

Program EVALPLOT
(Version 2018-1)

by

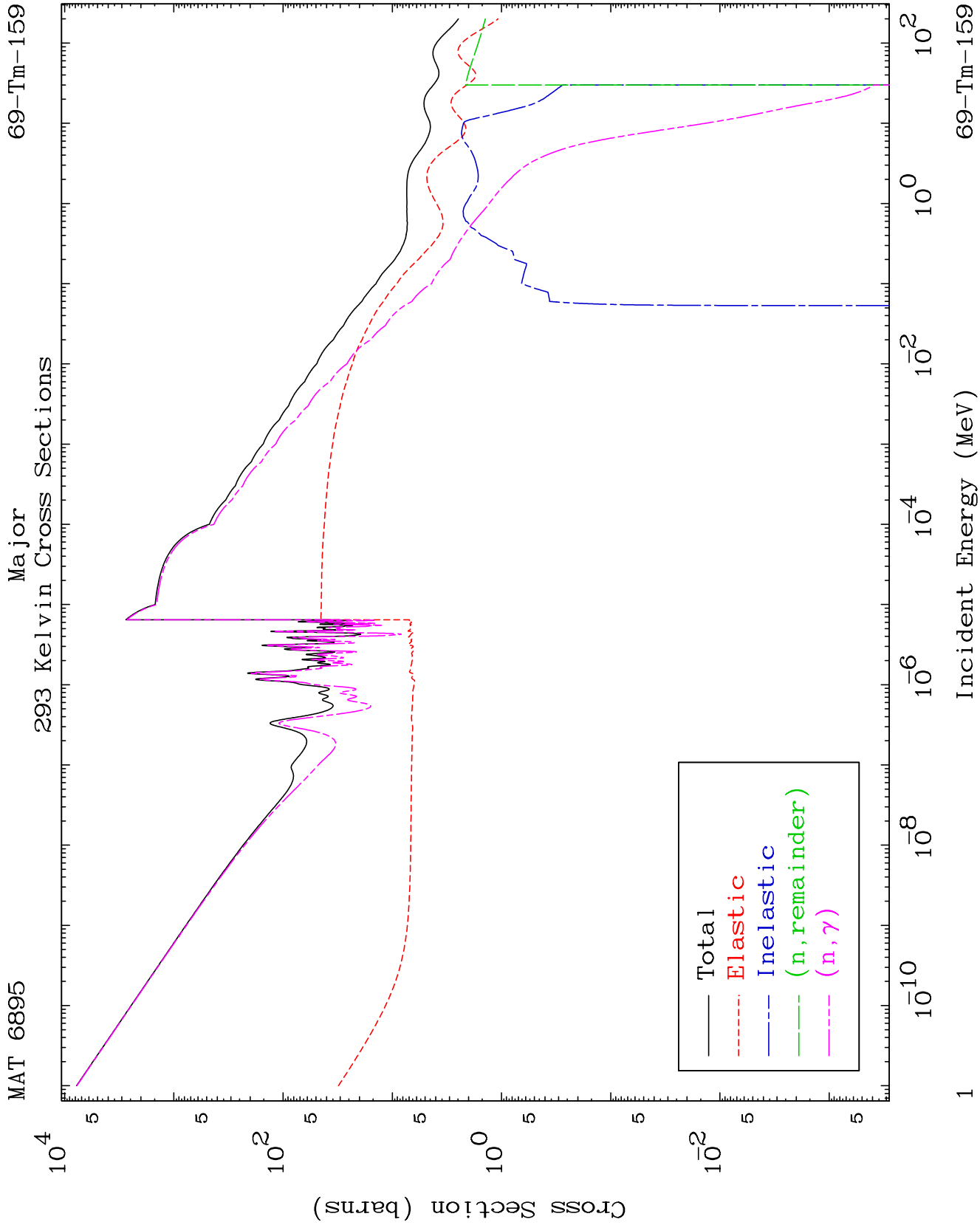
Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

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

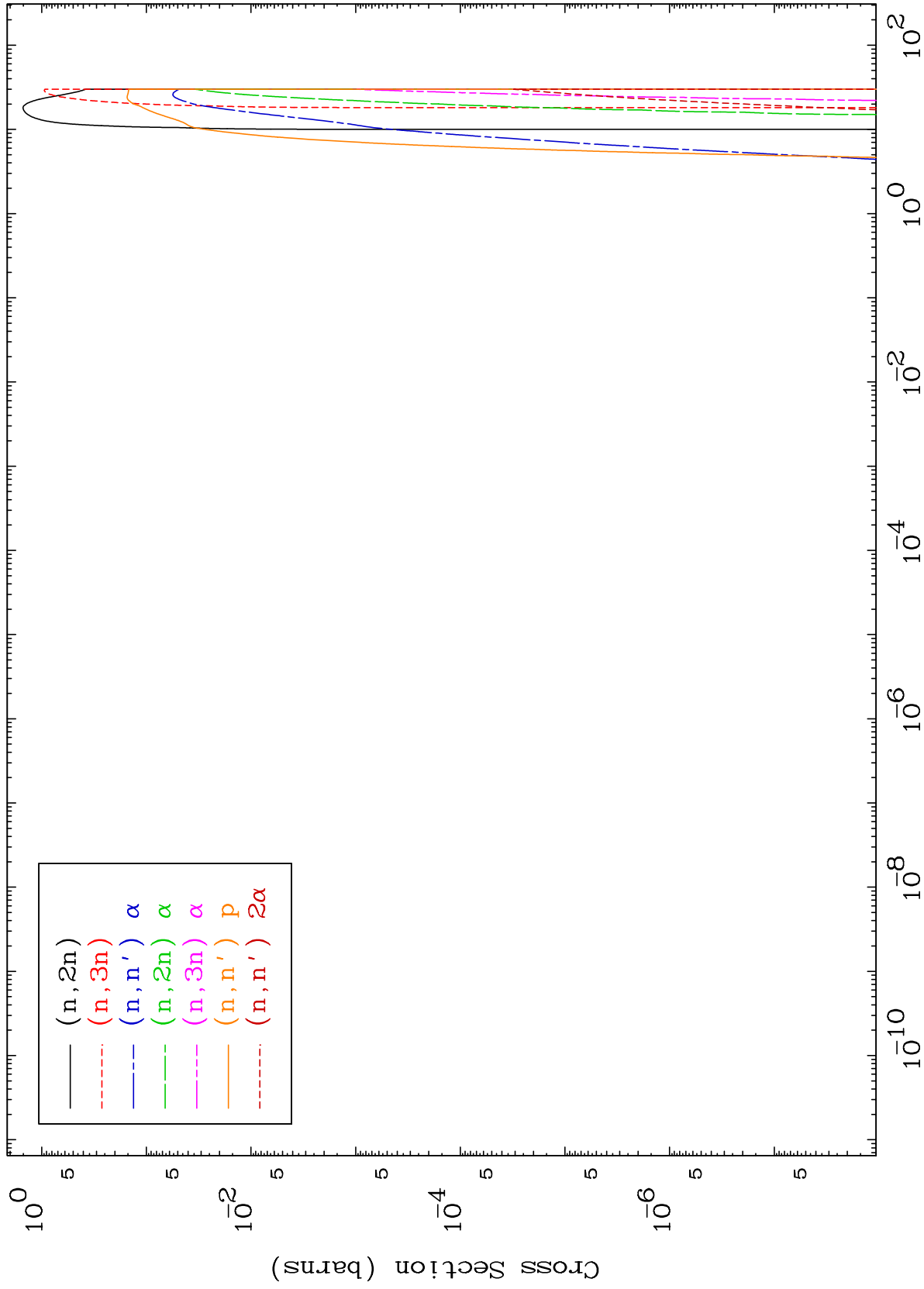
Press Mouse Button to Start



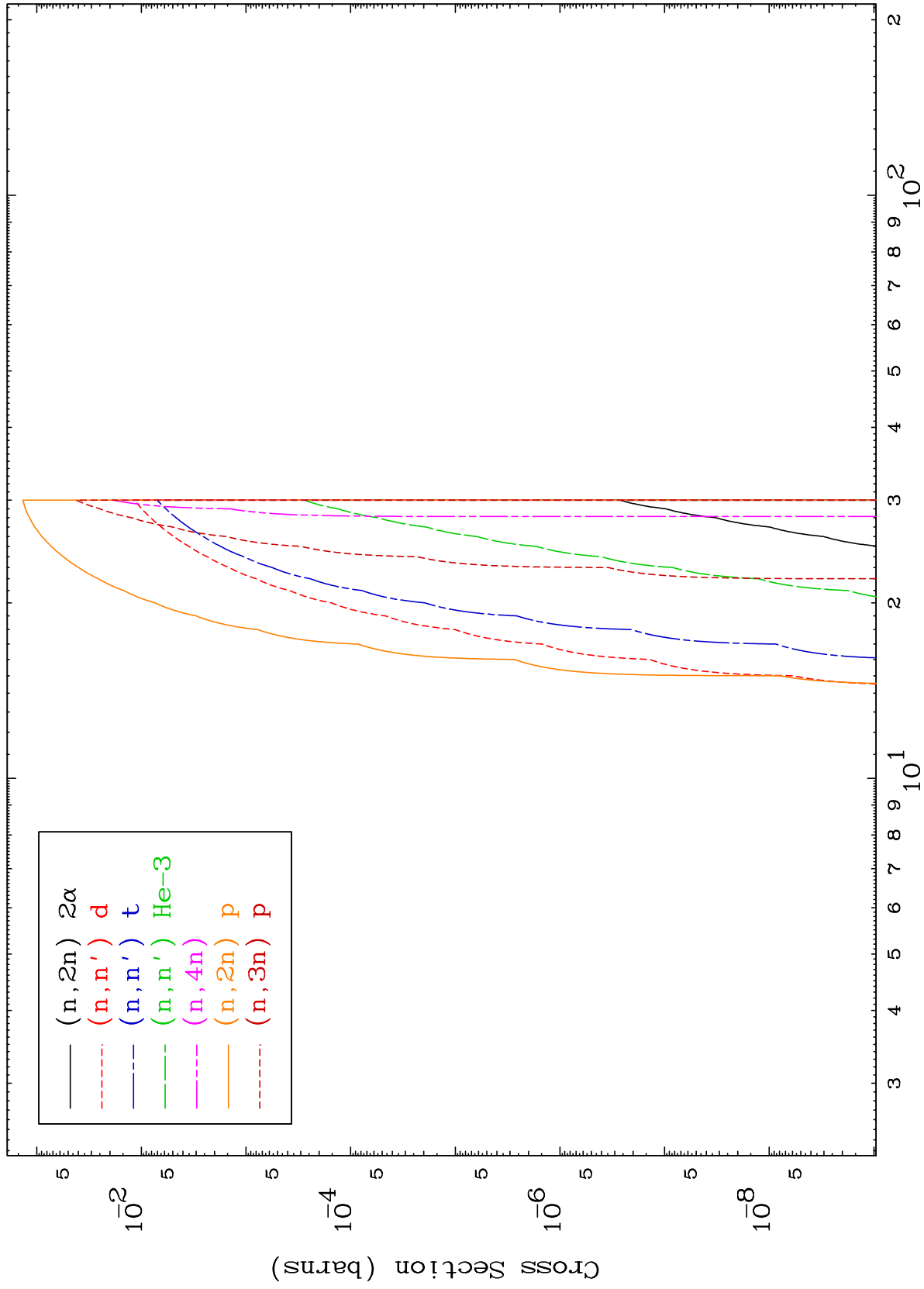
MAT 6895

Neutron Production
293 Kelvin Cross Sections

69-Tm-159



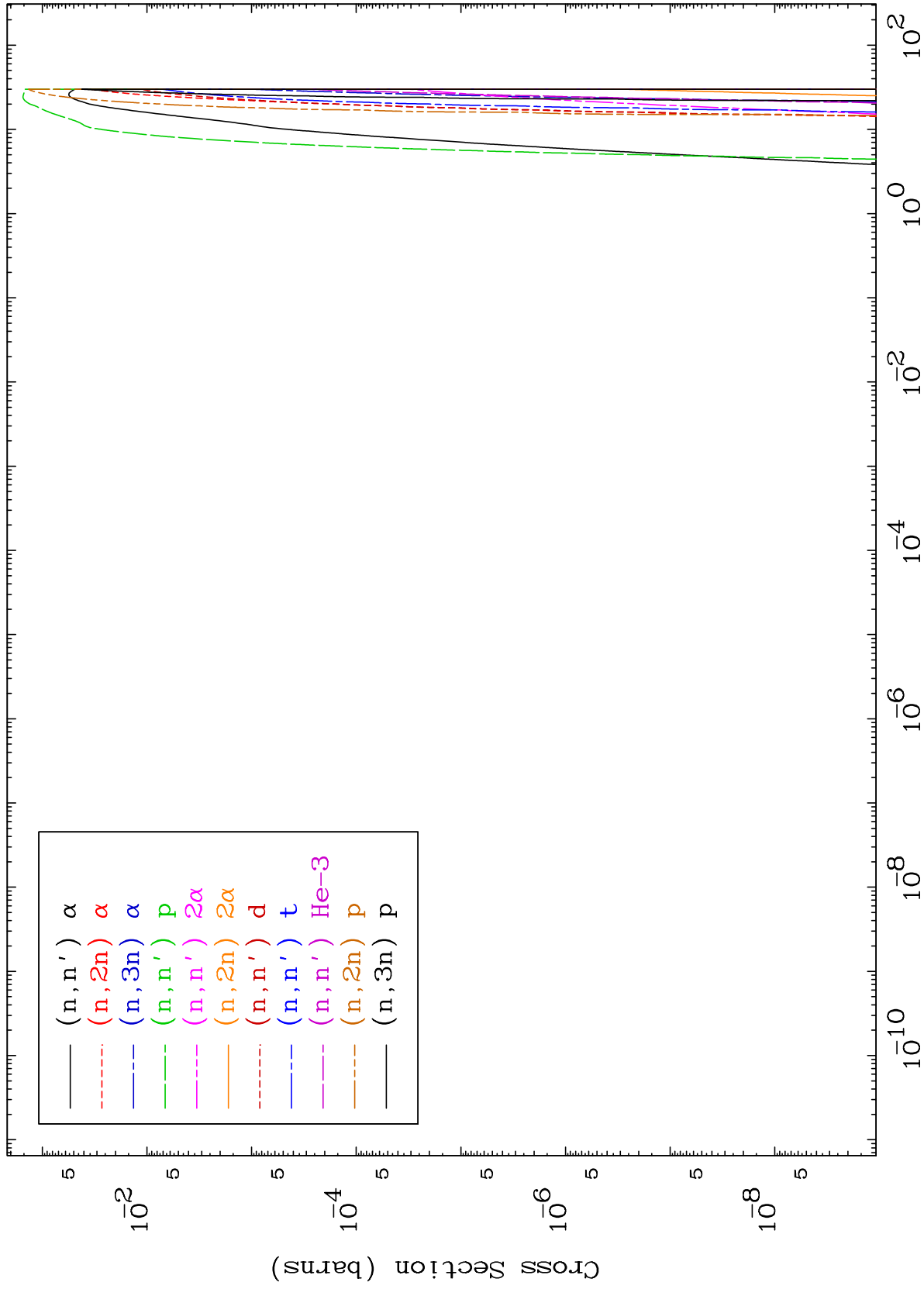
69-Tm-159



MAT 6895

Charged Particle
293 Kelvin Cross Sections

69-Tm-159



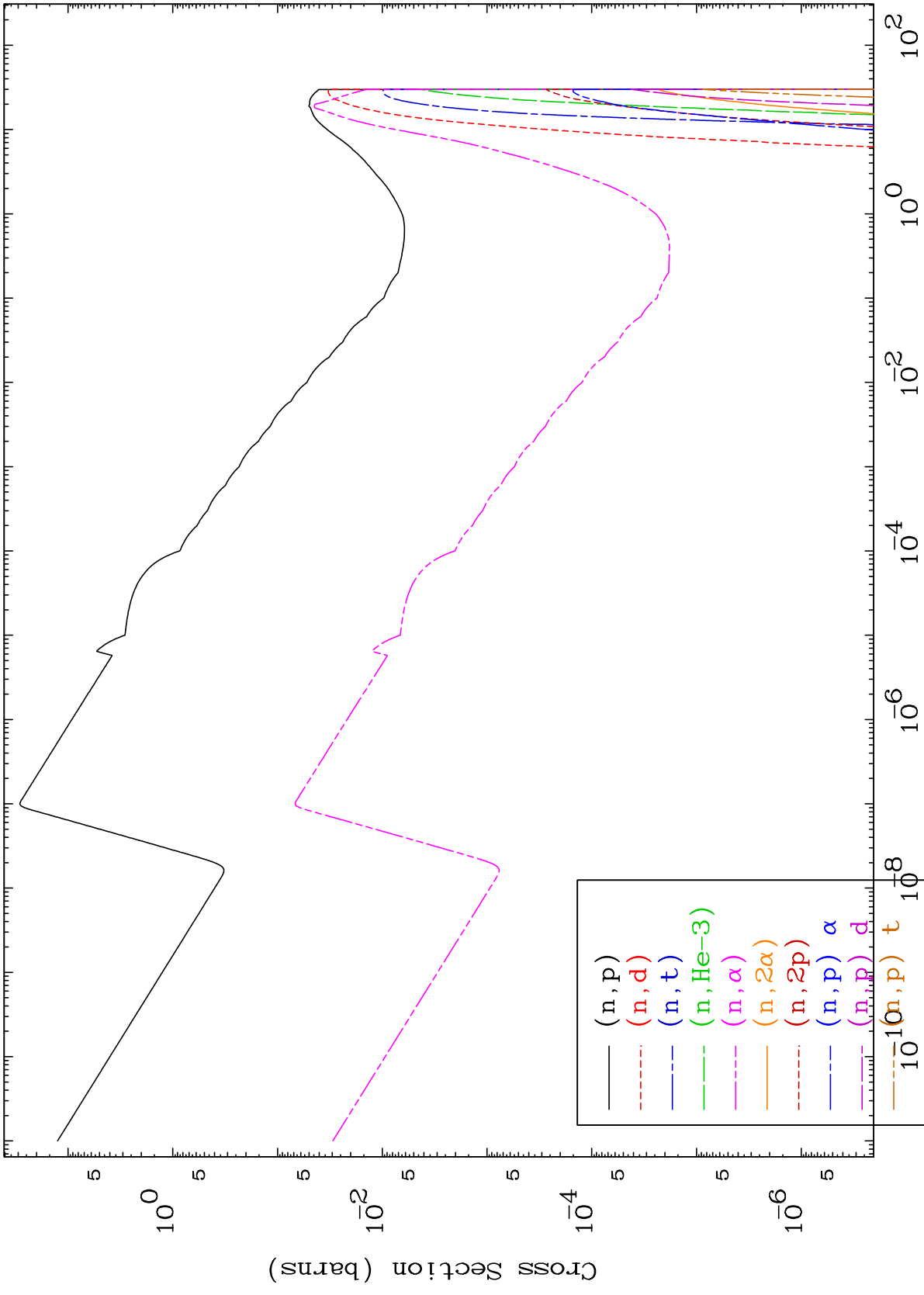
69-Tm-159

Incident Energy (MeV)

MAT 6895

Charged Particle
293 Kelvin Cross Sections

69-Tm-159



5

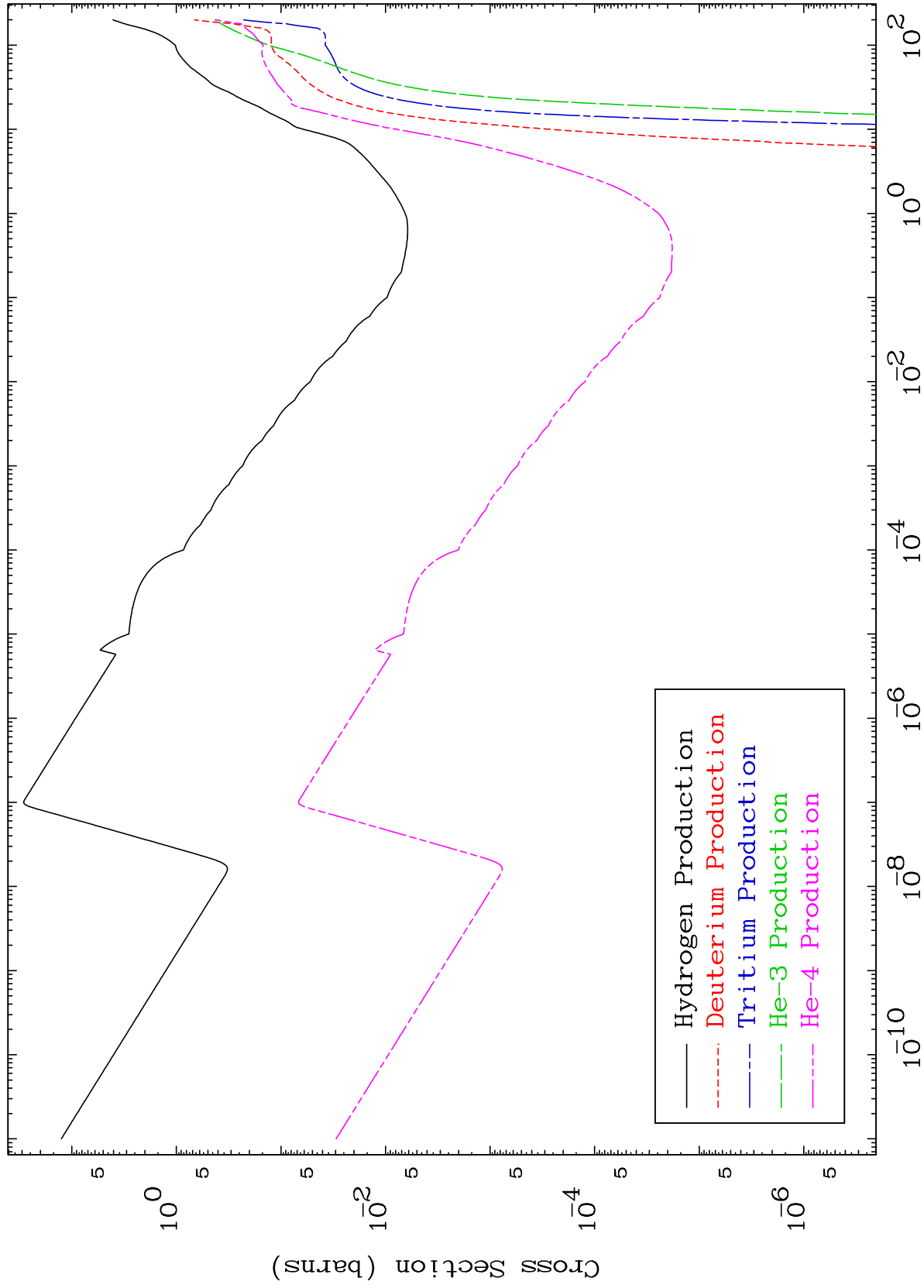
Incident Energy (MeV)

69-Tm-159

MAT 6895

Particle Production
293 Kelvin Cross Sections

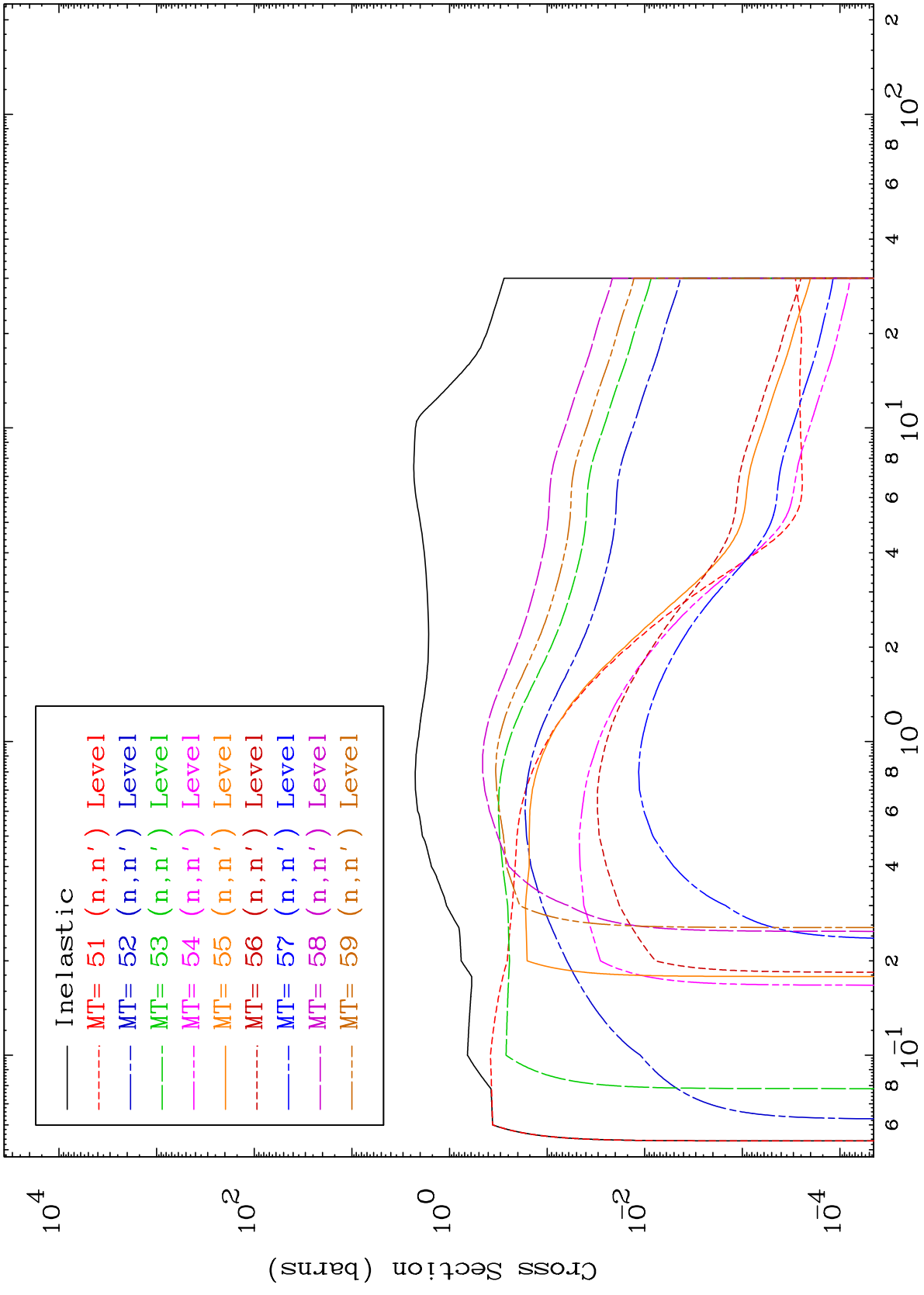
69-Tm-159



MAT 6895

(n,n') Level
293 Kelvin Cross Sections

69-Tm-159

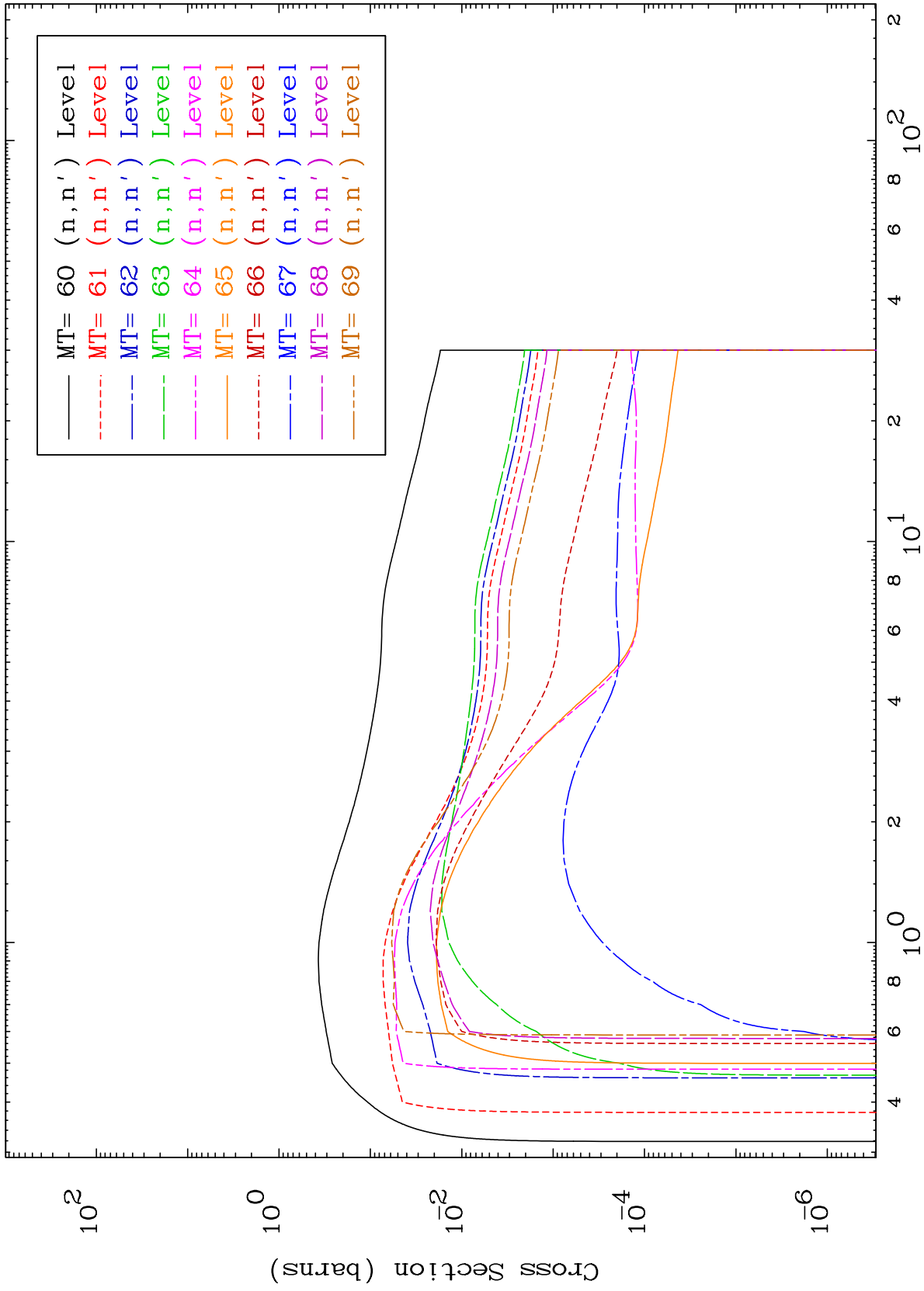


MAT 6895

(n,n') Level

293 Kelvin Cross Sections

69-Tm-159



8

Incident Energy (MeV)

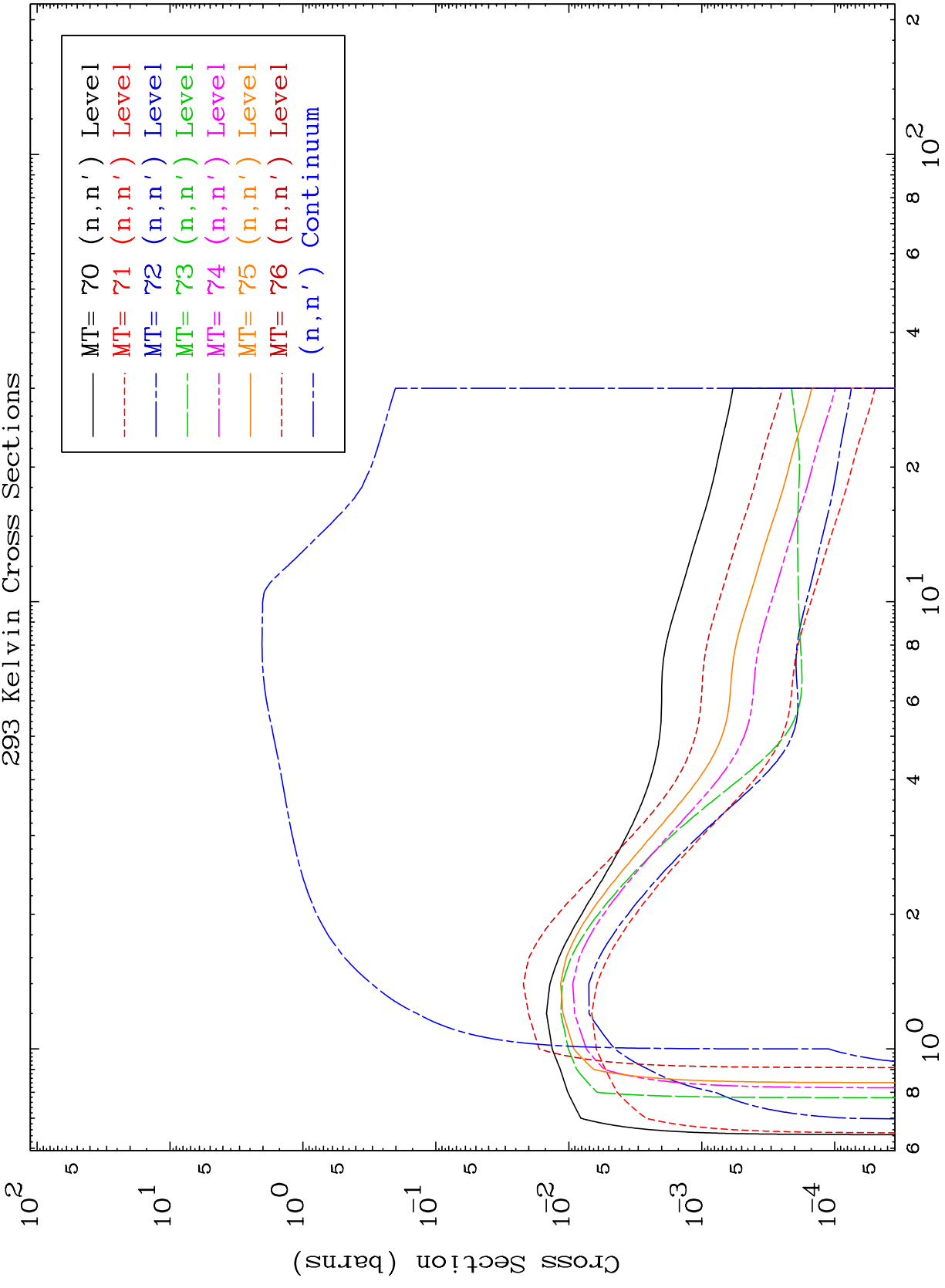
69-Tm-159

MAT 6895

(n,n') Level

69-Tm-159

293 Kelvin Cross Sections



9

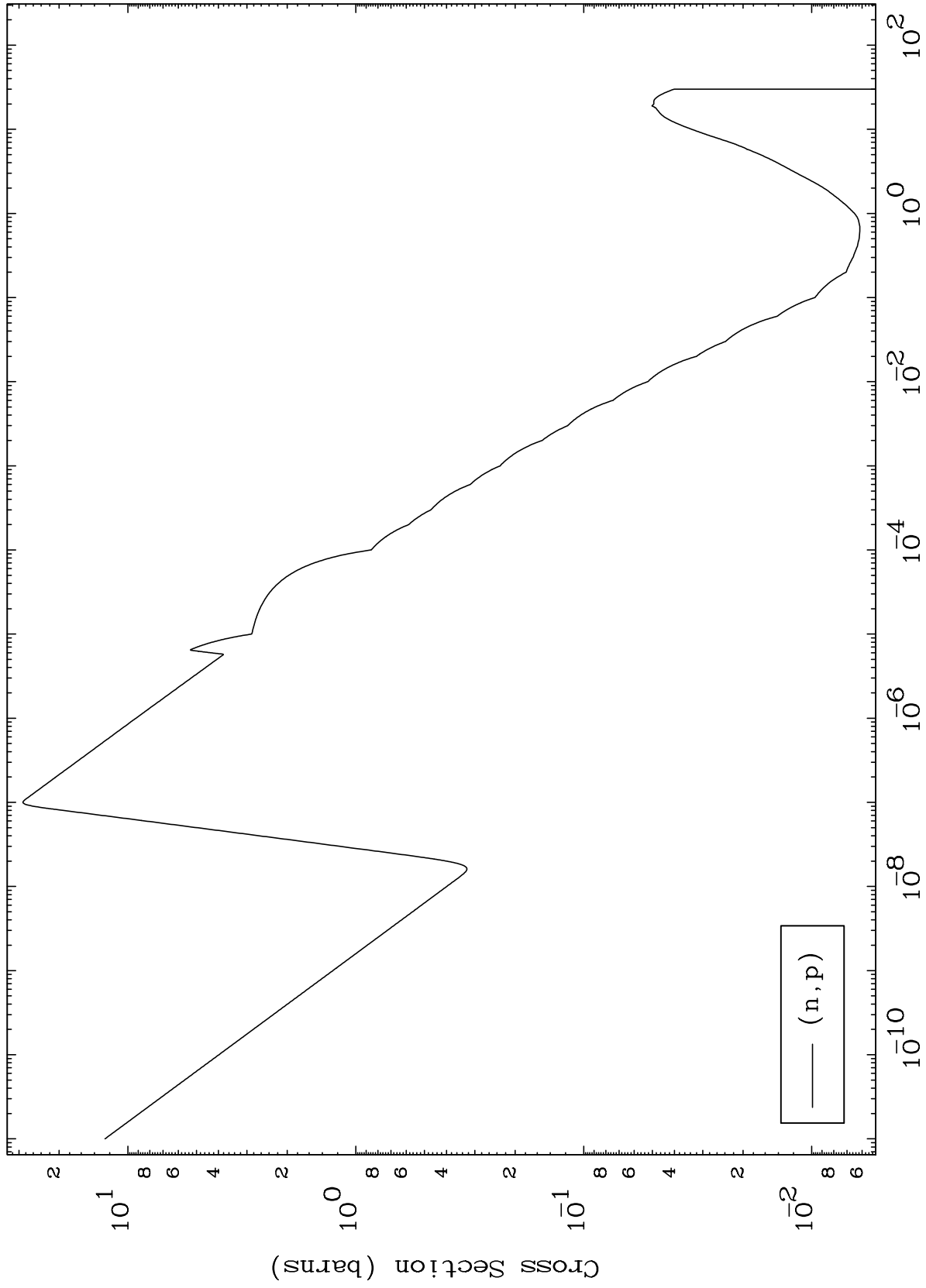
Incident Energy (MeV)

69-Tm-159

MAT 6895

(n,p) Levels
293 Kelvin Cross Sections

69-Tm-159



10

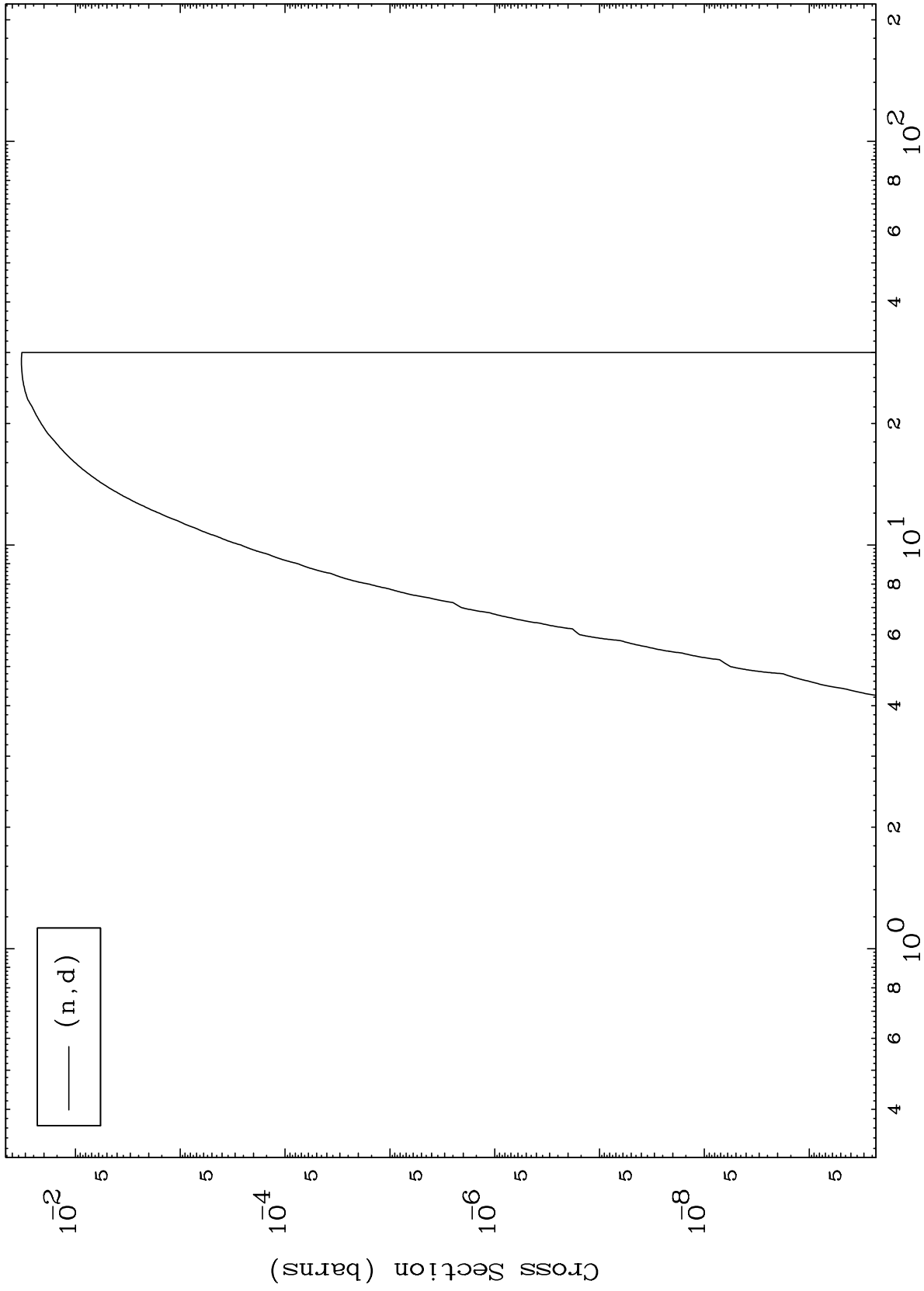
Incident Energy (MeV)

69-Tm-159

MAT 6895

(n,d) Levels
293 Kelvin Cross Sections

69-Tm-159



11

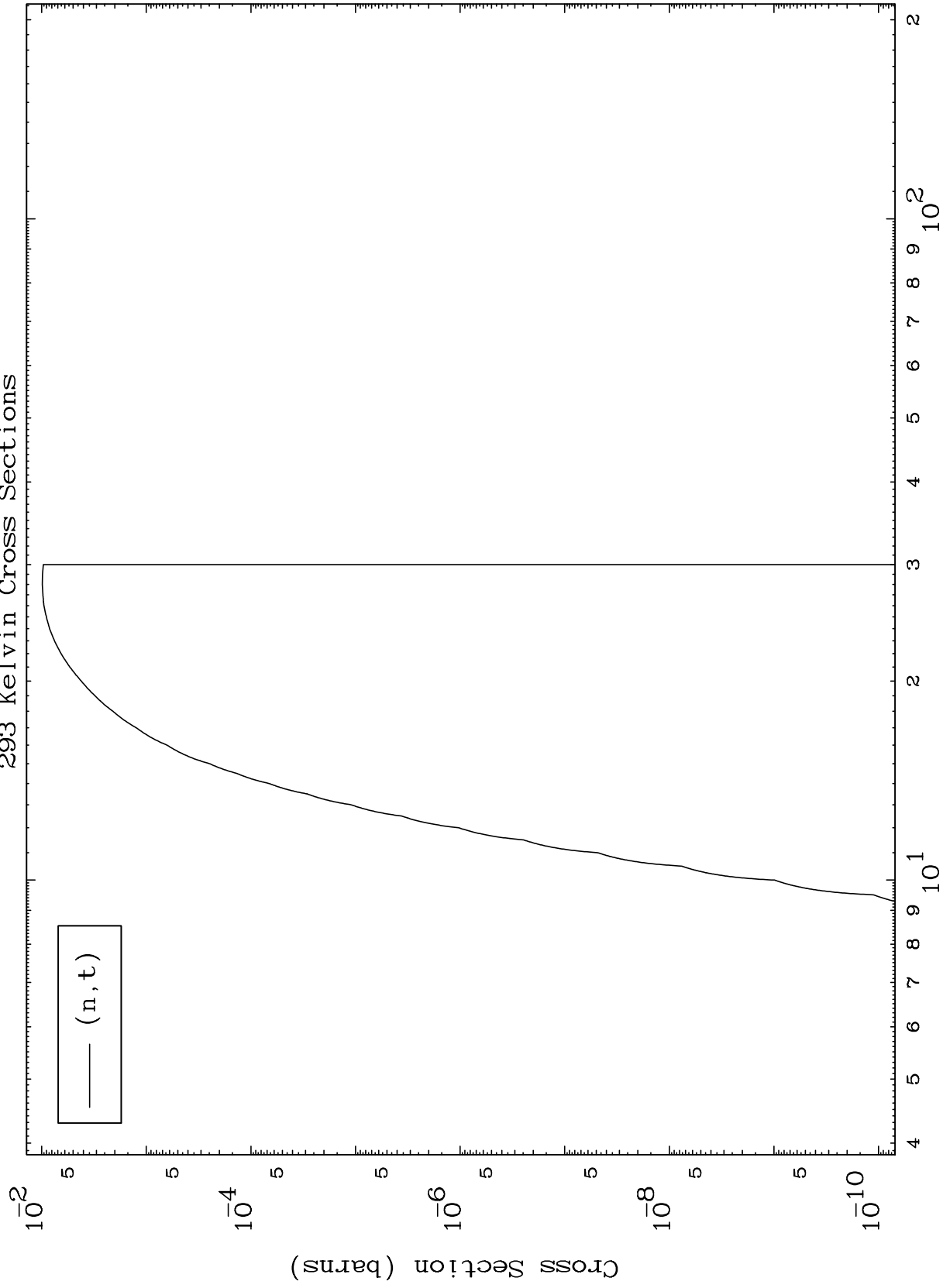
Incident Energy (MeV)

69-Tm-159

MAT 6895

(n,t) Levels
293 Kelvin Cross Sections

69-Tm-159



12

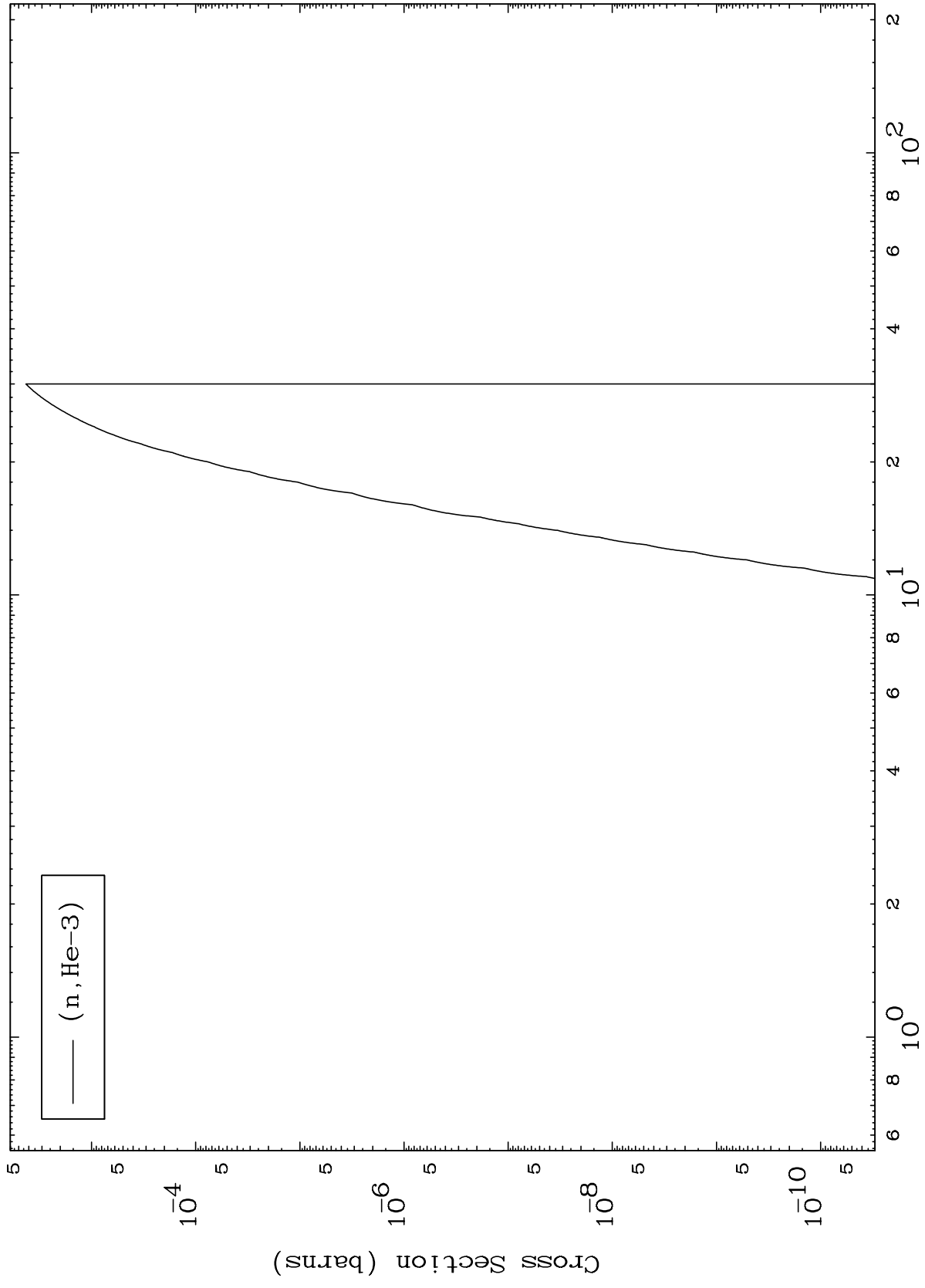
Incident Energy (MeV)

69-Tm-159

MAT 6895

(n,He3) Levels
293 Kelvin Cross Sections

69-Tm-159



13

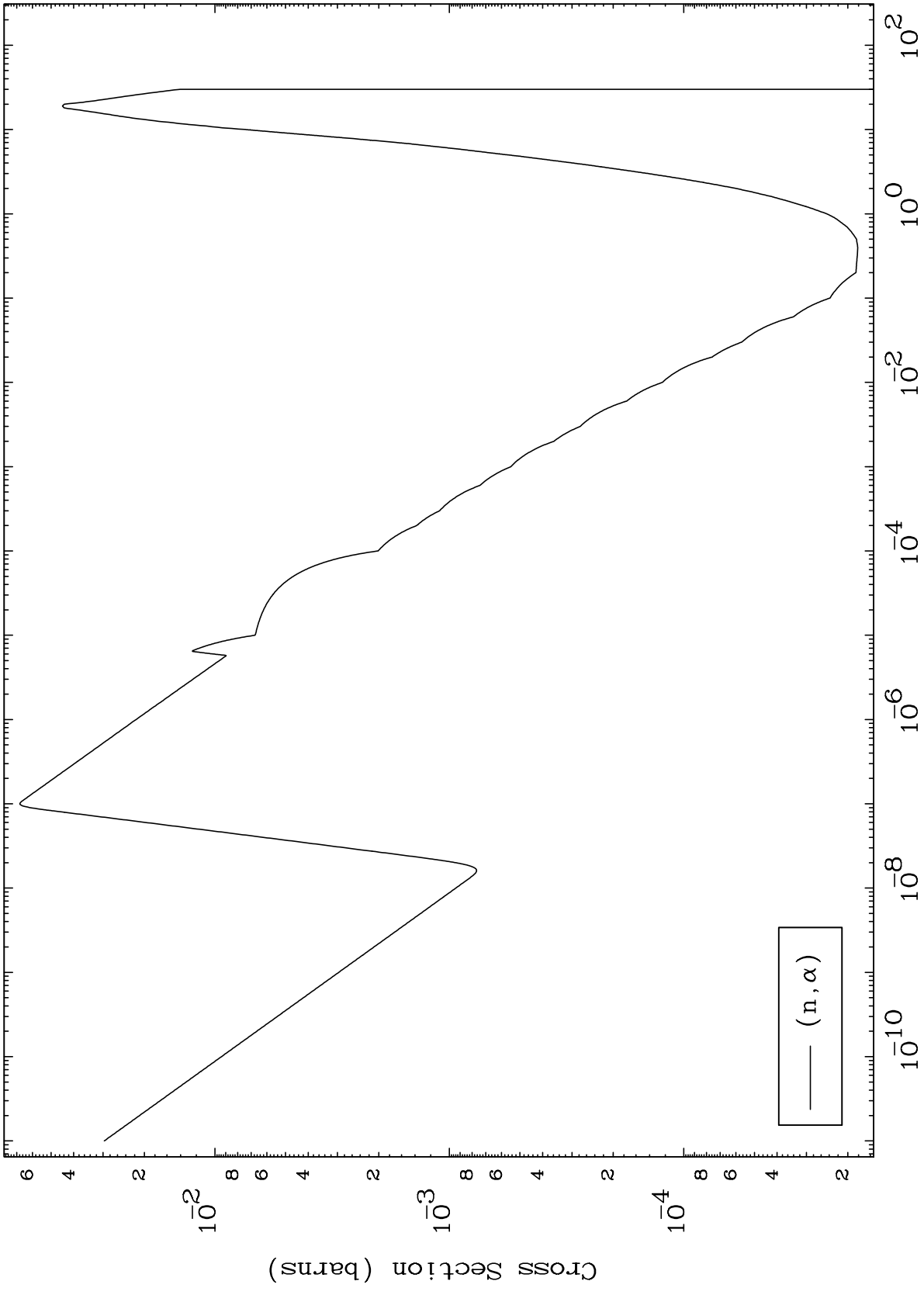
Incident Energy (MeV)

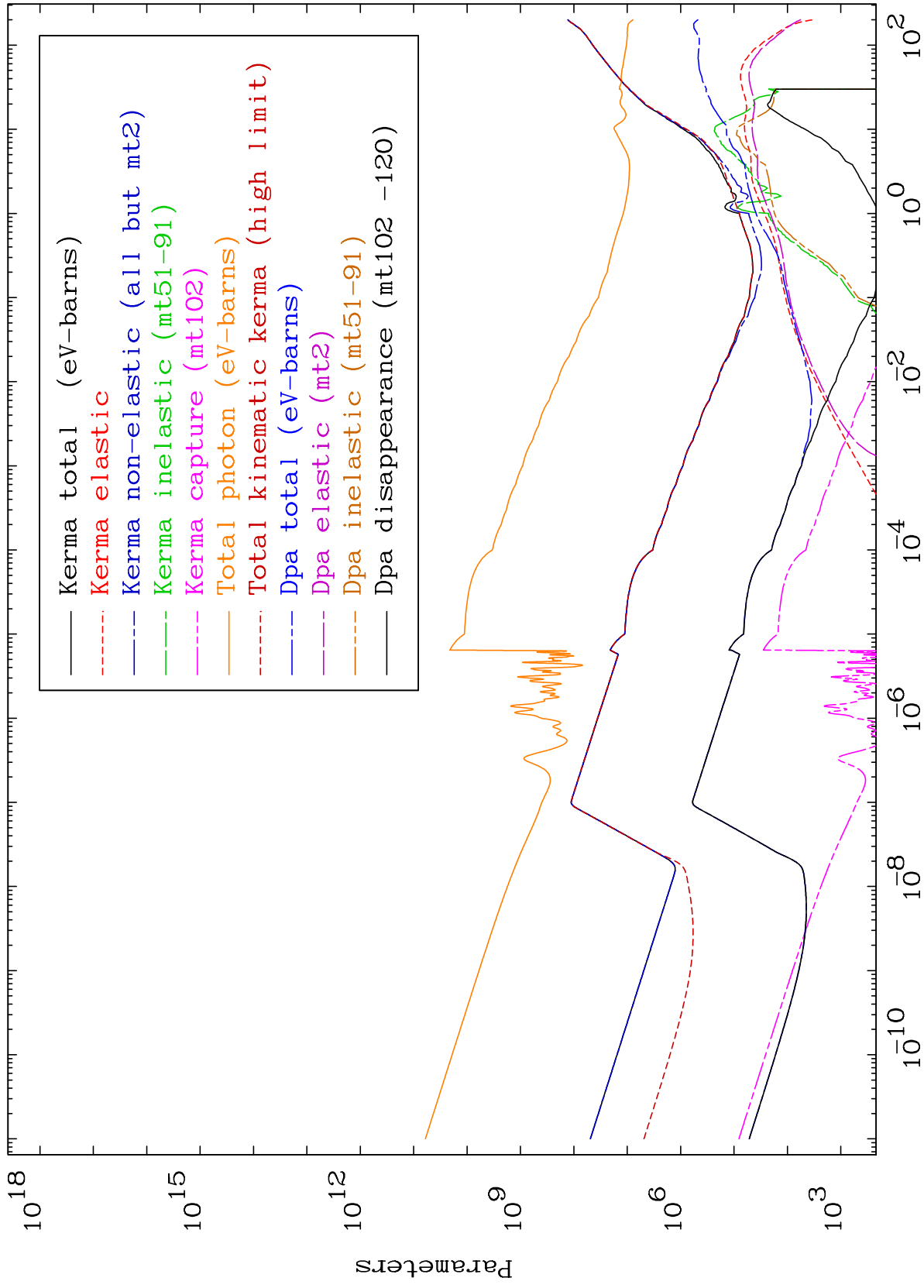
69-Tm-159

MAT 6895

(n,α) Levels
293 Kelvin Cross Sections

69-Tm-159

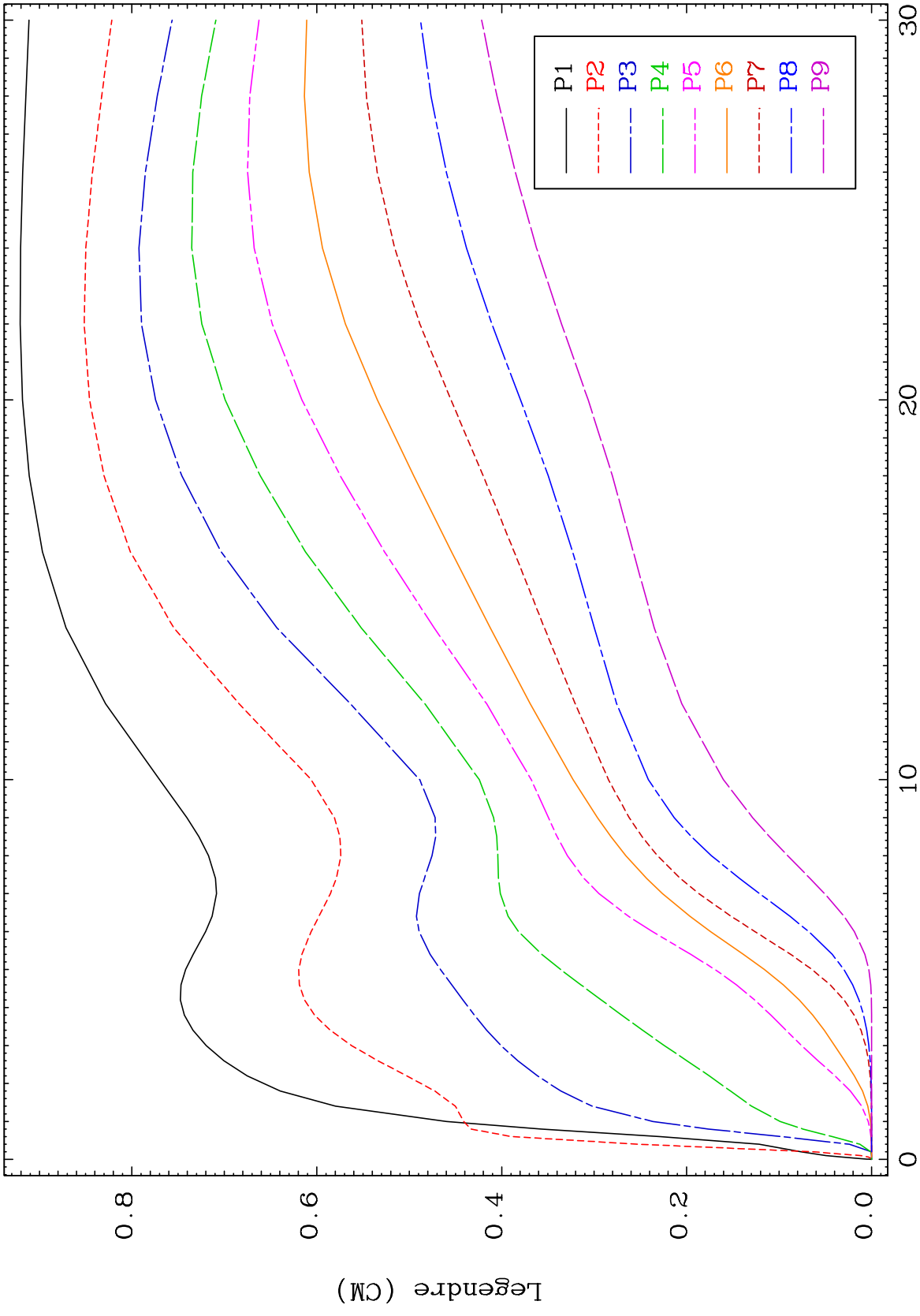




MAT 6895

Elastic Legendre Coefficients

69-Tm-159



16

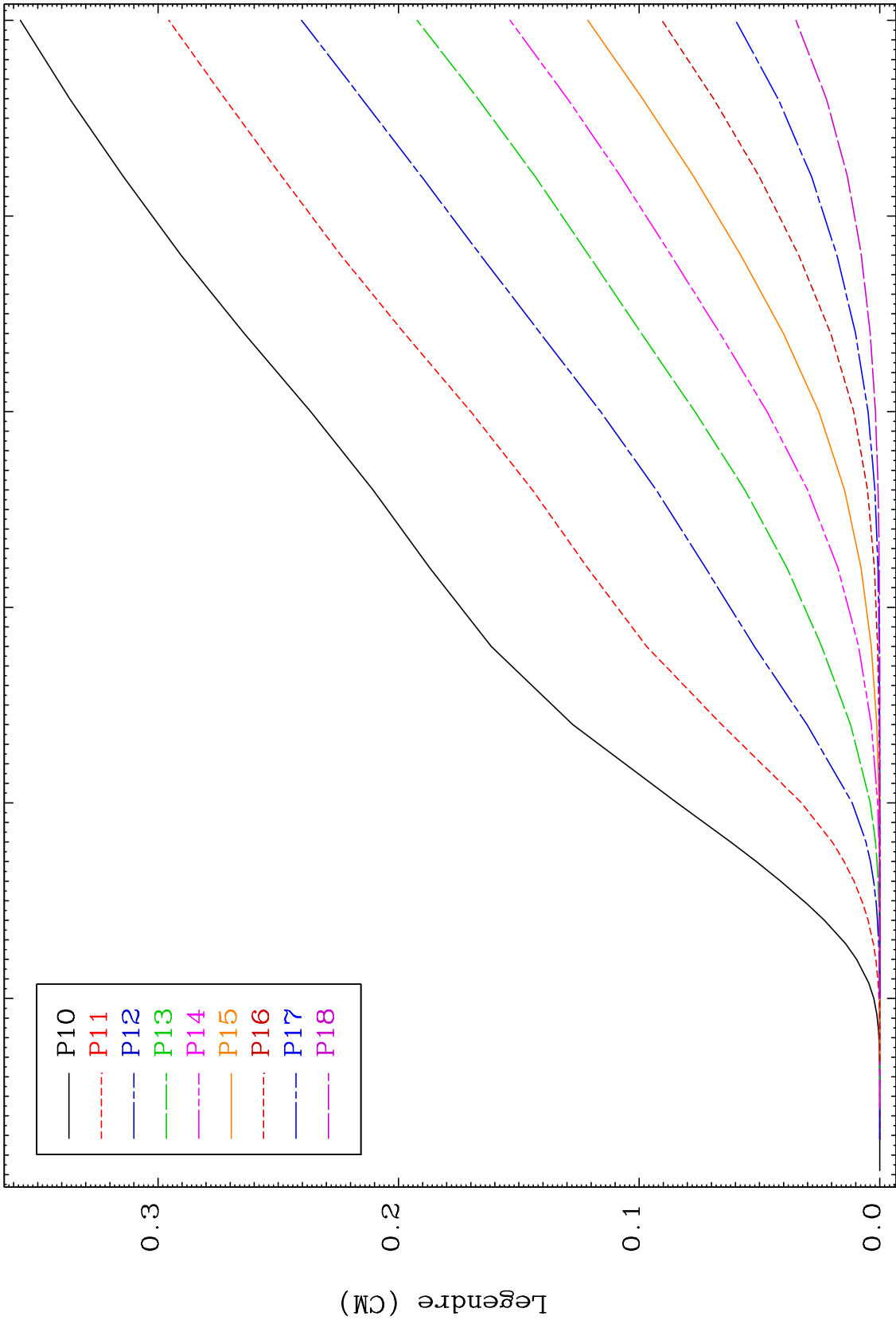
Incident Energy (MeV)

69-Tm-159

MAT 6895

Elastic Legendre Coefficients

69-Tm-159



17

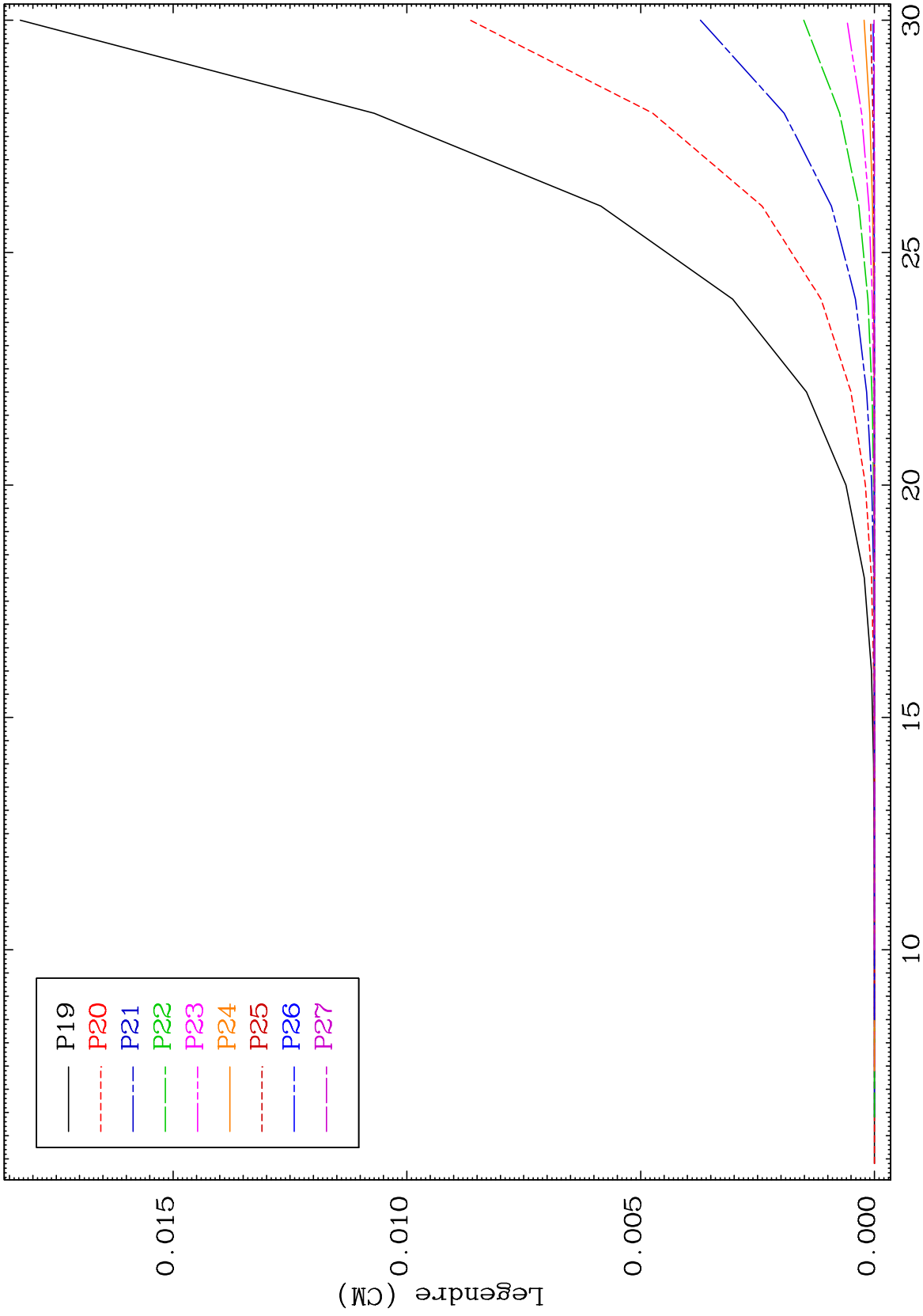
Incident Energy (MeV)

69-Tm-159

MAT 6895

Elastic Legendre Coefficients

69-Tm-159



18

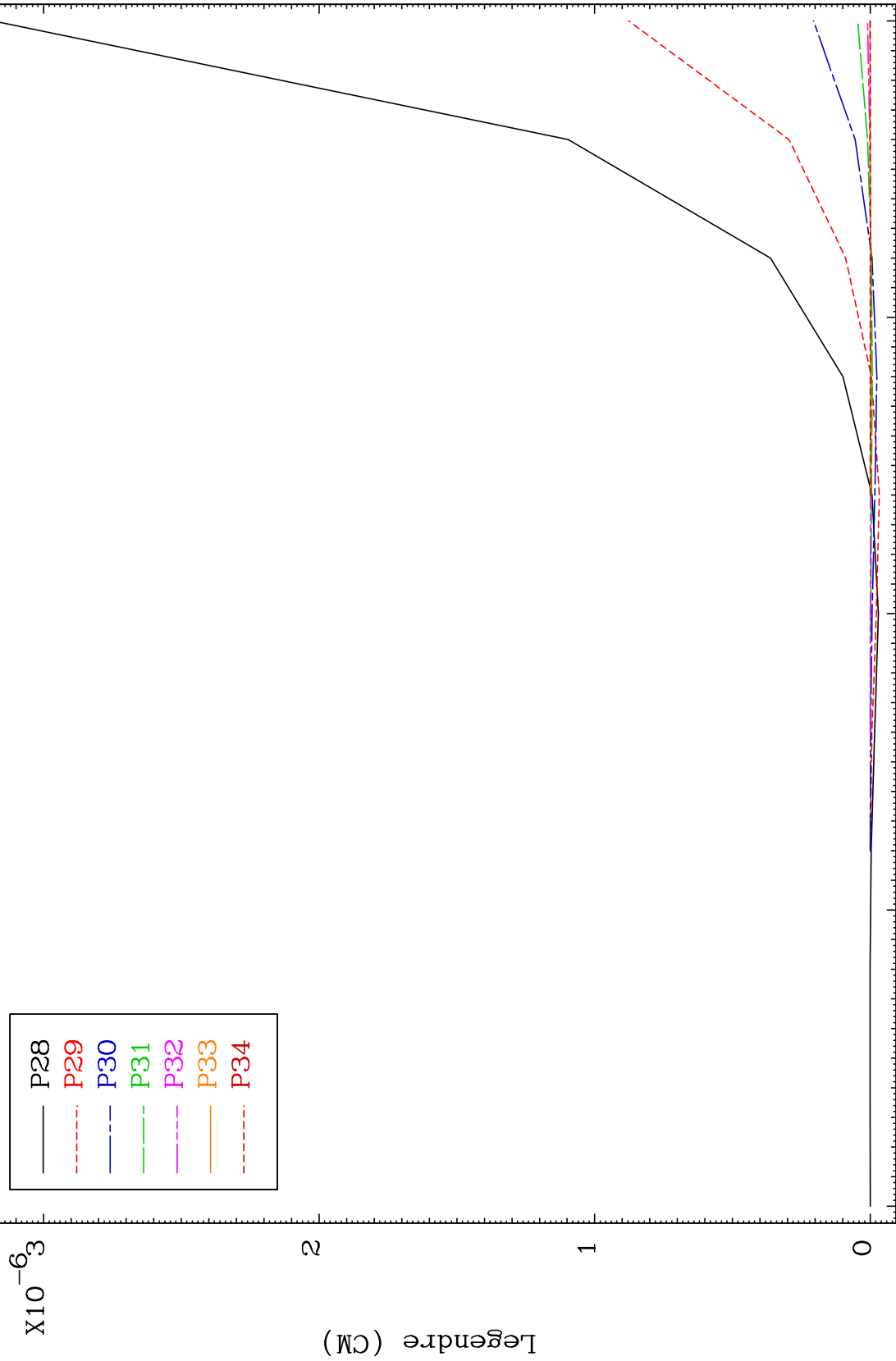
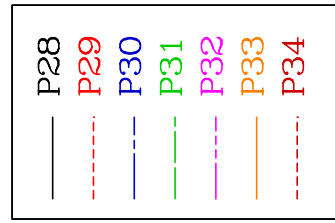
Incident Energy (MeV)

69-Tm-159

MAT 6895

Elastic Legendre Coefficients

69-Tm-159



19

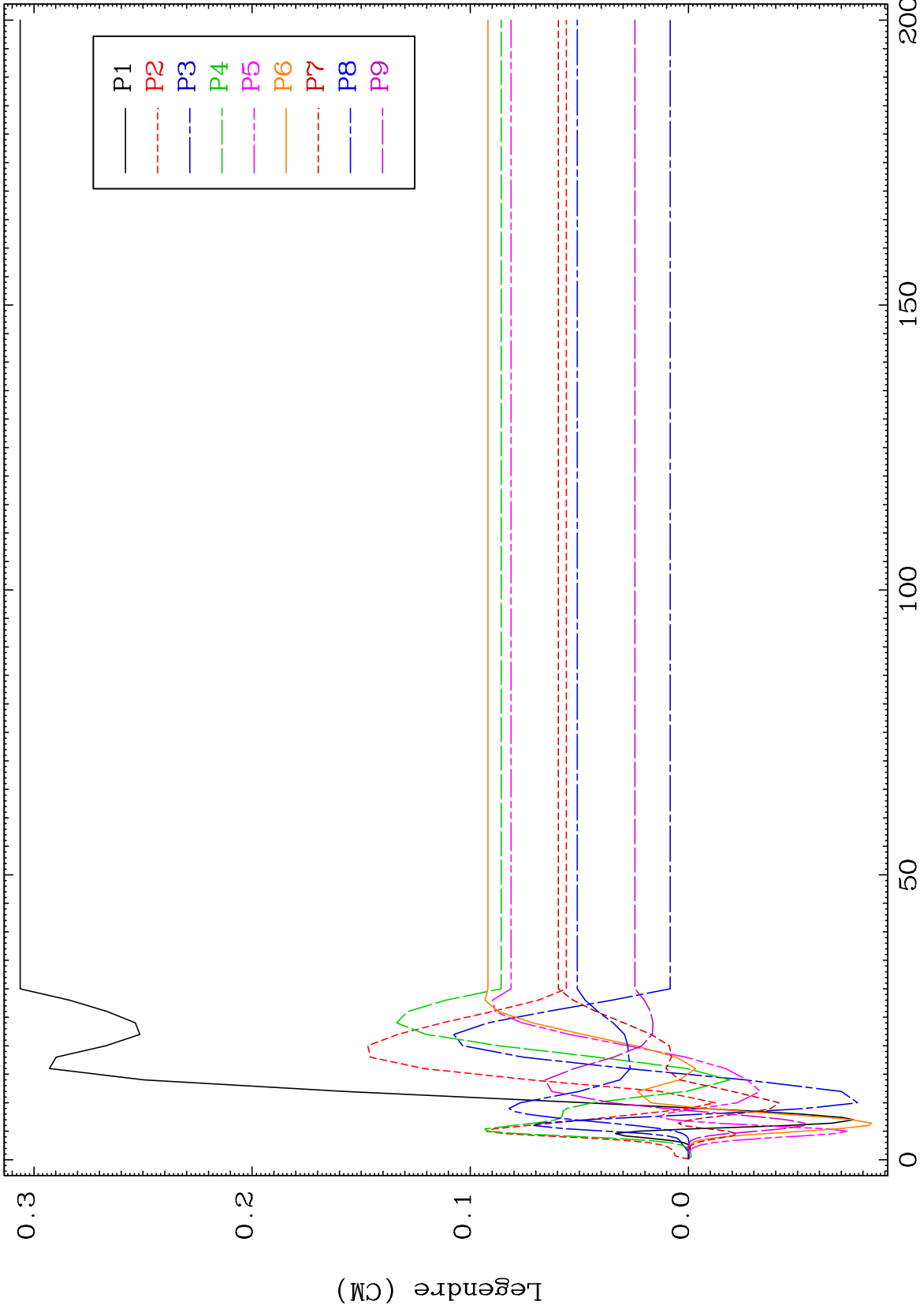
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



69-Tm-159

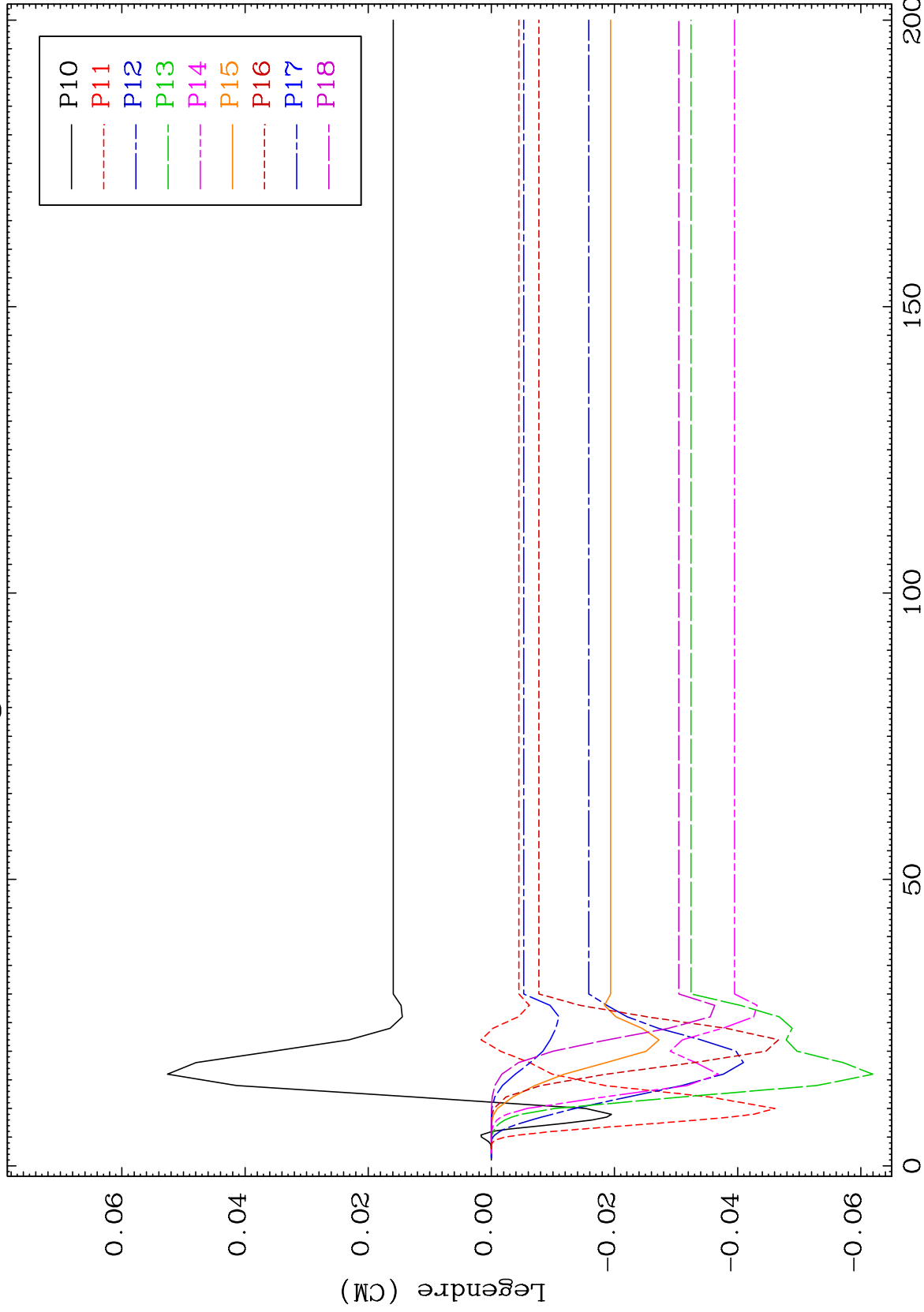
Incident Energy (MeV)

Legendre (CM)

MAT 6895

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

69-Tm-159



21

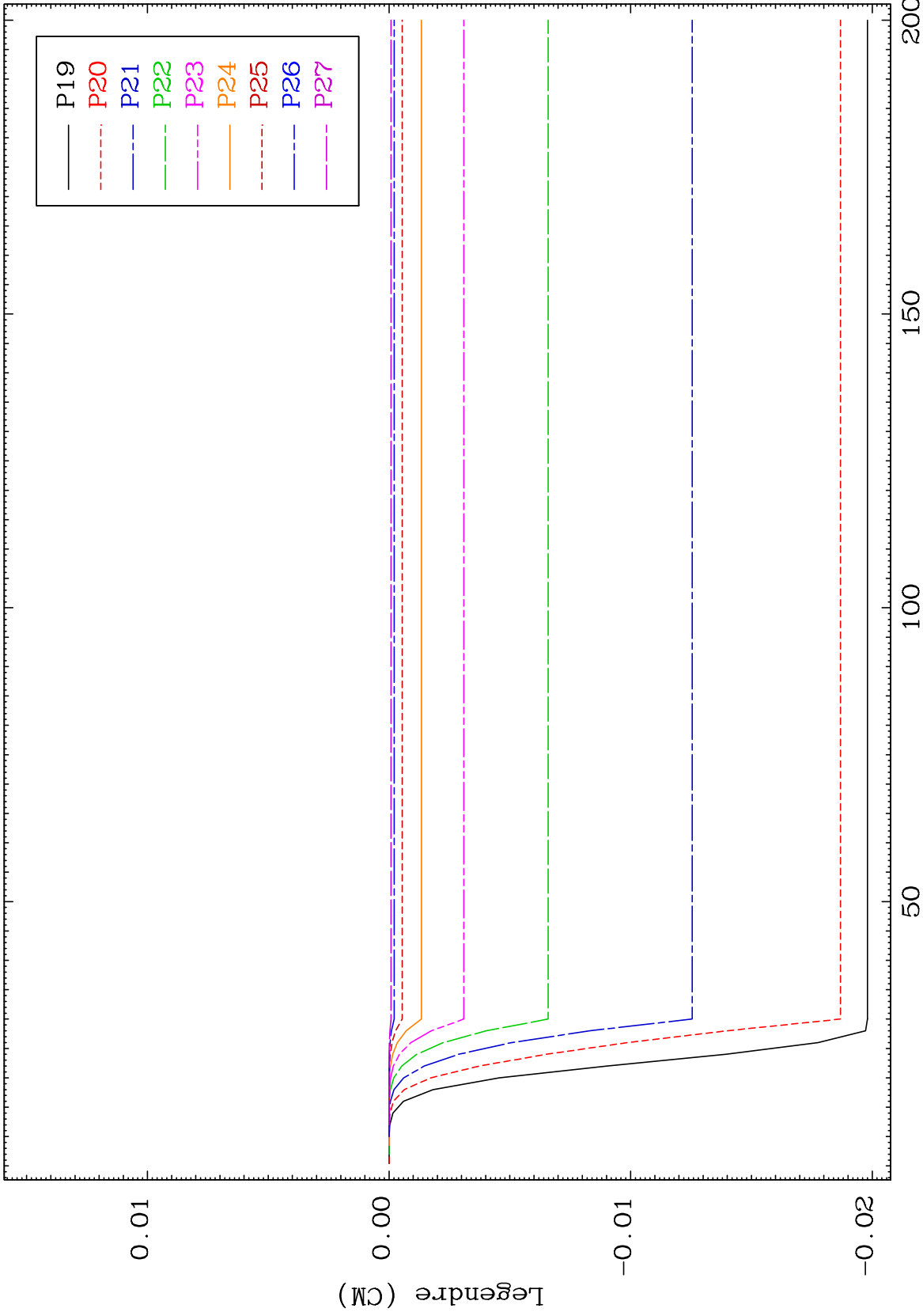
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



22

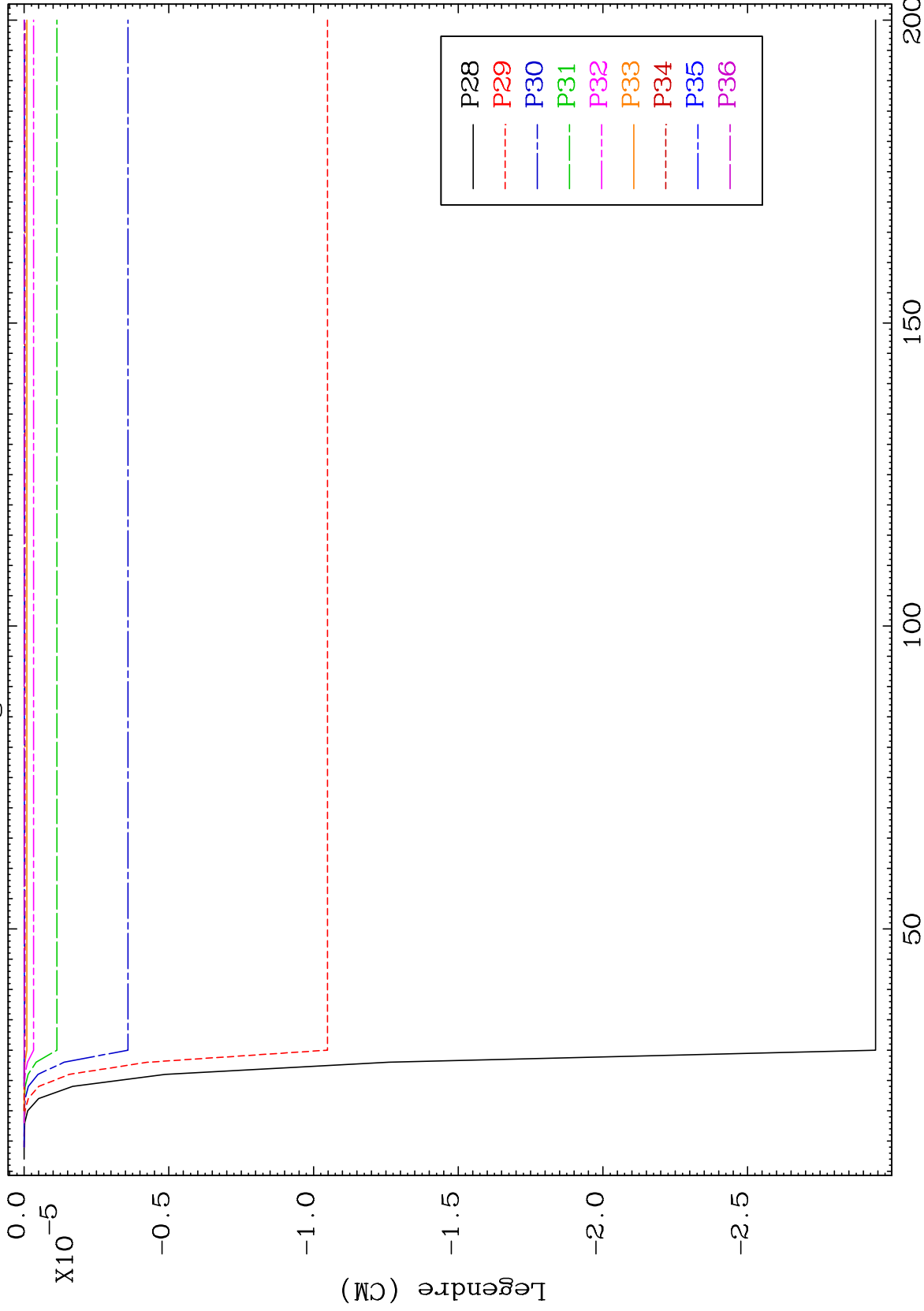
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159

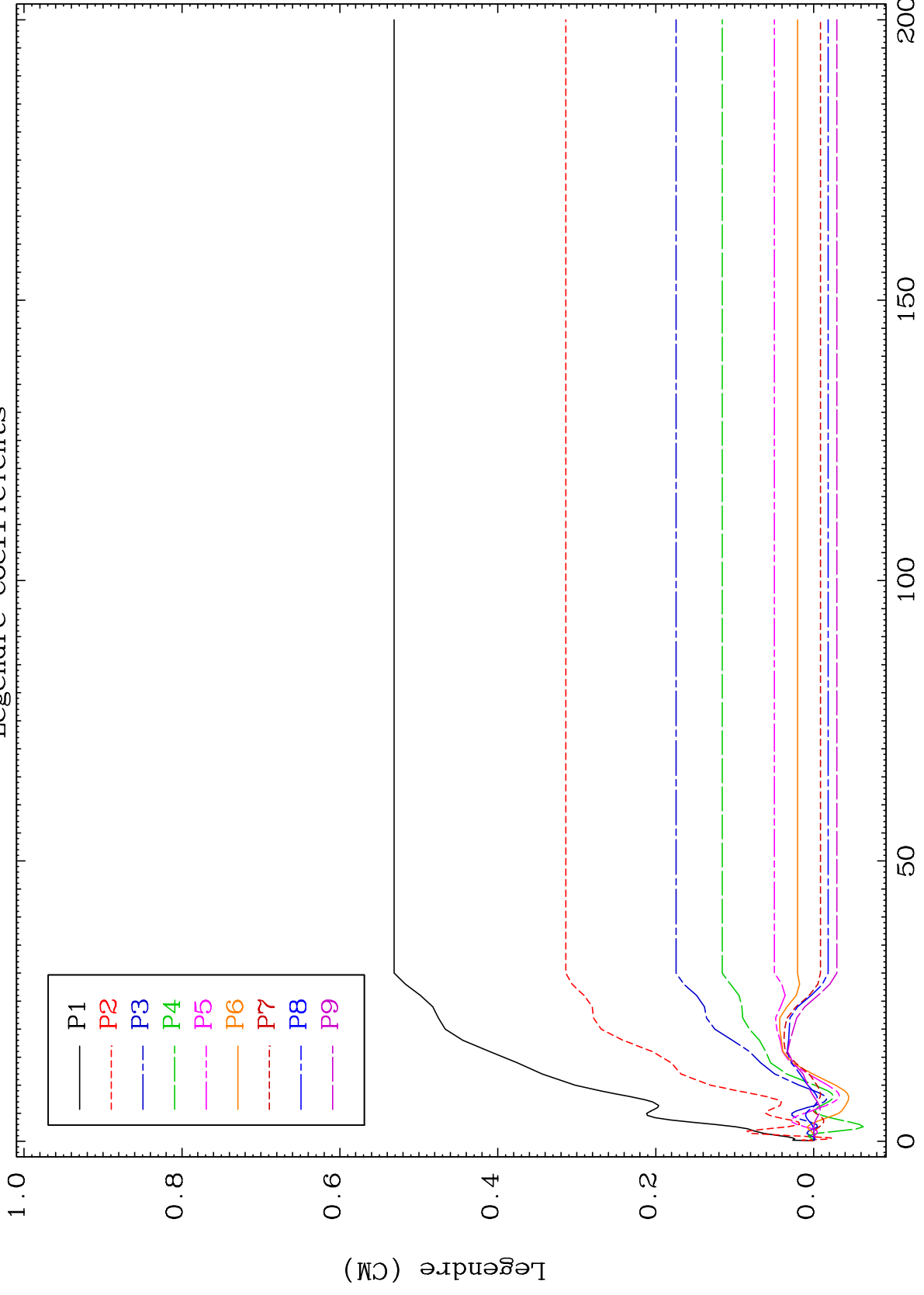


69-Tm-159

Incident Energy (MeV)

23

MAT 6895 MT= 52 (n,n') Level Legendre Coefficients 69-Tm-159

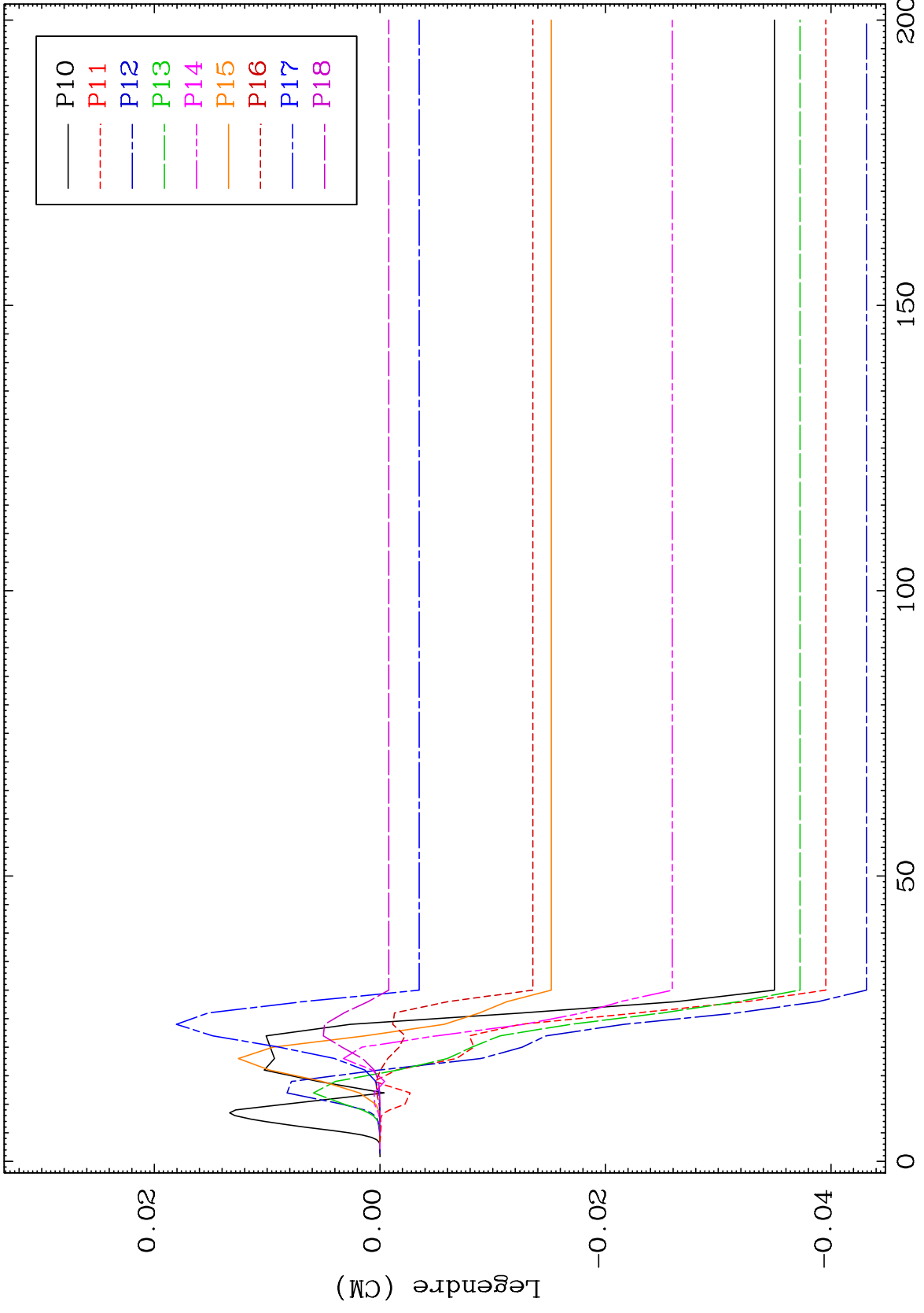


24 Incident Energy (MeV) 69-Tm-159

MAT 6895

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

69-Tm-159



25

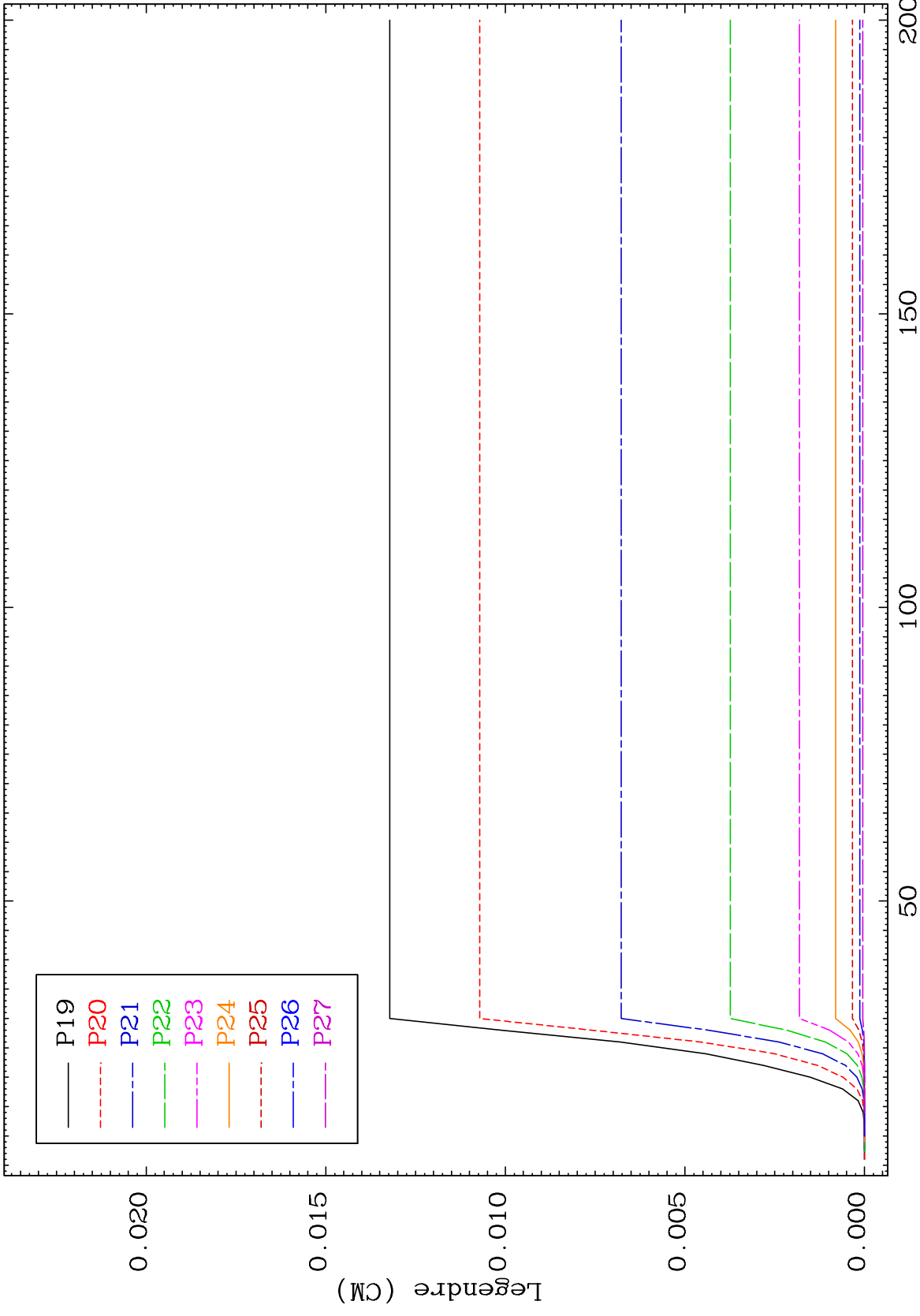
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



26

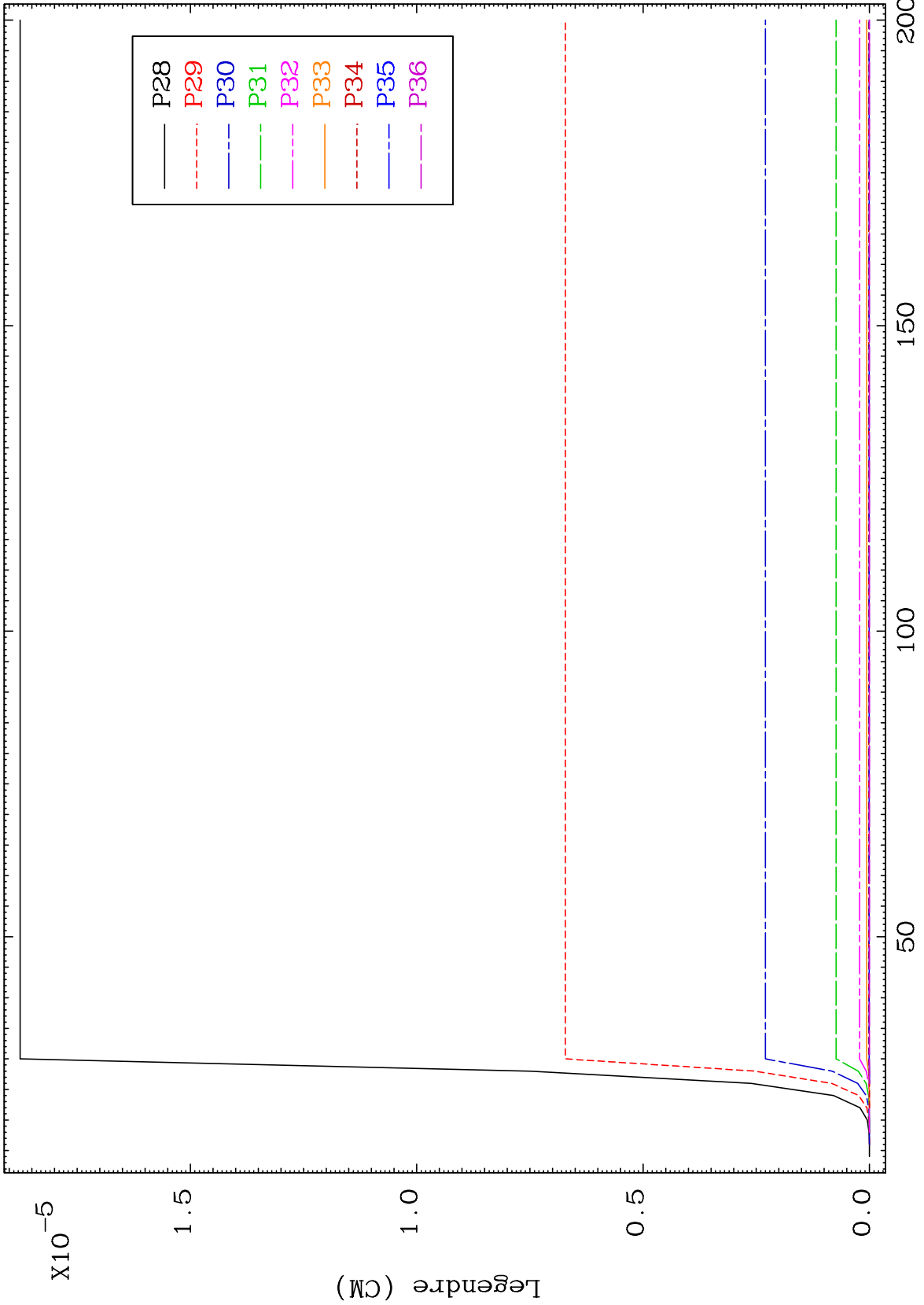
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



27

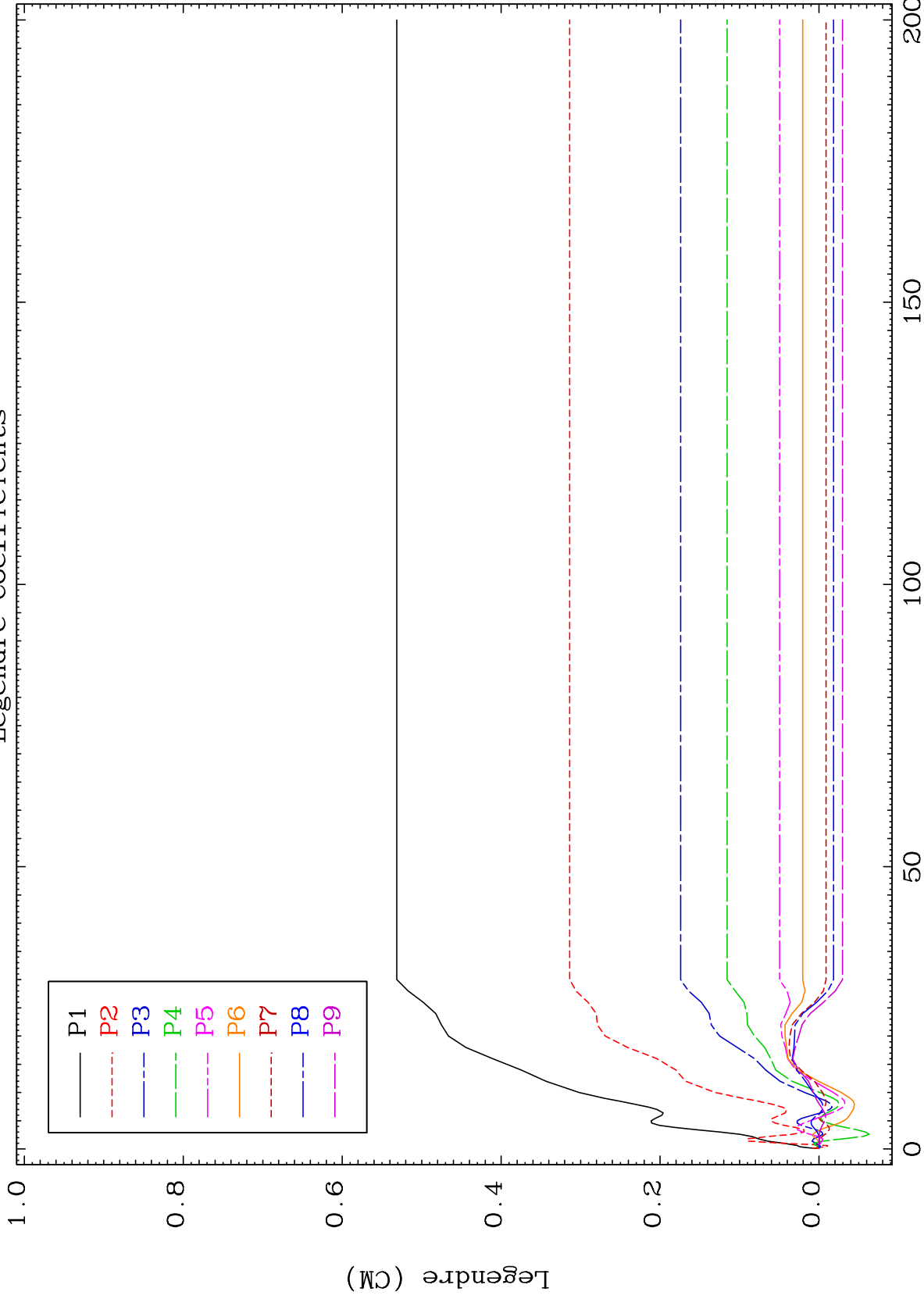
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



28

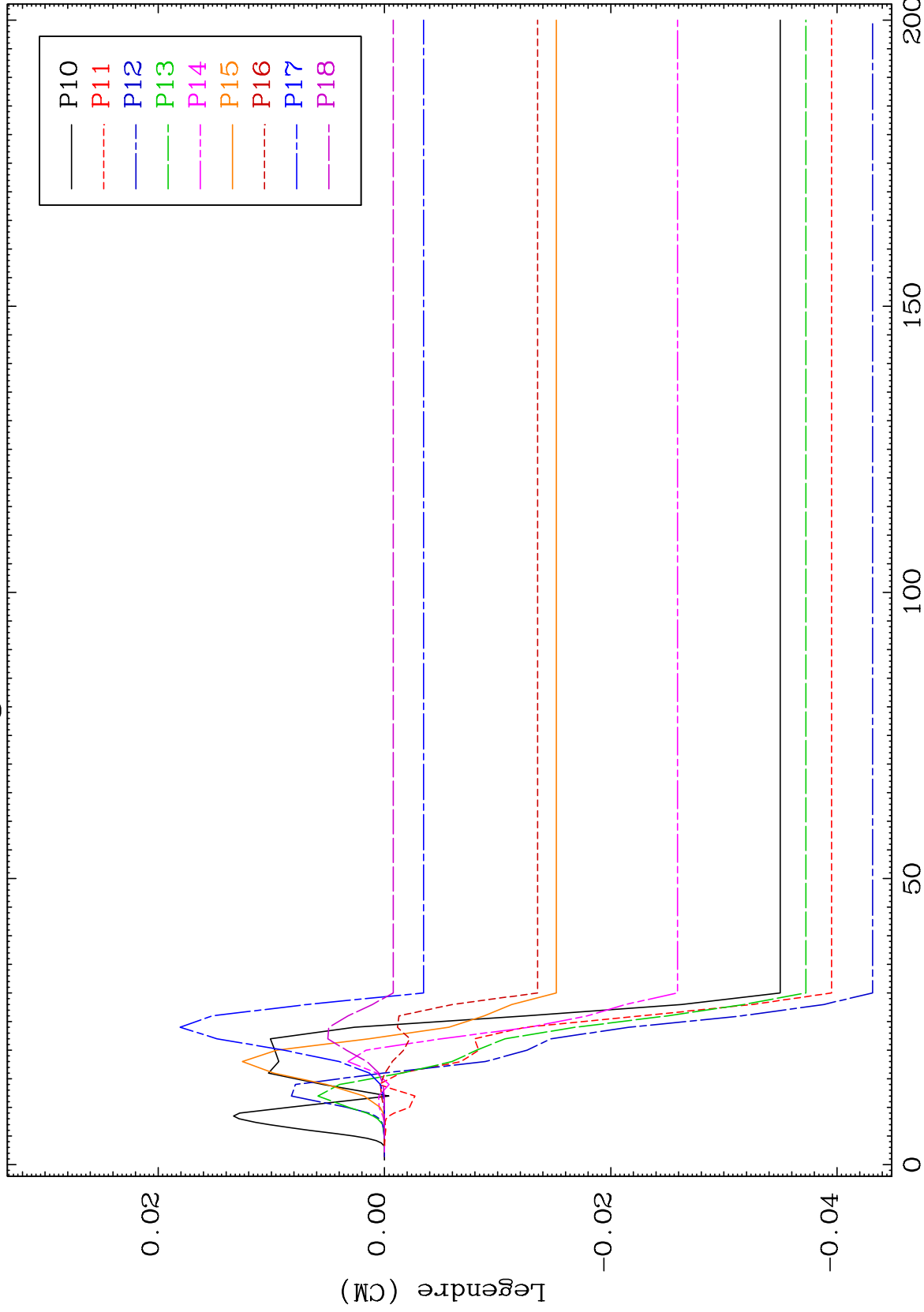
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



29

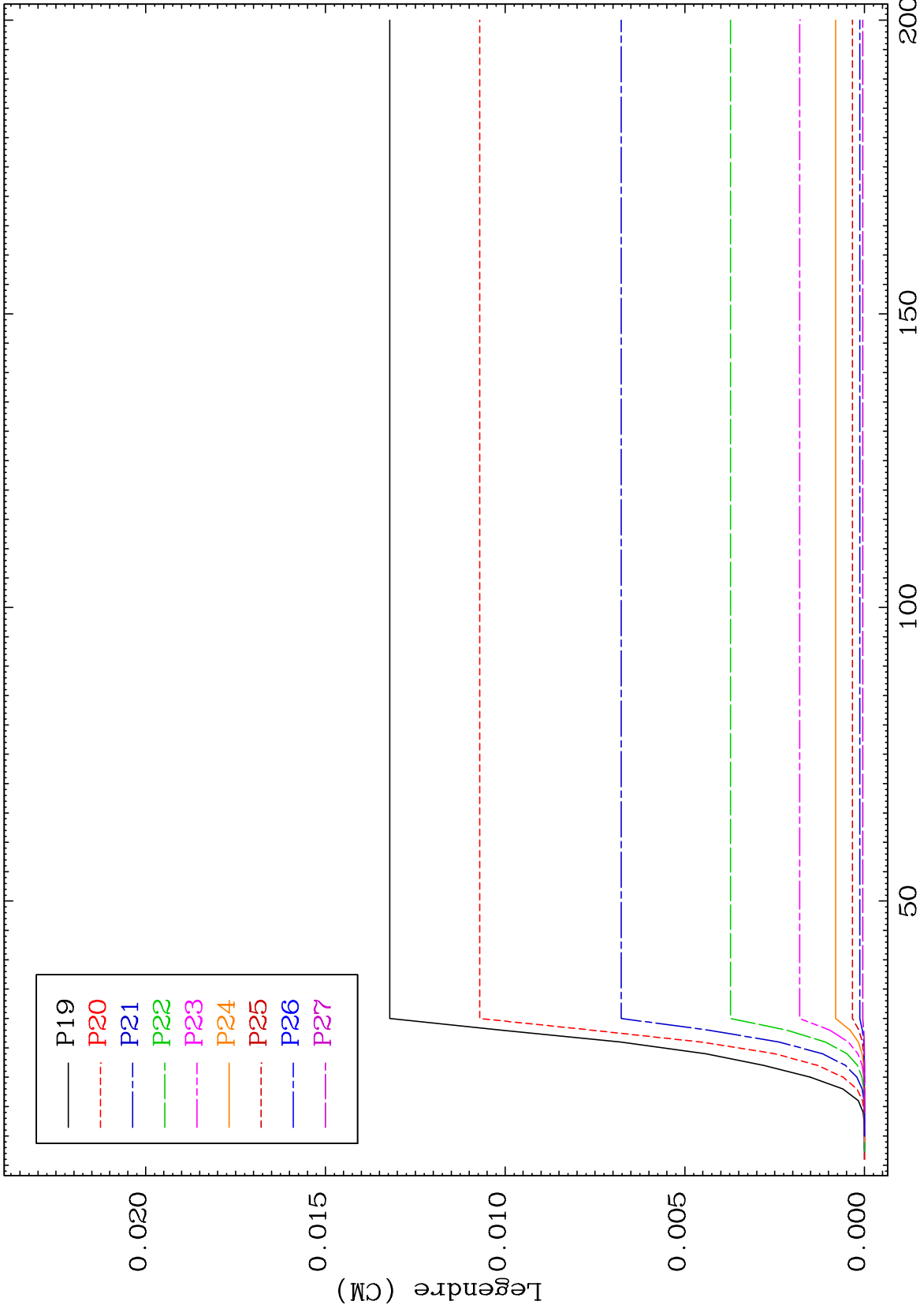
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



30

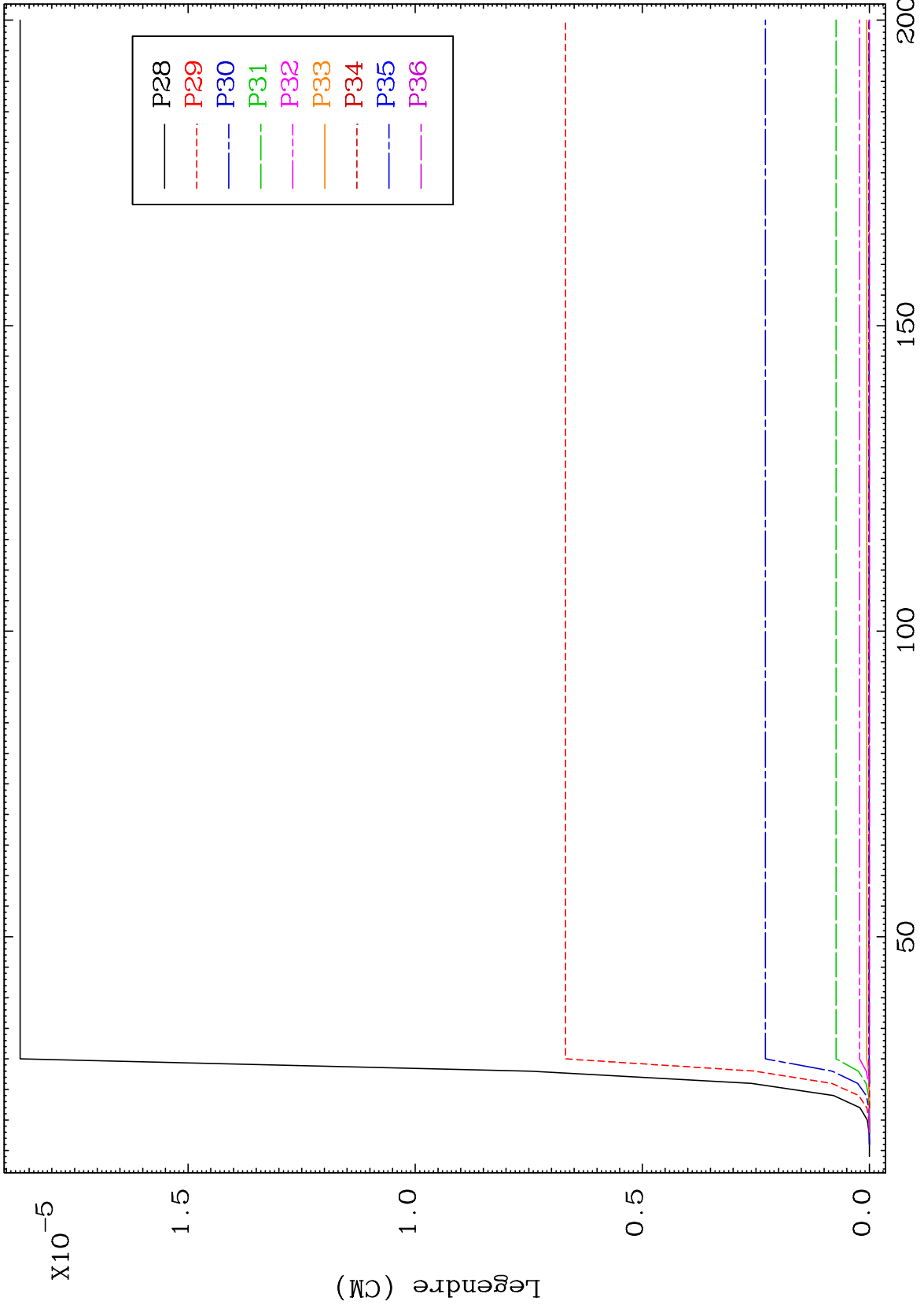
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



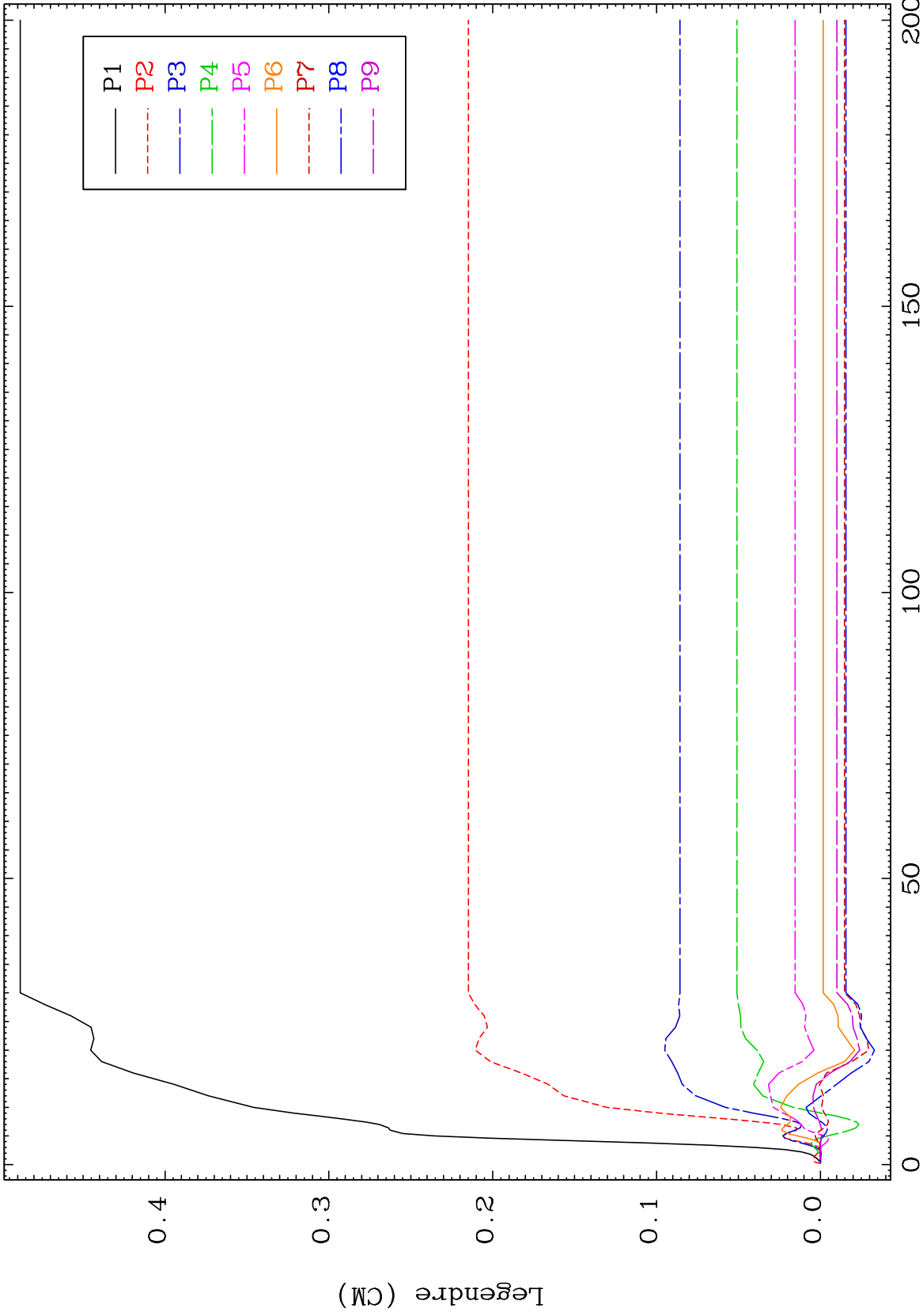
31

69-Tm-159

MAT 6895

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

69-Tm-159



32

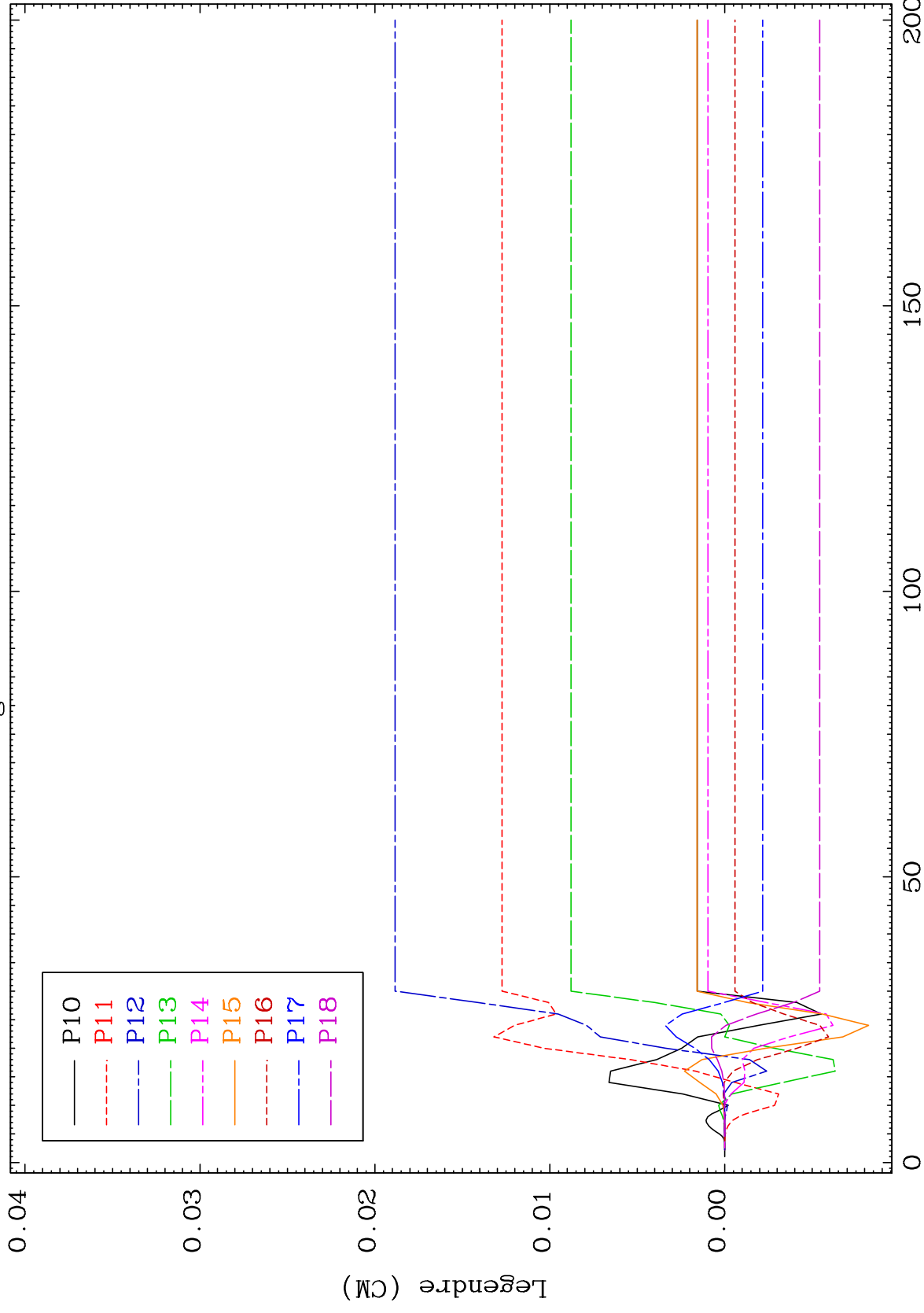
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



33

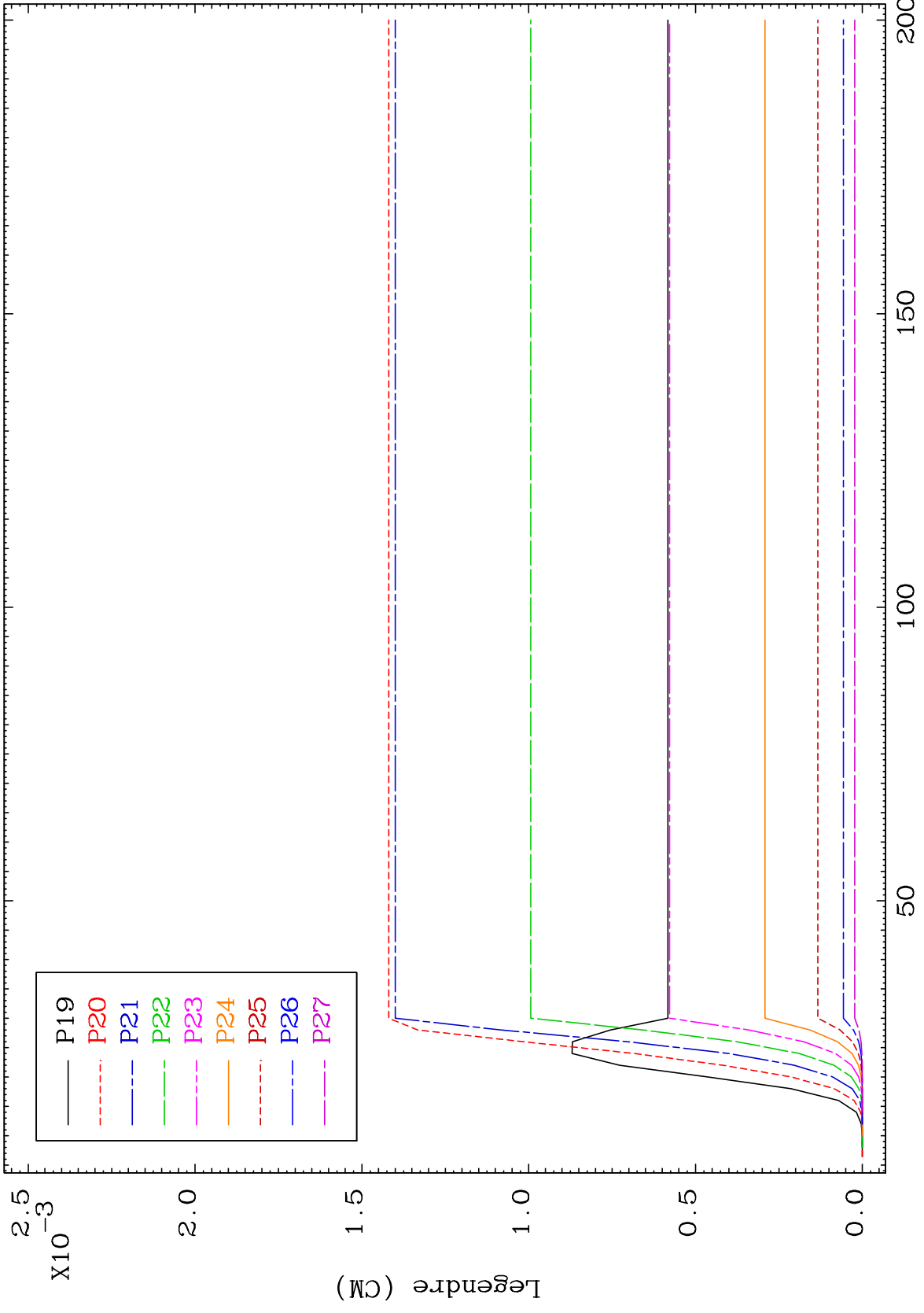
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



34

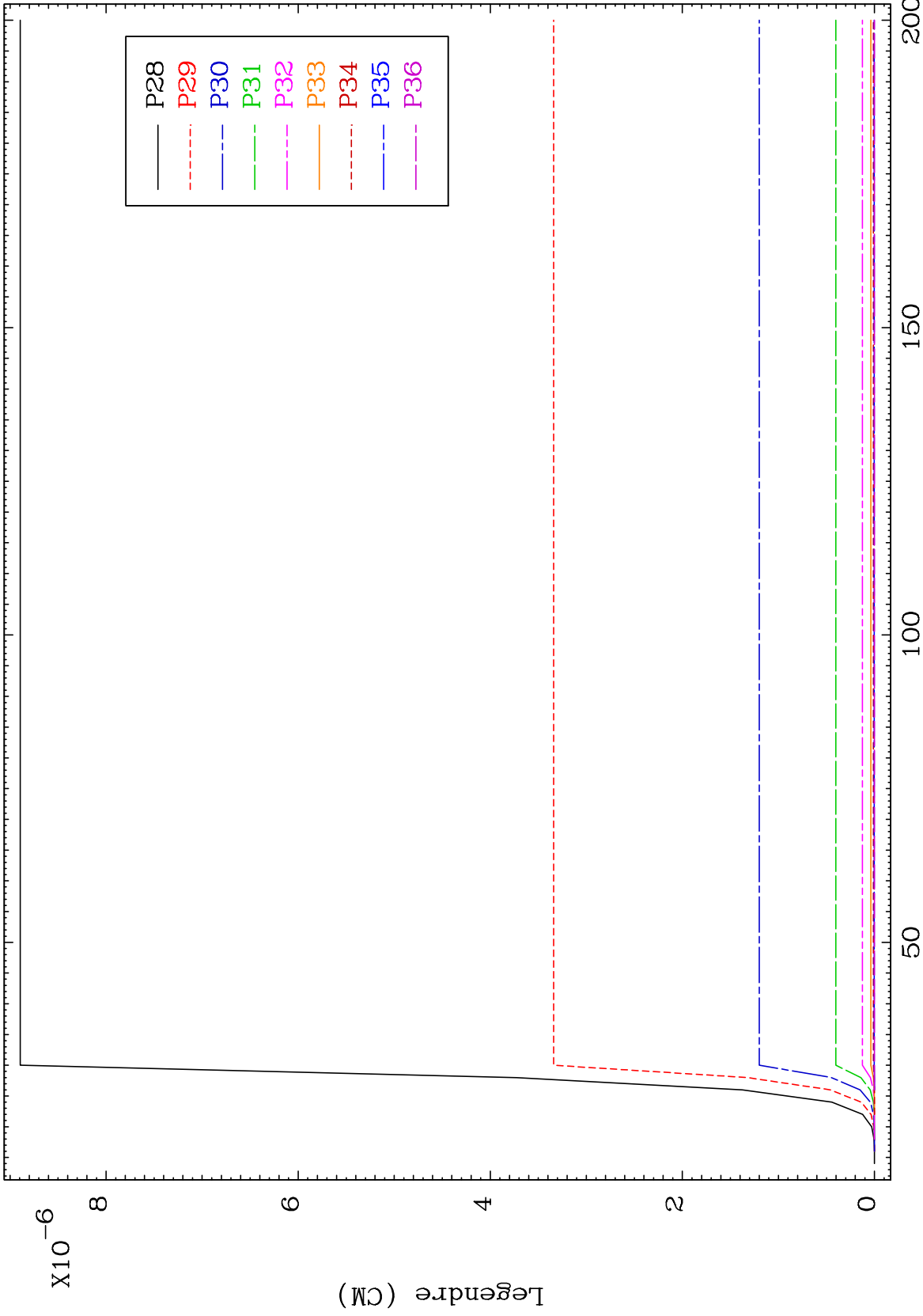
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



35

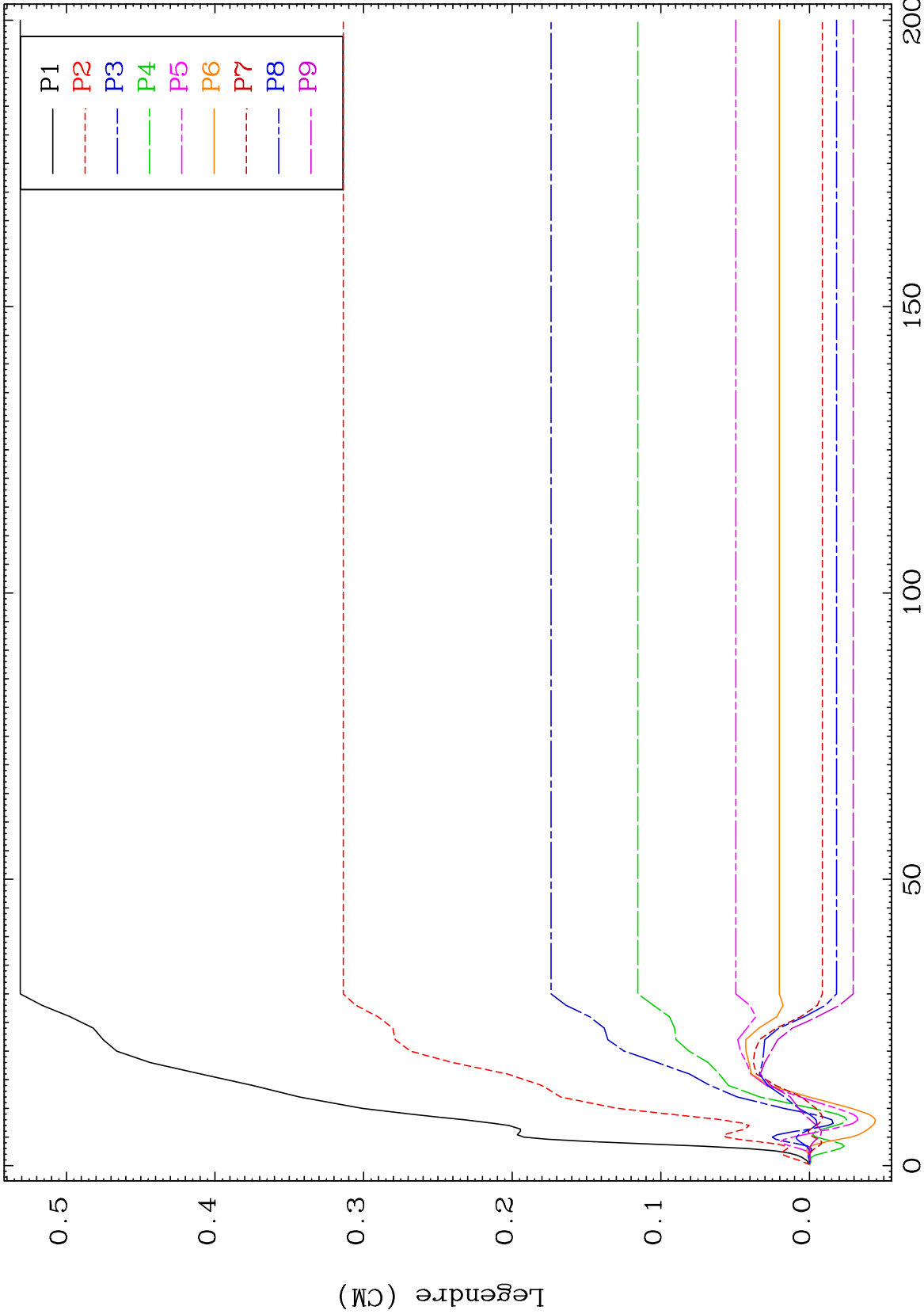
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



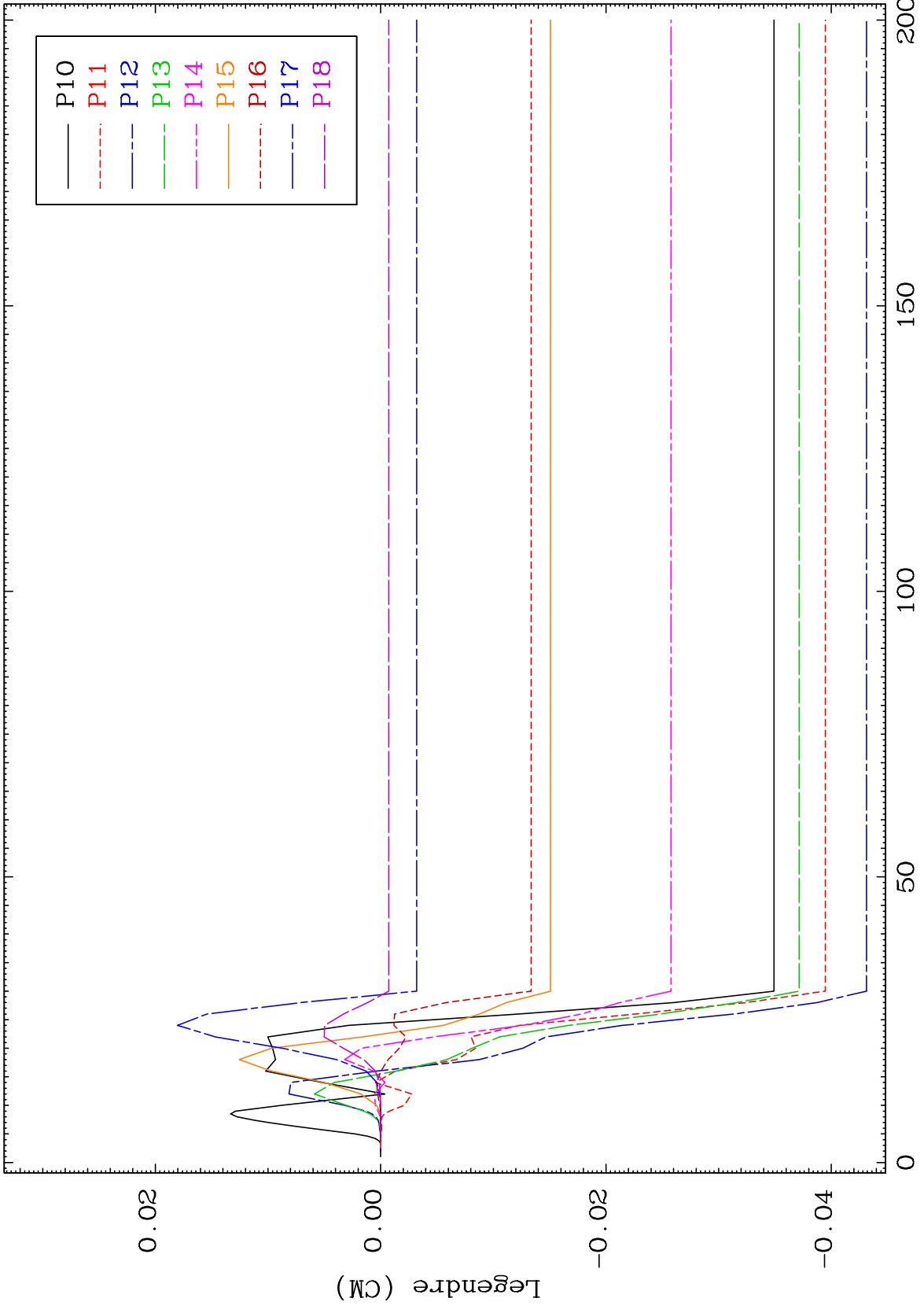
36

69-Tm-159

MAT 6895

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

69-Tm-159



37

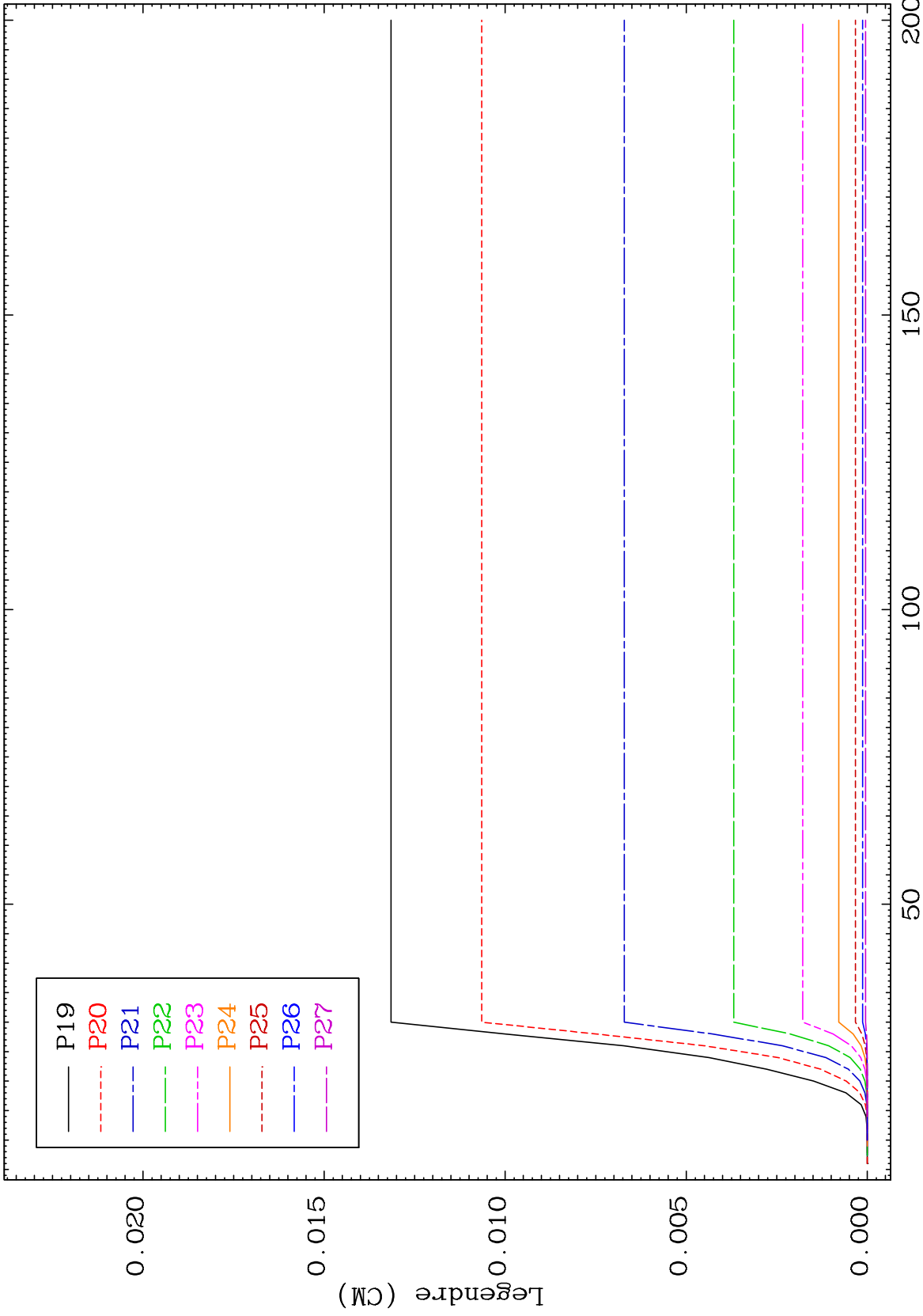
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



38

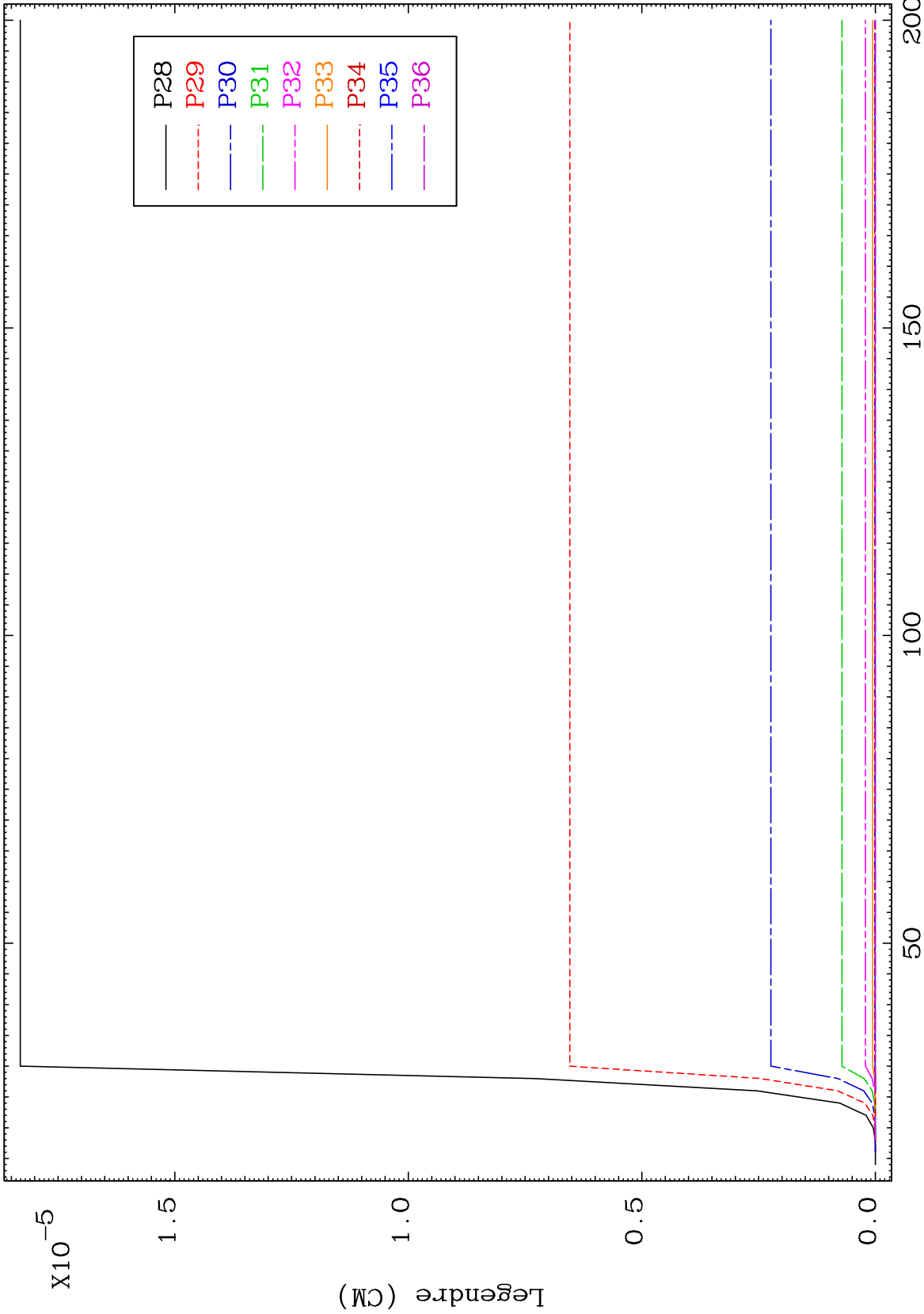
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



39

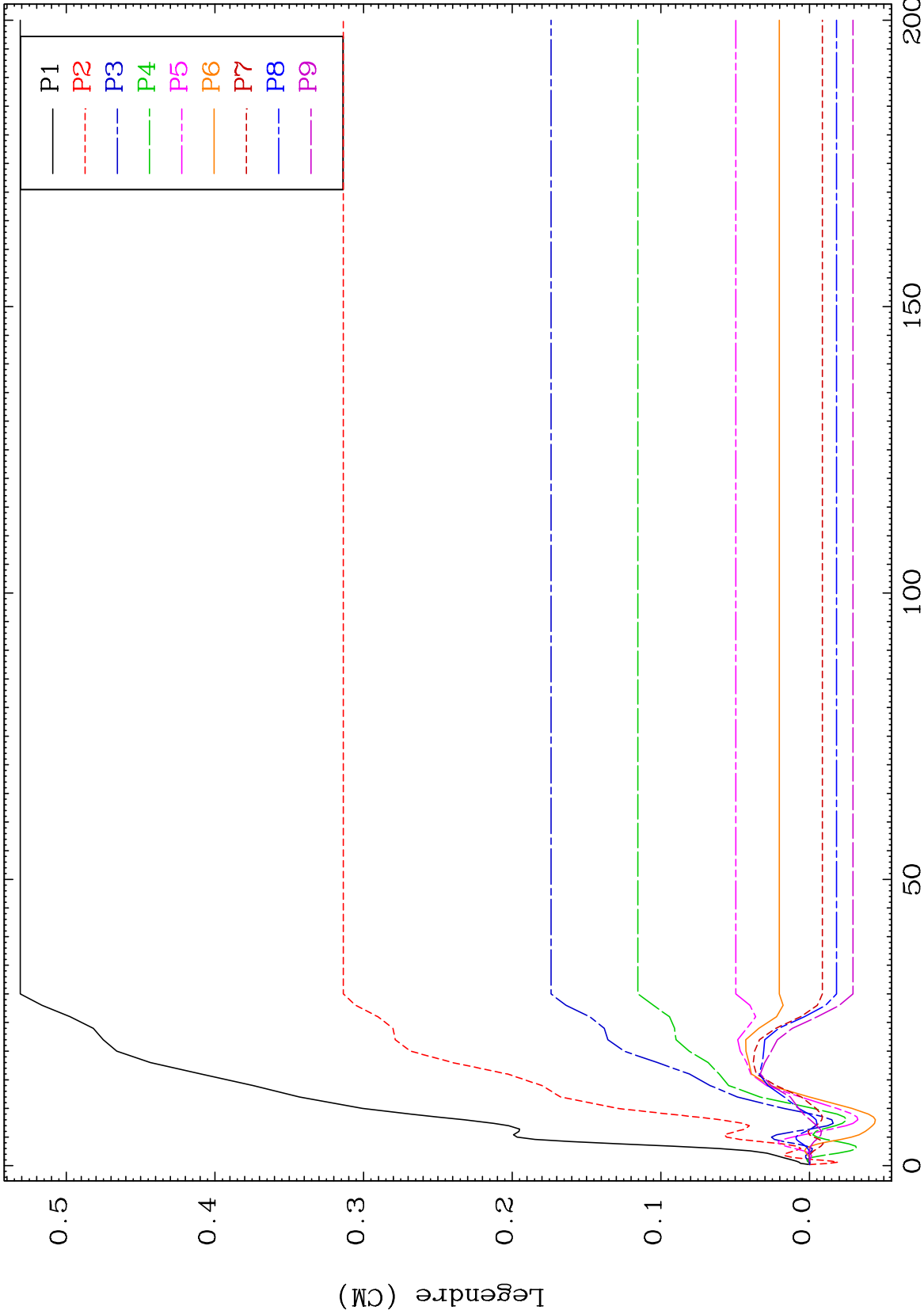
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



69-Tm-159

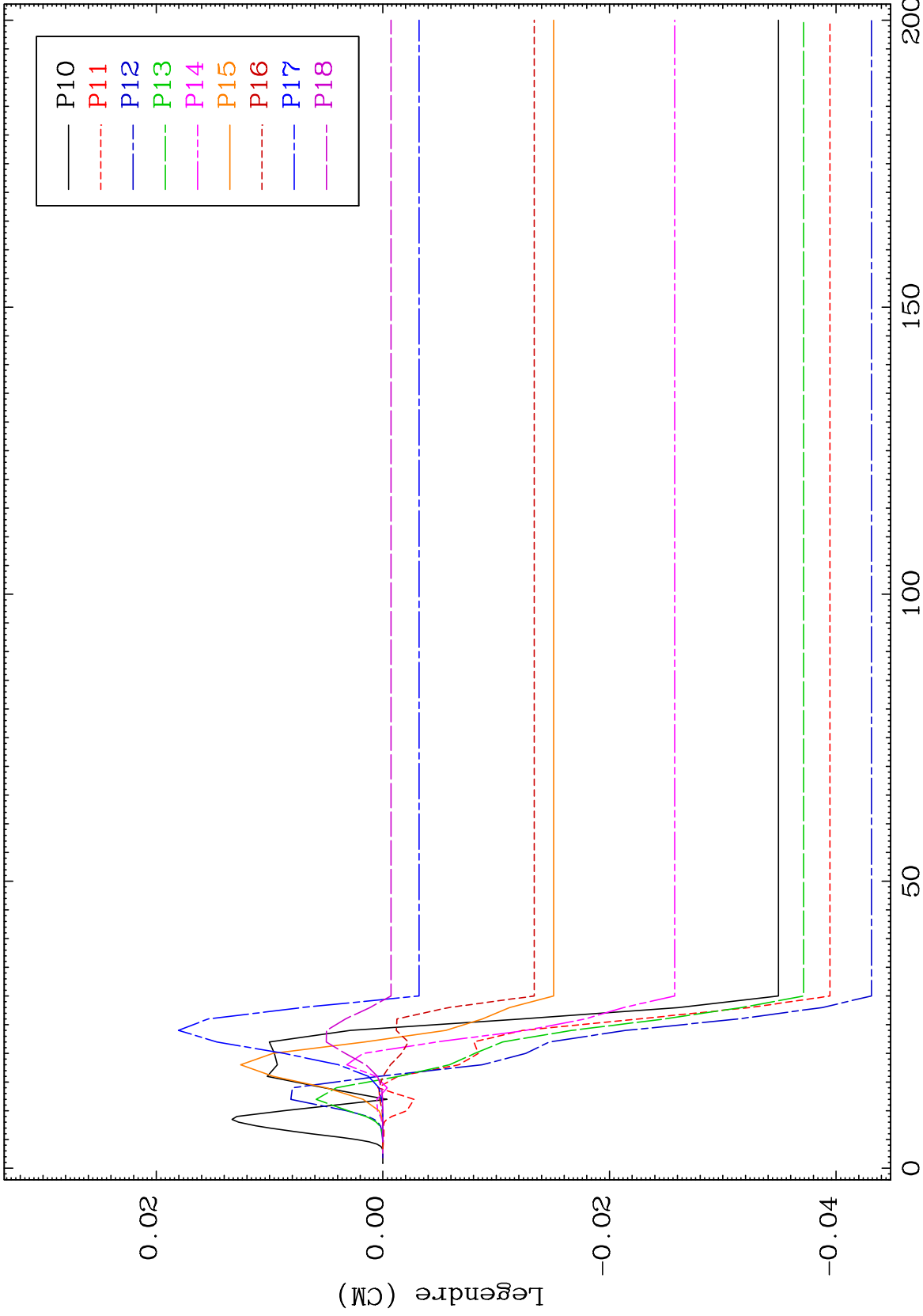
Incident Energy (MeV)

40

MAT 6895

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

69-Tm-159



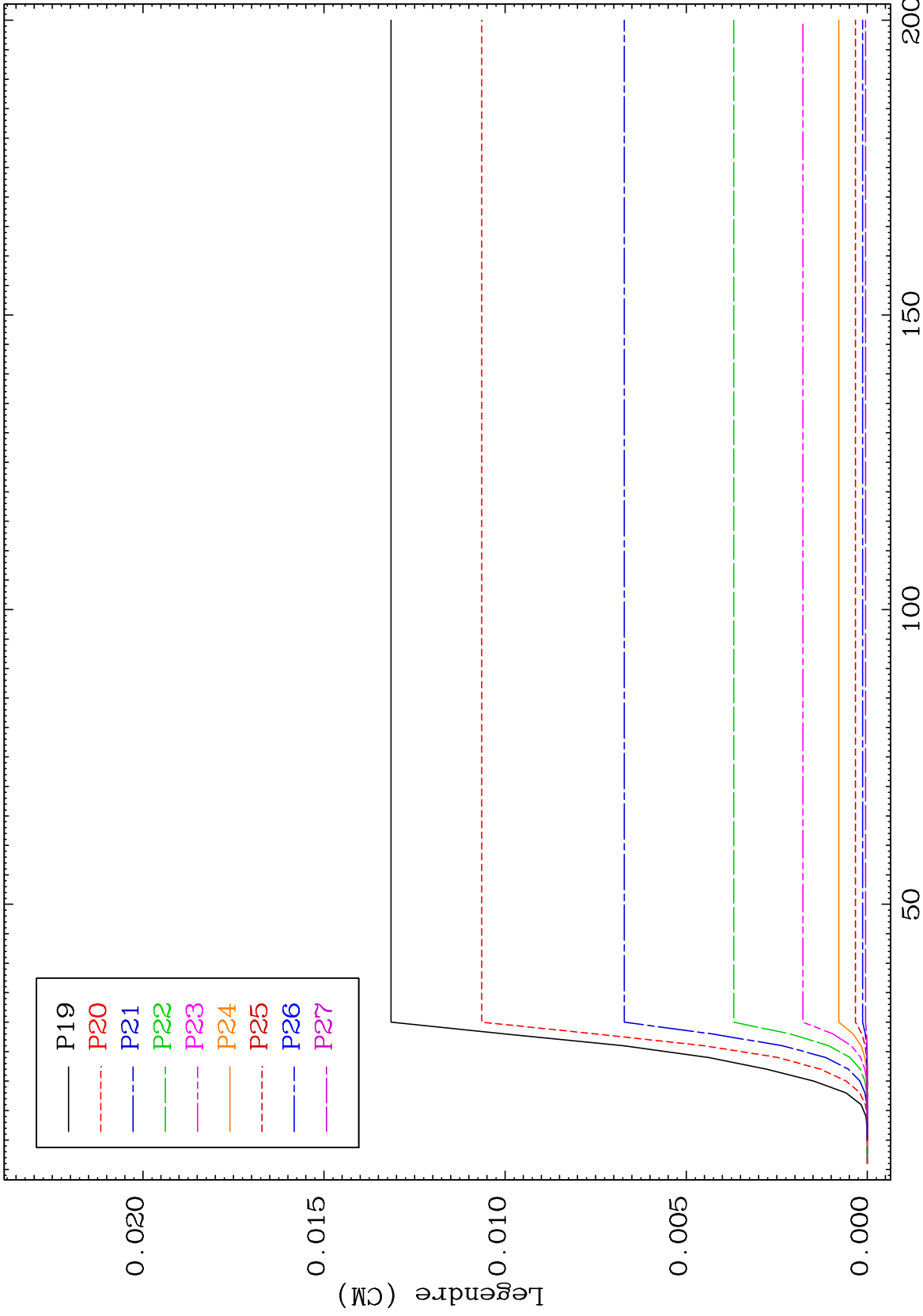
41

69-Tm-159

MAT 6895

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

69-Tm-159



42

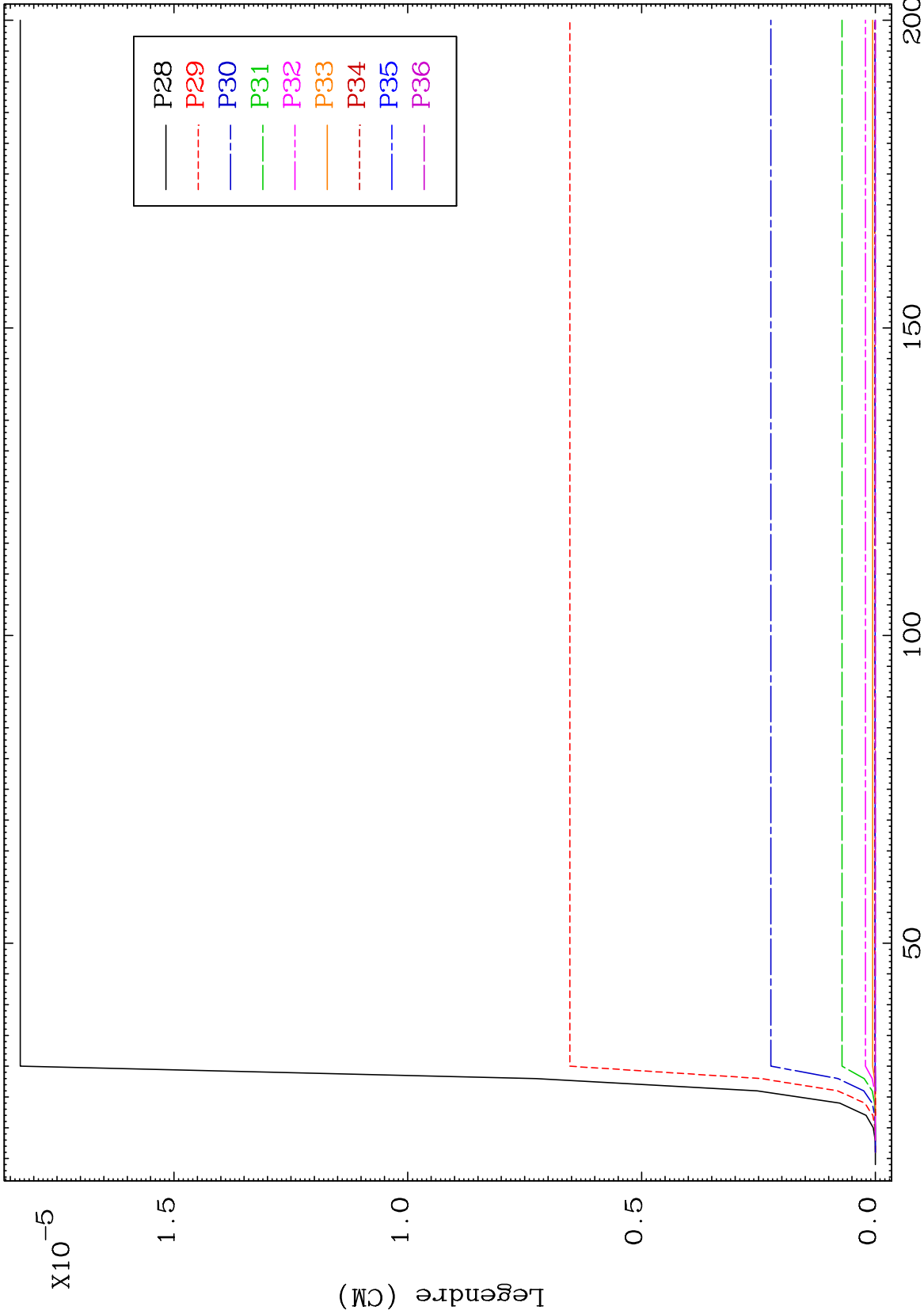
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



43

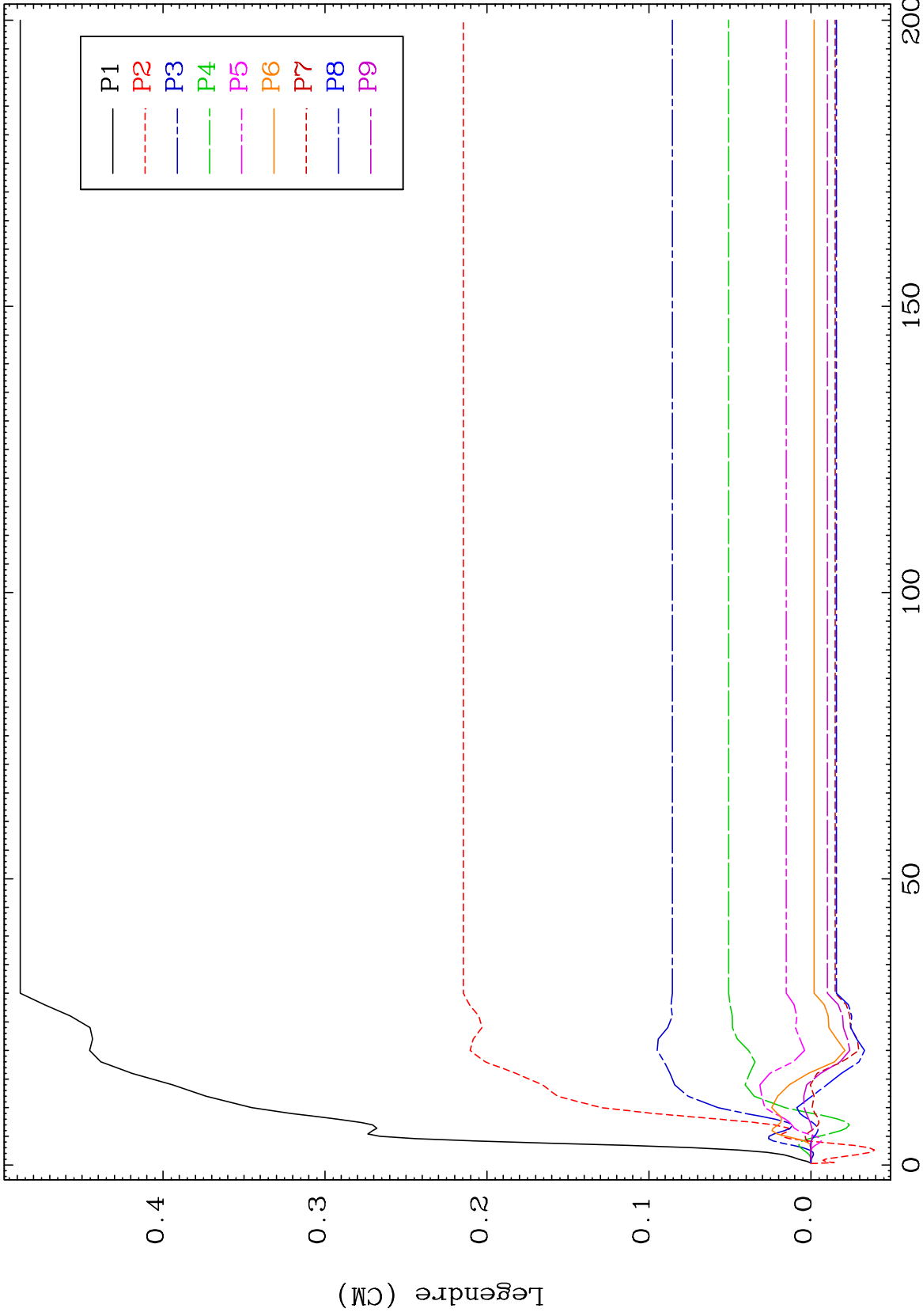
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



44

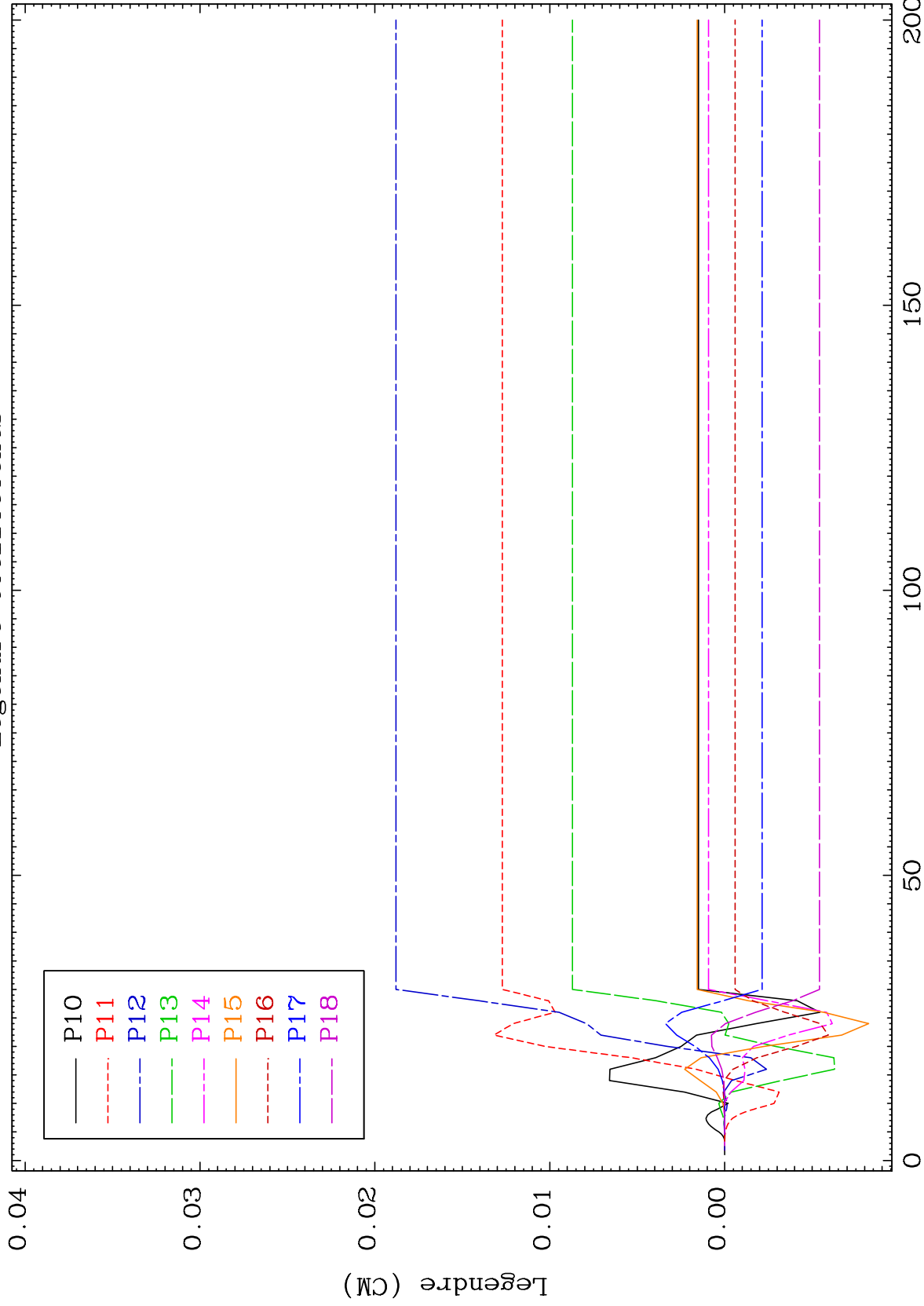
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



45

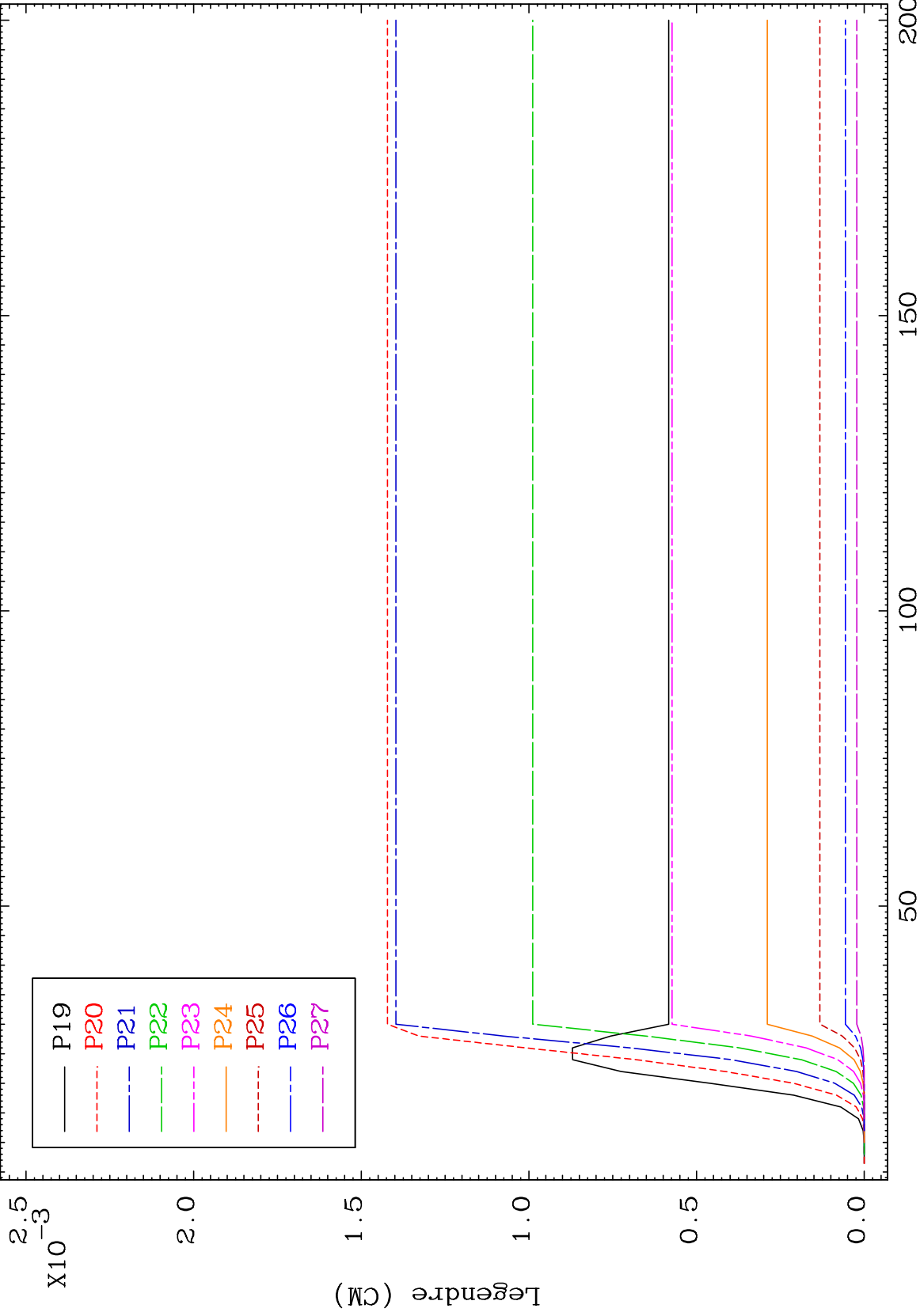
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



46

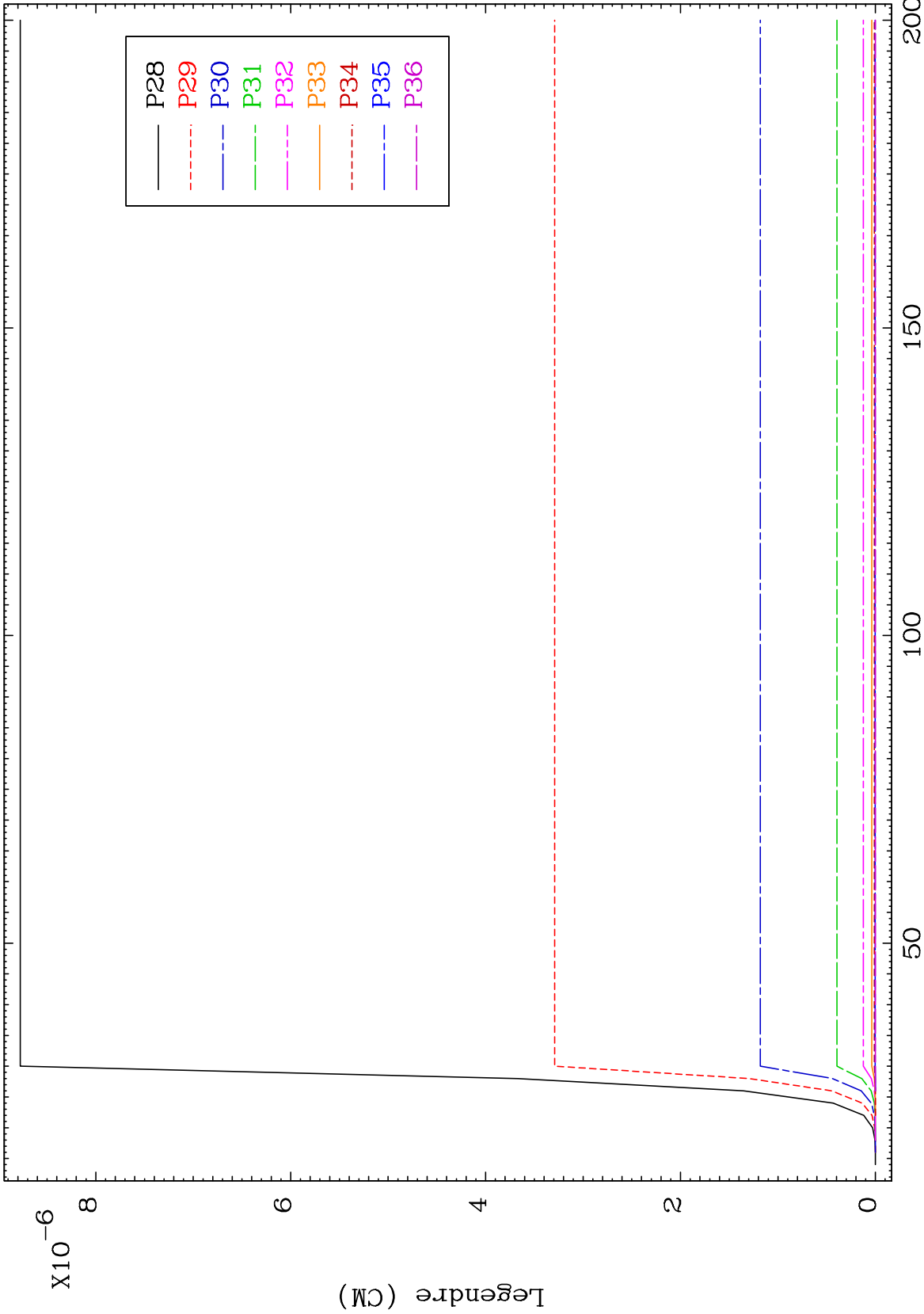
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159

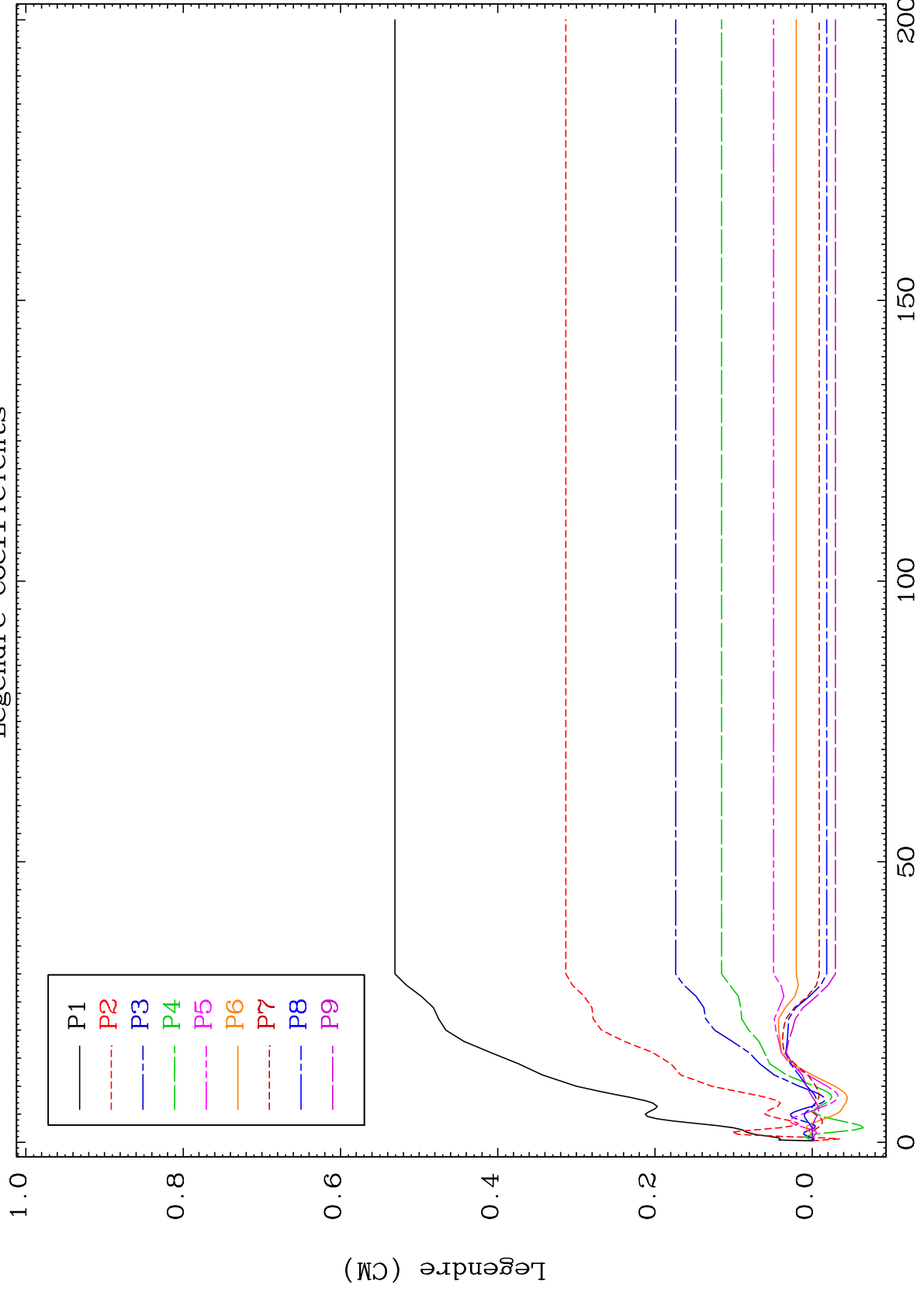


47

Incident Energy (MeV)

69-Tm-159

MAT 6895 MT= 58 (n,n') Level Legendre Coefficients 69-Tm-159

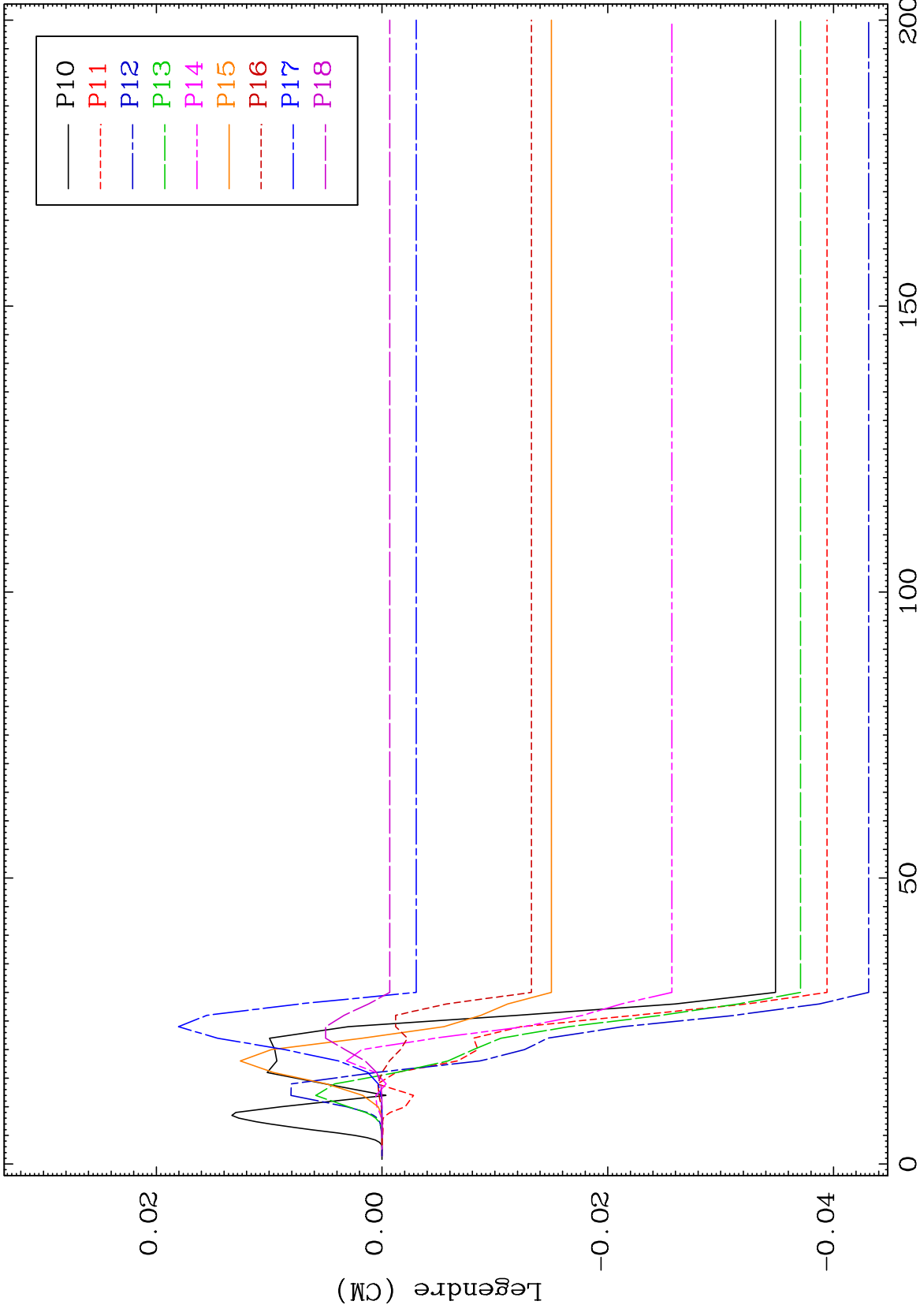


Legendre (CM) Incident Energy (MeV) 48 69-Tm-159

MAT 6895

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

69-Tm-159



49

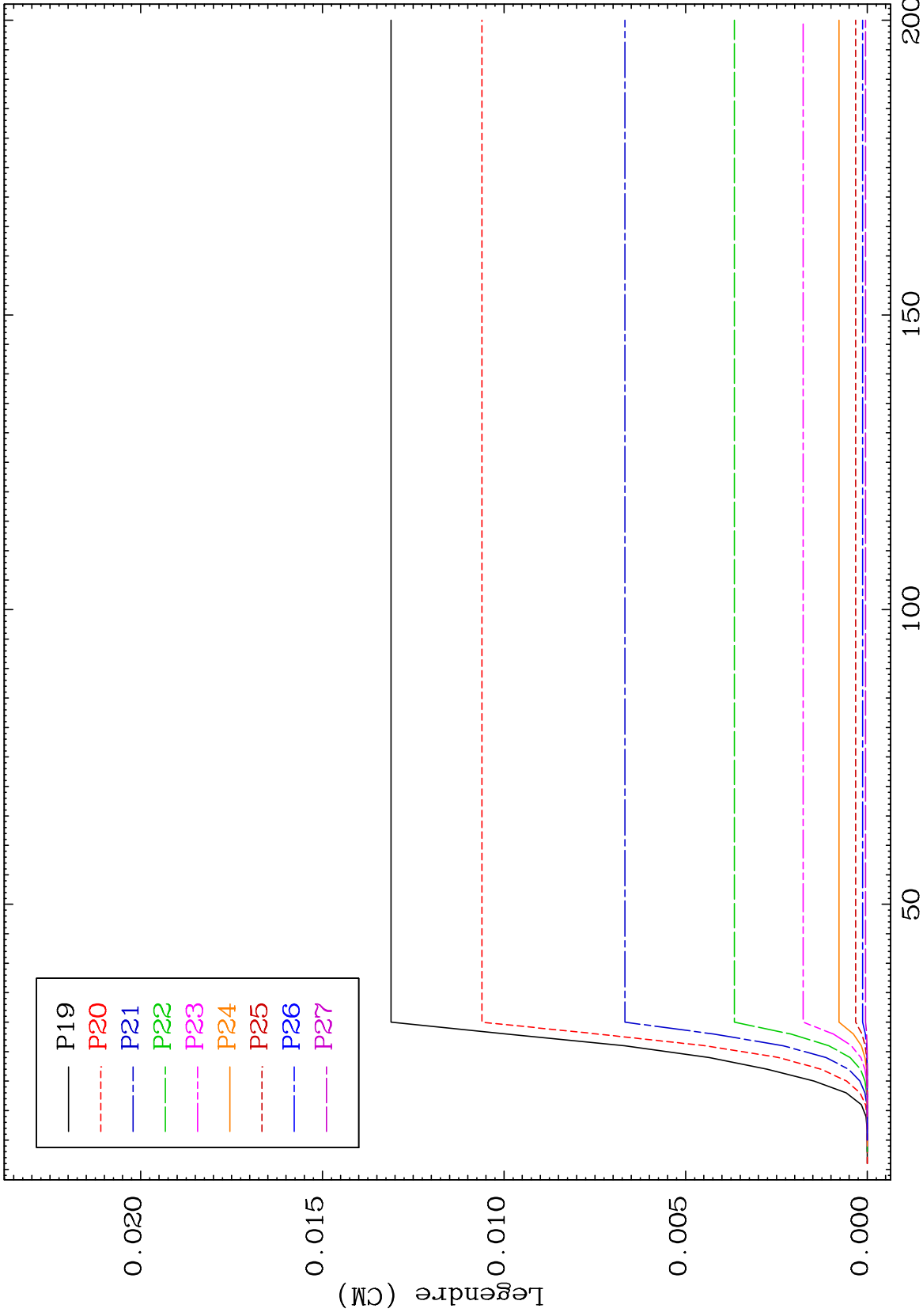
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



50

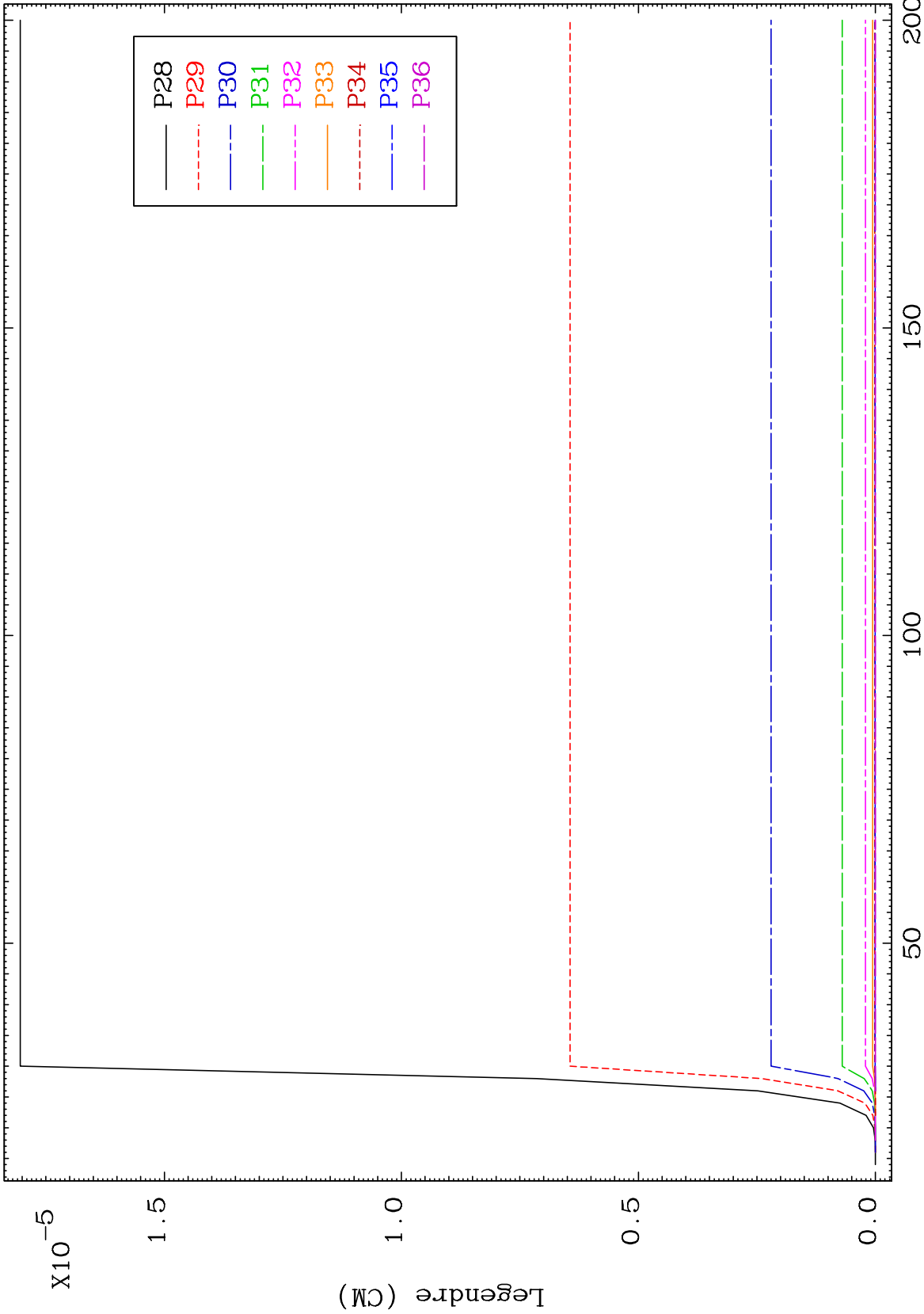
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



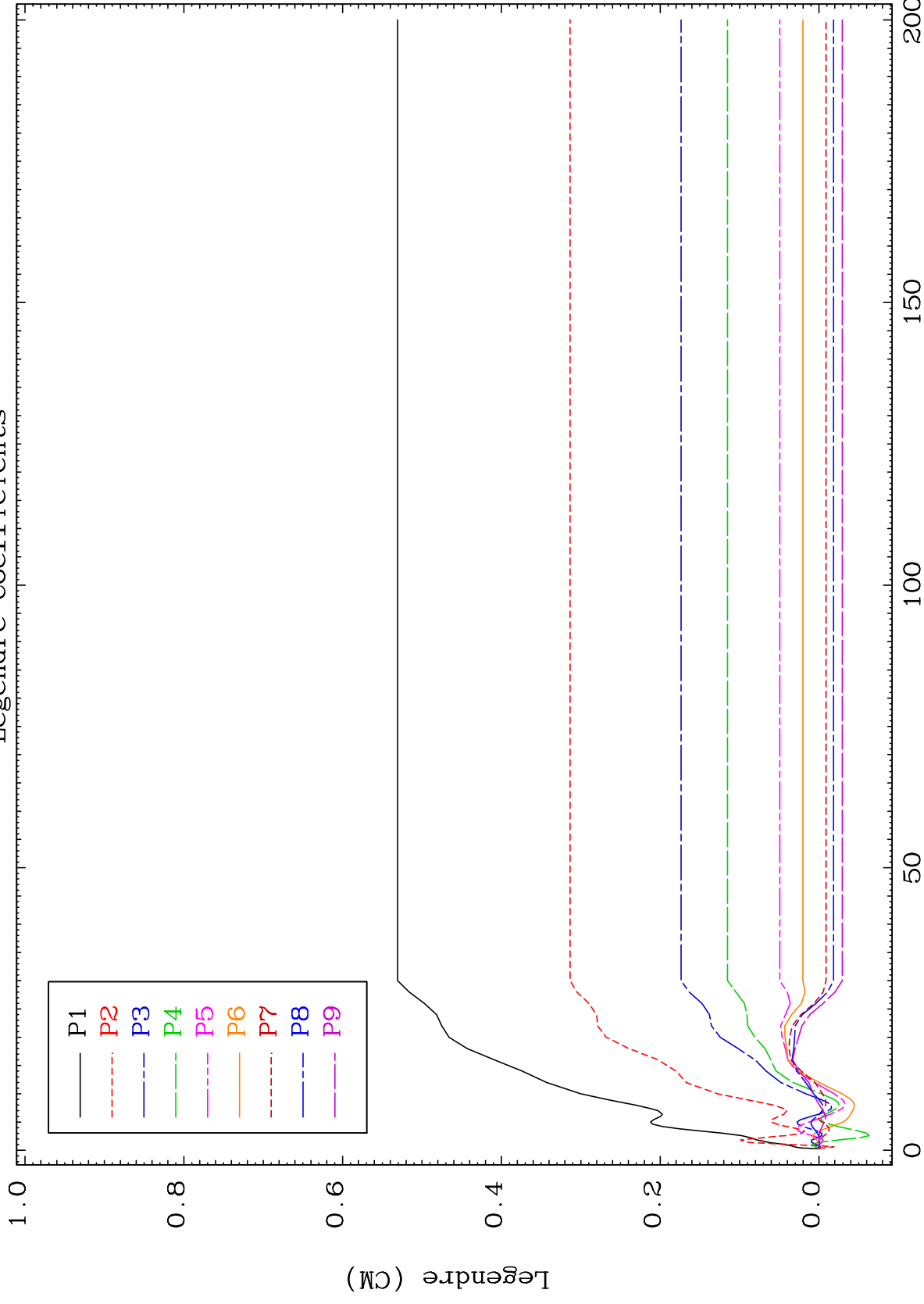
51

69-Tm-159

MAT 6895

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

69-Tm-159



69-Tm-159

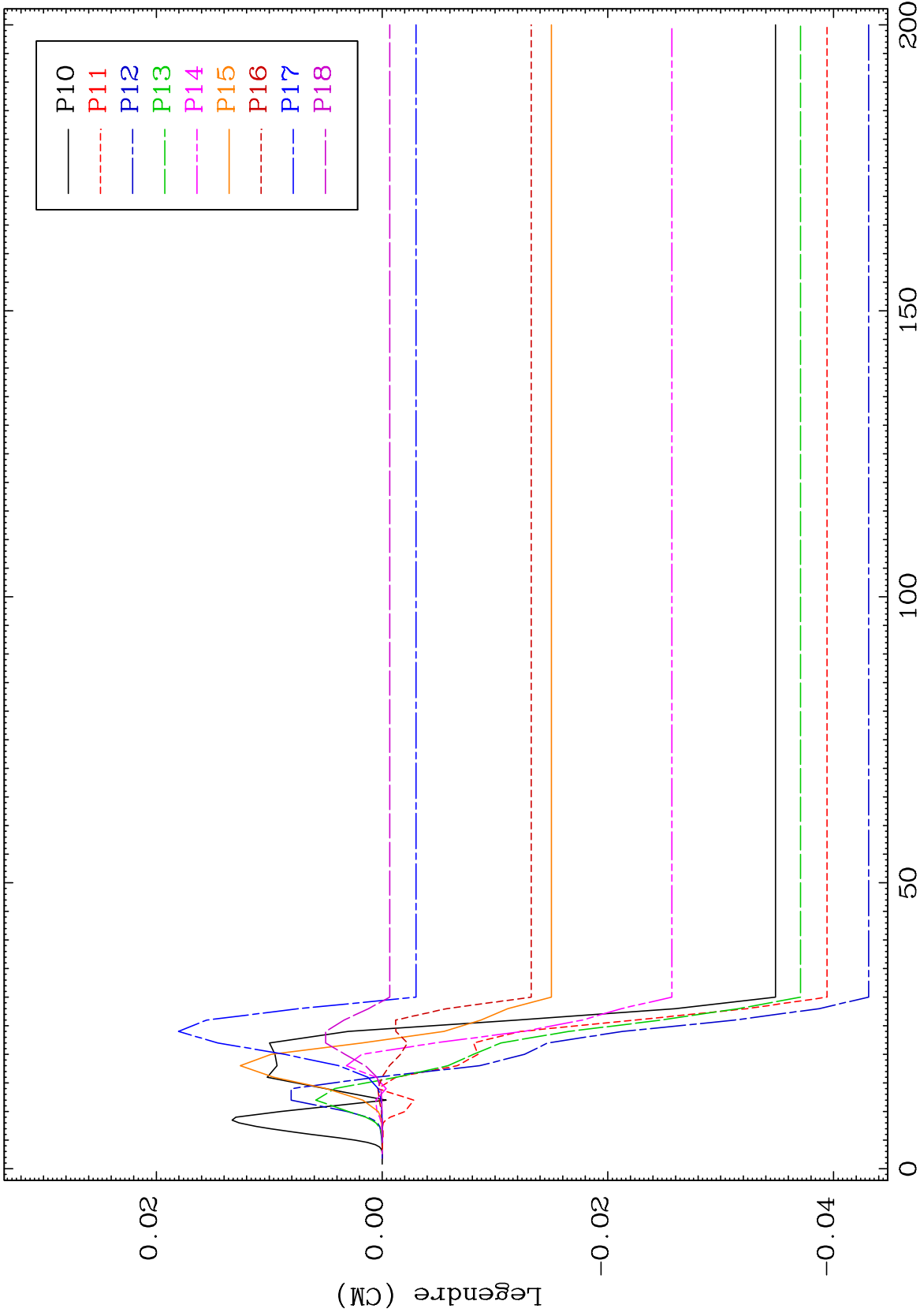
Incident Energy (MeV)

52

MAT 6895

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

69-Tm-159



53

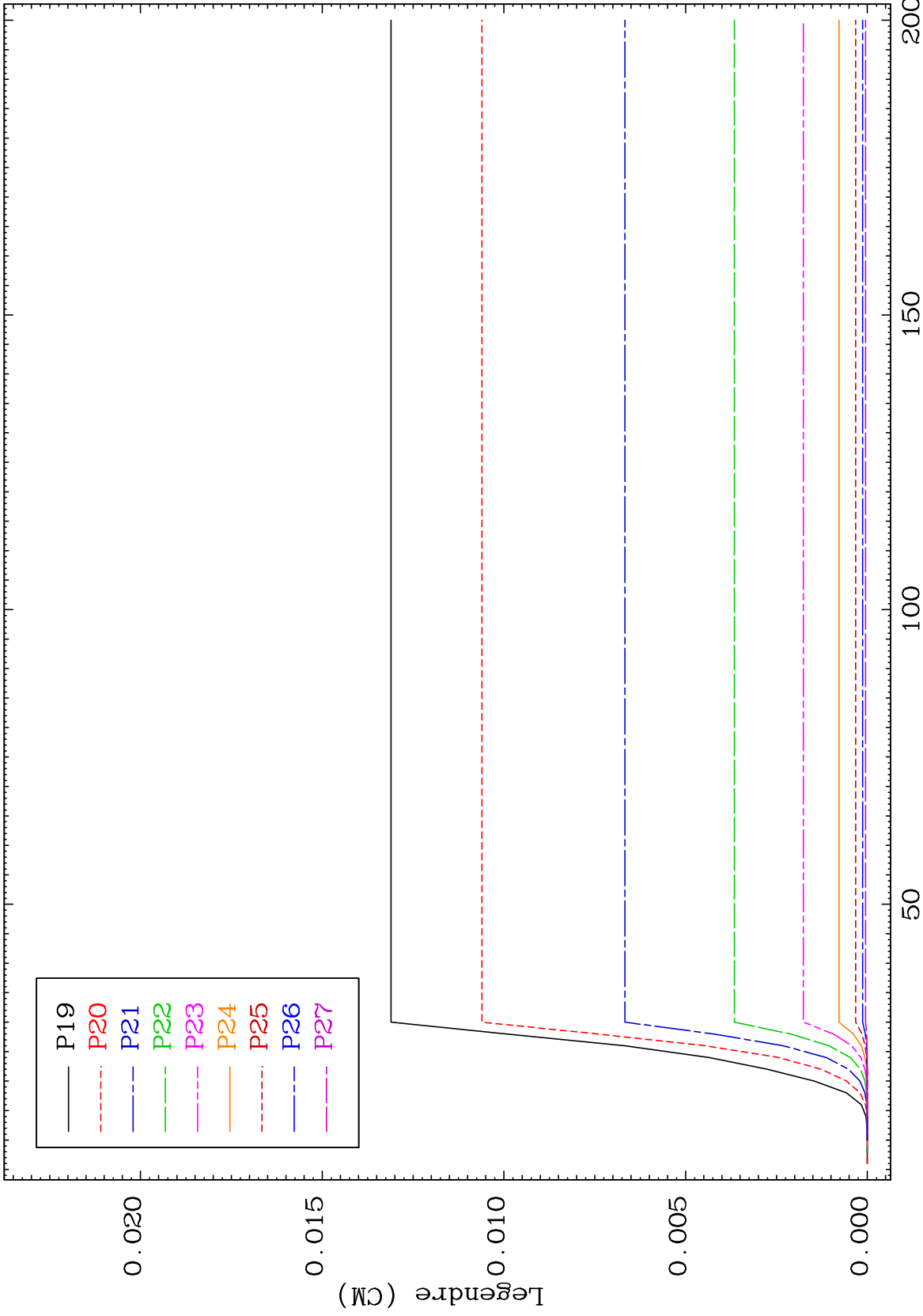
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



54

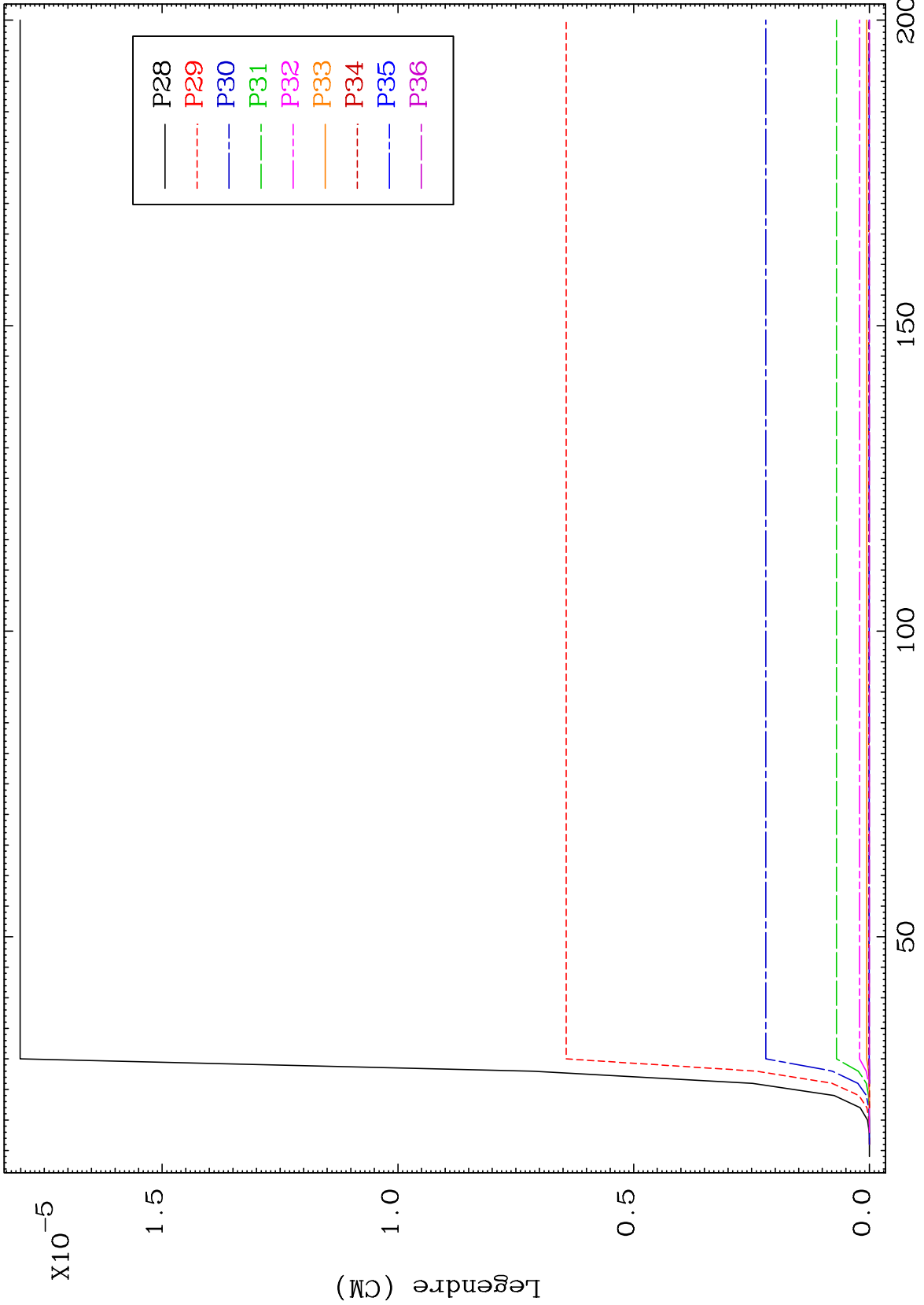
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159

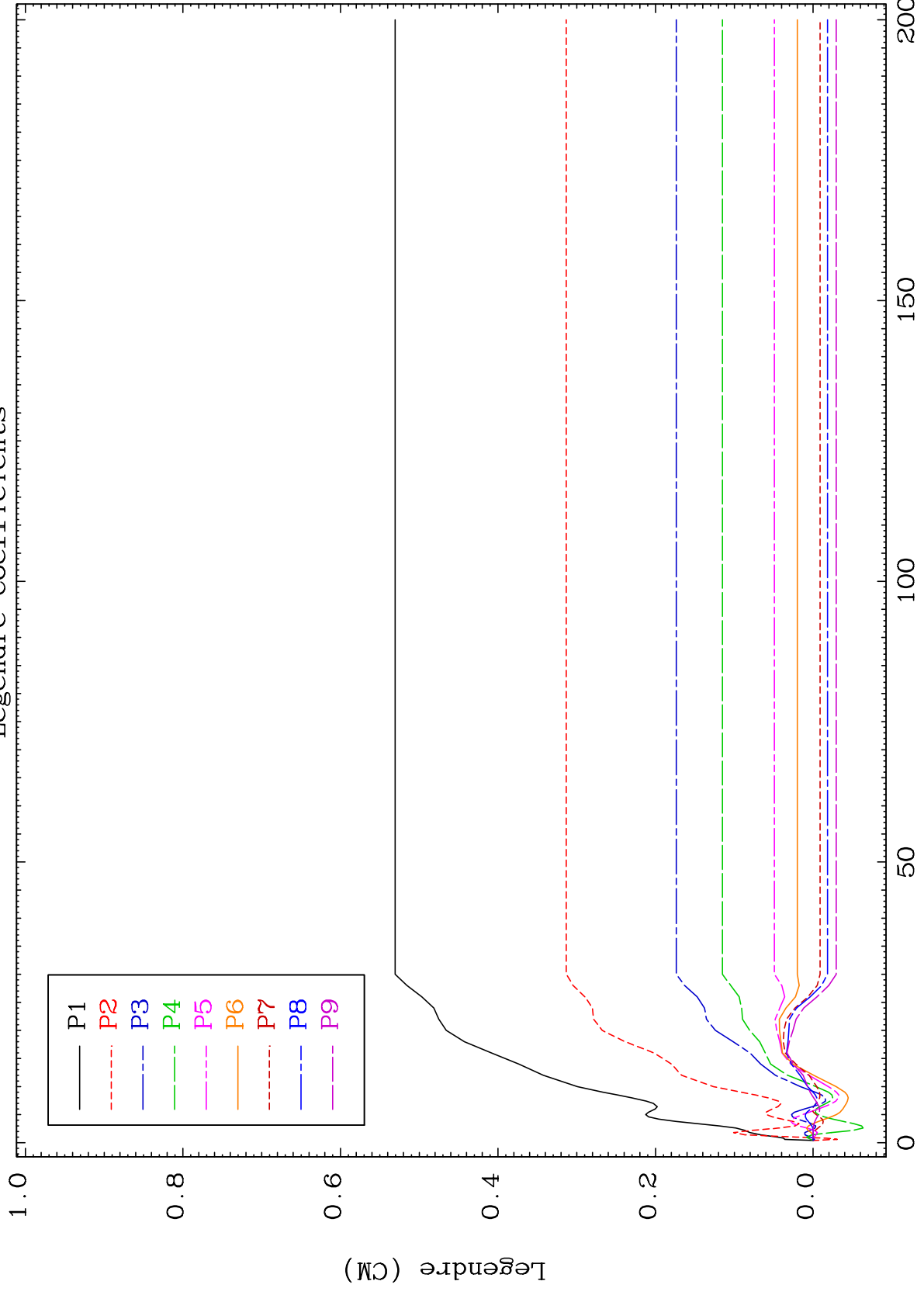


55

Incident Energy (MeV)

69-Tm-159

MAT 6895 MT= 60 (n,n') Level Legendre Coefficients 69-Tm-159

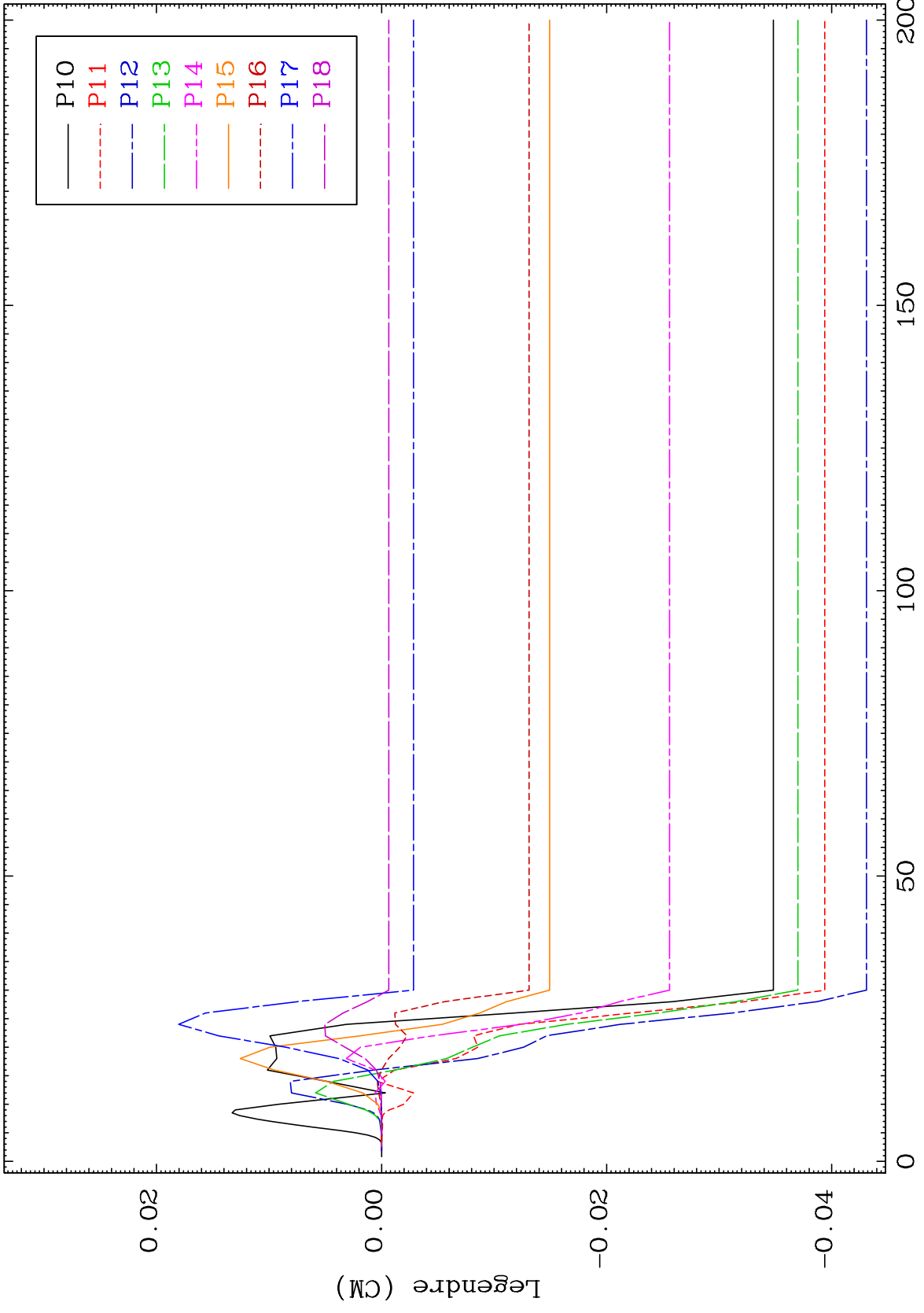


56 Incident Energy (MeV) 69-Tm-159

MAT 6895

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

69-Tm-159



57

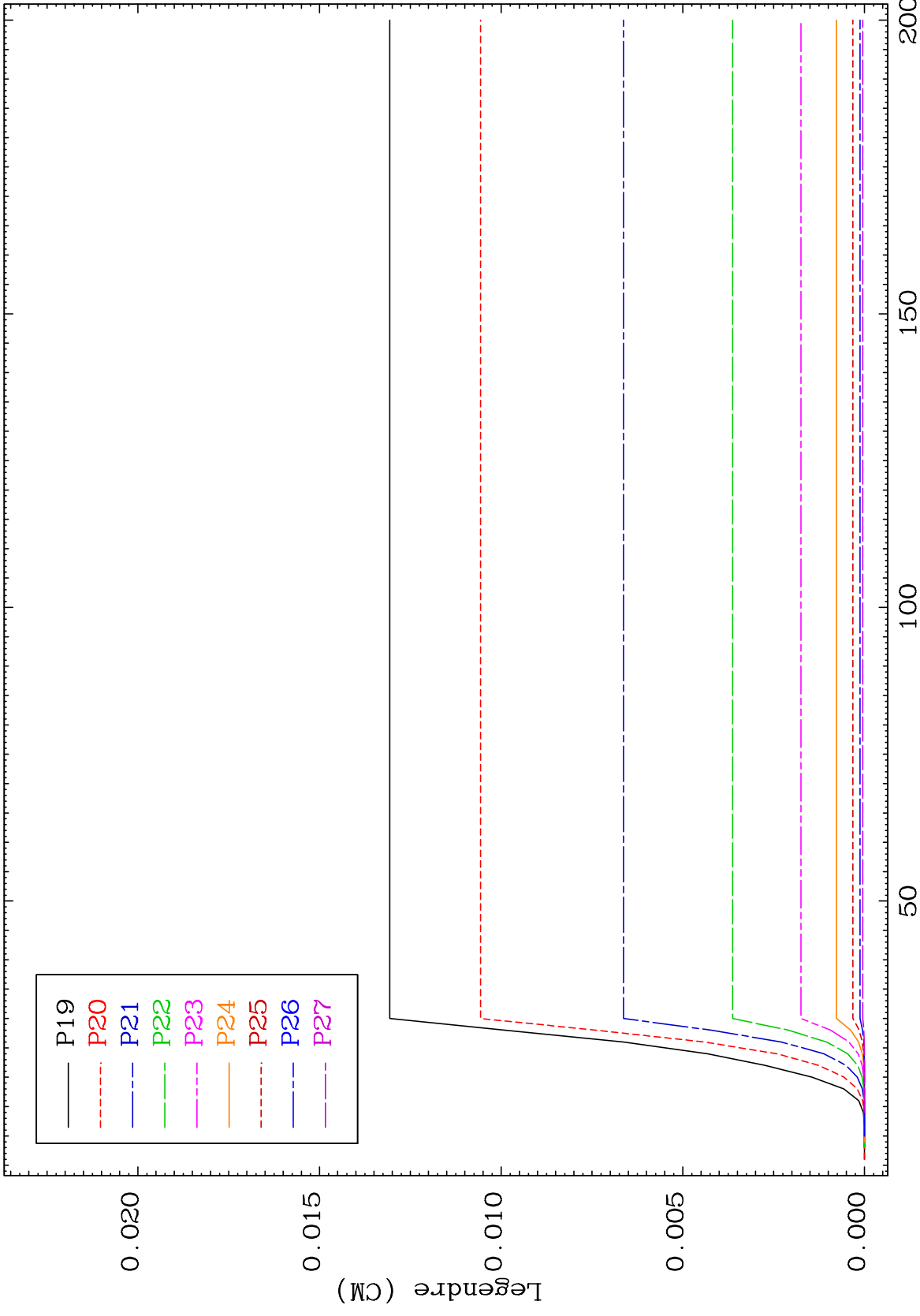
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



58

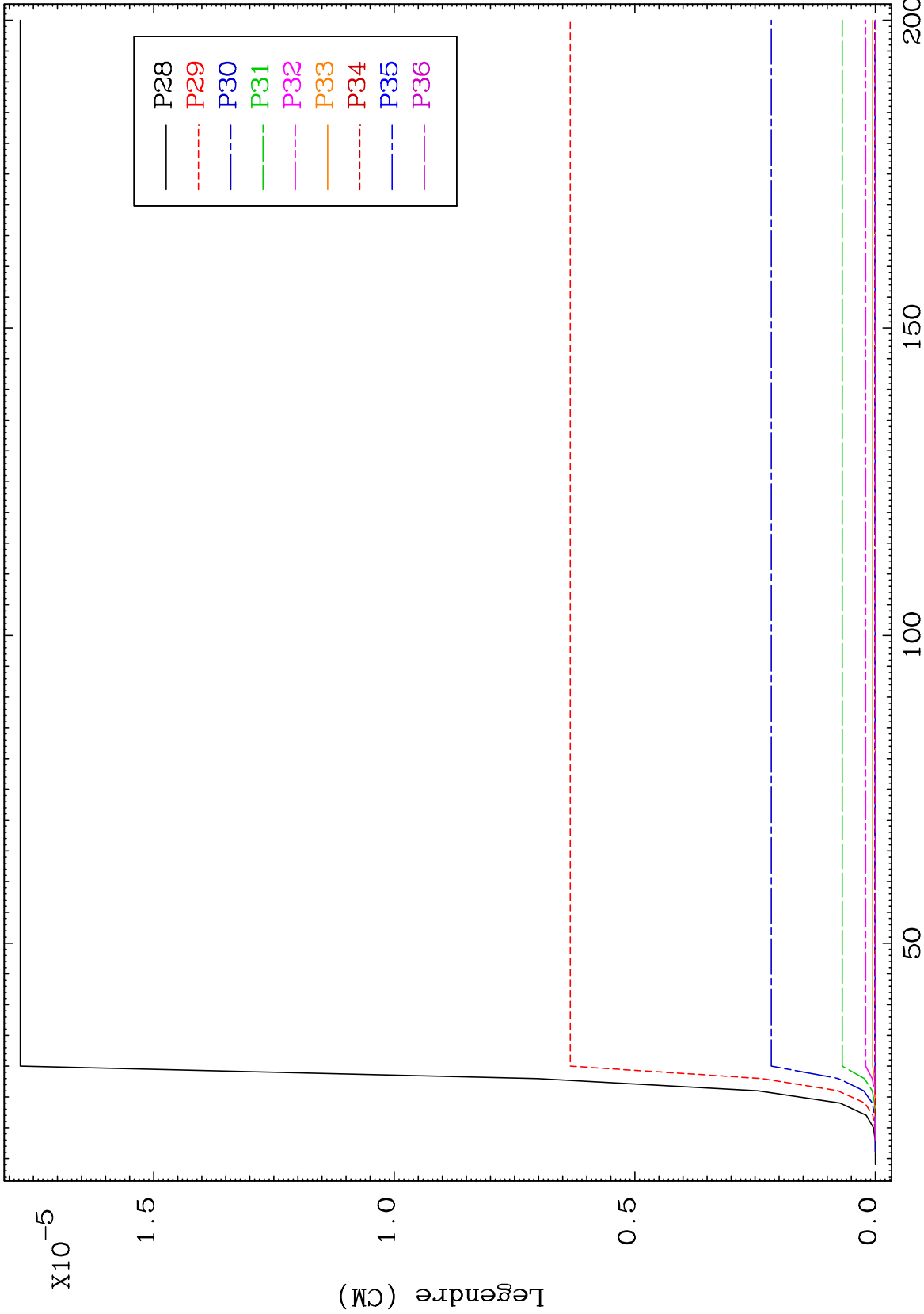
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



59

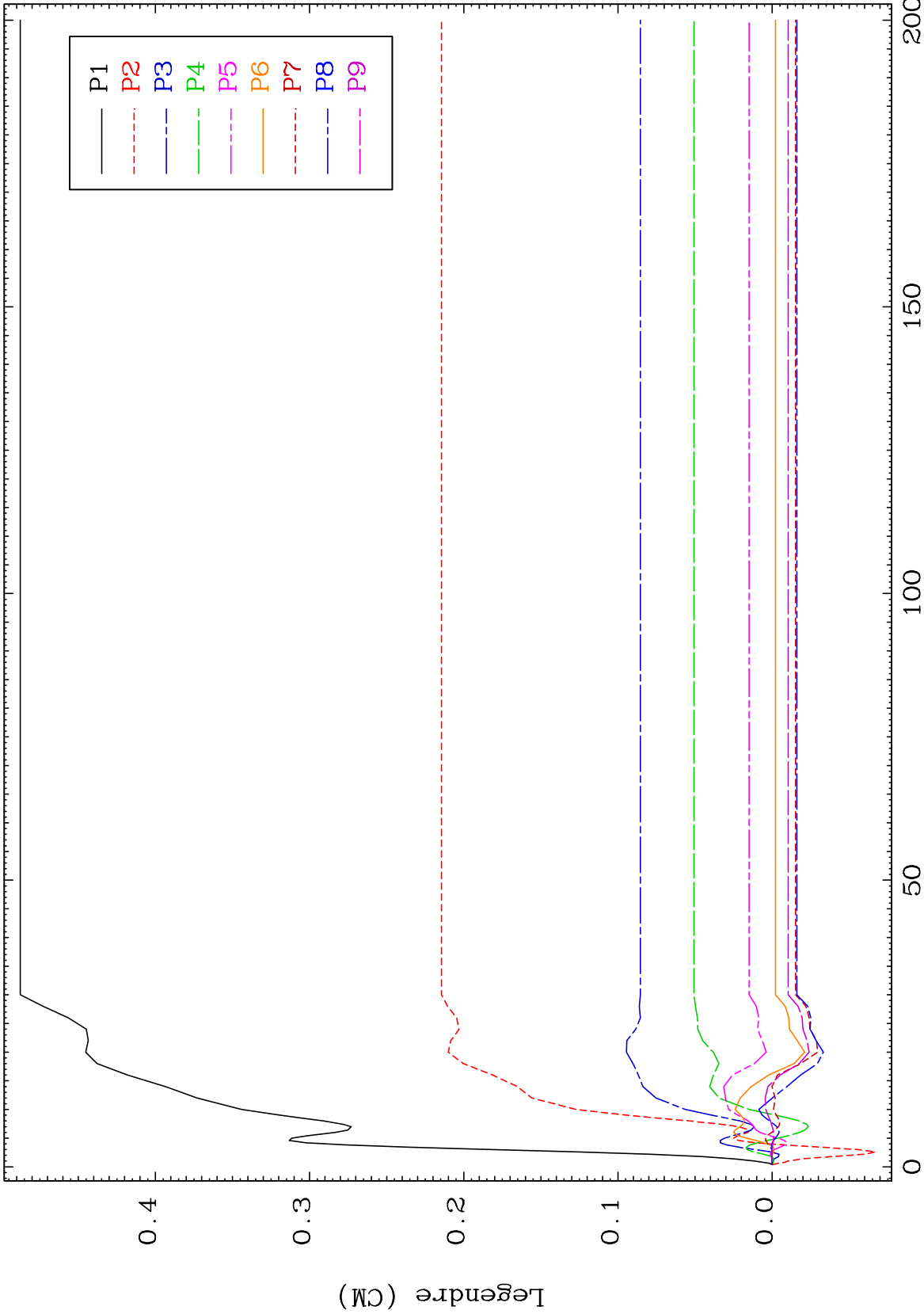
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159

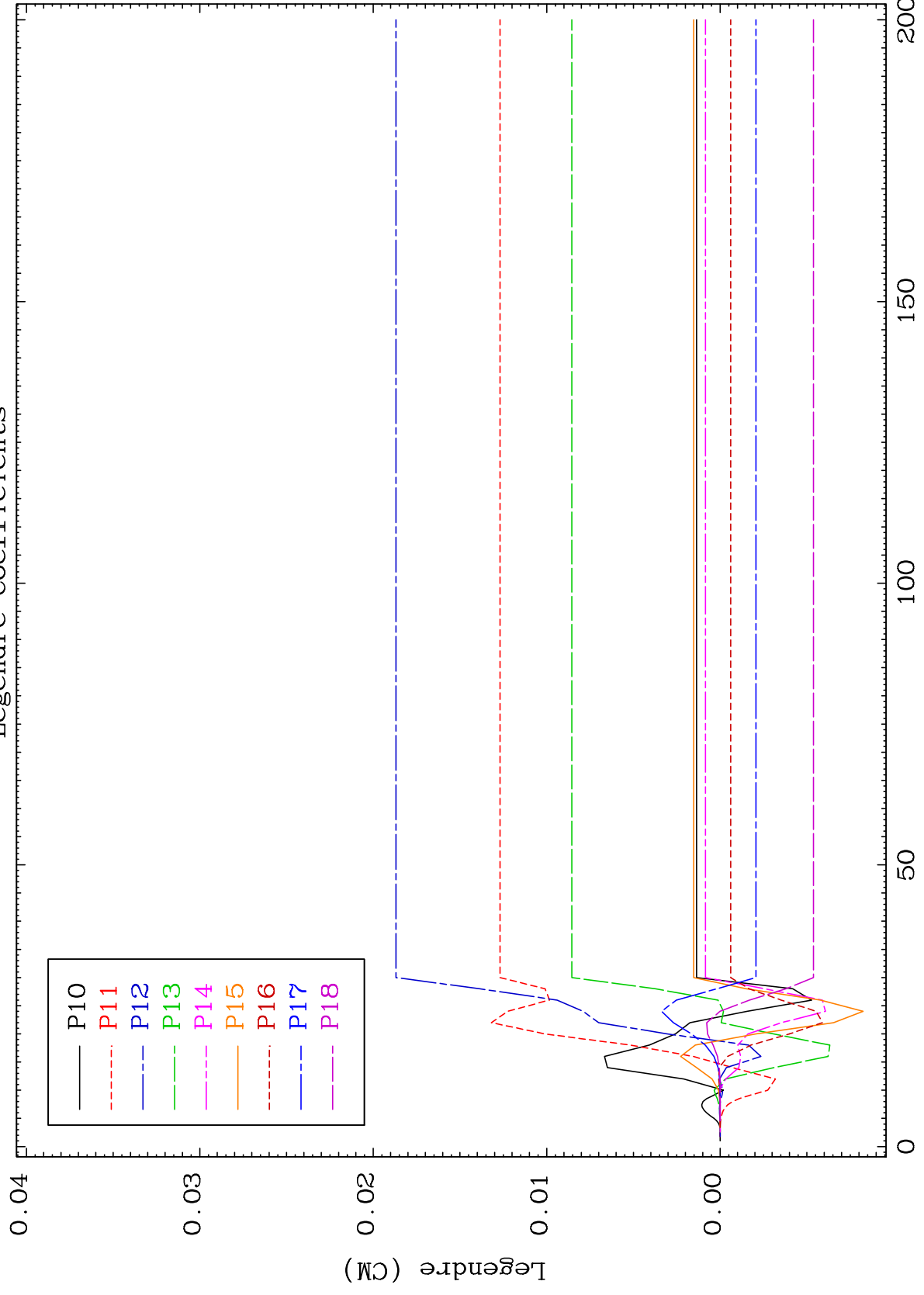


60

Incident Energy (MeV)

69-Tm-159

MAT 6895 MT= 61 (n,n') Level Legendre Coefficients 69-Tm-159

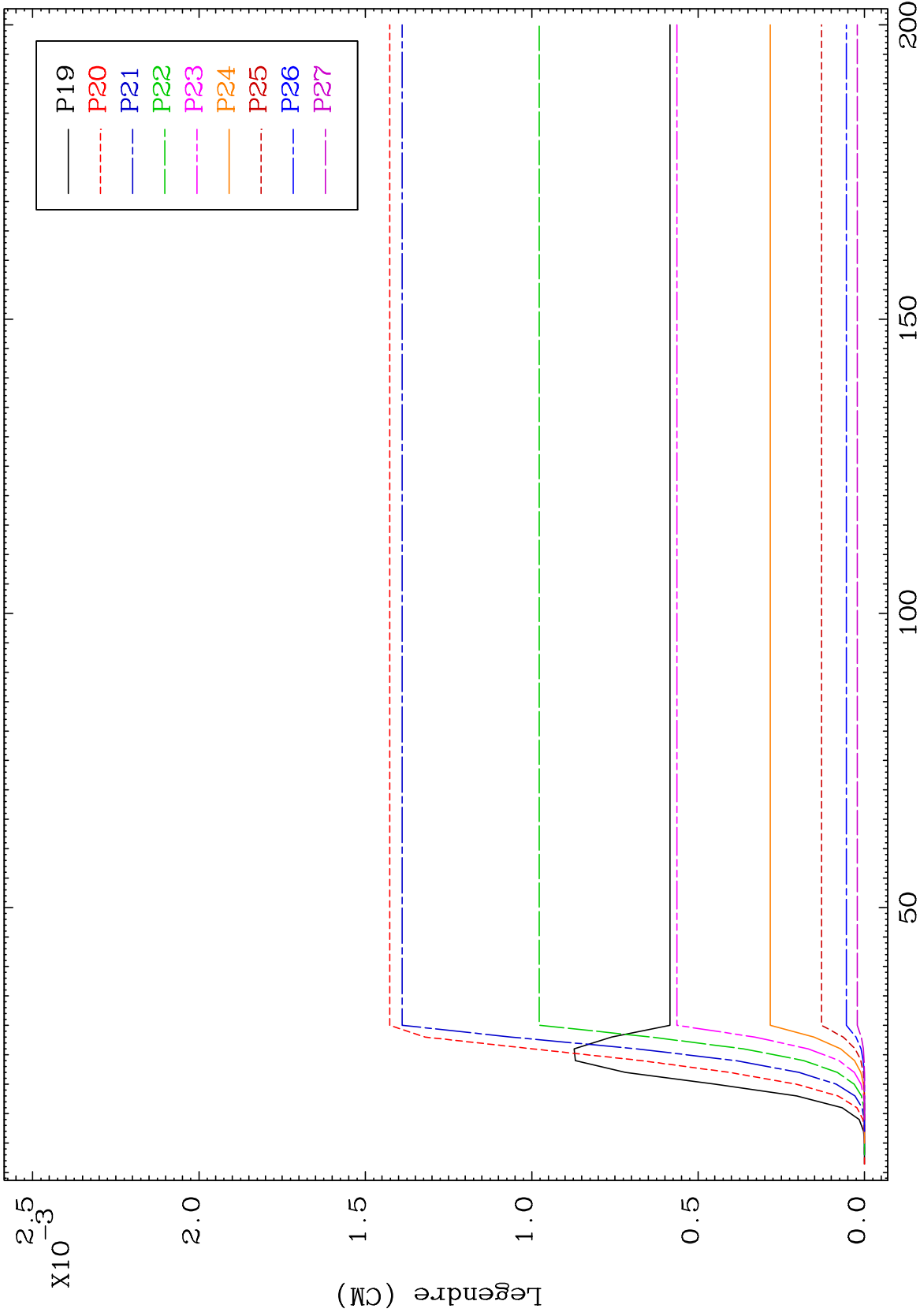


61 Incident Energy (MeV) 69-Tm-159

MAT 6895

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

69-Tm-159



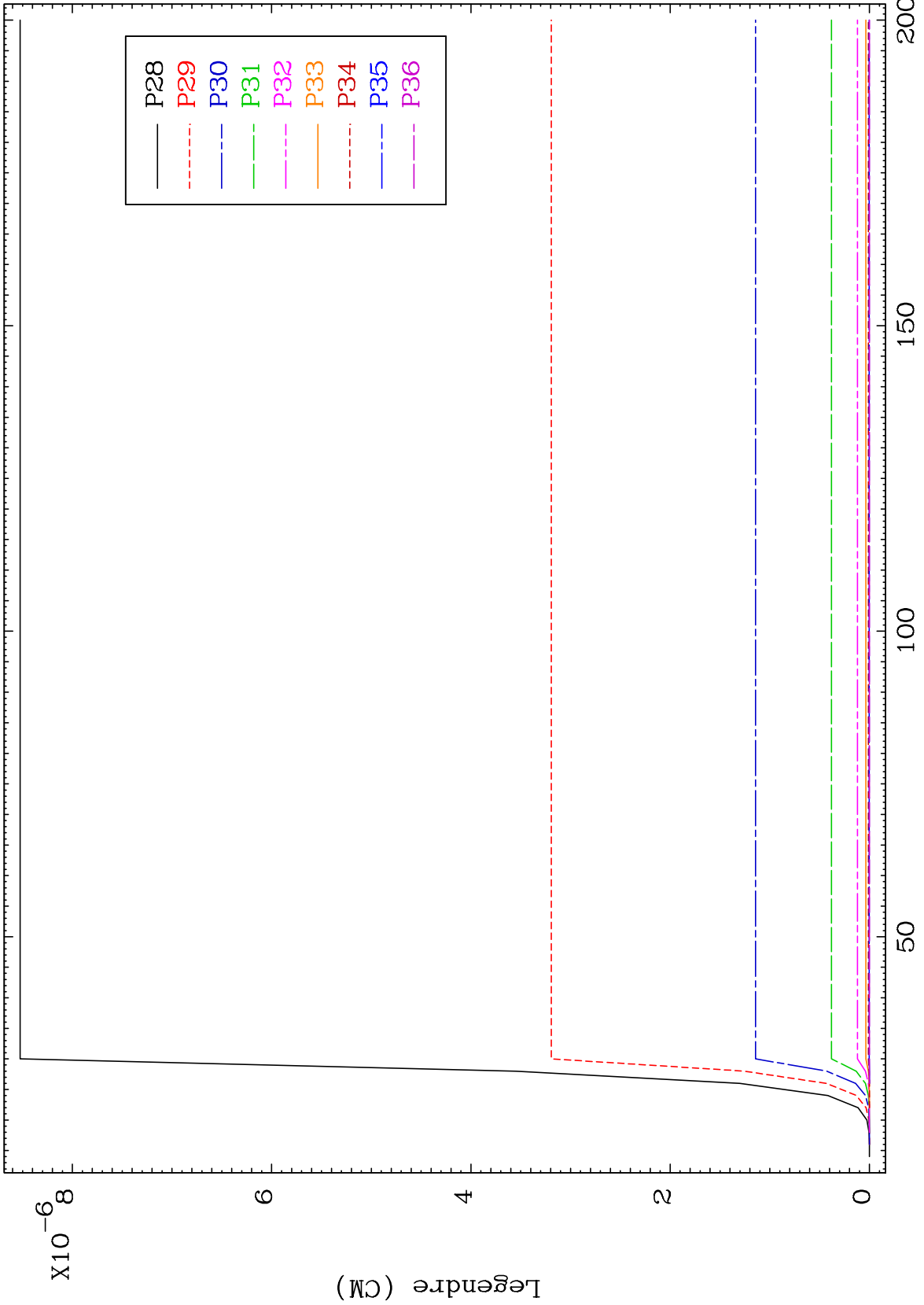
62

69-Tm-159

MAT 6895

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

69-Tm-159



63

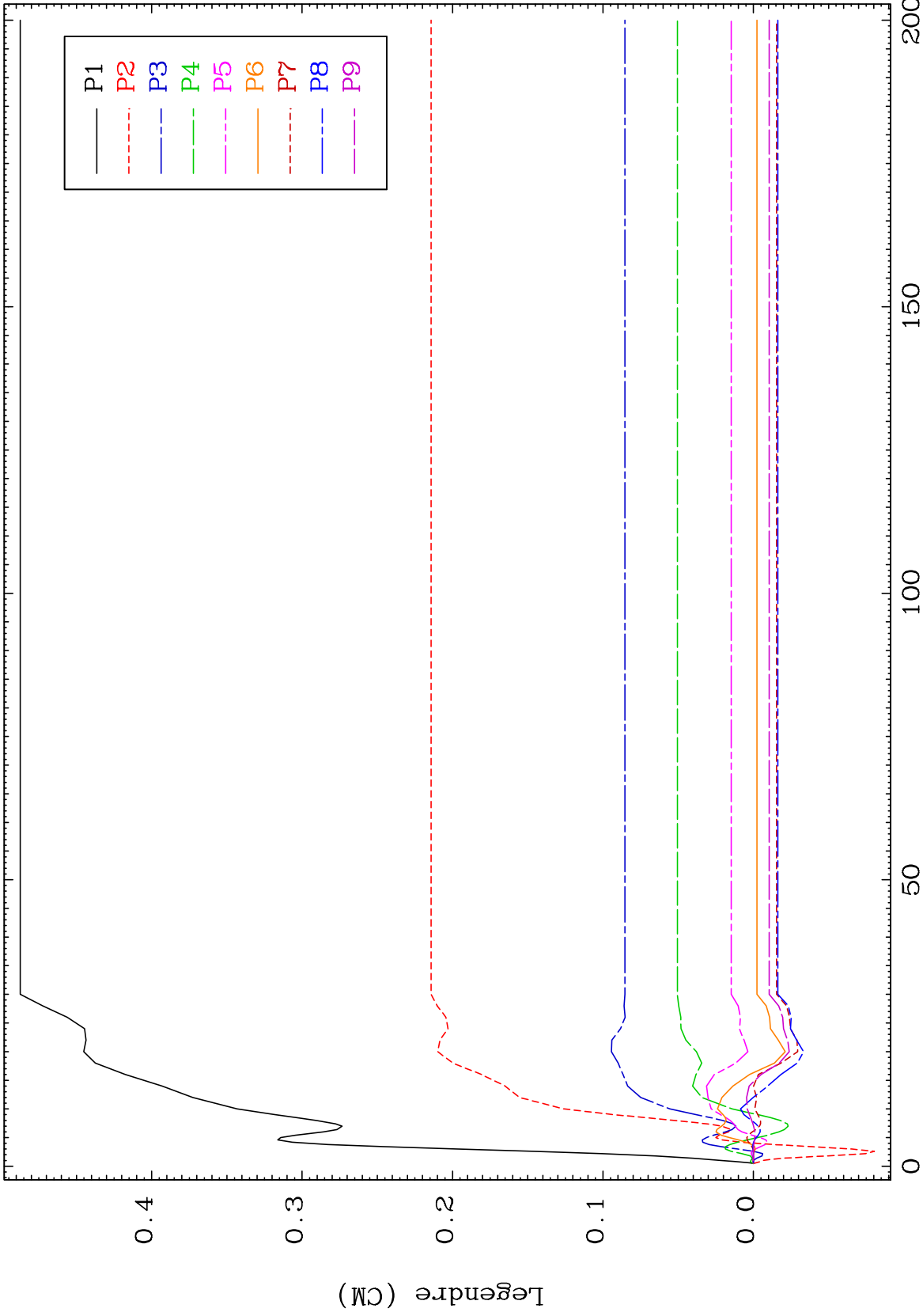
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



64

Incident Energy (MeV)

69-Tm-159

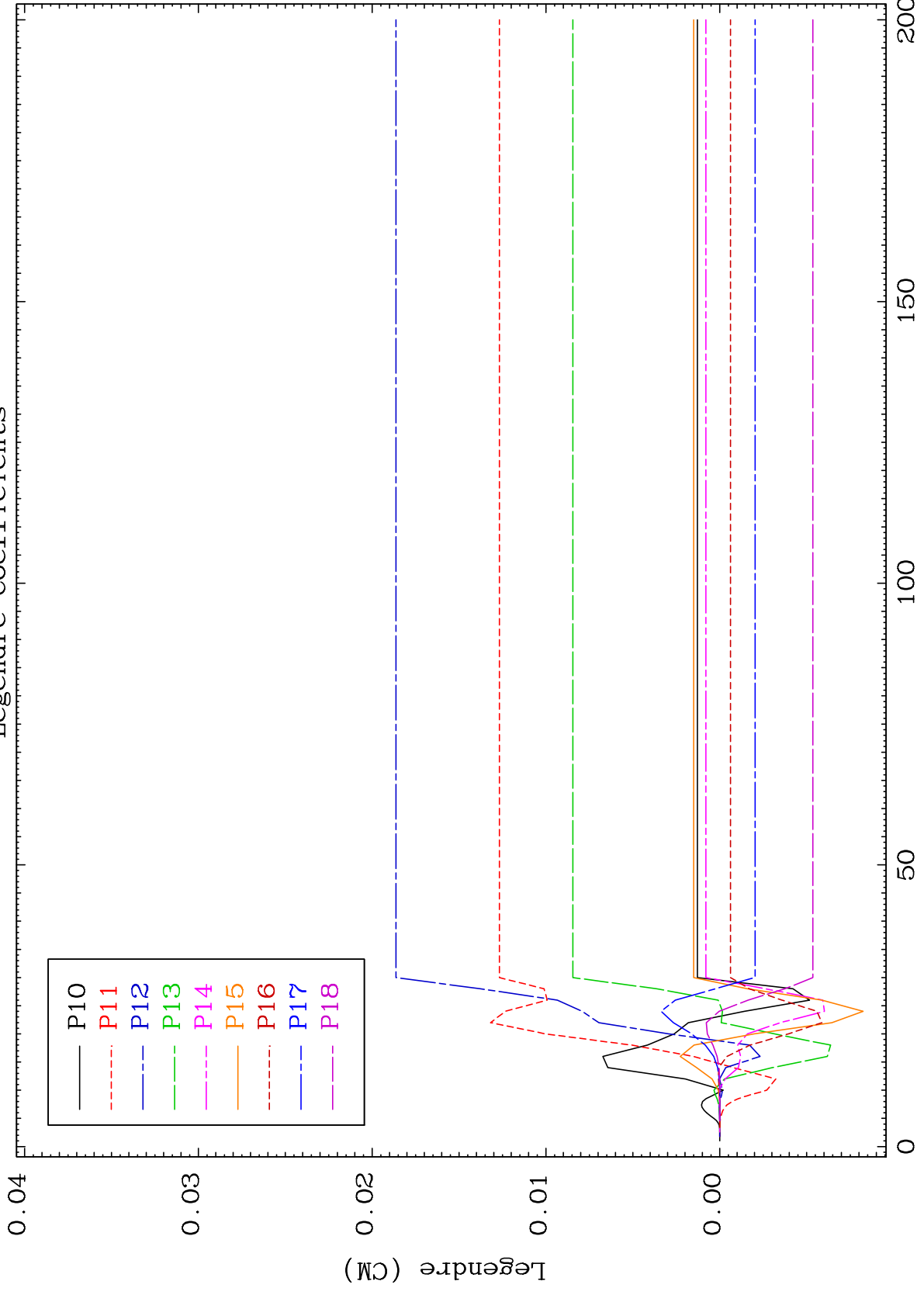
MAT 6895 MT= 62 (n,n') Level Legendre Coefficients

69-Tm-159

69-Tm-159

Incident Energy (MeV)

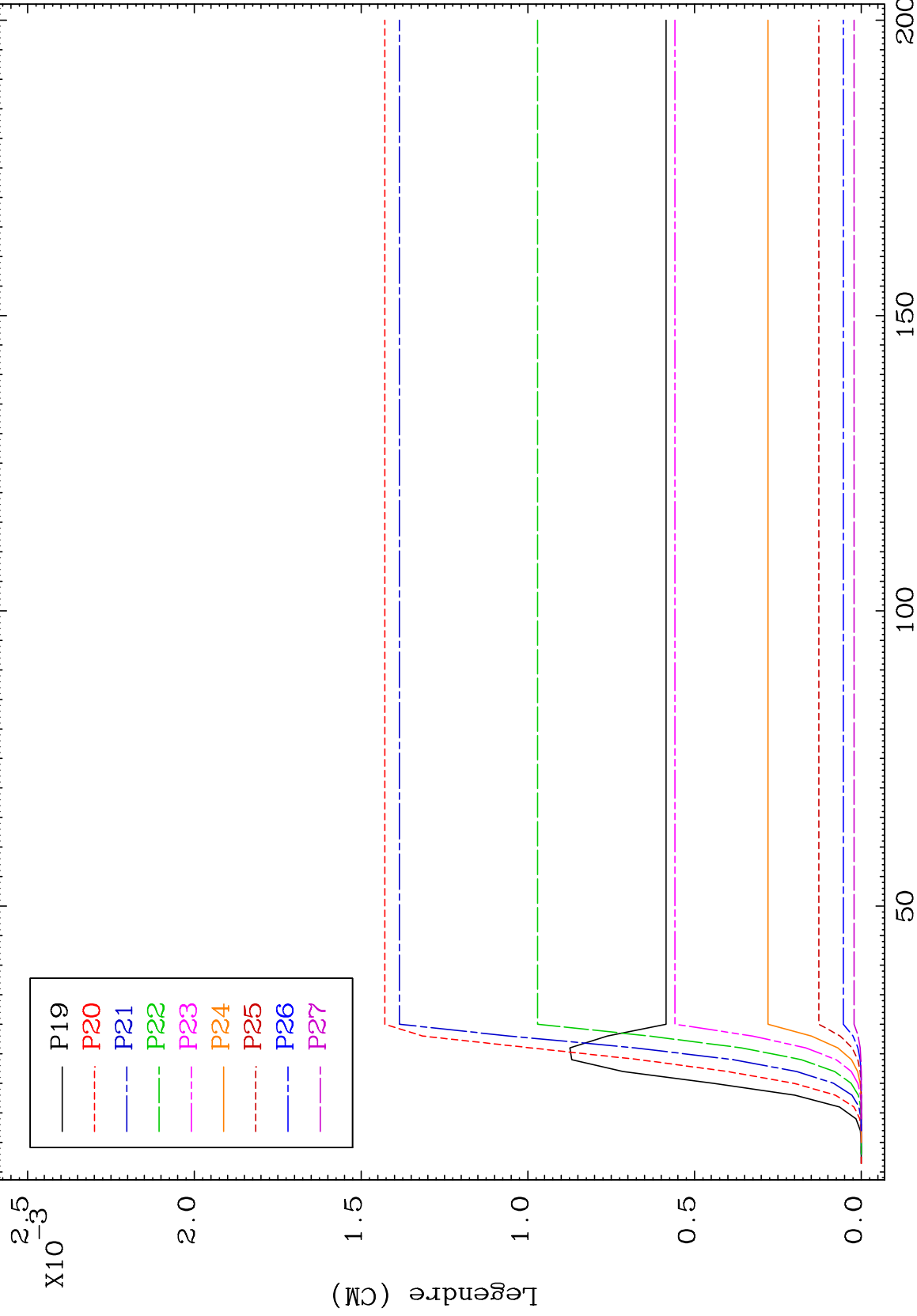
65



MAT 6895

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

69-Tm-159



66

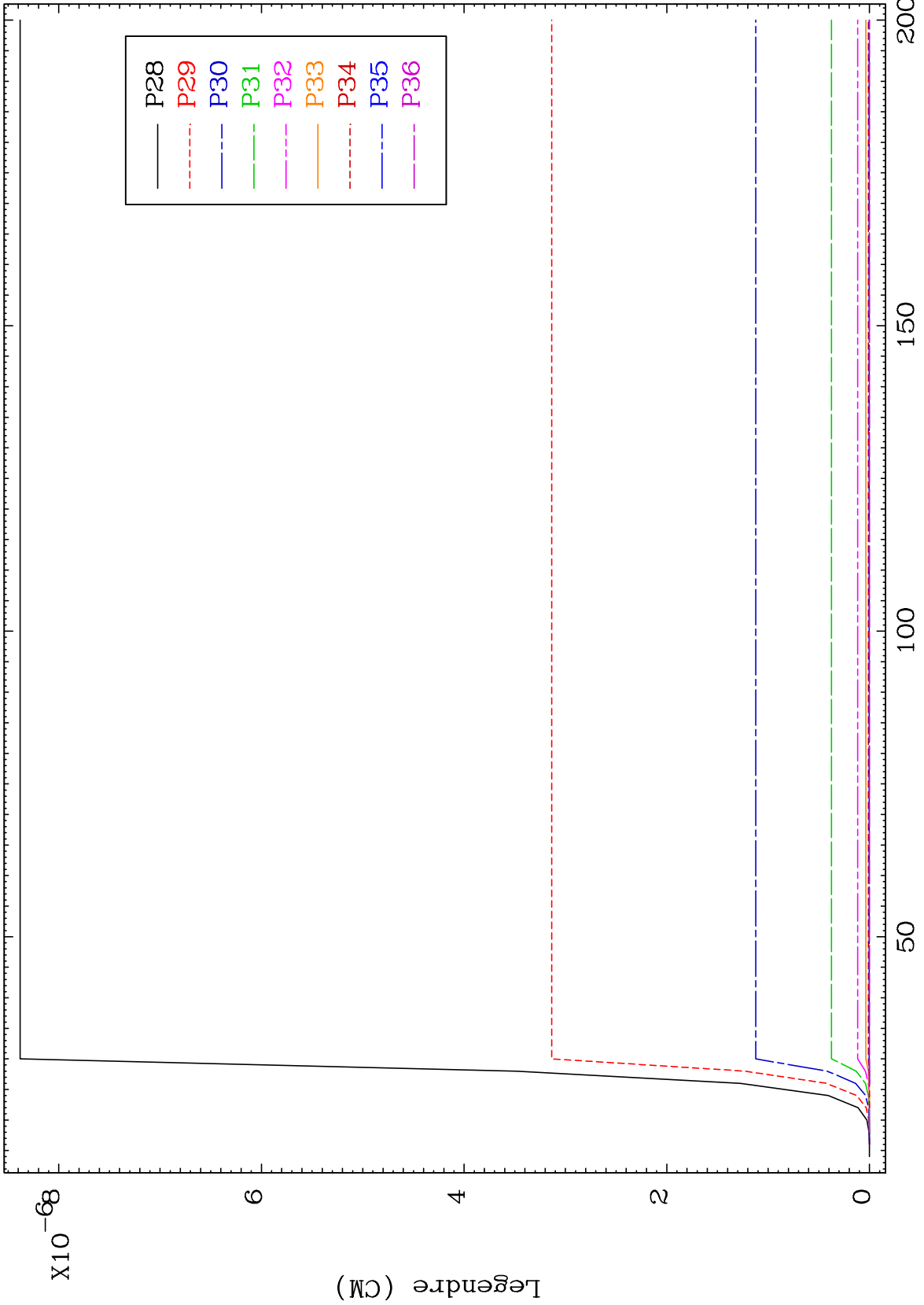
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



67

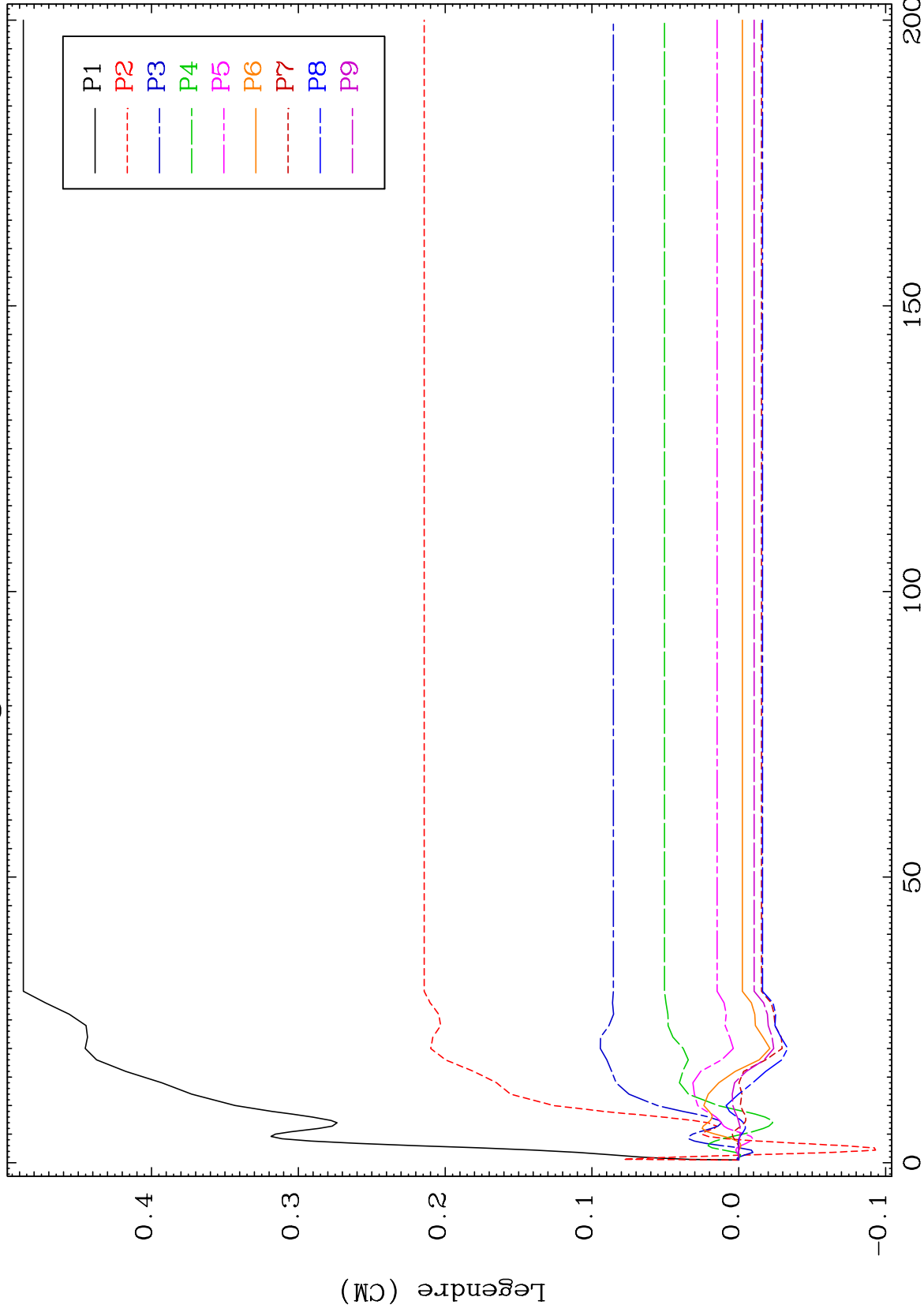
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



68

Incident Energy (MeV)

69-Tm-159

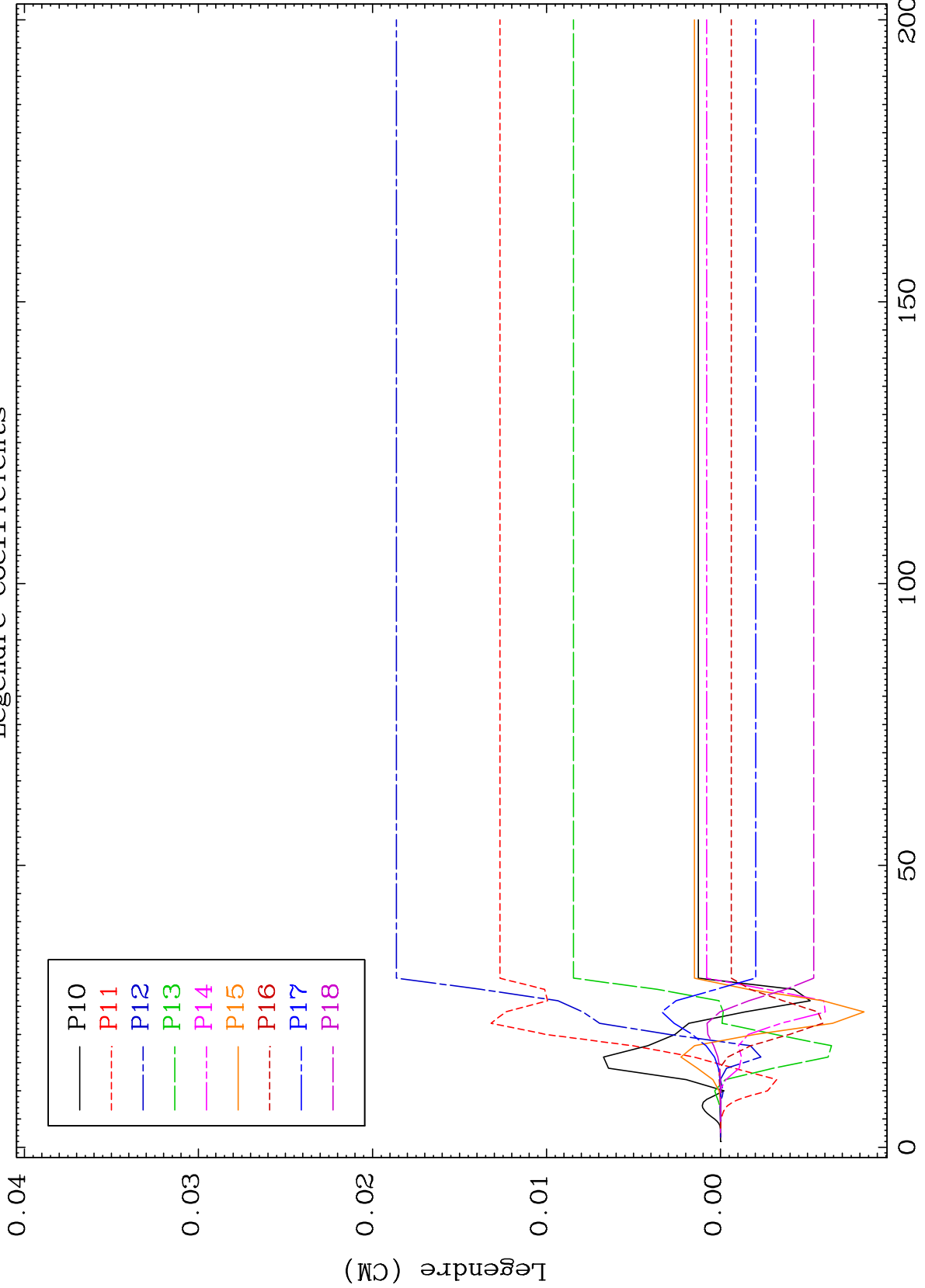
MAT 6895 MT= 63 (n,n') Level Legendre Coefficients

69-Tm-159

69-Tm-159

Incident Energy (MeV)

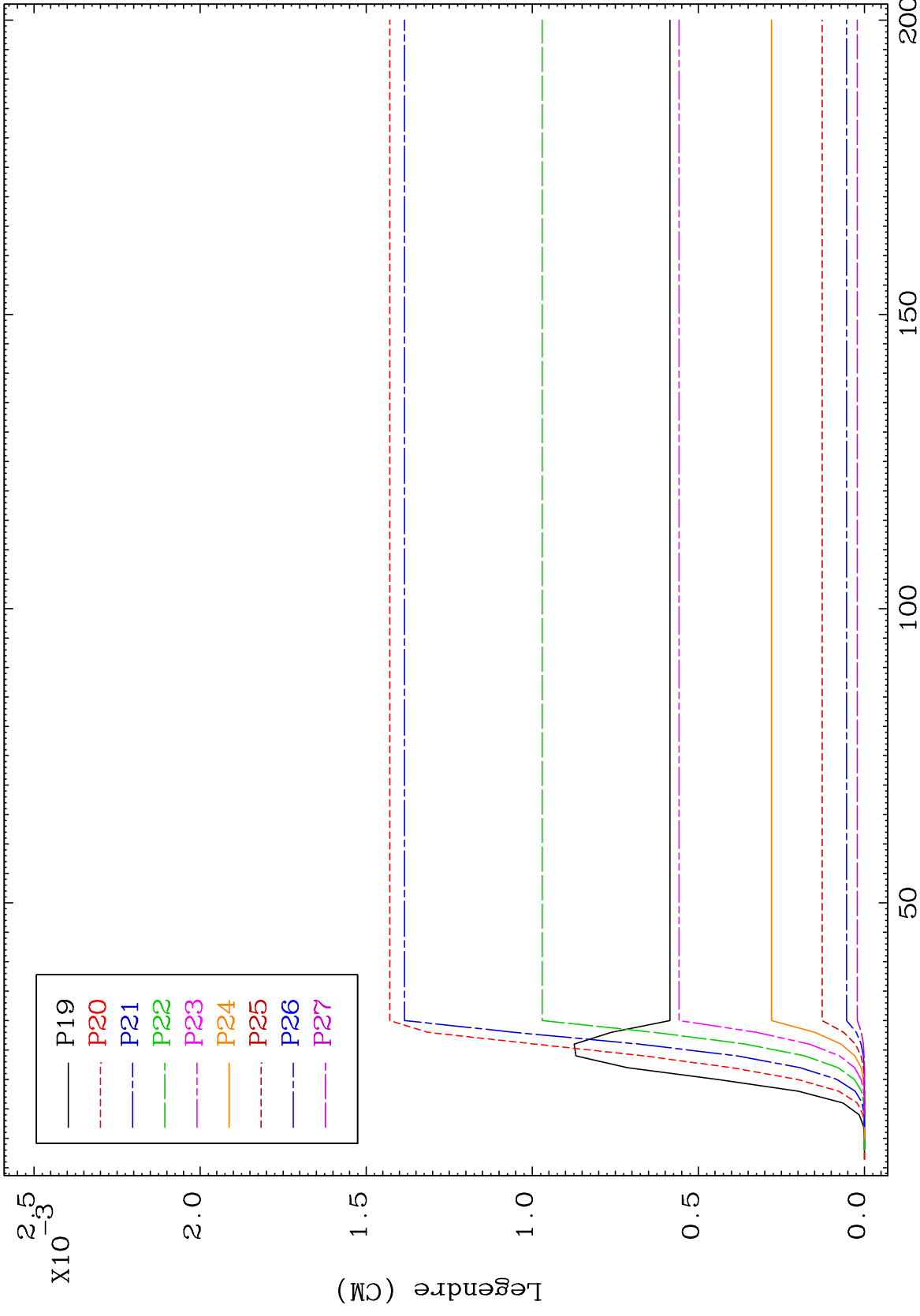
69



MAT 6895

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

69-Tm-159



70

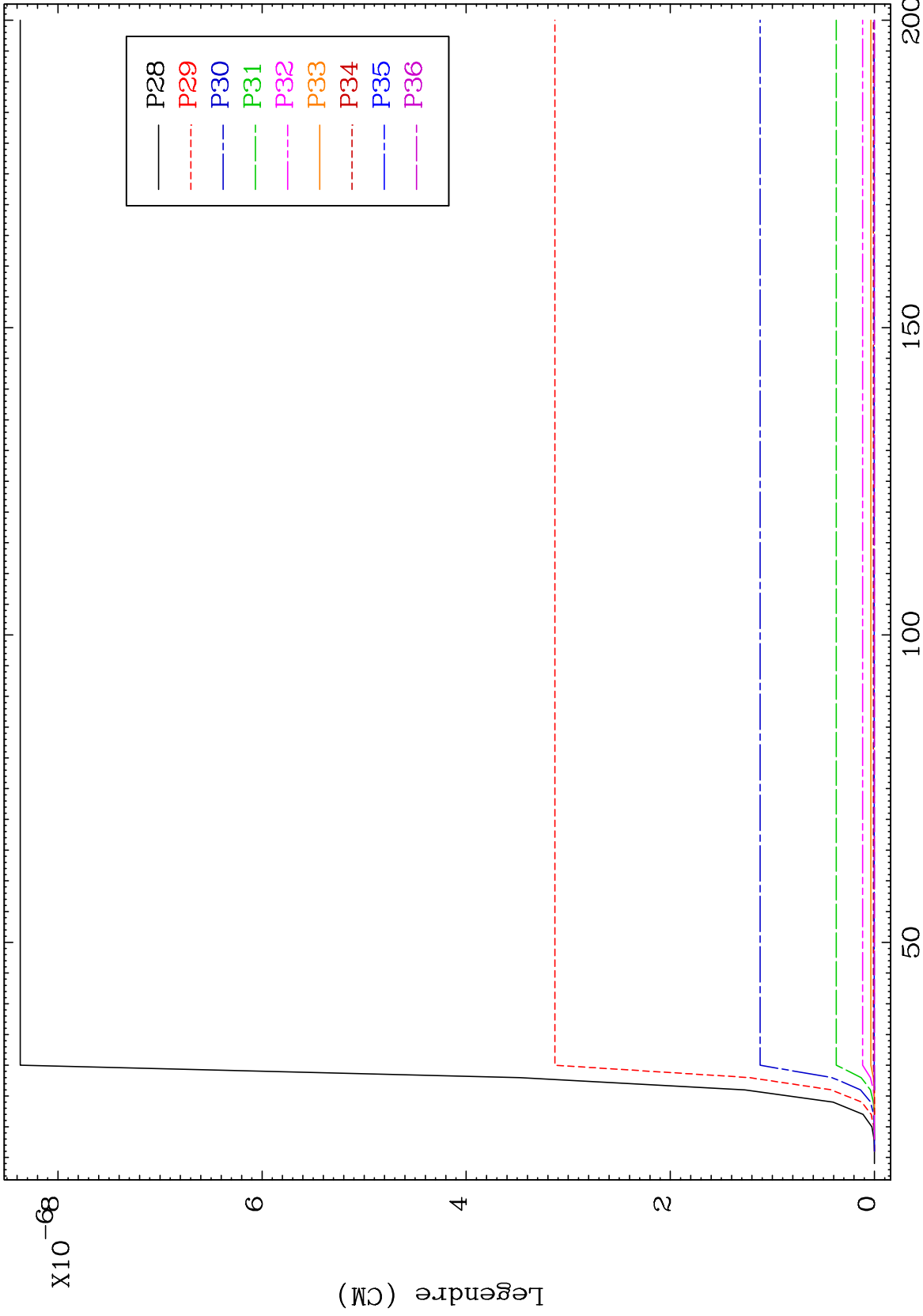
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



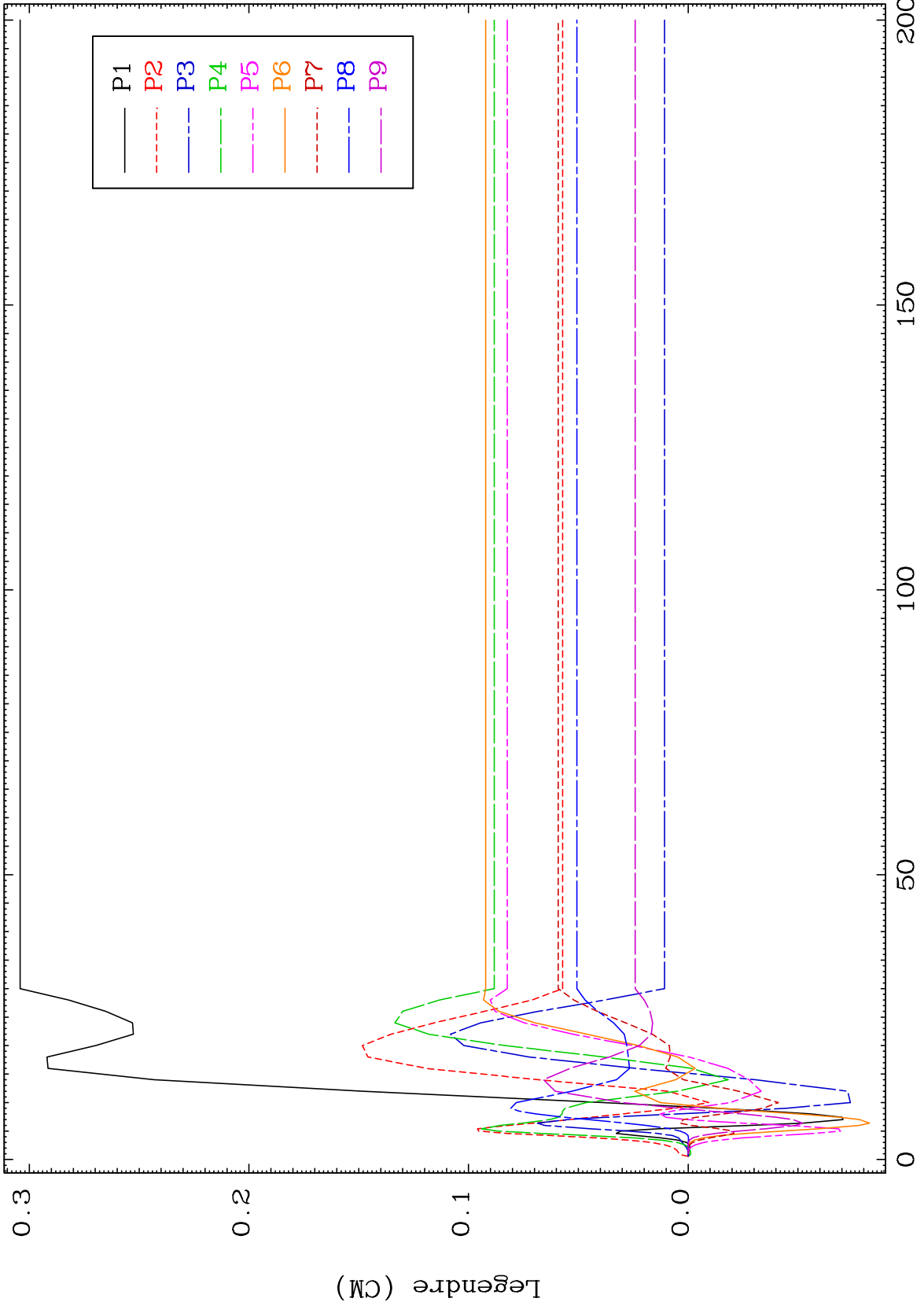
71

69-Tm-159

MAT 6895

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

69-Tm-159



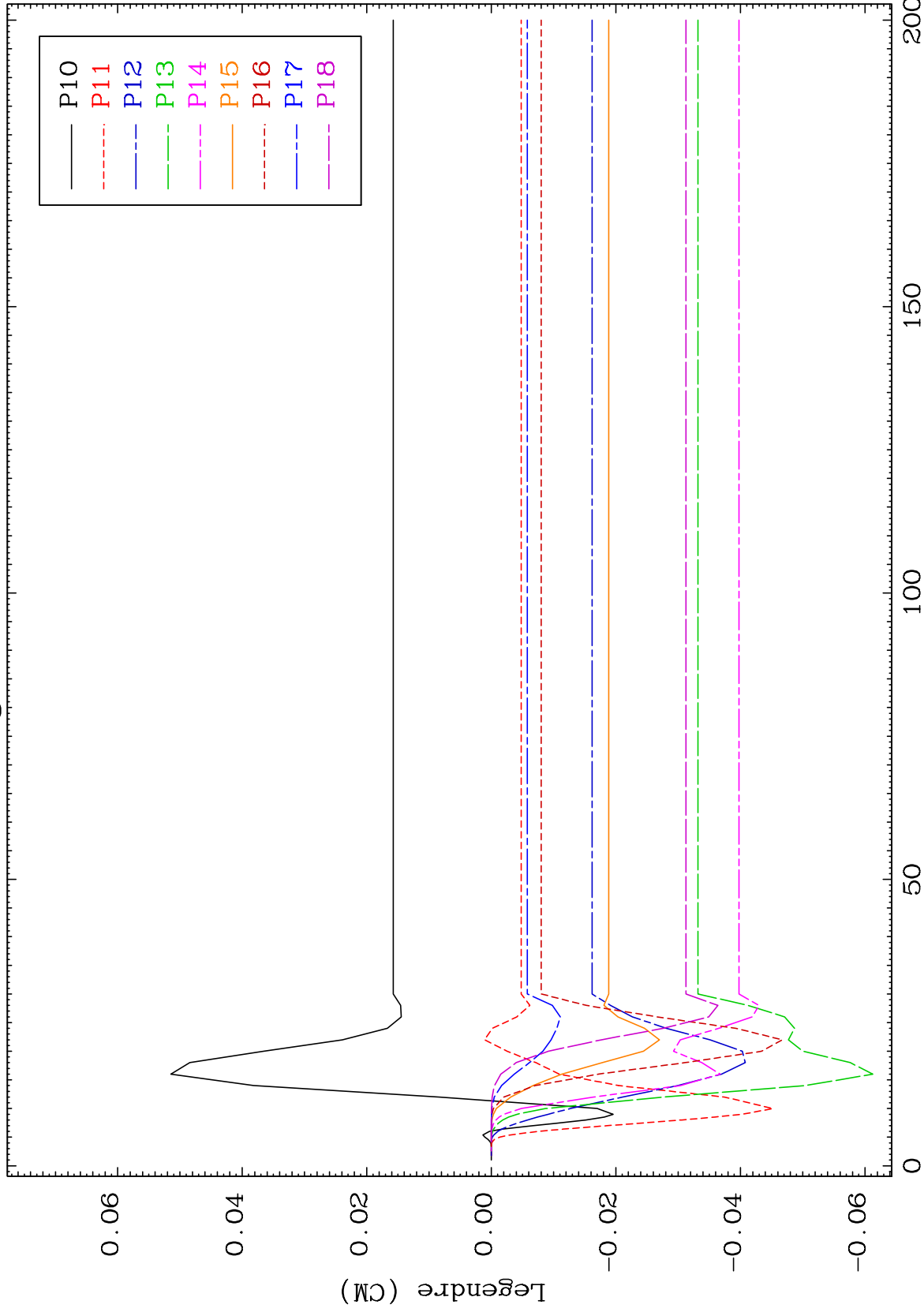
72

69-Tm-159

MAT 6895

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

69-Tm-159



73

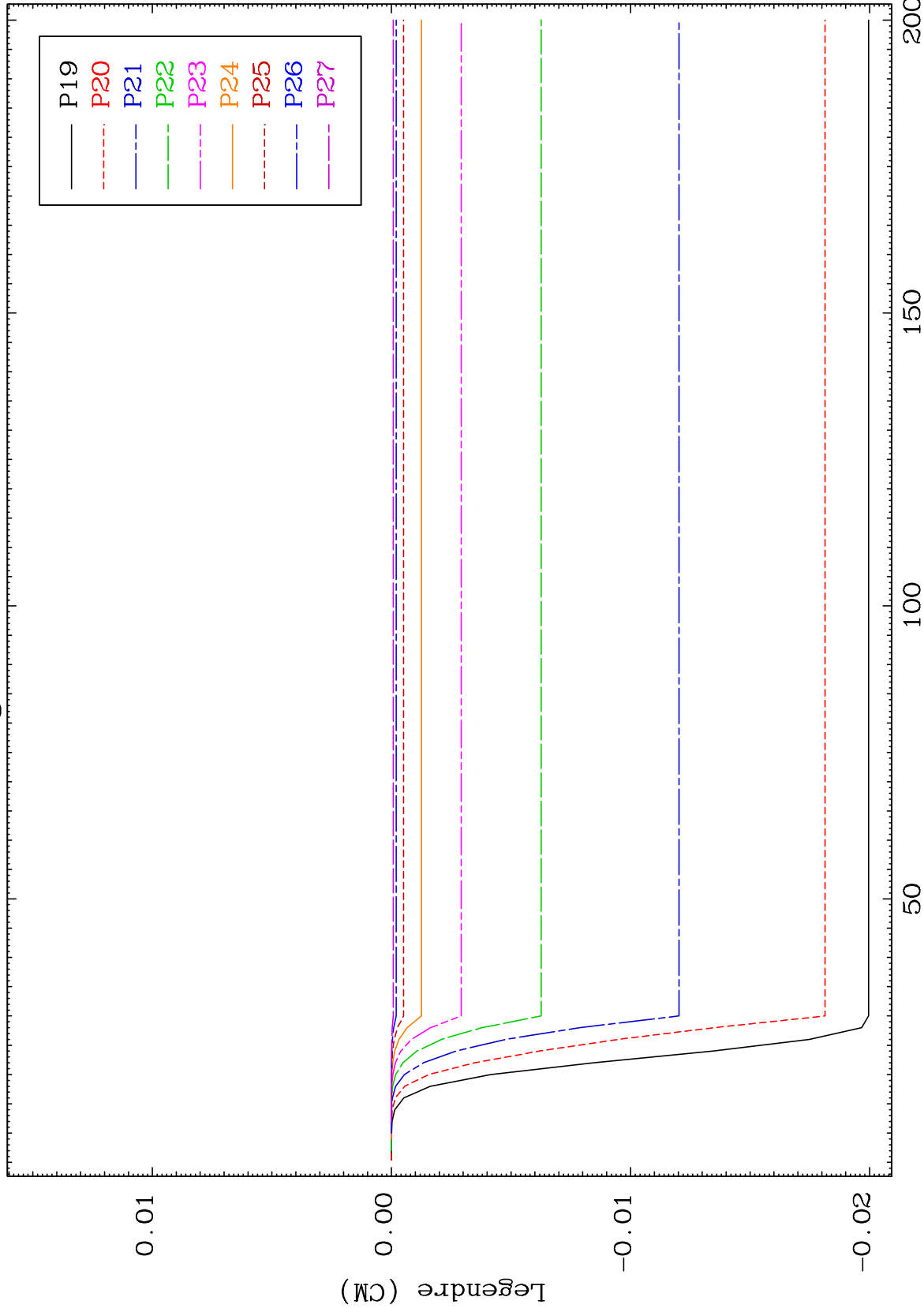
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



74

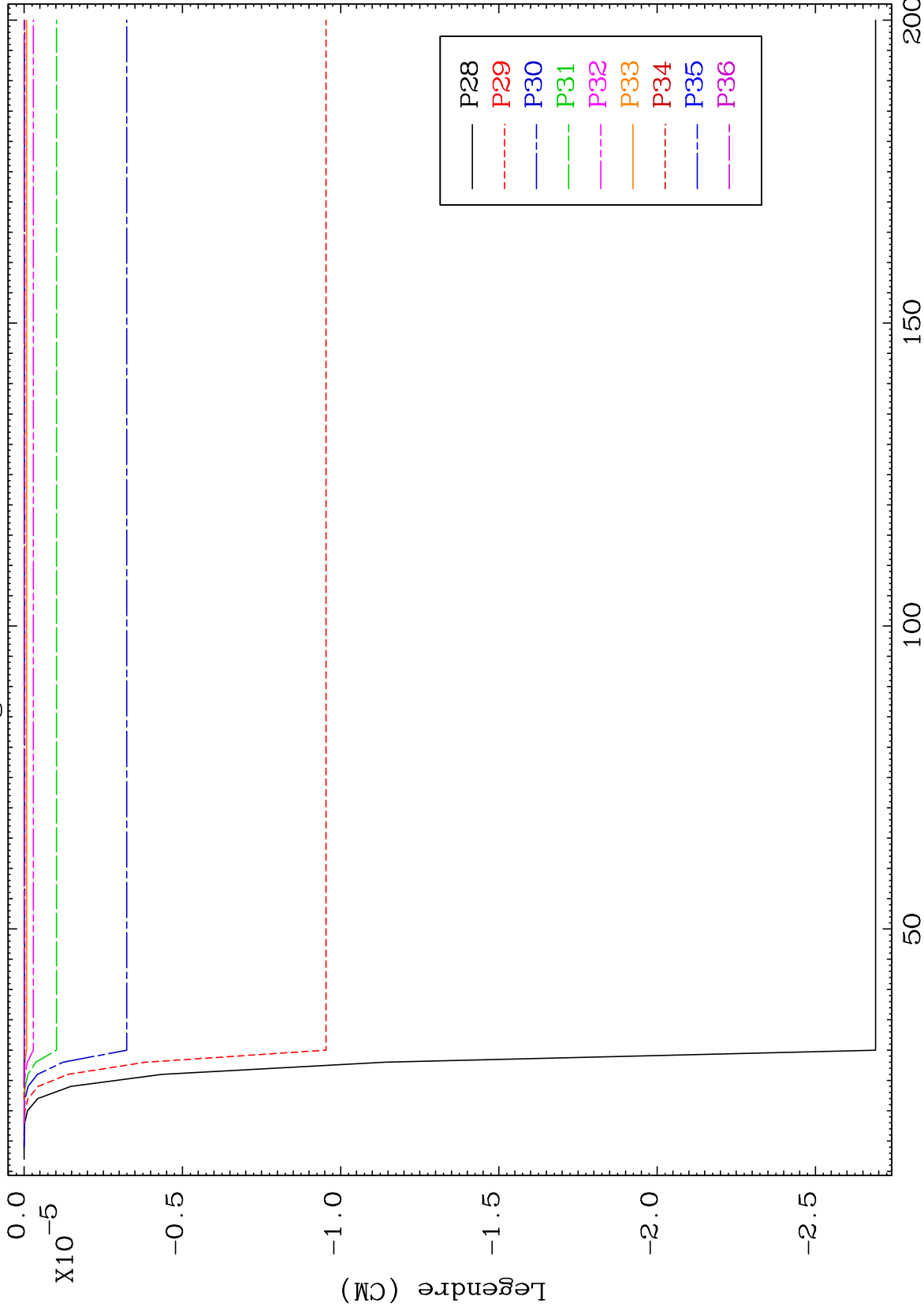
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



69-Tm-159

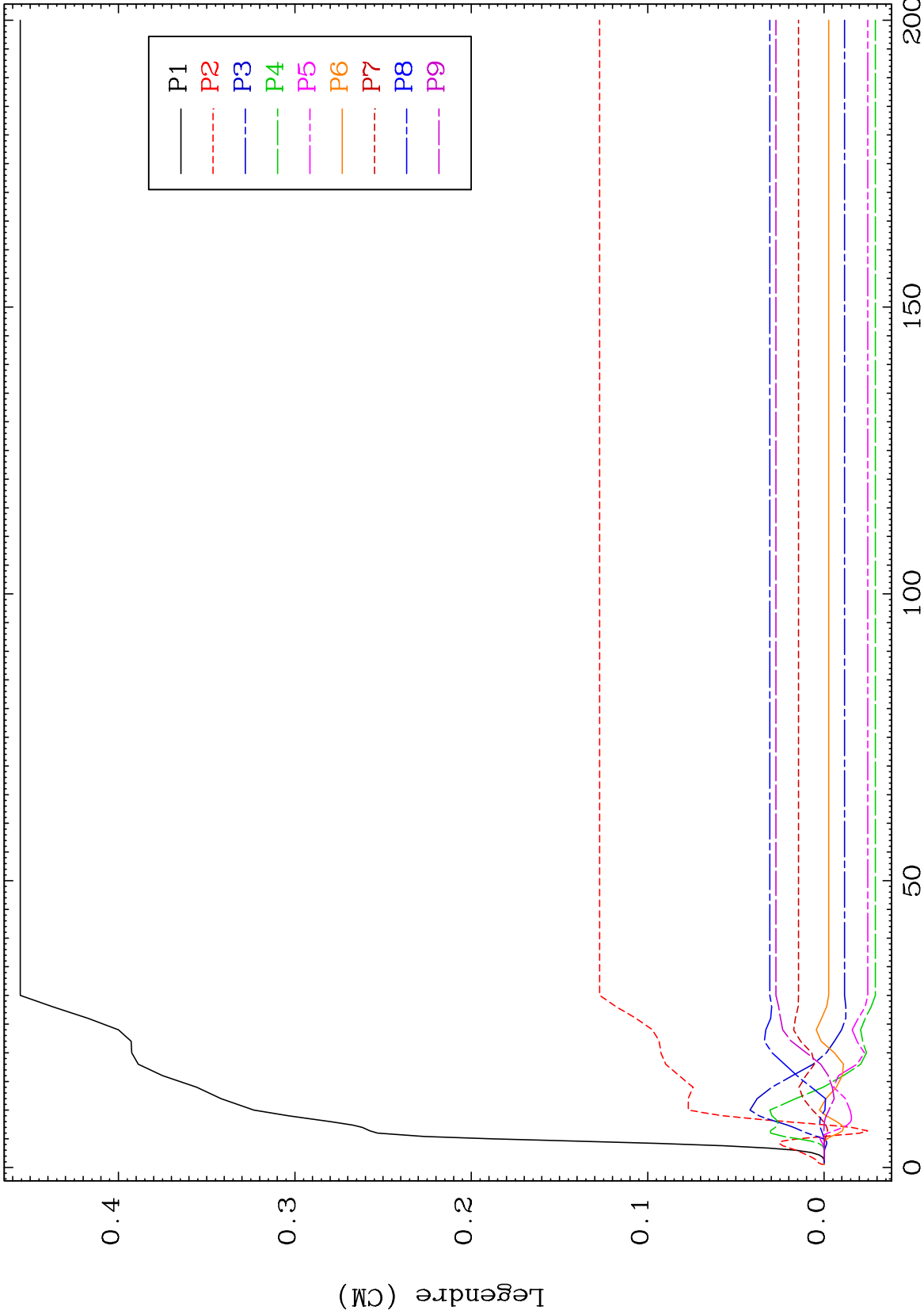
Incident Energy (MeV)

75

MAT 6895

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

69-Tm-159



76

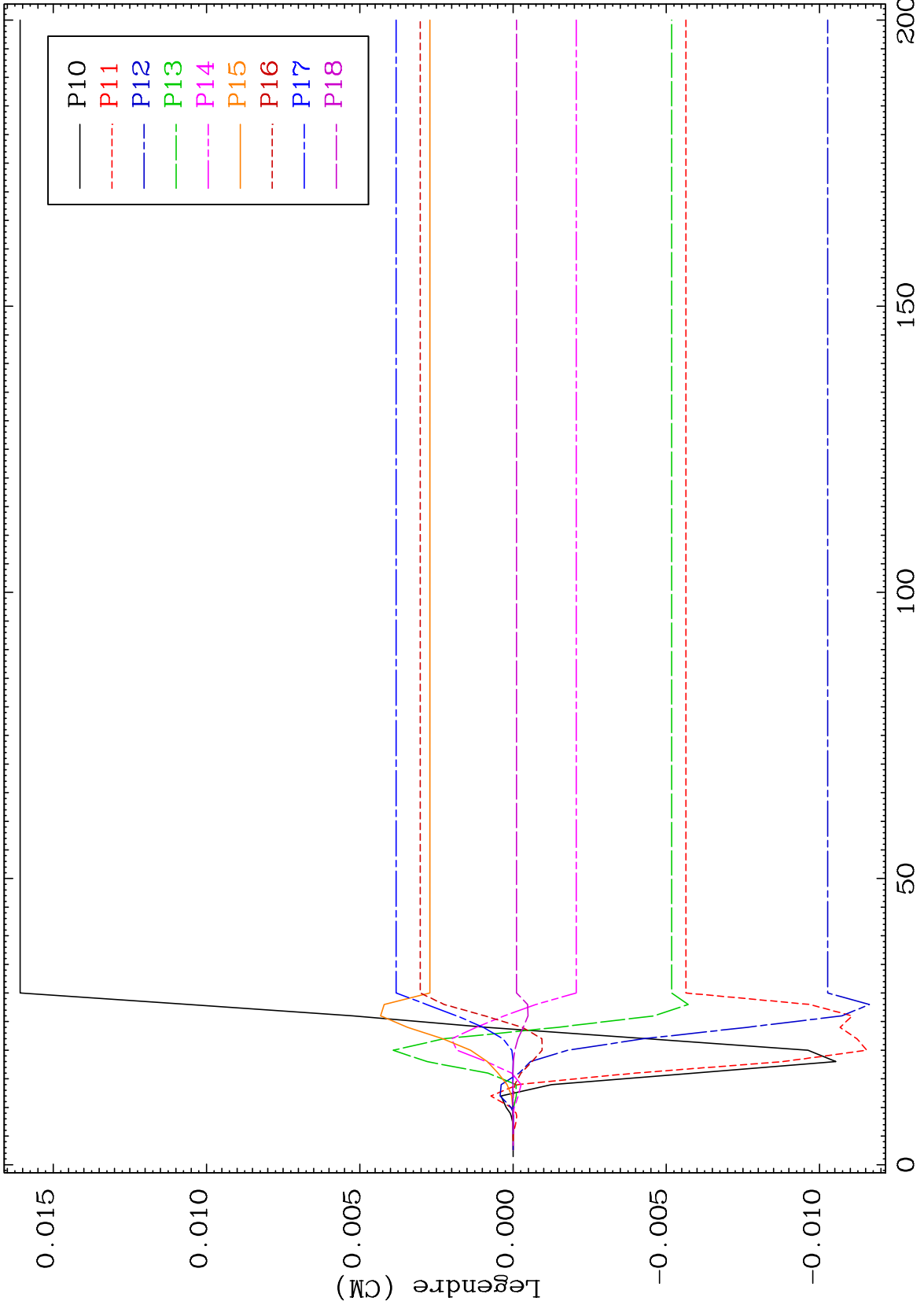
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



77

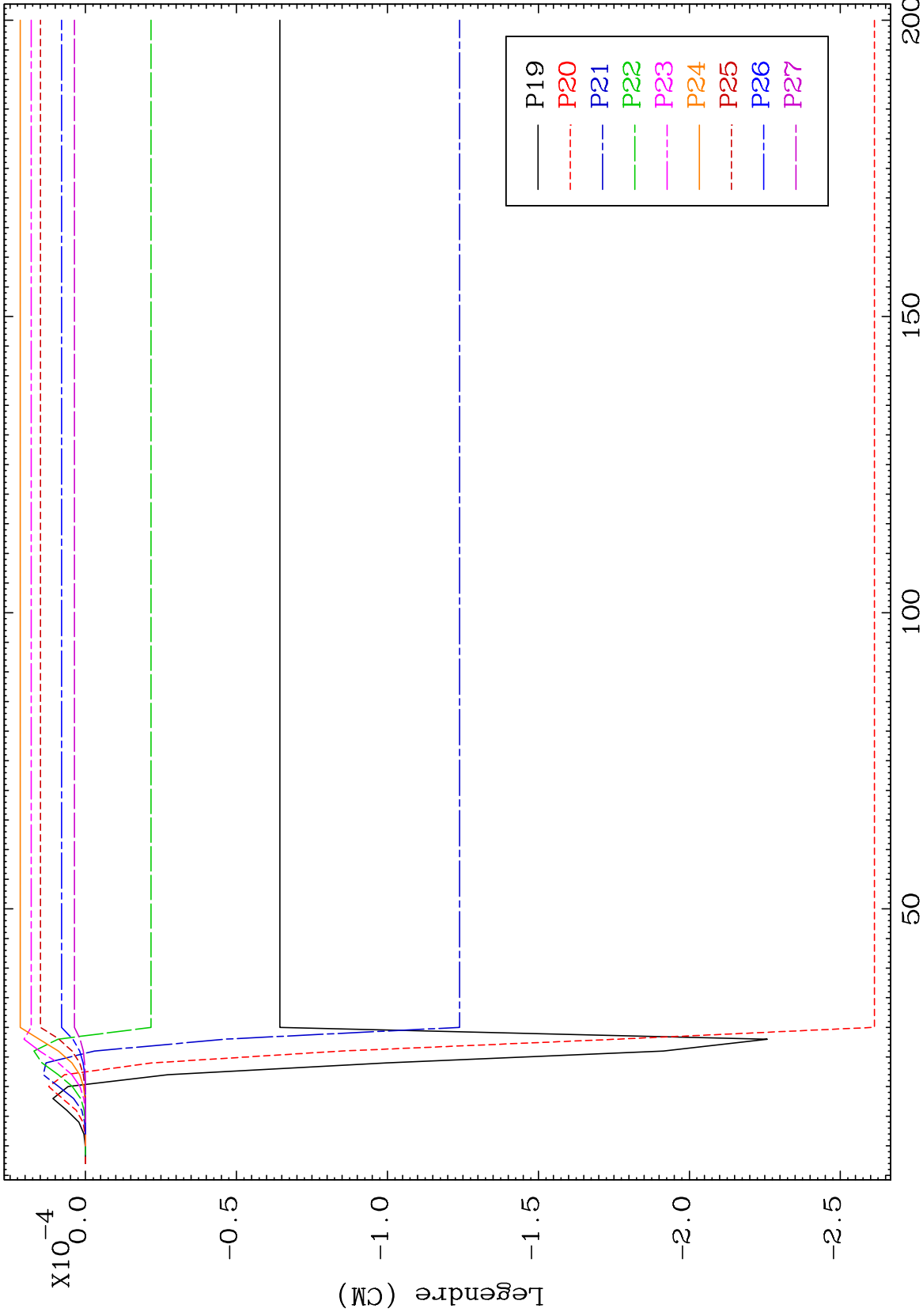
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



69-Tm-159

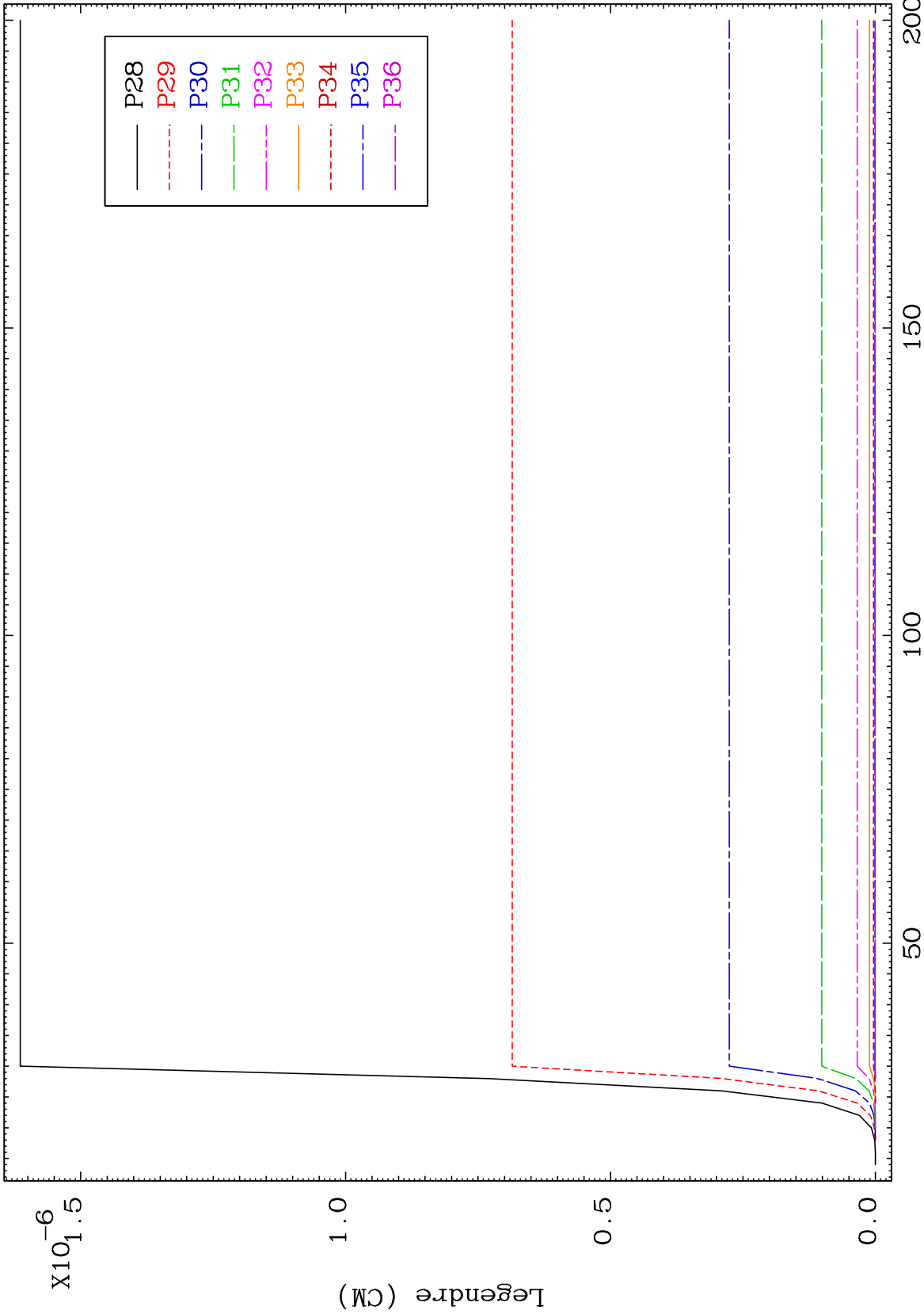
Incident Energy (MeV)

78

MAT 6895

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

69-Tm-159



79

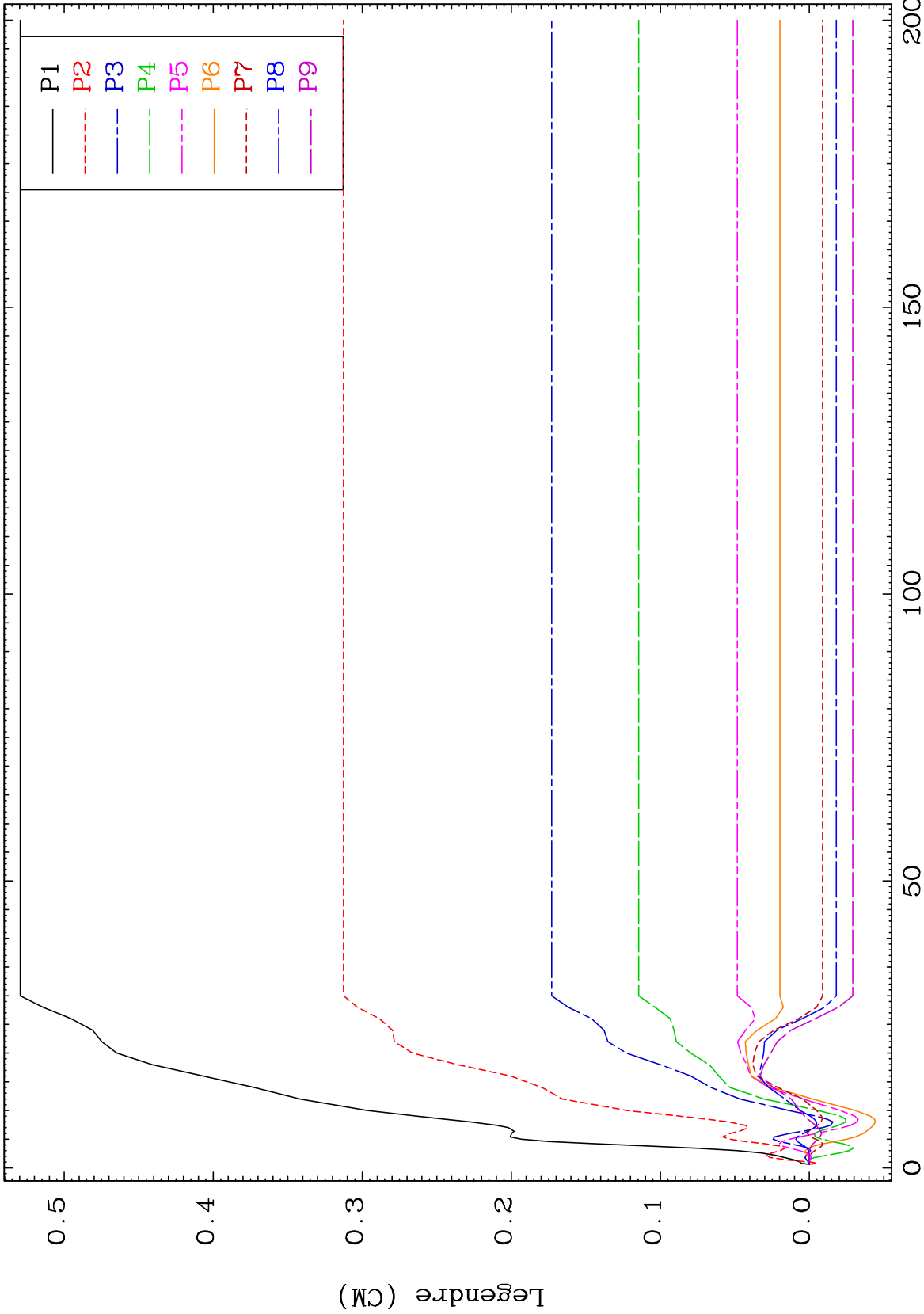
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



80

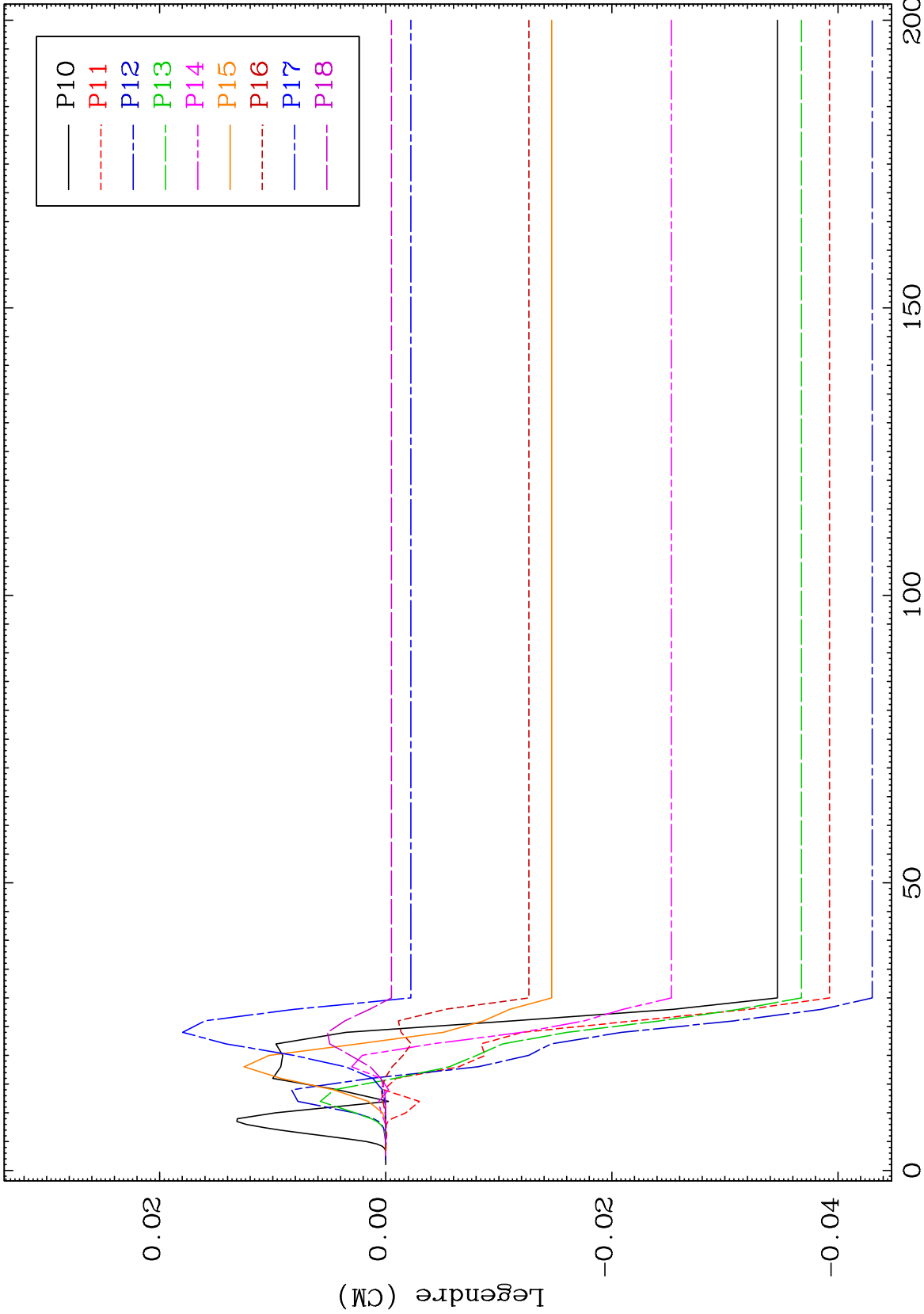
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



81

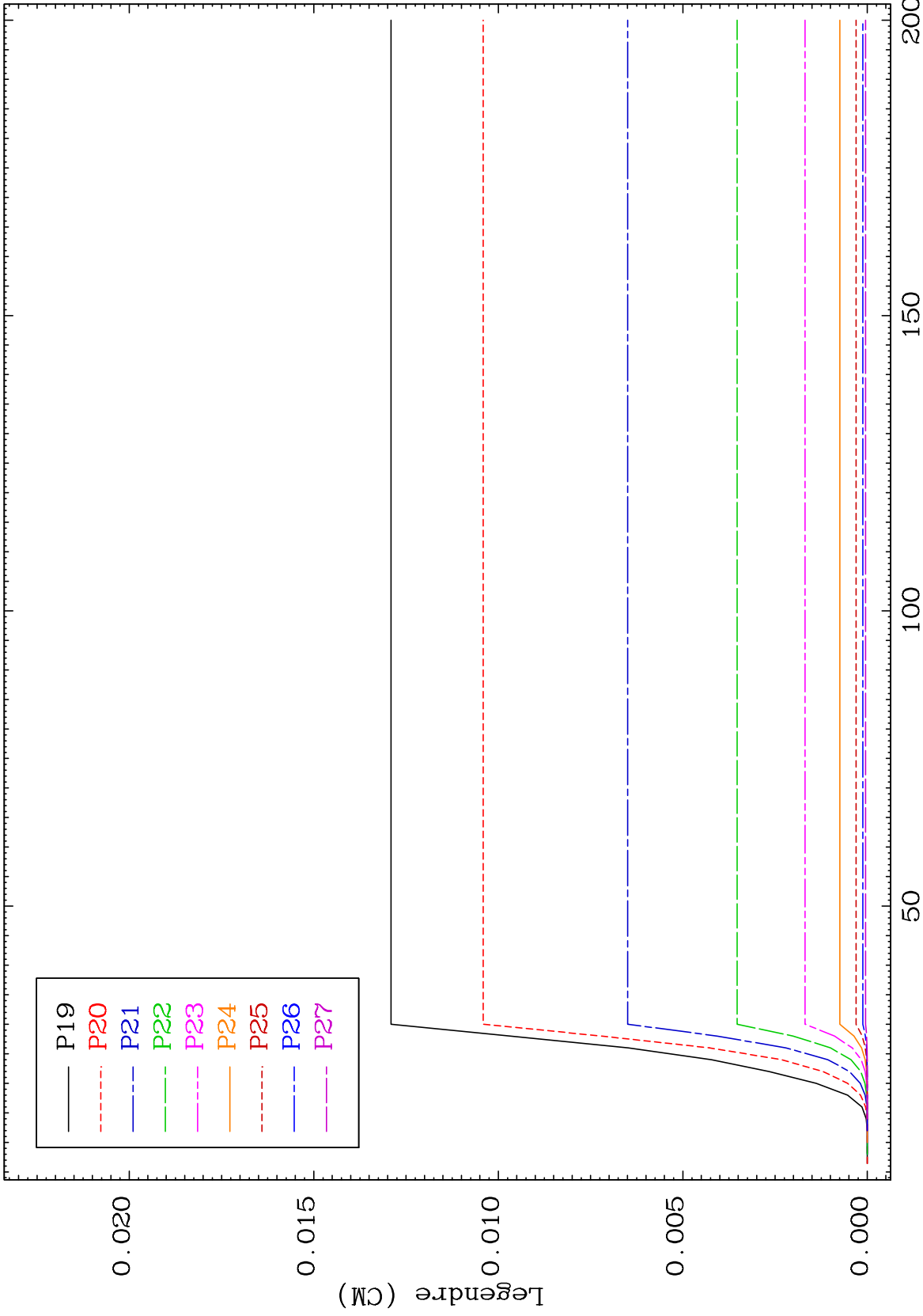
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



82

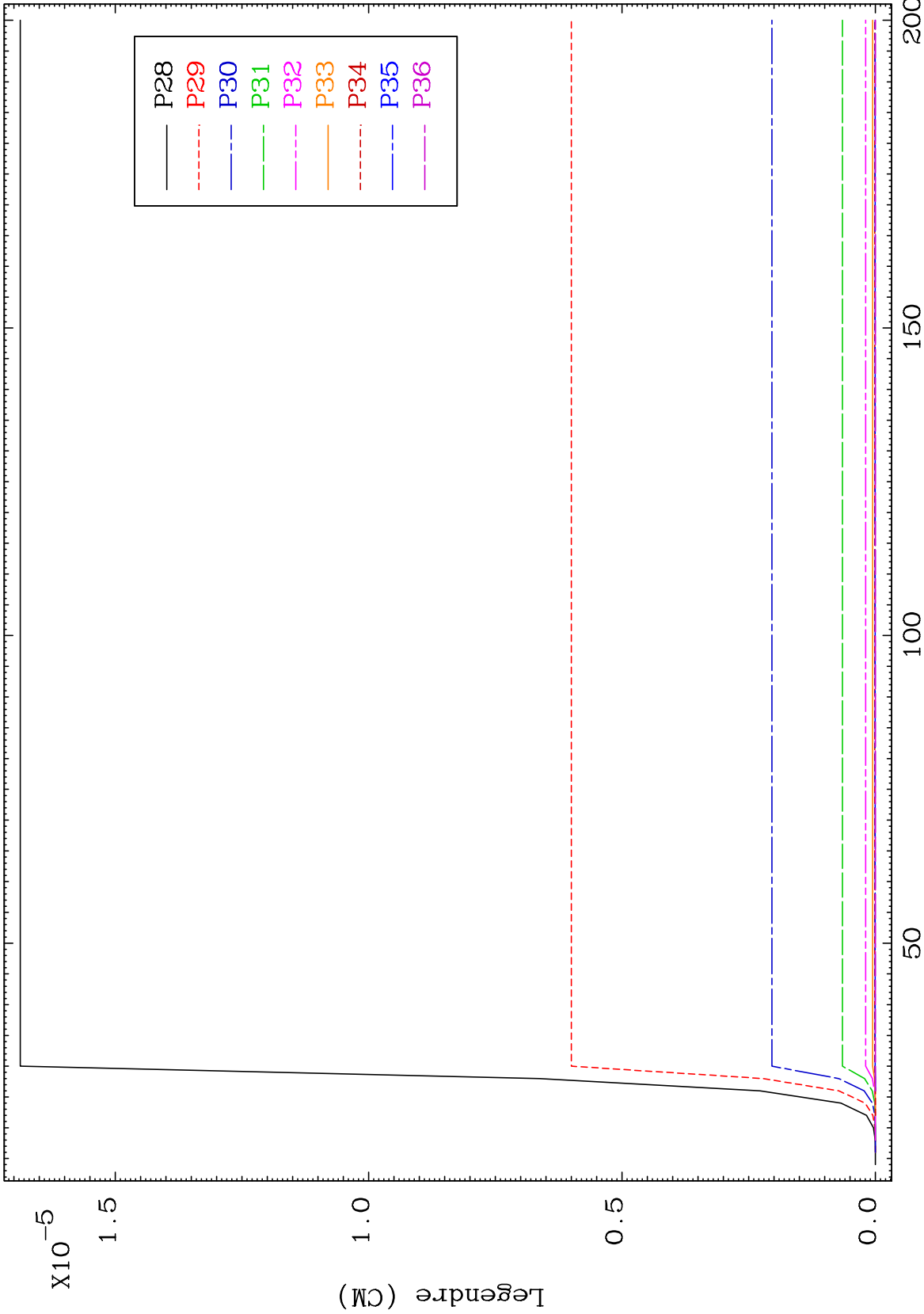
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

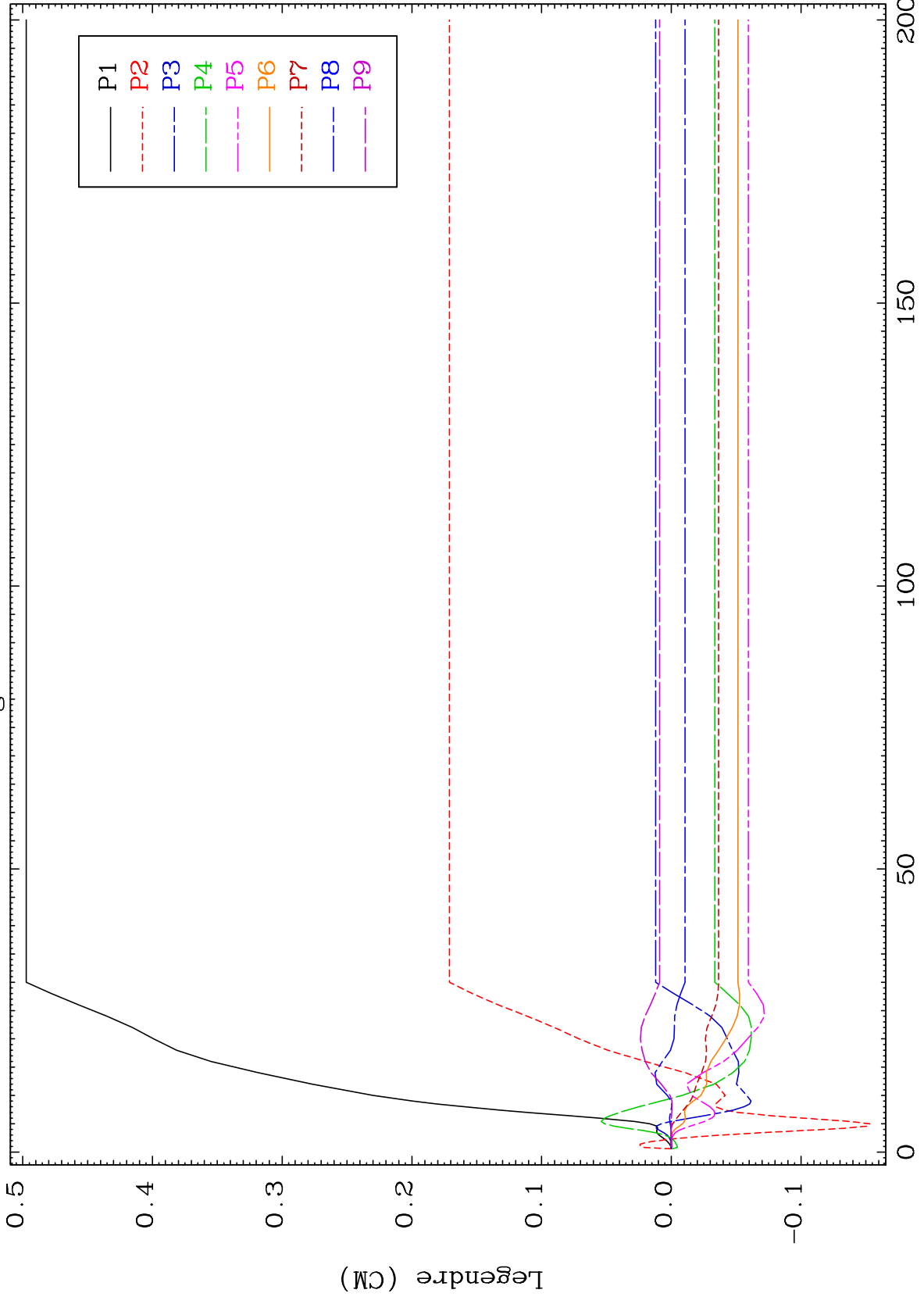
69-Tm-159



83

69-Tm-159

MAT 6895 MT= 67 (n,n') Level Legendre Coefficients 69-Tm-159

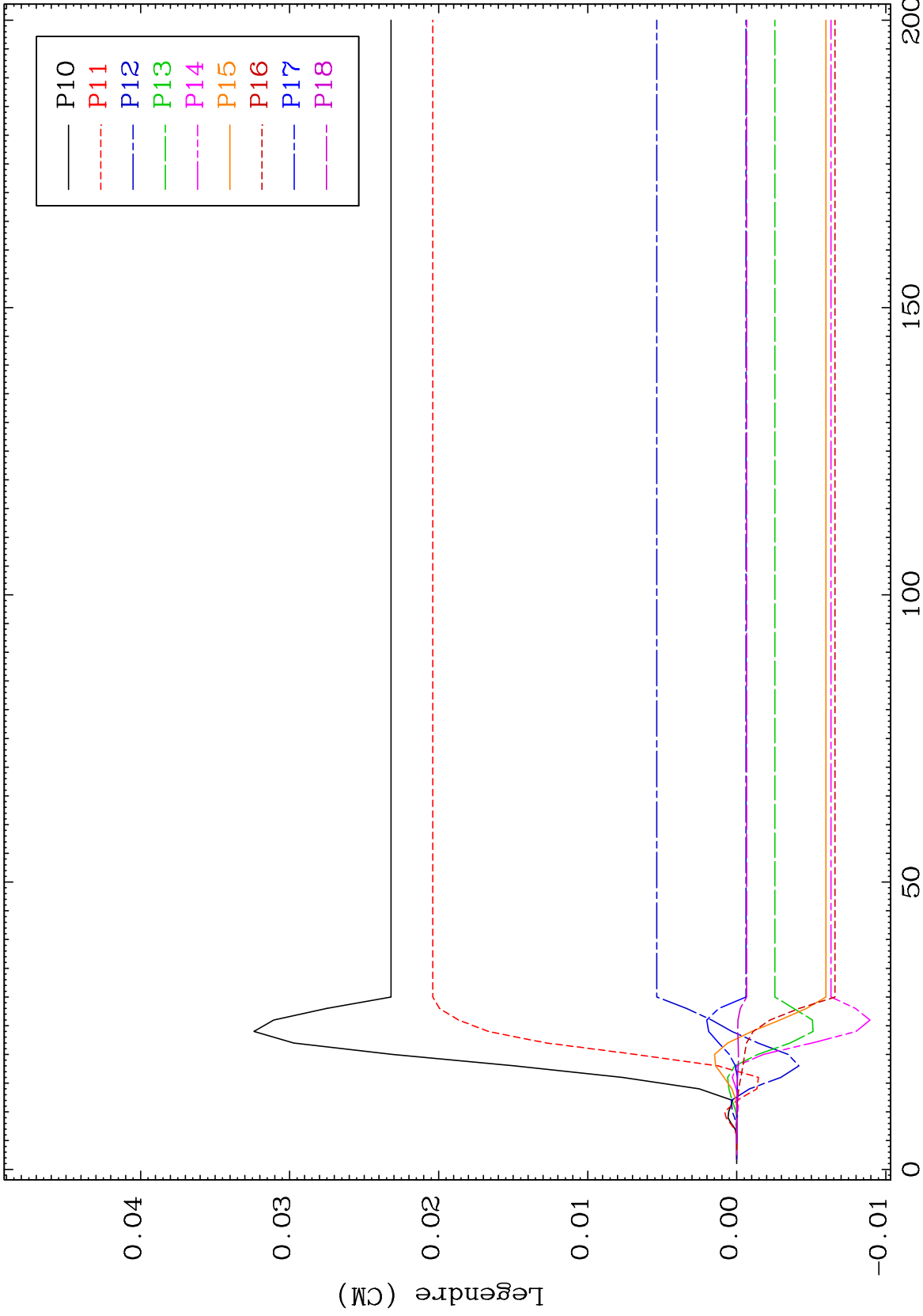


84 69-Tm-159

MAT 6895

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

69-Tm-159



85

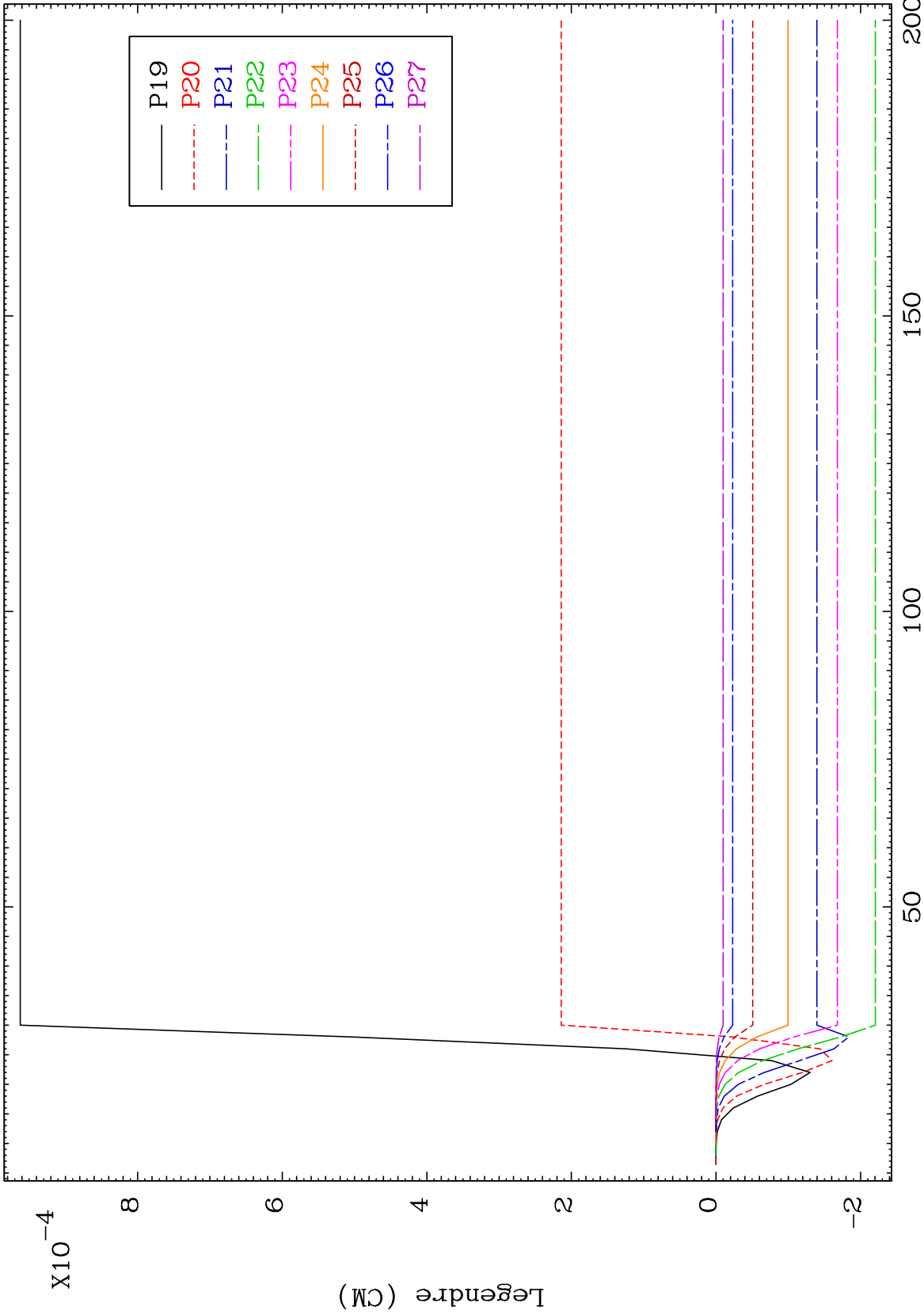
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159

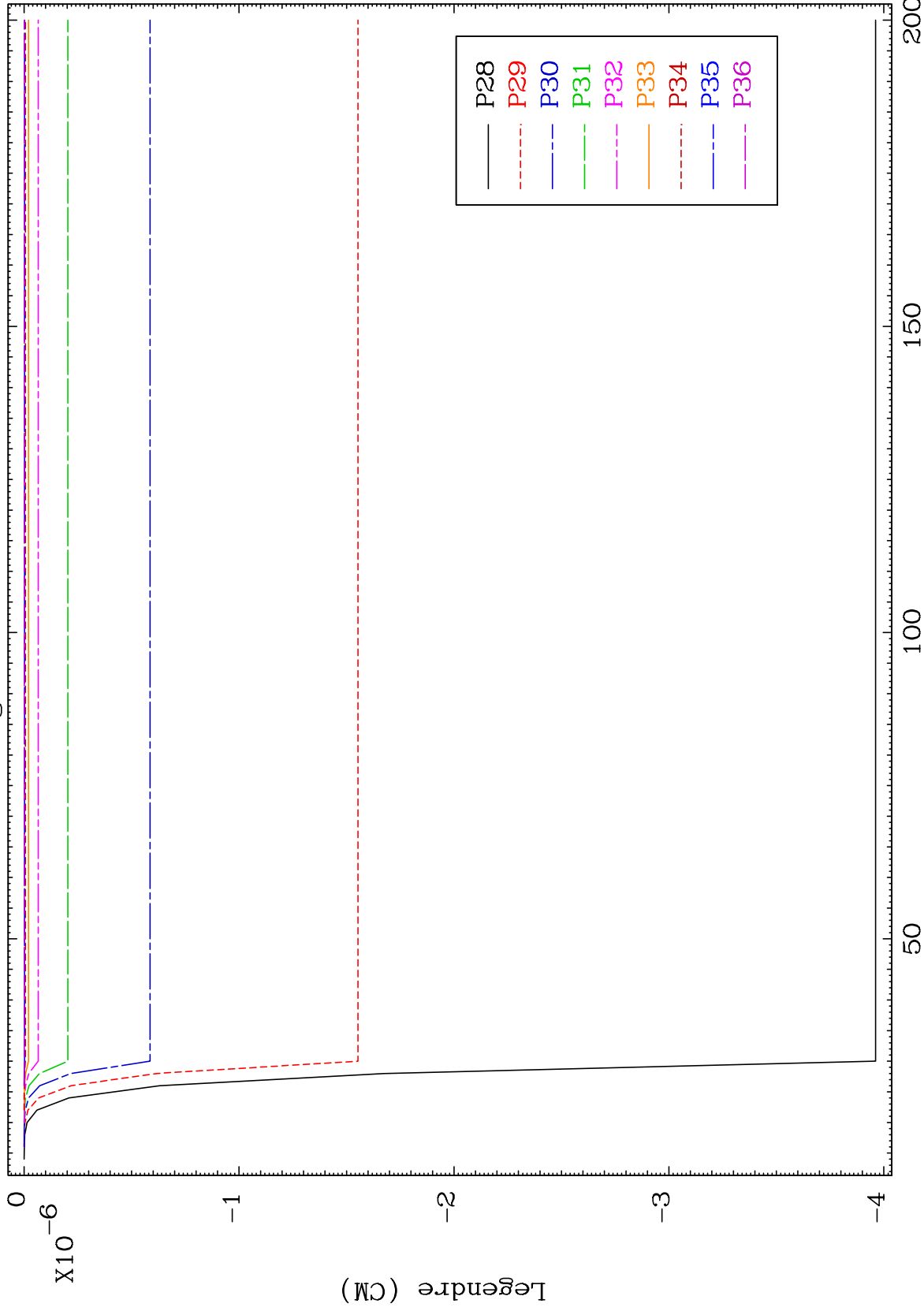


86

69-Tm-159

MAT 6895 MT= 67 (n,n') Level 69-Tm-159

Legendre Coefficients



87

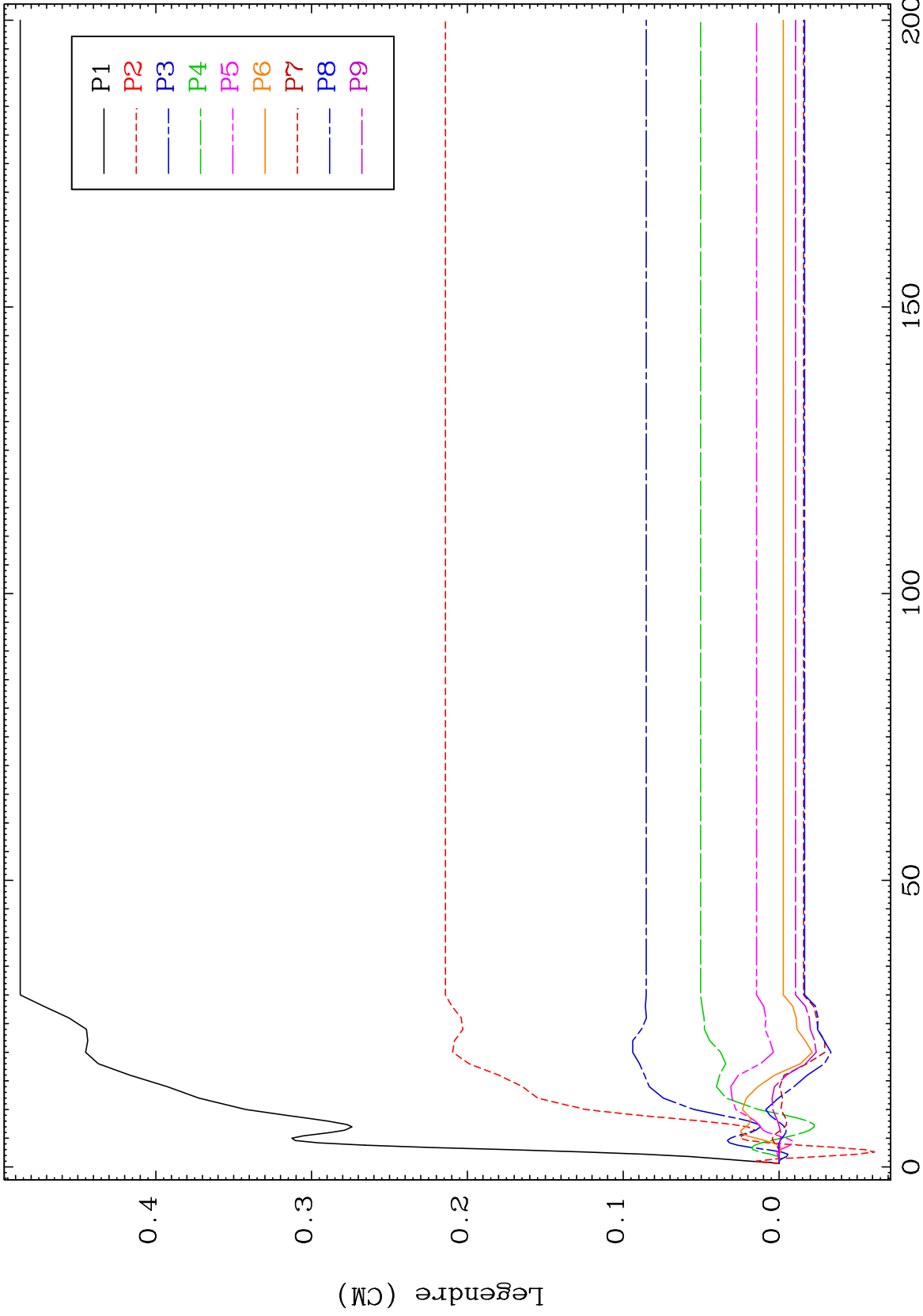
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



88

Incident Energy (MeV)

69-Tm-159

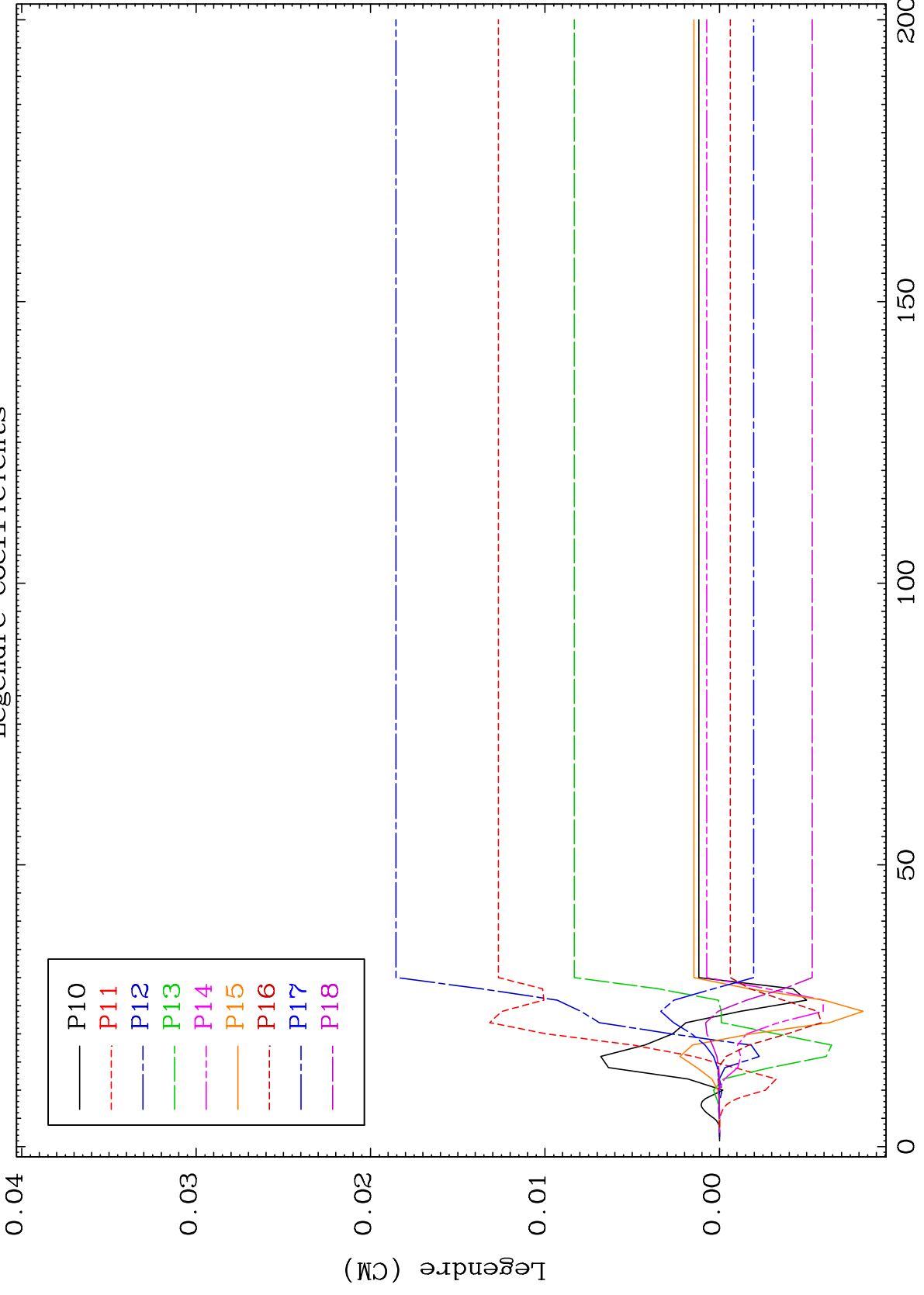
MAT 6895 MT= 68 (n,n') Level Legendre Coefficients

69-Tm-159

69-Tm-159

Incident Energy (MeV)

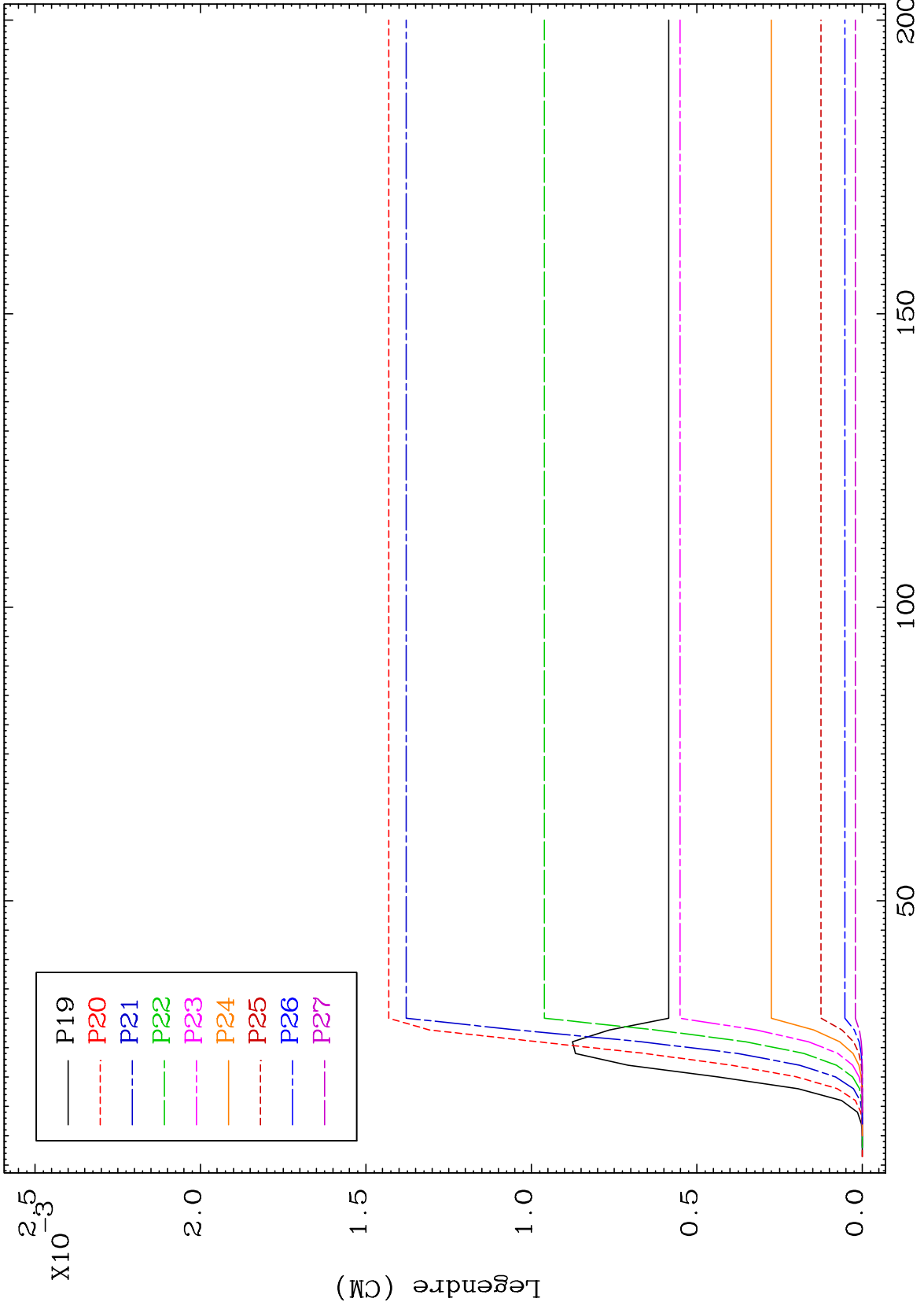
89



MAT 6895

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

69-Tm-159



90

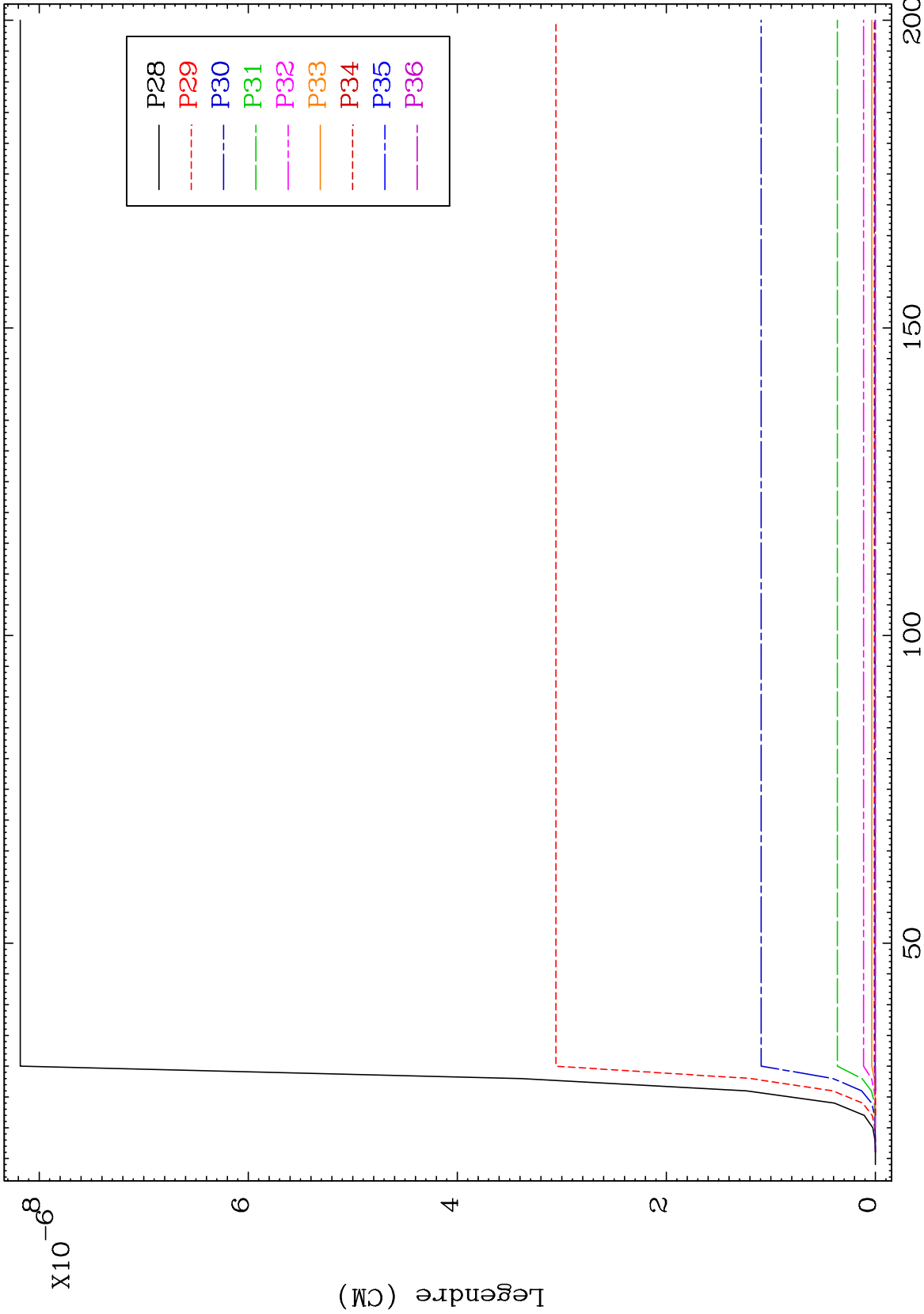
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



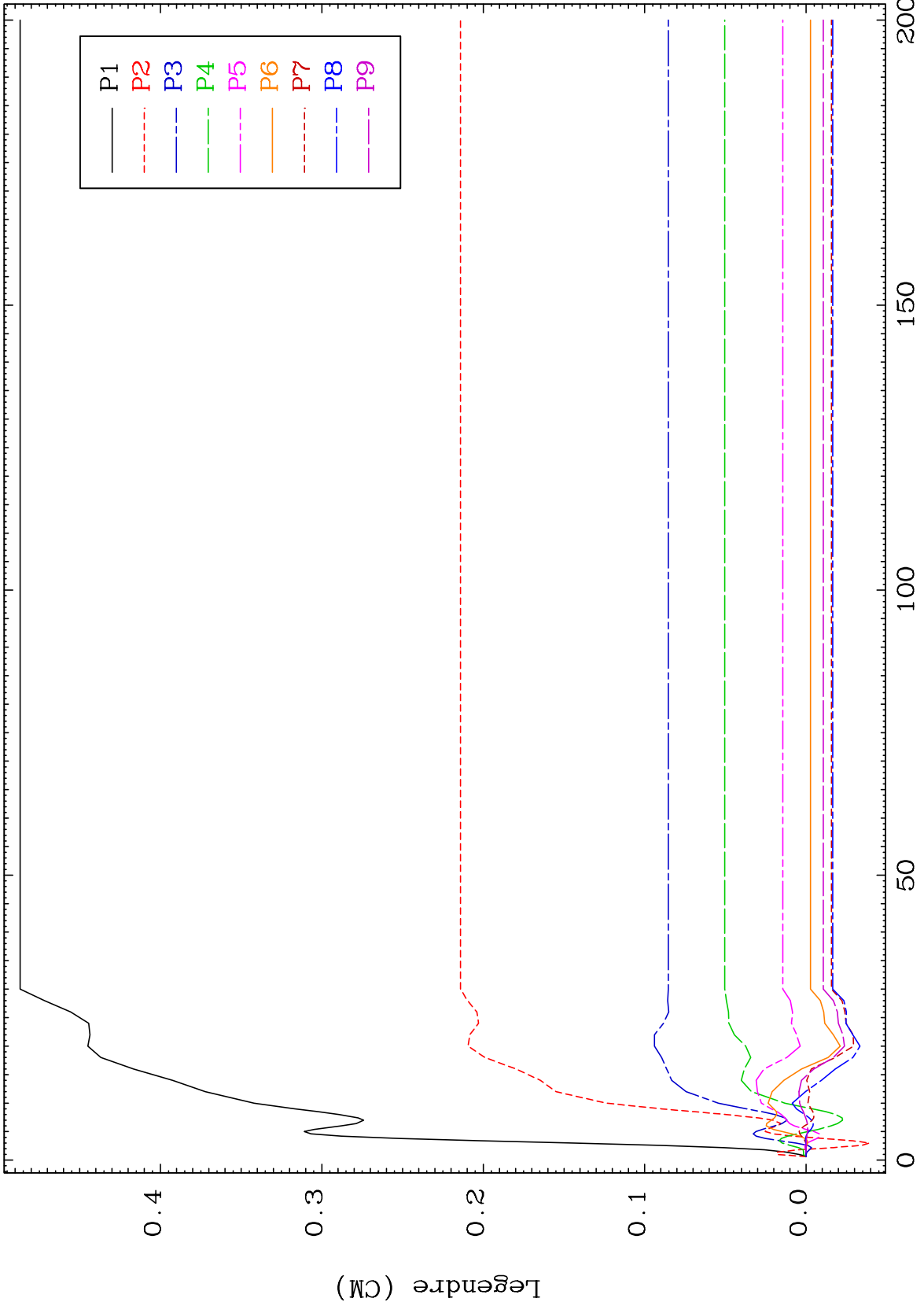
91

69-Tm-159

MAT 6895

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

69-Tm-159

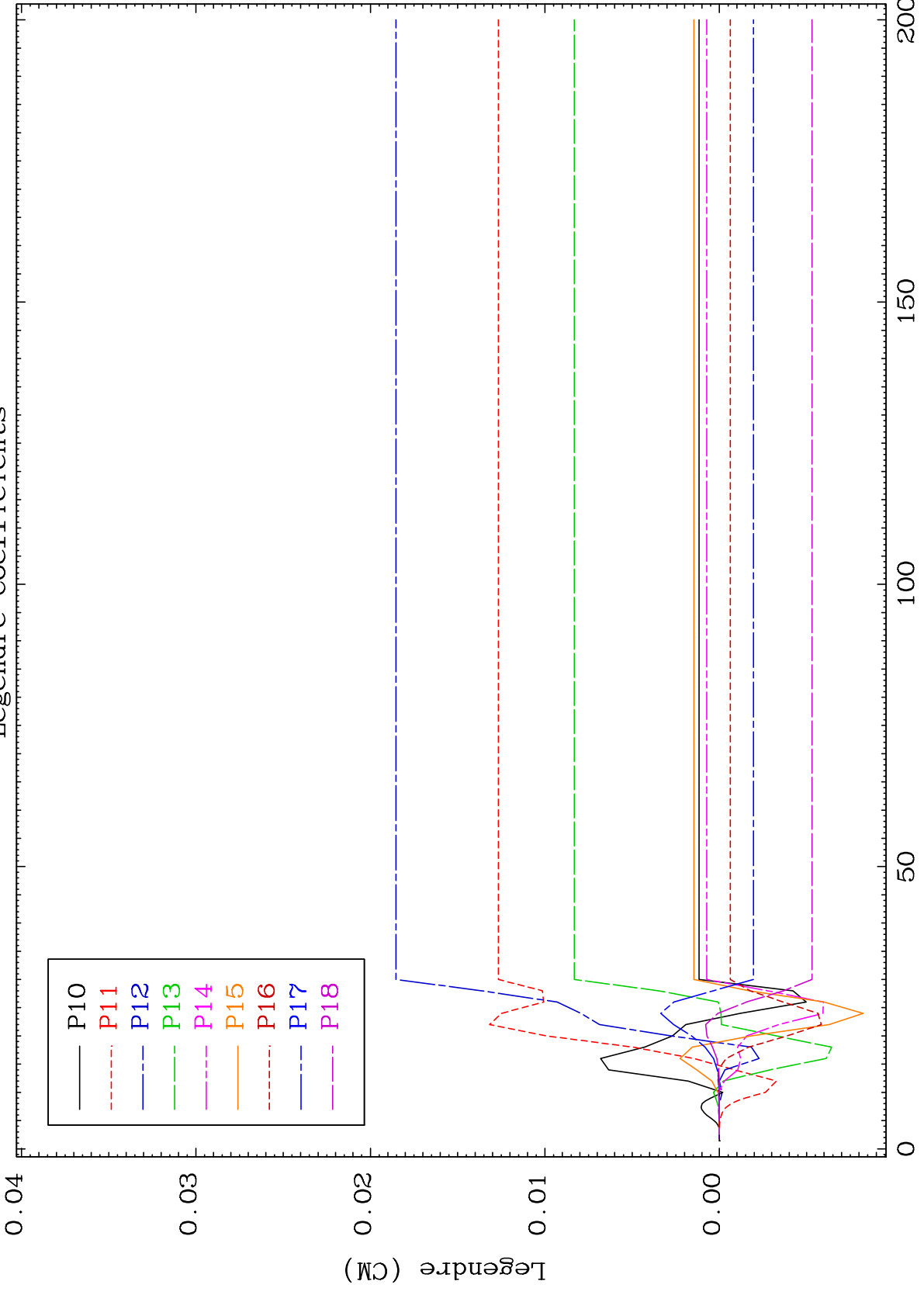


92

Incident Energy (MeV)

69-Tm-159

MAT 6895 MT= 69 (n,n') Level Legendre Coefficients 69-Tm-159

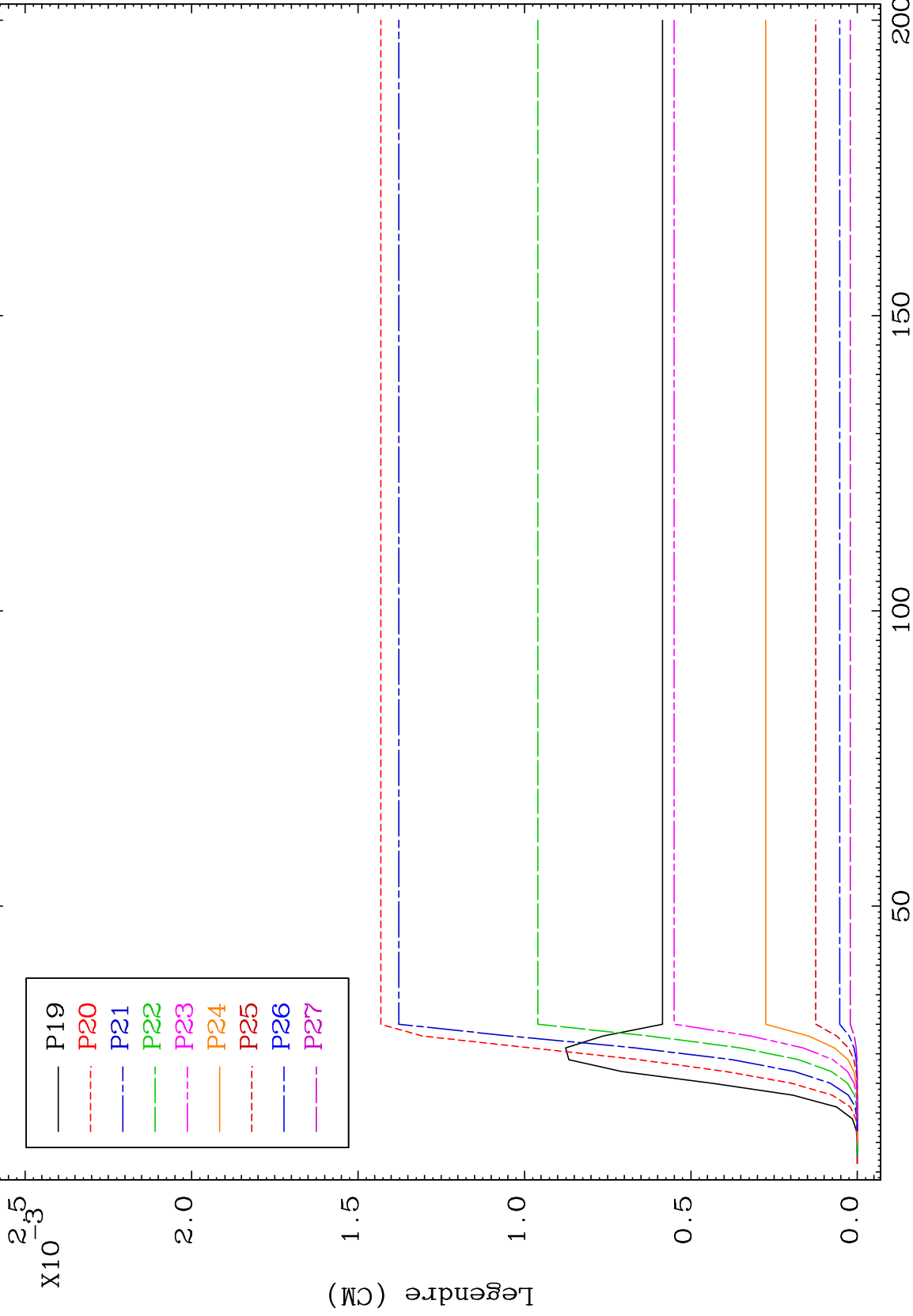


93 69-Tm-159

MAT 6895

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

69-Tm-159



94

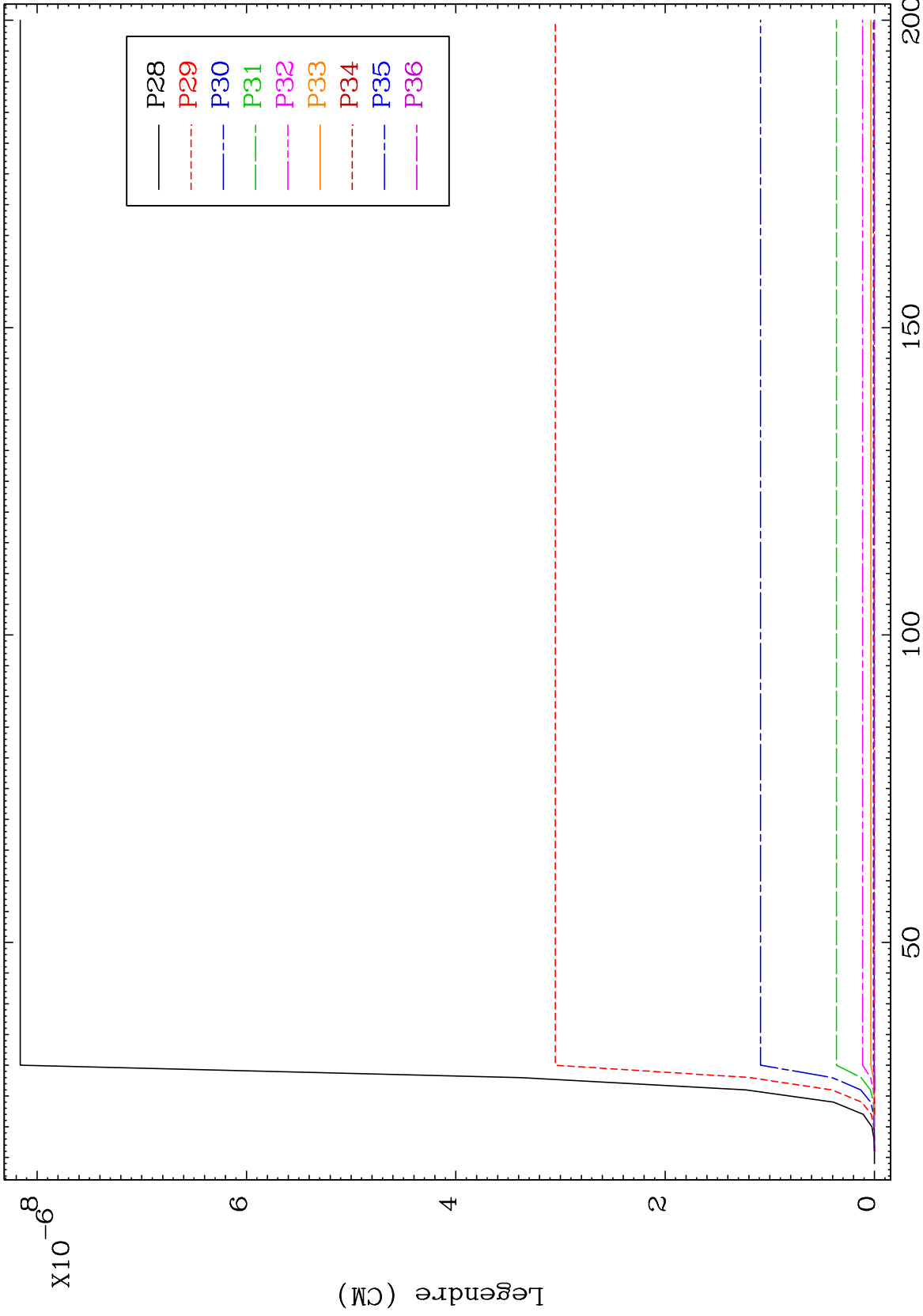
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



95

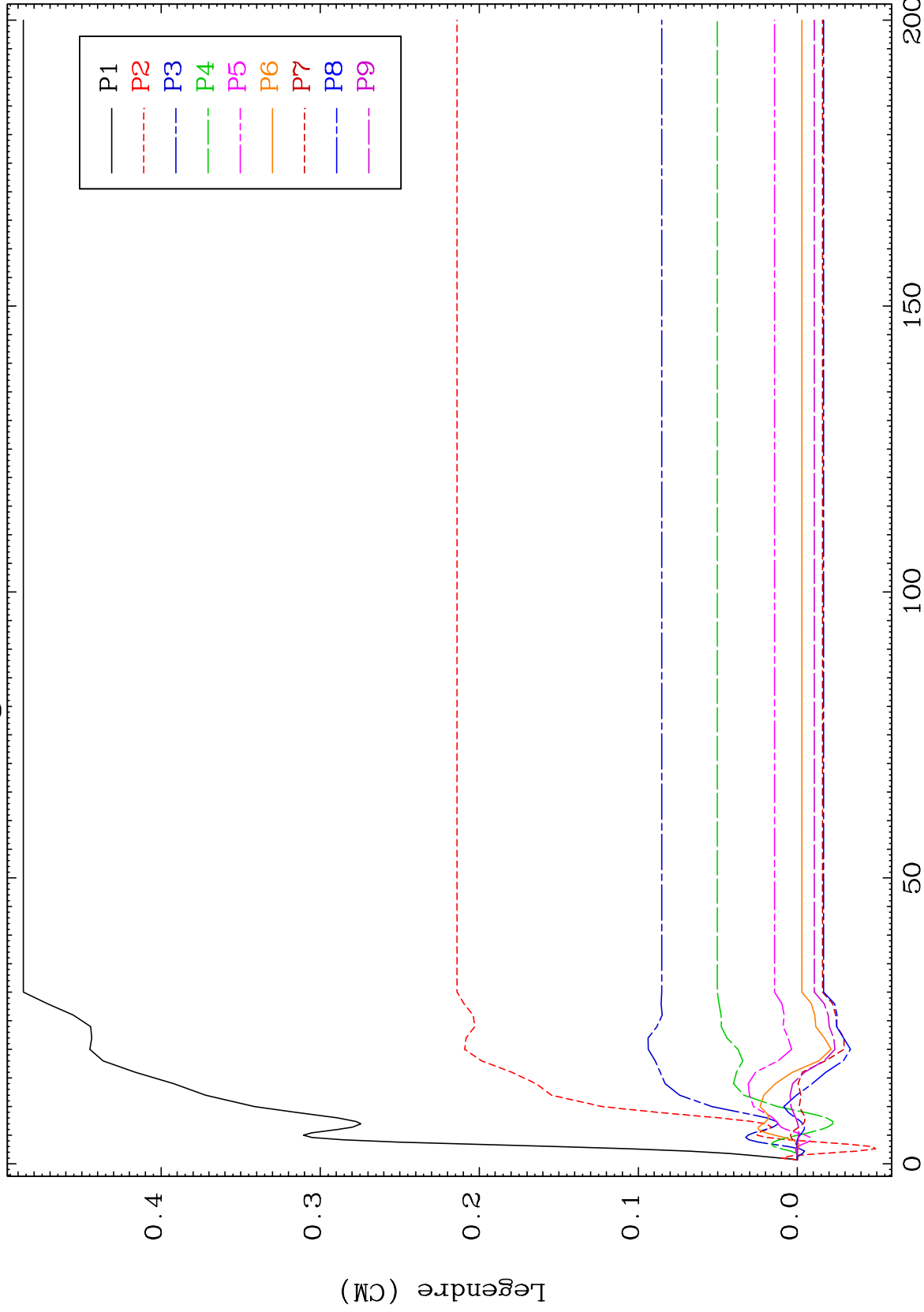
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159

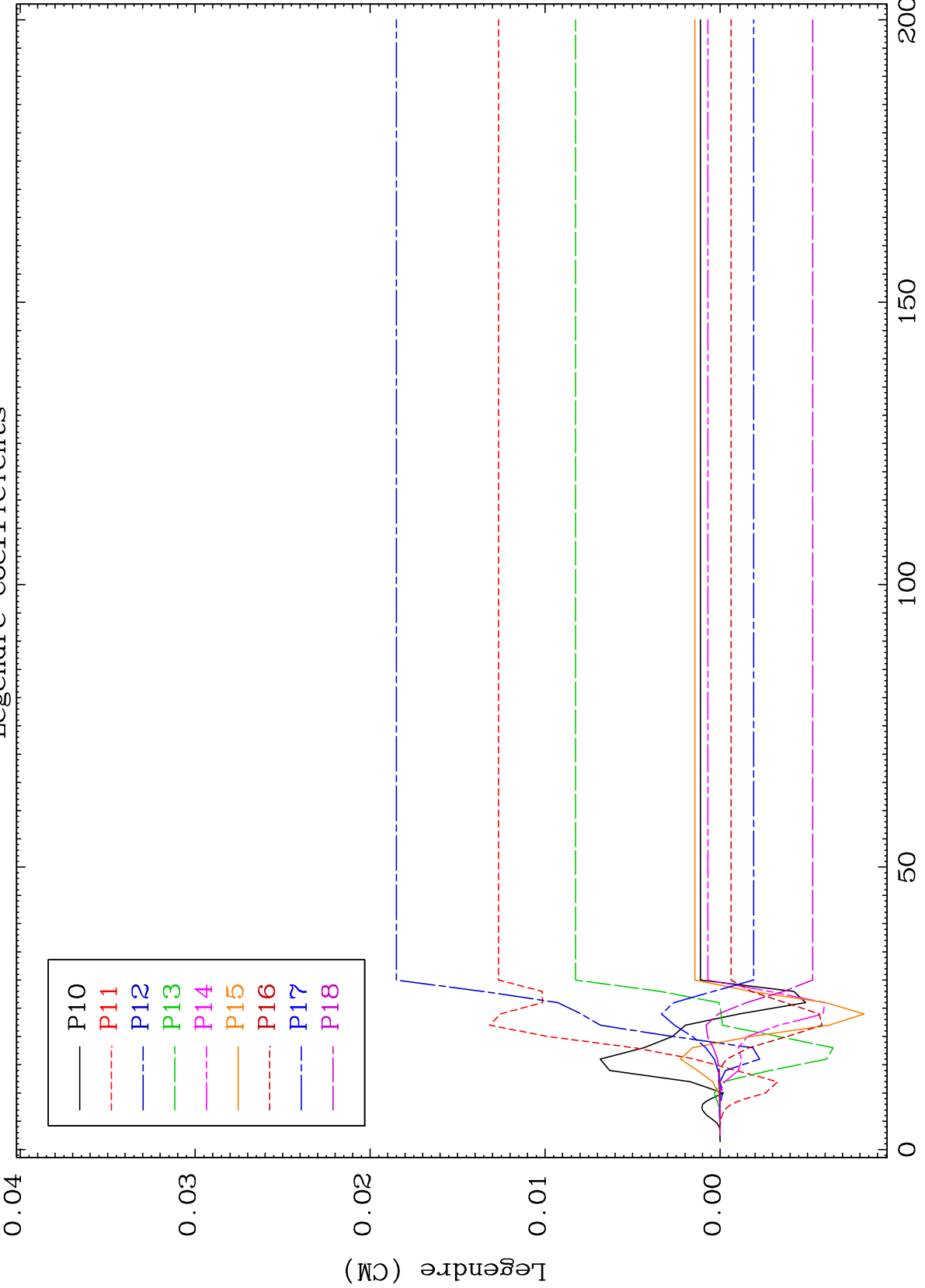


96

Incident Energy (MeV)

69-Tm-159

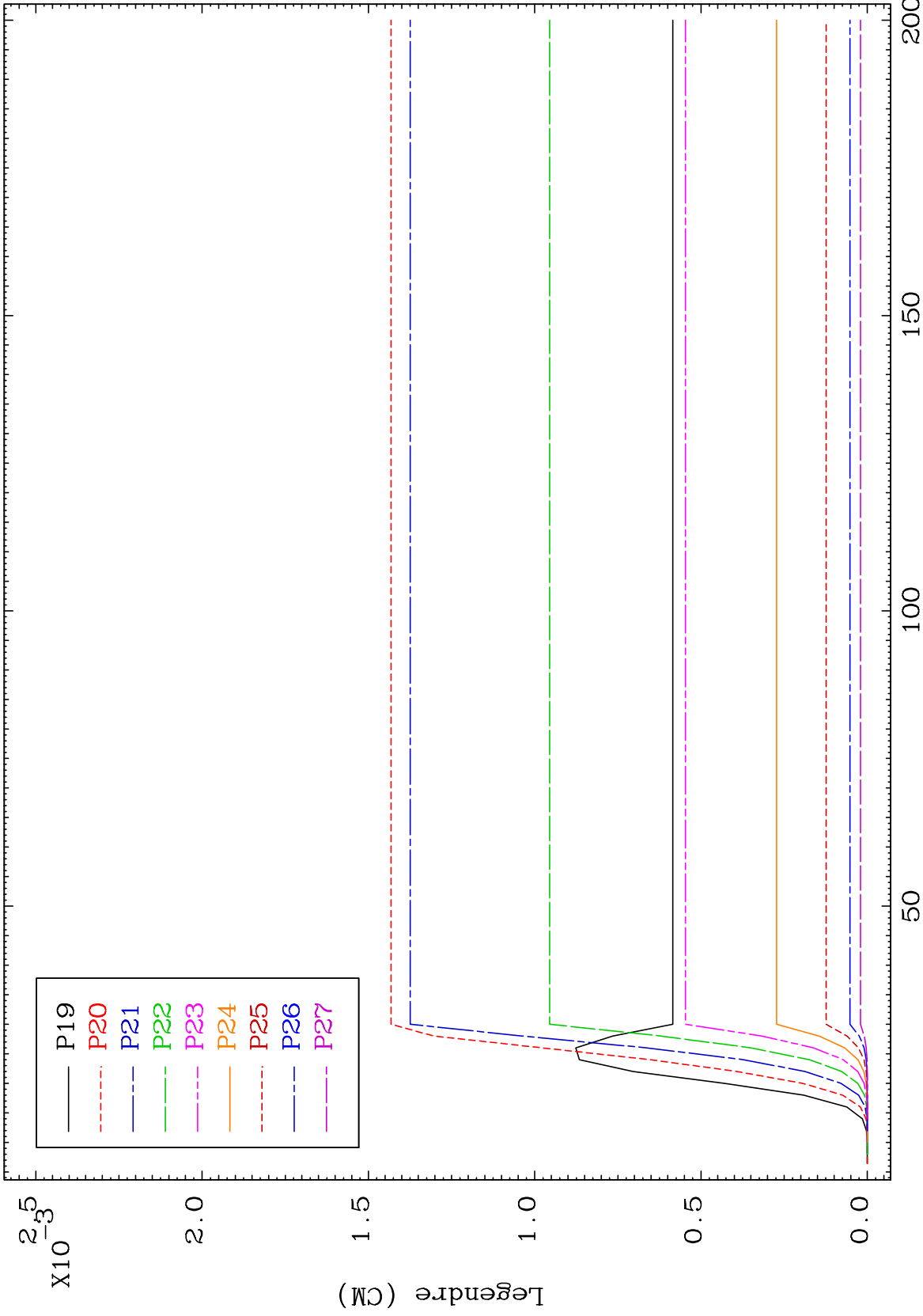
MAT 6895 MT= 70 (n,n') Level Legendre Coefficients 69-Tm-159



MAT 6895

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

69-Tm-159



98

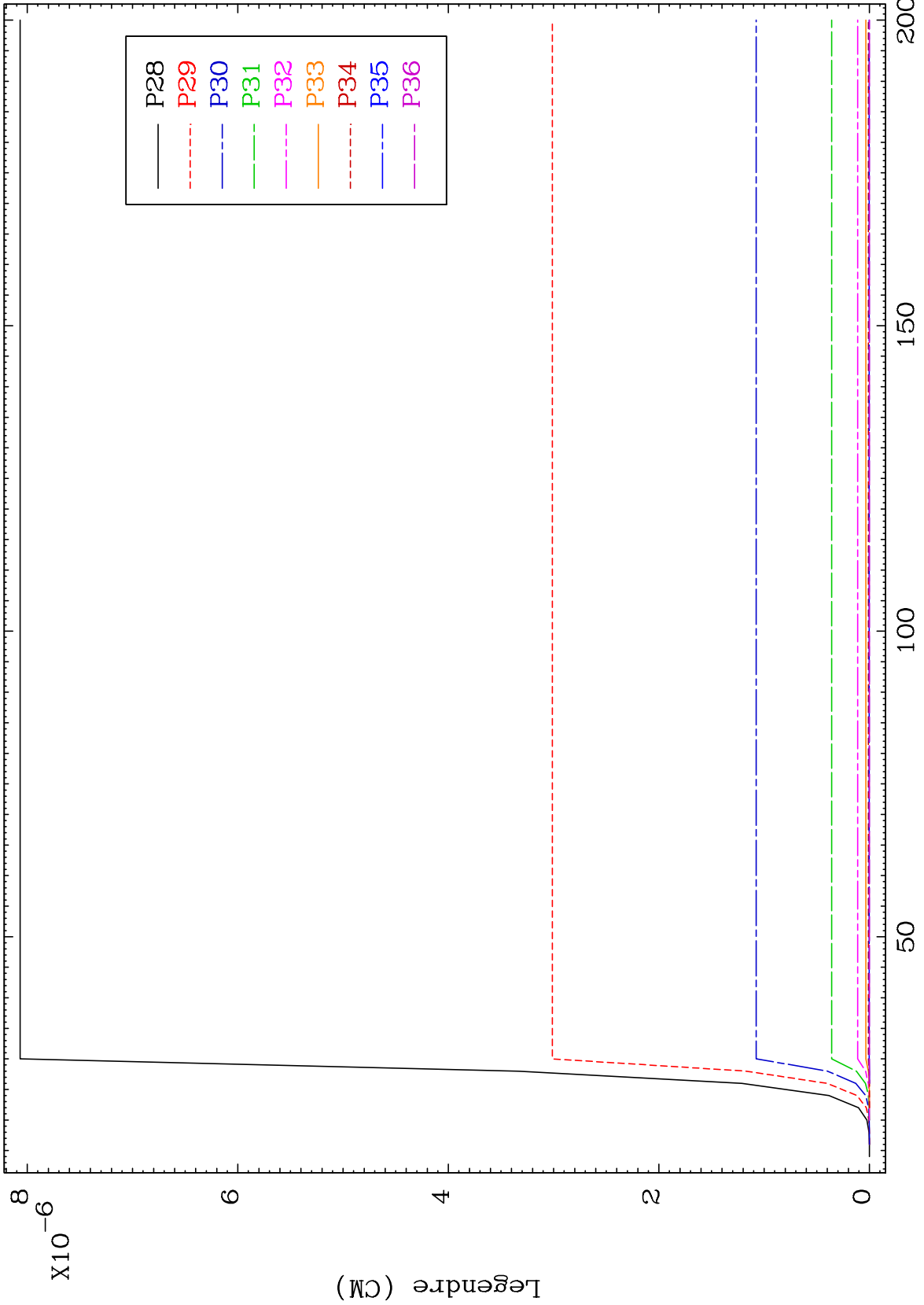
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



99

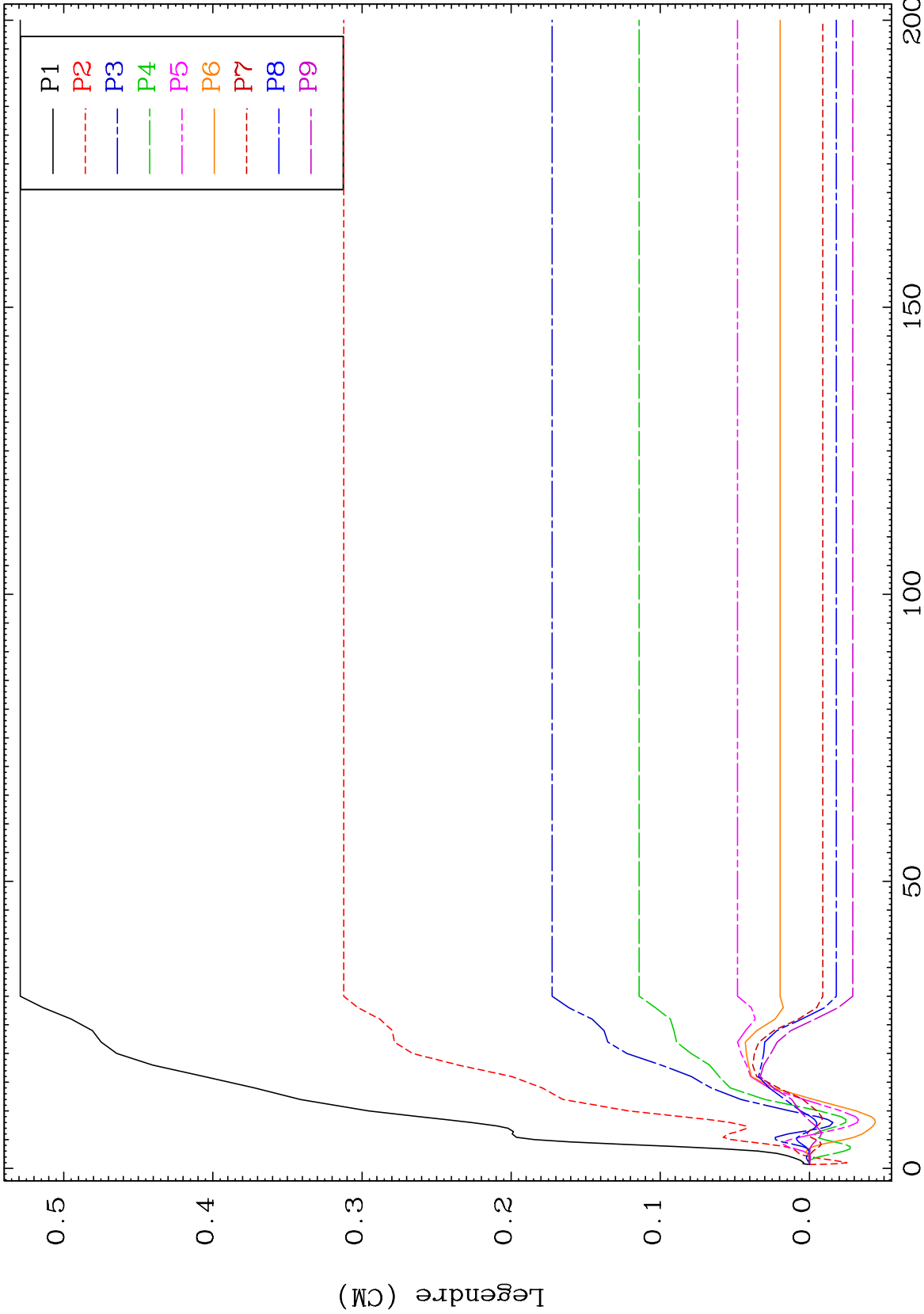
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



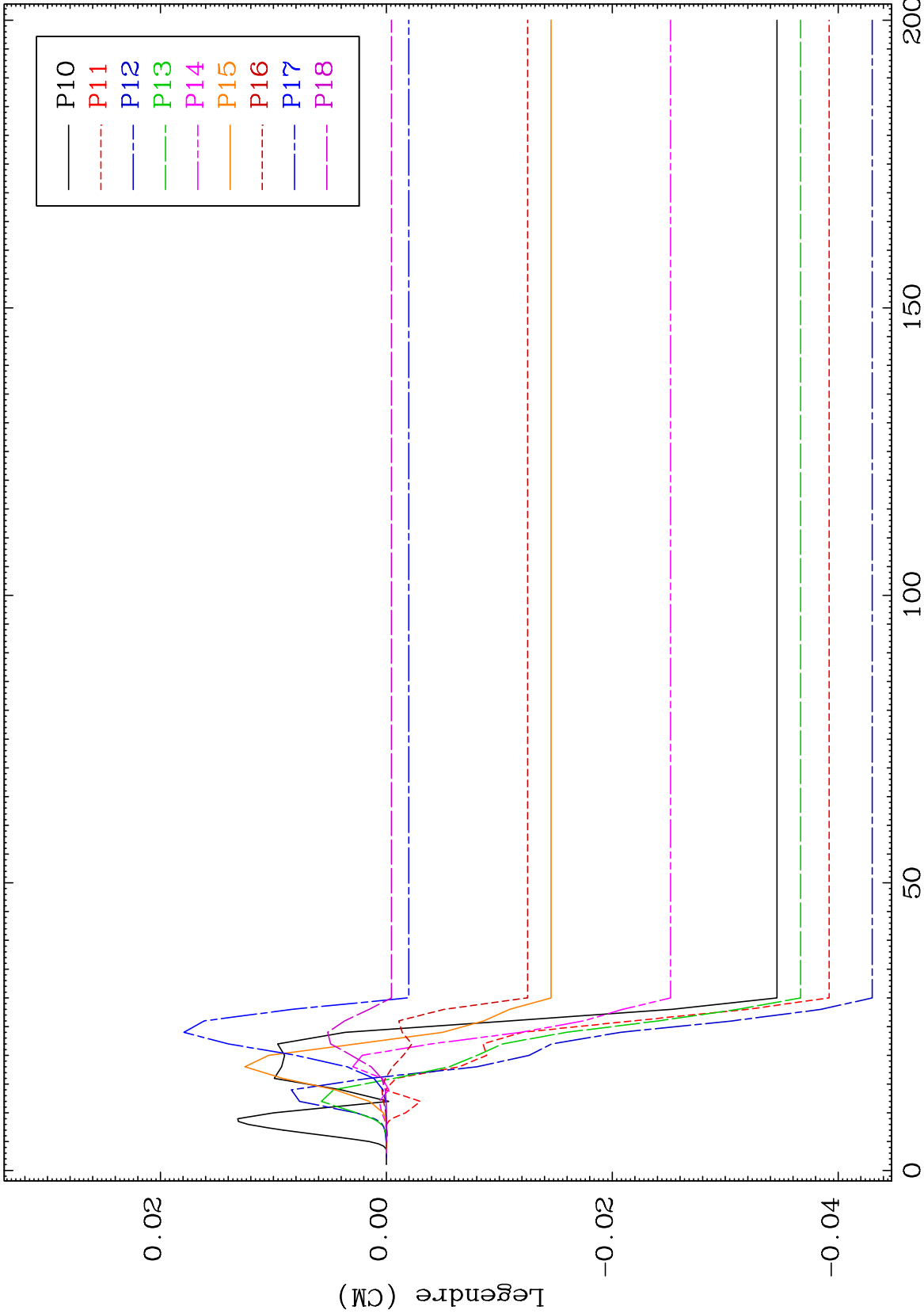
69-Tm-159

Incident Energy (MeV)

MAT 6895

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

69-Tm-159



101

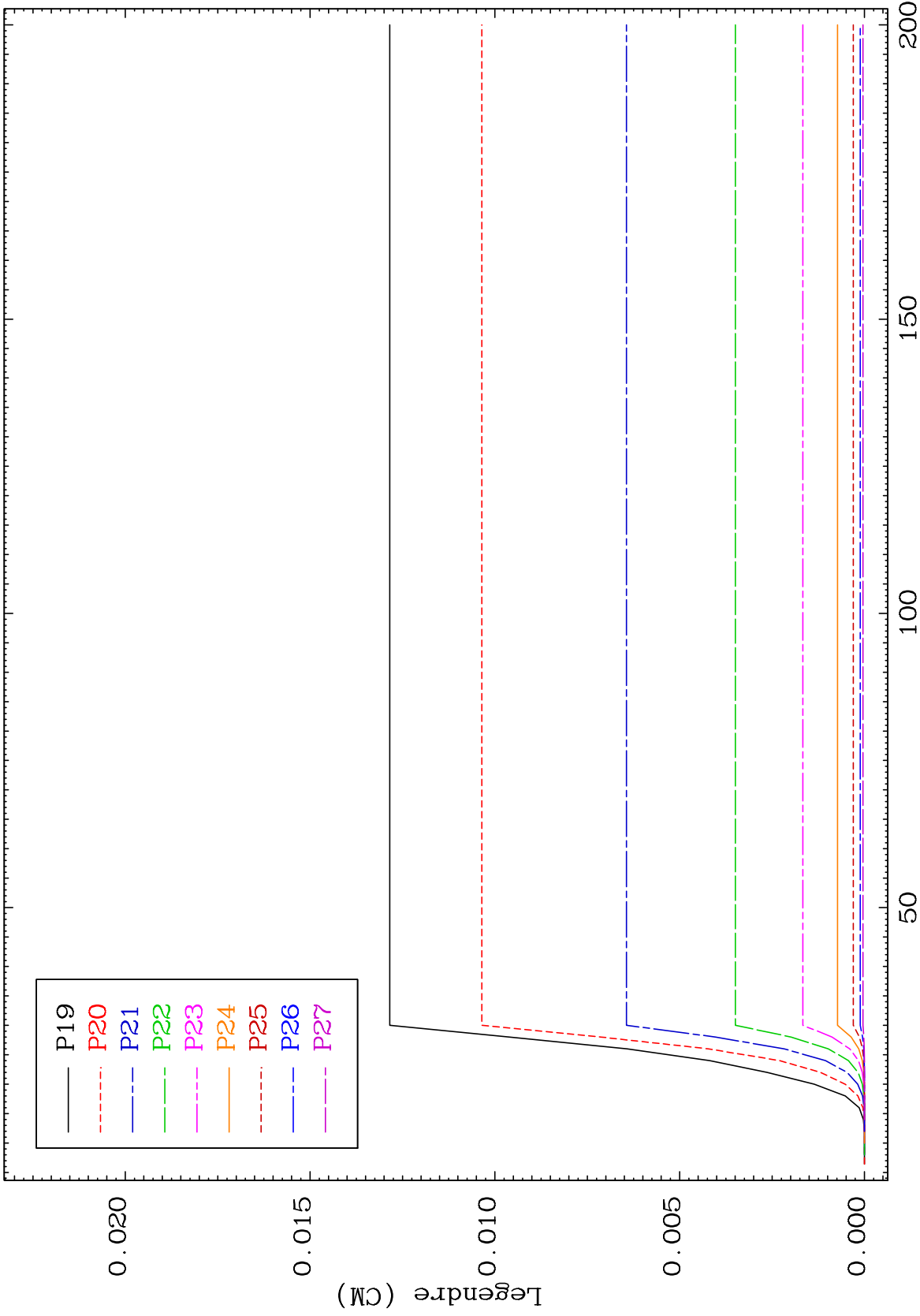
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



102

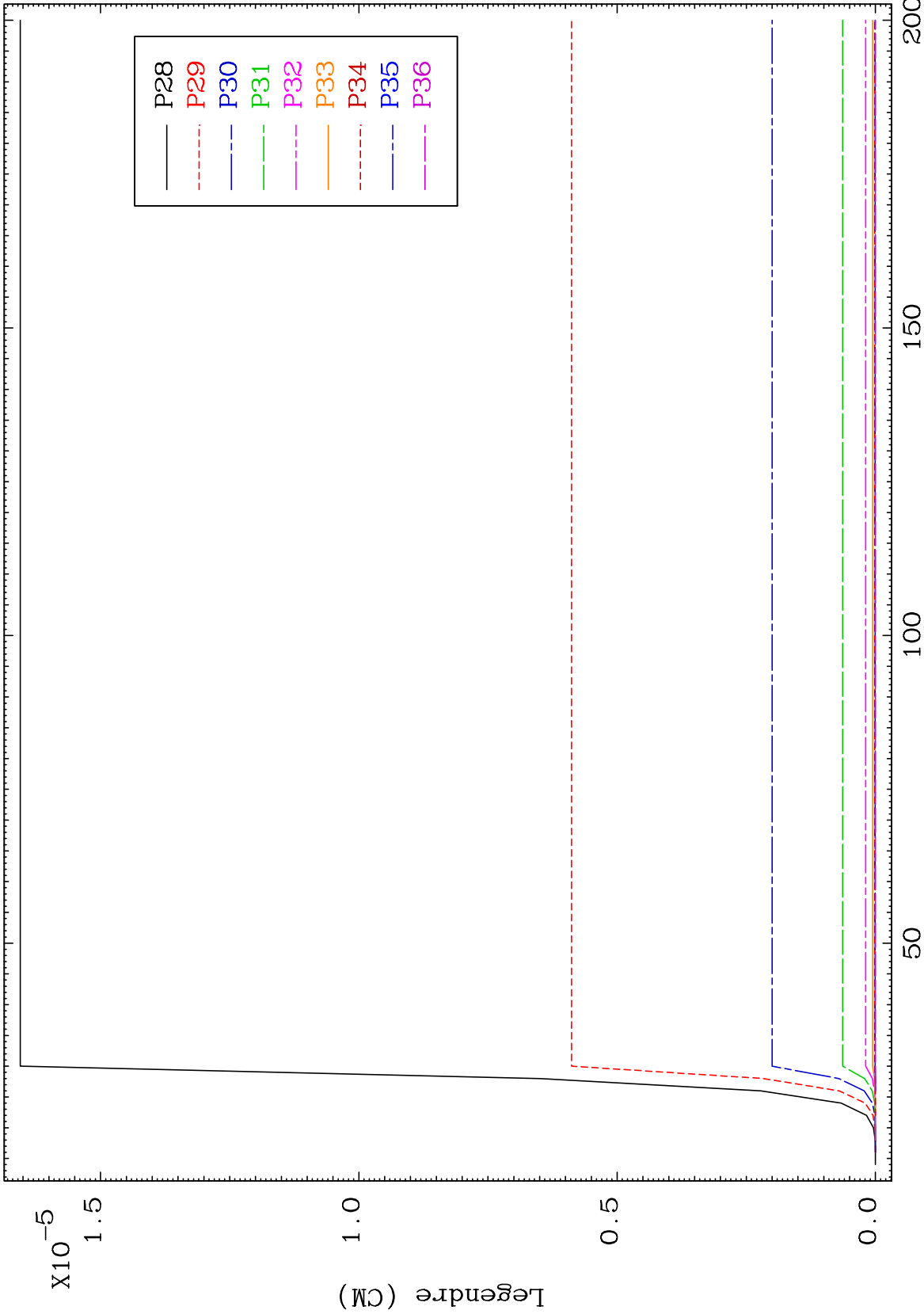
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



103

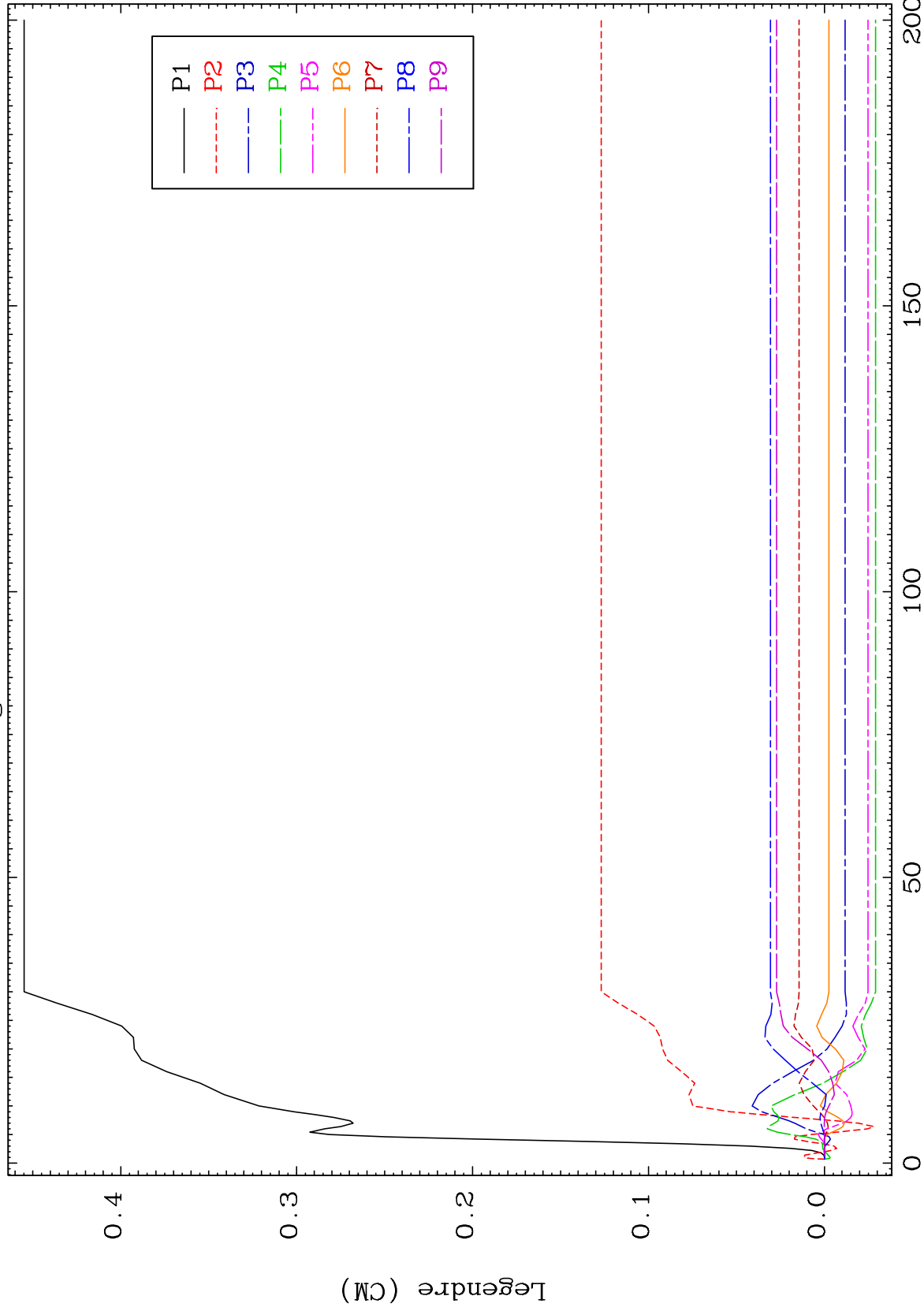
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



69-Tm-159

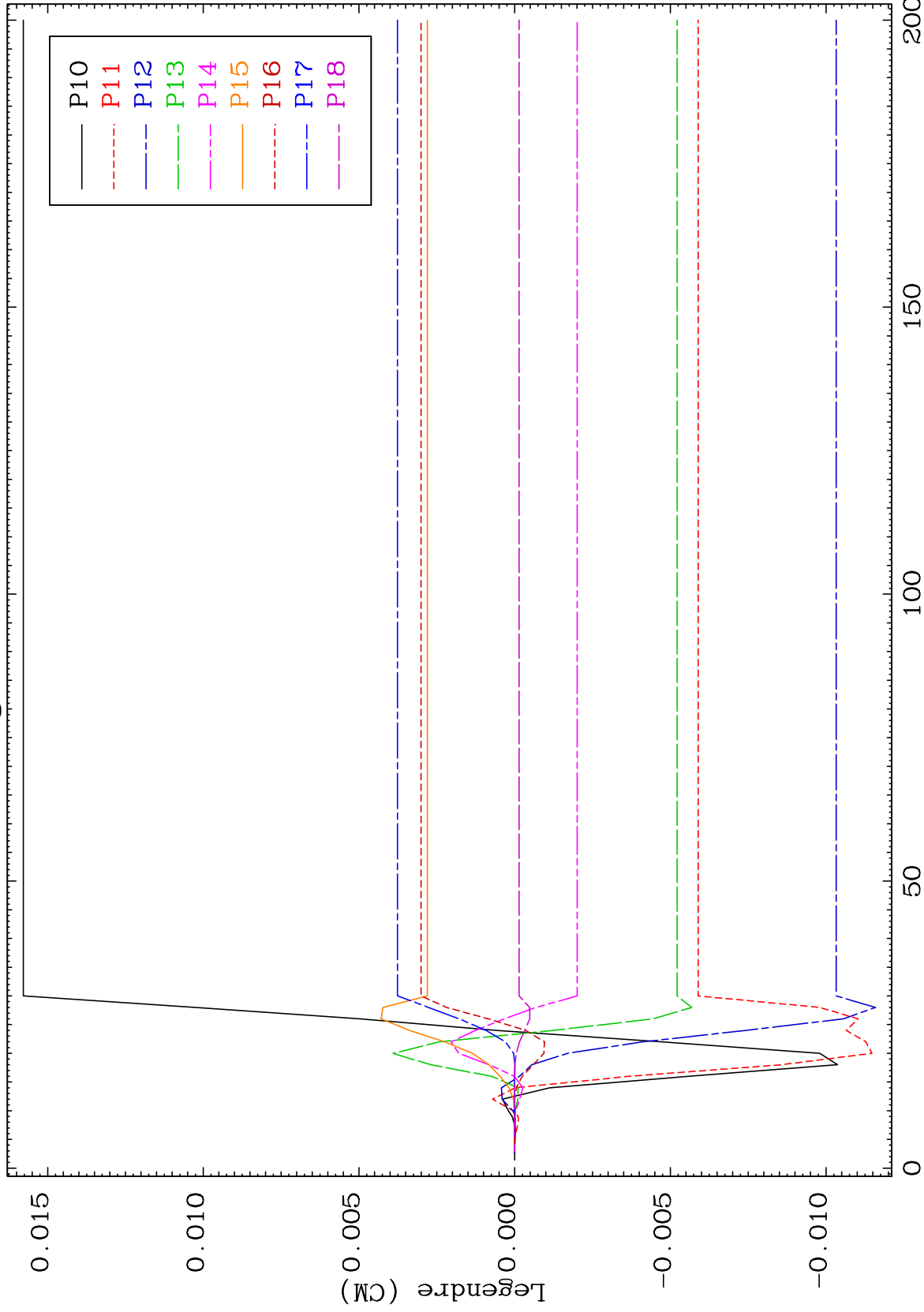
Incident Energy (MeV)

104

MAT 6895

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

69-Tm-159



105

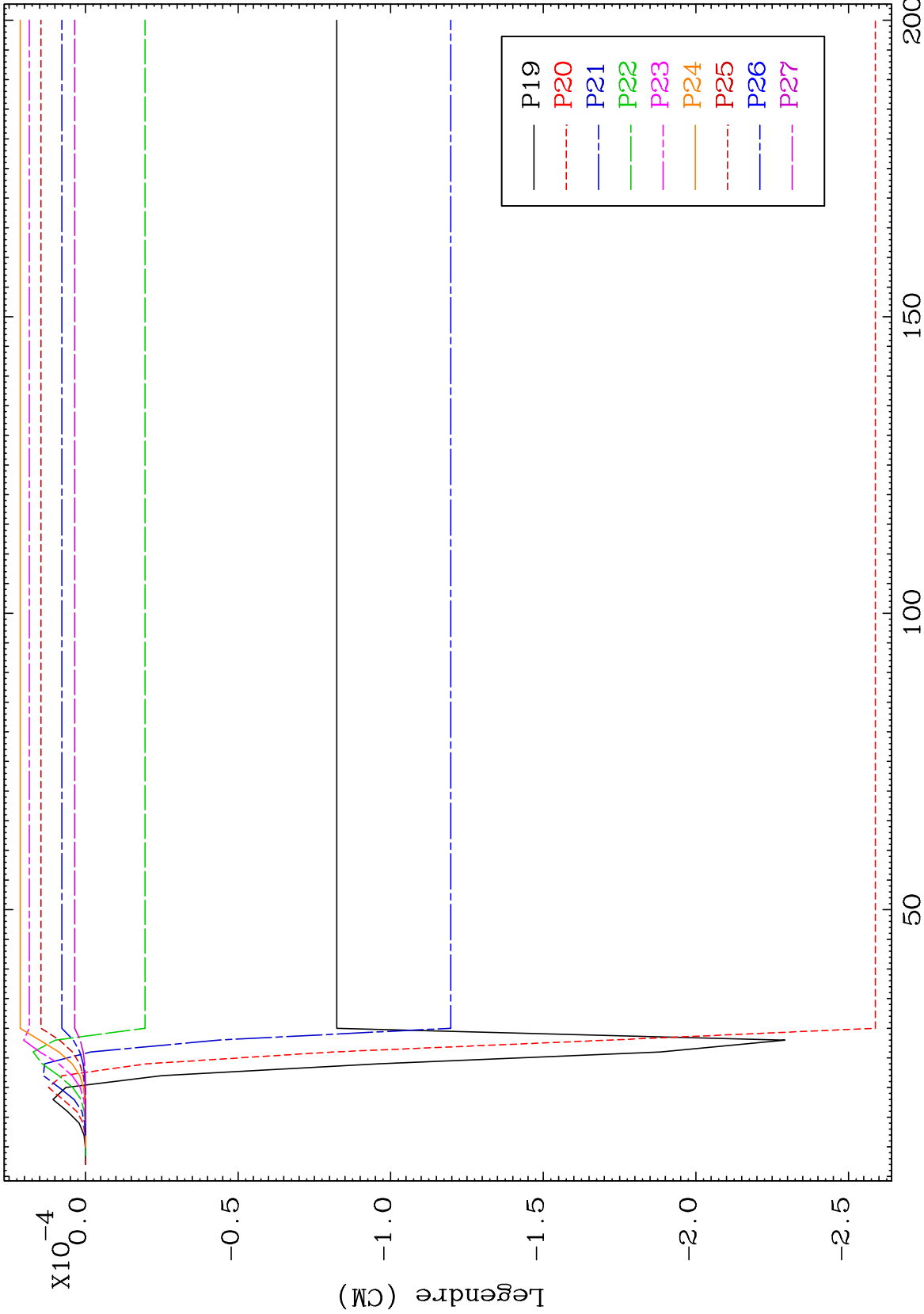
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



106

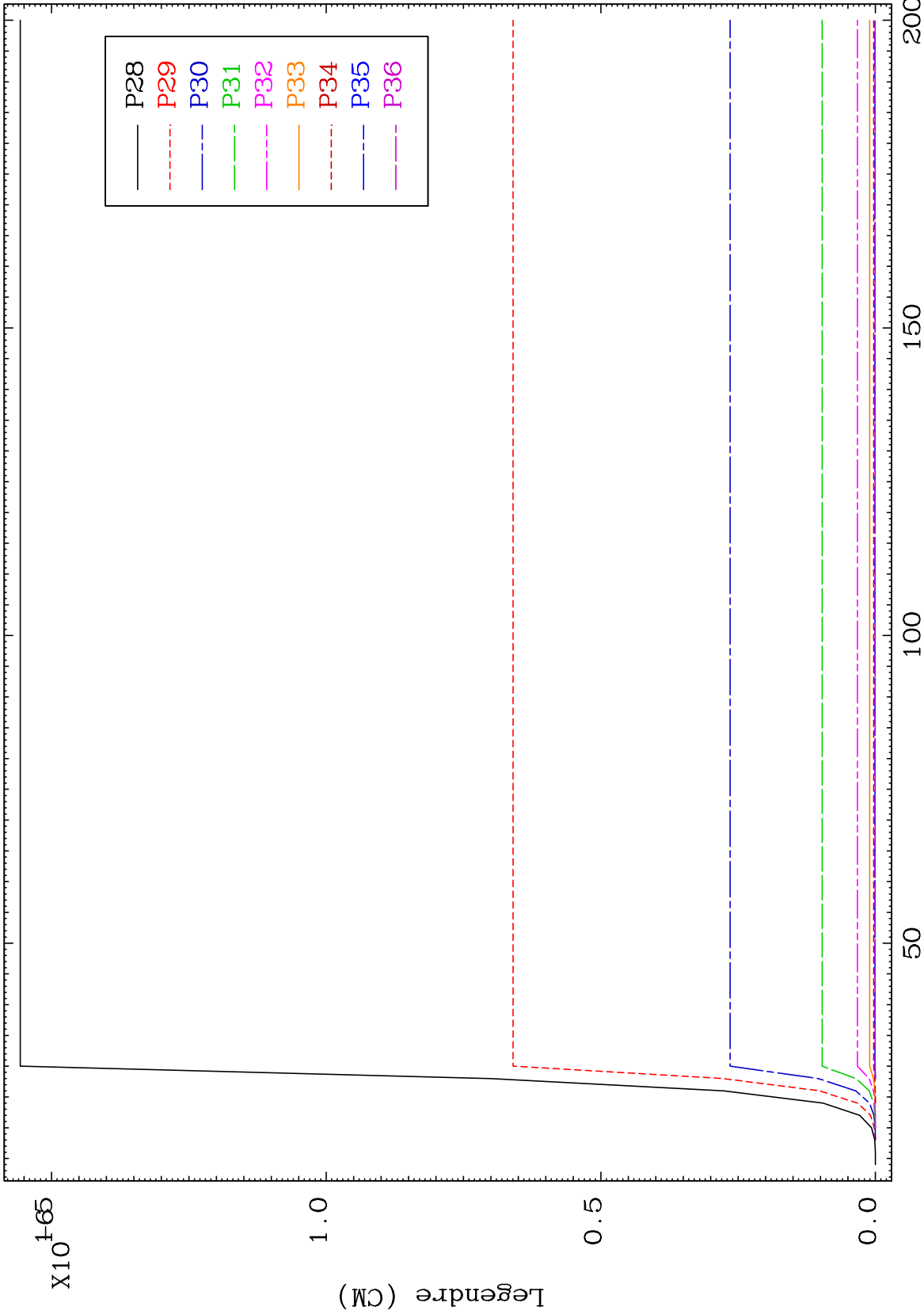
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



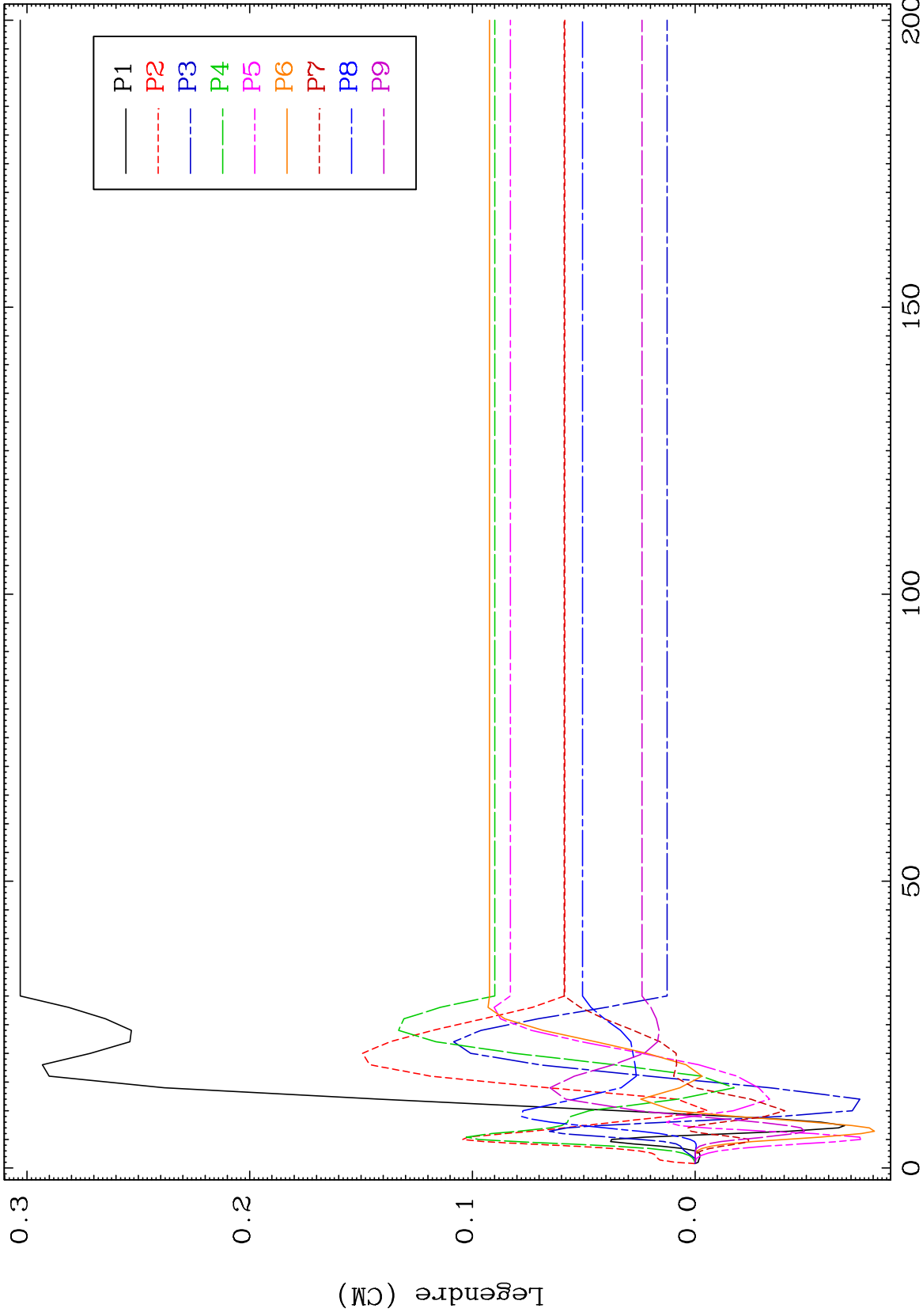
107

69-Tm-159

MAT 6895

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

69-Tm-159



108

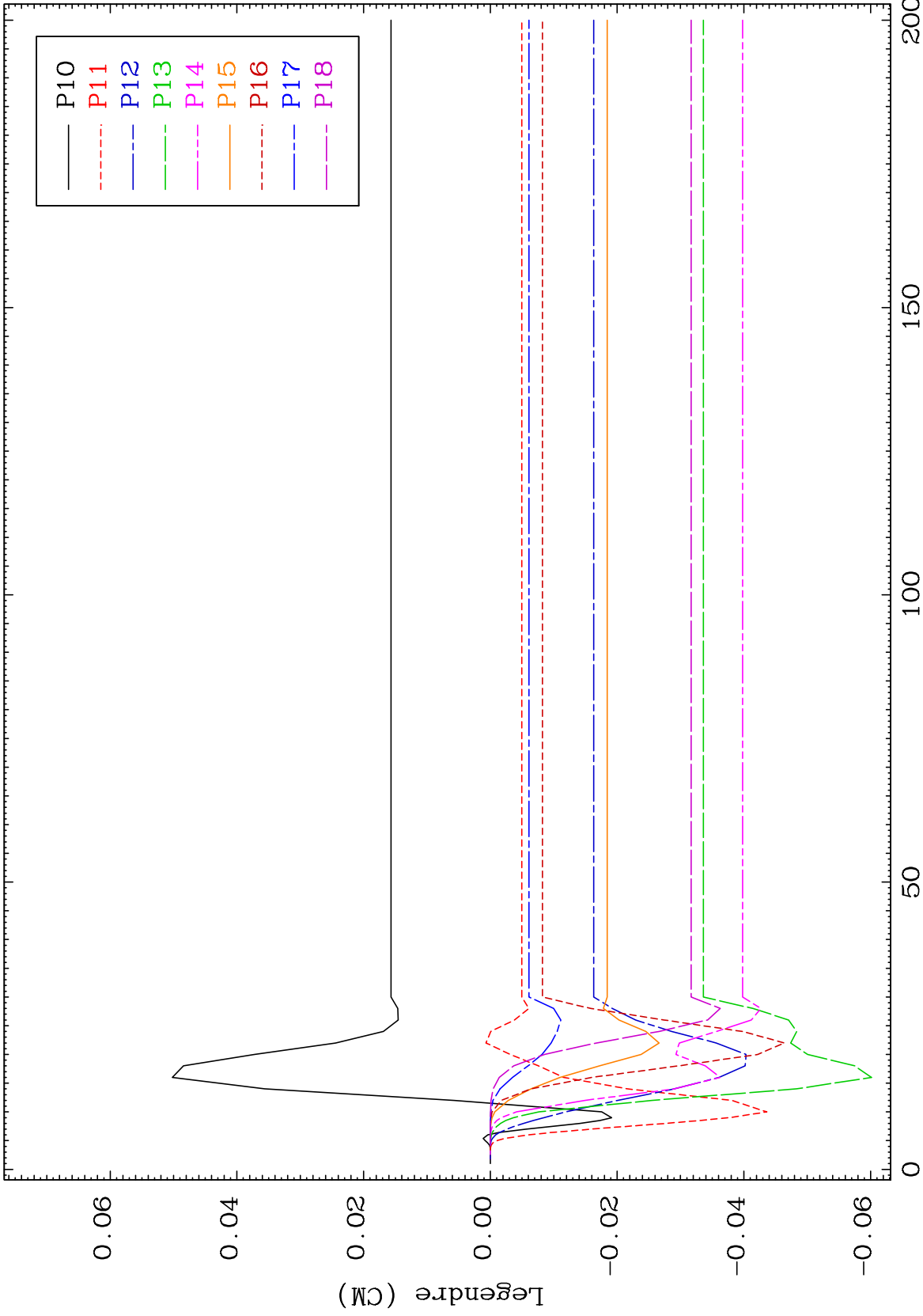
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



109

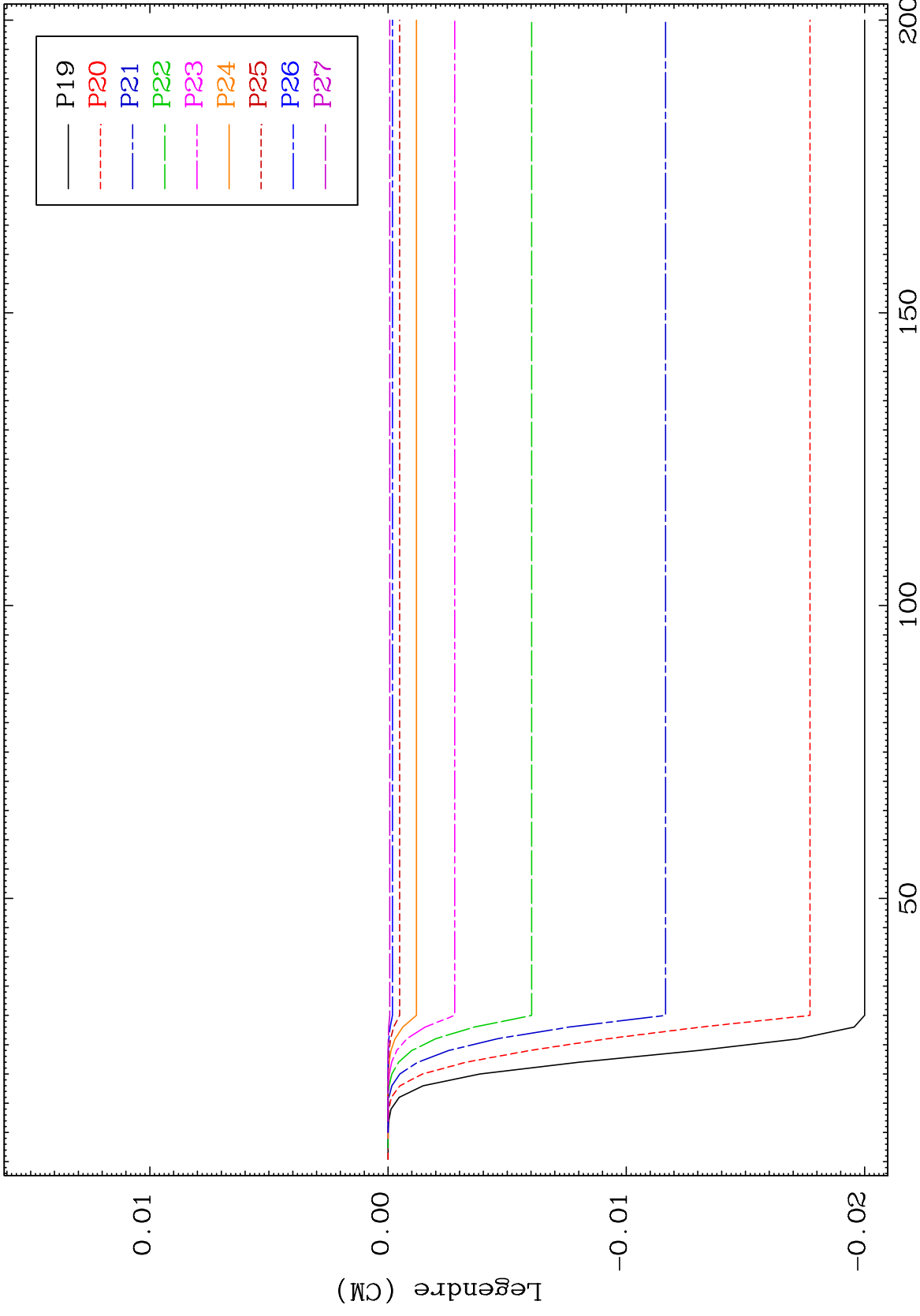
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



110

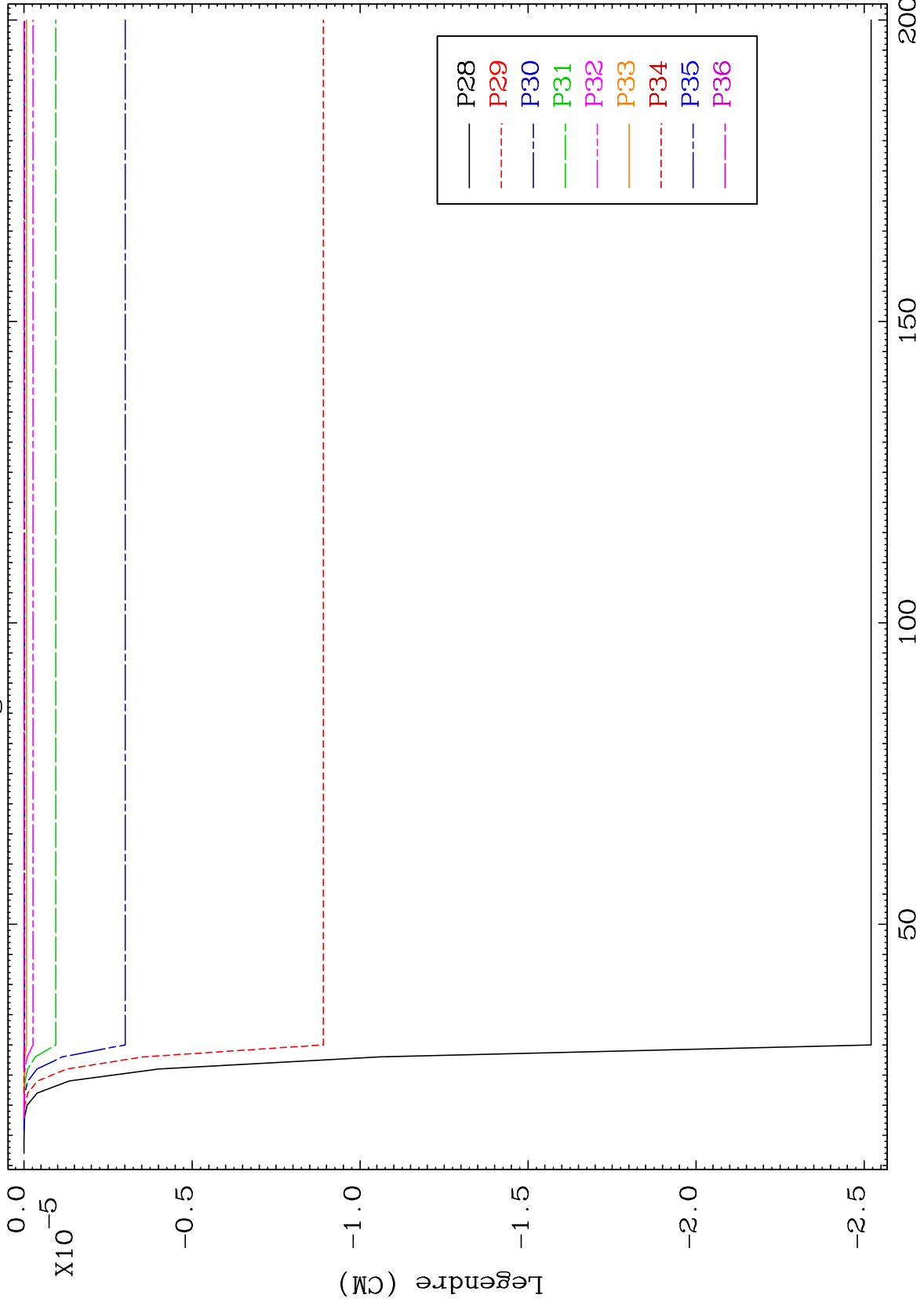
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



69-Tm-159

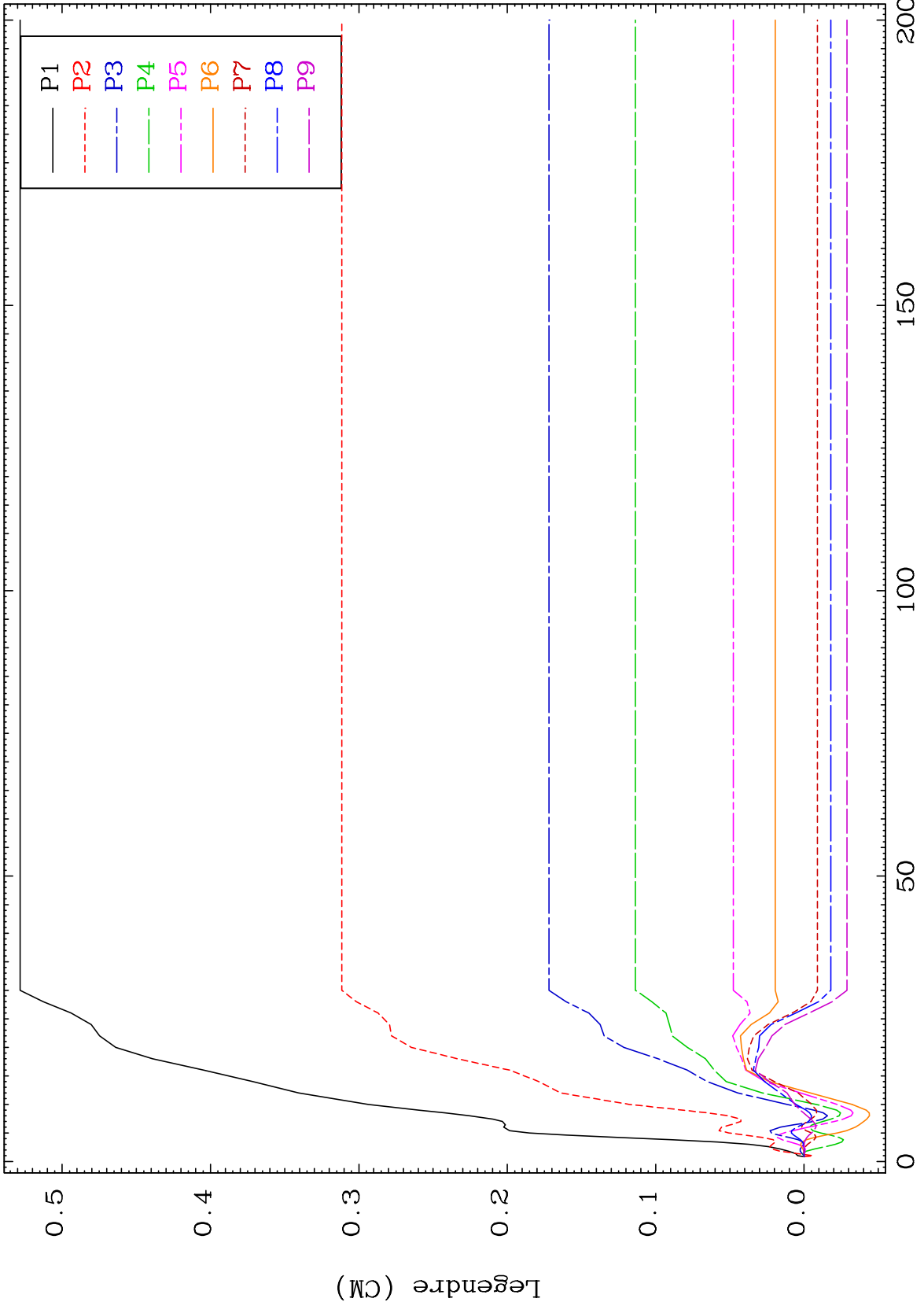
Incident Energy (MeV)

111

MAT 6895

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

69-Tm-159



112

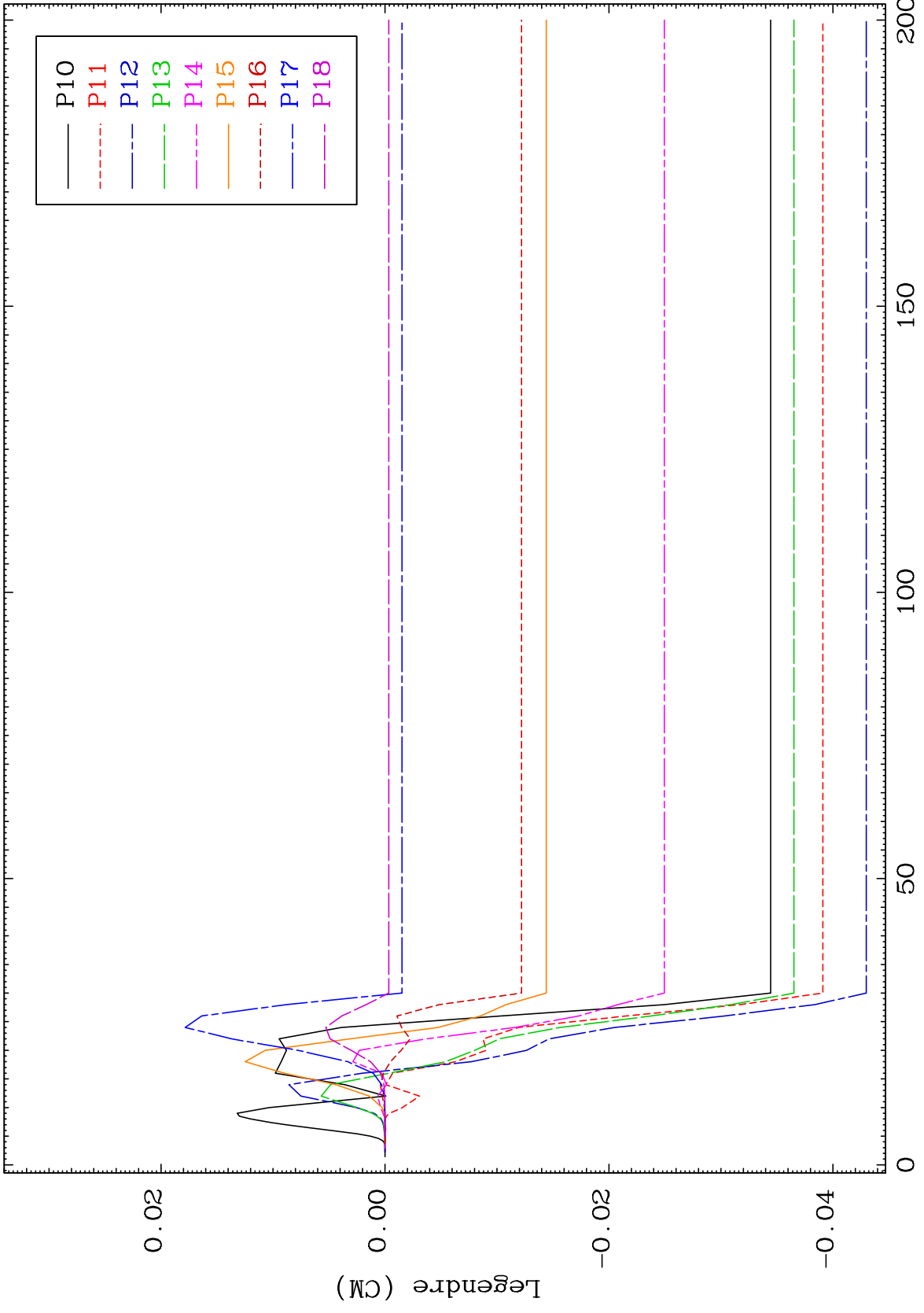
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



113

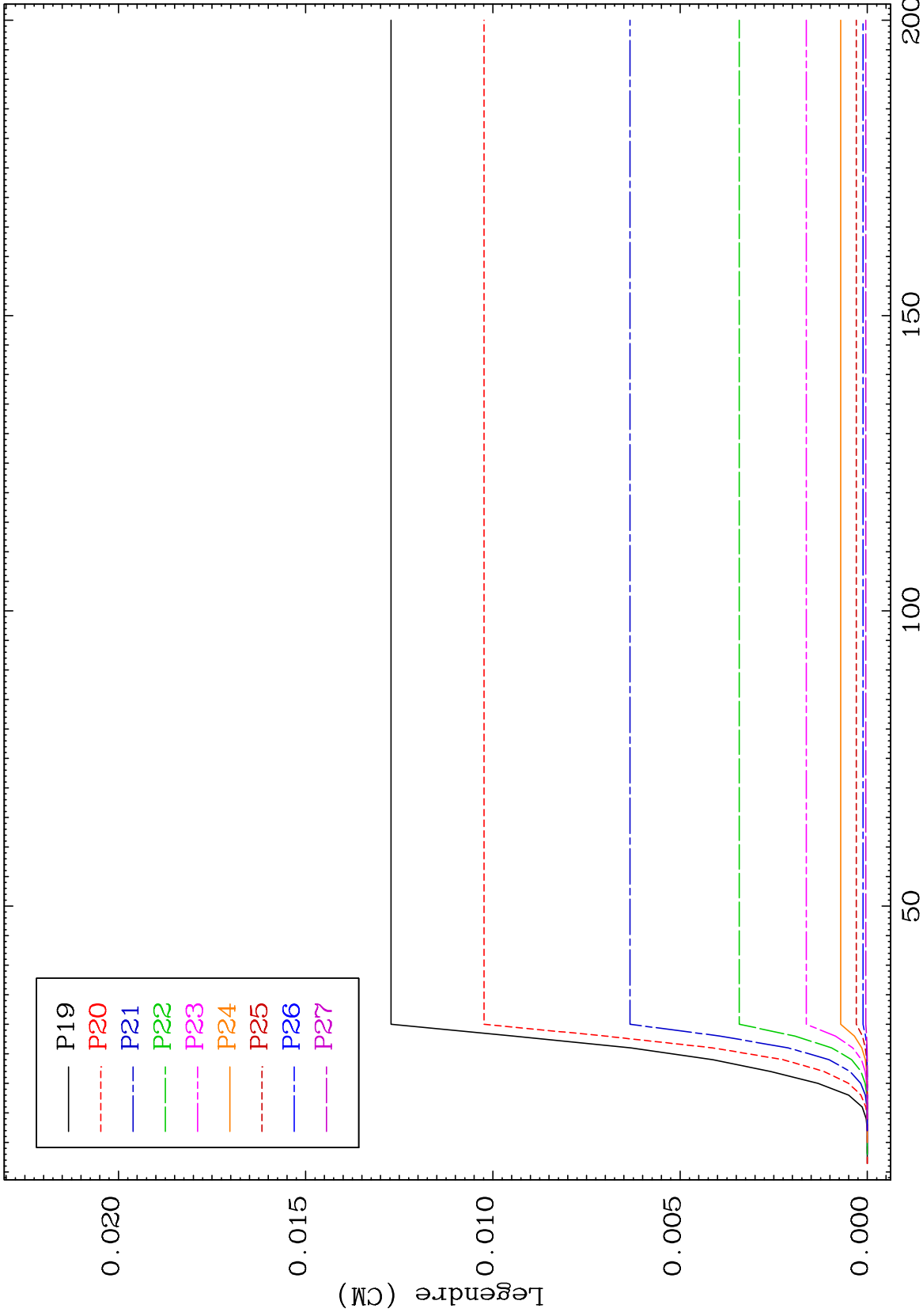
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



114

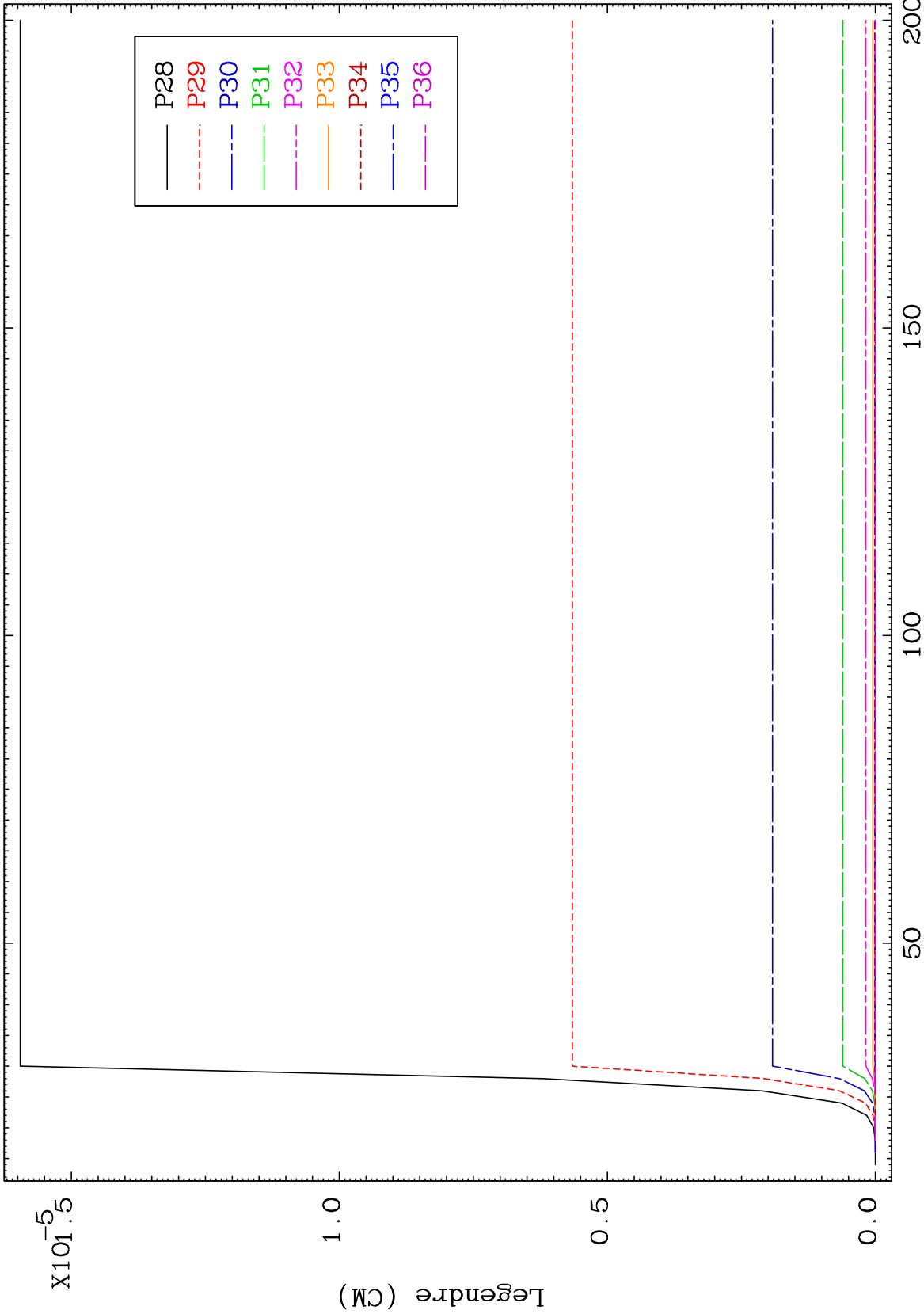
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



115

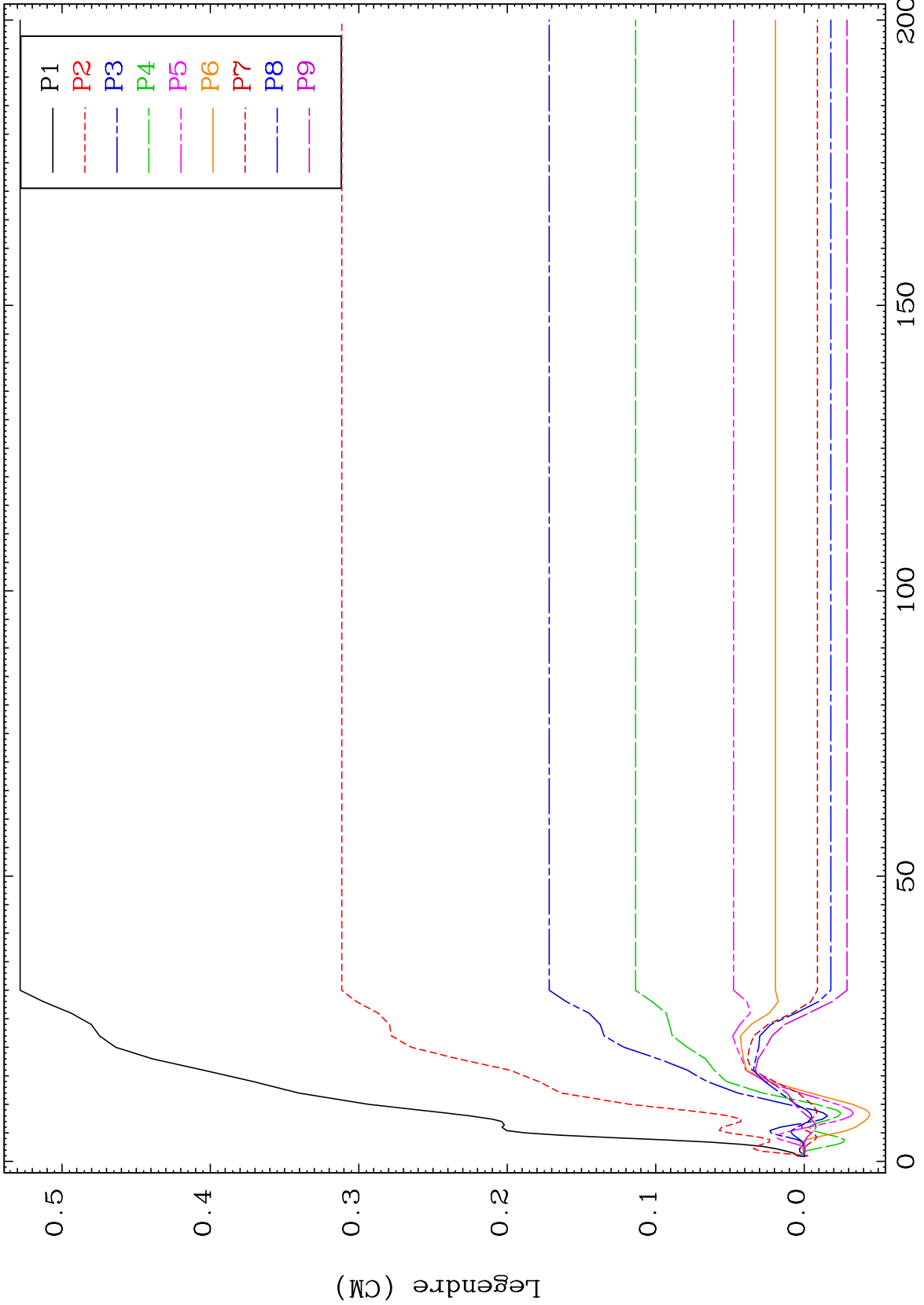
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



116

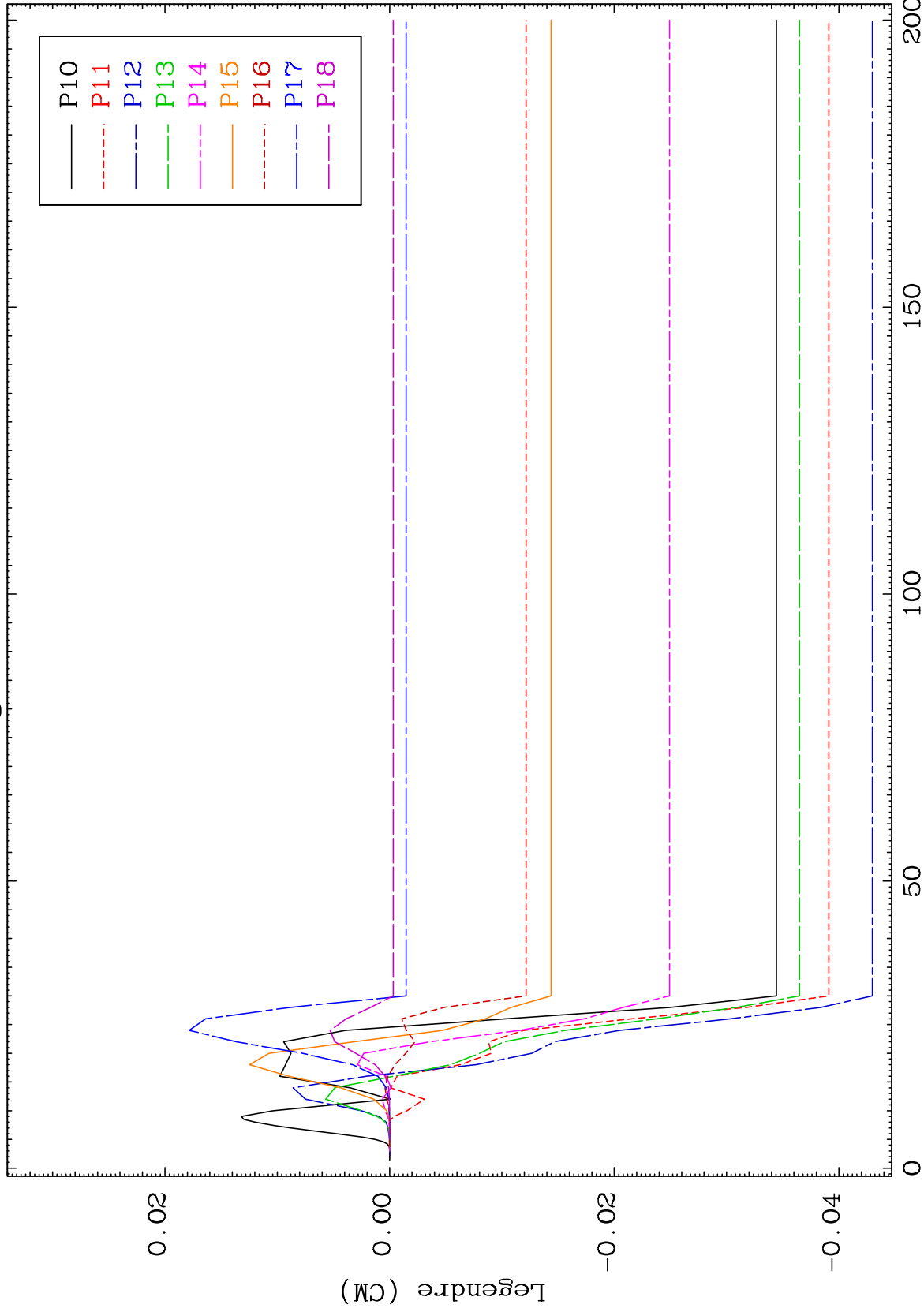
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



117

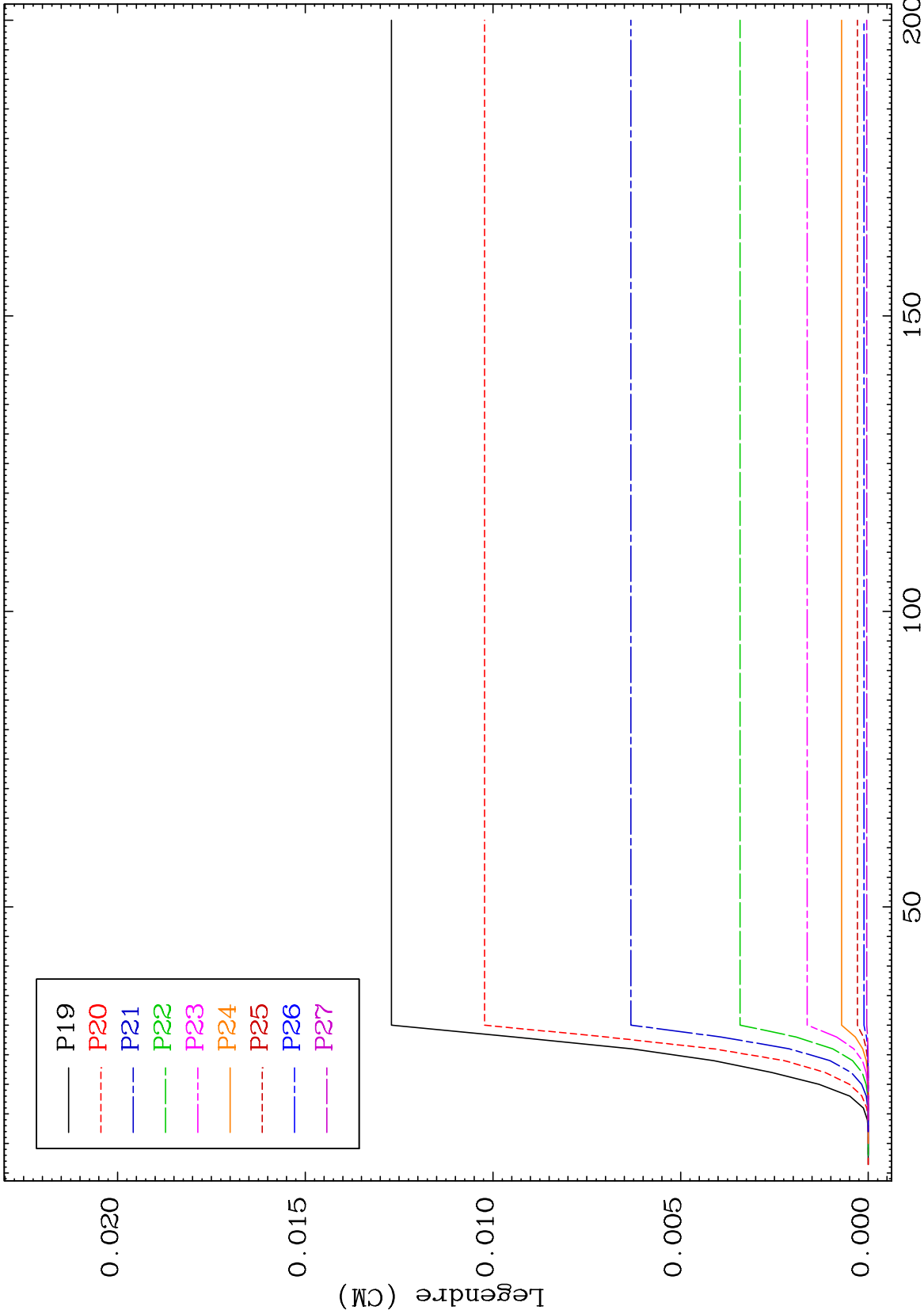
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



118

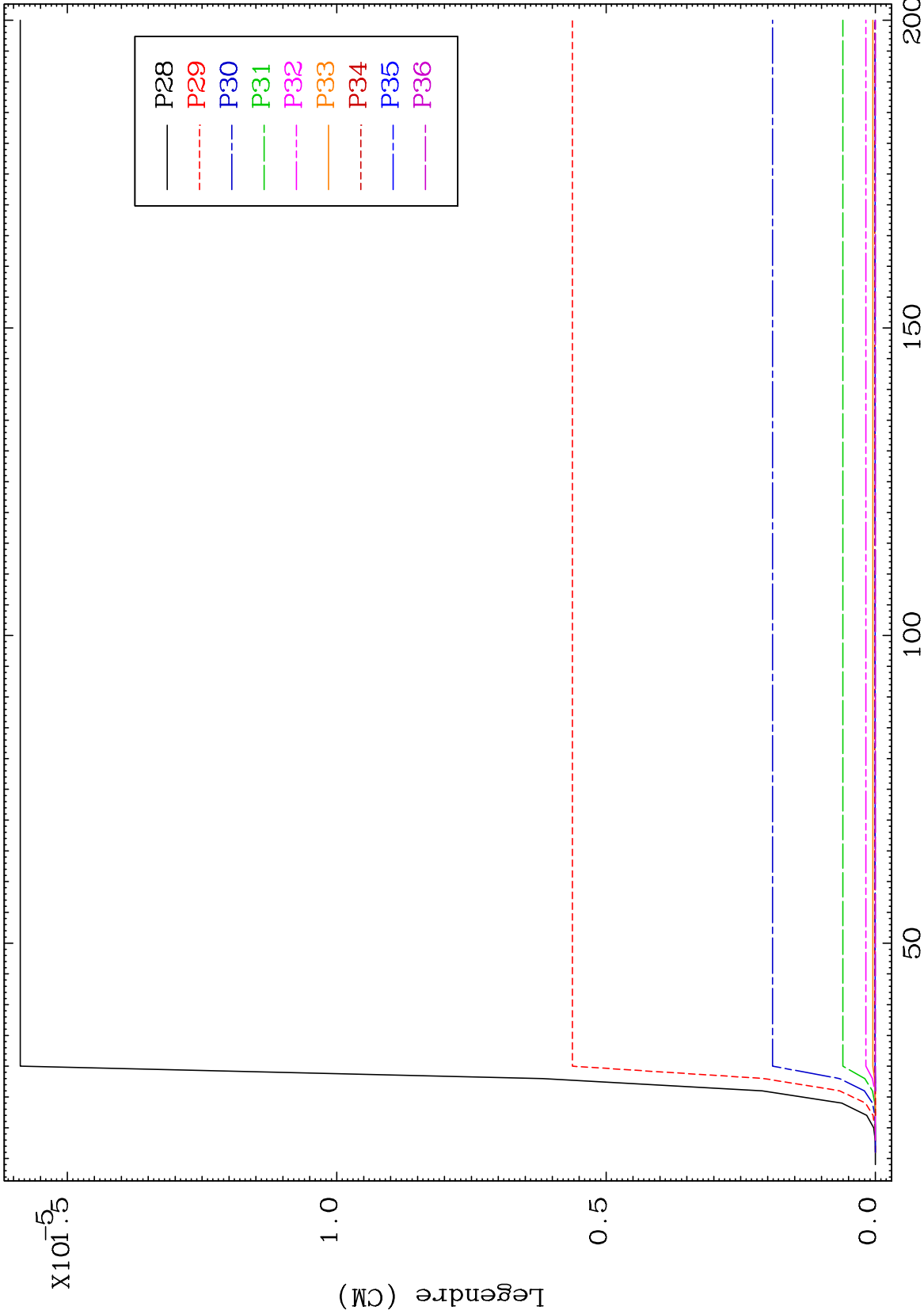
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



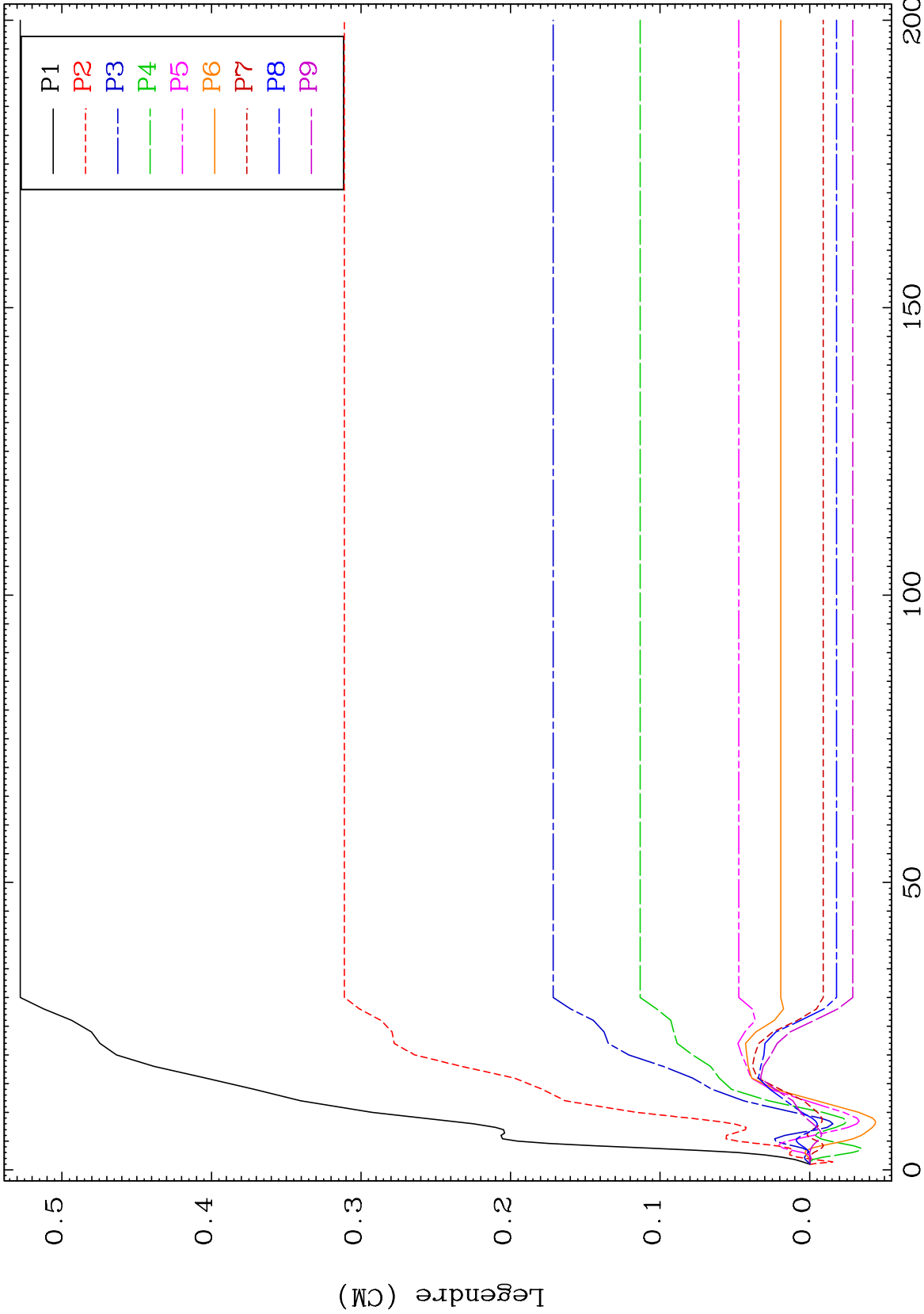
119

69-Tm-159

MAT 6895

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

69-Tm-159



69-Tm-159

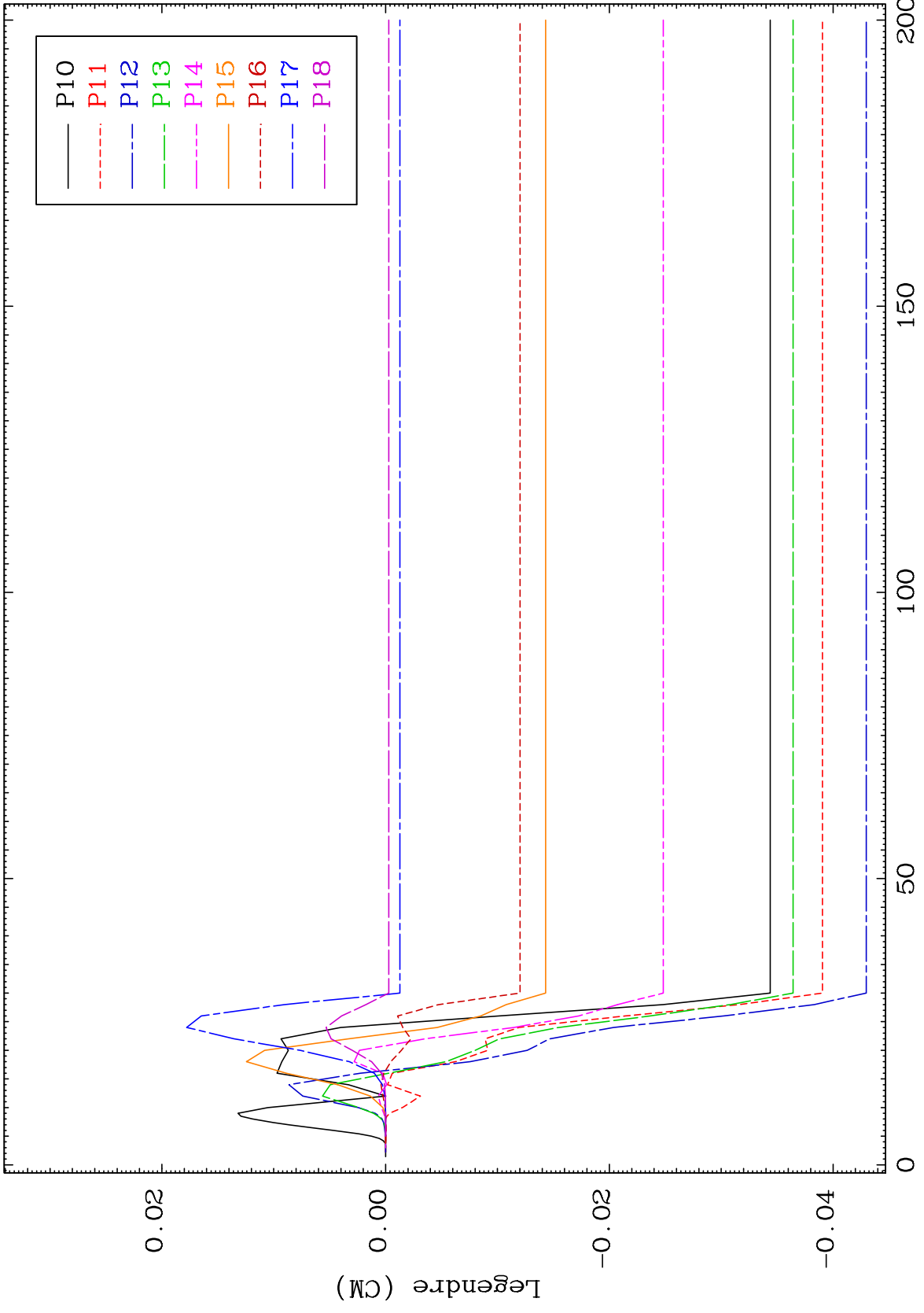
Incident Energy (MeV)

120

MAT 6895

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

69-Tm-159



121

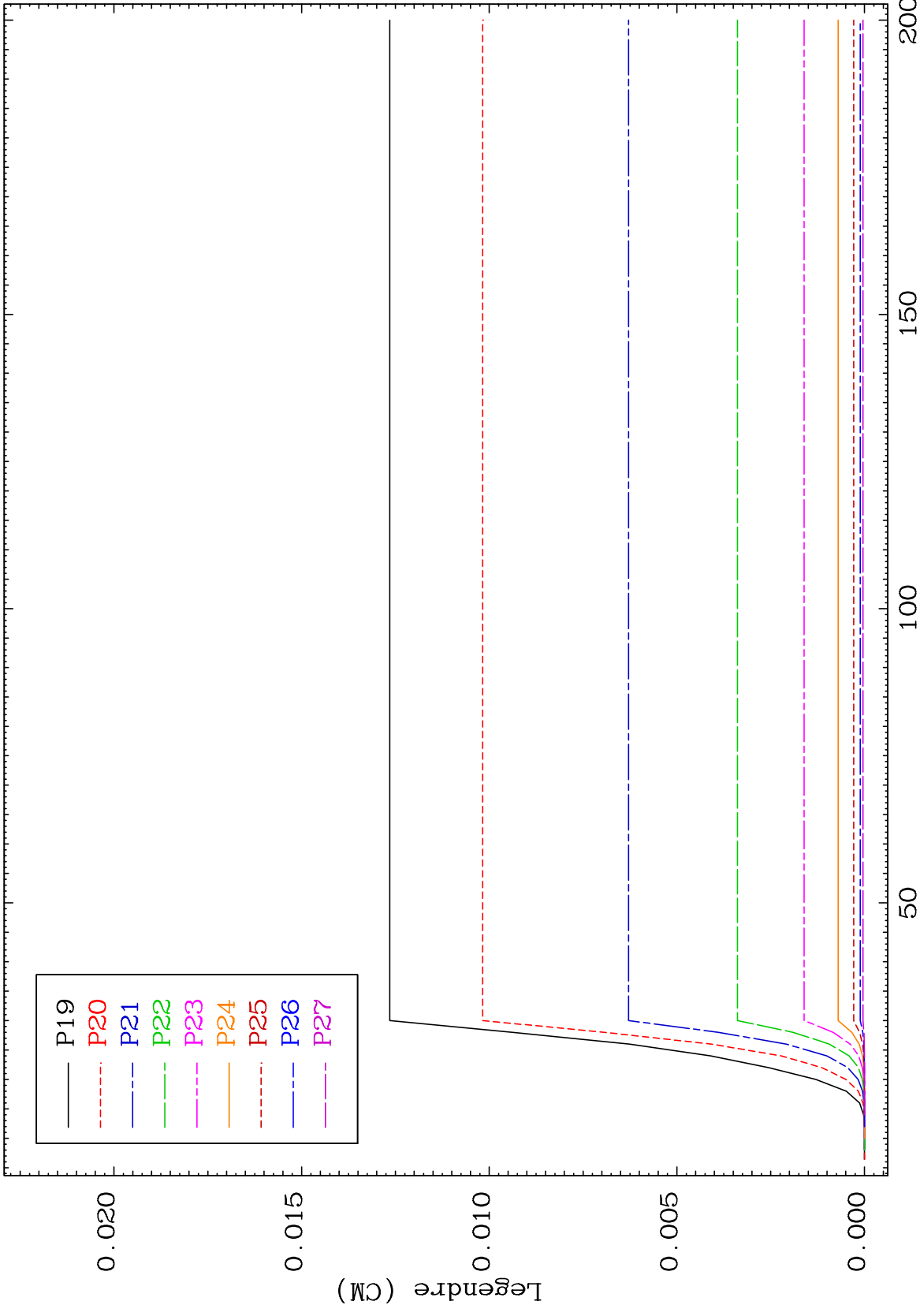
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



122

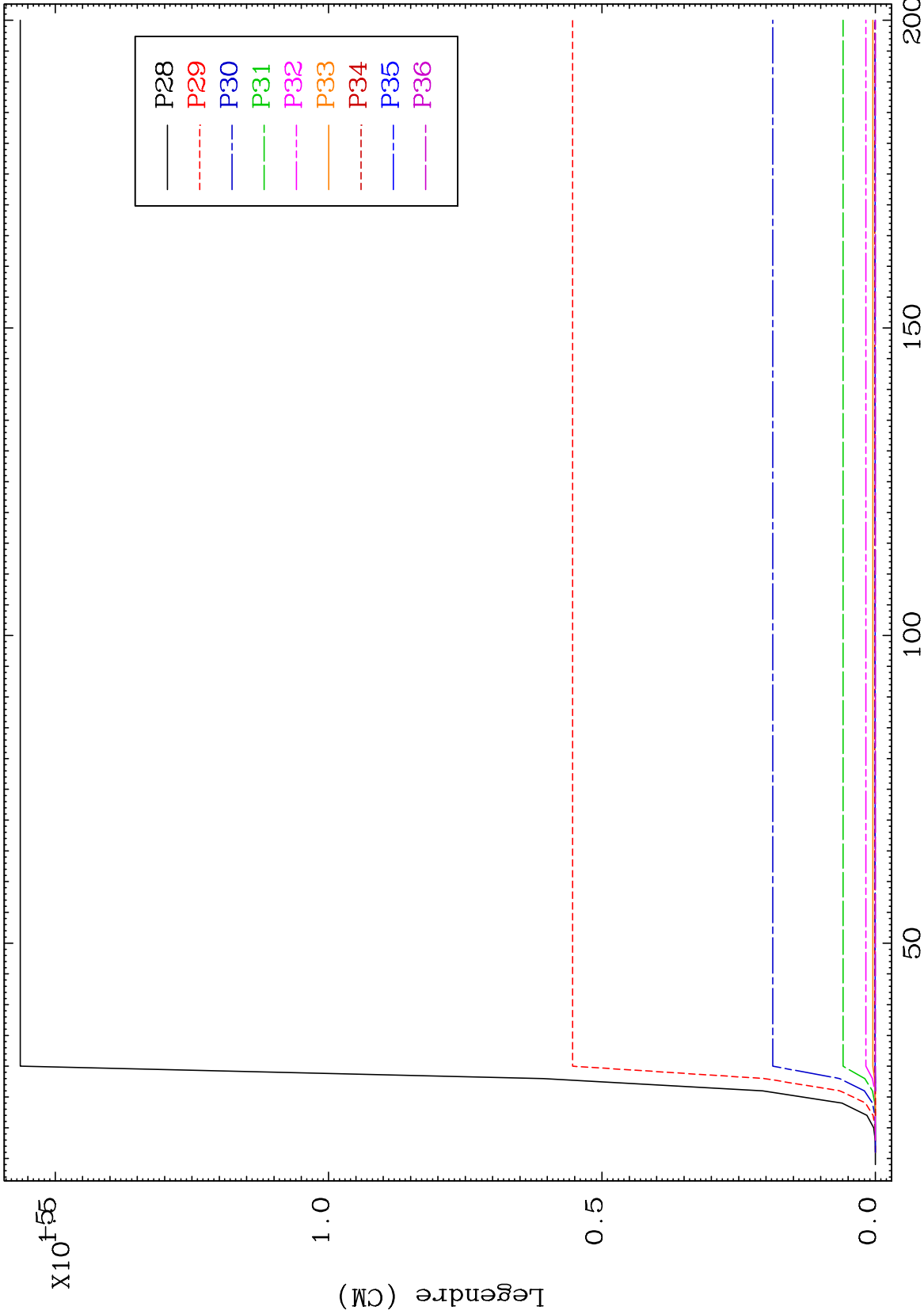
Incident Energy (MeV)

69-Tm-159

MAT 6895

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

69-Tm-159



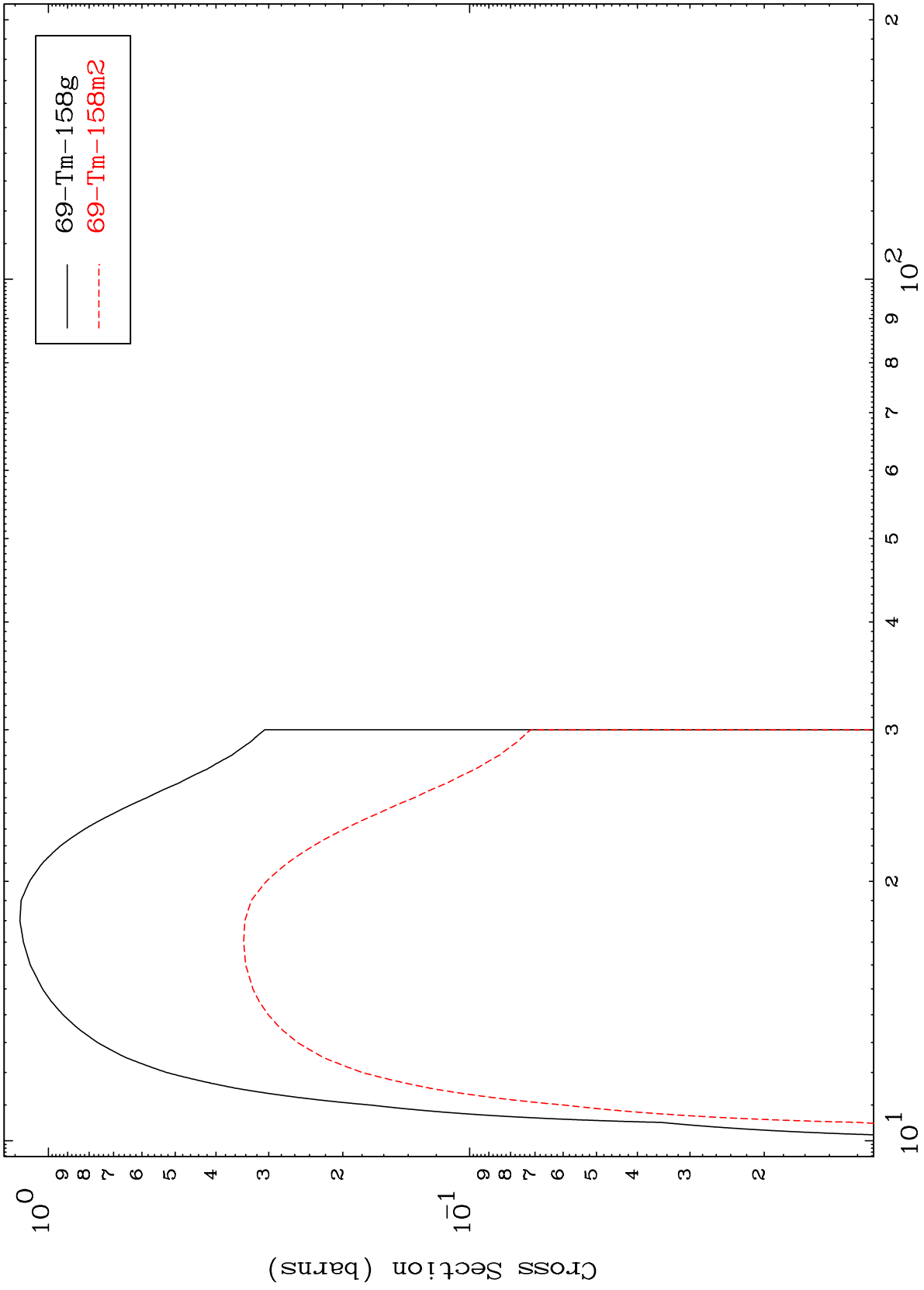
123

69-Tm-159

MAT 6895

69-Tm-159

(n,2n)
Radionuclide Production Cross Section



124

Incident Energy (MeV)

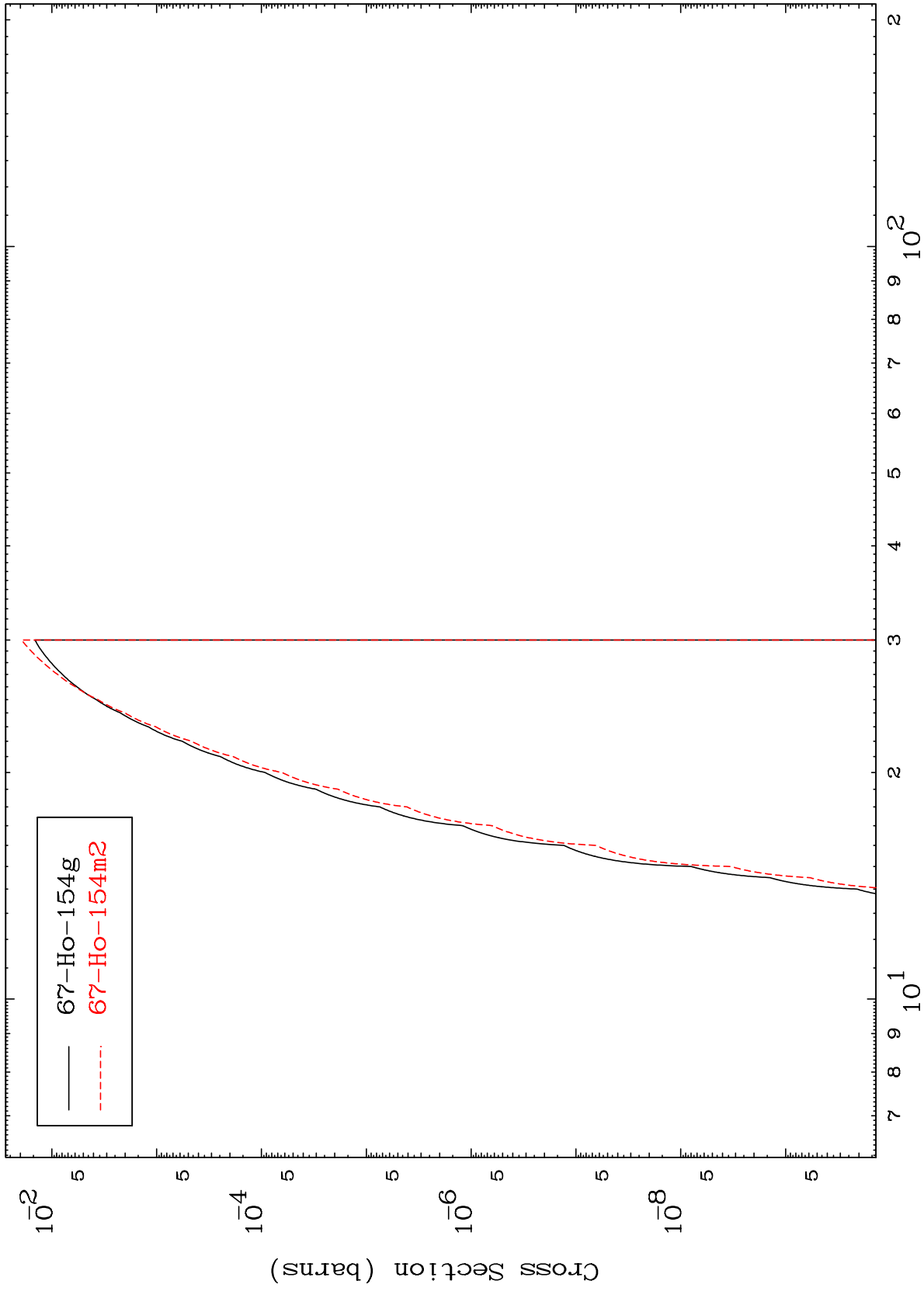
69-Tm-159

MAT 6895

$(n, 2n) \alpha$

69-Tm-159

Radionuclide Production Cross Section



67-Ho-154g
67-Ho-154m2

125

Incident Energy (MeV)

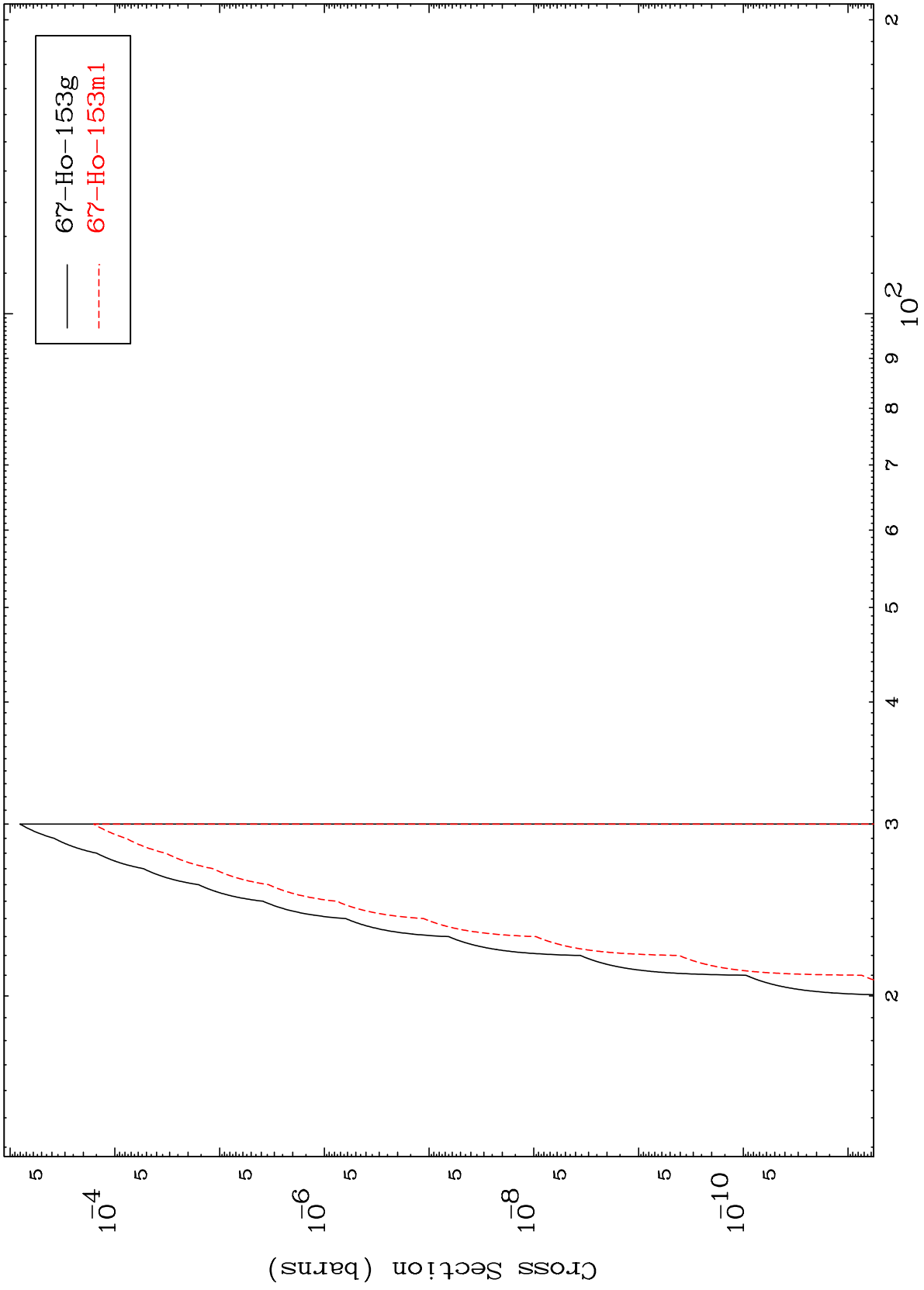
69-Tm-159

MAT 6895

$(n, 3n) \alpha$

69-Tm-159

Radionuclide Production Cross Section



126

Incident Energy (MeV)

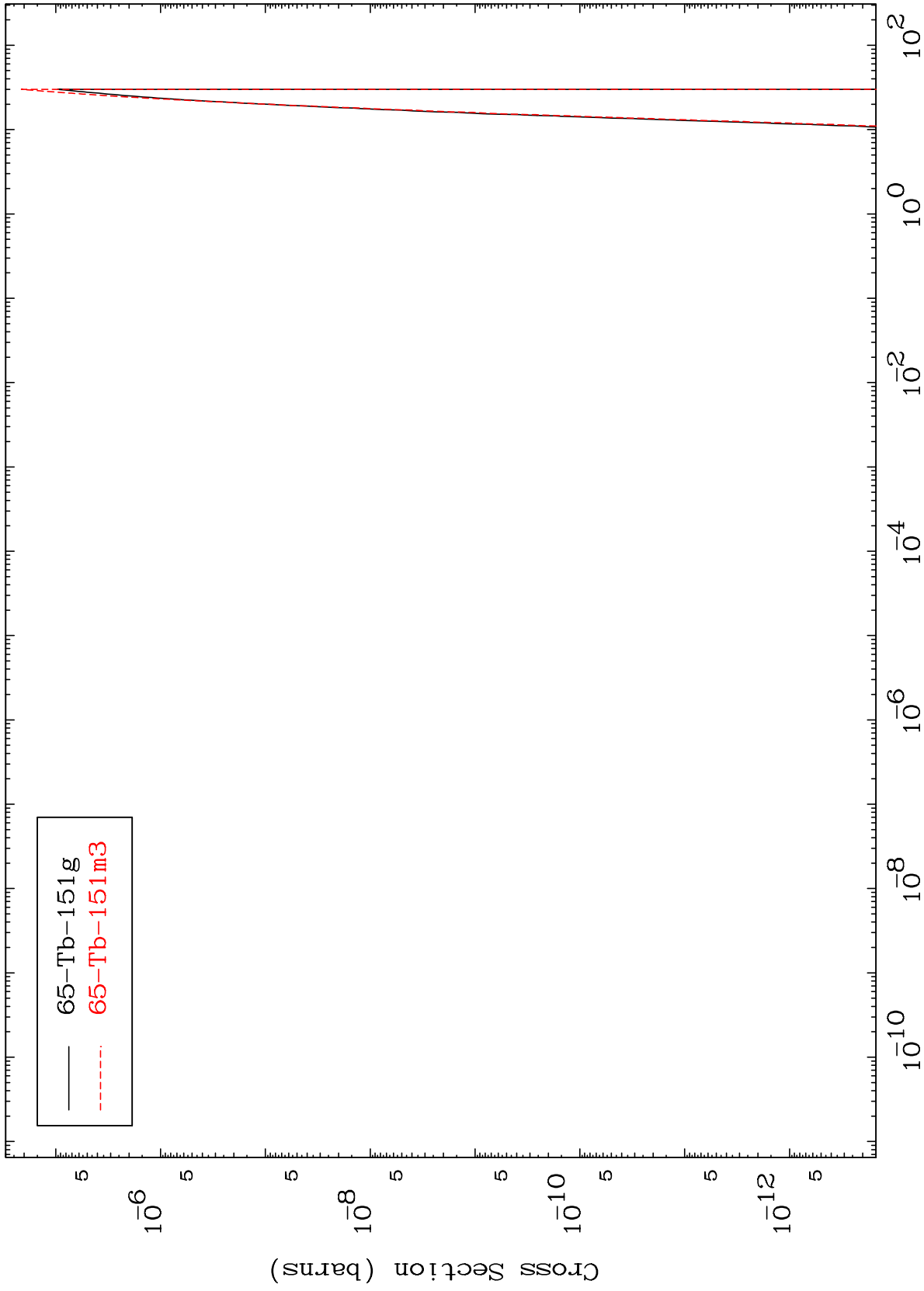
69-Tm-159

MAT 6895

(n,n') 2 α

69-Tm-159

Radionuclide Production Cross Section



127

Incident Energy (MeV)

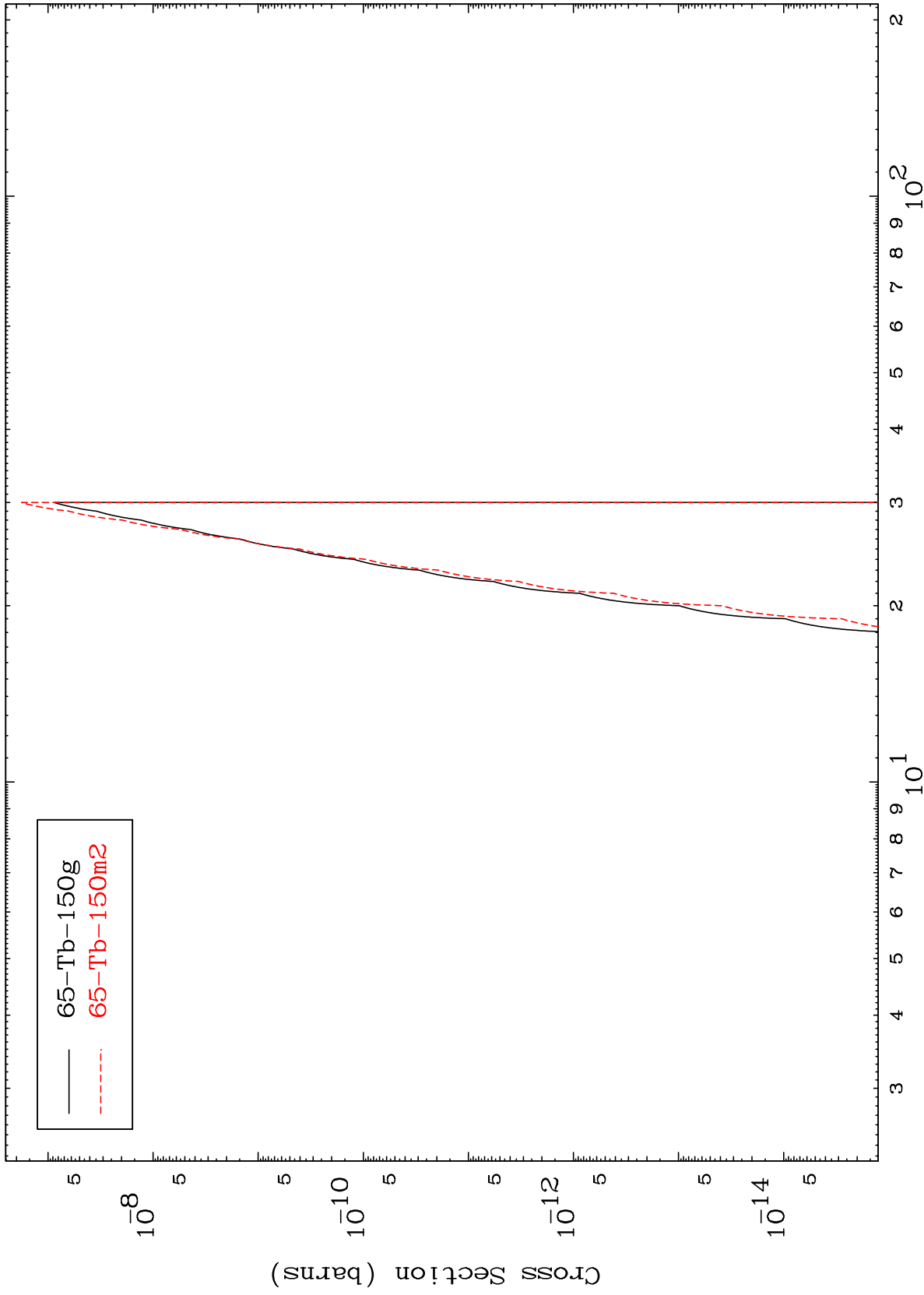
69-Tm-159

MAT 6895

(n,2n) 2α

69-Tm-159

Radionuclide Production Cross Section

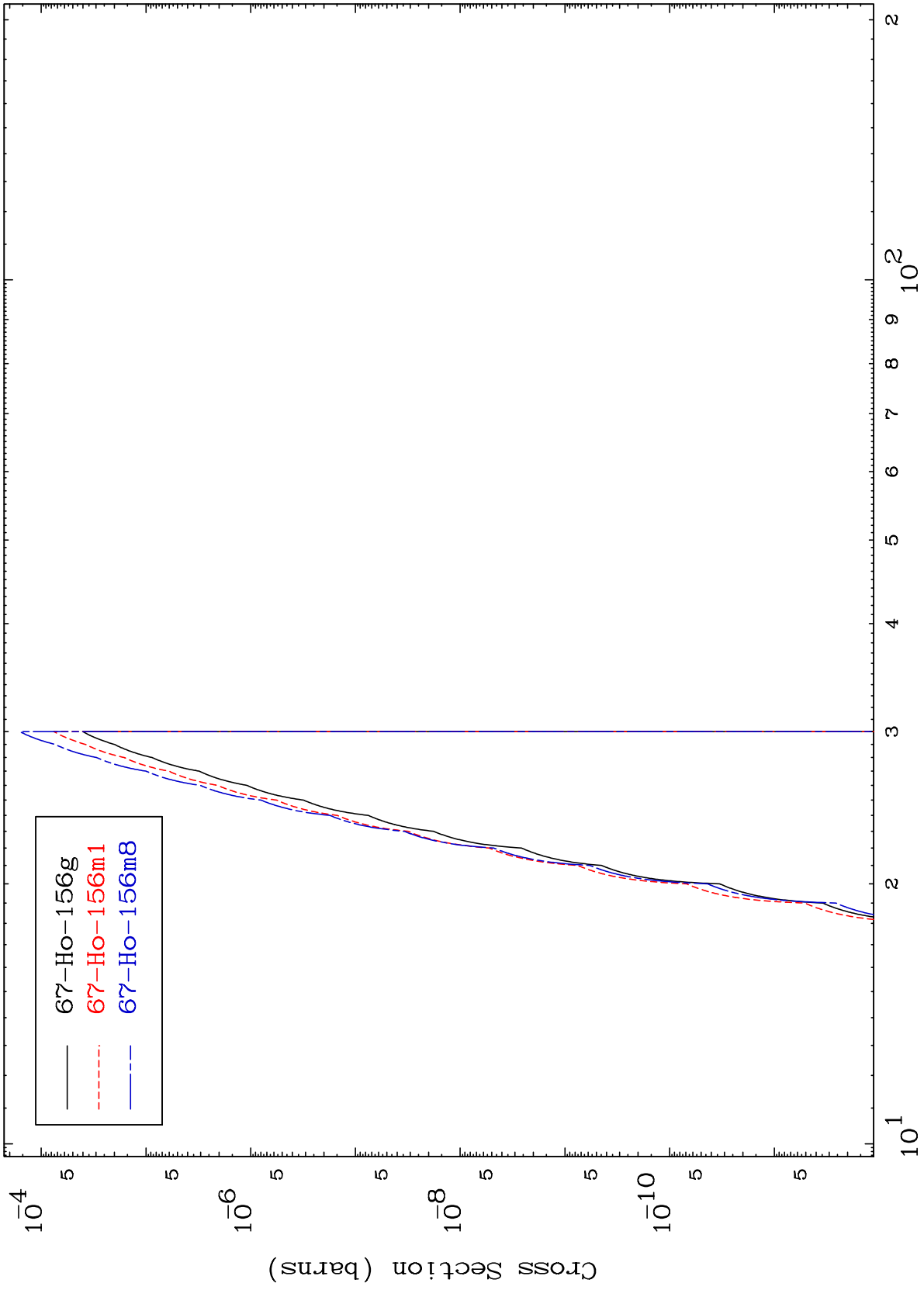


MAT 6895

(n, n') He-3

69-Tm-159

Radionuclide Production Cross Section



129

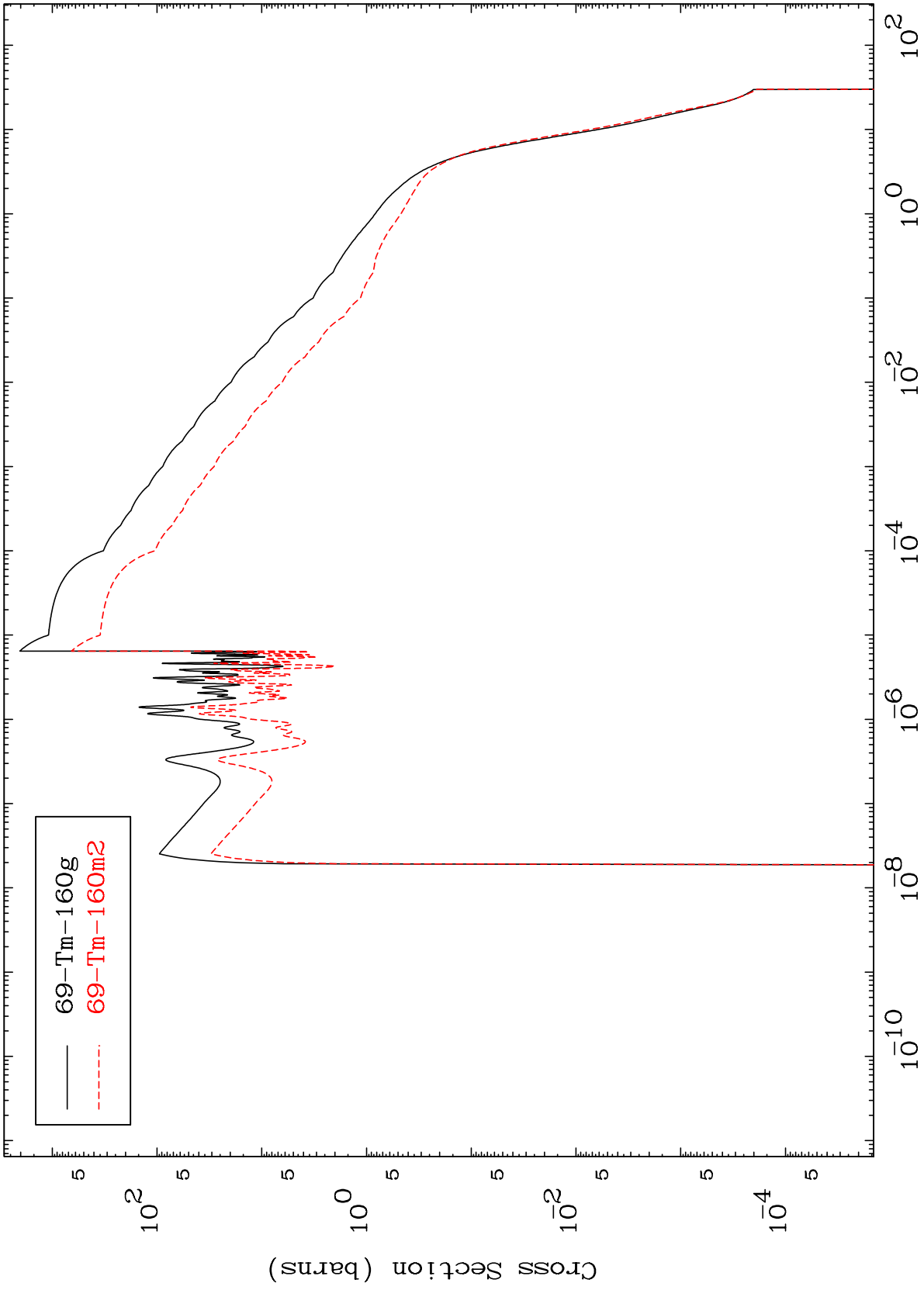
Incident Energy (MeV)

69-Tm-159

MAT 6895

69-Tm-159

Radionuclide Production Cross Section (n,γ)



130

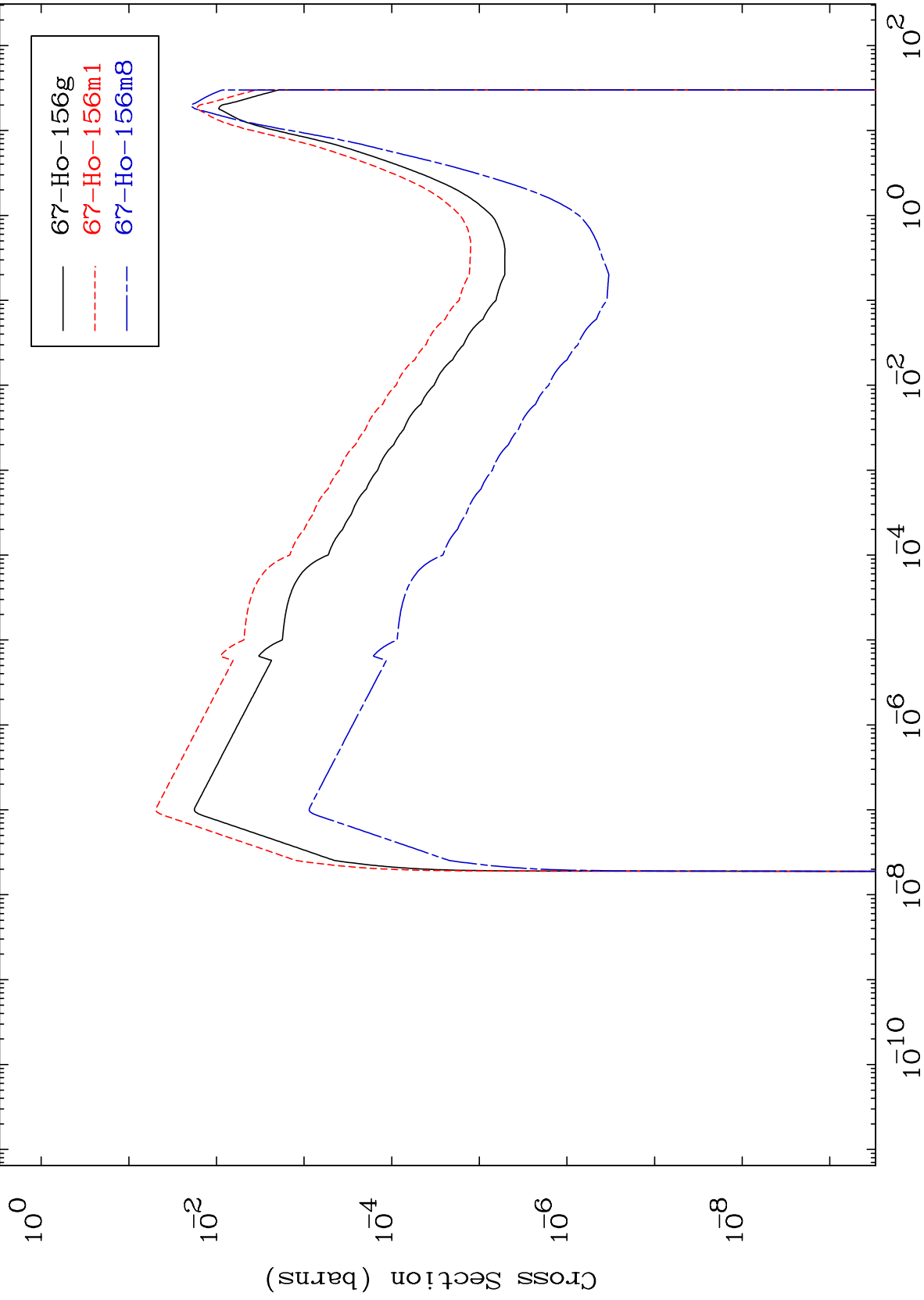
69-Tm-159

MAT 6895

(n, α)

69-Tm-159

Radionuclide Production Cross Section



131

Incident Energy (MeV)

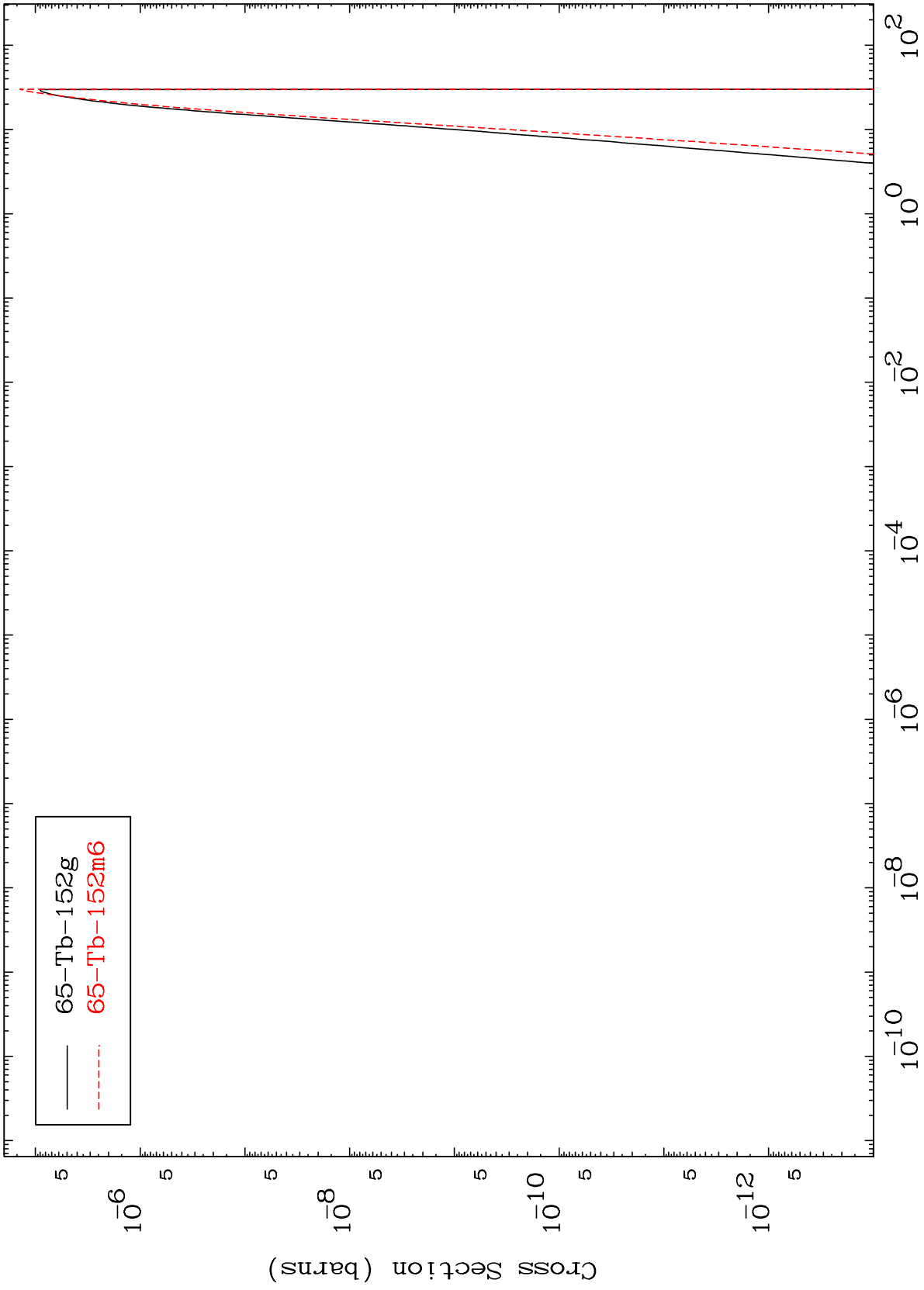
69-Tm-159

MAT 6895

(n,2α)

69-Tm-159

Radionuclide Production Cross Section



132

Incident Energy (MeV)

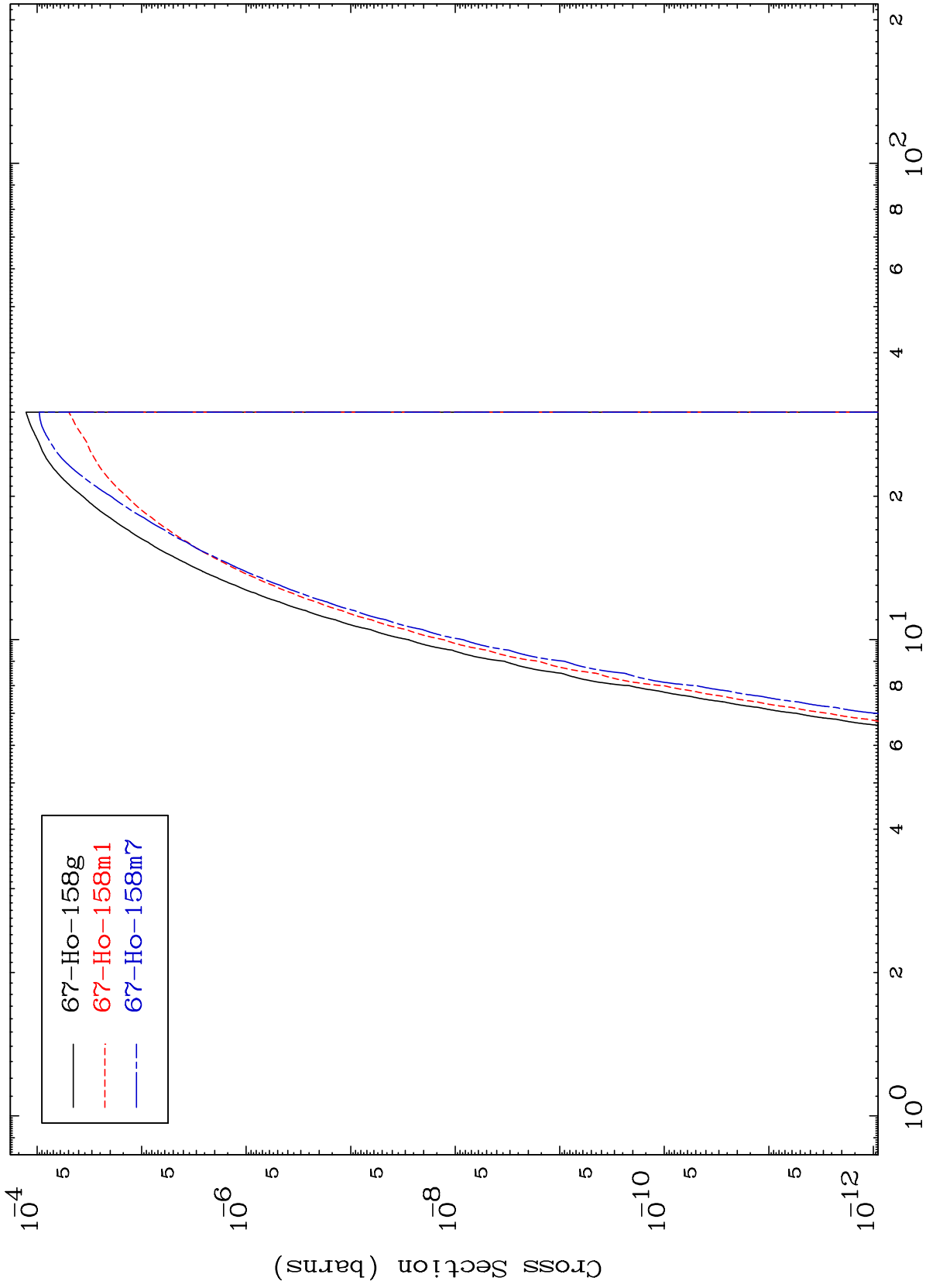
69-Tm-159

MAT 6895

(n,2p)

69-Tm-159

Radionuclide Production Cross Section



133

Incident Energy (MeV)

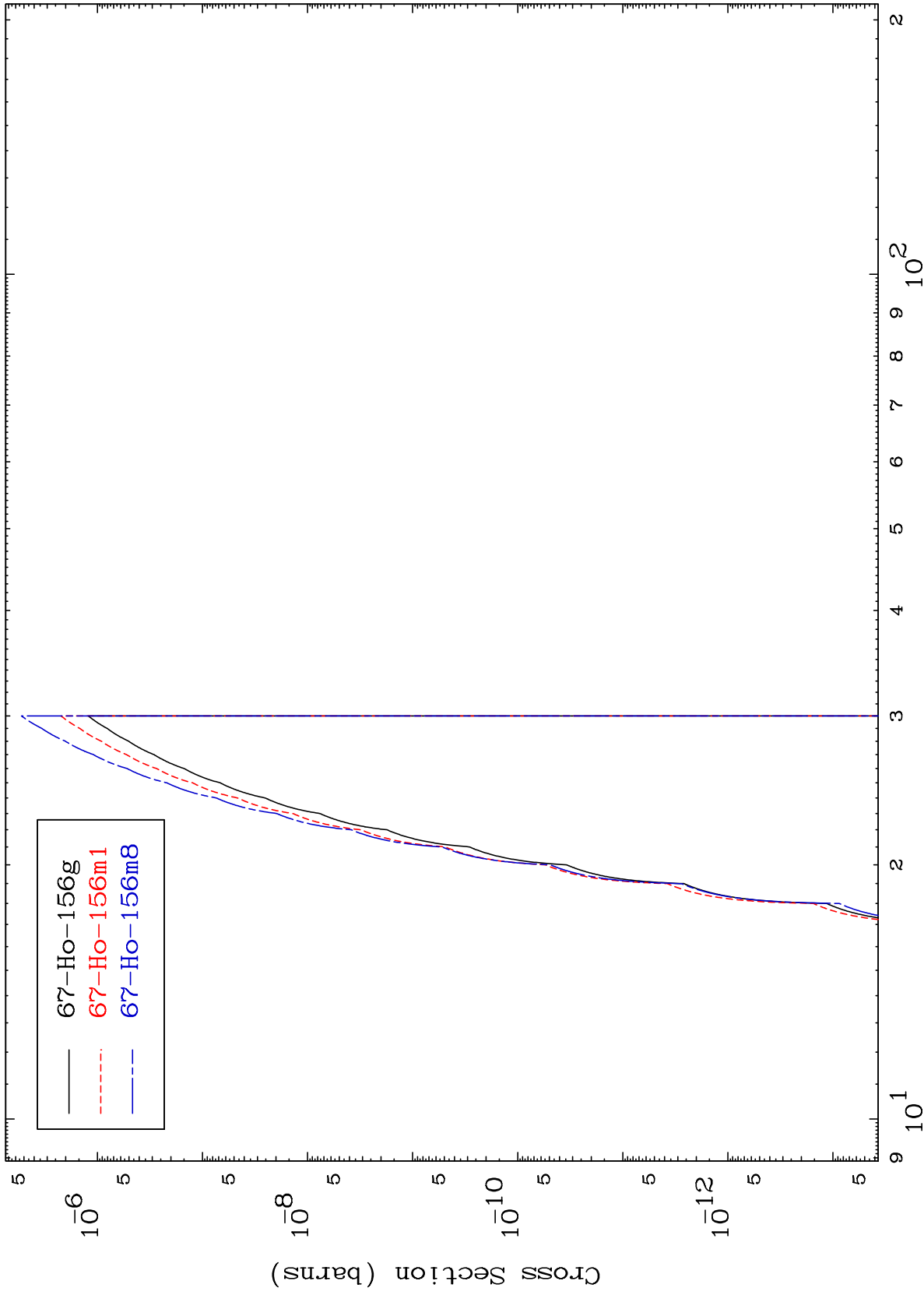
69-Tm-159

MAT 6895

(n,p) t

69-Tm-159

Radionuclide Production Cross Section



134

Incident Energy (MeV)

69-Tm-159