

Program EVALPLOT
(Version 2018-1)

by

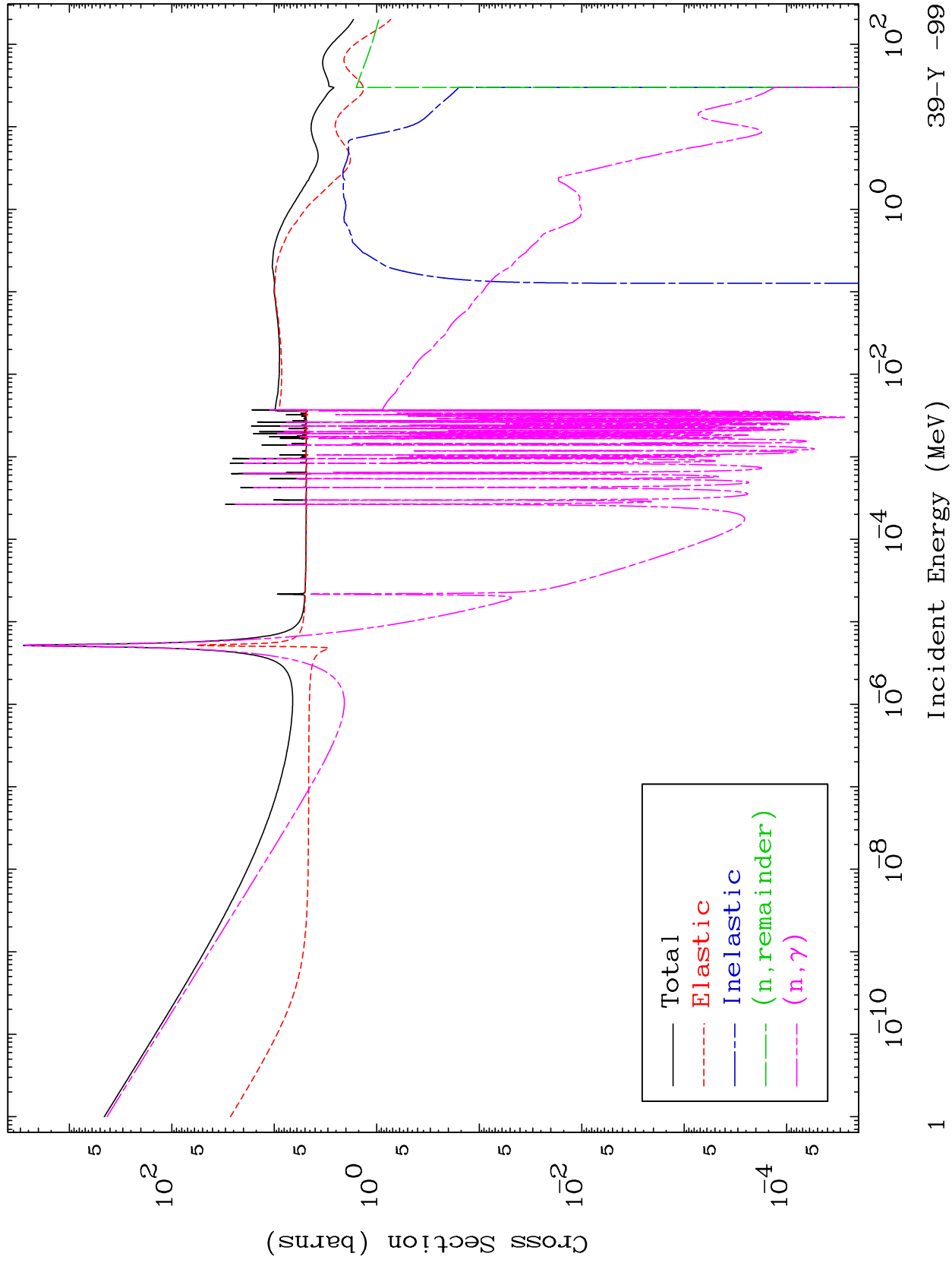
Dermott E. Cullen
(Present Contact Information)

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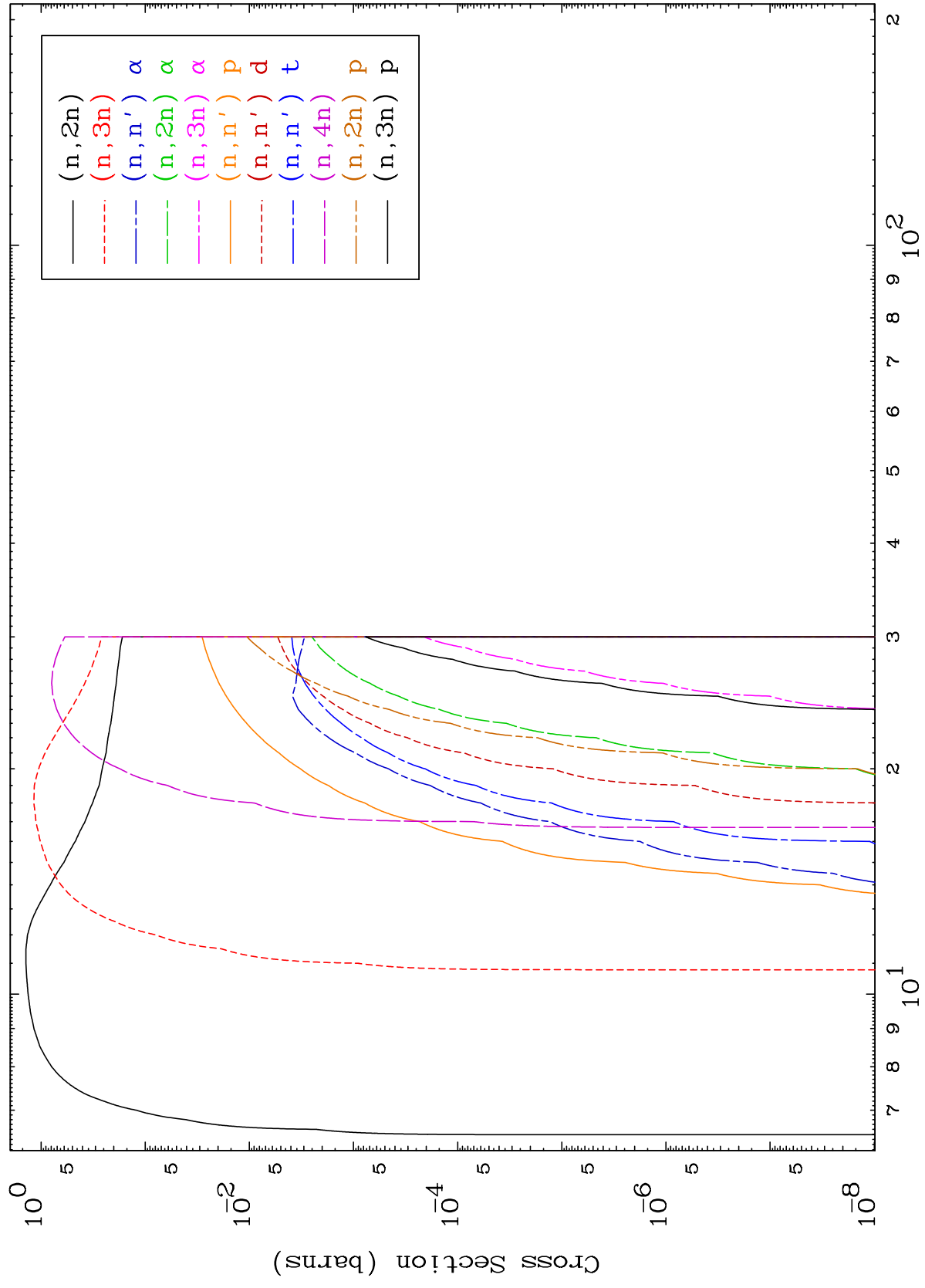
Press Mouse Button to Start



MAT 3955

Neutron Production
293 Kelvin Cross Sections

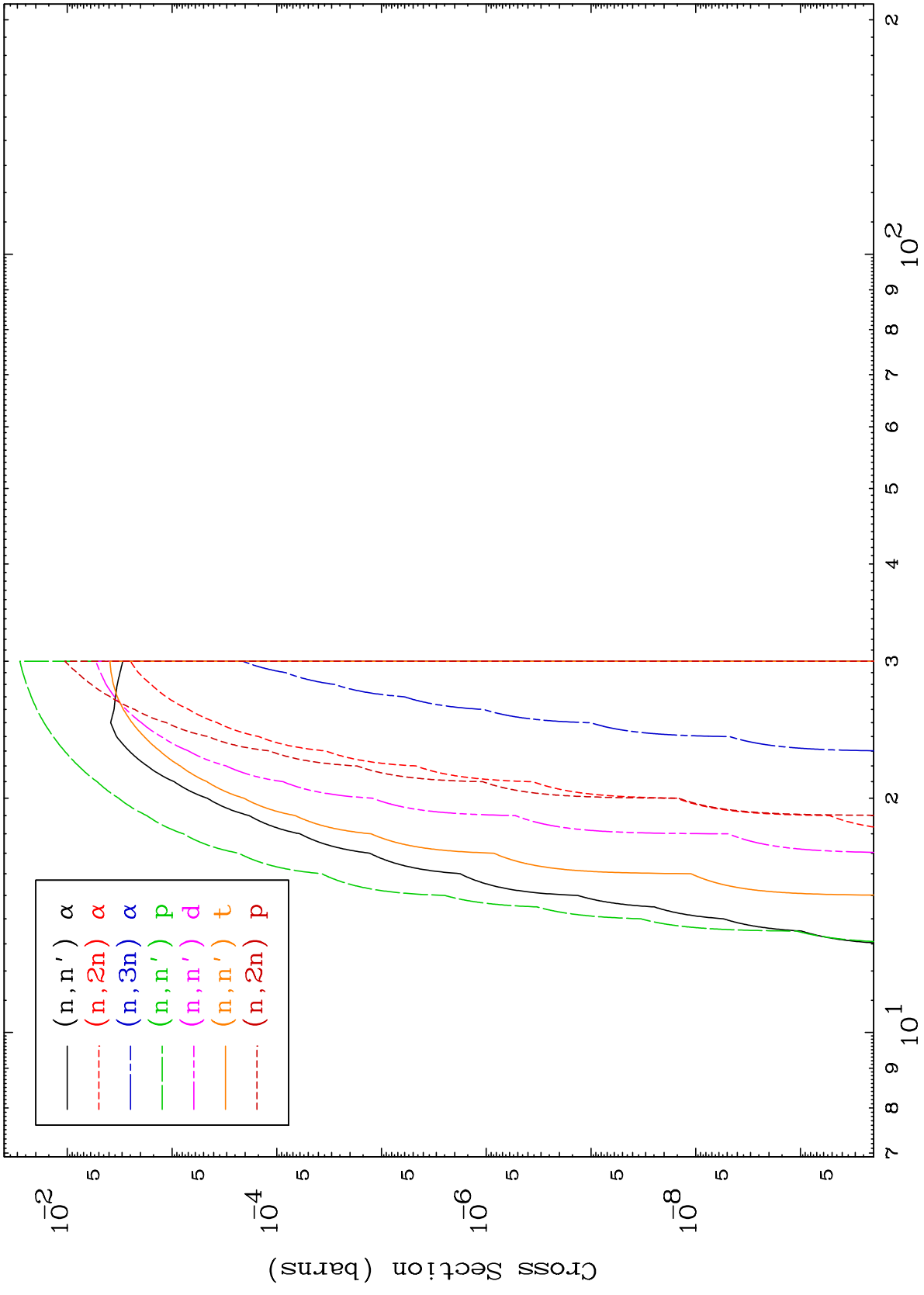
39-Y -99



2

Incident Energy (MeV)

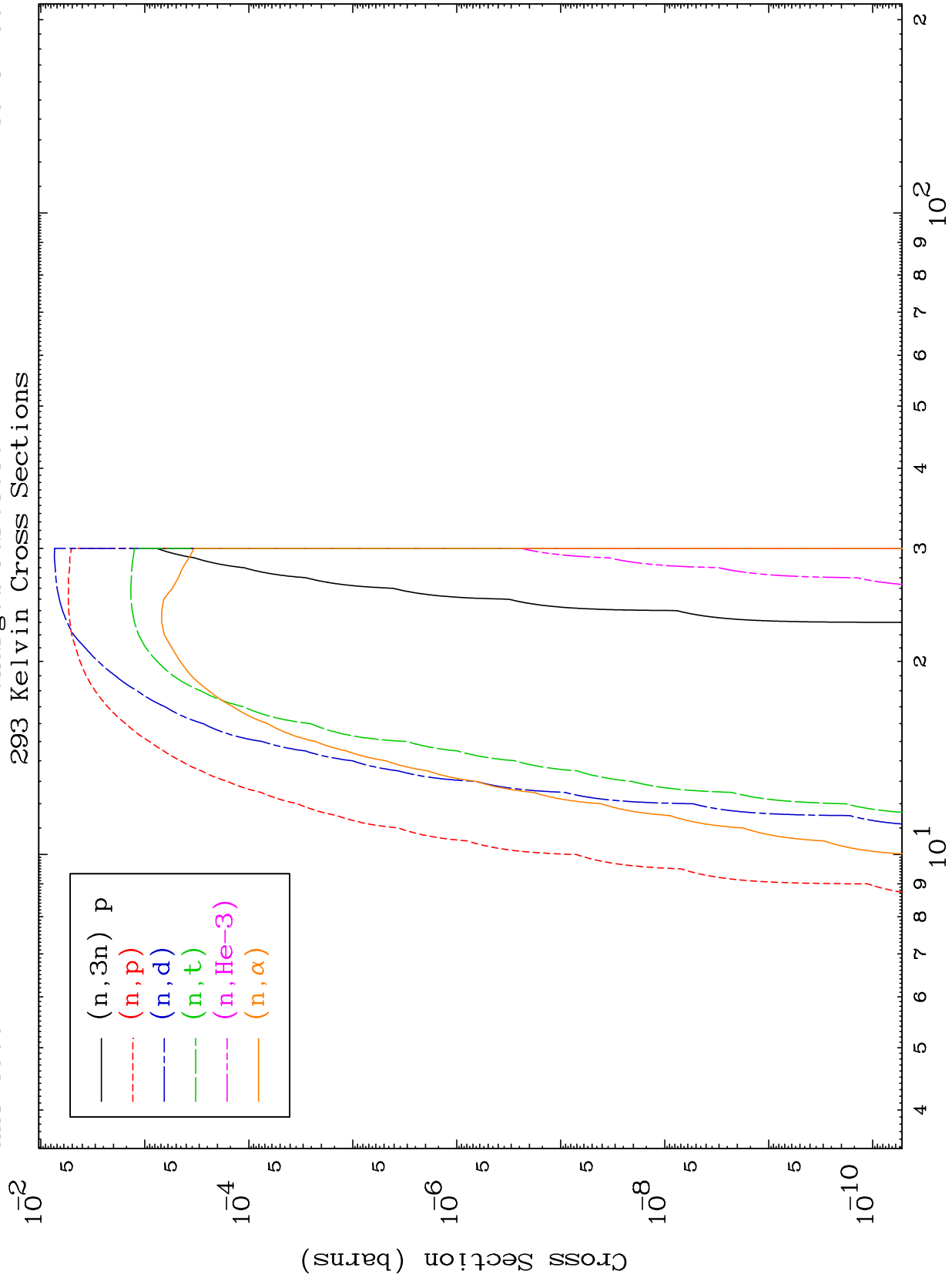
39-Y -99



MAT 3955

Charged Particle
293 Kelvin Cross Sections

39-Y -99



4

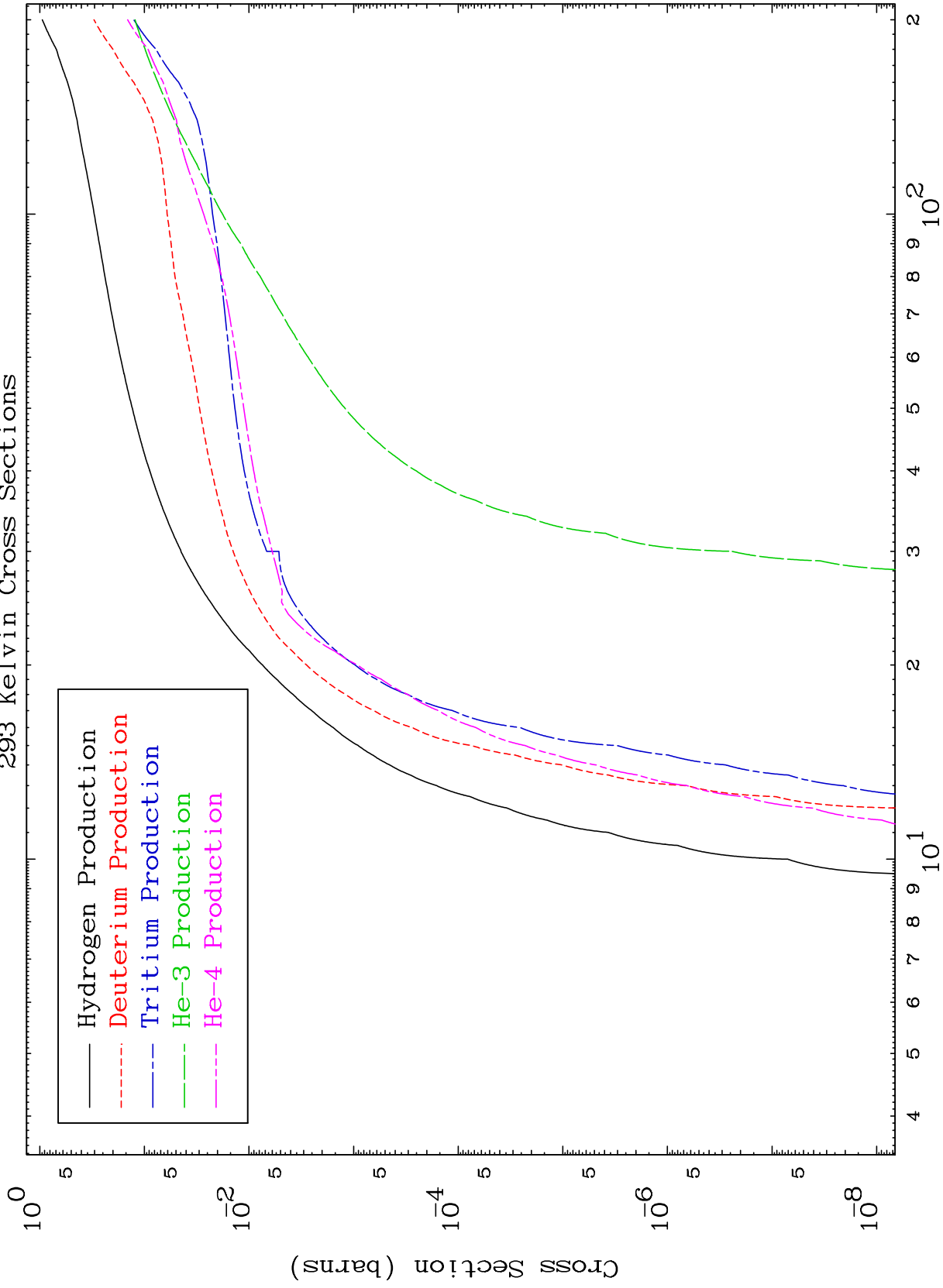
Incident Energy (MeV)

39-Y -99

MAT 3955

Particle Production
293 Kelvin Cross Sections

39-Y -99



5

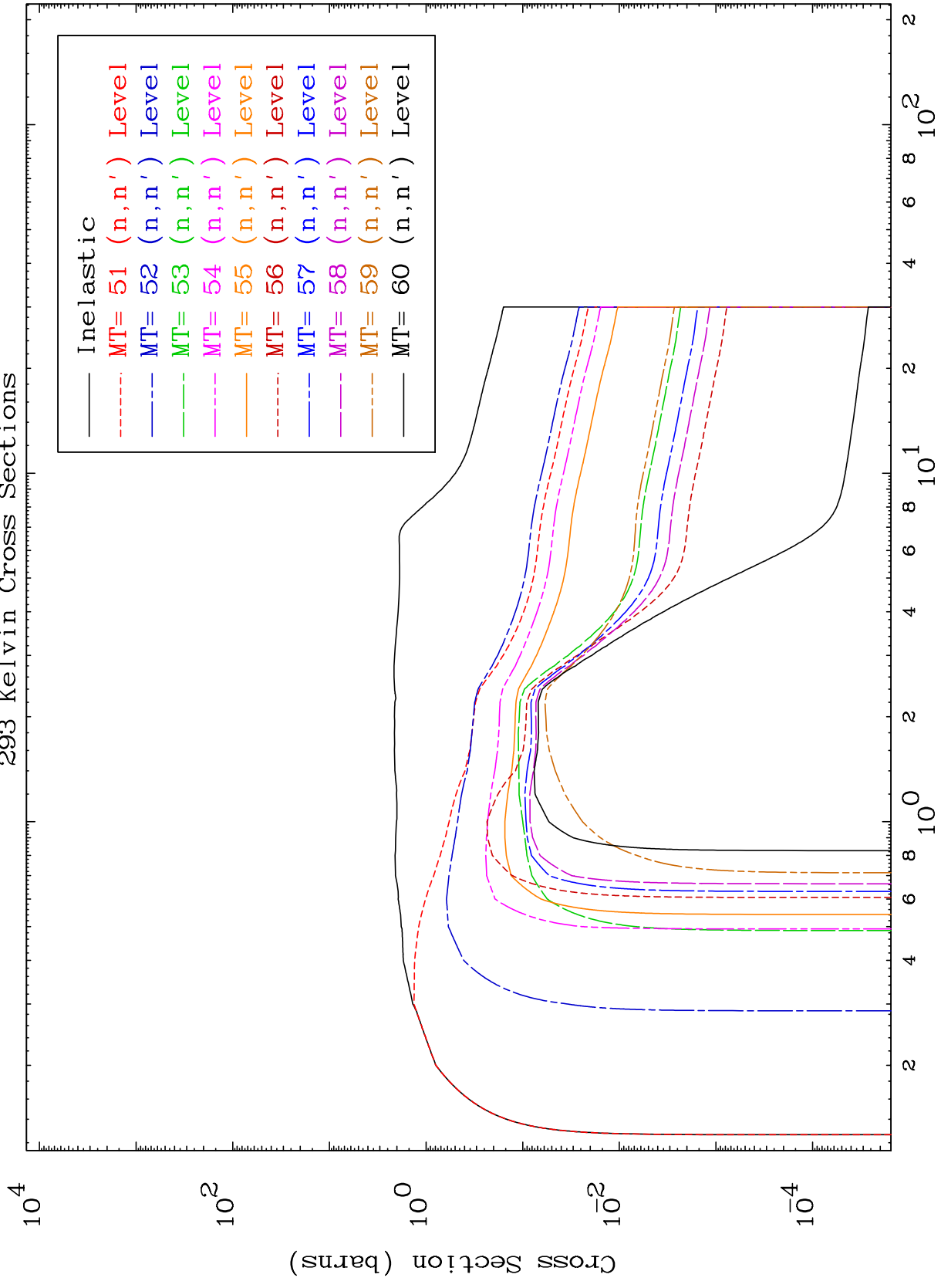
Incident Energy (MeV)

39-Y -99

MAT 3955

(n,n') Level
293 Kelvin Cross Sections

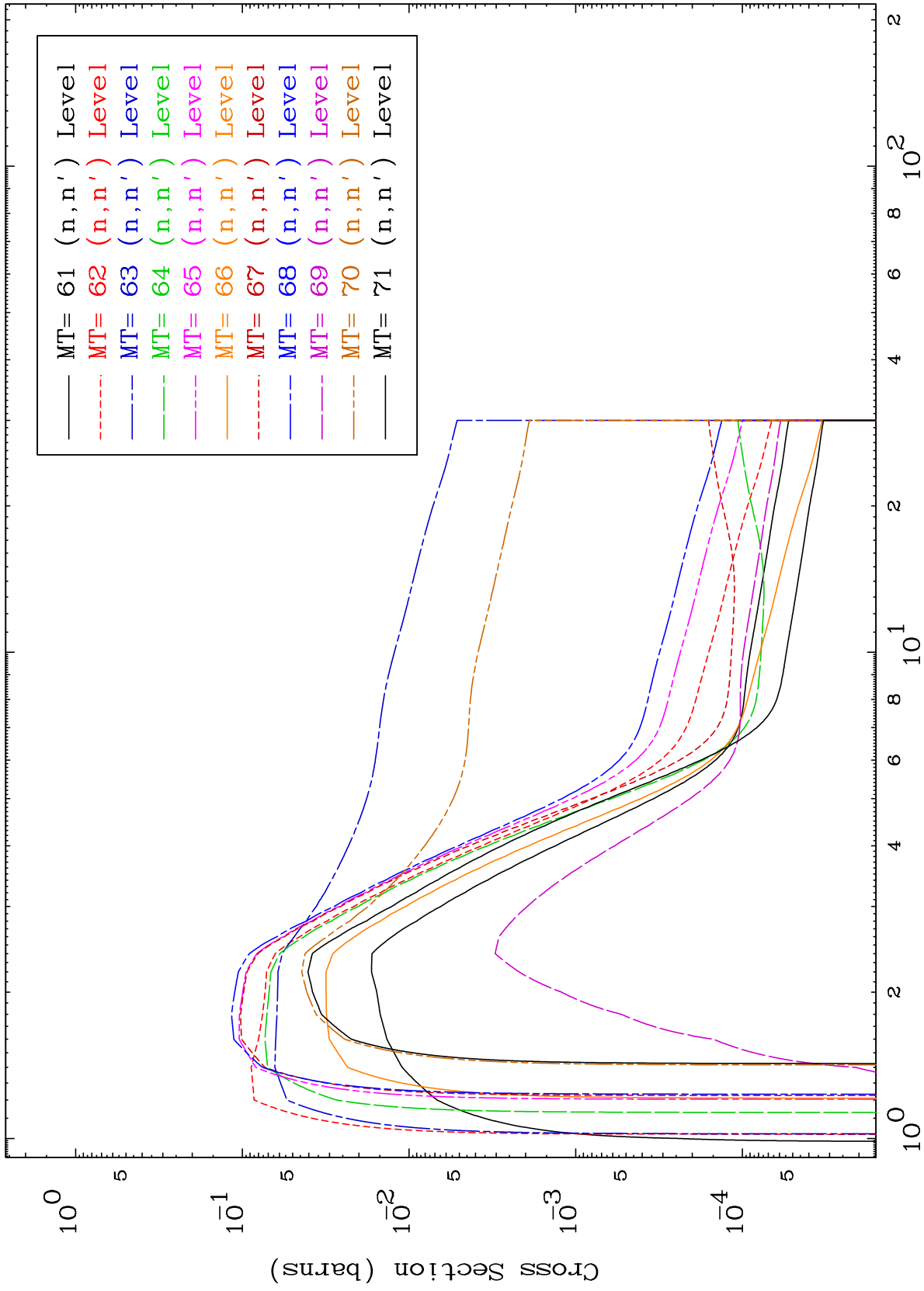
39-Y -99



MAT 3955

(n,n') Level
293 Kelvin Cross Sections

39-Y -99



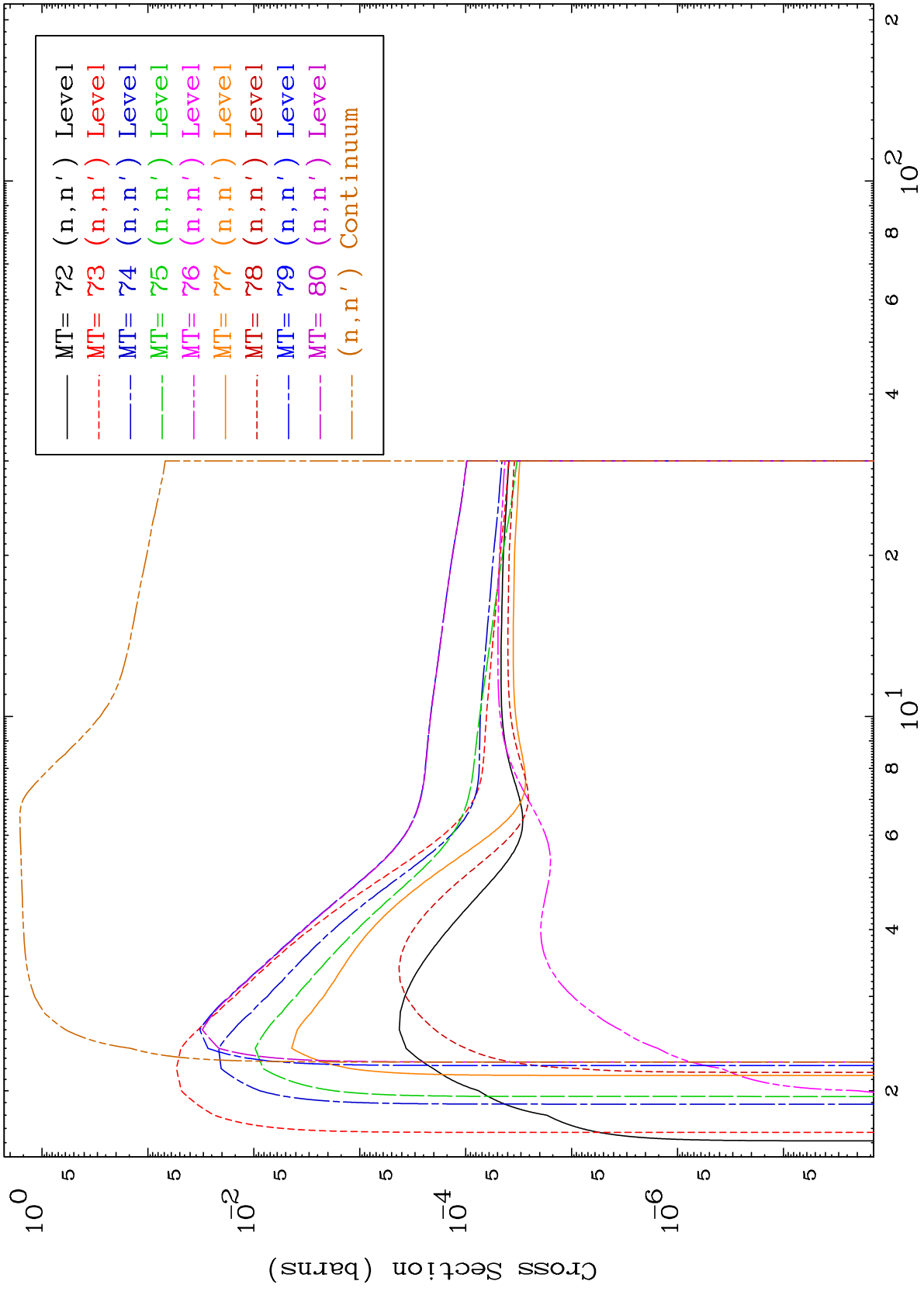
Incident Energy (MeV)

39-Y -99

MAT 3955

(n, n') Level
293 Kelvin Cross Sections

39-Y -99



8

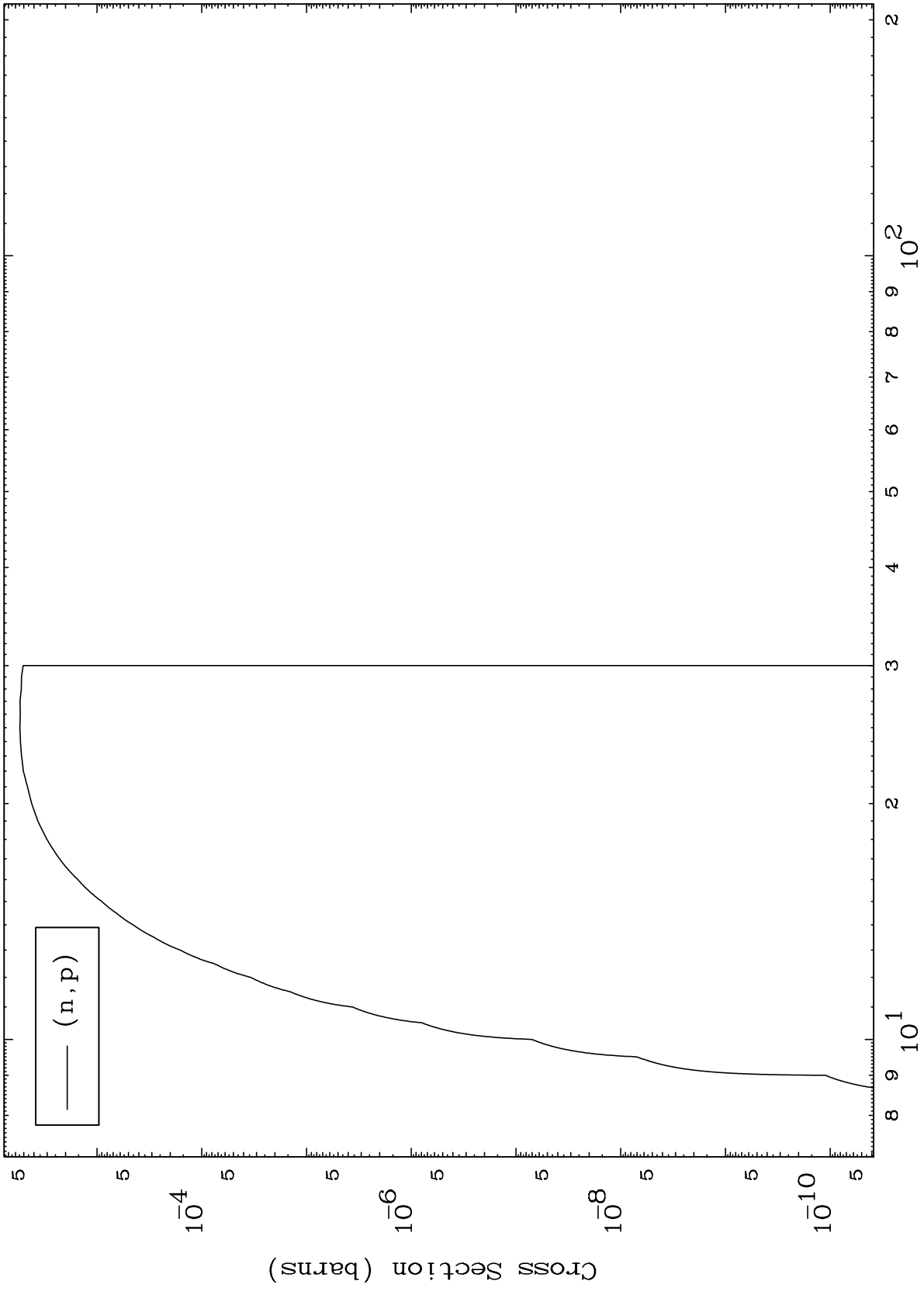
Incident Energy (MeV)

39-Y -99

MAT 3955

(n,p) Levels
293 Kelvin Cross Sections

39-Y -99



9

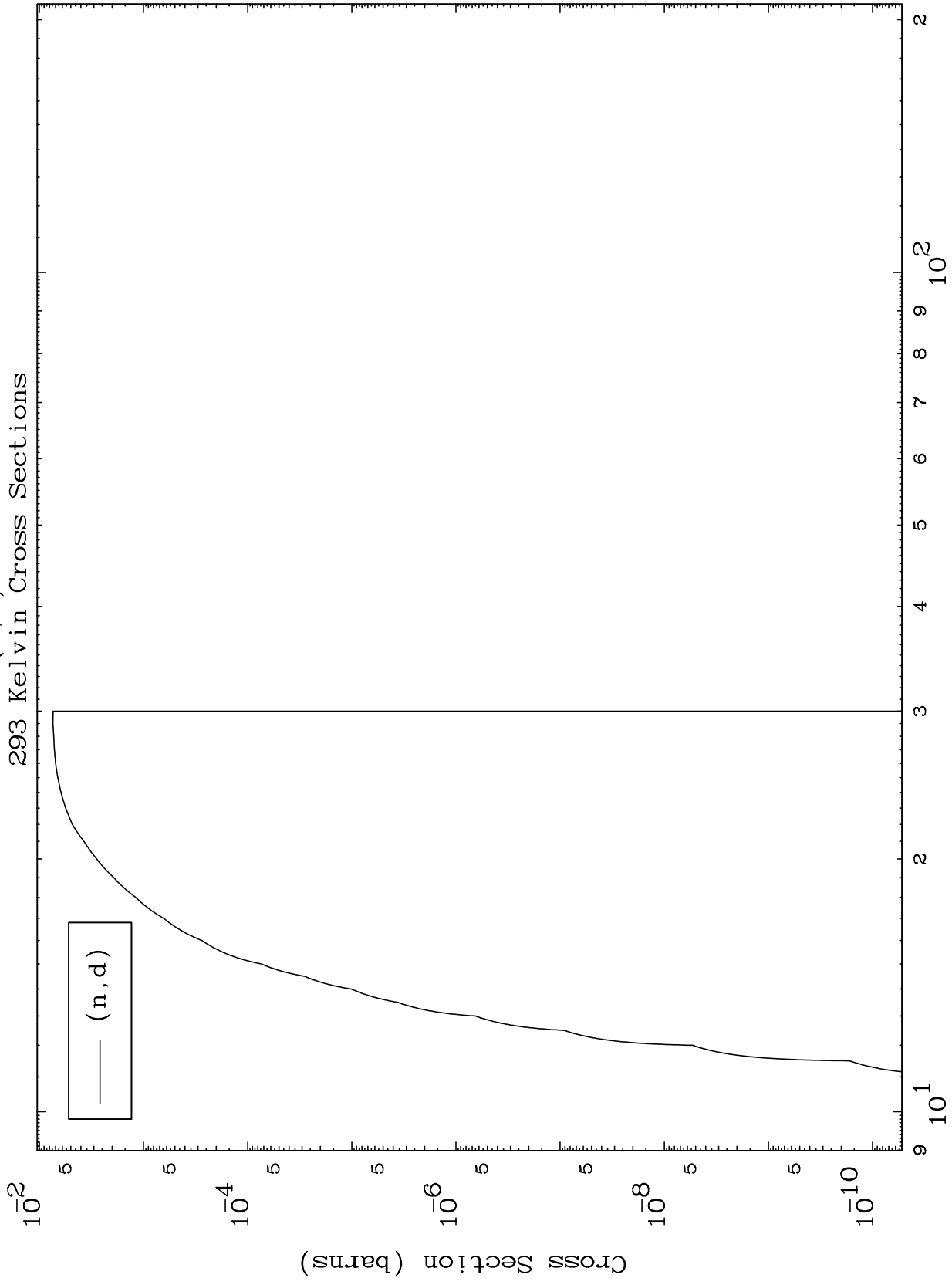
Incident Energy (MeV)

39-Y -99

MAT 3955

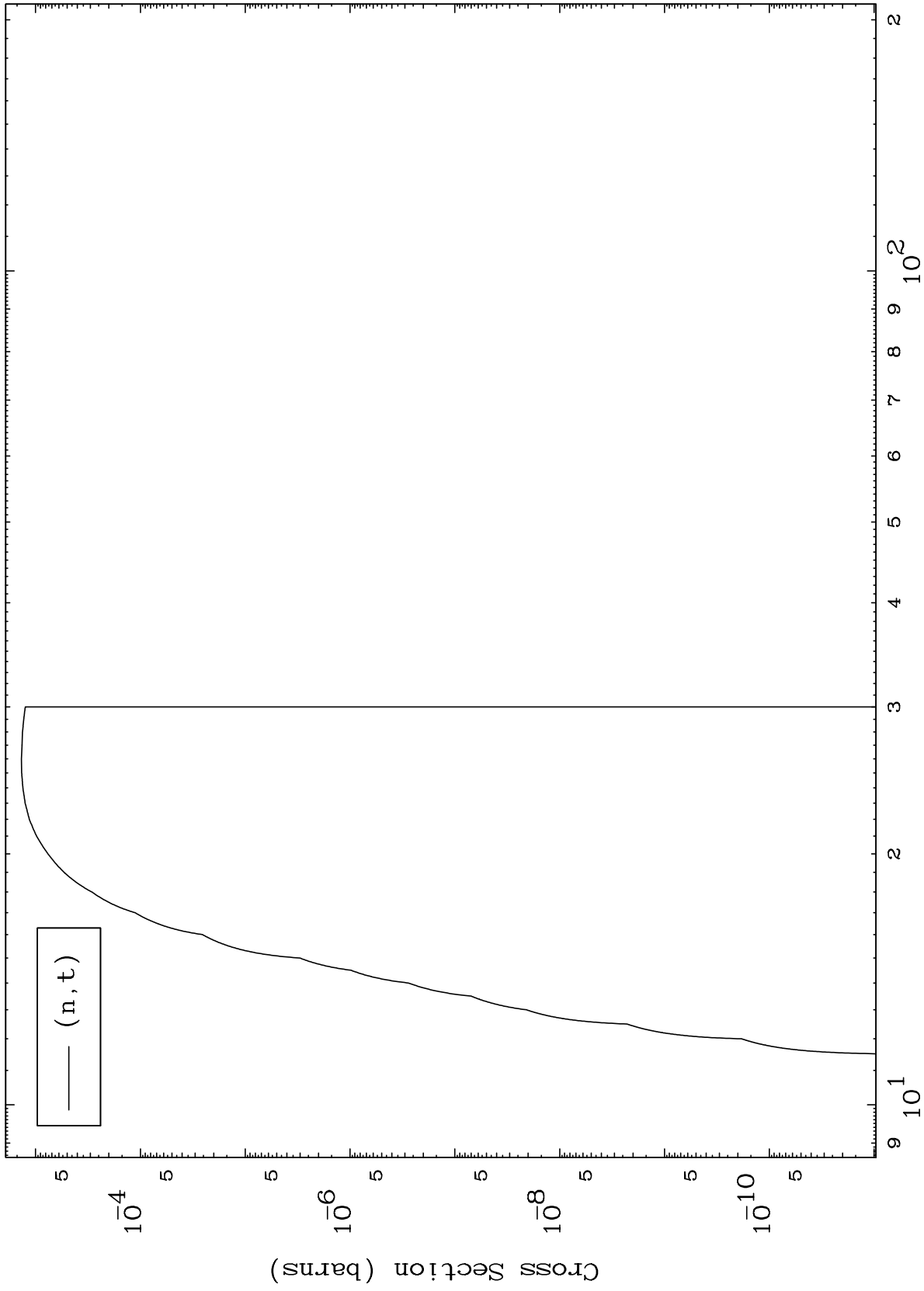
(n,d) Levels
293 Kelvin Cross Sections

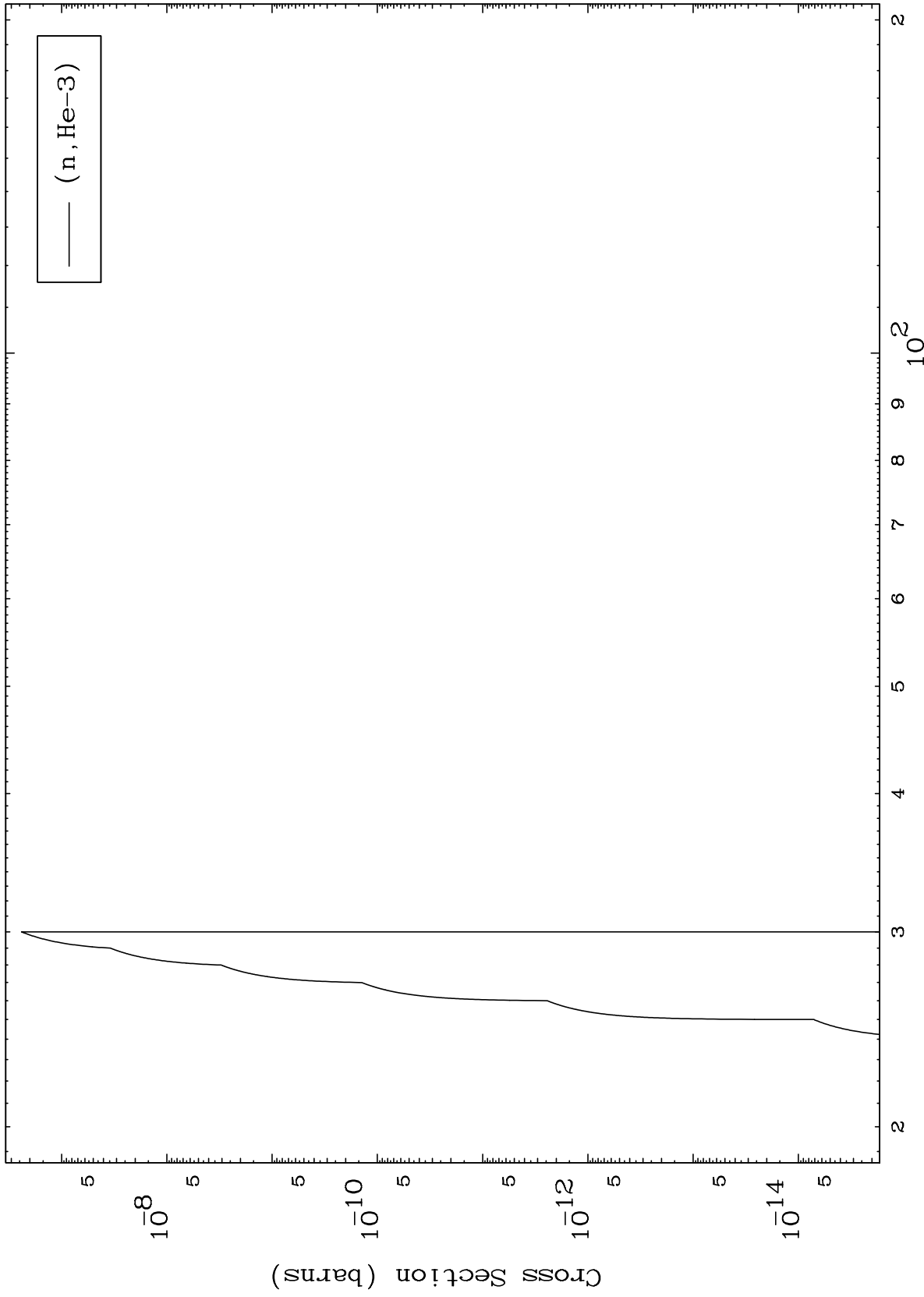
39-Y -99



39-Y -99

(n,t) Levels
293 Kelvin Cross Sections



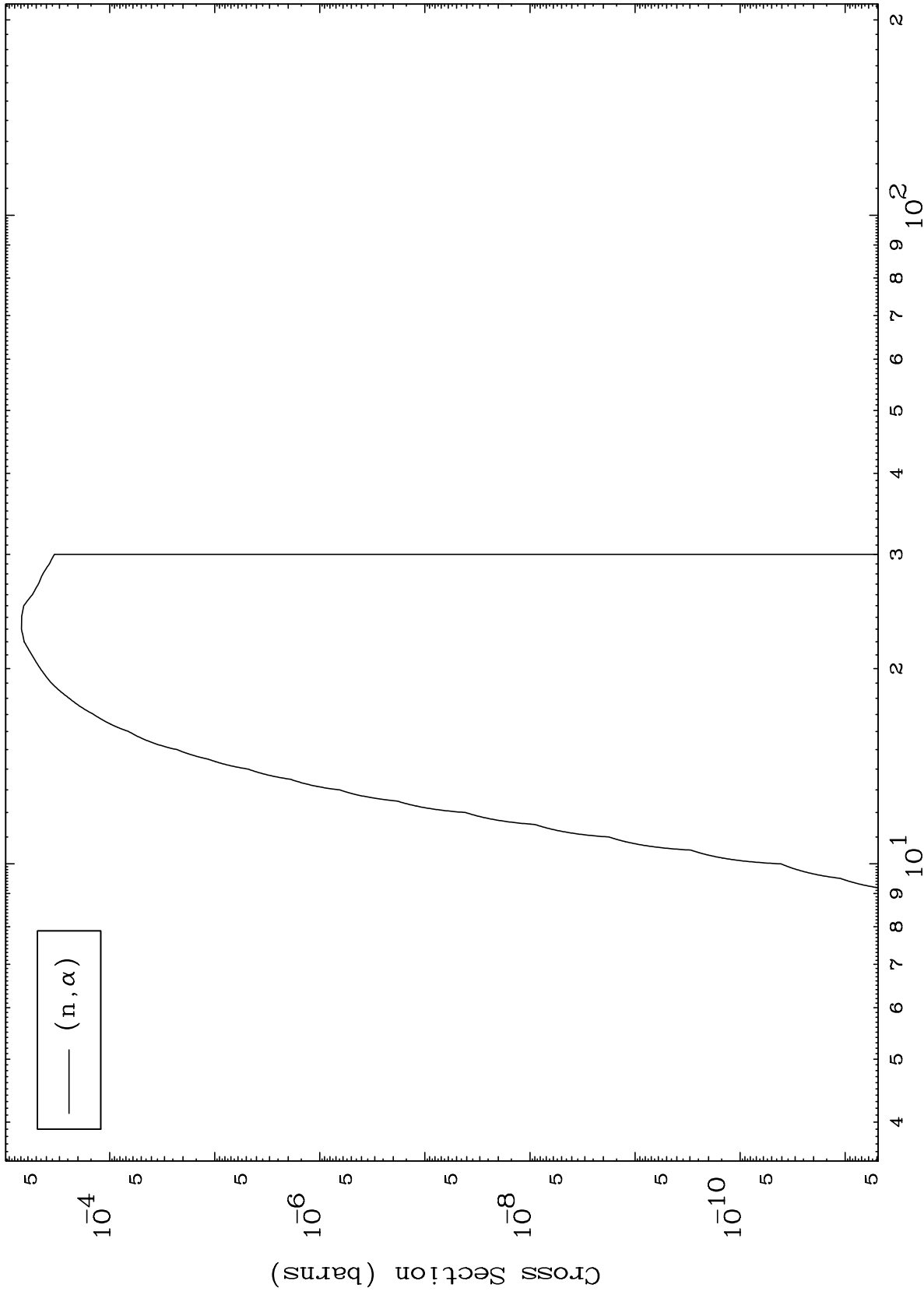


— (n, He-3)

MAT 3955

39-Y -99

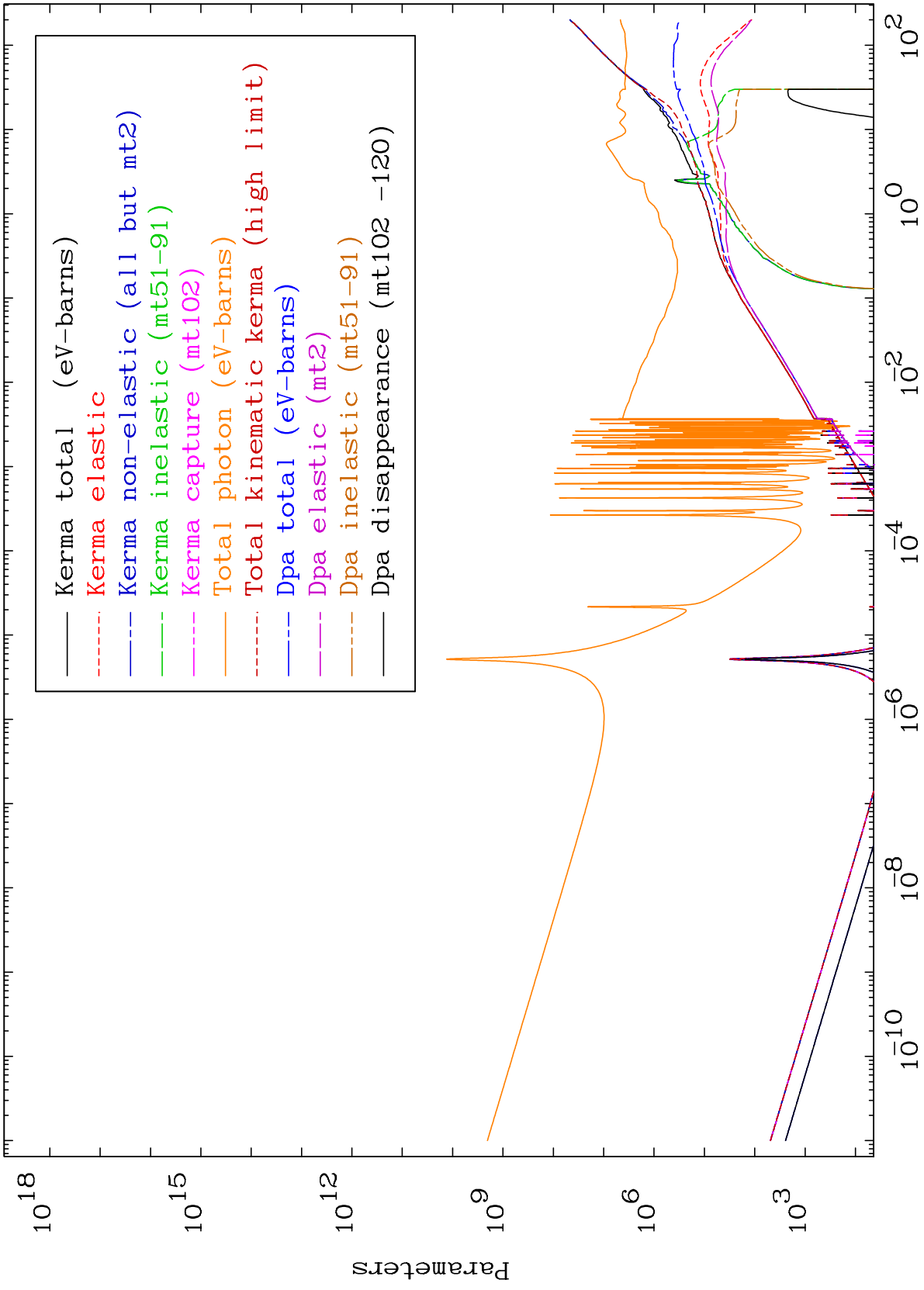
(n, α) Levels
293 Kelvin Cross Sections



13

Incident Energy (MeV)

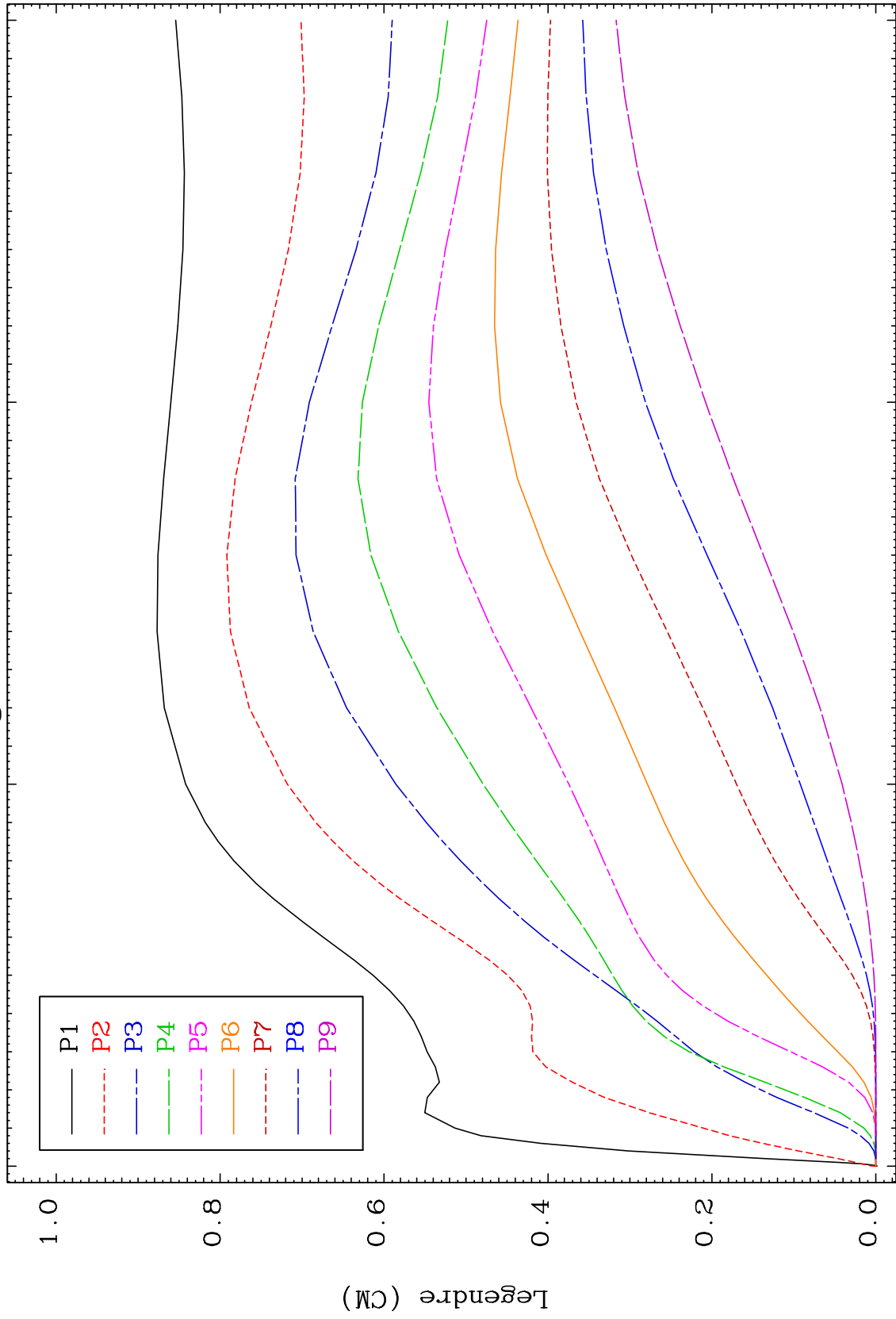
39-Y -99



MAT 3955

Elastic Legendre Coefficients

39-Y -99



15

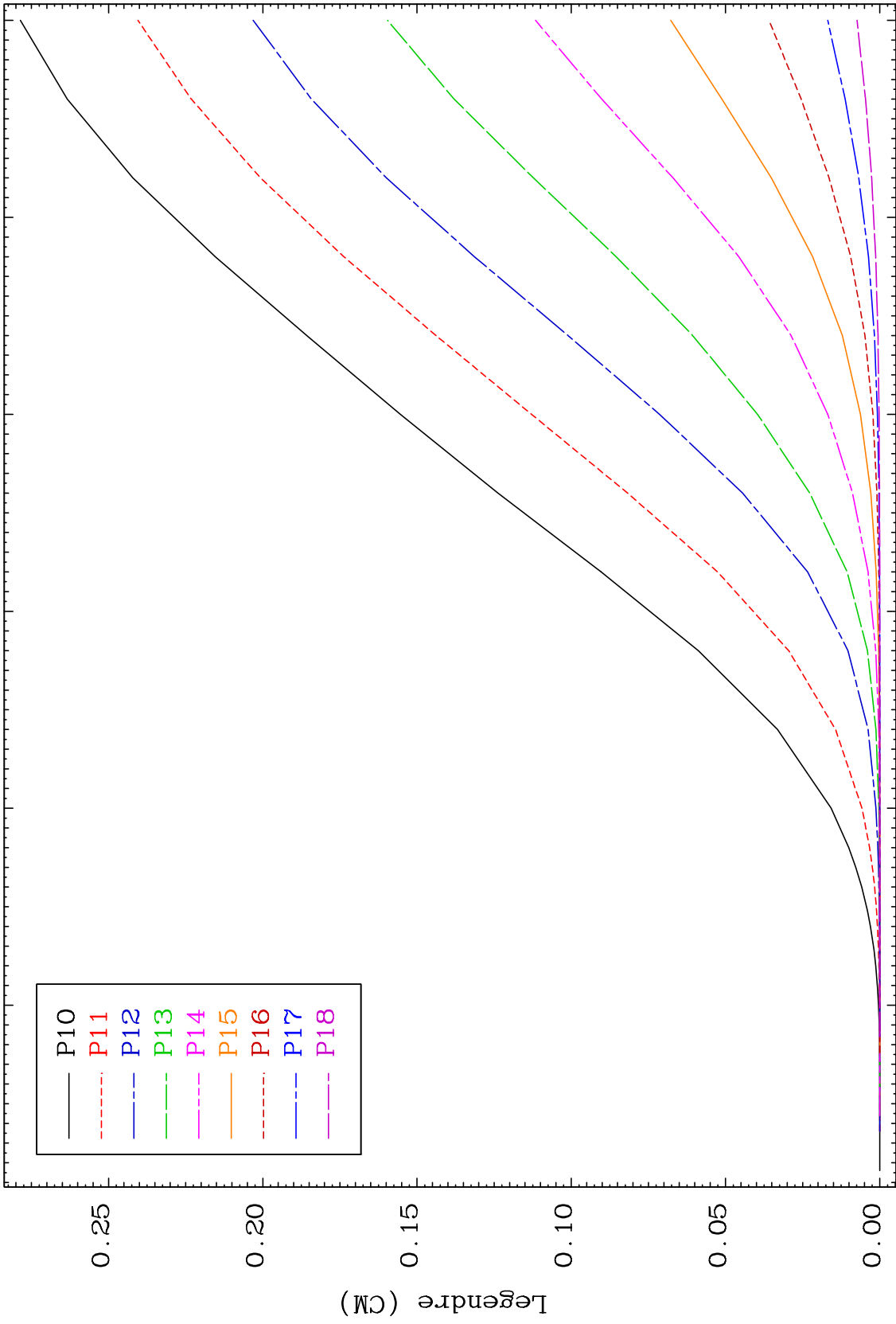
Incident Energy (MeV)

39-Y -99

MAT 3955

Elastic Legendre Coefficients

39-Y -99



16

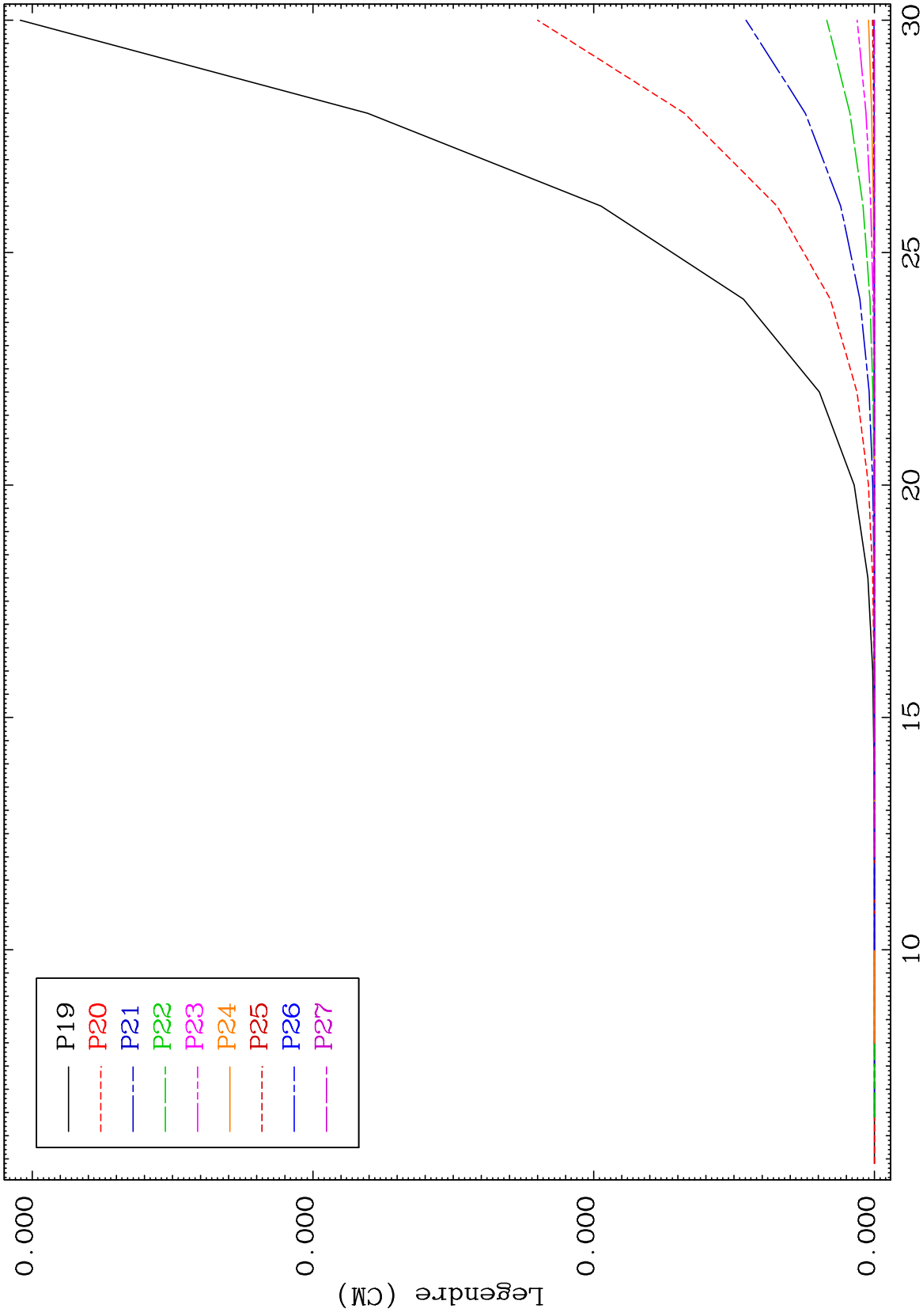
Incident Energy (MeV)

39-Y -99

MAT 3955

Elastic Legendre Coefficients

39-Y -99



17

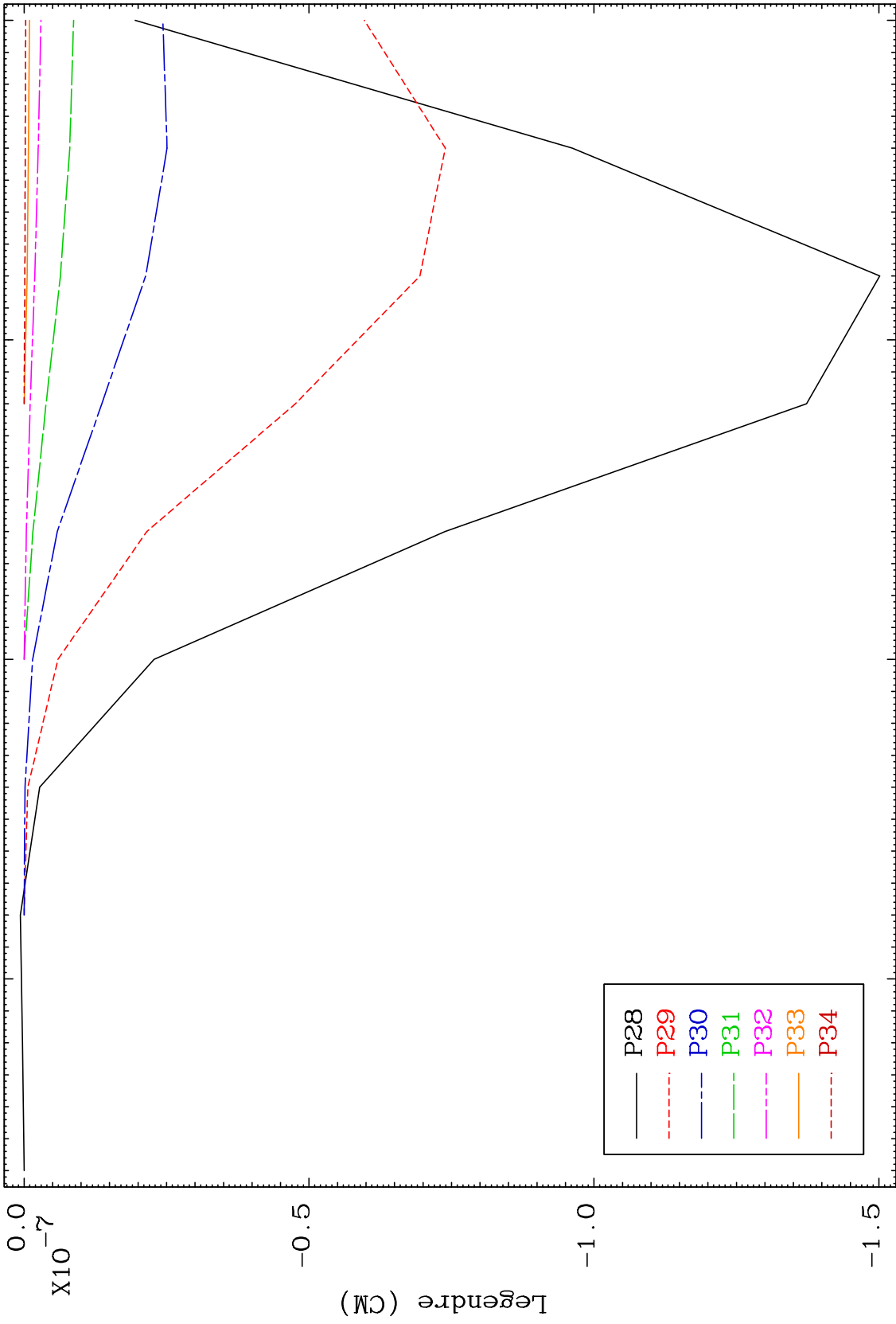
Incident Energy (MeV)

39-Y -99

MAT 3955

Elastic Legendre Coefficients

39-Y -99

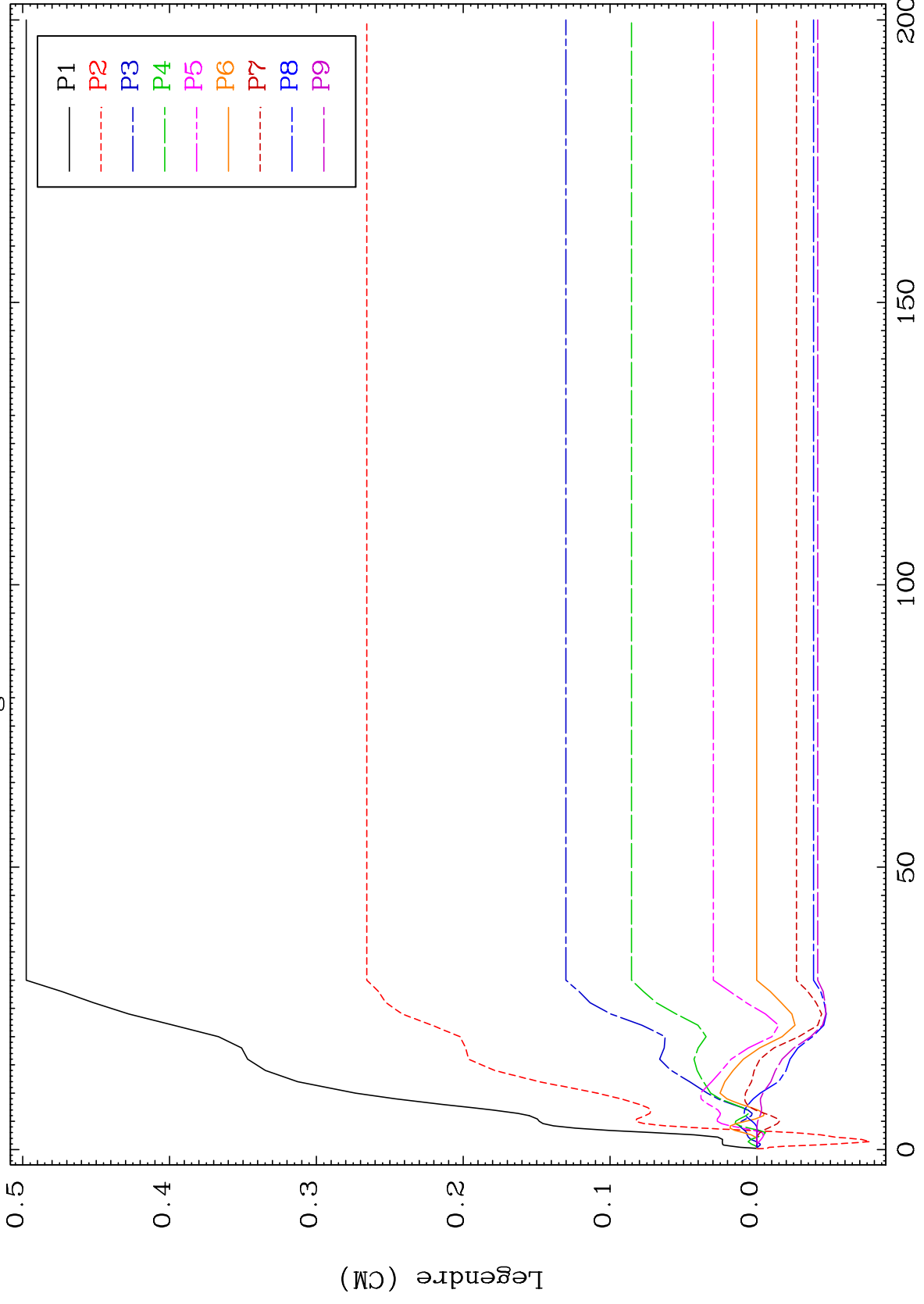


18

Incident Energy (MeV)

39-Y -99

MAT 3955 MT= 51 (n,n') Level Legendre Coefficients 39-Y -99

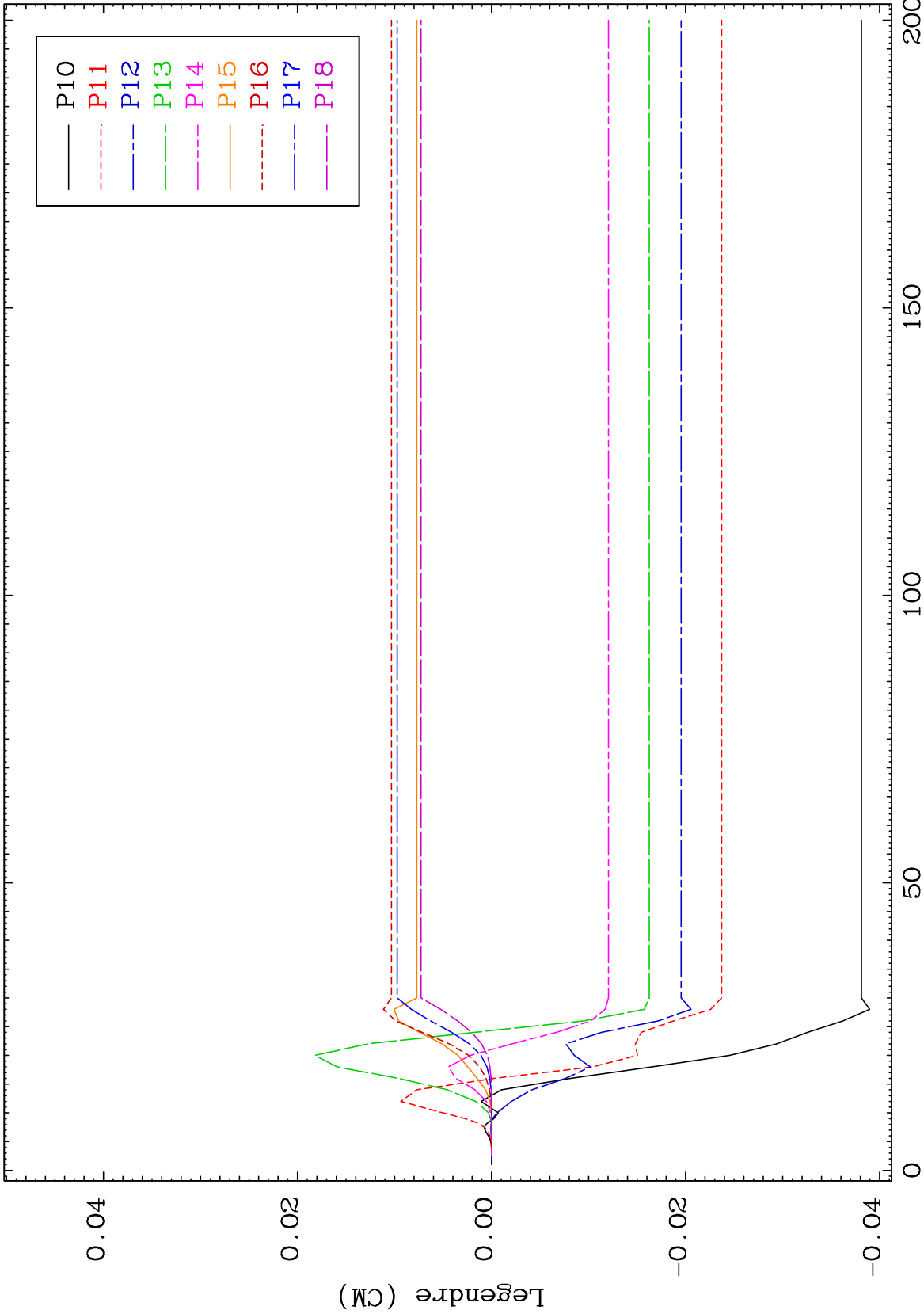


19 39-Y -99

MAT 3955

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

39-Y -99



0

50

100

150

200

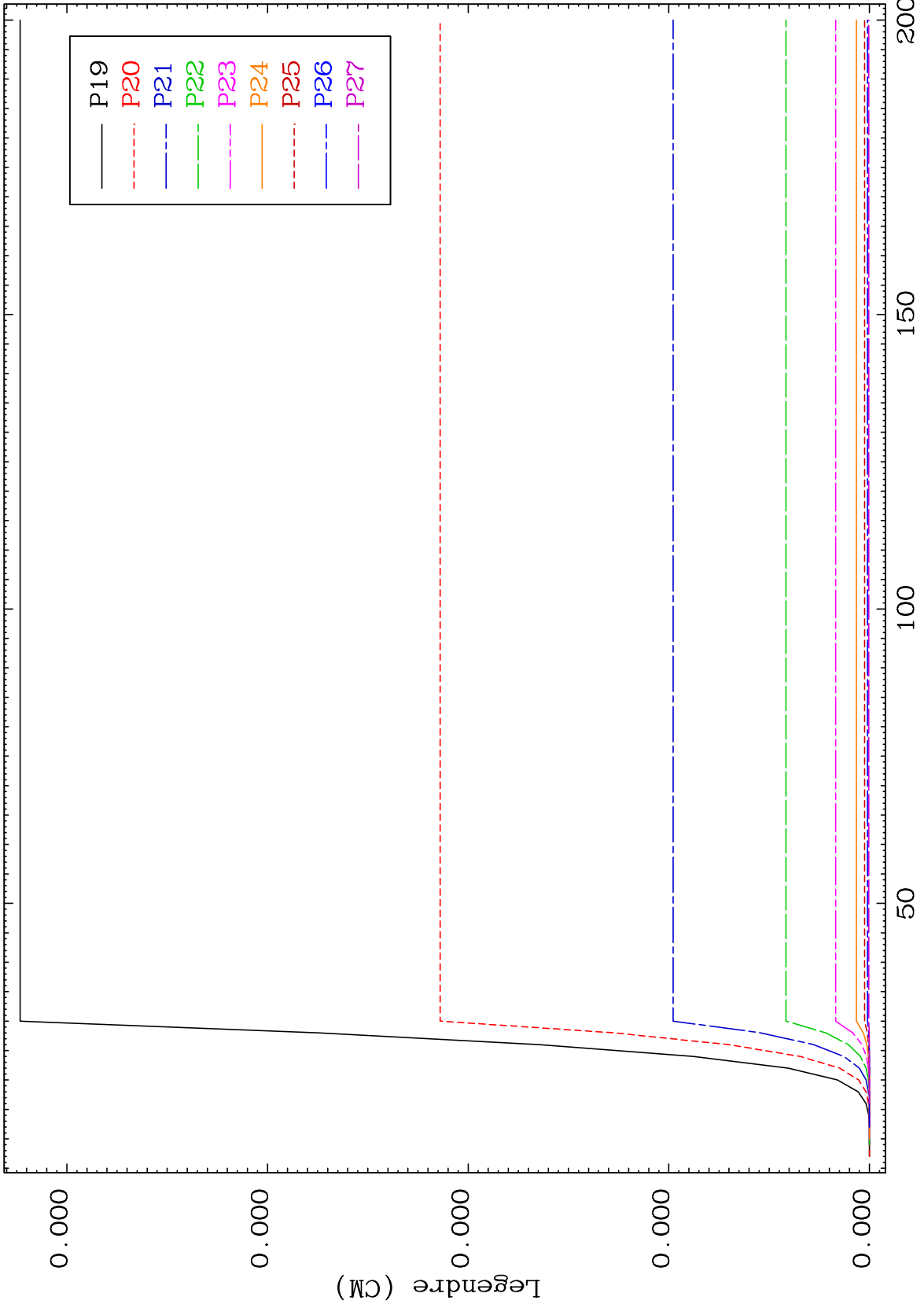
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



21

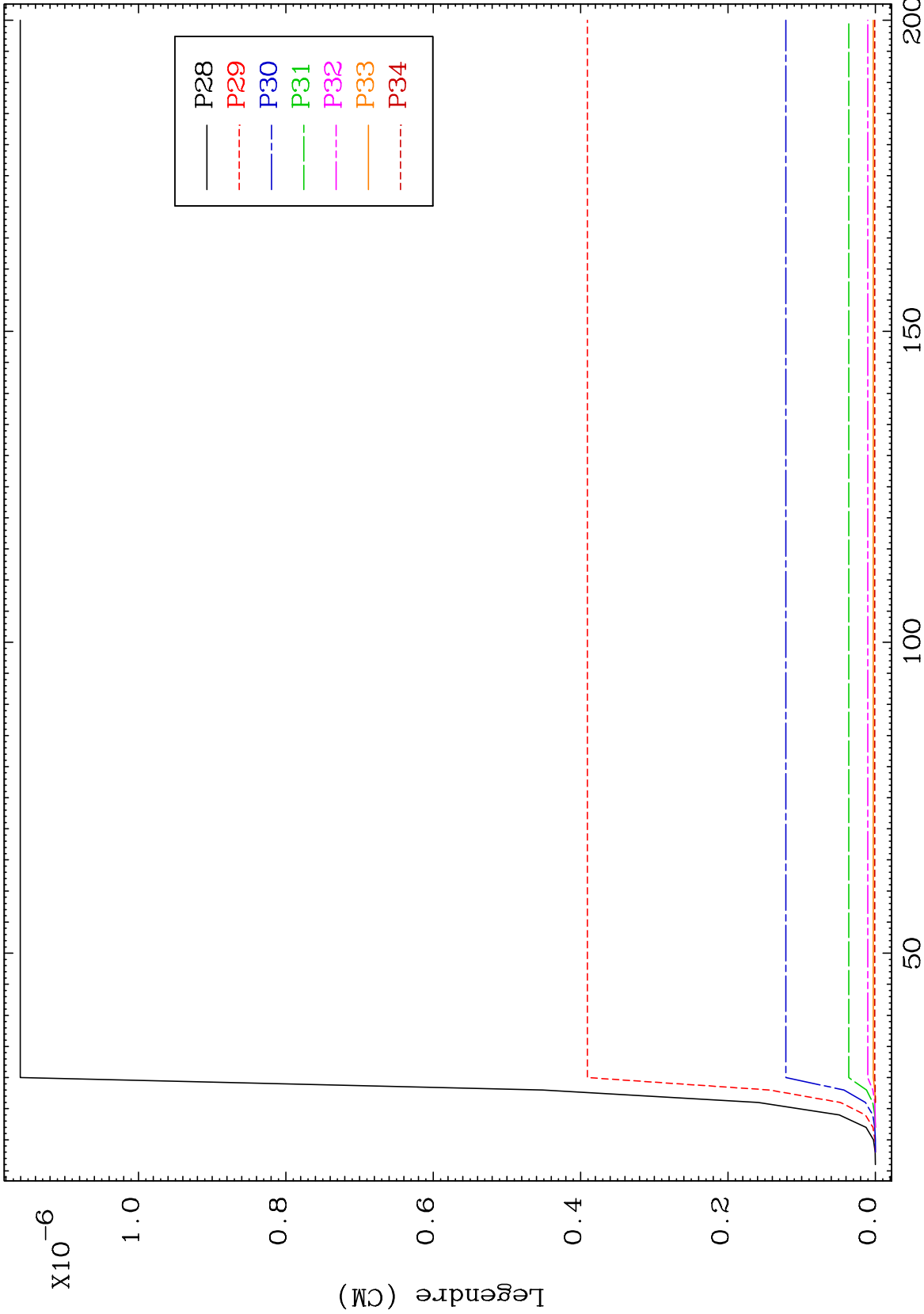
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99

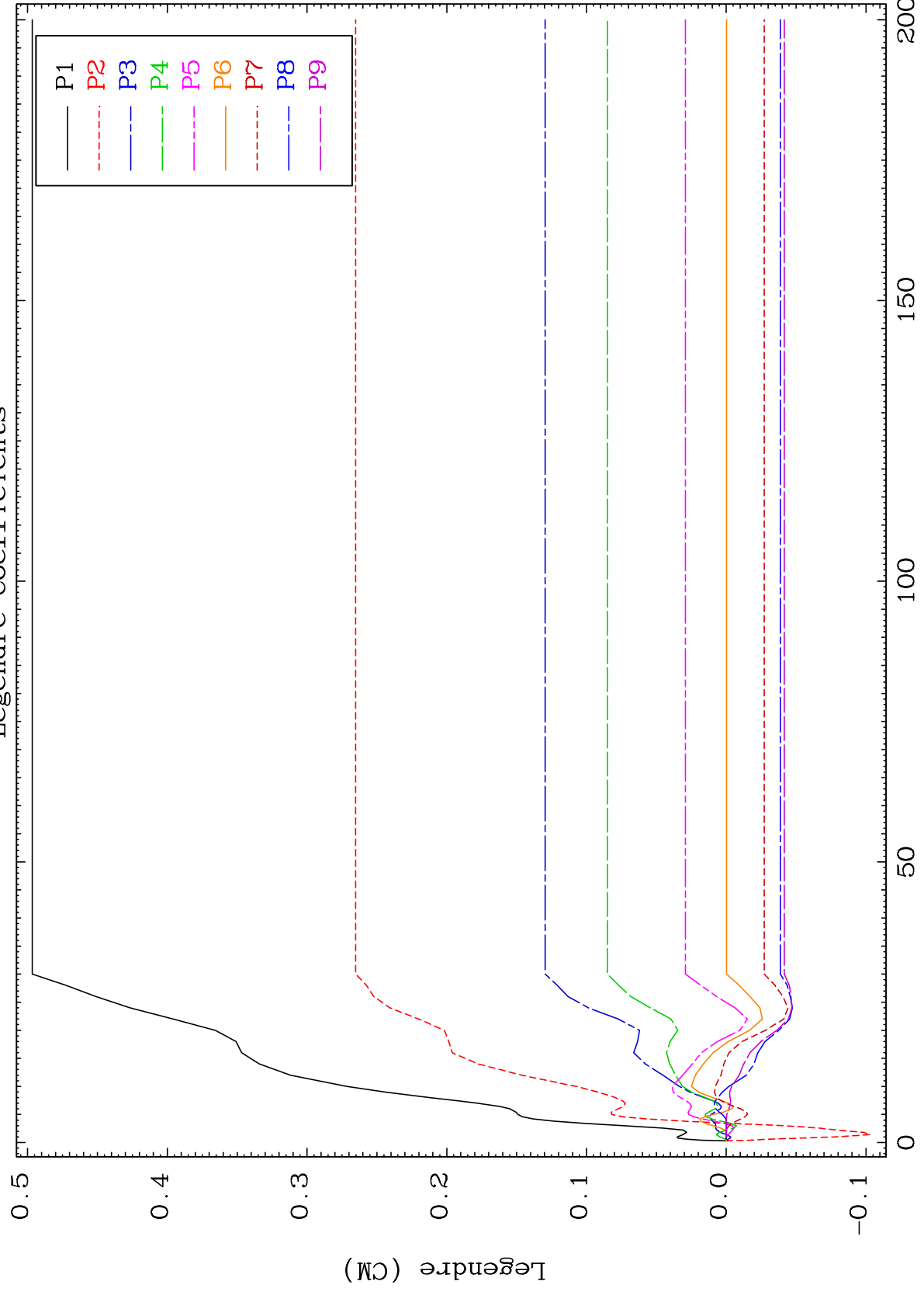


22

Incident Energy (MeV)

39-Y -99

MAT 3955 MT= 52 (n,n') Level Legendre Coefficients 39-Y -99



39-Y -99

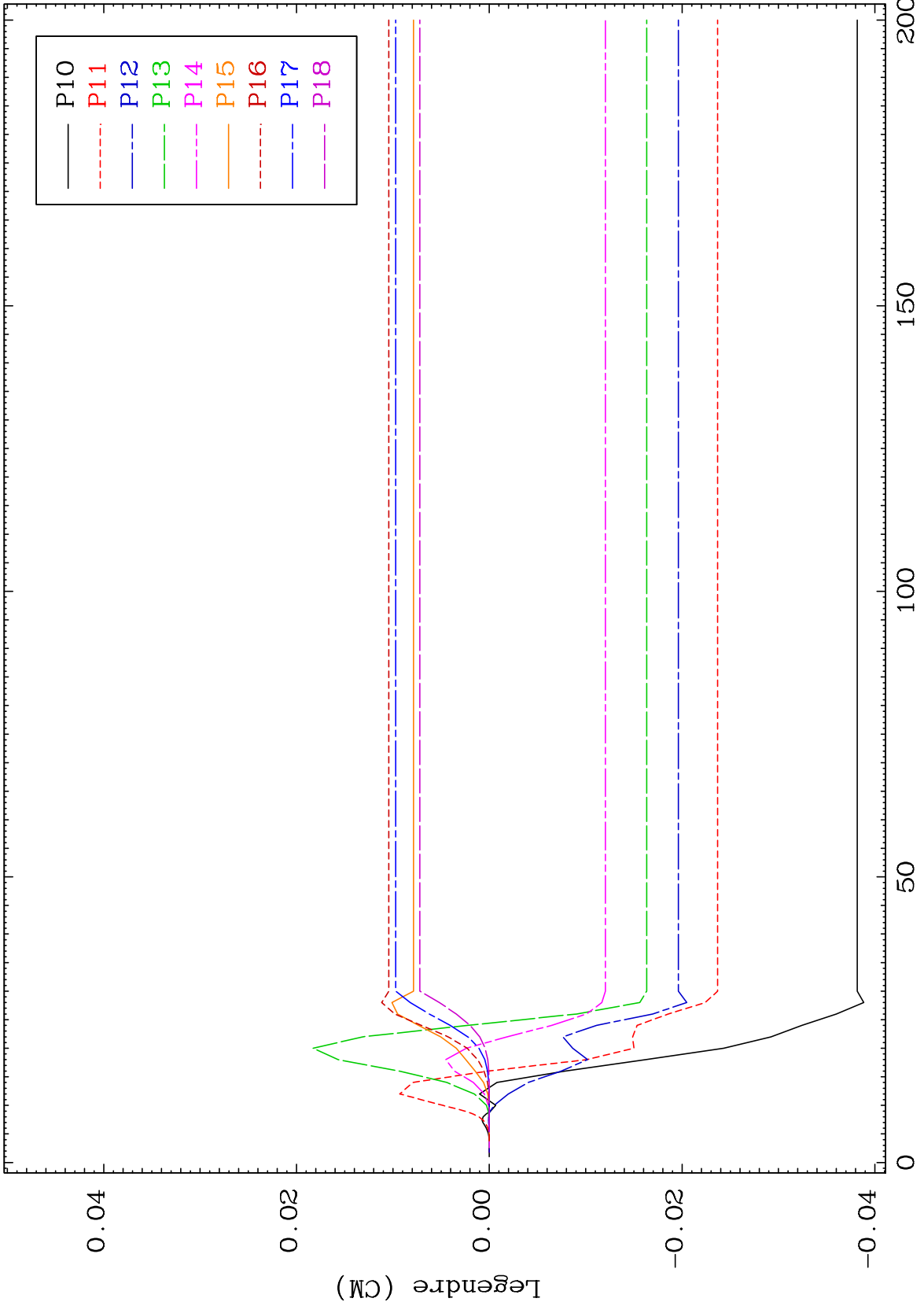
Incident Energy (MeV)

23

MAT 3955

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

39-Y -99



24

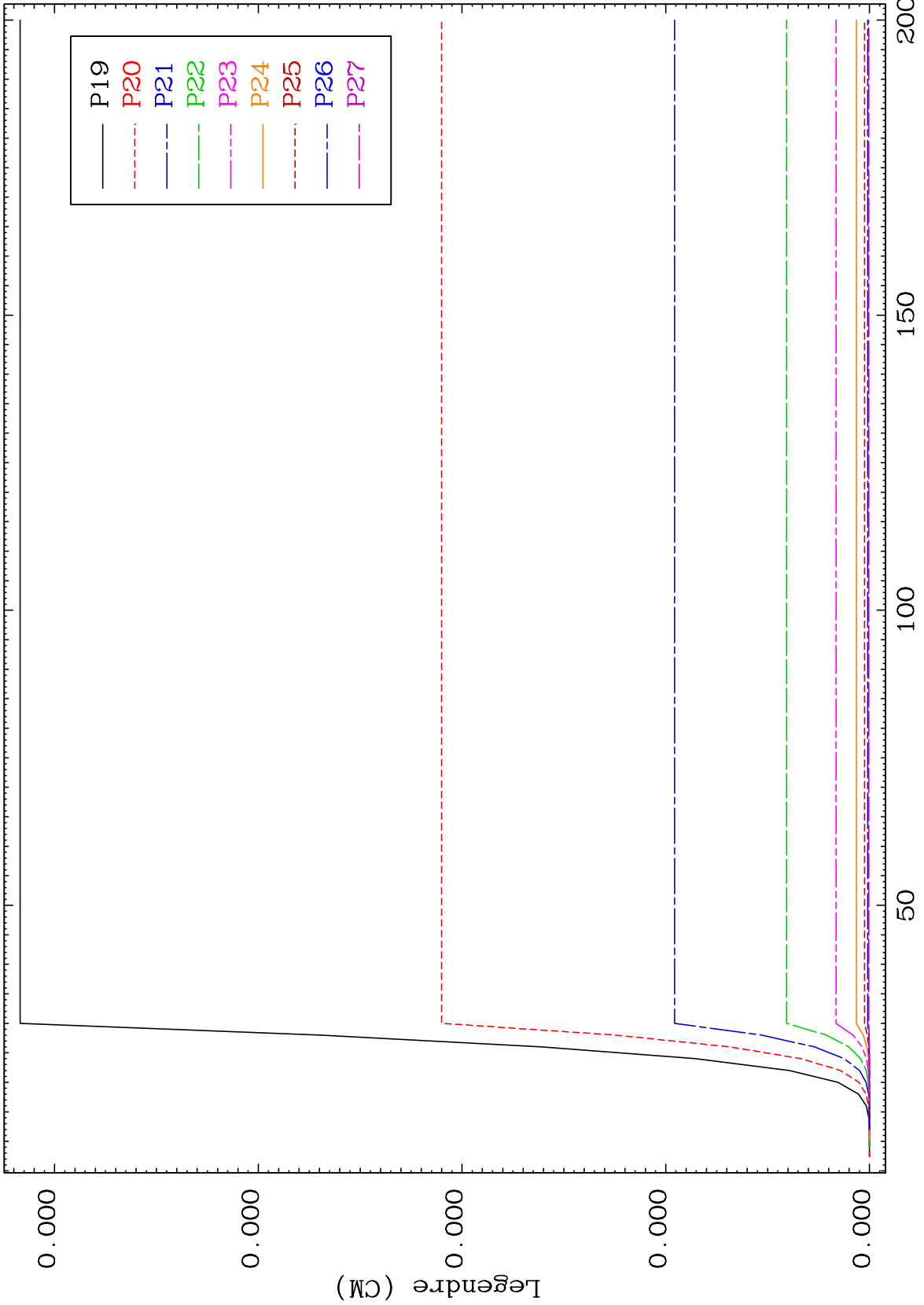
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



25

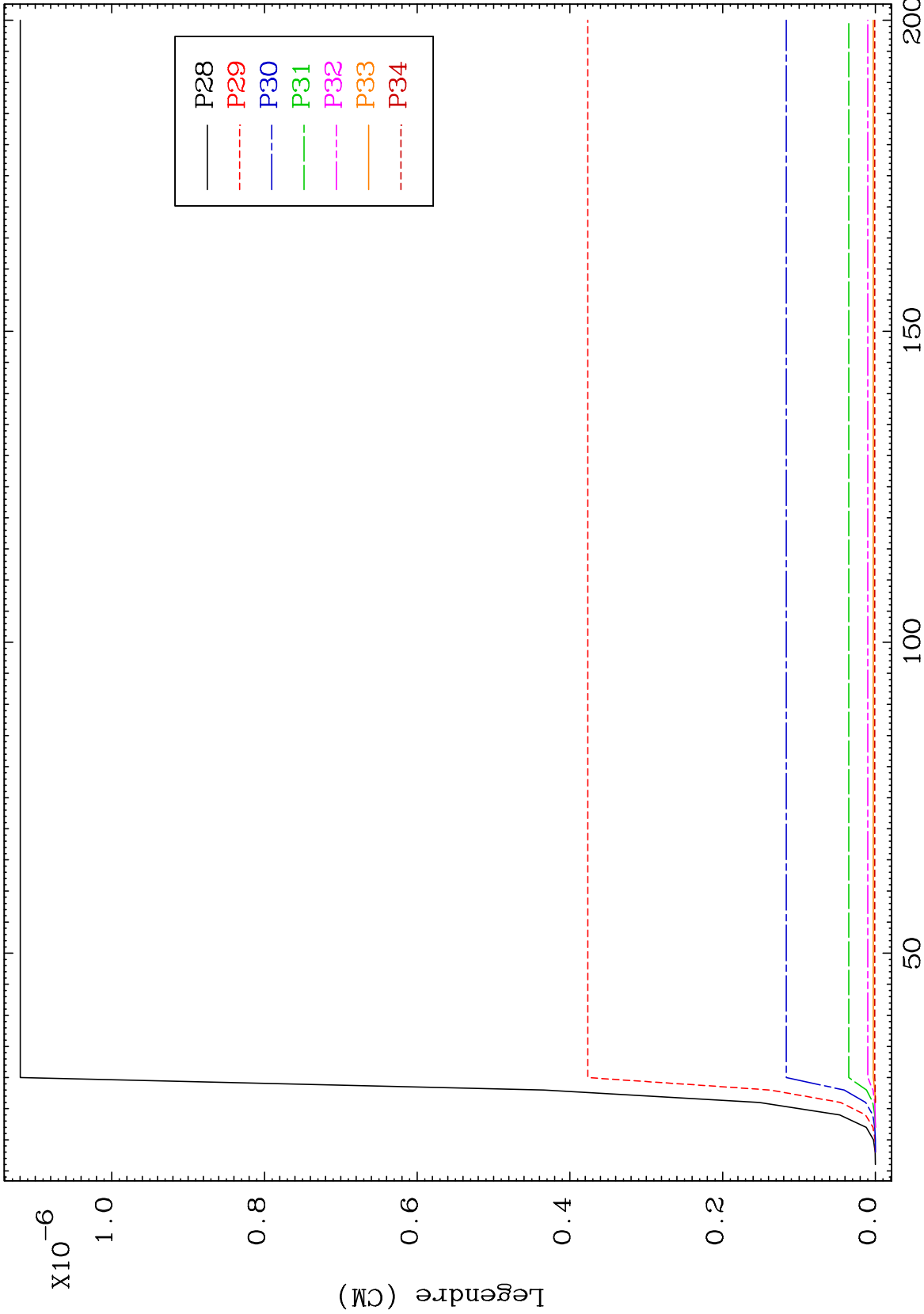
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



26

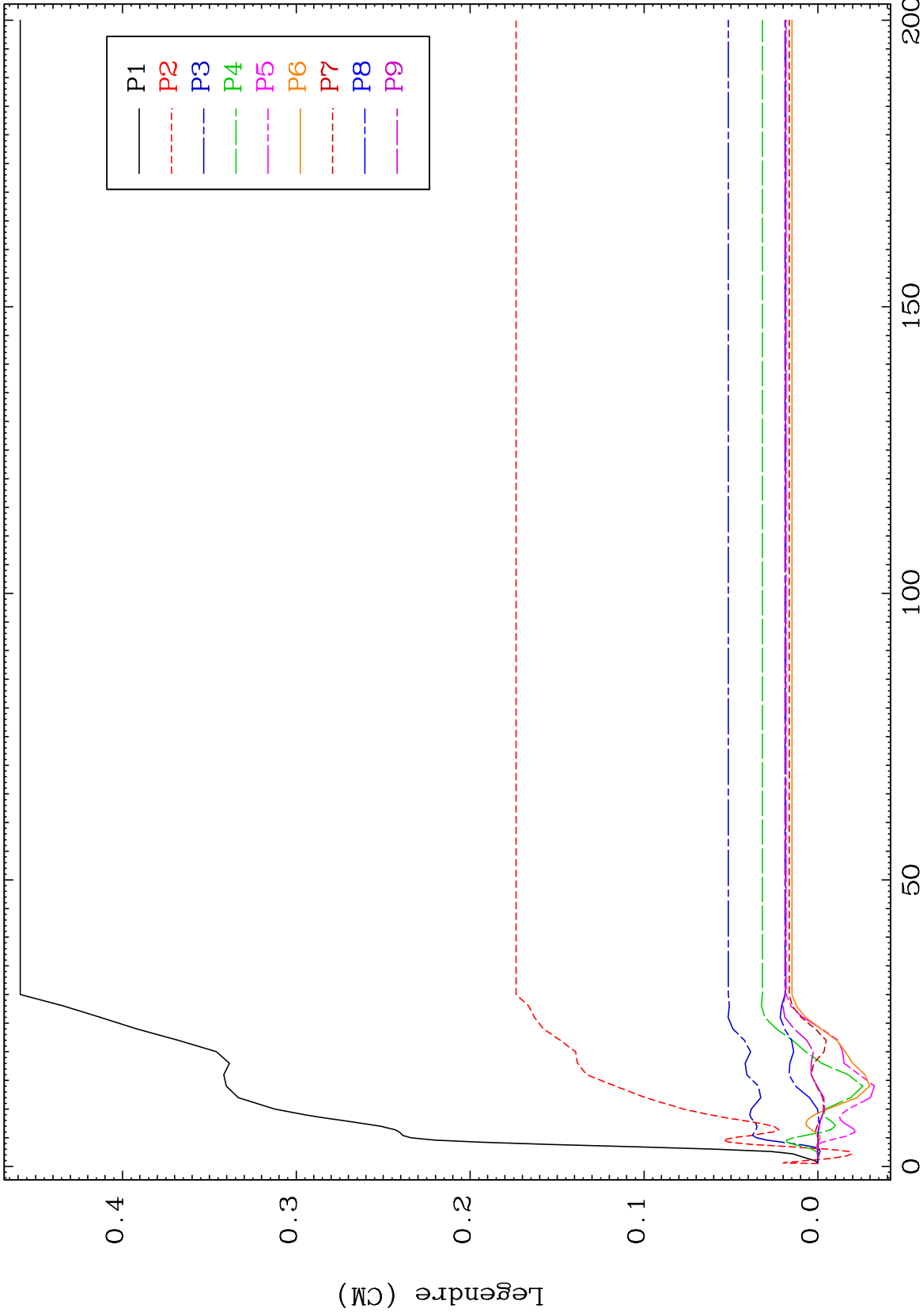
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



27

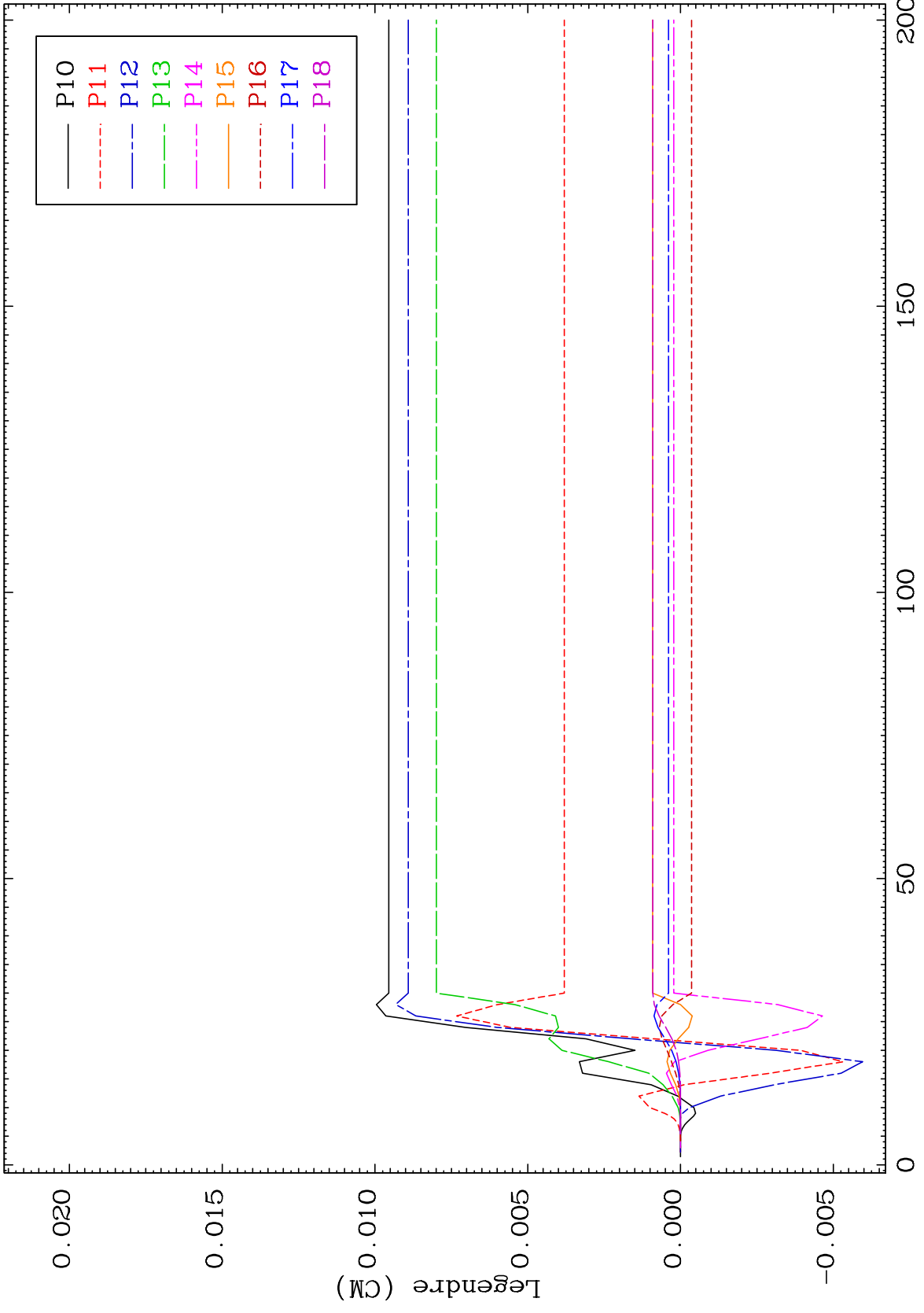
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



28

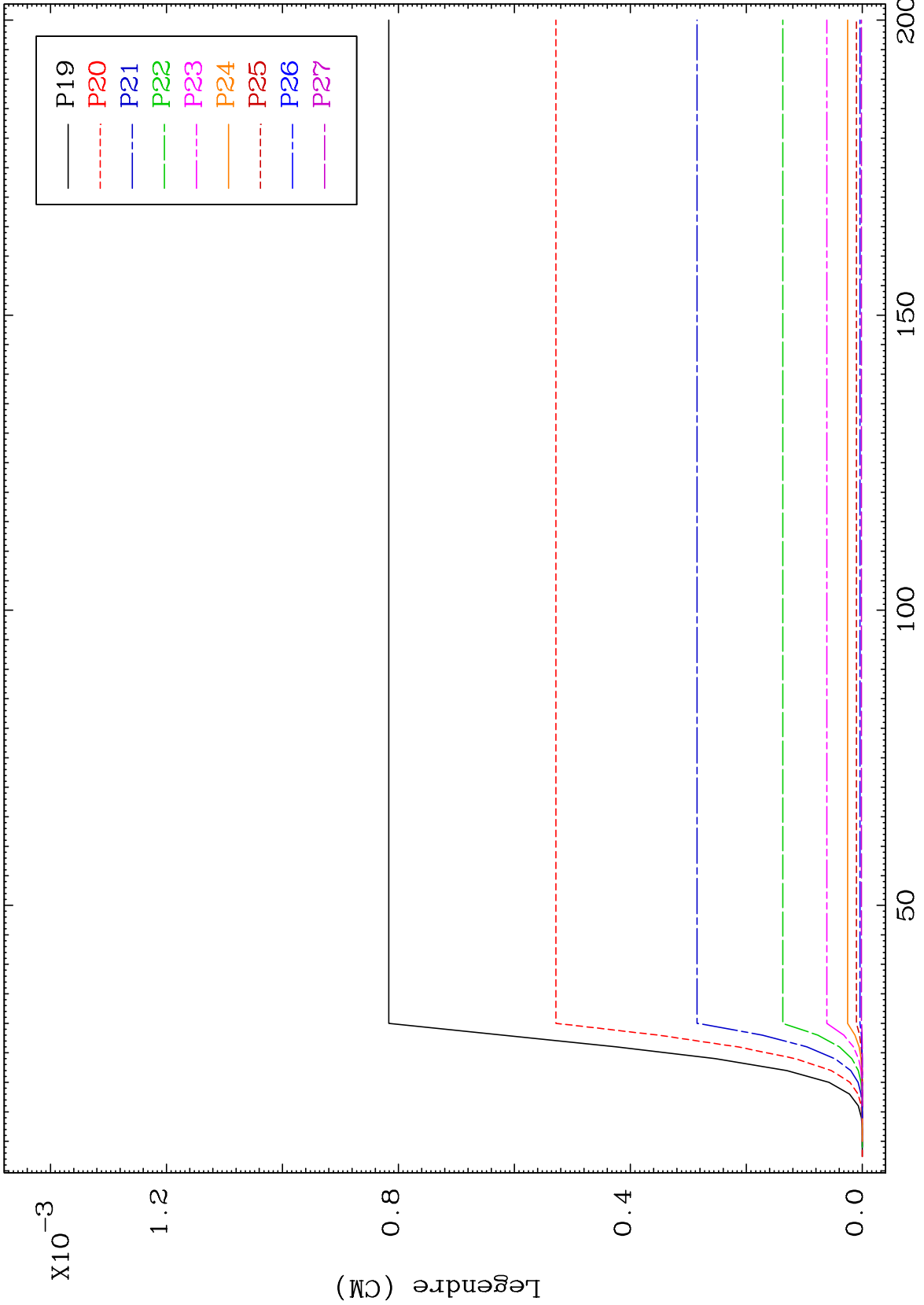
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



29

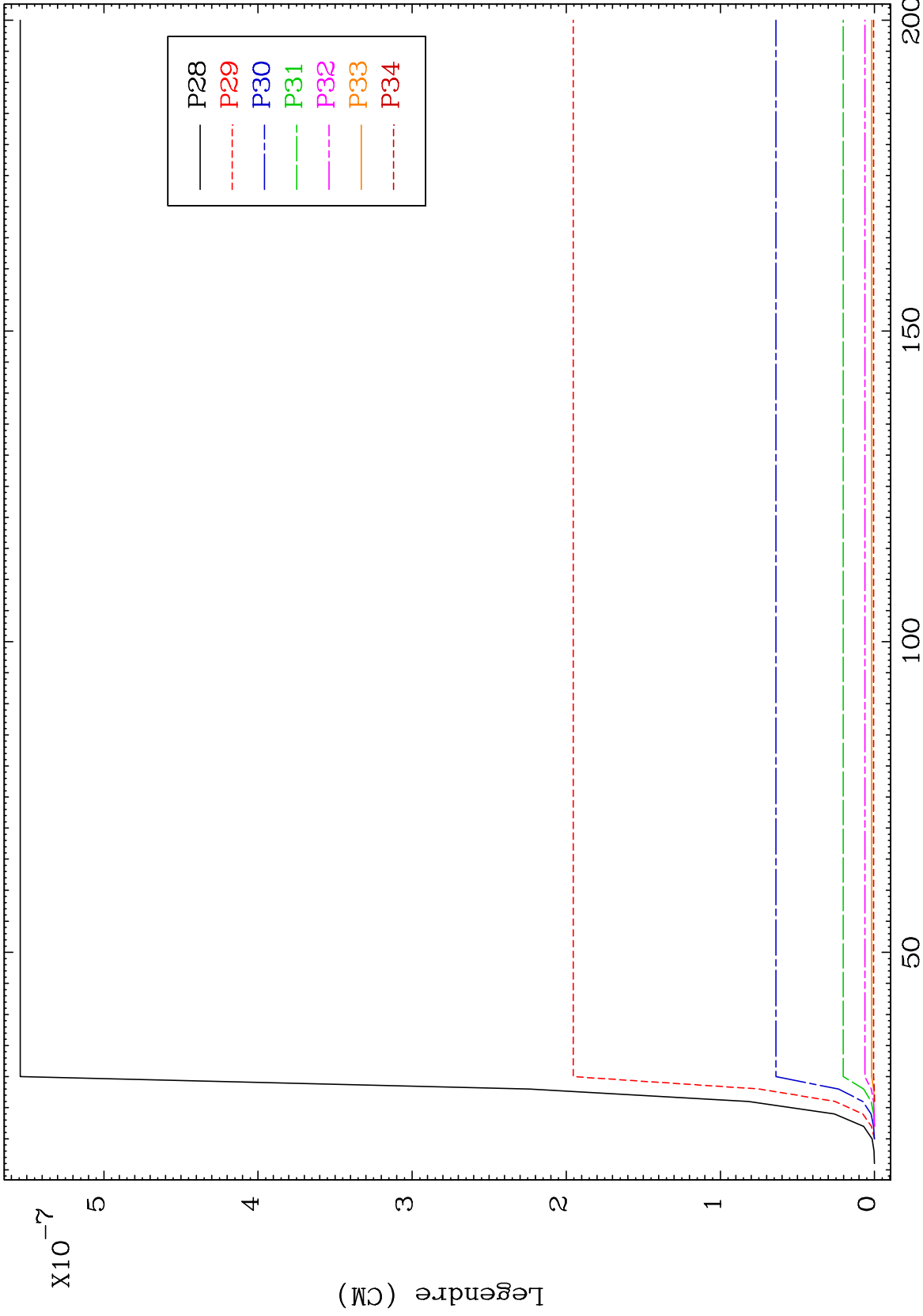
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99

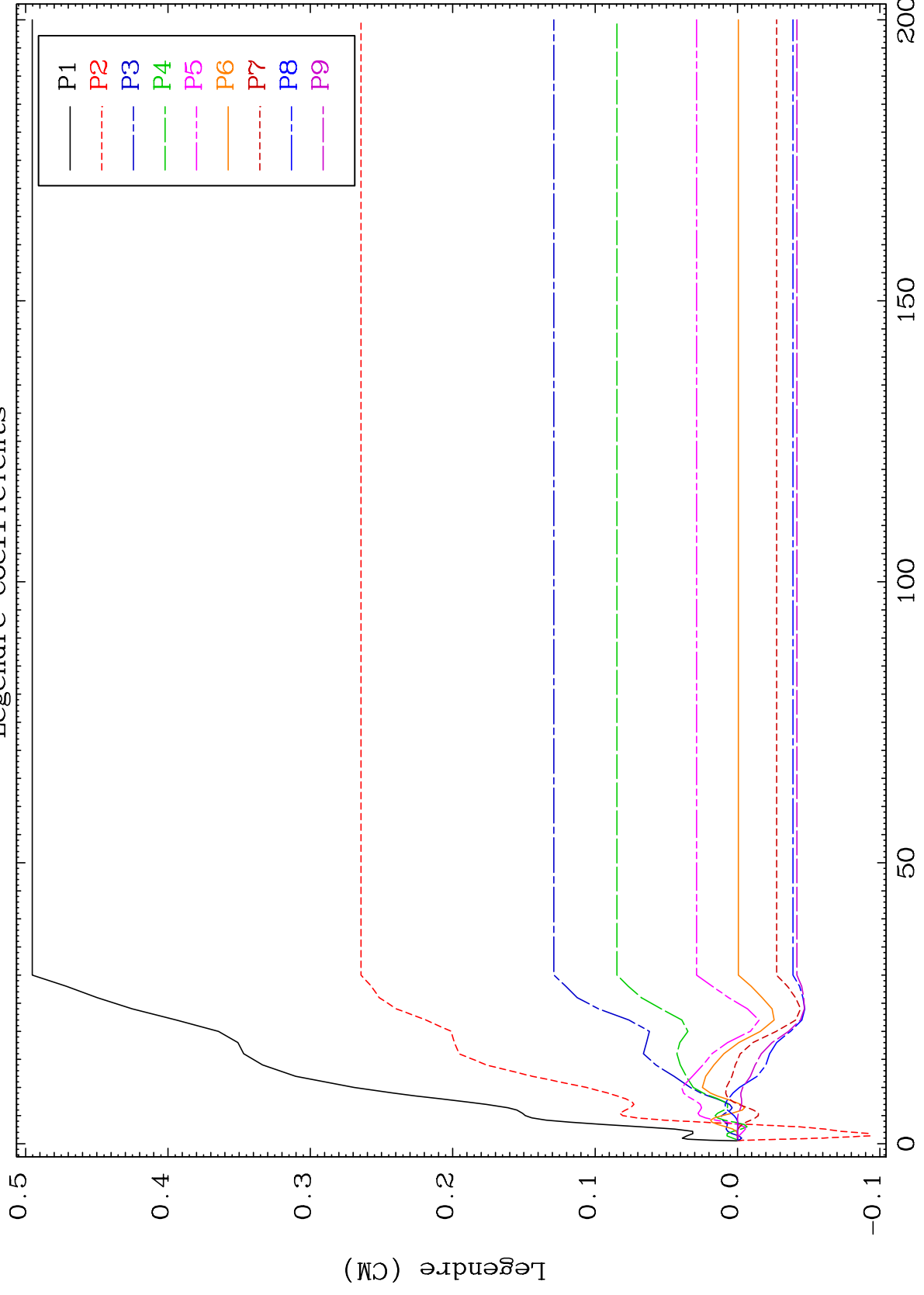


30

Incident Energy (MeV)

39-Y -99

MAT 3955 MT= 54 (n,n') Level Legendre Coefficients 39-Y -99

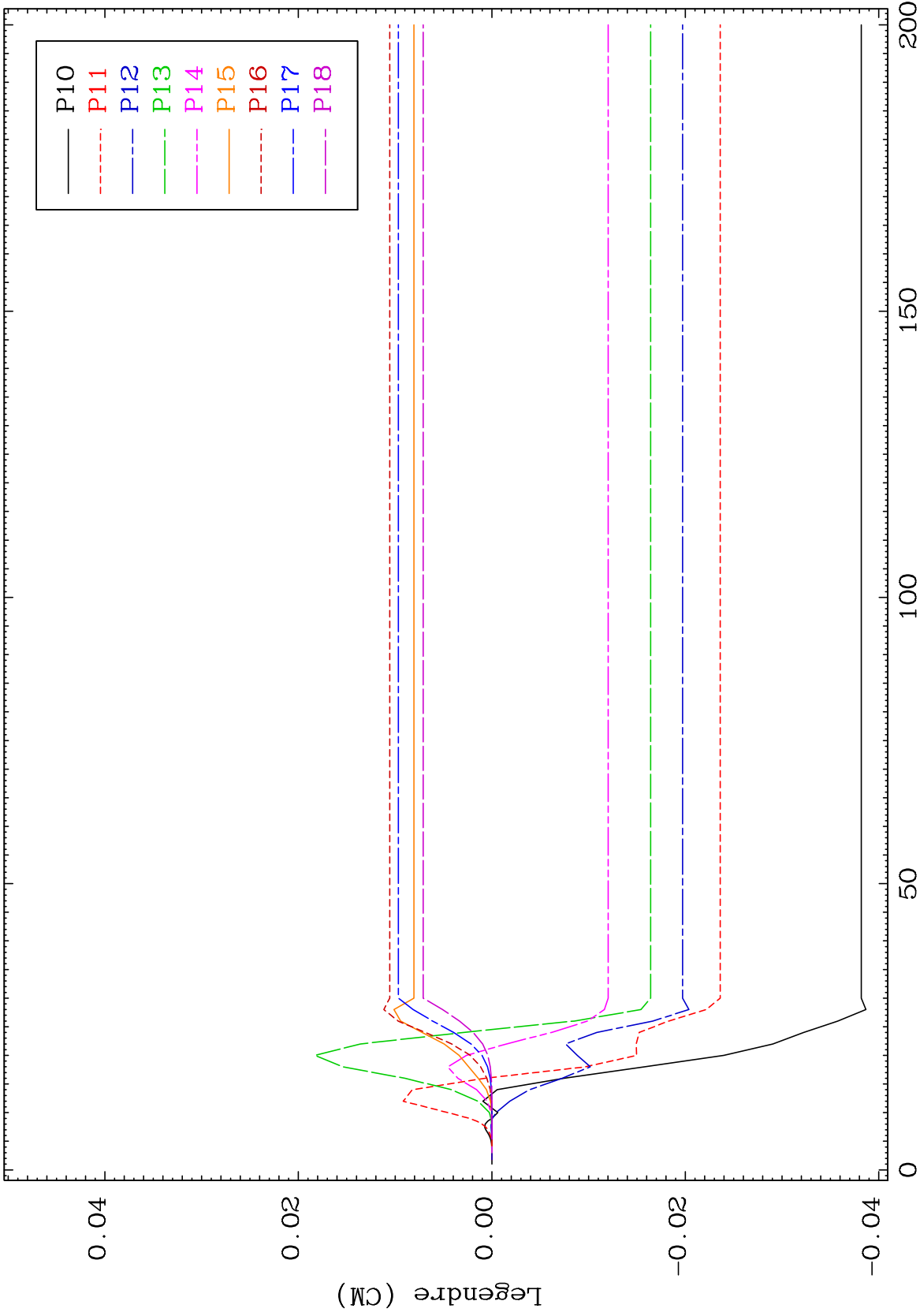


31 39-Y -99

MAT 3955

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

39-Y -99



32

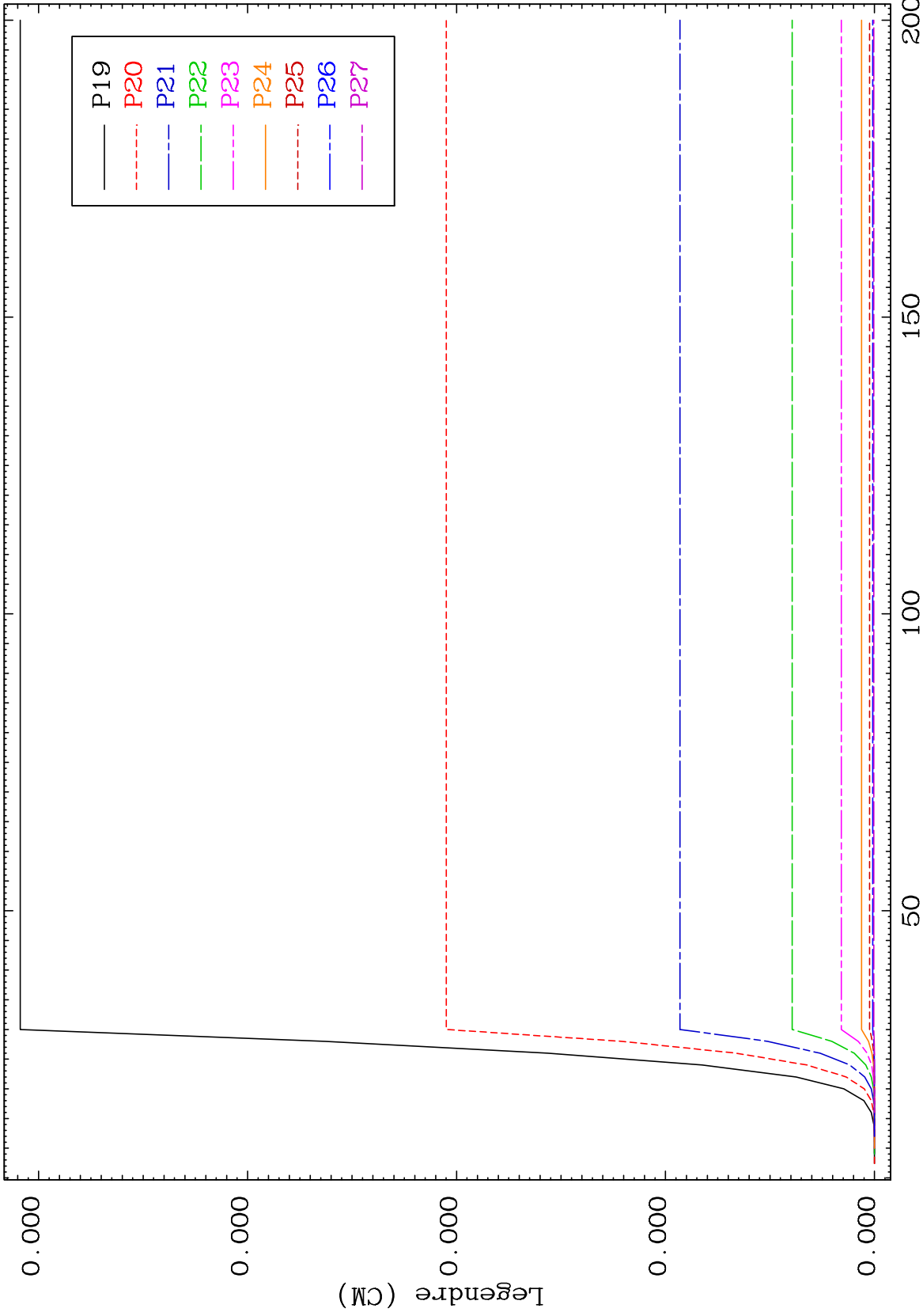
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



33

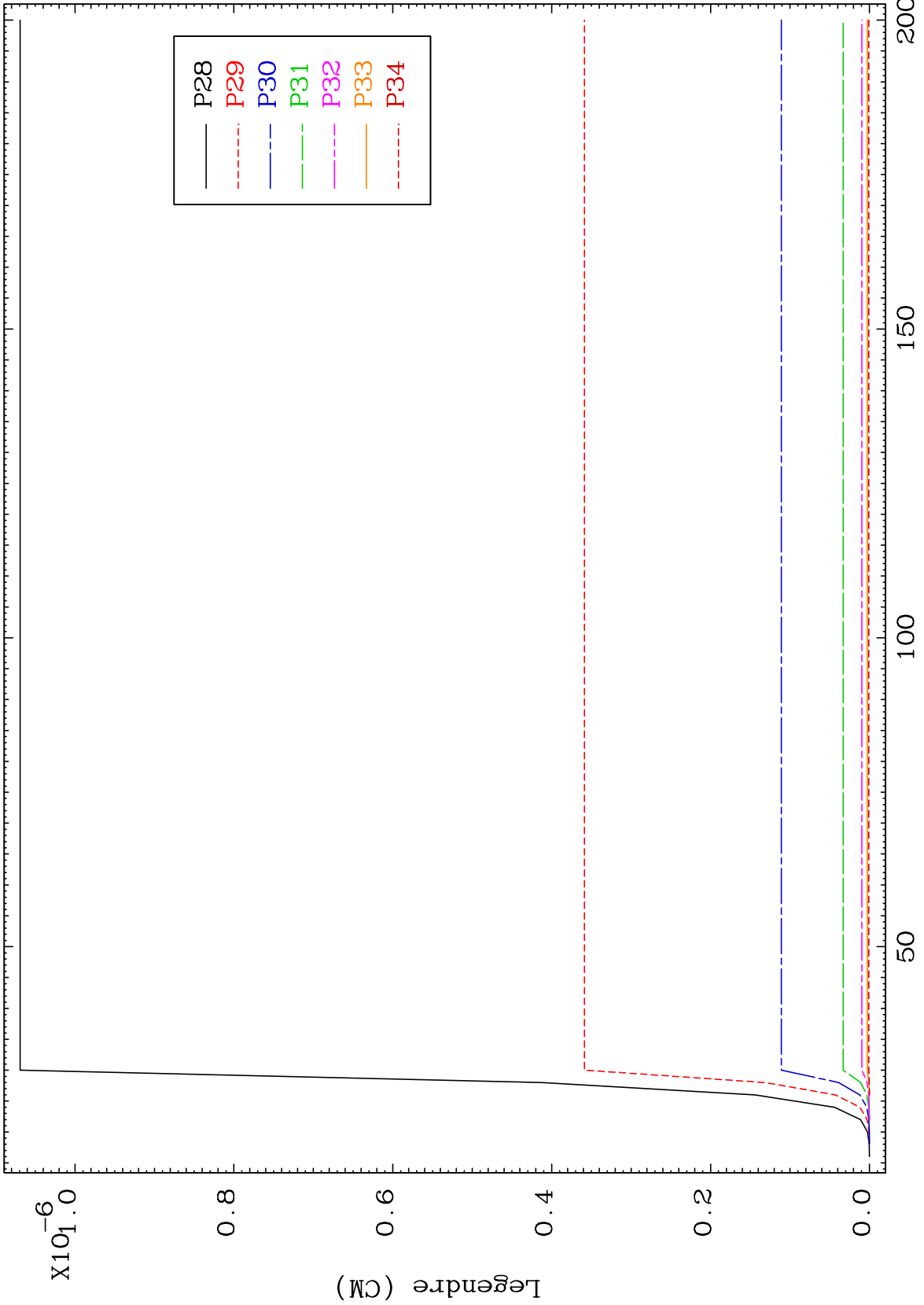
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99

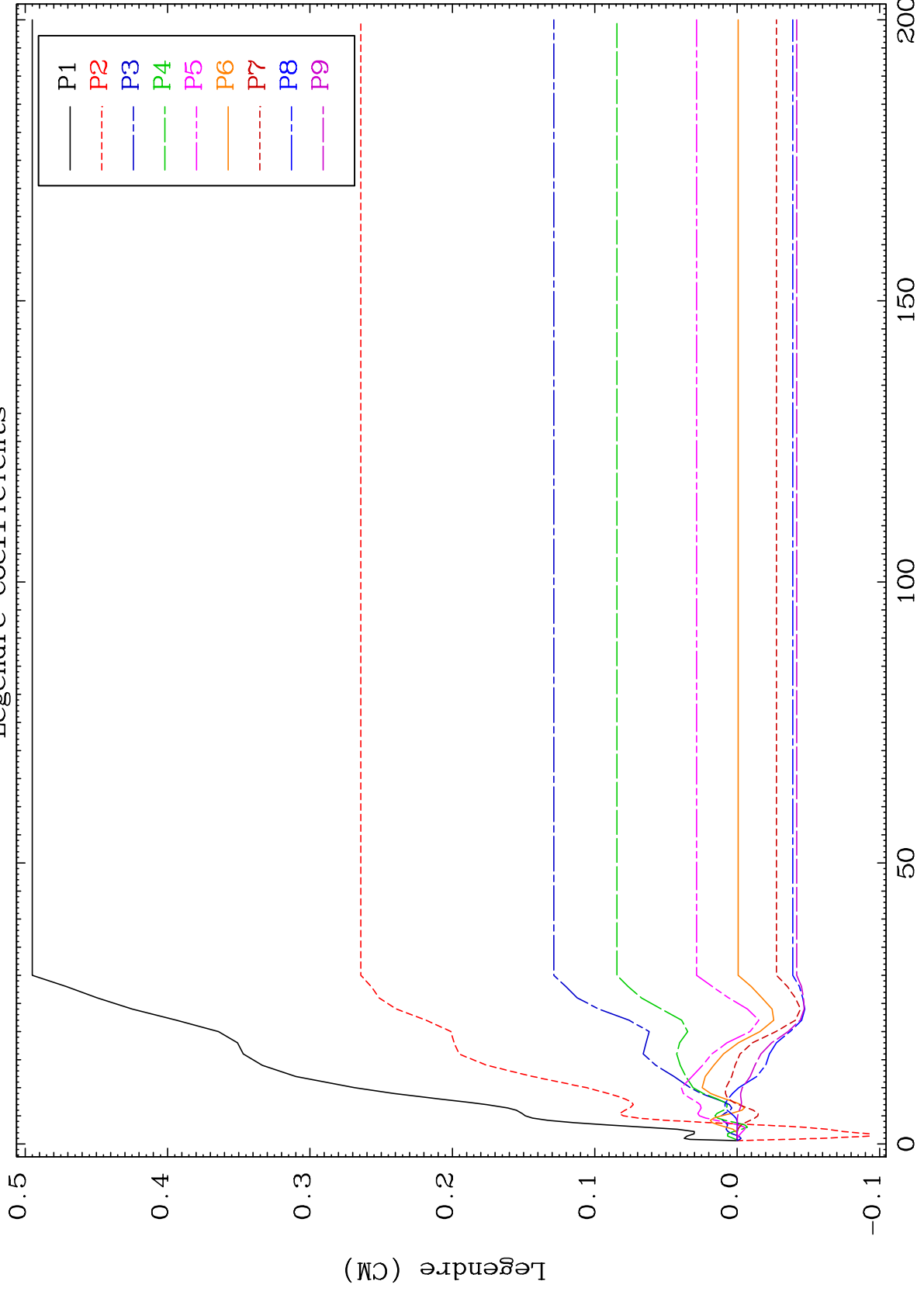


34

Incident Energy (MeV)

39-Y -99

MAT 3955 MT= 55 (n,n') Level Legendre Coefficients 39-Y -99

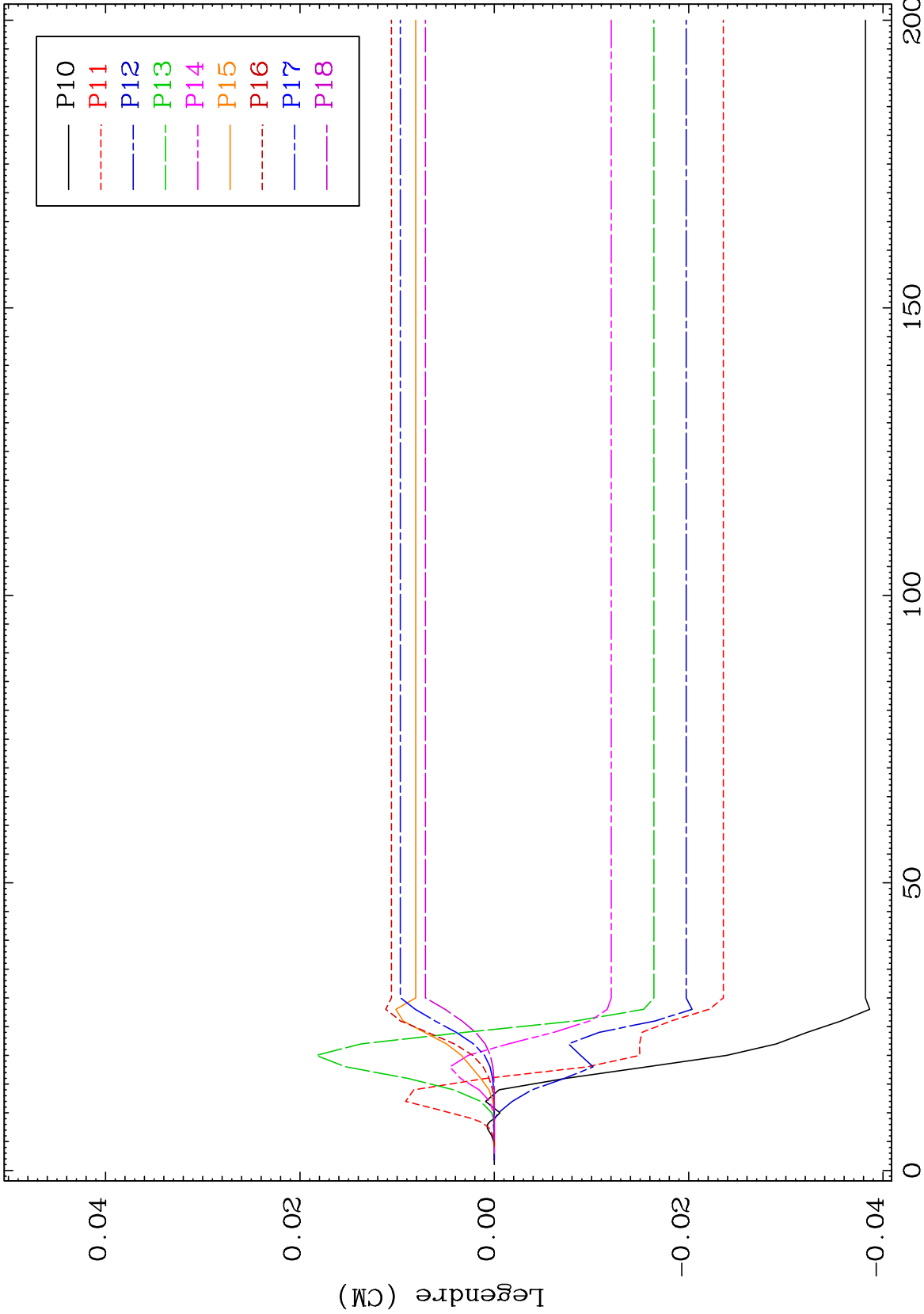


Legendre (CM) Incident Energy (MeV) 39-Y -99

MAT 3955

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

39-Y -99

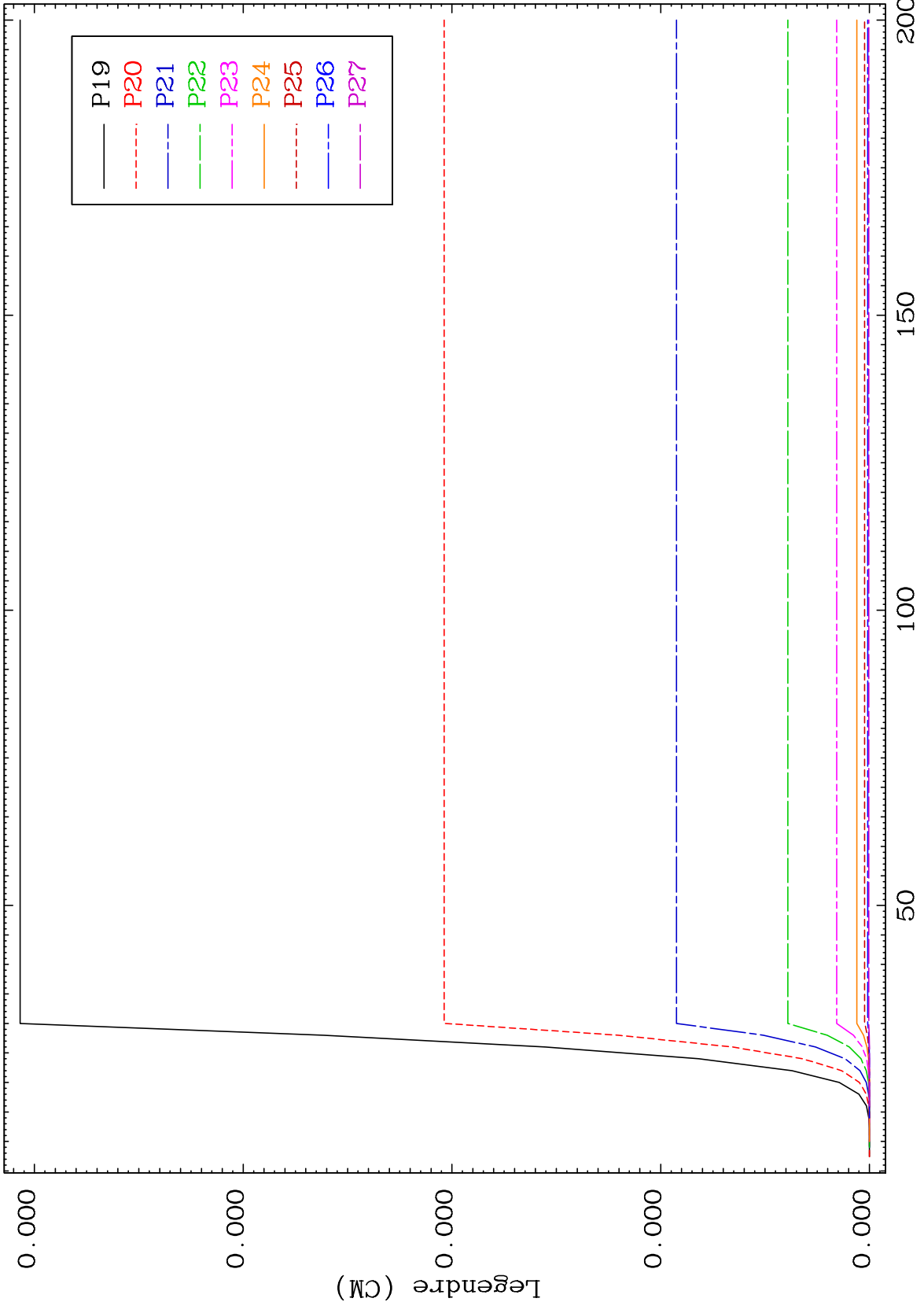


36

Incident Energy (MeV)

39-Y -99

MAT 3955 MT= 55 (n,n') Level Legendre Coefficients 39-Y -99

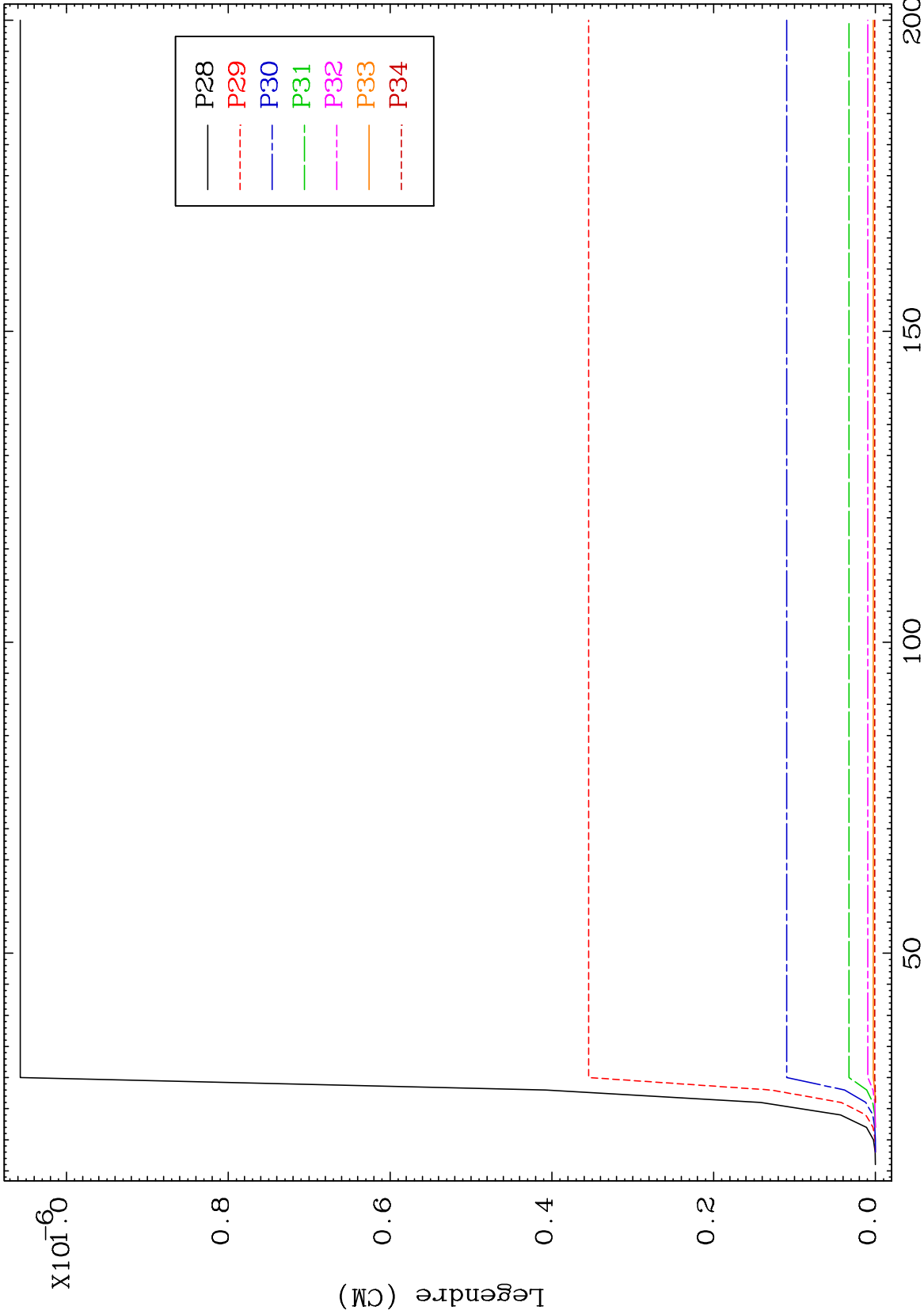


37 50 100 150 200 Incident Energy (MeV) 39-Y -99

MAT 3955

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

39-Y -99



38

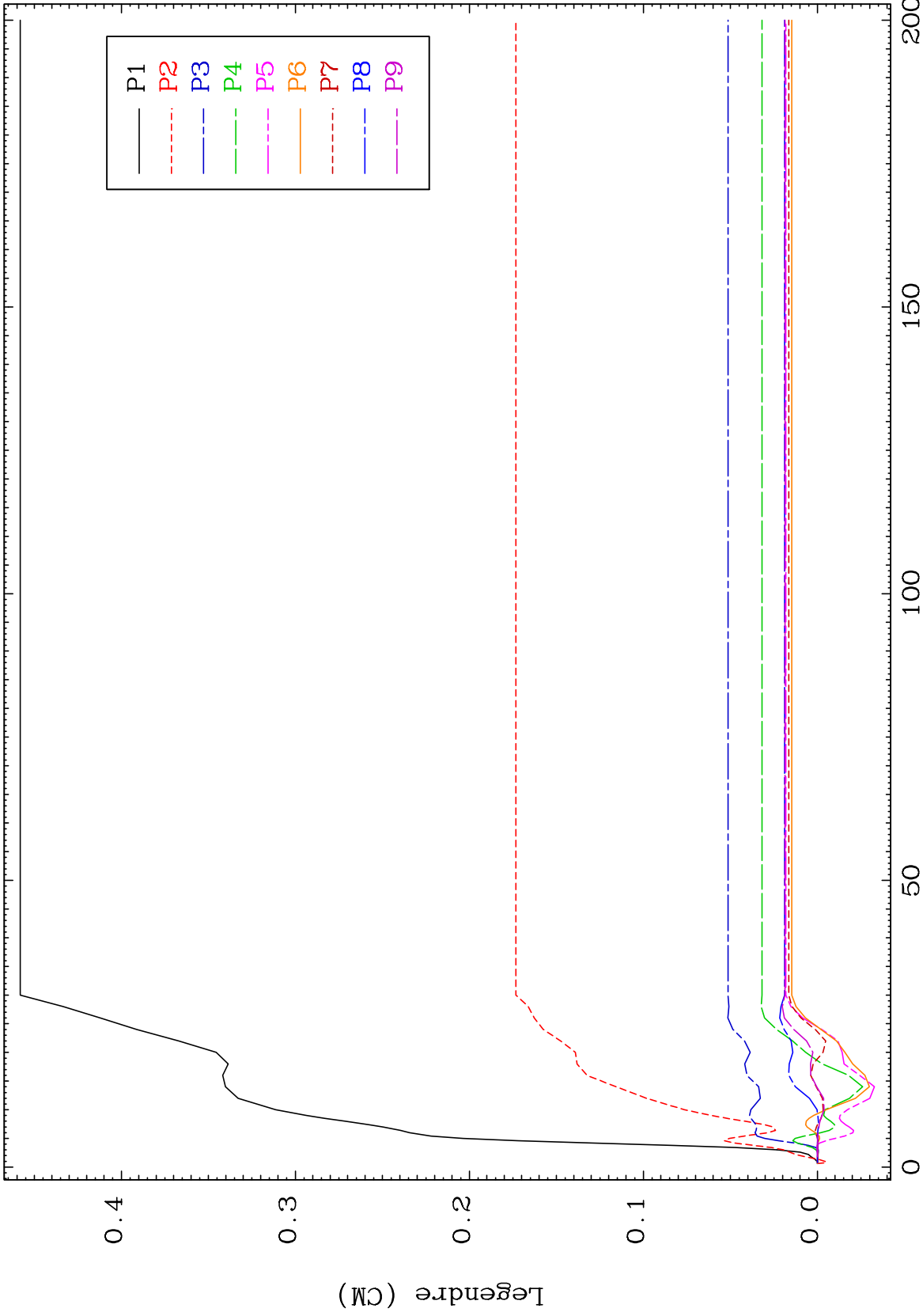
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



39

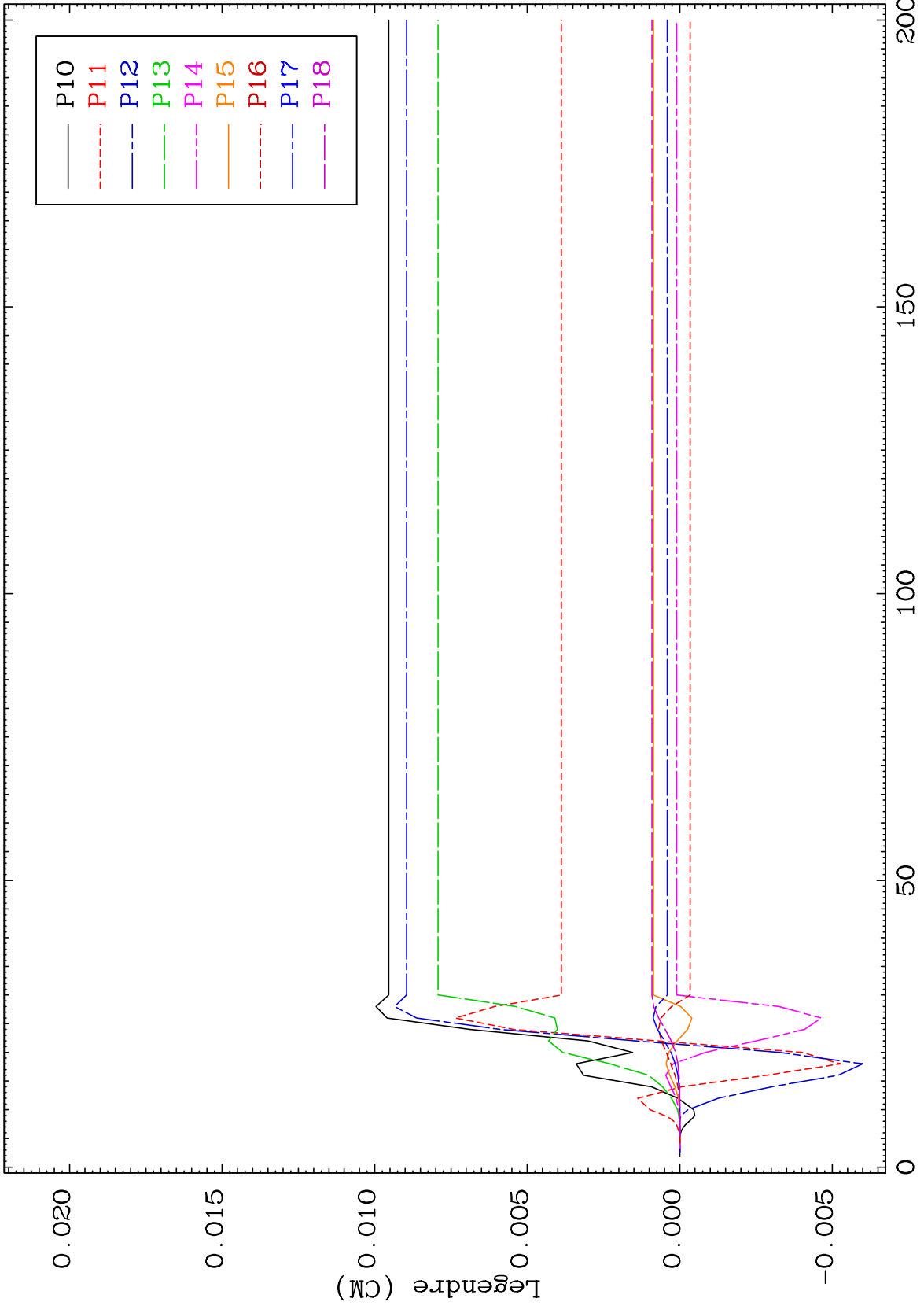
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



40

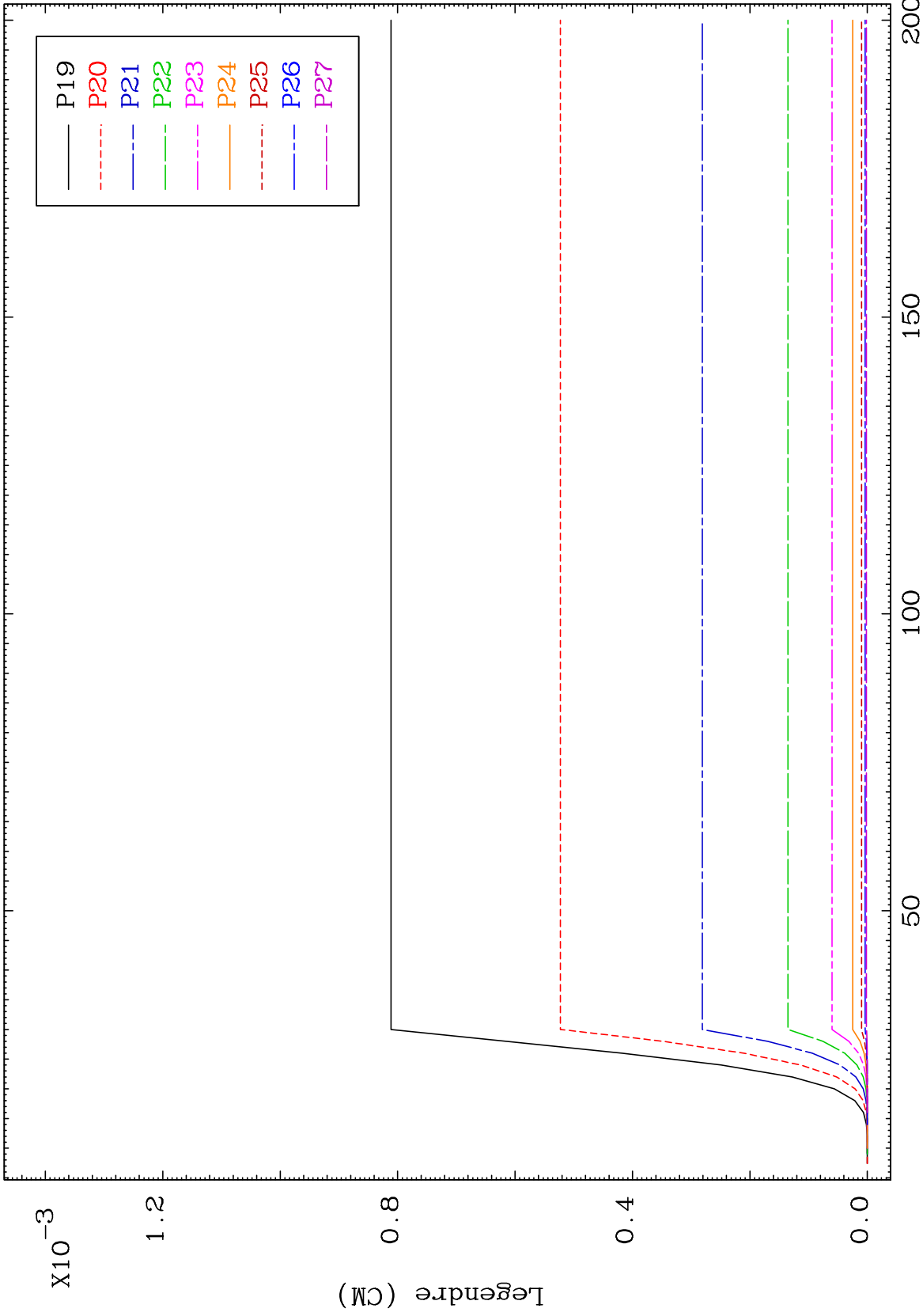
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



41

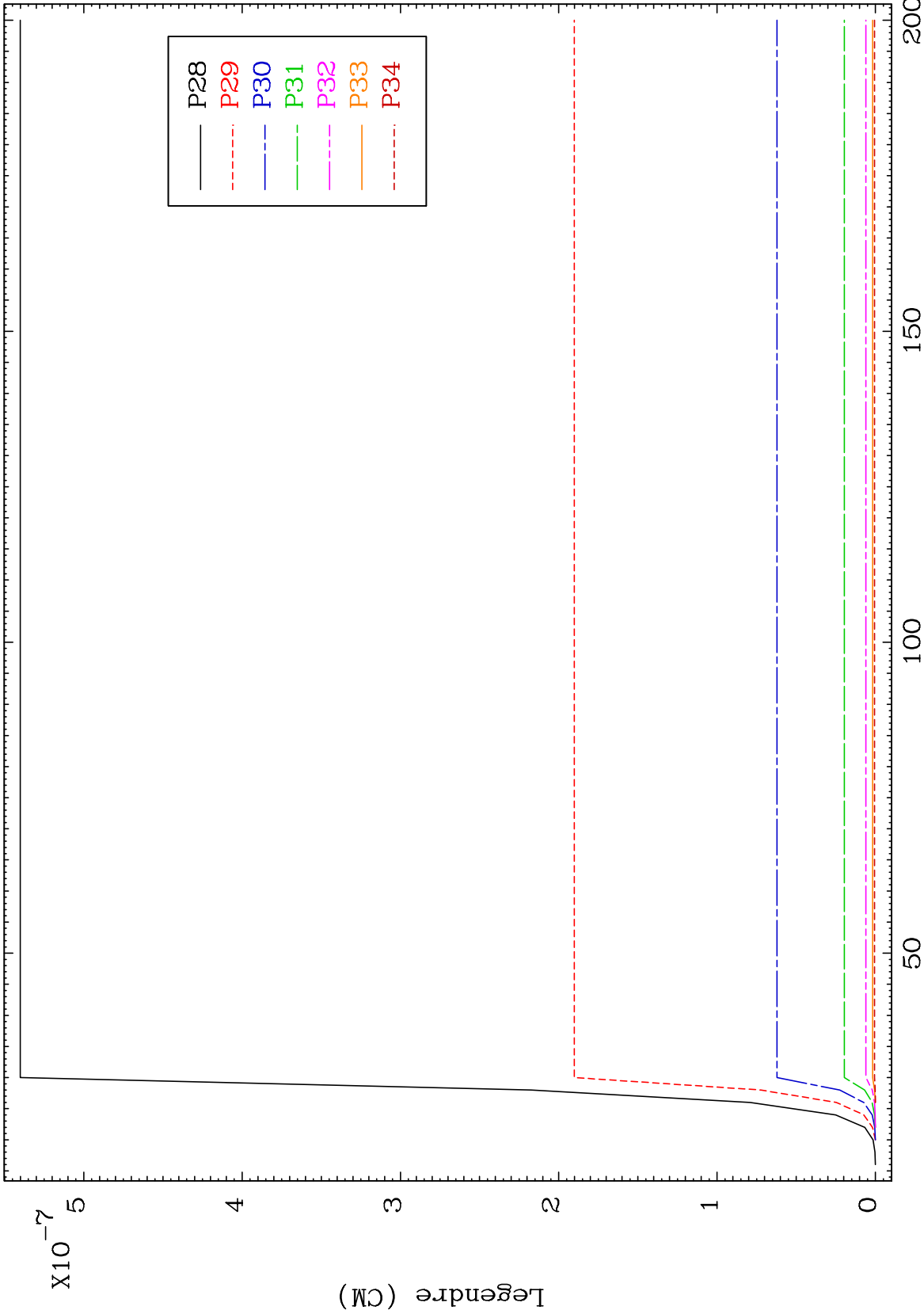
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



42

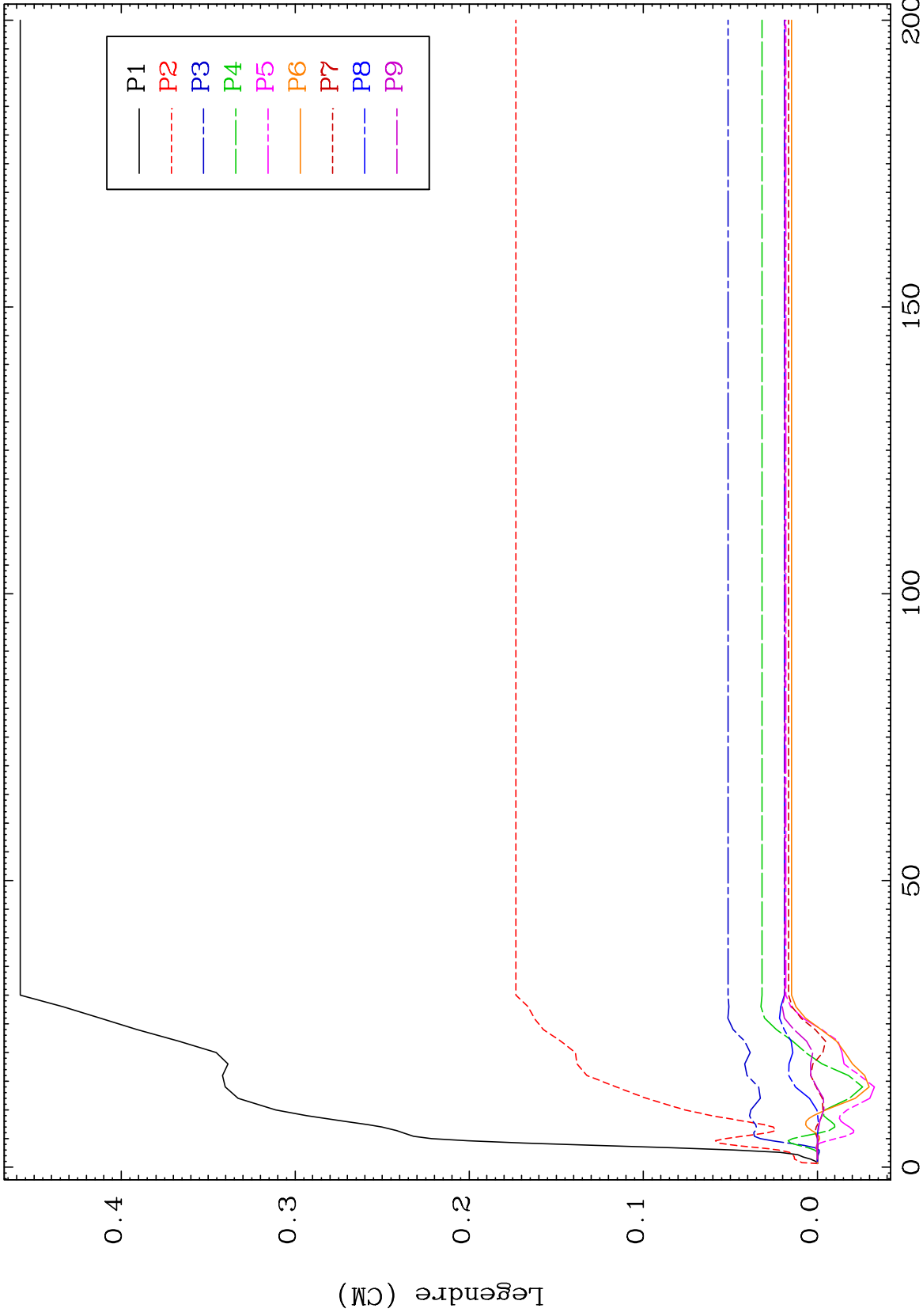
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



43

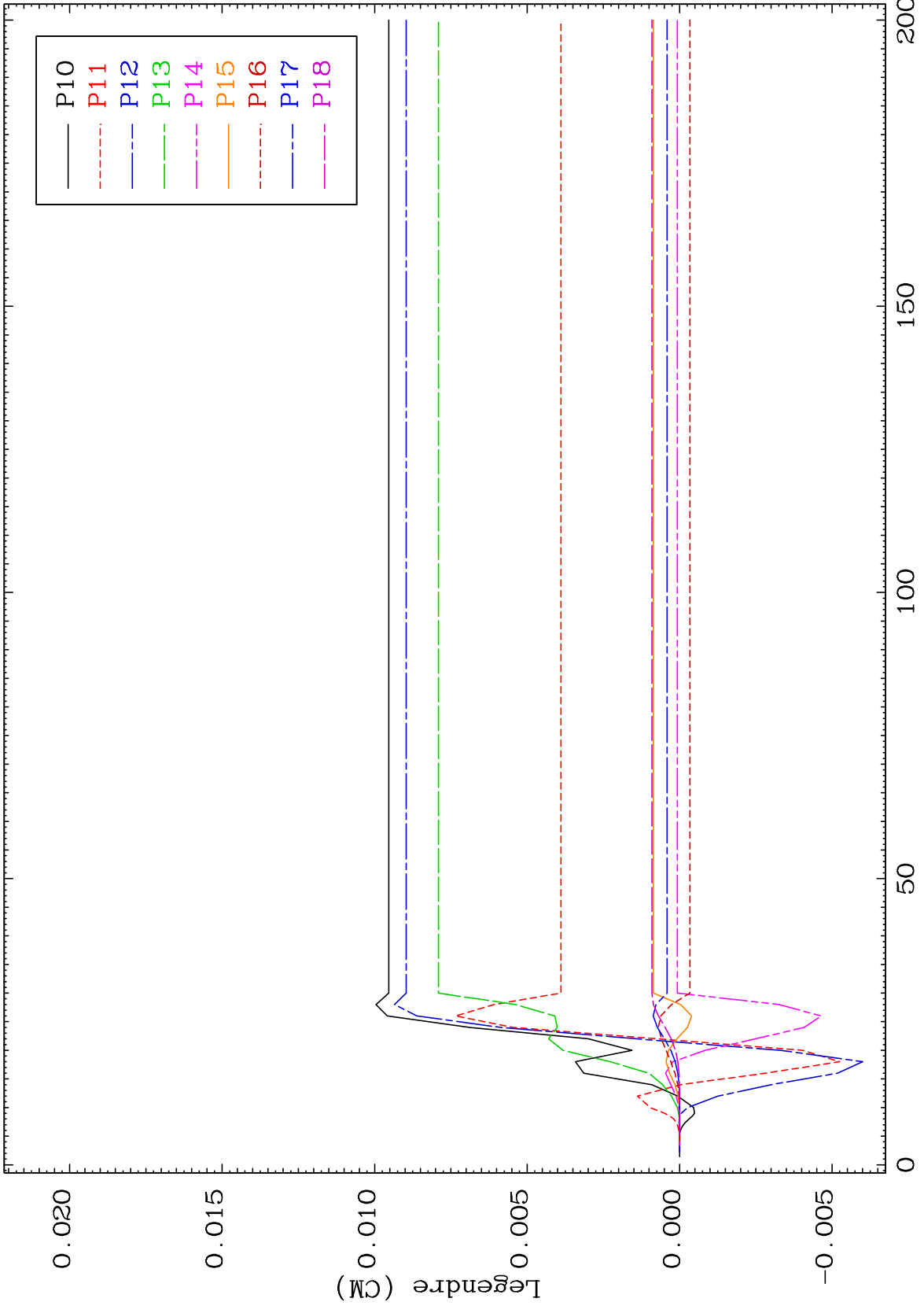
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



44

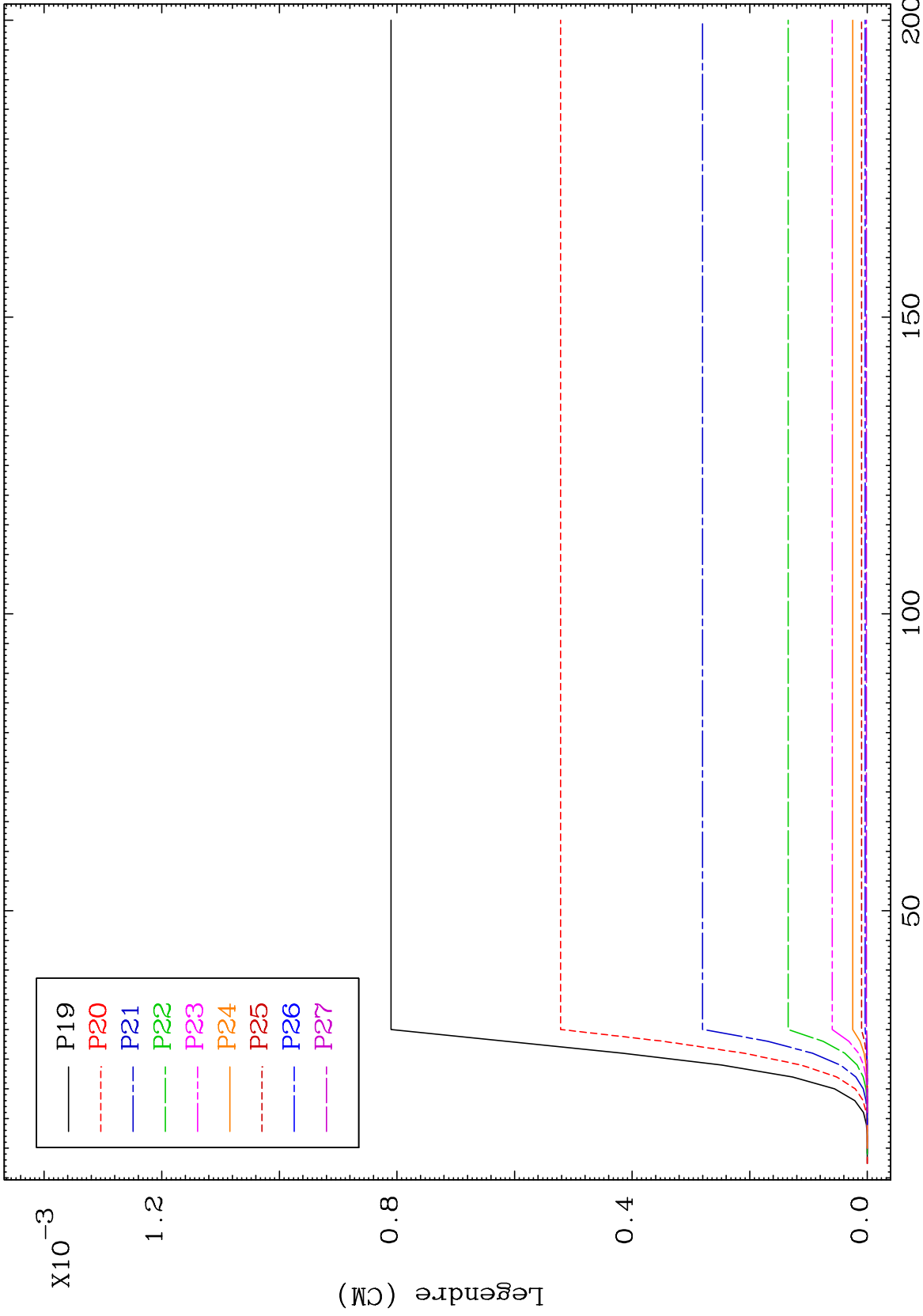
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



45

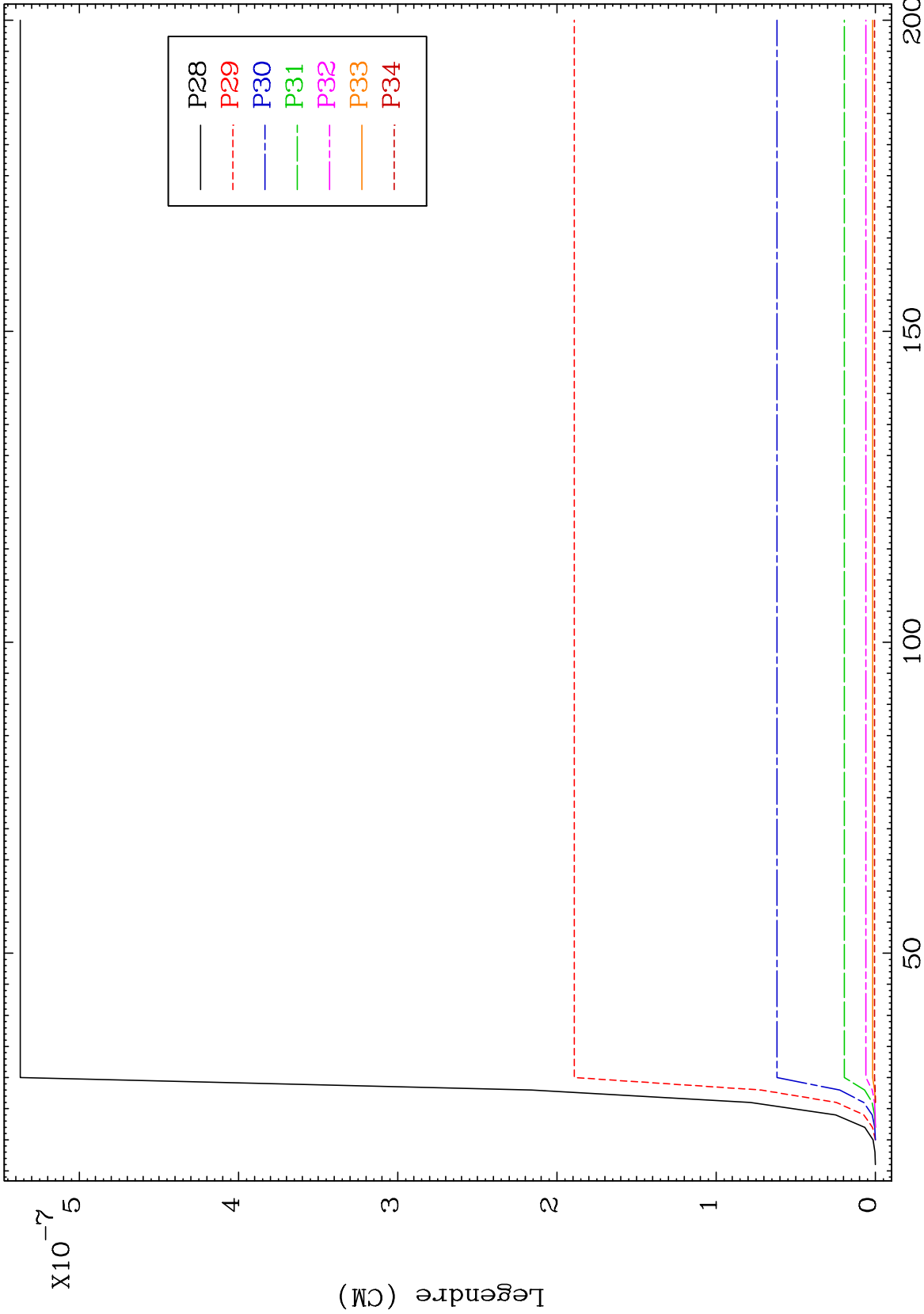
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



46

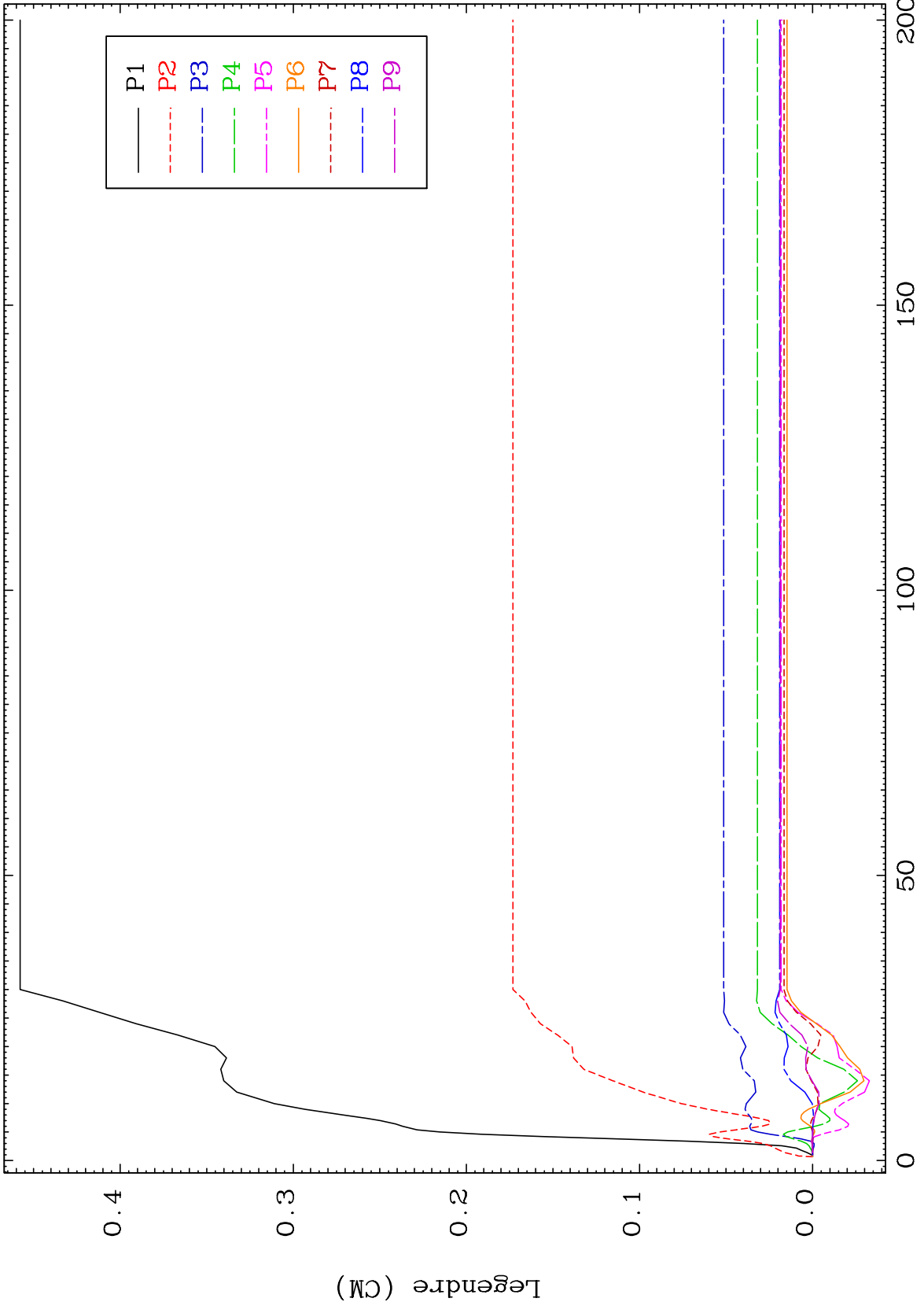
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



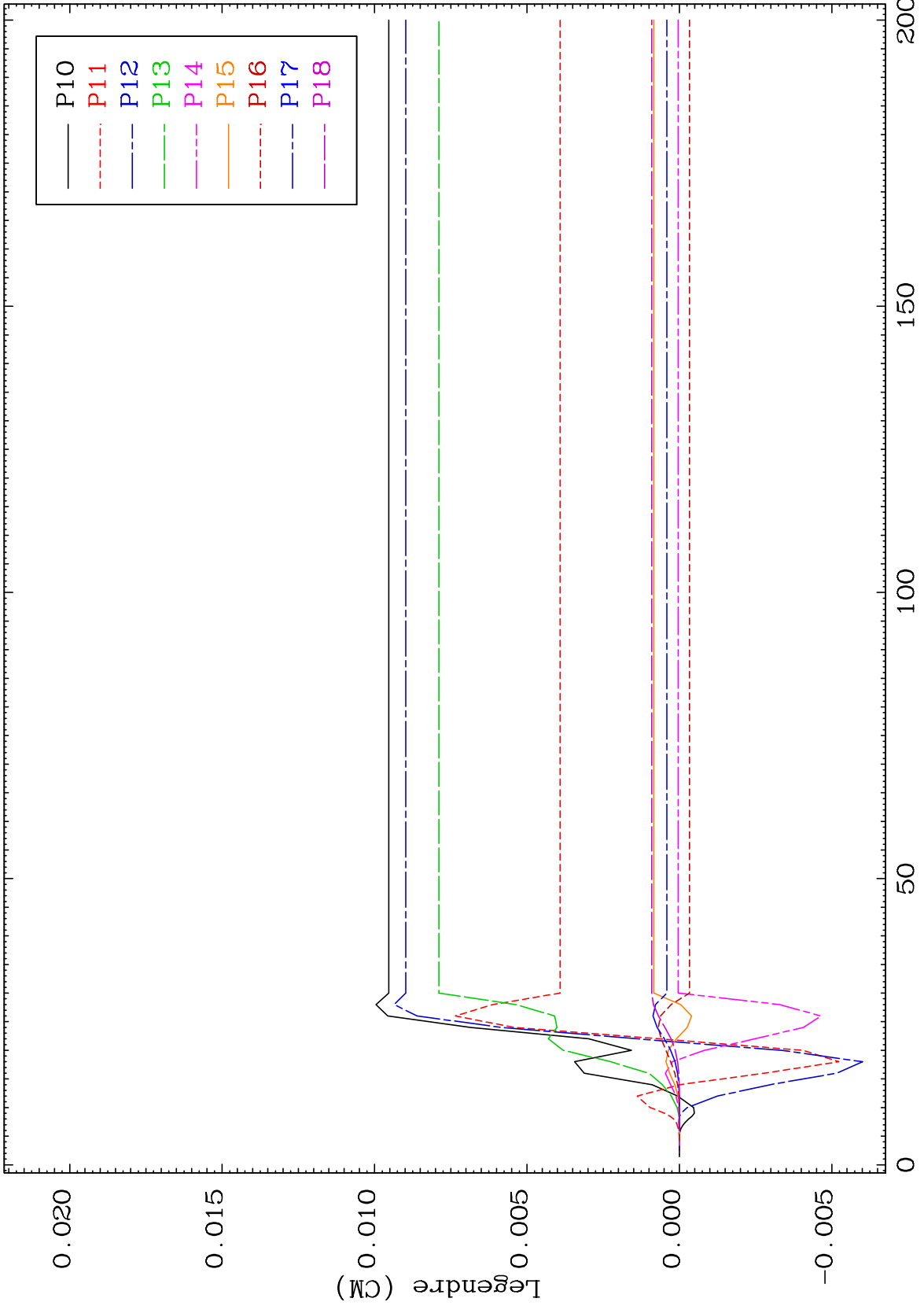
47

39-Y -99

MAT 3955

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

39-Y -99



48

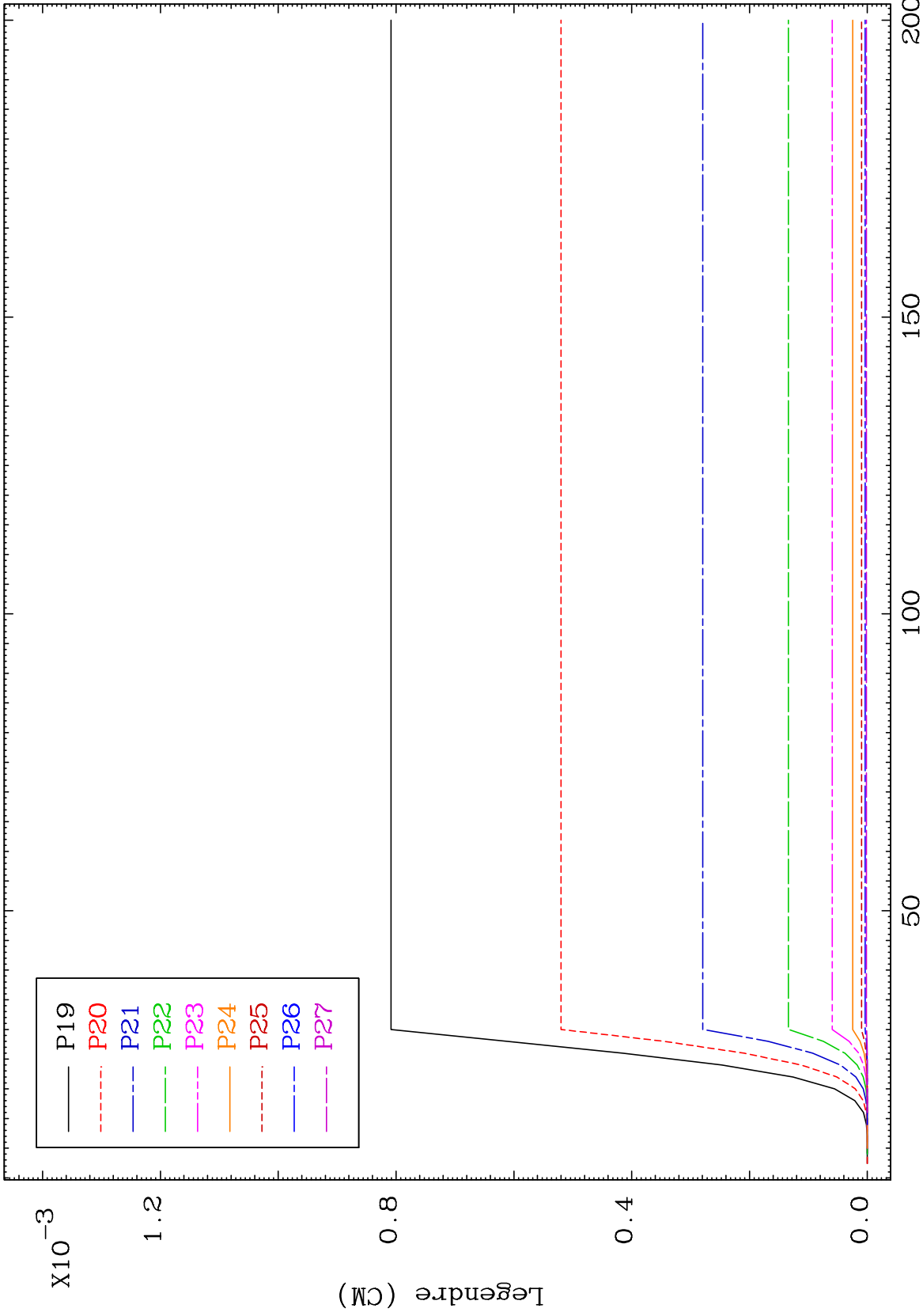
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



49

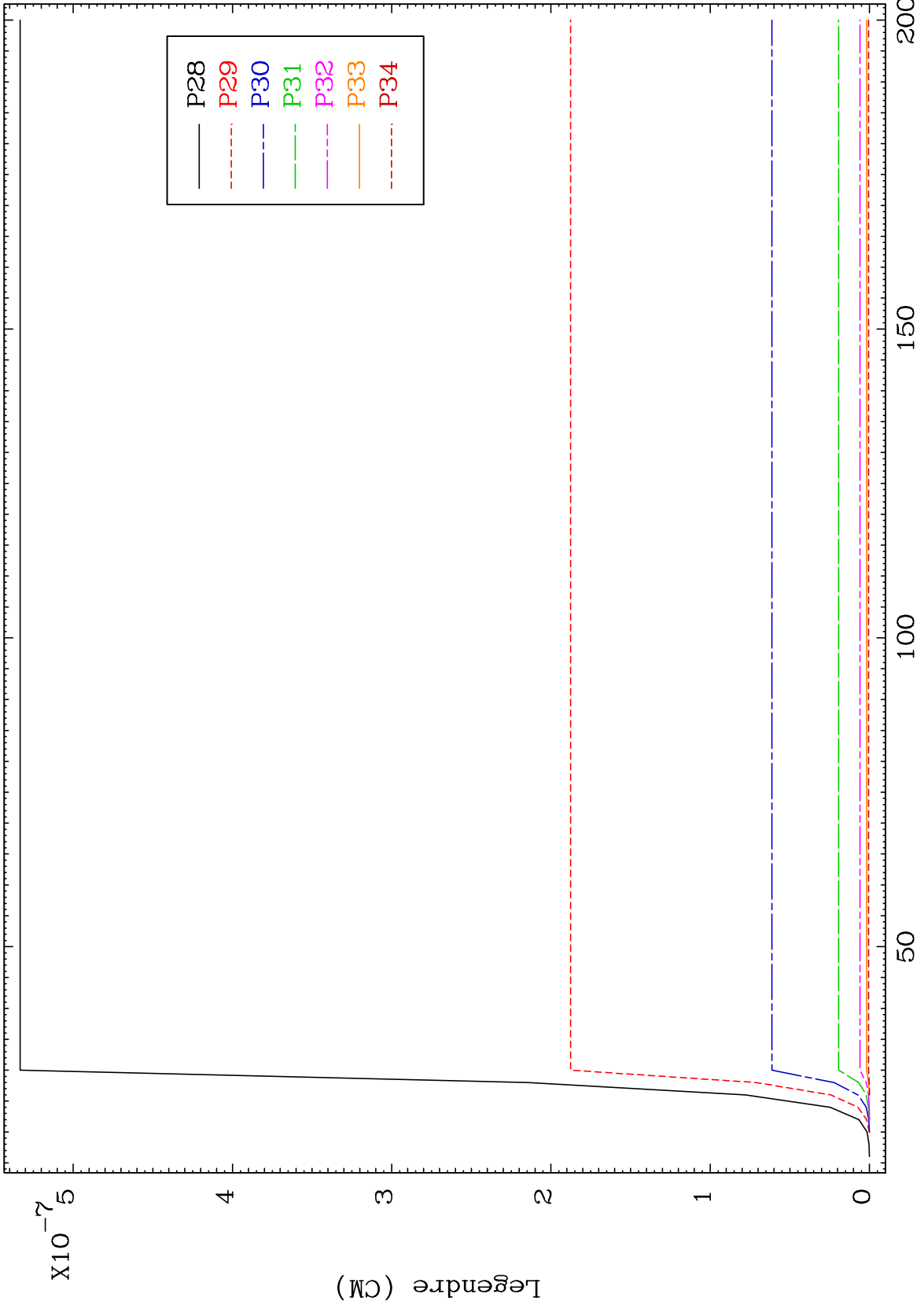
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



50

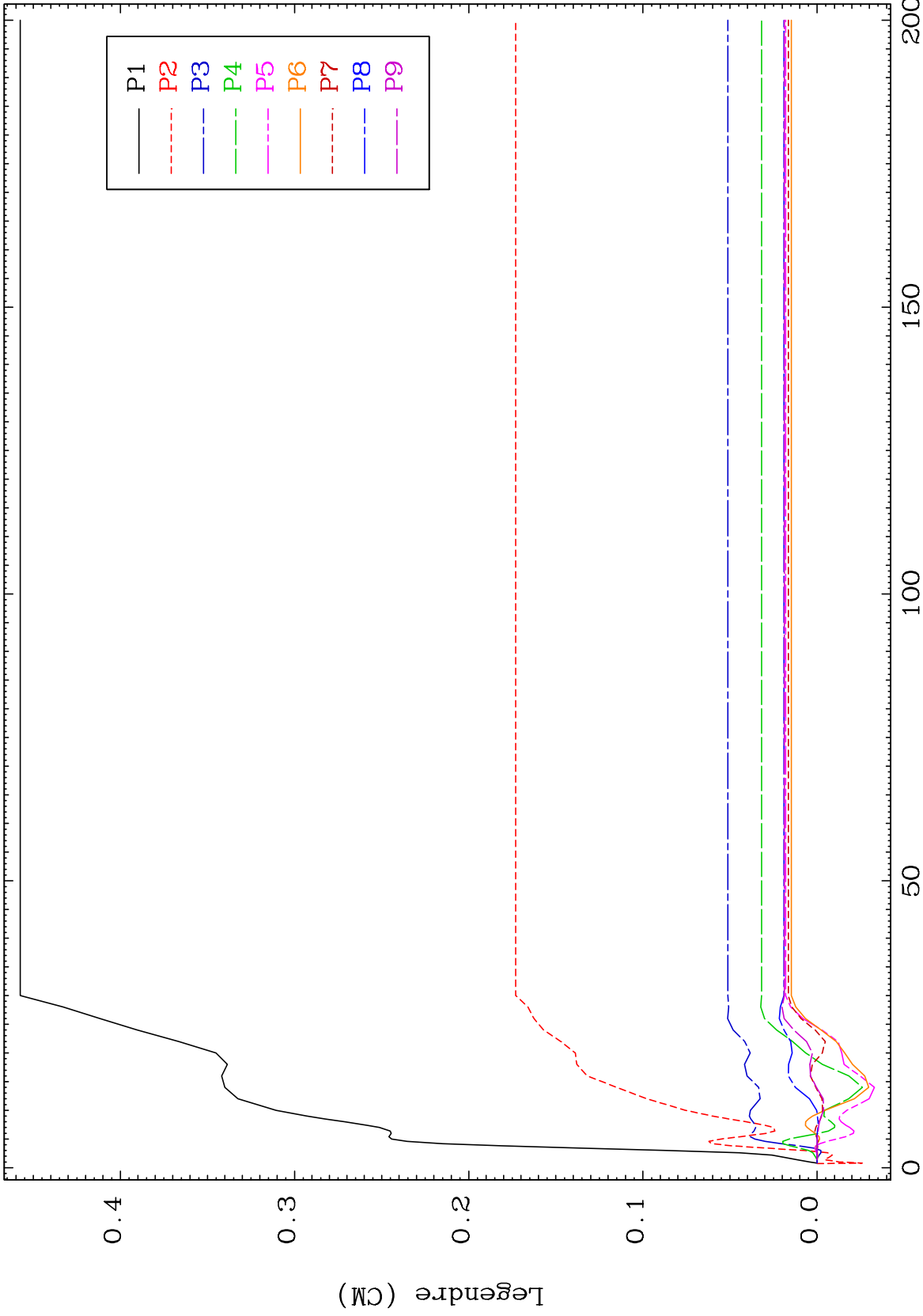
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



51

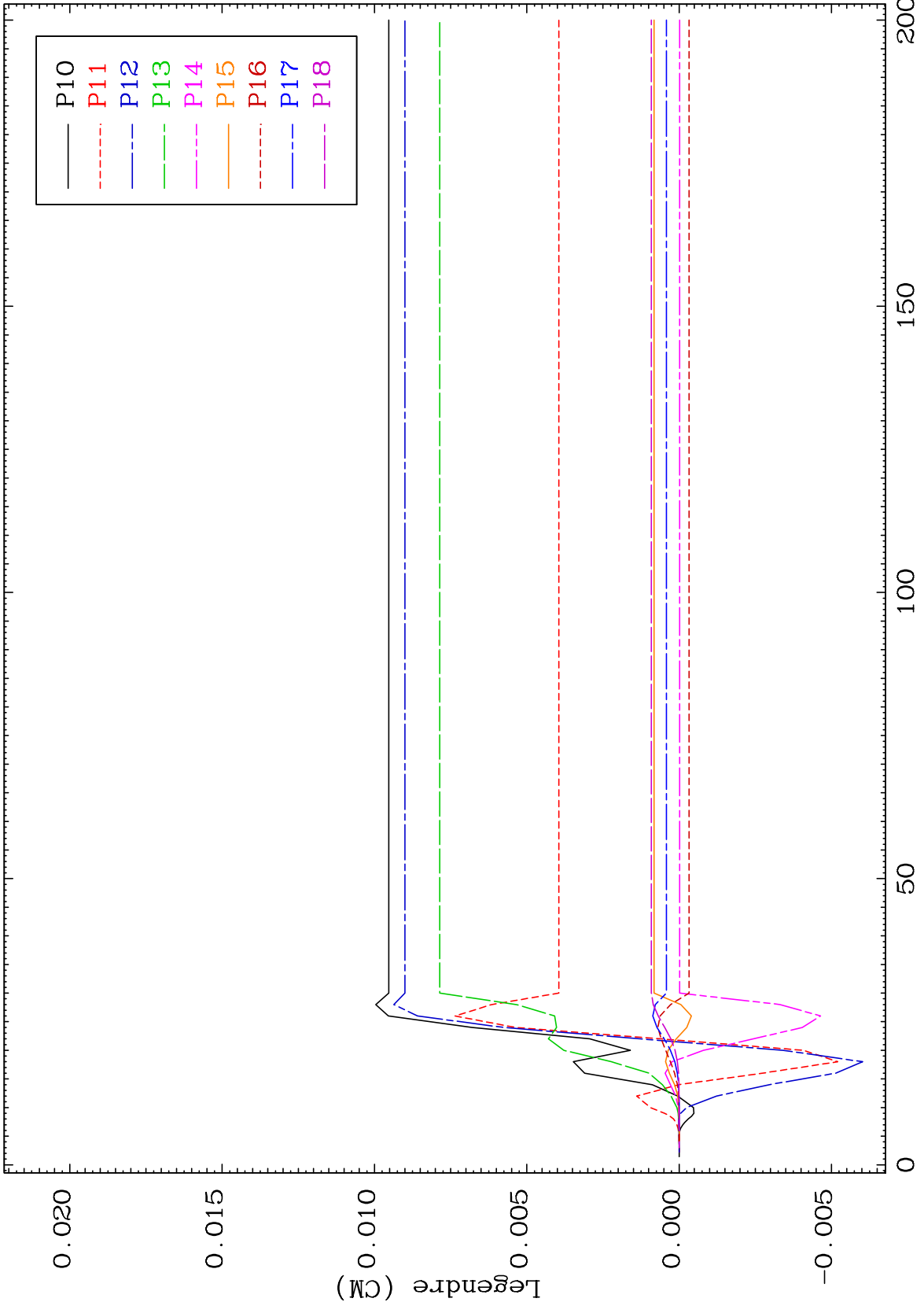
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



52

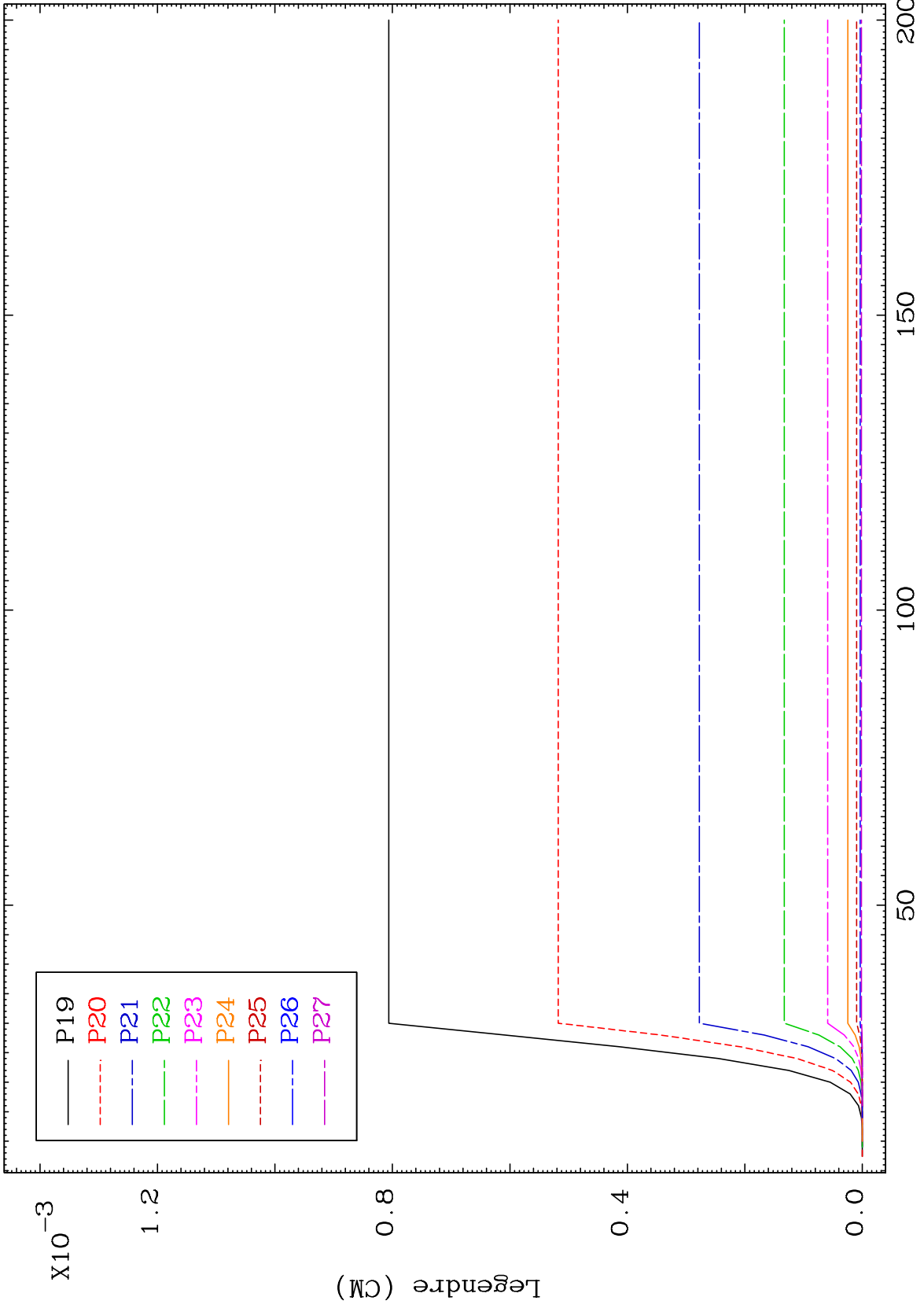
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



53

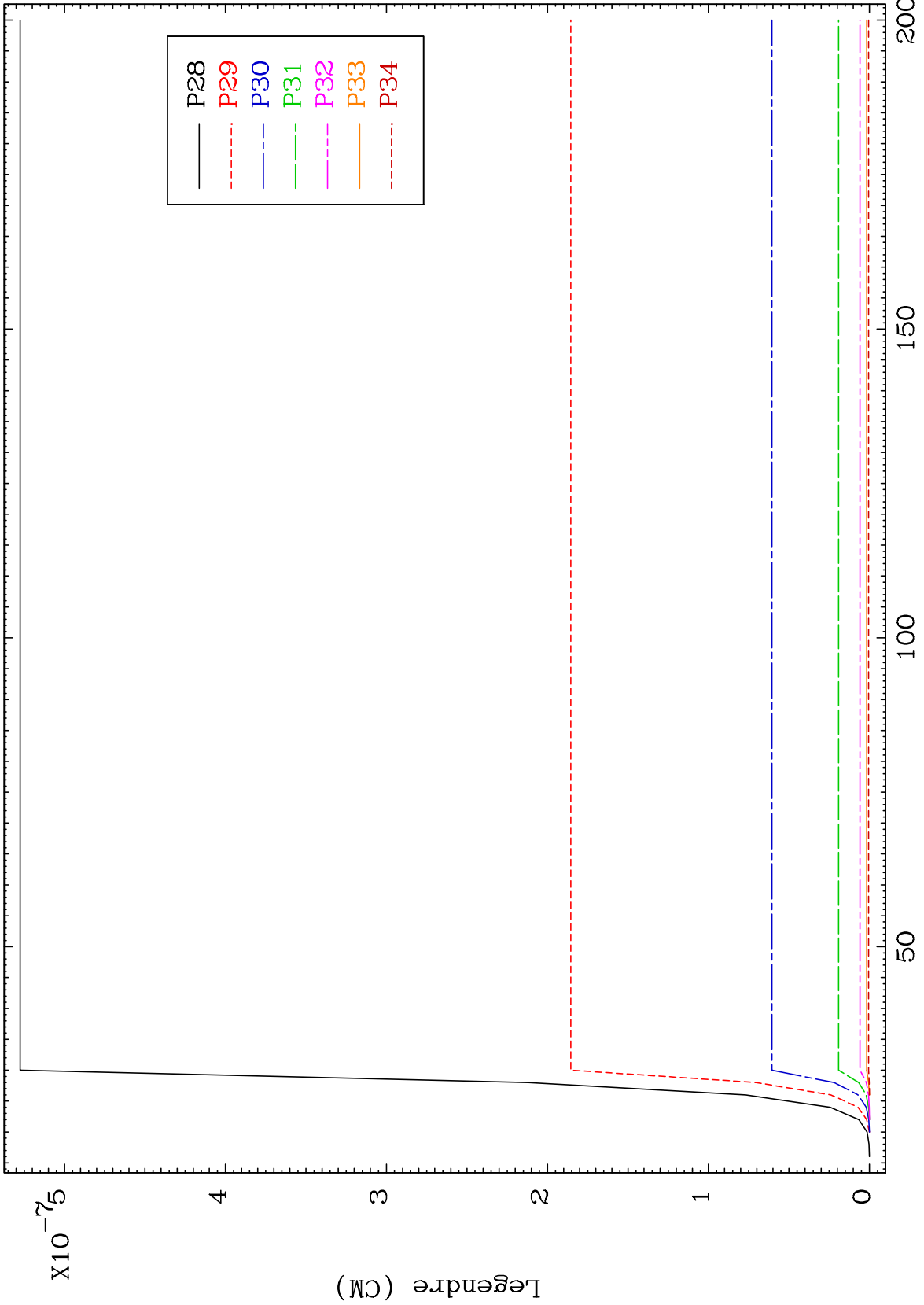
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99

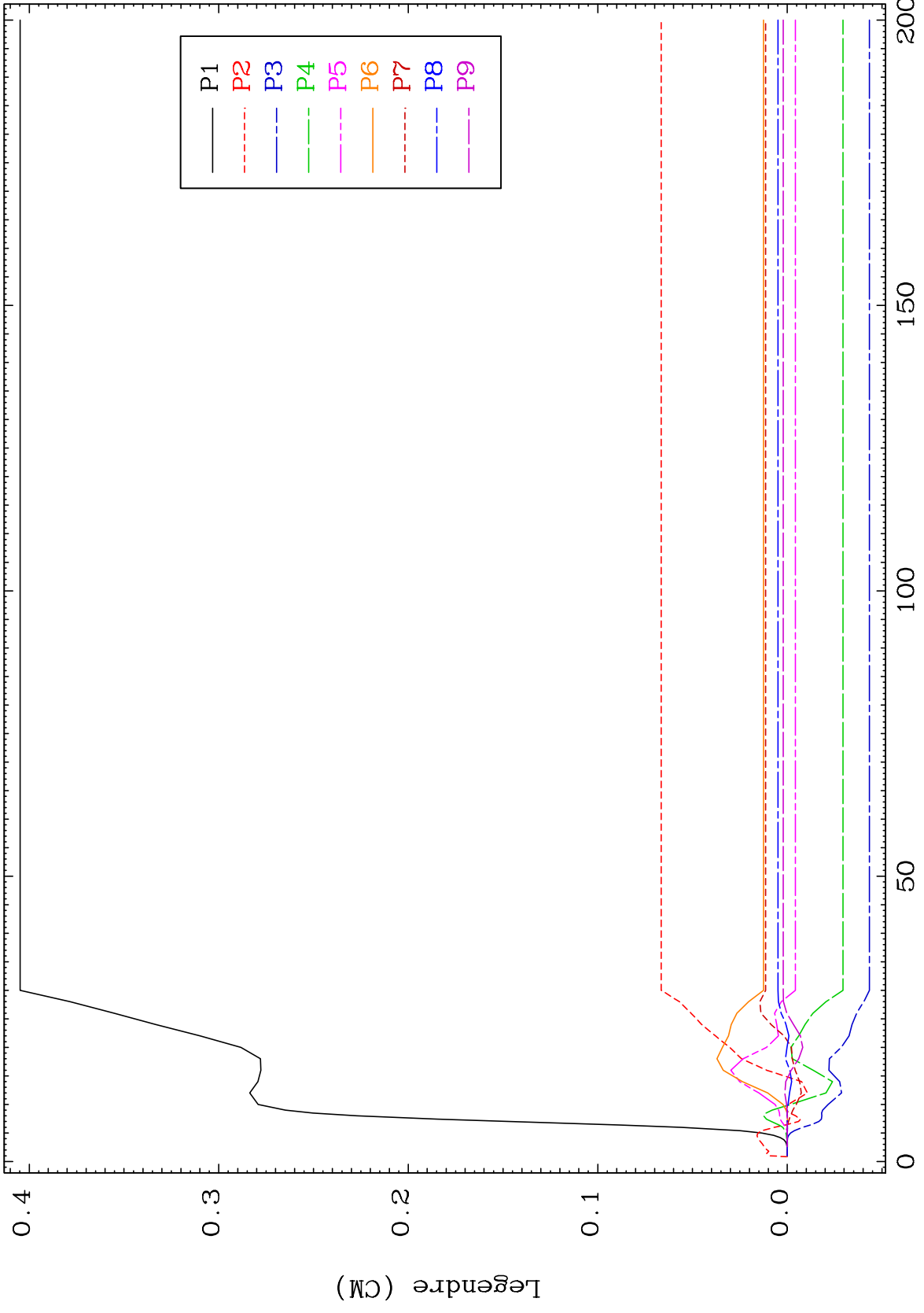


54

Incident Energy (MeV)

39-Y -99

MAT 3955 MT= 60 (n,n') Level Legendre Coefficients 39-Y -99

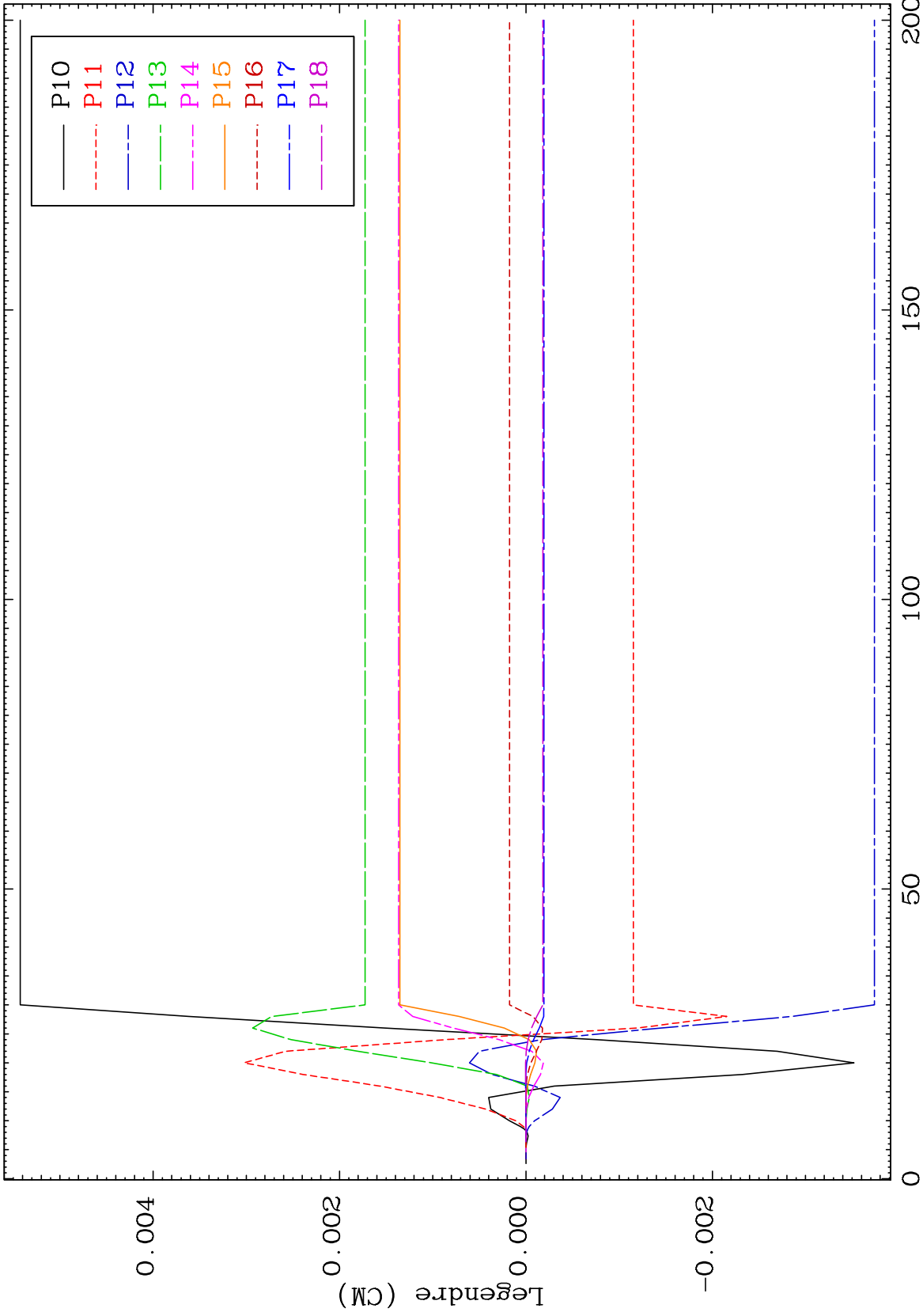


55 Incident Energy (MeV) 39-Y -99

MAT 3955

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

39-Y -99



56

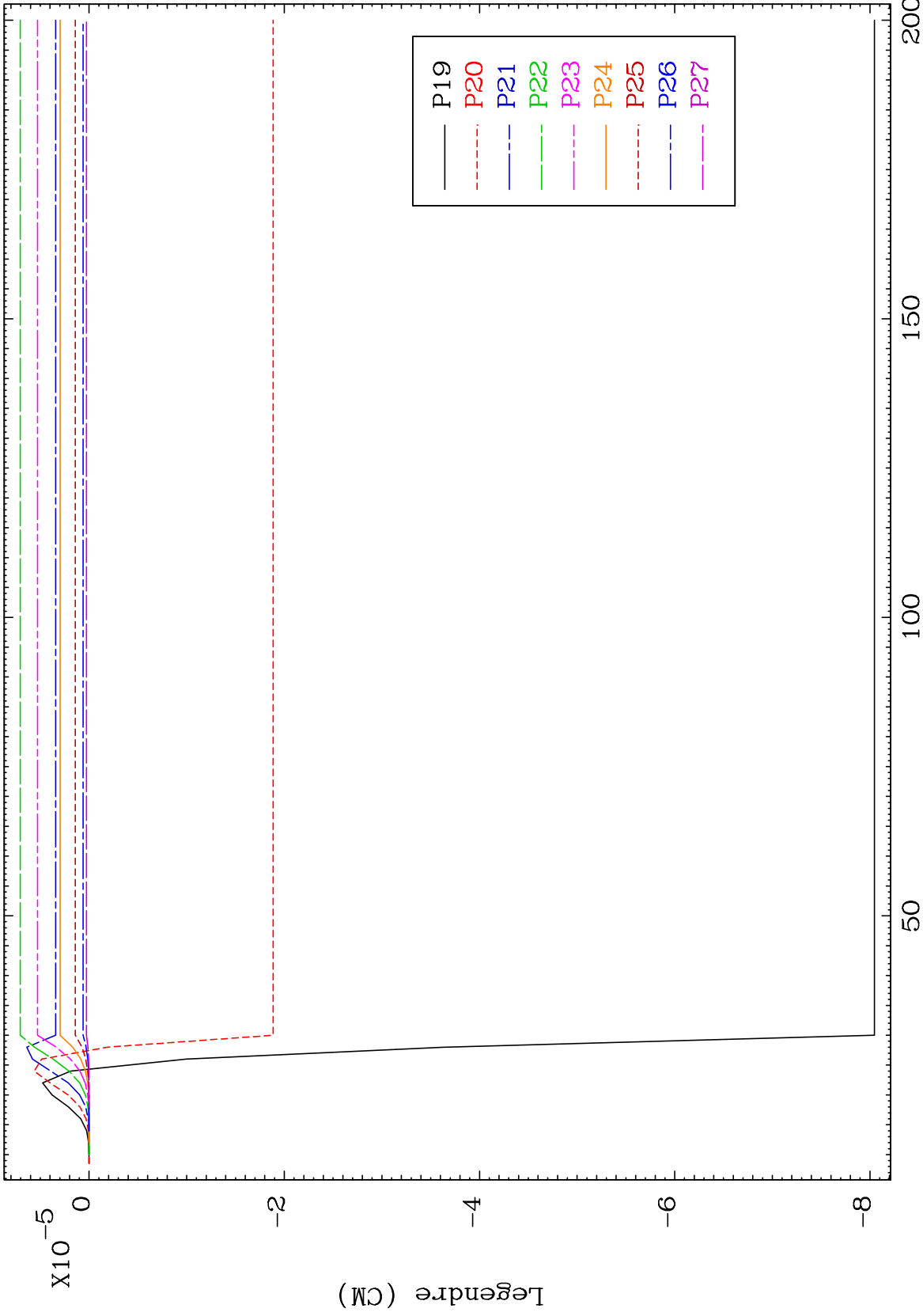
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



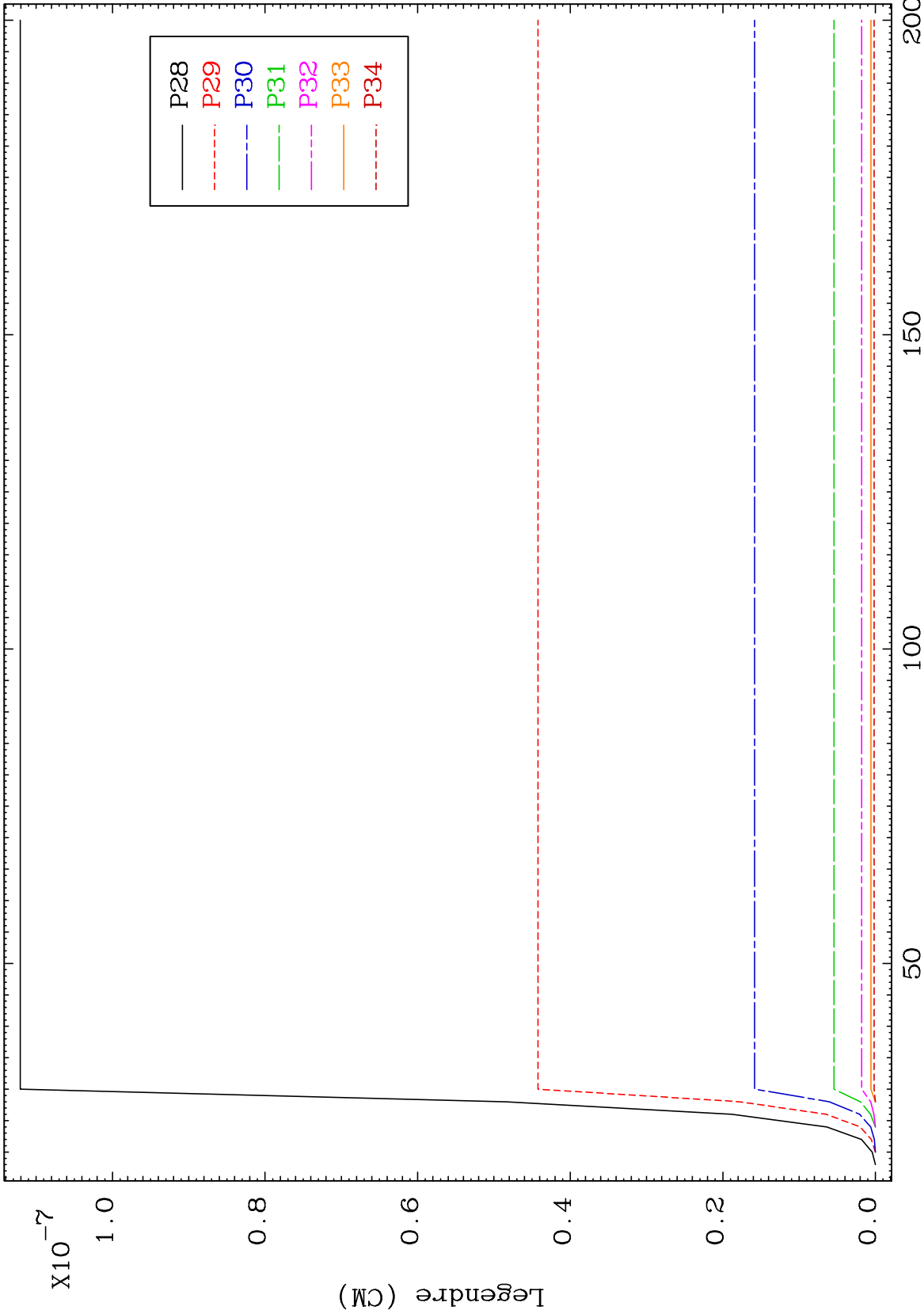
57

39-Y -99

MAT 3955

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

39-Y -99



58

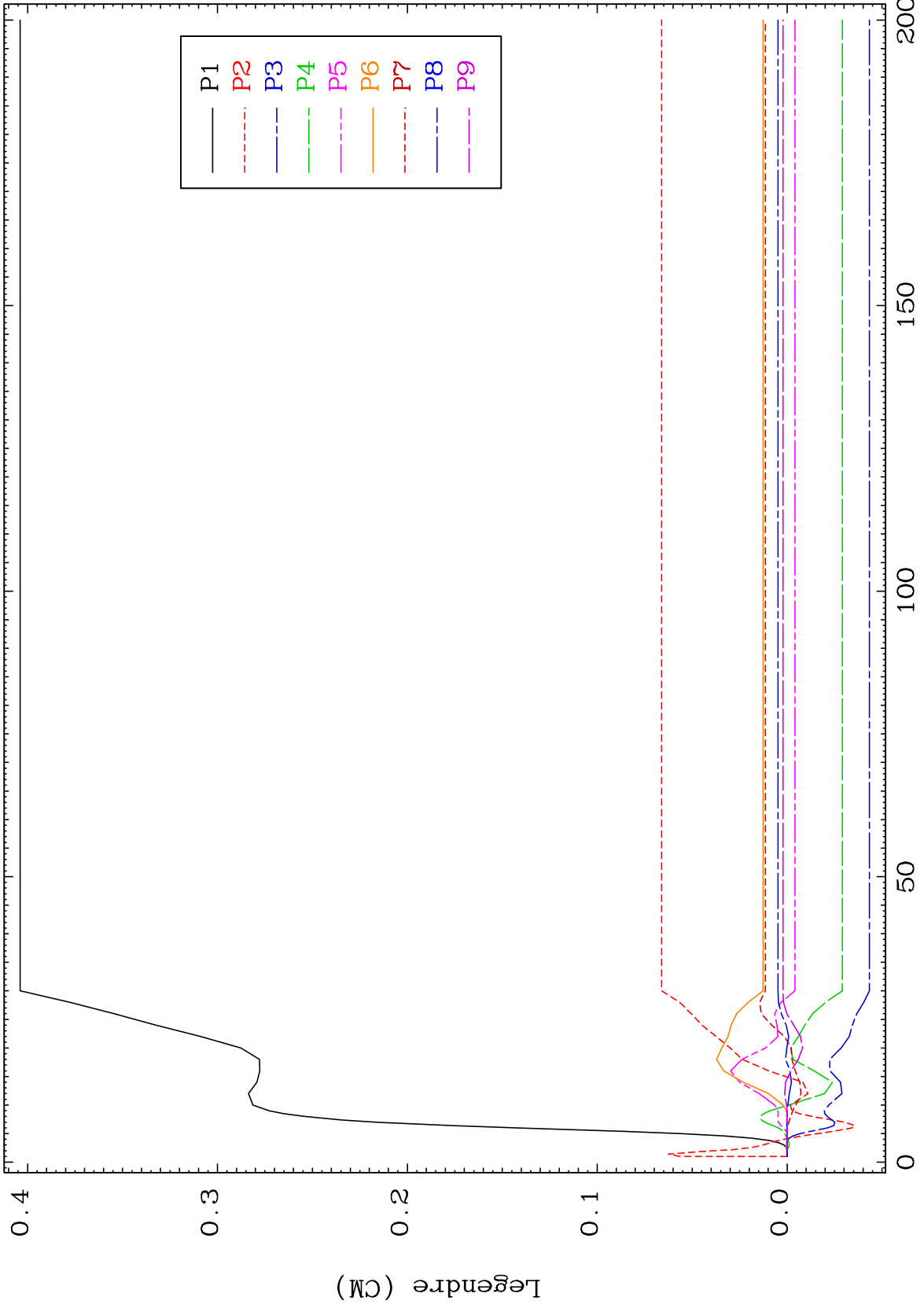
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



59

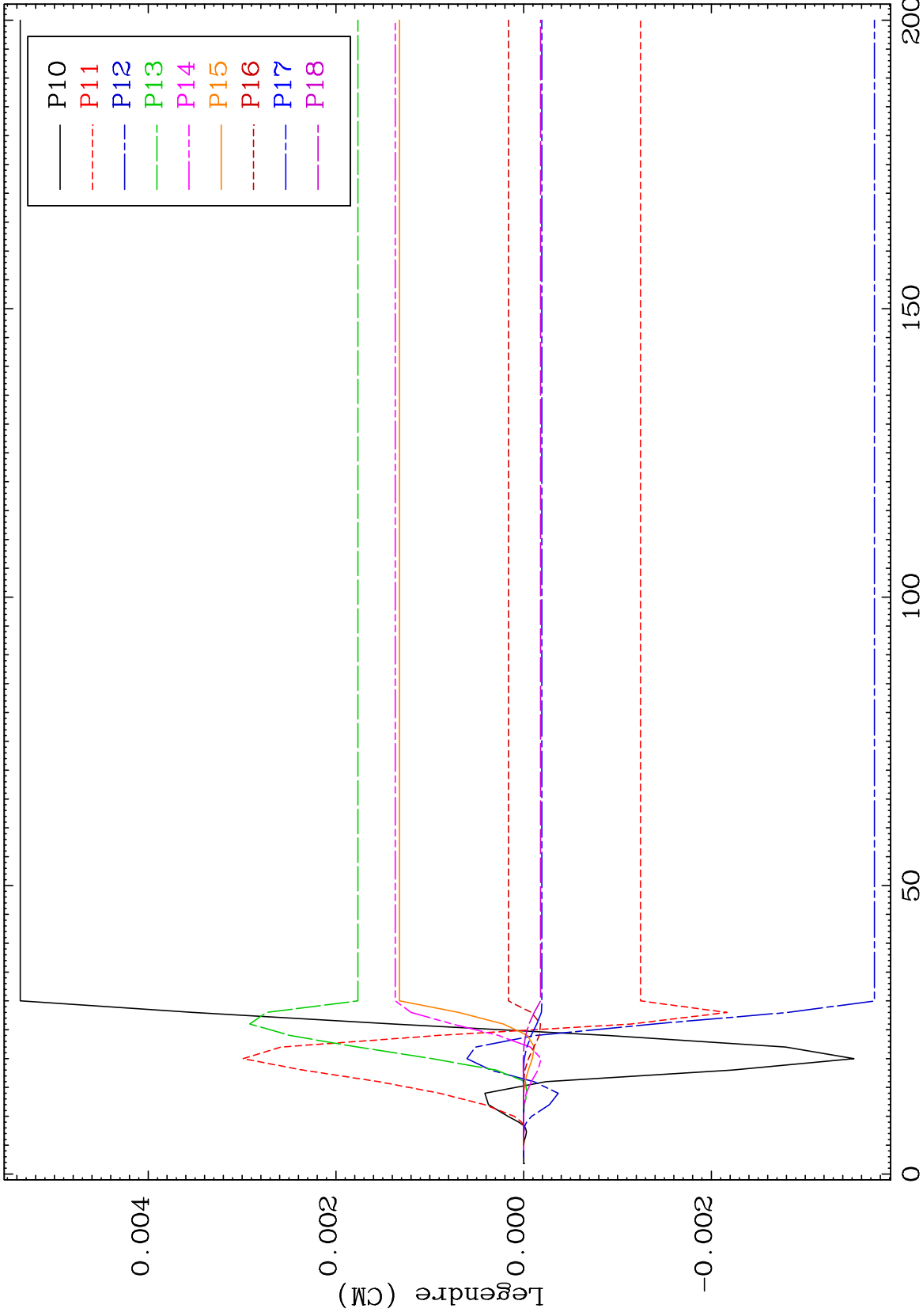
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



60

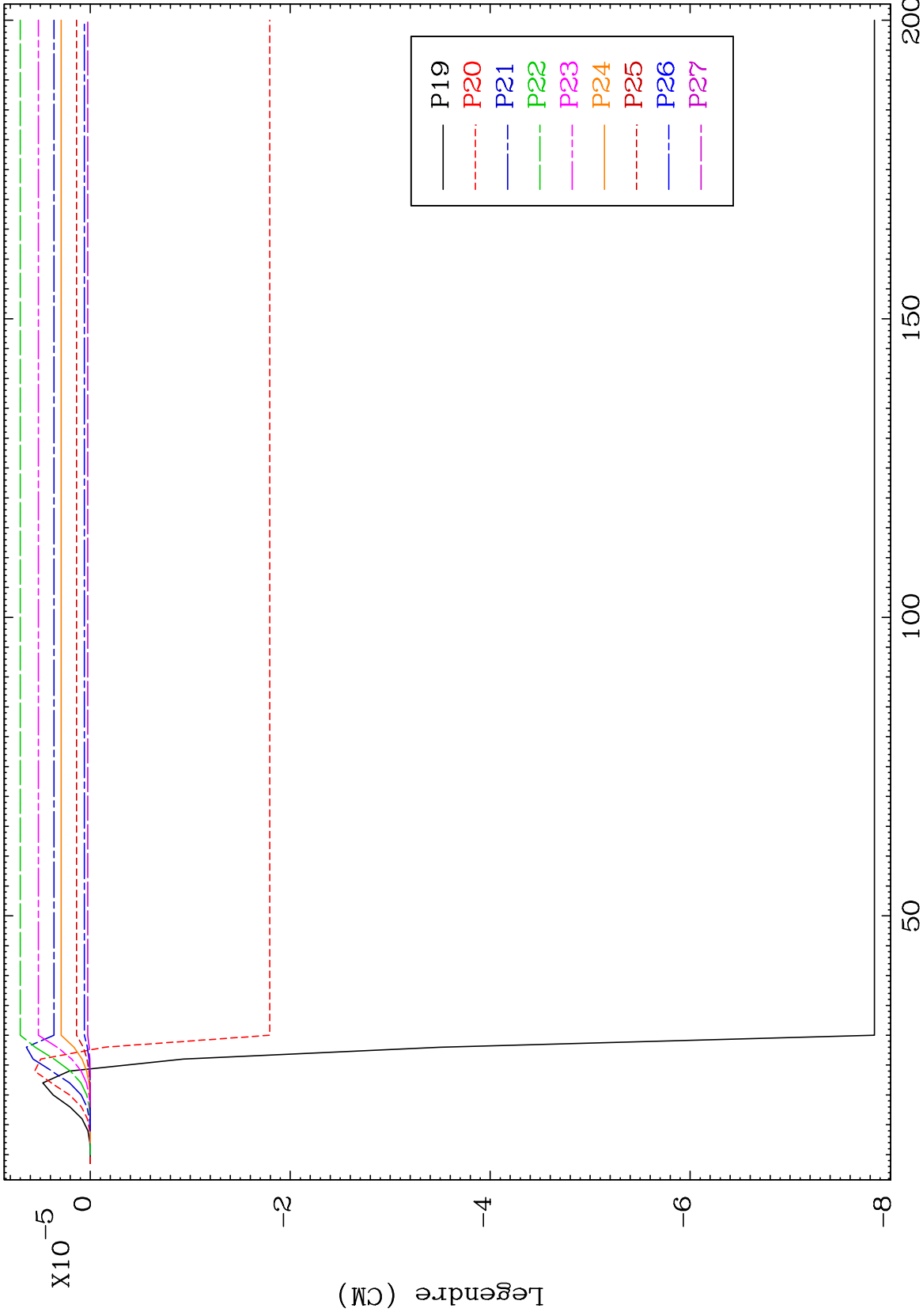
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



61

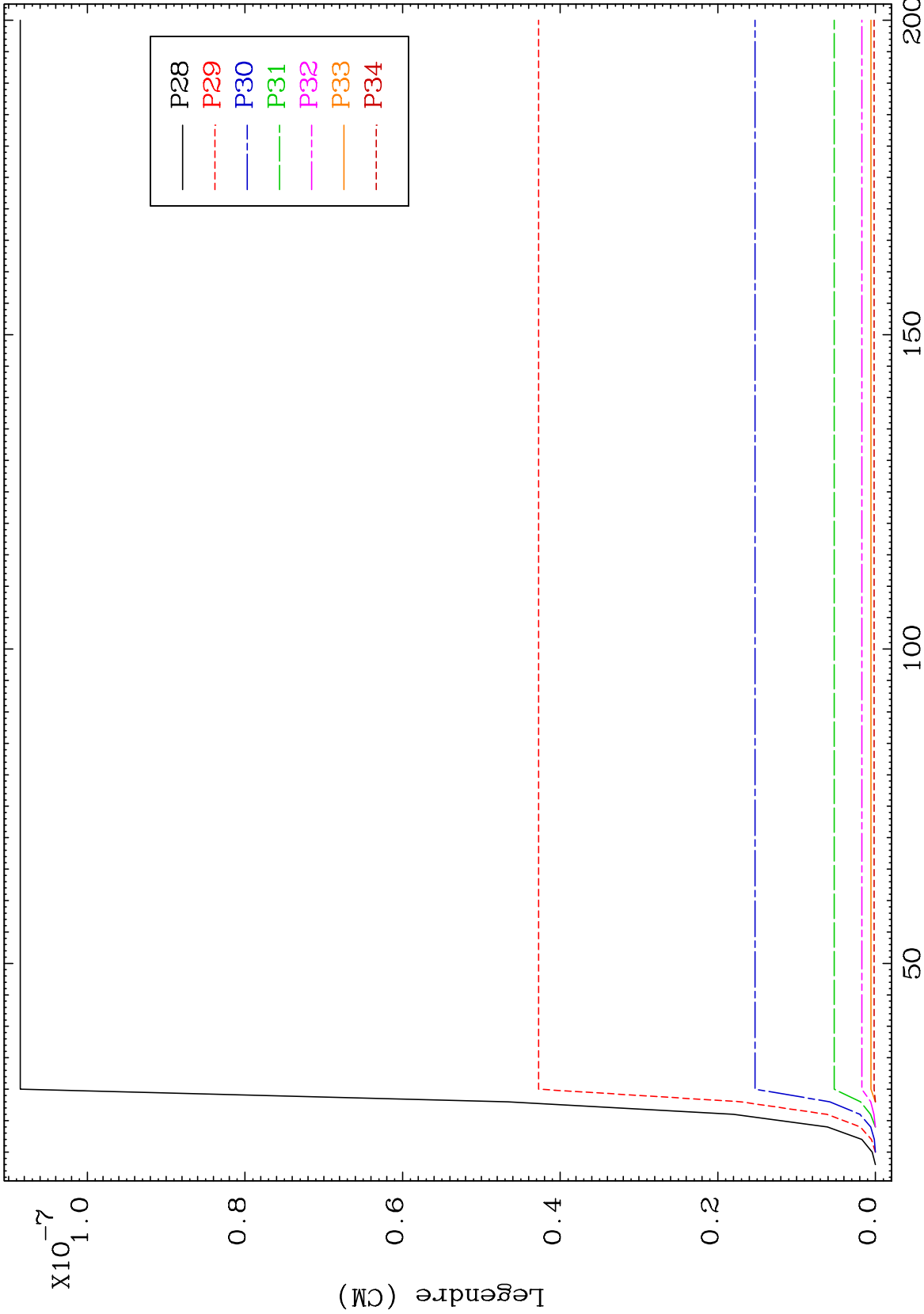
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99

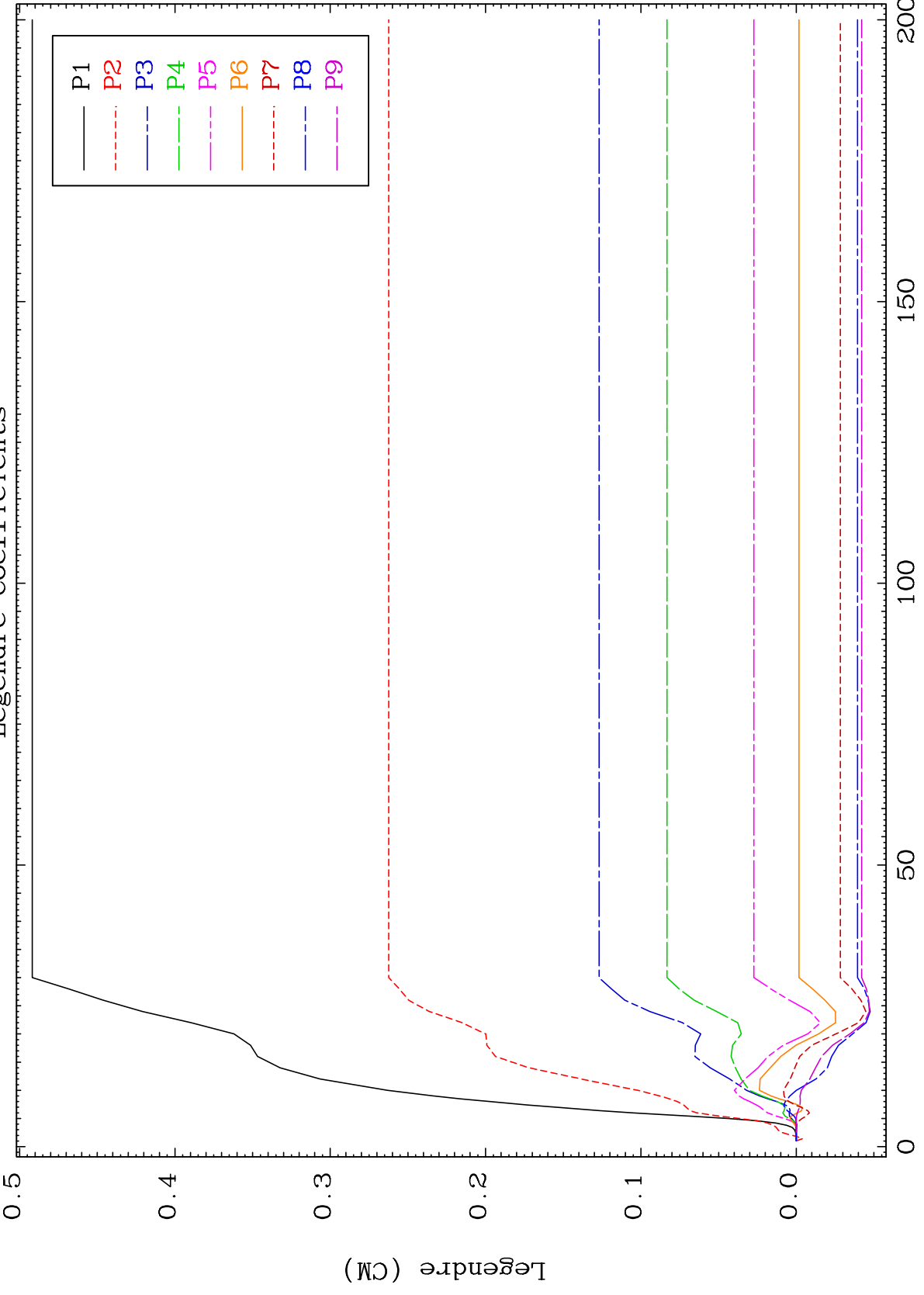


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Incident Energy (MeV)

39-Y -99

MAT 3955 MT= 62 (n,n') Level Legendre Coefficients 39-Y -99

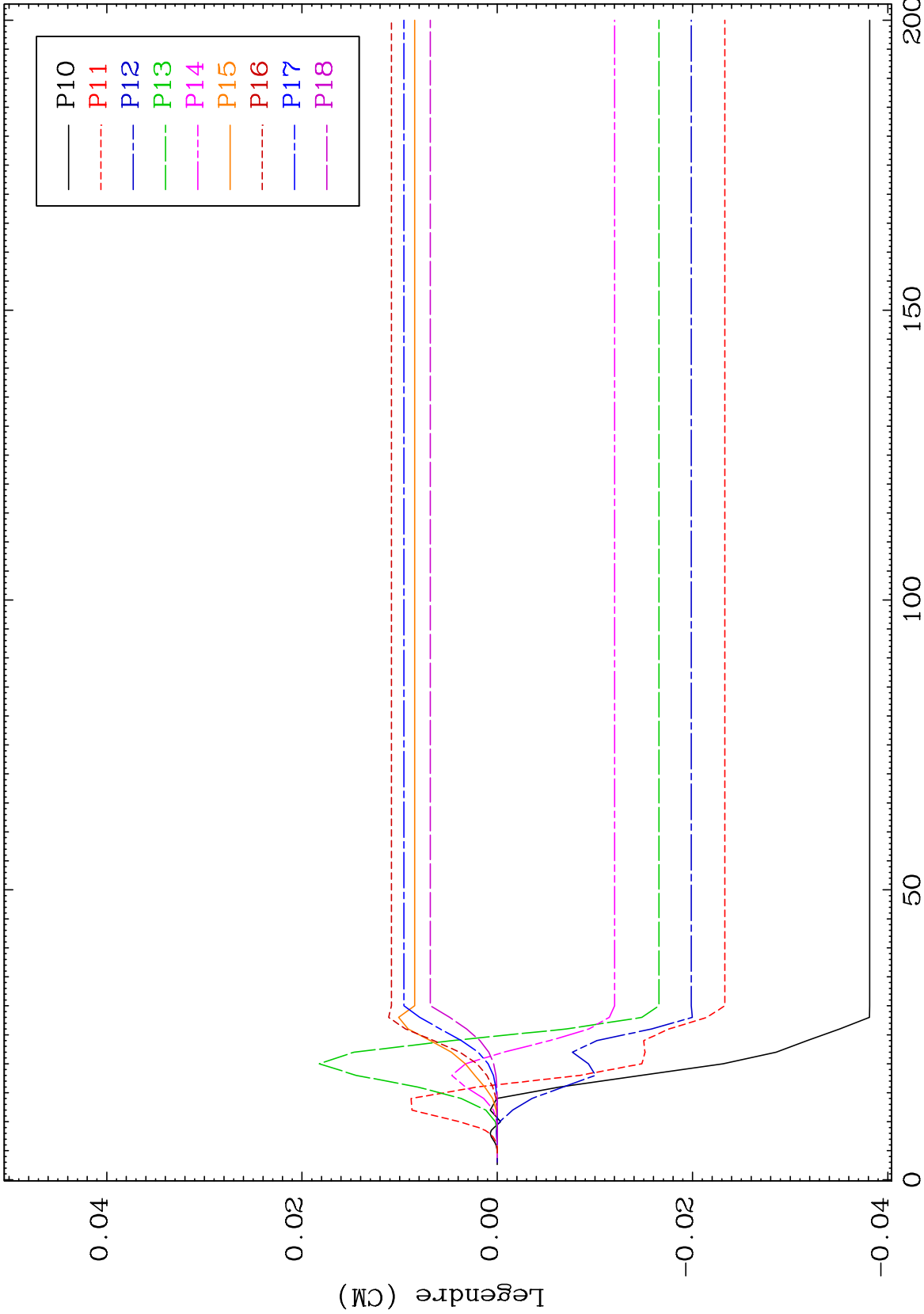


63 39-Y -99

MAT 3955

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

39-Y -99



64

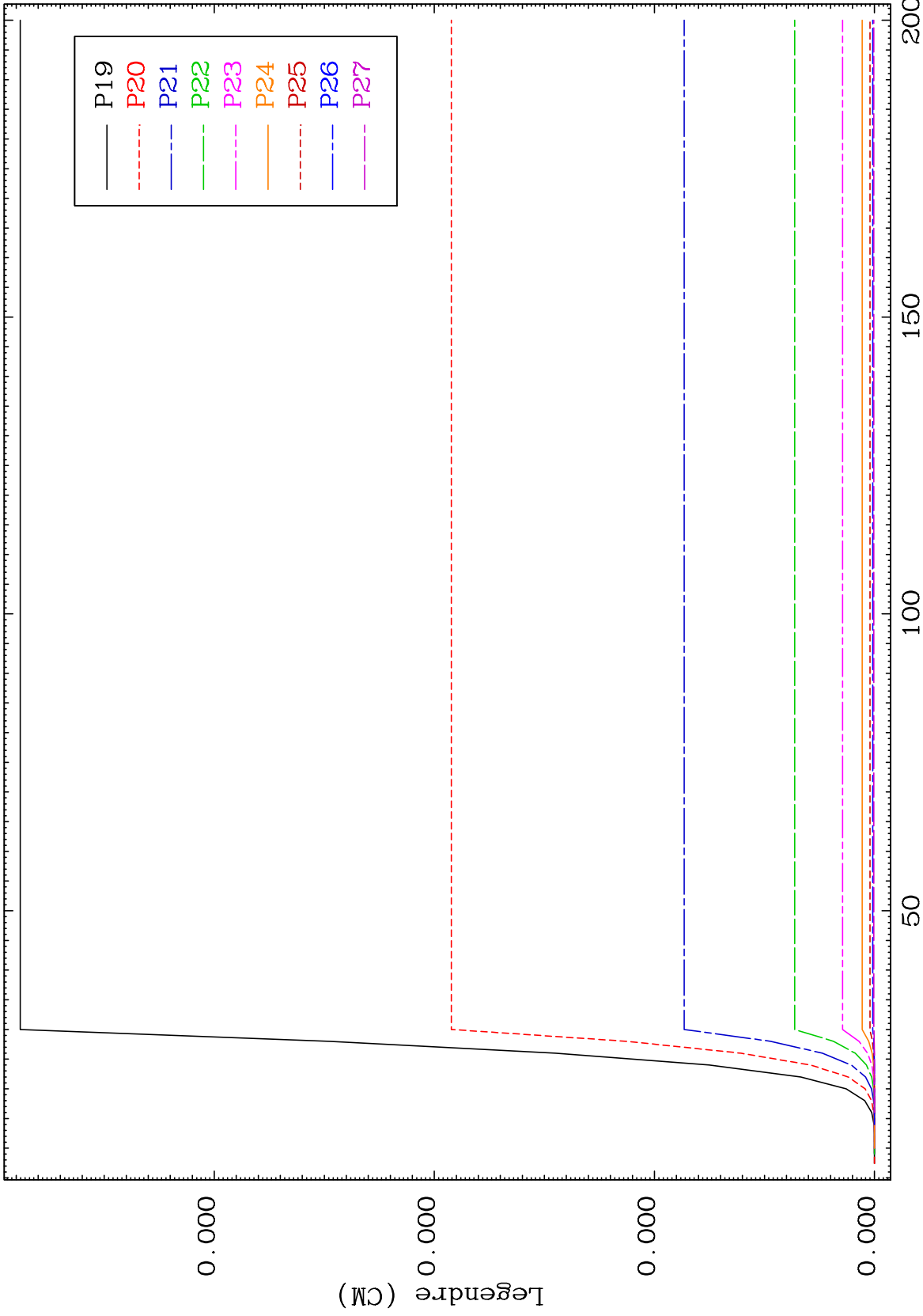
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



65

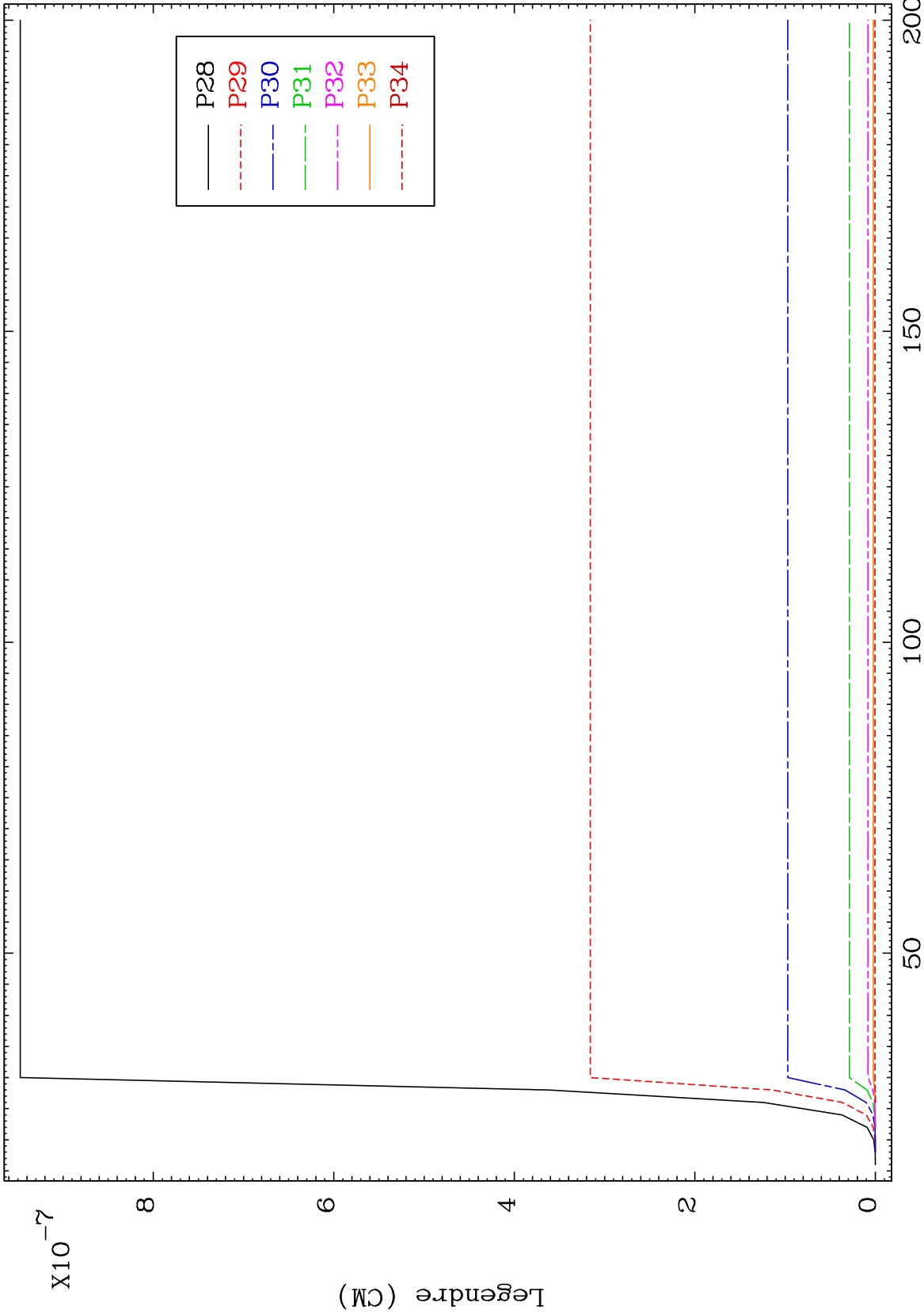
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99

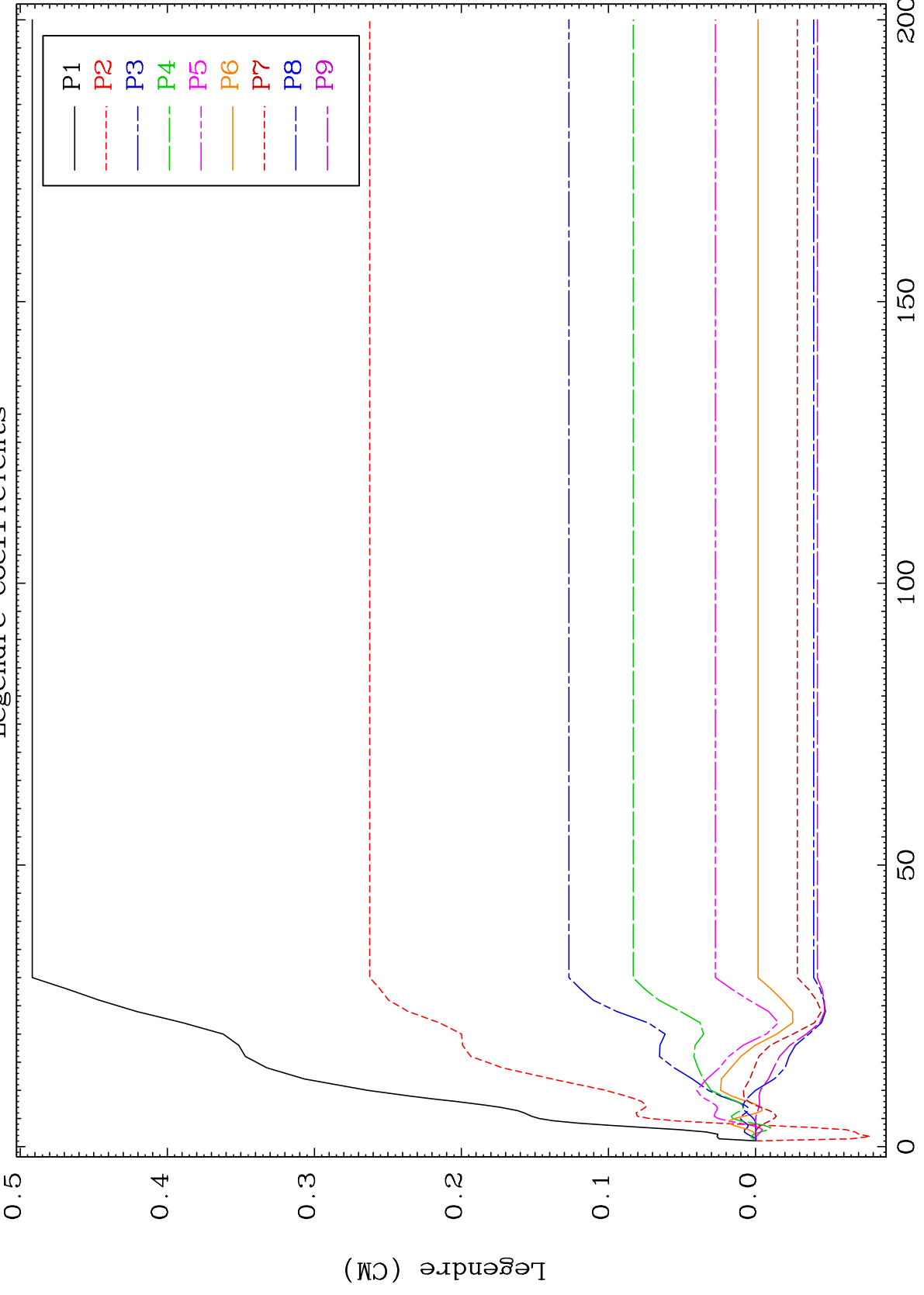


66

Incident Energy (MeV)

39-Y -99

MAT 3955 MT= 63 (n,n') Level Legendre Coefficients 39-Y -99

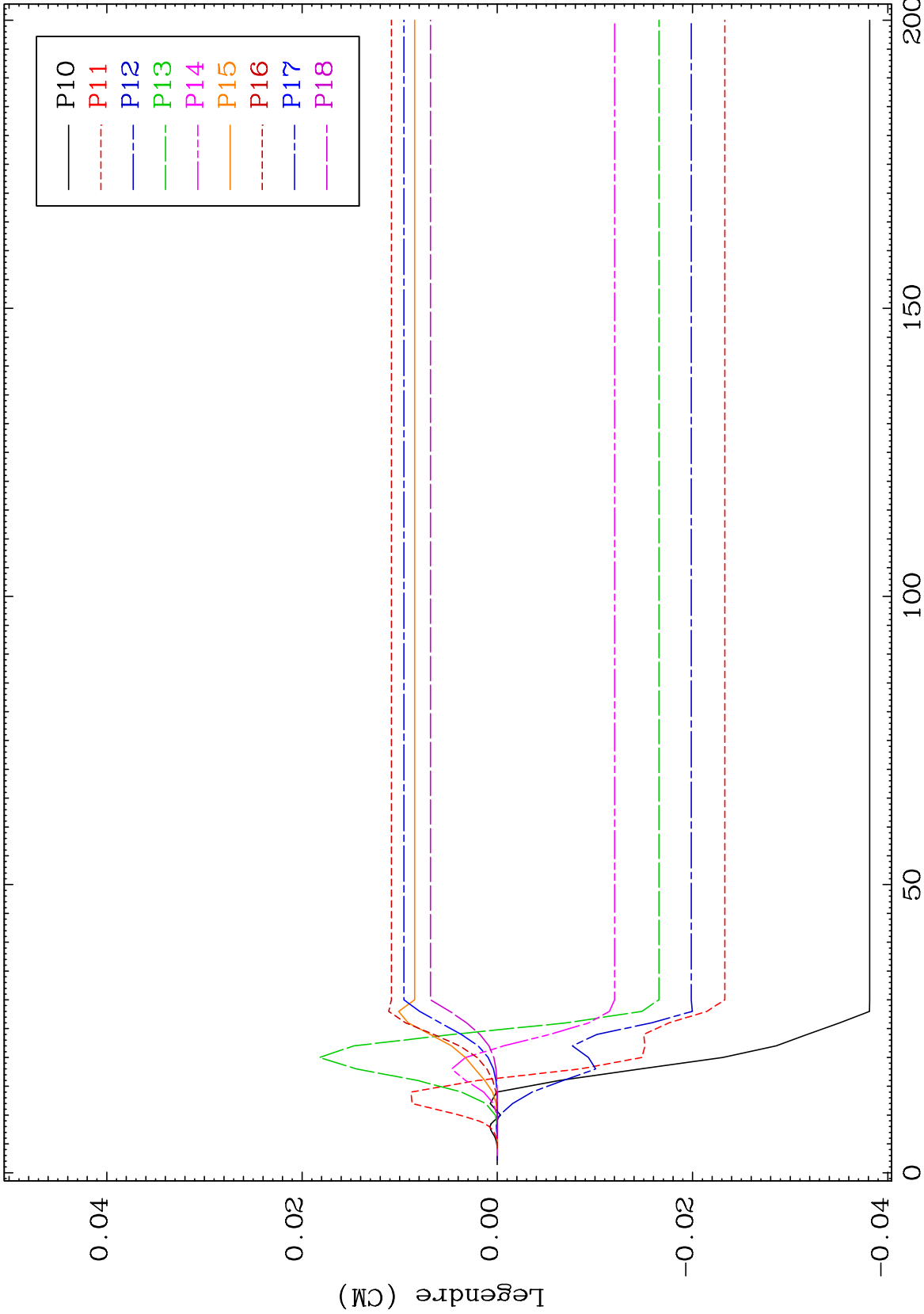


67 Incident Energy (MeV) 39-Y -99

MAT 3955

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

39-Y -99



68

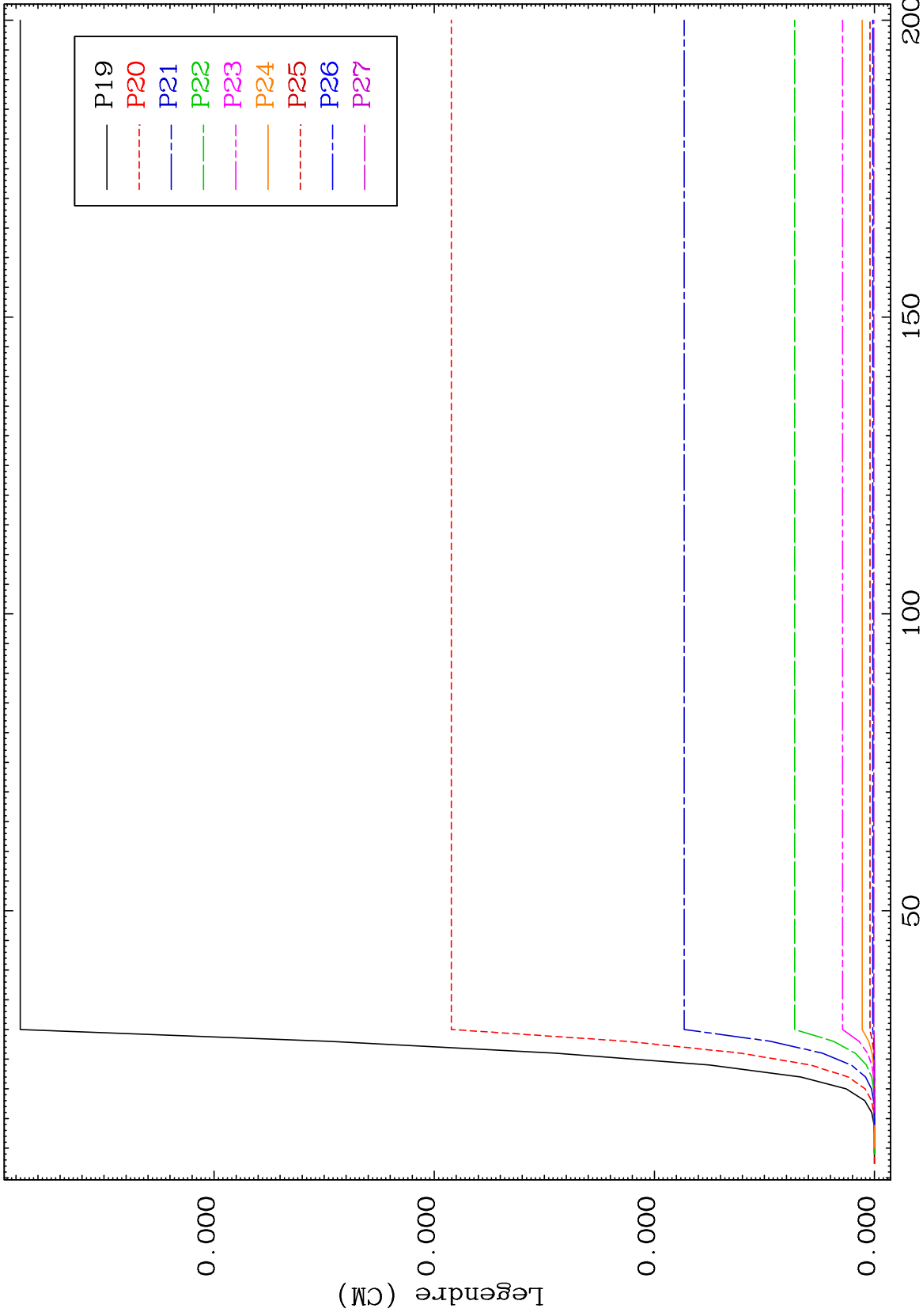
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



69

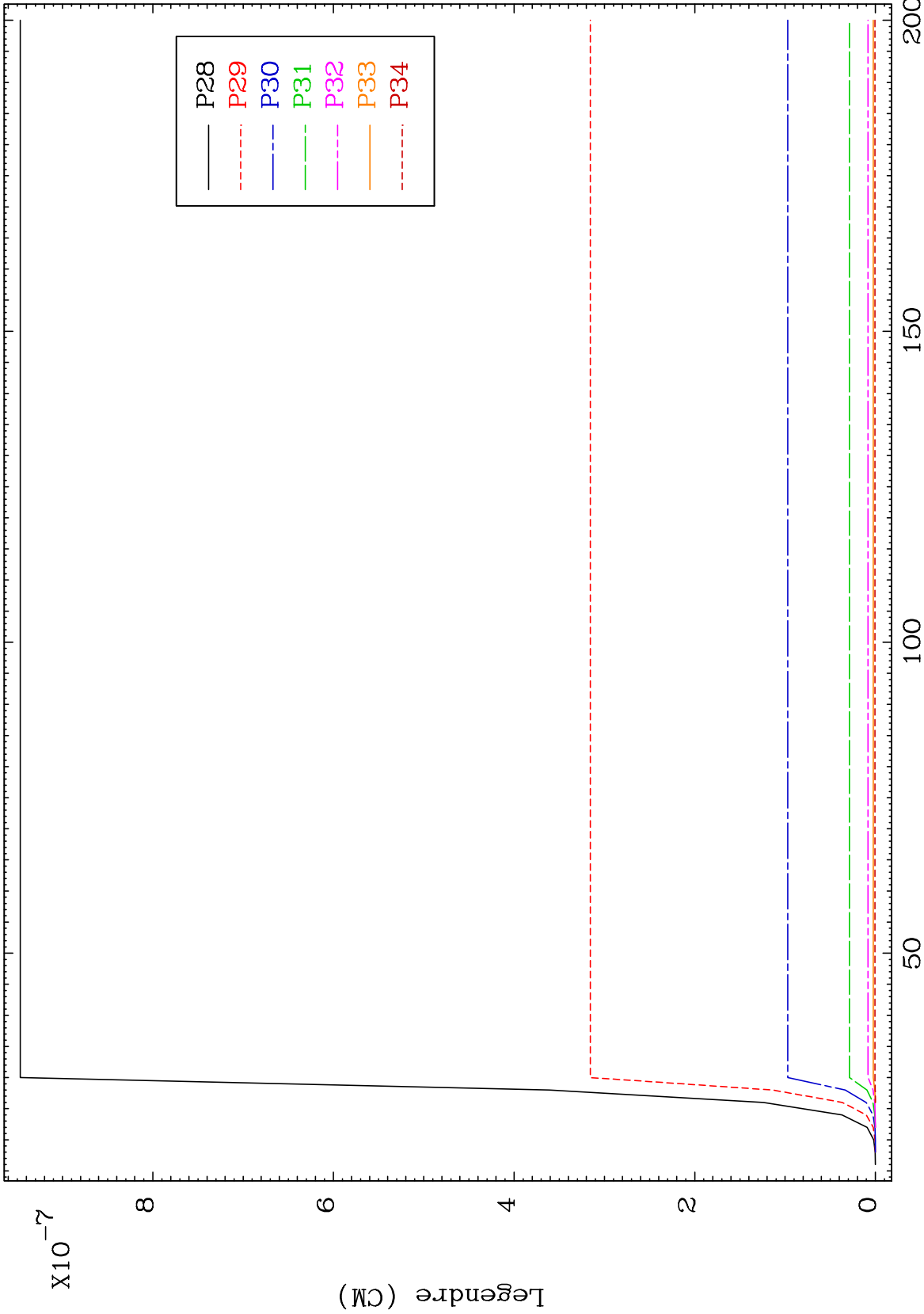
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99

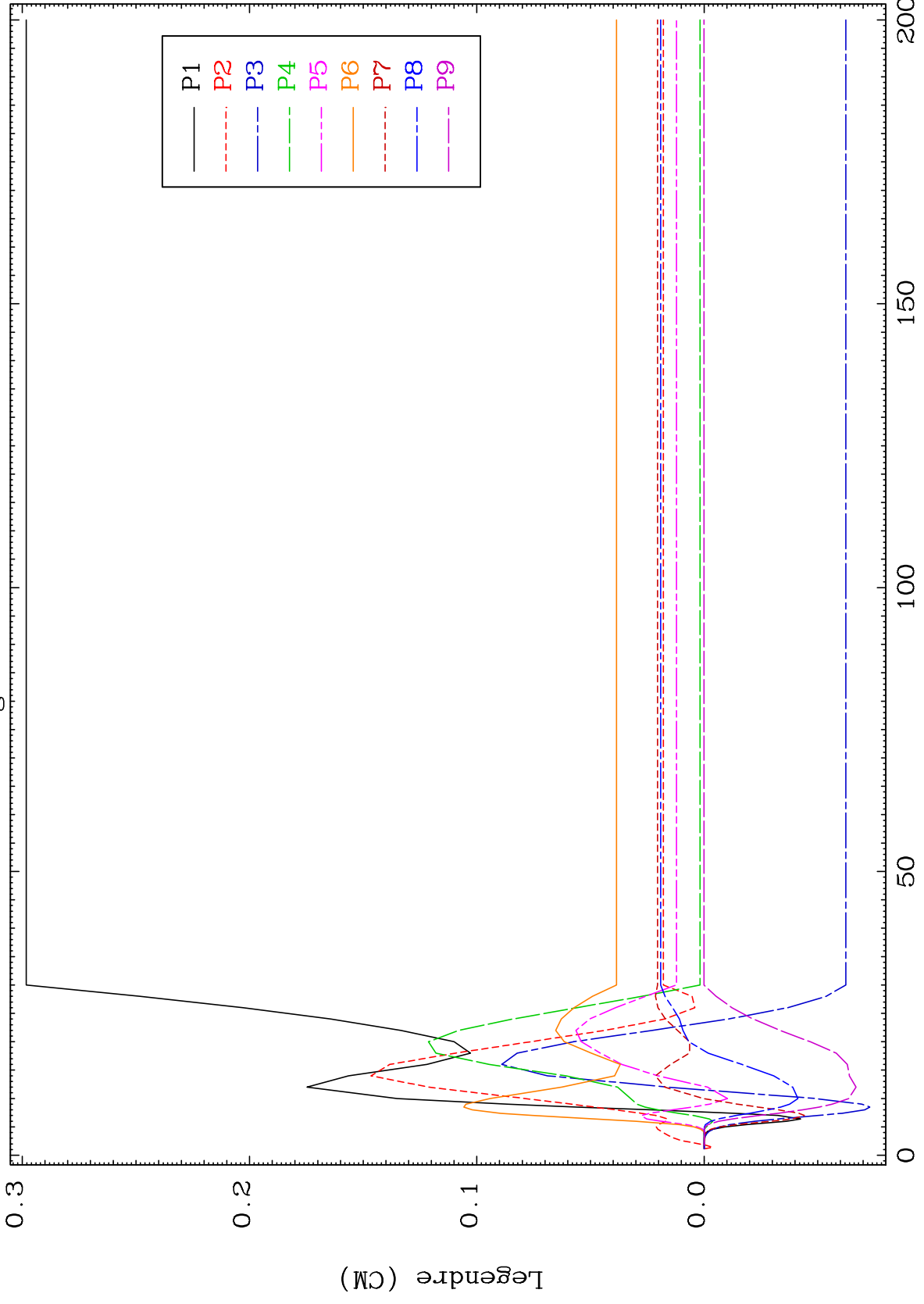


70

Incident Energy (MeV)

39-Y -99

MAT 3955 MT= 64 (n,n') Level Legendre Coefficients 39-Y -99

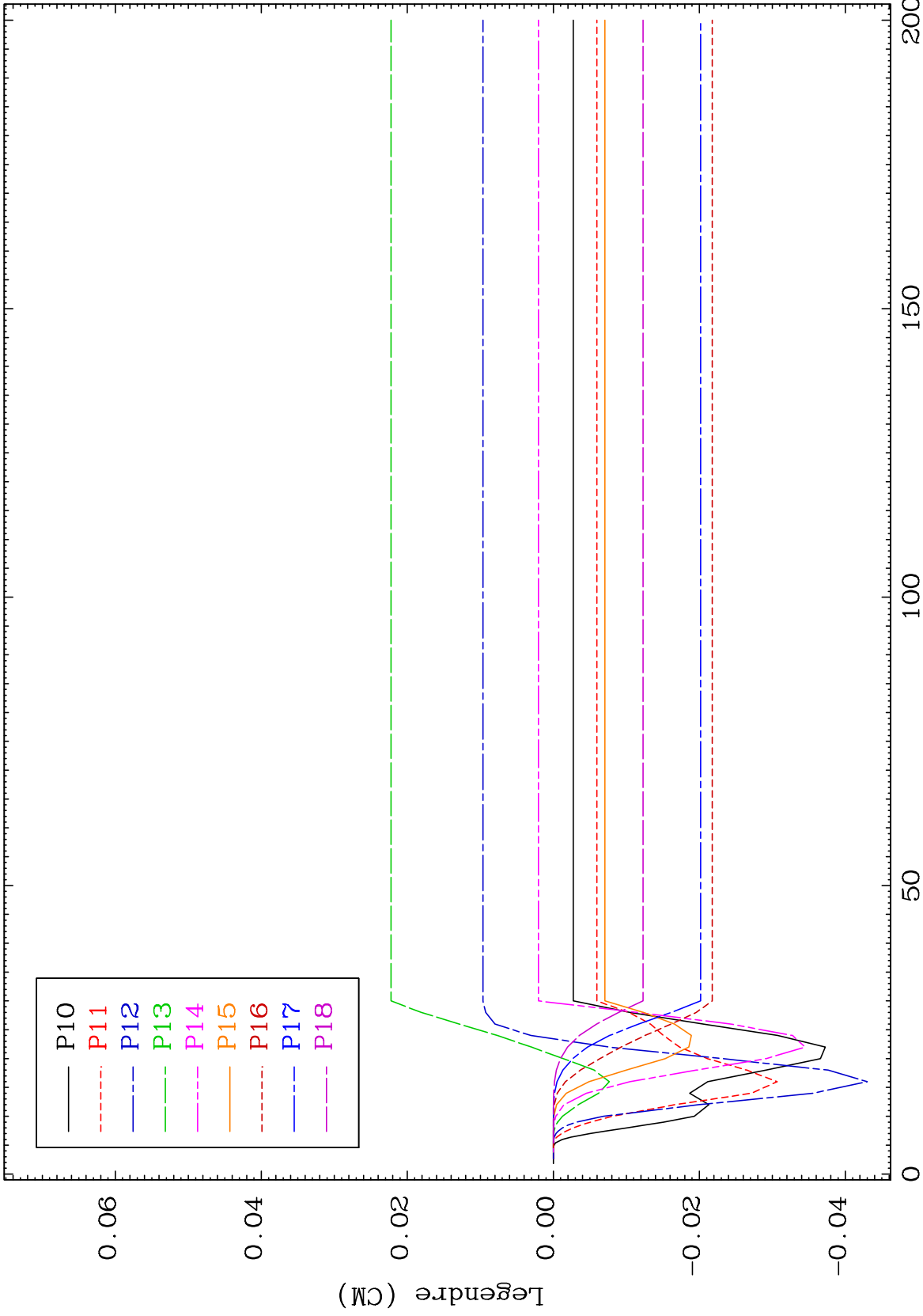


71 39-Y -99

MAT 3955

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

39-Y -99

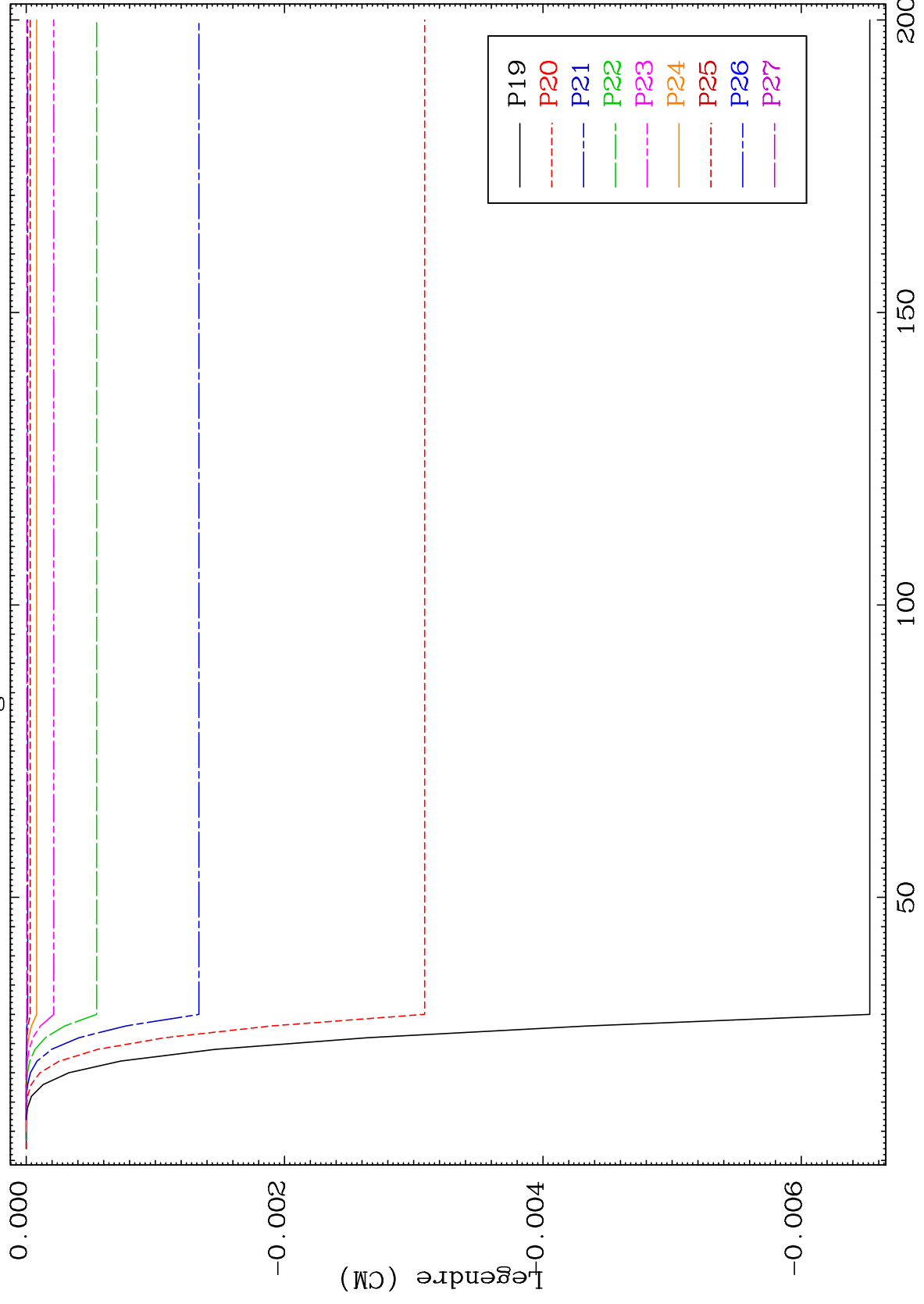


72

Incident Energy (MeV)

39-Y -99

MAT 3955 MT= 64 (n,n') Level Legendre Coefficients 39-Y -99

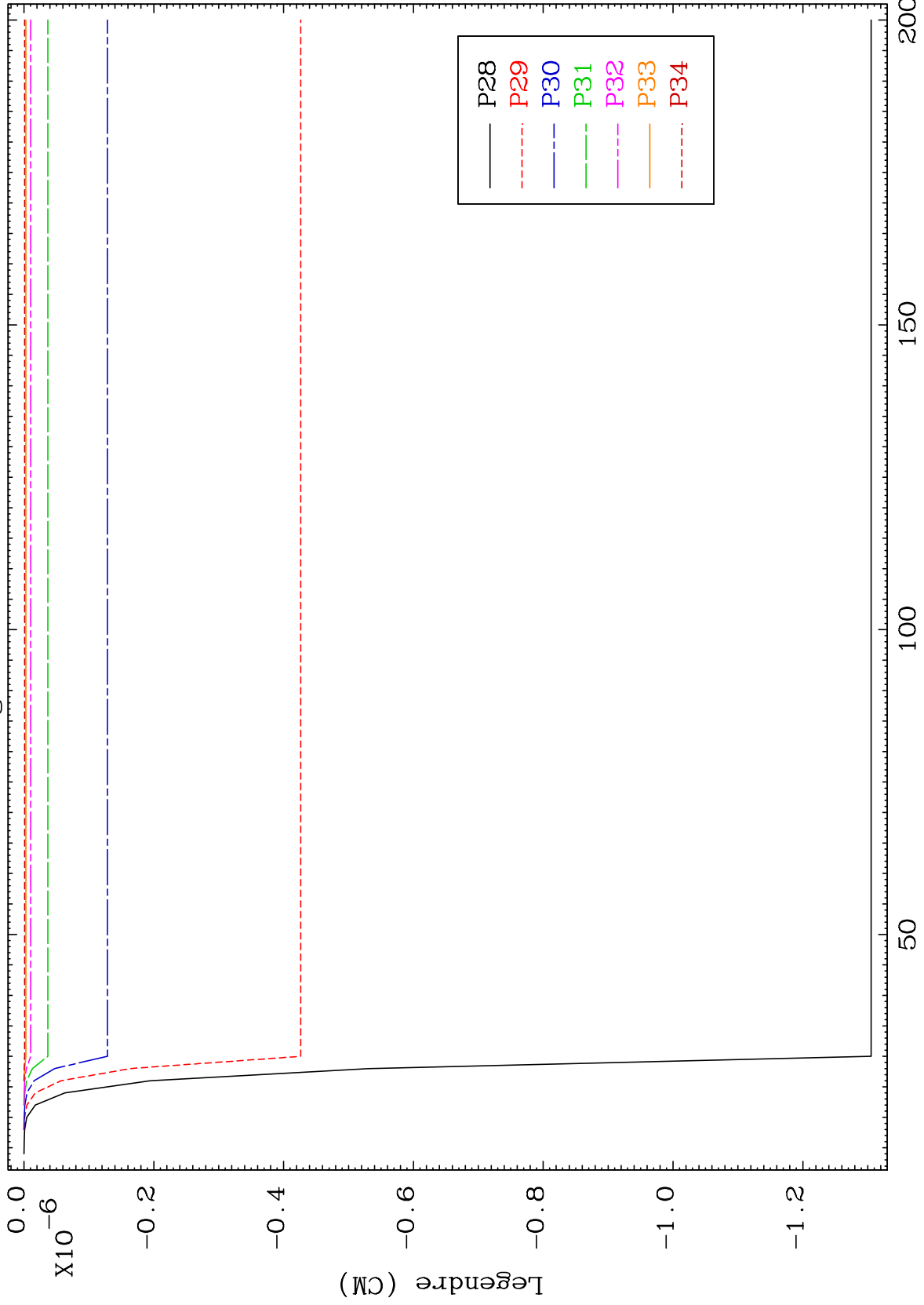


73 Incident Energy (MeV) 39-Y -99

MAT 3955

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

39-Y -99

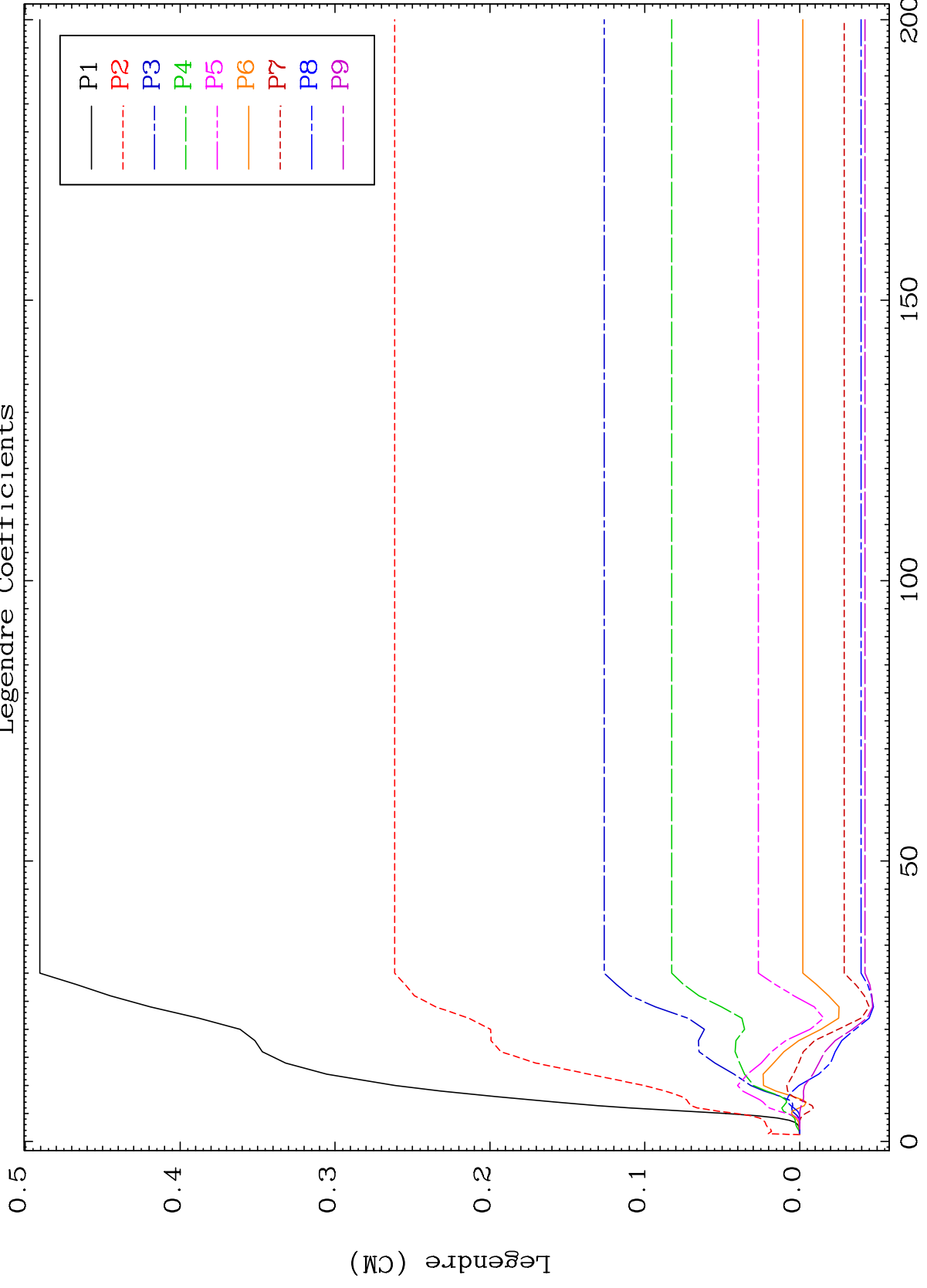


39-Y -99

Incident Energy (MeV)

74

MAT 3955 MT= 65 (n,n') Level Legendre Coefficients 39-Y -99

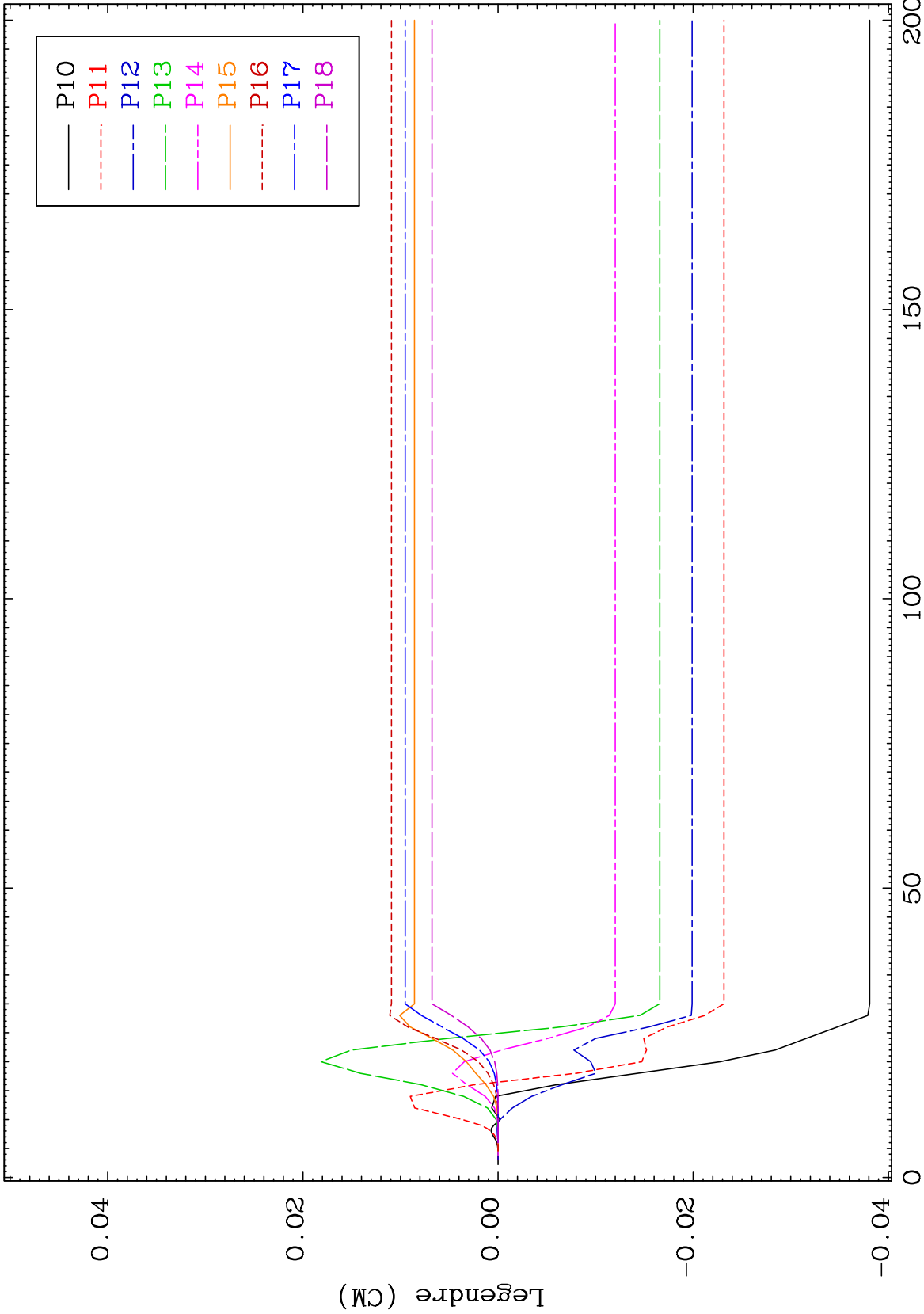


75 100 150 200 39-Y -99

MAT 3955

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

39-Y -99



76

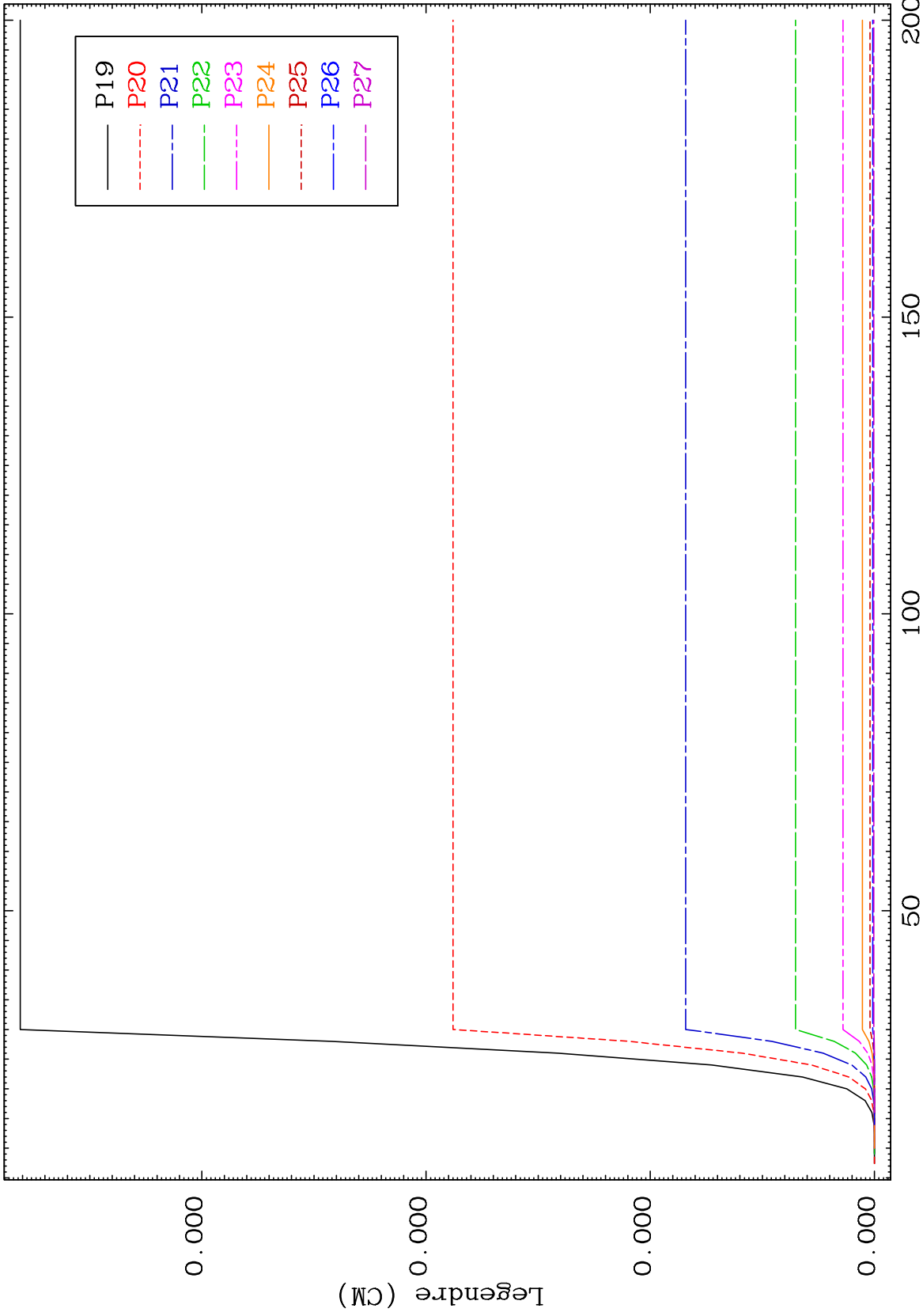
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



77

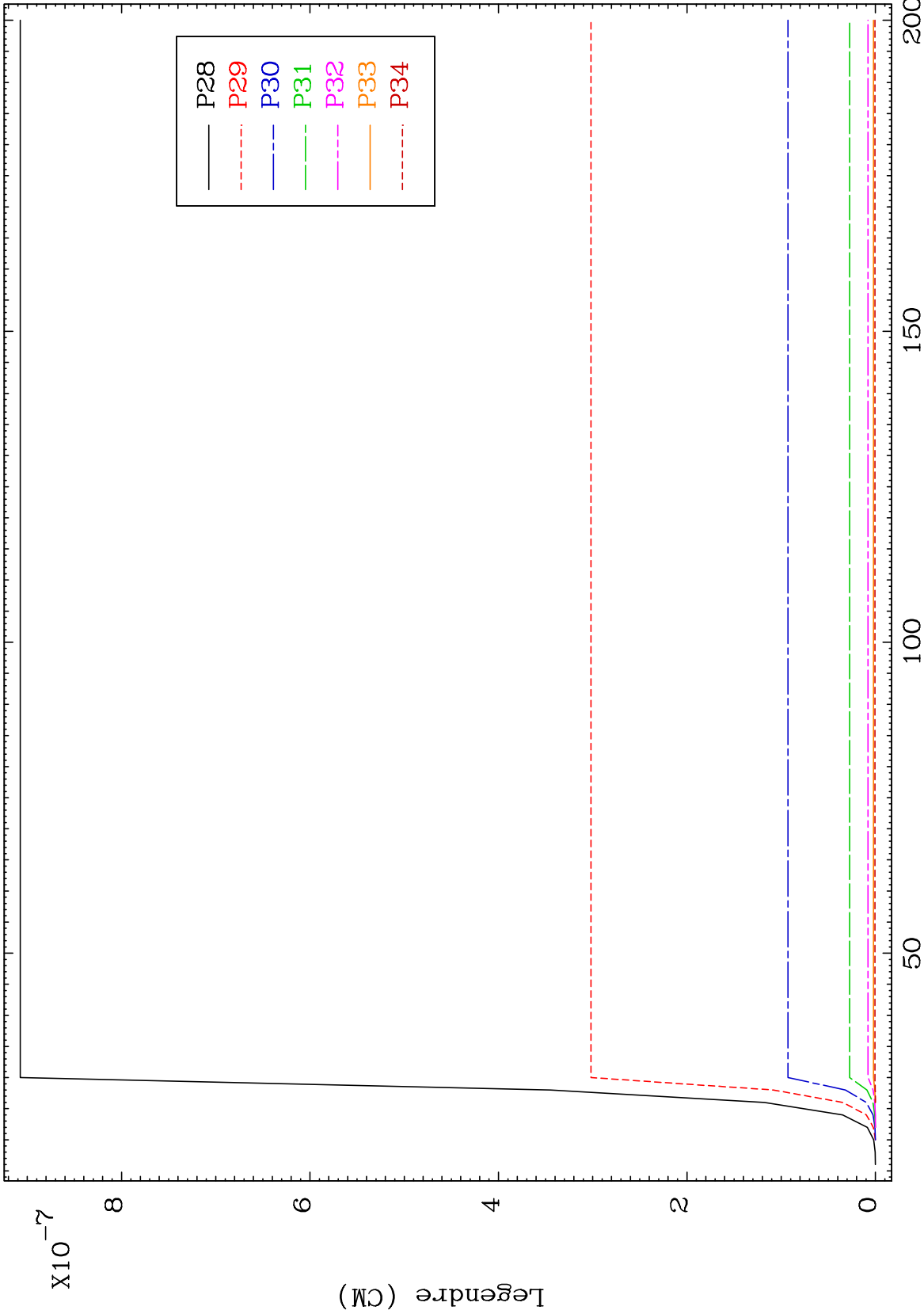
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99

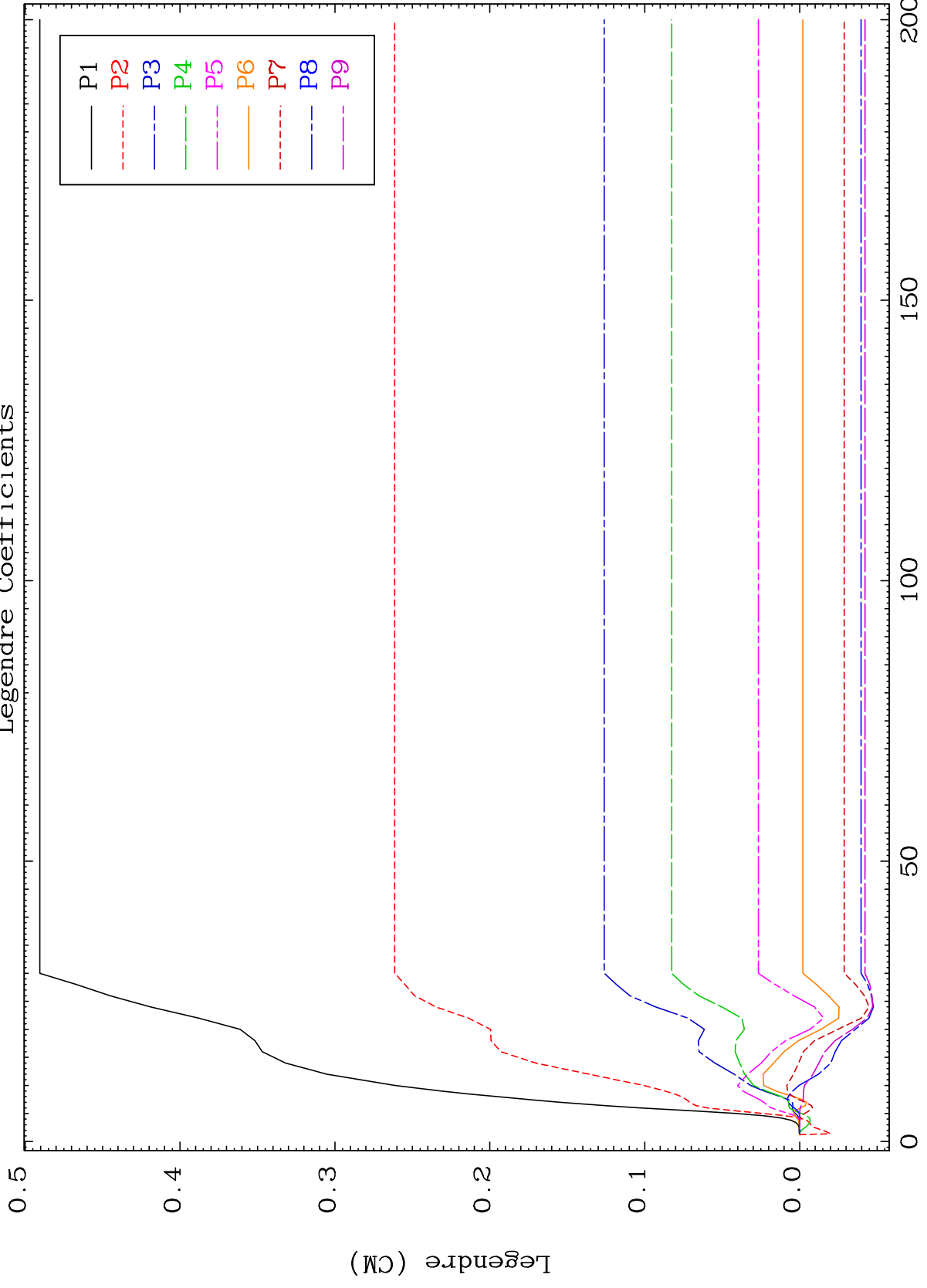


78

Incident Energy (MeV)

39-Y -99

MAT 3955 MT= 66 (n,n') Level Legendre Coefficients 39-Y -99

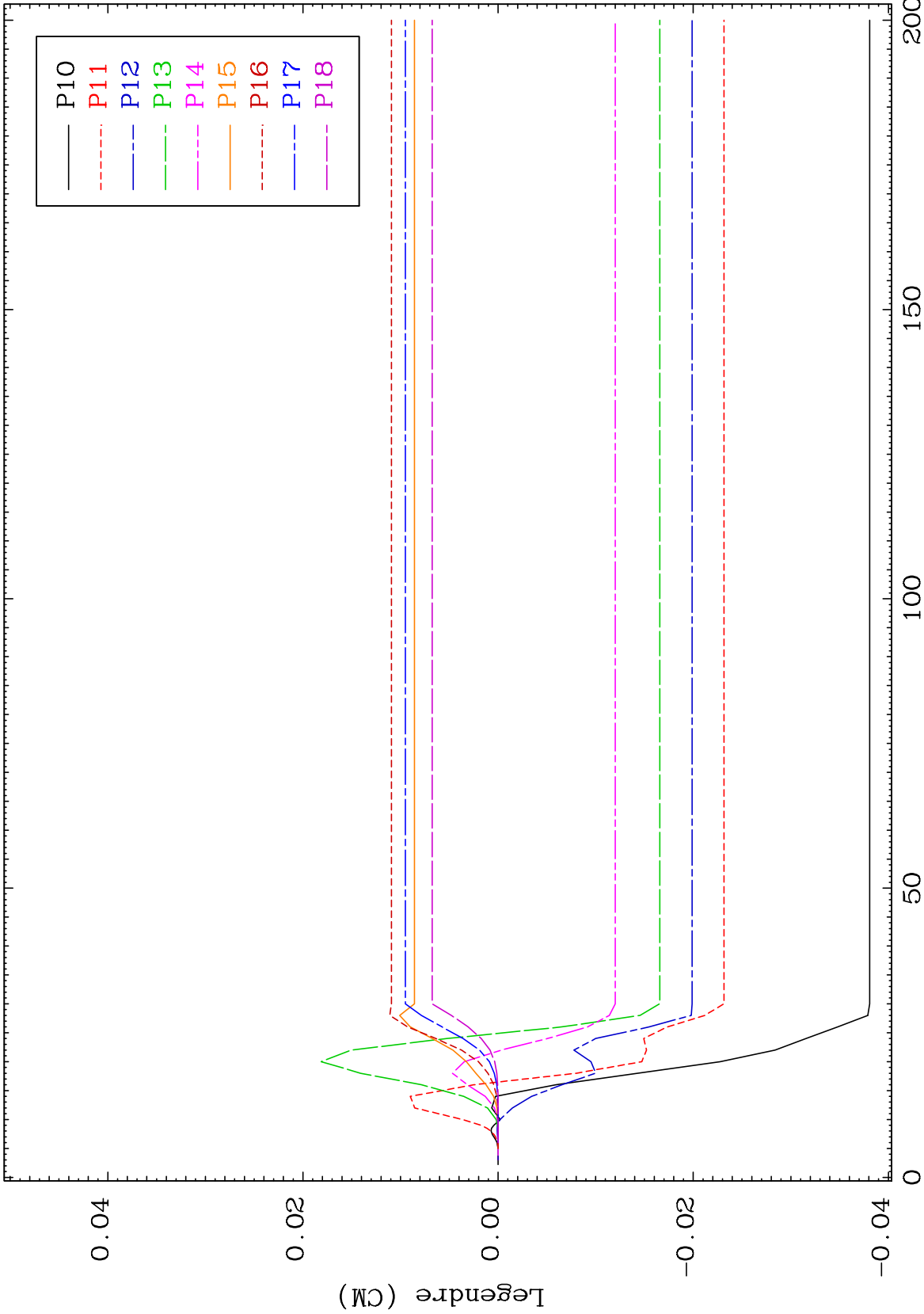


79 39-Y -99

MAT 3955

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

39-Y -99



80

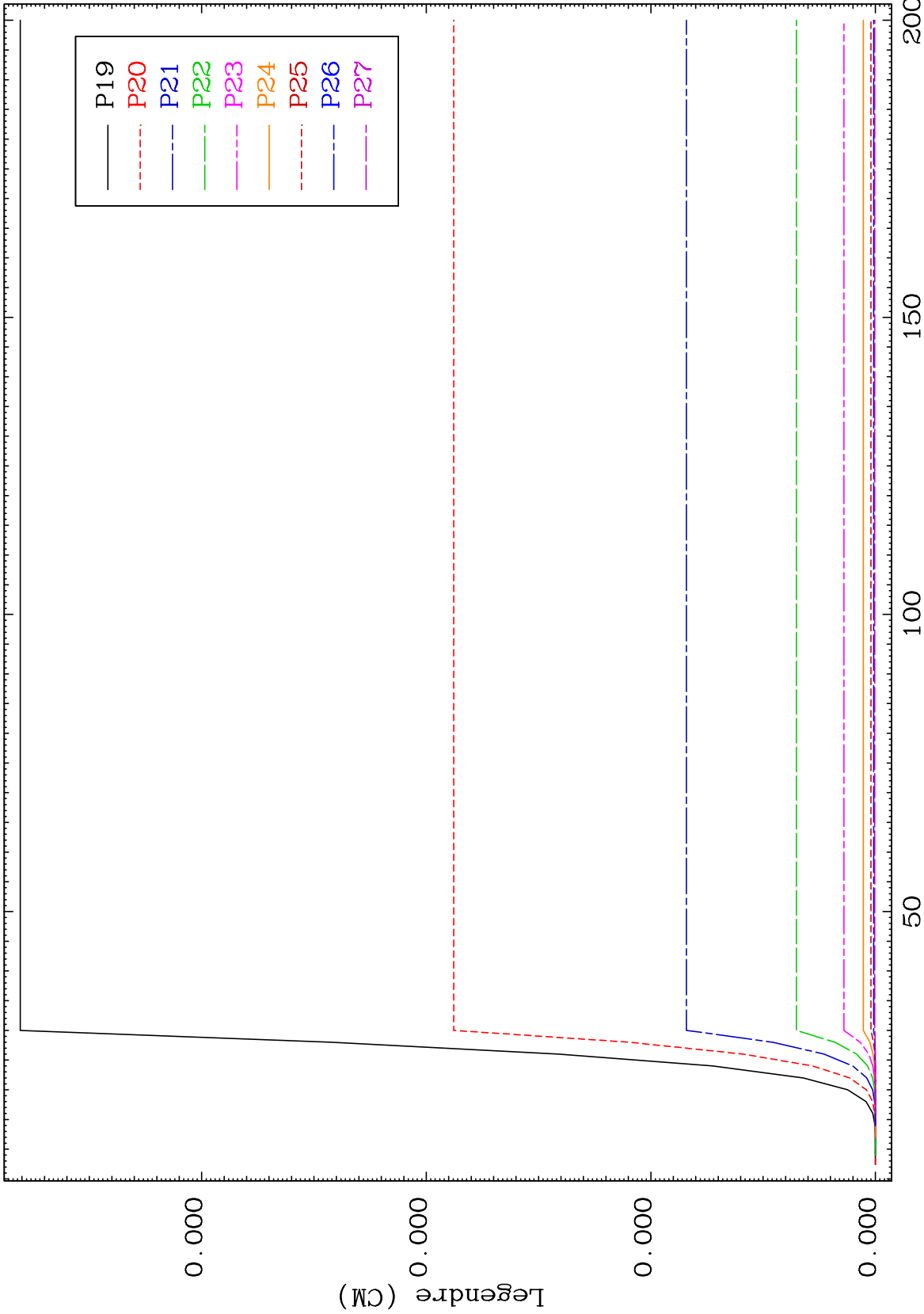
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



81

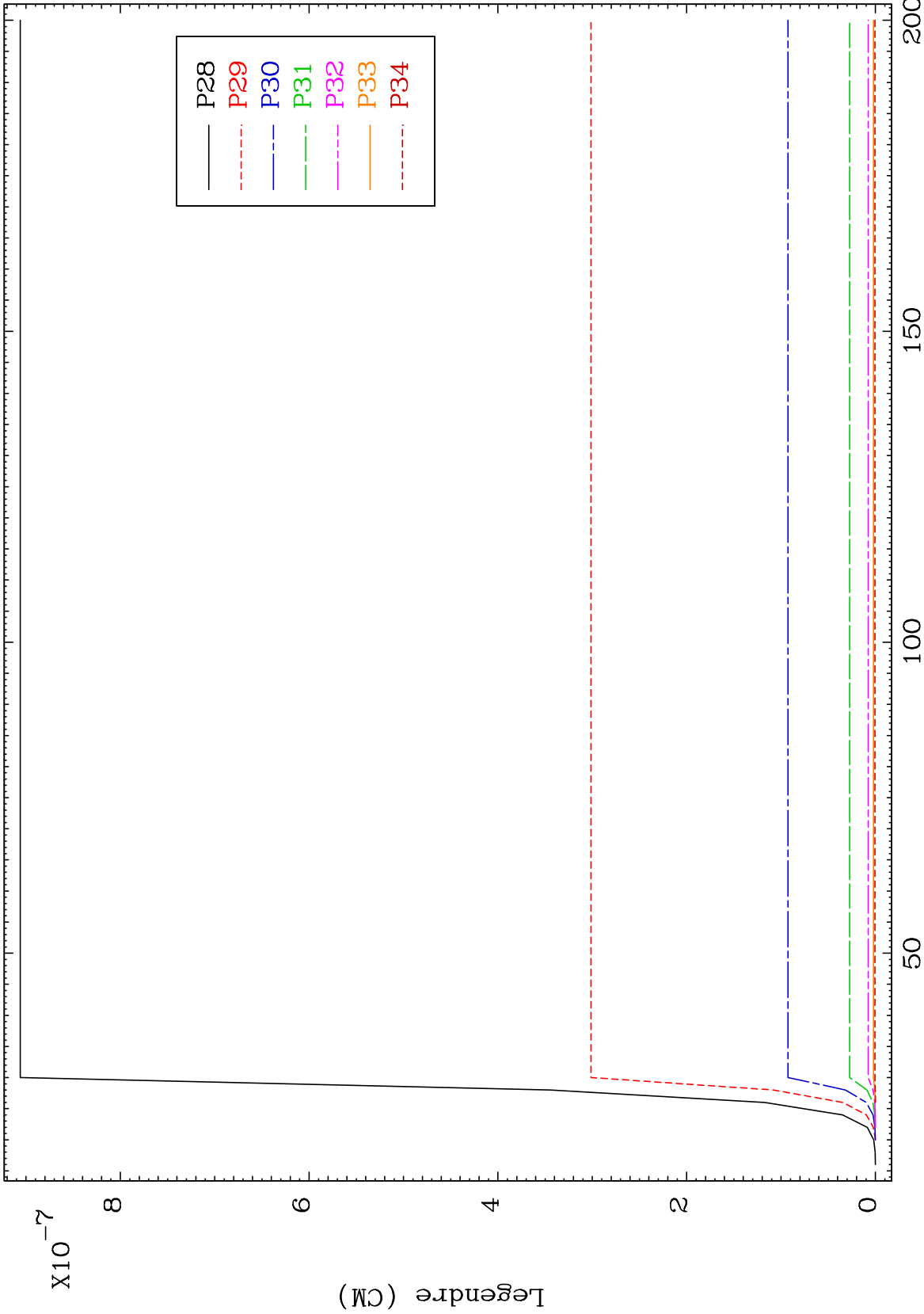
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



82

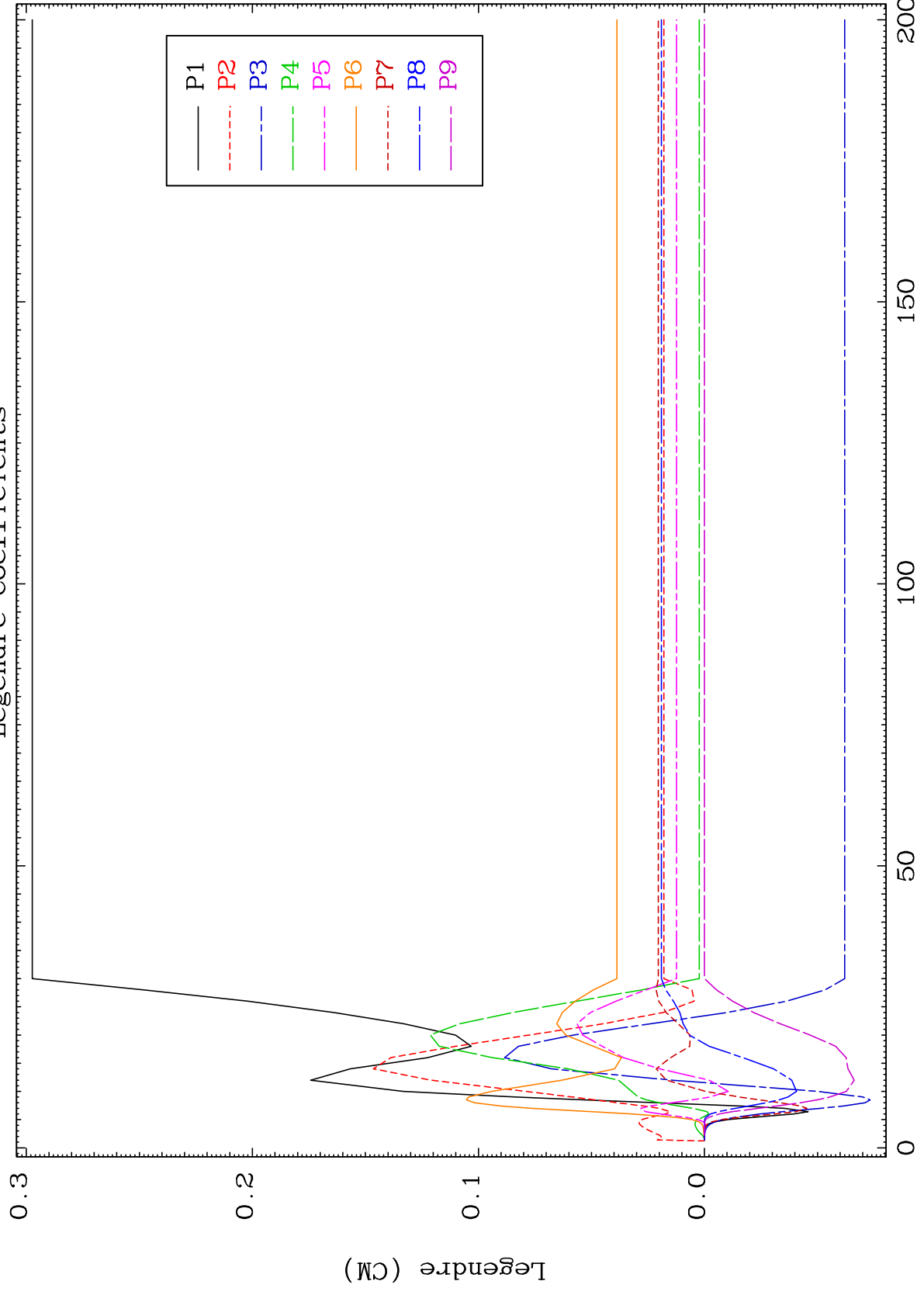
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



83

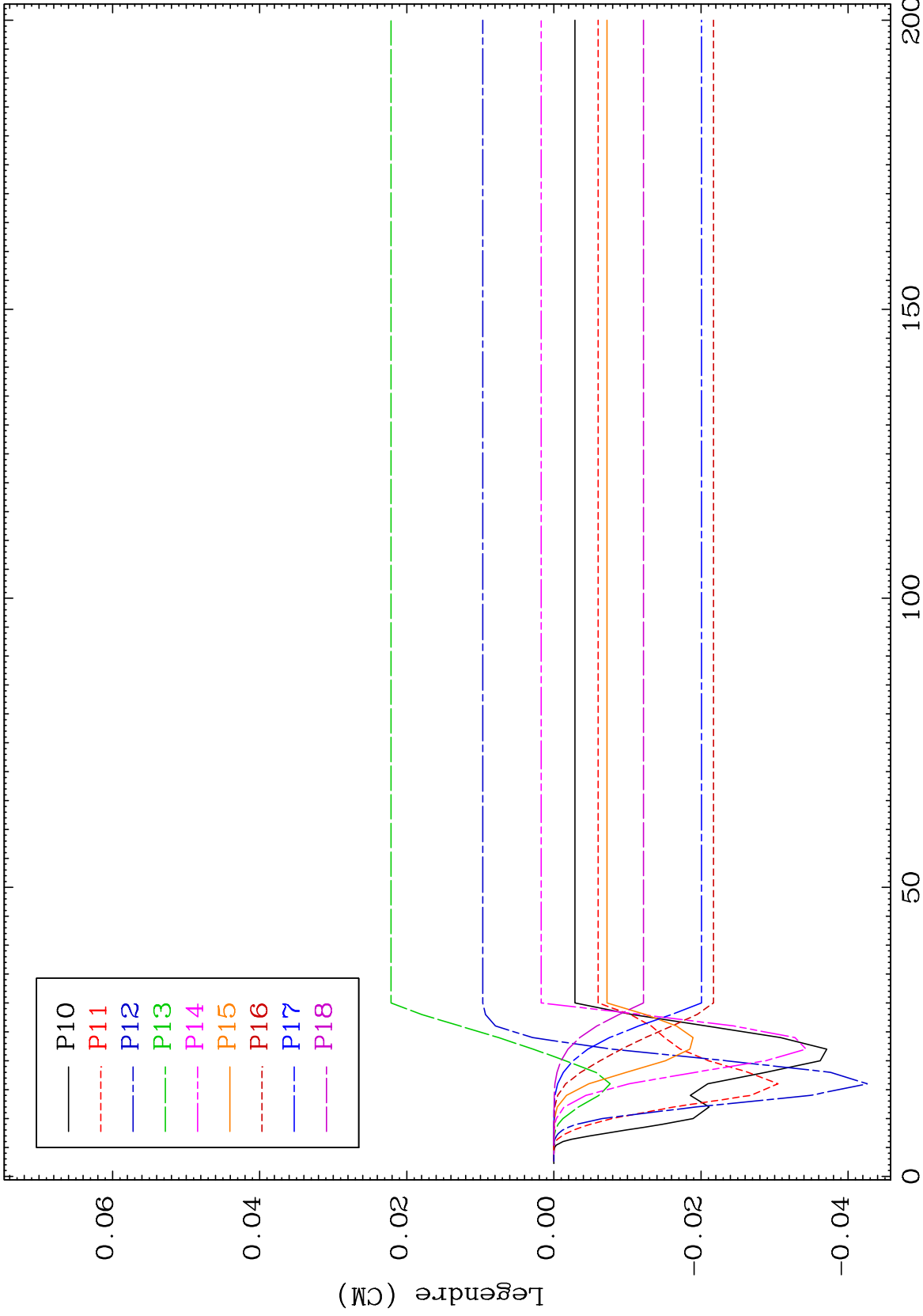
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99

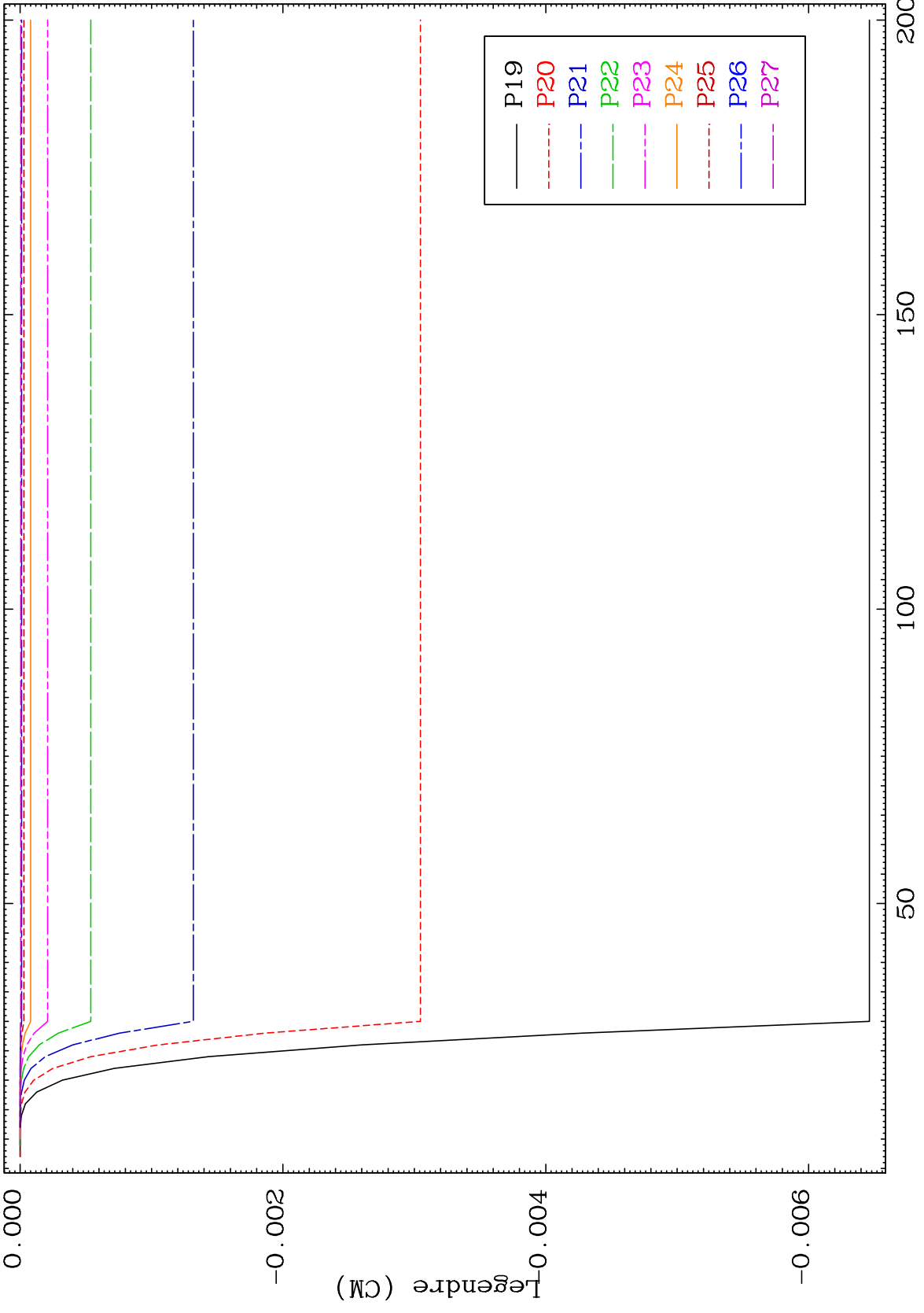


84

Incident Energy (MeV)

39-Y -99

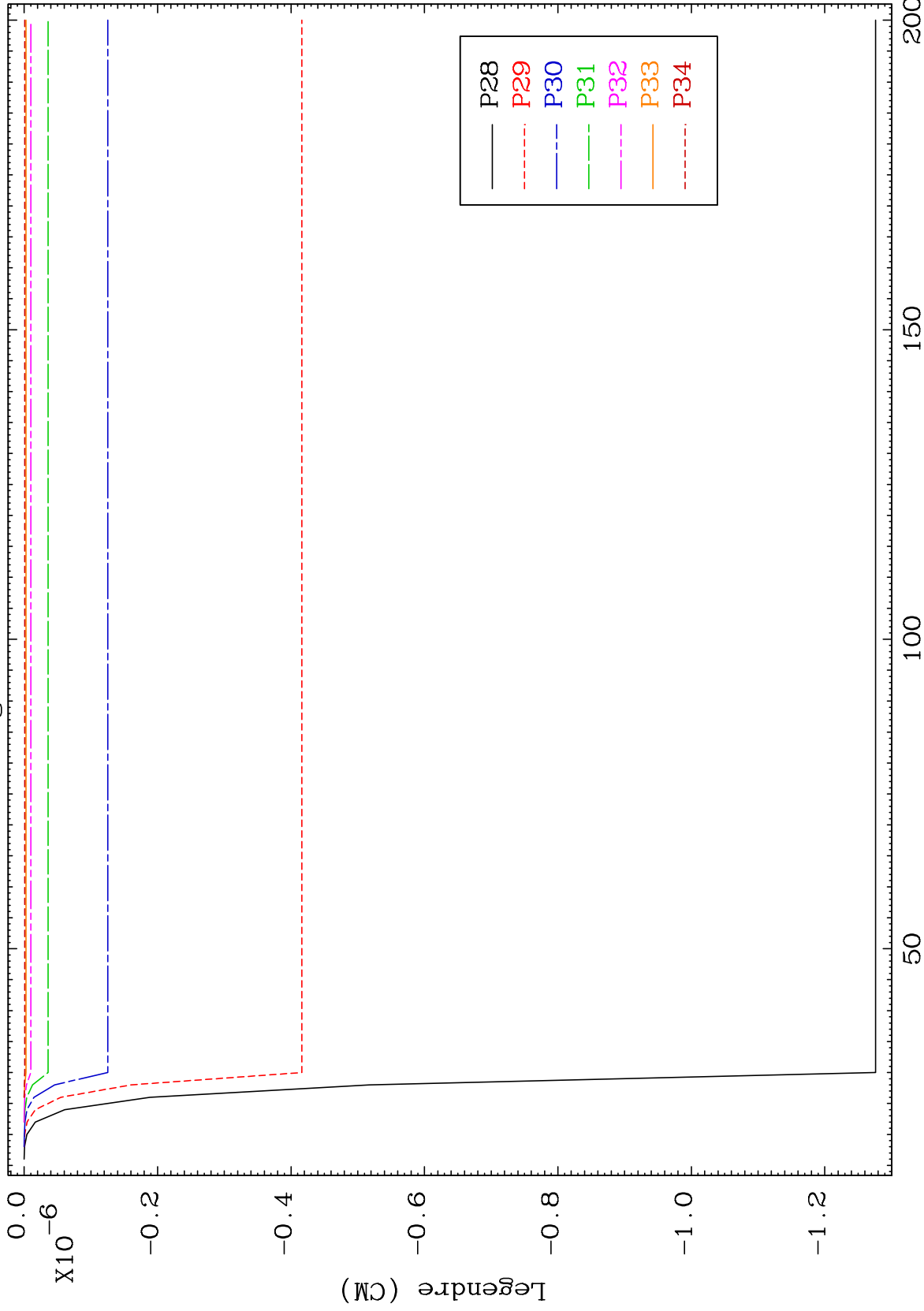
MAT 3955 MT= 67 (n,n') Level Legendre Coefficients 39-Y -99



MAT 3955

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

39-Y -99



86

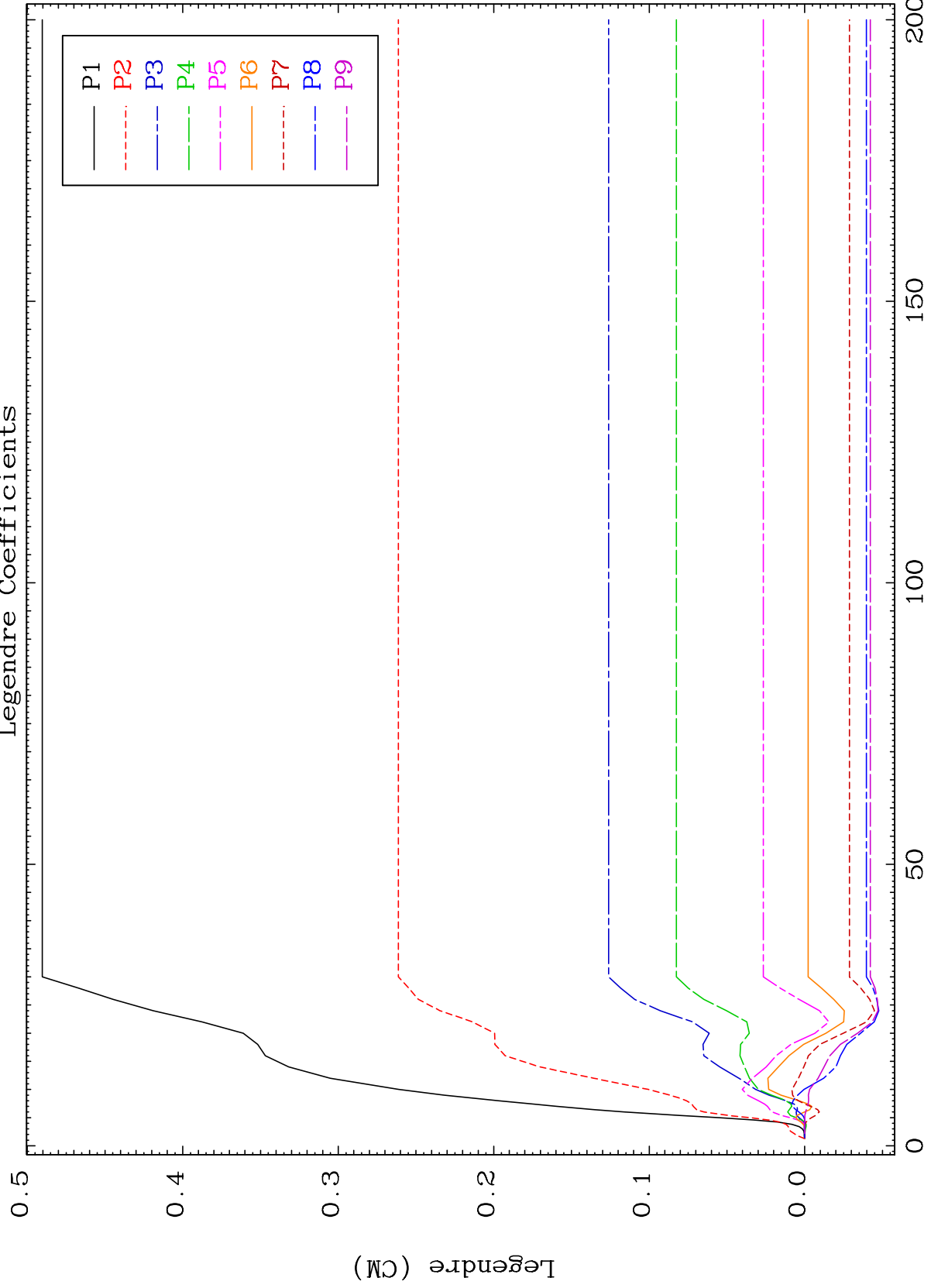
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



87

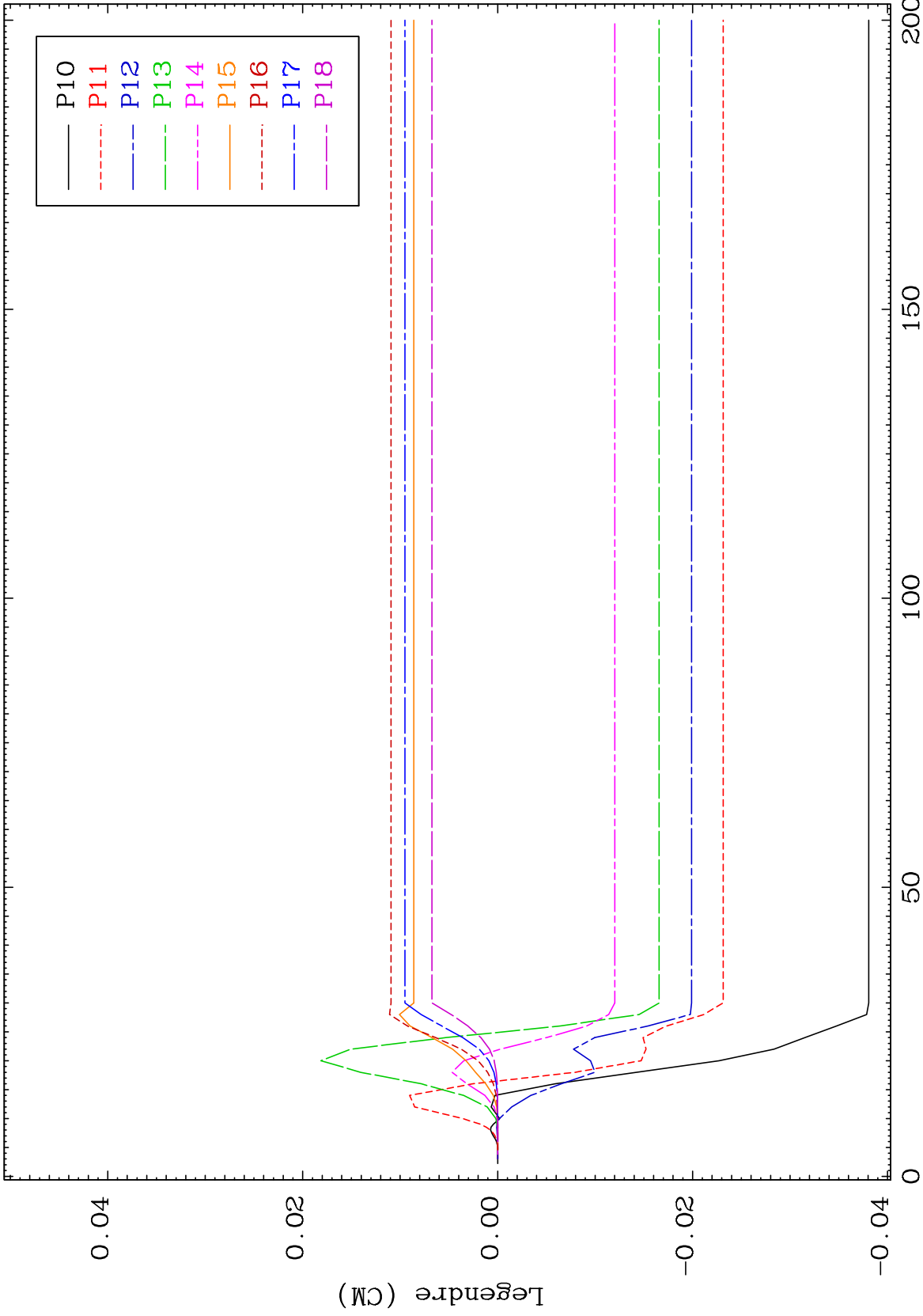
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



88

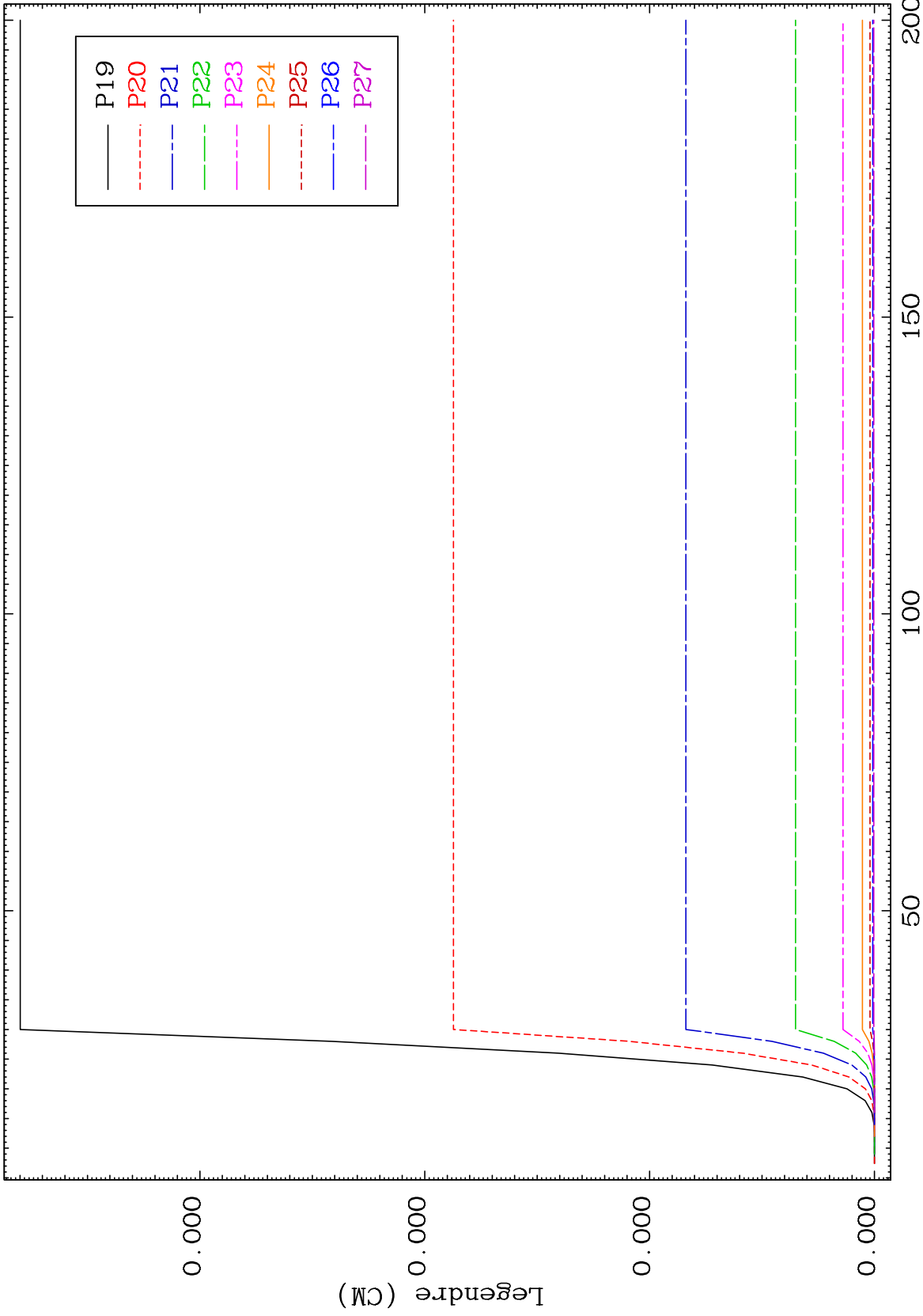
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



89

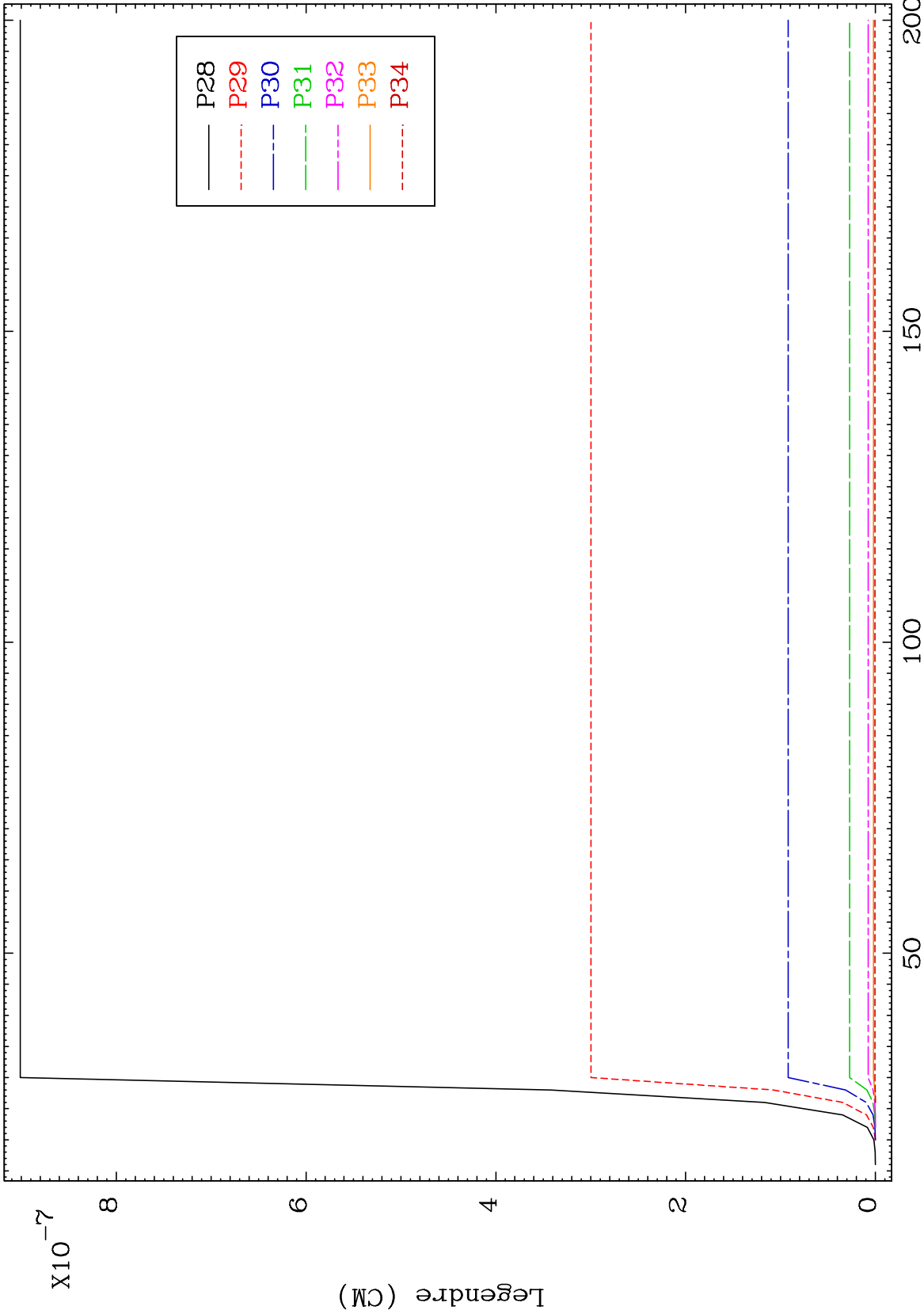
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



90

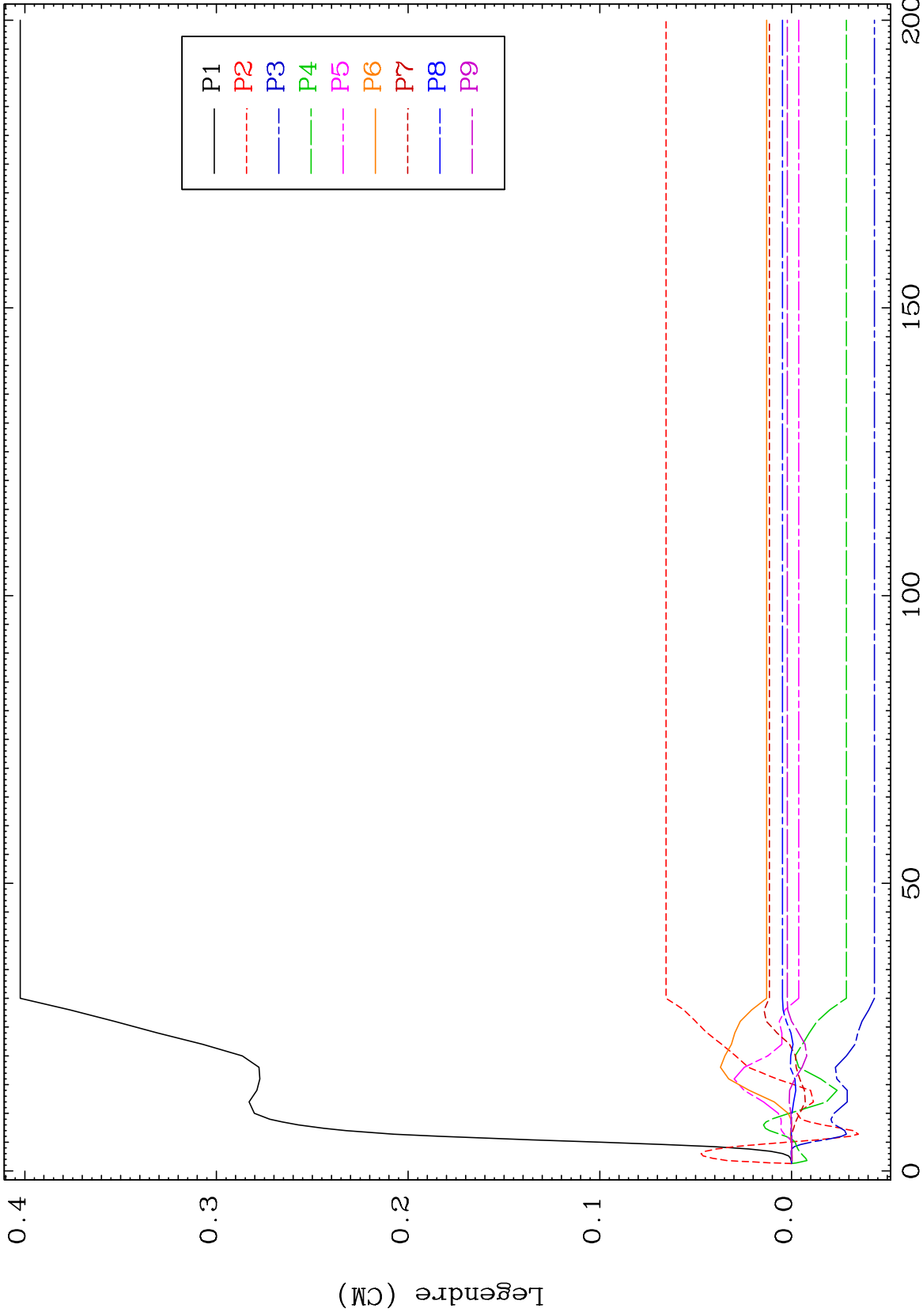
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



91

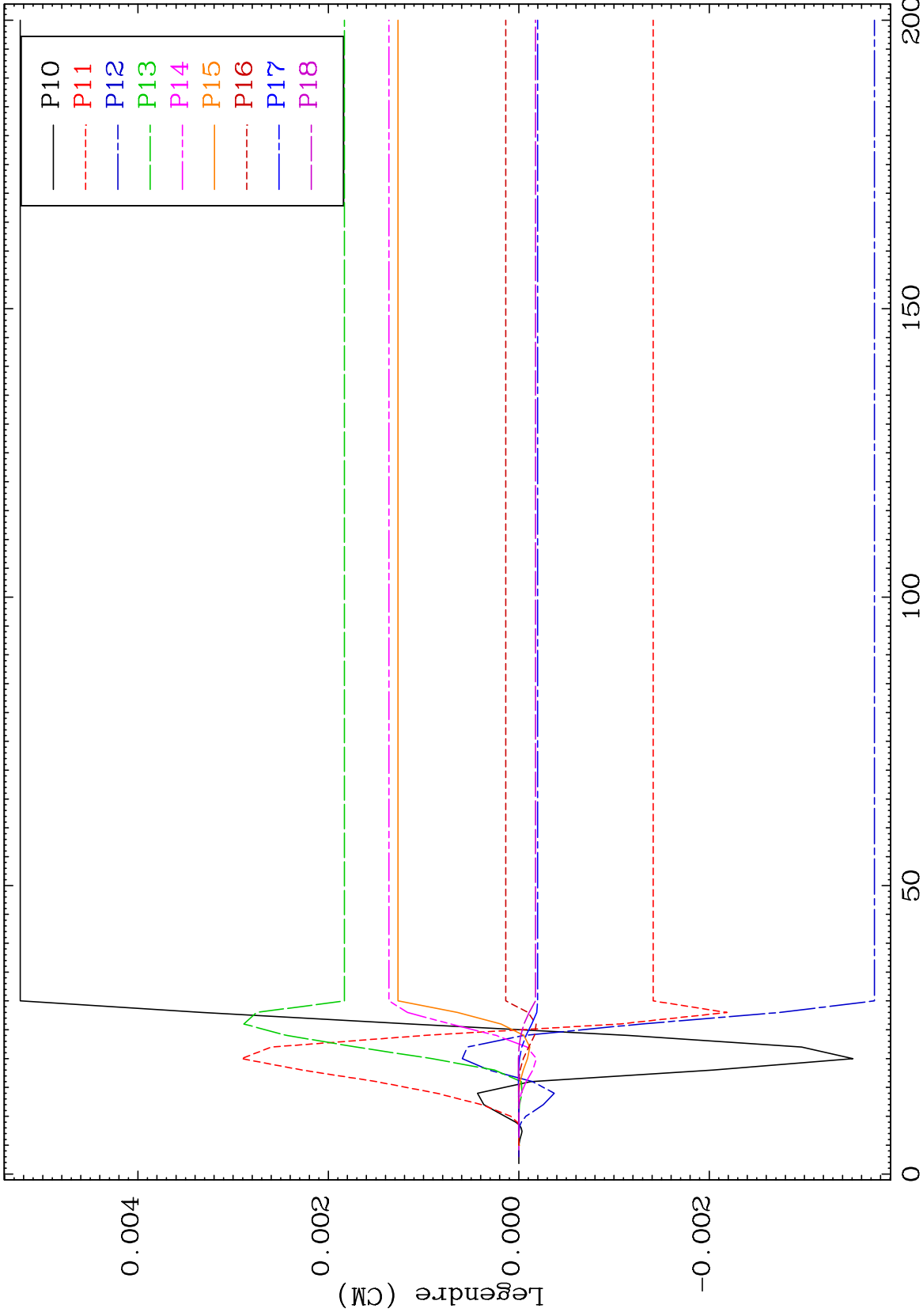
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



92

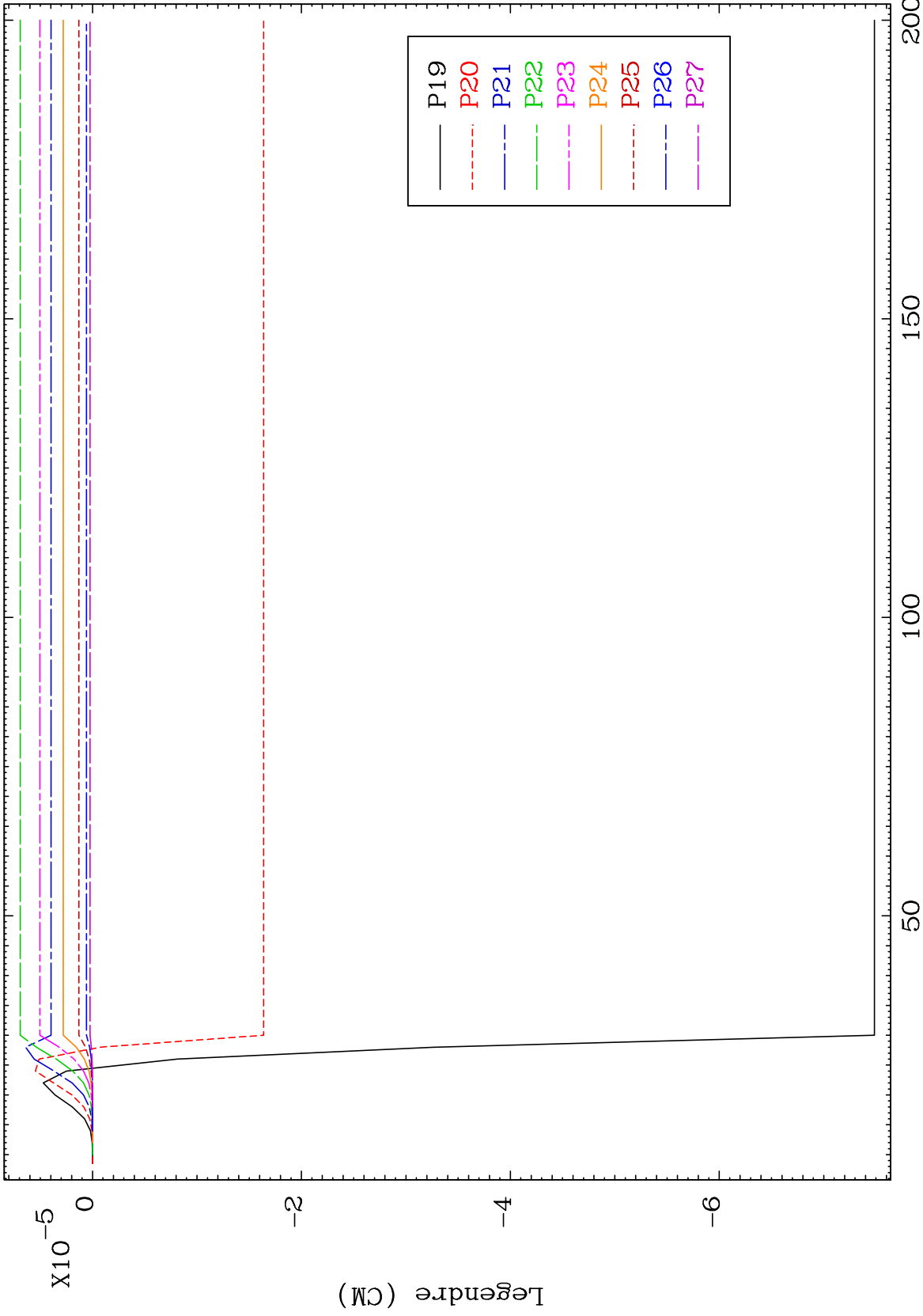
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



39-Y -99

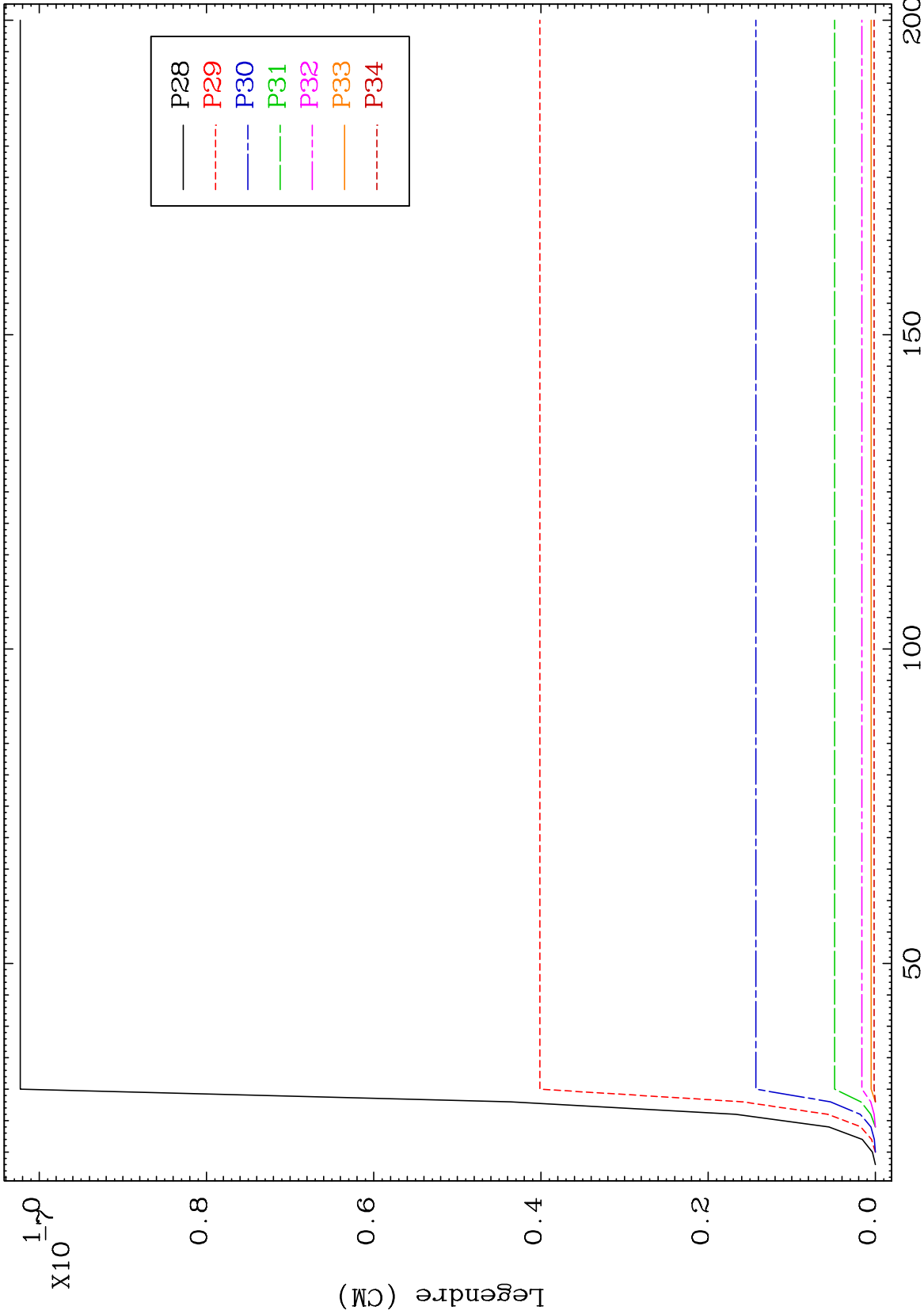
Incident Energy (MeV)

93

MAT 3955

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

39-Y -99



94

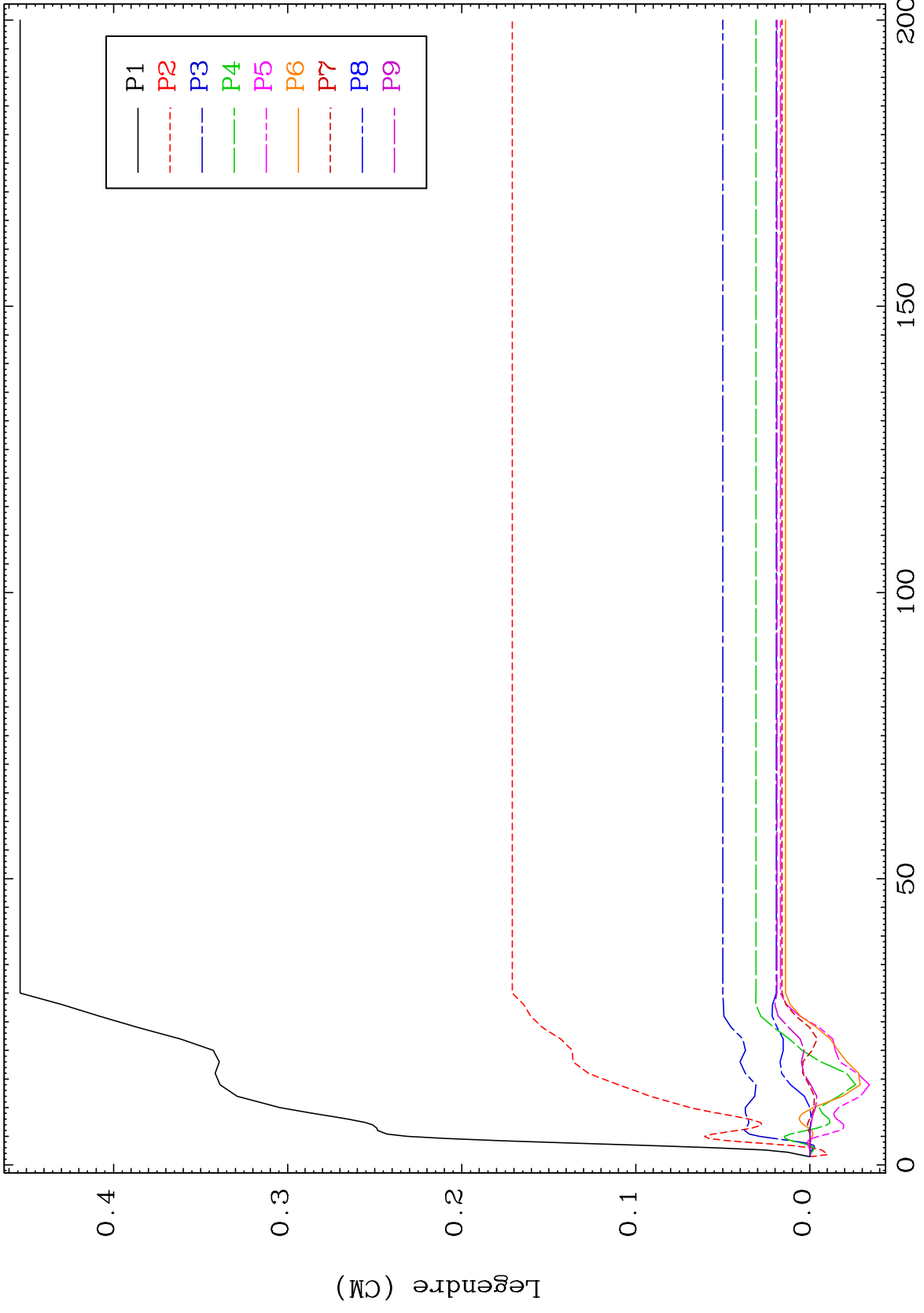
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



95

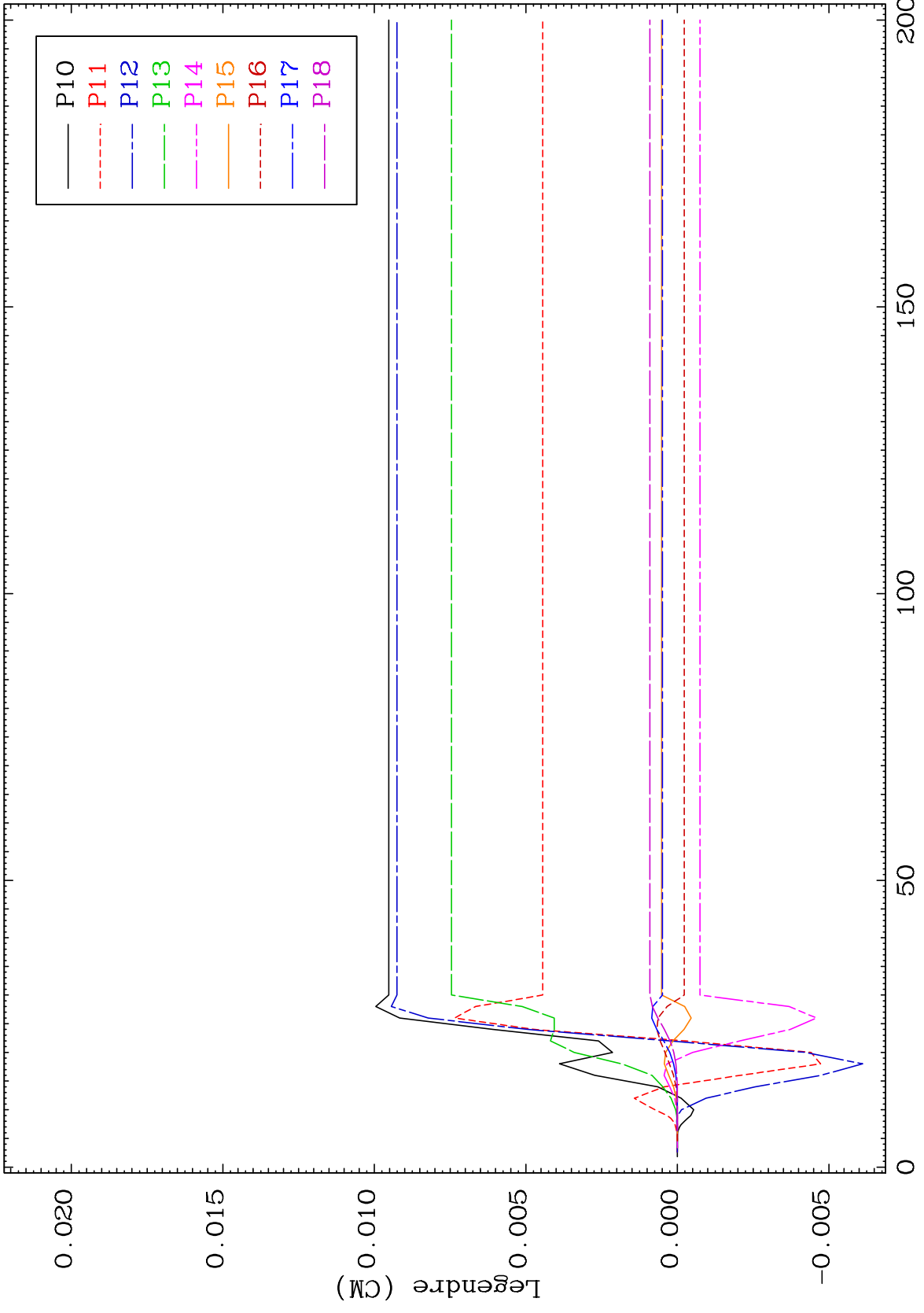
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



96

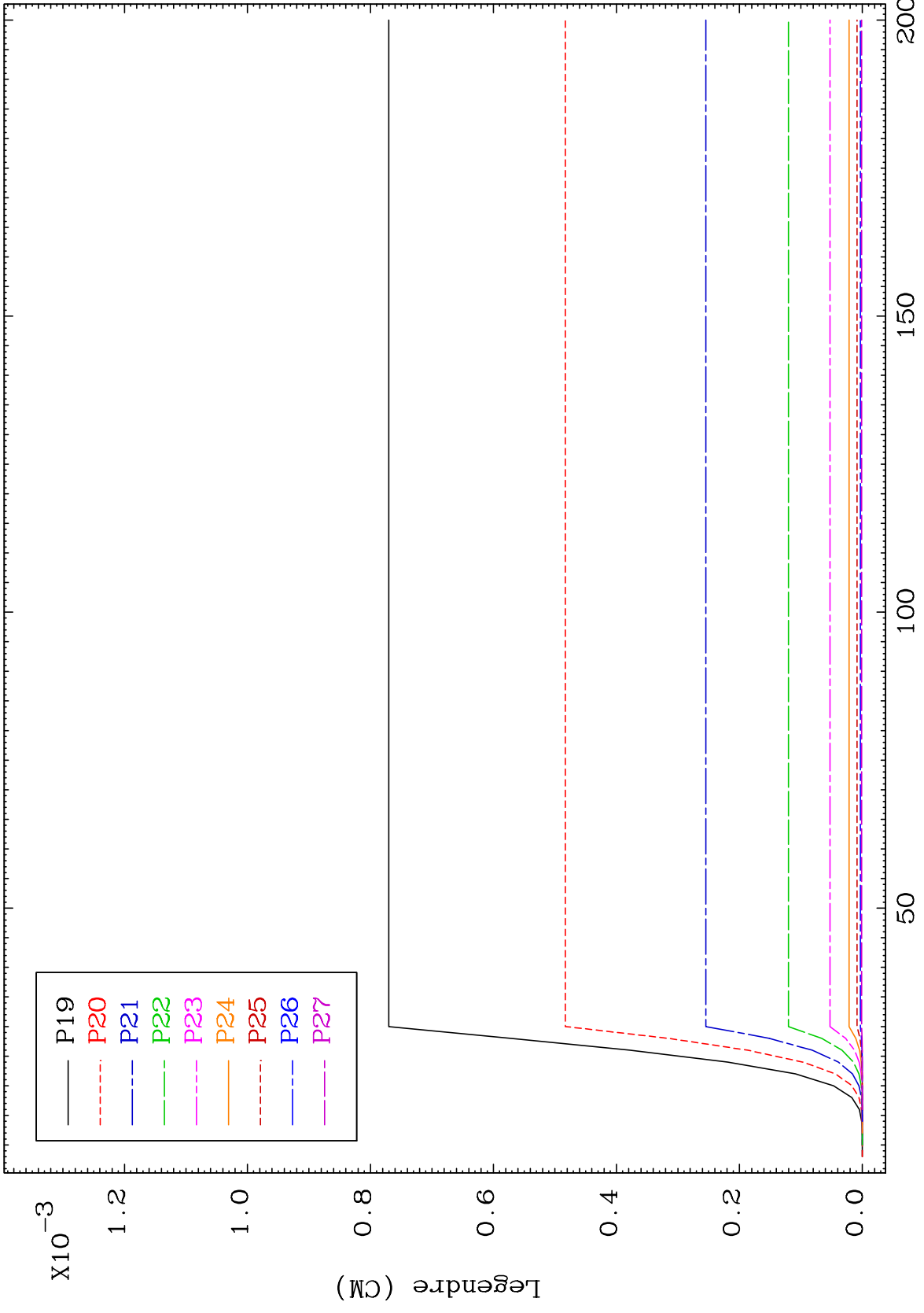
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



97

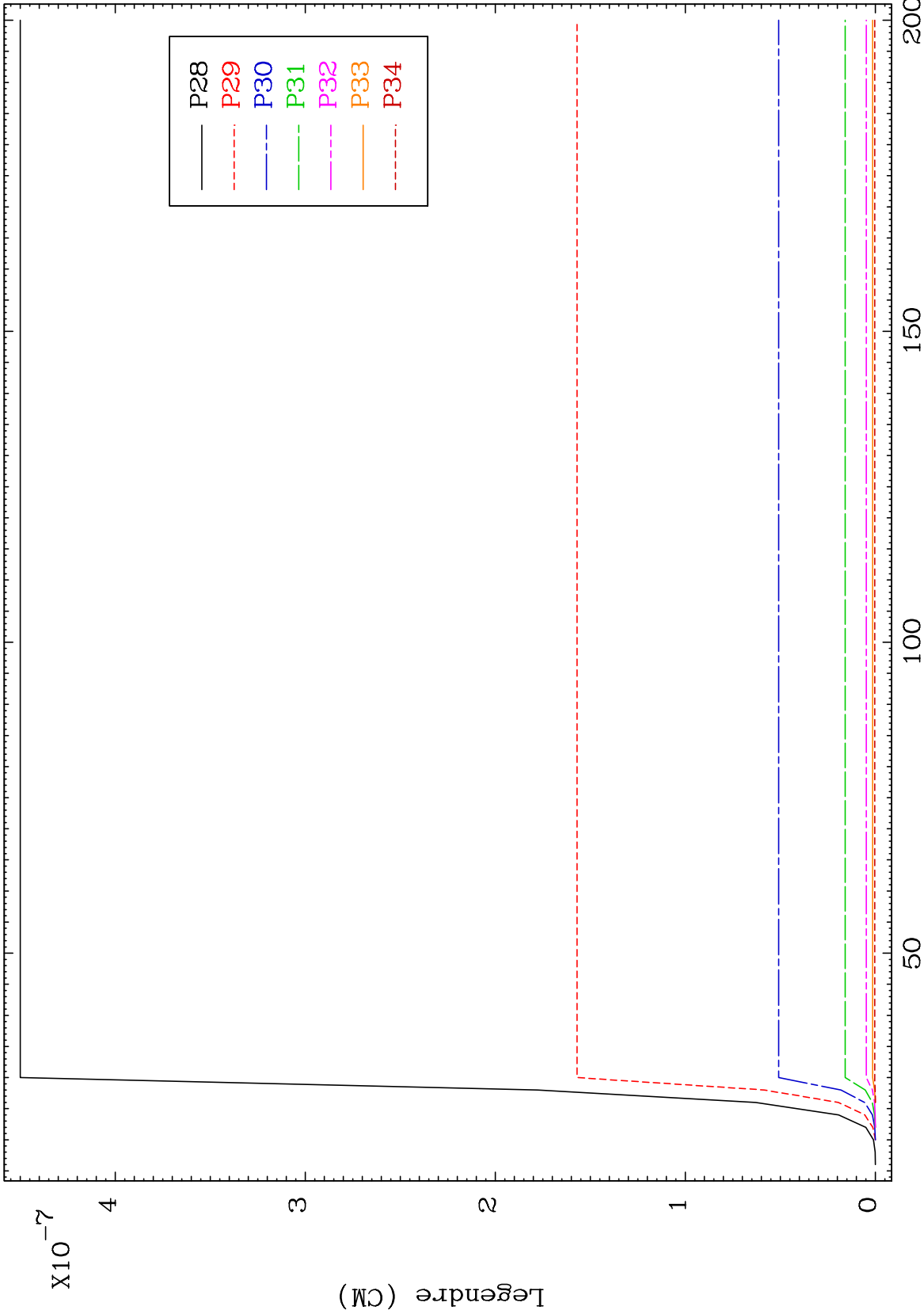
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



98

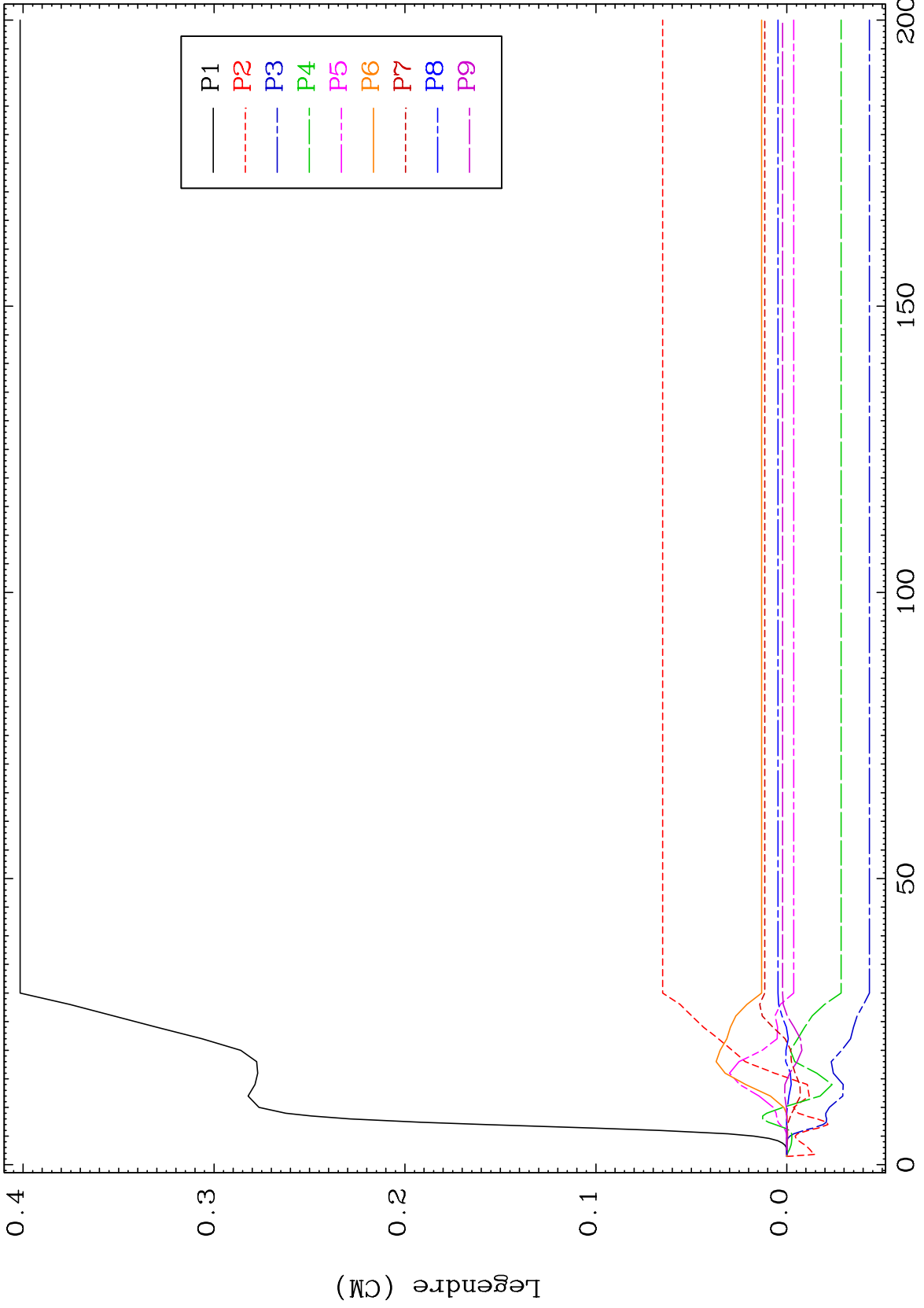
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



99

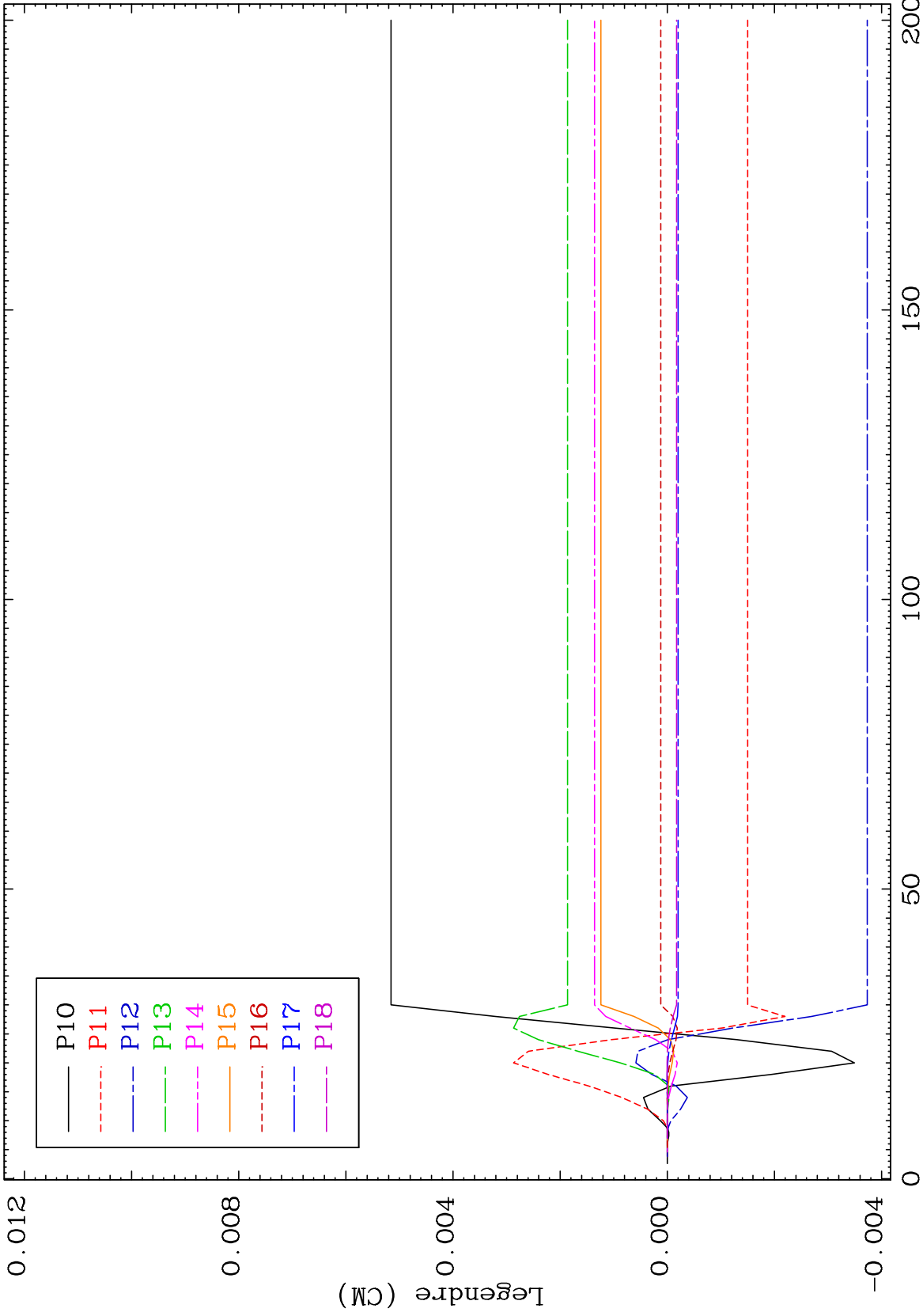
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99

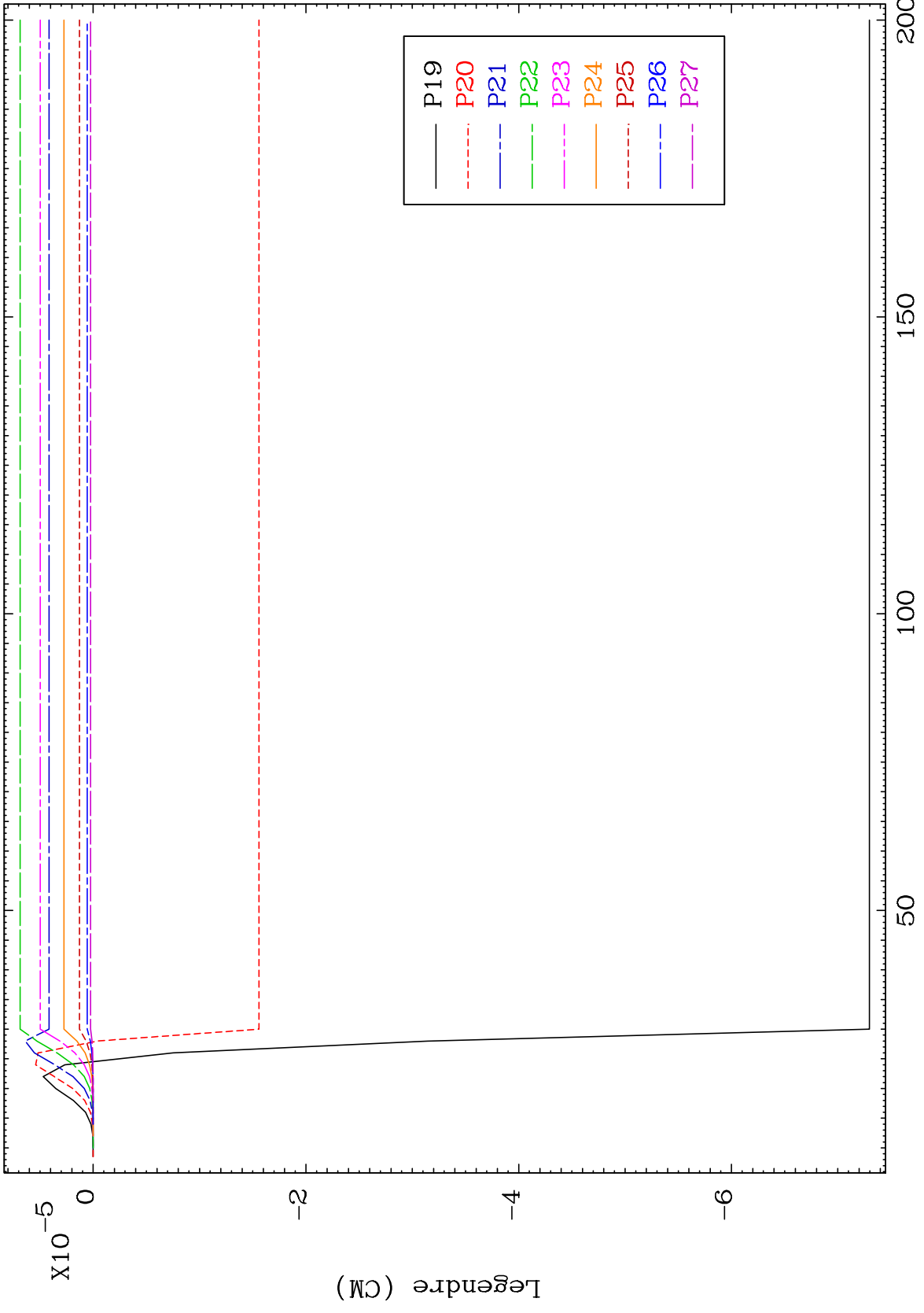


39-Y -99

Incident Energy (MeV)

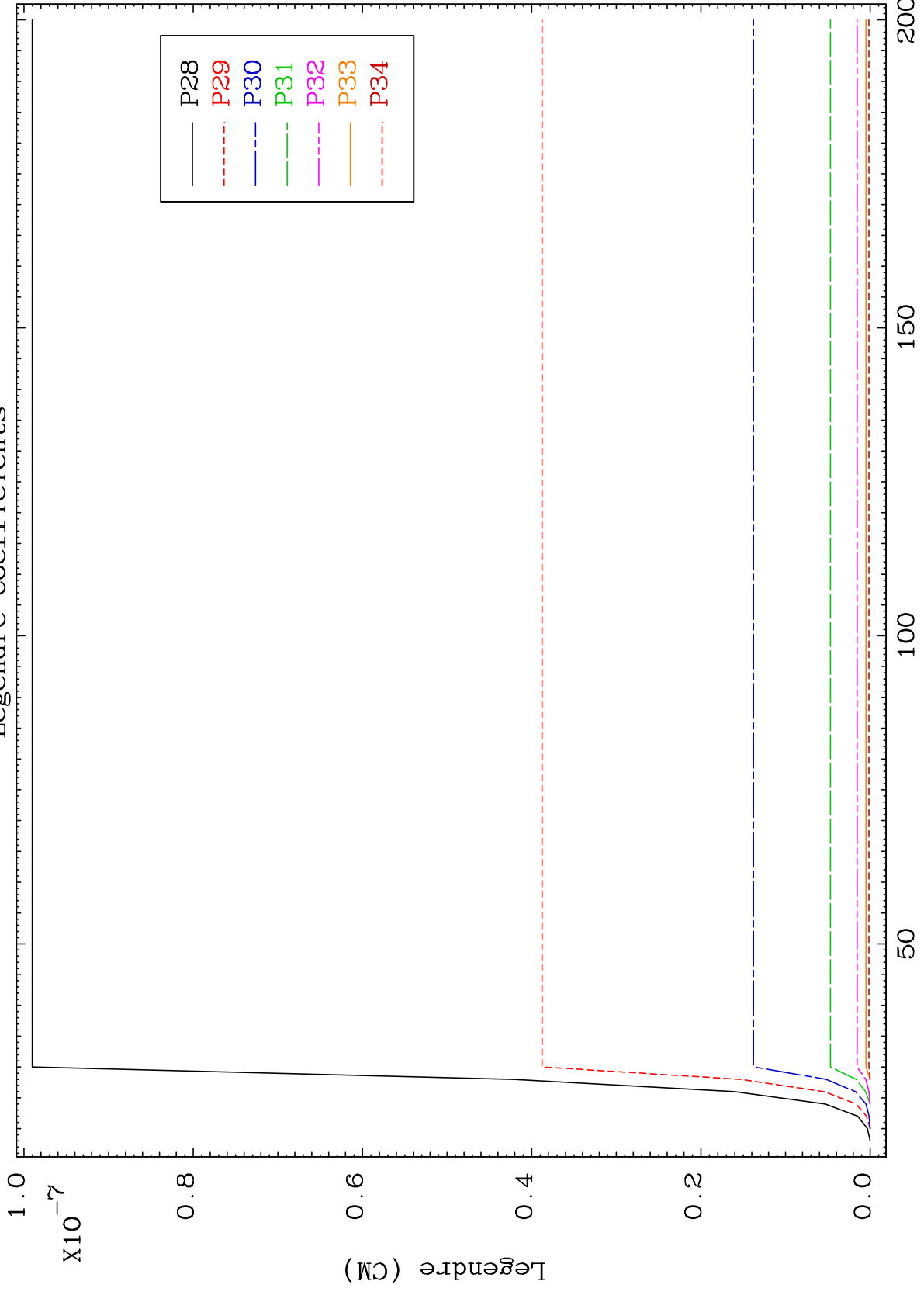
100

MAT 3955 MT= 71 (n,n') Level Legendre Coefficients 39-Y -99



101 39-Y -99

MAT 3955 MT= 71 (n,n') Level Legendre Coefficients 39-Y -99

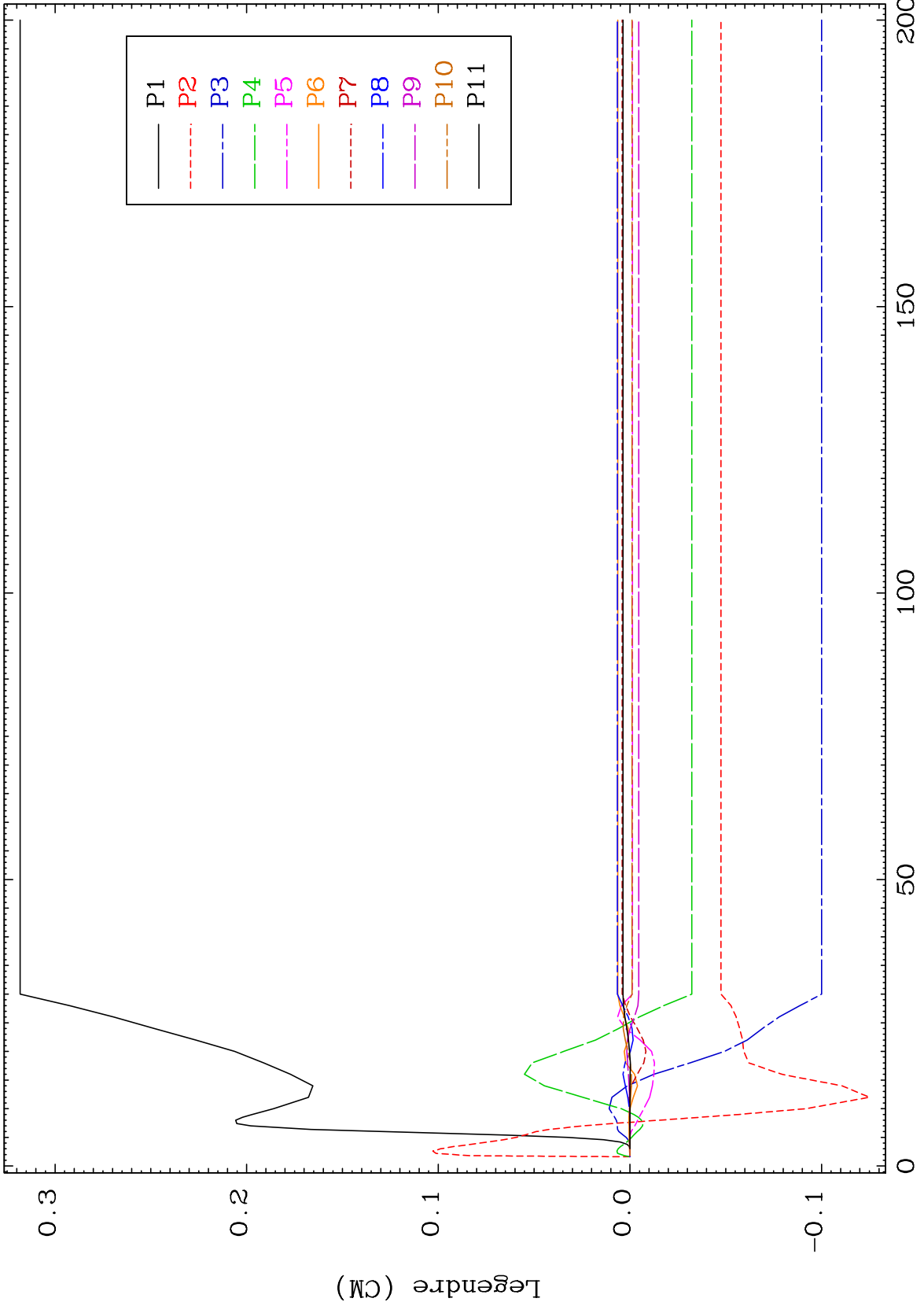


102 Incident Energy (MeV) 39-Y -99

MAT 3955

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

39-Y -99



103

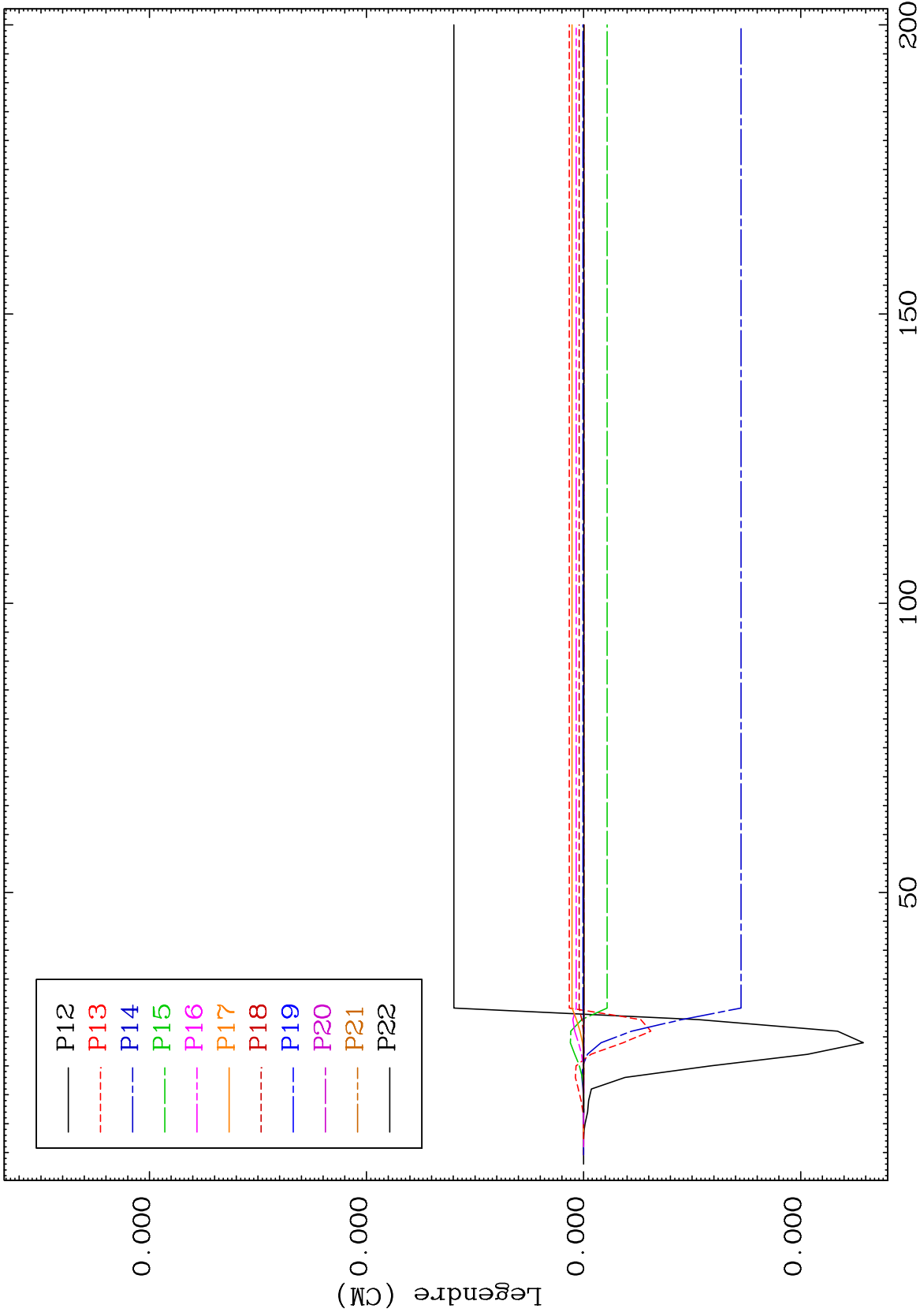
Incident Energy (MeV)

39-Y -99

MAT 3955

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

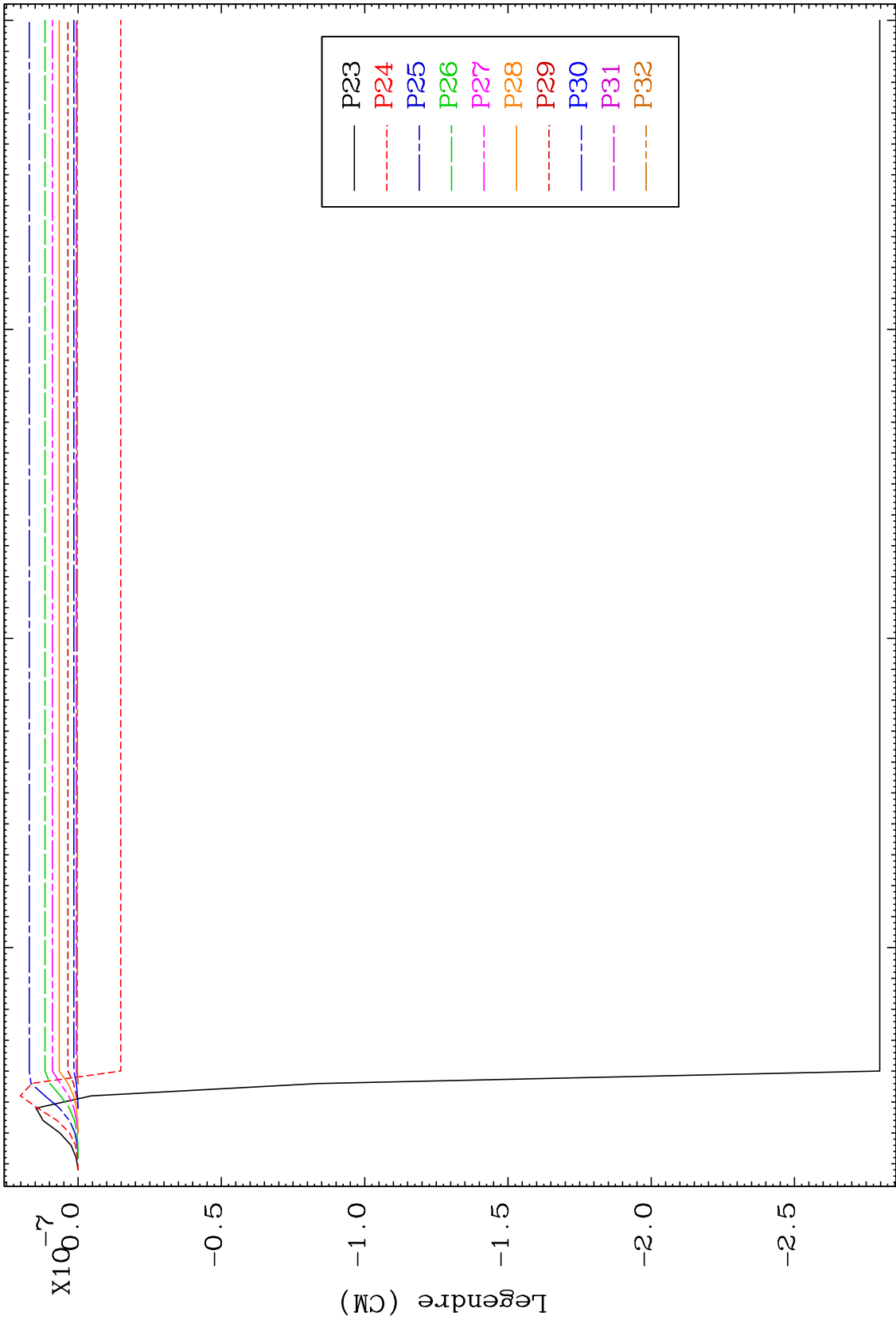
39-Y -99



104

39-Y -99

MAT 3955 MT= 72 (n,n') Level Legendre Coefficients 39-Y -99

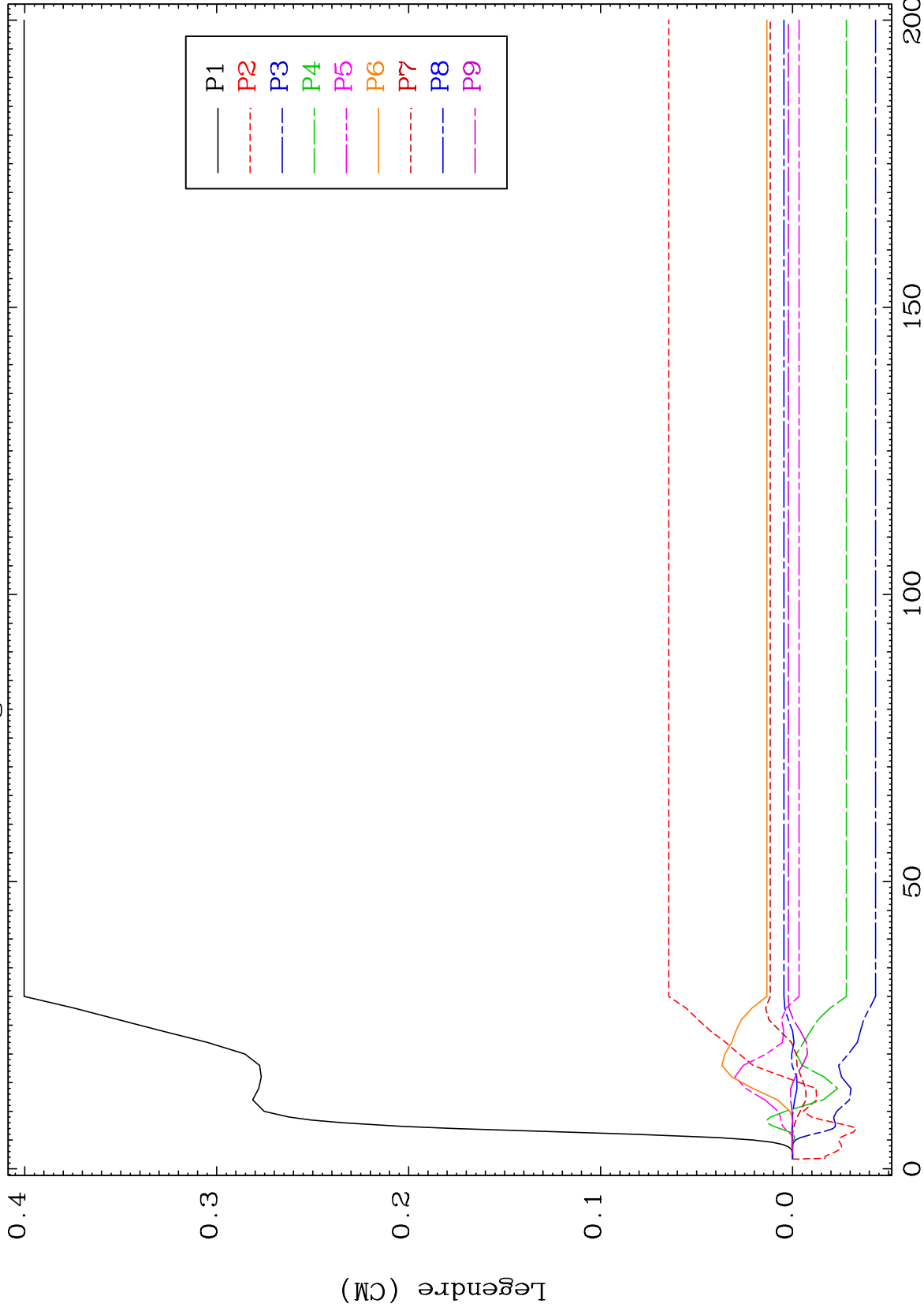


105 39-Y -99

MAT 3955

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

39-Y -99



39-Y -99

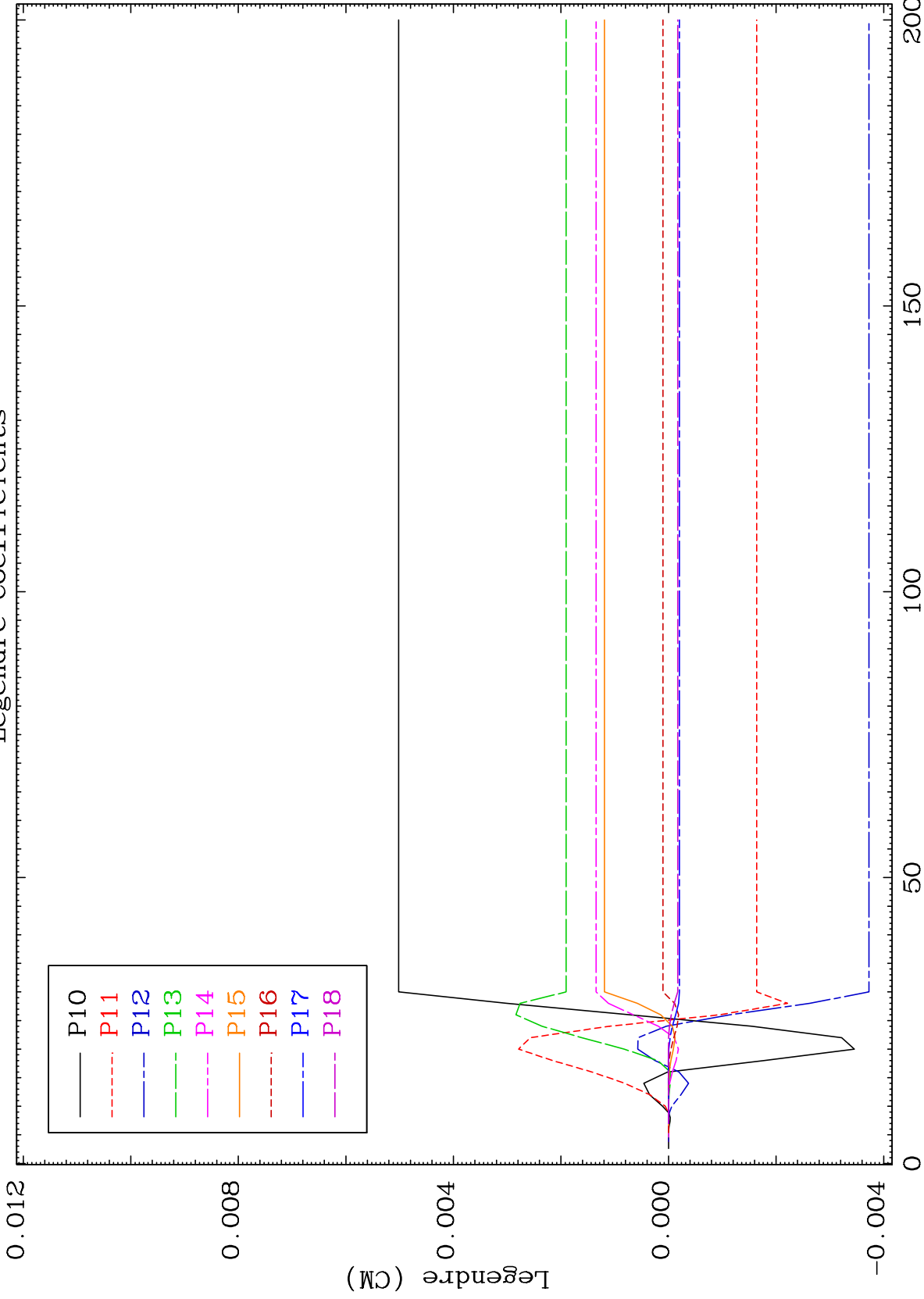
Incident Energy (MeV)

106

MAT 3955

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

39-Y -99

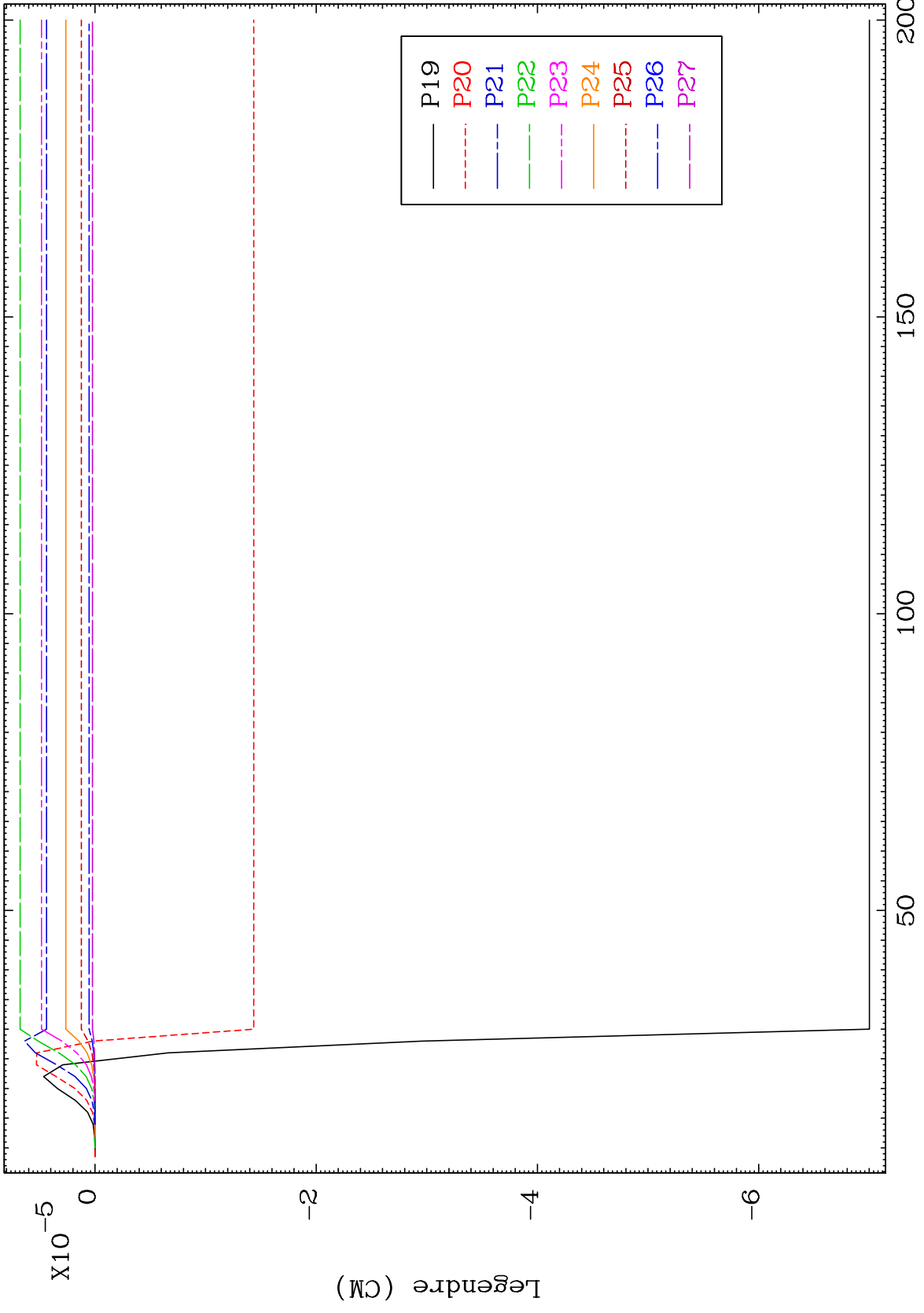


107

Incident Energy (MeV)

39-Y -99

MAT 3955 MT= 73 (n,n') Level Legendre Coefficients 39-Y -99

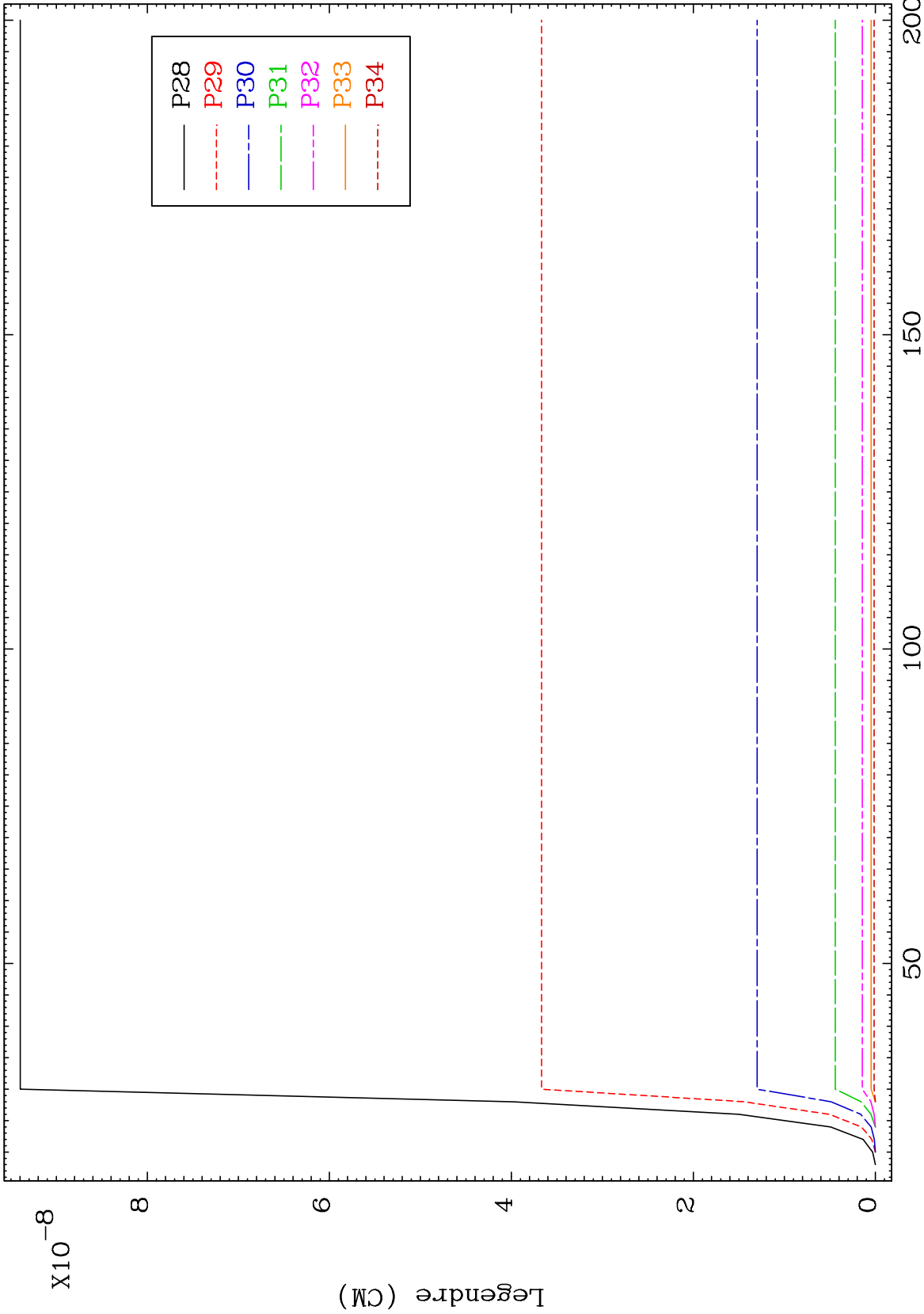


108 39-Y -99

MAT 3955

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

39-Y -99



109

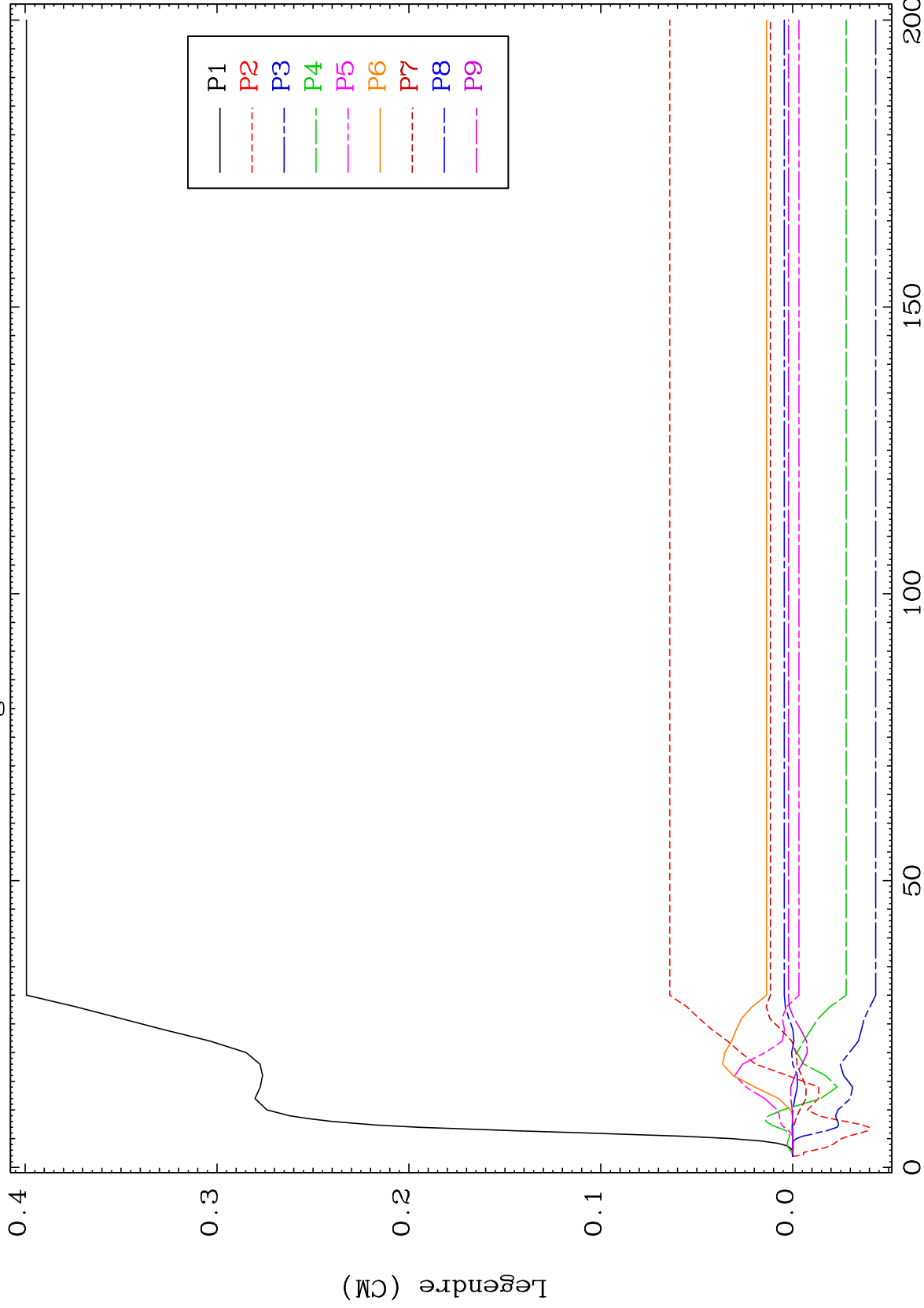
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



39-Y -99

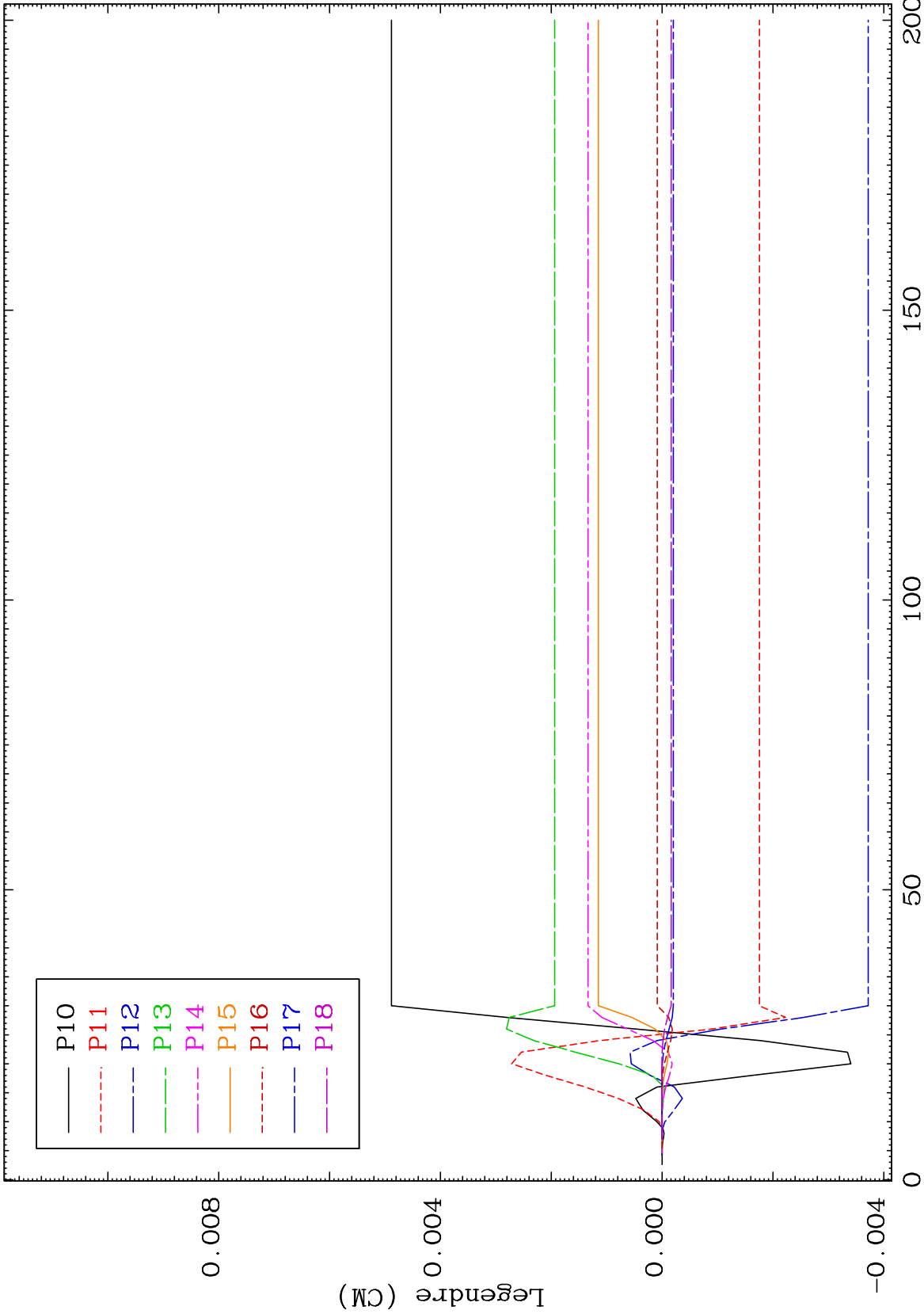
Incident Energy (MeV)

110

MAT 3955

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

39-Y -99



111

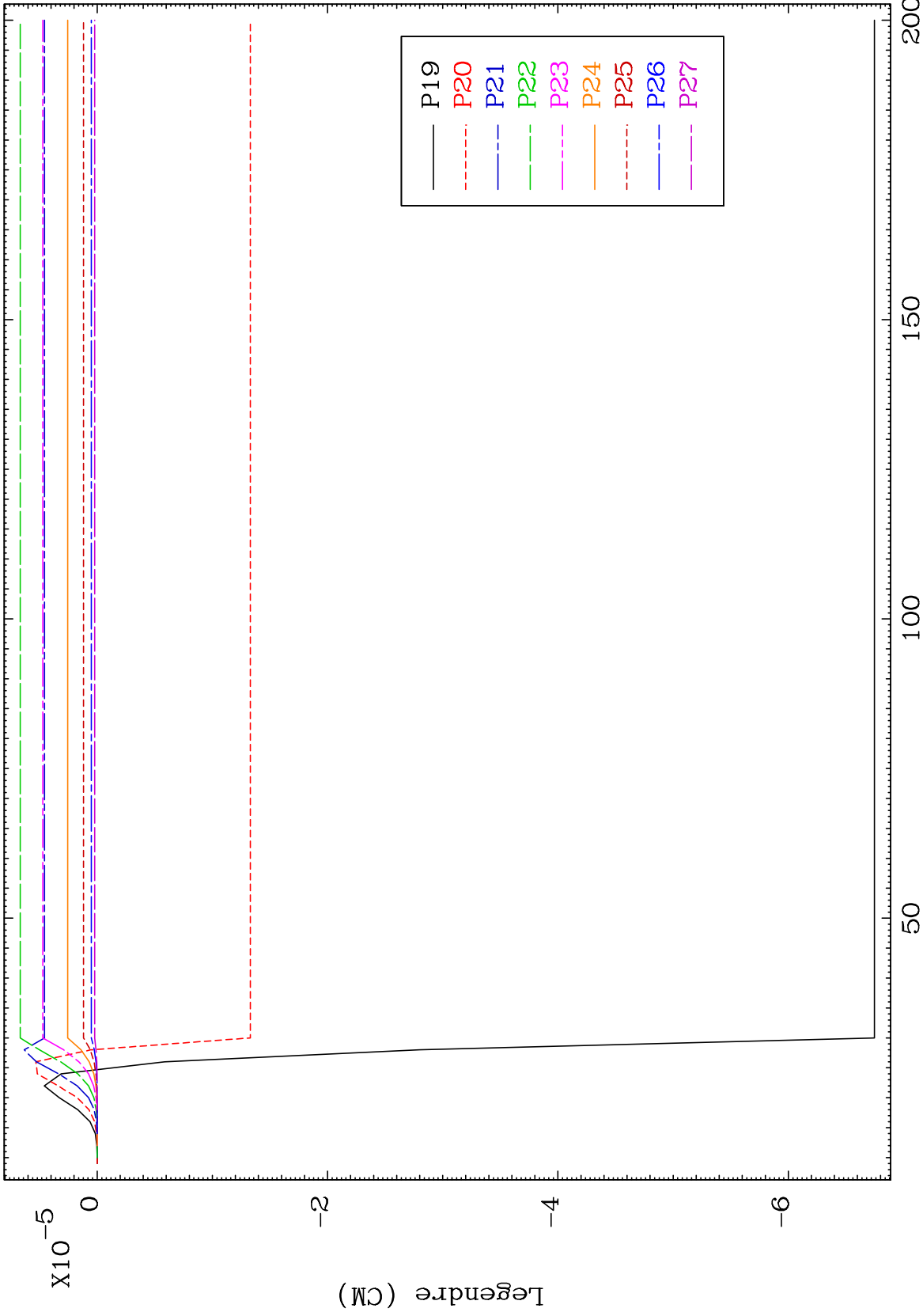
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



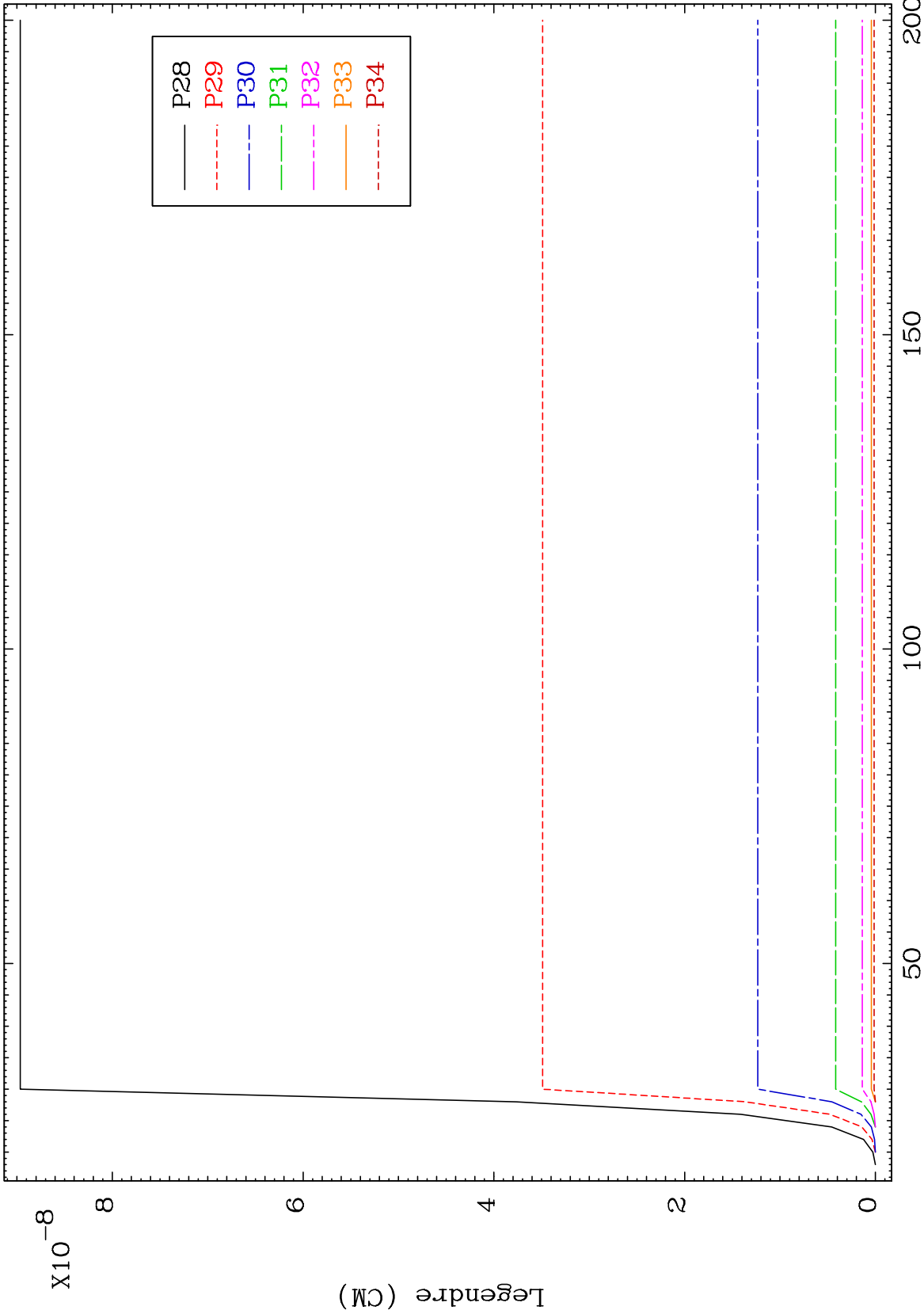
112

39-Y -99

MAT 3955

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

39-Y -99



113

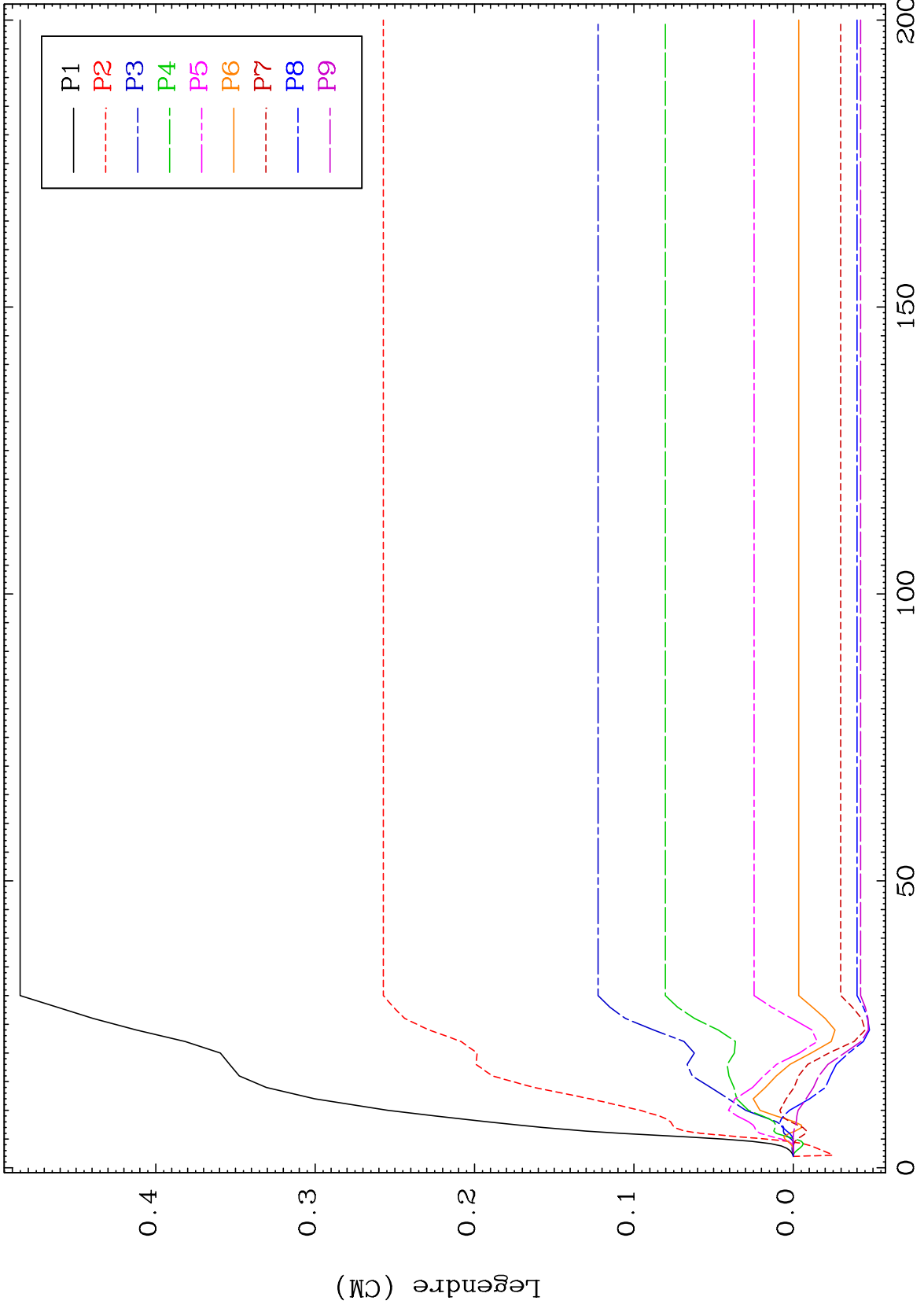
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



114

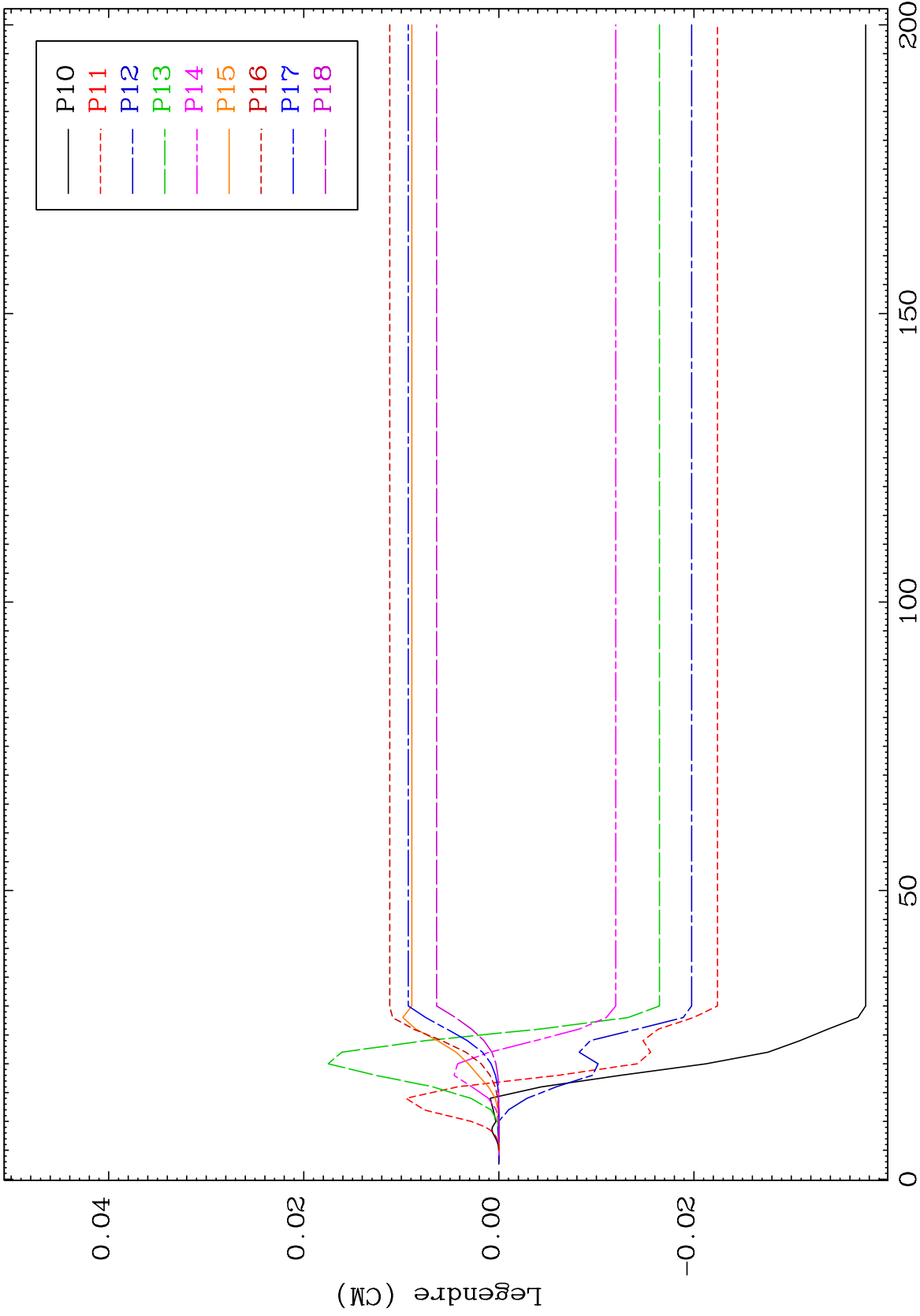
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



115

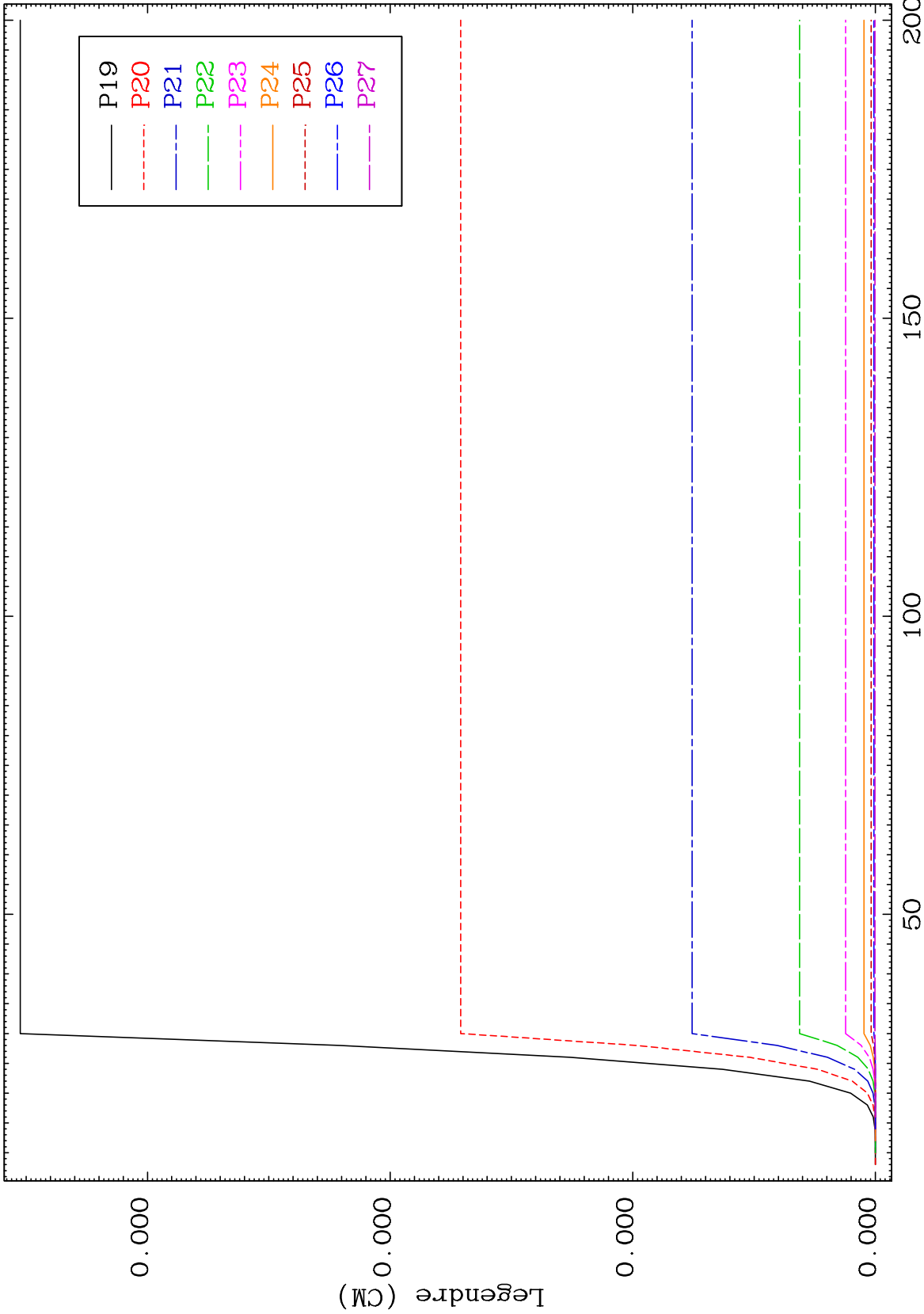
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



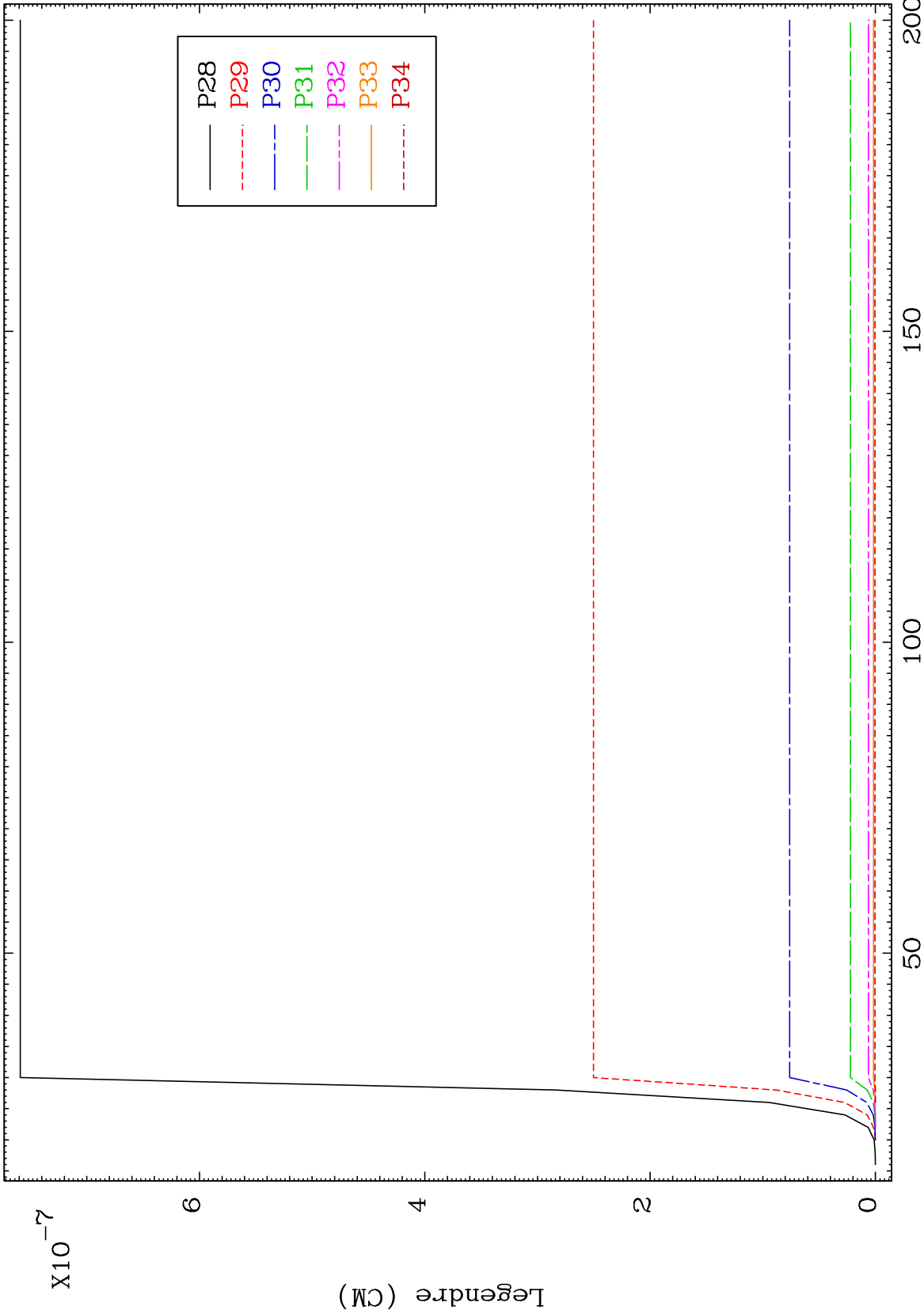
116

39-Y -99

MAT 3955

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

39-Y -99



117

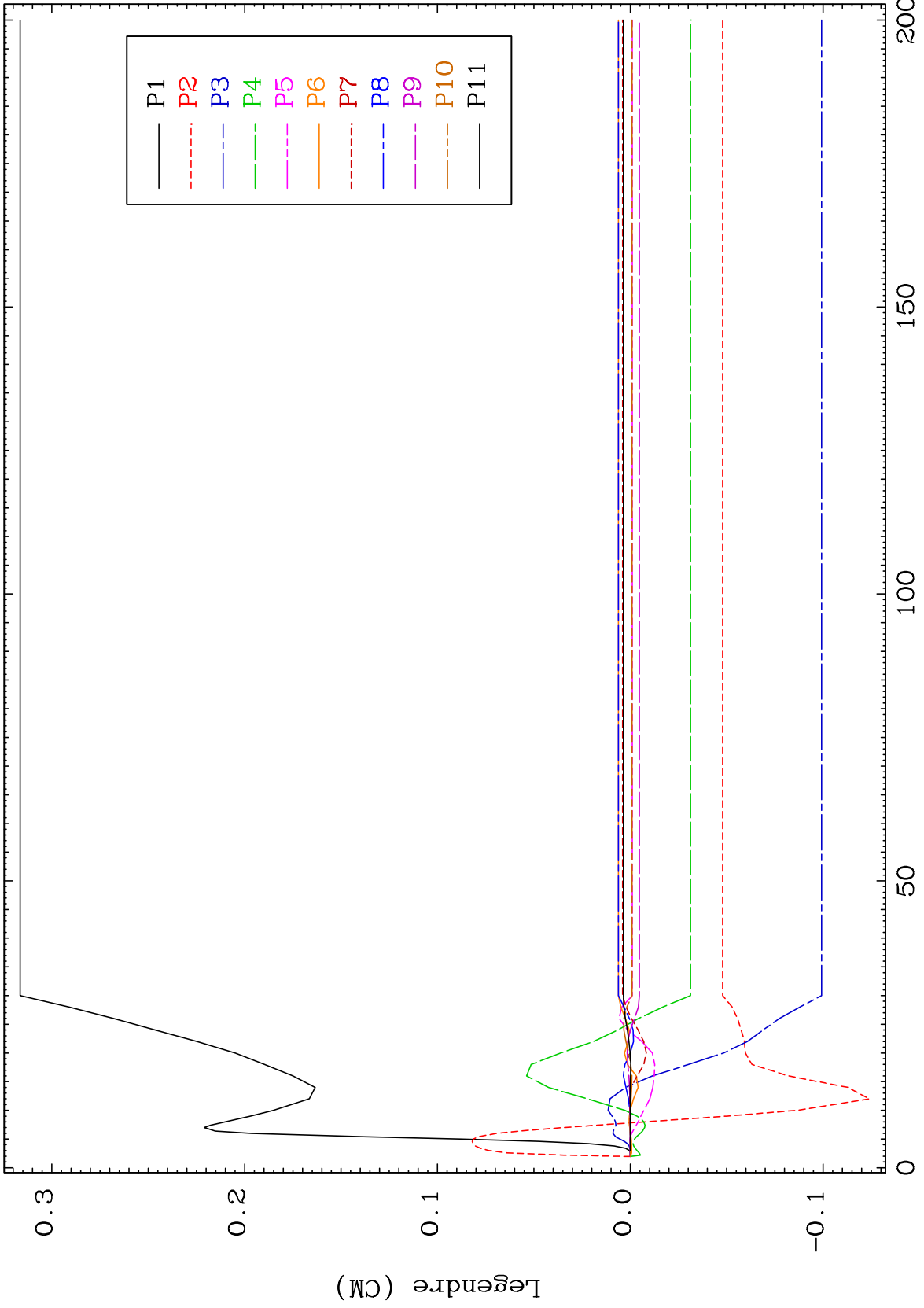
Incident Energy (MeV)

39-Y -99

MAT 3955

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

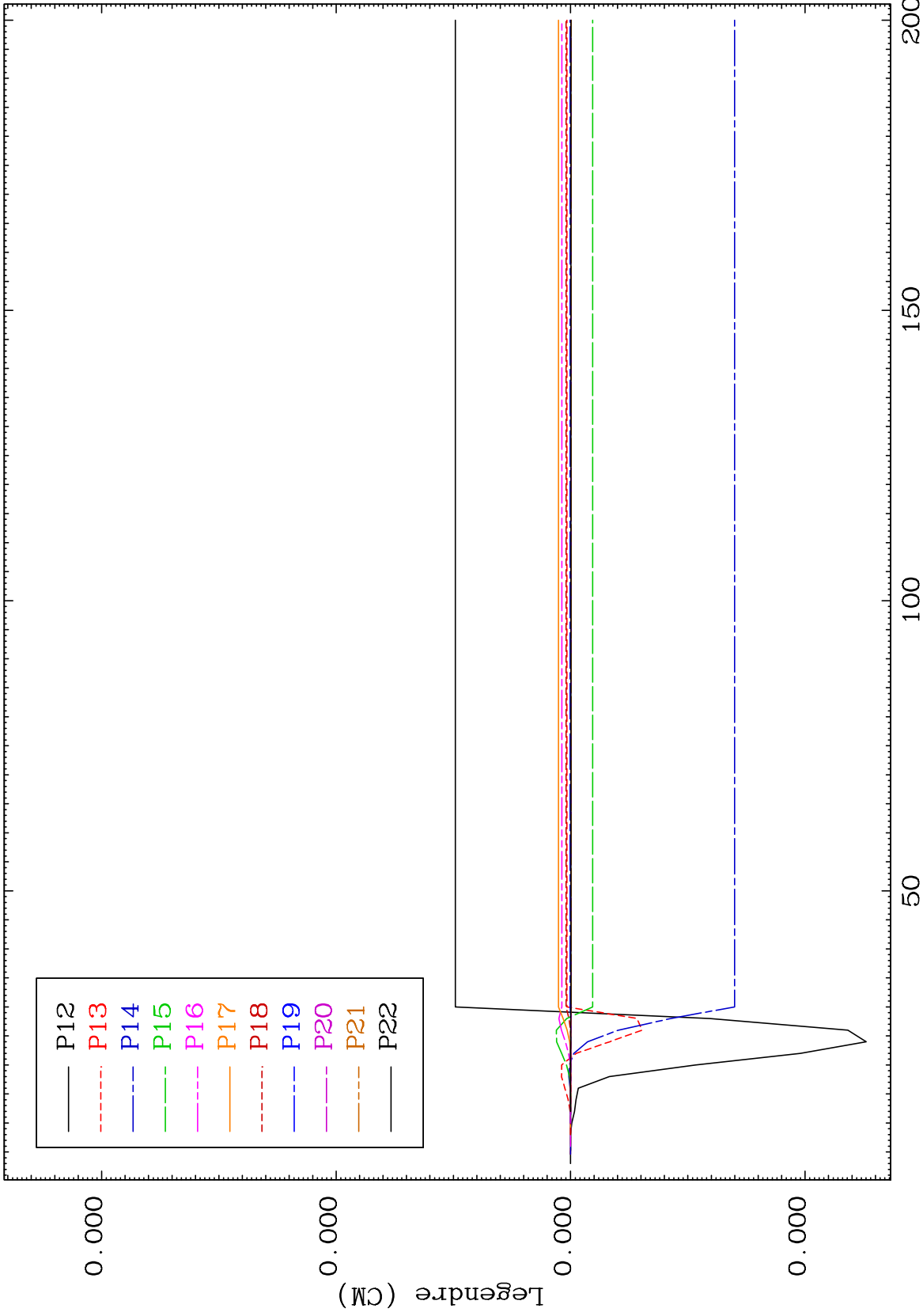
39-Y -99



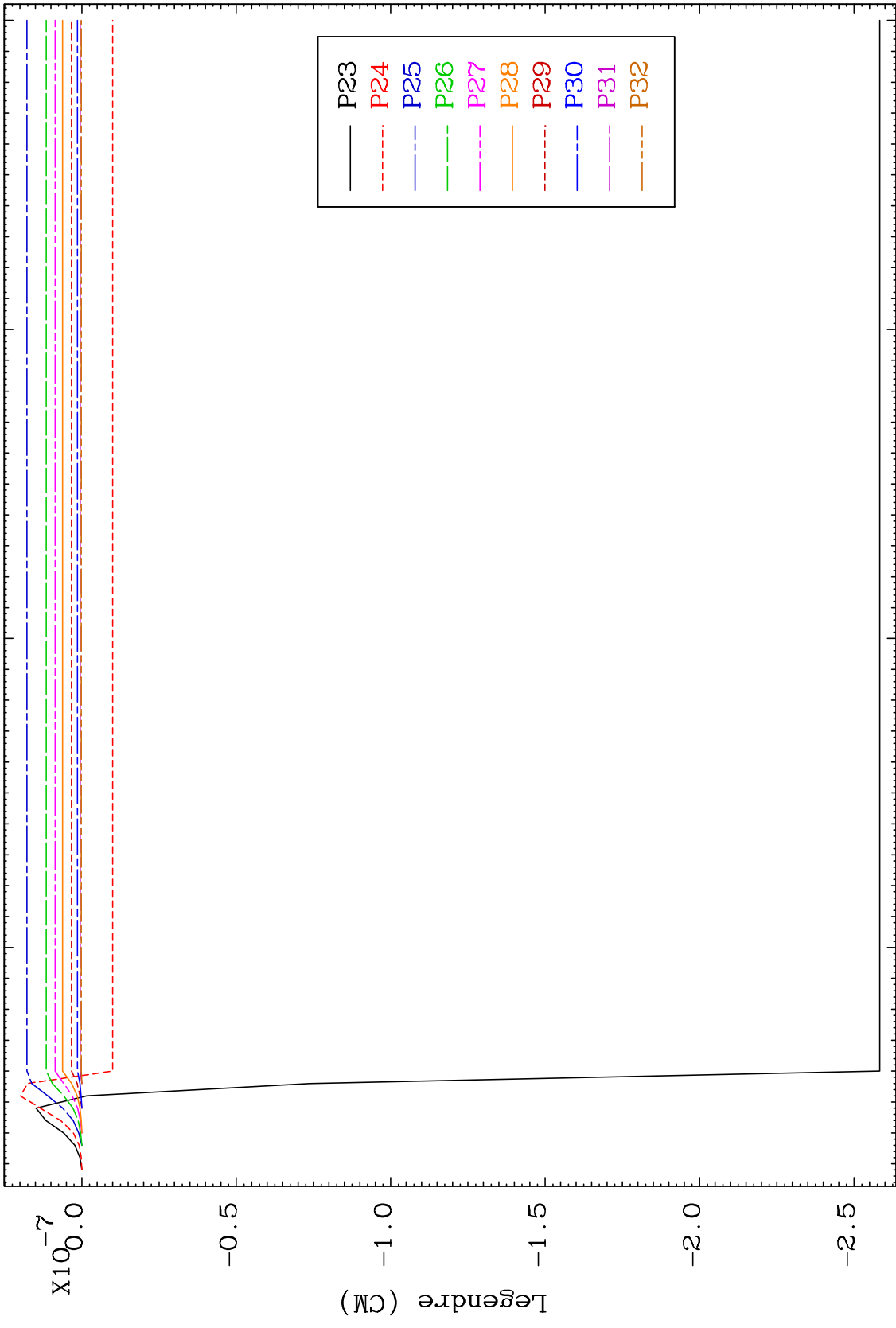
118

Incident Energy (MeV)

39-Y -99



MAT 3955 MT= 76 (n,n') Level Legendre Coefficients 39-Y -99

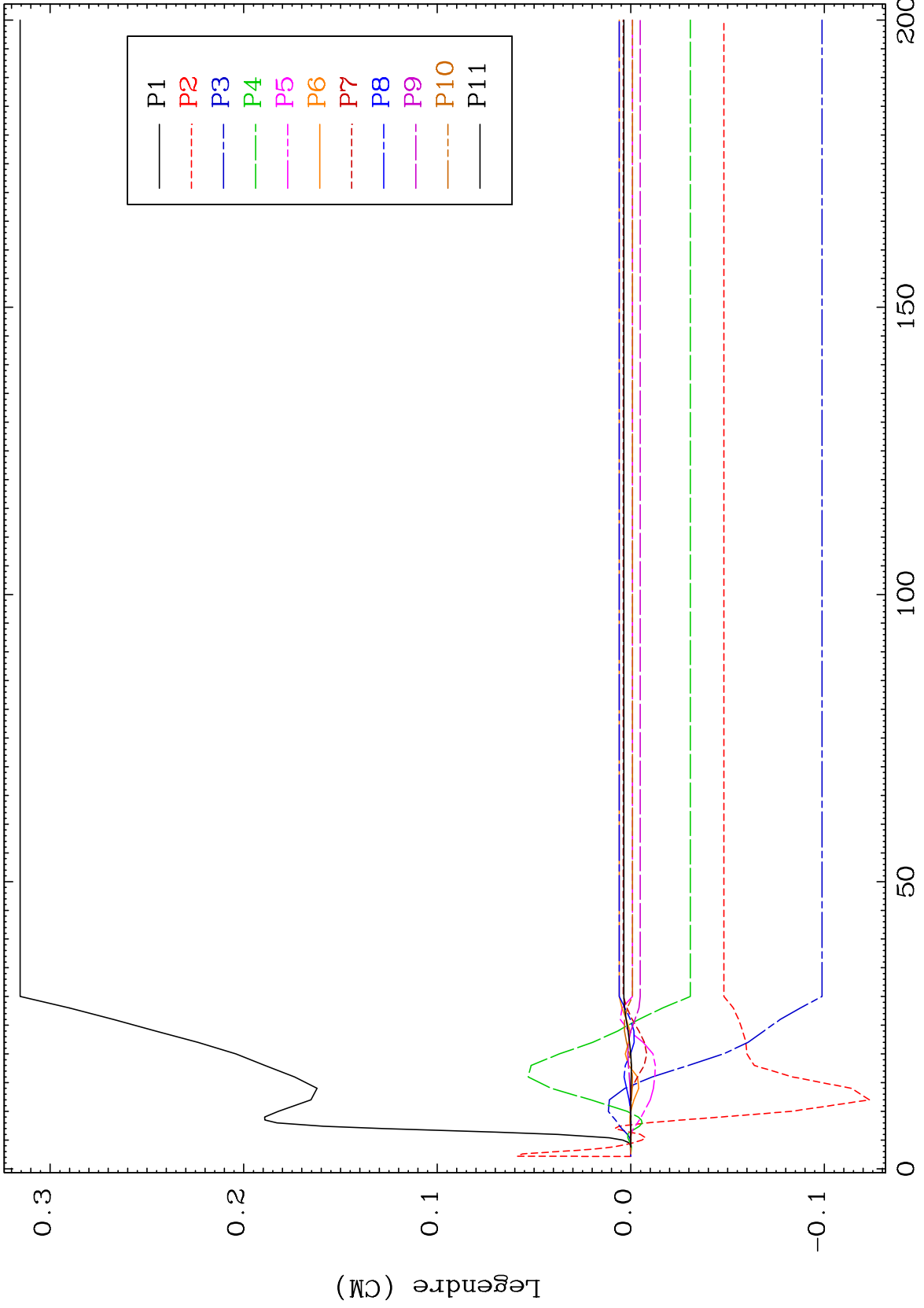


120 Incident Energy (MeV) 39-Y -99

MAT 3955

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

39-Y -99



121

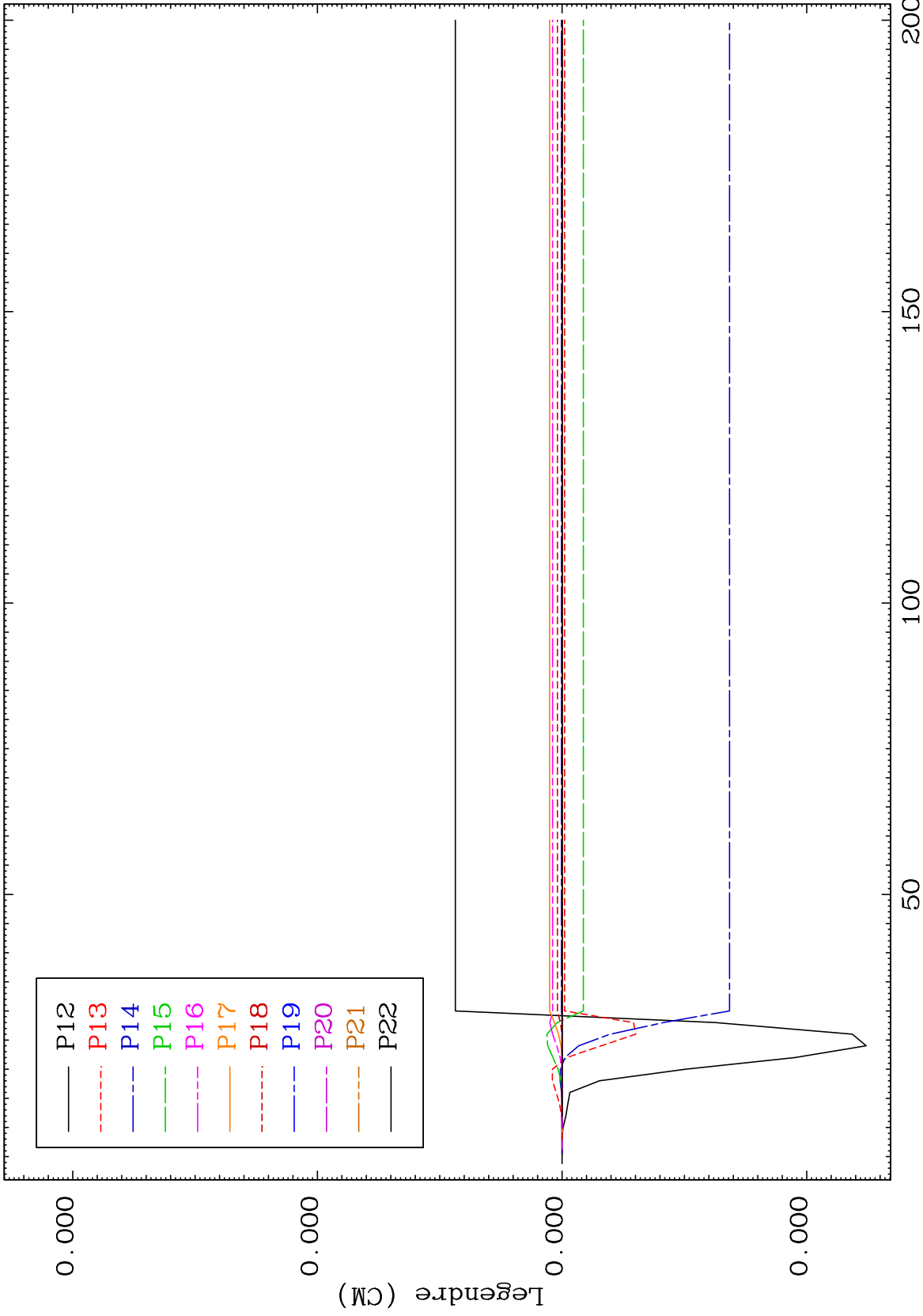
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99

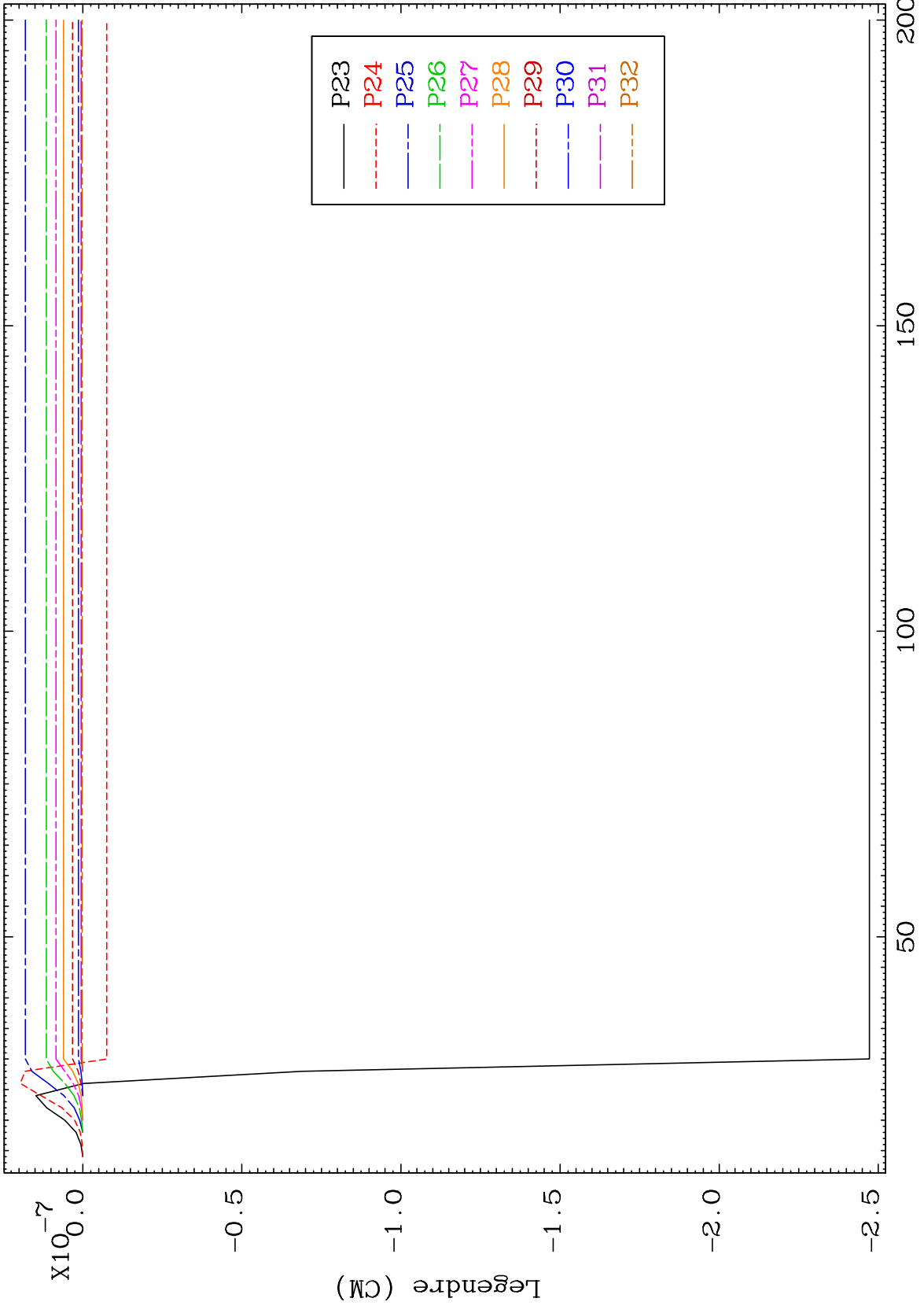


122

Incident Energy (MeV)

39-Y -99

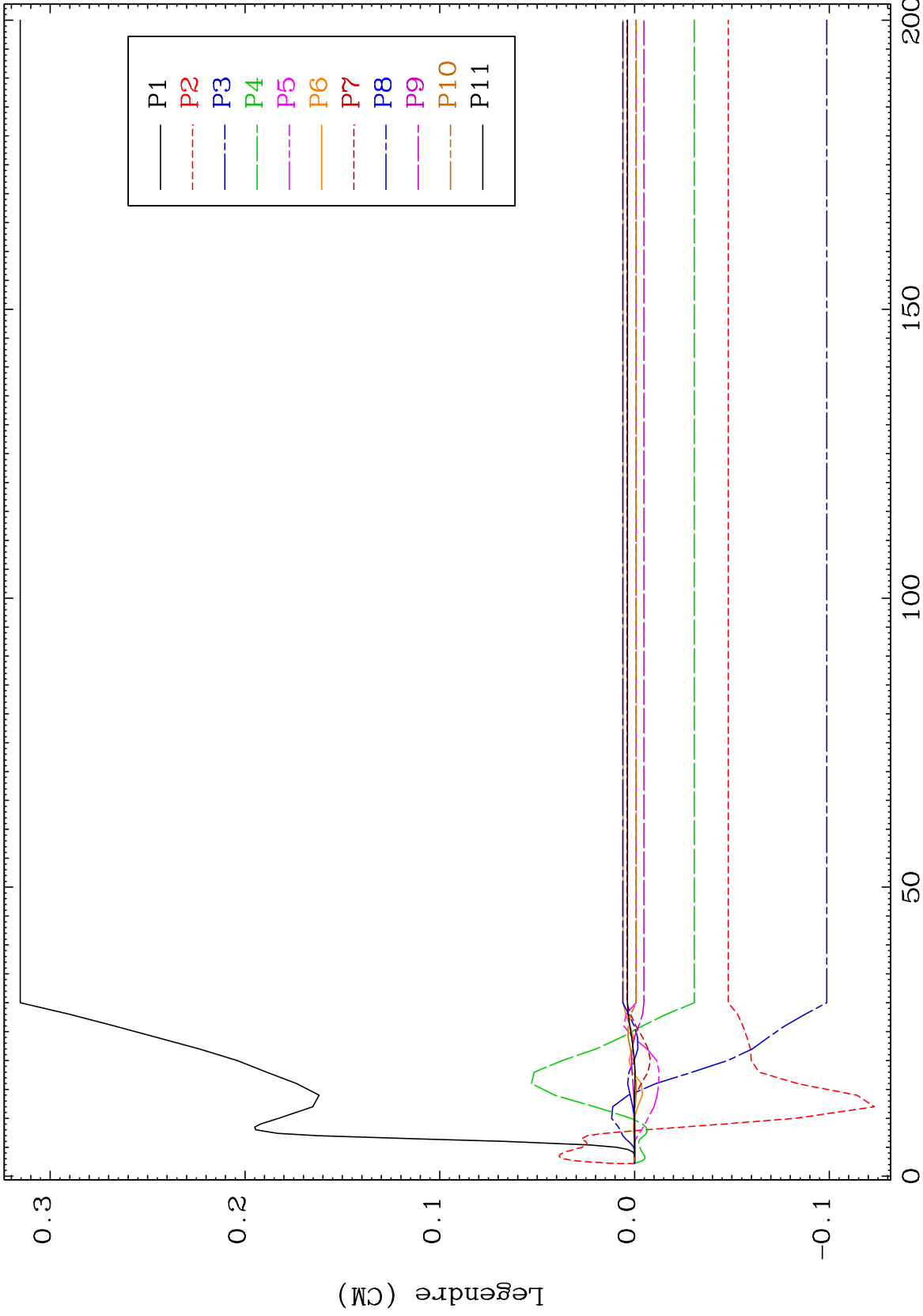
MAT 3955 MT= 77 (n,n') Level Legendre Coefficients 39-Y -99



MAT 3955

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

39-Y -99



124

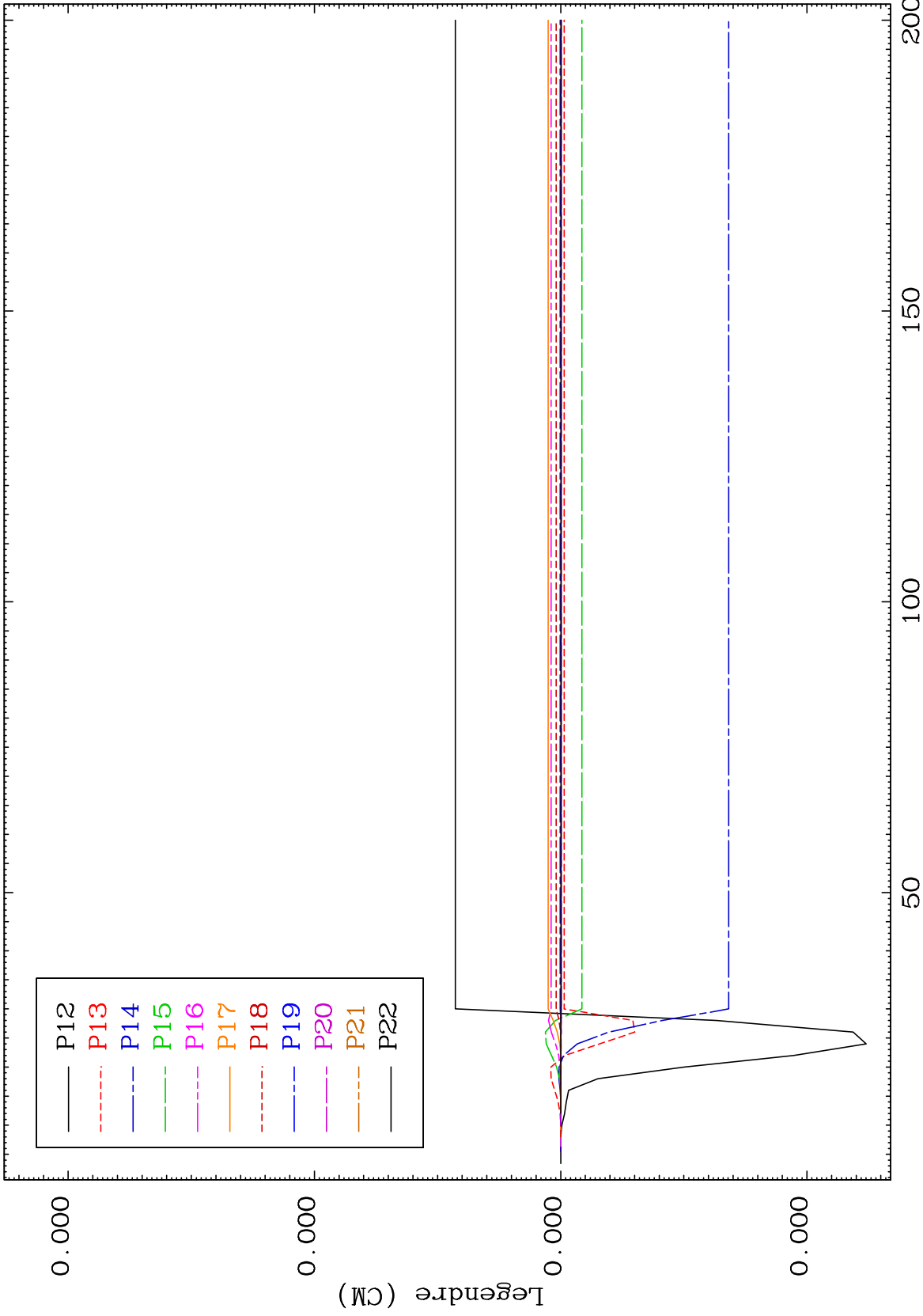
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99

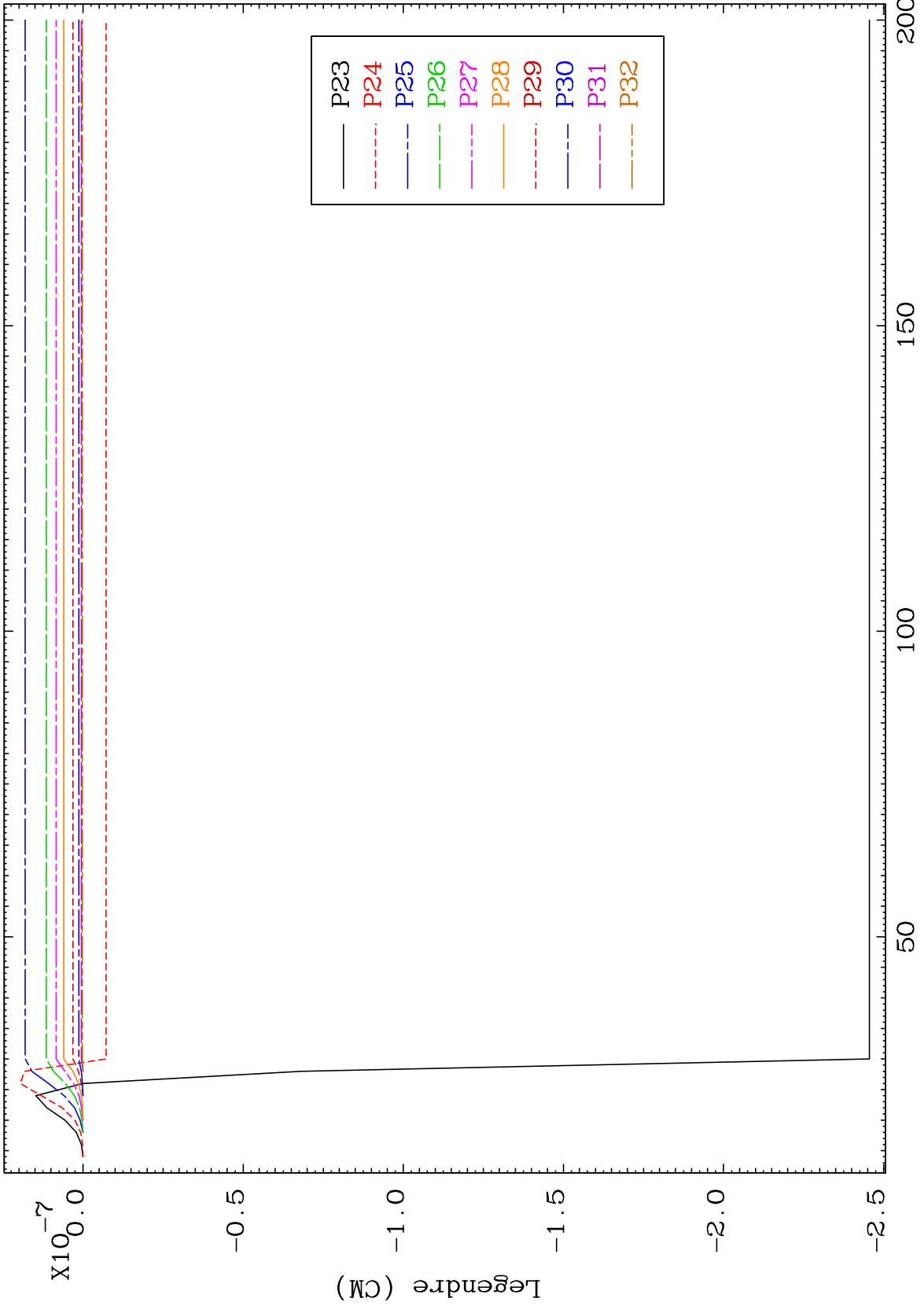


125

Incident Energy (MeV)

39-Y -99

MAT 3955 MT= 78 (n,n') Level Legendre Coefficients 39-Y -99

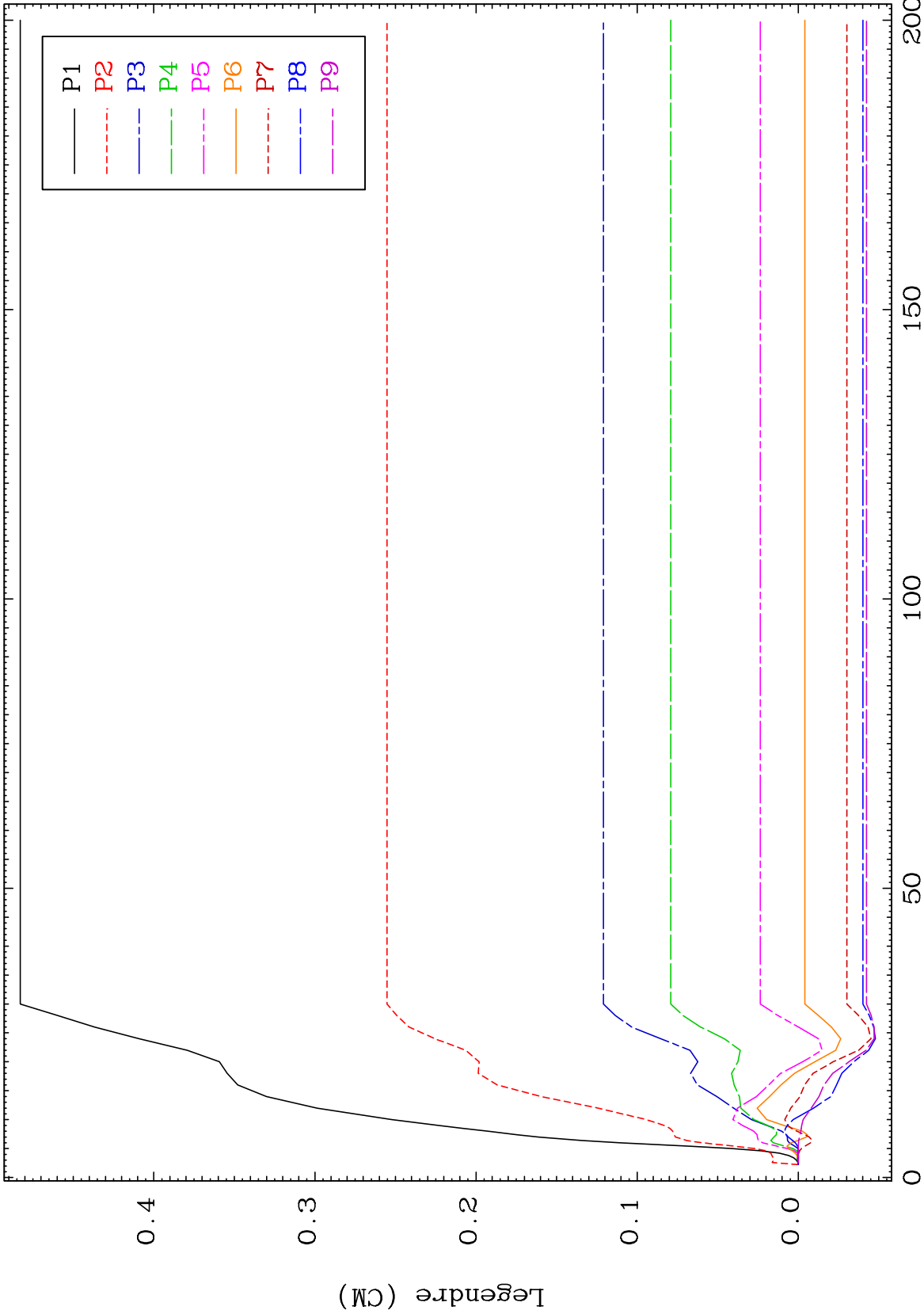


126 Incident Energy (MeV) 39-Y -99

MAT 3955

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

39-Y -99



127

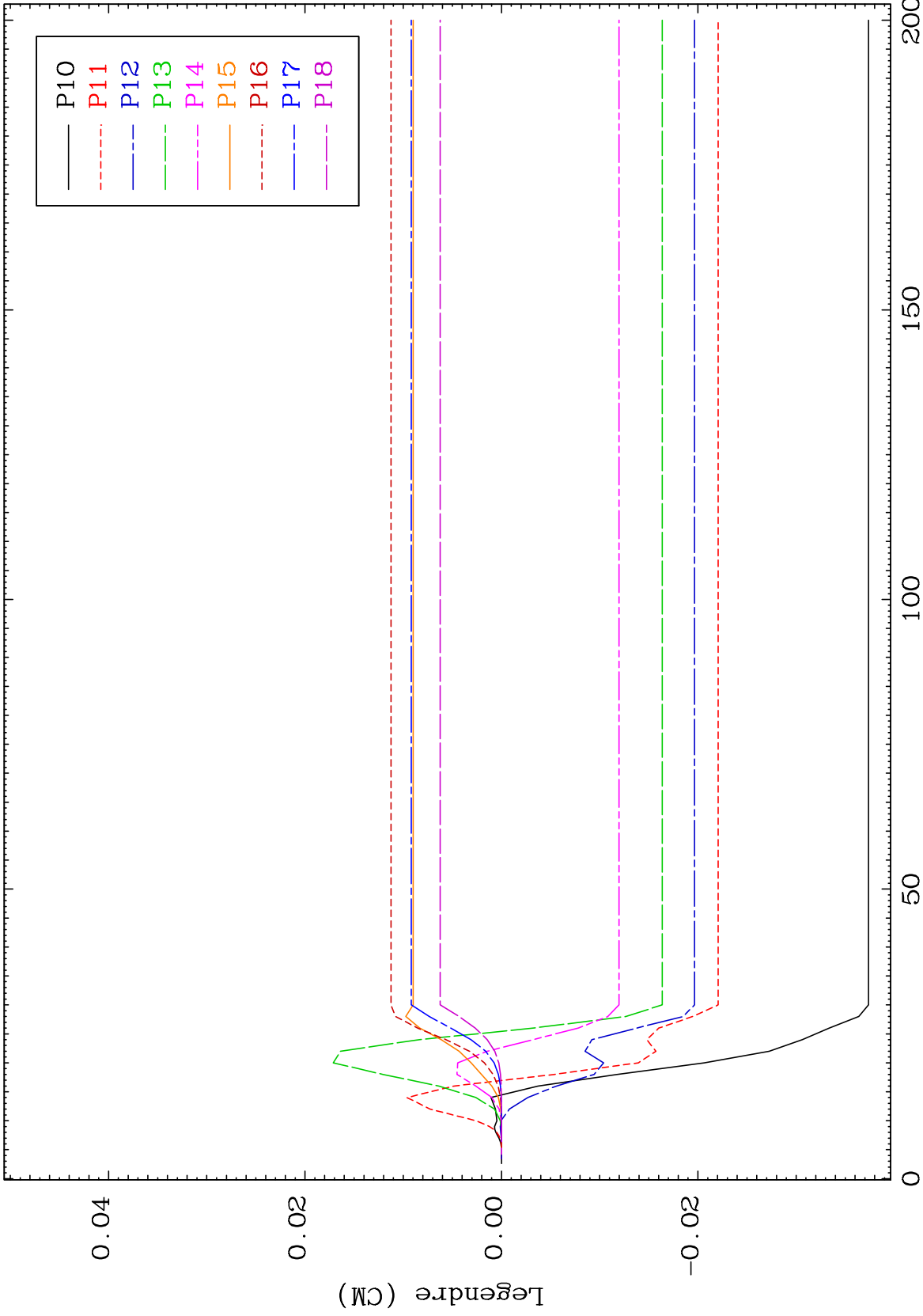
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99



128

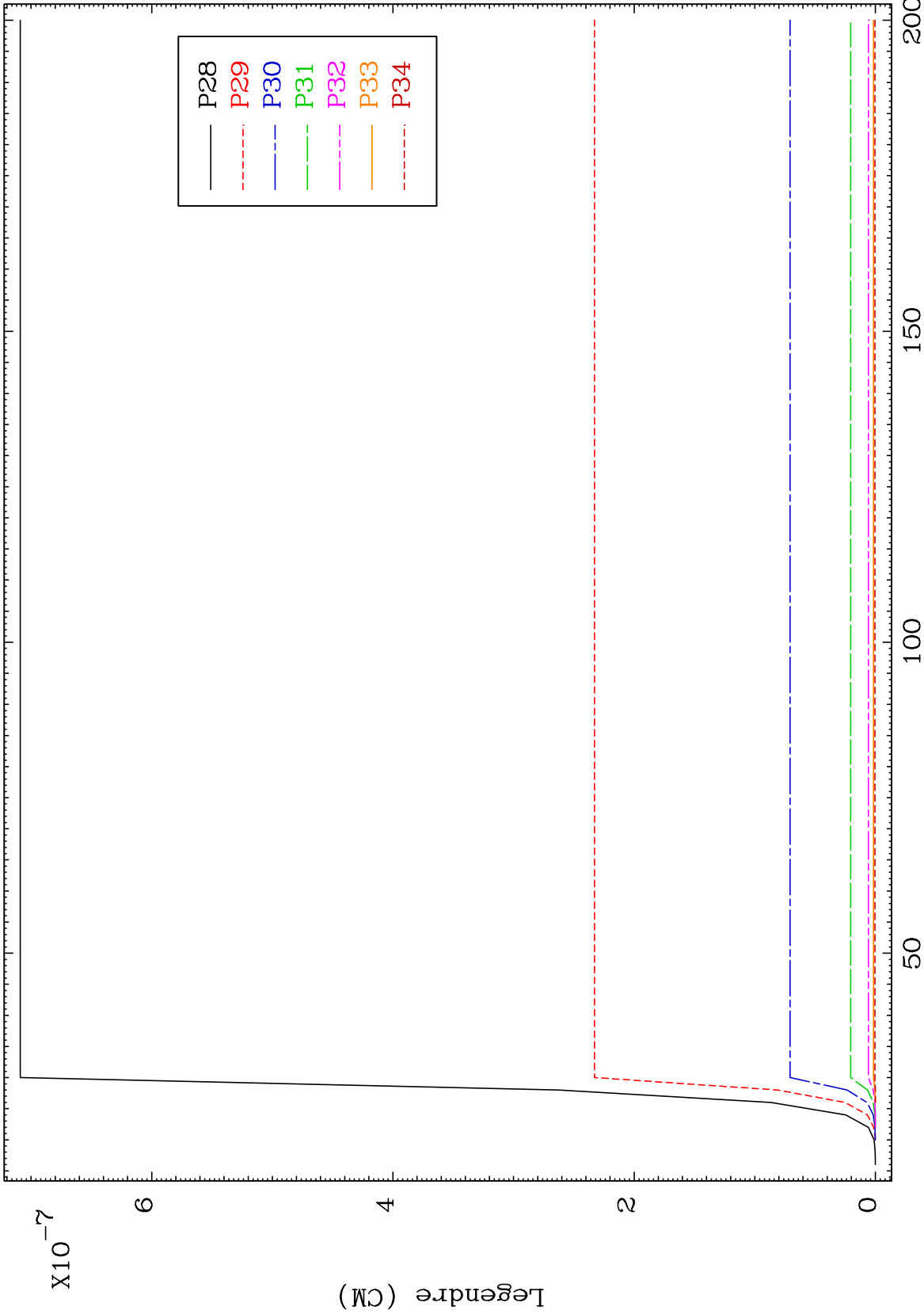
Incident Energy (MeV)

39-Y -99

MAT 3955

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

39-Y -99

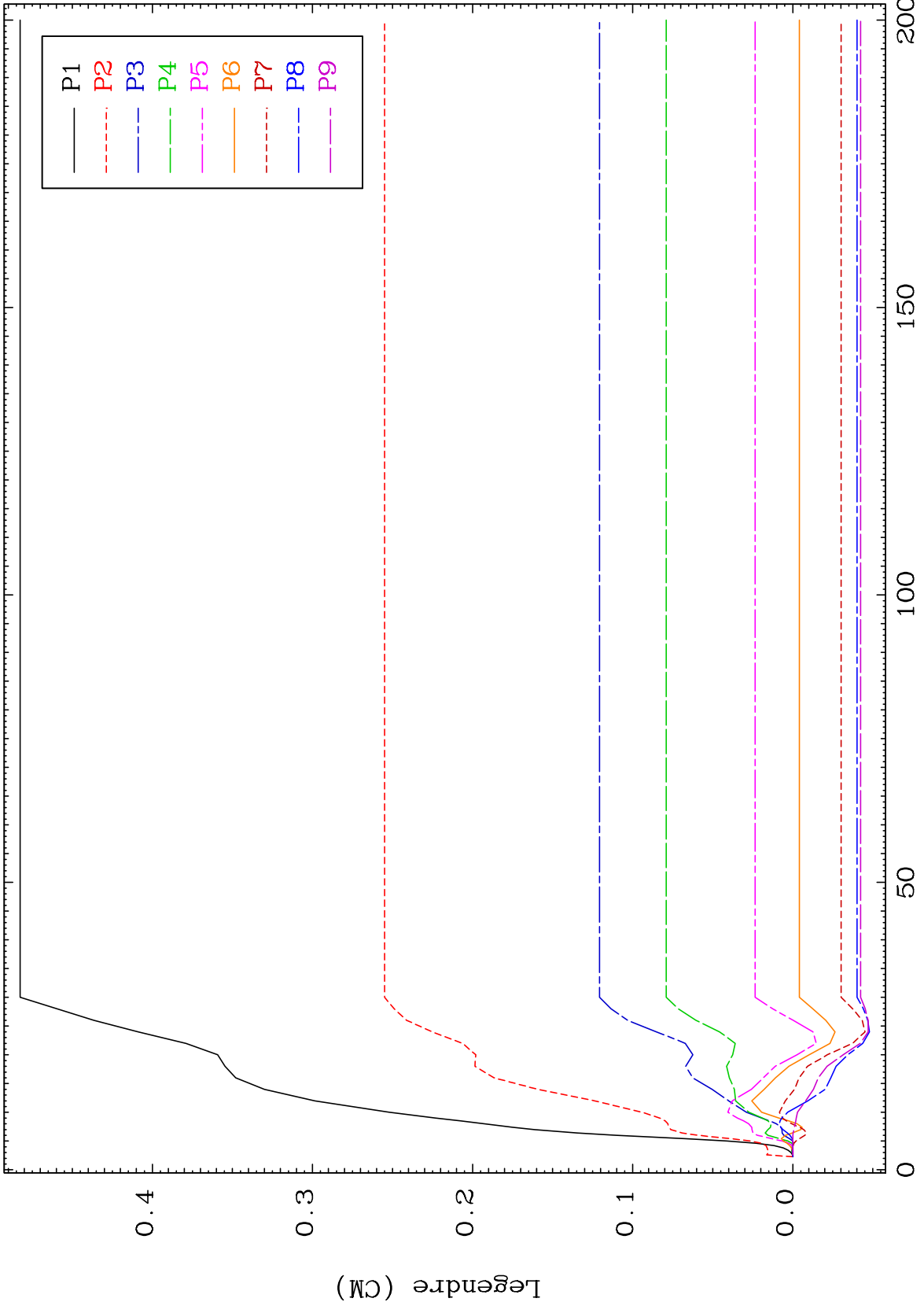


130

Incident Energy (MeV)

39-Y -99

MAT 3955 MT= 80 (n,n') Level Legendre Coefficients 39-Y -99

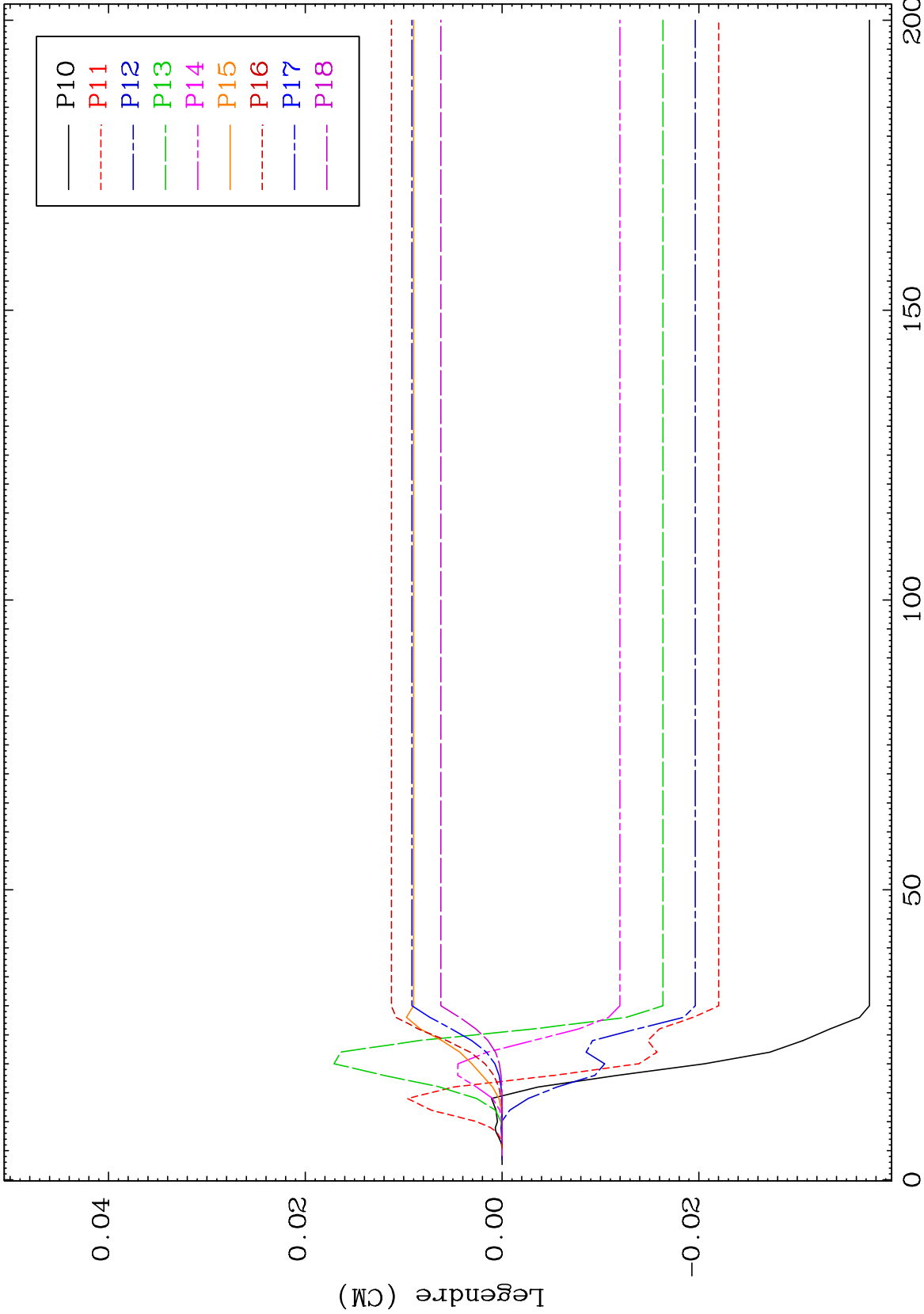


131 Incident Energy (MeV) 39-Y -99

MAT 3955

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

39-Y -99

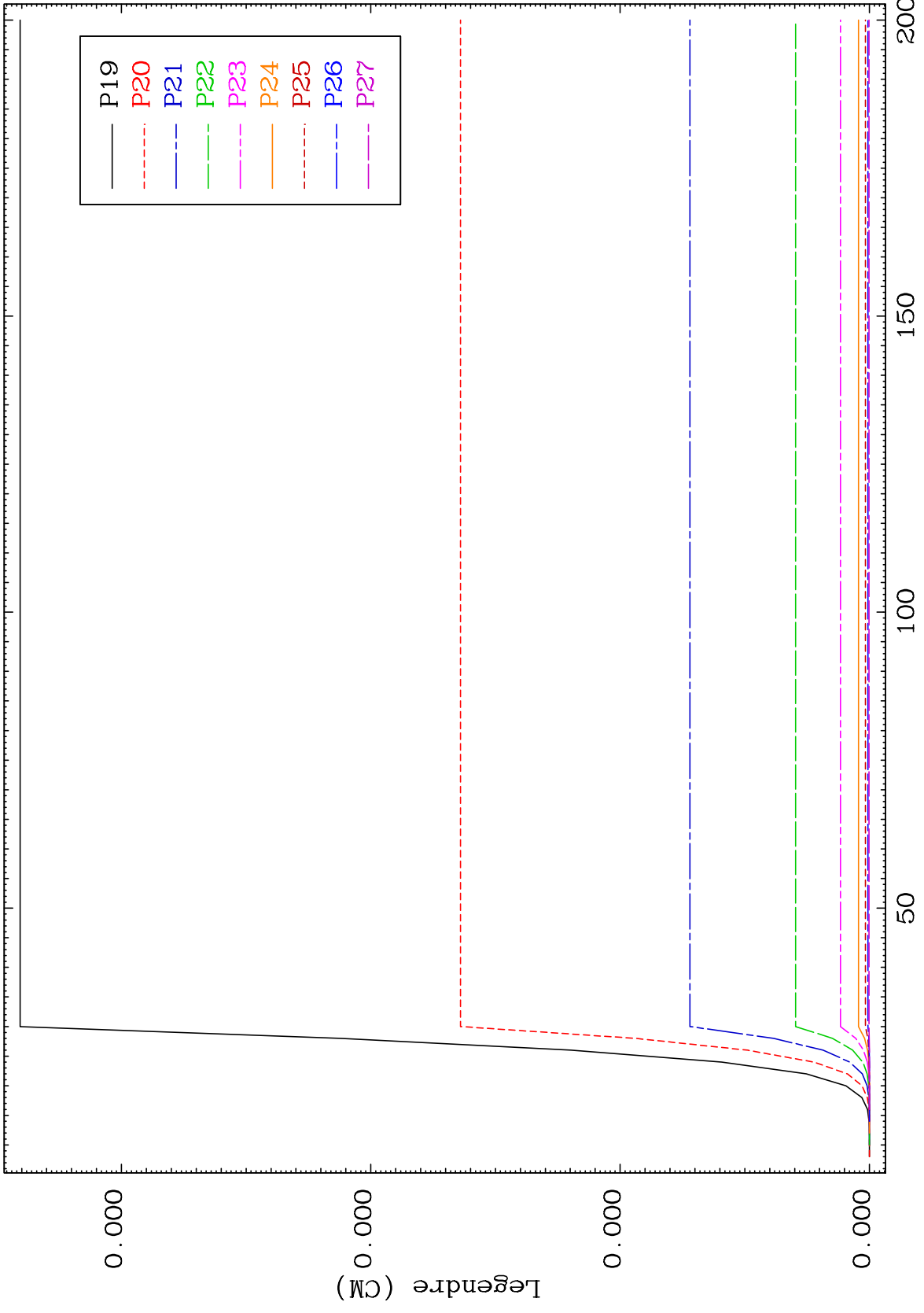


132

Incident Energy (MeV)

39-Y -99

MAT 3955 MT= 80 (n,n') Level Legendre Coefficients 39-Y -99

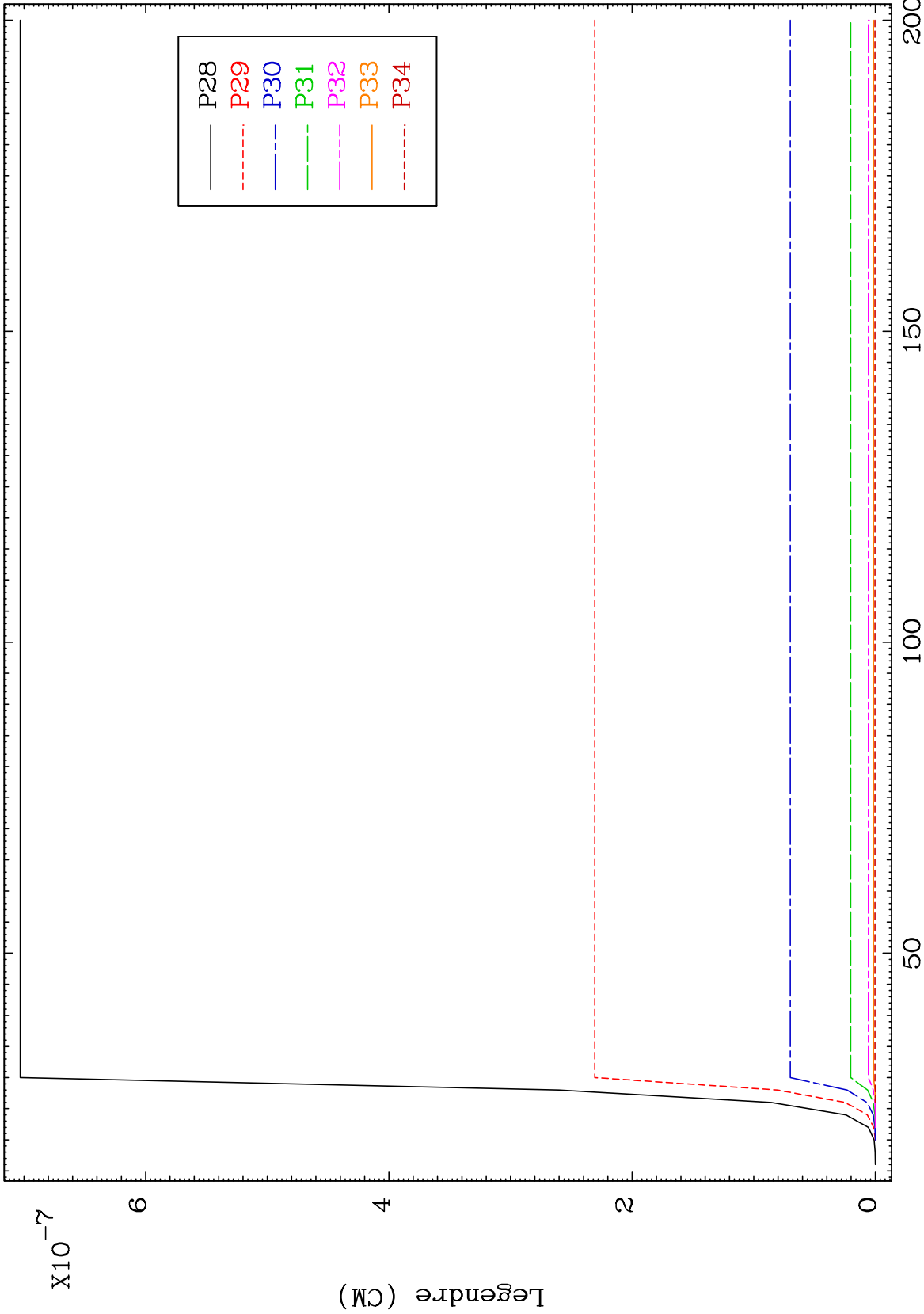


133 39-Y -99

MAT 3955

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

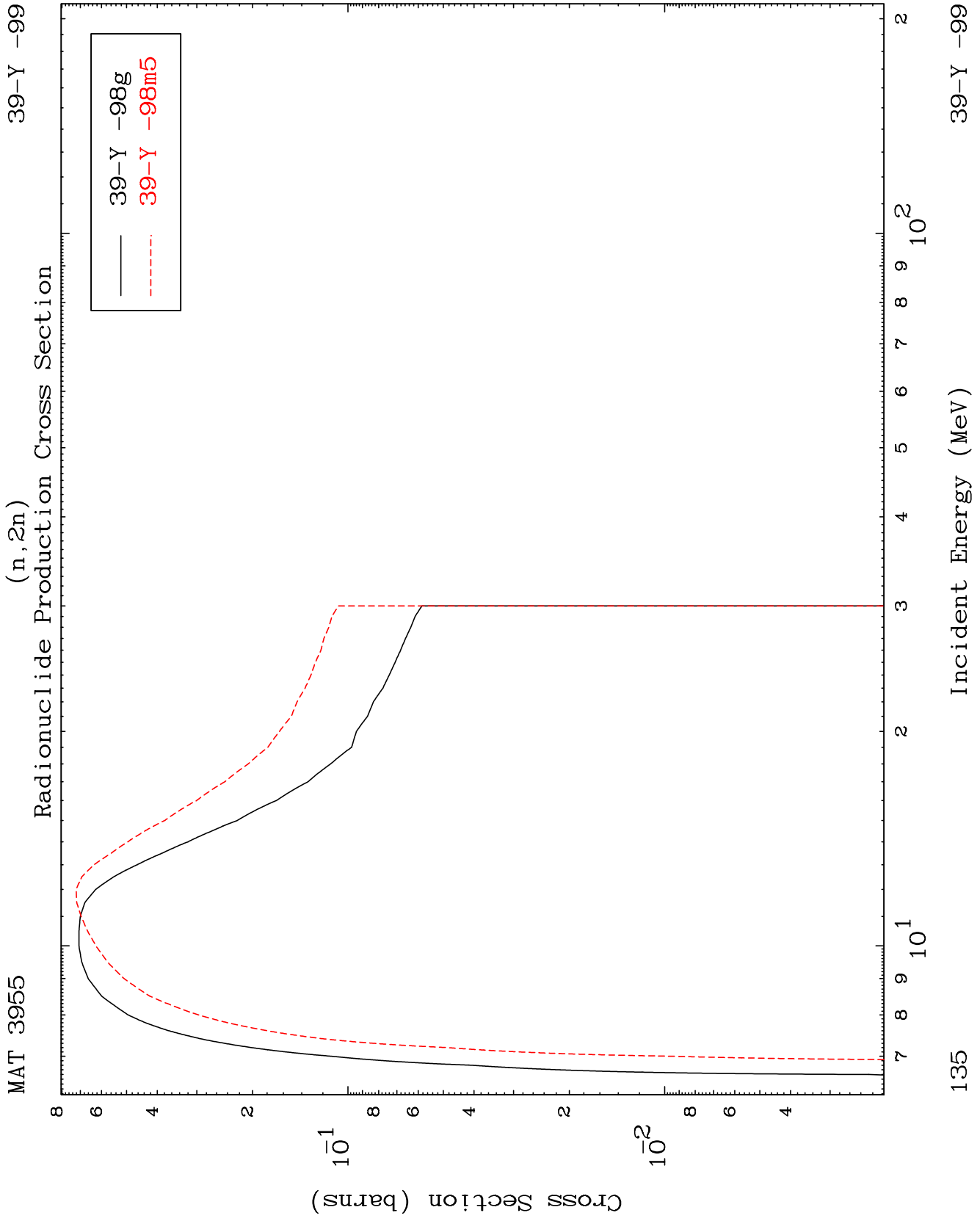
39-Y -99

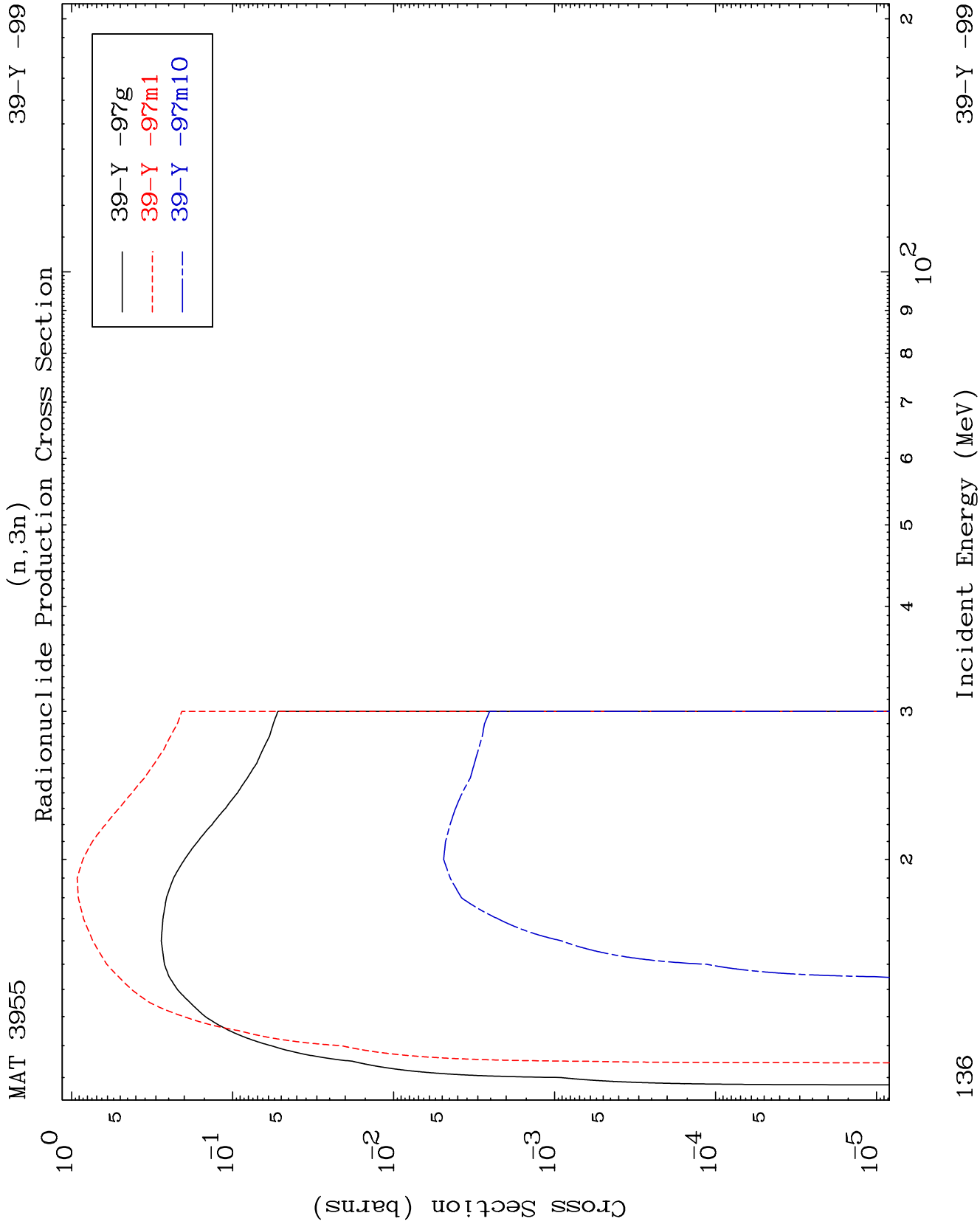


134

Incident Energy (MeV)

39-Y -99

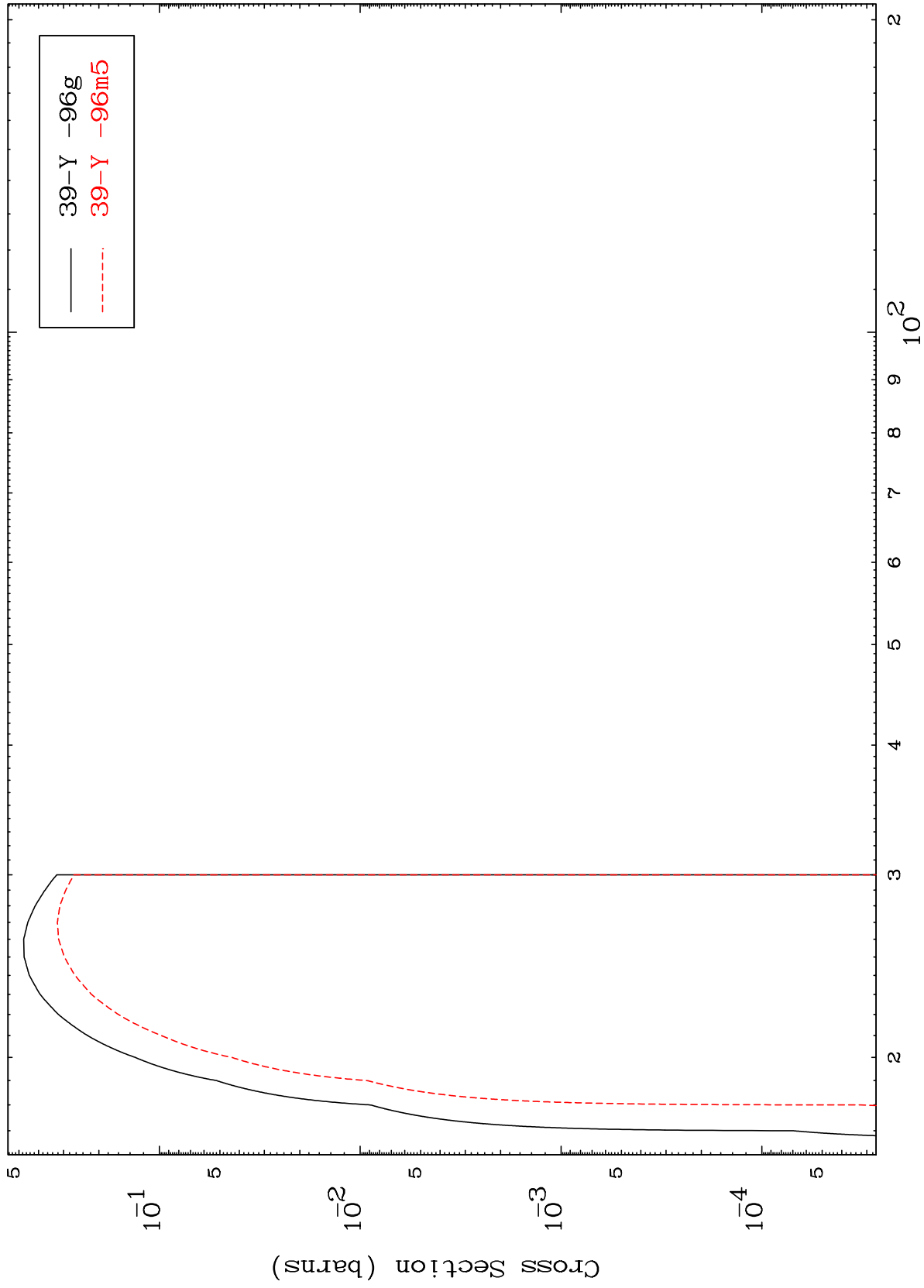




MAT 3955

39-Y -99

(n,4n)
Radionuclide Production Cross Section



137

Incident Energy (MeV)

39-Y -99

MAT 3955

39-Y -99

Radionuclide Production Cross Section (n,γ)

