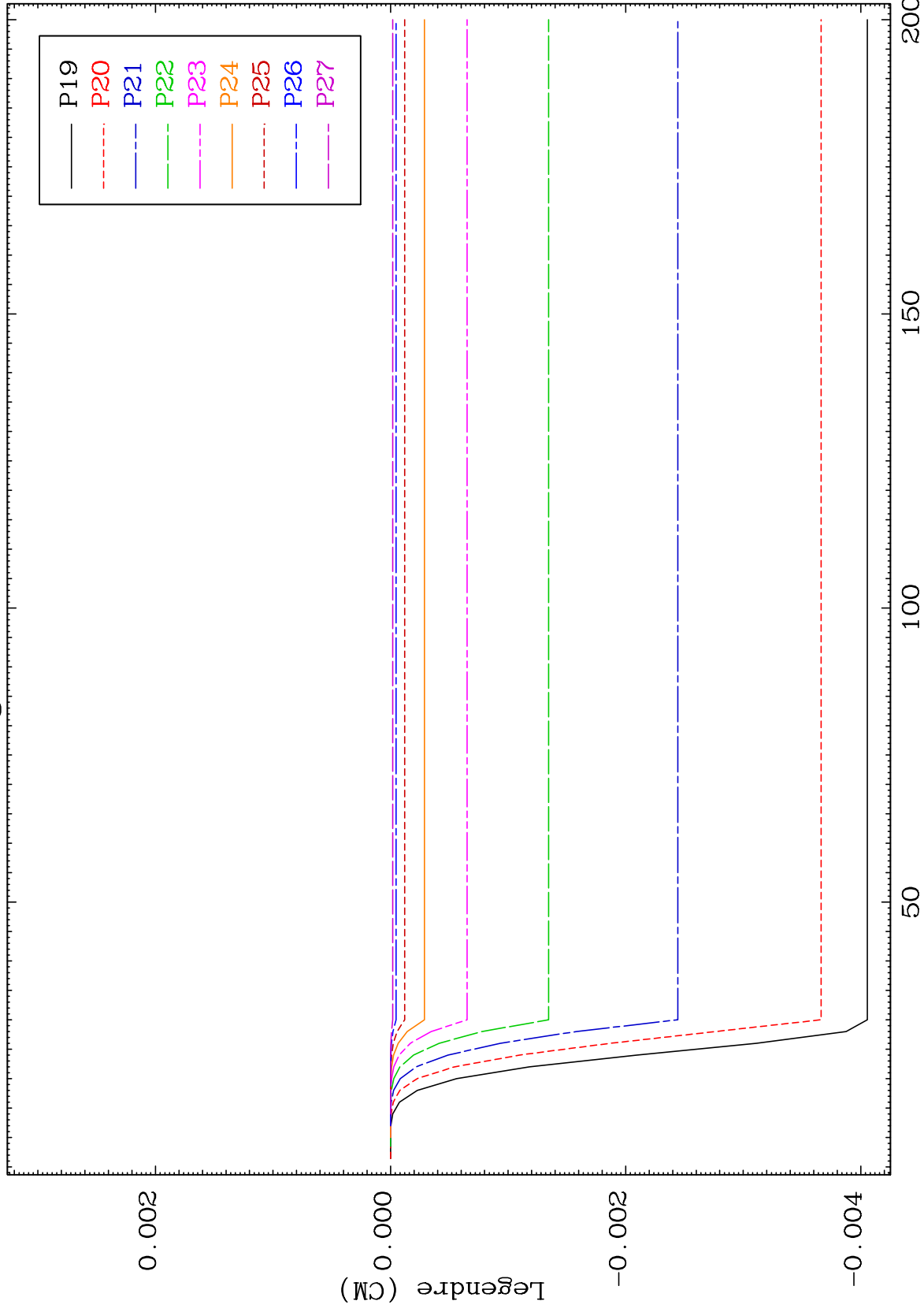
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

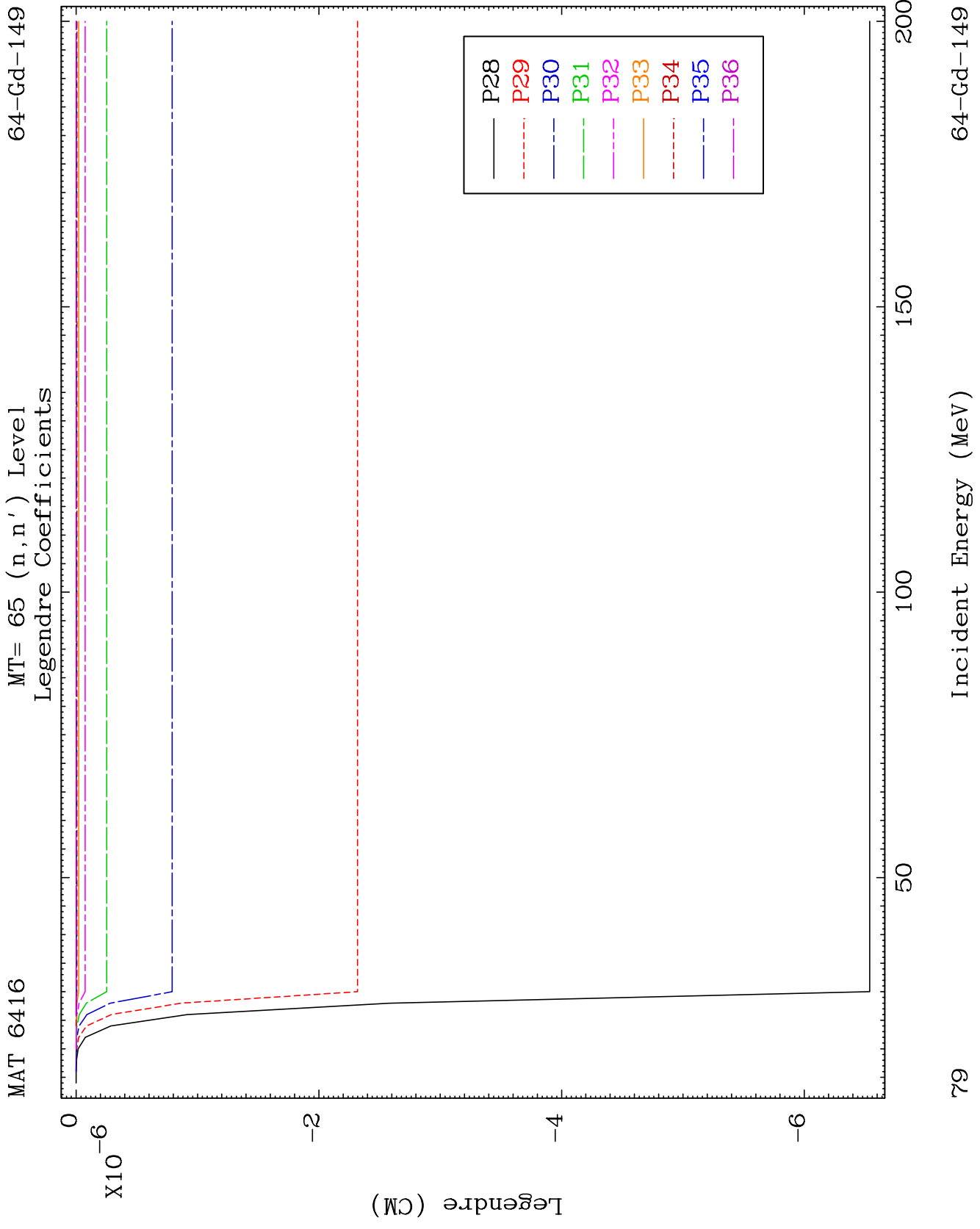
64-Gd-149



78

Incident Energy (MeV)

64-Gd-149

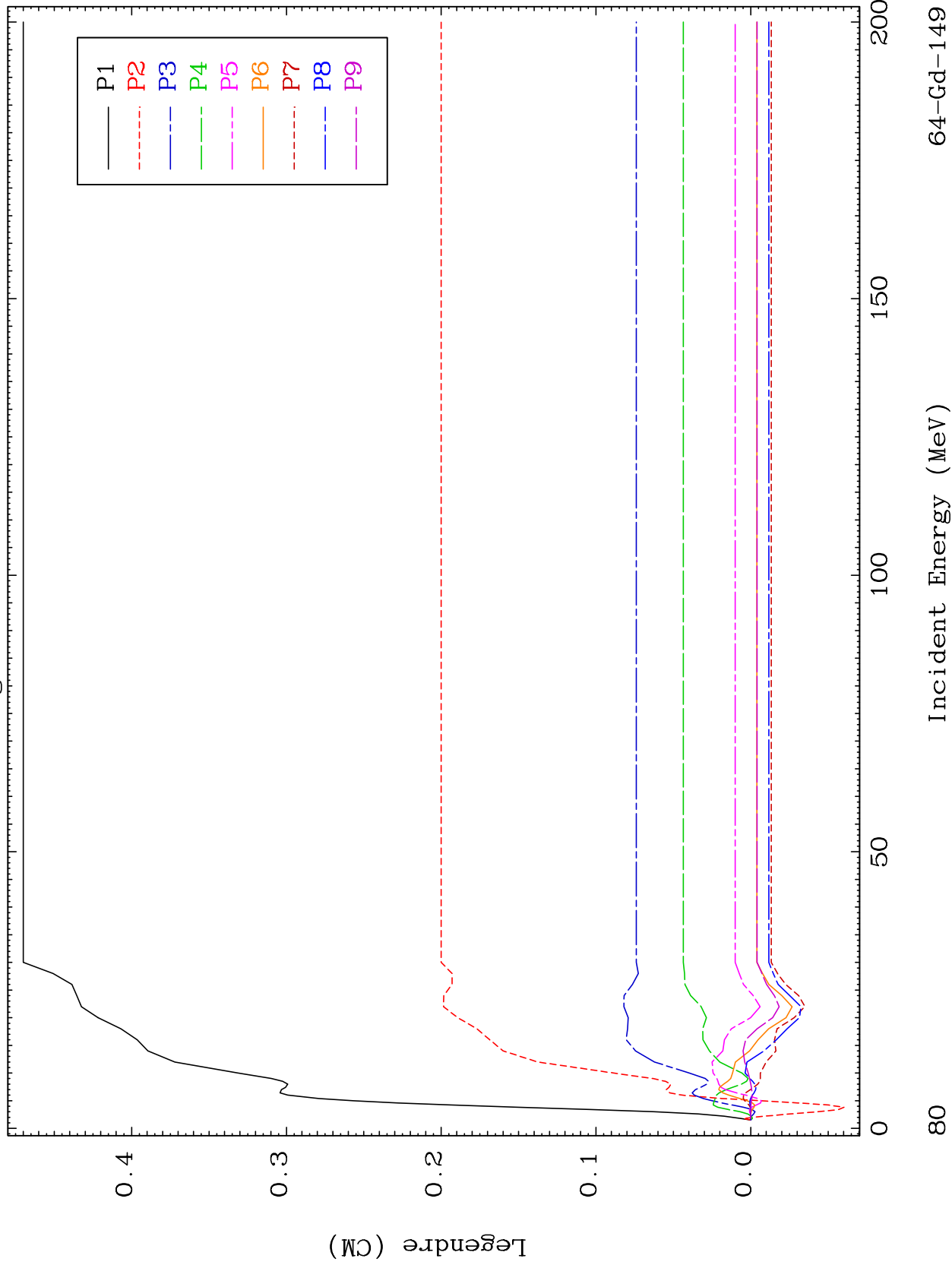




MAT 6416

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

64-Gd-149

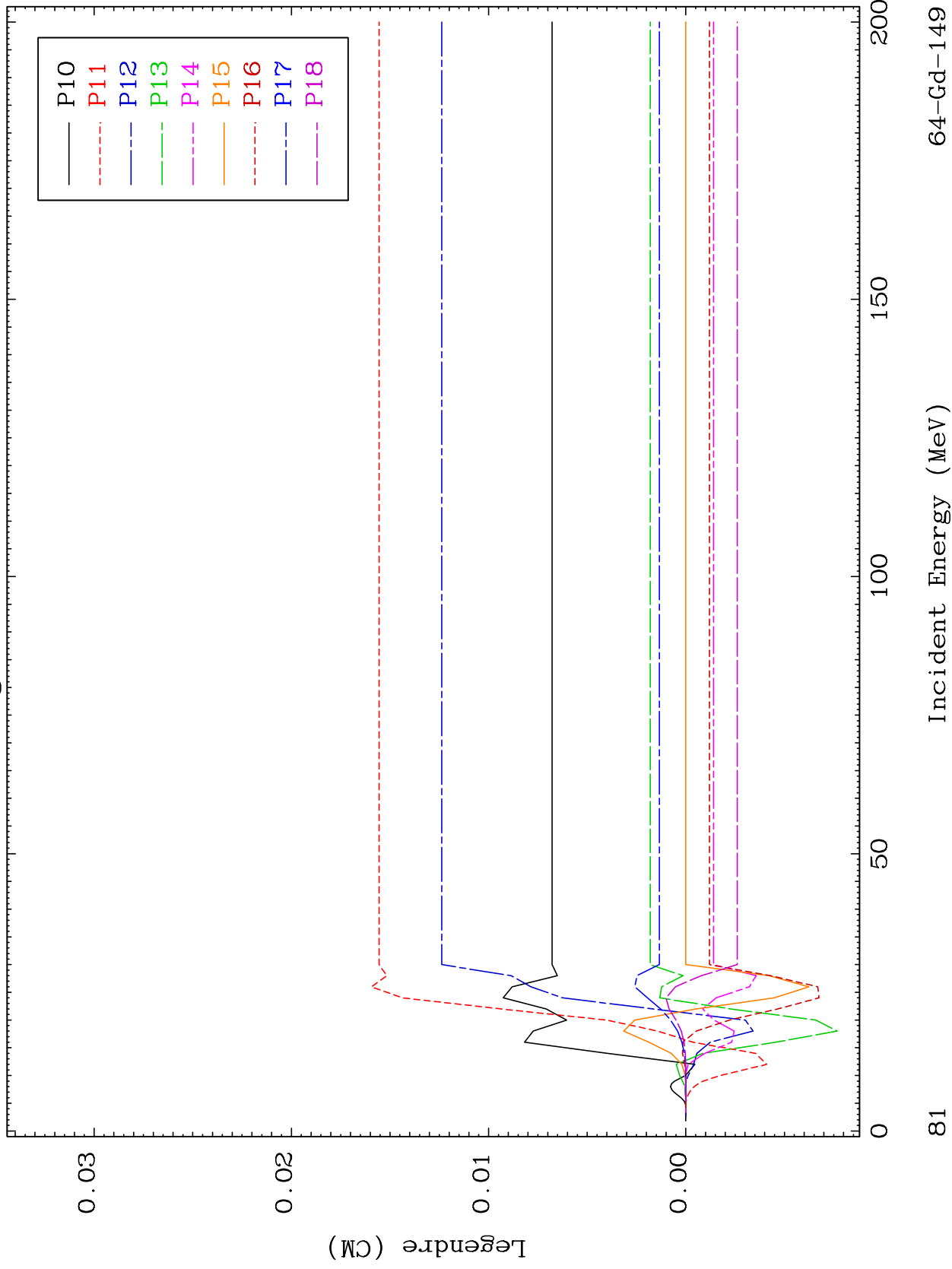


64-Gd-149

MAT 6416

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

64-Gd-149



81

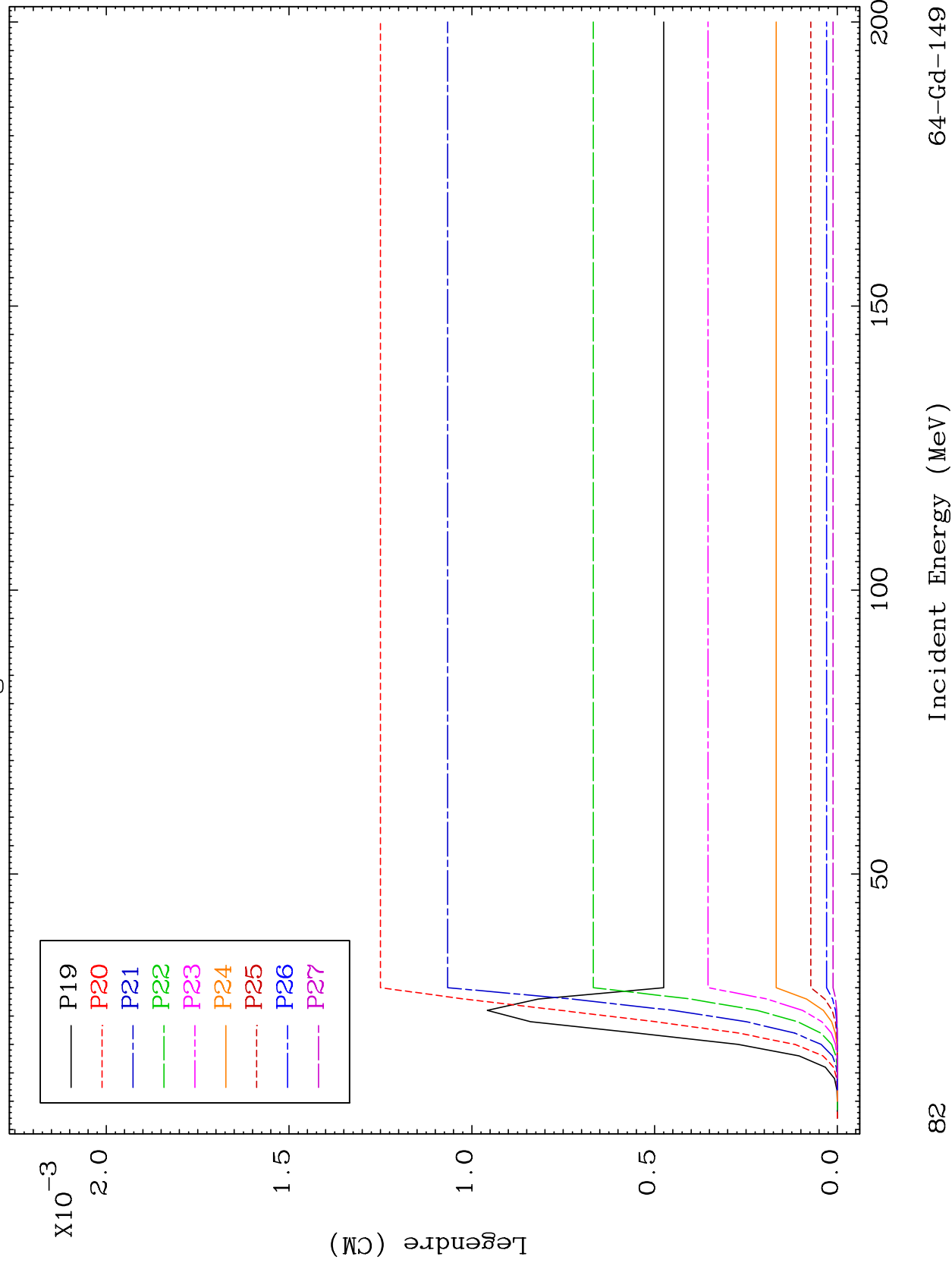
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

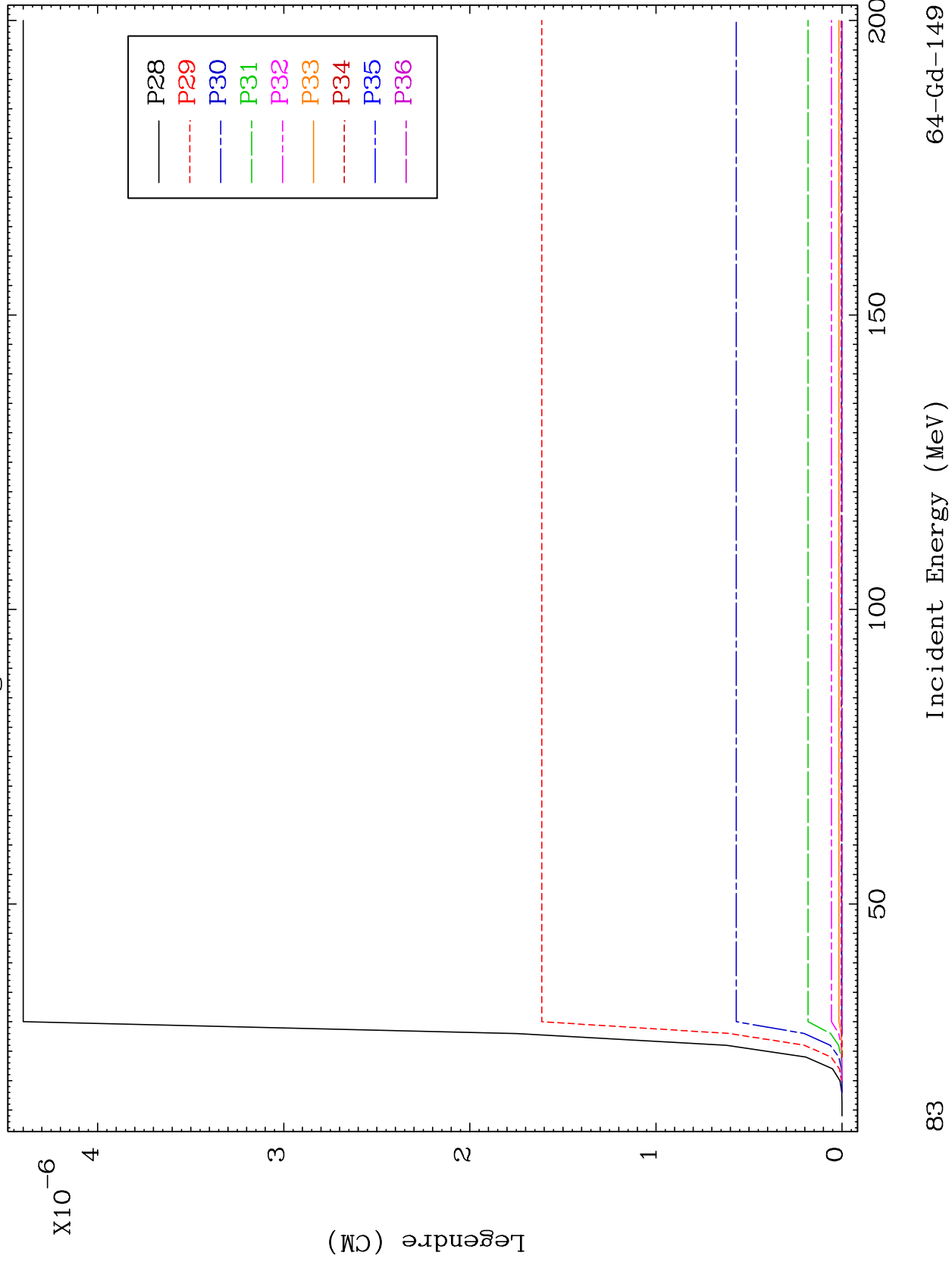
64-Gd-149



MAT 6416

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

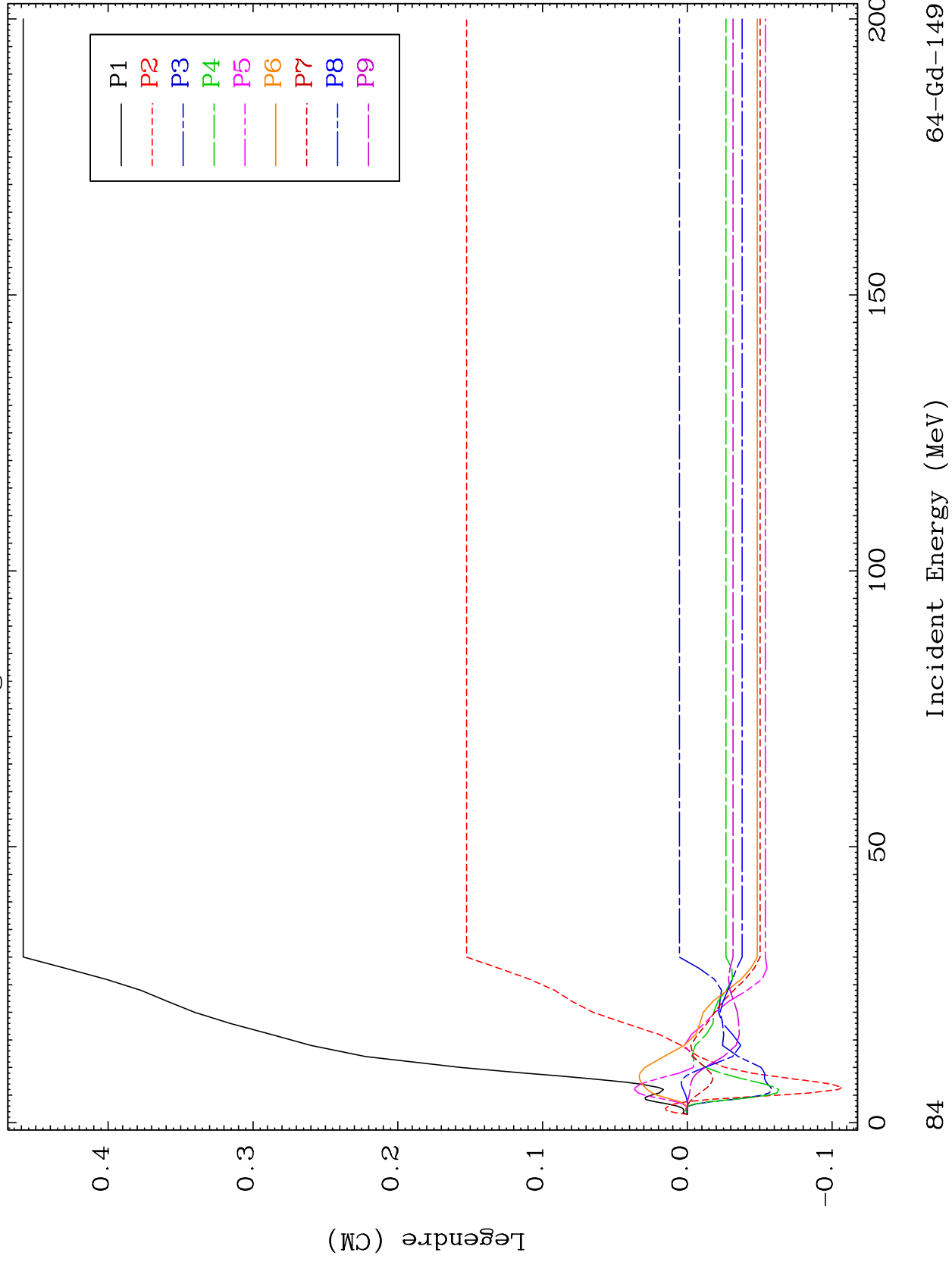
64-Gd-149



MAT 6416

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

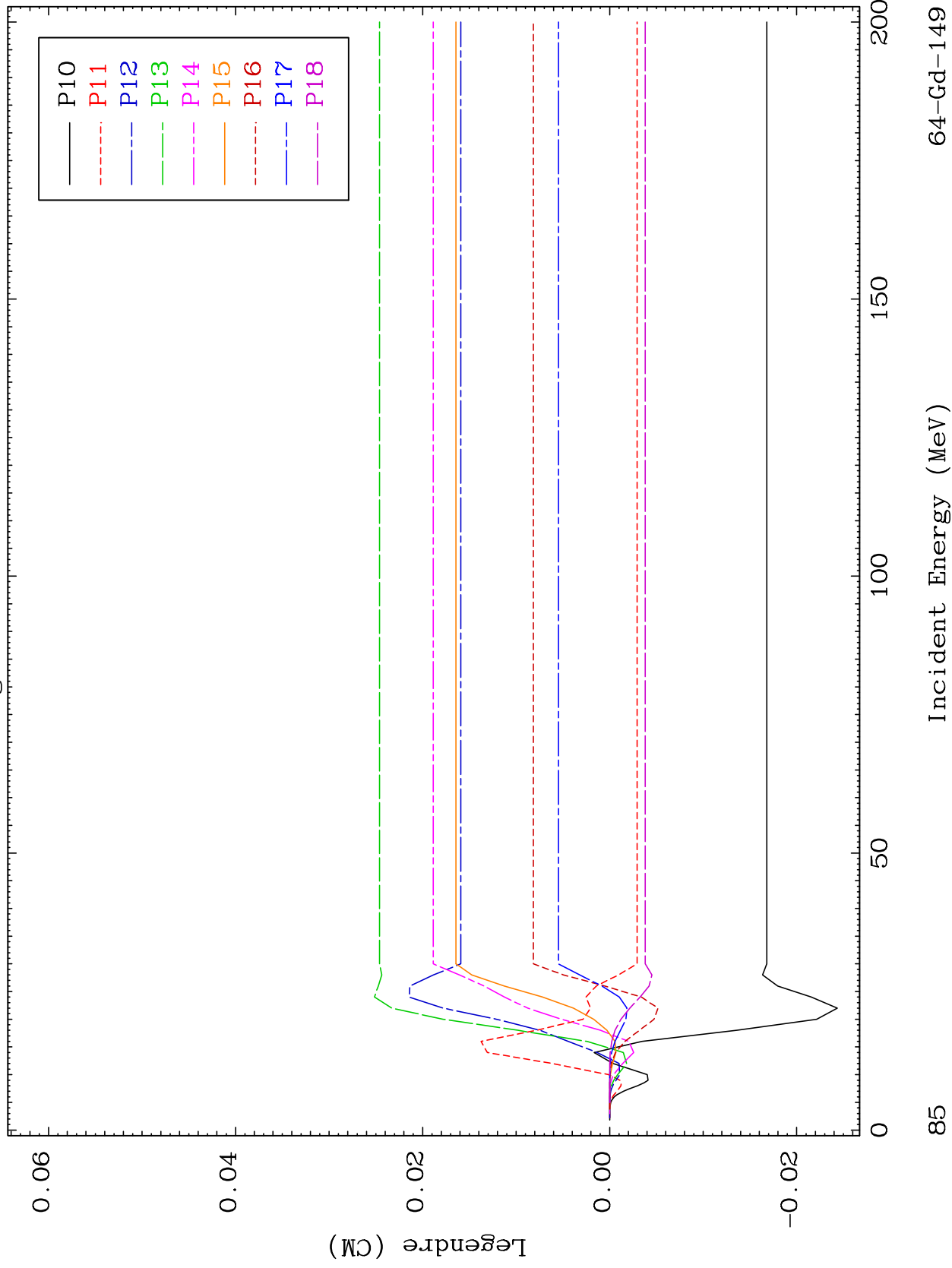
64-Gd-149



MAT 6416

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

64-Gd-149



64-Gd-149

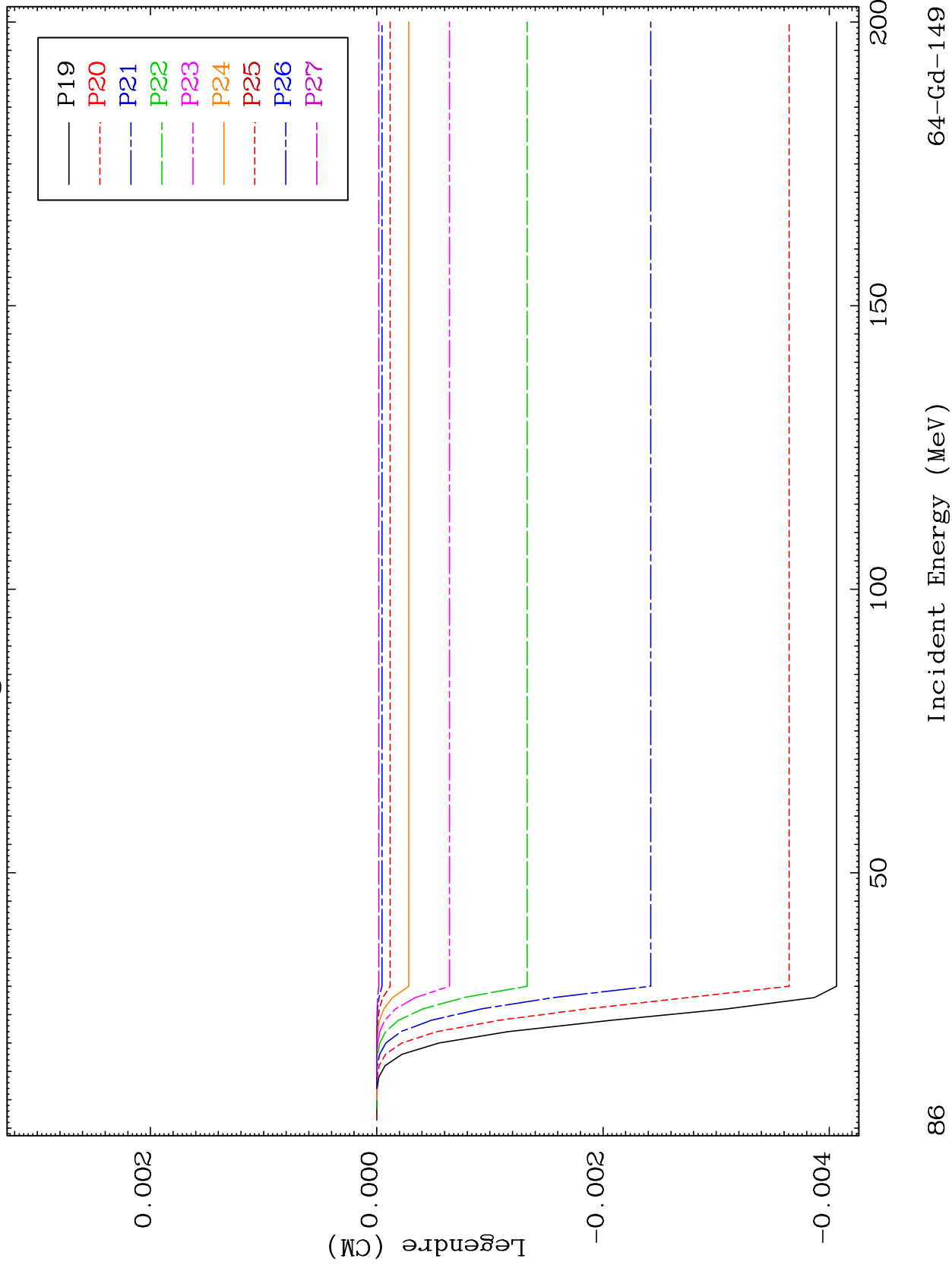
Incident Energy (MeV)

85

MAT 6416

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

64-Gd-149



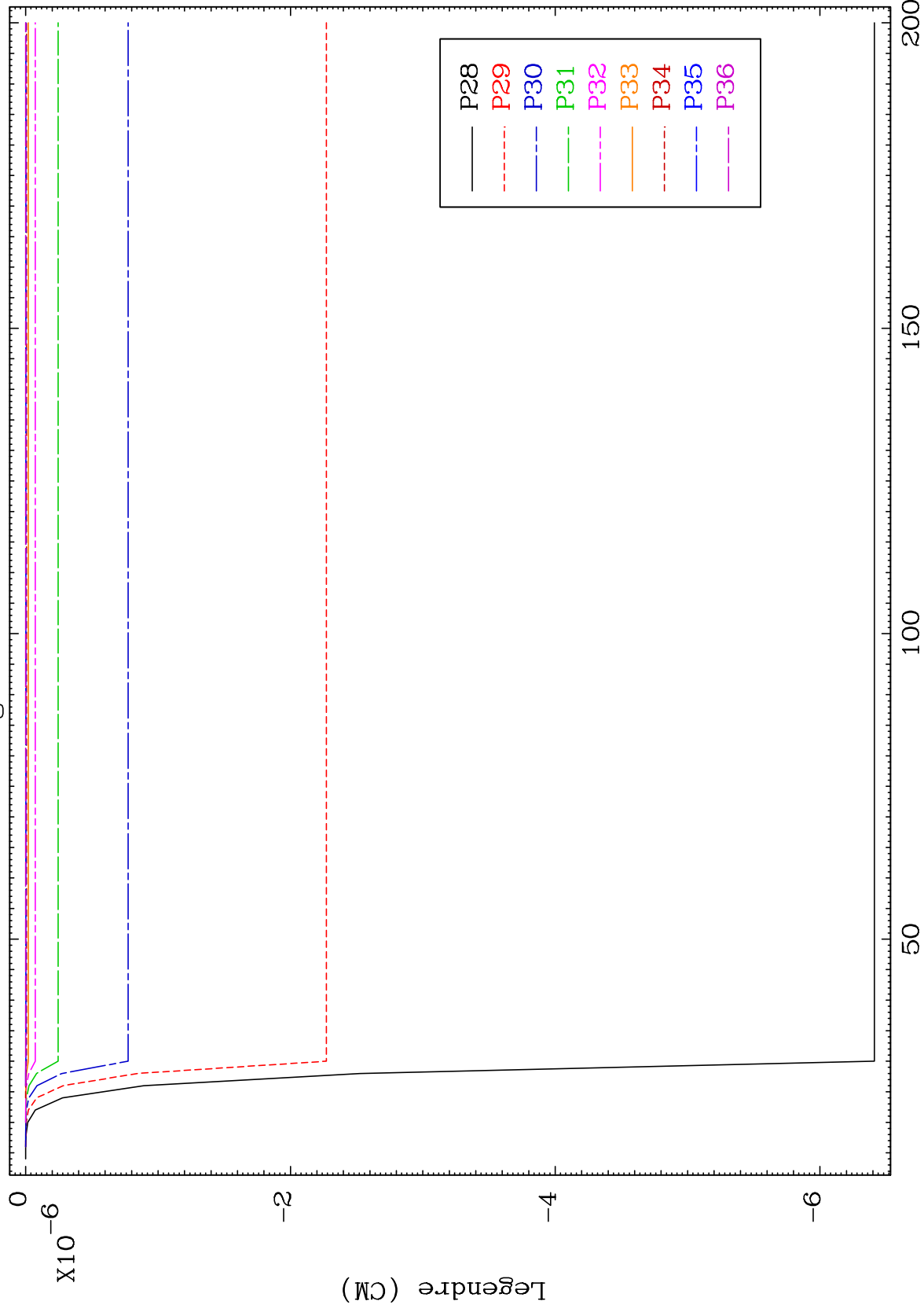
86

64-Gd-149

MAT 6416

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

64-Gd-149



87

Incident Energy (MeV)

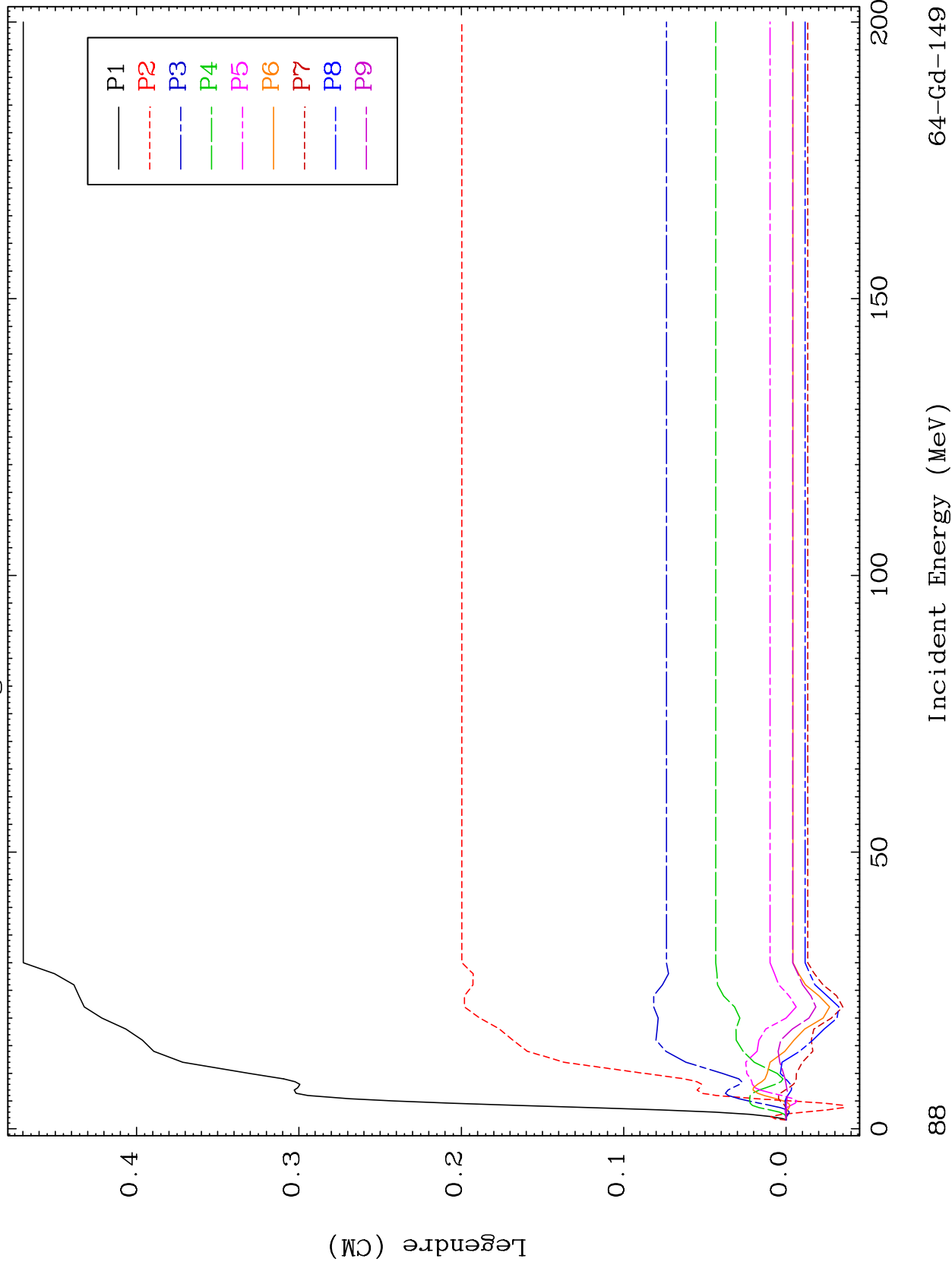
64-Gd-149



MAT 6416

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

64-Gd-149

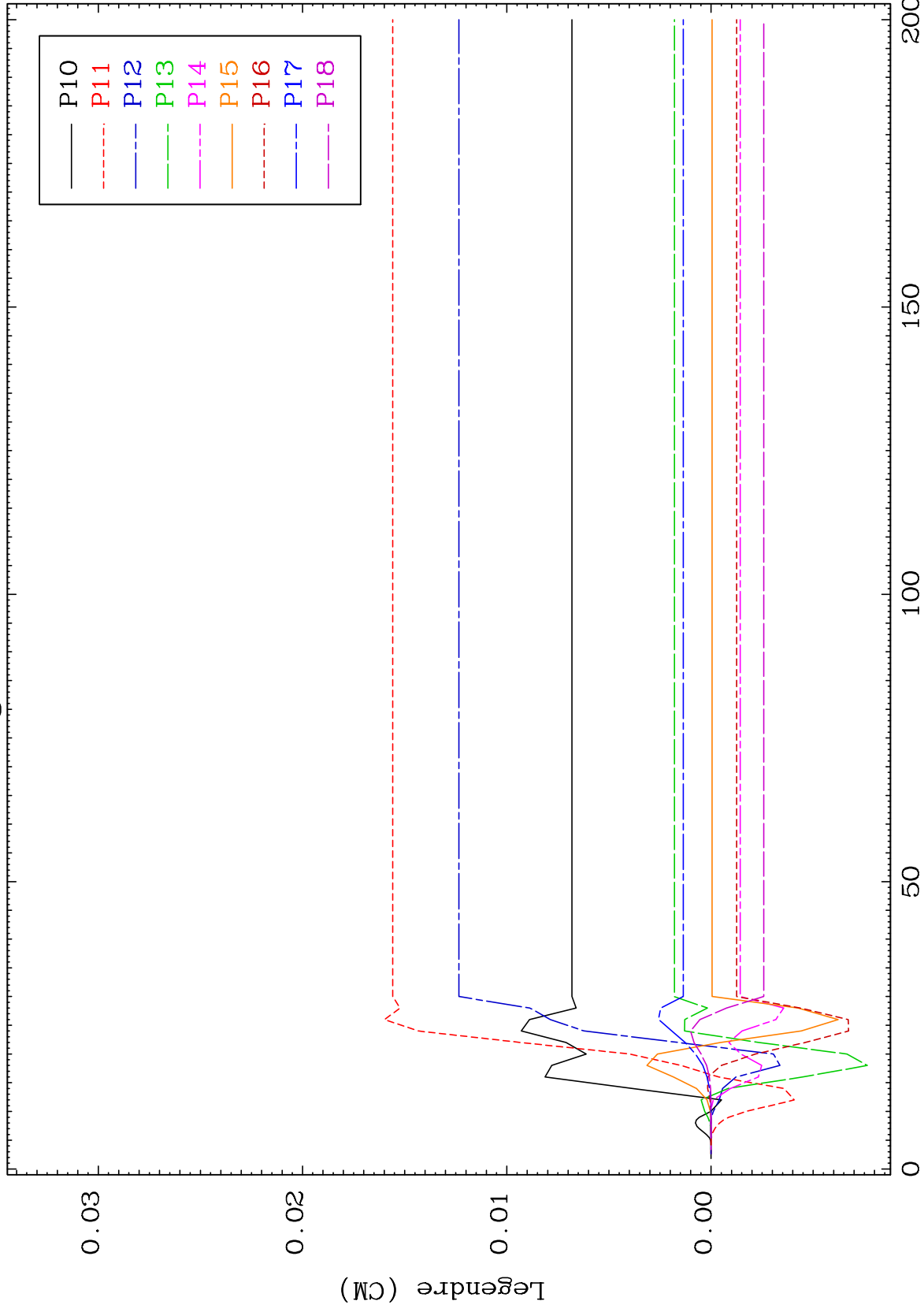


64-Gd-149

MAT 6416

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

64-Gd-149



89

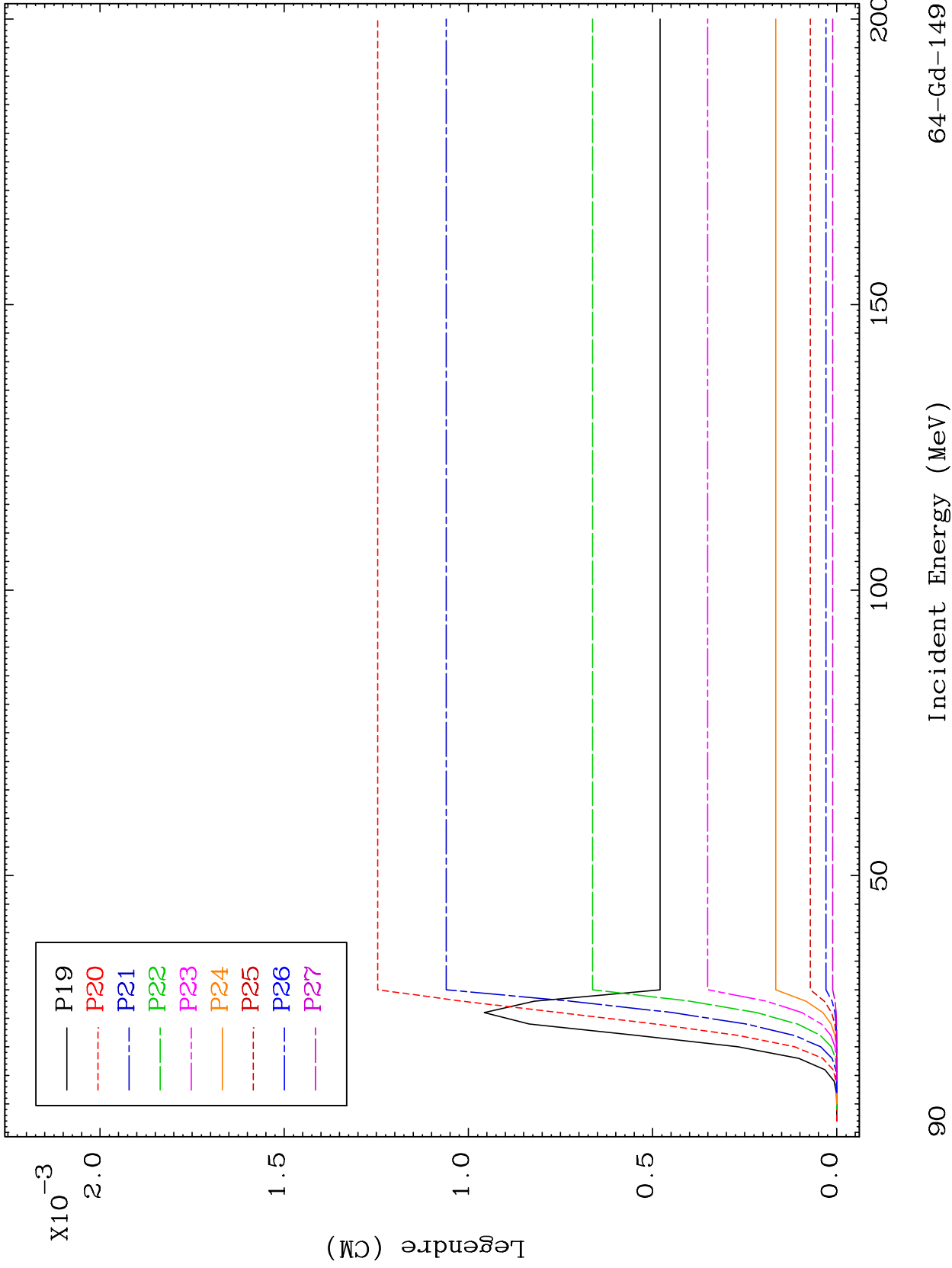
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

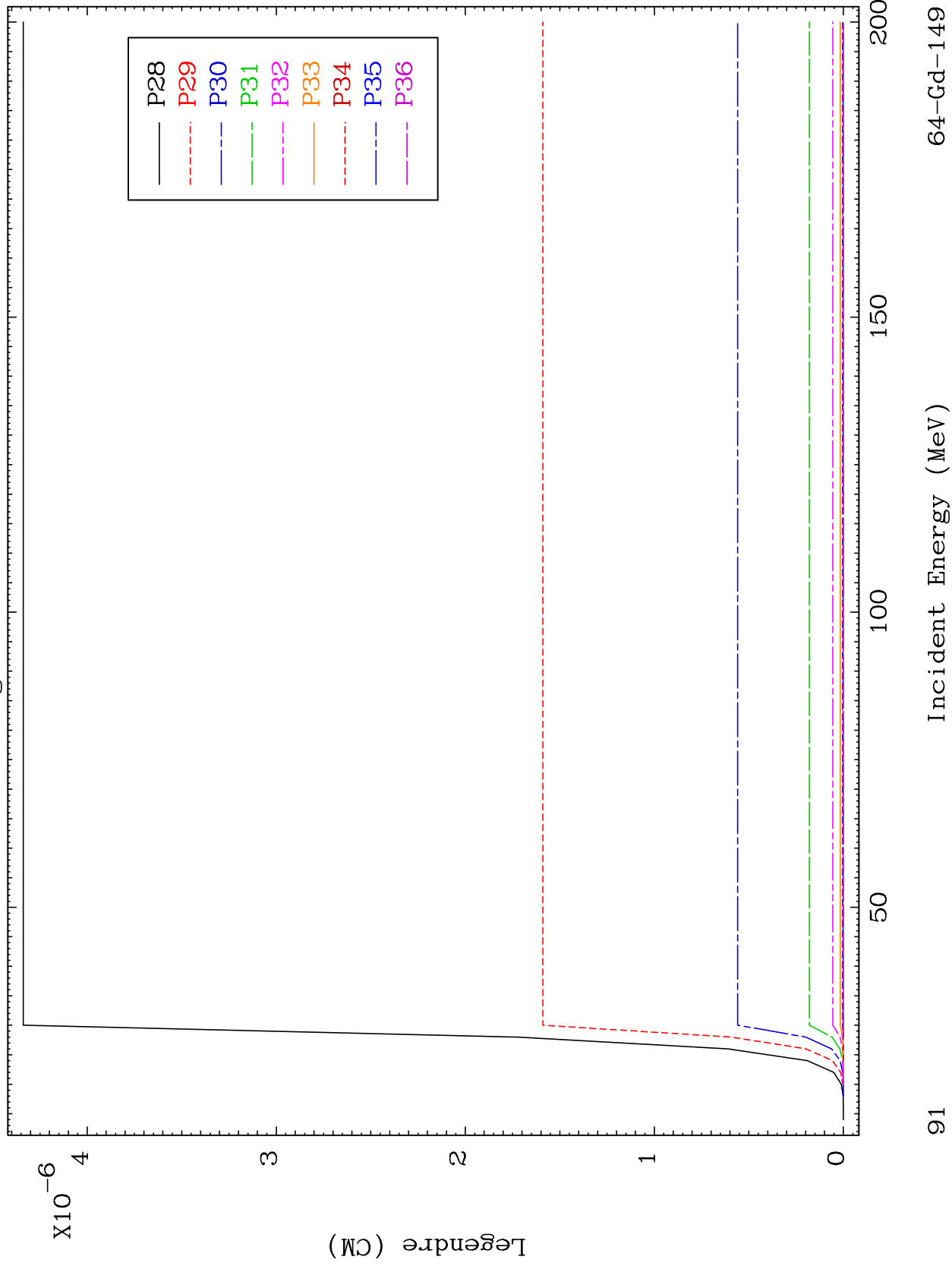
64-Gd-149



MAT 6416

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

64-Gd-149

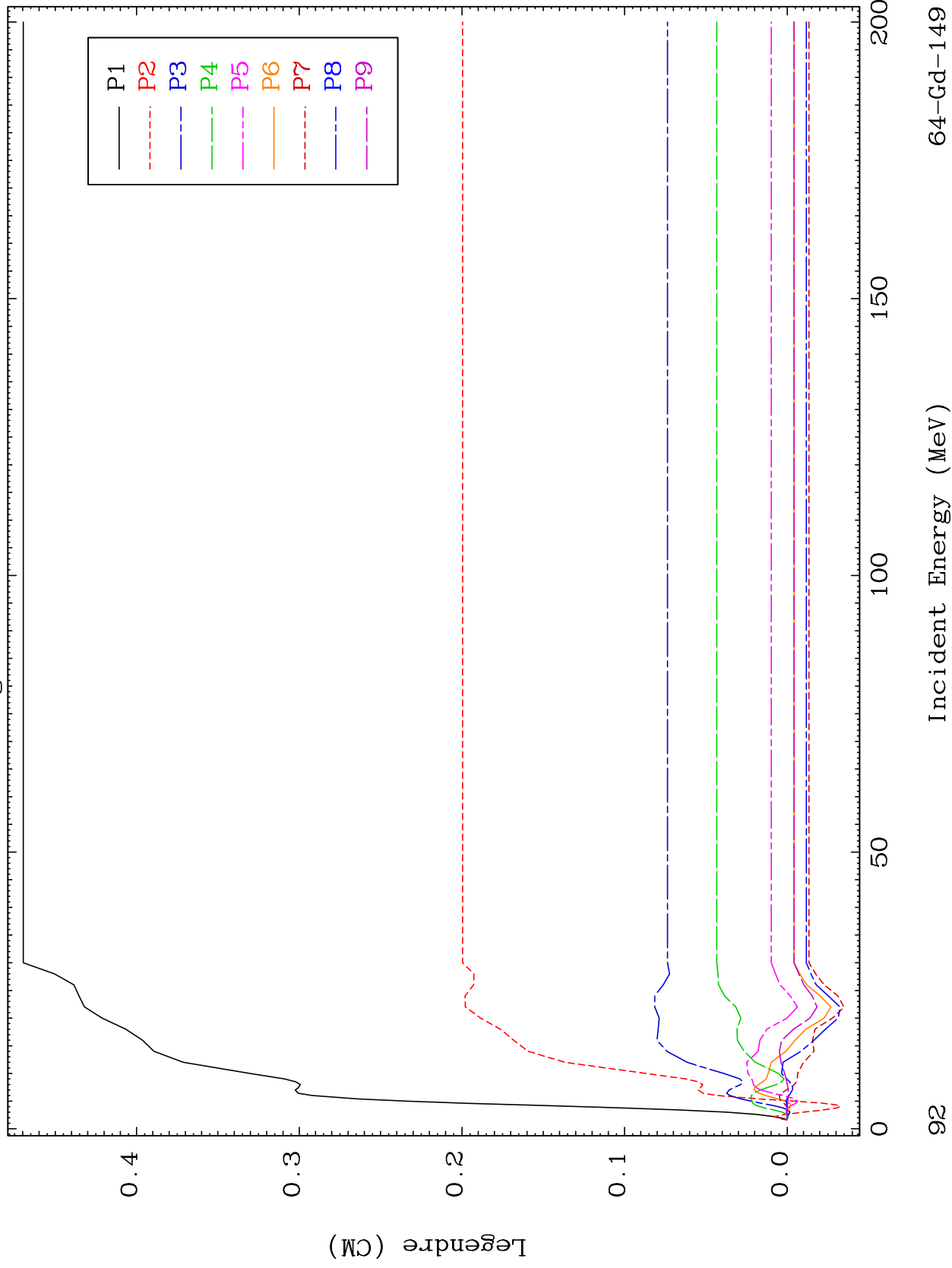


91

MAT 6416

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

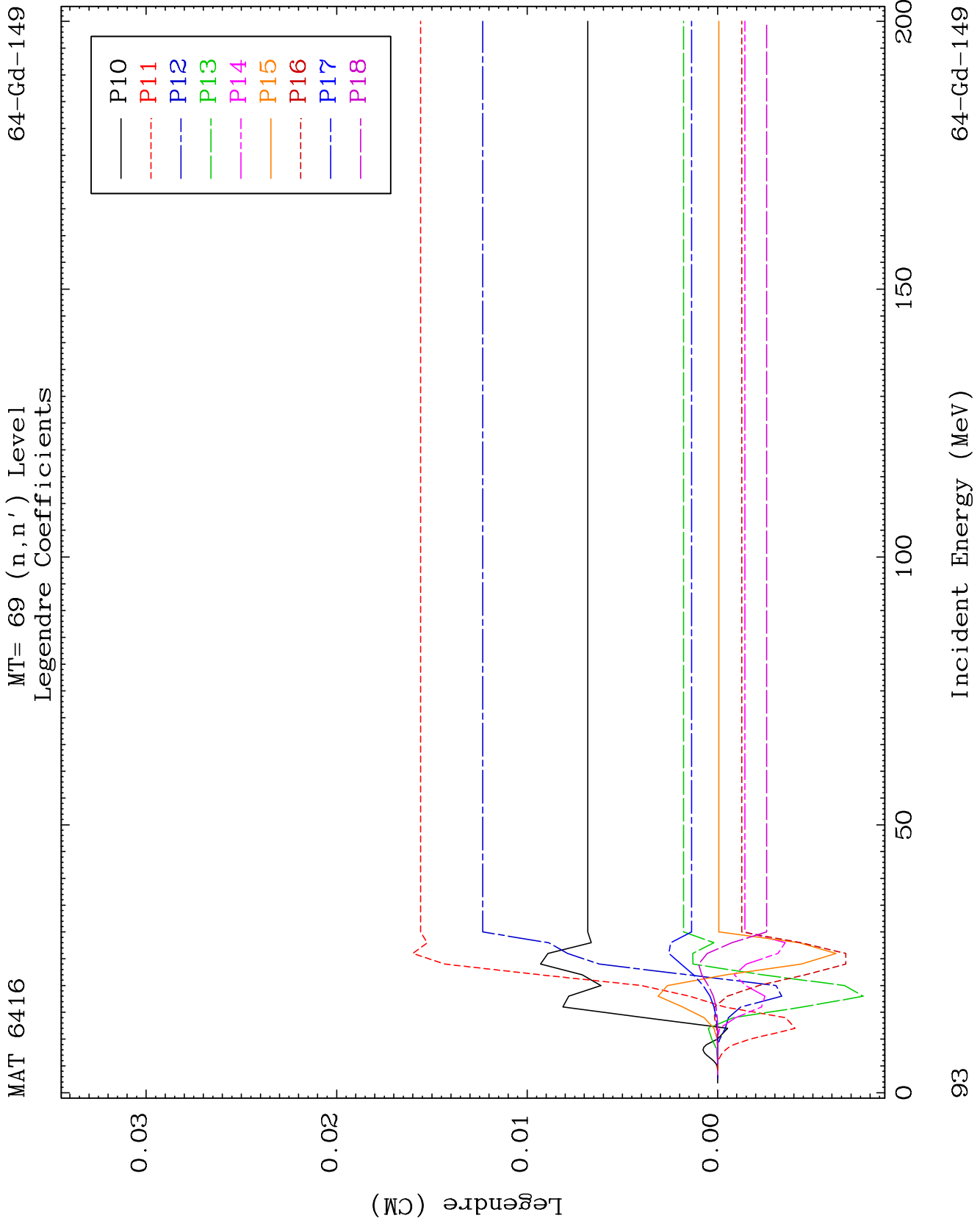
64-Gd-149



64-Gd-149

Incident Energy (MeV)

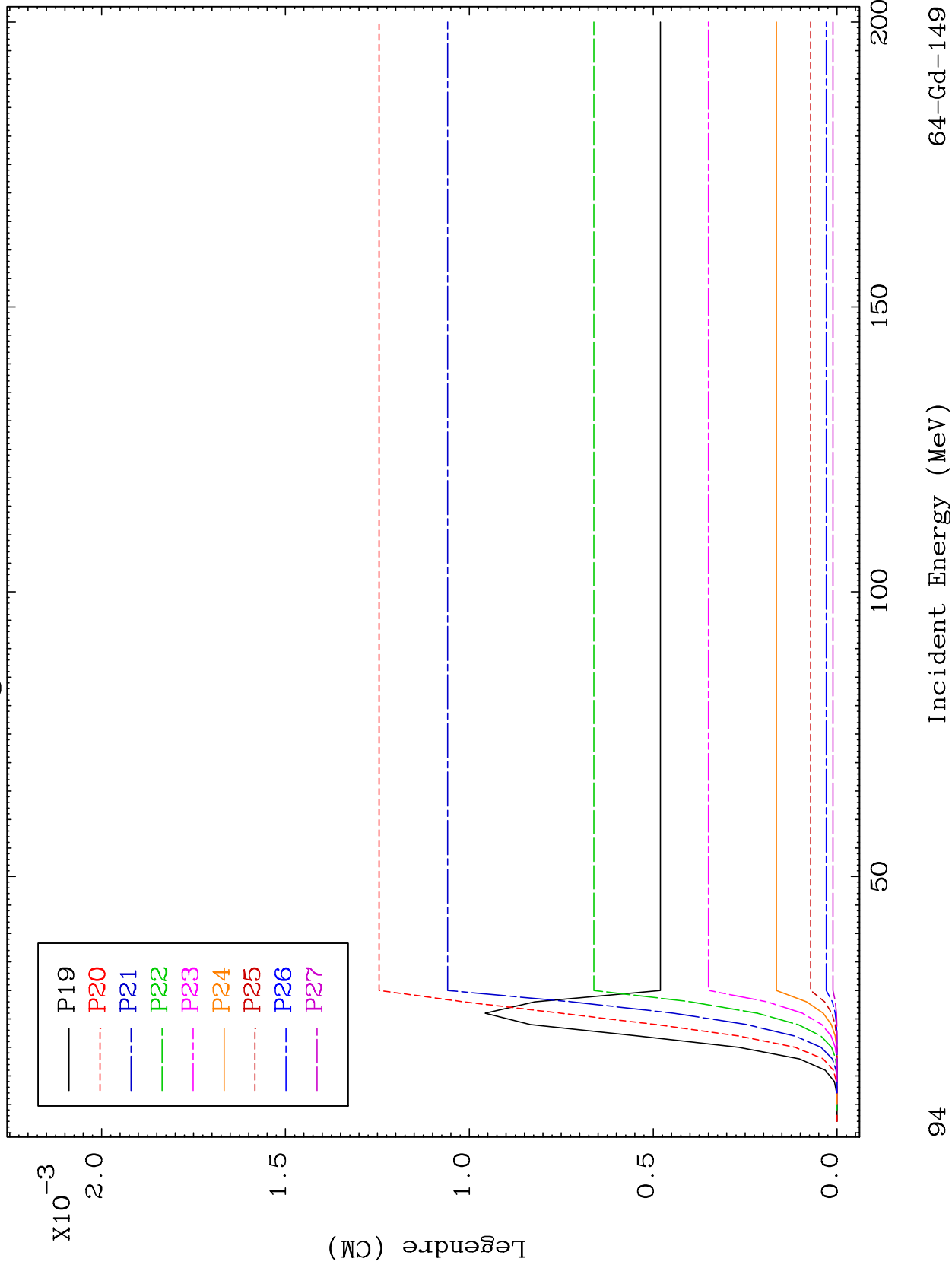
92



MAT 6416

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

64-Gd-149

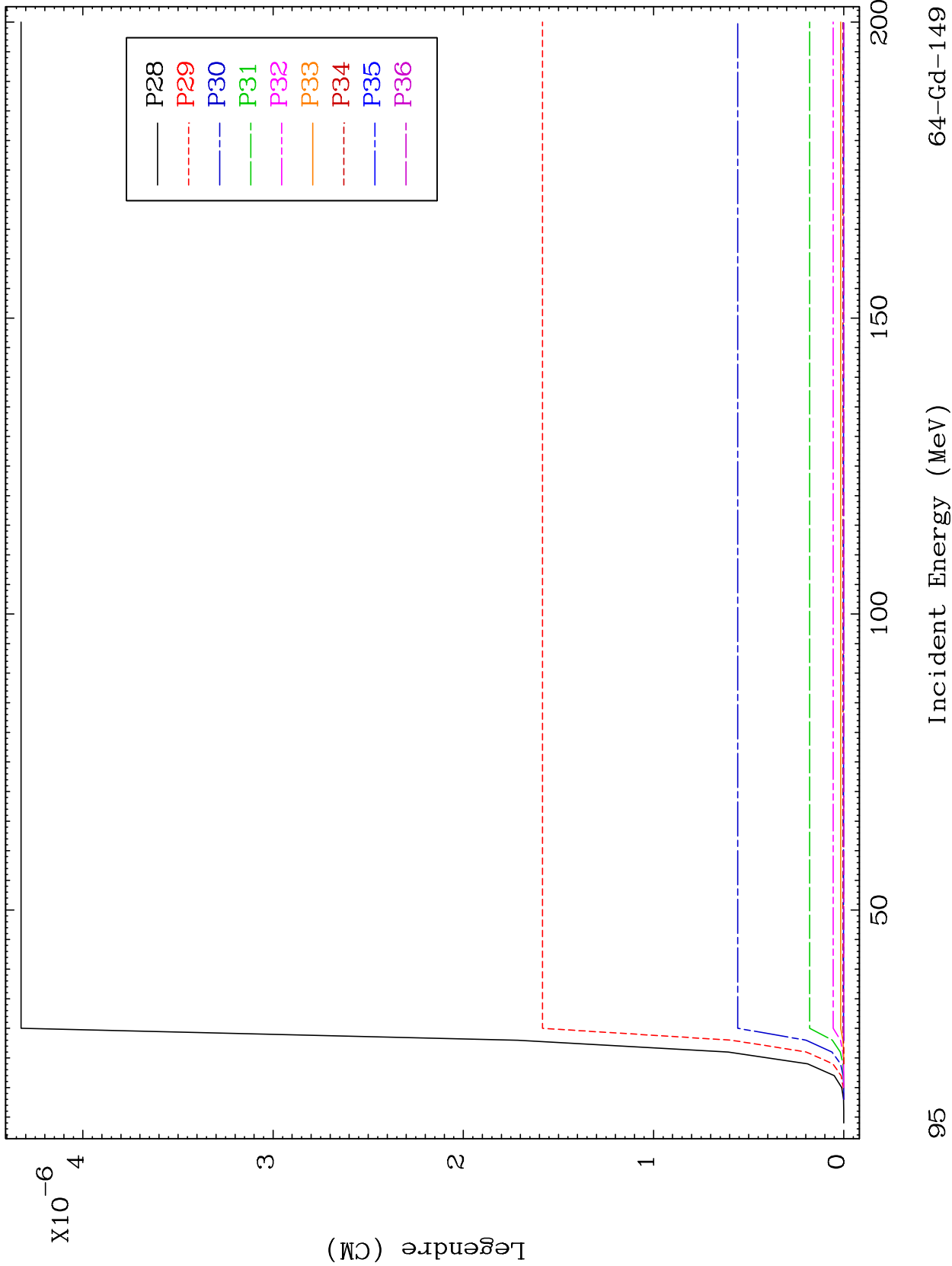


94

MAT 6416

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

64-Gd-149

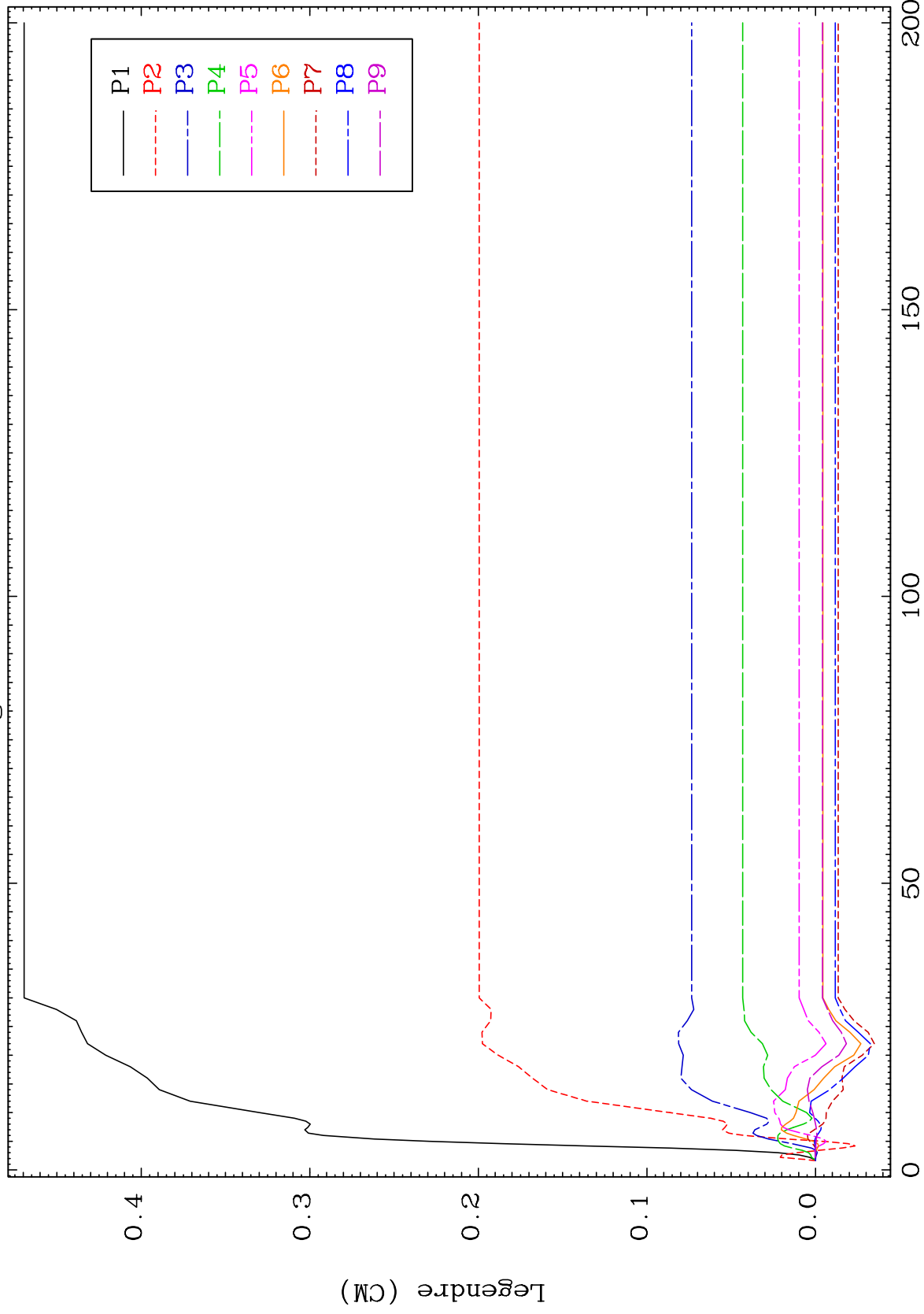




MAT 6416

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

64-Gd-149



96

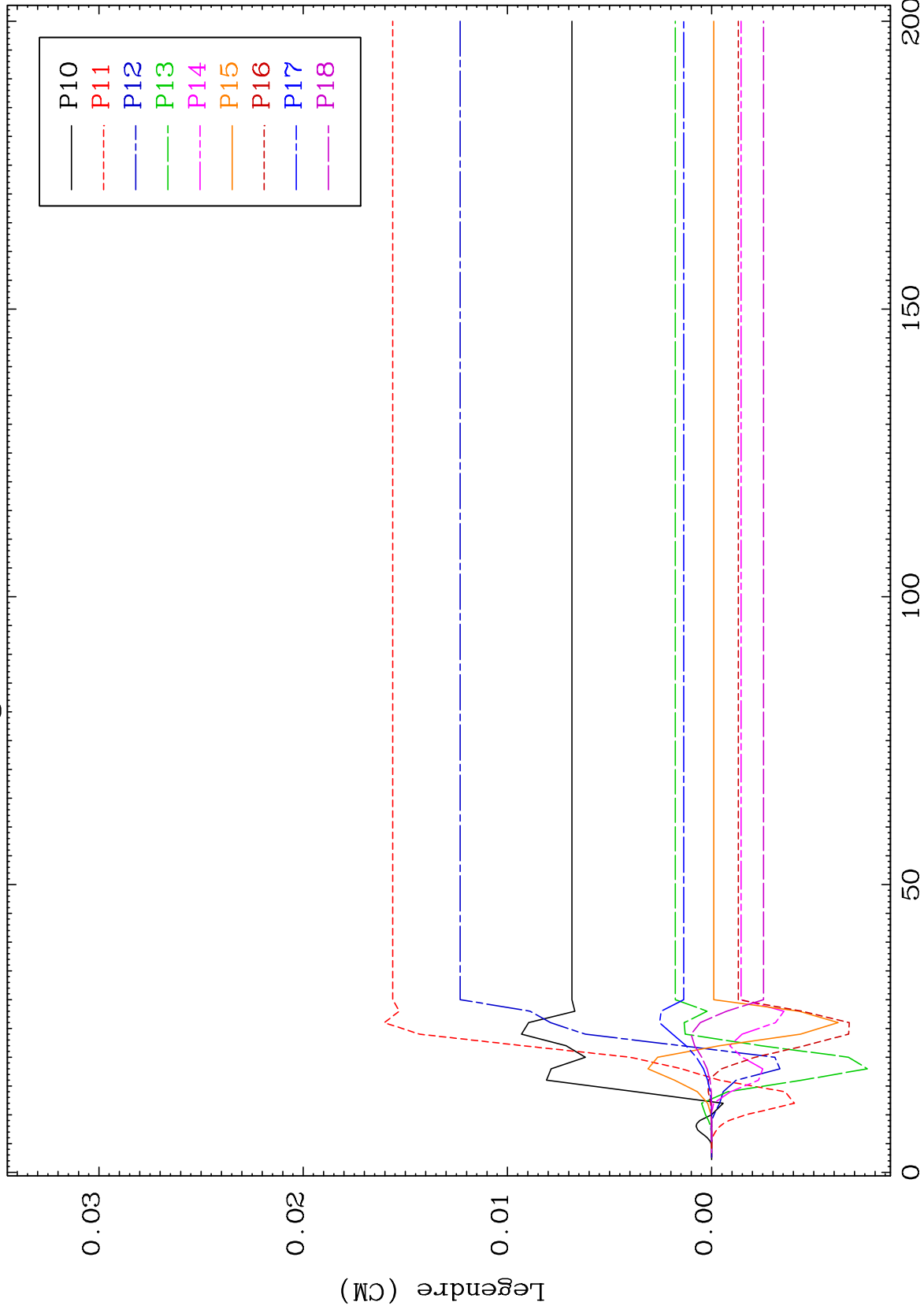
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



97

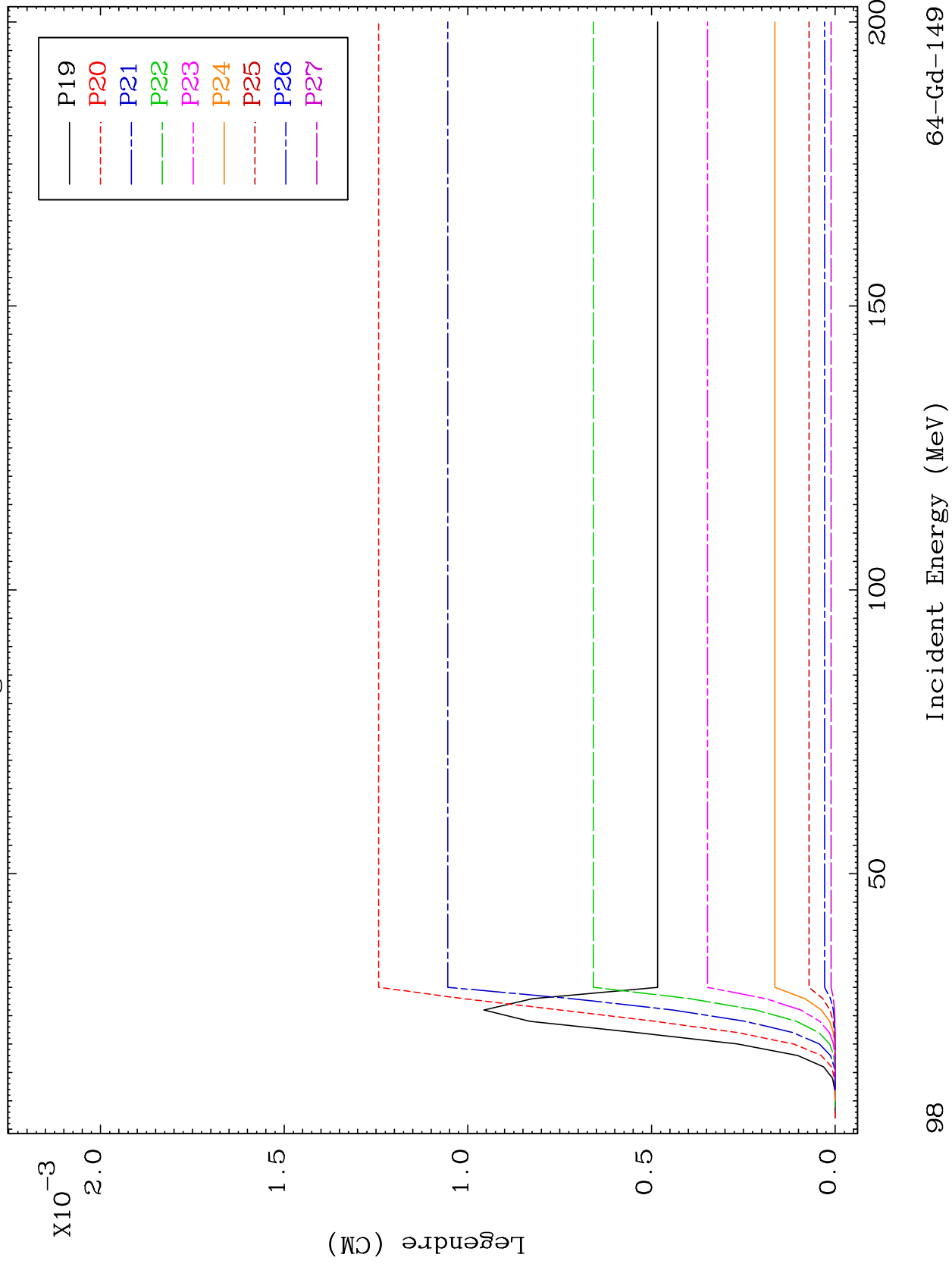
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



98

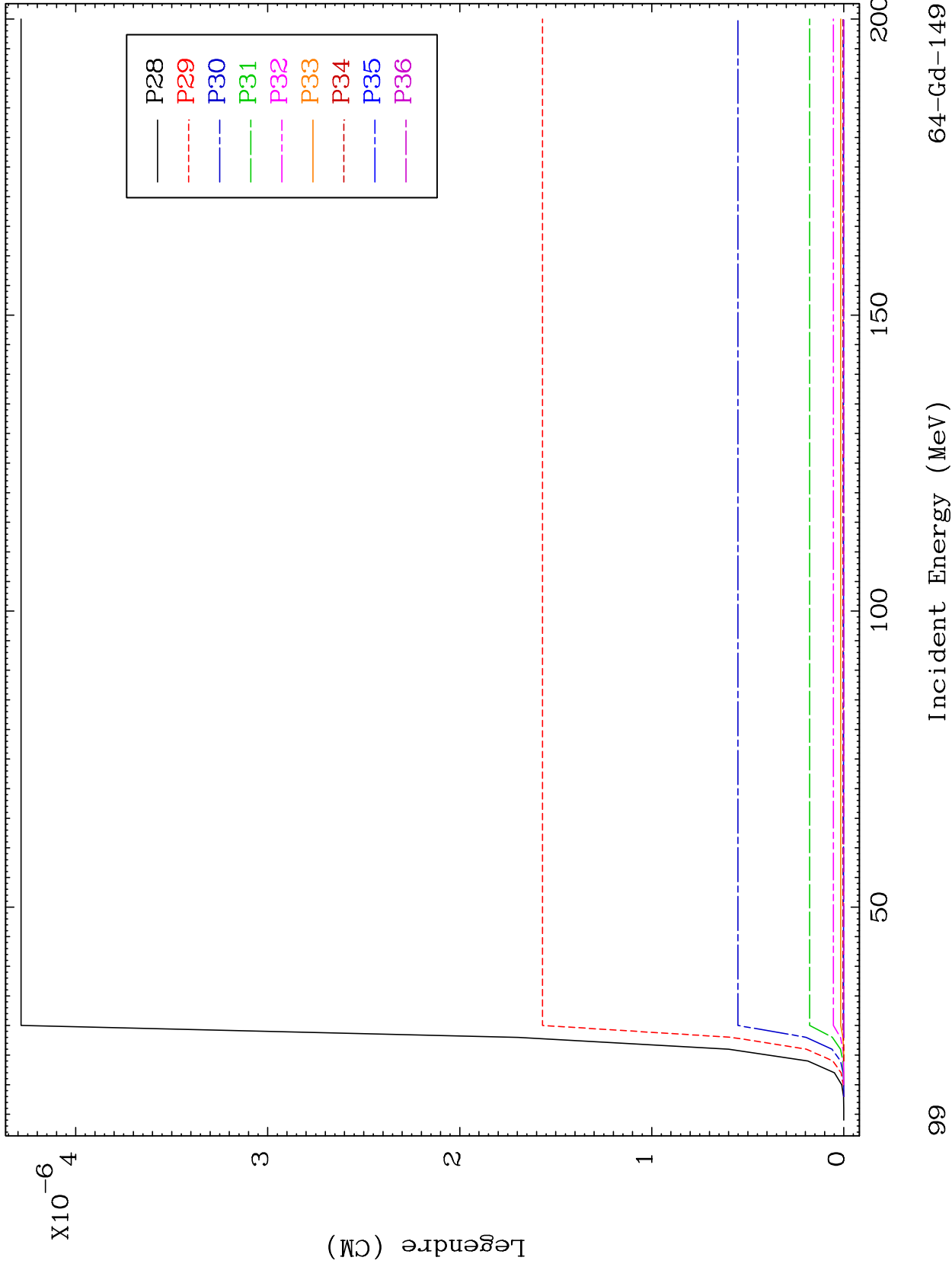
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



99

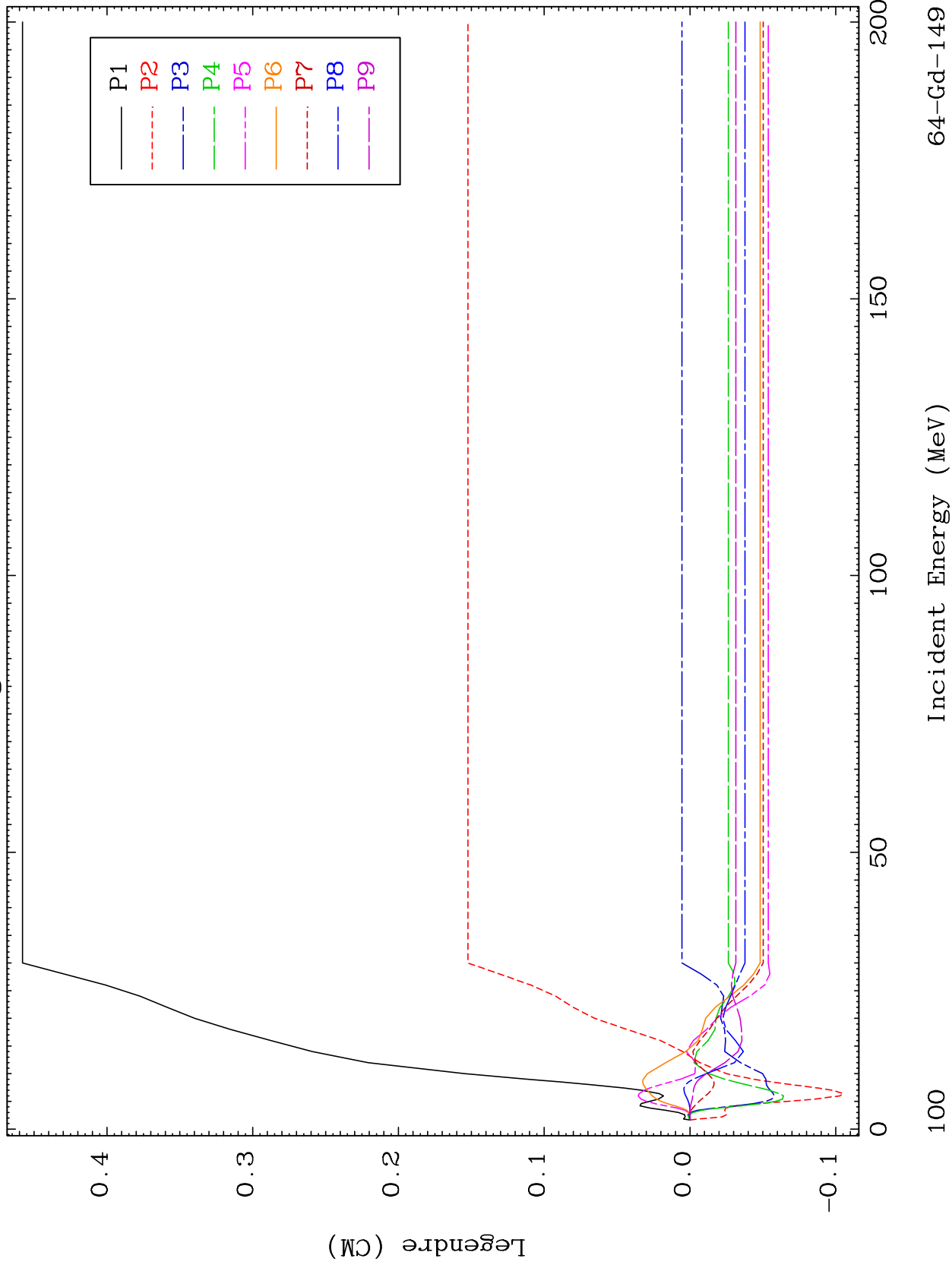
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149

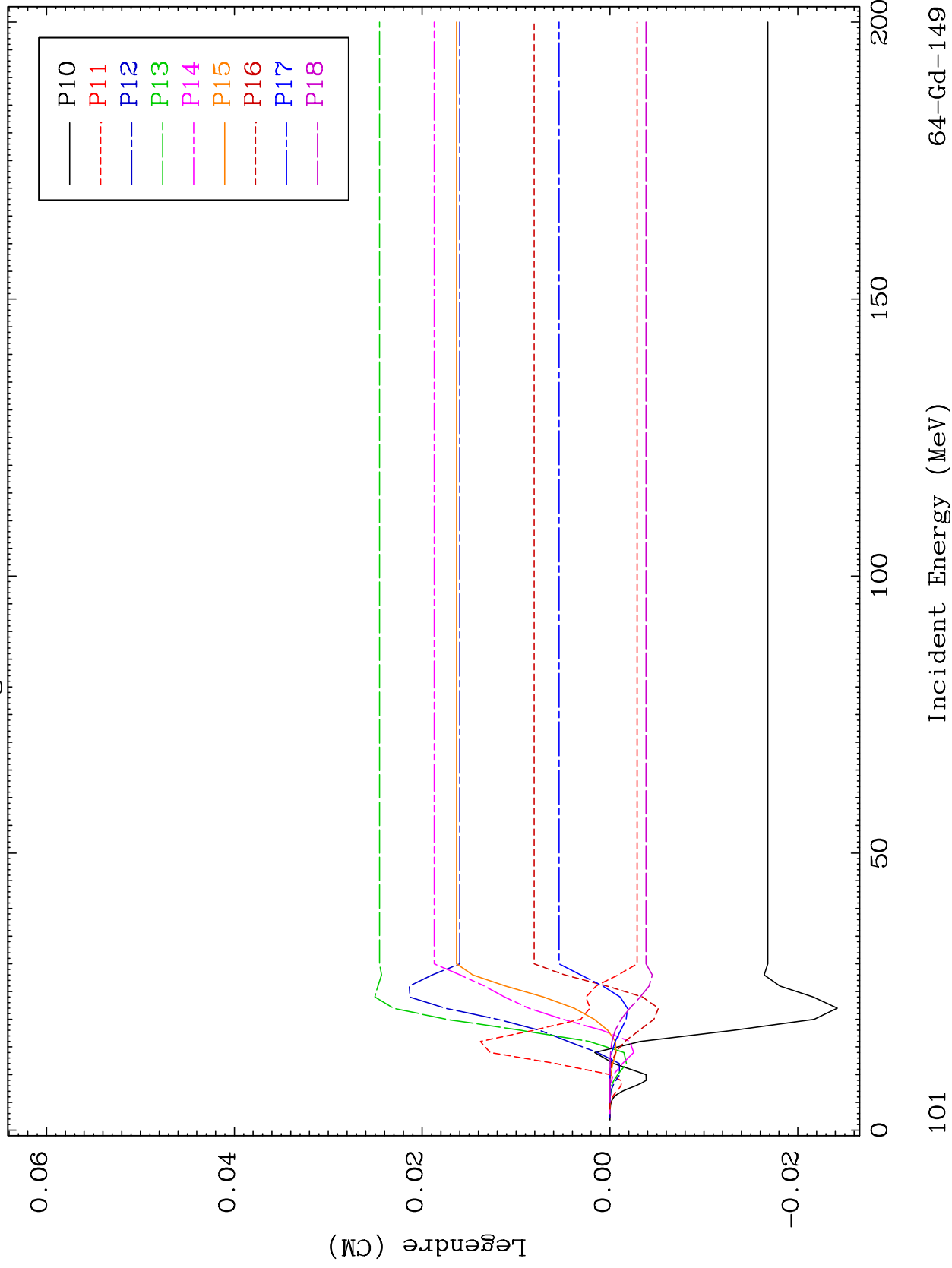


64-Gd-149

MAT 6416

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

64-Gd-149



64-Gd-149

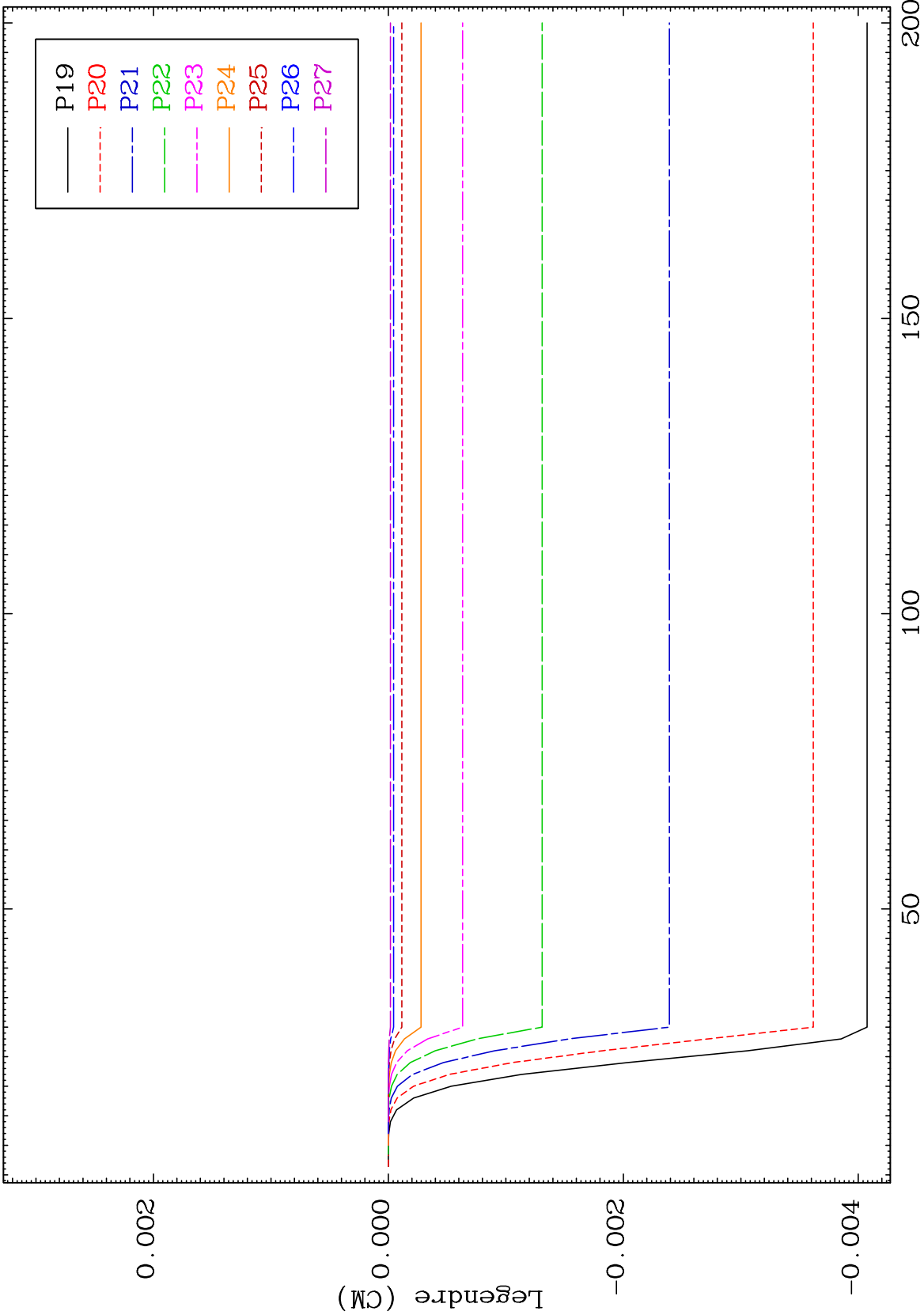
Incident Energy (MeV)

101

MAT 6416

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

64-Gd-149



102

Incident Energy (MeV)

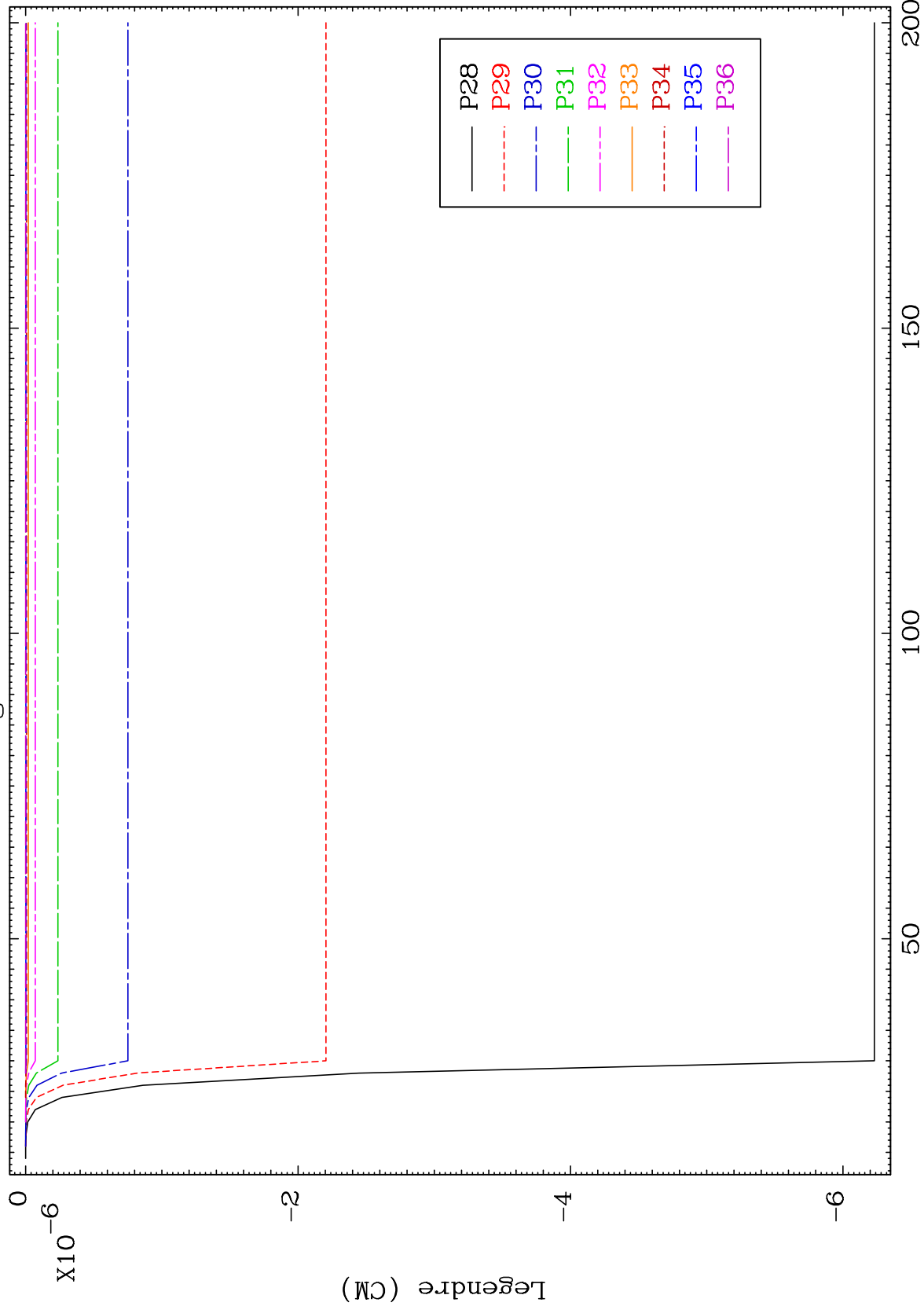
64-Gd-149

MAT 6416

MT= 71 (n,n') Level

64-Gd-149

Legendre Coefficients



64-Gd-149

Incident Energy (MeV)

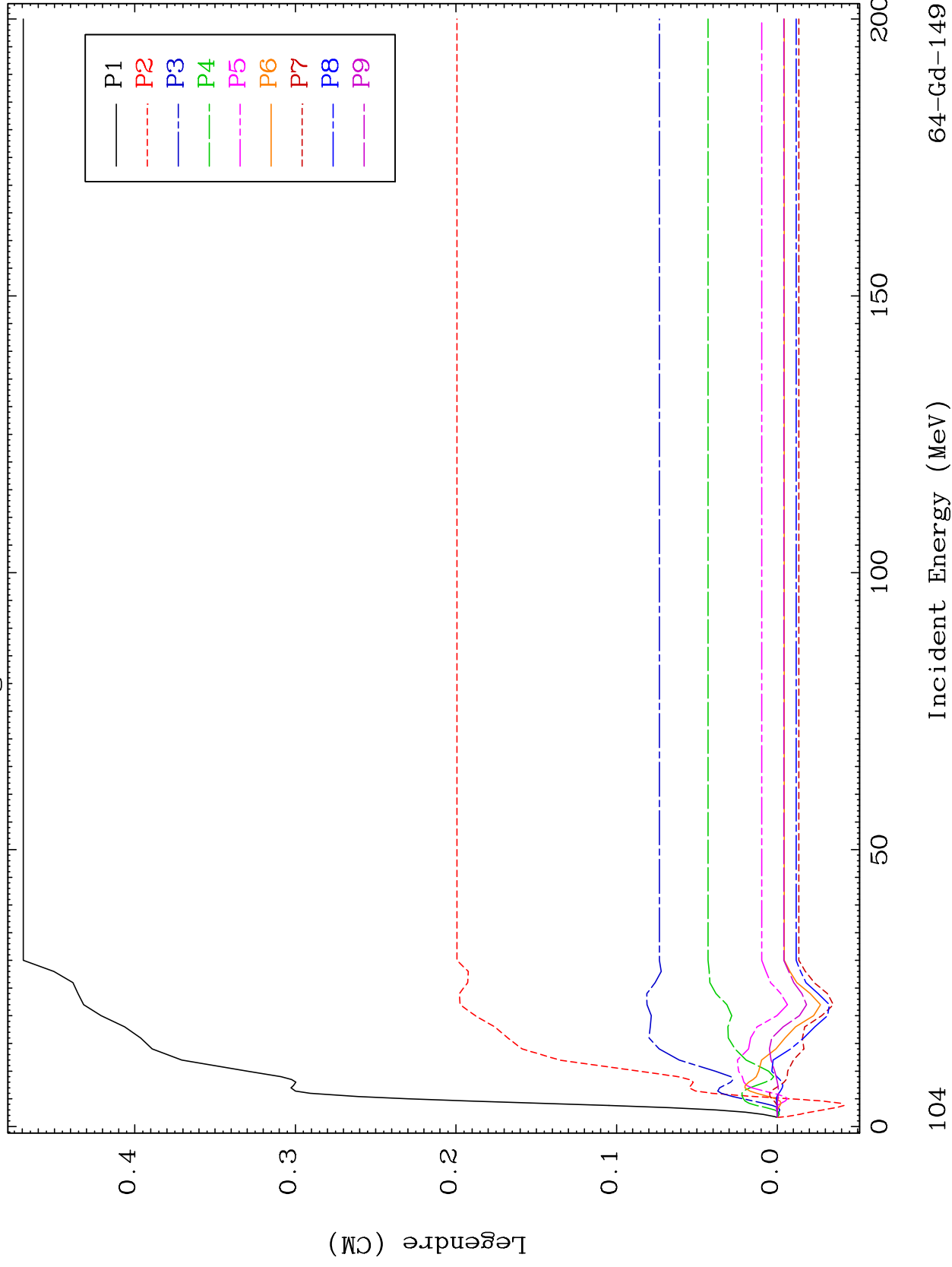
103



MAT 6416

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

64-Gd-149

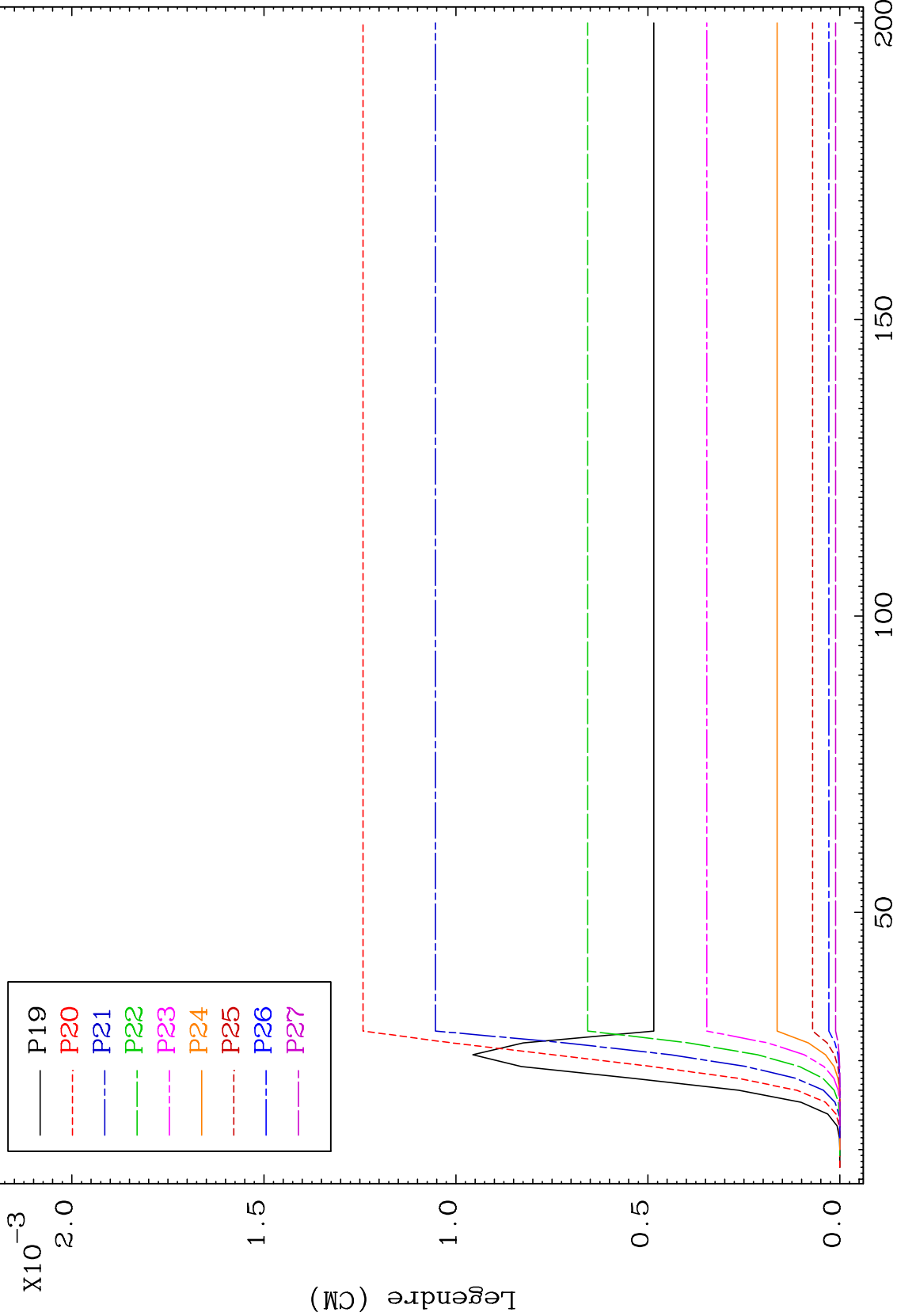
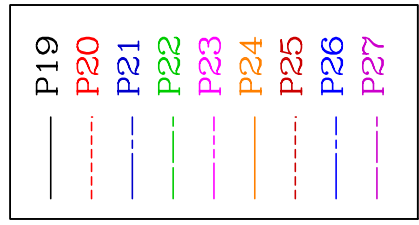




MAT 6416

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

64-Gd-149



106

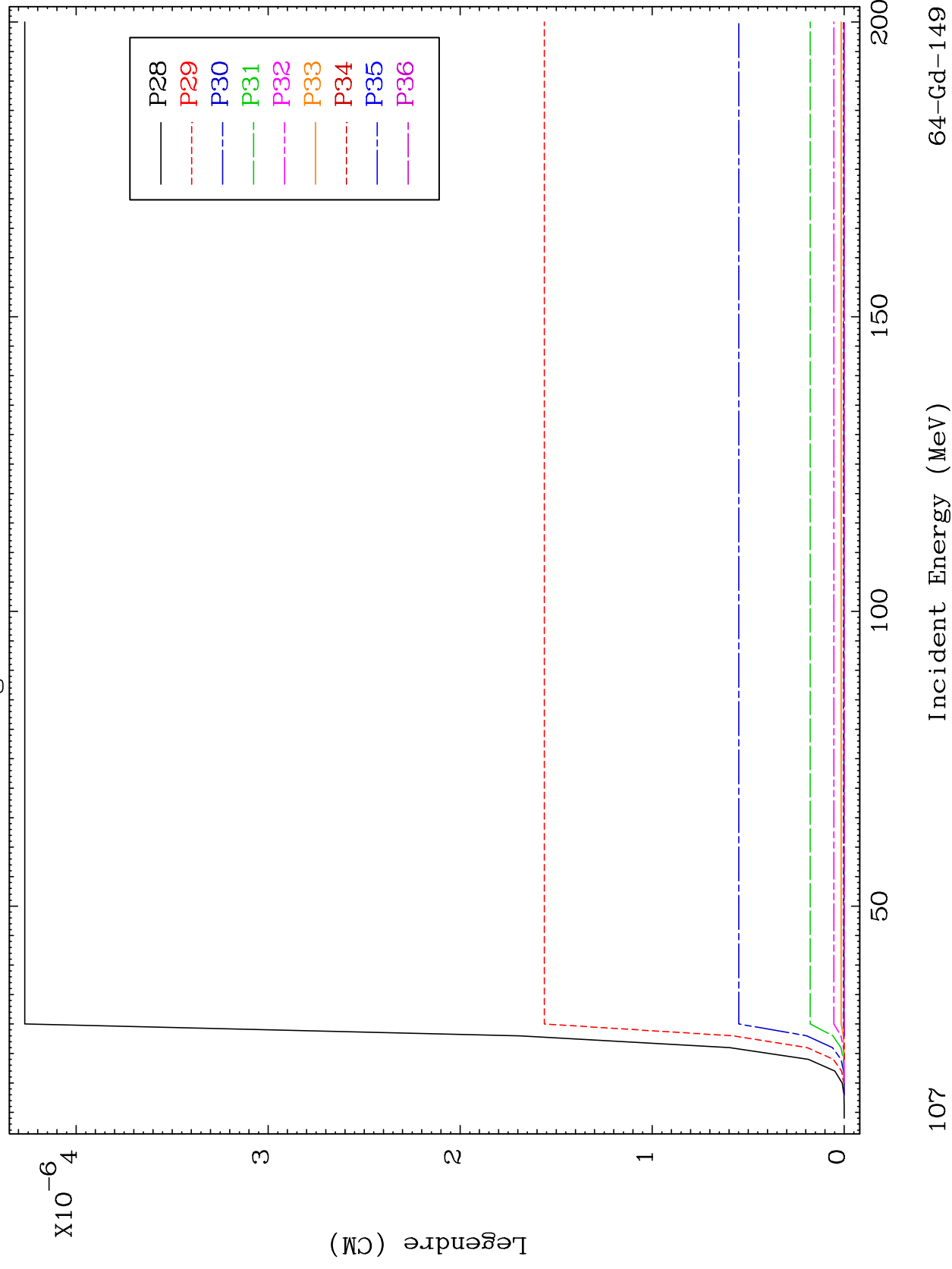
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



107

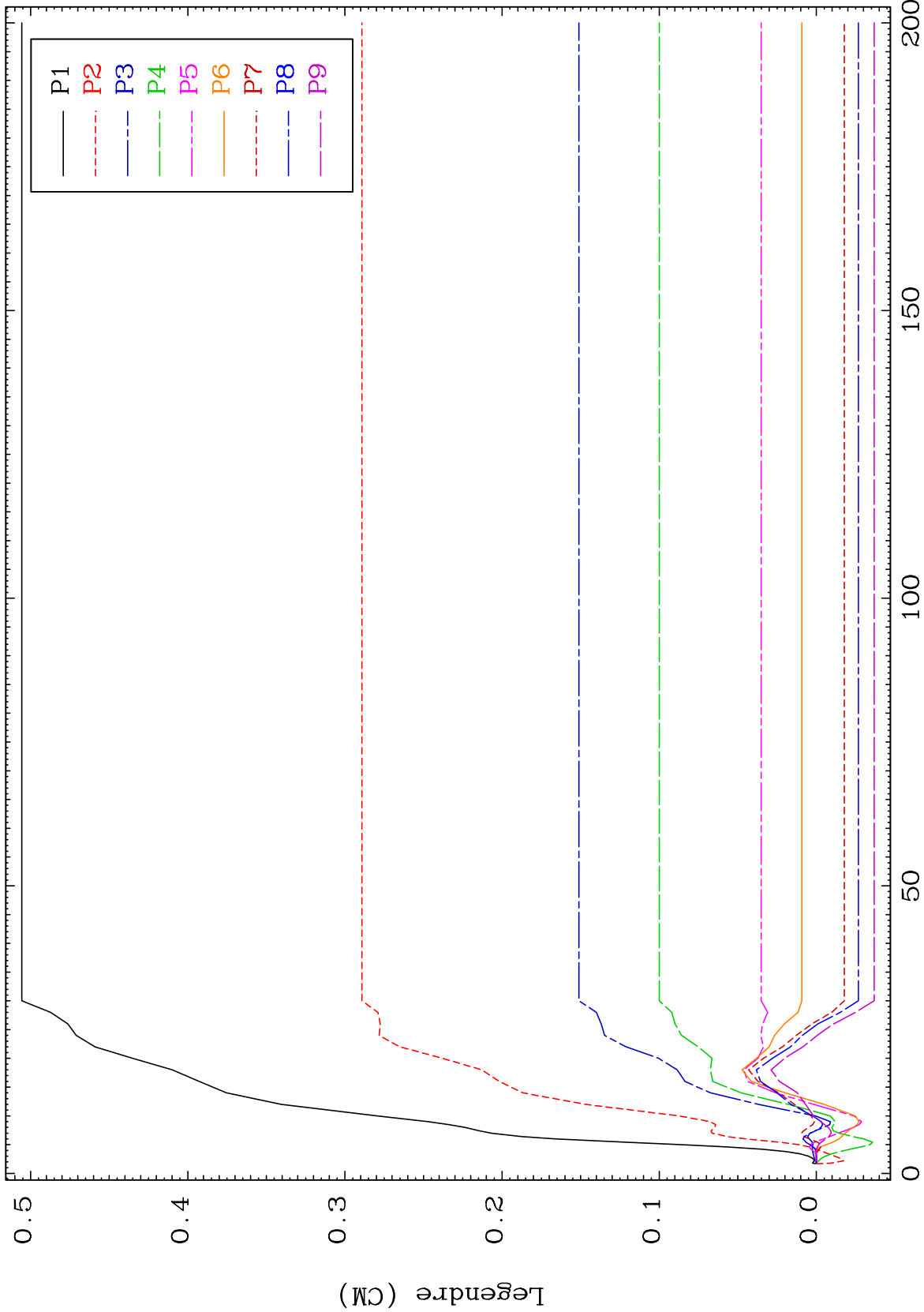
64-Gd-149

MAT 6416

MT= 73 (n,n') Level

64-Gd-149

Legendre Coefficients



108

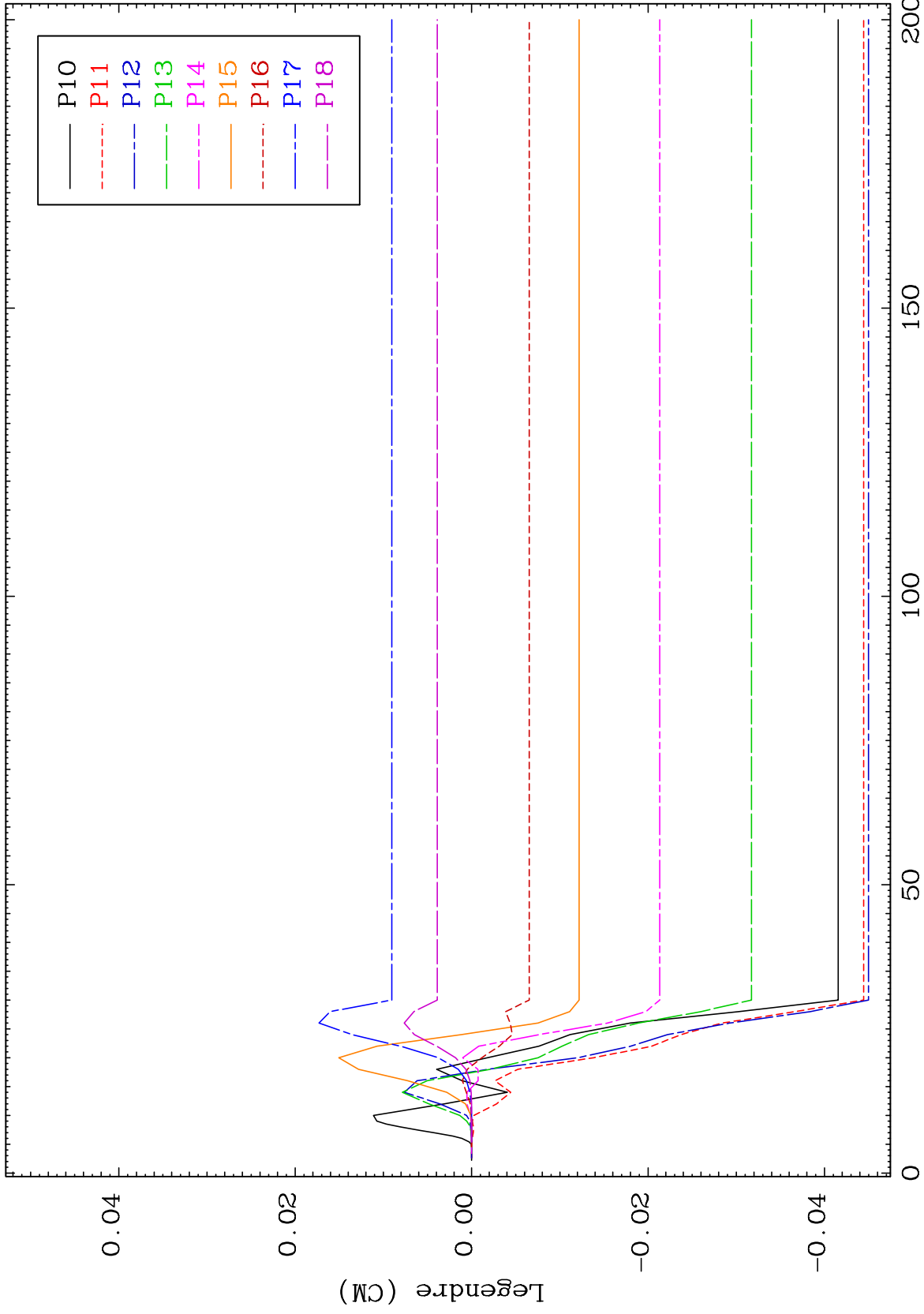
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



109

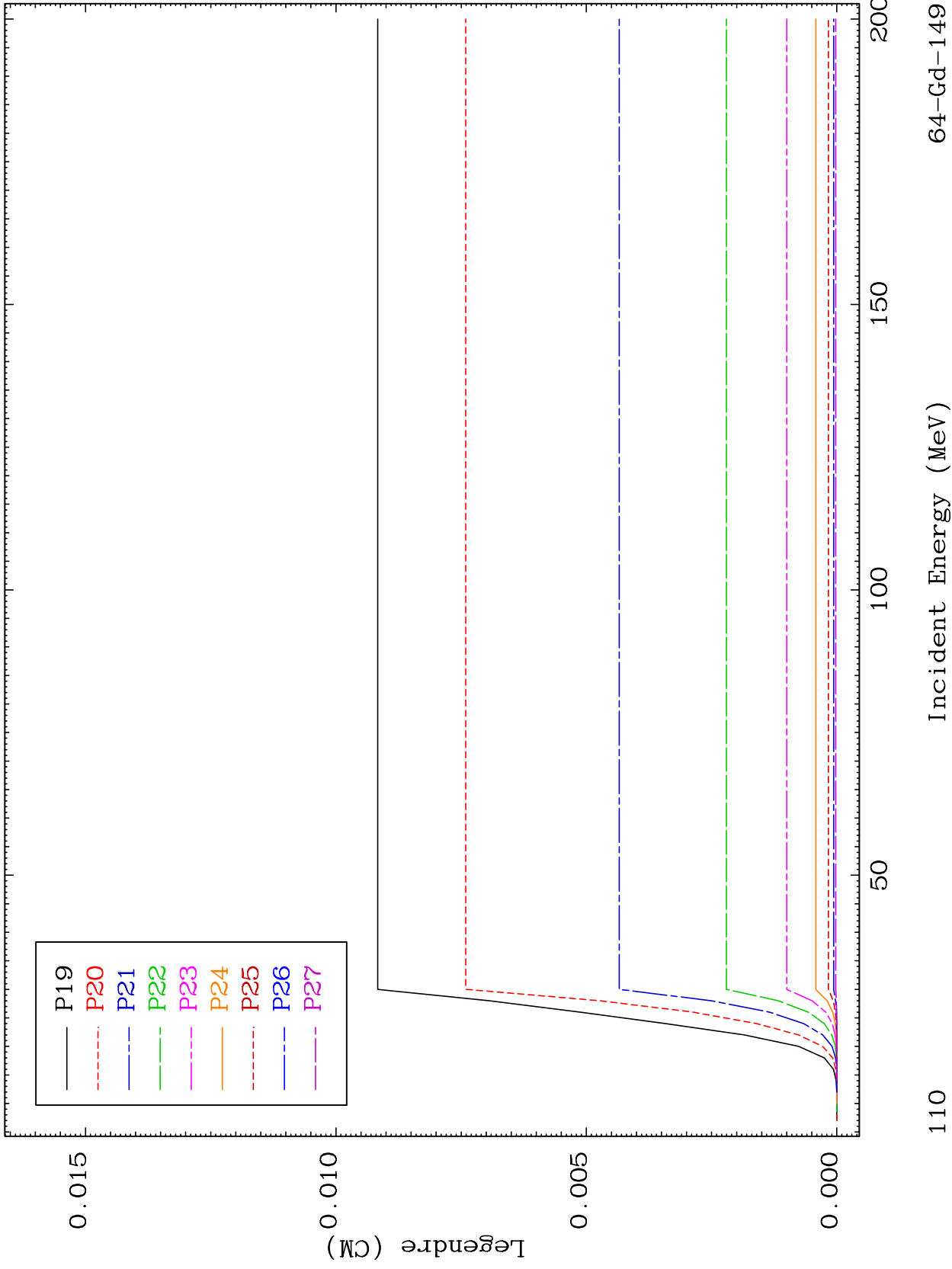
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



110

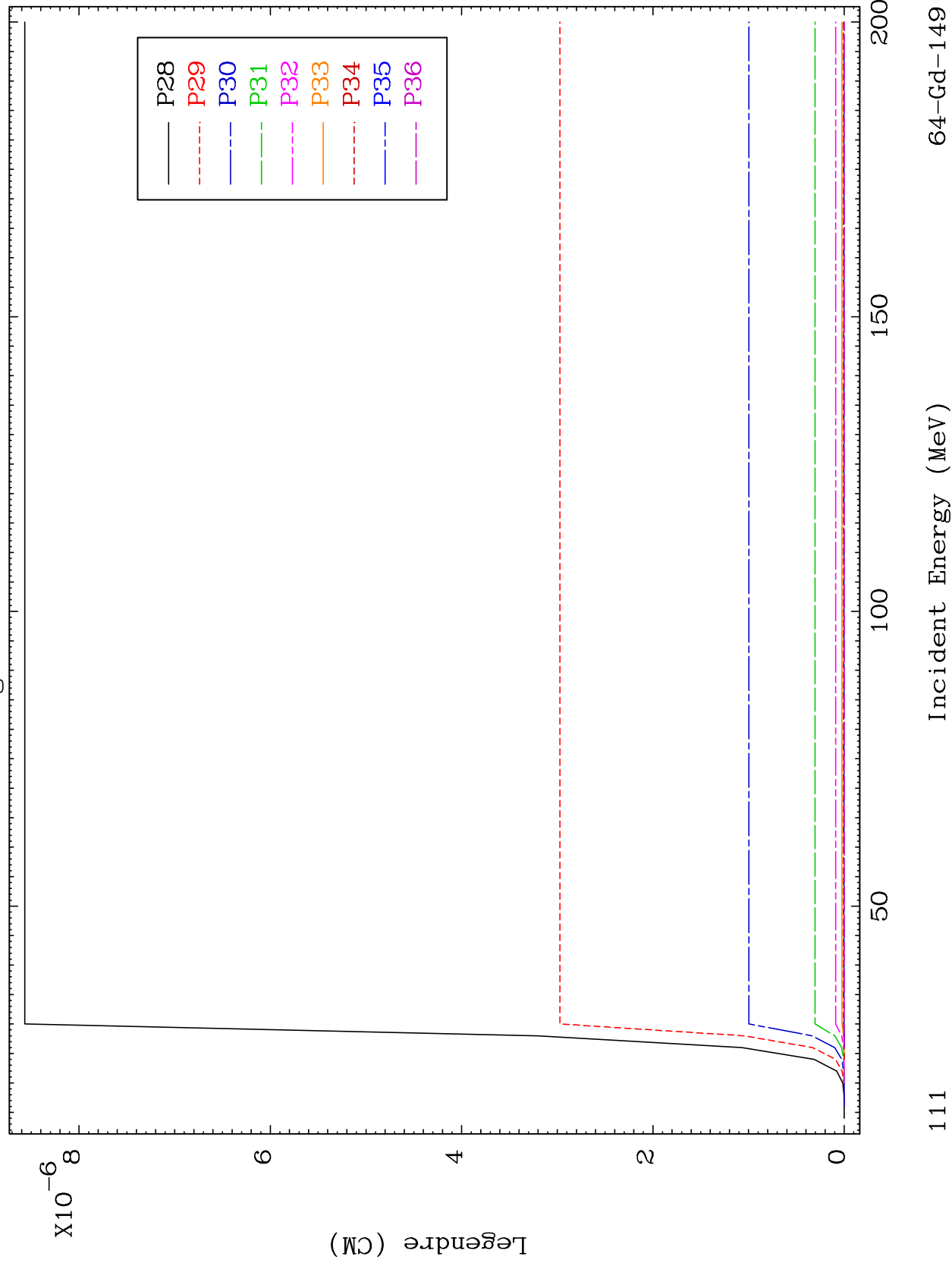
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



111

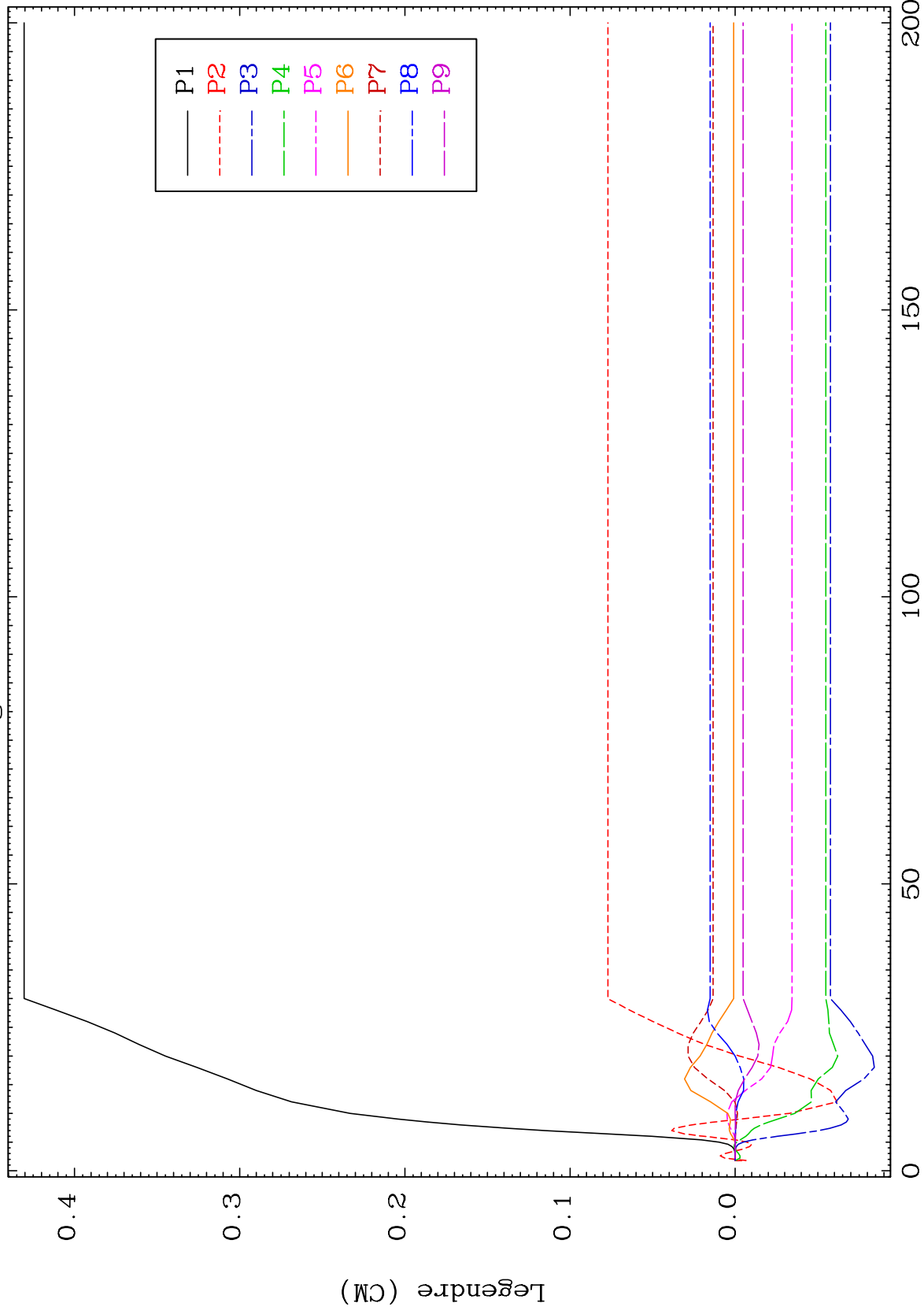
64-Gd-149



MAT 6416

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

64-Gd-149



64-Gd-149

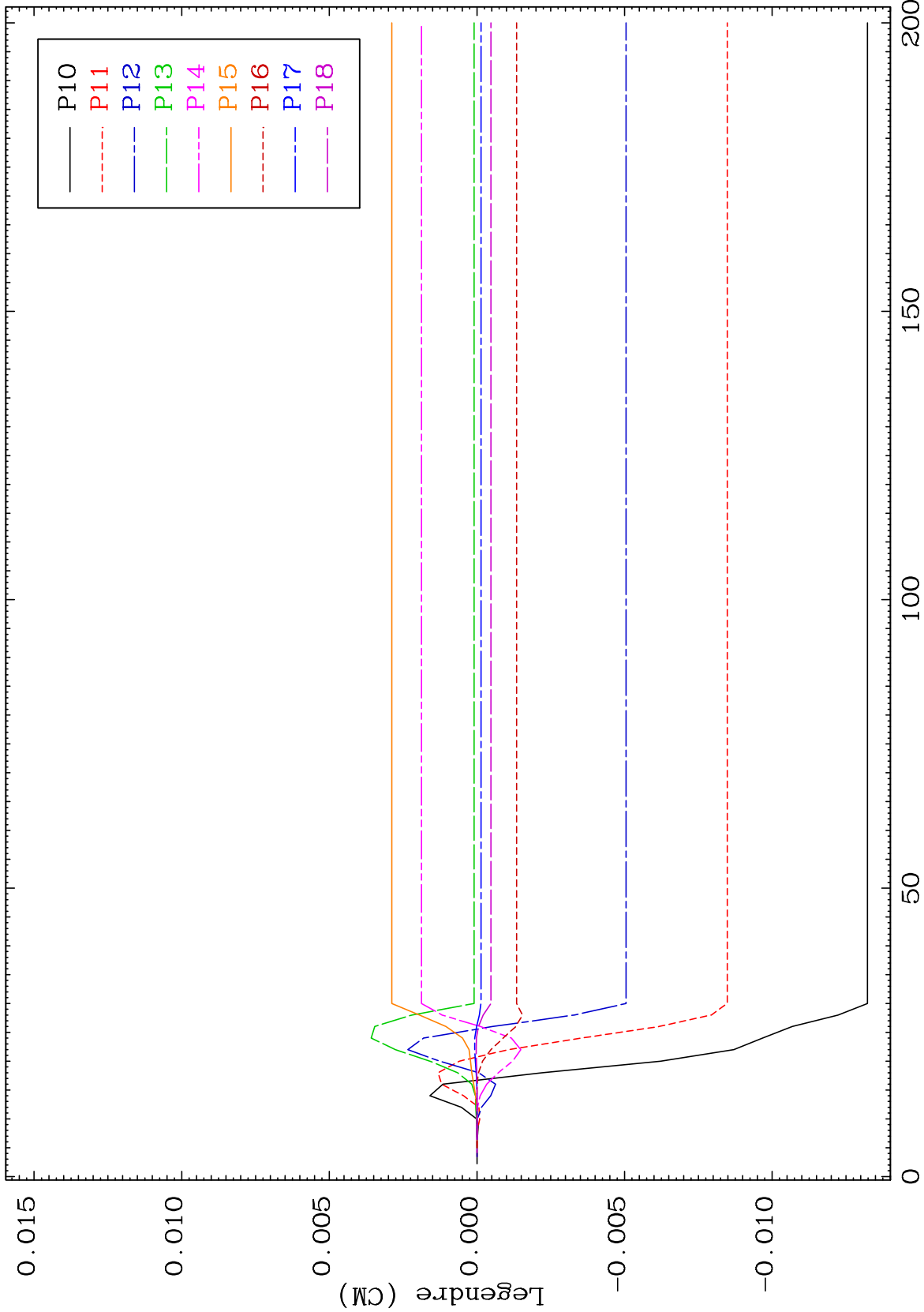
Incident Energy (MeV)

112

MAT 6416

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

64-Gd-149



113

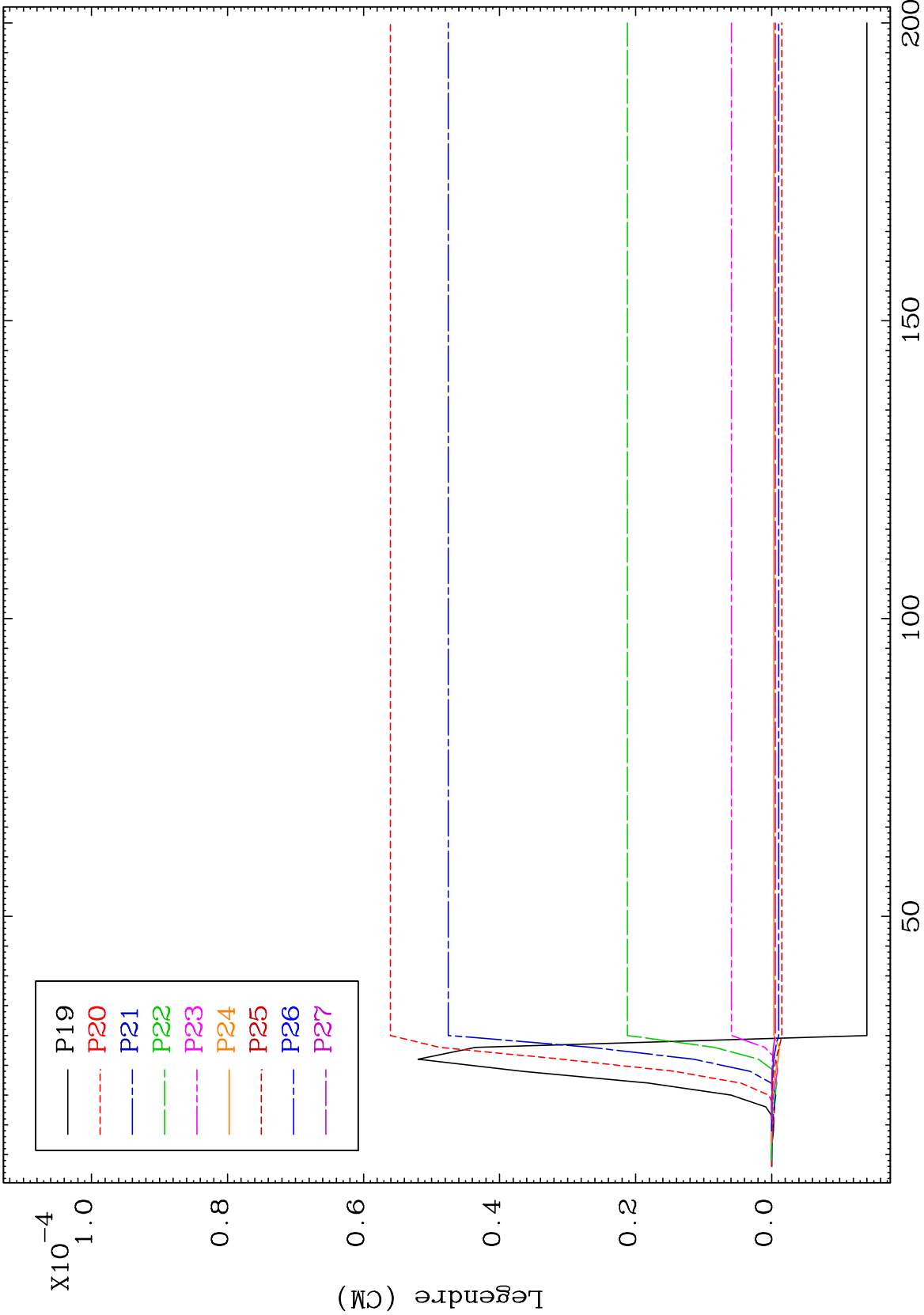
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



114

Incident Energy (MeV)

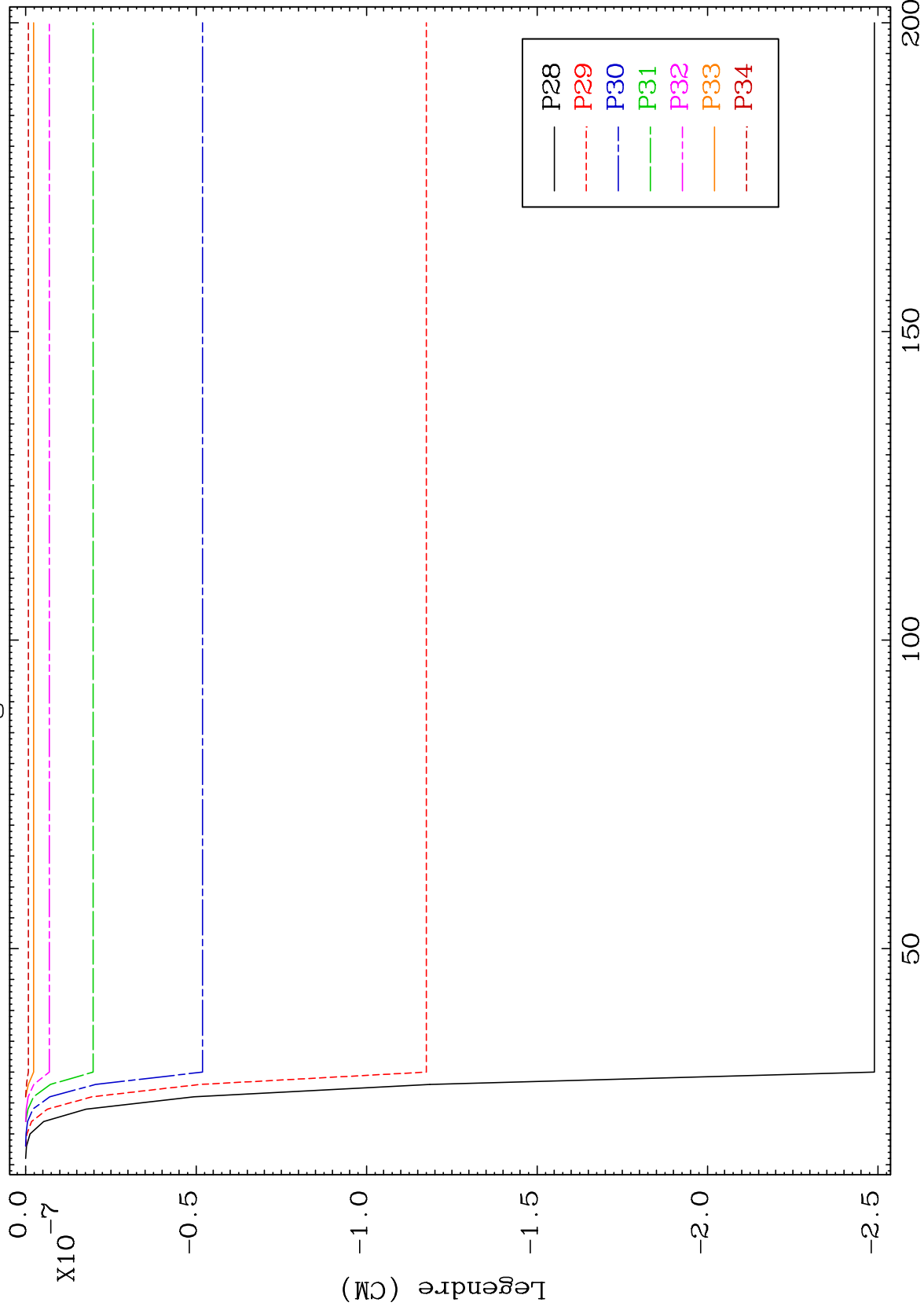
64-Gd-149

MAT 6416

MT= 74 (n,n') Level

64-Gd-149

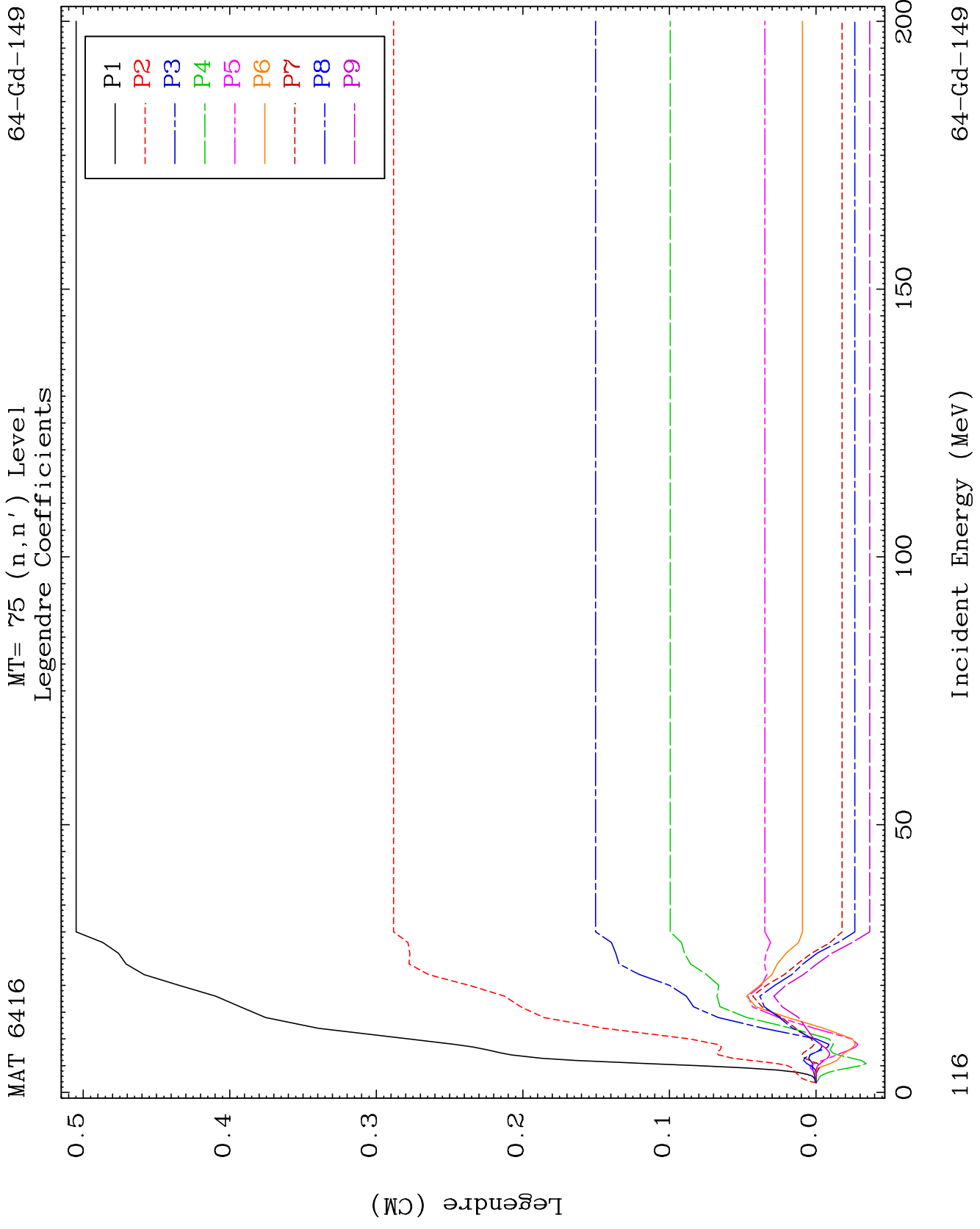
Legendre Coefficients



115

Incident Energy (MeV)

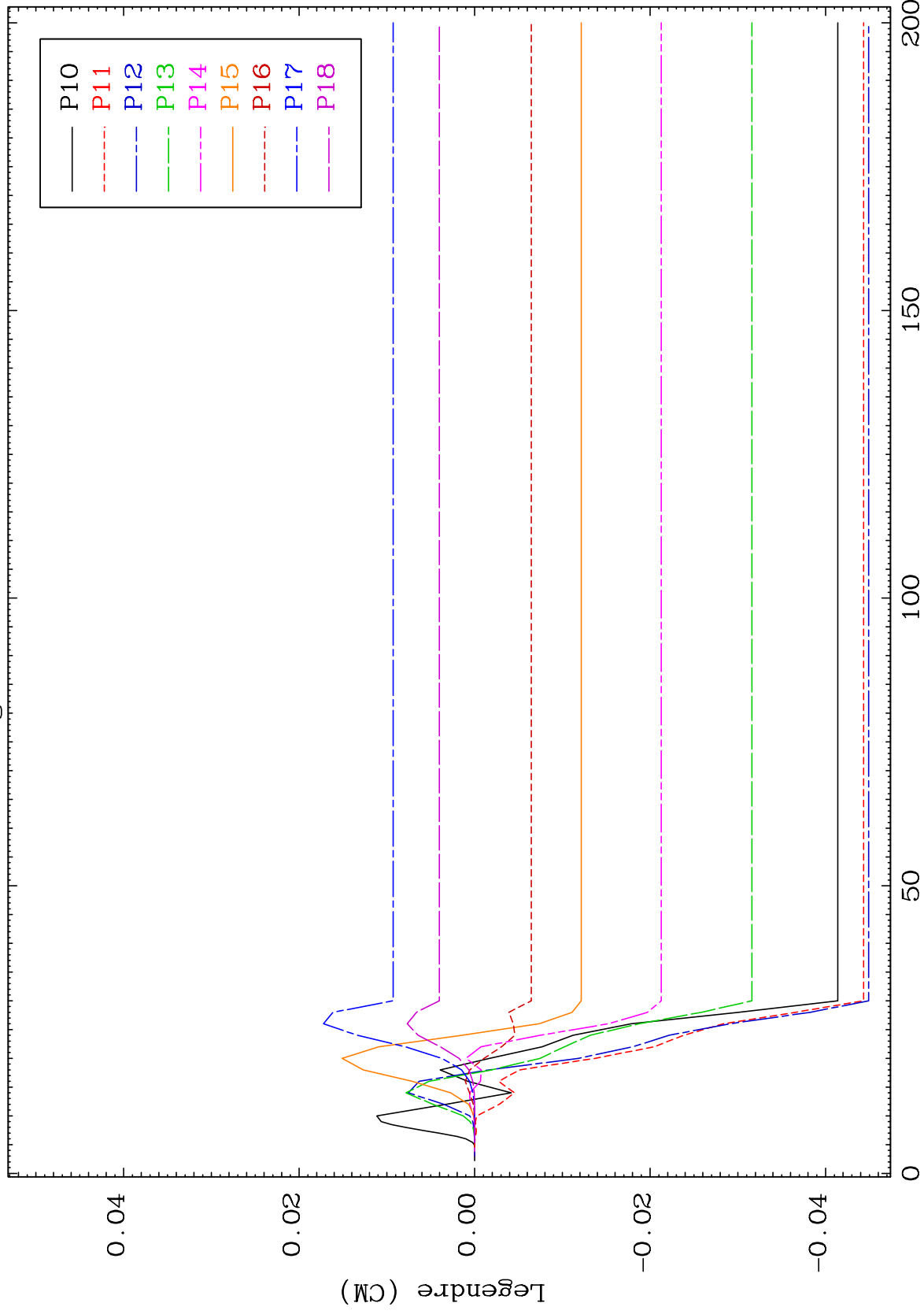
64-Gd-149



MAT 6416

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

64-Gd-149



117

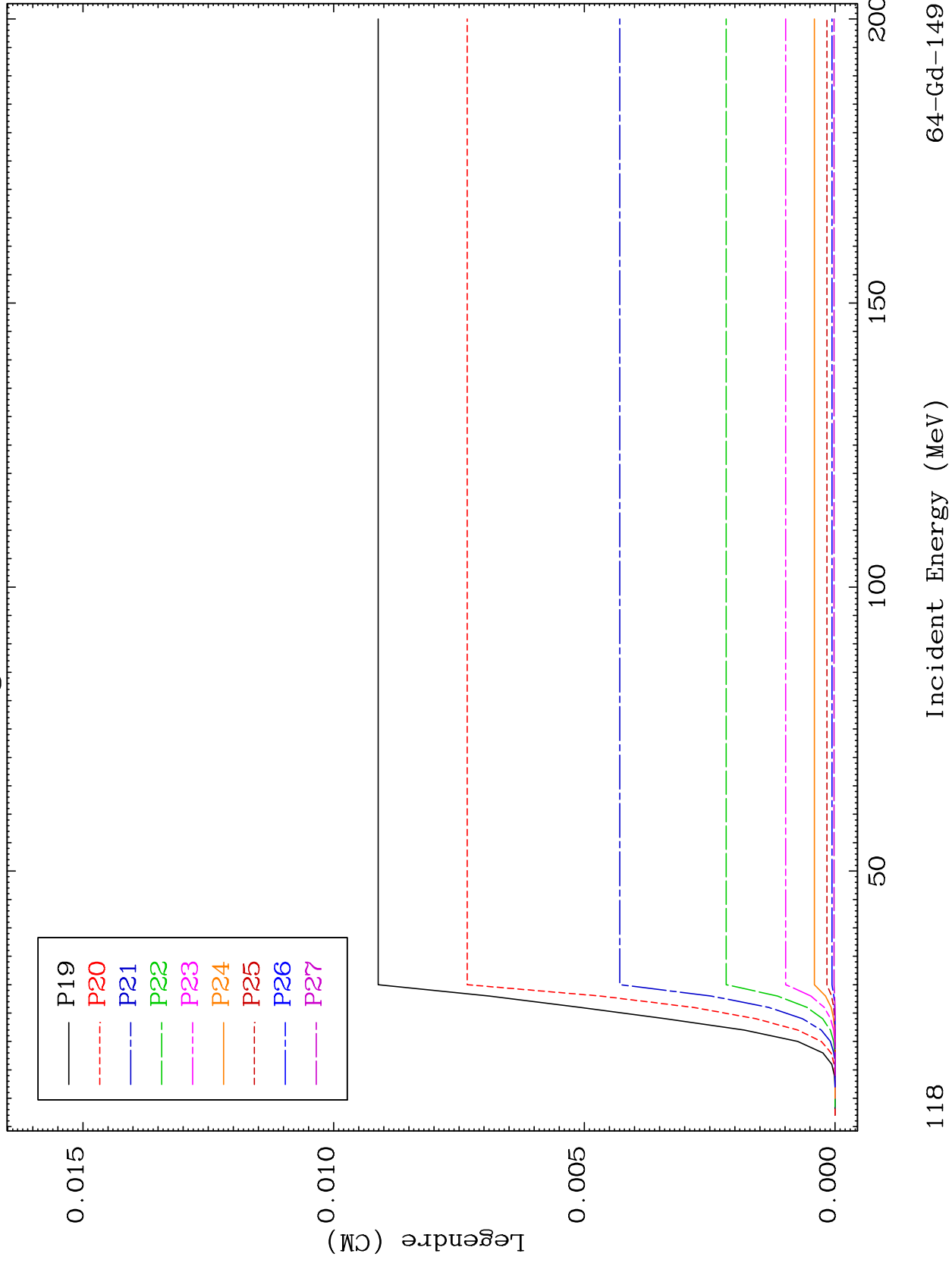
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



118

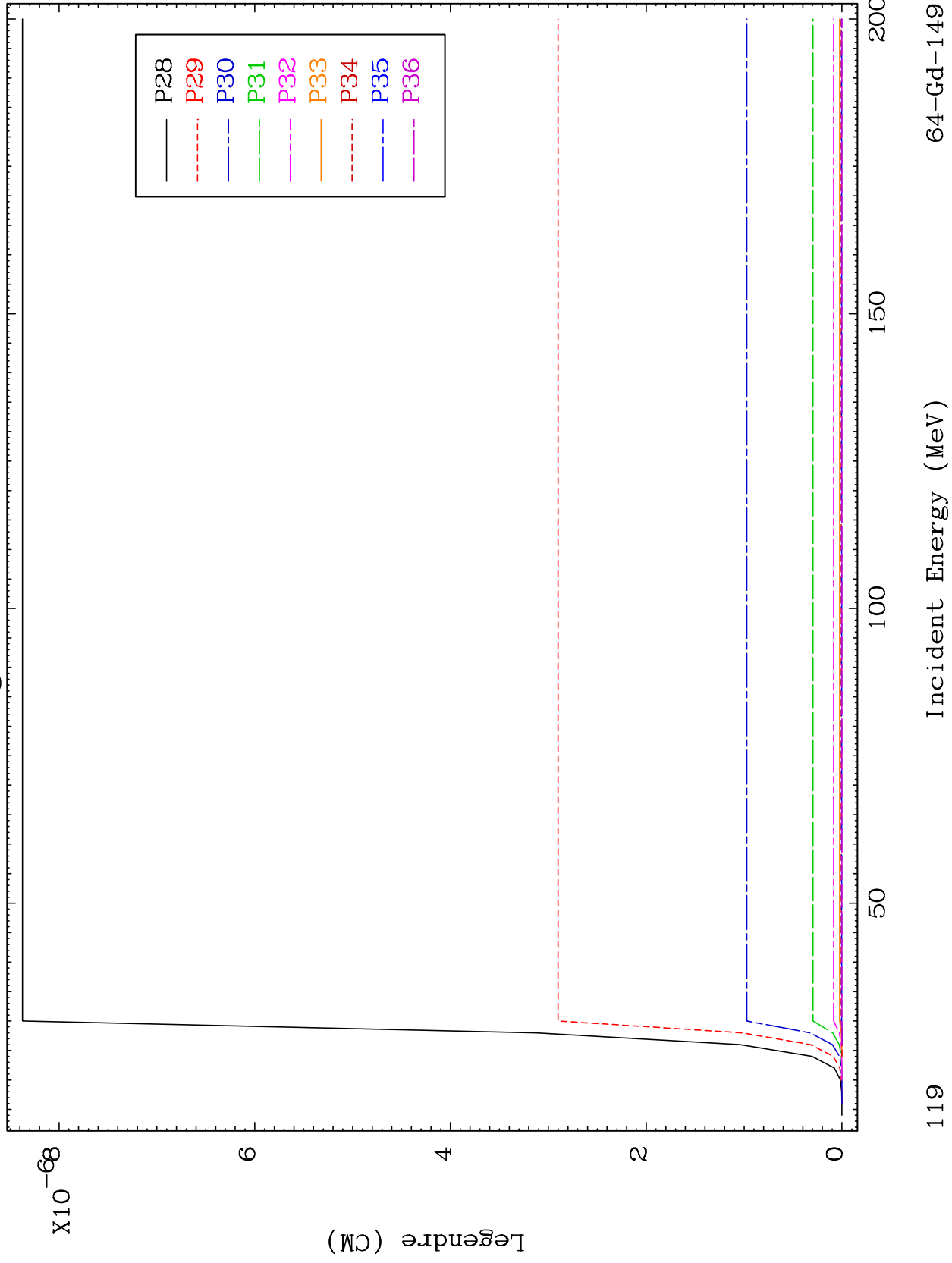
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



119

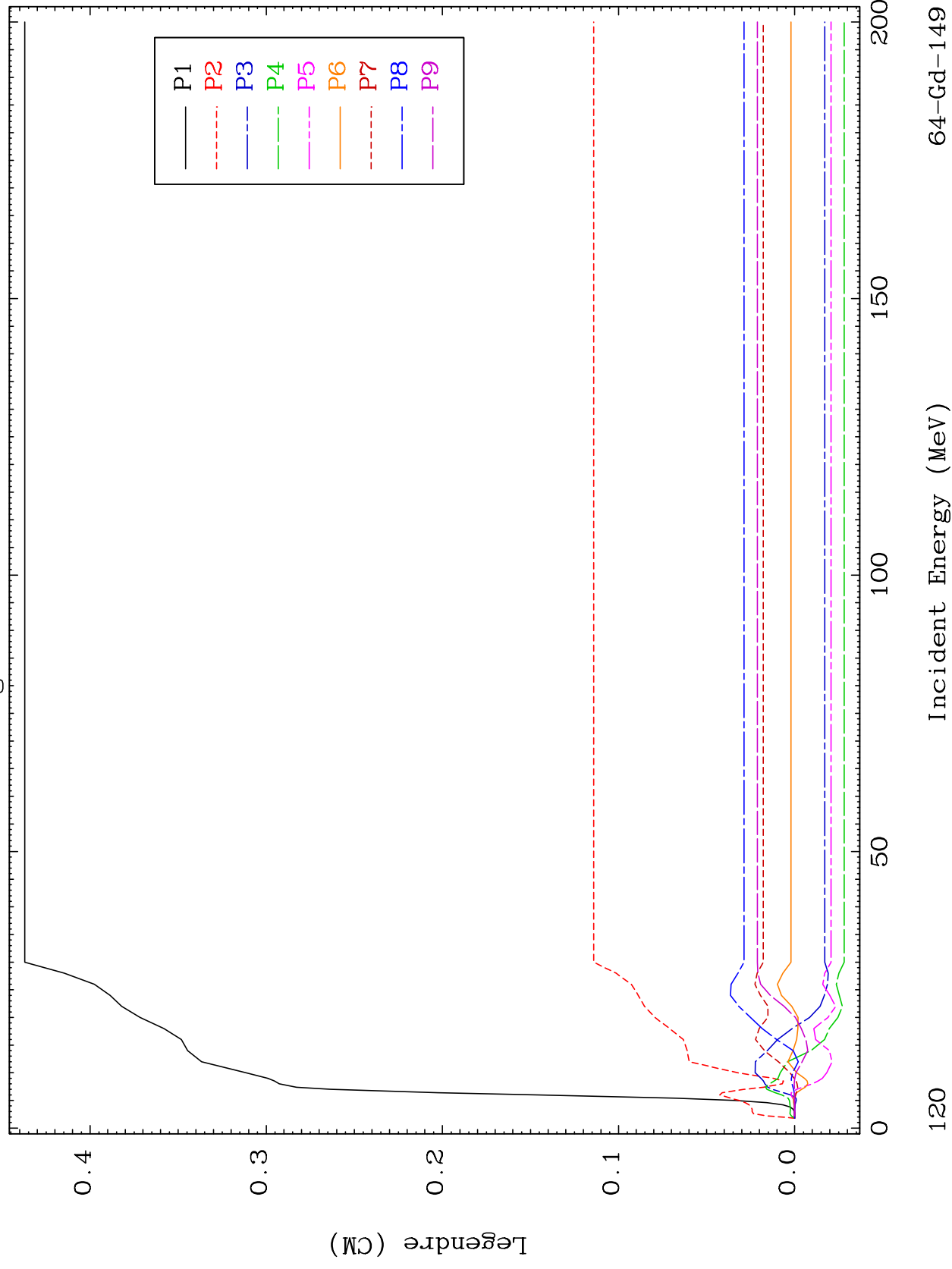
64-Gd-149



MAT 6416

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

64-Gd-149



64-Gd-149

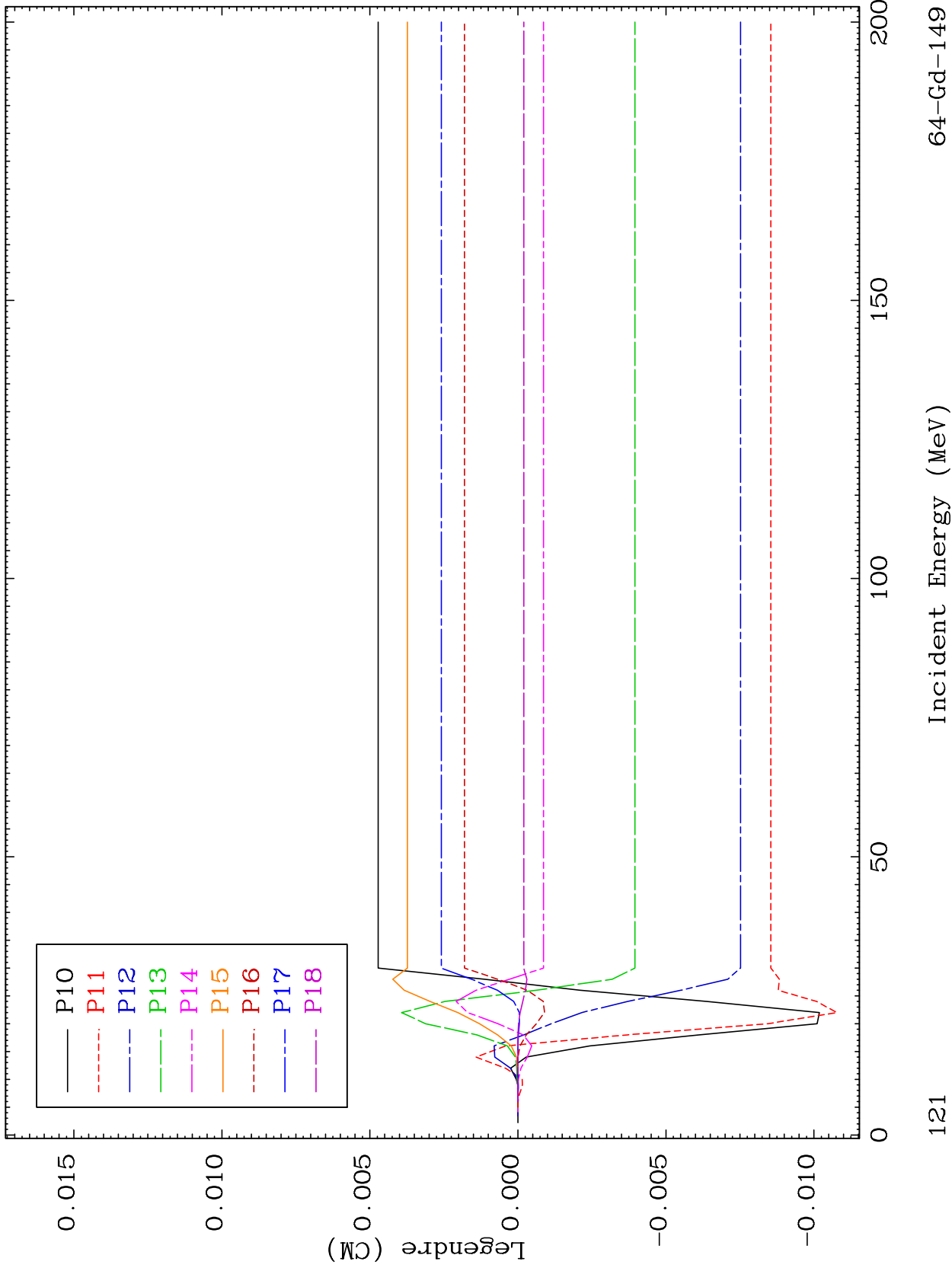
Incident Energy (MeV)

120

MAT 6416

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

64-Gd-149



121

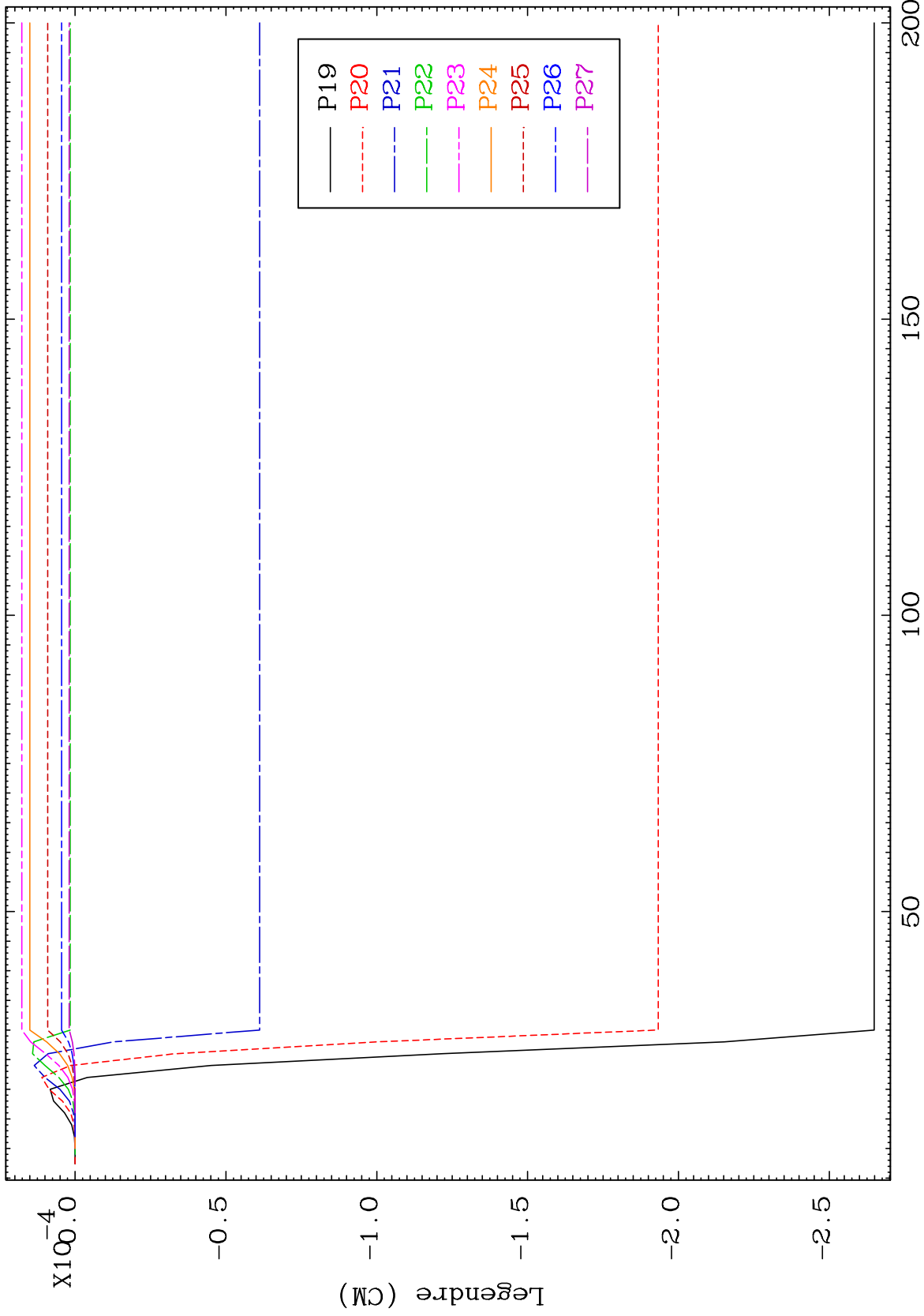
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



122

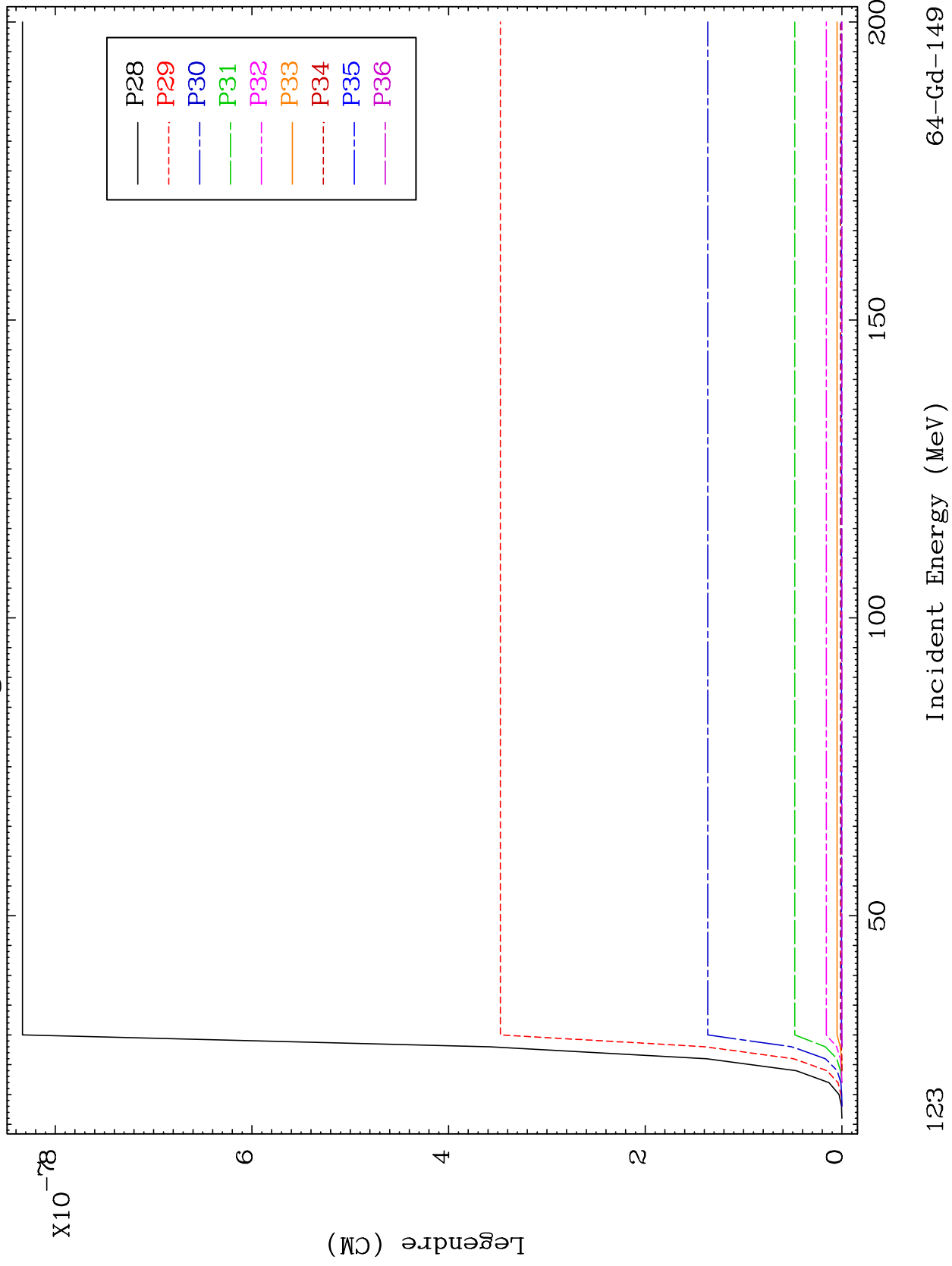
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



123

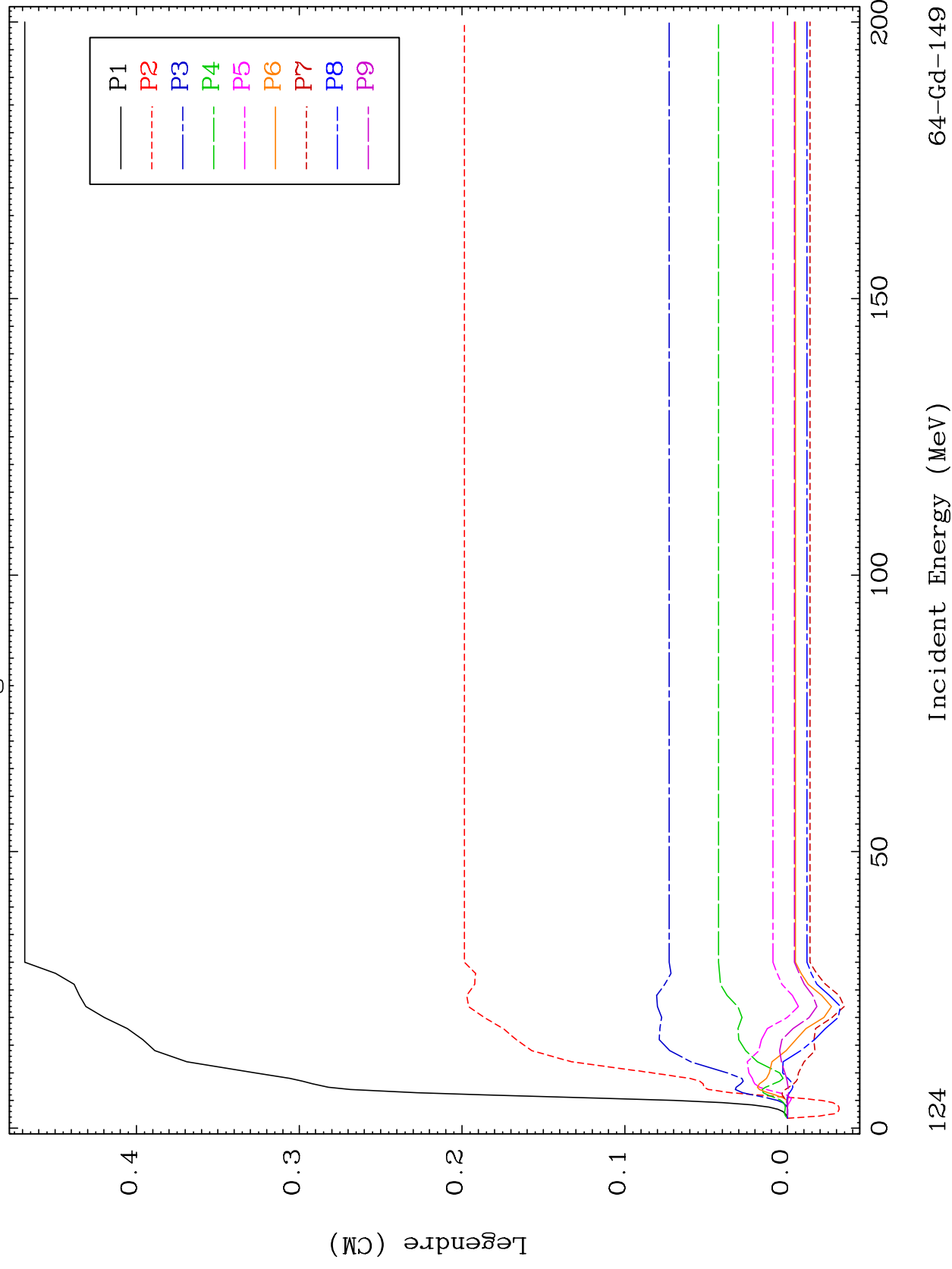
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149



64-Gd-149

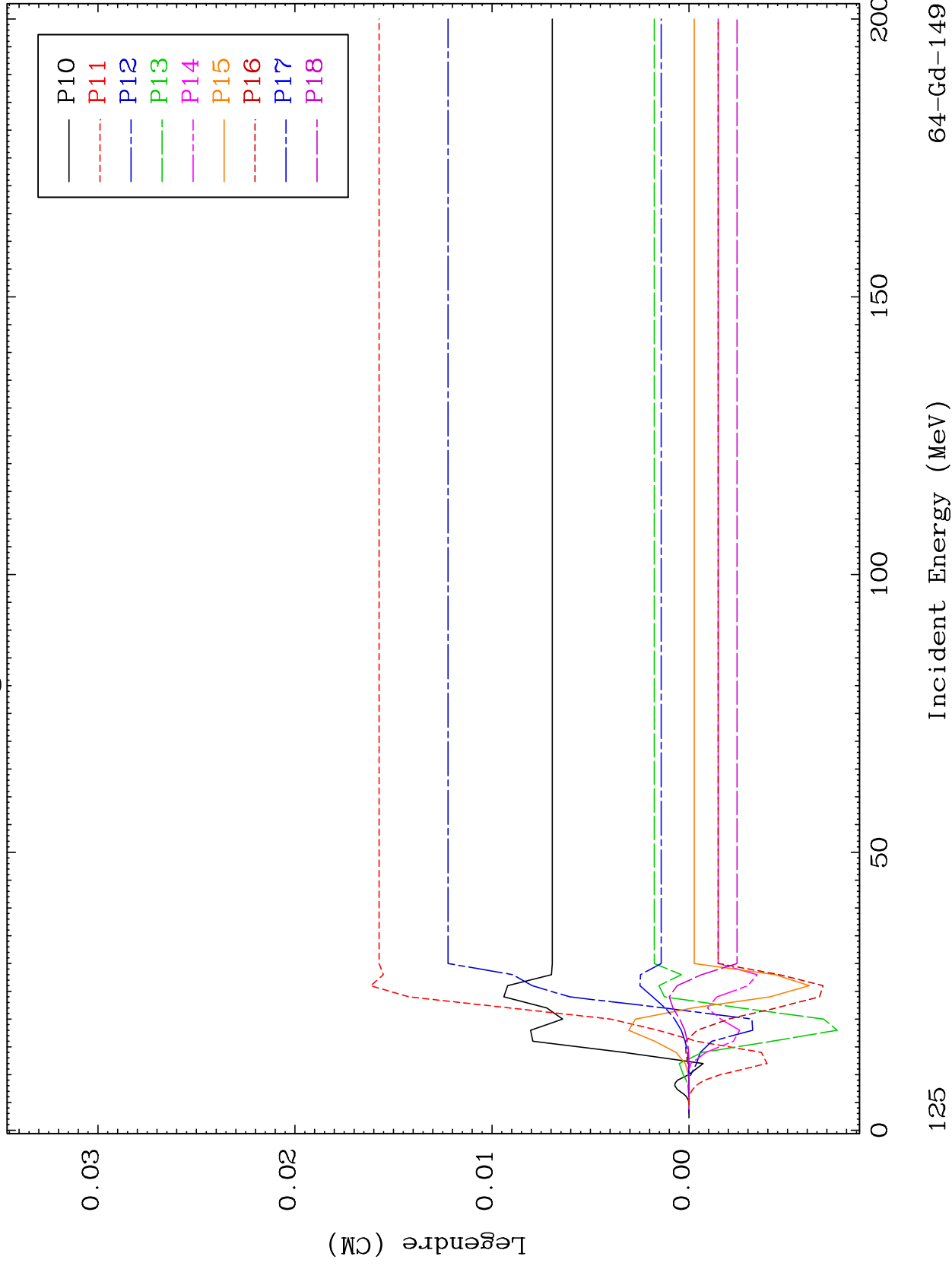
Incident Energy (MeV)

124

MAT 6416

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

64-Gd-149



64-Gd-149

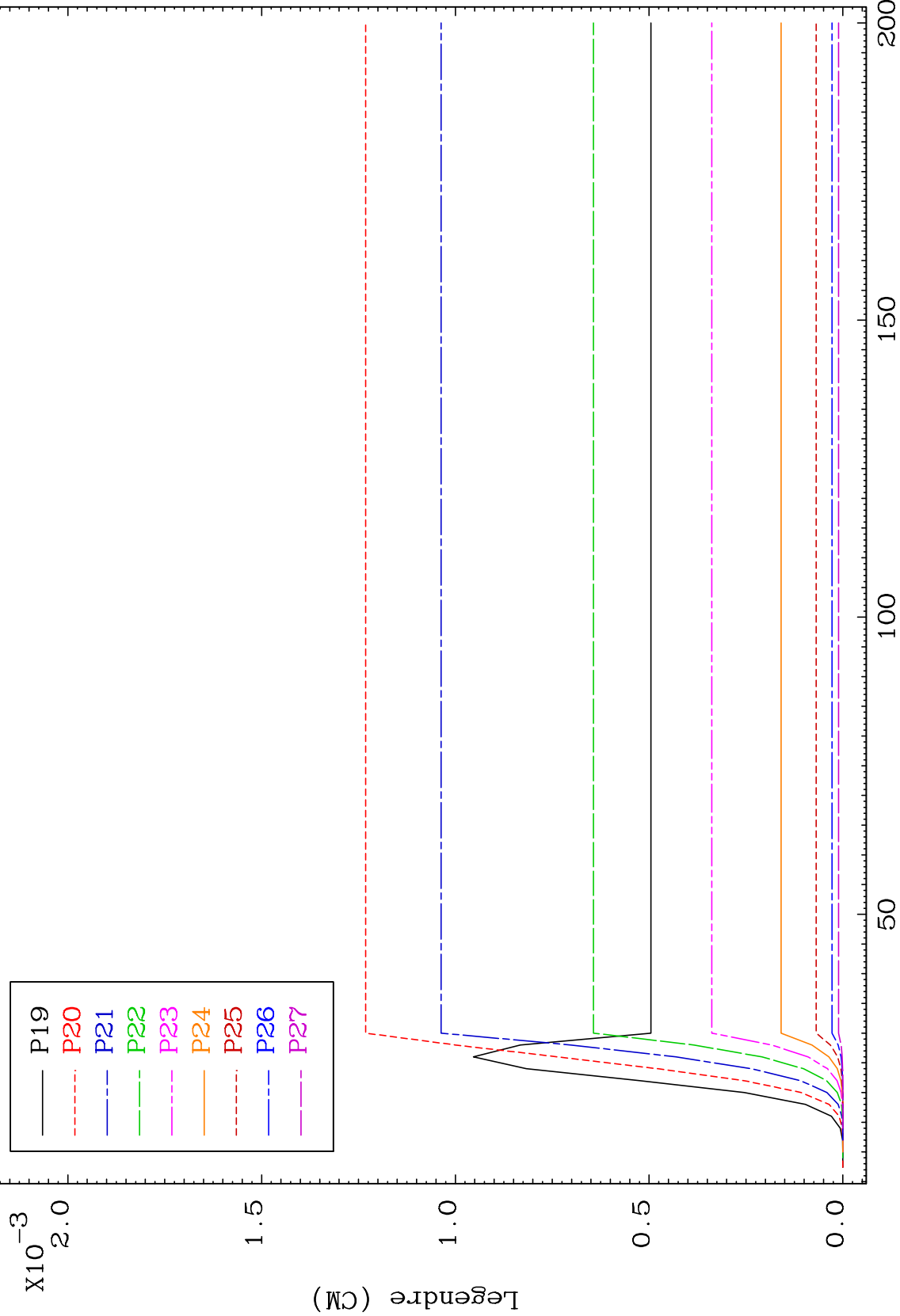
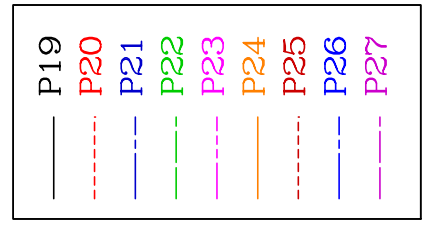
Incident Energy (MeV)

125

MAT 6416

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

64-Gd-149



126

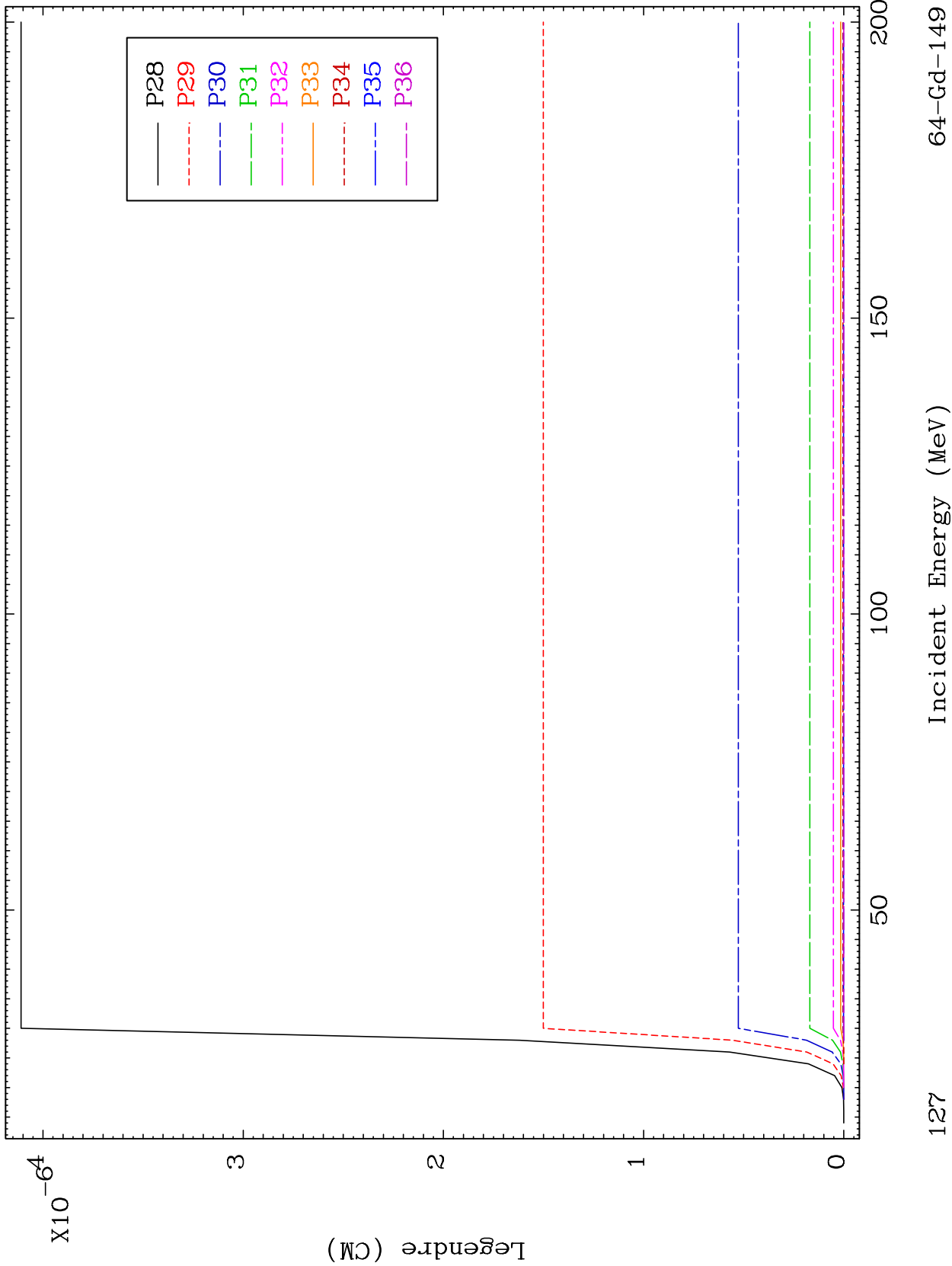
Incident Energy (MeV)

64-Gd-149

MAT 6416

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

64-Gd-149

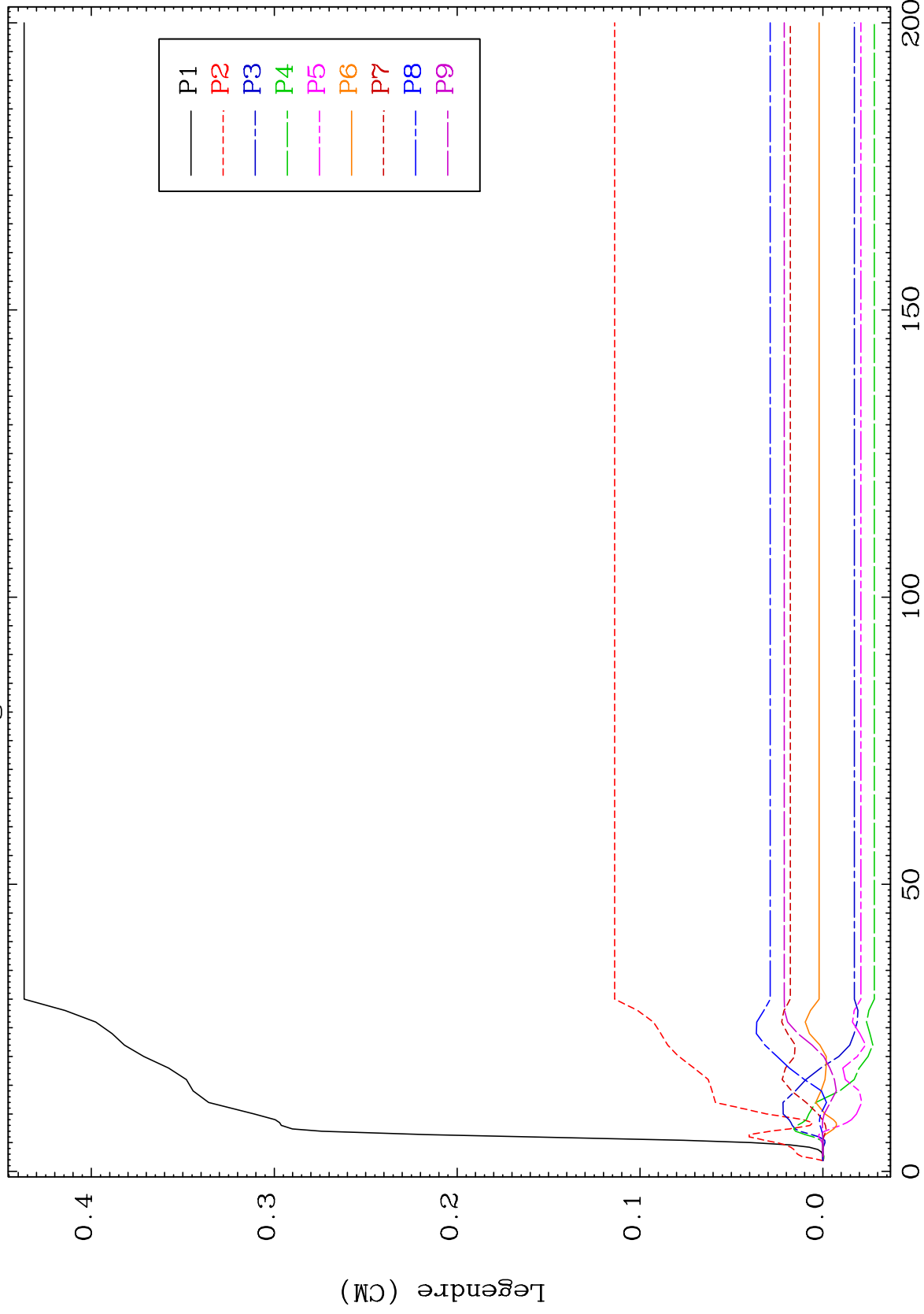




MAT 6416

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

64-Gd-149



64-Gd-149

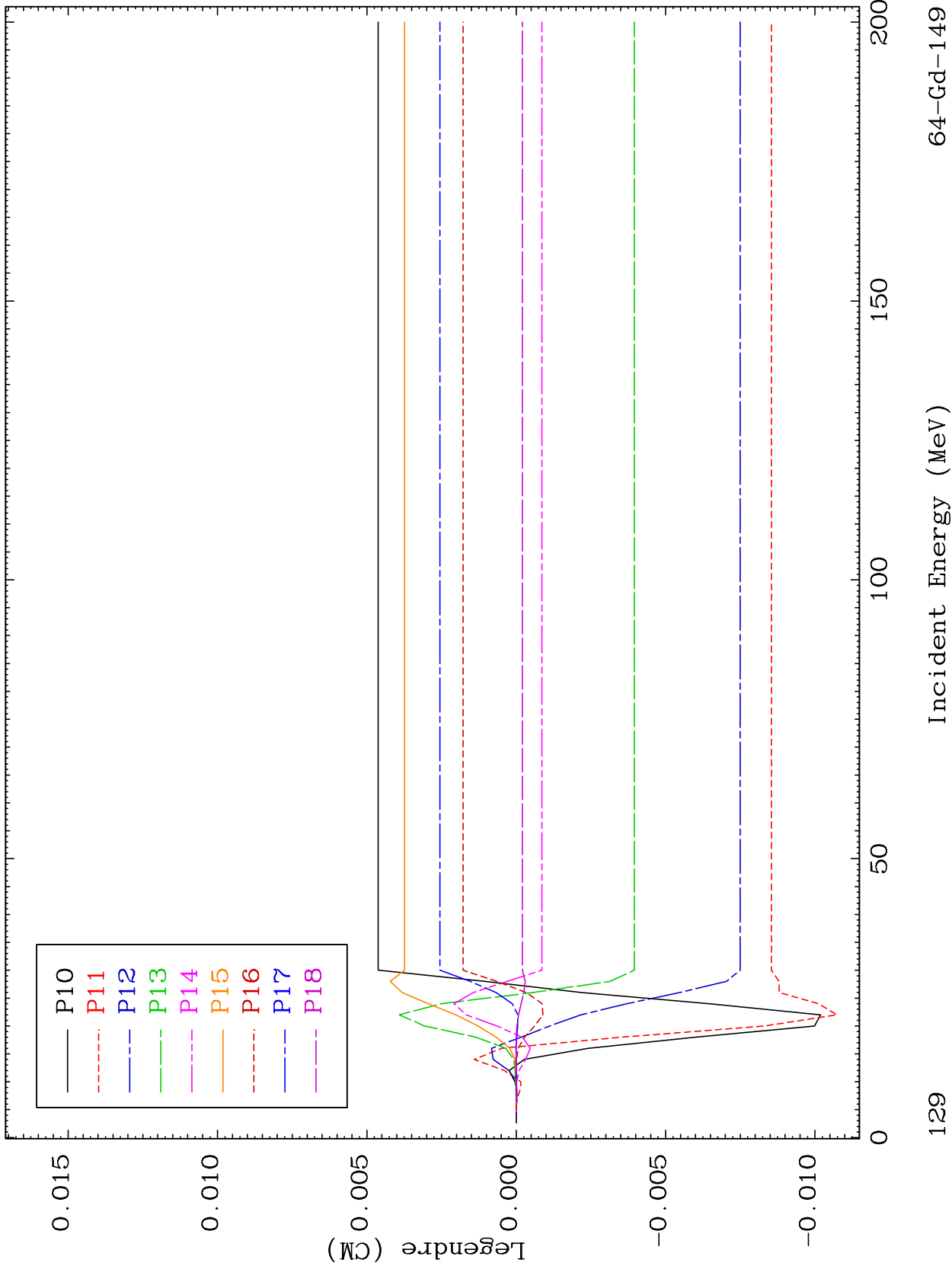
Incident Energy (MeV)

128

MAT 6416

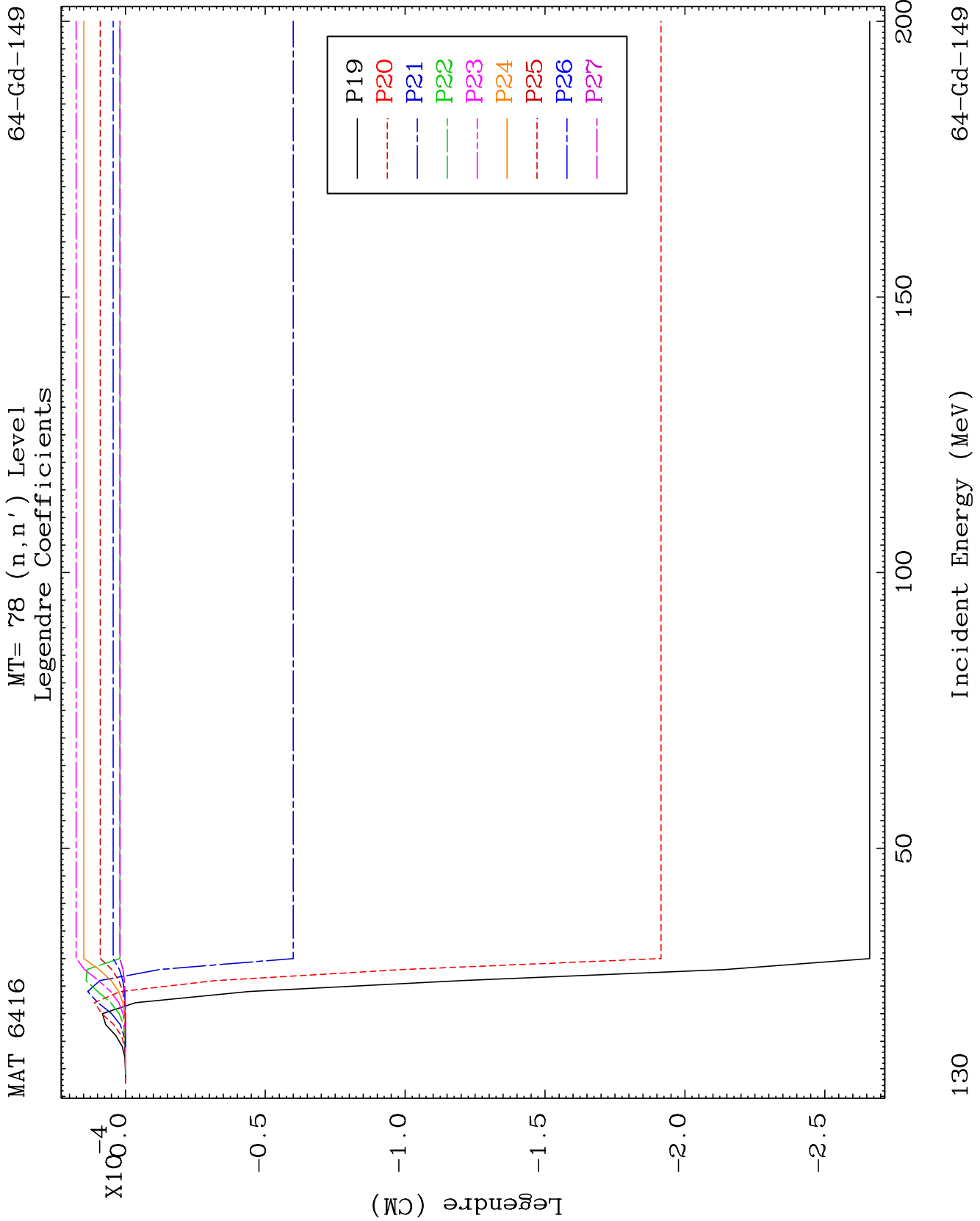
MT= 78 (n,n') Level  
Legendre Coefficients

64-Gd-149



129

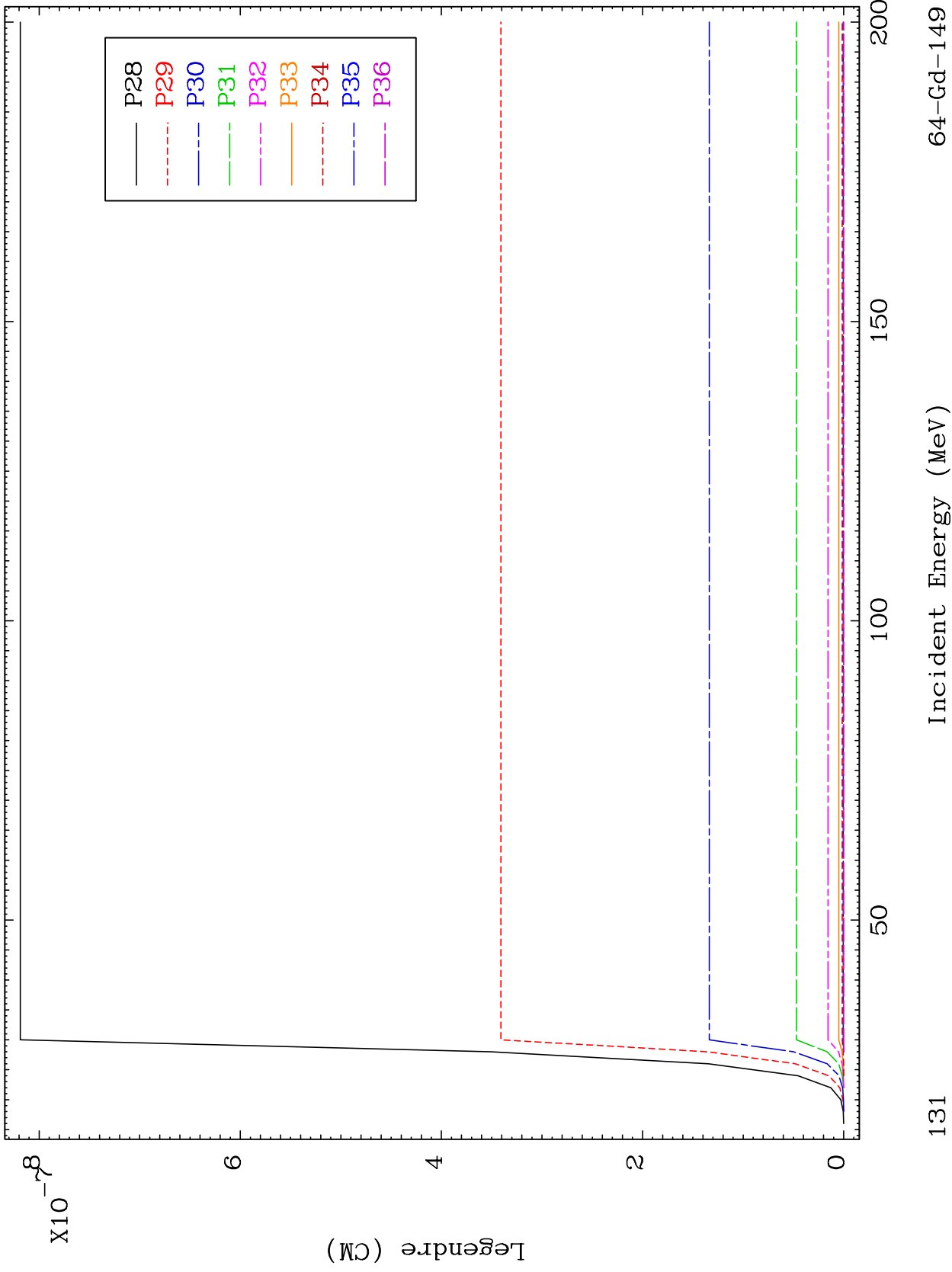
64-Gd-149



MAT 6416

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

64-Gd-149



131

Incident Energy (MeV)

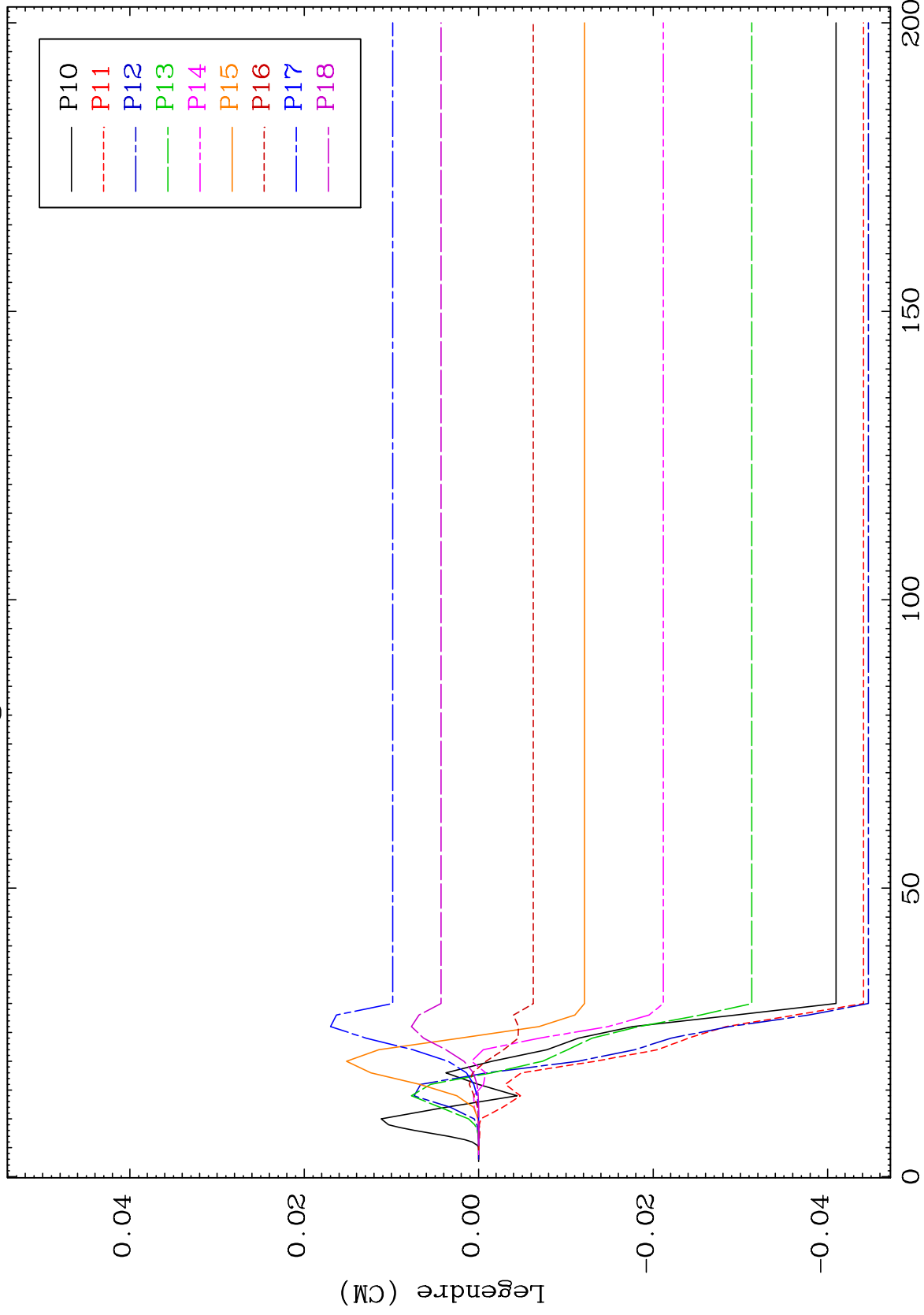
64-Gd-149



MAT 6416

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

64-Gd-149



133

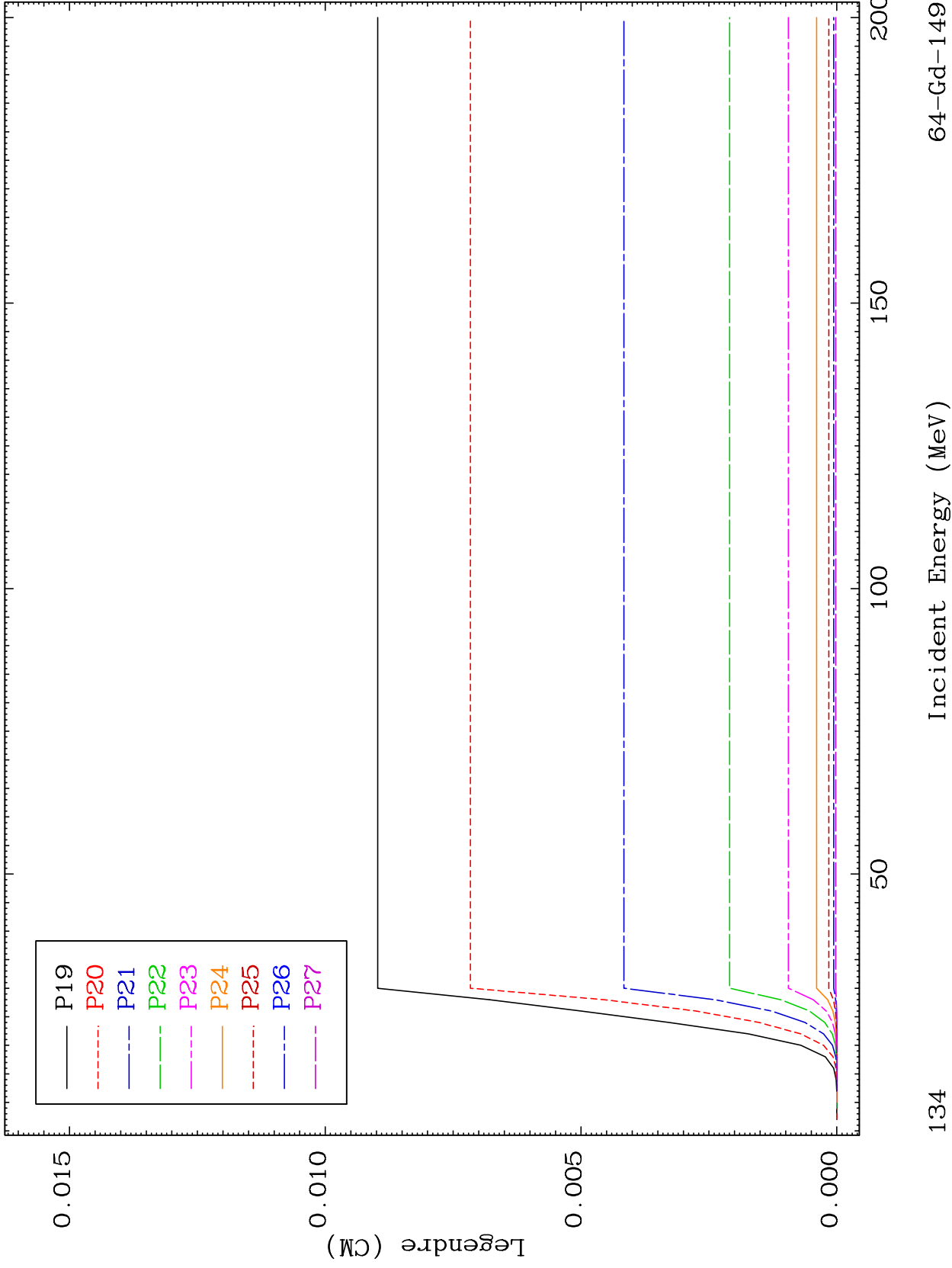
Incident Energy (MeV)

64-Gd-149

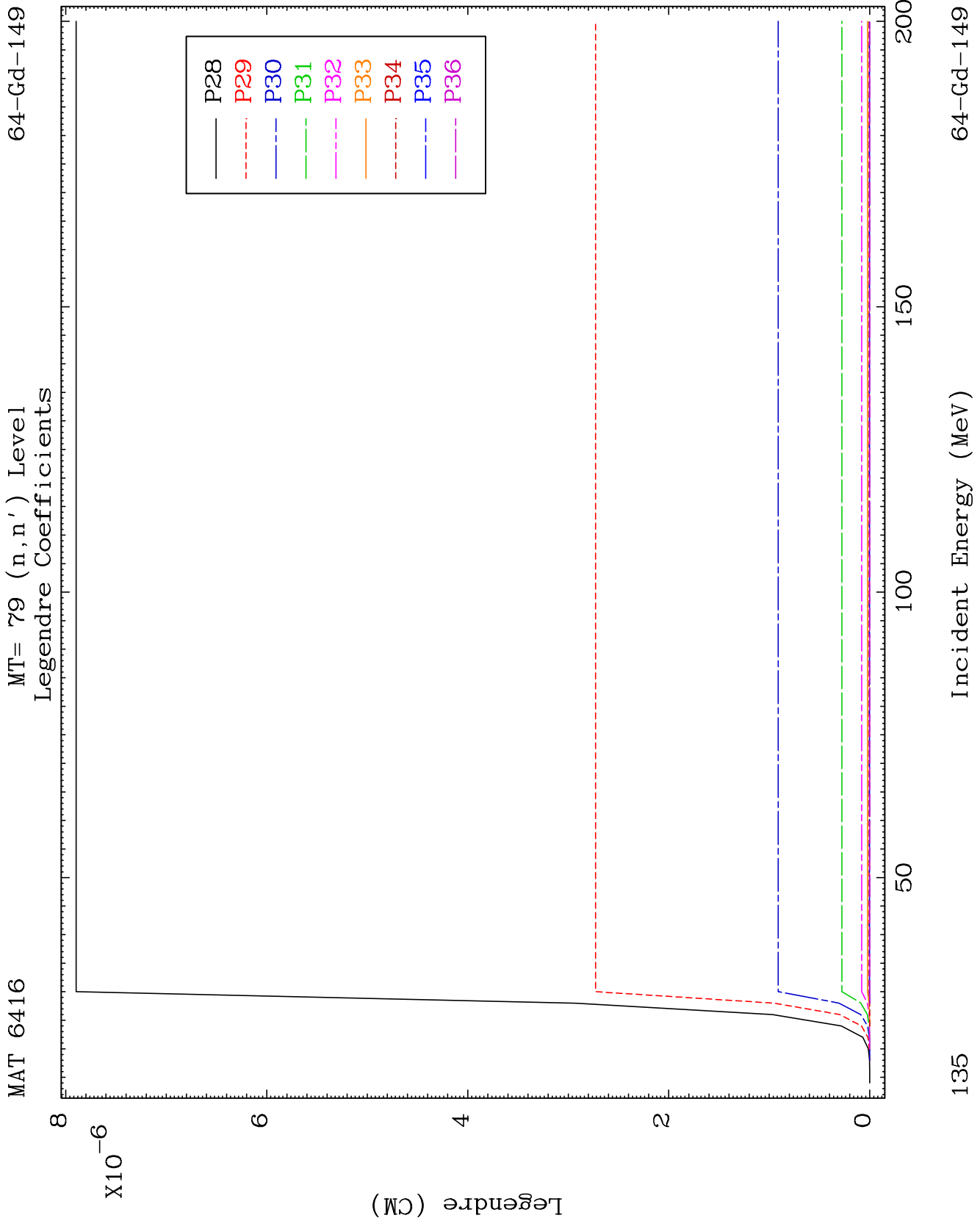
MAT 6416

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

64-Gd-149



134



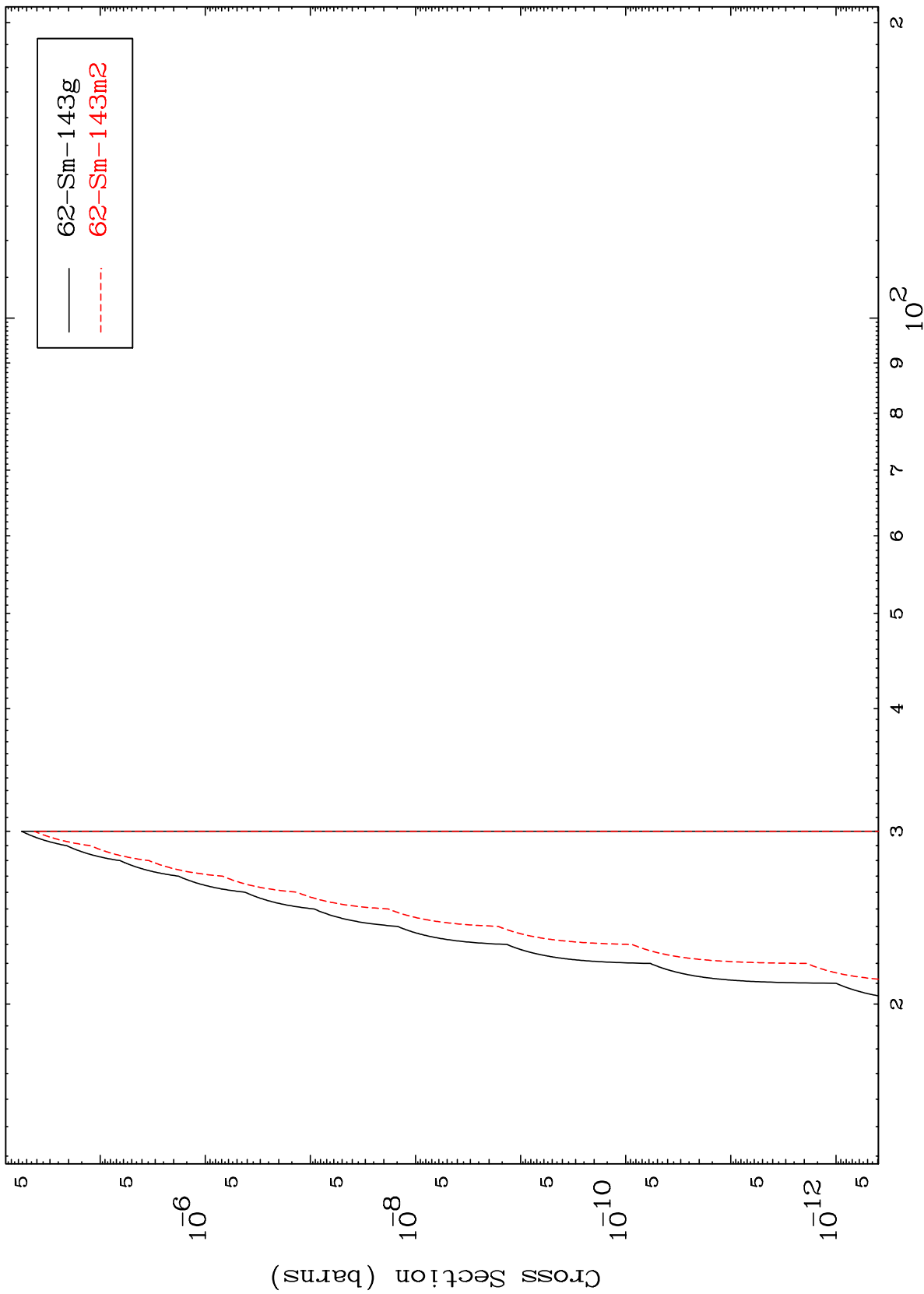


MAT 6416

(n,3n)  $\alpha$

64-Gd-149

Radionuclide Production Cross Section



136

Incident Energy (MeV)

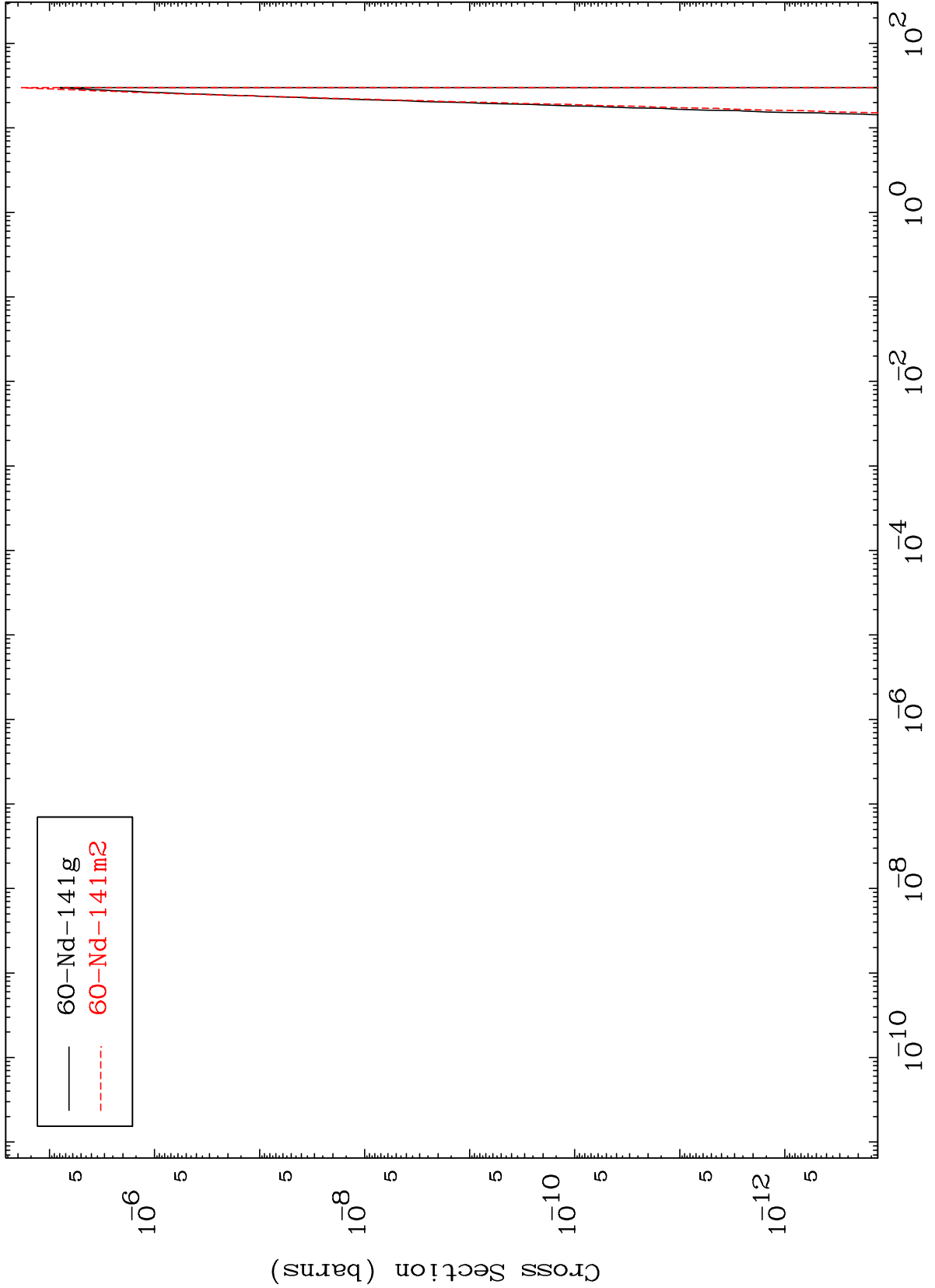
64-Gd-149

MAT 6416

(n,n') 2 $\alpha$

64-Gd-149

Radionuclide Production Cross Section



137

Incident Energy (MeV)

64-Gd-149