

Program EVALPLOT
(Version 2018-1)

by

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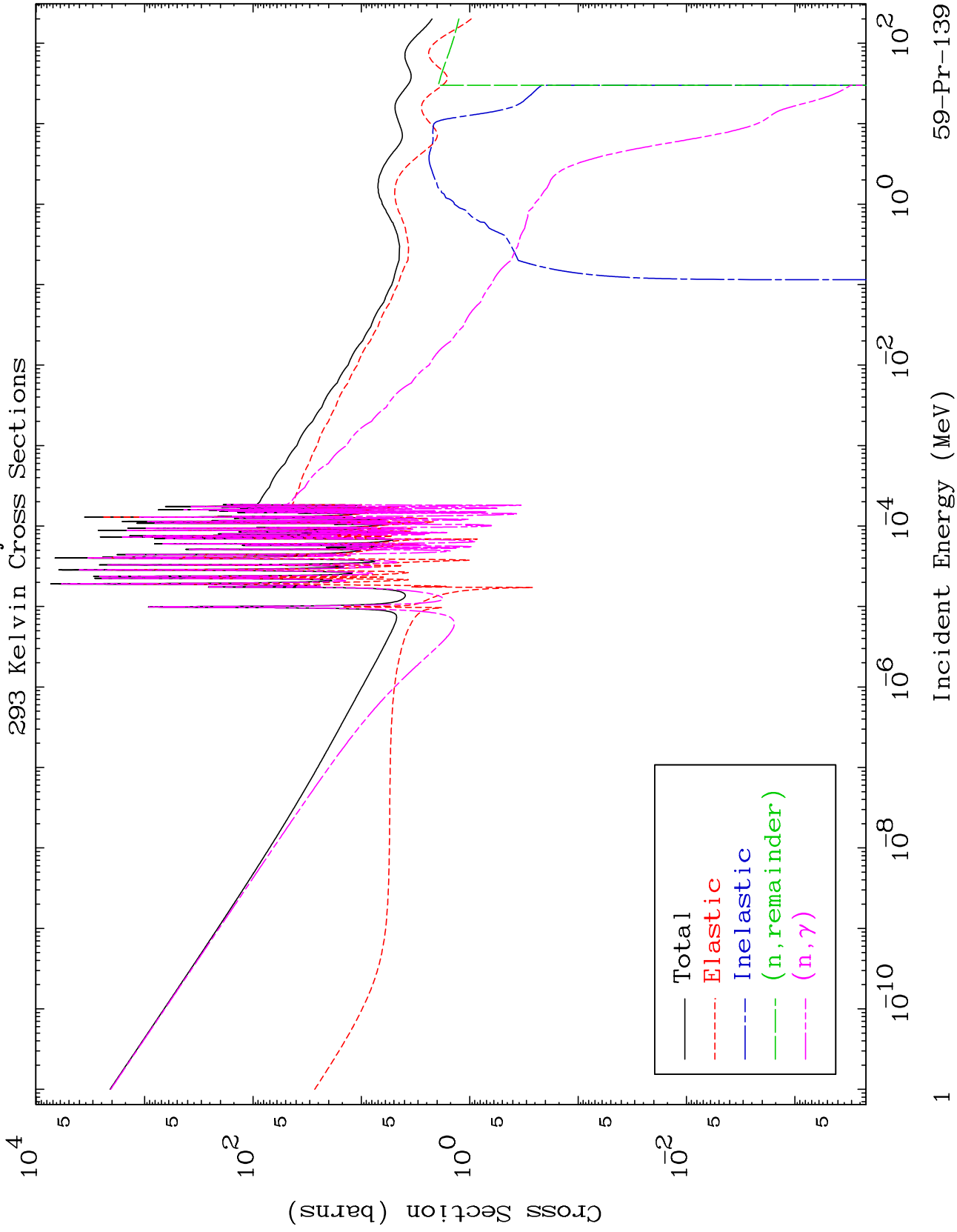
Press Mouse Button to Start

MAT 5919

Major

293 Kelvin Cross Sections

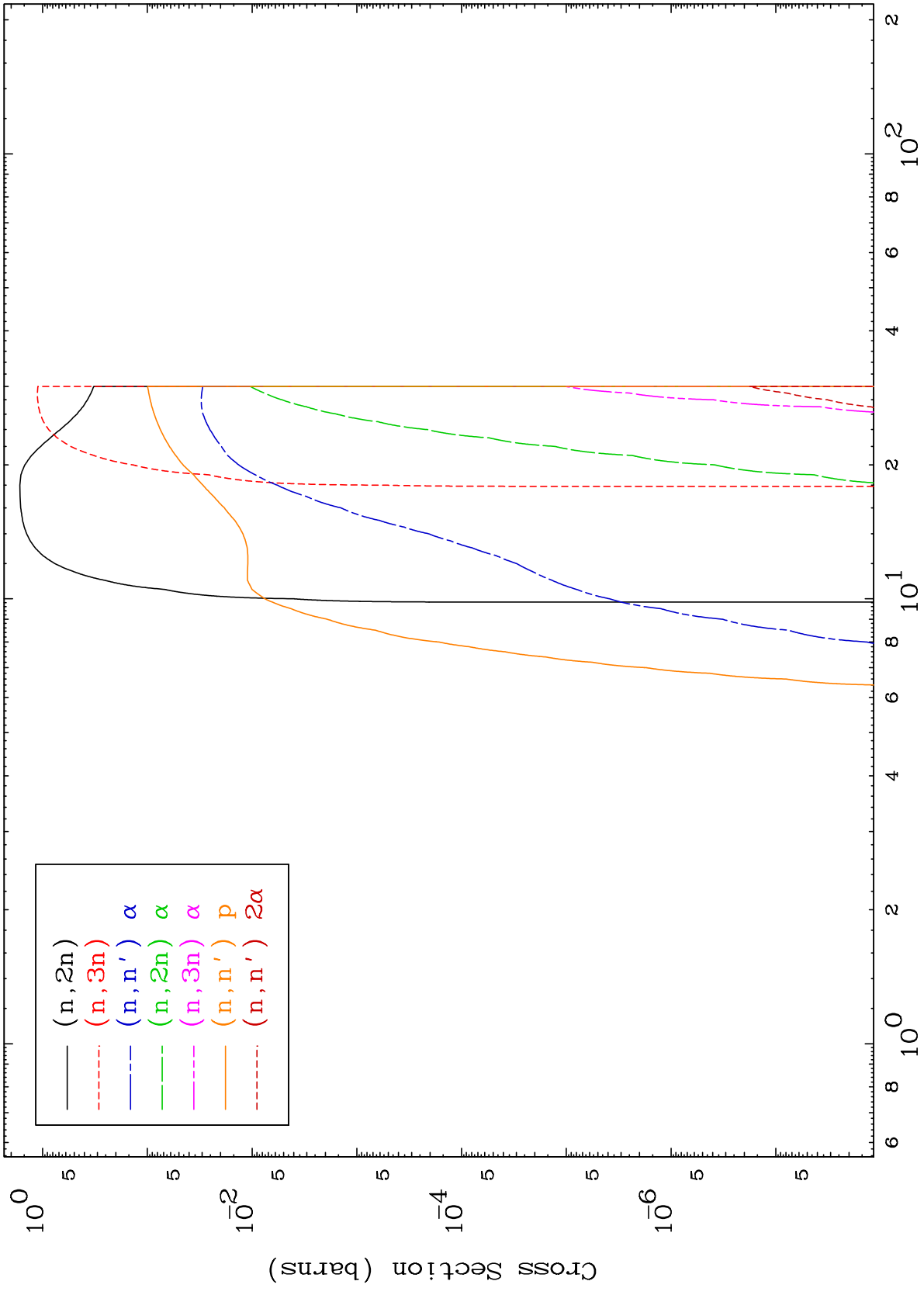
59-Pr-139



MAT 5919

Neutron Production
293 Kelvin Cross Sections

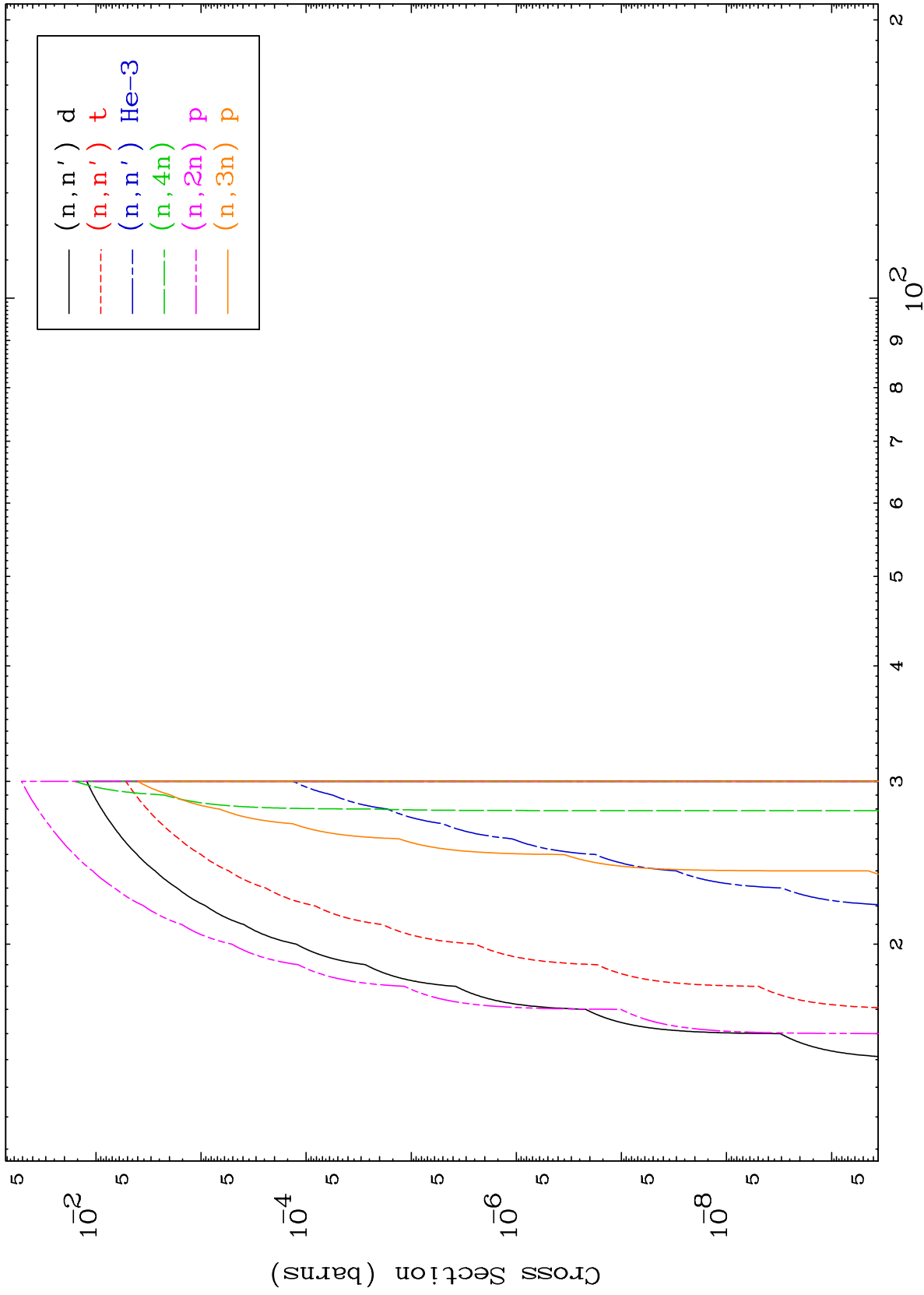
59-Pr-139

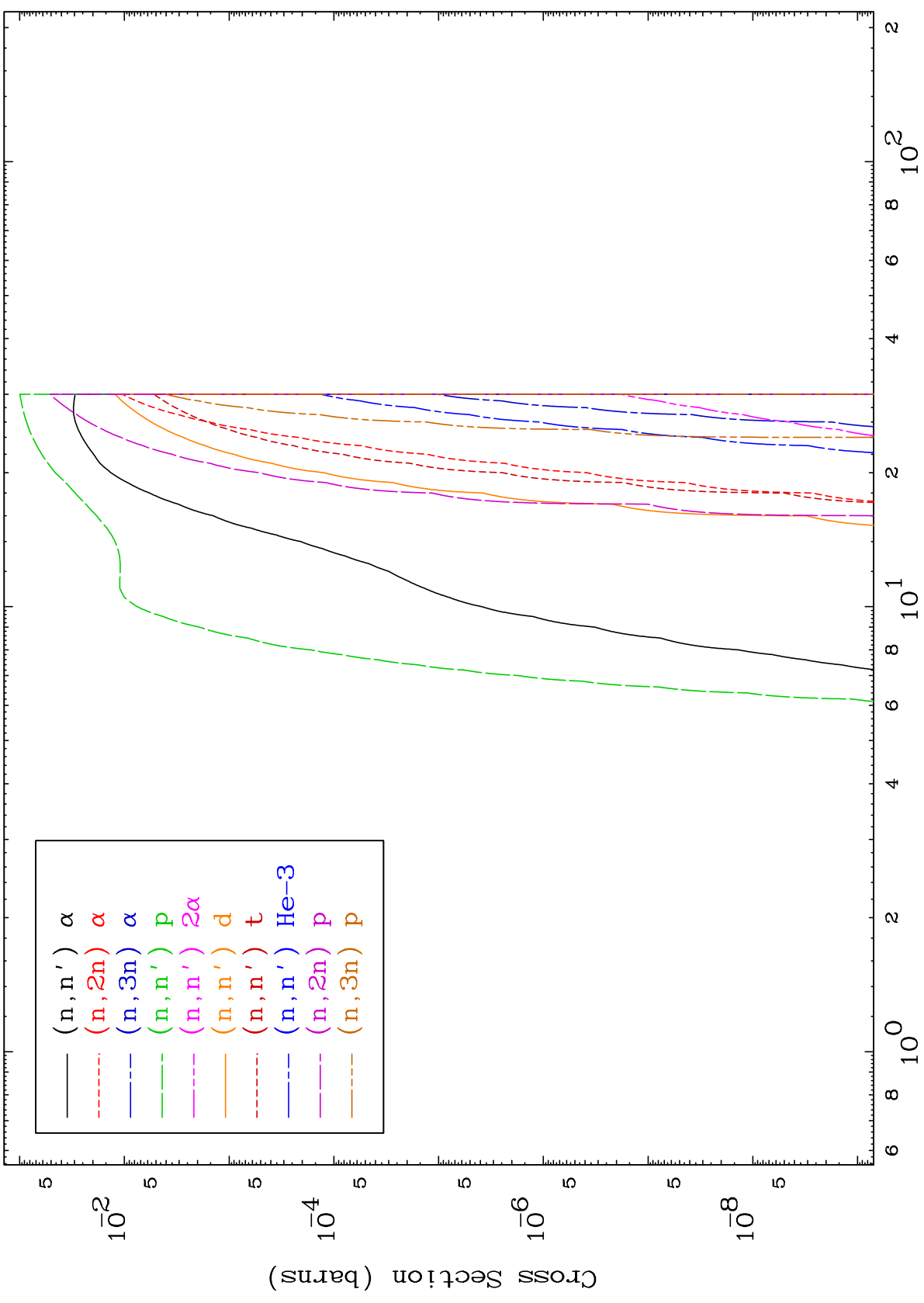


2

Incident Energy (MeV)

59-Pr-139

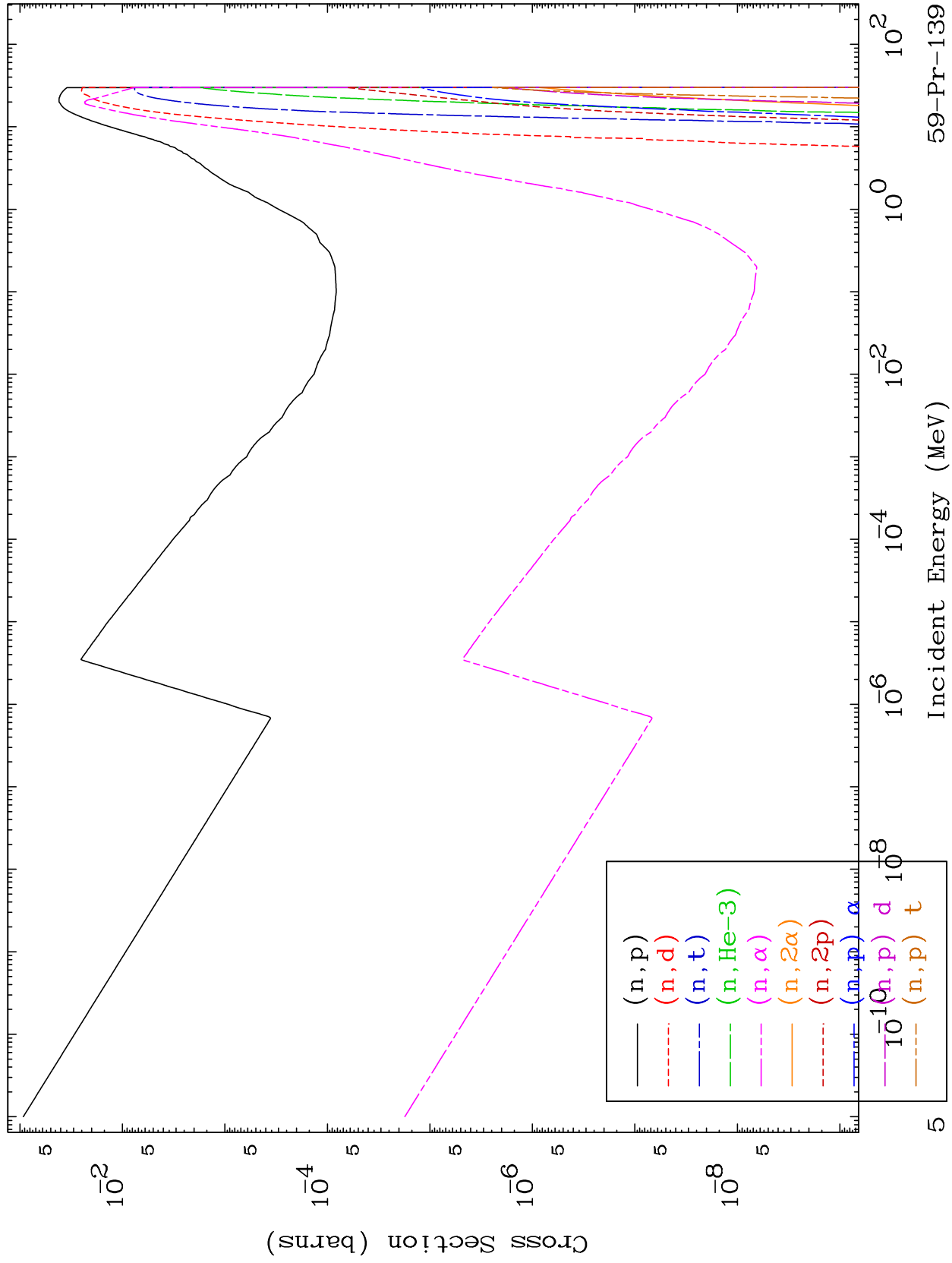


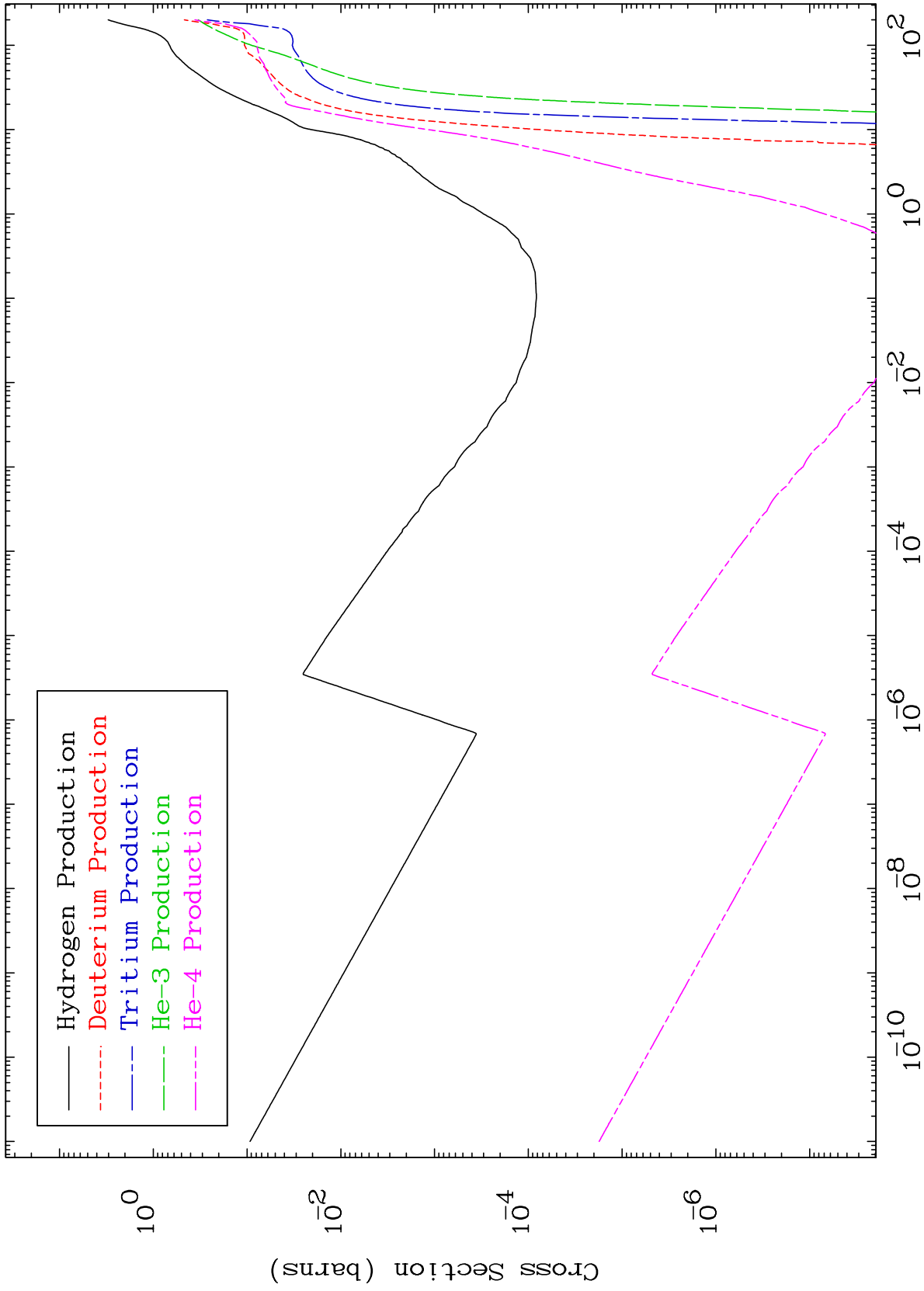


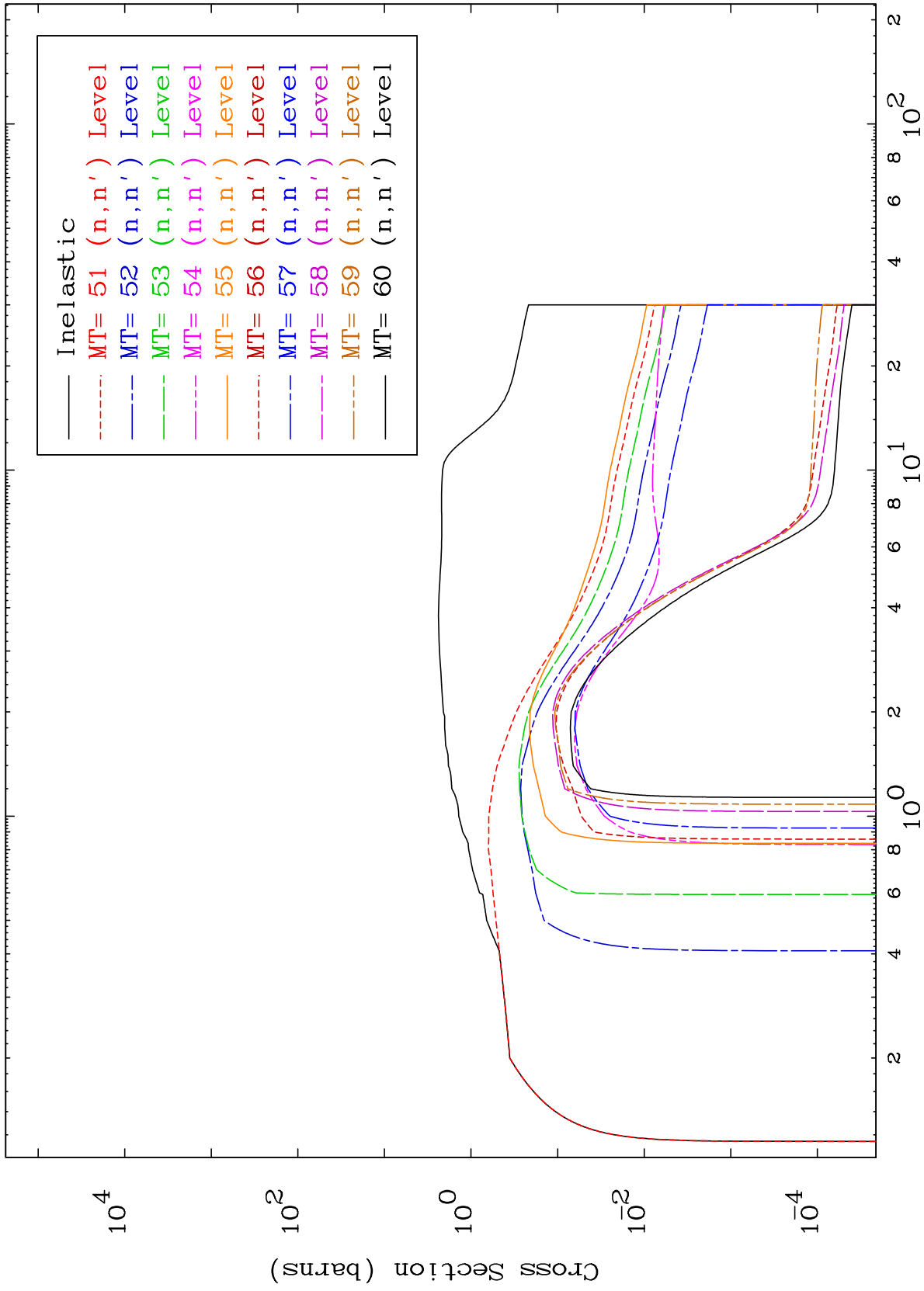
MAT 5919

Charged Particle
293 Kelvin Cross Sections

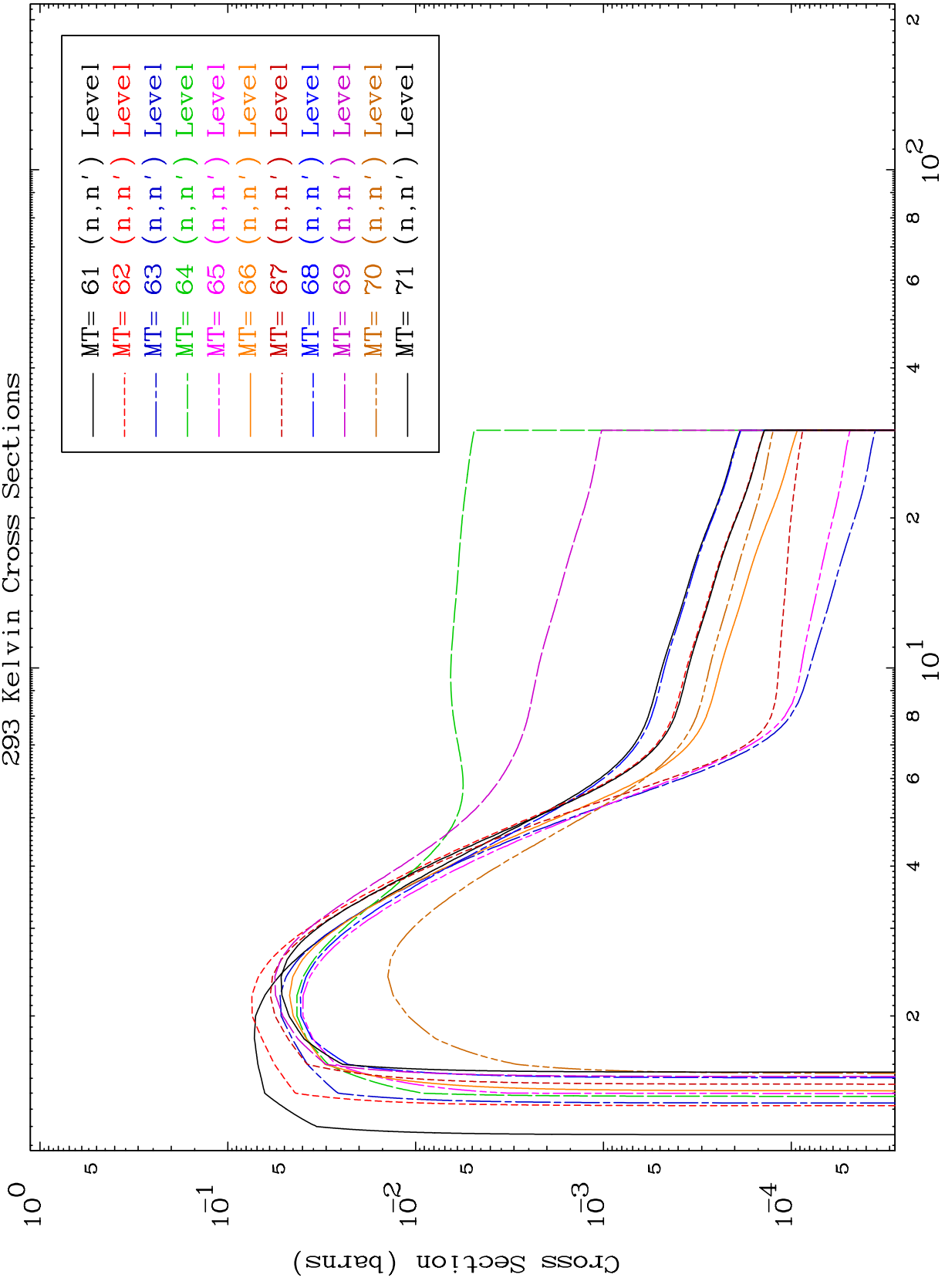
59-Pr-139

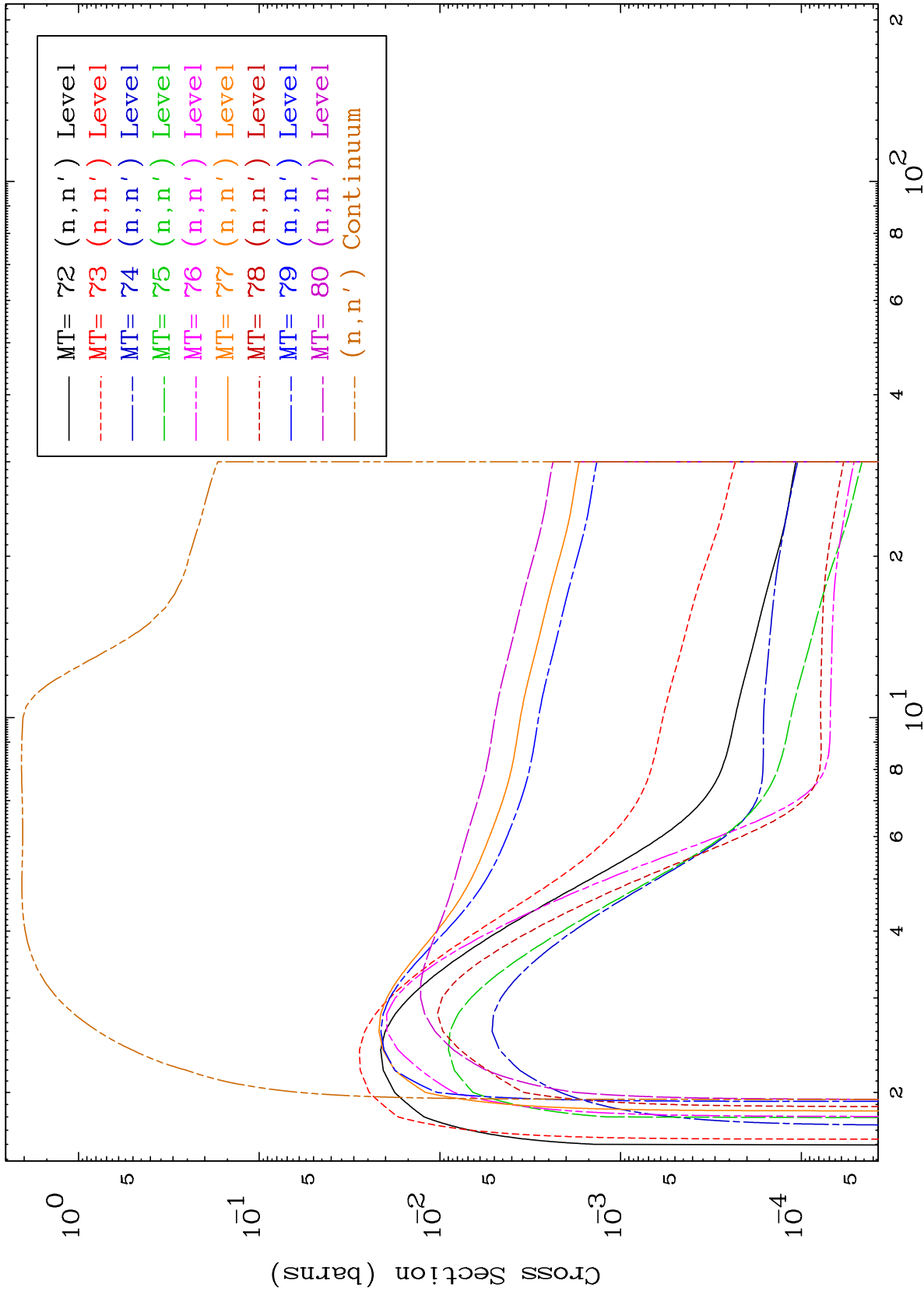






293 Kelvin Cross Sections

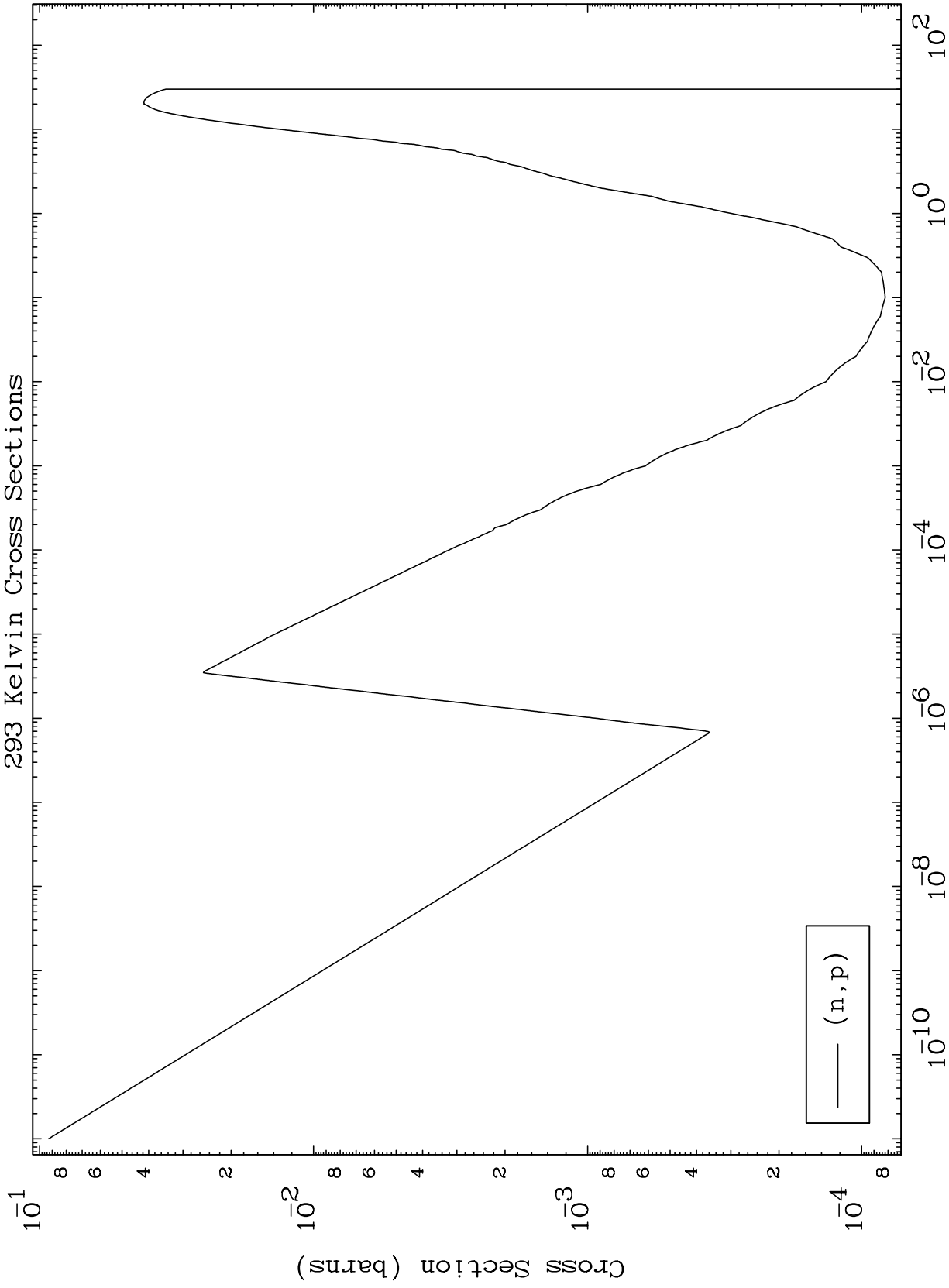




MAT 5919

(n,p) Levels
293 Kelvin Cross Sections

59-Pr-139

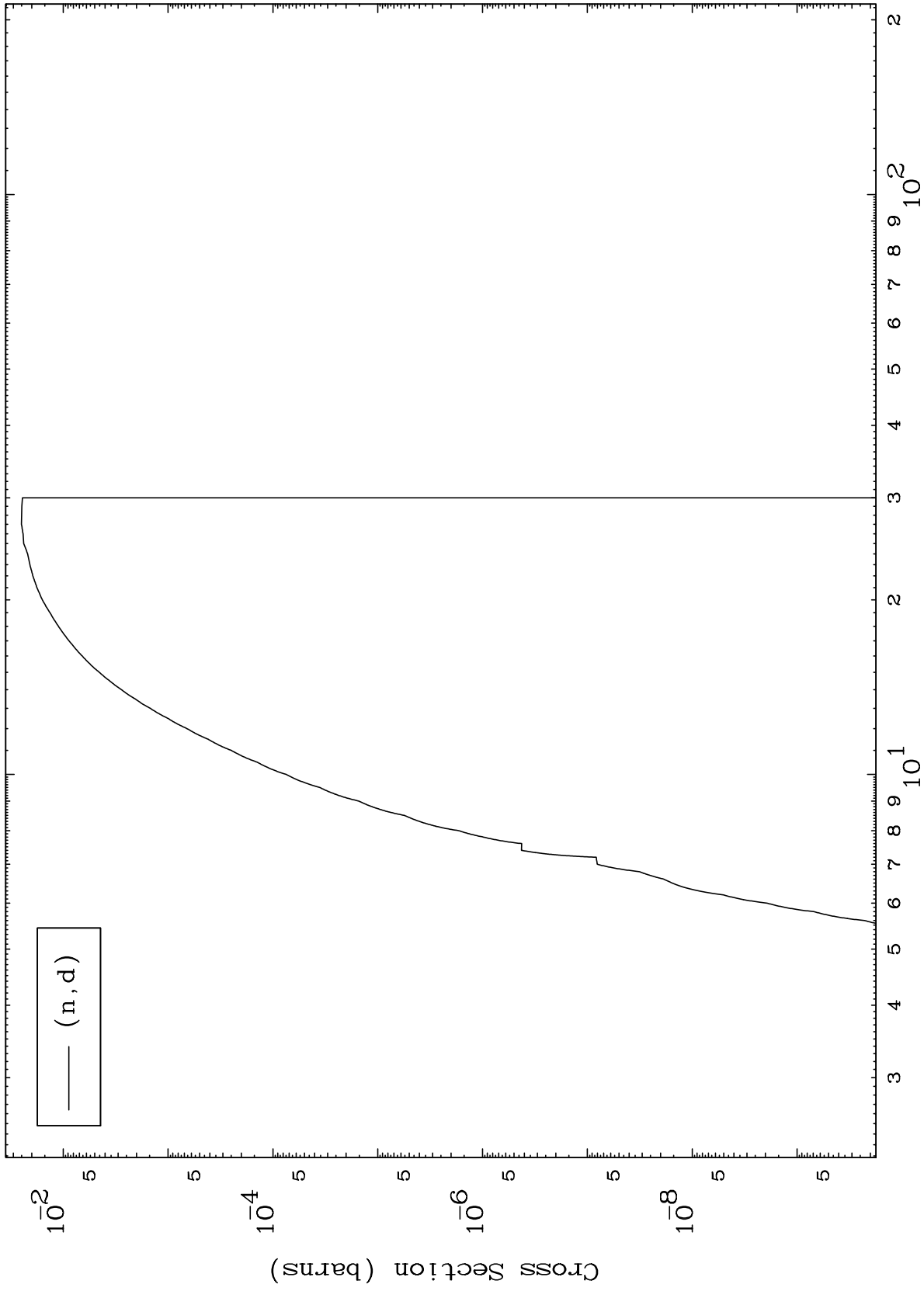


10

Incident Energy (MeV)

59-Pr-139

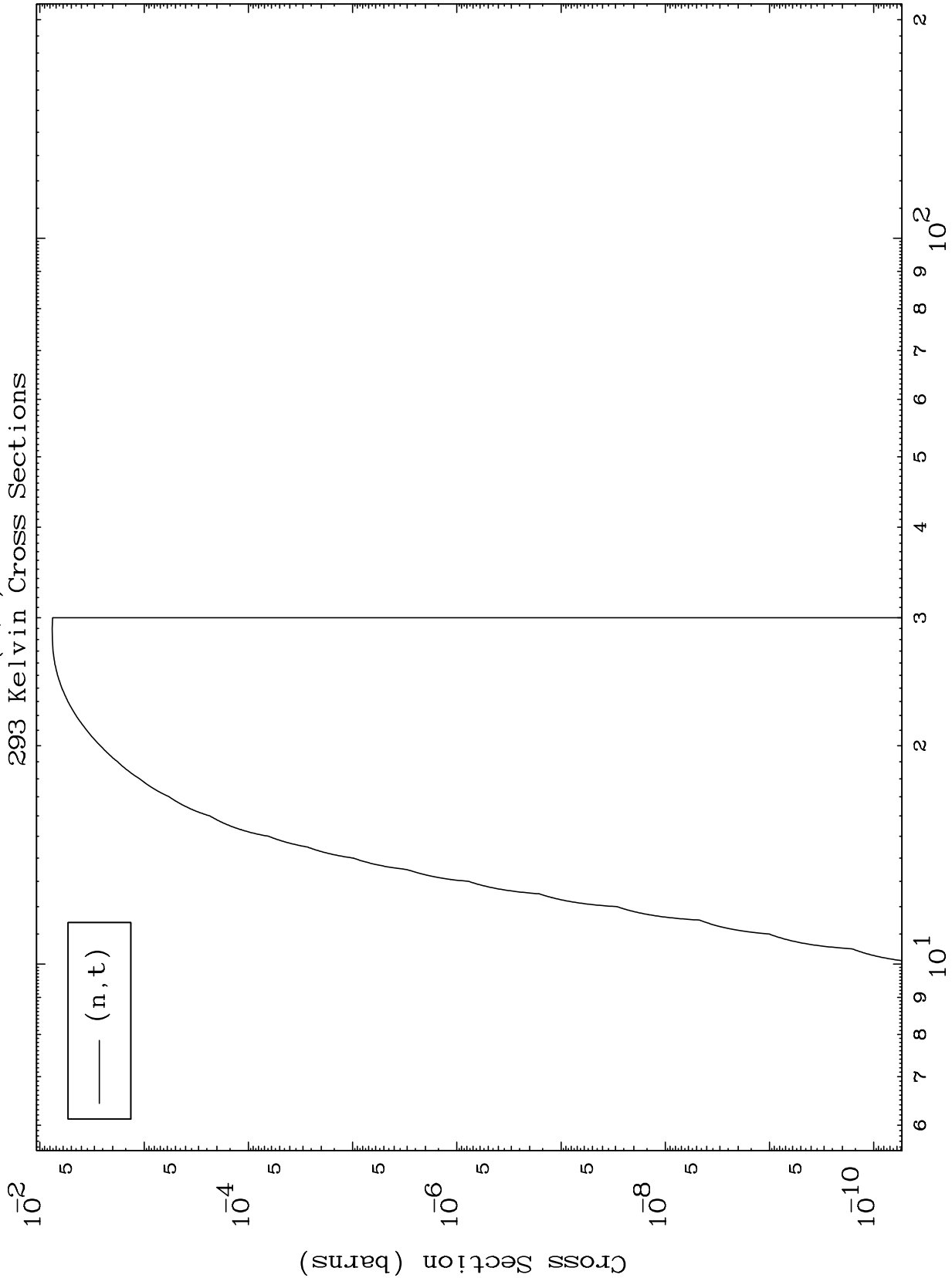
— (n, p)



MAT 5919

(n,t) Levels
293 Kelvin Cross Sections

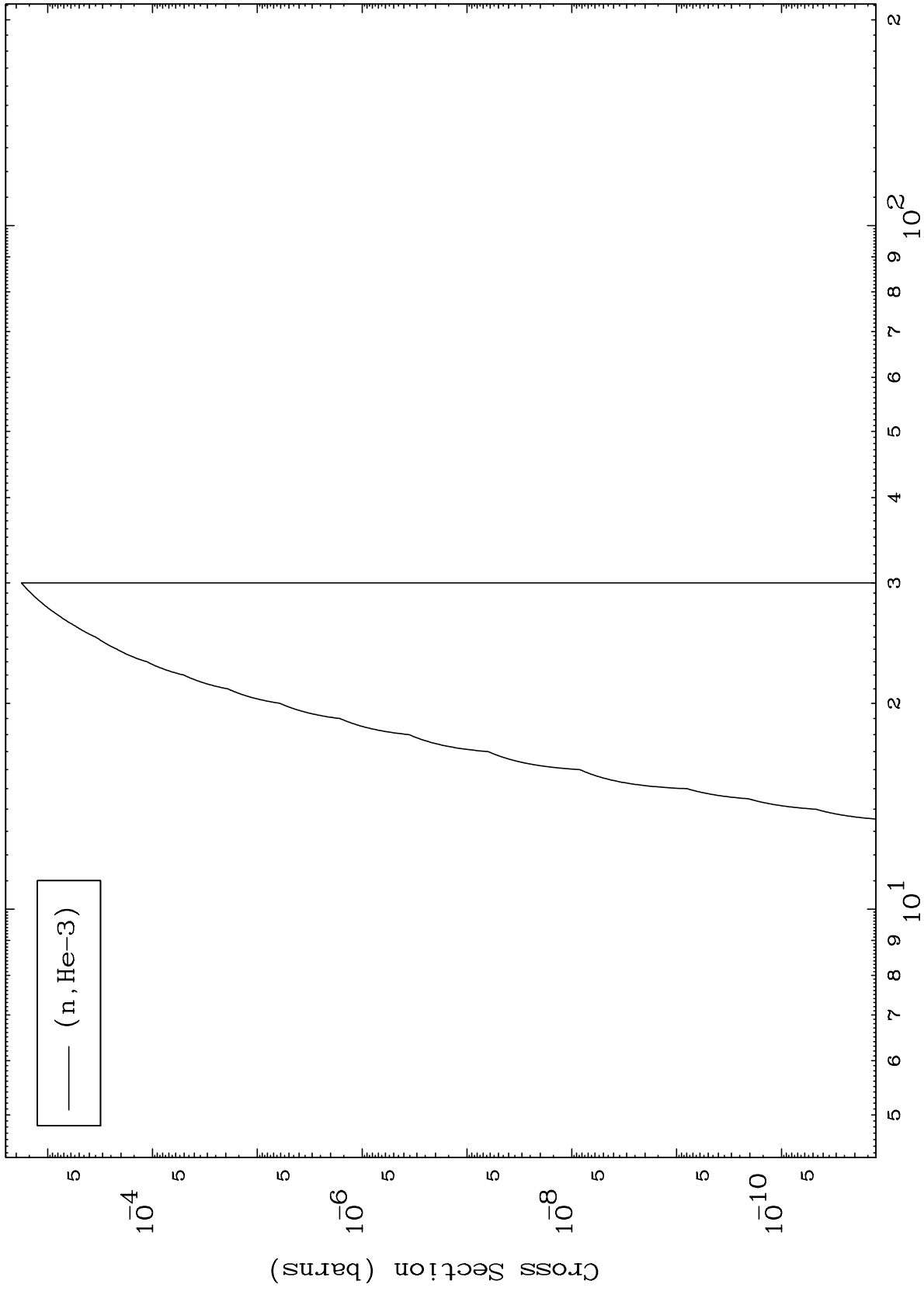
59-Pr-139



12

Incident Energy (MeV)

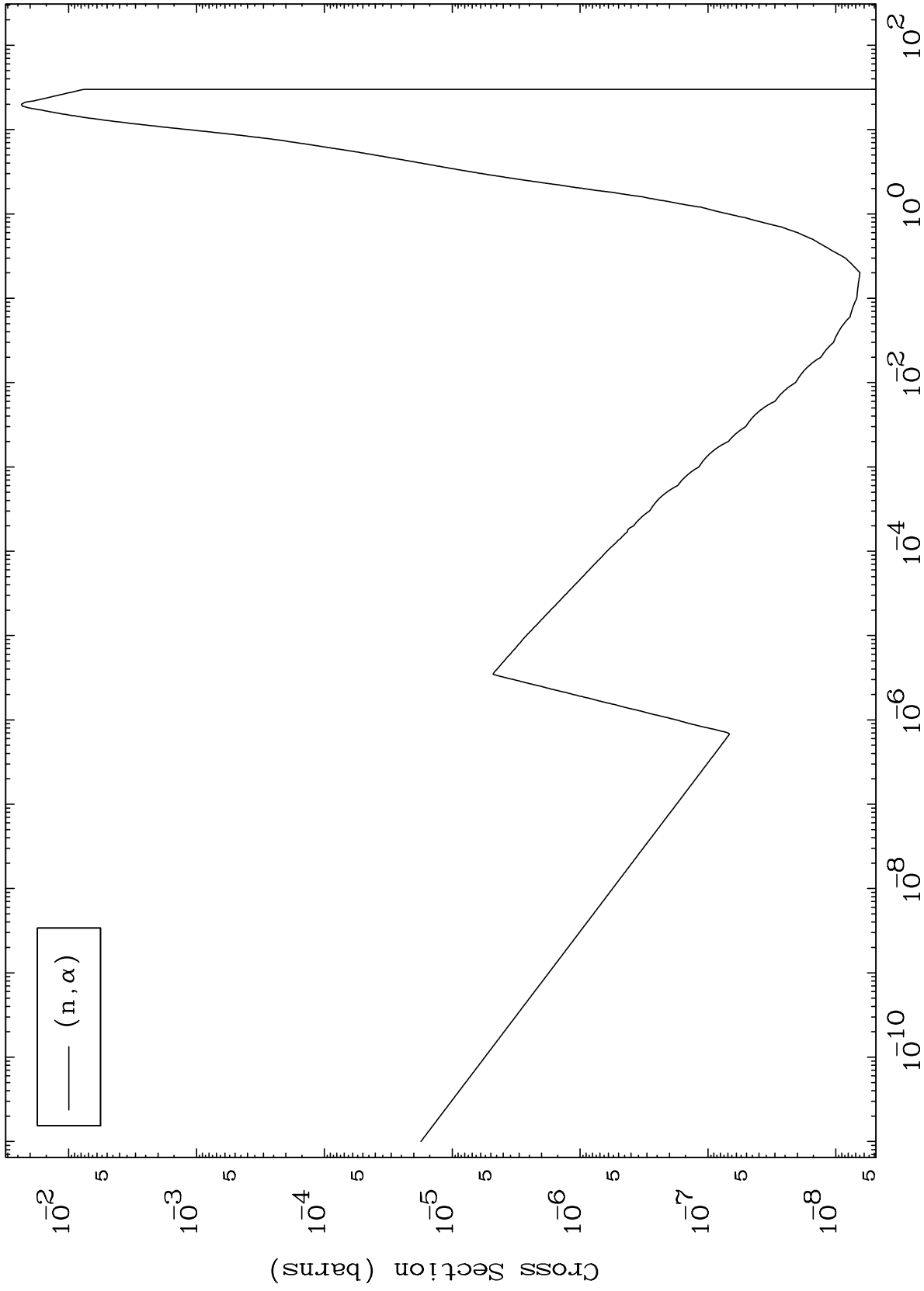
59-Pr-139



MAT 5919

(n,α) Levels
293 Kelvin Cross Sections

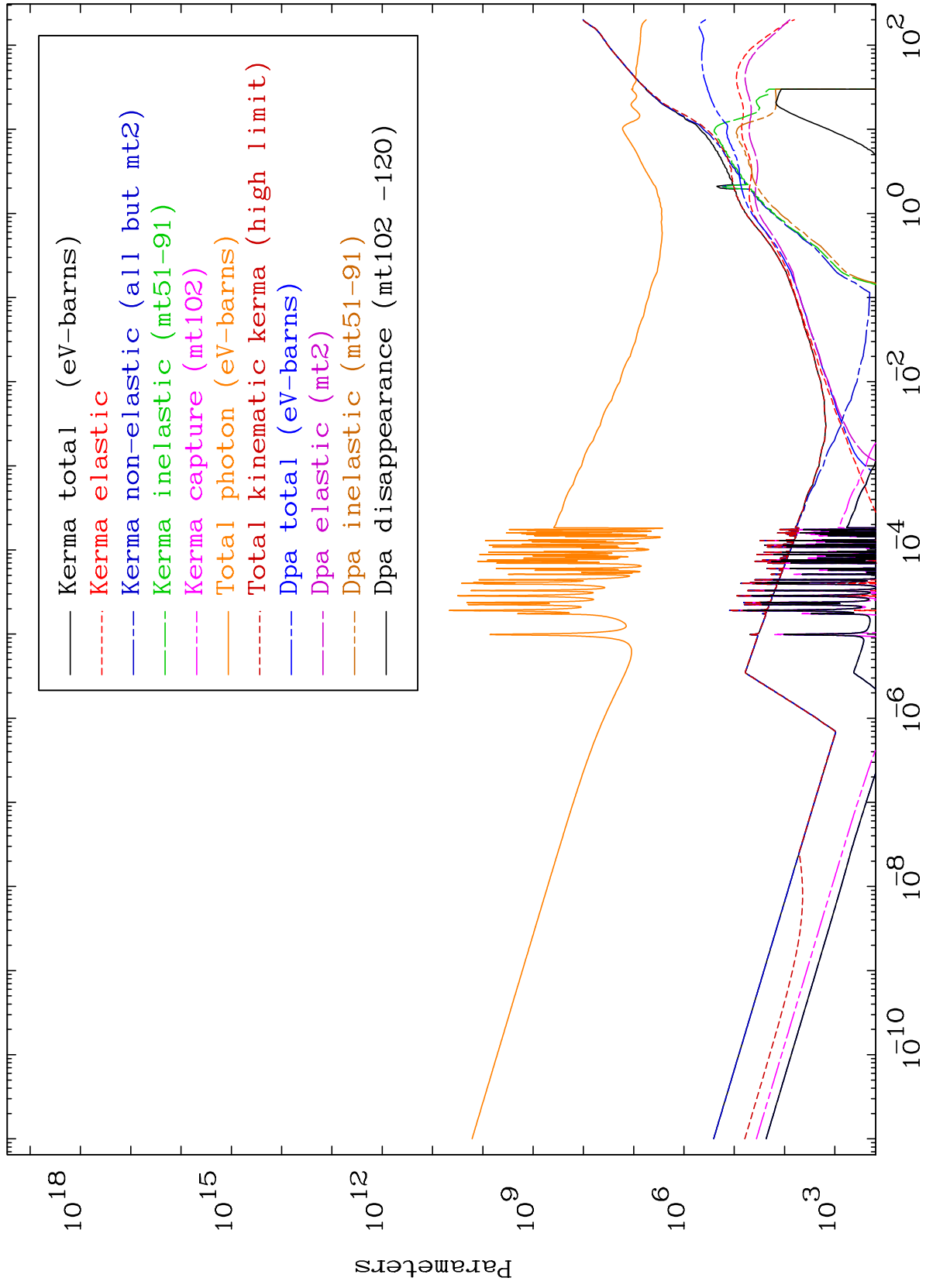
59-Pr-139



14

Incident Energy (MeV)

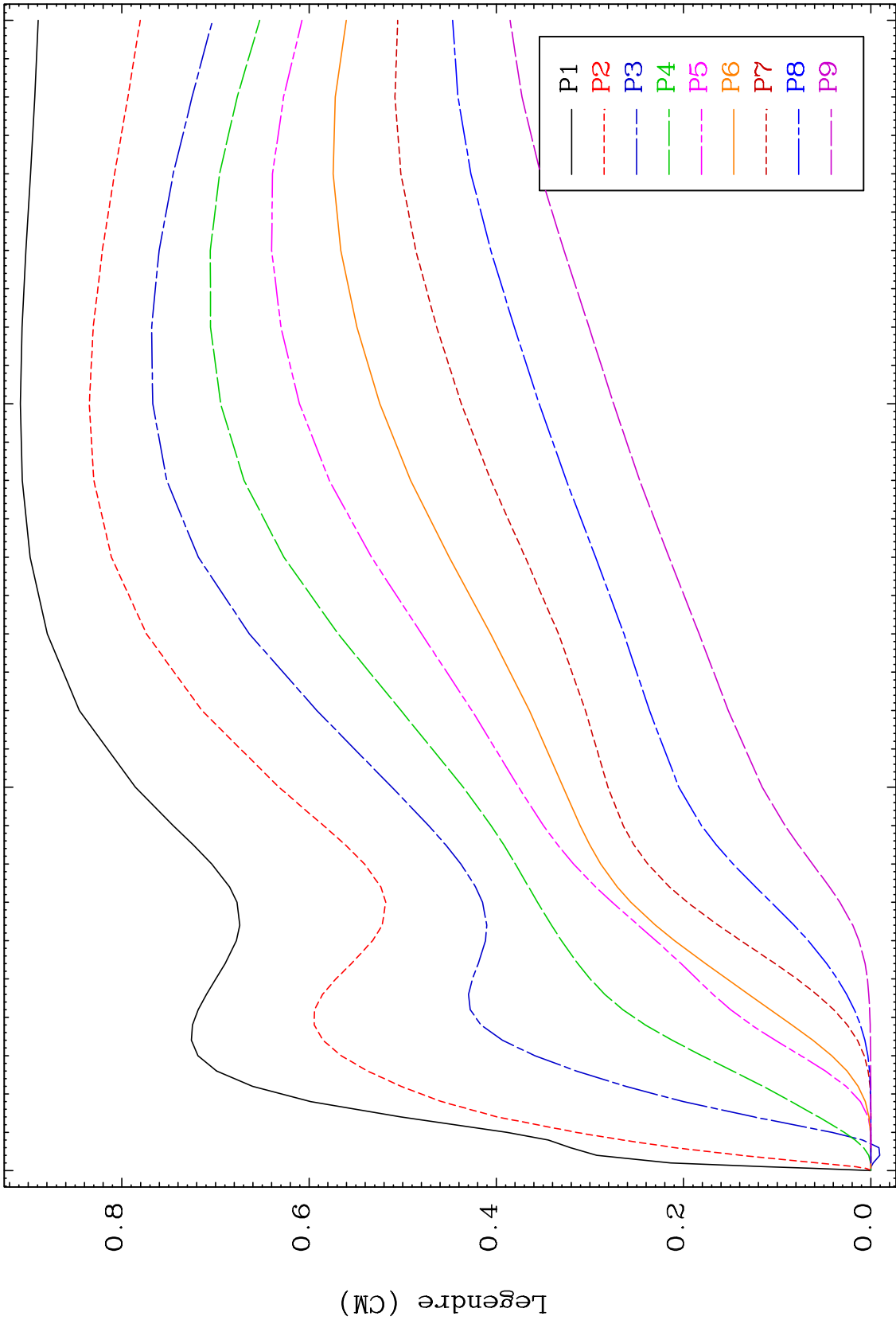
59-Pr-139



MAT 5919

59-Pr-139

Elastic Legendre Coefficients



16

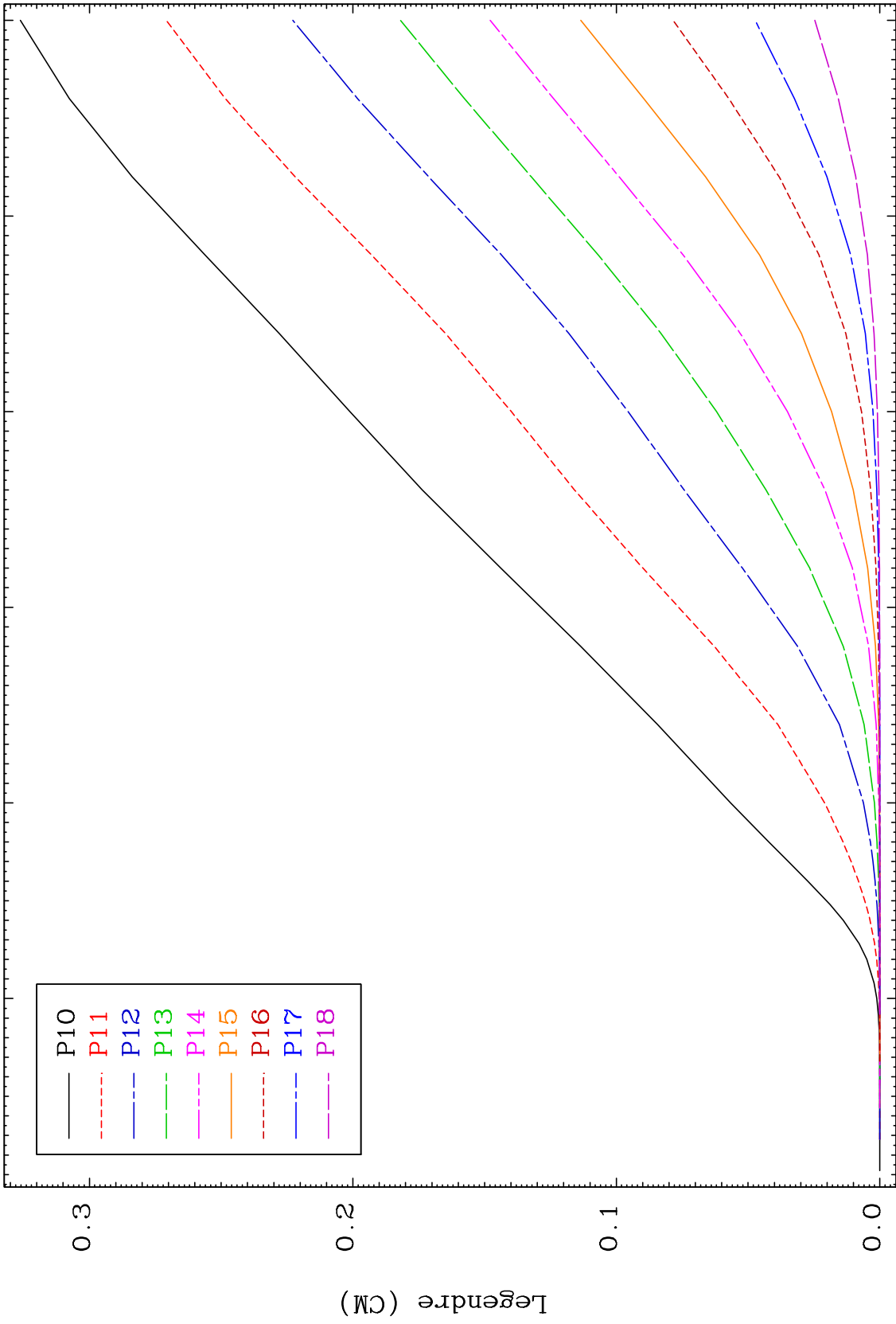
Incident Energy (MeV)

59-Pr-139

MAT 5919

Elastic Legendre Coefficients

59-Pr-139



17

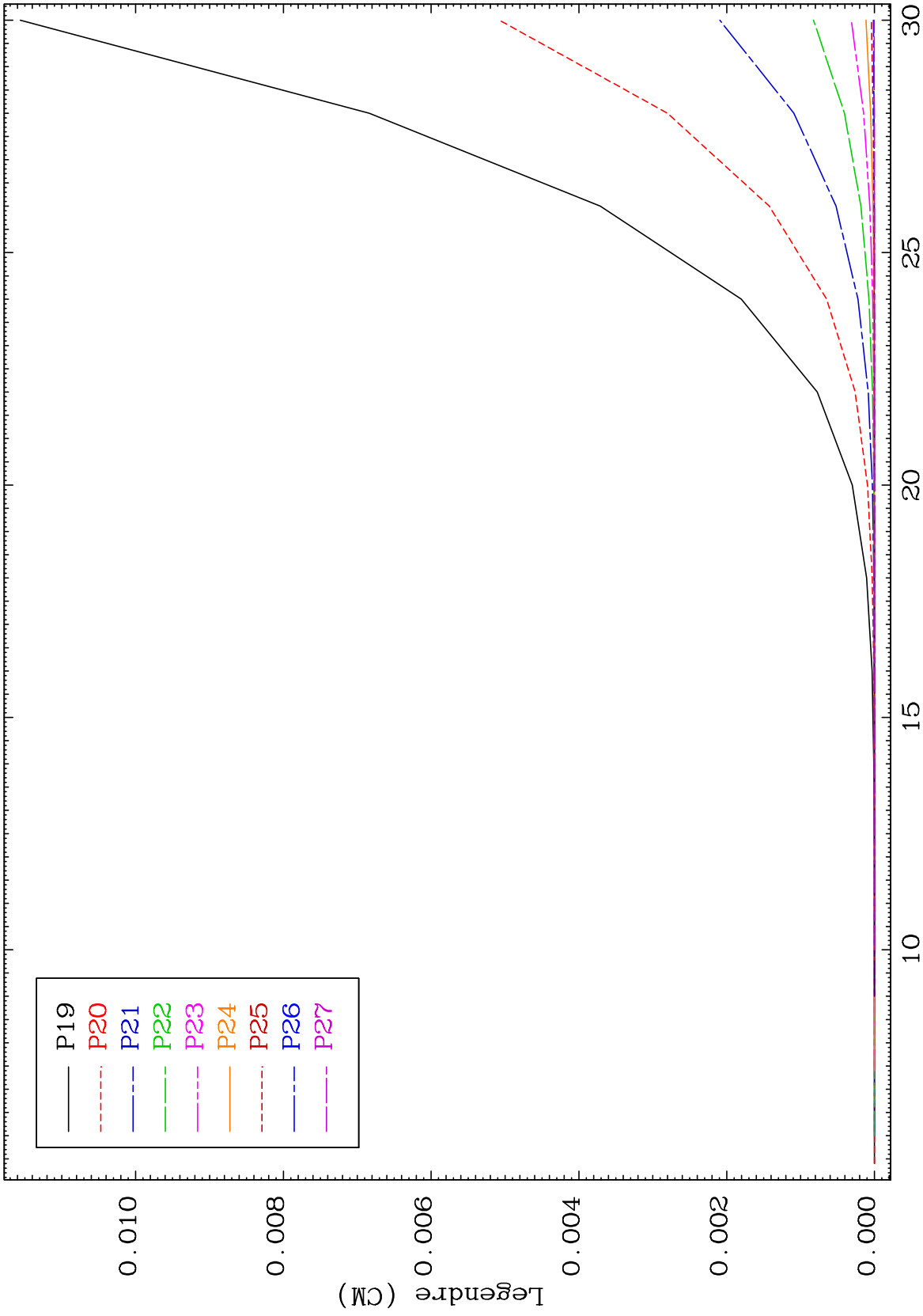
Incident Energy (MeV)

59-Pr-139

MAT 5919

Elastic Legendre Coefficients

59-Pr-139



18

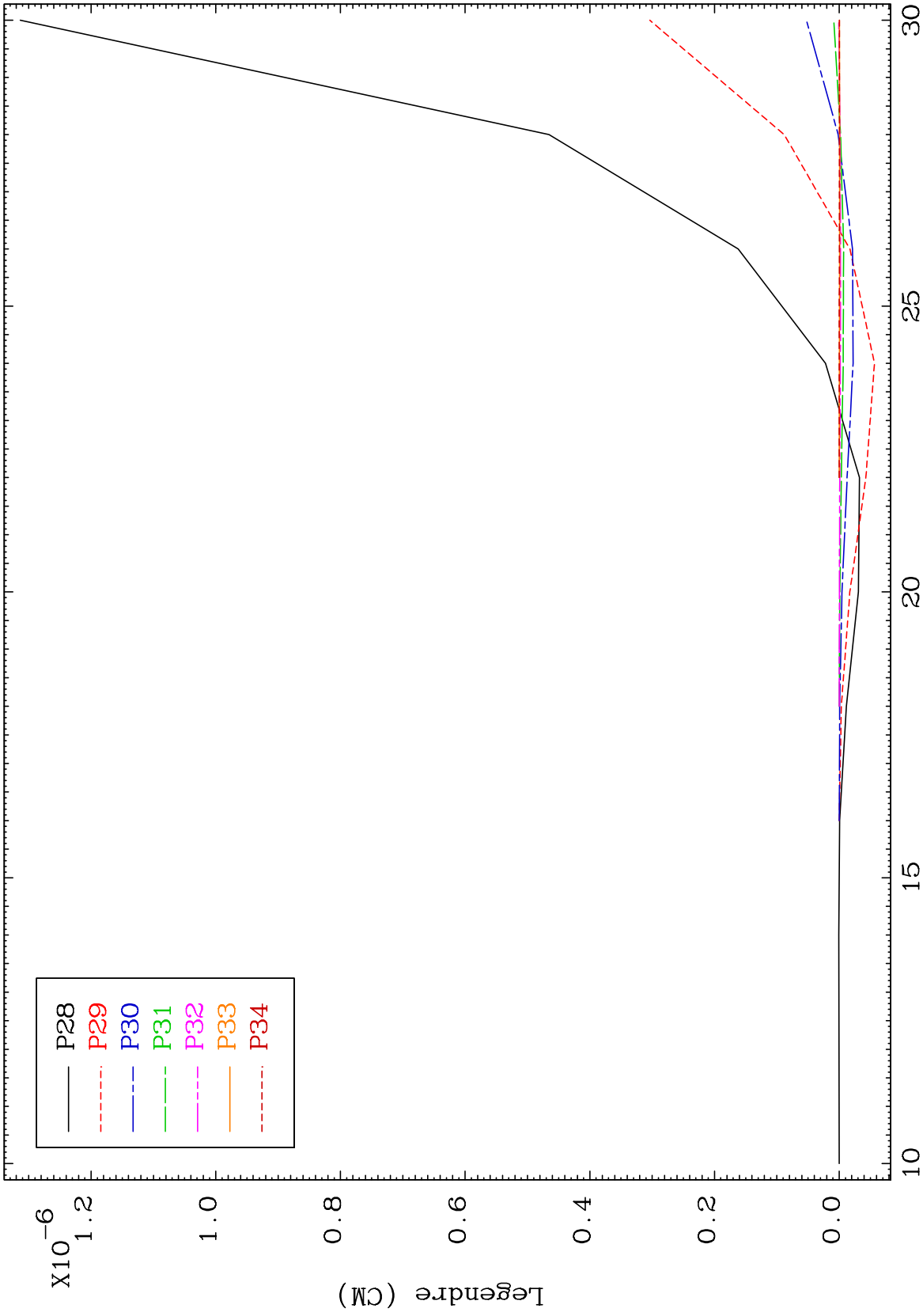
Incident Energy (MeV)

59-Pr-139

MAT 5919

Elastic Legendre Coefficients

59-Pr-139



19

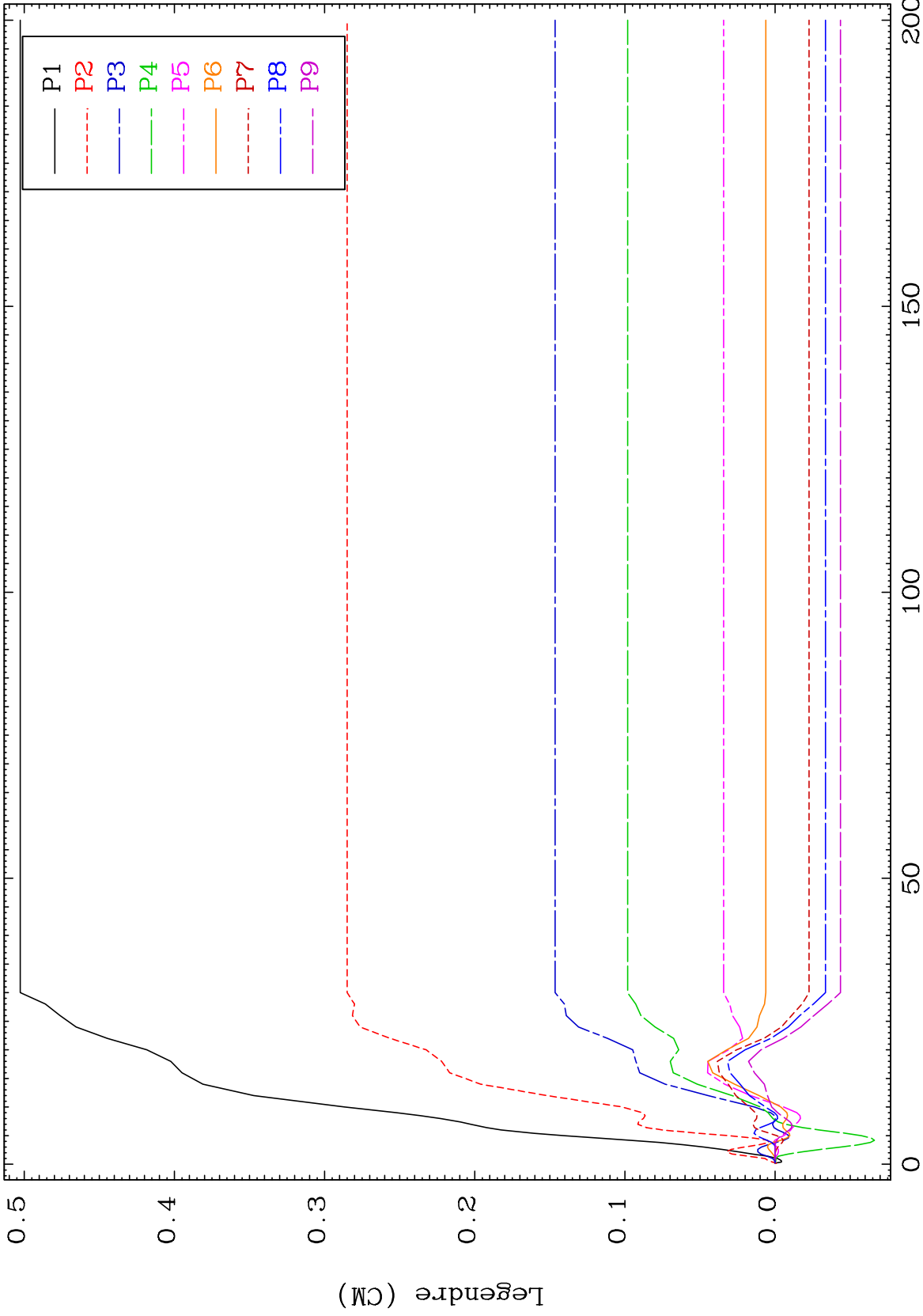
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



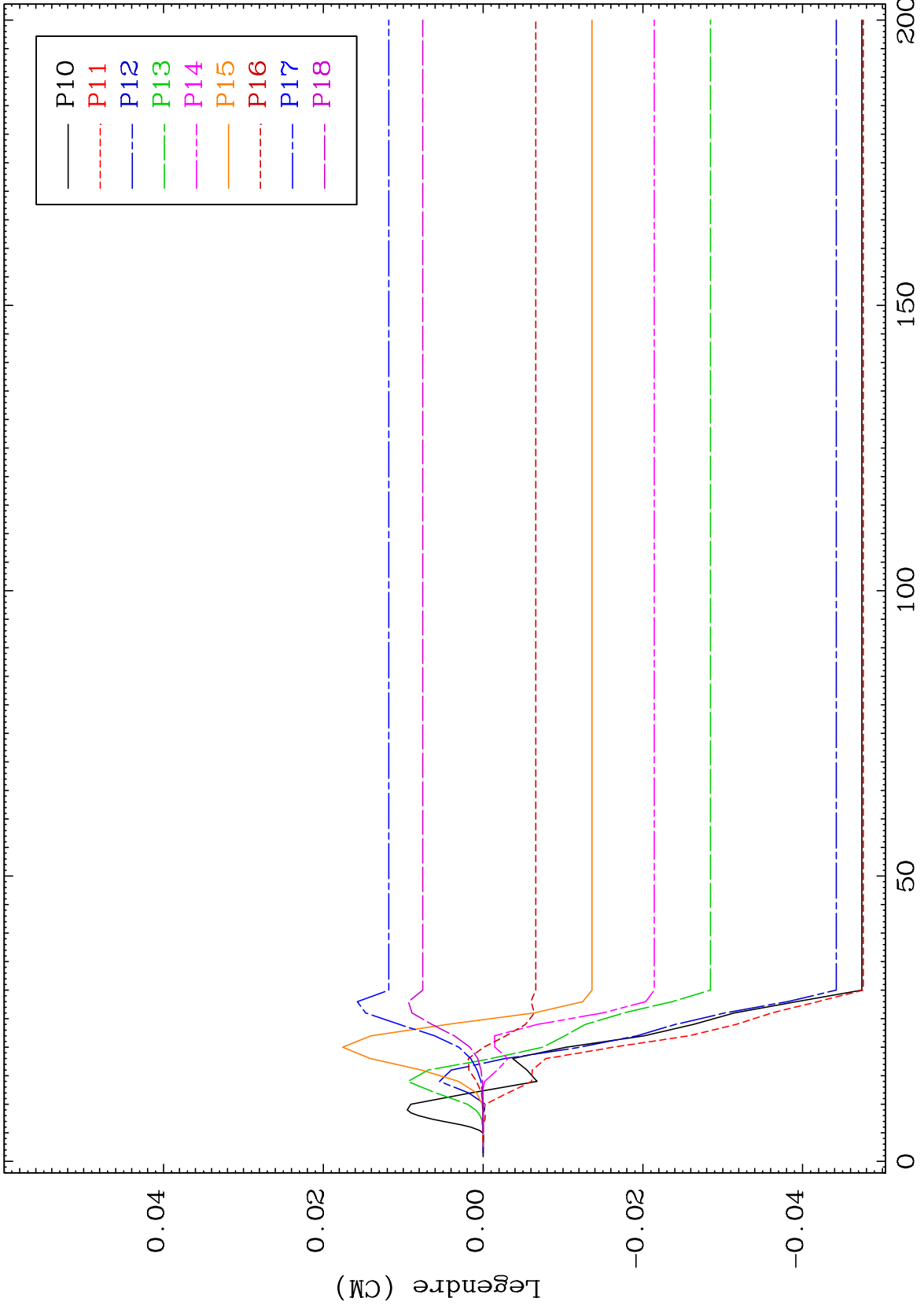
59-Pr-139

Incident Energy (MeV)

MAT 5919

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

59-Pr-139



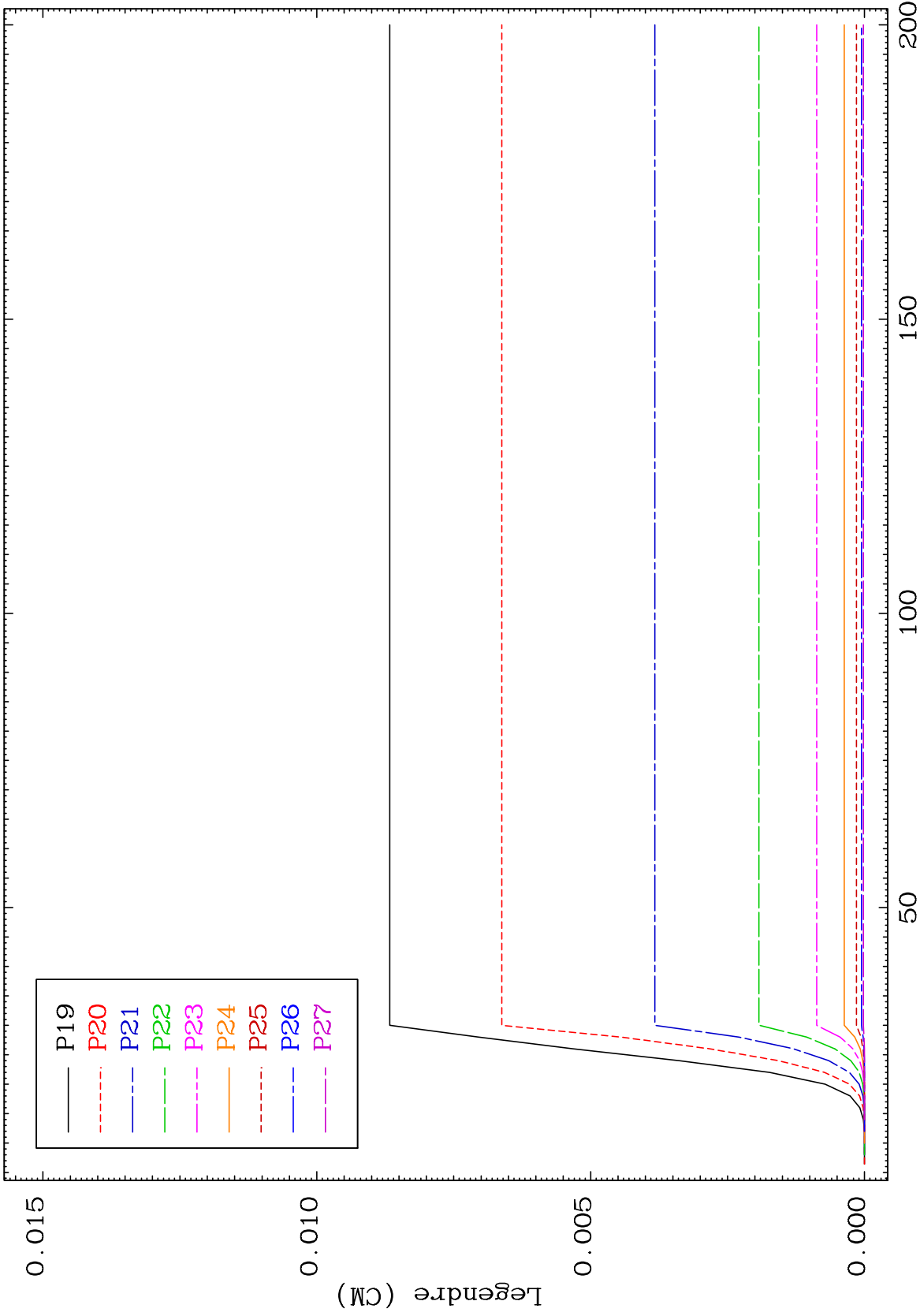
21

59-Pr-139

MAT 5919

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

59-Pr-139



22

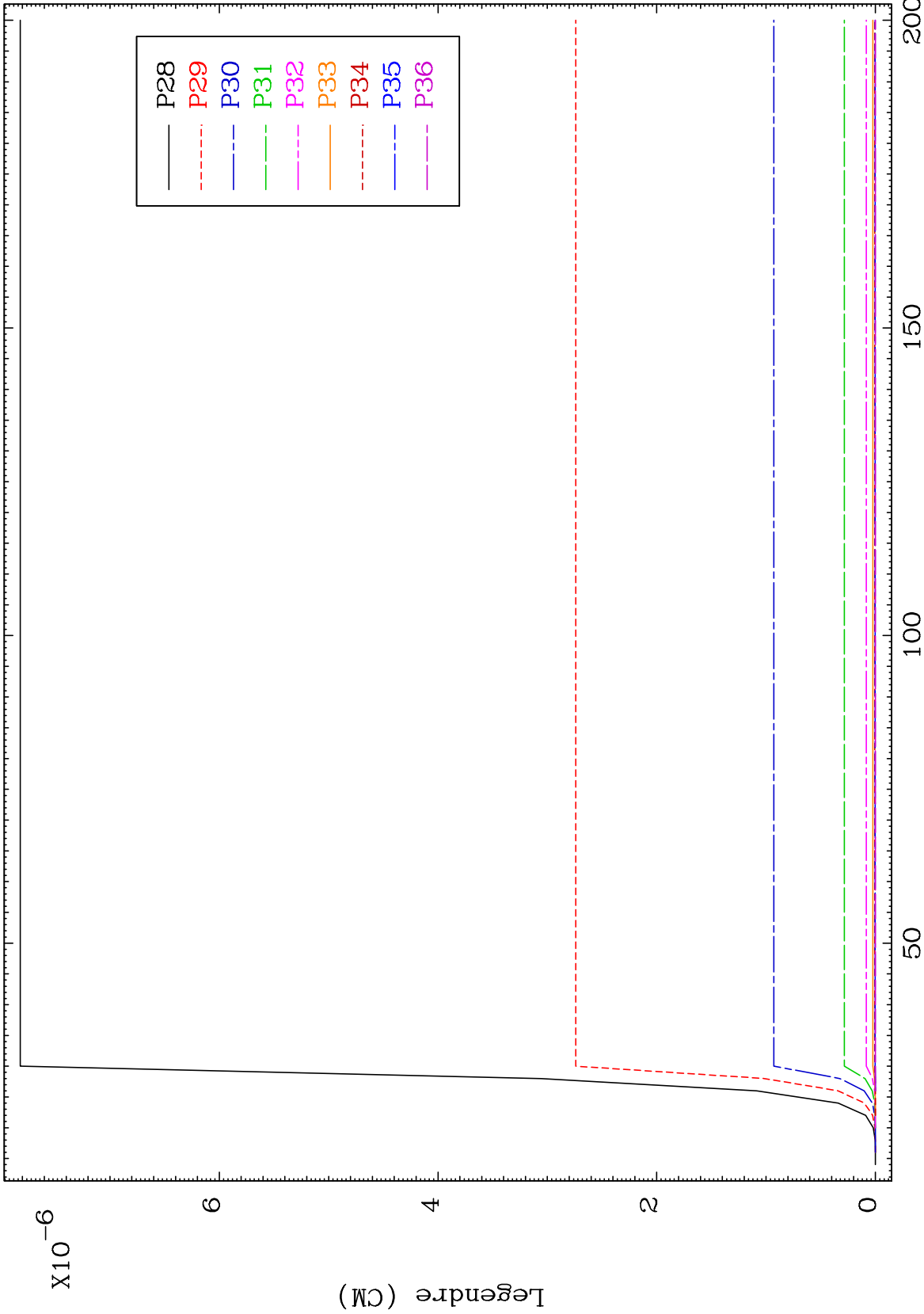
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



23

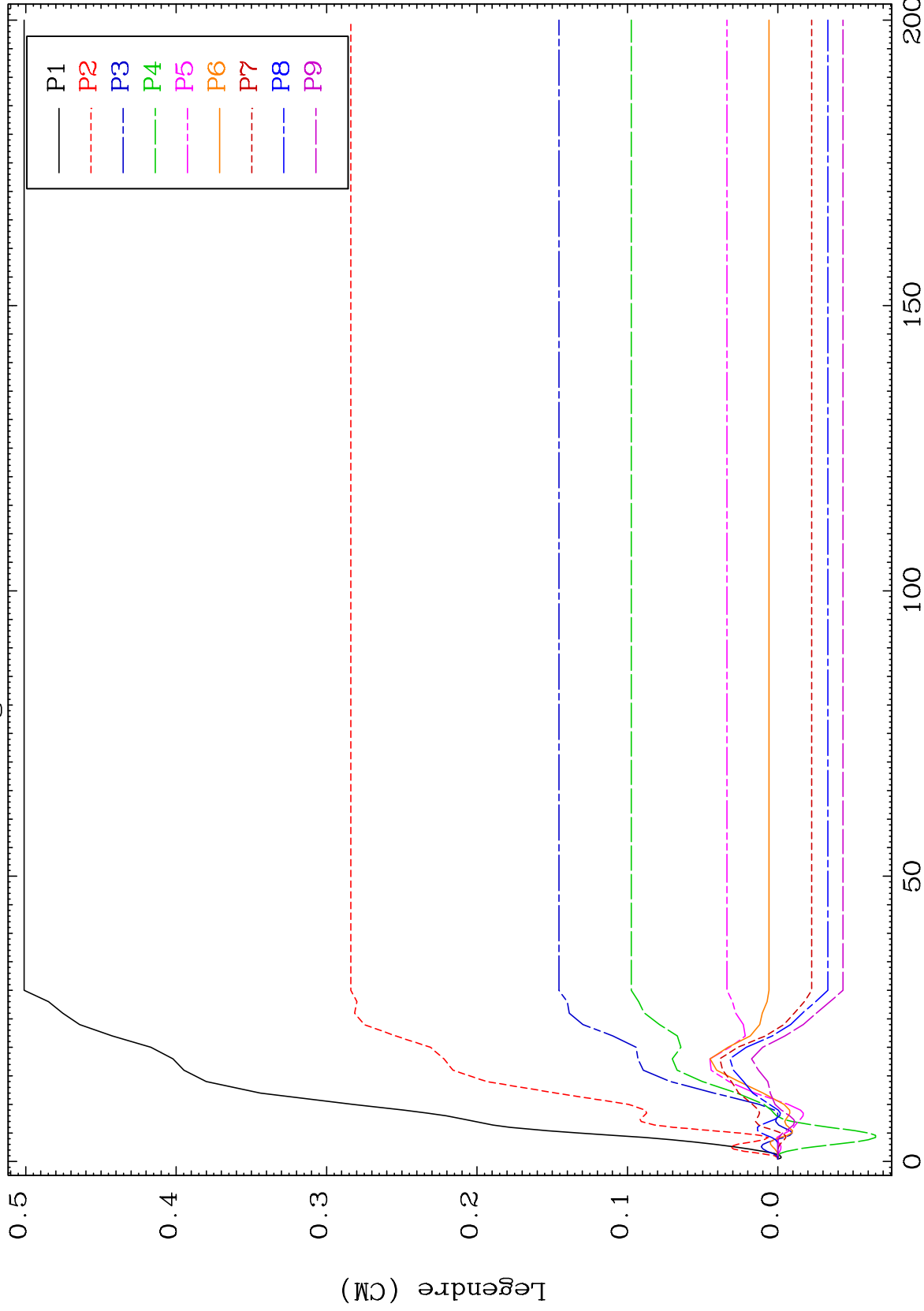
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139

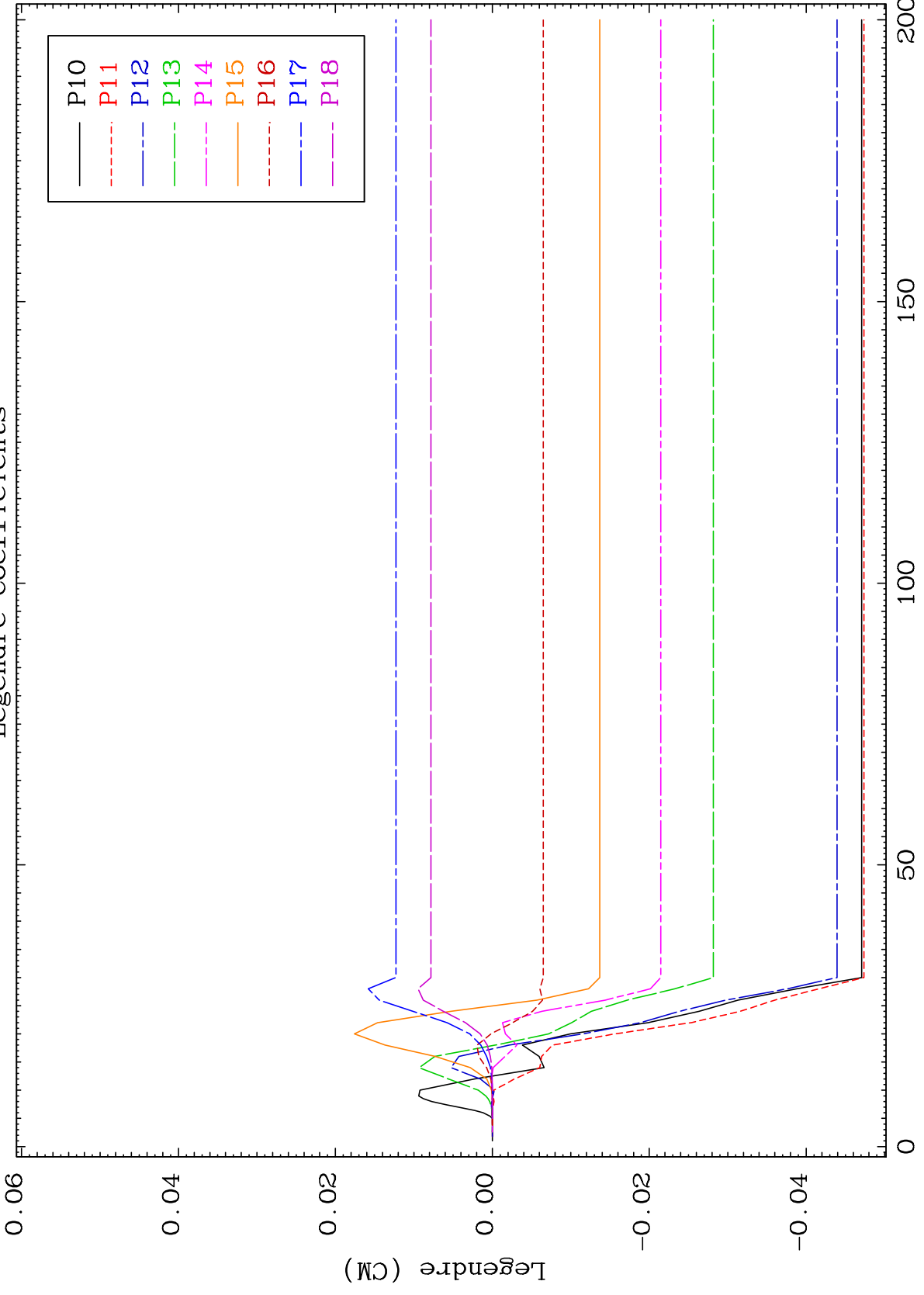


24

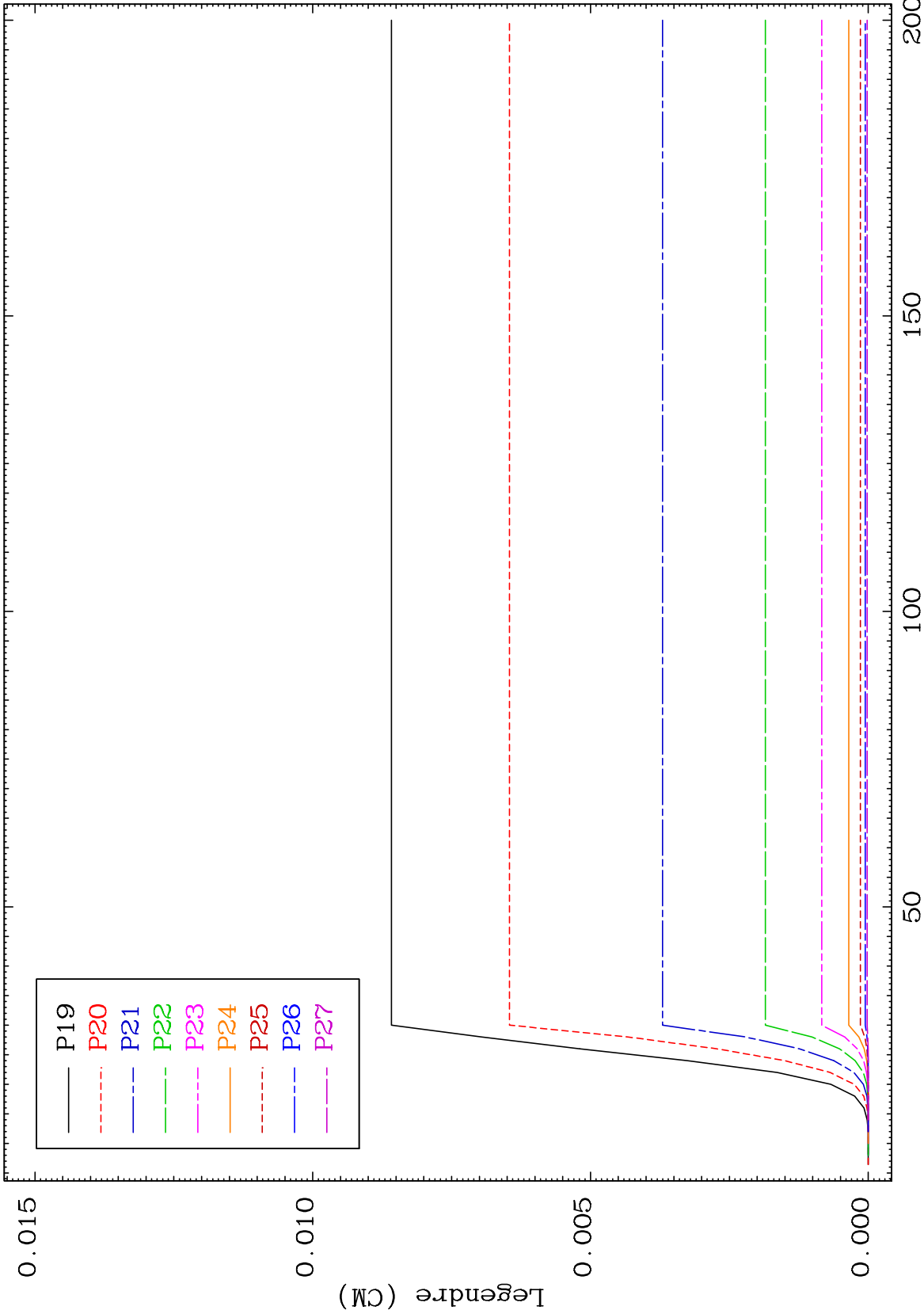
Incident Energy (MeV)

59-Pr-139

MAT 5919 MT= 52 (n,n') Level Legendre Coefficients 59-Pr-139



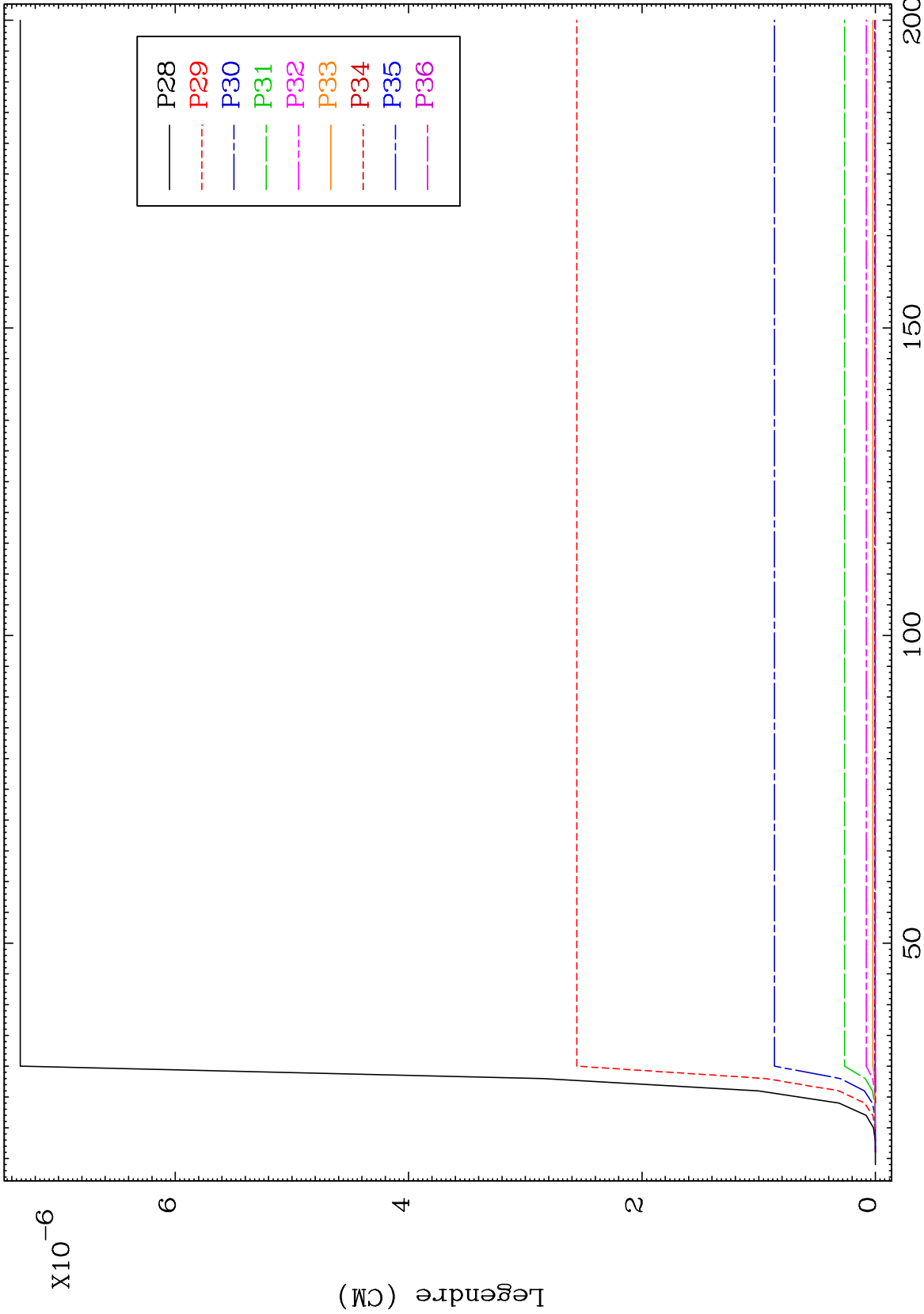
25 Incident Energy (MeV) 59-Pr-139



MAT 5919

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

59-Pr-139



27

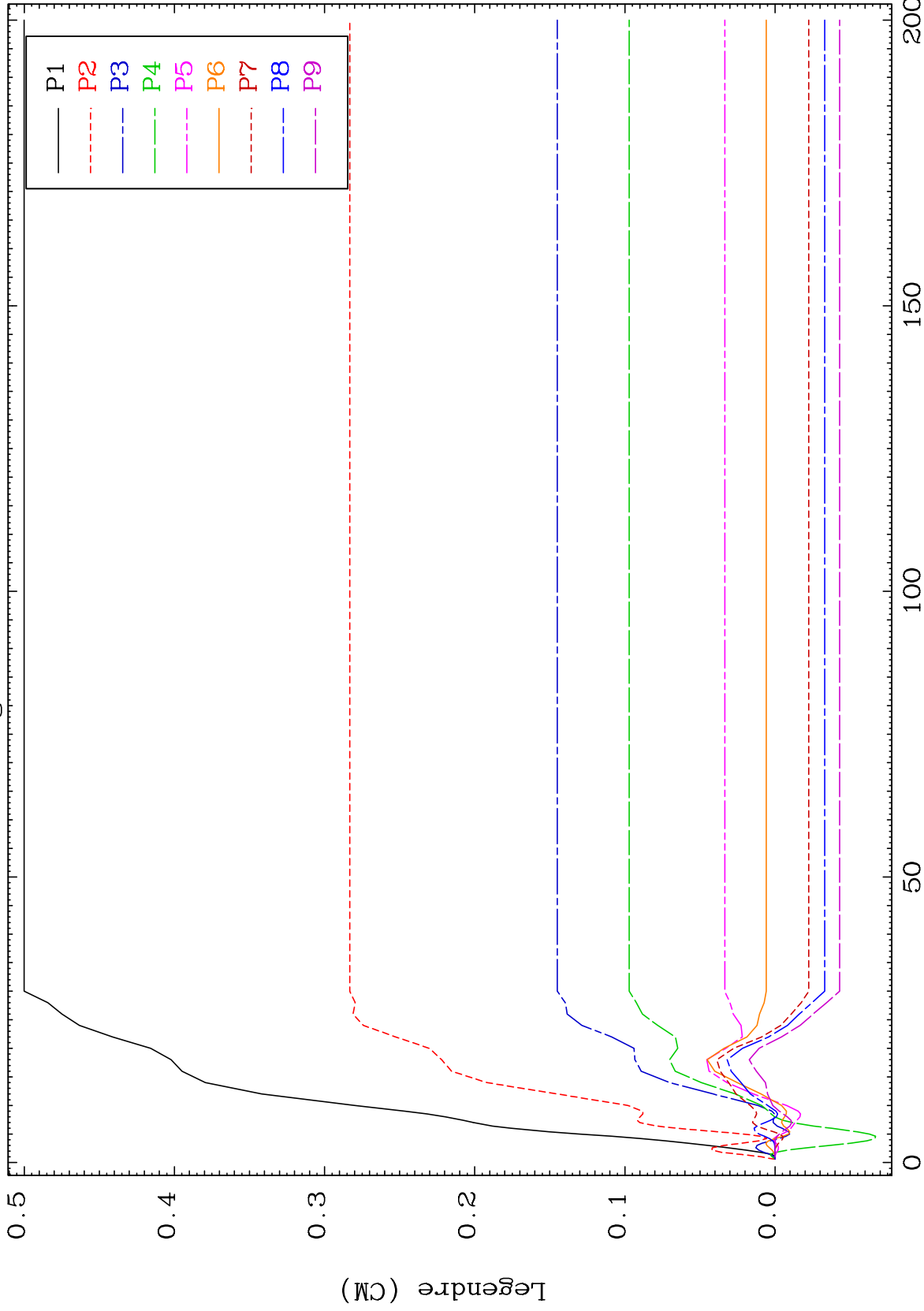
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



28

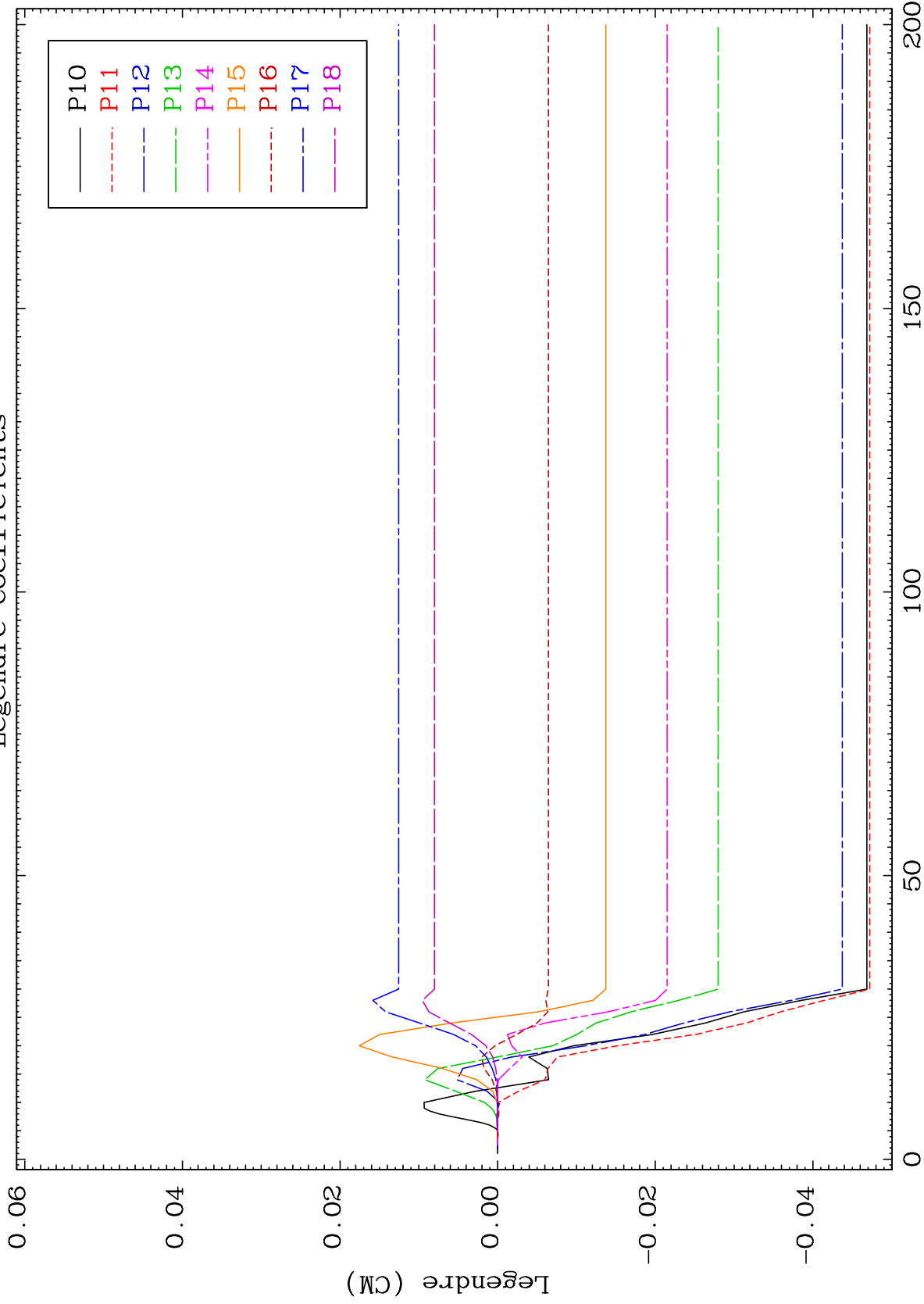
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



29

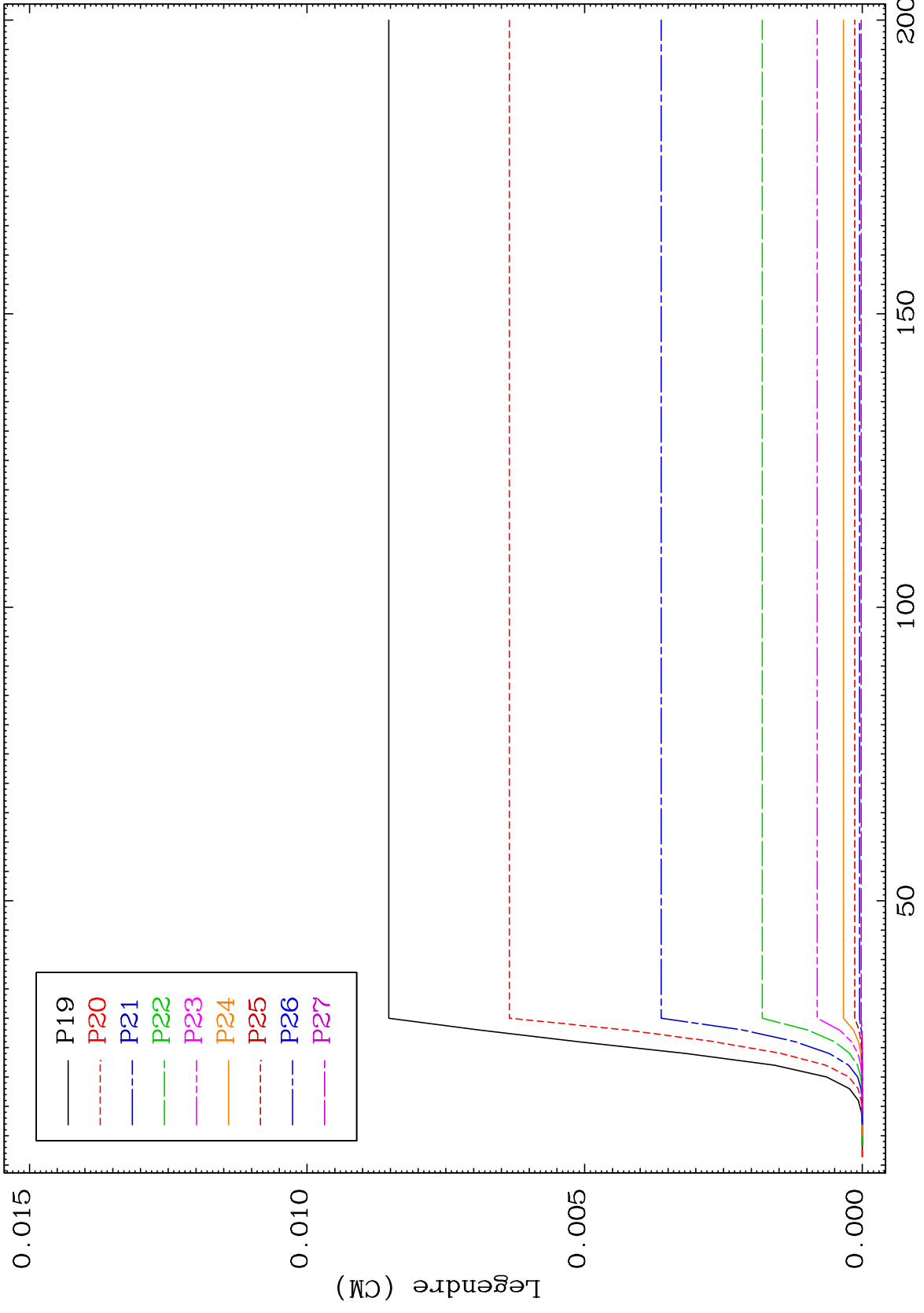
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



30

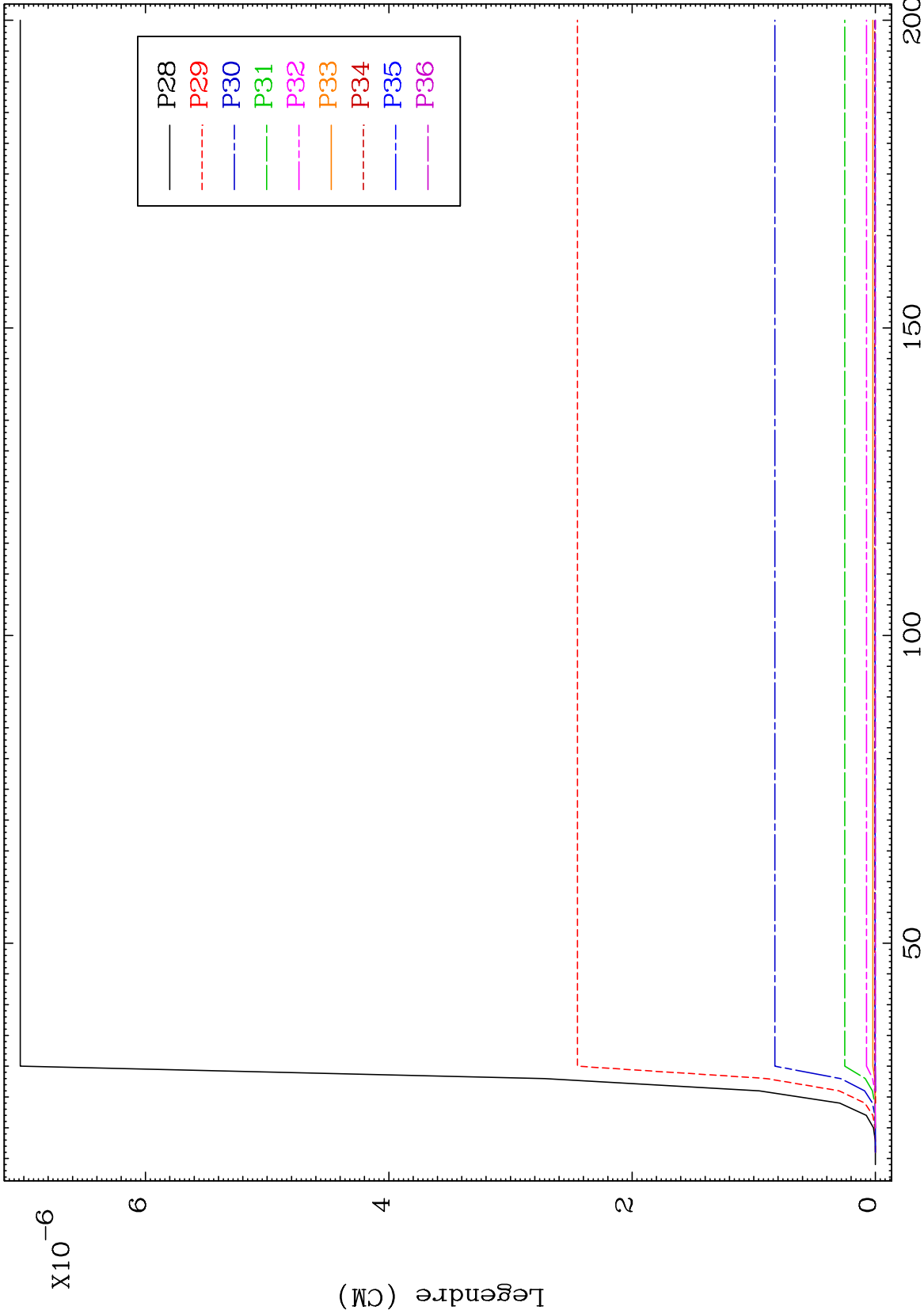
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



31

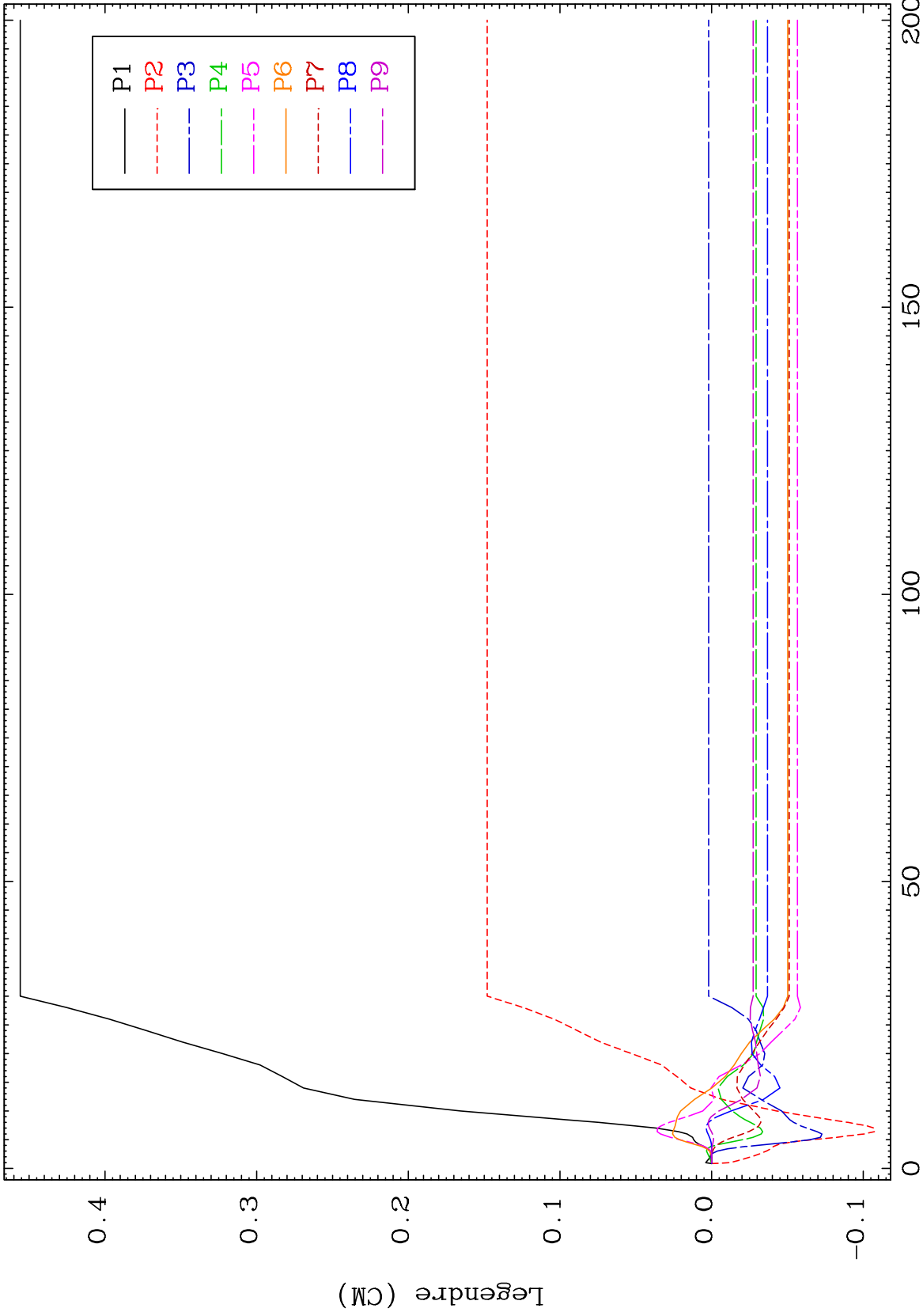
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



32

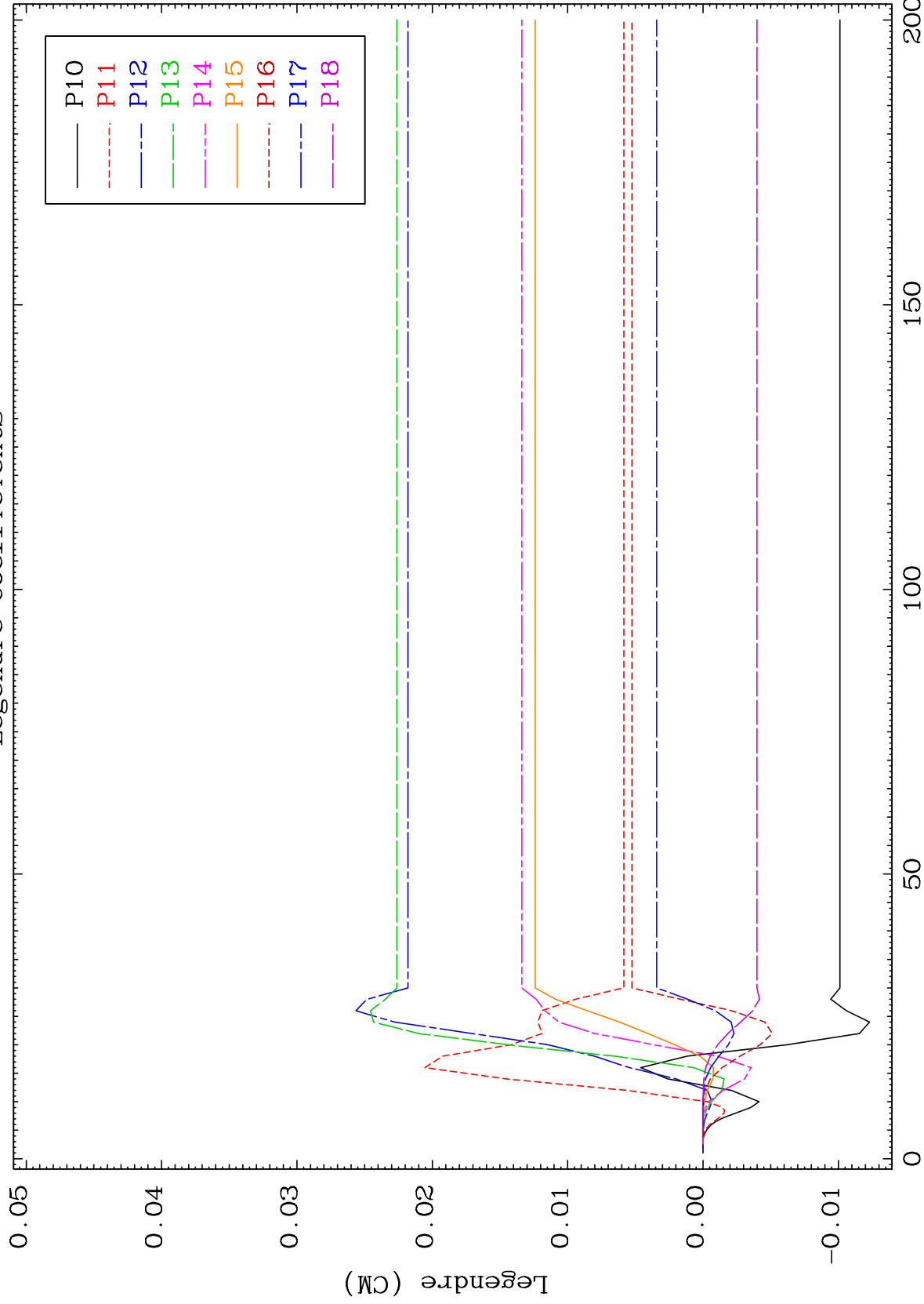
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



33

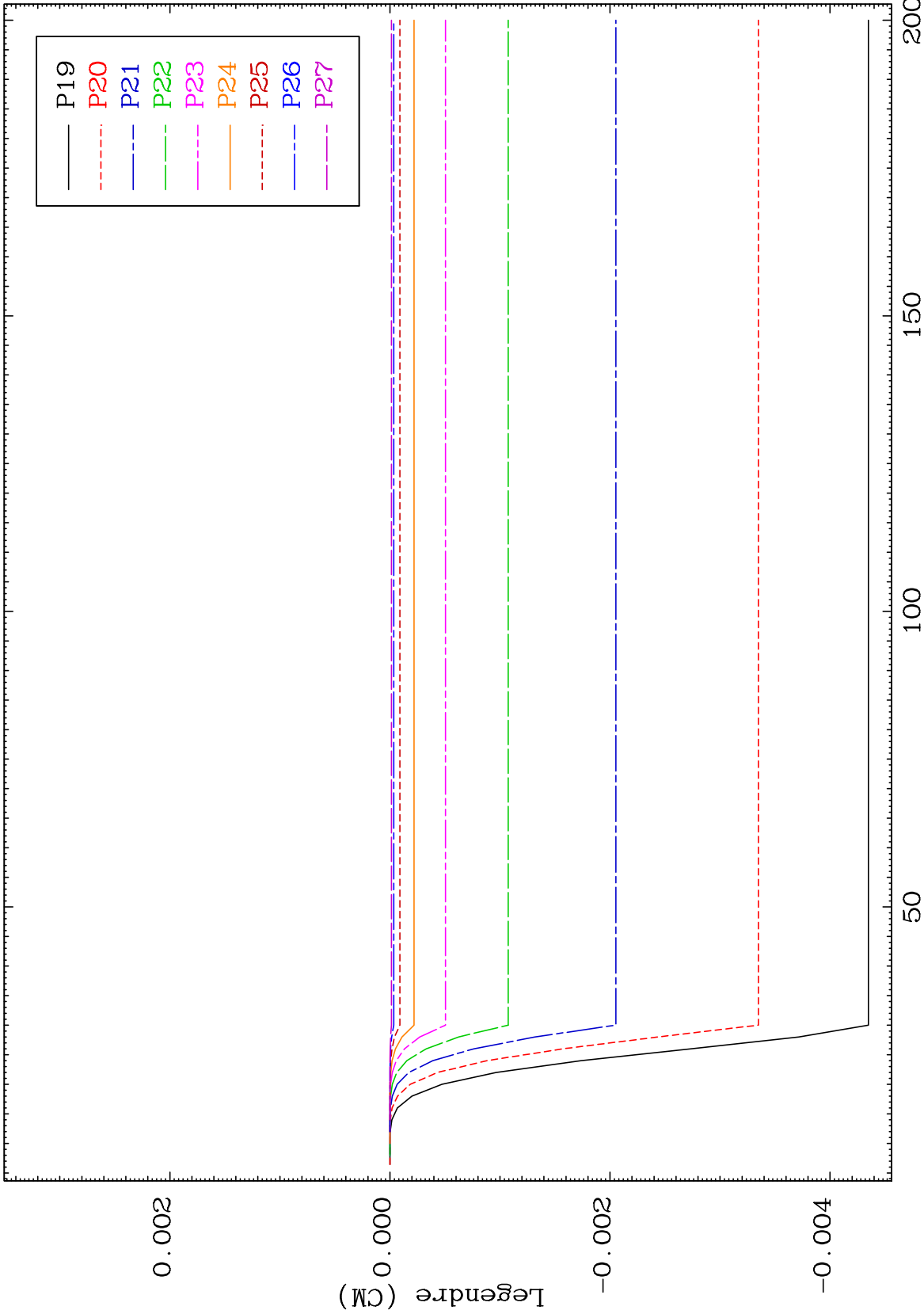
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



34

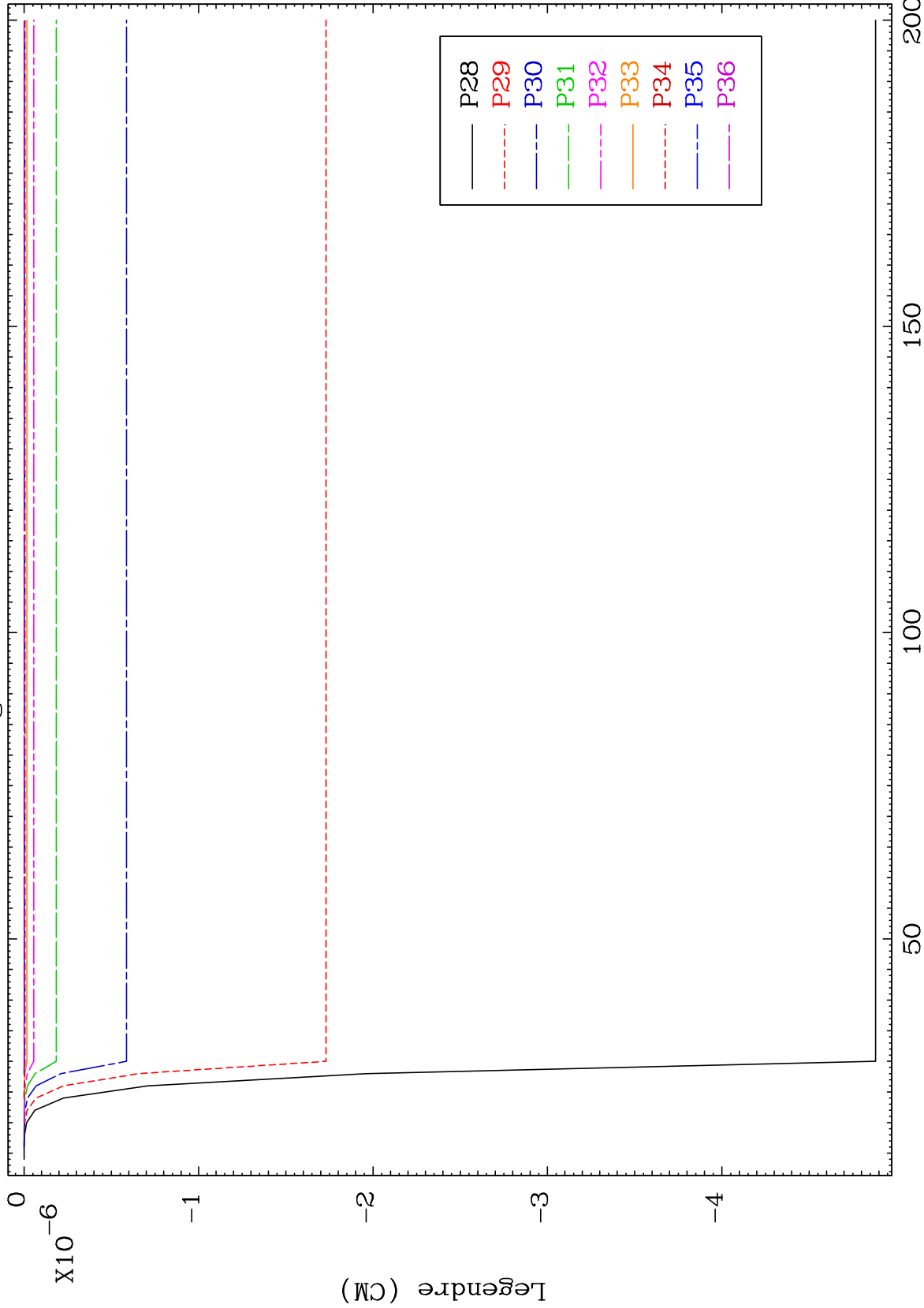
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



35

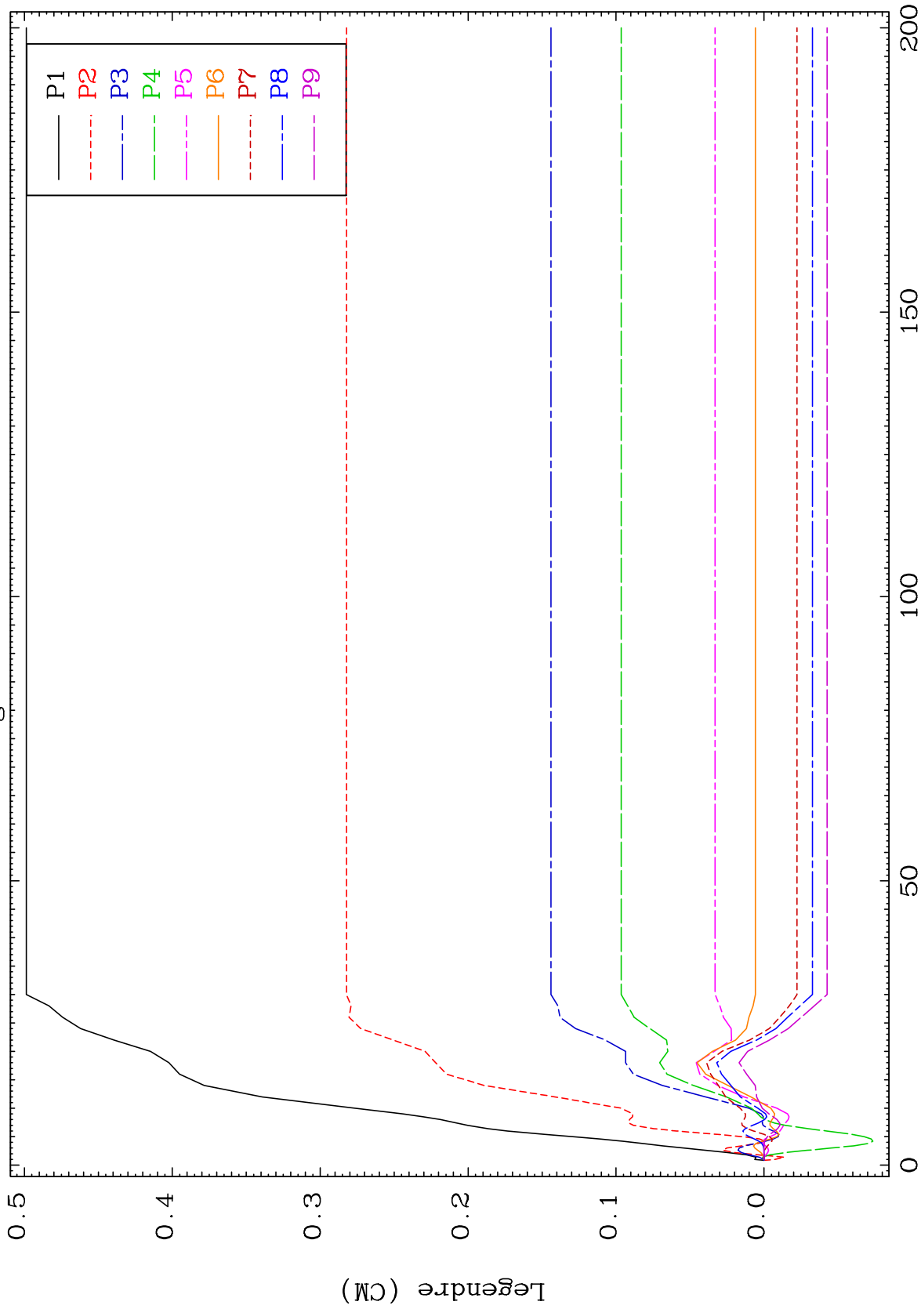
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



36

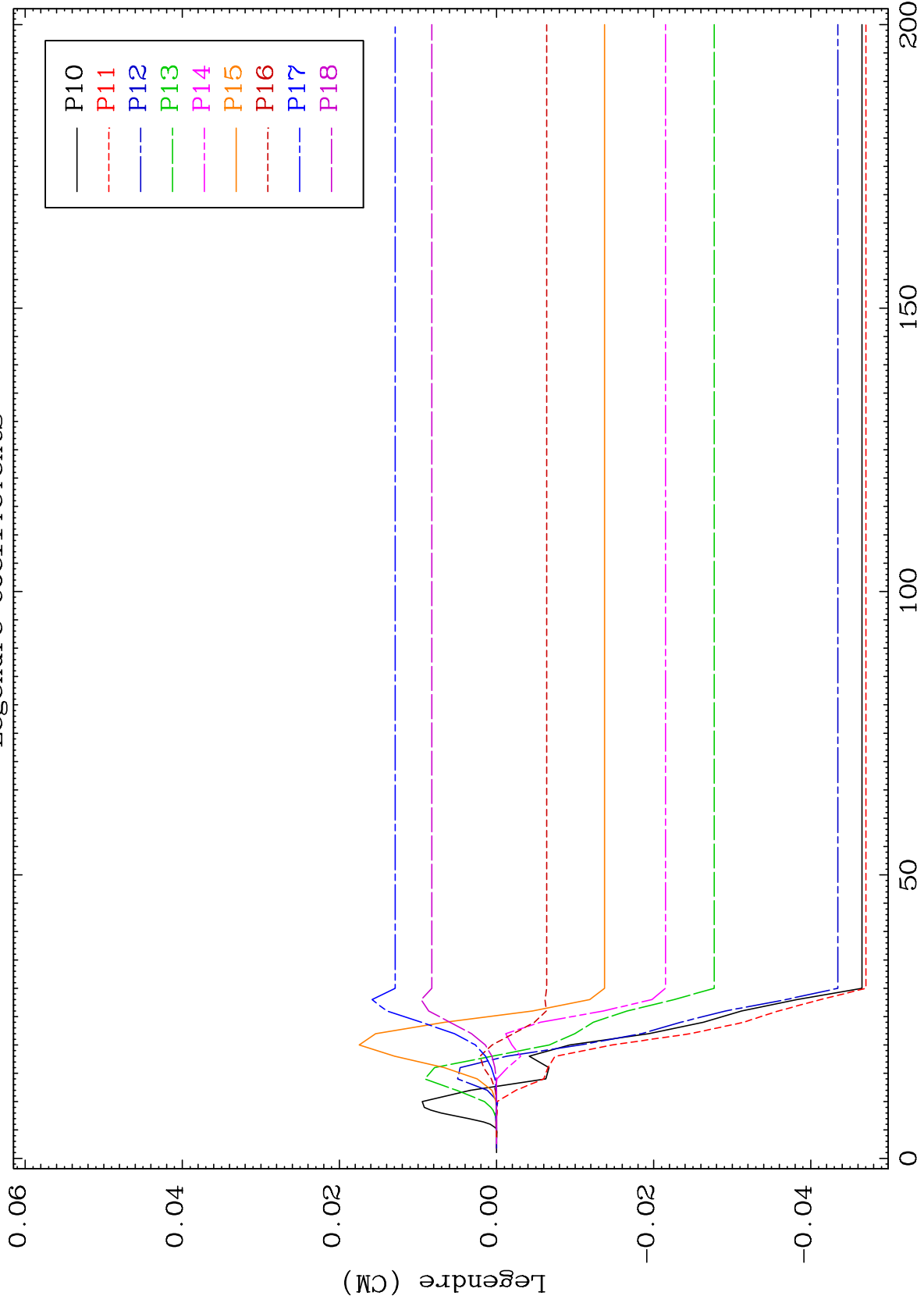
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



37

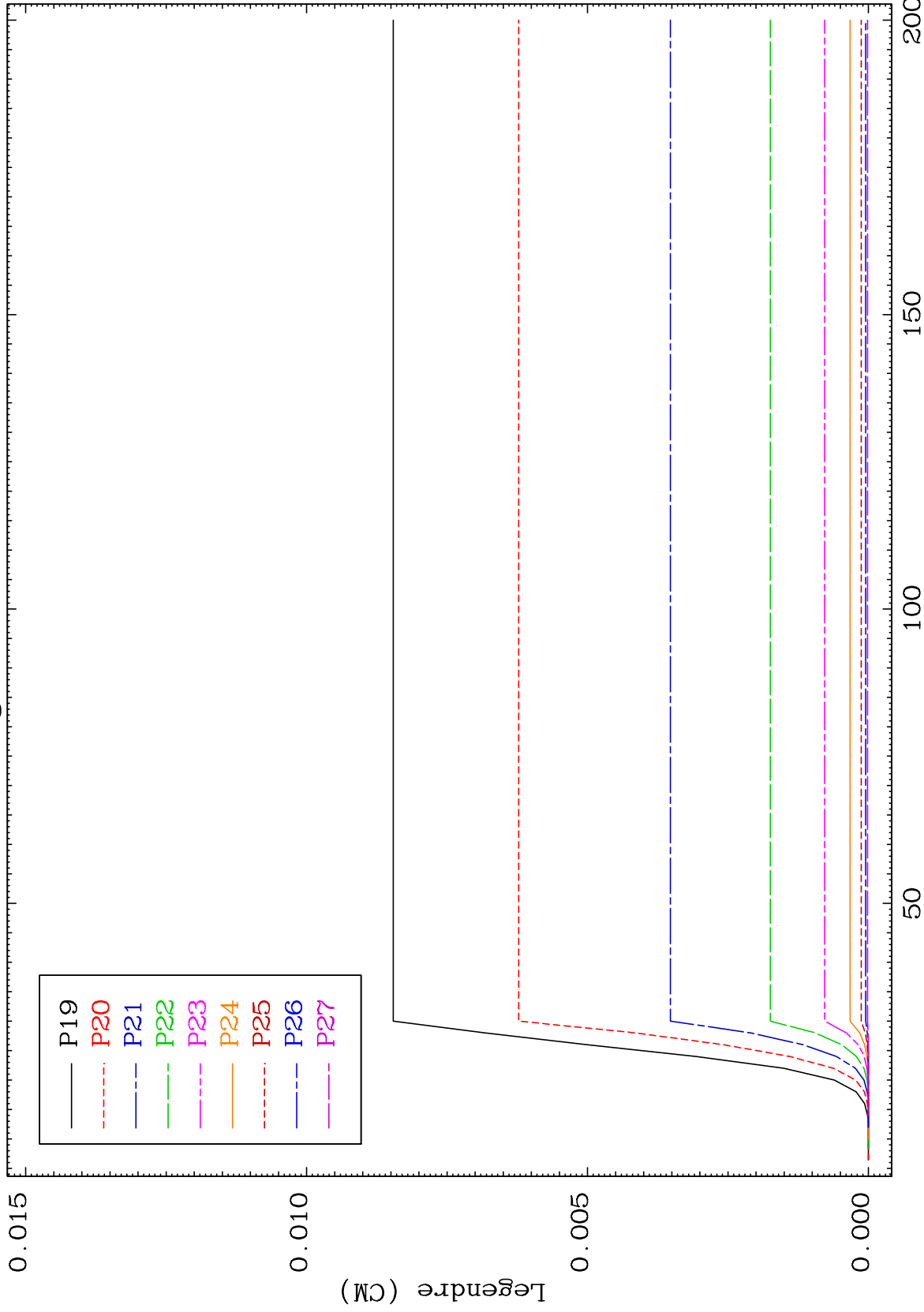
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



38

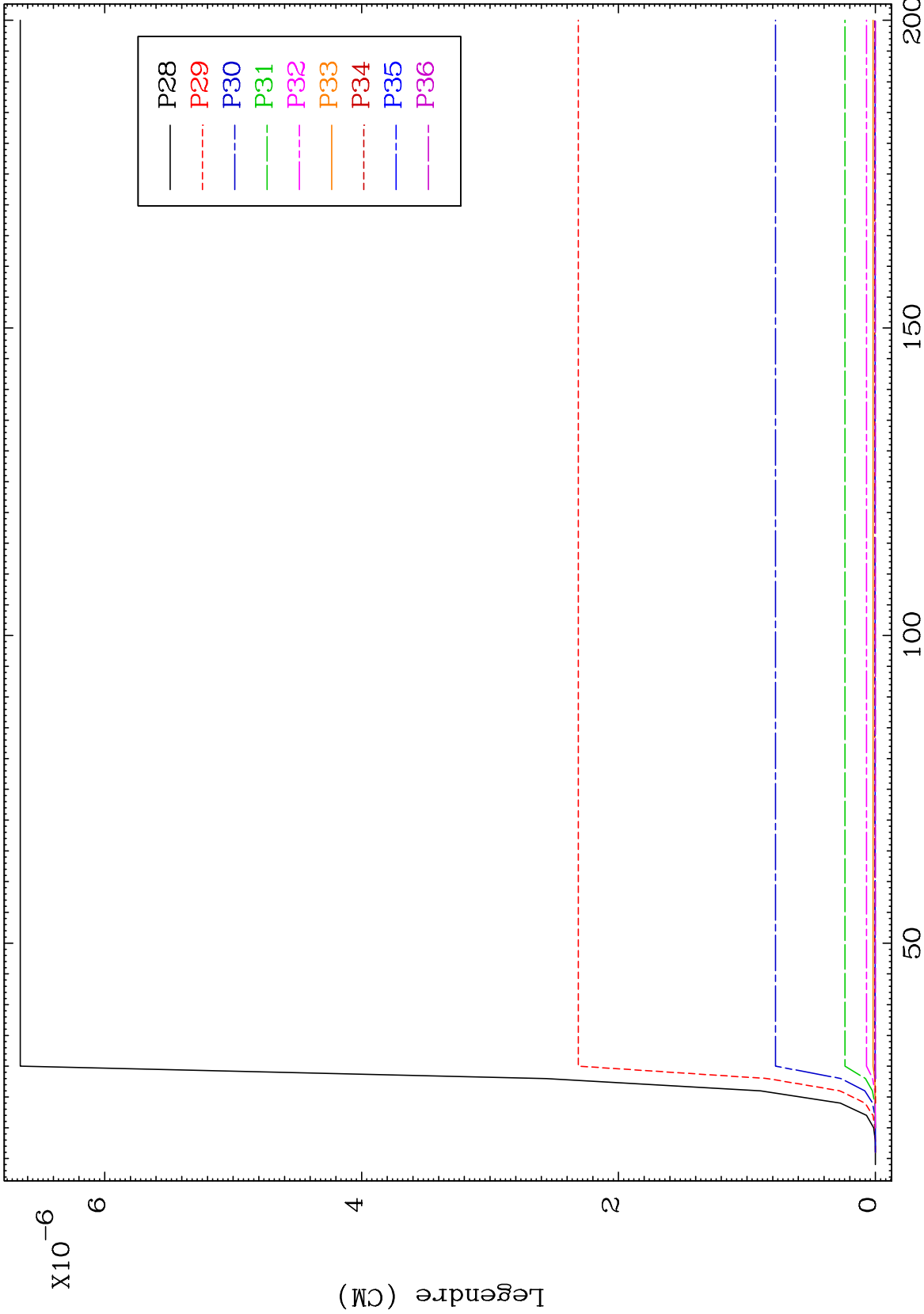
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



39

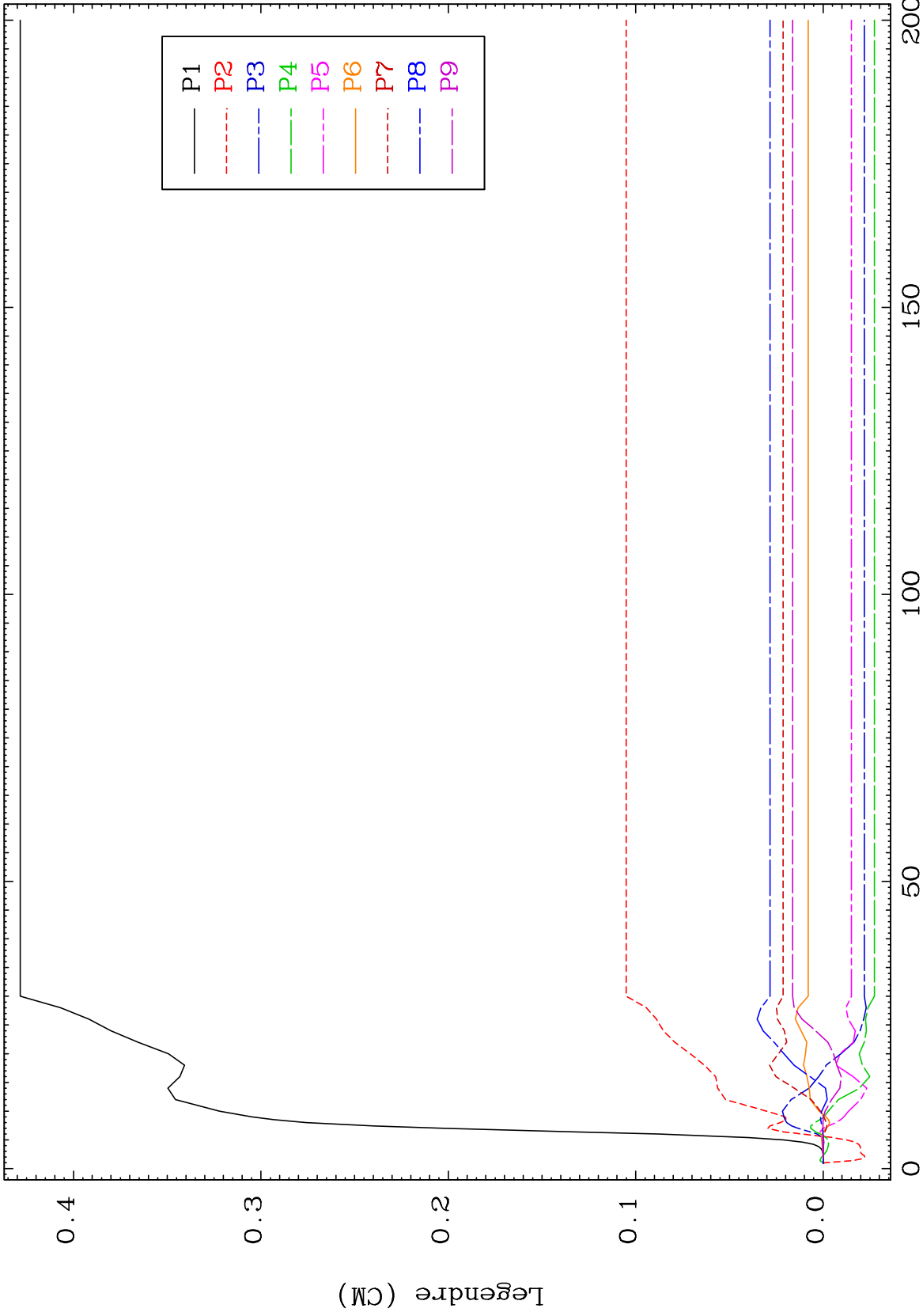
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



59-Pr-139

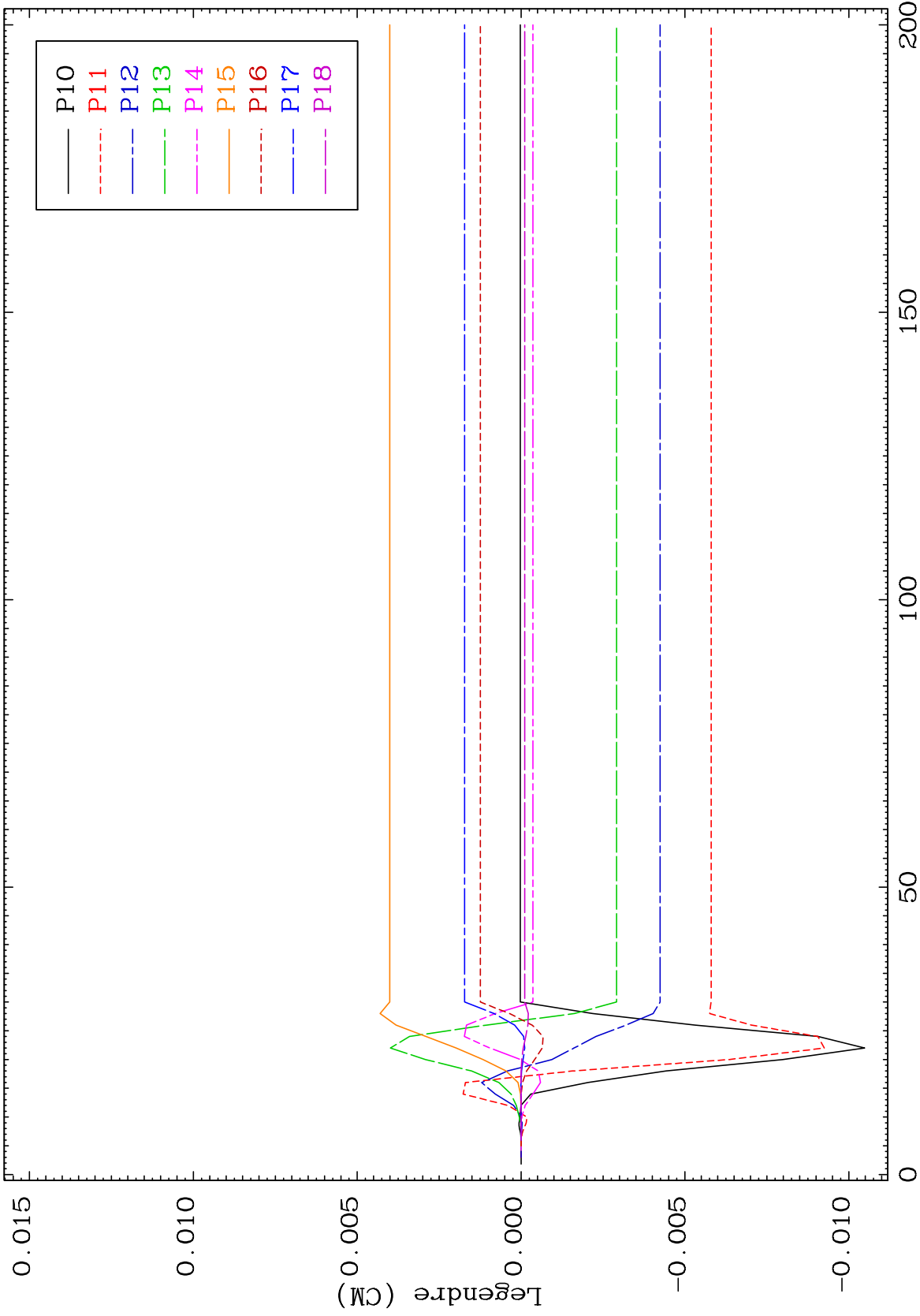
Incident Energy (MeV)

40

MAT 5919

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

59-Pr-139



41

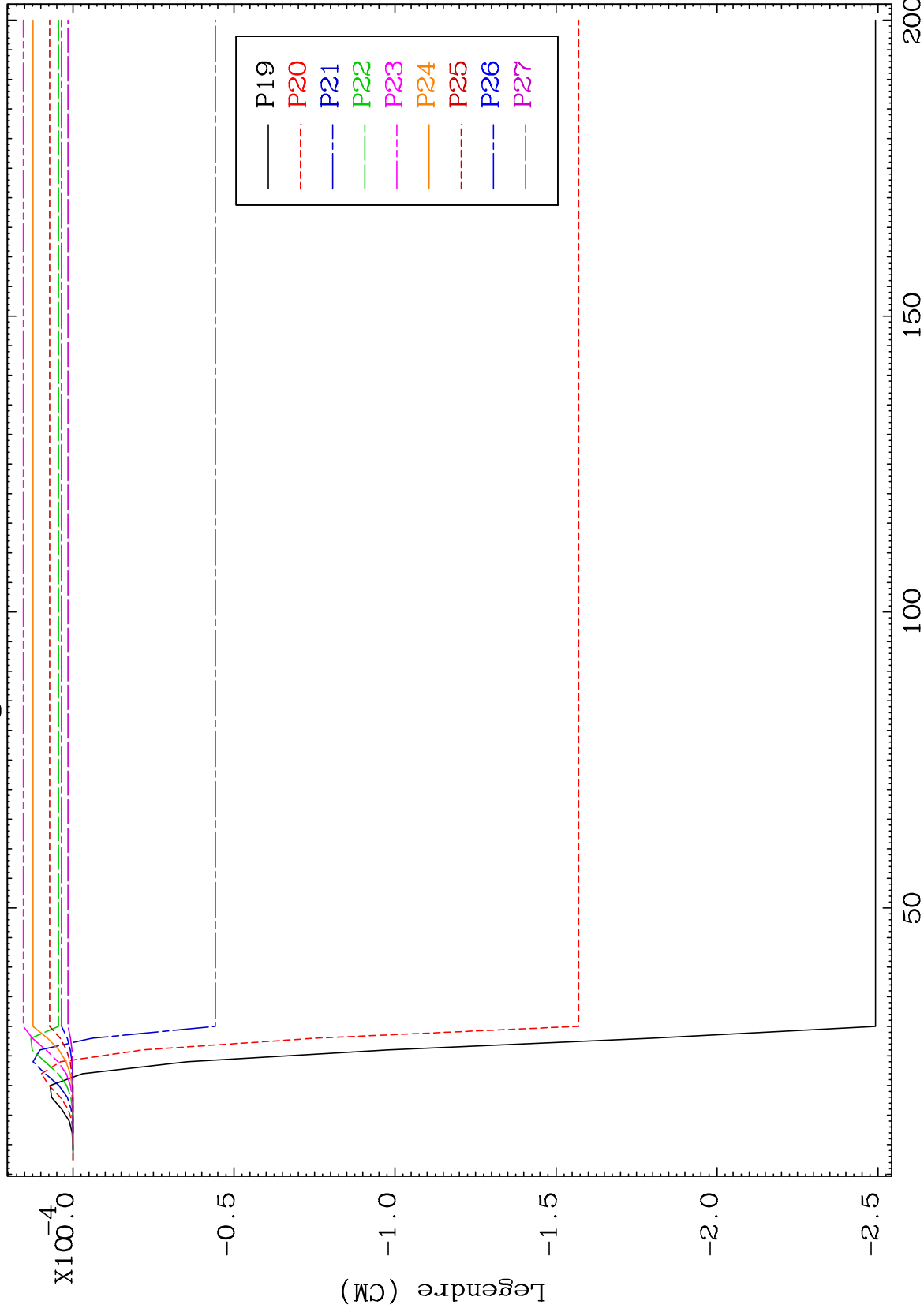
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



42

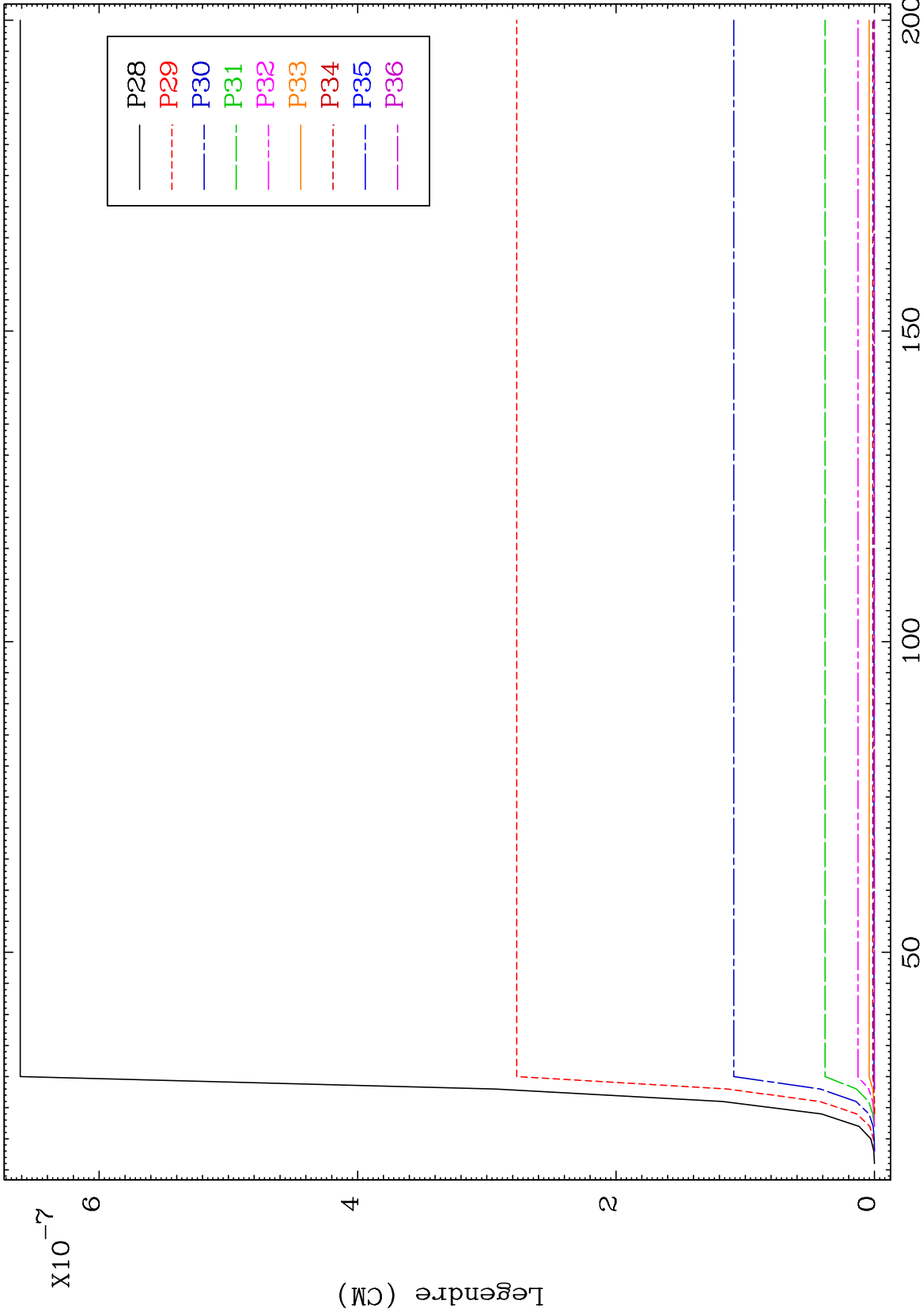
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



43

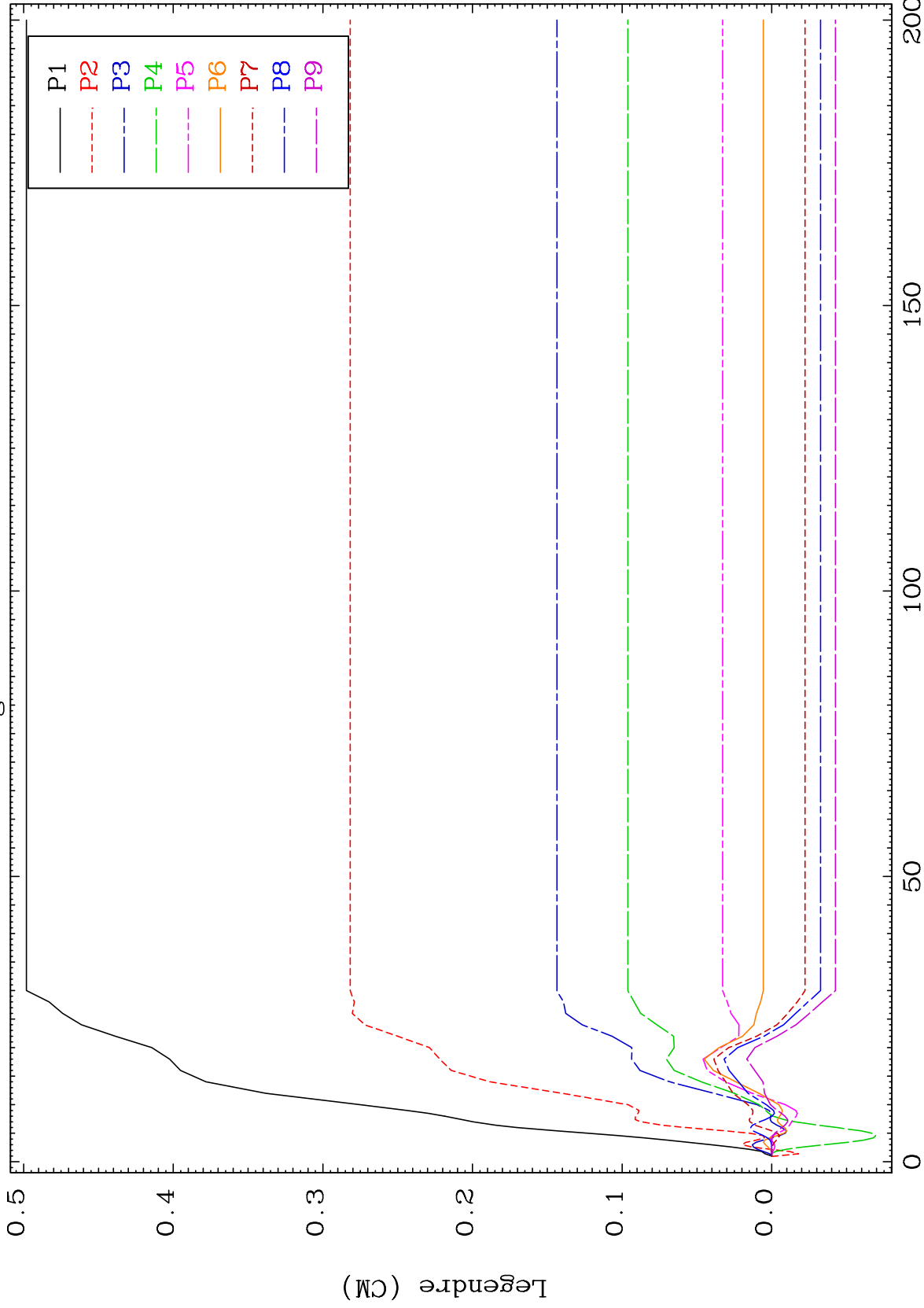
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



44

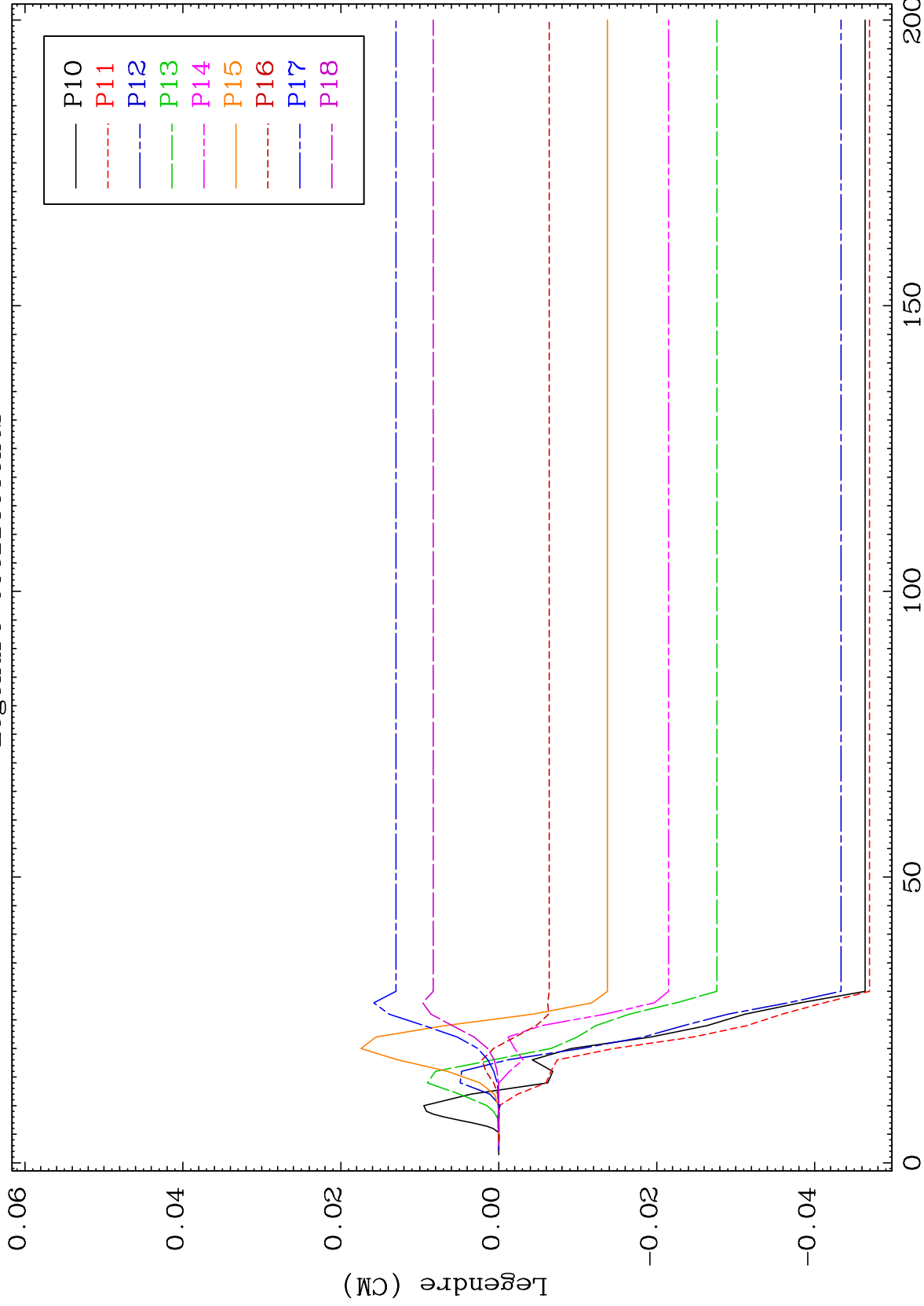
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



45

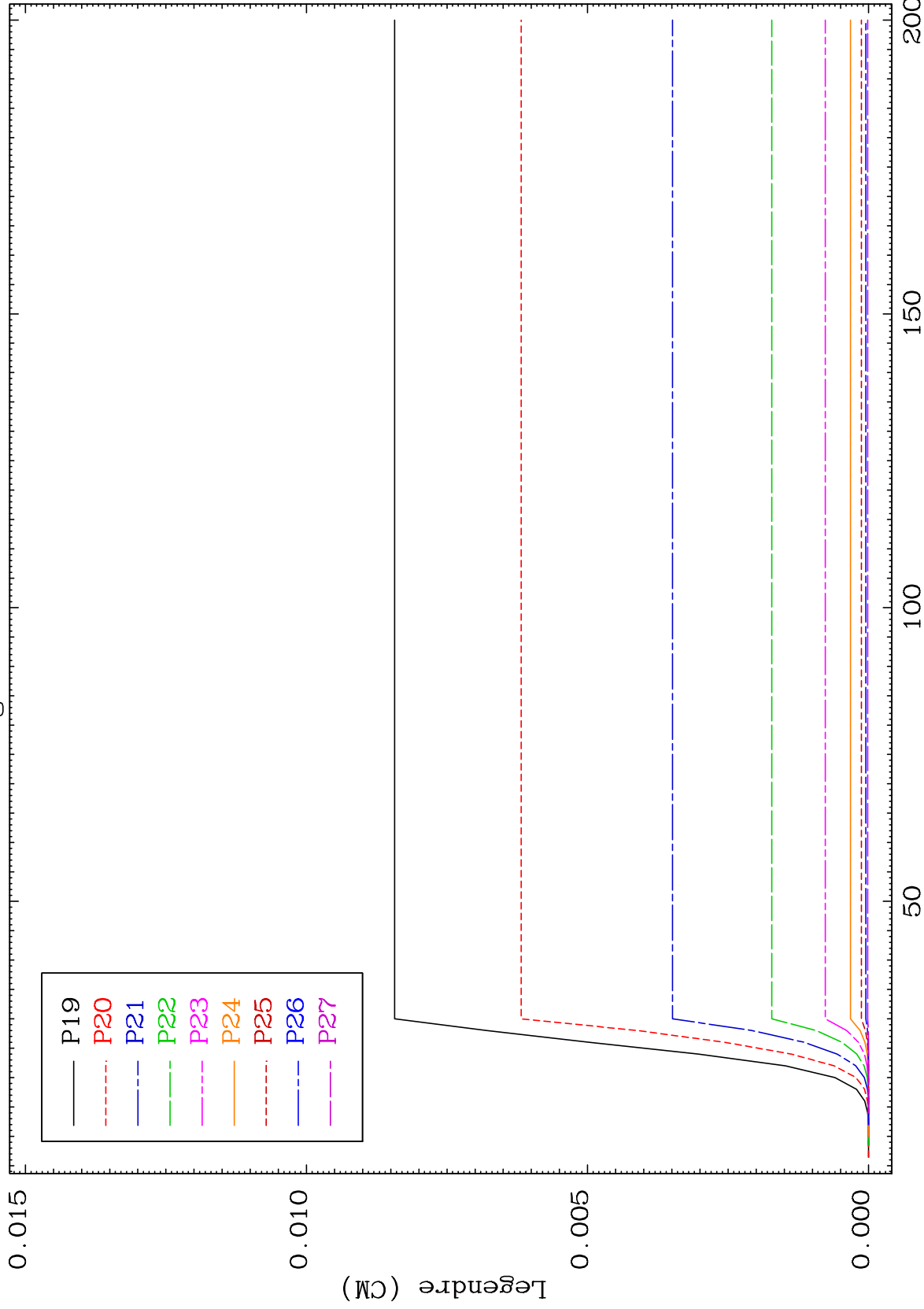
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



46

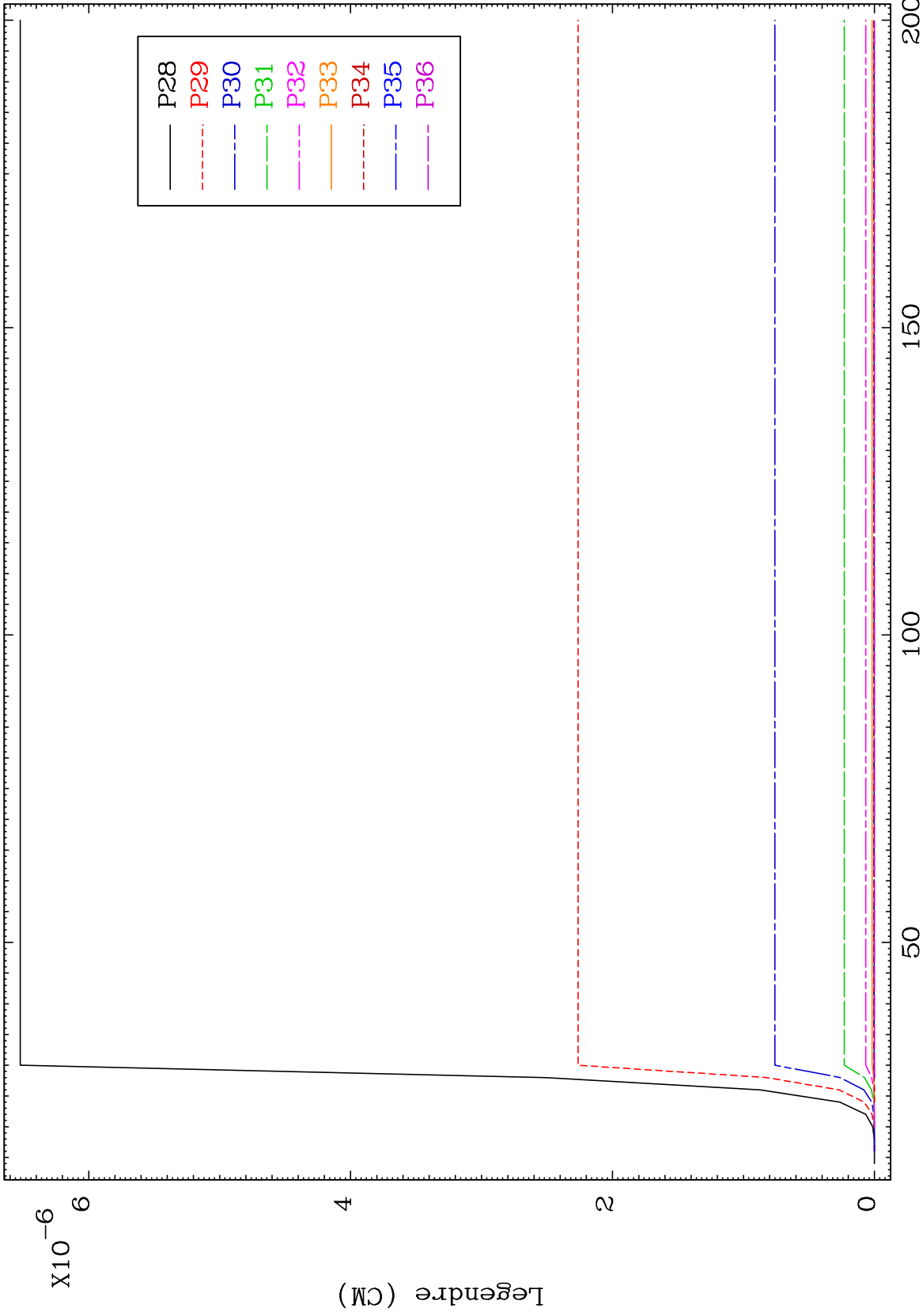
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



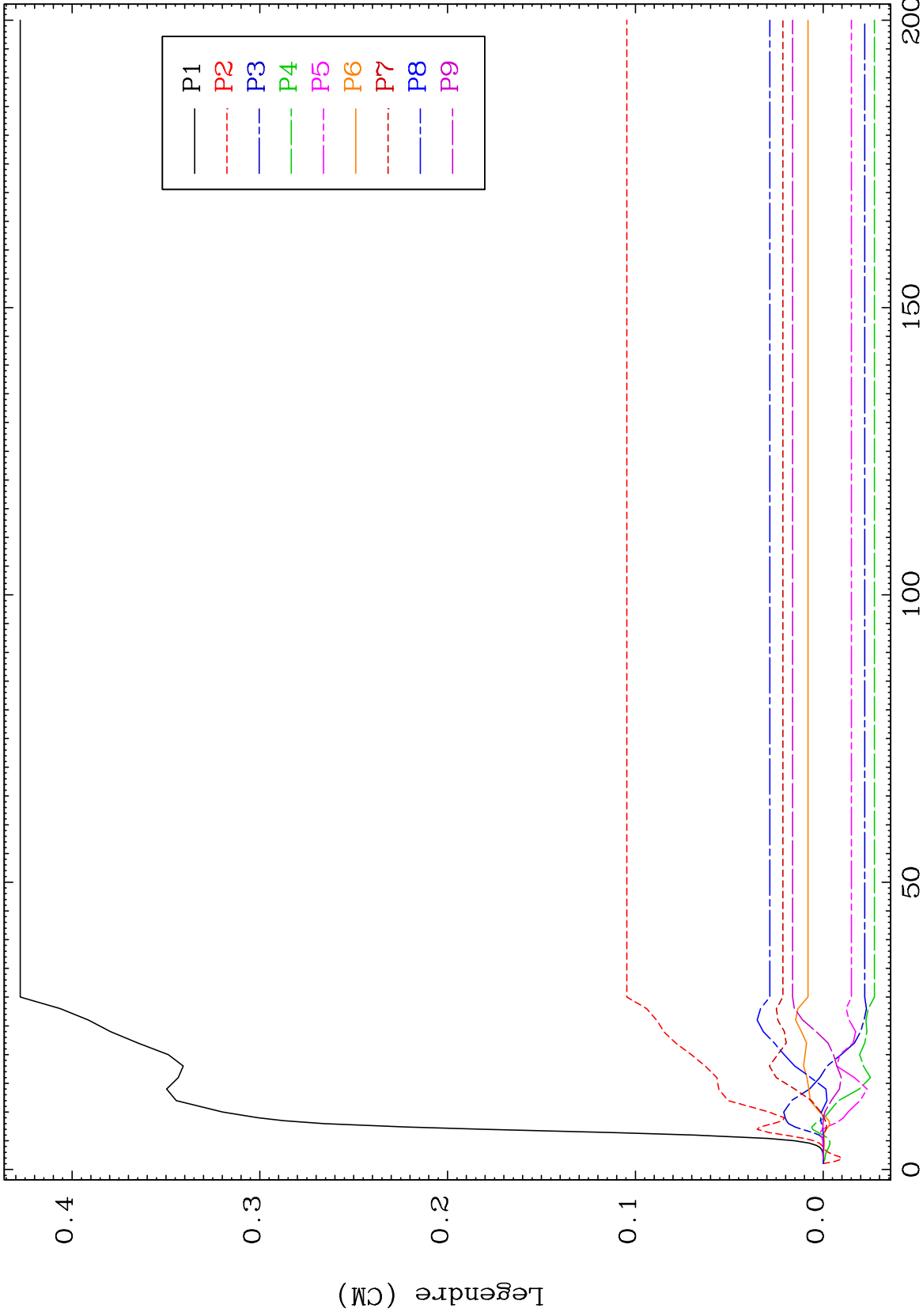
47

59-Pr-139

MAT 5919

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

59-Pr-139



48

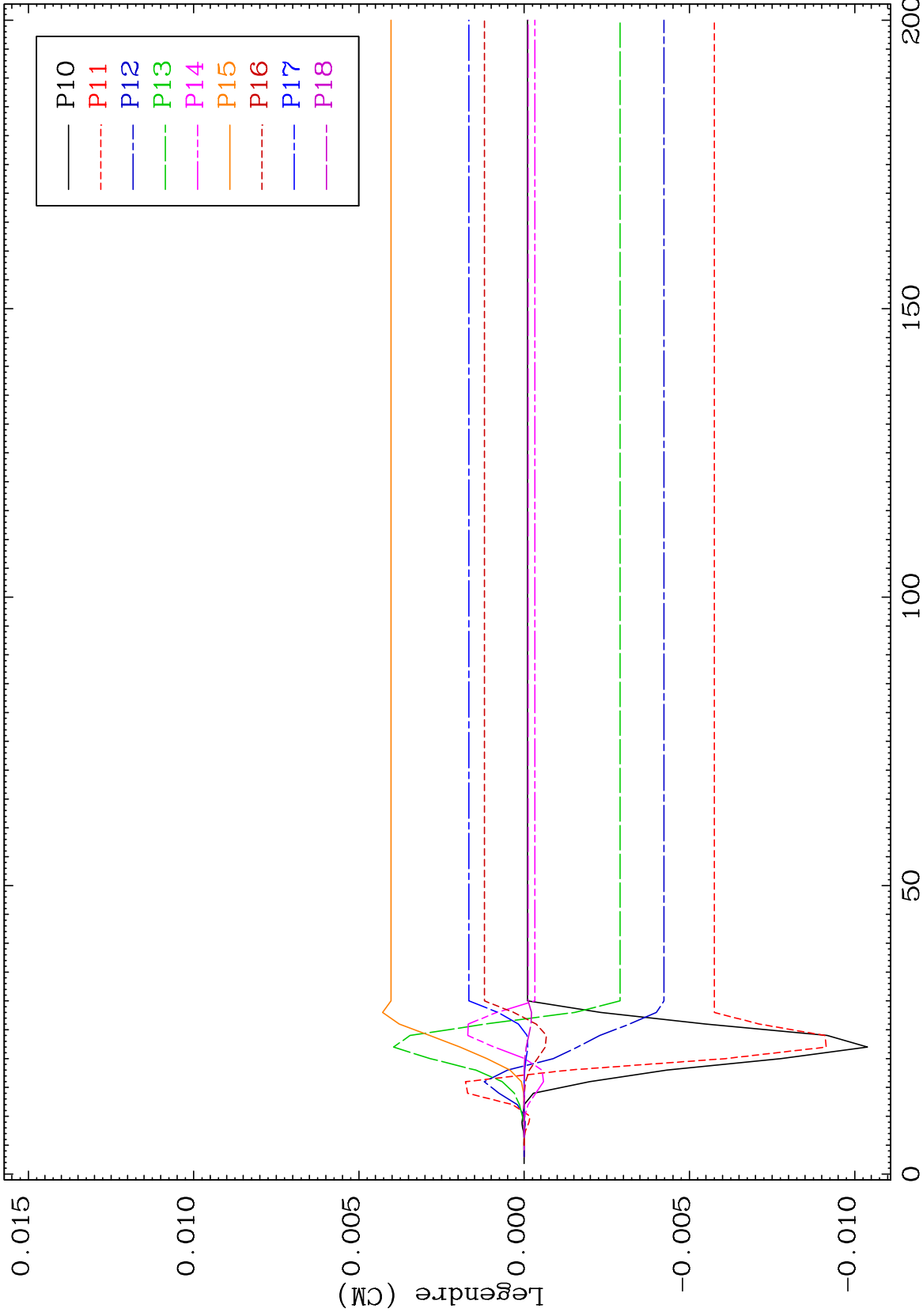
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



49

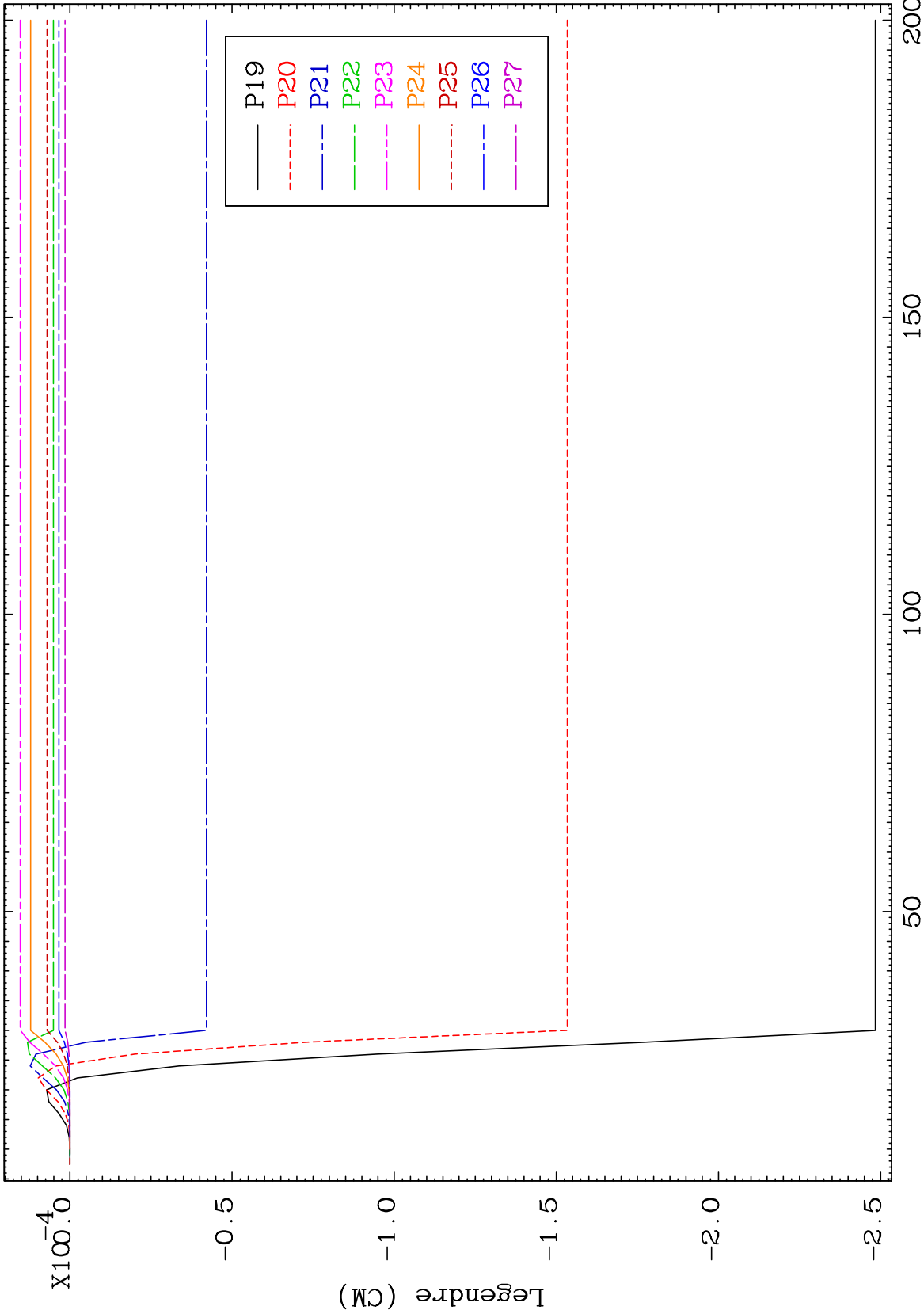
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



50

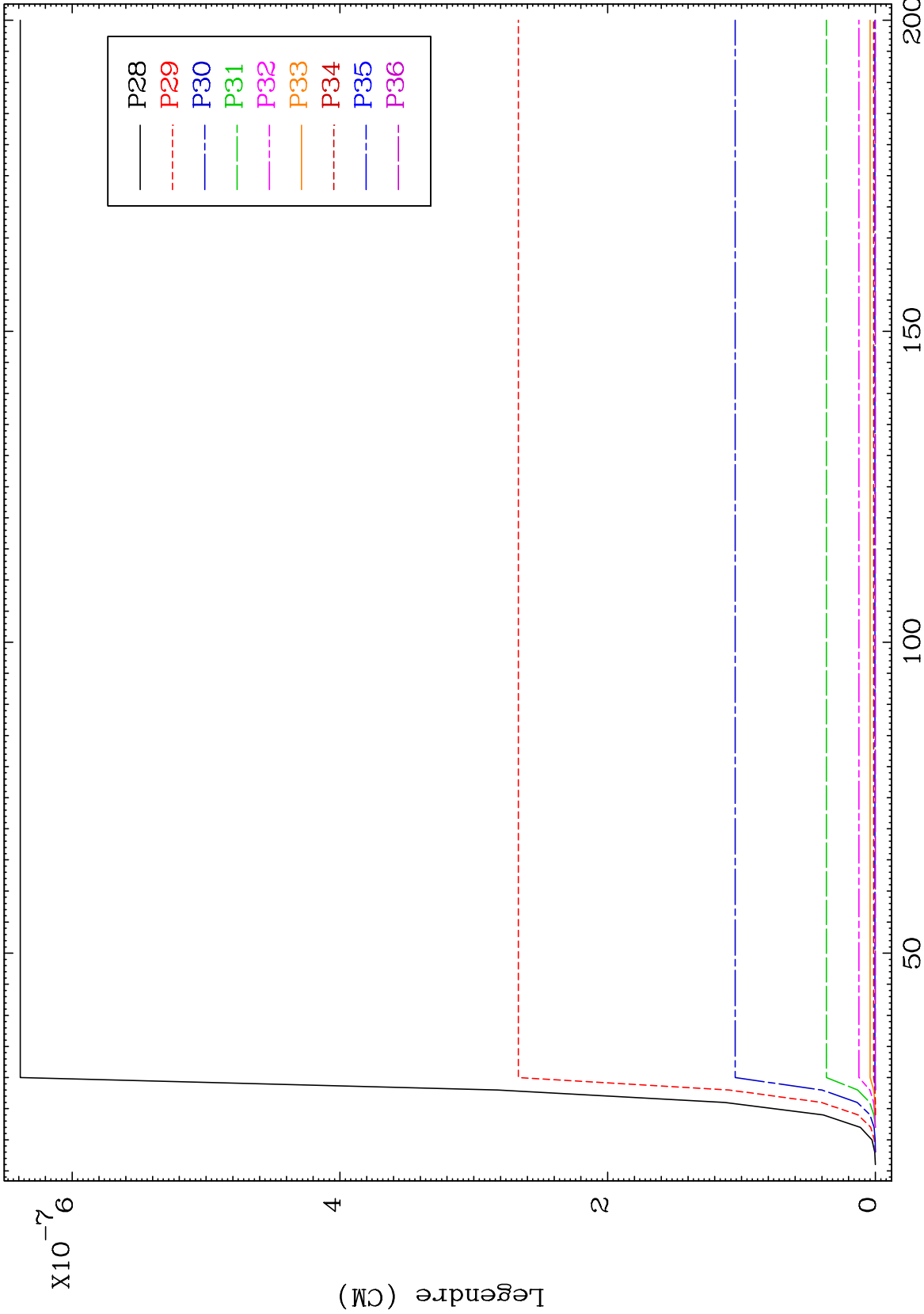
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



51

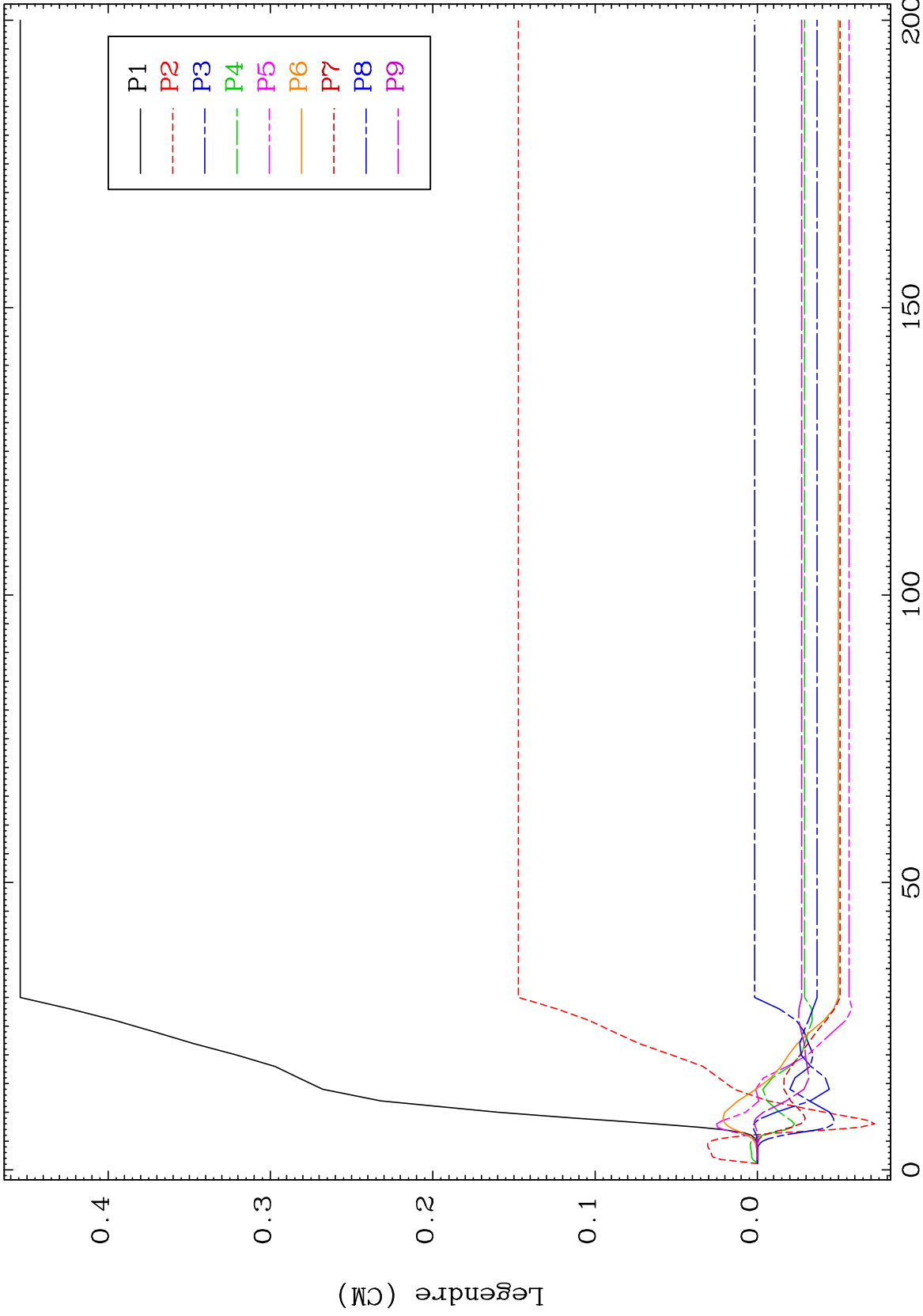
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



52

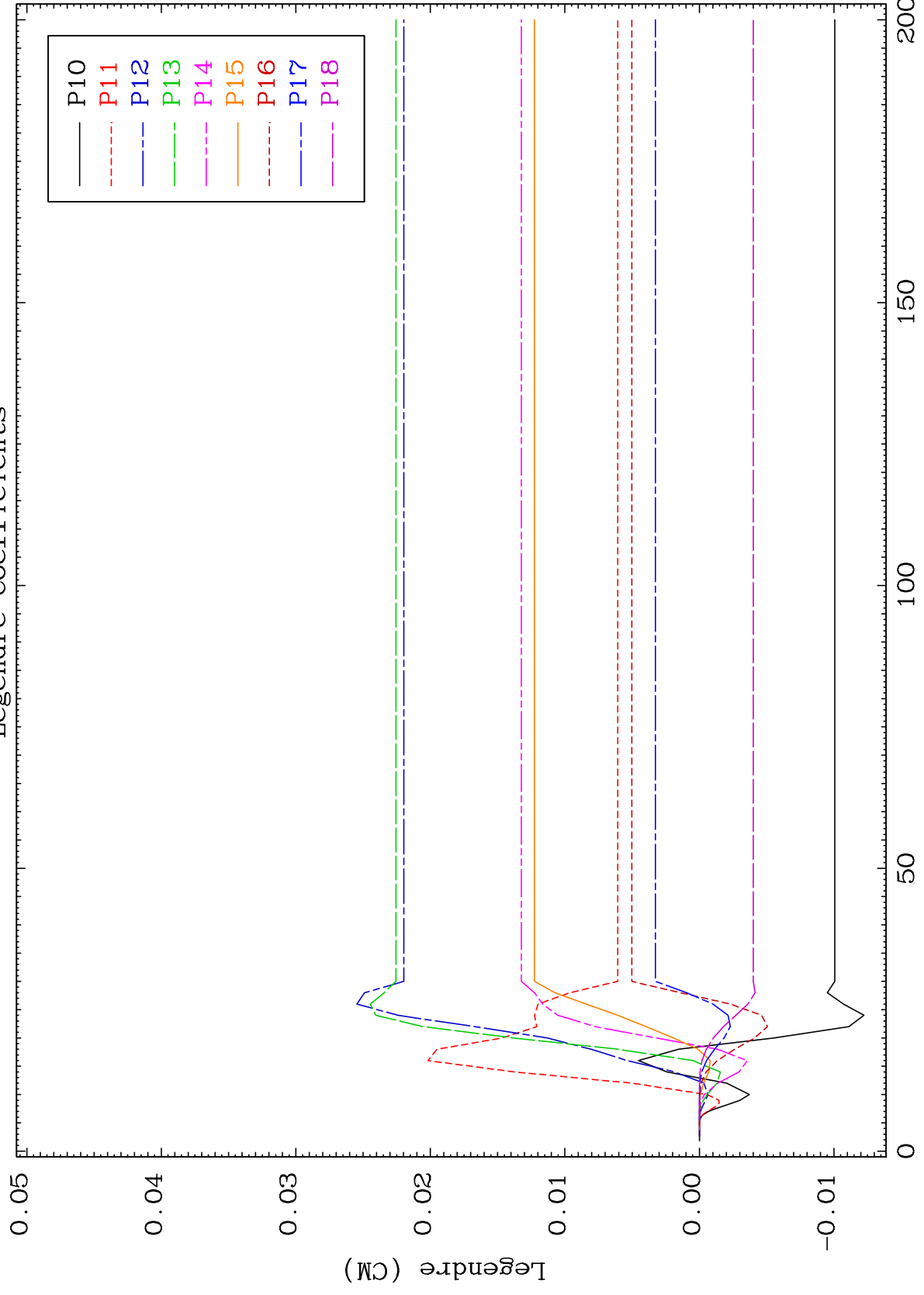
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



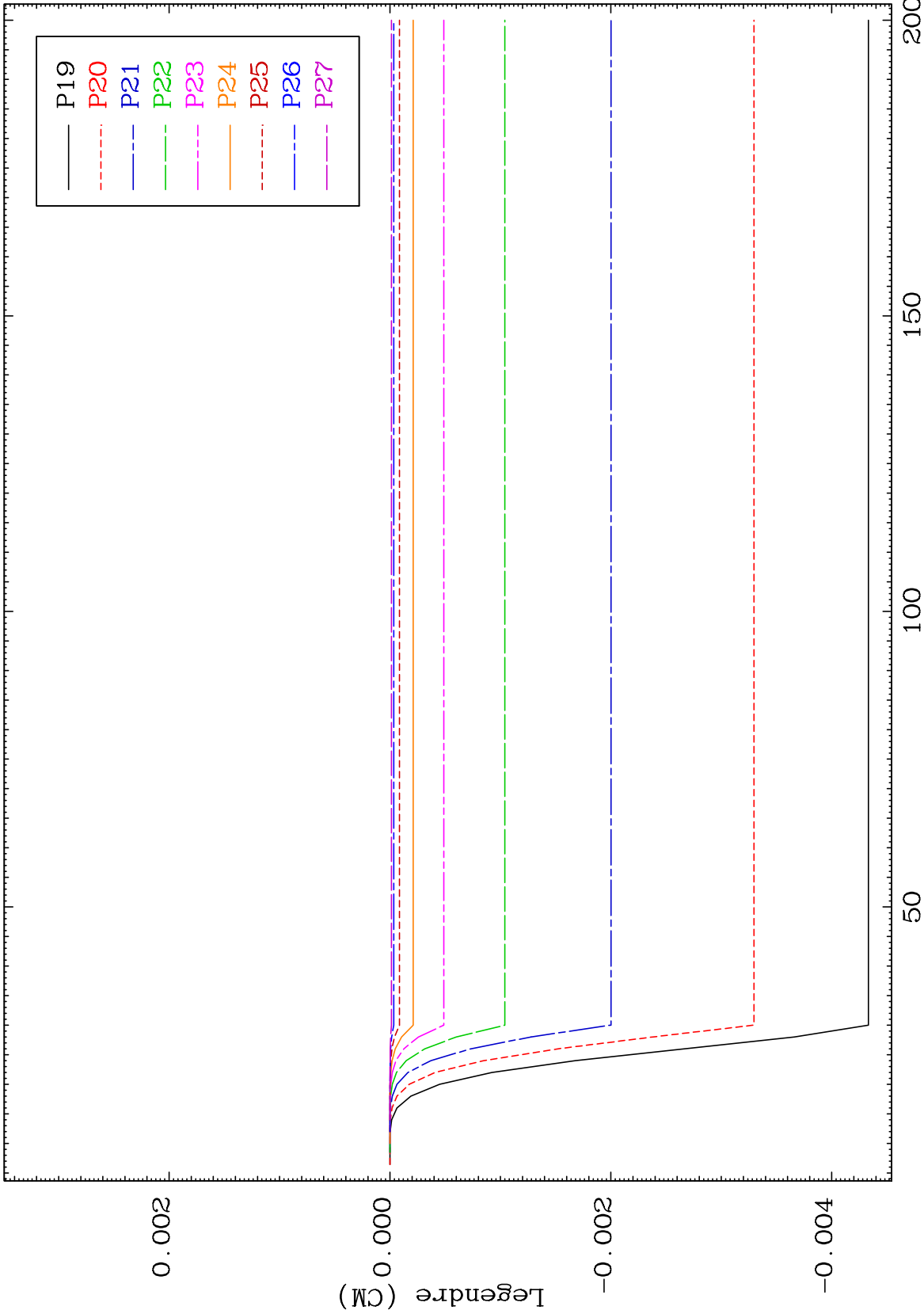
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59-Pr-139

MAT 5919

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

59-Pr-139

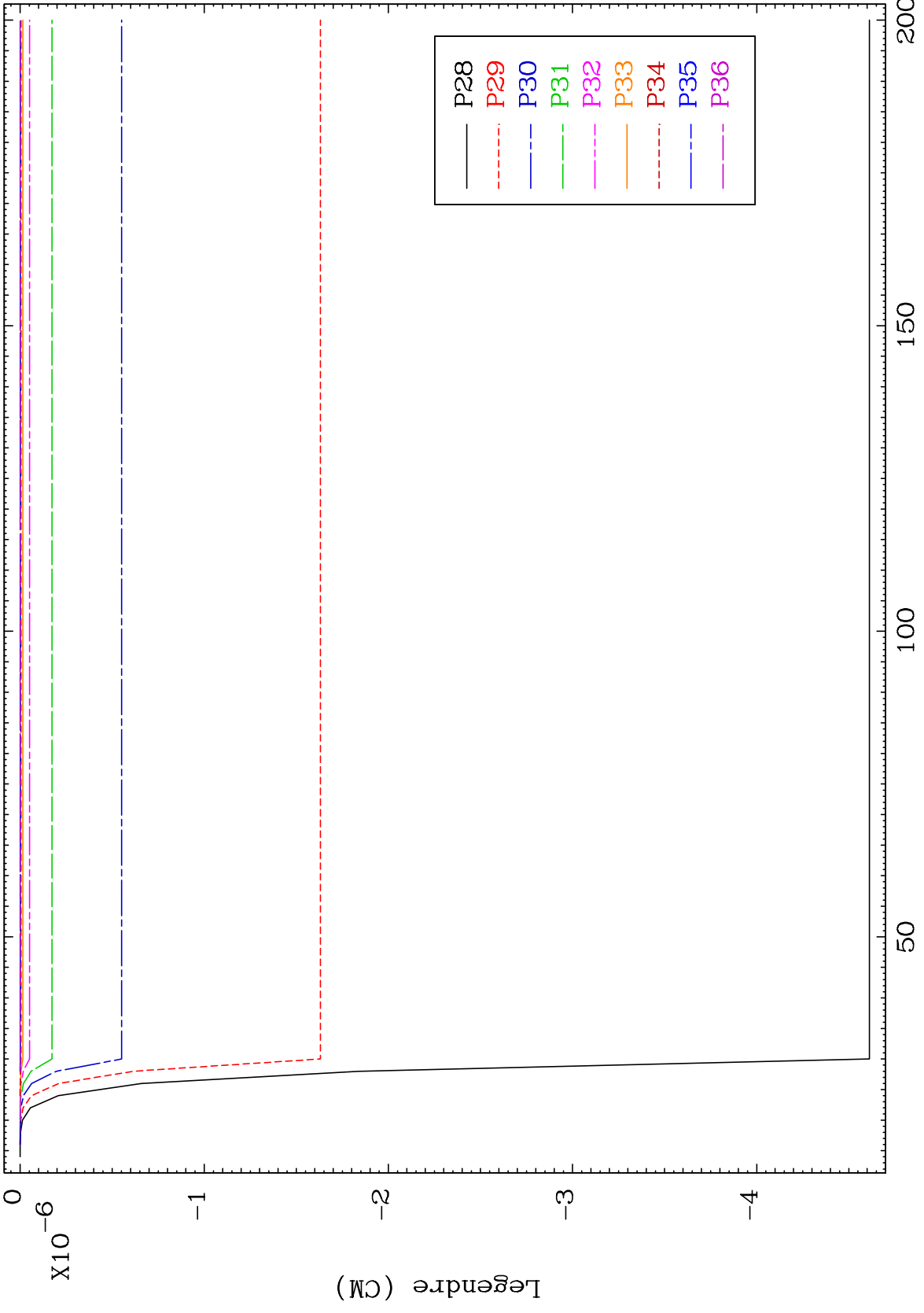


54

Incident Energy (MeV)

59-Pr-139

MAT 5919 MT= 59 (n,n') Level Legendre Coefficients 59-Pr-139

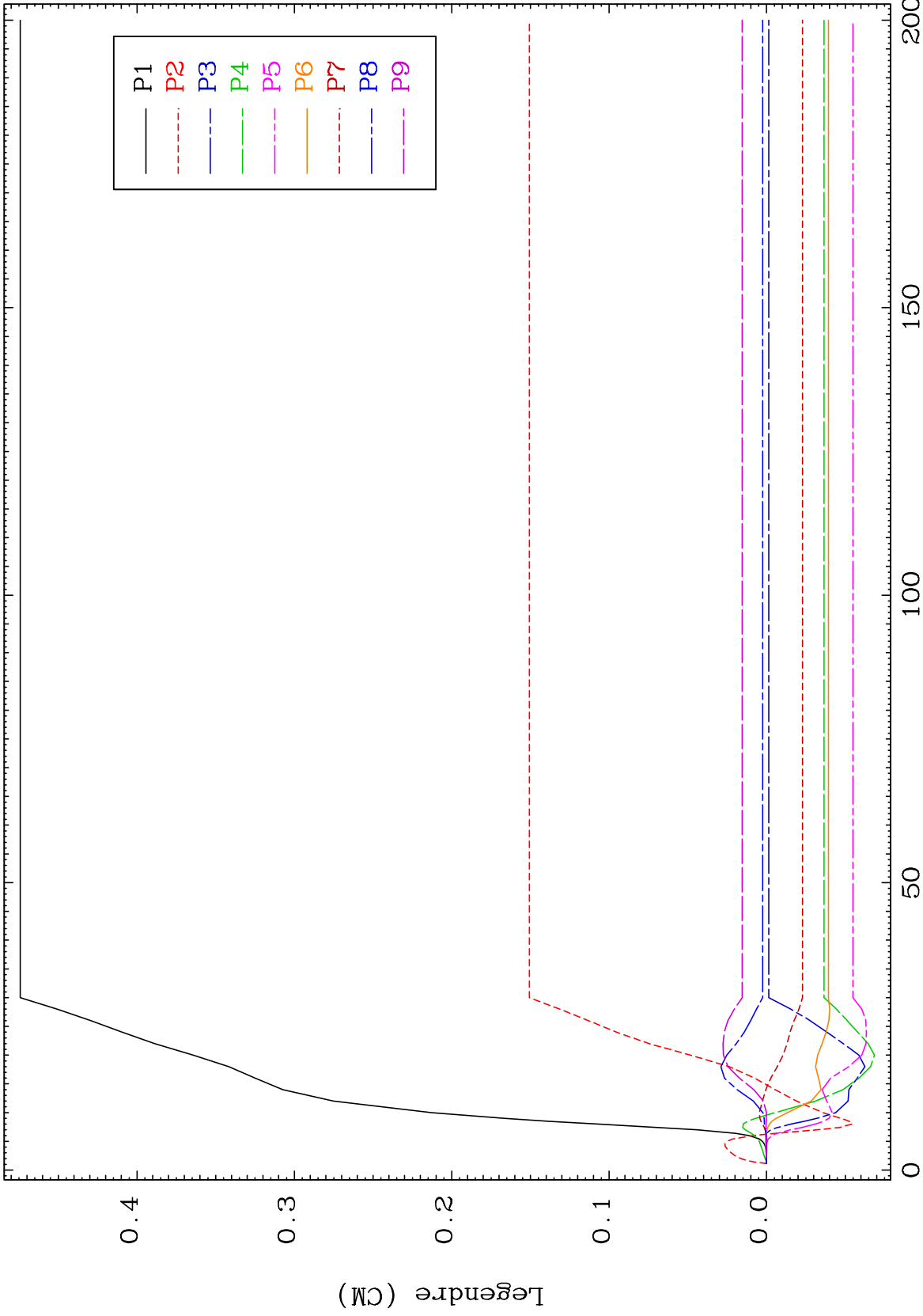


55 Incident Energy (MeV) 59-Pr-139

MAT 5919

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

59-Pr-139



56

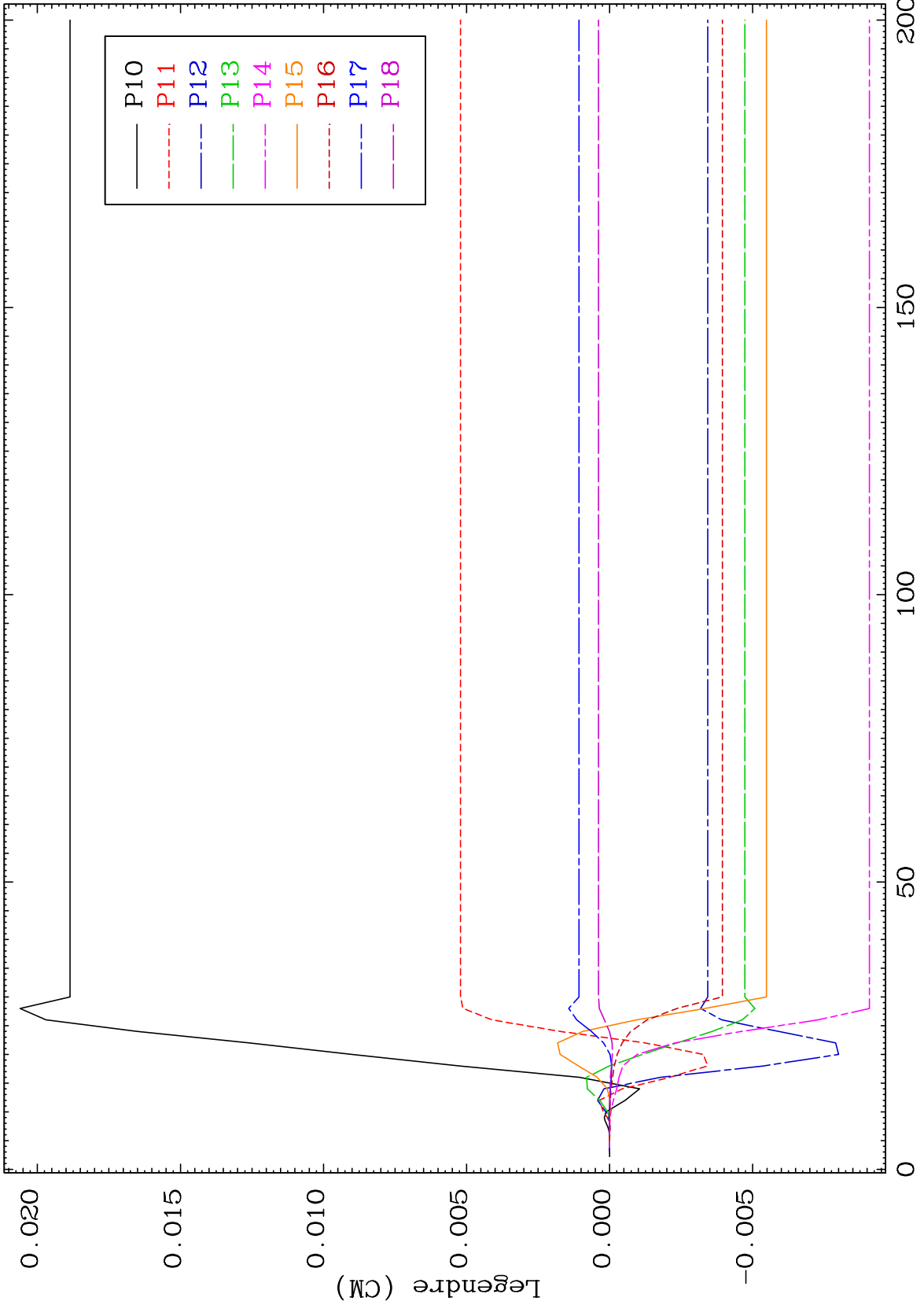
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

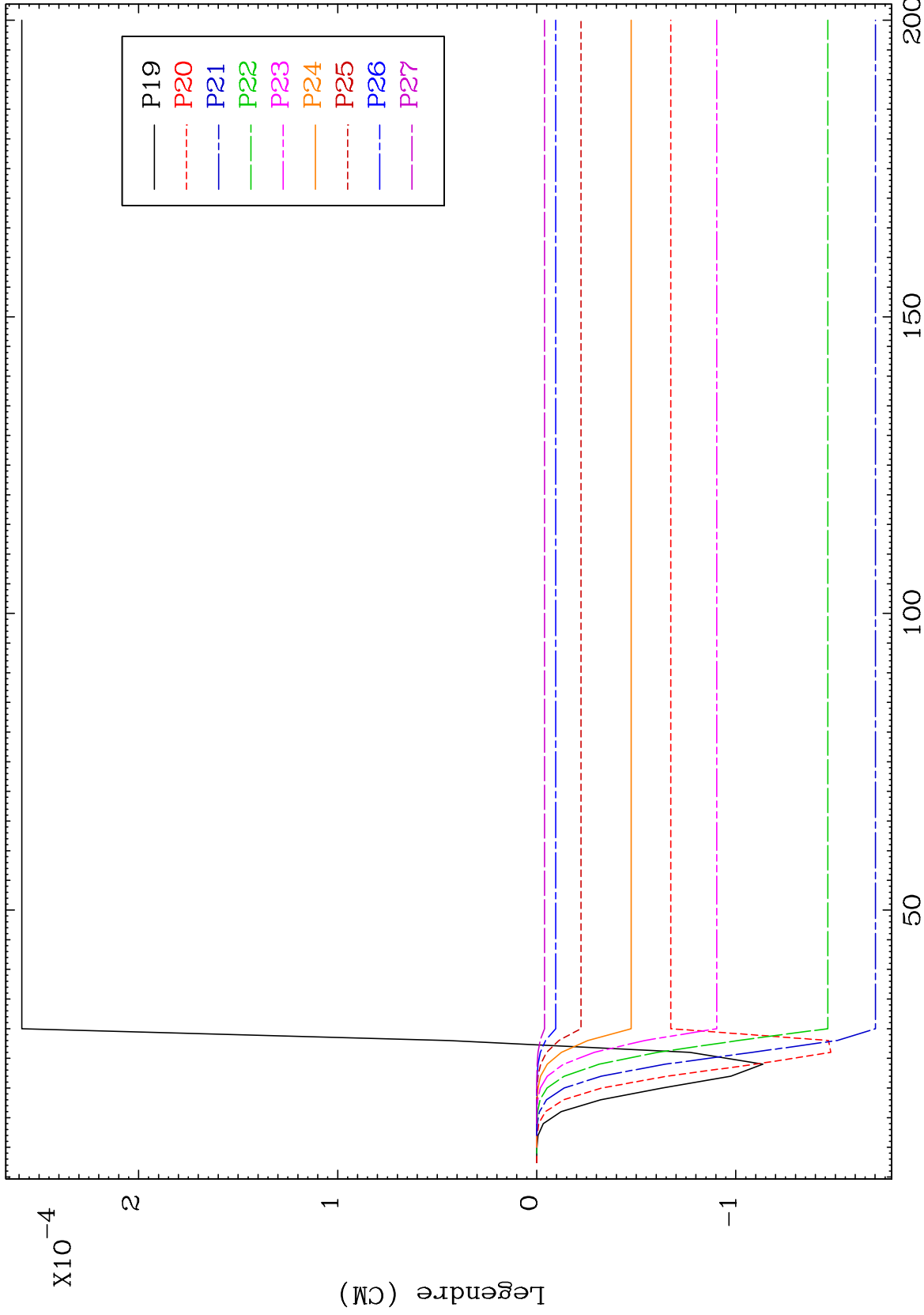
59-Pr-139



57

Incident Energy (MeV)

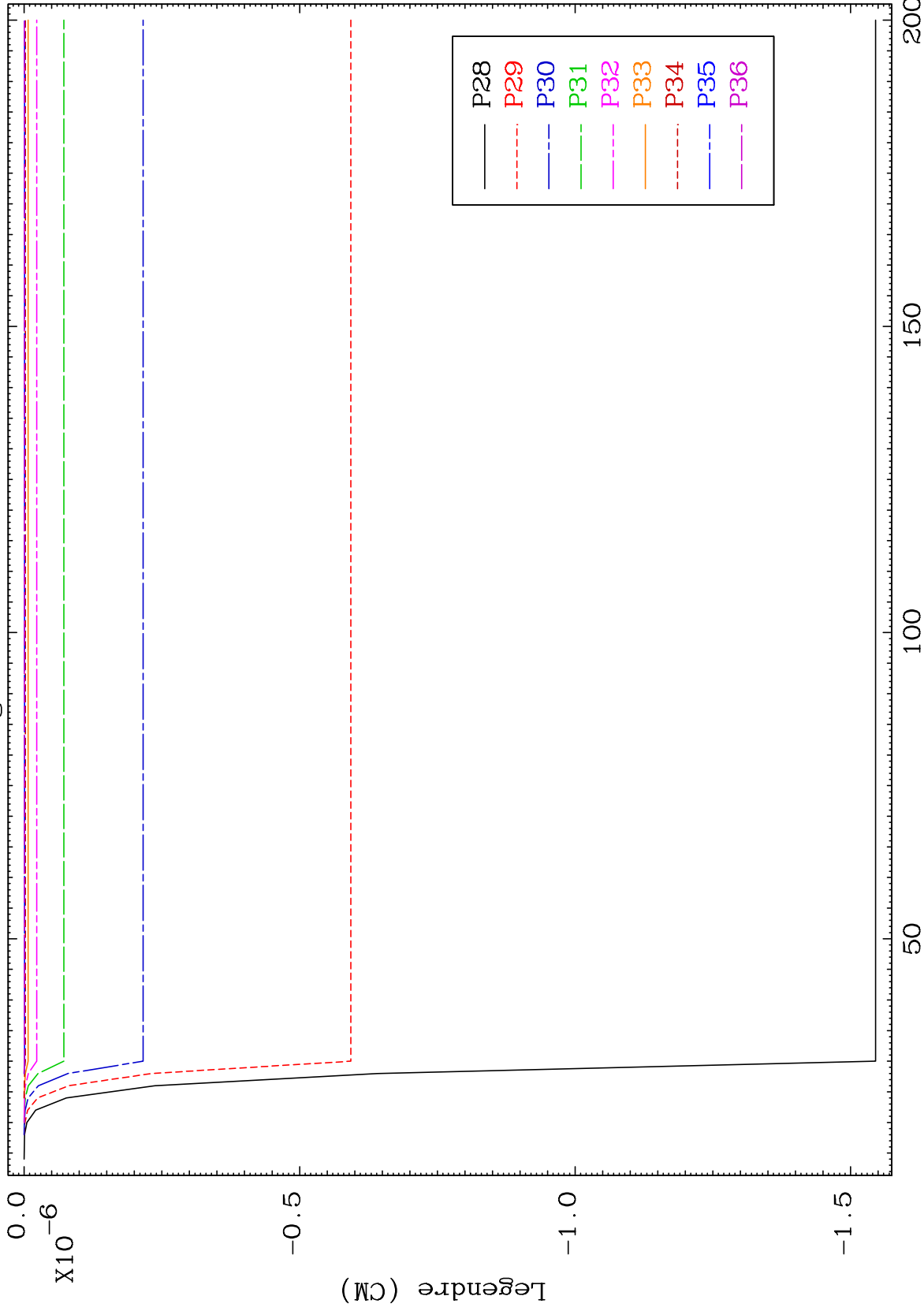
59-Pr-139



MAT 5919

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

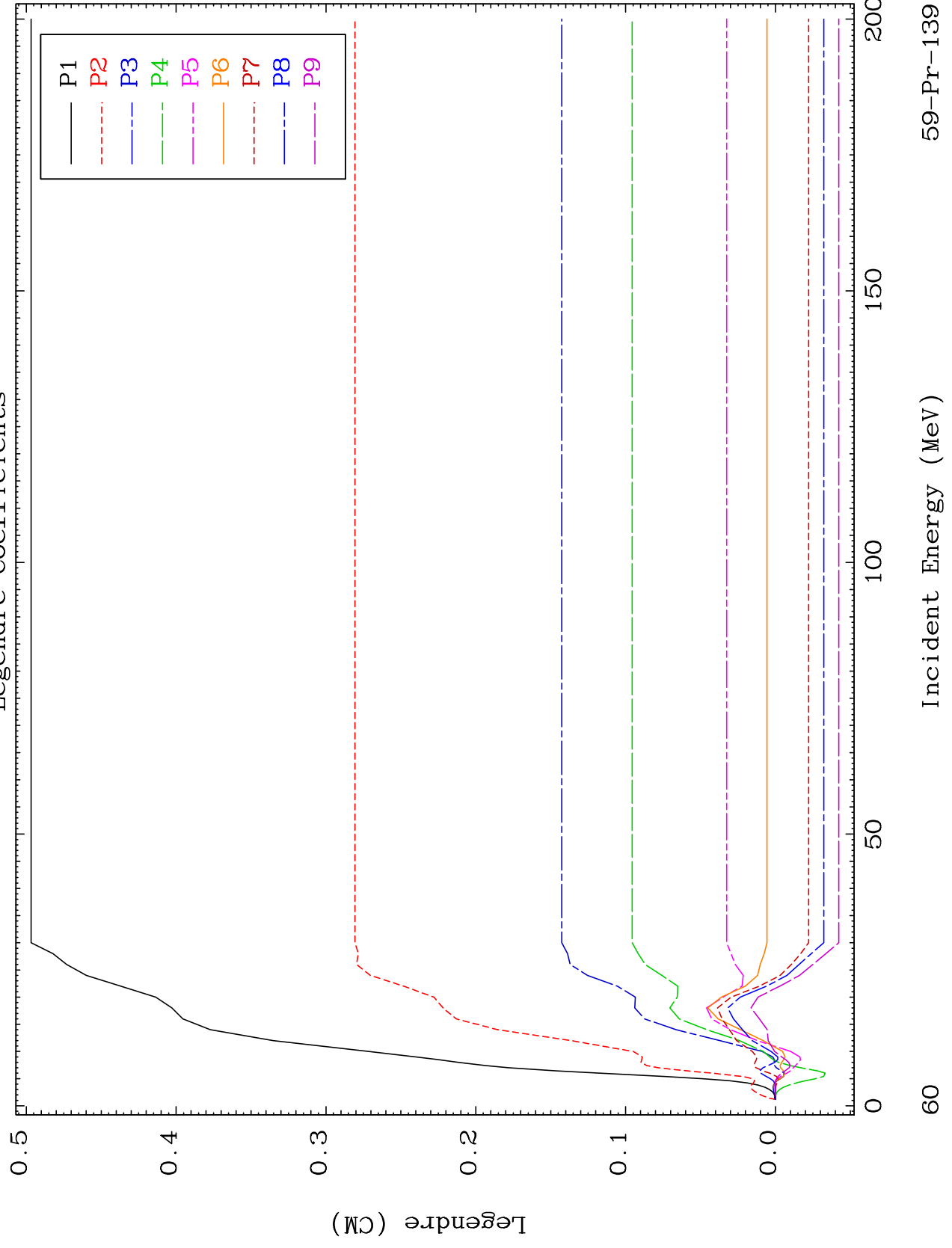
59-Pr-139



59

59-Pr-139

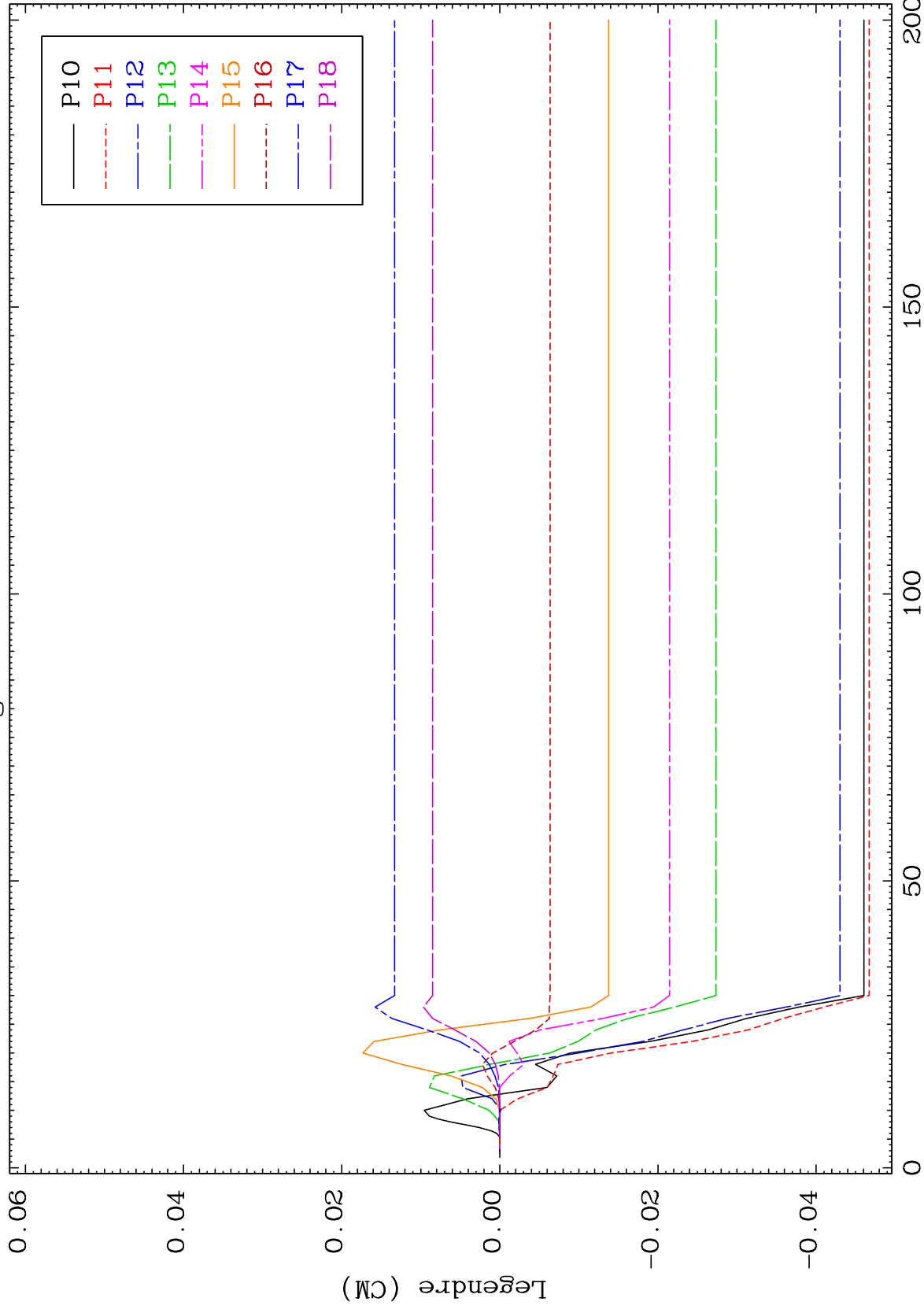
MAT 5919 MT= 61 (n,n') Level Legendre Coefficients 59-Pr-139



MAT 5919

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

59-Pr-139



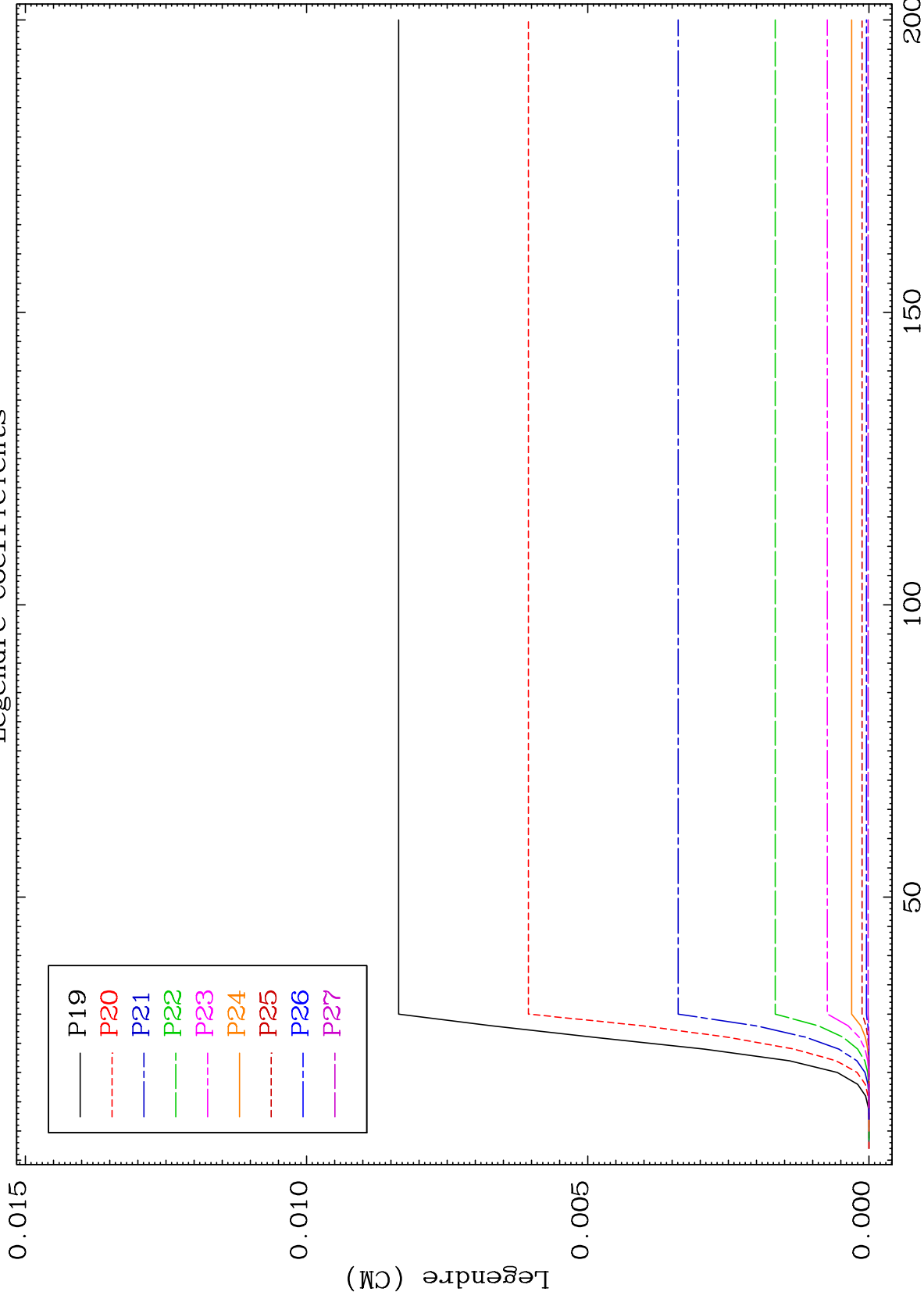
61

59-Pr-139

MAT 5919

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

59-Pr-139



62

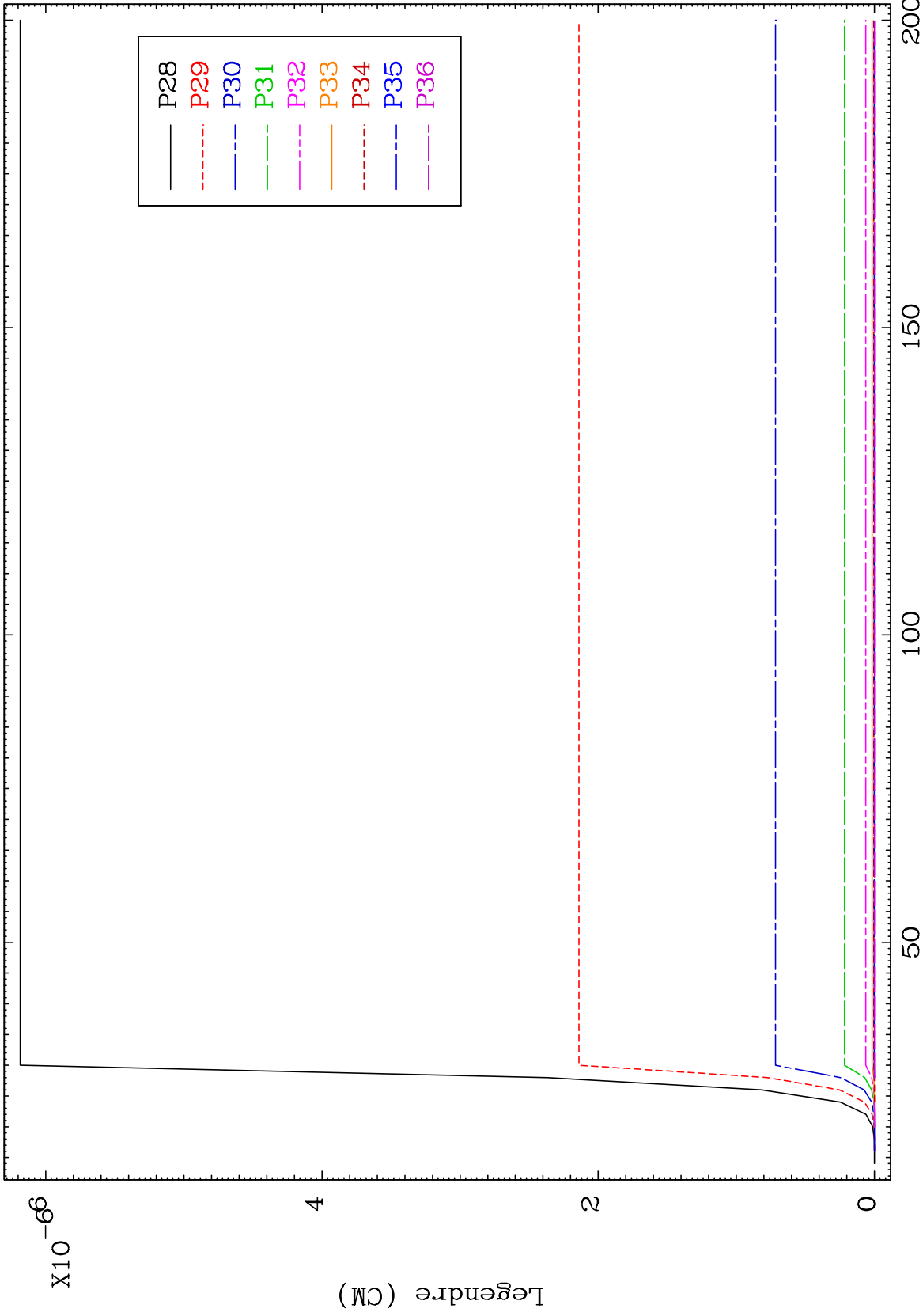
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



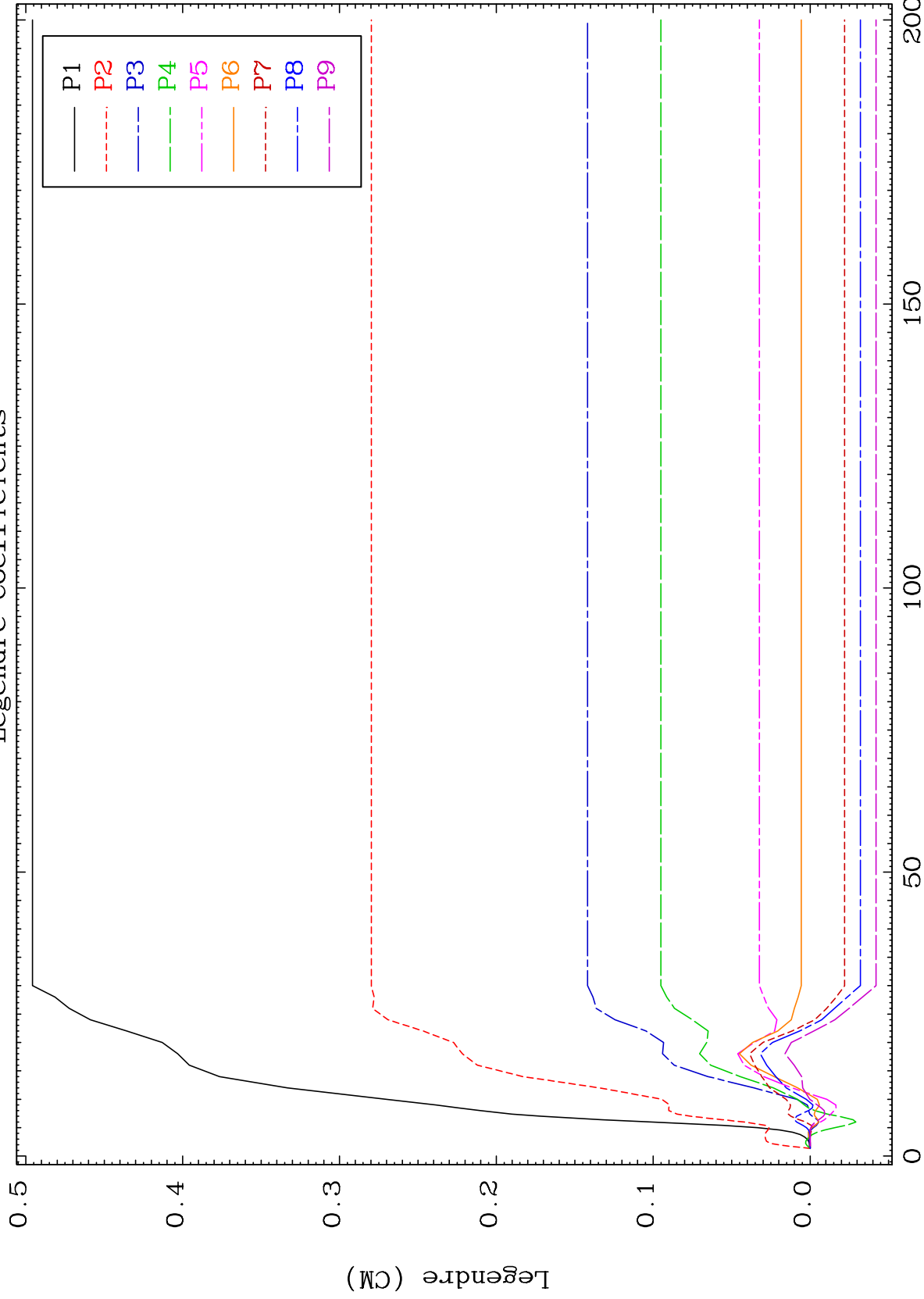
63

59-Pr-139

MAT 5919

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

59-Pr-139



64

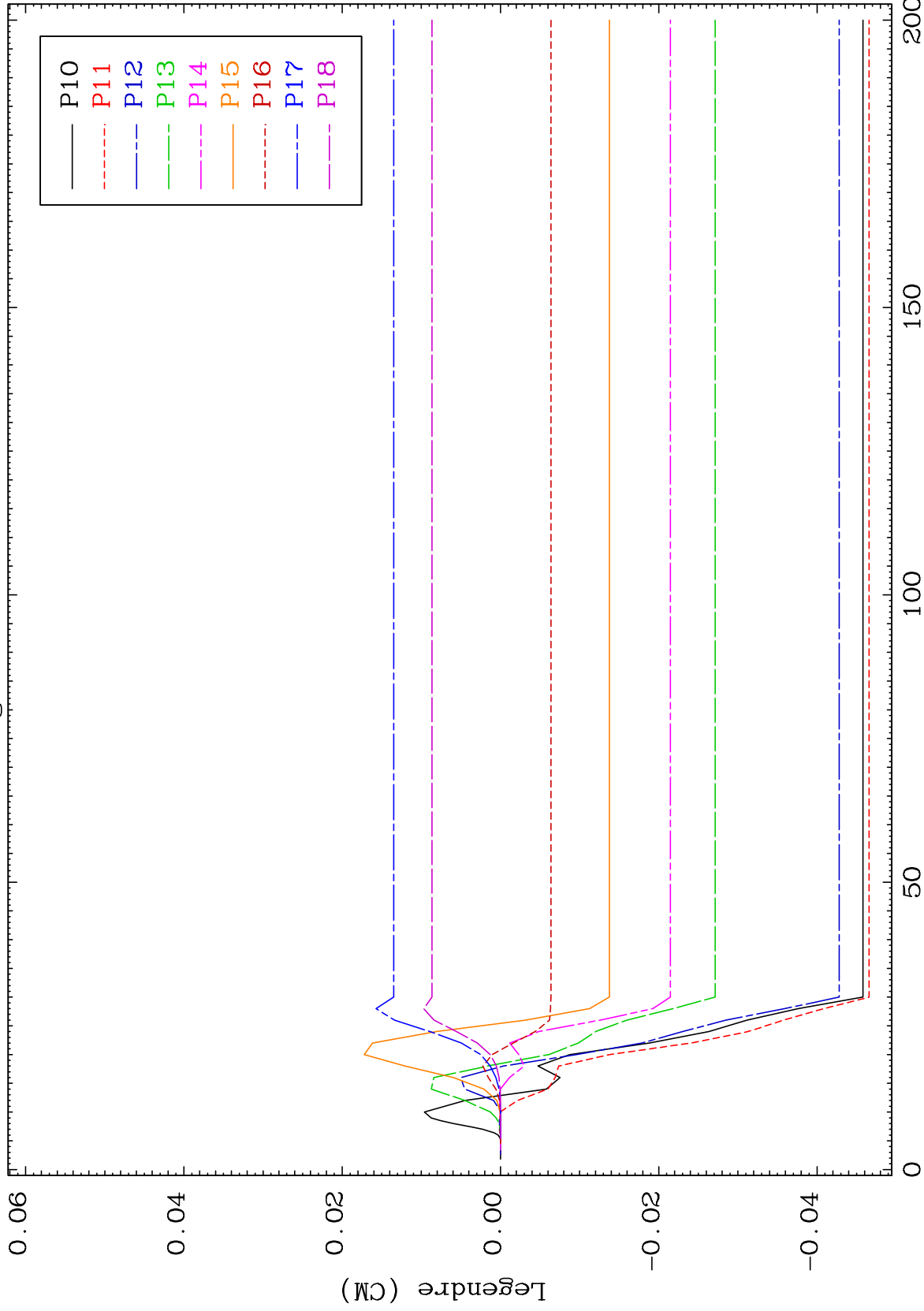
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



65

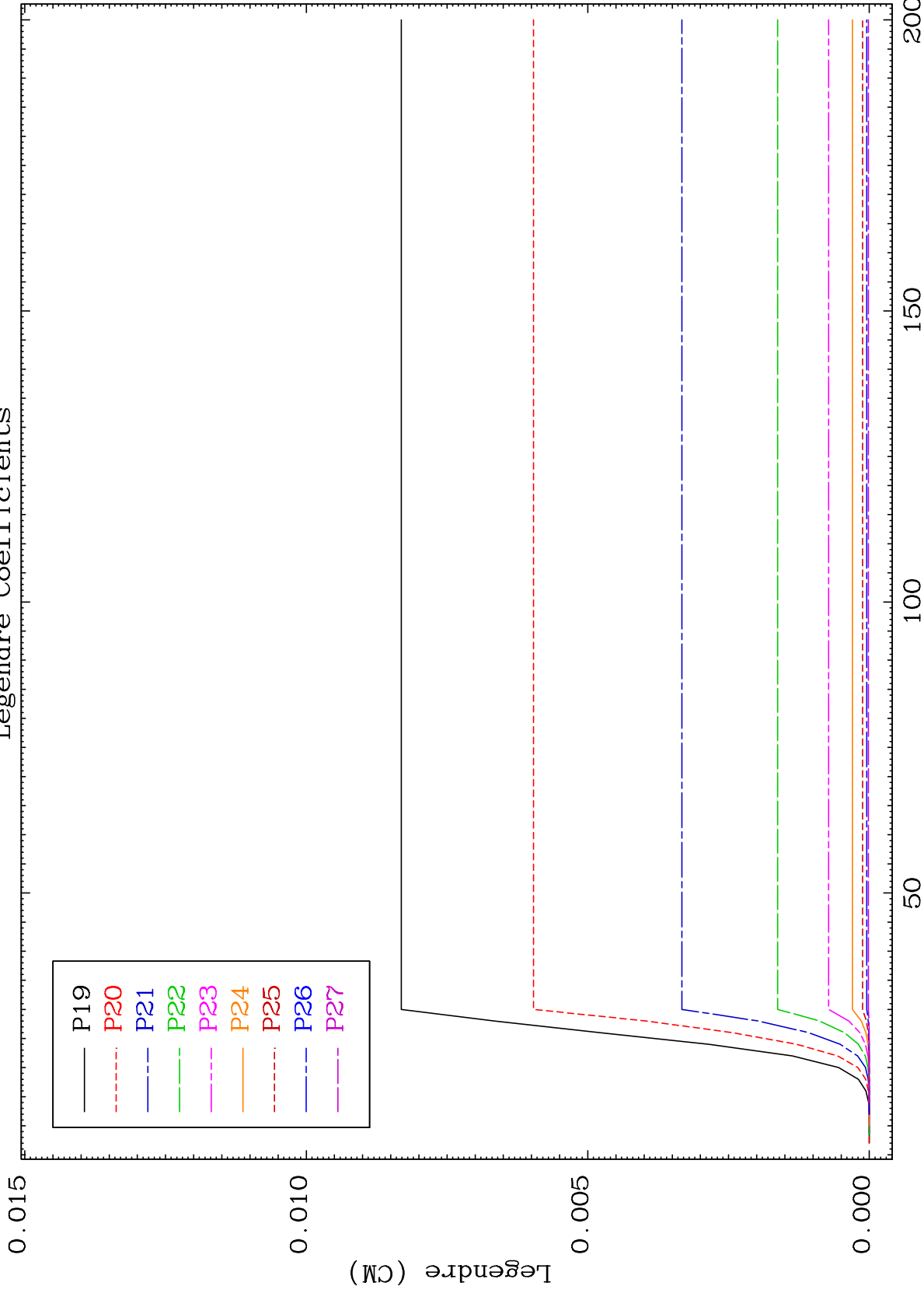
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



66

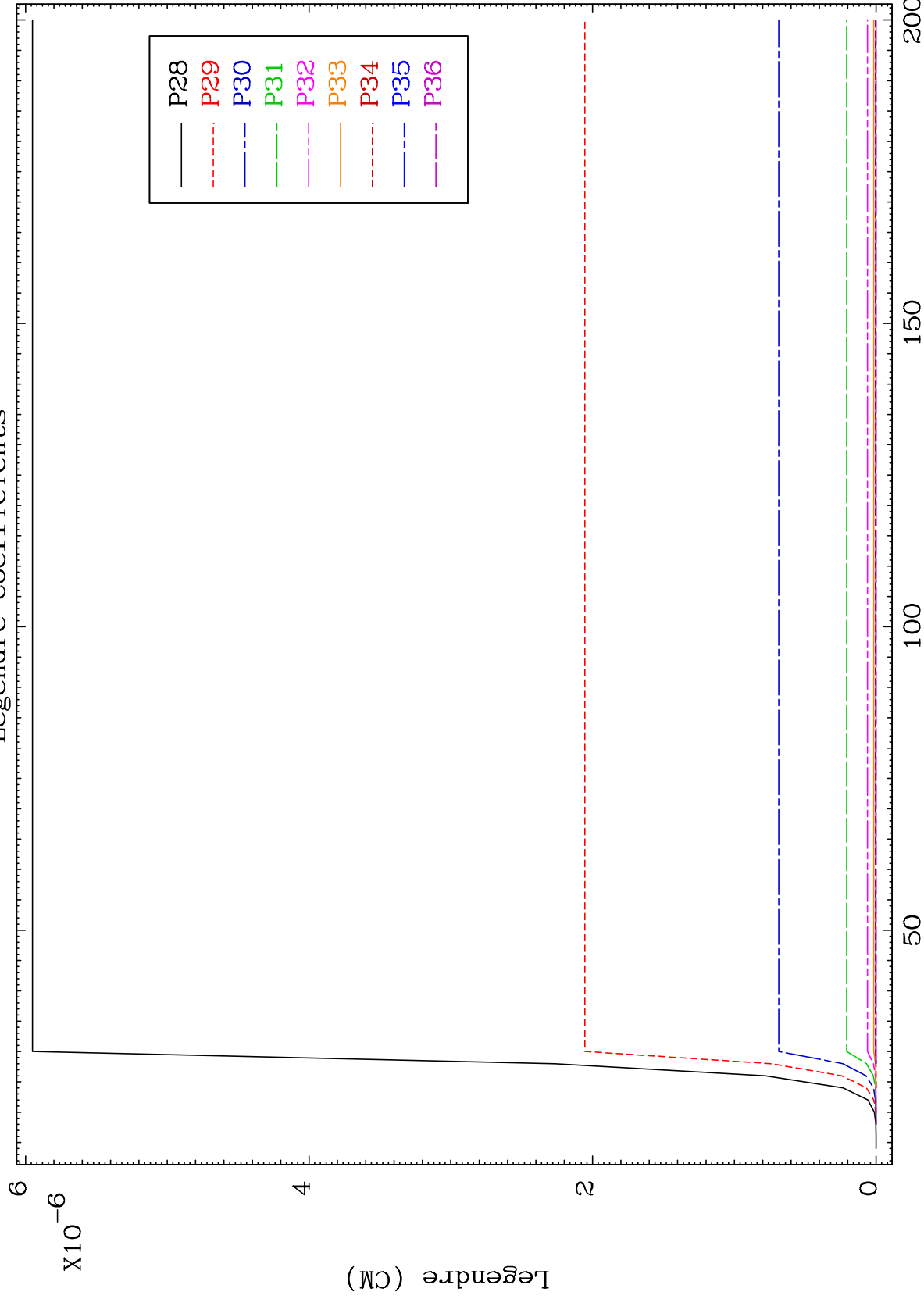
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



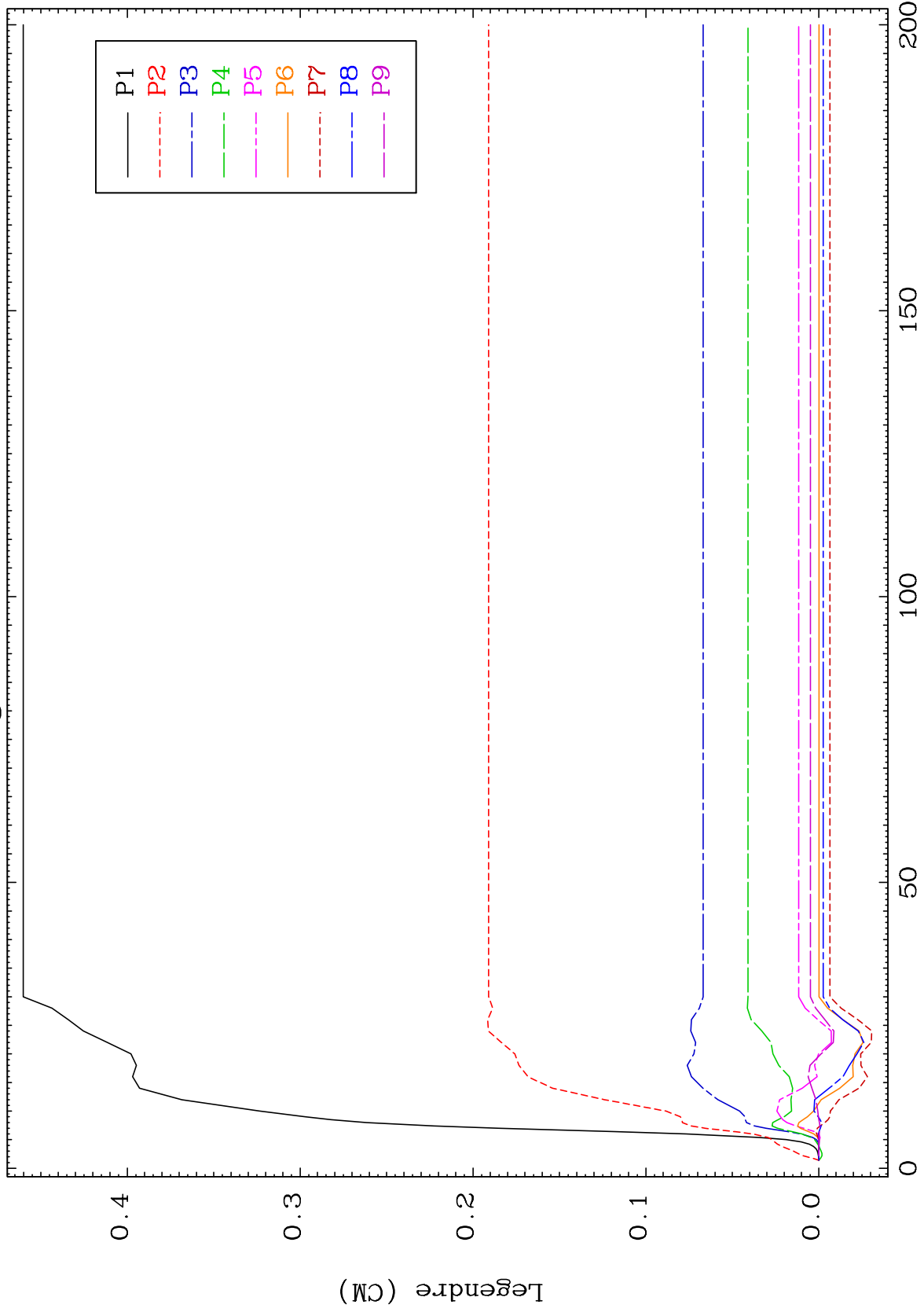
67

59-Pr-139

MAT 5919

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

59-Pr-139



68

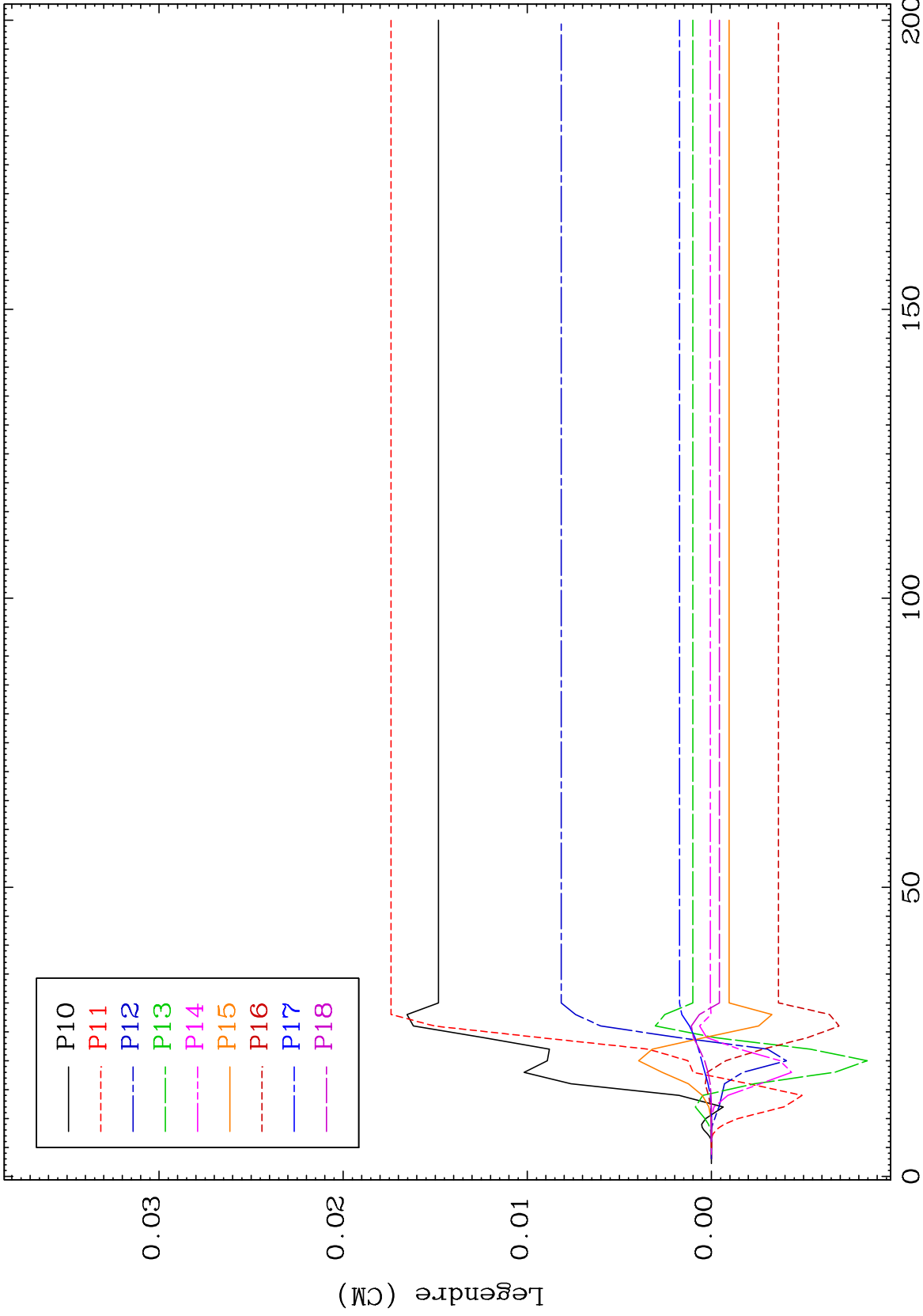
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



69

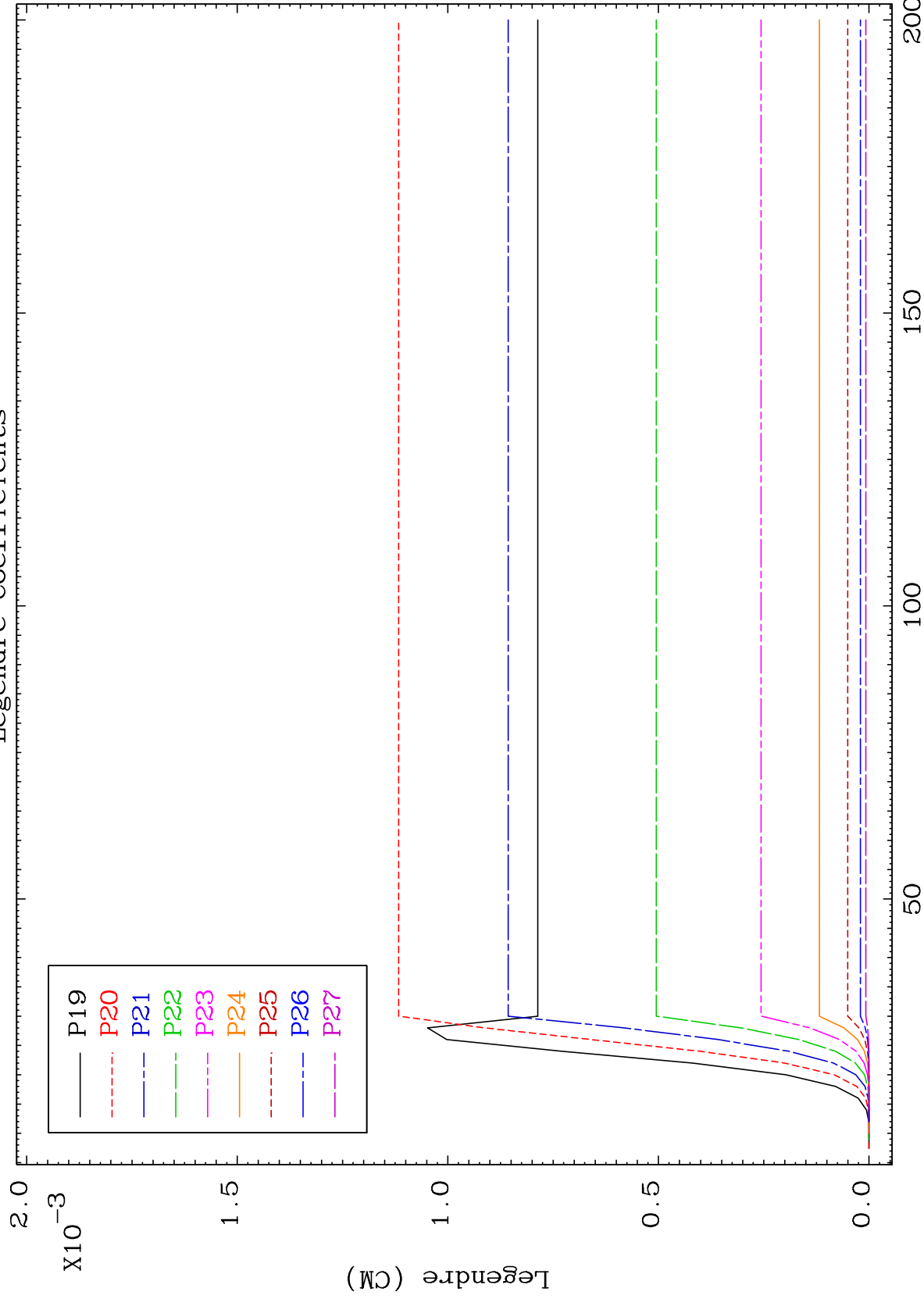
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



70

Incident Energy (MeV)

50

100

150

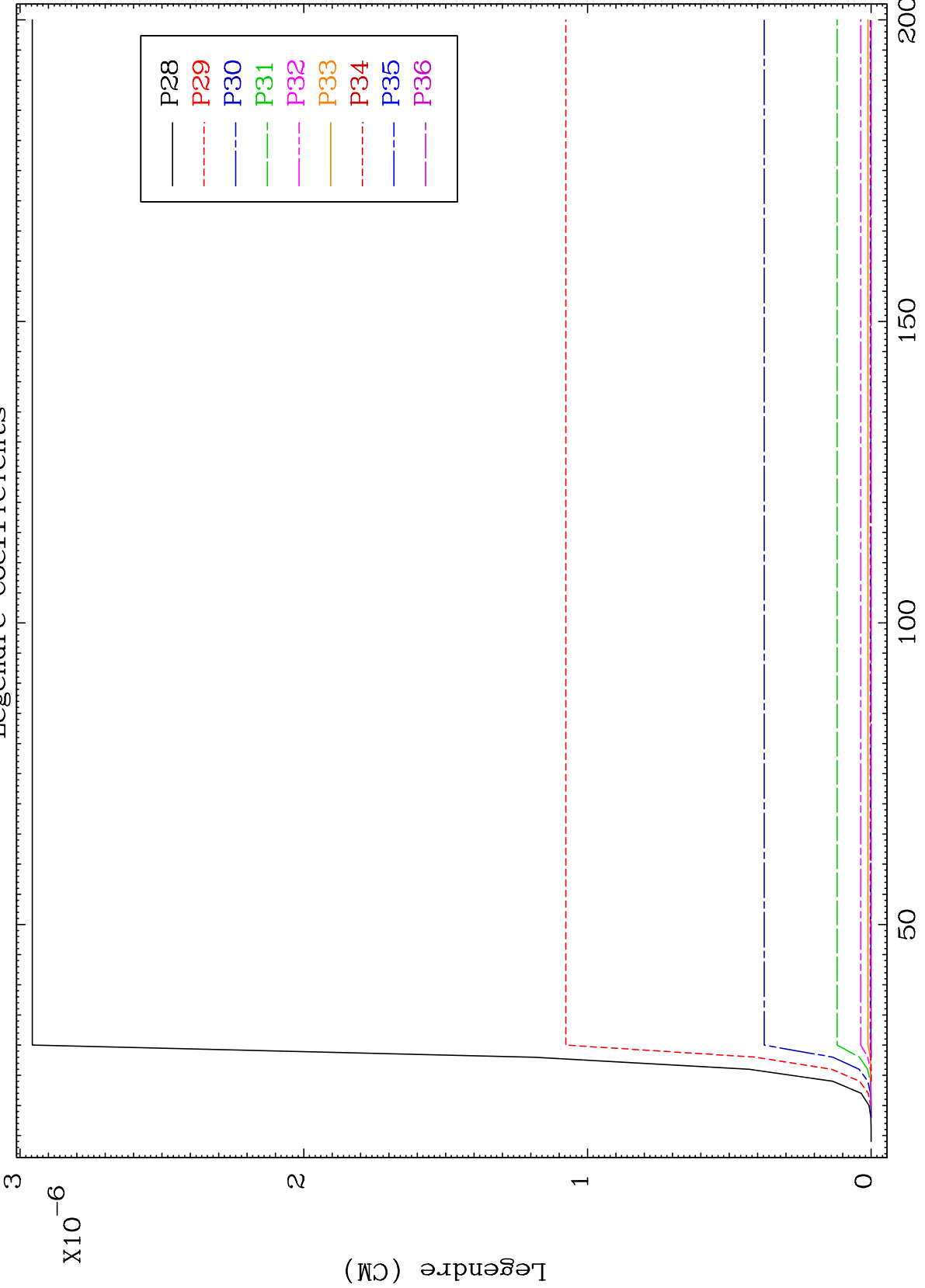
200

59-Pr-139

MAT 5919

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

59-Pr-139



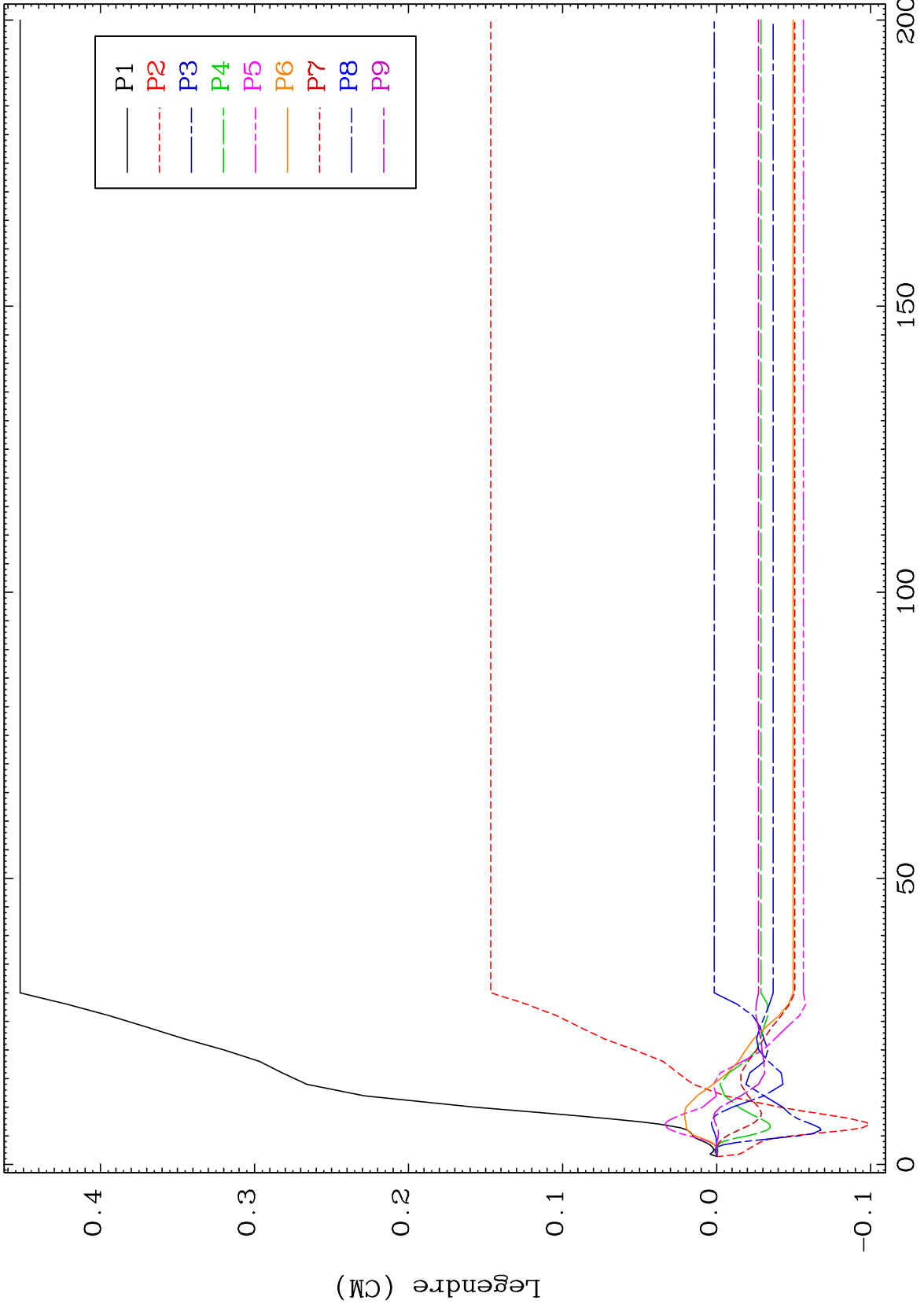
71

59-Pr-139

MAT 5919

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

59-Pr-139



72

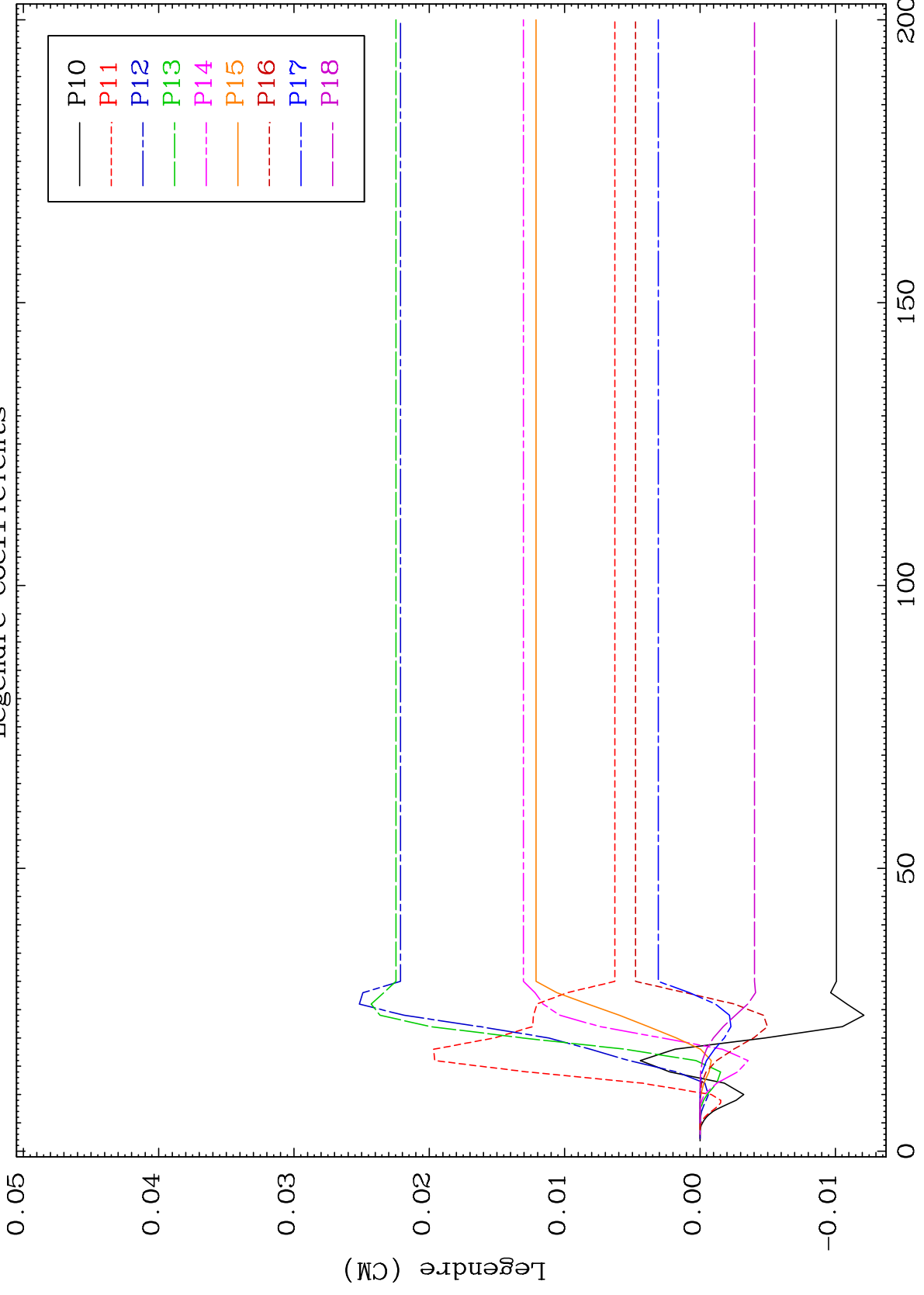
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



73

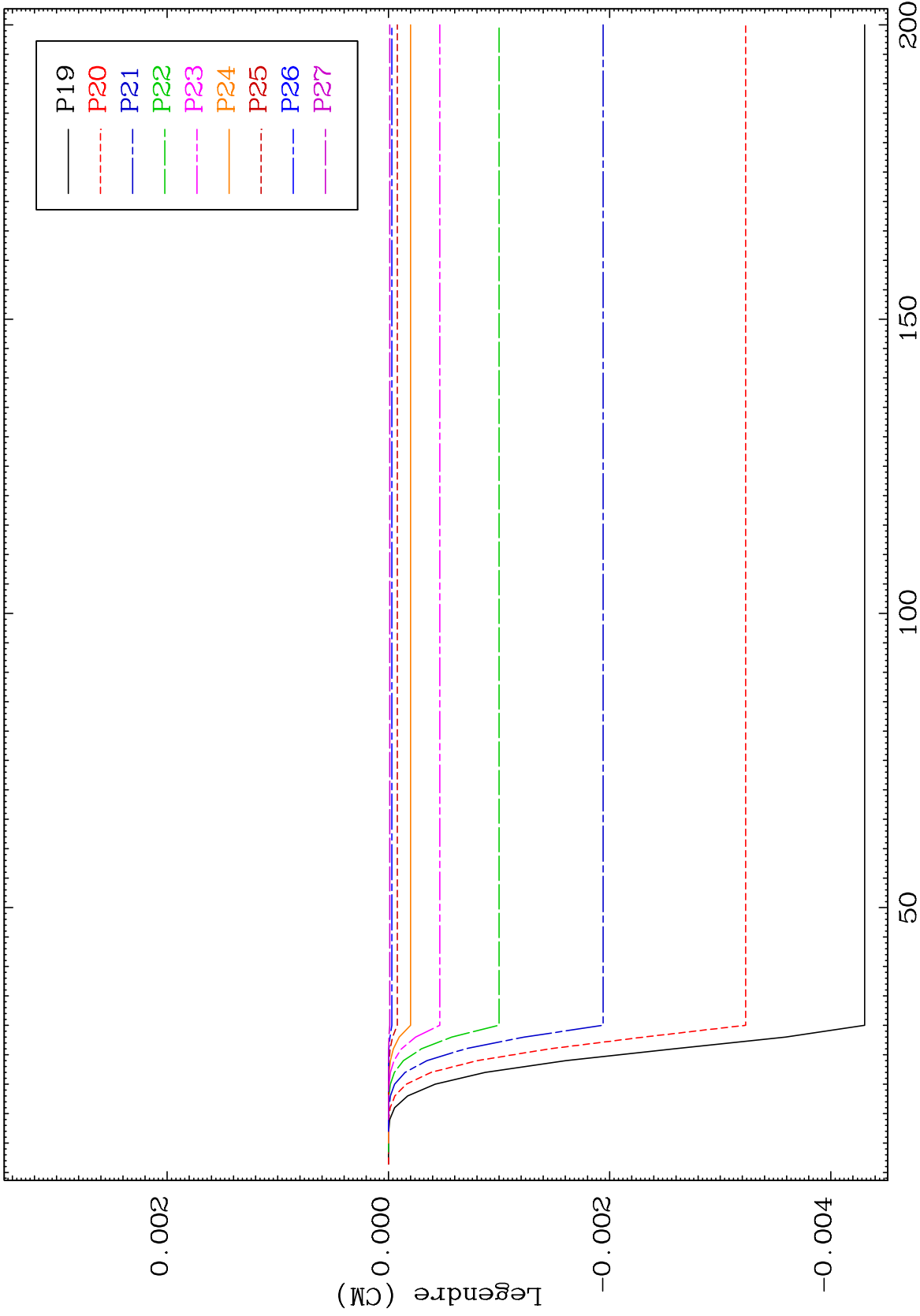
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



74

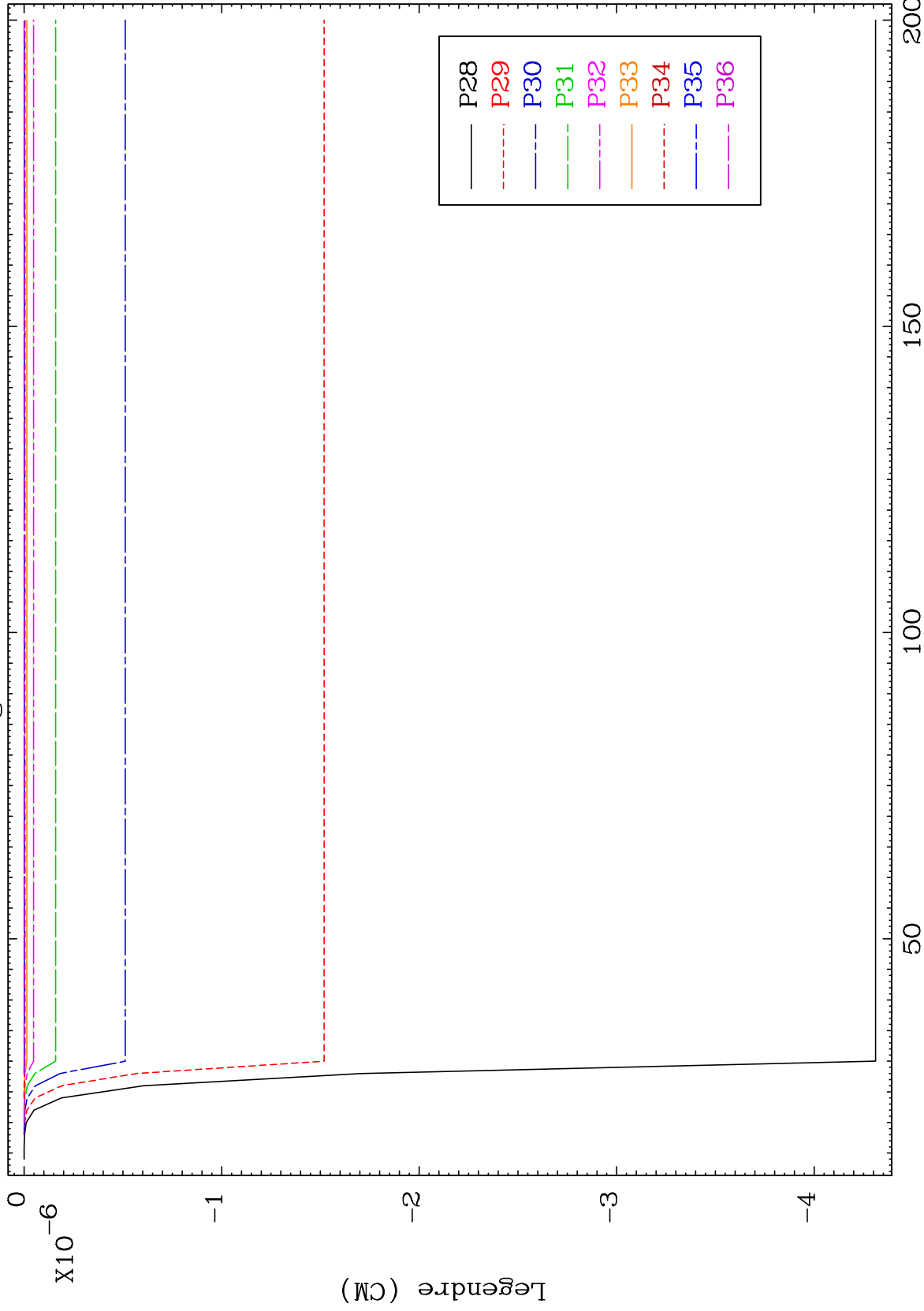
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



75

50

100

150

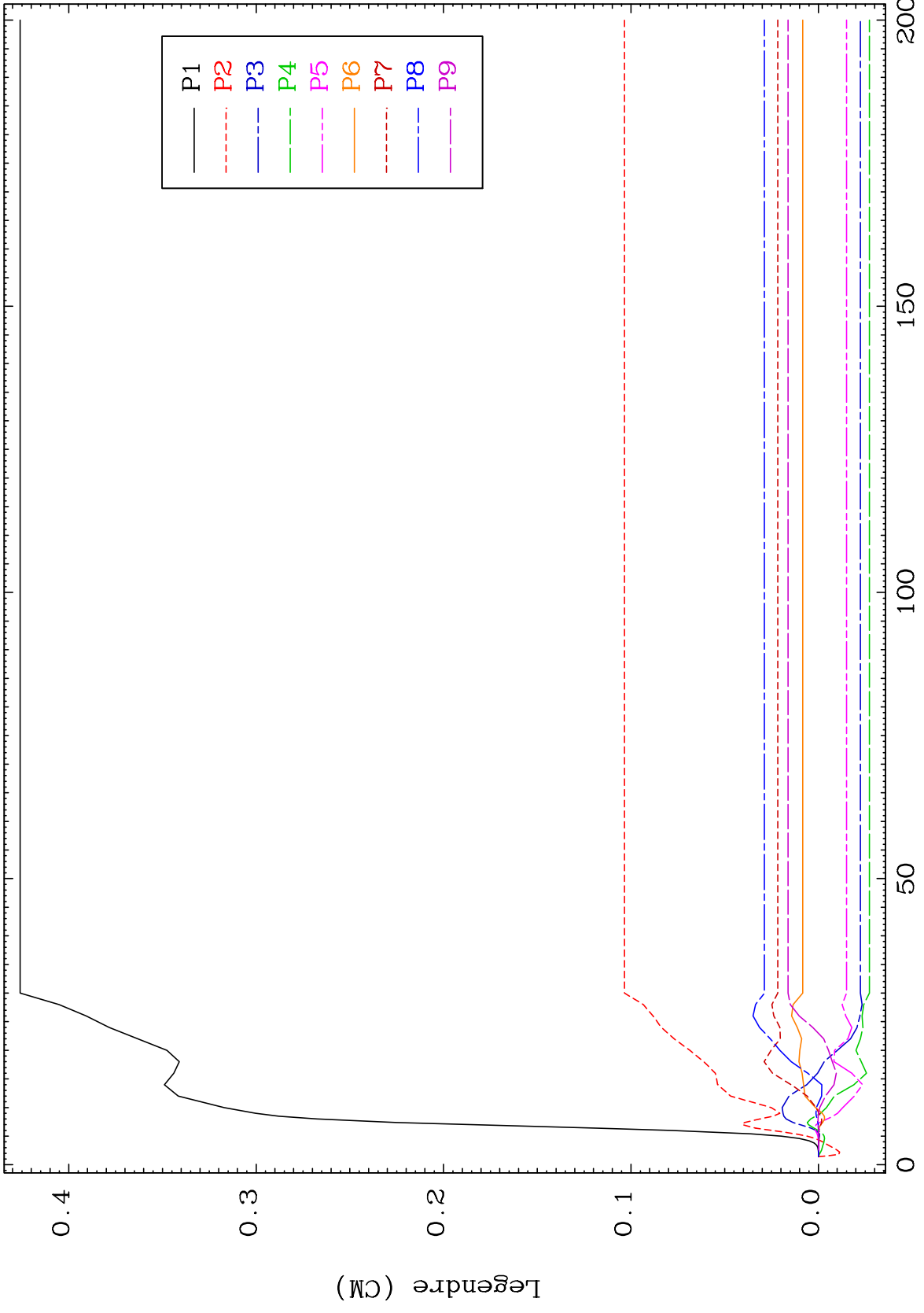
200

59-Pr-139

MAT 5919

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

59-Pr-139



76

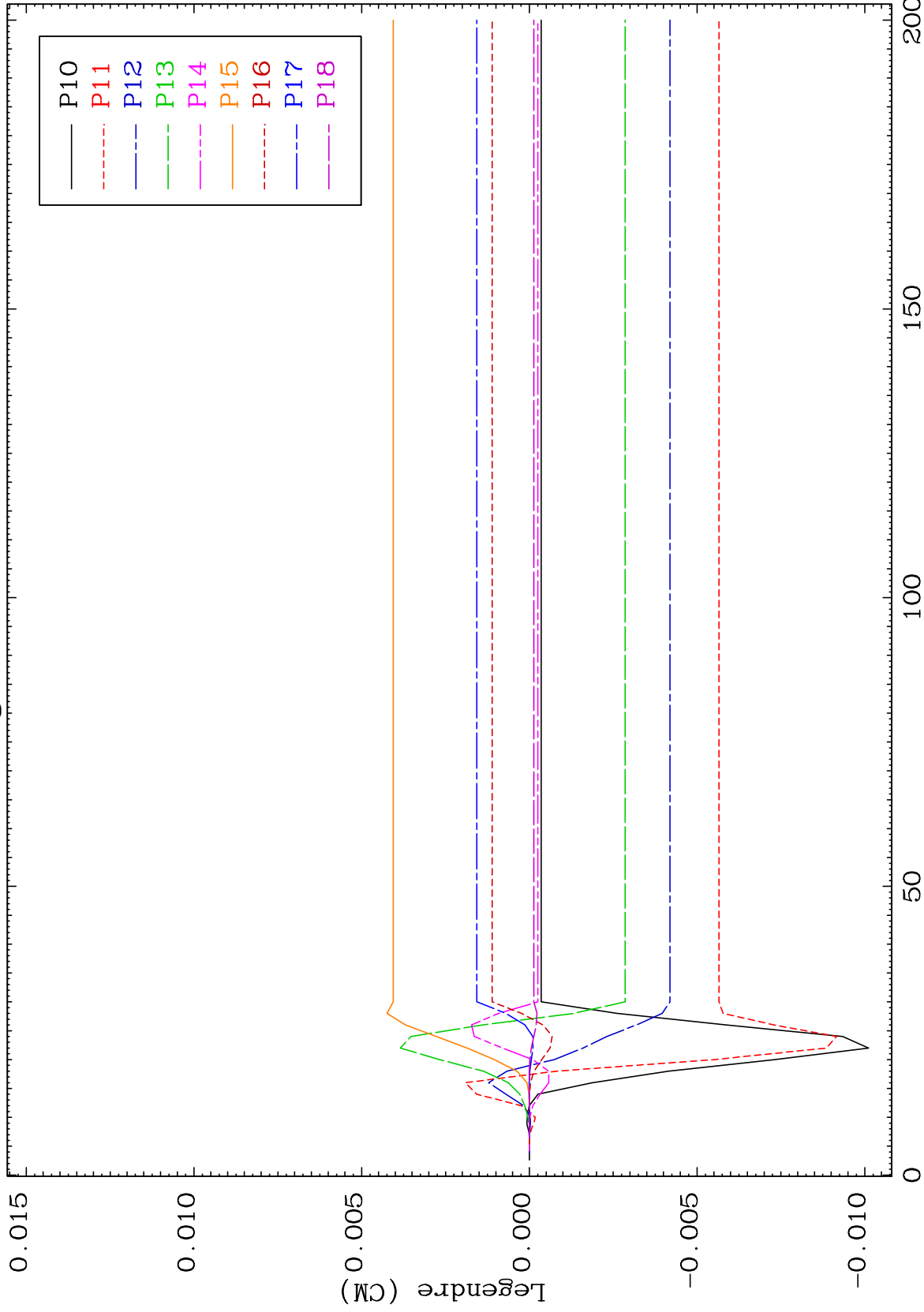
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



77

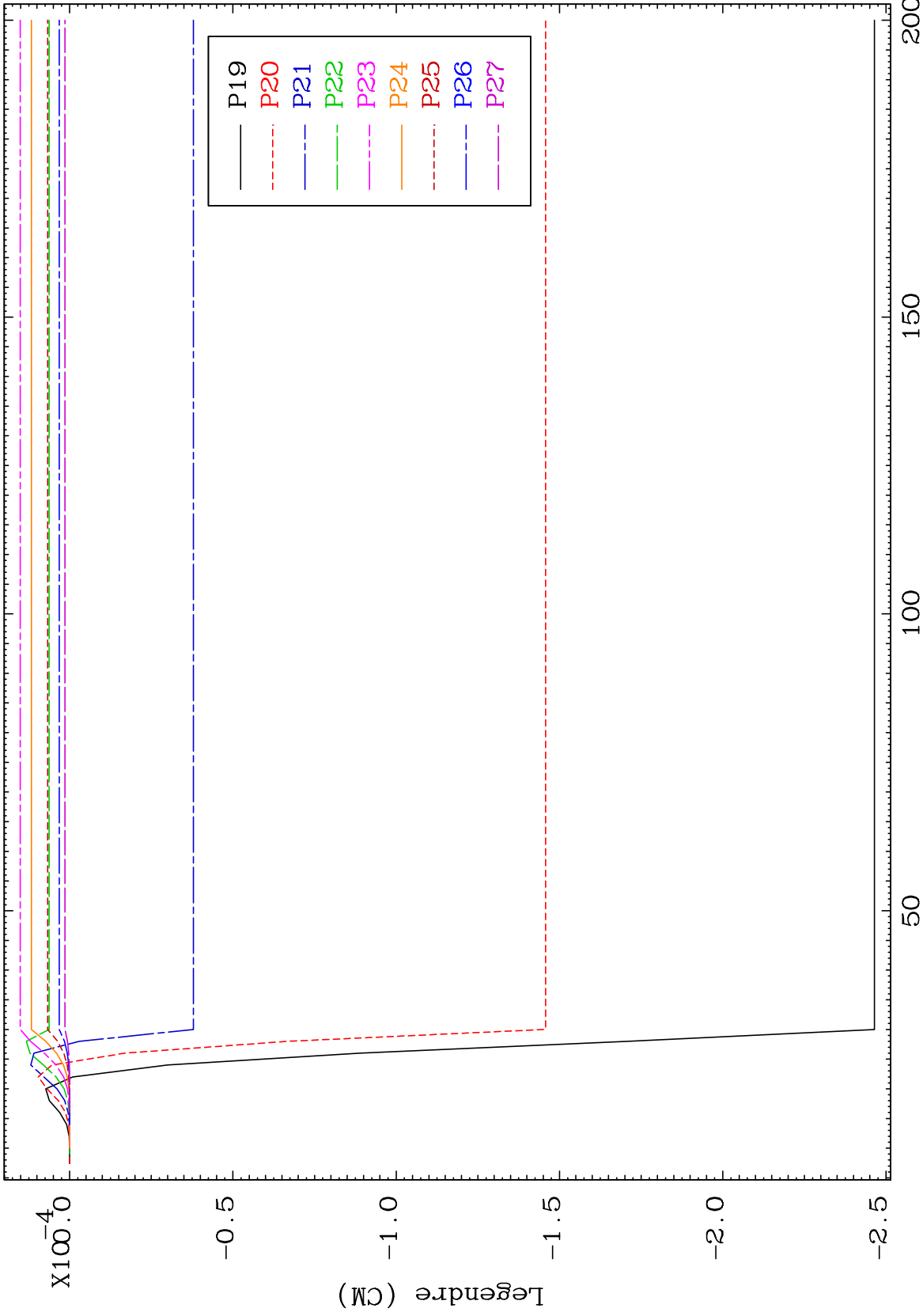
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



78

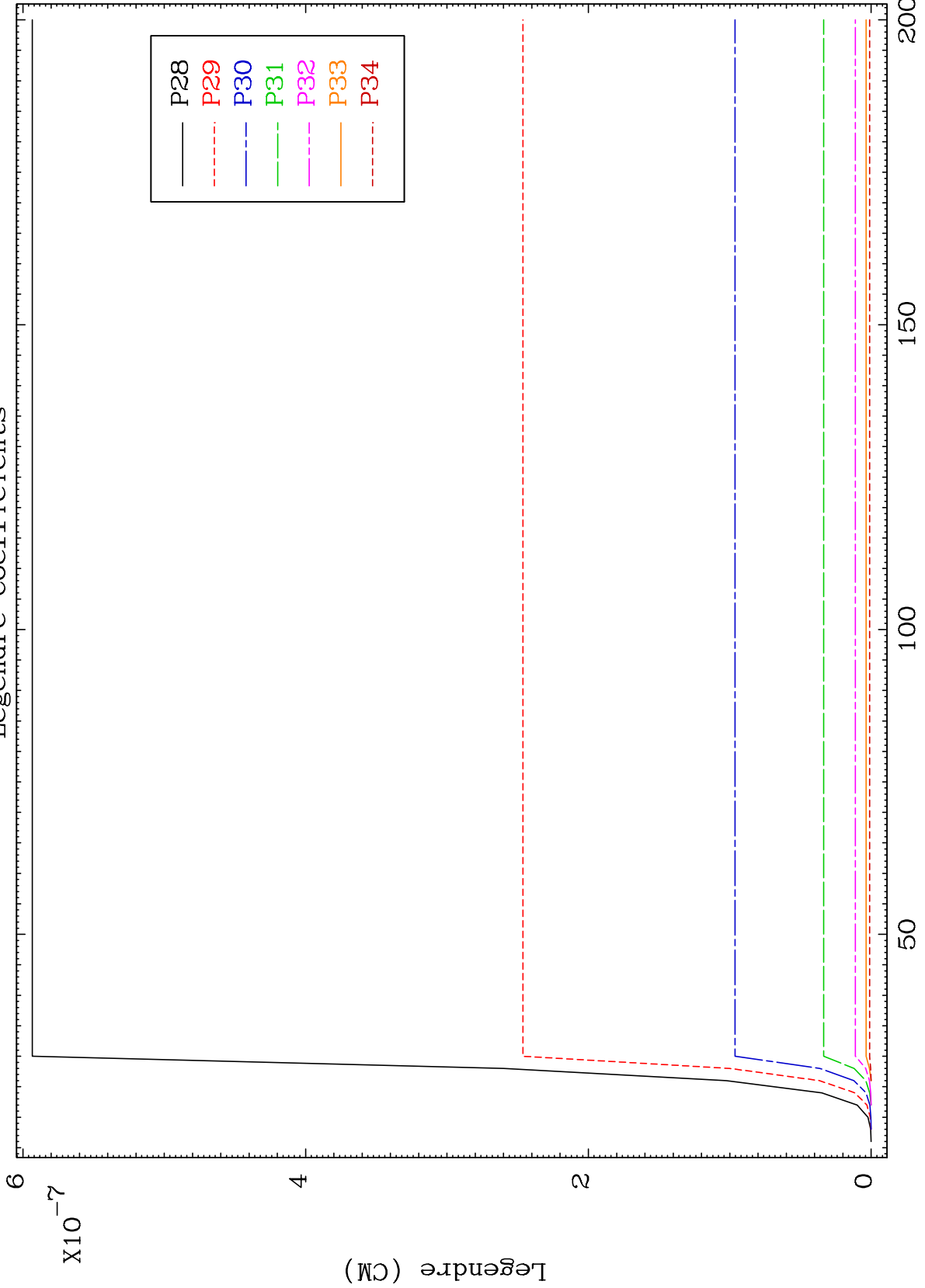
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139

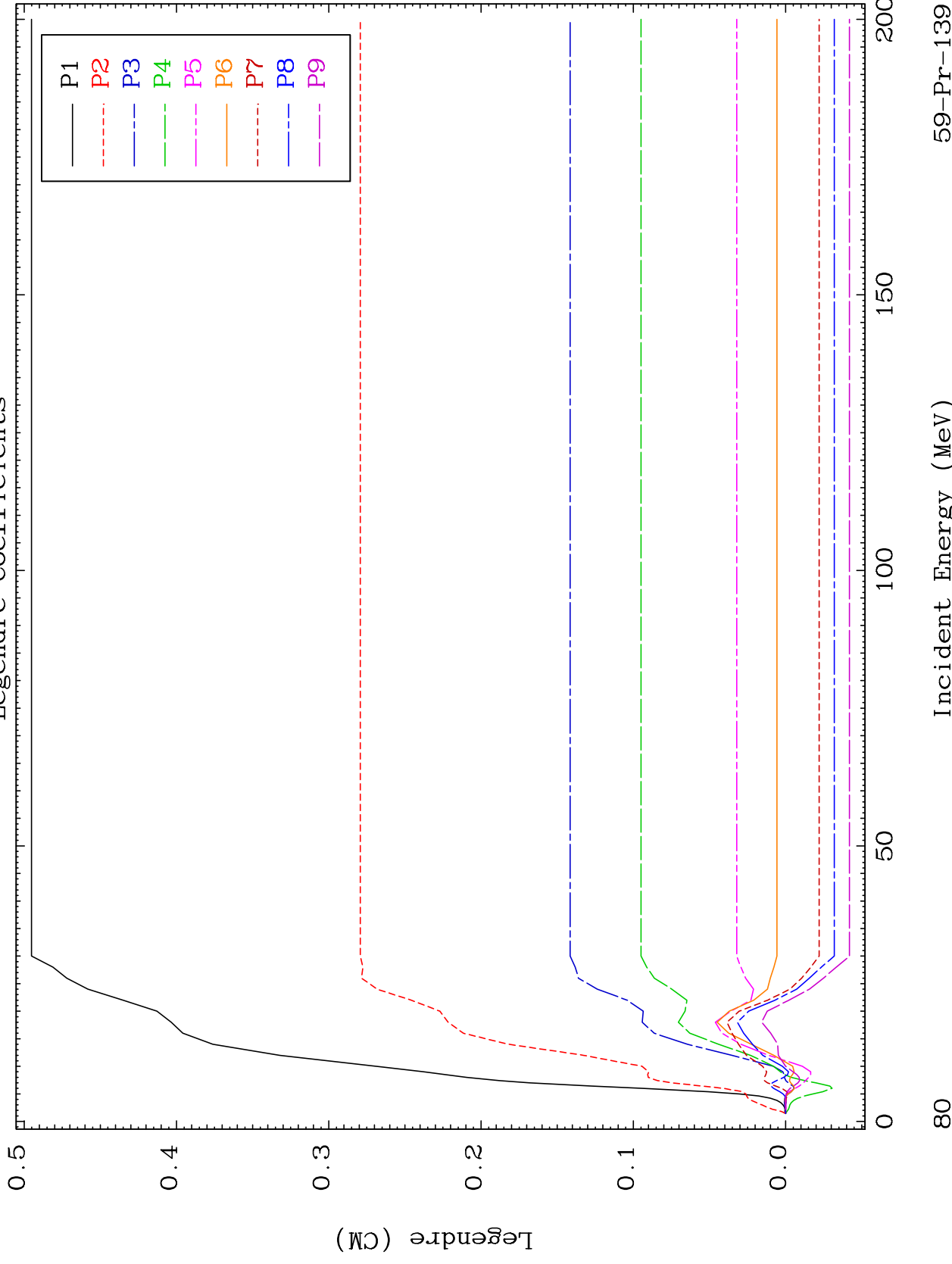


79

Incident Energy (MeV)

59-Pr-139

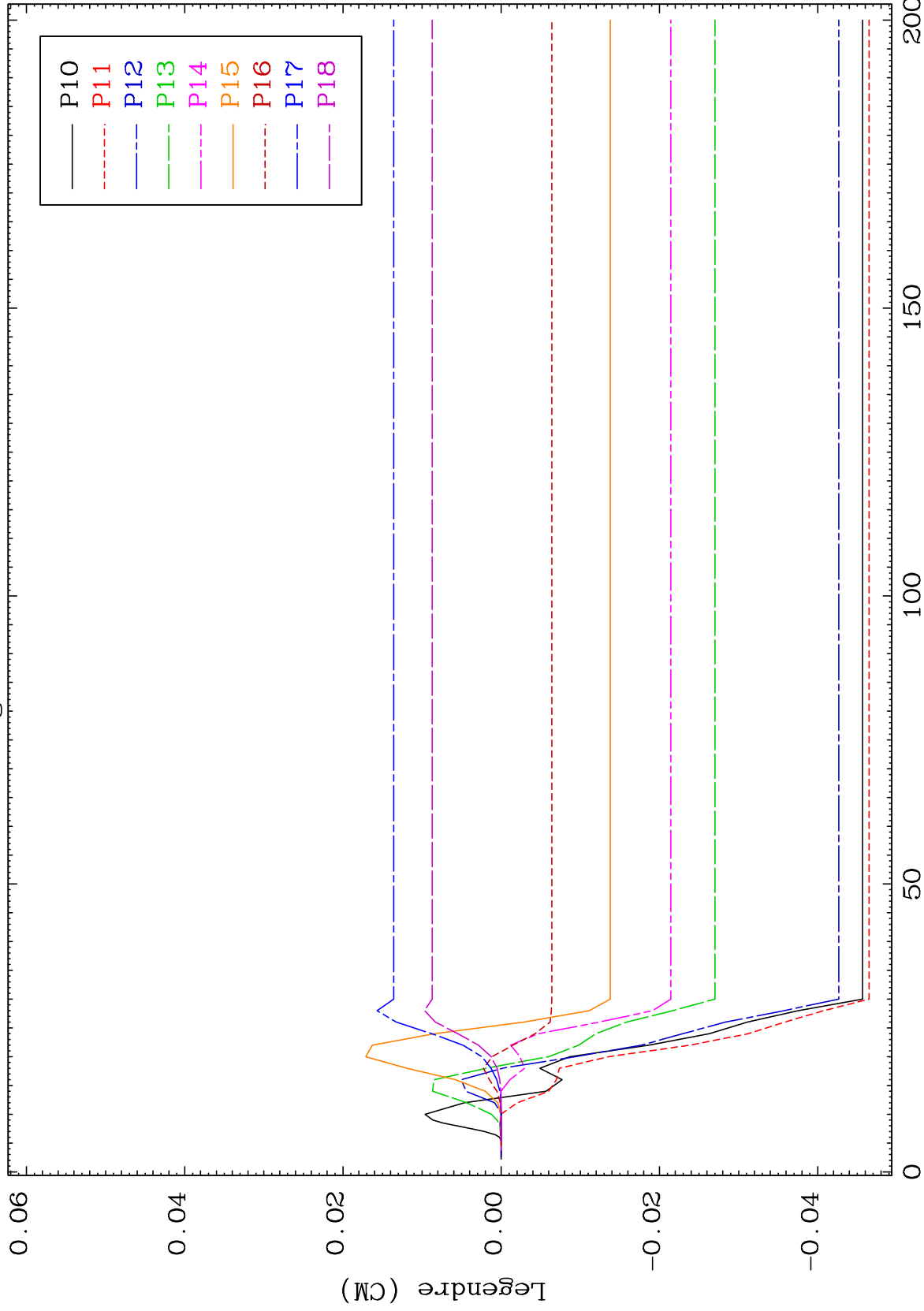
MAT 5919 MT= 66 (n,n') Level Legendre Coefficients 59-Pr-139



MAT 5919

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

59-Pr-139



81

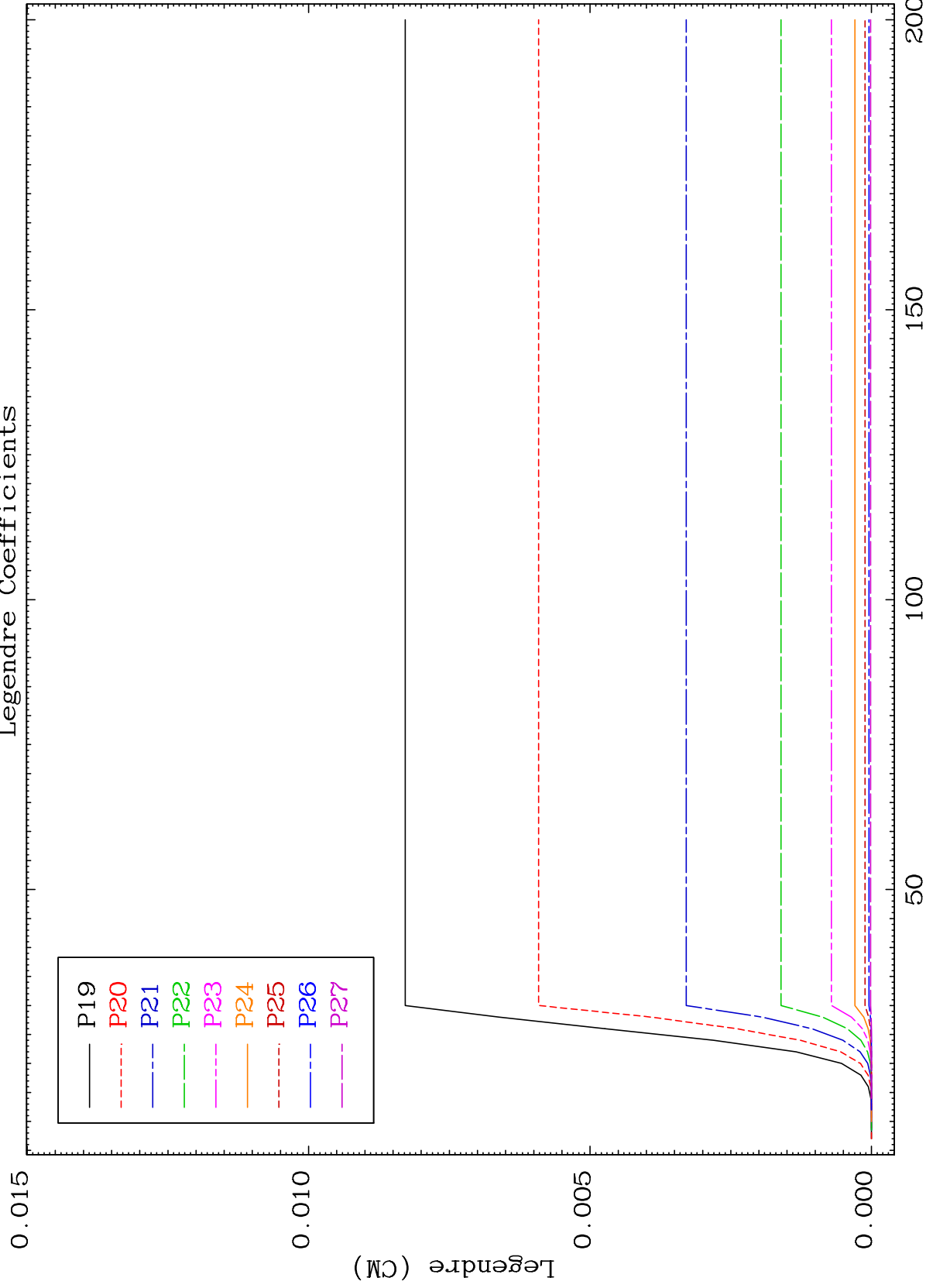
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



59-Pr-139

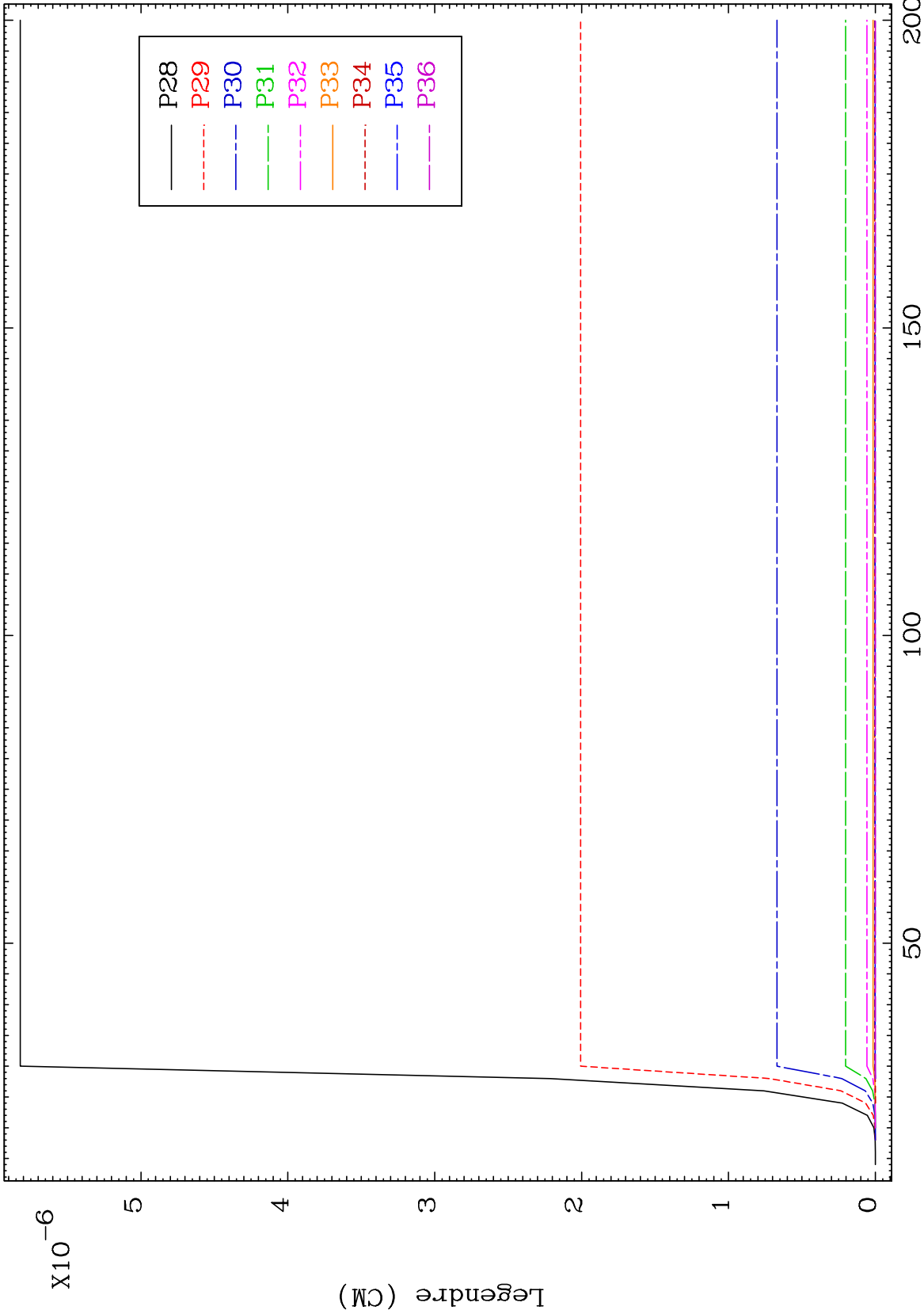
Incident Energy (MeV)

82

MAT 5919

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

59-Pr-139



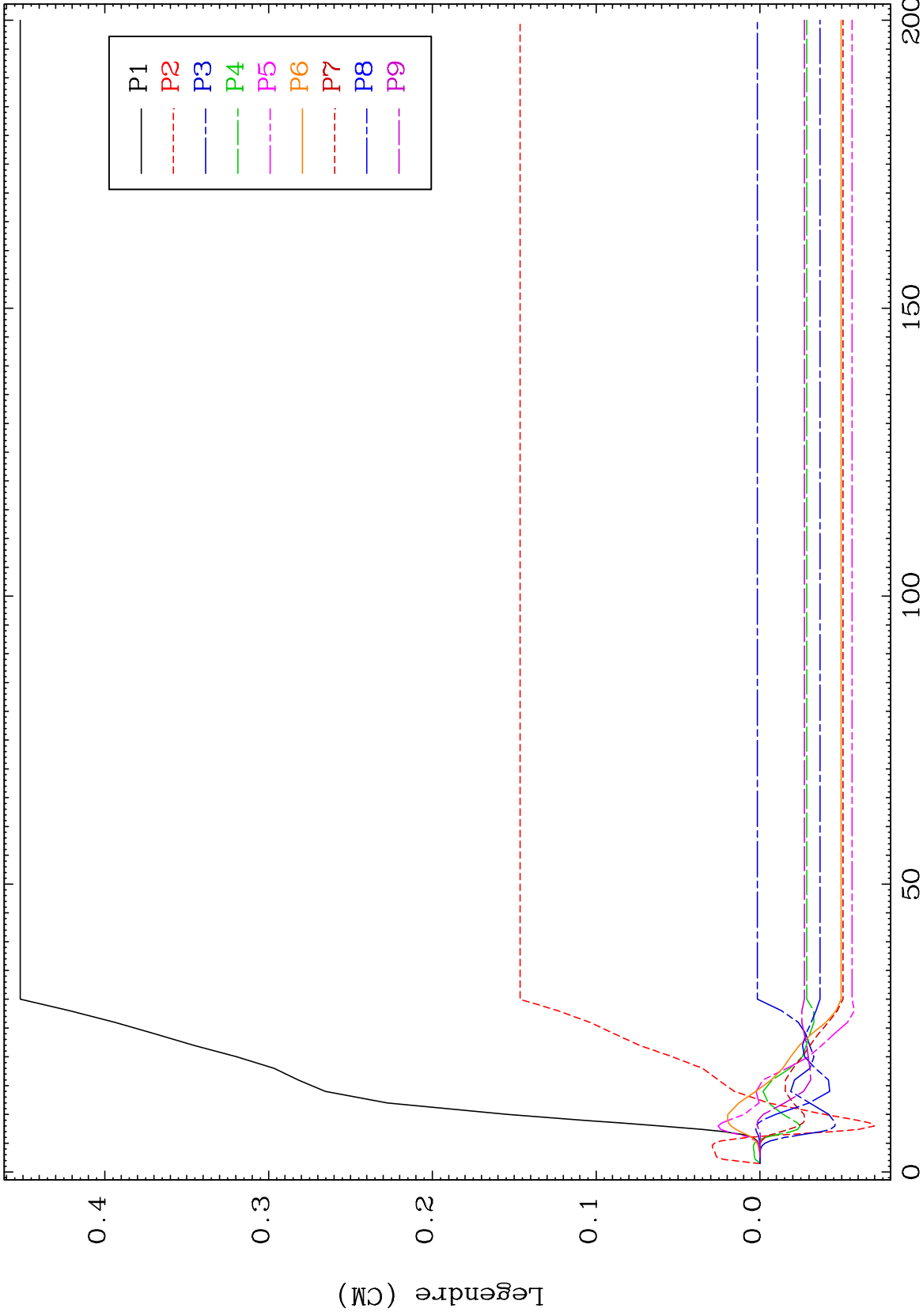
83

59-Pr-139

MAT 5919

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

59-Pr-139



84

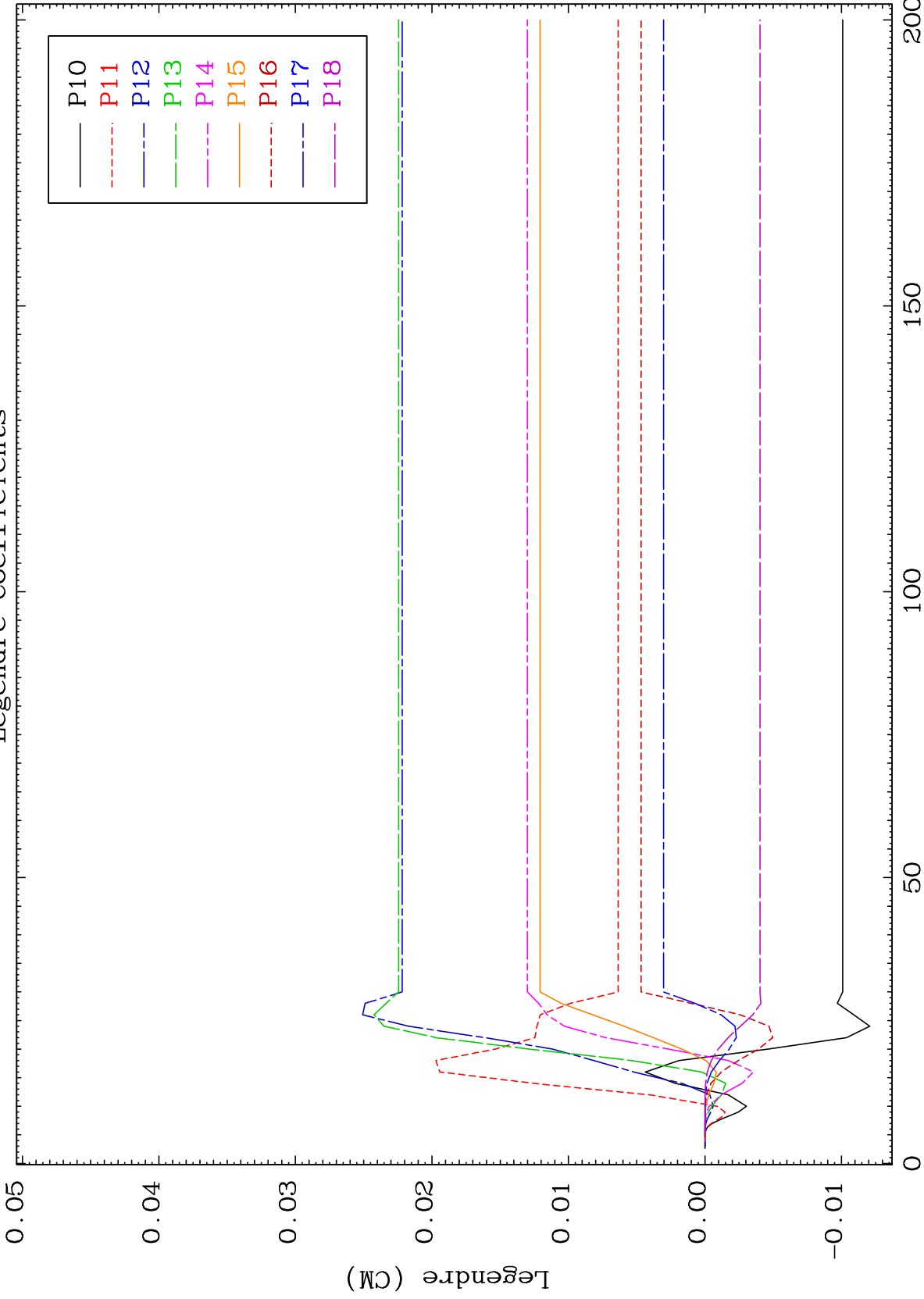
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



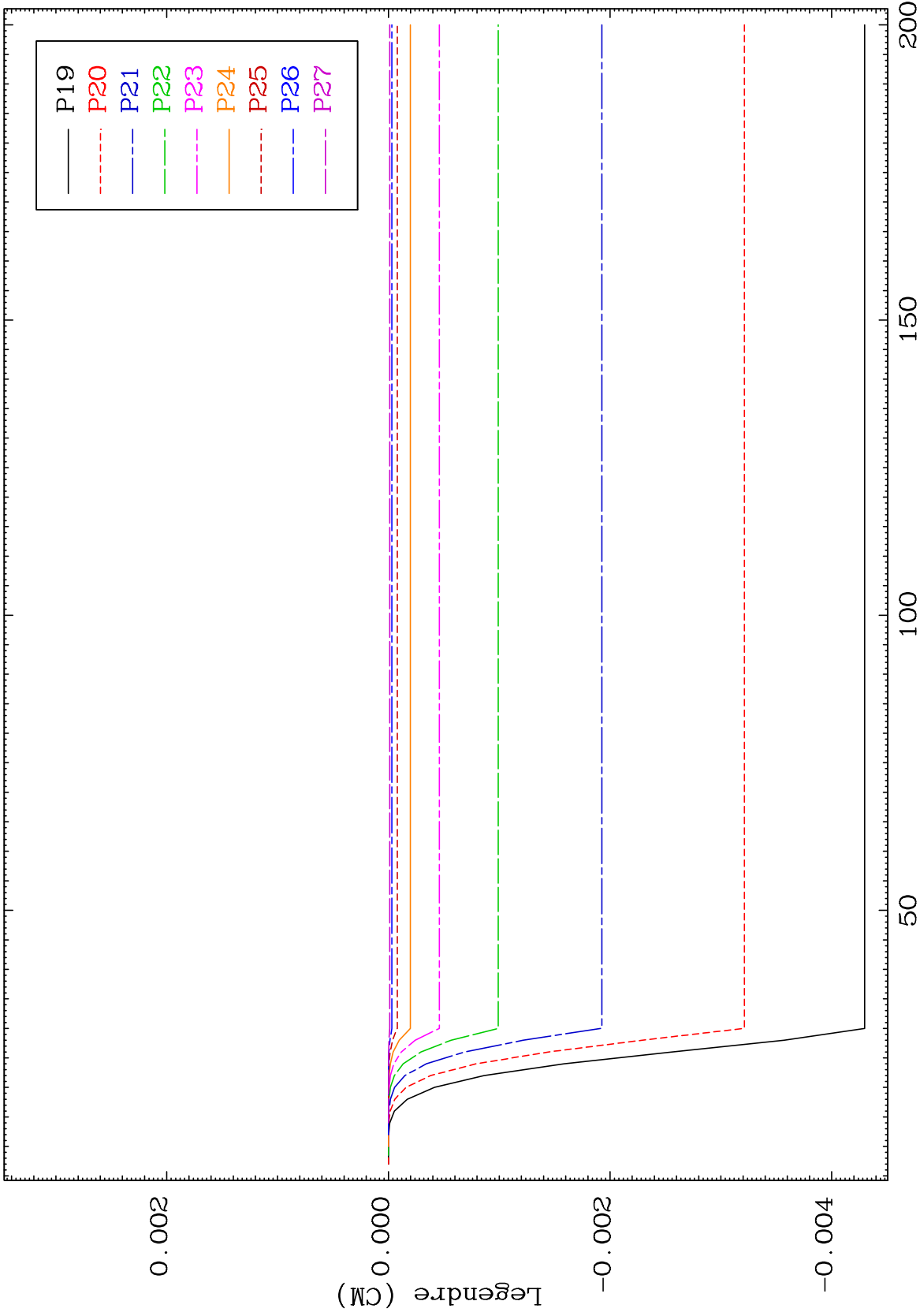
85

59-Pr-139

MAT 5919

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

59-Pr-139



86

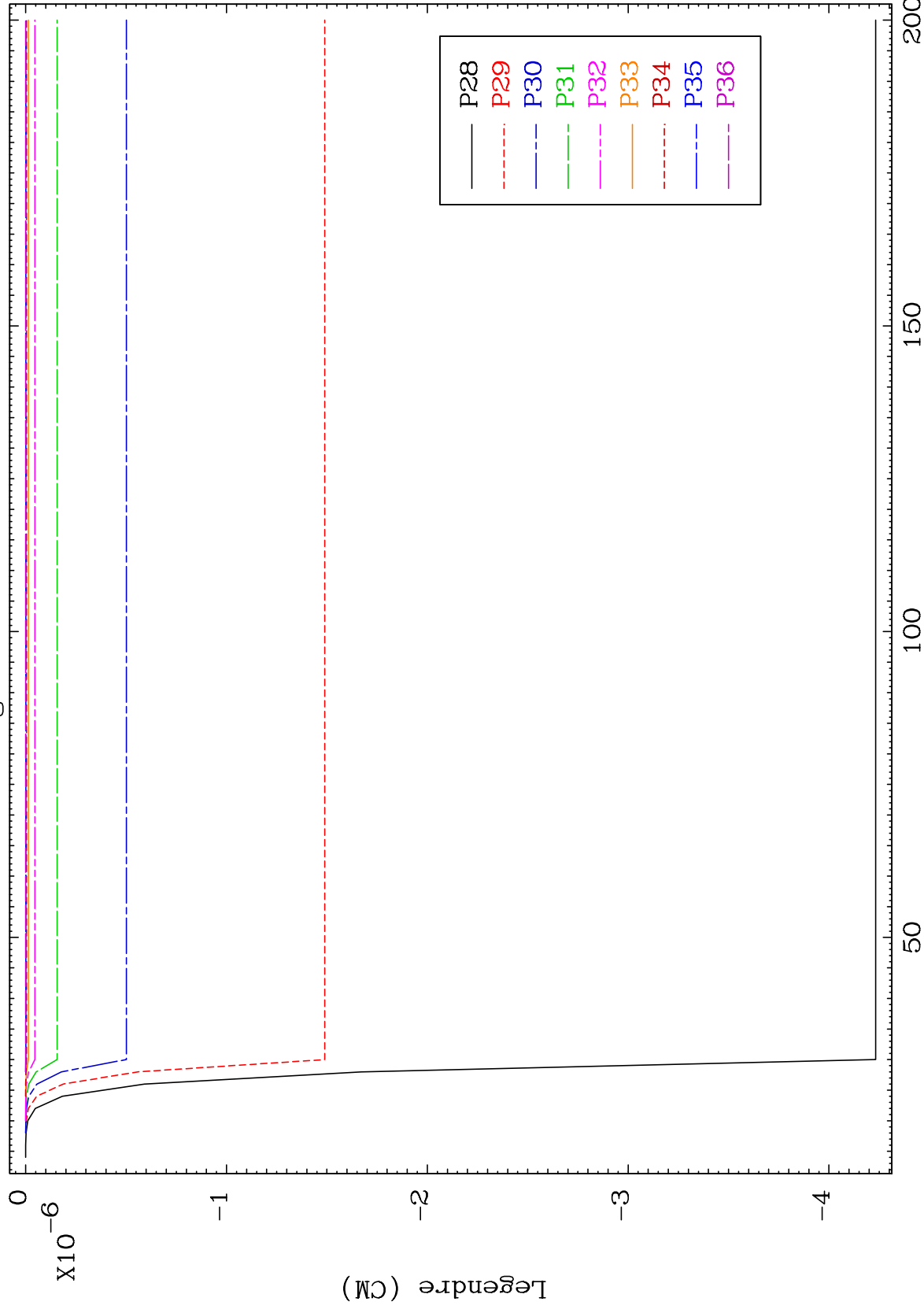
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139

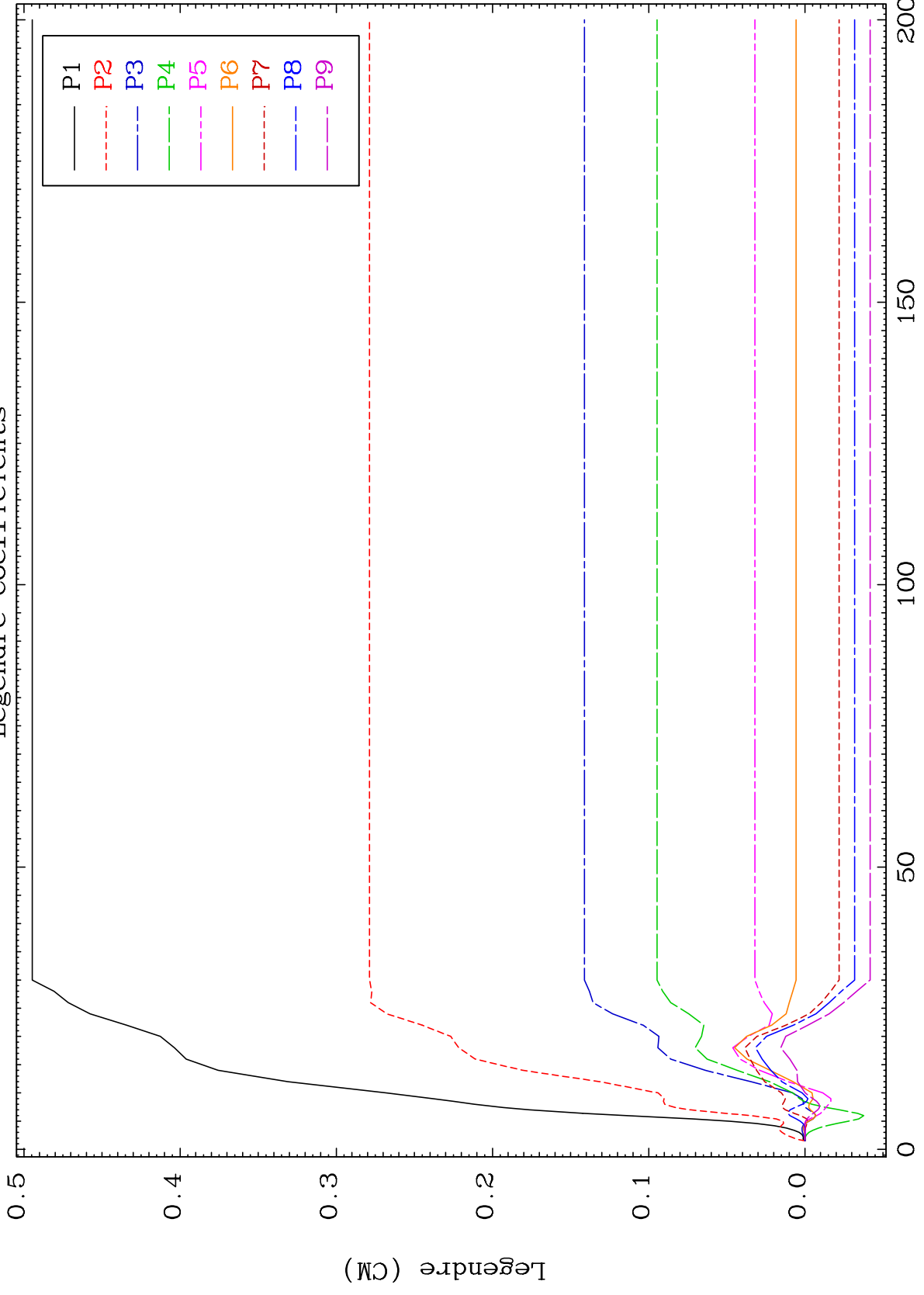


87

Incident Energy (MeV)

59-Pr-139

MAT 5919 MT= 68 (n,n') Level Legendre Coefficients 59-Pr-139

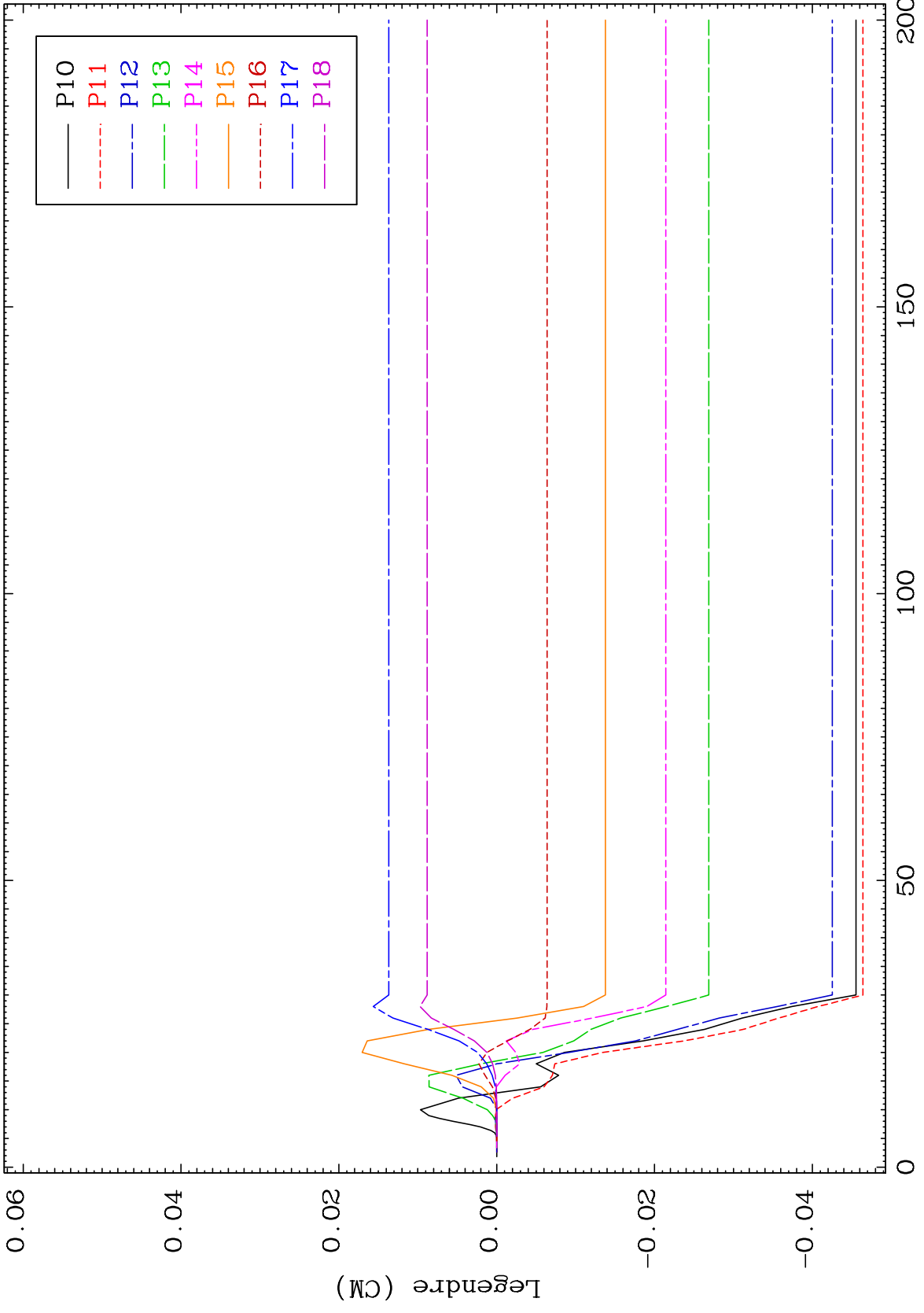


88 59-Pr-139

MAT 5919

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

59-Pr-139



89

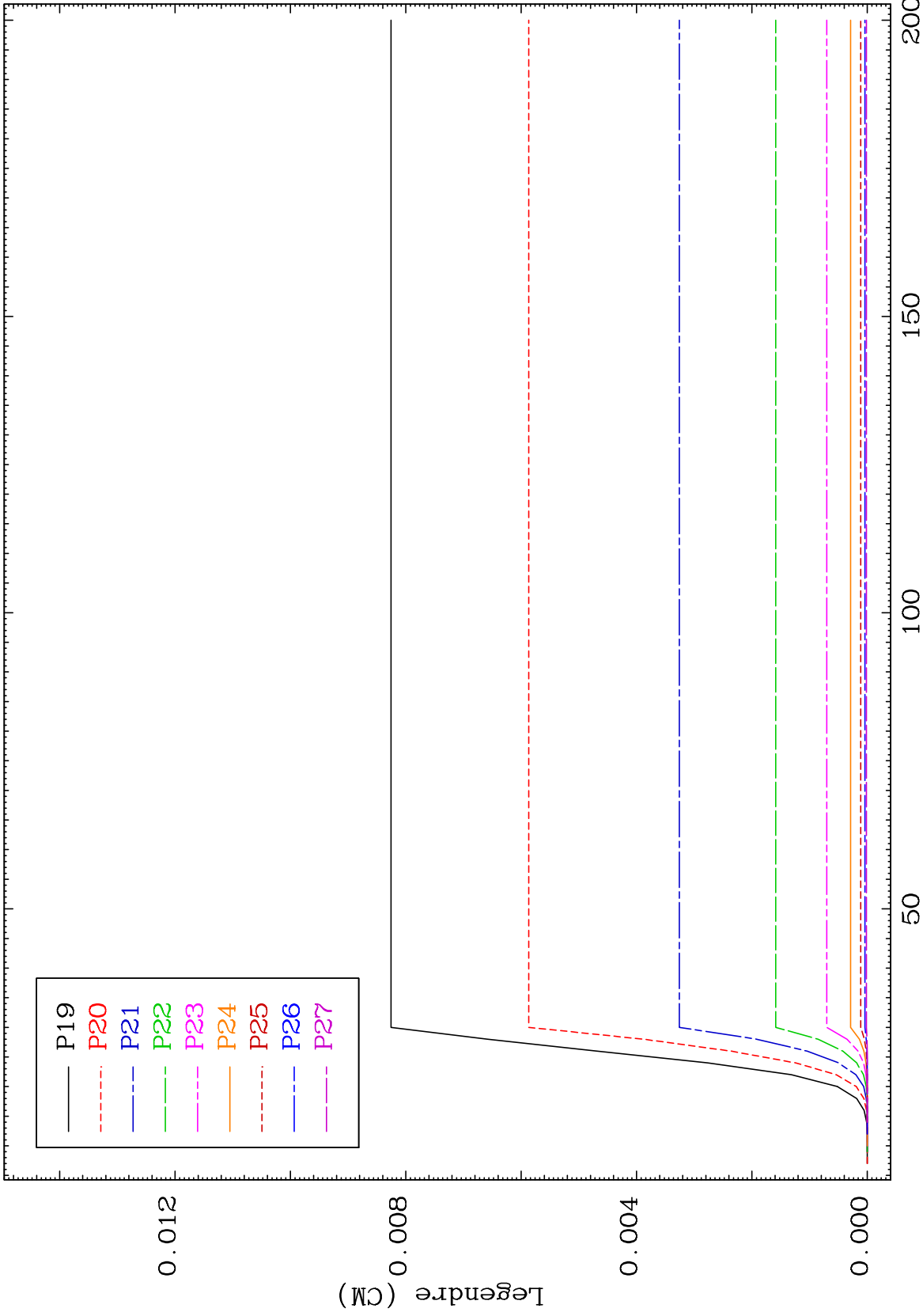
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



90

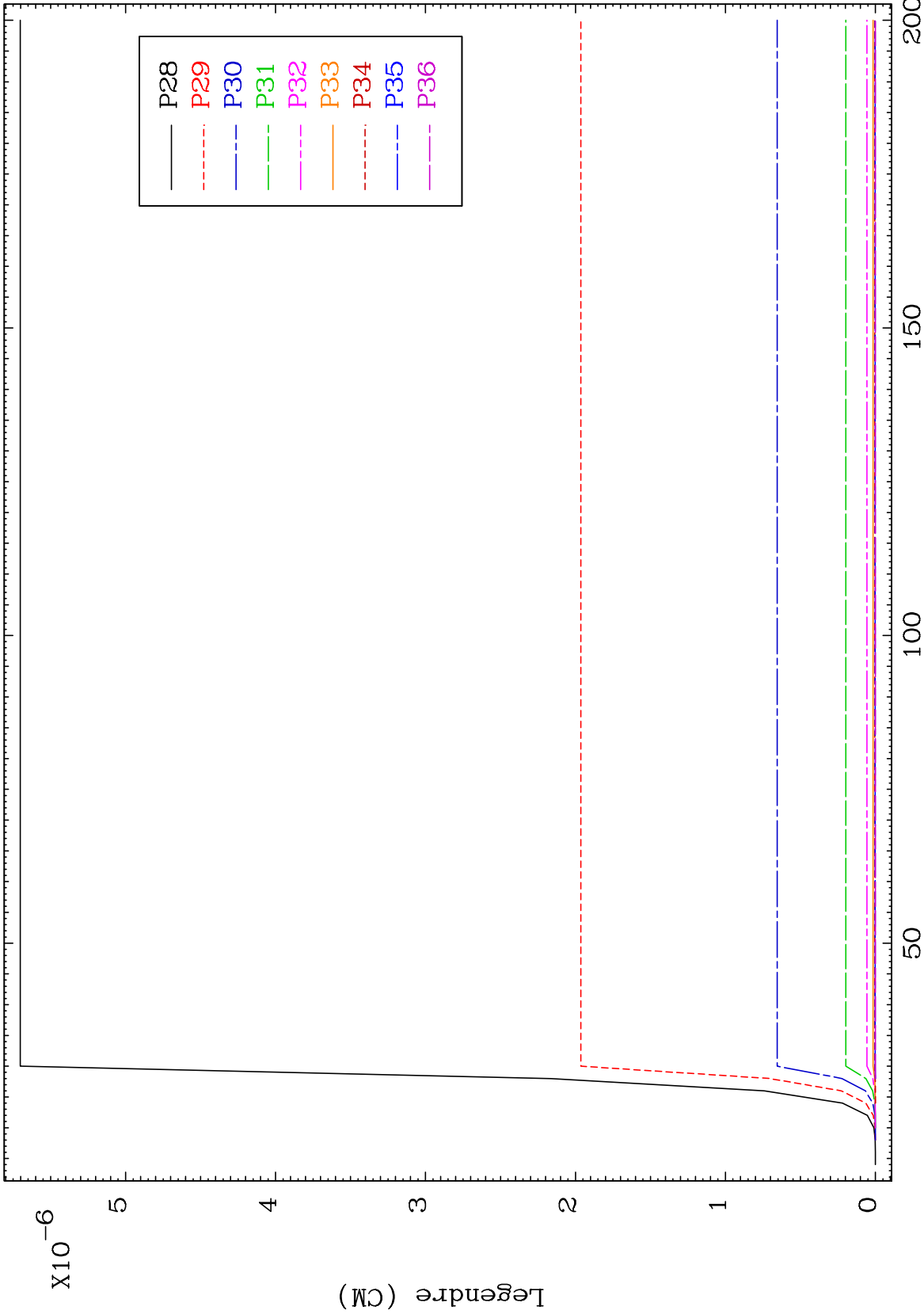
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



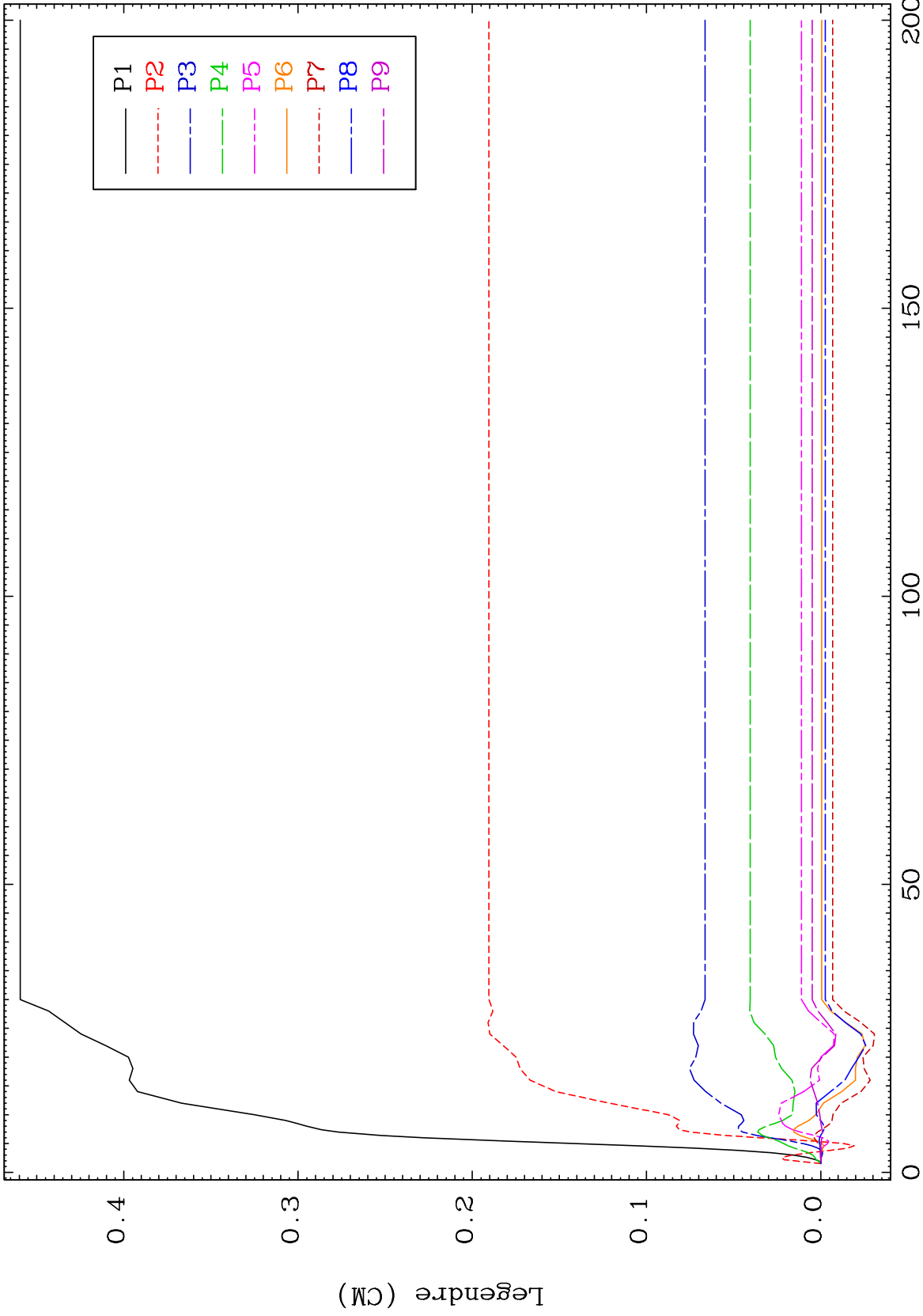
91

59-Pr-139

MAT 5919

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

59-Pr-139



92

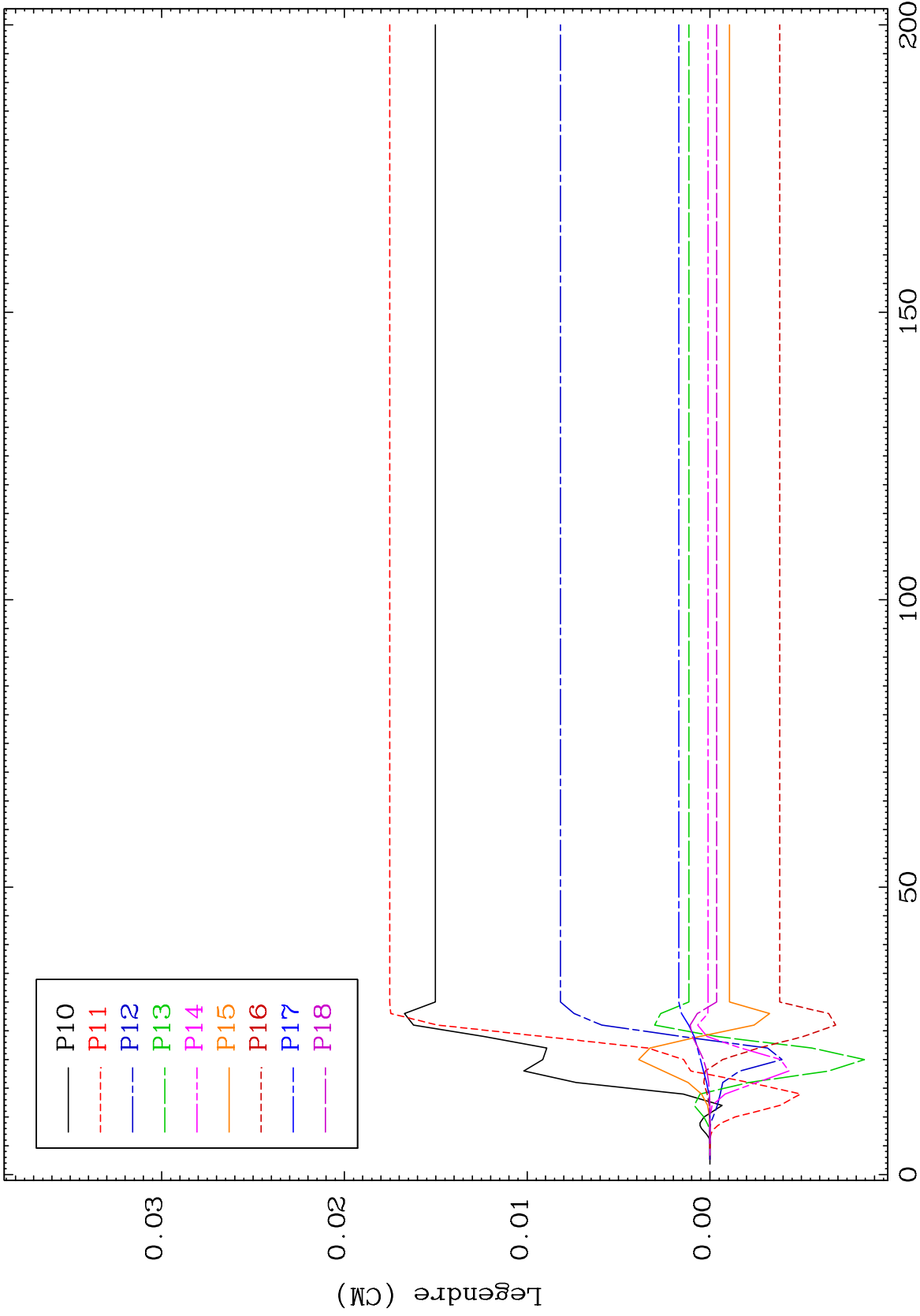
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



93

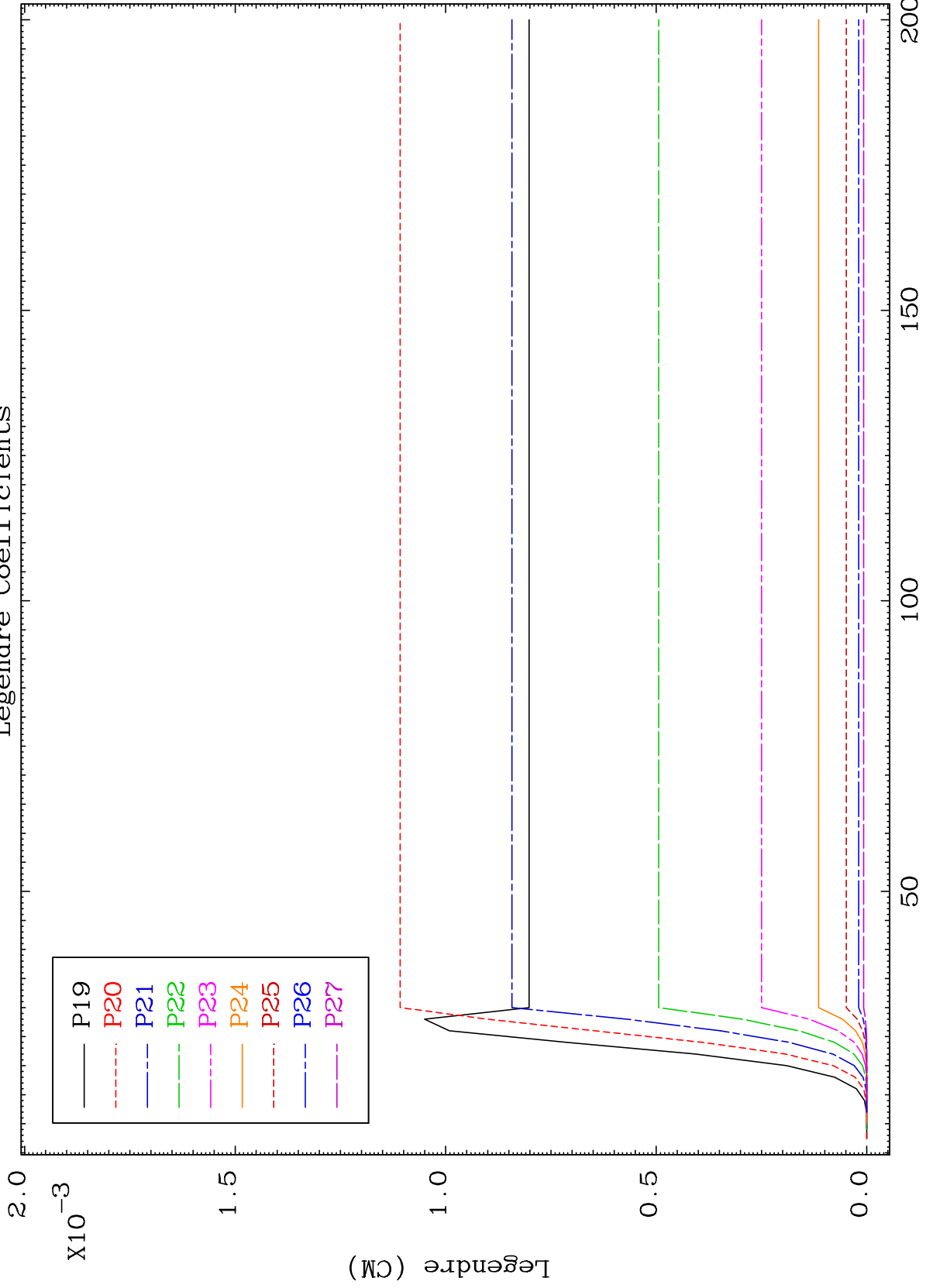
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



94

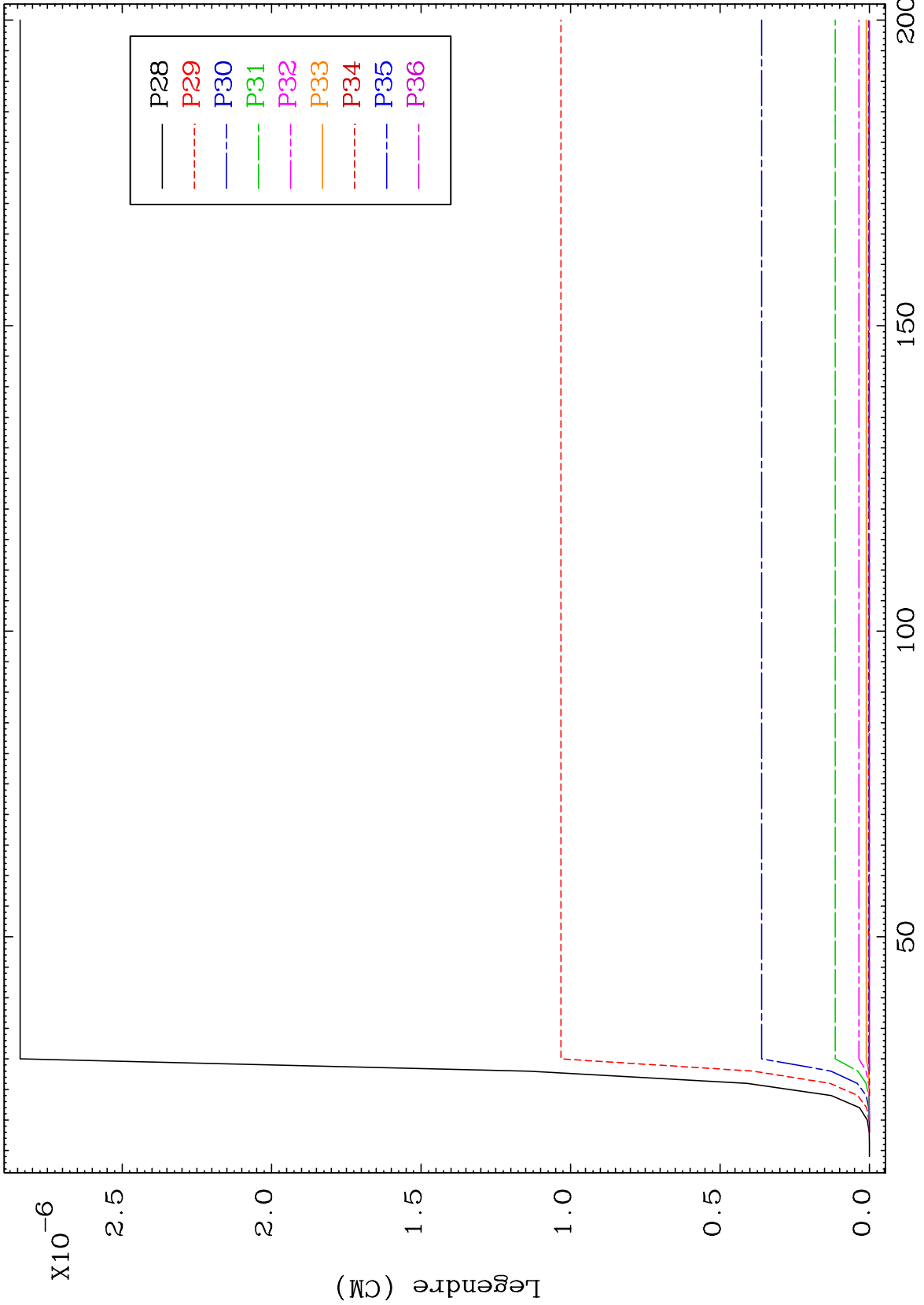
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



95

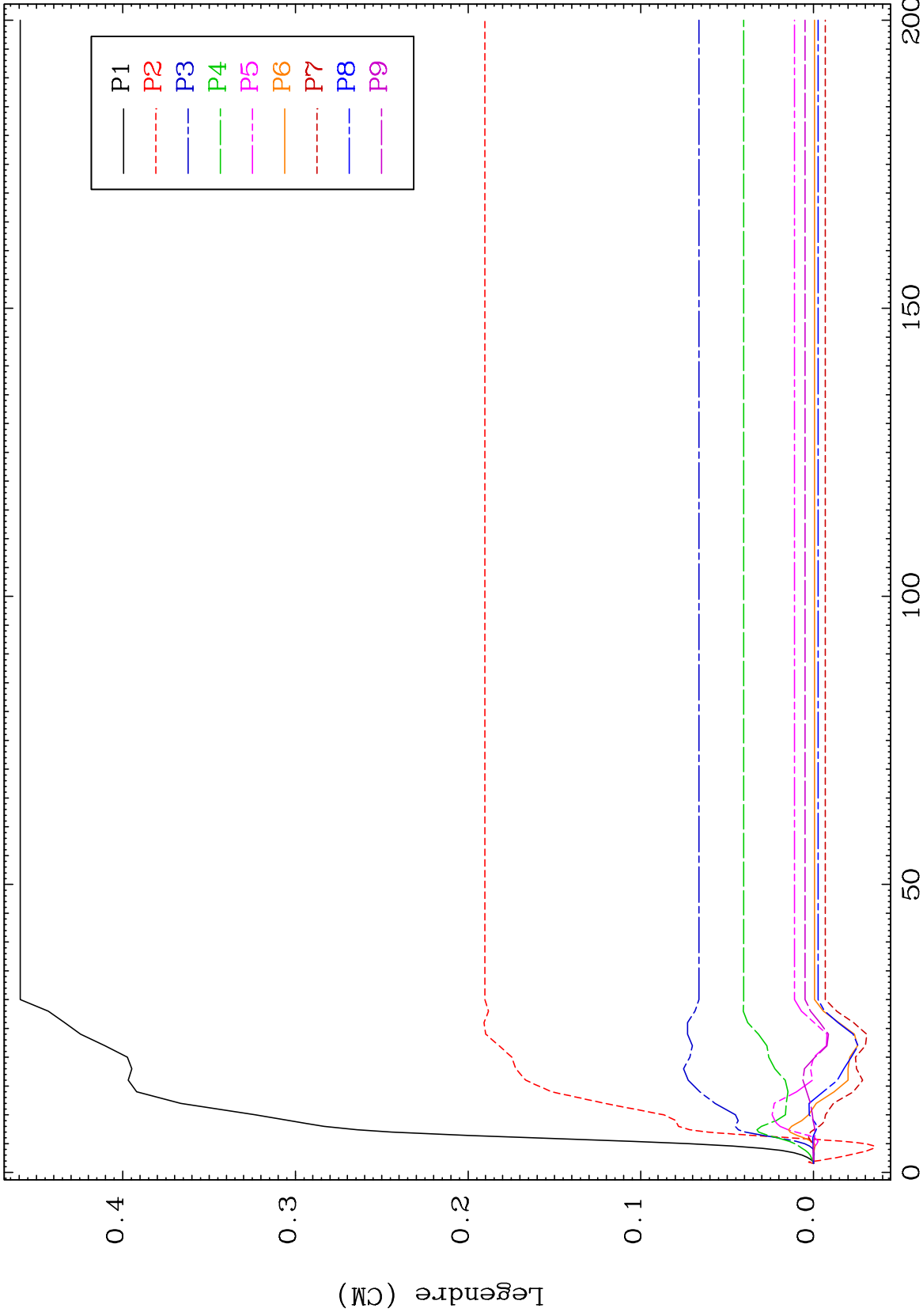
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



96

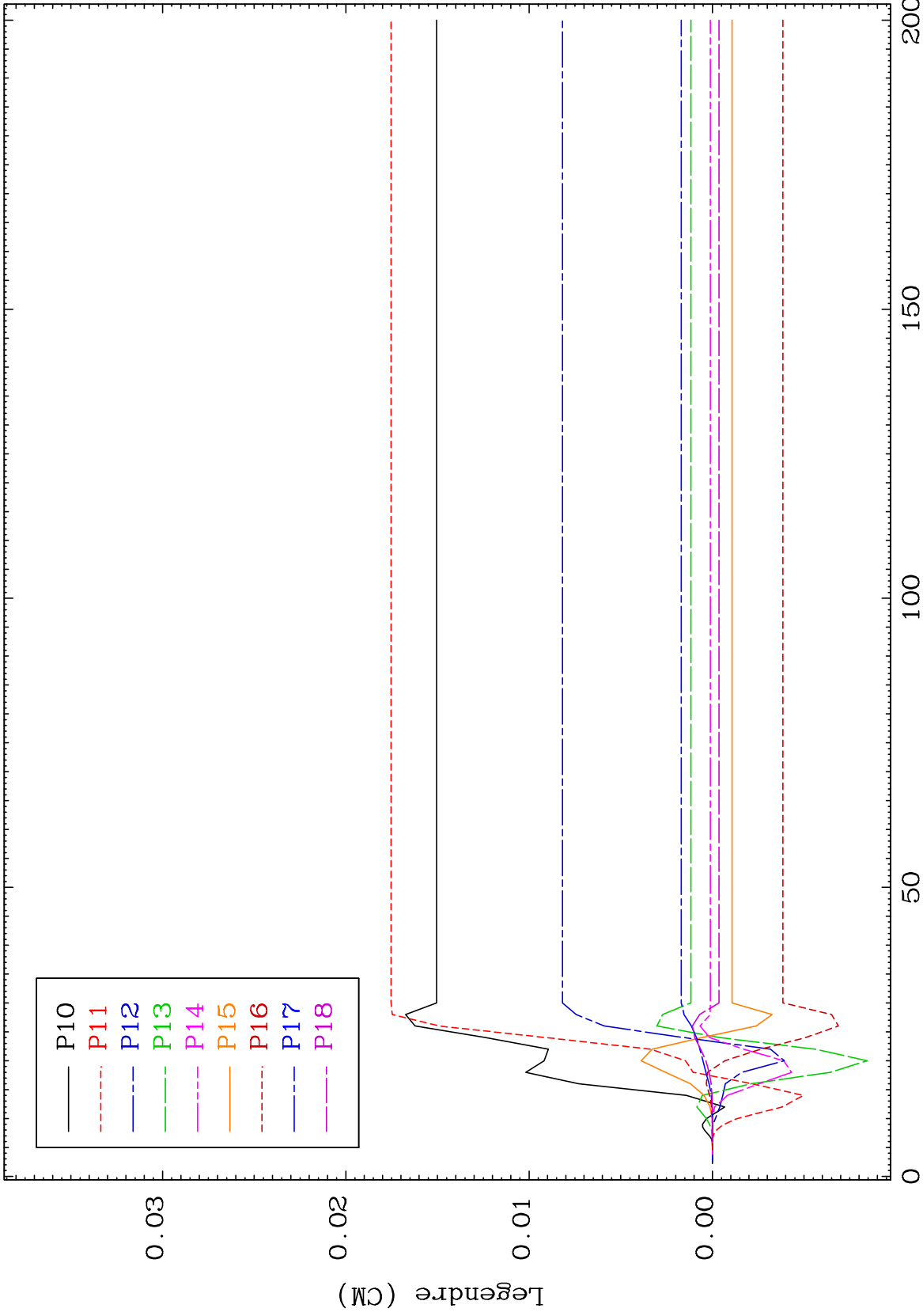
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

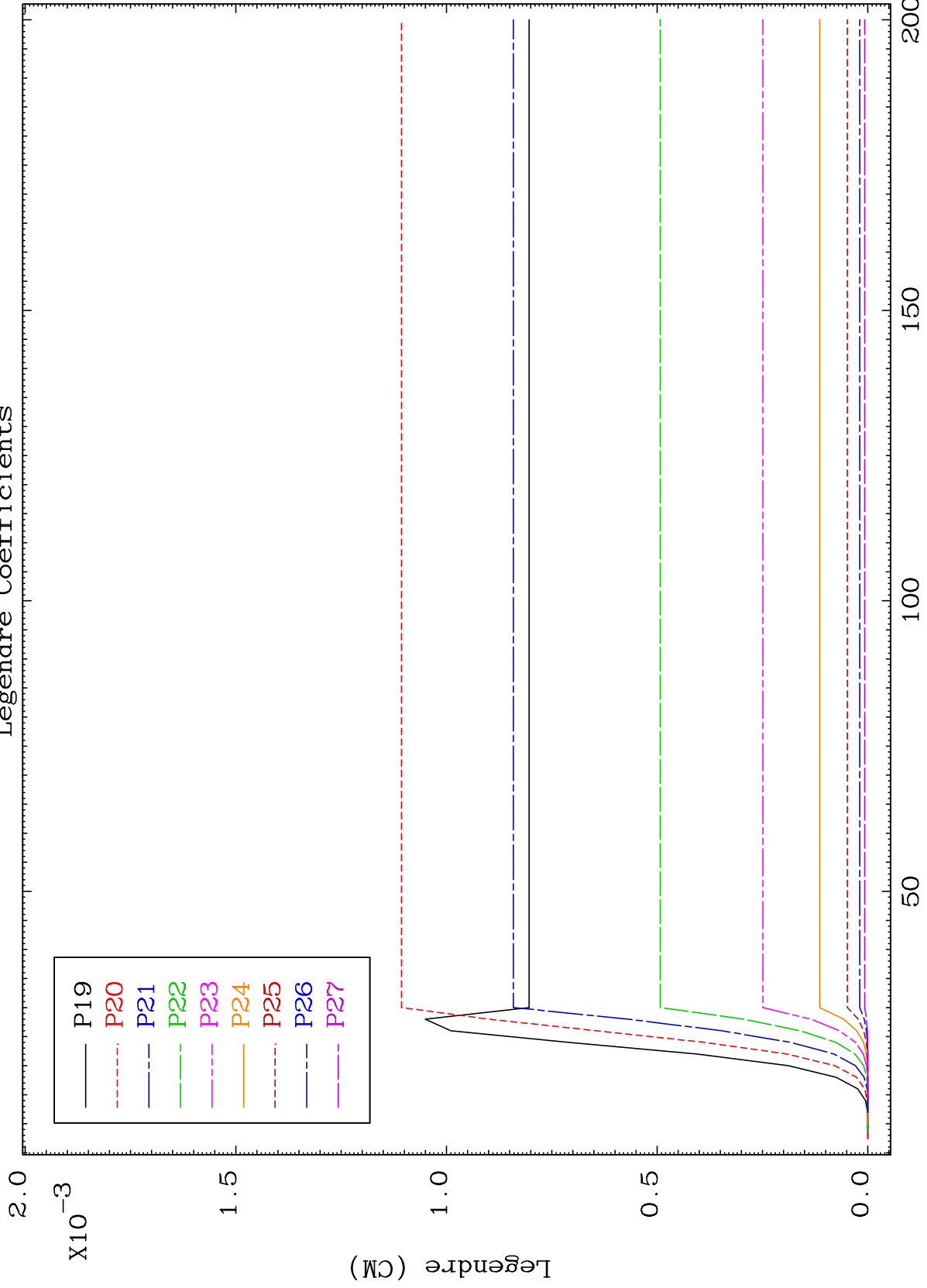
59-Pr-139



97

Incident Energy (MeV)

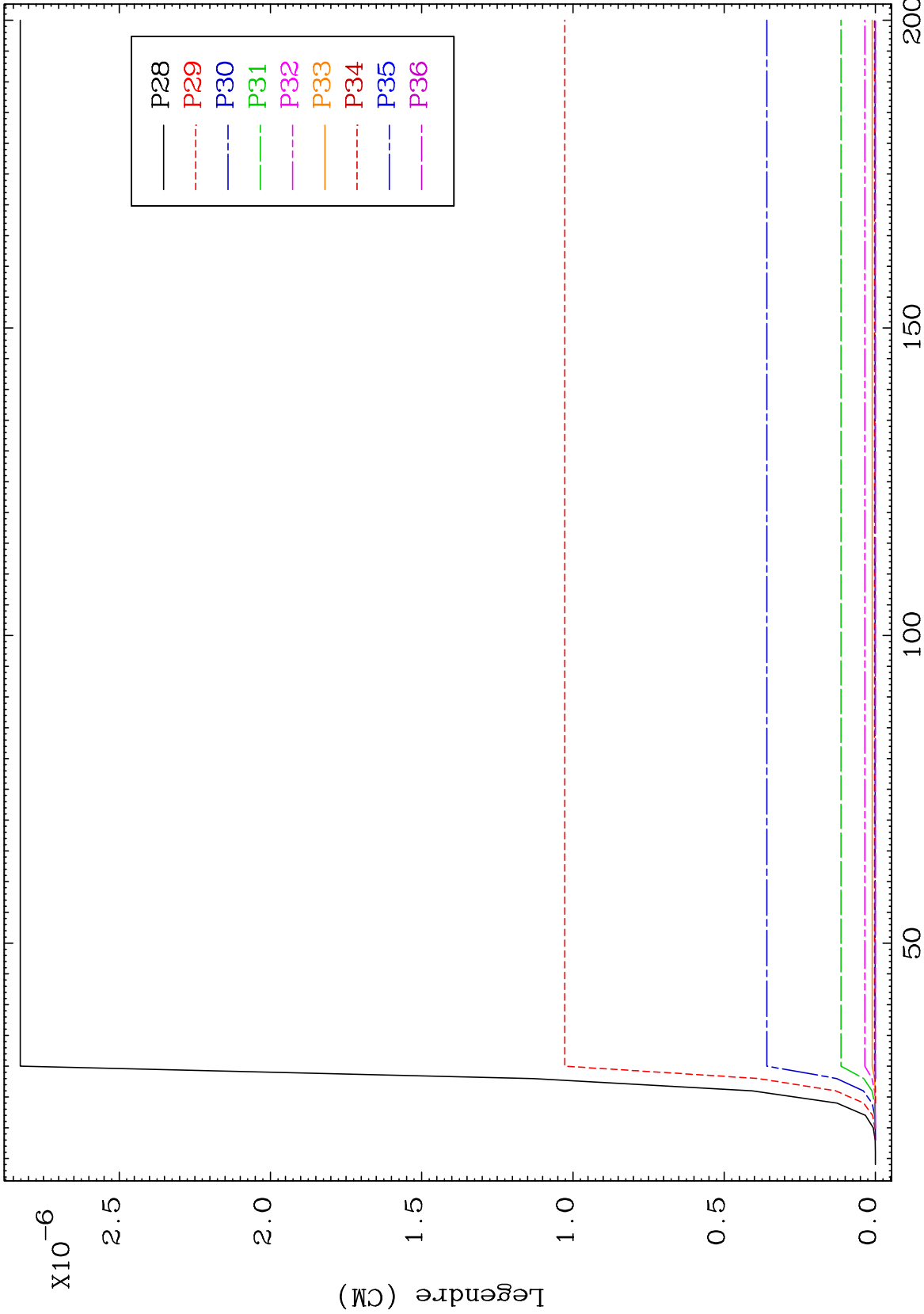
59-Pr-139



MAT 5919

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

59-Pr-139



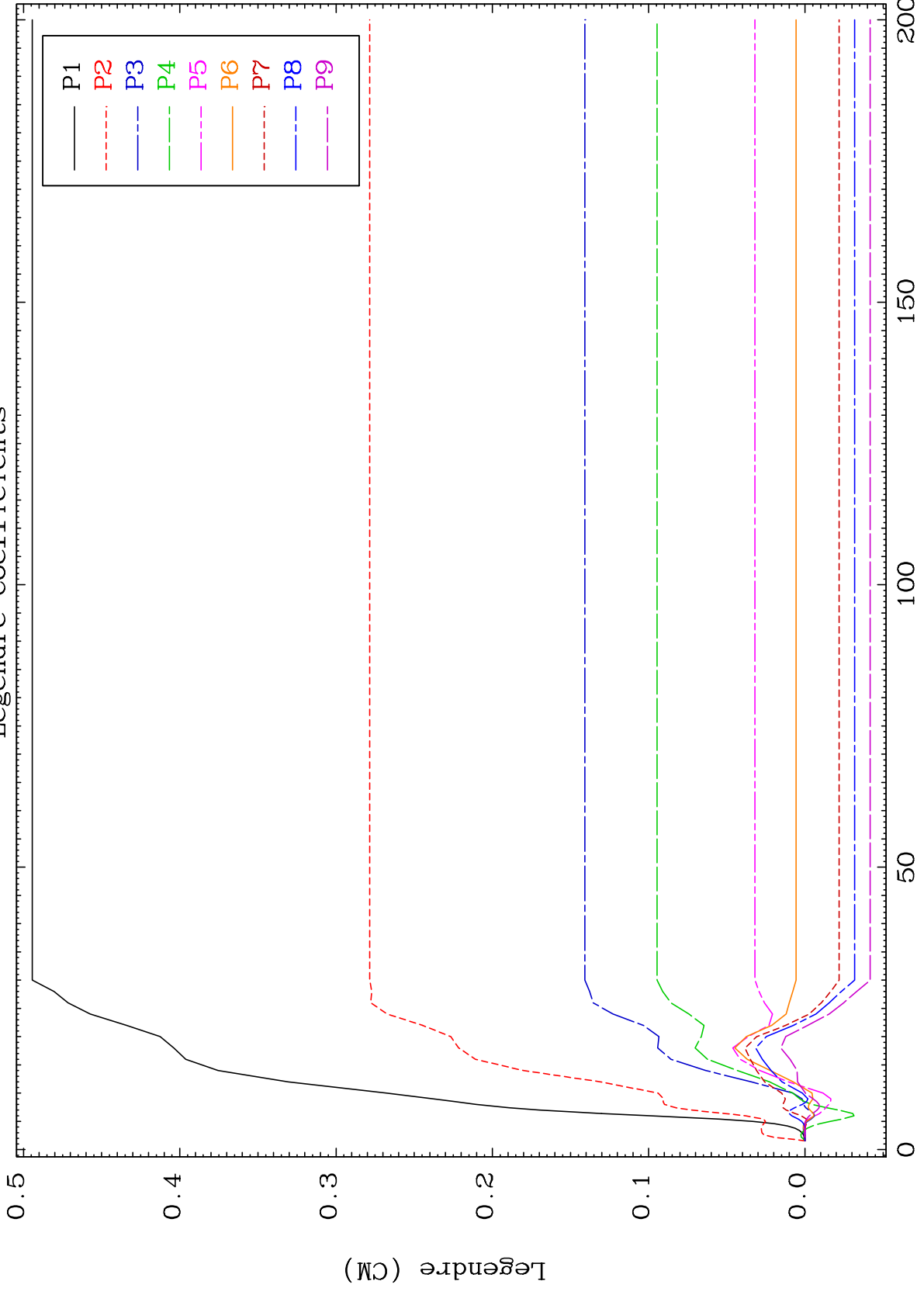
99

59-Pr-139

MAT 5919

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

59-Pr-139



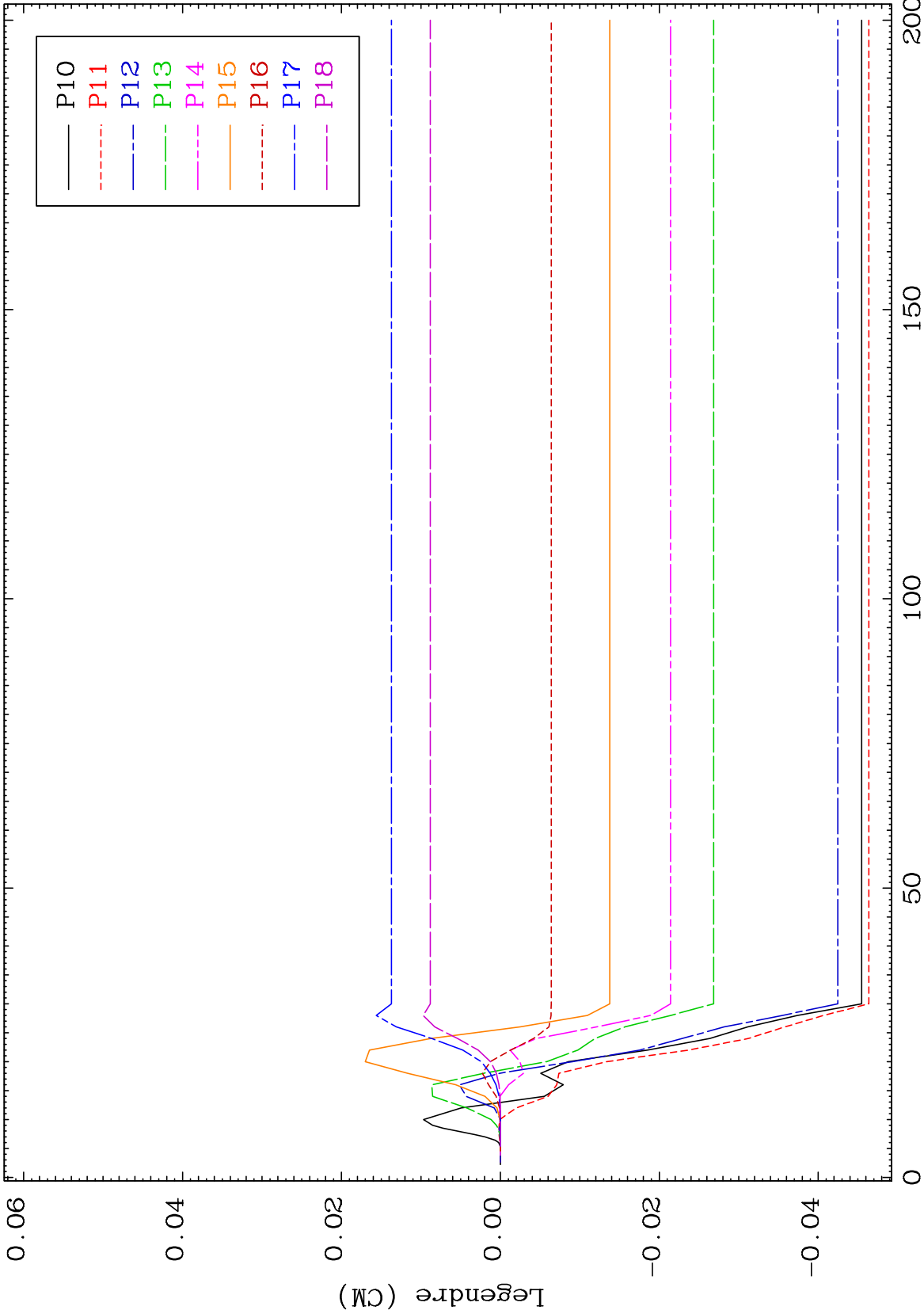
59-Pr-139

Incident Energy (MeV)

MAT 5919

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

59-Pr-139



101

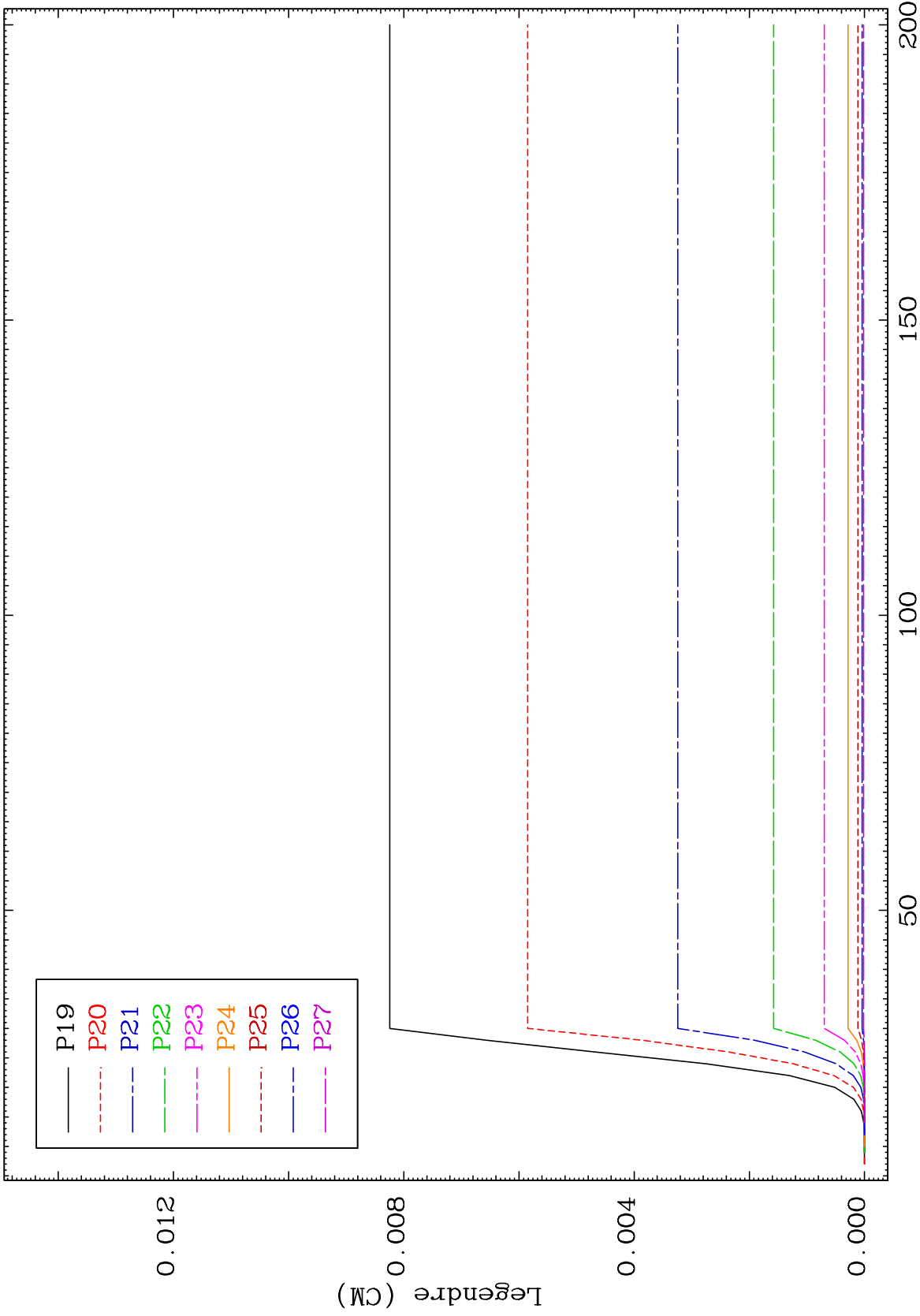
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



102

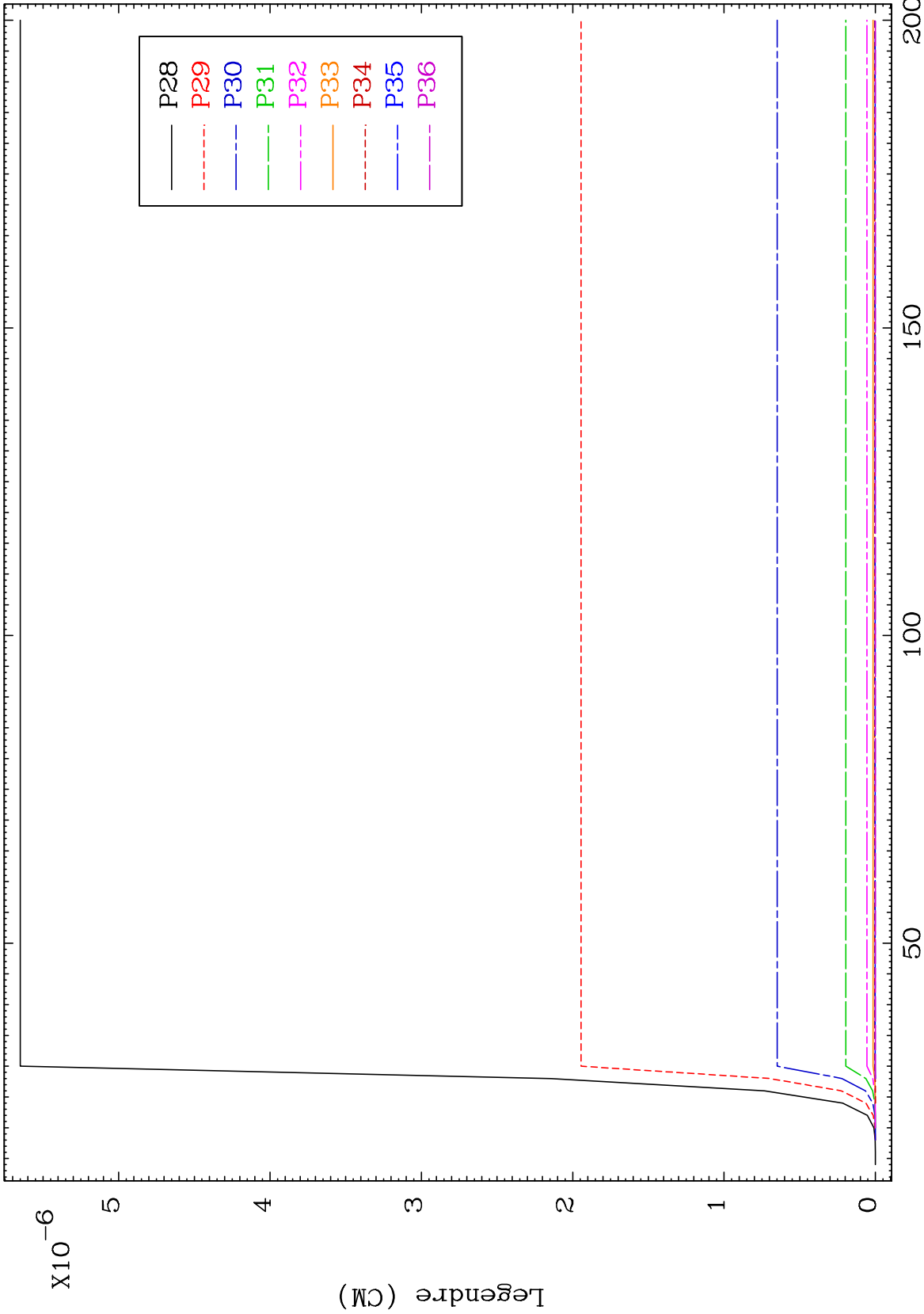
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



103

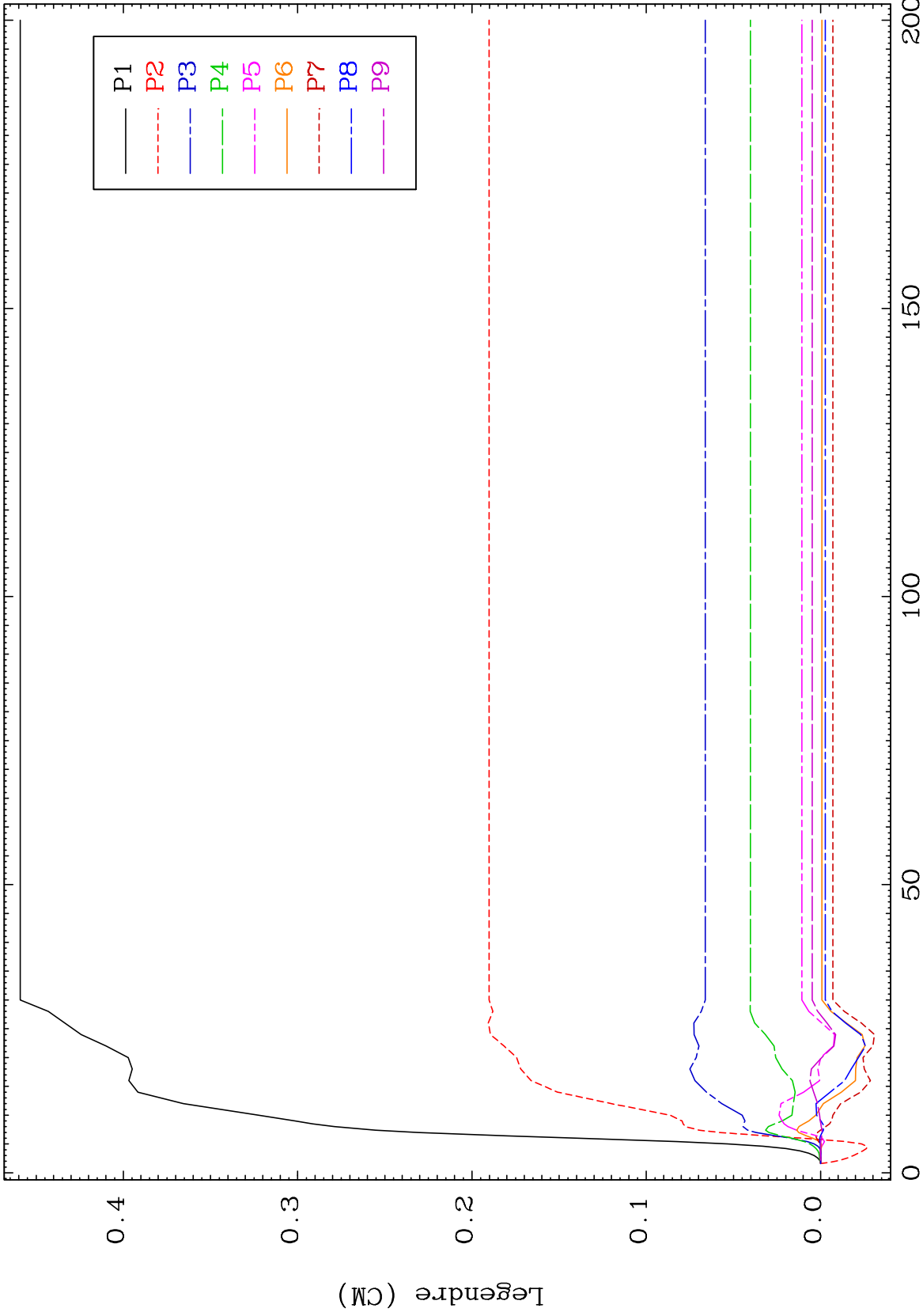
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



104

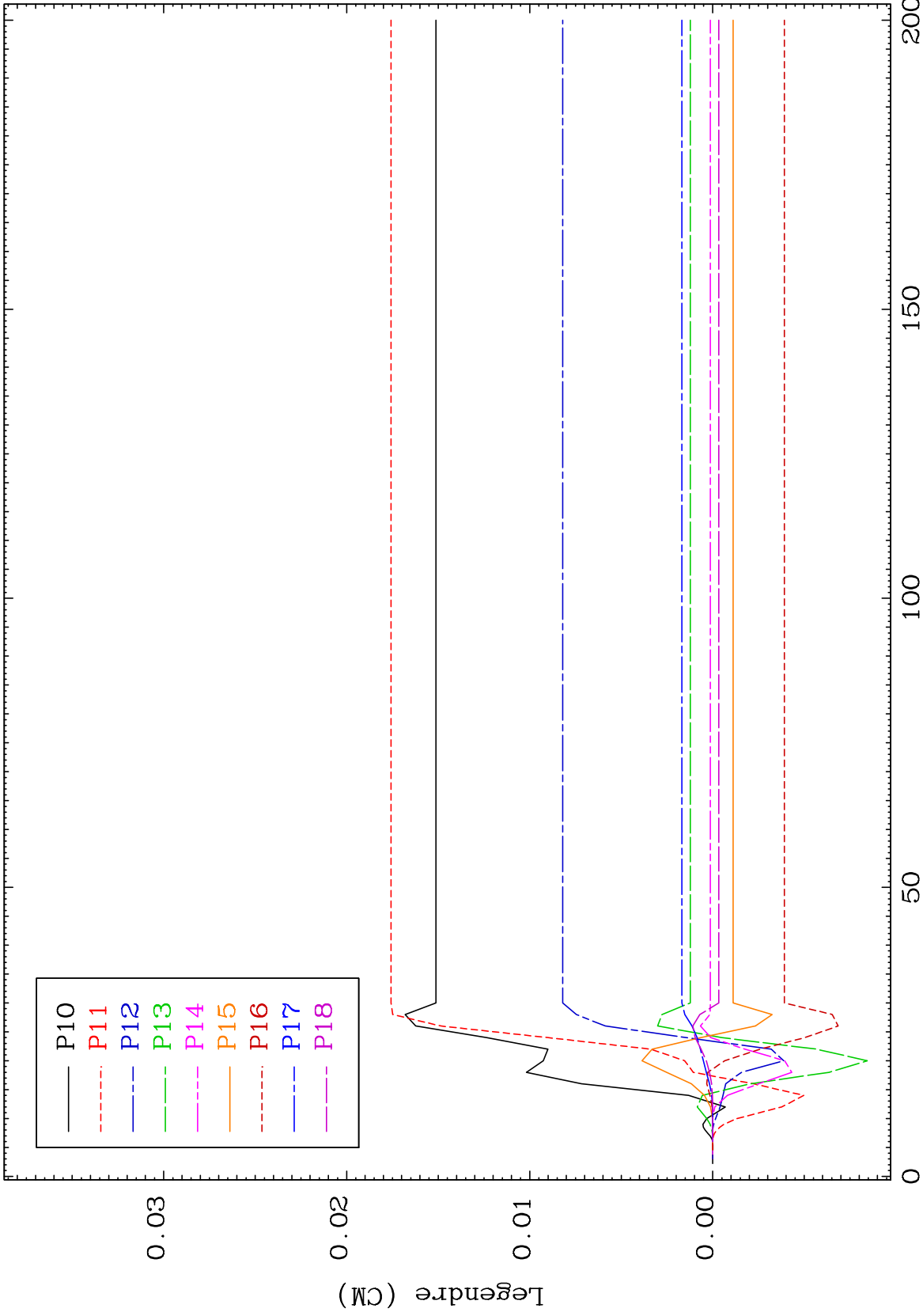
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



105

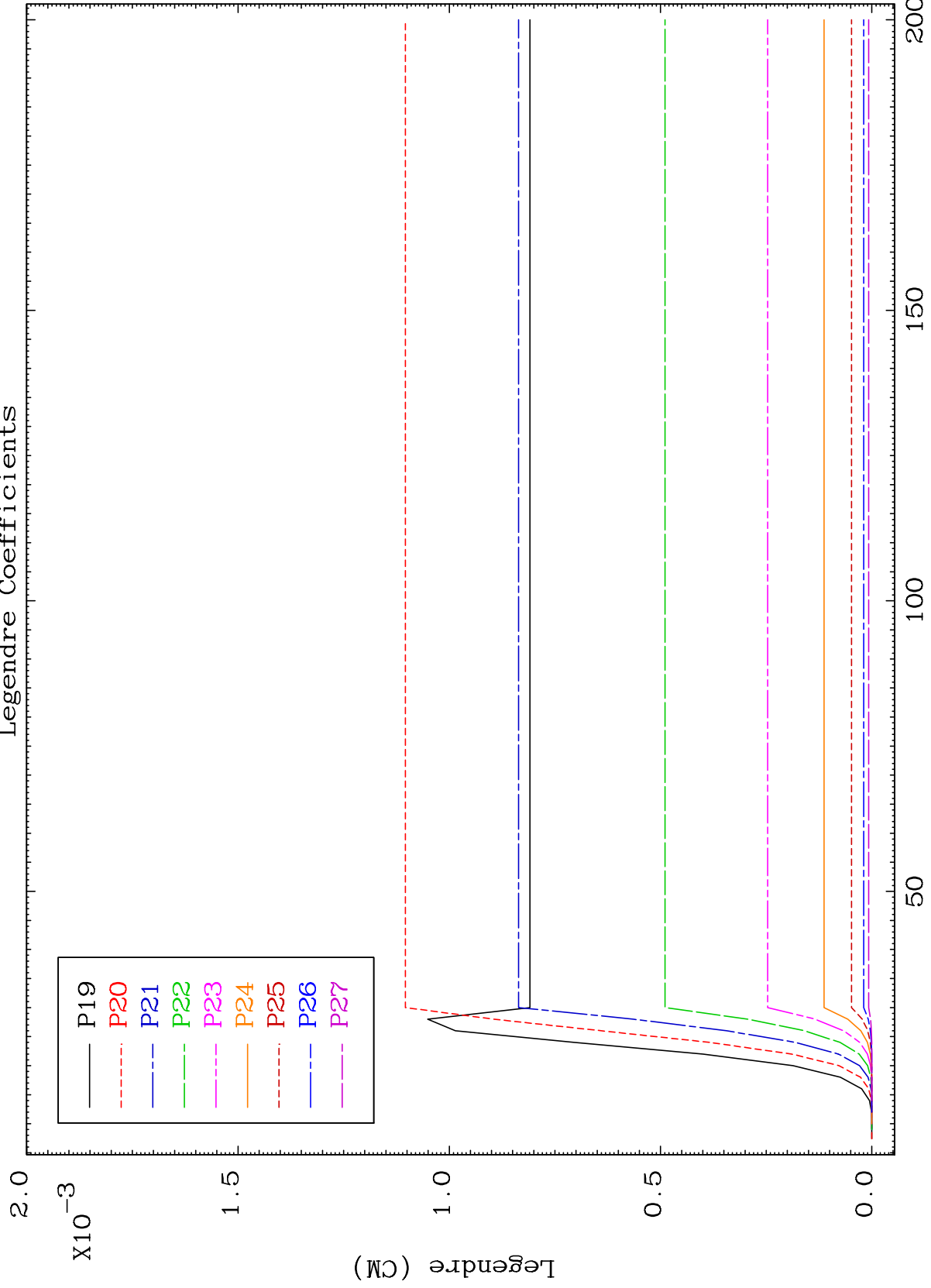
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



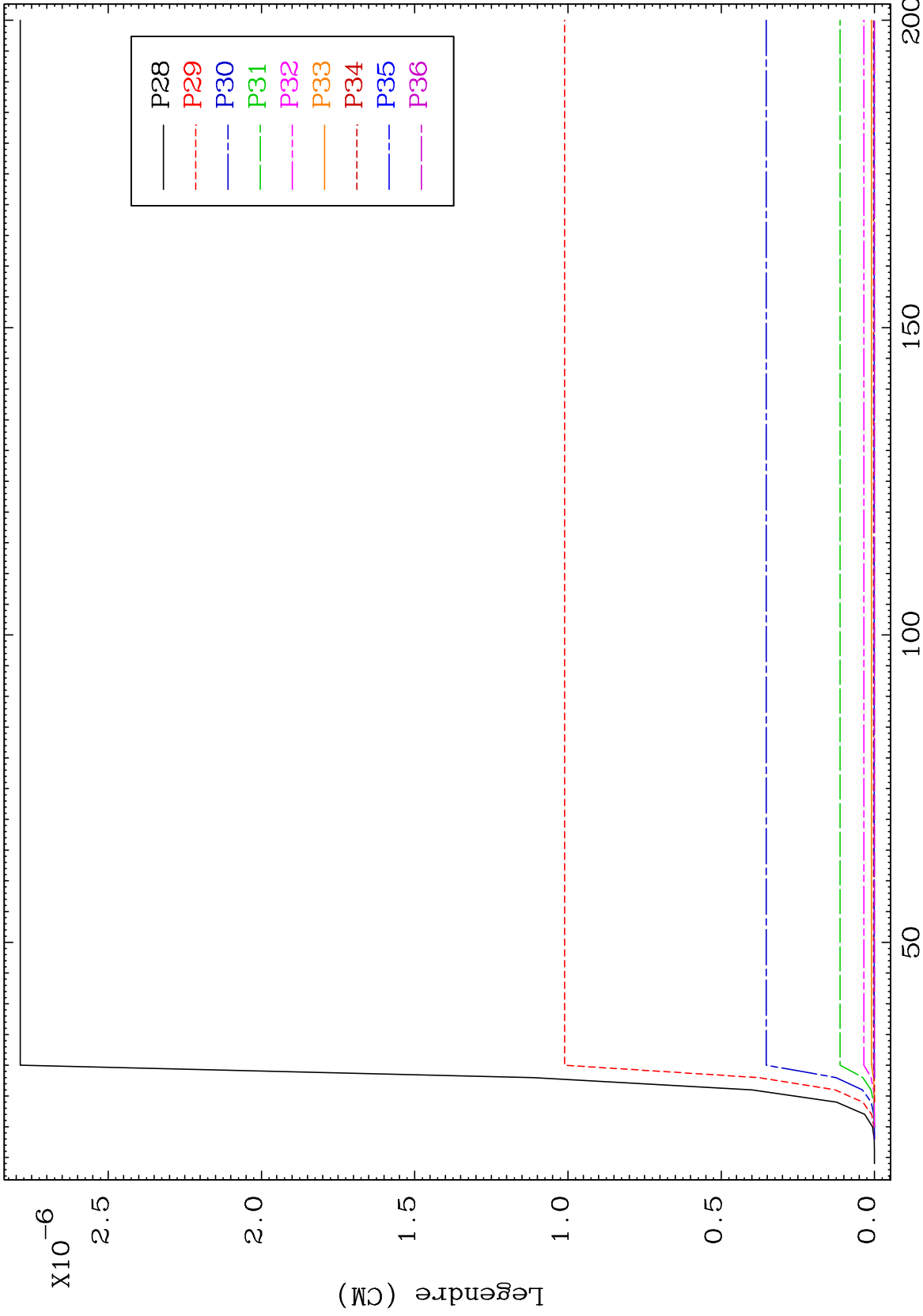
106

59-Pr-139

MAT 5919

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

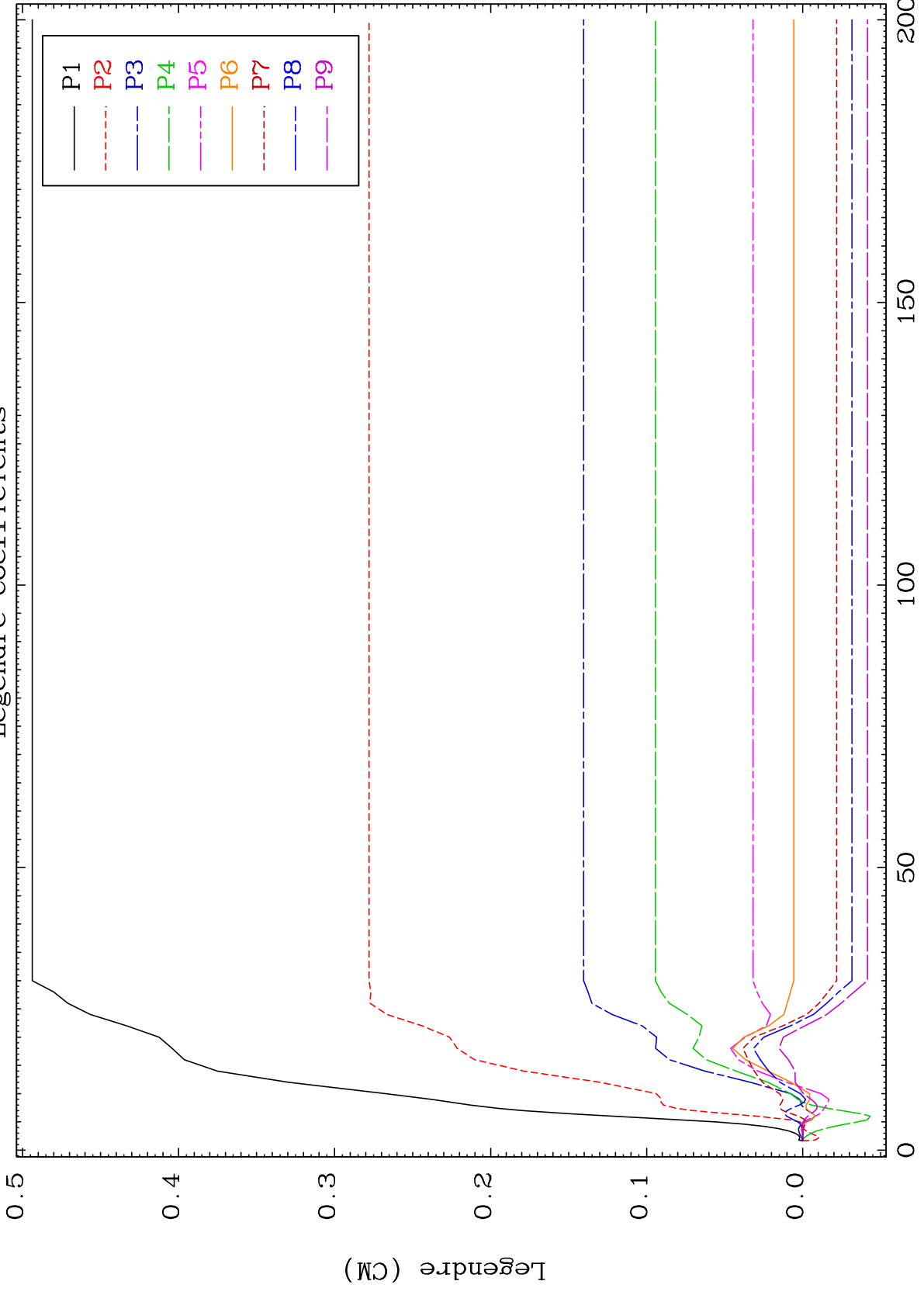
59-Pr-139



107

59-Pr-139

MAT 5919 MT= 73 (n,n') Level Legendre Coefficients 59-Pr-139

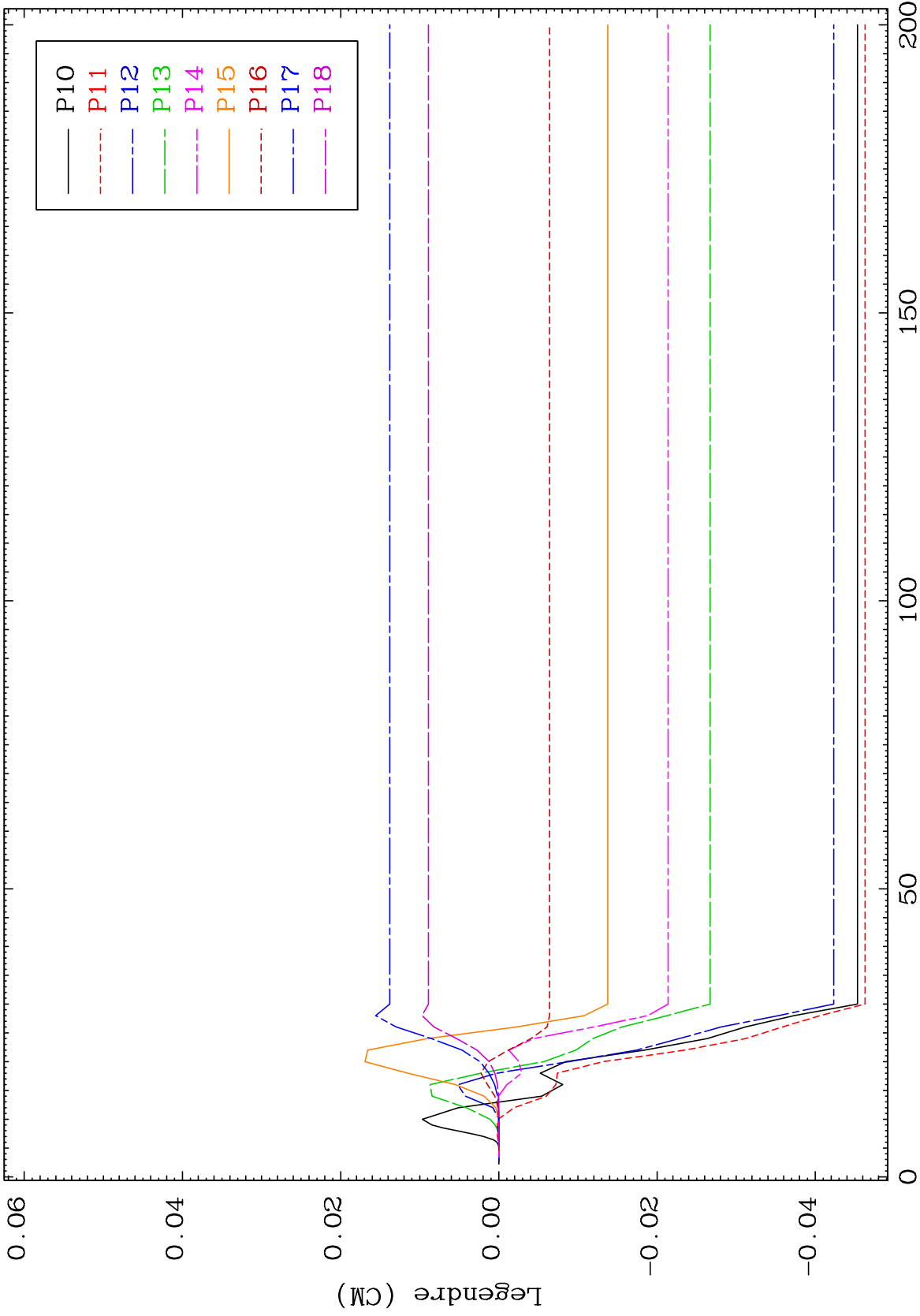


108 59-Pr-139

MAT 5919

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

59-Pr-139



109

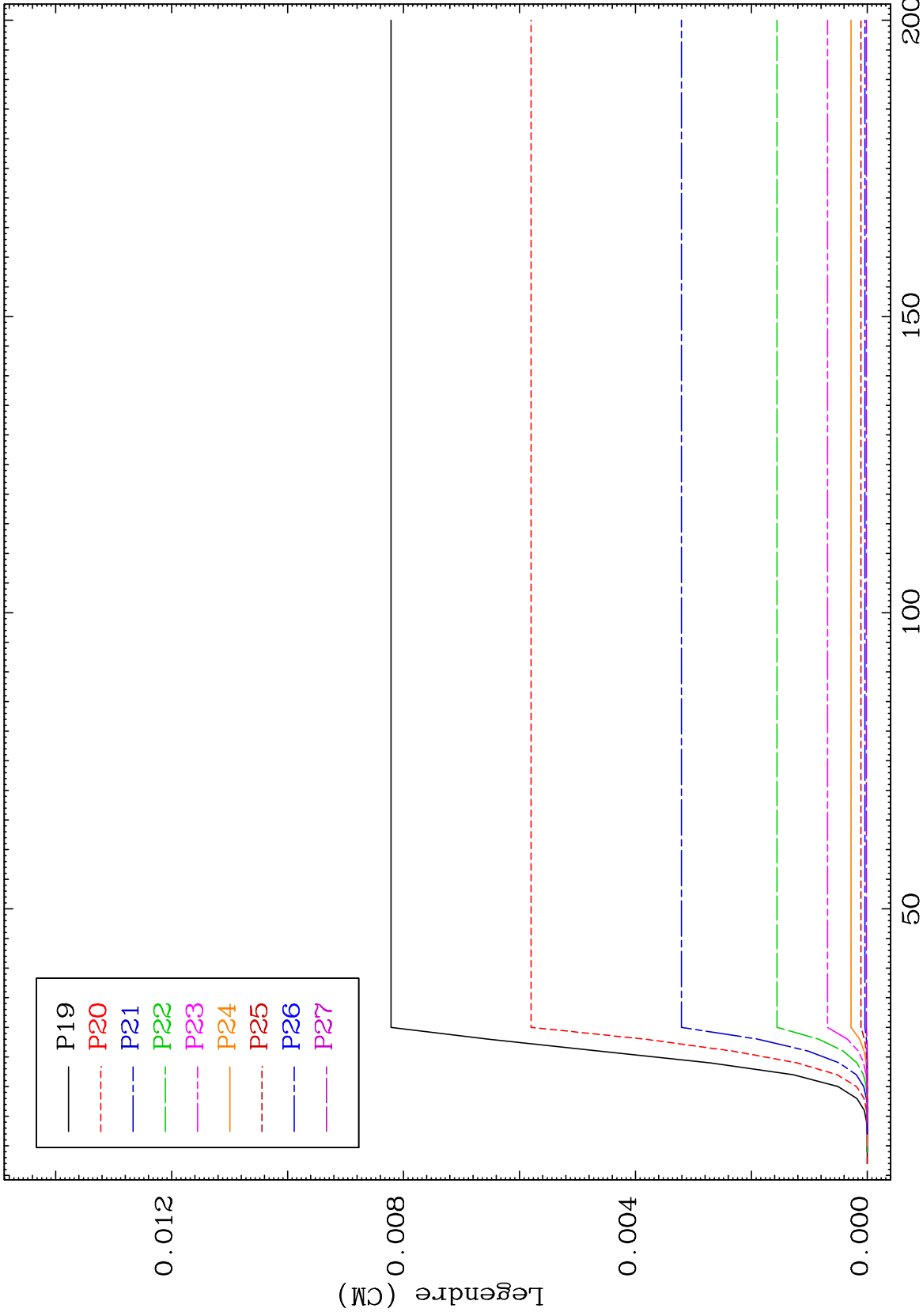
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



110

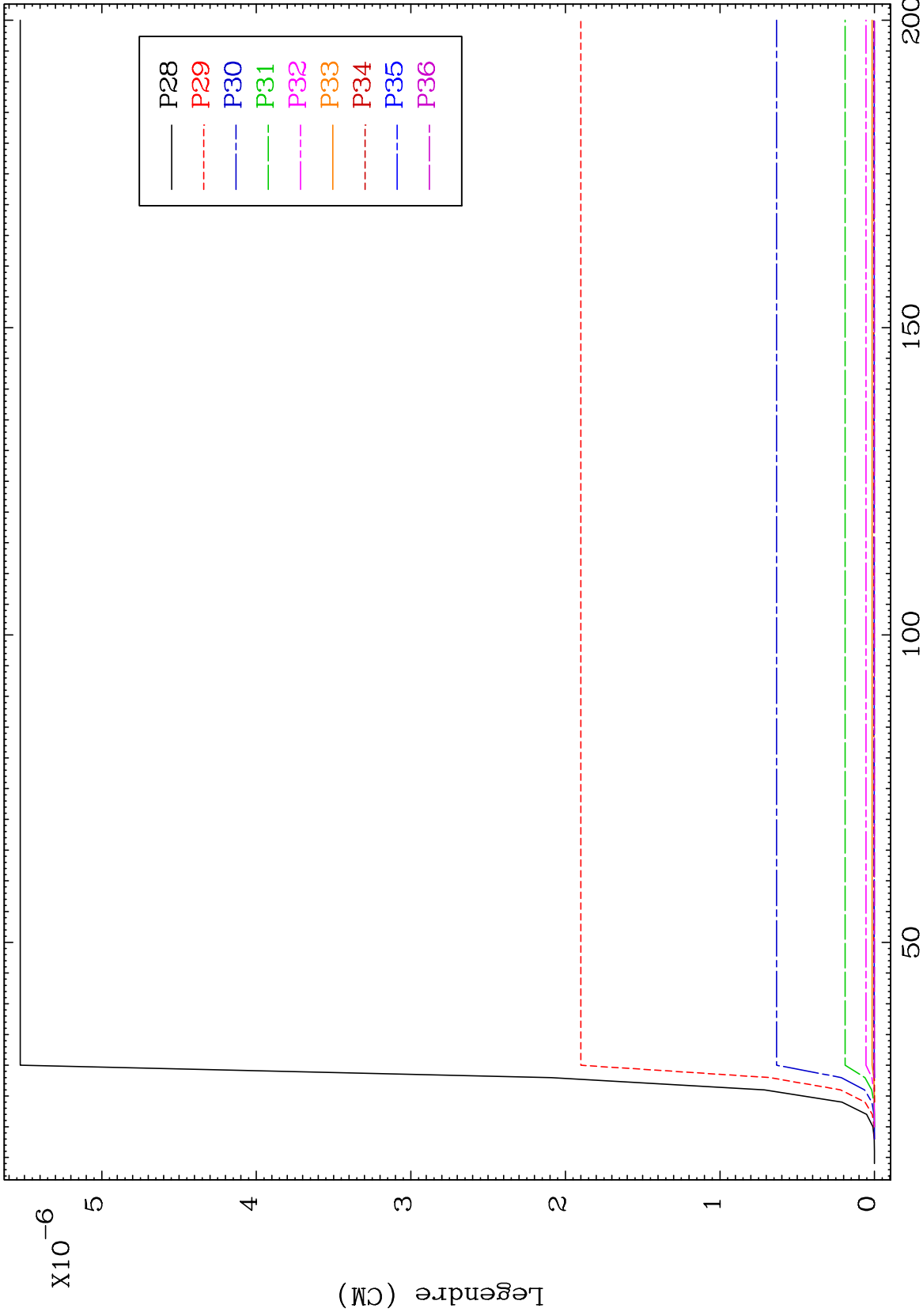
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



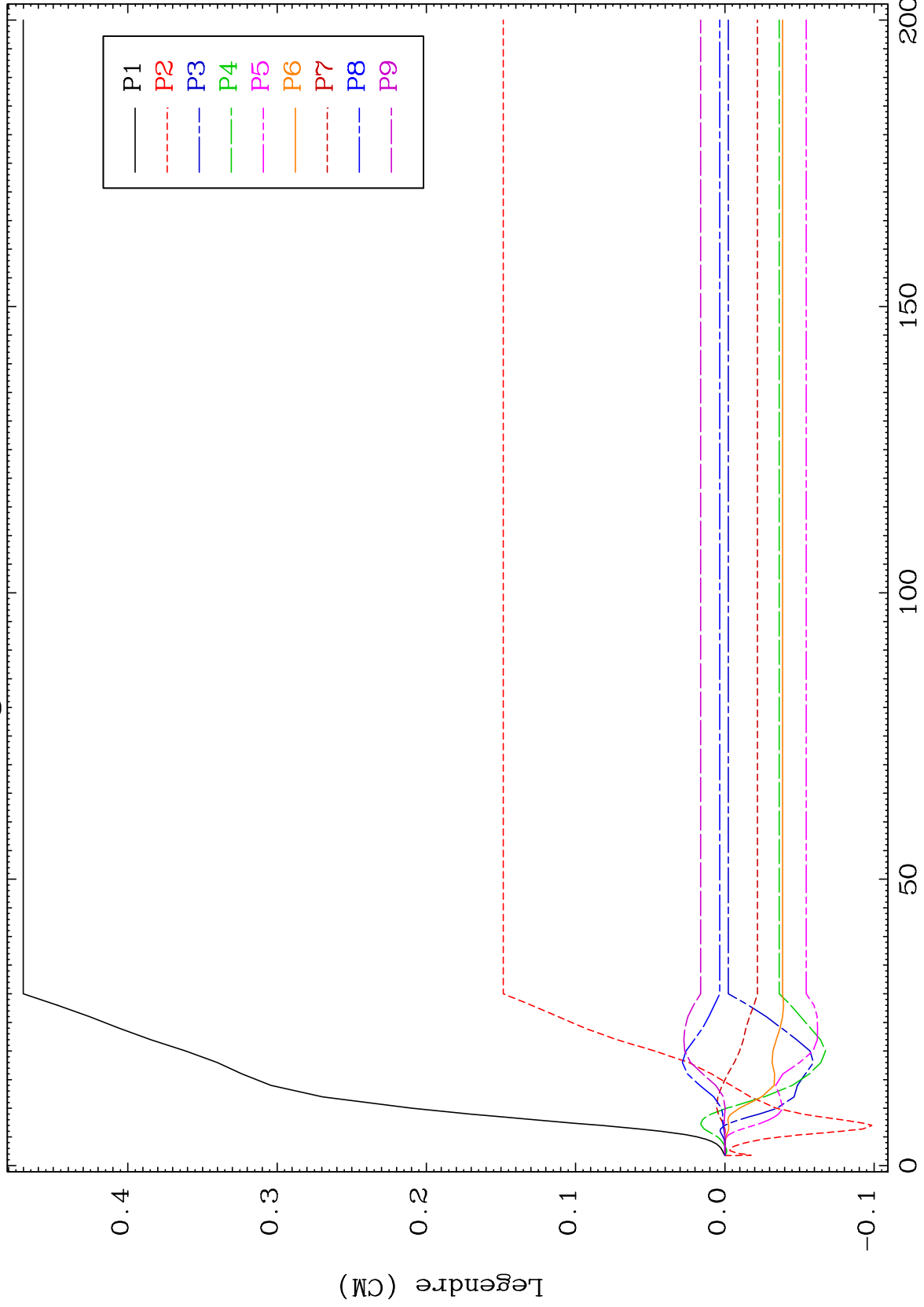
111

59-Pr-139

MAT 5919

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

59-Pr-139



112

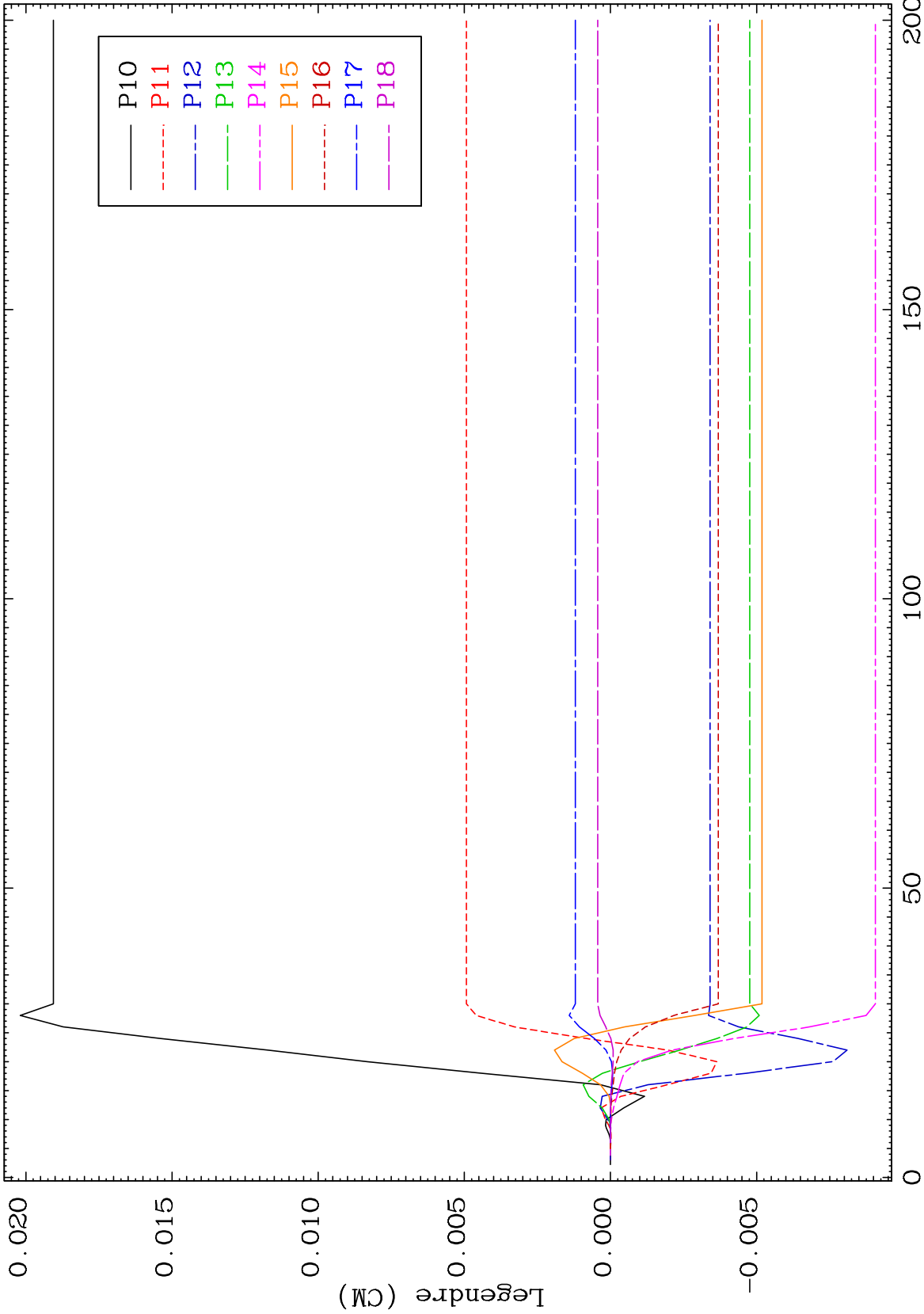
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



113

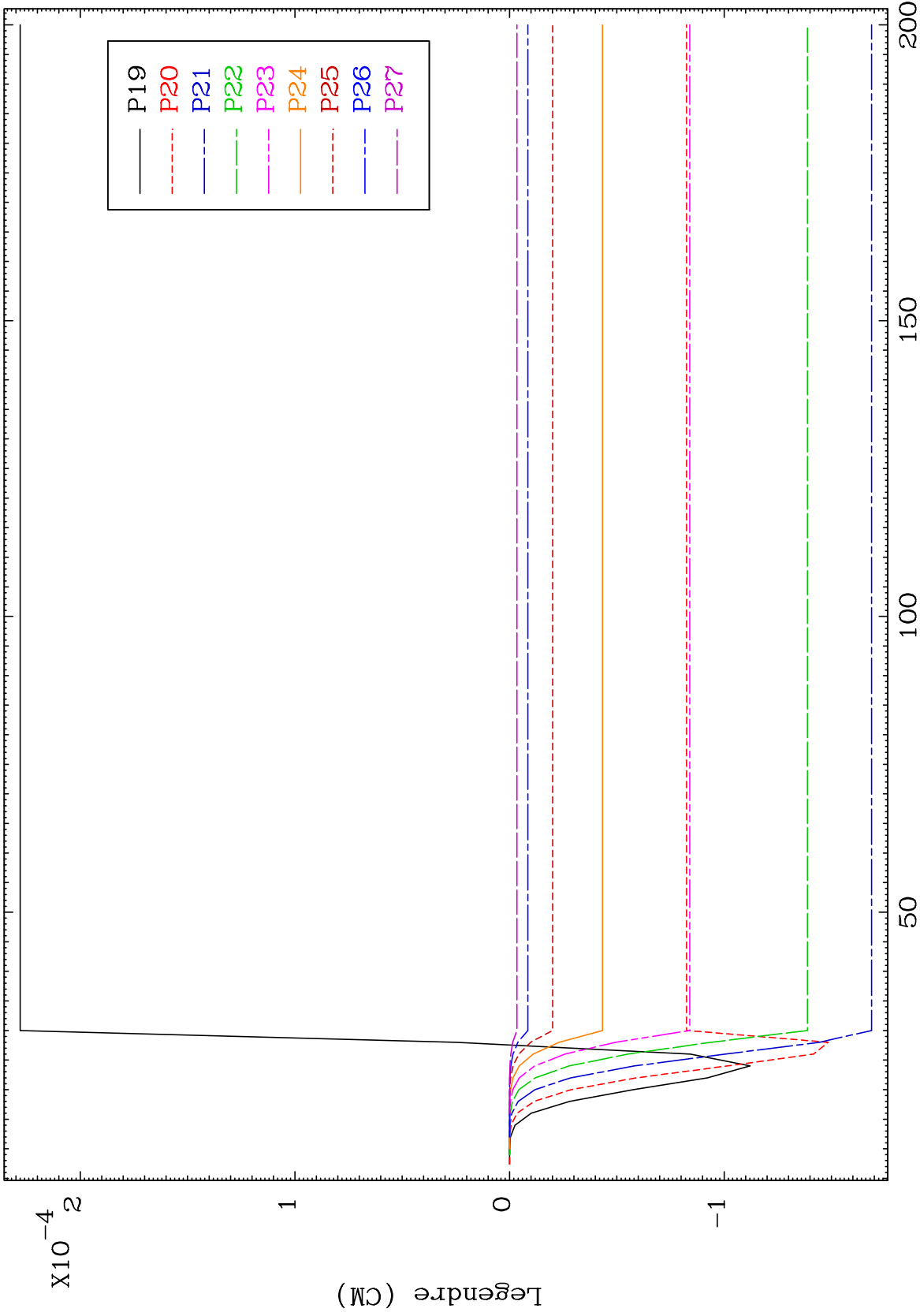
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



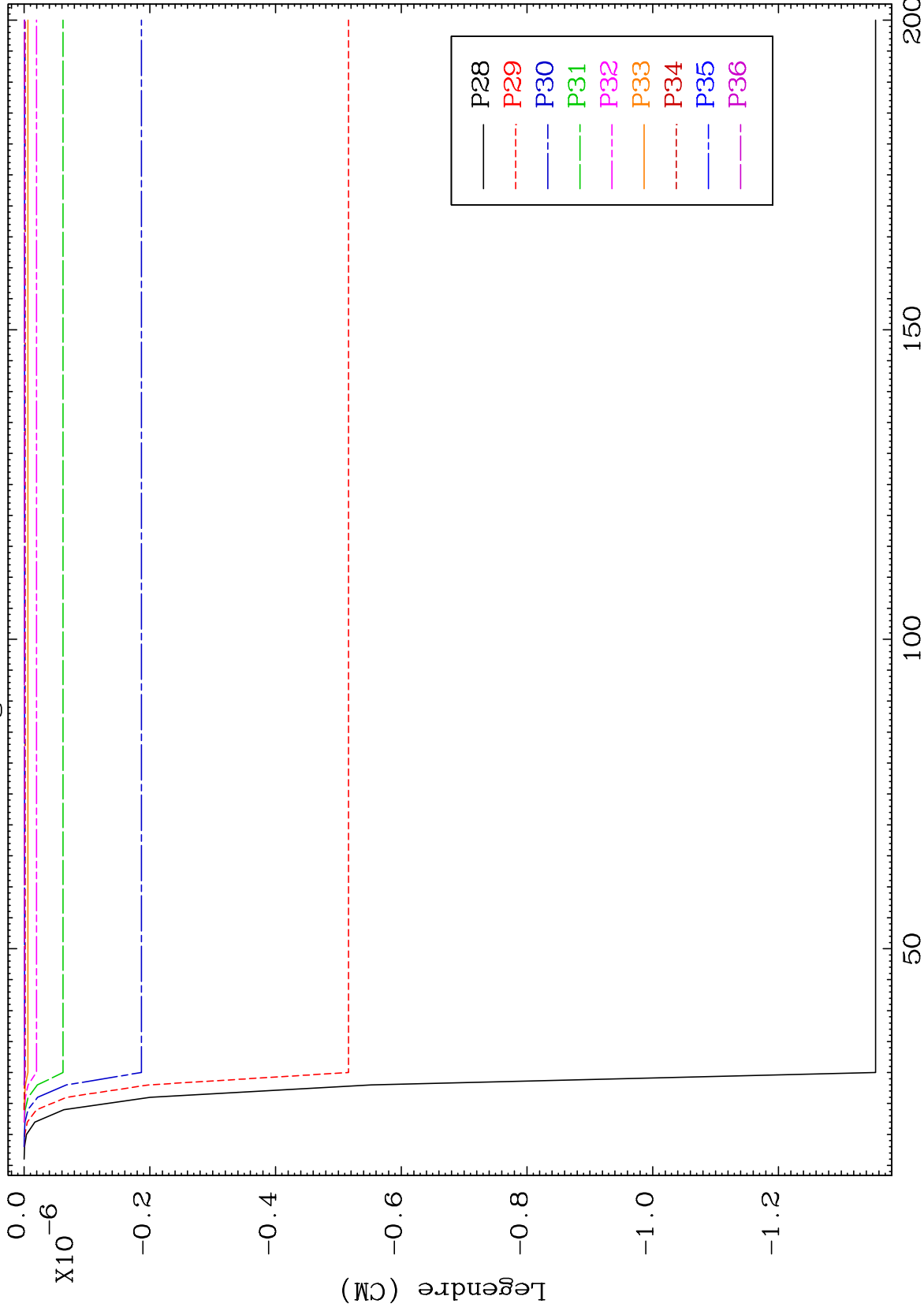
114

59-Pr-139

MAT 5919

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

59-Pr-139



115

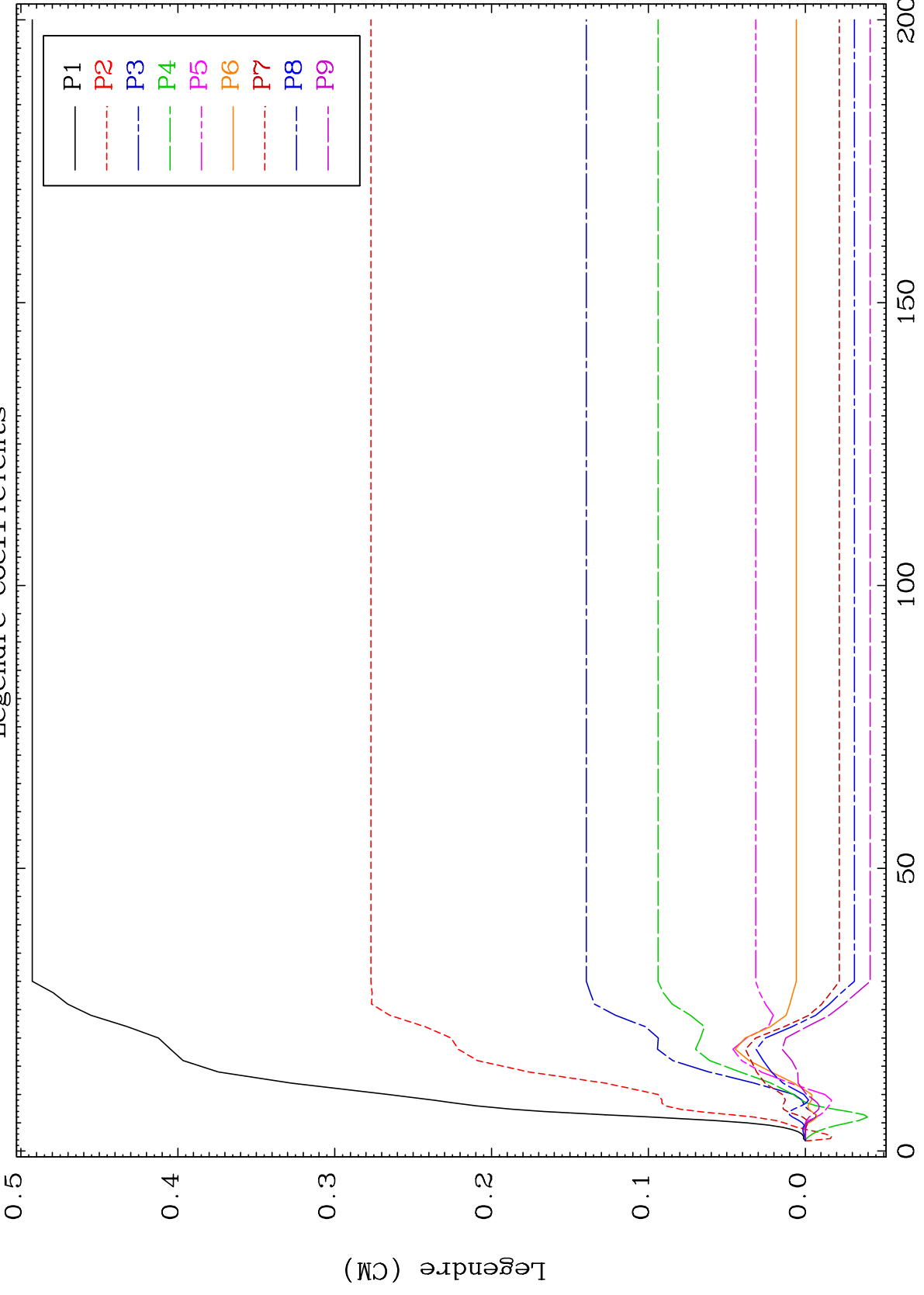
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



116

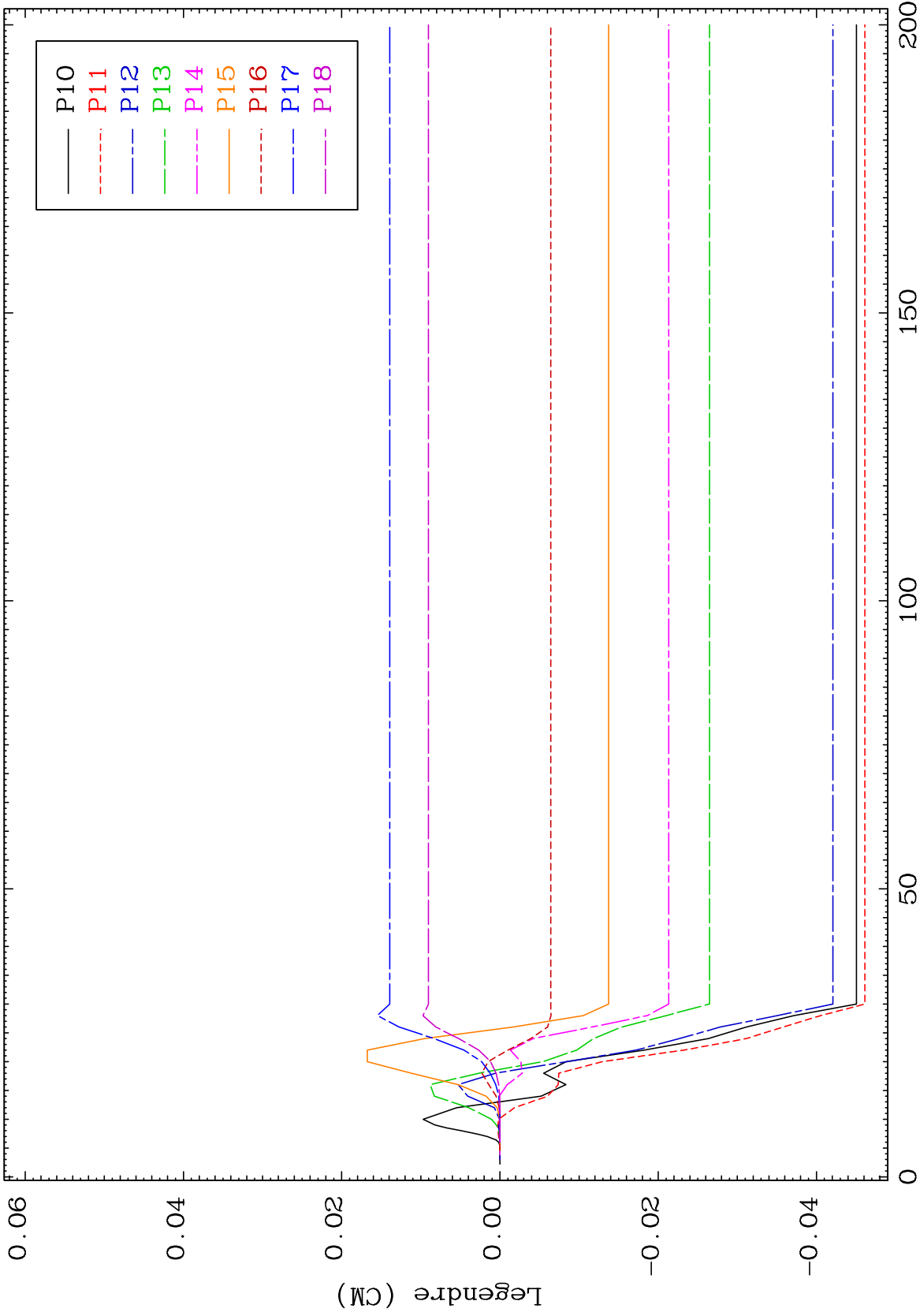
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



117

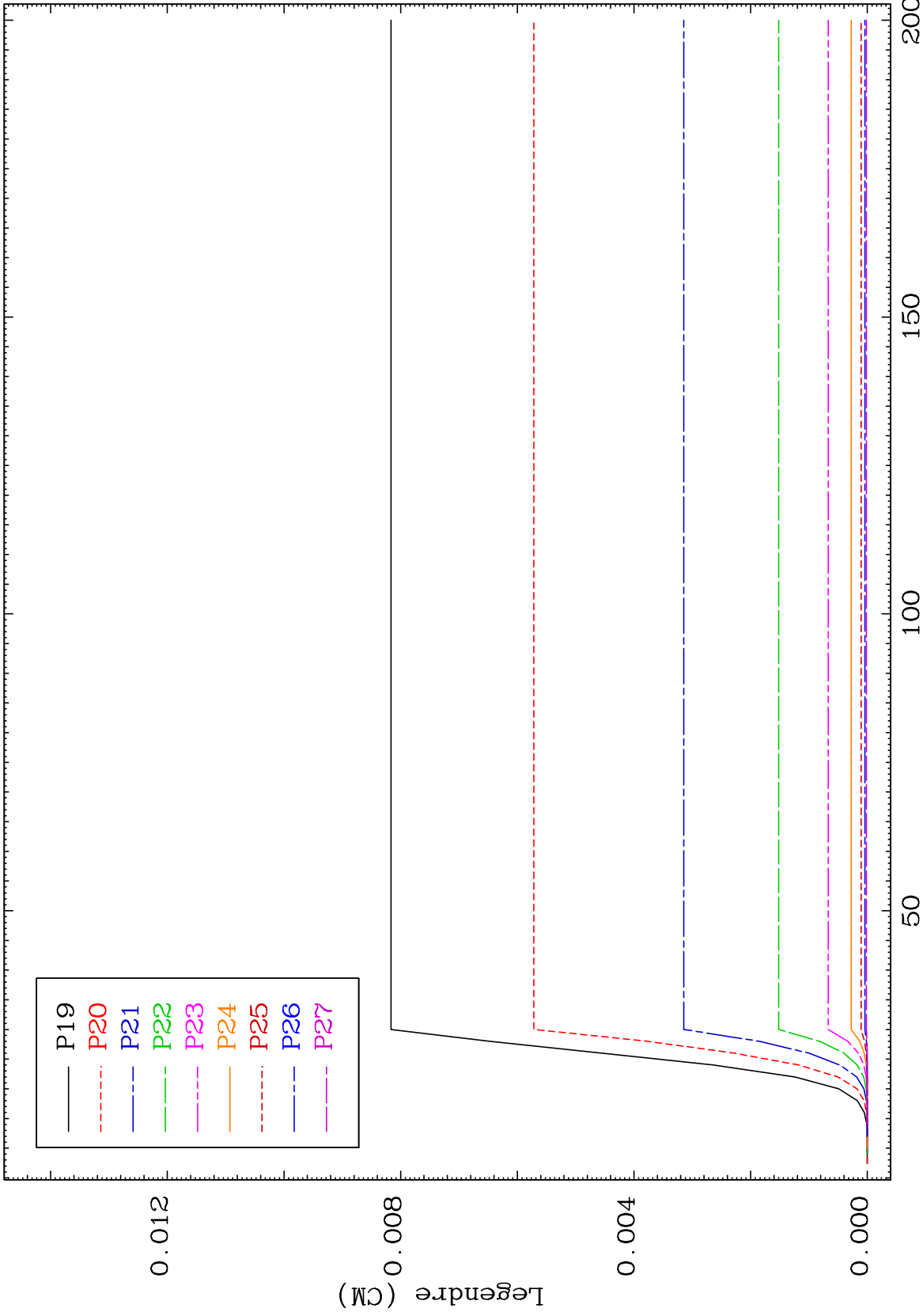
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



118

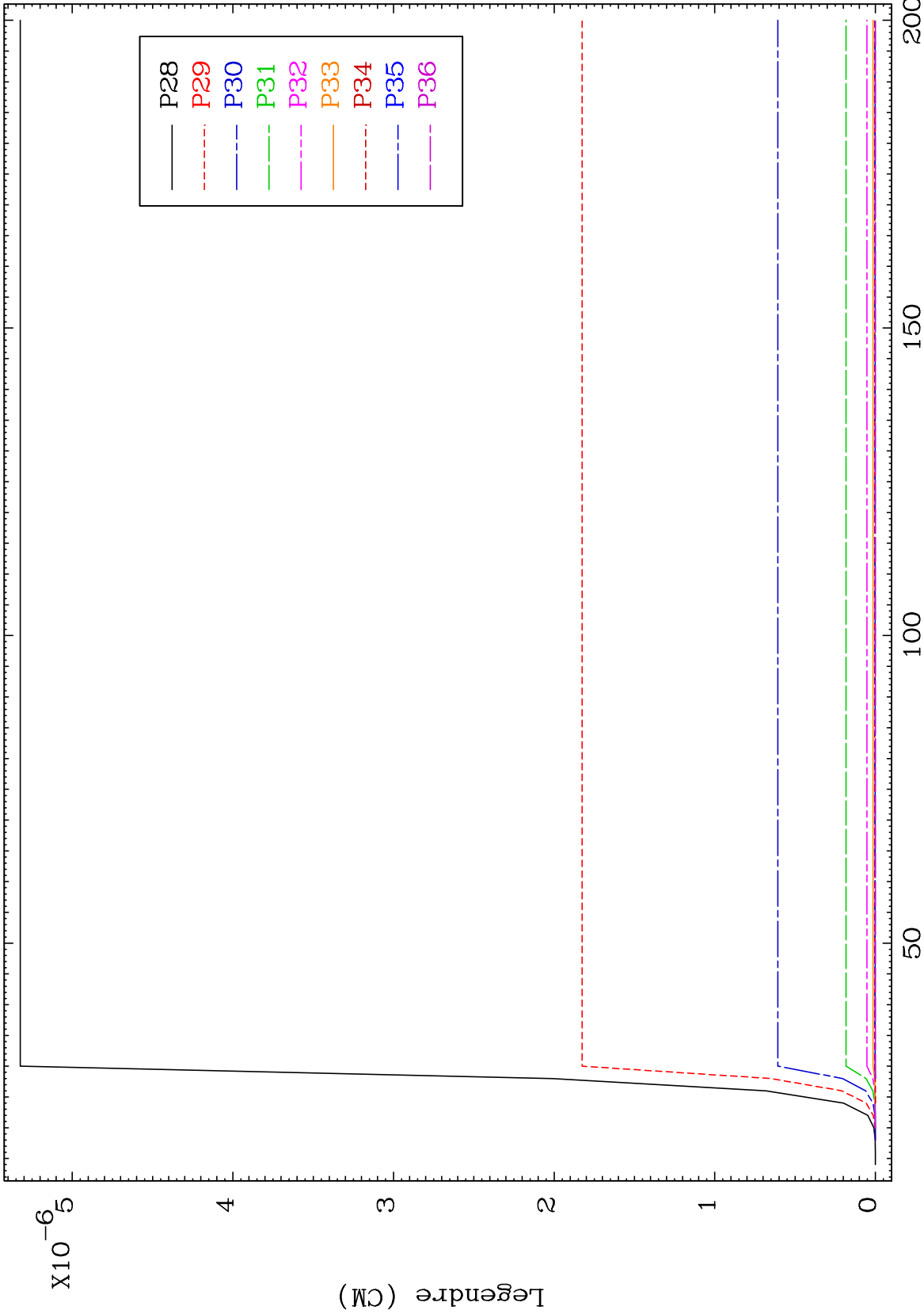
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



119

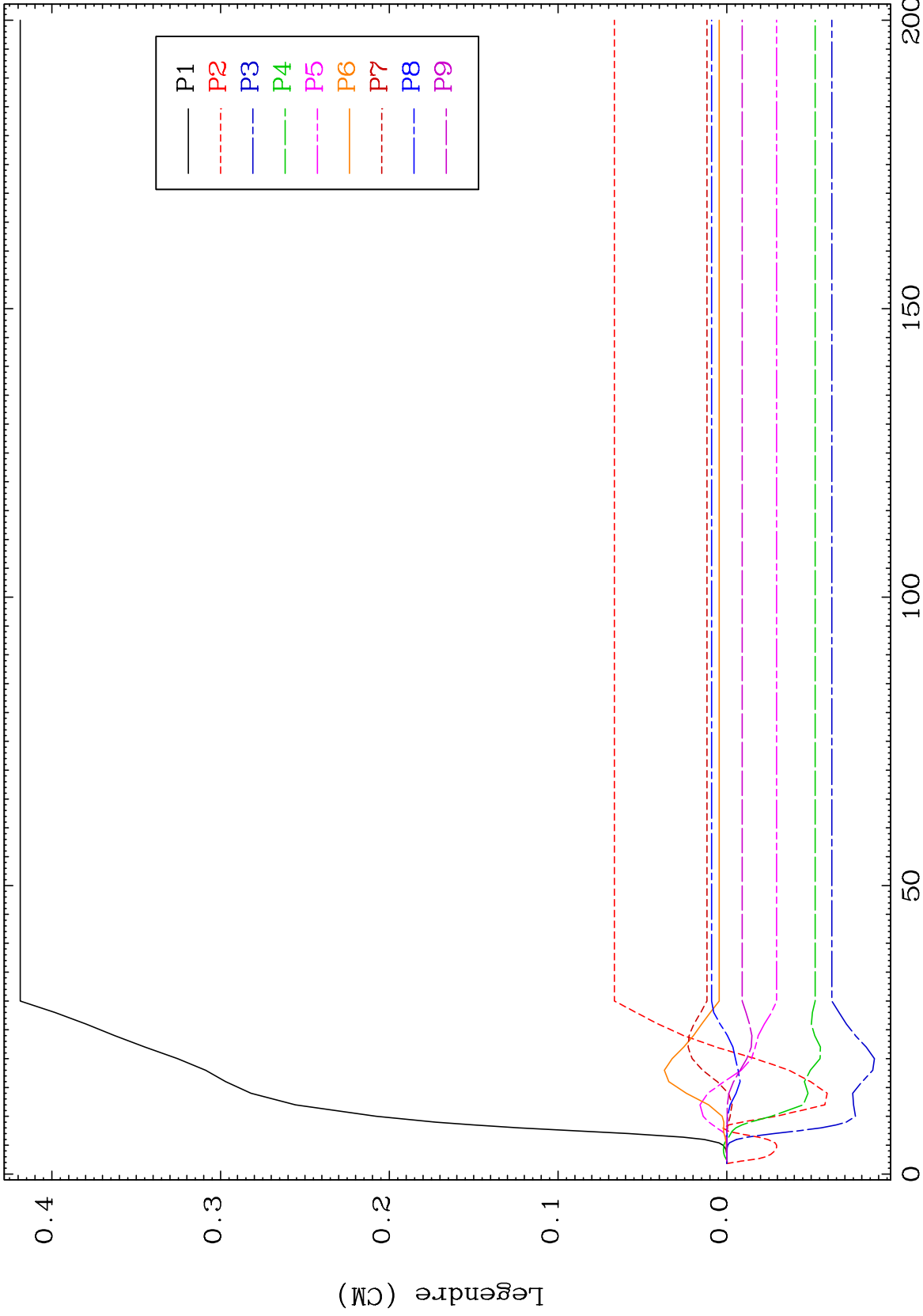
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



59-Pr-139

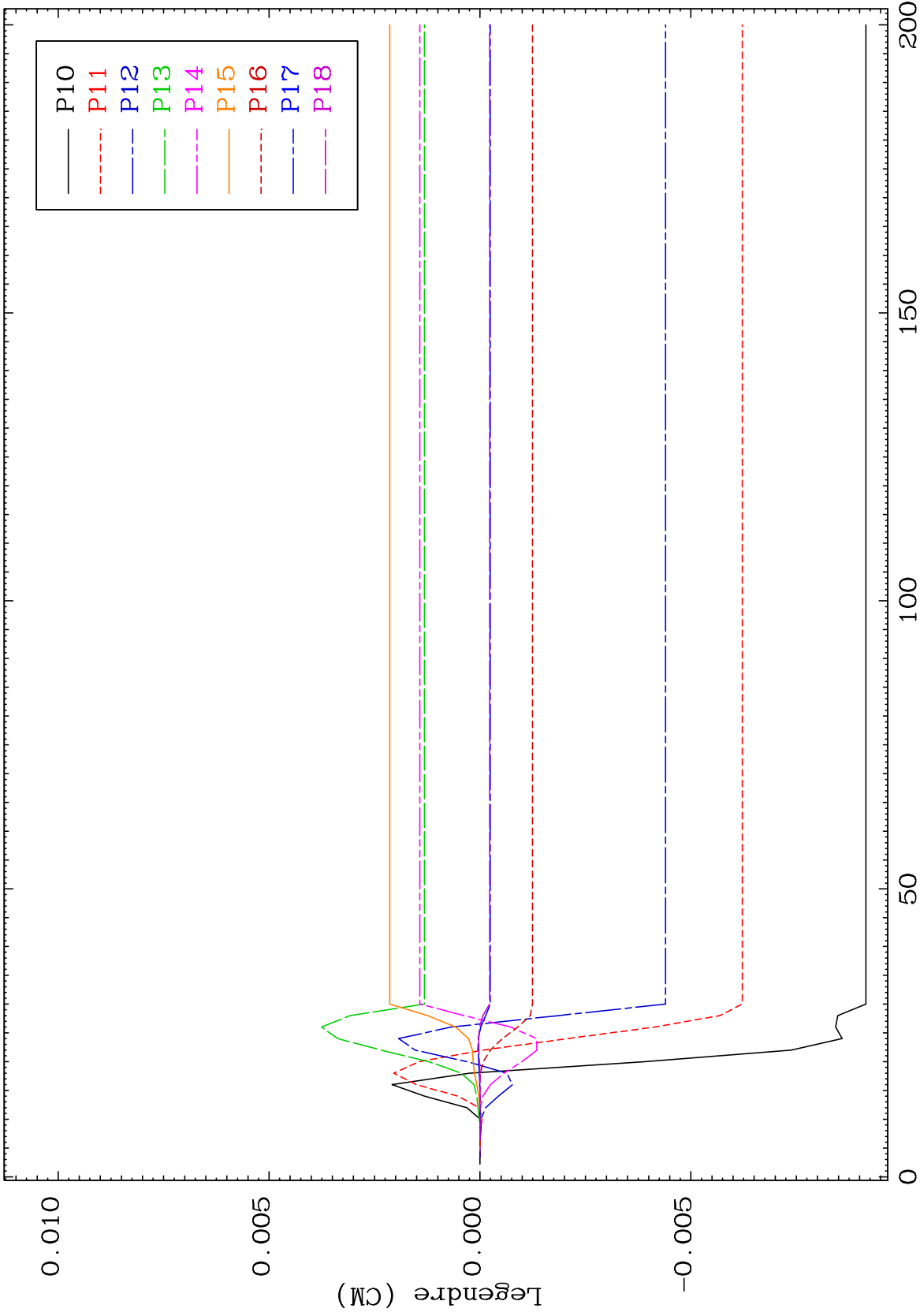
Incident Energy (MeV)

120

MAT 5919

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

59-Pr-139



121

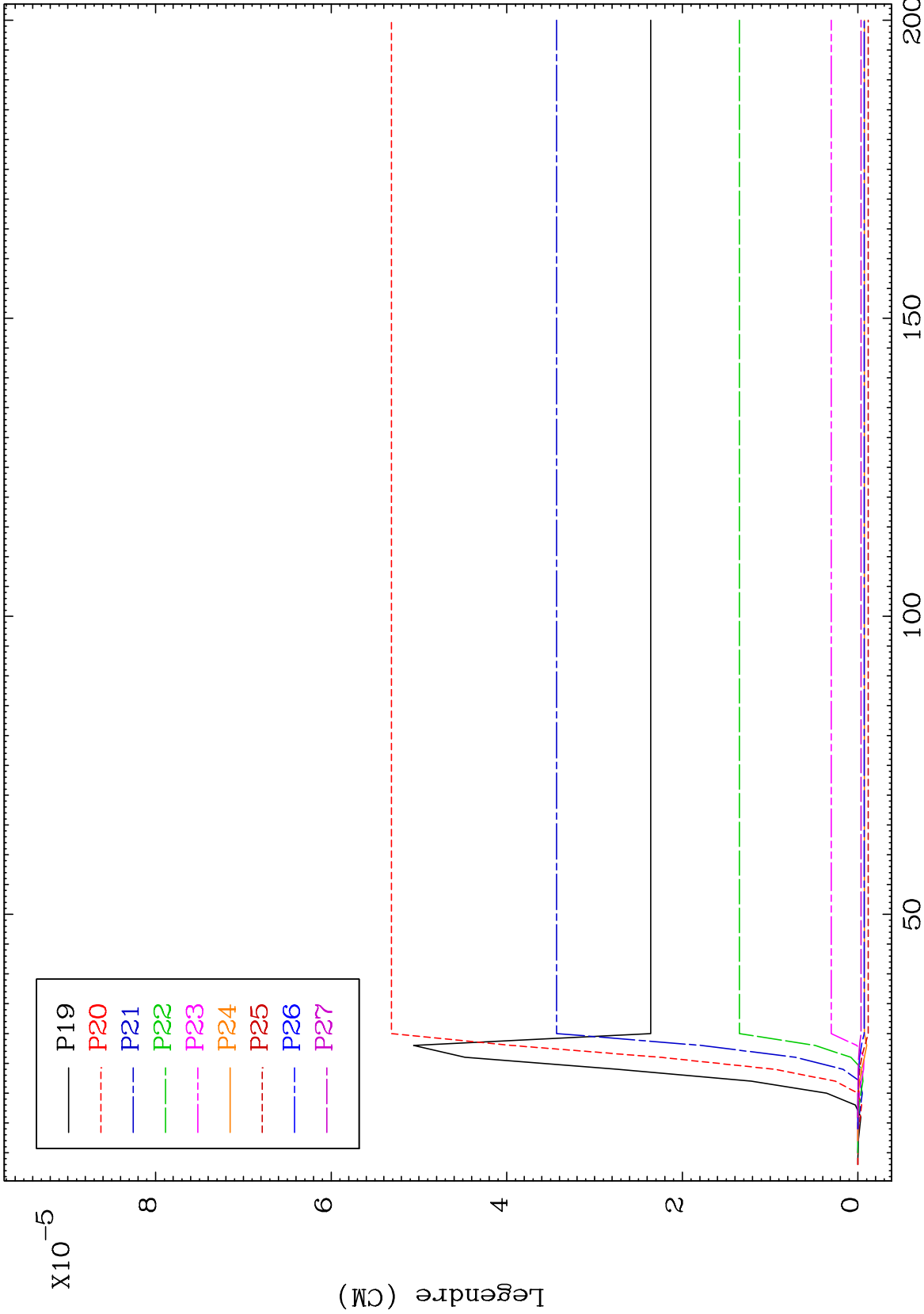
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



122

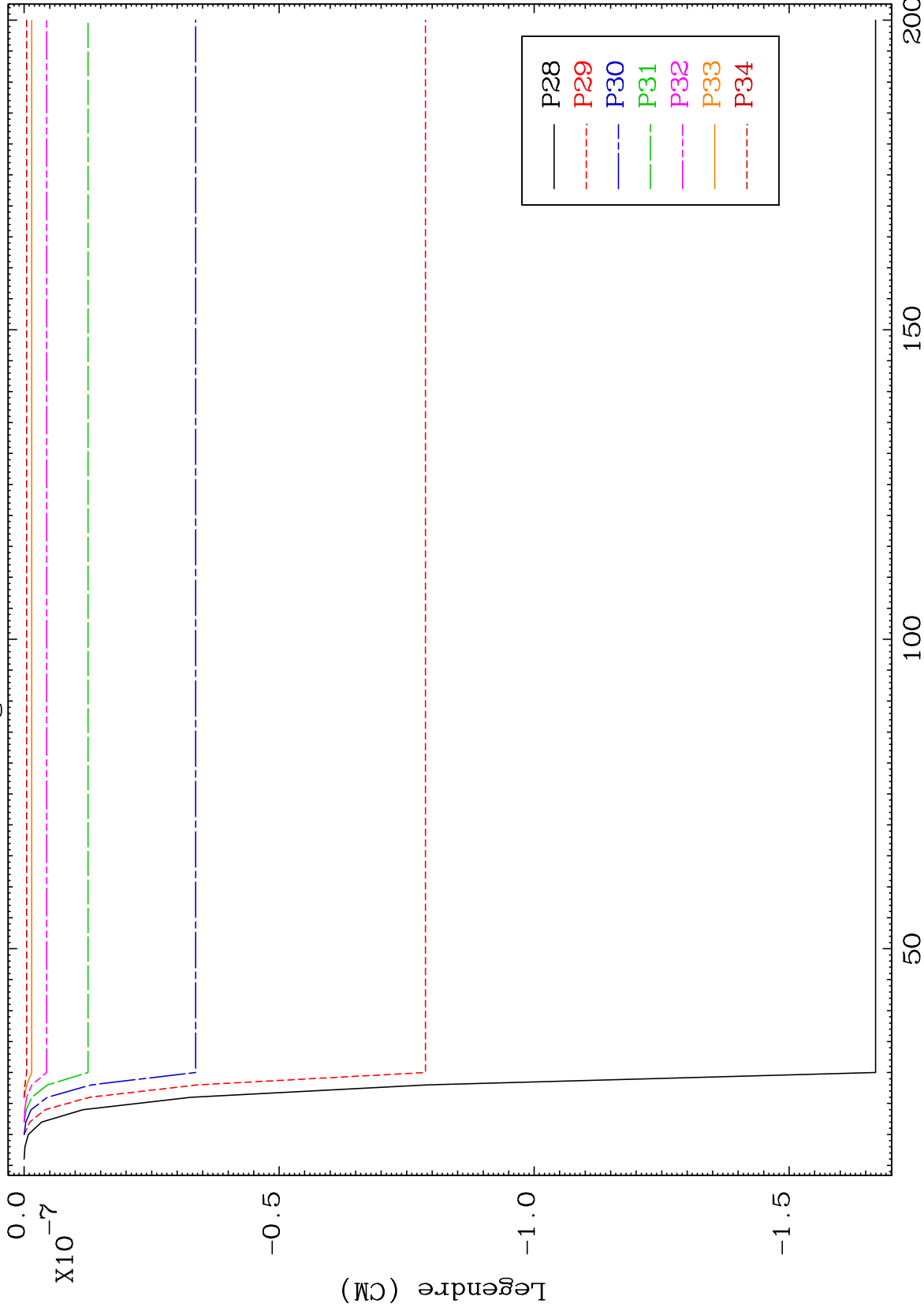
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



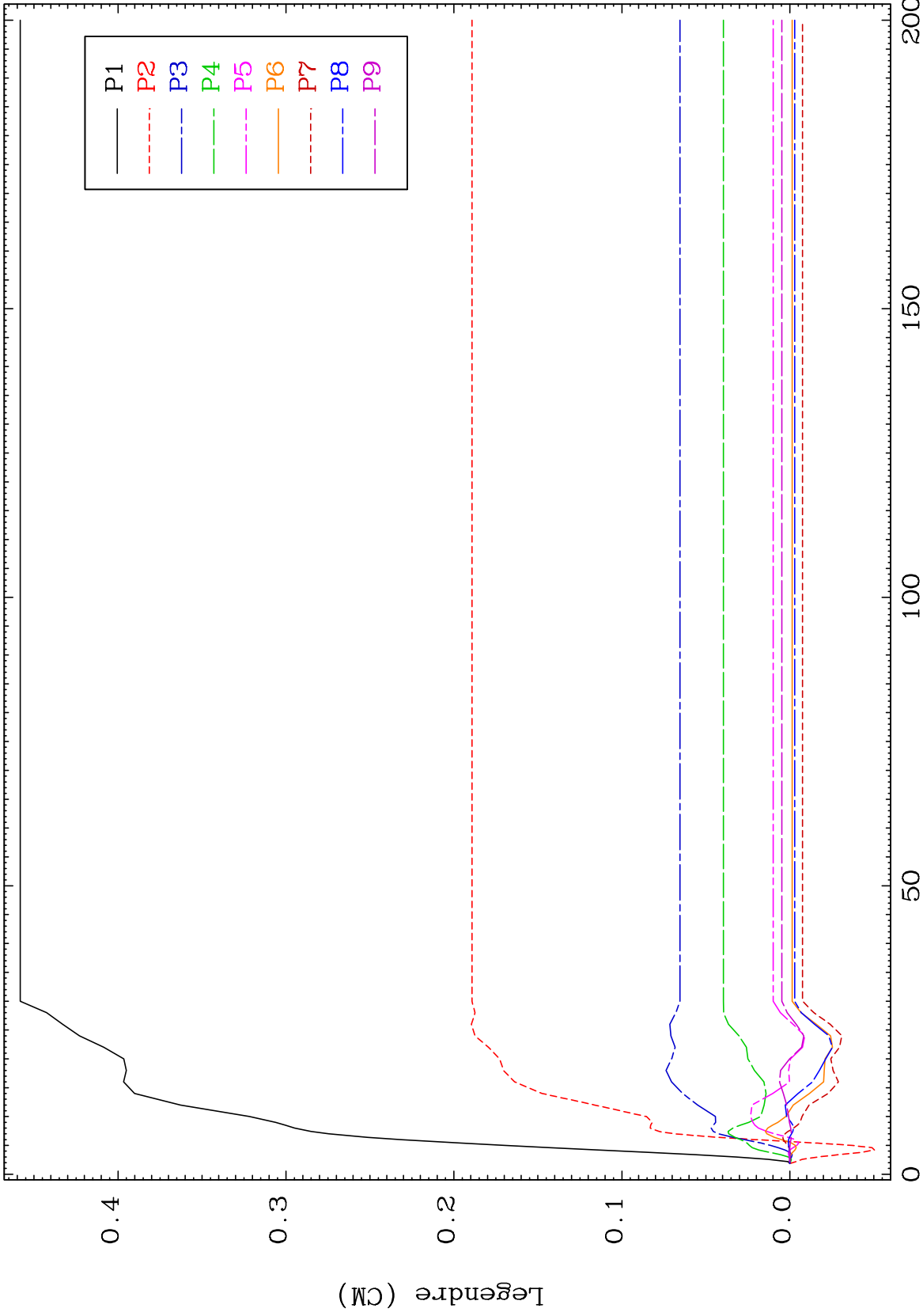
123

59-Pr-139

MAT 5919

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

59-Pr-139



124

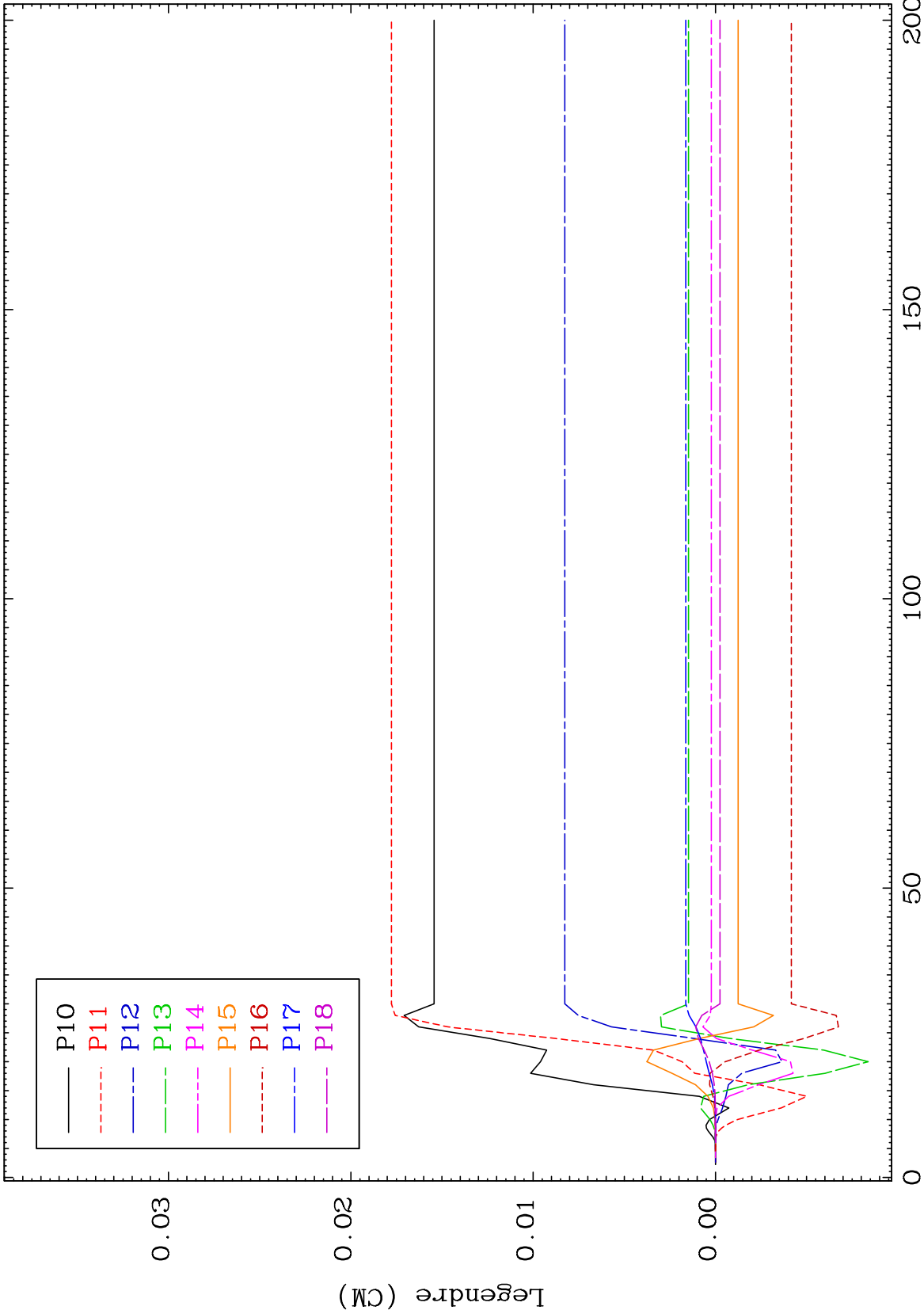
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

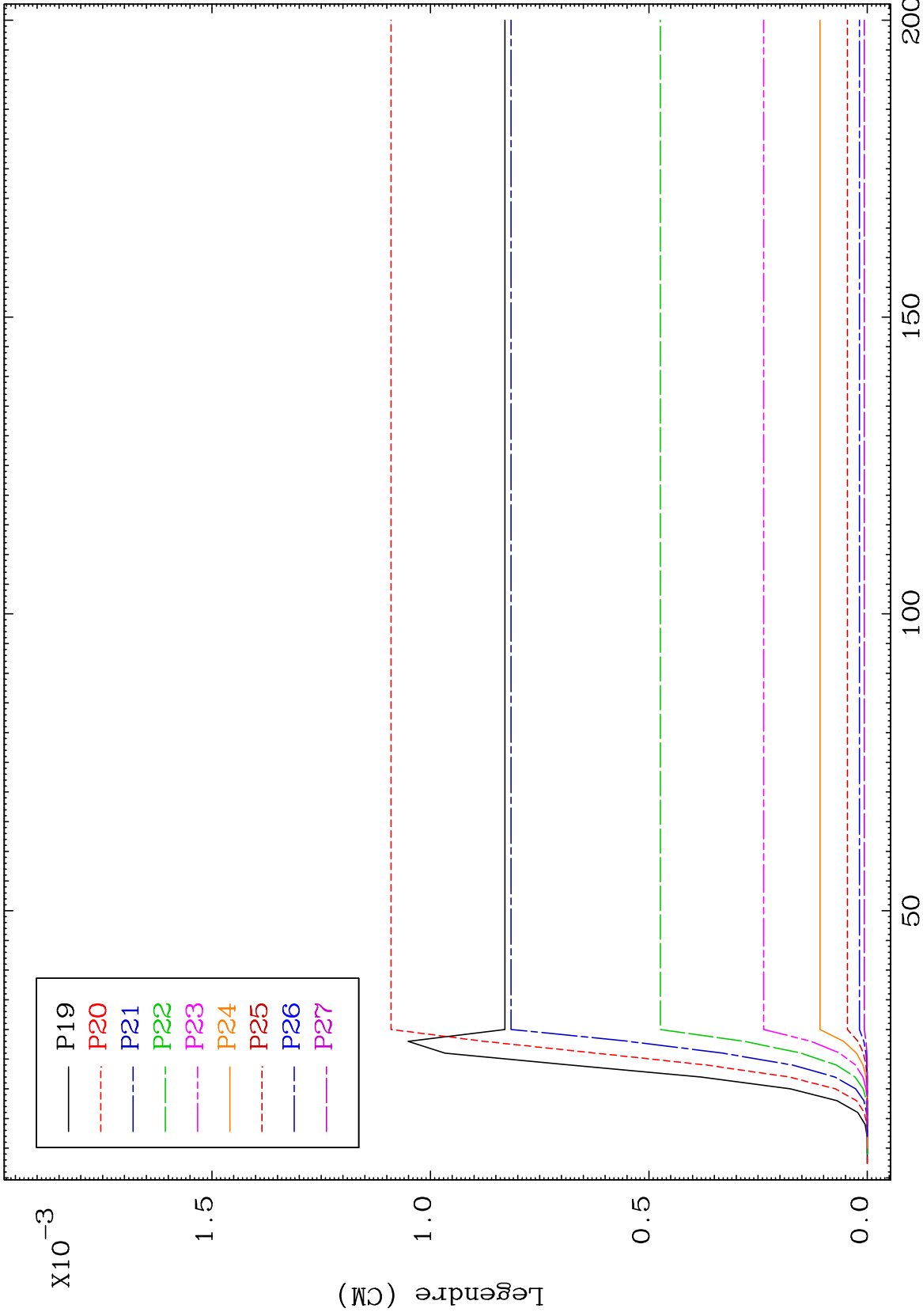
59-Pr-139



125

Incident Energy (MeV)

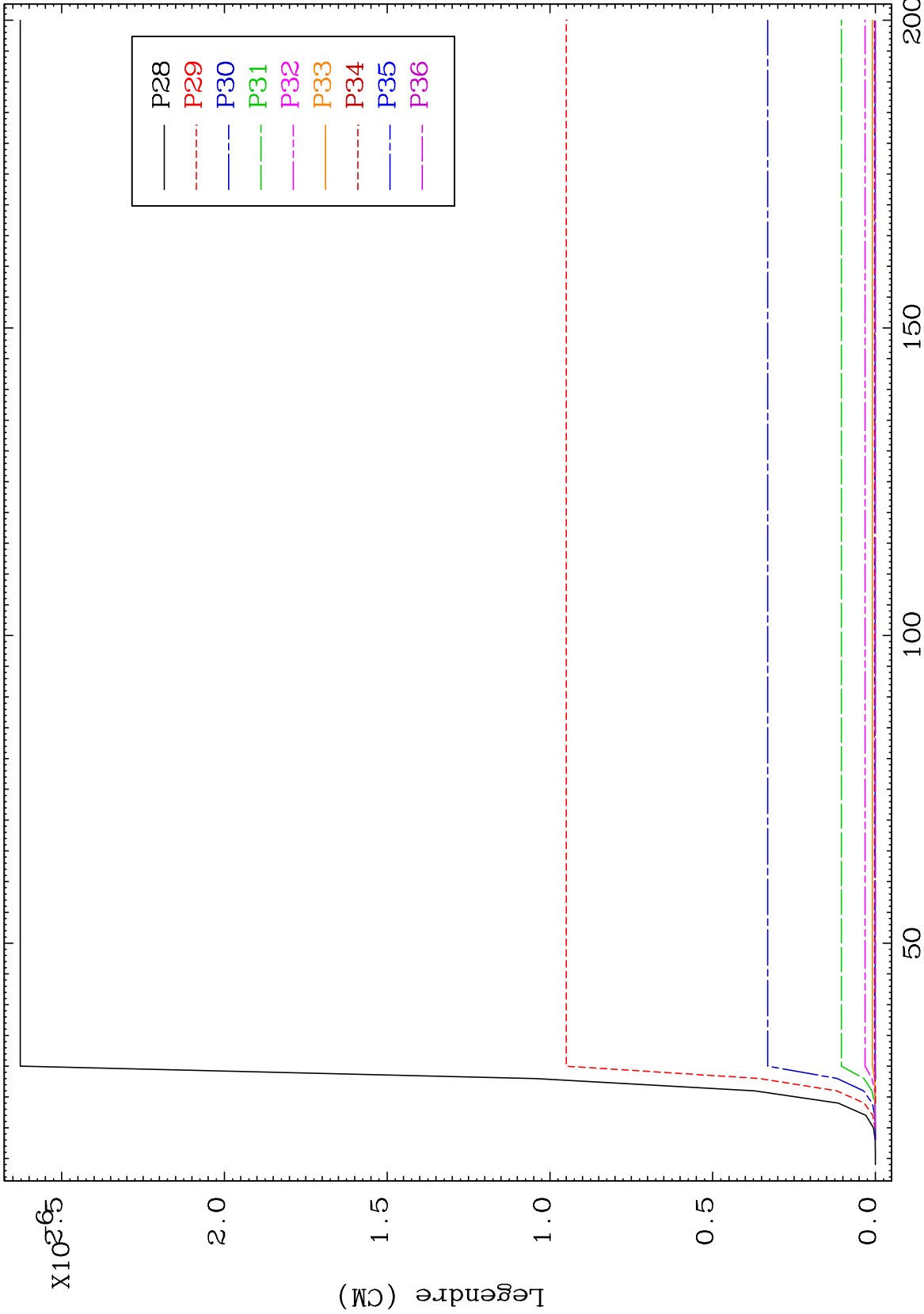
59-Pr-139



MAT 5919

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

59-Pr-139



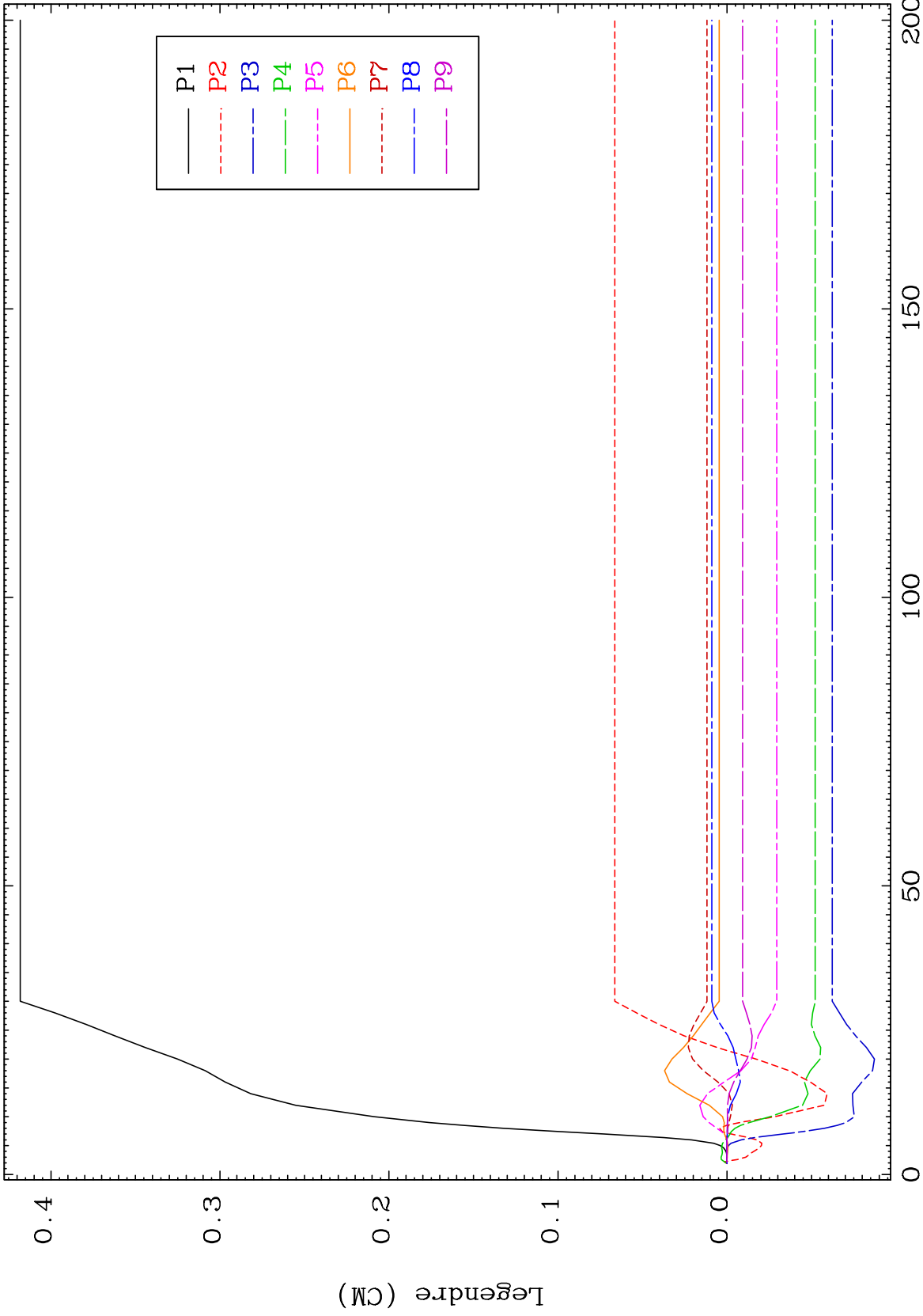
127

59-Pr-139

MAT 5919

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

59-Pr-139



128

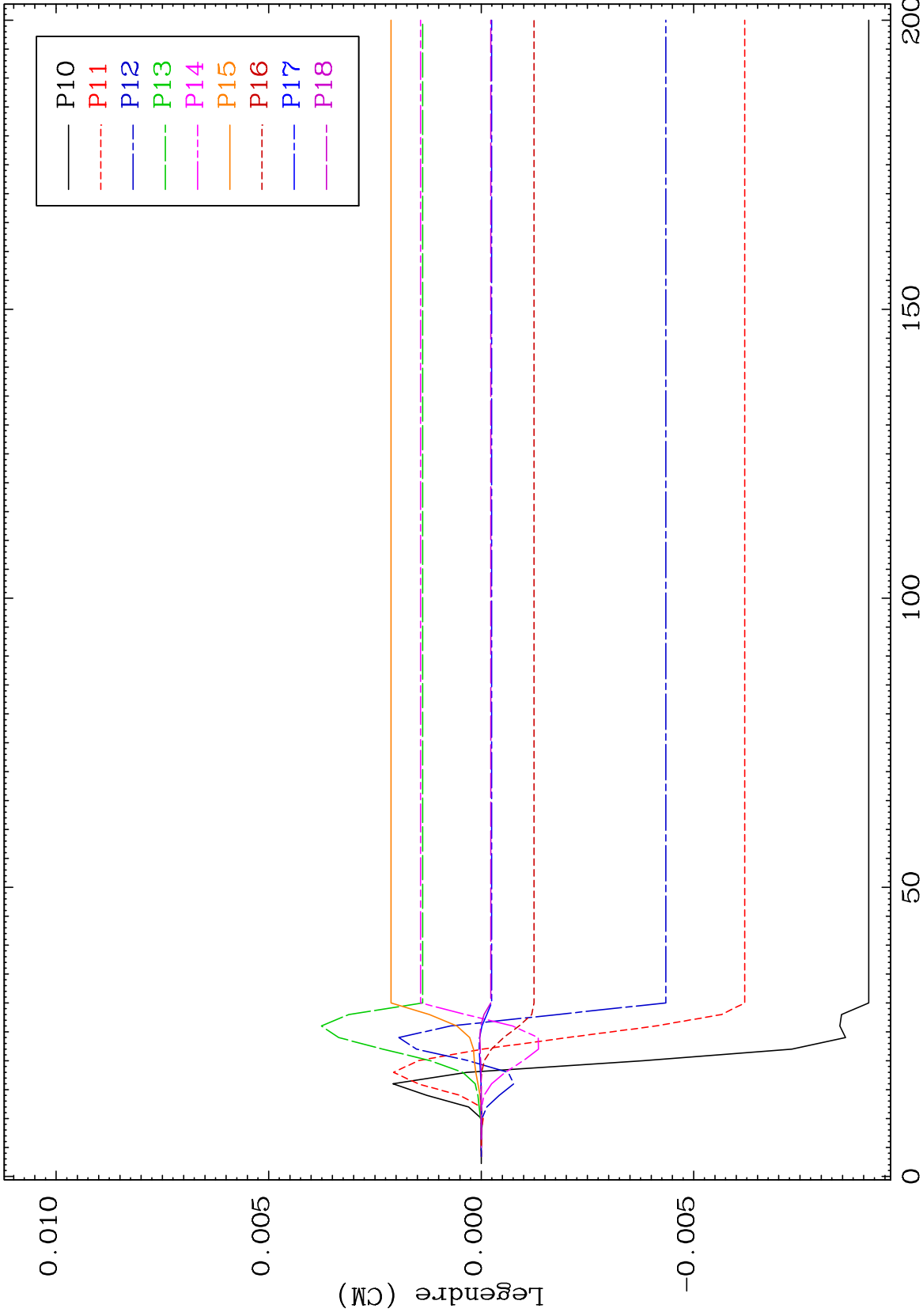
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



129

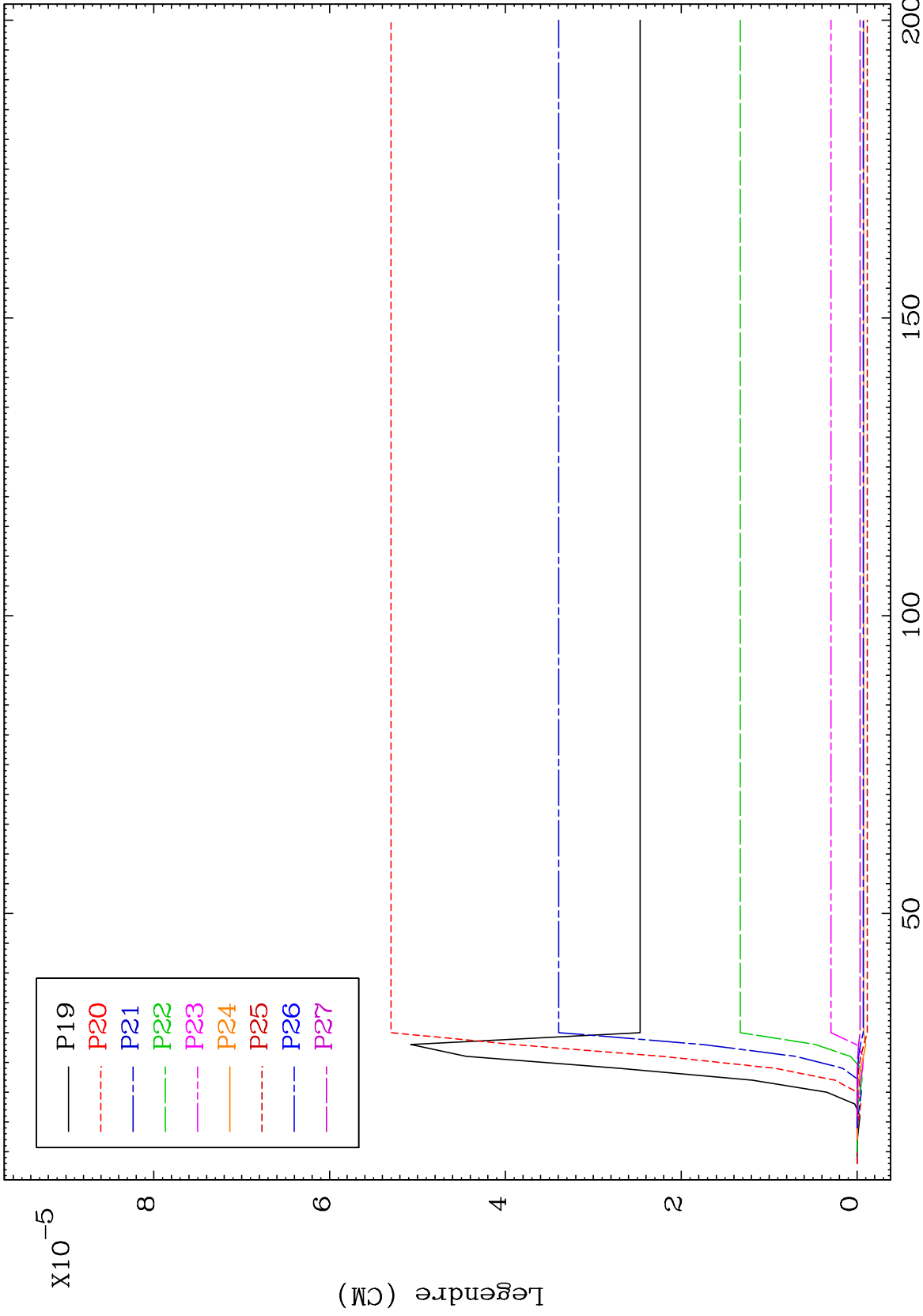
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



130

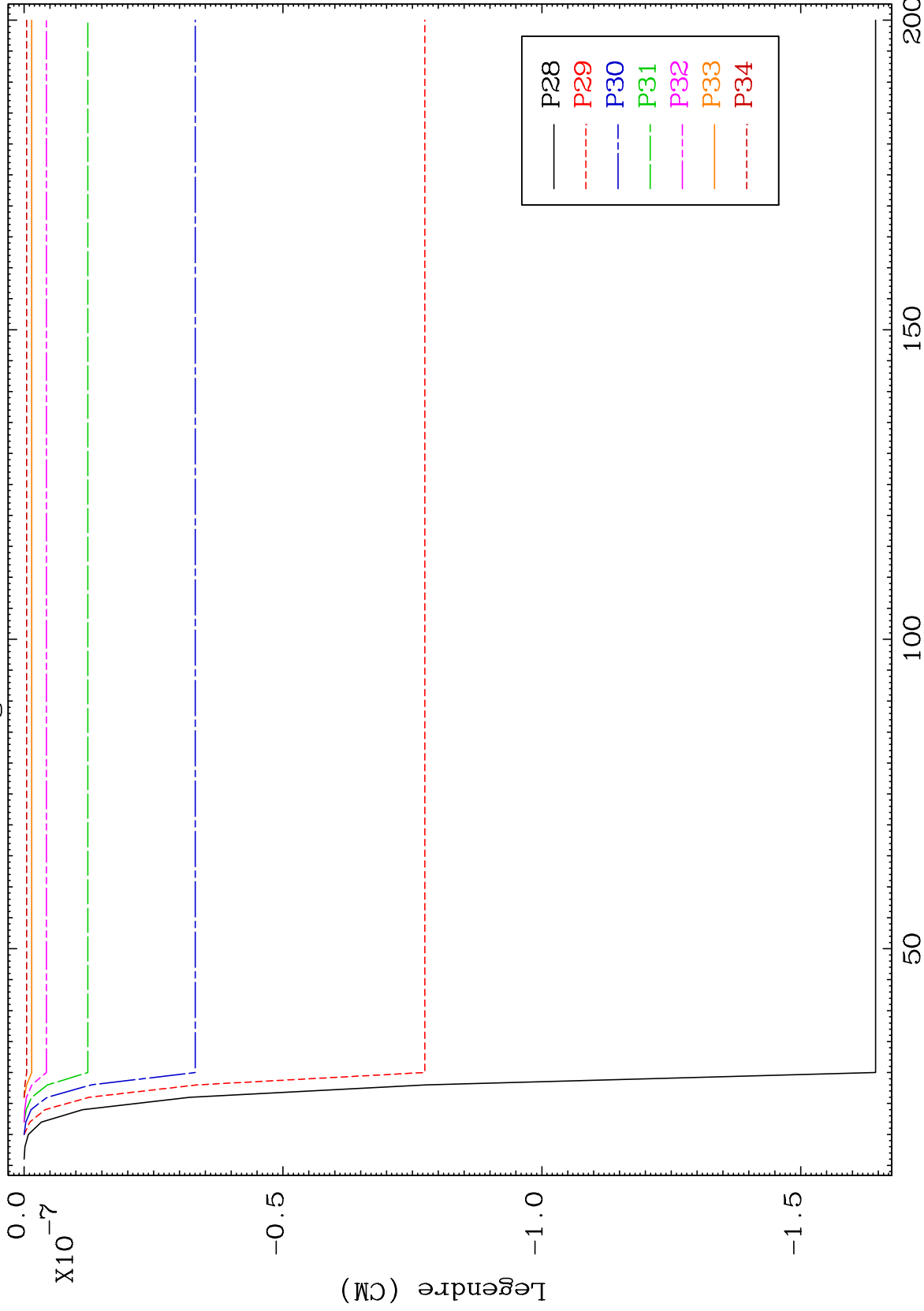
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



59-Pr-139

Incident Energy (MeV)

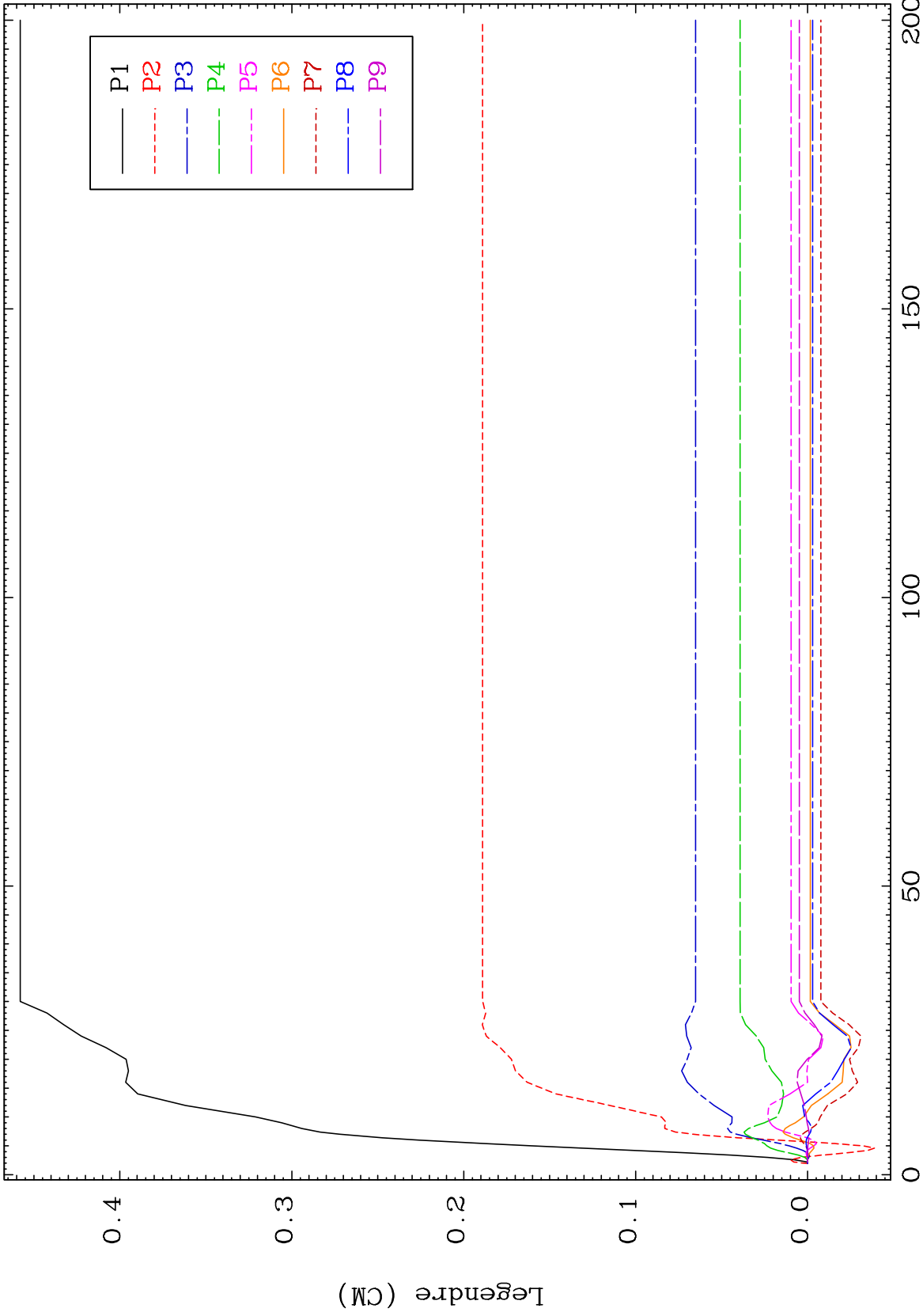
Legendre (CM)

131

MAT 5919

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

59-Pr-139



132

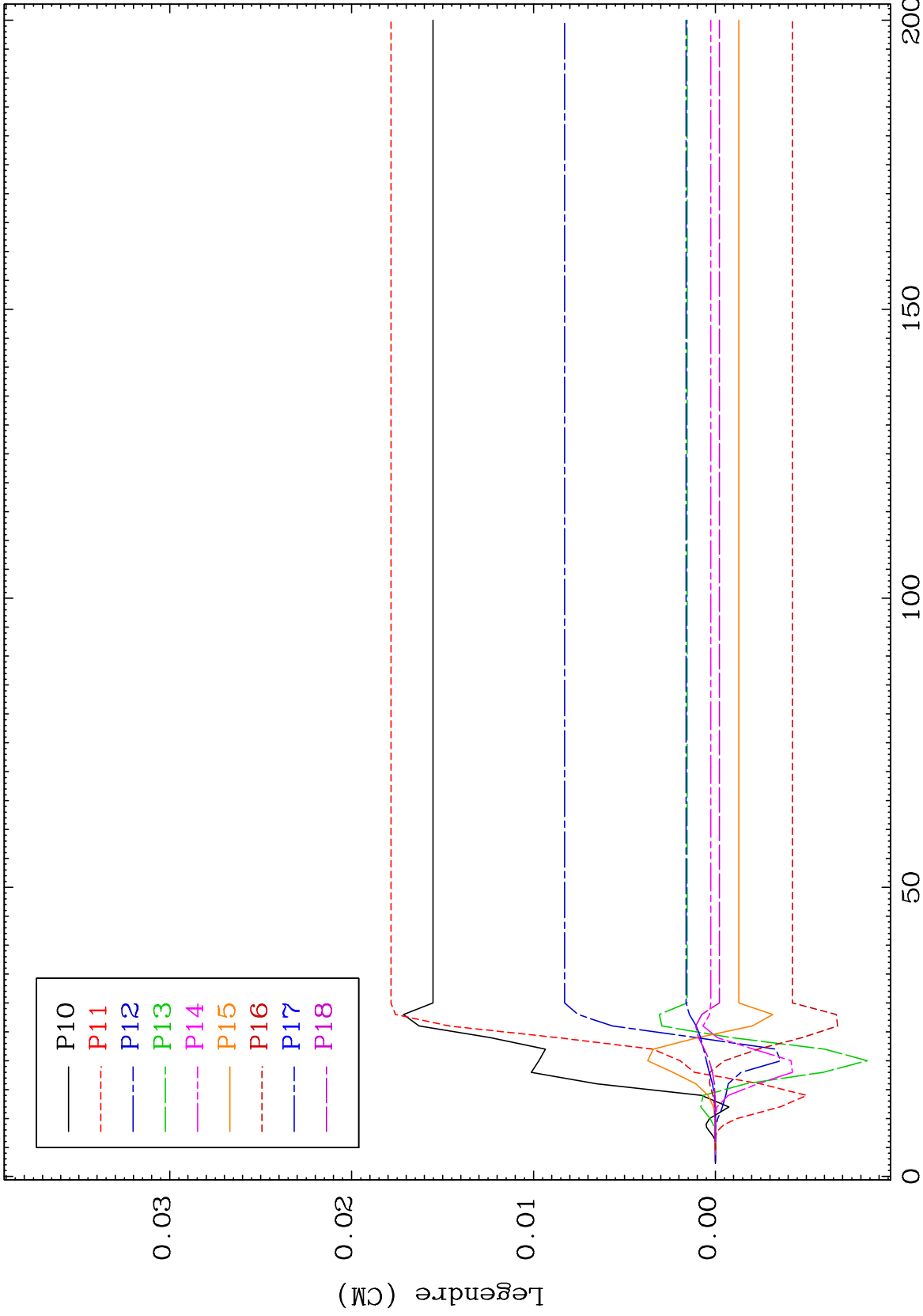
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

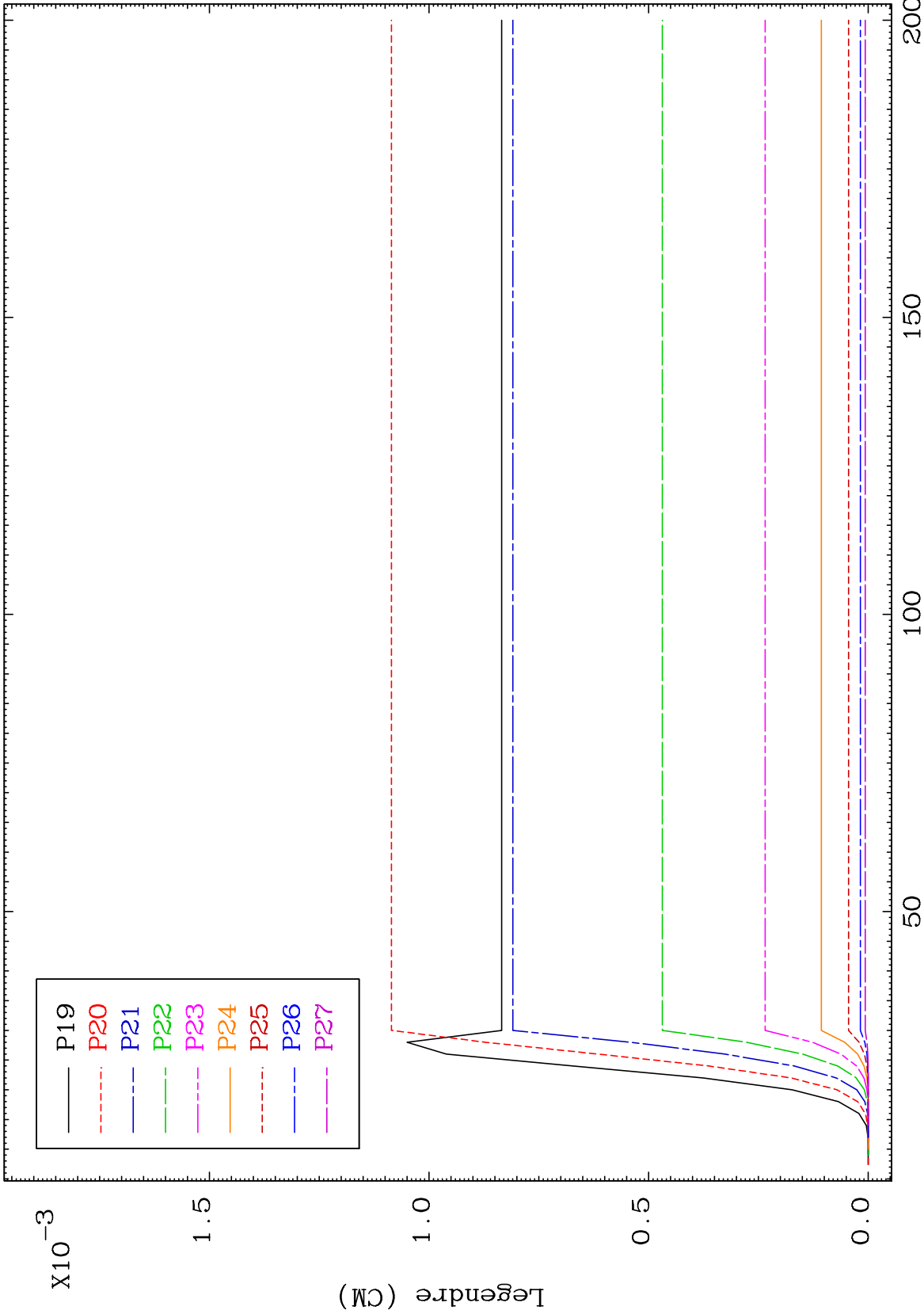
59-Pr-139



133

Incident Energy (MeV)

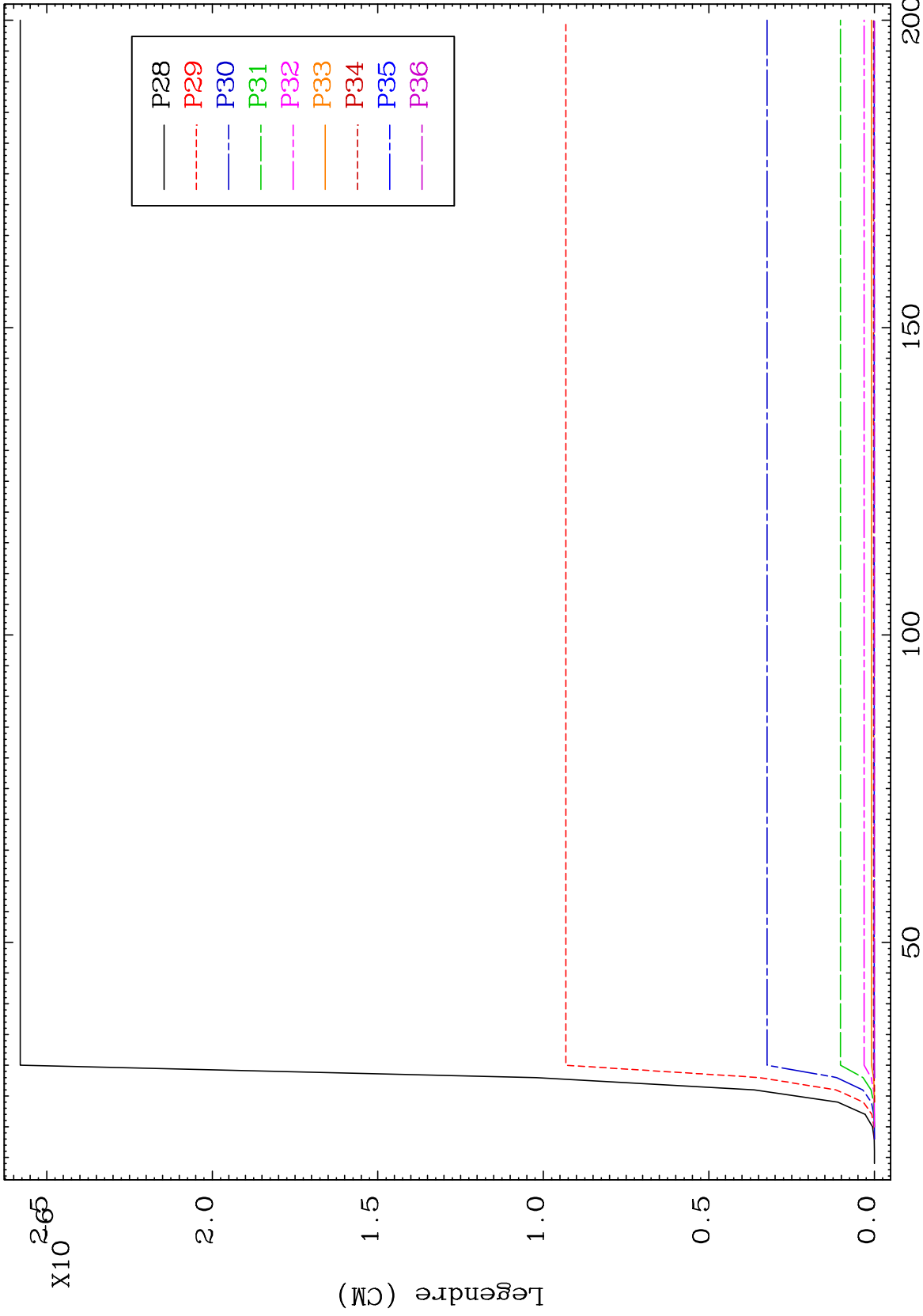
59-Pr-139



MAT 5919

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

59-Pr-139



135

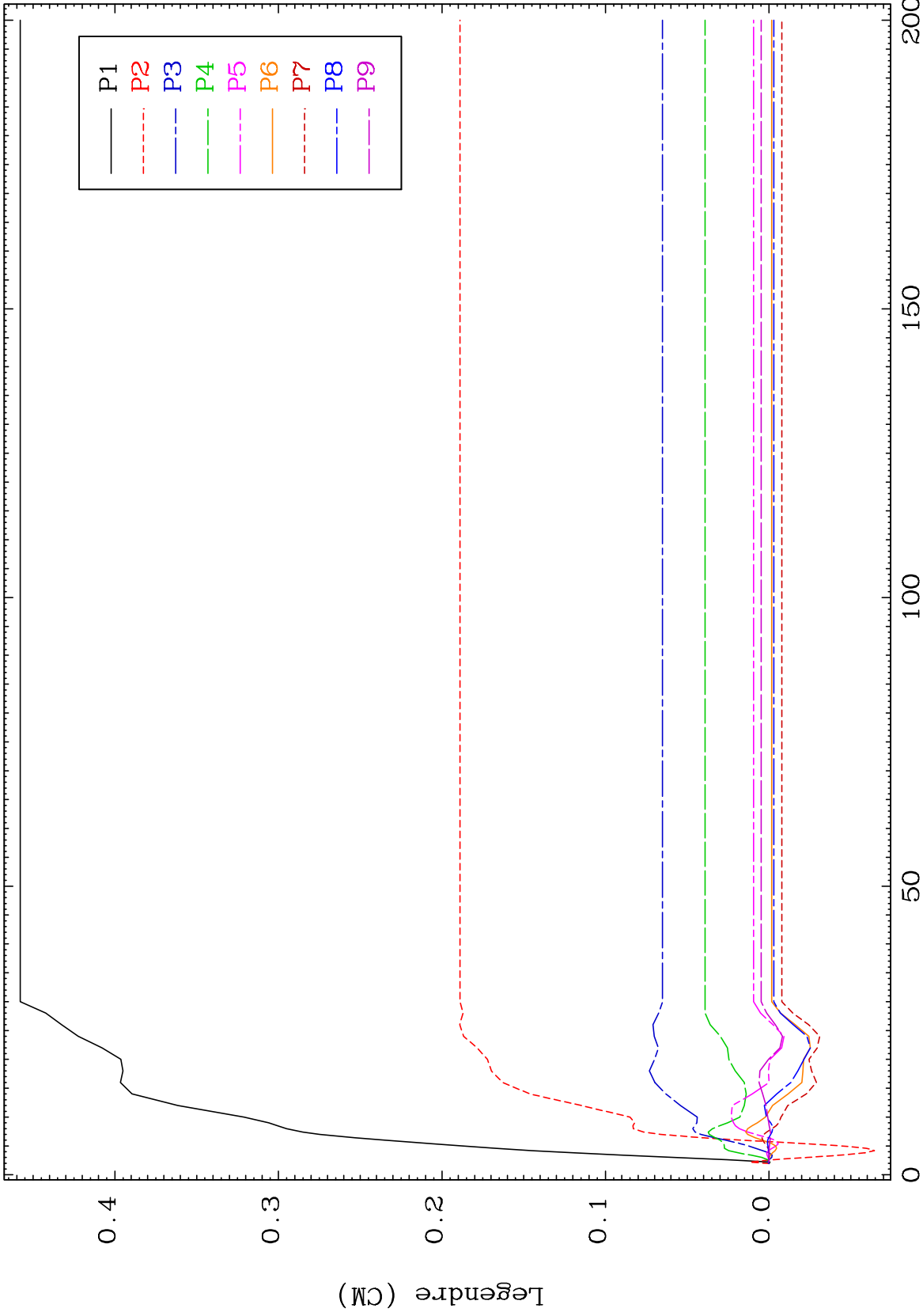
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



136

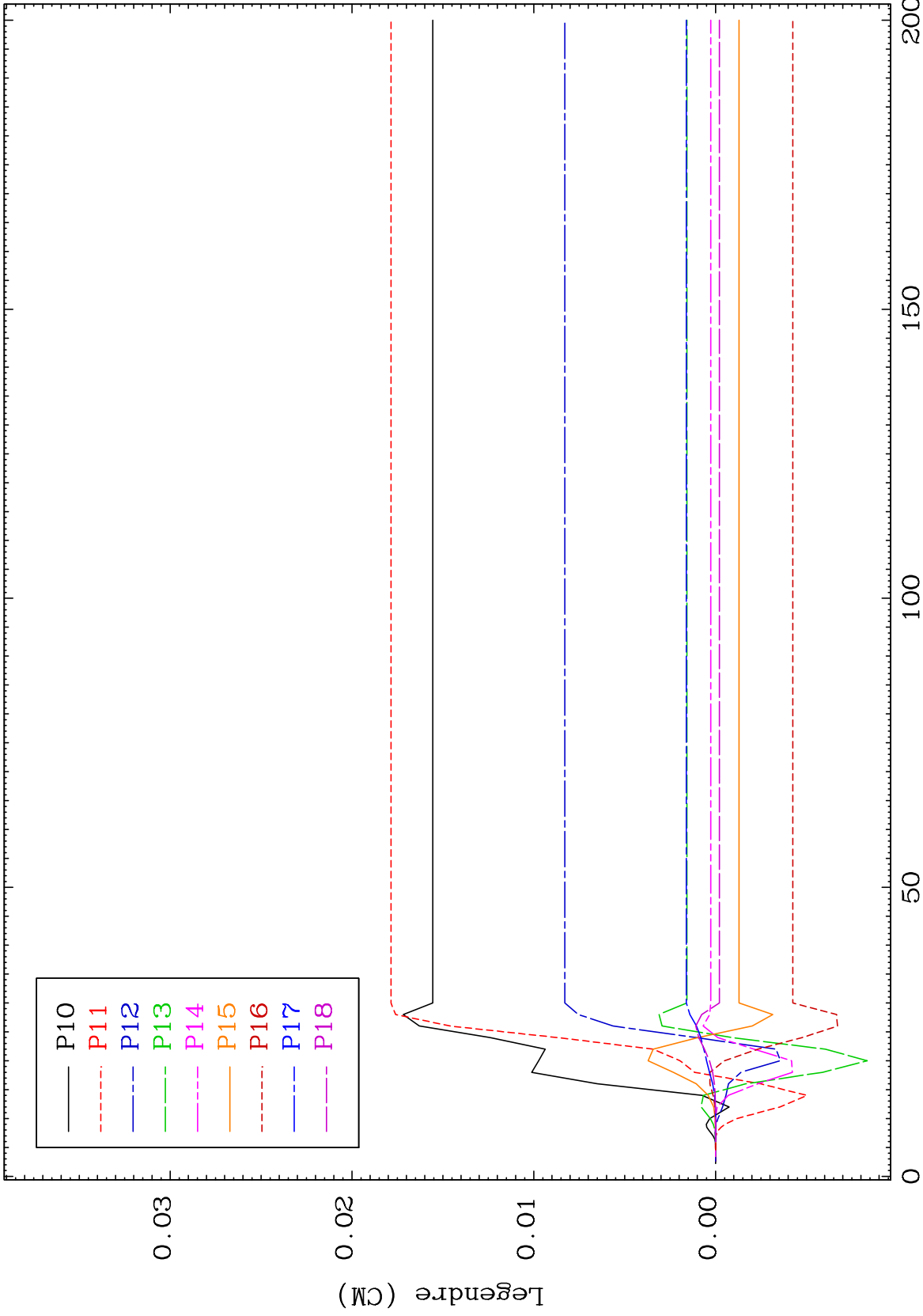
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

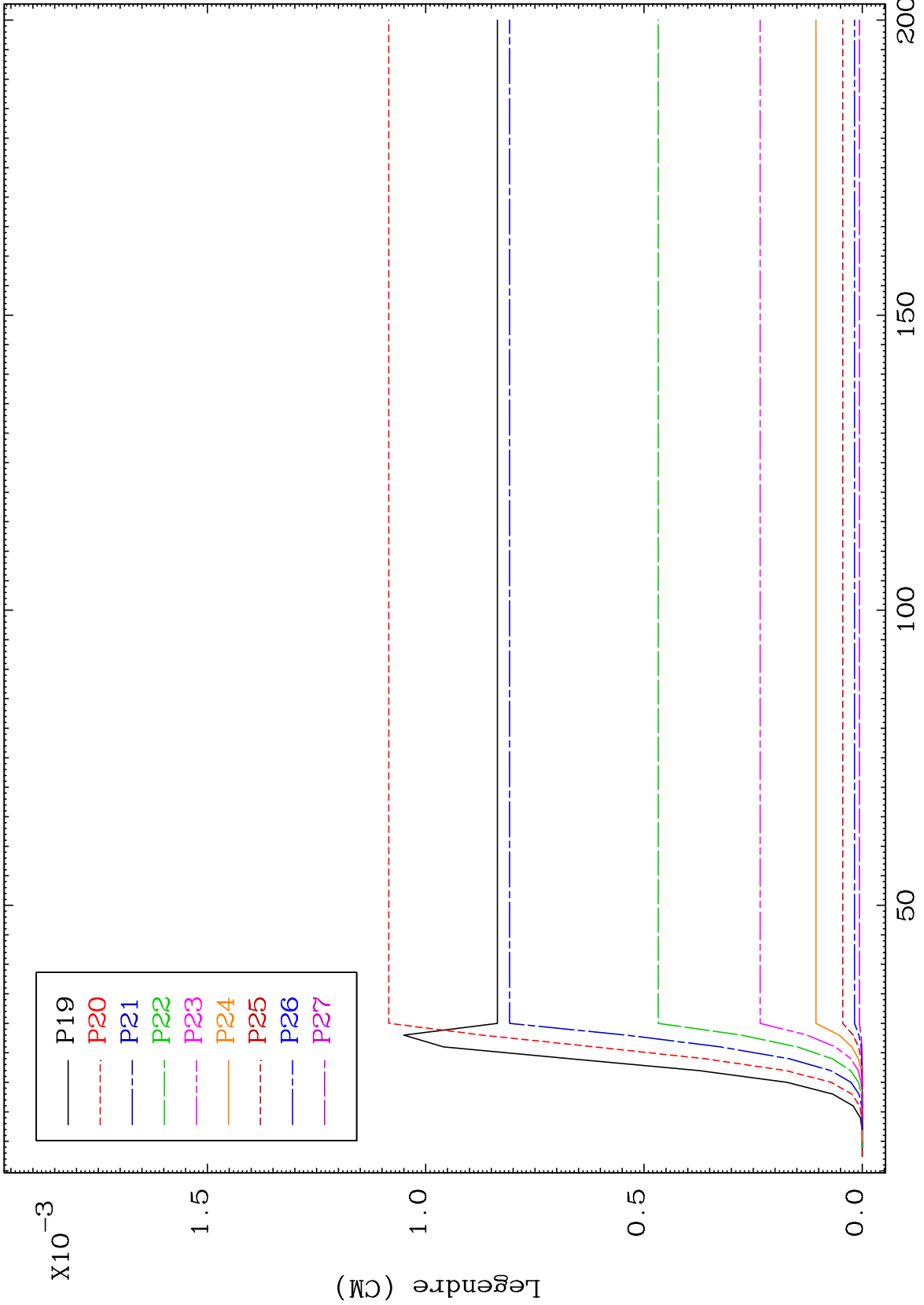
59-Pr-139



137

Incident Energy (MeV)

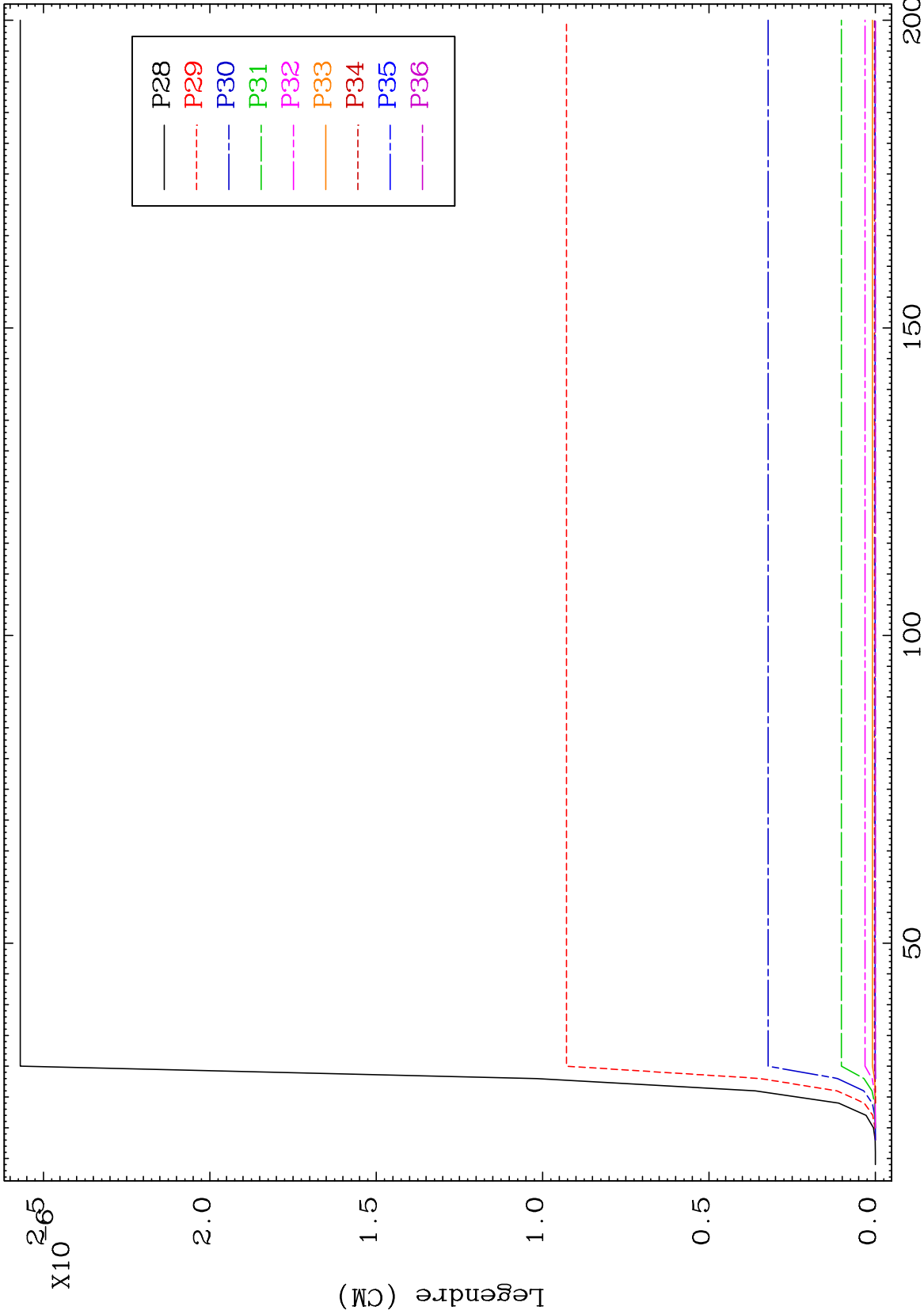
59-Pr-139



MAT 5919

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

59-Pr-139



139

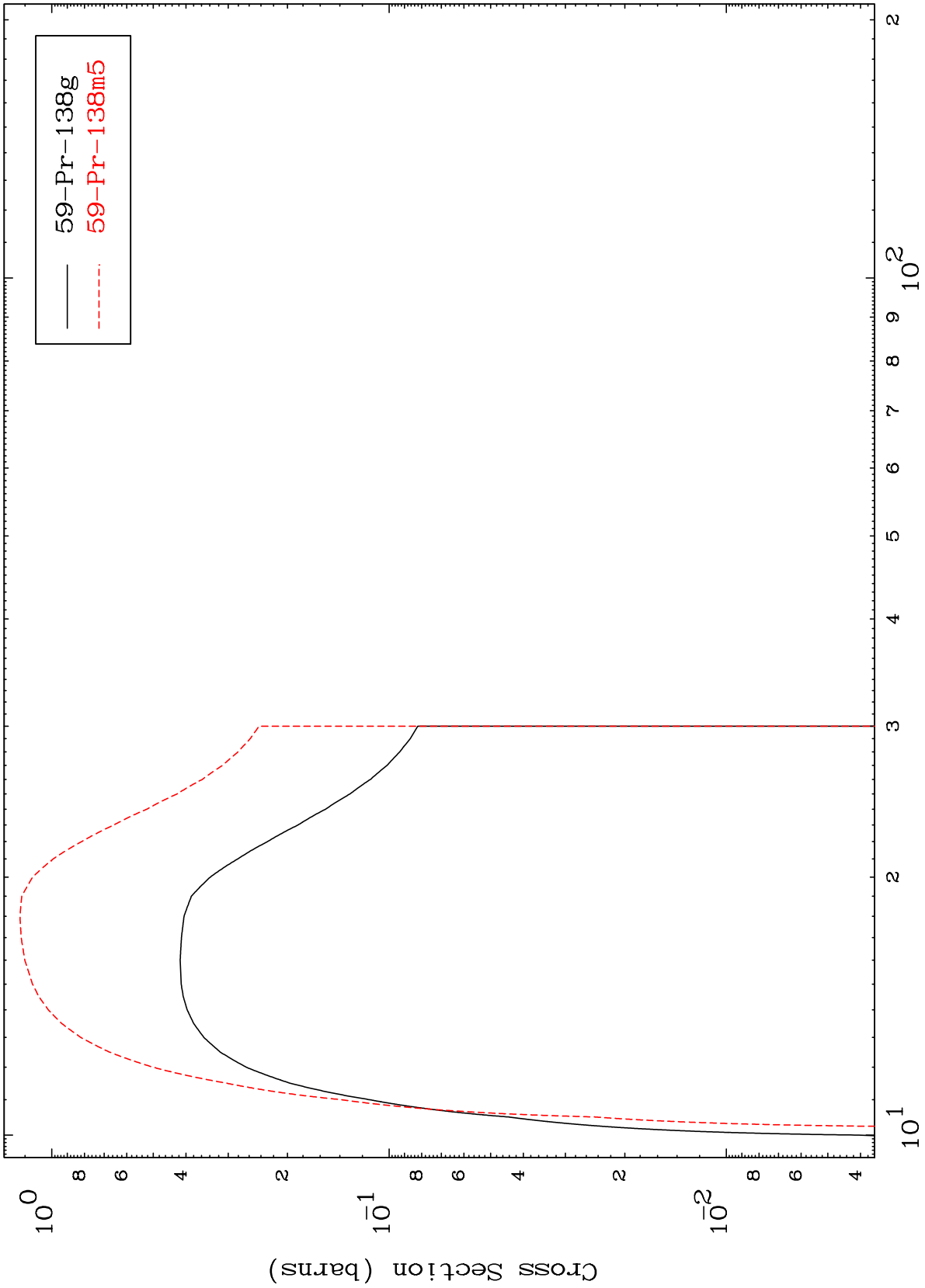
59-Pr-139

MAT 5919

(n,2n)

59-Pr-139

Radionuclide Production Cross Section



59-Pr-138g
59-Pr-138m5

140

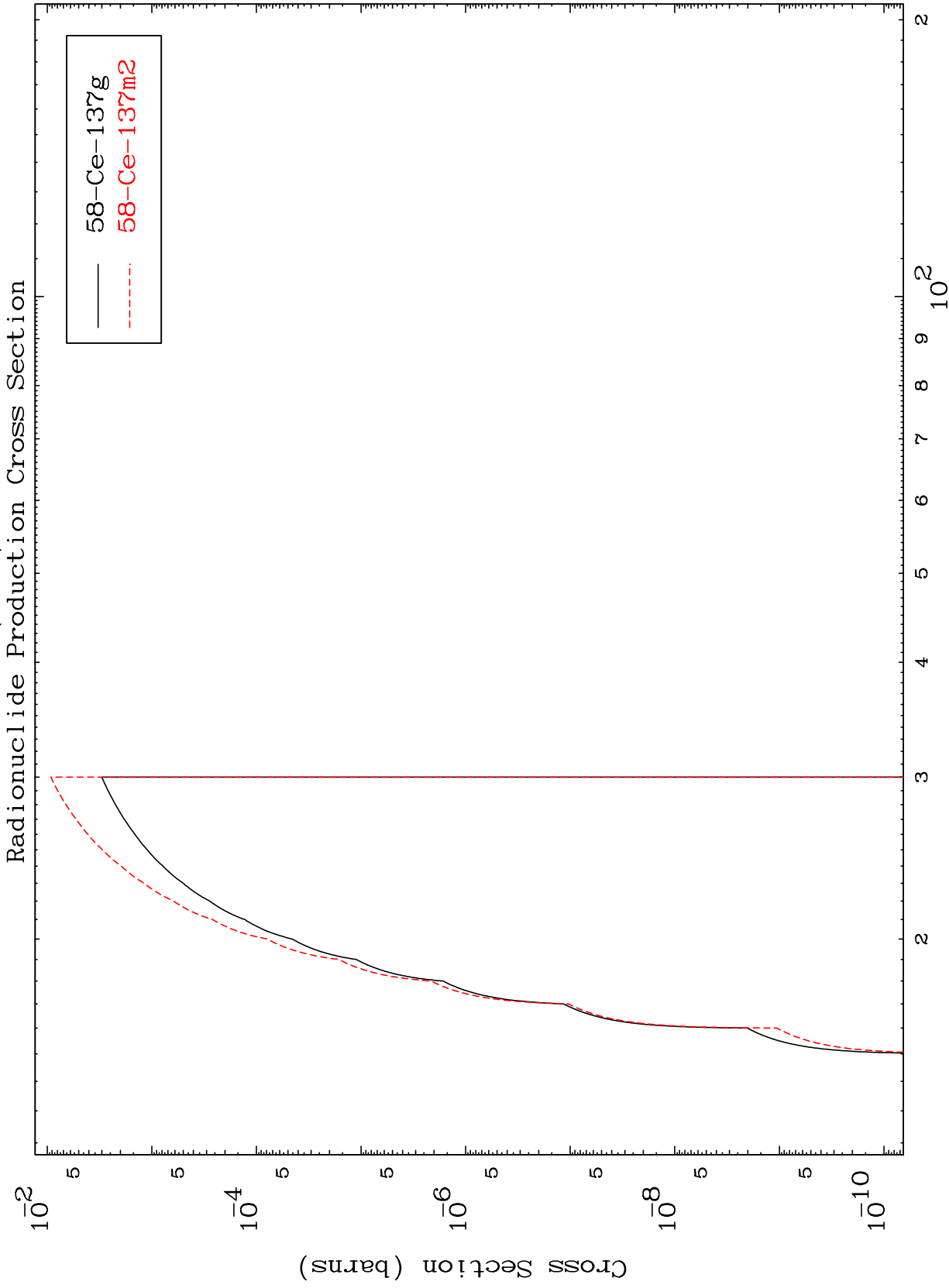
Incident Energy (MeV)

59-Pr-139

MAT 5919

(n,n') d

59-Pr-139



141

Incident Energy (MeV)

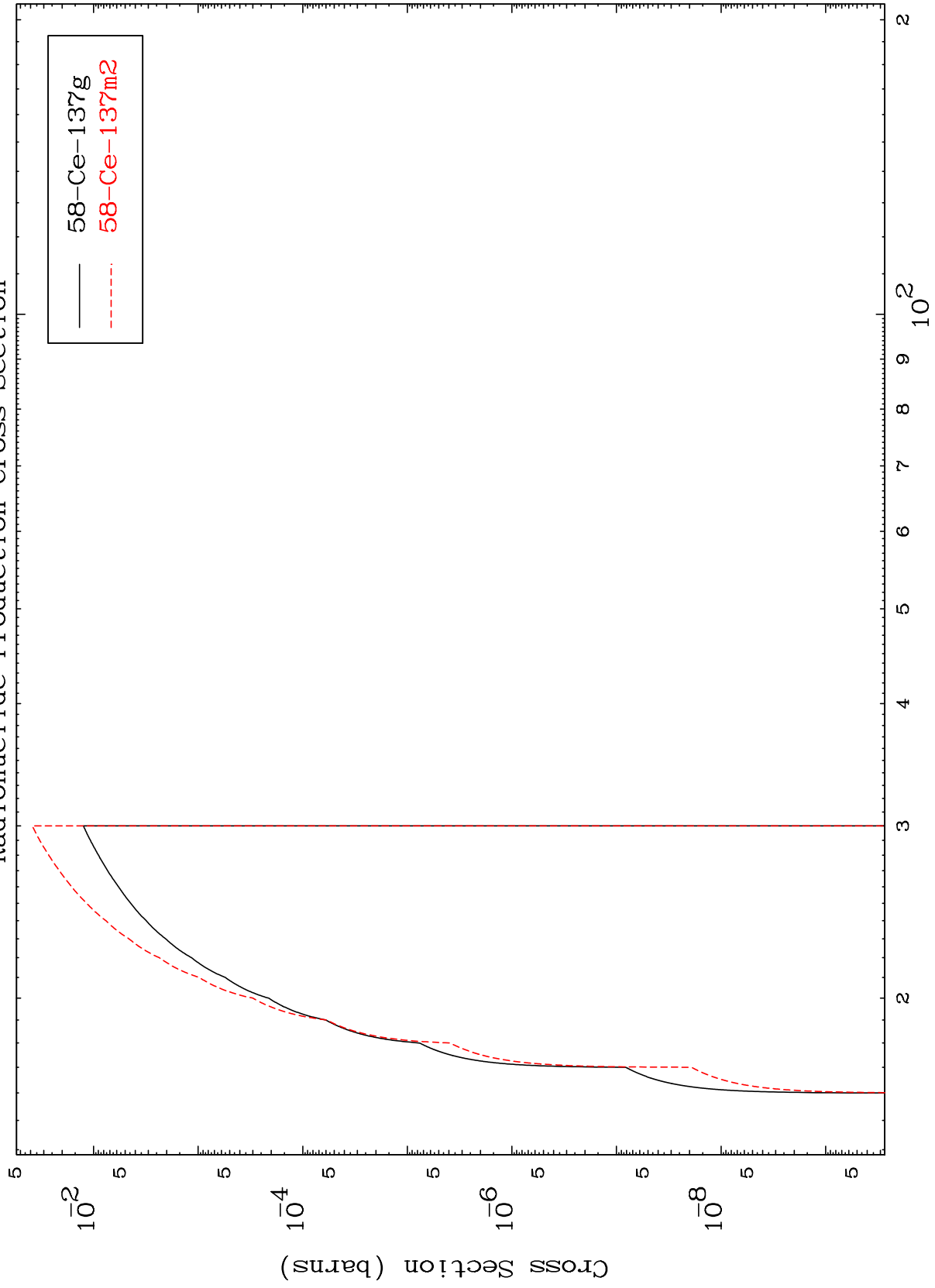
59-Pr-139

MAT 5919

(n,2n) p

59-Pr-139

Radionuclide Production Cross Section



142

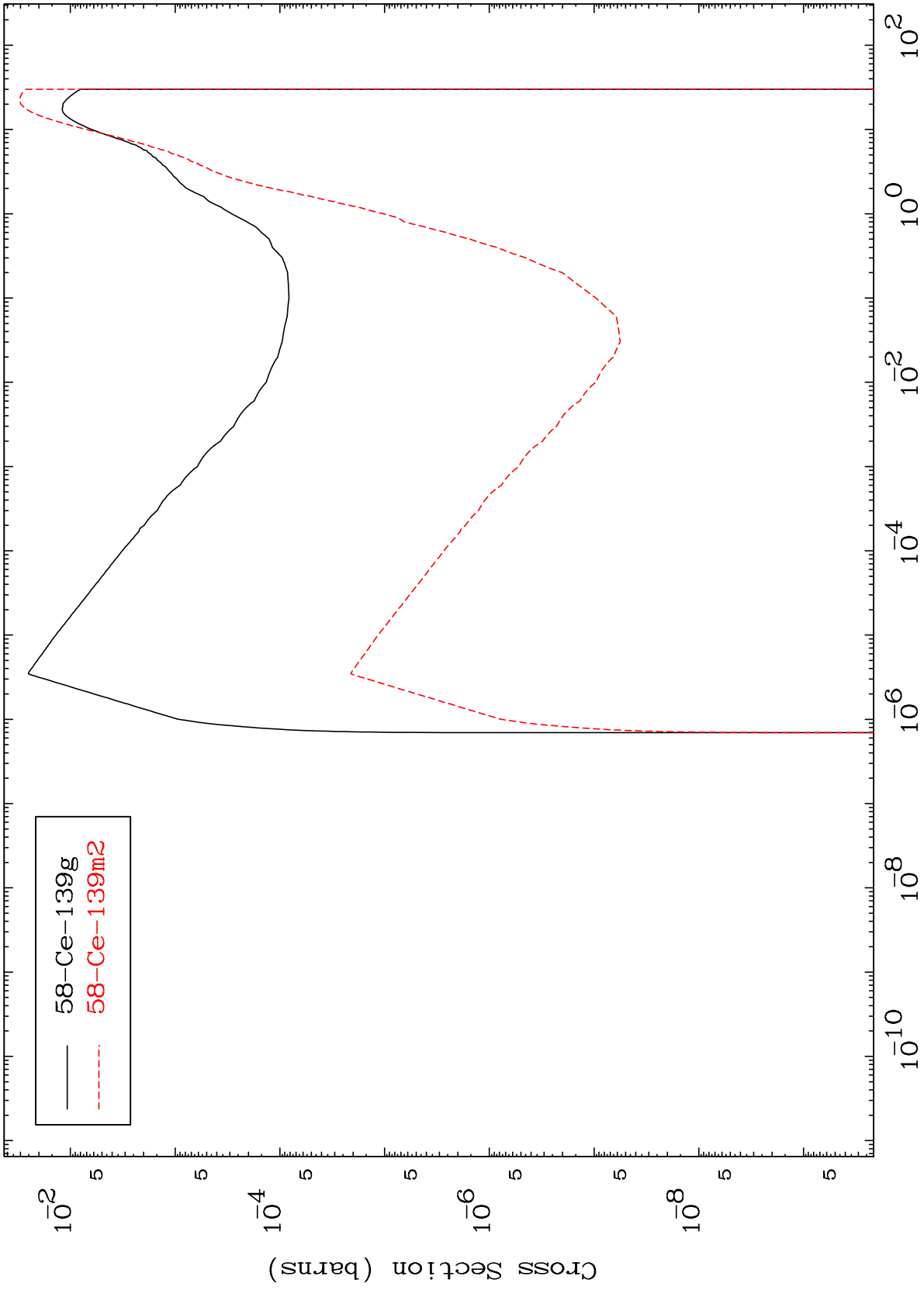
Incident Energy (MeV)

59-Pr-139

MAT 5919

59-Pr-139

(n,p)
Radionuclide Production Cross Section



— 58-Ce-139g
- - - 58-Ce-139m2

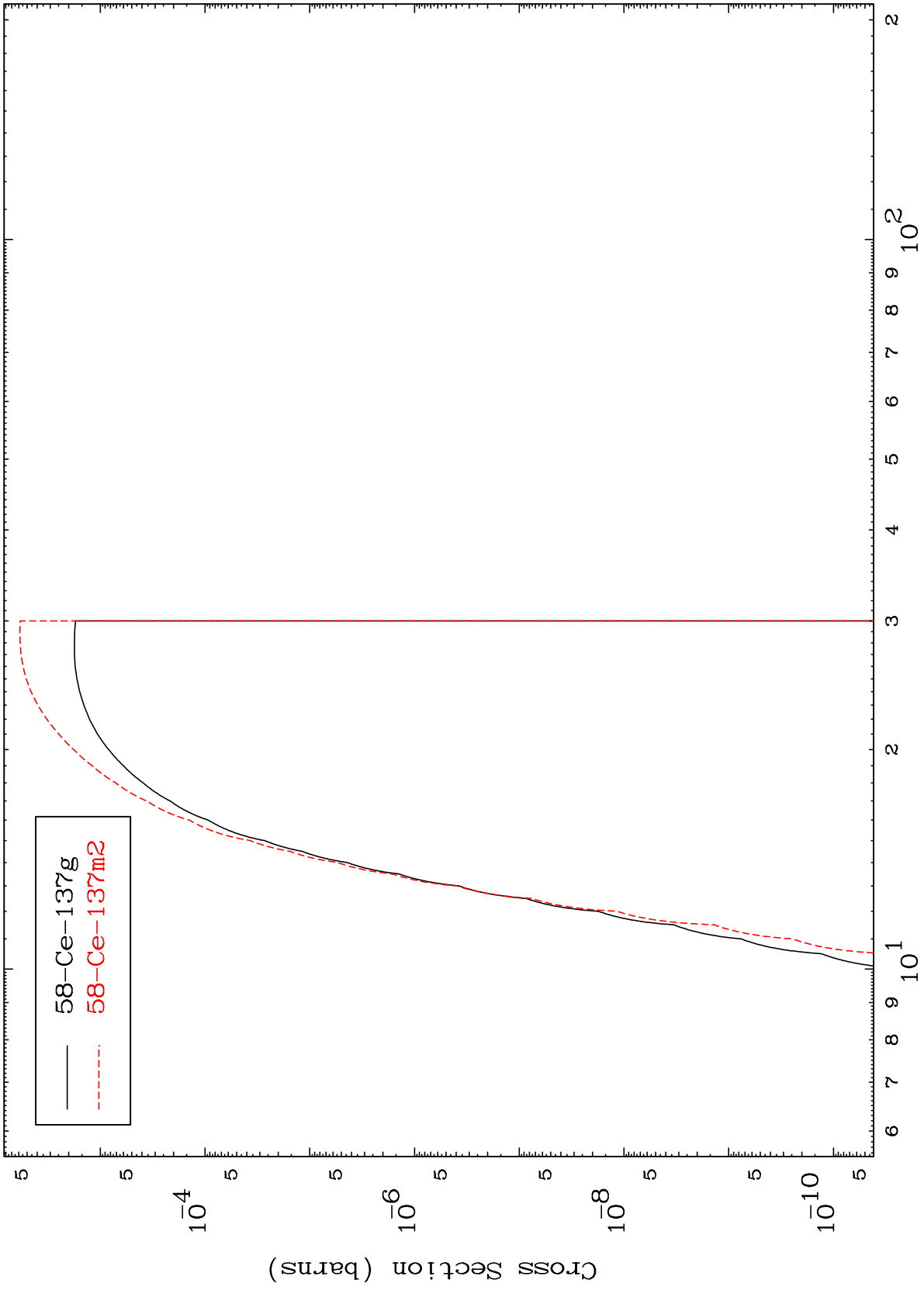
143

59-Pr-139

MAT 5919

59-Pr-139

Radionuclide Production Cross Section (n,t)



144

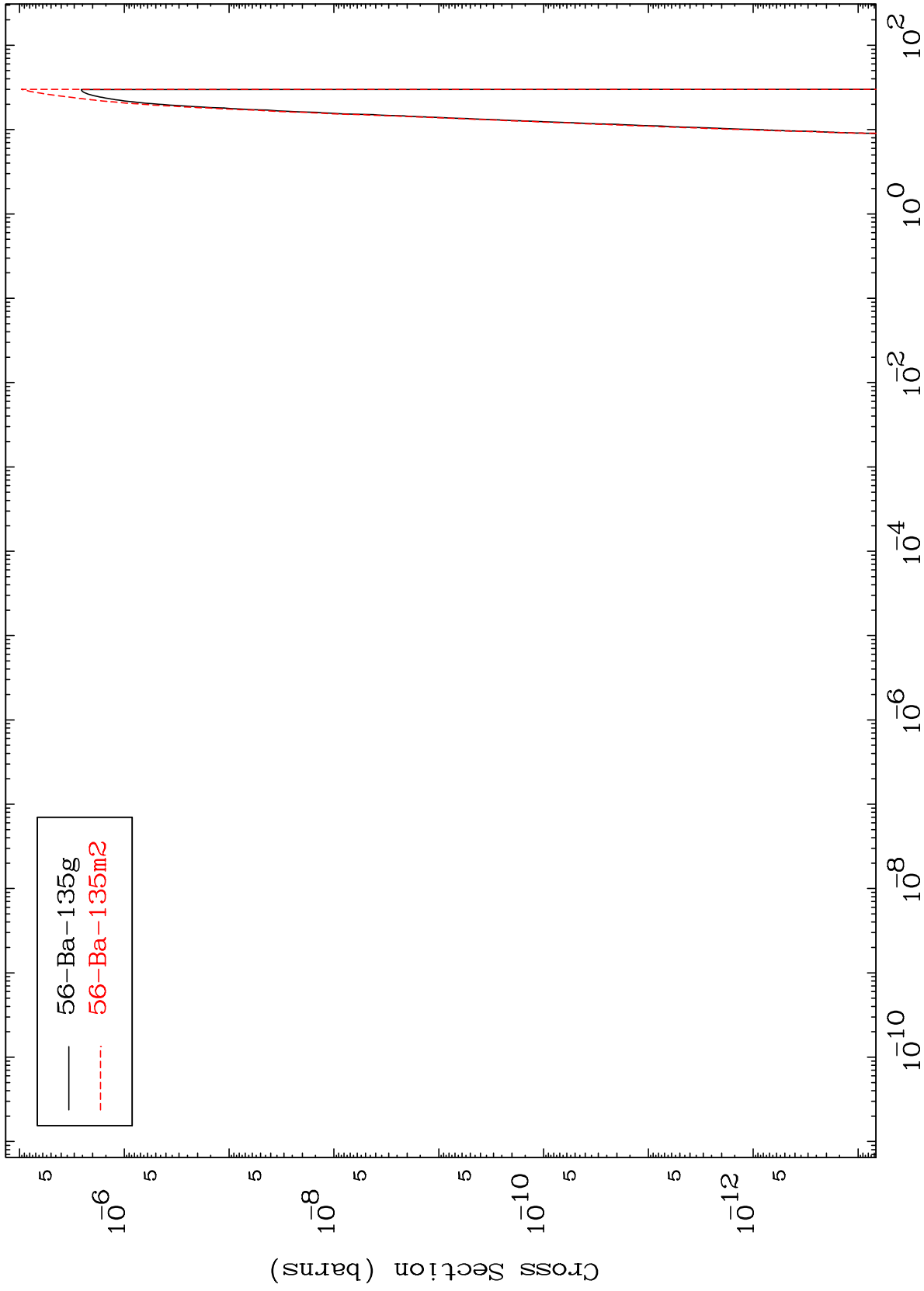
59-Pr-139

MAT 5919

(n,p) α

59-Pr-139

Radionuclide Production Cross Section



145

Incident Energy (MeV)

59-Pr-139