

Program EVALPLOT
(Version 2018-1)

by

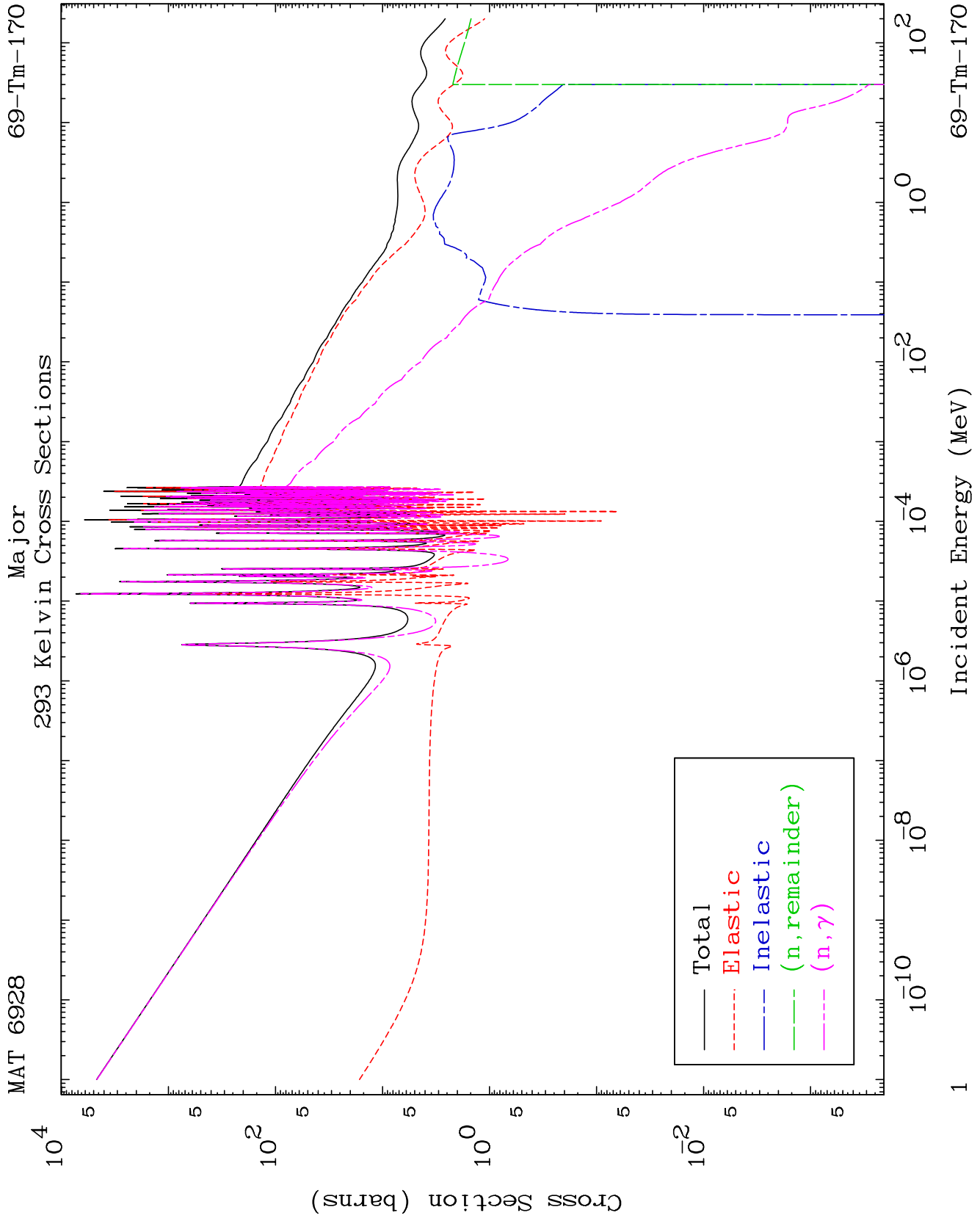
Dermott E. Cullen
(Present Contact Information)

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E.Mail:redcullen1@comcast.net
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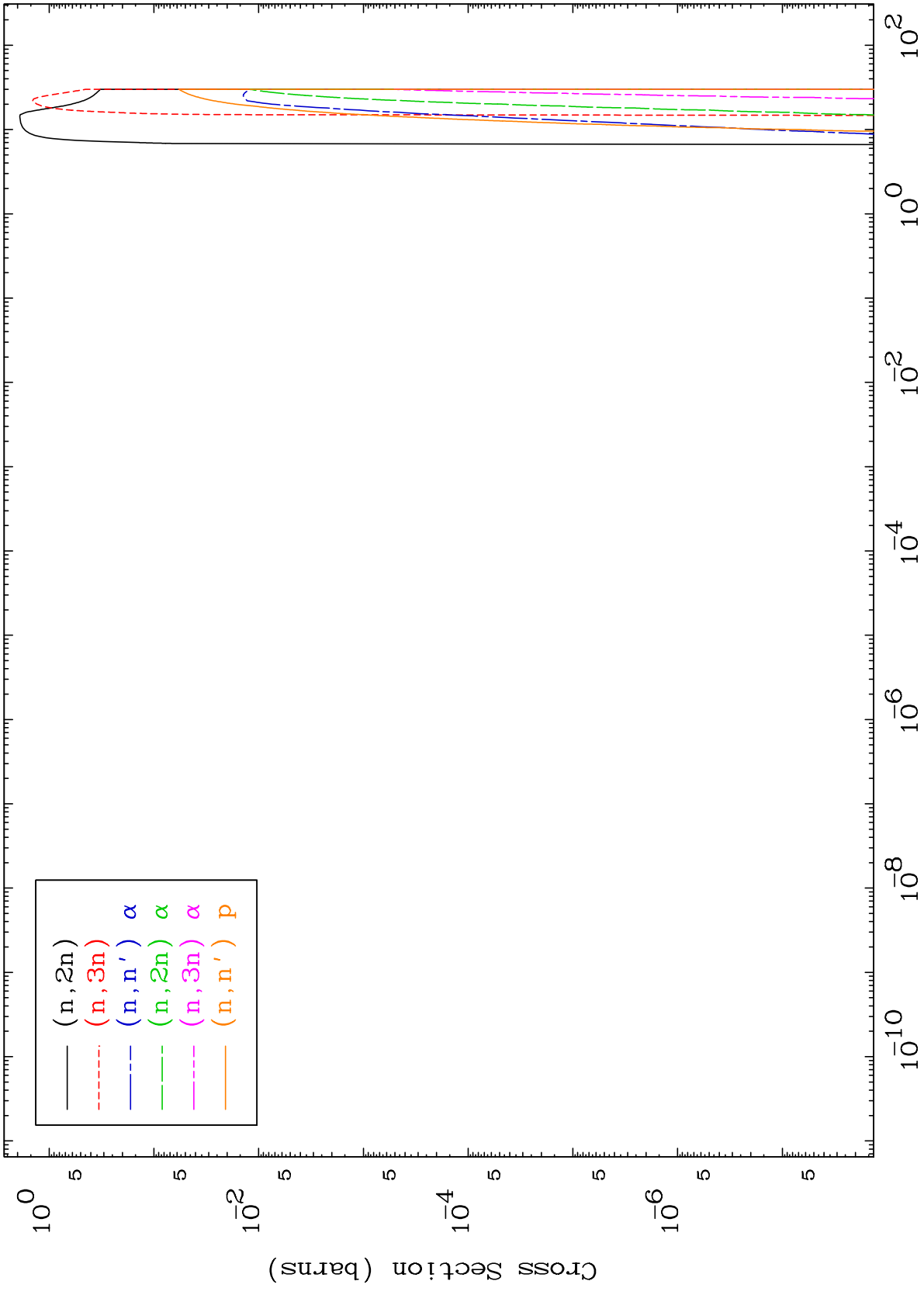
Press Mouse Button to Start



MAT 6928

Neutron Production
293 Kelvin Cross Sections

69-Tm-170

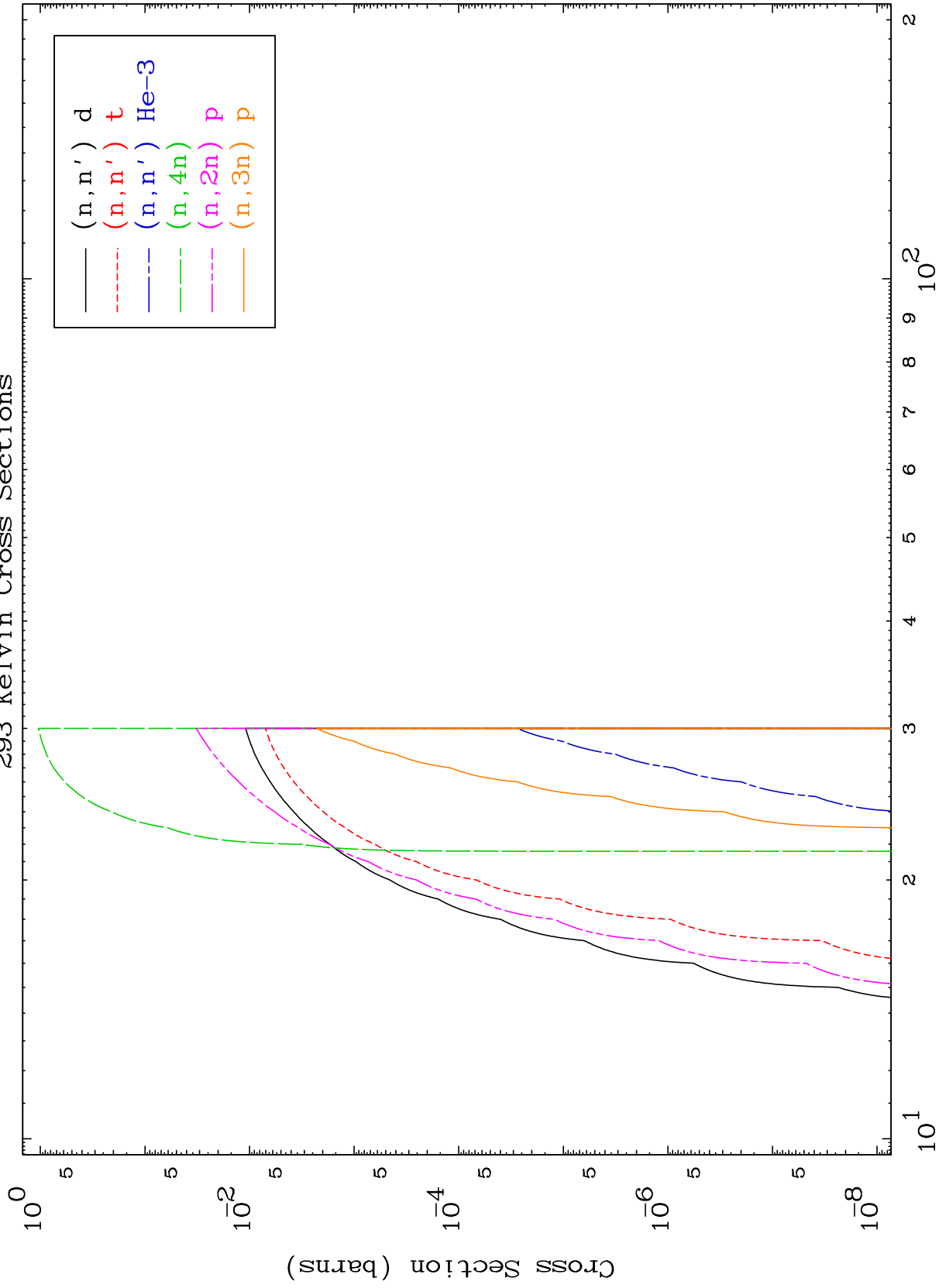


69-Tm-170

MAT 6928

Neutron Production
293 Kelvin Cross Sections

69-Tm-170



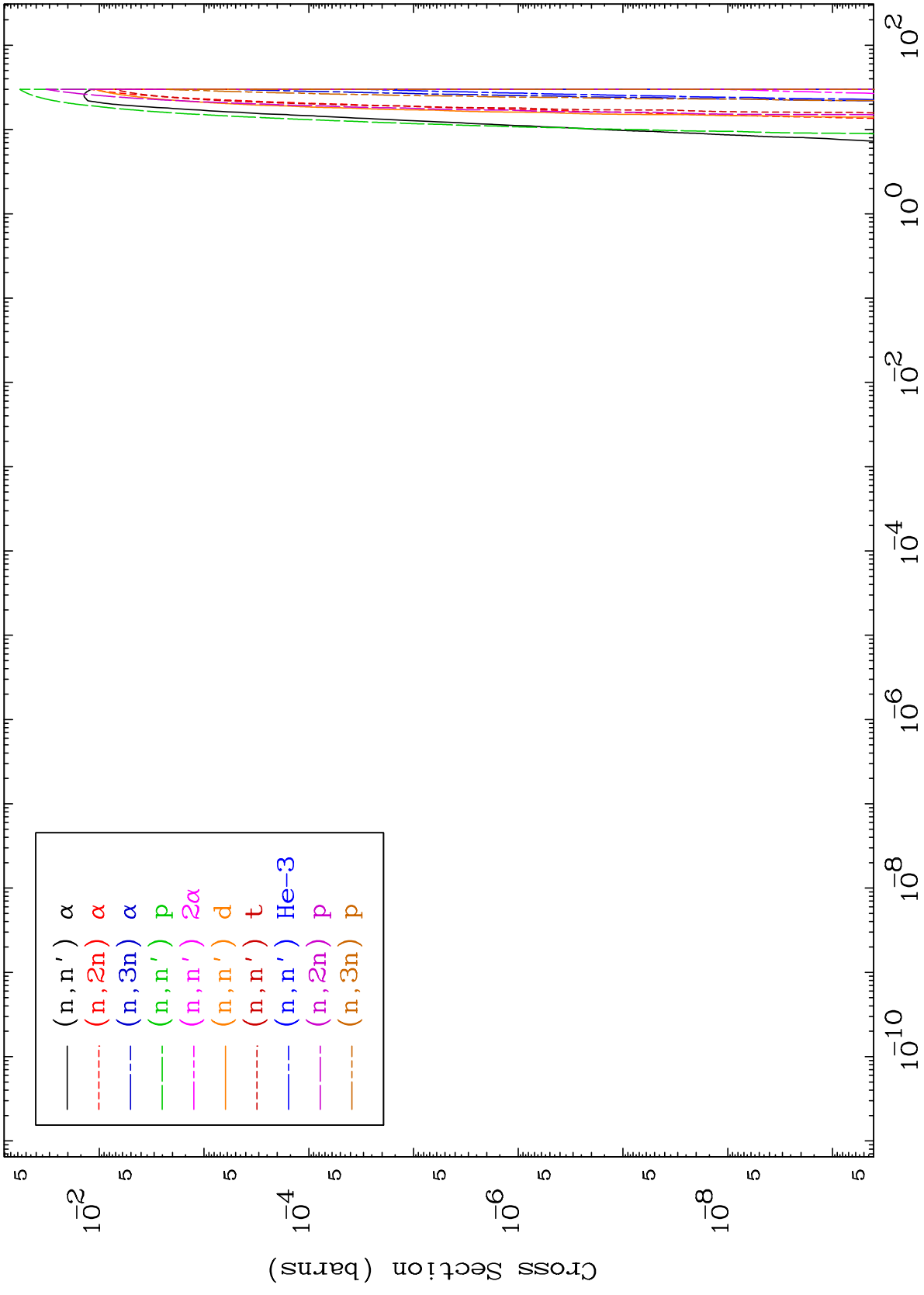
Incident Energy (MeV)

69-Tm-170

MAT 6928

293 Kelvin Cross Sections

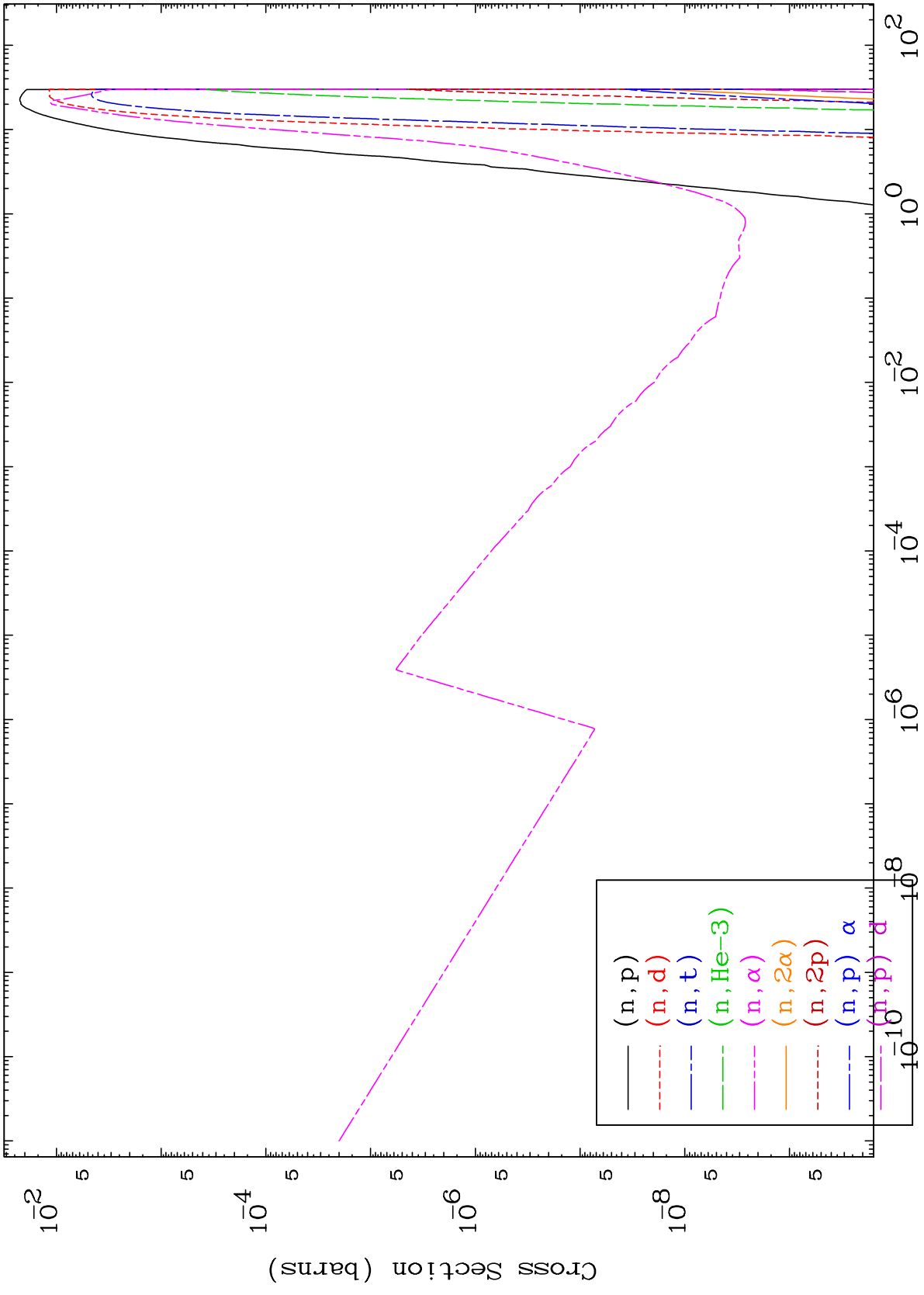
69-Tm-170



MAT 6928

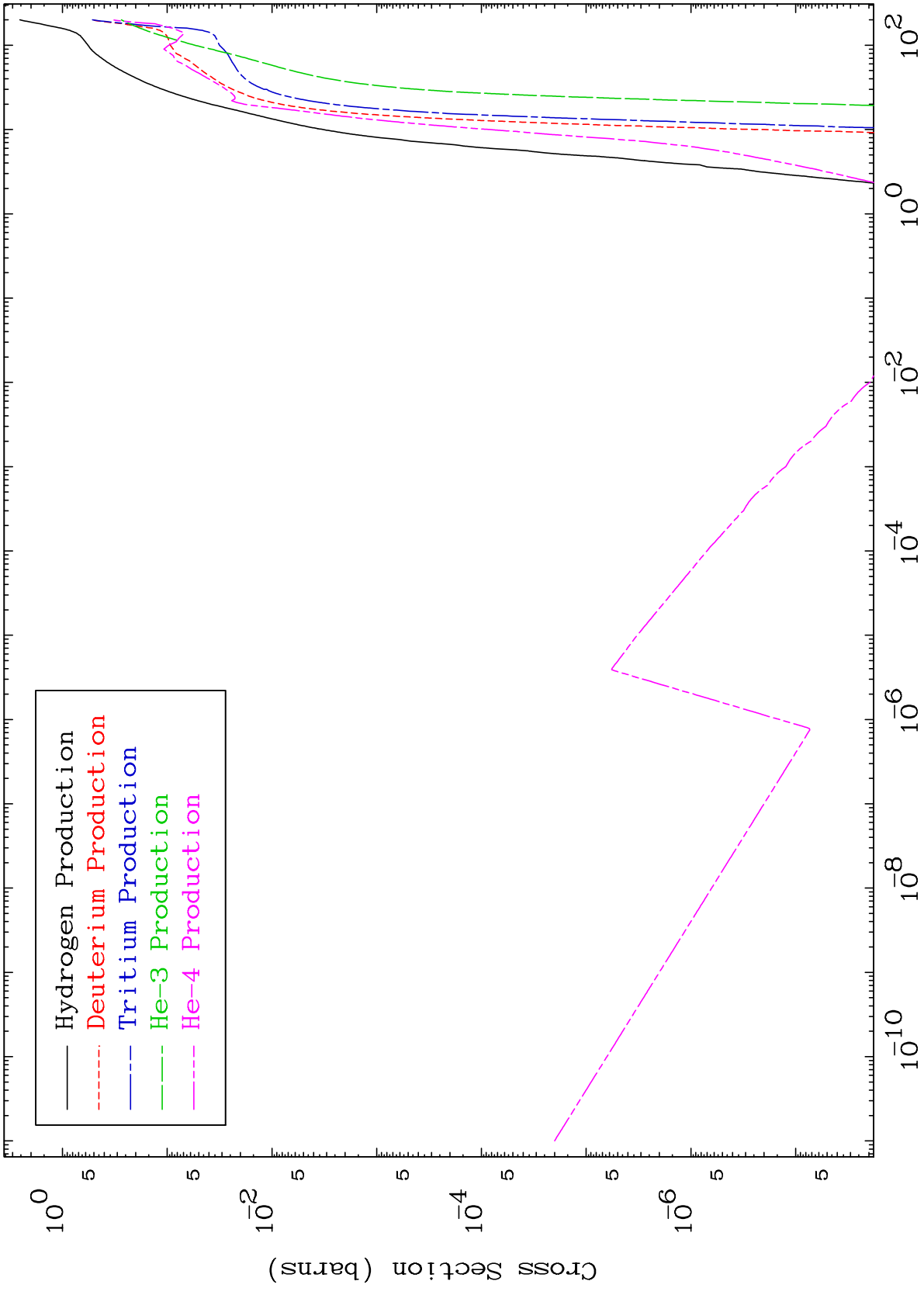
Charged Particle
293 Kelvin Cross Sections

69-Tm-170



69-Tm-170

Incident Energy (MeV)

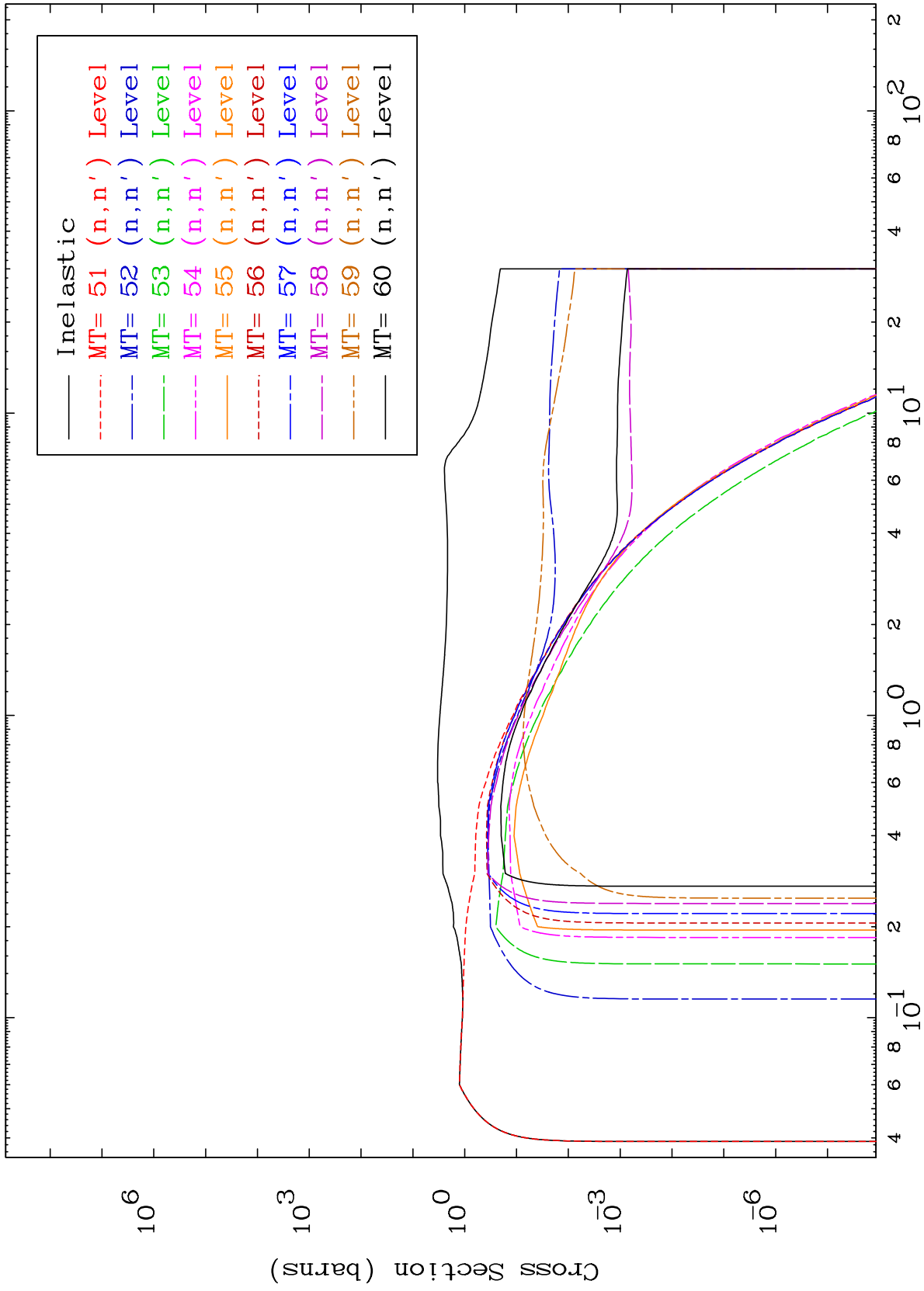


MAT 6928

(n,n') Level

69-Tm-170

293 Kelvin Cross Sections



7

Incident Energy (MeV)

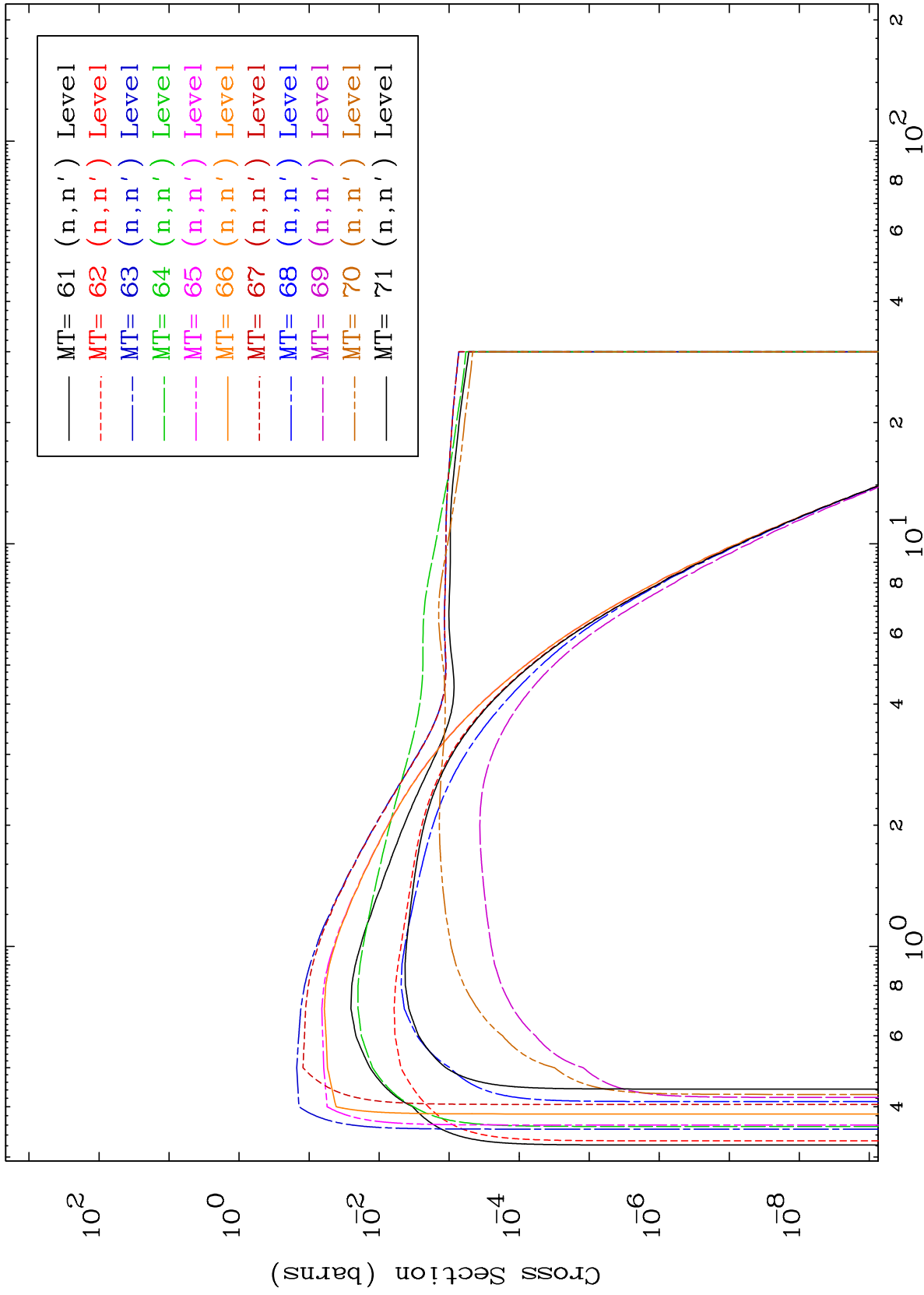
69-Tm-170

MAT 6928

(n,n') Level

69-Tm-170

293 Kelvin Cross Sections



8

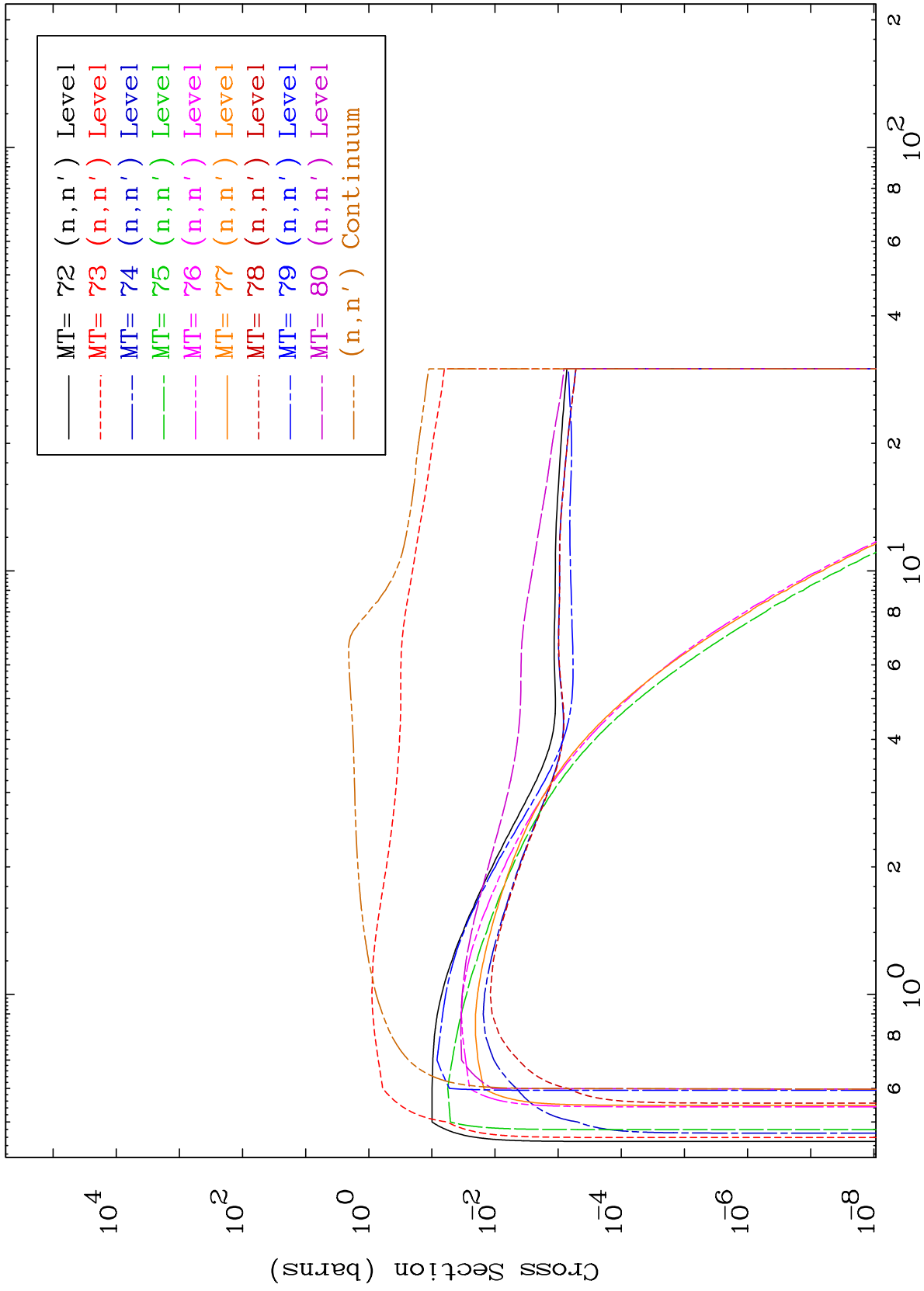
Incident Energy (MeV)

69-Tm-170

MAT 6928

(n,n') Level
293 Kelvin Cross Sections

69-Tm-170



9

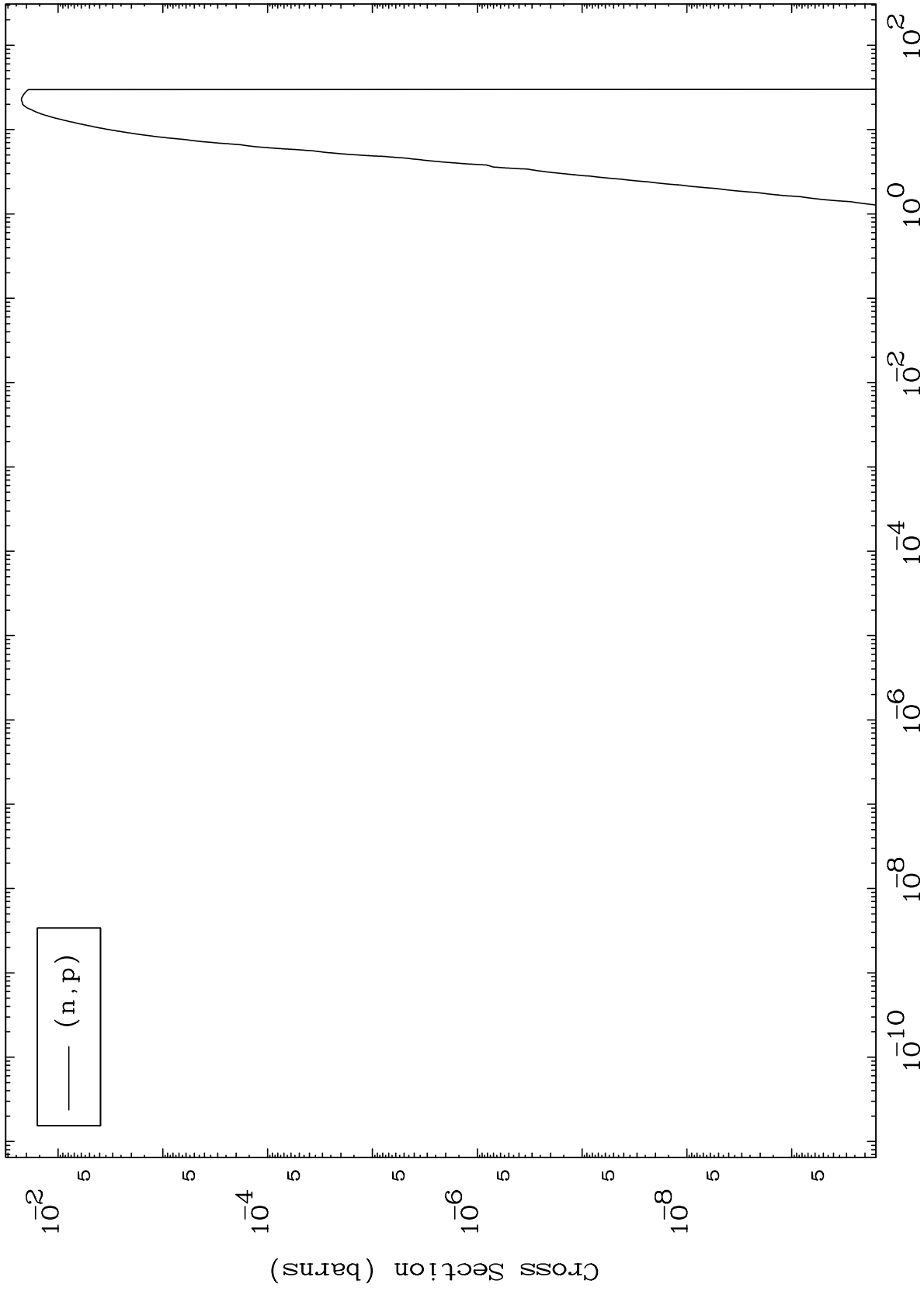
Incident Energy (MeV)

69-Tm-170

MAT 6928

(n,p) Levels
293 Kelvin Cross Sections

69-Tm-170



10

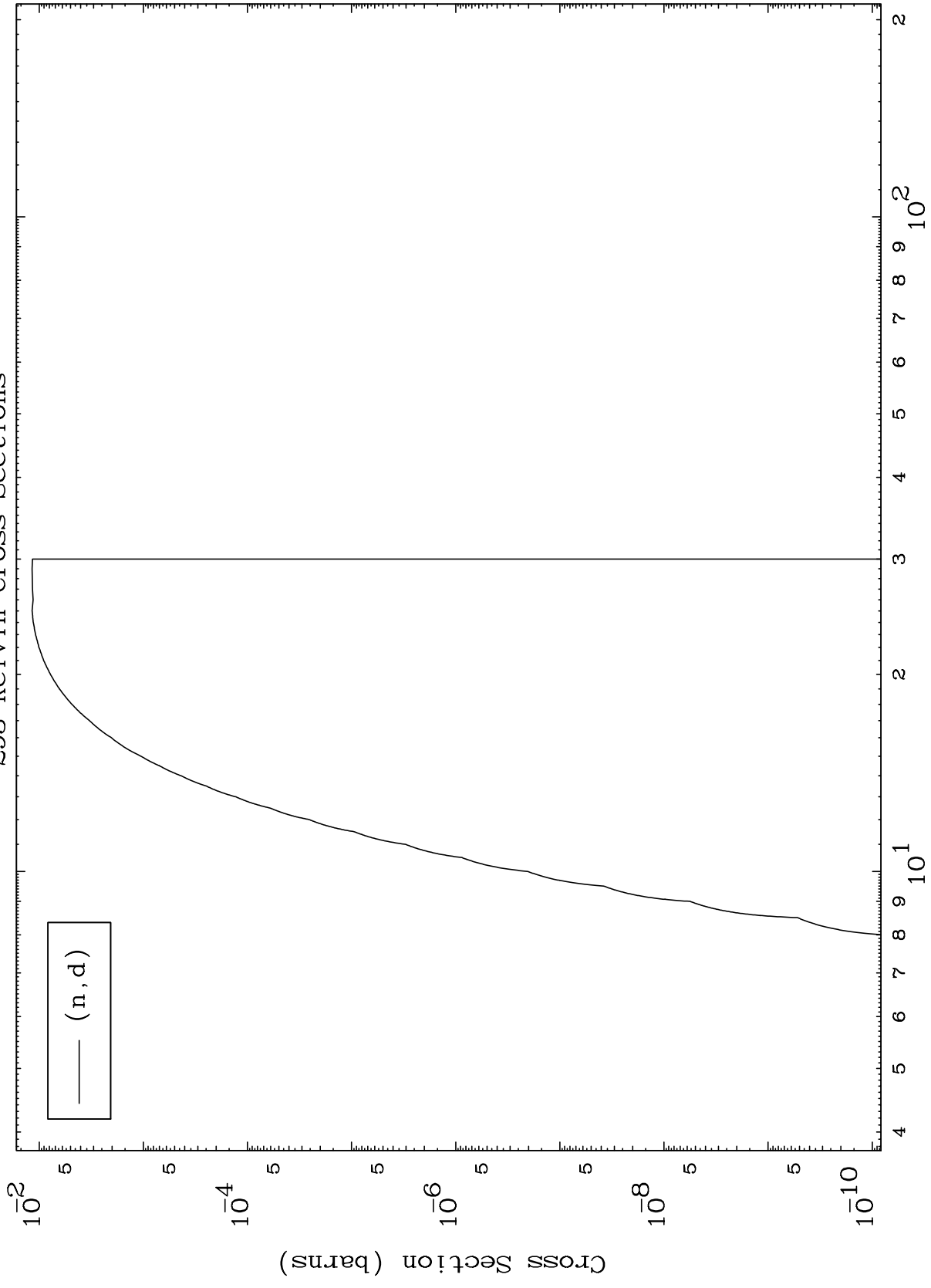
Incident Energy (MeV)

69-Tm-170

MAT 6928

(n,d) Levels
293 Kelvin Cross Sections

69-Tm-170

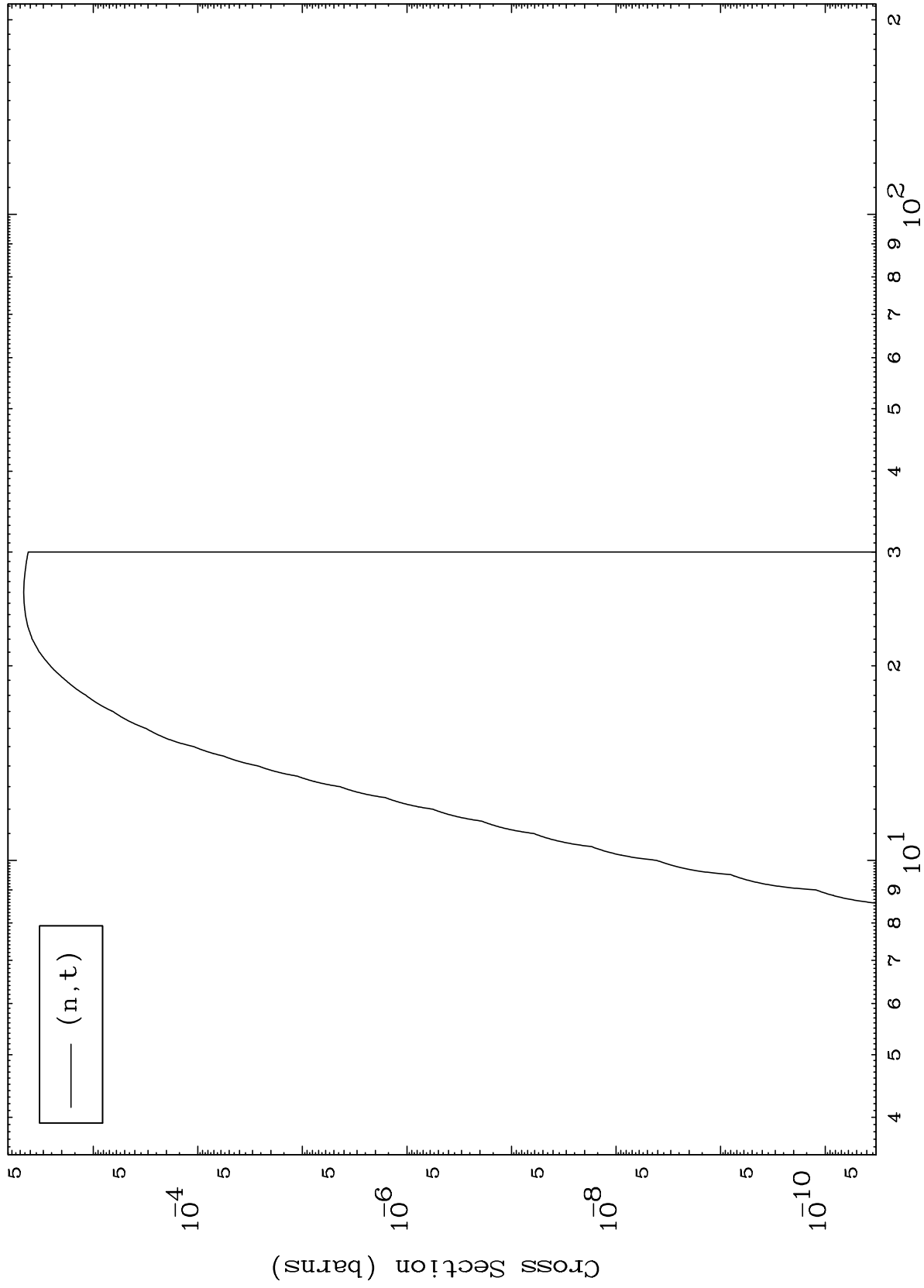


(n,d)

MAT 6928

(n,t) Levels
293 Kelvin Cross Sections

69-Tm-170



12

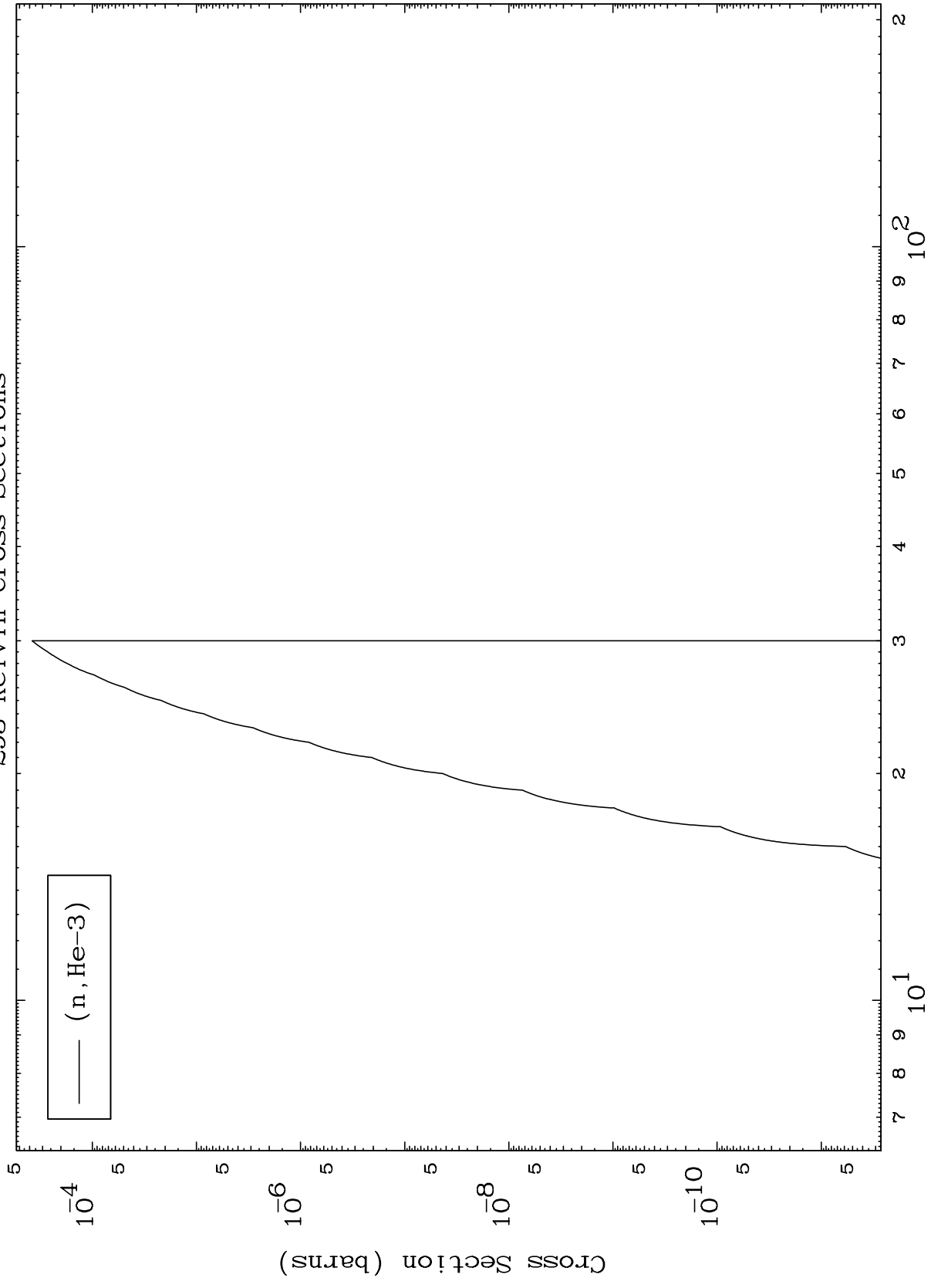
Incident Energy (MeV)

69-Tm-170

MAT 6928

69-Tm-170

(n,He3) Levels
293 Kelvin Cross Sections



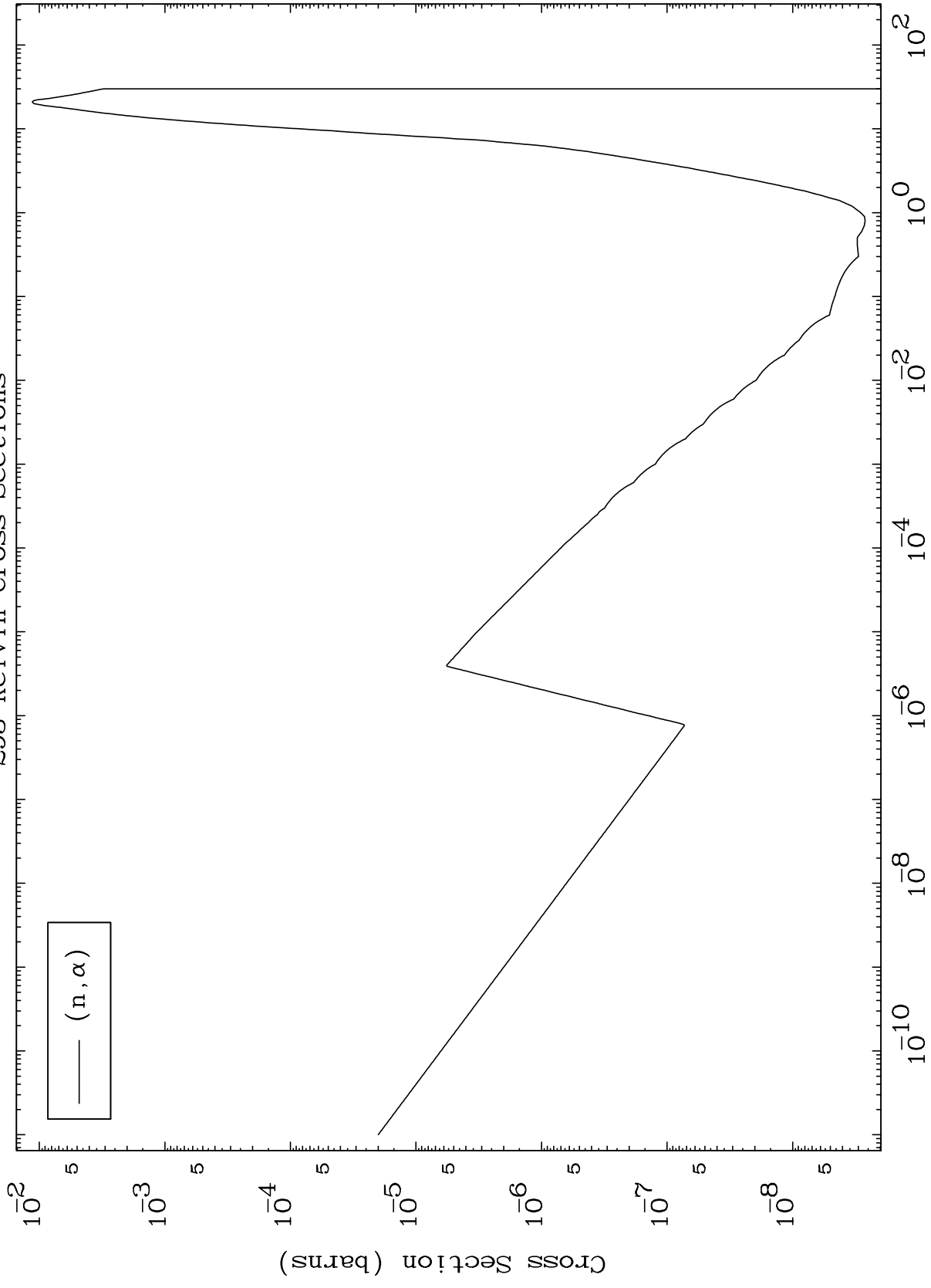
13

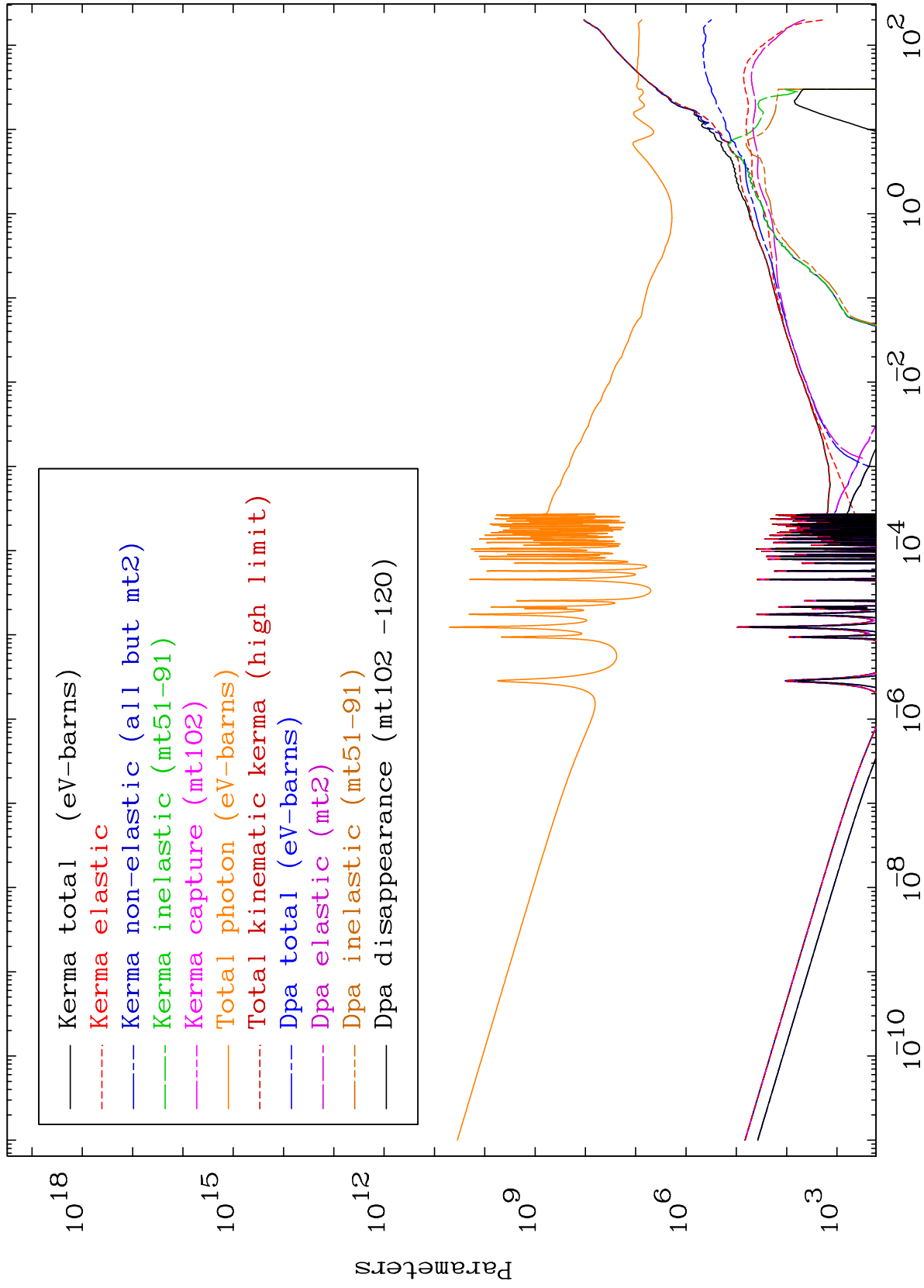
69-Tm-170

MAT 6928

(n,α) Levels
293 Kelvin Cross Sections

69-Tm-170

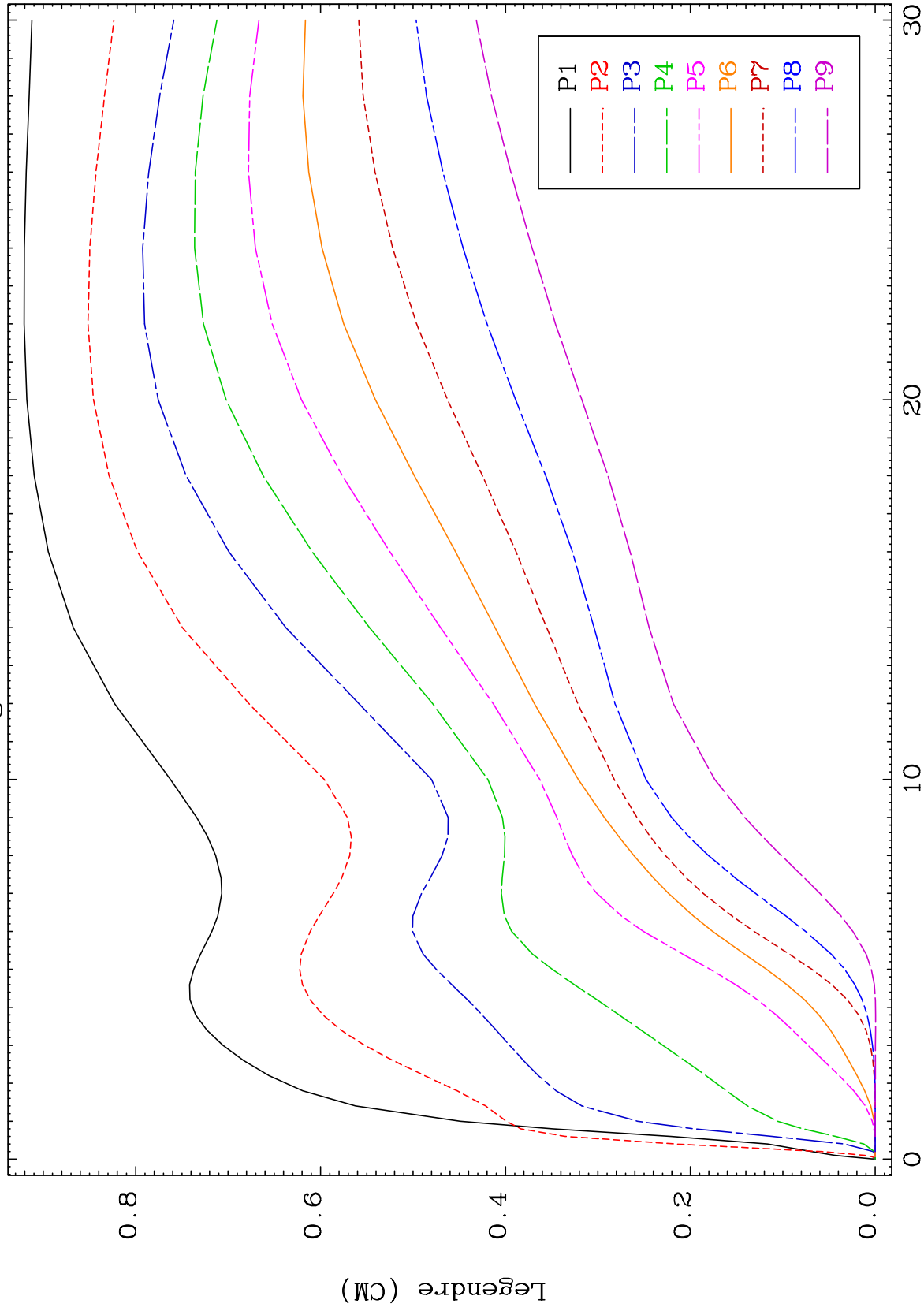




MAT 6928

Elastic Legendre Coefficients

69-Tm-170



0

0.0

0.2

0.4

0.6

0.8

16

30

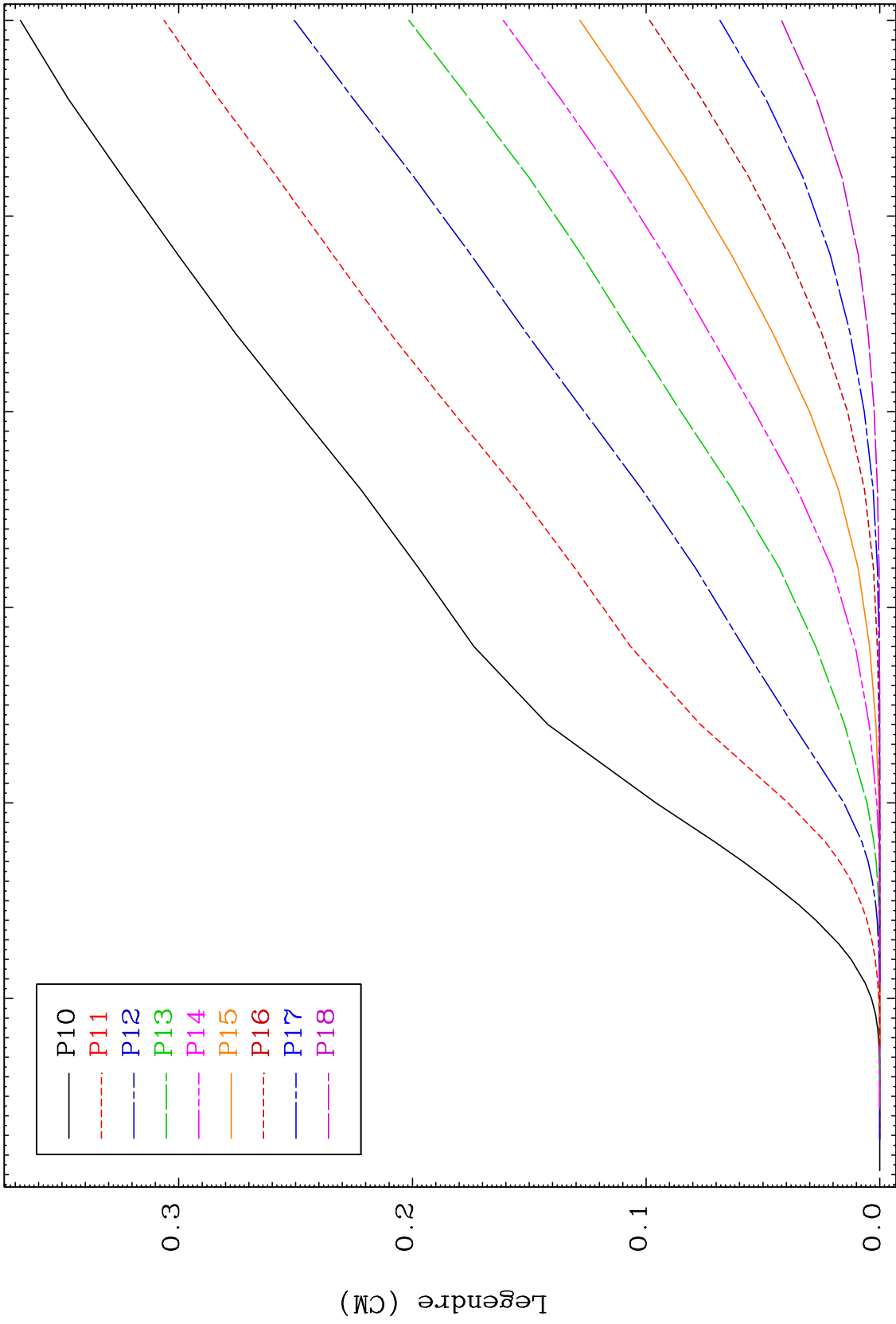
Incident Energy (MeV)

69-Tm-170

MAT 6928

Elastic Legendre Coefficients

69-Tm-170



17

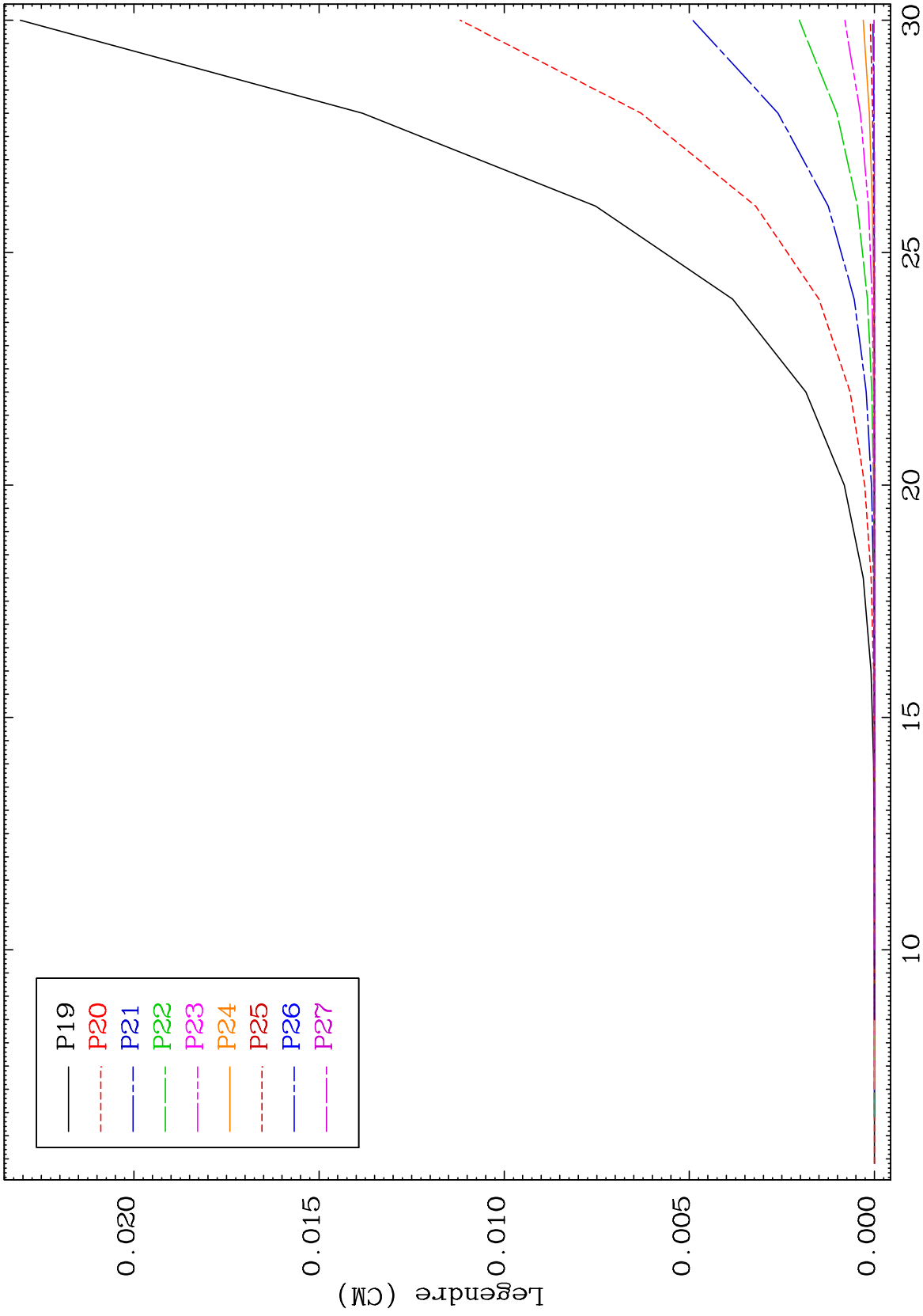
Incident Energy (MeV)

69-Tm-170

MAT 6928

Elastic Legendre Coefficients

69-Tm-170



18

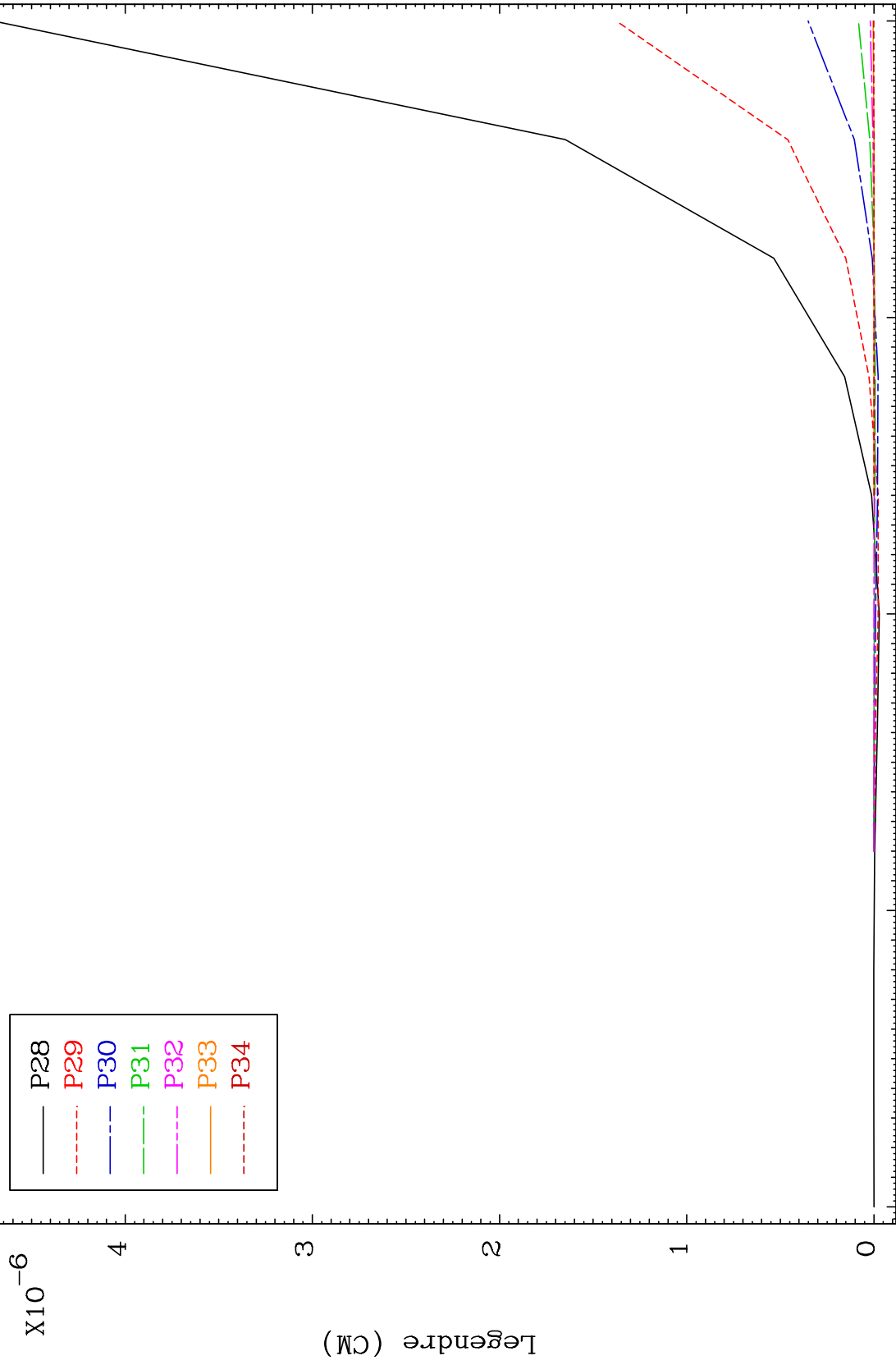
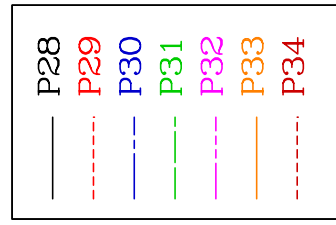
Incident Energy (MeV)

69-Tm-170

MAT 6928

Elastic Legendre Coefficients

69-Tm-170



19

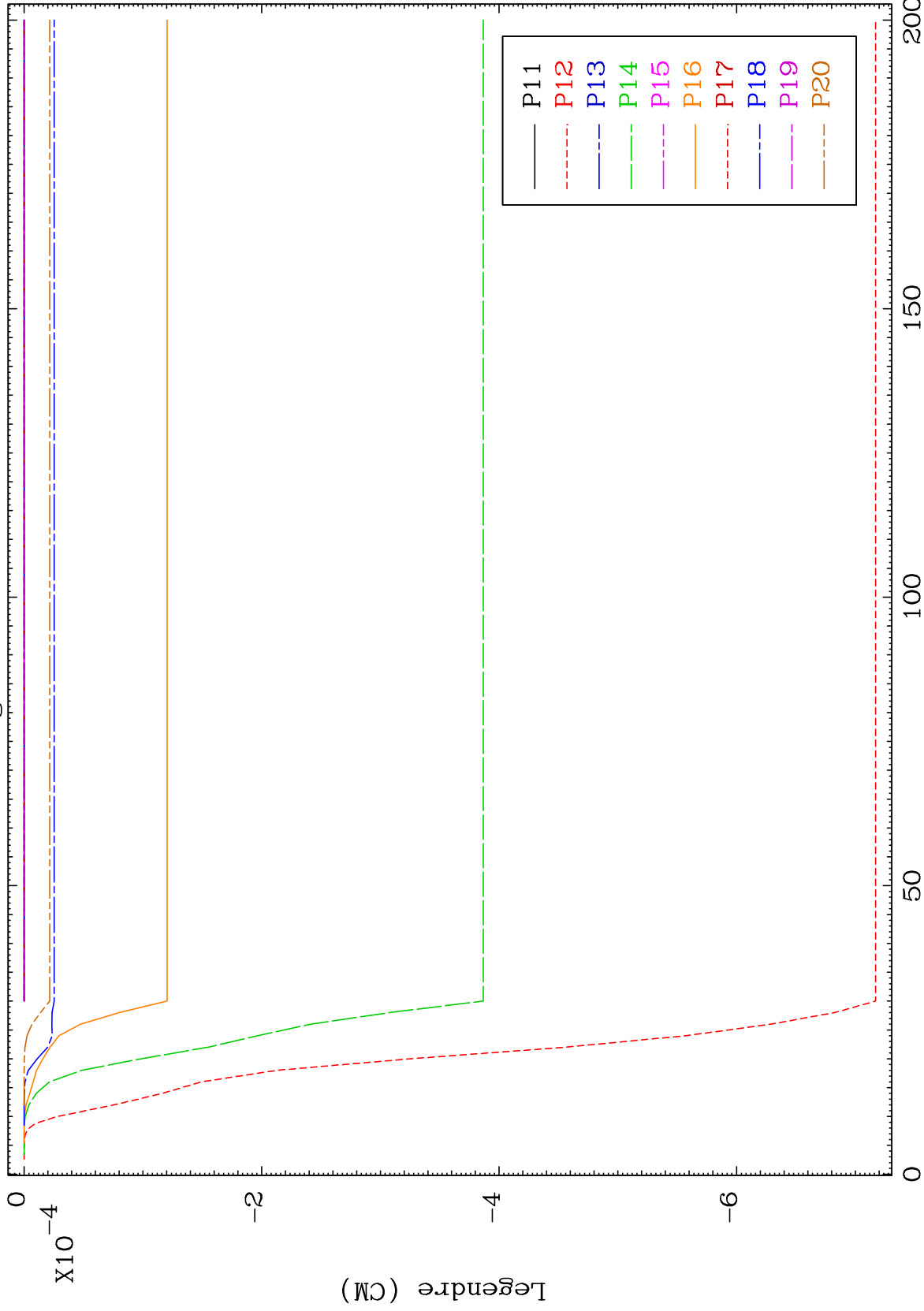
Incident Energy (MeV)

69-Tm-170

MAT 6928

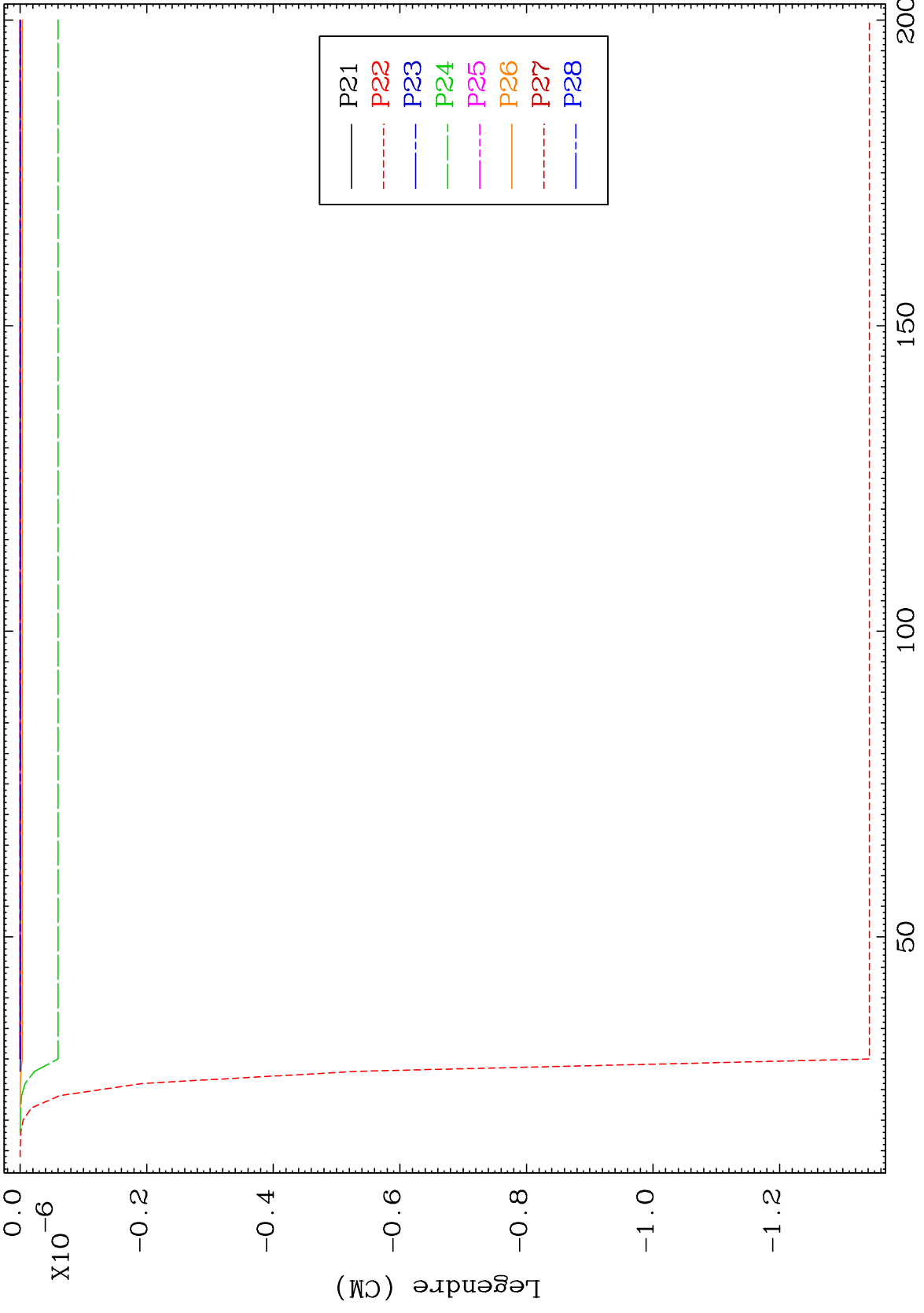
MT= 51 (n,n') Level
Legendre Coefficients

69-Tm-170



21

MAT 6928 MT= 51 (n,n') Level Legendre Coefficients 69-Tm-170

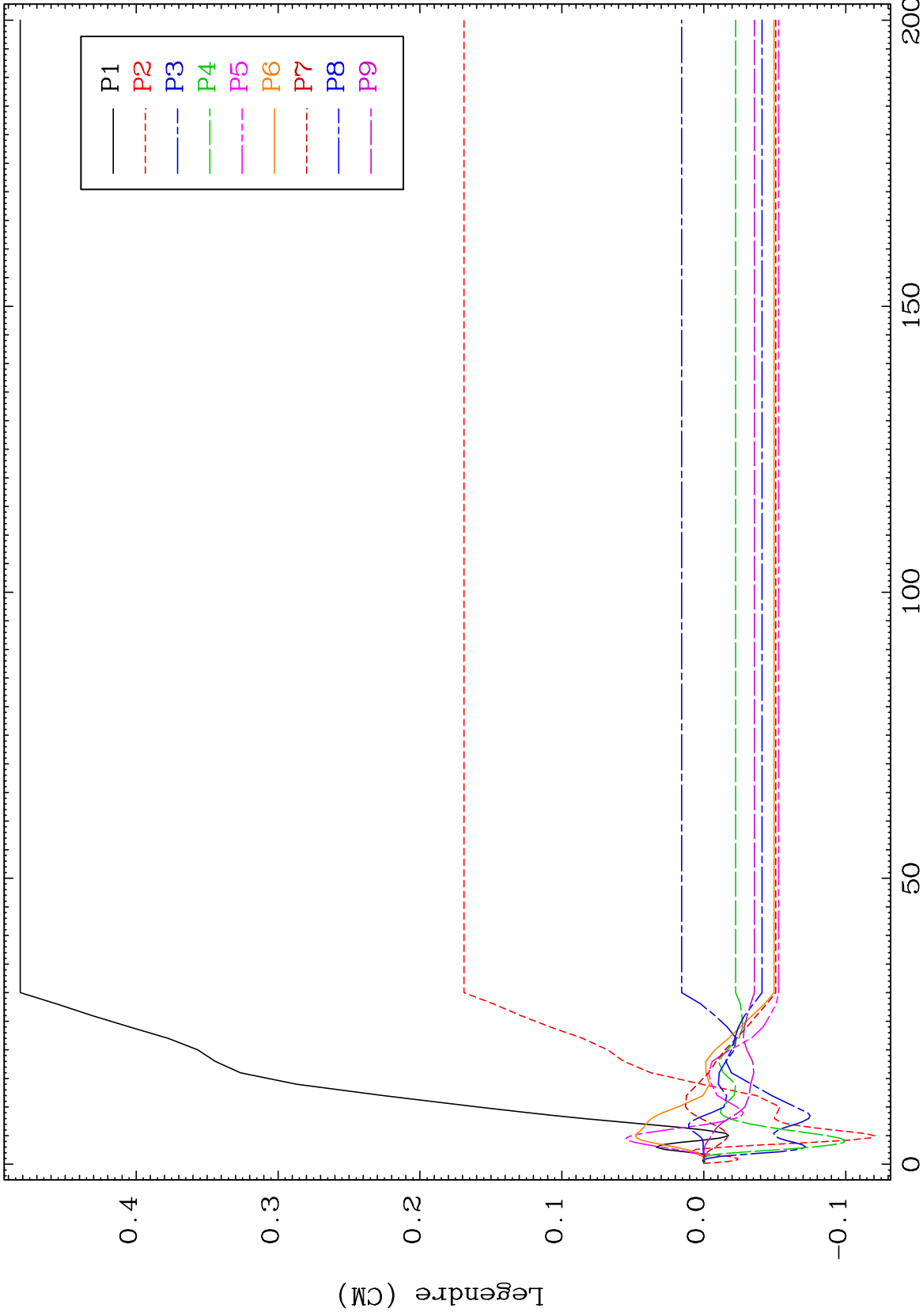


22 69-Tm-170

MAT 6928

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

69-Tm-170



23

Incident Energy (MeV)

69-Tm-170

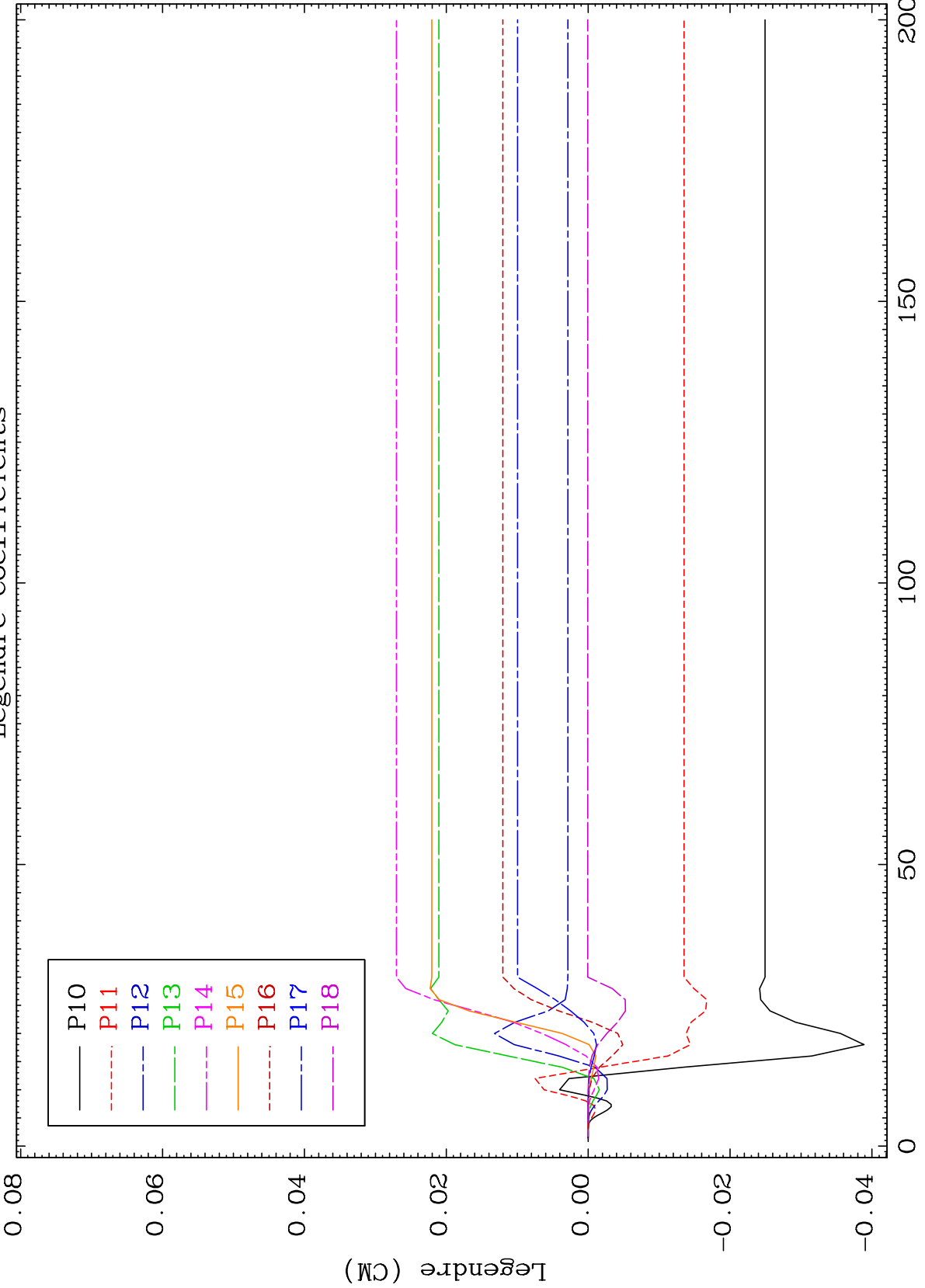
MAT 6928 MT= 52 (n,n') Level Legendre Coefficients

69-Tm-170

69-Tm-170

Incident Energy (MeV)

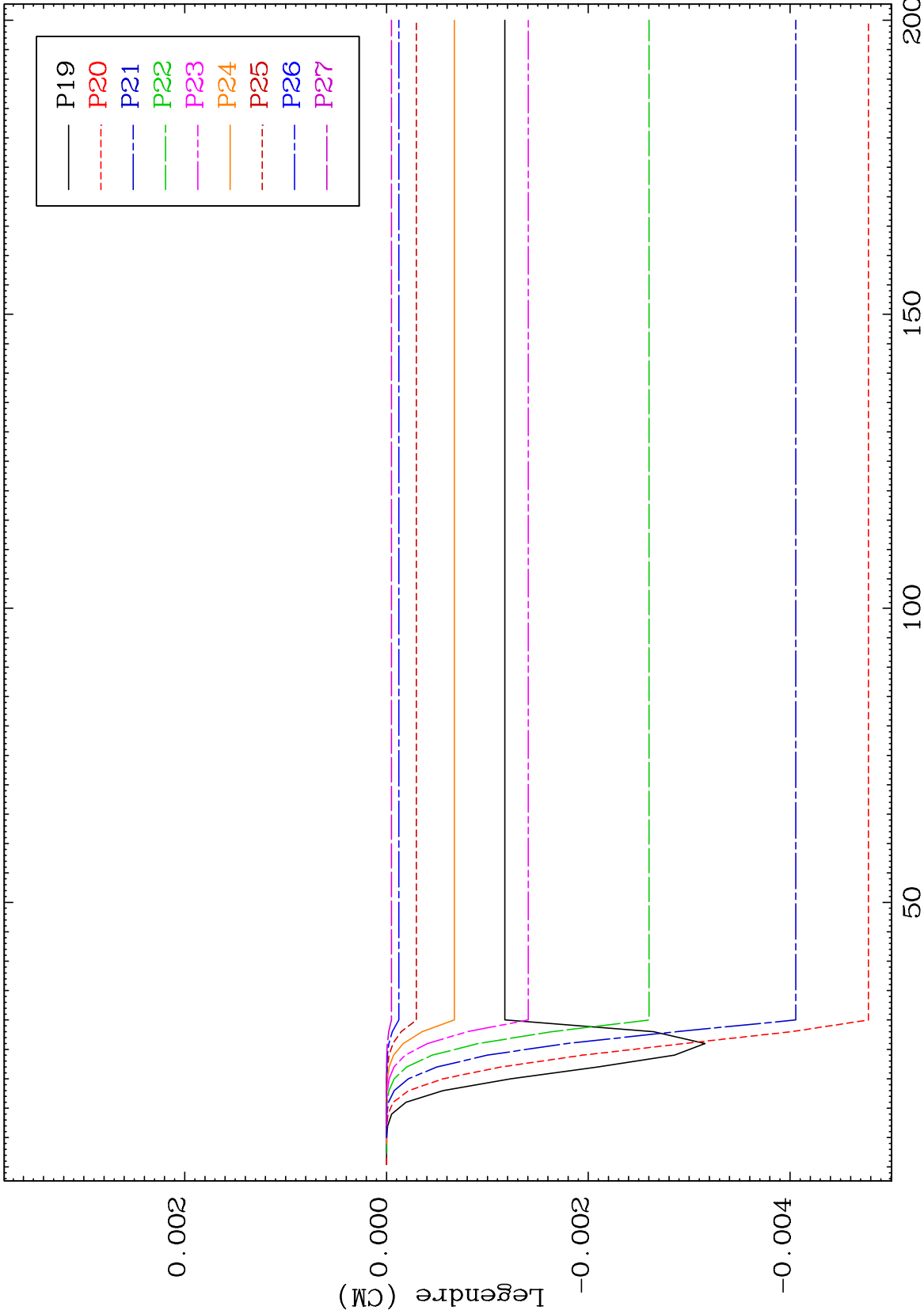
24



MAT 6928

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

69-Tm-170



25

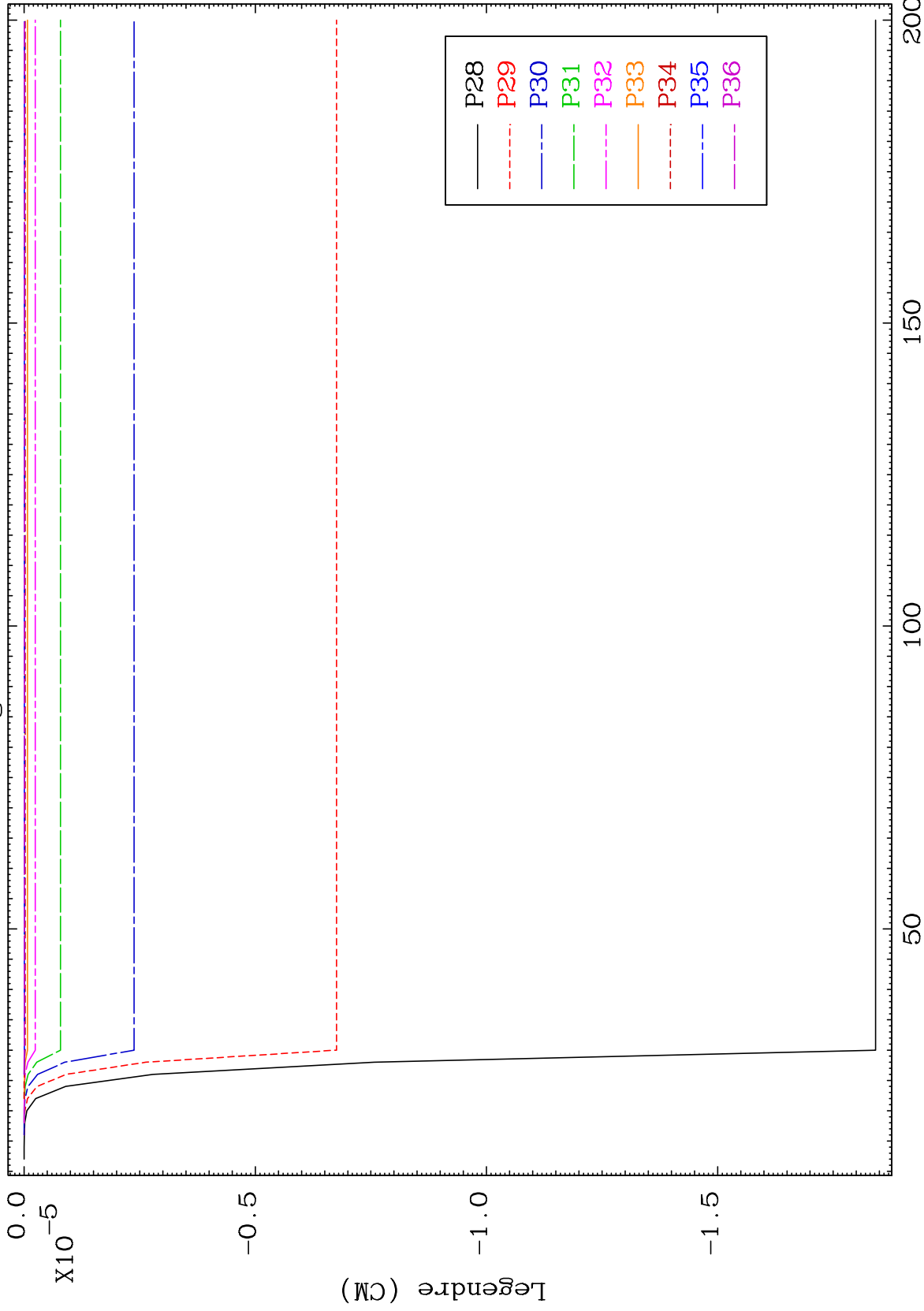
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170



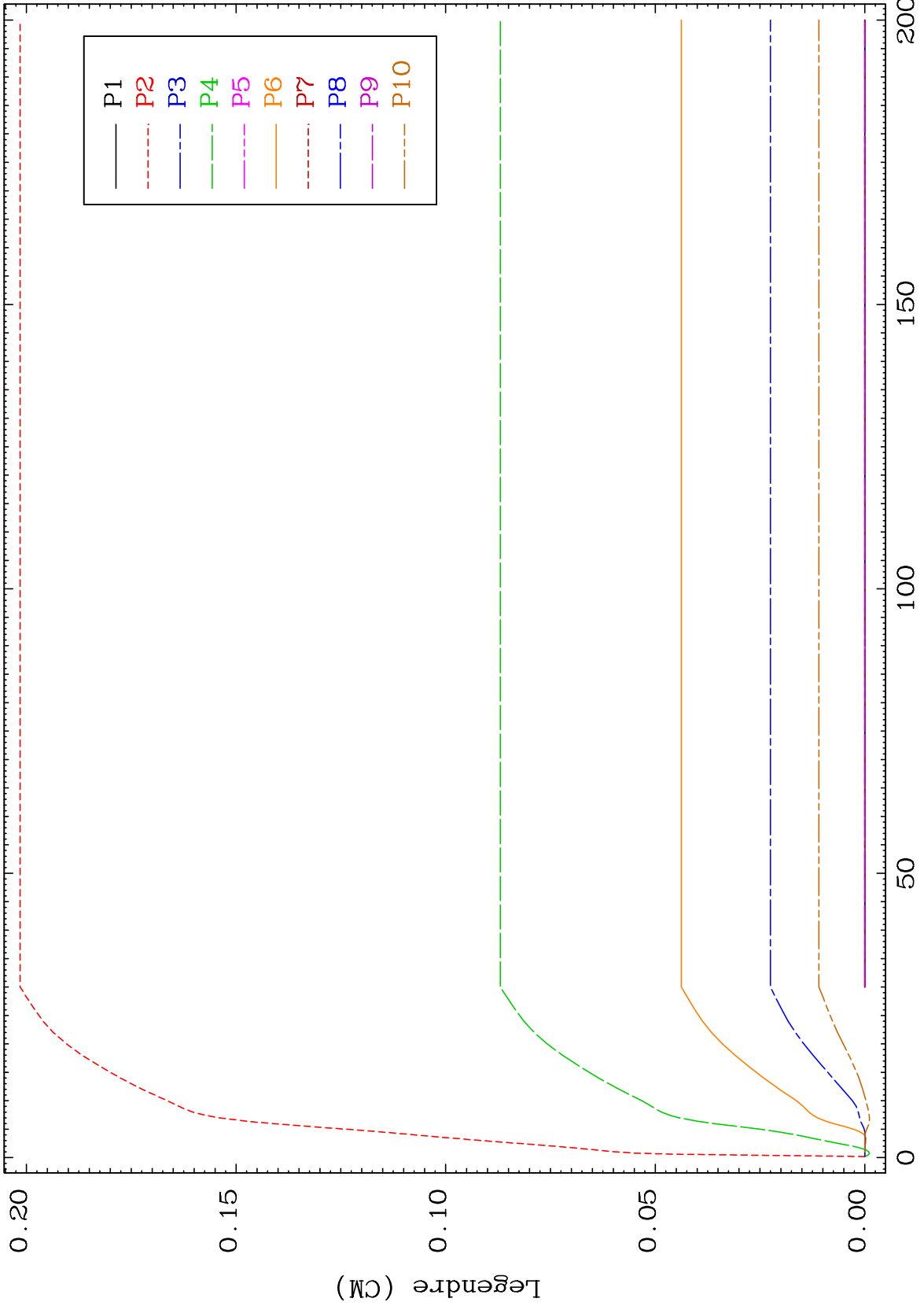
26

69-Tm-170

MAT 6928

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

69-Tm-170

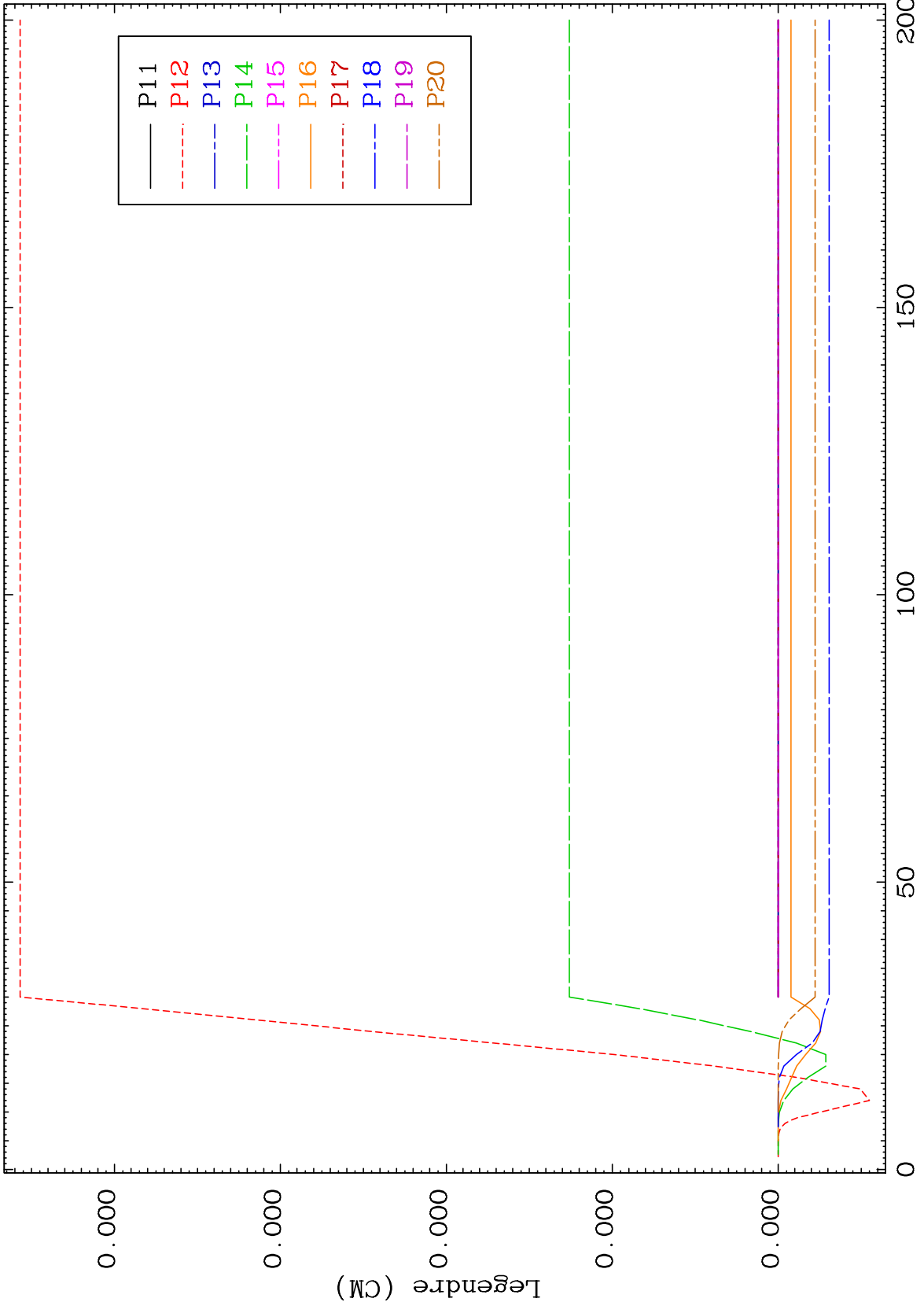


27

Incident Energy (MeV)

69-Tm-170

MAT 6928 MT= 53 (n,n') Level Legendre Coefficients 69-Tm-170

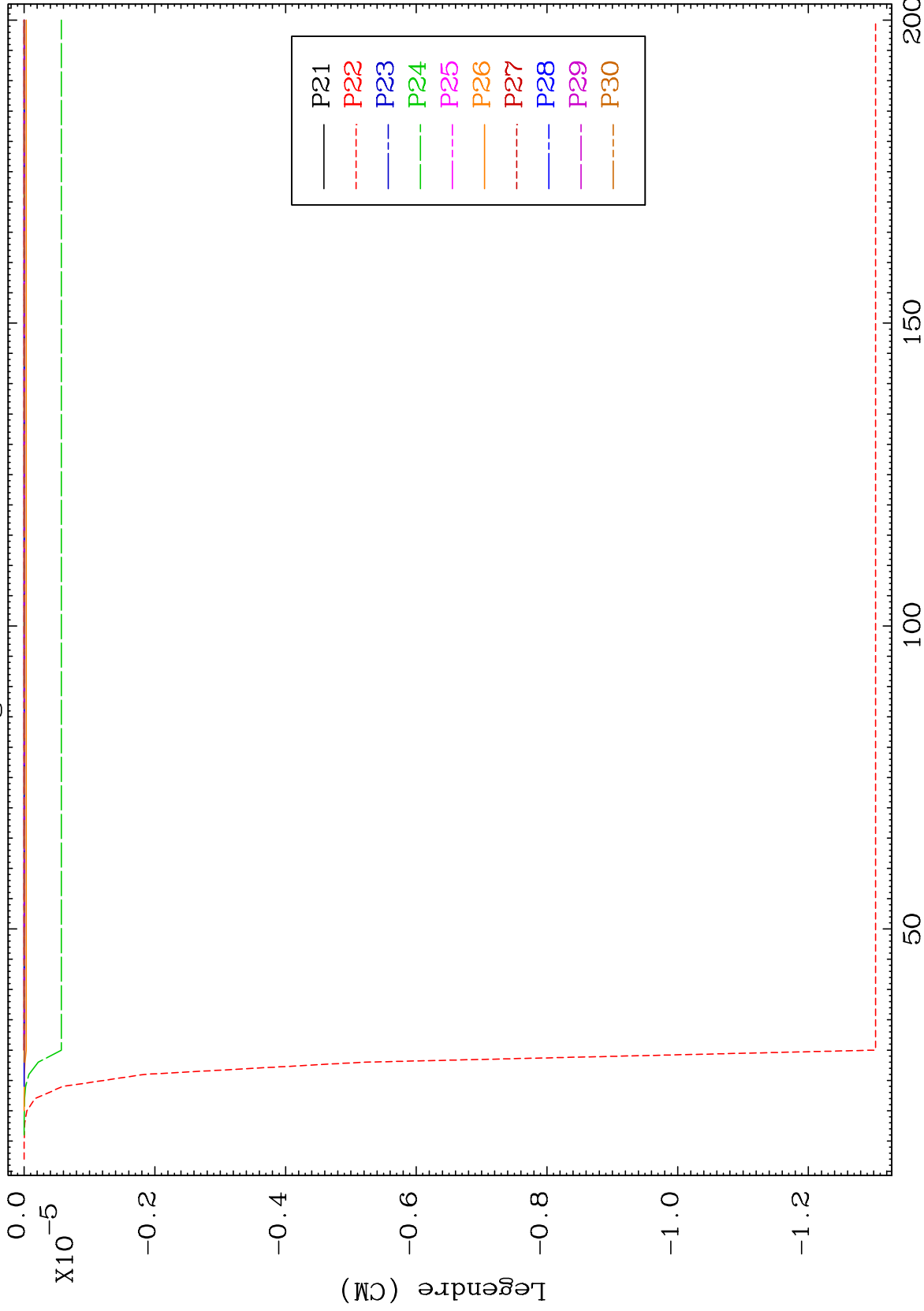


28 Incident Energy (MeV) 69-Tm-170

MAT 6928

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

69-Tm-170



29

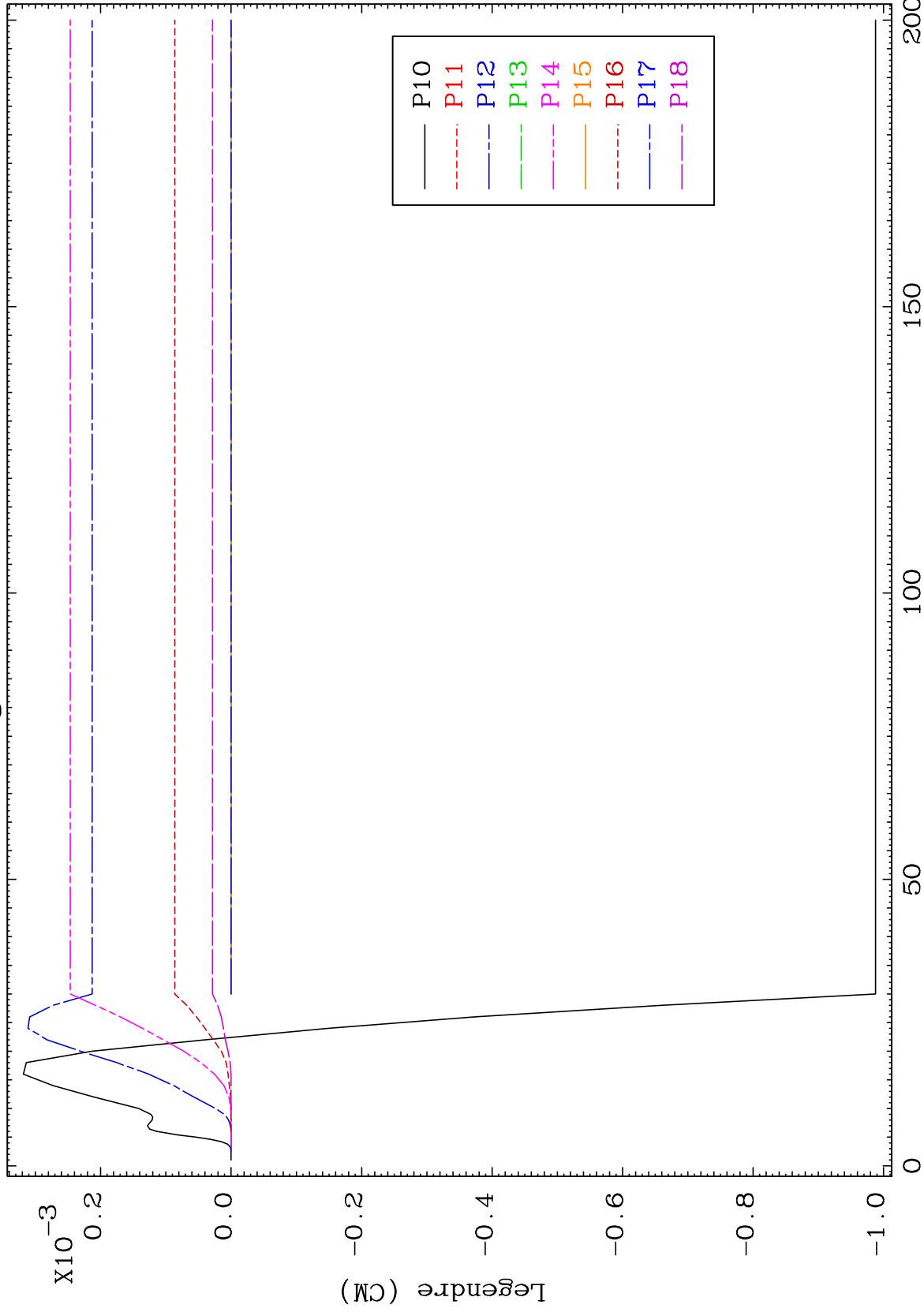
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170

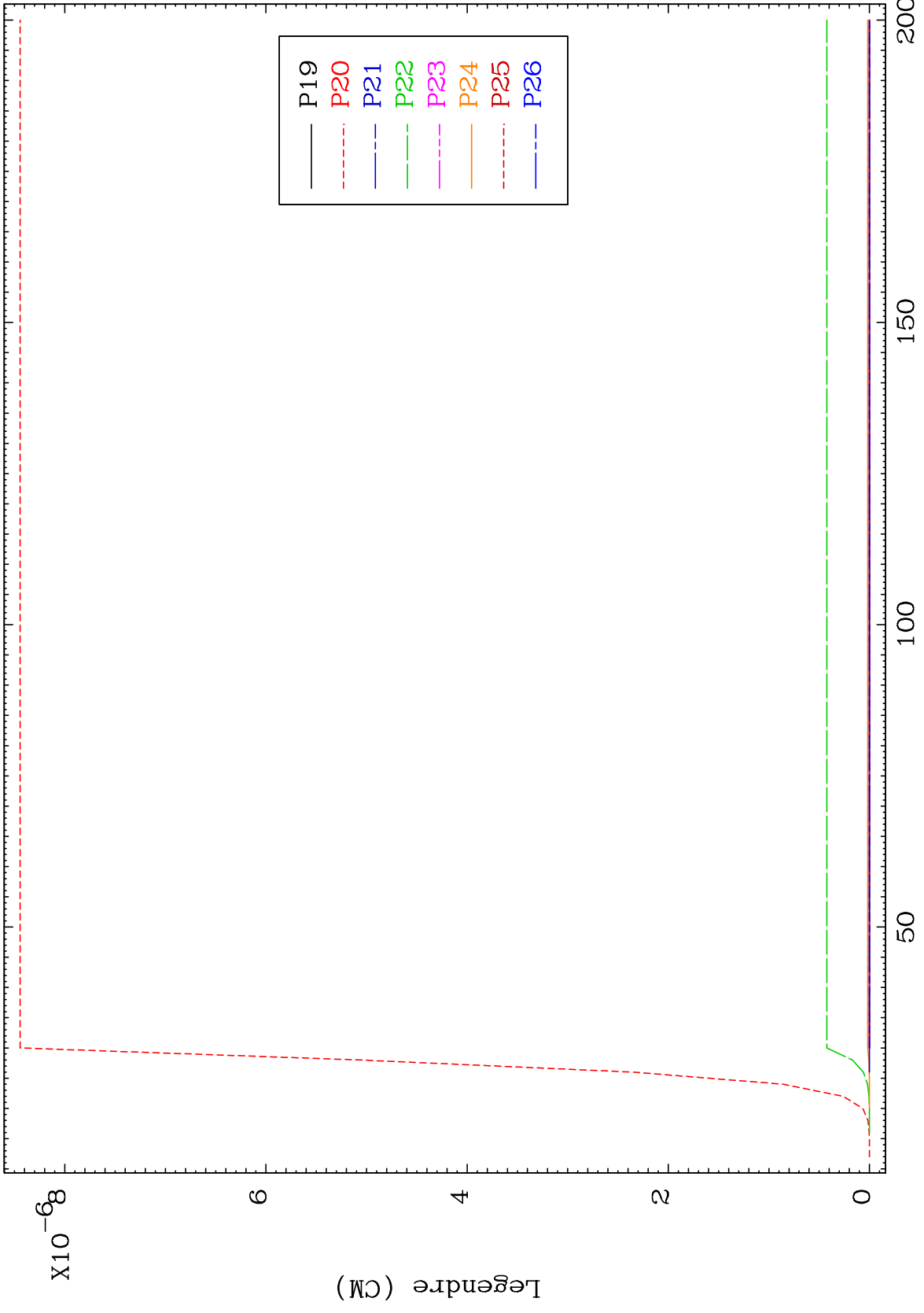


31

Incident Energy (MeV)

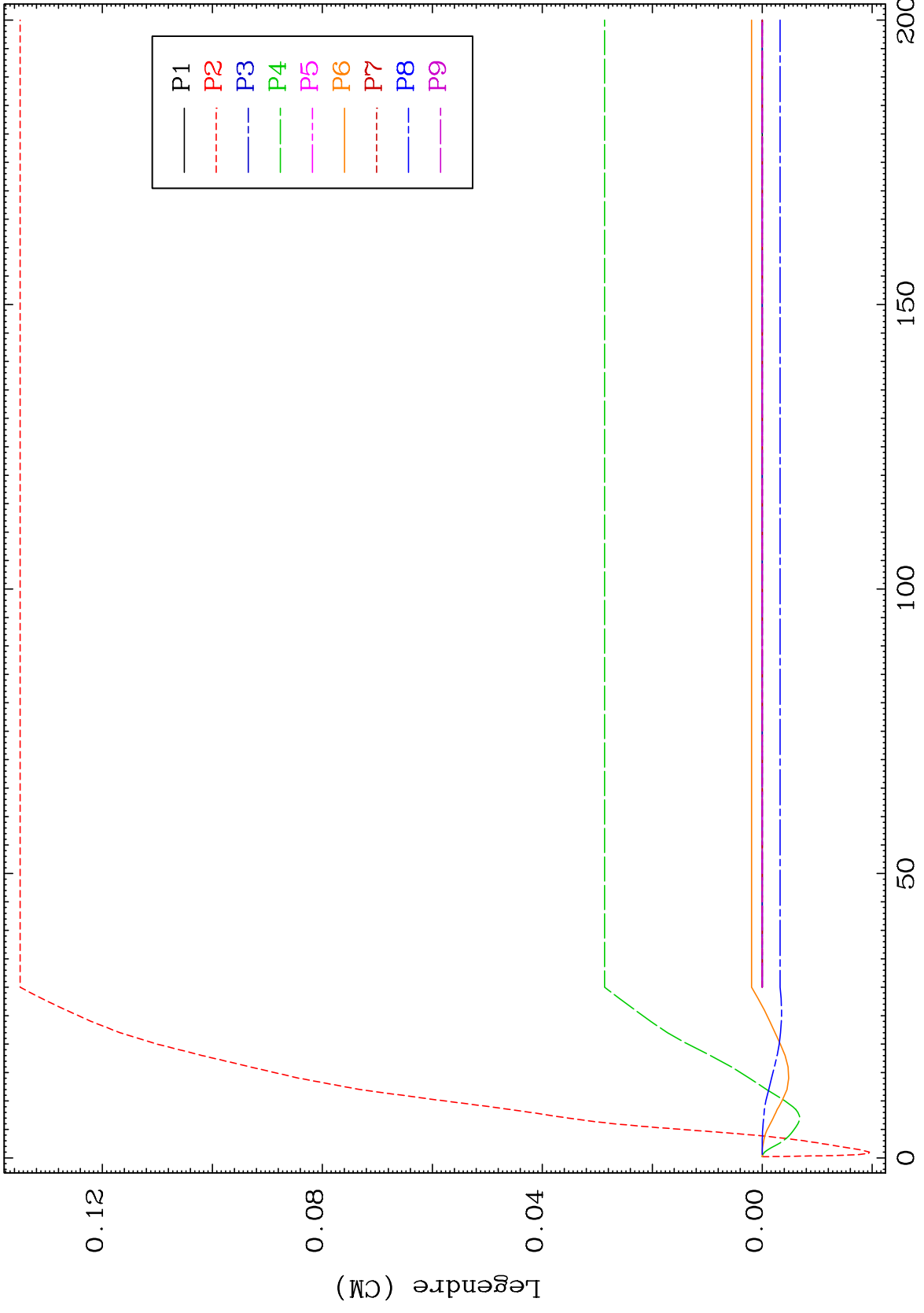
69-Tm-170

MAT 6928 MT= 54 (n,n') Level Legendre Coefficients 69-Tm-170



32 Incident Energy (MeV) 69-Tm-170

MAT 6928 MT= 55 (n,n') Level Legendre Coefficients 69-Tm-170

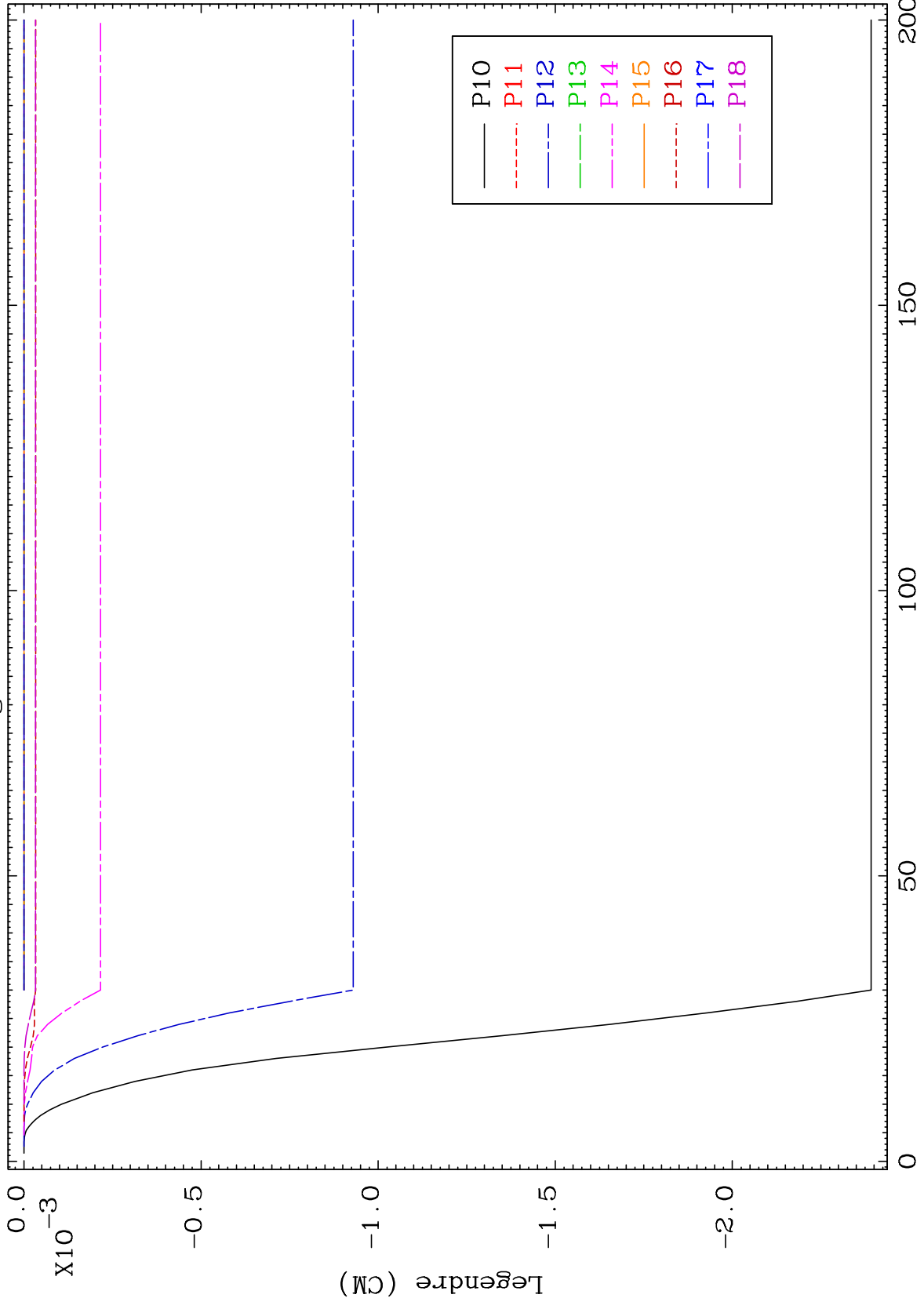


33 69-Tm-170

MAT 6928

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

69-Tm-170

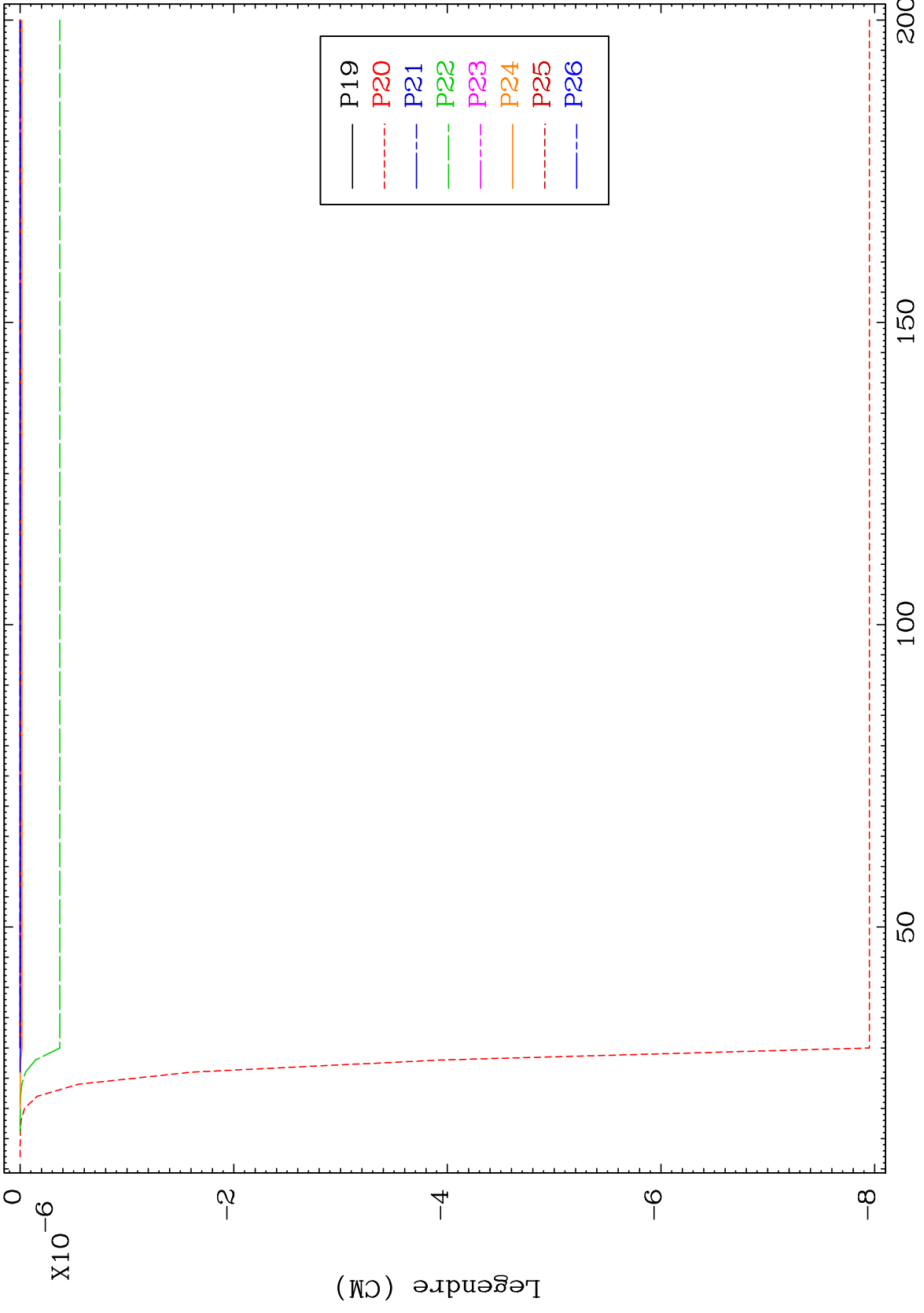


69-Tm-170

Incident Energy (MeV)

34

MAT 6928 MT= 55 (n,n') Level Legendre Coefficients 69-Tm-170

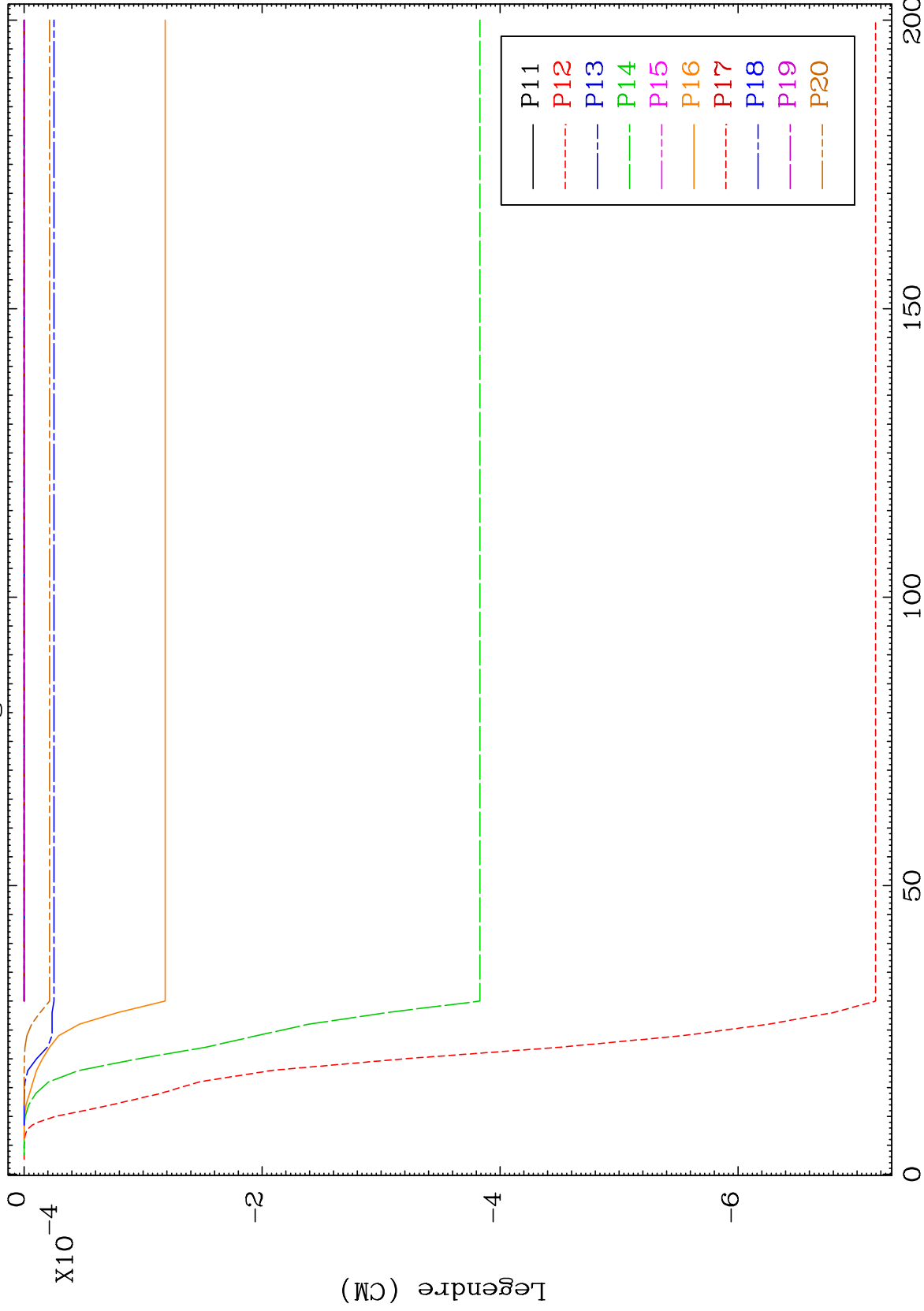


35 Incident Energy (MeV) 69-Tm-170

MAT 6928

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

69-Tm-170



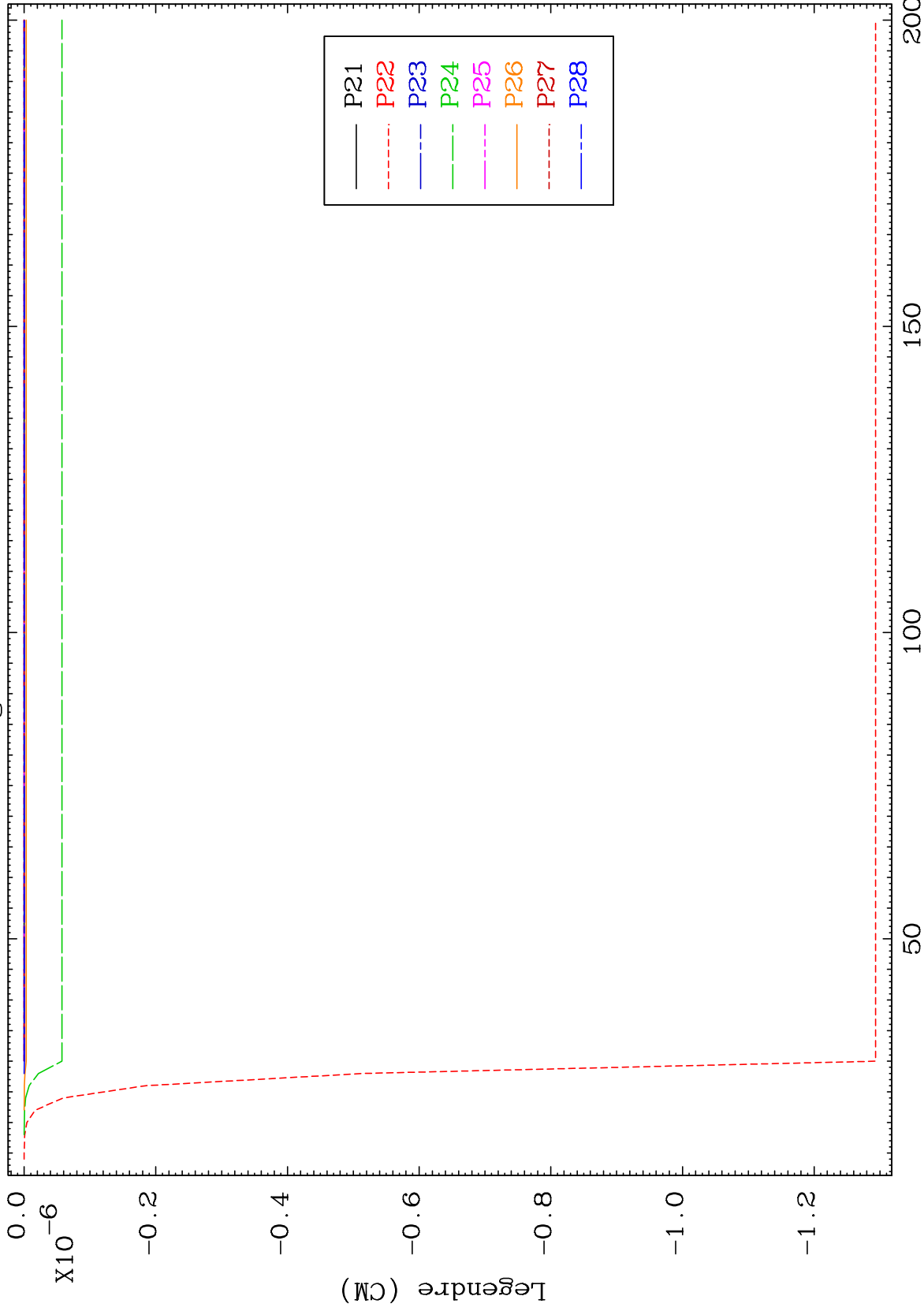
69-Tm-170

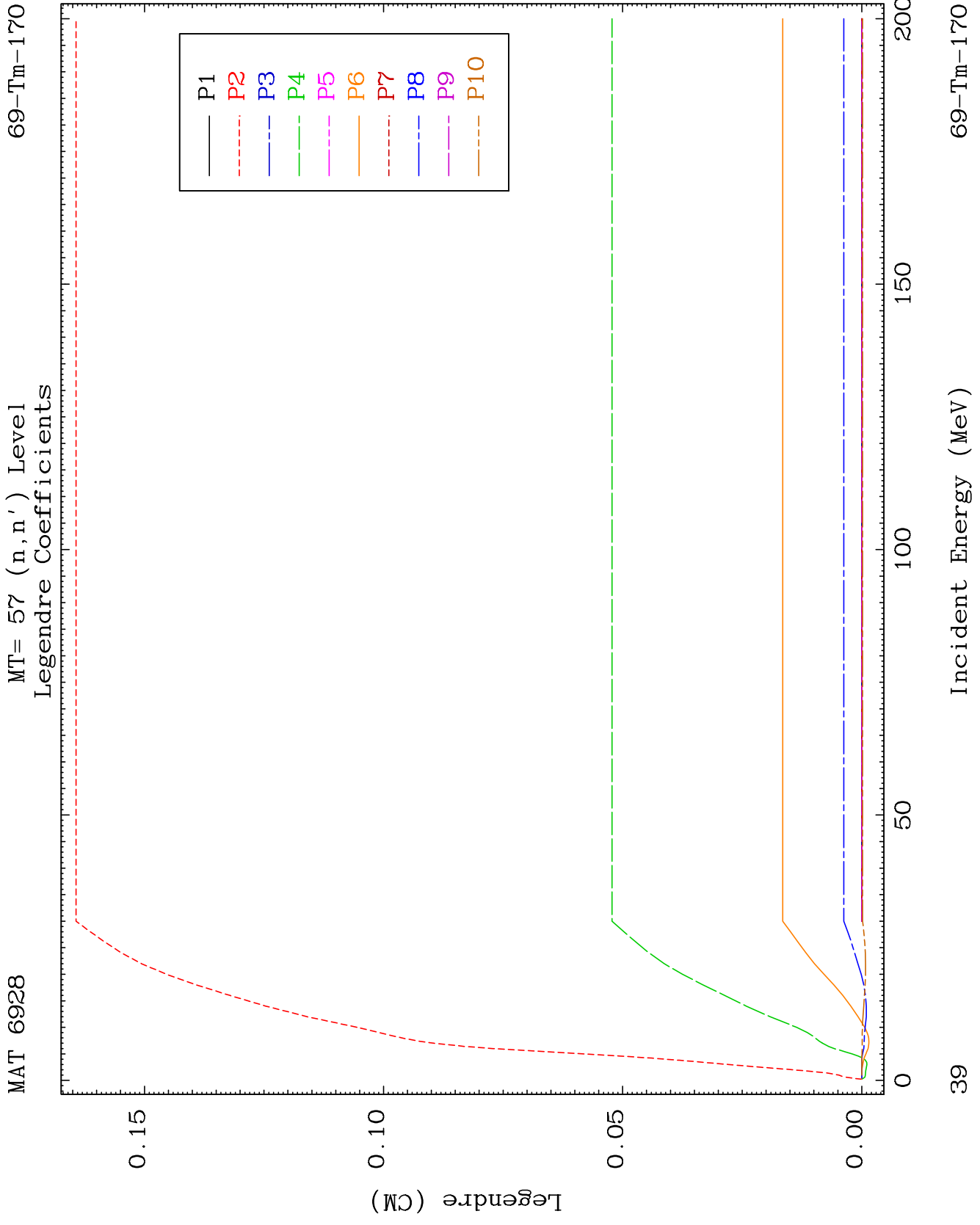
Incident Energy (MeV)

37

MAT 6928 MT= 56 (n,n') Level 69-Tm-170

Legendre Coefficients

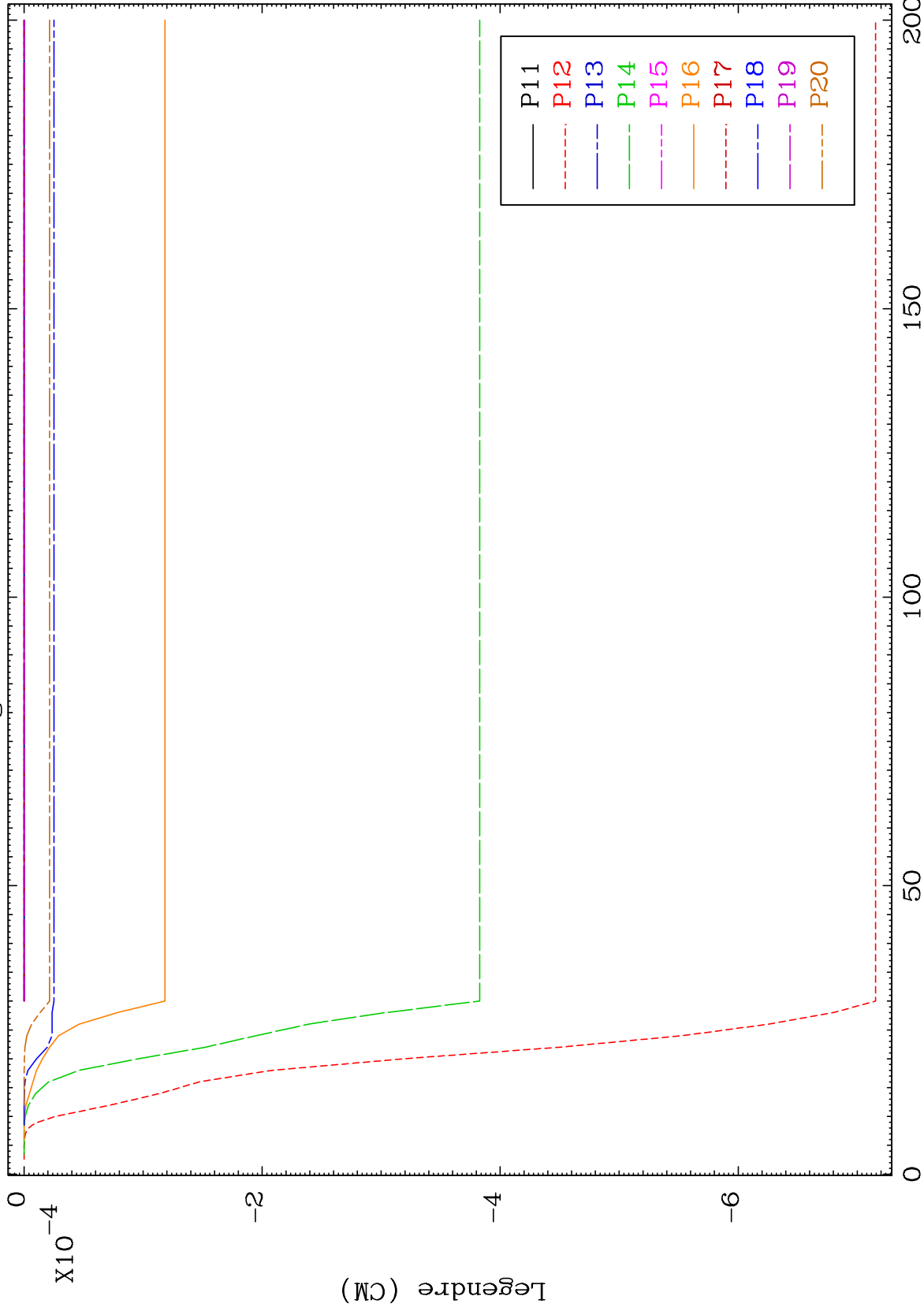




MAT 6928

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

69-Tm-170

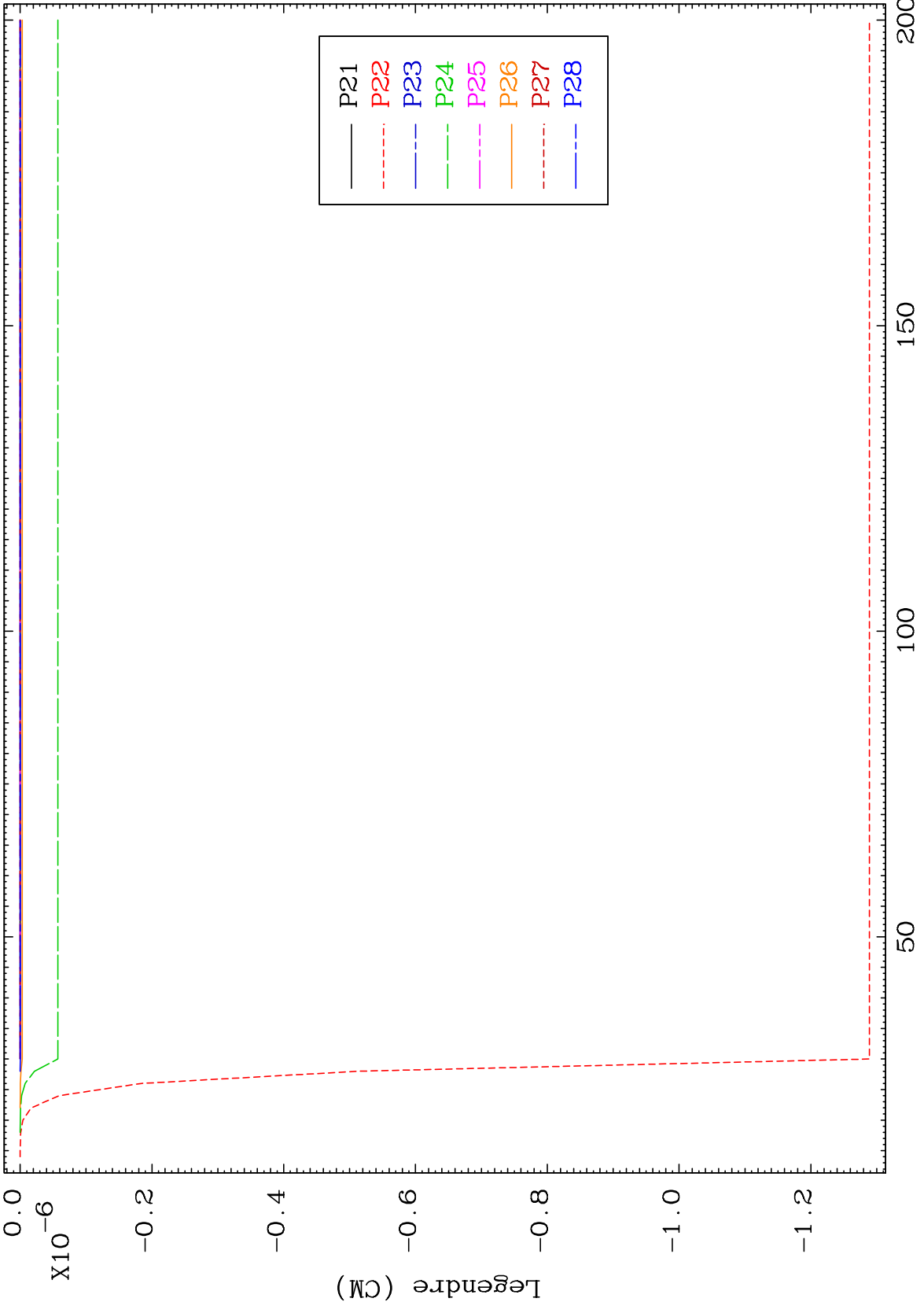


69-Tm-170

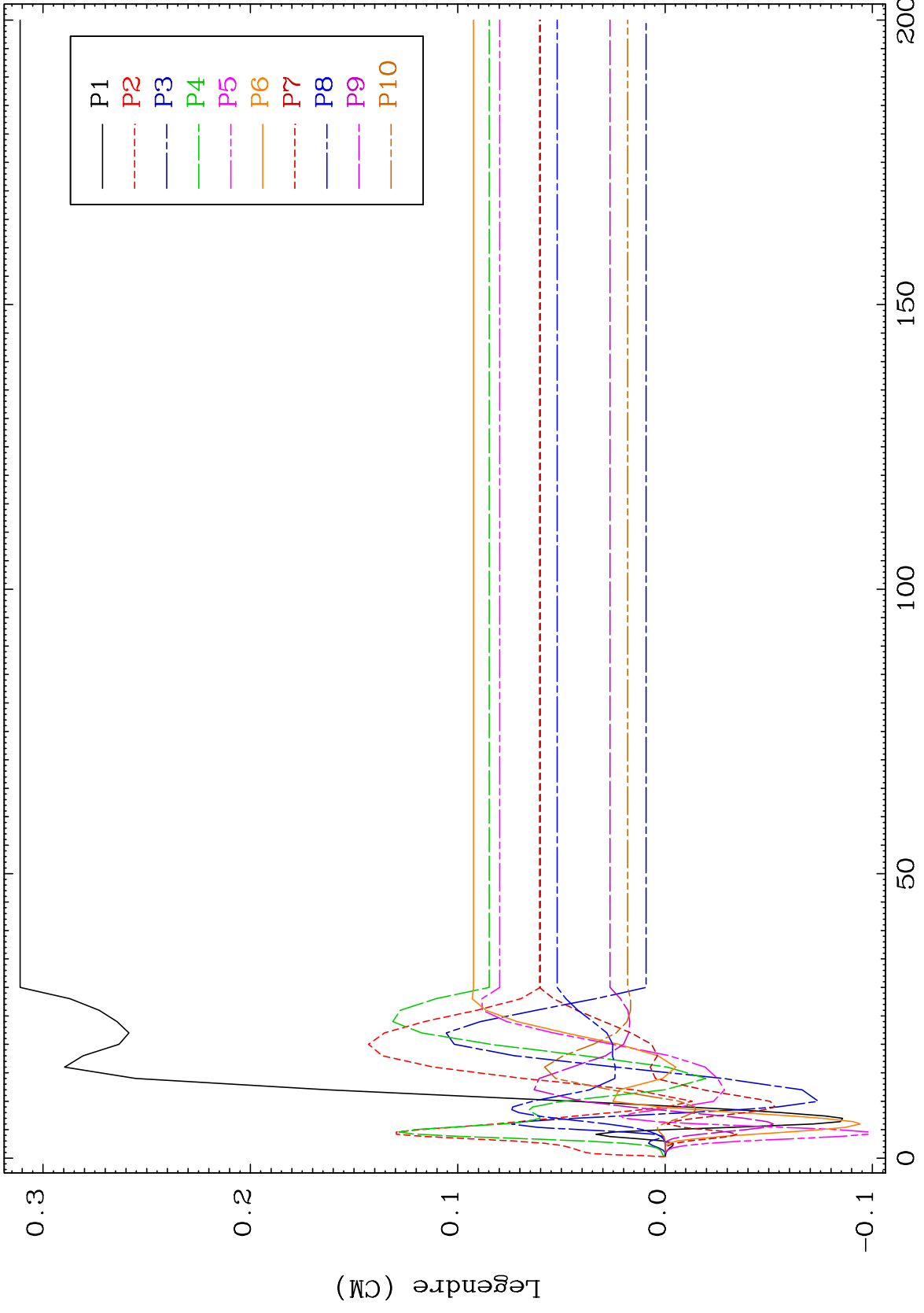
Incident Energy (MeV)

40

MAT 6928 MT= 57 (n,n') Level Legendre Coefficients 69-Tm-170



MAT 6928 MT= 58 (n,n') Level Legendre Coefficients 69-Tm-170

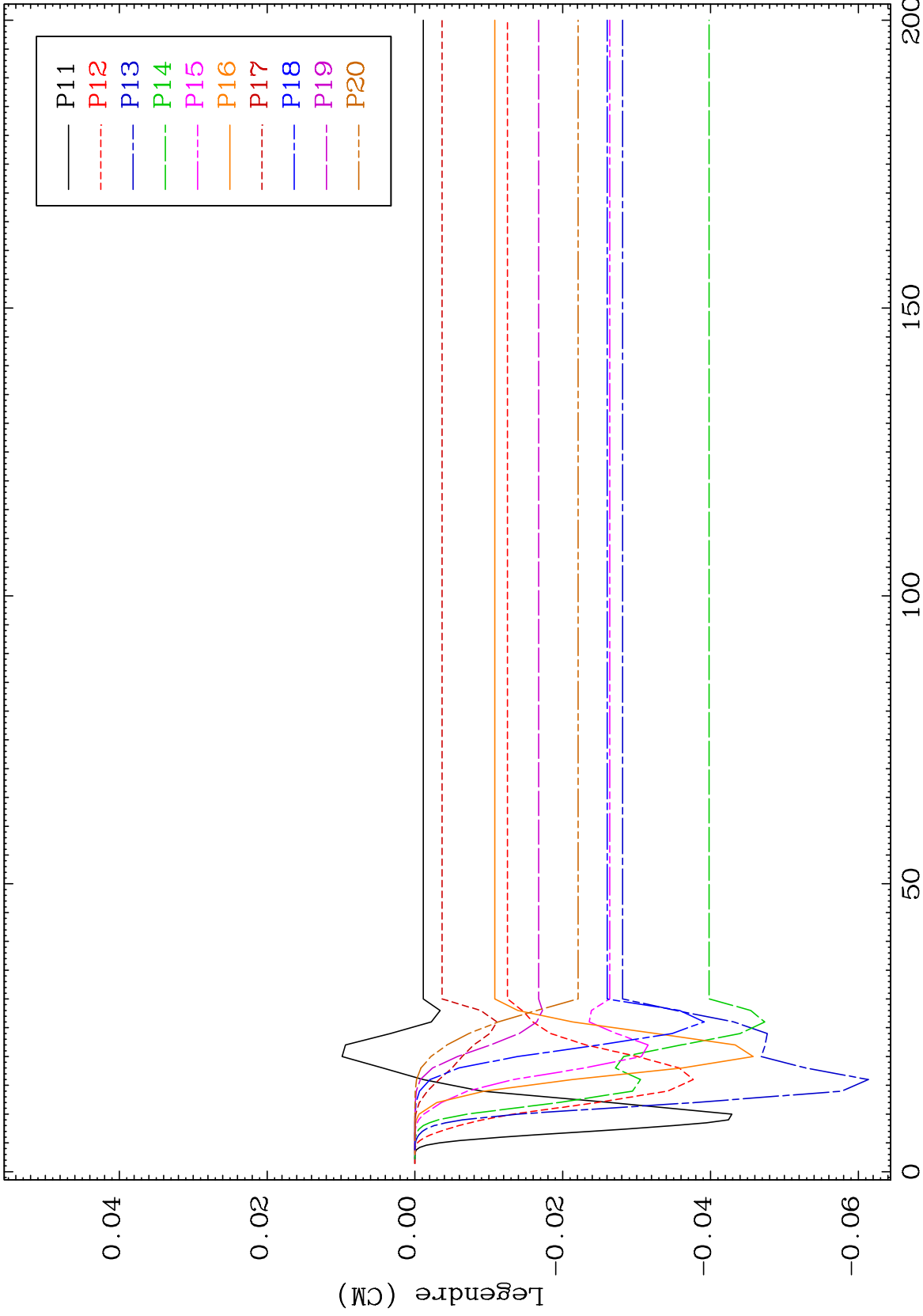


42 69-Tm-170

MAT 6928

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

69-Tm-170

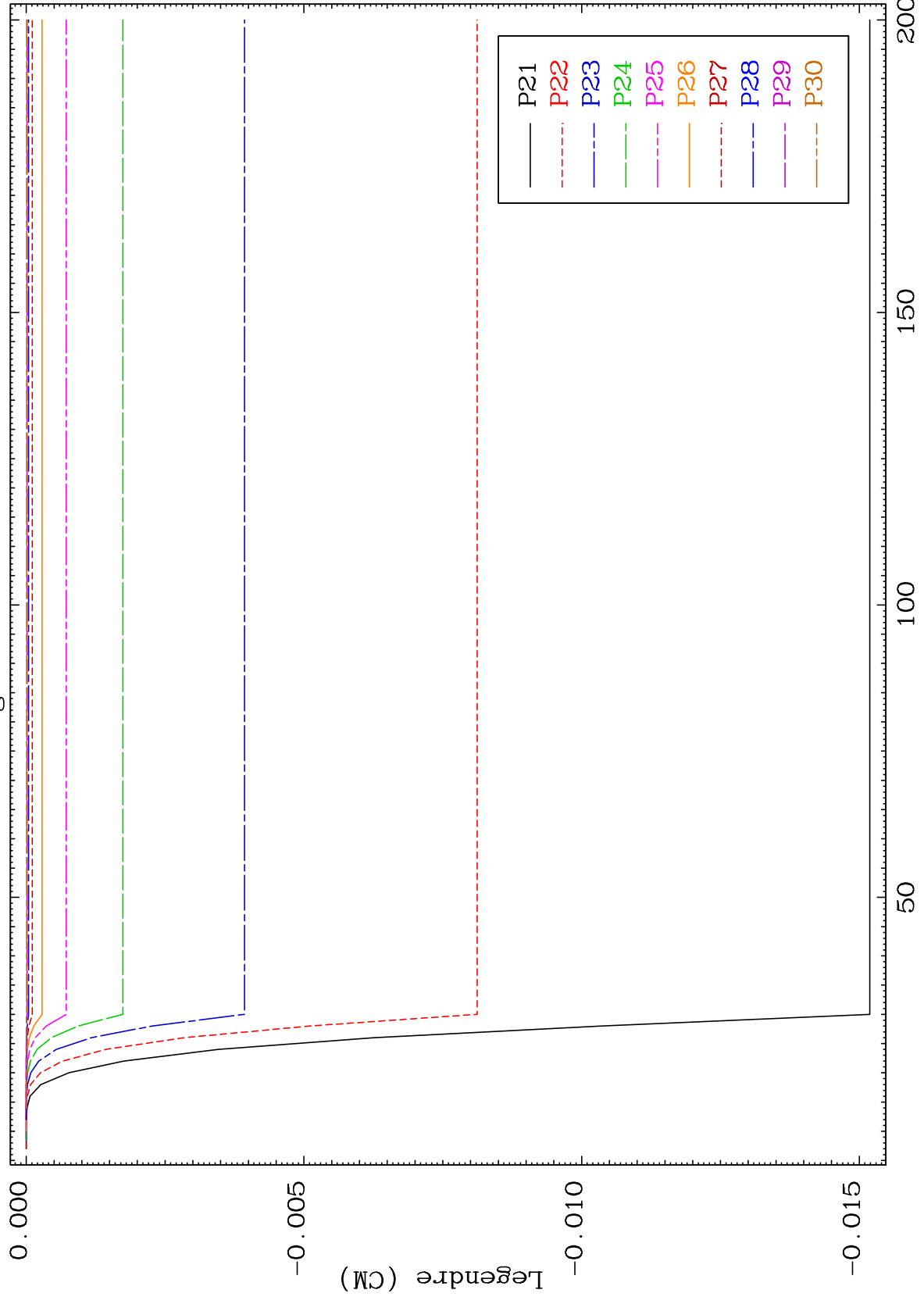


43

Incident Energy (MeV)

69-Tm-170

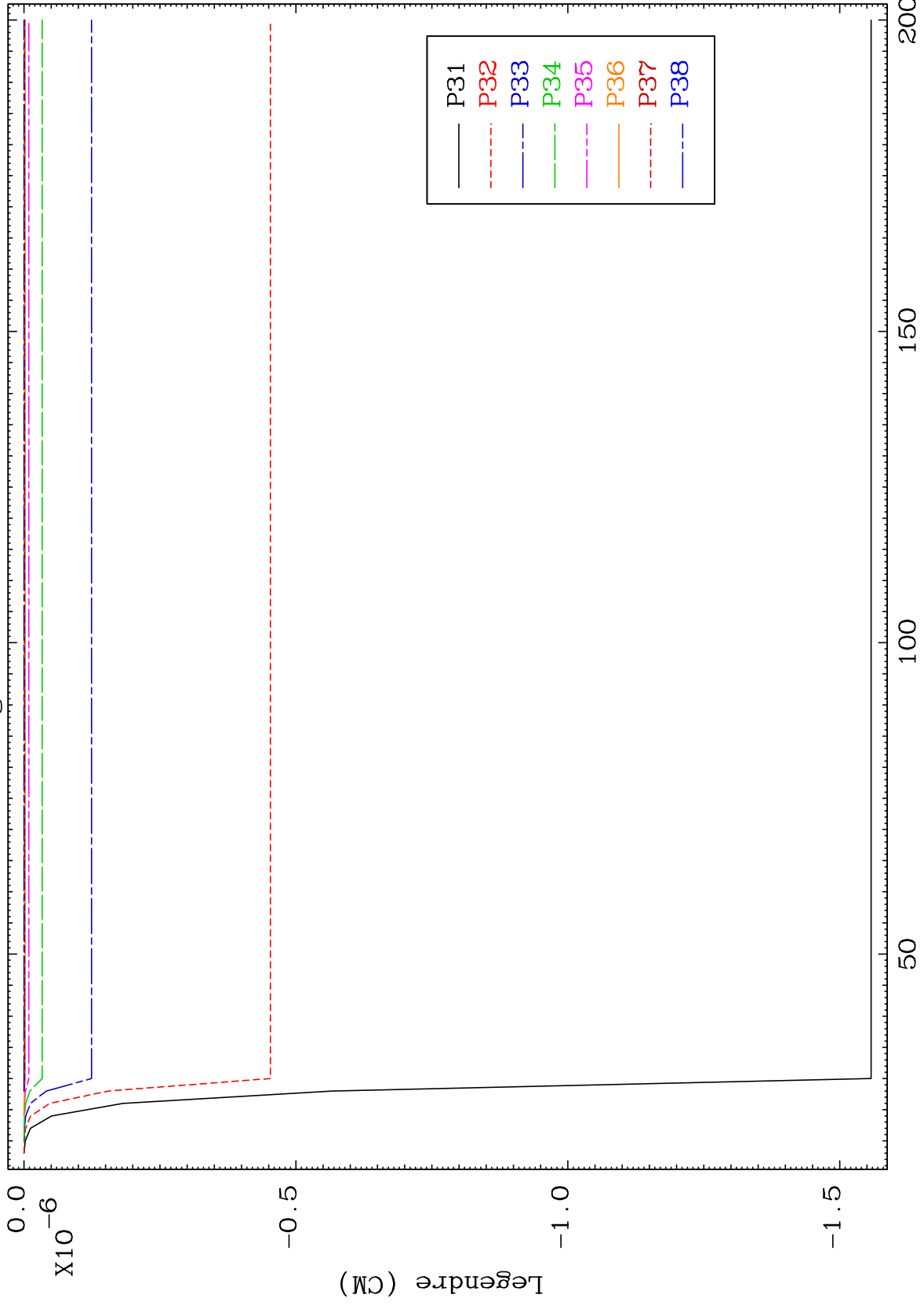
MAT 6928 MT= 58 (n,n') Level Legendre Coefficients 69-Tm-170



MAT 6928

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

69-Tm-170

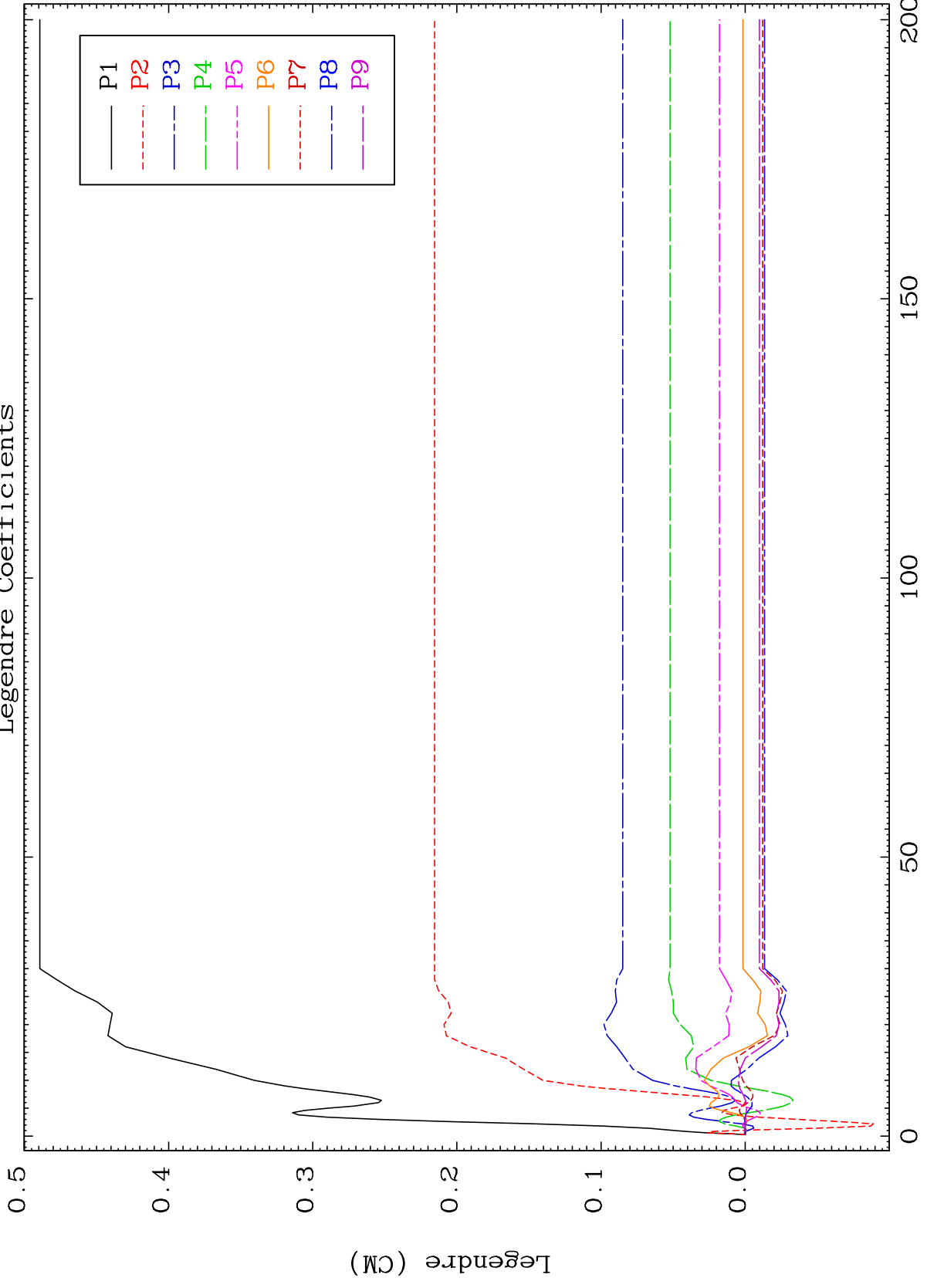


69-Tm-170

Incident Energy (MeV)

45

MAT 6928 MT= 59 (n,n') Level Legendre Coefficients 69-Tm-170

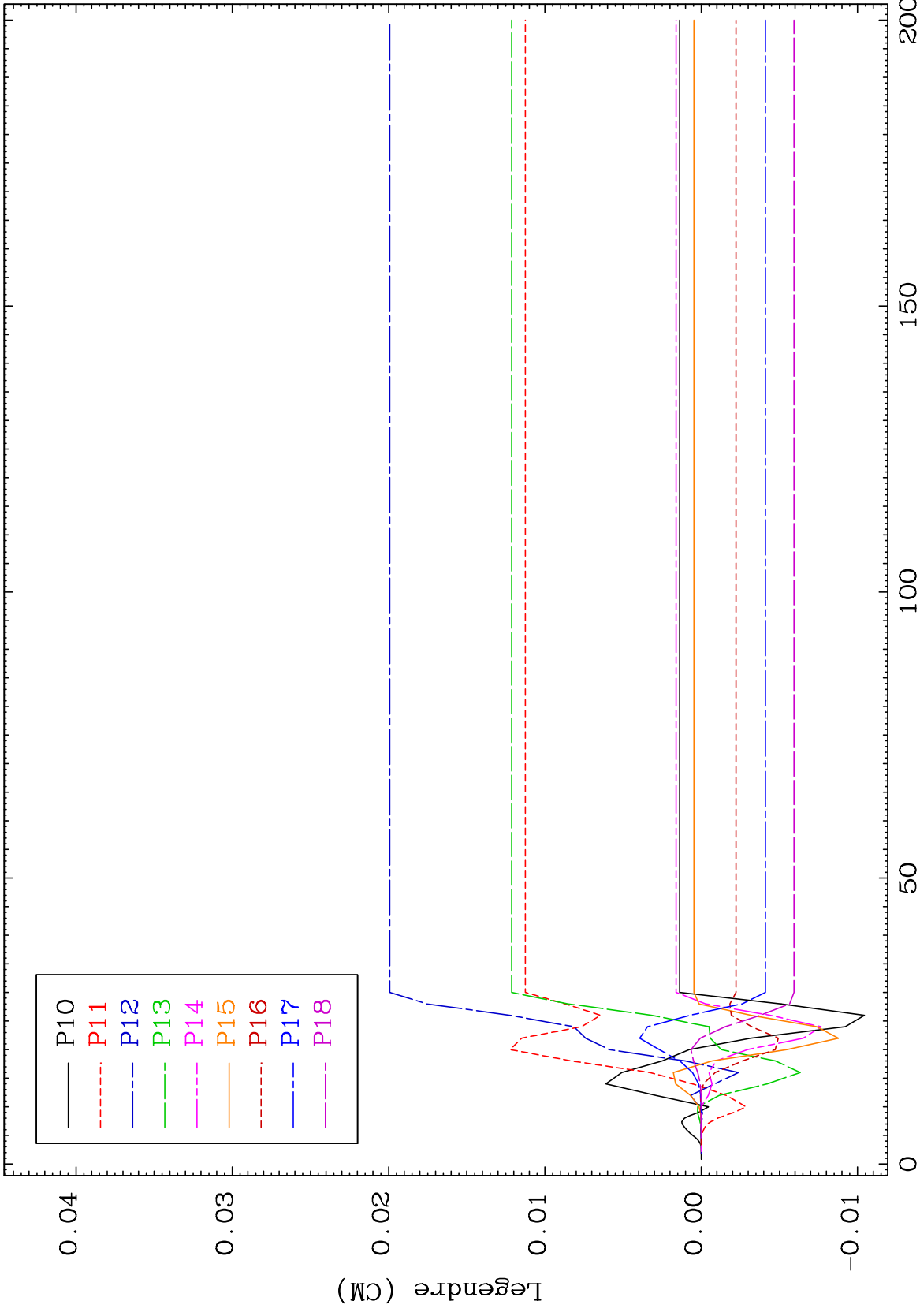


46 69-Tm-170

MAT 6928

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

69-Tm-170



47

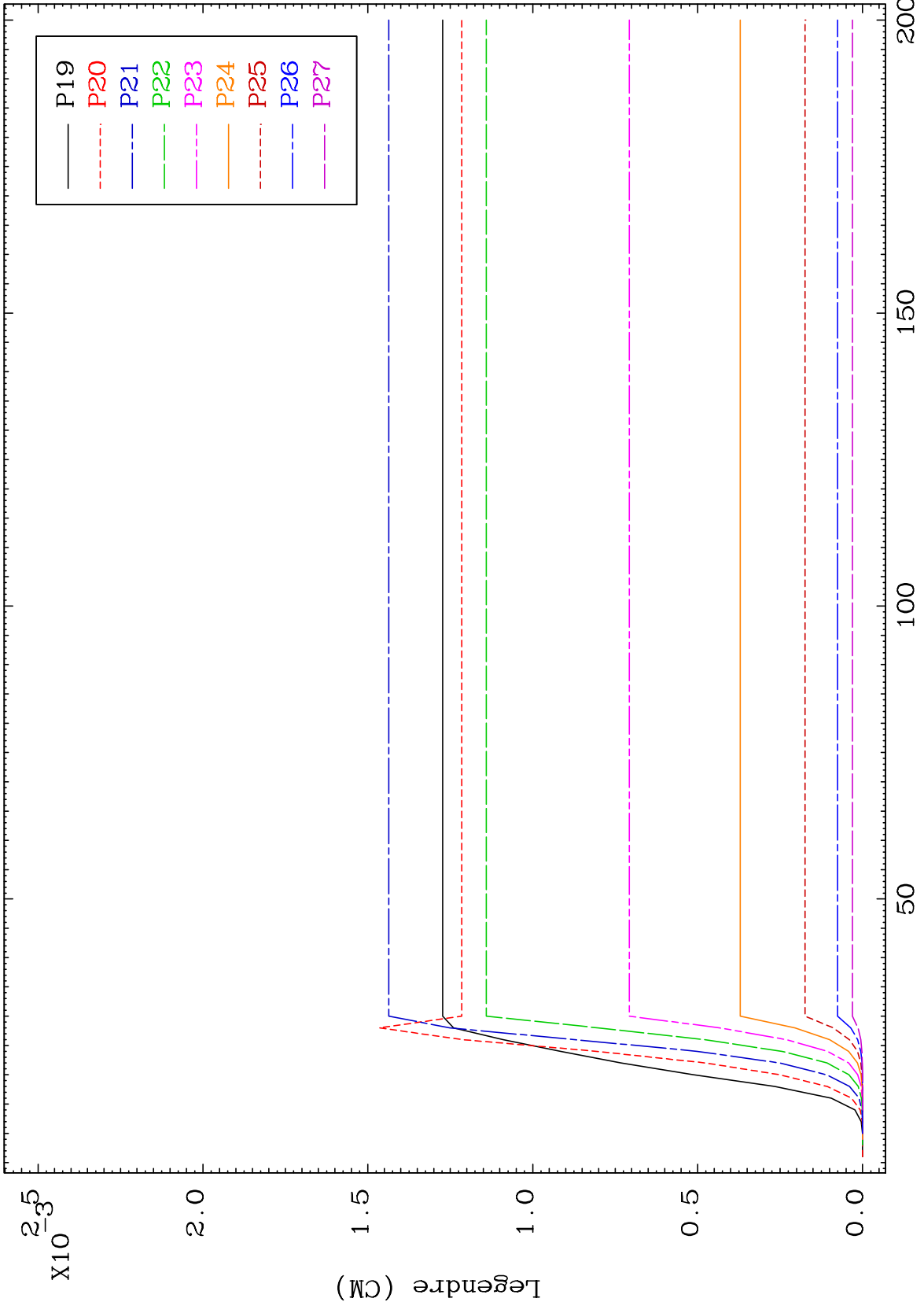
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170



48

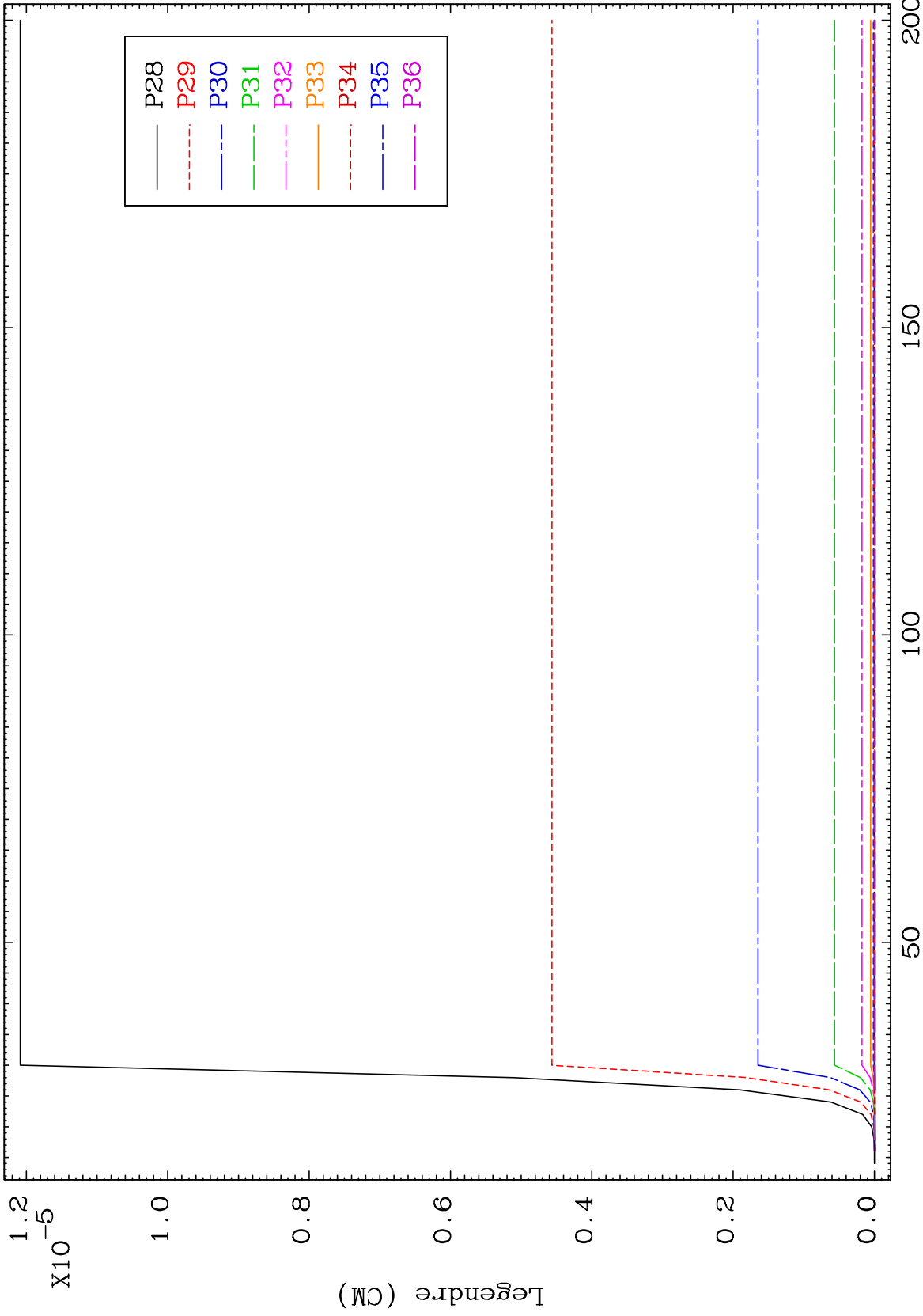
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170



49

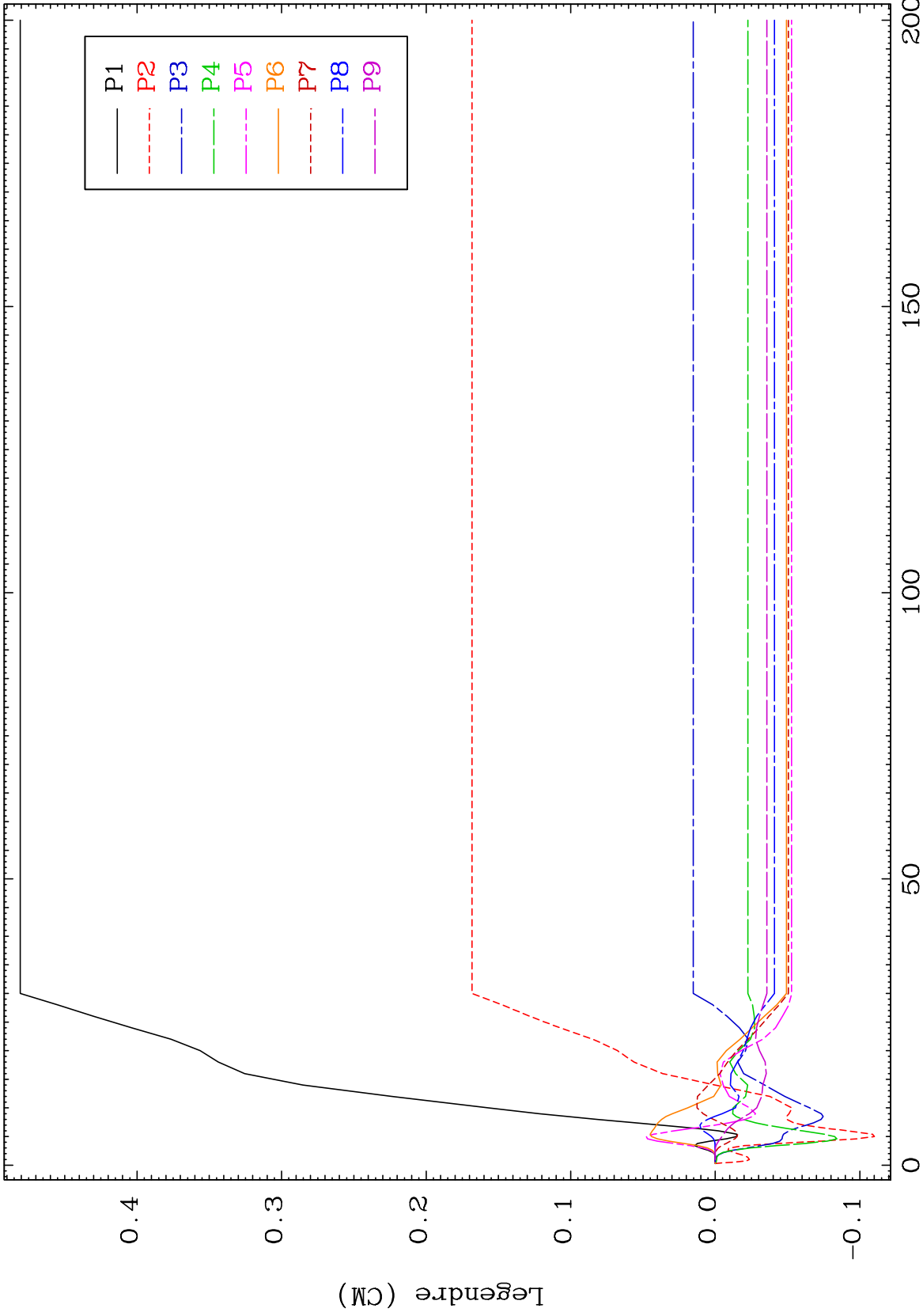
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170



69-Tm-170

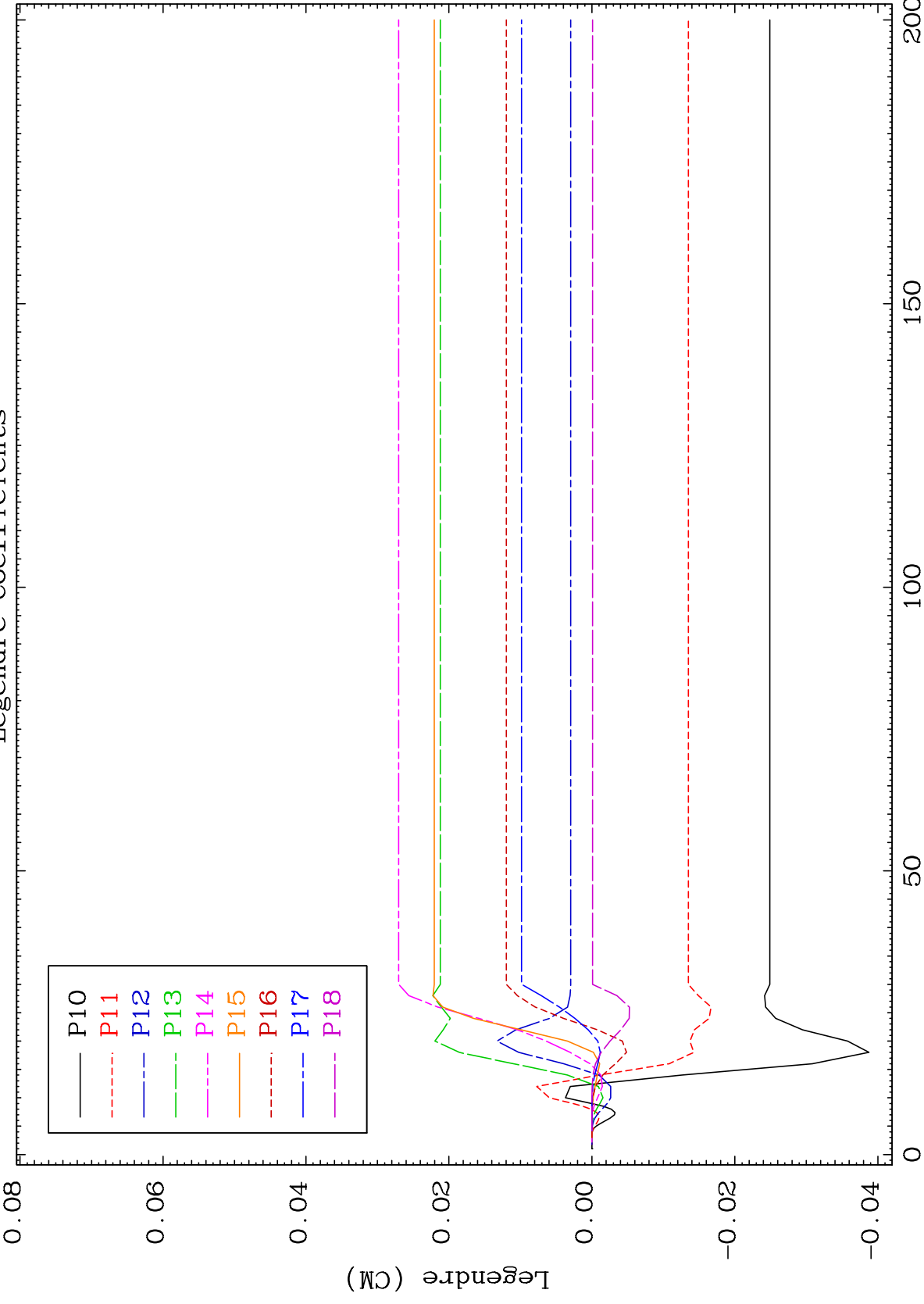
Incident Energy (MeV)

50

MAT 6928

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

69-Tm-170



69-Tm-170

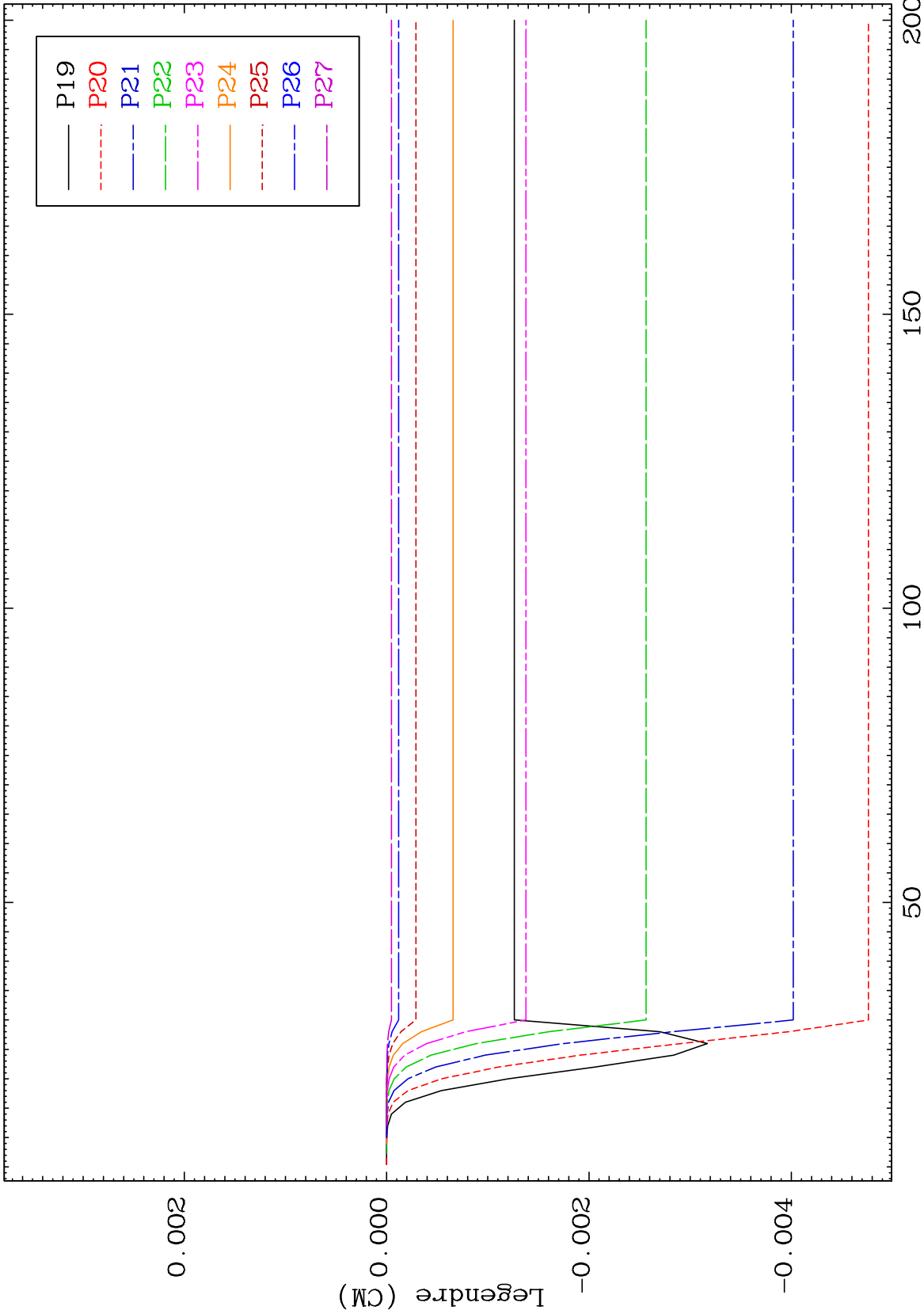
Incident Energy (MeV)

51

MAT 6928

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

69-Tm-170



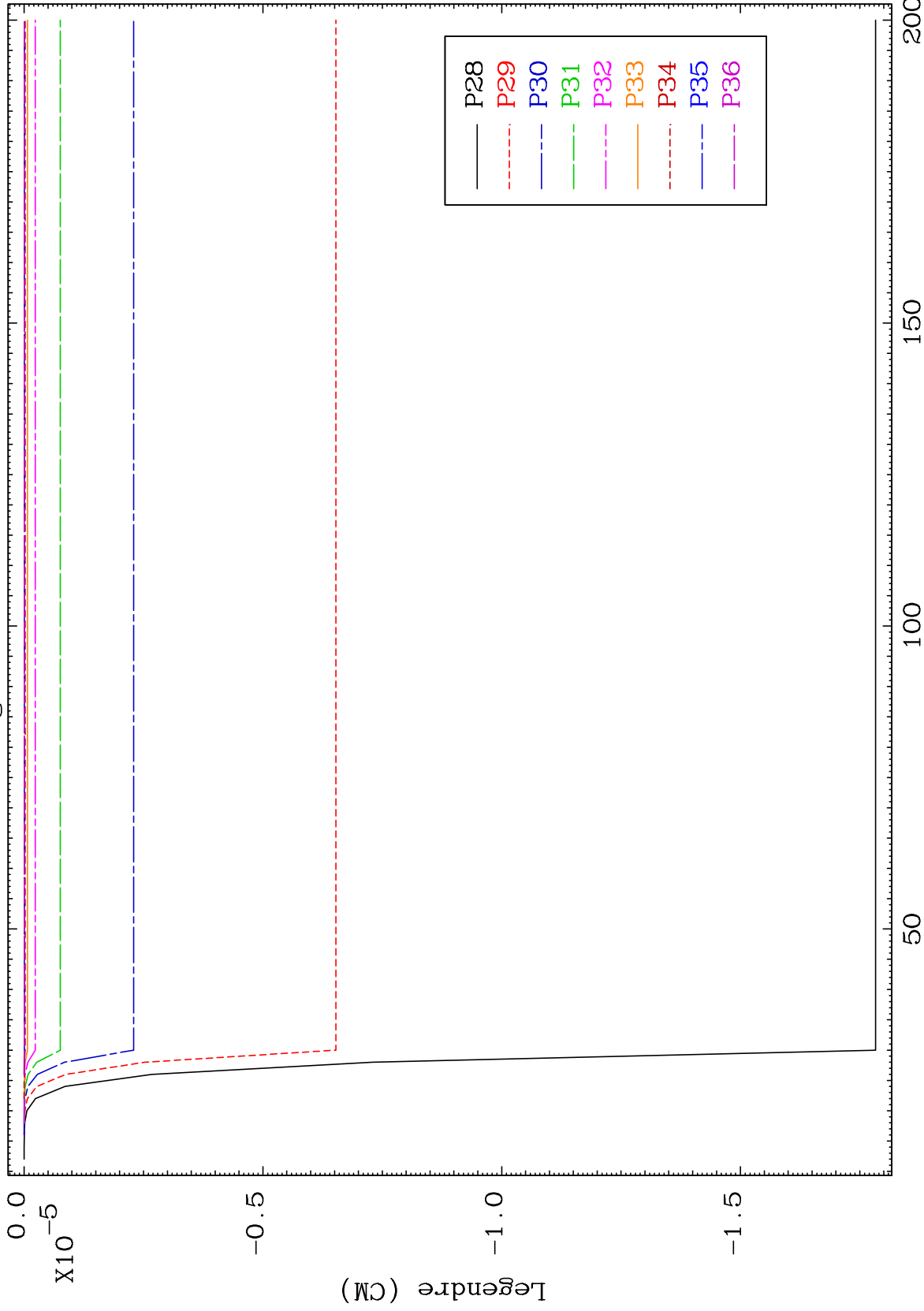
52

Incident Energy (MeV)

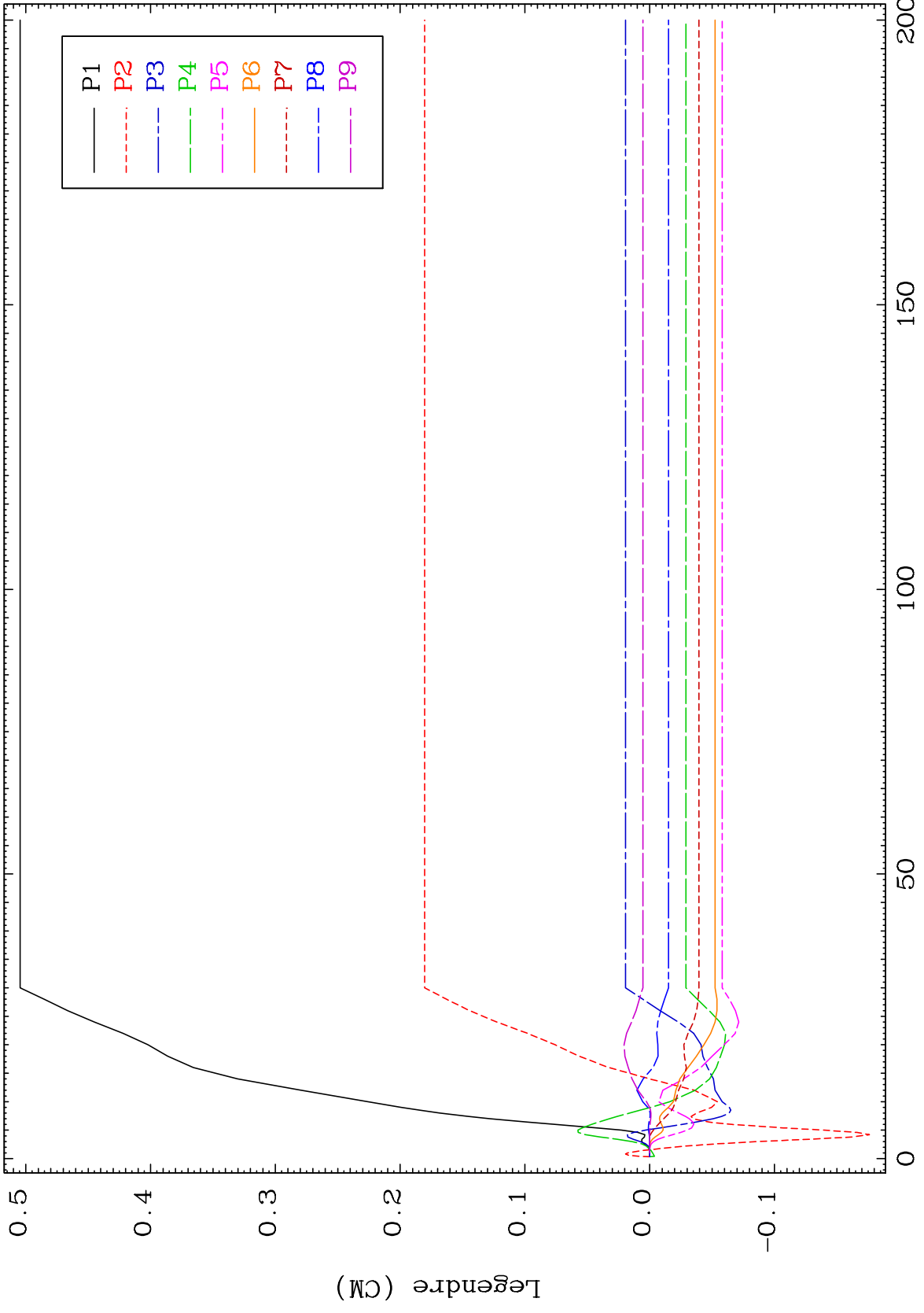
69-Tm-170

MAT 6928 MT= 60 (n, n') Level 69-Tm-170

Legendre Coefficients



MAT 6928 MT= 61 (n,n') Level Legendre Coefficients 69-Tm-170

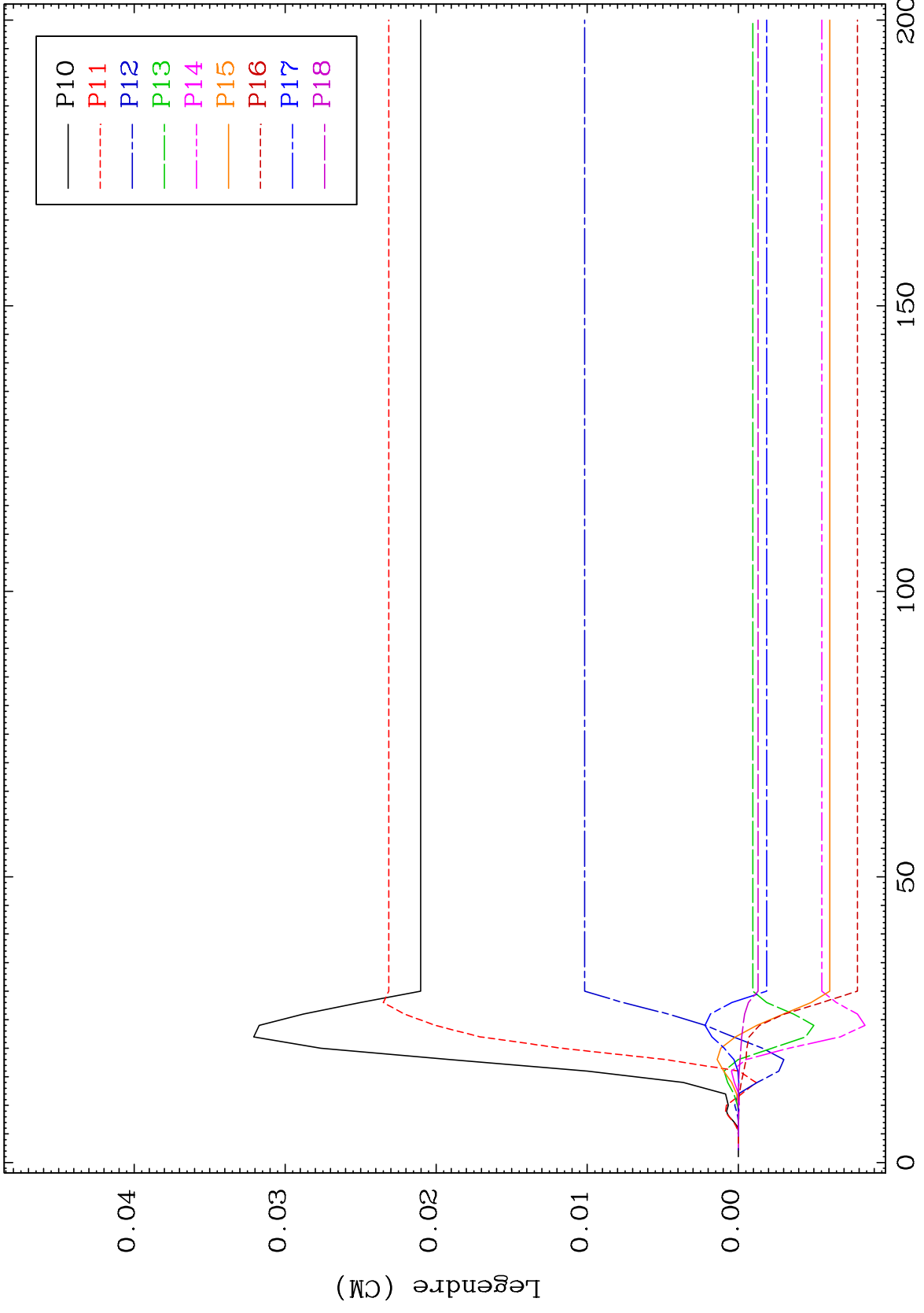


54 69-Tm-170

MAT 6928

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

69-Tm-170



55

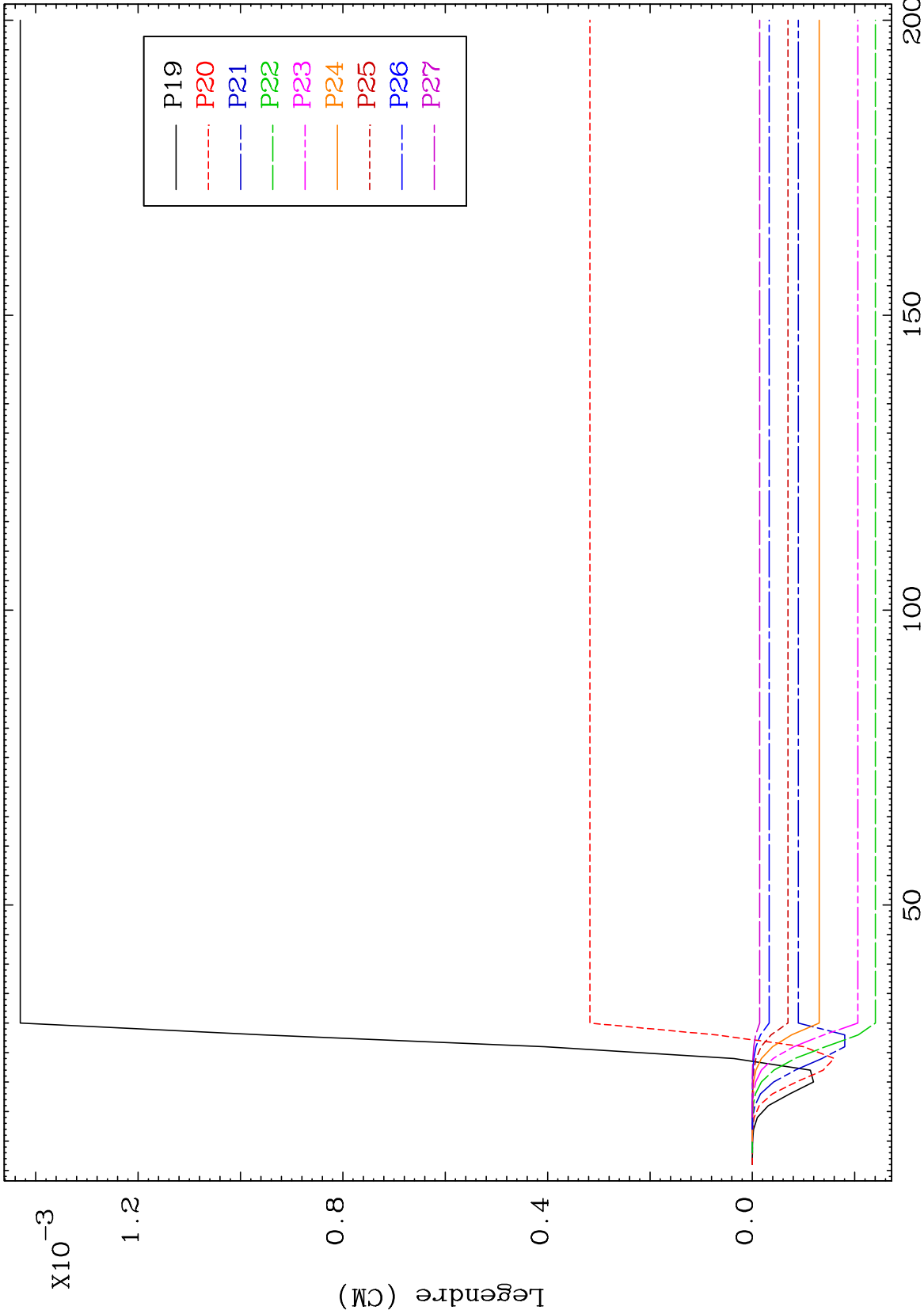
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170



56

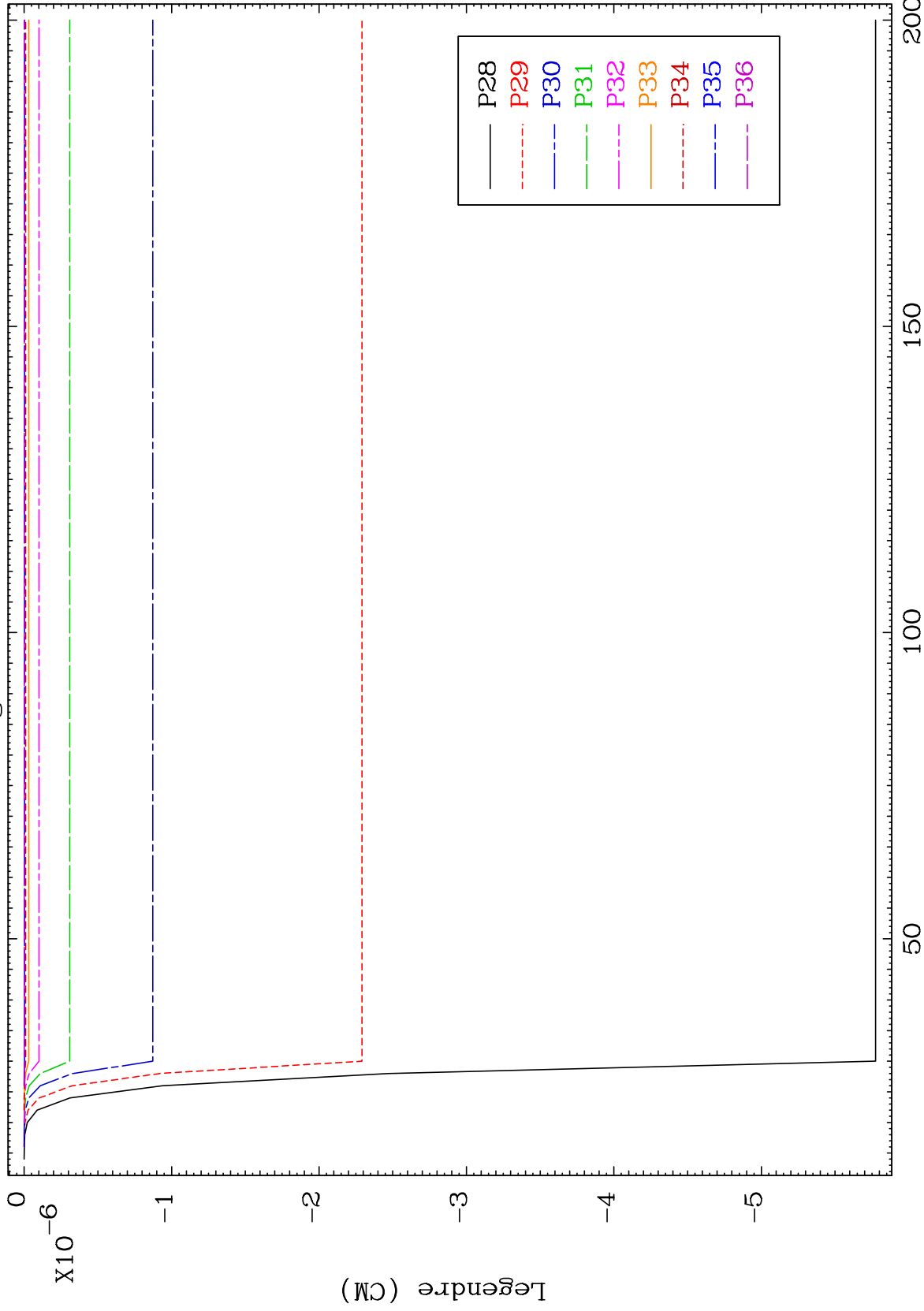
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

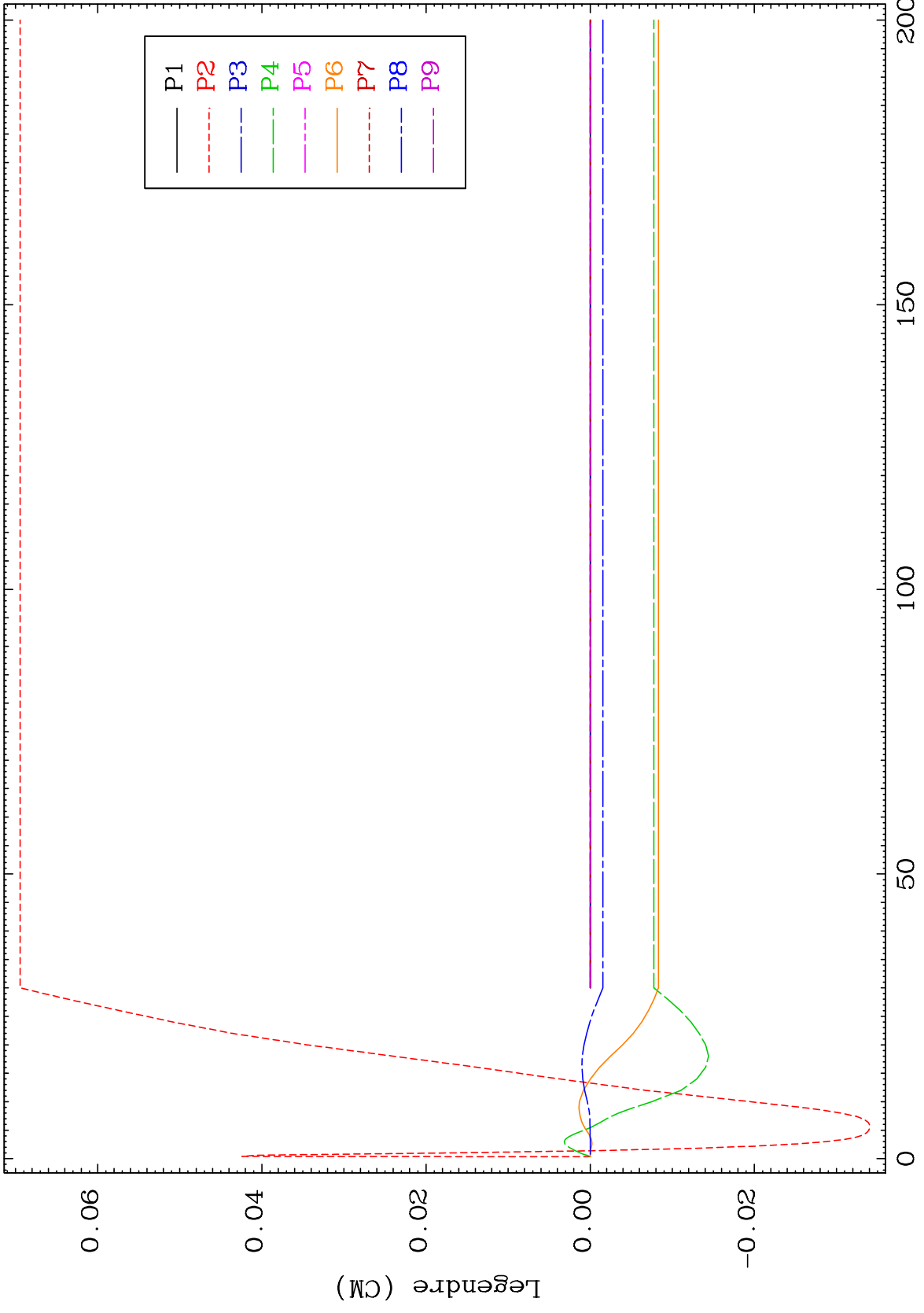
69-Tm-170



57

69-Tm-170

MAT 6928 MT= 62 (n,n') Level Legendre Coefficients 69-Tm-170

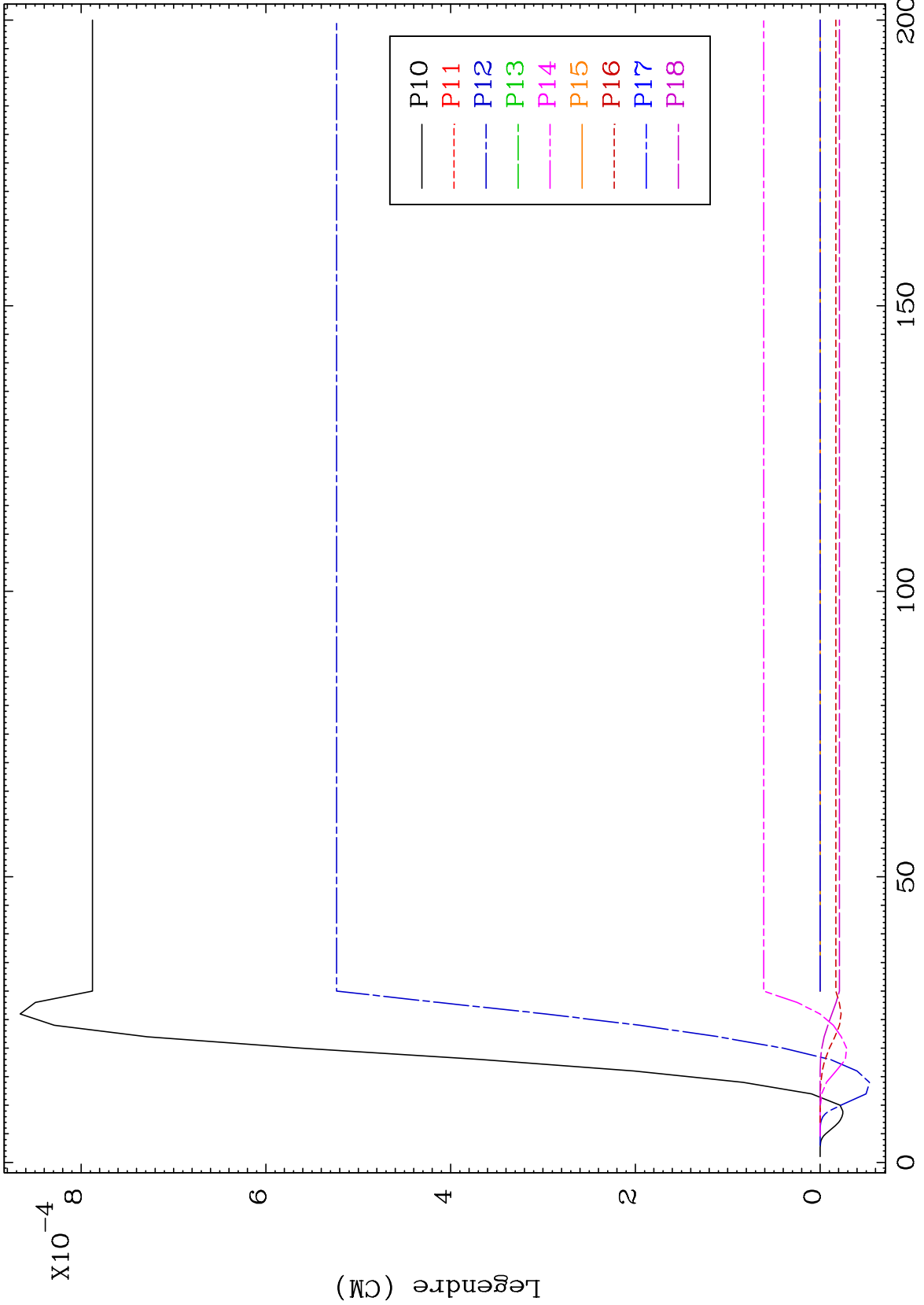


58 69-Tm-170

MAT 6928

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

69-Tm-170

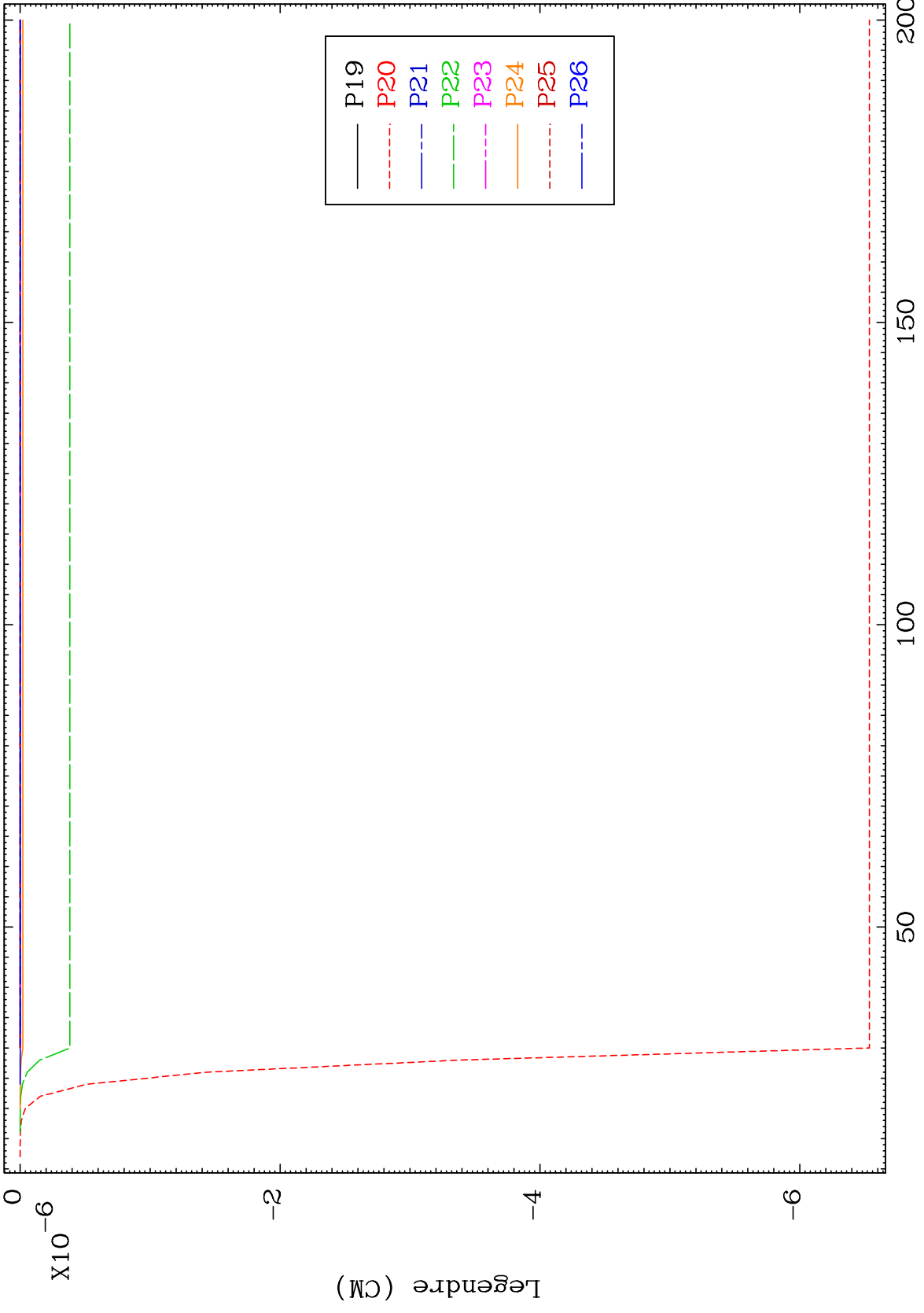


59

Incident Energy (MeV)

69-Tm-170

MAT 6928 MT= 62 (n,n') Level Legendre Coefficients 69-Tm-170

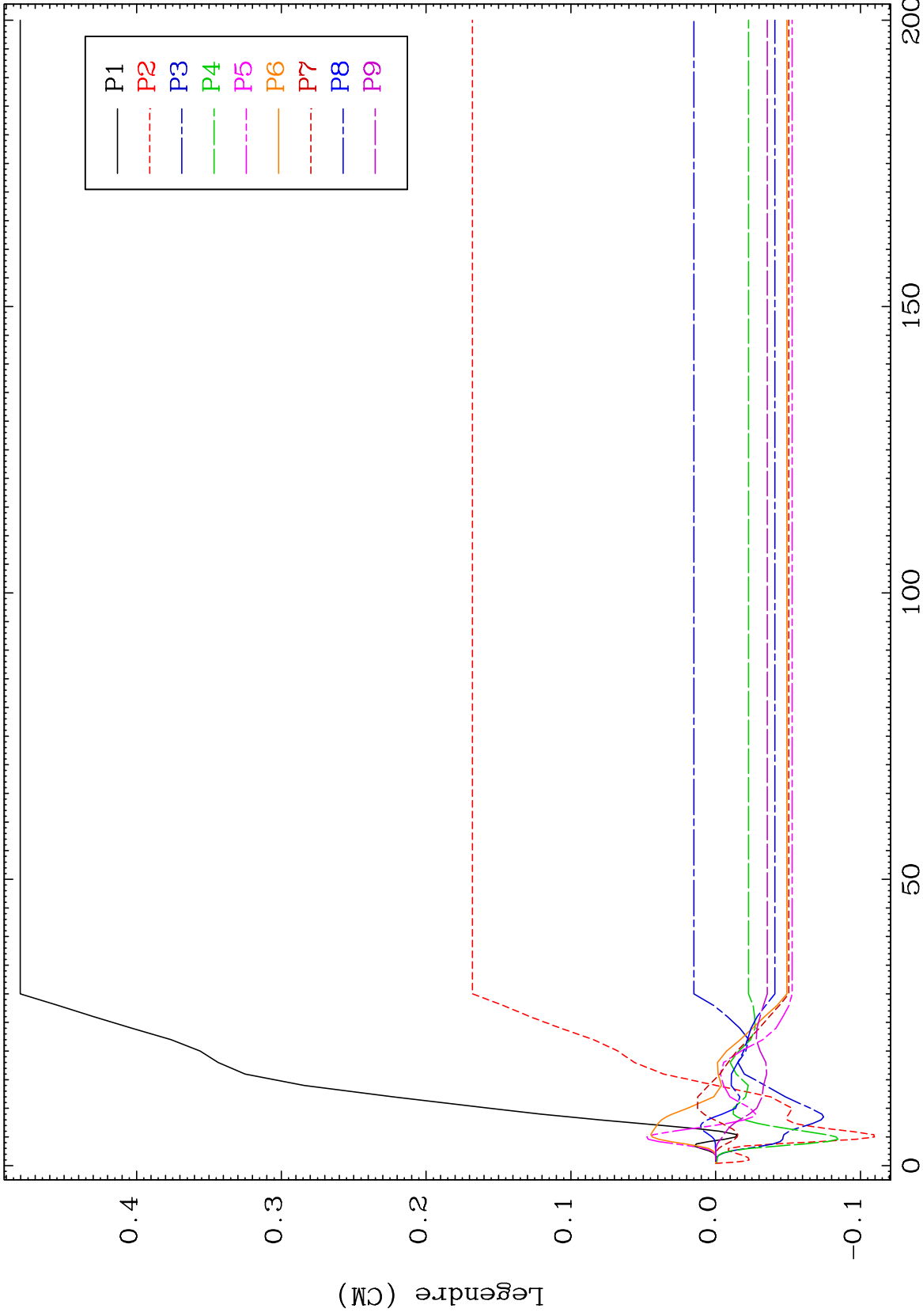


60 100 150 200 69-Tm-170

MAT 6928

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

69-Tm-170



61

Incident Energy (MeV)

69-Tm-170

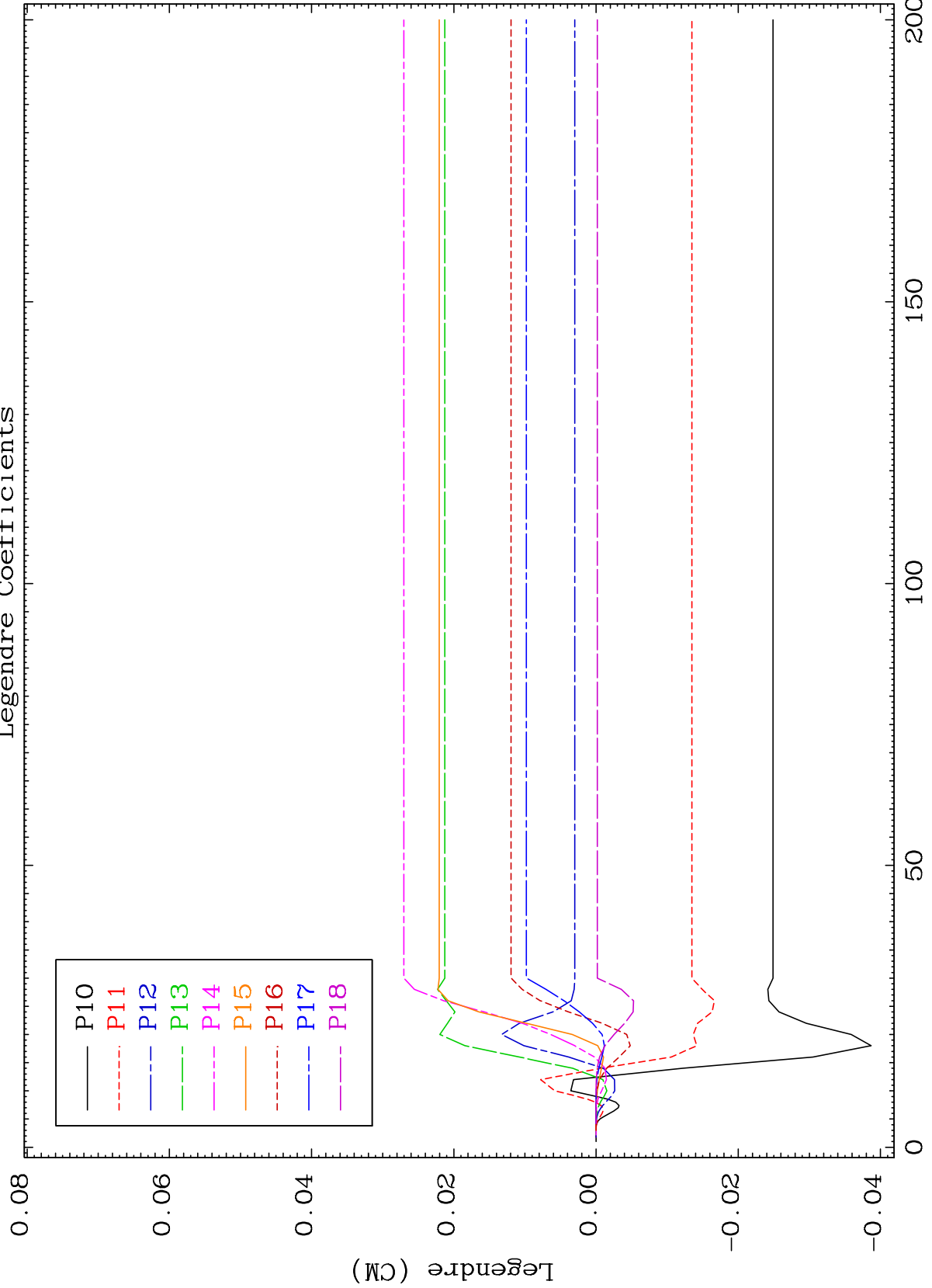
MAT 6928 MT= 63 (n,n') Level Legendre Coefficients

69-Tm-170

69-Tm-170

Incident Energy (MeV)

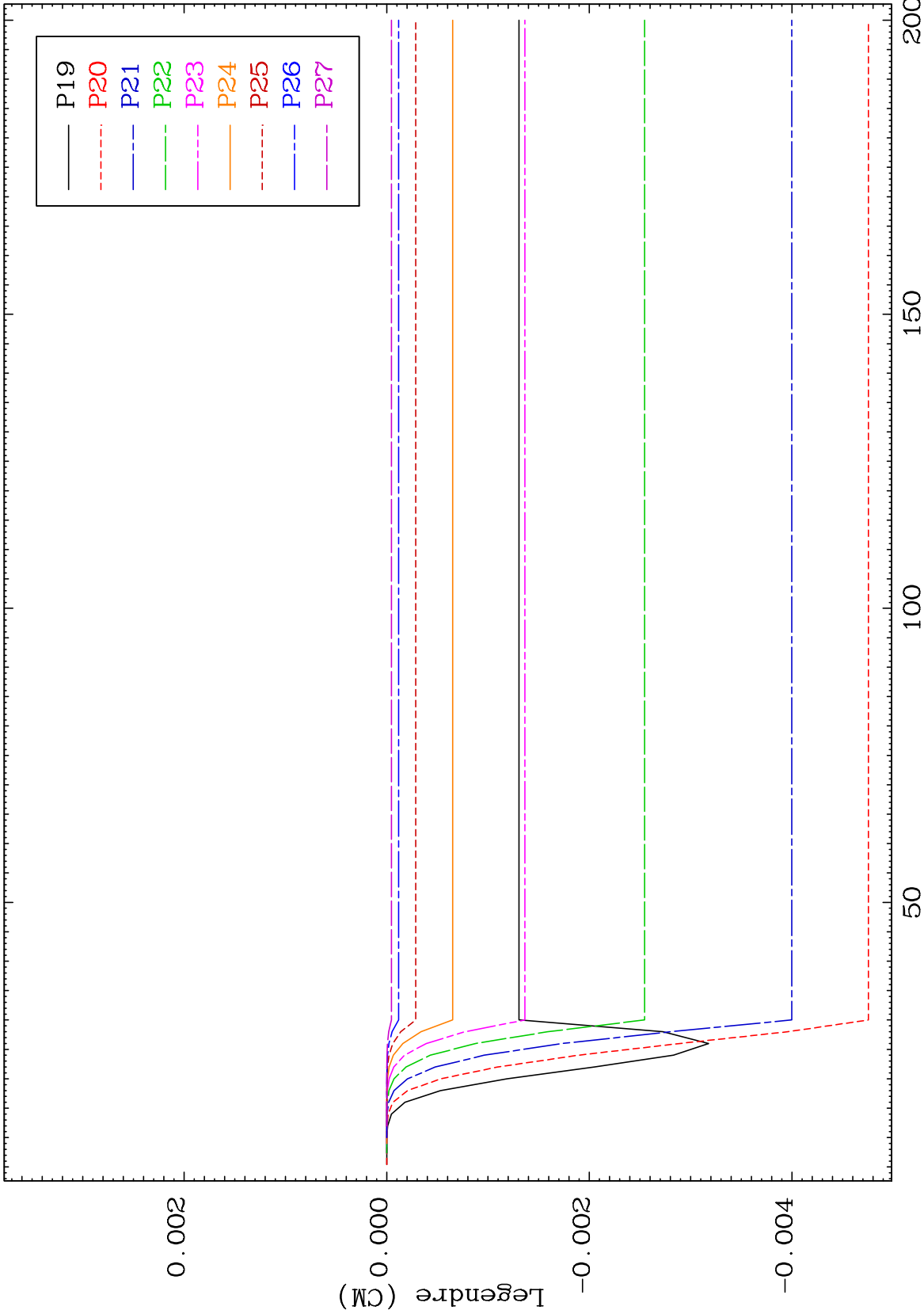
62



MAT 6928

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

69-Tm-170



63

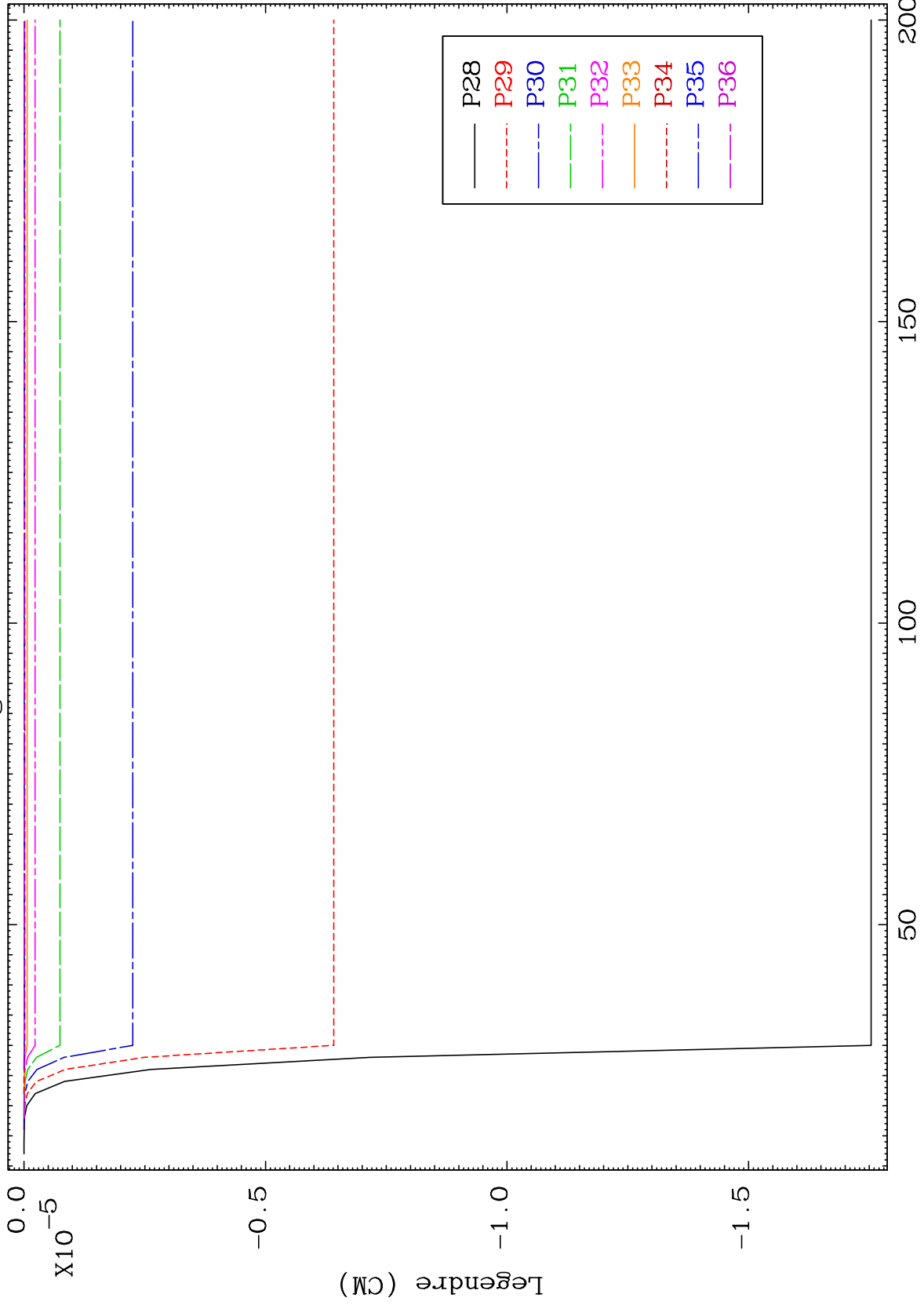
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170



64

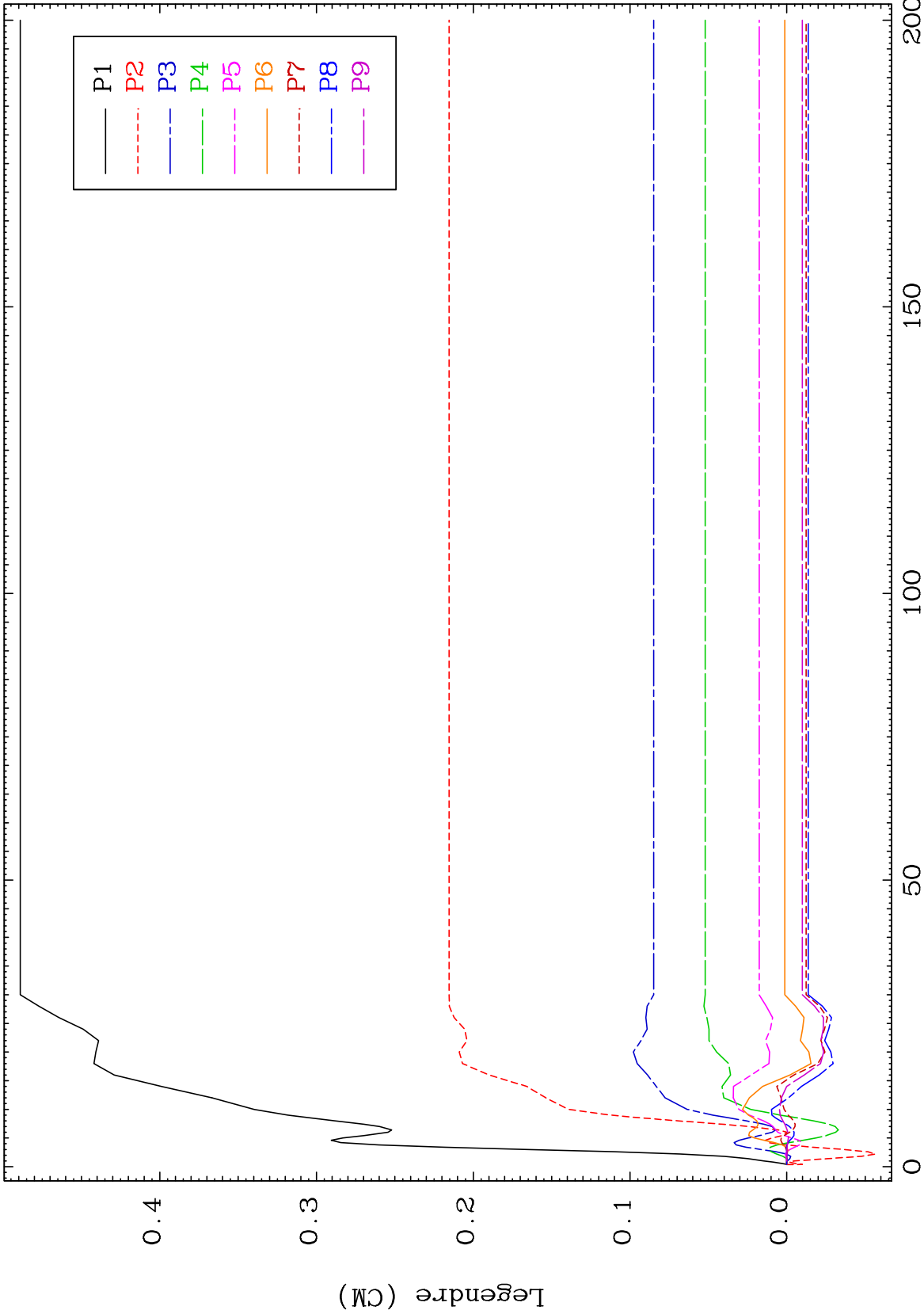
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170



65

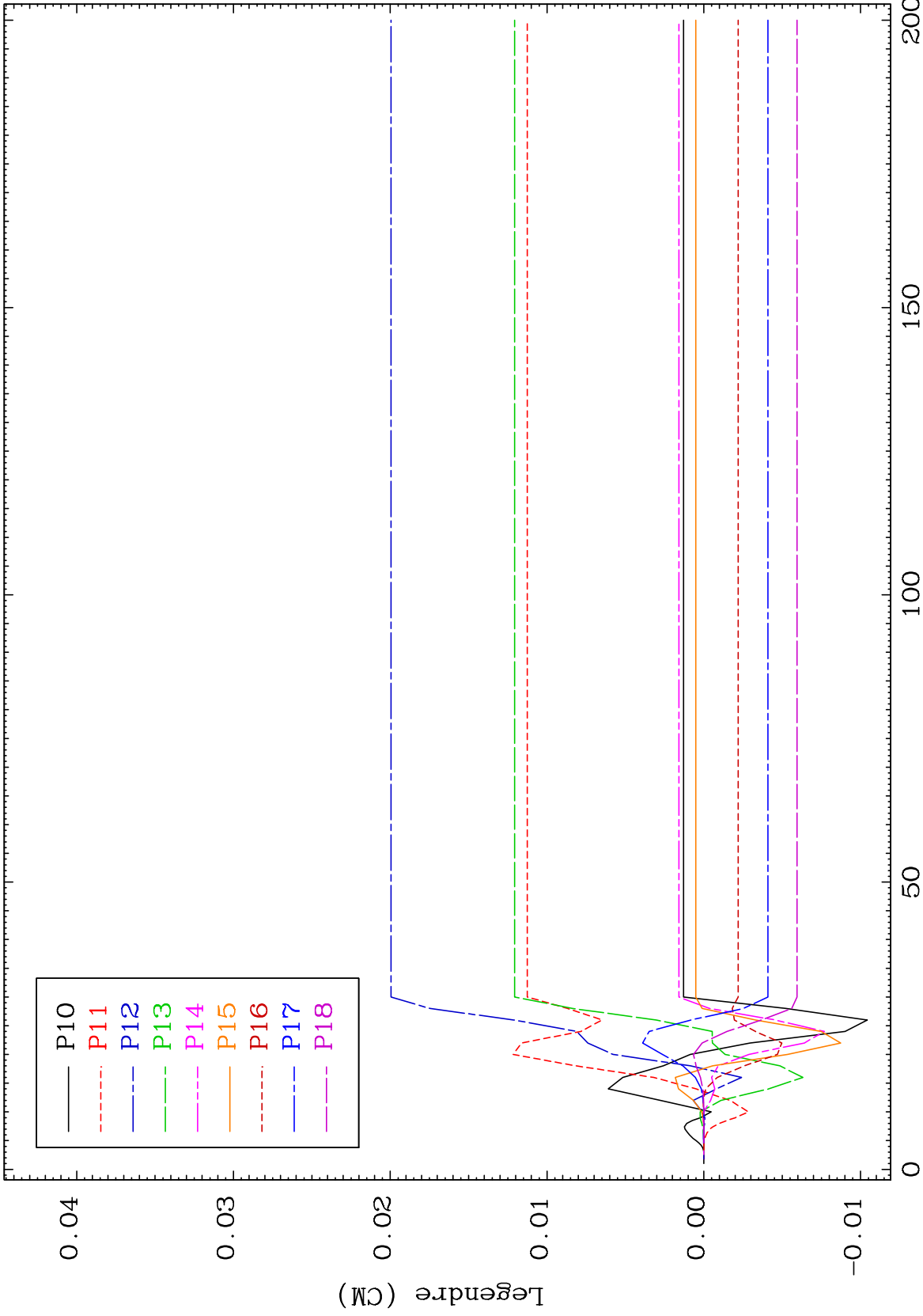
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170



66

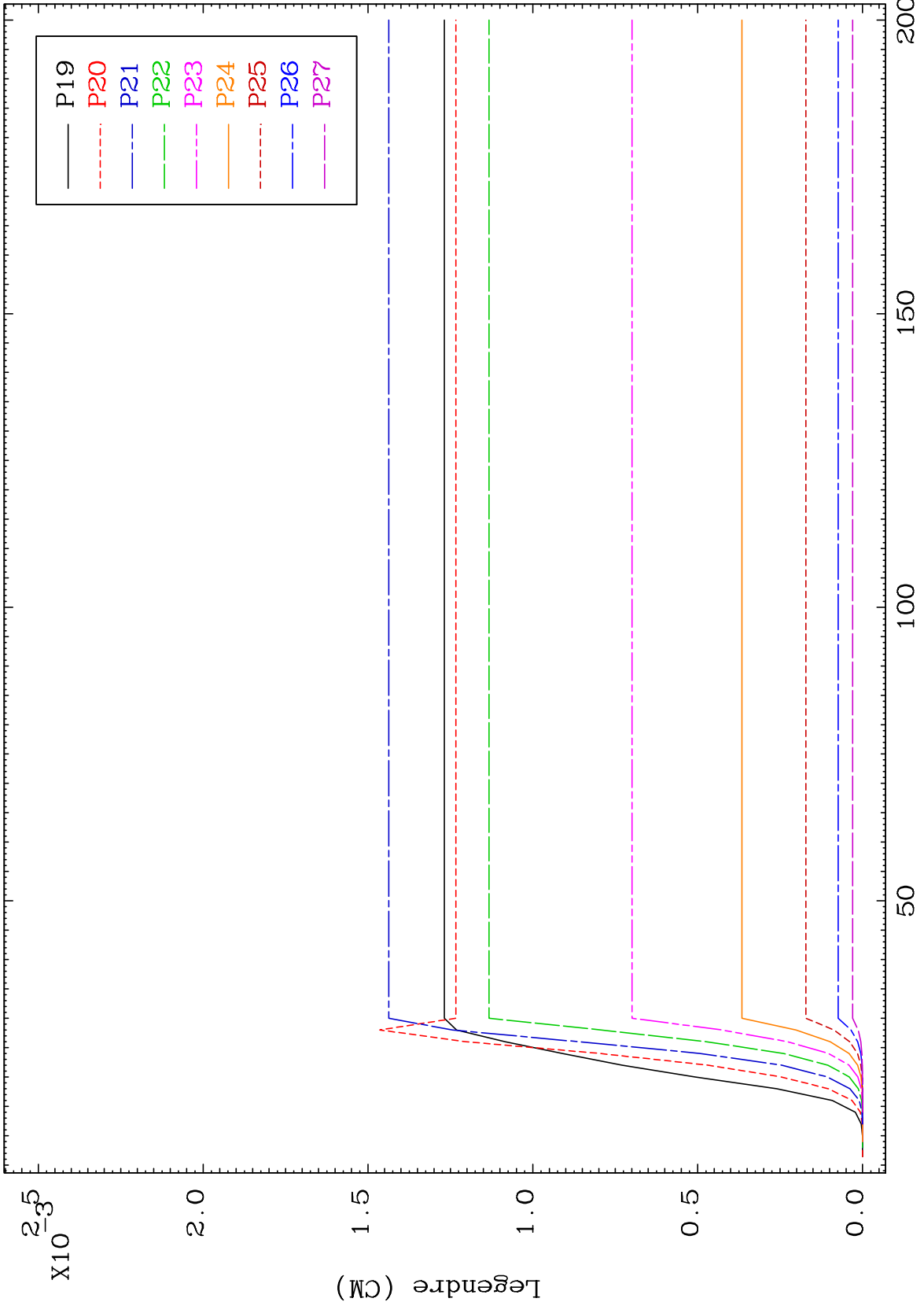
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170



67

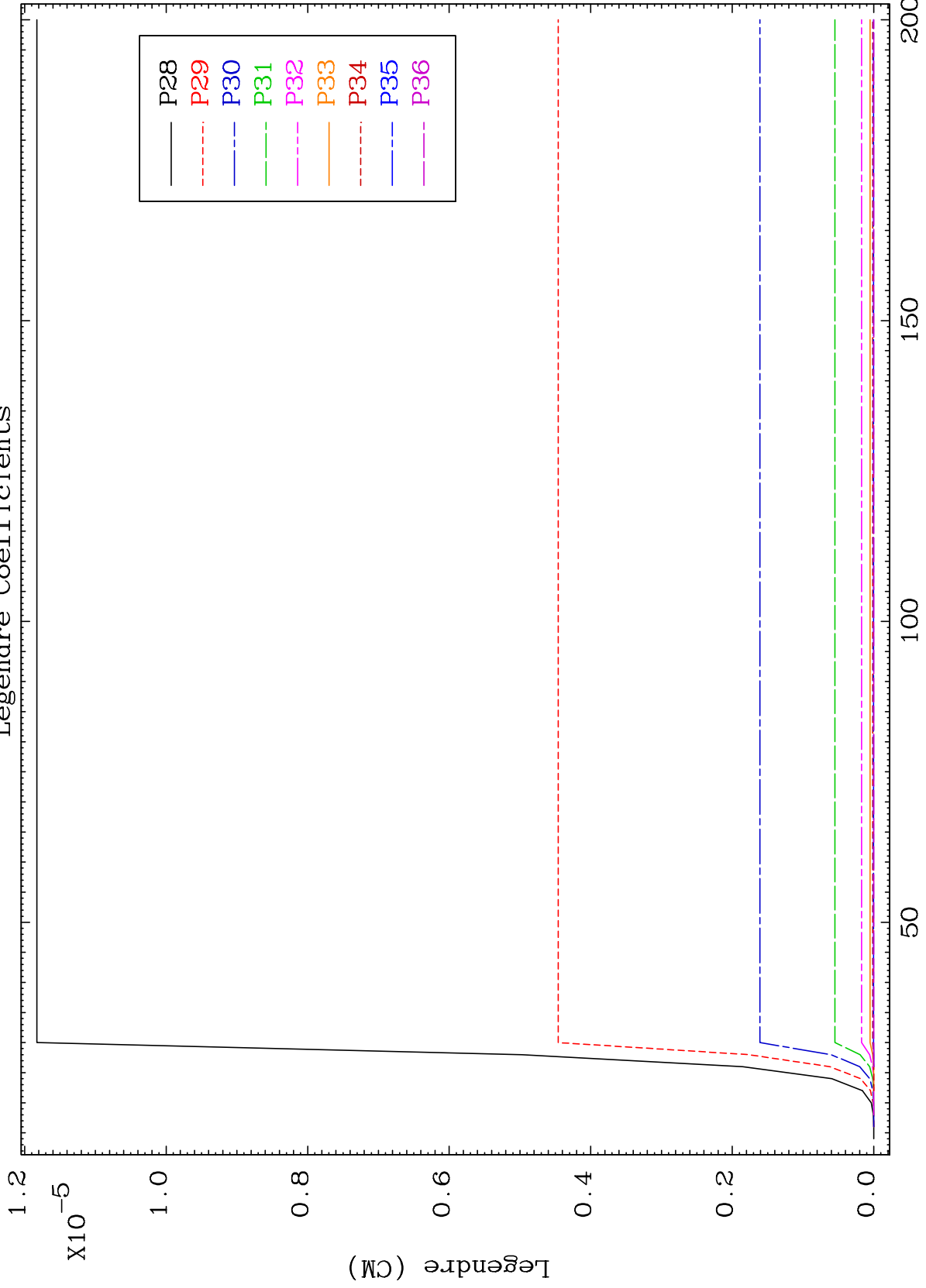
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170



69-Tm-170

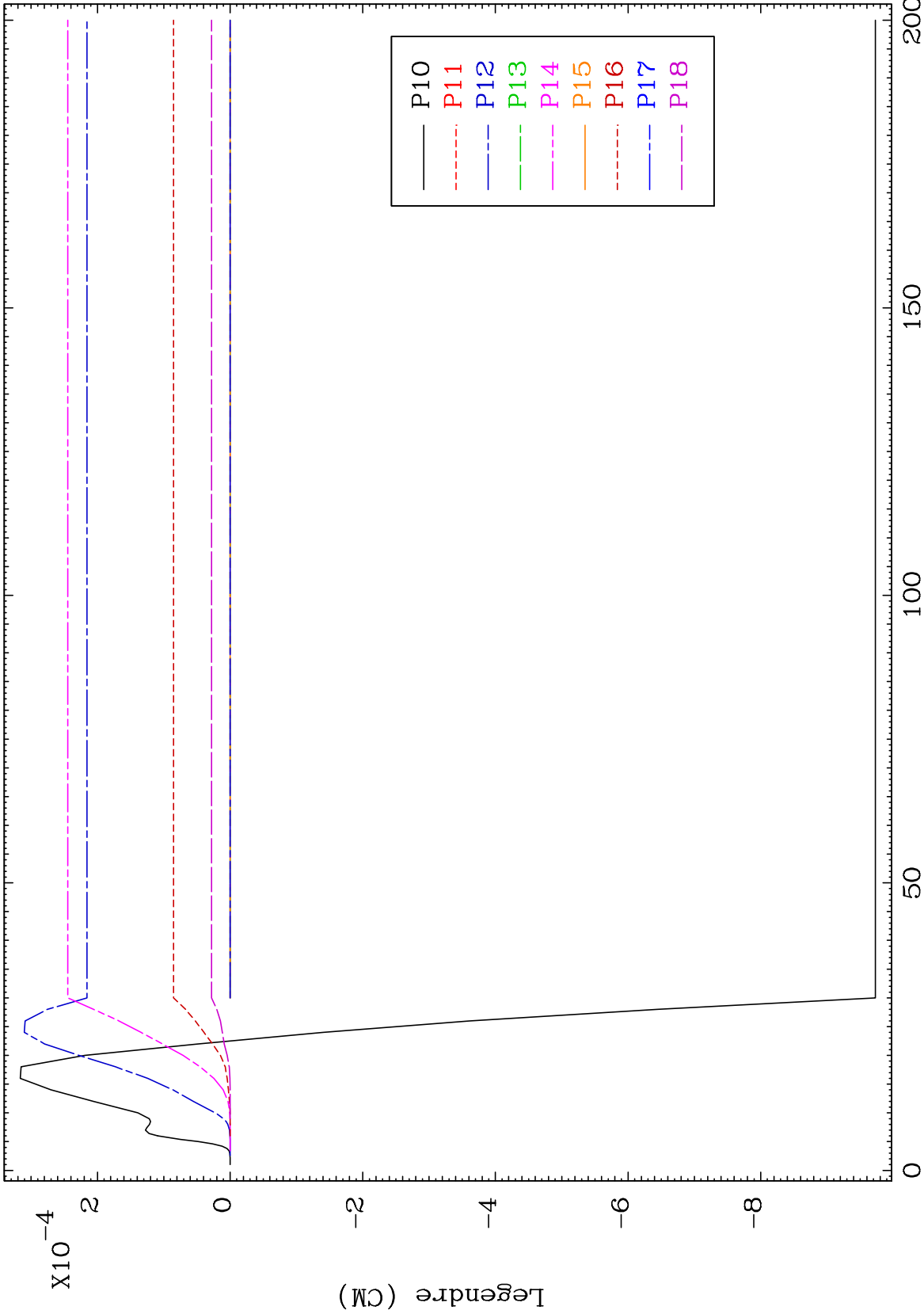
Incident Energy (MeV)

68

MAT 6928

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

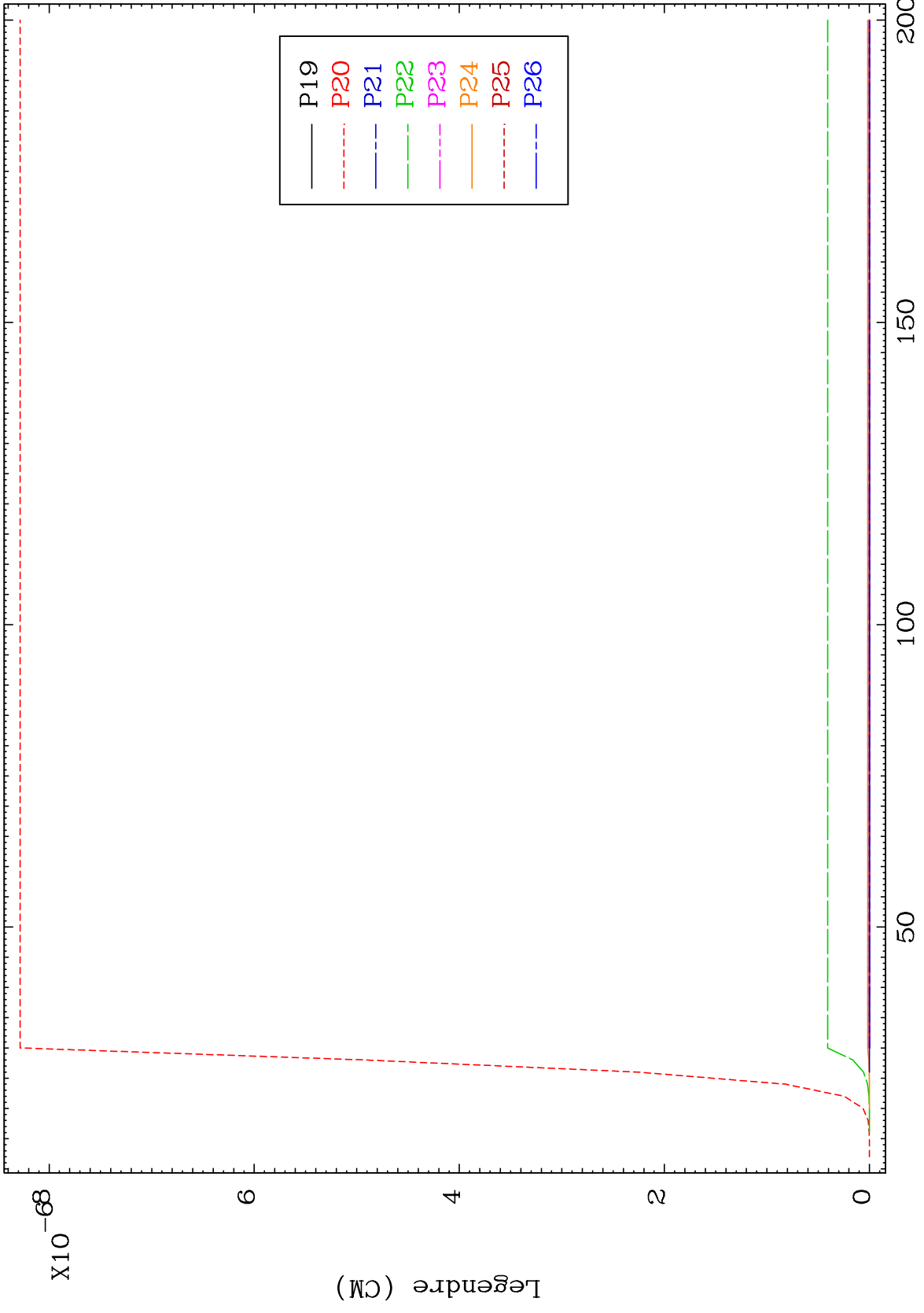
69-Tm-170



70

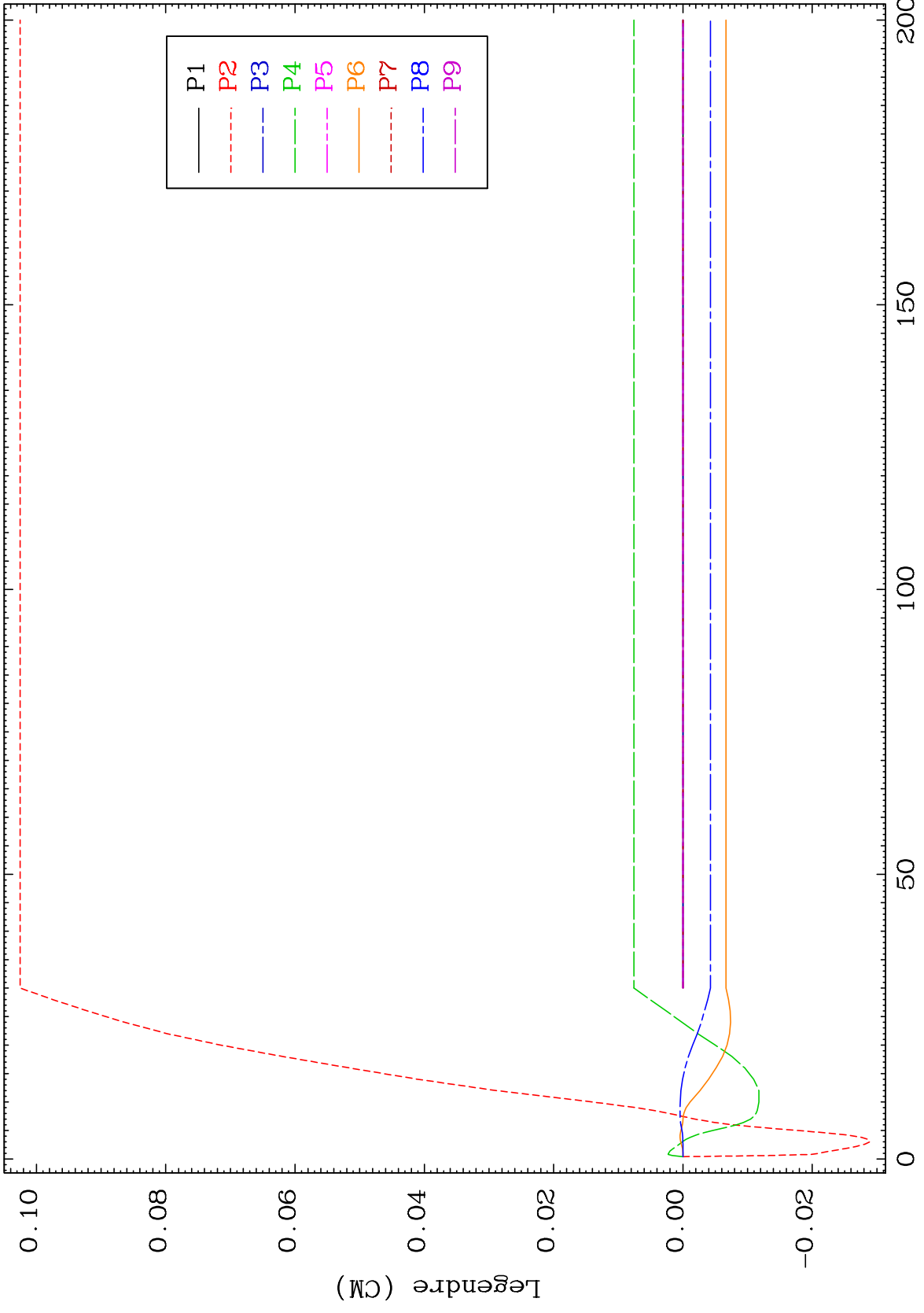
69-Tm-170

MAT 6928 MT= 65 (n,n') Level Legendre Coefficients 69-Tm-170



71 69-Tm-170

MAT 6928 MT= 66 (n,n') Level Legendre Coefficients 69-Tm-170

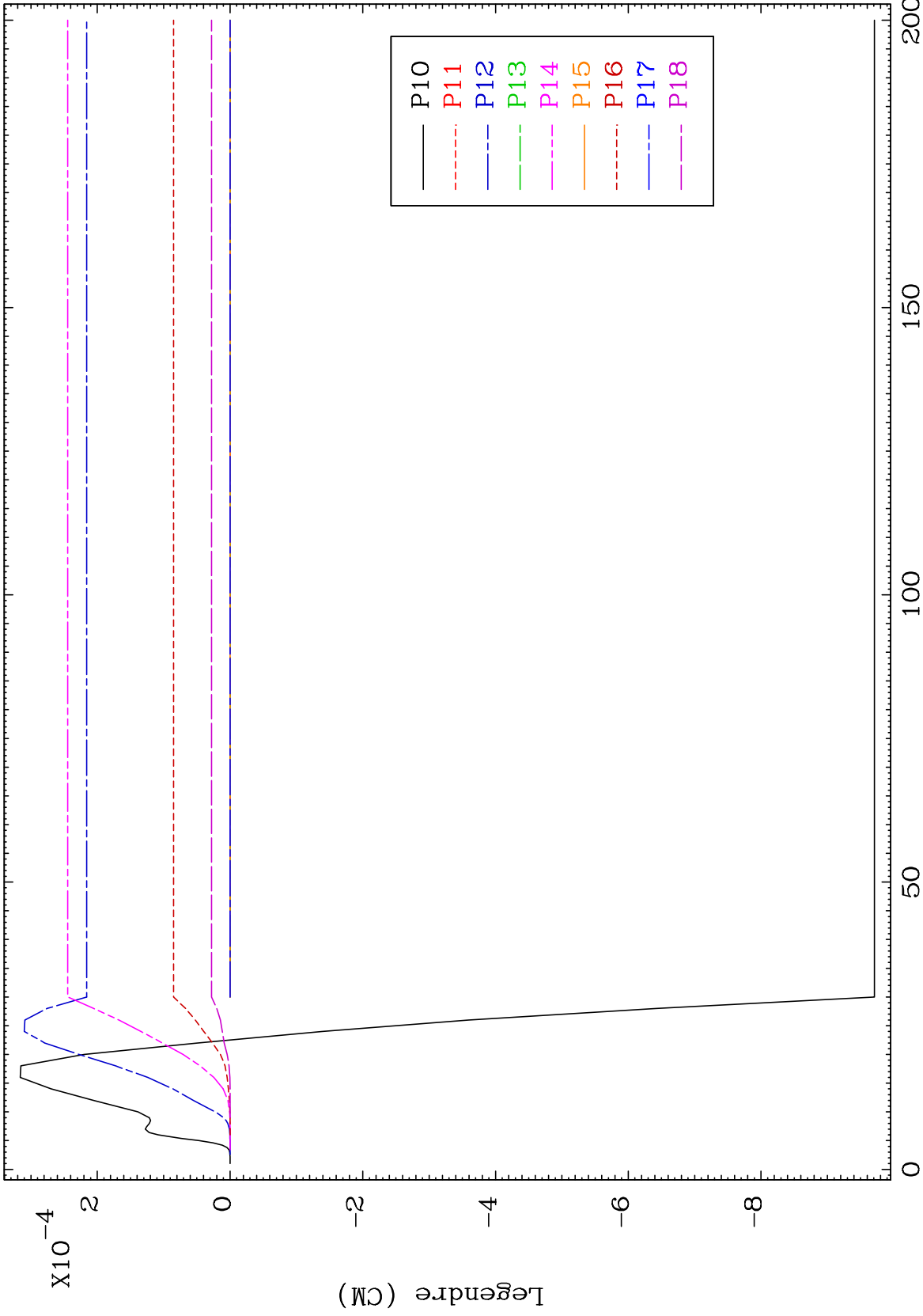


72 69-Tm-170

MAT 6928

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

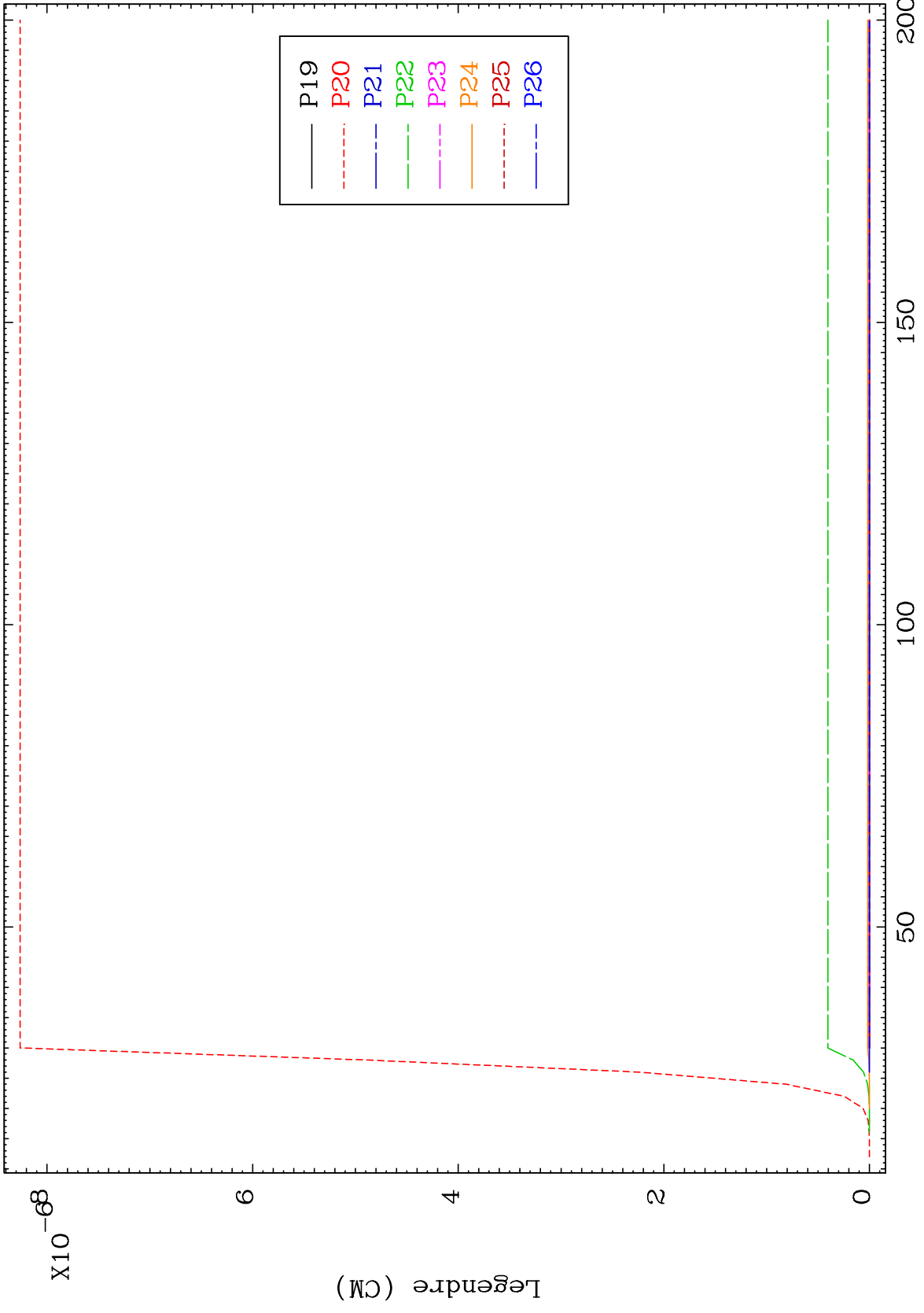
69-Tm-170



73

69-Tm-170

MAT 6928 MT= 66 (n,n') Level Legendre Coefficients 69-Tm-170

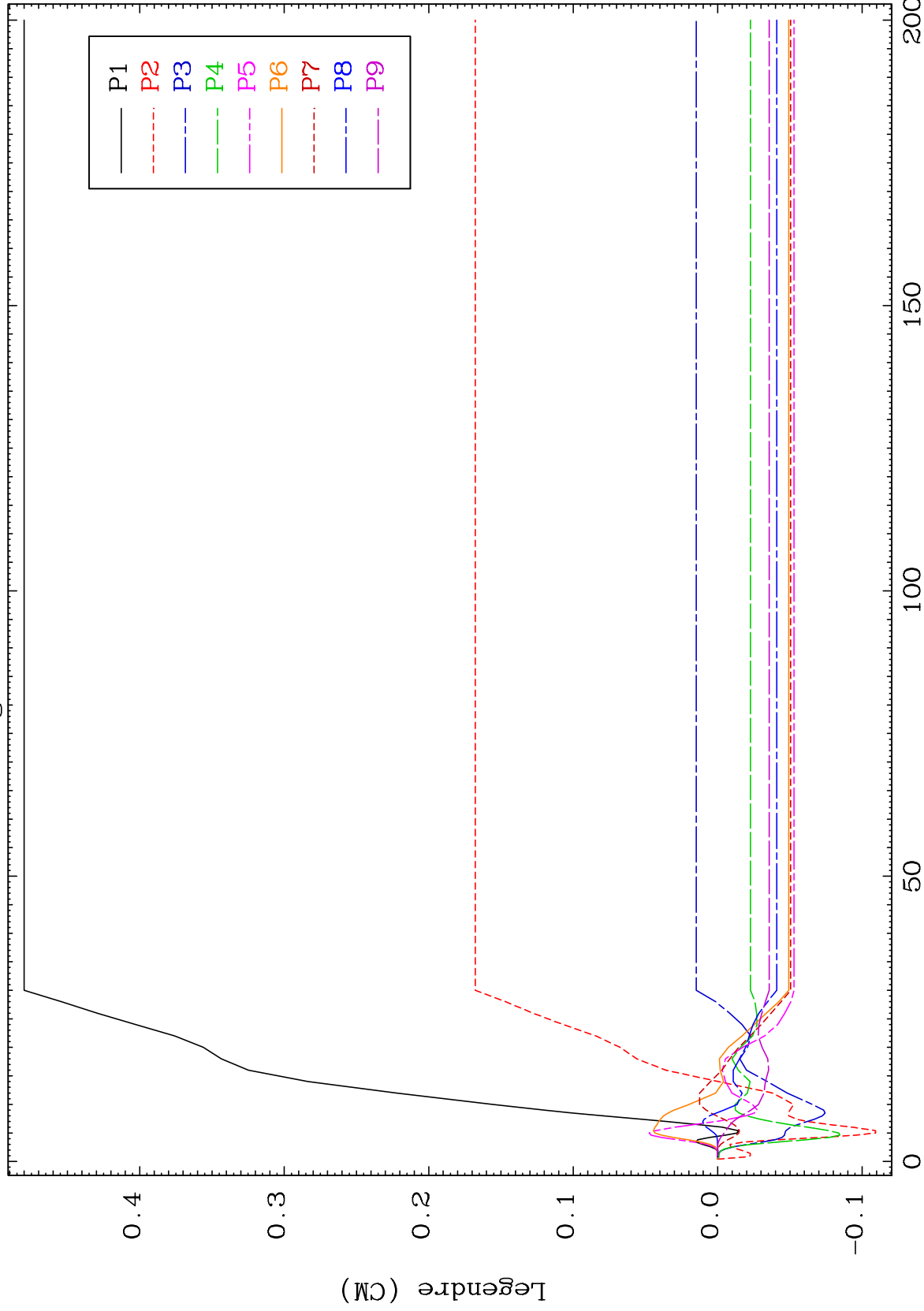


74 50 100 150 200 69-Tm-170

MAT 6928

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

69-Tm-170



69-Tm-170

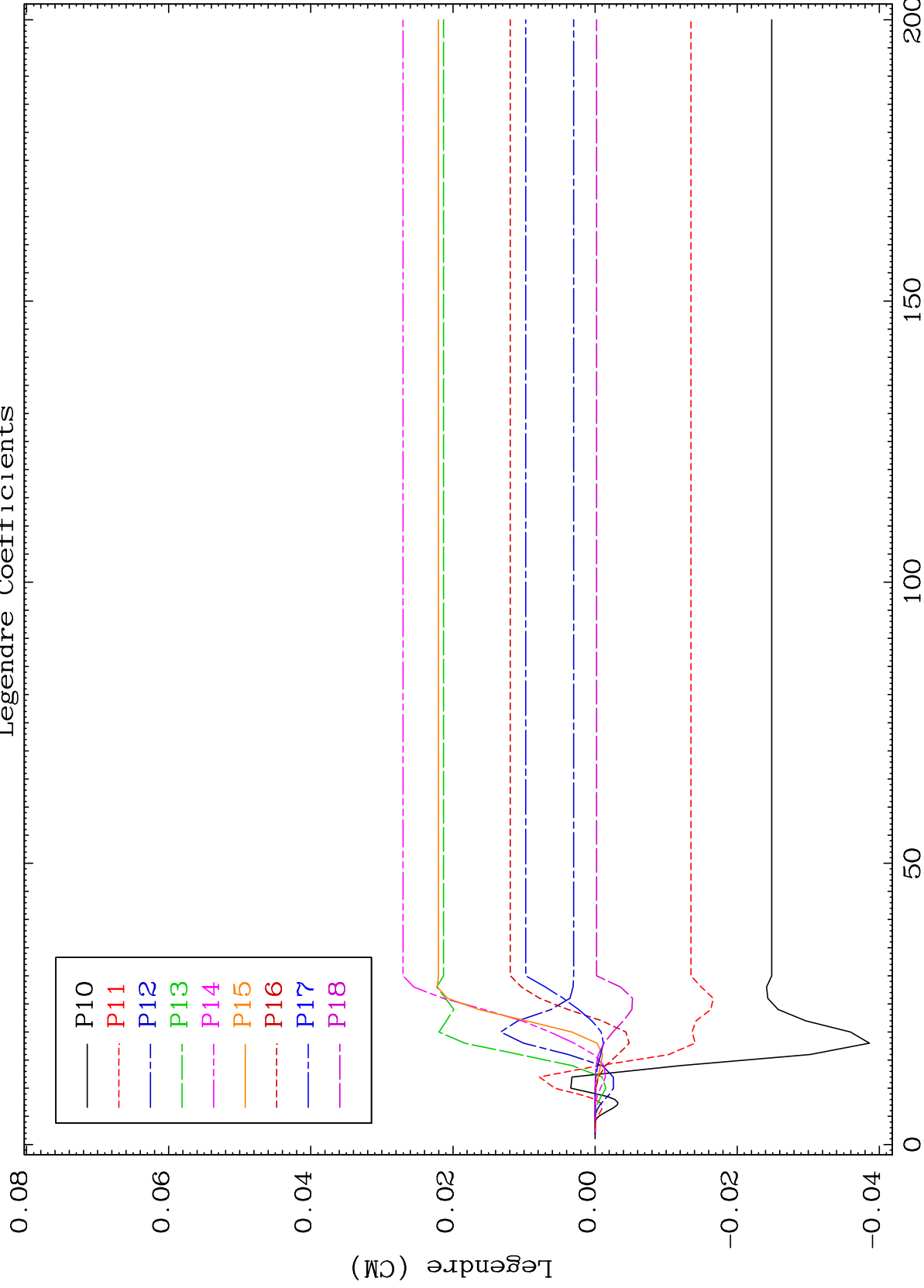
Incident Energy (MeV)

75

MAT 6928

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

69-Tm-170



76

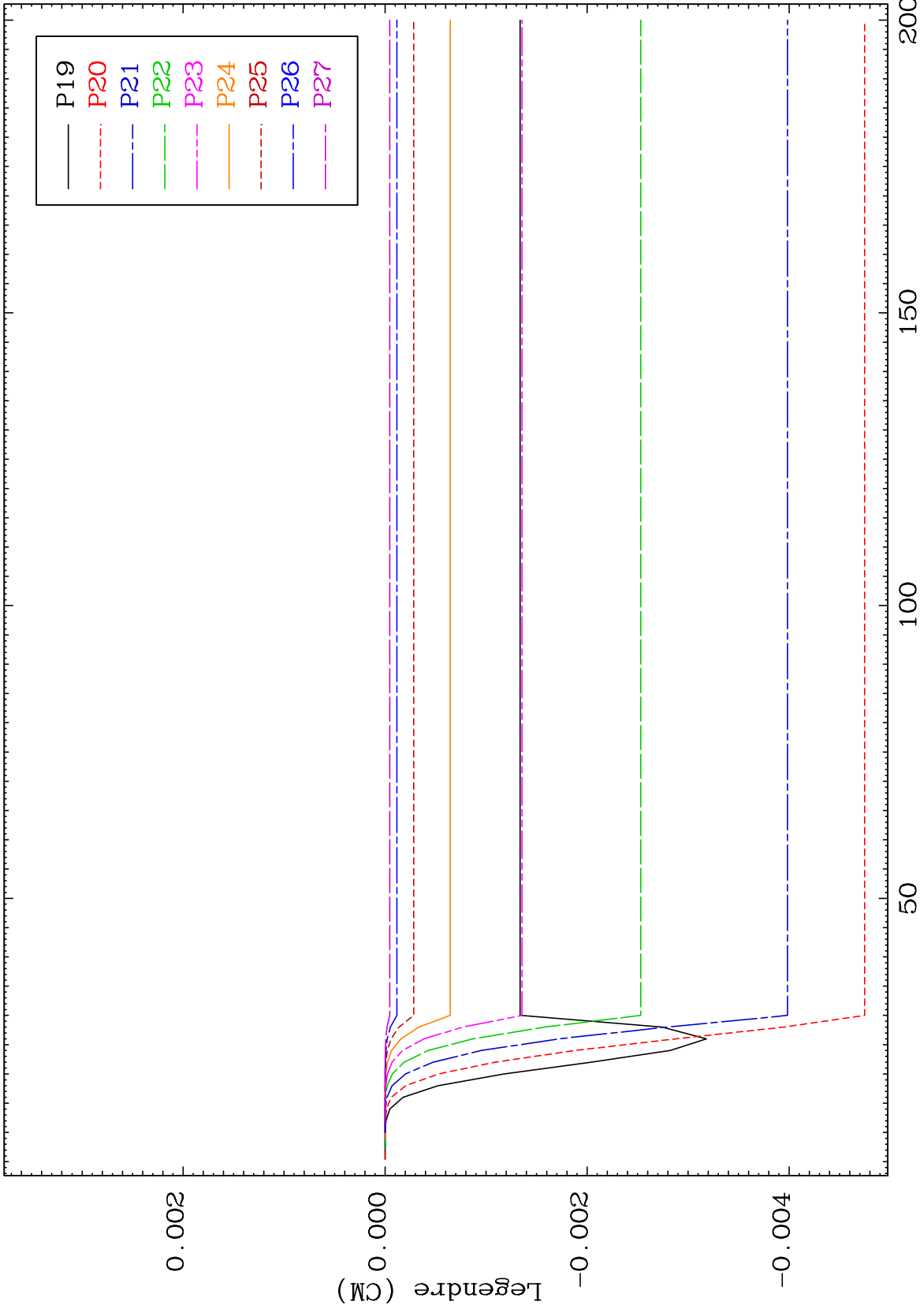
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170



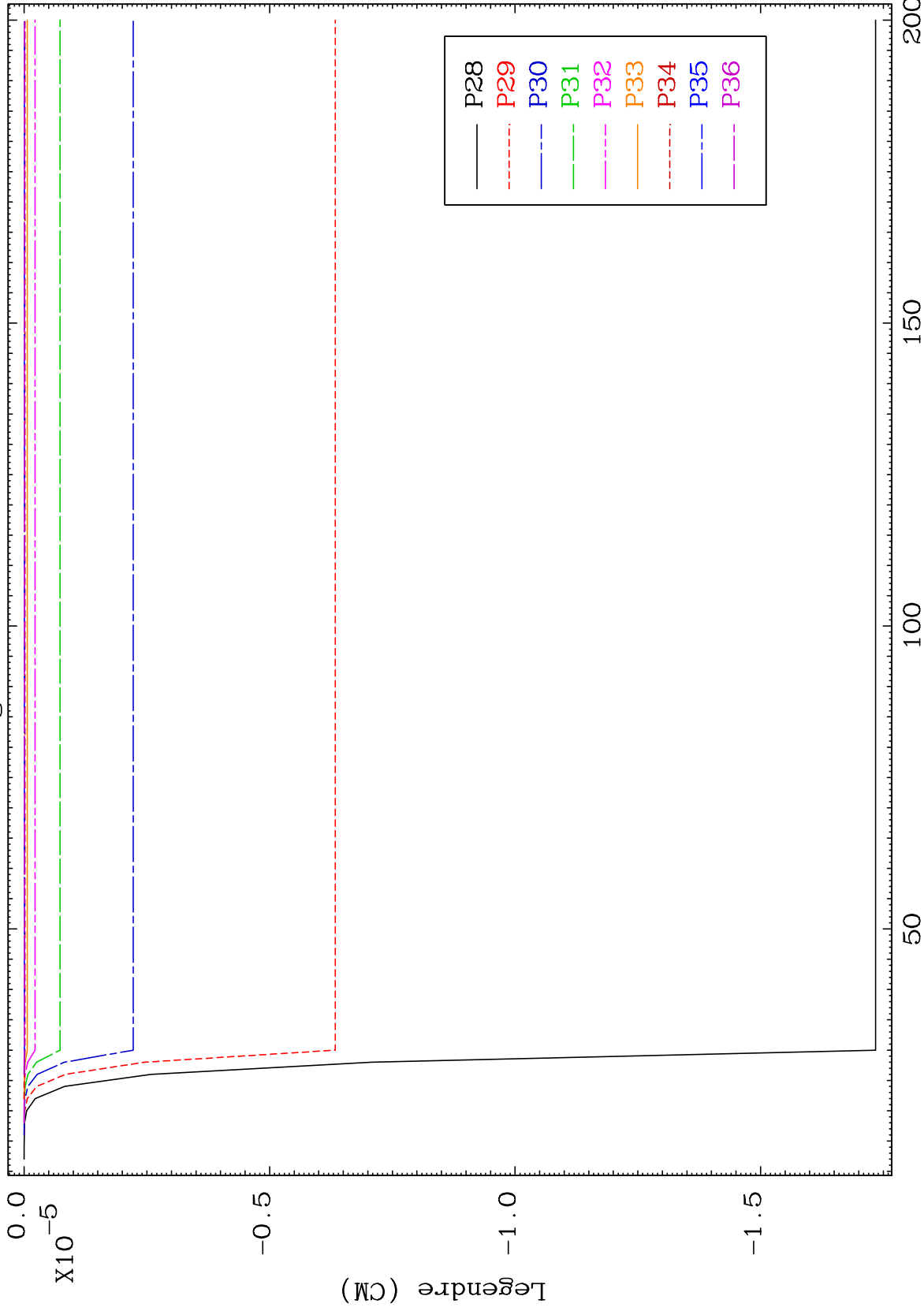
77

Incident Energy (MeV)

69-Tm-170

MAT 6928 MT= 67 (n,n') Level 69-Tm-170

Legendre Coefficients



78

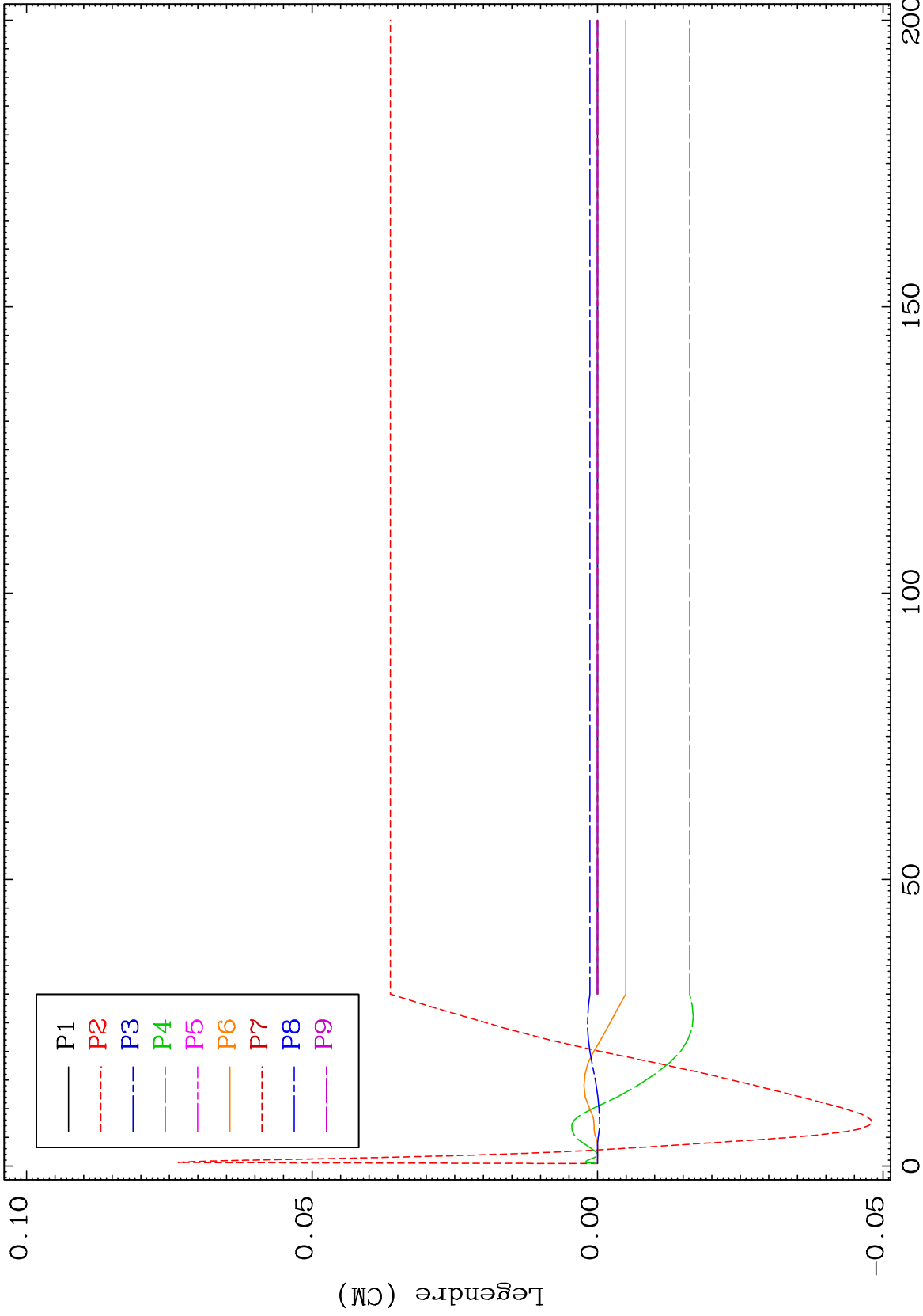
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

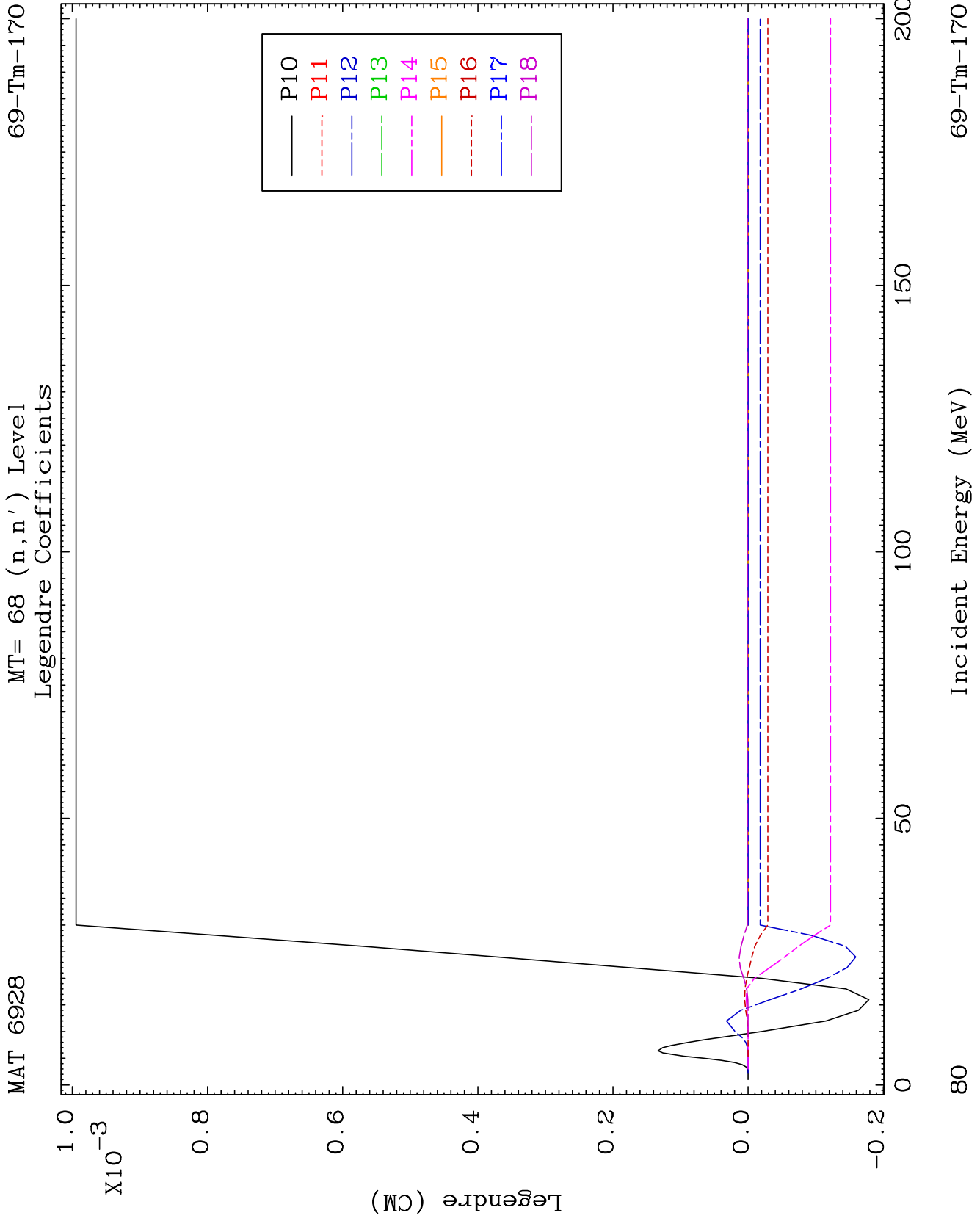
69-Tm-170



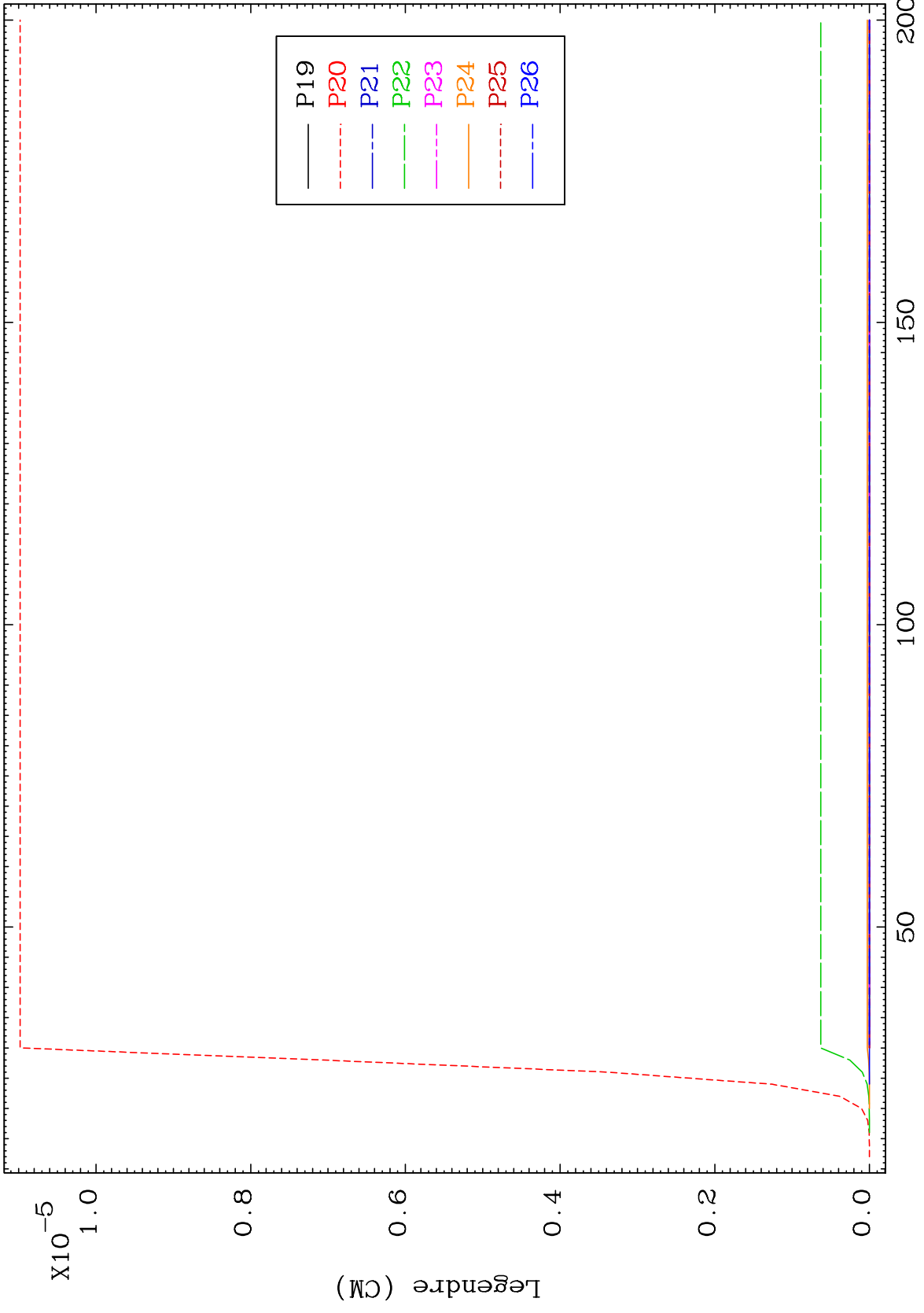
79

Incident Energy (MeV)

69-Tm-170



MAT 6928 MT= 68 (n,n') Level Legendre Coefficients 69-Tm-170

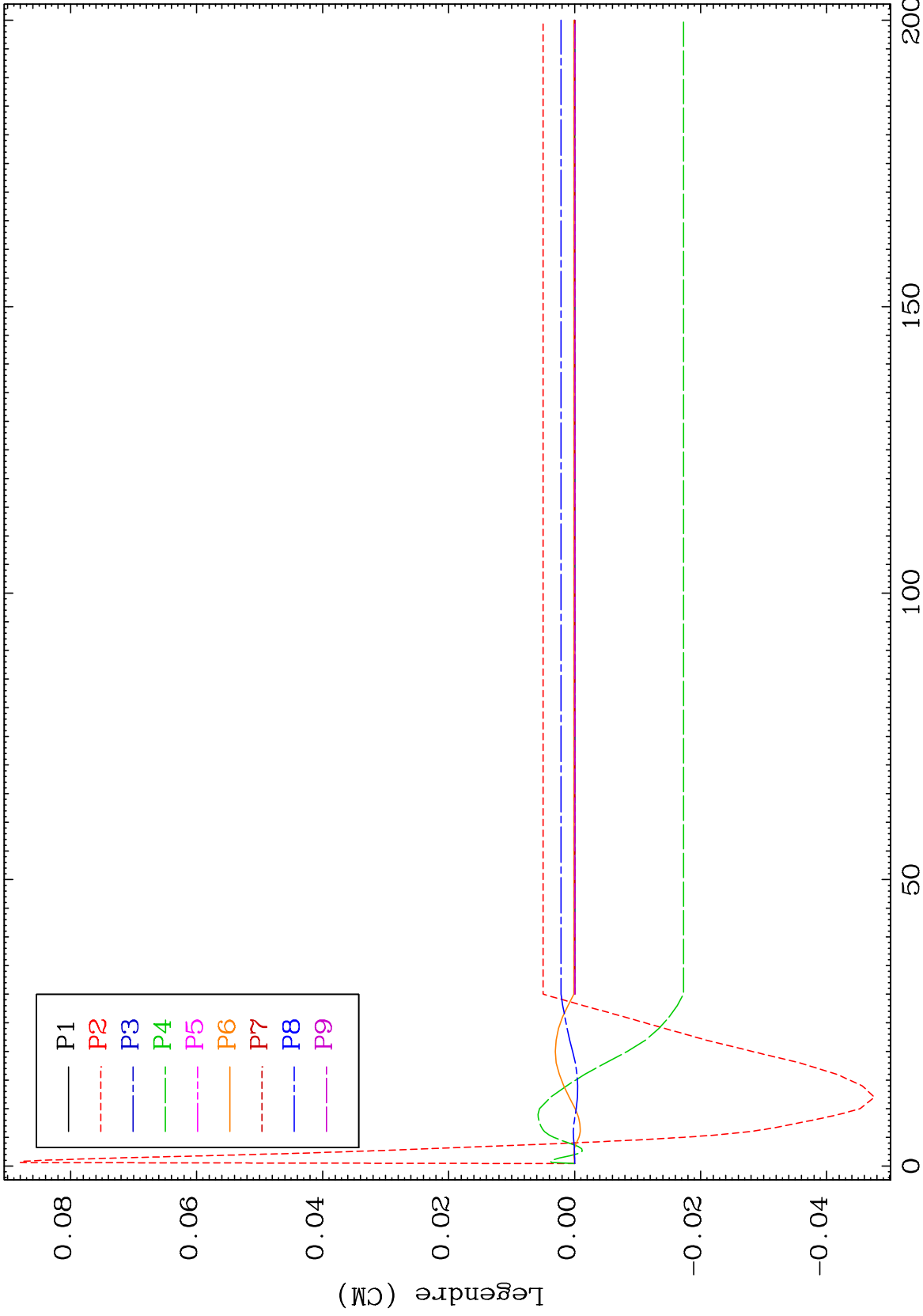


81 69-Tm-170

MAT 6928

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

69-Tm-170



82

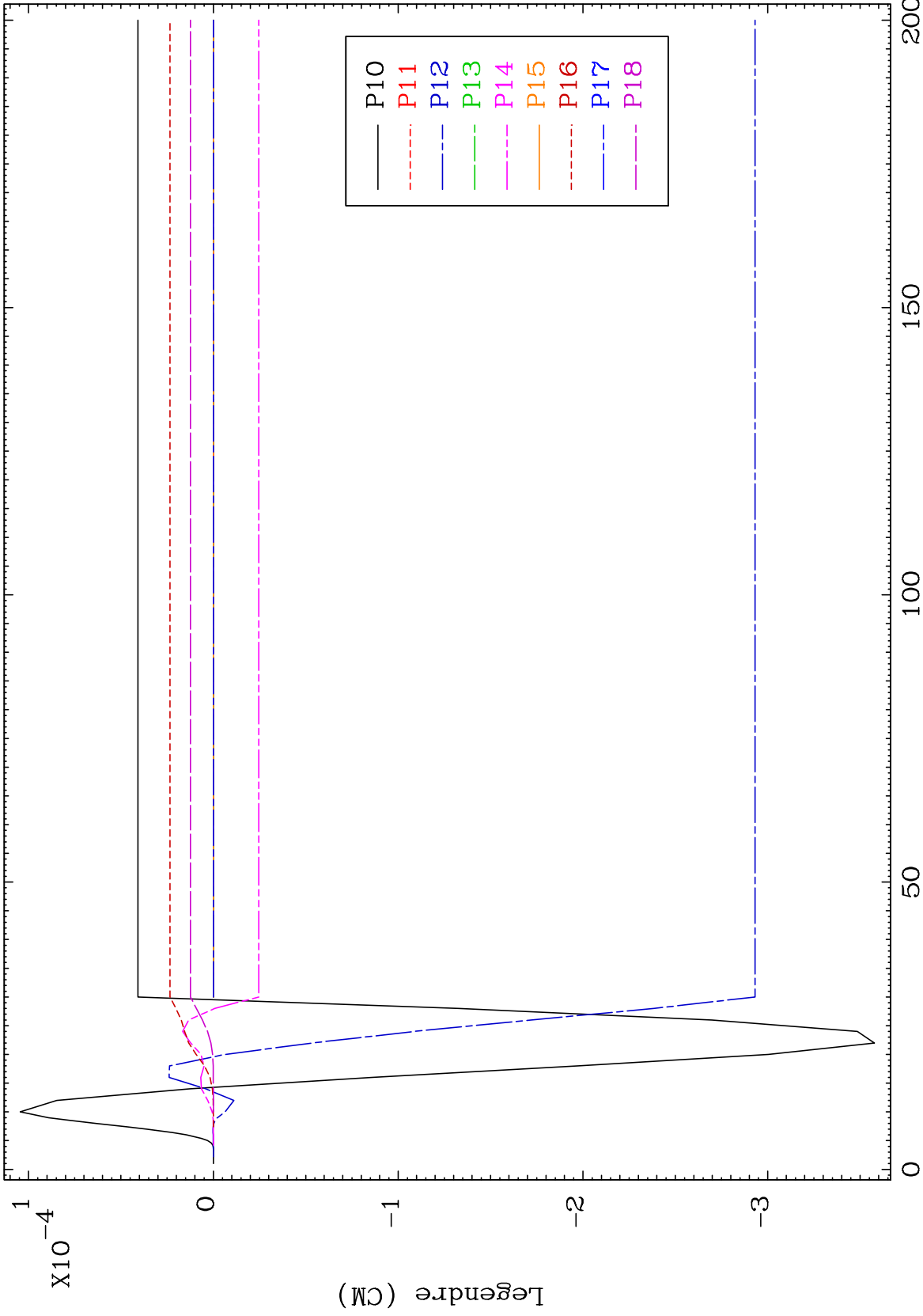
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170

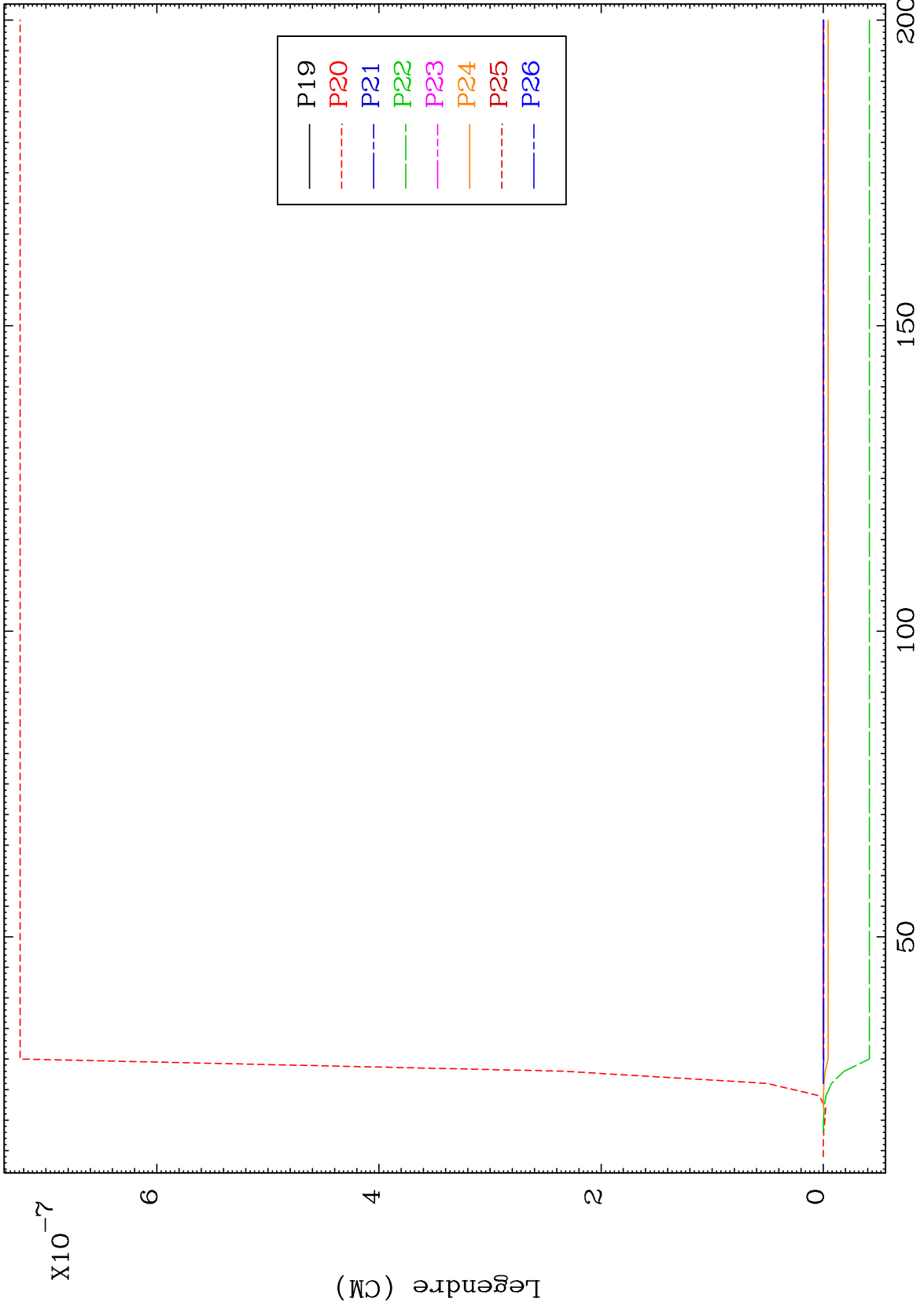


83

Incident Energy (MeV)

69-Tm-170

MAT 6928 MT= 69 (n,n') Level Legendre Coefficients 69-Tm-170

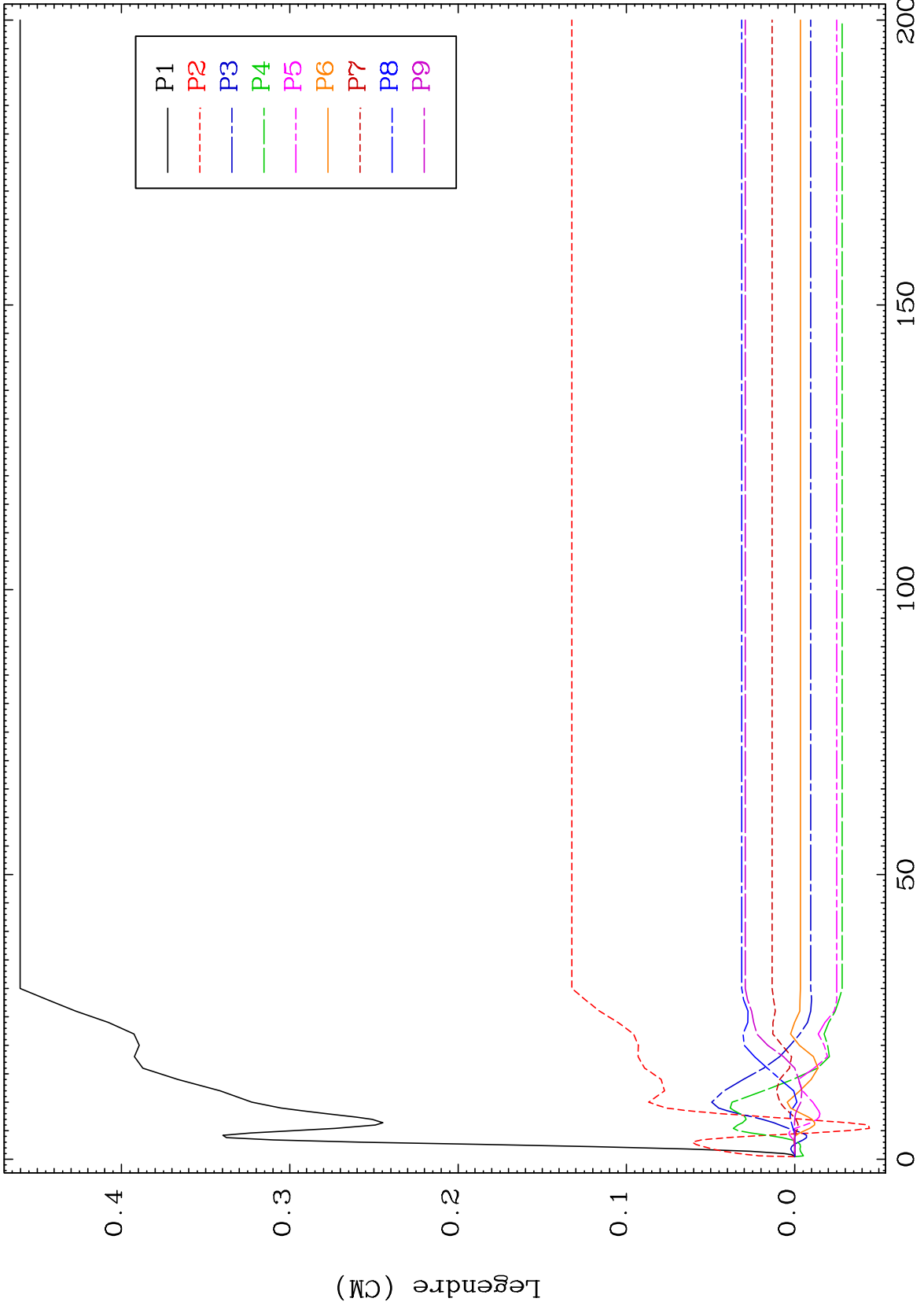


84 69-Tm-170

MAT 6928

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

69-Tm-170



85

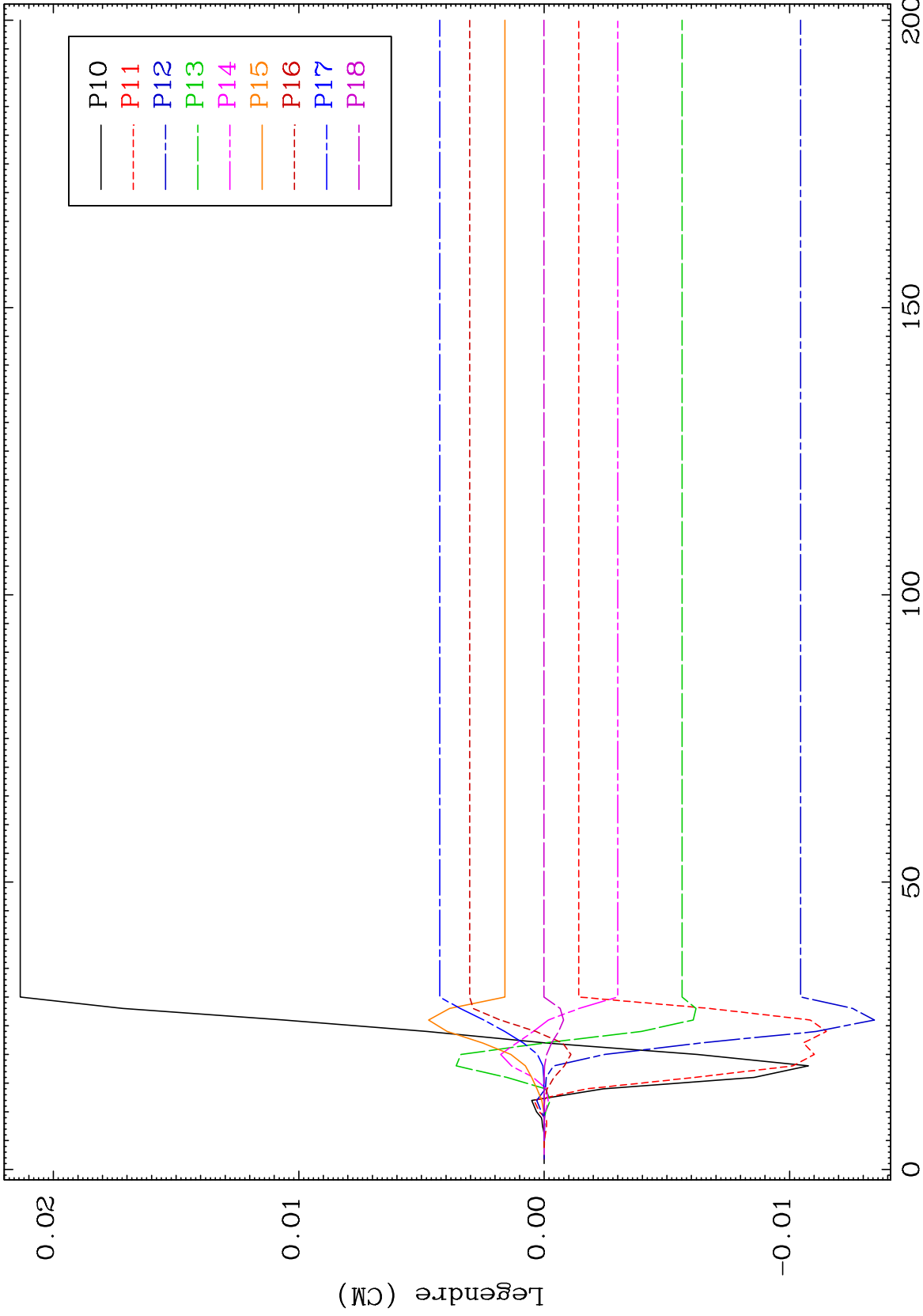
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170



86

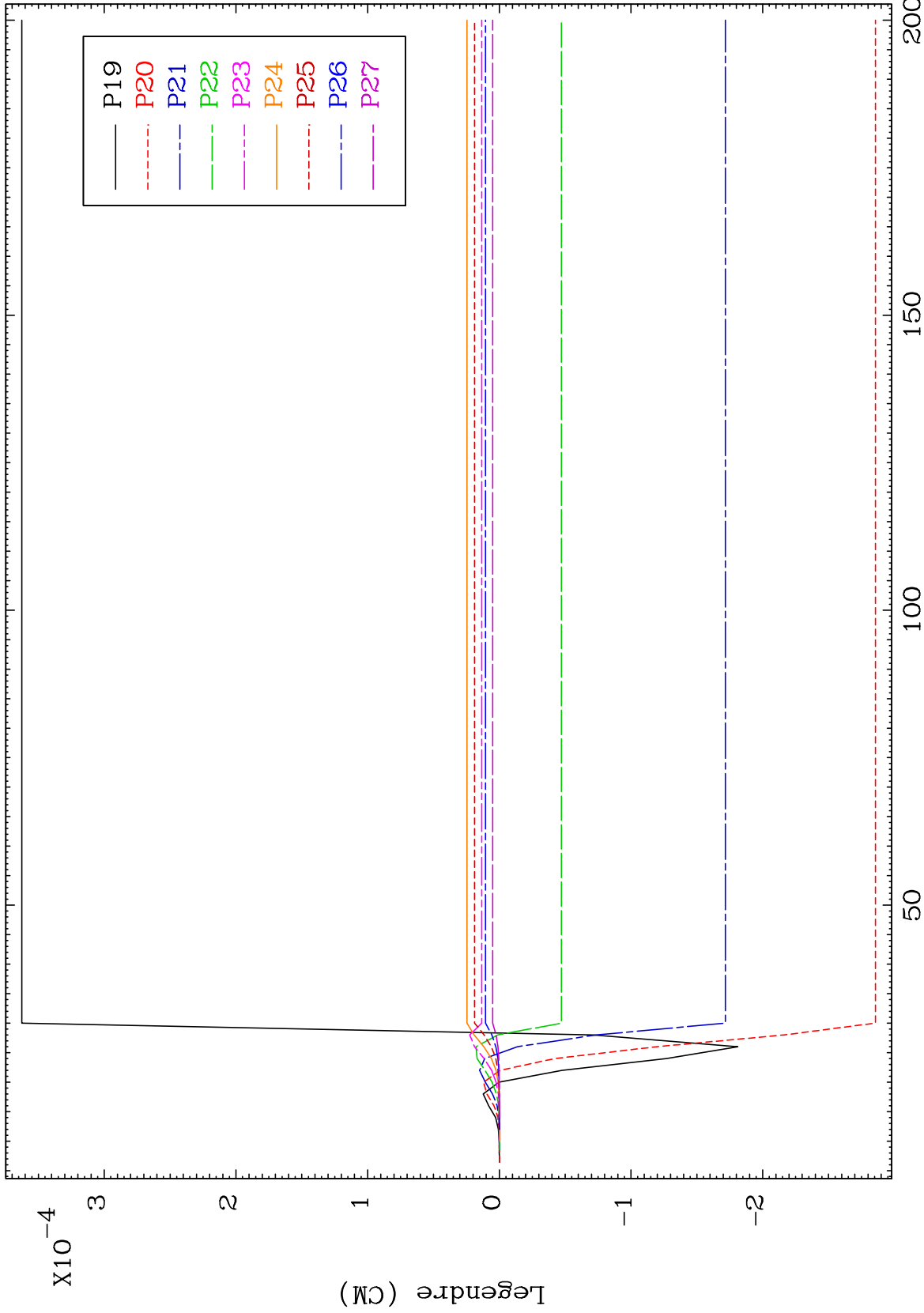
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170



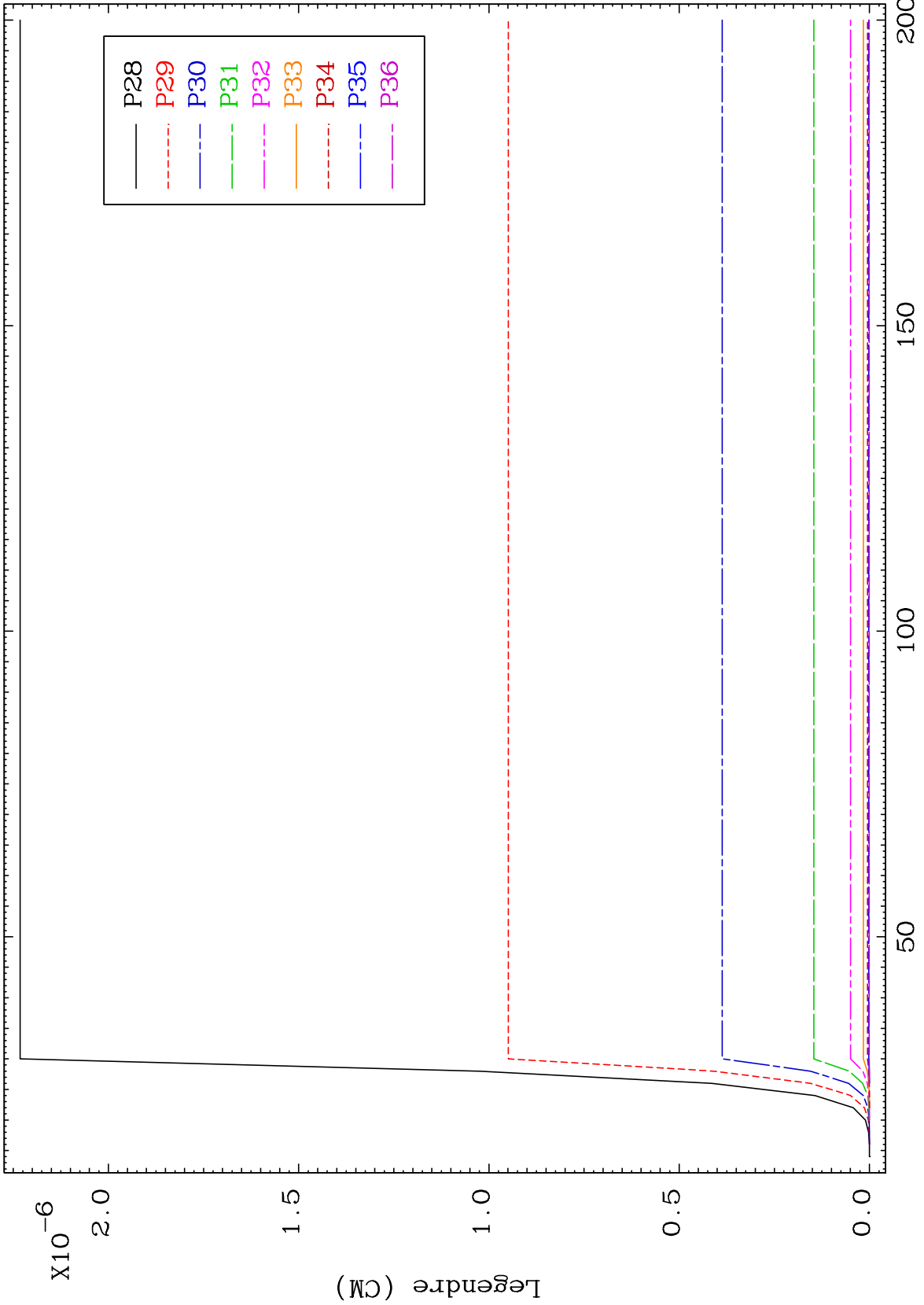
87

69-Tm-170

MAT 6928

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

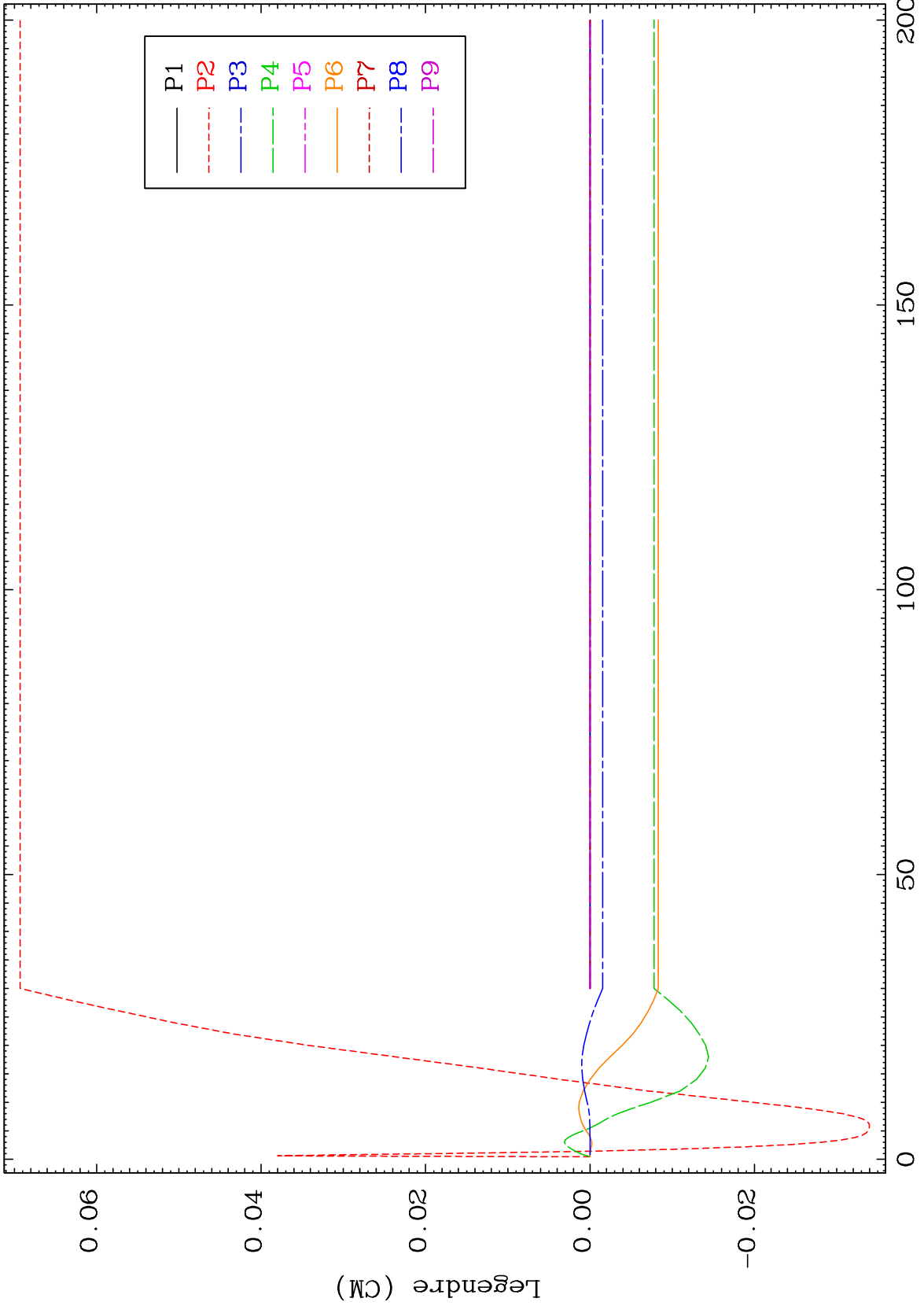
69-Tm-170



88

69-Tm-170

MAT 6928 MT= 71 (n,n') Level Legendre Coefficients 69-Tm-170

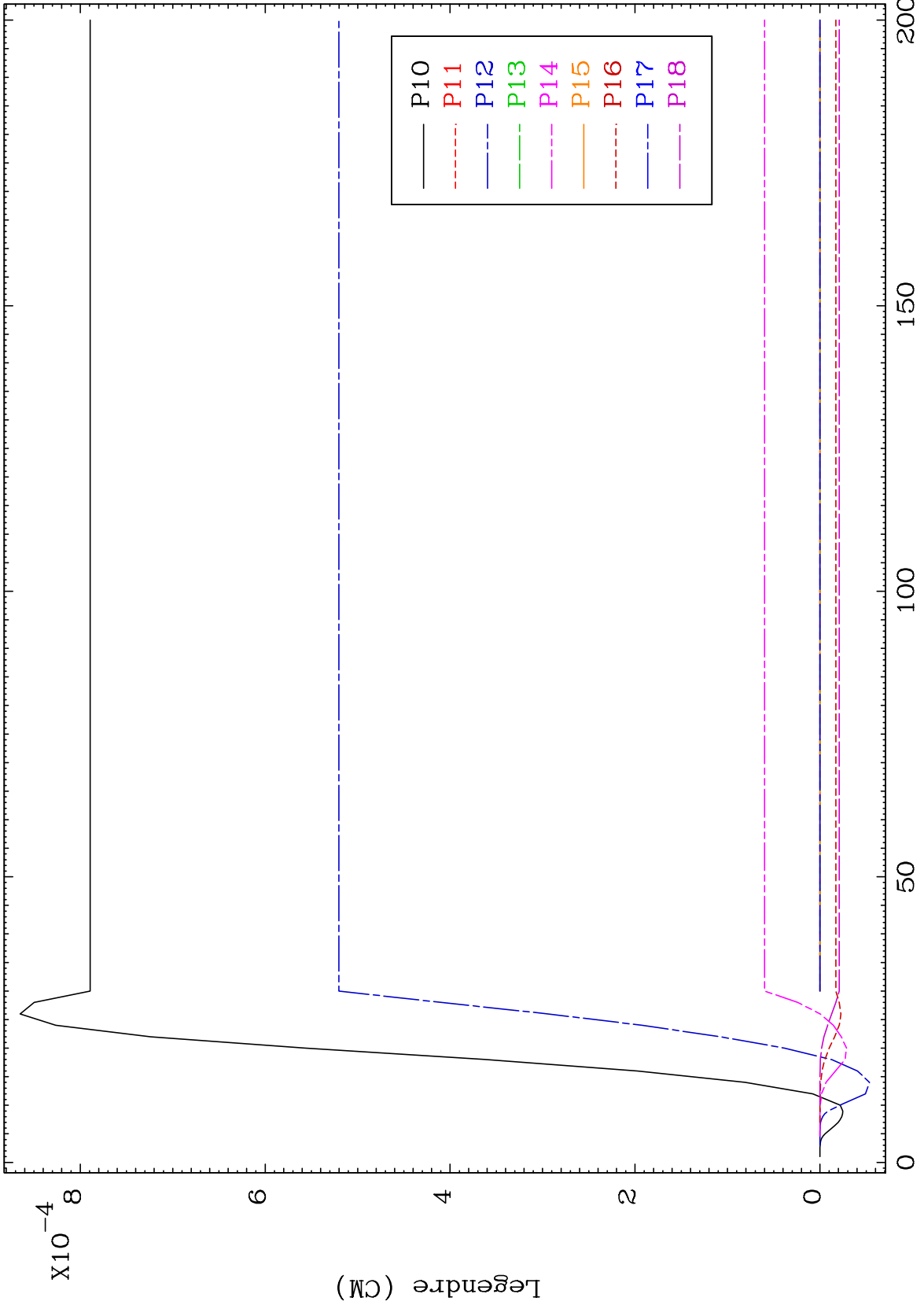


89 69-Tm-170

MAT 6928

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

69-Tm-170

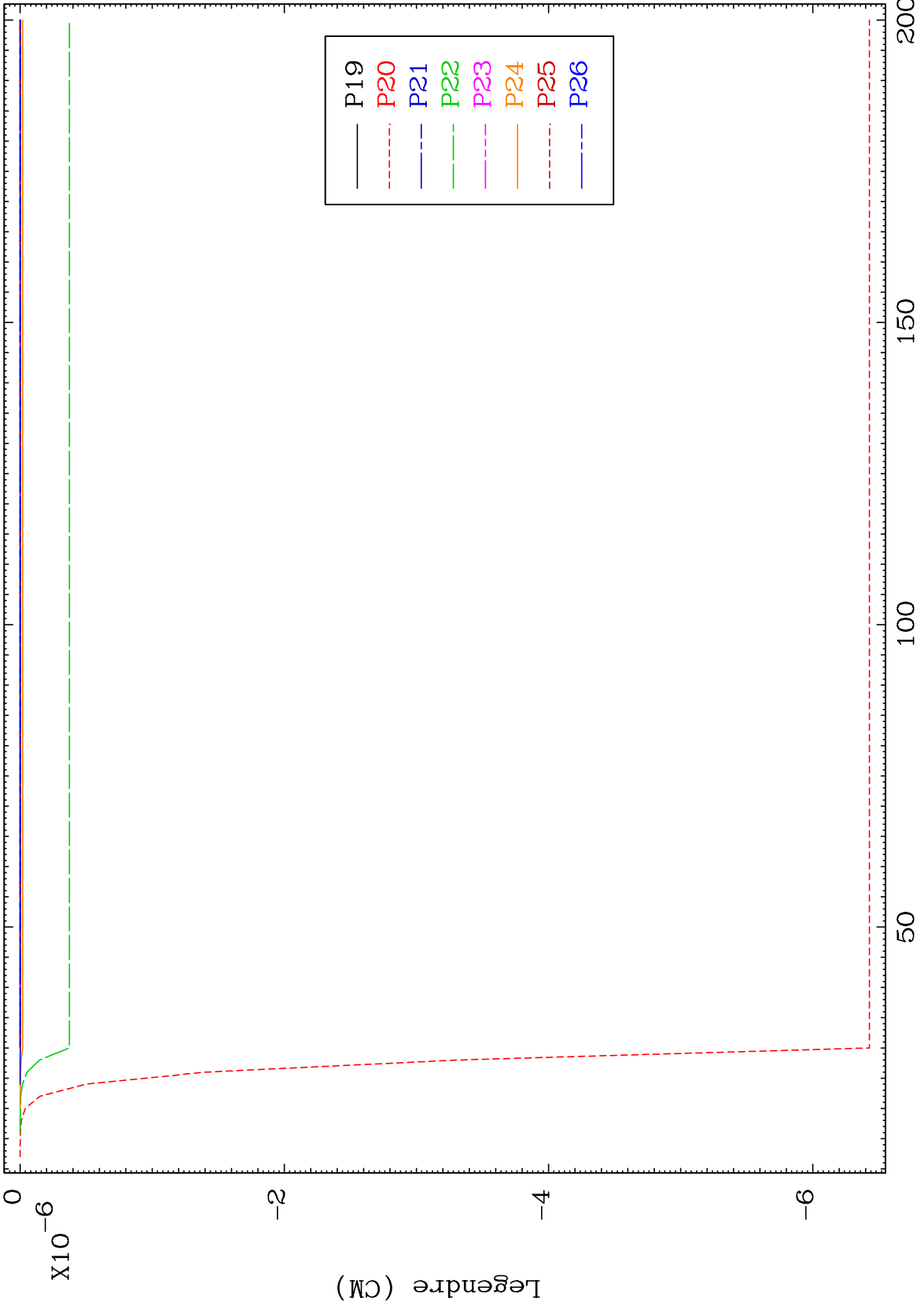


90

Incident Energy (MeV)

69-Tm-170

MAT 6928 MT= 71 (n,n') Level Legendre Coefficients 69-Tm-170

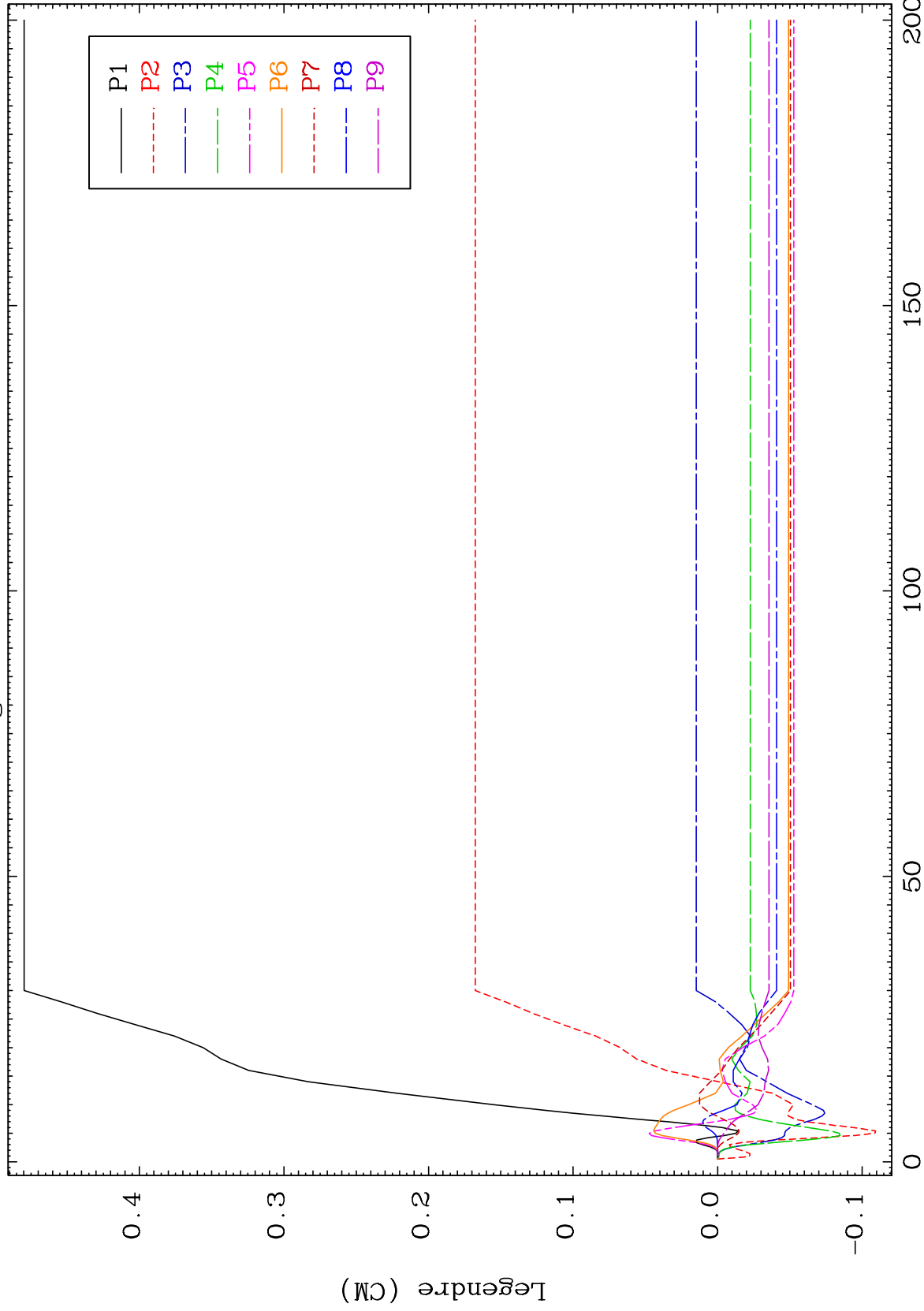


91 Incident Energy (MeV) 69-Tm-170

MAT 6928

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

69-Tm-170



92

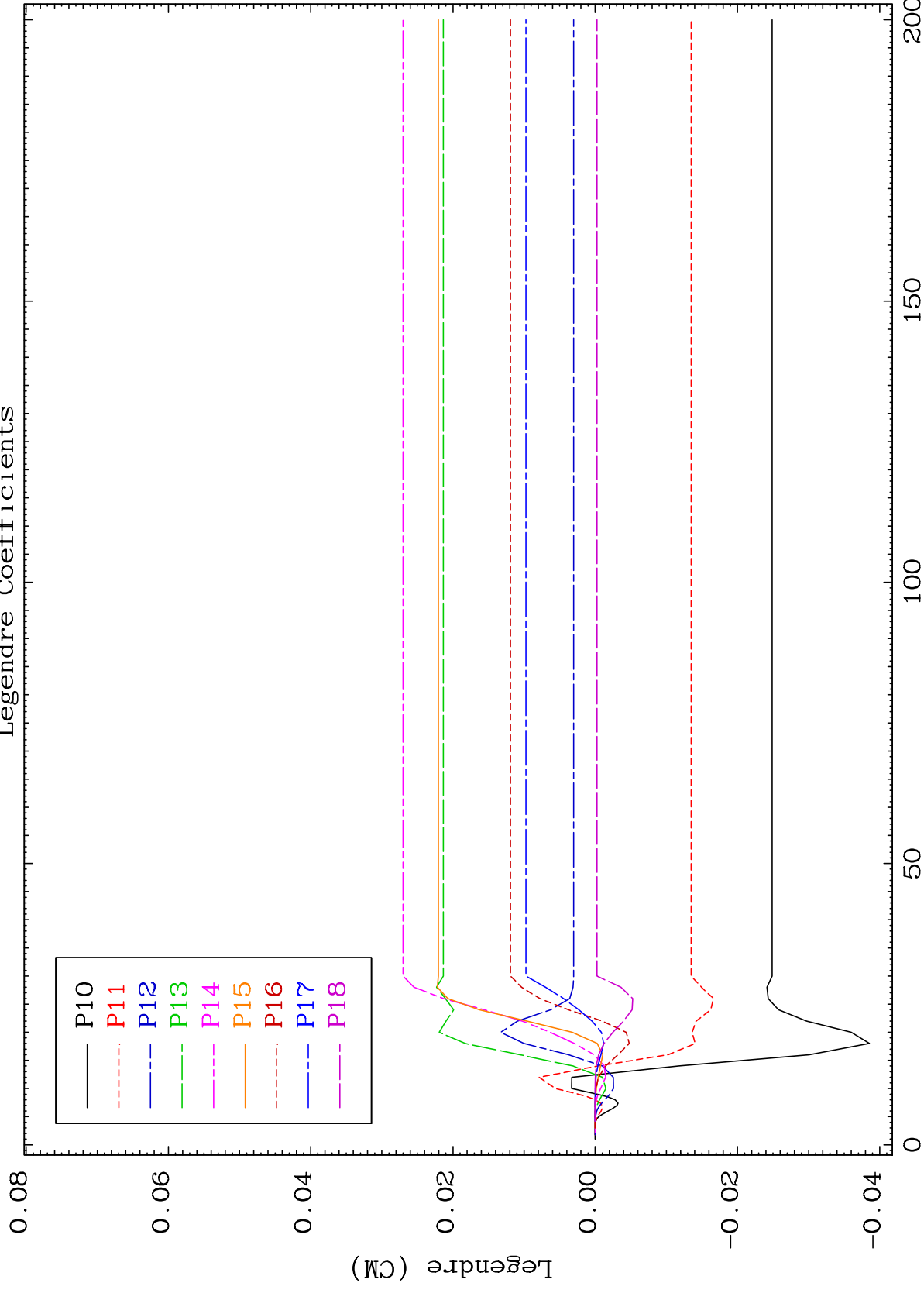
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170



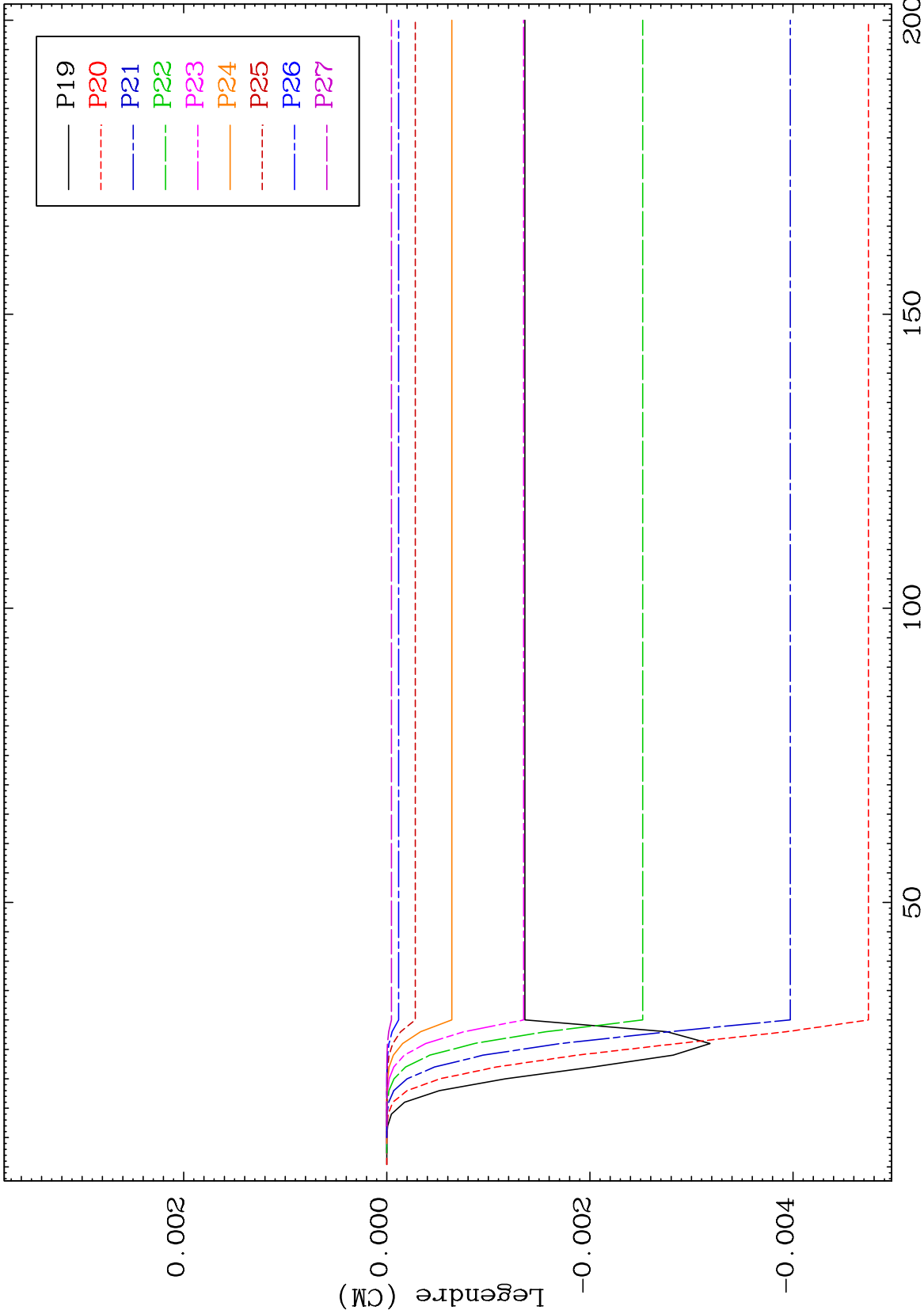
93

69-Tm-170

MAT 6928

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

69-Tm-170



94

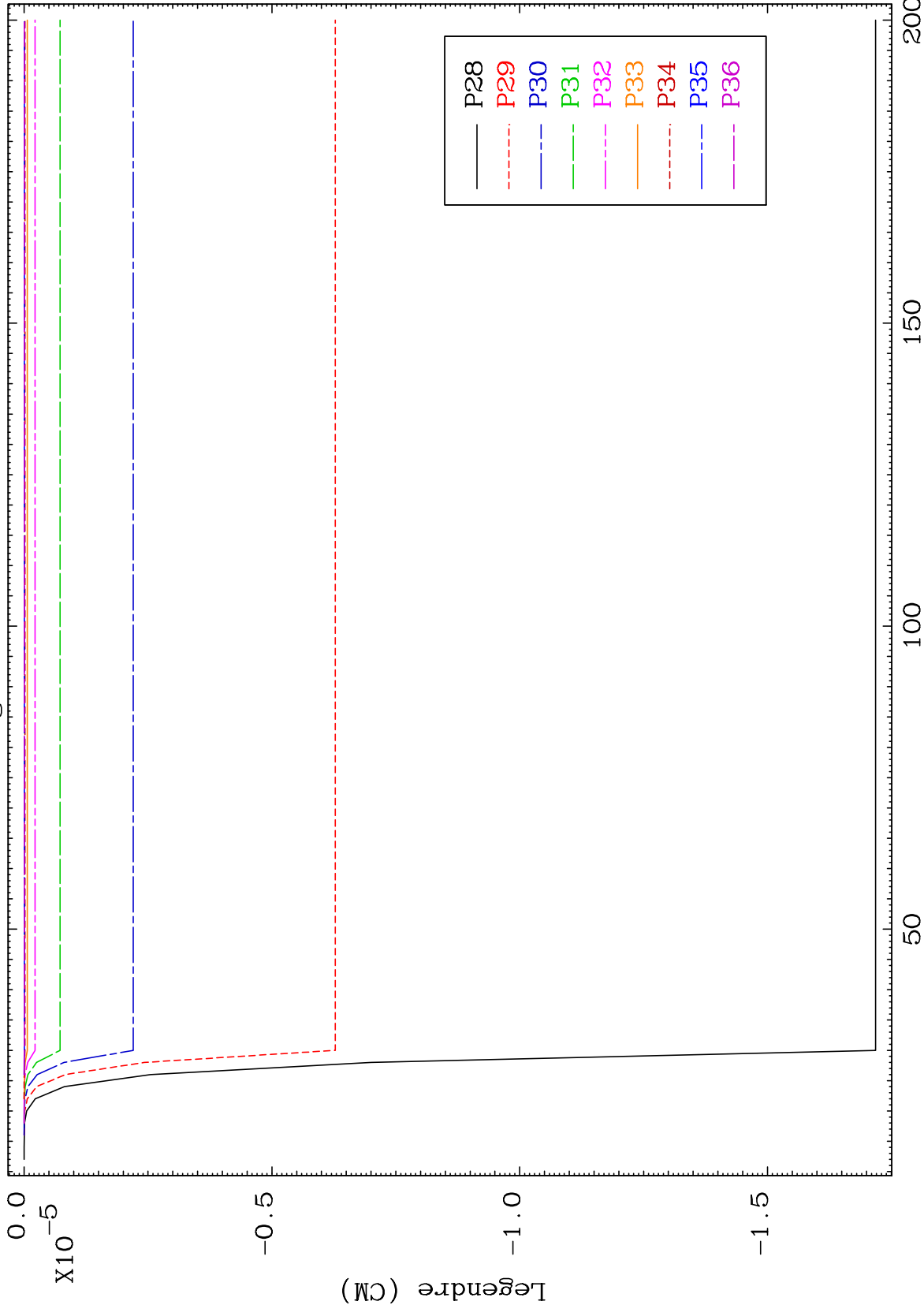
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170



95

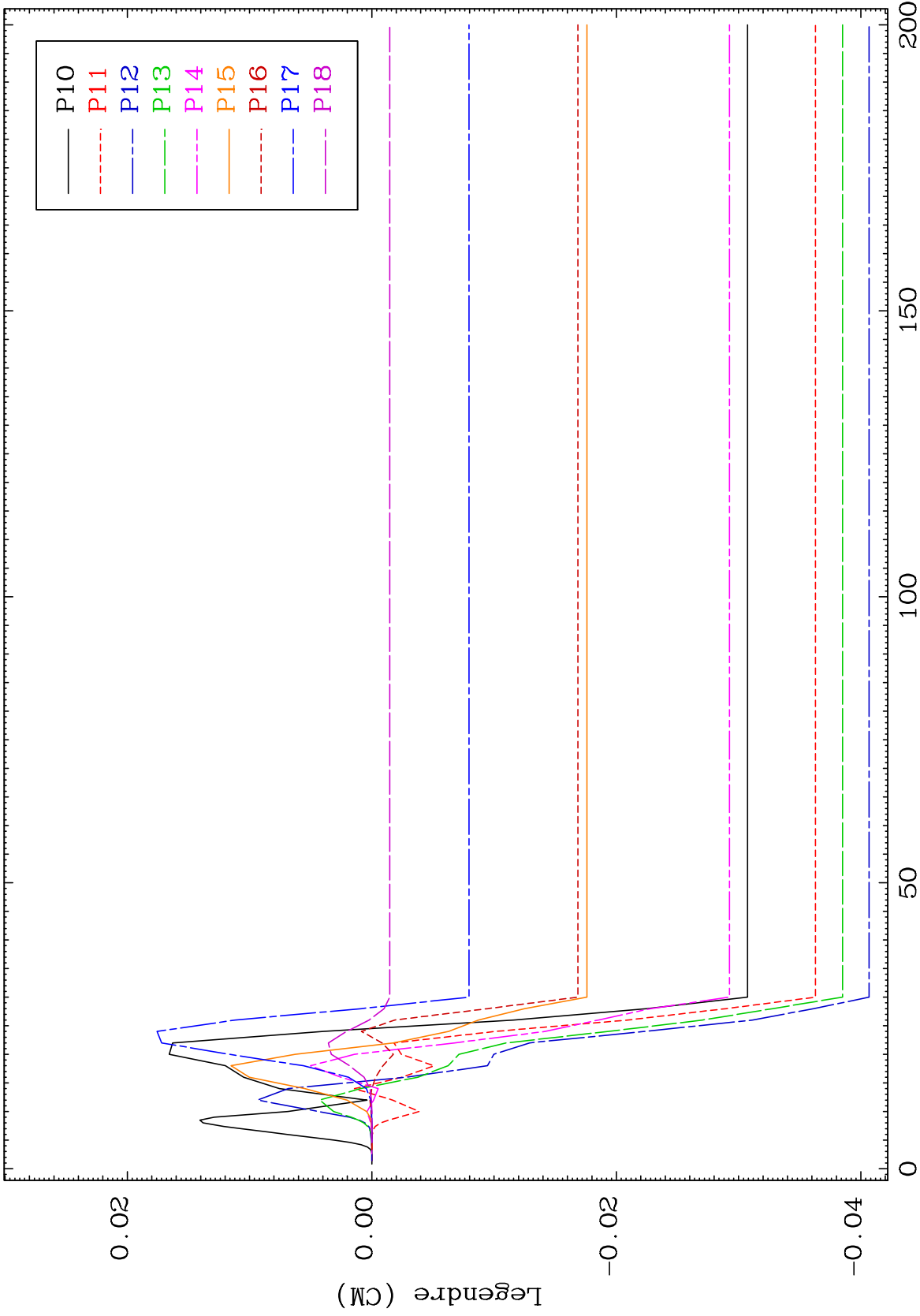
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170



97

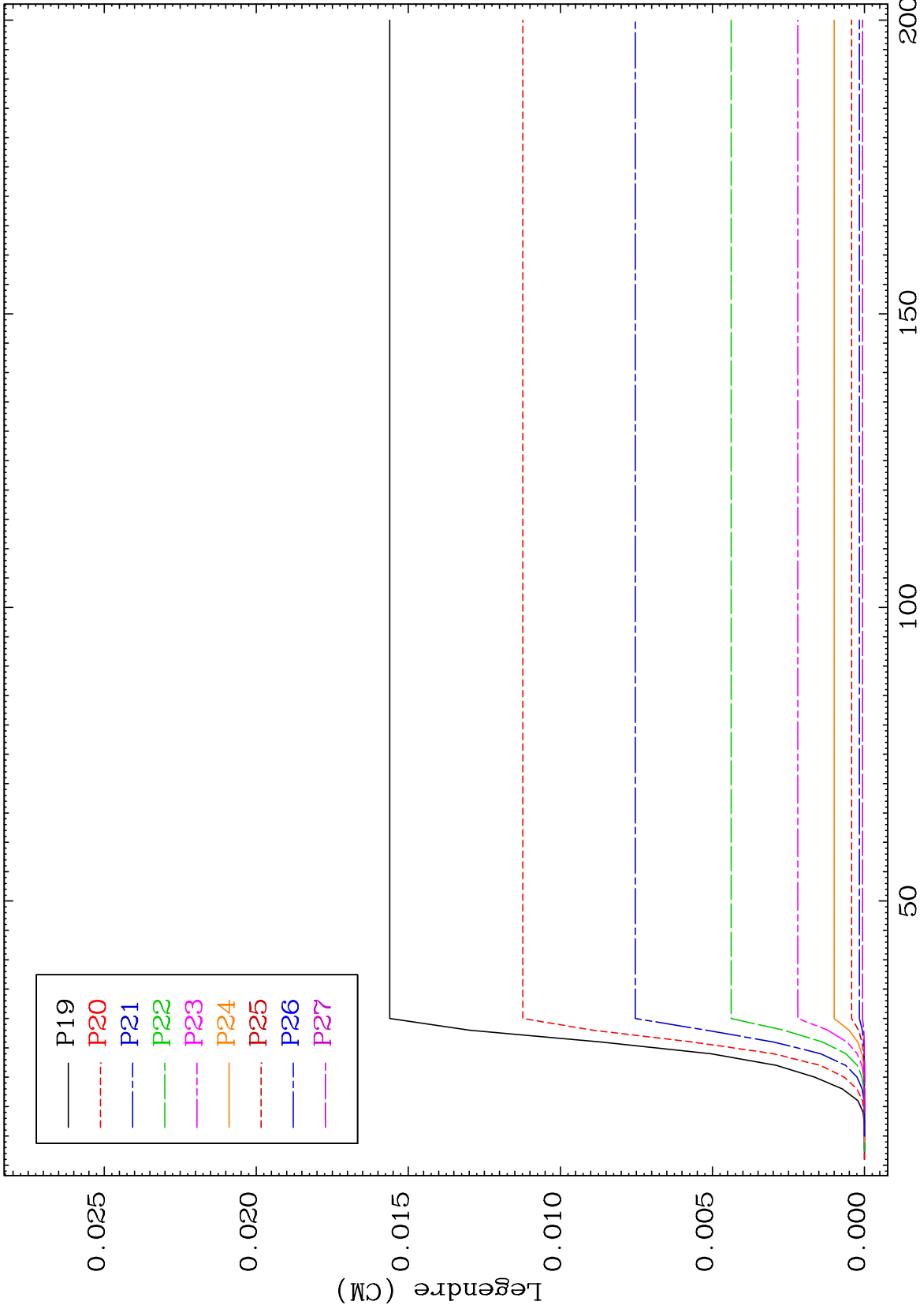
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170



98

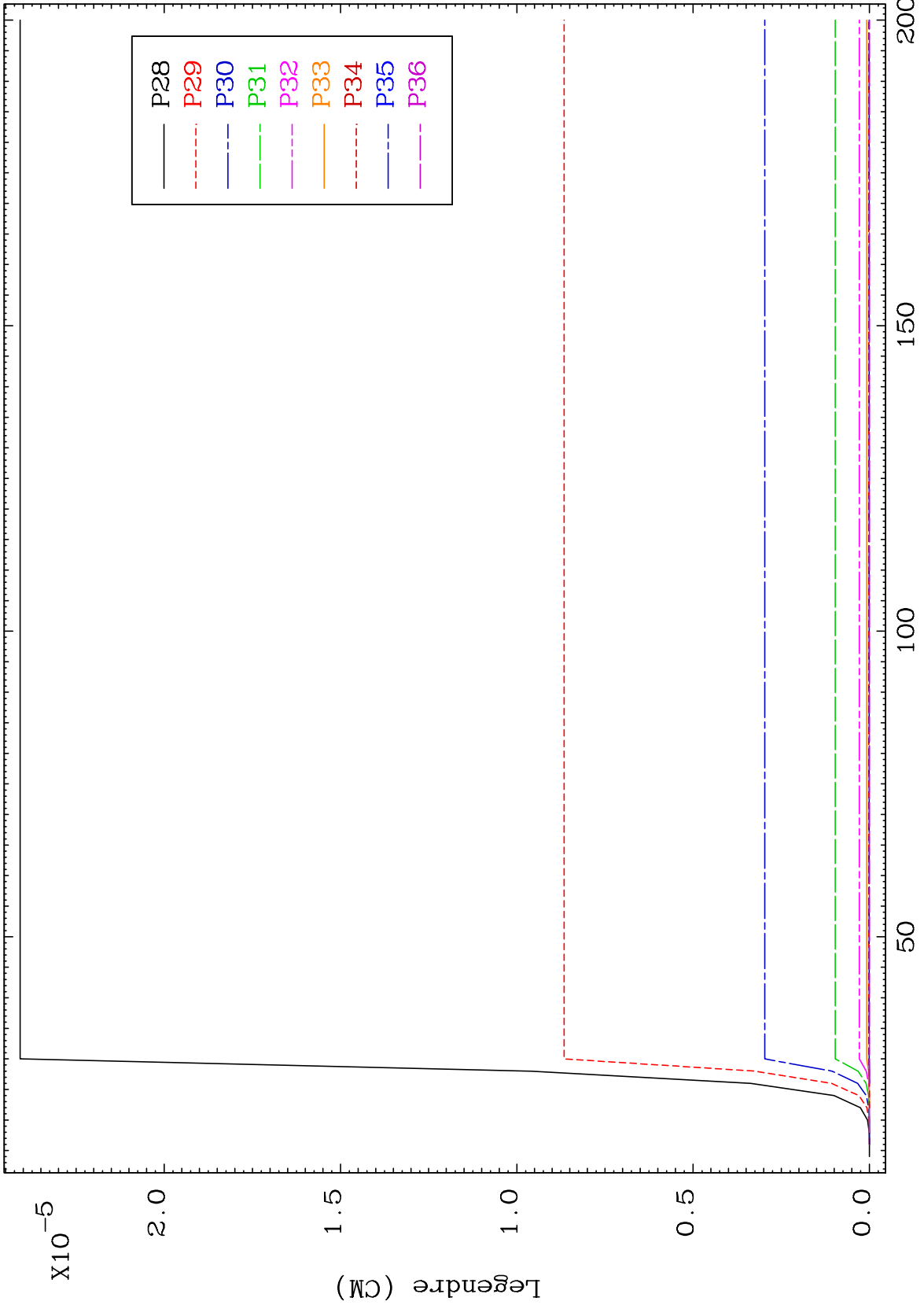
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170

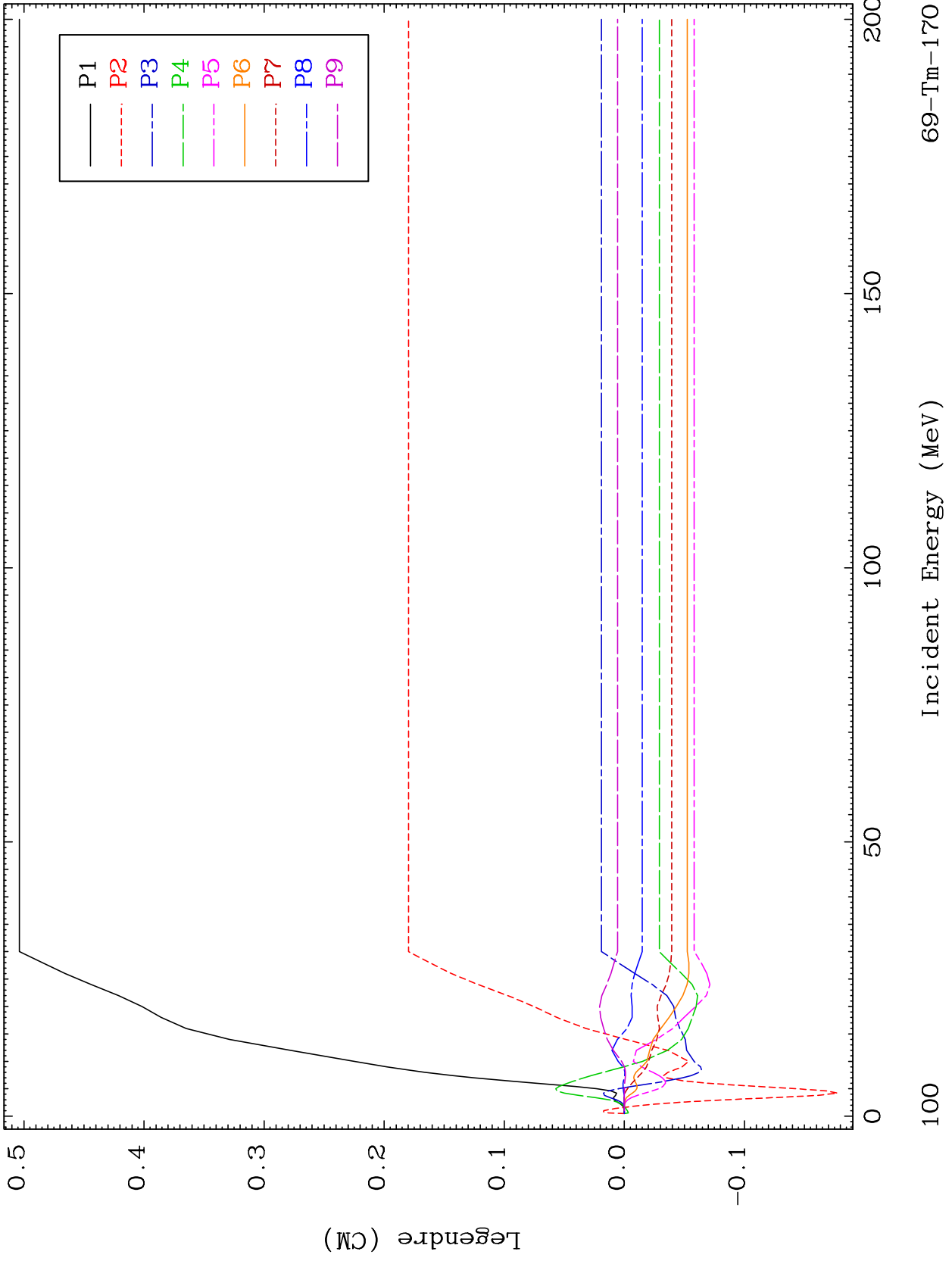


99

Incident Energy (MeV)

69-Tm-170

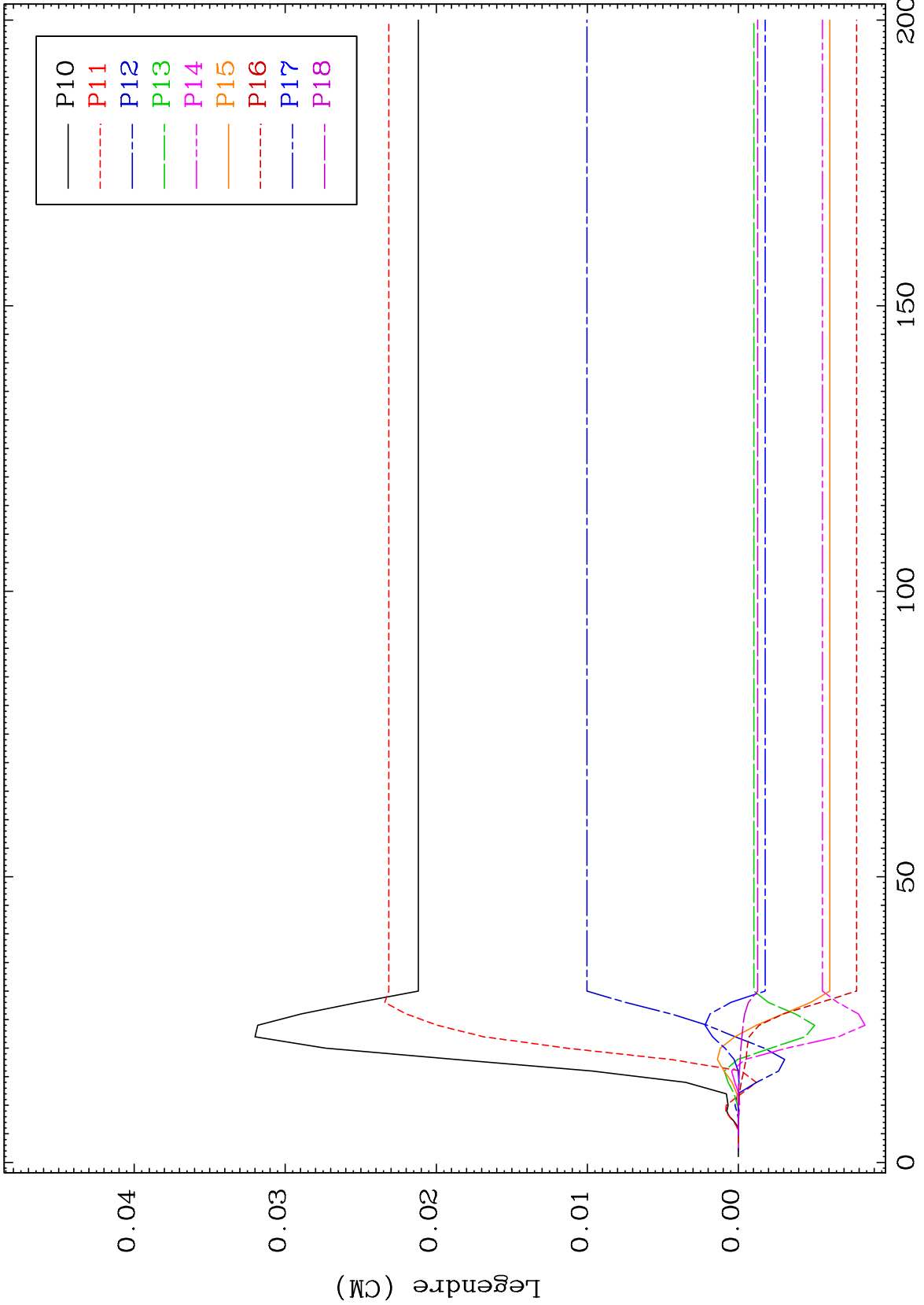
MAT 6928 MT= 74 (n,n') Level Legendre Coefficients 69-Tm-170



MAT 6928

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

69-Tm-170



101

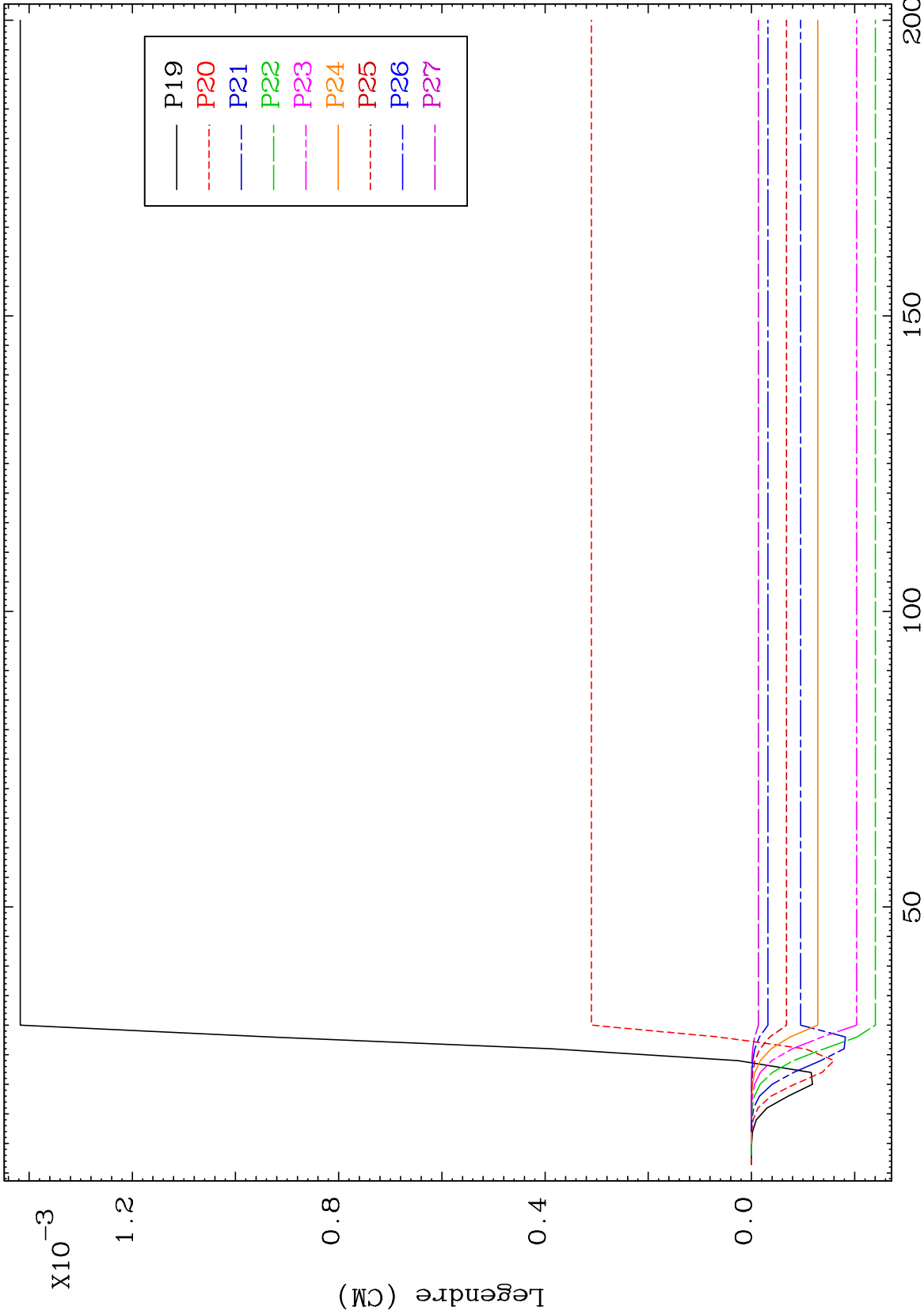
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

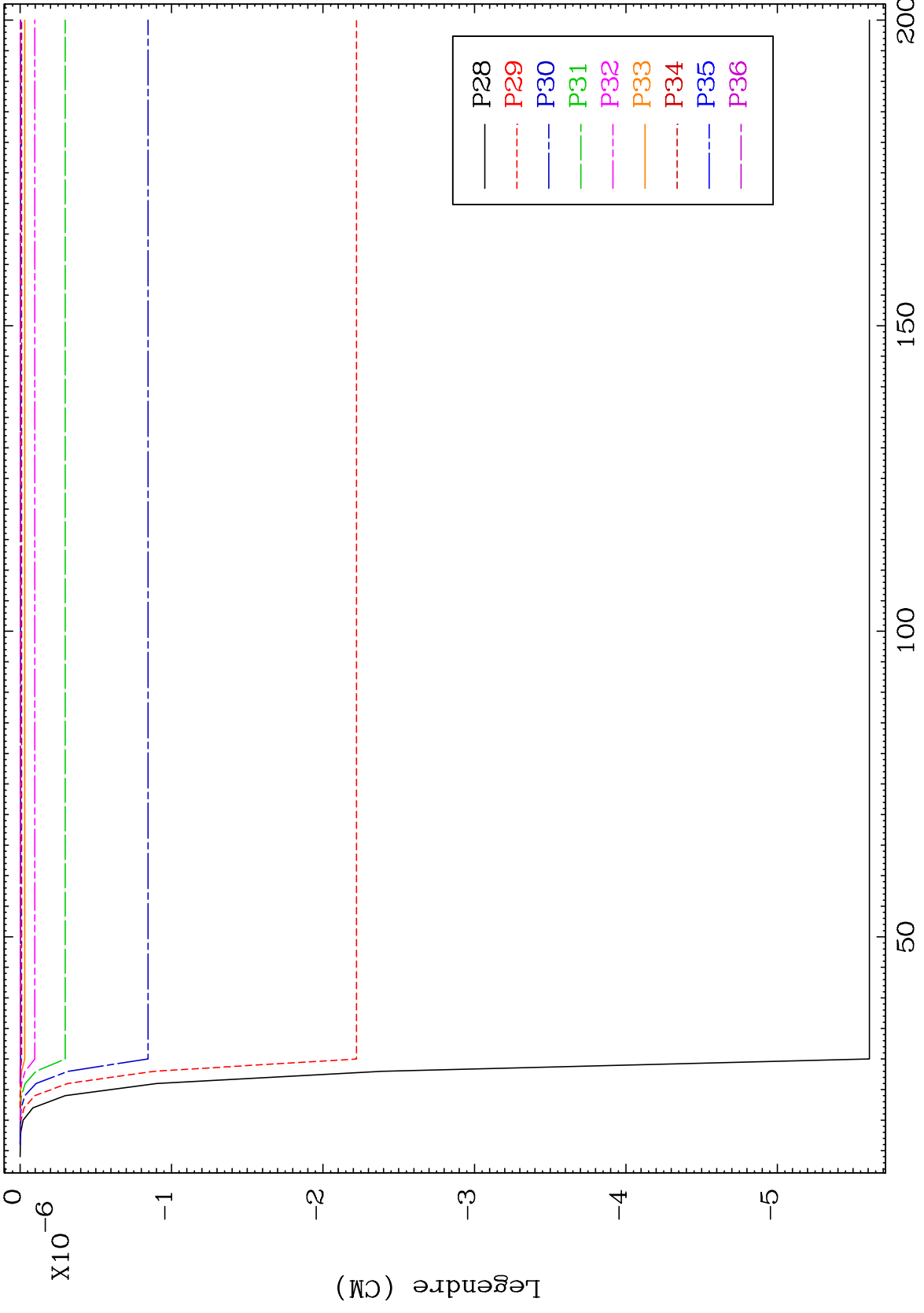
69-Tm-170



102

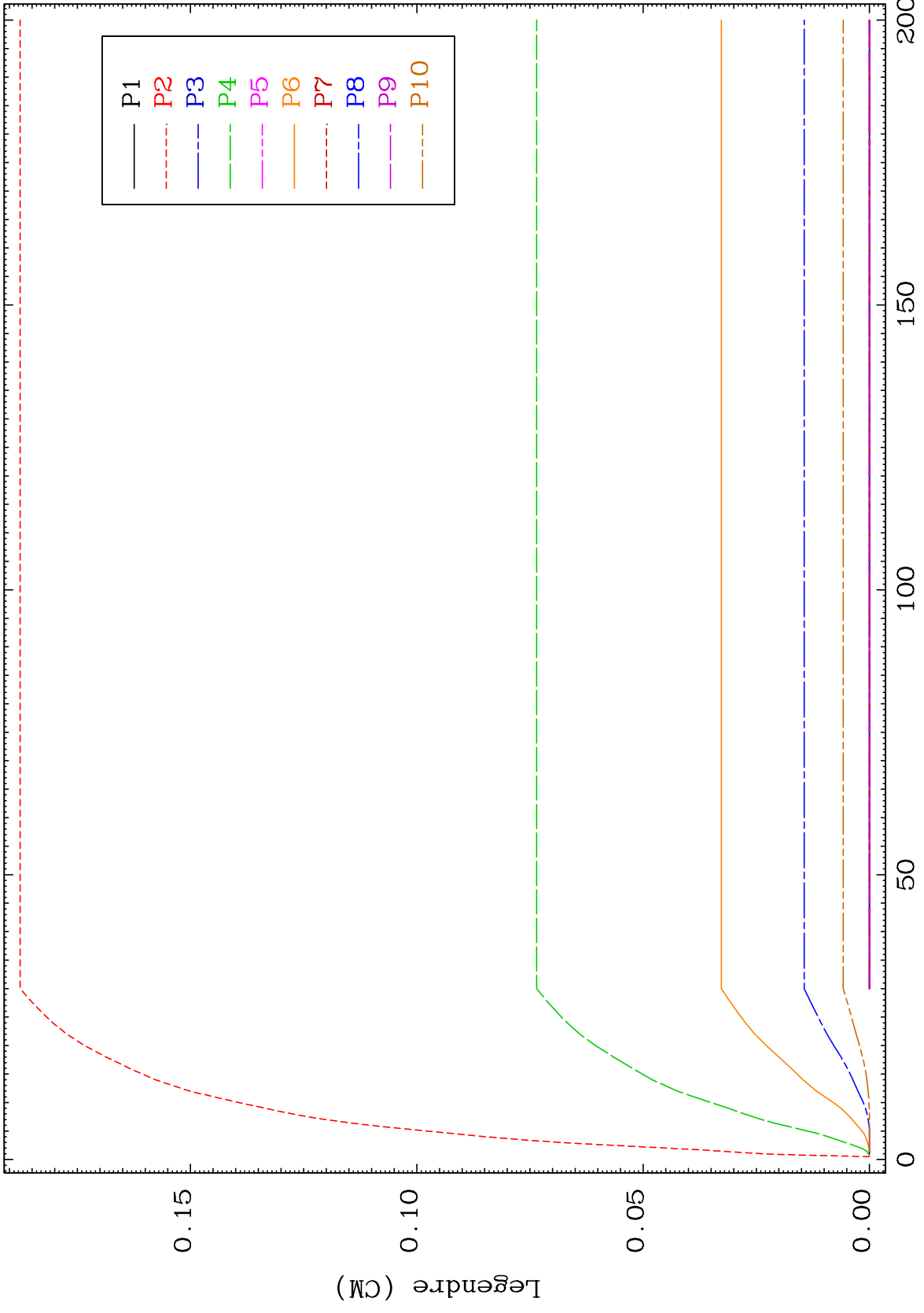
69-Tm-170

MAT 6928 MT= 74 (n,n') Level Legendre Coefficients 69-Tm-170



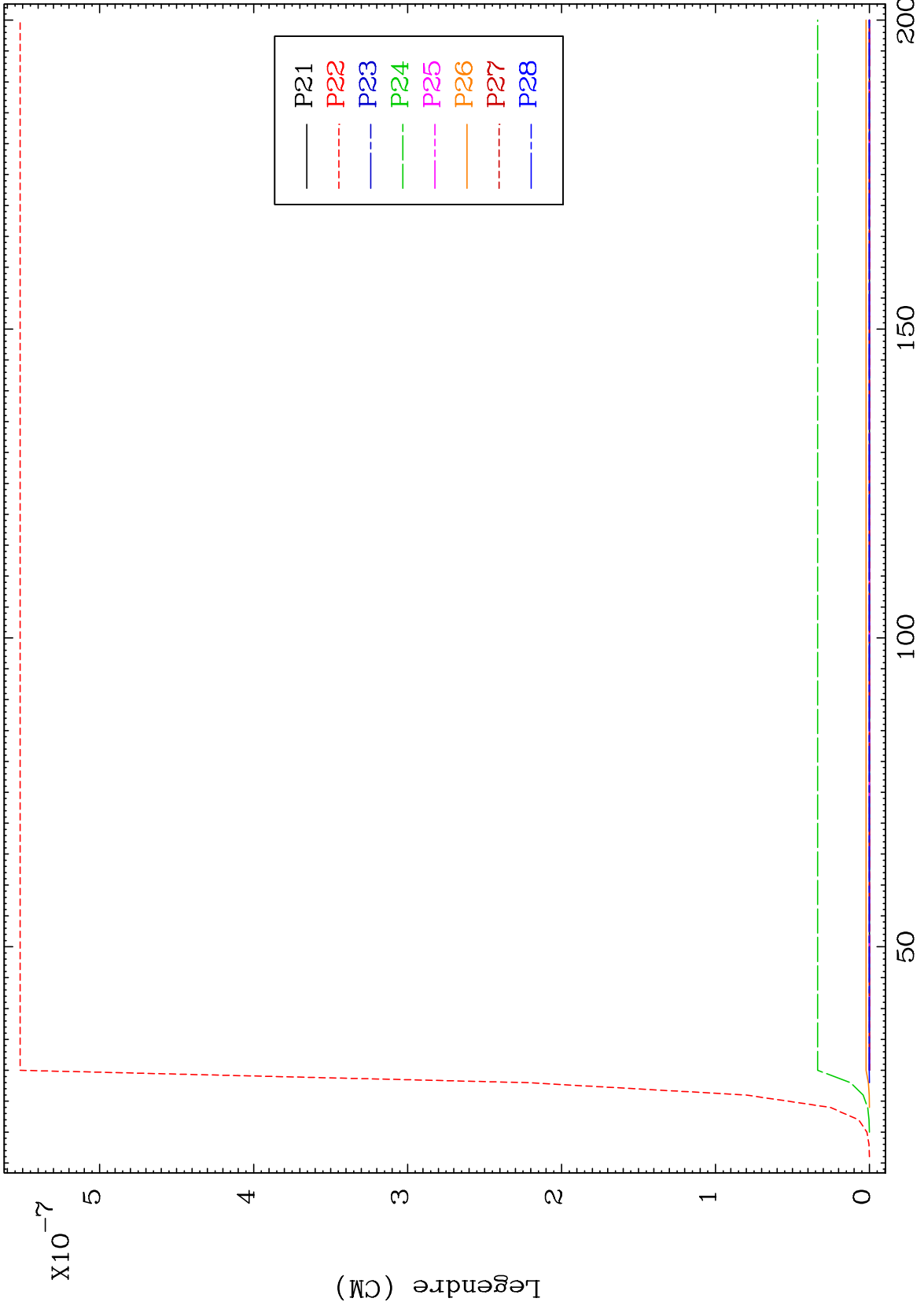
103 69-Tm-170

MAT 6928 MT= 75 (n,n') Level Legendre Coefficients 69-Tm-170



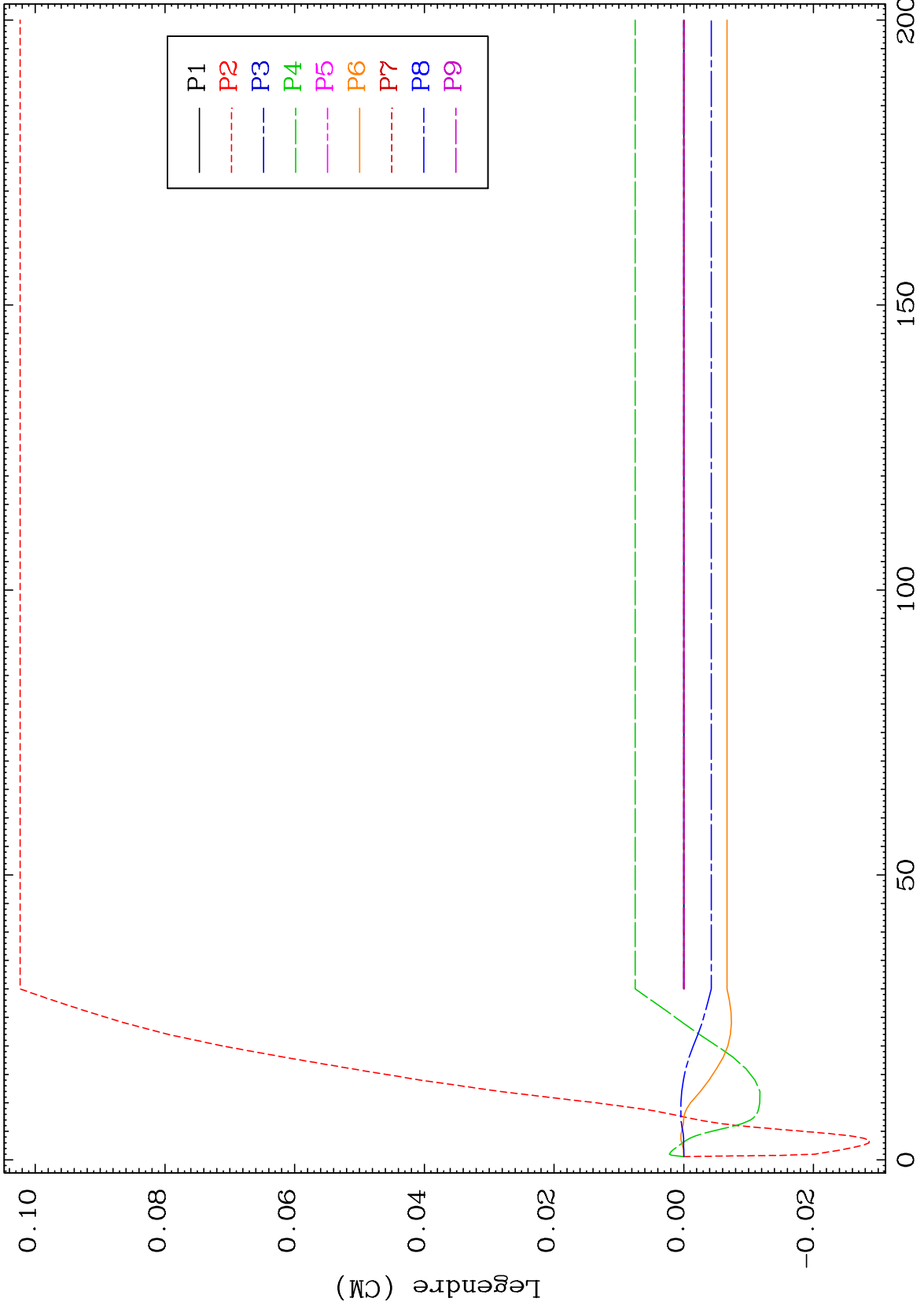
104 Incident Energy (MeV) 69-Tm-170

MAT 6928 MT= 75 (n,n') Level Legendre Coefficients 69-Tm-170



106 Incident Energy (MeV) 69-Tm-170

MAT 6928 MT= 76 (n,n') Level Legendre Coefficients 69-Tm-170

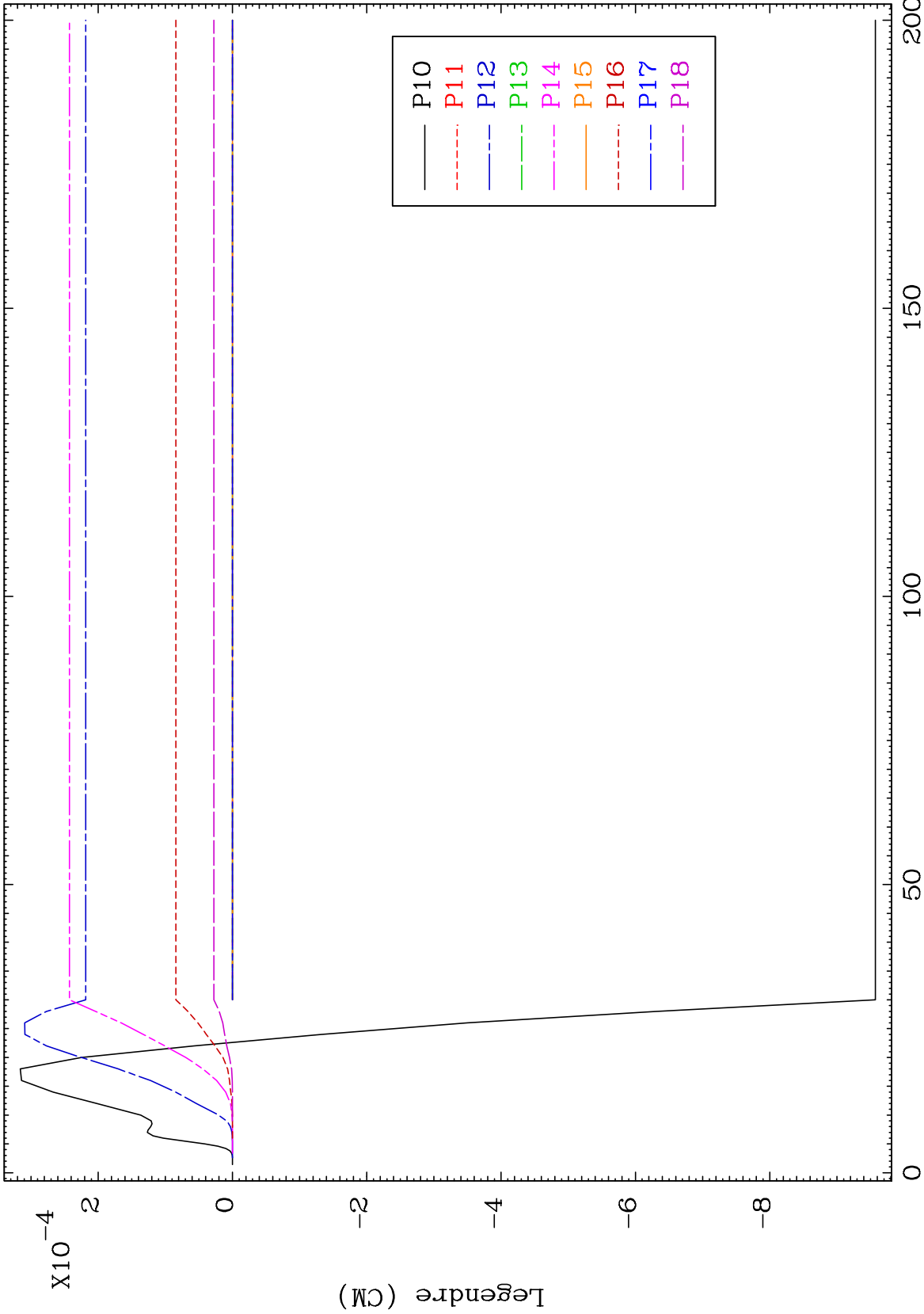


107 69-Tm-170

MAT 6928

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

69-Tm-170

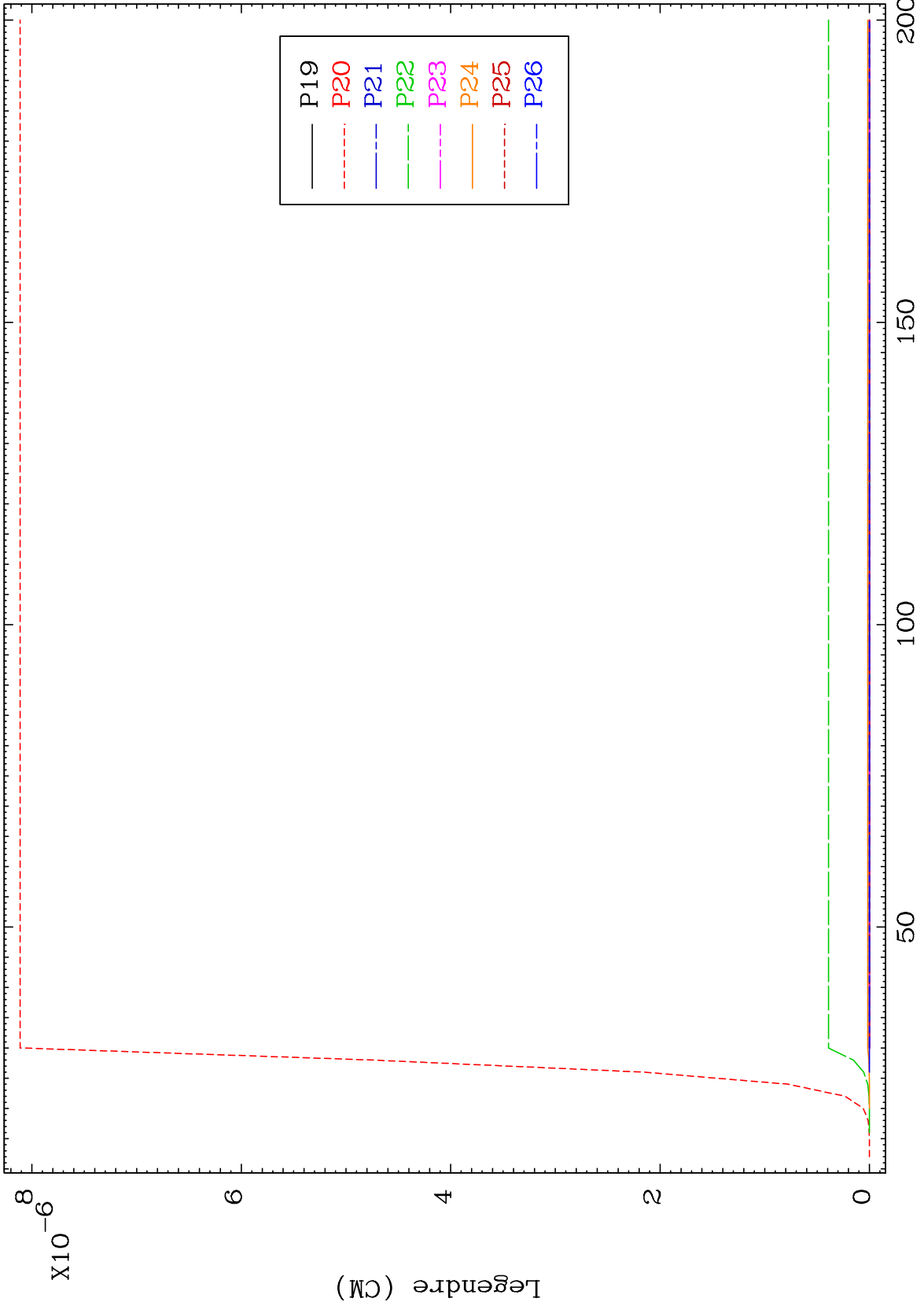


108

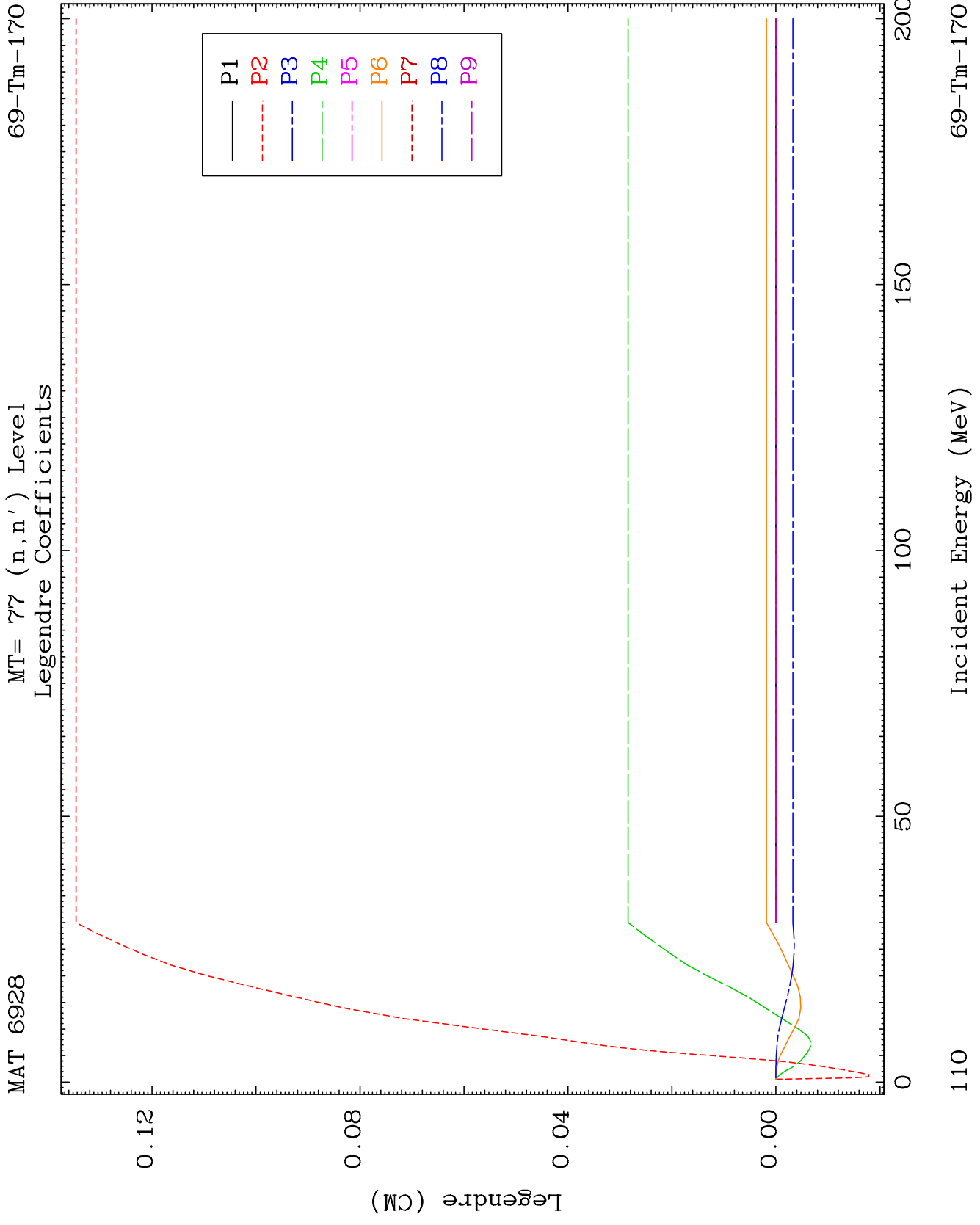
Incident Energy (MeV)

69-Tm-170

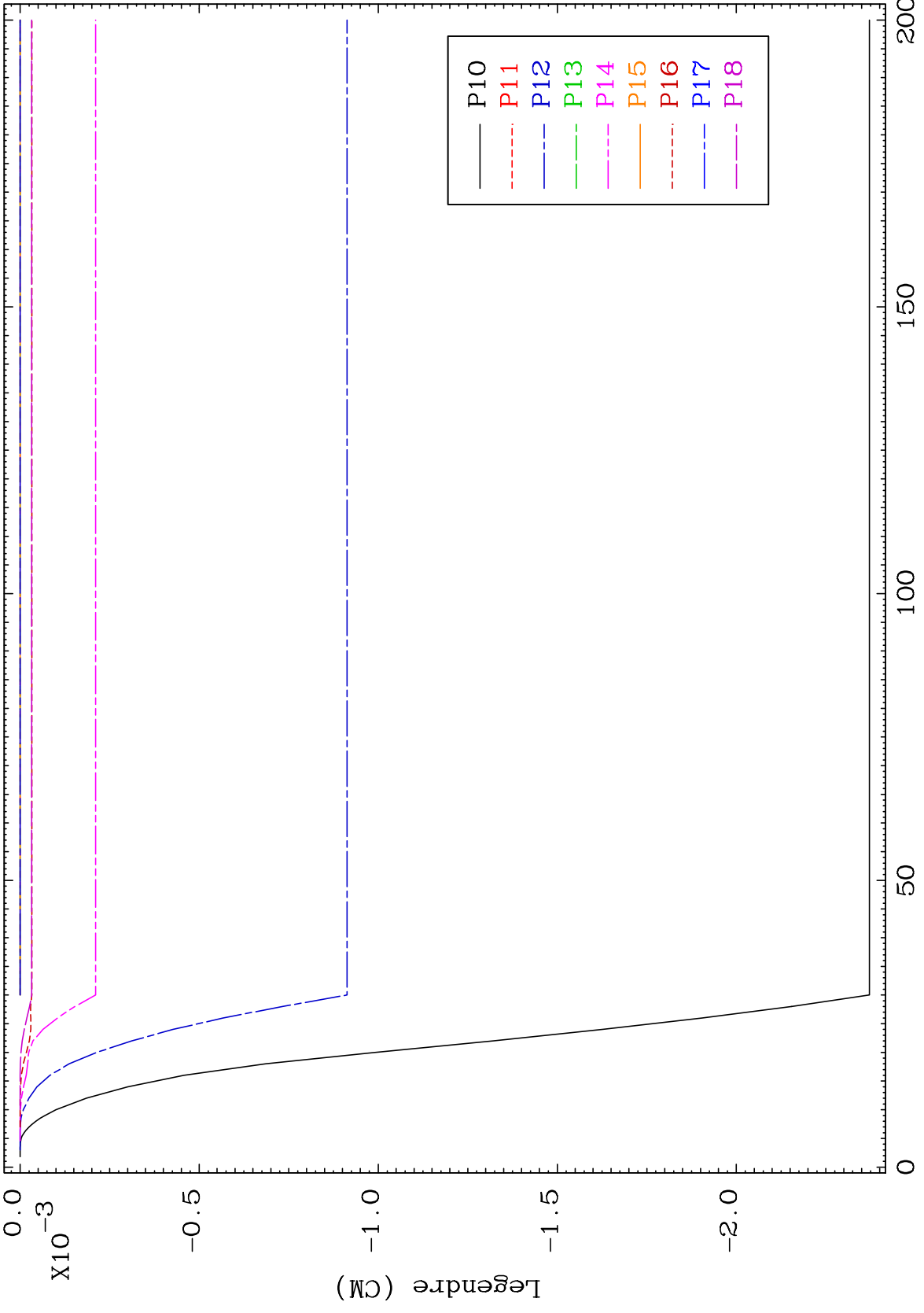
MAT 6928 MT= 76 (n,n') Level Legendre Coefficients 69-Tm-170



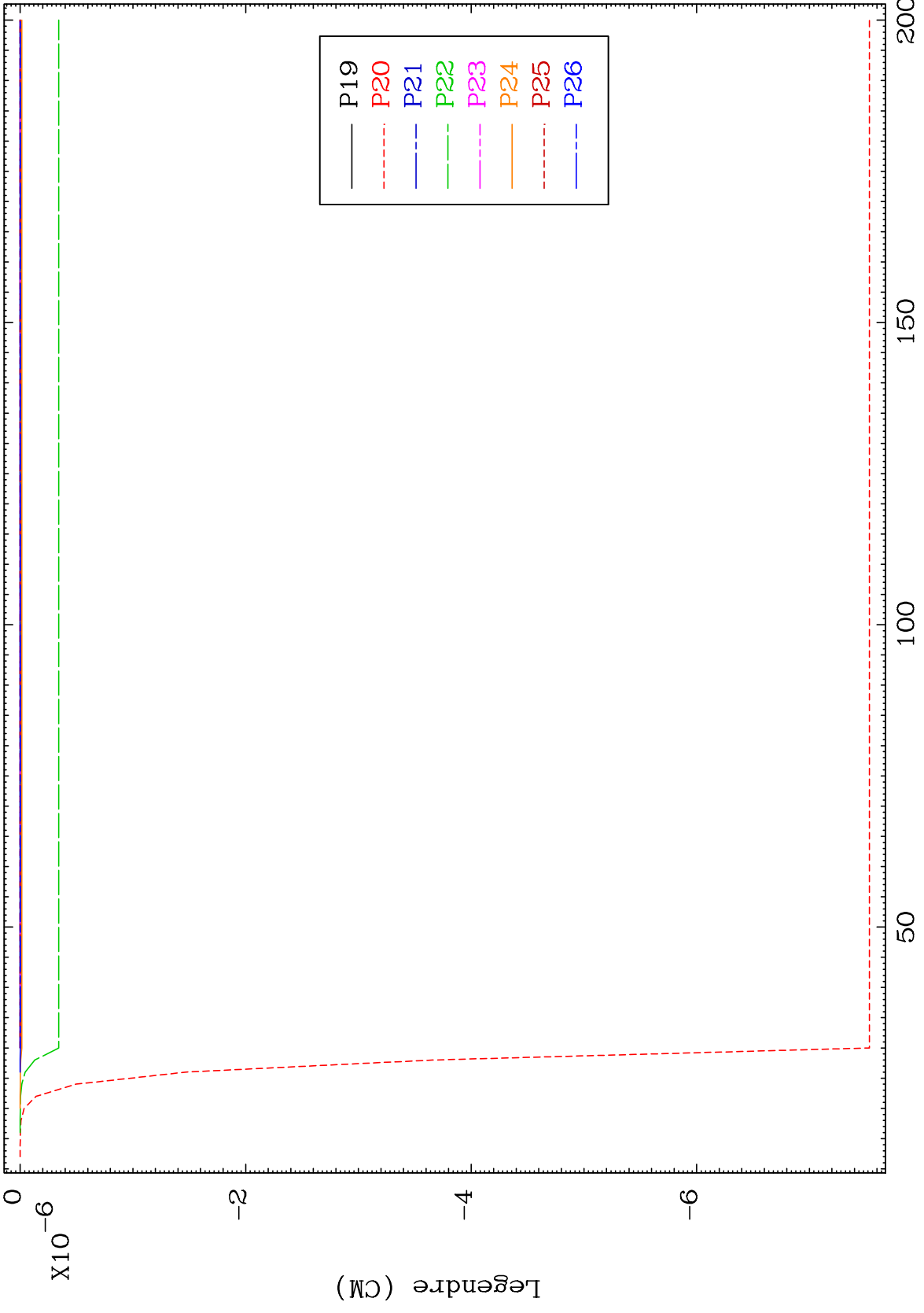
109 Incident Energy (MeV) 69-Tm-170



MAT 6928 MT= 77 (n,n') Level Legendre Coefficients 69-Tm-170



MAT 6928 MT= 77 (n,n') Level Legendre Coefficients 69-Tm-170

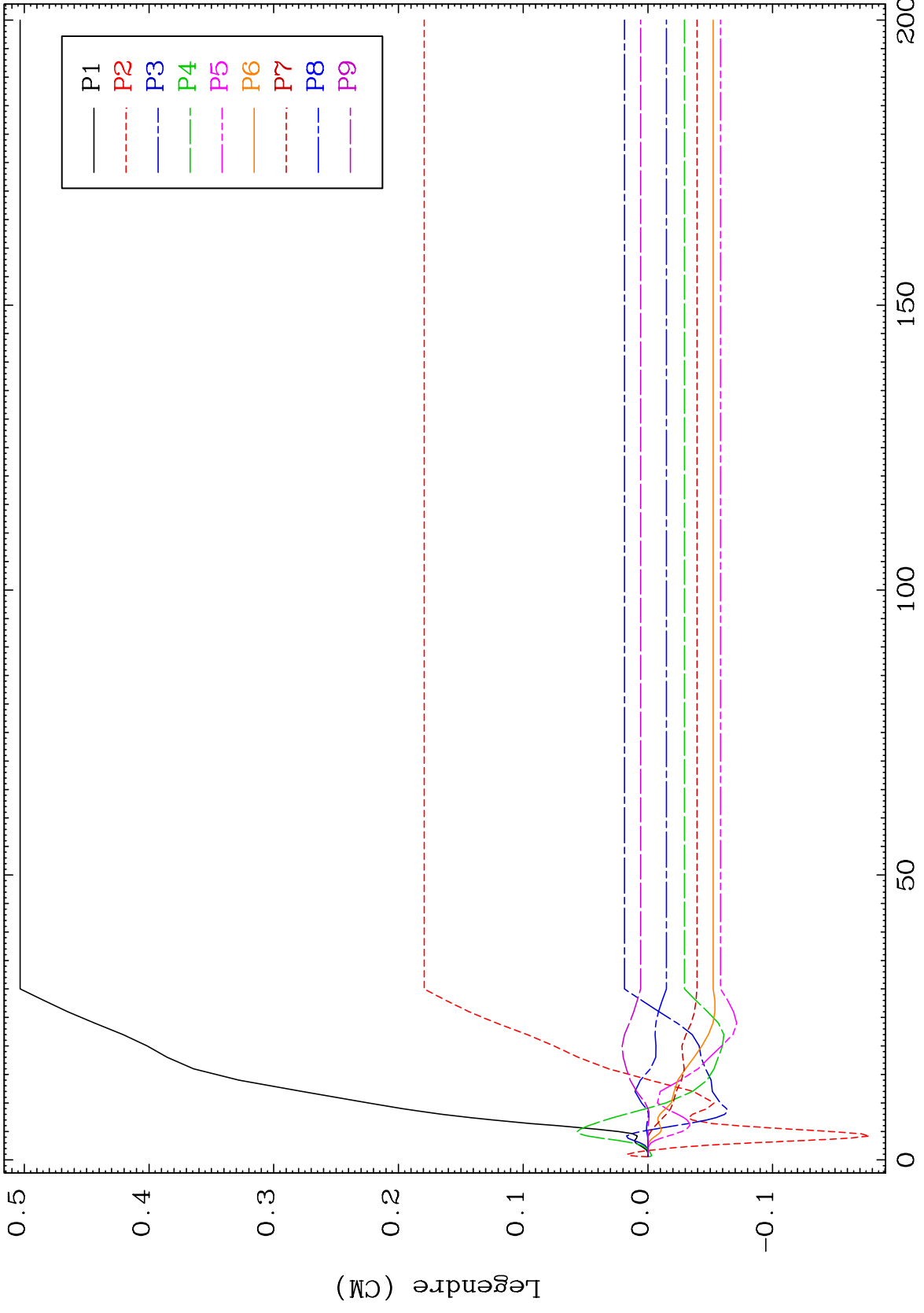


112 69-Tm-170

MAT 6928

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

69-Tm-170



69-Tm-170

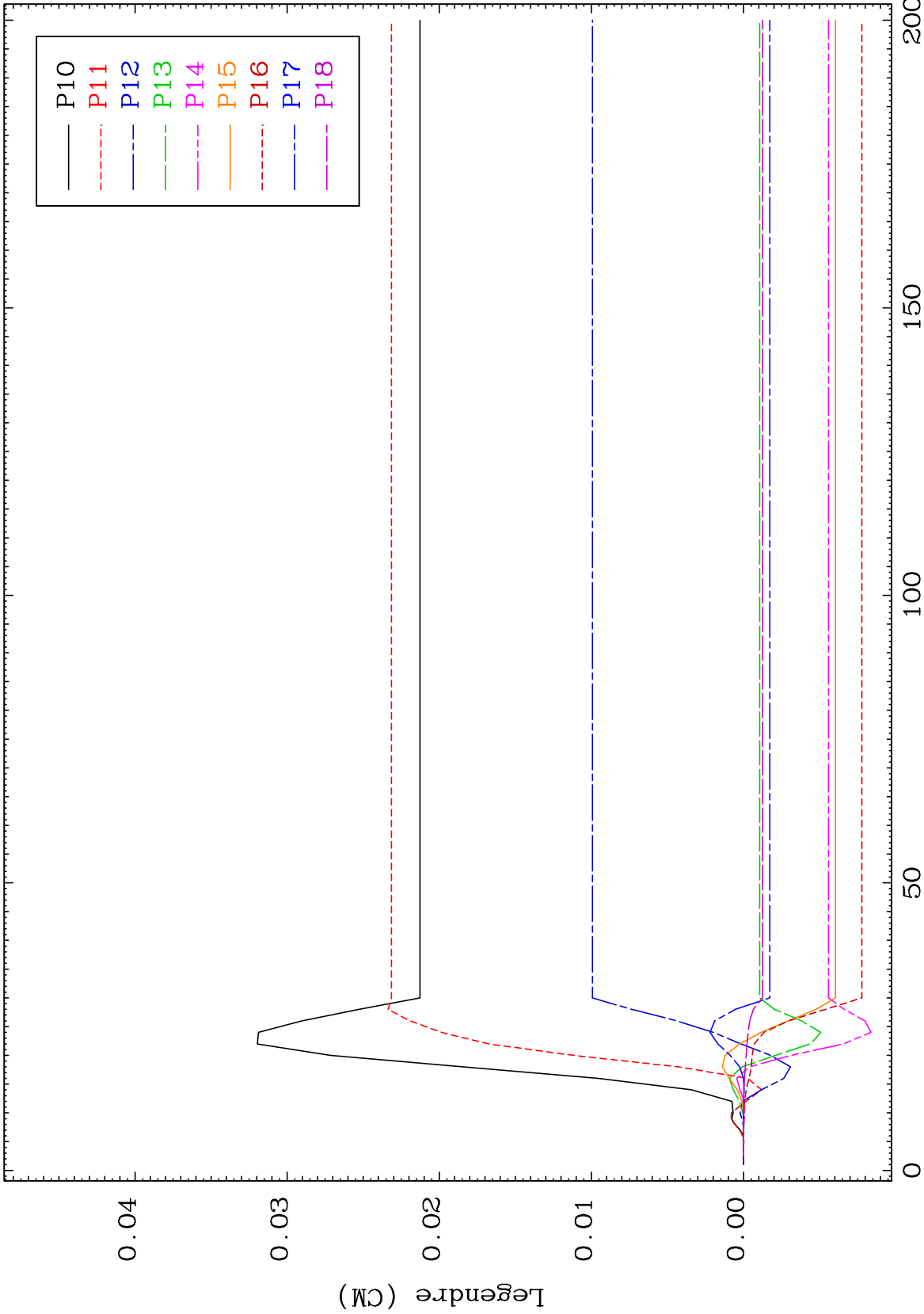
Incident Energy (MeV)

113

MAT 6928

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

69-Tm-170



114

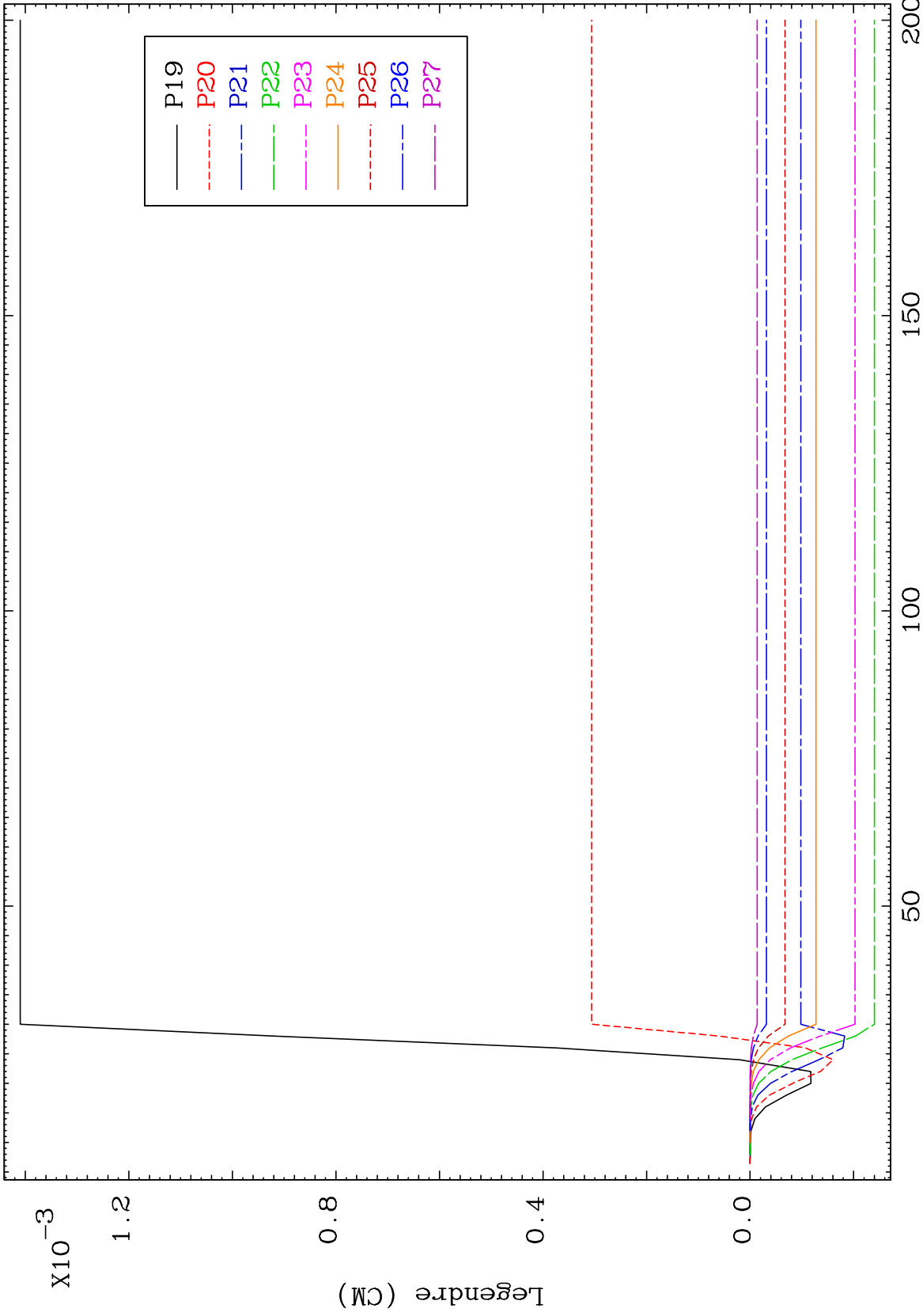
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170

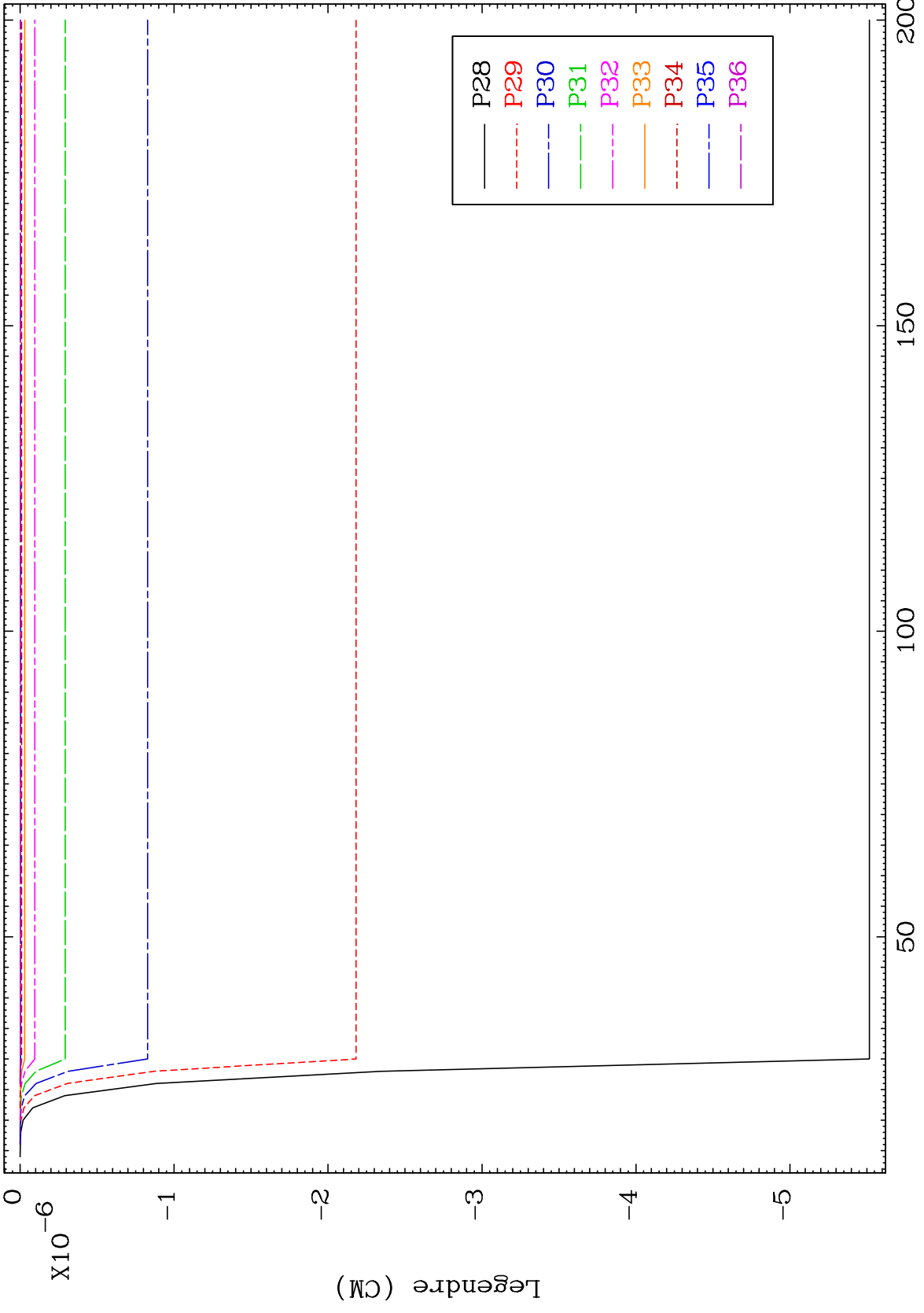


115

Incident Energy (MeV)

69-Tm-170

MAT 6928 MT= 78 (n,n') Level Legendre Coefficients 69-Tm-170

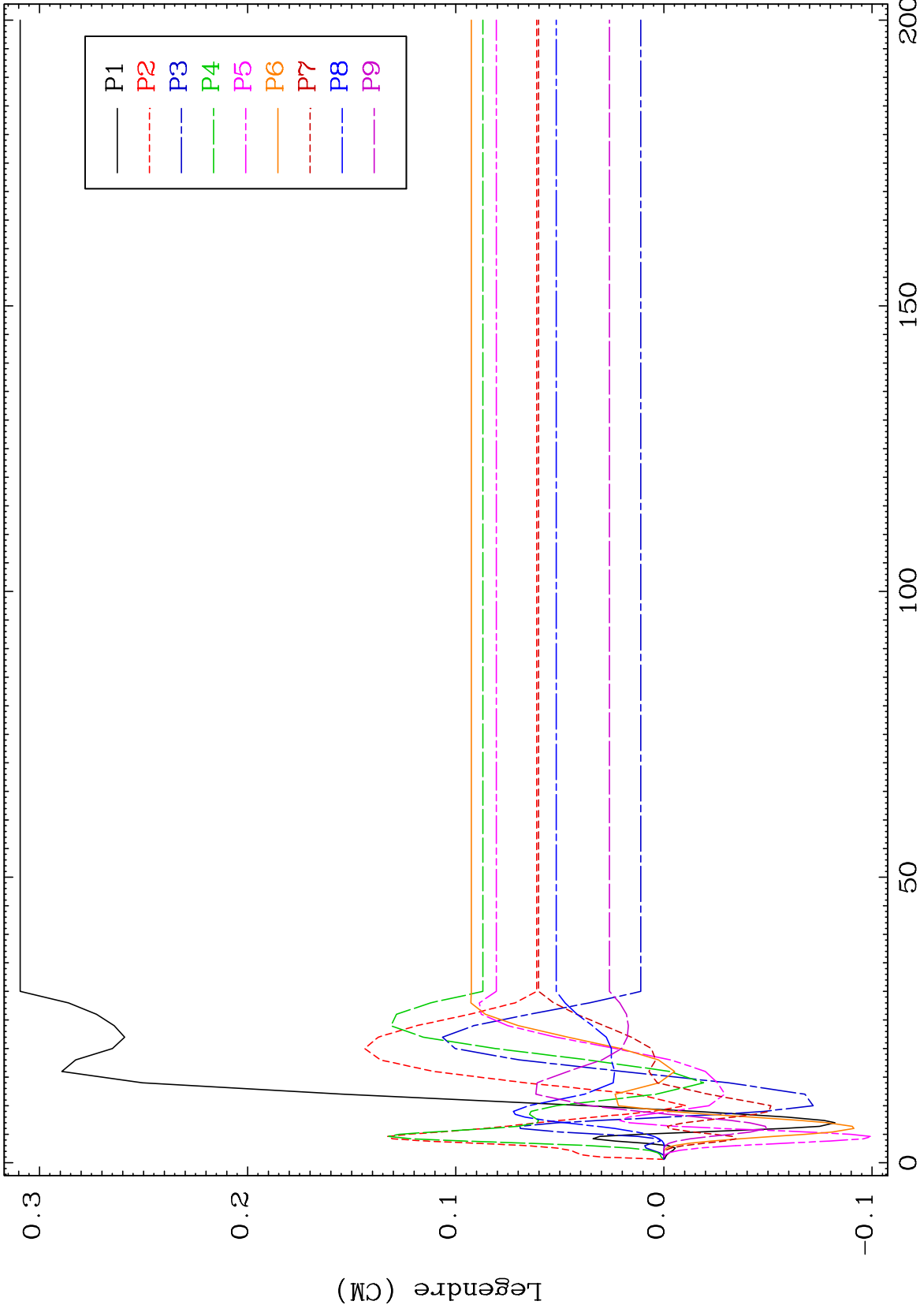


116 69-Tm-170

MAT 6928

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

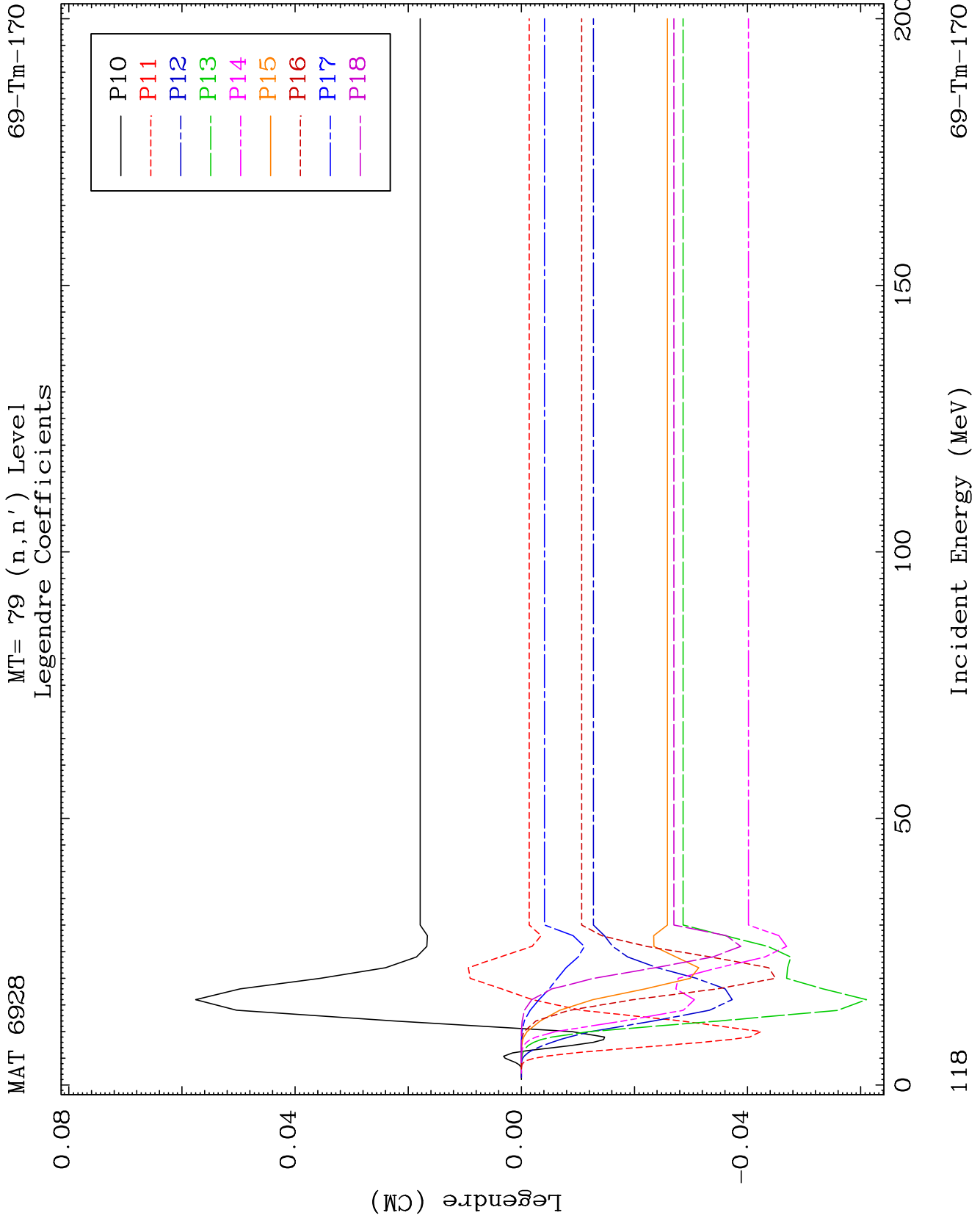
69-Tm-170



117

Incident Energy (MeV)

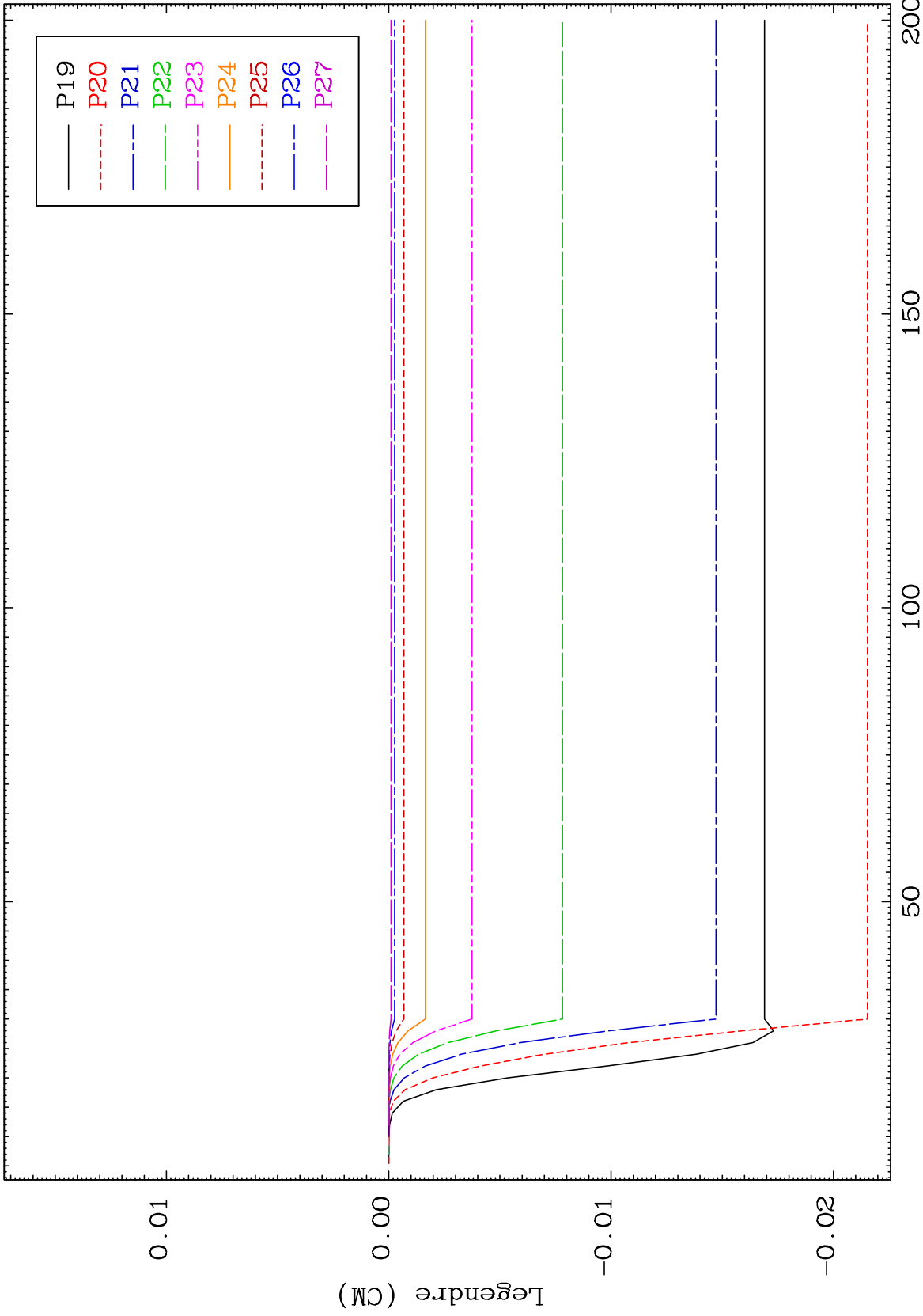
69-Tm-170



MAT 6928

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

69-Tm-170

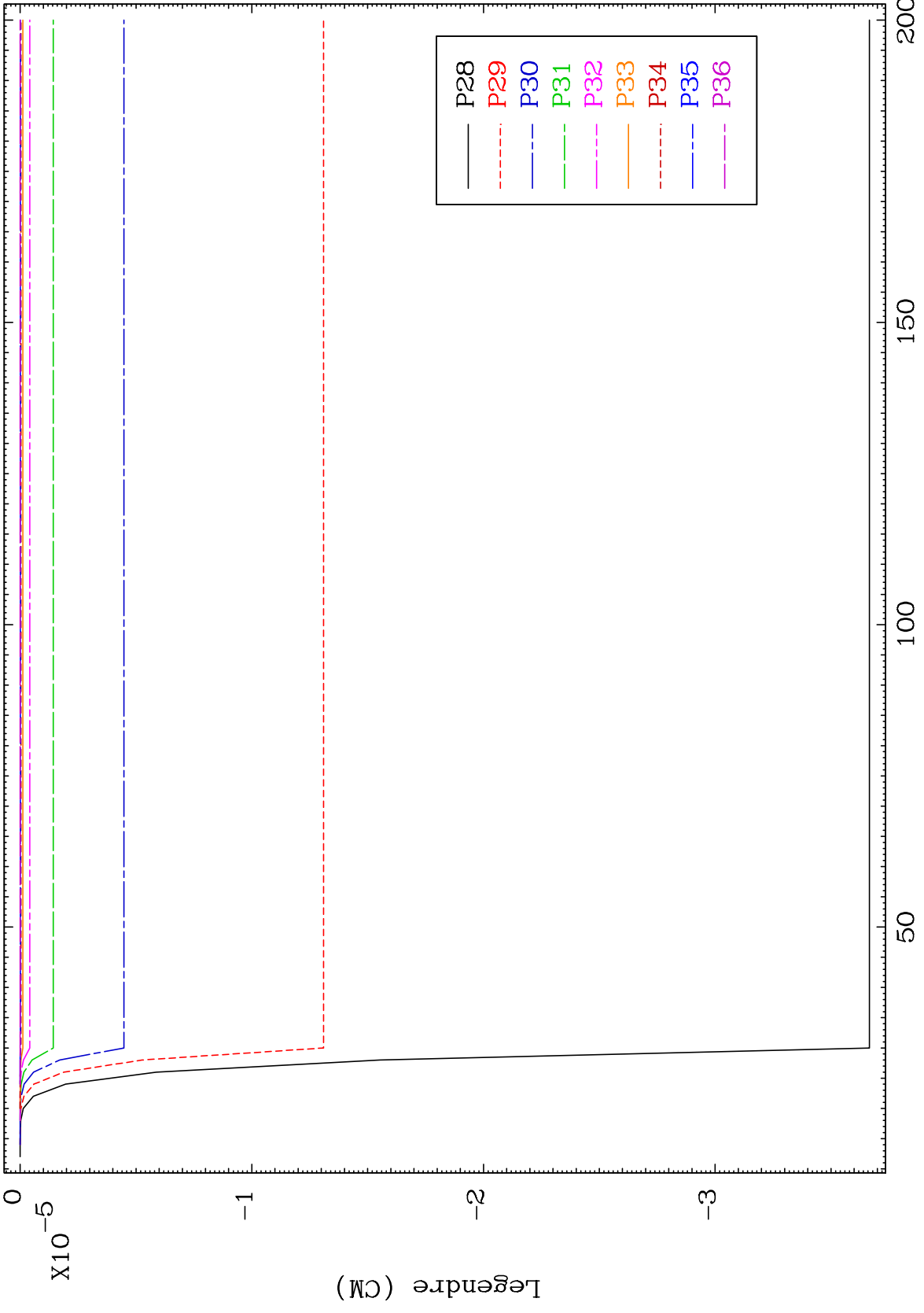


119

Incident Energy (MeV)

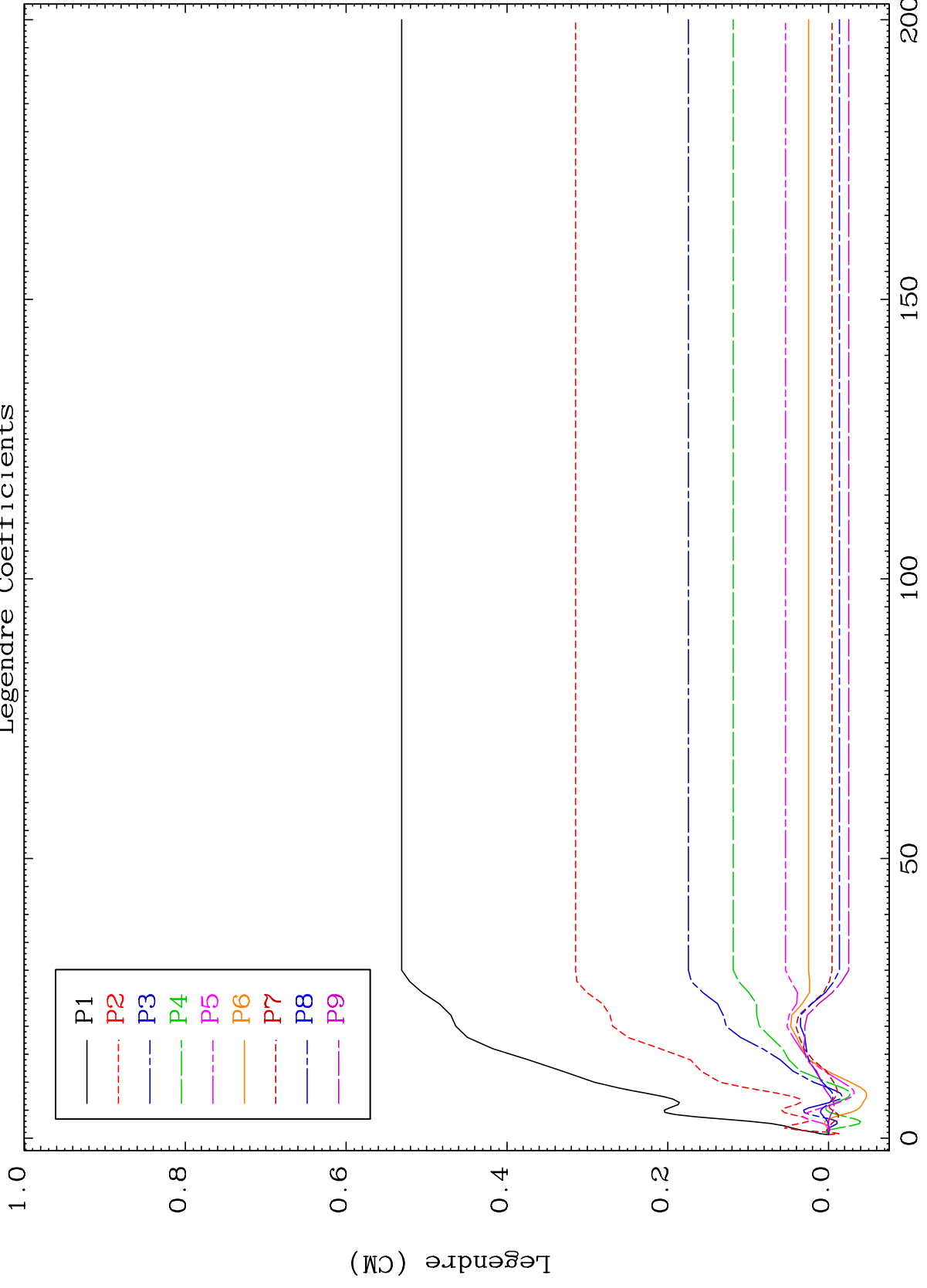
69-Tm-170

MAT 6928 MT= 79 (n,n') Level Legendre Coefficients 69-Tm-170



120 Incident Energy (MeV) 200 69-Tm-170

MAT 6928 MT= 80 (n,n') Level Legendre Coefficients 69-Tm-170

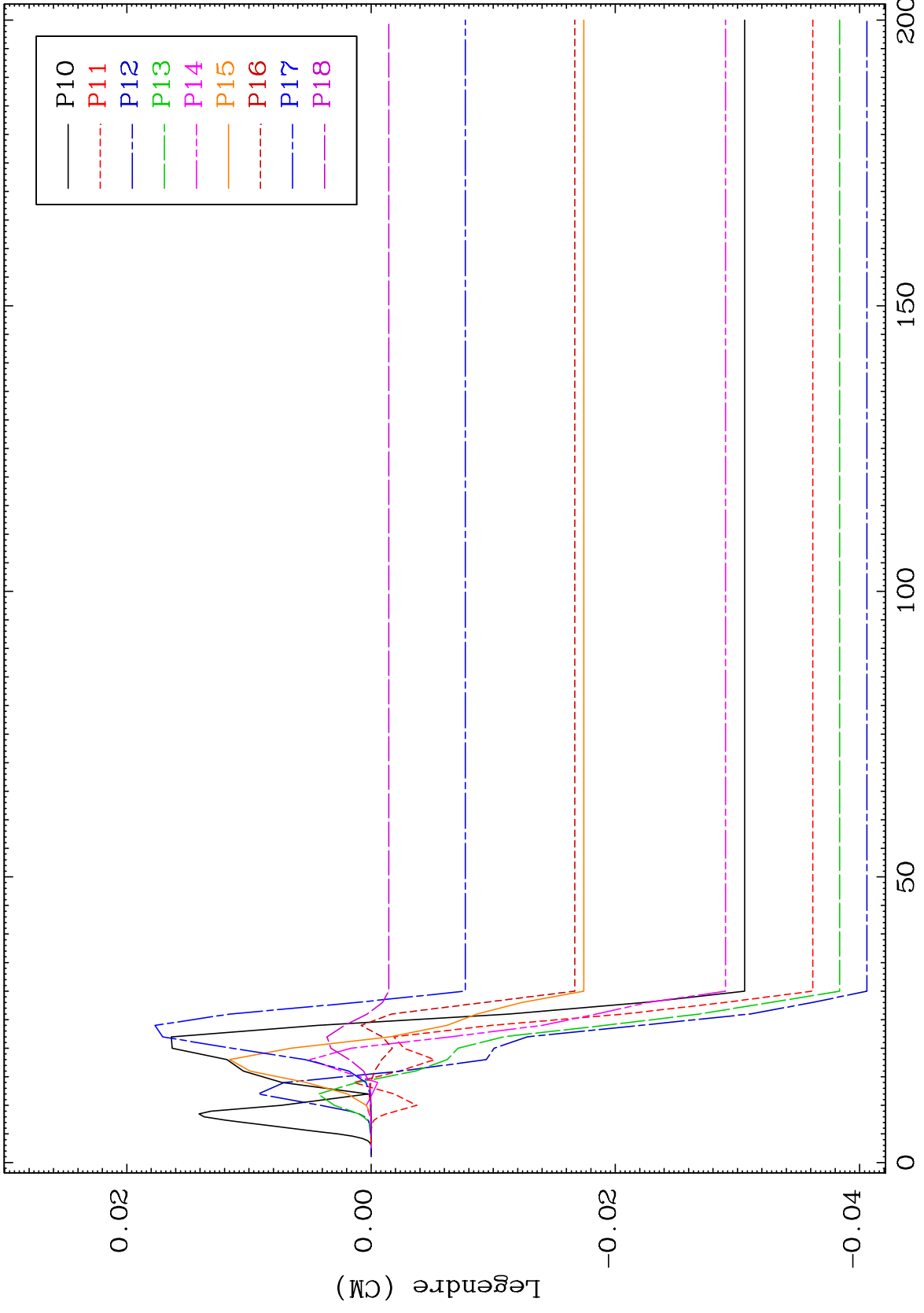


121 69-Tm-170

MAT 6928

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

69-Tm-170



122

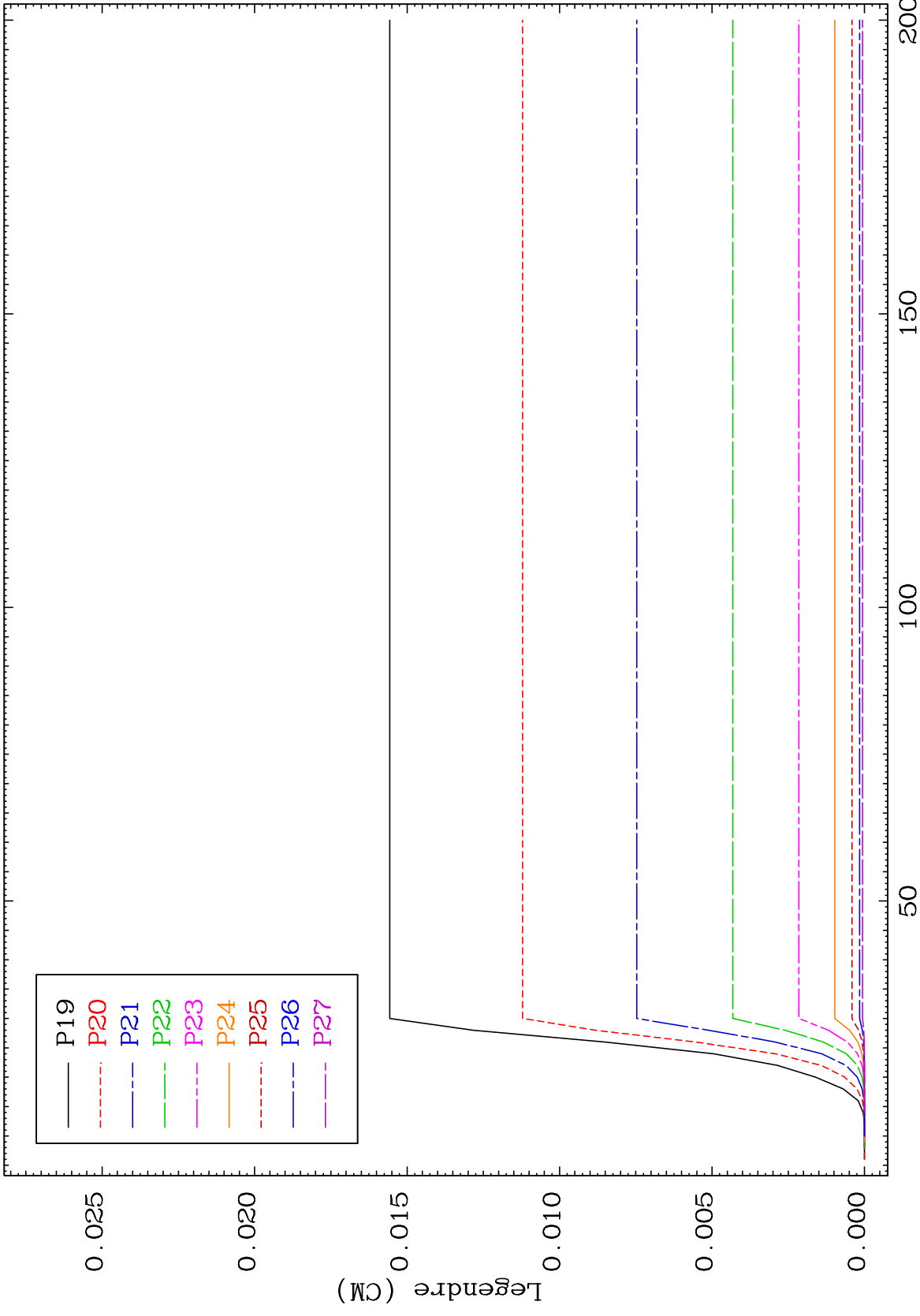
Incident Energy (MeV)

69-Tm-170

MAT 6928

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

69-Tm-170

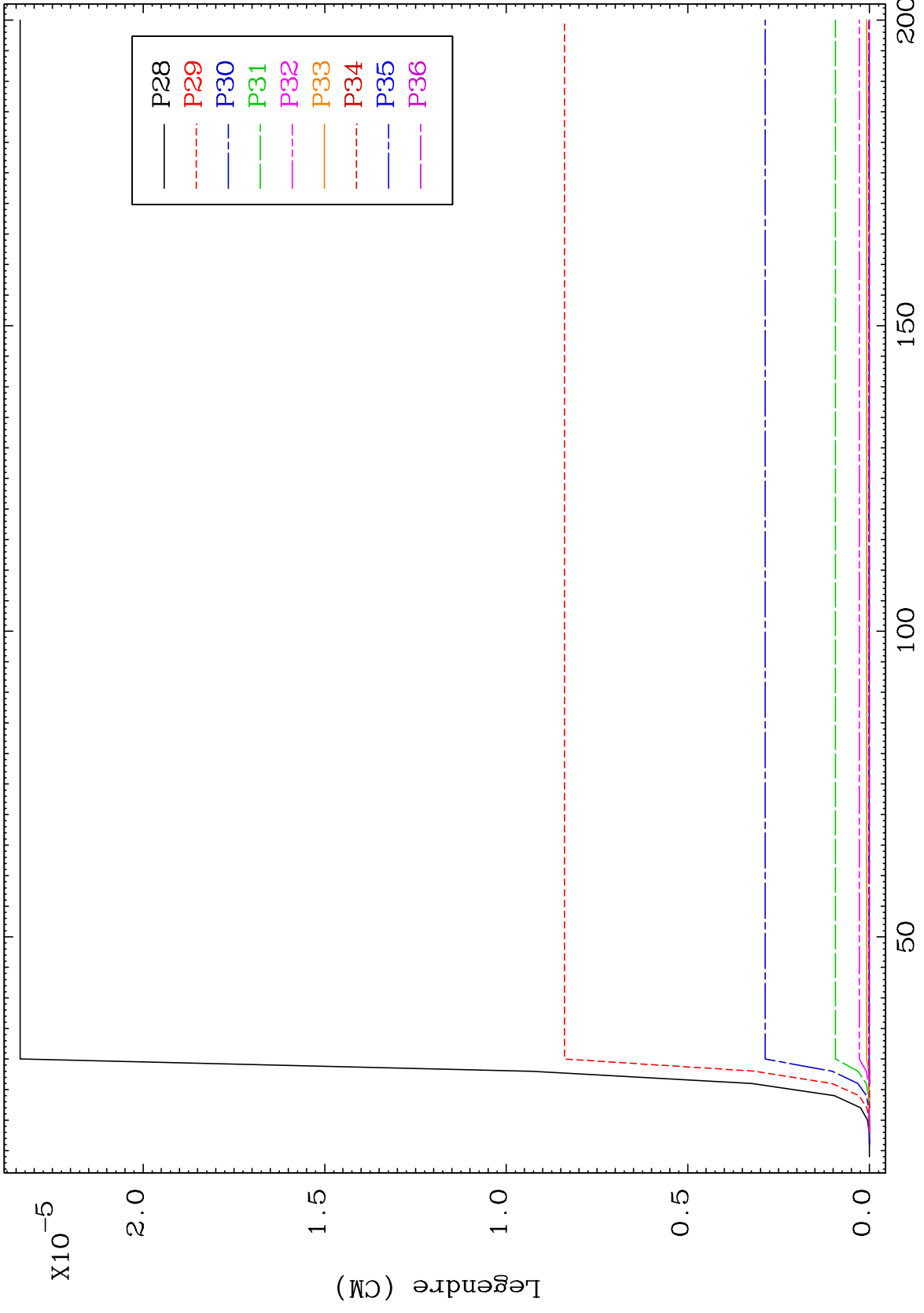


123

Incident Energy (MeV)

69-Tm-170

MAT 6928 MT= 80 (n,n') Level Legendre Coefficients 69-Tm-170



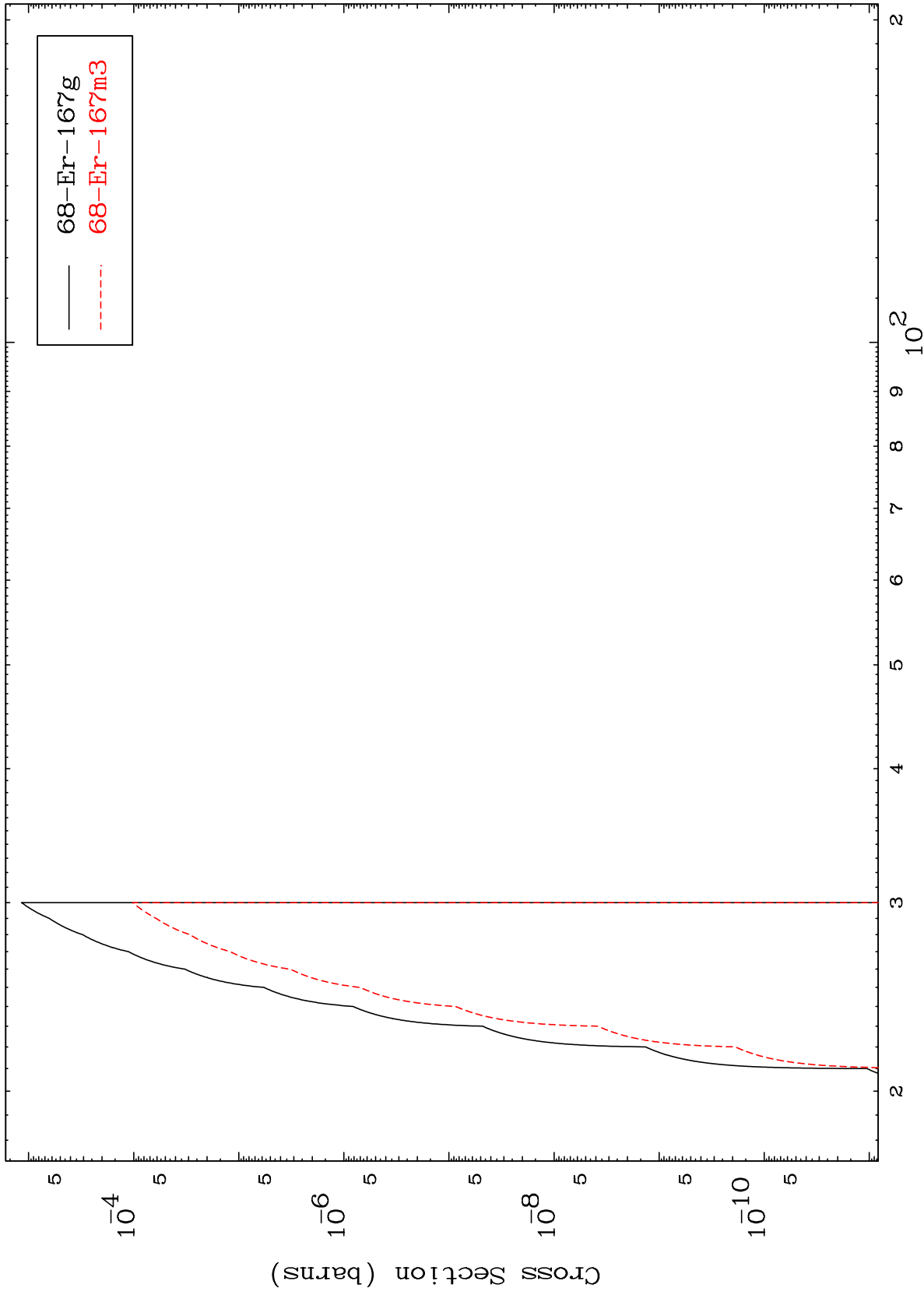
124 69-Tm-170

MAT 6928

(n,2n) d

69-Tm-170

Radionuclide Production Cross Section



125

Incident Energy (MeV)

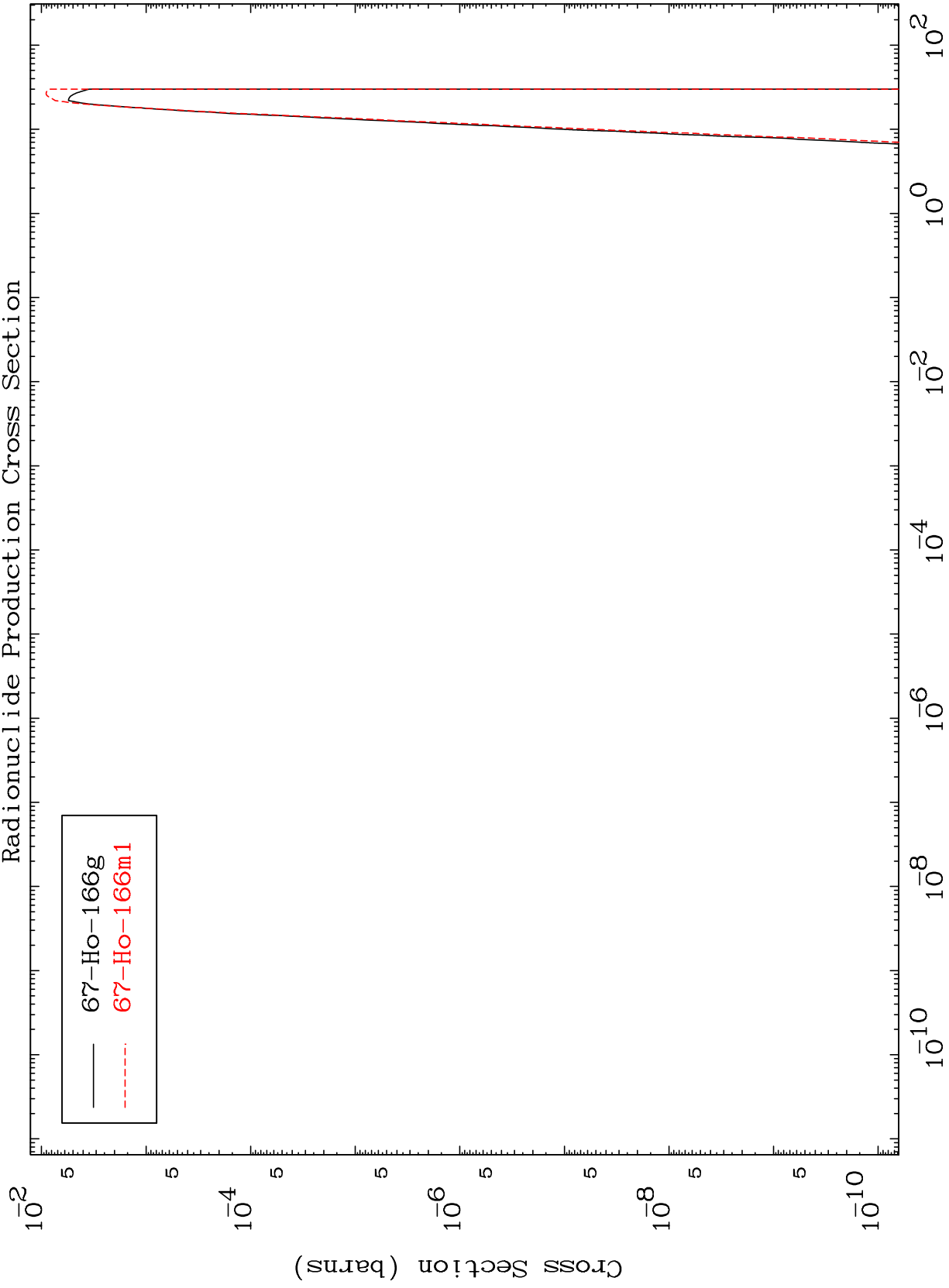
69-Tm-170

MAT 6928

(n,n') α

69-Tm-170

Radionuclide Production Cross Section



126

Incident Energy (MeV)

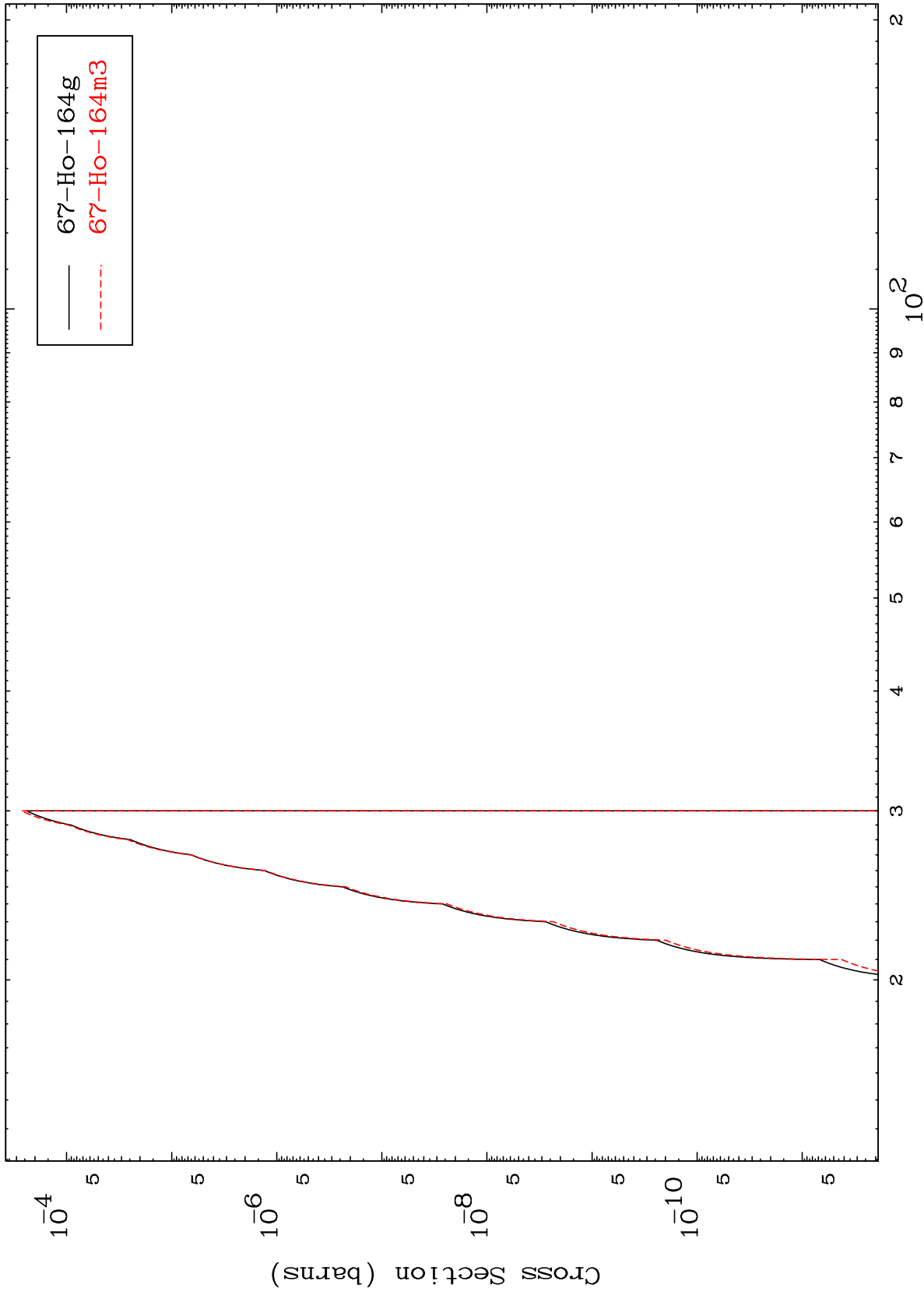
69-Tm-170

MAT 6928

(n,3n) α

69-Tm-170

Radionuclide Production Cross Section



127

Incident Energy (MeV)

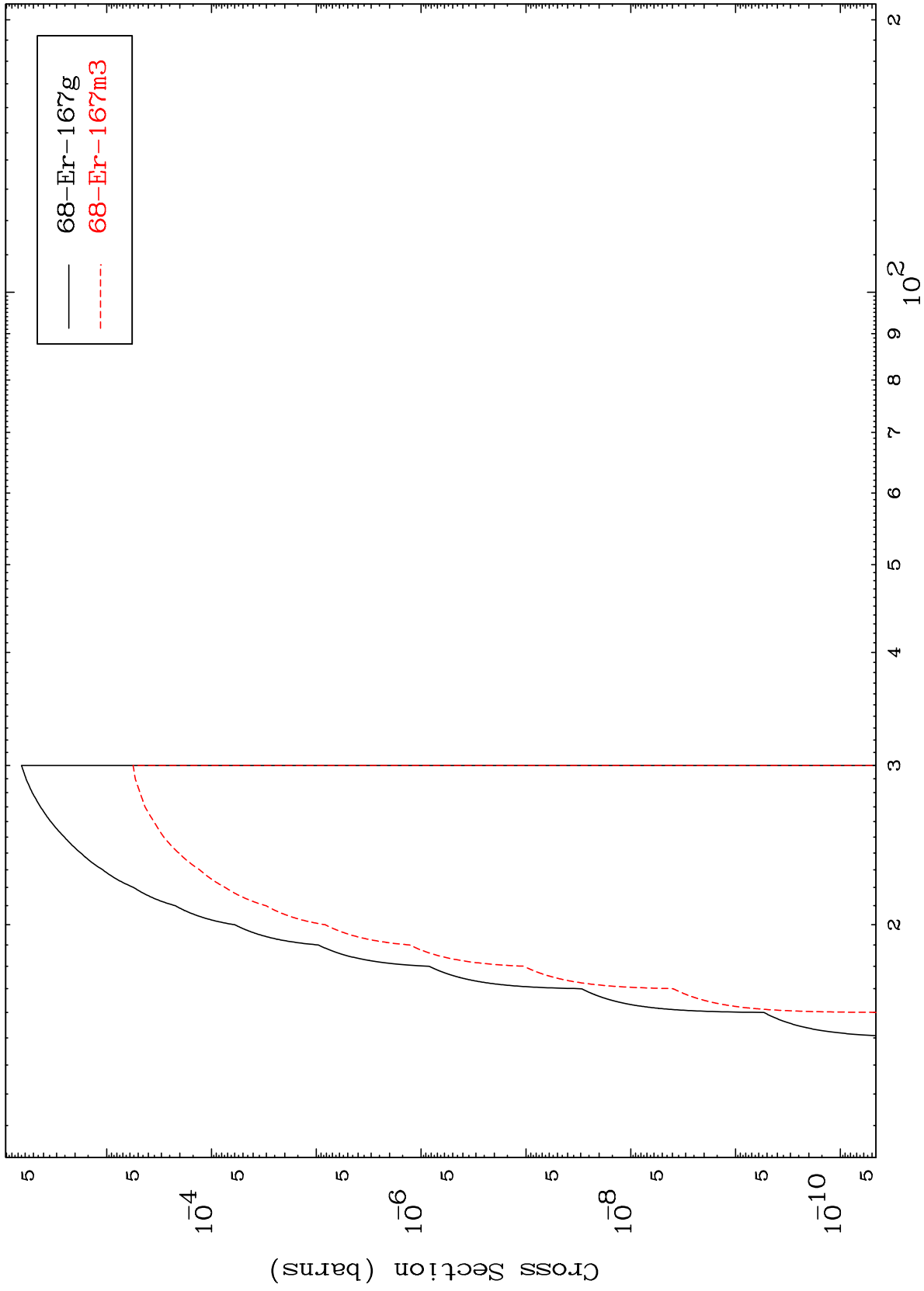
69-Tm-170

MAT 6928

(n,n') t

69-Tm-170

Radionuclide Production Cross Section



128

Incident Energy (MeV)

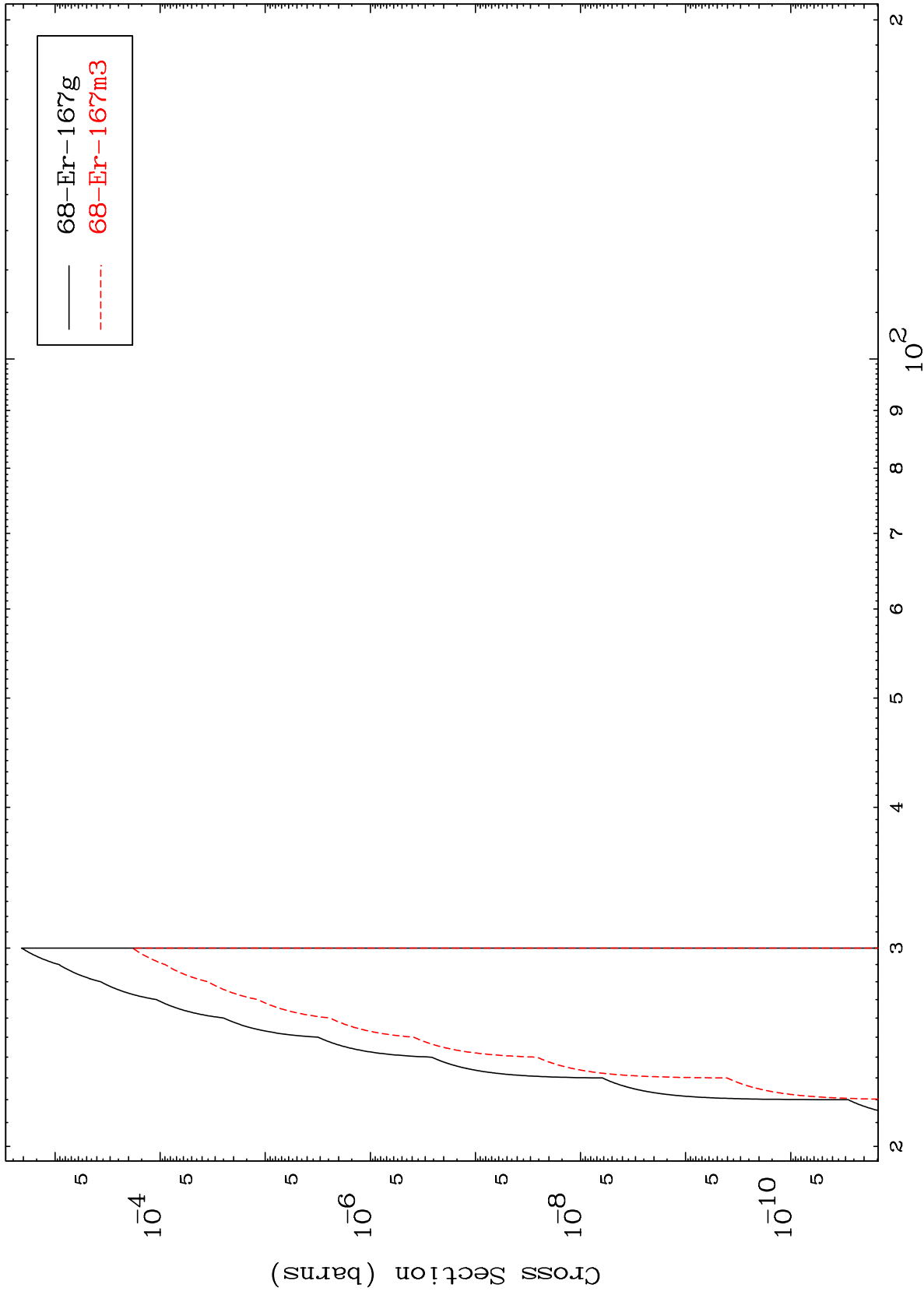
69-Tm-170

MAT 6928

(n,3n) p

69-Tm-170

Radionuclide Production Cross Section



129

Incident Energy (MeV)

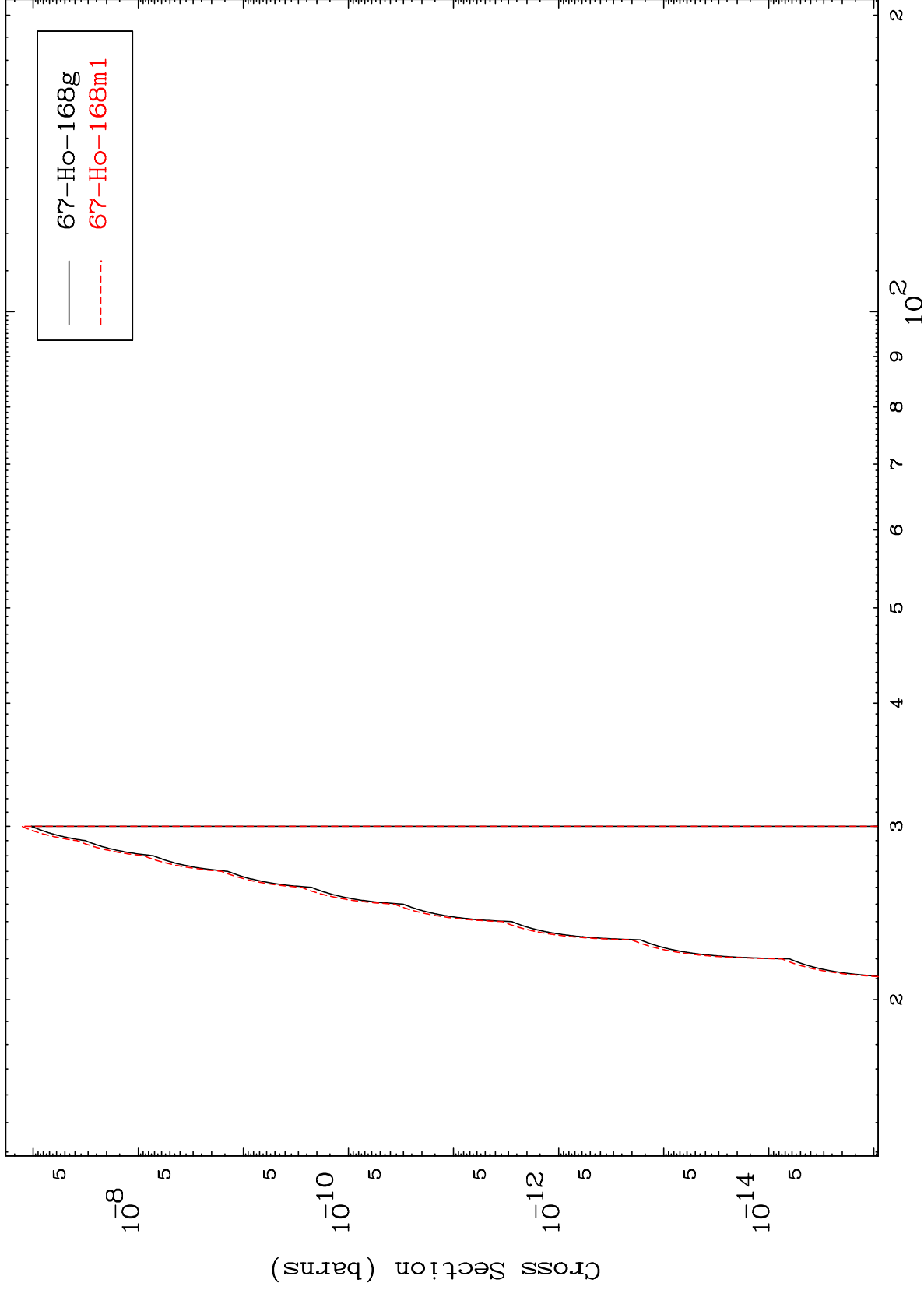
69-Tm-170

MAT 6928

(n,2n) p

69-Tm-170

Radionuclide Production Cross Section



130

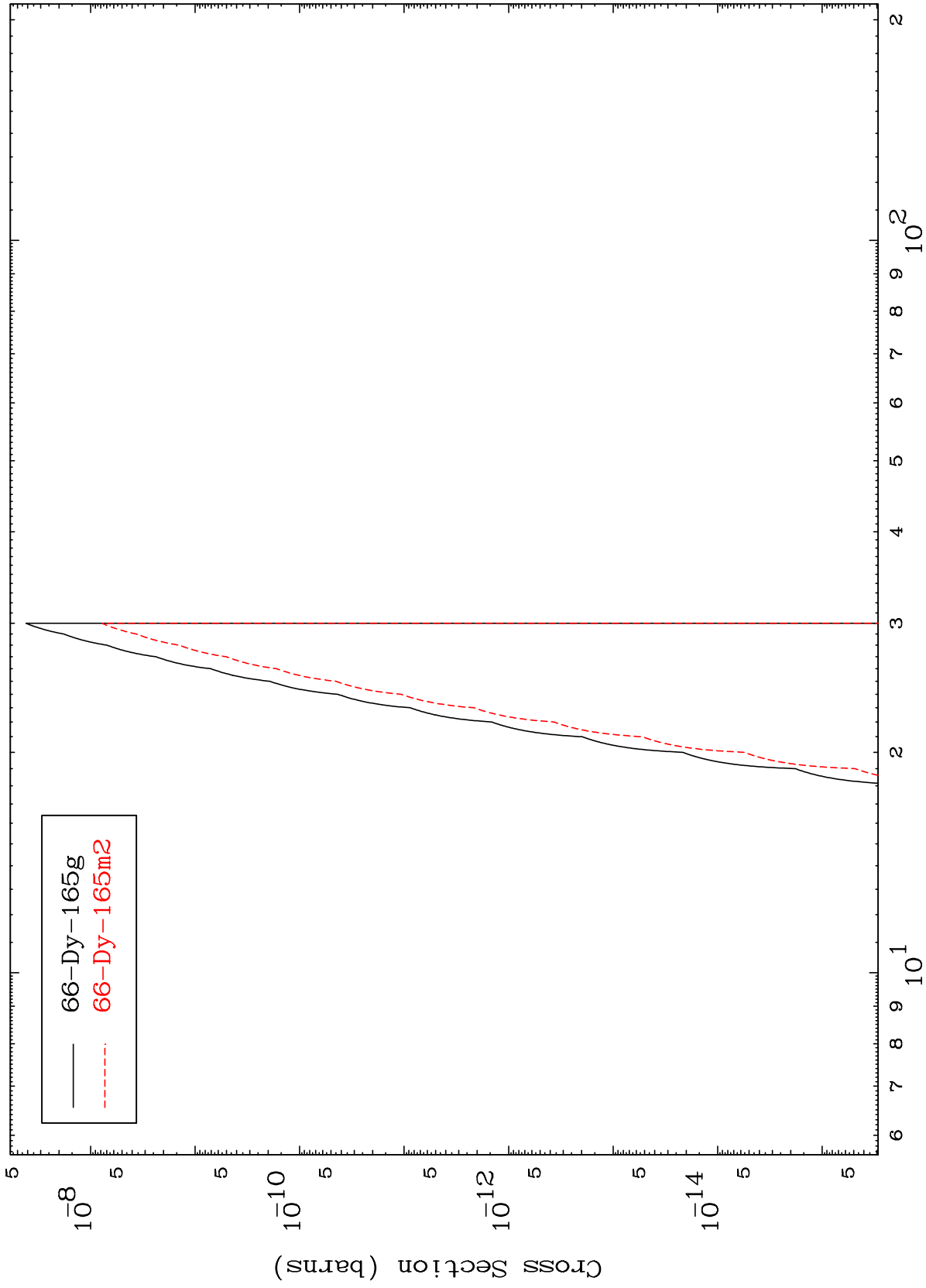
Incident Energy (MeV)

69-Tm-170

MAT 6928

69-Tm-170

(n,n') p α
Radionuclide Production Cross Section



131

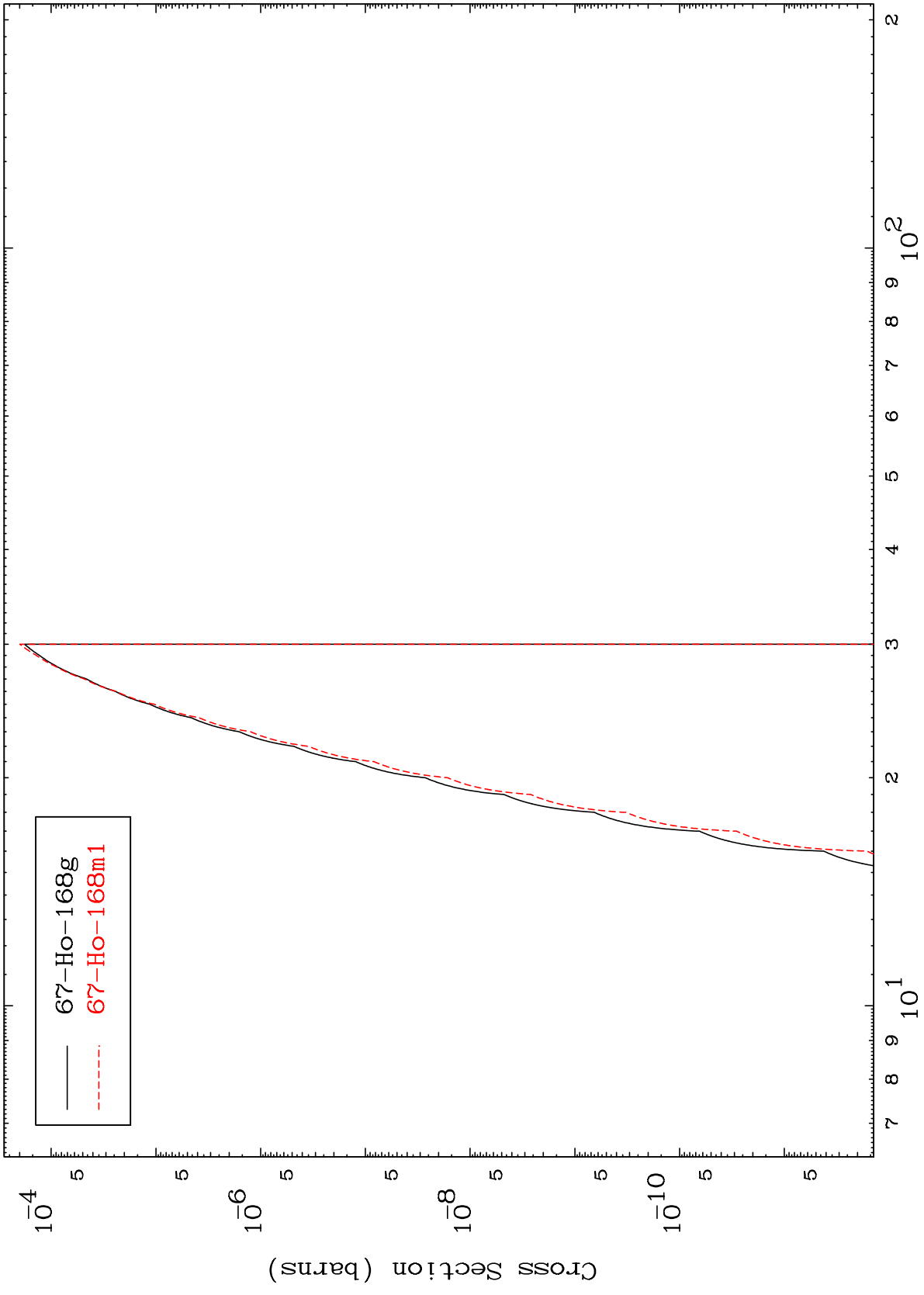
69-Tm-170

MAT 6928

(n,He-3)

69-Tm-170

Radionuclide Production Cross Section



67-Ho-168g
67-Ho-168m1

132

Incident Energy (MeV)

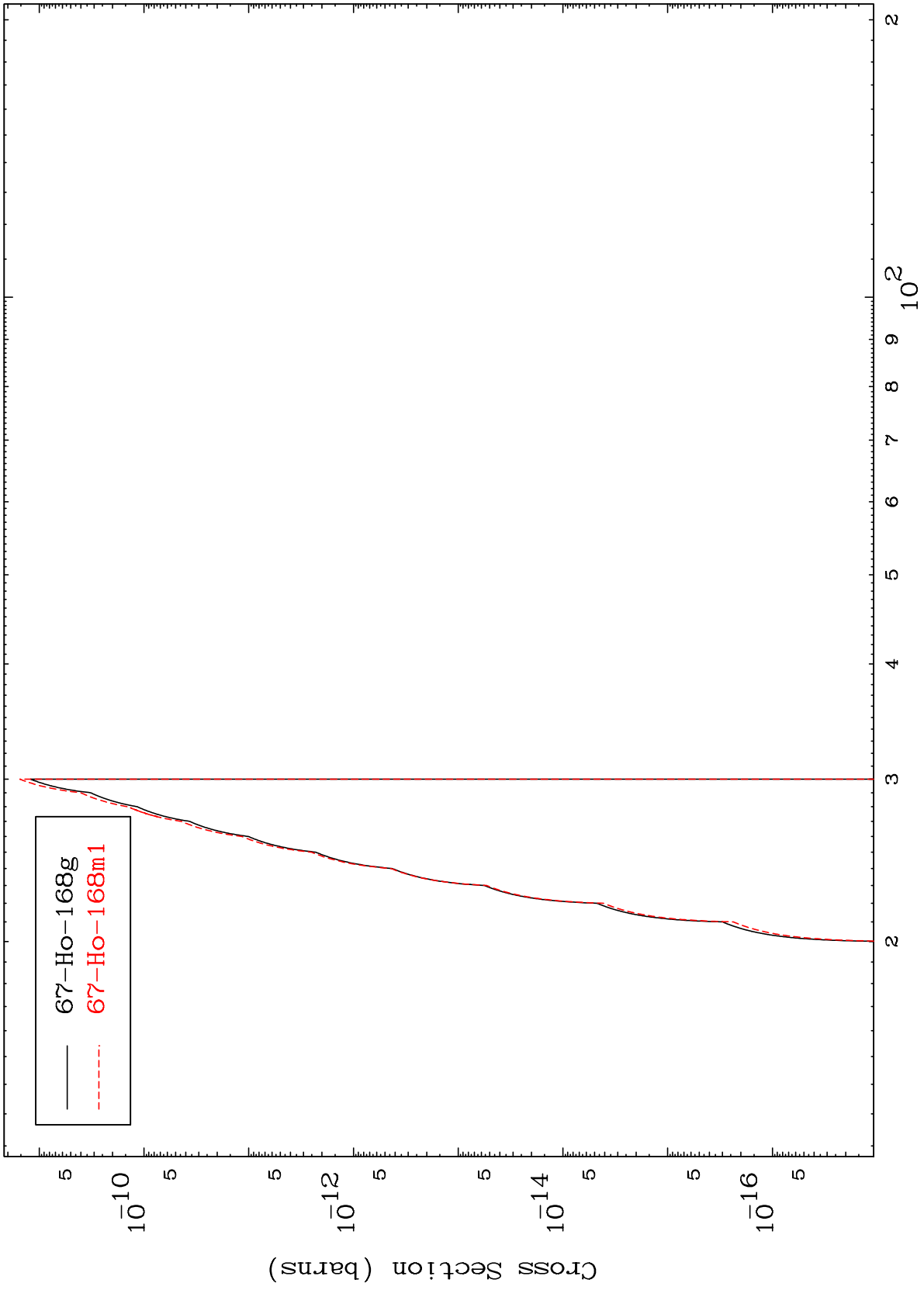
69-Tm-170

MAT 6928

(n,p) d

69-Tm-170

Radionuclide Production Cross Section



133

Incident Energy (MeV)

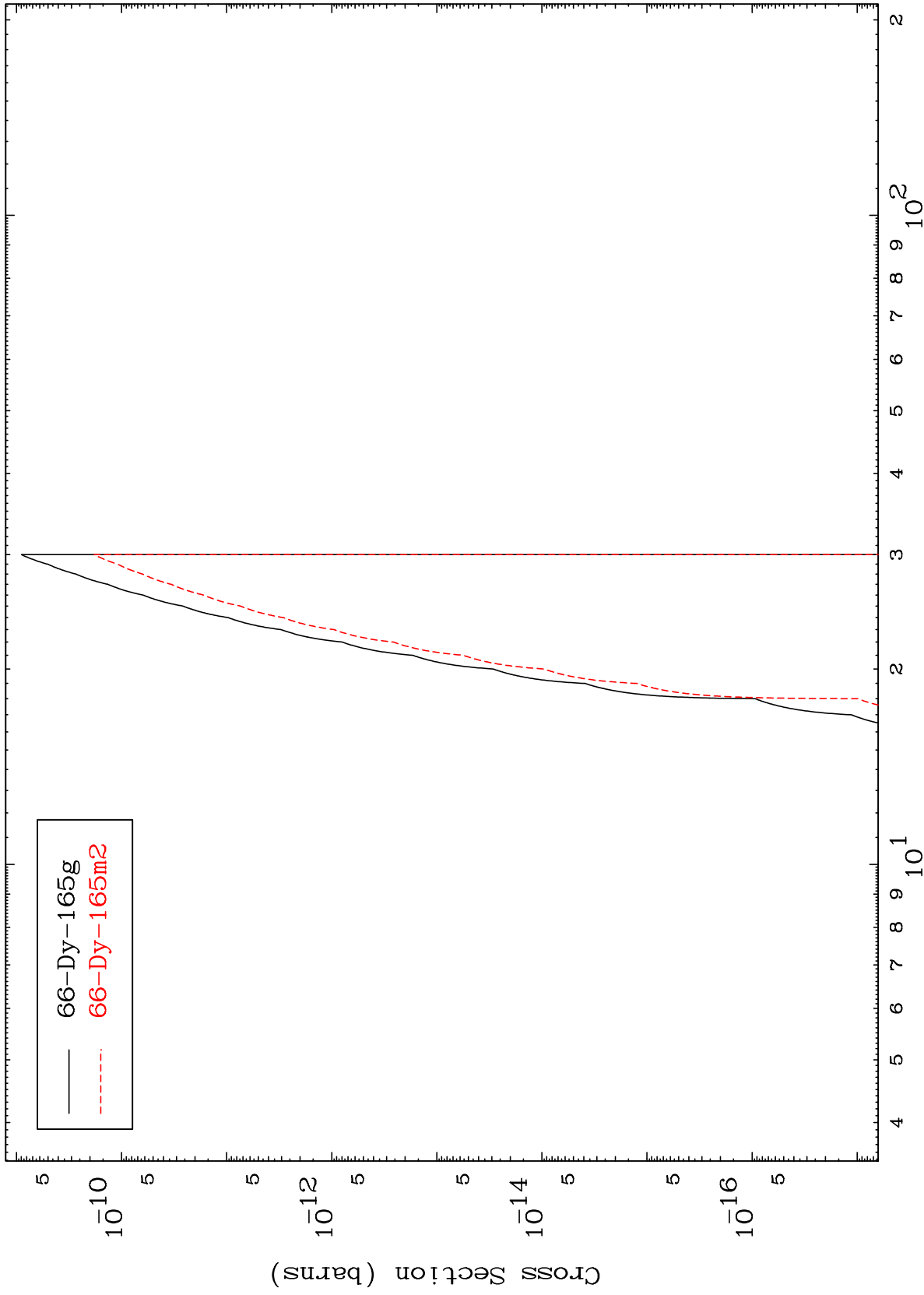
69-Tm-170

MAT 6928

(n,d) α

69-Tm-170

Radionuclide Production Cross Section



134

Incident Energy (MeV)

69-Tm-170