

Program EVALPLOT  
(Version 2018-1)

by

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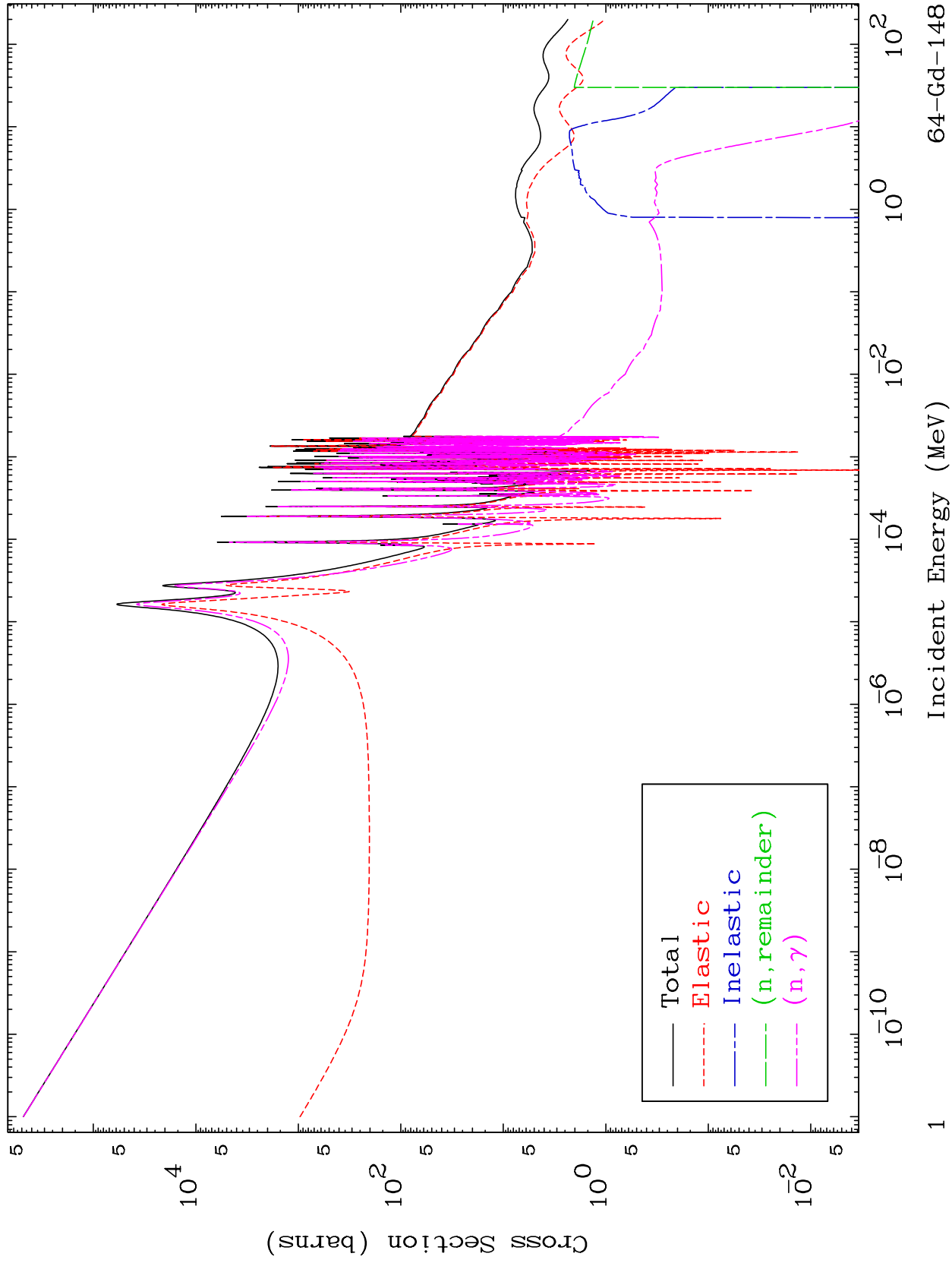
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6413

Major  
293 Kelvin Cross Sections

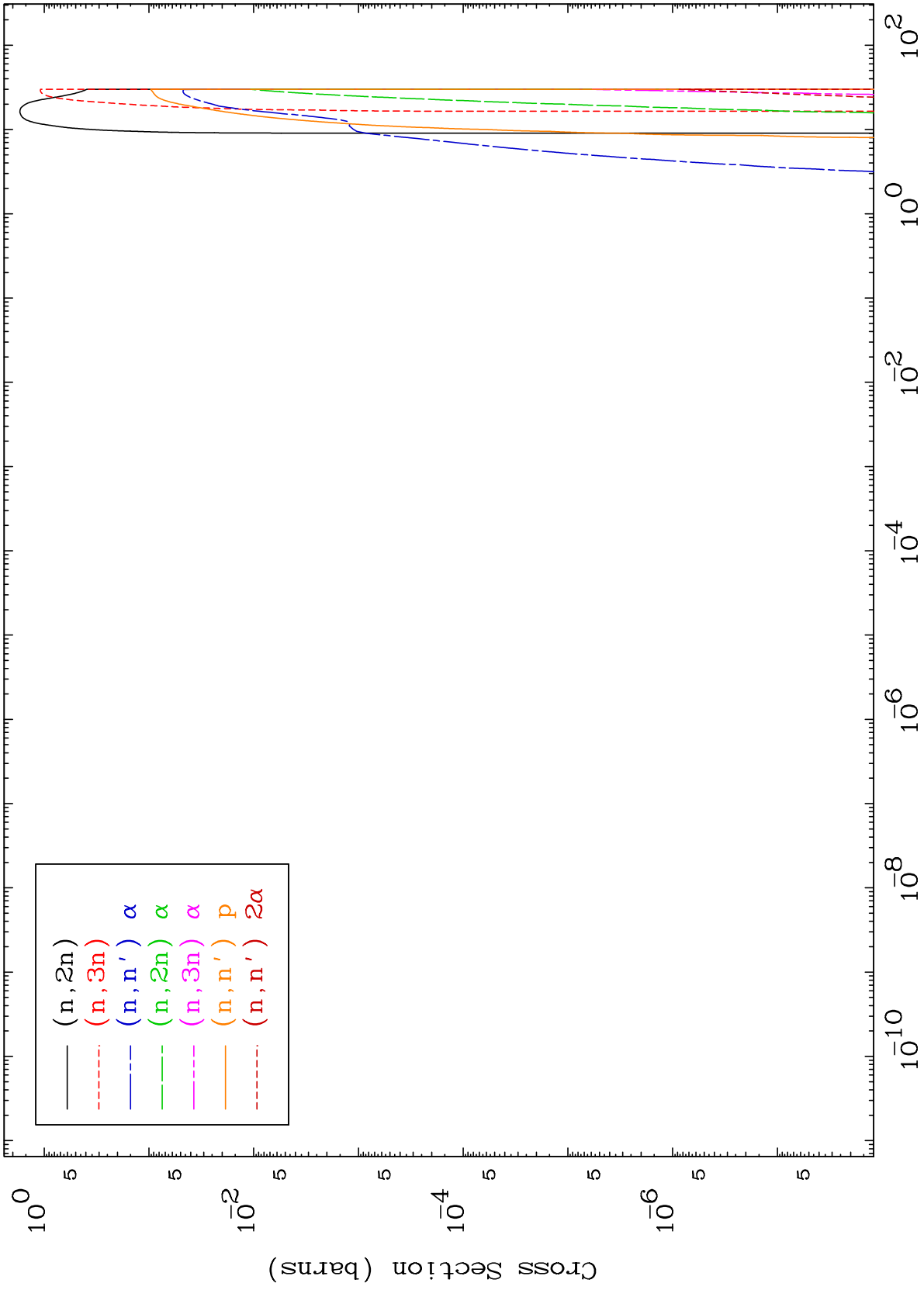
64-Gd-148



MAT 6413

Neutron Production  
293 Kelvin Cross Sections

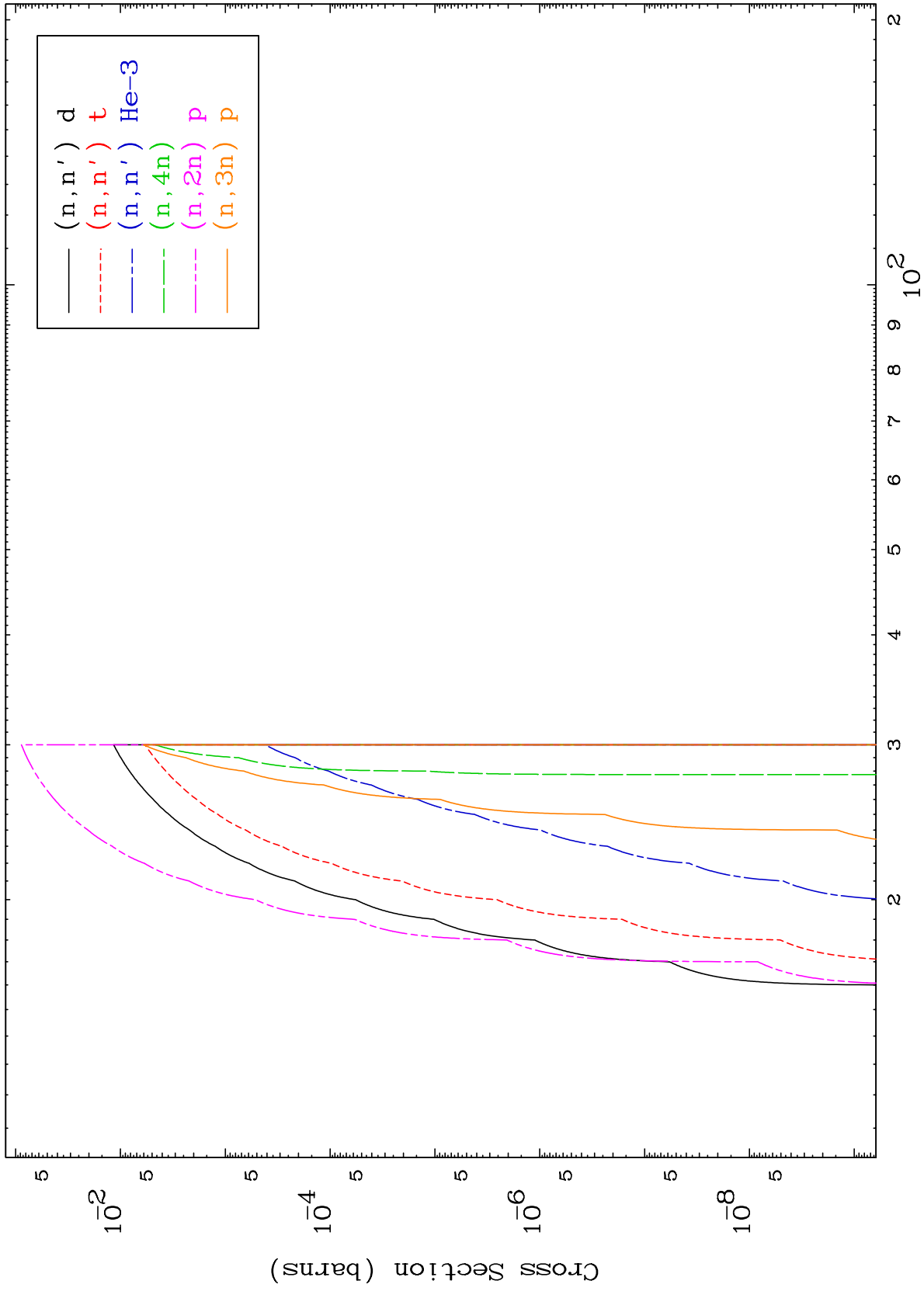
64-Gd-148



2

Incident Energy (MeV)

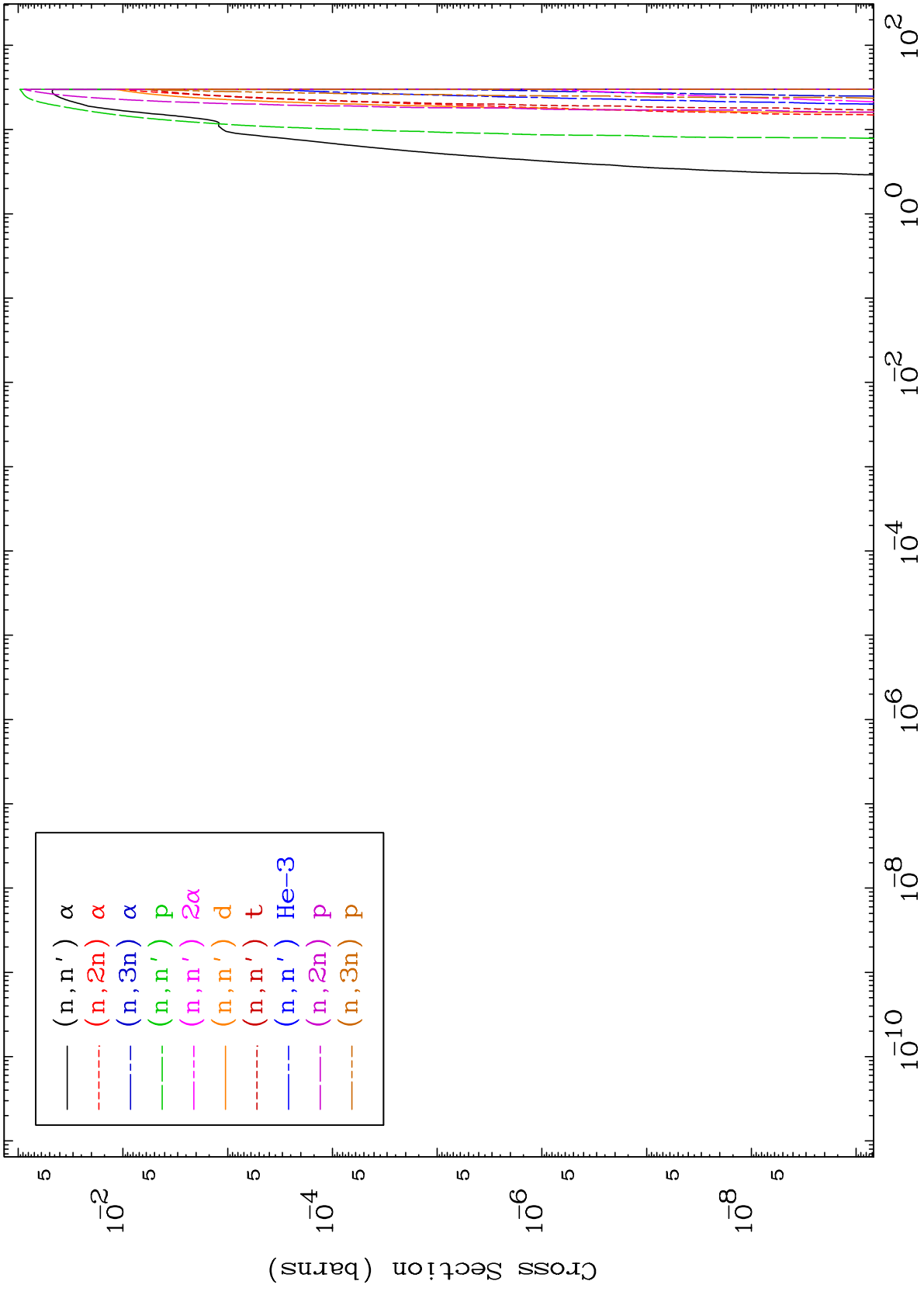
64-Gd-148



MAT 6413

293 Kelvin Cross Sections  
Charged Particle

64-Gd-148

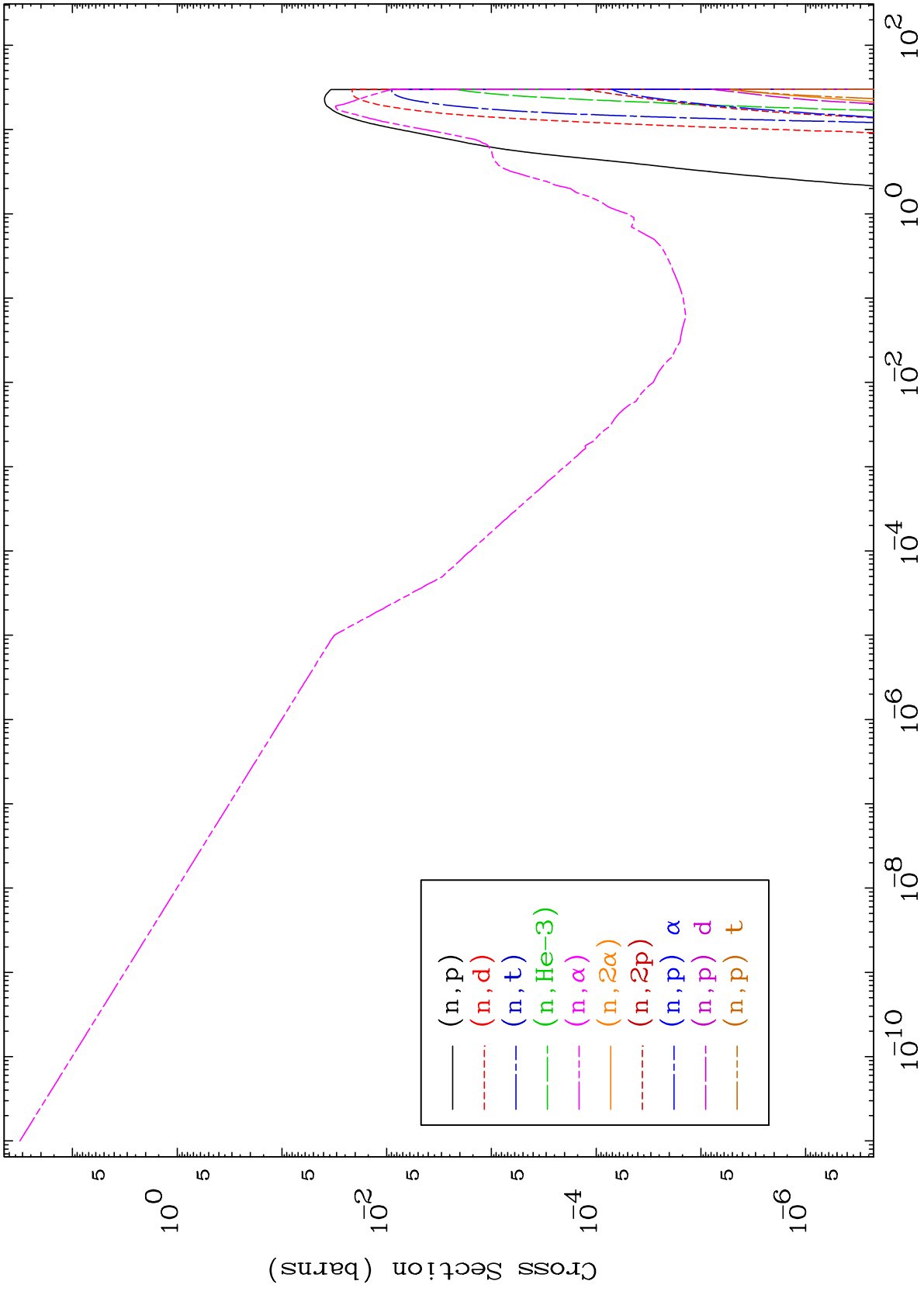


64-Gd-148

MAT 6413

293 Charged Particle  
Kelvin Cross Sections

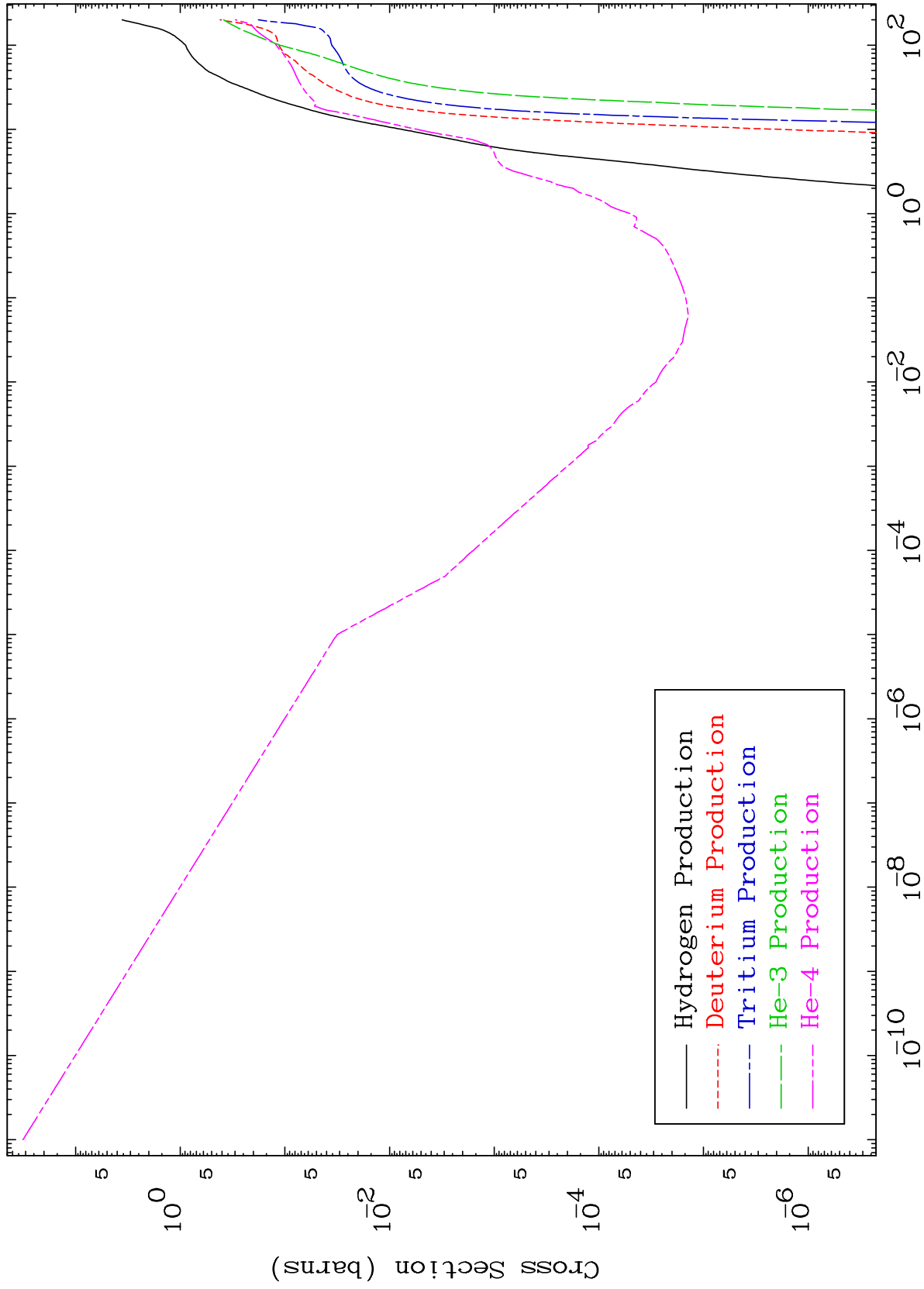
64-Gd-148



MAT 6413

Particle Production  
293 Kelvin Cross Sections

64-Gd-148



6

Incident Energy (MeV)

64-Gd-148

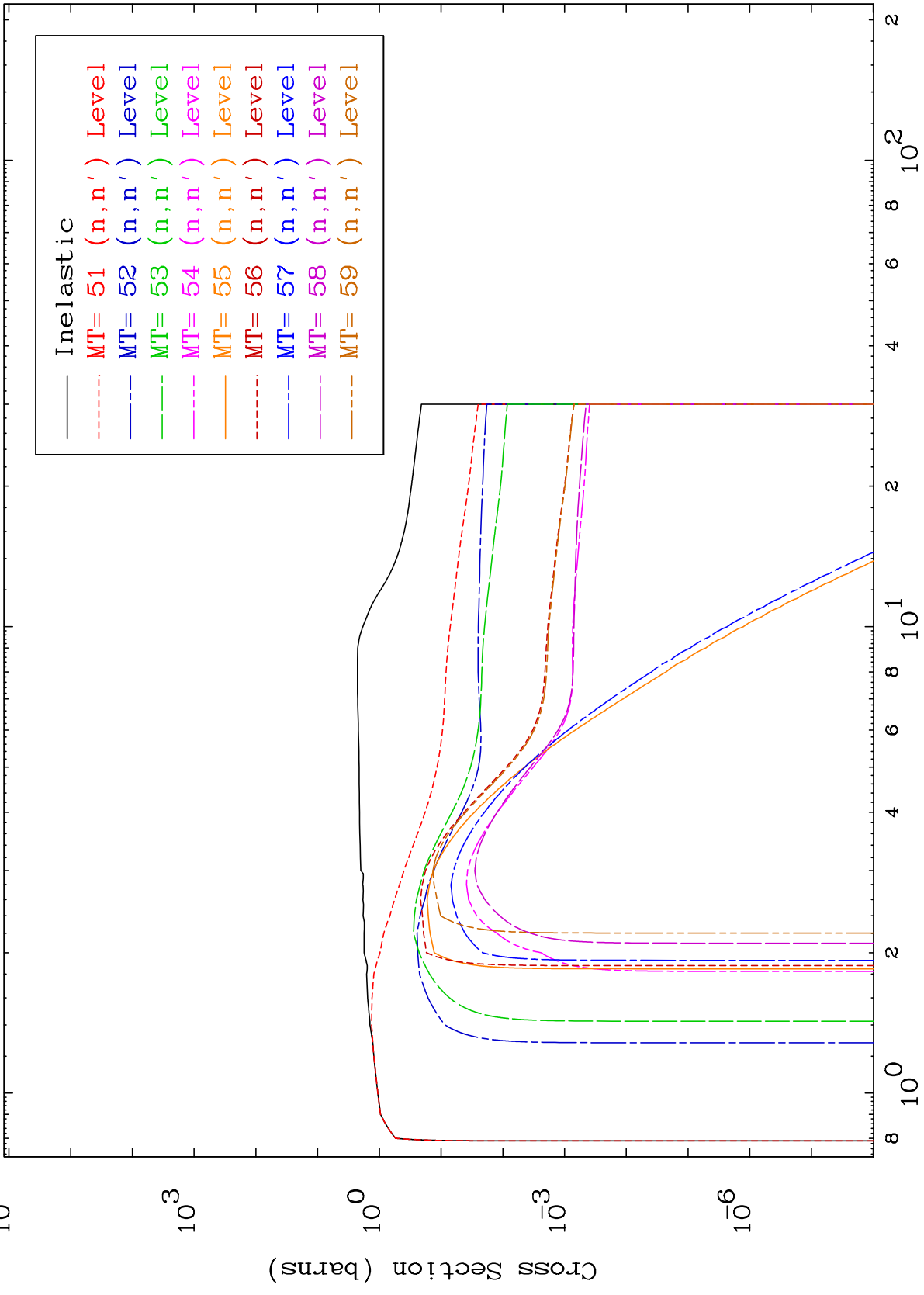
MAT 6413

(n,n') Level

64-Gd-148

293 Kelvin Cross Sections

64-Gd-148



7

Incident Energy (MeV)

64-Gd-148

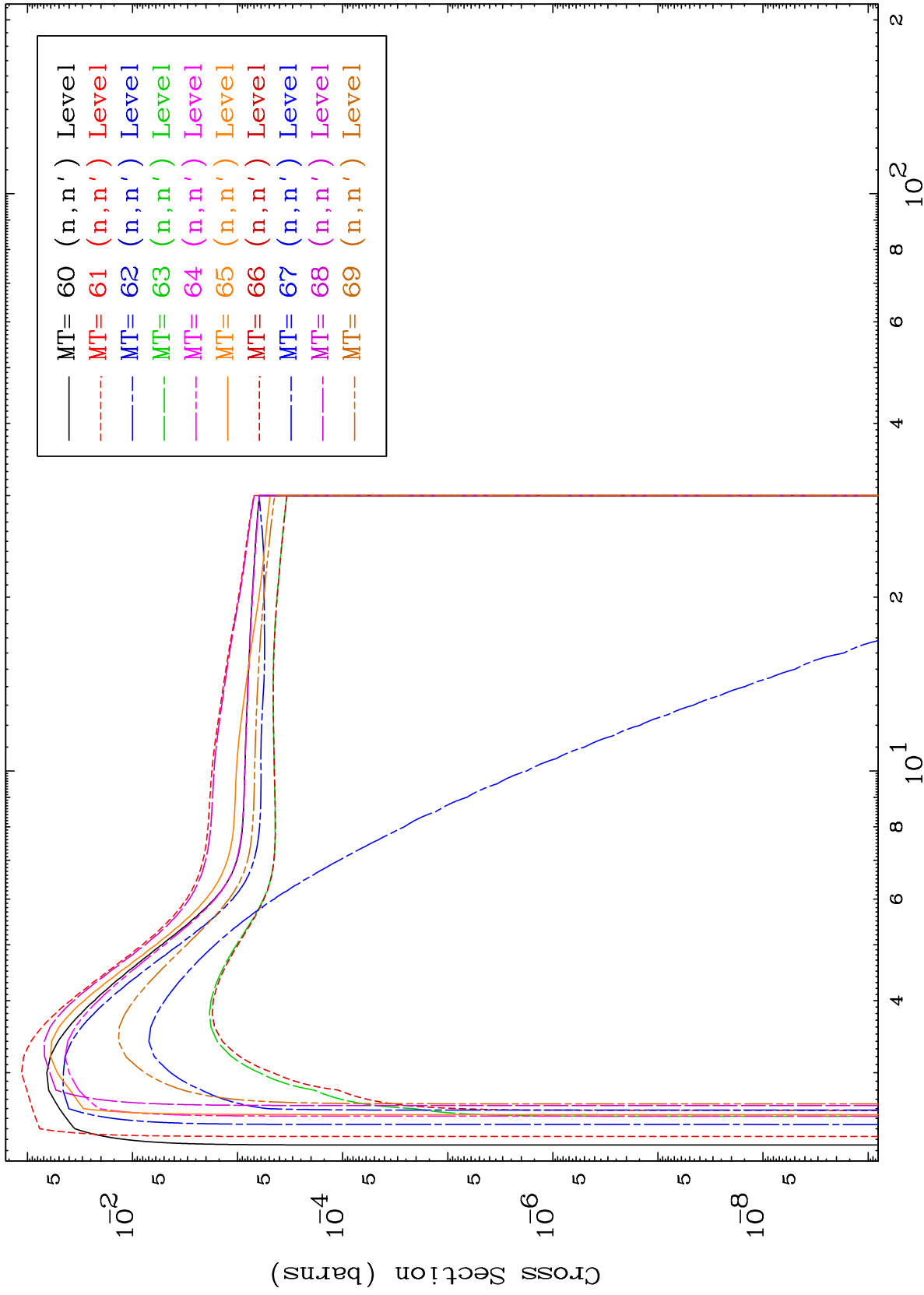


MAT 6413

(n,n') Level

64-Gd-148

293 Kelvin Cross Sections



8

Incident Energy (MeV)

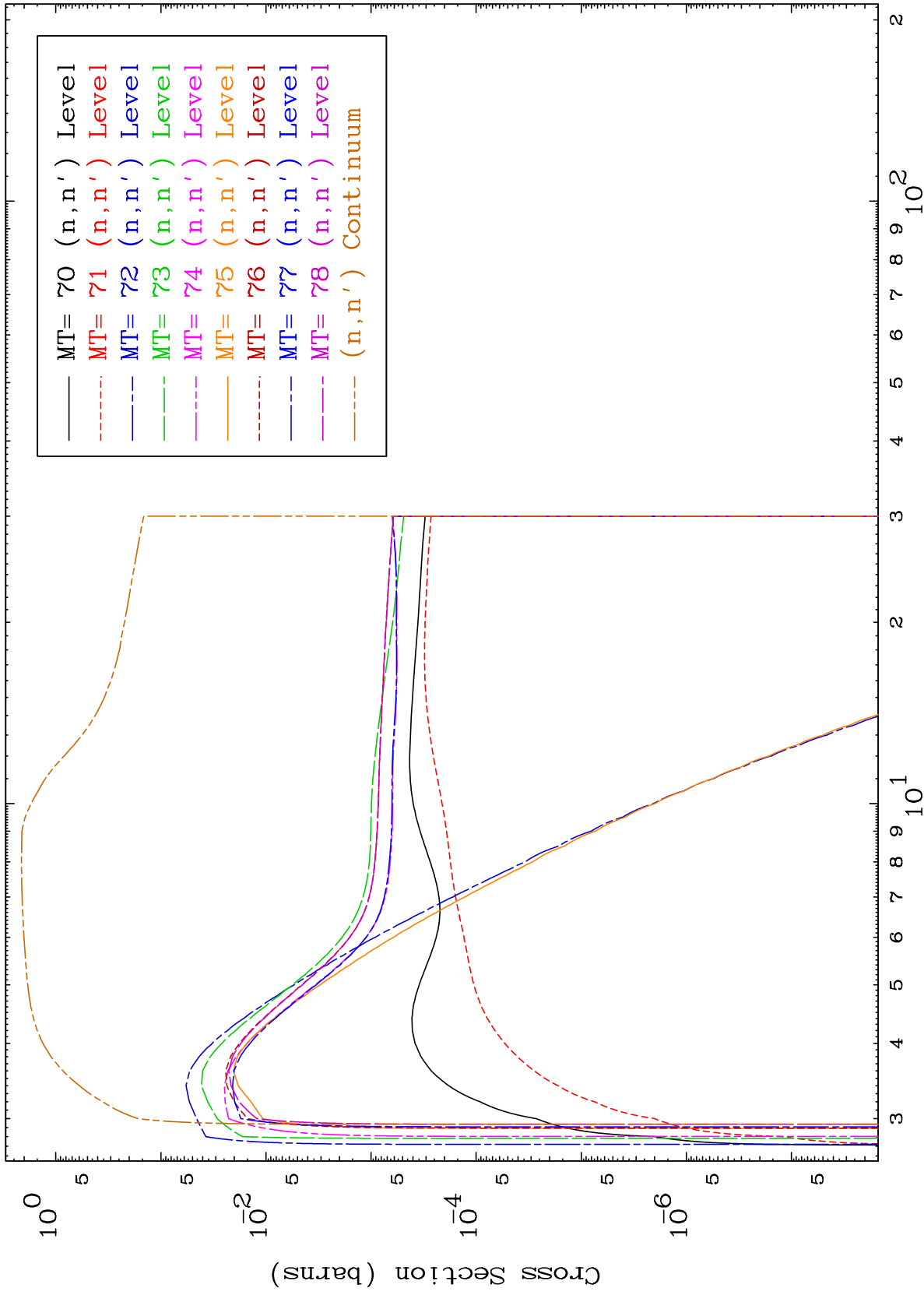
64-Gd-148

MAT 6413

(n,n') Level

64-Gd-148

293 Kelvin Cross Sections



9

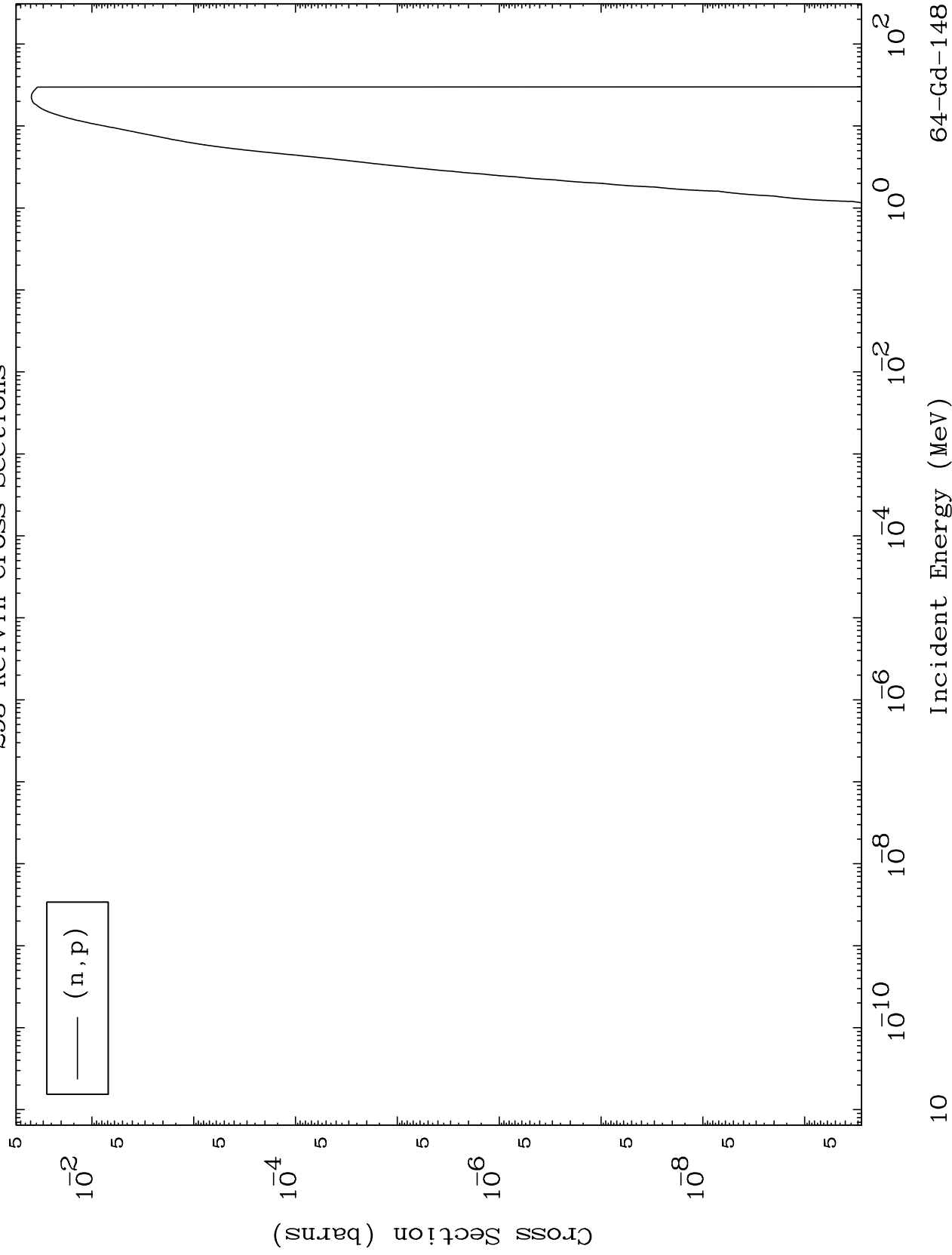
Incident Energy (MeV)

64-Gd-148

MAT 6413

(n,p) Levels  
293 Kelvin Cross Sections

64-Gd-148

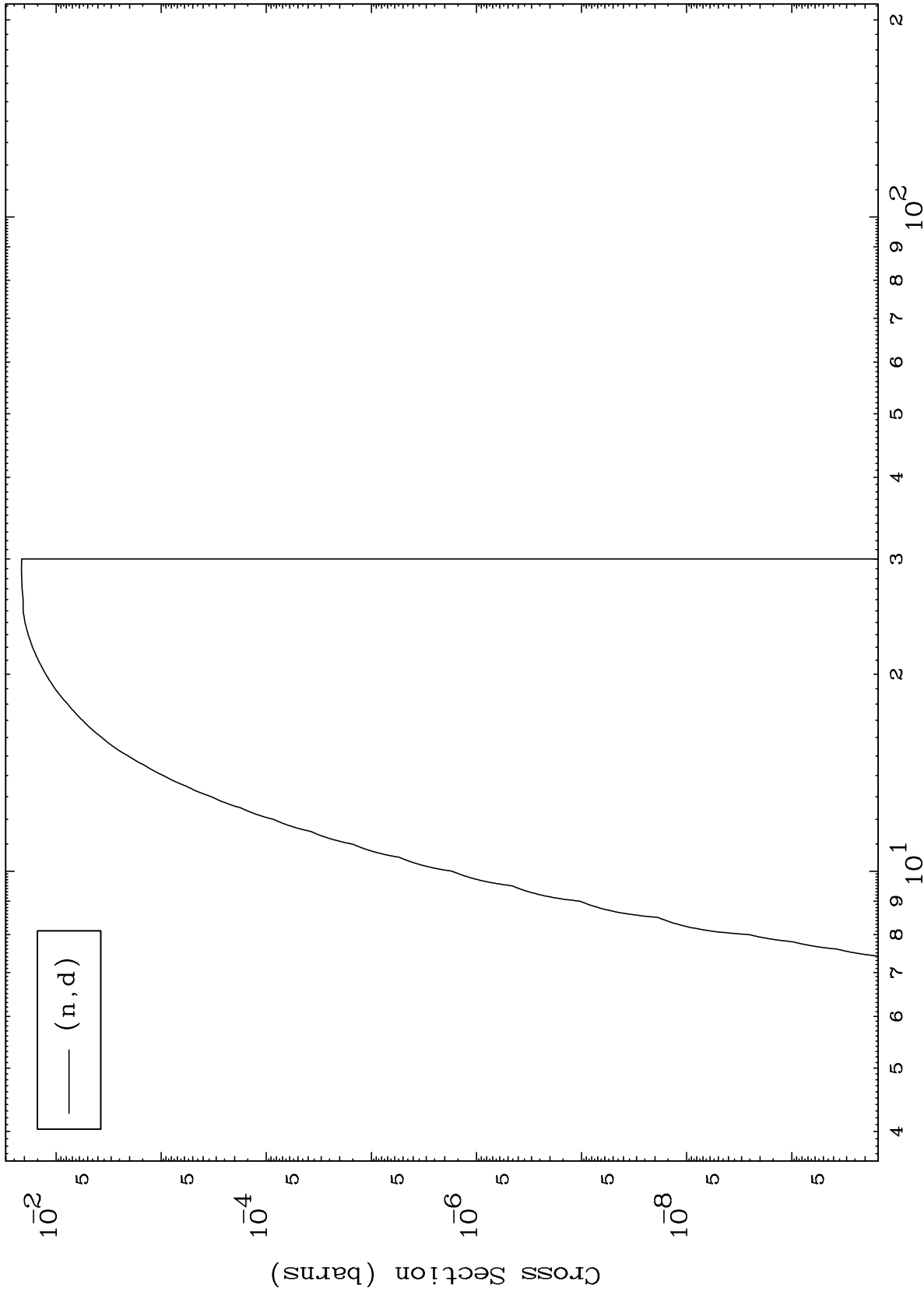


64-Gd-148

MAT 6413

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-148



11

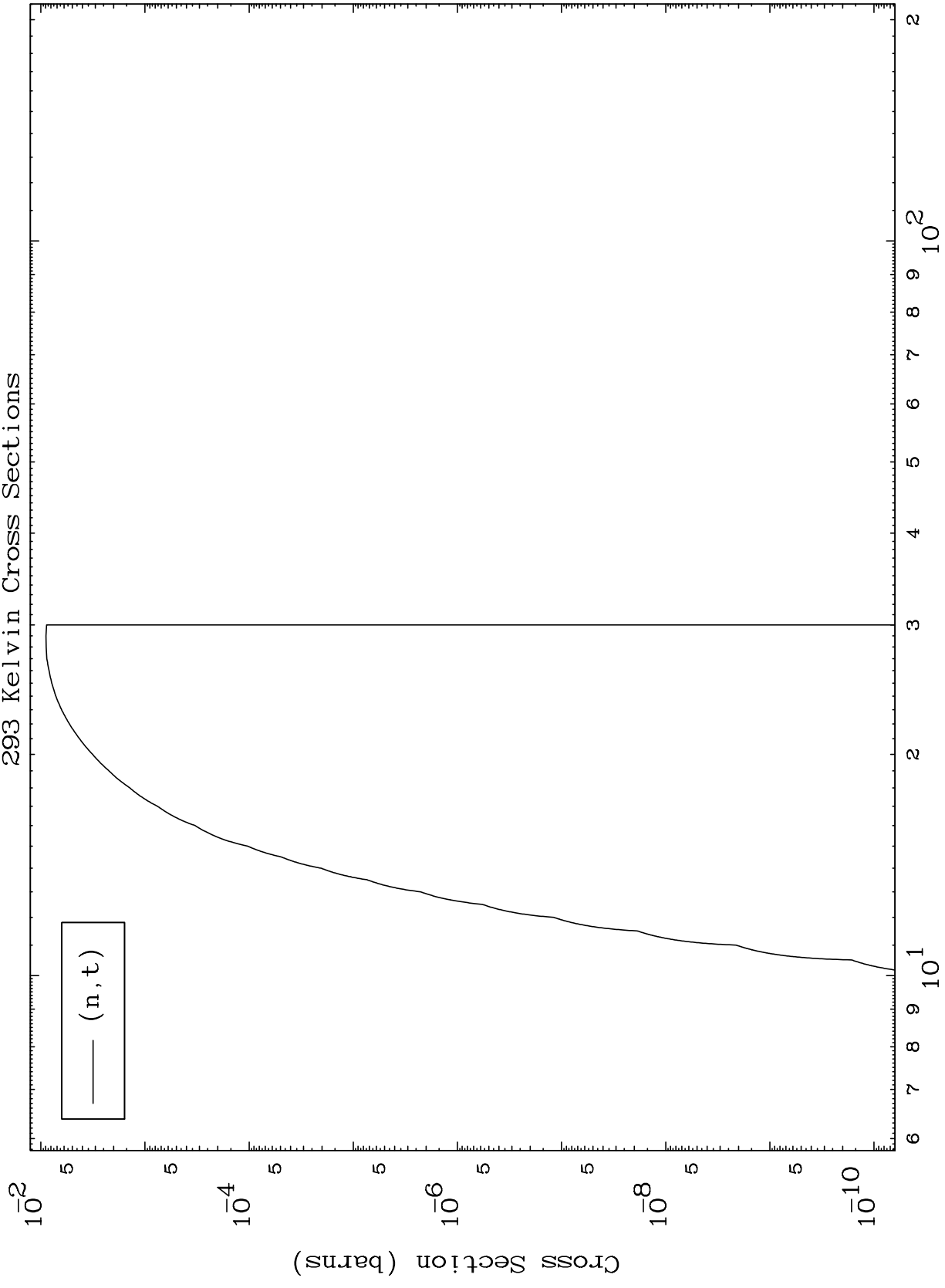
Incident Energy (MeV)

64-Gd-148

MAT 6413

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-148



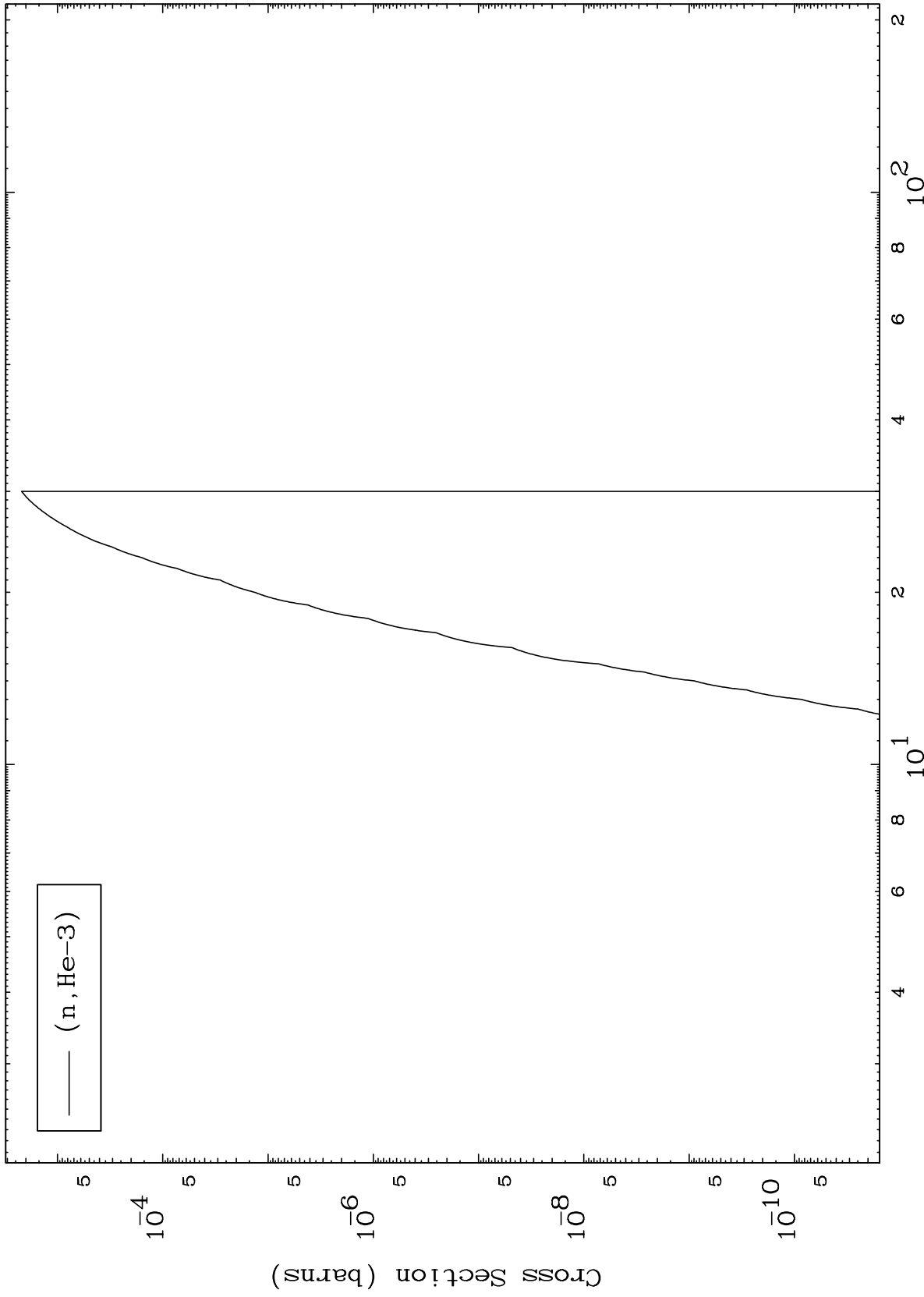
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64-Gd-148

MAT 6413

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-148



13

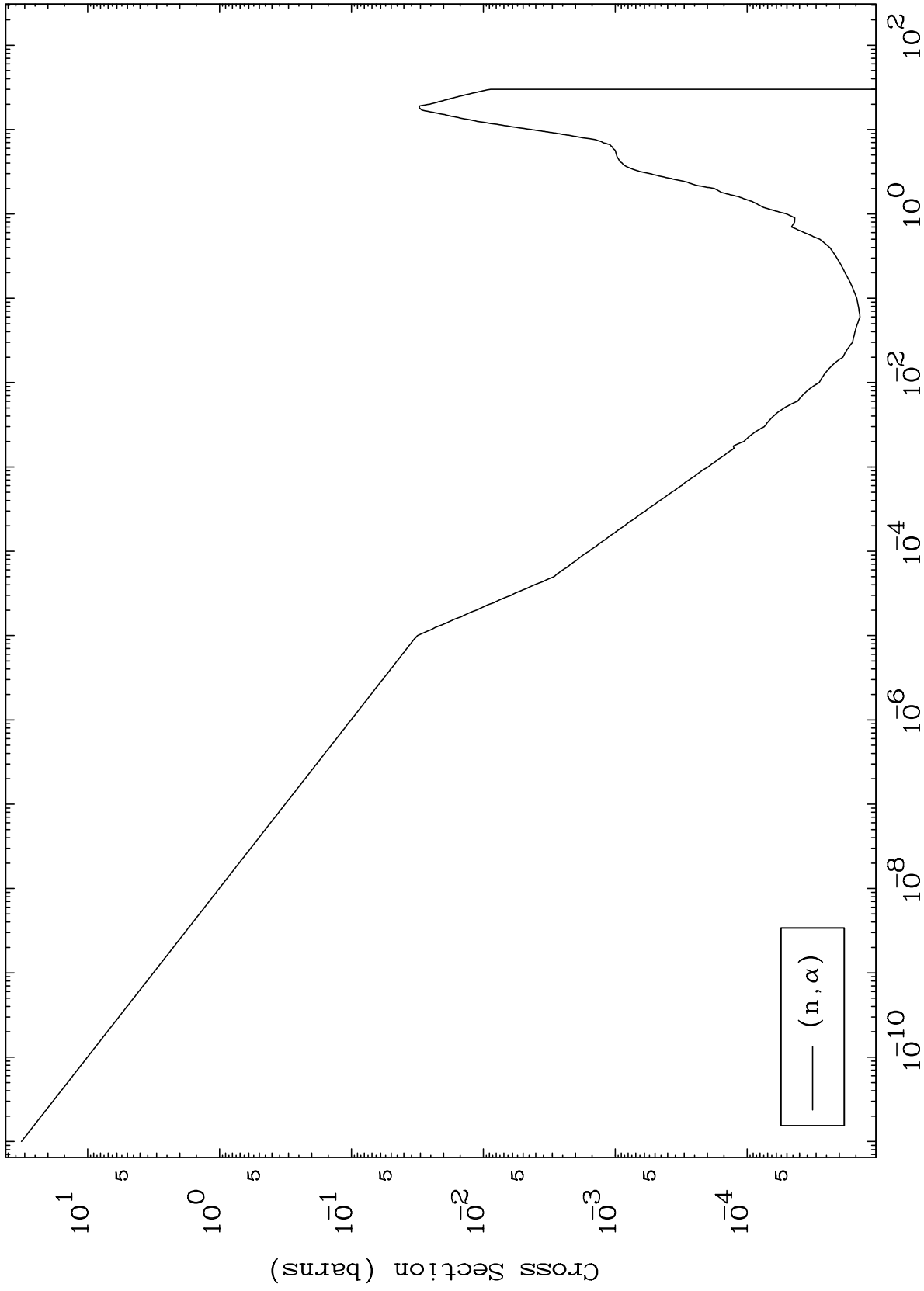
Incident Energy (MeV)

64-Gd-148

MAT 6413

(n,α) Levels  
293 Kelvin Cross Sections

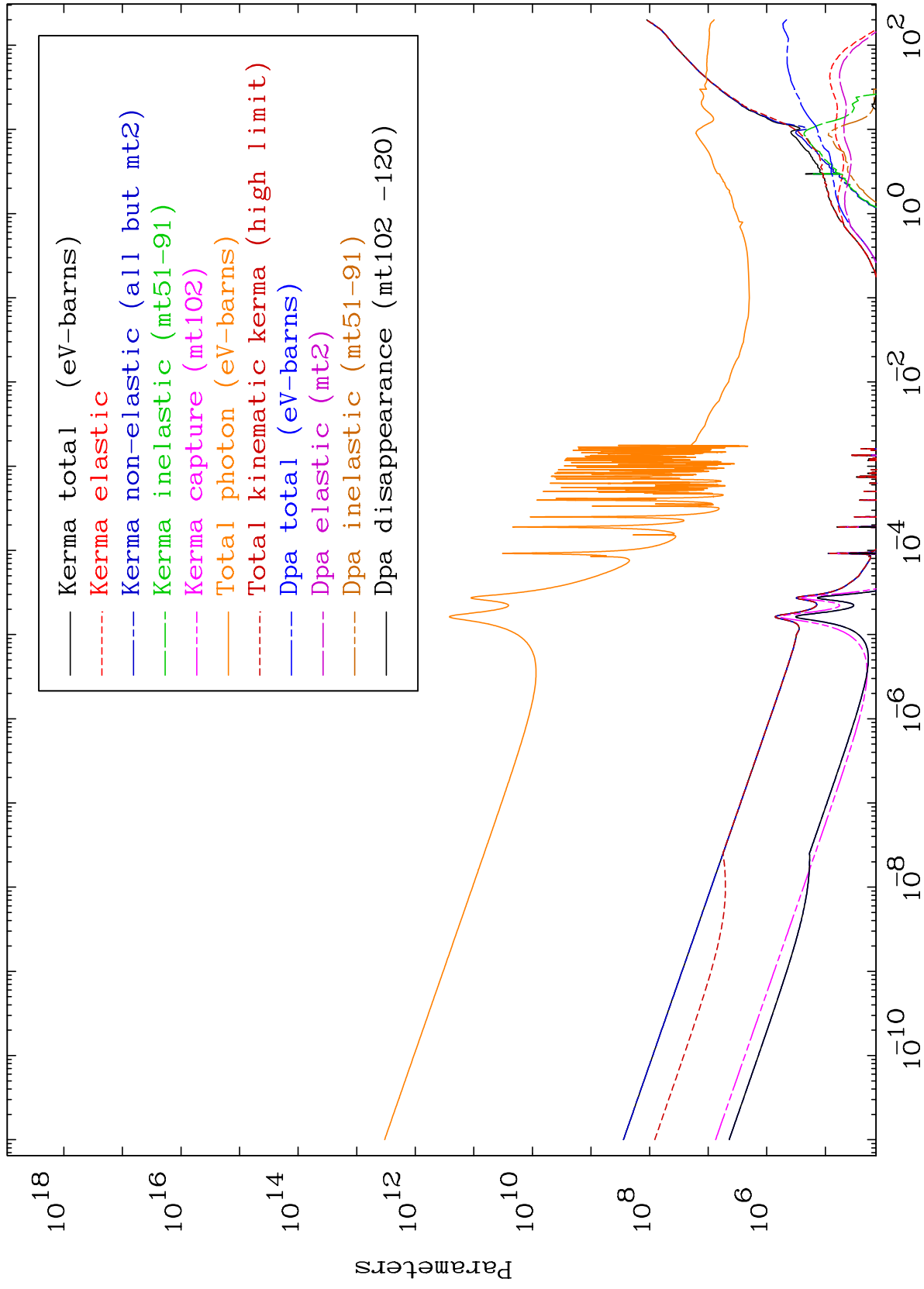
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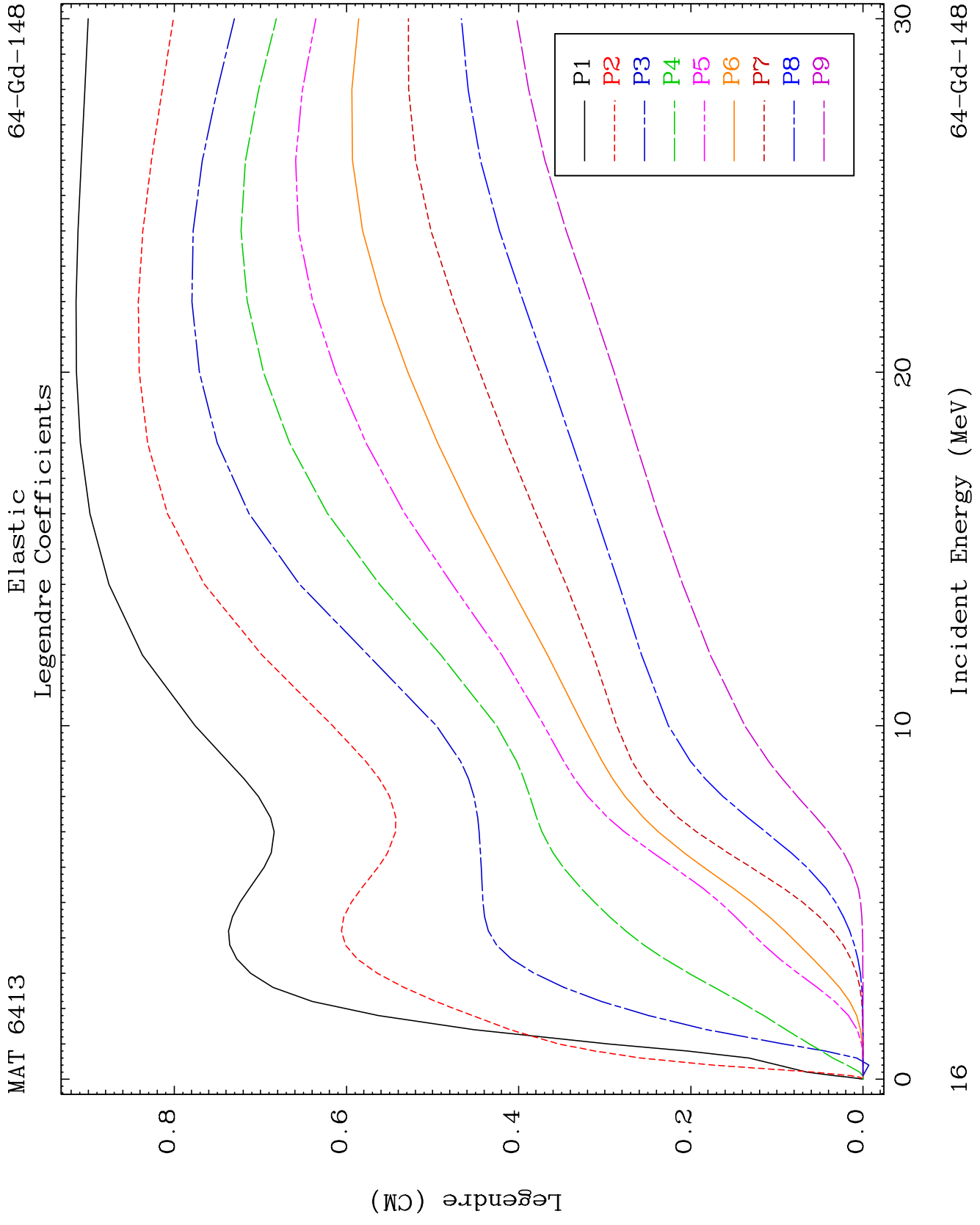
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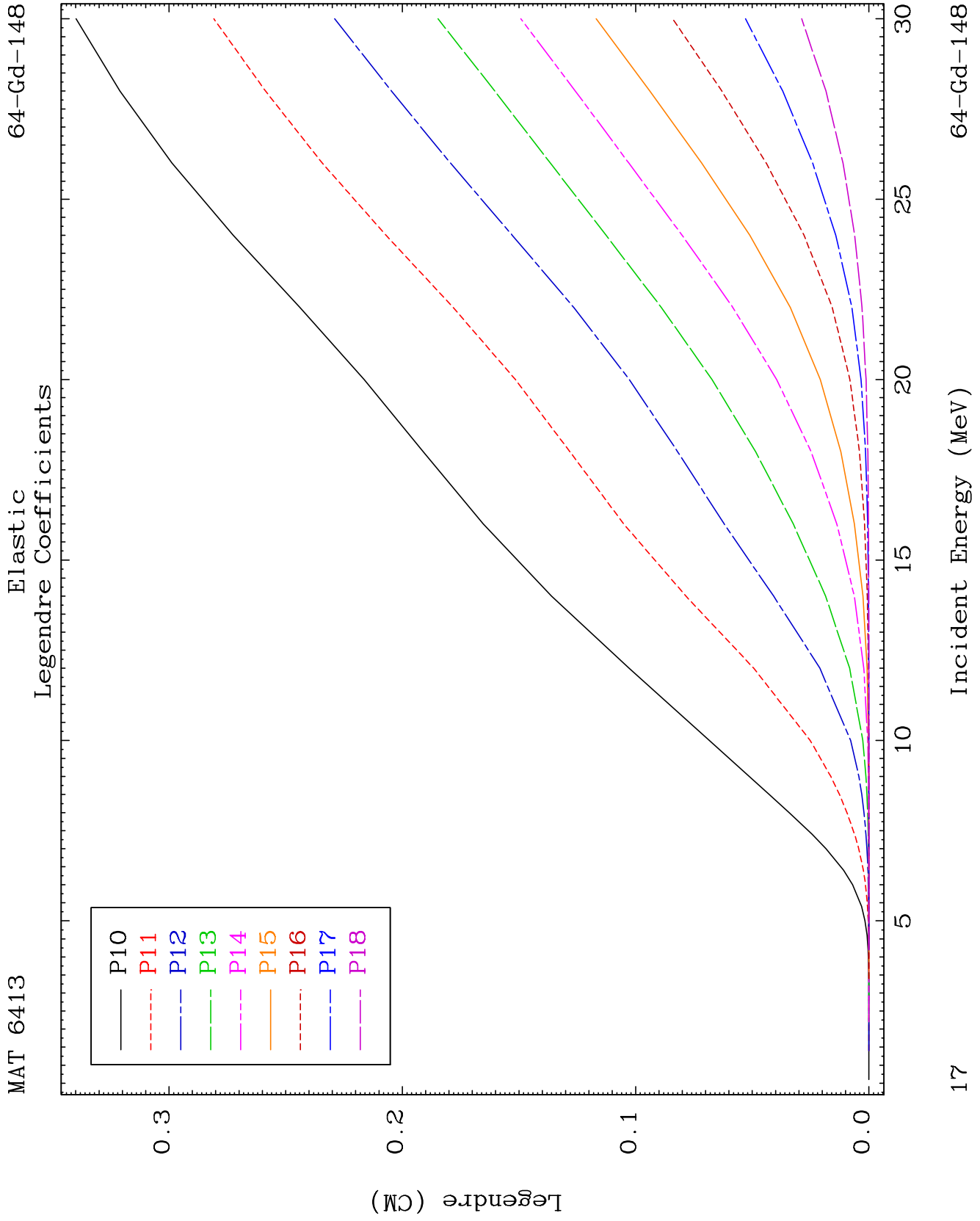
Incident Energy (MeV)

64-Gd-148





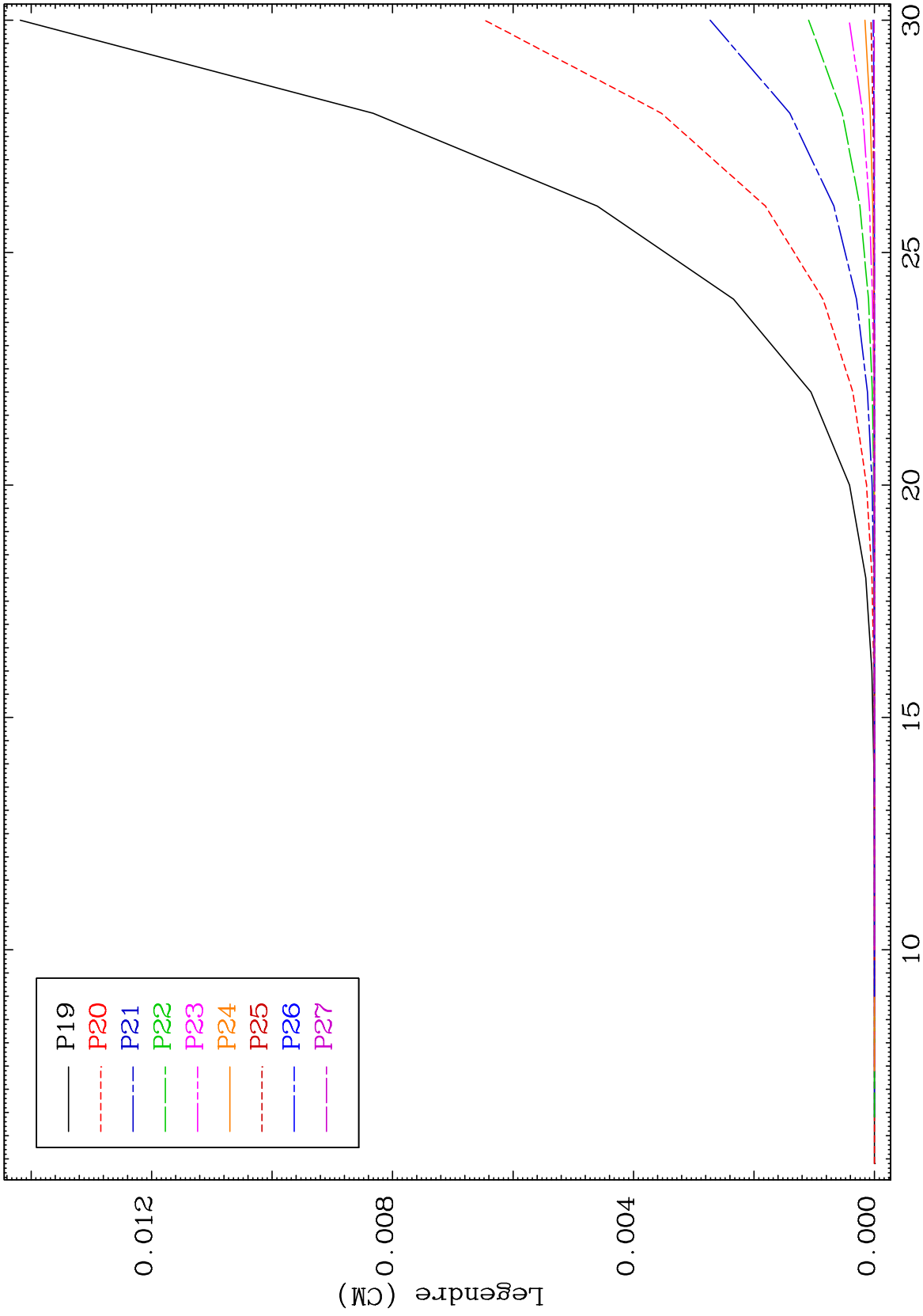




MAT 6413

### Elastic Legendre Coefficients

64-Gd-148



18

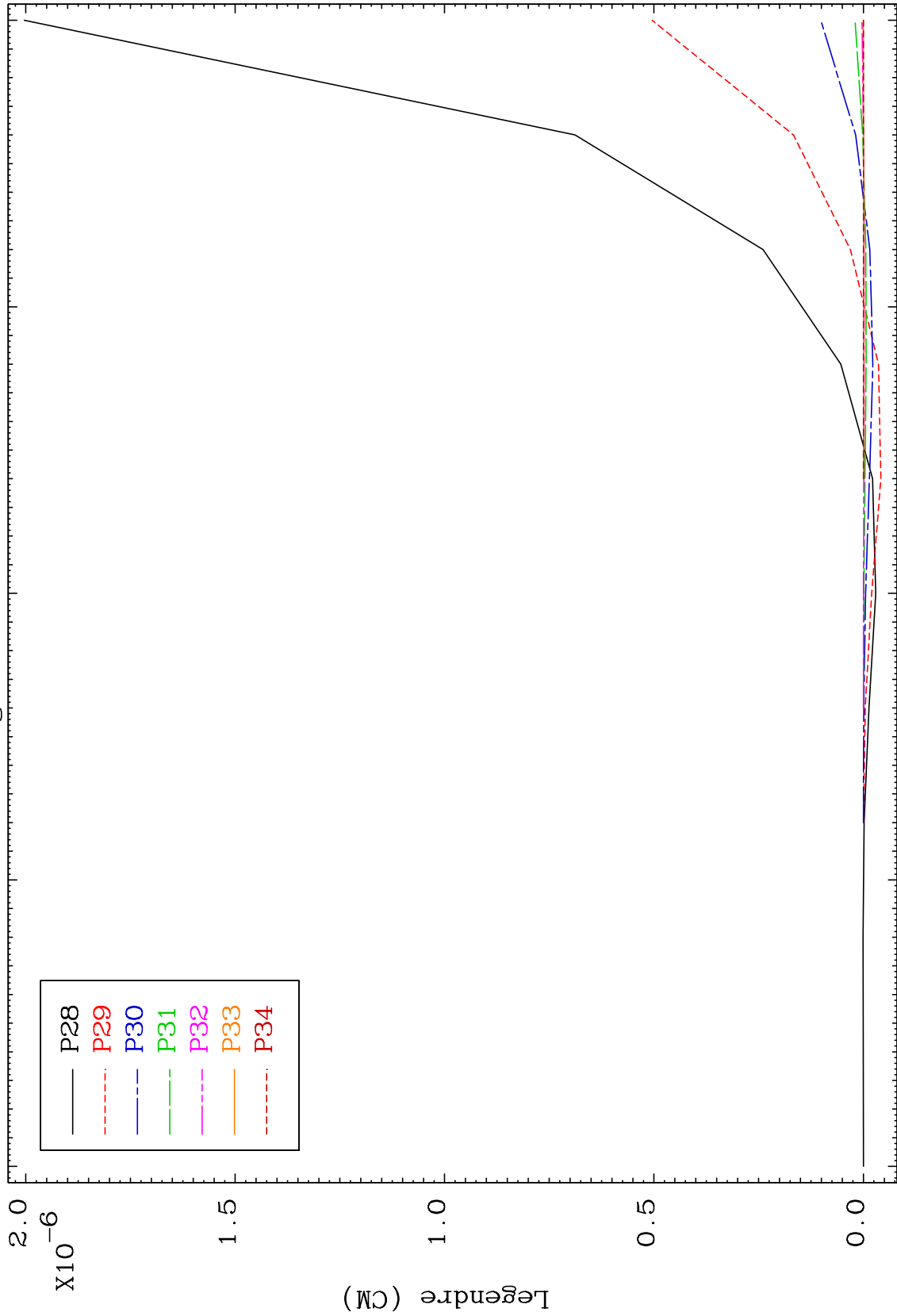
Incident Energy (MeV)

64-Gd-148

MAT 6413

Elastic Legendre Coefficients

64-Gd-148



19

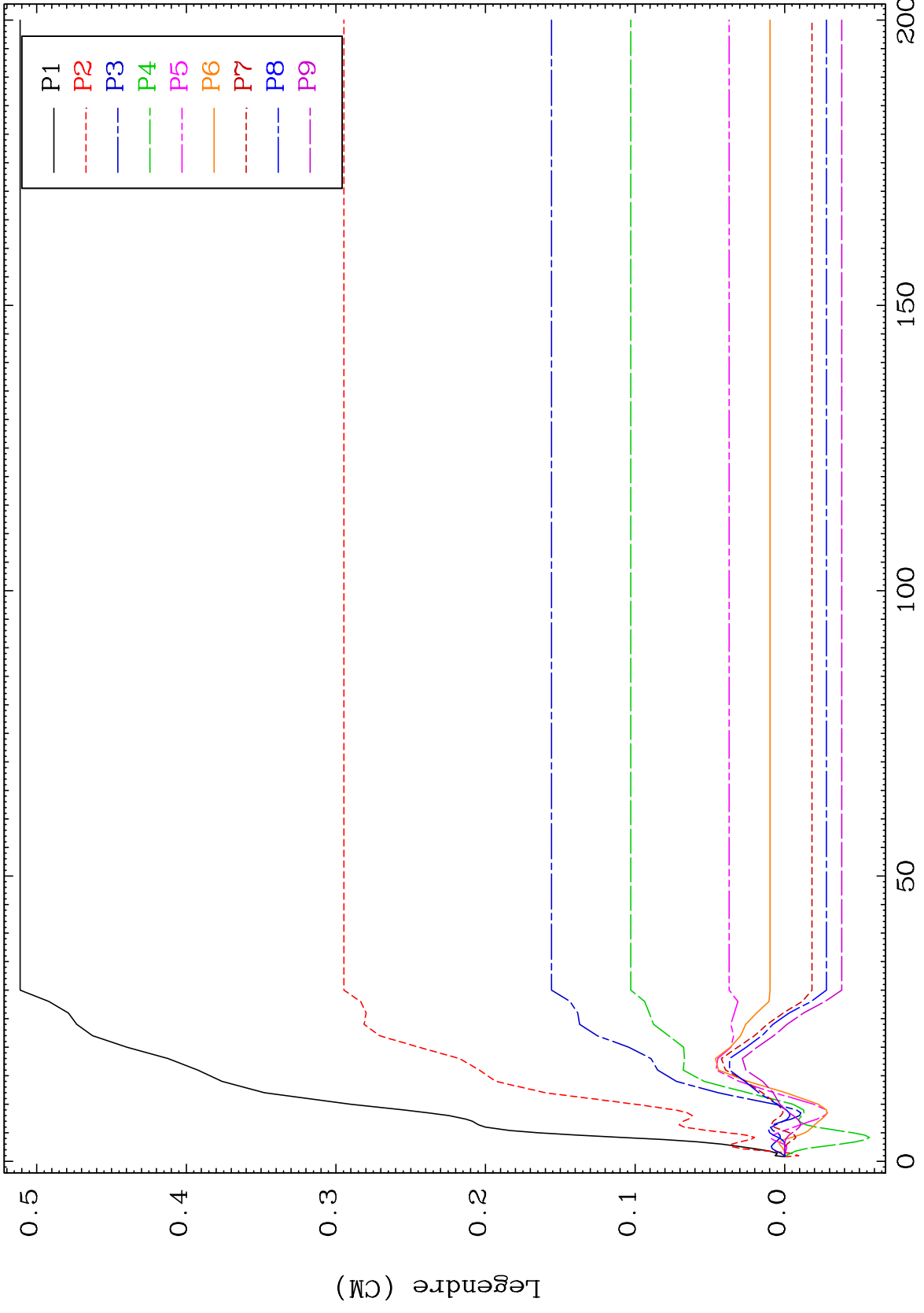
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



20

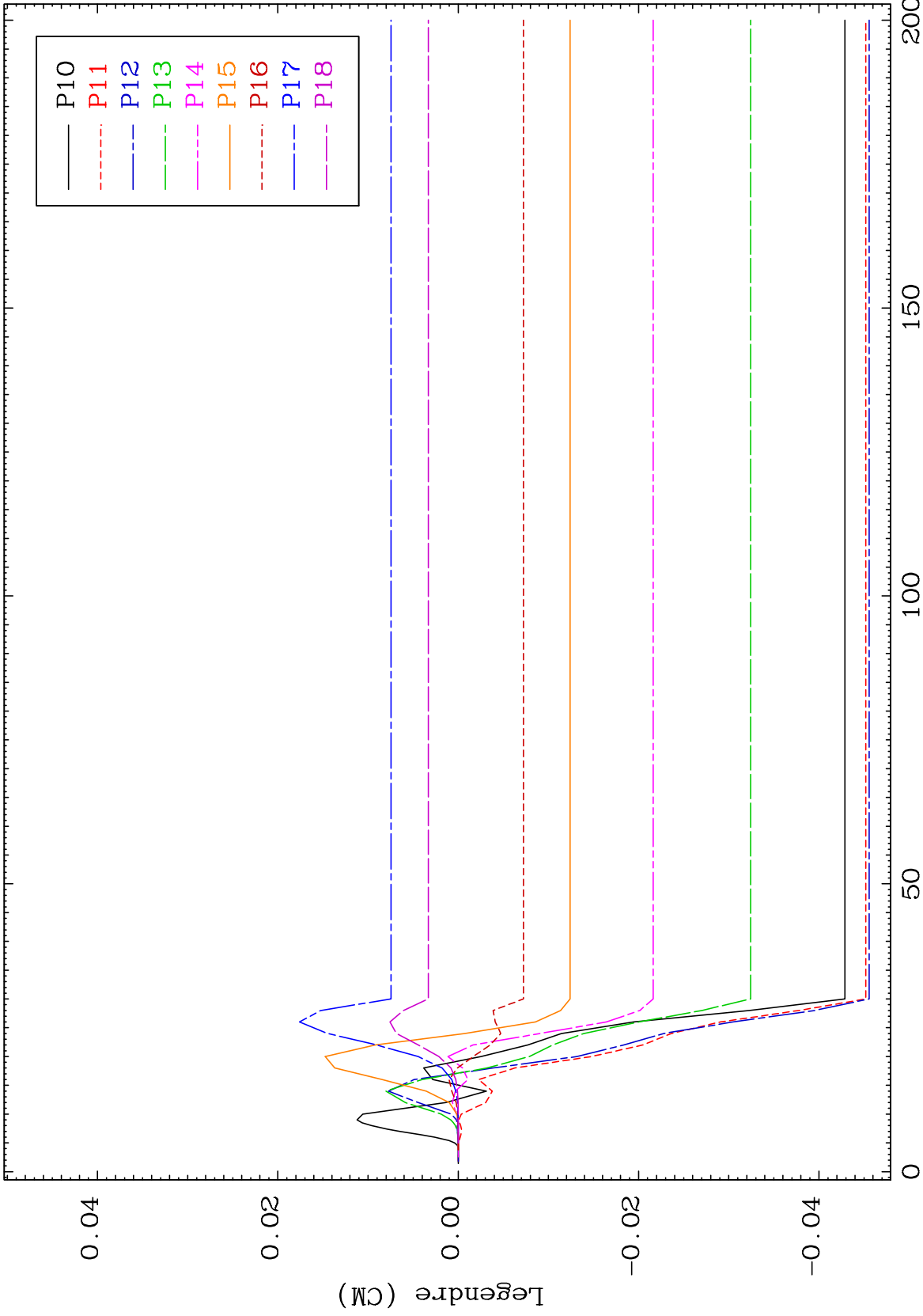
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



21

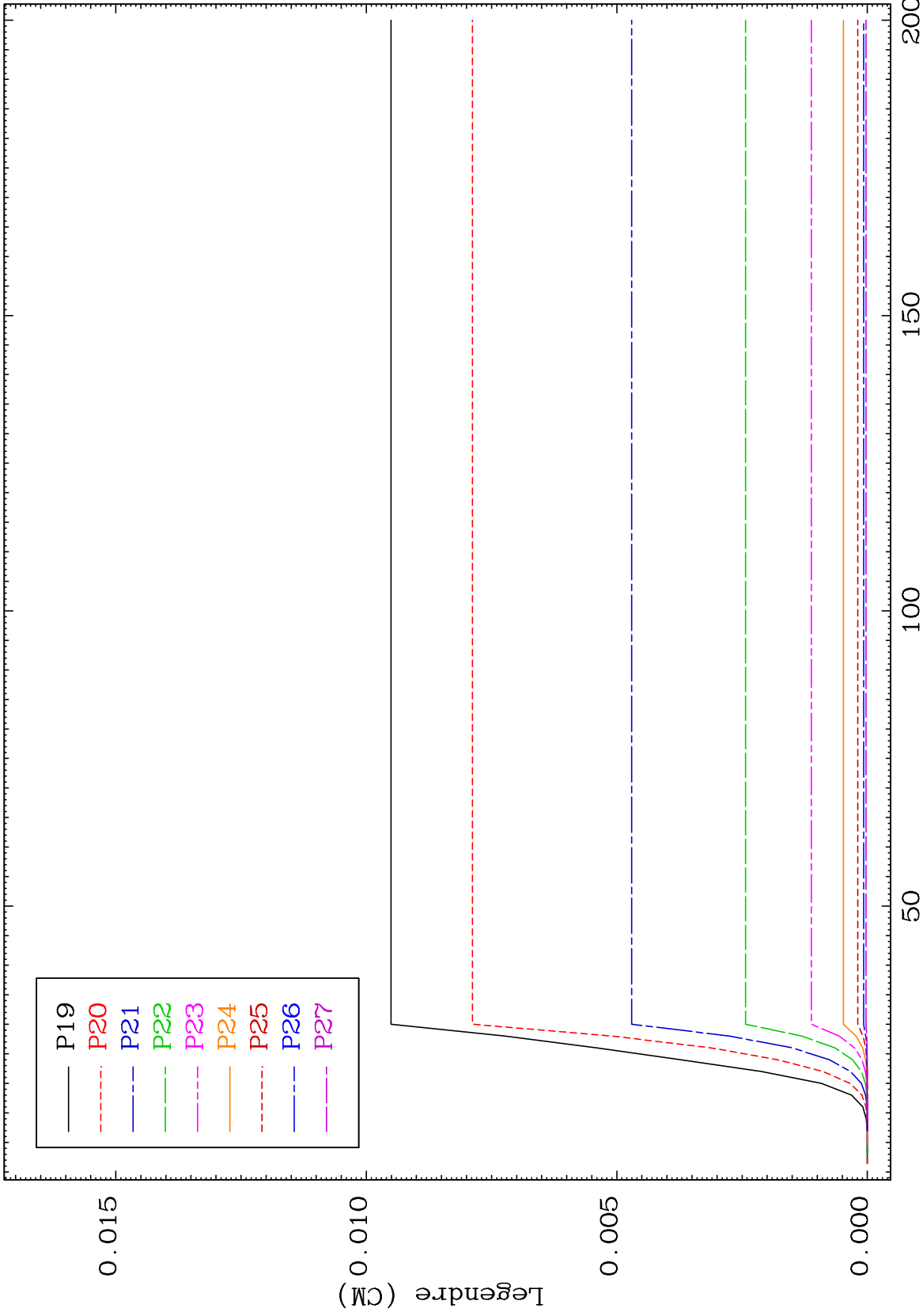
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



22

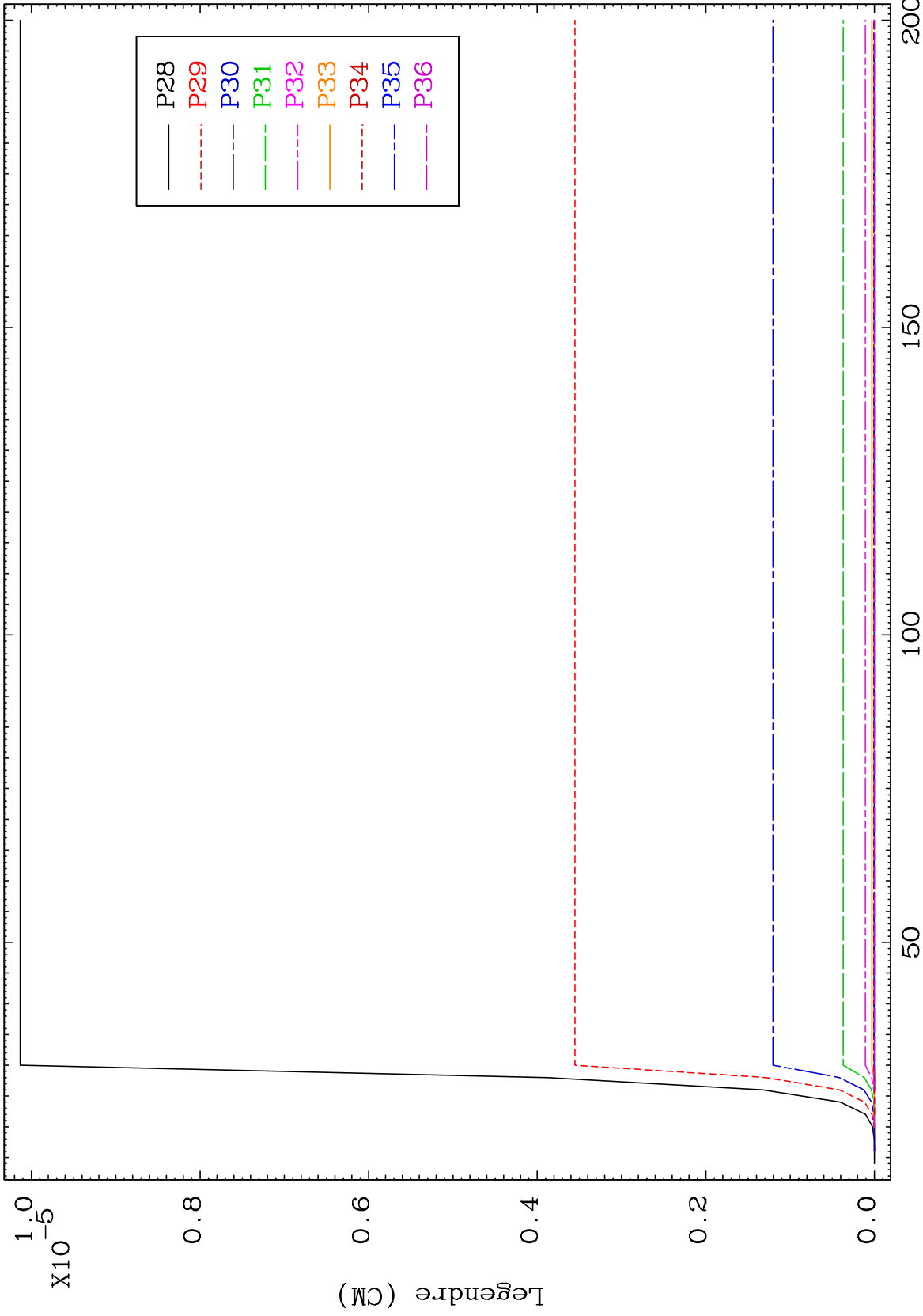
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



23

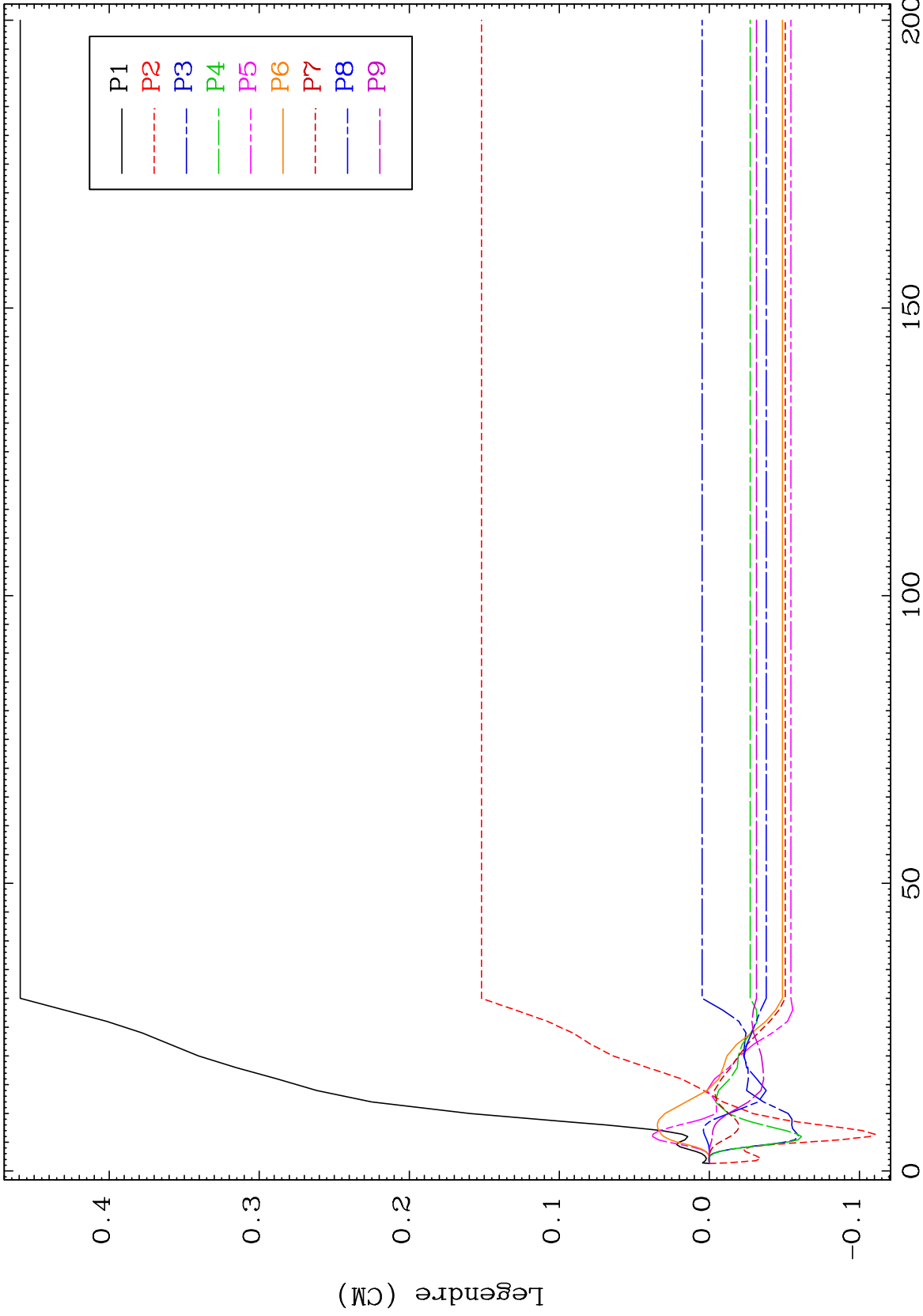
64-Gd-148



MAT 6413

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

64-Gd-148



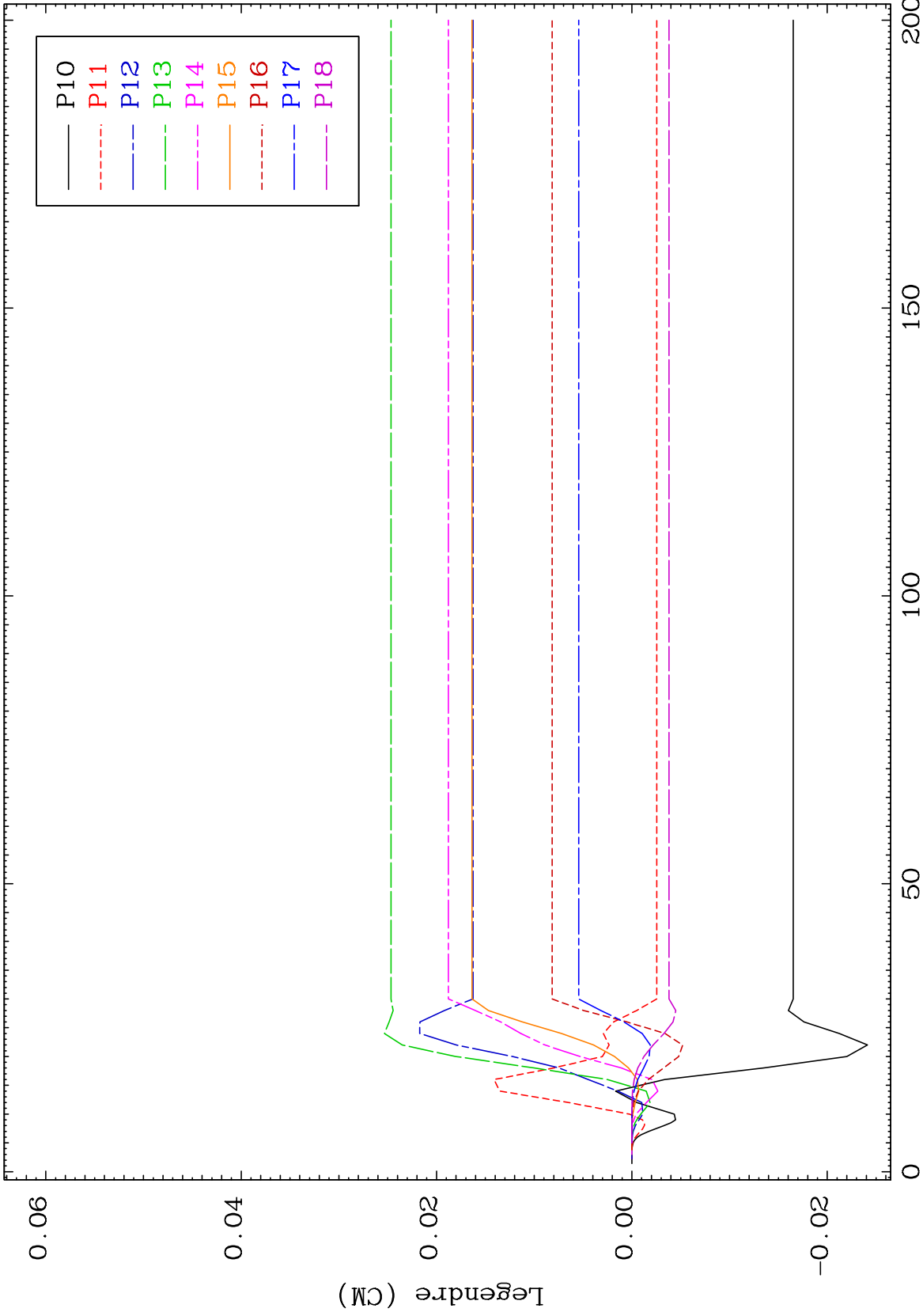
24

64-Gd-148

MAT 6413

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

64-Gd-148



25

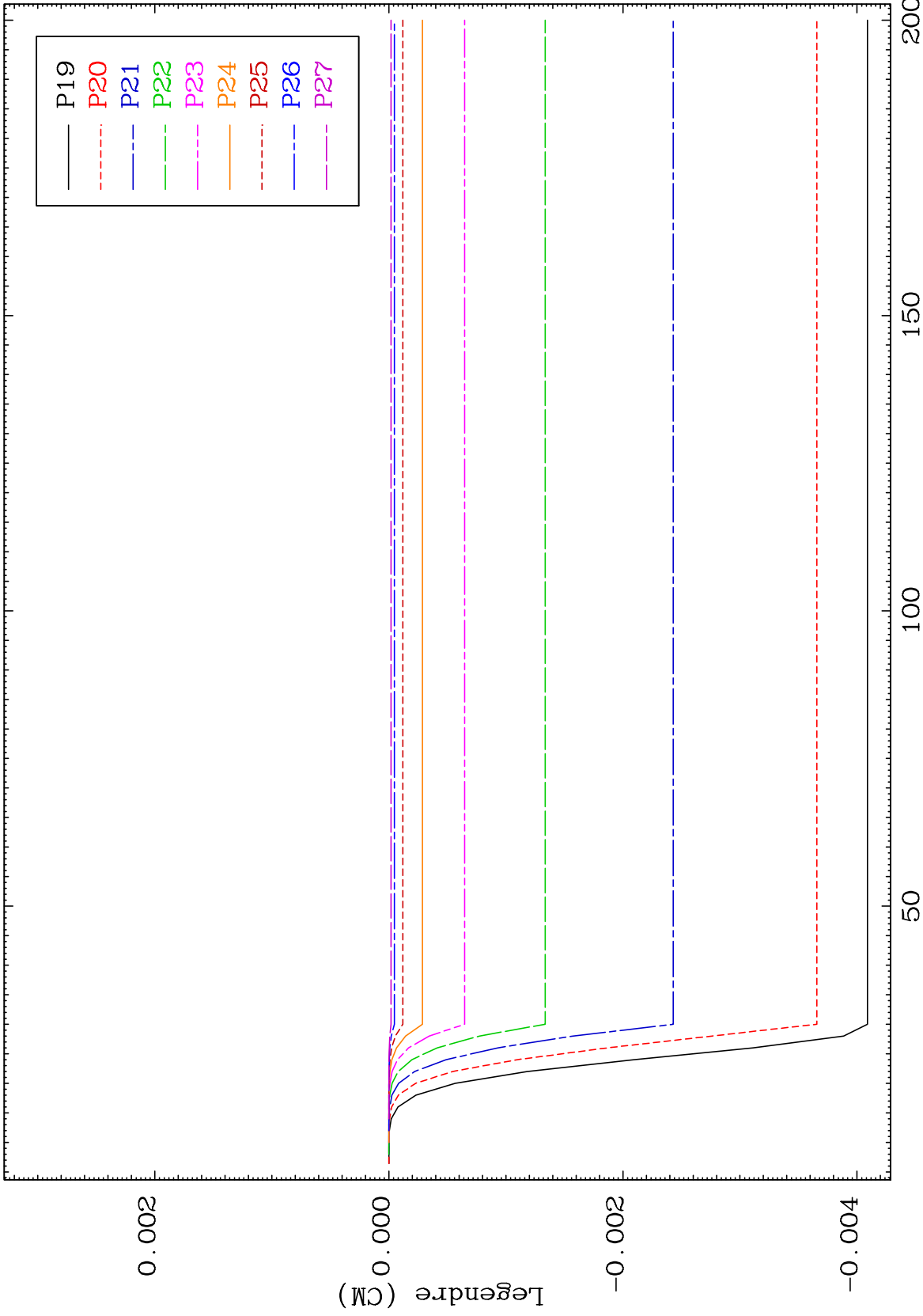
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



26

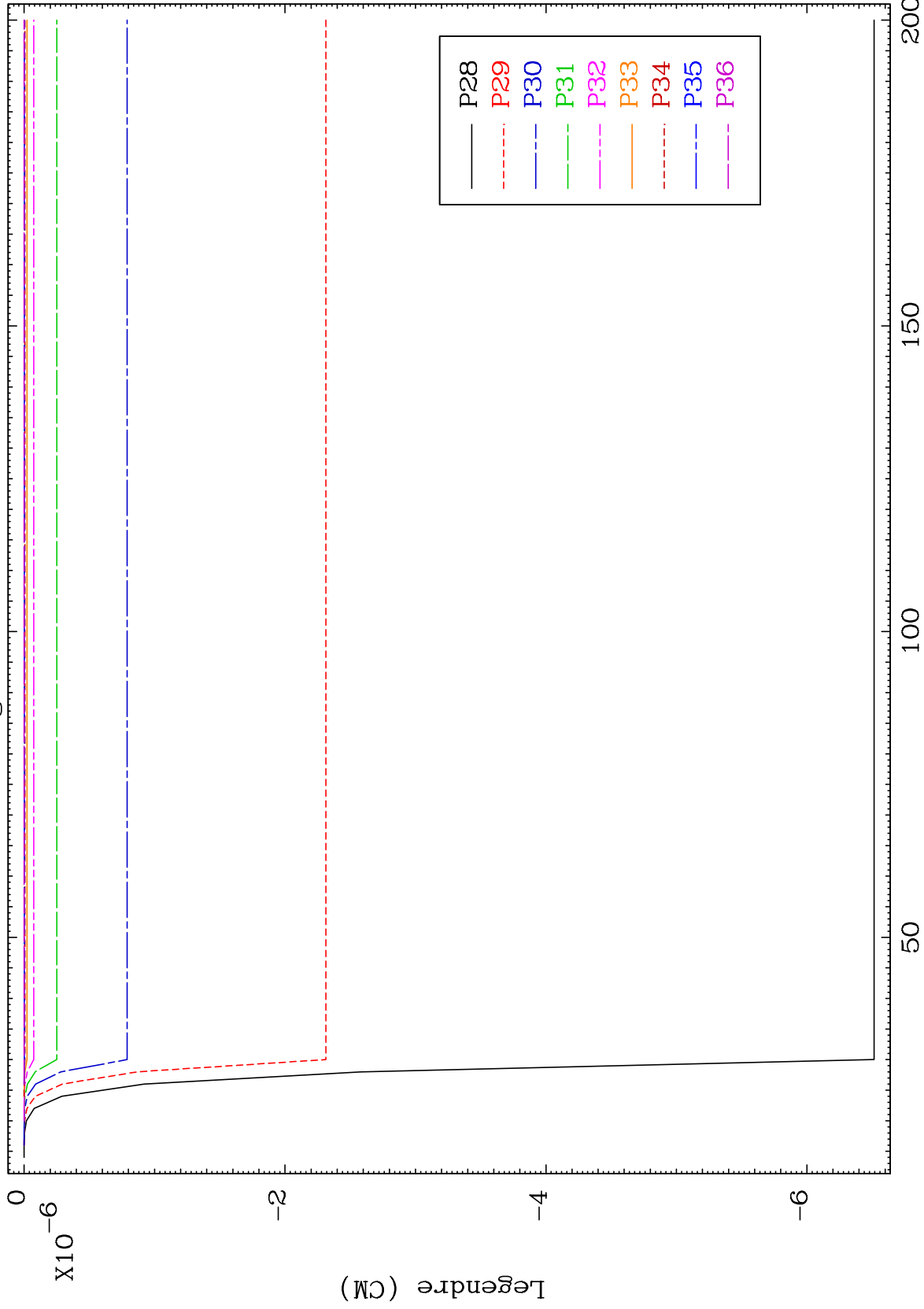
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



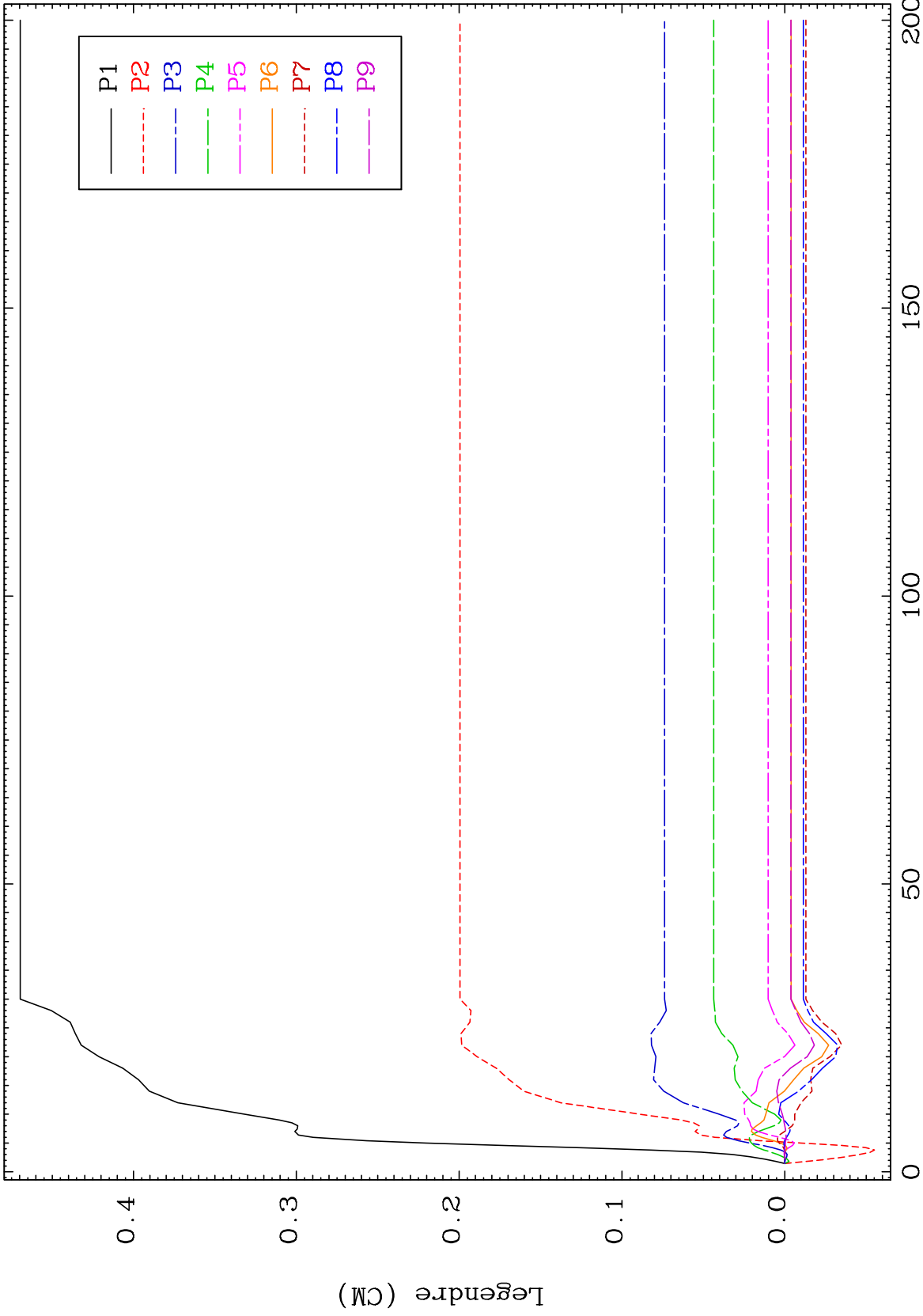
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64-Gd-148

MAT 6413

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

64-Gd-148



28

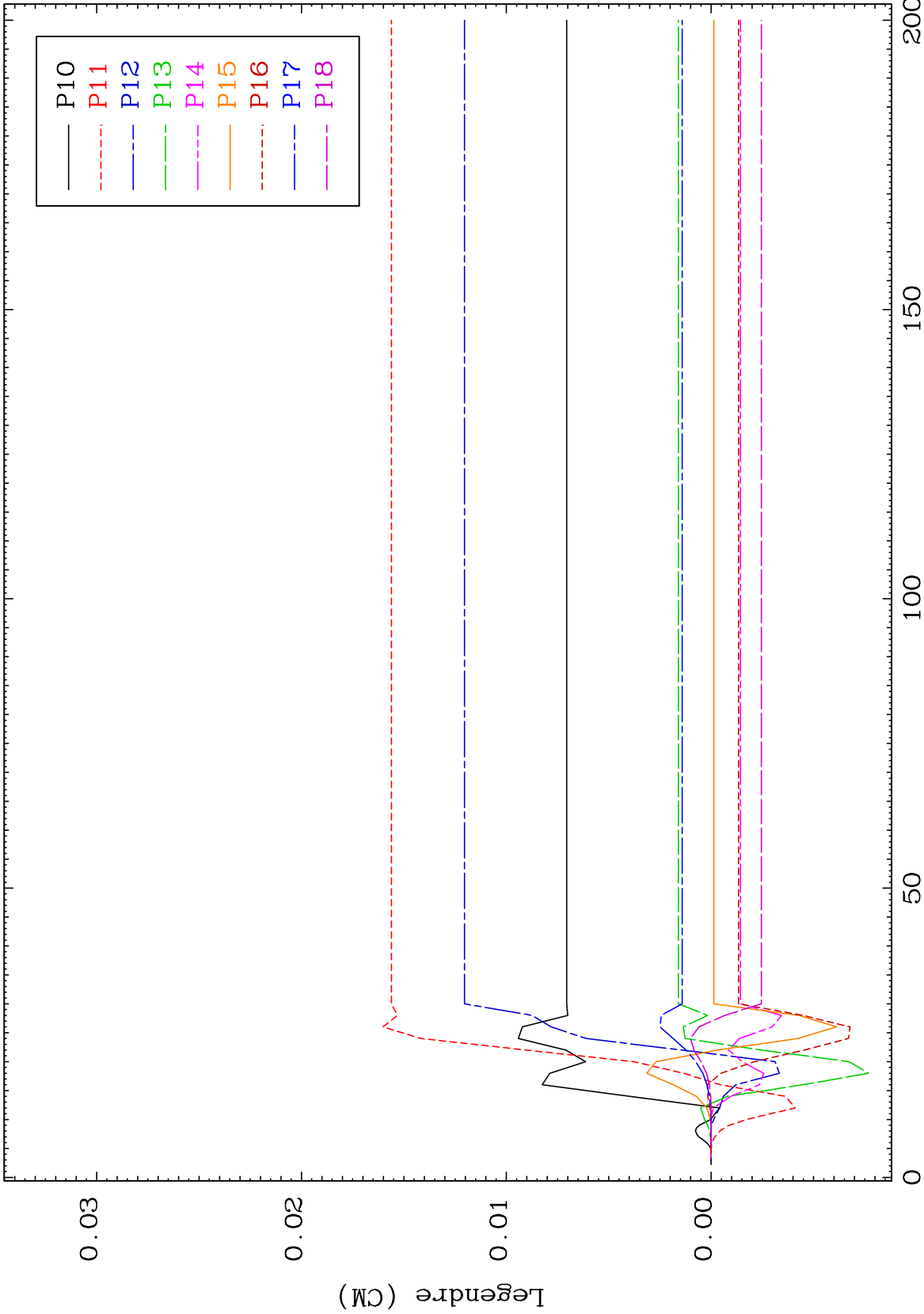
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



29

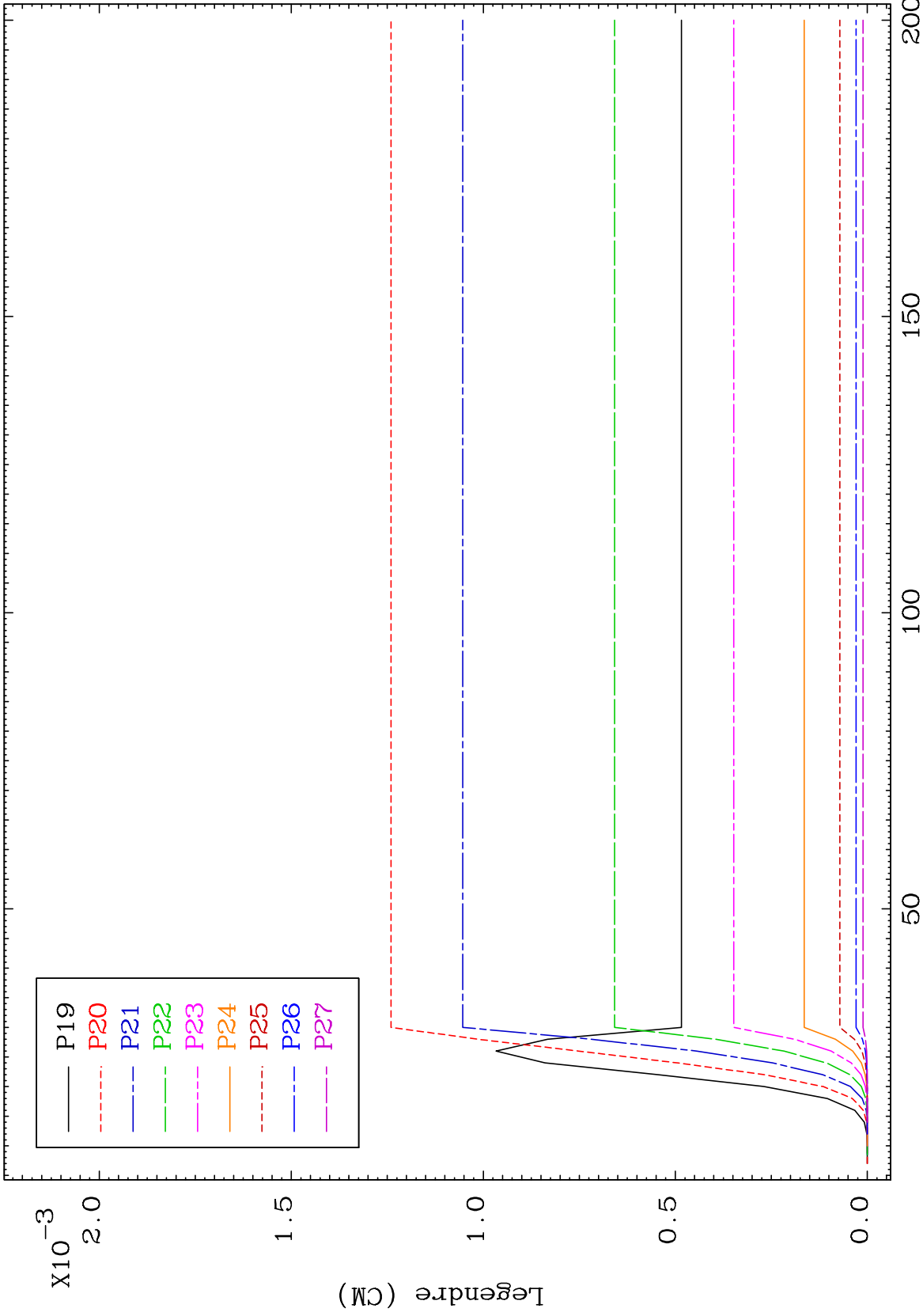
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



30

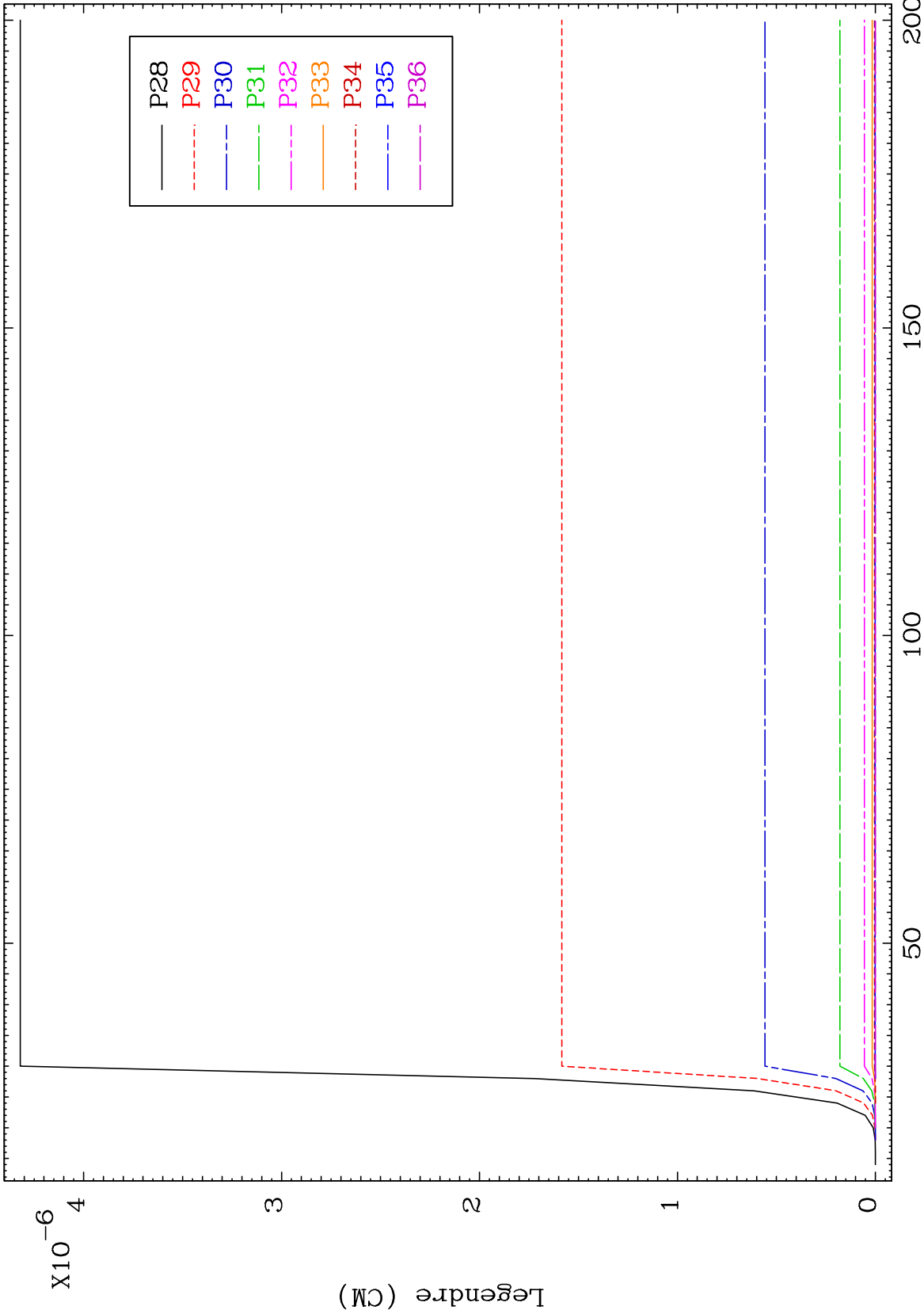
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



31

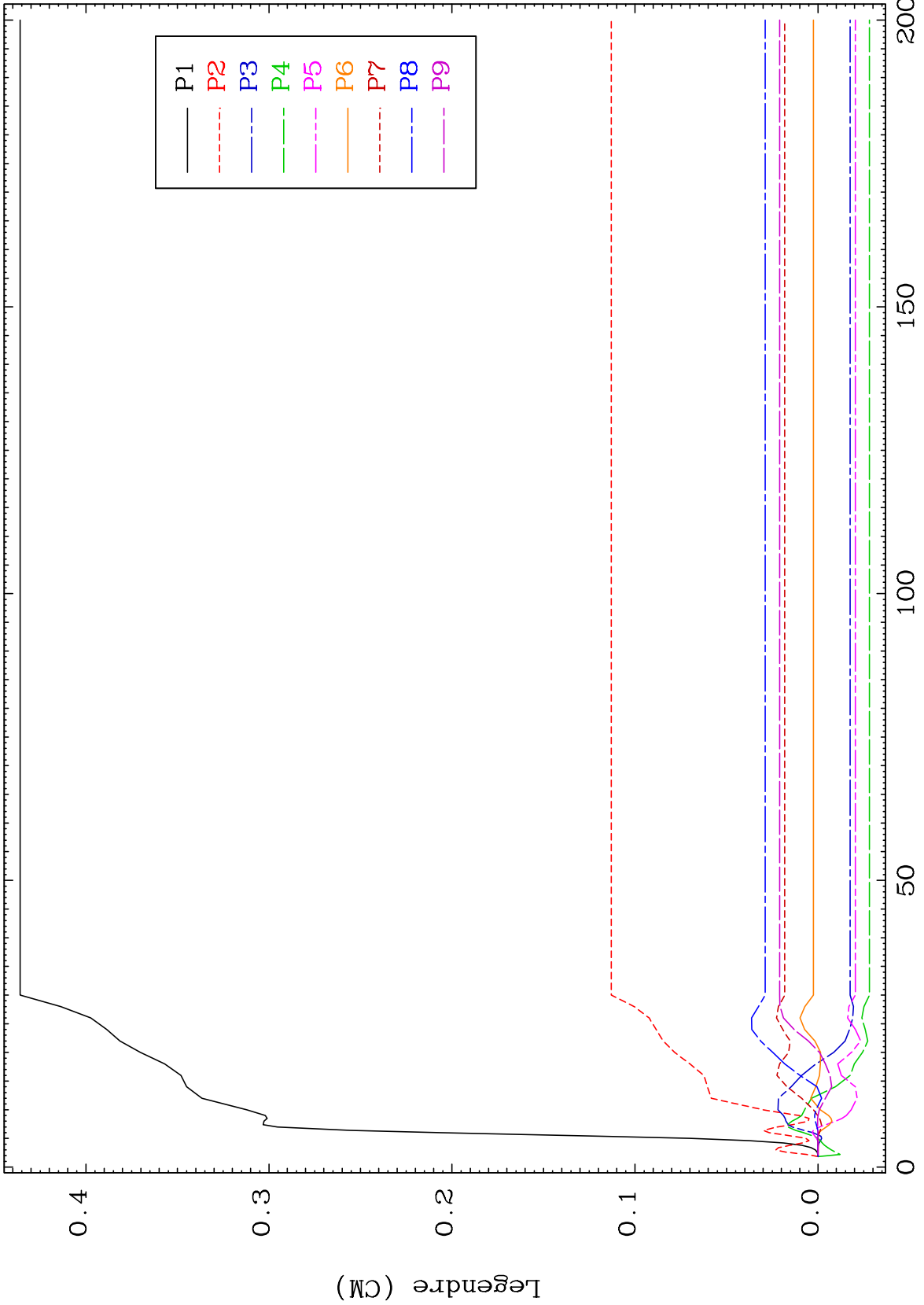
64-Gd-148



MAT 6413

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

64-Gd-148



32

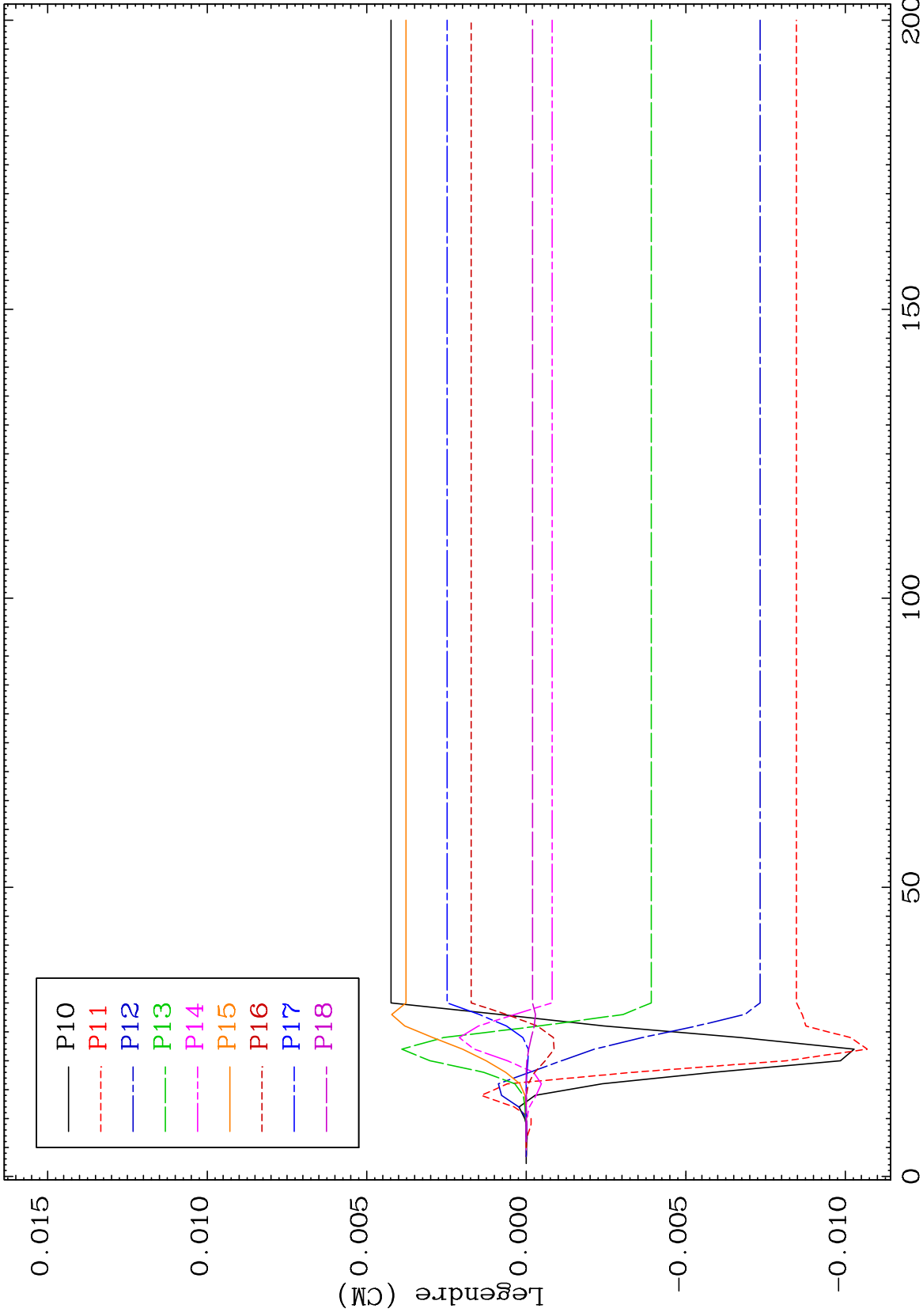
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



33

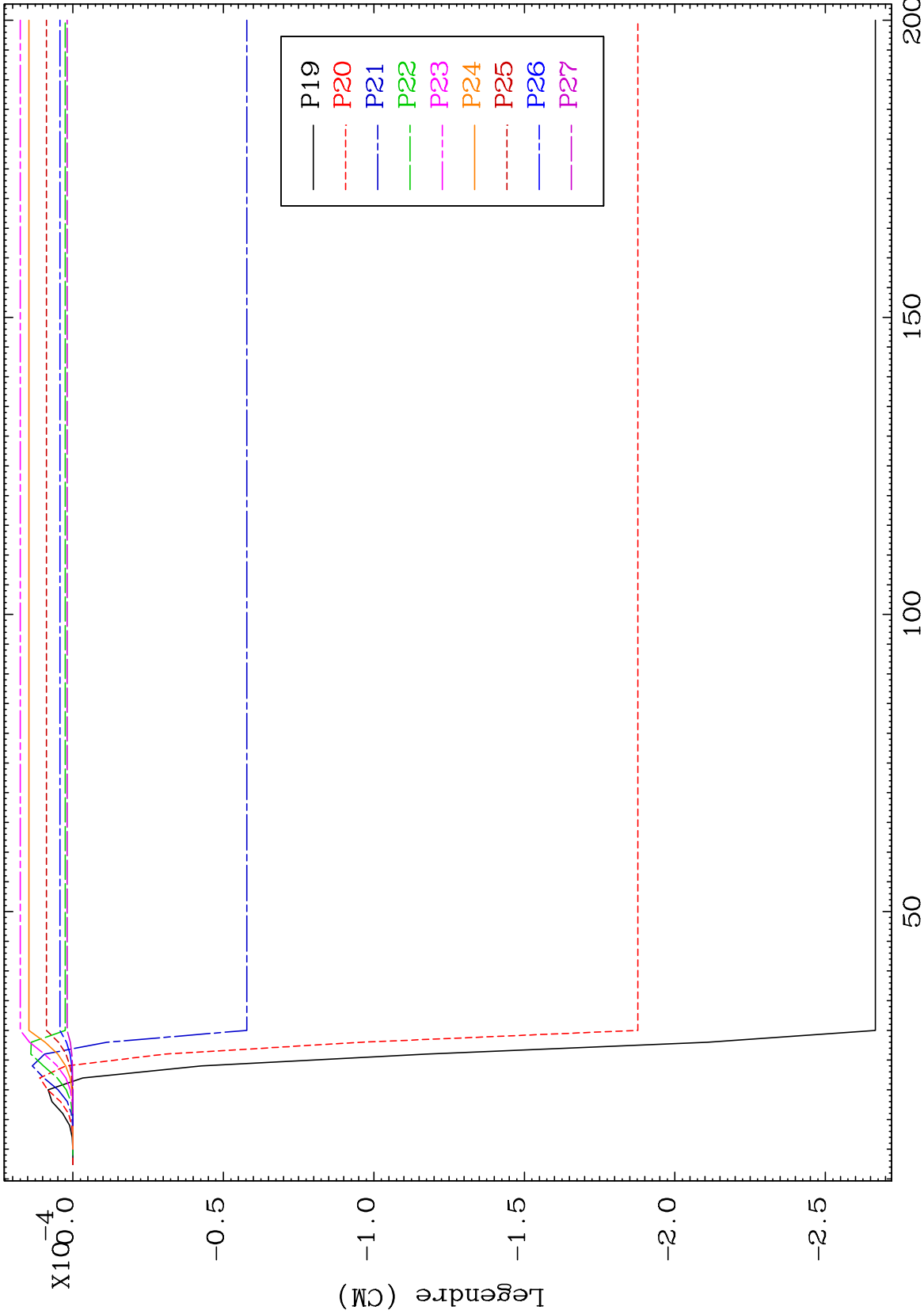
64-Gd-148

64-Gd-148

MAT 6413

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

64-Gd-148



64-Gd-148

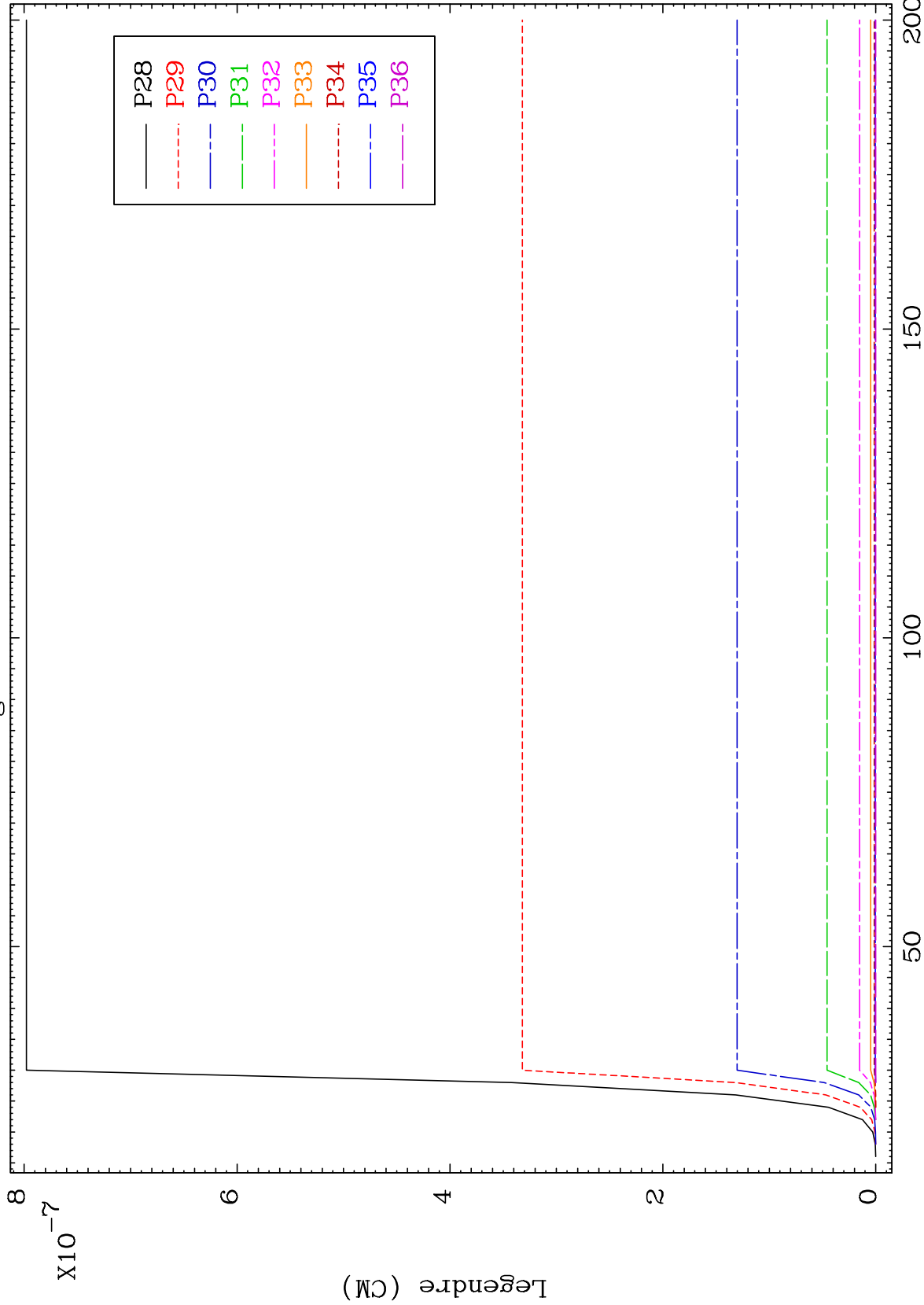
Incident Energy (MeV)

34

MAT 6413

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

64-Gd-148

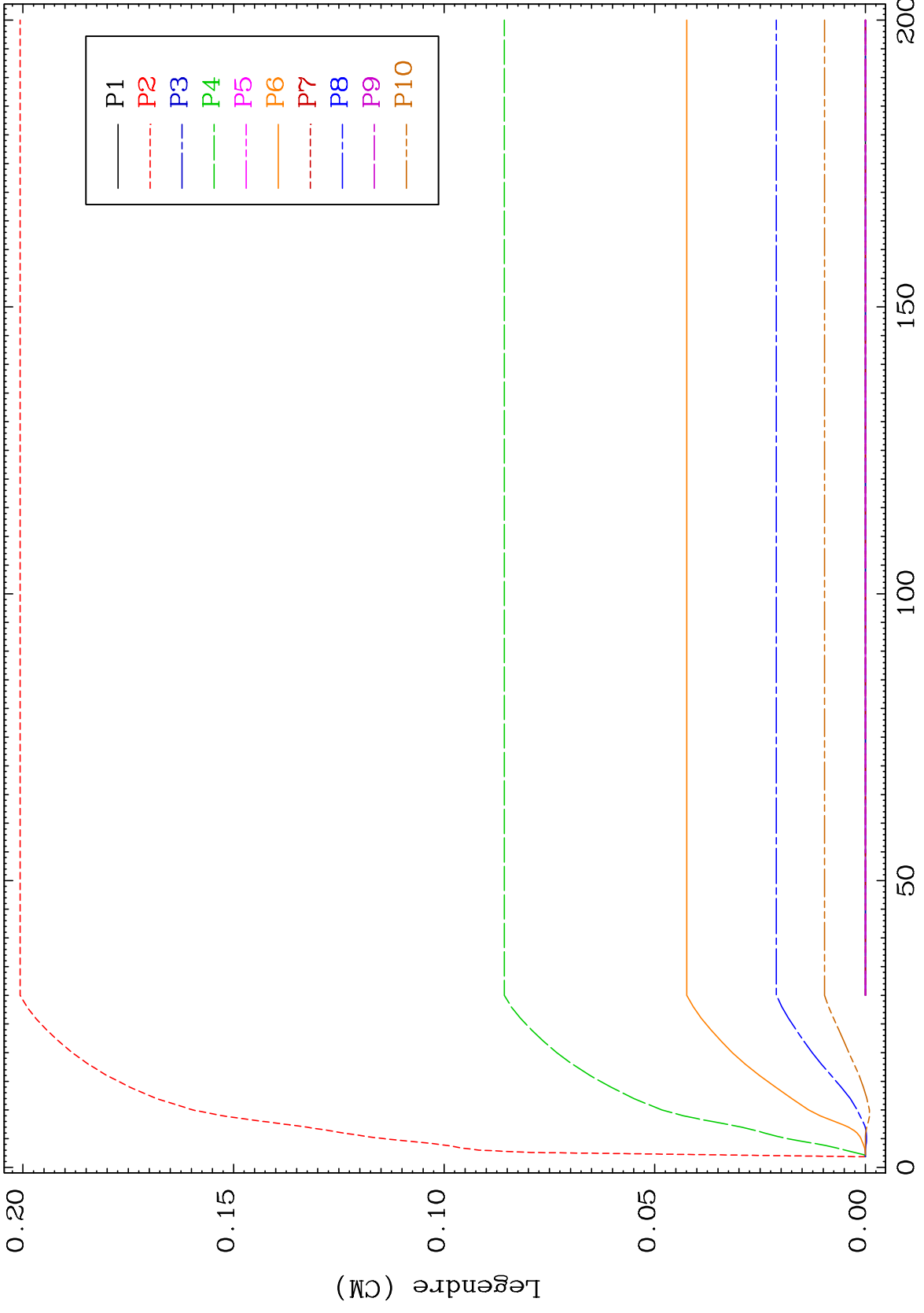


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Incident Energy (MeV)

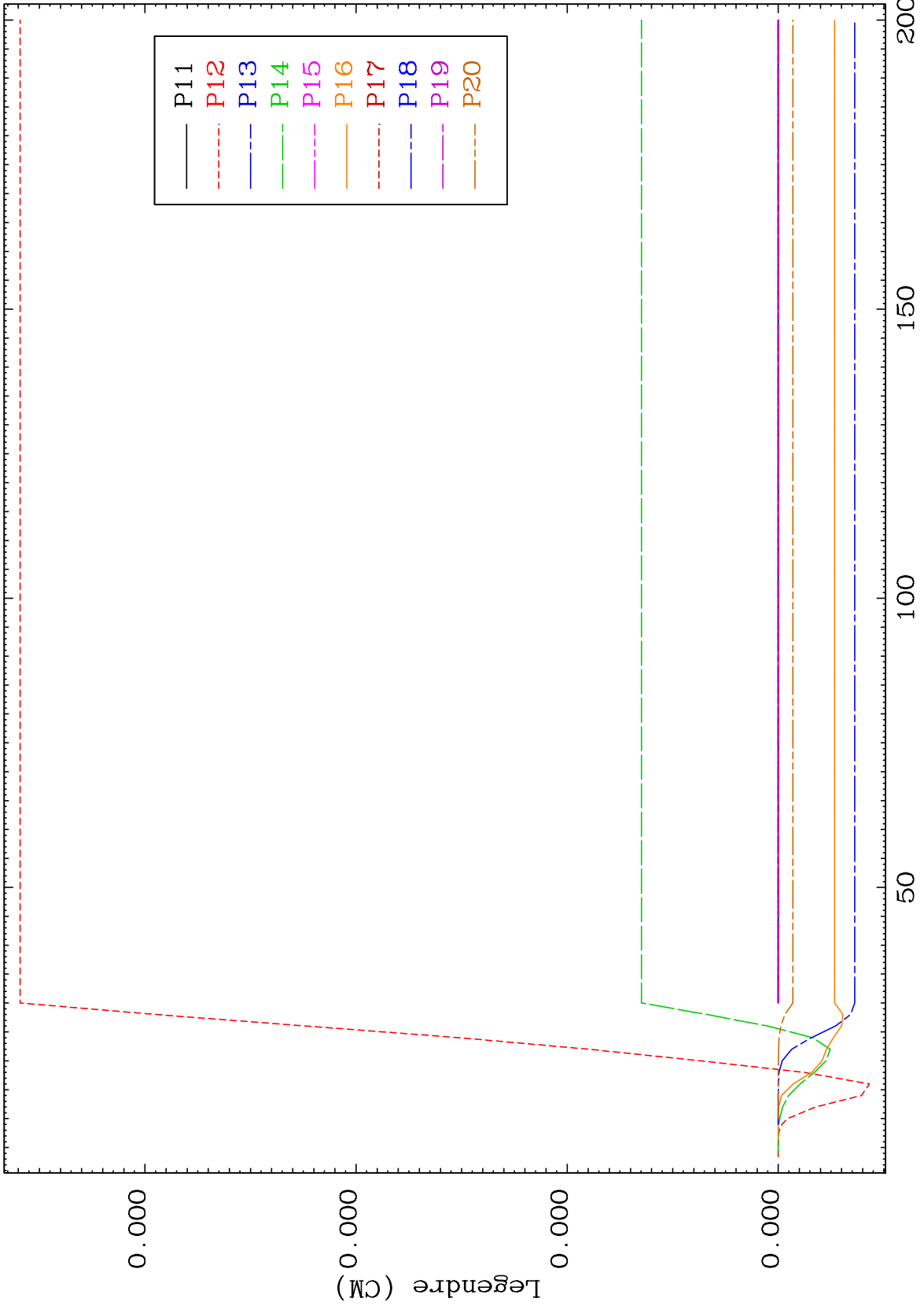
64-Gd-148

MAT 6413 MT= 55 (n,n') Level Legendre Coefficients 64-Gd-148



36 64-Gd-148

MAT 6413 MT= 55 (n,n') Level Legendre Coefficients 64-Gd-148

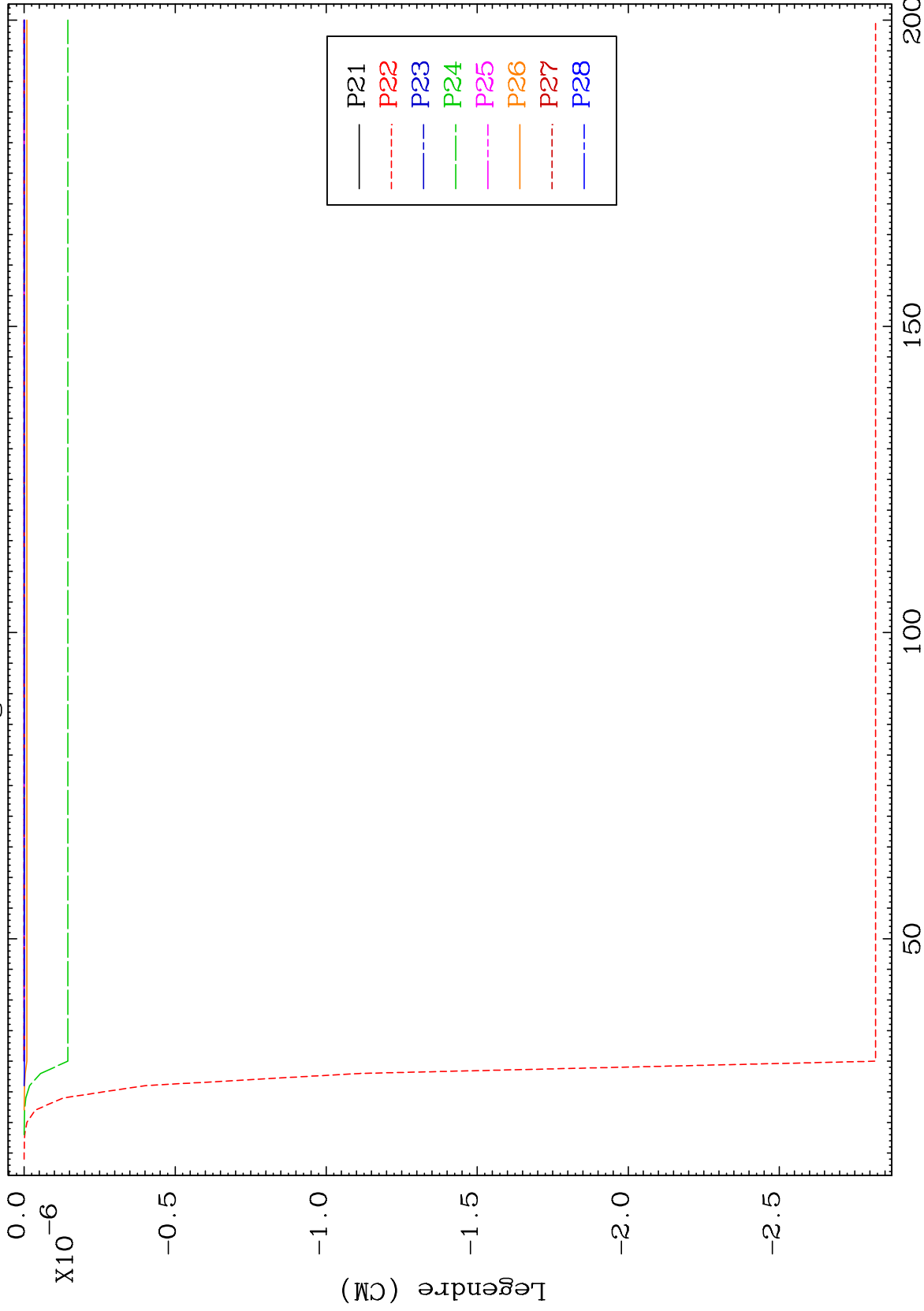


37 64-Gd-148

MAT 6413

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

64-Gd-148

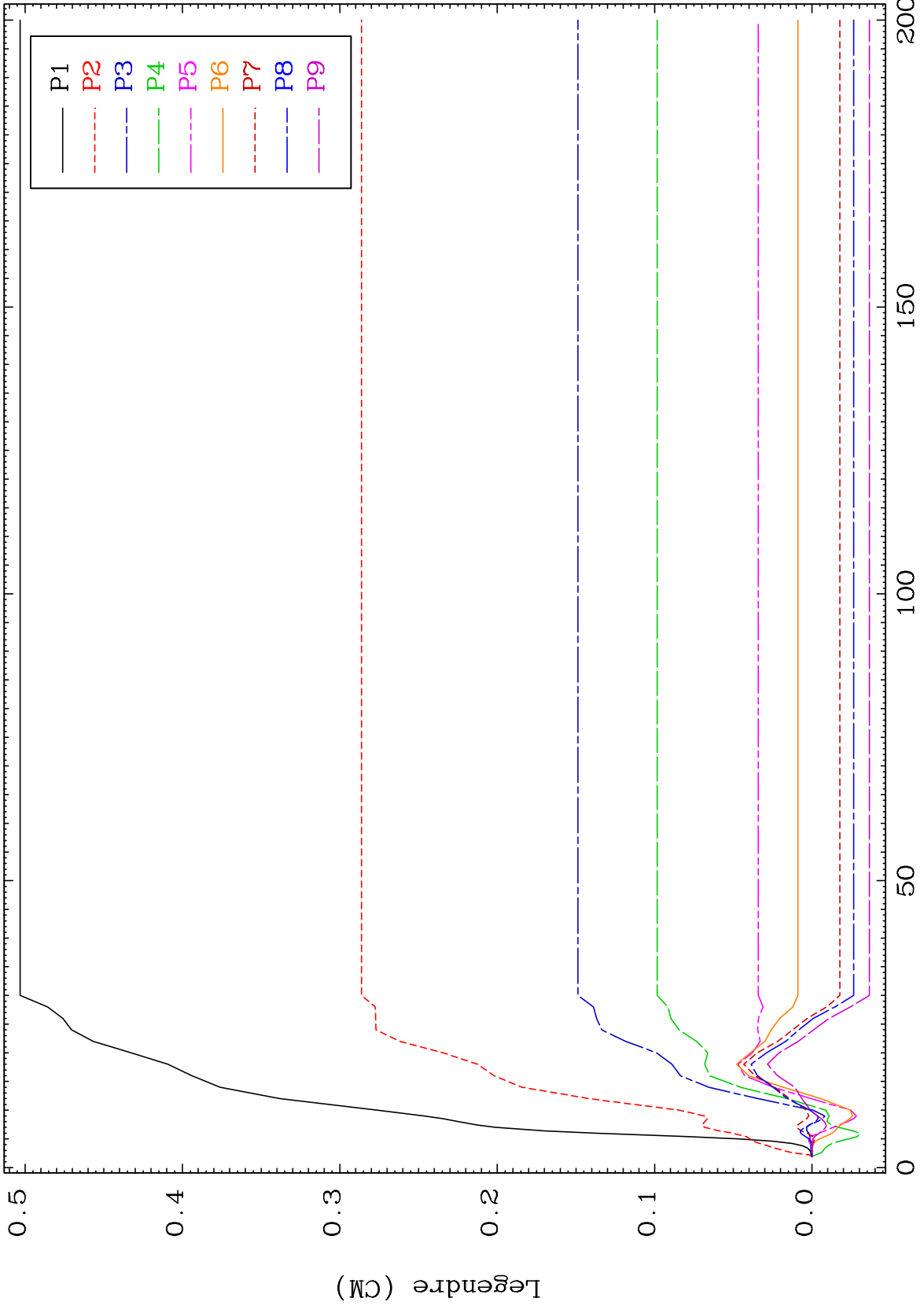


38

Incident Energy (MeV)

64-Gd-148

MAT 6413 MT= 56 (n,n') Level Legendre Coefficients 64-Gd-148



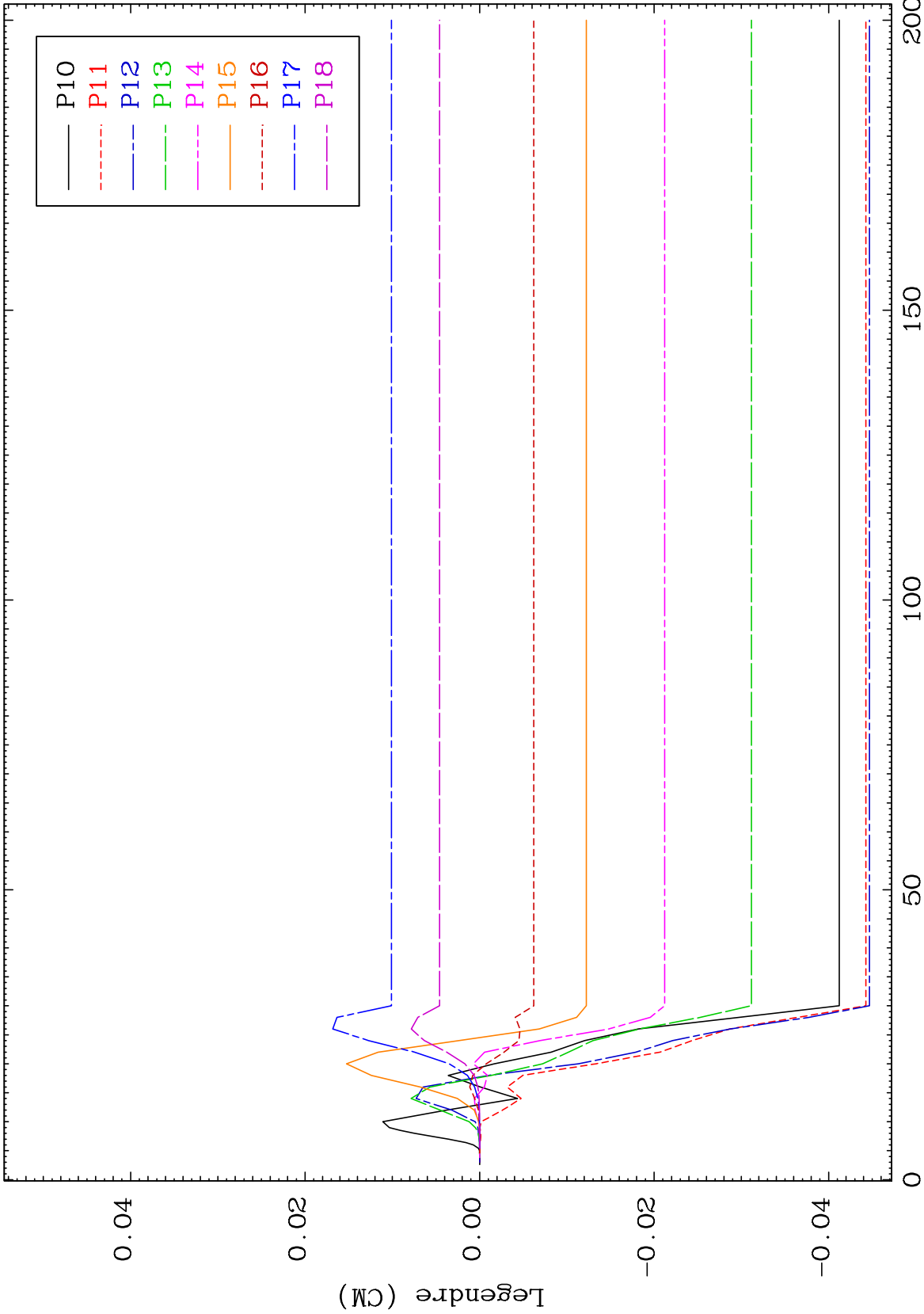
39 Incident Energy (MeV) 64-Gd-148



MAT 6413

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

64-Gd-148



40

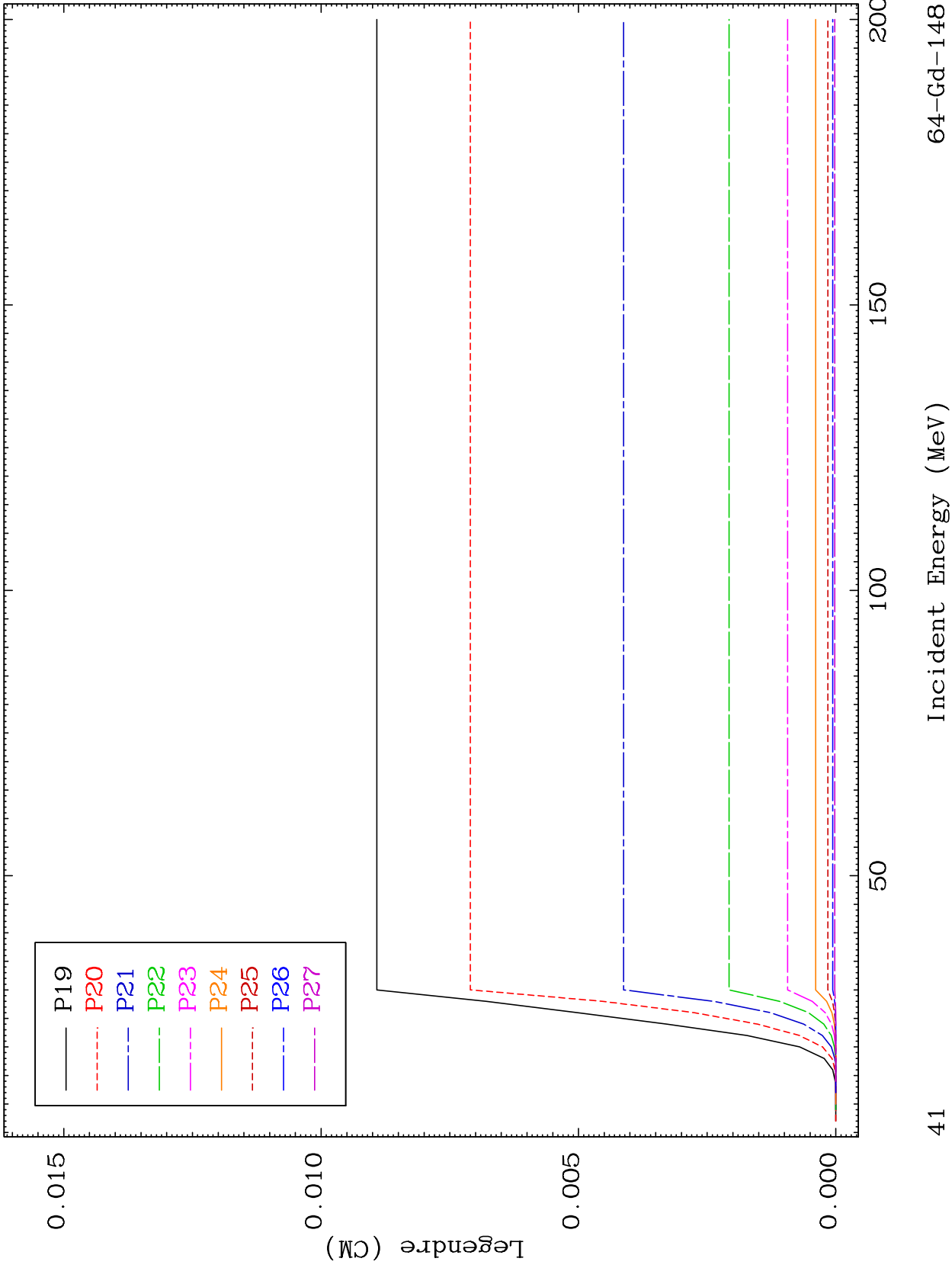
Incident Energy (MeV)

64-Gd-148

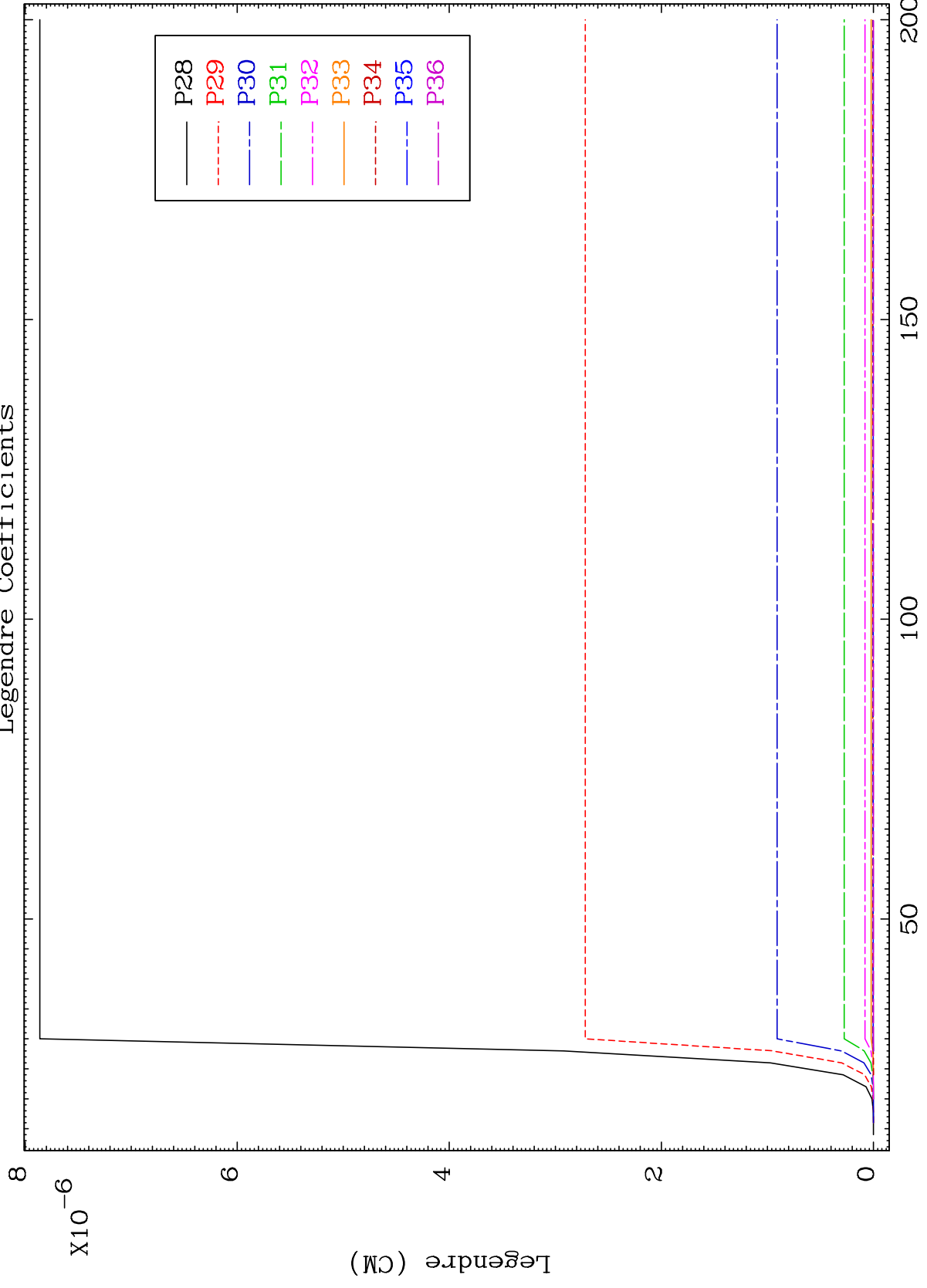
MAT 6413

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

64-Gd-148



MAT 6413 MT= 56 (n,n') Level Legendre Coefficients 64-Gd-148

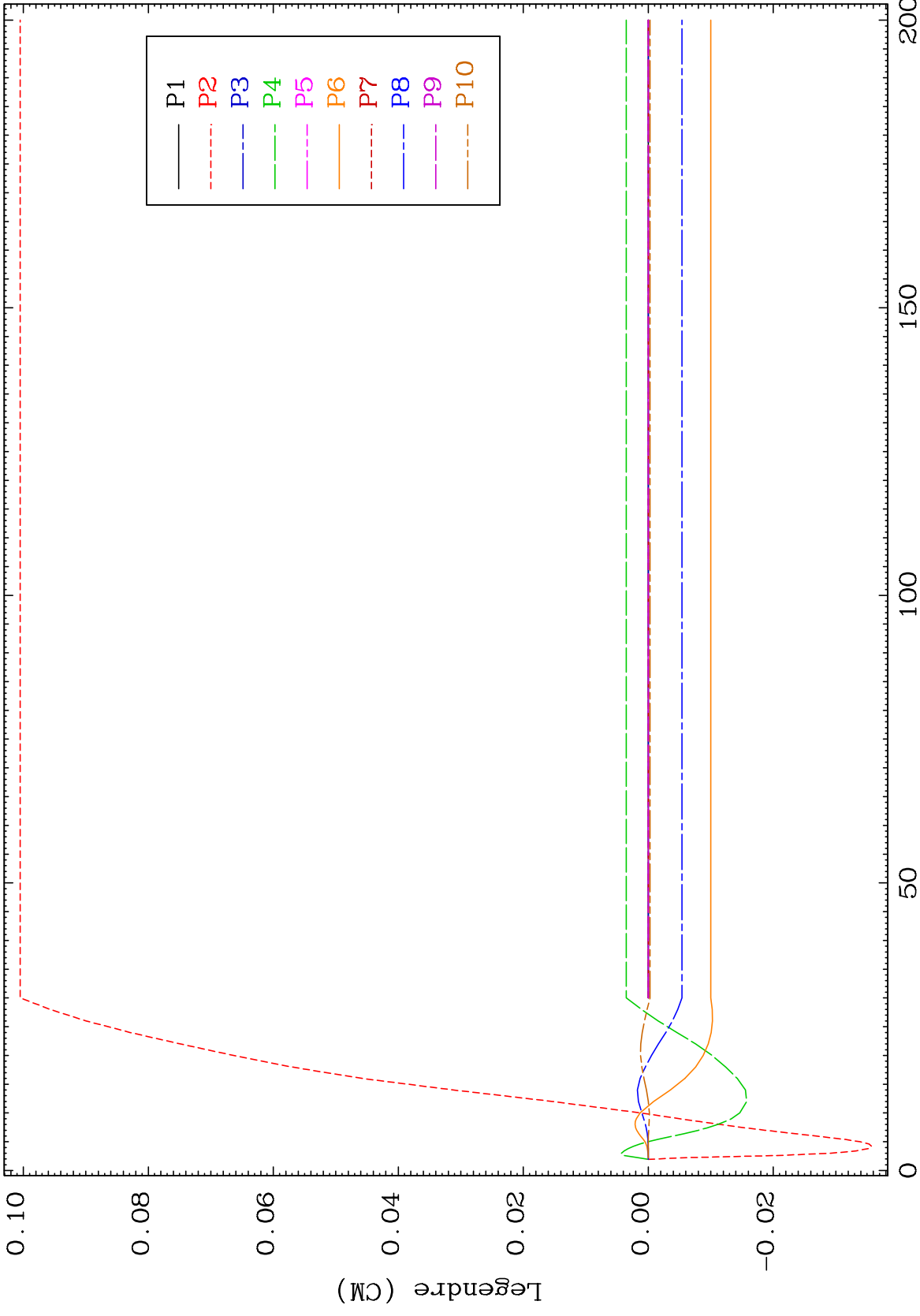


42 50 100 150 200 64-Gd-148

MAT 6413

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

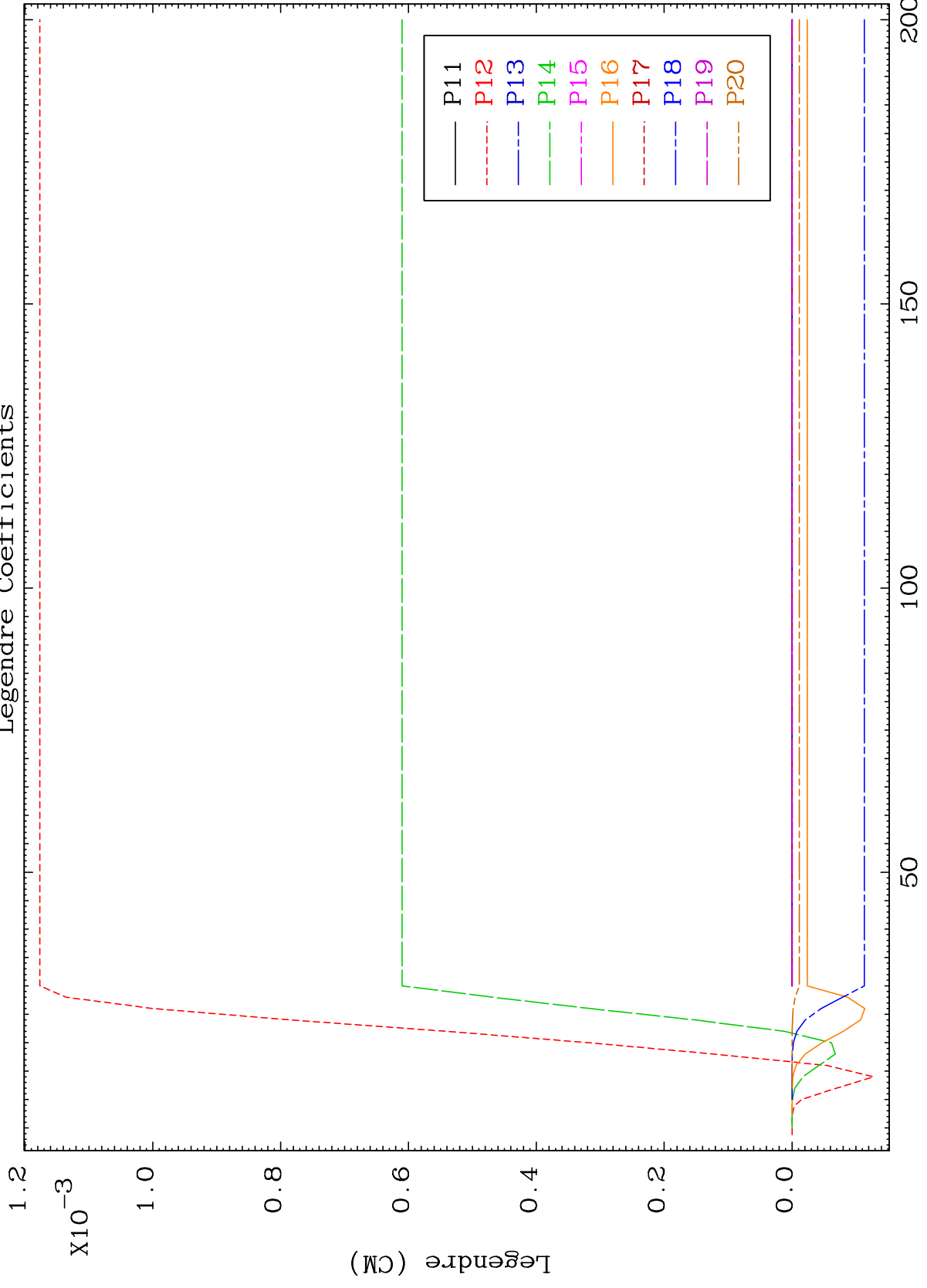
64-Gd-148



43

Incident Energy (MeV)

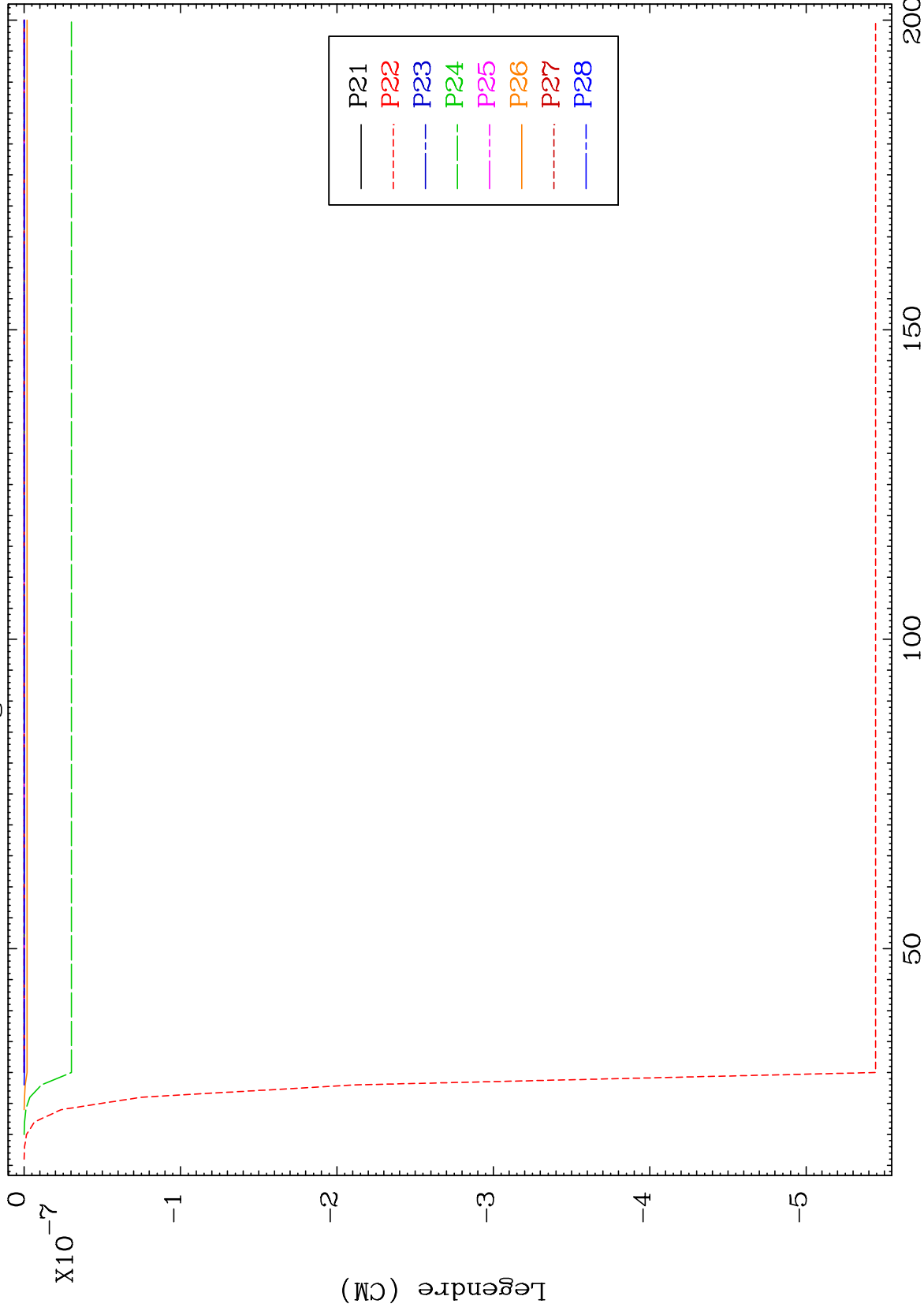
64-Gd-148



MAT 6413

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

64-Gd-148



64-Gd-148

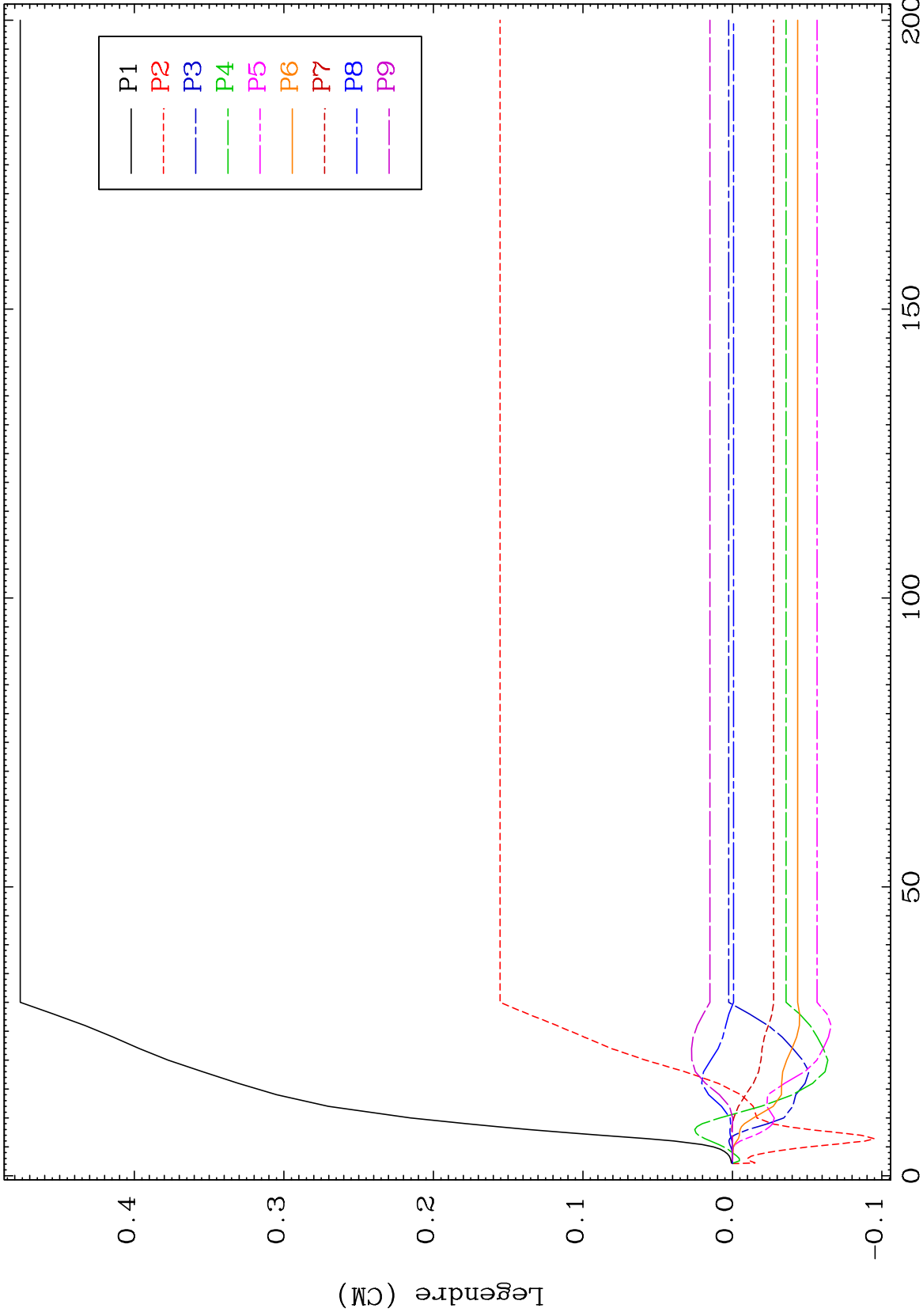
Incident Energy (MeV)

45

MAT 6413

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

64-Gd-148

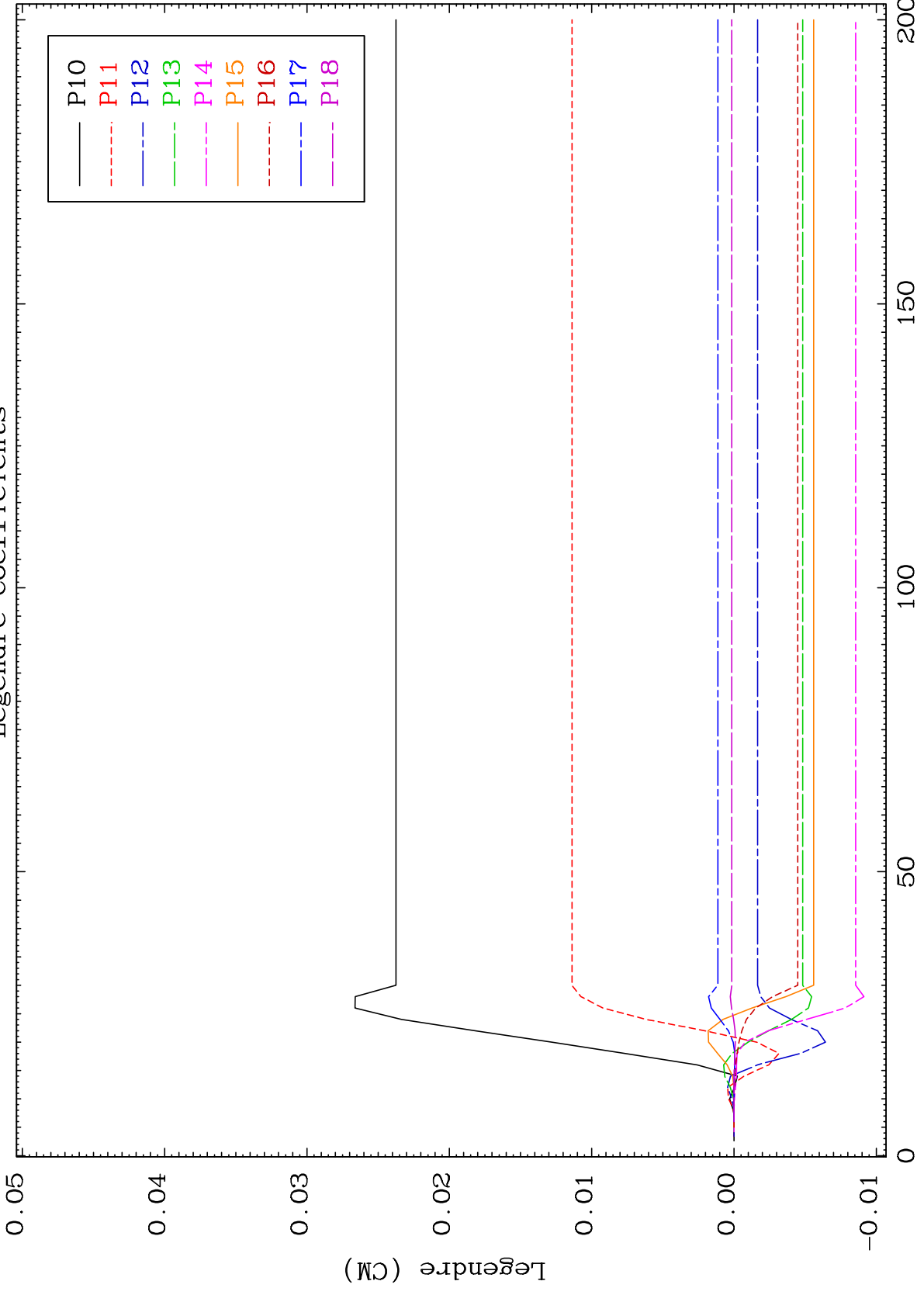


46

Incident Energy (MeV)

64-Gd-148

MAT 6413 MT= 58 (n,n') Level Legendre Coefficients 64-Gd-148



64-Gd-148

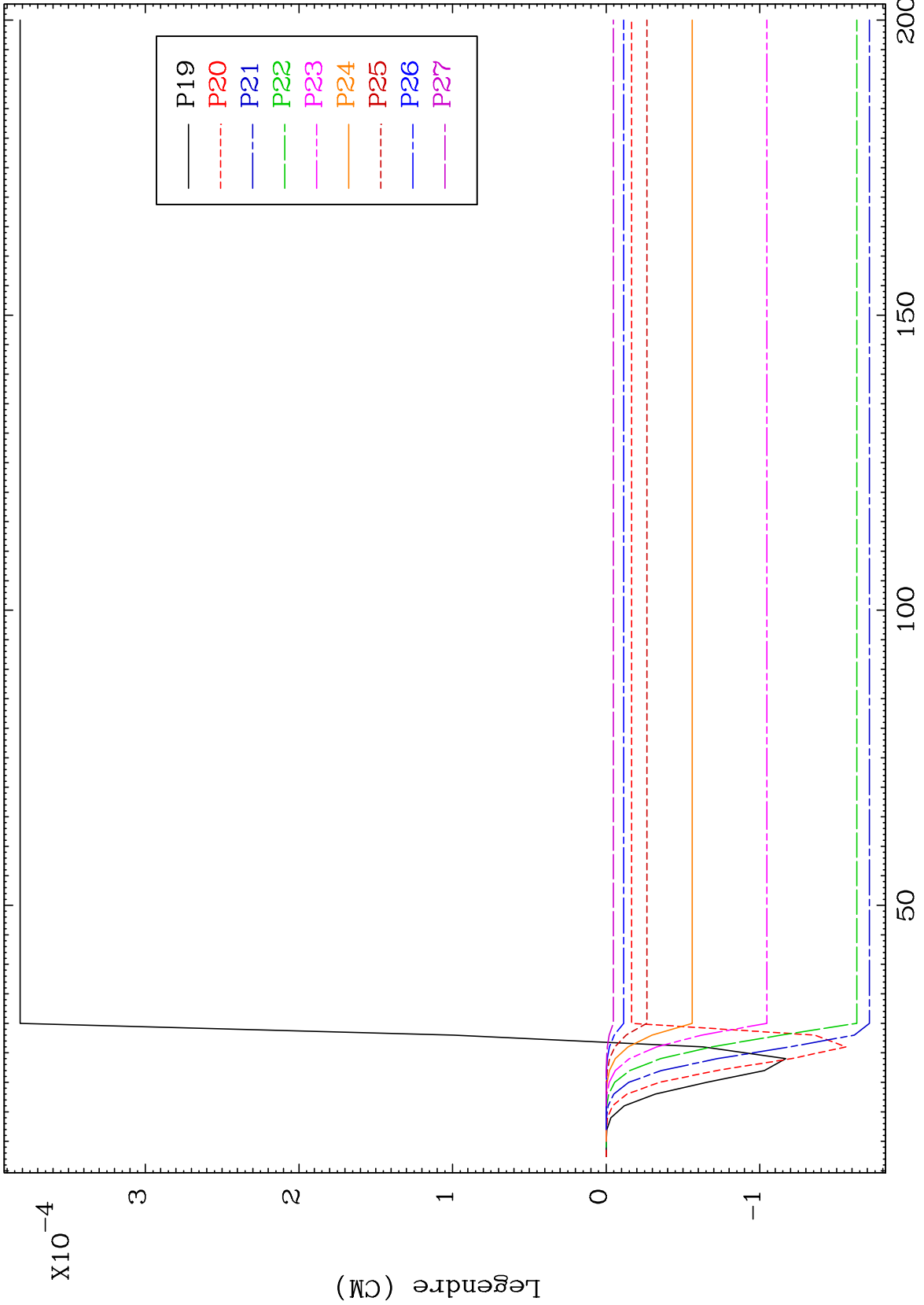
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MAT 6413

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

64-Gd-148



48

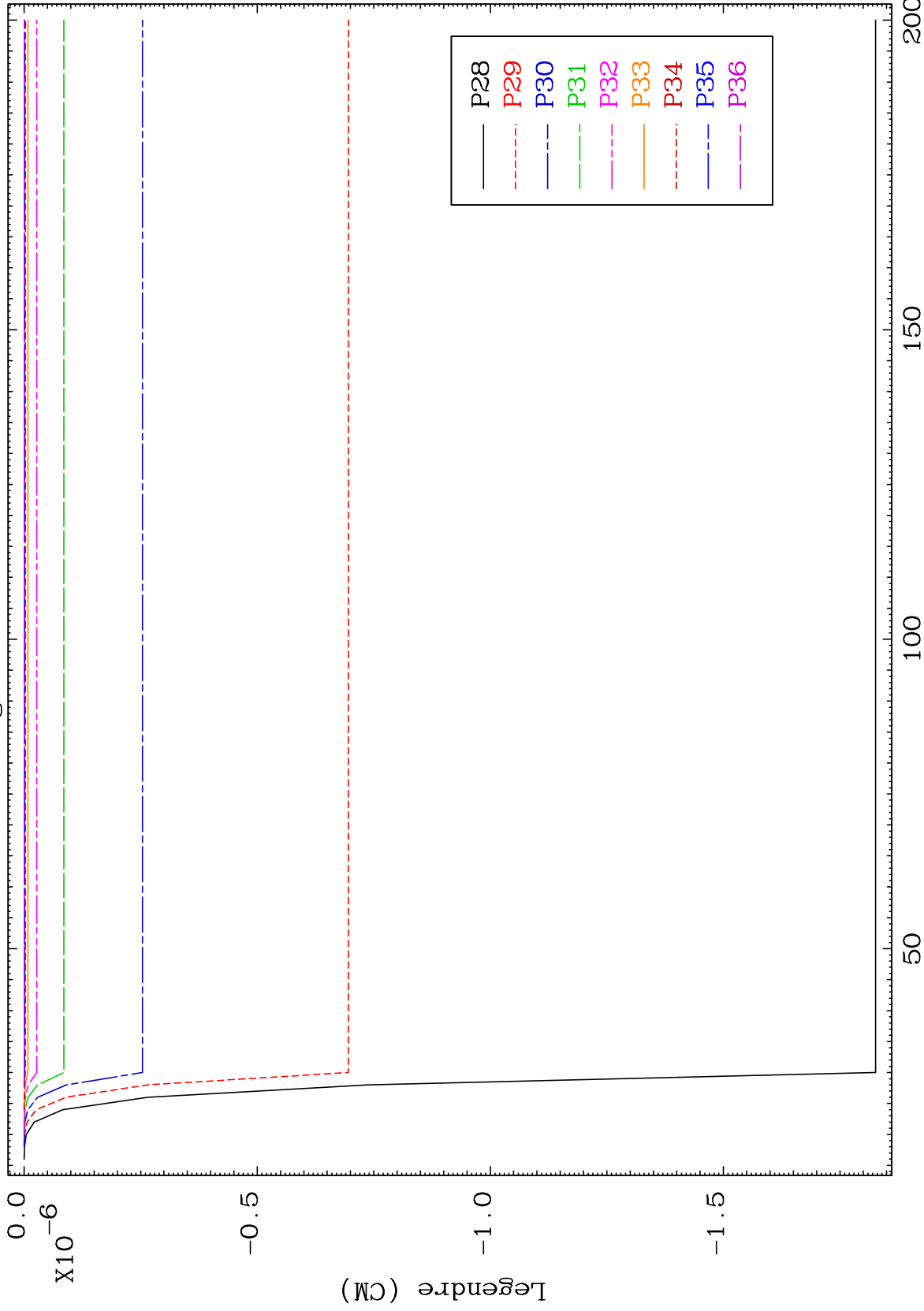
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148

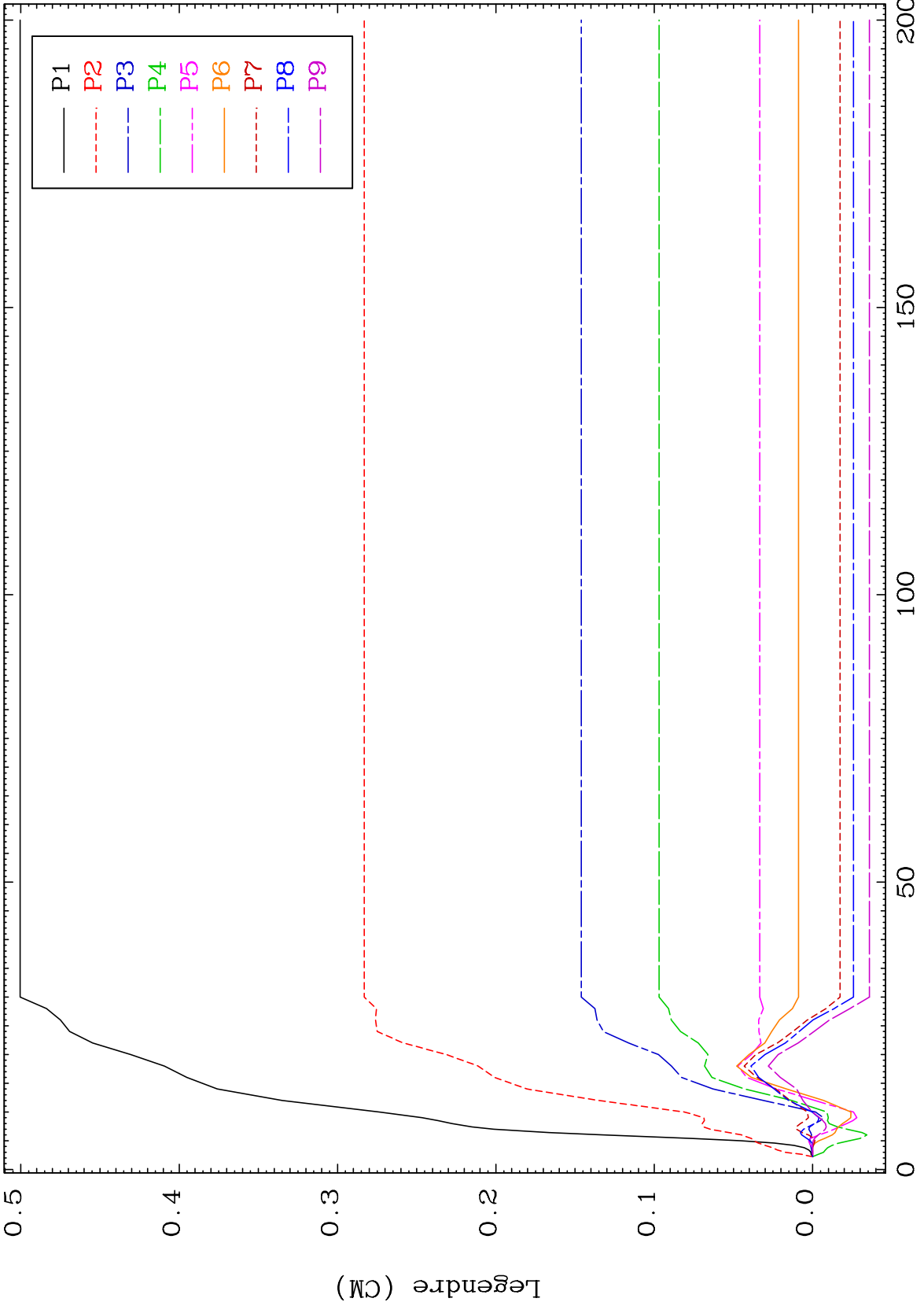


64-Gd-148

Incident Energy (MeV)

49

MAT 6413 MT= 59 (n,n') Level Legendre Coefficients 64-Gd-148

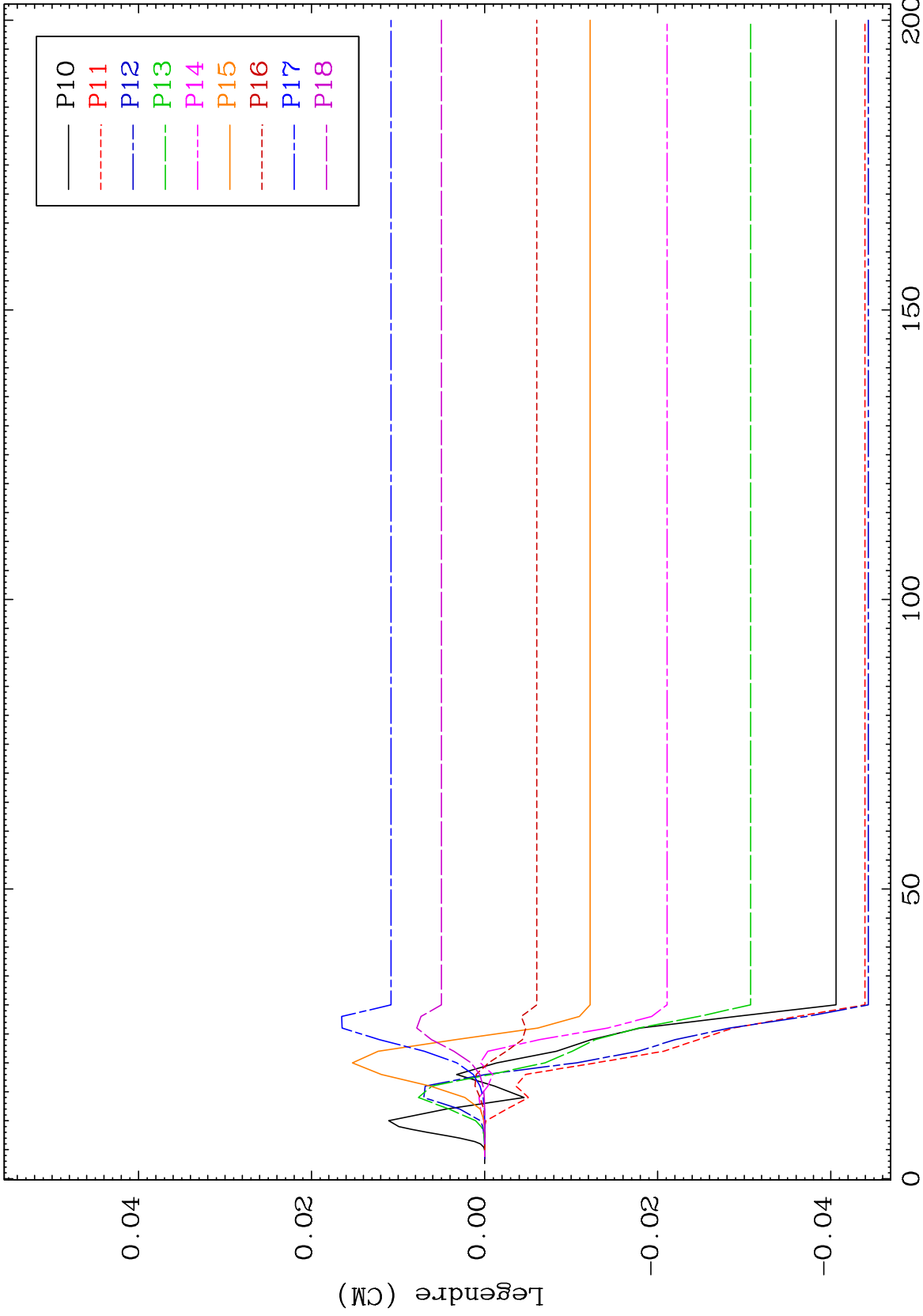


64-Gd-148 Incident Energy (MeV)

MAT 6413

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

64-Gd-148



51

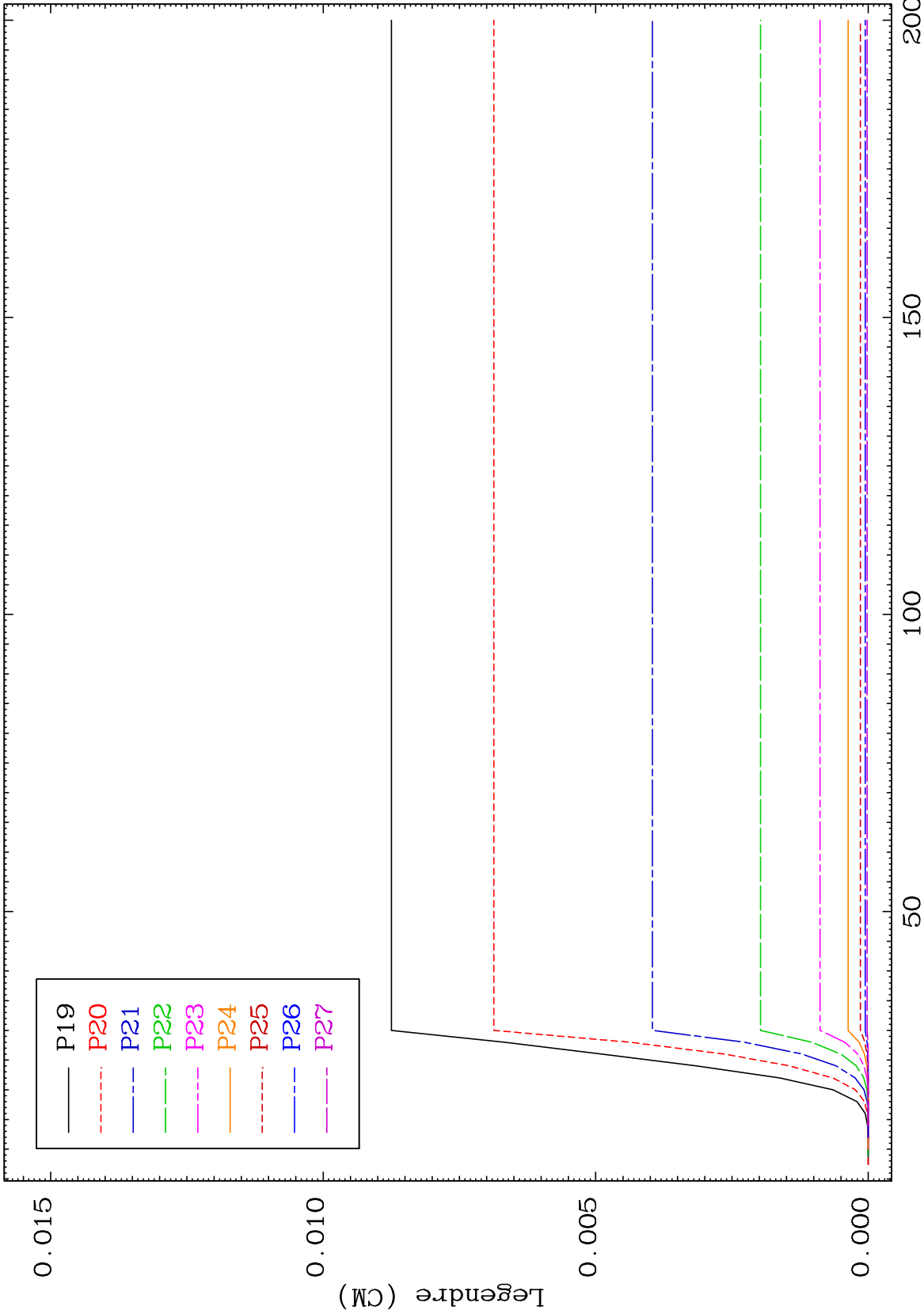
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



52

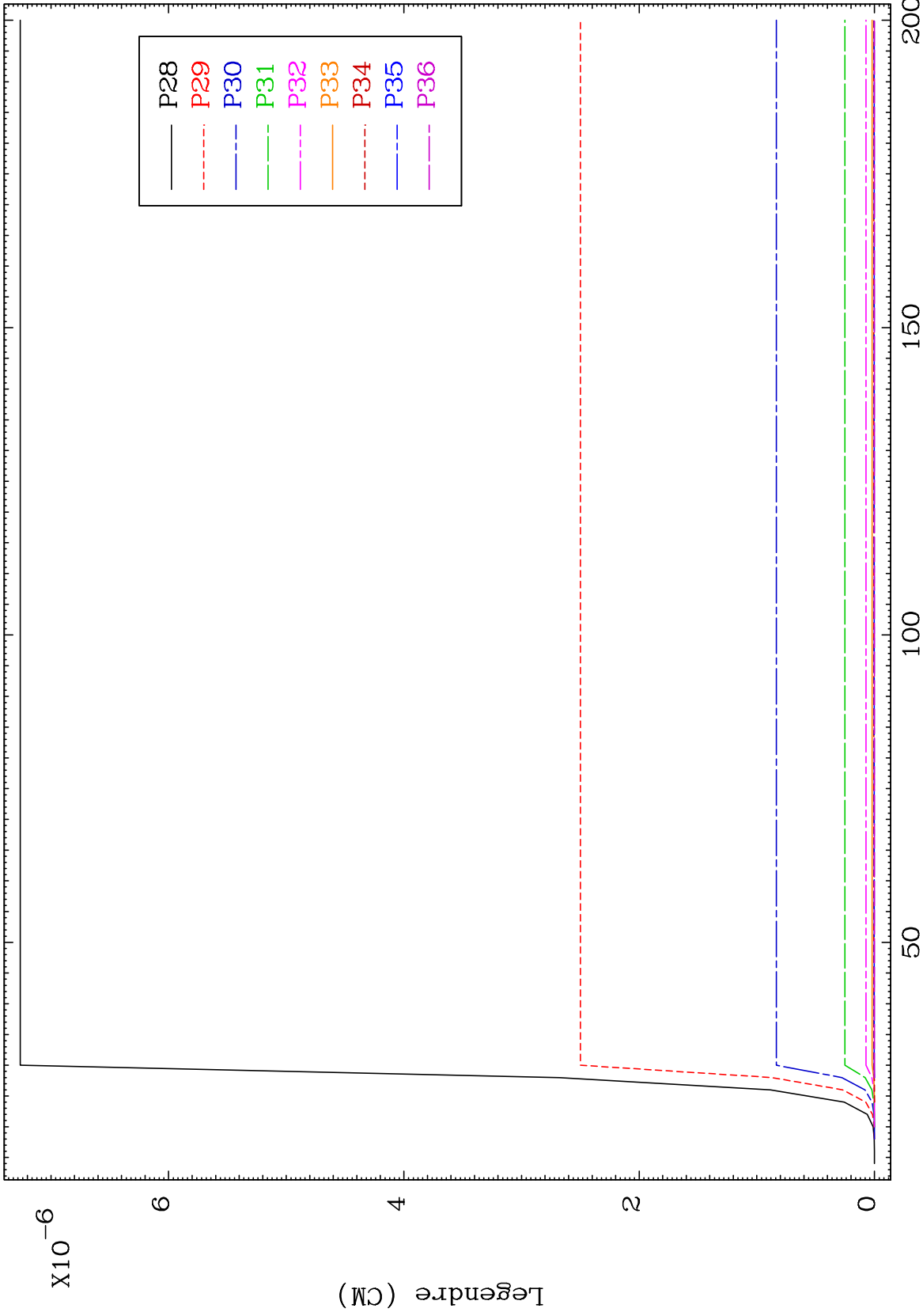
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



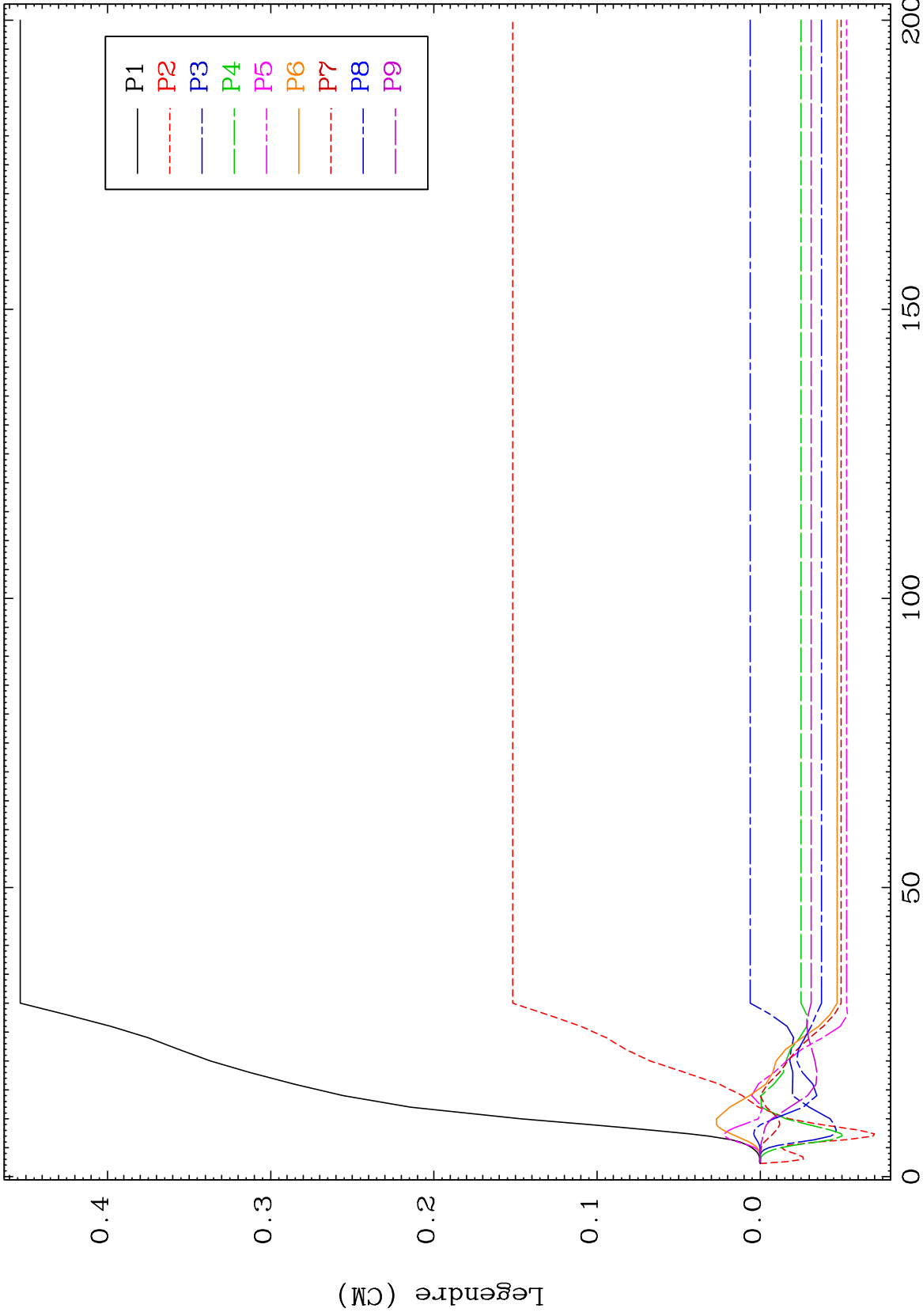
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64-Gd-148

MAT 6413

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

64-Gd-148



54

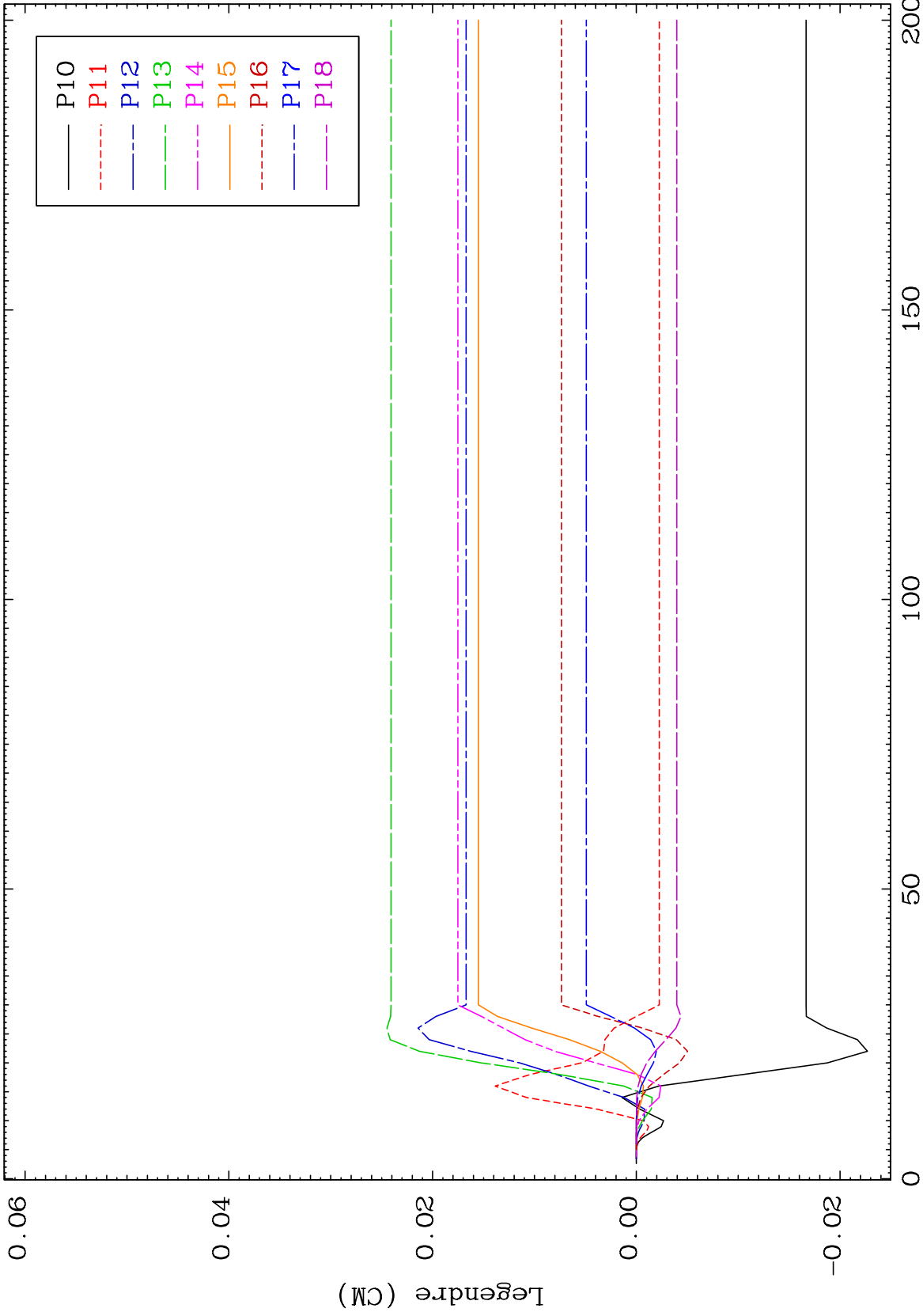
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



55

Incident Energy (MeV)

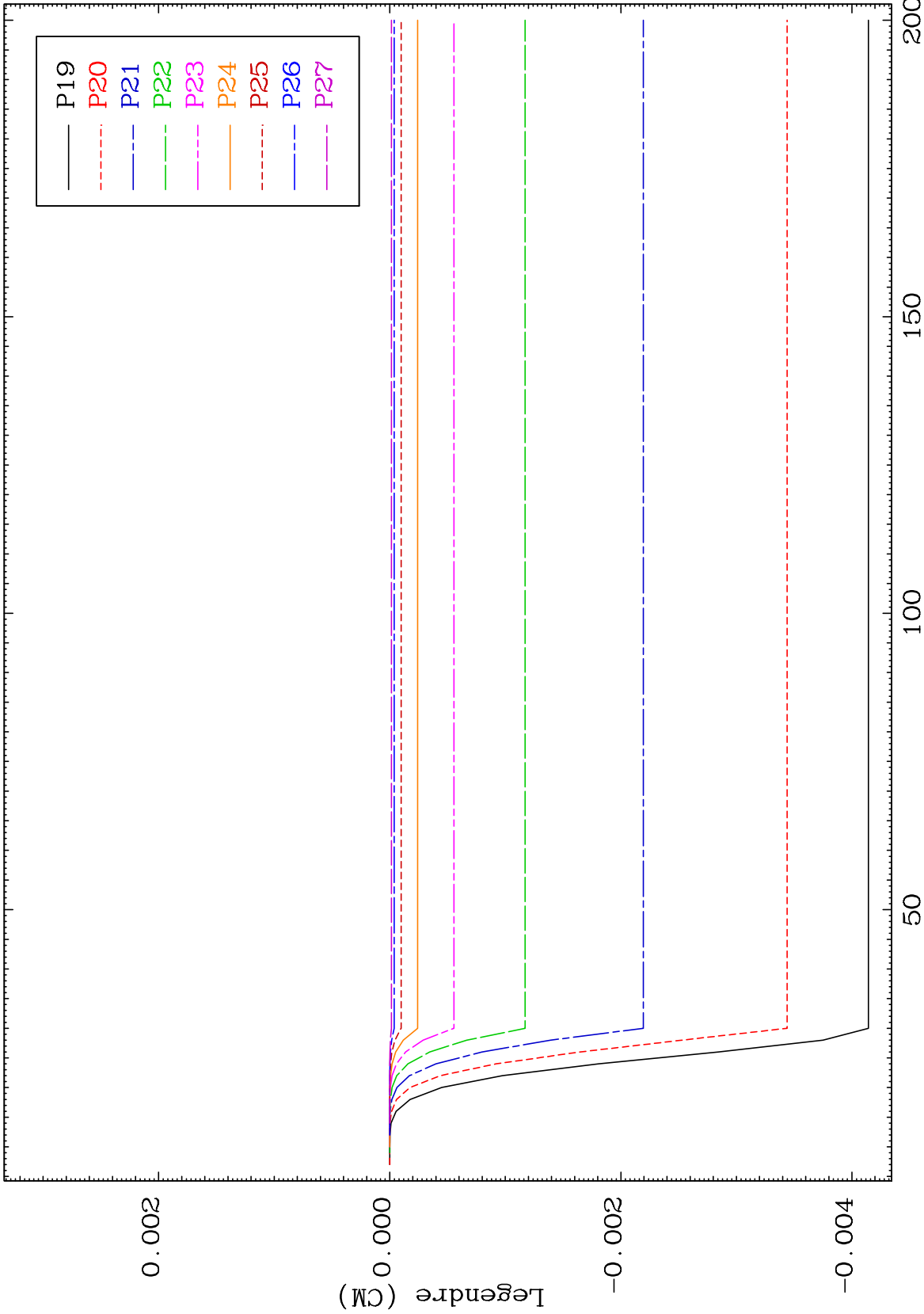
64-Gd-148



MAT 6413

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

64-Gd-148



56

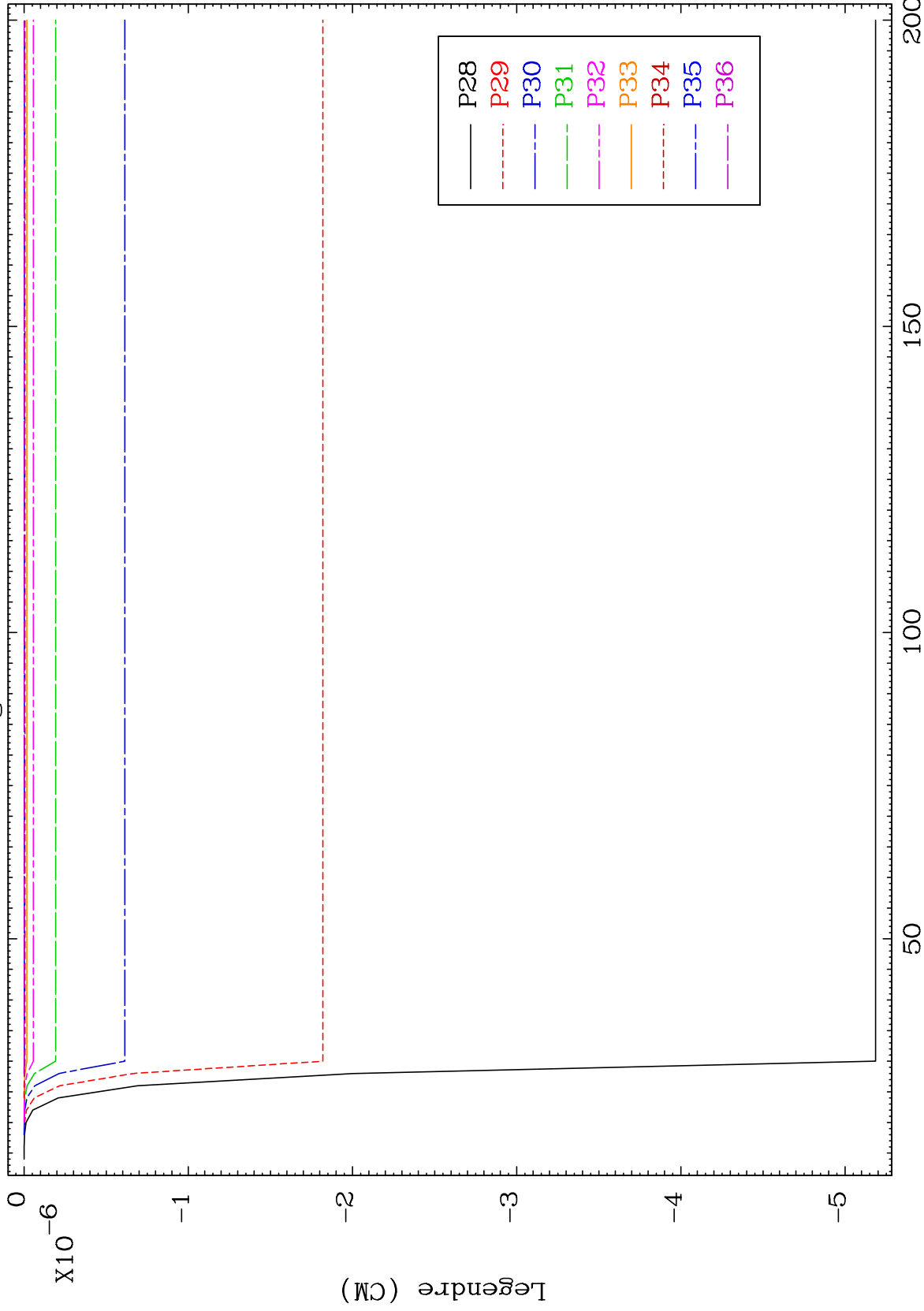
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148

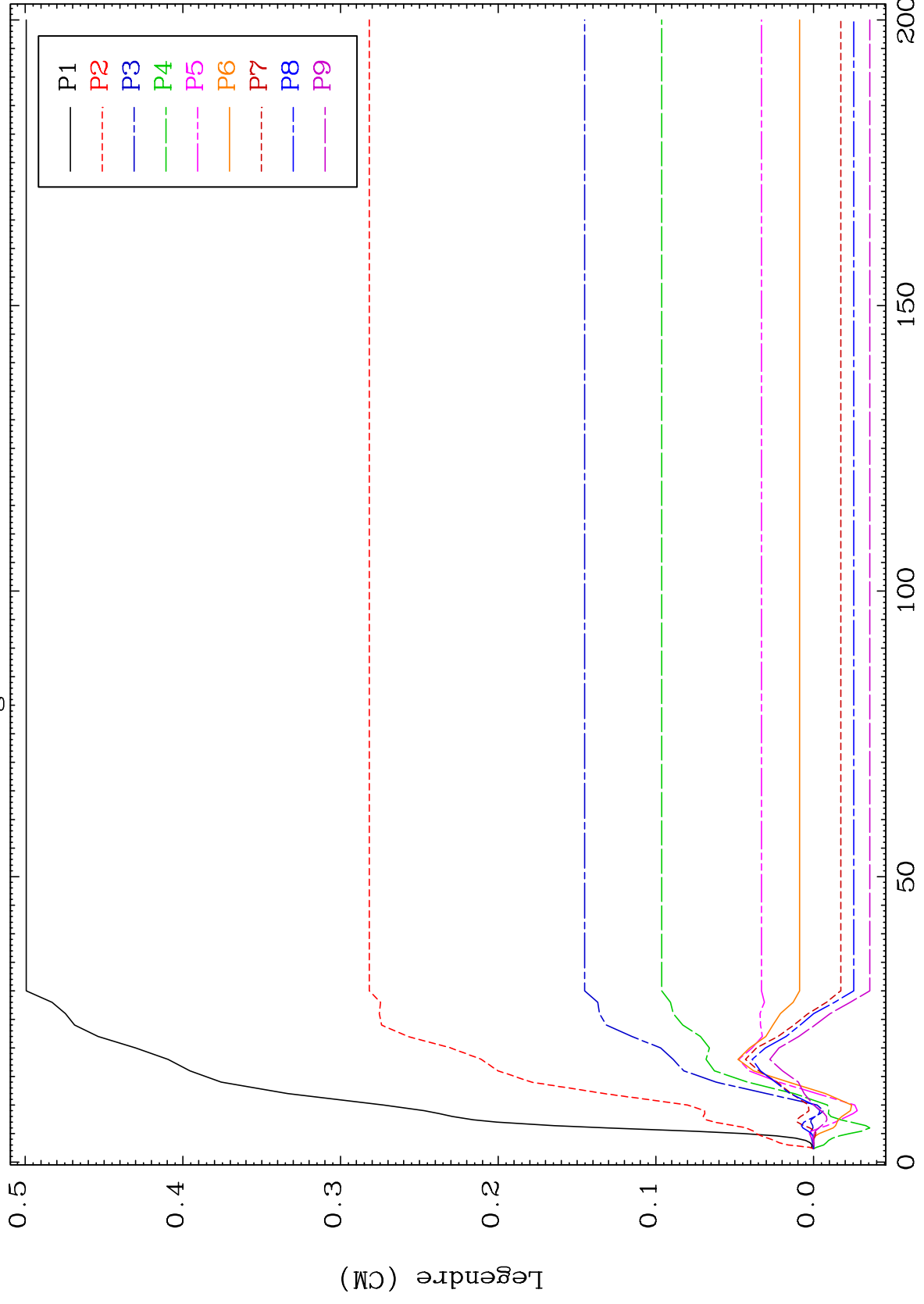


64-Gd-148

Incident Energy (MeV)

57

MAT 6413 MT= 61 (n,n') Level Legendre Coefficients 64-Gd-148

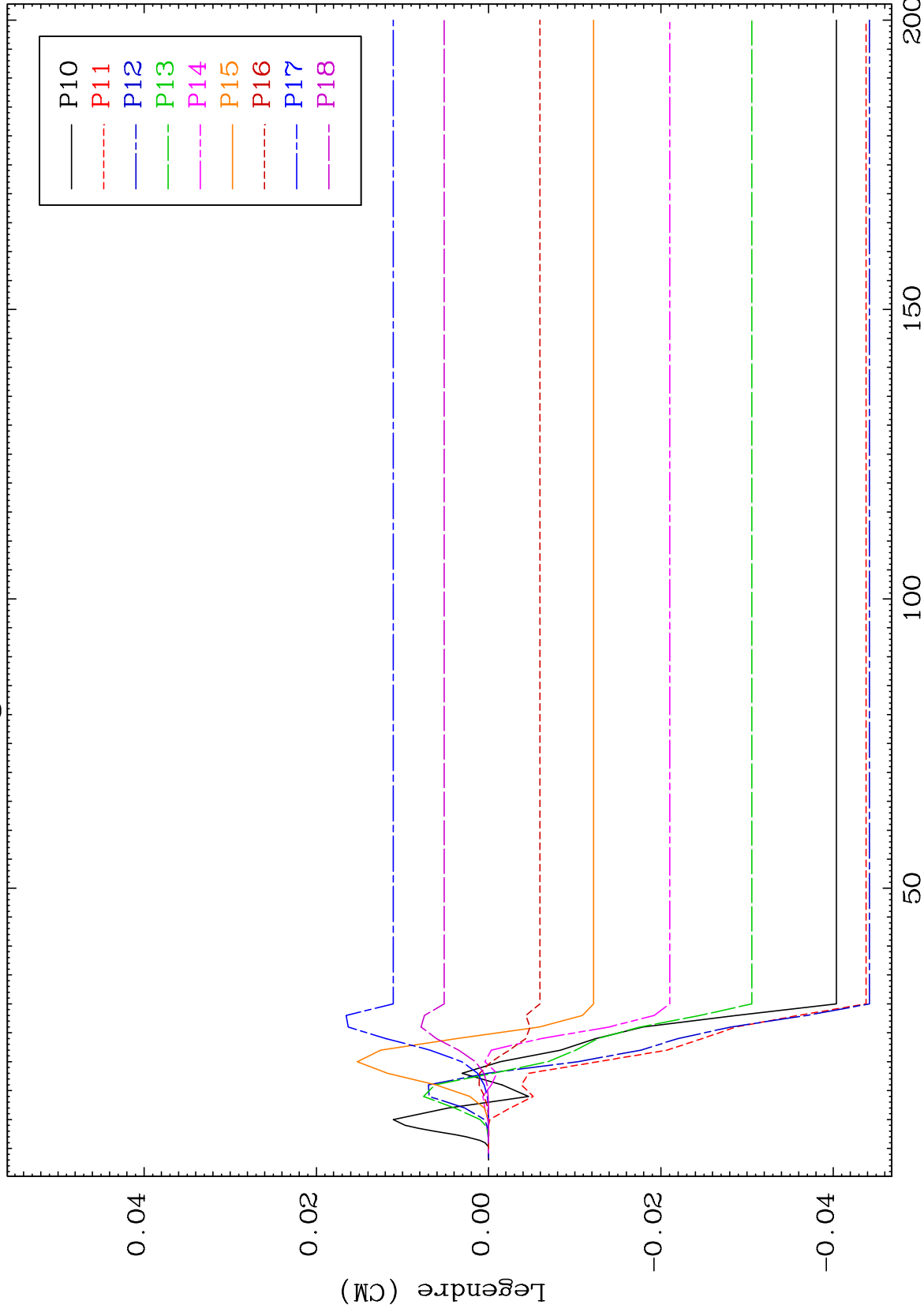


58 64-Gd-148

MAT 6413

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

64-Gd-148



59

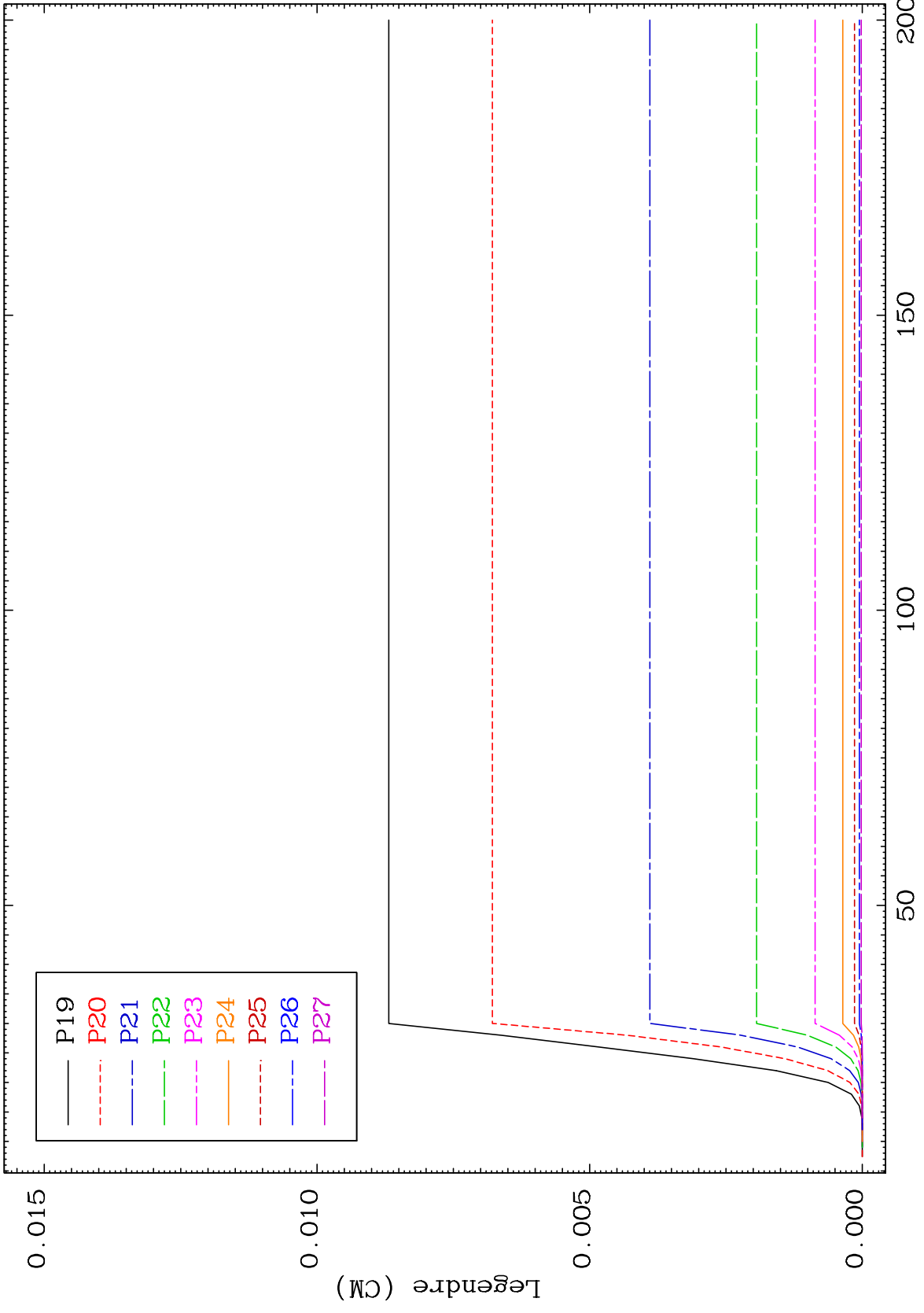
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



60

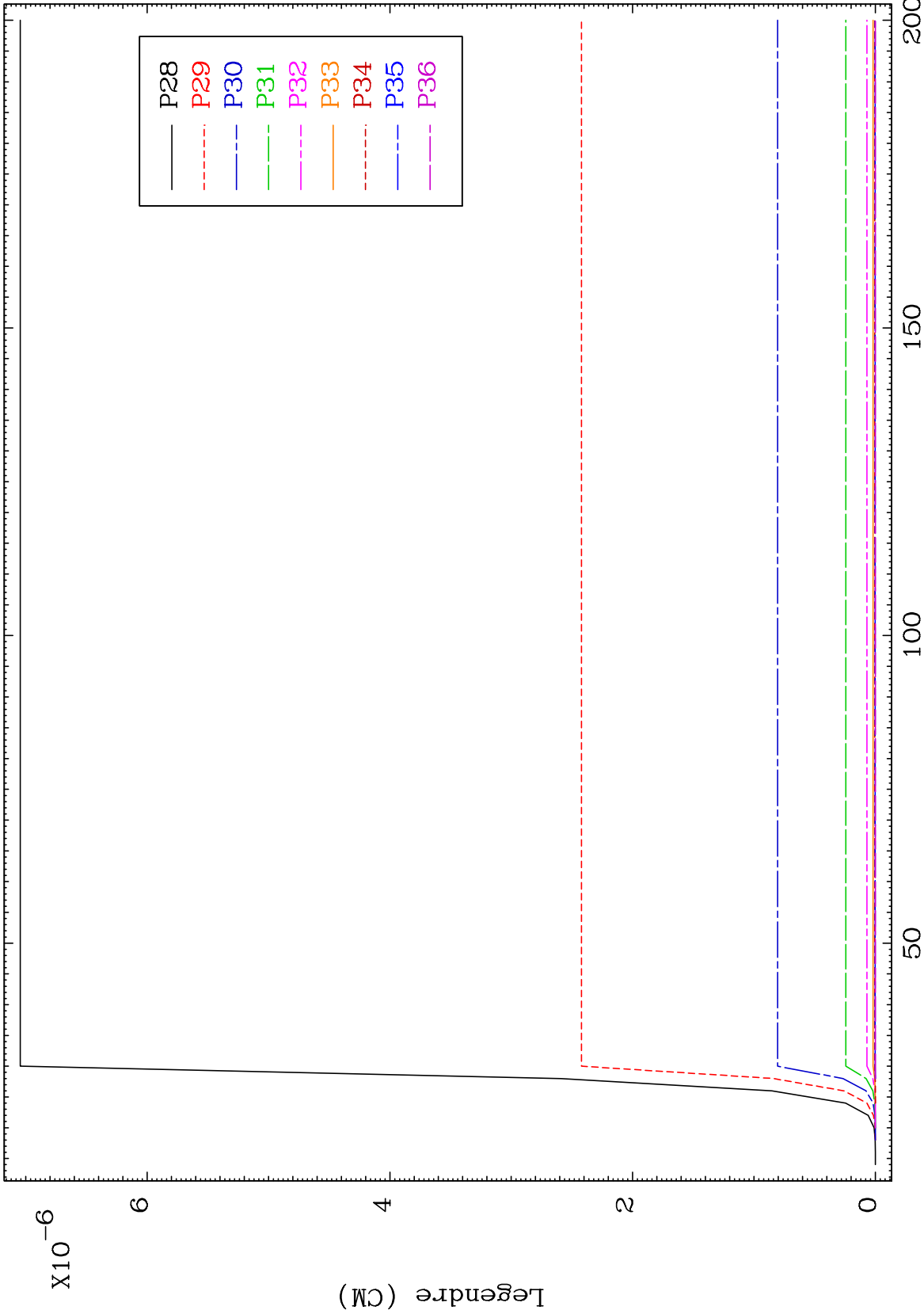
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



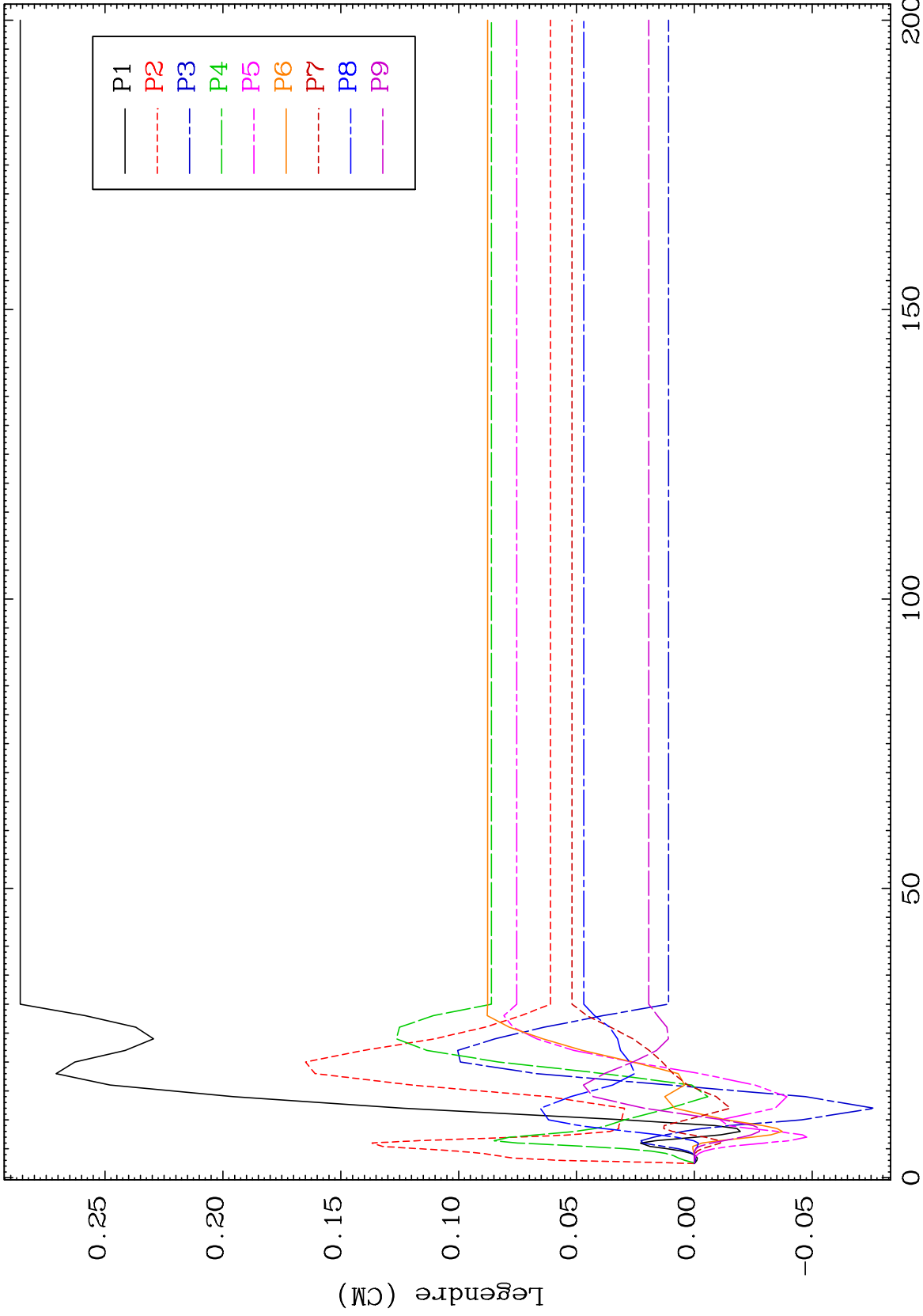
61

64-Gd-148

MAT 6413

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

64-Gd-148



62

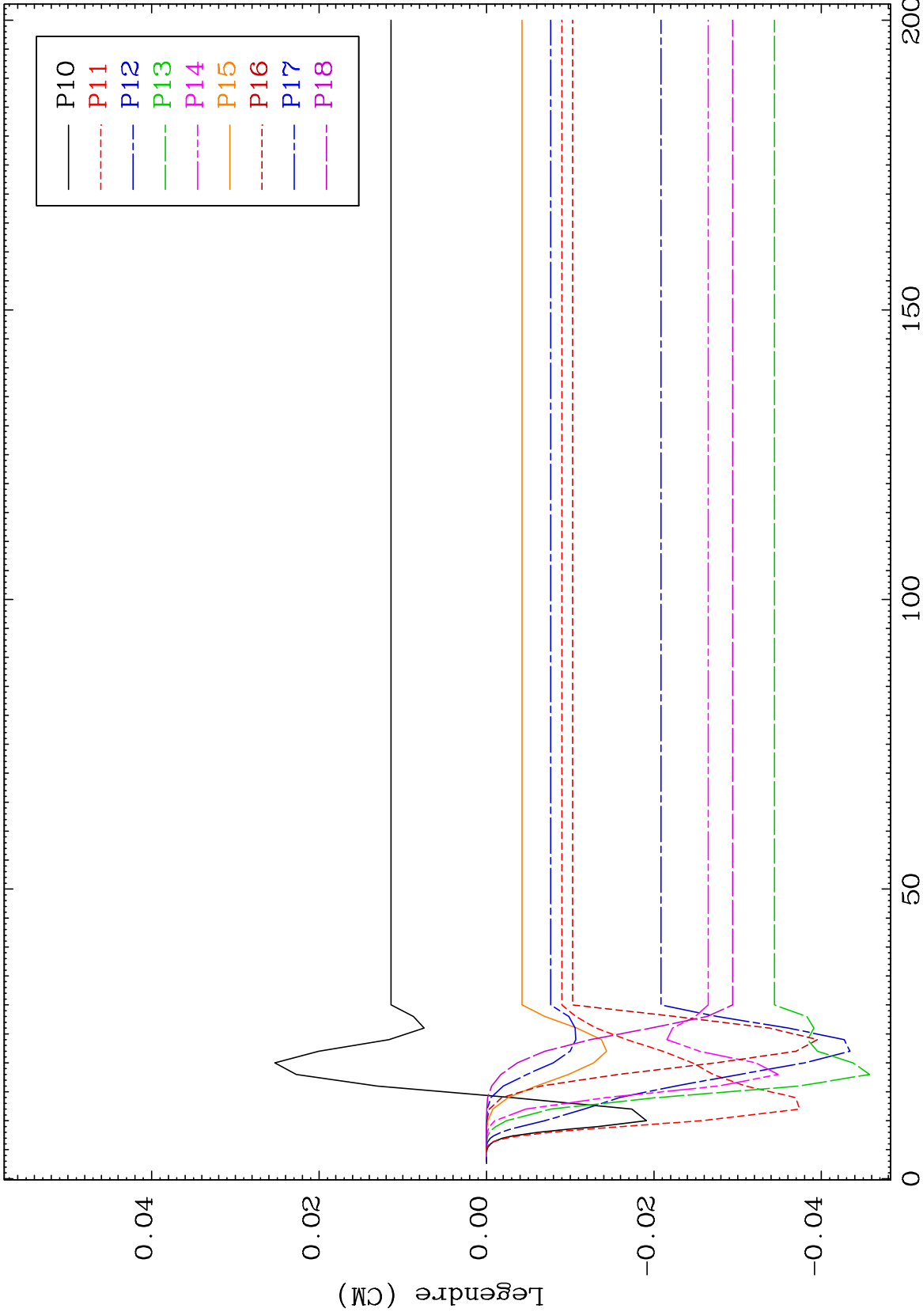
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



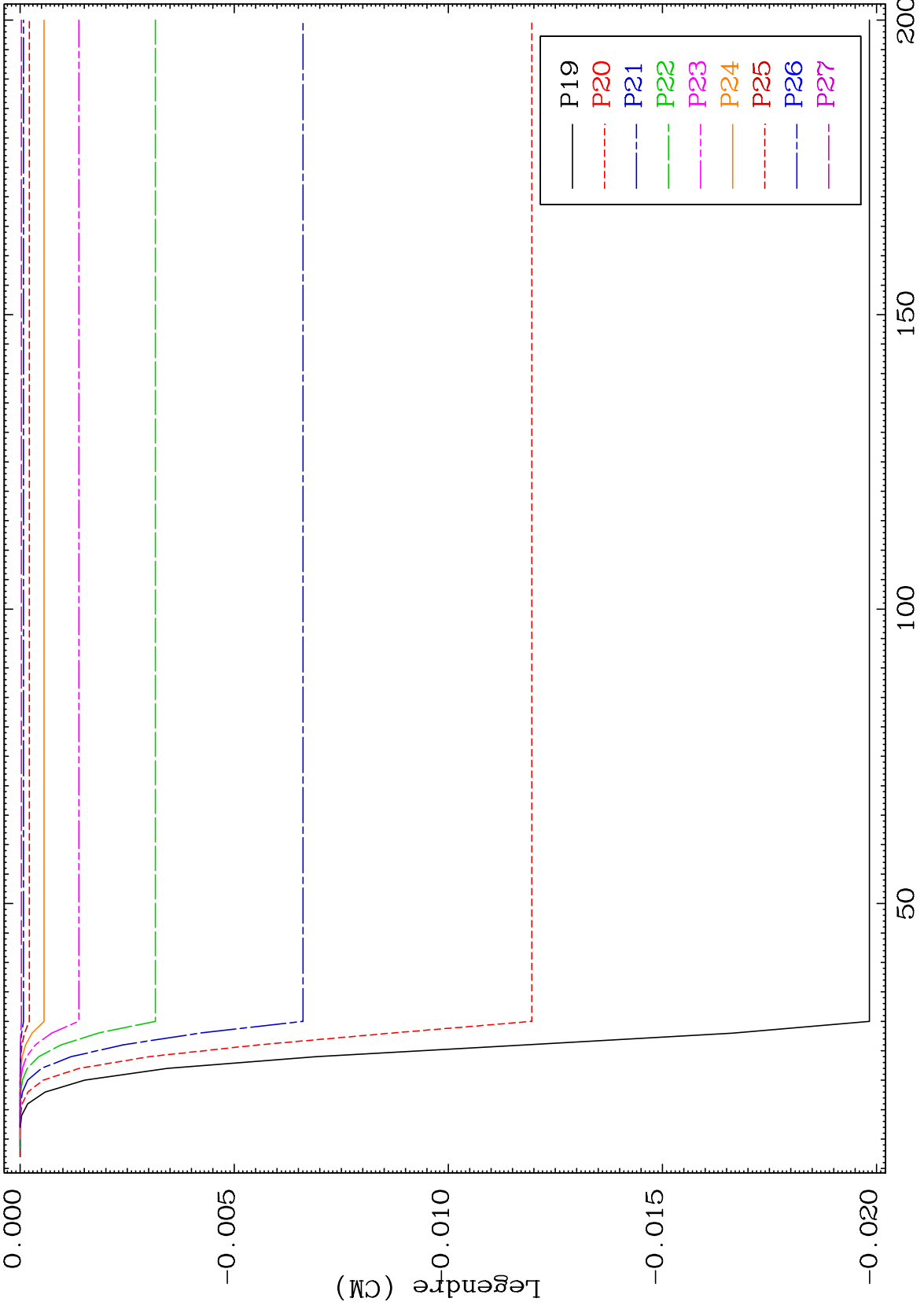
63

Incident Energy (MeV)

64-Gd-148



MAT 6413 MT= 62 (n,n') Level Legendre Coefficients 64-Gd-148

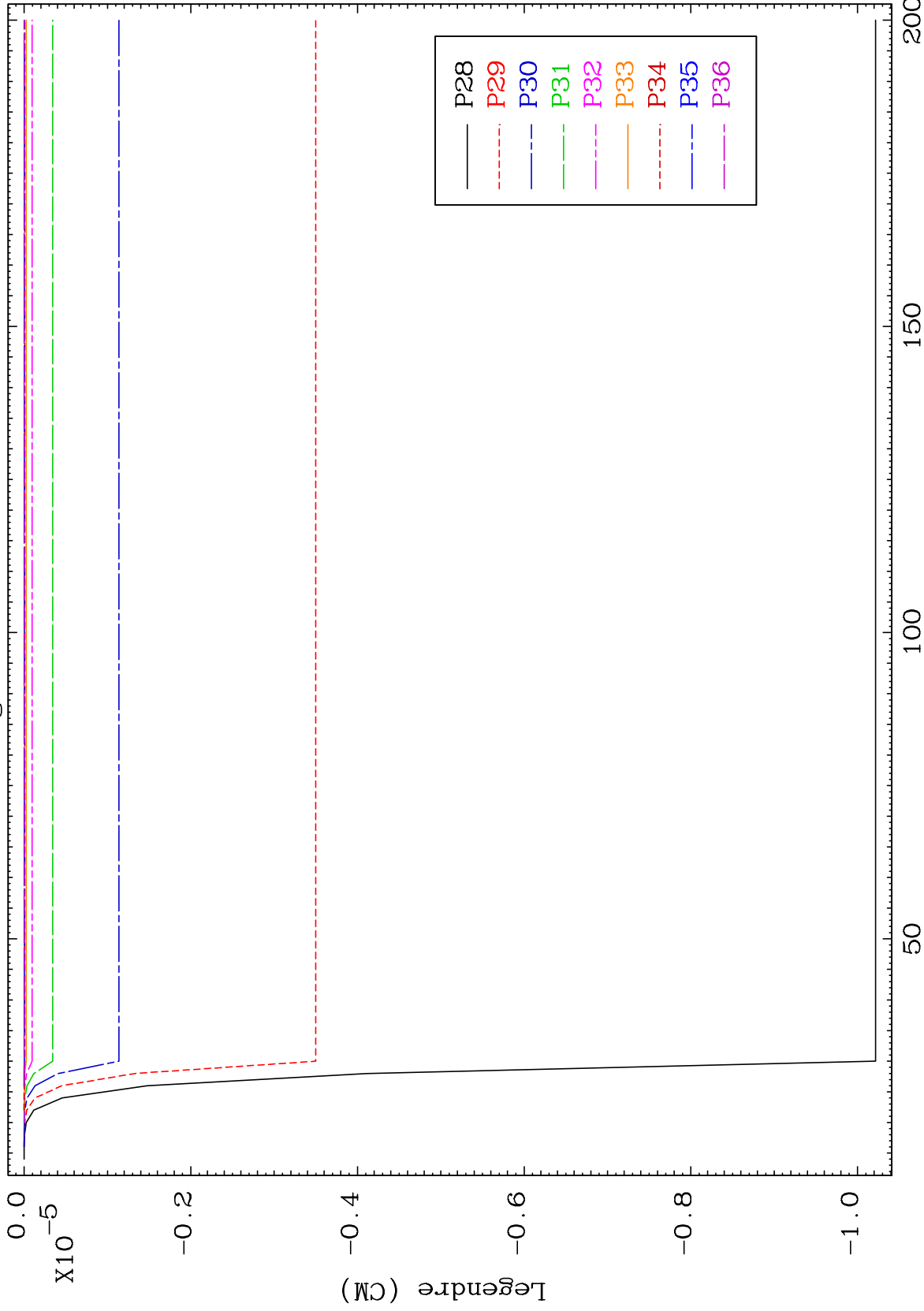


64 64-Gd-148

MAT 6413

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

64-Gd-148



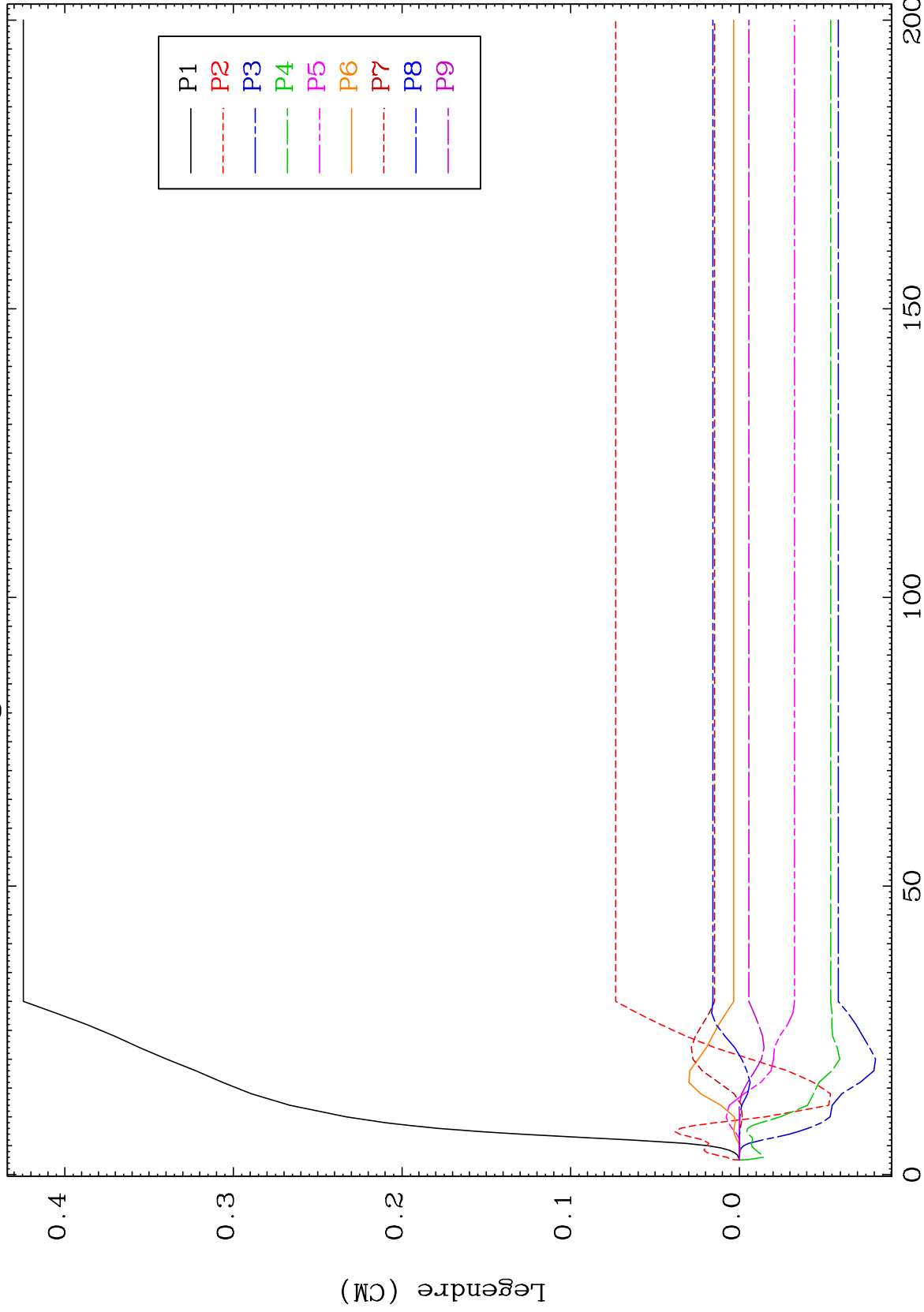
65

64-Gd-148

MAT 6413

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

64-Gd-148



66

Incident Energy (MeV)

64-Gd-148

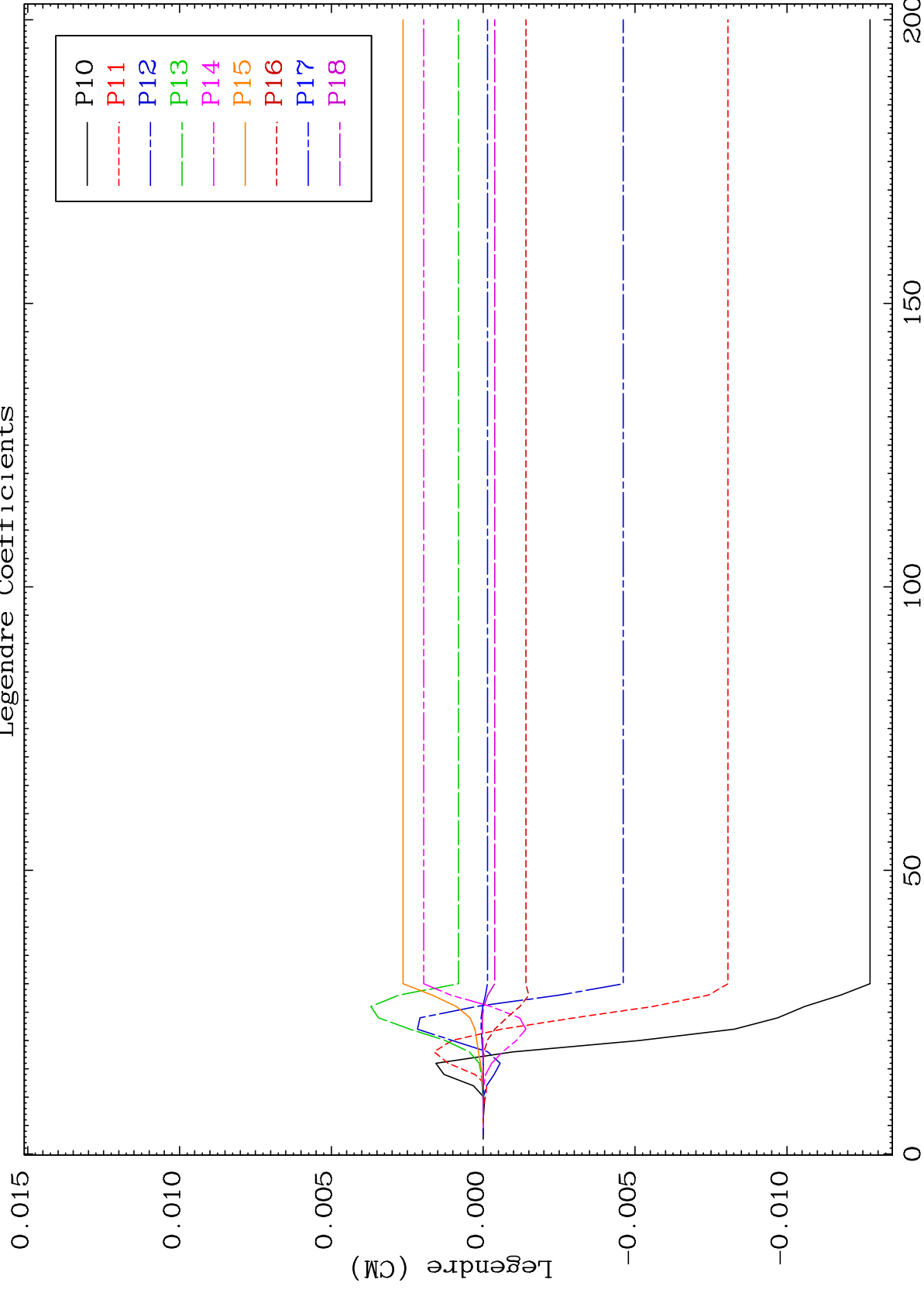
MAT 6413 MT= 63 (n,n') Level Legendre Coefficients

64-Gd-148

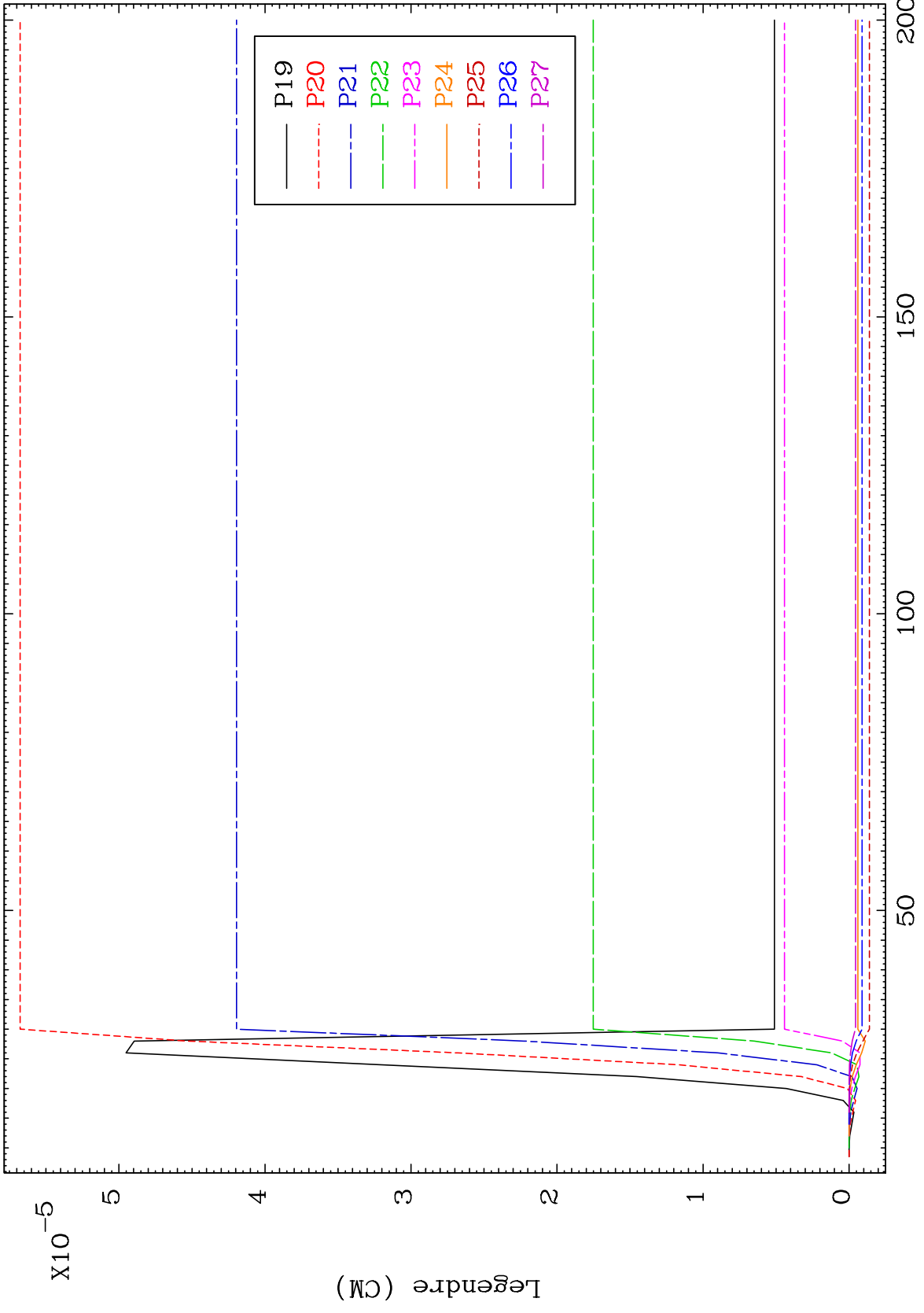
64-Gd-148

Incident Energy (MeV)

67



MAT 6413 MT= 63 (n,n') Level Legendre Coefficients 64-Gd-148

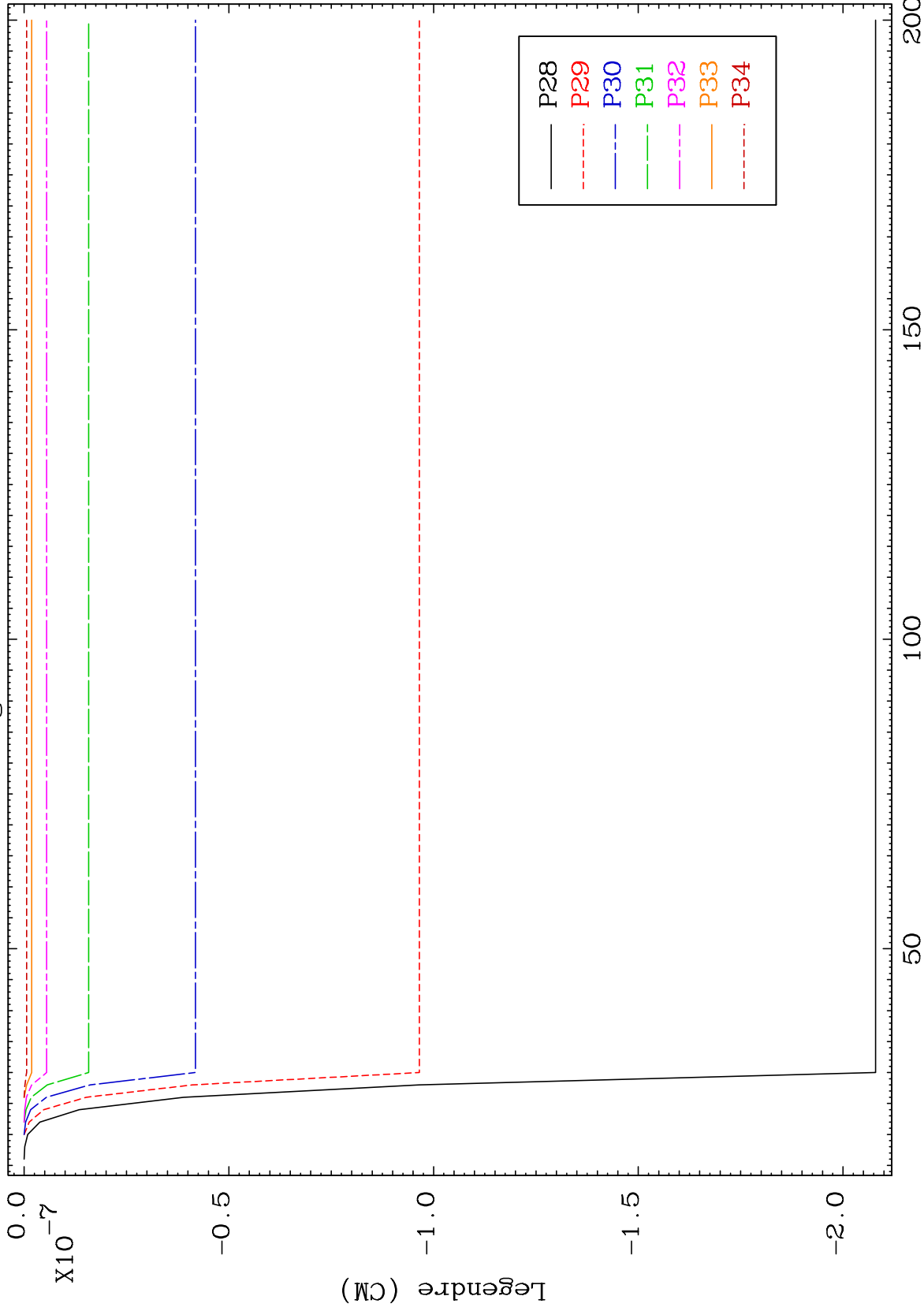


68 64-Gd-148

MAT 6413

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

64-Gd-148



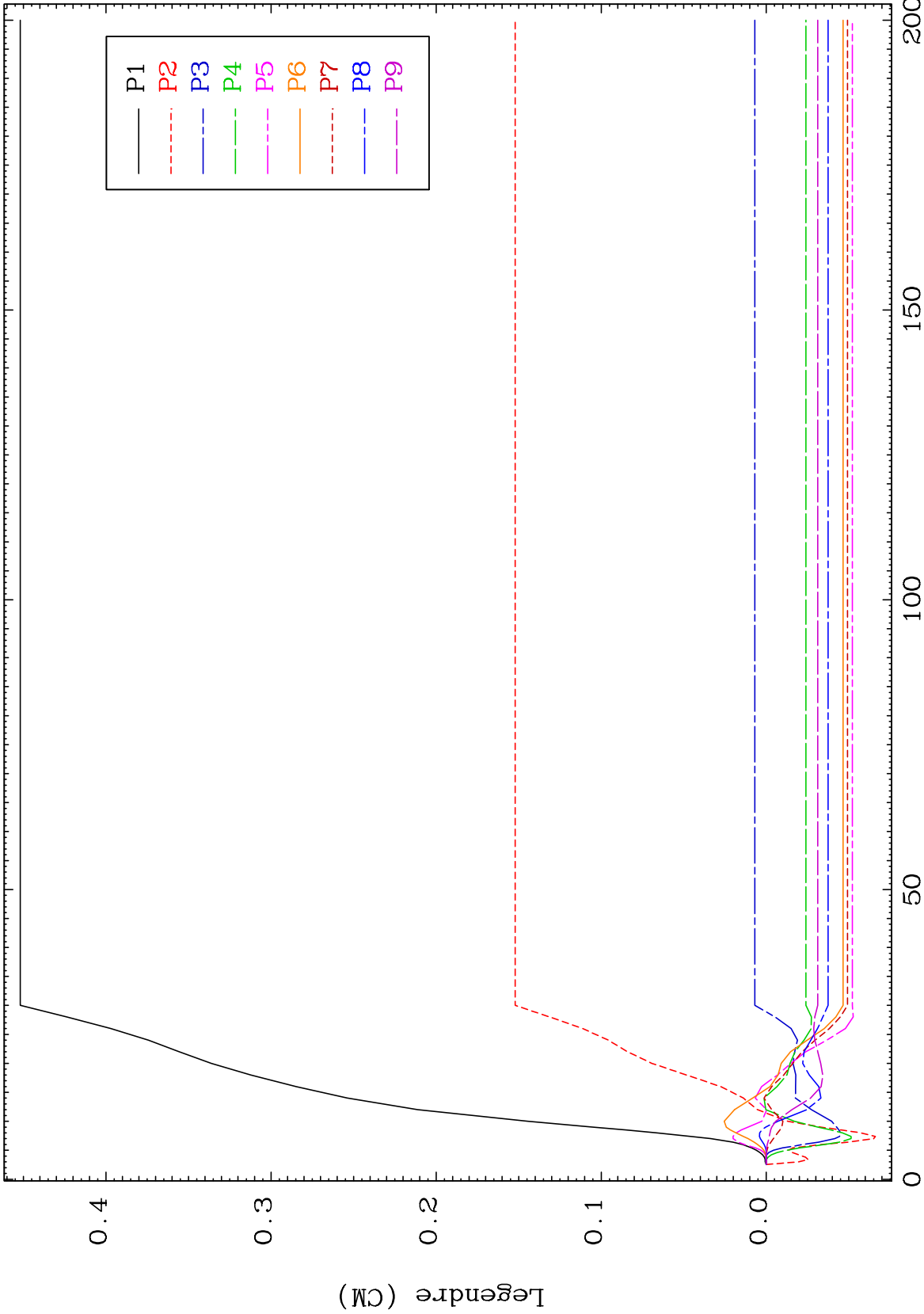
69

64-Gd-148

MAT 6413

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

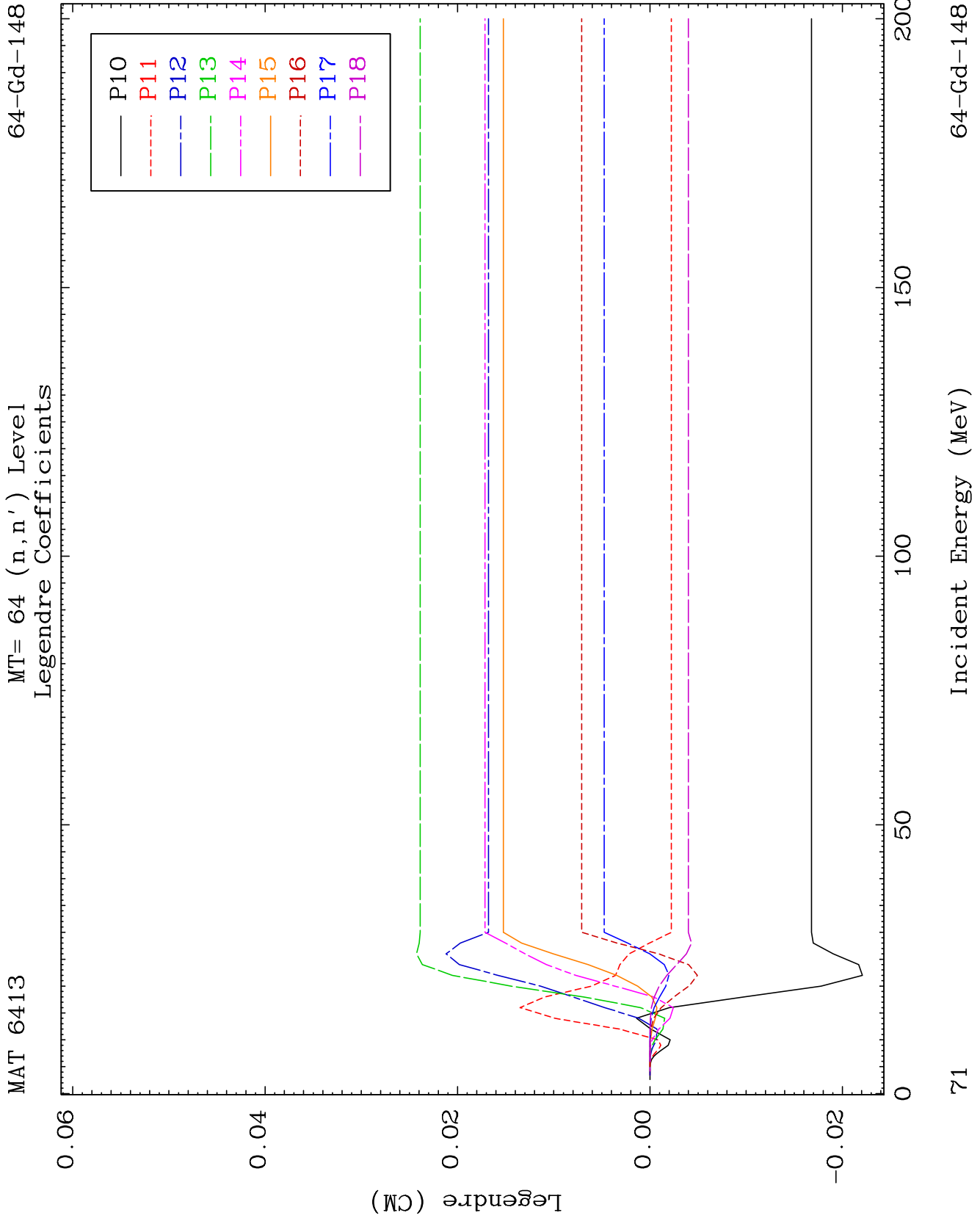
64-Gd-148



70

Incident Energy (MeV)

64-Gd-148

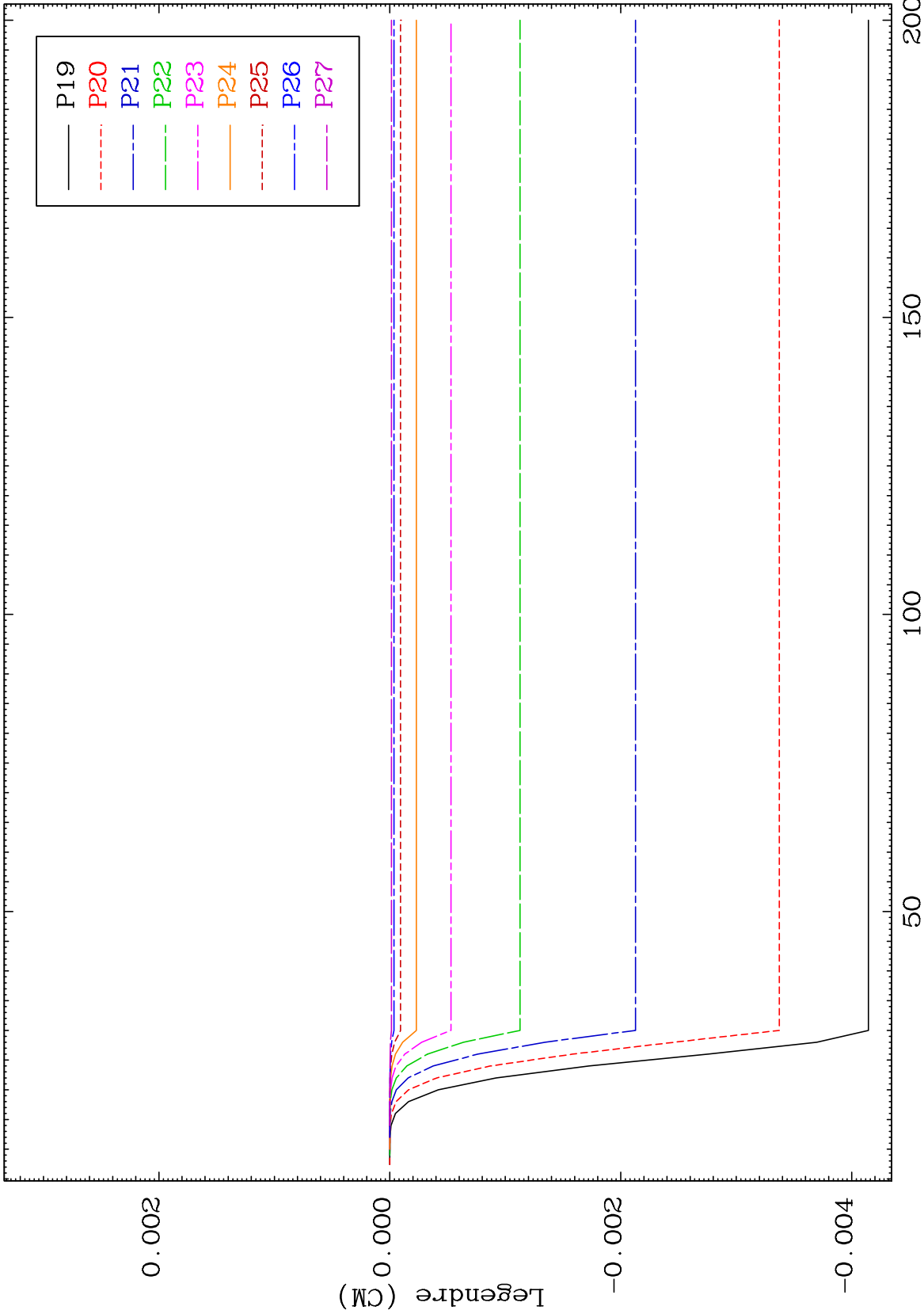




MAT 6413

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

64-Gd-148



72

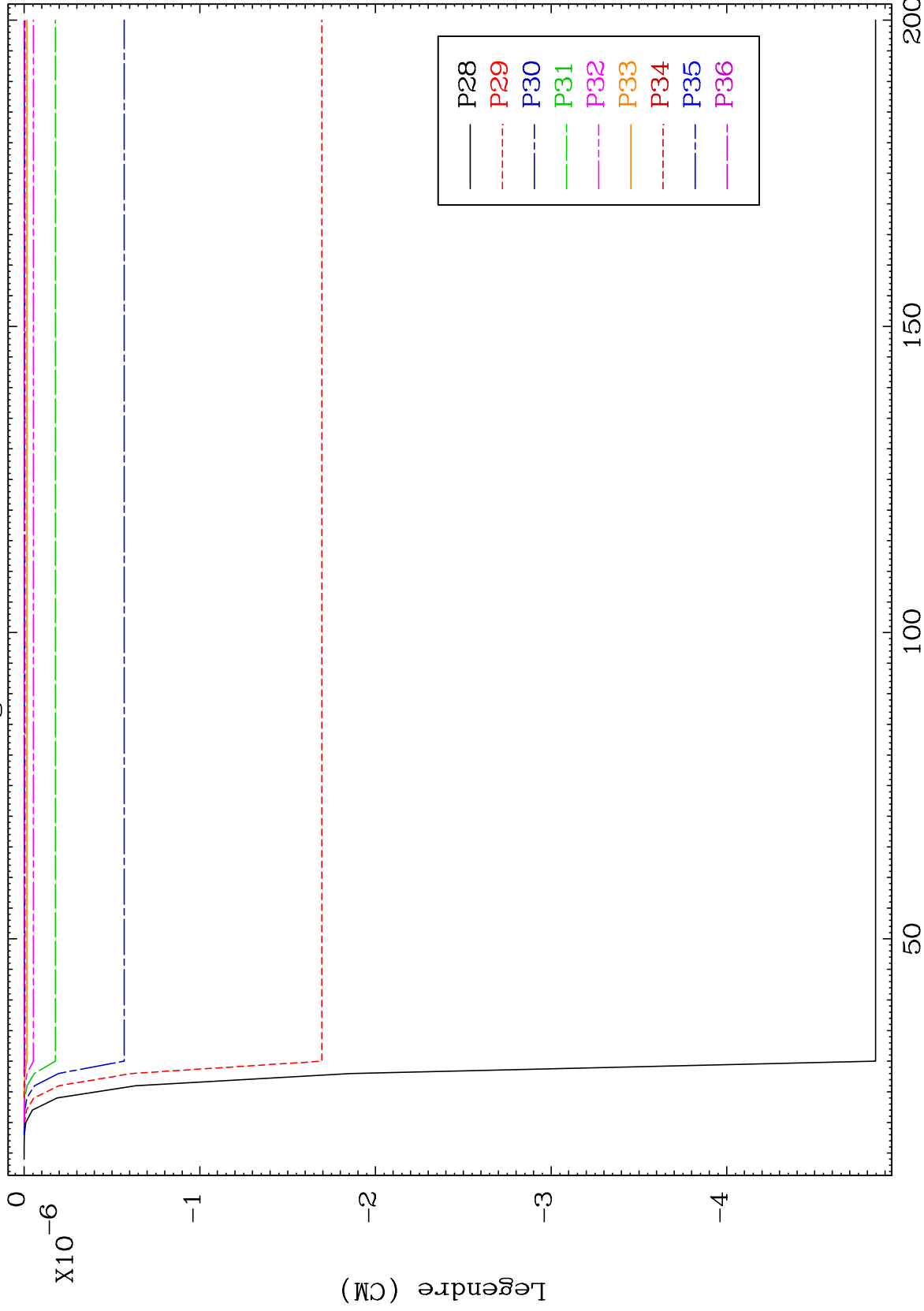
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



64-Gd-148

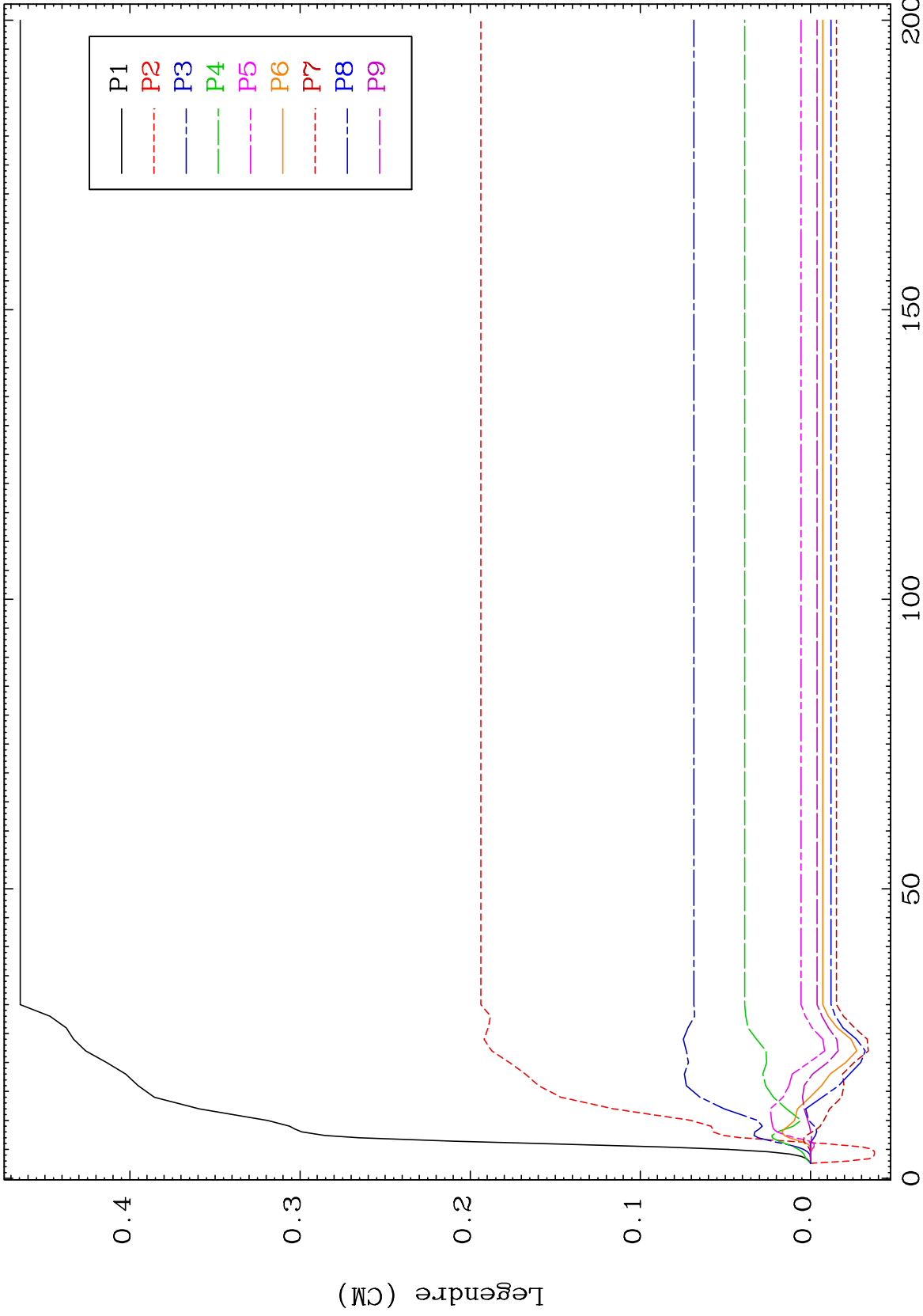
Incident Energy (MeV)

73

MAT 6413

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

64-Gd-148

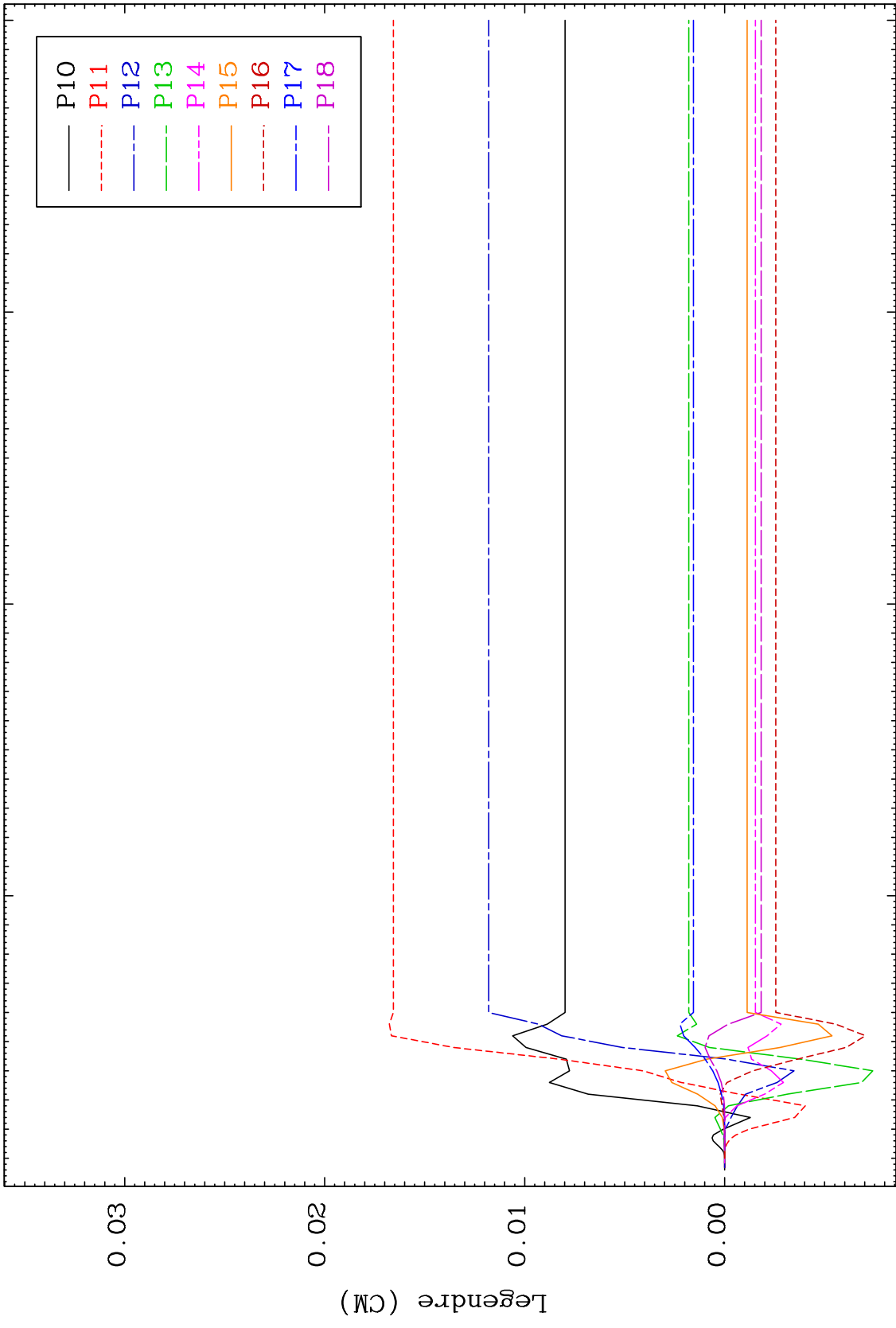


74

Incident Energy (MeV)

64-Gd-148

MAT 6413 MT= 65 (n,n') Level Legendre Coefficients 64-Gd-148

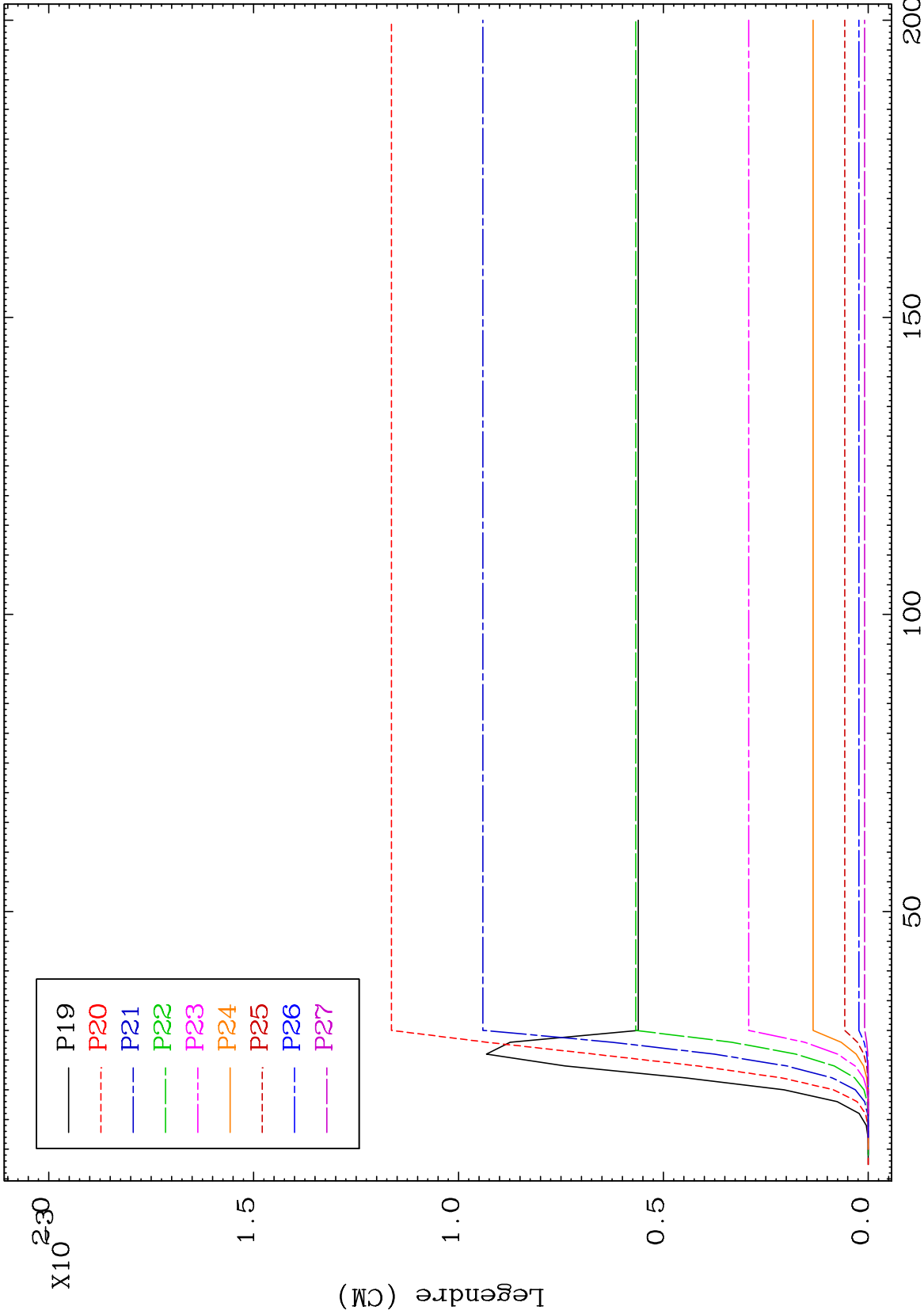


75 50 100 150 200 Incident Energy (MeV) 64-Gd-148

MAT 6413

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

64-Gd-148



76

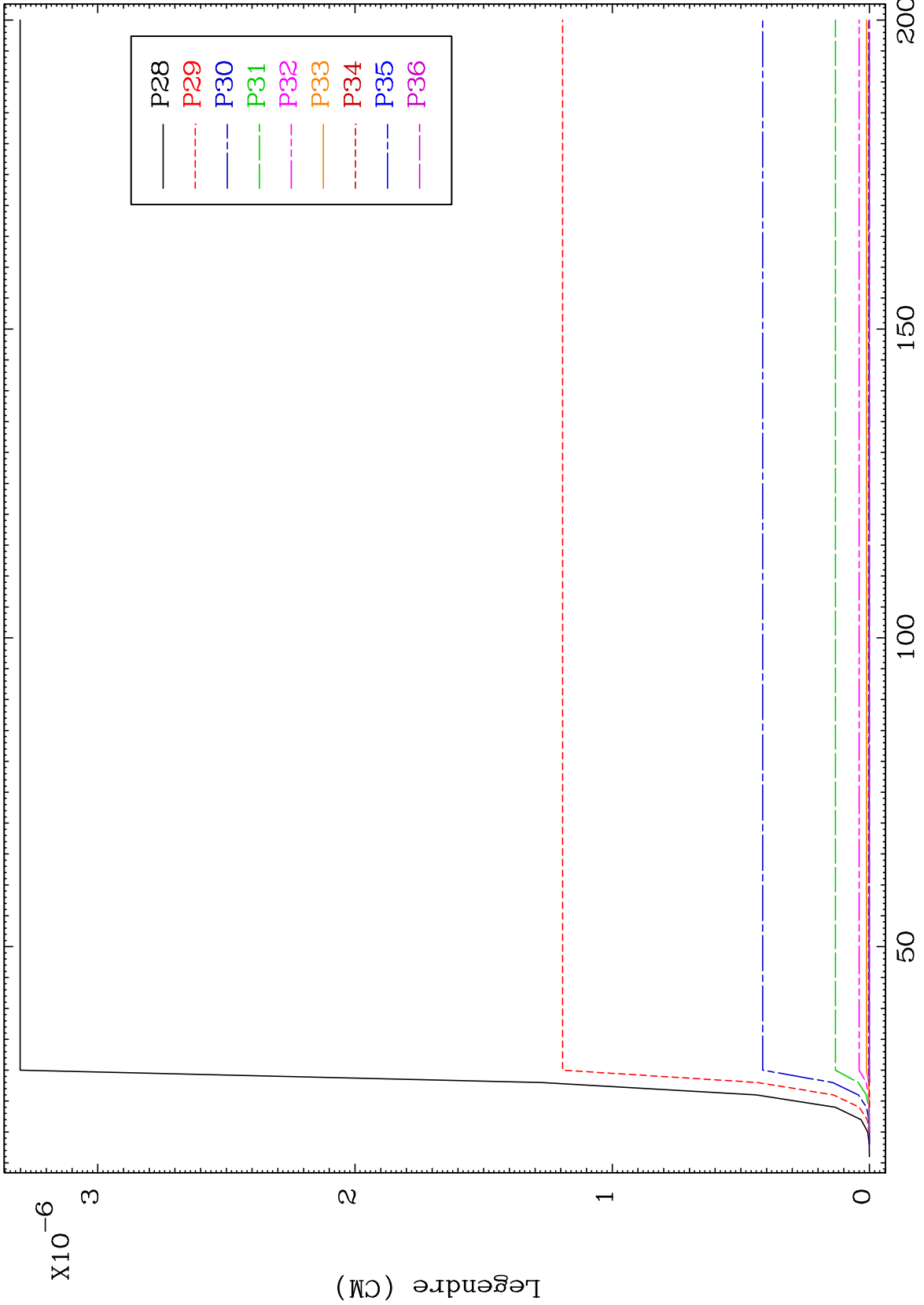
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



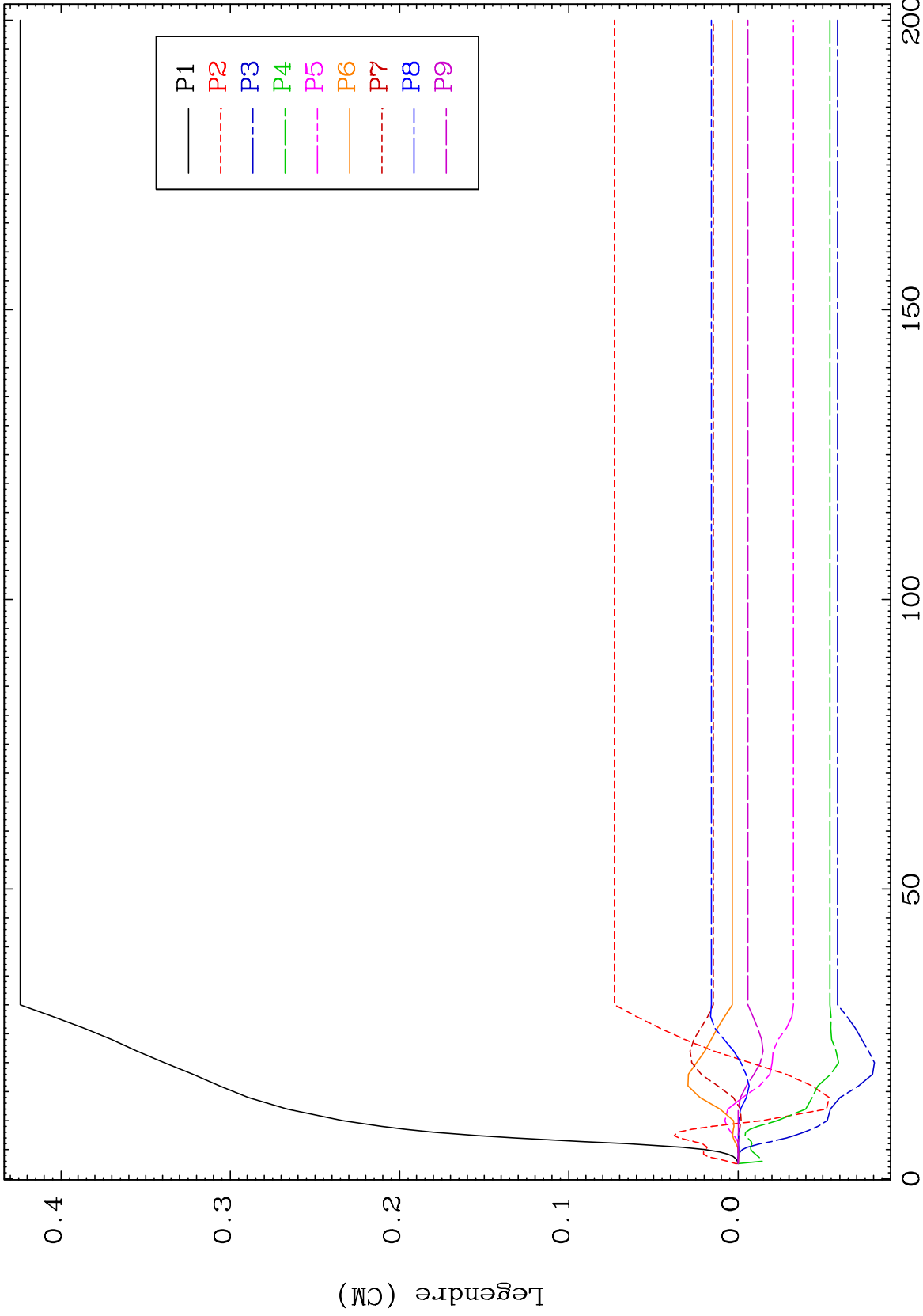
77

64-Gd-148

MAT 6413

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

64-Gd-148

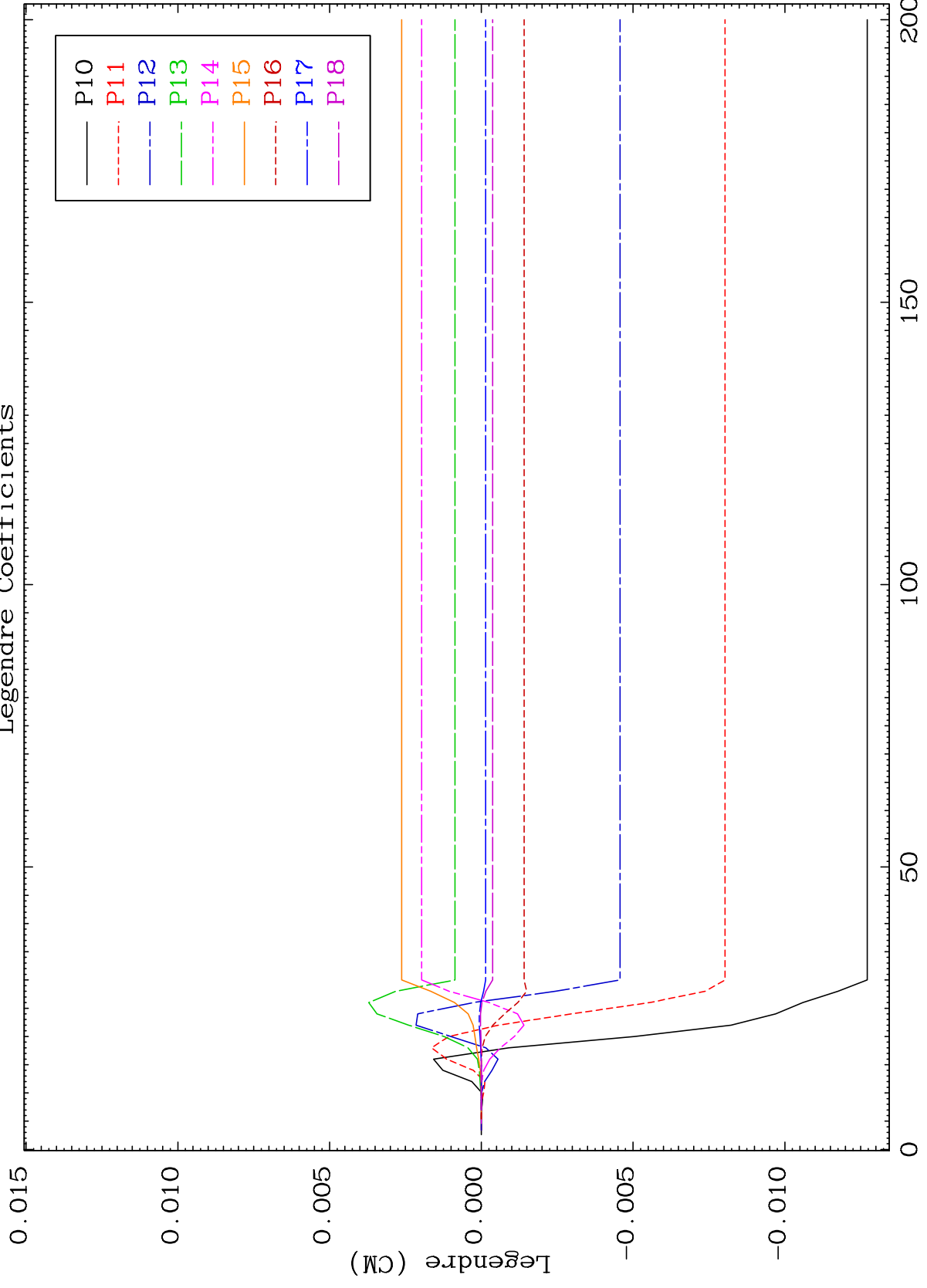


78

Incident Energy (MeV)

64-Gd-148

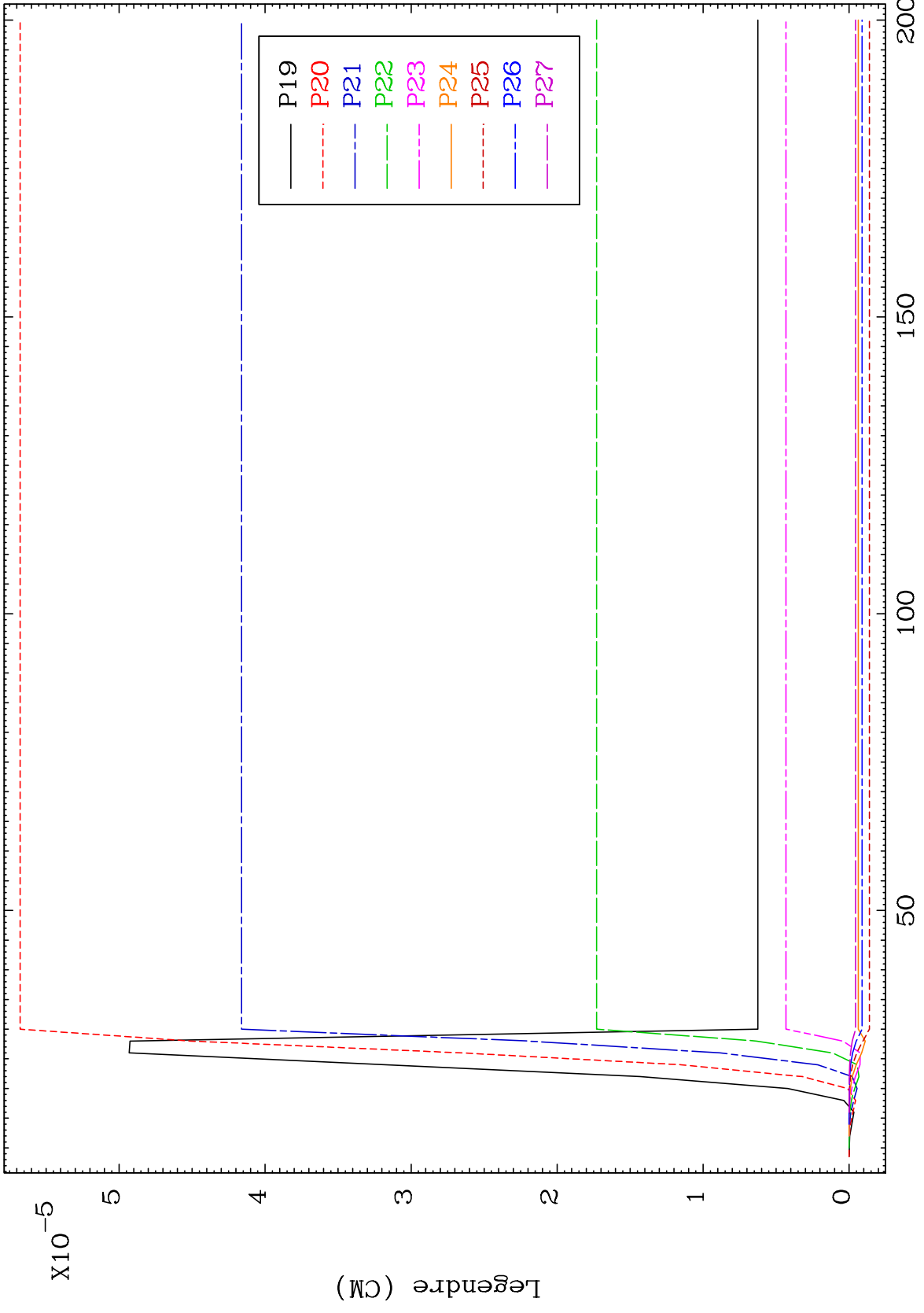
MAT 6413 MT= 66 (n,n') Level Legendre Coefficients 64-Gd-148



79 64-Gd-148



MAT 6413 MT= 66 (n,n') Level Legendre Coefficients 64-Gd-148

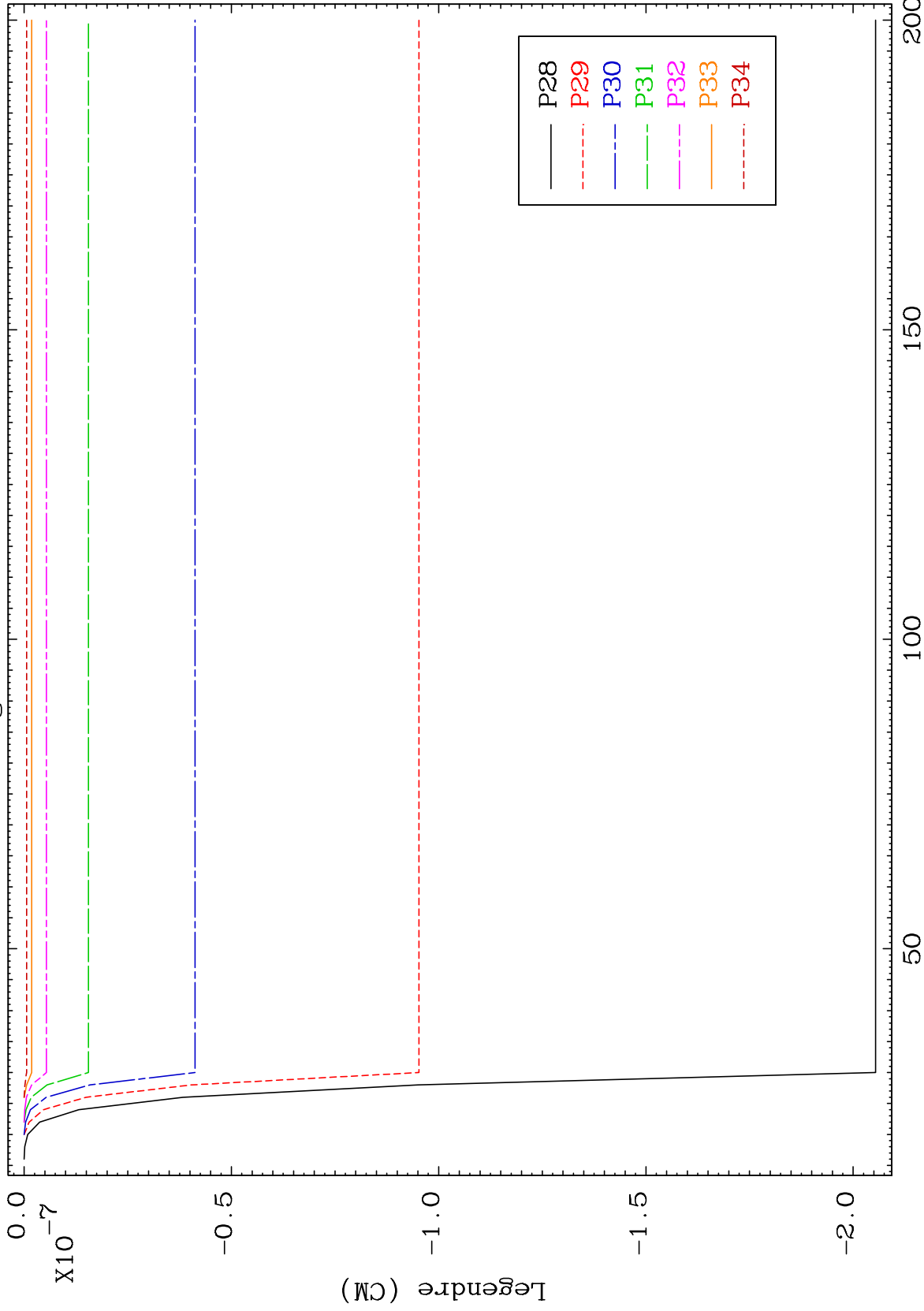


80 150 200 64-Gd-148

MAT 6413

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

64-Gd-148



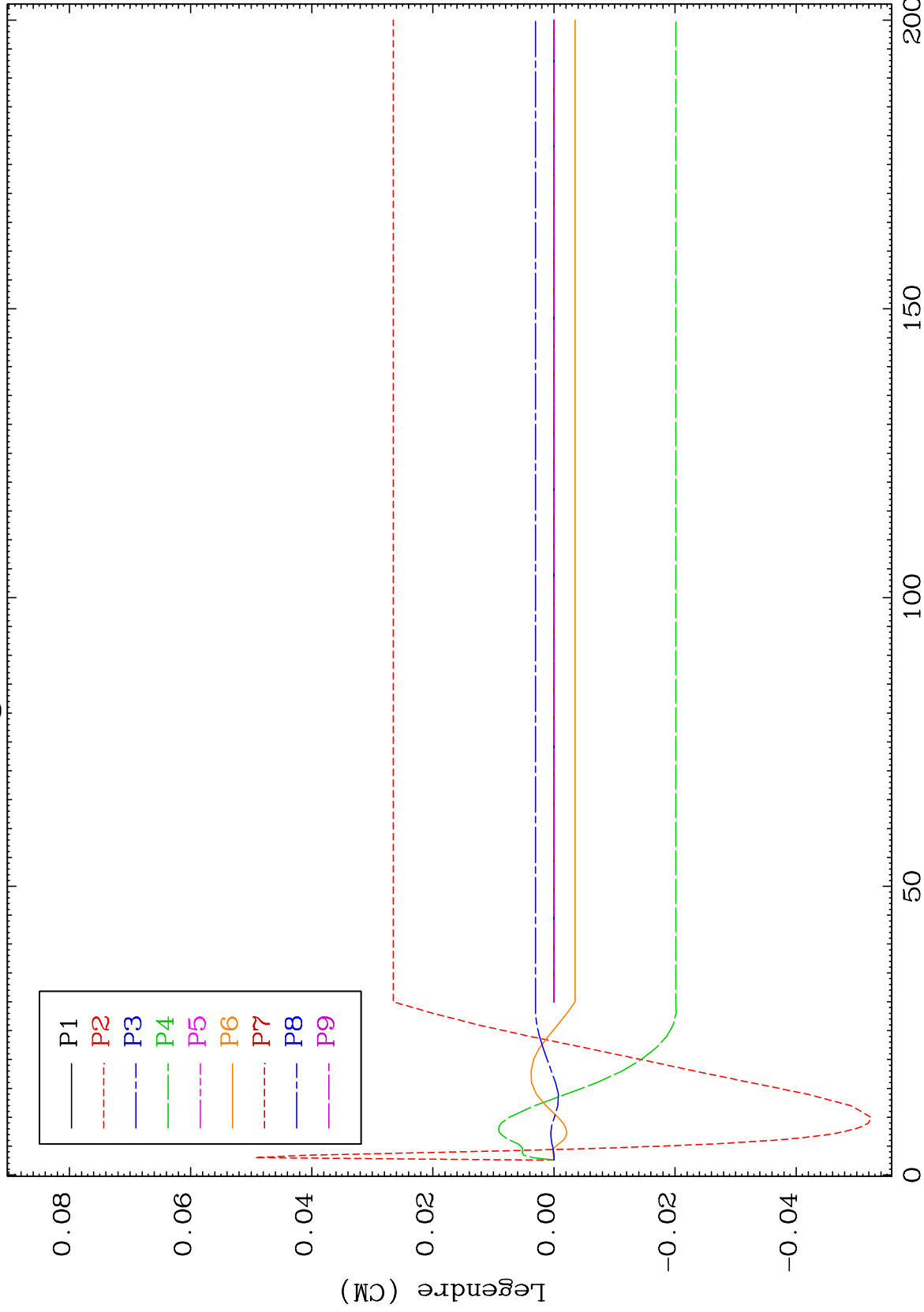
81

64-Gd-148

MAT 6413

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

64-Gd-148



82

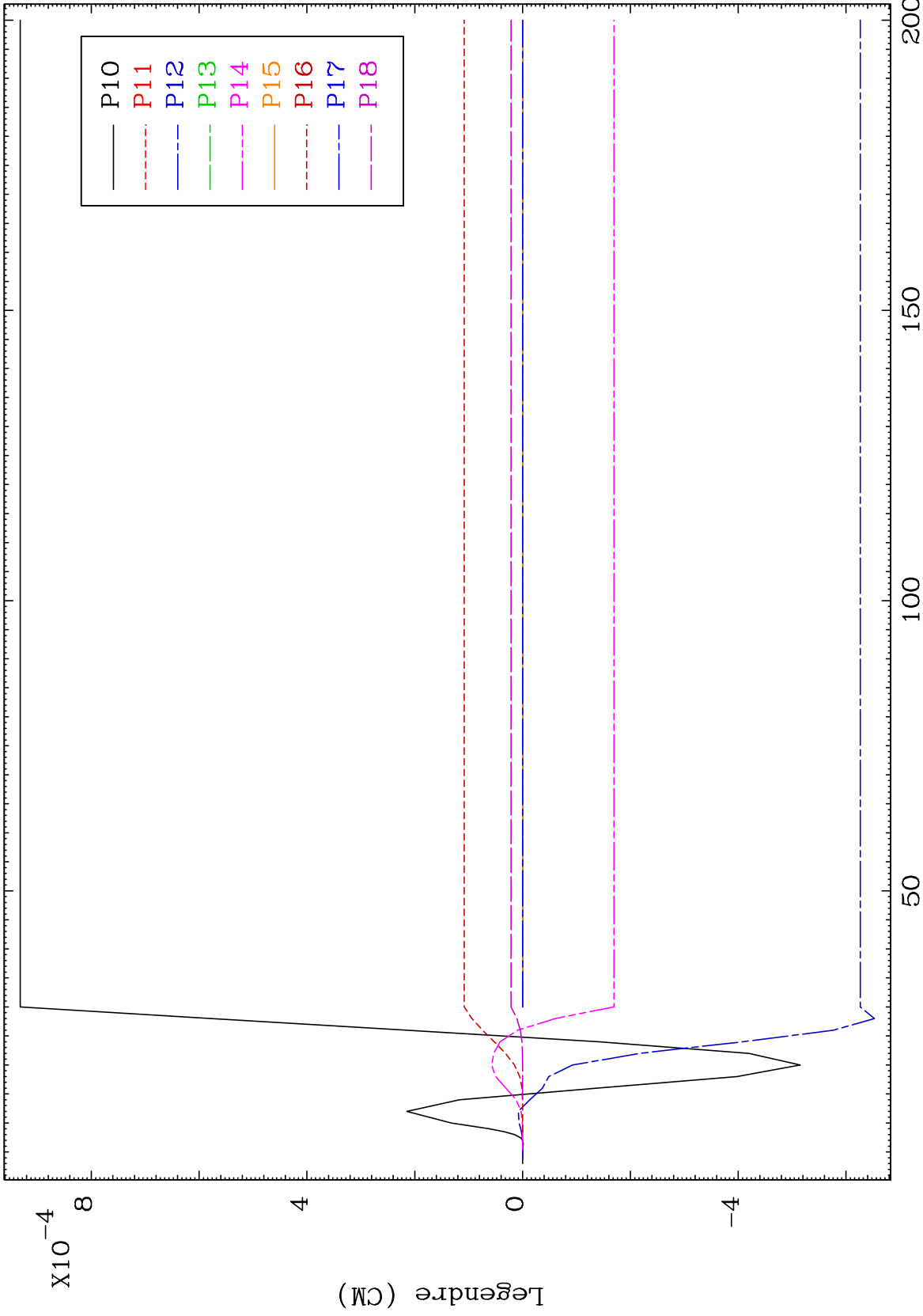
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



83

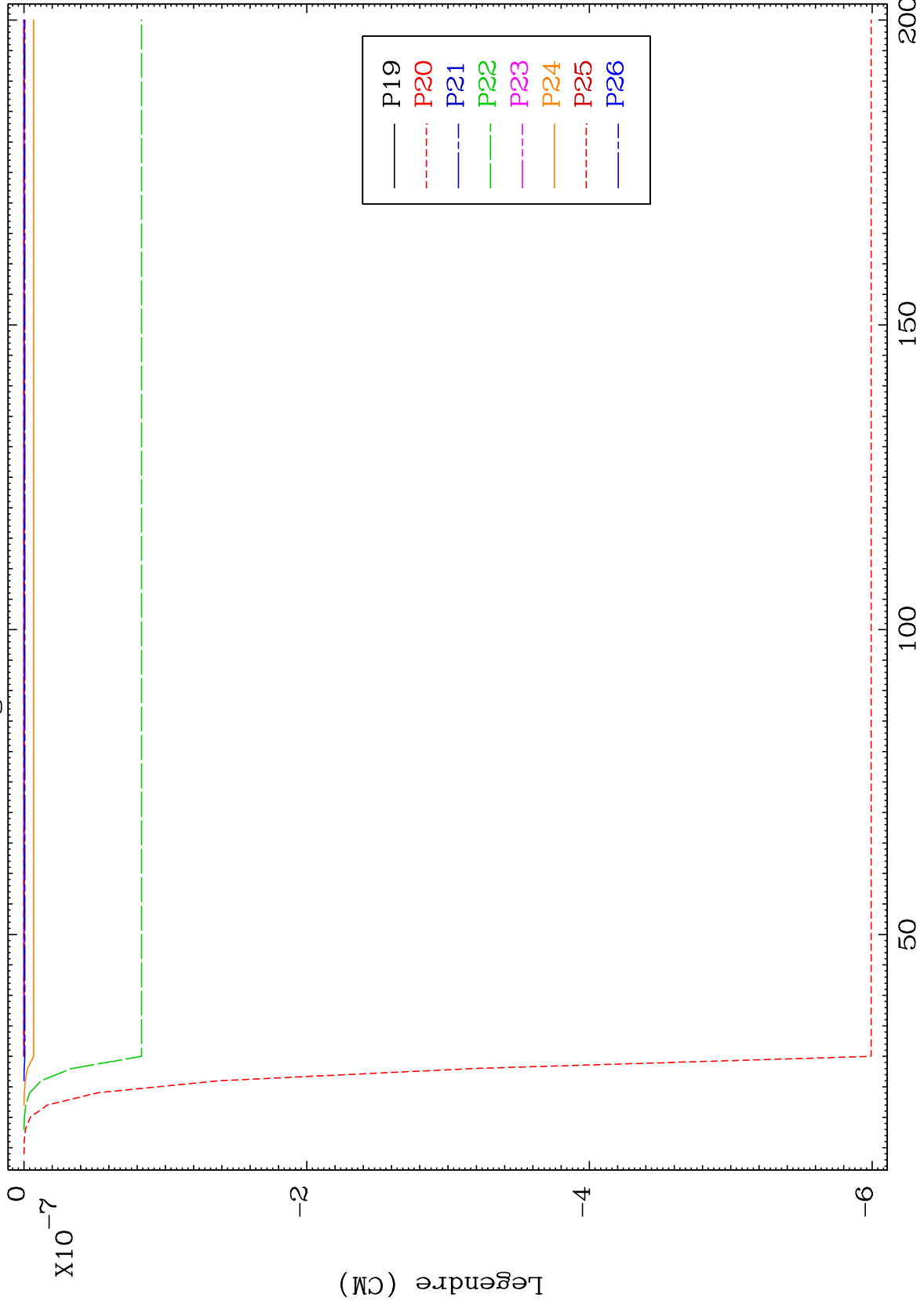
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148

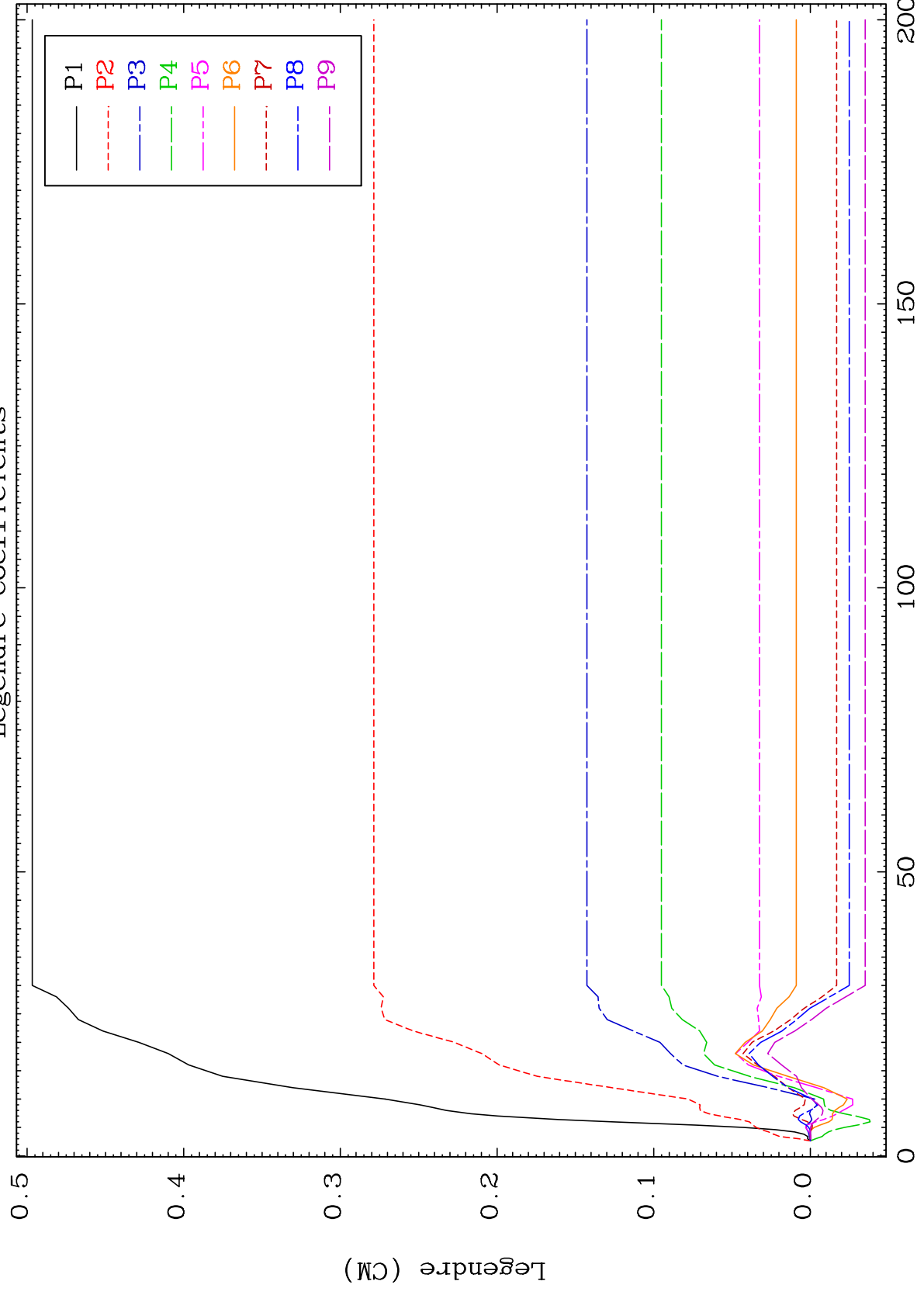


84

64-Gd-148

64-Gd-148

MAT 6413 MT= 68 (n,n') Level Legendre Coefficients 64-Gd-148

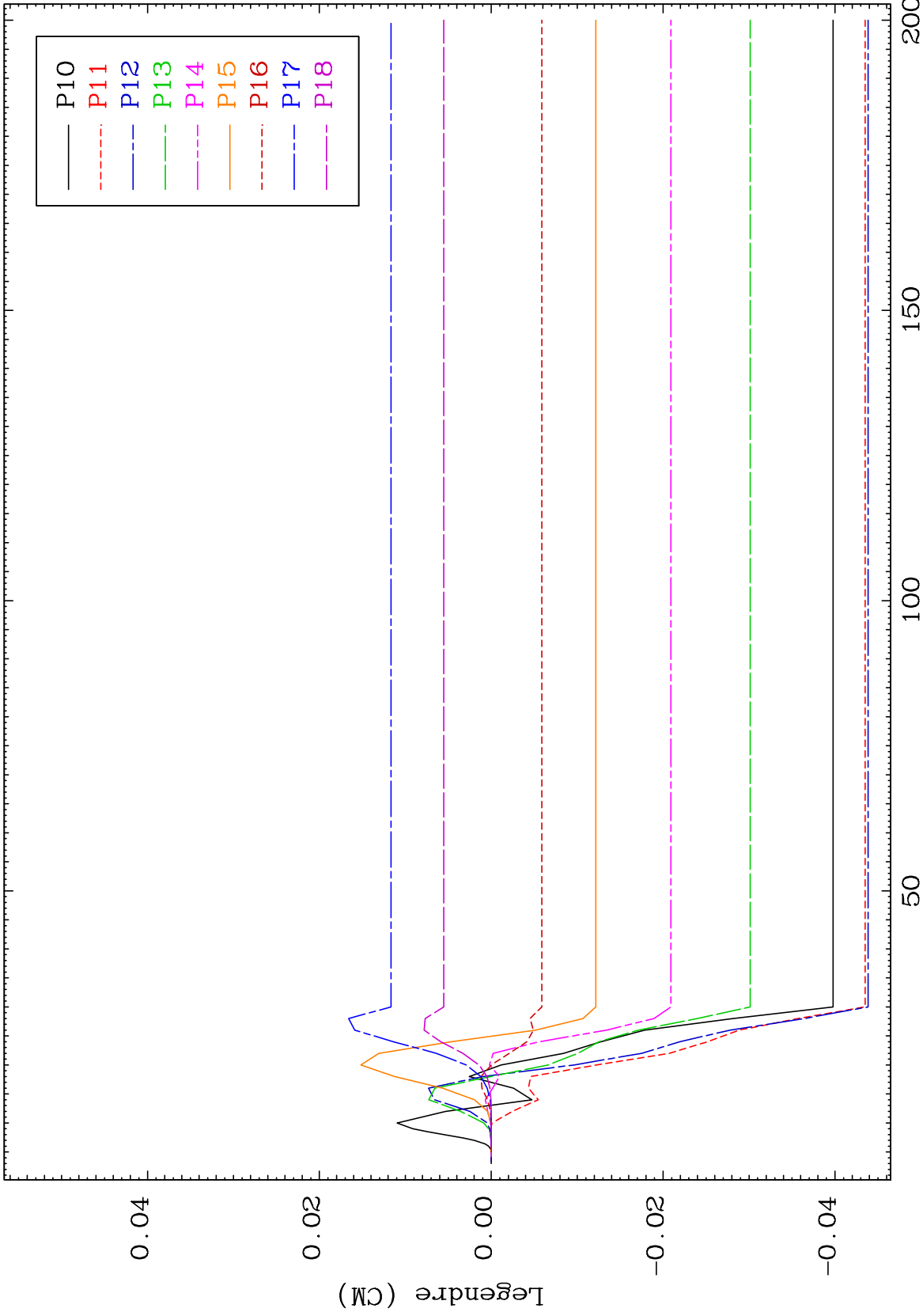


85 64-Gd-148

MAT 6413

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

64-Gd-148



86

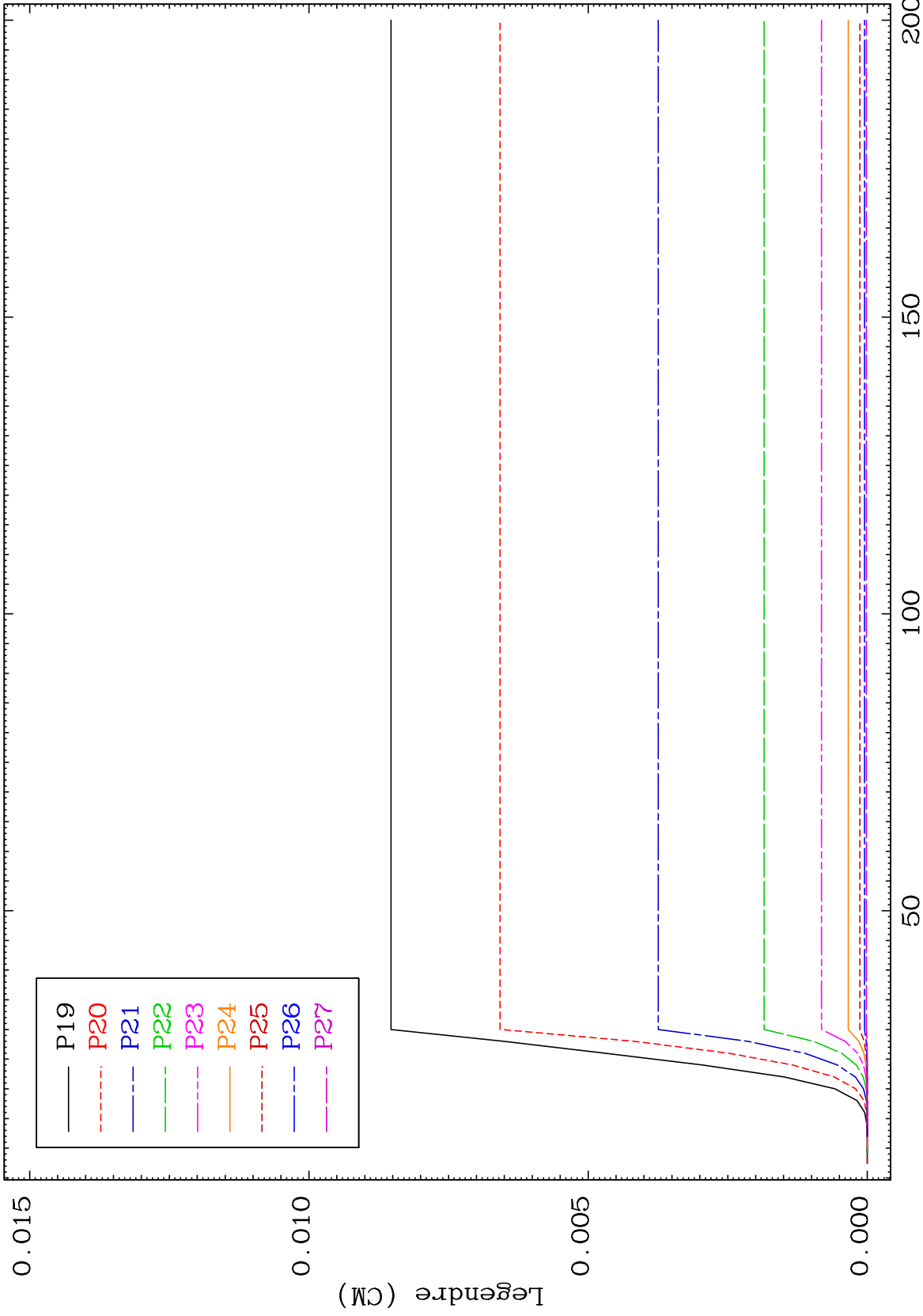
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



87

Incident Energy (MeV)

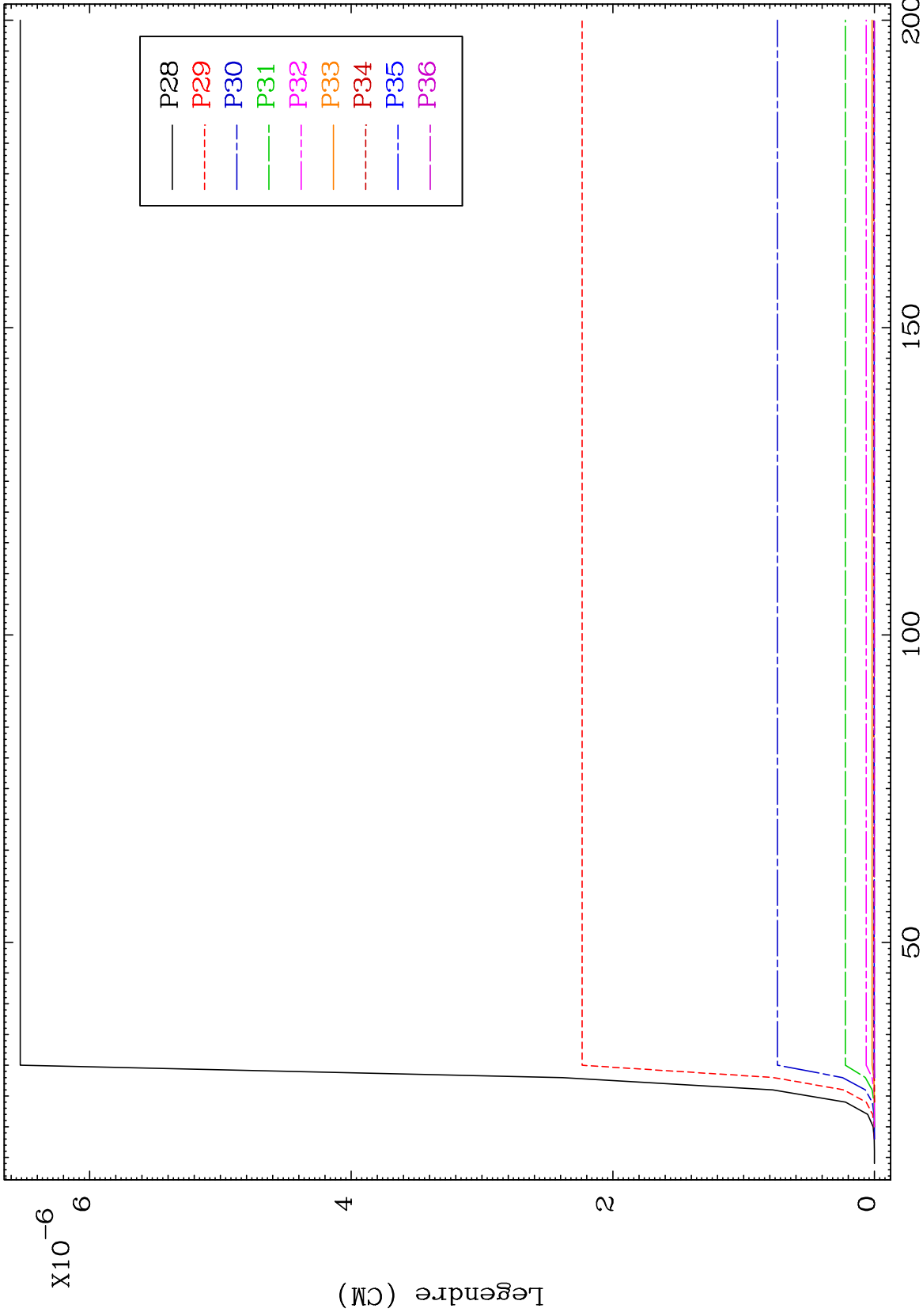
64-Gd-148



MAT 6413

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

64-Gd-148



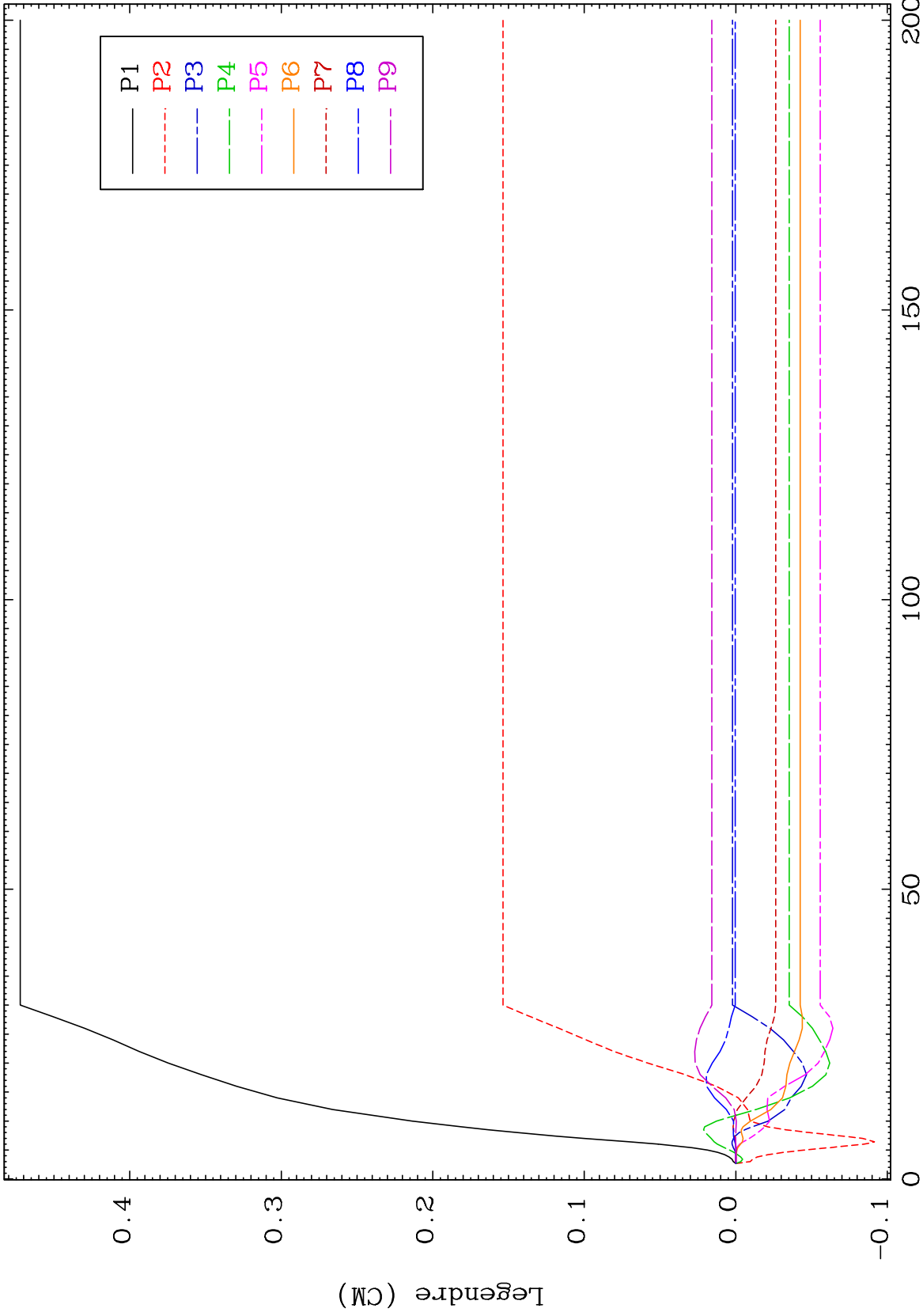
88

64-Gd-148

MAT 6413

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

64-Gd-148



89

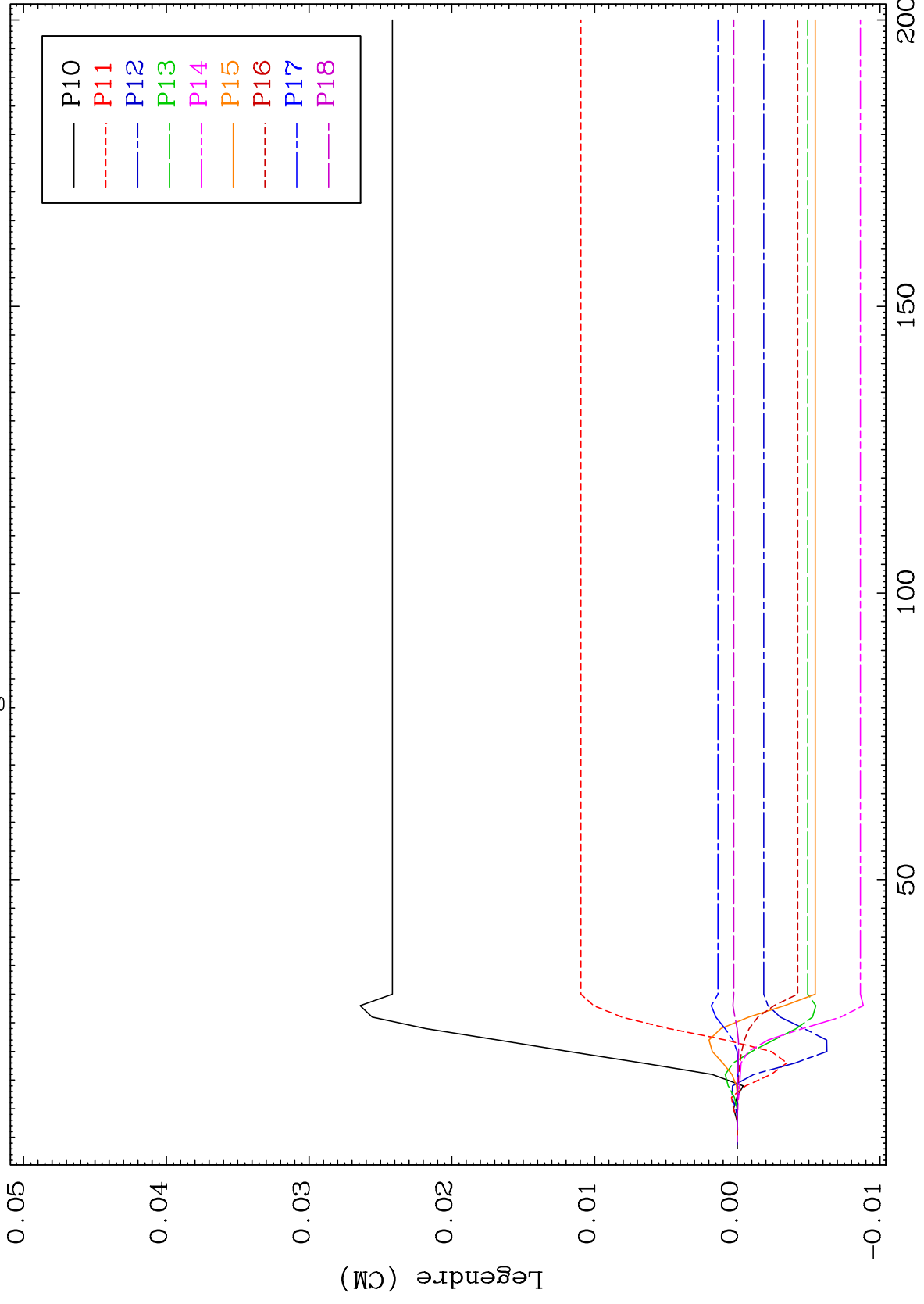
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



90

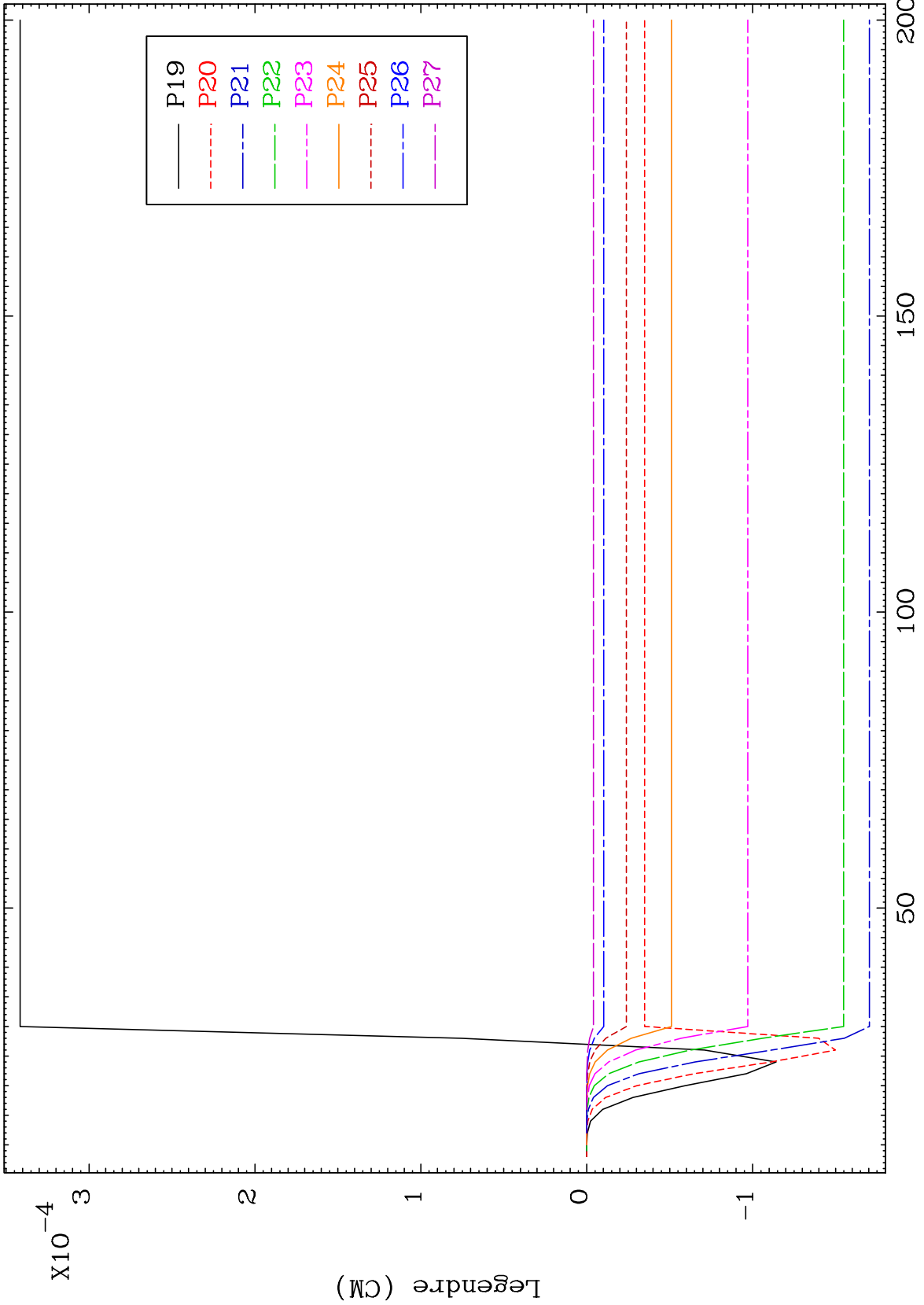
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

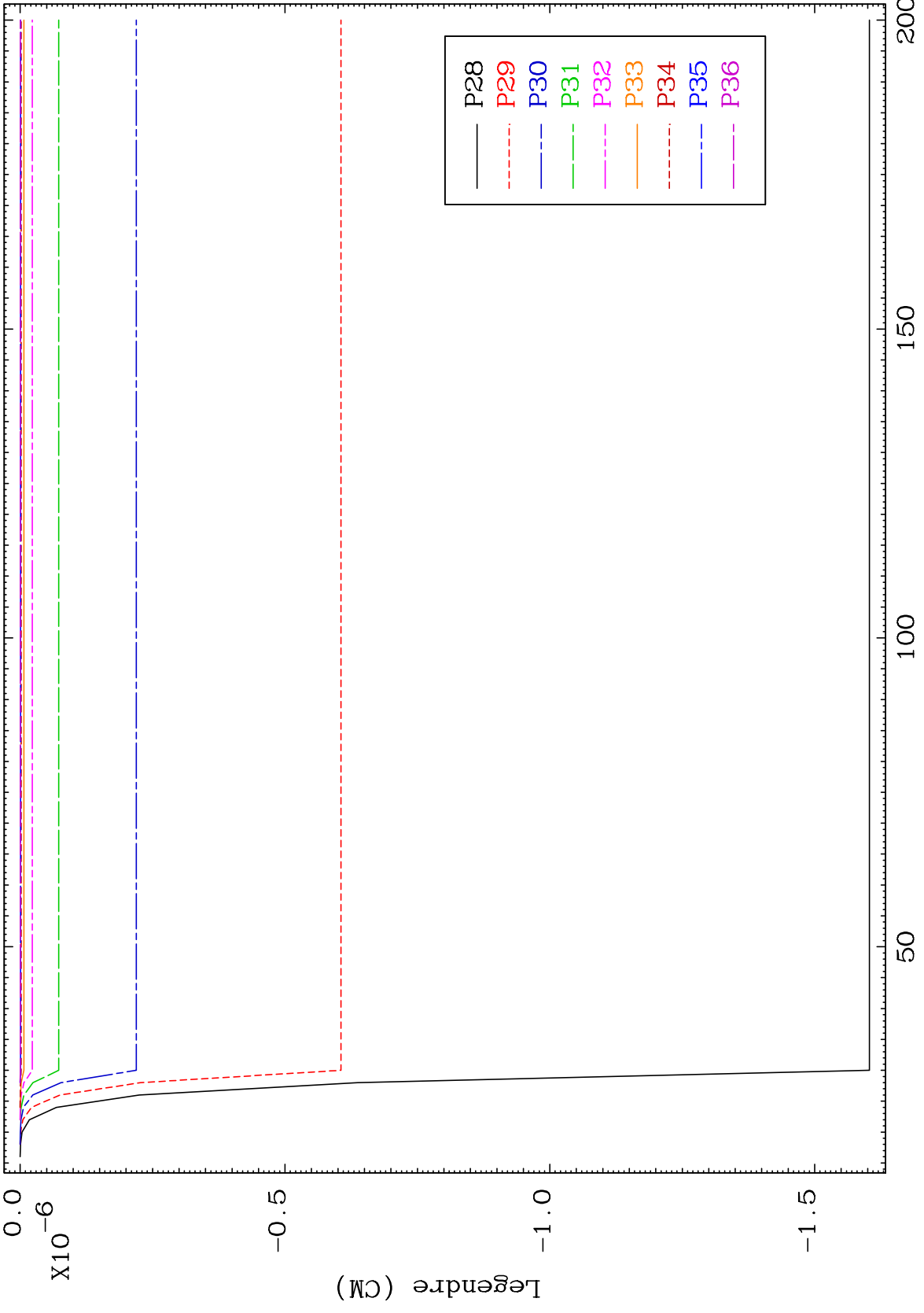
64-Gd-148



91

64-Gd-148

MAT 6413 MT= 69 (n,n') Level Legendre Coefficients 64-Gd-148

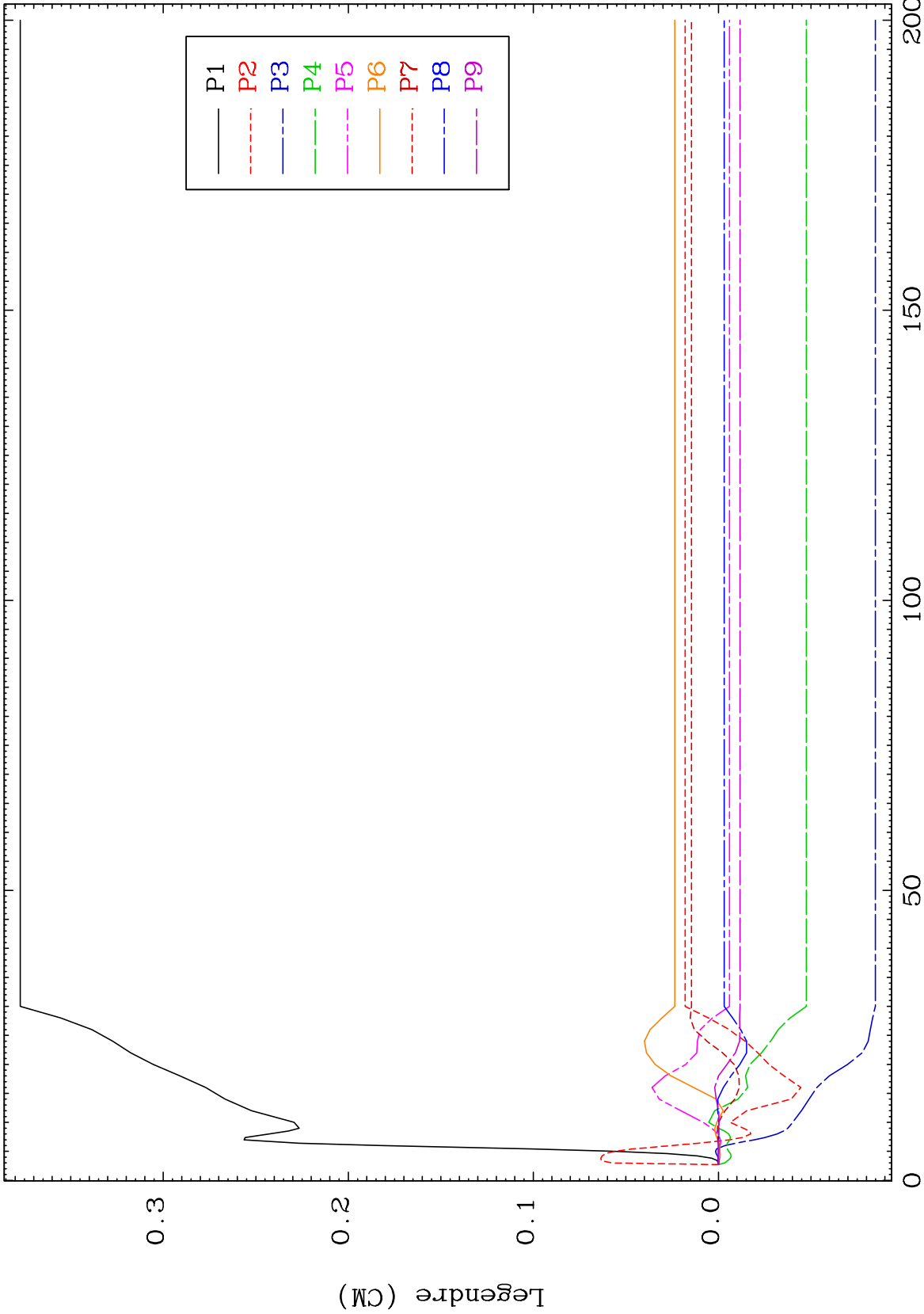


92 64-Gd-148

MAT 6413

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

64-Gd-148



93

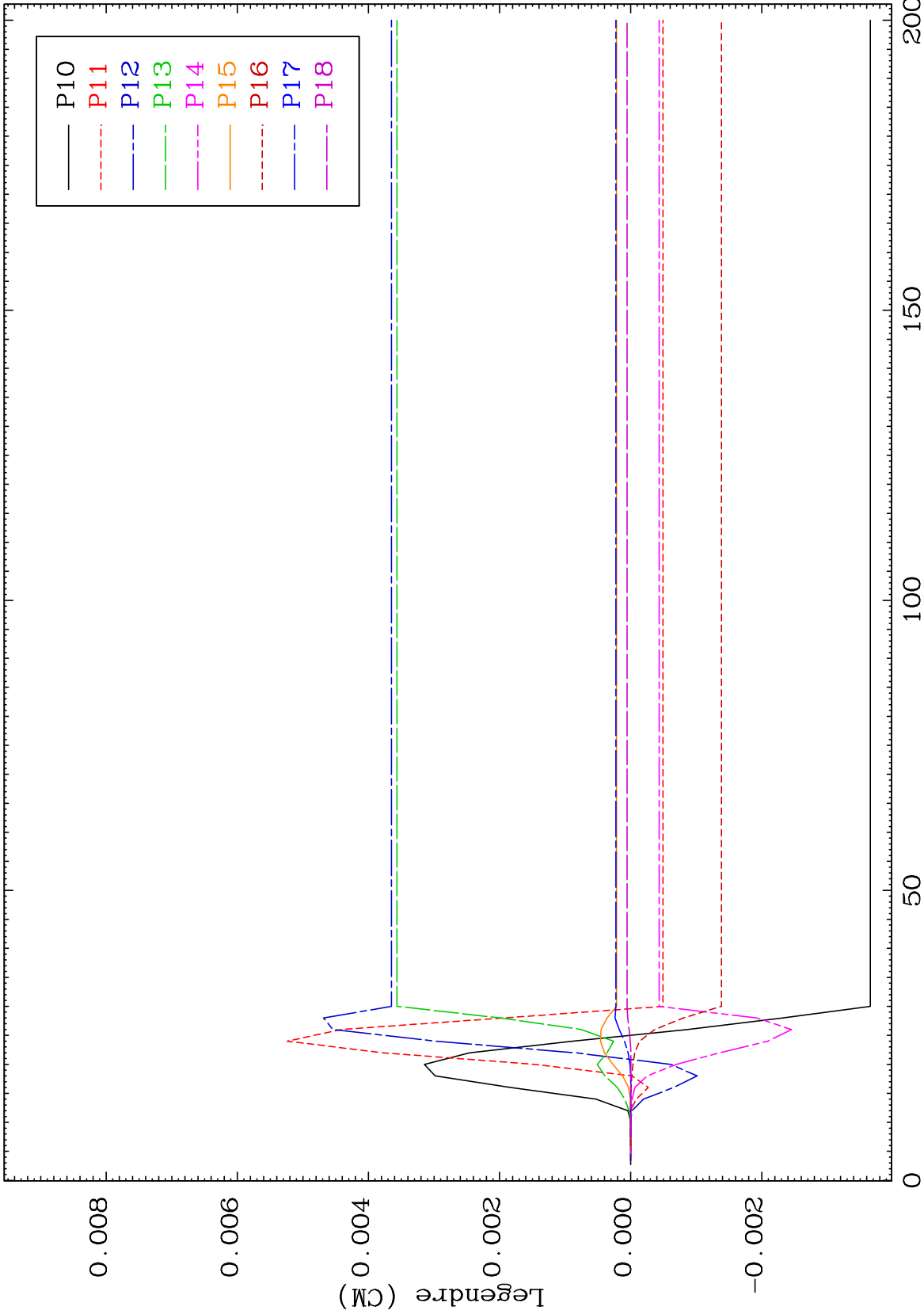
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



94

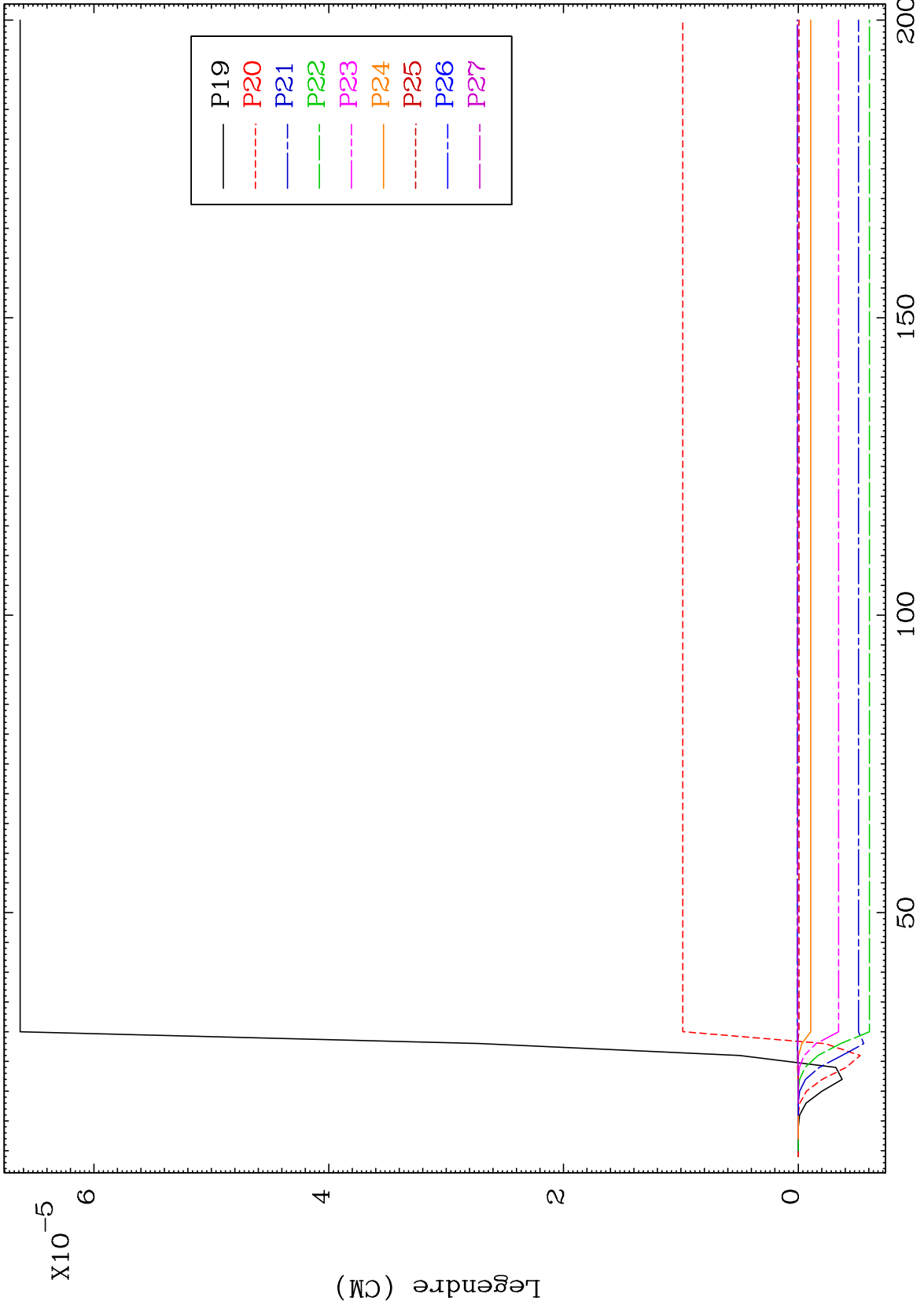
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148

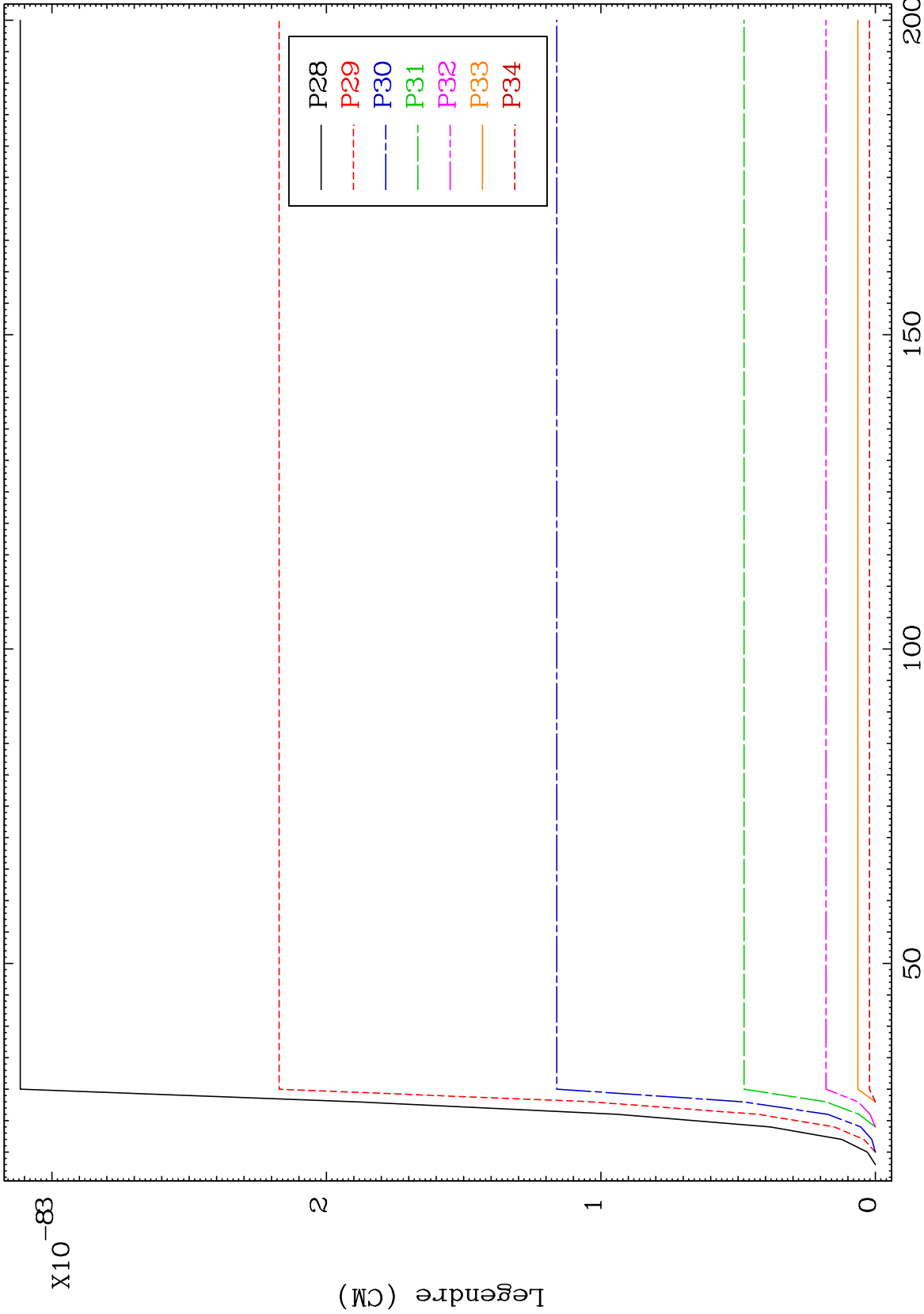




MAT 6413

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

64-Gd-148



96

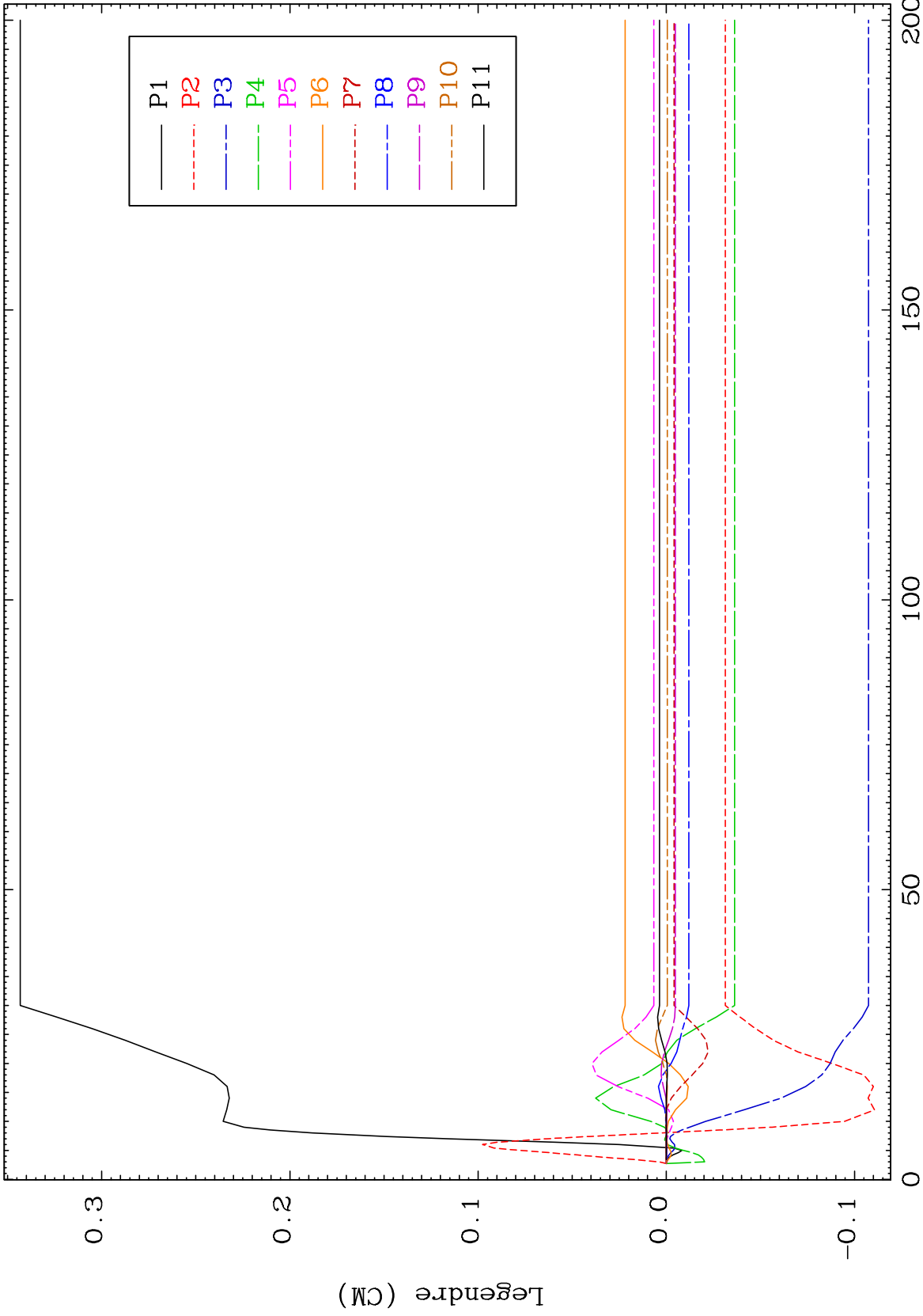
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



97

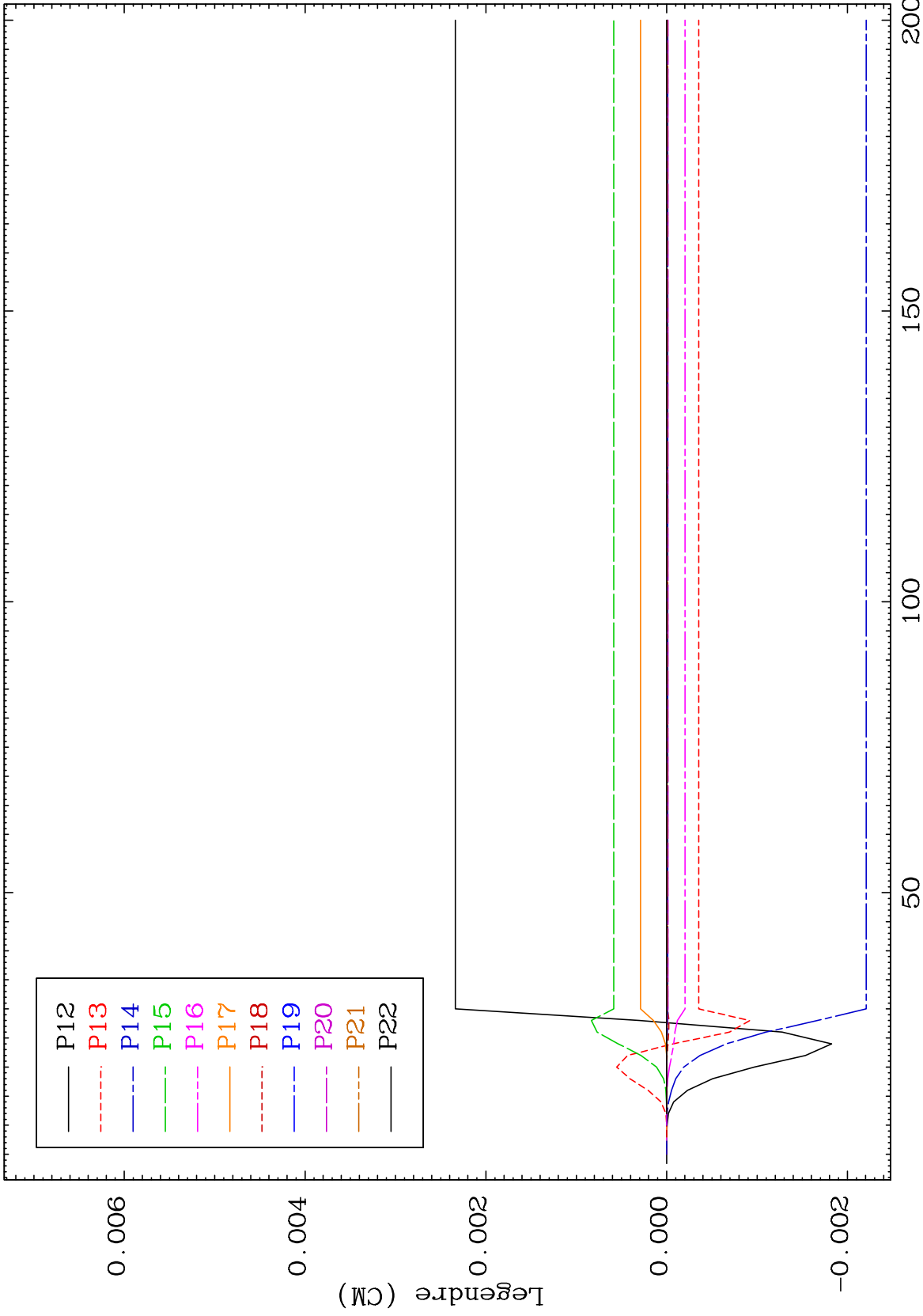
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



98

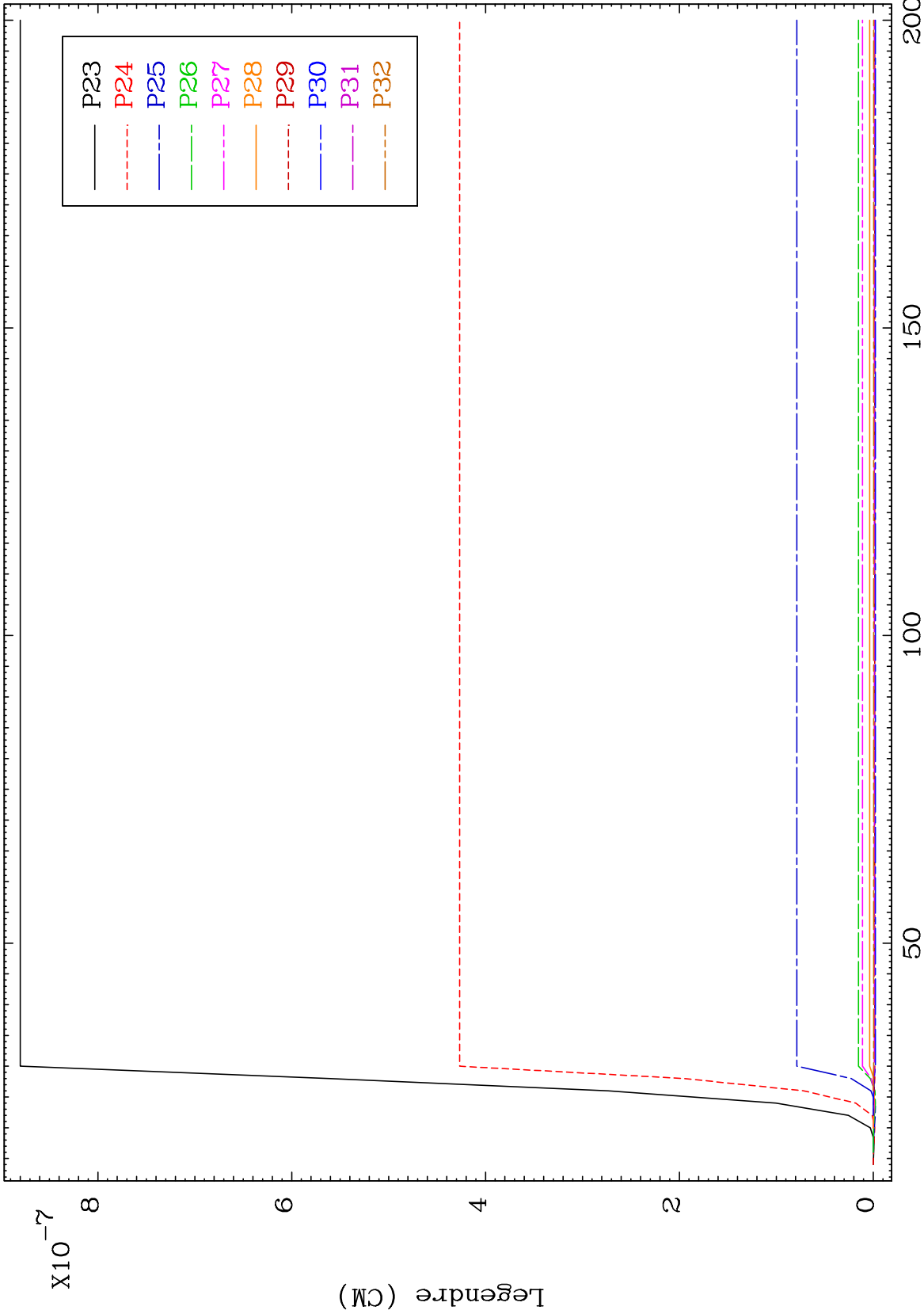
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148

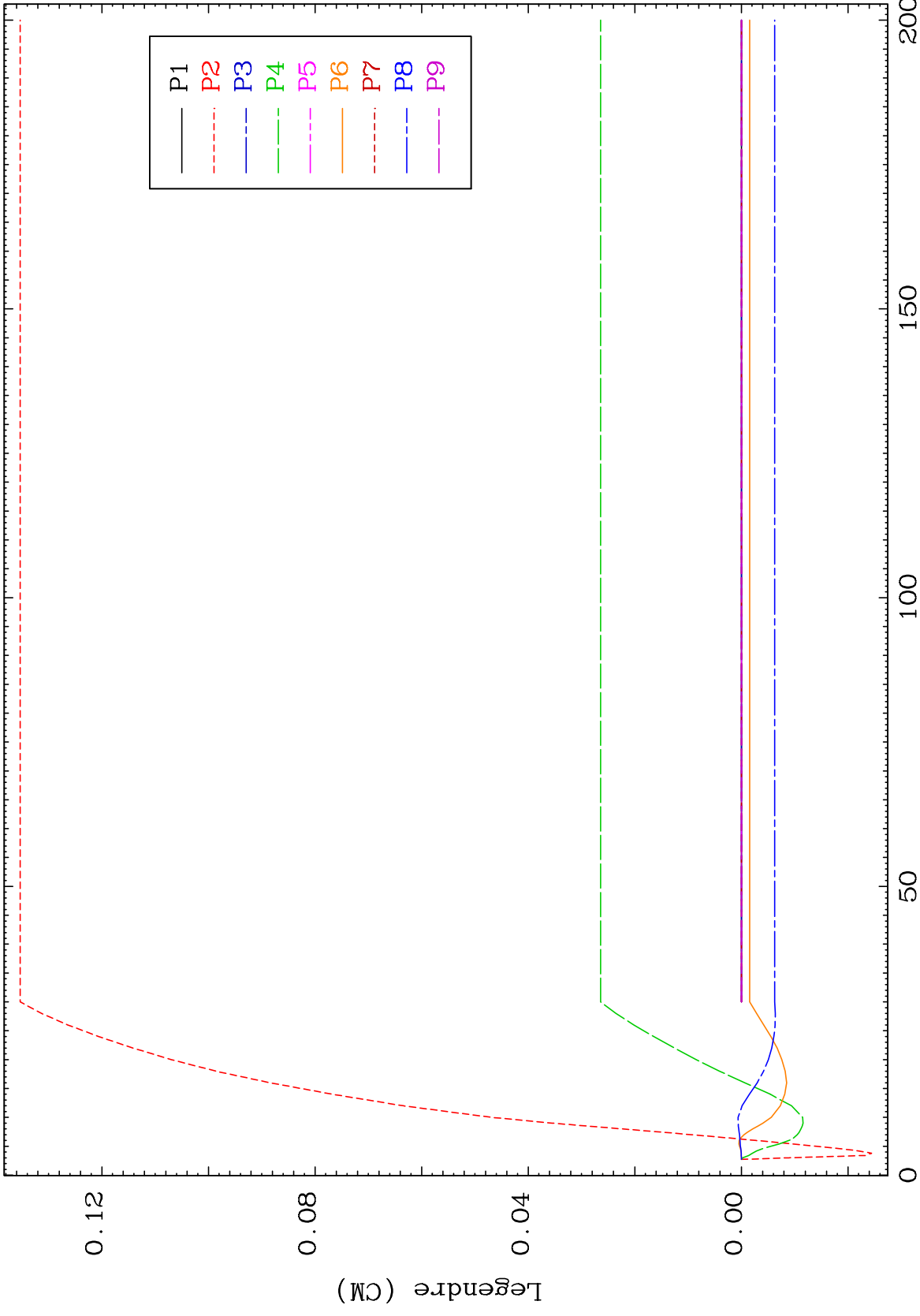


99

Incident Energy (MeV)

64-Gd-148

MAT 6413 MT= 72 (n,n') Level Legendre Coefficients 64-Gd-148

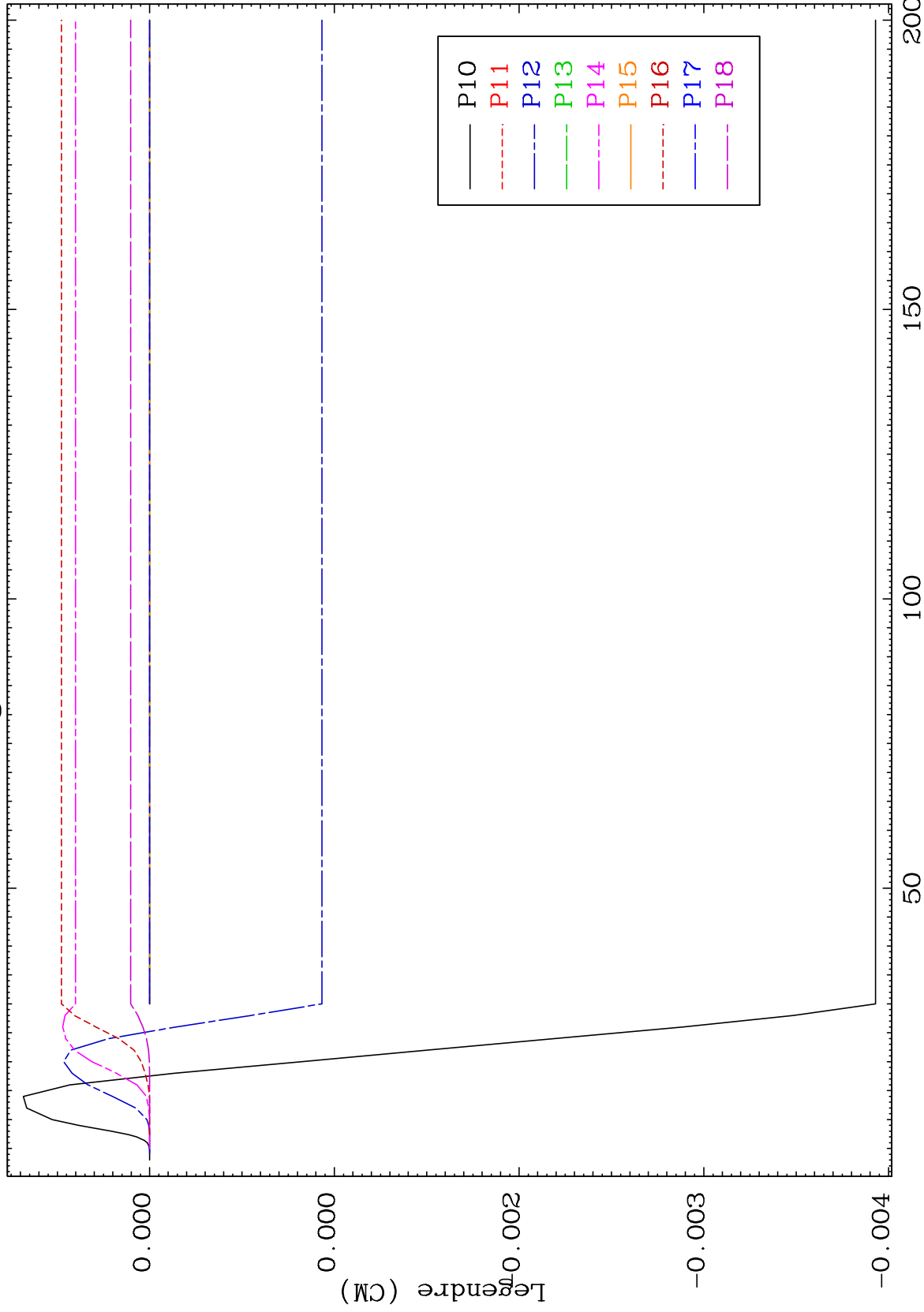


64-Gd-148

MAT 6413

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

64-Gd-148



101

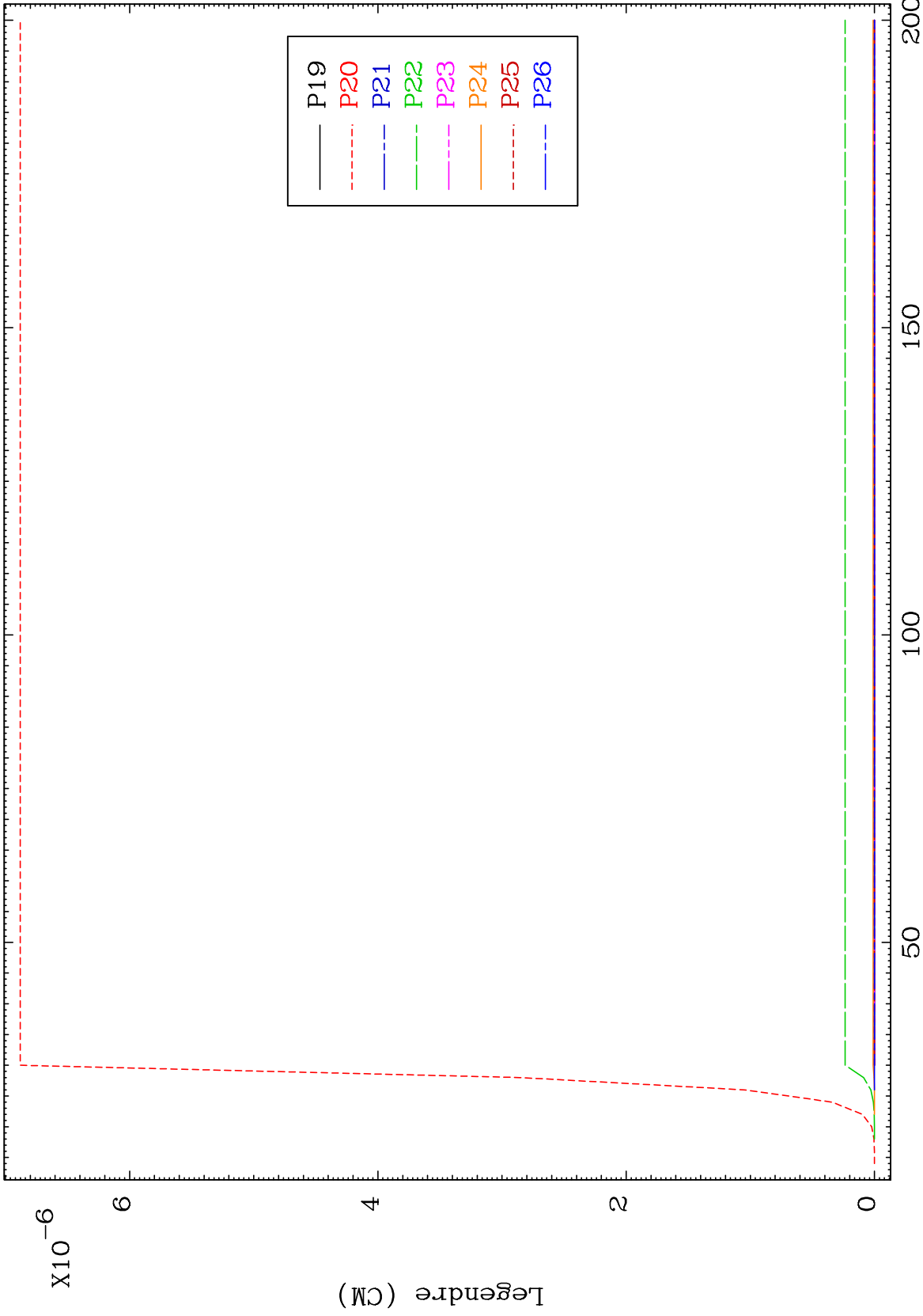
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



102

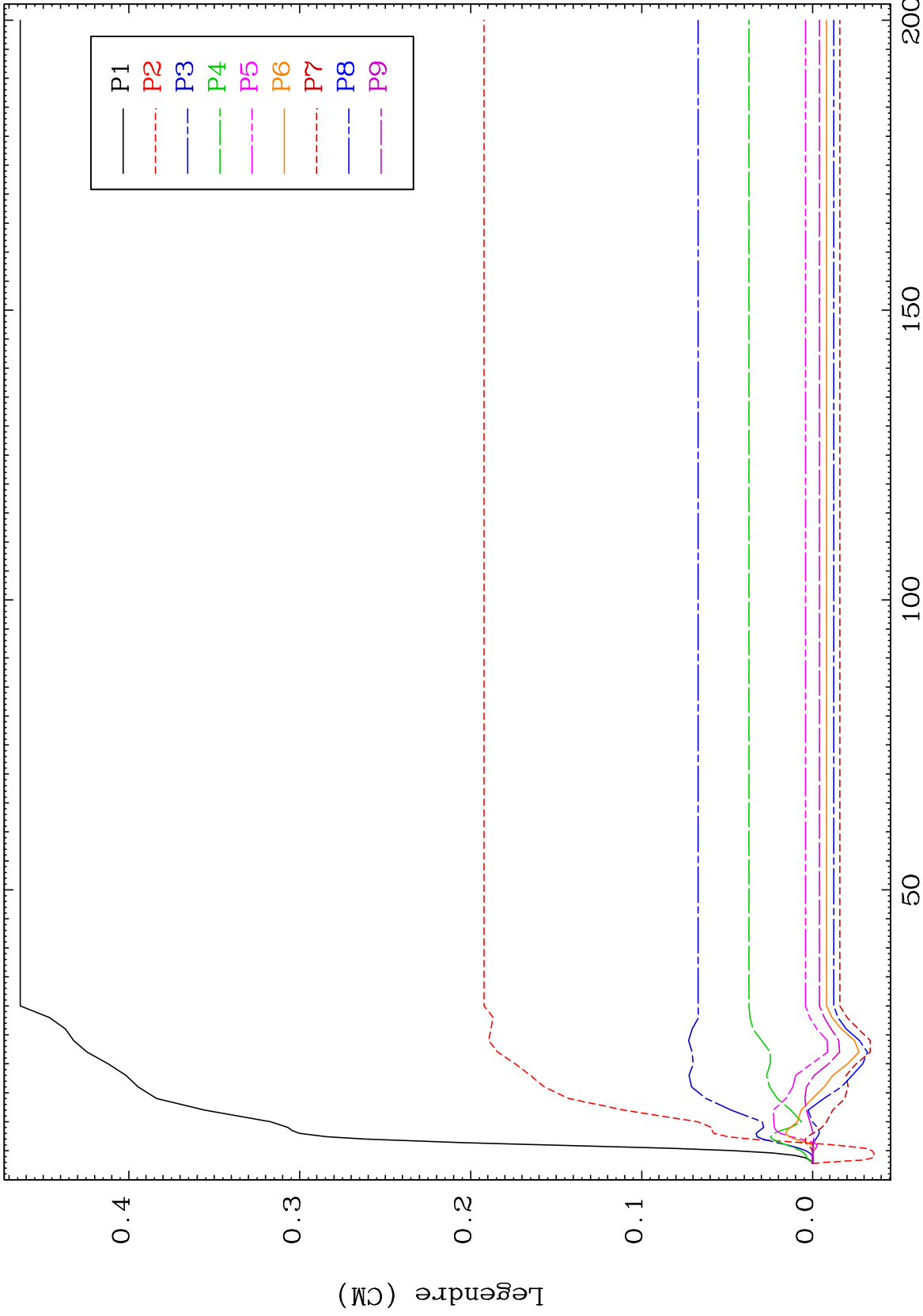
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



103

Incident Energy (MeV)

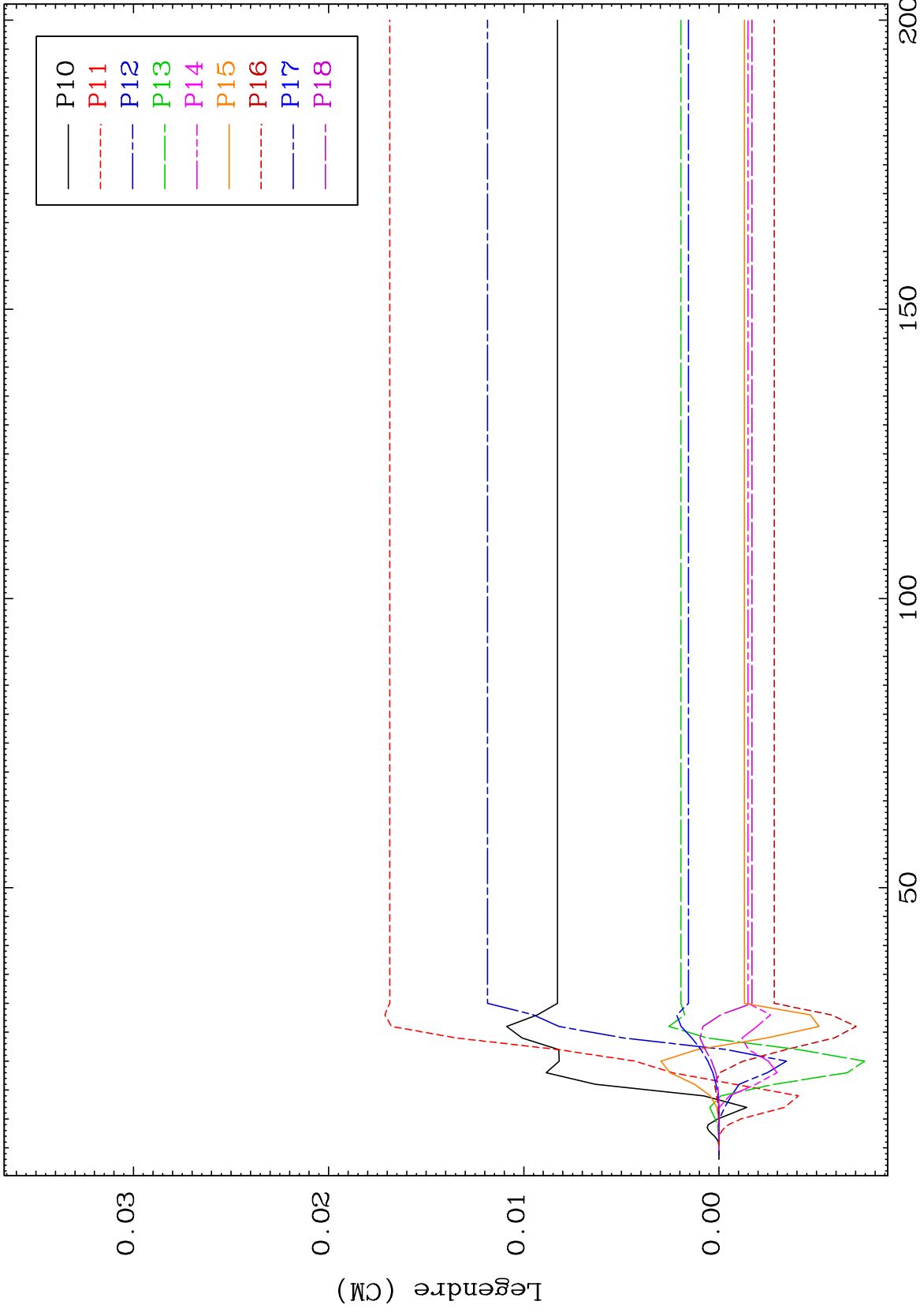
64-Gd-148



MAT 6413

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

64-Gd-148



104

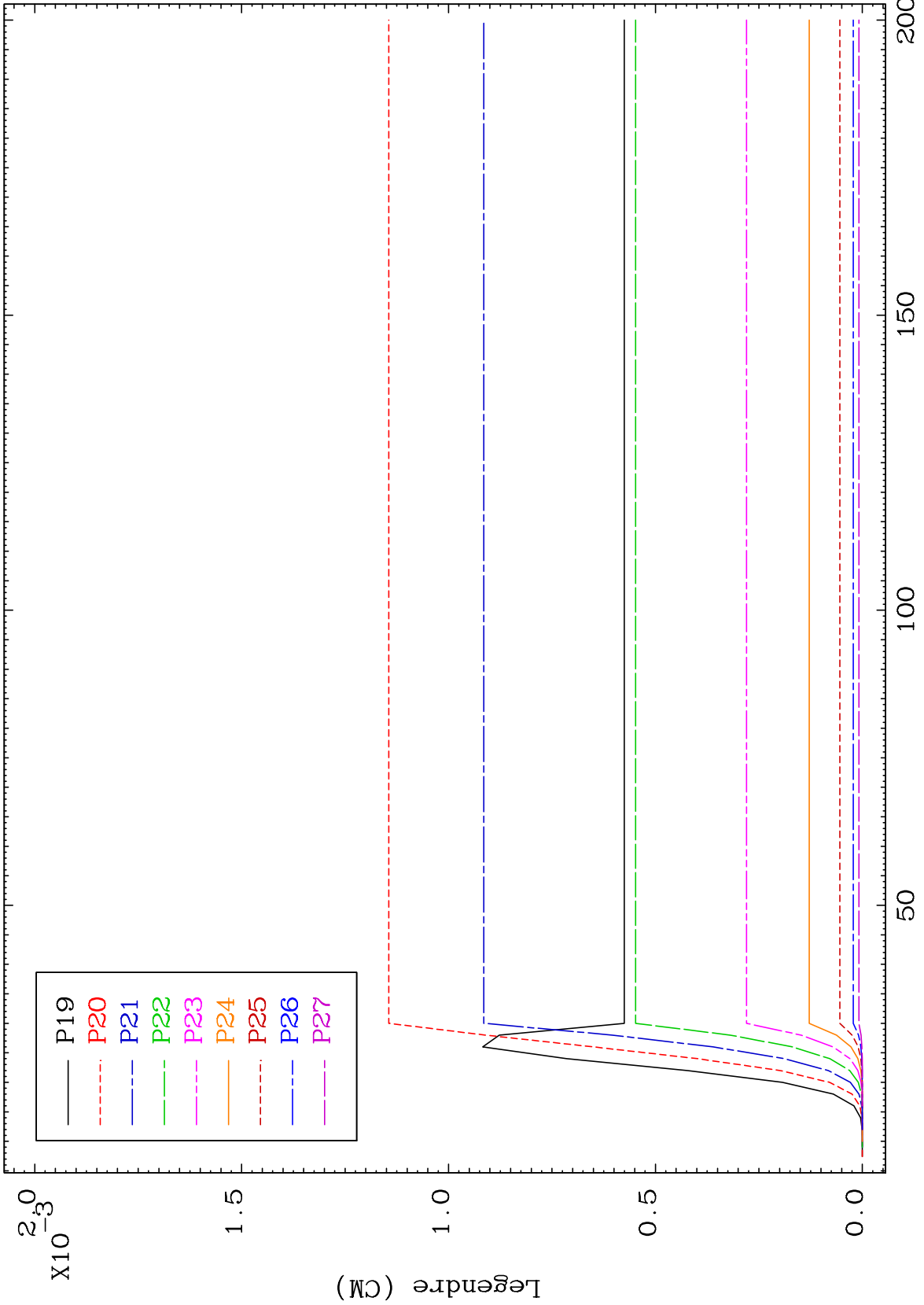
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



105

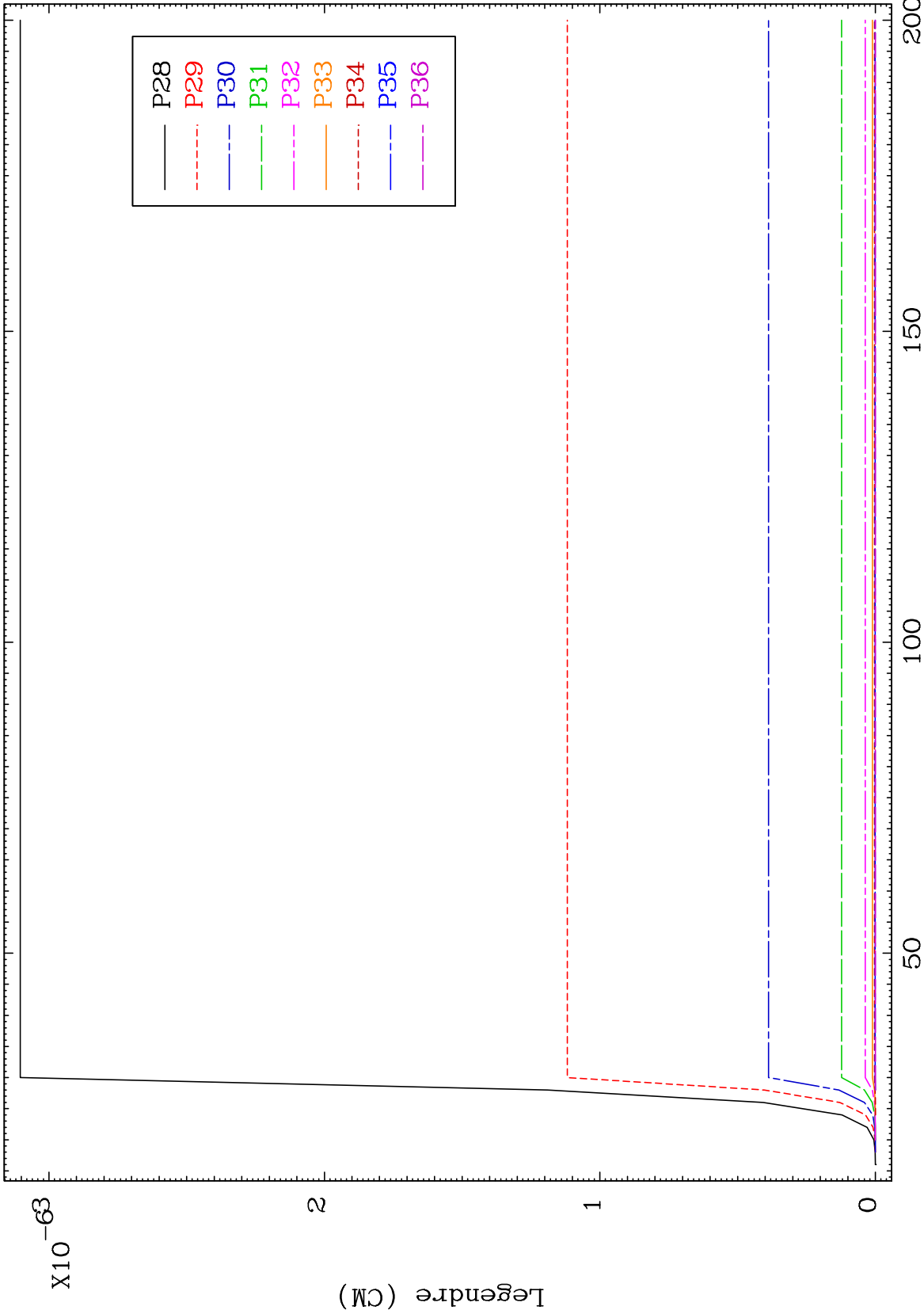
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



106

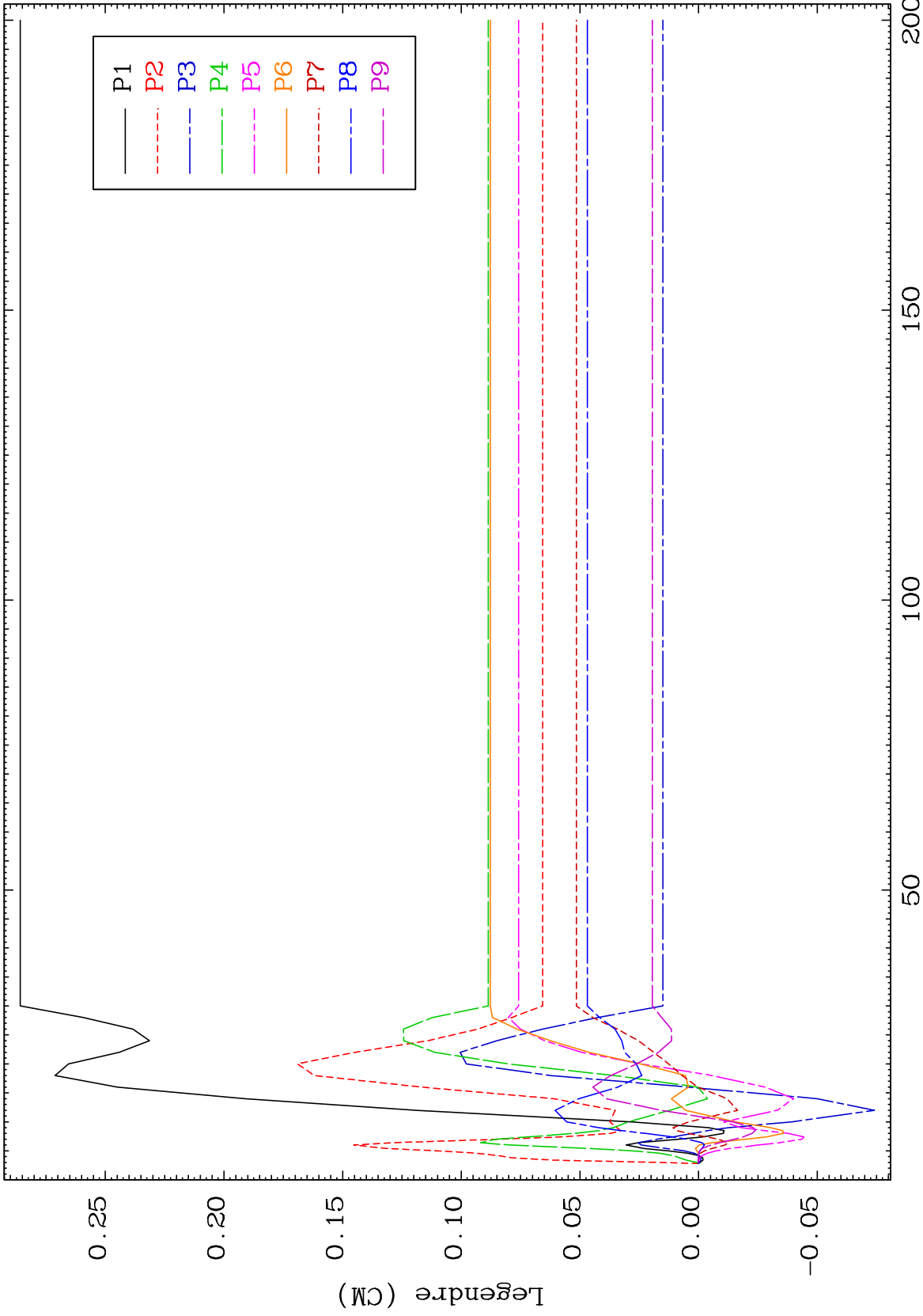
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



107

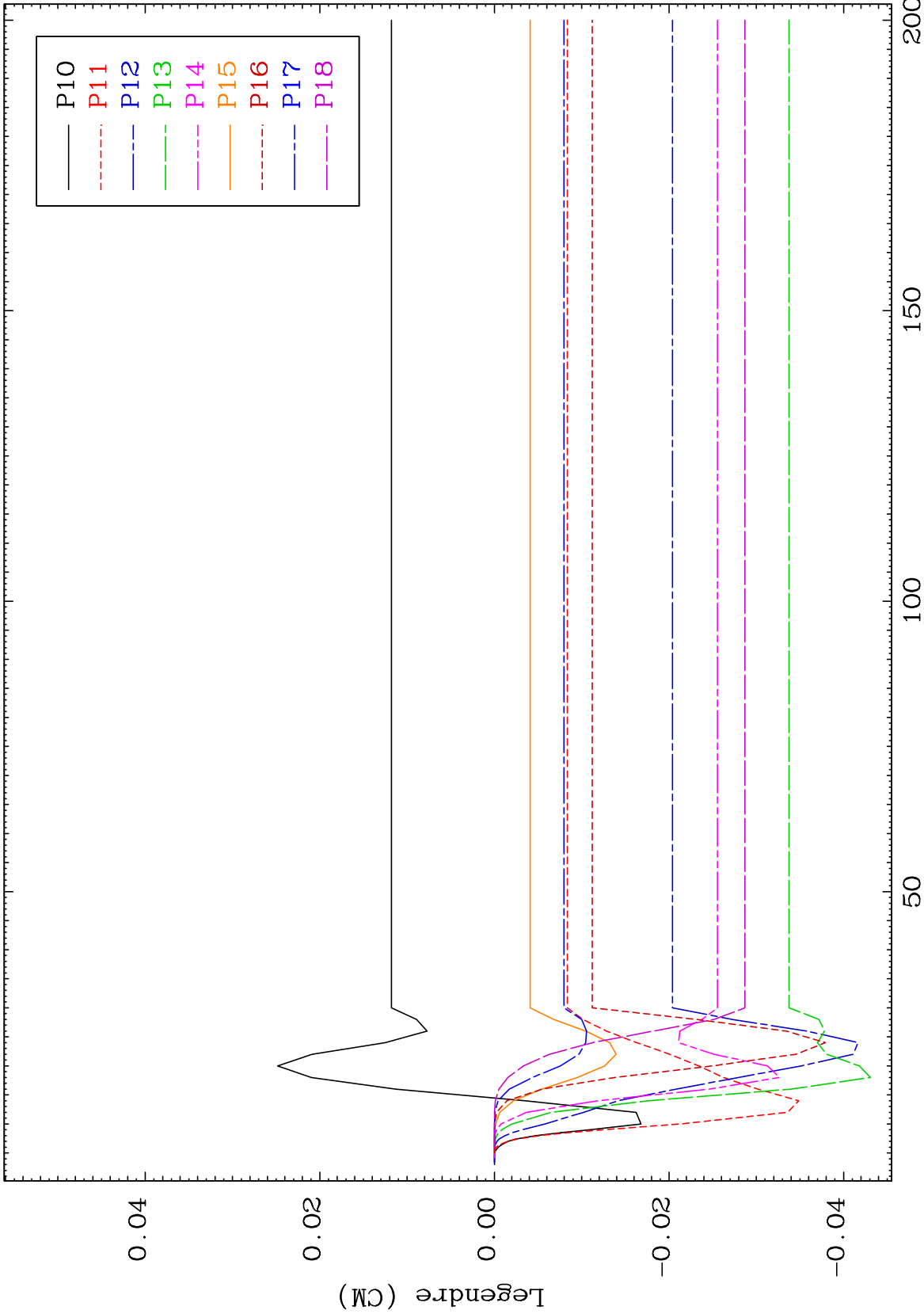
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148

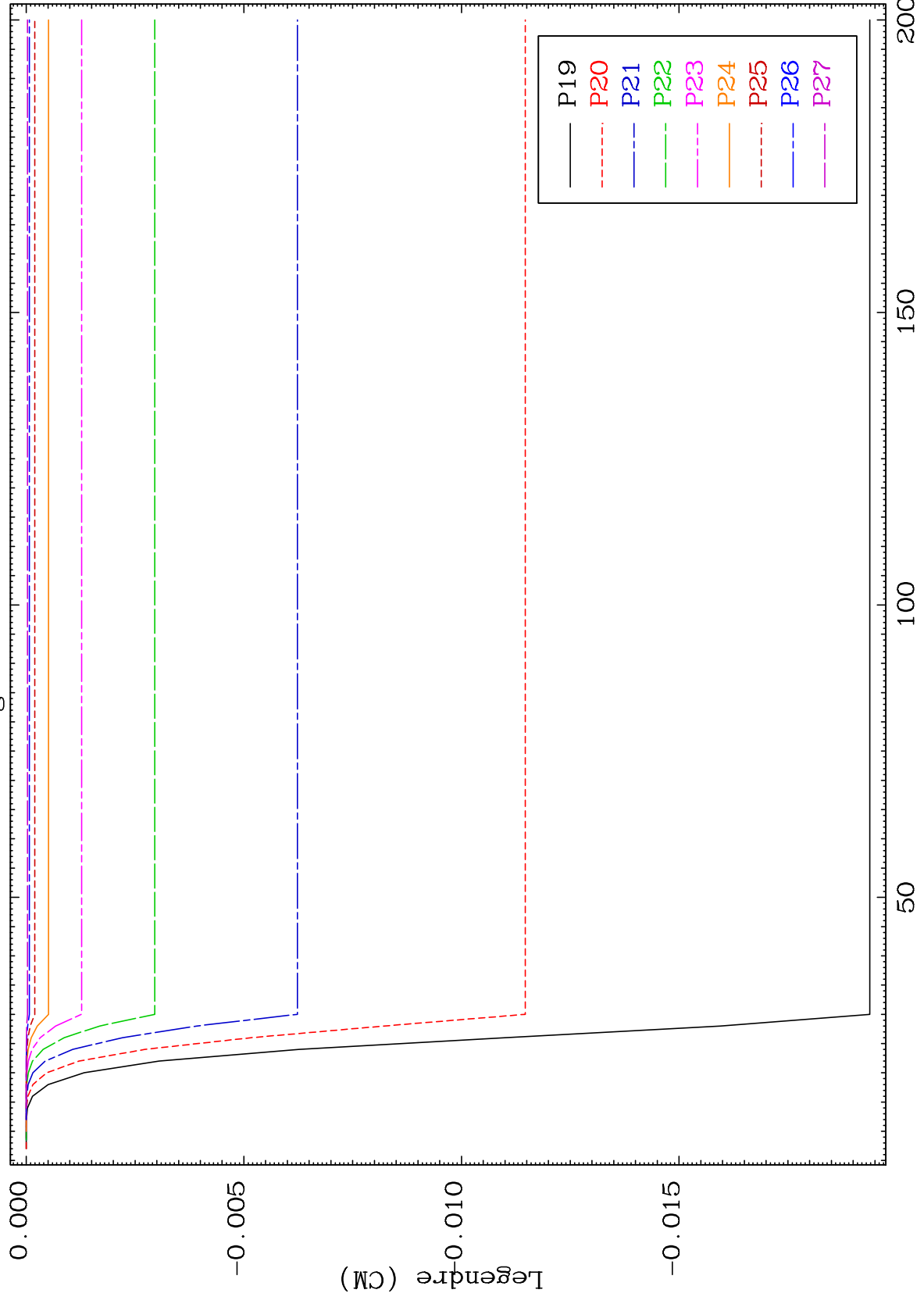


108

Incident Energy (MeV)

64-Gd-148

MAT 6413 MT= 74 (n,n') Level Legendre Coefficients 64-Gd-148

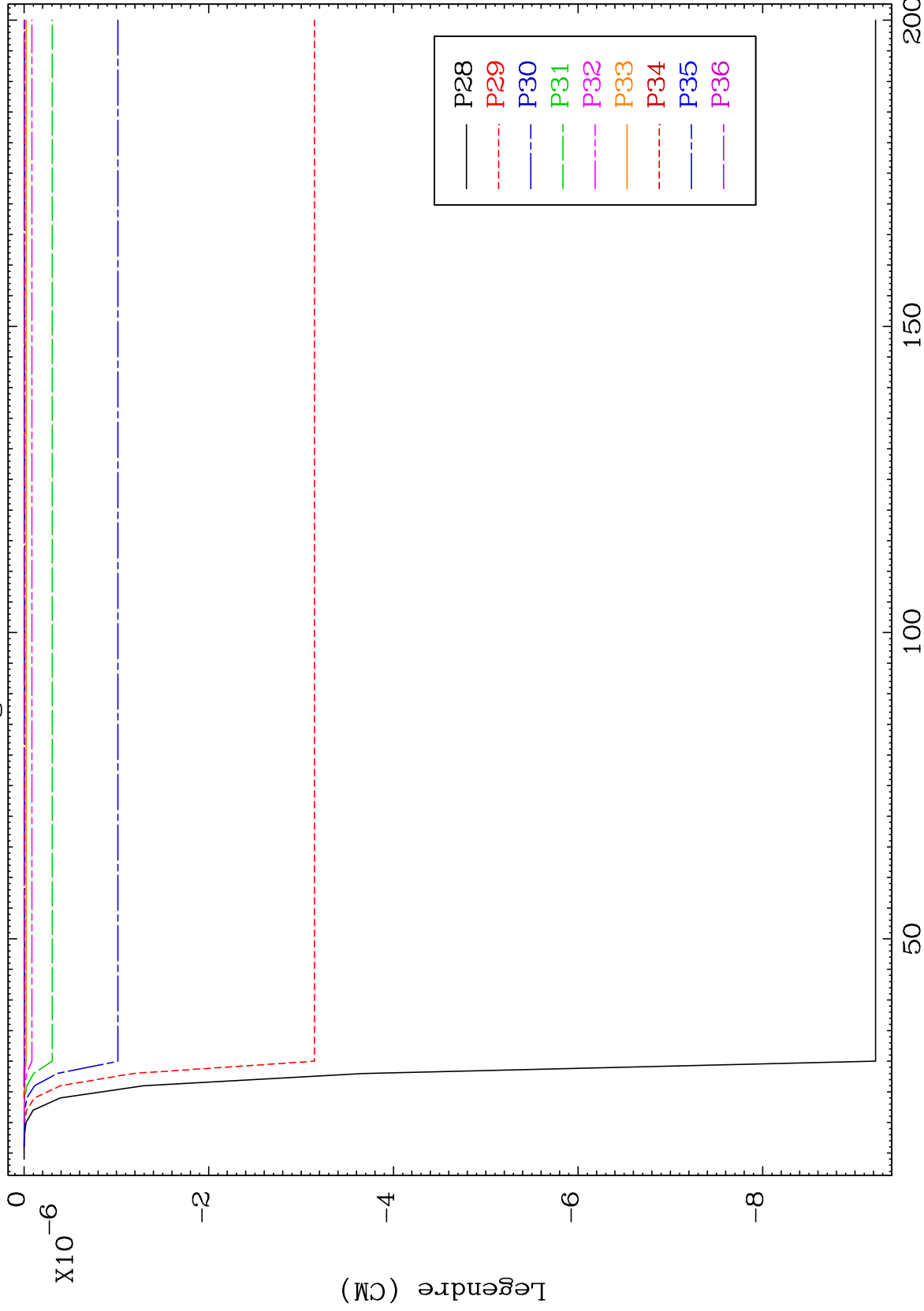


109 64-Gd-148

MAT 6413

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

64-Gd-148



64-Gd-148

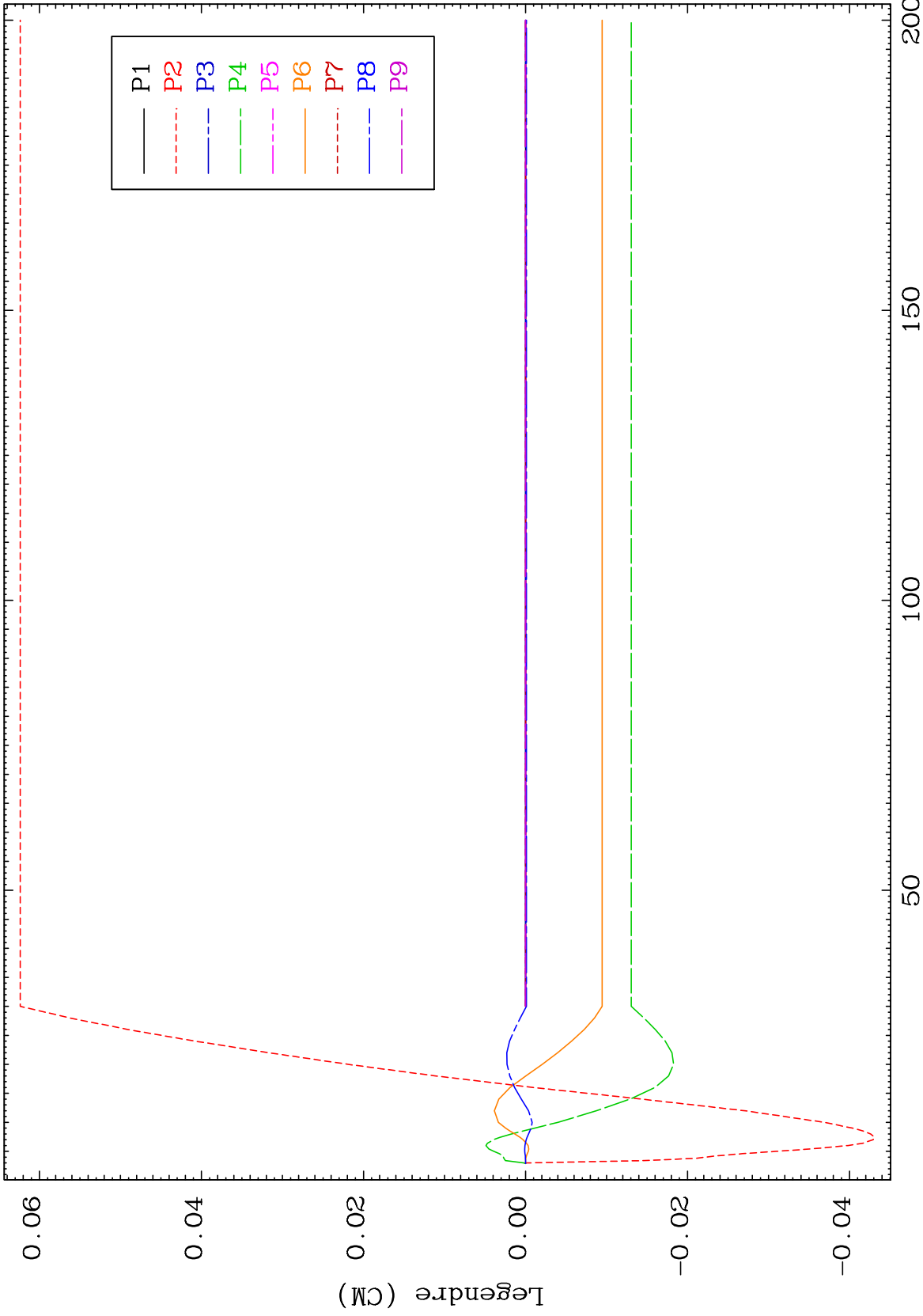
Incident Energy (MeV)

110

MAT 6413

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

64-Gd-148



111

Incident Energy (MeV)

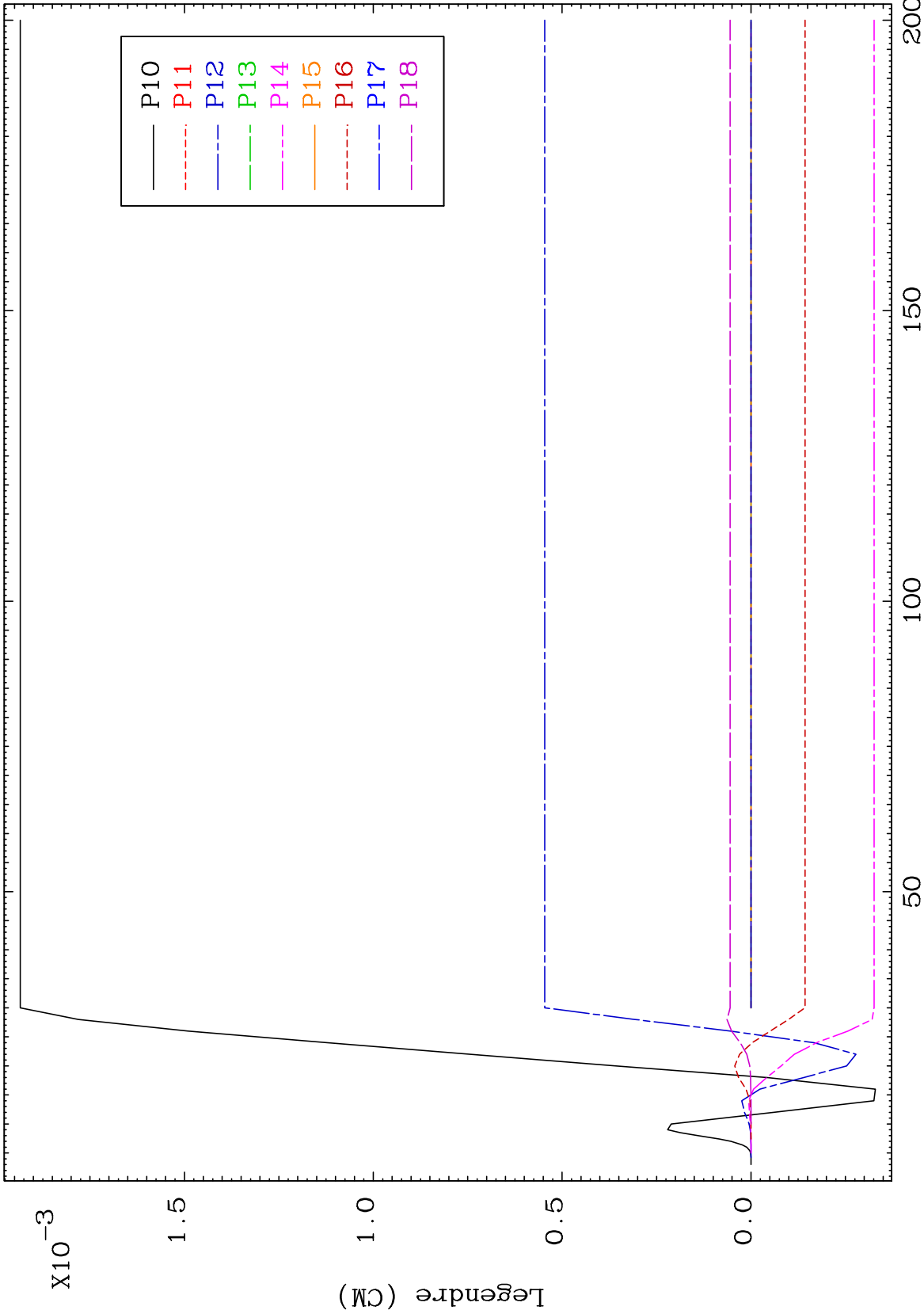
64-Gd-148



MAT 6413

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

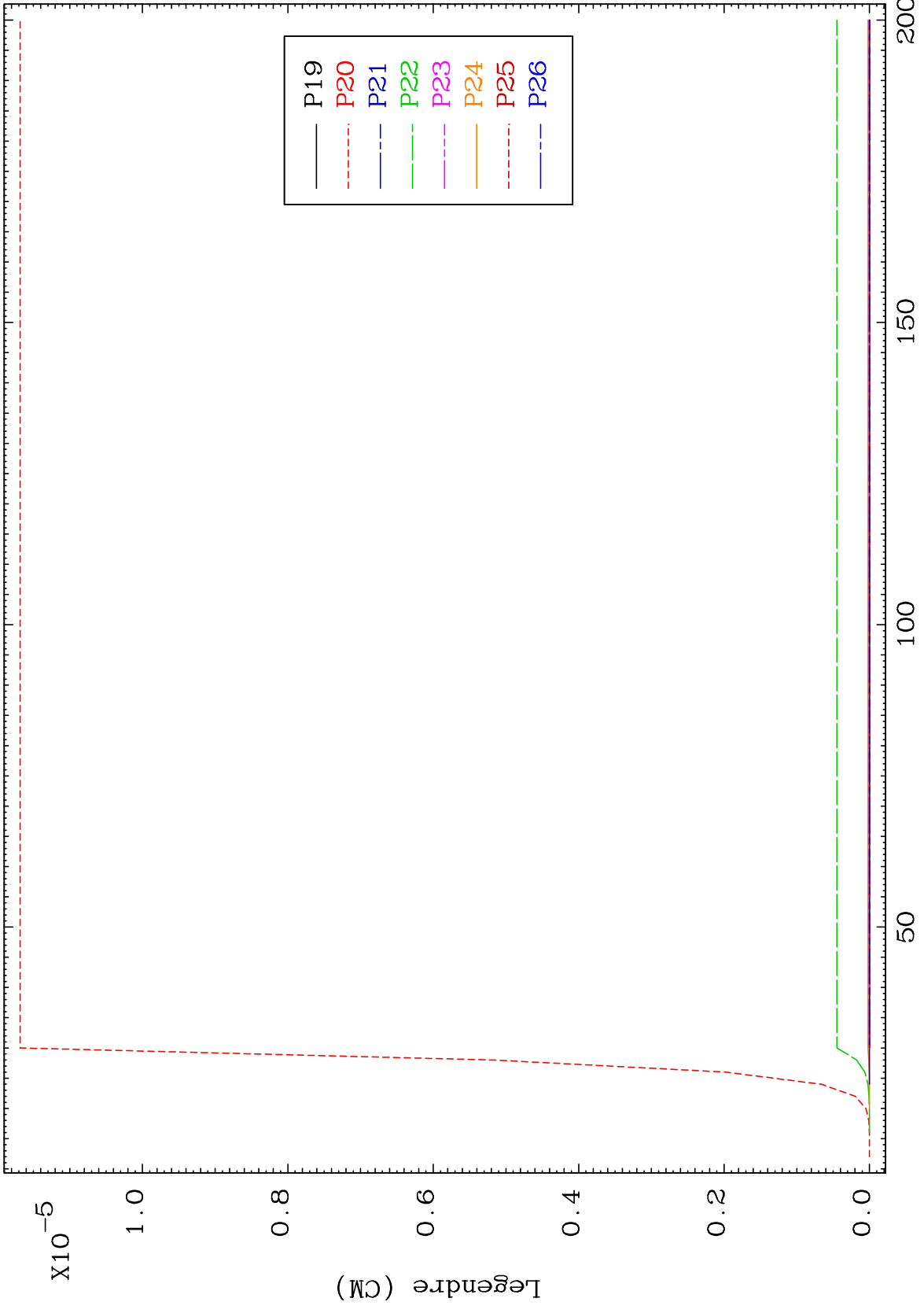
64-Gd-148



112

64-Gd-148

MAT 6413 MT= 75 (n,n') Level Legendre Coefficients 64-Gd-148

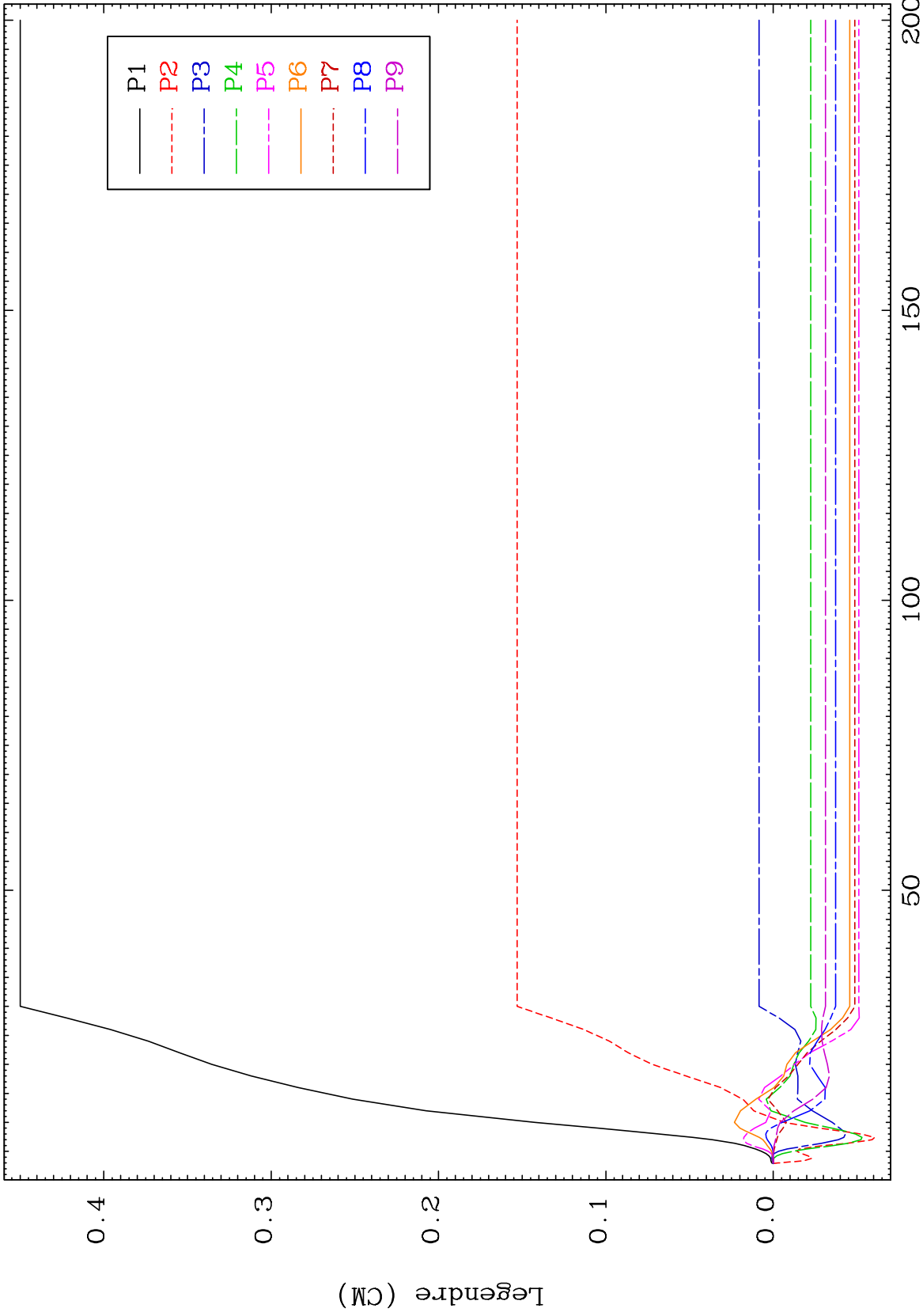


113 64-Gd-148

MAT 6413

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

64-Gd-148

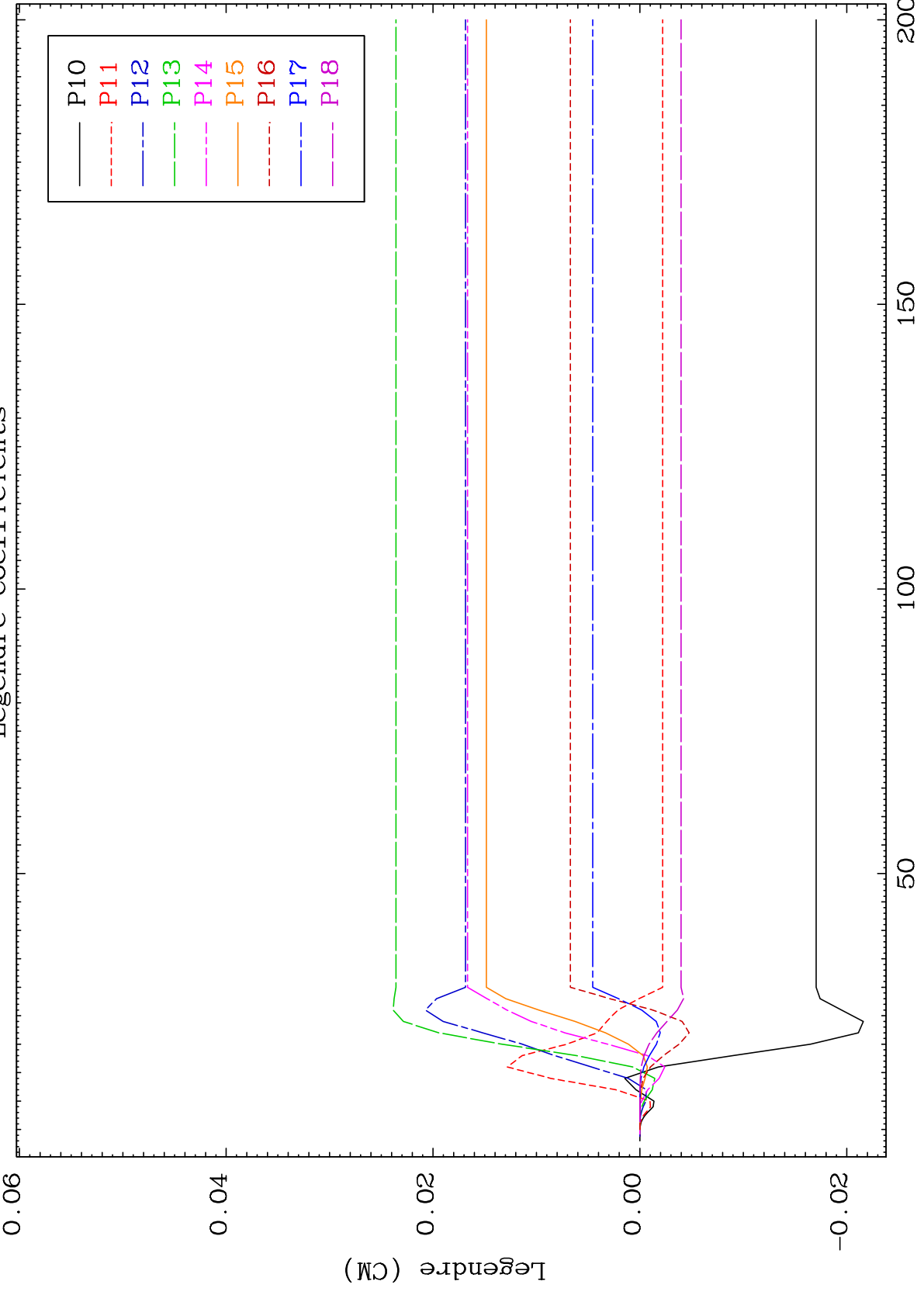


114

Incident Energy (MeV)

64-Gd-148

MAT 6413 MT= 76 (n,n') Level Legendre Coefficients 64-Gd-148

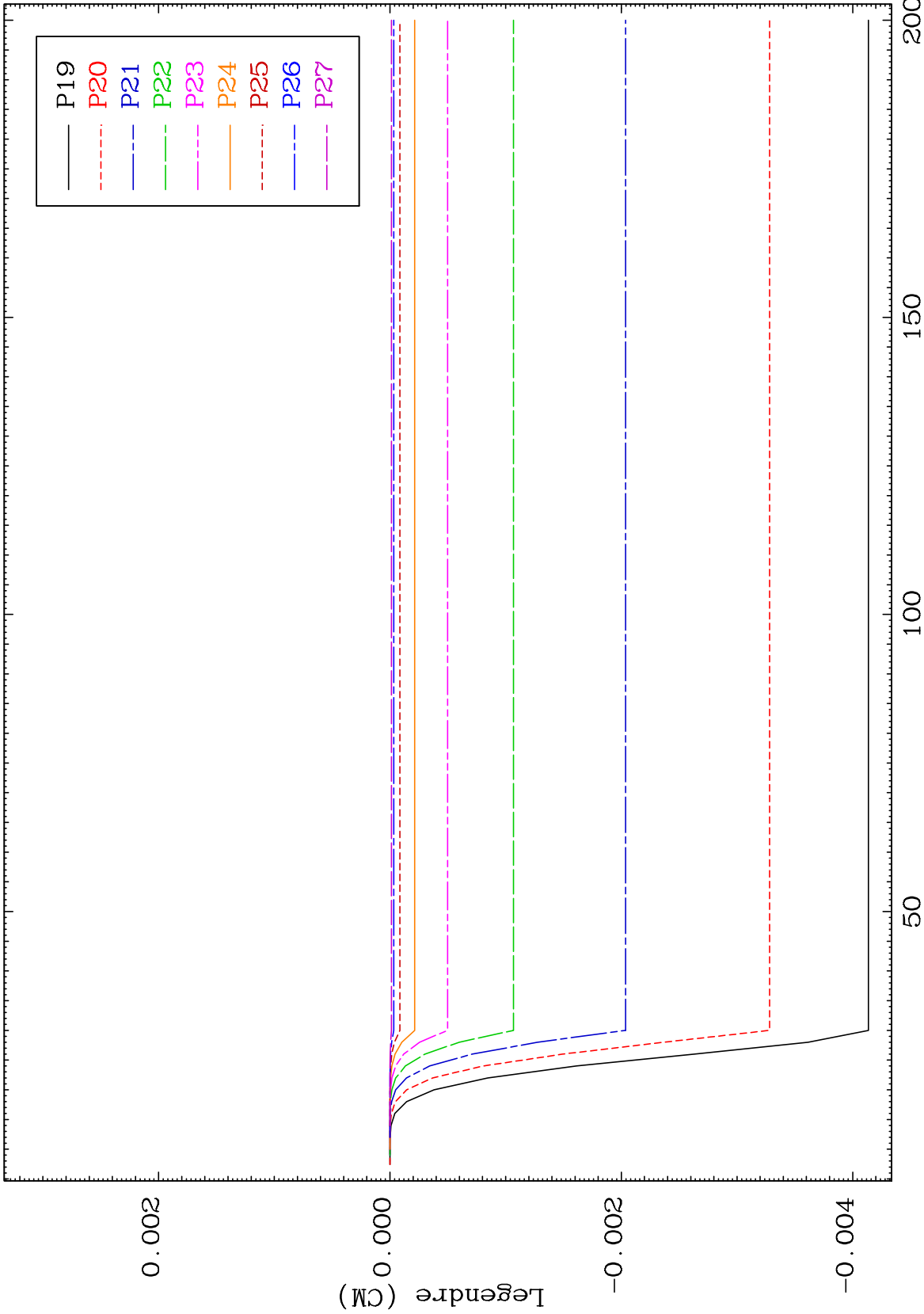


115 64-Gd-148

MAT 6413

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

64-Gd-148



116

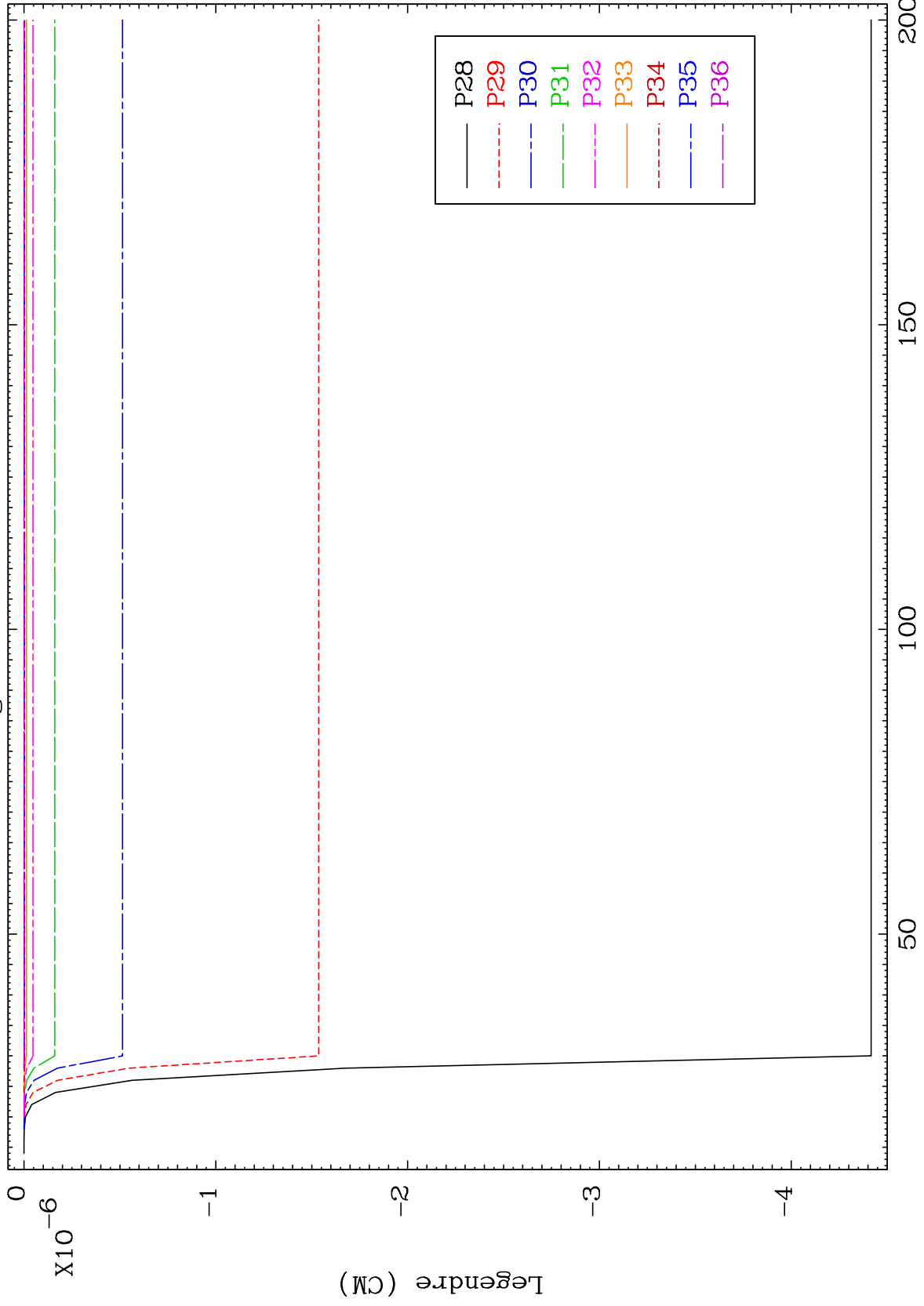
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



64-Gd-148

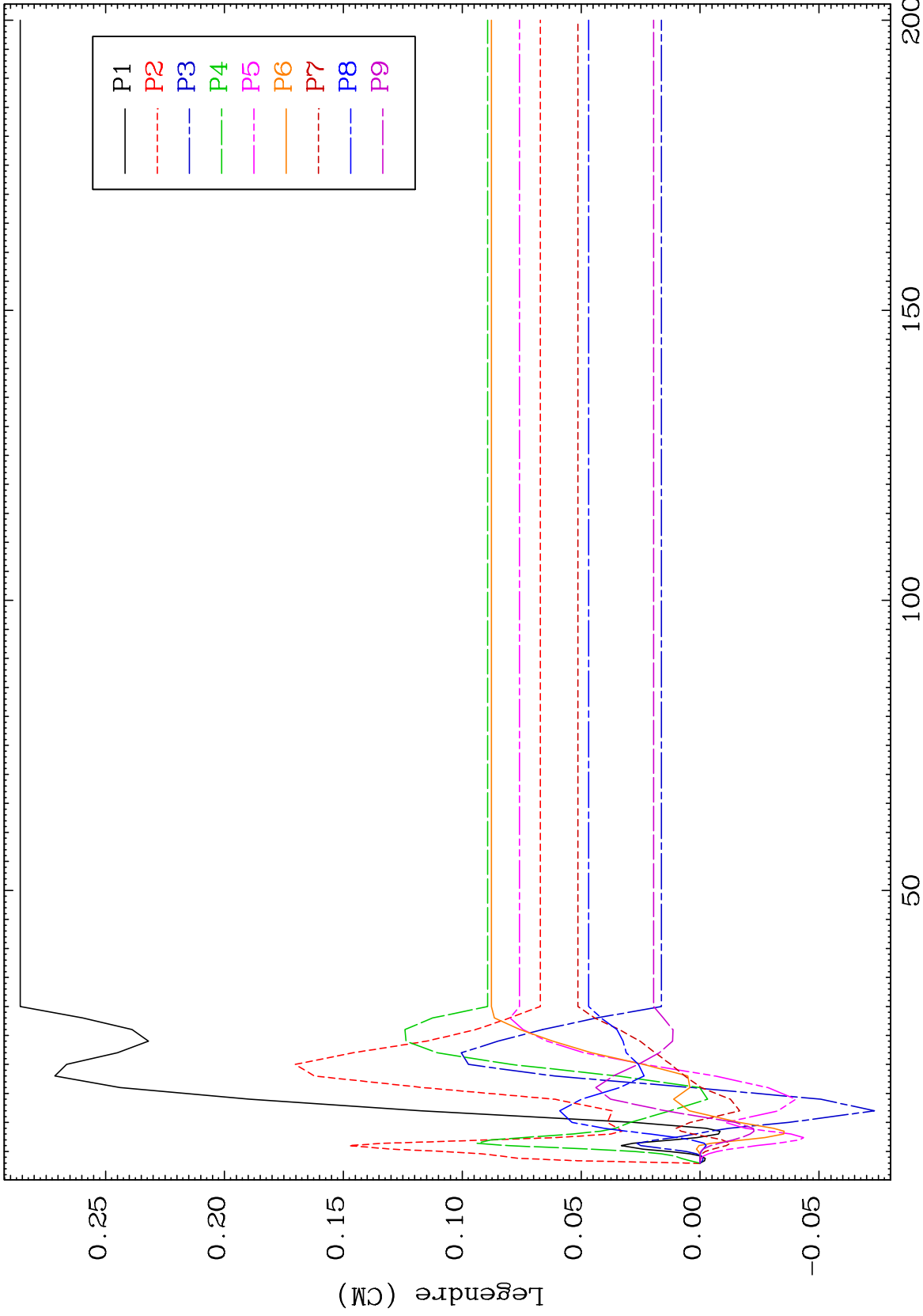
Incident Energy (MeV)

117

MAT 6413

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

64-Gd-148



118

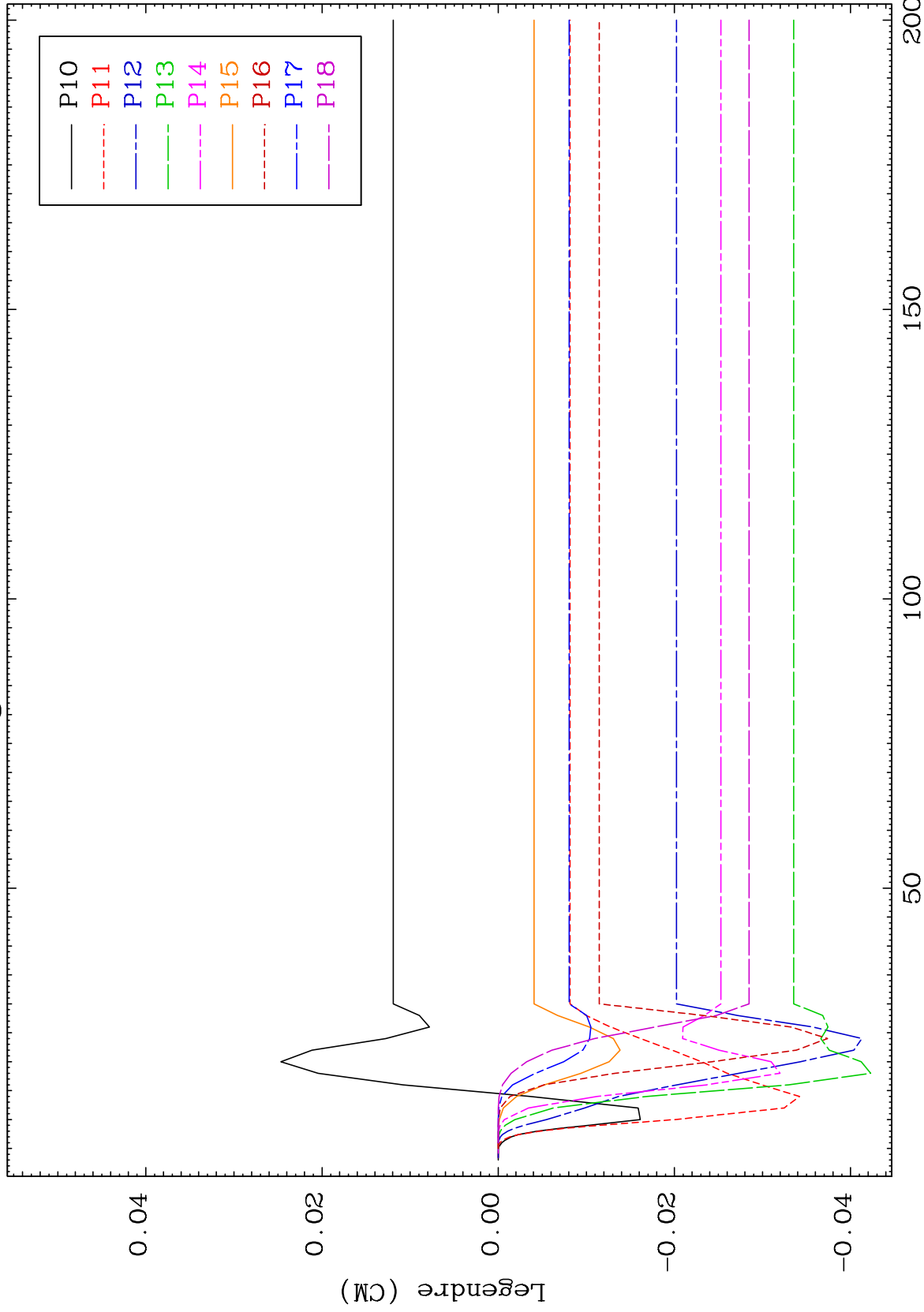
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



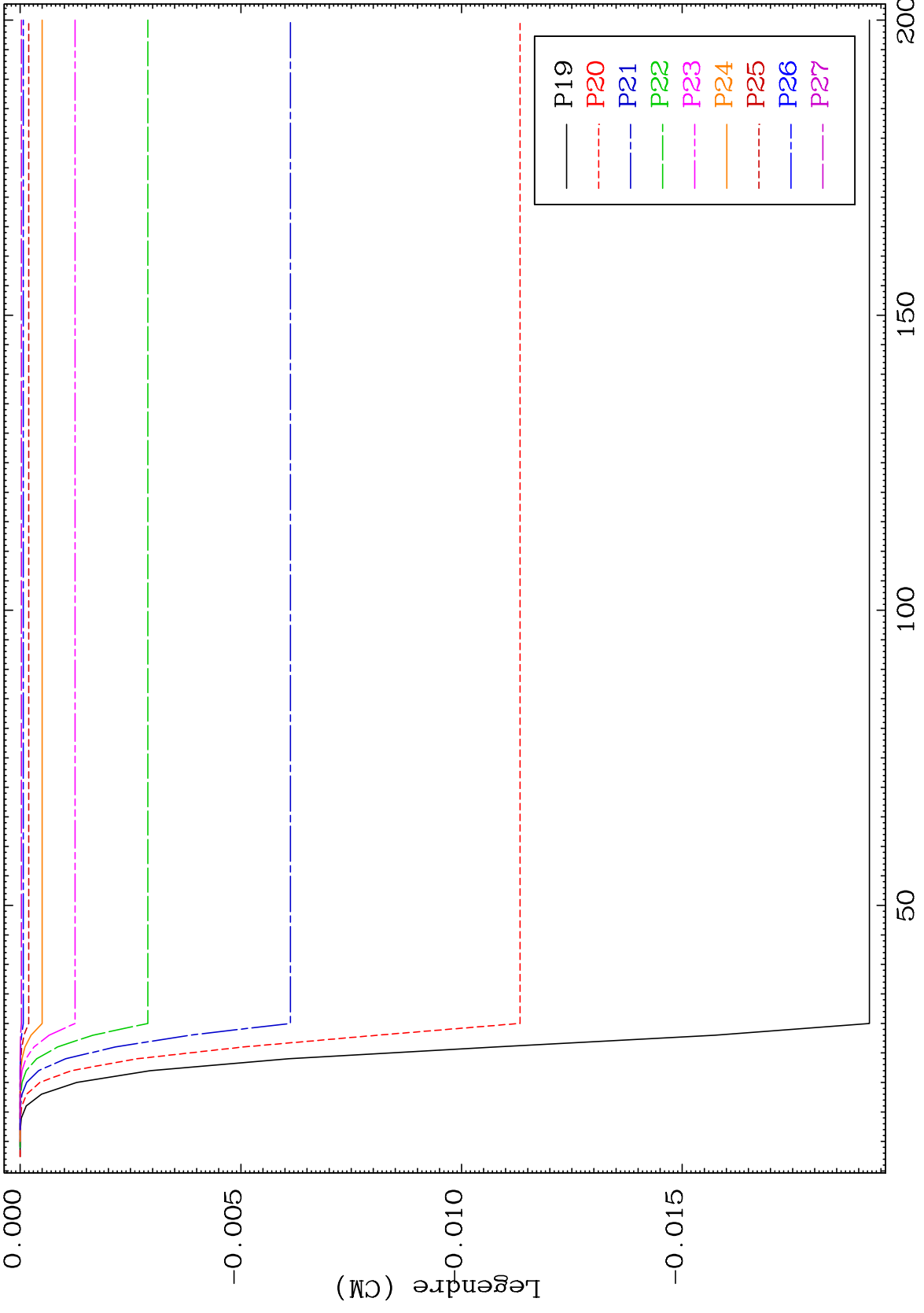
119

Incident Energy (MeV)

64-Gd-148



MAT 6413 MT= 77 (n,n') Level Legendre Coefficients 64-Gd-148

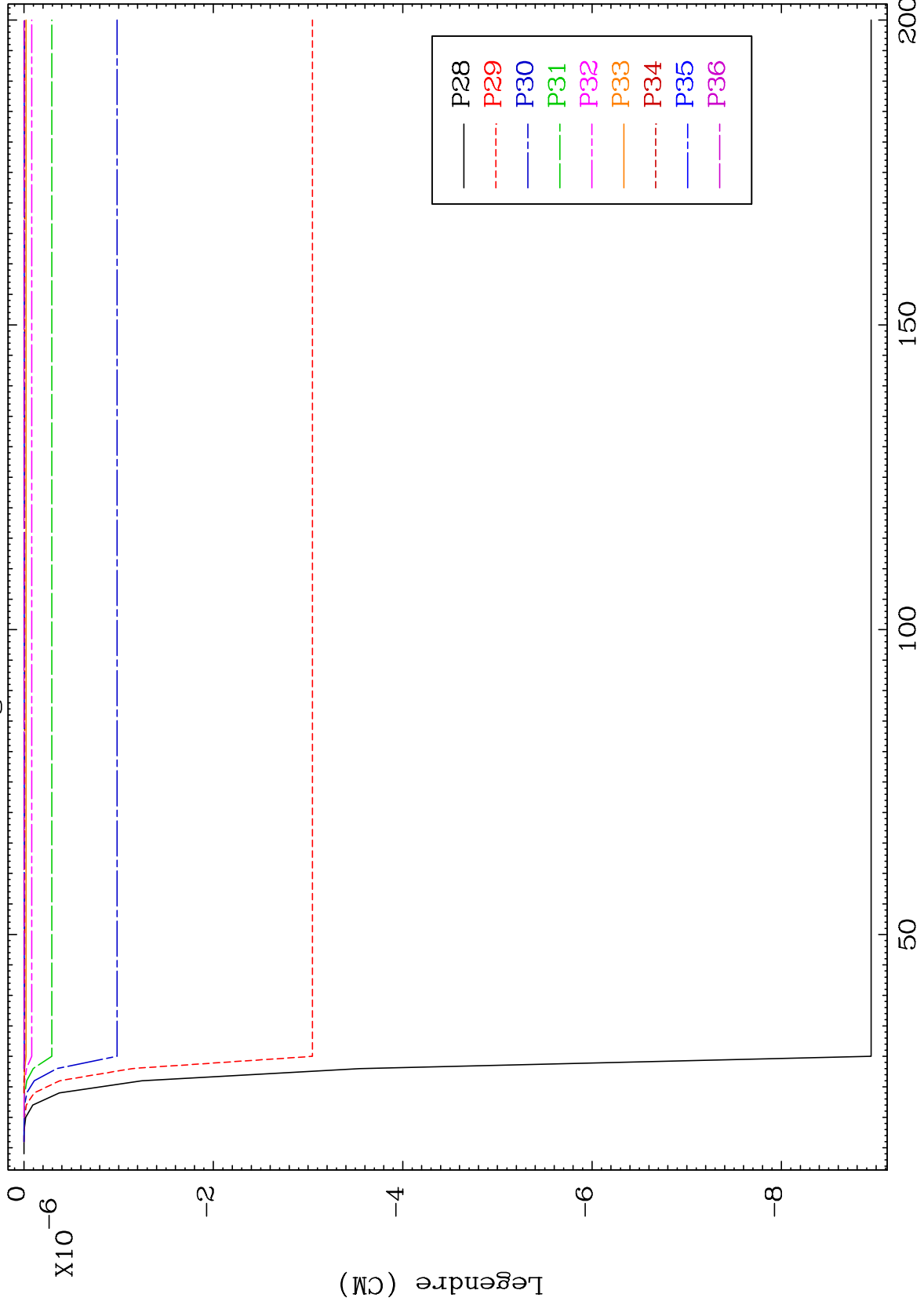


120 Incident Energy (MeV) 64-Gd-148

MAT 6413

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

64-Gd-148



64-Gd-148

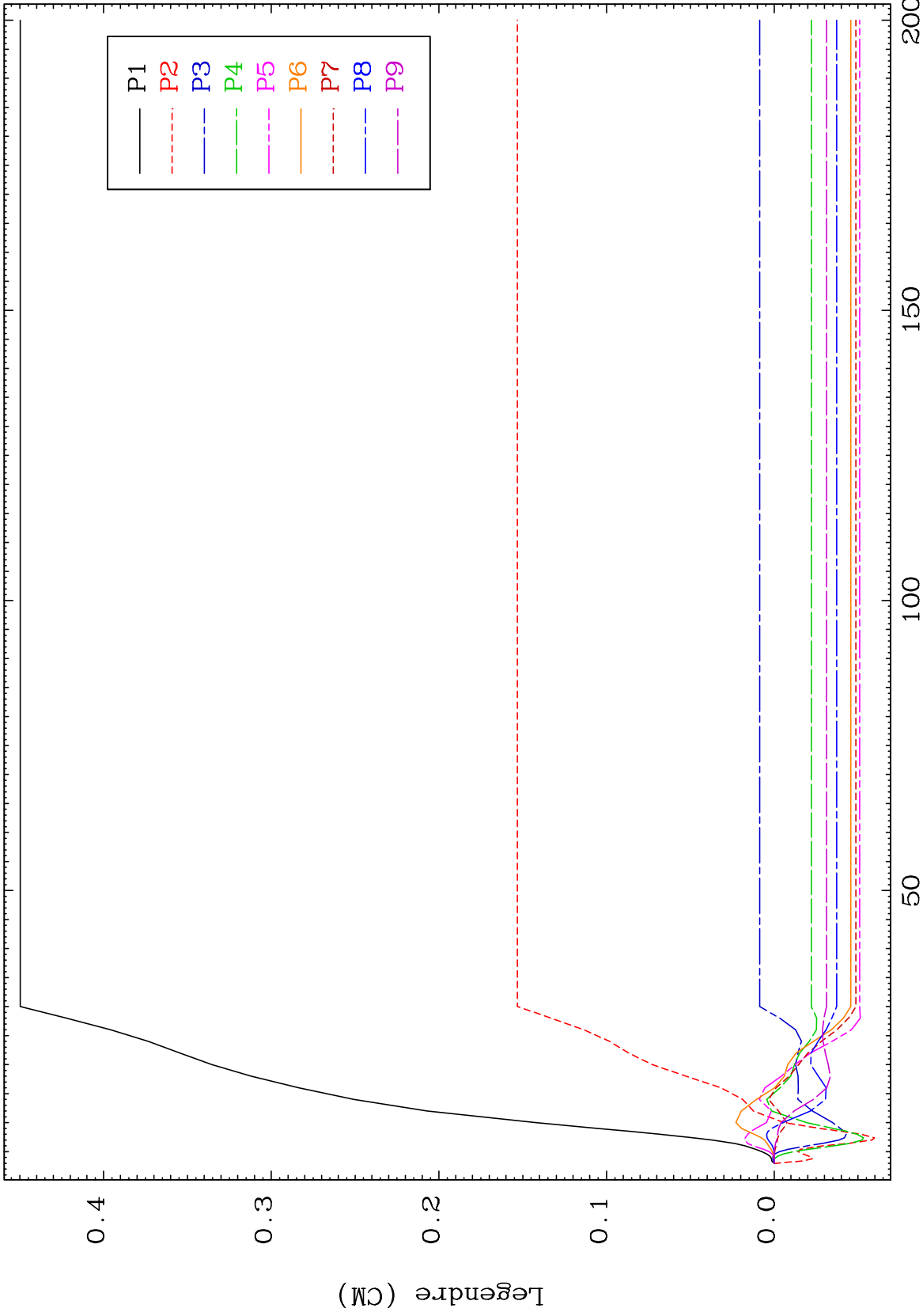
Incident Energy (MeV)

121

MAT 6413

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

64-Gd-148

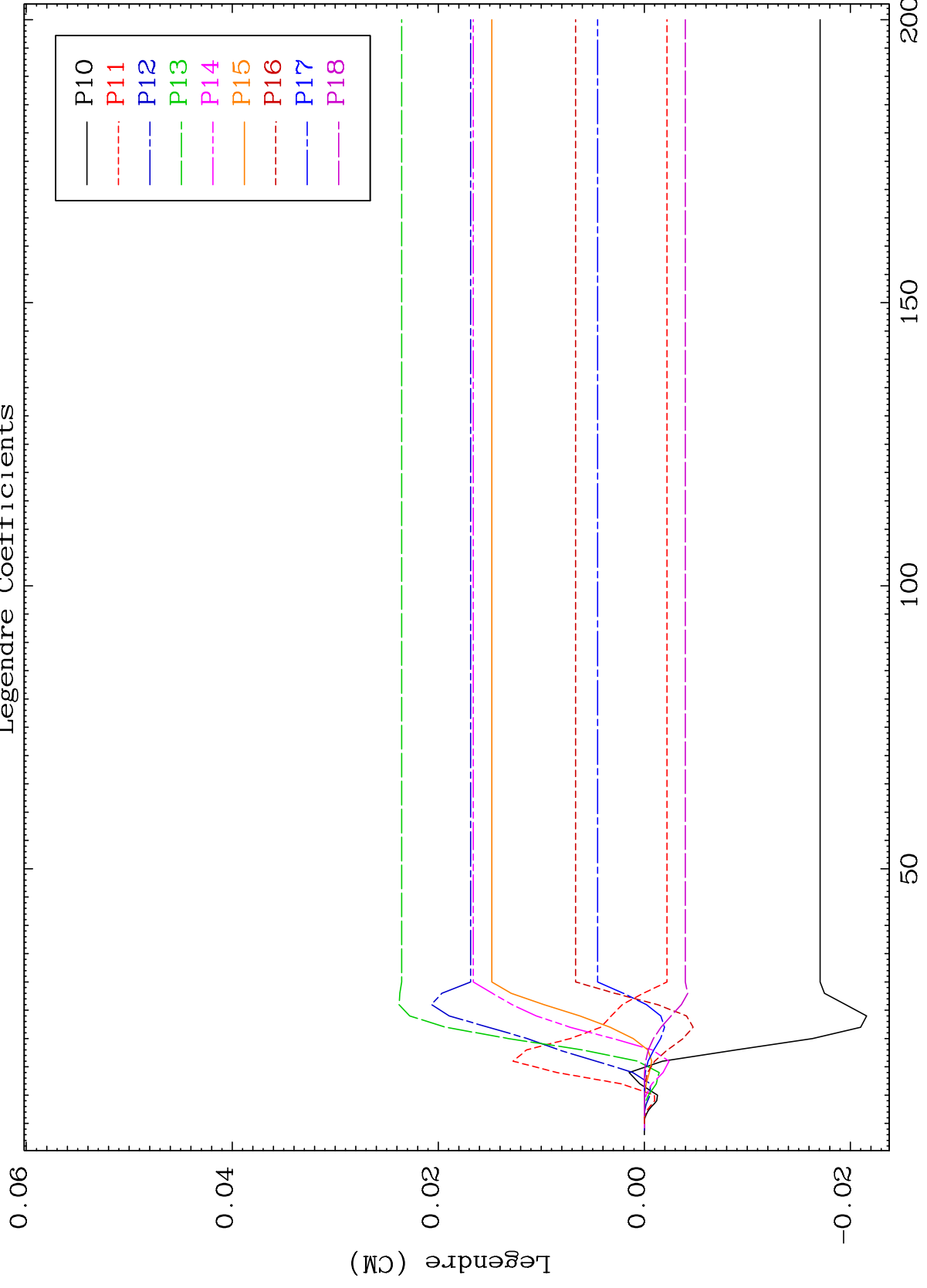


122

Incident Energy (MeV)

64-Gd-148

MAT 6413 MT= 78 (n,n') Level Legendre Coefficients 64-Gd-148

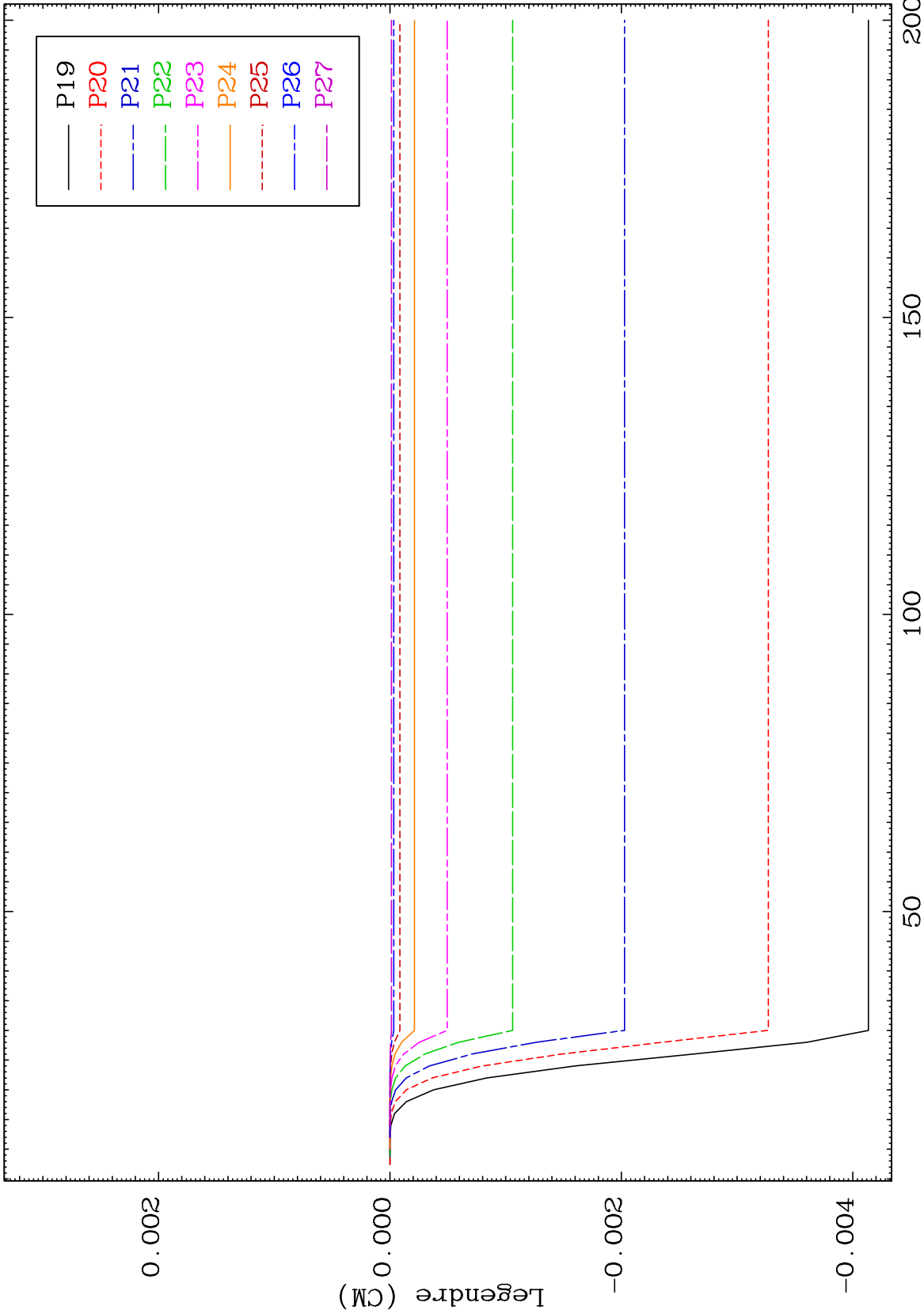


123 64-Gd-148

MAT 6413

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

64-Gd-148



124

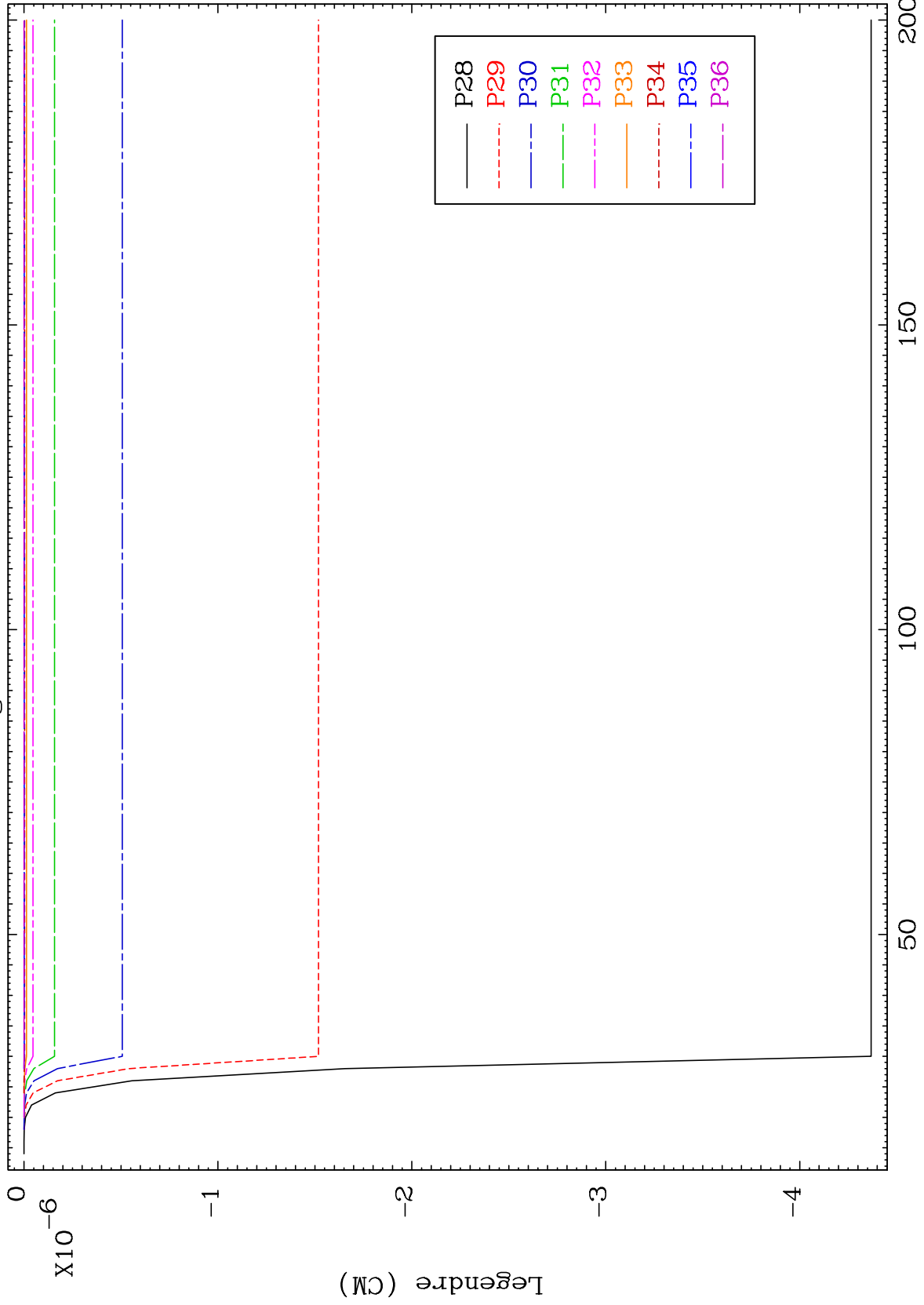
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

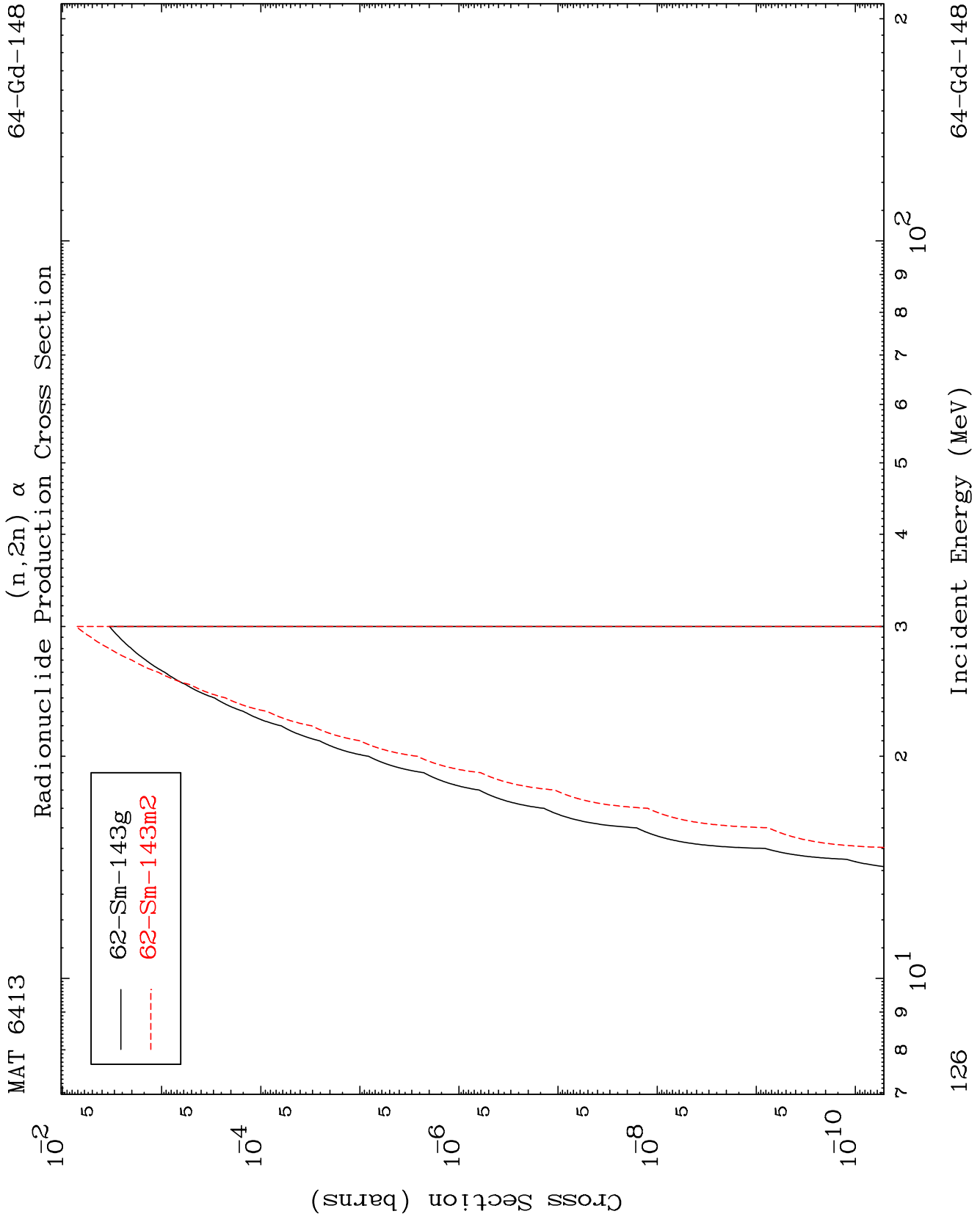
64-Gd-148



64-Gd-148

Incident Energy (MeV)

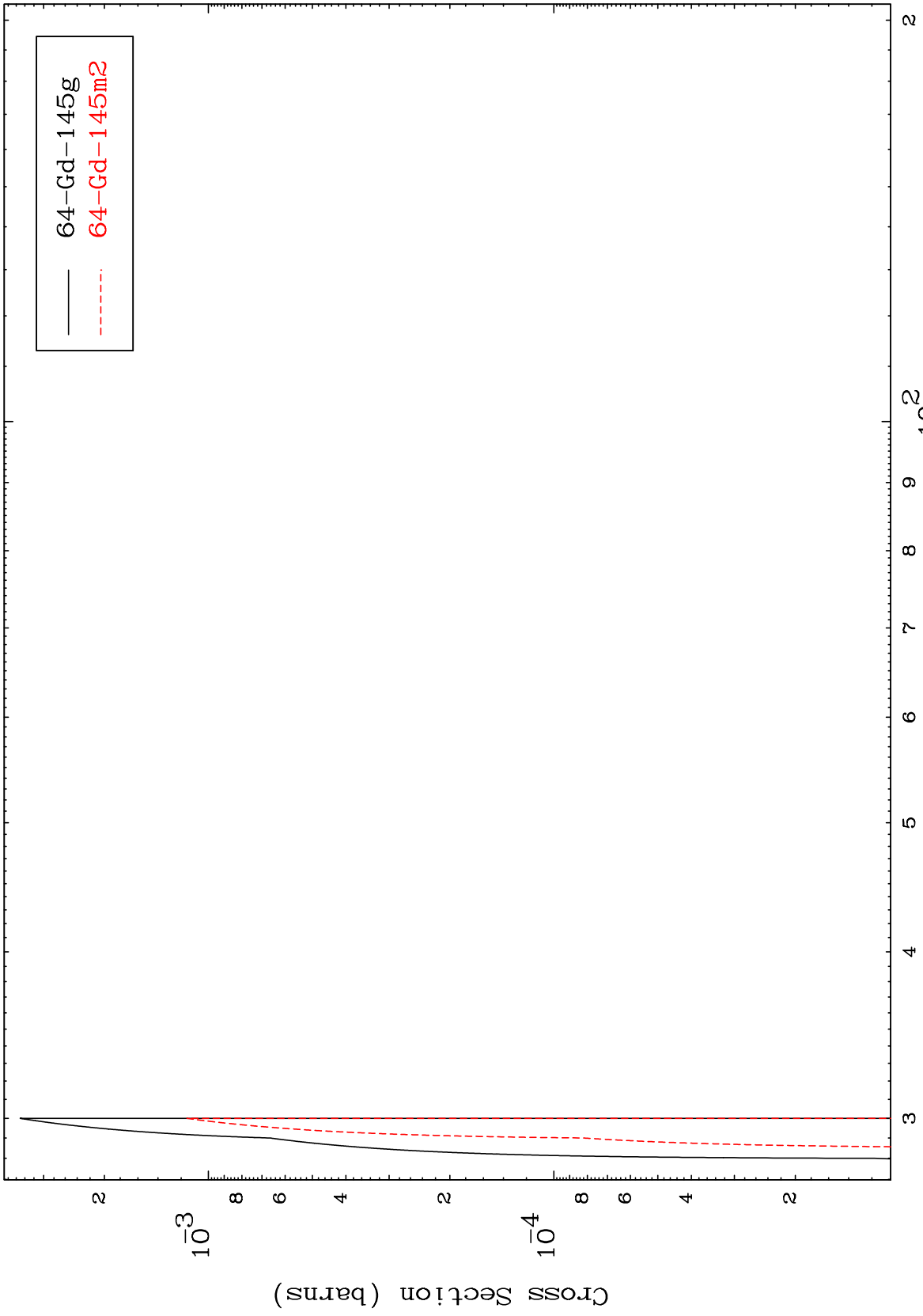
125



MAT 6413

64-Gd-148

(n,4n)  
Radionuclide Production Cross Section



127

64-Gd-148

Incident Energy (MeV)

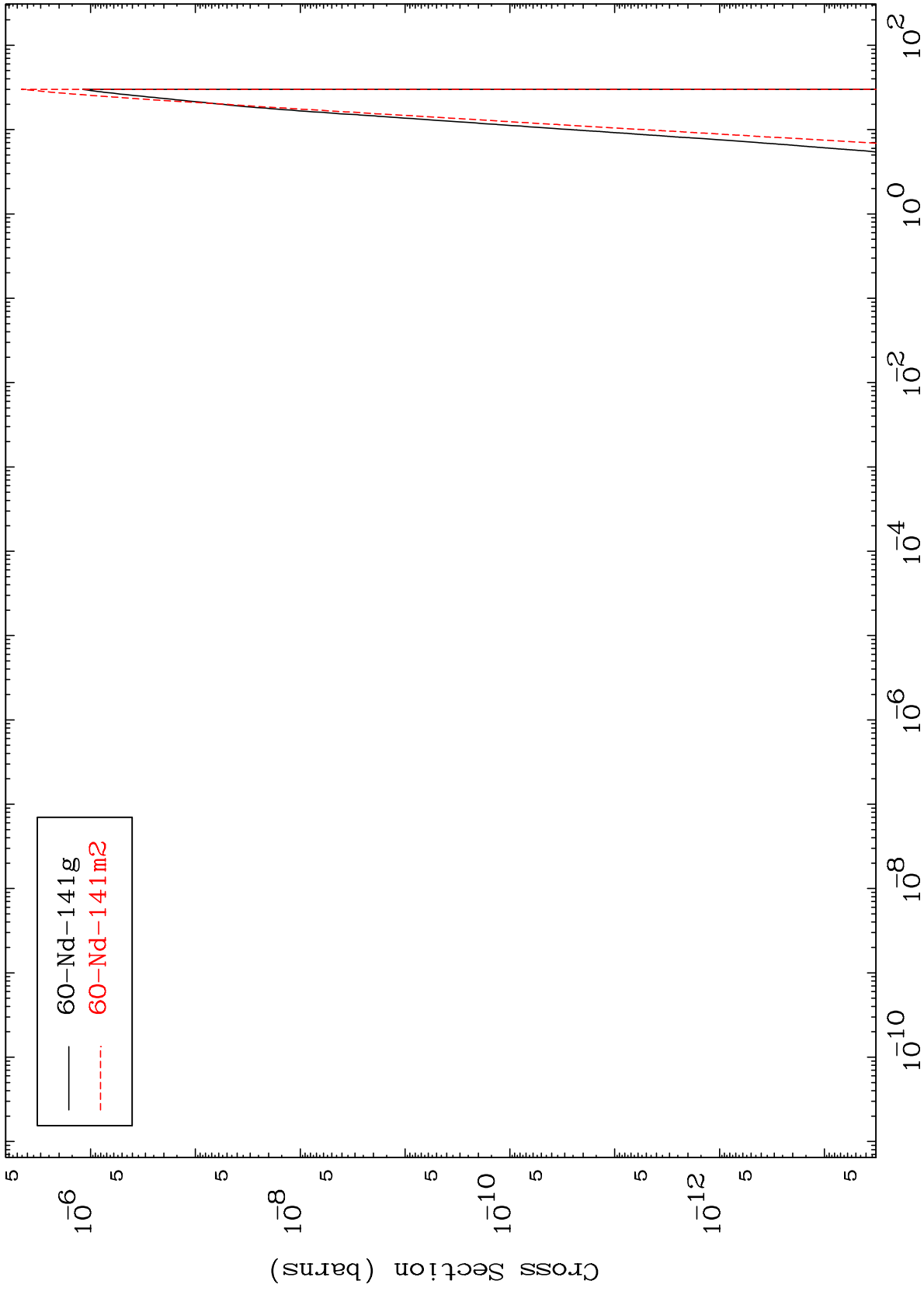


MAT 6413

(n,2α)

64-Gd-148

Radionuclide Production Cross Section



128

Incident Energy (MeV)

64-Gd-148