

Program EVALPLOT
(Version 2018-1)

by

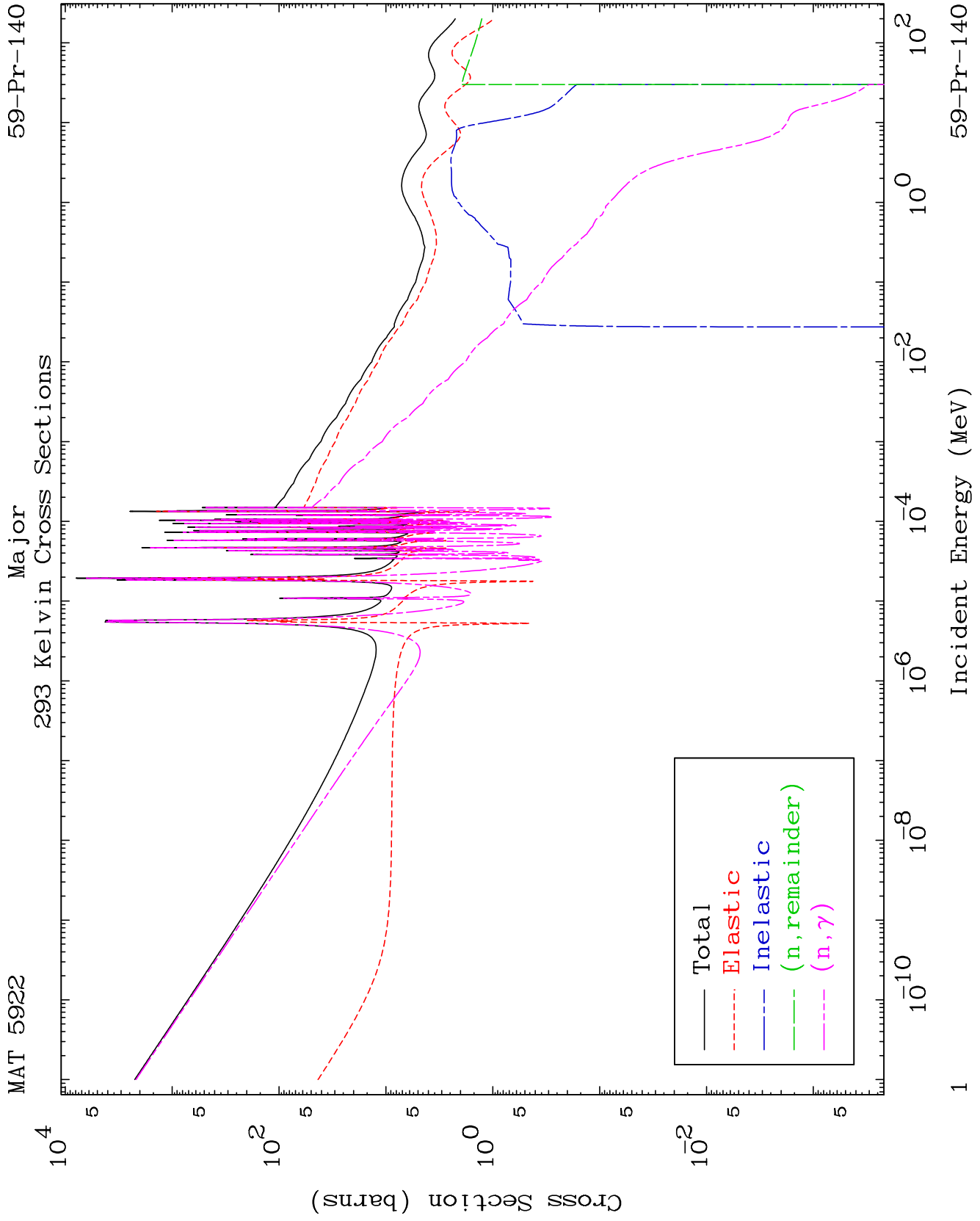
Dermott E. Cullen
(Present Contact Information)

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Livermore, CA 94550
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E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

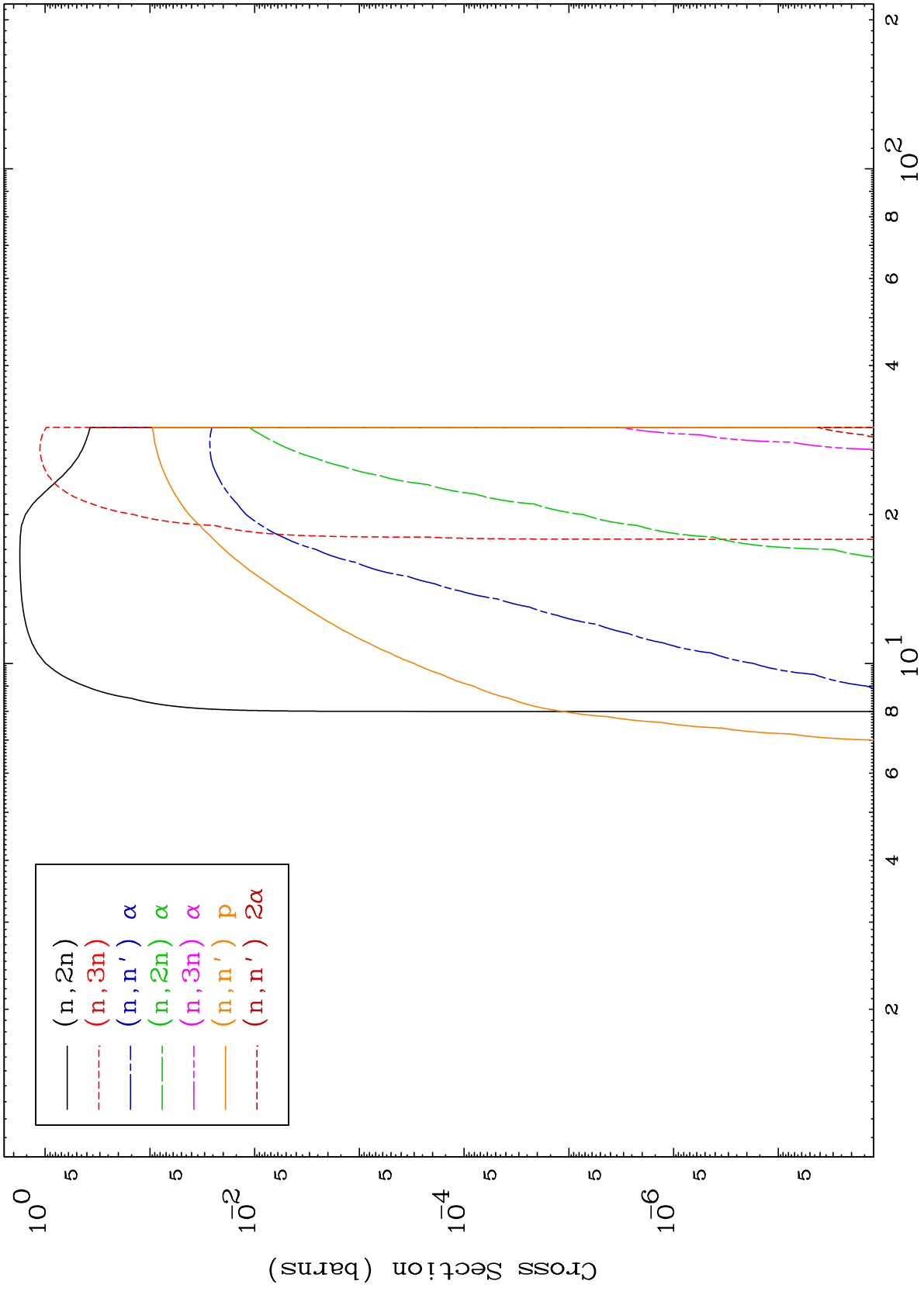
Press Mouse Button to Start



MAT 5922

Neutron Production
293 Kelvin Cross Sections

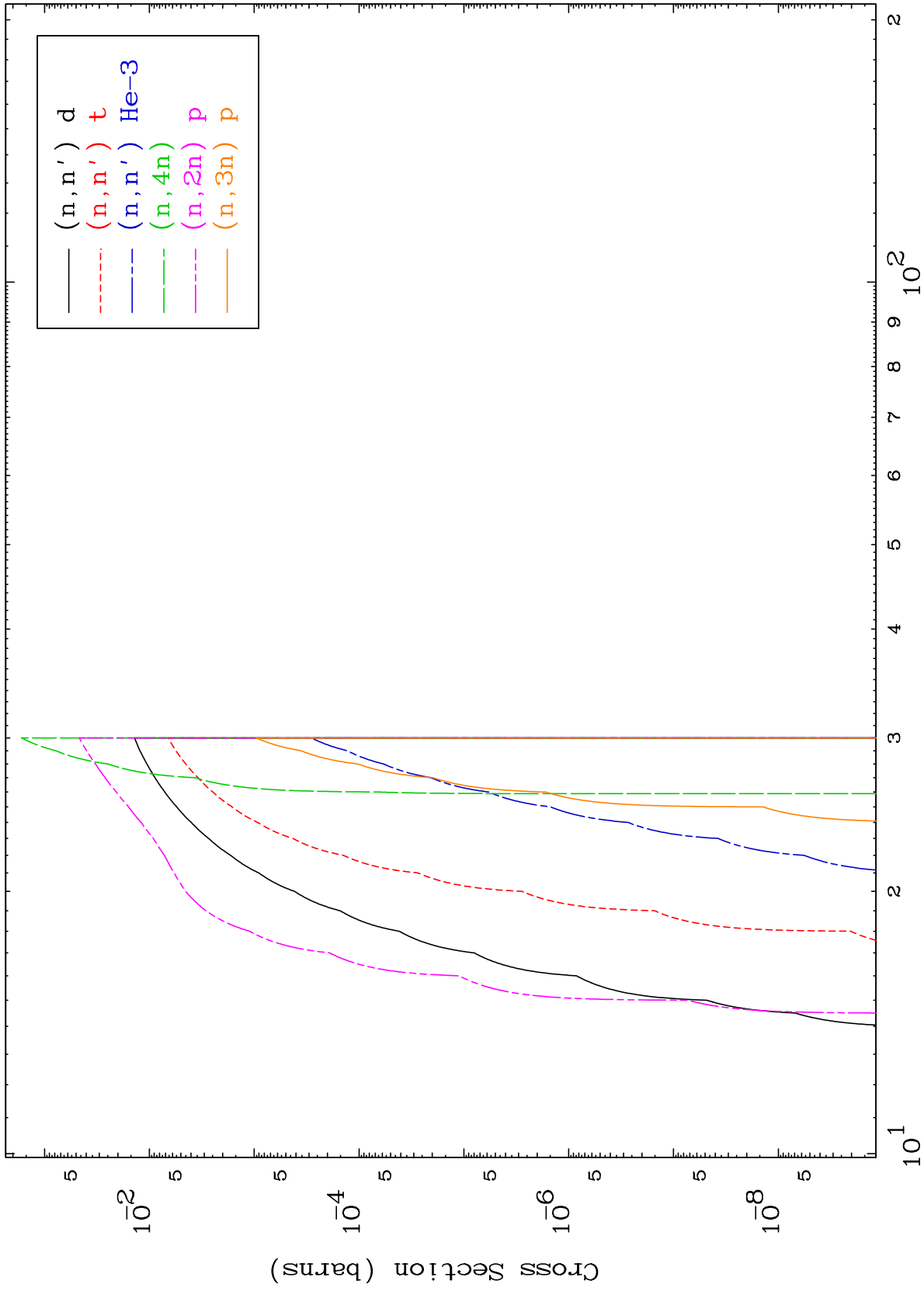
59-Pr-140

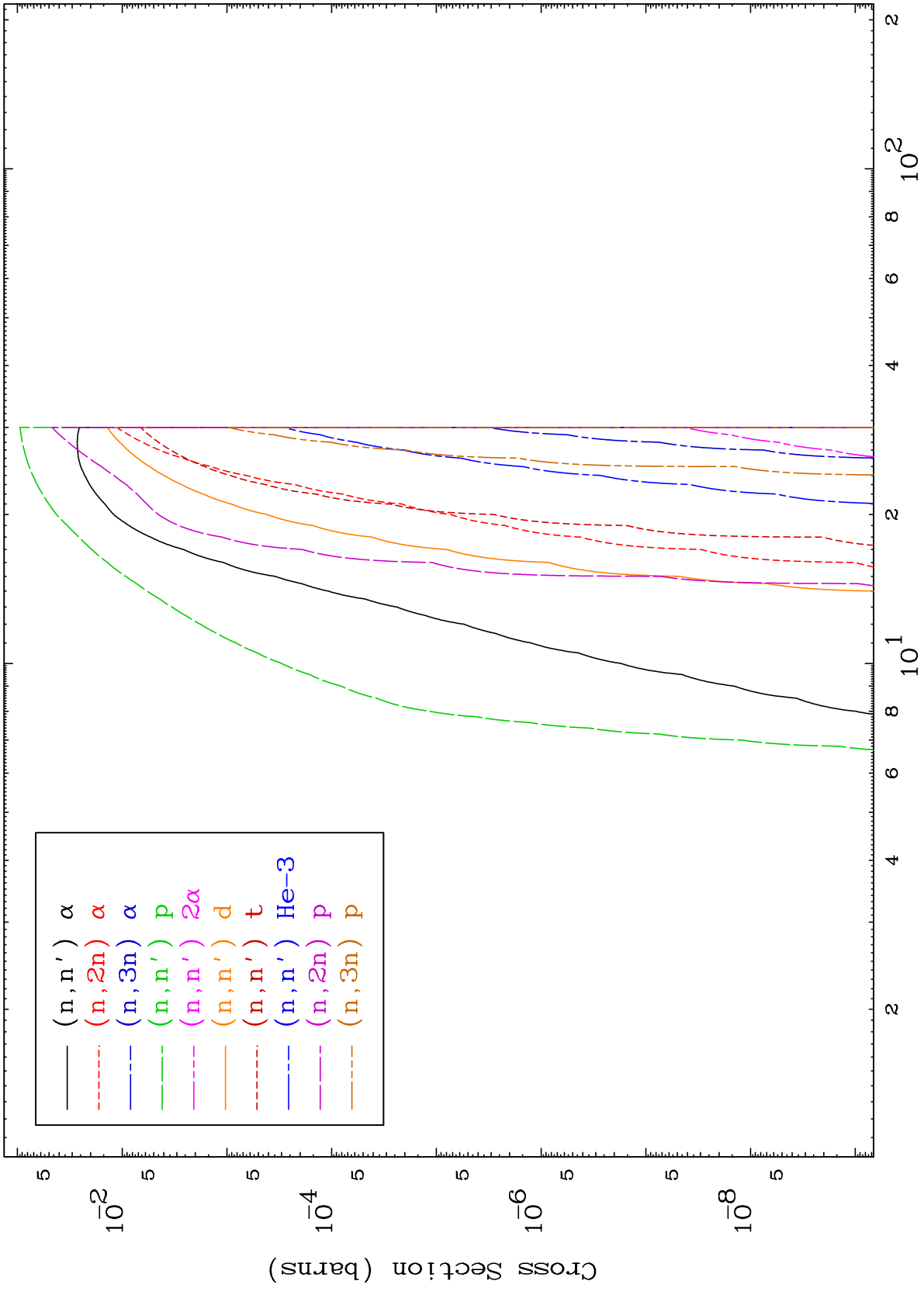


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Incident Energy (MeV)

59-Pr-140

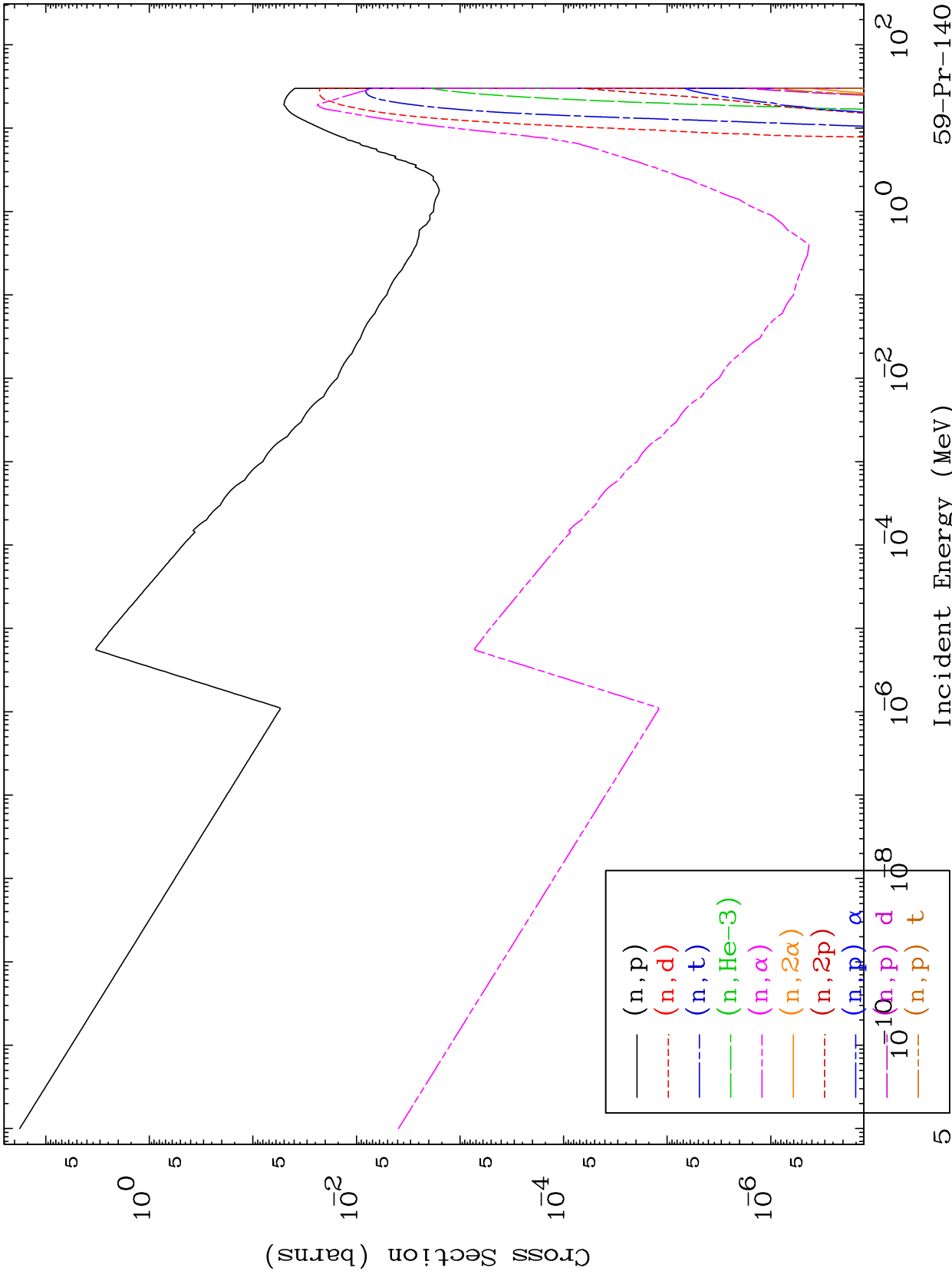


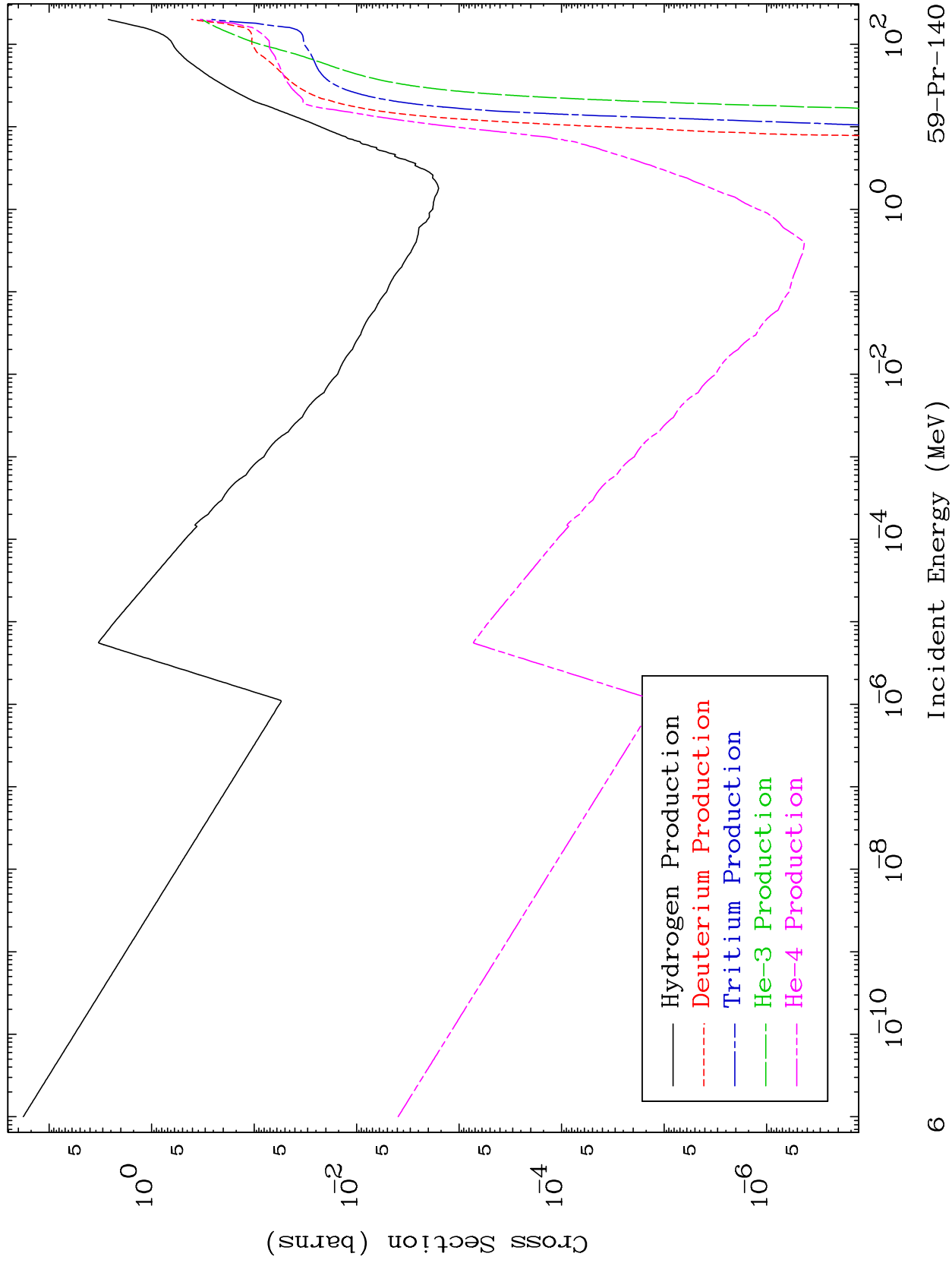


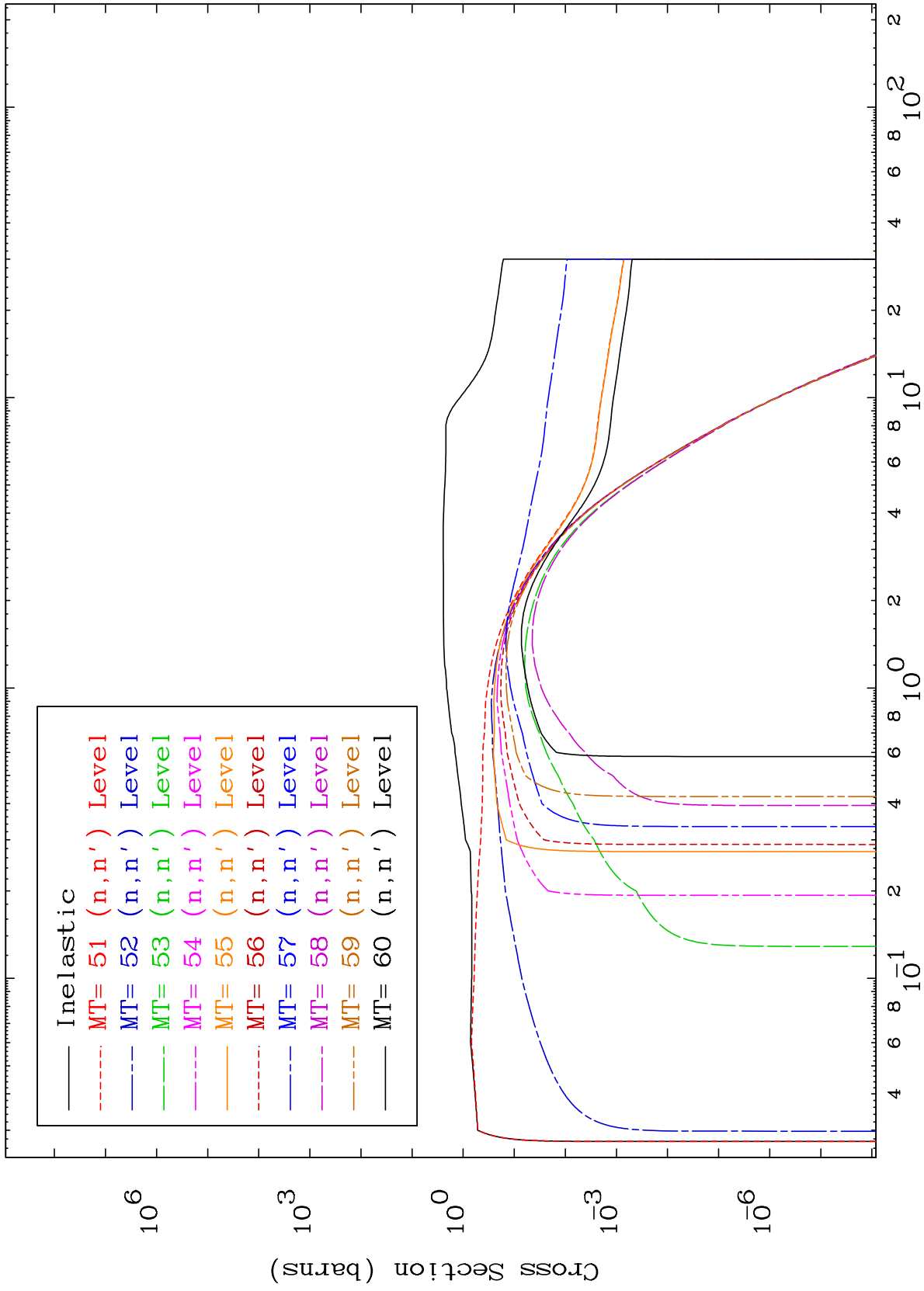
MAT 5922

Charged Particle
293 Kelvin Cross Sections

59-Pr-140





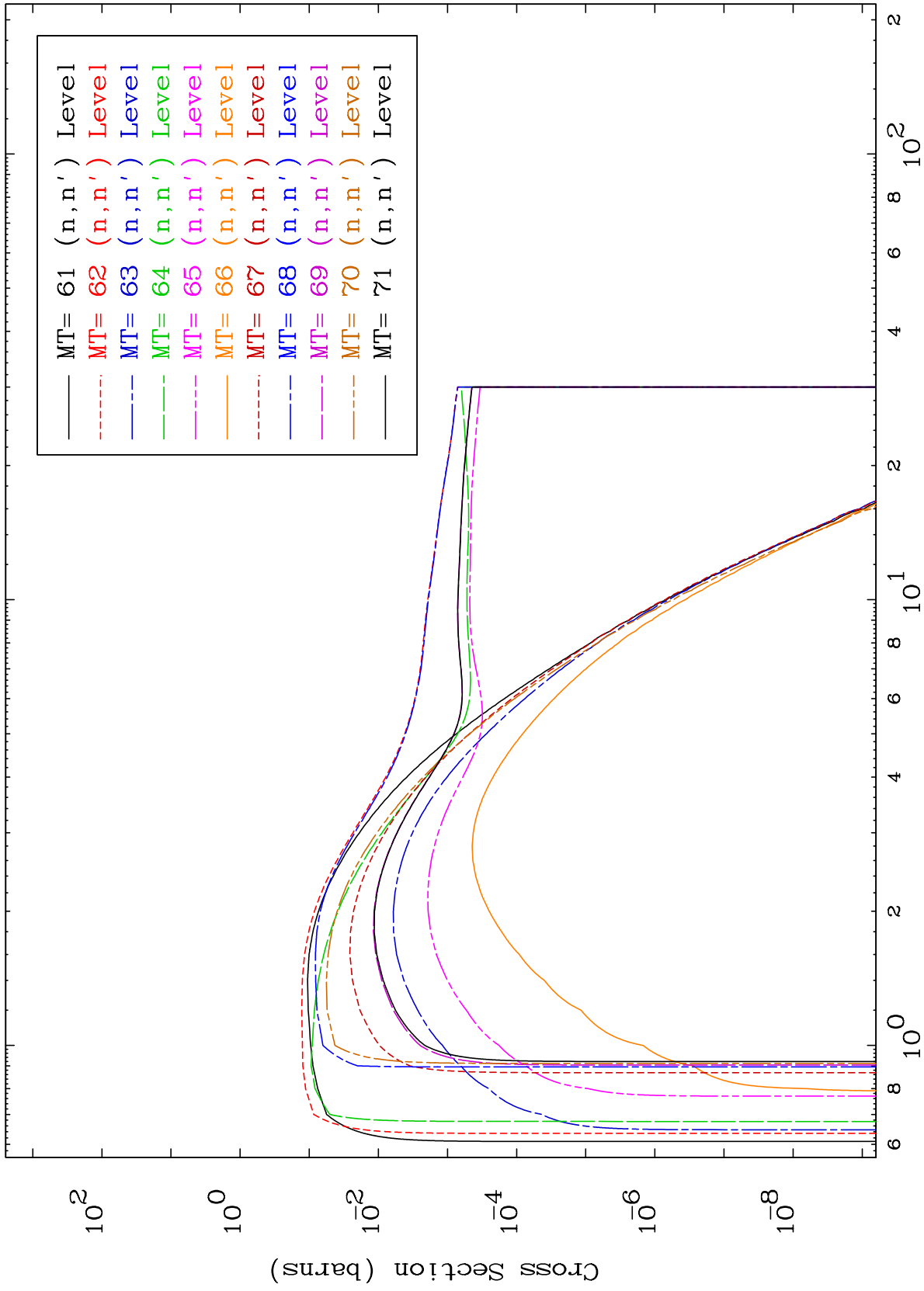


MAT 5922

(n,n') Level

59-Pr-140

293 Kelvin Cross Sections



8

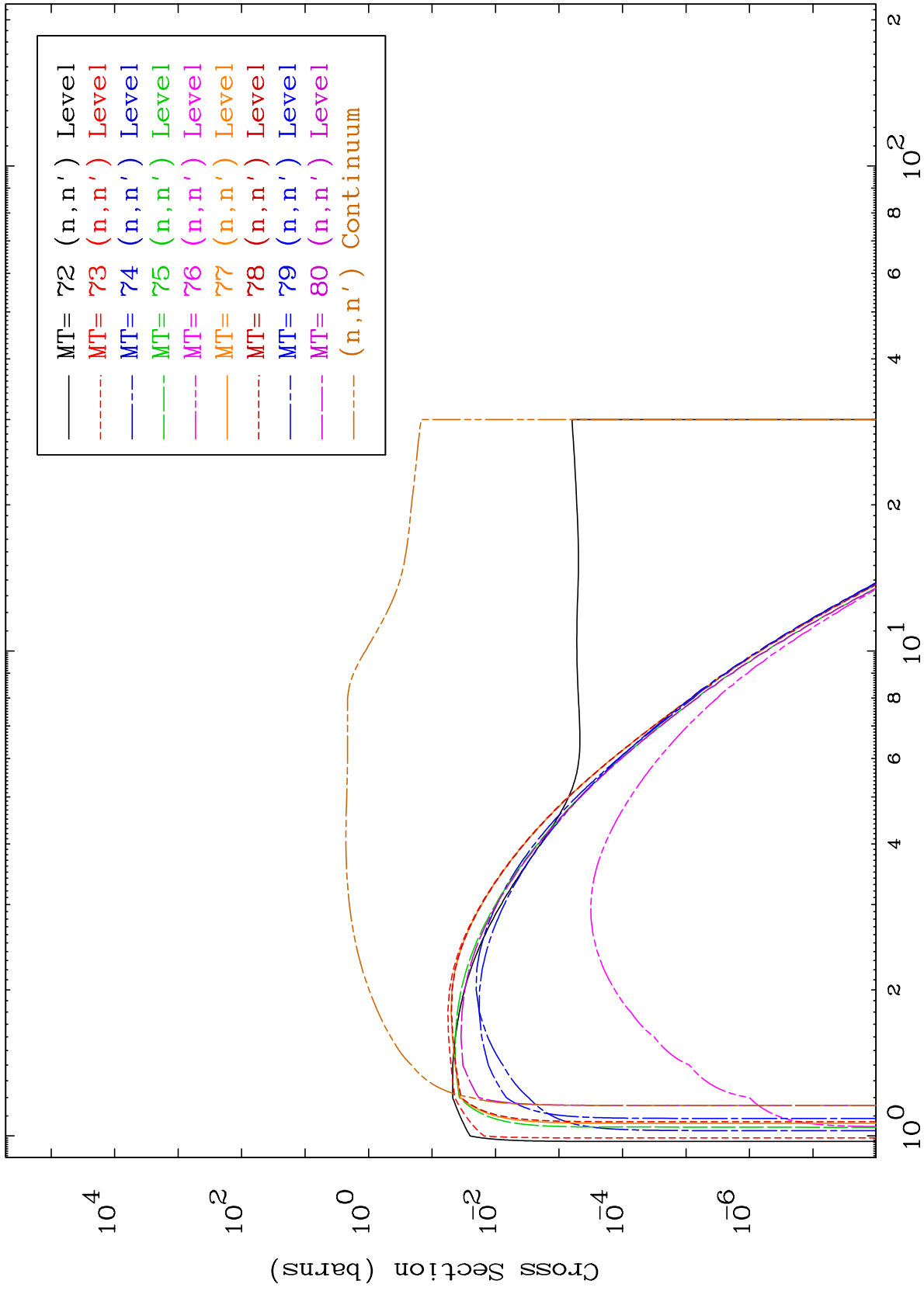
Incident Energy (MeV)

59-Pr-140

MAT 5922

(n,n') Level
293 Kelvin Cross Sections

59-Pr-140



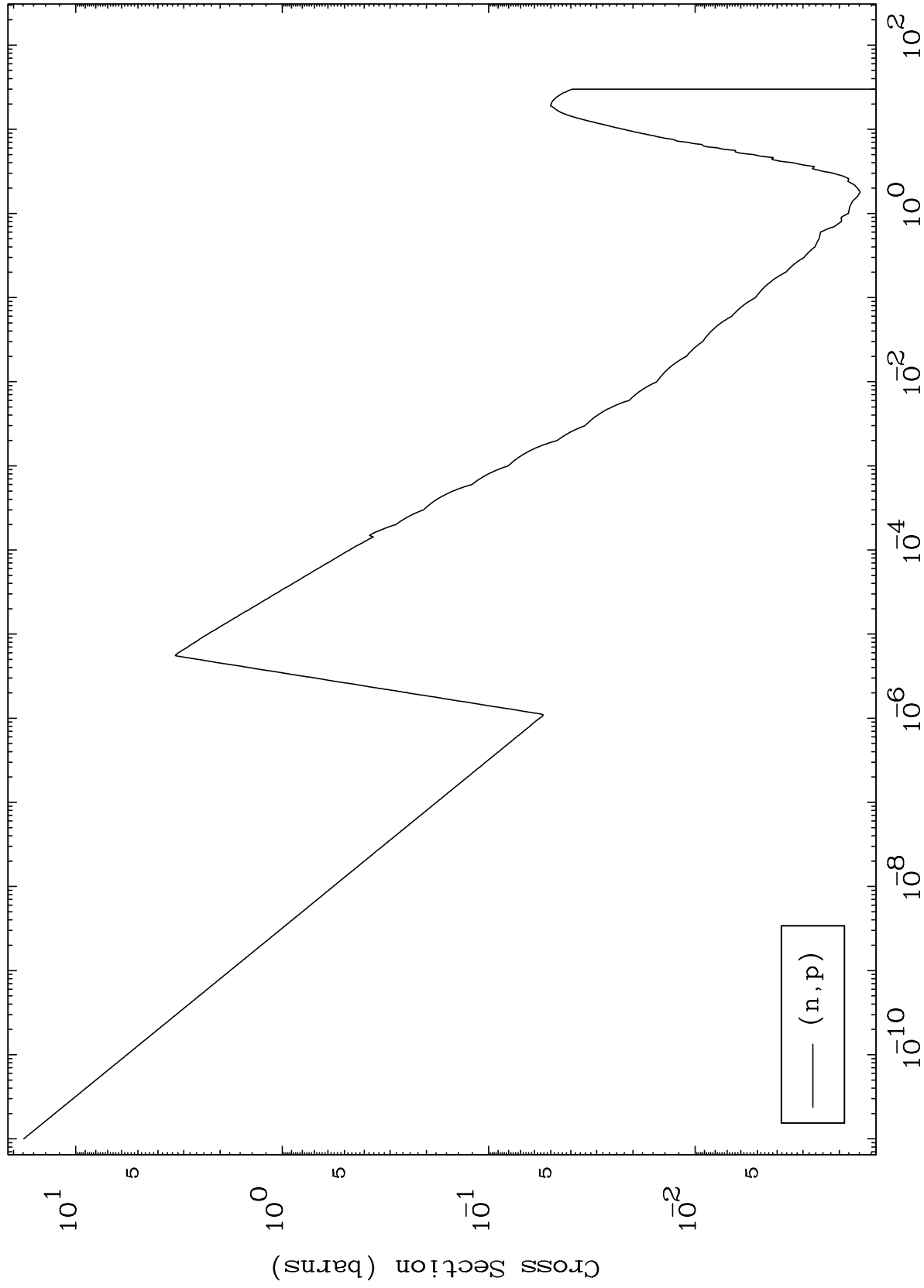
Incident Energy (MeV)

59-Pr-140

MAT 5922

(n,p) Levels
293 Kelvin Cross Sections

59-Pr-140



— (n, p)

10

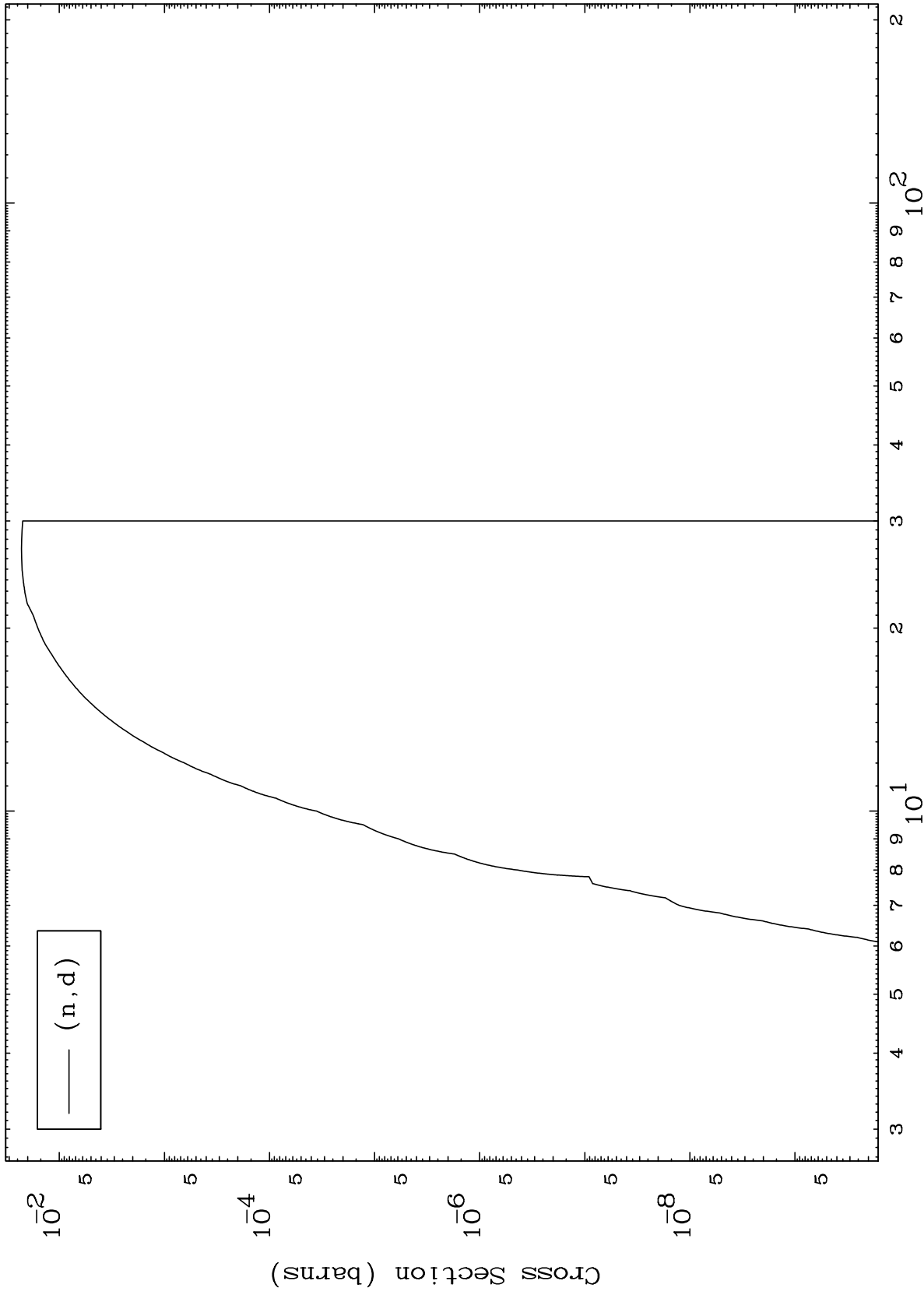
Incident Energy (MeV)

59-Pr-140

MAT 5922

(n,d) Levels
293 Kelvin Cross Sections

59-Pr-140



11

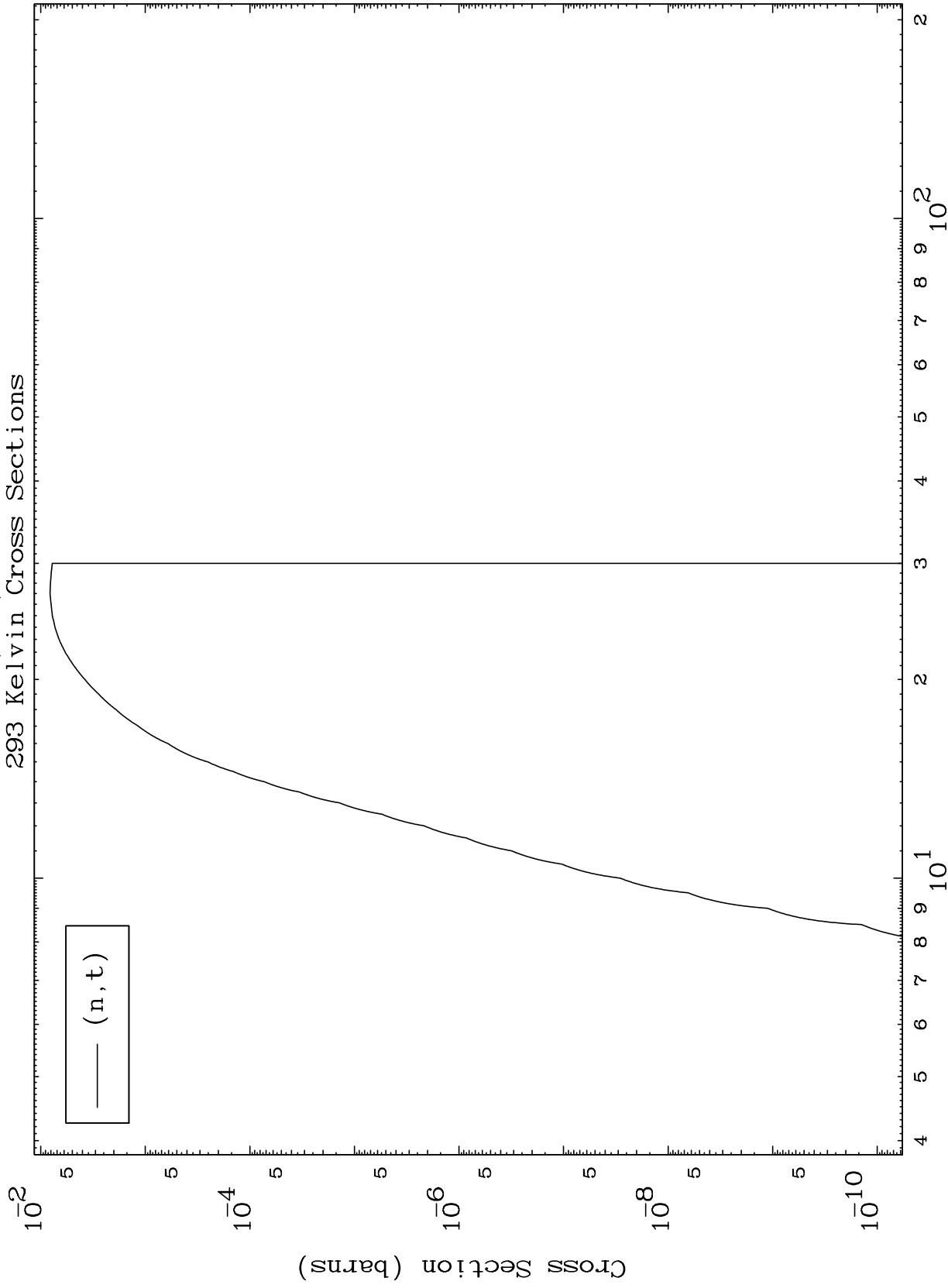
Incident Energy (MeV)

59-Pr-140

MAT 5922

(n,t) Levels
293 Kelvin Cross Sections

59-Pr-140



12

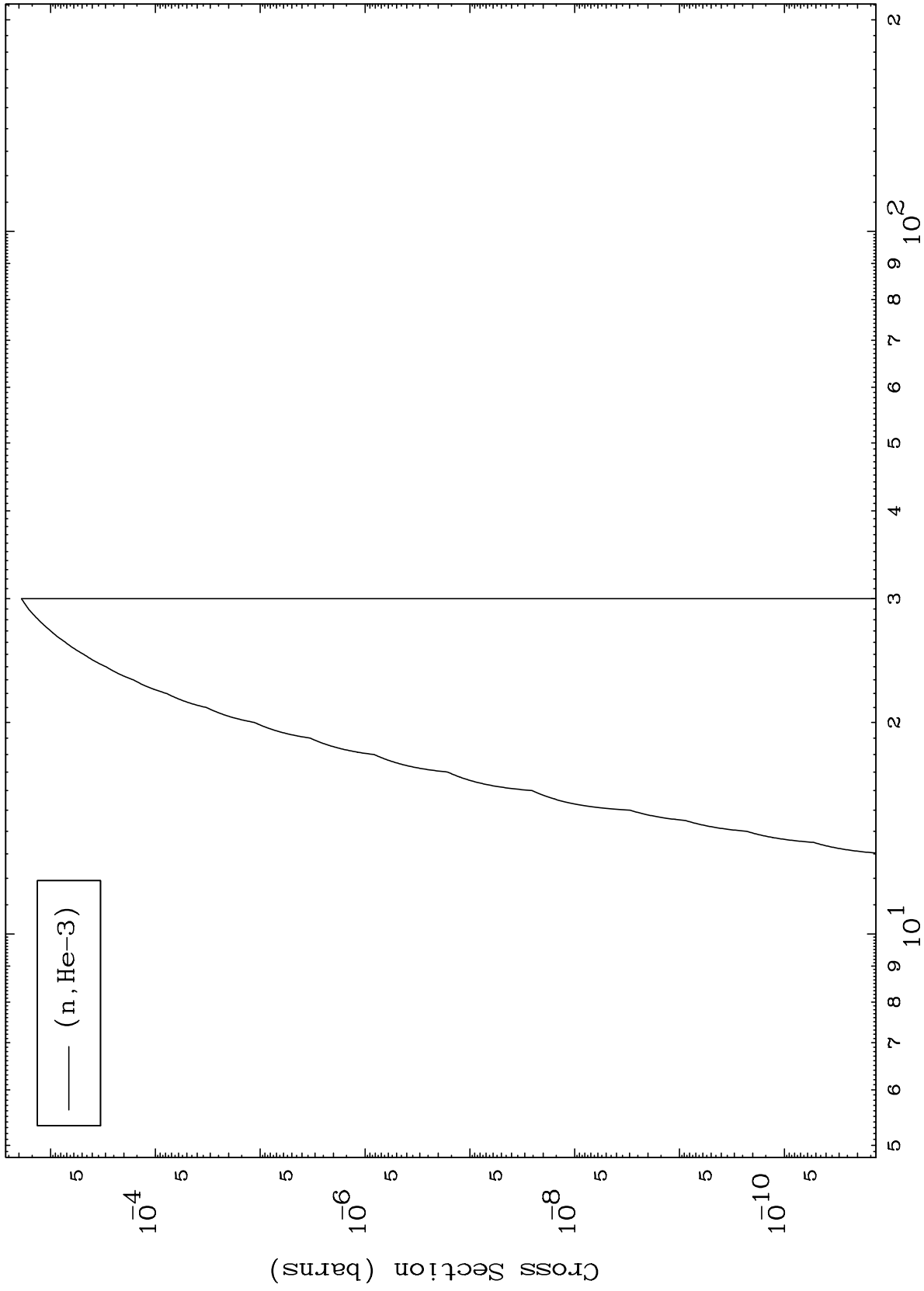
Incident Energy (MeV)

59-Pr-140

MAT 5922

(n,He3) Levels
293 Kelvin Cross Sections

59-Pr-140



13

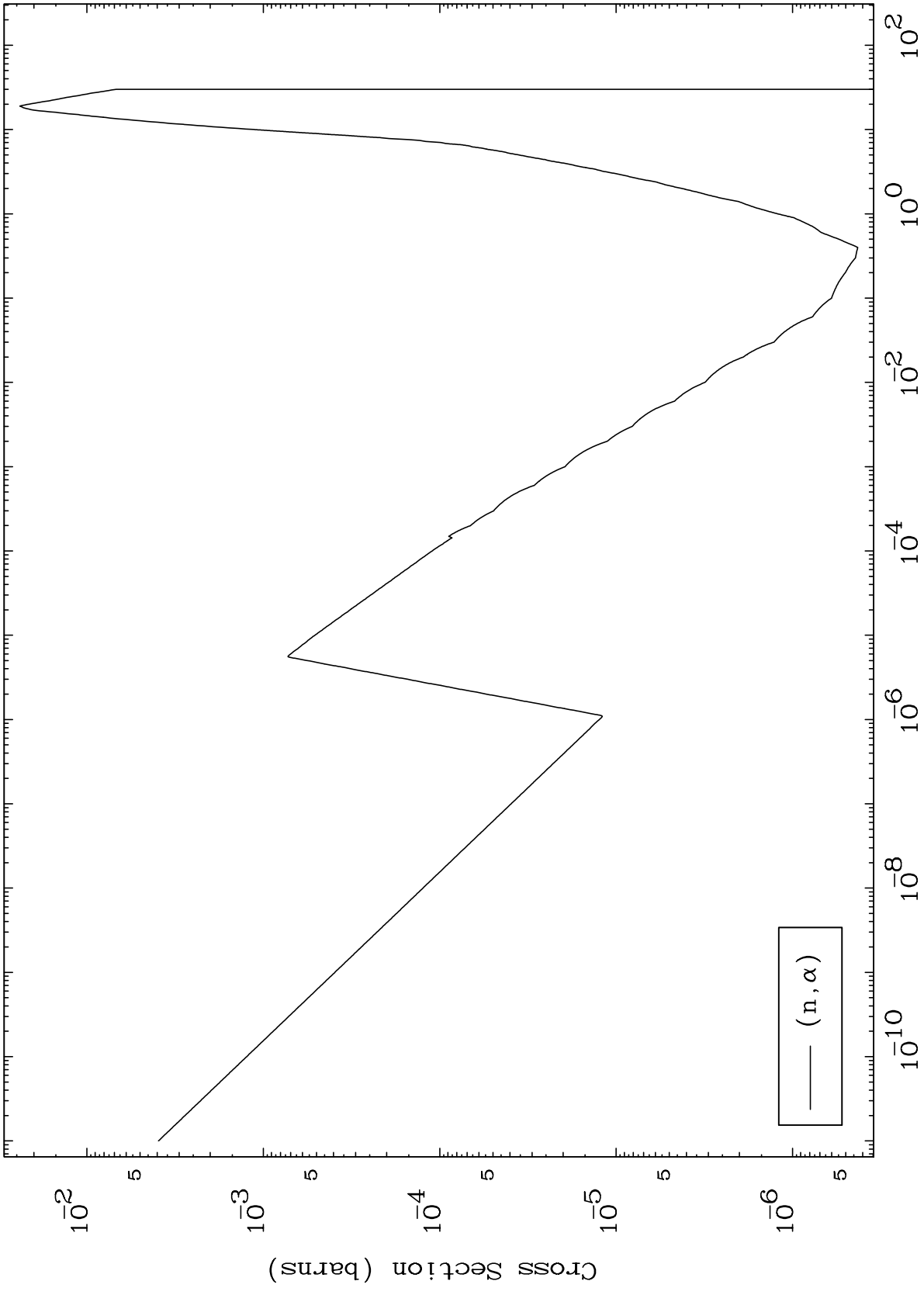
Incident Energy (MeV)

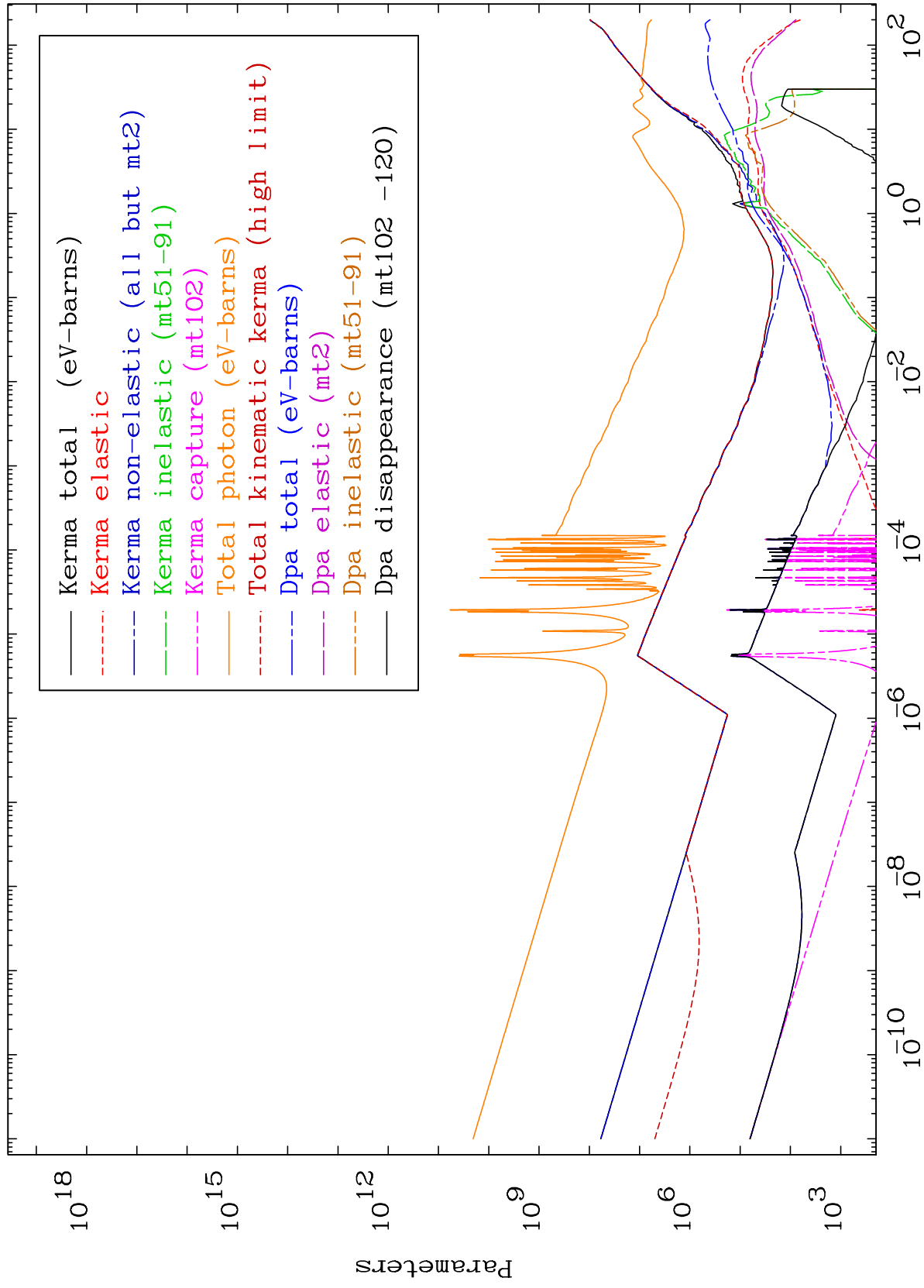
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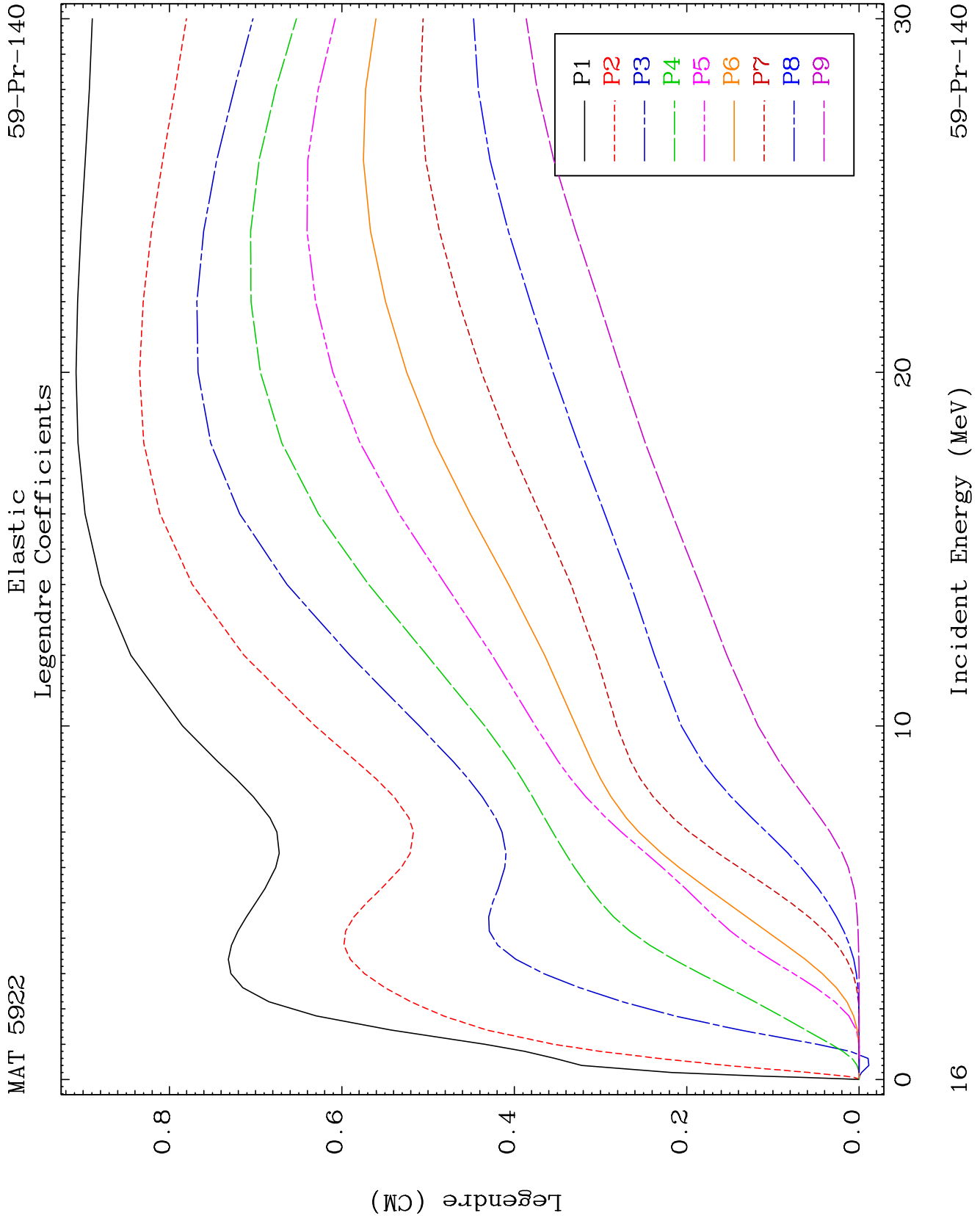
MAT 5922

(n,α) Levels
293 Kelvin Cross Sections

59-Pr-140



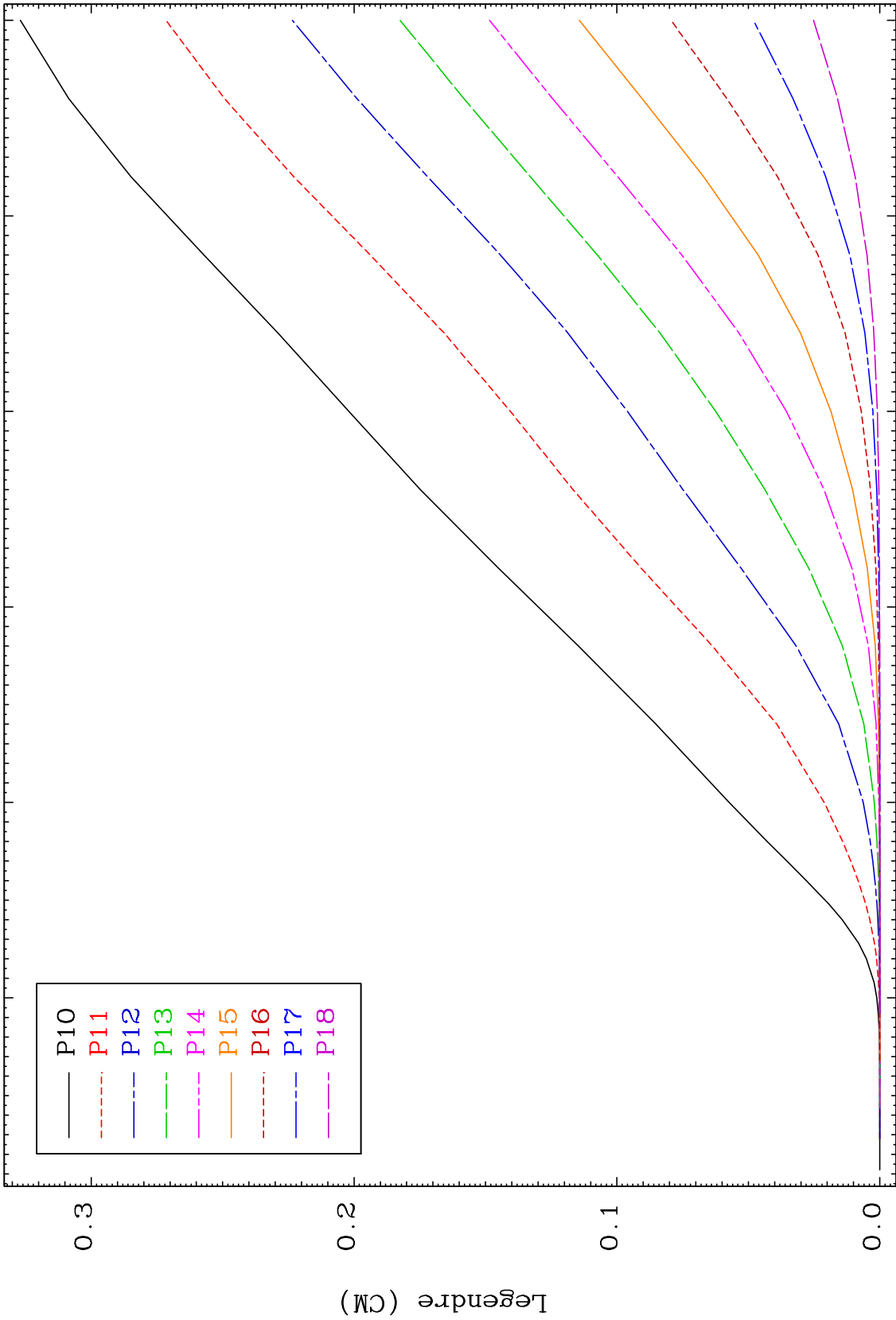




MAT 5922

Elastic Legendre Coefficients

59-Pr-140



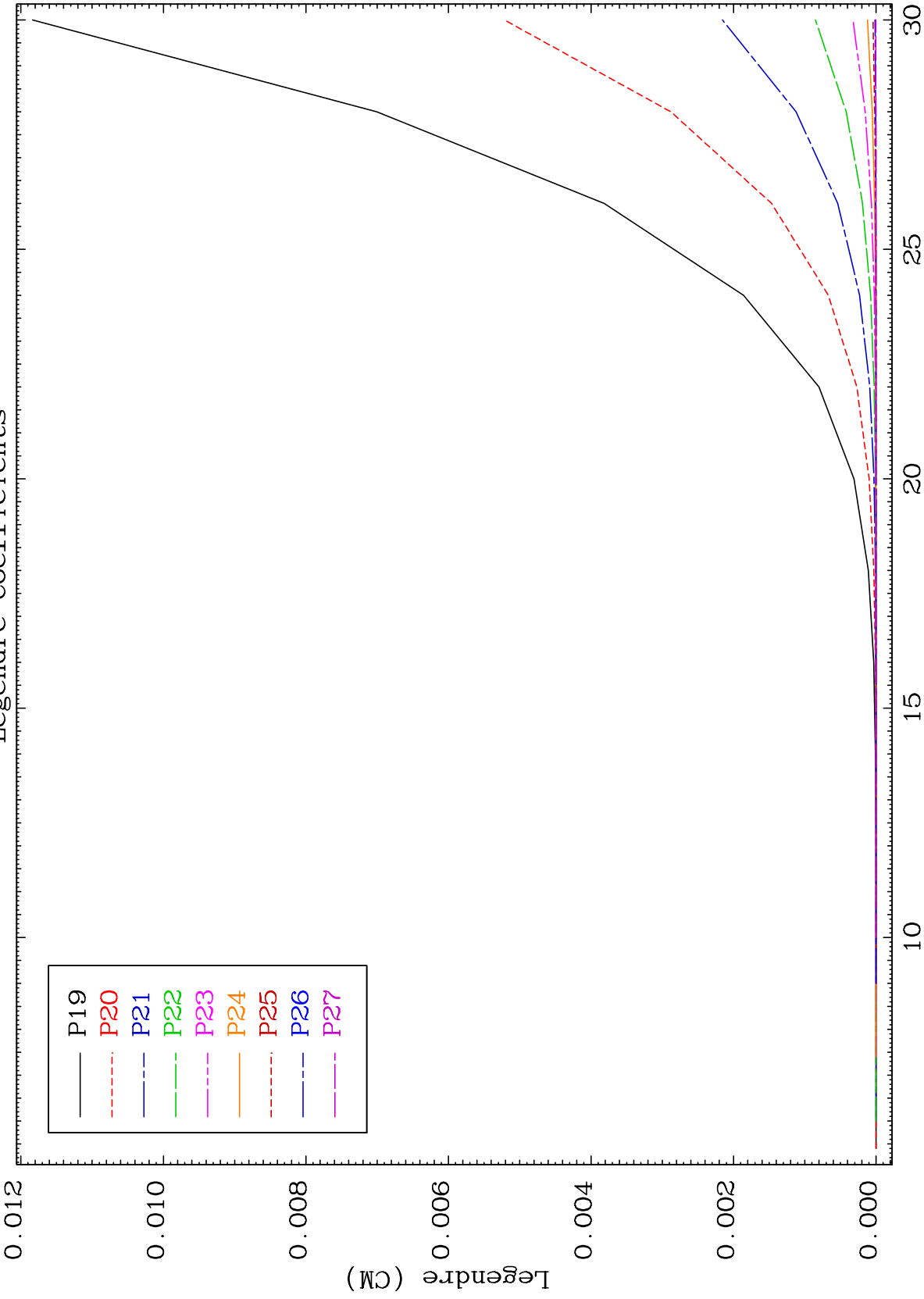
17

59-Pr-140

59-Pr-140

Elastic Legendre Coefficients

MAT 5922



59-Pr-140

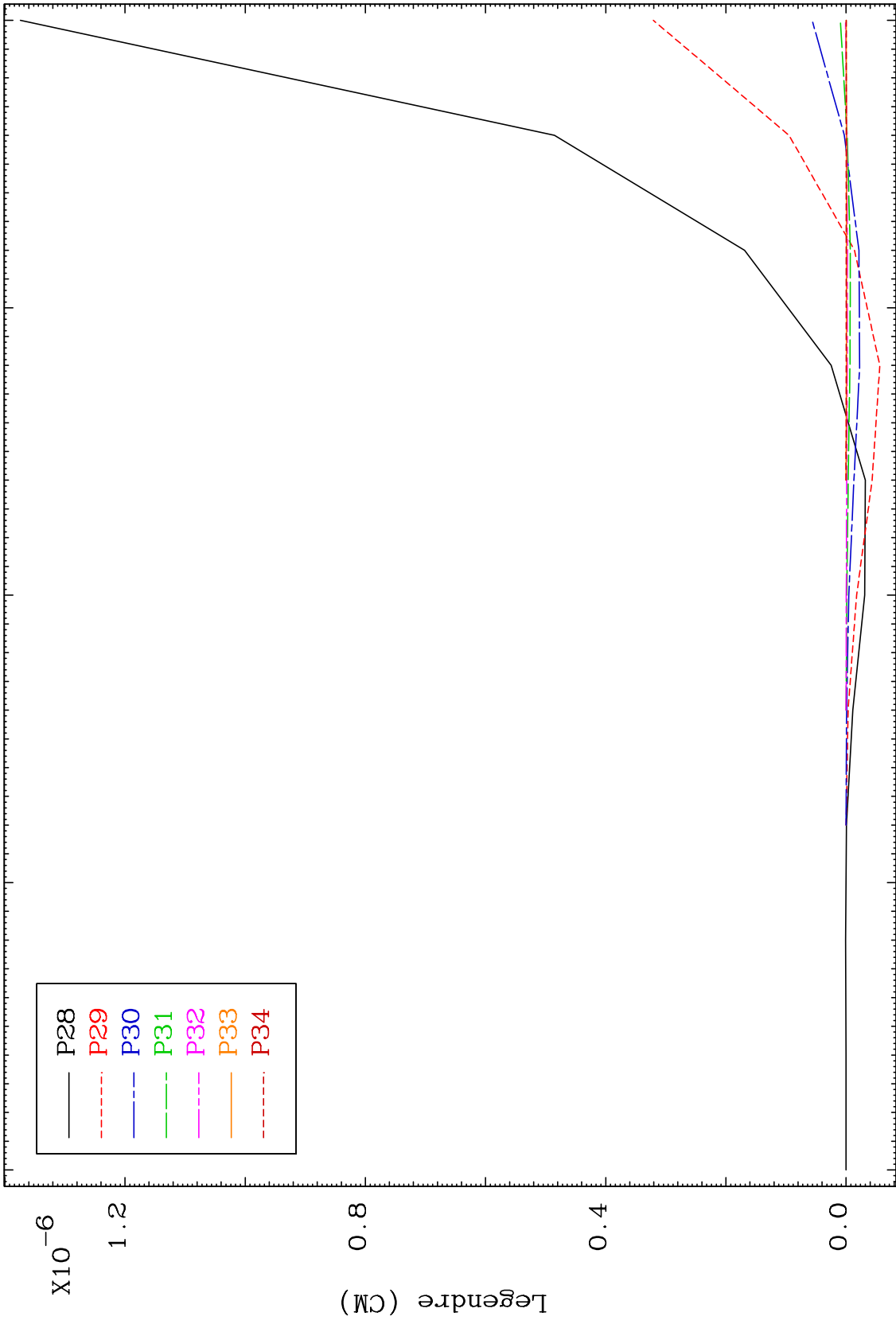
Incident Energy (MeV)

18

MAT 5922

Elastic Legendre Coefficients

59-Pr-140



19

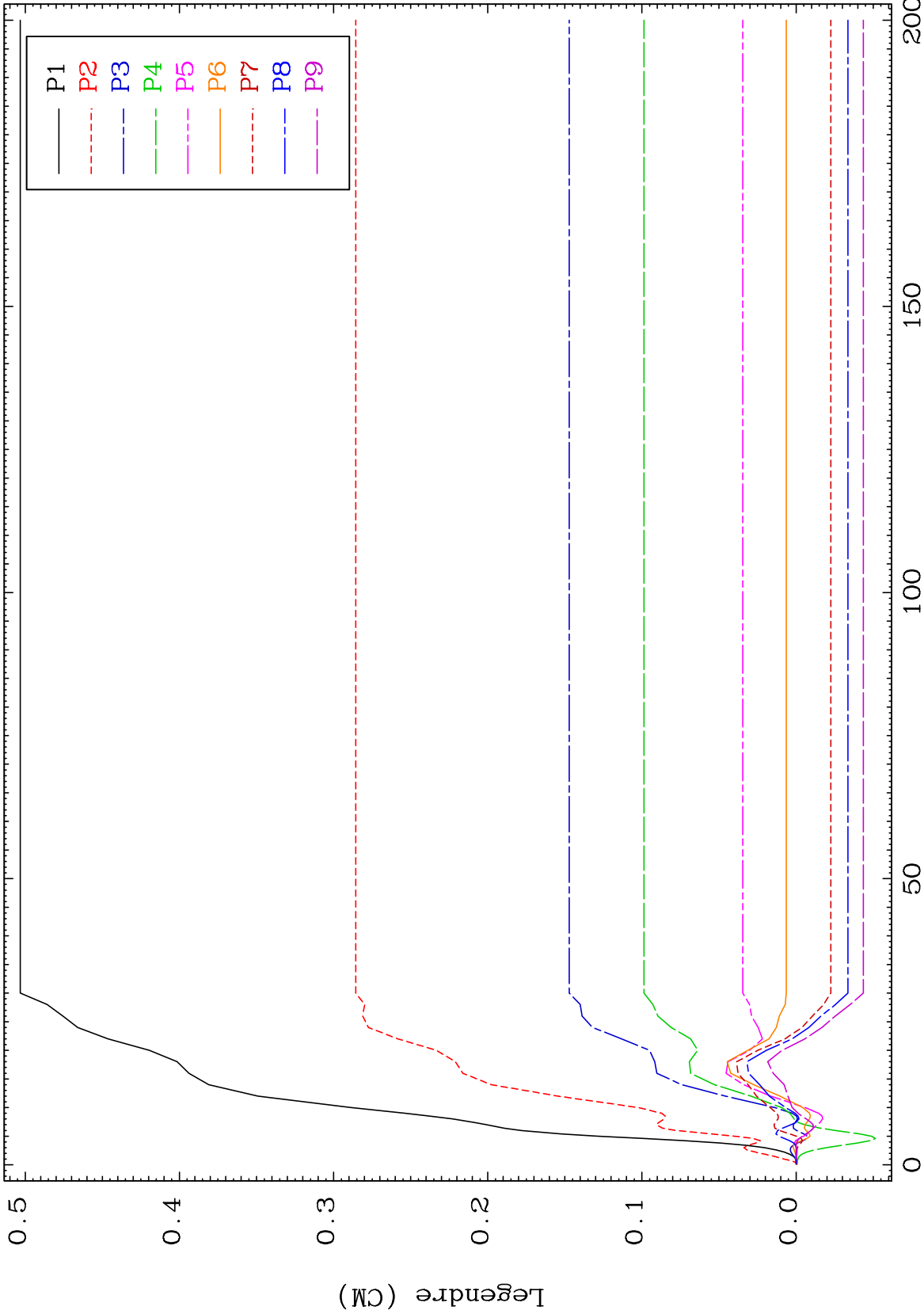
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



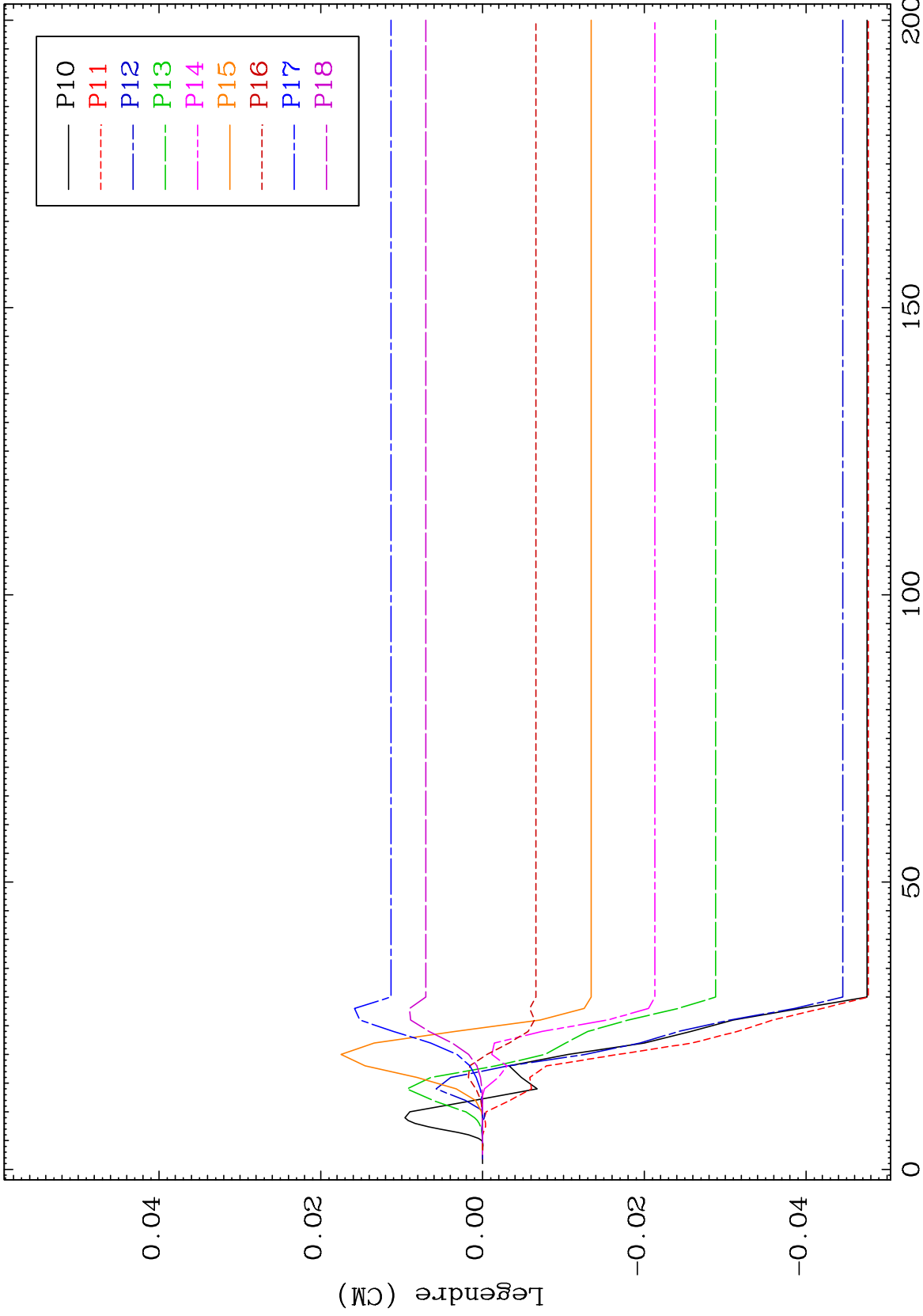
59-Pr-140

Incident Energy (MeV)

MAT 5922

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

59-Pr-140



21

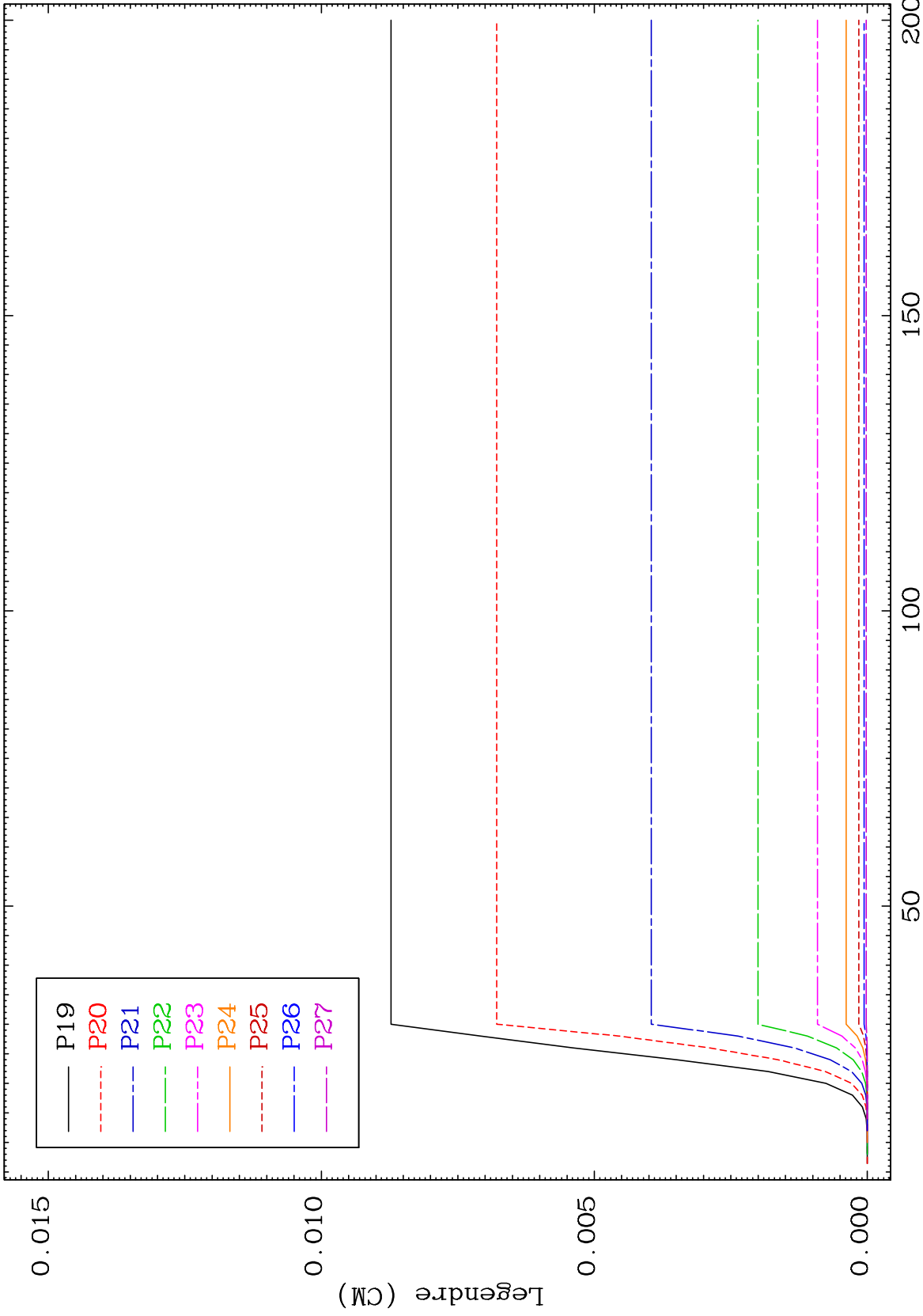
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



22

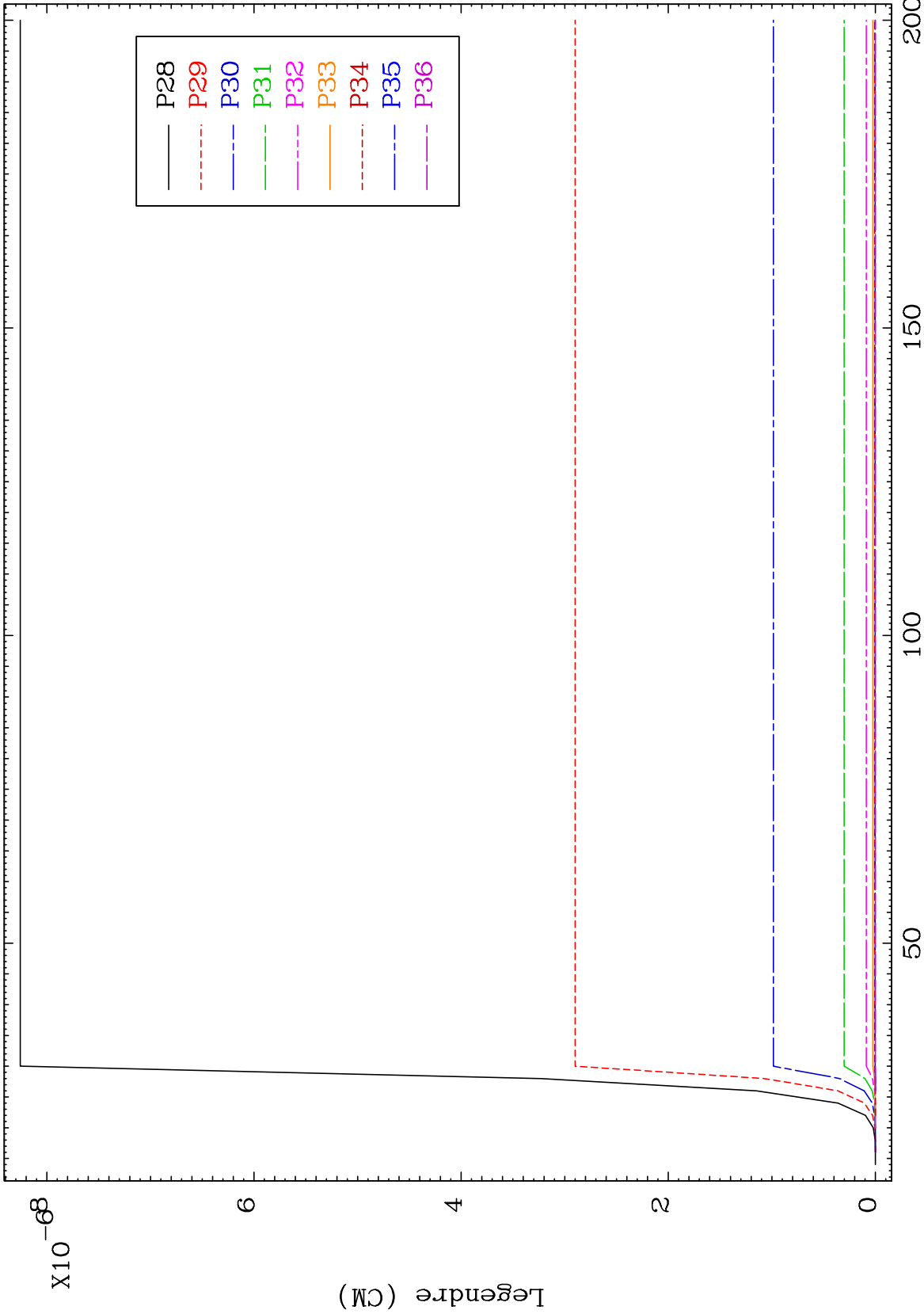
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



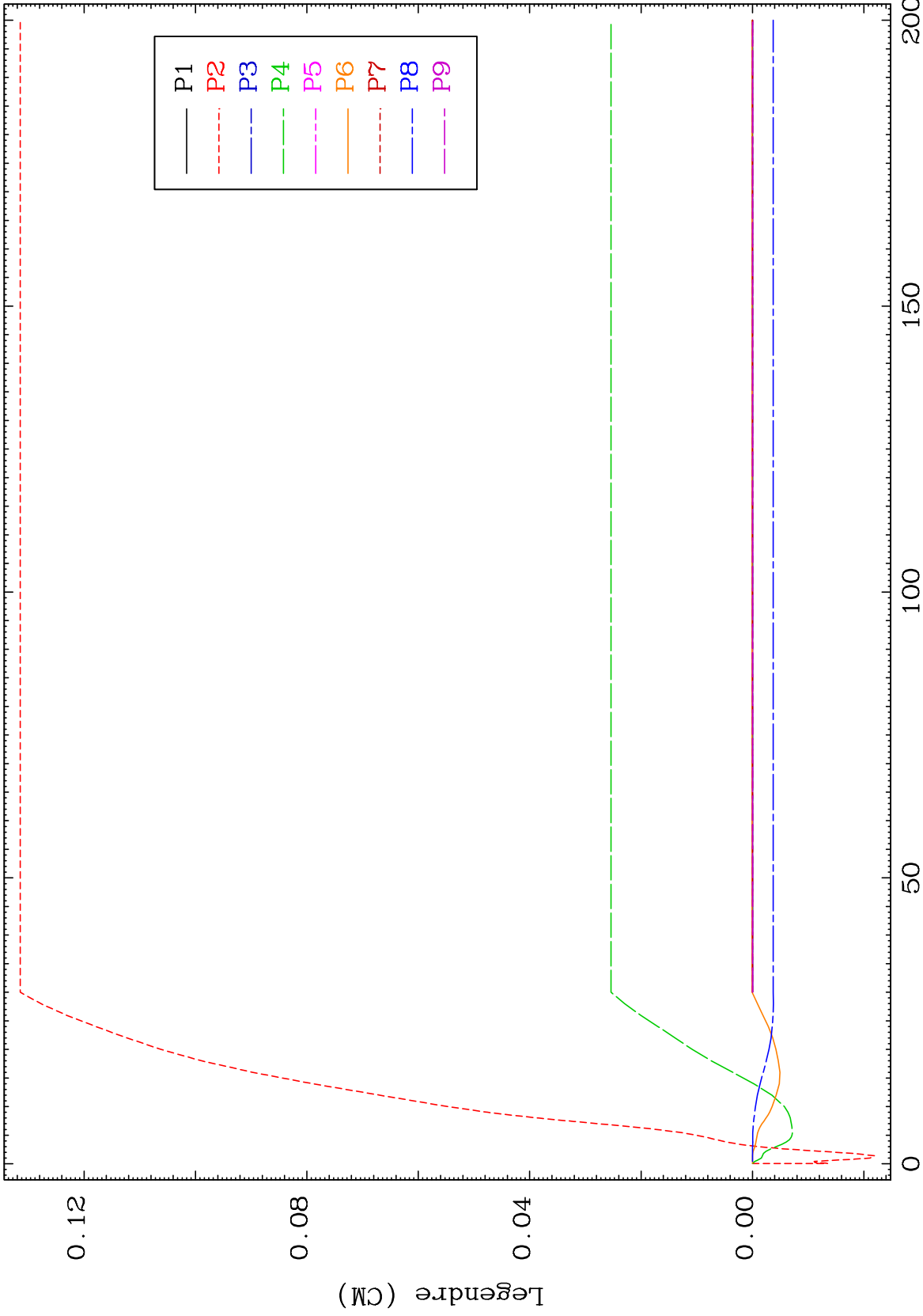
23

59-Pr-140

MAT 5922

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

59-Pr-140



24

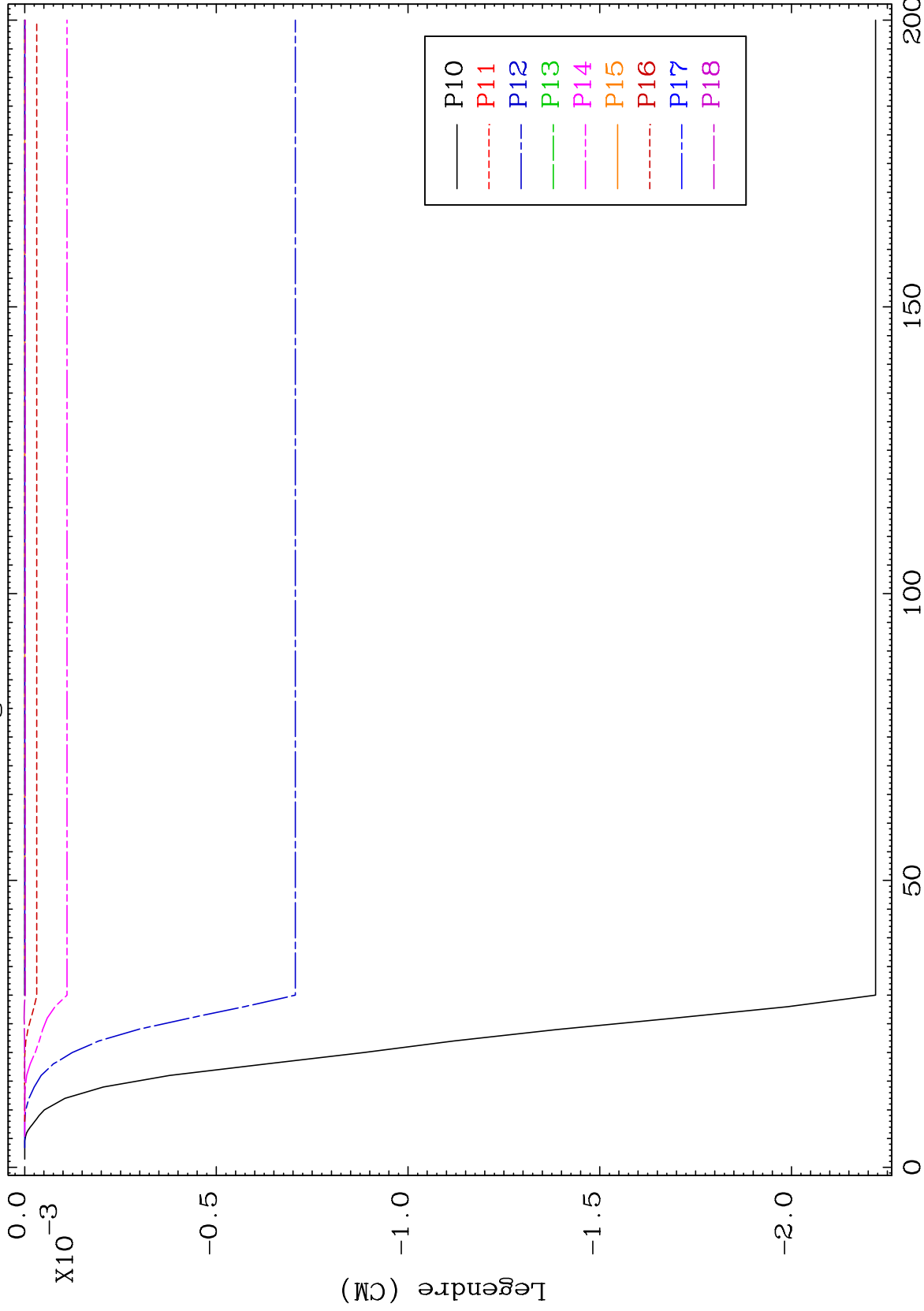
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



25

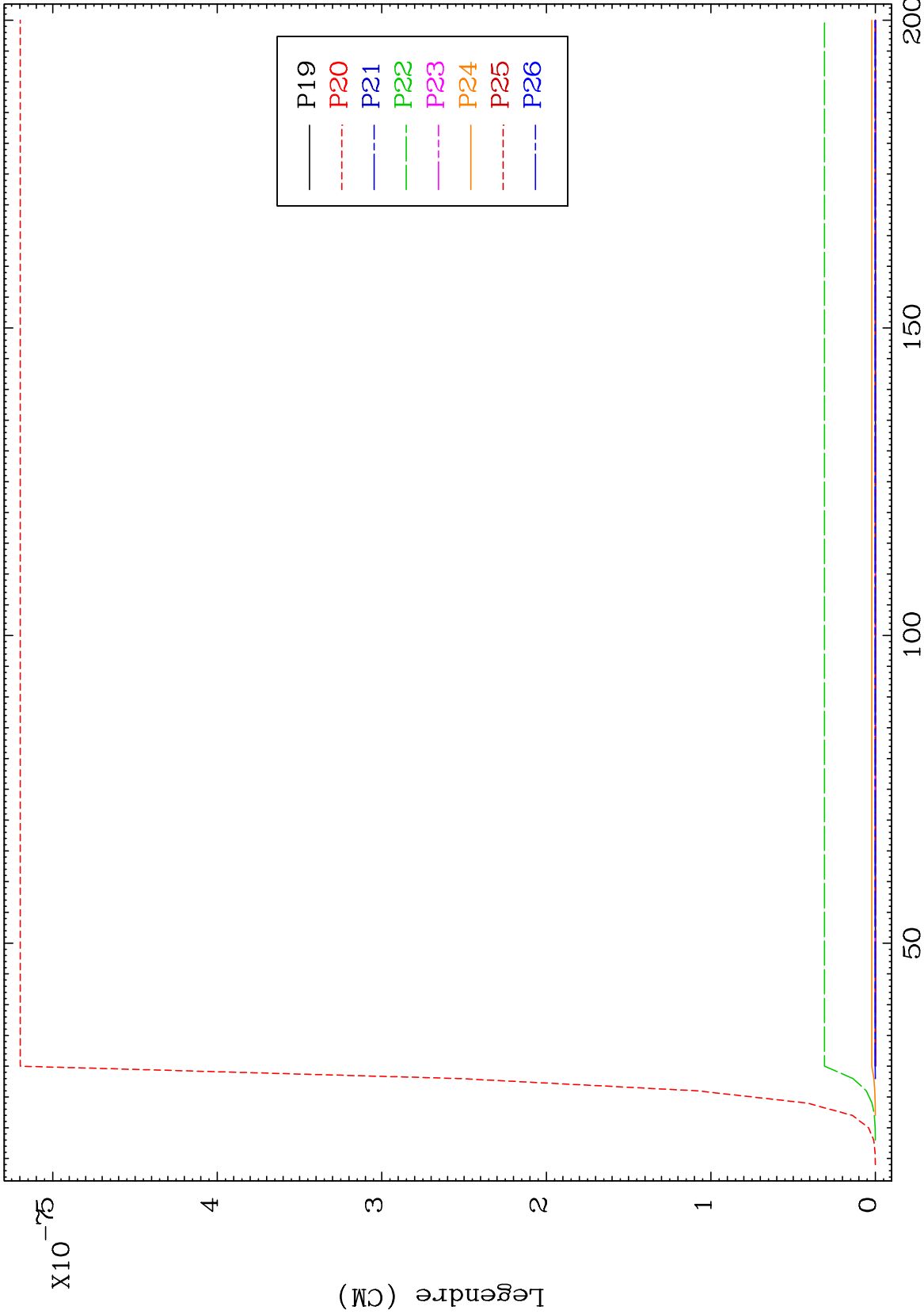
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



26

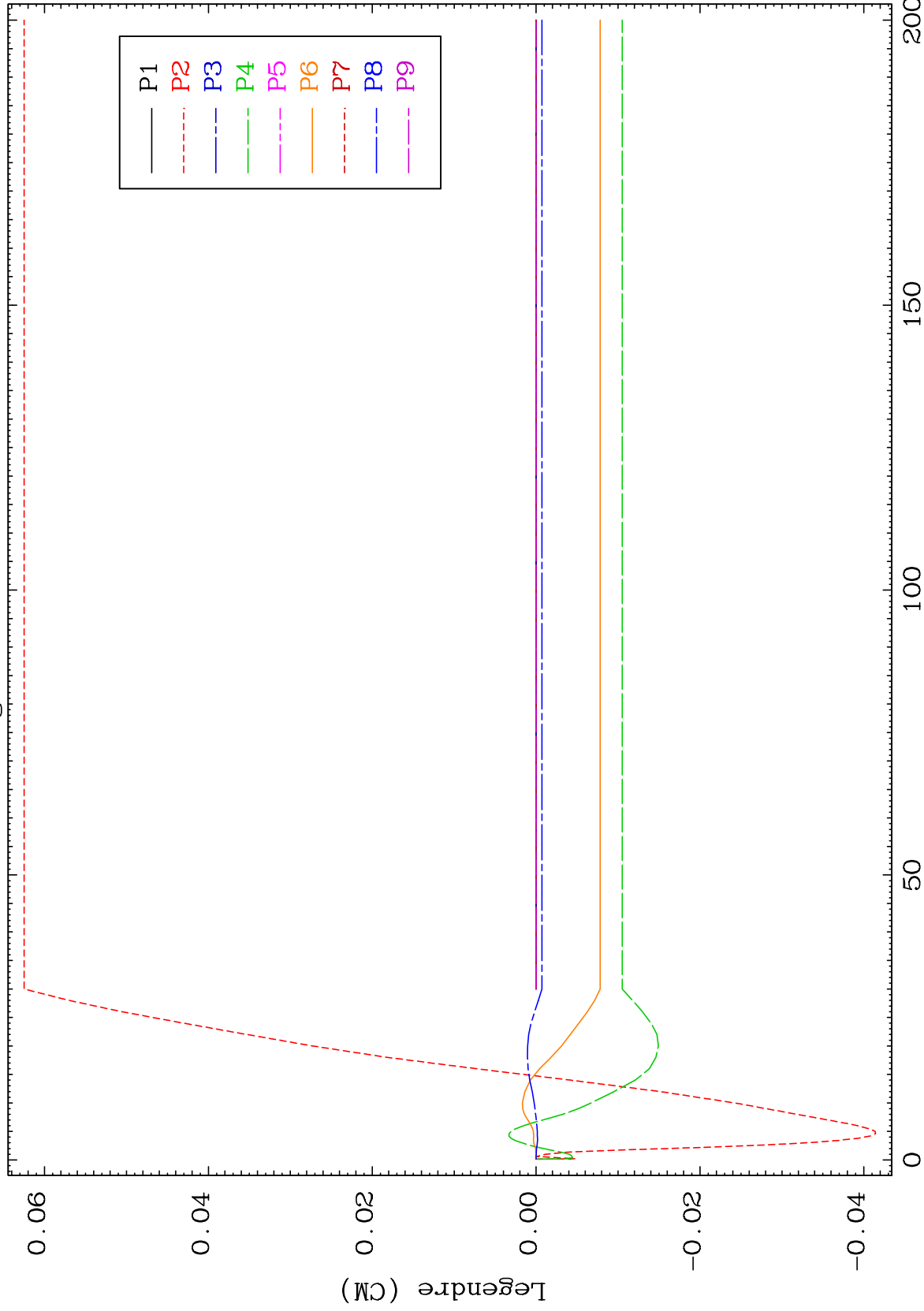
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



27

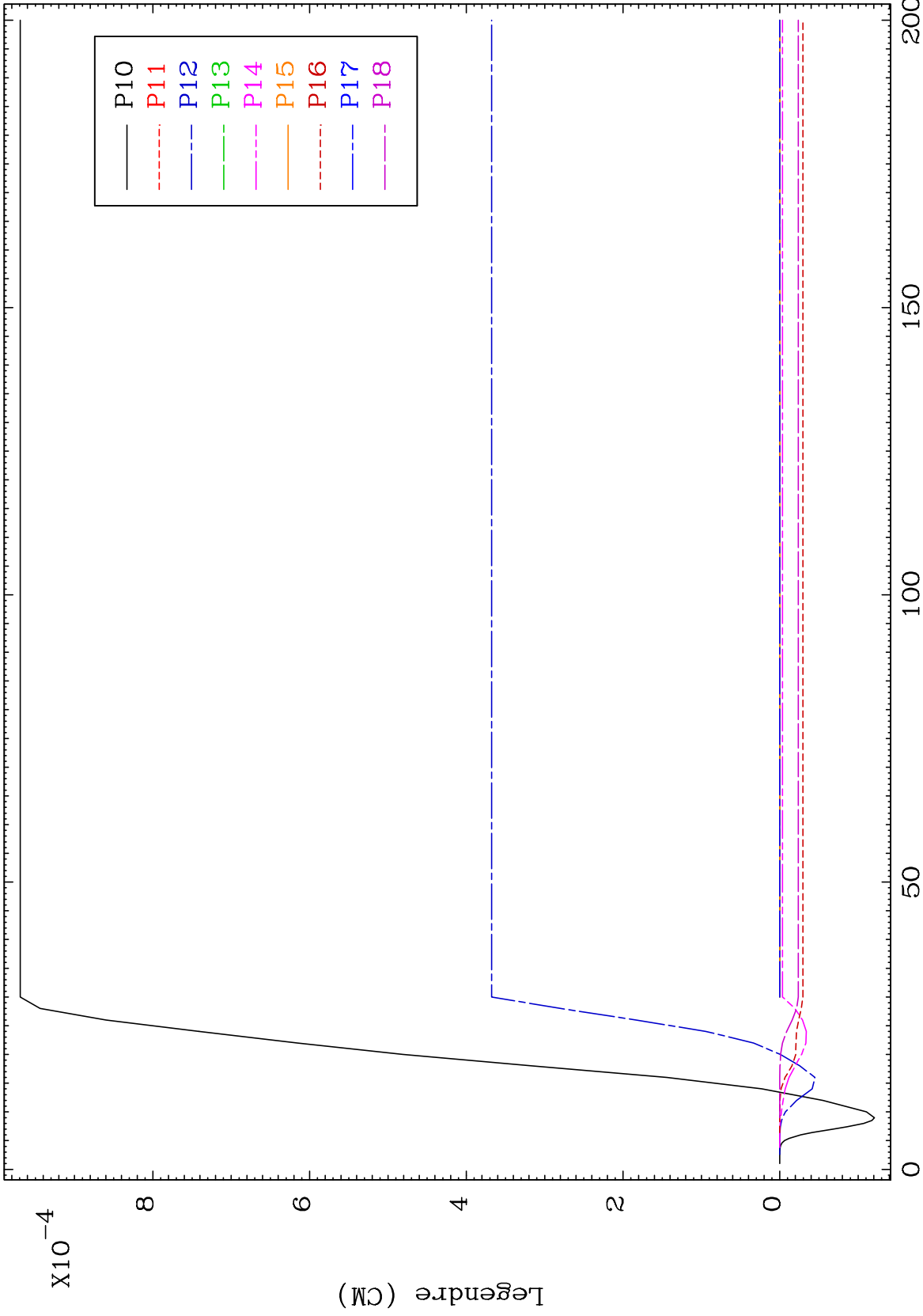
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



28

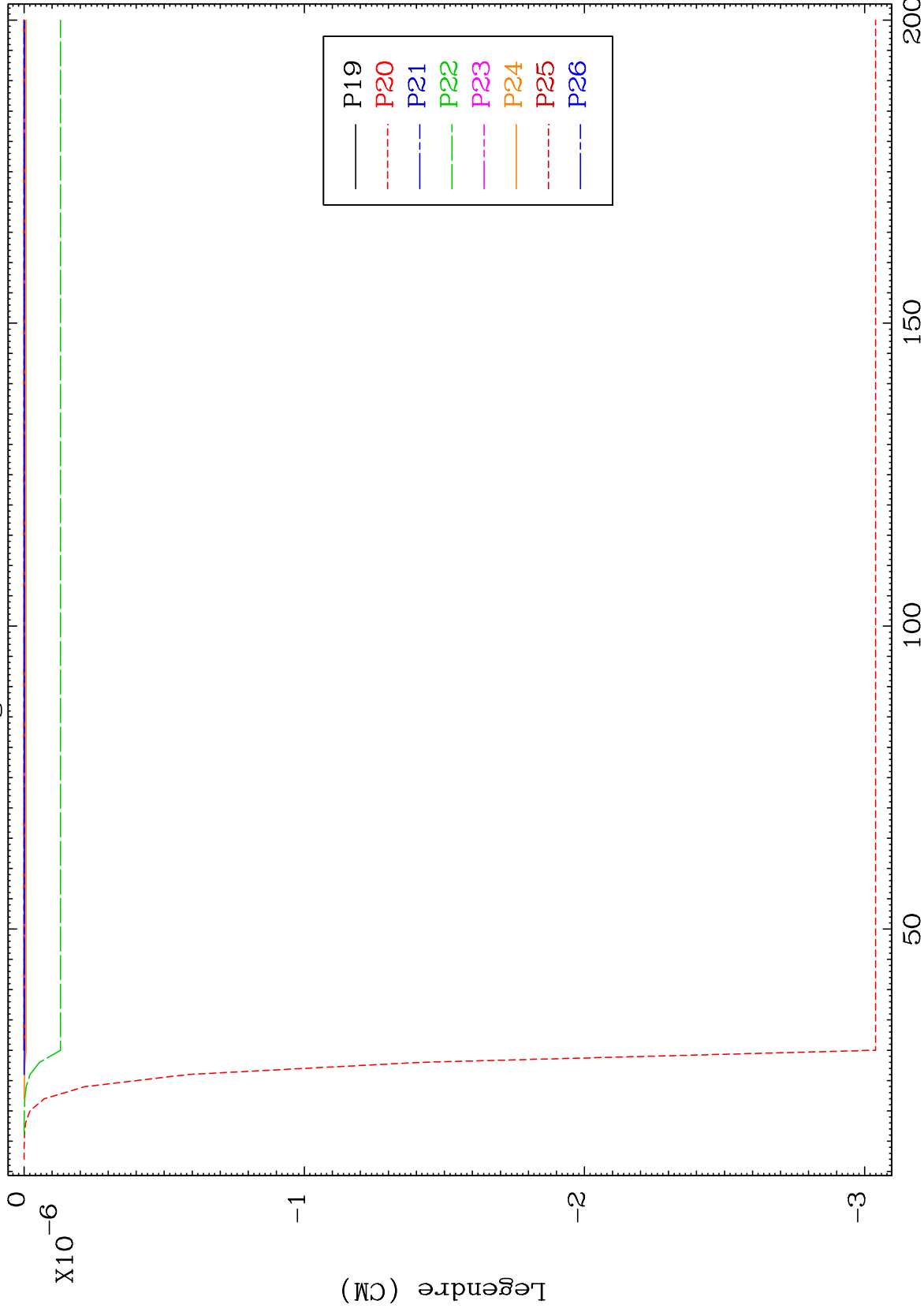
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



29

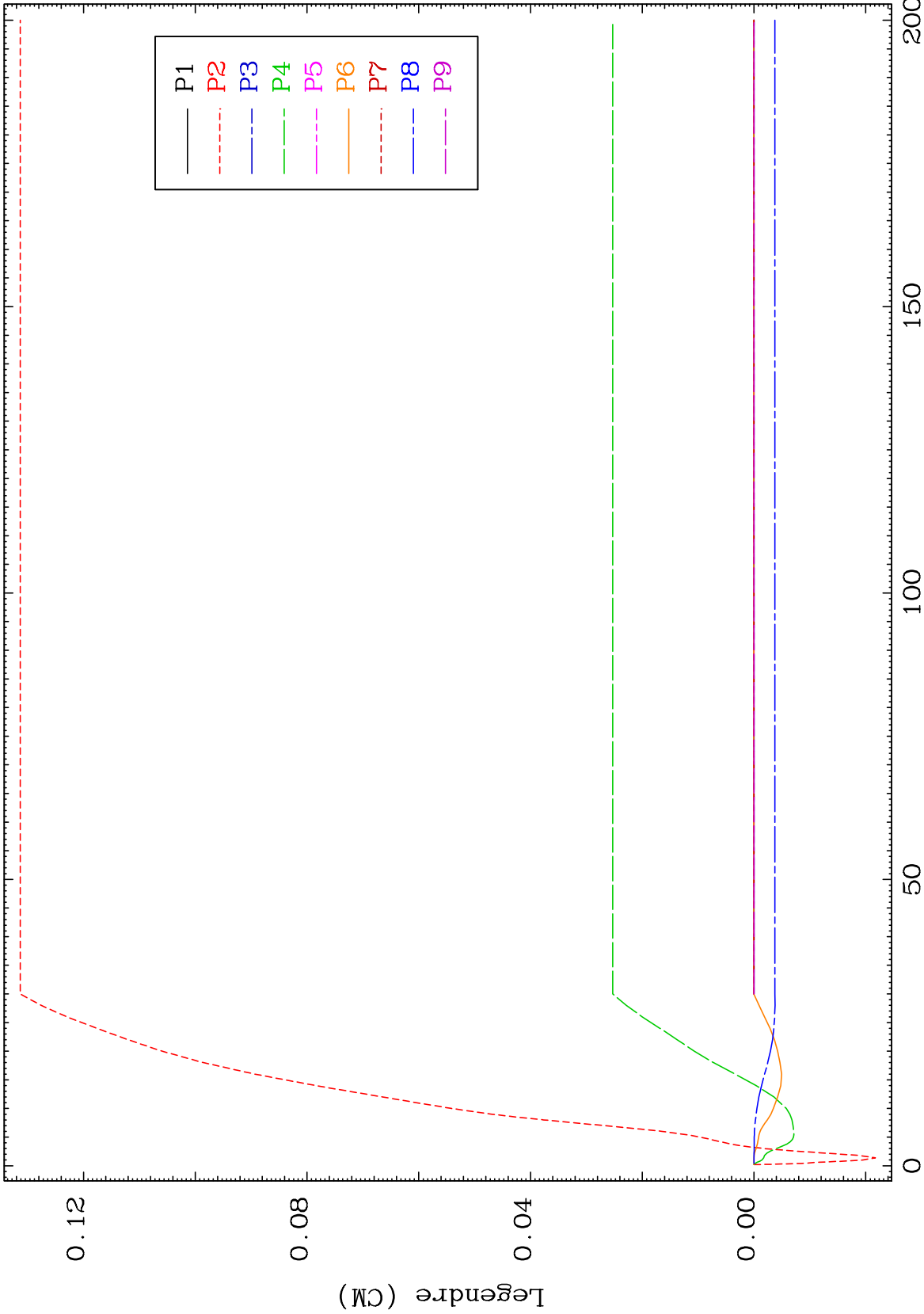
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



59-Pr-140

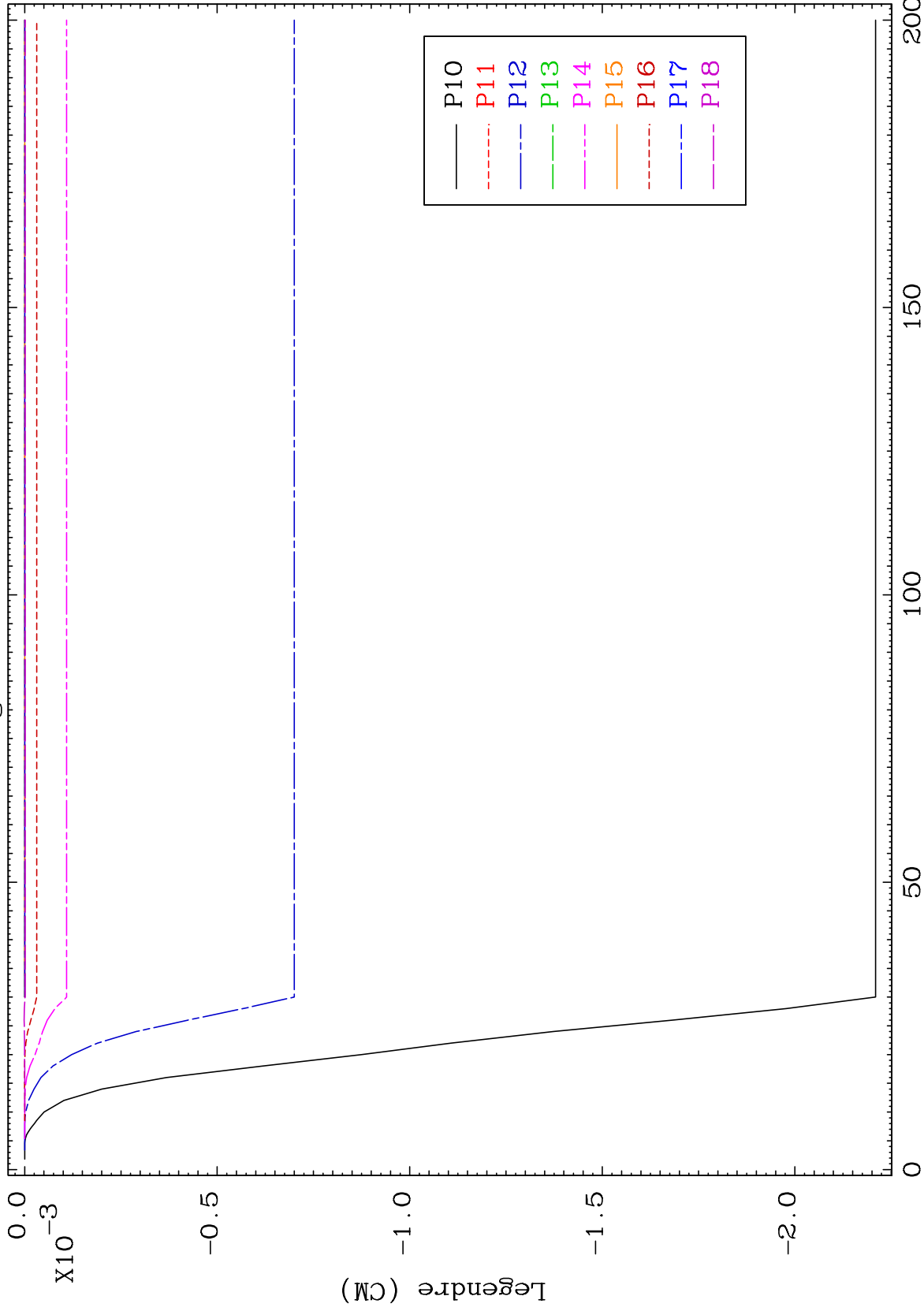
Incident Energy (MeV)

30

MAT 5922

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

59-Pr-140



31

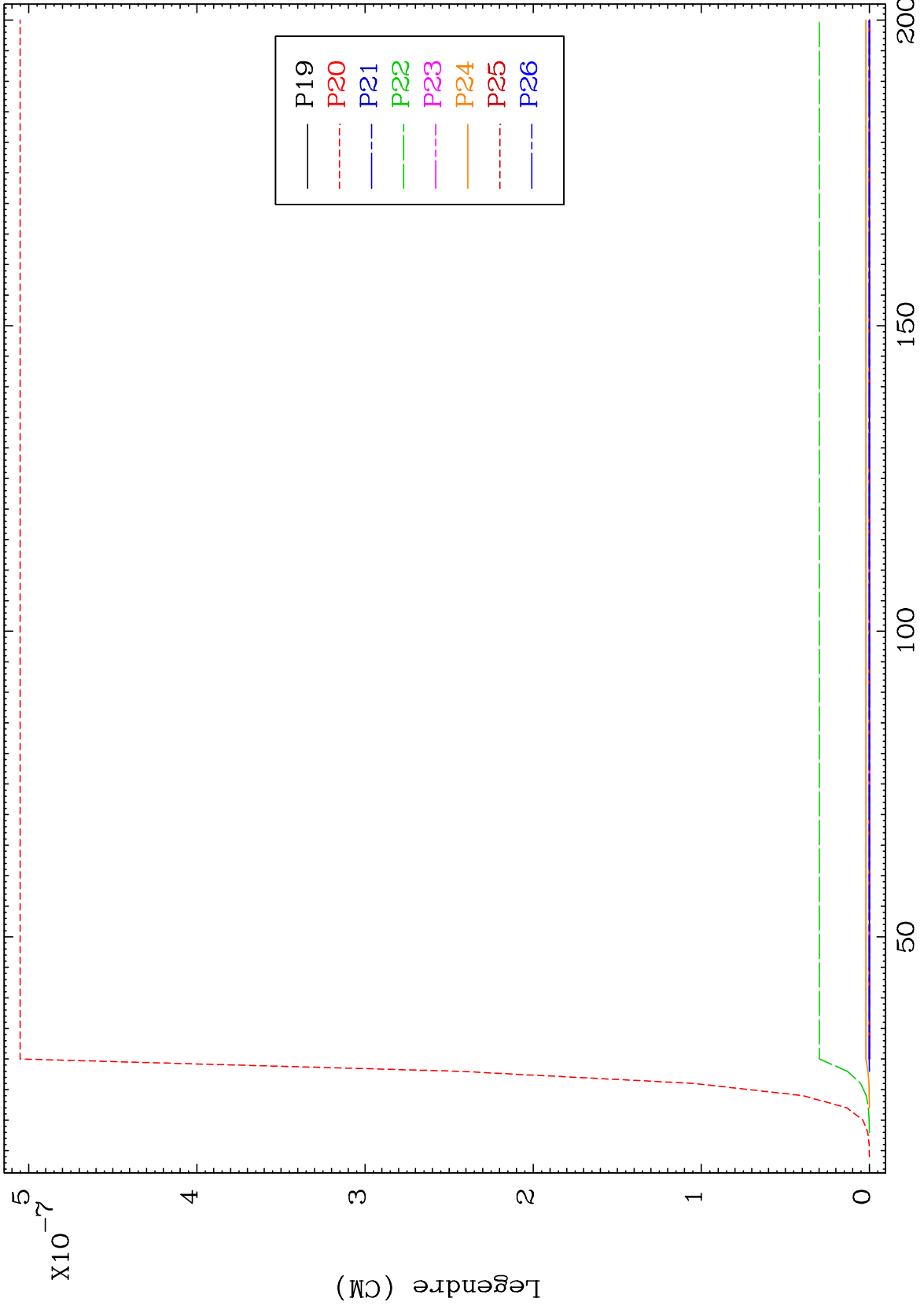
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



32

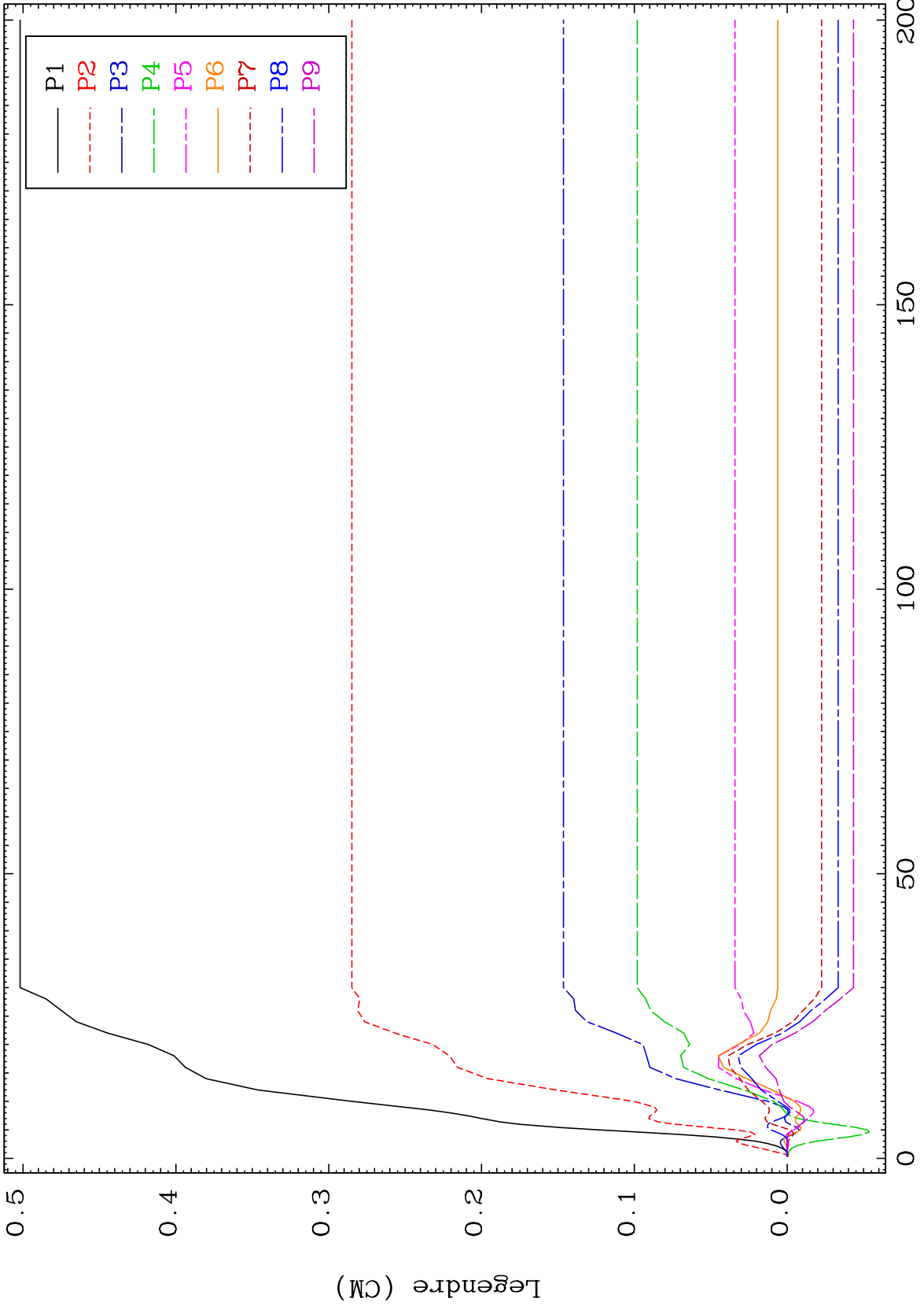
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



33

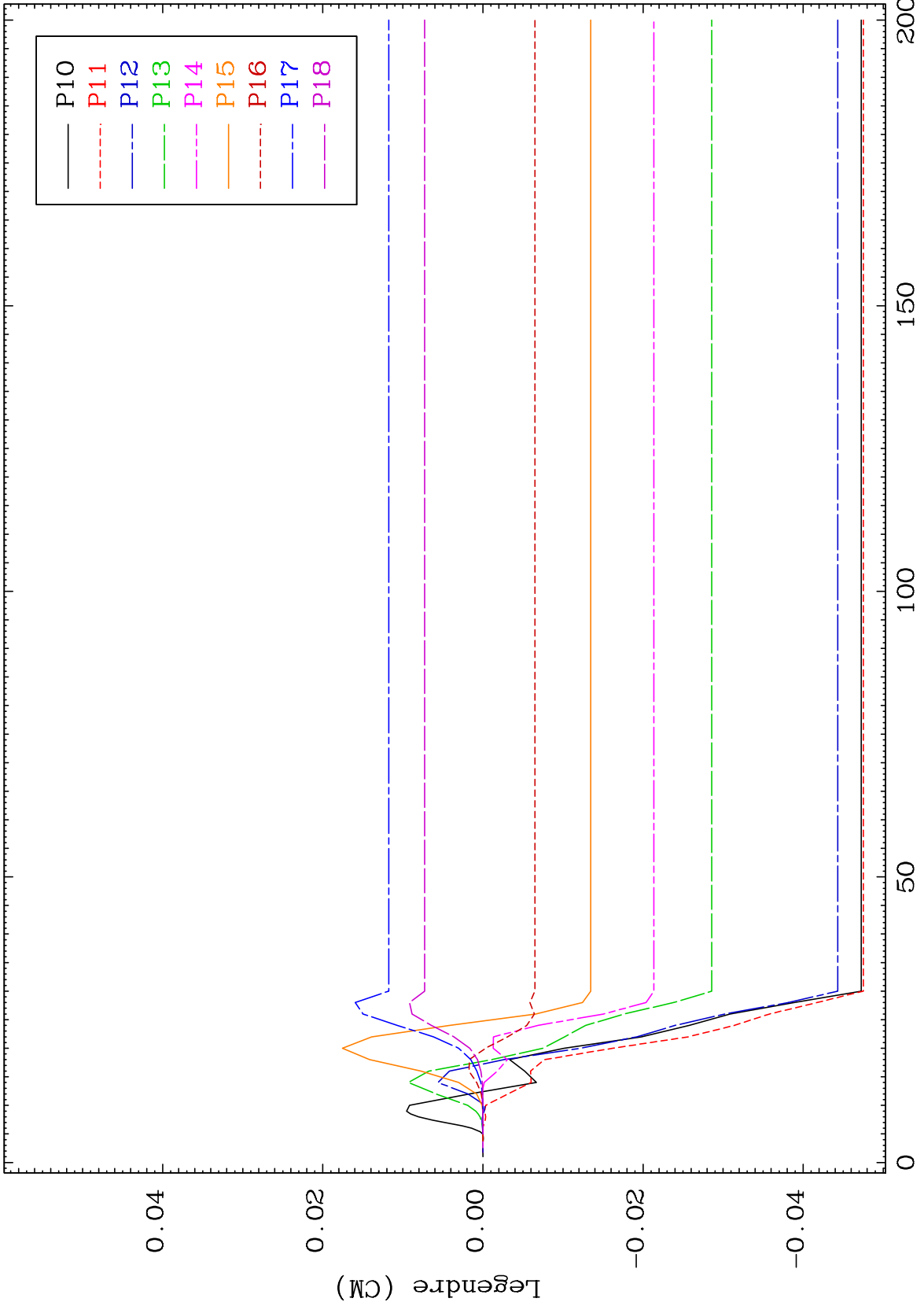
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



34

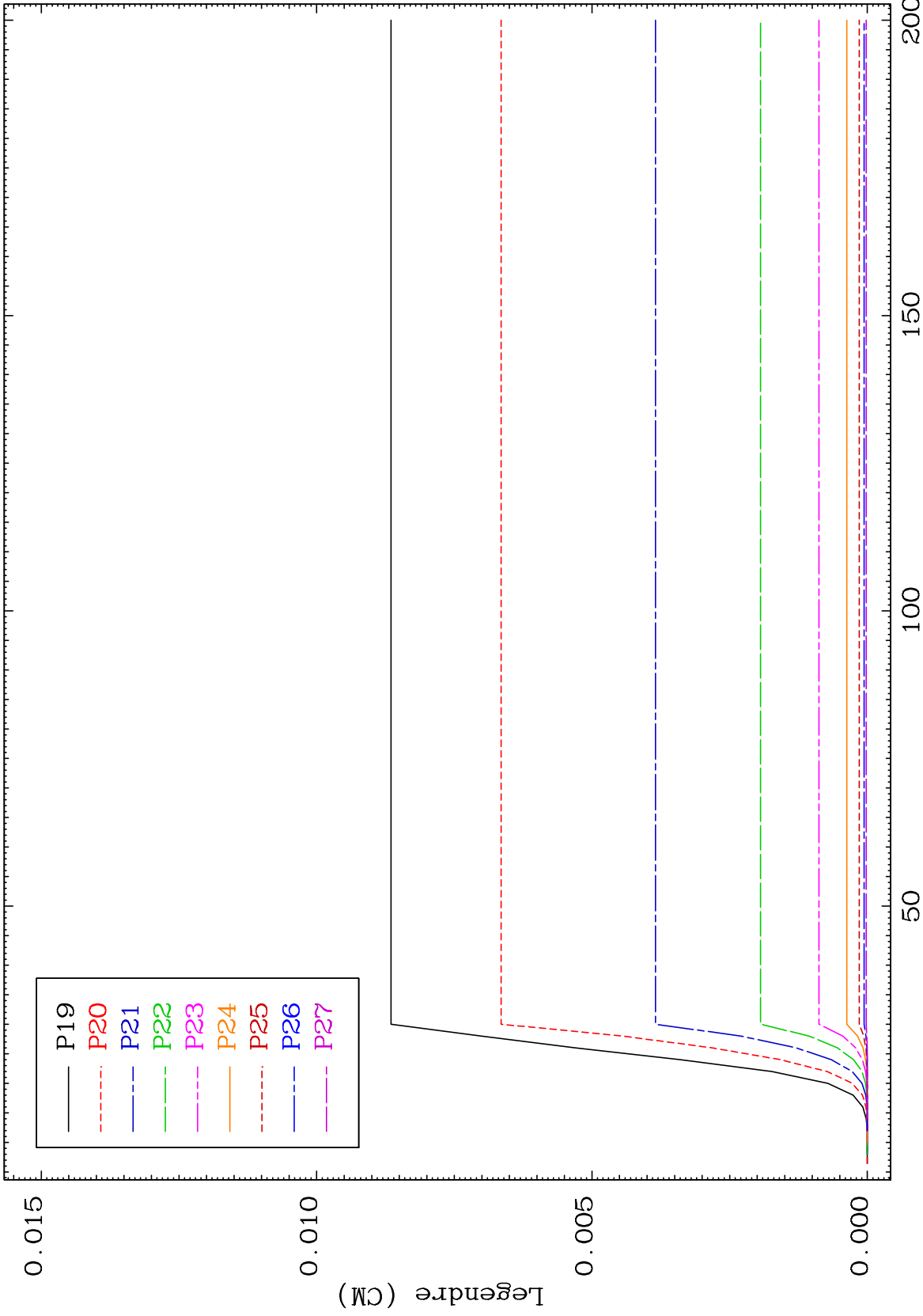
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



35

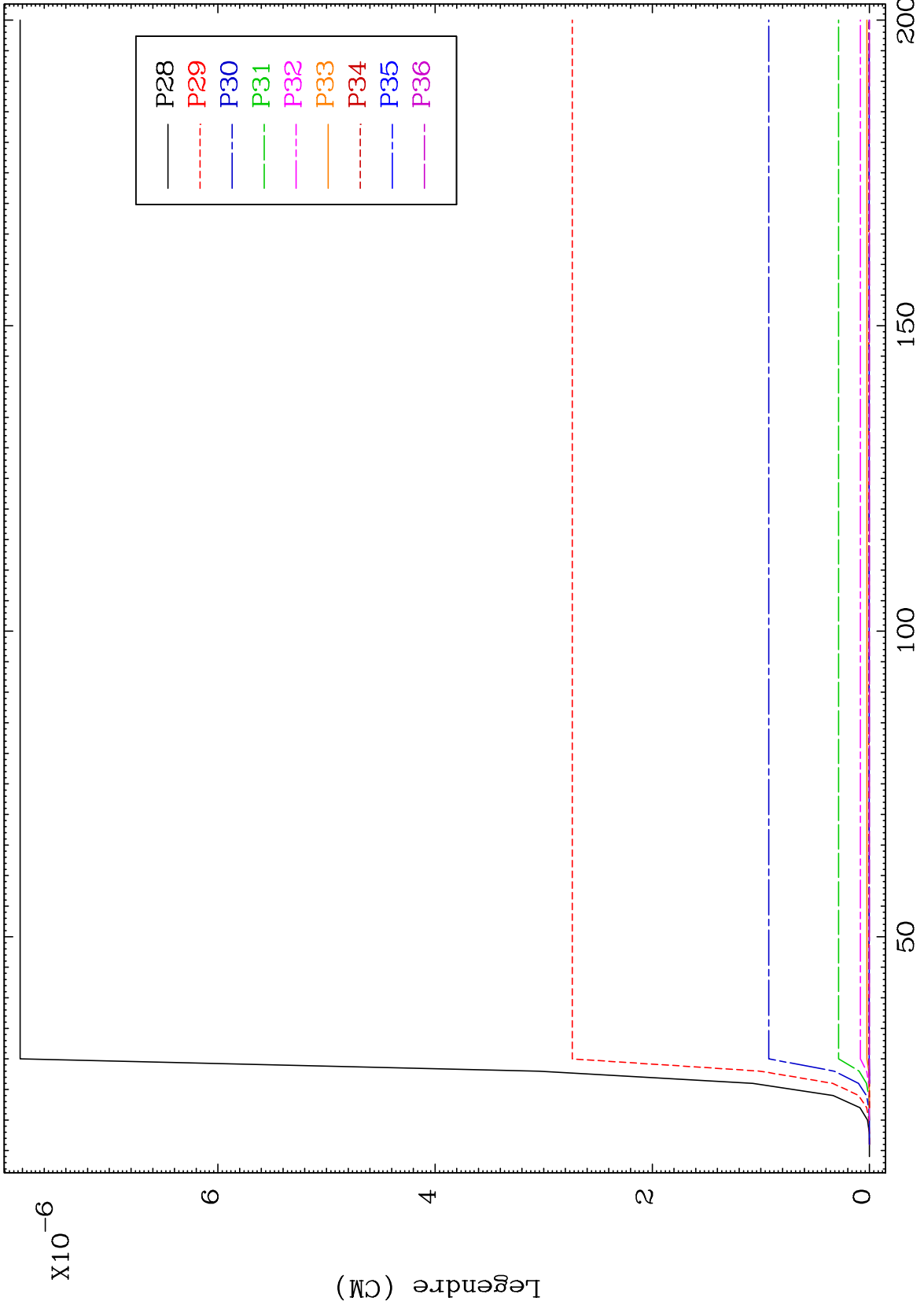
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140

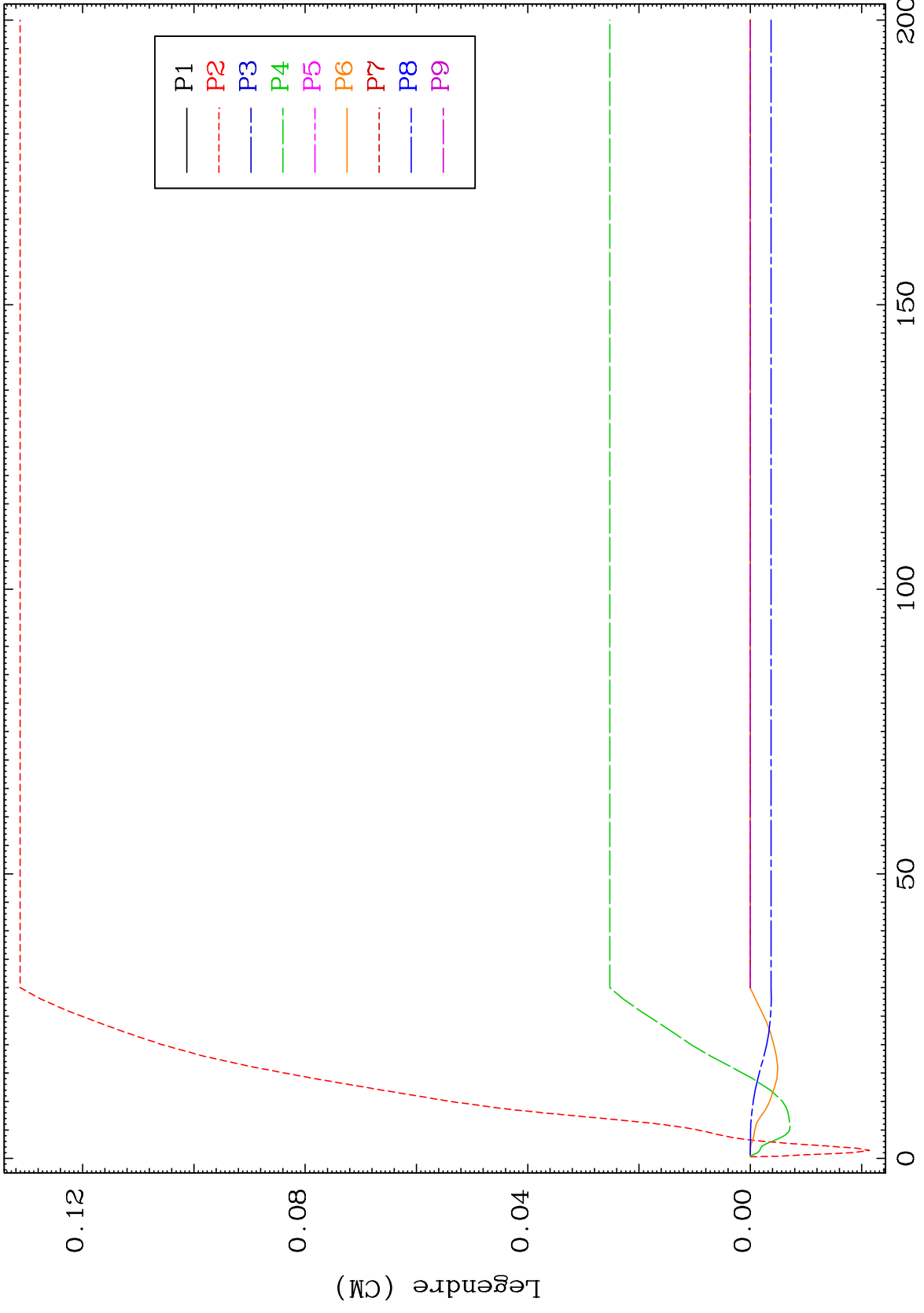


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Incident Energy (MeV)

59-Pr-140

MAT 5922 MT= 56 (n,n') Level Legendre Coefficients 59-Pr-140

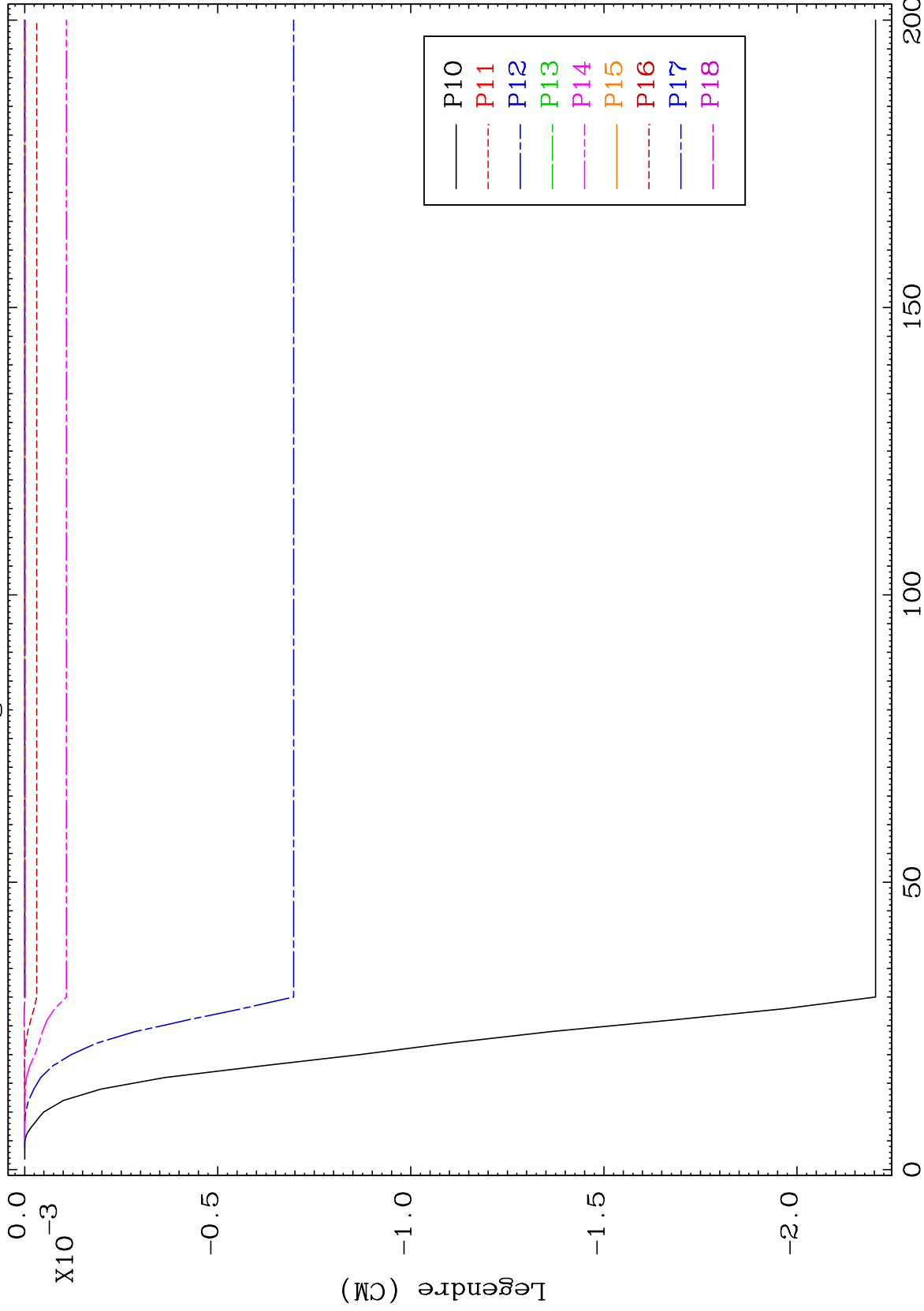


37 59-Pr-140

MAT 5922

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

59-Pr-140



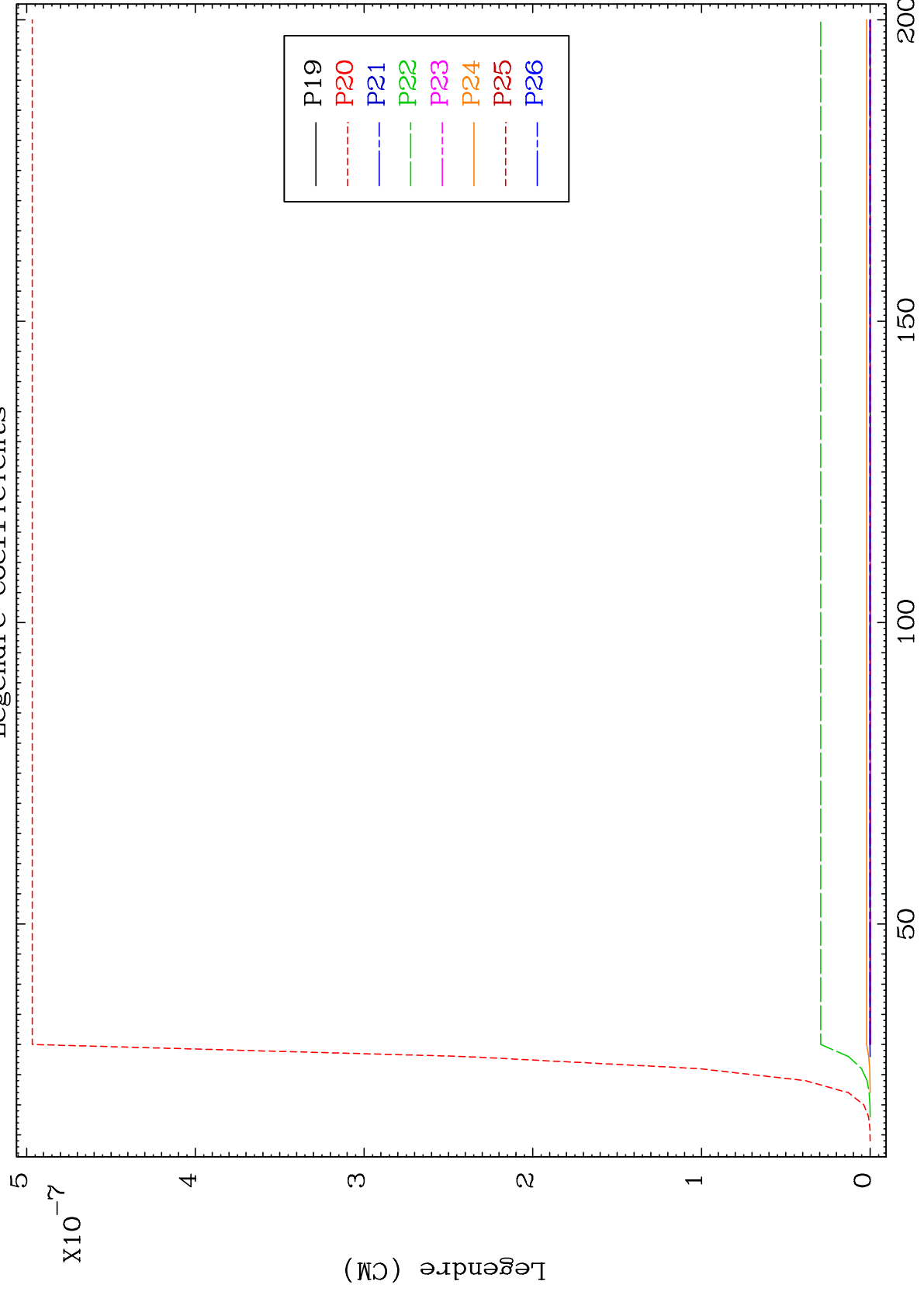
38

59-Pr-140

MAT 5922

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

59-Pr-140



39

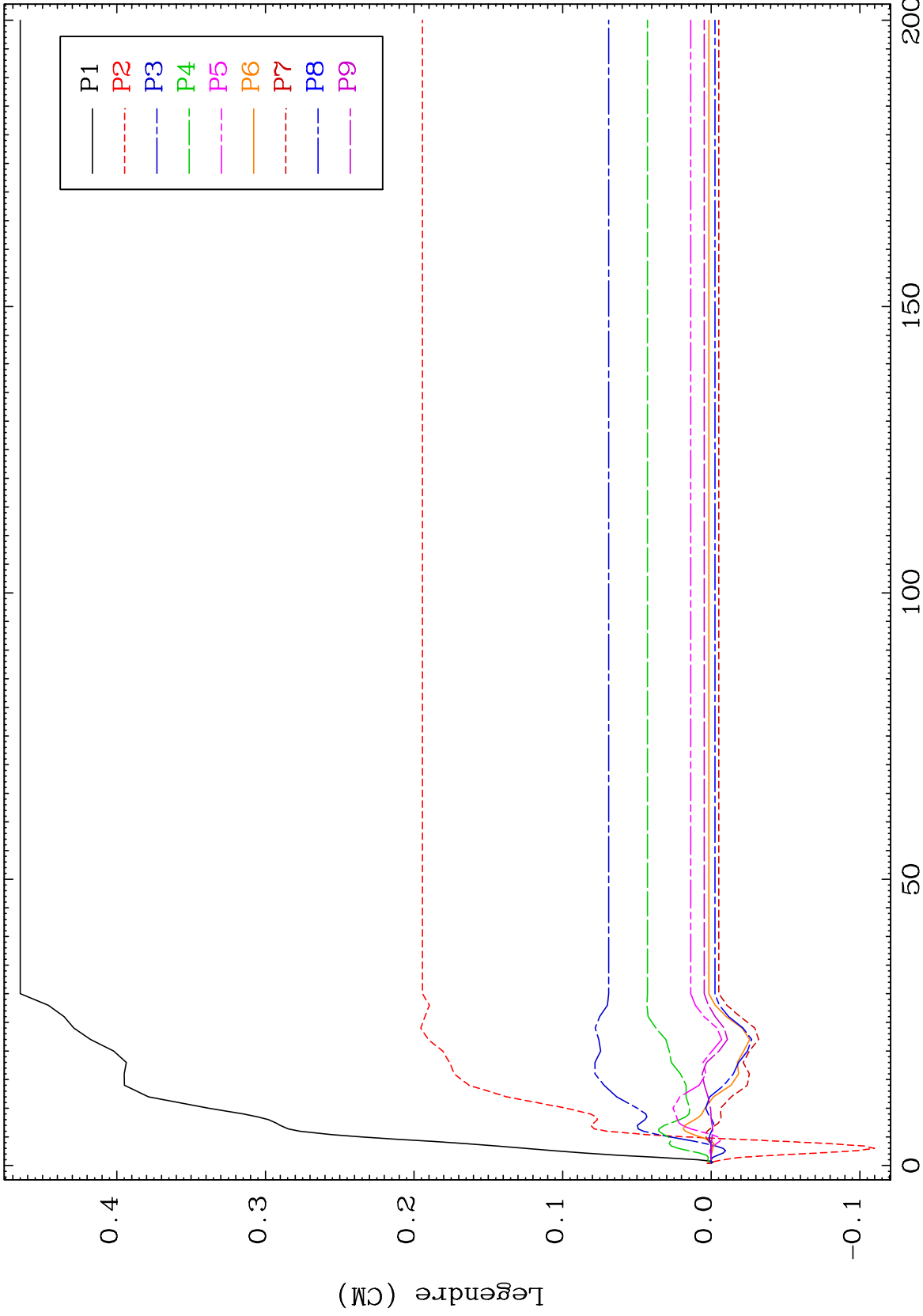
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



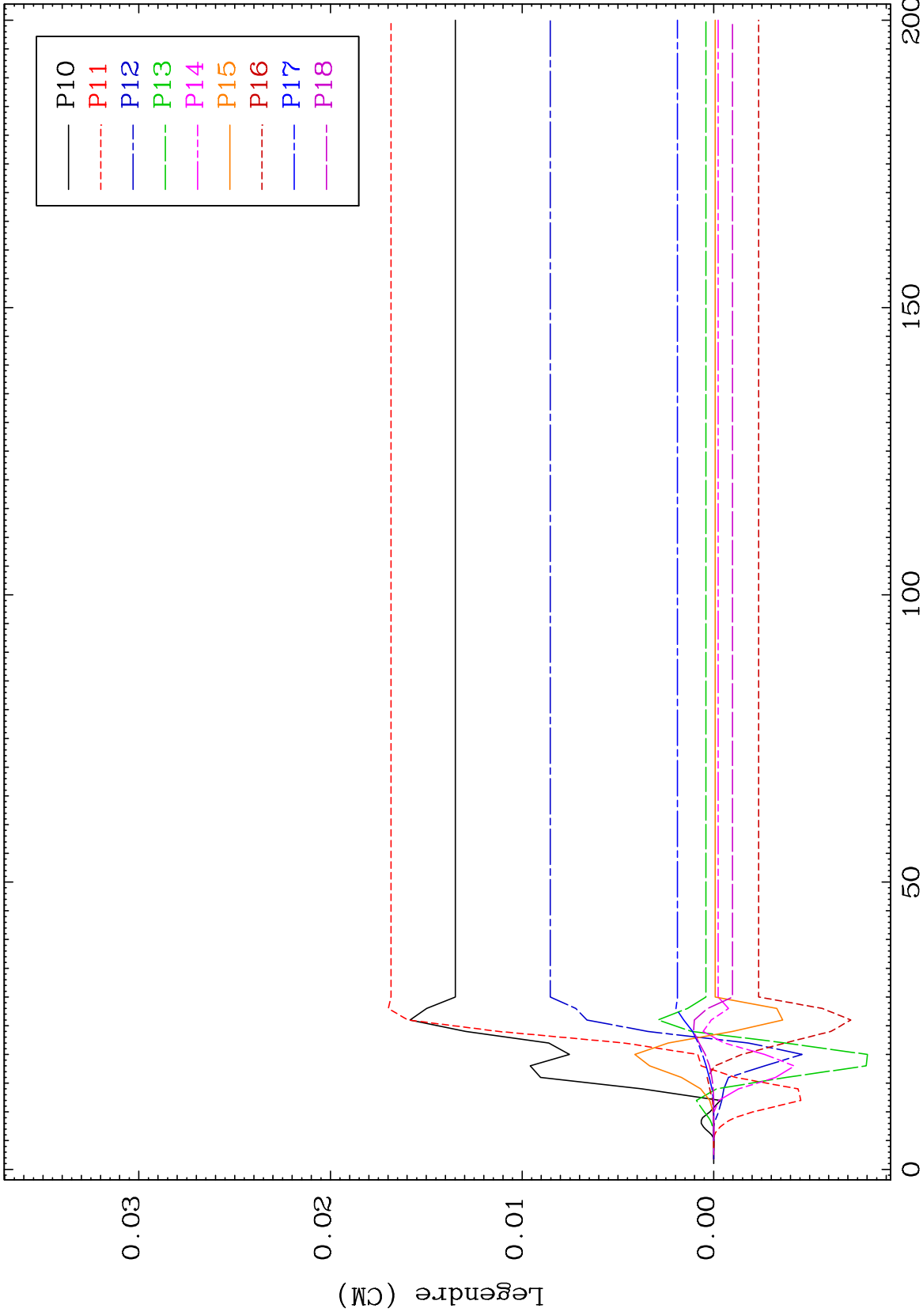
59-Pr-140

Incident Energy (MeV)

MAT 5922

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

59-Pr-140



41

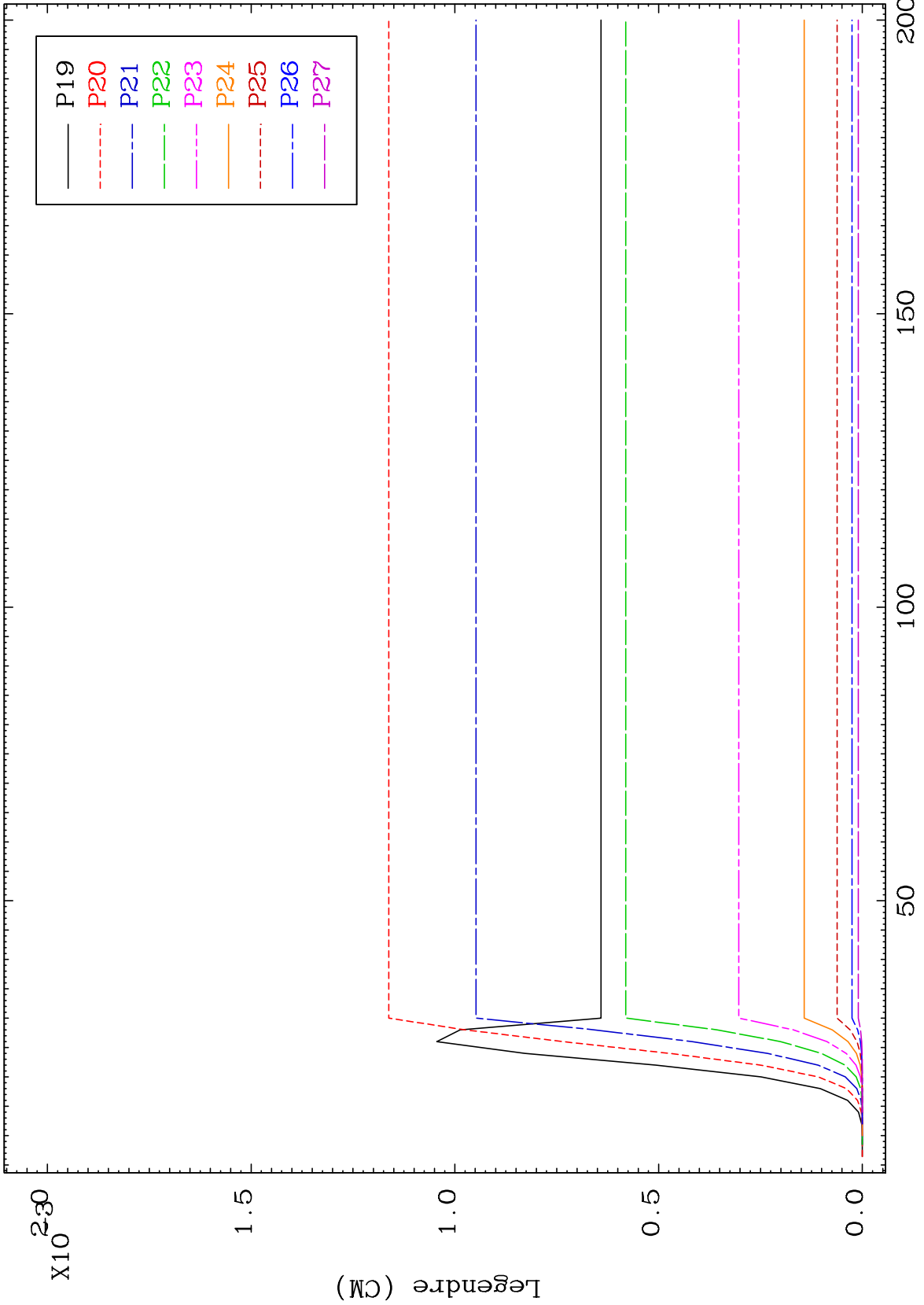
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



42

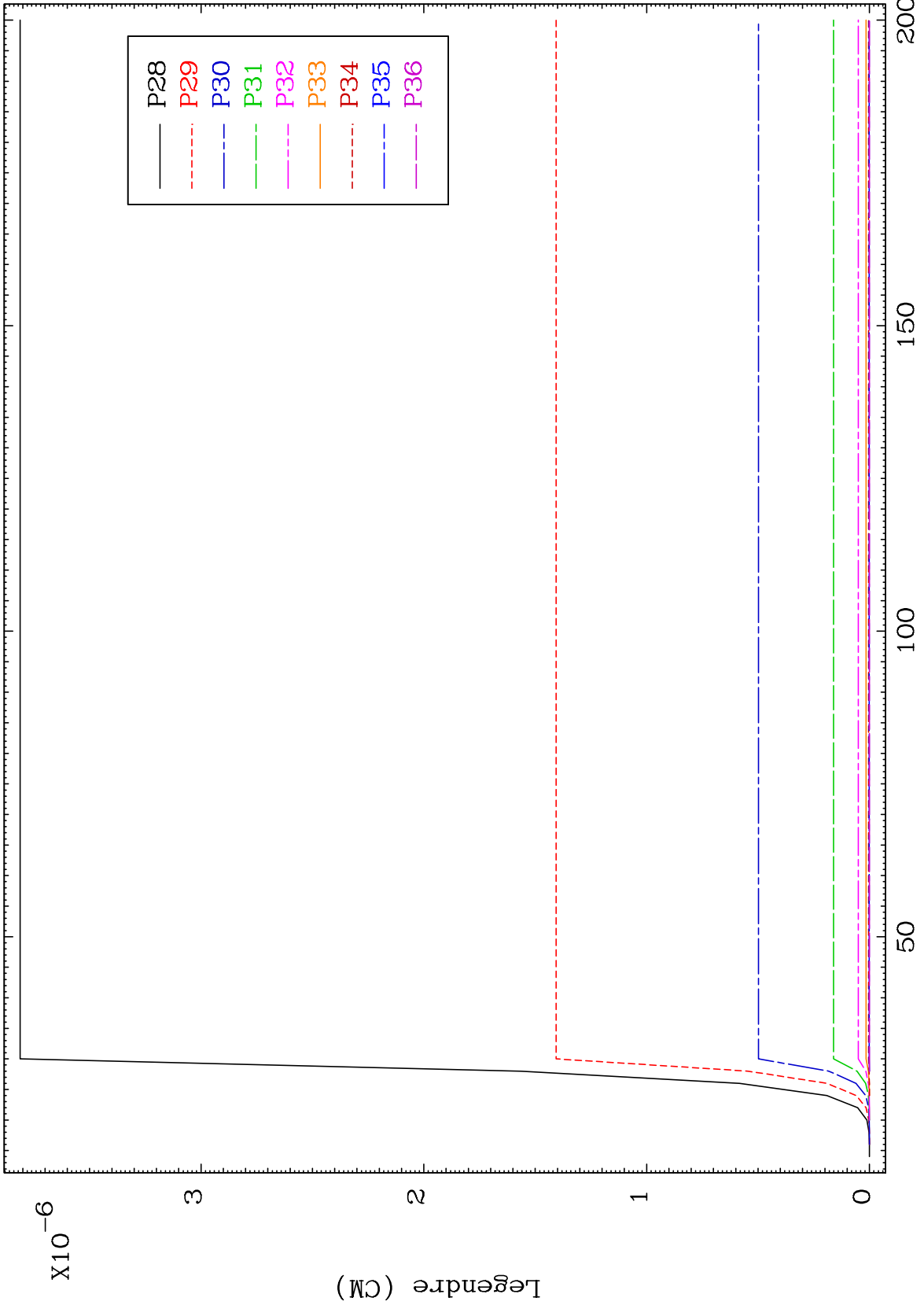
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



43

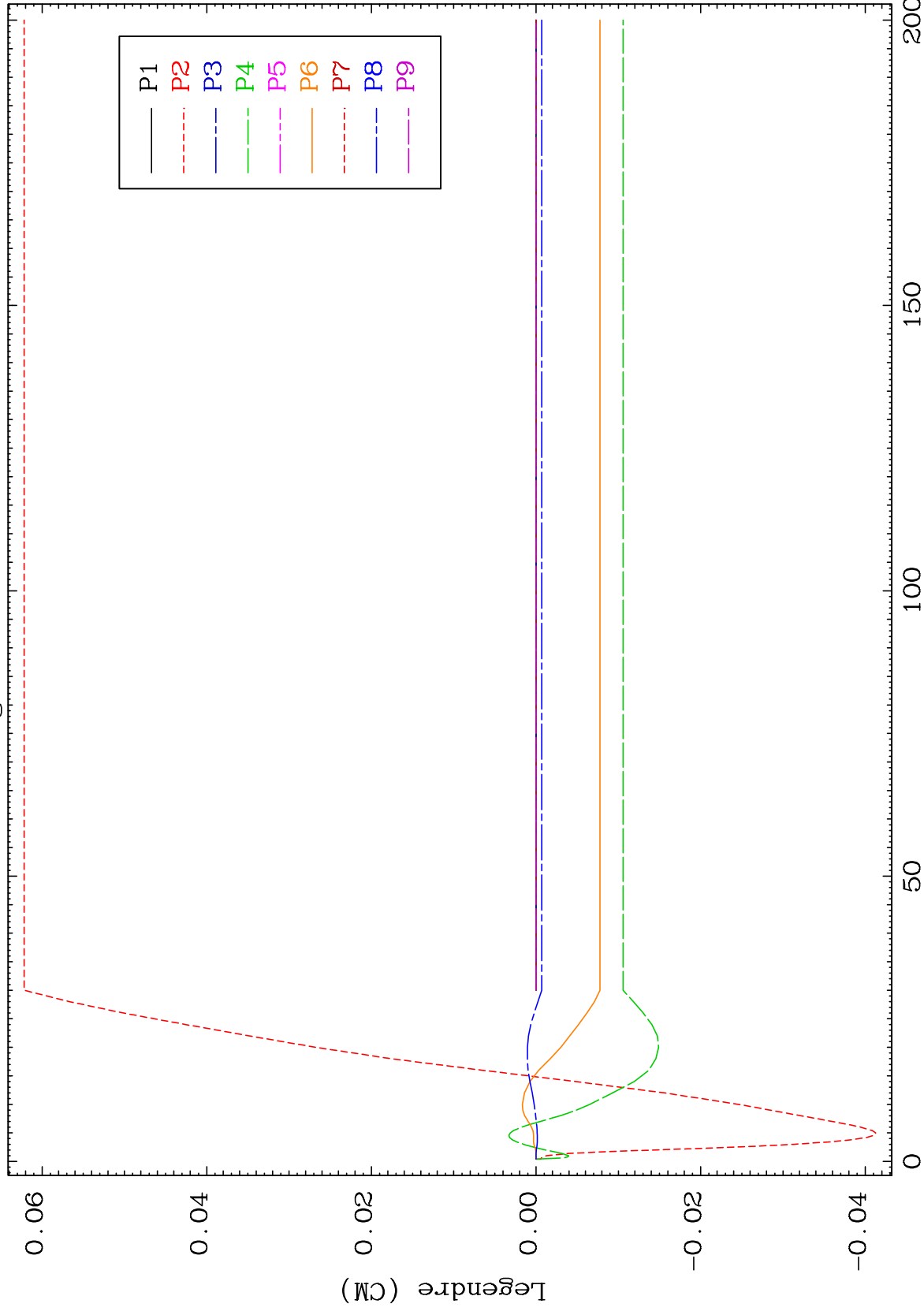
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



44

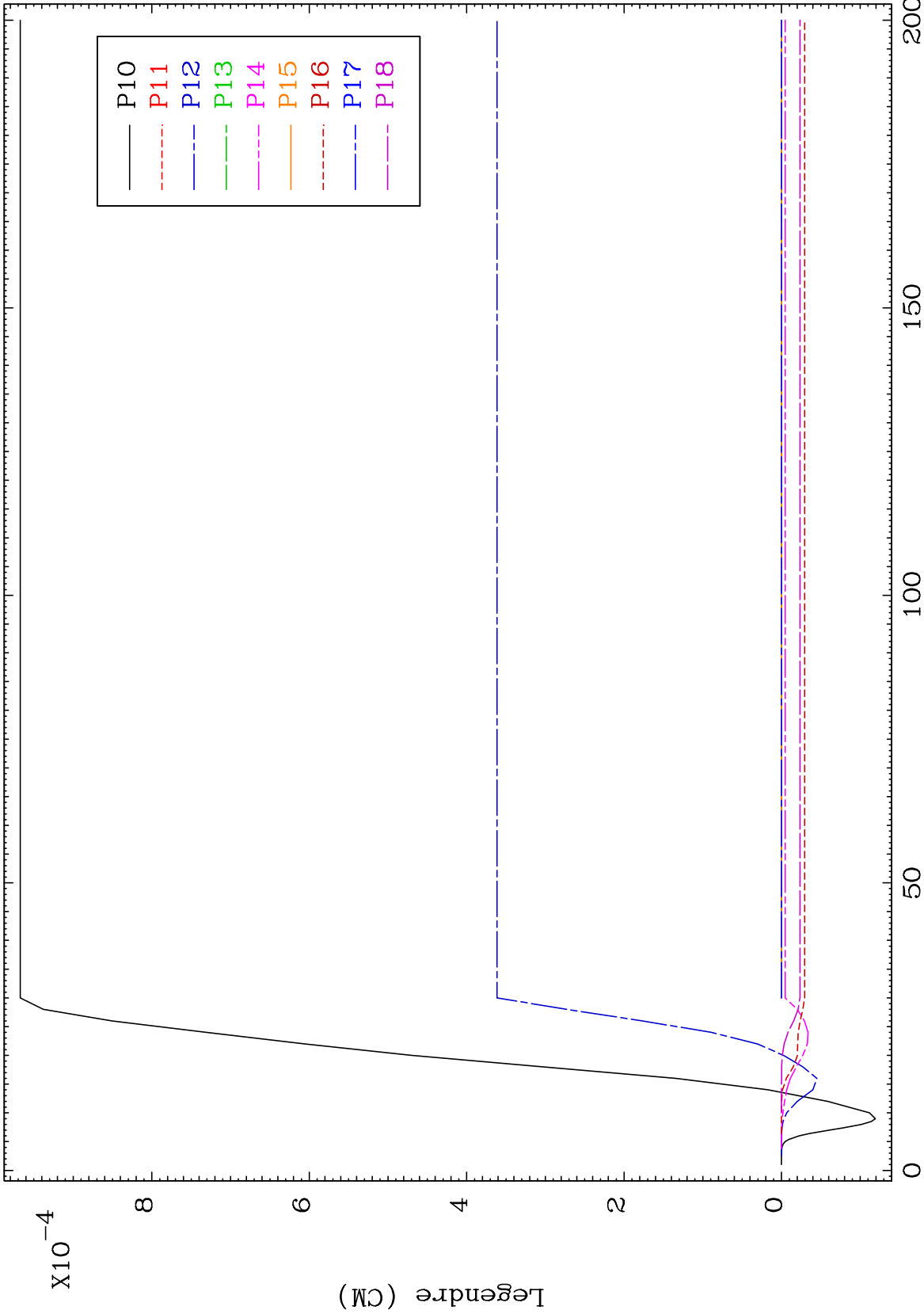
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140

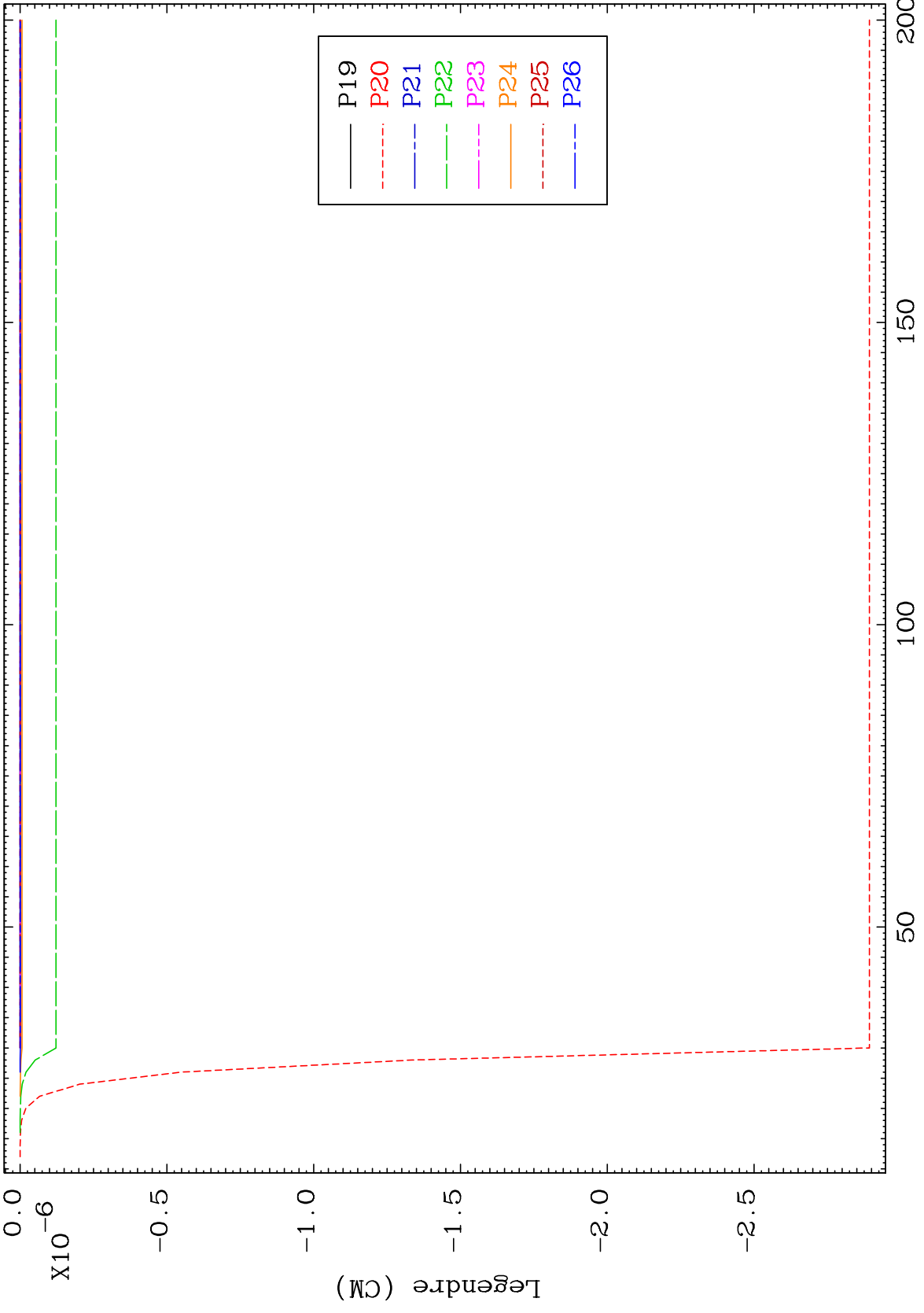


45

Incident Energy (MeV)

59-Pr-140

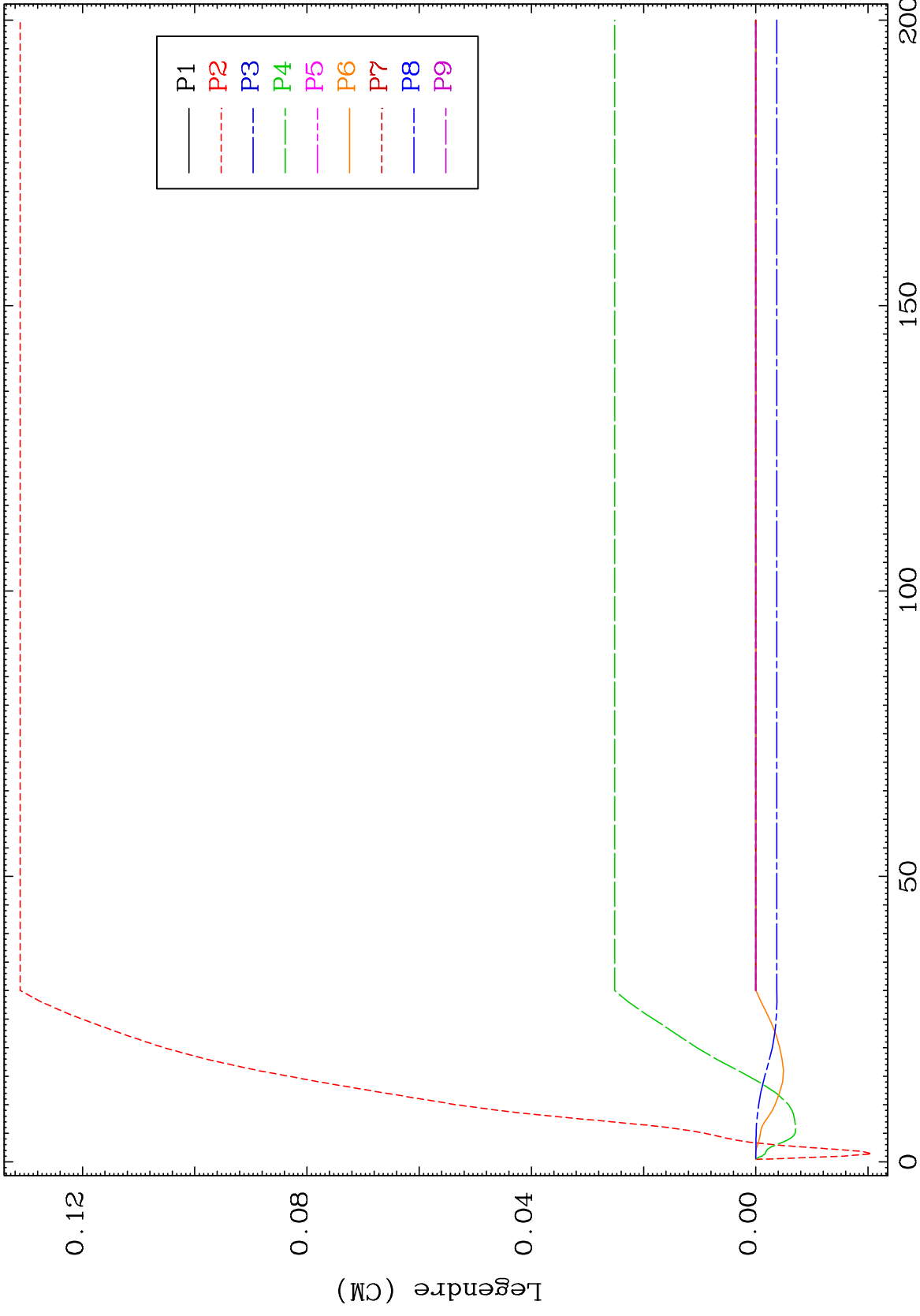
MAT 5922 MT= 58 (n,n') Level Legendre Coefficients 59-Pr-140



MAT 5922

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

59-Pr-140



47

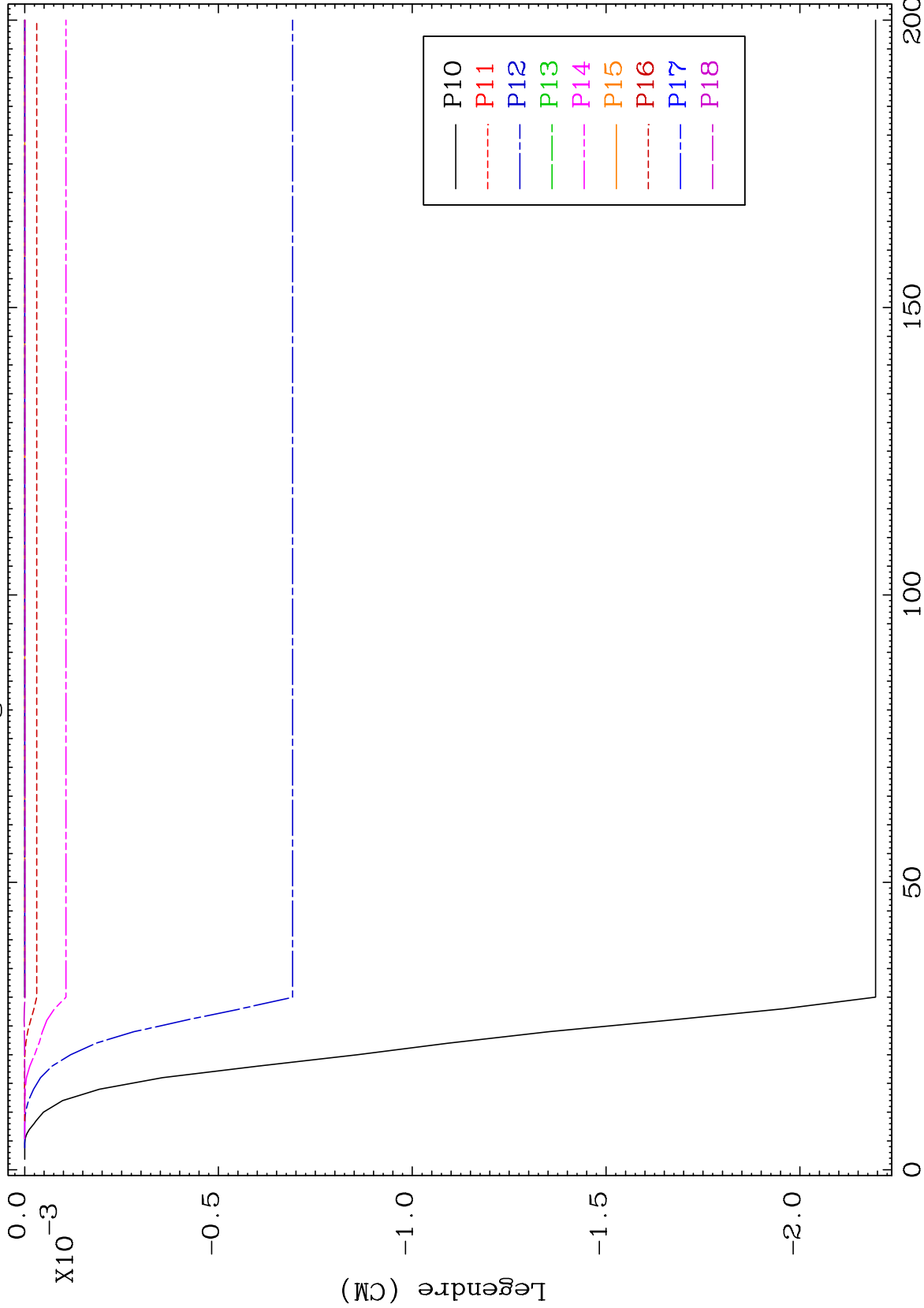
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



48

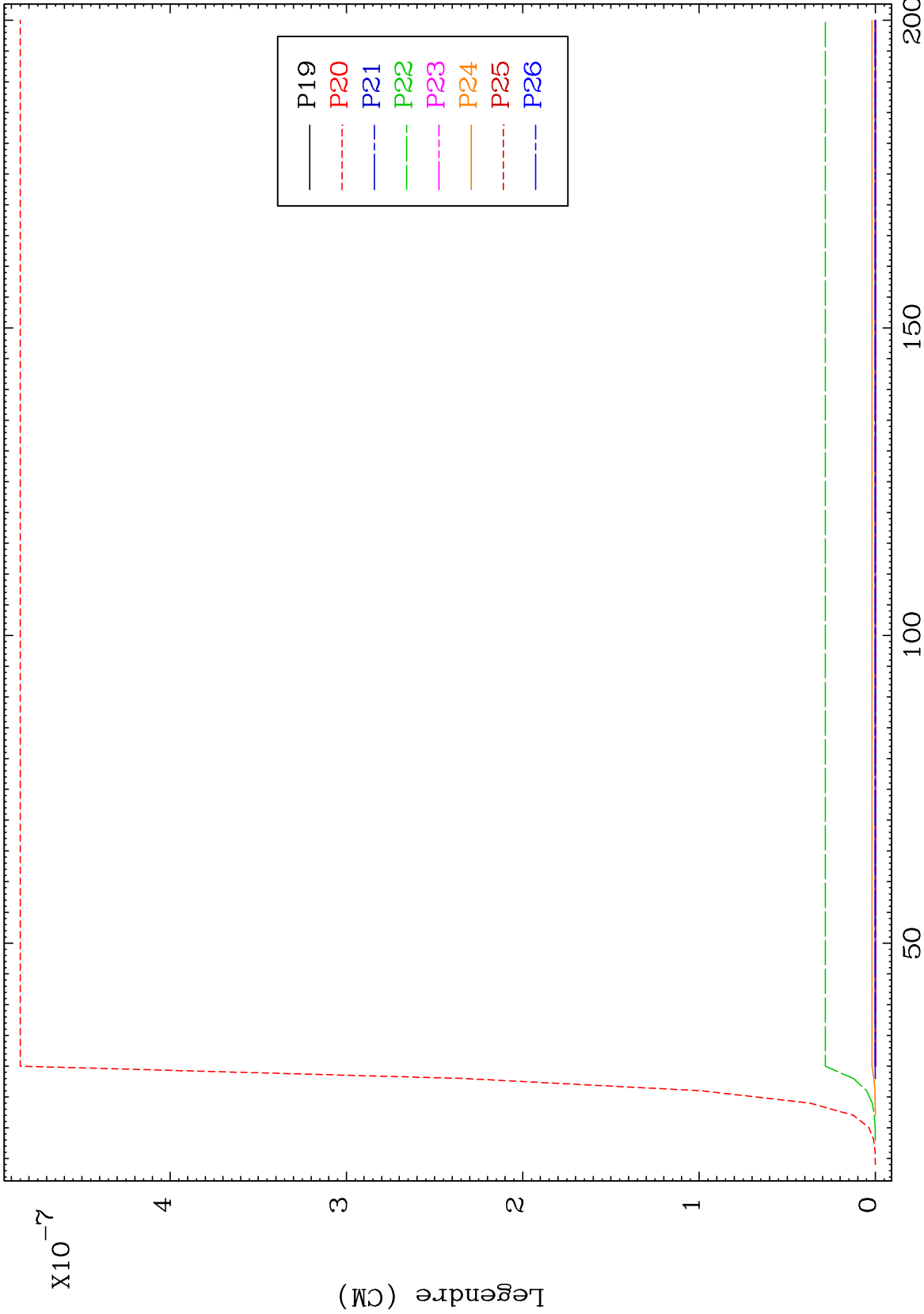
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



49

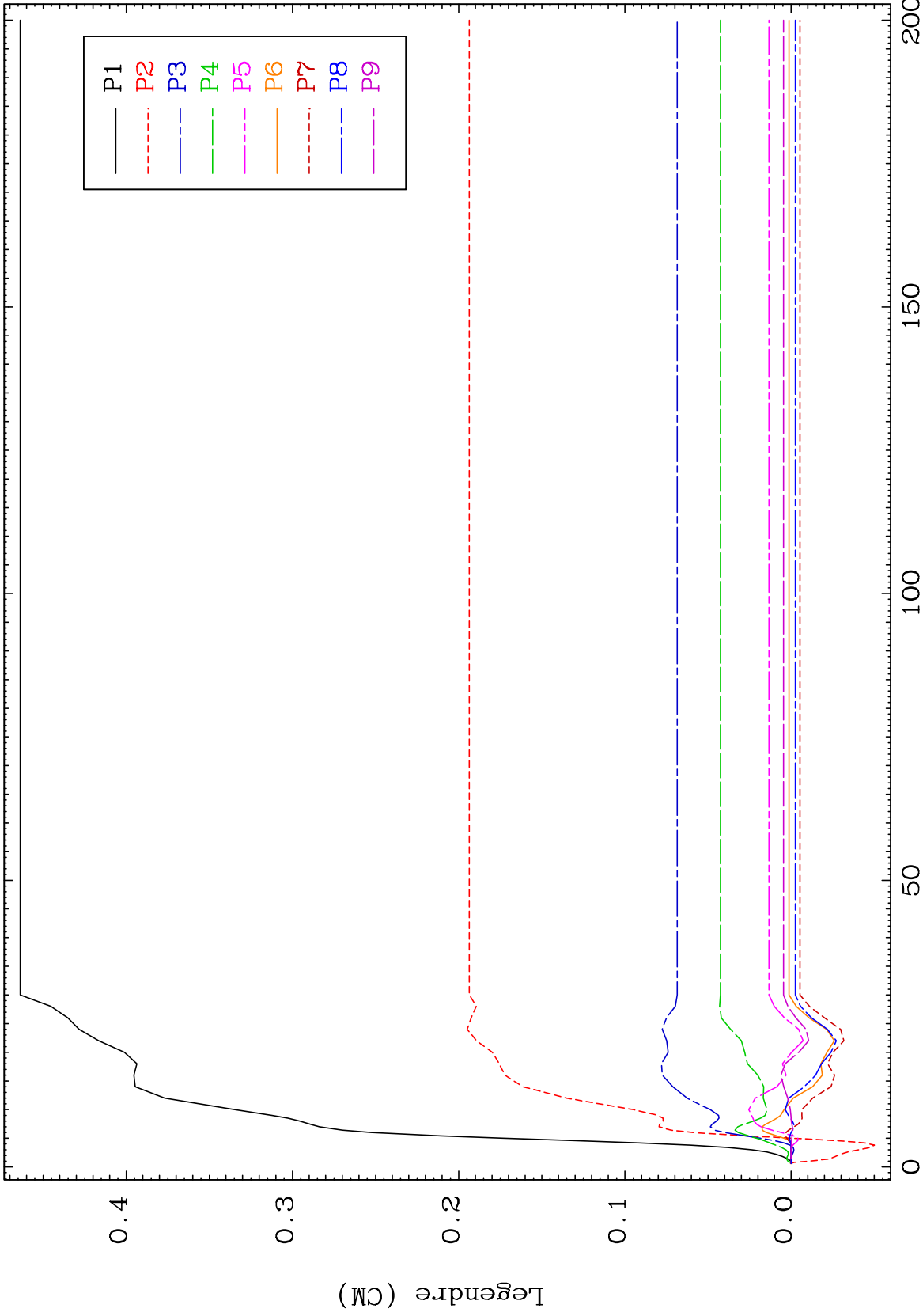
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140

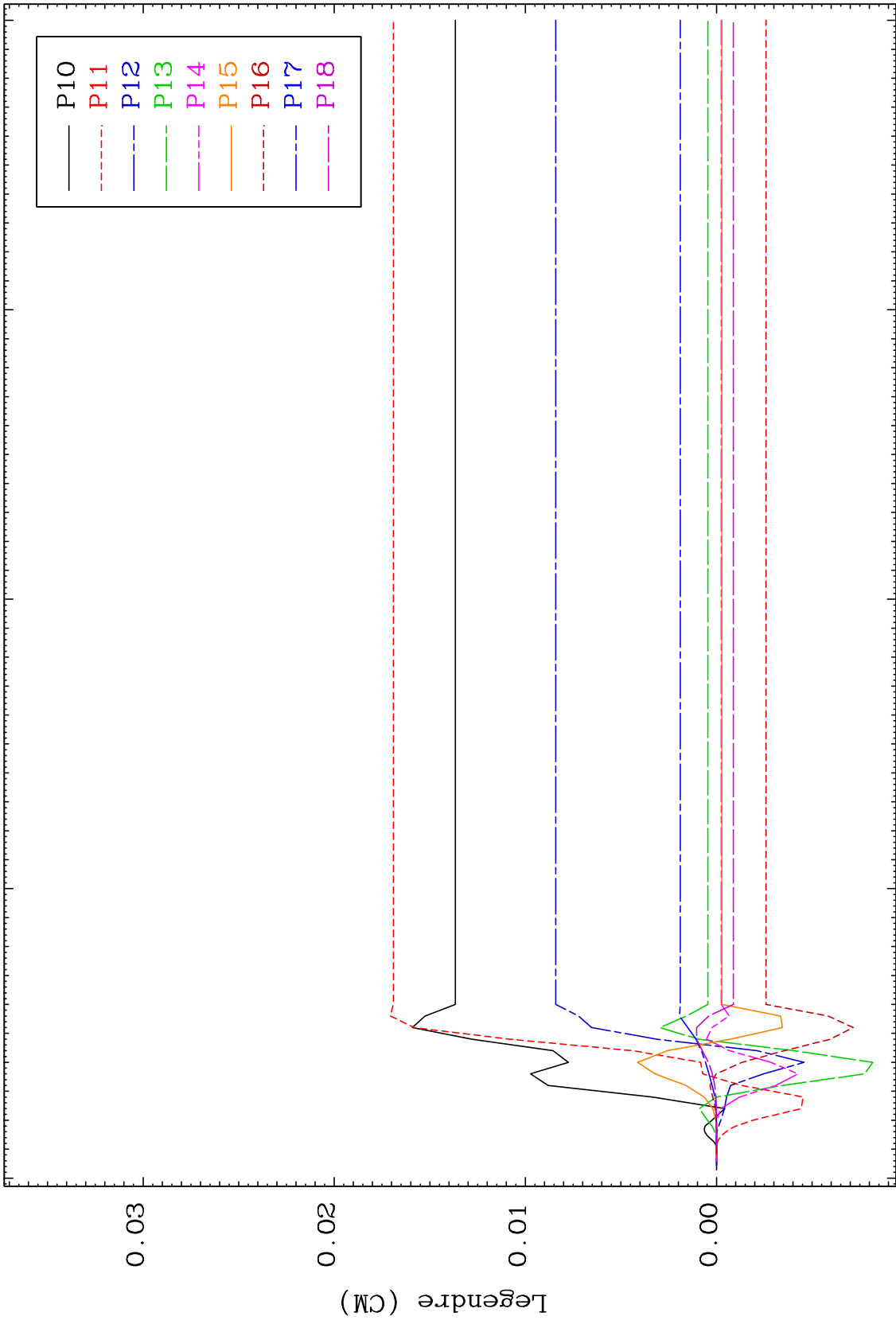


59-Pr-140

Incident Energy (MeV)

Legendre (CM)

MAT 5922 MT= 60 (n,n') Level Legendre Coefficients 59-Pr-140

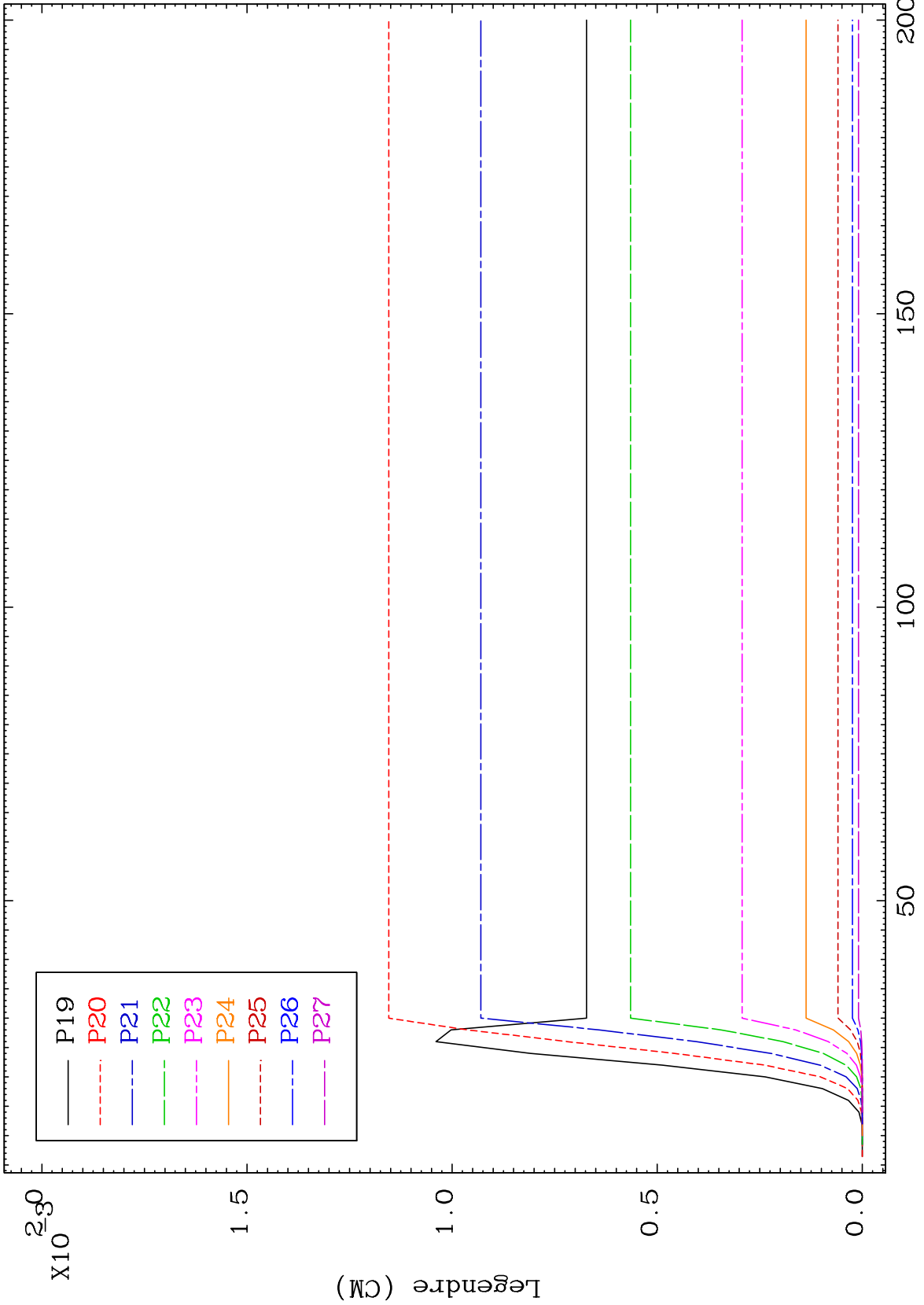


51 59-Pr-140

MAT 5922

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

59-Pr-140



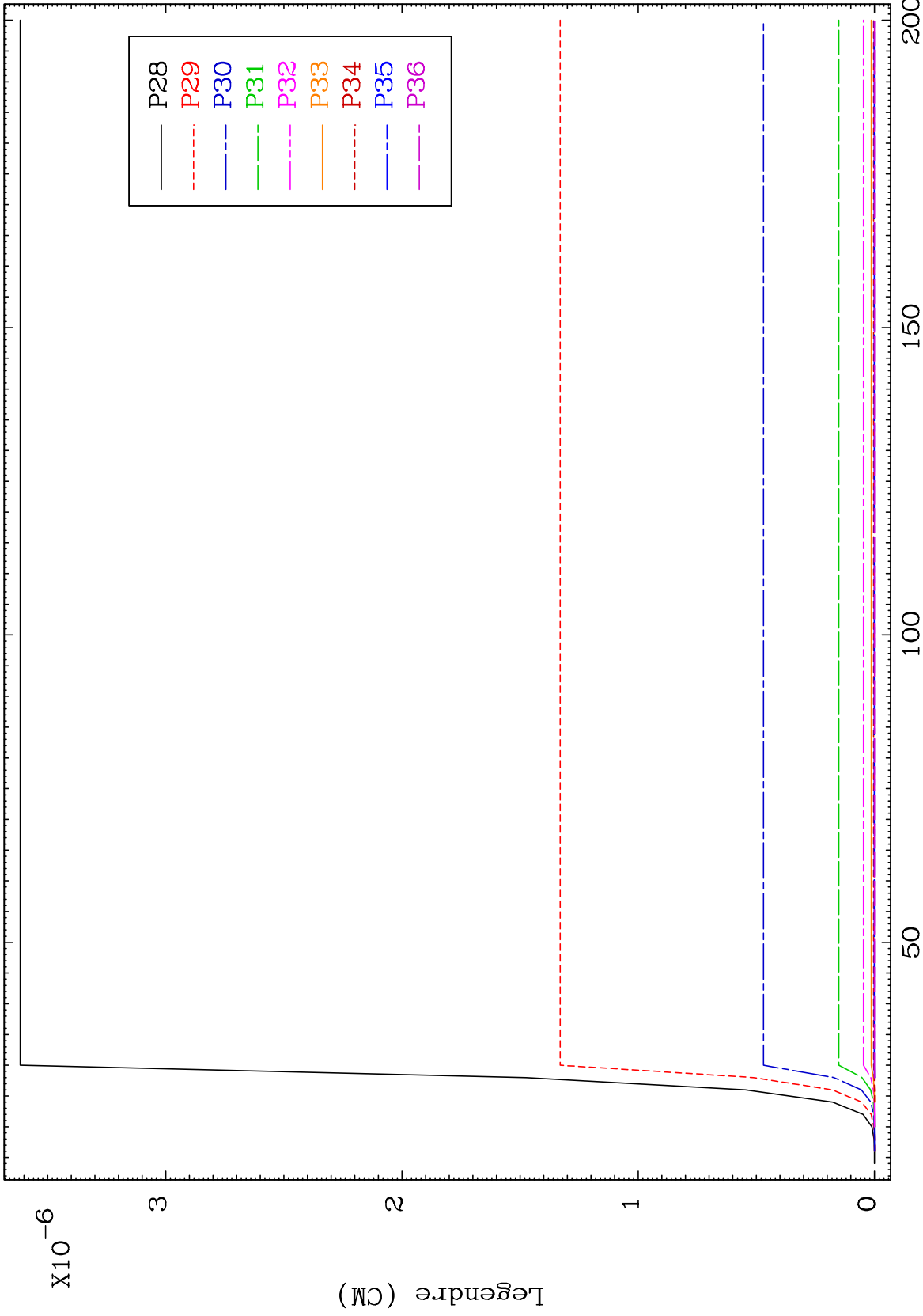
52

59-Pr-140

MAT 5922

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

59-Pr-140

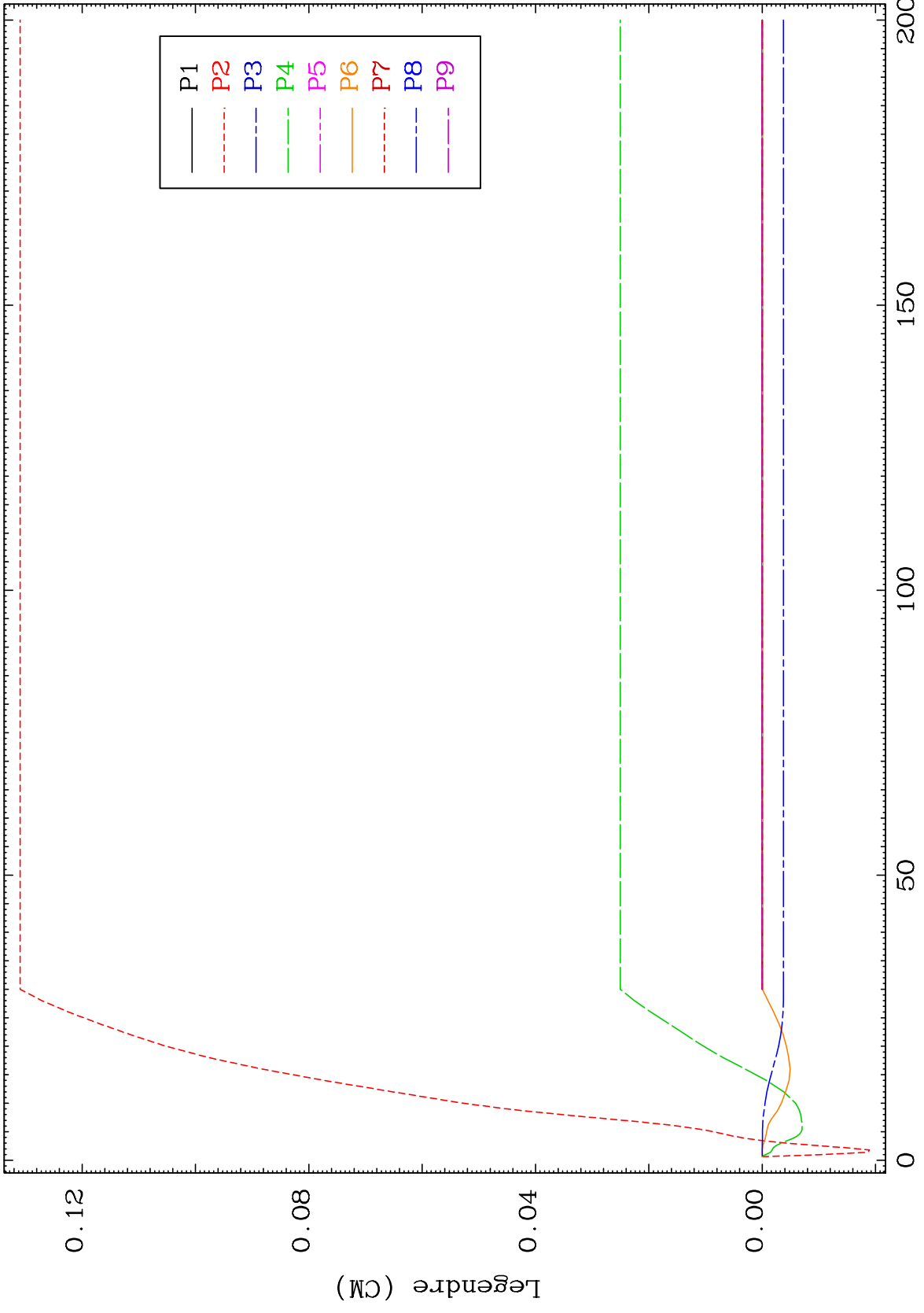


53

Incident Energy (MeV)

59-Pr-140

MAT 5922 MT= 61 (n,n') Level Legendre Coefficients 59-Pr-140

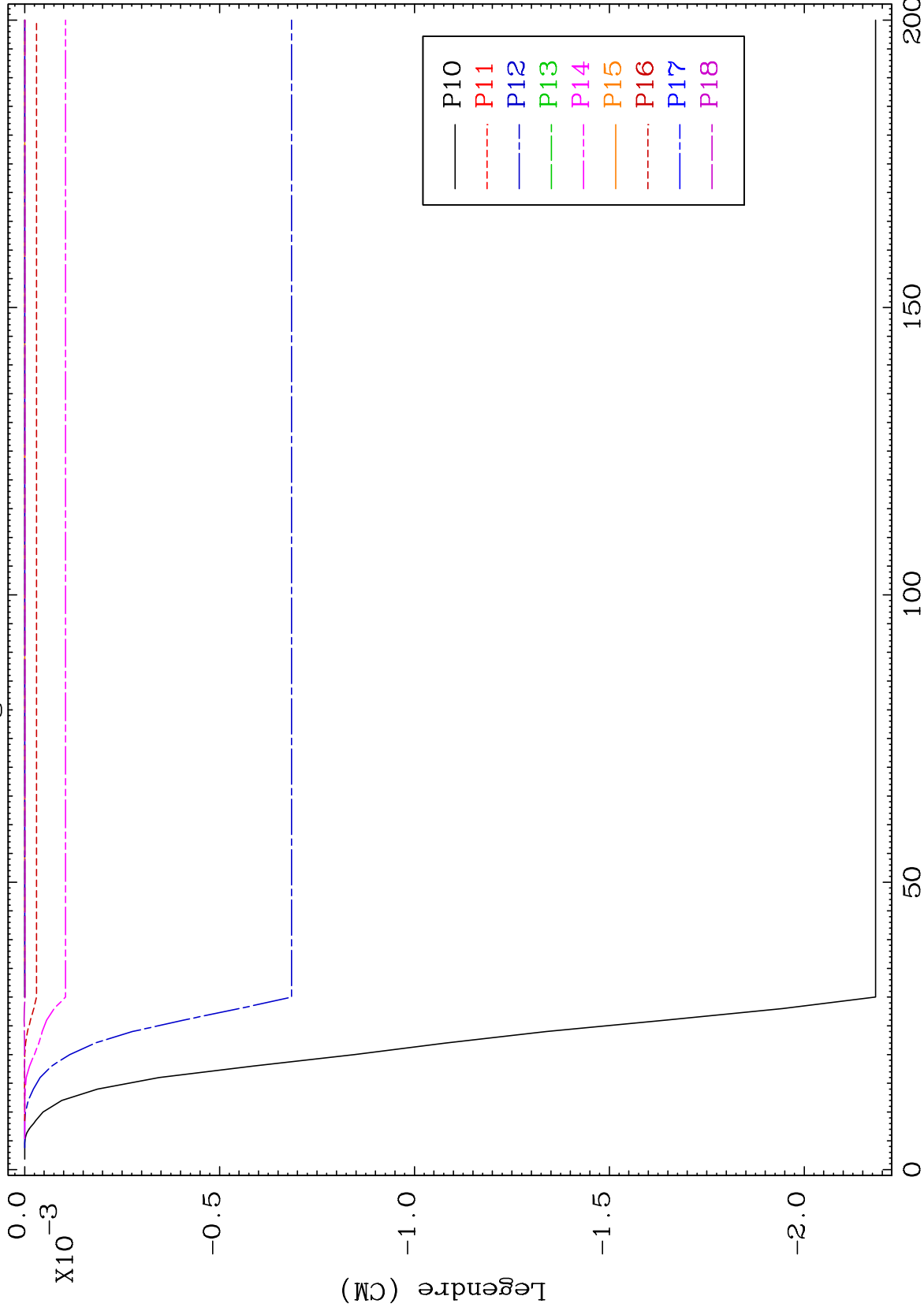


54 59-Pr-140

MAT 5922

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

59-Pr-140



55

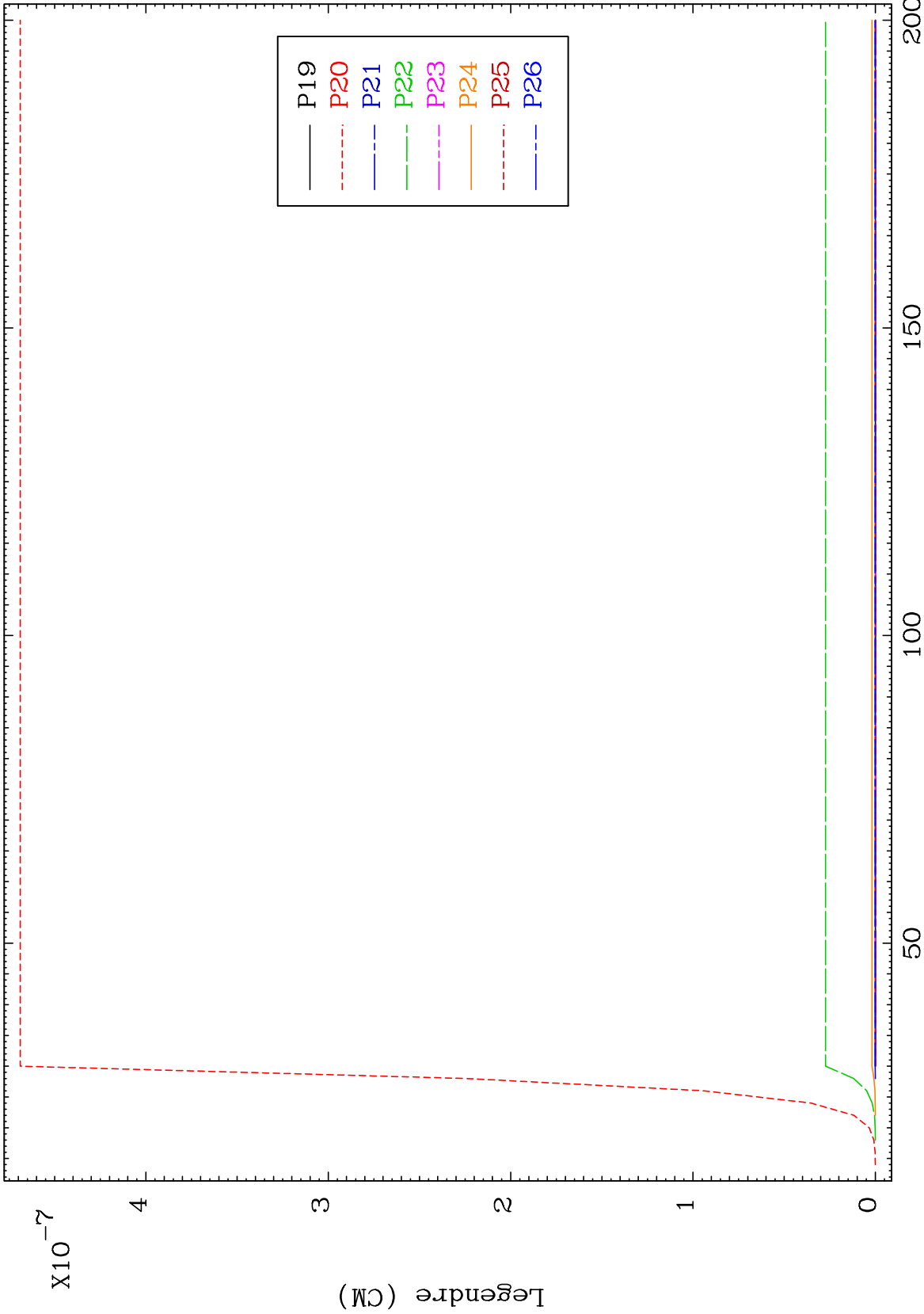
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140

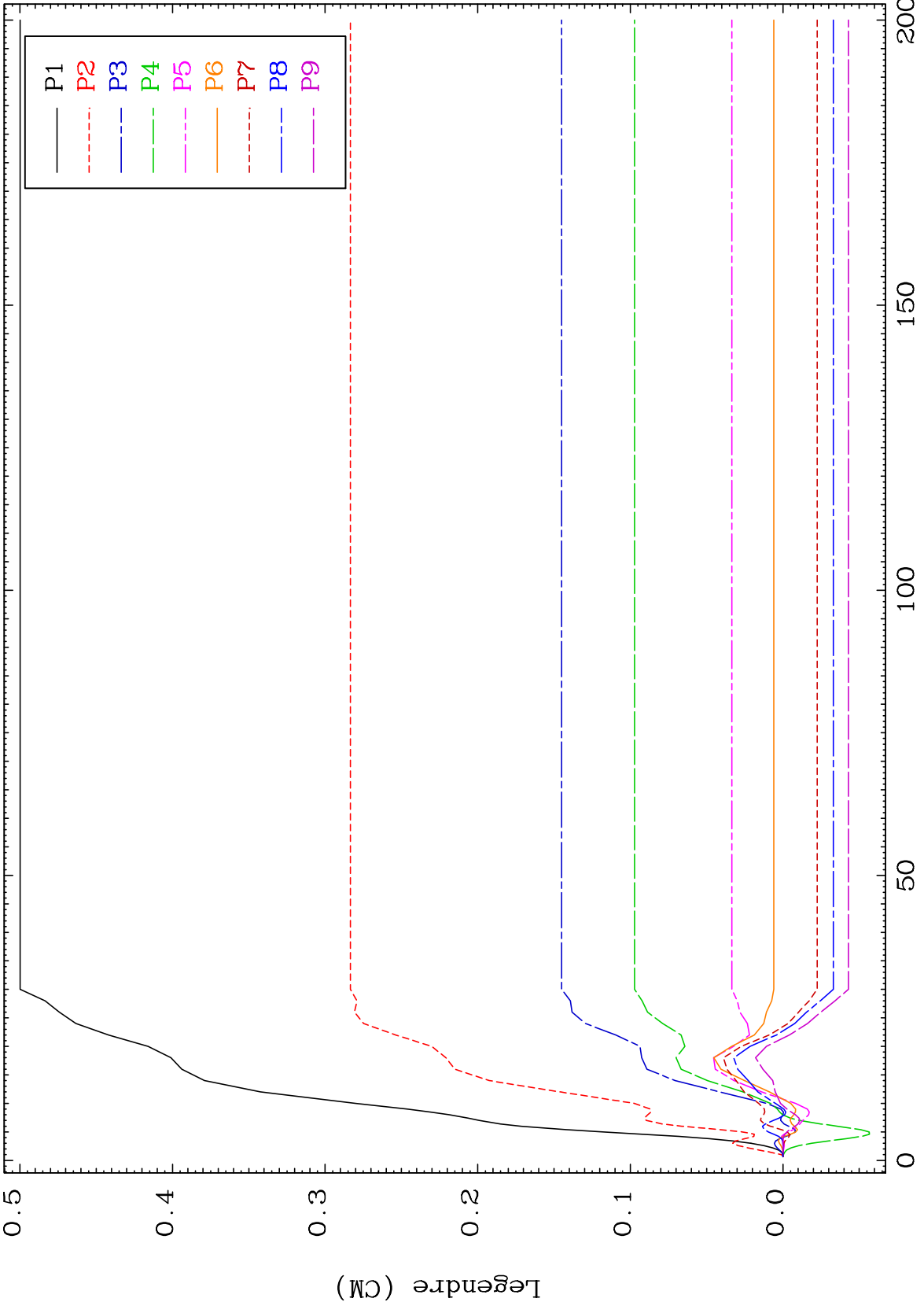


56

Incident Energy (MeV)

59-Pr-140

MAT 5922 MT= 62 (n,n') Level Legendre Coefficients 59-Pr-140

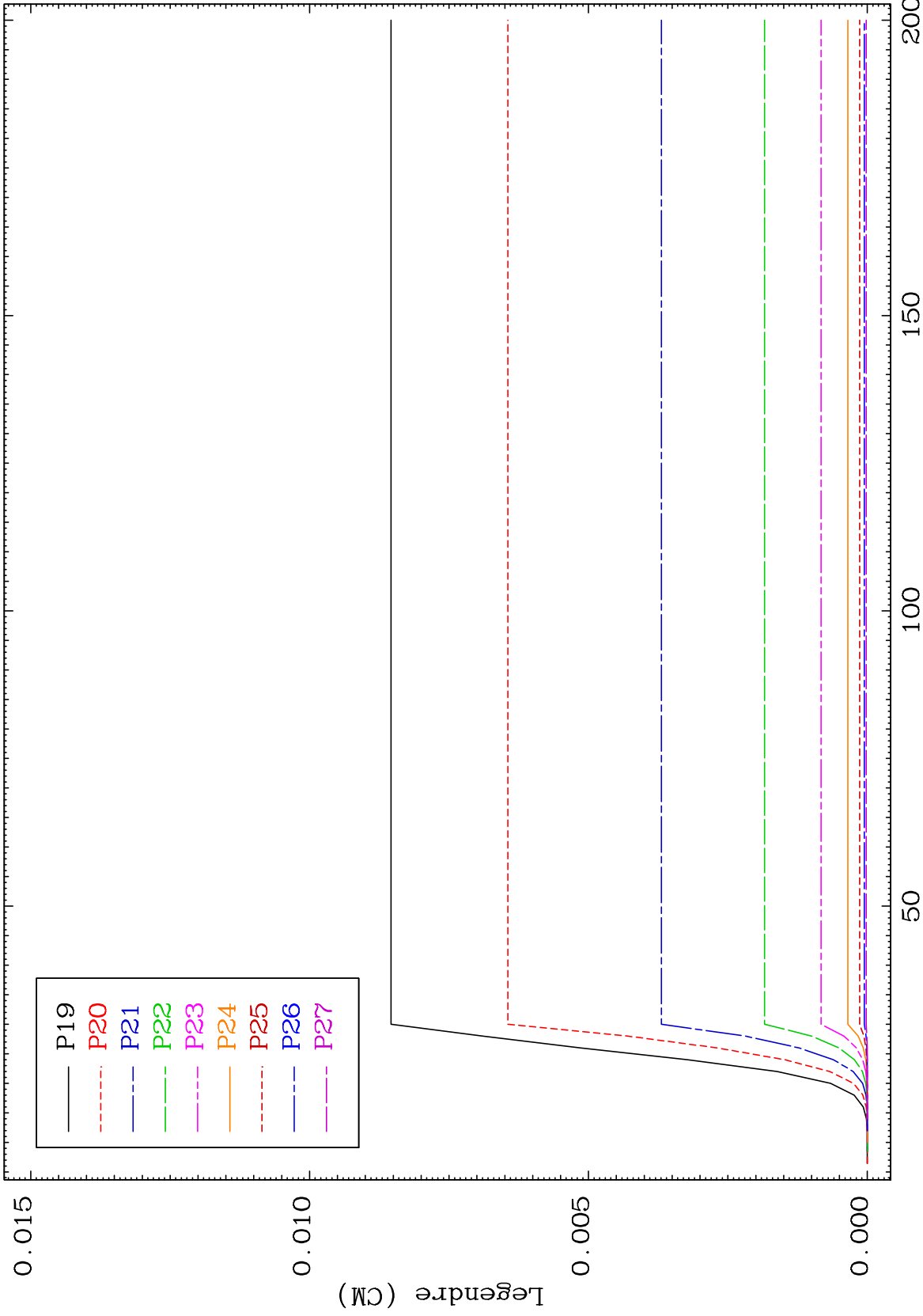


57 59-Pr-140

MAT 5922

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

59-Pr-140



59

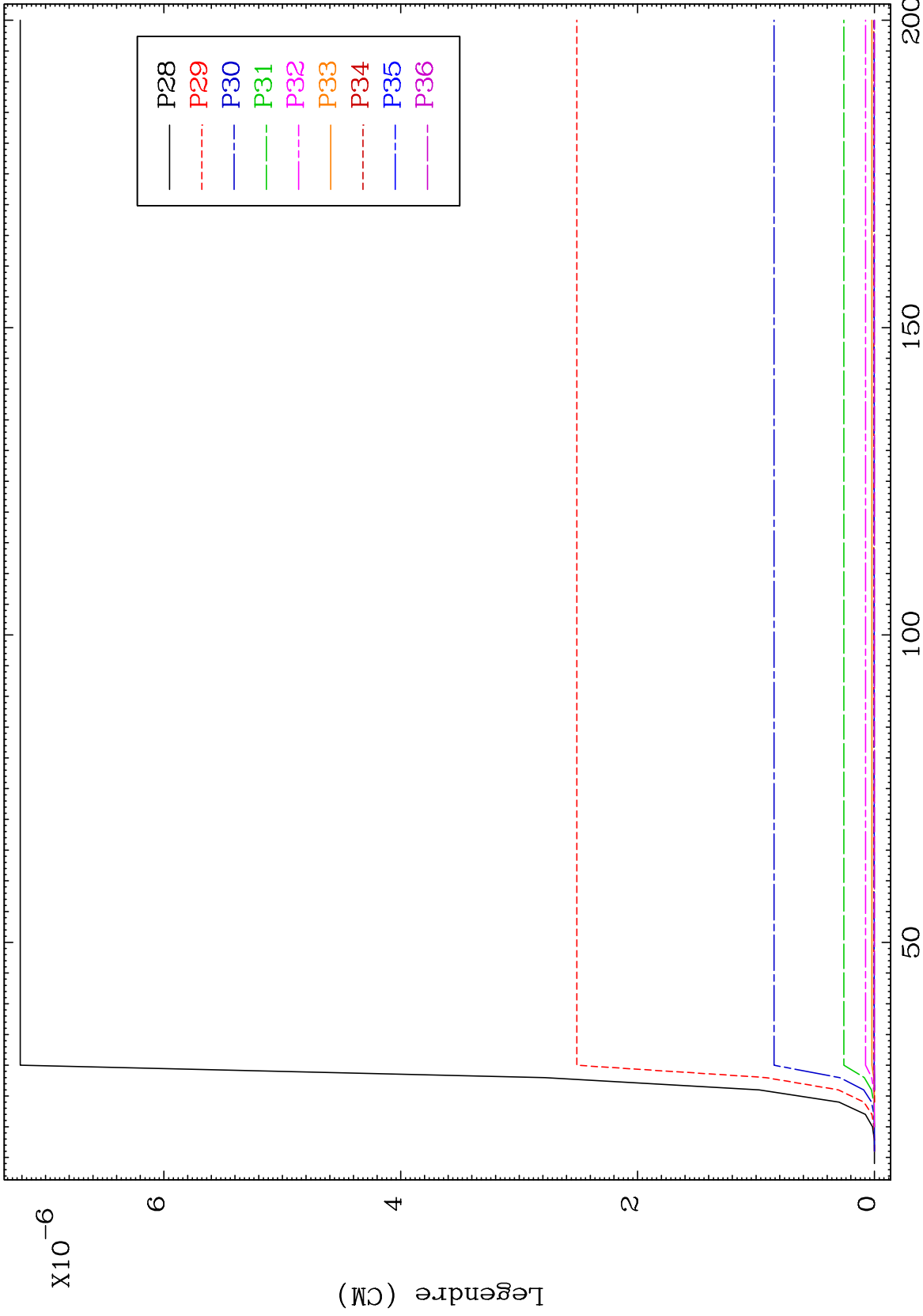
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



60

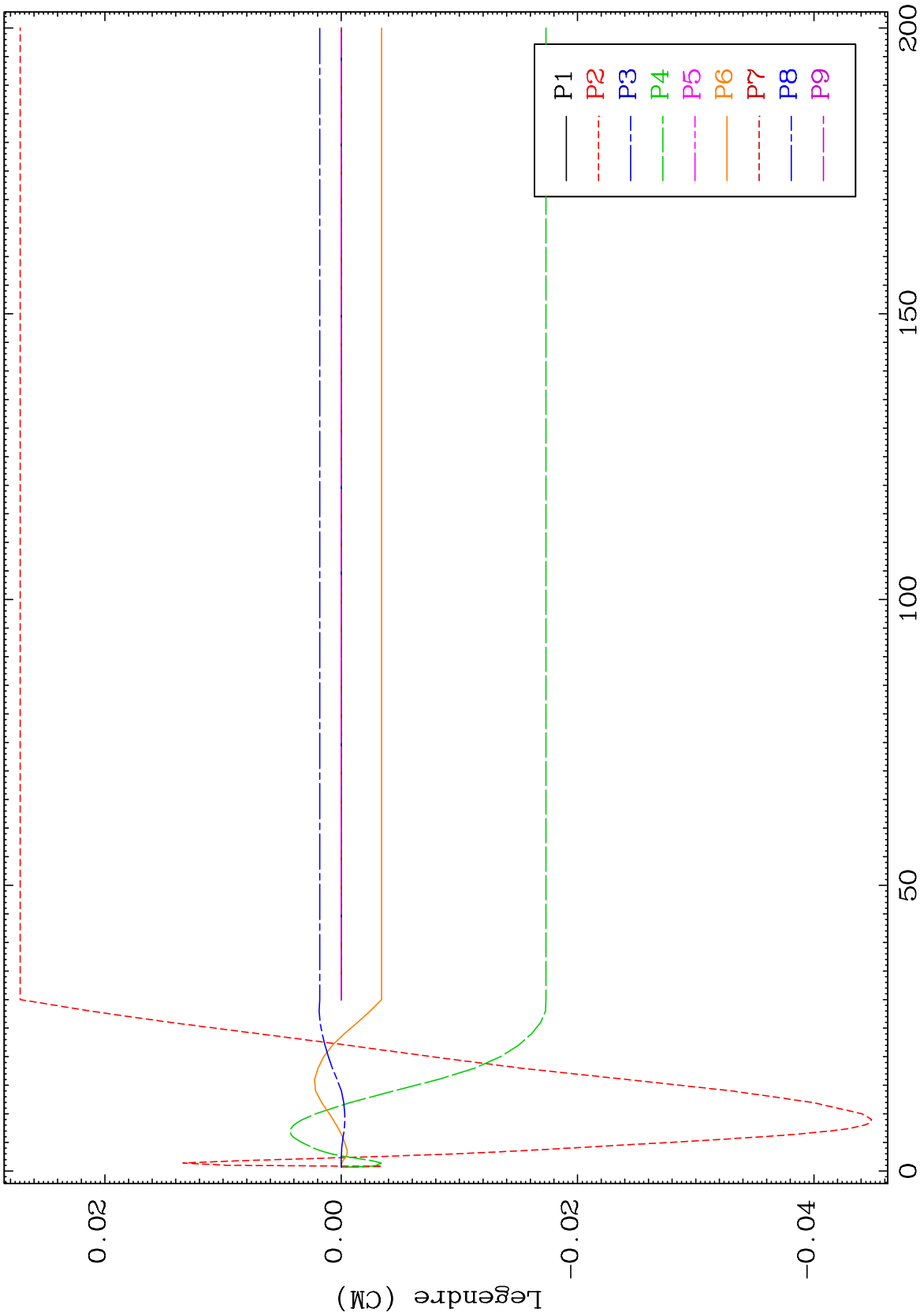
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



61

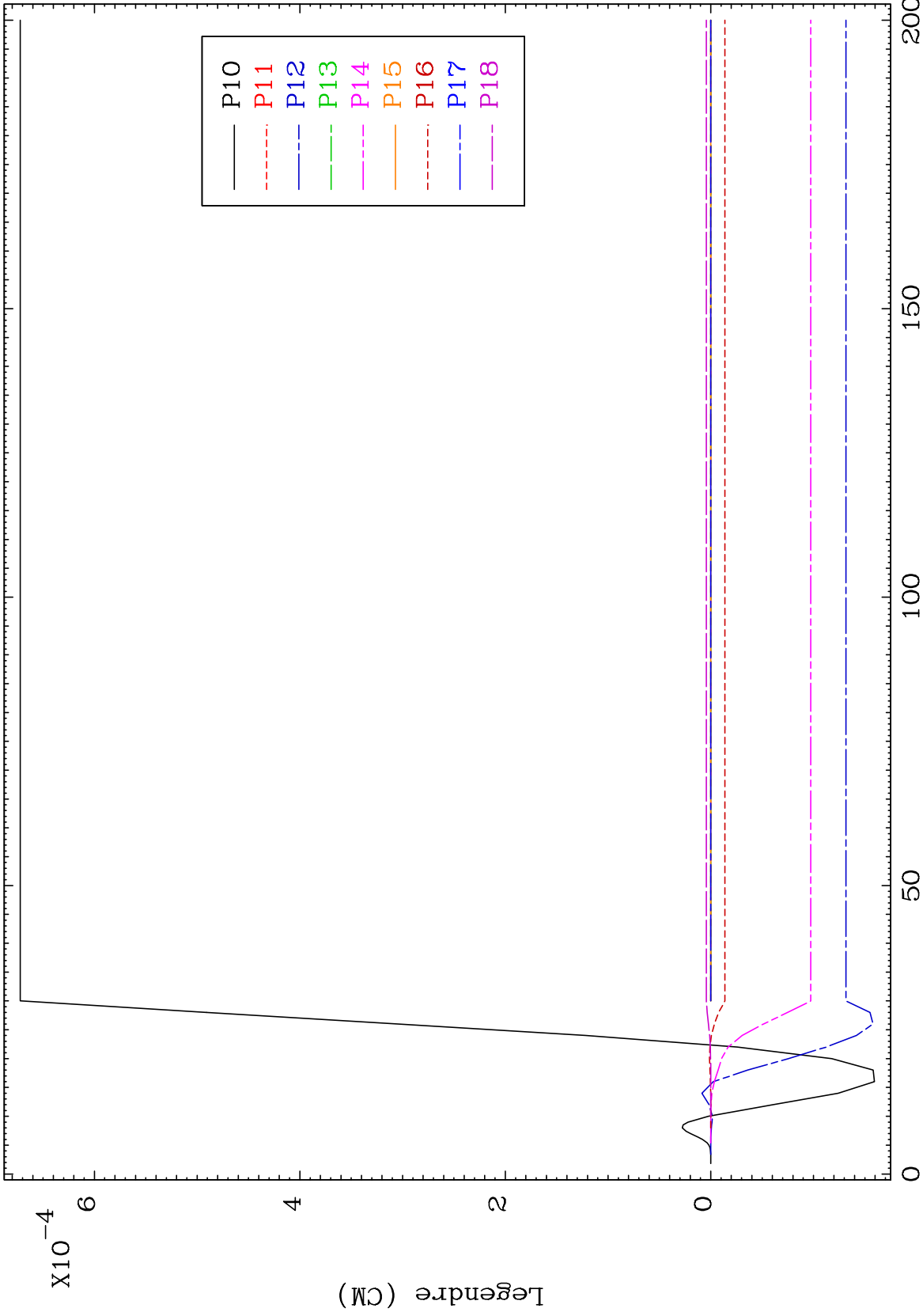
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



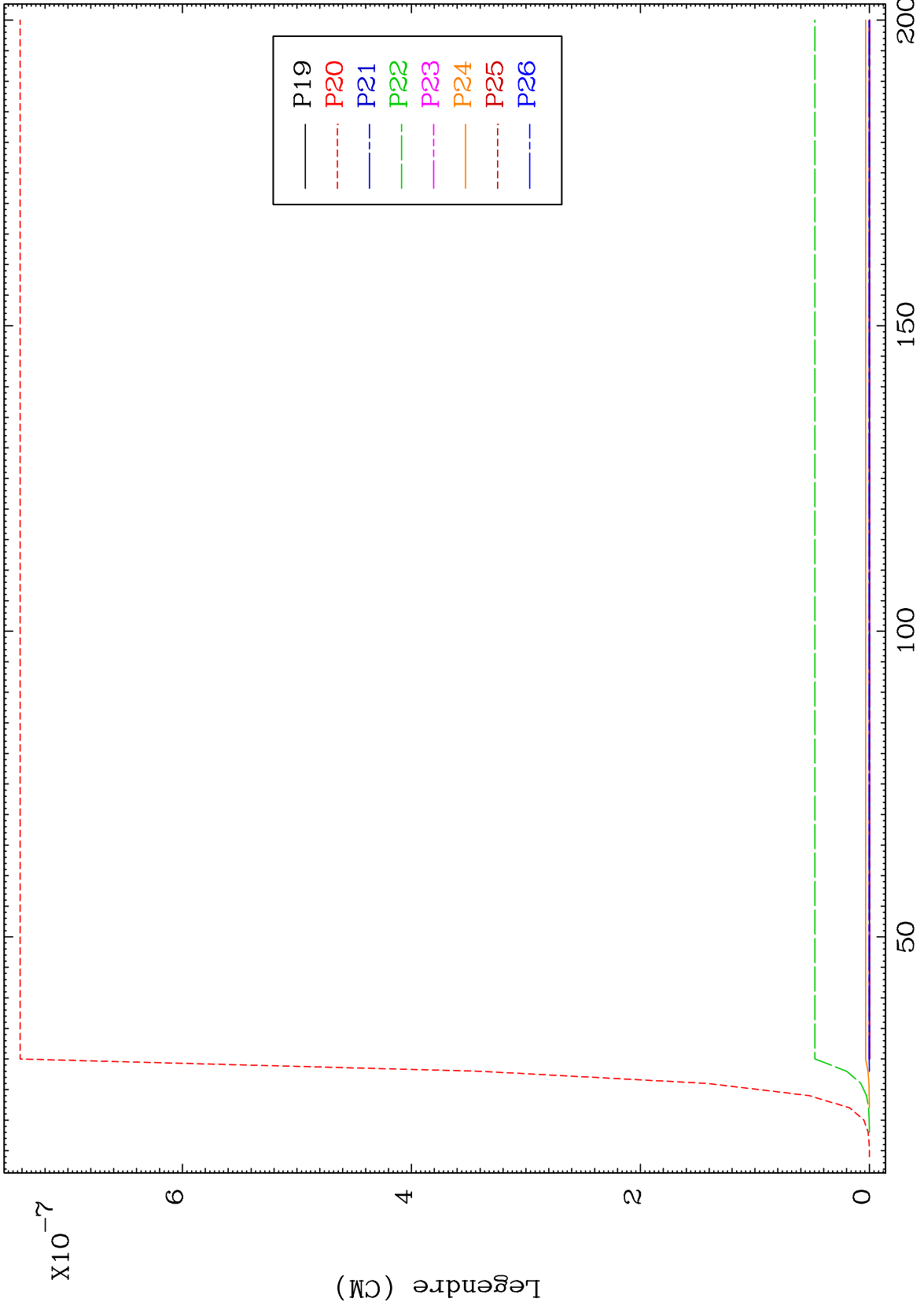
62

59-Pr-140

MAT 5922

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

59-Pr-140



63

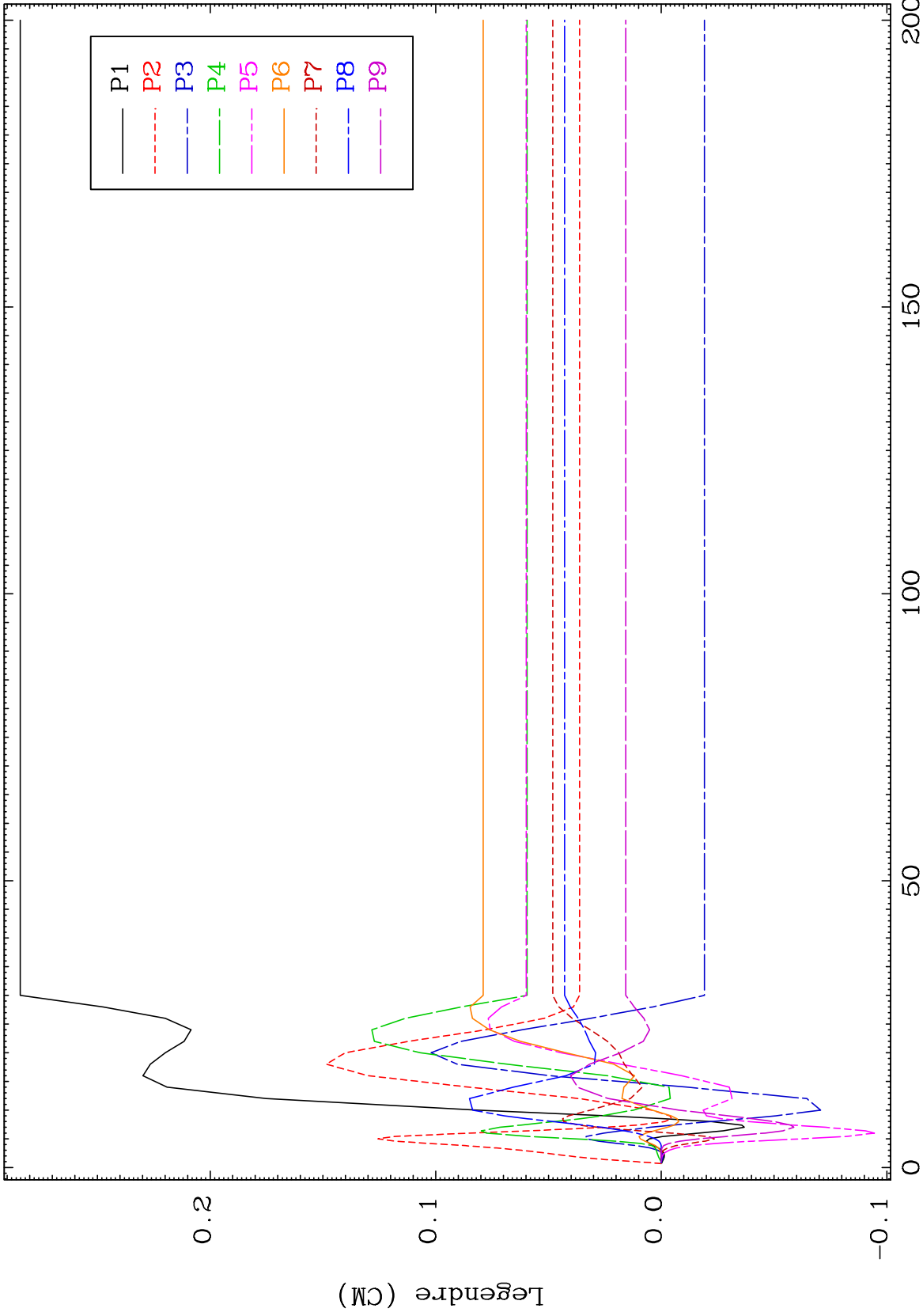
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



64

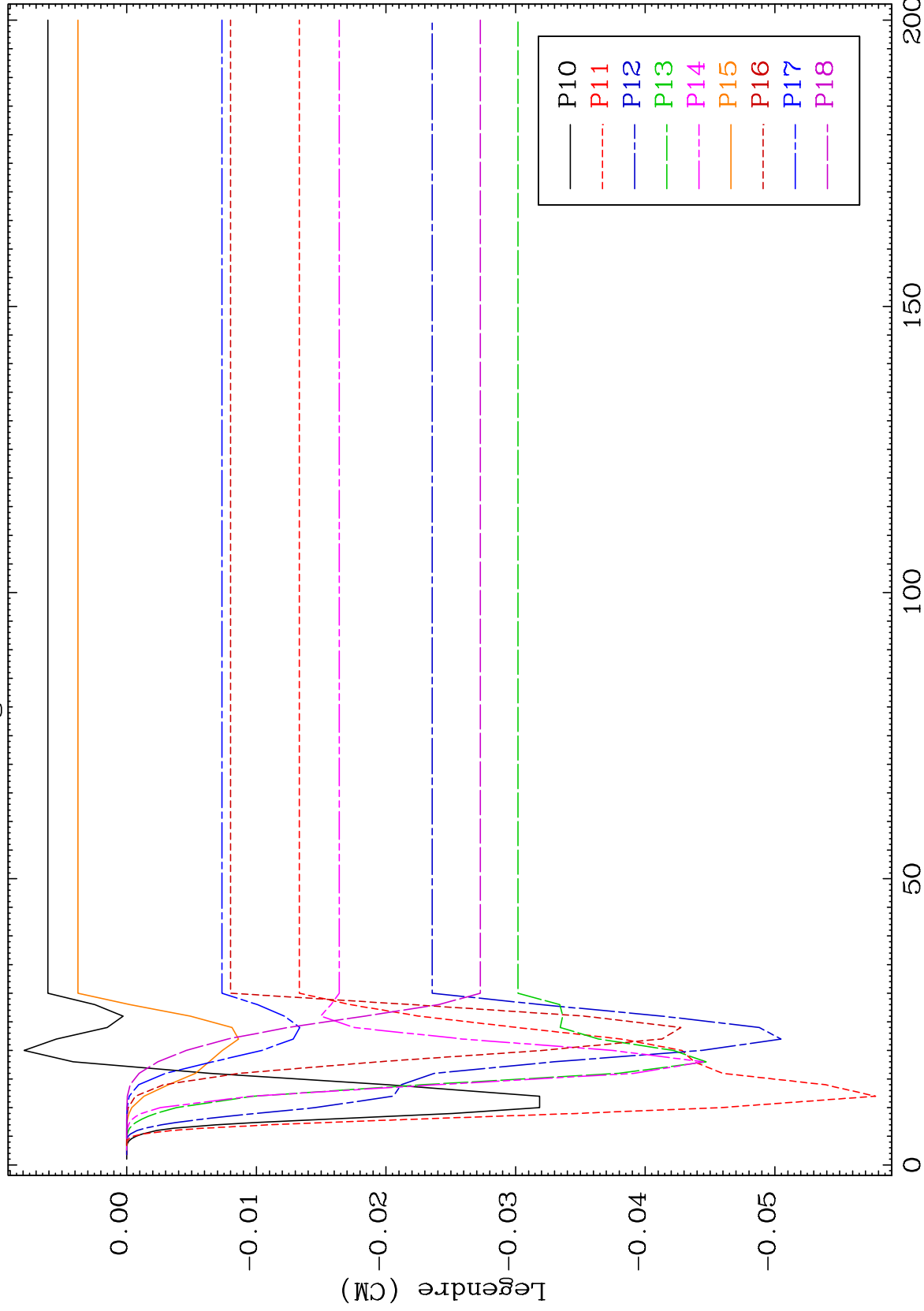
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140

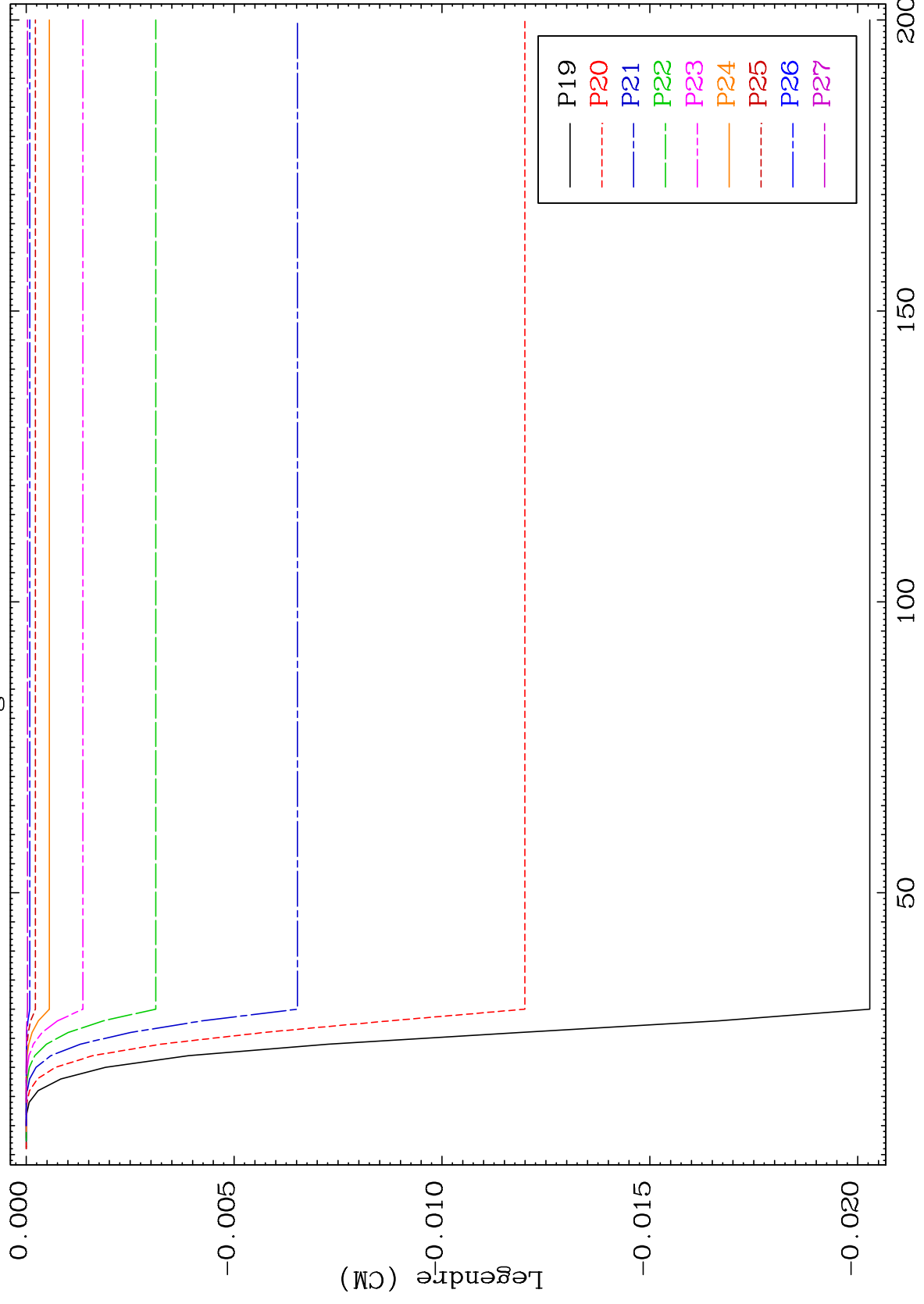


65

Incident Energy (MeV)

59-Pr-140

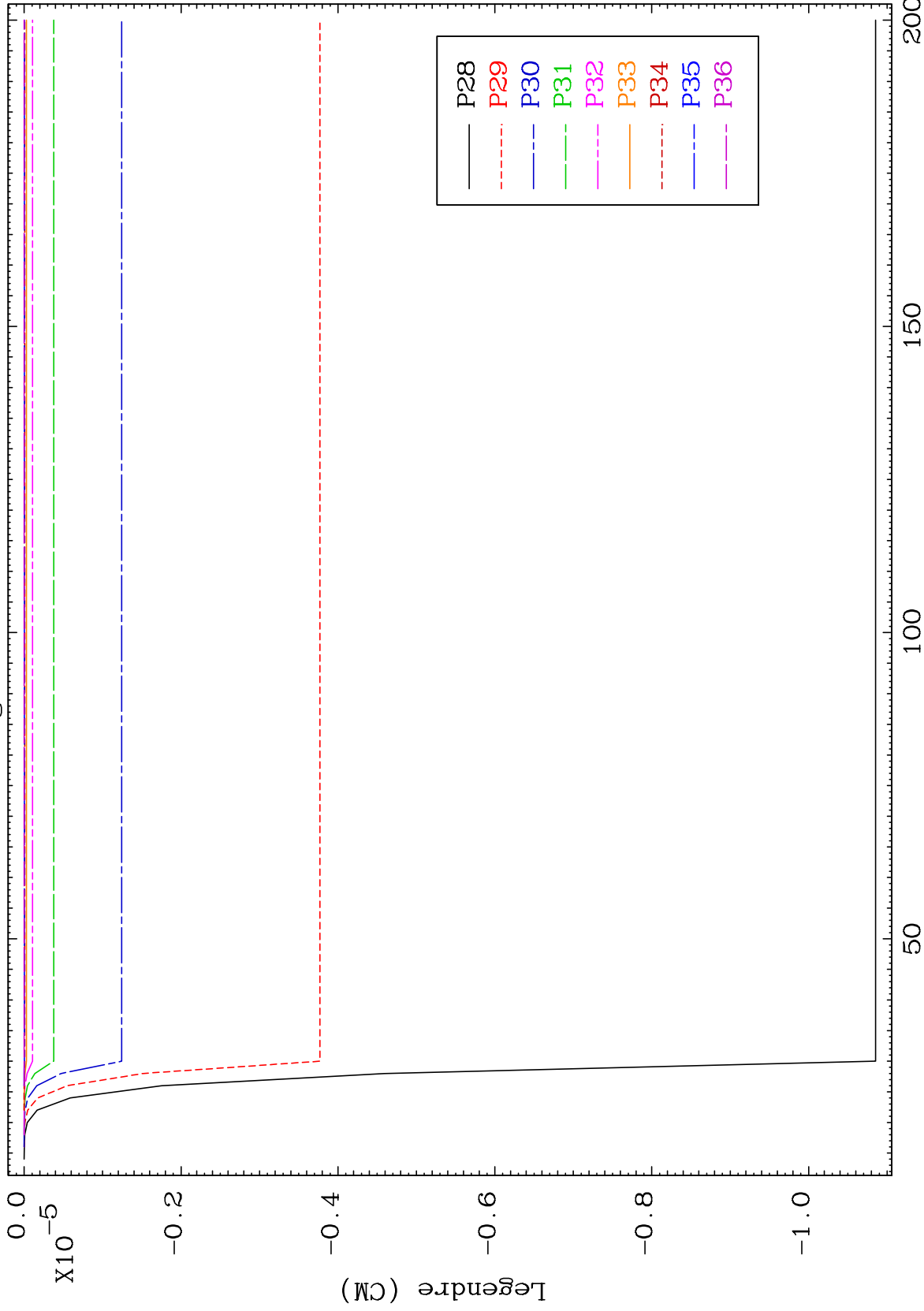
MAT 5922 MT= 64 (n,n') Level Legendre Coefficients 59-Pr-140



MAT 5922

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

59-Pr-140



67

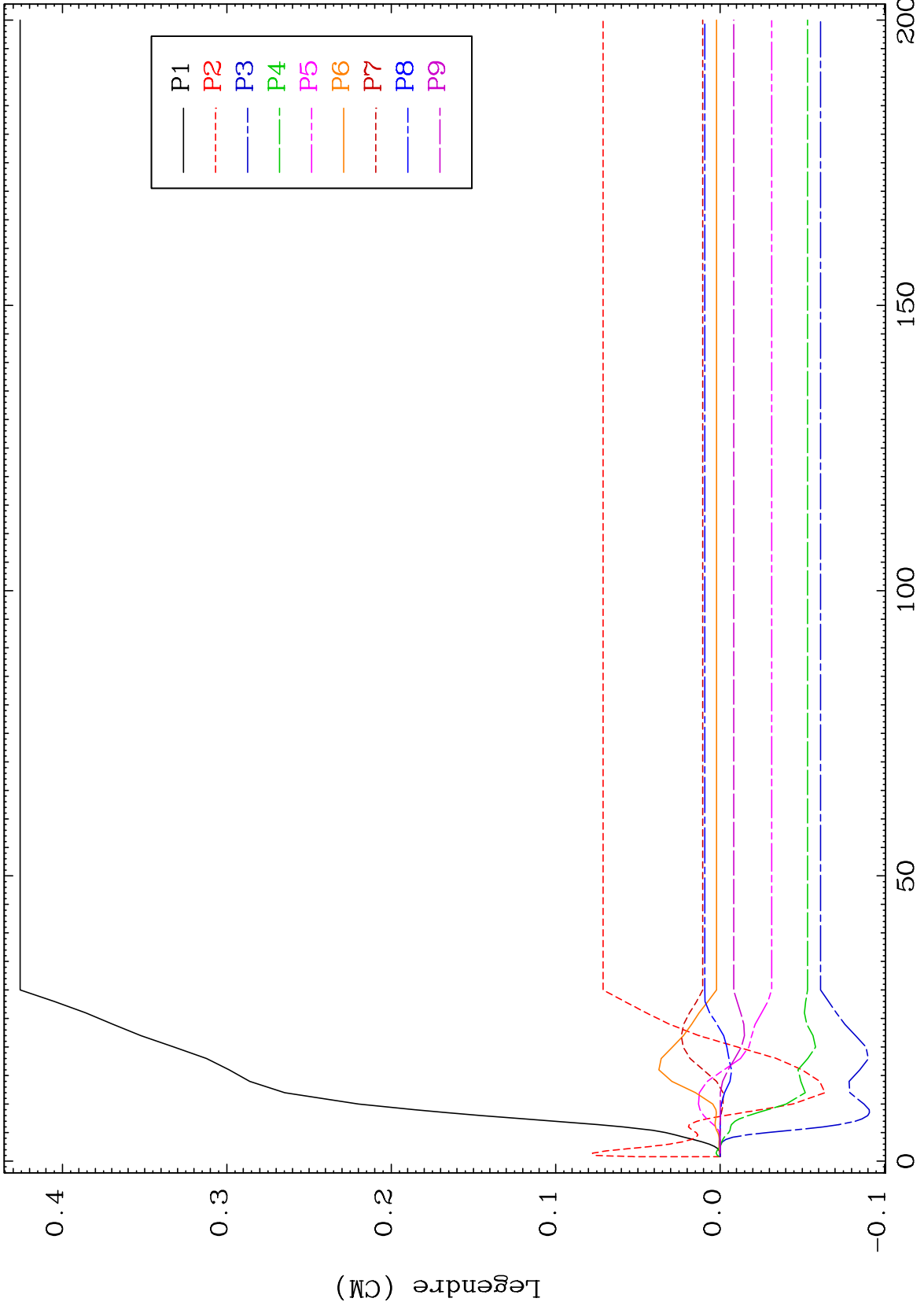
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



68

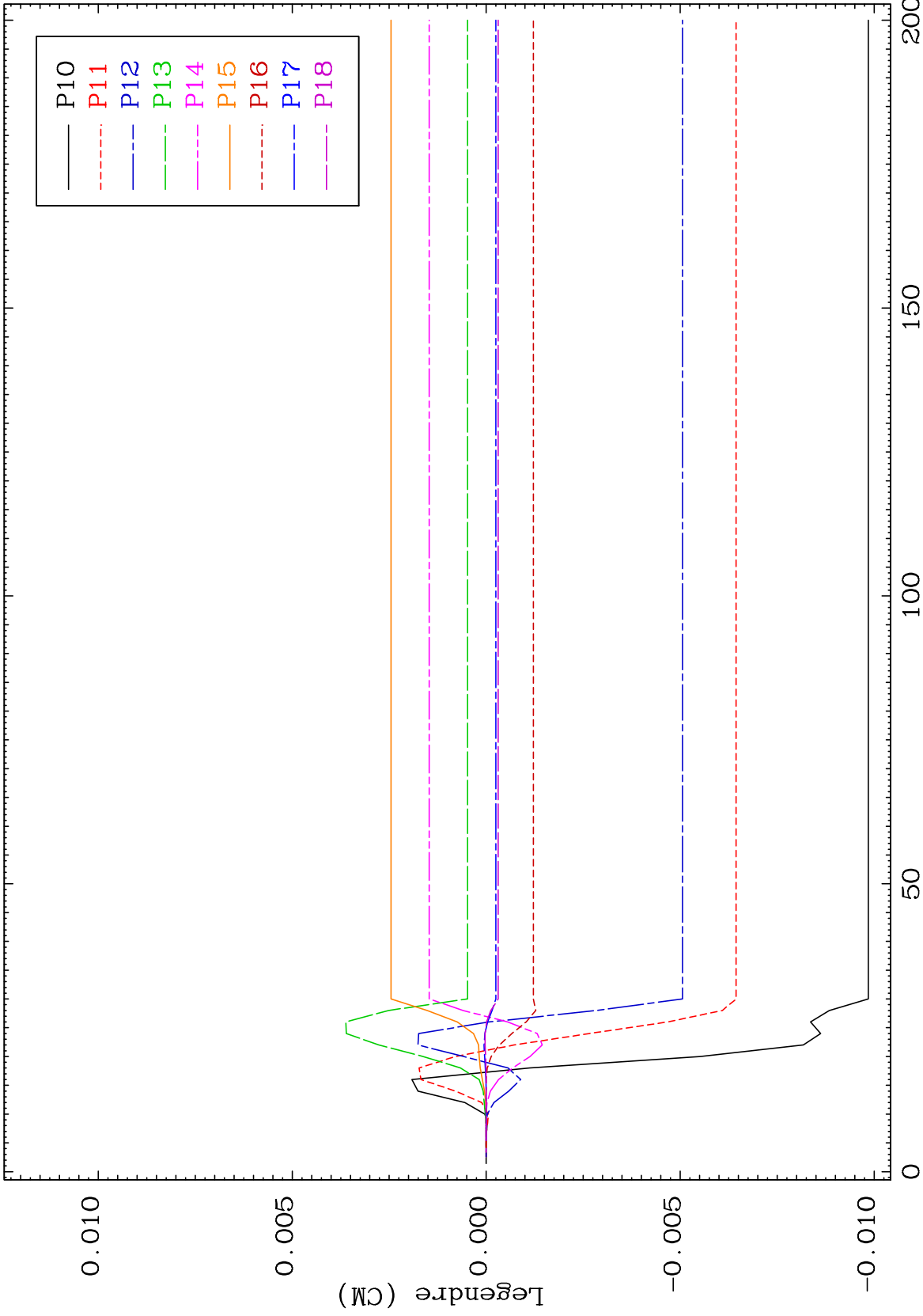
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



69

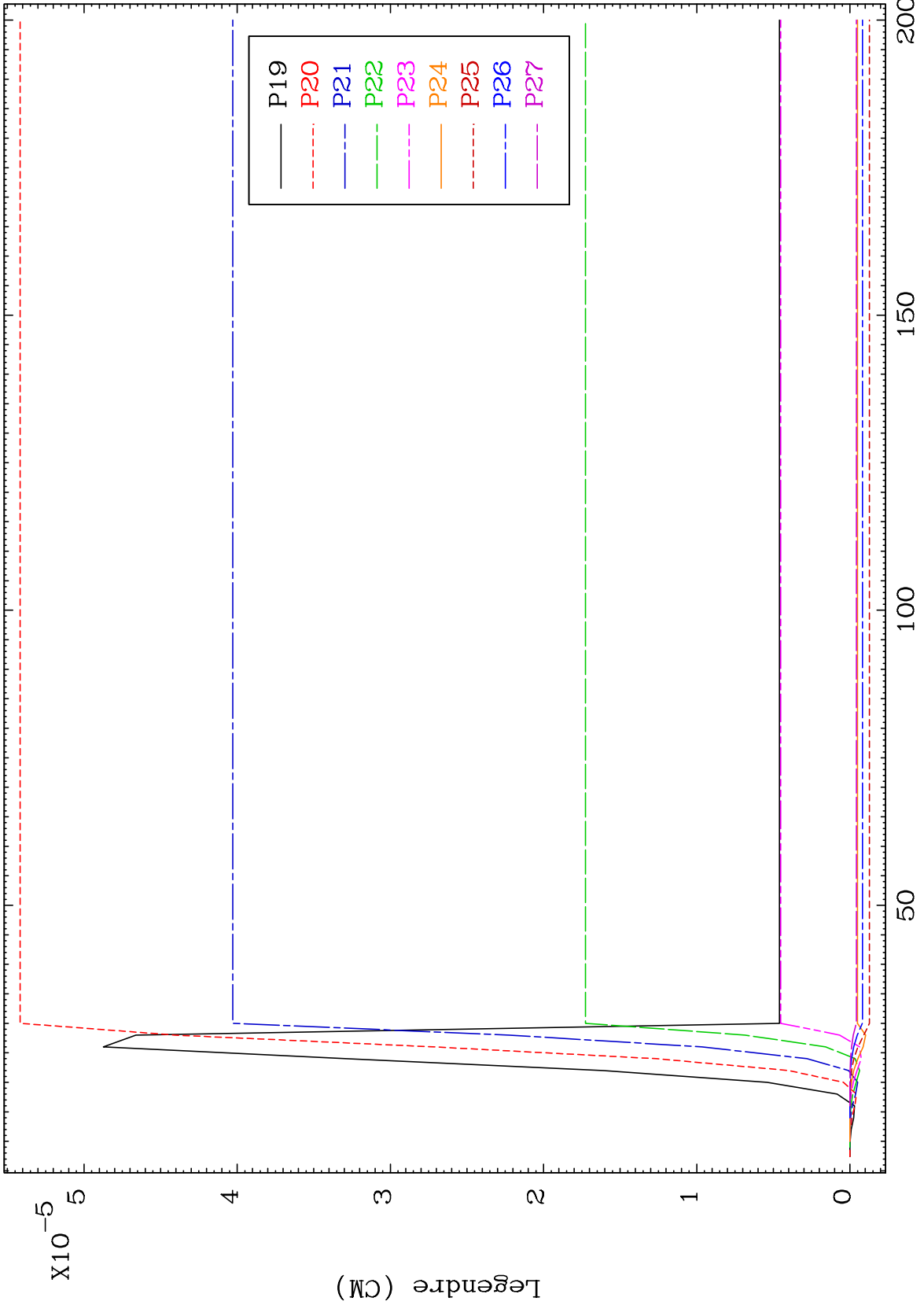
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



70

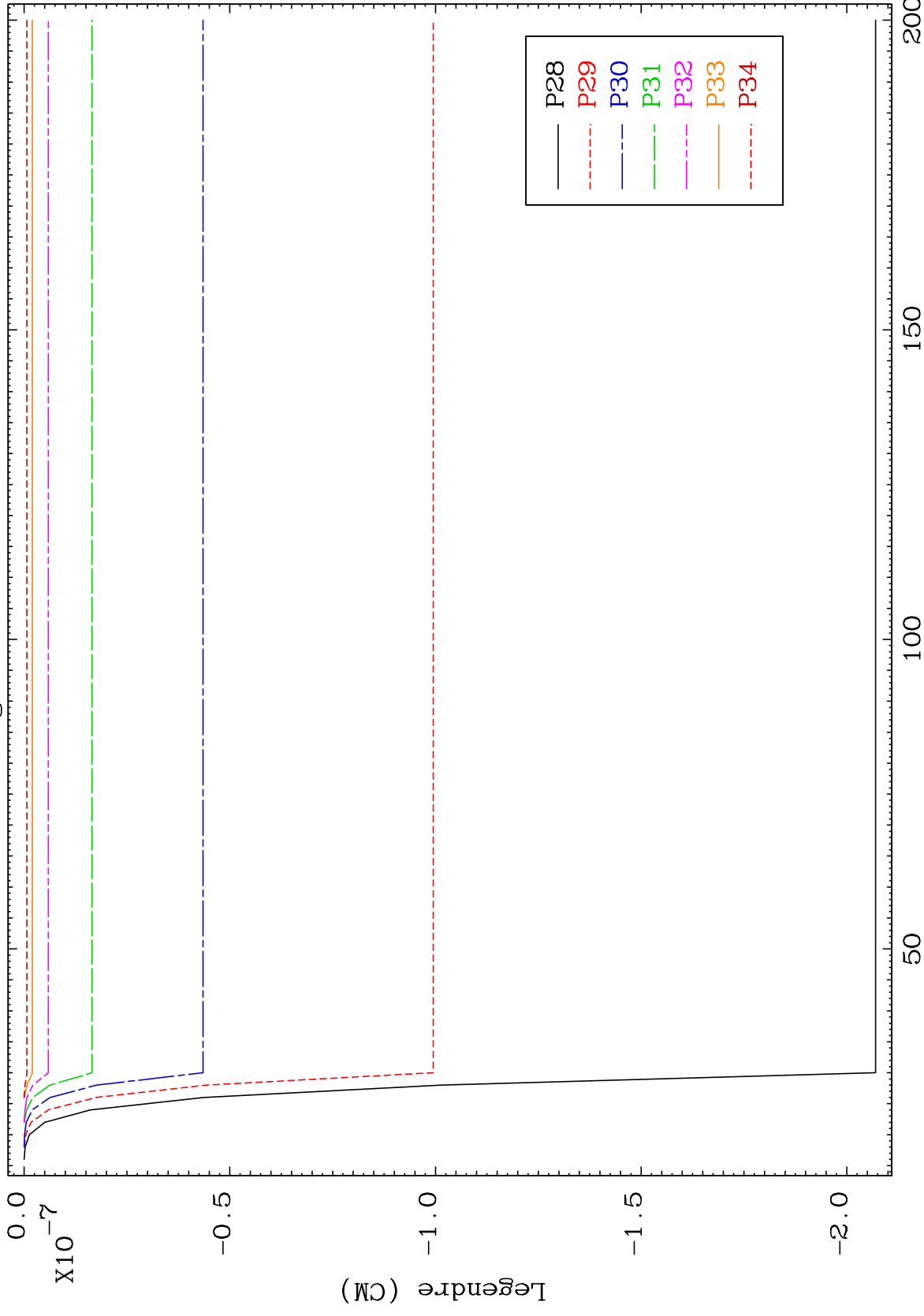
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



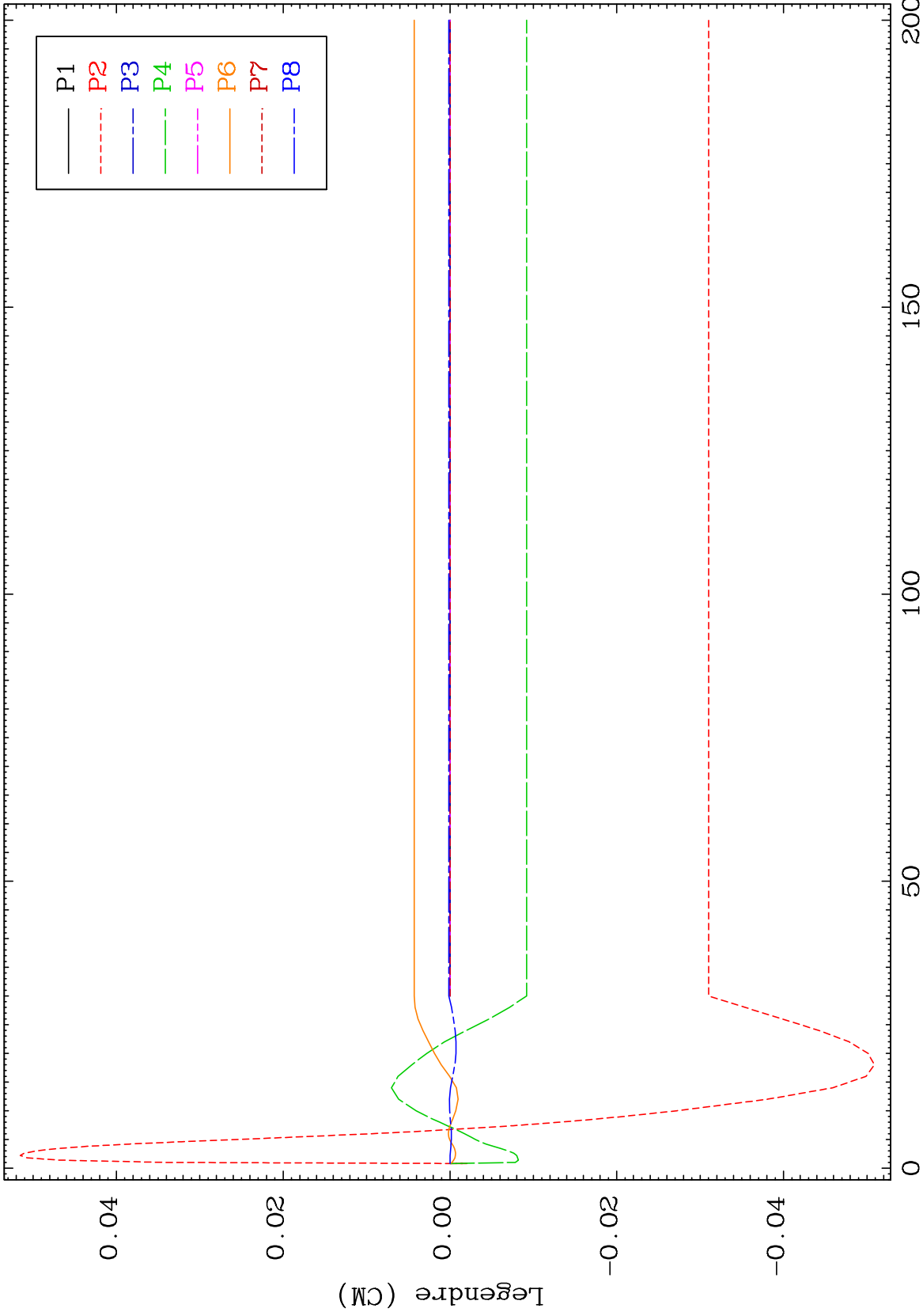
71

59-Pr-140

MAT 5922

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

59-Pr-140

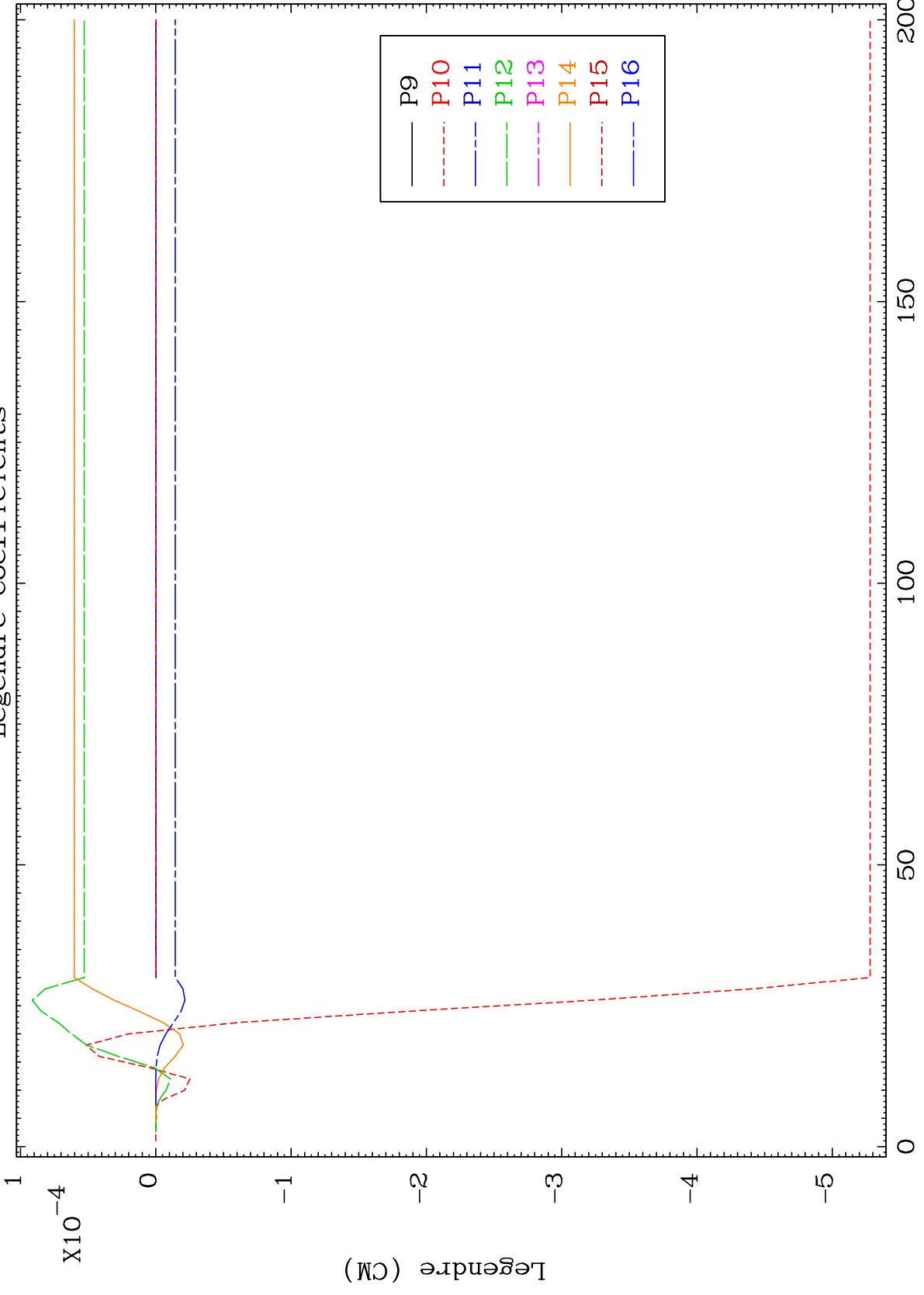


72

Incident Energy (MeV)

59-Pr-140

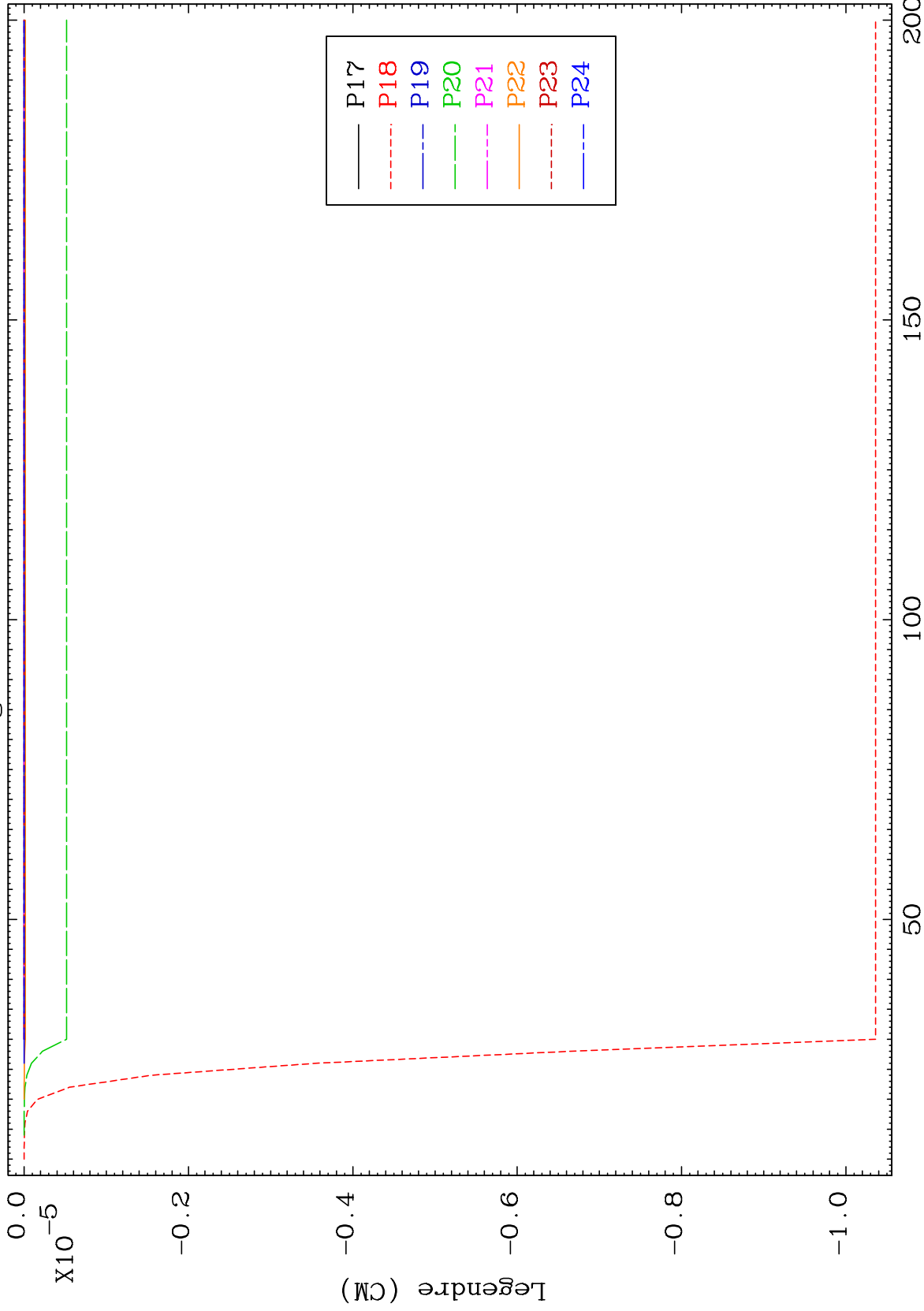
MAT 5922 MT= 66 (n,n') Level Legendre Coefficients 59-Pr-140



MAT 5922

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

59-Pr-140



74

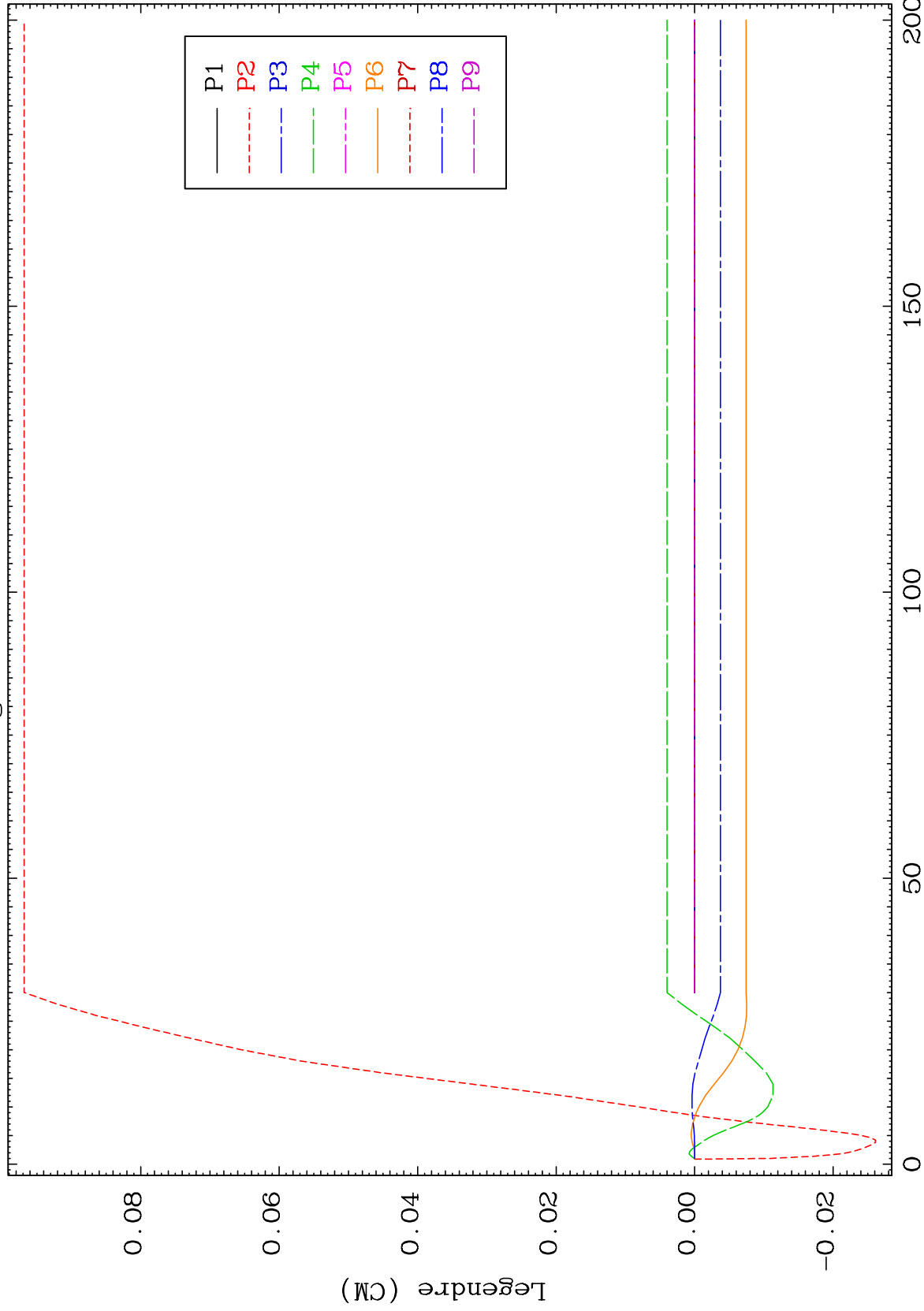
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



75

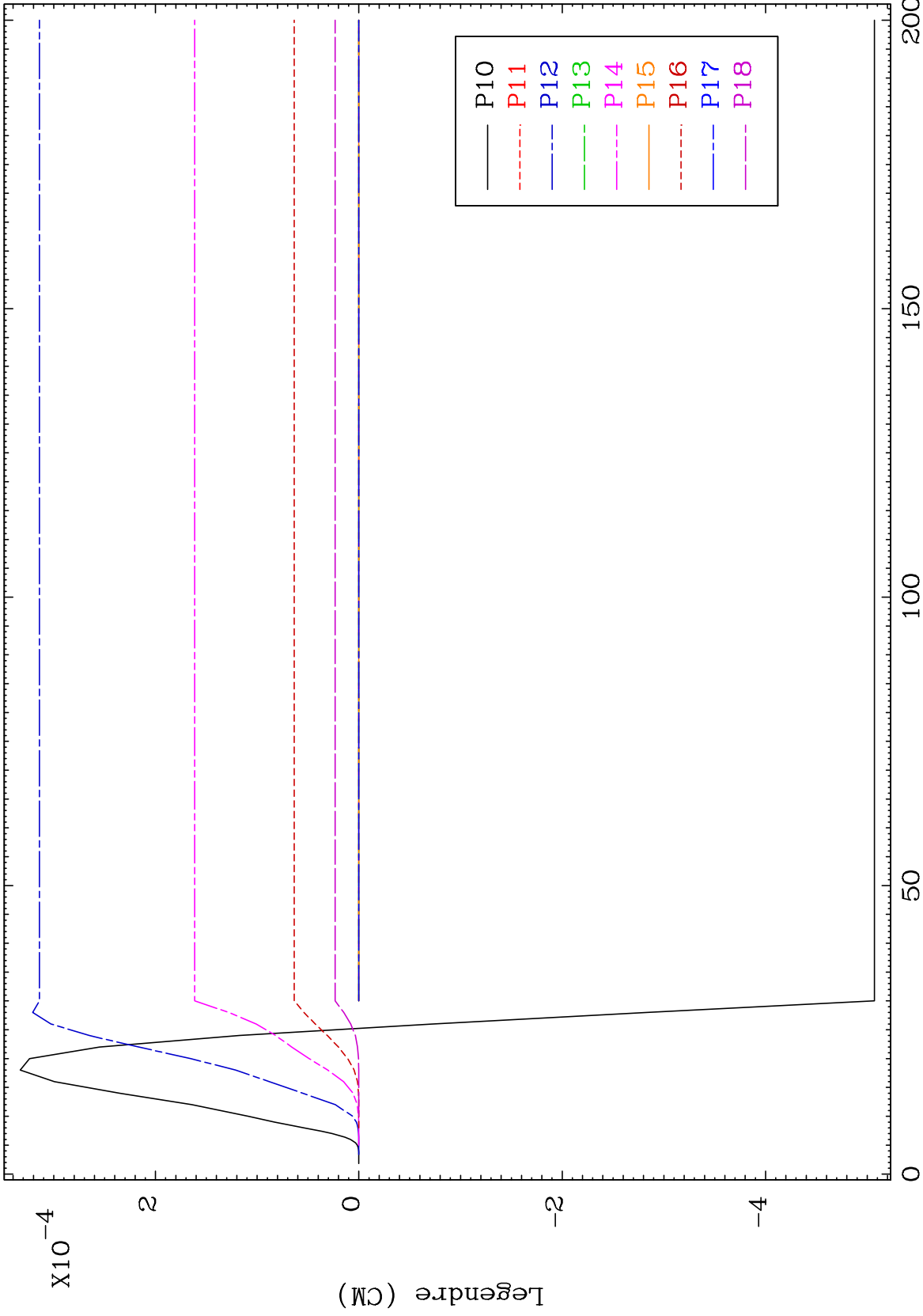
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



76

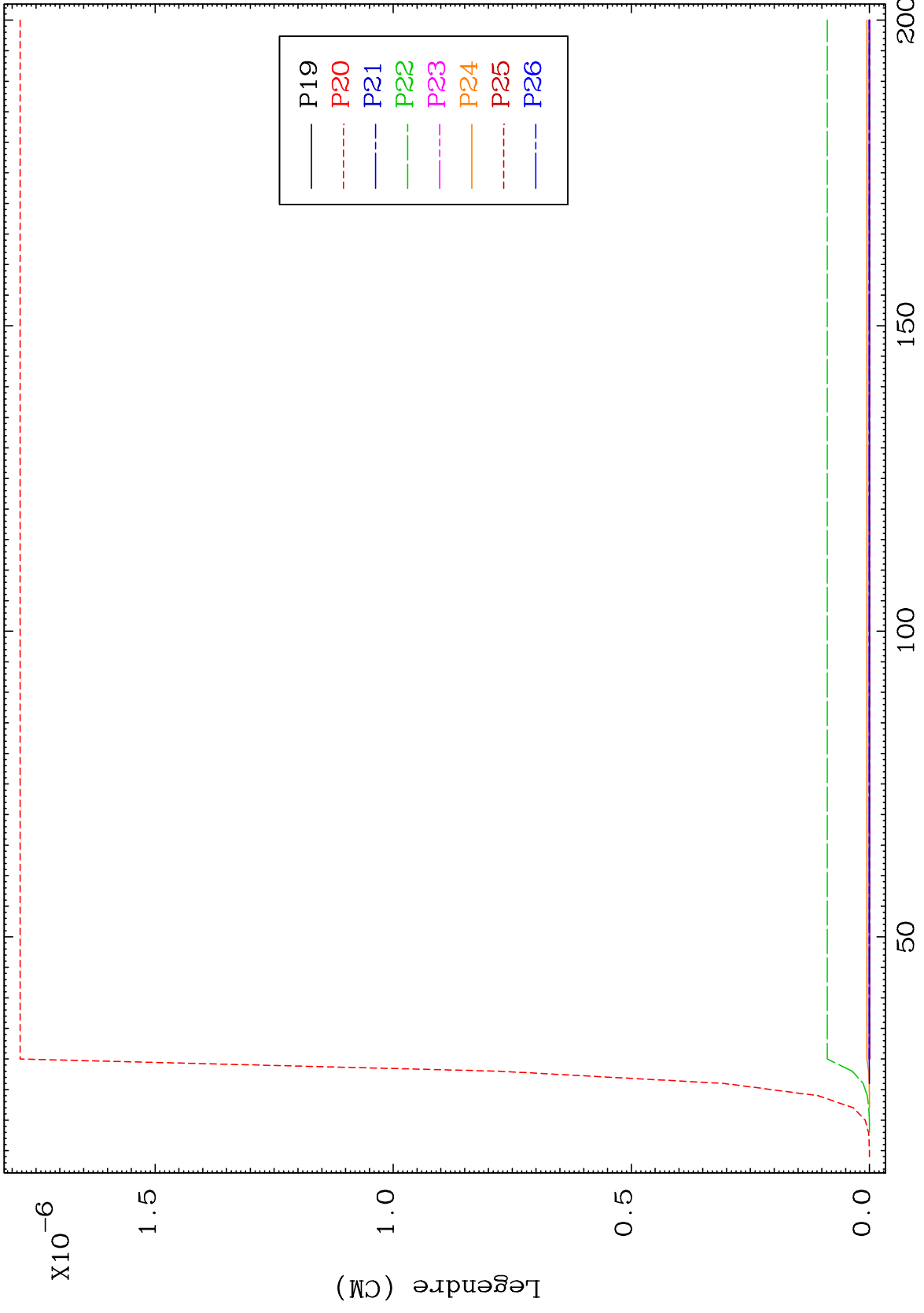
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



77

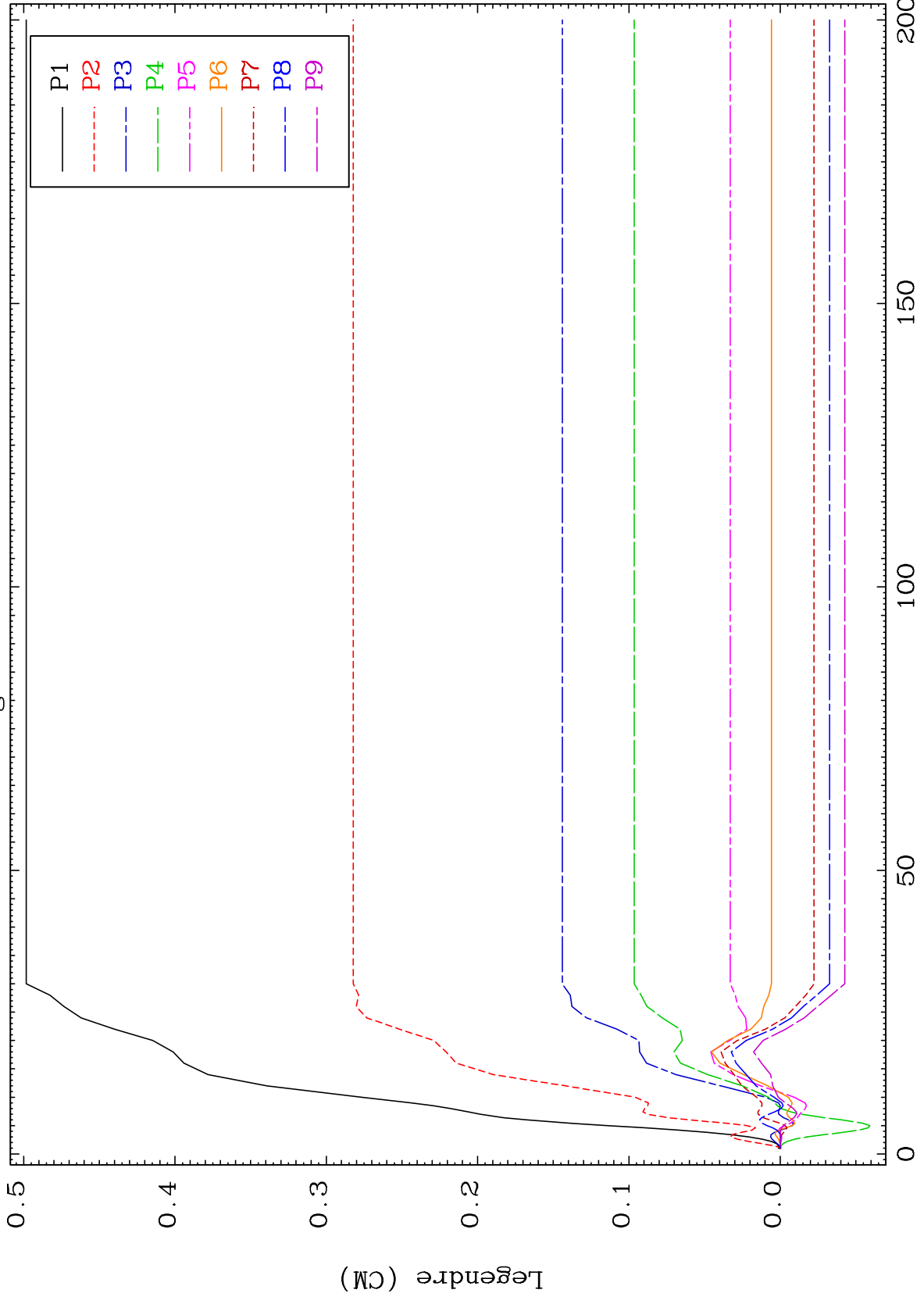
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



78

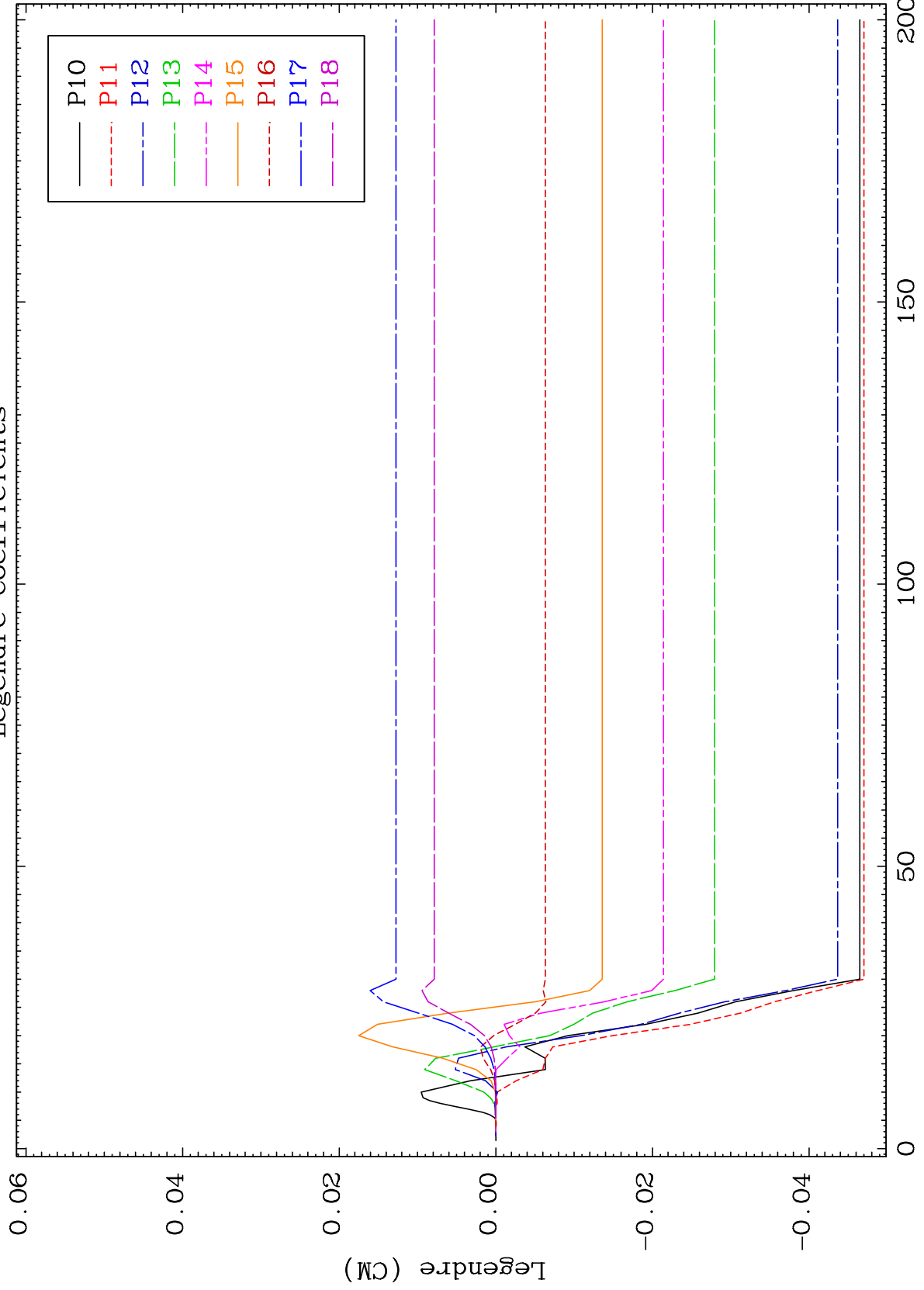
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



79

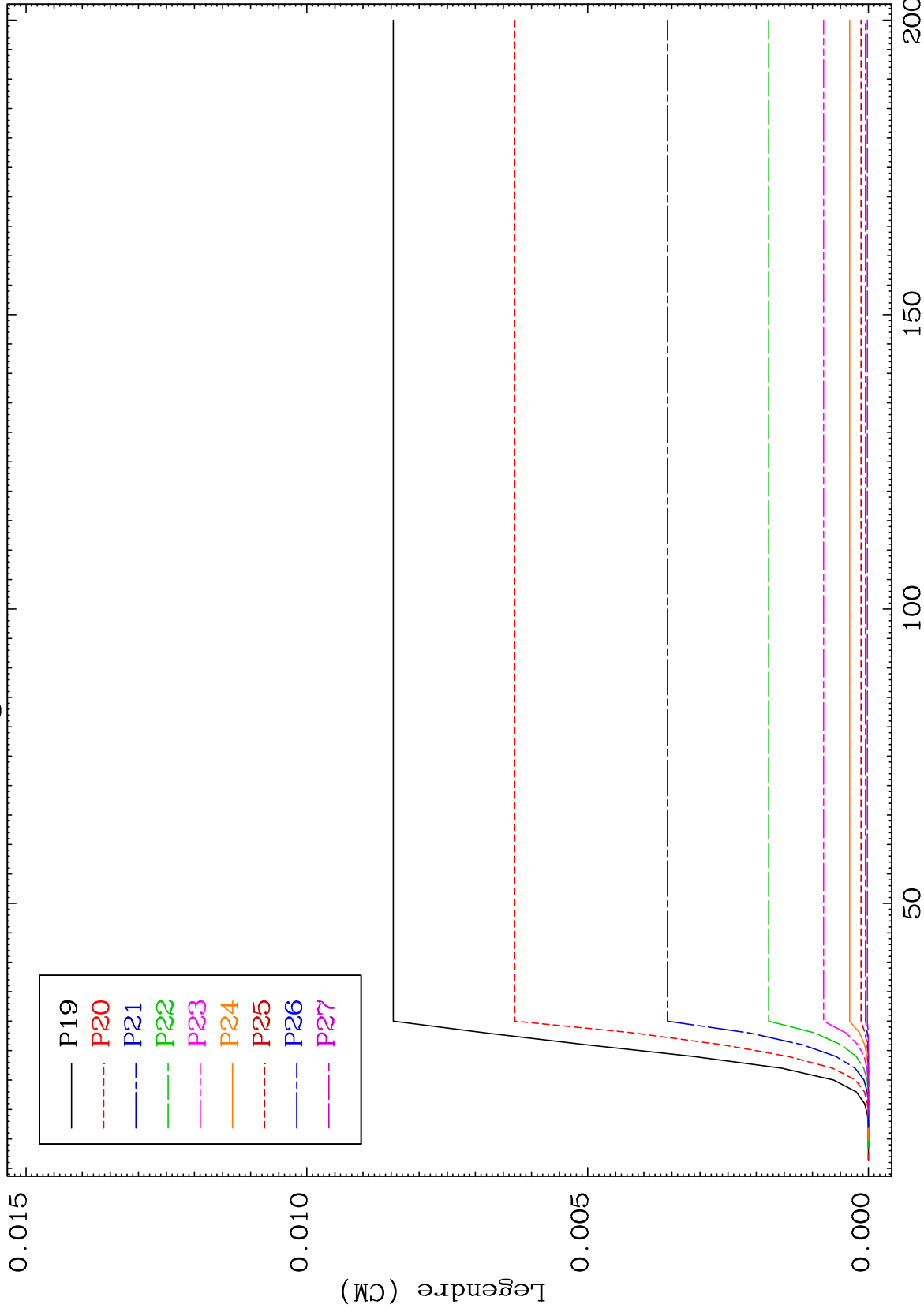
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



80

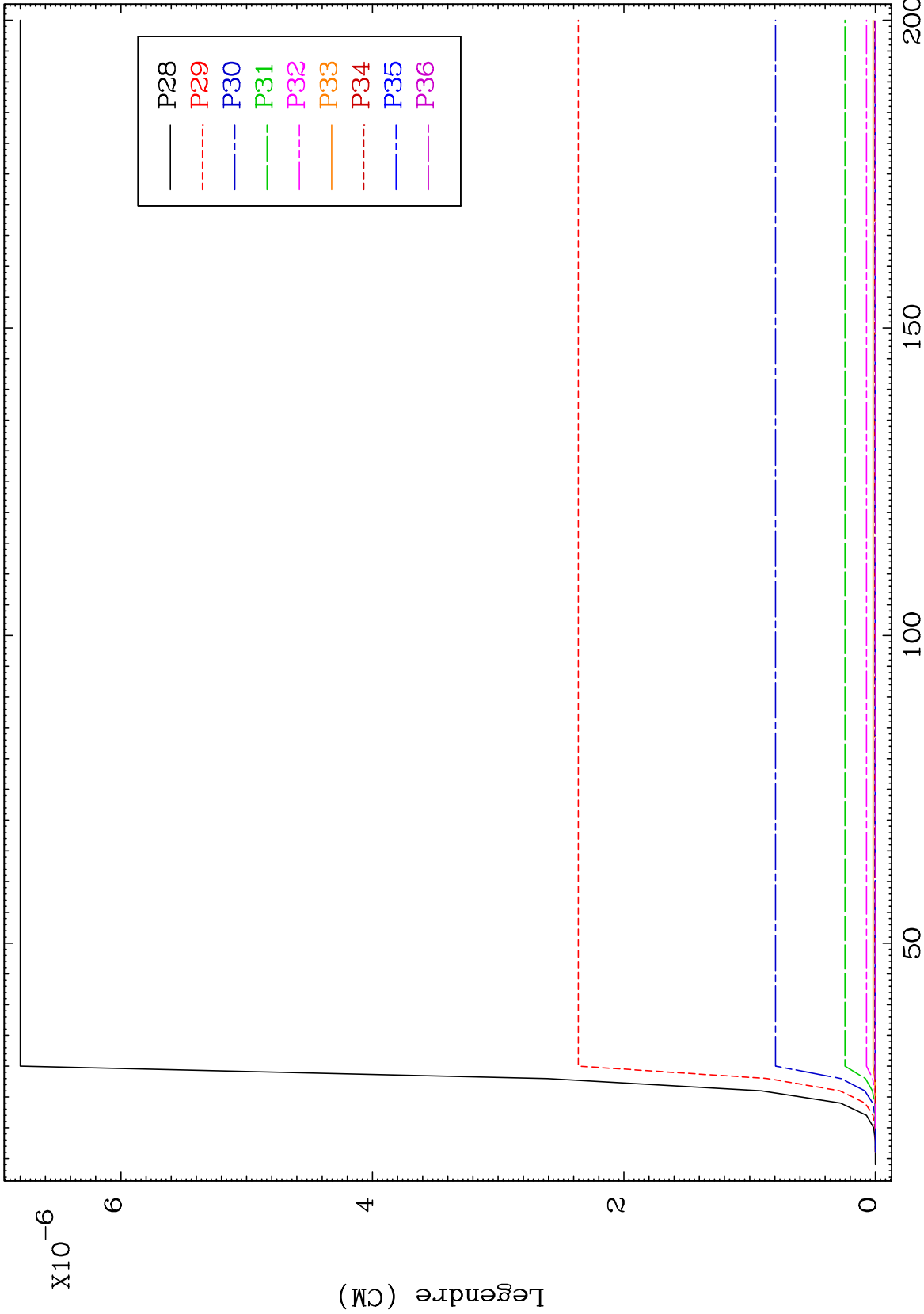
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



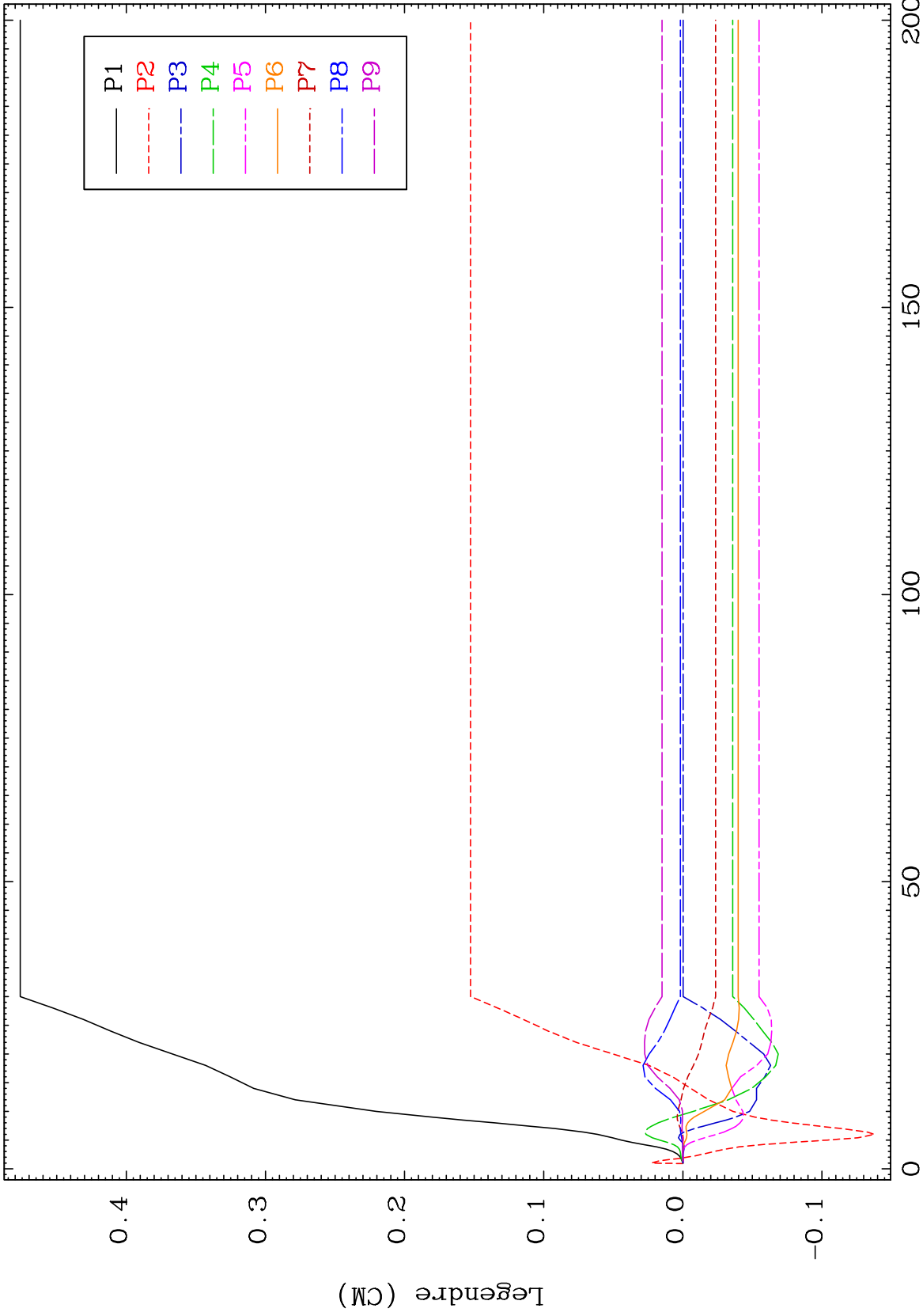
81

59-Pr-140

MAT 5922

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

59-Pr-140



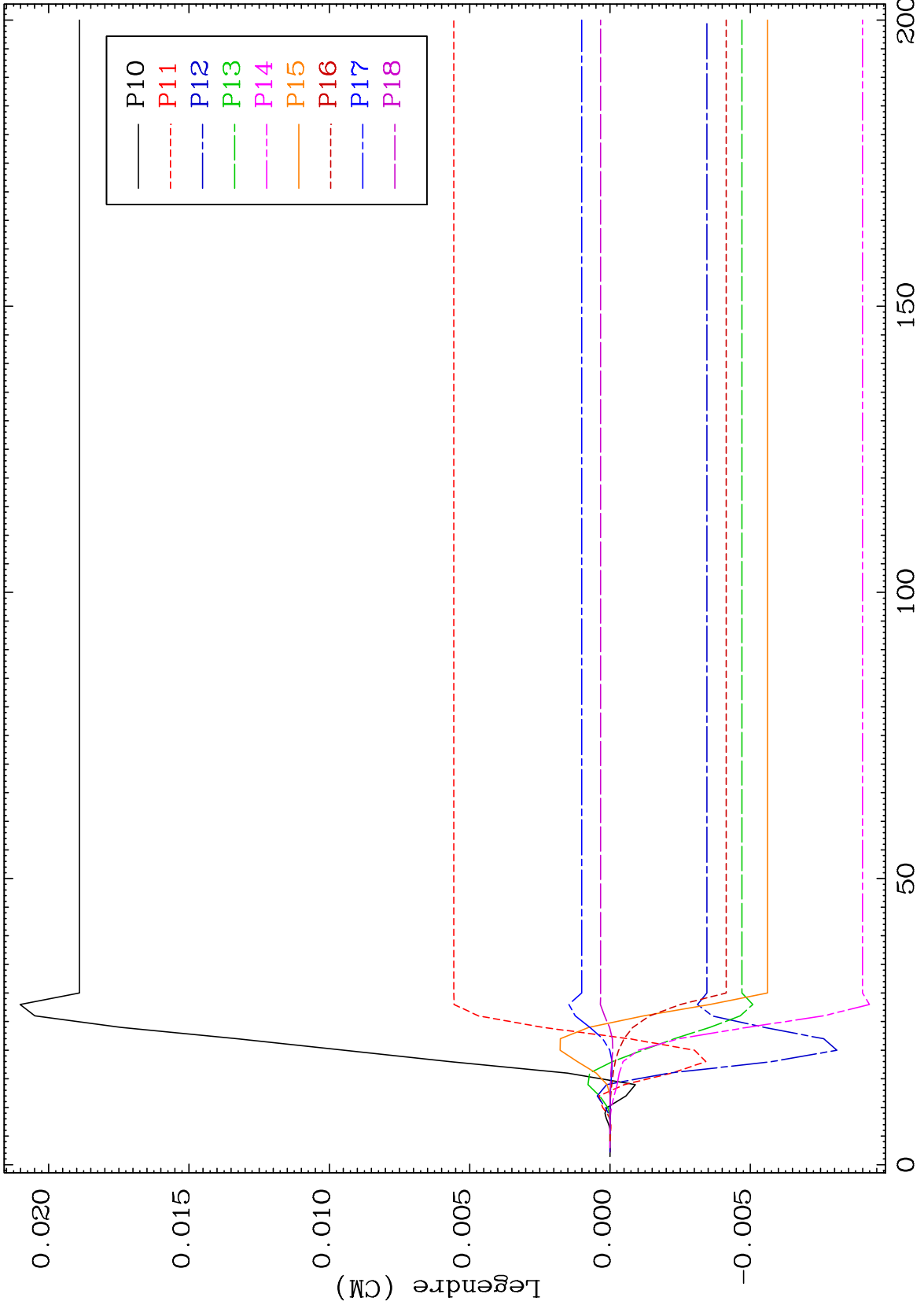
82

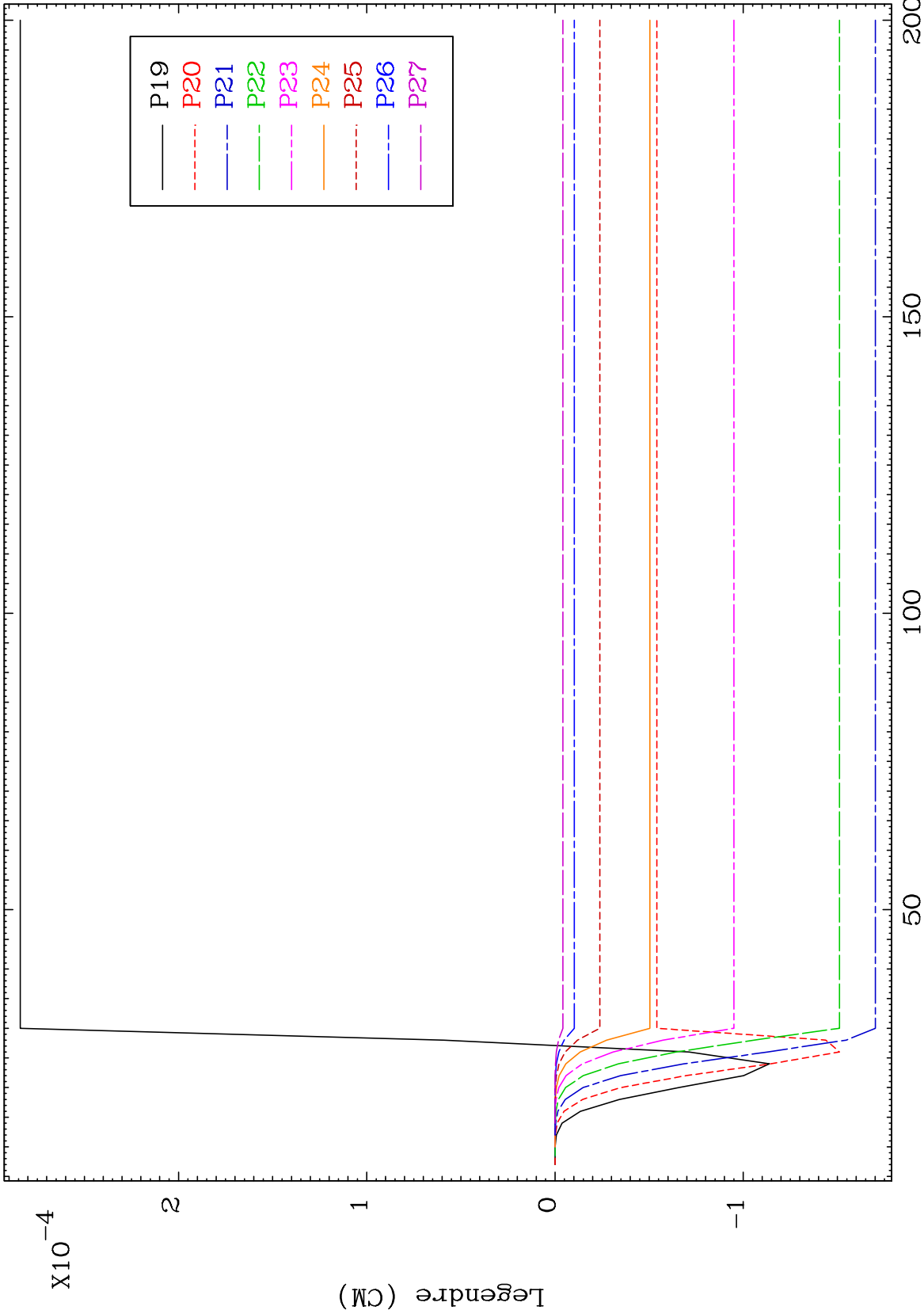
59-Pr-140

MAT 5922

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

59-Pr-140

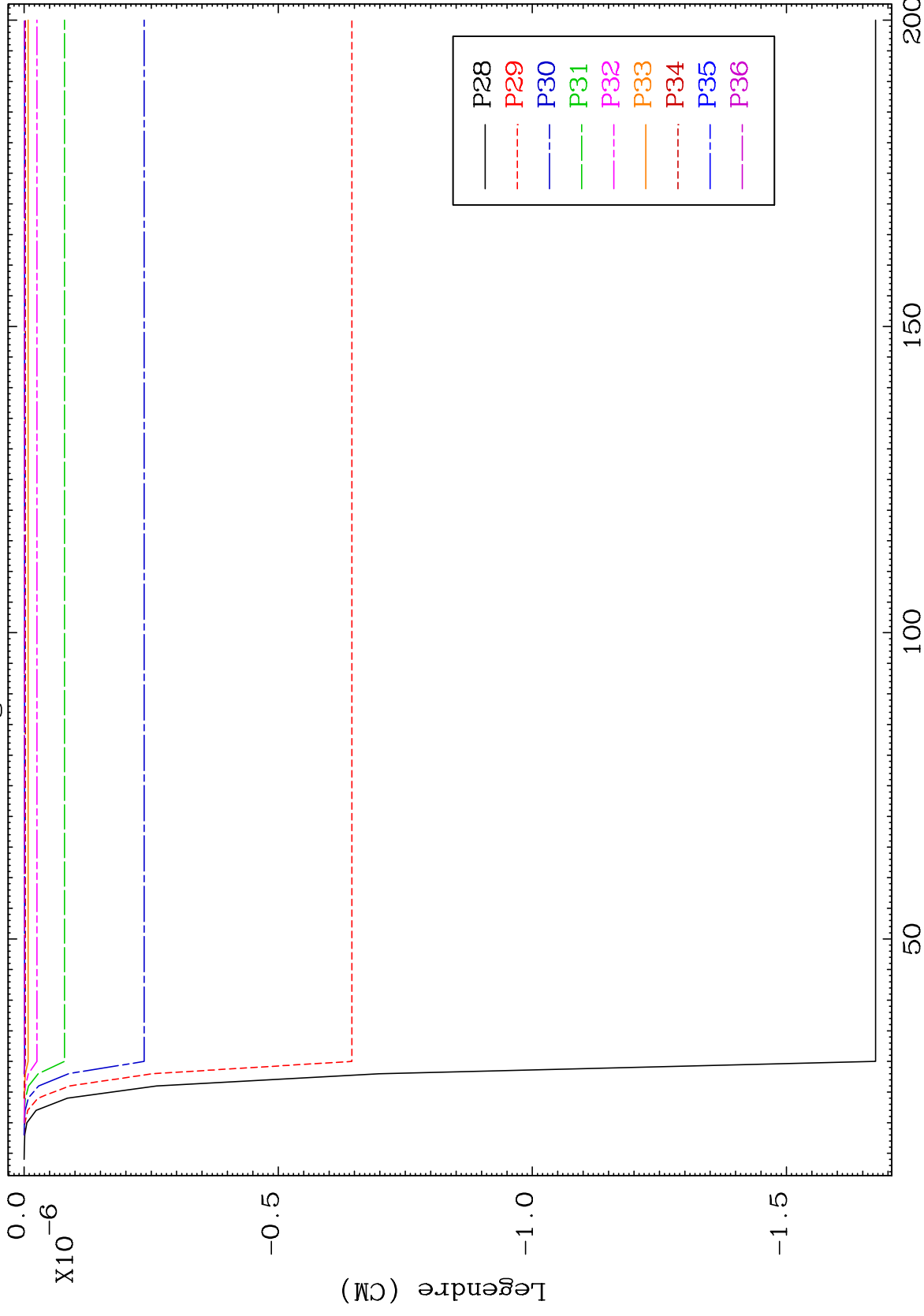




MAT 5922

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

59-Pr-140

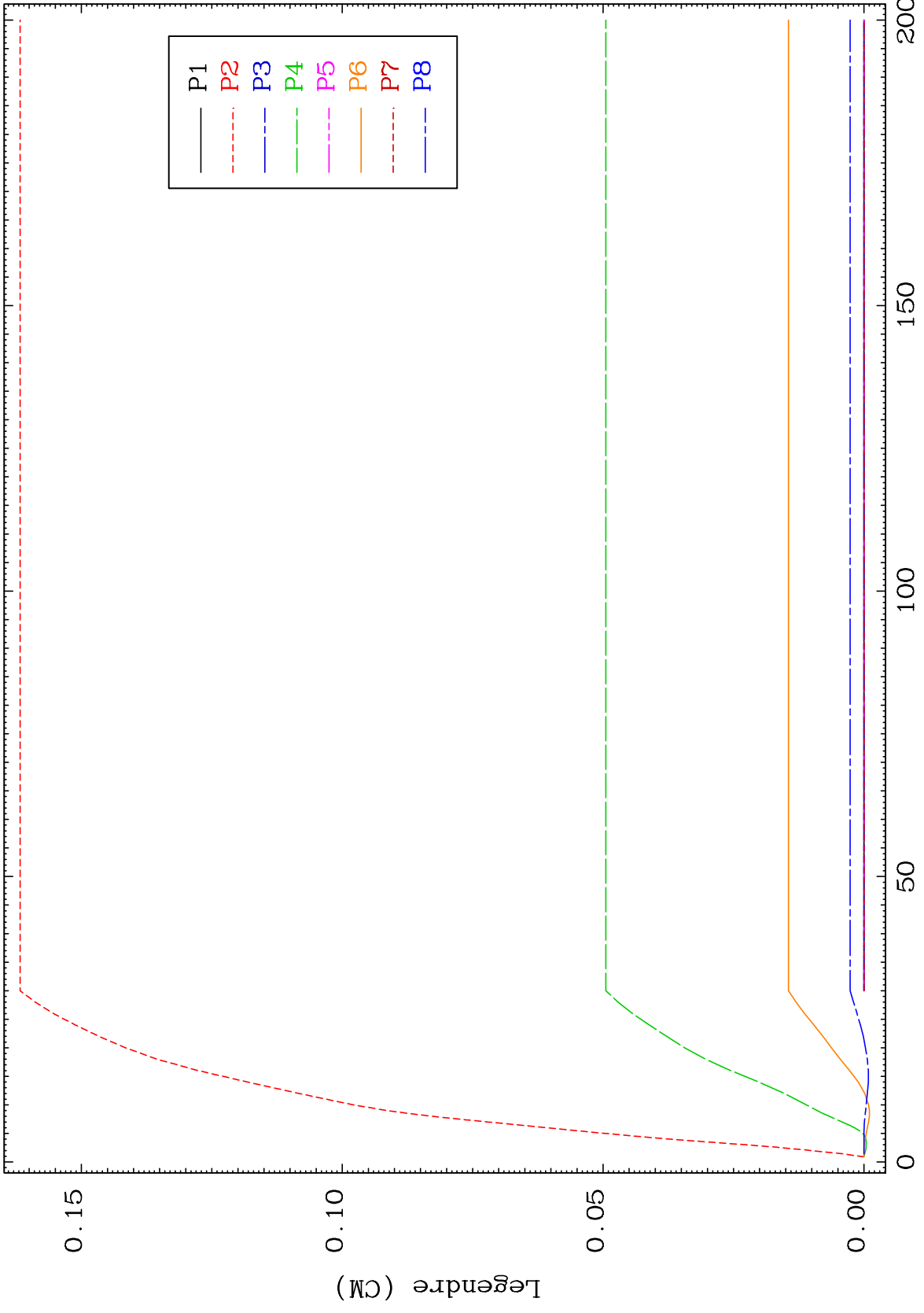


85

Incident Energy (MeV)

59-Pr-140

MAT 5922 MT= 70 (n,n') Level Legendre Coefficients 59-Pr-140

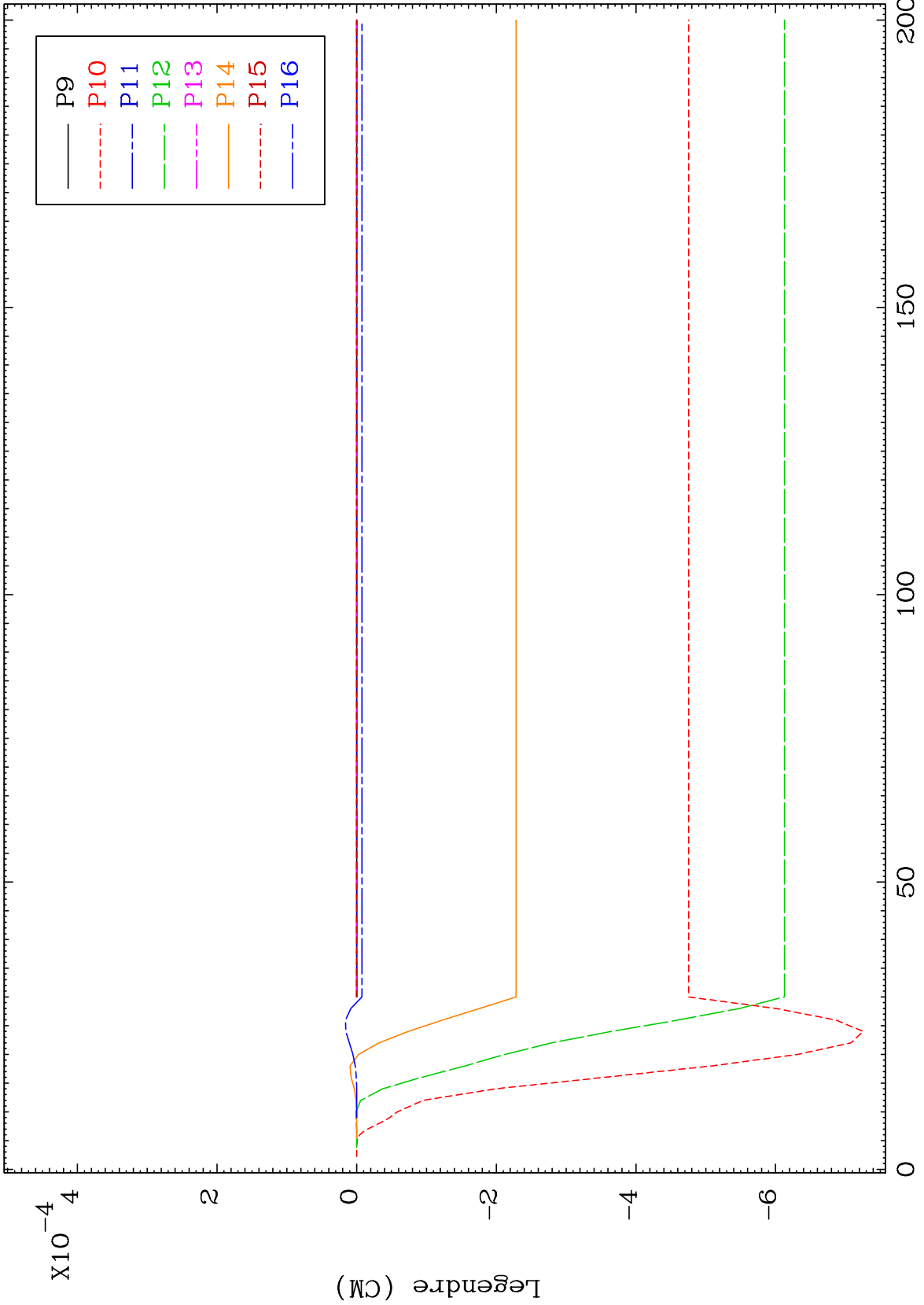


86 59-Pr-140

MAT 5922

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

59-Pr-140

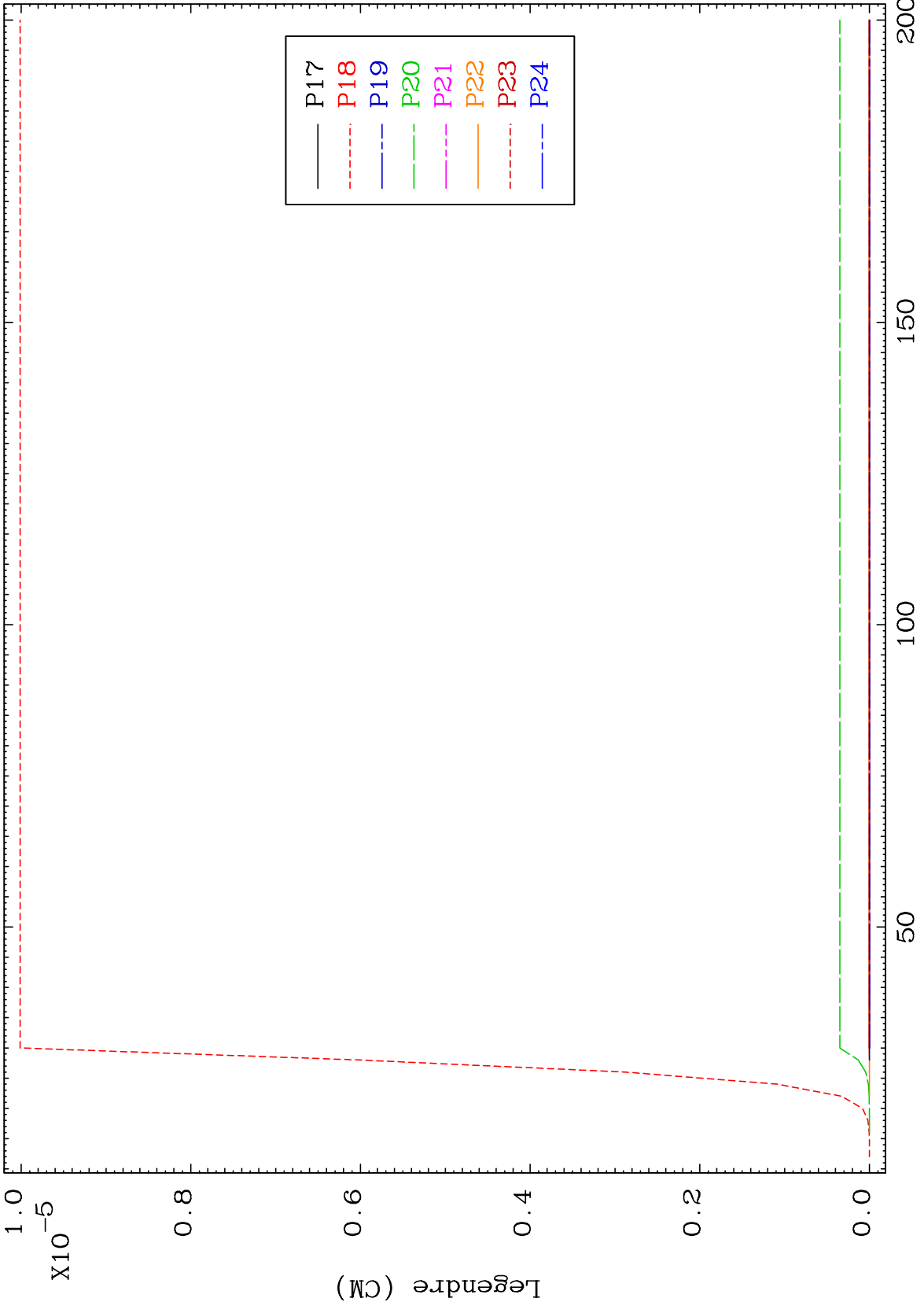


87

Incident Energy (MeV)

59-Pr-140

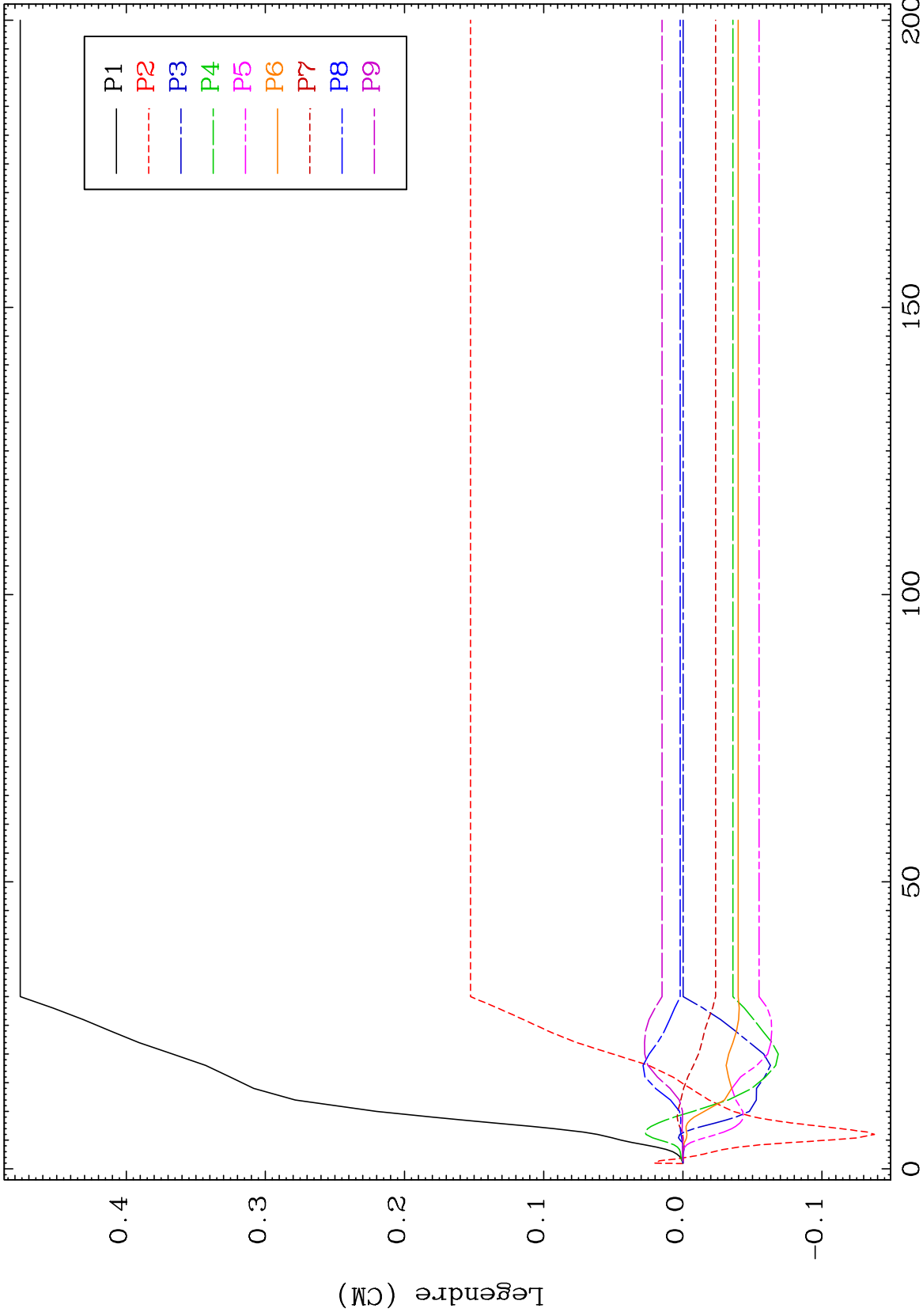
MAT 5922 MT= 70 (n,n') Level Legendre Coefficients 59-Pr-140



MAT 5922

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

59-Pr-140



89

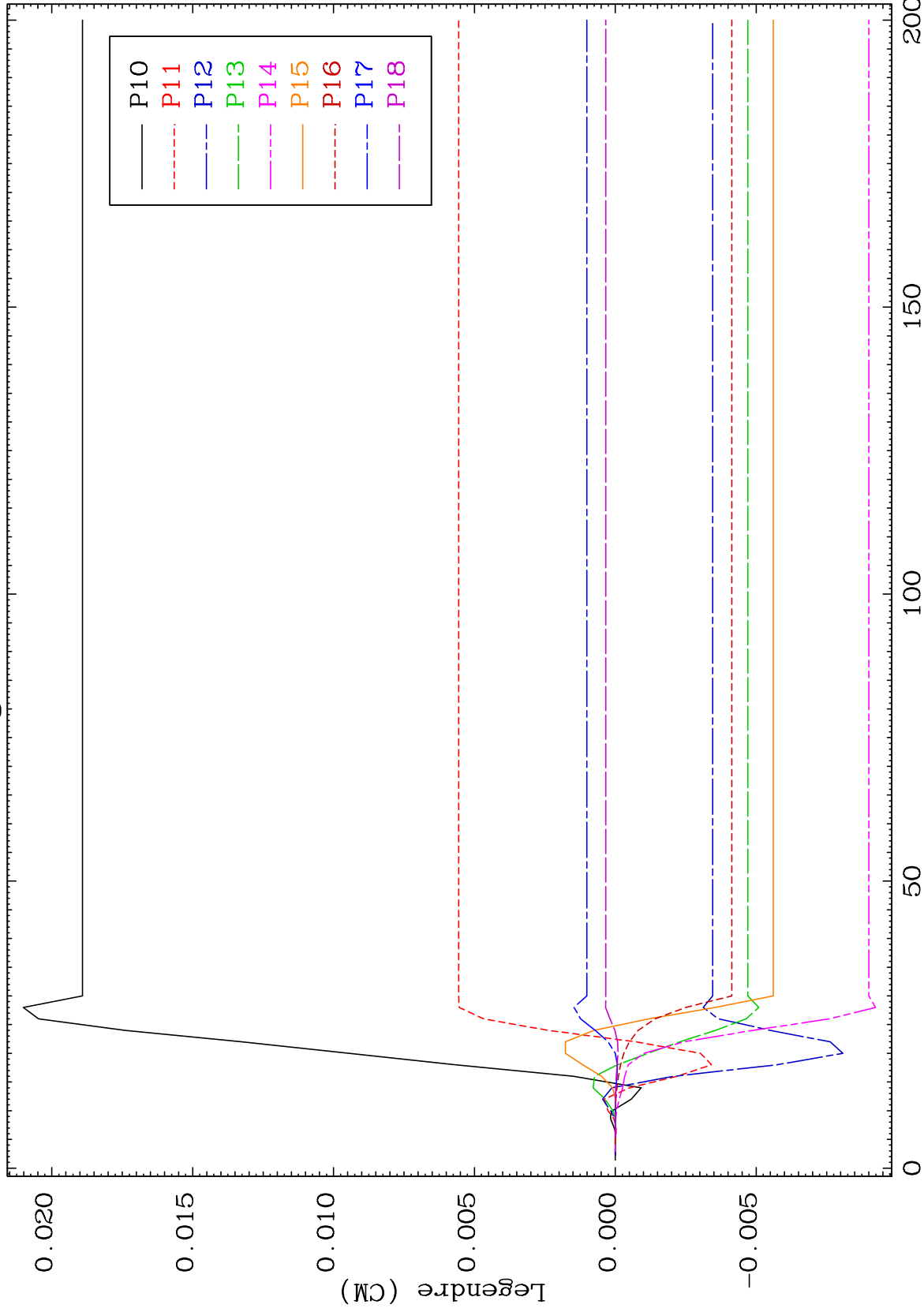
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

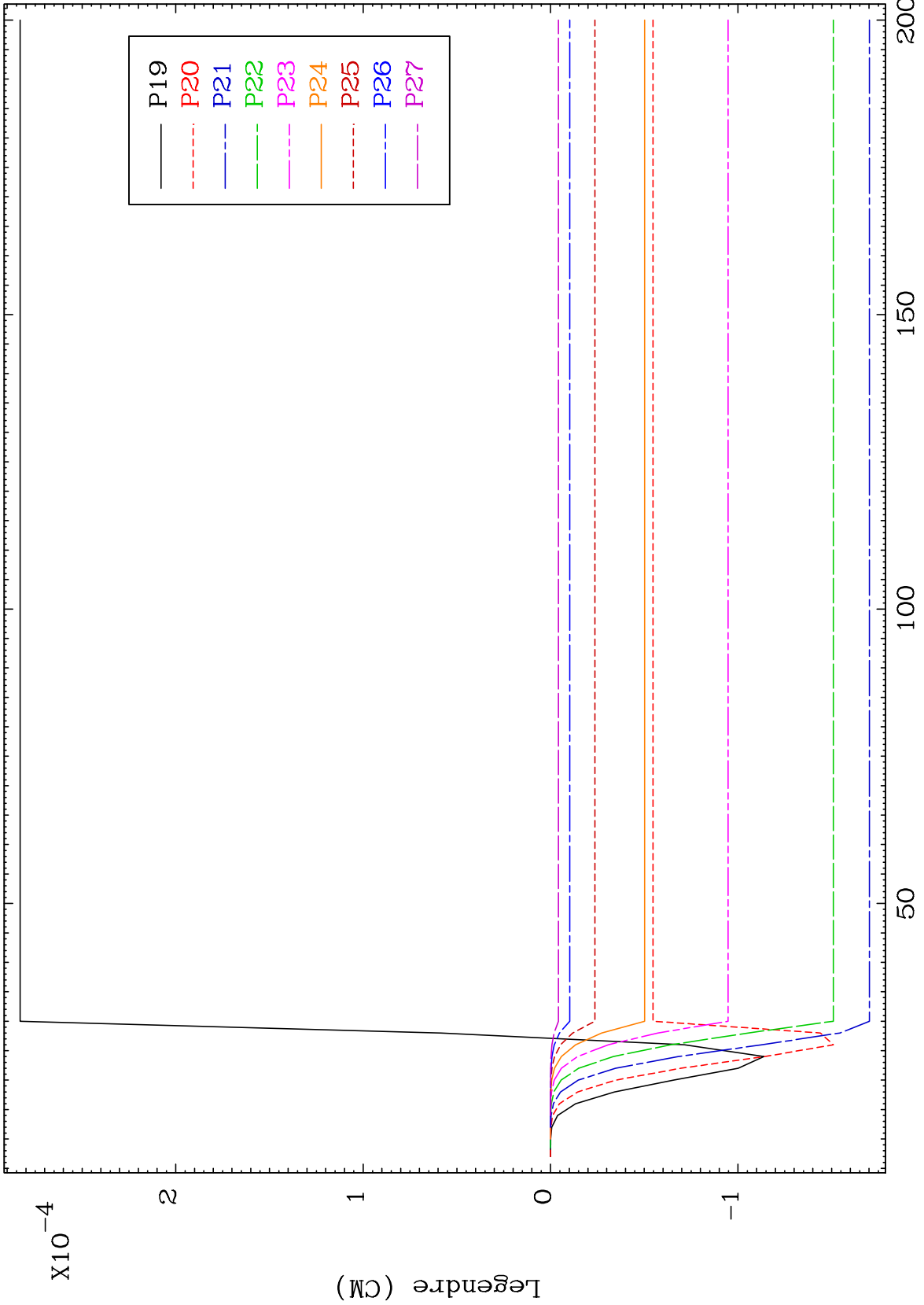
59-Pr-140



90

Incident Energy (MeV)

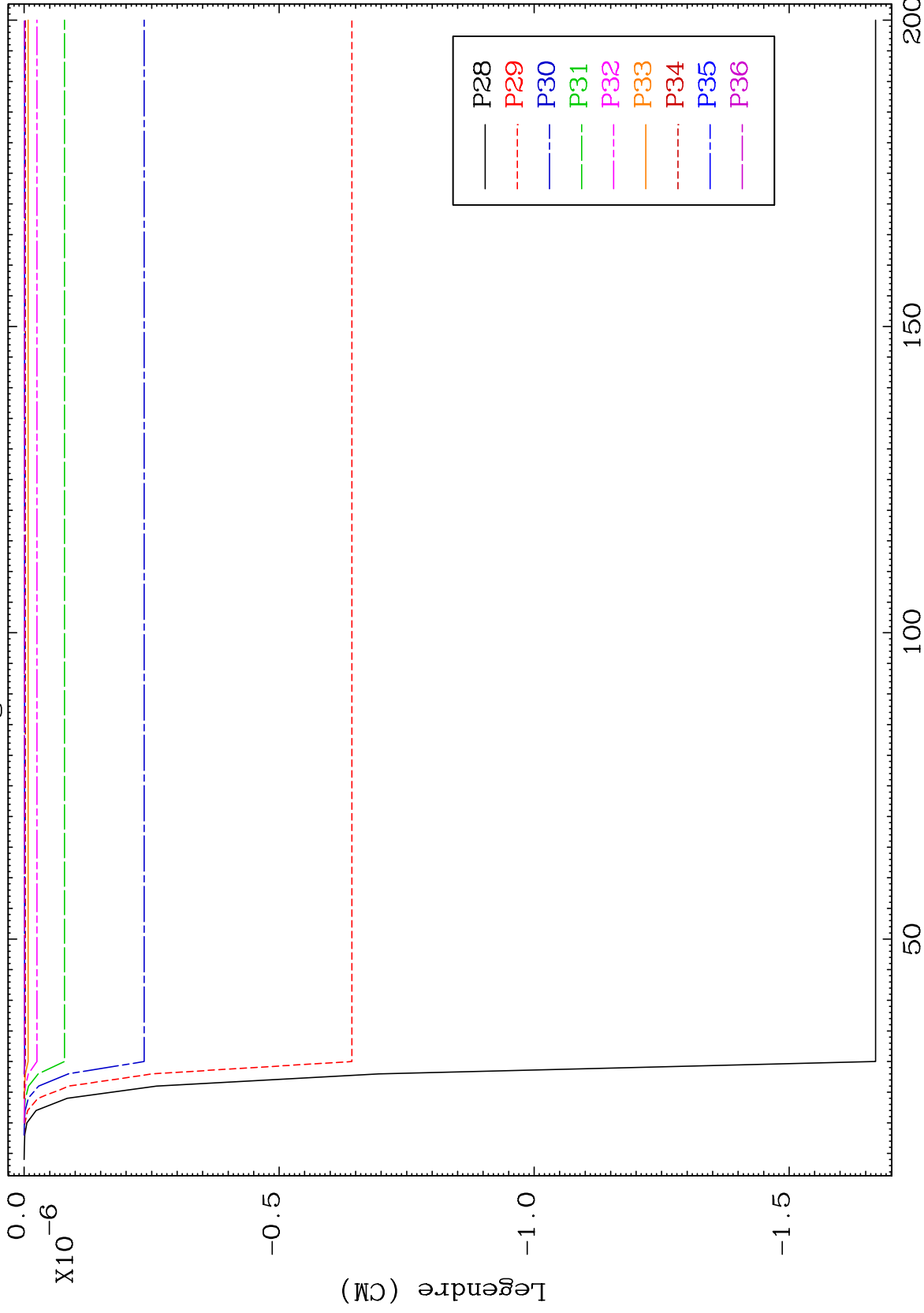
59-Pr-140



MAT 5922

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

59-Pr-140



59-Pr-140

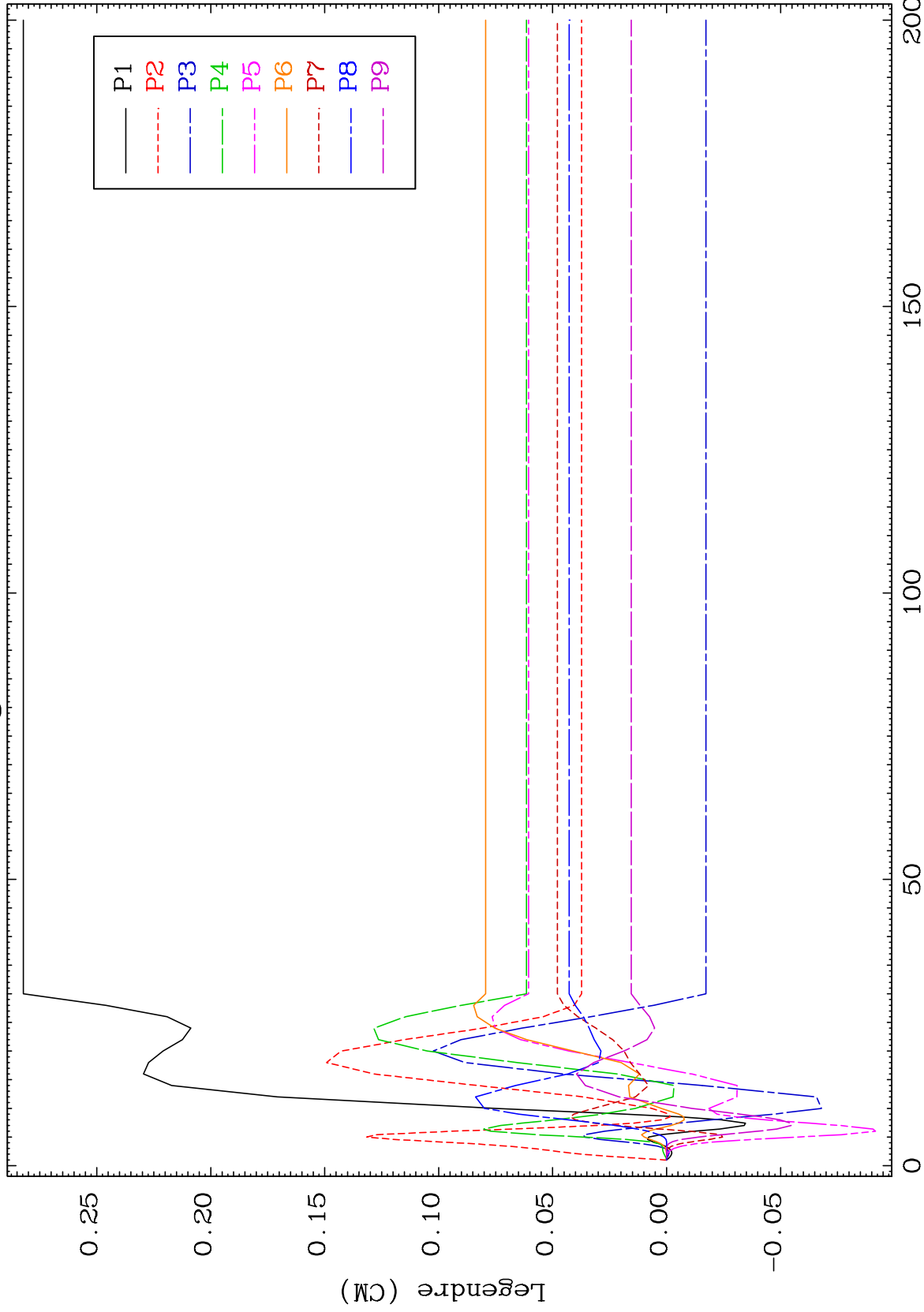
Incident Energy (MeV)

92

MAT 5922

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

59-Pr-140



93

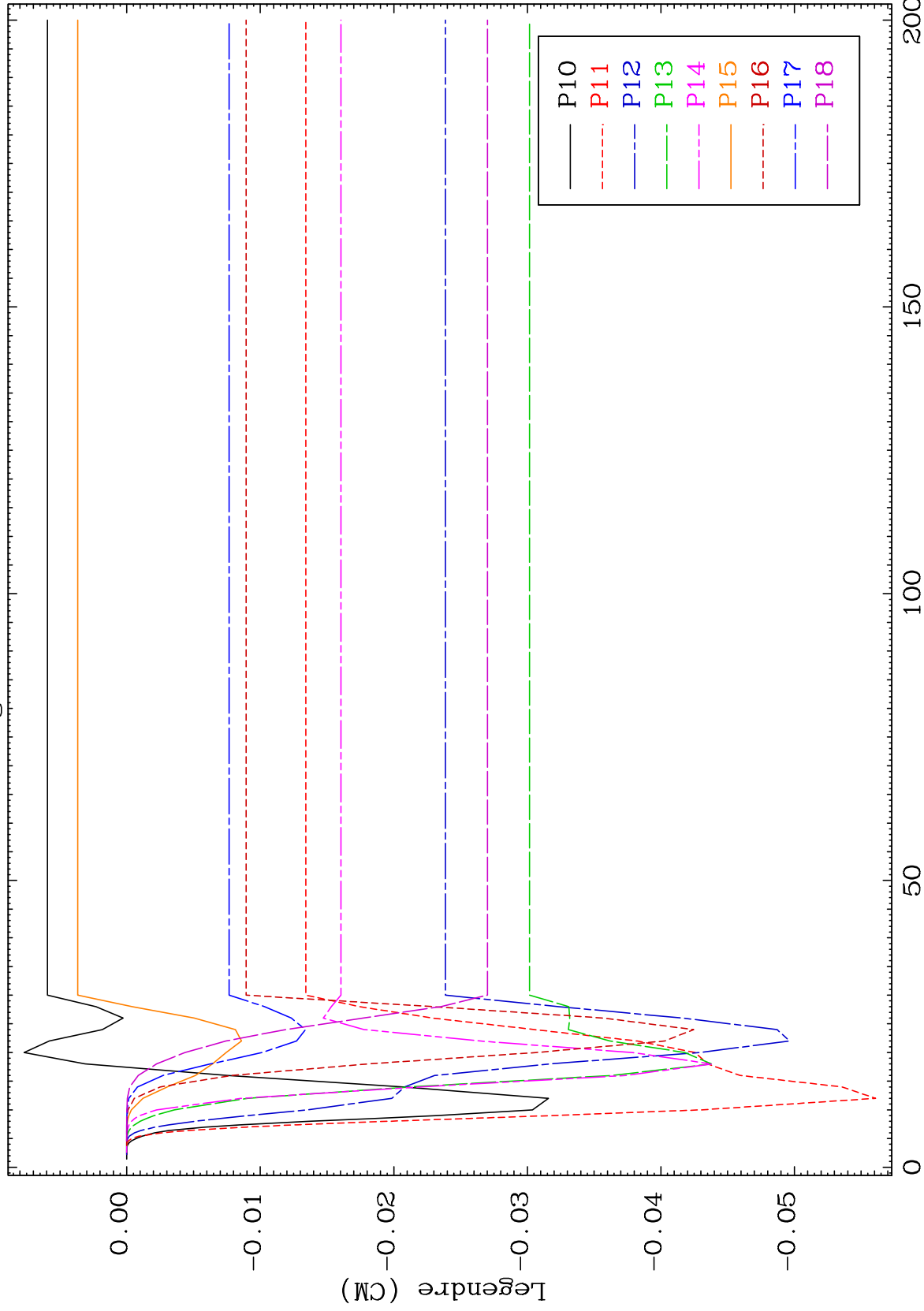
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140

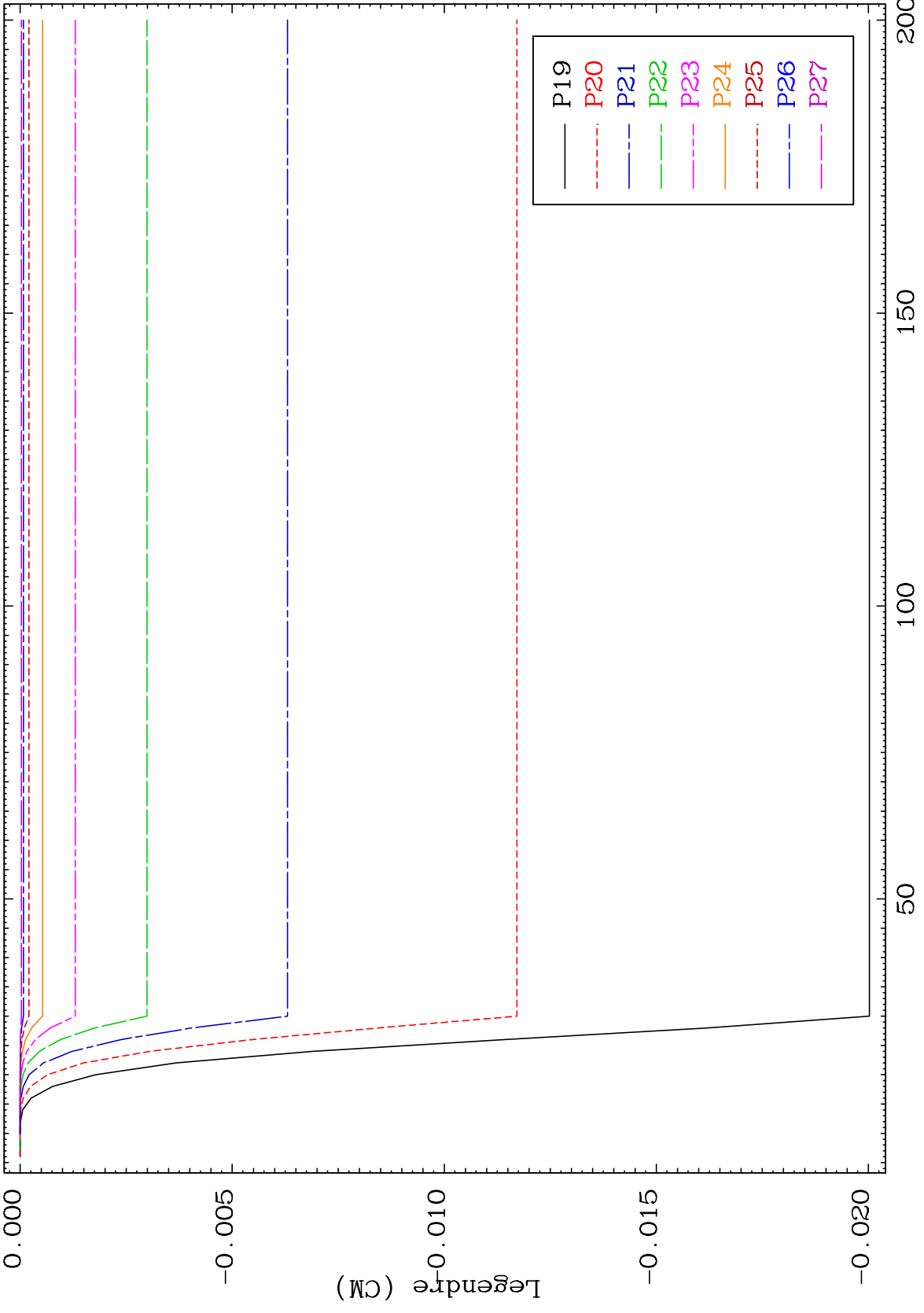


94

Incident Energy (MeV)

59-Pr-140

MAT 5922 MT= 72 (n,n') Level Legendre Coefficients 59-Pr-140

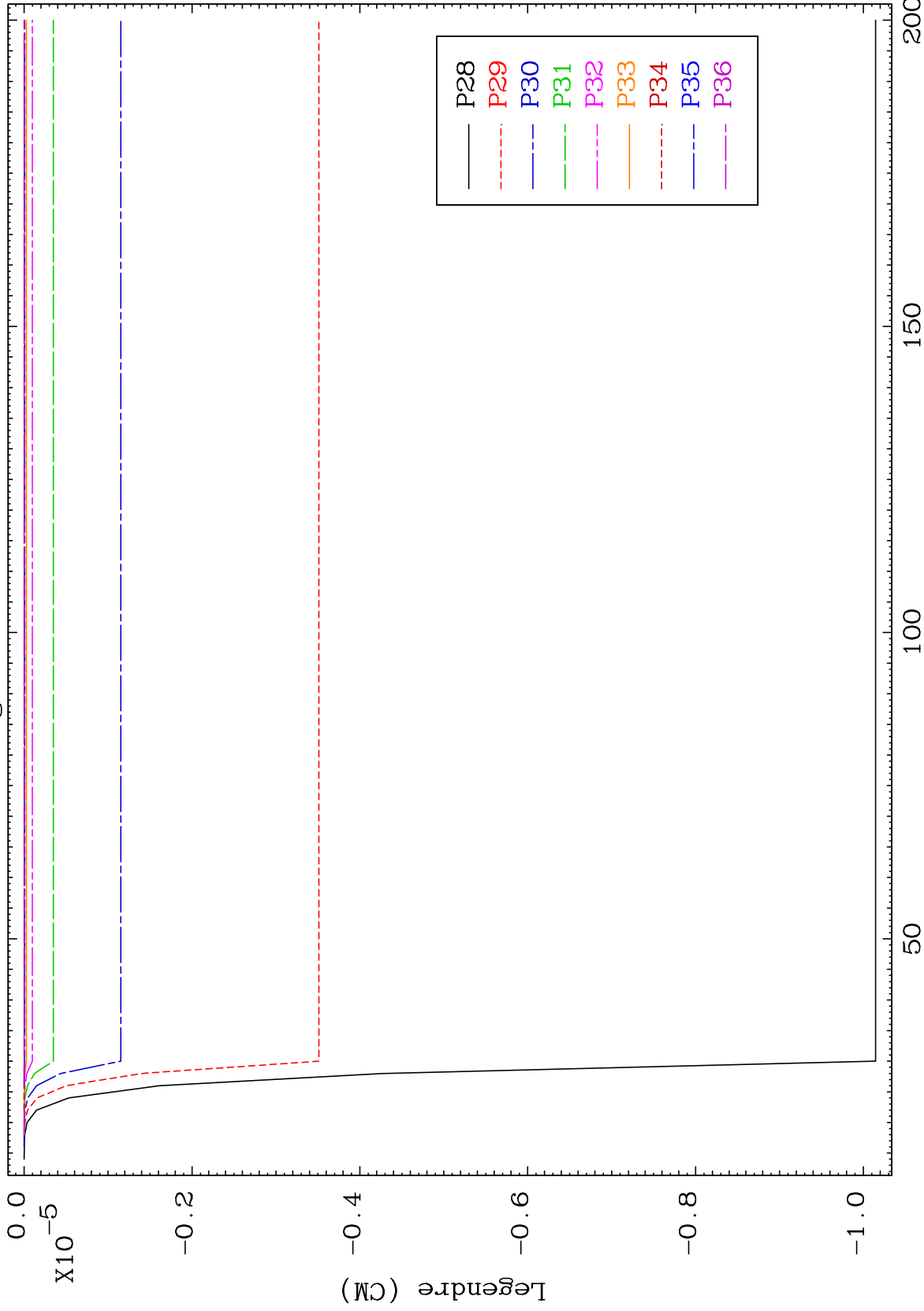


95 59-Pr-140

MAT 5922

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

59-Pr-140



96

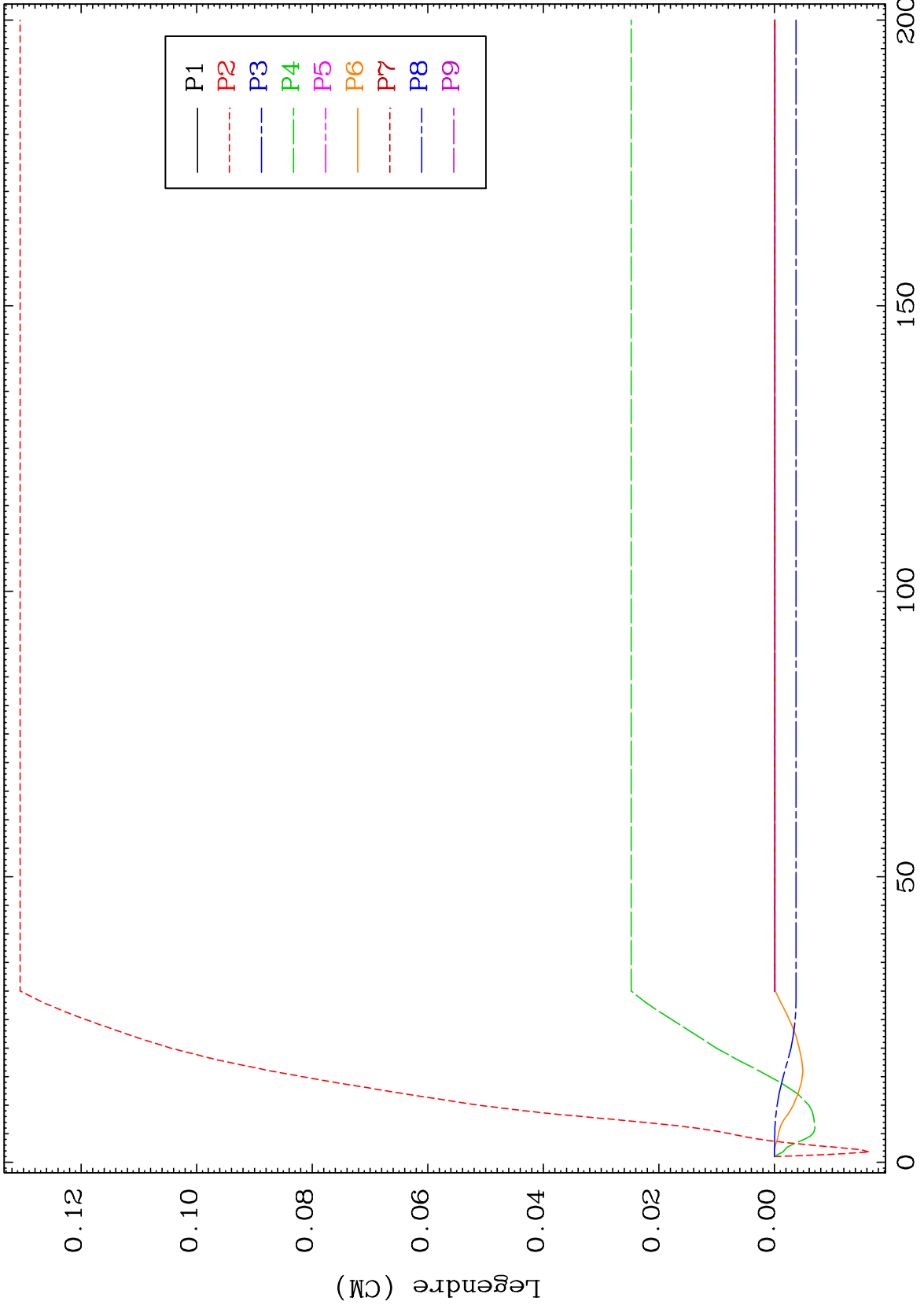
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



97

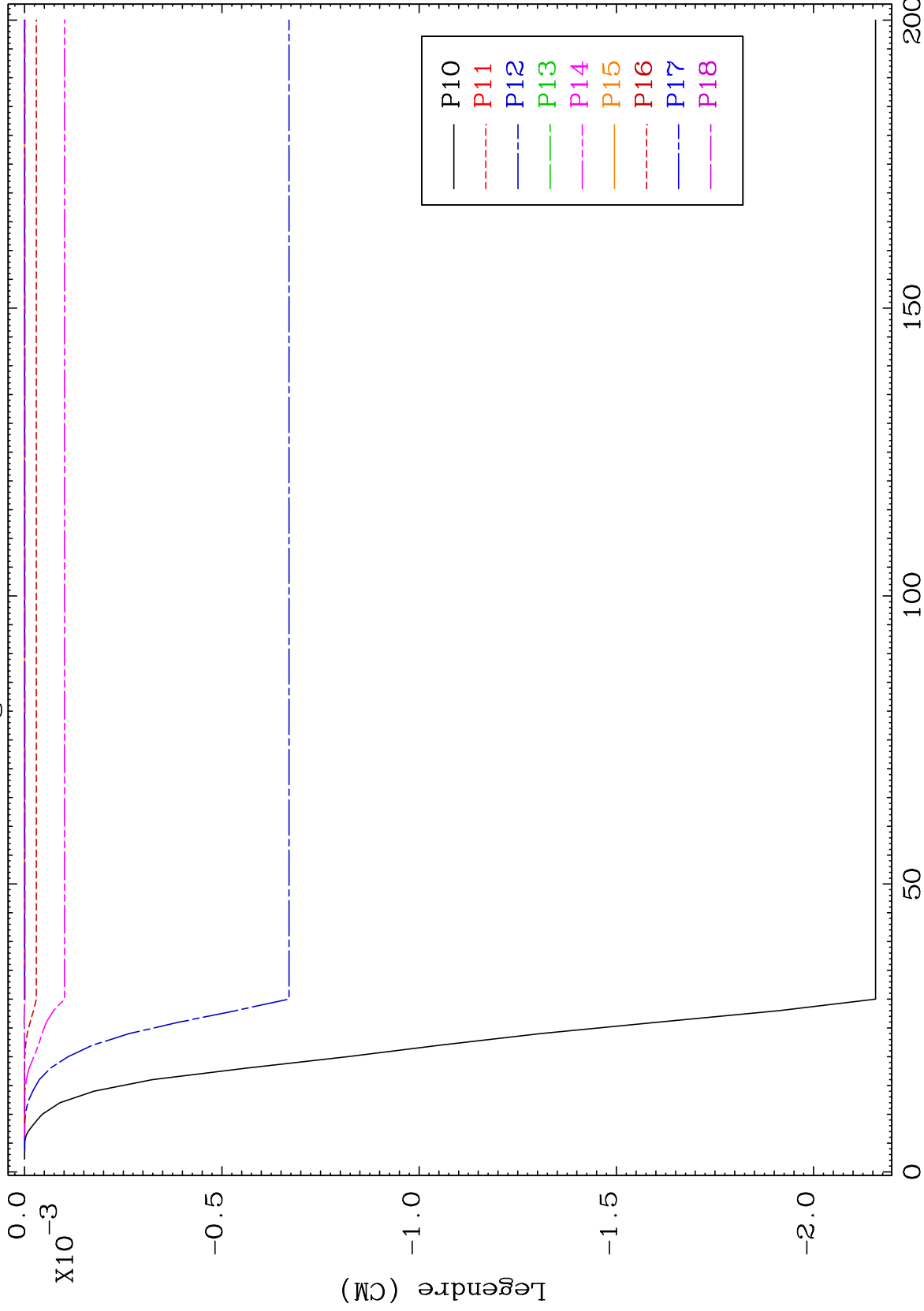
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



98

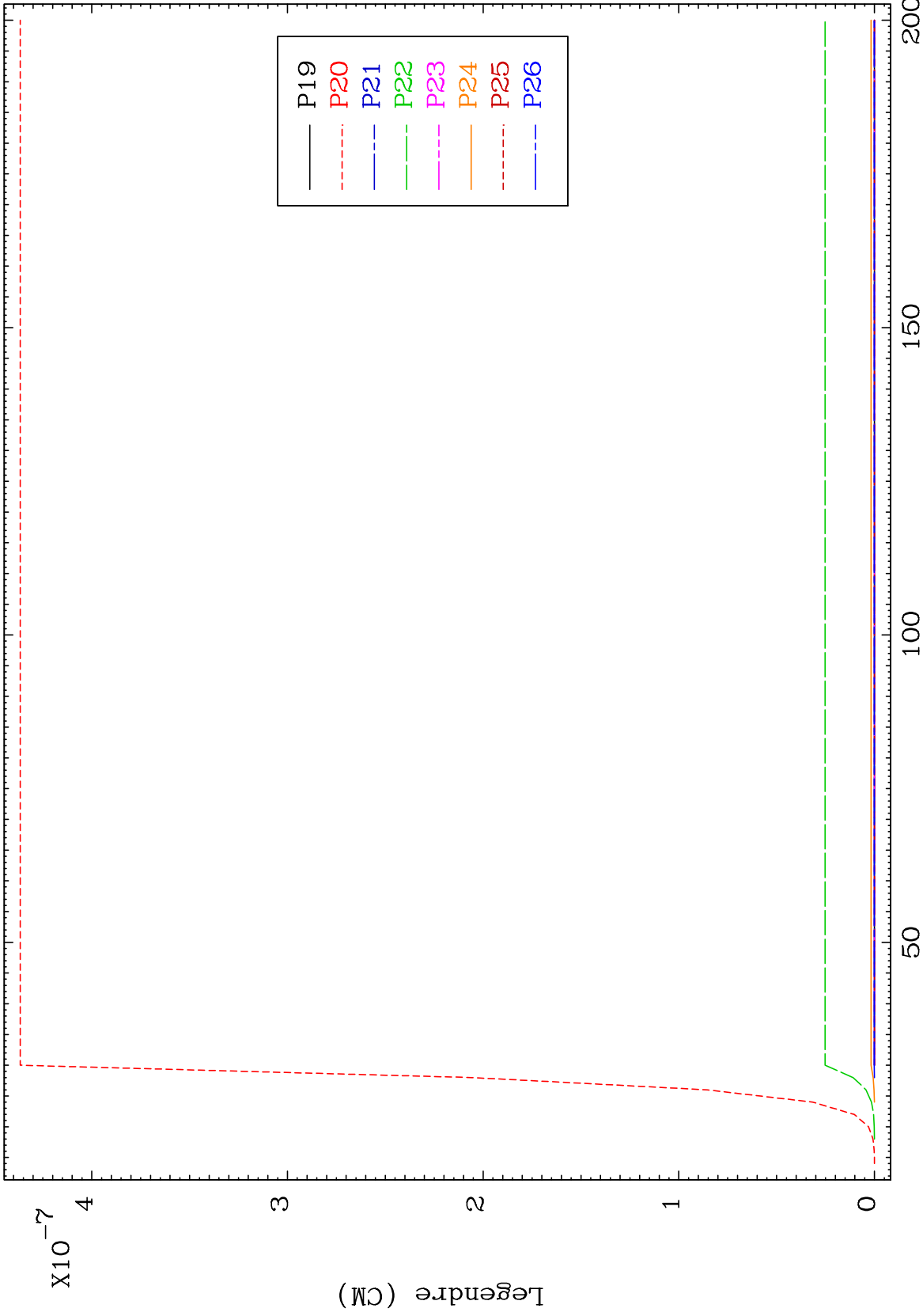
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



99

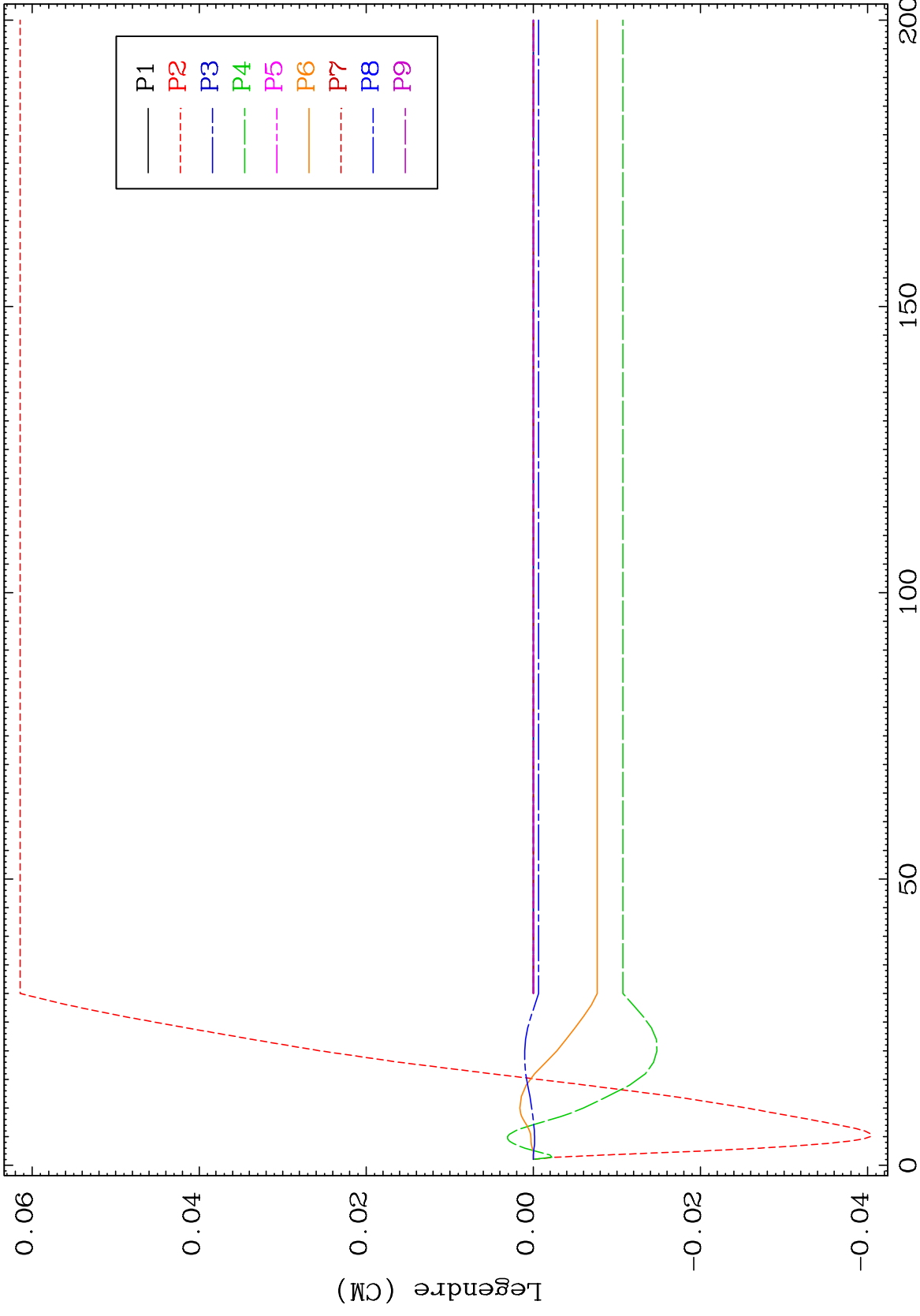
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



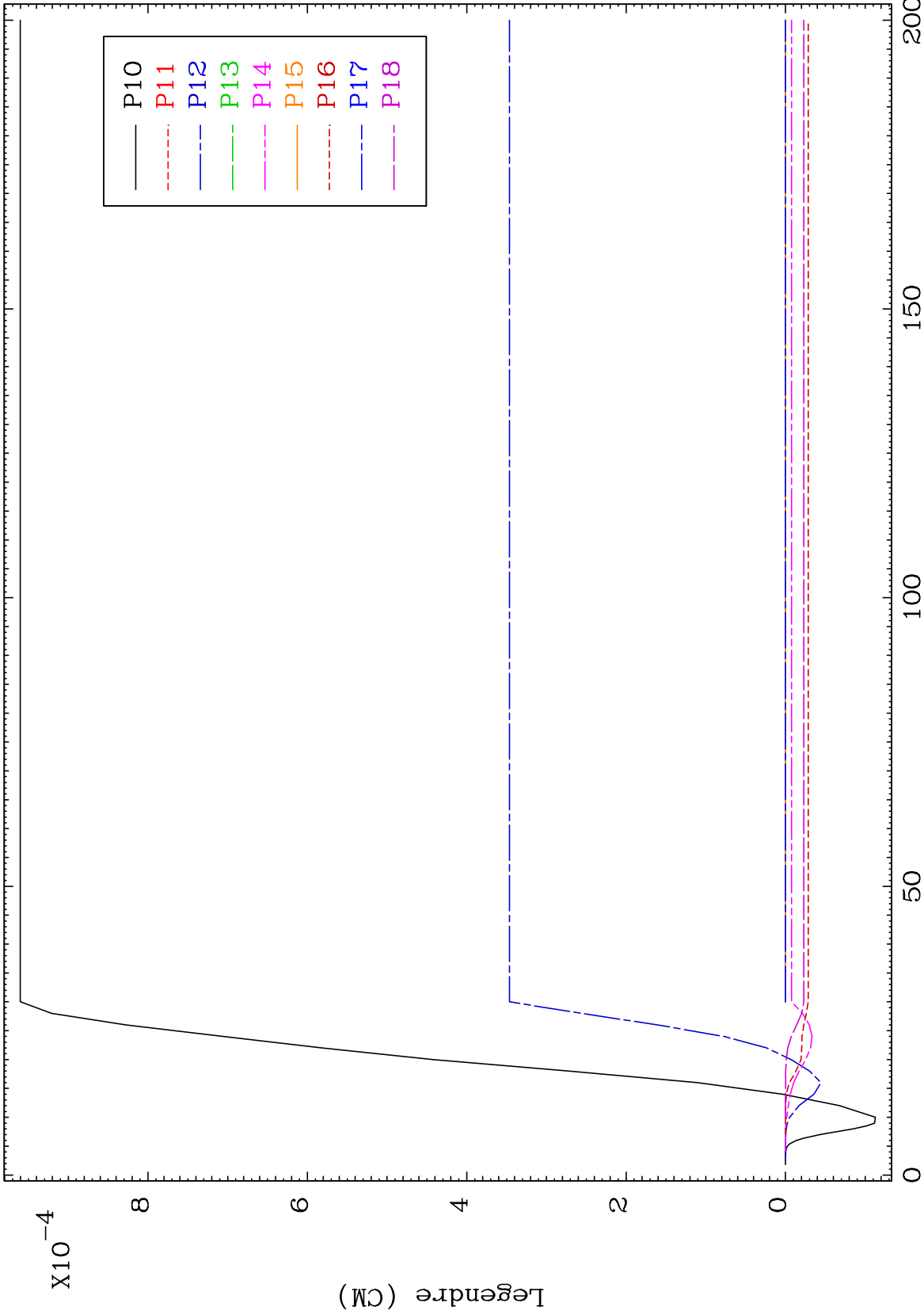
59-Pr-140

Incident Energy (MeV)

MAT 5922

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

59-Pr-140



101

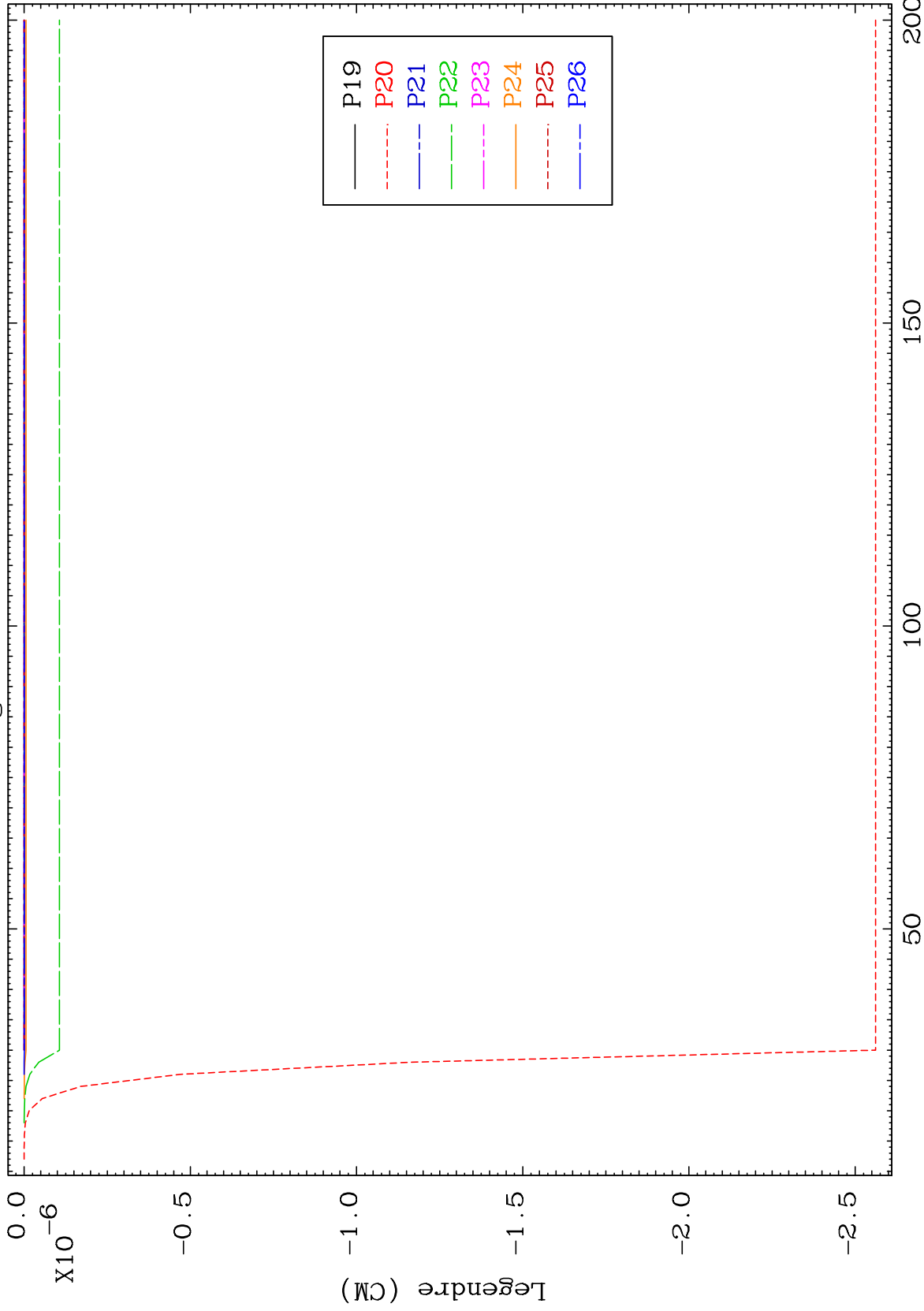
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140

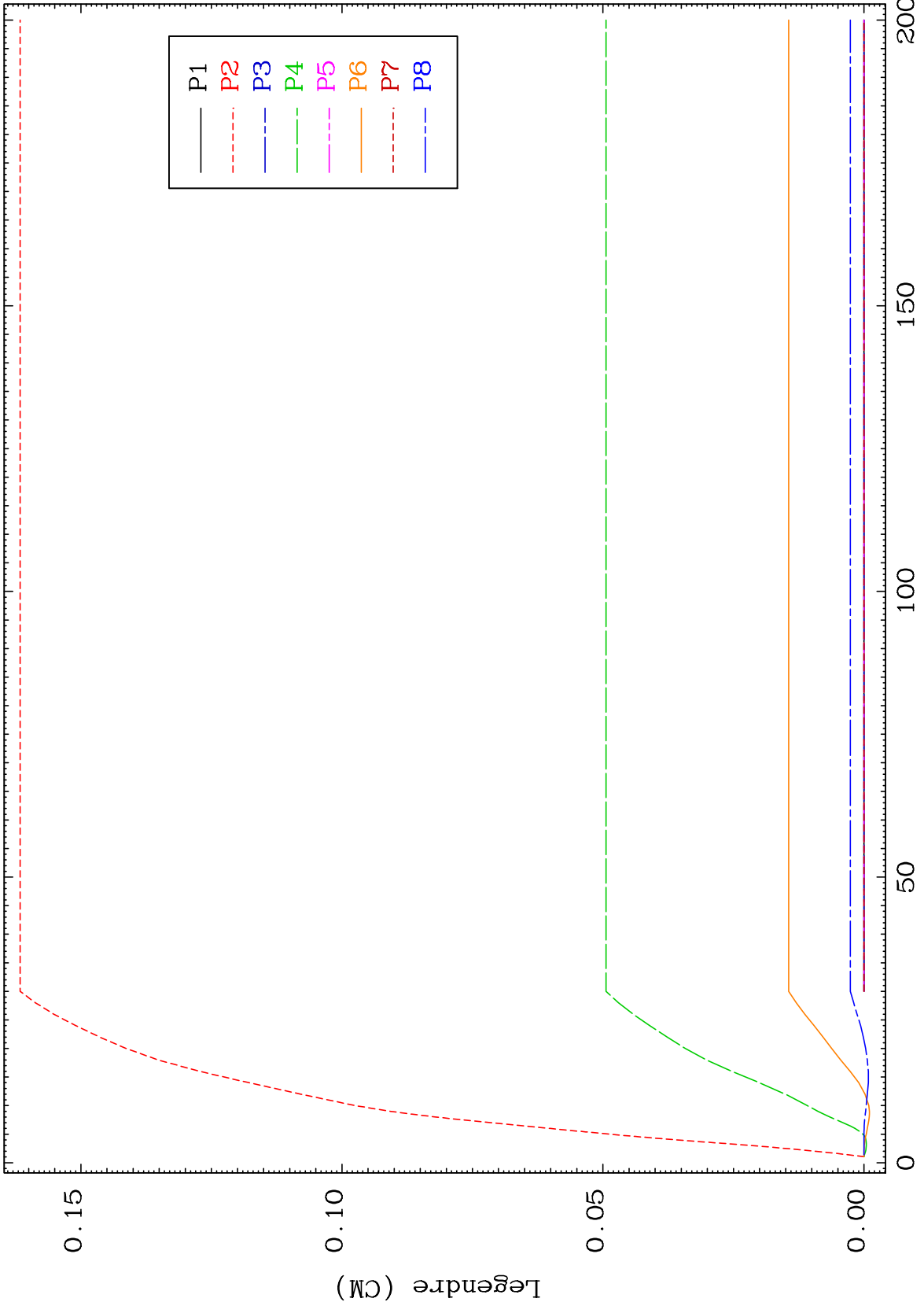


102

Incident Energy (MeV)

59-Pr-140

MAT 5922 MT= 75 (n,n') Level Legendre Coefficients 59-Pr-140

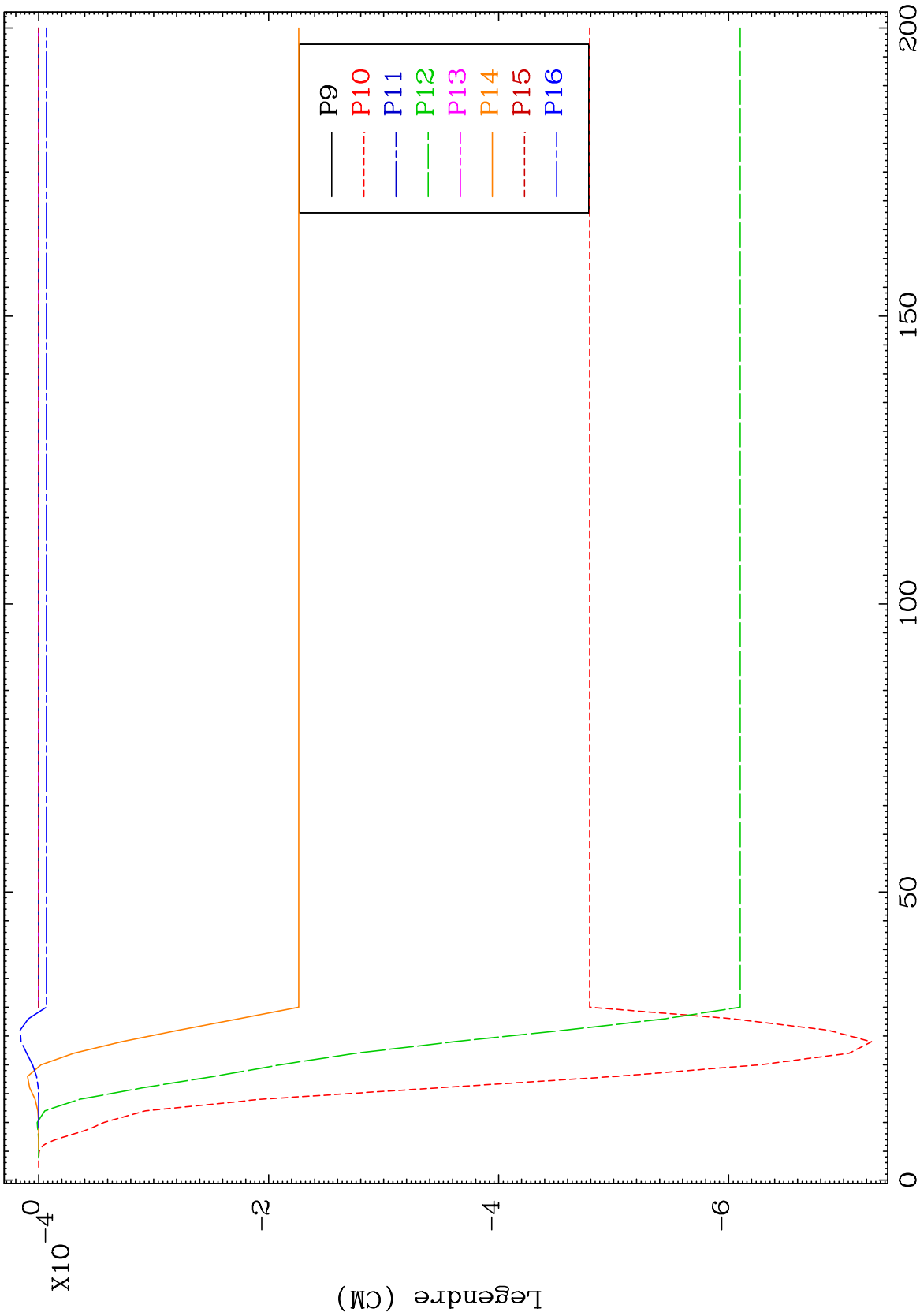


103 59-Pr-140

MAT 5922

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

59-Pr-140

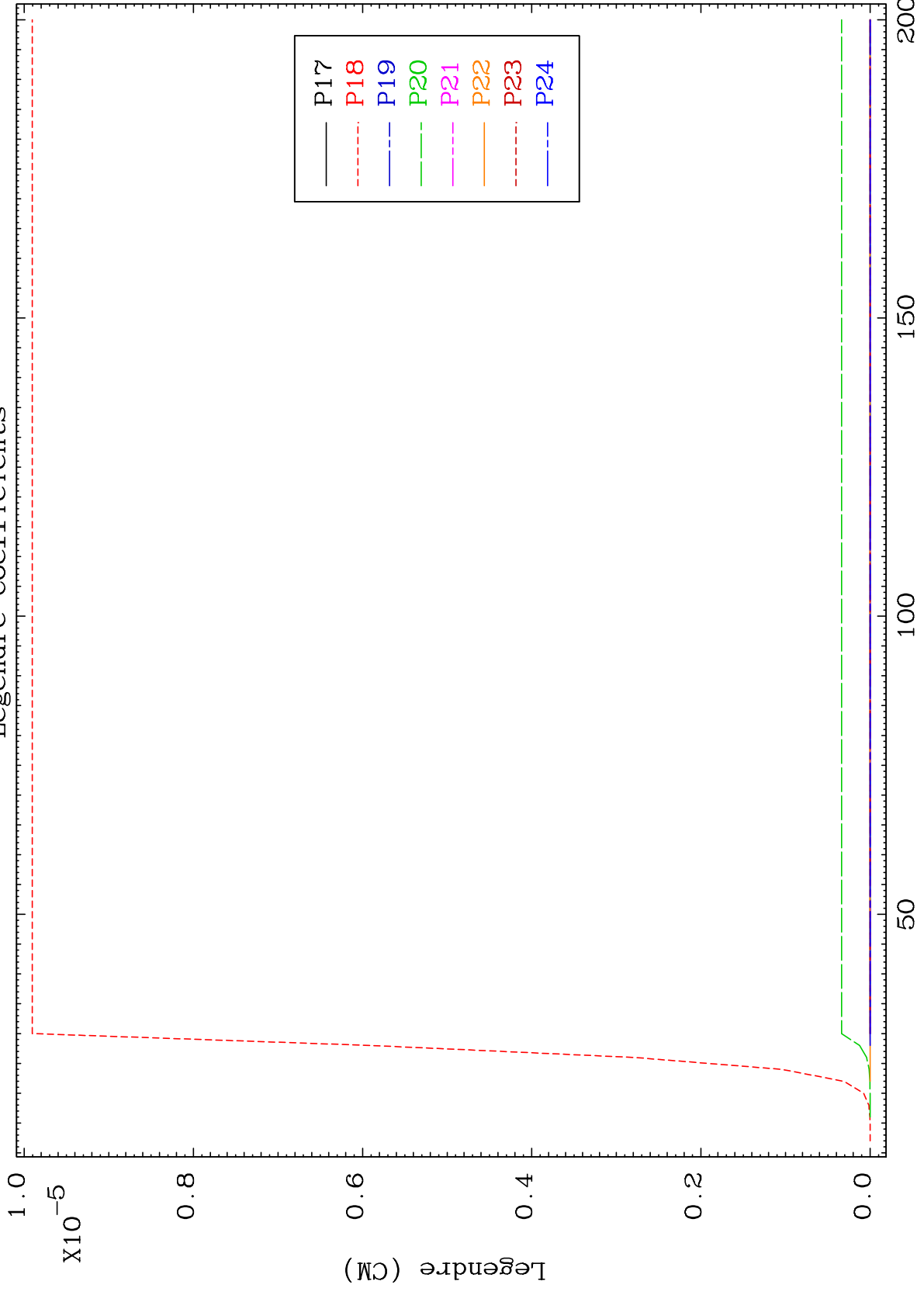


104

Incident Energy (MeV)

59-Pr-140

MAT 5922 MT= 75 (n,n') Level Legendre Coefficients 59-Pr-140

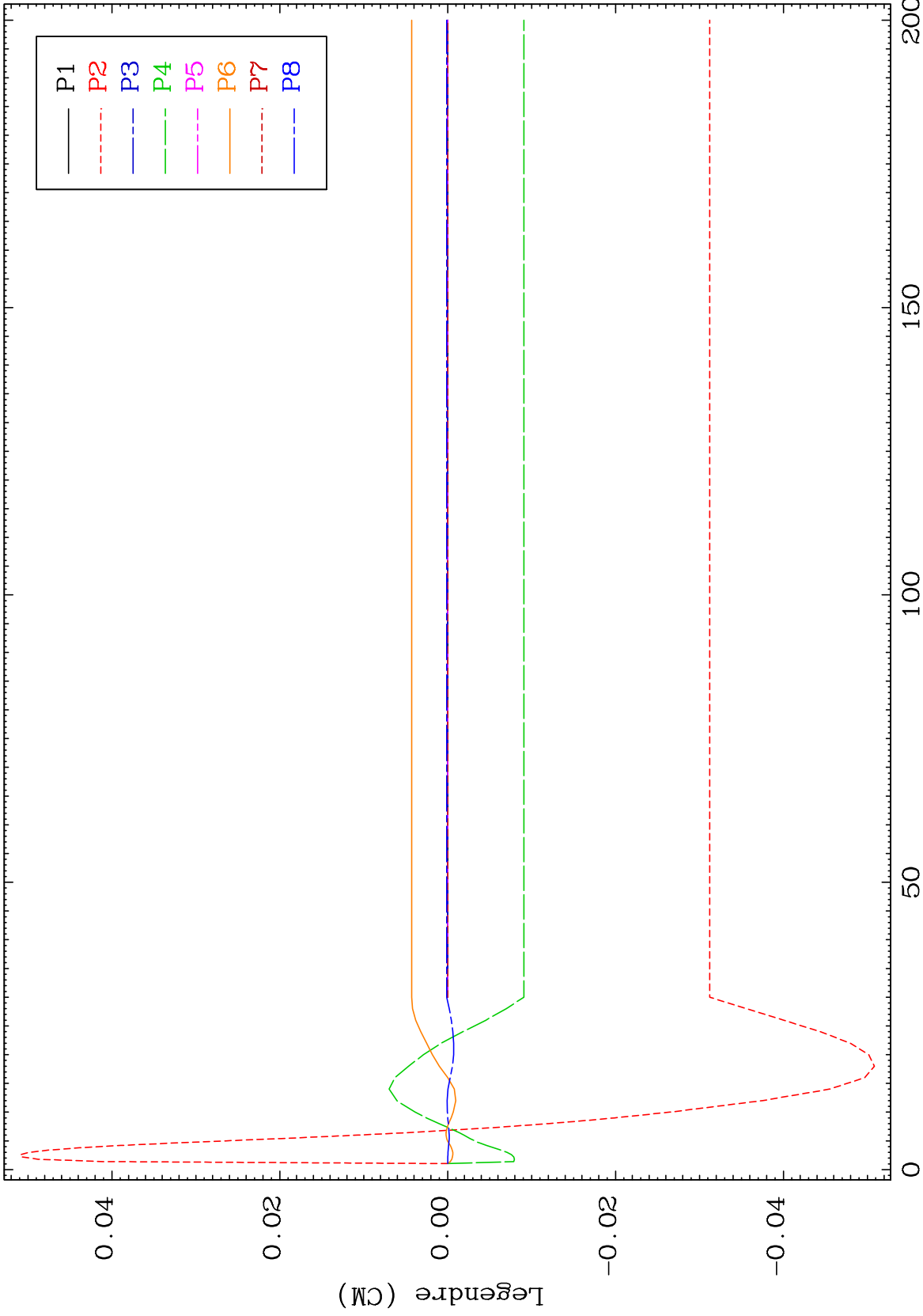


59-Pr-140

MAT 5922

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

59-Pr-140



106

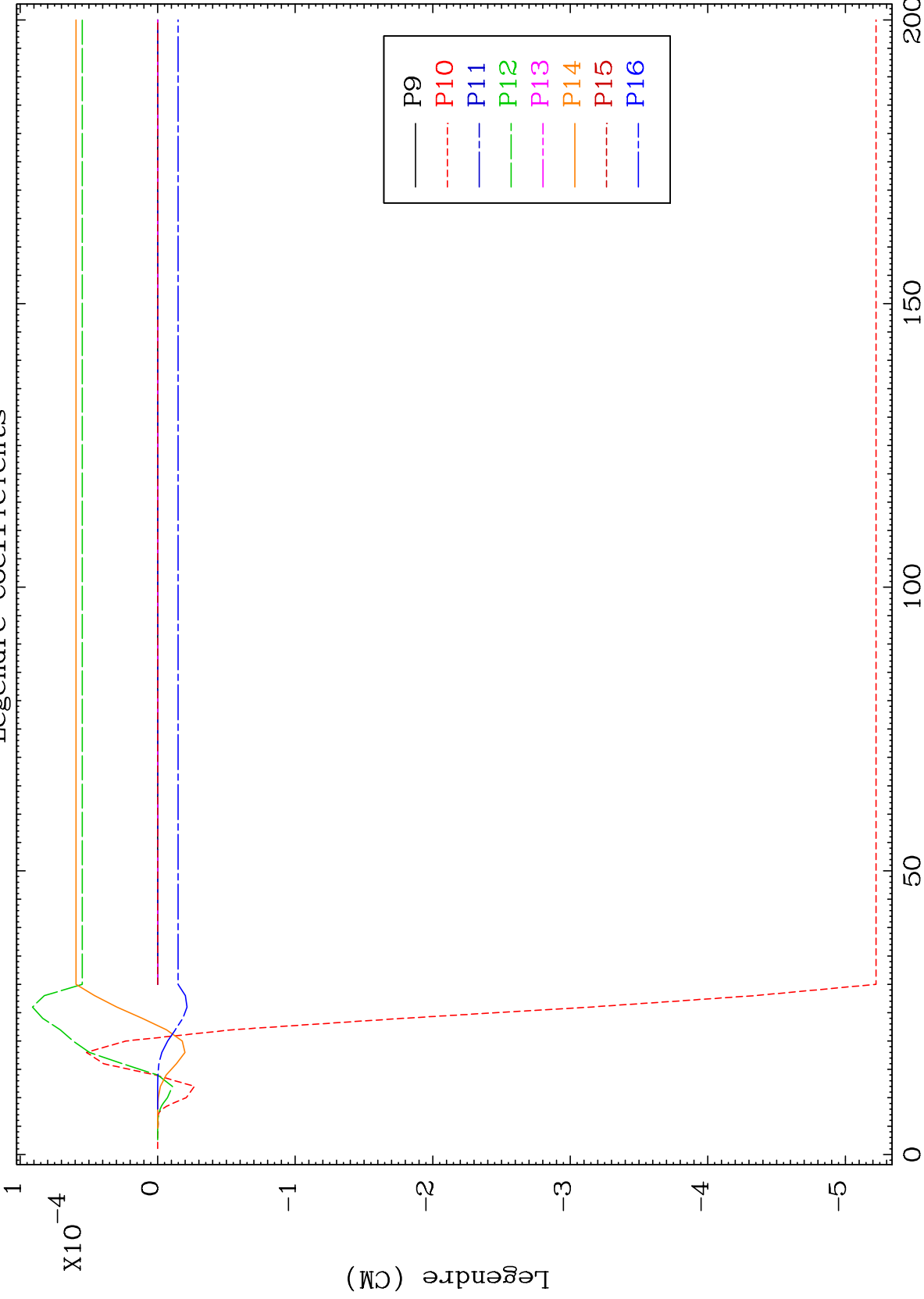
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



107

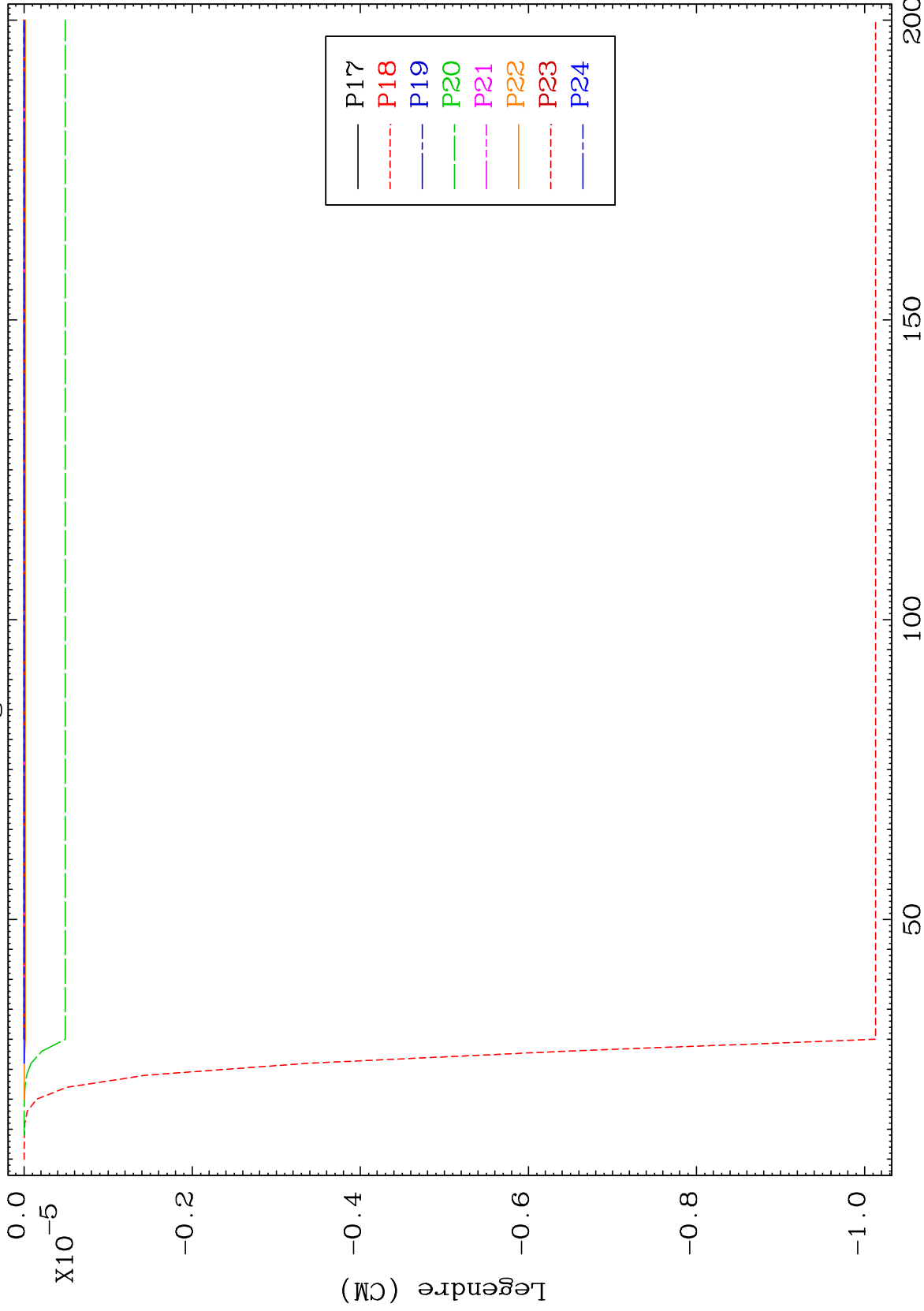
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



108

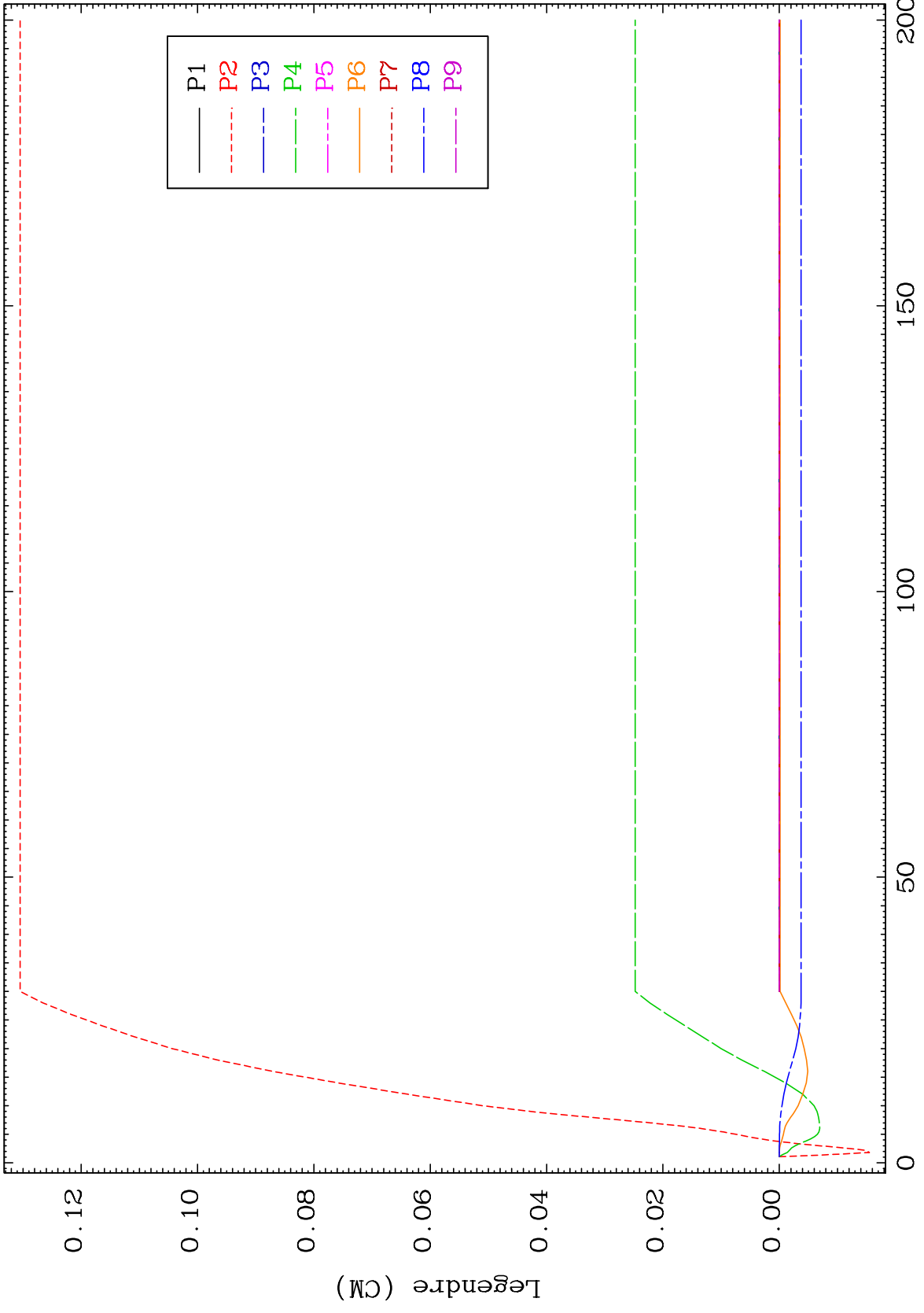
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



109

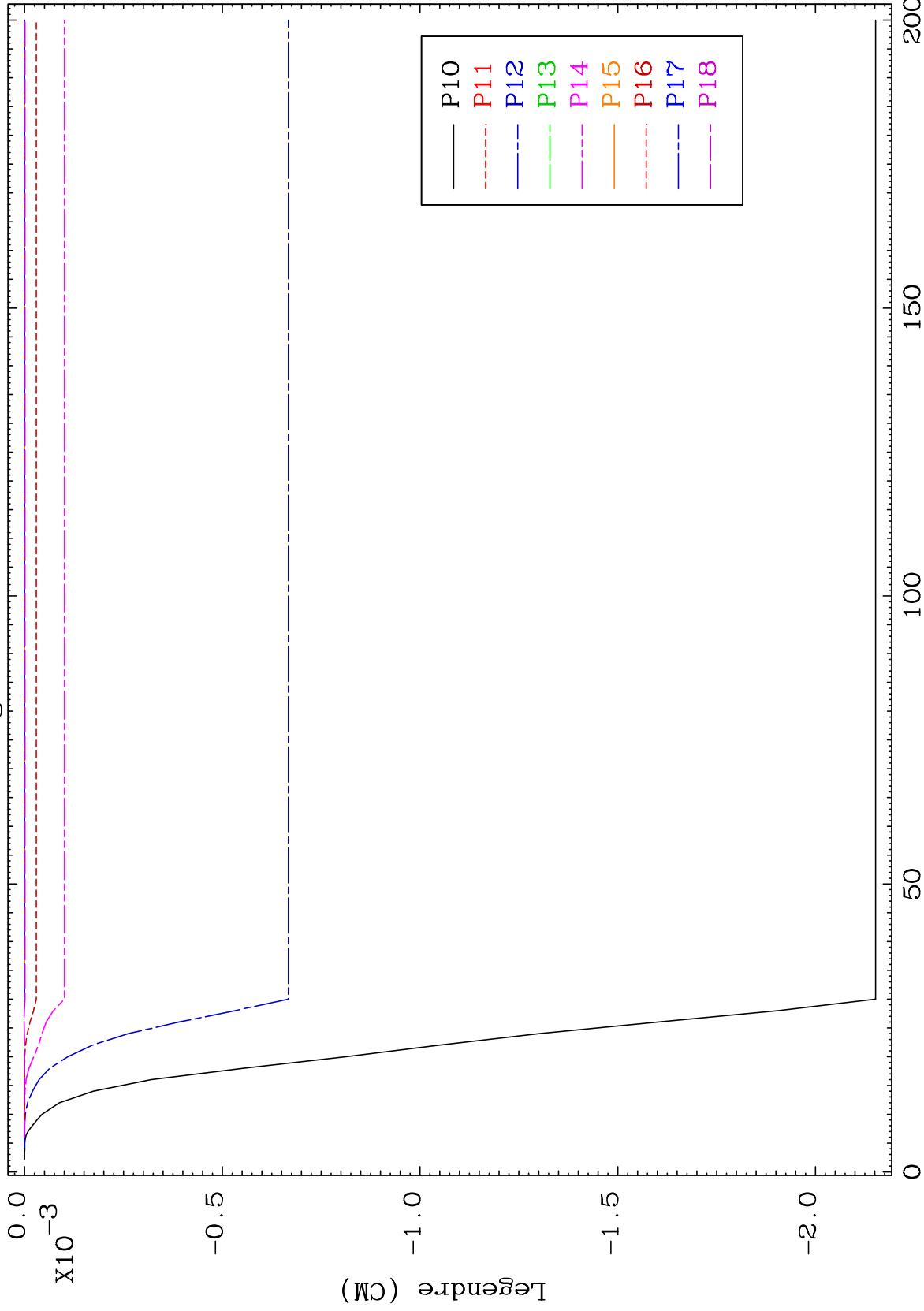
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



110

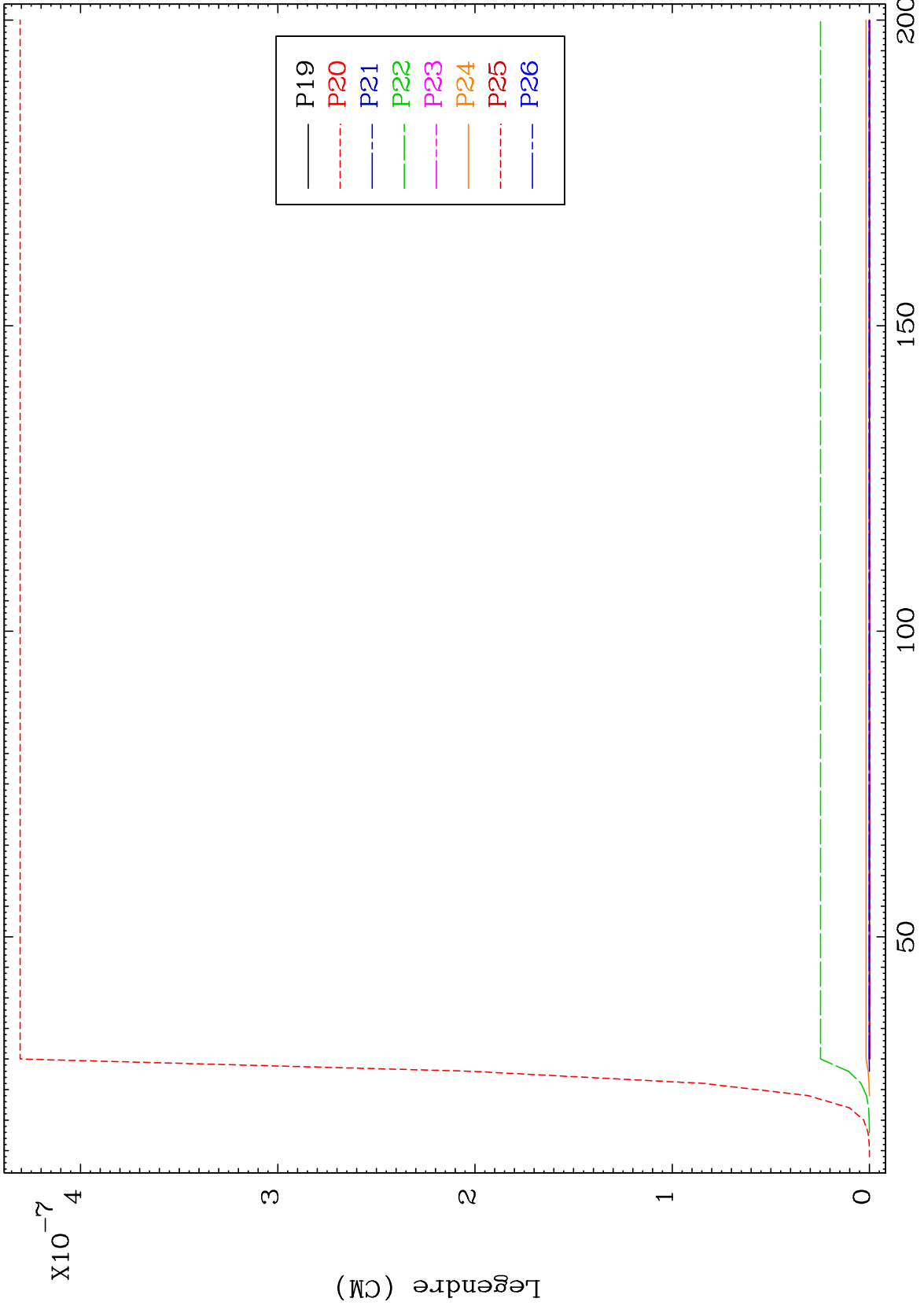
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



111

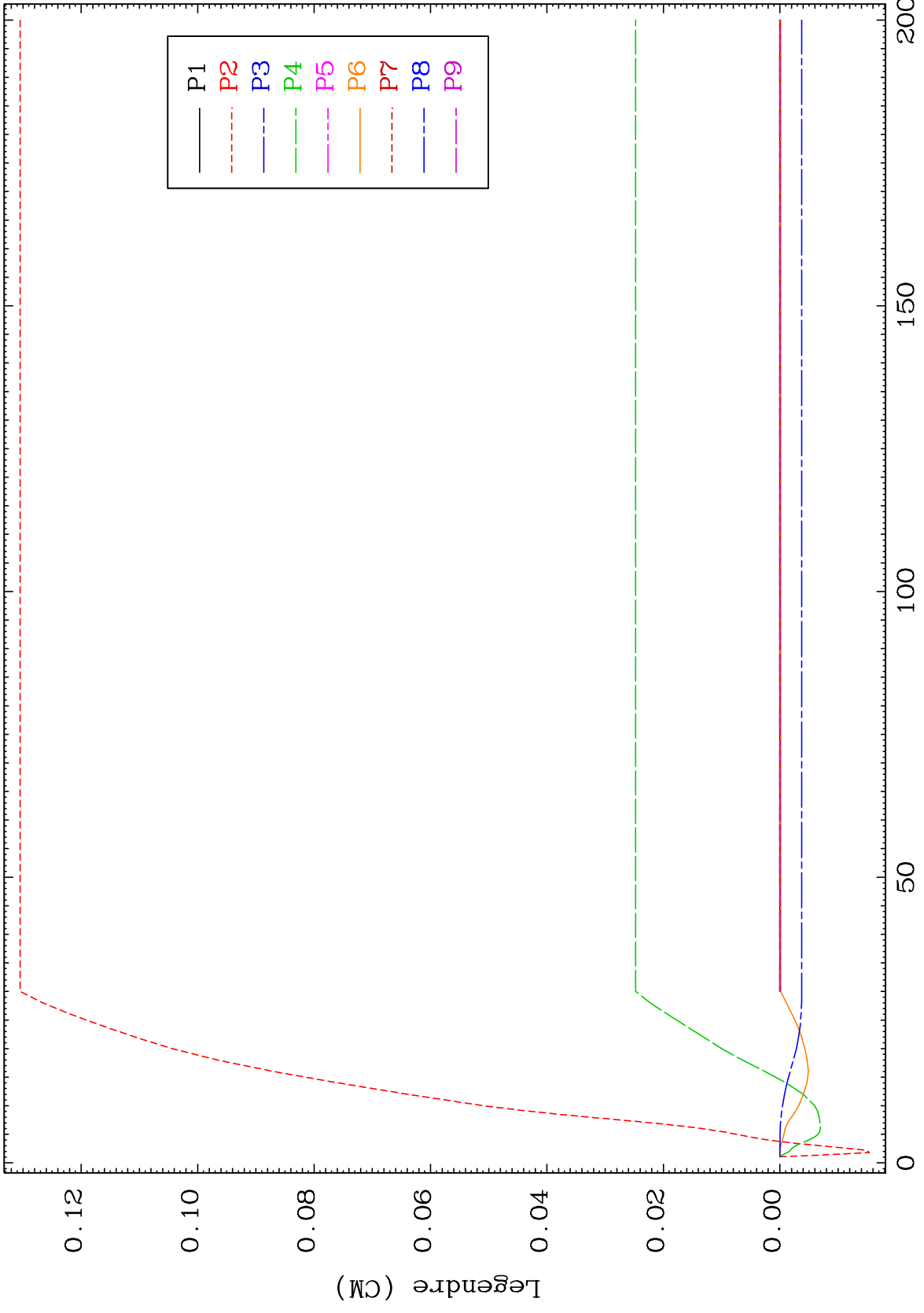
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



112

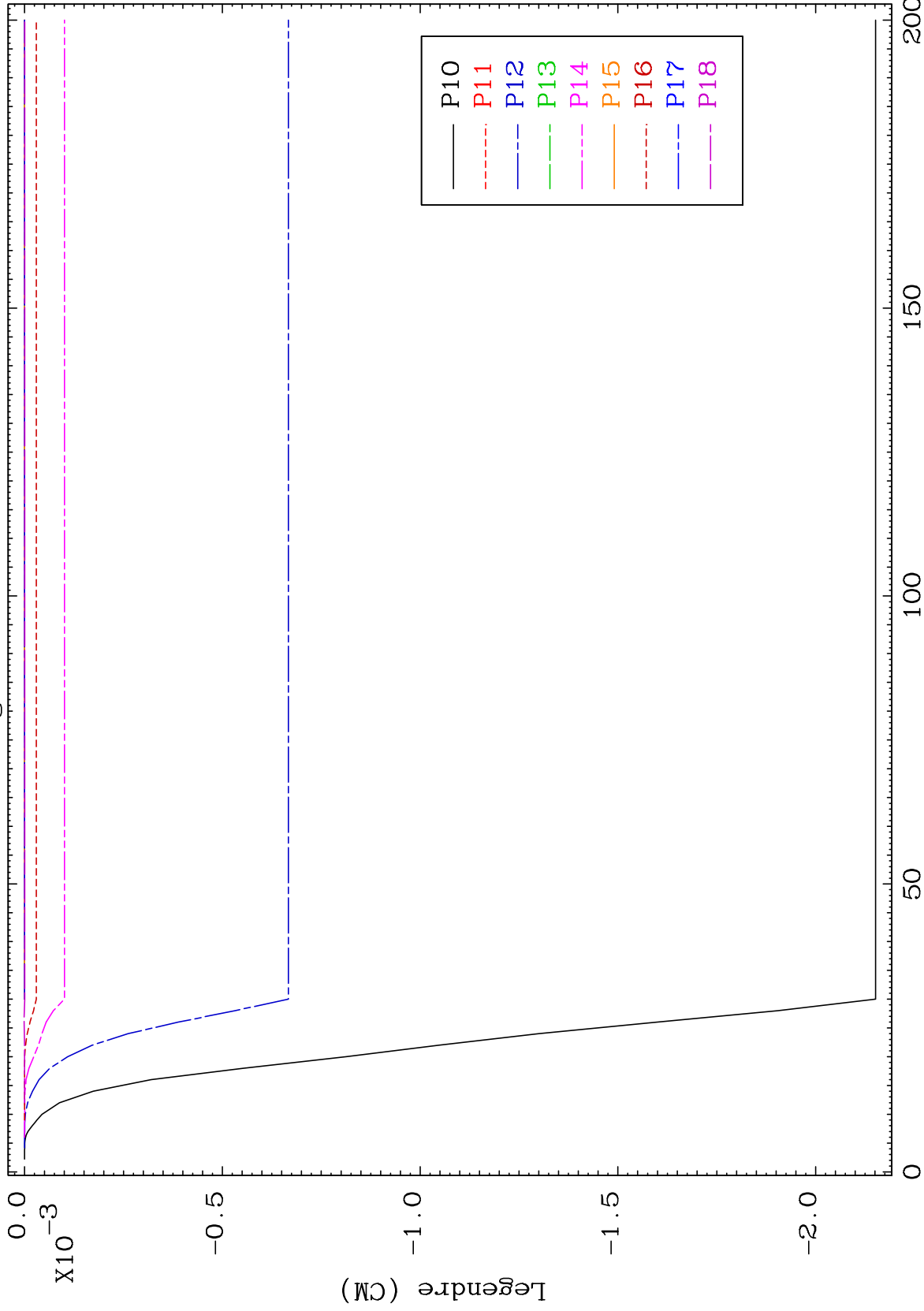
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140

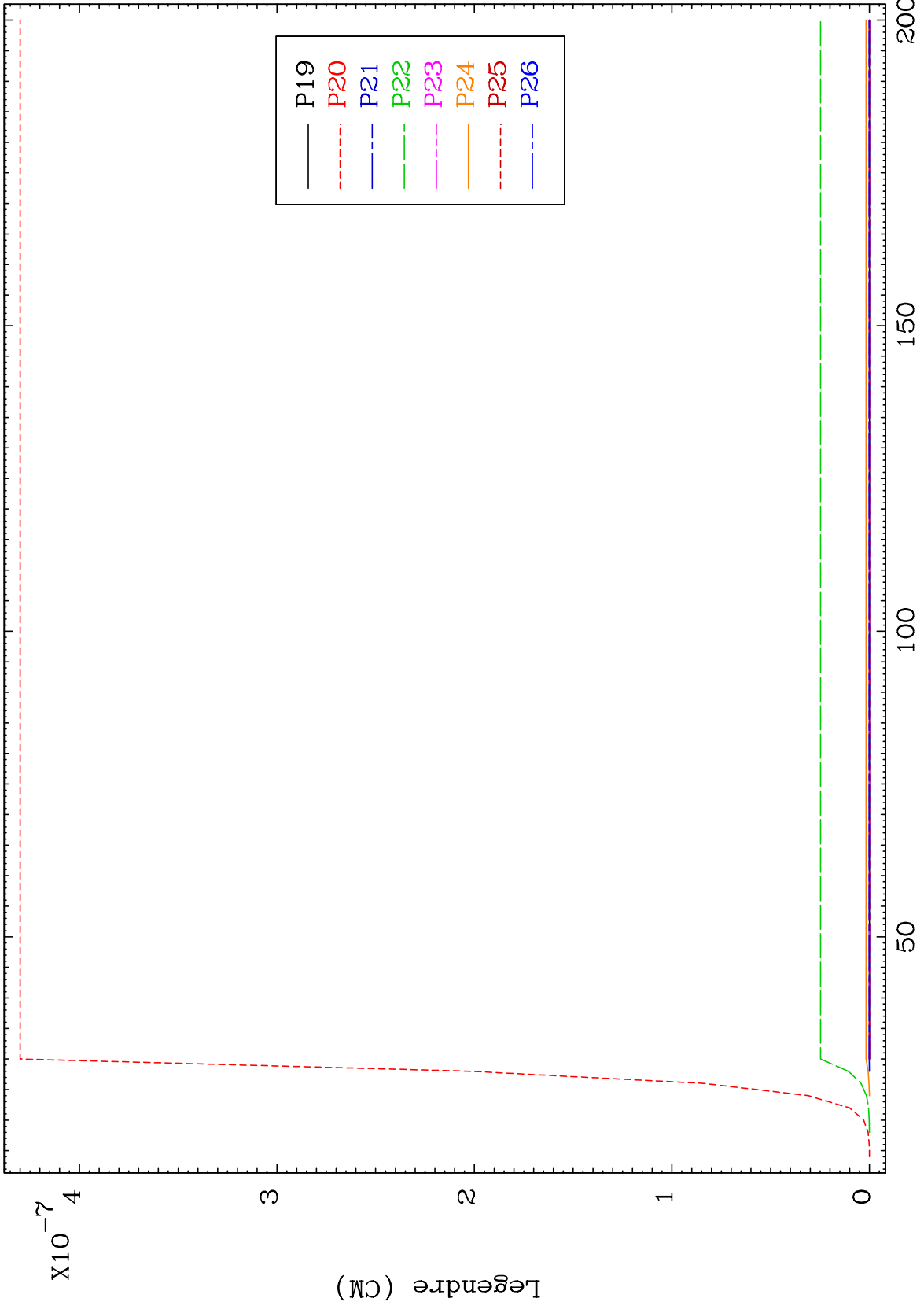


113

Incident Energy (MeV)

59-Pr-140

MAT 5922 MT= 78 (n,n') Level Legendre Coefficients 59-Pr-140

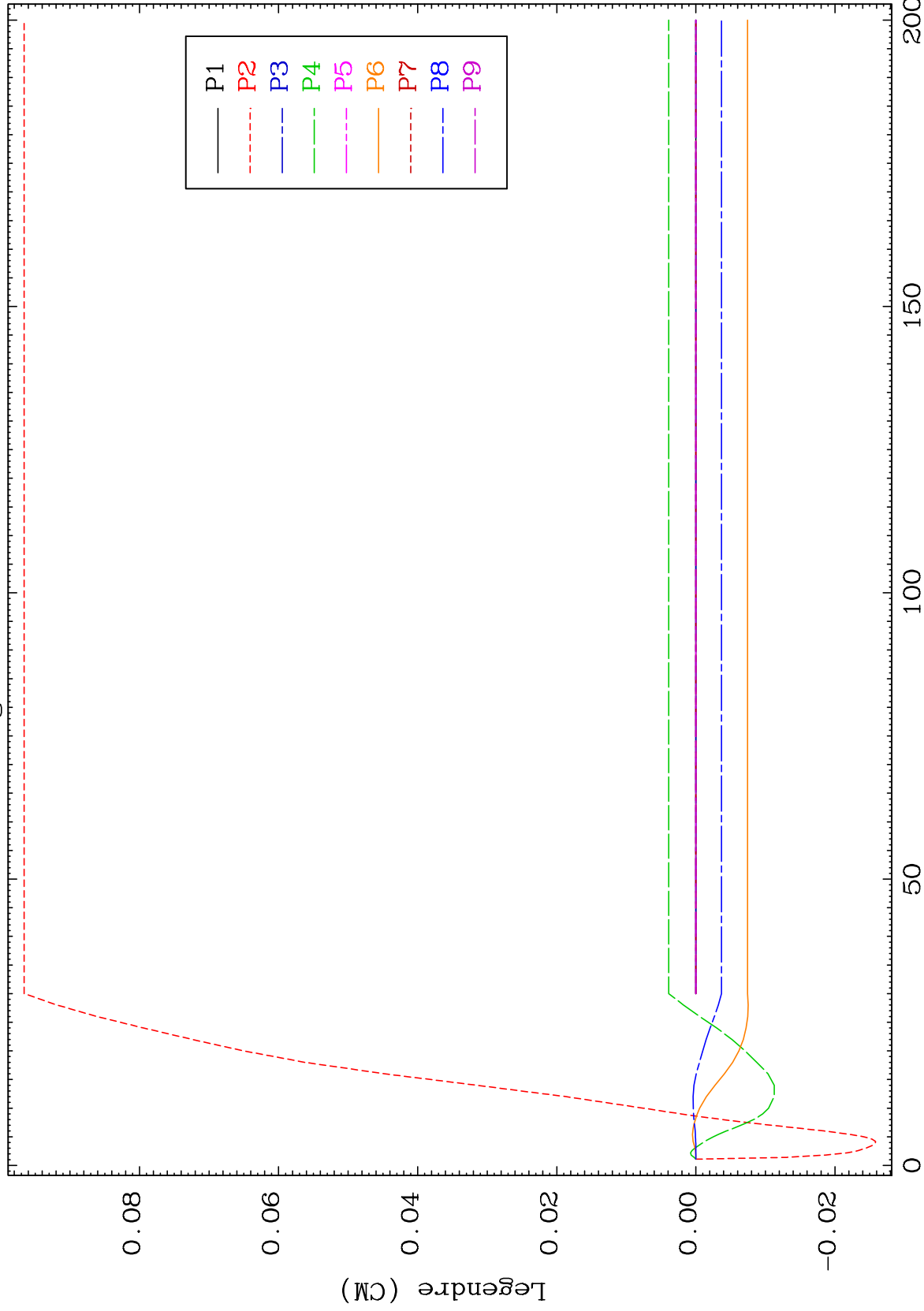


114 59-Pr-140

MAT 5922

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

59-Pr-140



59-Pr-140

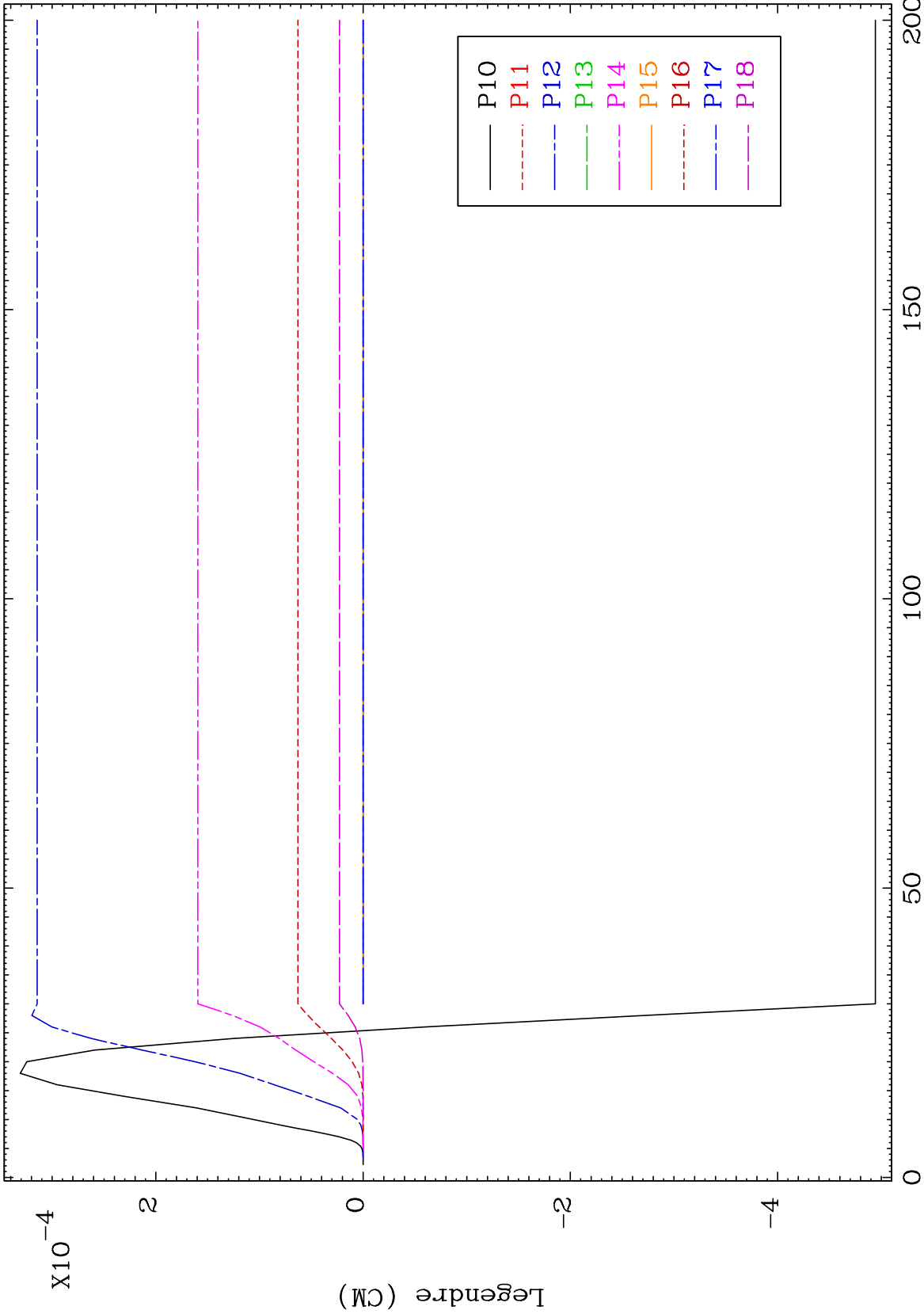
Incident Energy (MeV)

115

MAT 5922

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

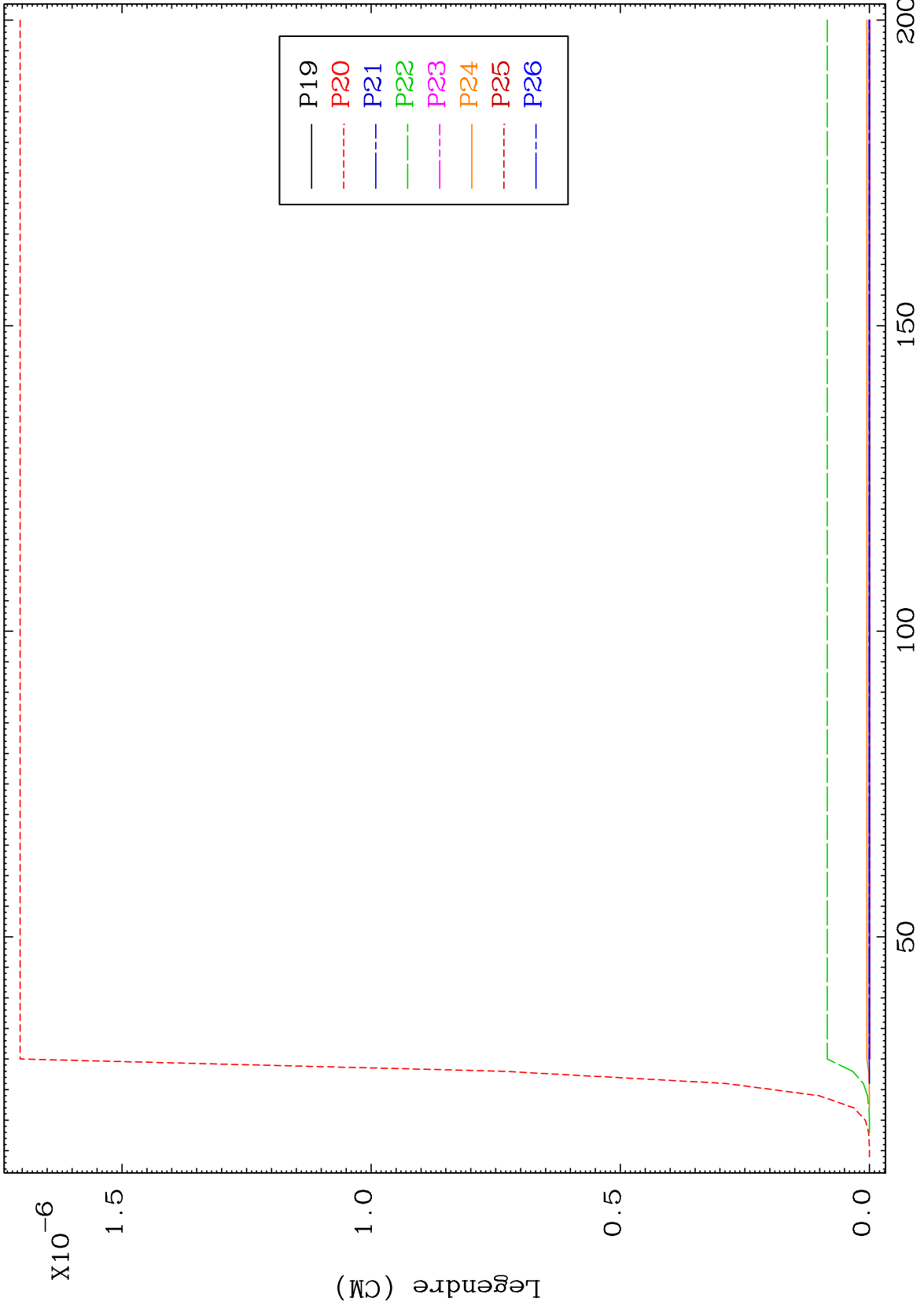
59-Pr-140



116

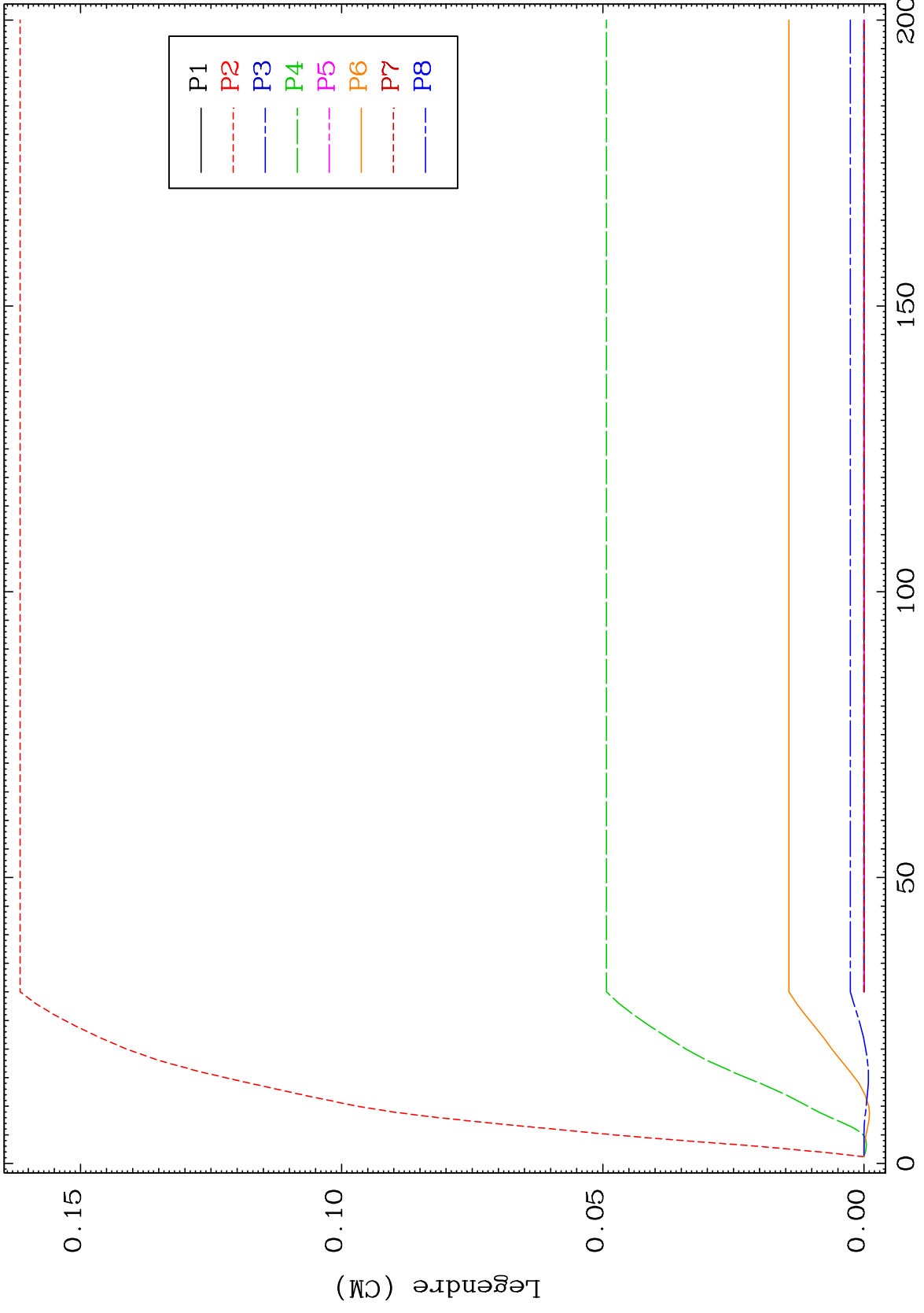
59-Pr-140

MAT 5922 MT= 79 (n,n') Level Legendre Coefficients 59-Pr-140



117 59-Pr-140

MAT 5922 MT= 80 (n,n') Level Legendre Coefficients 59-Pr-140

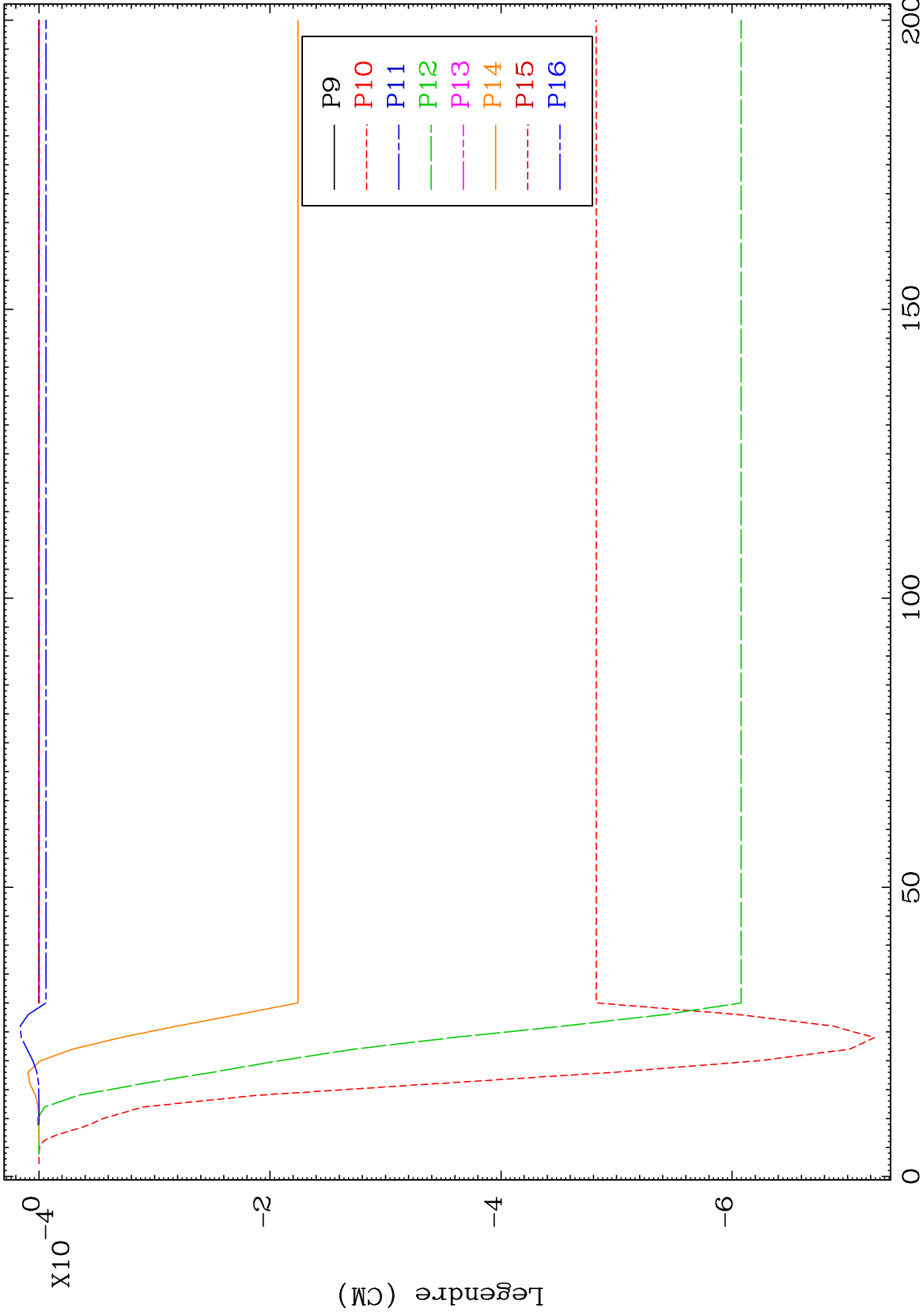


118 59-Pr-140

MAT 5922

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

59-Pr-140

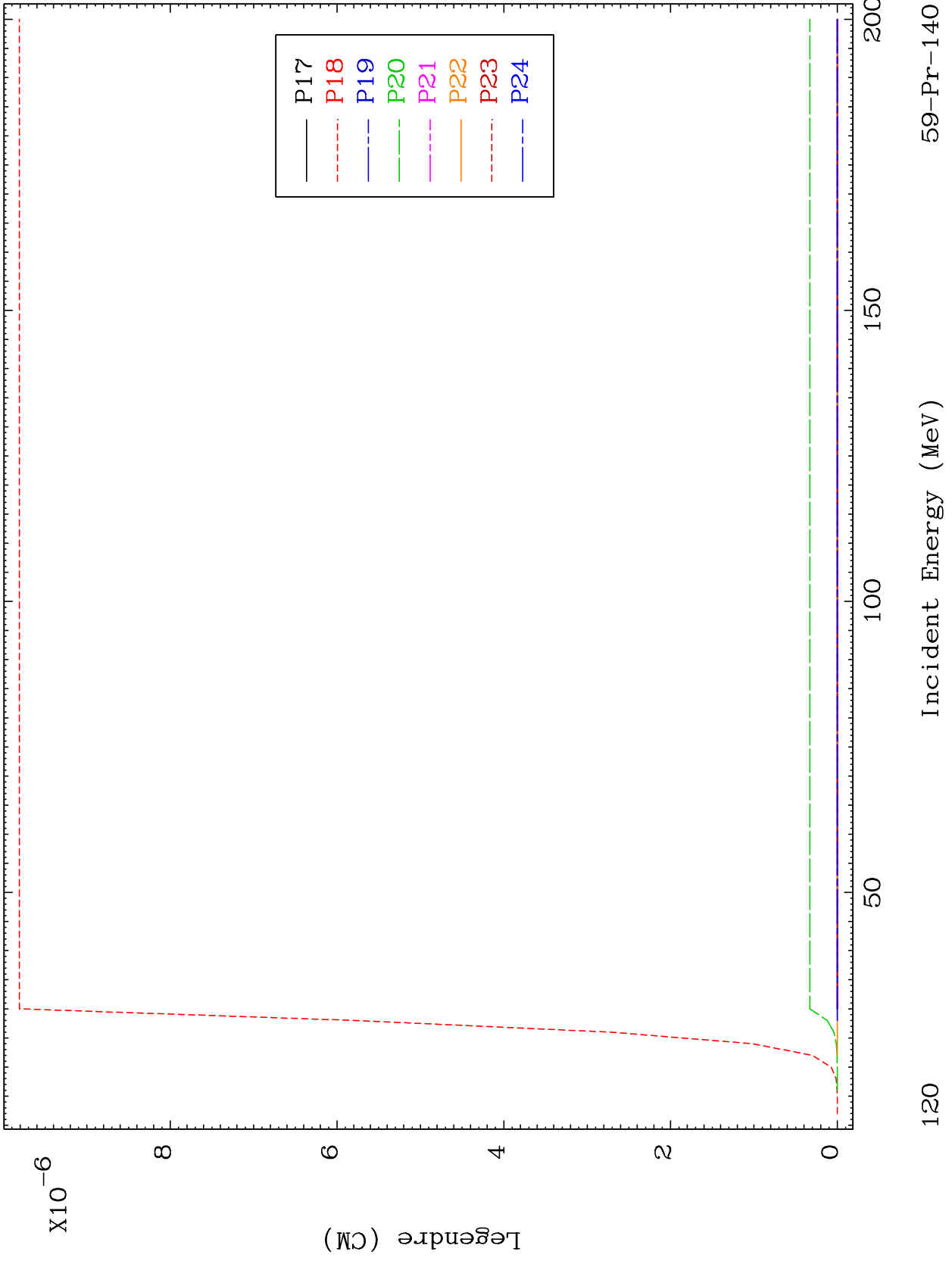


119

Incident Energy (MeV)

59-Pr-140

MAT 5922 MT= 80 (n,n') Level Legendre Coefficients 59-Pr-140

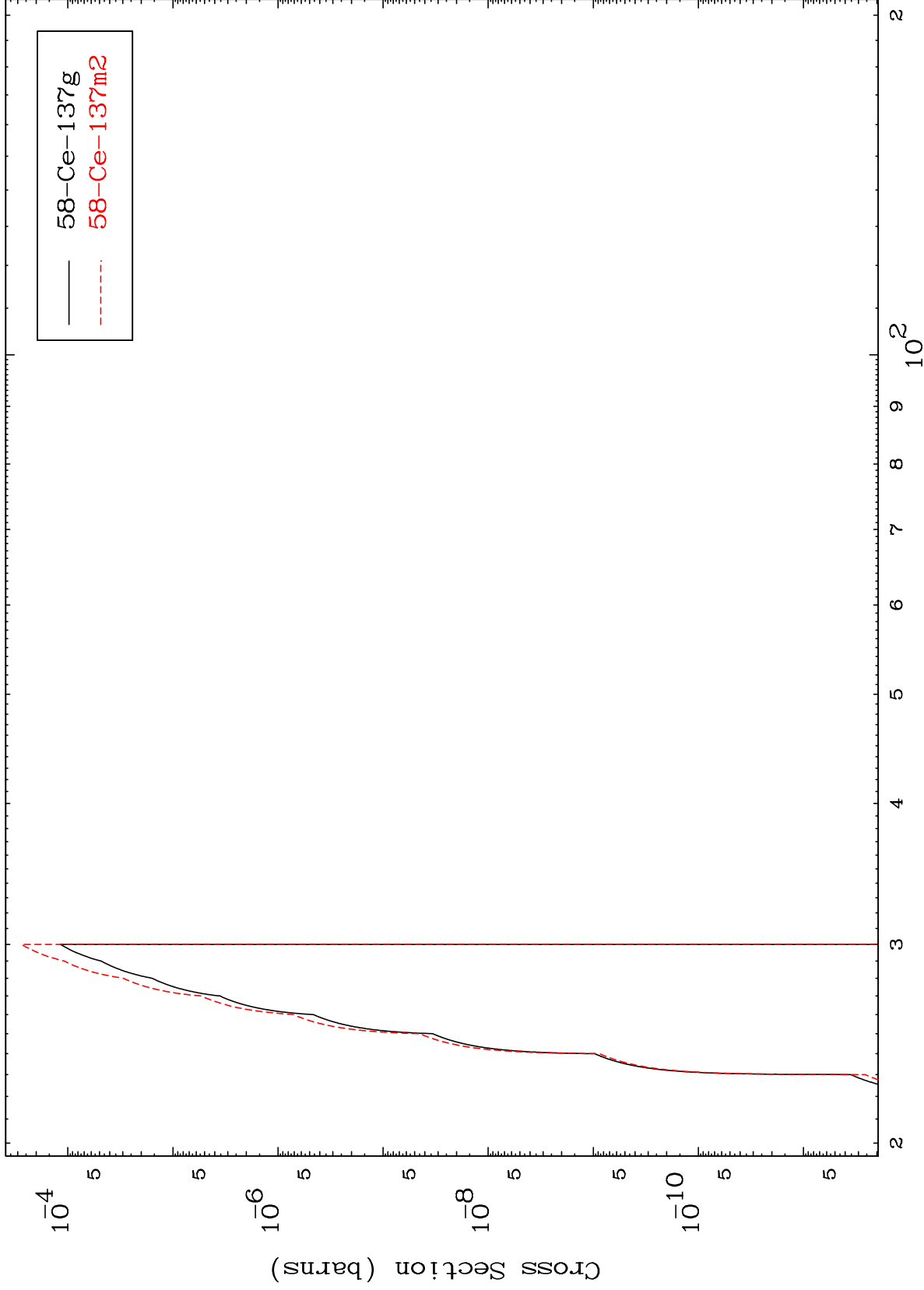


MAT 5922

(n,2n) d

59-Pr-140

Radionuclide Production Cross Section



121

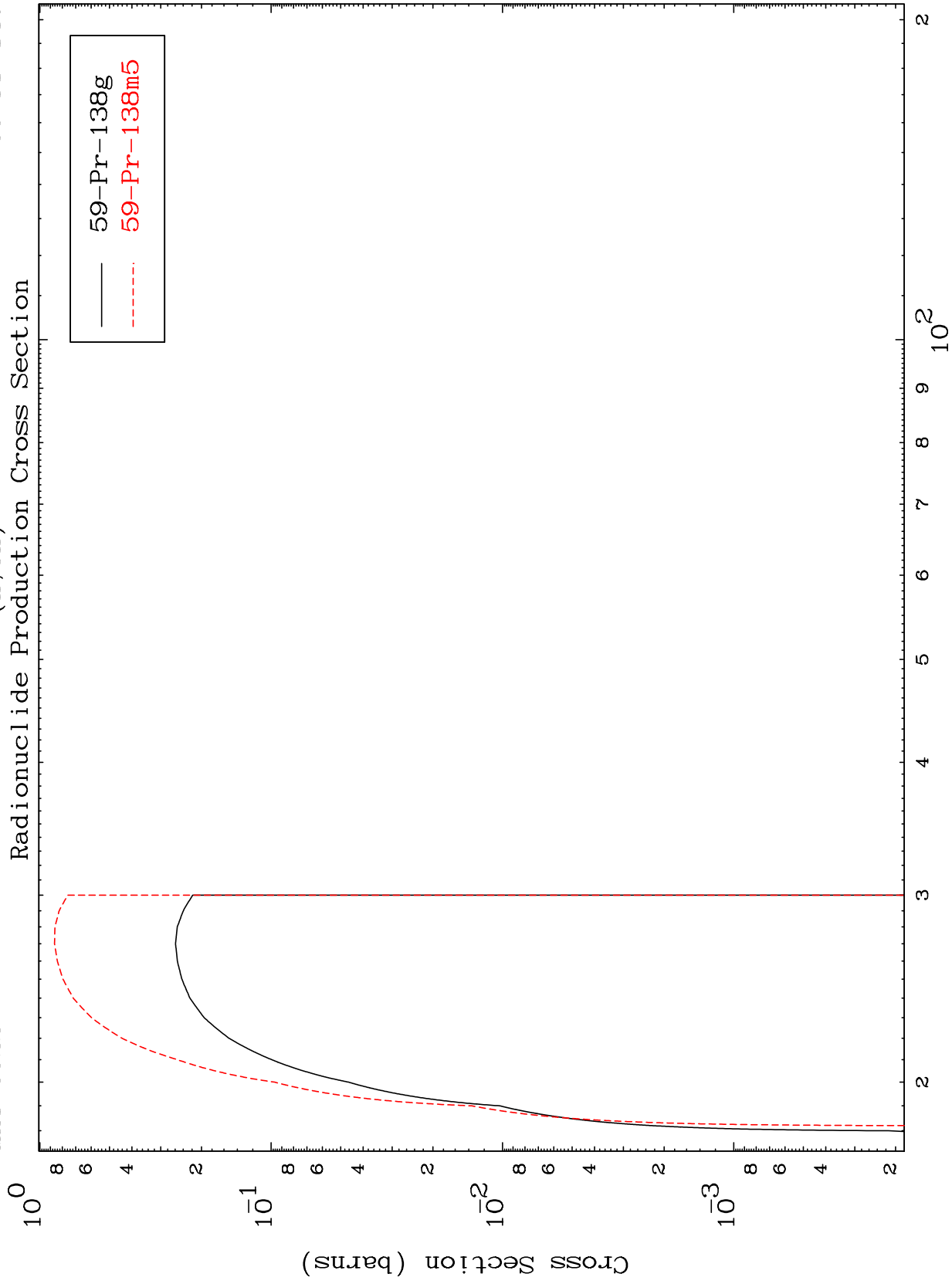
Incident Energy (MeV)

59-Pr-140

MAT 5922

59-Pr-140

(n,3n)
Radionuclide Production Cross Section



122

Incident Energy (MeV)

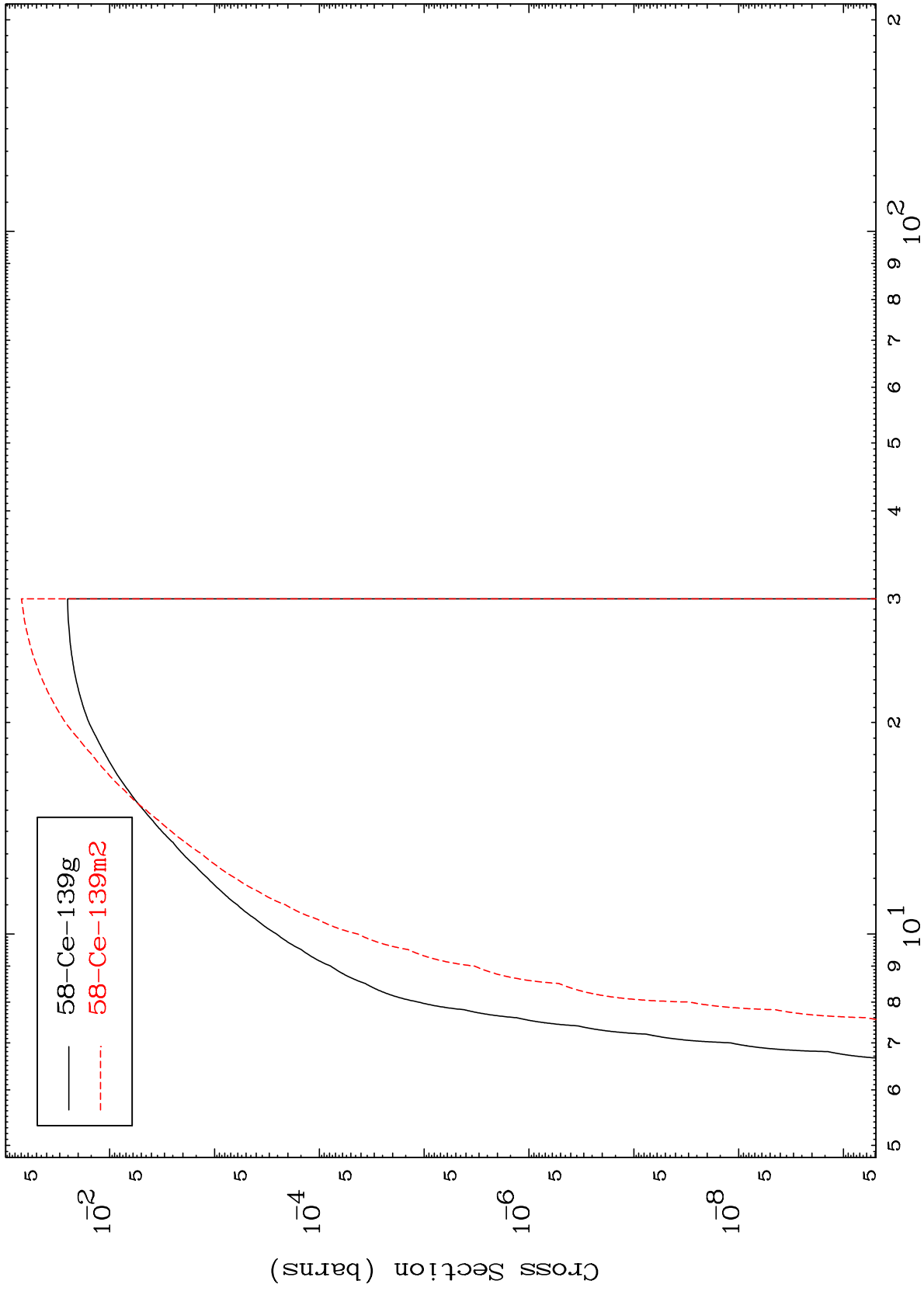
59-Pr-140

MAT 5922

(n,n') p

59-Pr-140

Radionuclide Production Cross Section

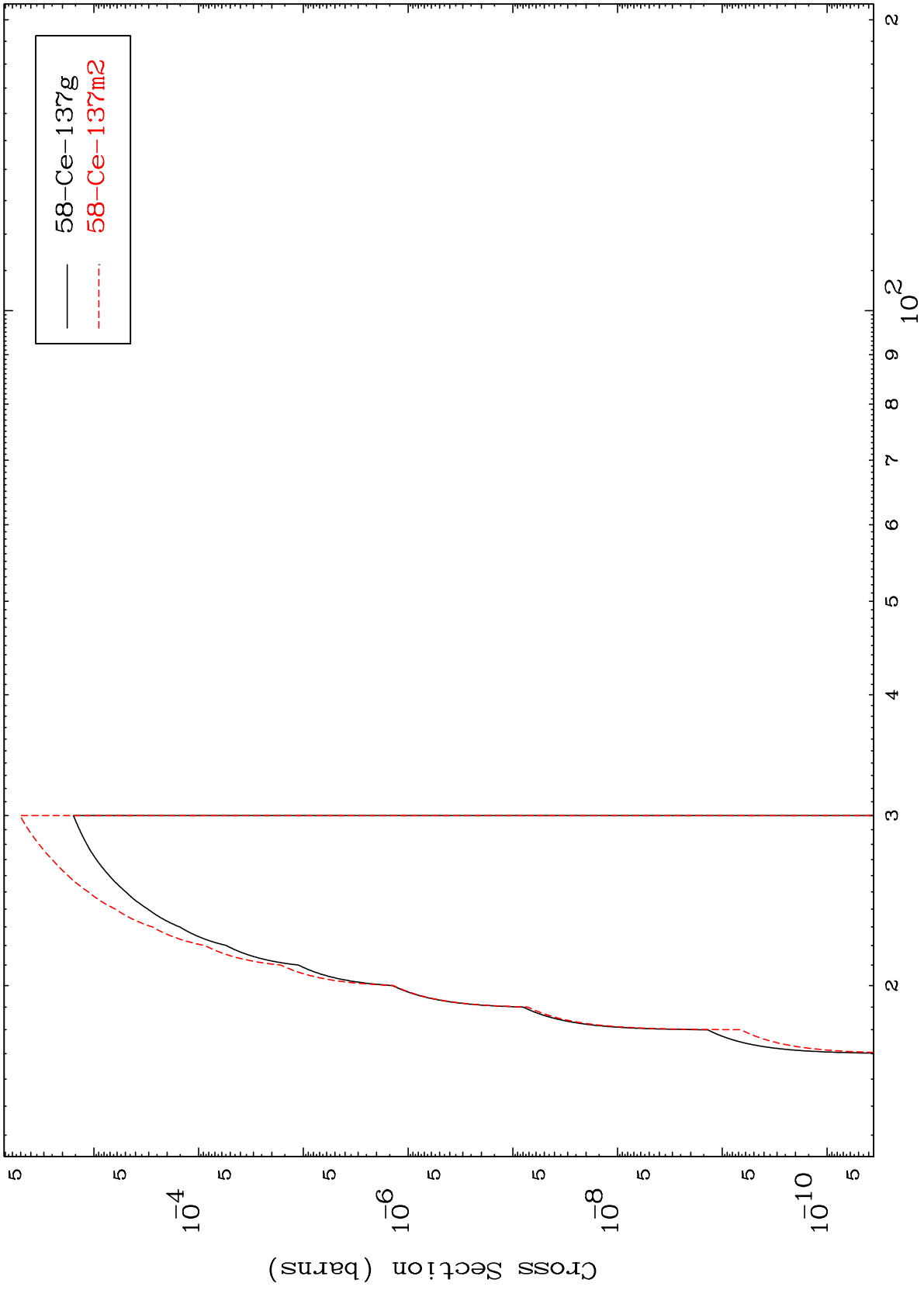


123

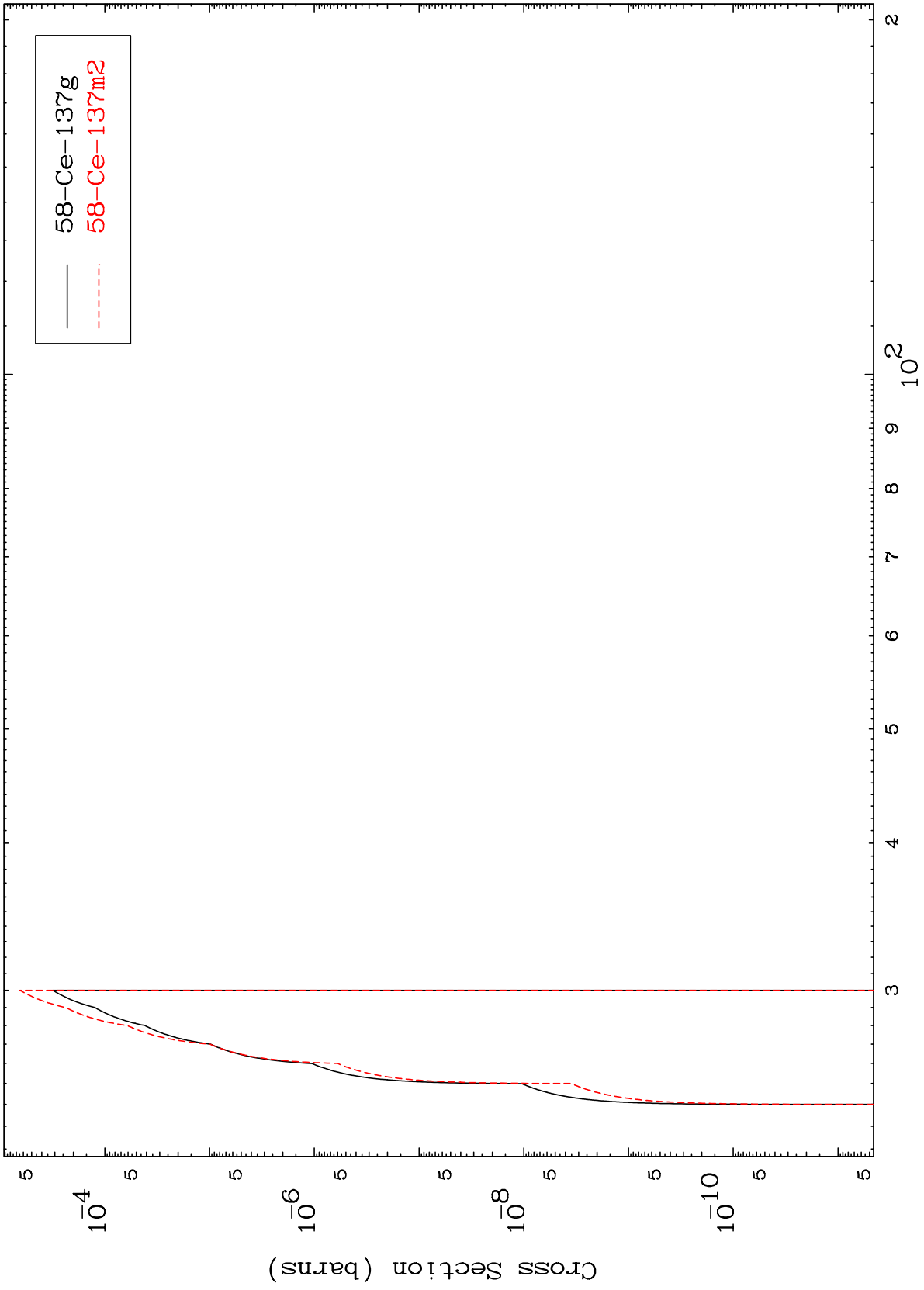
Incident Energy (MeV)

59-Pr-140

Radionuclide Production Cross Section



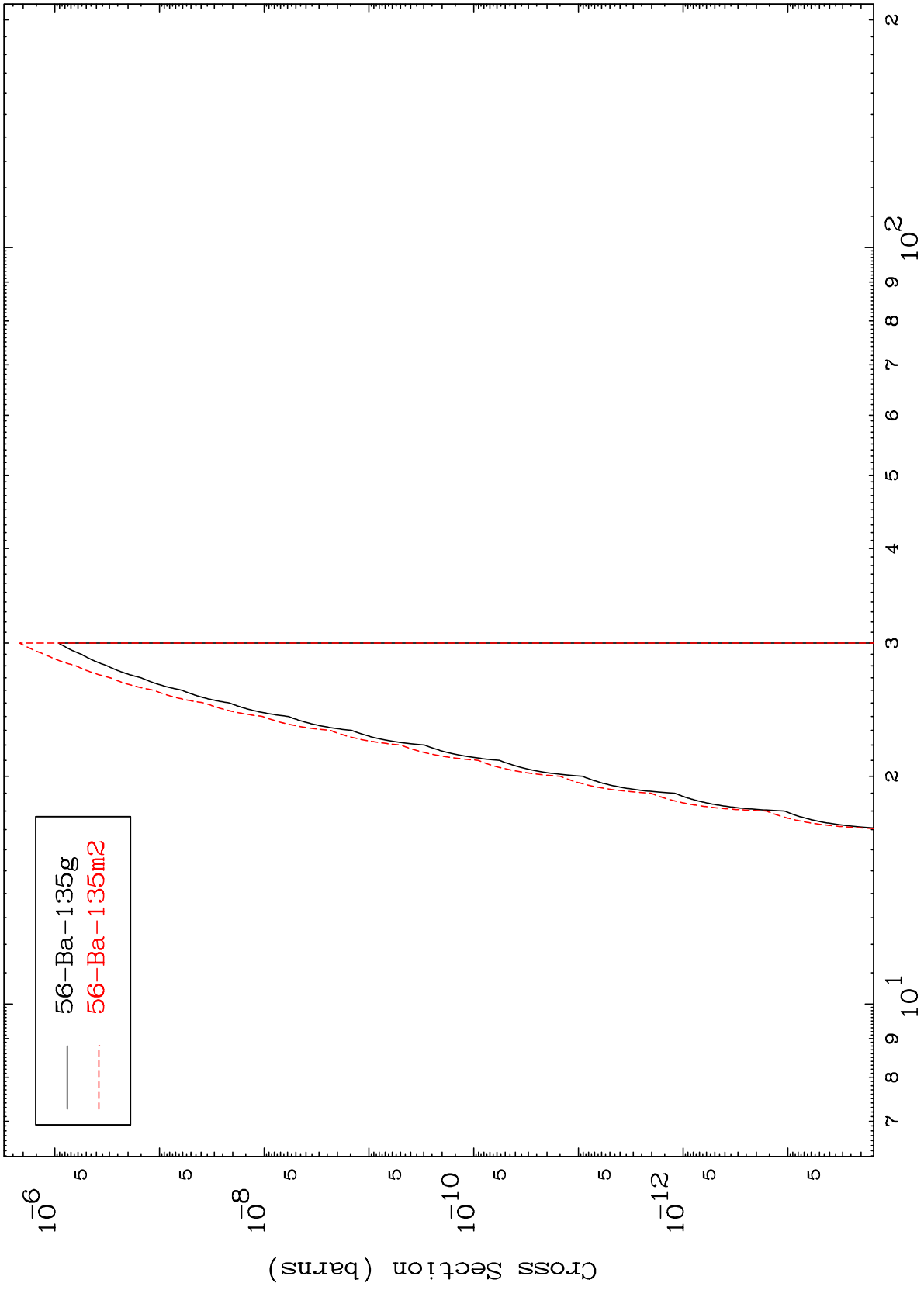
Radionuclide Production Cross Section



MAT 5922

59-Pr-140

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



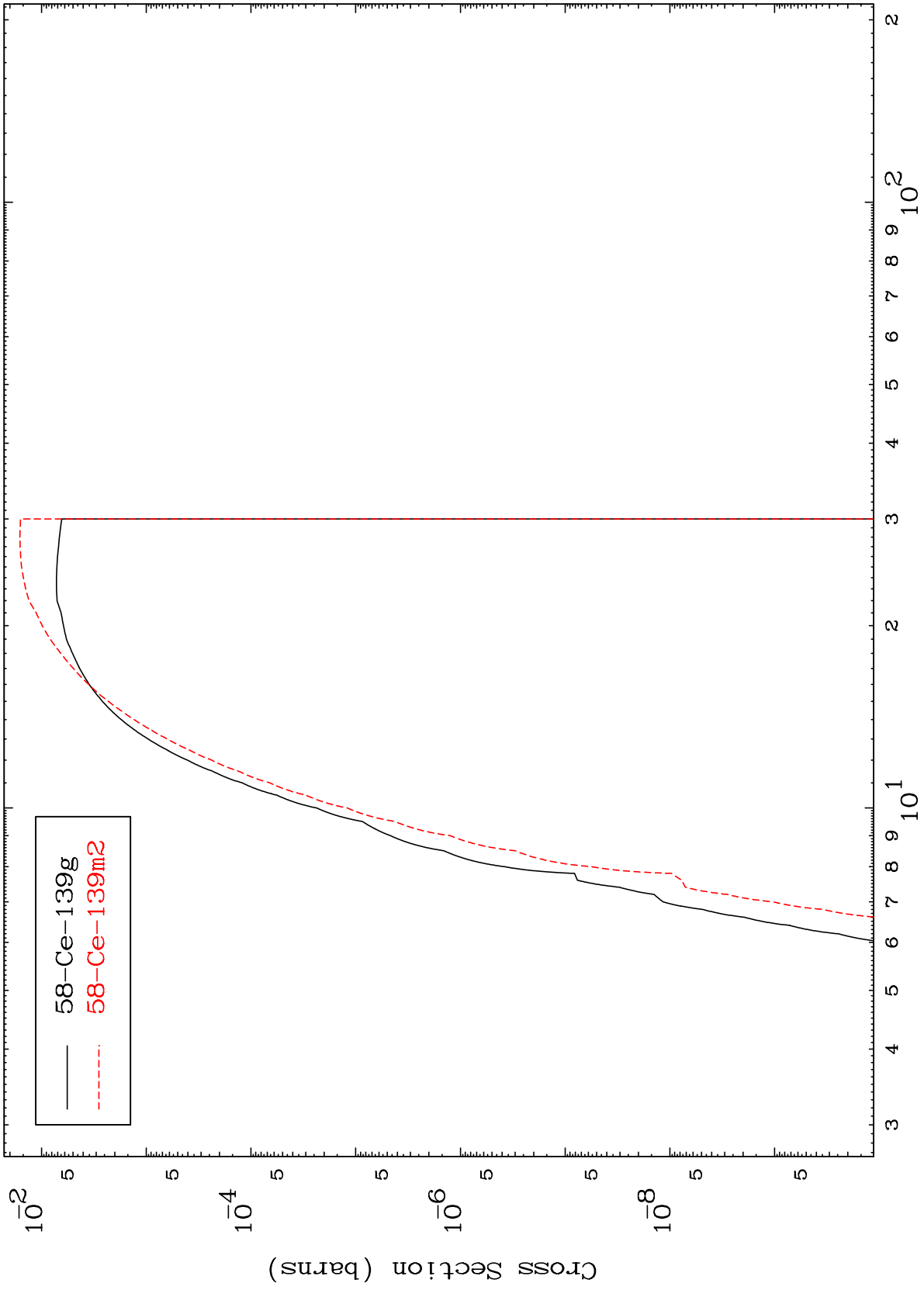
126

59-Pr-140

MAT 5922

59-Pr-140

(n,d)
Radionuclide Production Cross Section



127

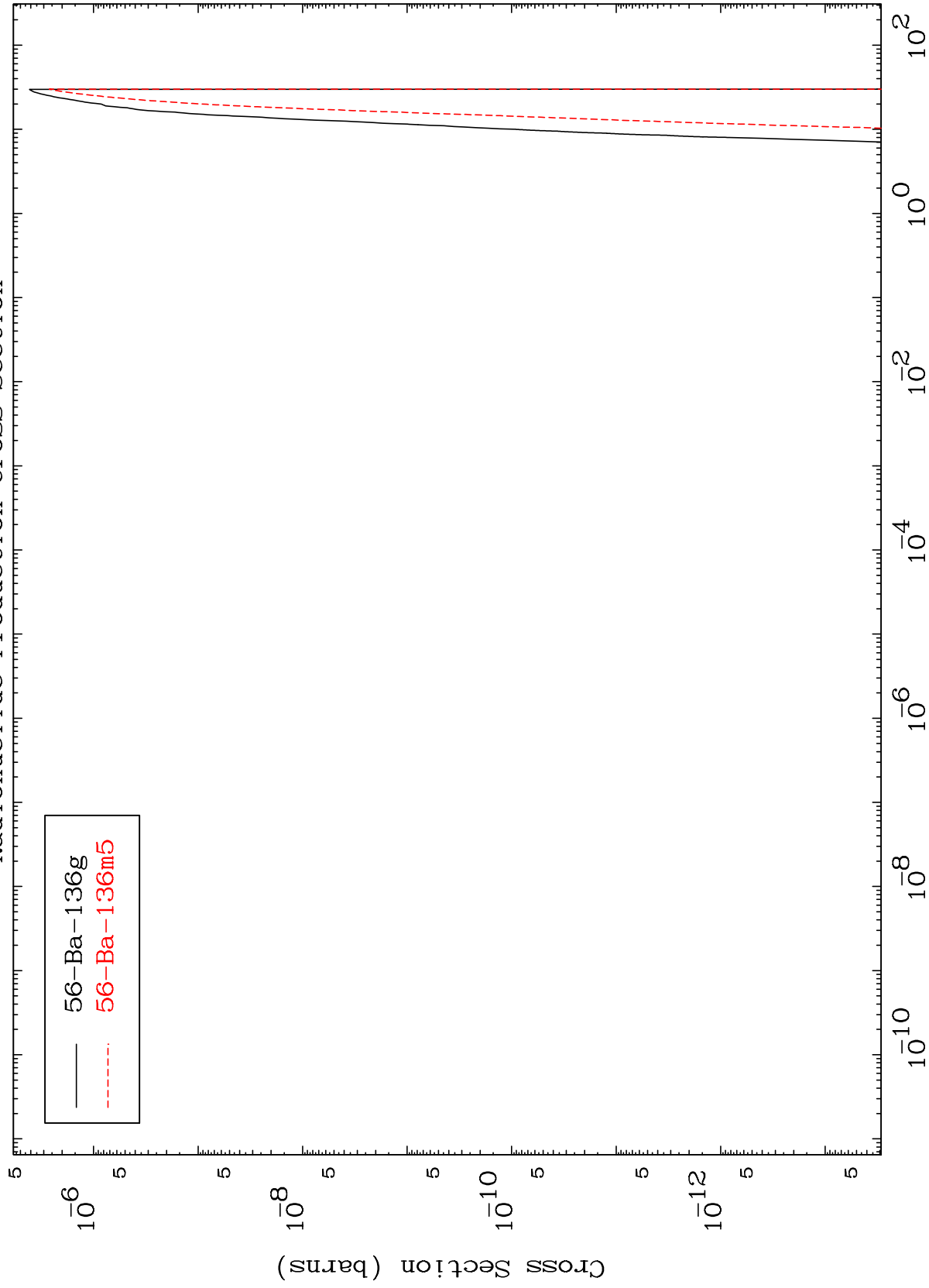
59-Pr-140

MAT 5922

(n,p) α

59-Pr-140

Radionuclide Production Cross Section



128

Incident Energy (MeV)

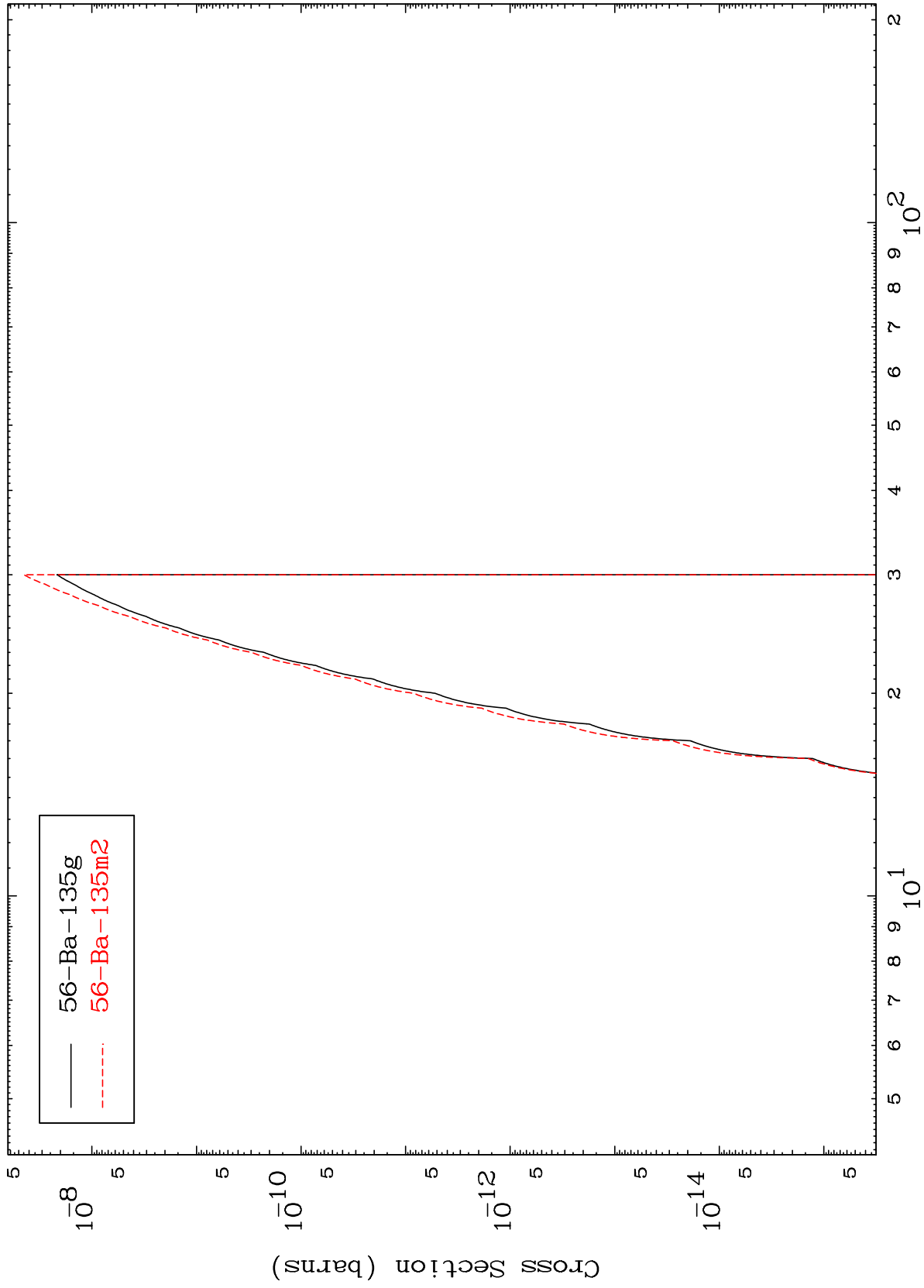
59-Pr-140

MAT 5922

(n,d) α

59-Pr-140

Radionuclide Production Cross Section



129

Incident Energy (MeV)

59-Pr-140