

Program EVALPLOT
(Version 2018-1)

by

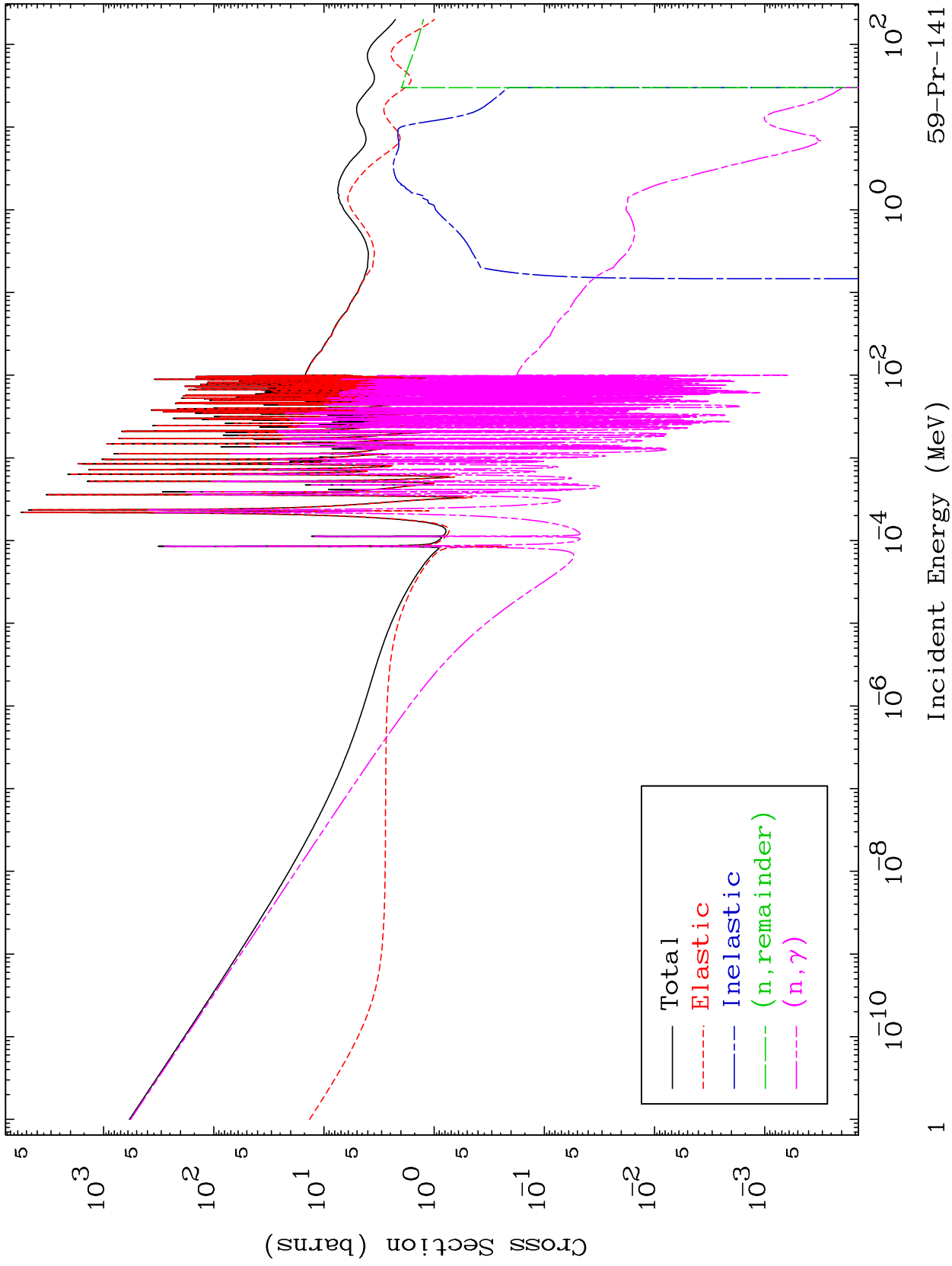
Dermott E. Cullen
(Present Contact Information)

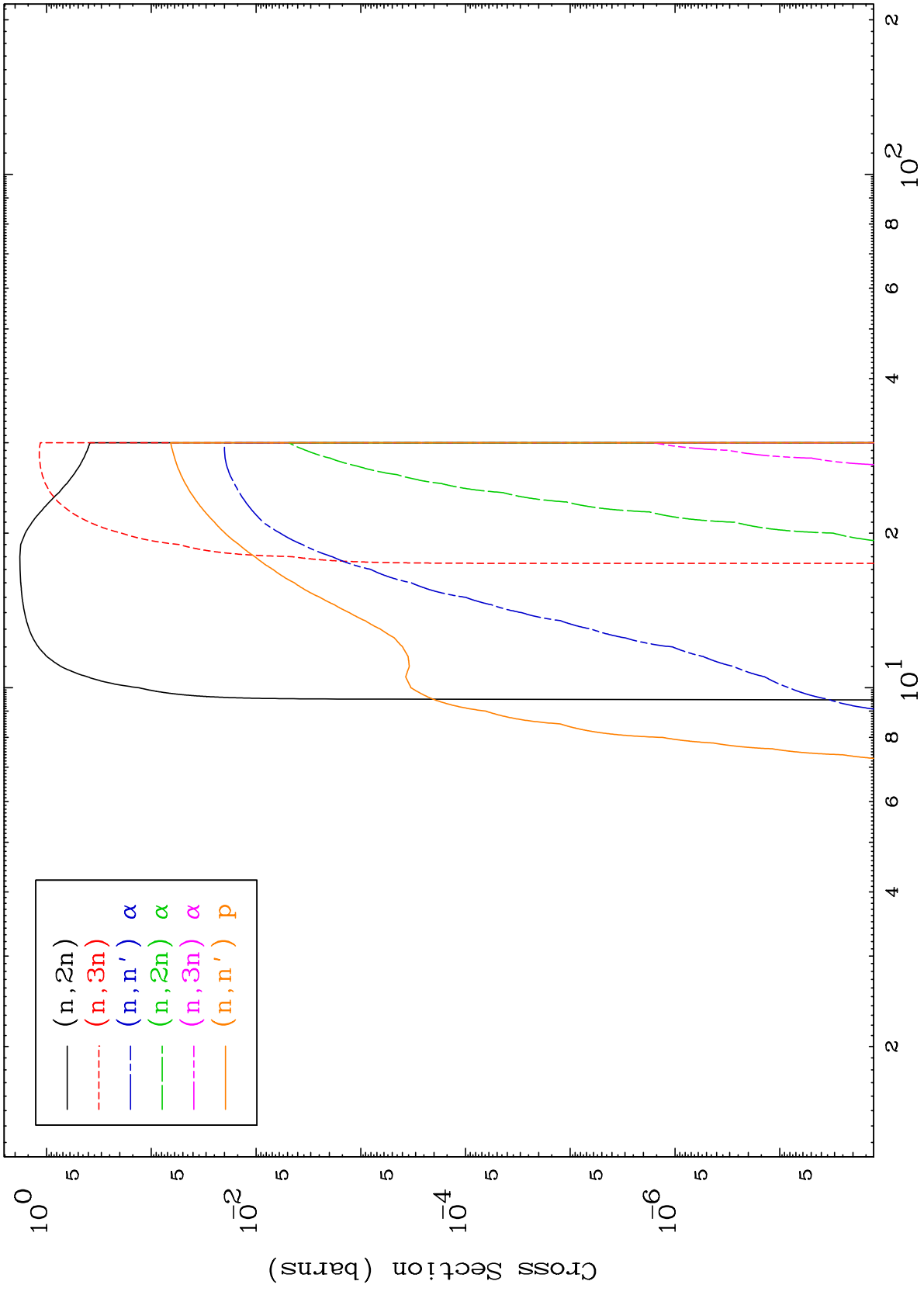
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

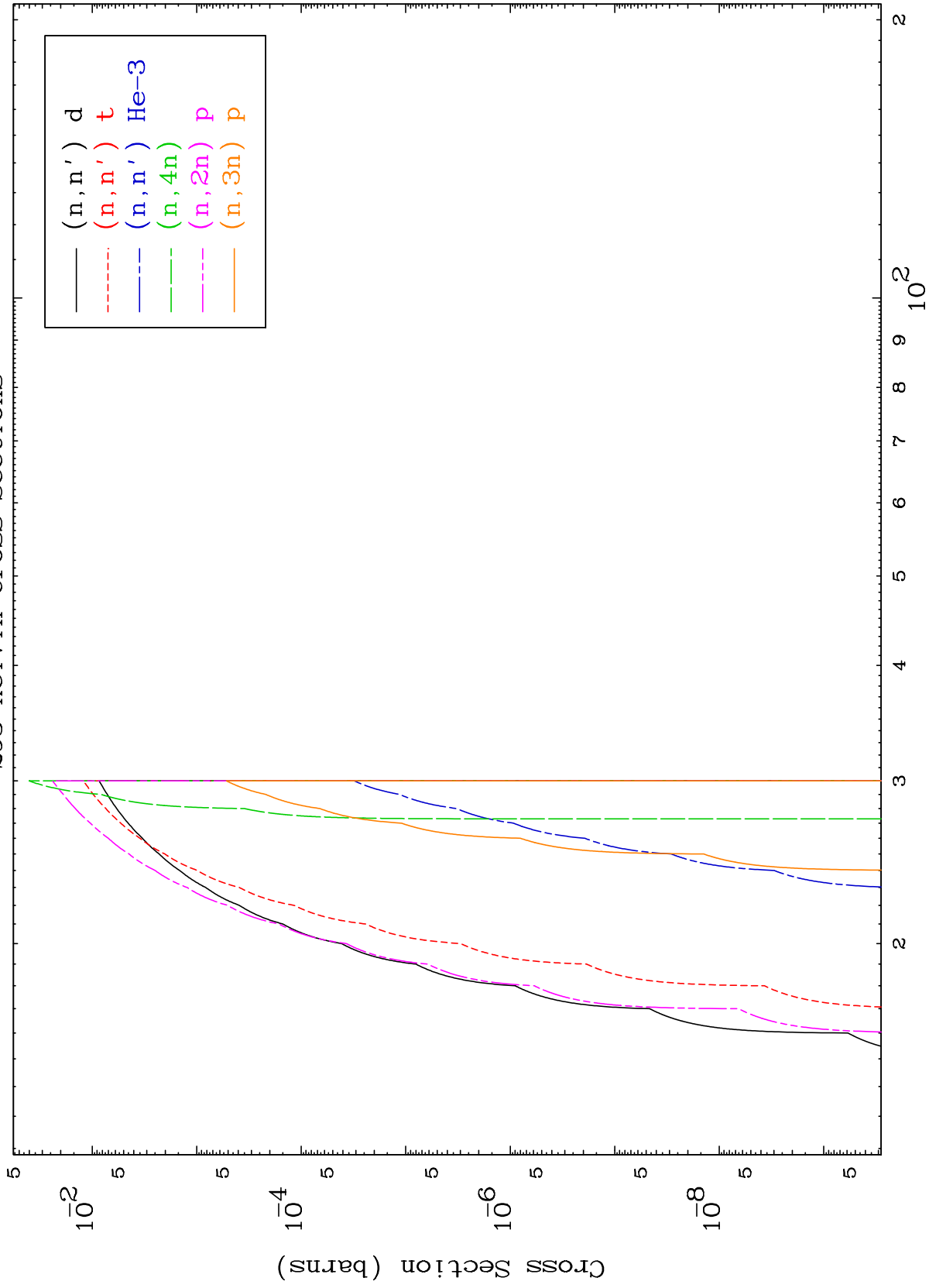
Tele: 925-443-1911

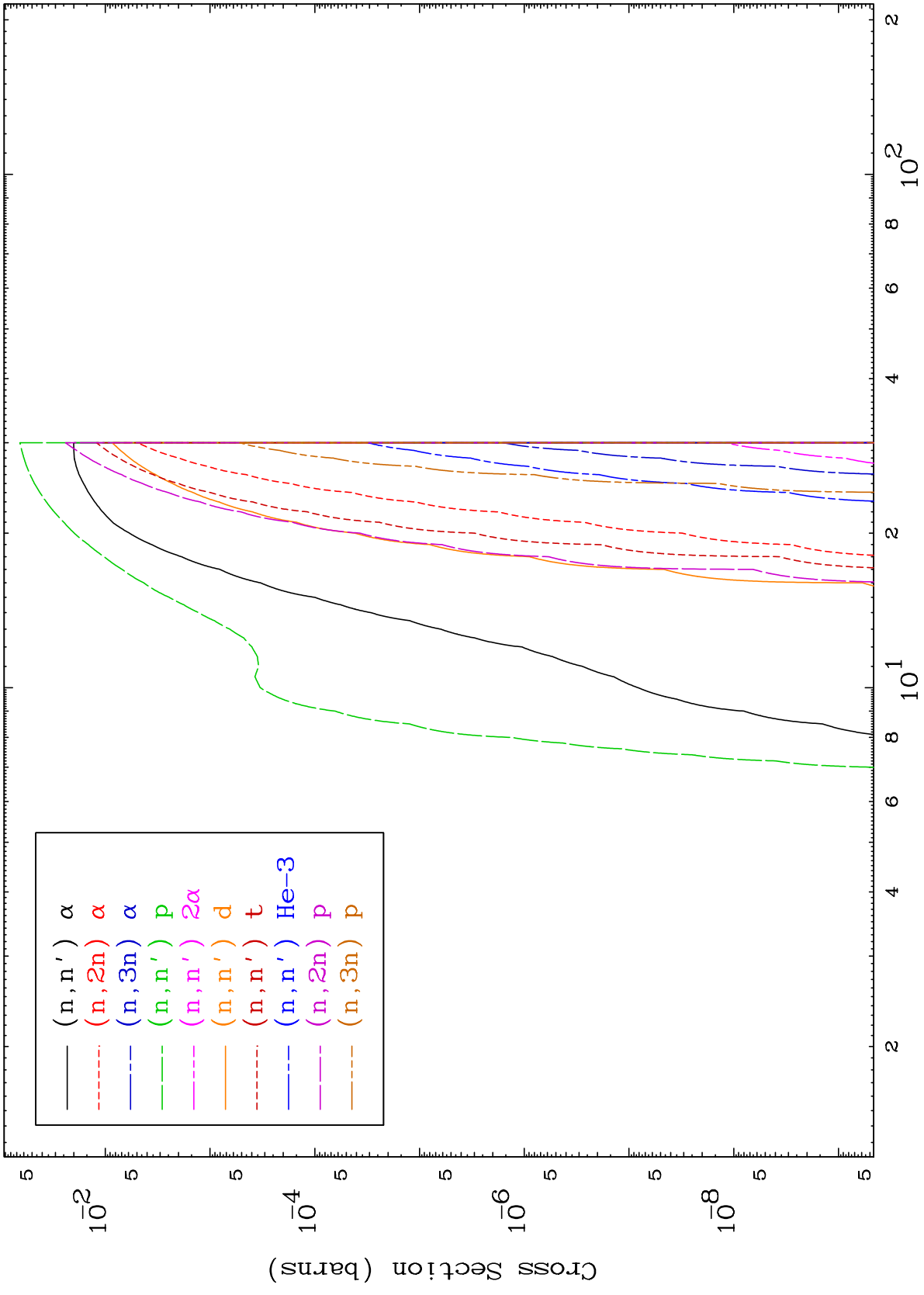
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

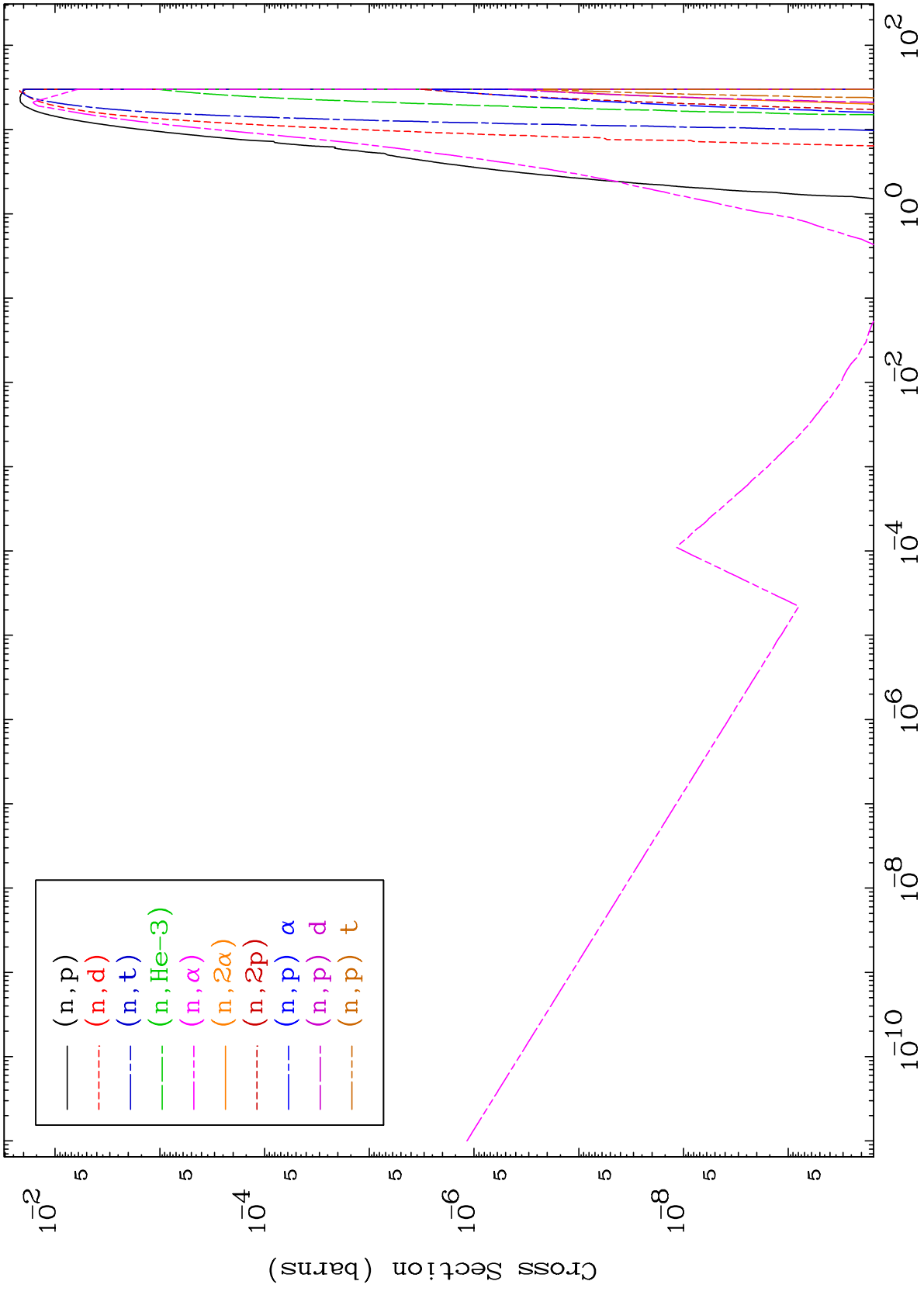
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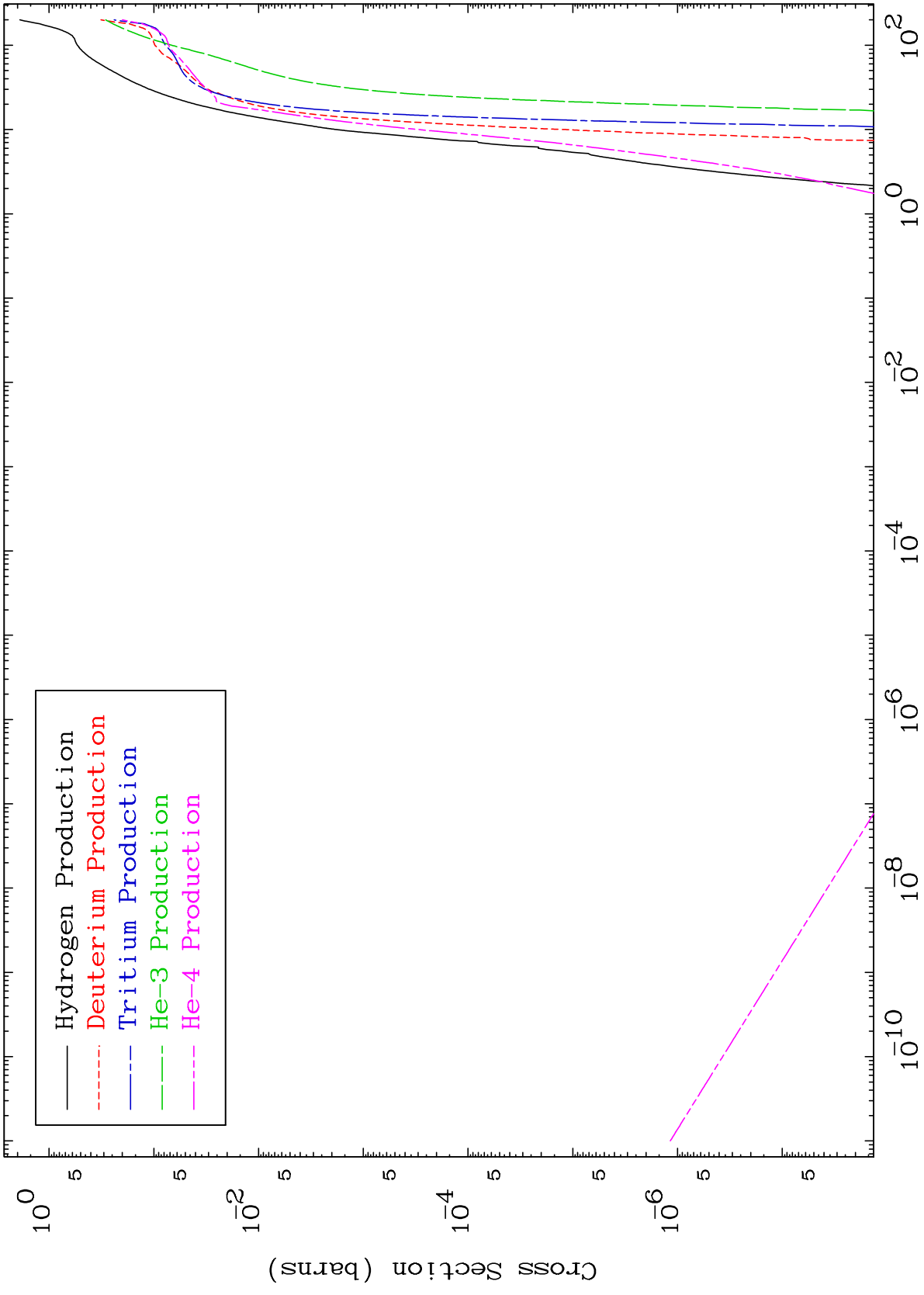




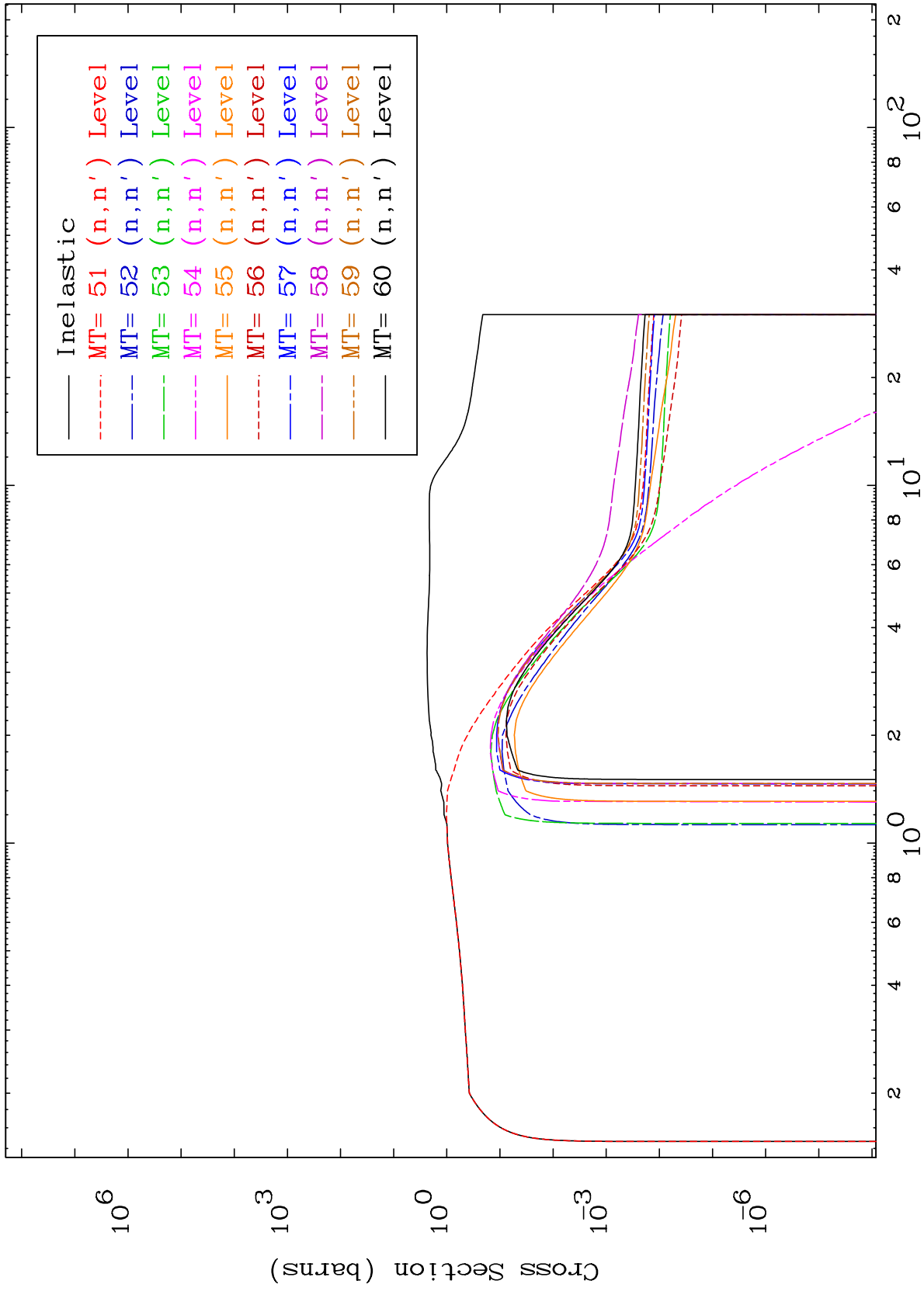








293 Kelvin Cross Sections

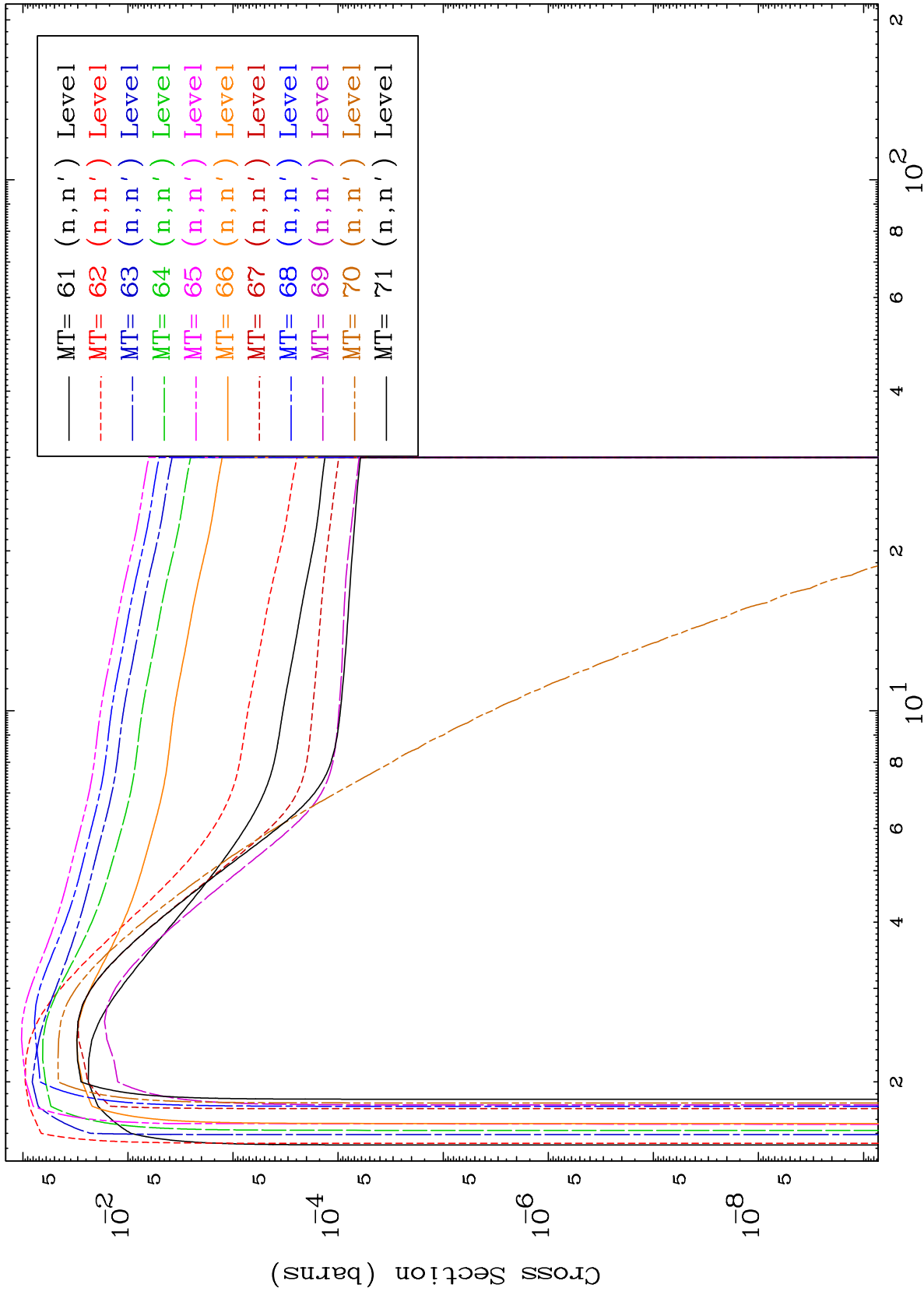


MAT 5925

(n,n') Level

59-Pr-141

293 Kelvin Cross Sections

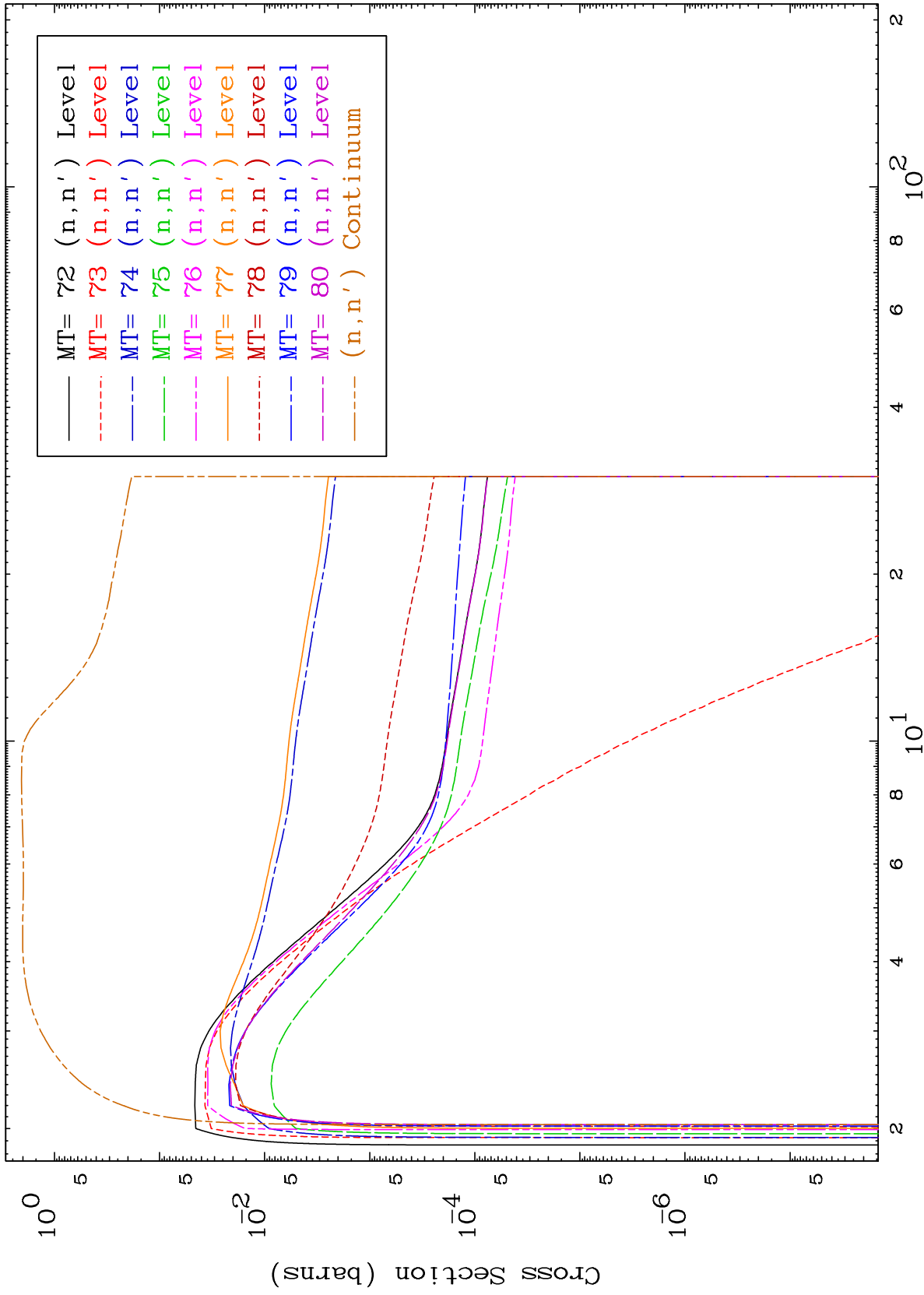


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Incident Energy (MeV)

59-Pr-141

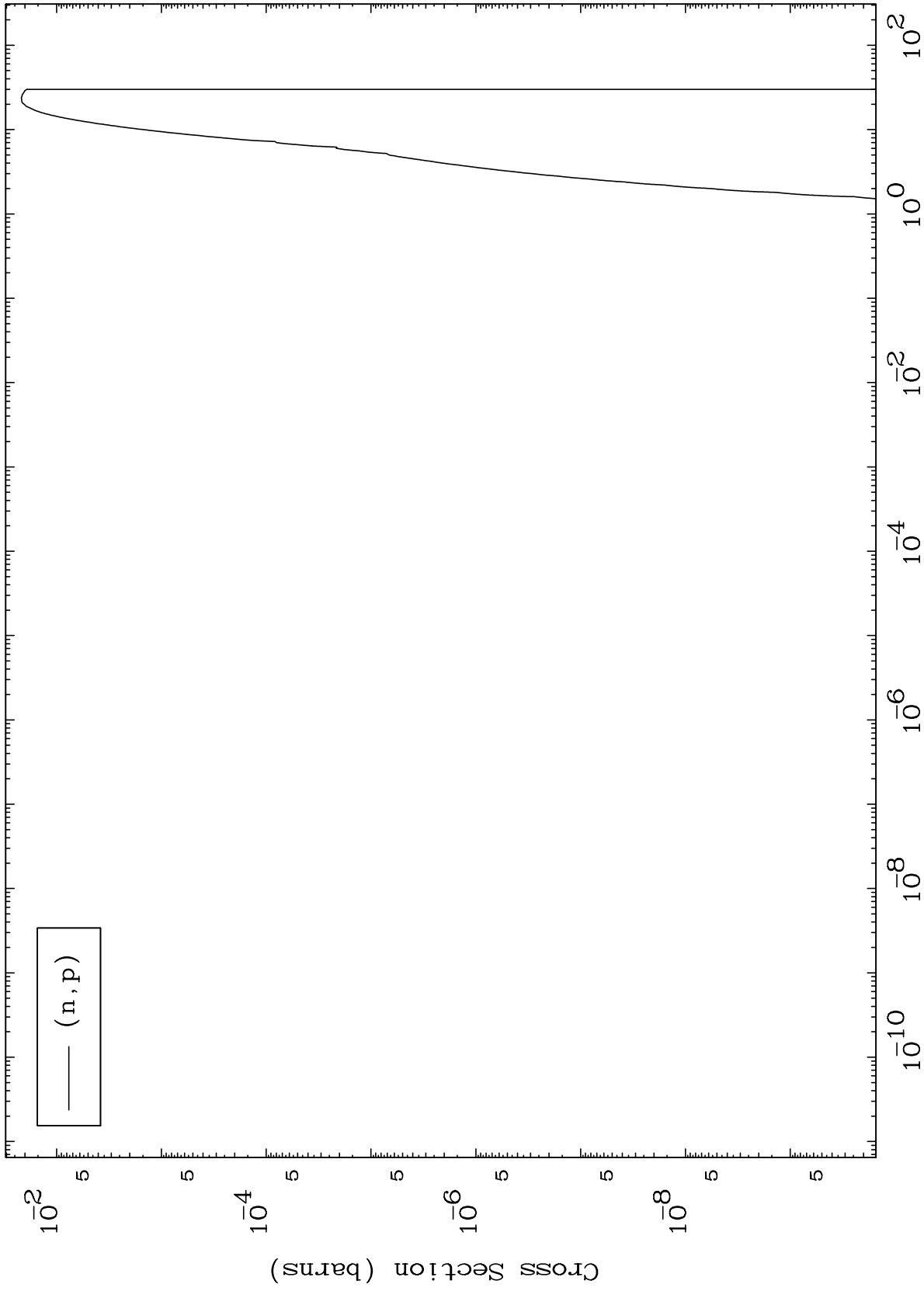
293 Kelvin Cross Sections



MAT 5925

(n,p) Levels
293 Kelvin Cross Sections

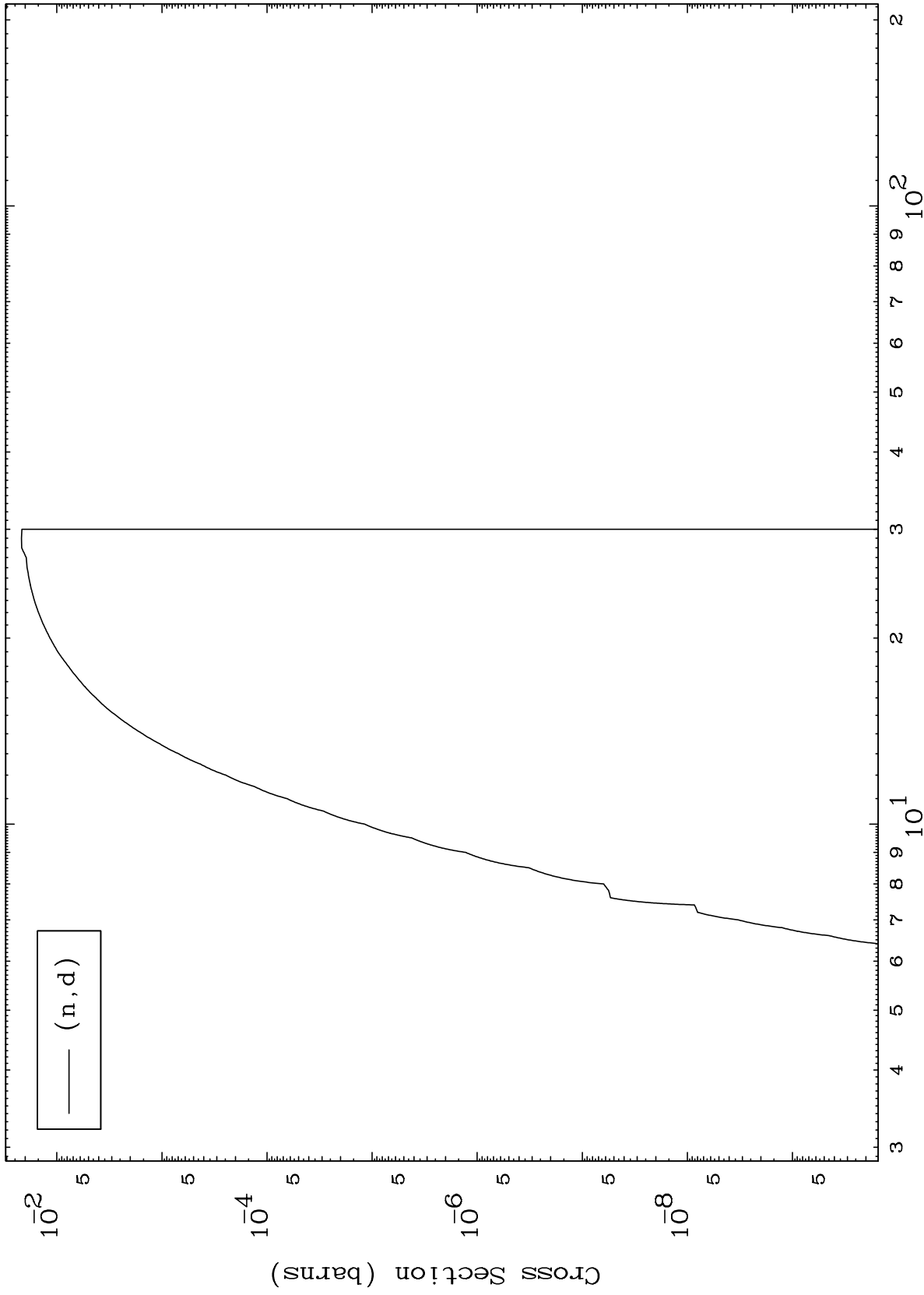
59-Pr-141



10

Incident Energy (MeV)

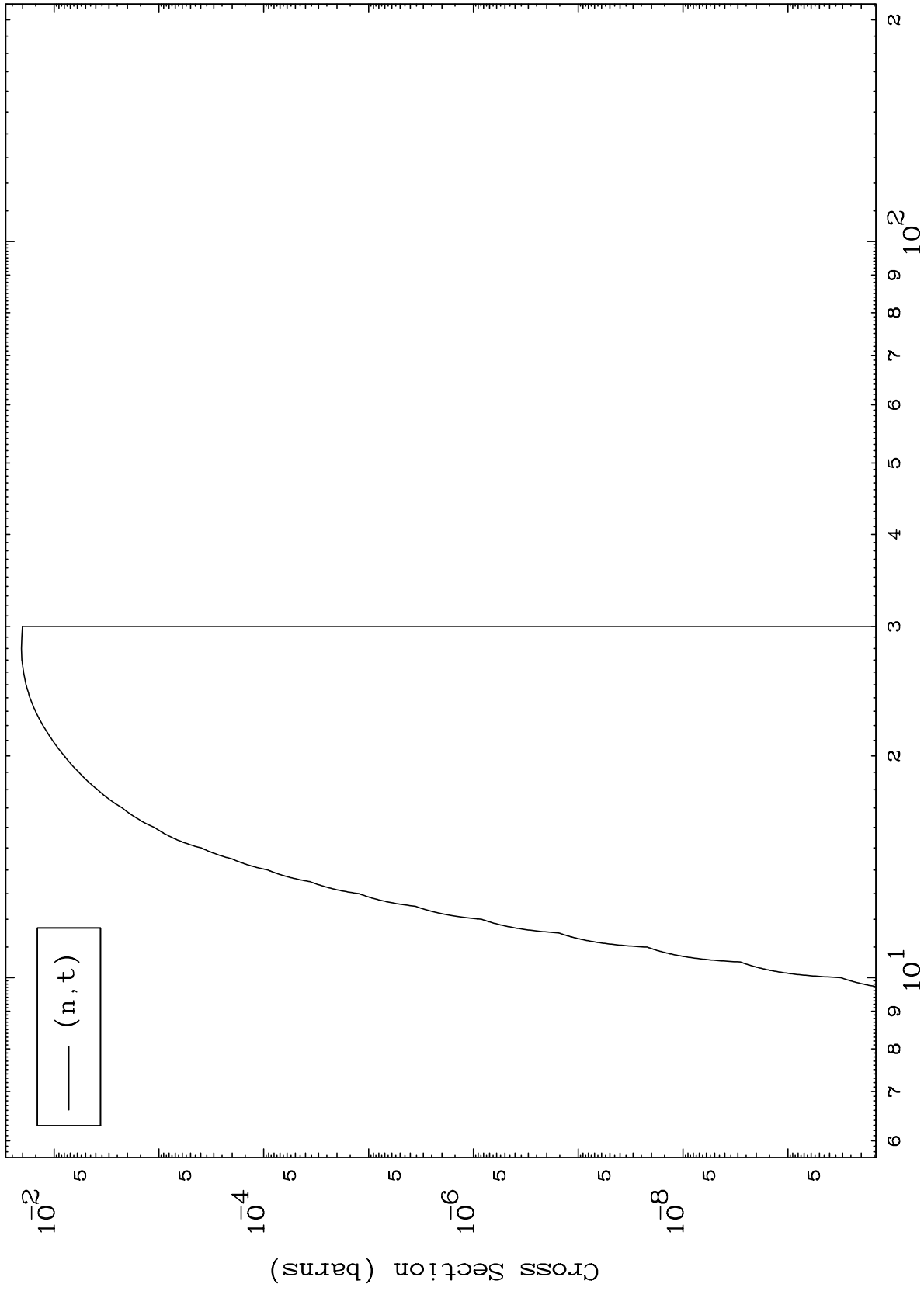
59-Pr-141



MAT 5925

(n,t) Levels
293 Kelvin Cross Sections

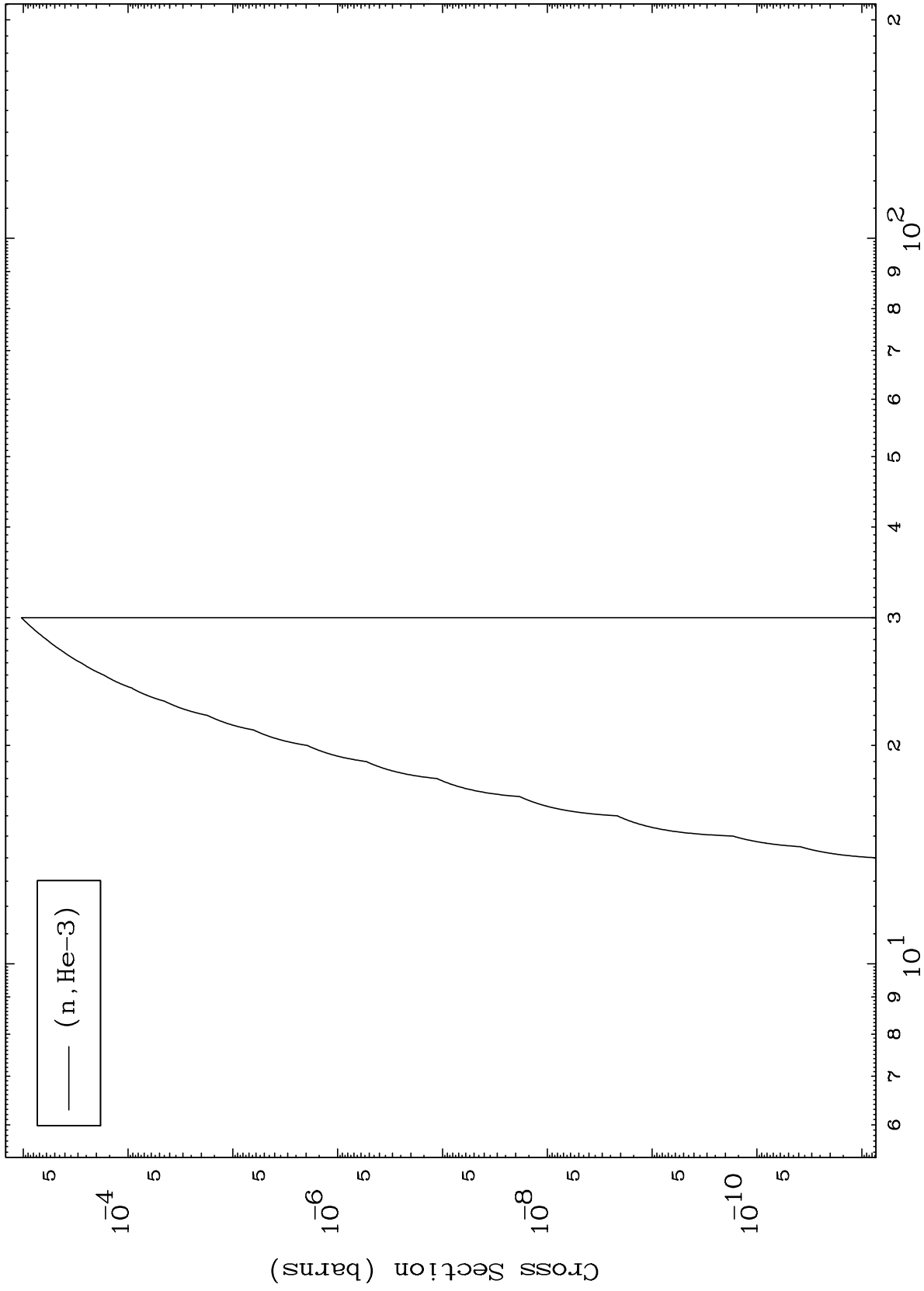
59-Pr-141



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Incident Energy (MeV)

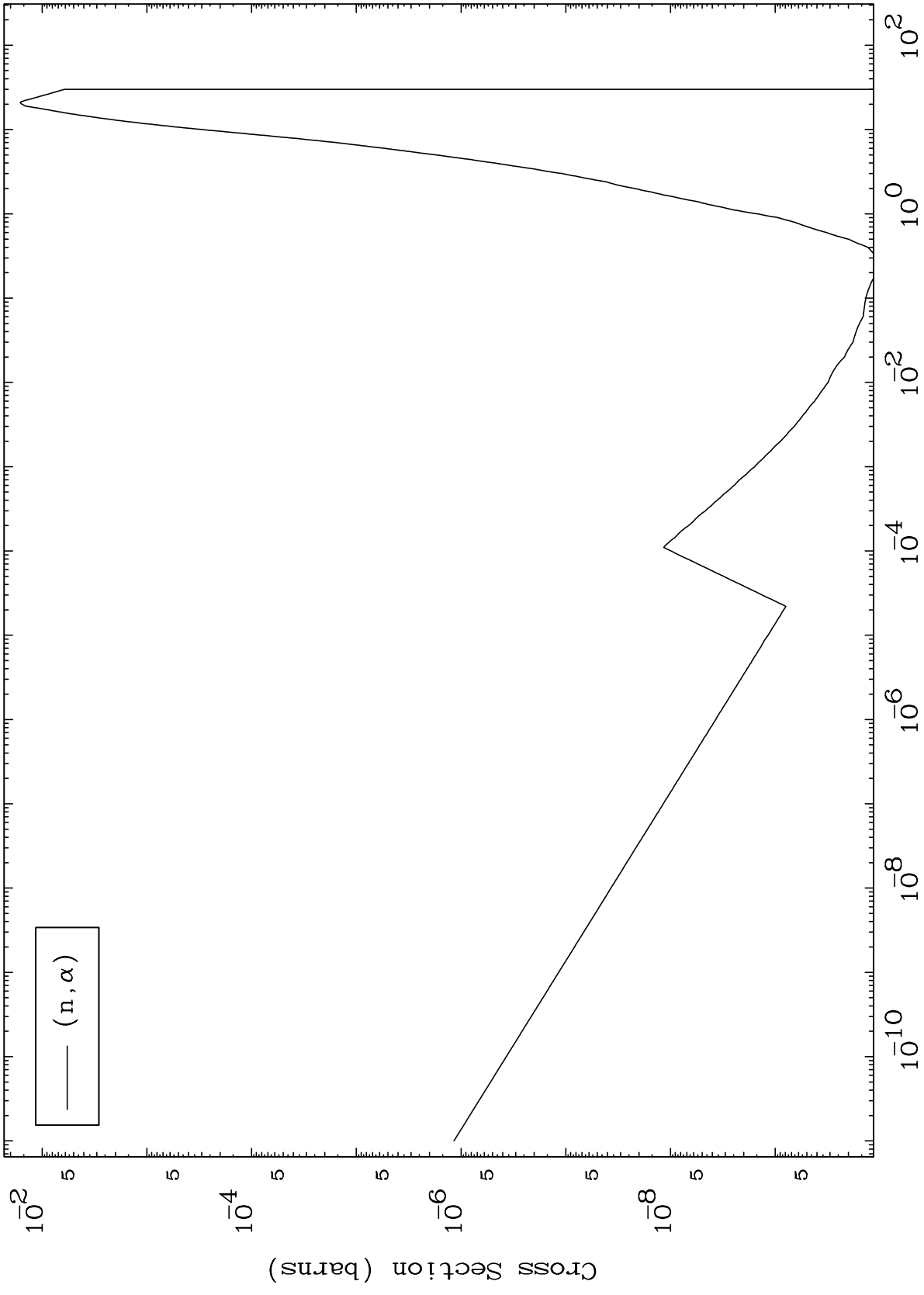
59-Pr-141

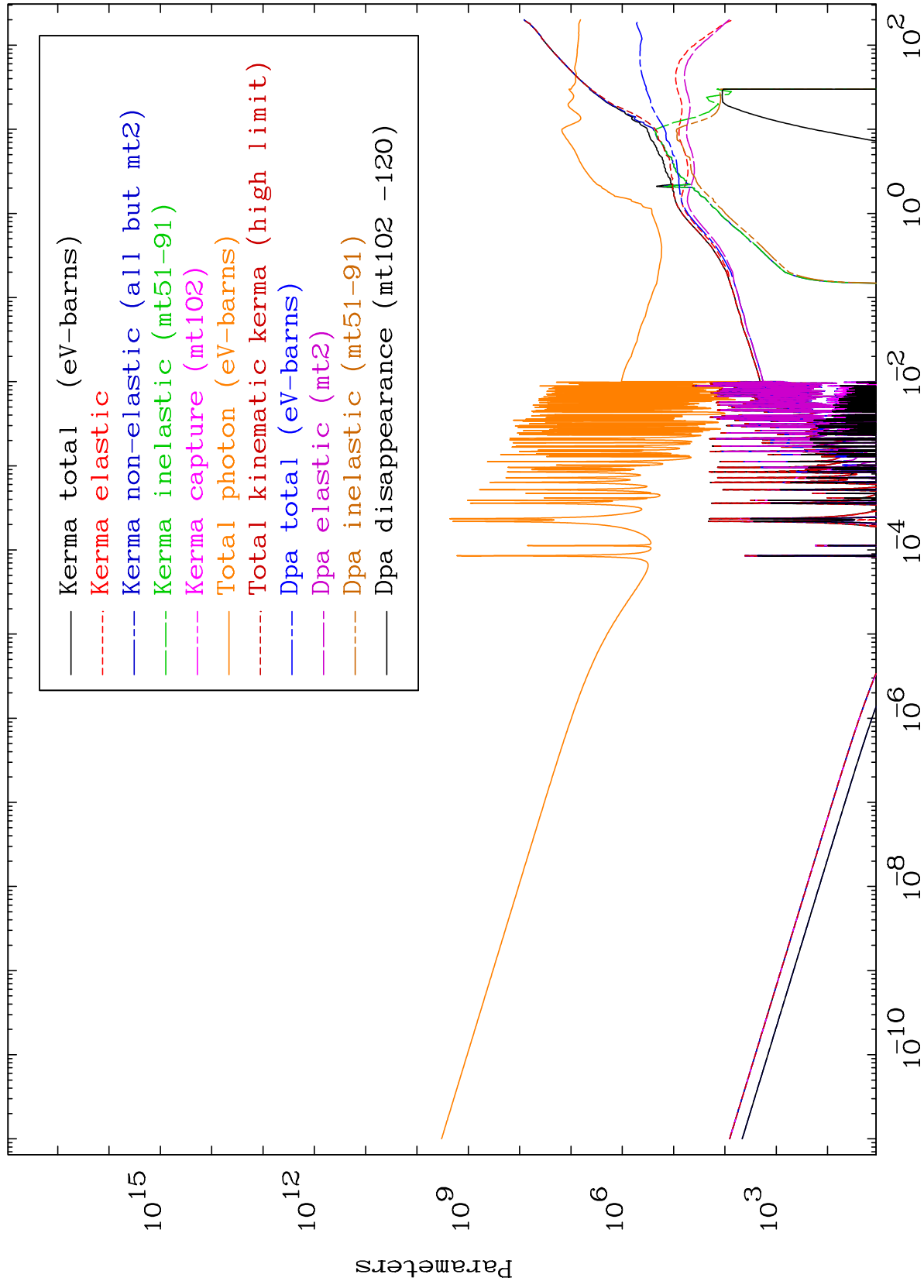


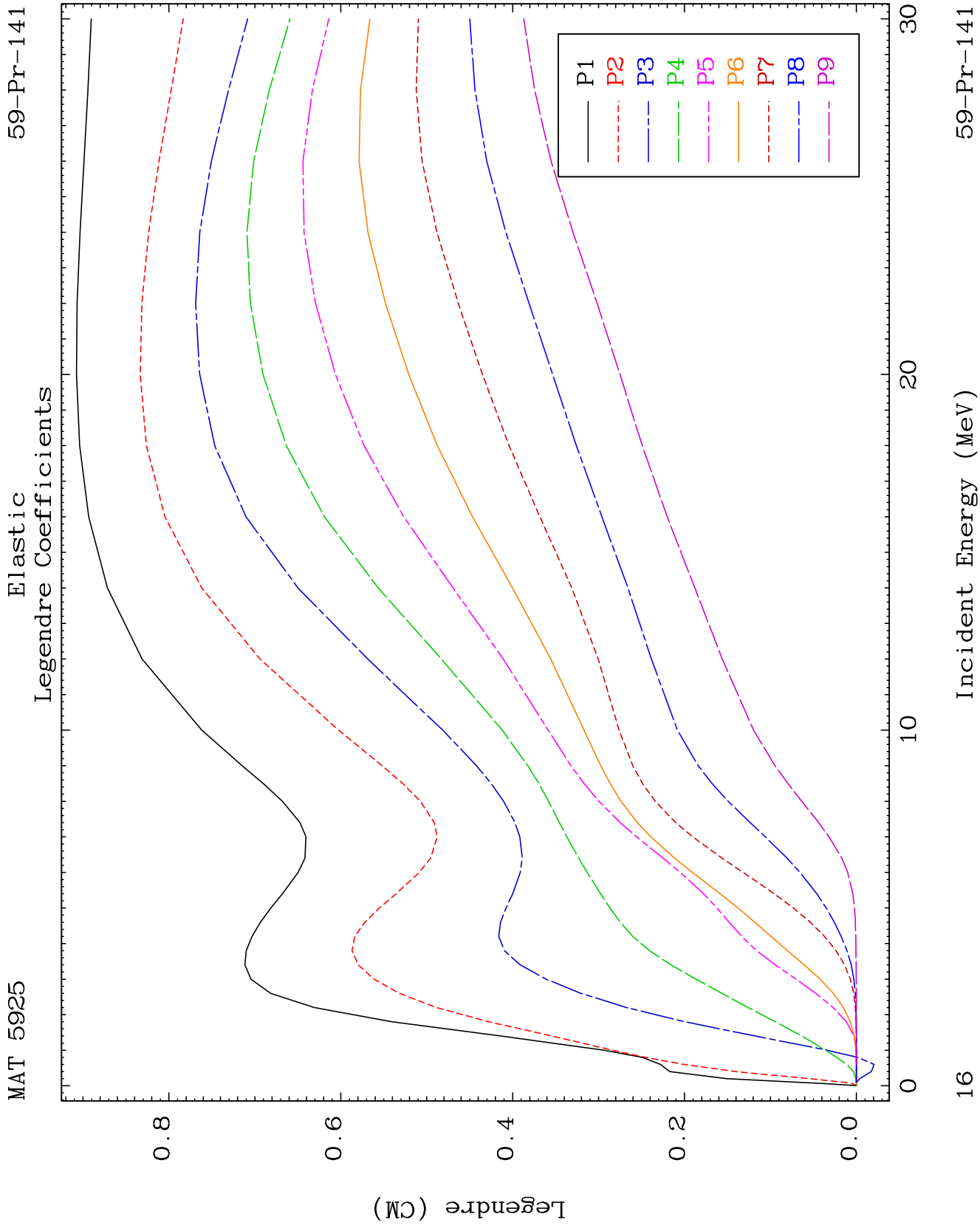
MAT 5925

(n,α) Levels
293 Kelvin Cross Sections

59-Pr-141



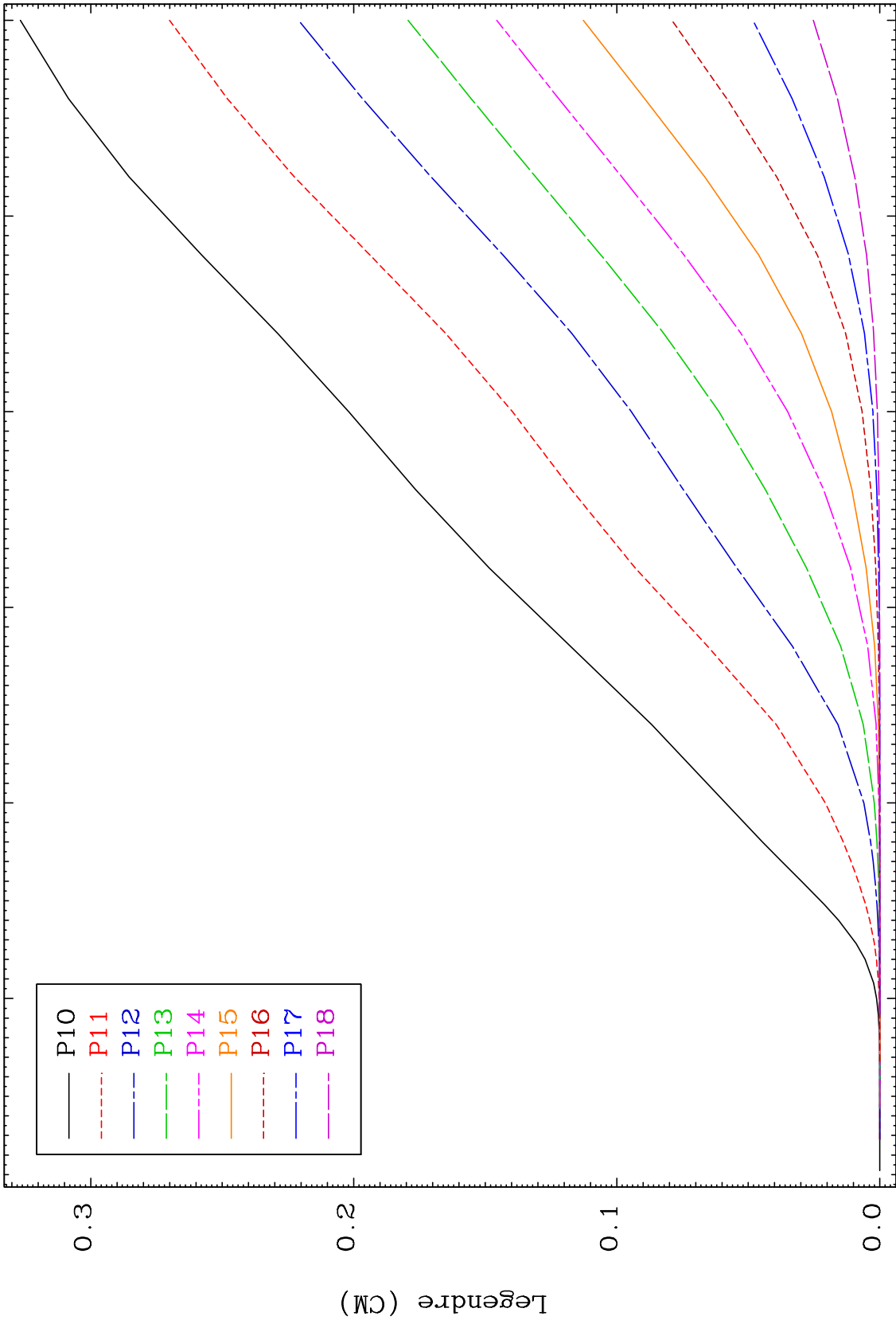




MAT 5925

Elastic Legendre Coefficients

59-Pr-141



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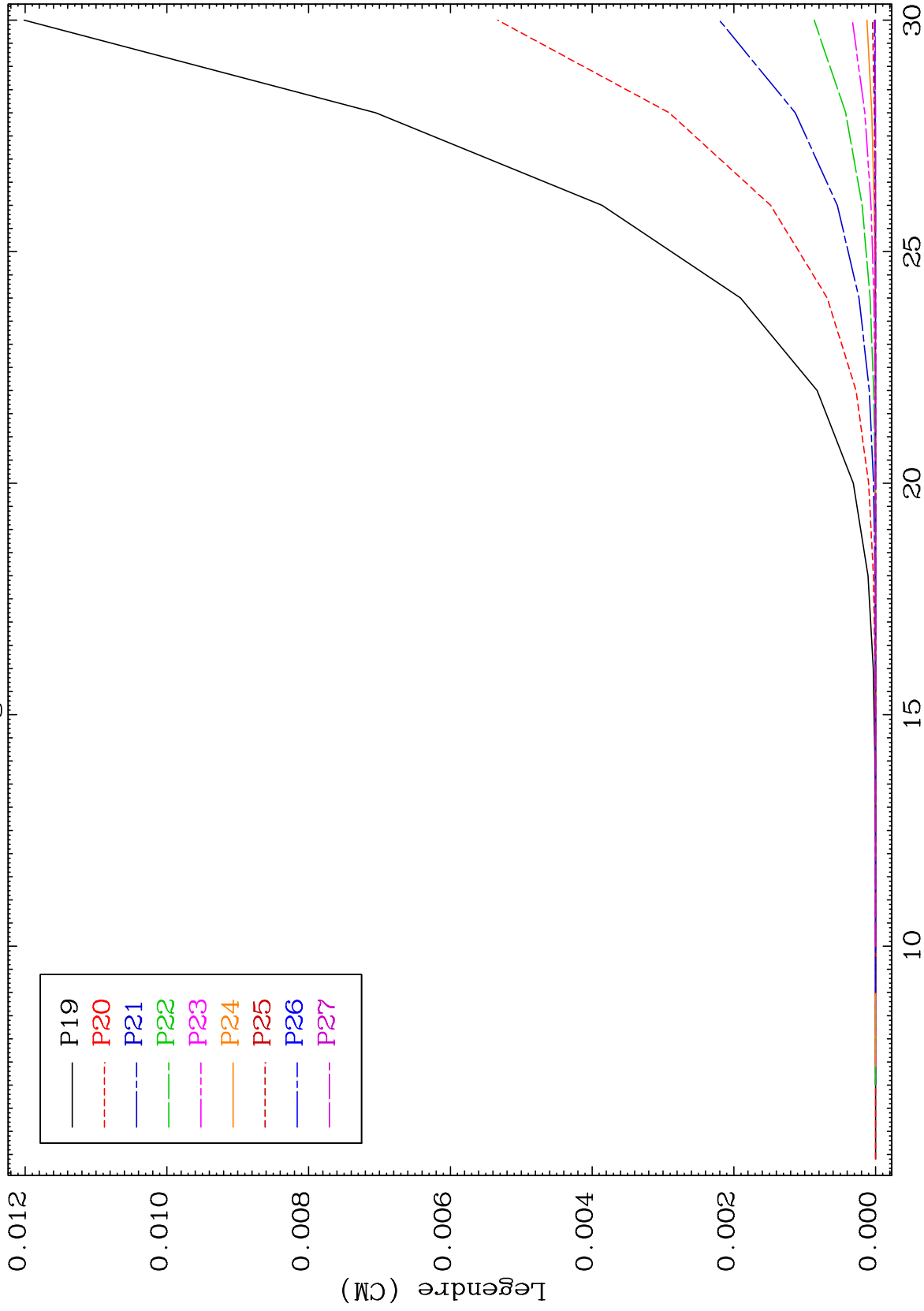
Incident Energy (MeV)

59-Pr-141

MAT 5925

Elastic Legendre Coefficients

59-Pr-141



18

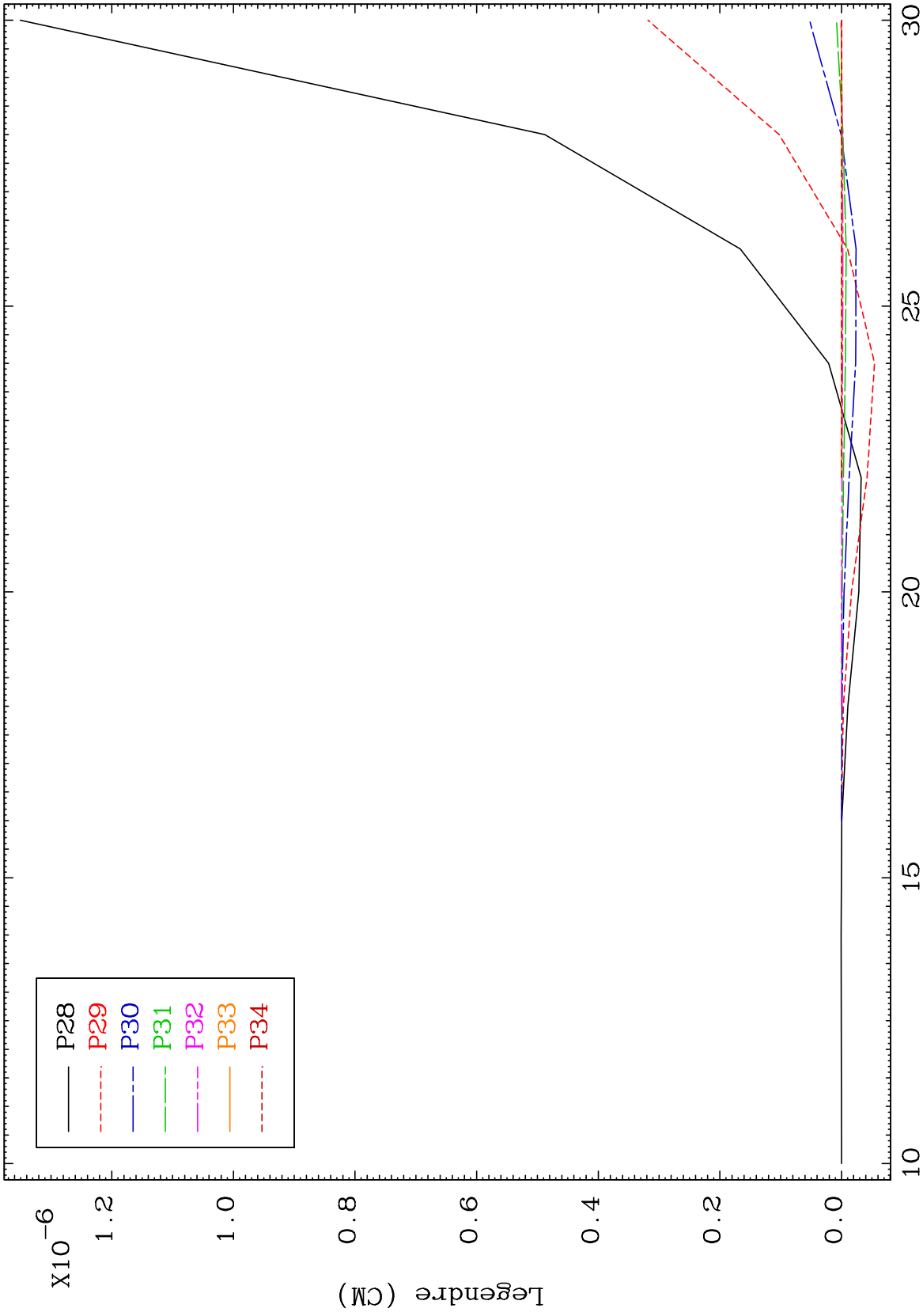
Incident Energy (MeV)

59-Pr-141

MAT 5925

Elastic Legendre Coefficients

59-Pr-141



19

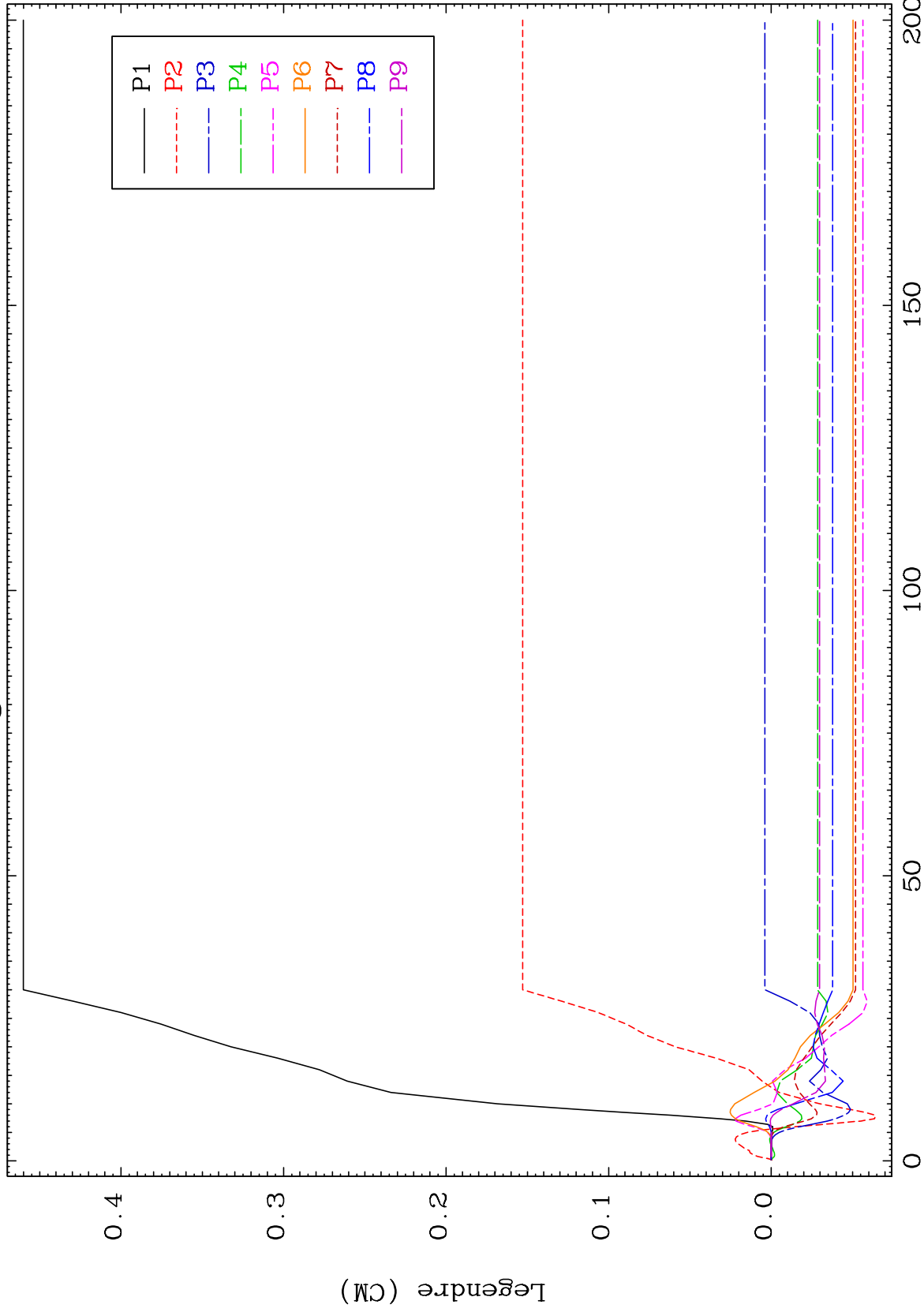
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



59-Pr-141

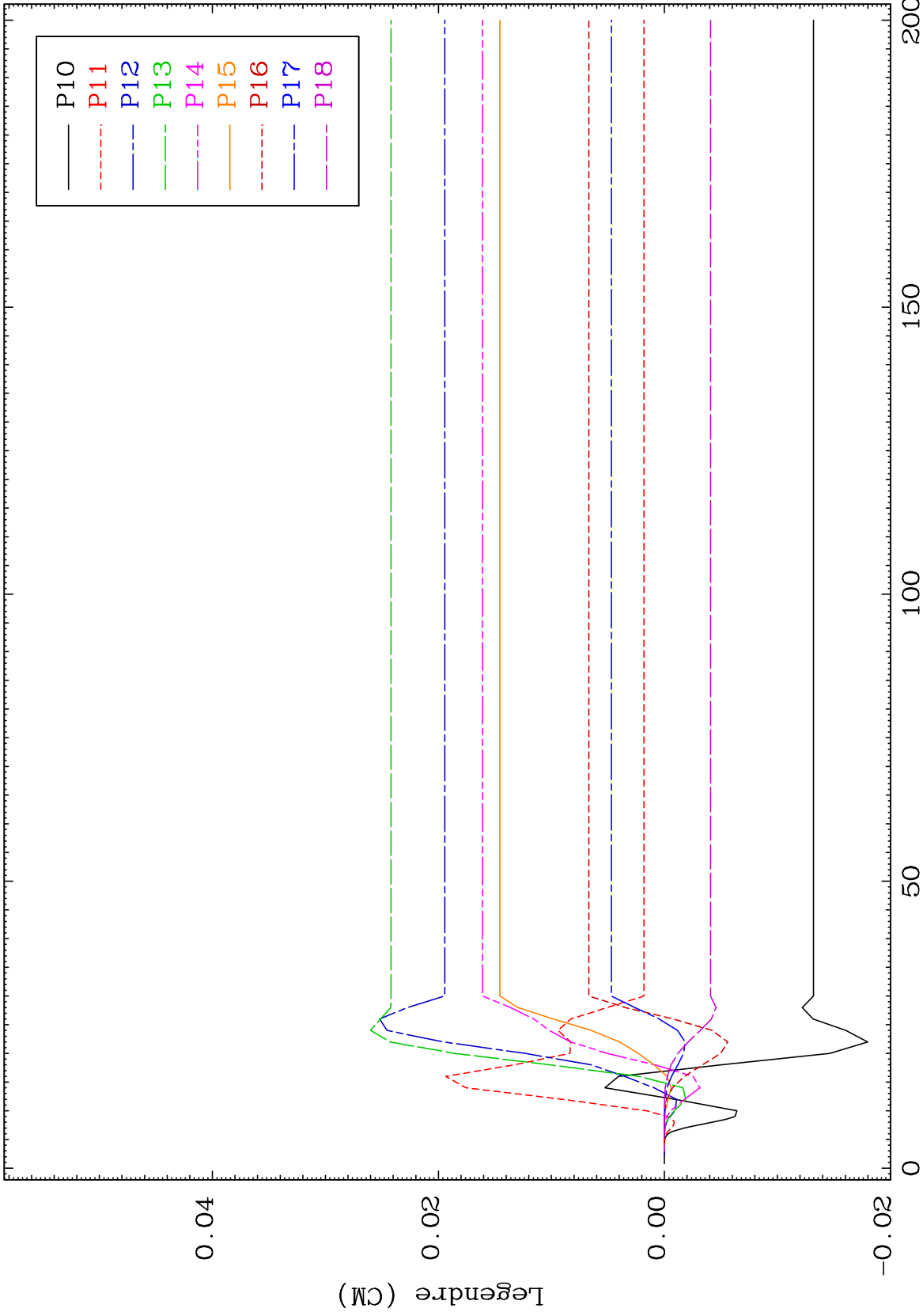
Incident Energy (MeV)

20

MAT 5925

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

59-Pr-141



21

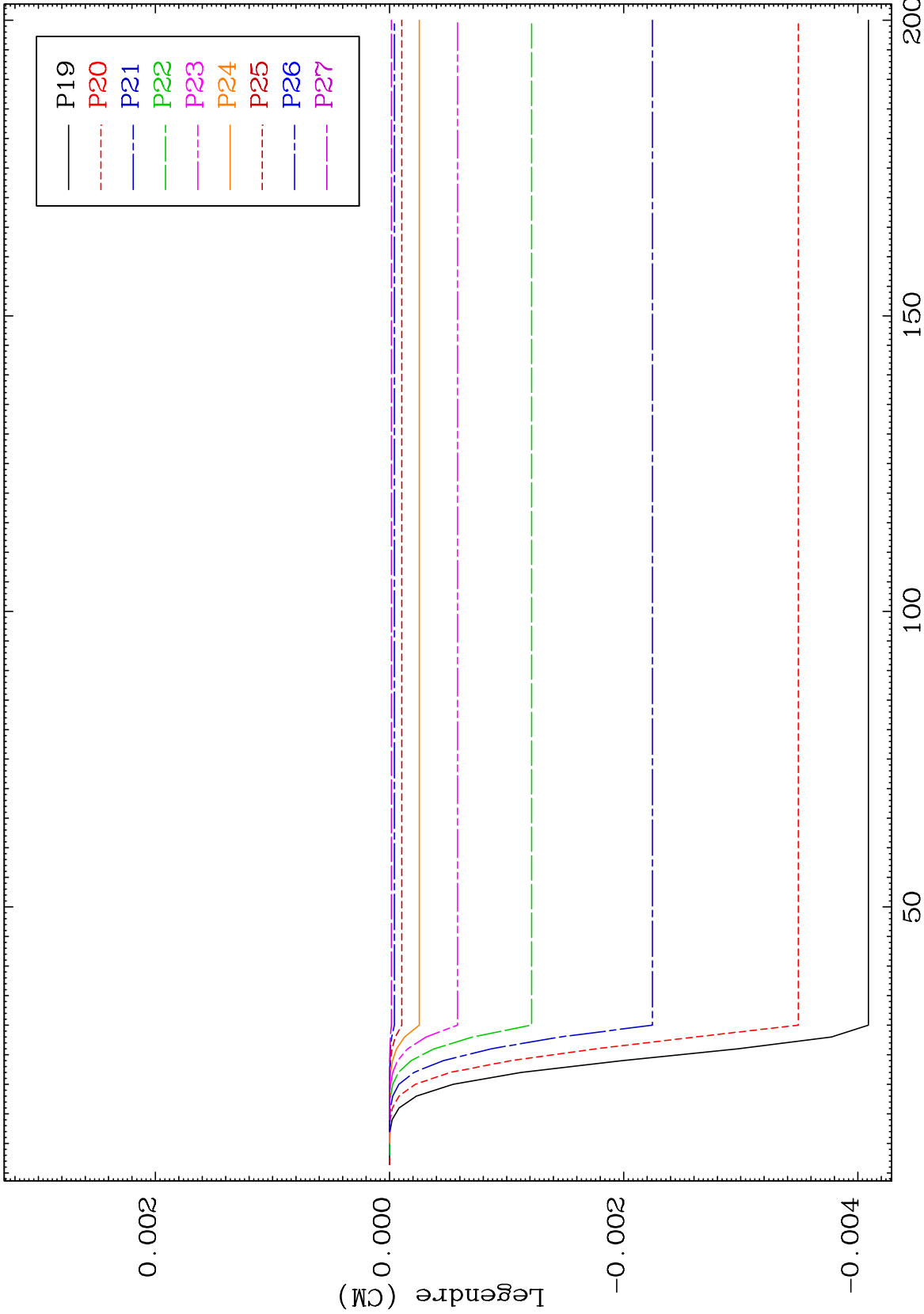
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141

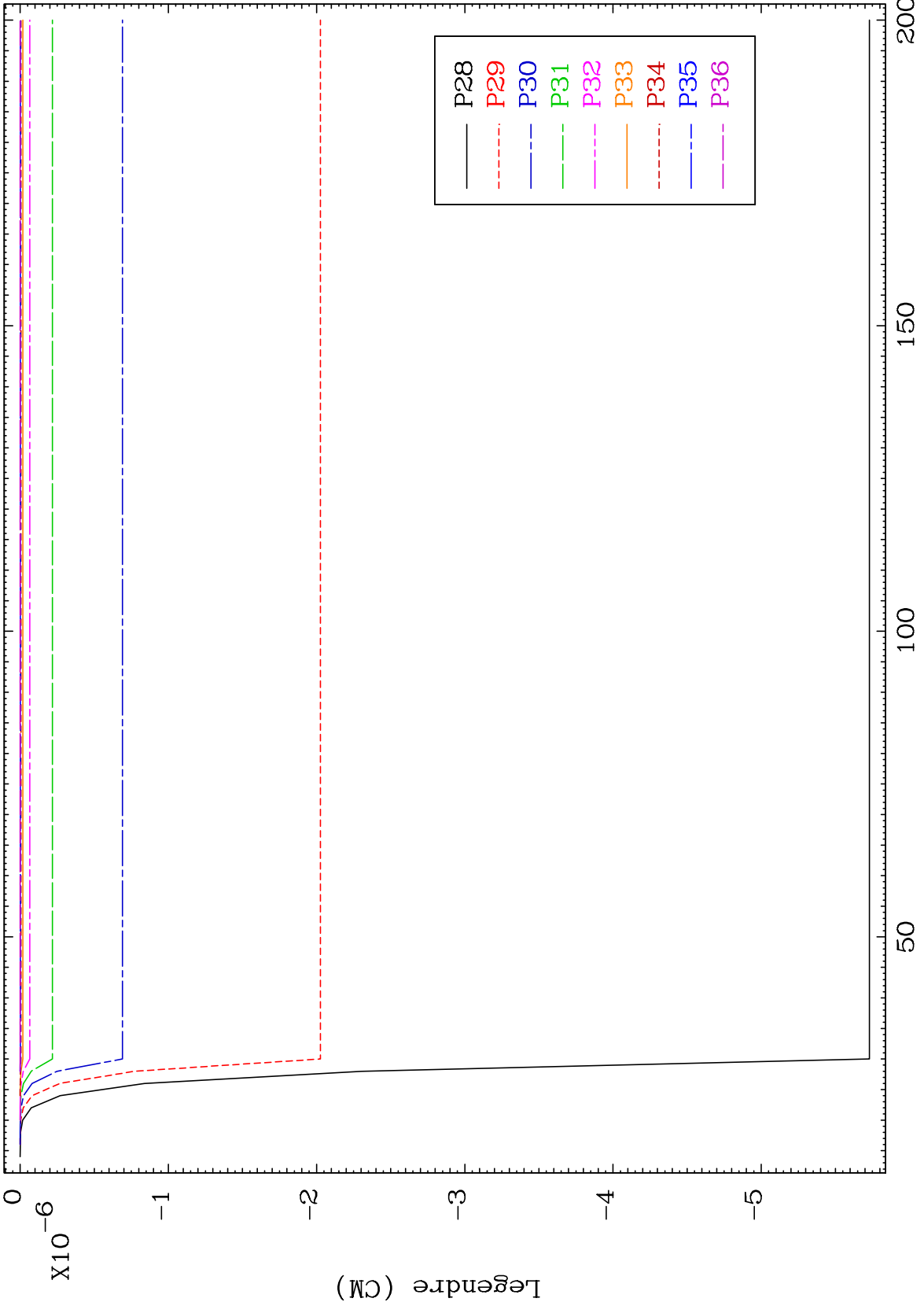


22

Incident Energy (MeV)

59-Pr-141

MAT 5925 MT= 51 (n,n') Level Legendre Coefficients 59-Pr-141

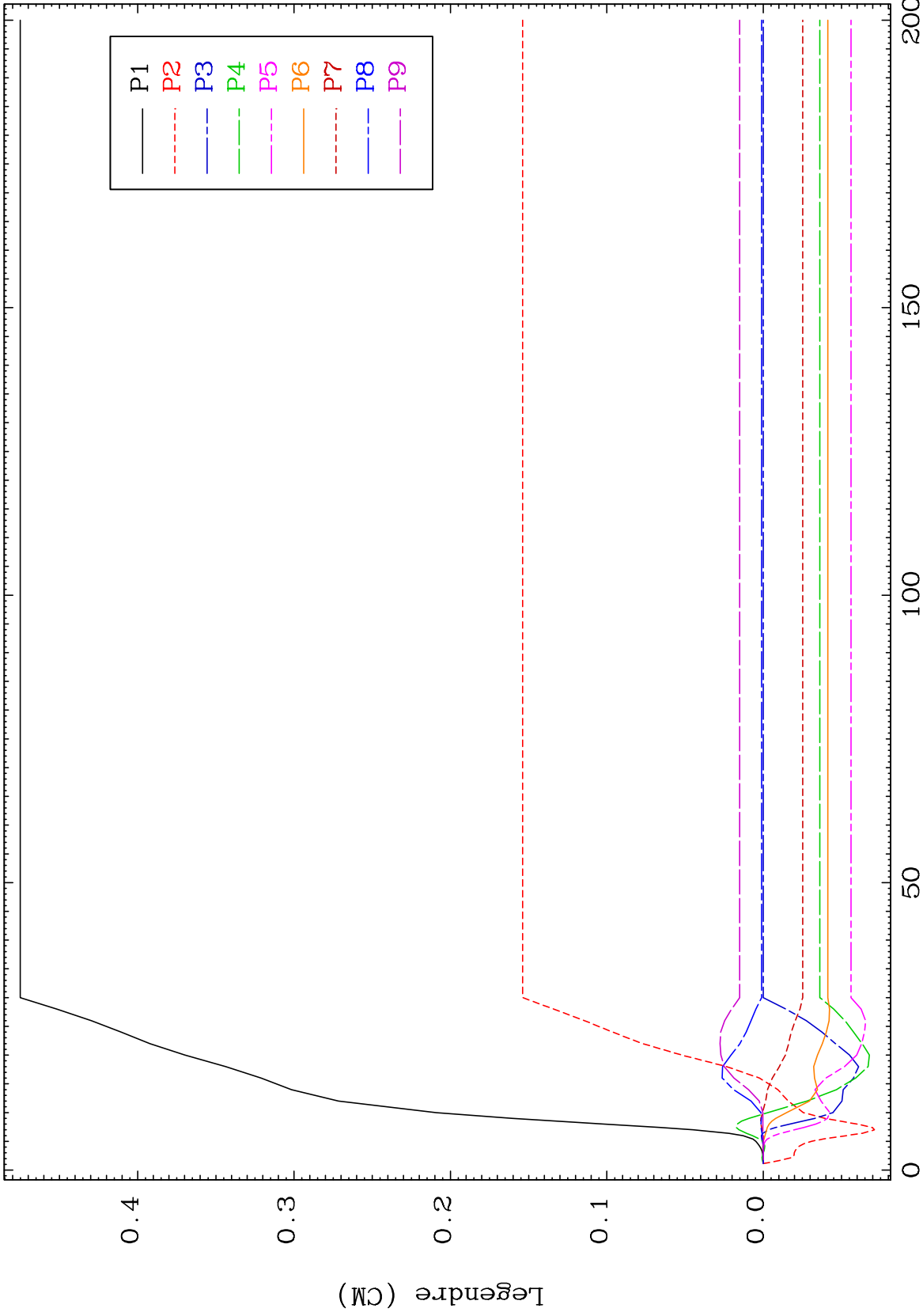


23 59-Pr-141

MAT 5925

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

59-Pr-141



24

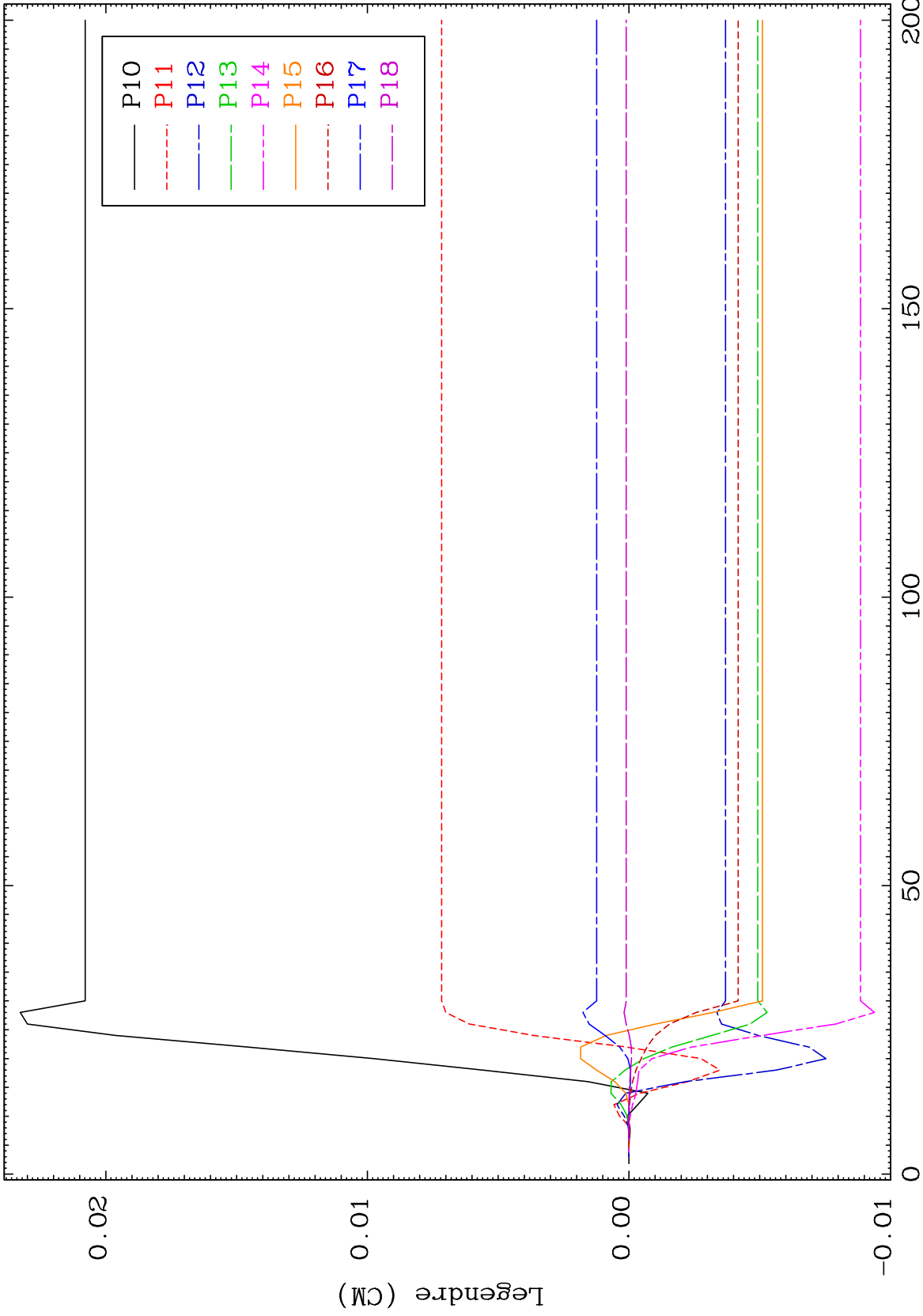
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

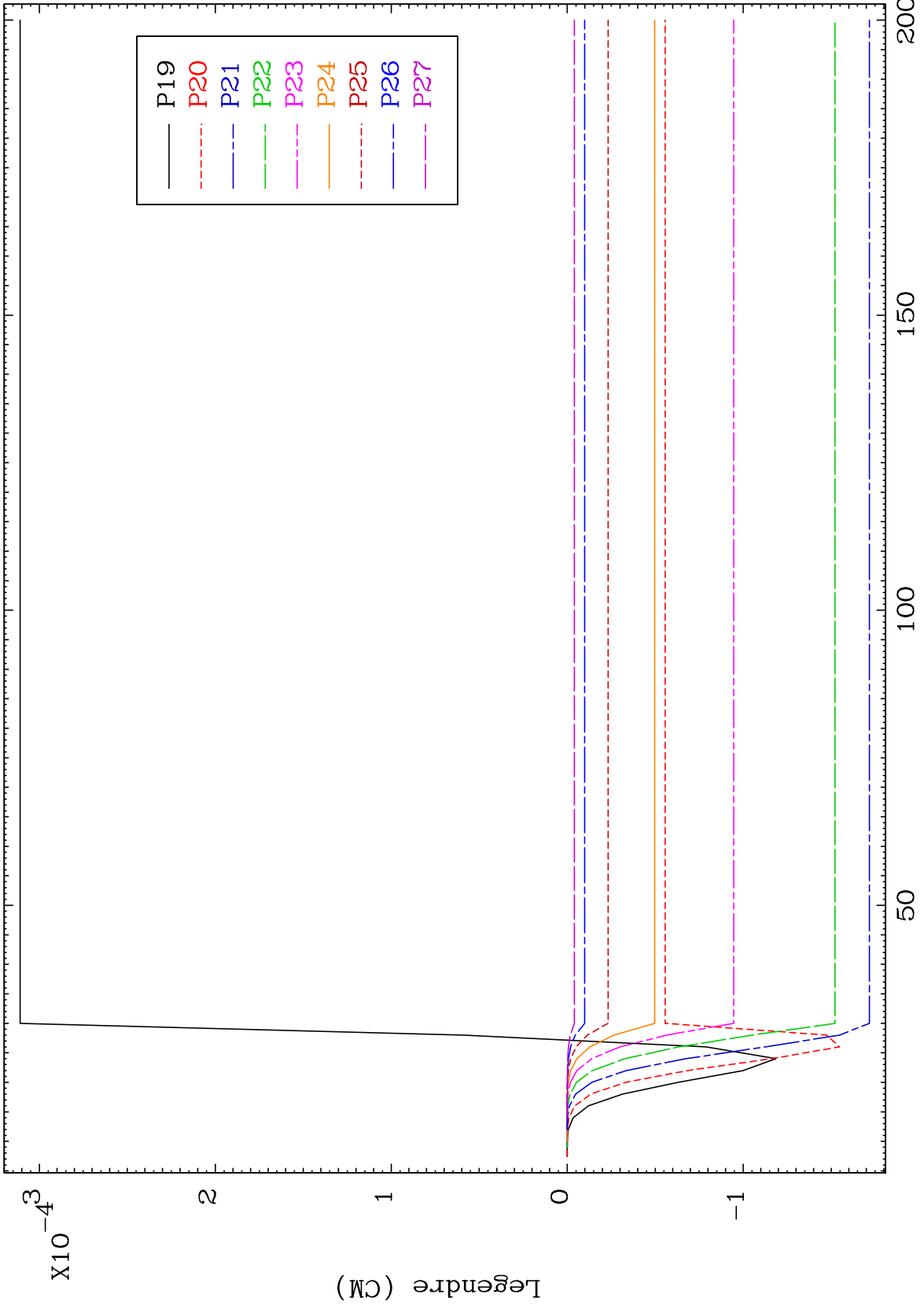
59-Pr-141



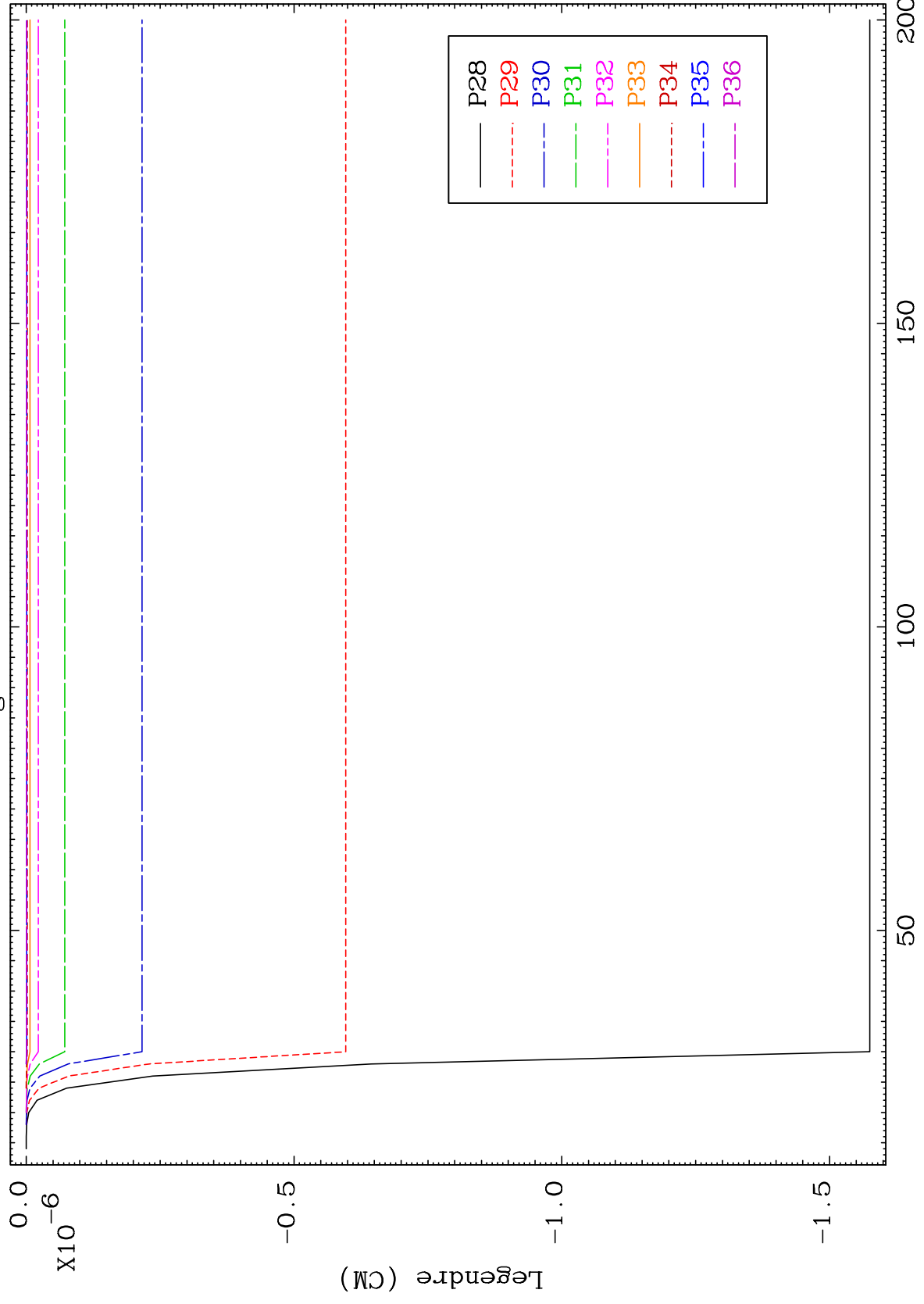
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Incident Energy (MeV)

59-Pr-141



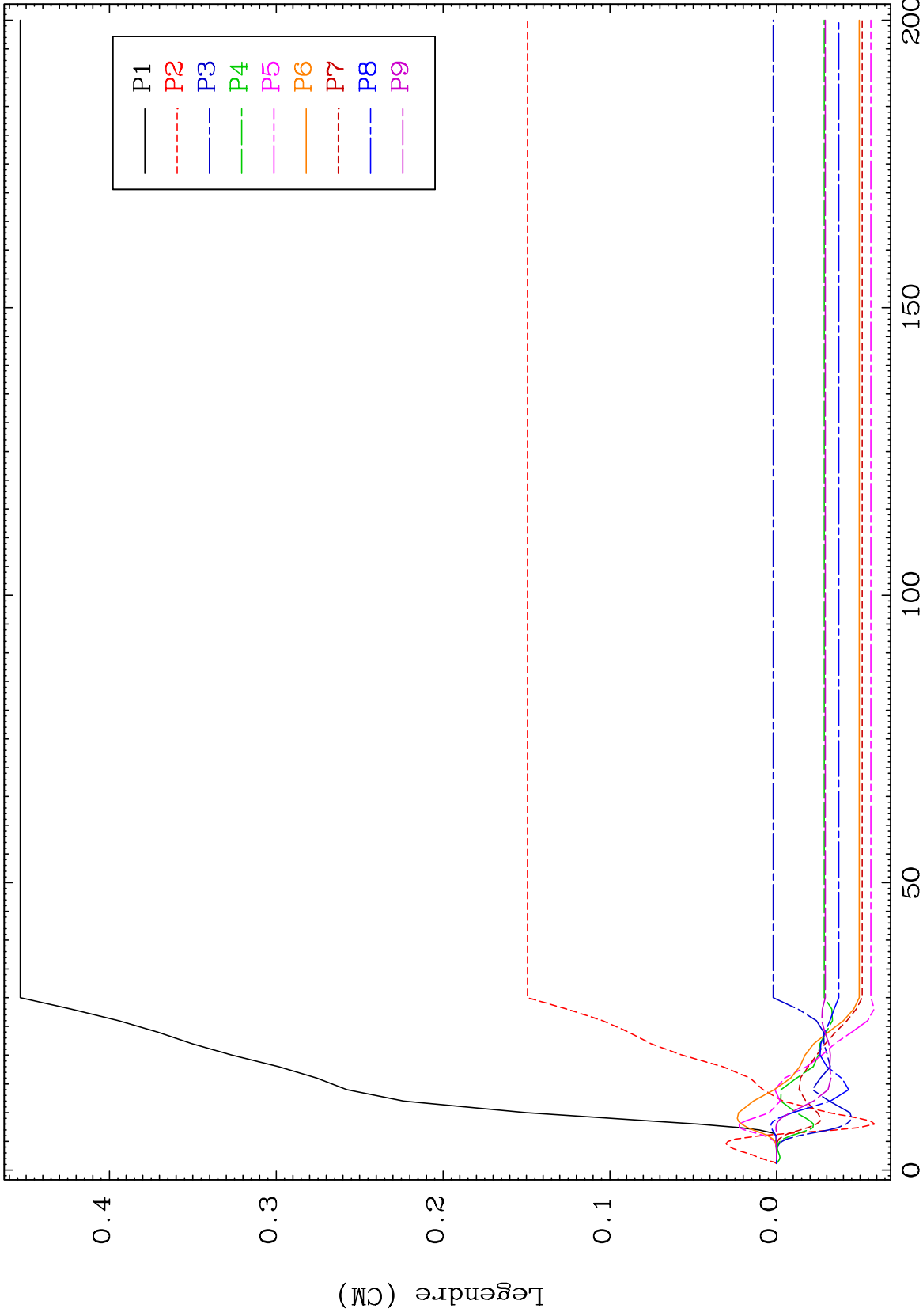
MAT 5925 MT= 52 (n,n') Level Legendre Coefficients 59-Pr-141



MAT 5925

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

59-Pr-141



28

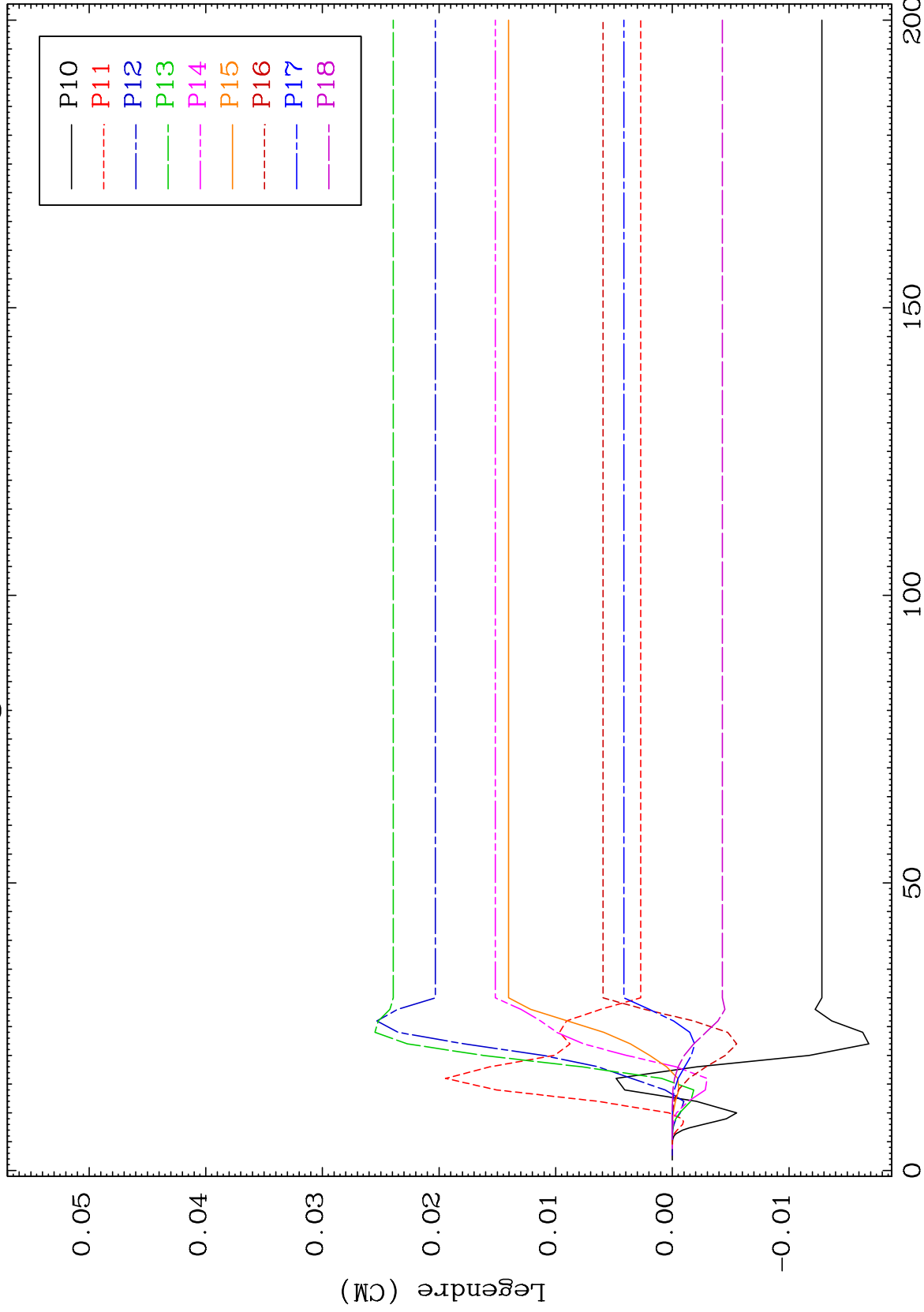
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



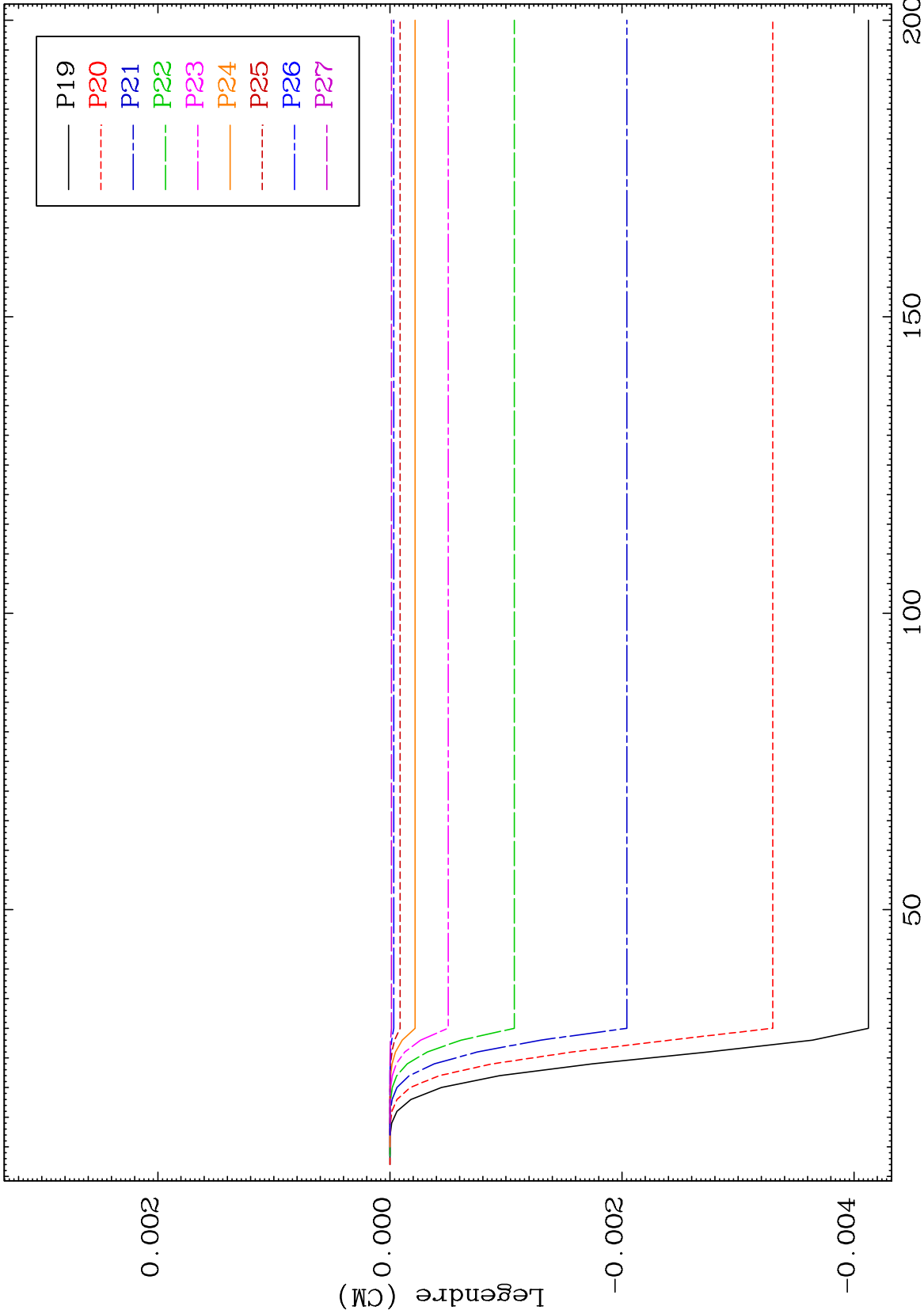
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59-Pr-141

MAT 5925

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

59-Pr-141



30

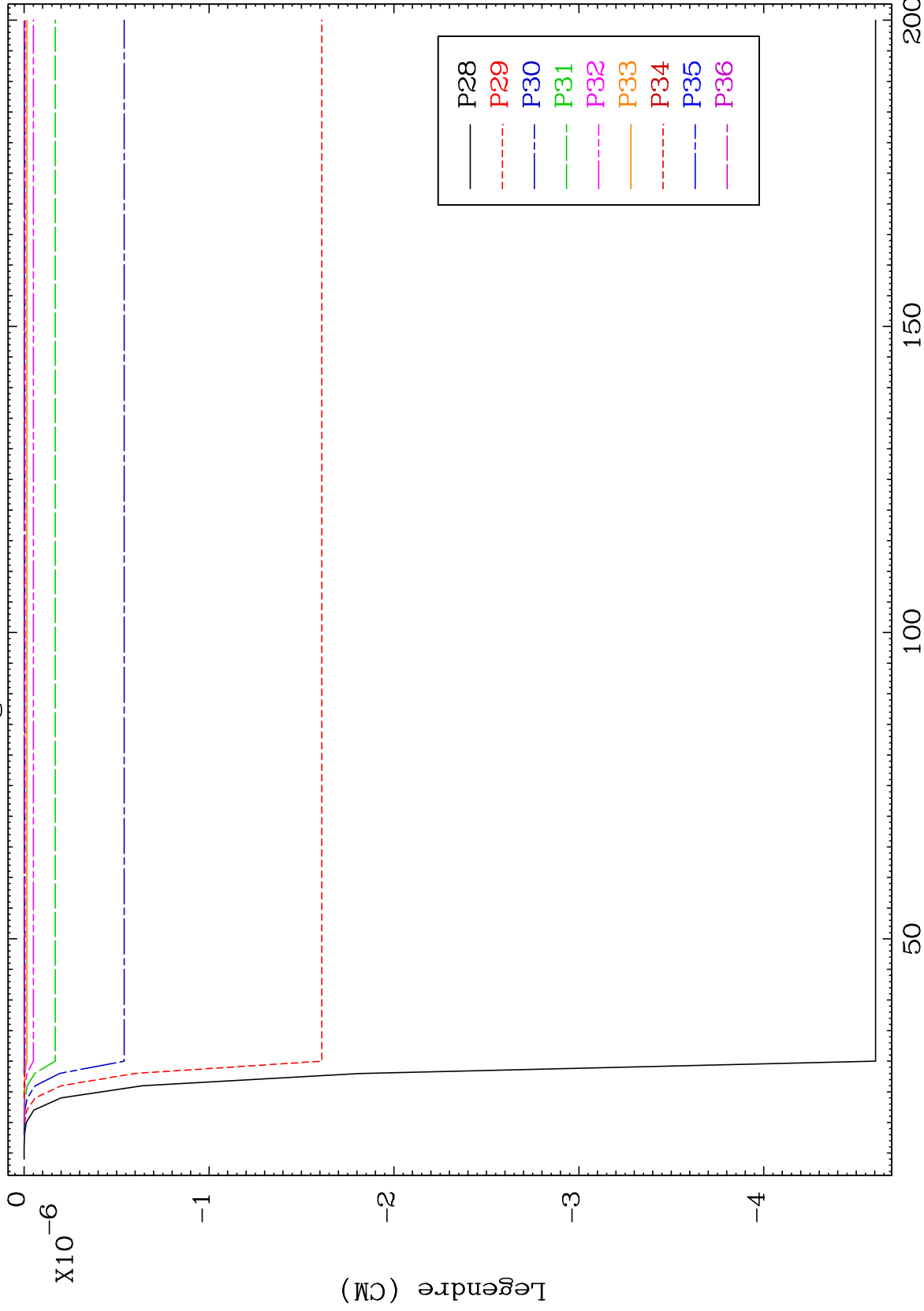
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



31

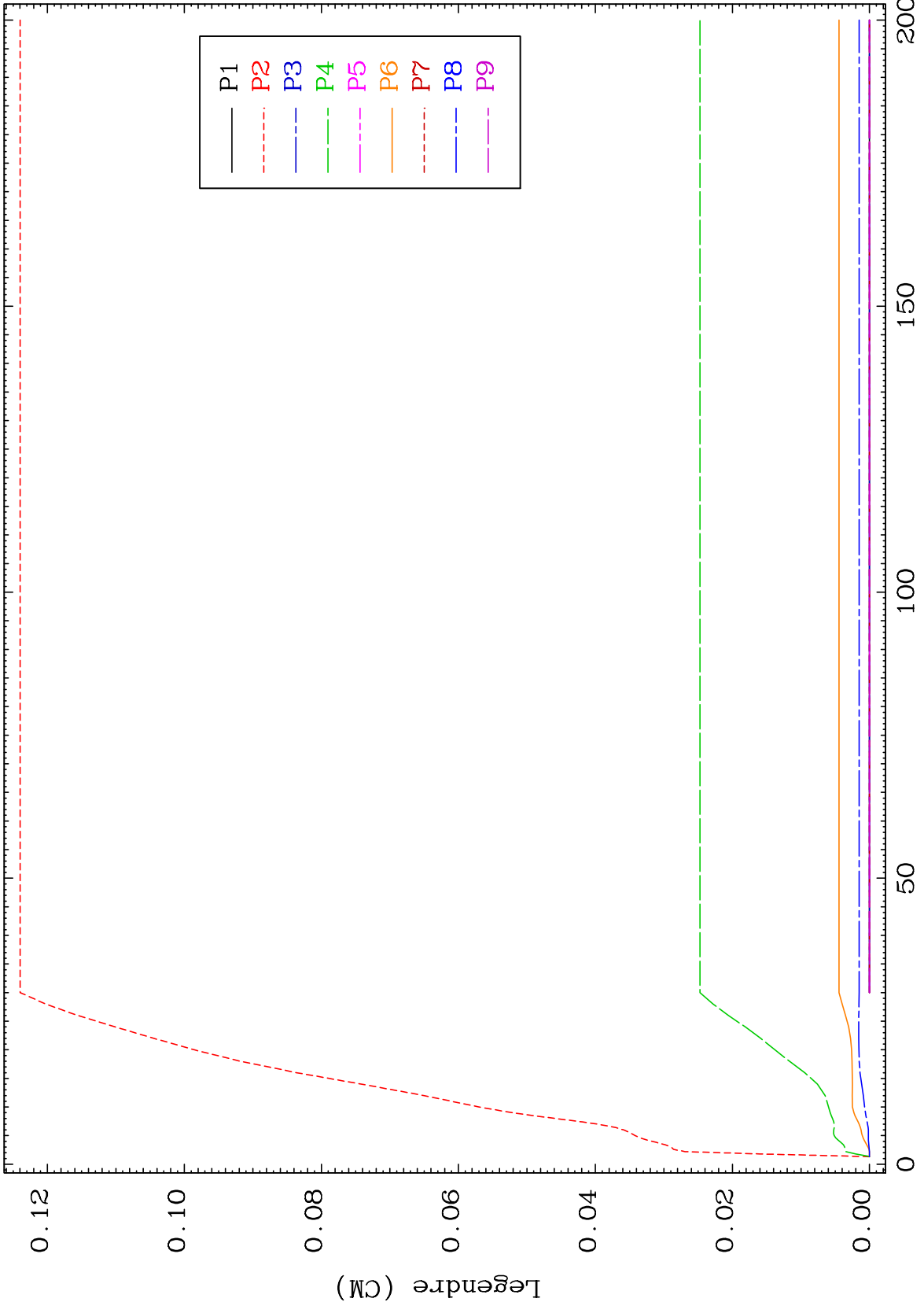
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



32

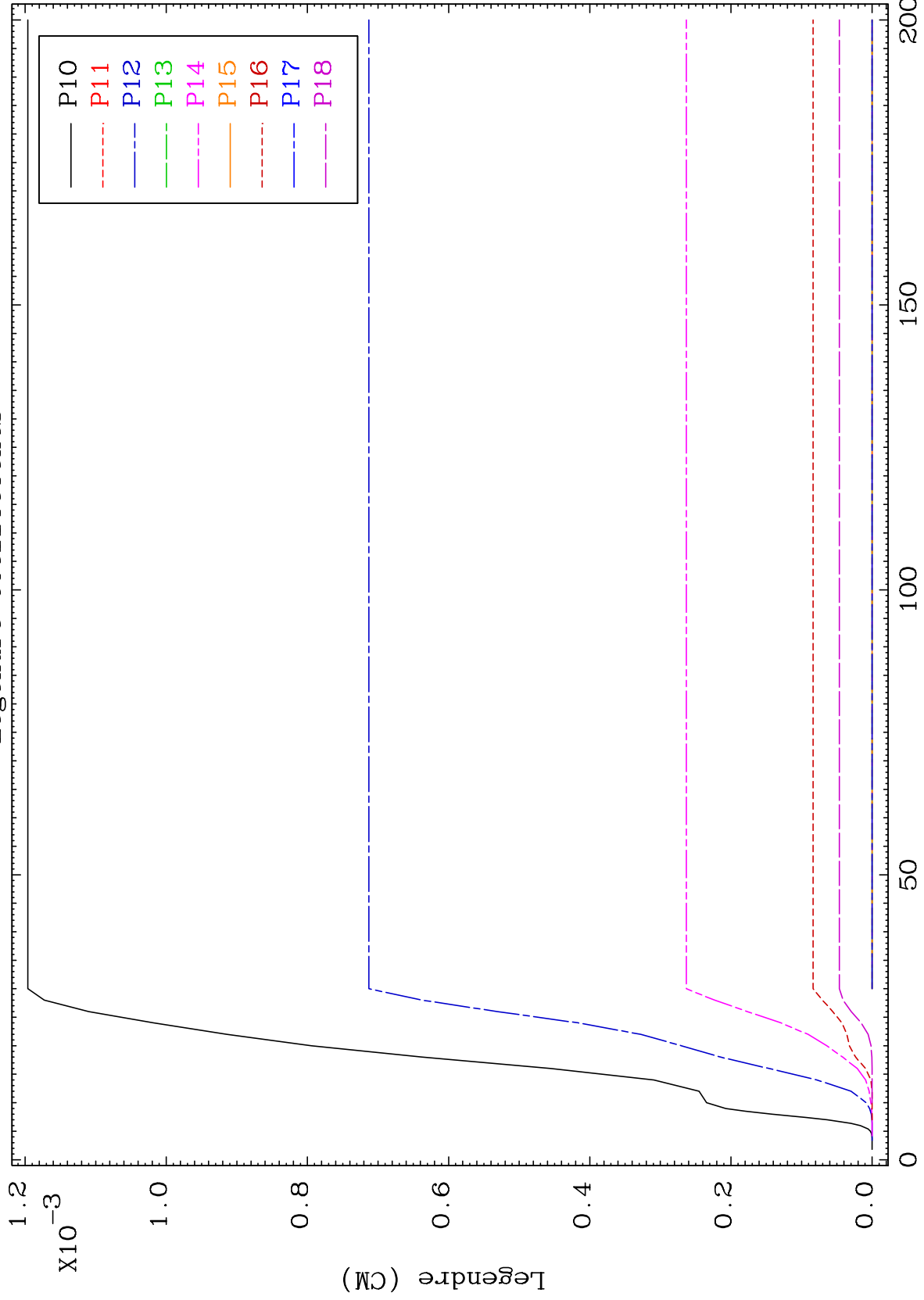
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



33

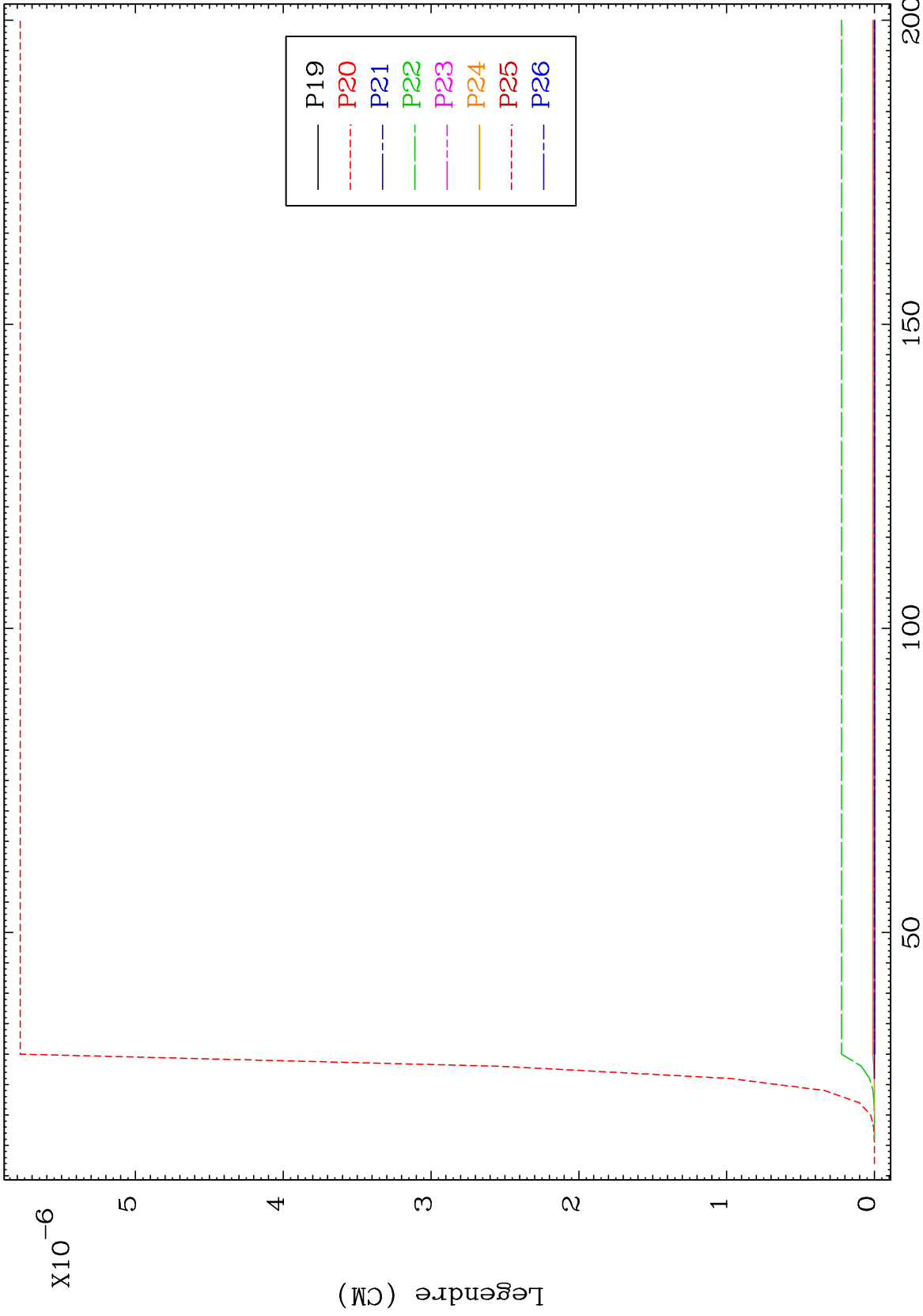
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141

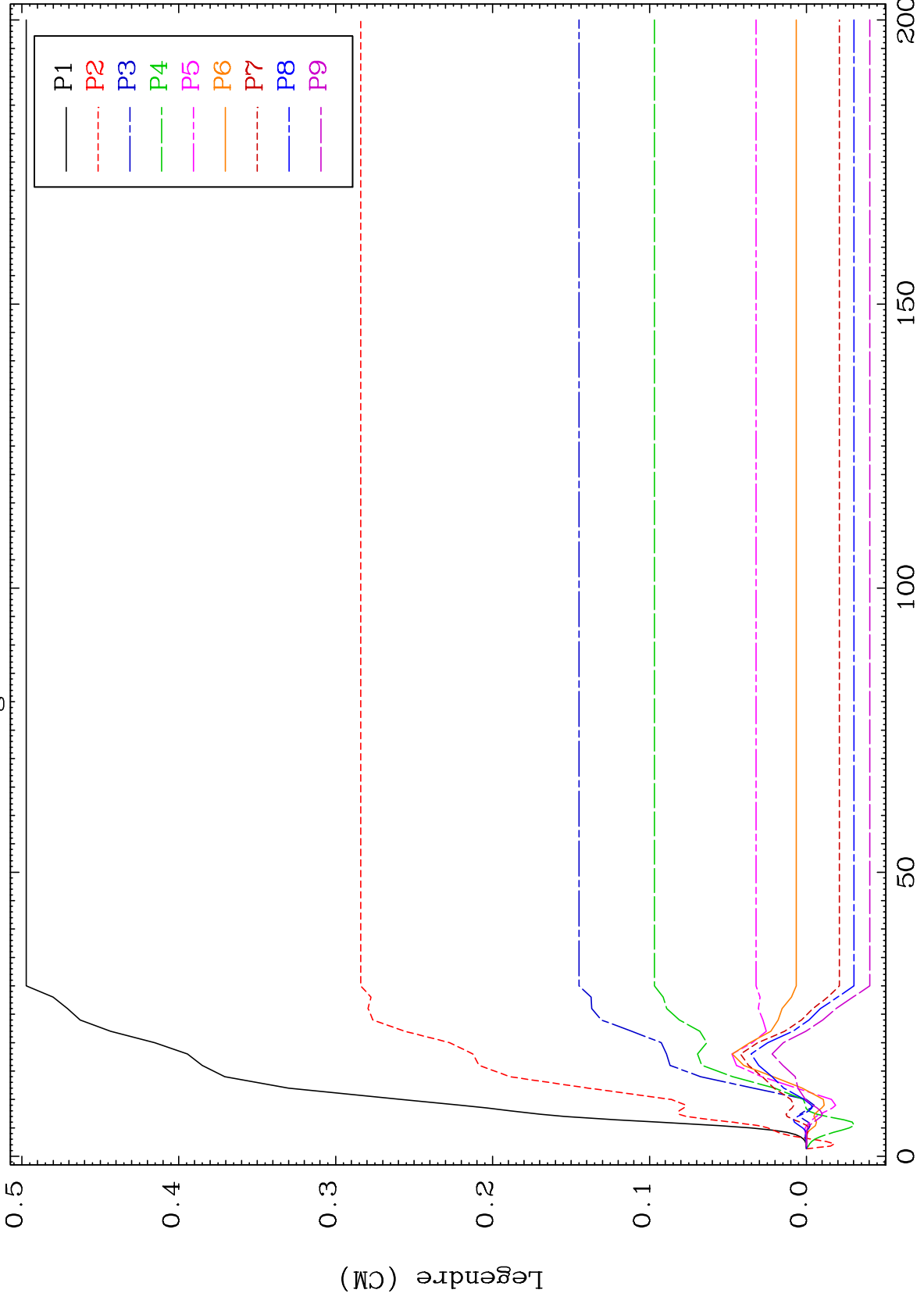


34

Incident Energy (MeV)

59-Pr-141

MAT 5925 MT= 55 (n,n') Level Legendre Coefficients 59-Pr-141

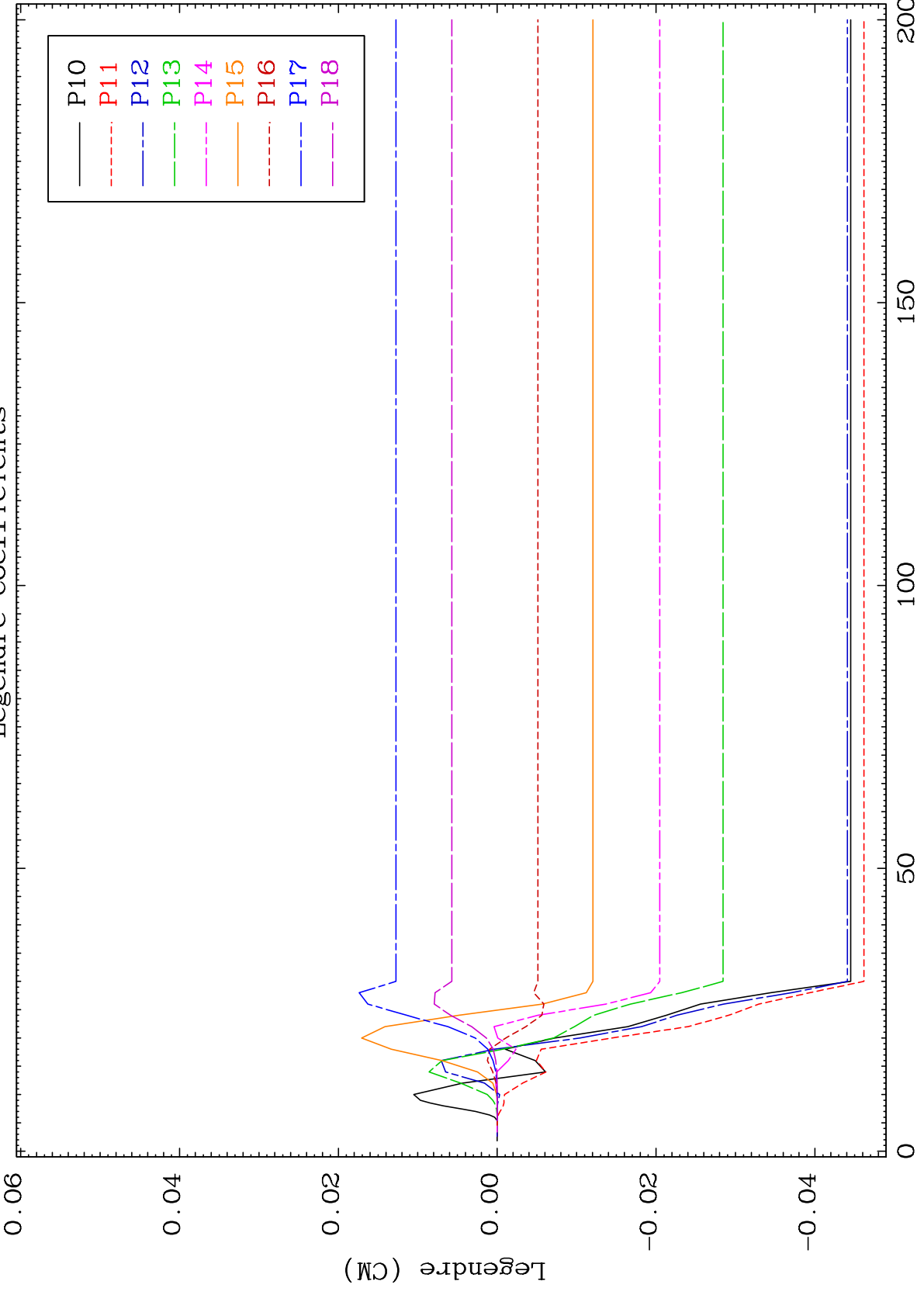


35 50 100 150 200 59-Pr-141

MAT 5925

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

59-Pr-141



36

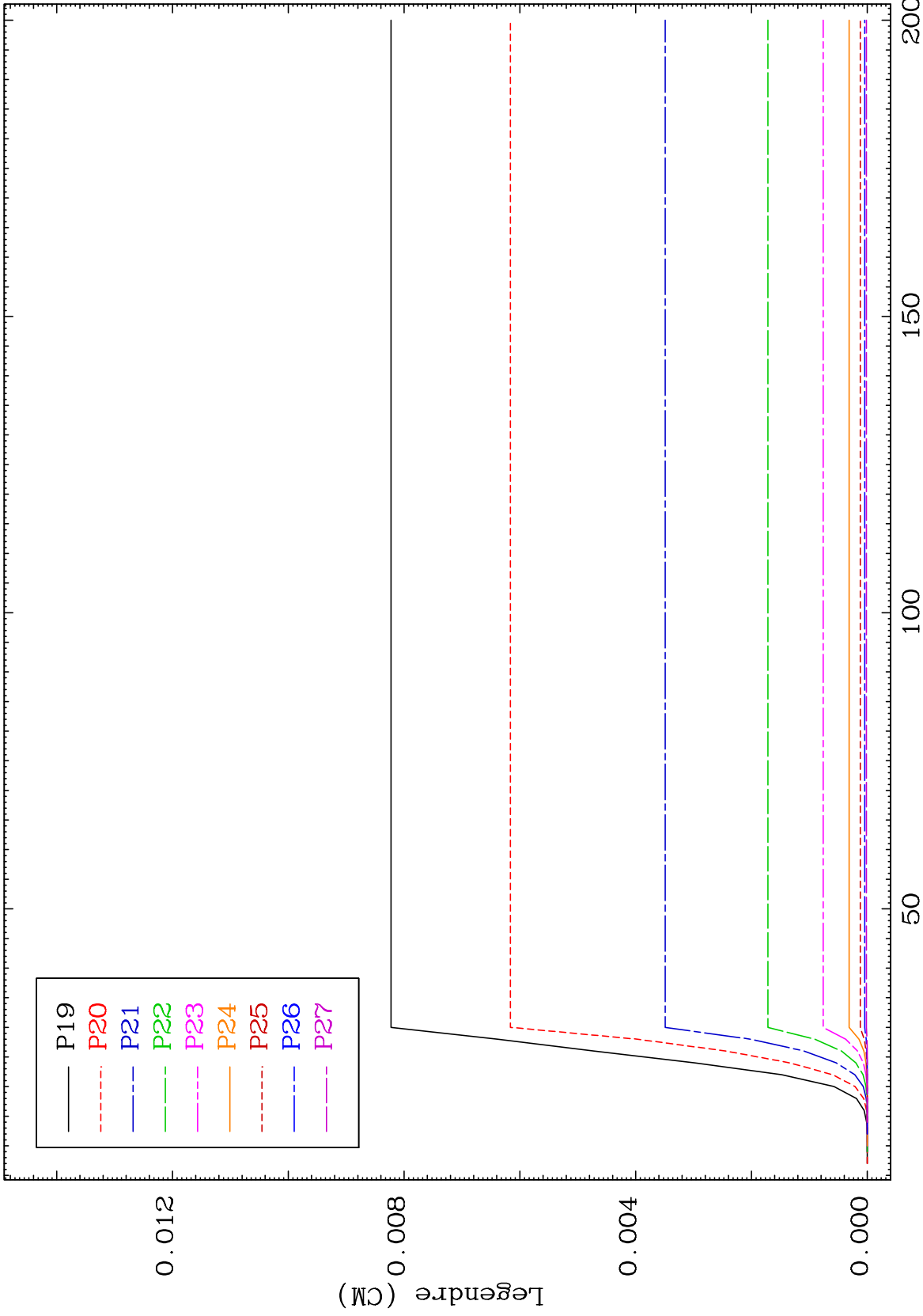
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



37

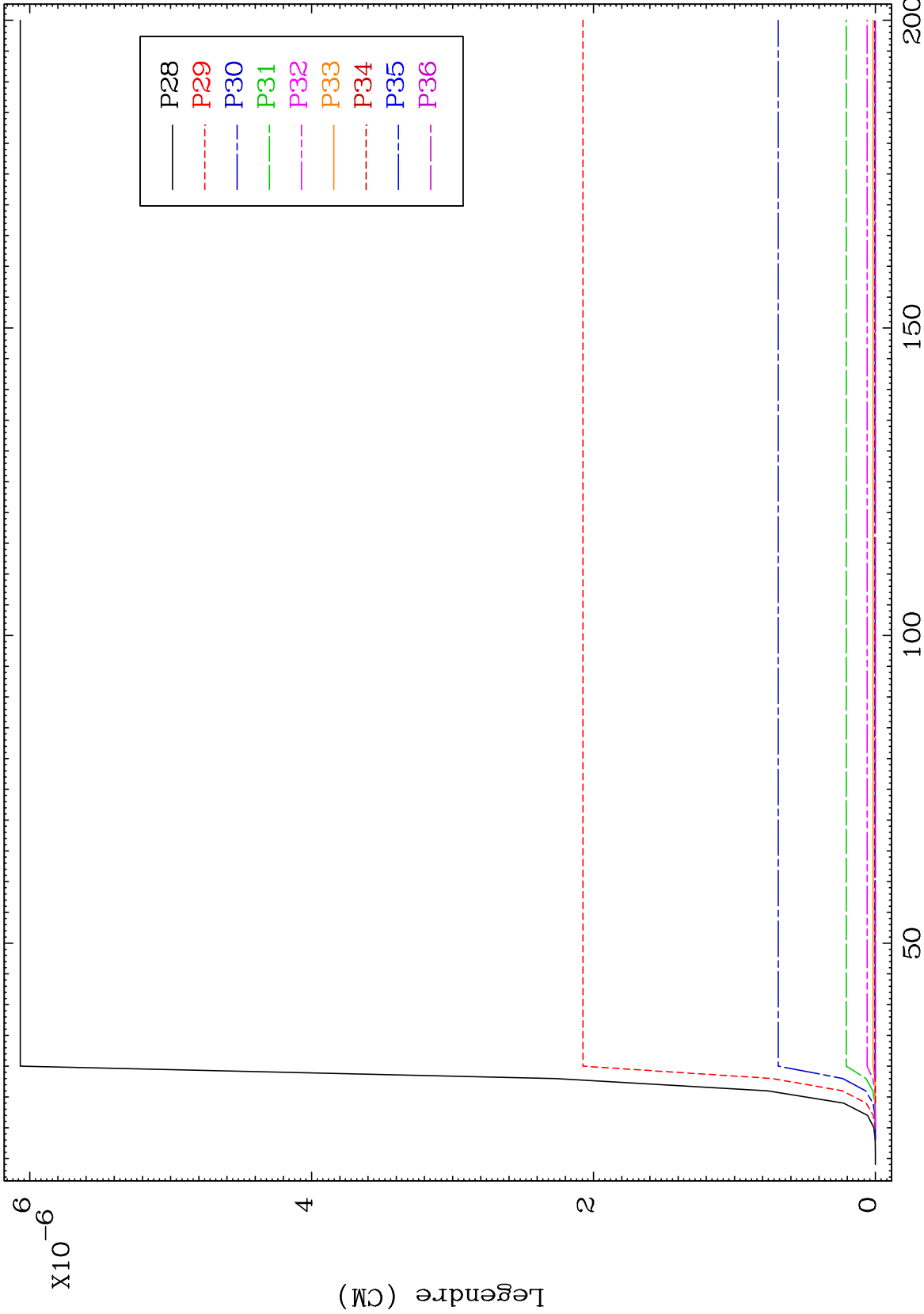
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



38

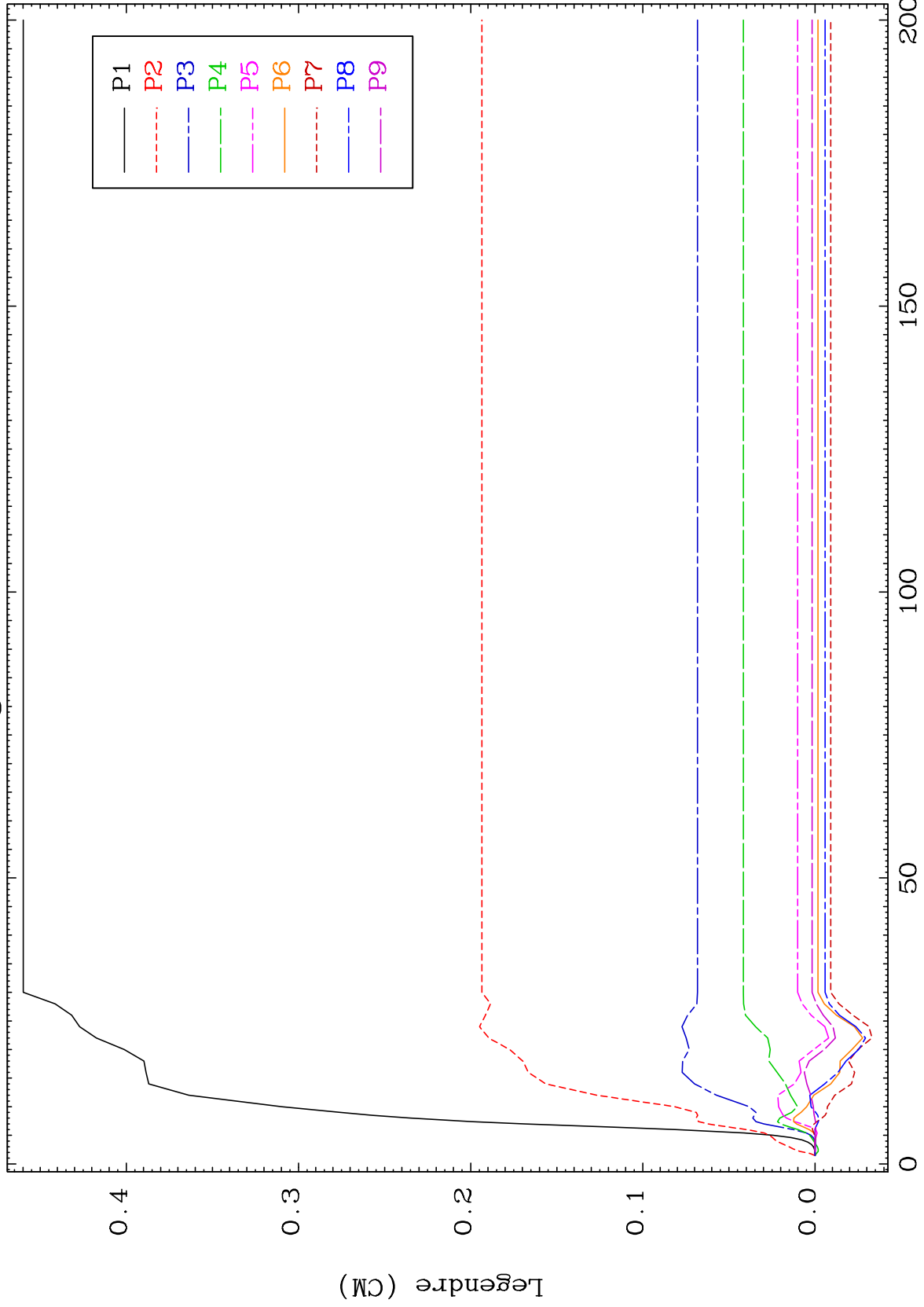
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



39

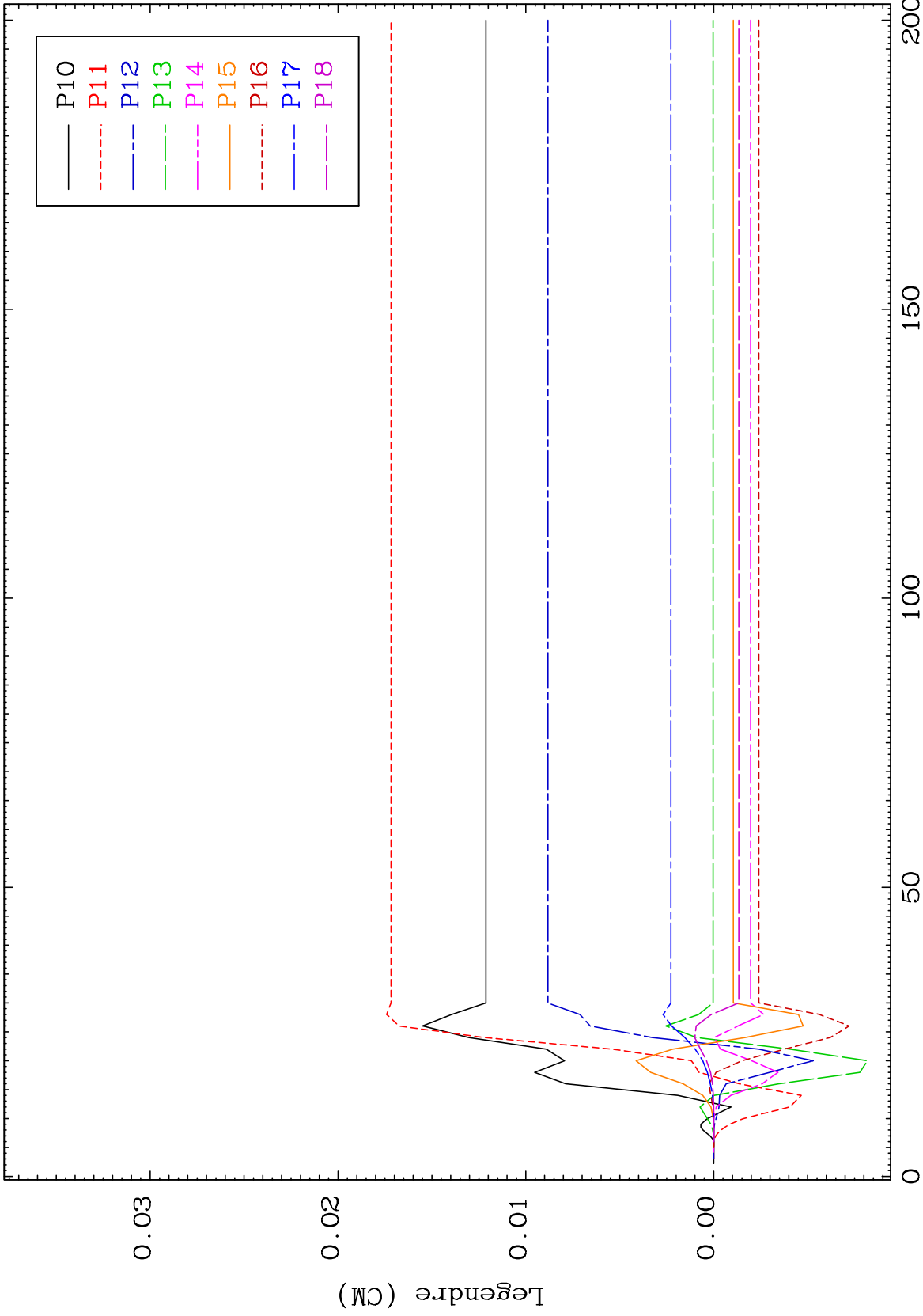
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



59-Pr-141

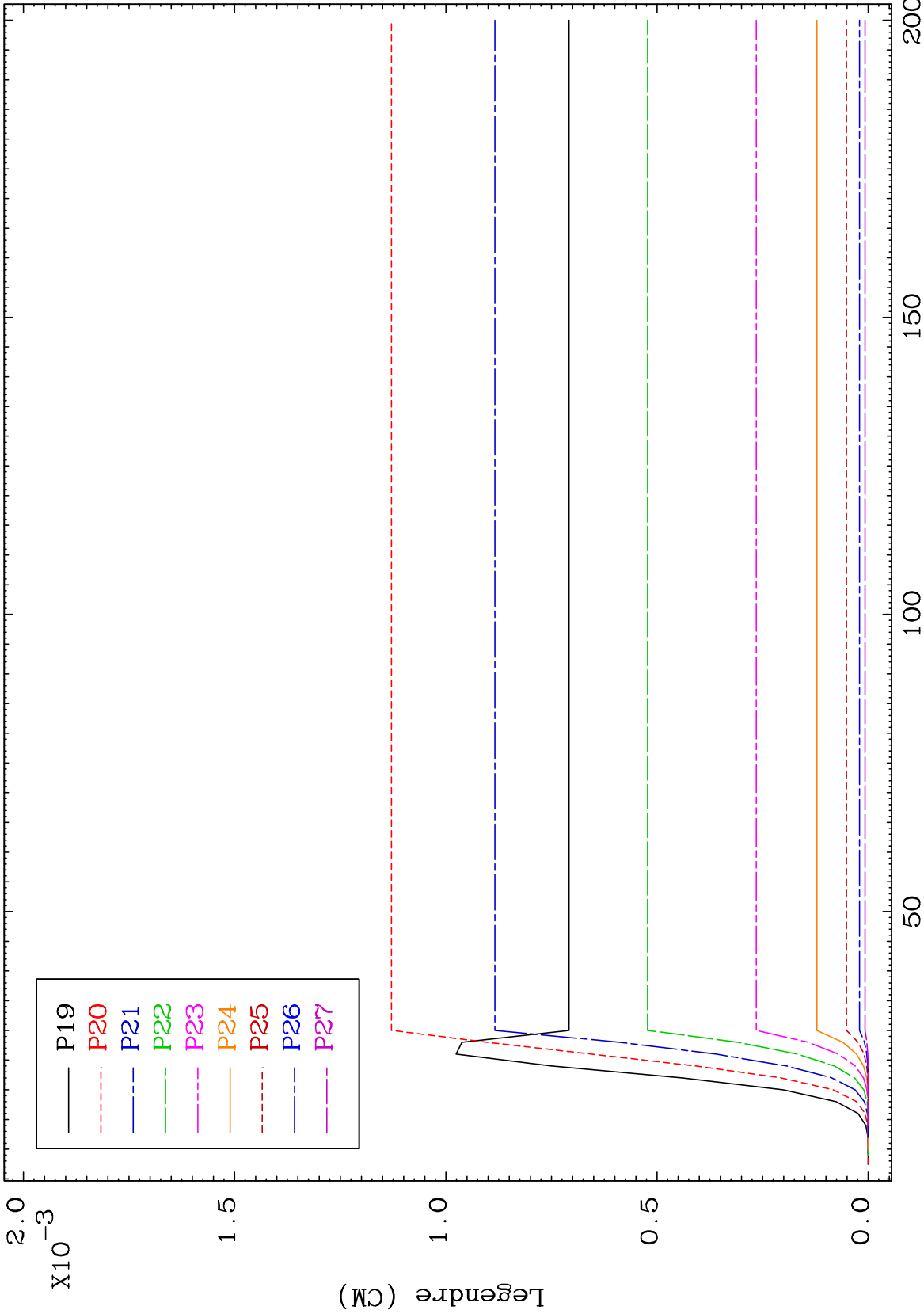
Incident Energy (MeV)

40

MAT 5925

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

59-Pr-141



41

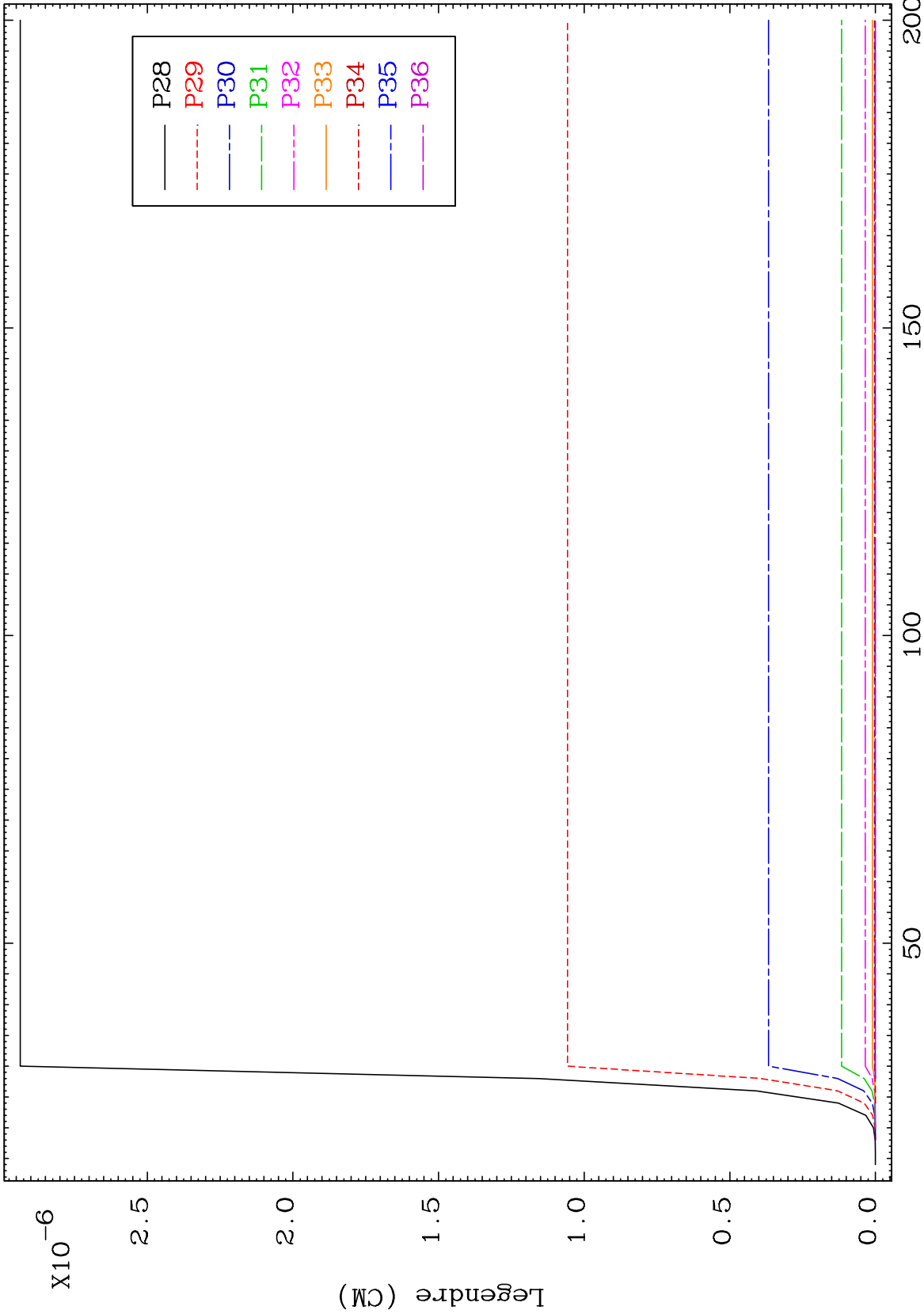
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



42

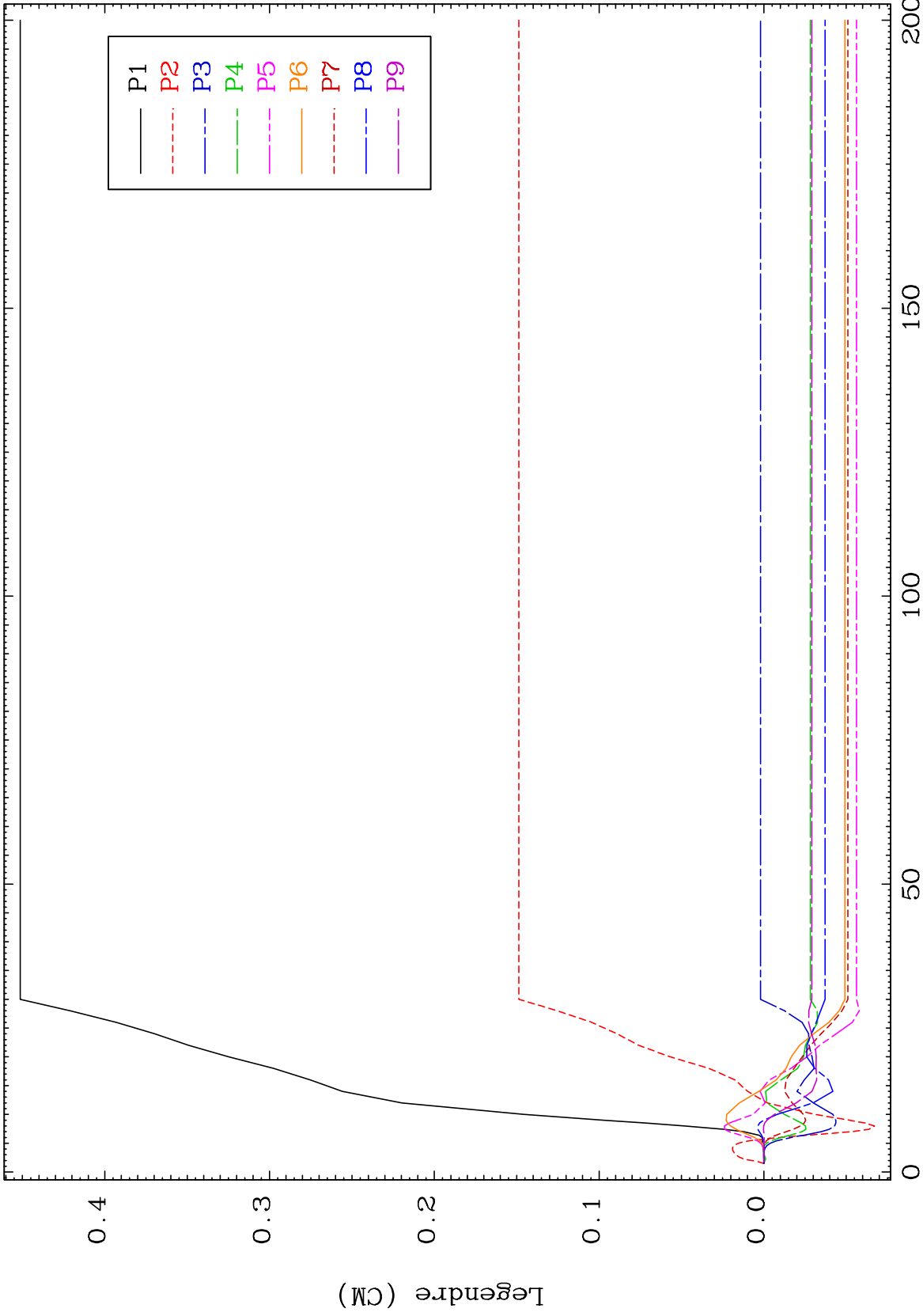
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



43

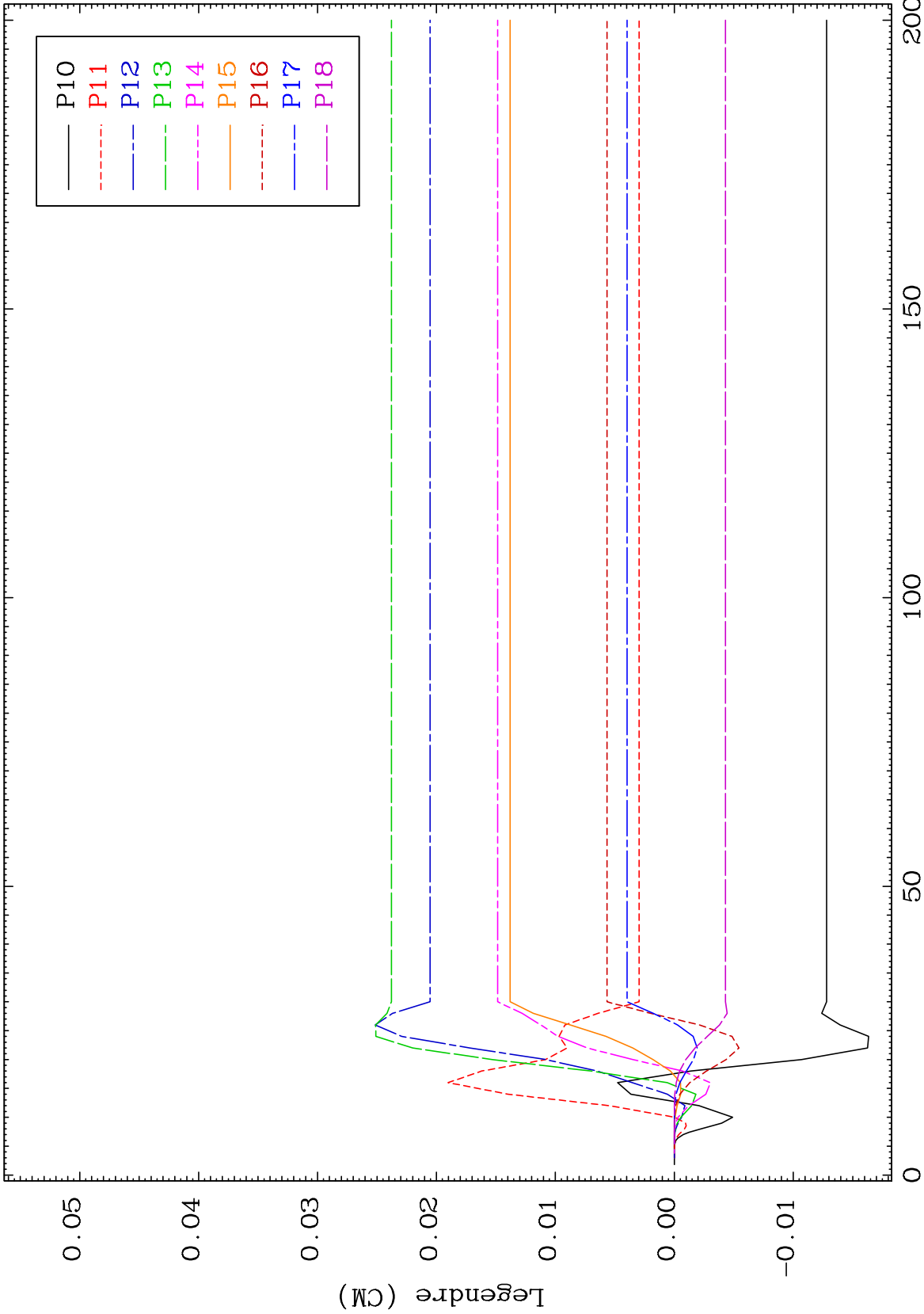
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



44

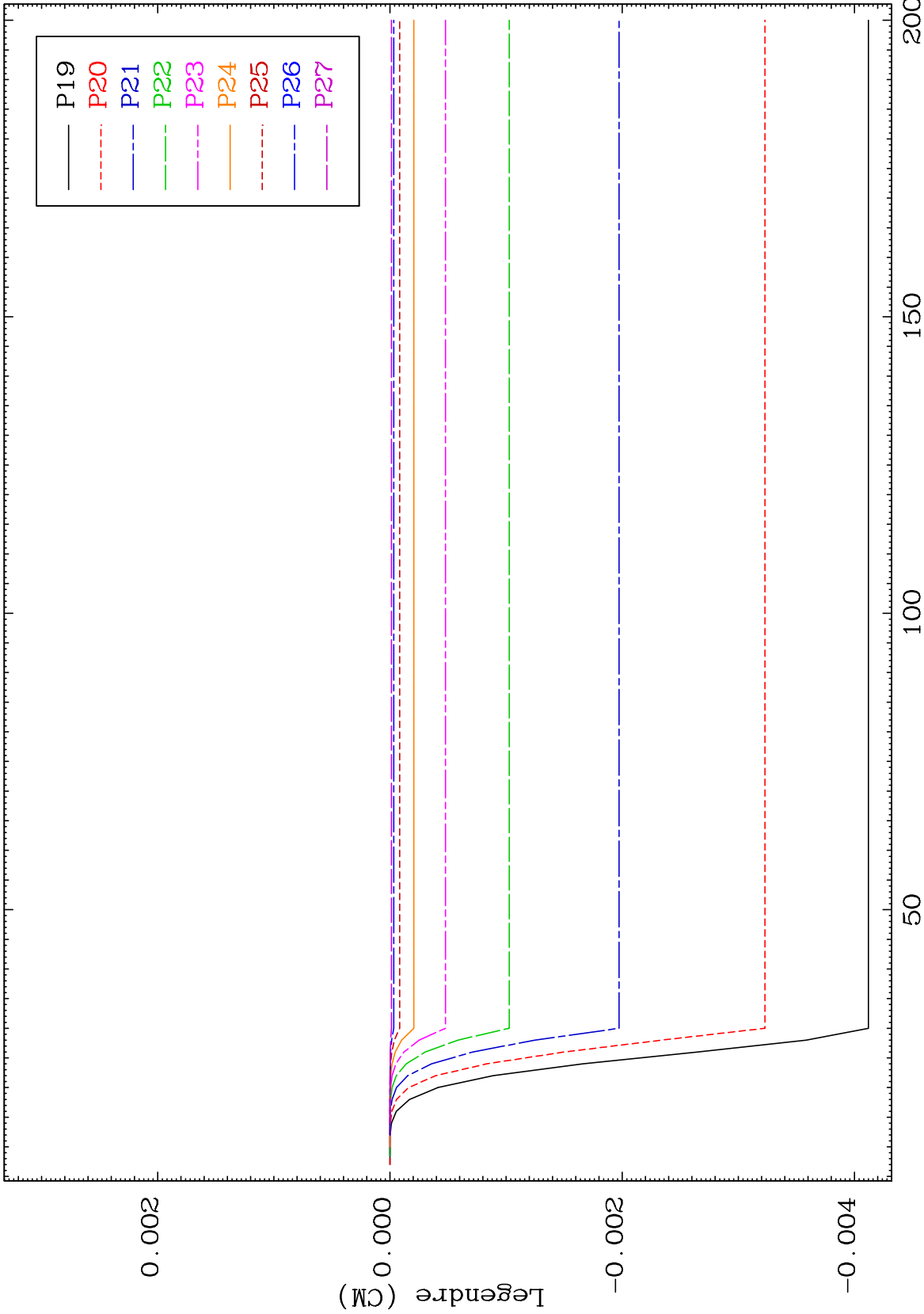
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141

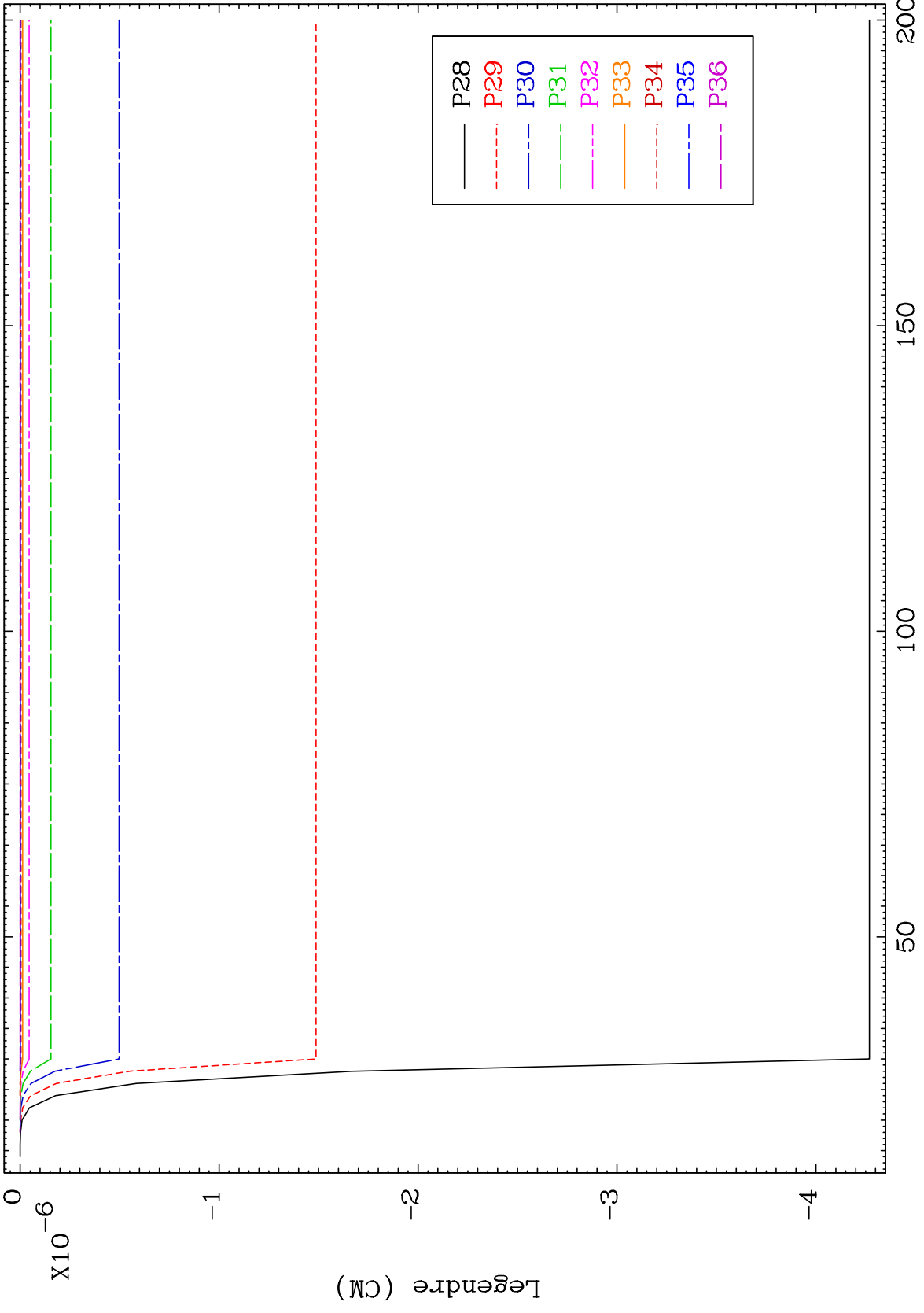


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Incident Energy (MeV)

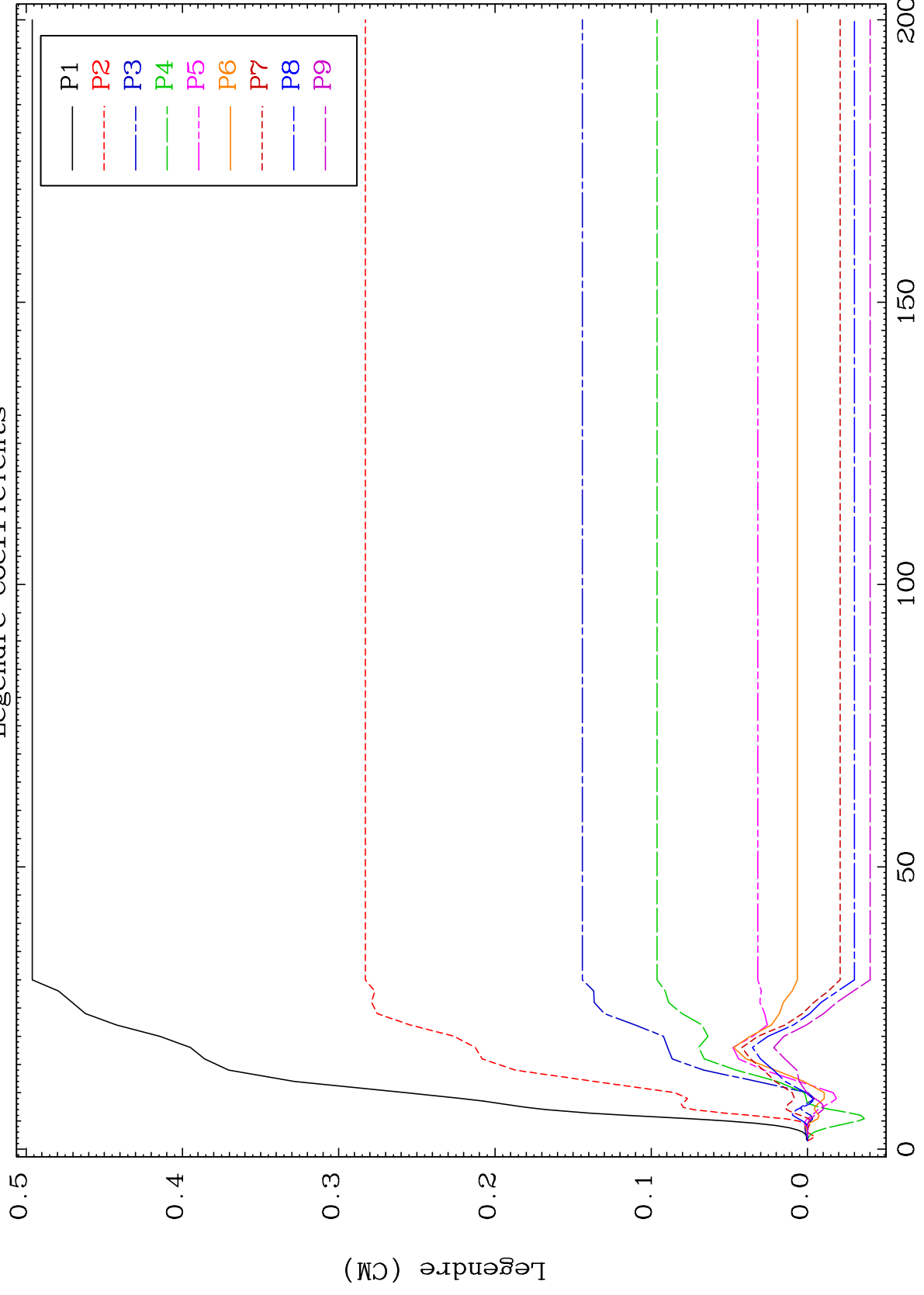
59-Pr-141

MAT 5925 MT= 57 (n,n') Level Legendre Coefficients 59-Pr-141



46 Incident Energy (MeV) 59-Pr-141

MAT 5925 MT= 58 (n,n') Level Legendre Coefficients 59-Pr-141

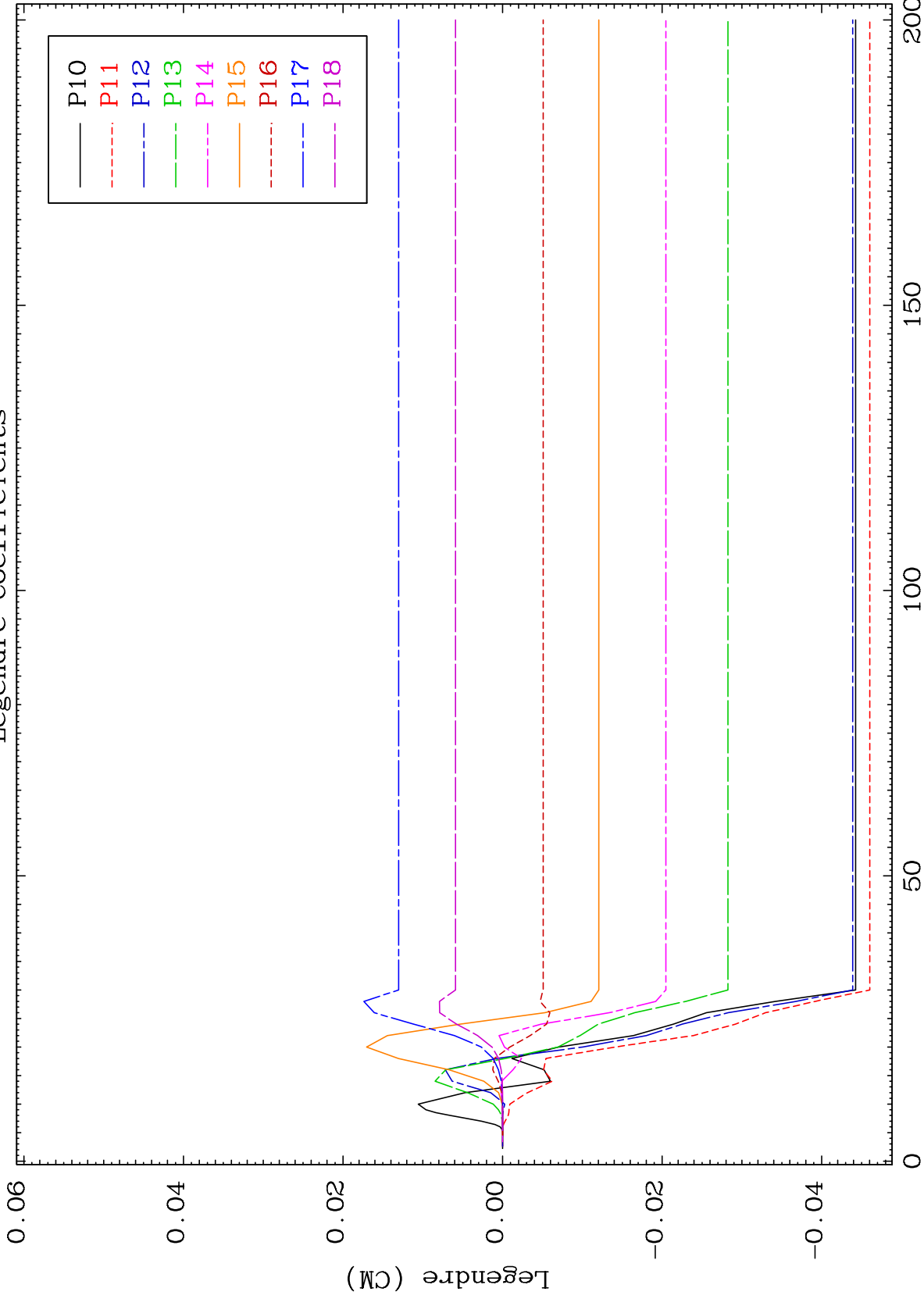


47 59-Pr-141

MAT 5925

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

59-Pr-141



48

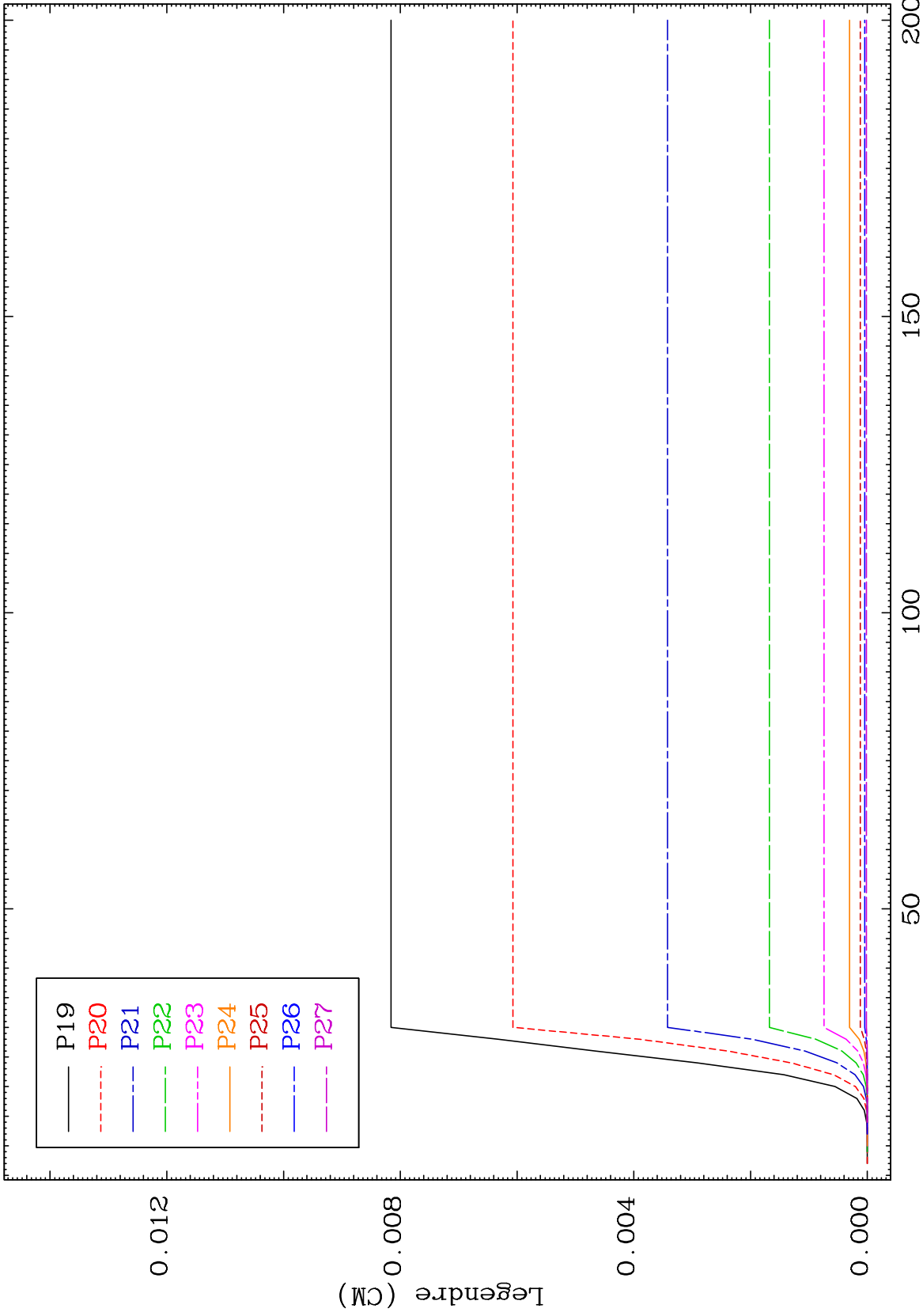
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



49

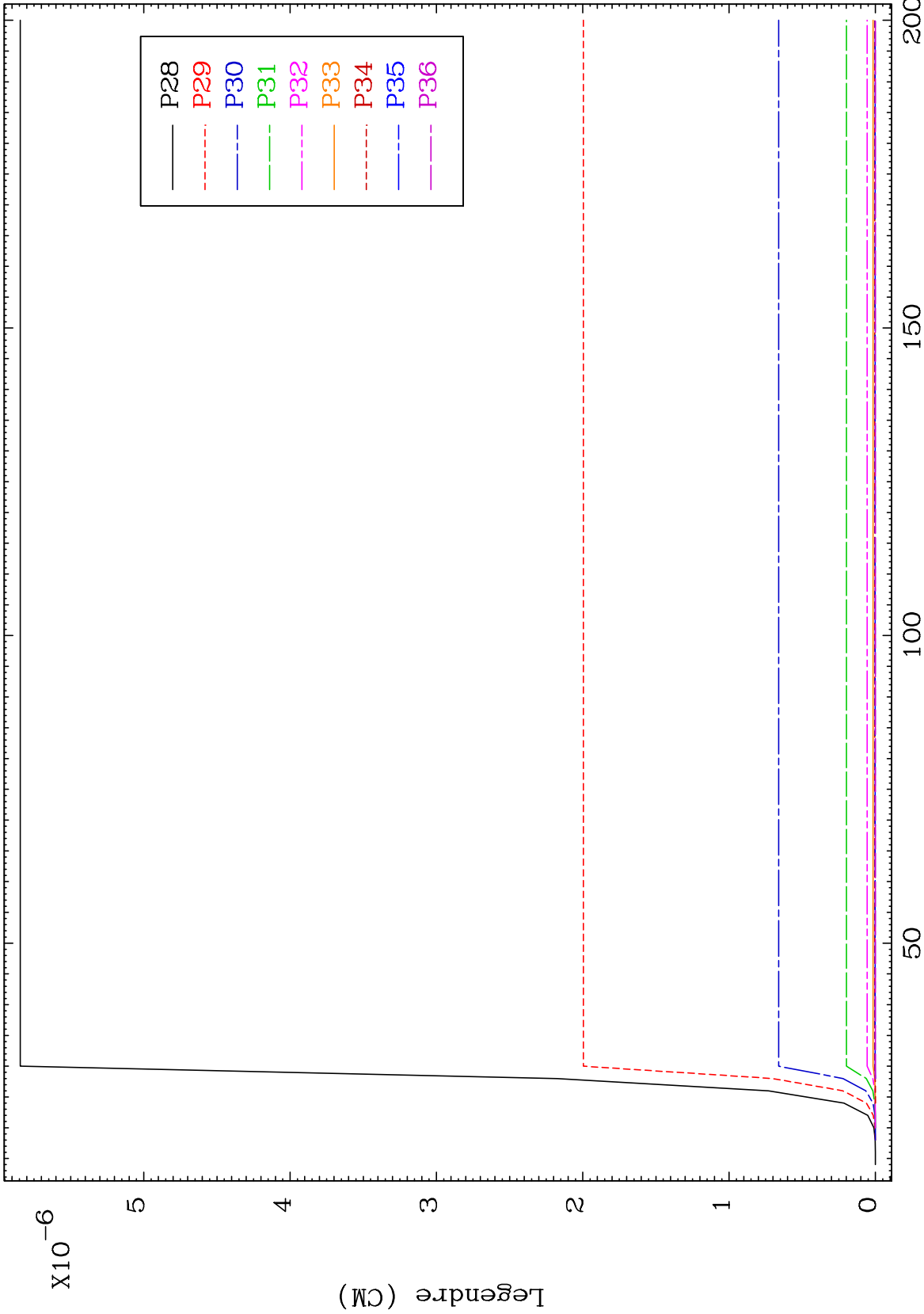
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



50

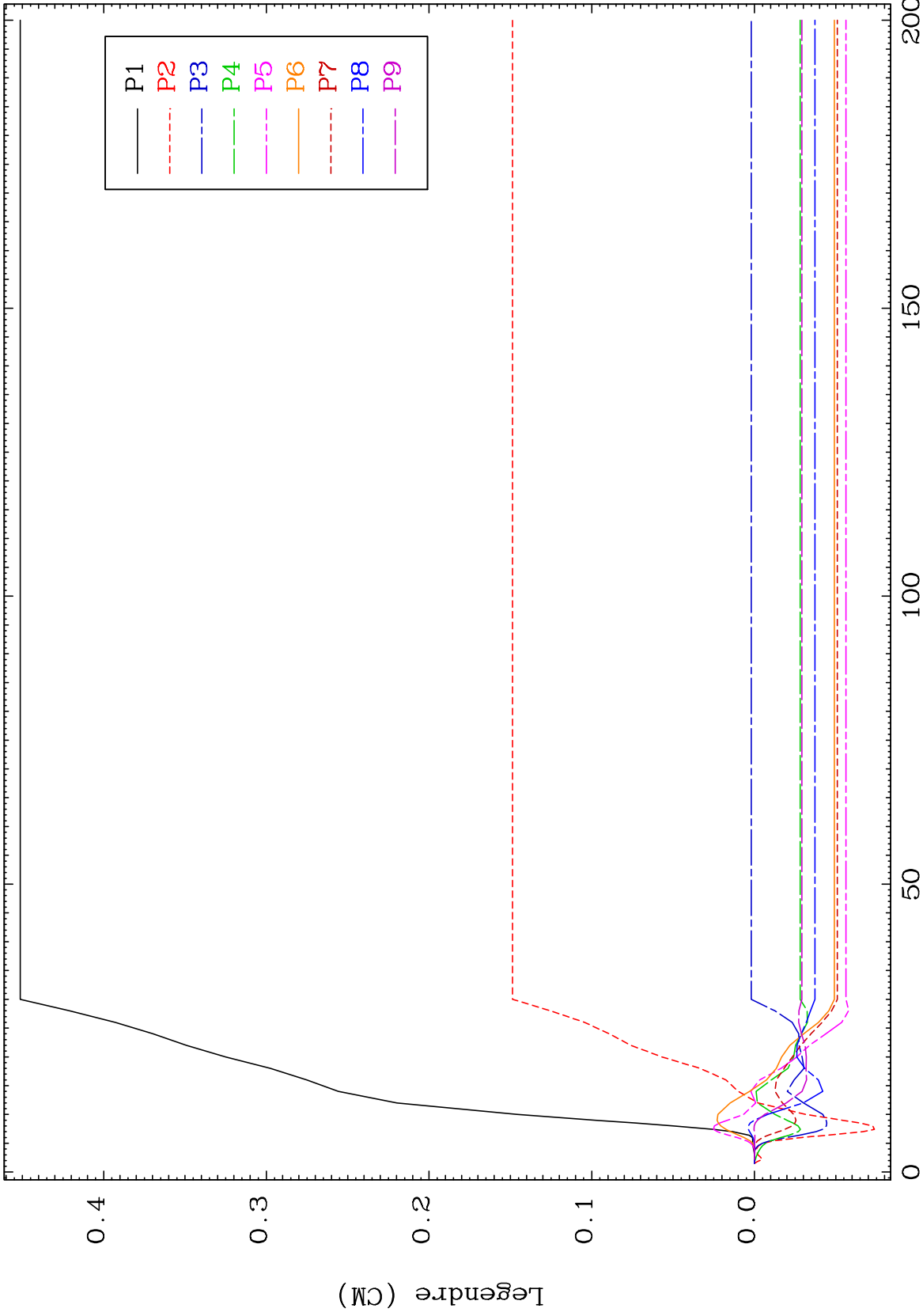
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



51

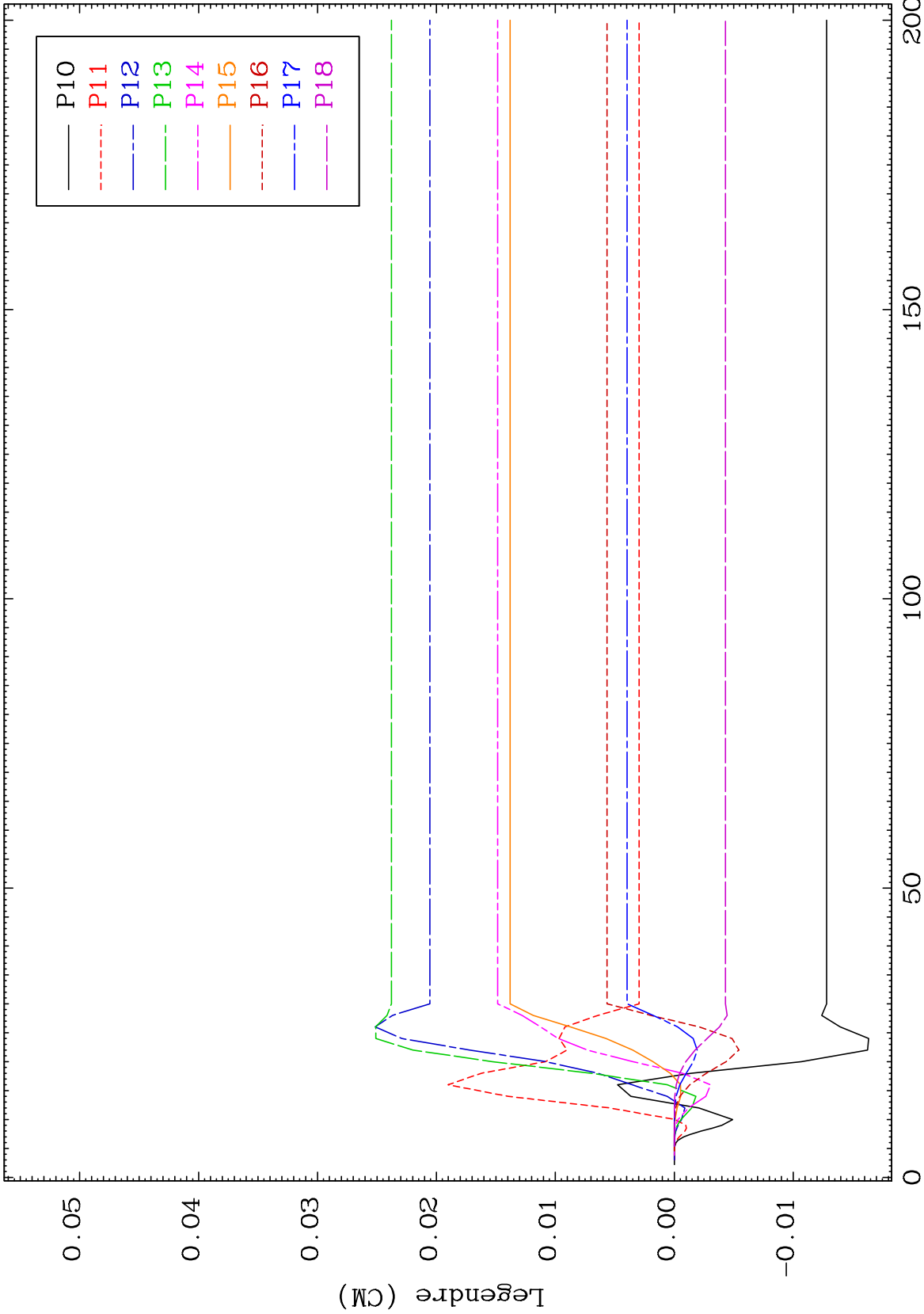
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



52

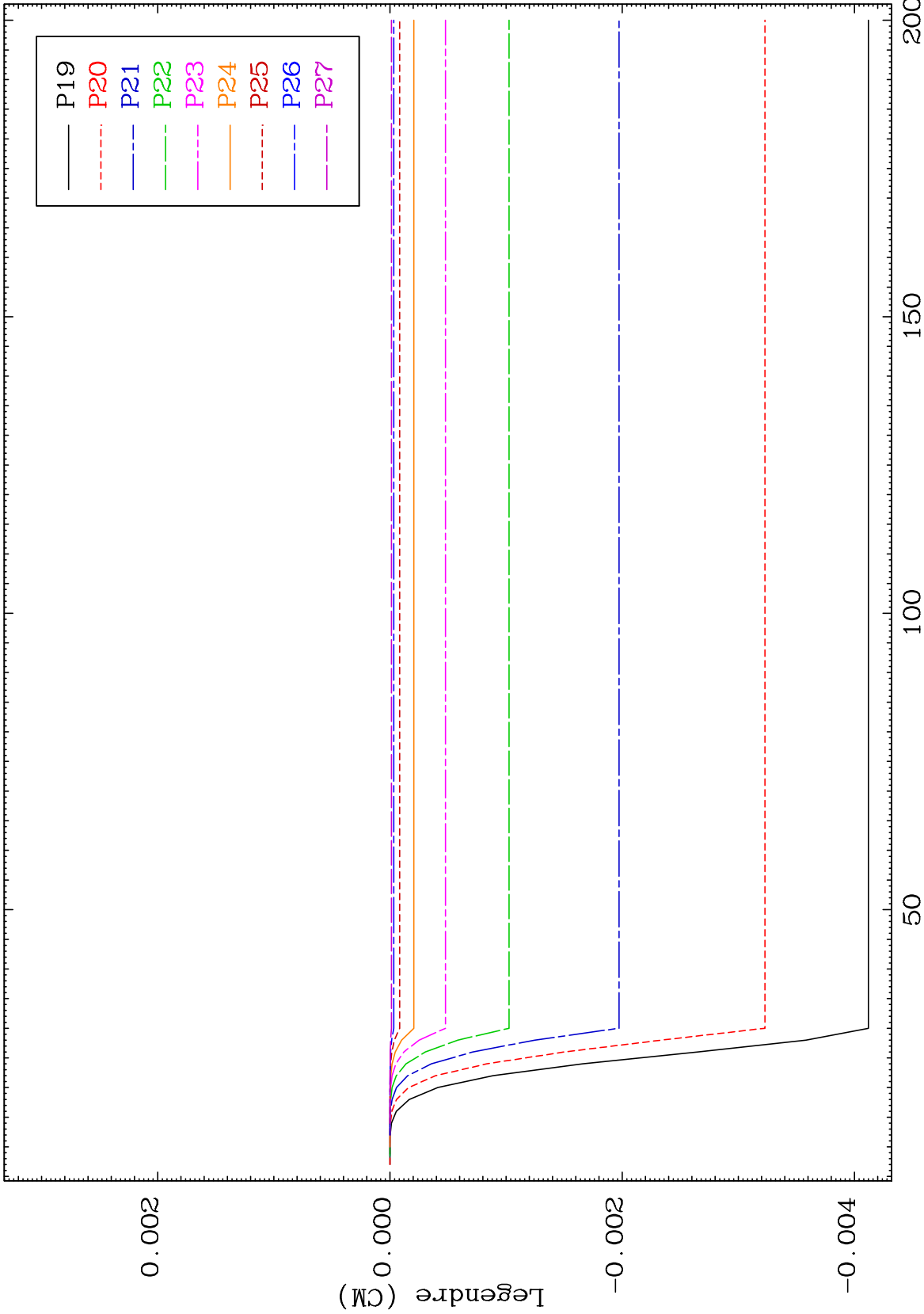
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

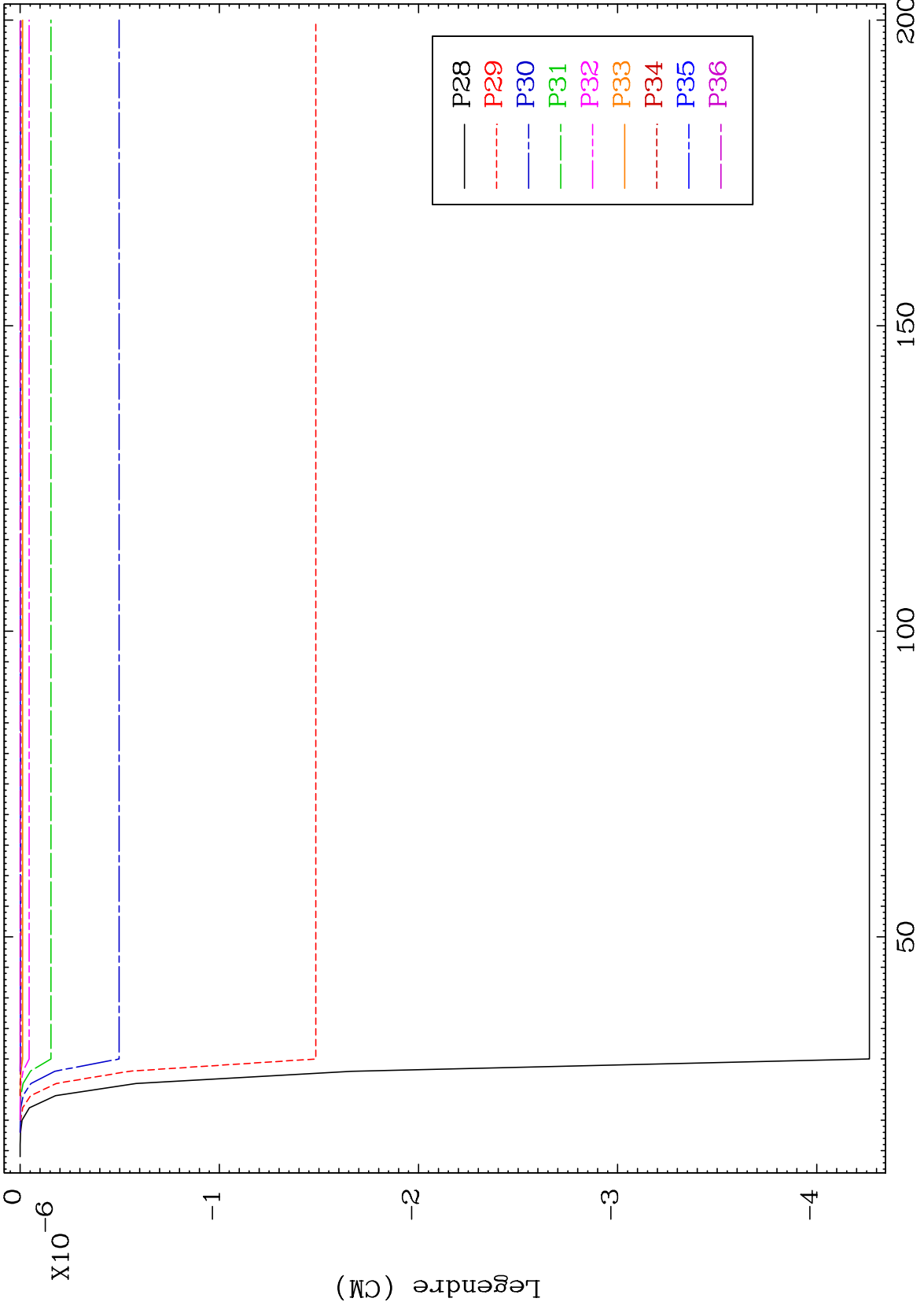
59-Pr-141



53

59-Pr-141

MAT 5925 MT= 59 (n,n') Level Legendre Coefficients 59-Pr-141

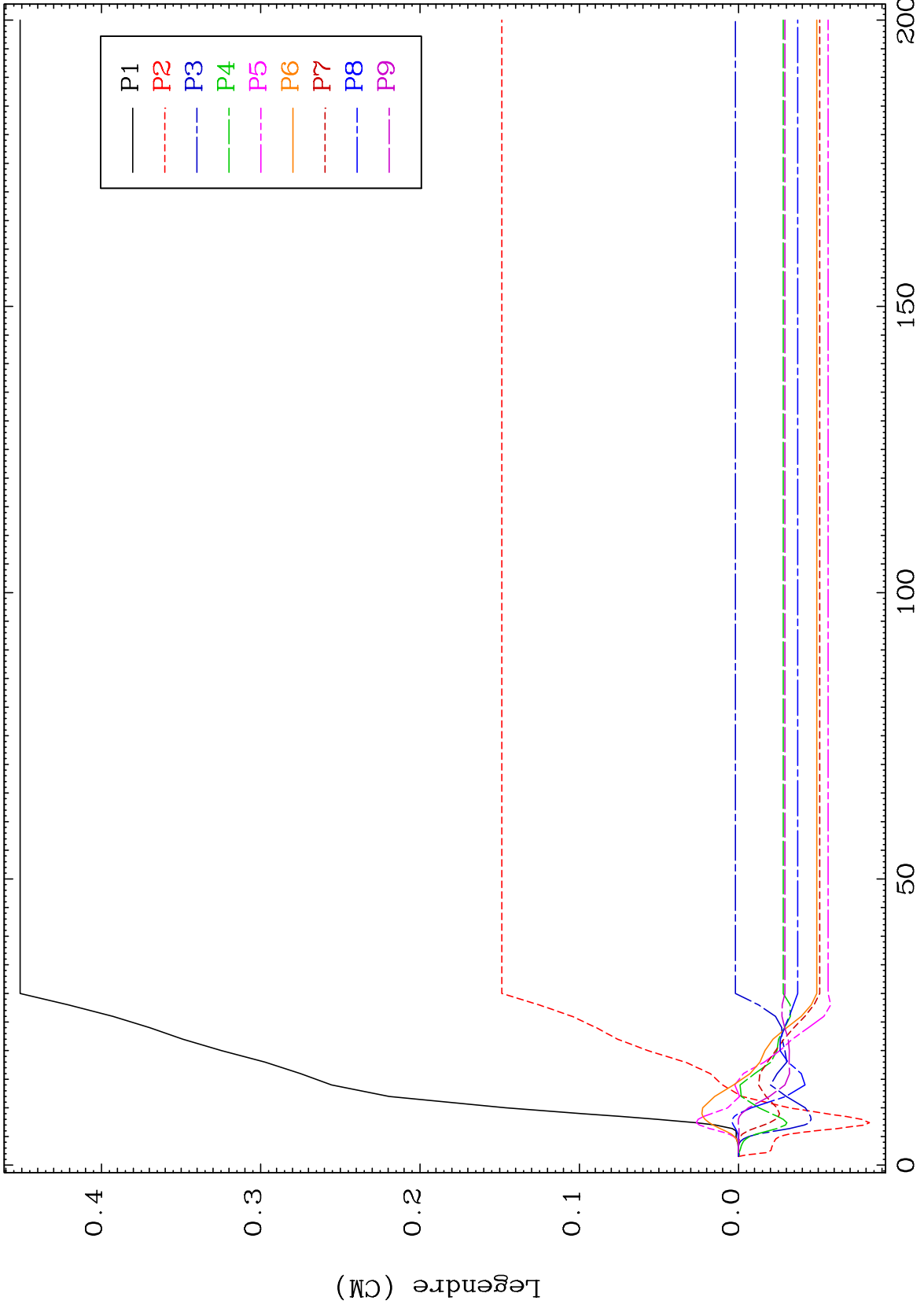


54 59-Pr-141

MAT 5925

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

59-Pr-141



55

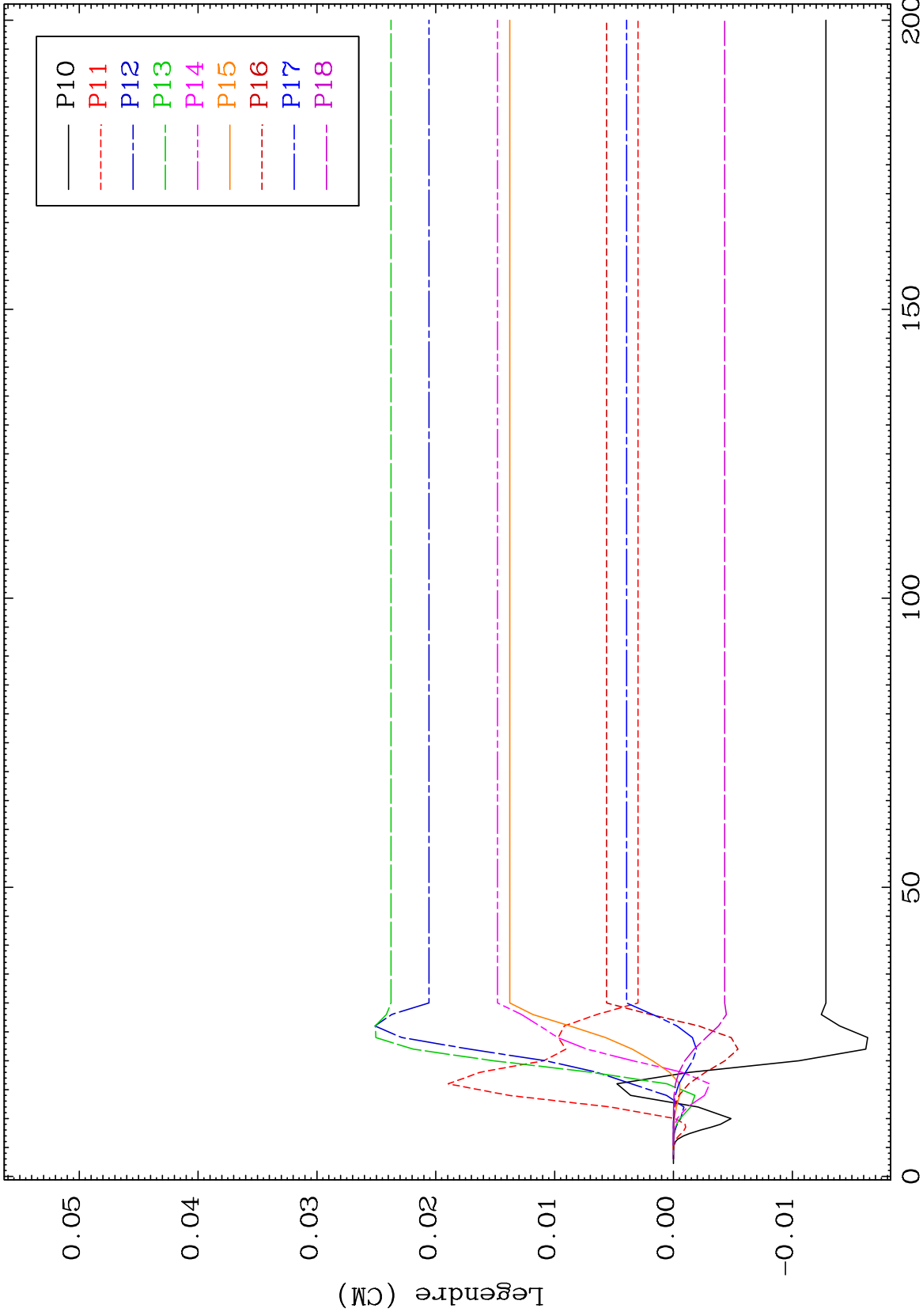
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



56

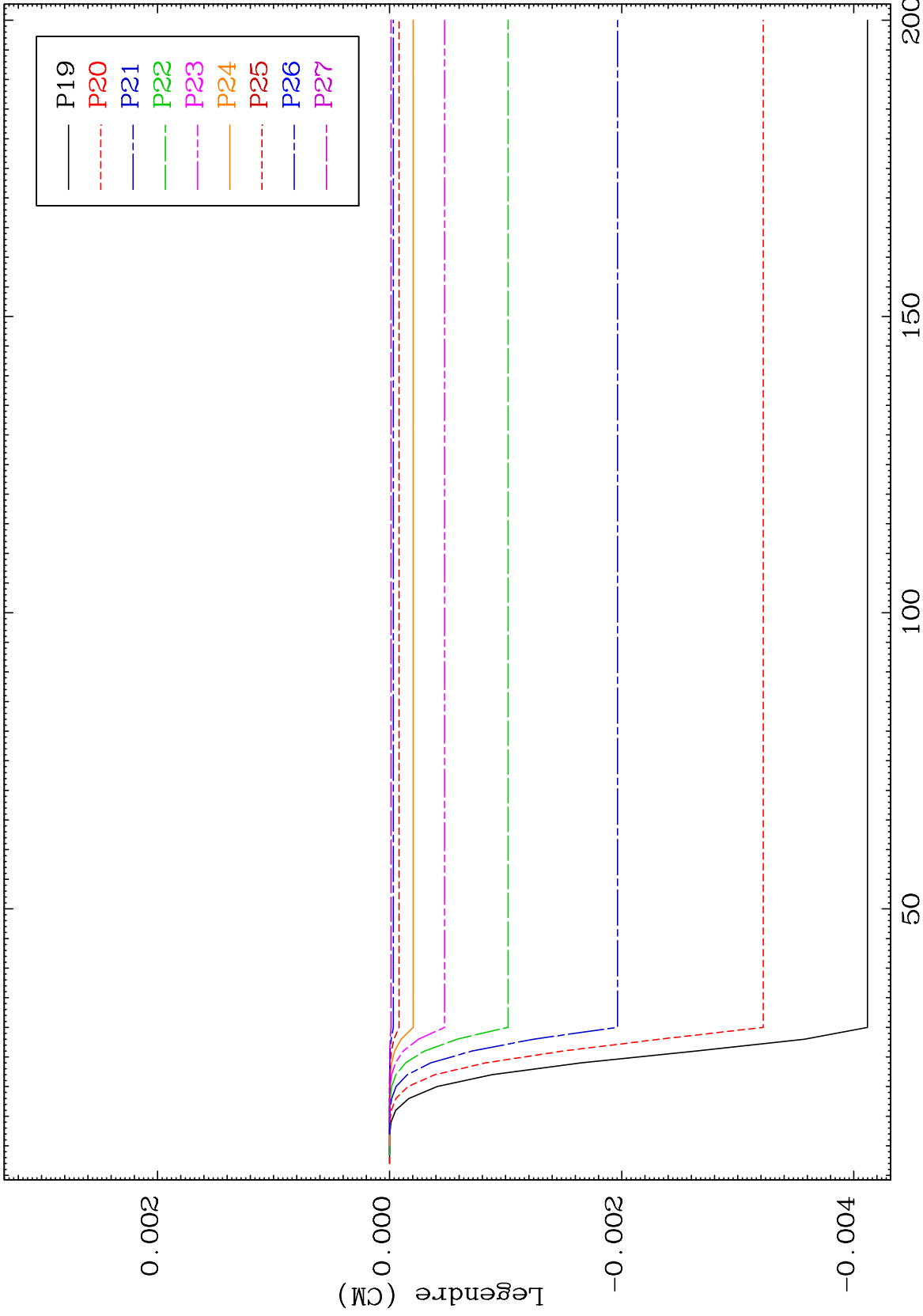
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



57

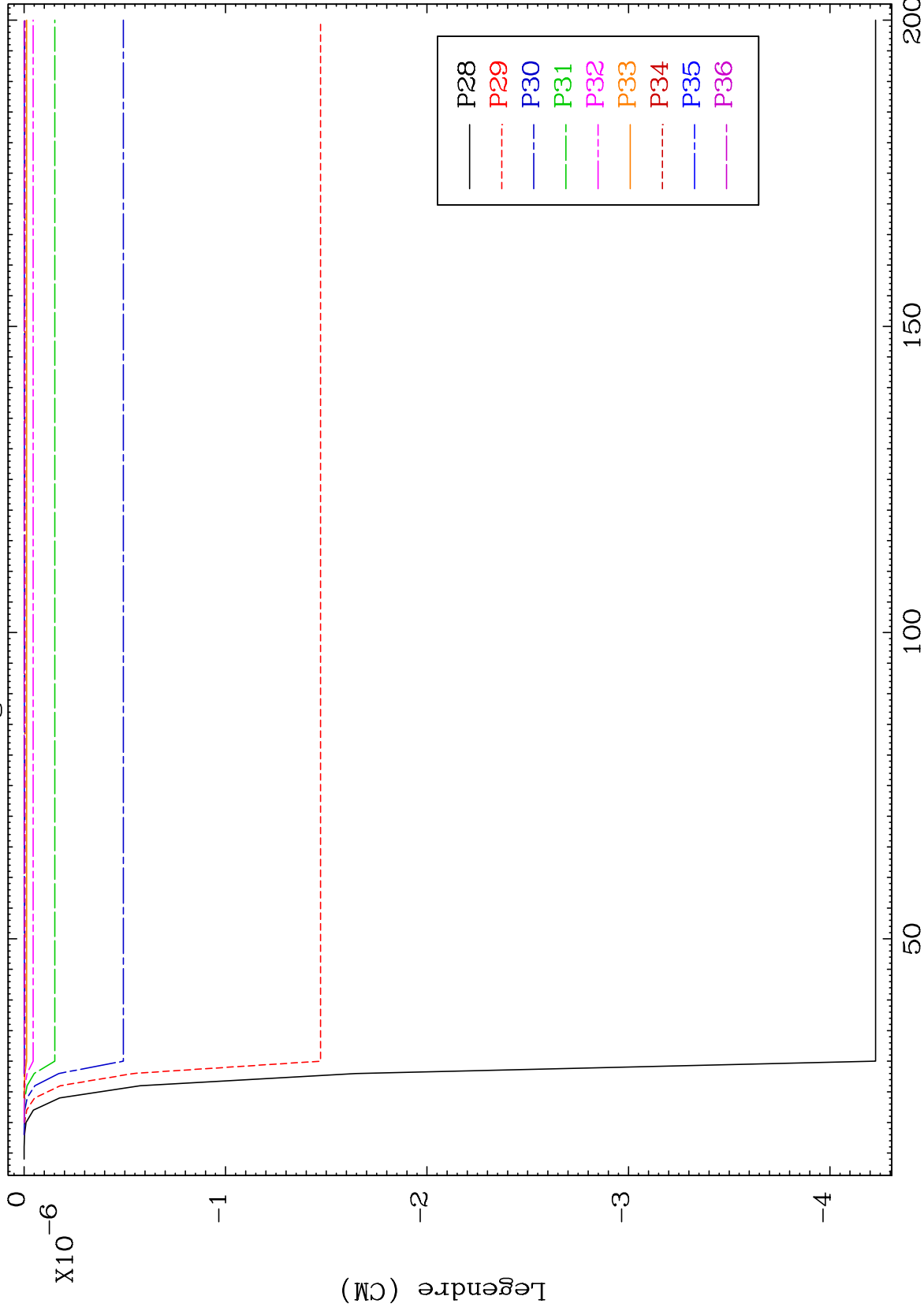
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



58

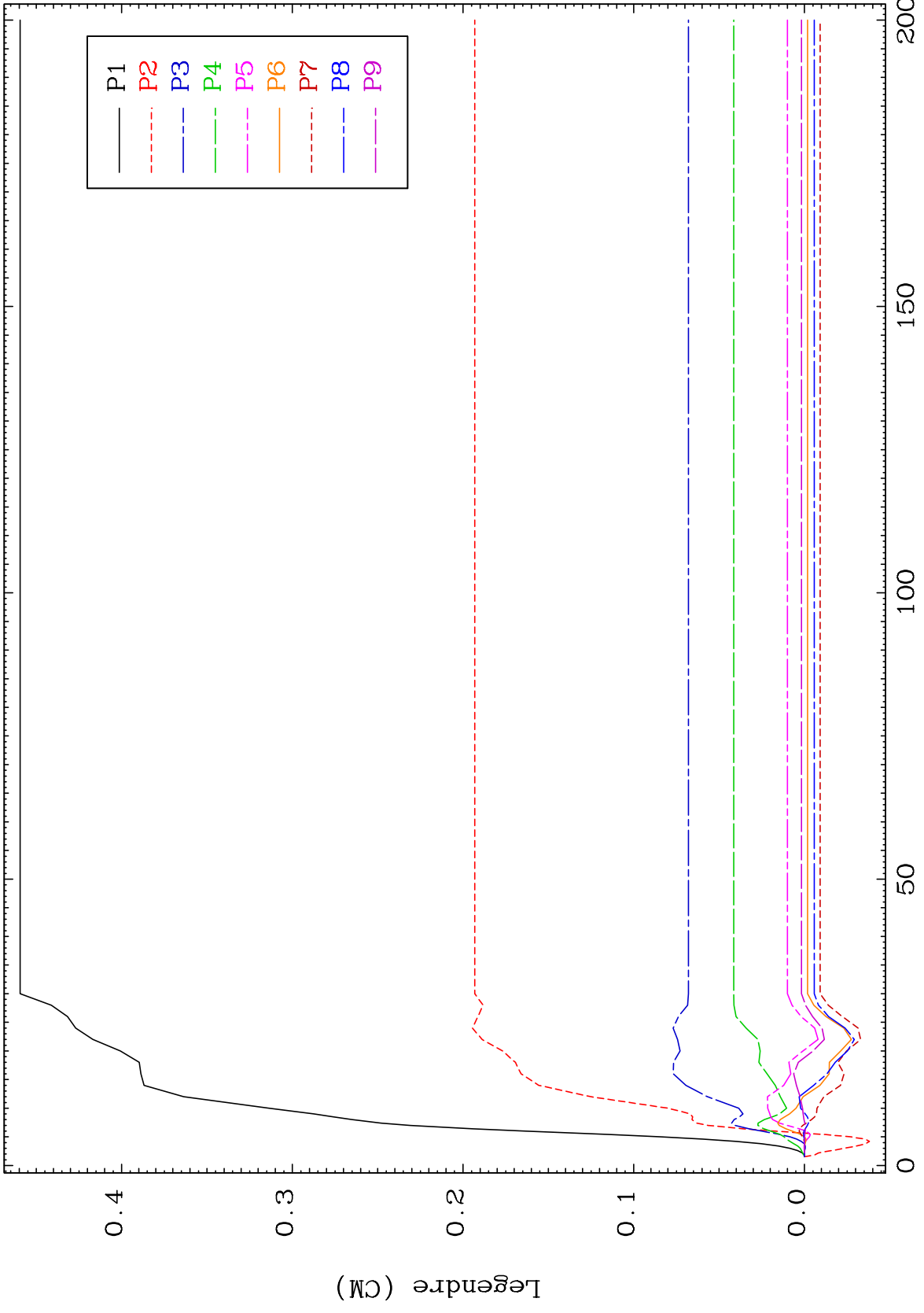
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



59

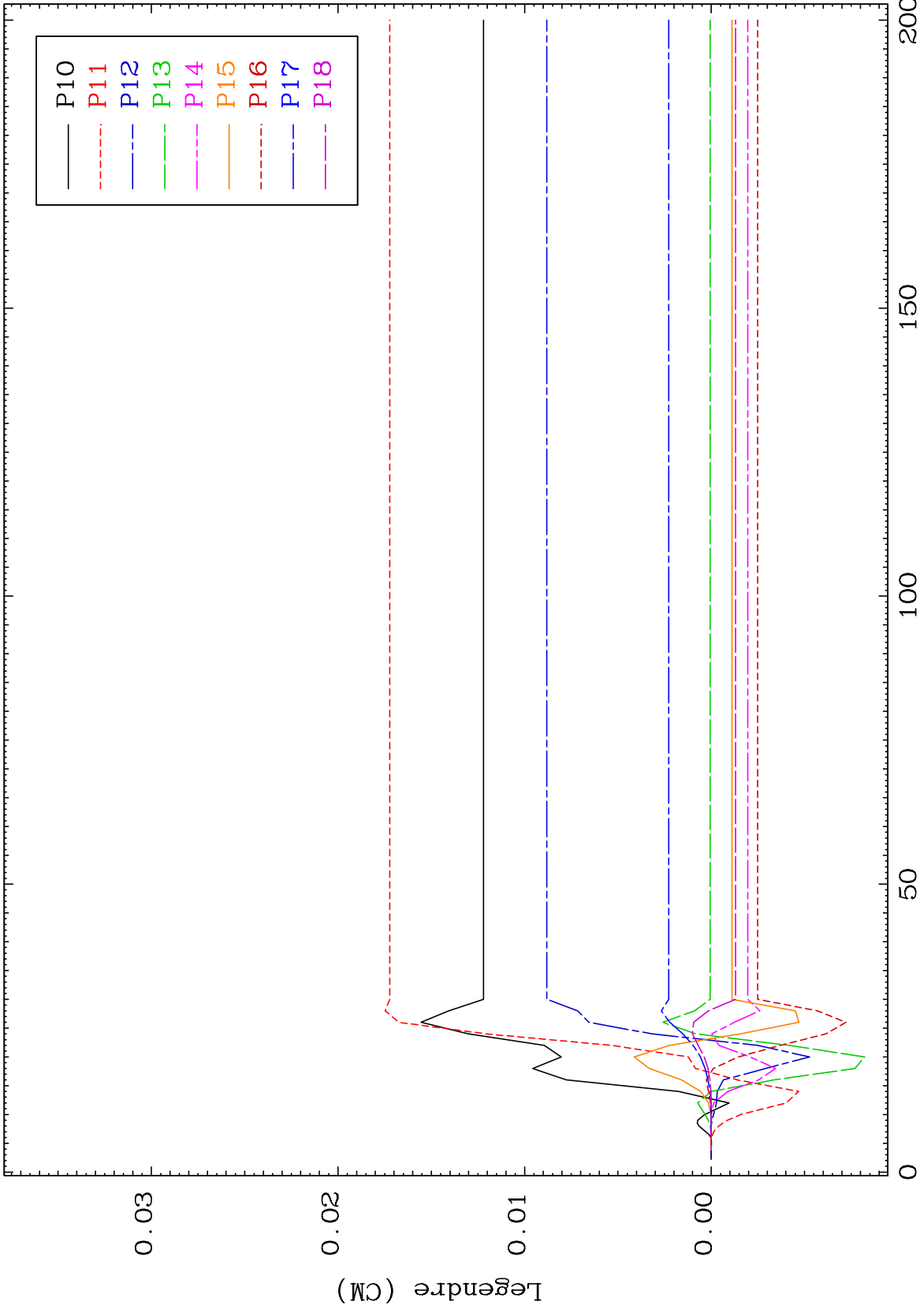
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



60

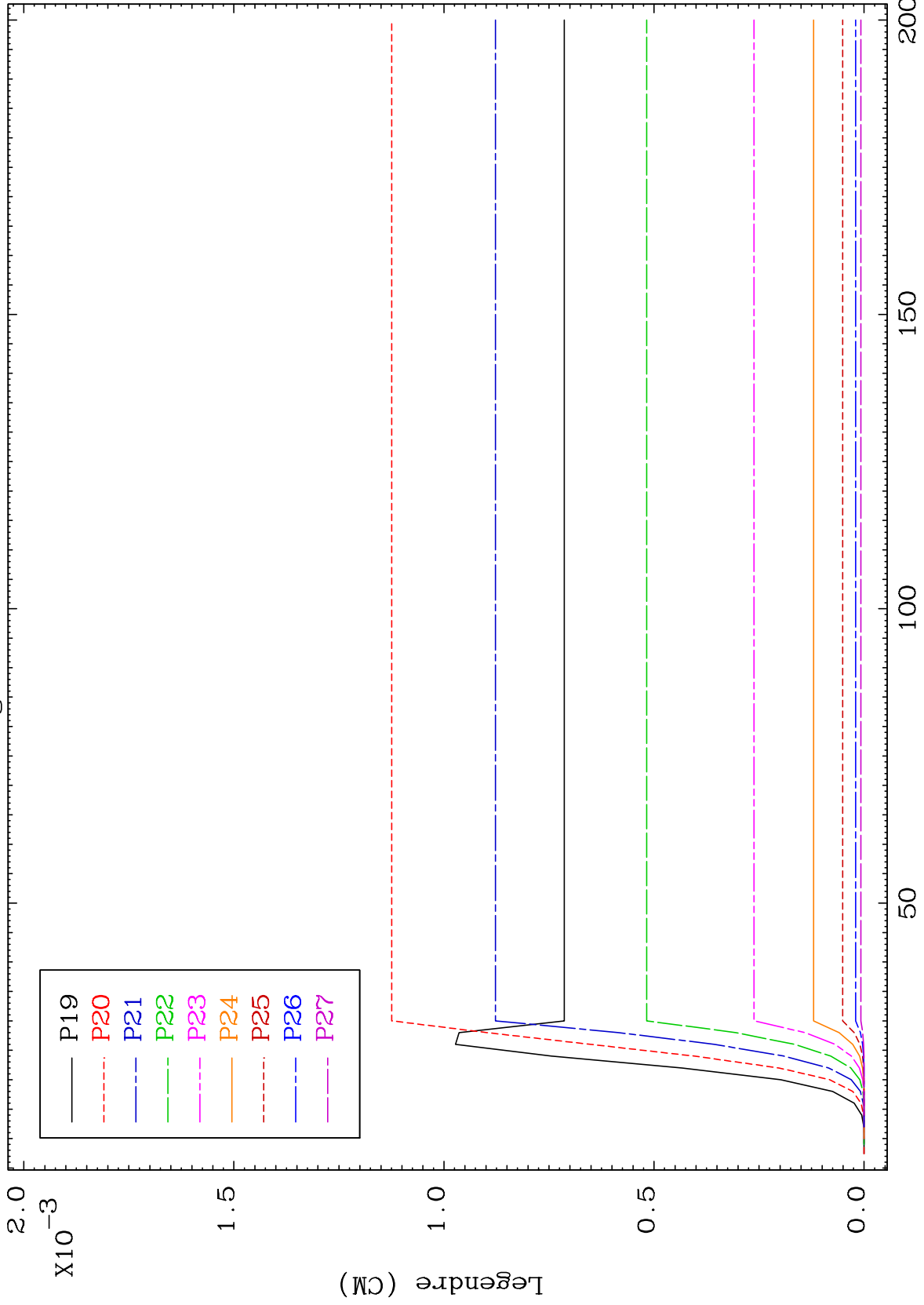
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



61

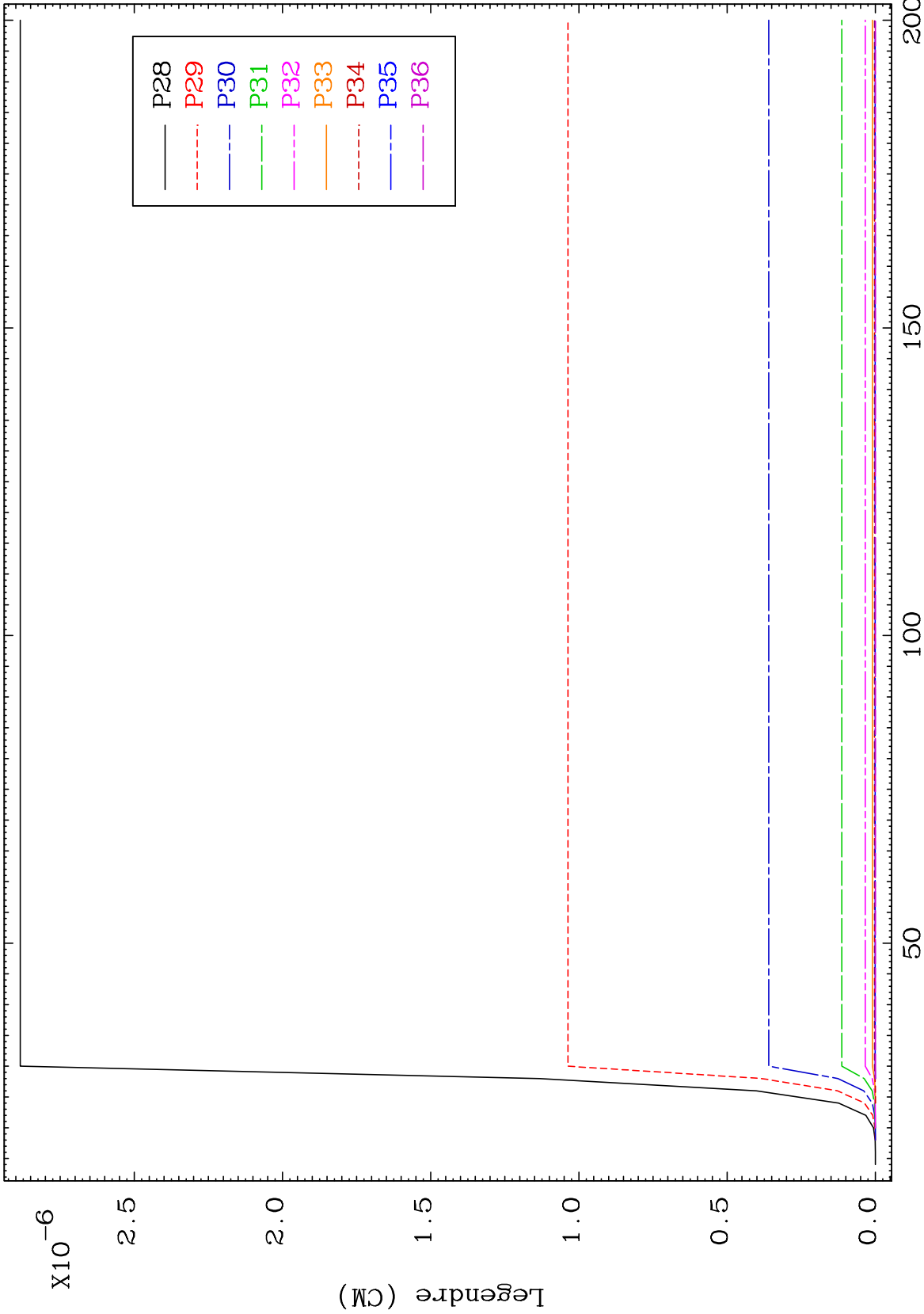
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

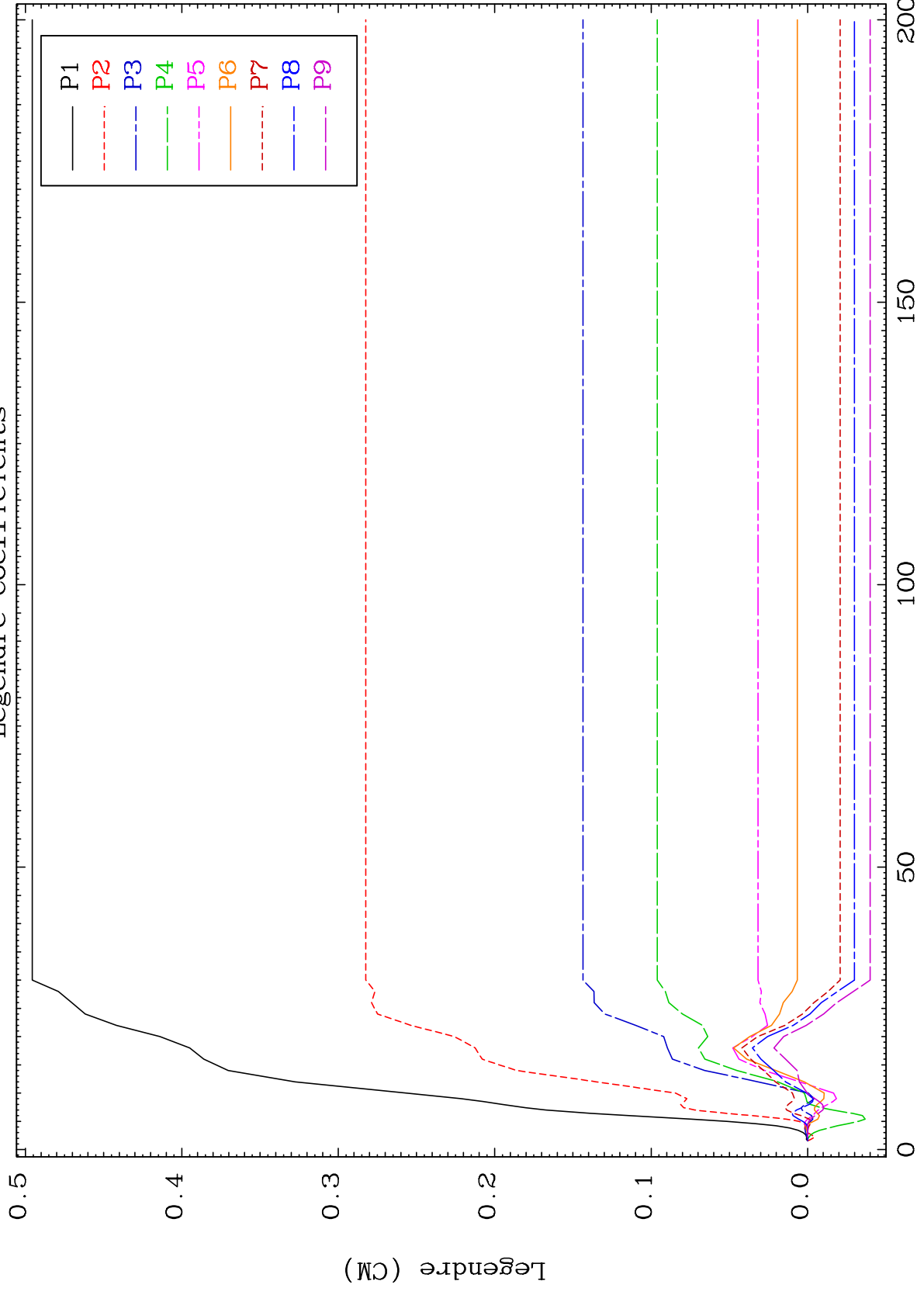
59-Pr-141



62

59-Pr-141

MAT 5925 MT= 62 (n,n') Level Legendre Coefficients 59-Pr-141

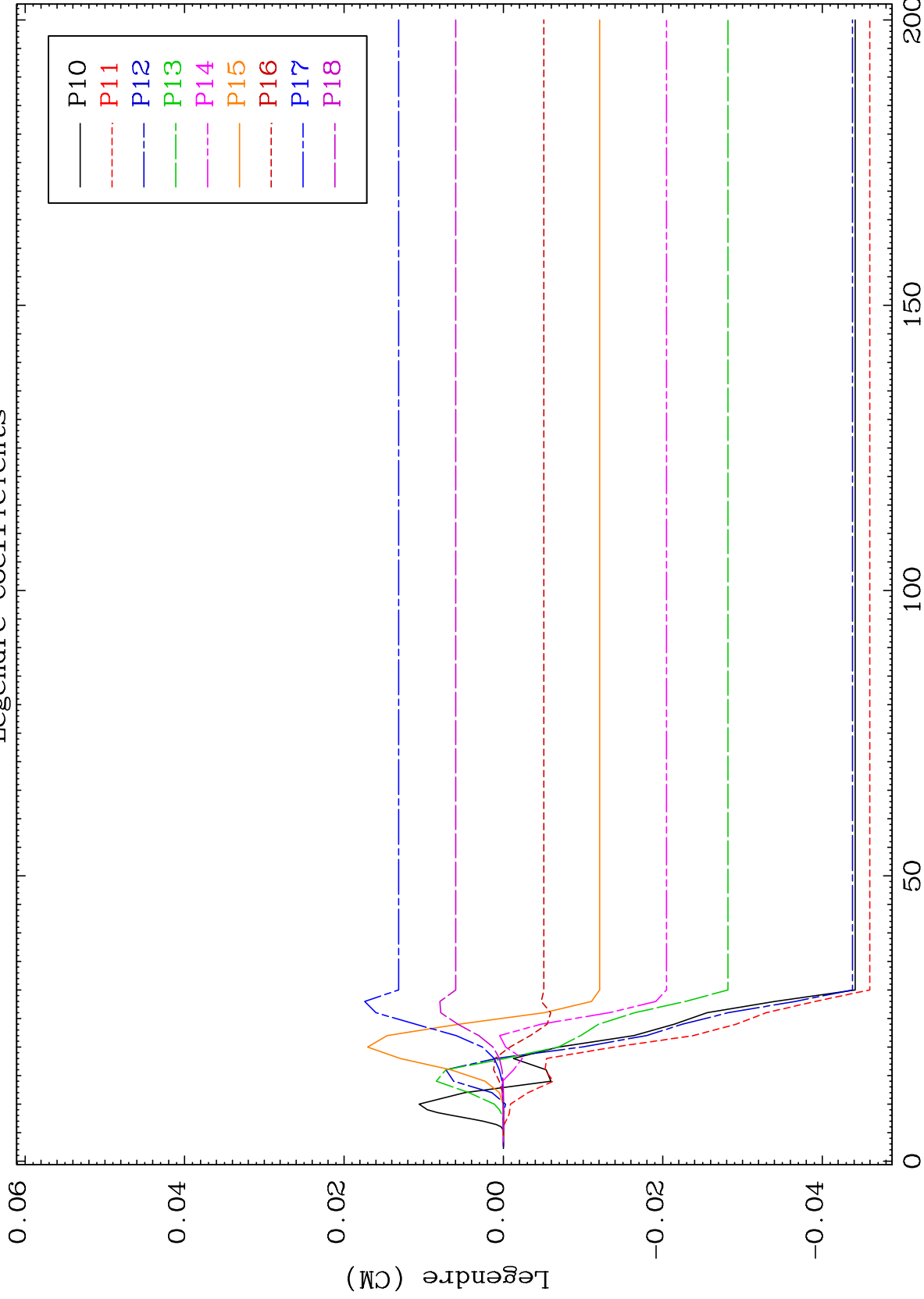


63 59-Pr-141

MAT 5925

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

59-Pr-141



64

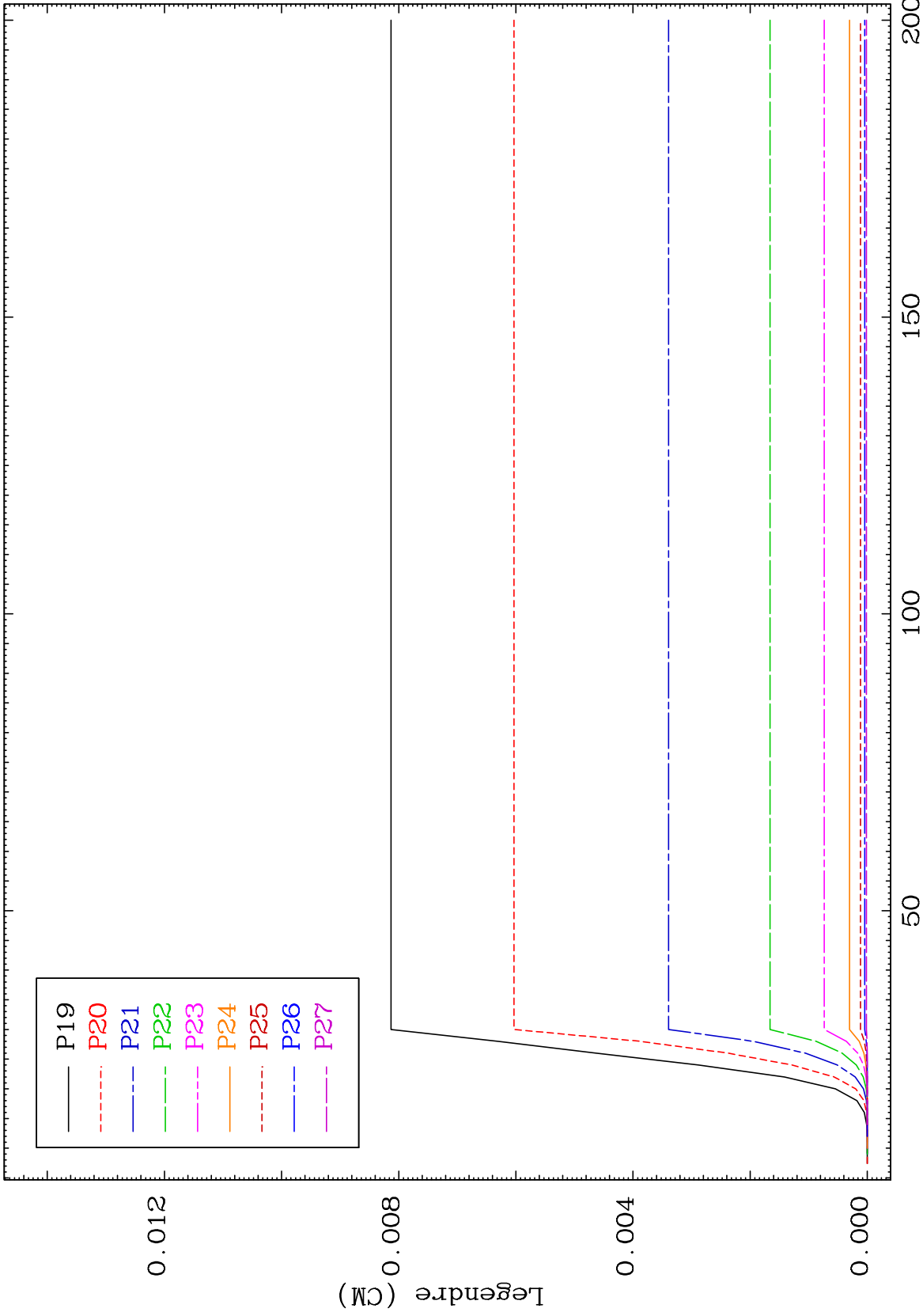
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

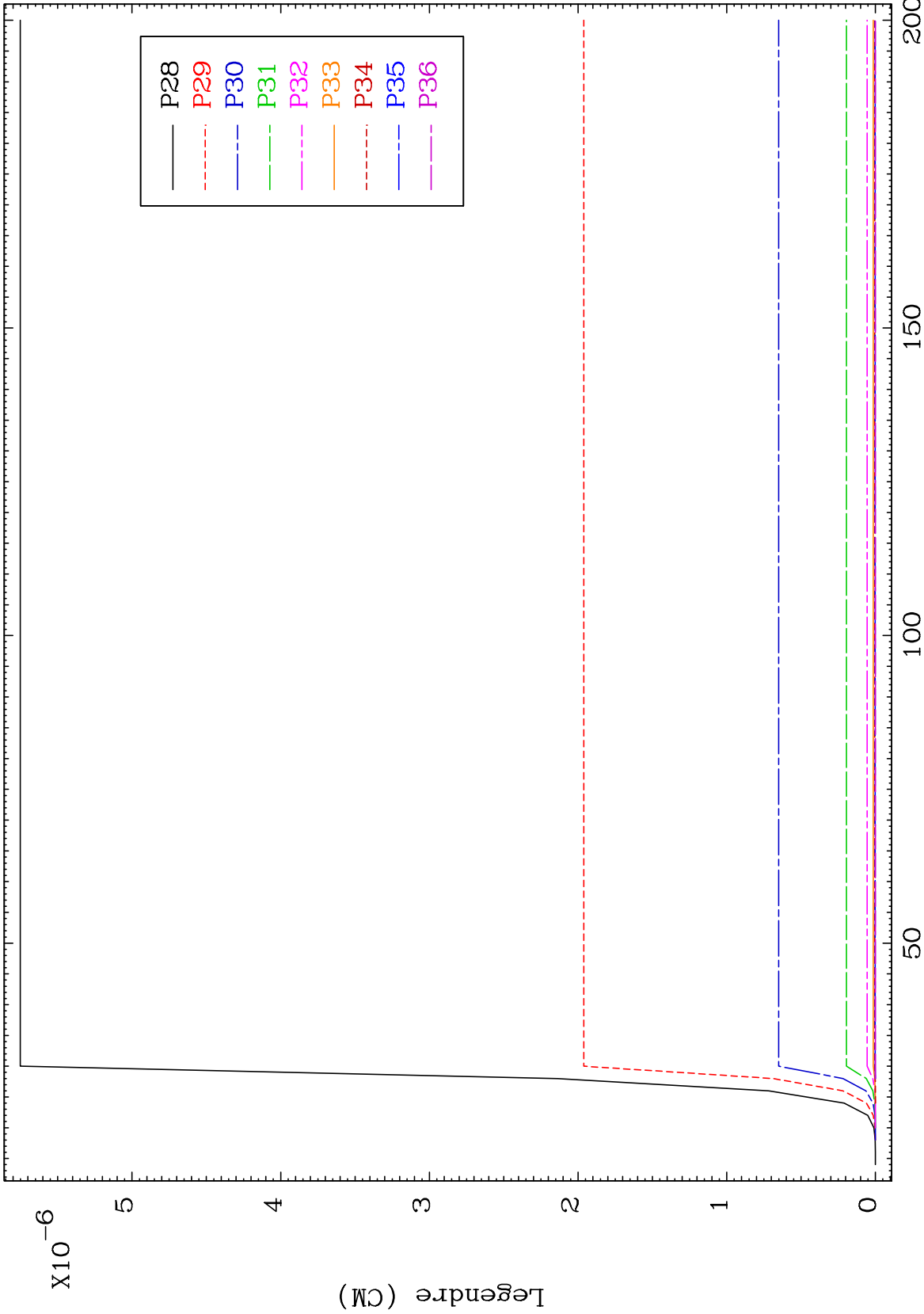
59-Pr-141



65

Incident Energy (MeV)

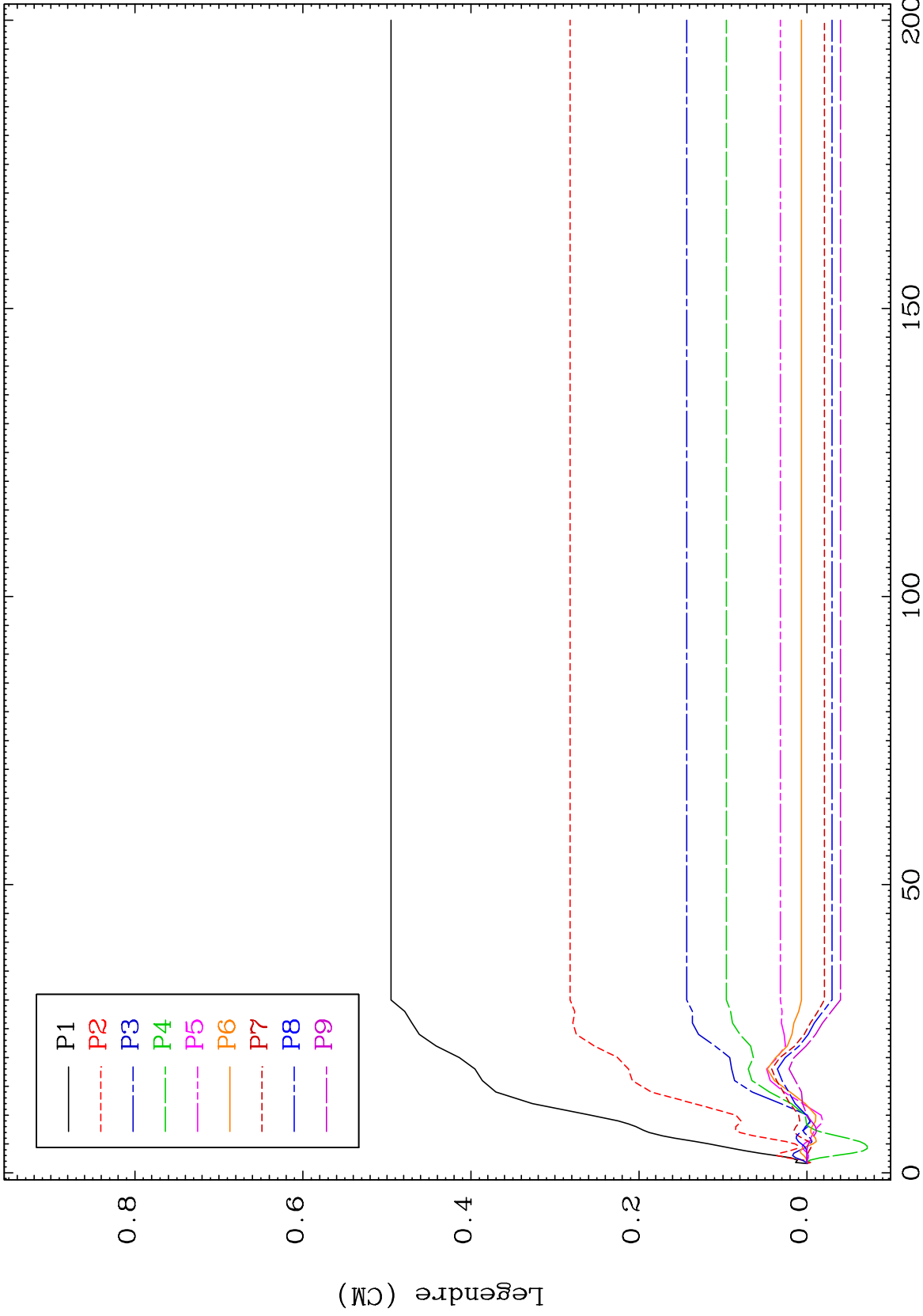
59-Pr-141



MAT 5925

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

59-Pr-141



67

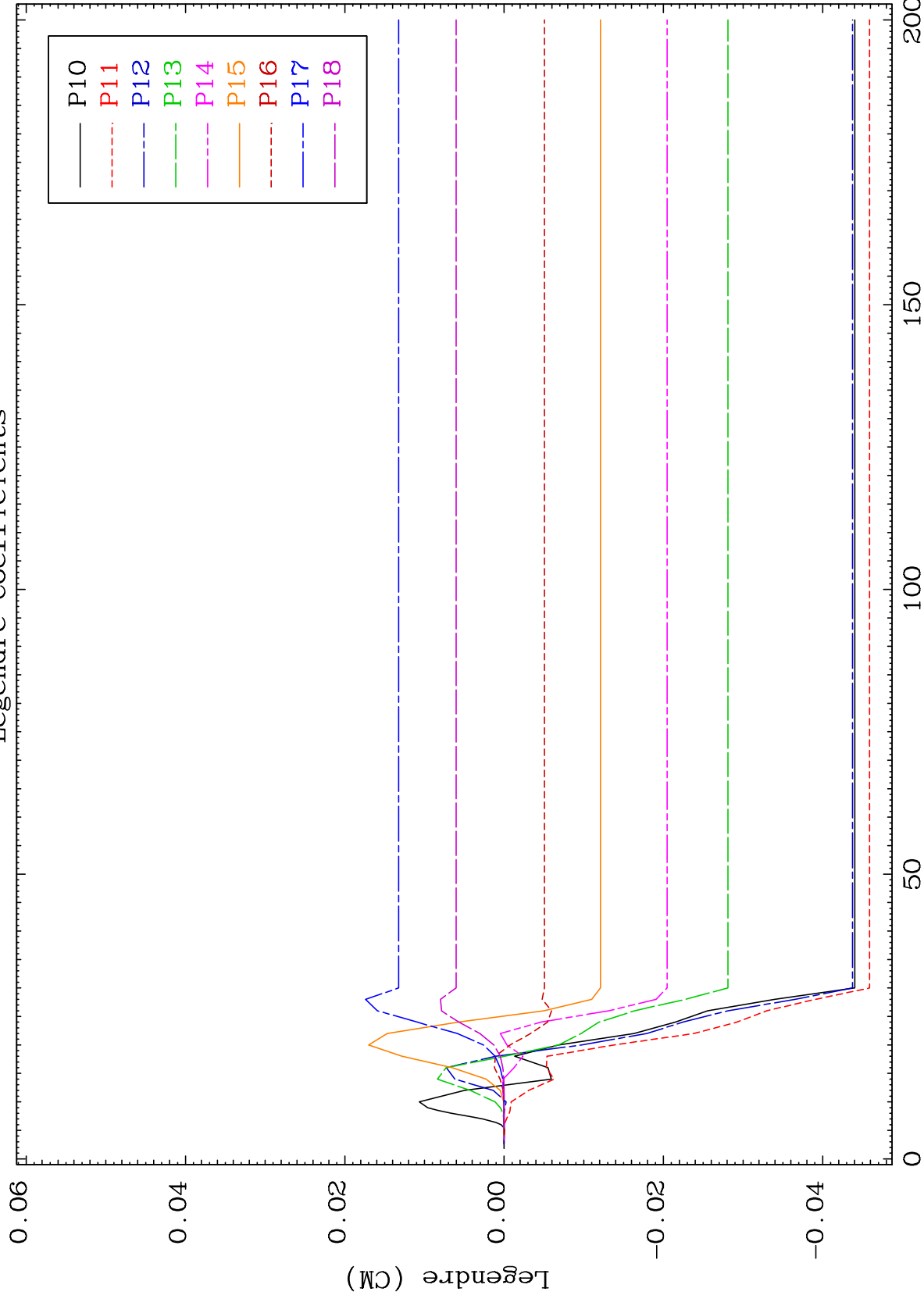
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

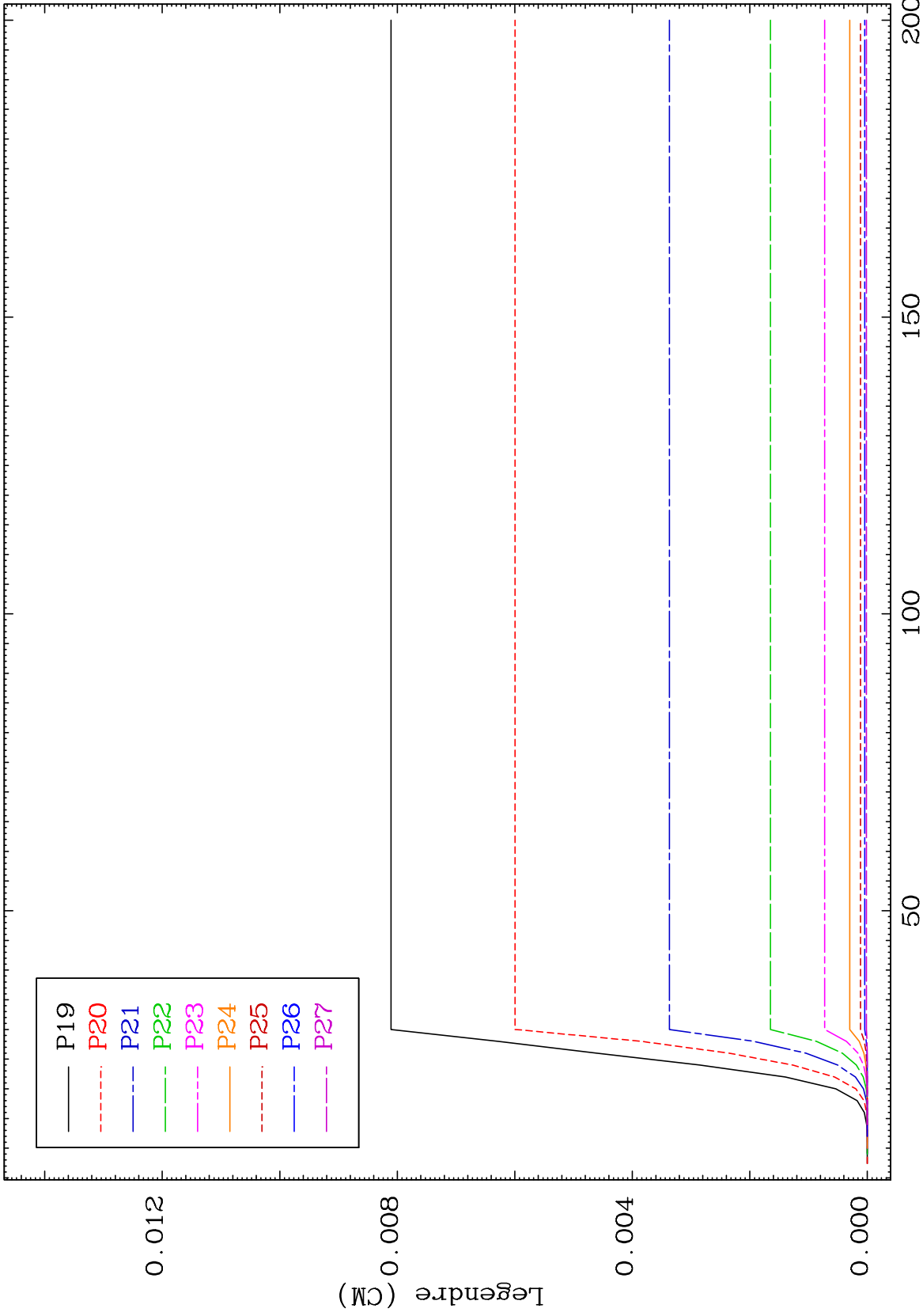
59-Pr-141



68

Incident Energy (MeV)

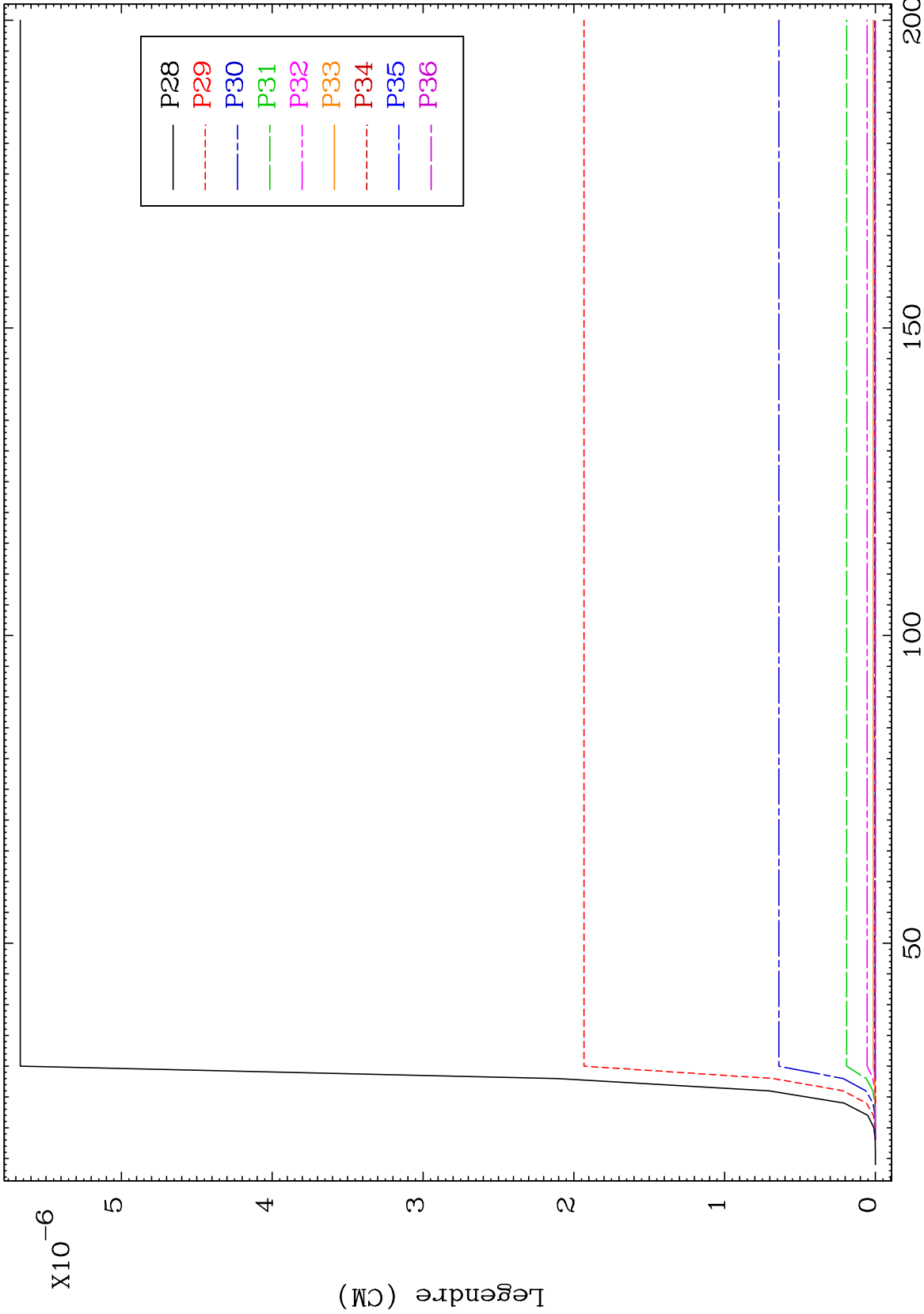
59-Pr-141



MAT 5925

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

59-Pr-141

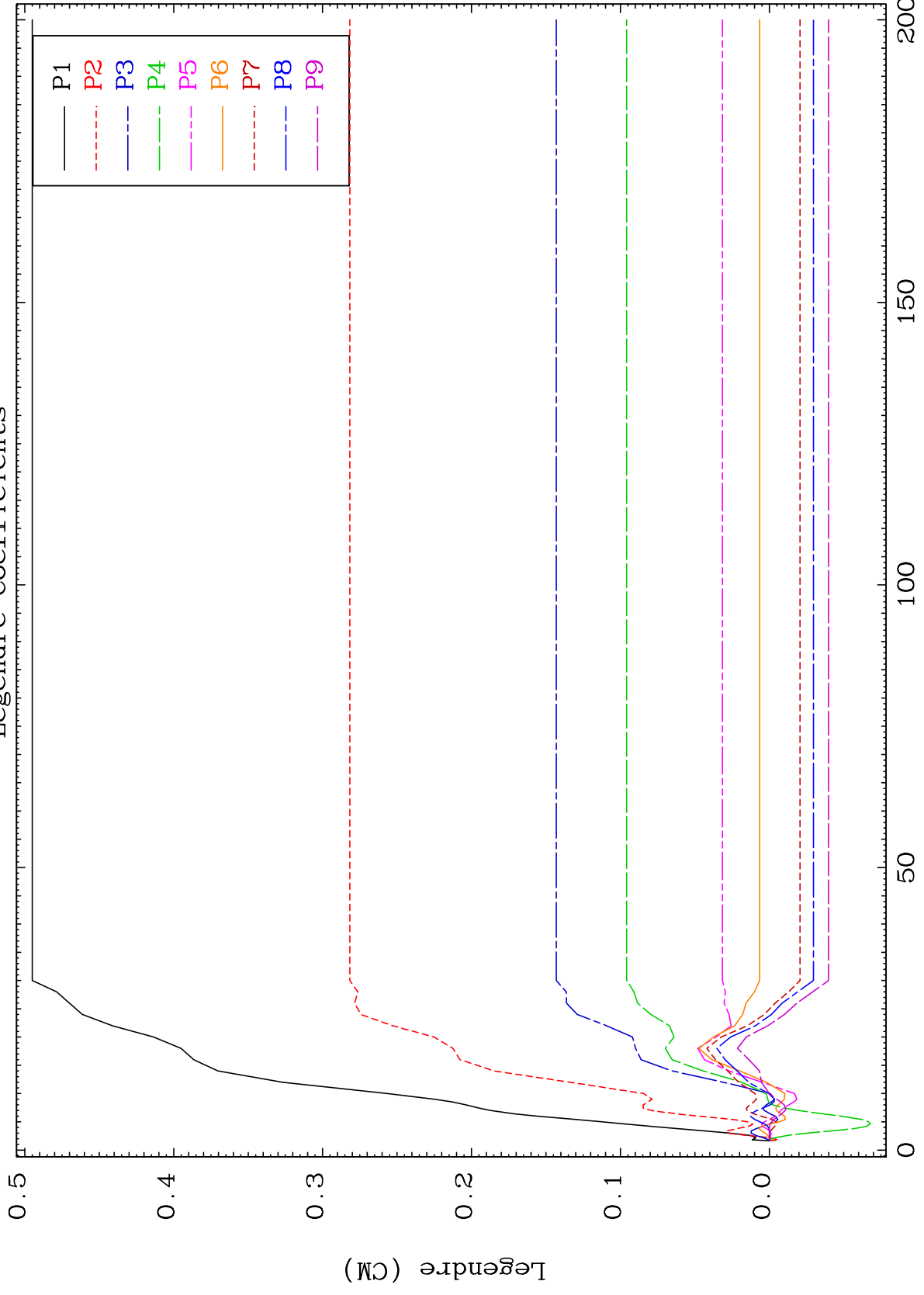


70

Incident Energy (MeV)

59-Pr-141

MAT 5925 MT= 64 (n,n') Level Legendre Coefficients 59-Pr-141

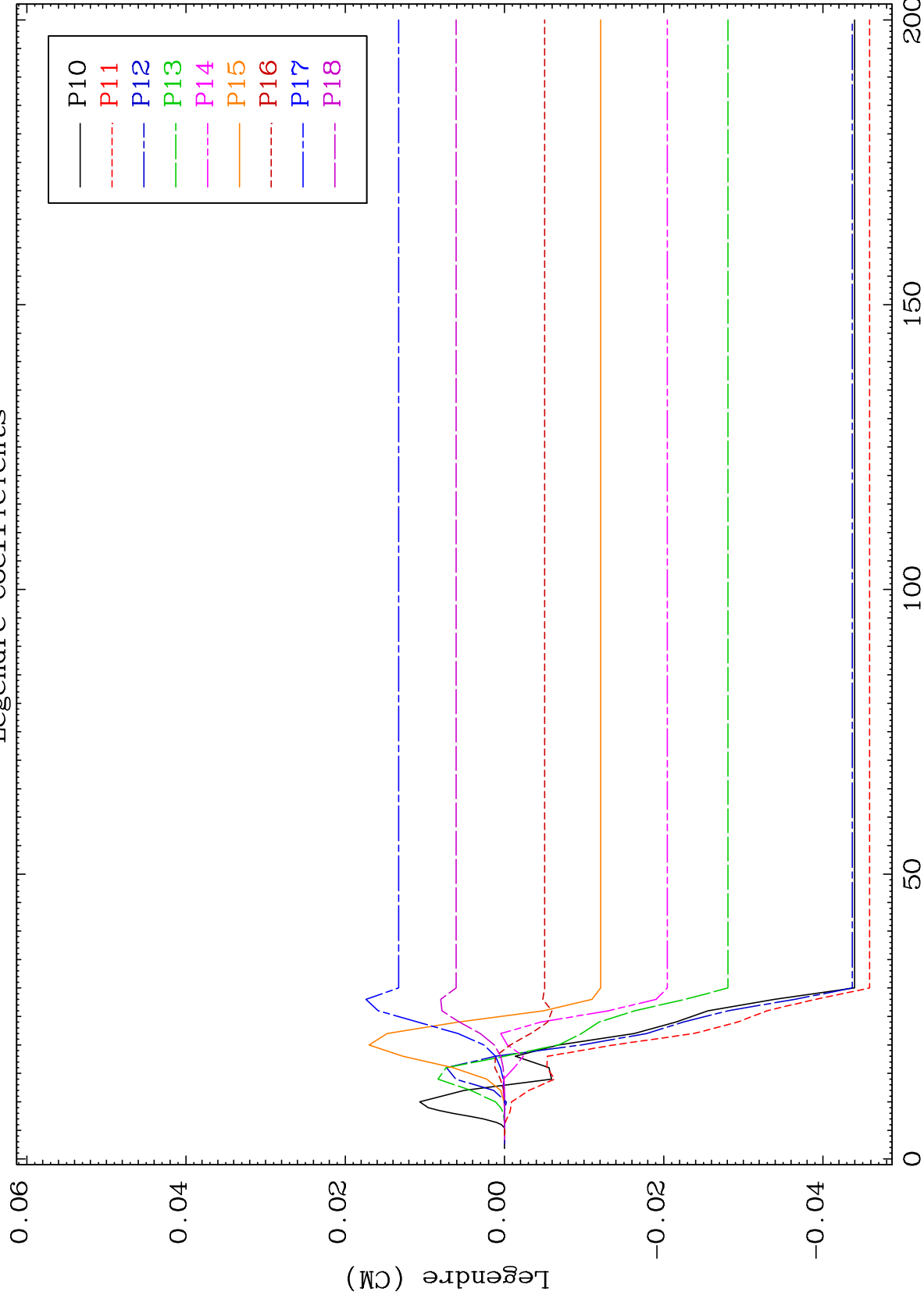


71 59-Pr-141

MAT 5925

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

59-Pr-141



72

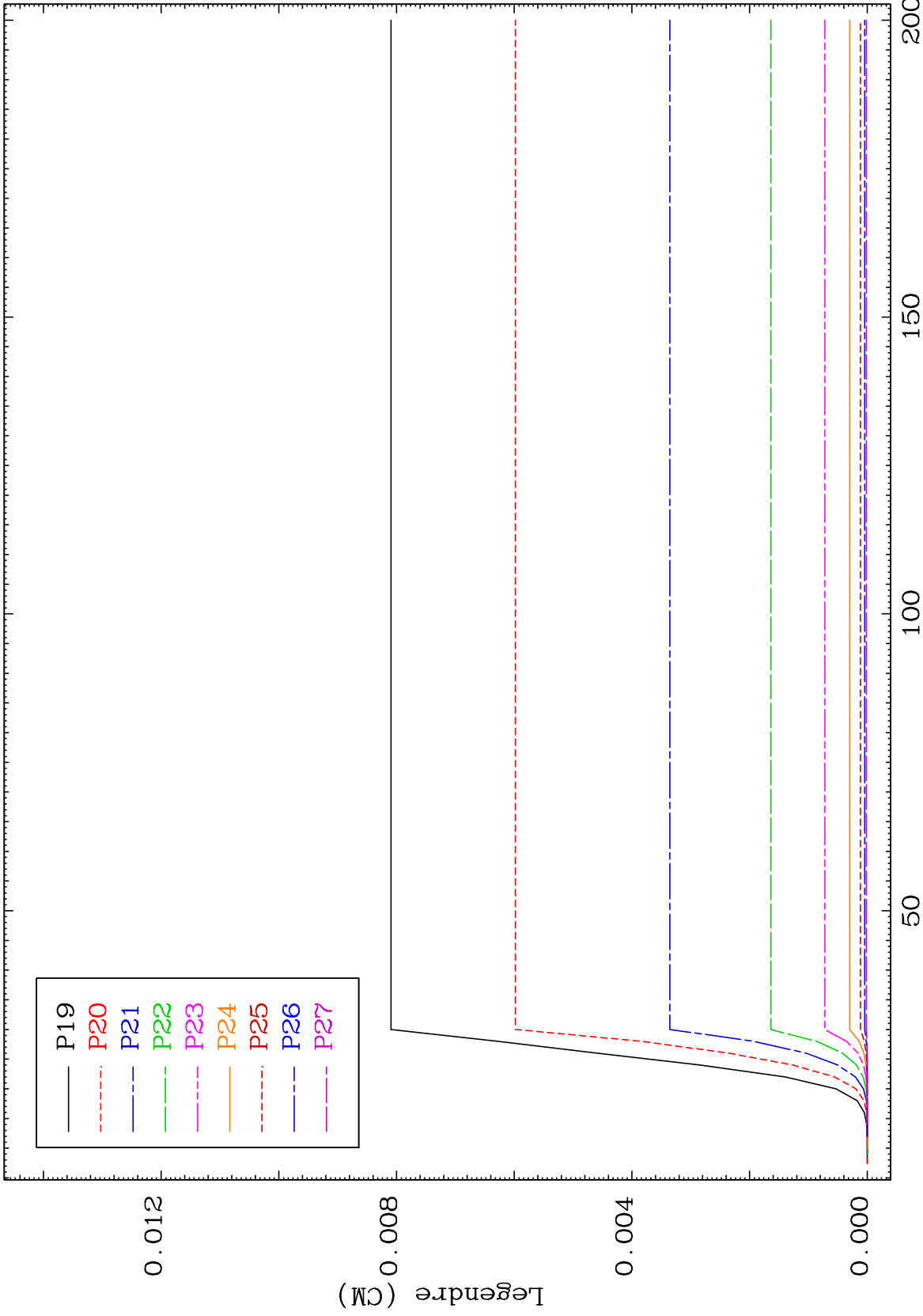
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

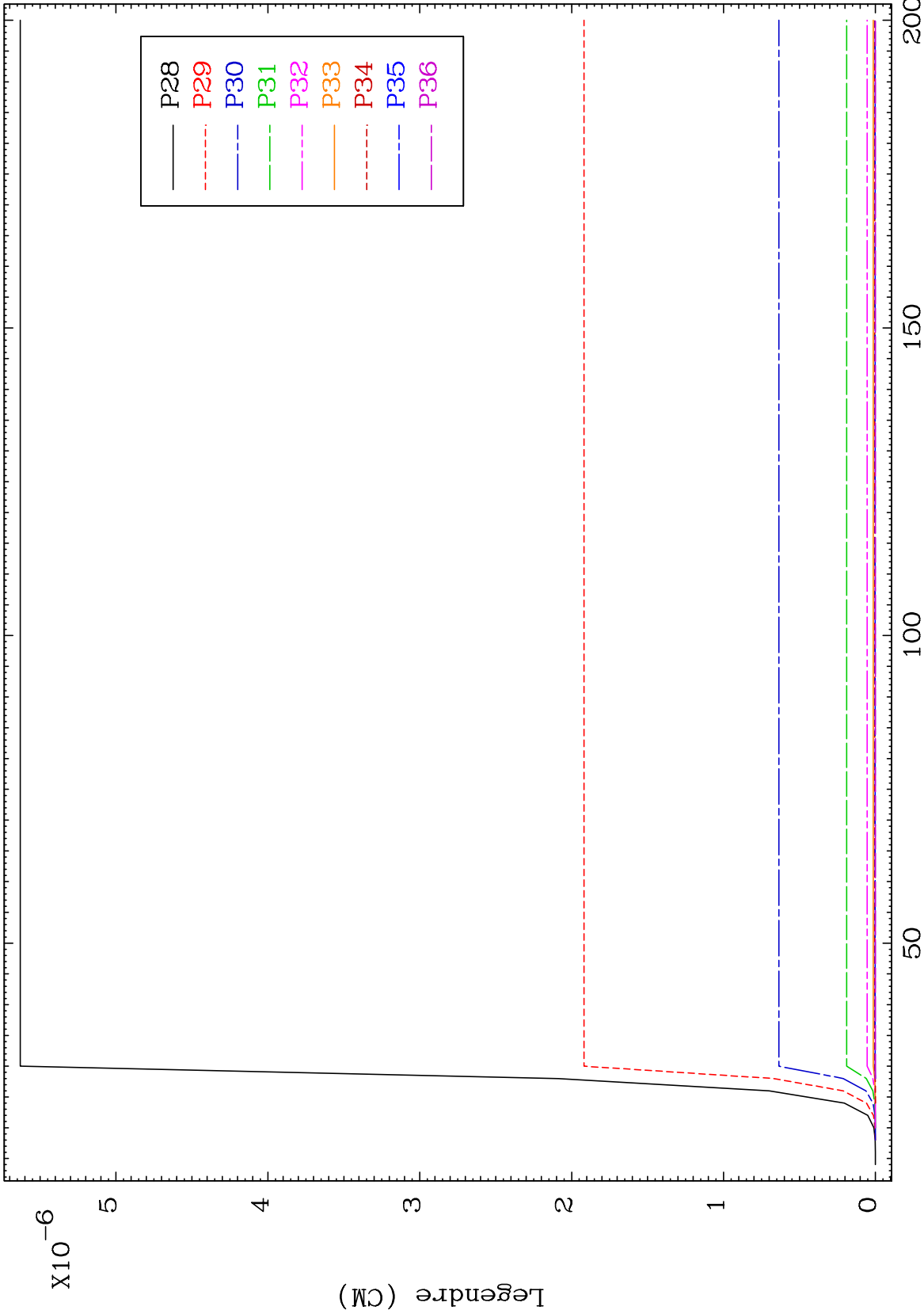
59-Pr-141



73

Incident Energy (MeV)

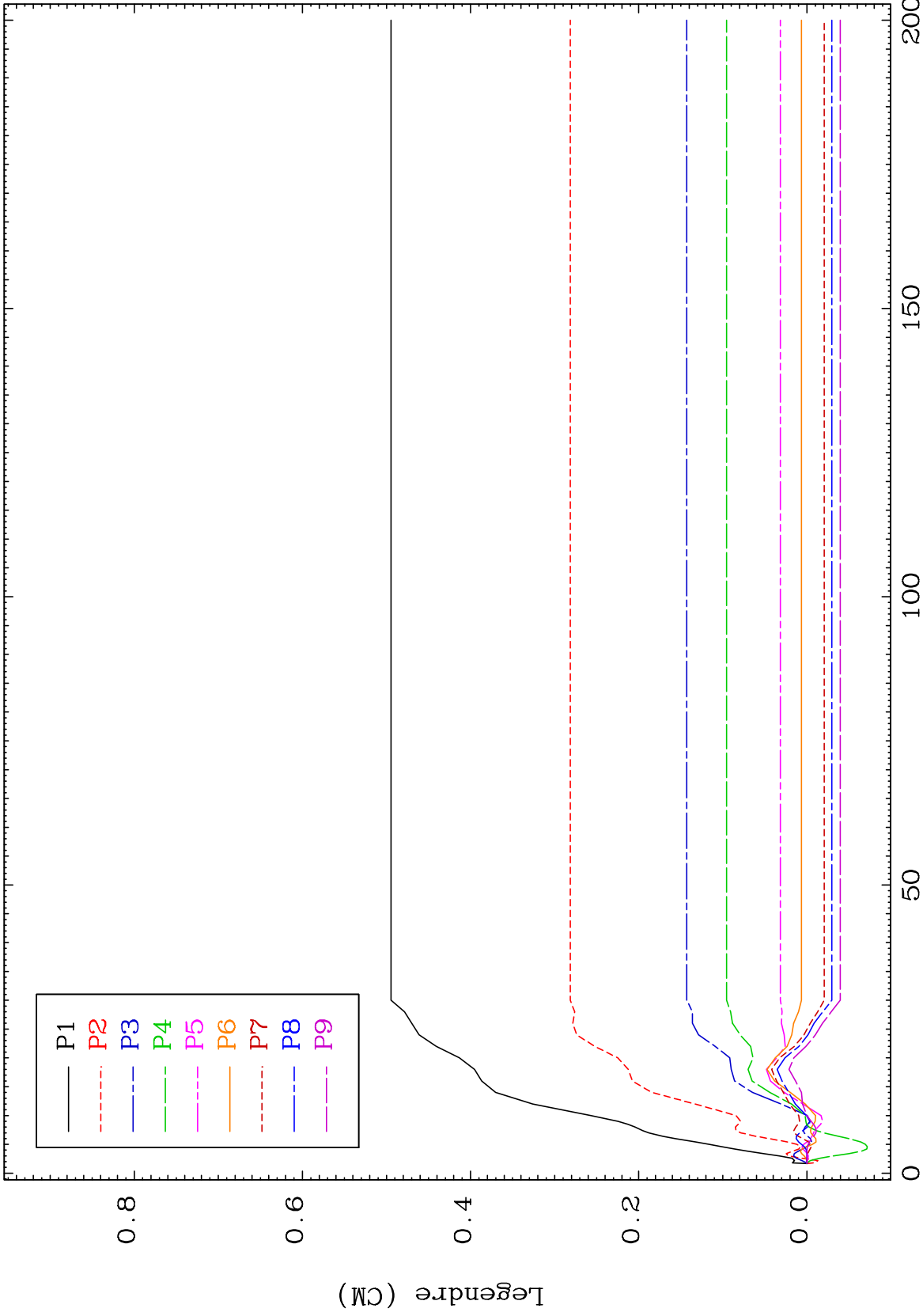
59-Pr-141



MAT 5925

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

59-Pr-141



75

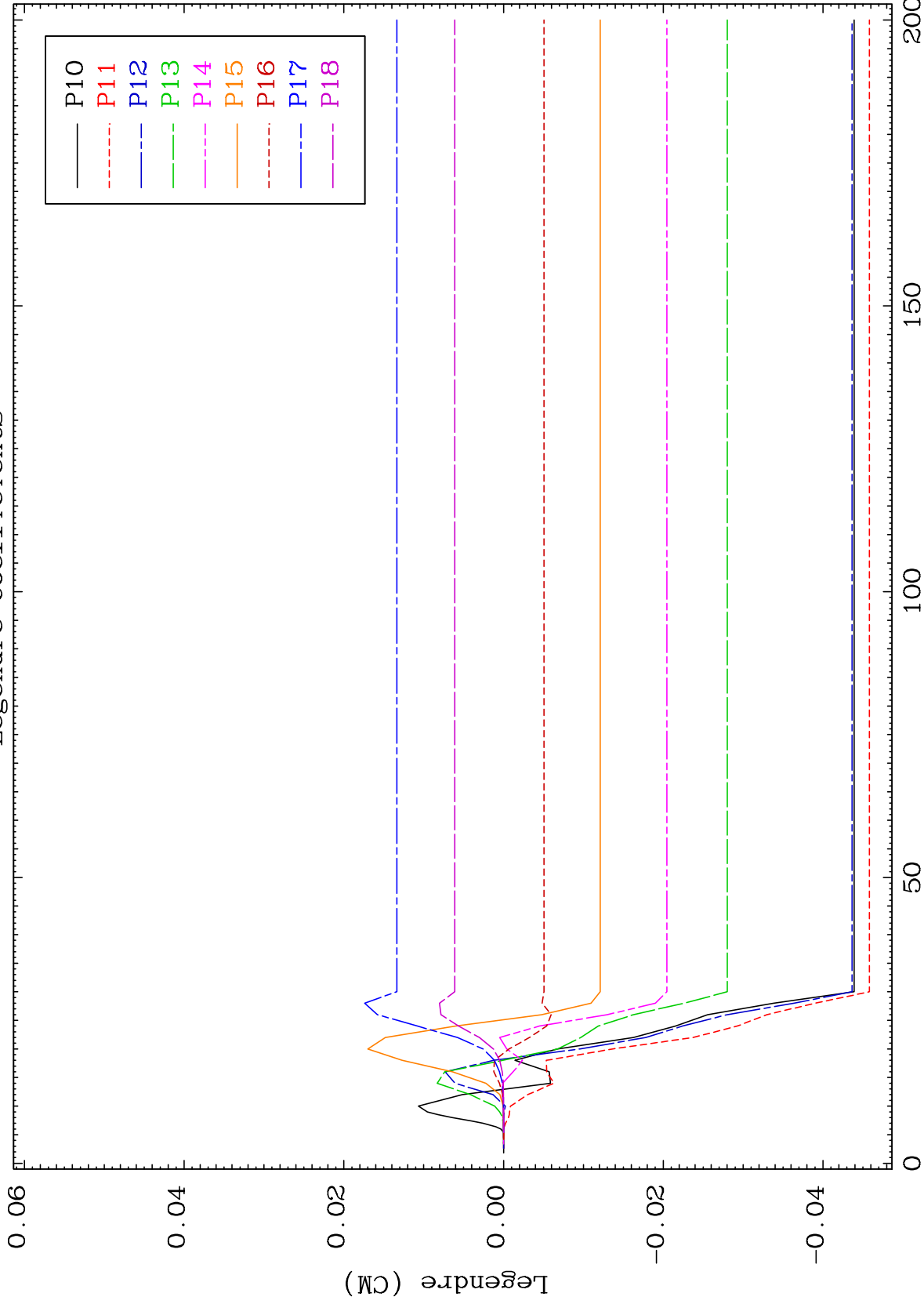
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



76

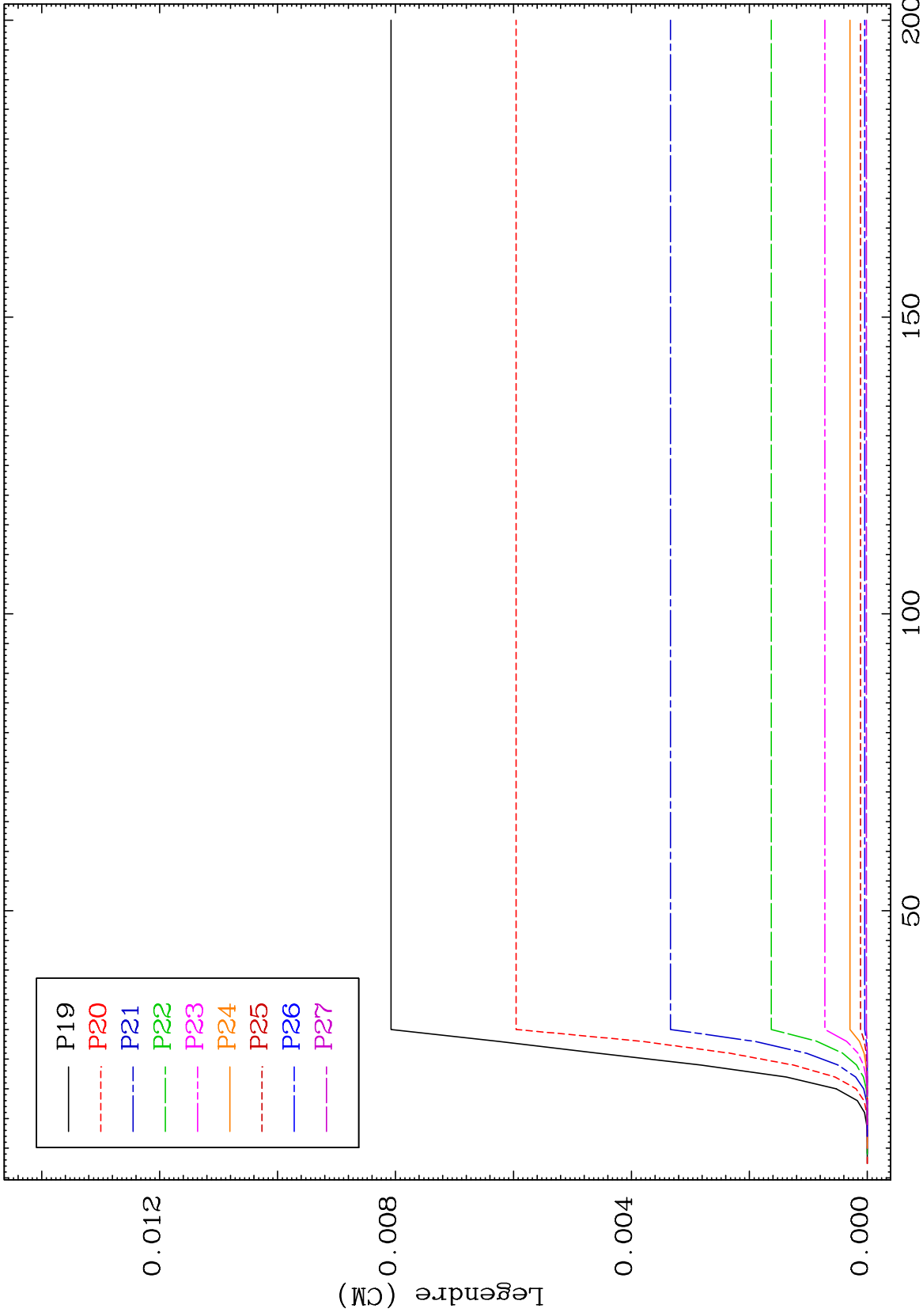
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



77

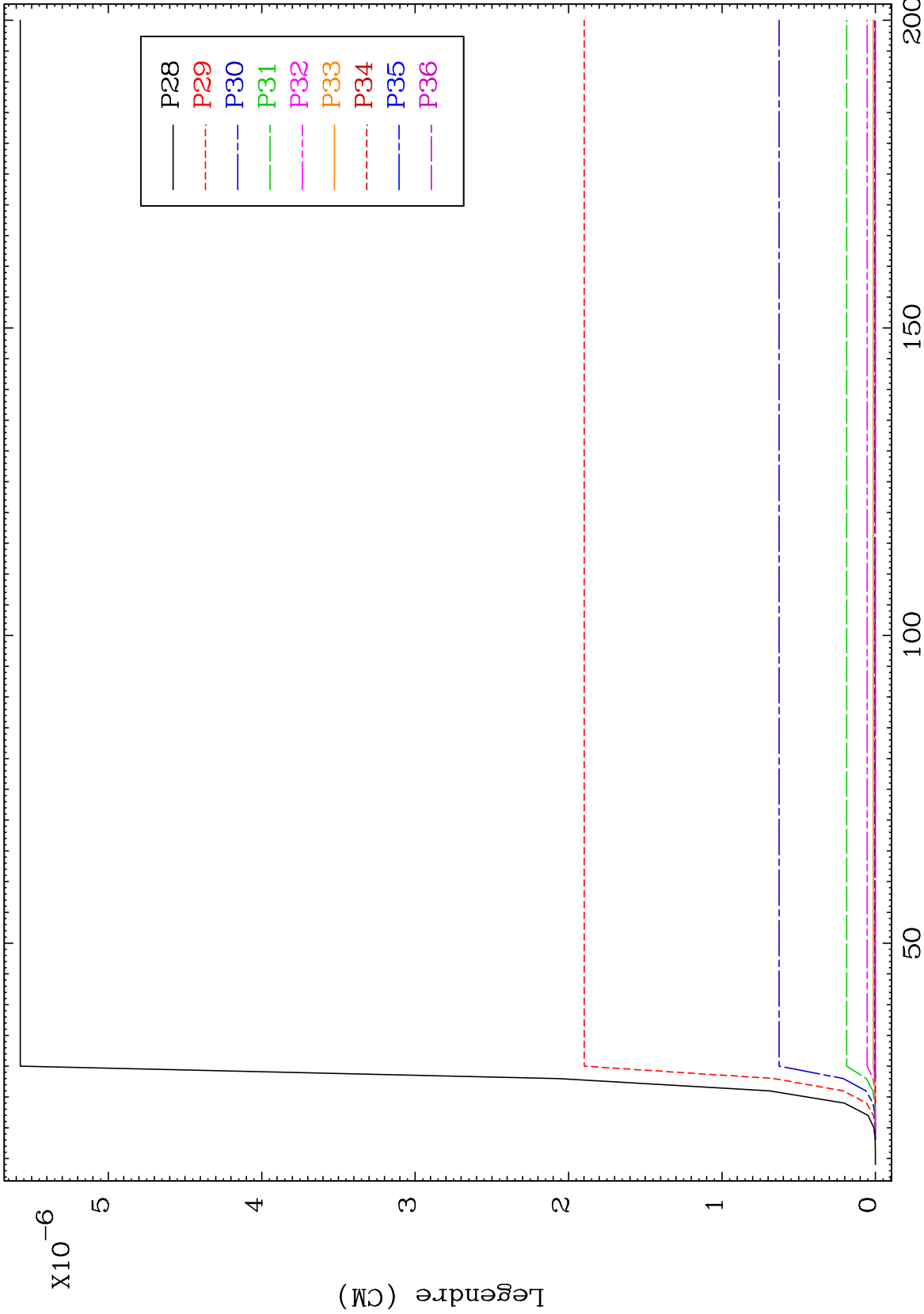
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

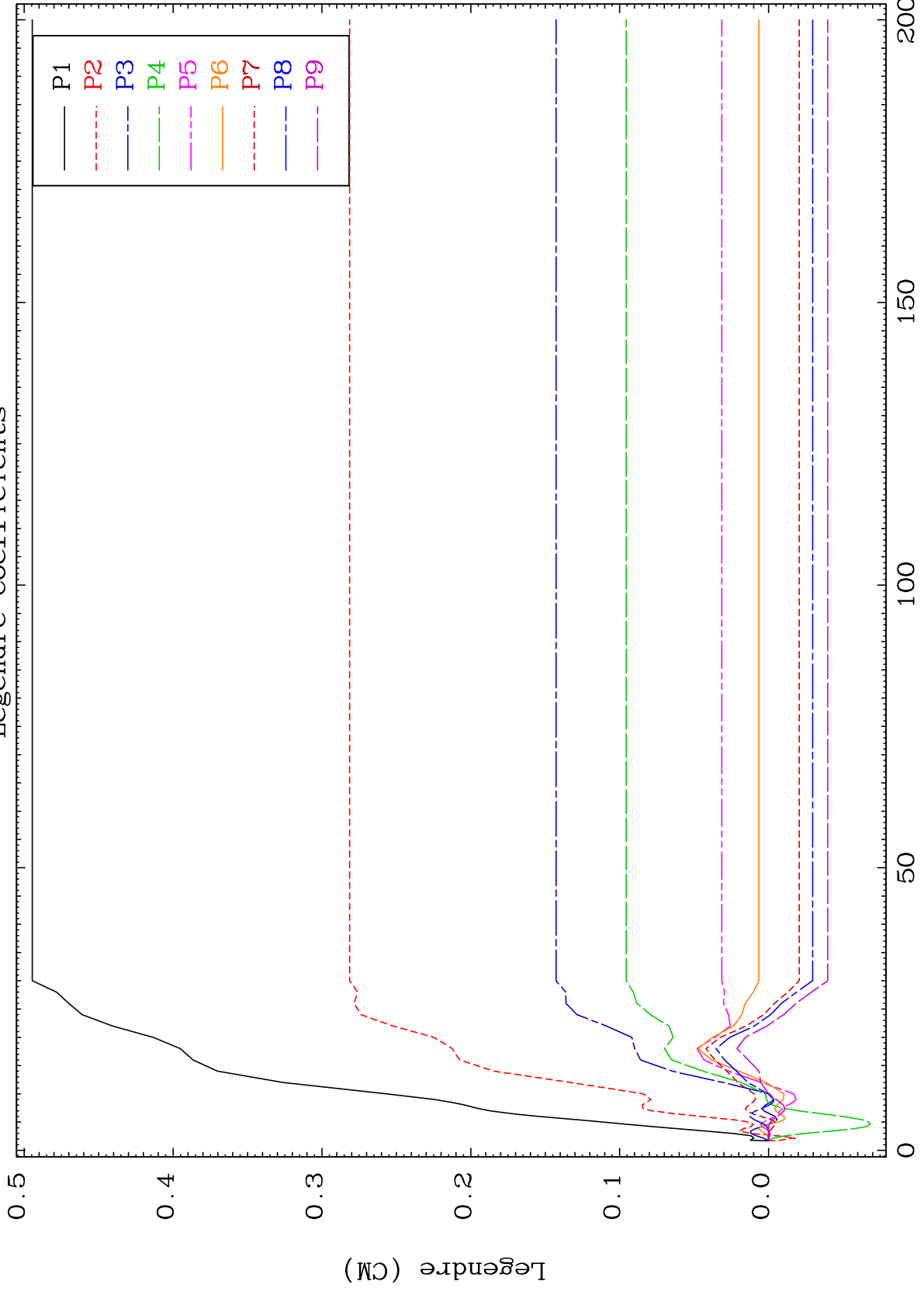
59-Pr-141



78

59-Pr-141

MAT 5925 MT= 66 (n,n') Level Legendre Coefficients 59-Pr-141

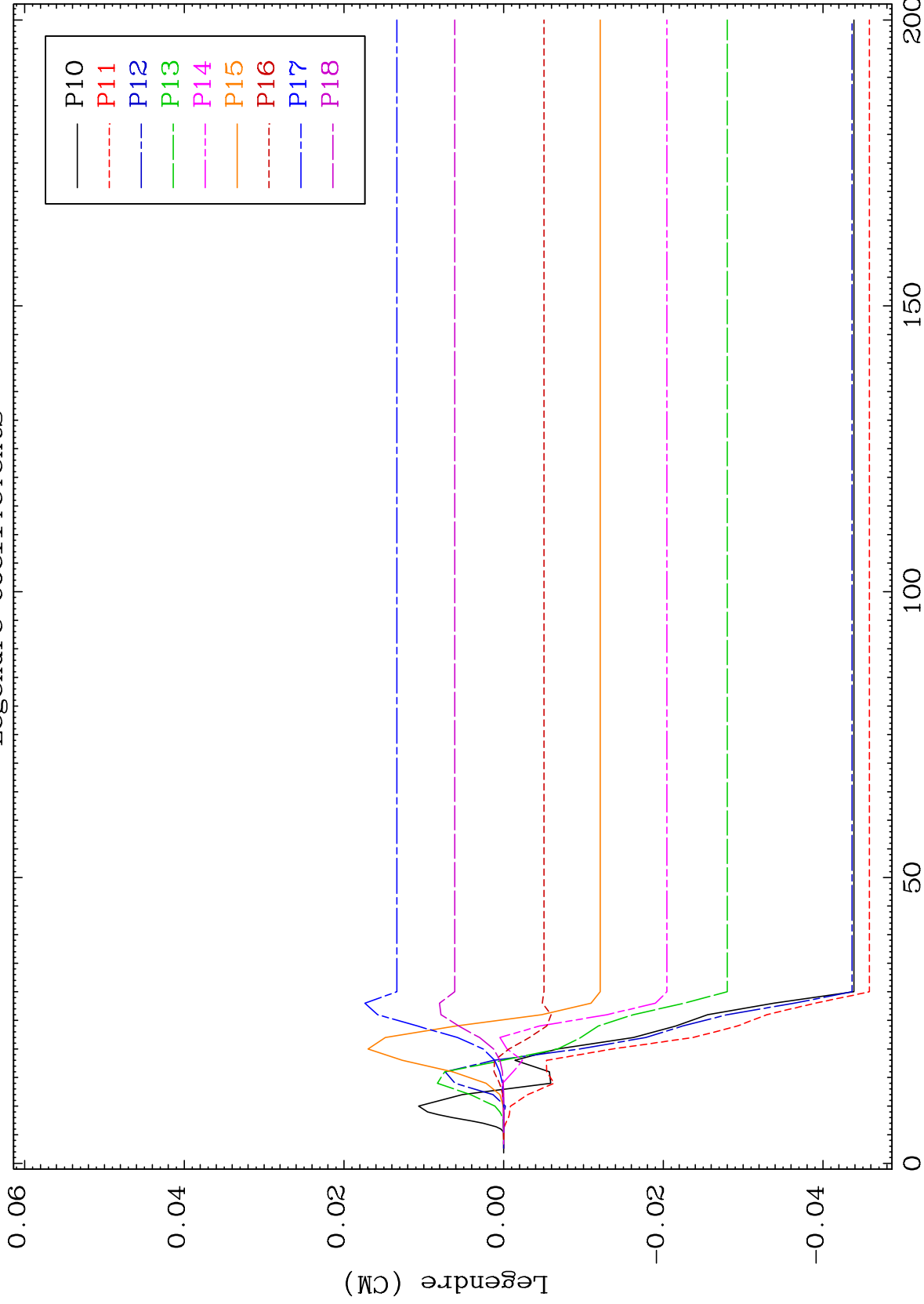


79 59-Pr-141

MAT 5925

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

59-Pr-141



80

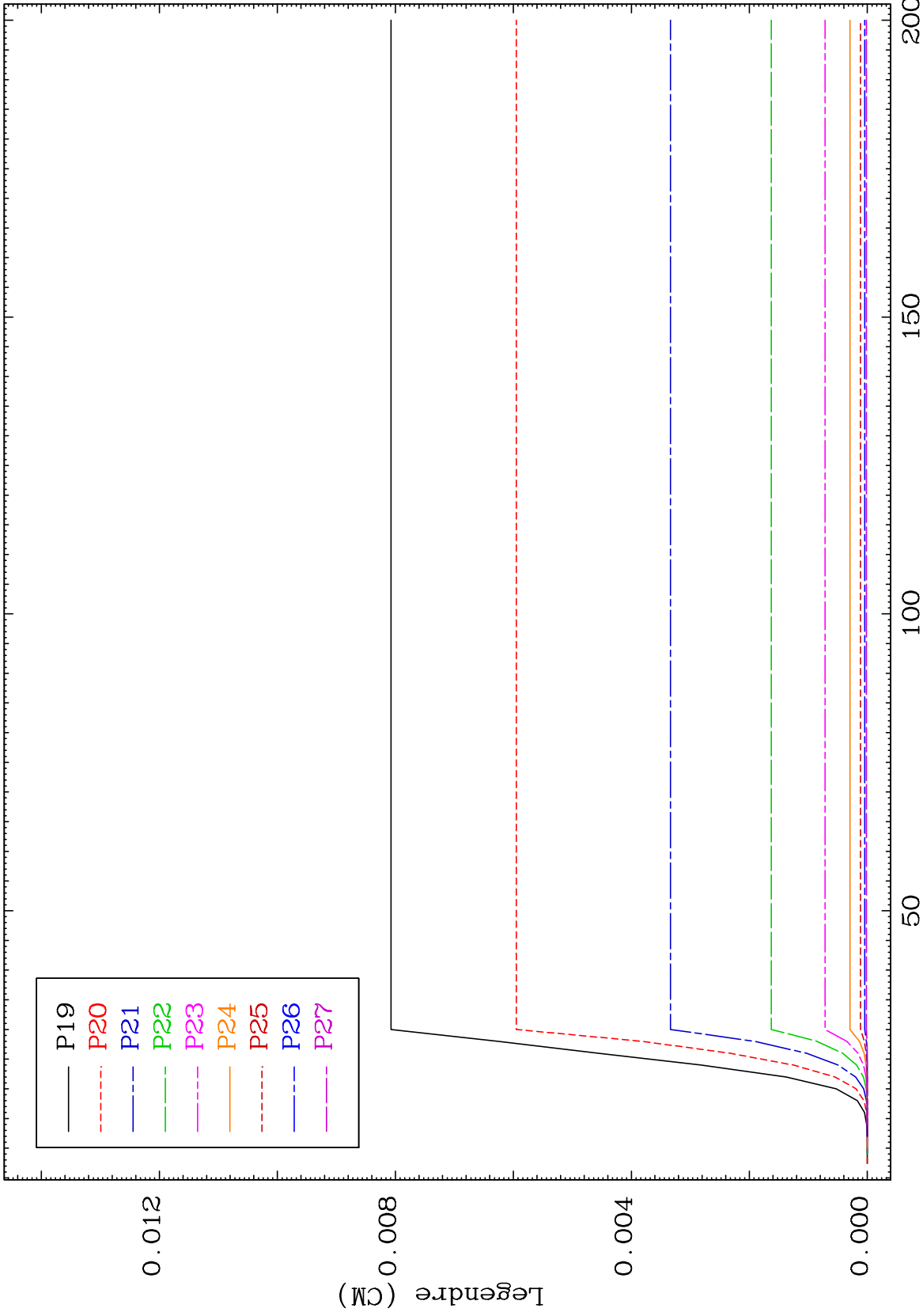
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



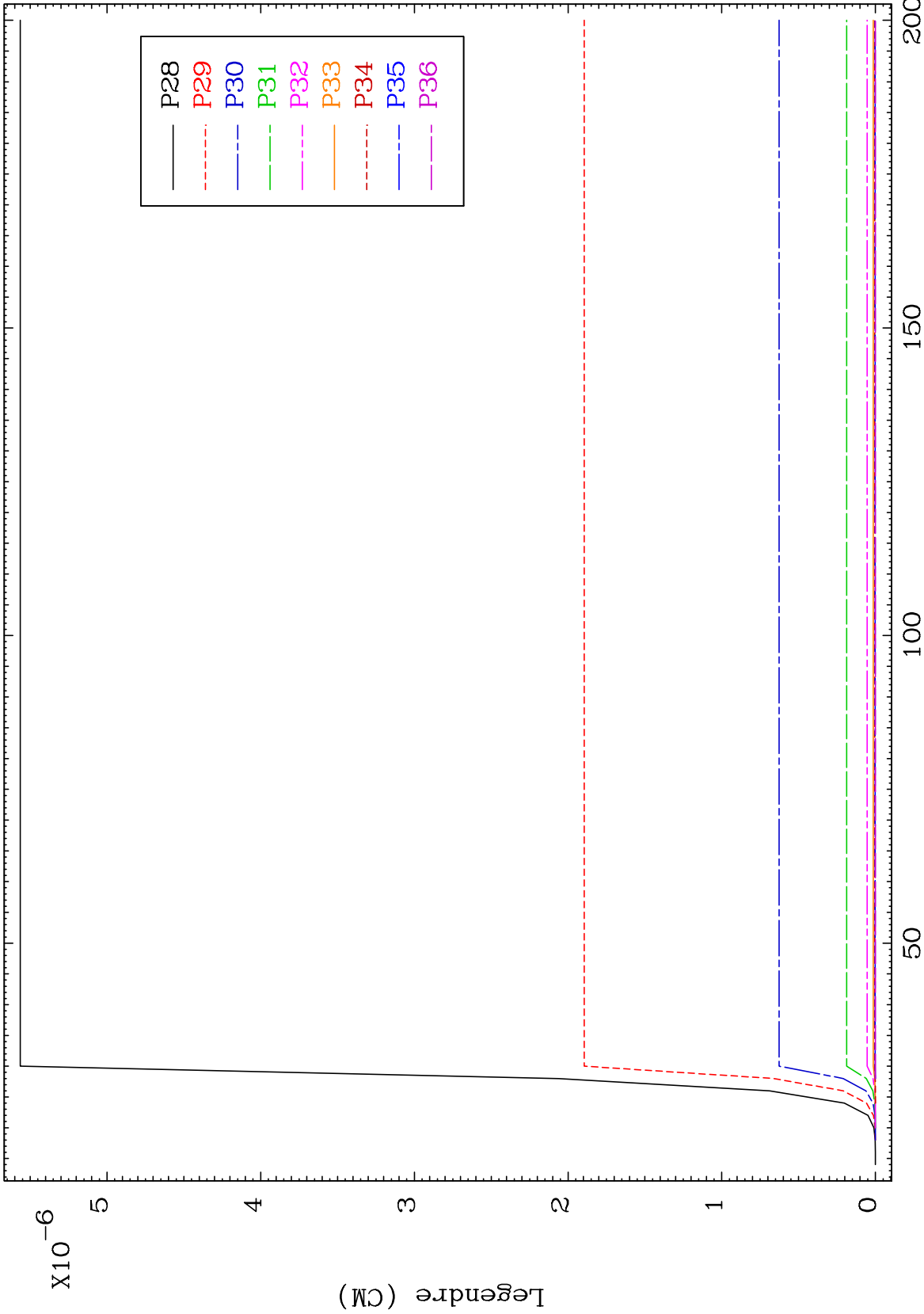
81

59-Pr-141

MAT 5925

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

59-Pr-141



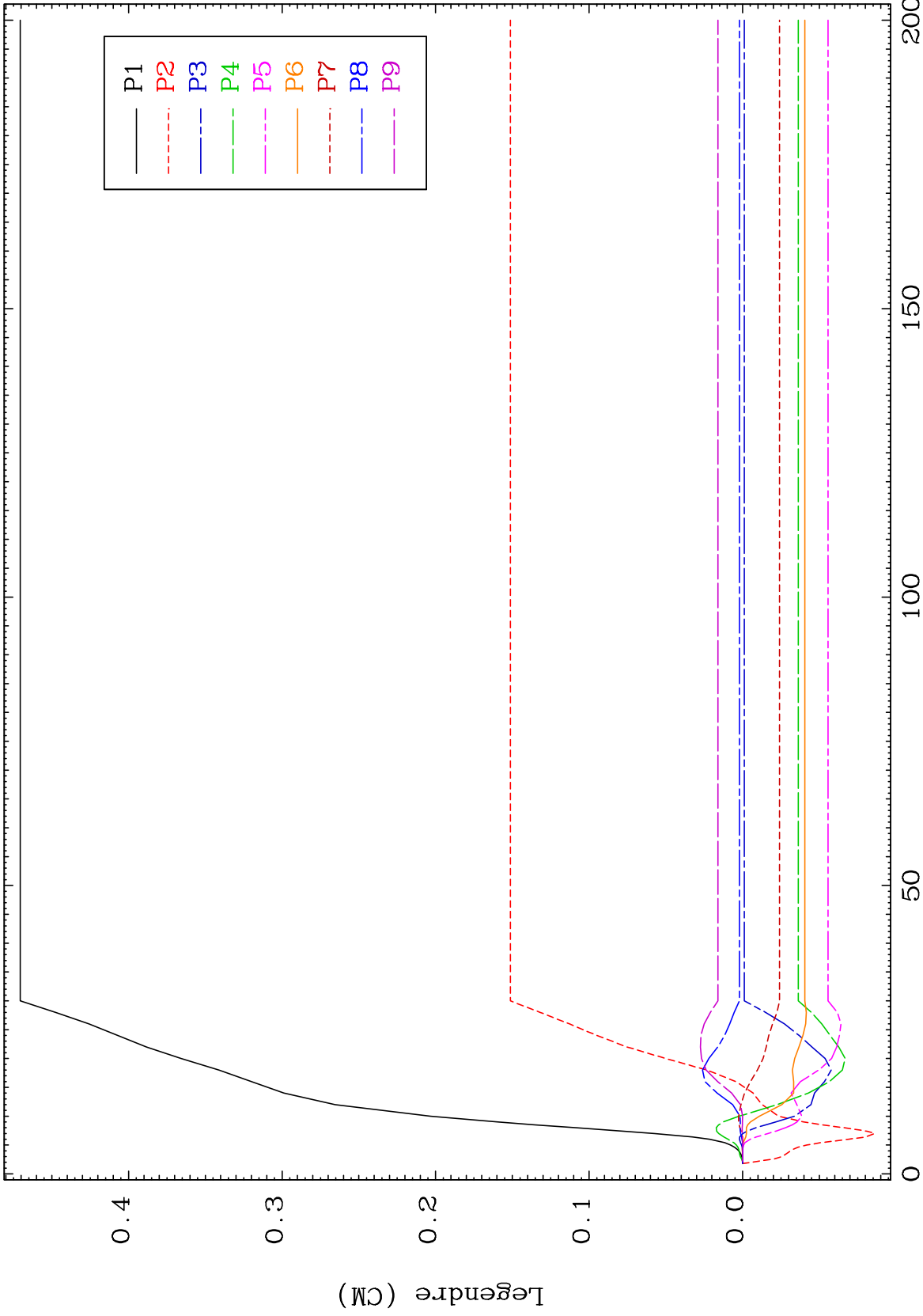
82

59-Pr-141

MAT 5925

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

59-Pr-141



83

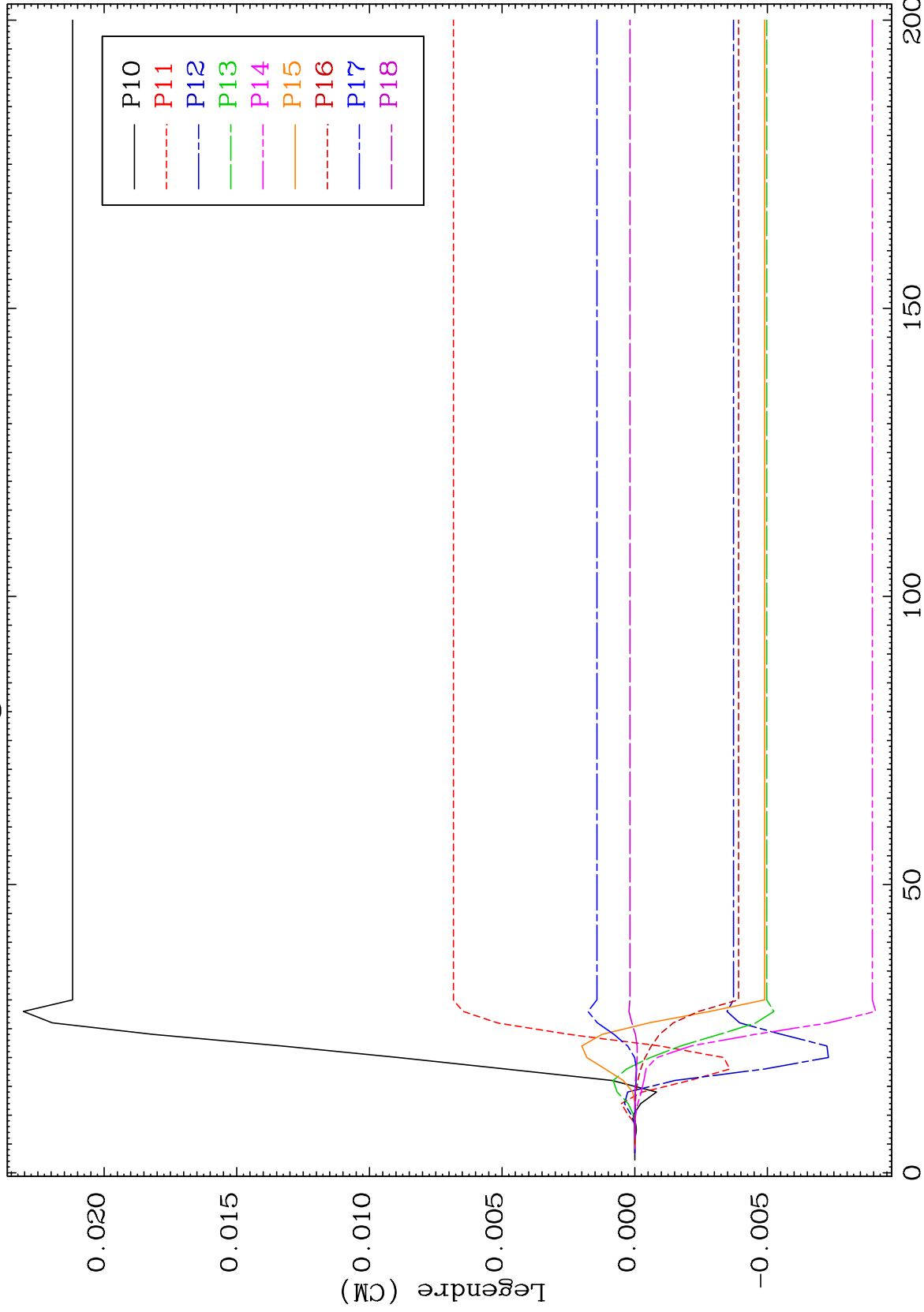
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

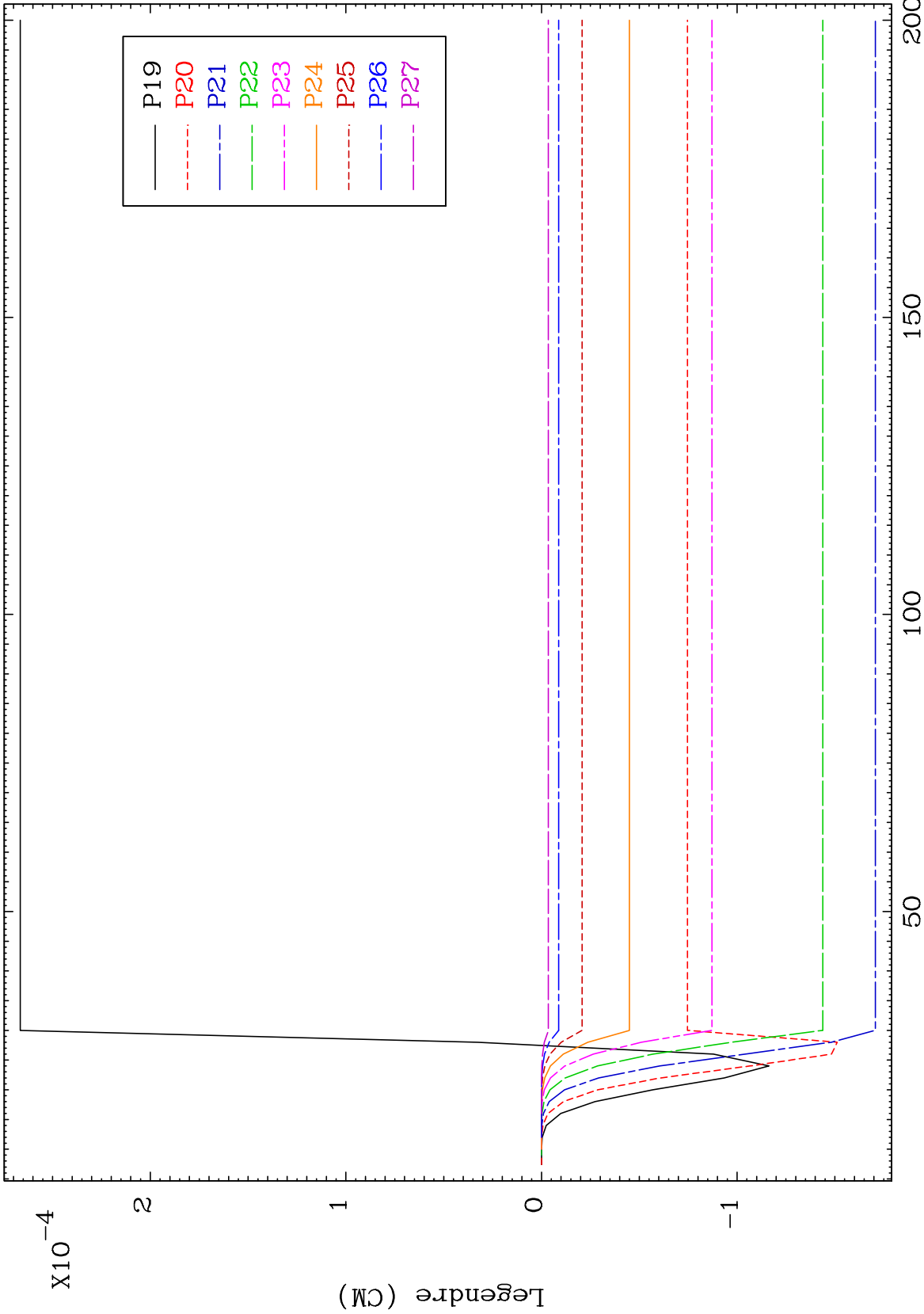
59-Pr-141



84

Incident Energy (MeV)

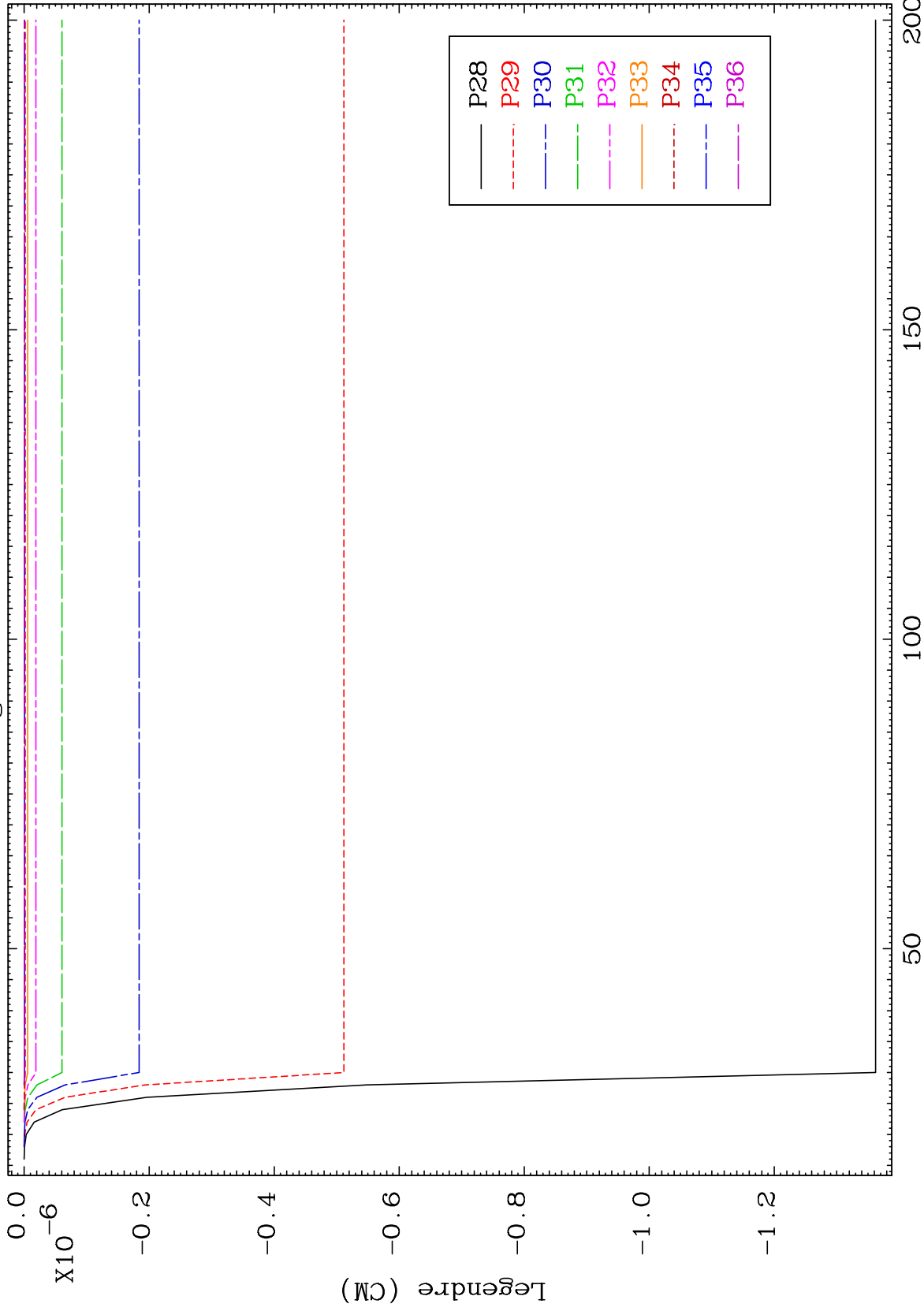
59-Pr-141



MAT 5925

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

59-Pr-141

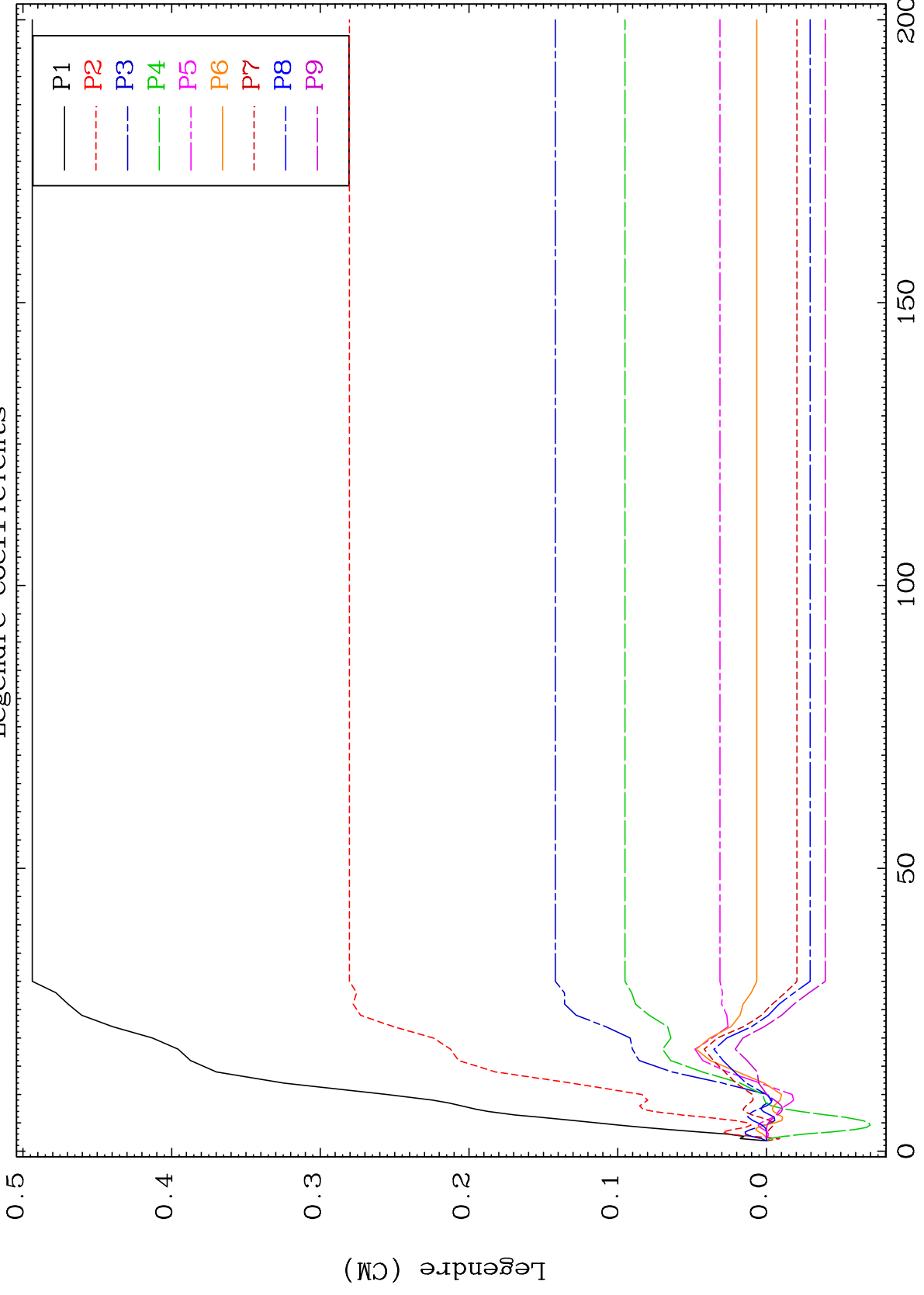


86

Incident Energy (MeV)

59-Pr-141

MAT 5925 MT= 68 (n,n') Level Legendre Coefficients 59-Pr-141

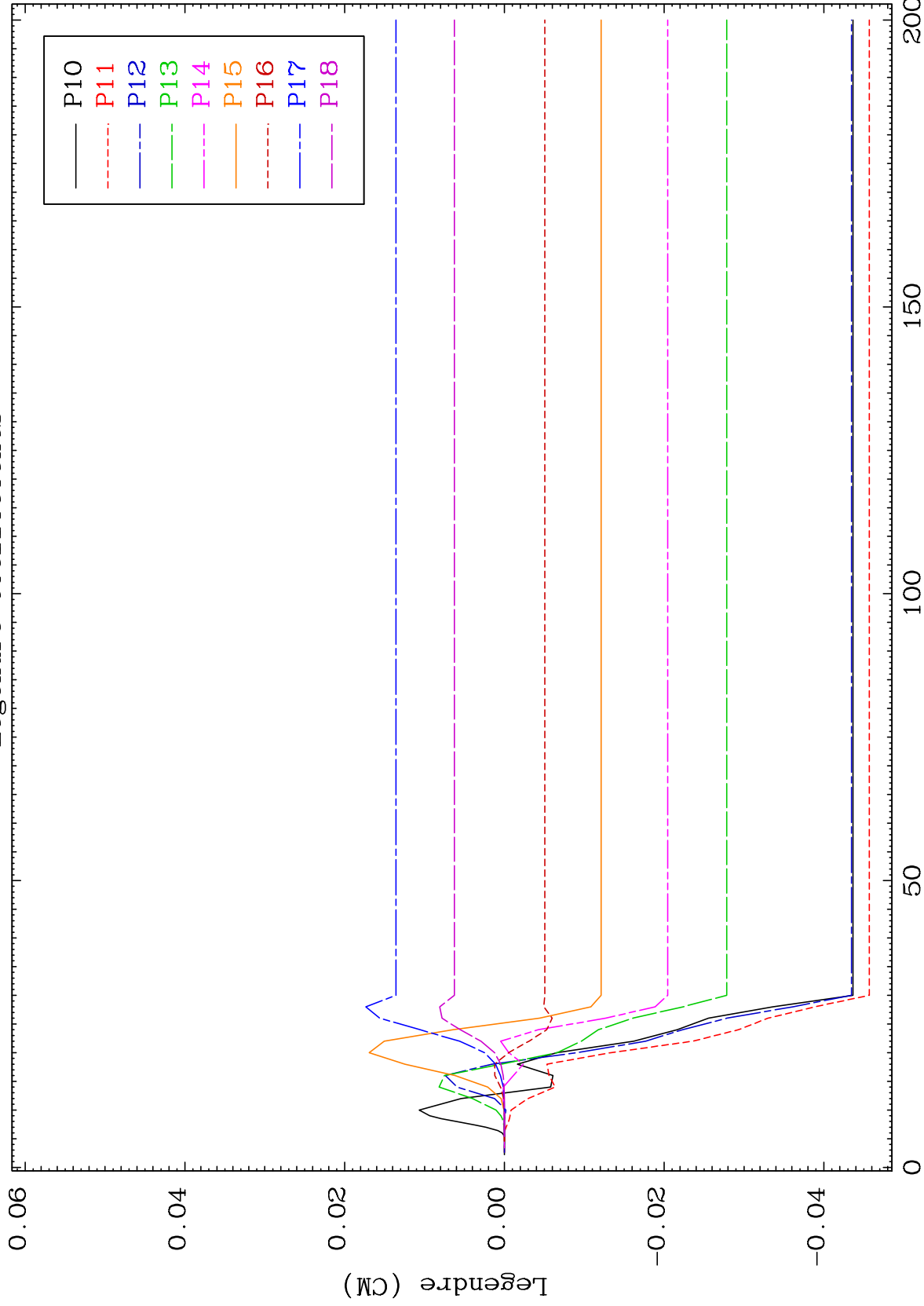


87 Incident Energy (MeV) 59-Pr-141

MAT 5925

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

59-Pr-141



88

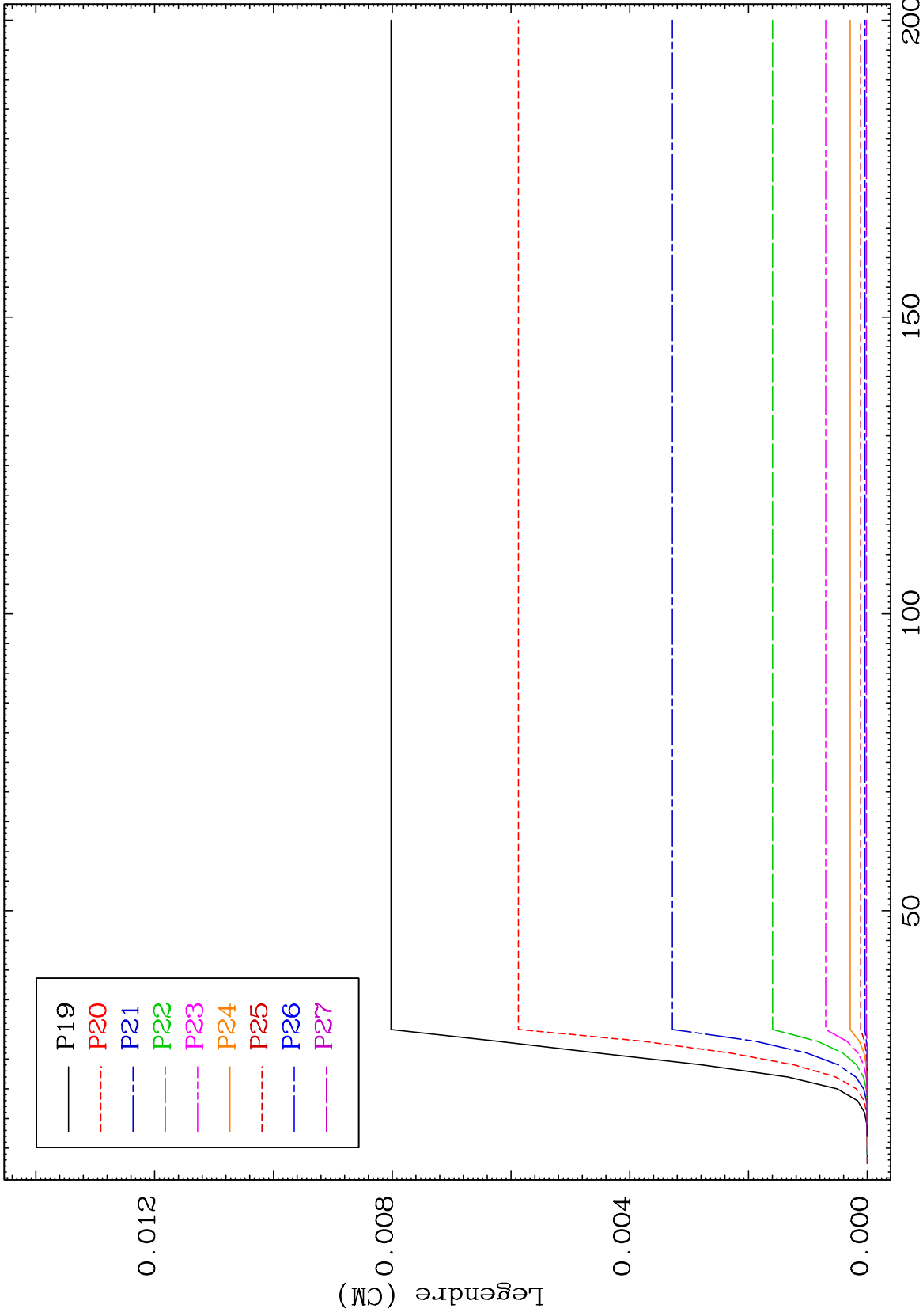
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



89

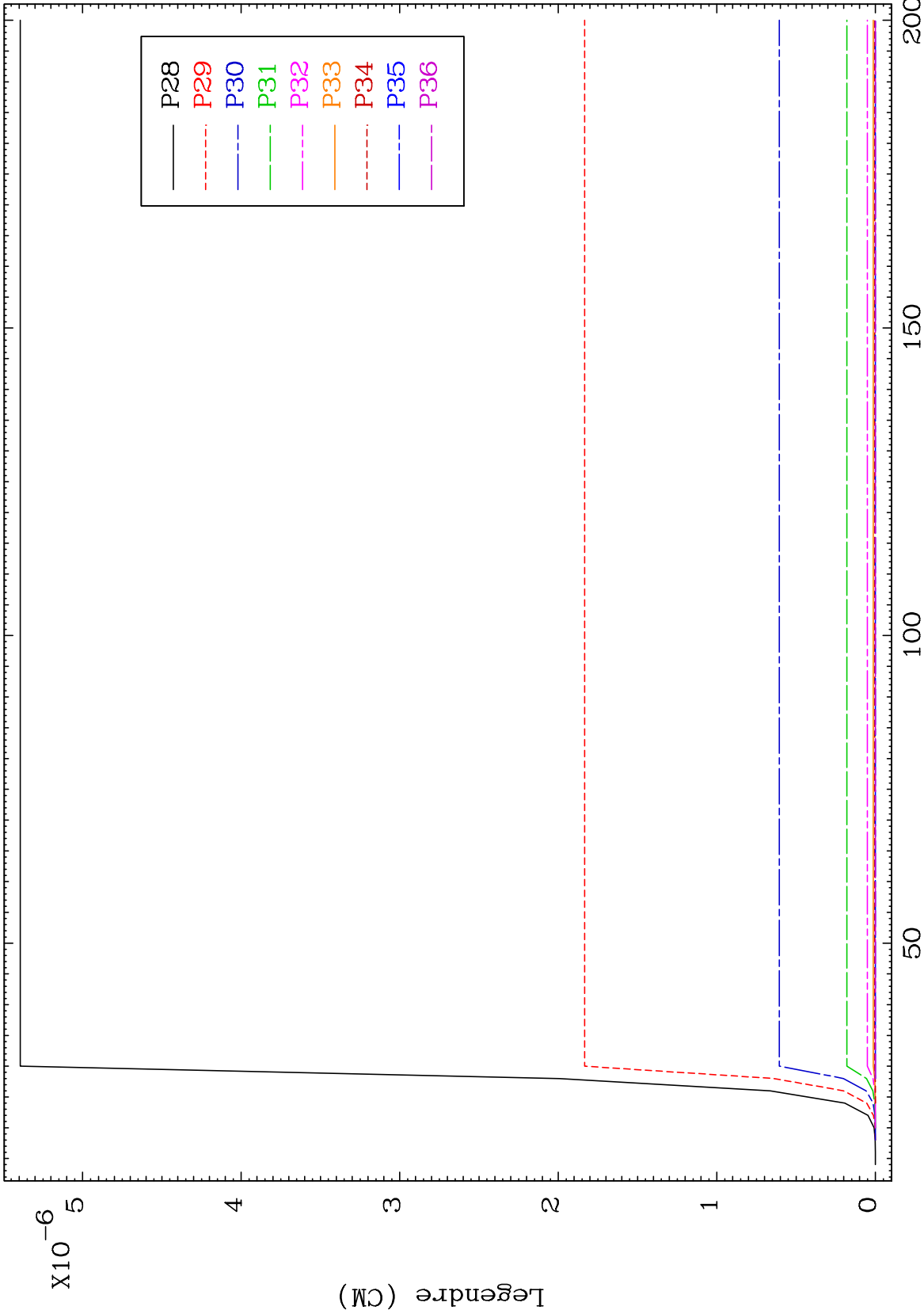
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



90

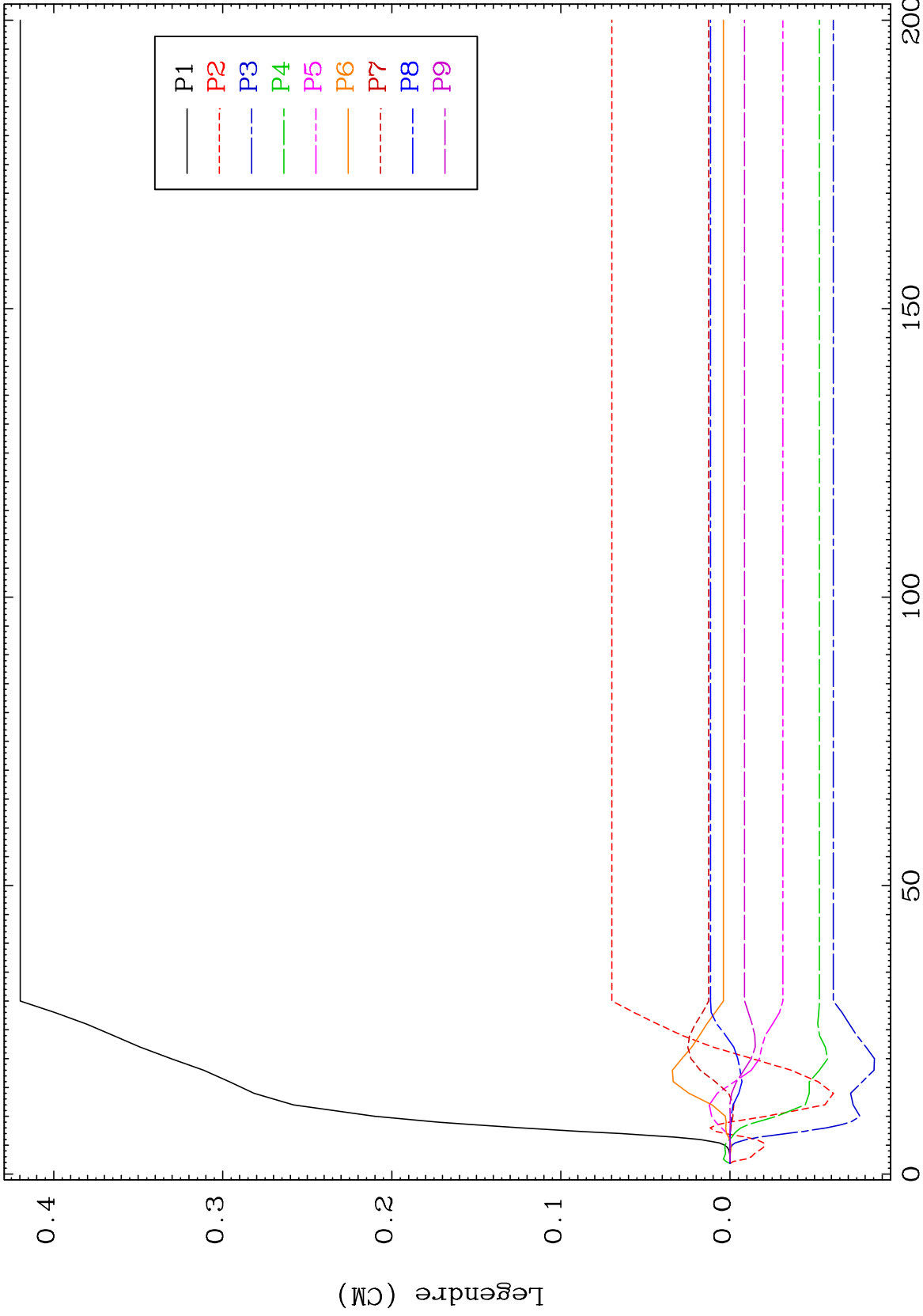
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



91

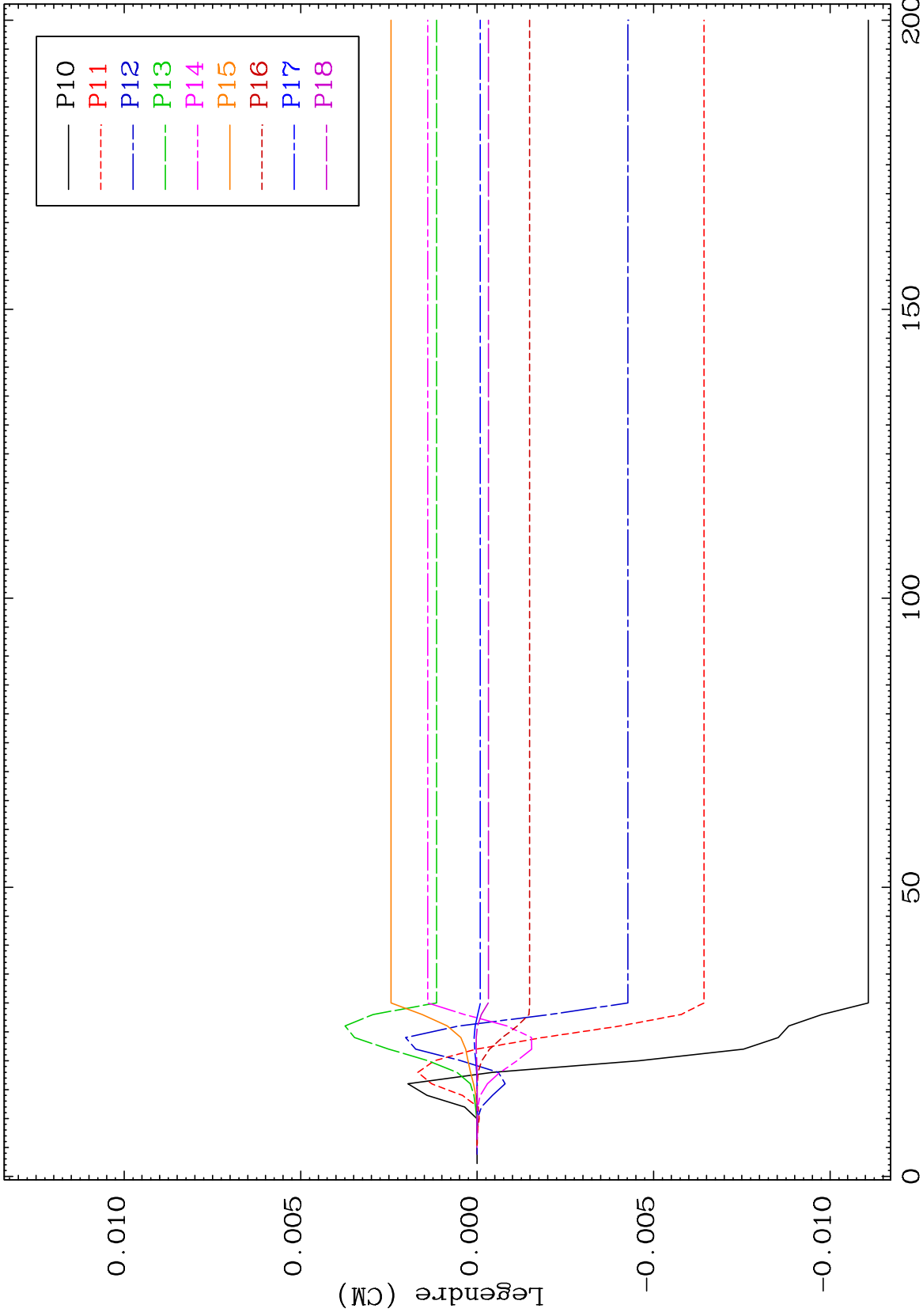
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



92

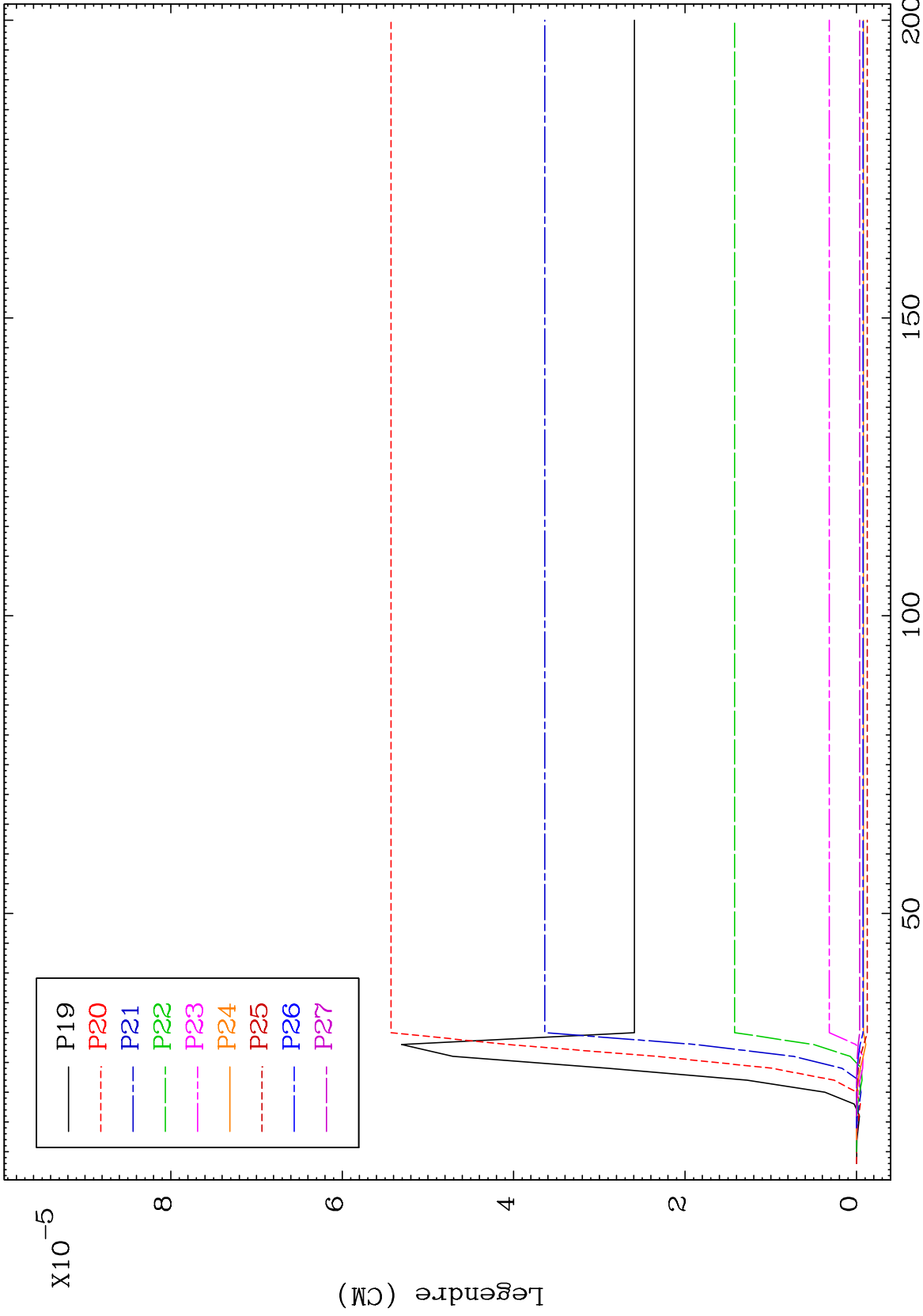
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

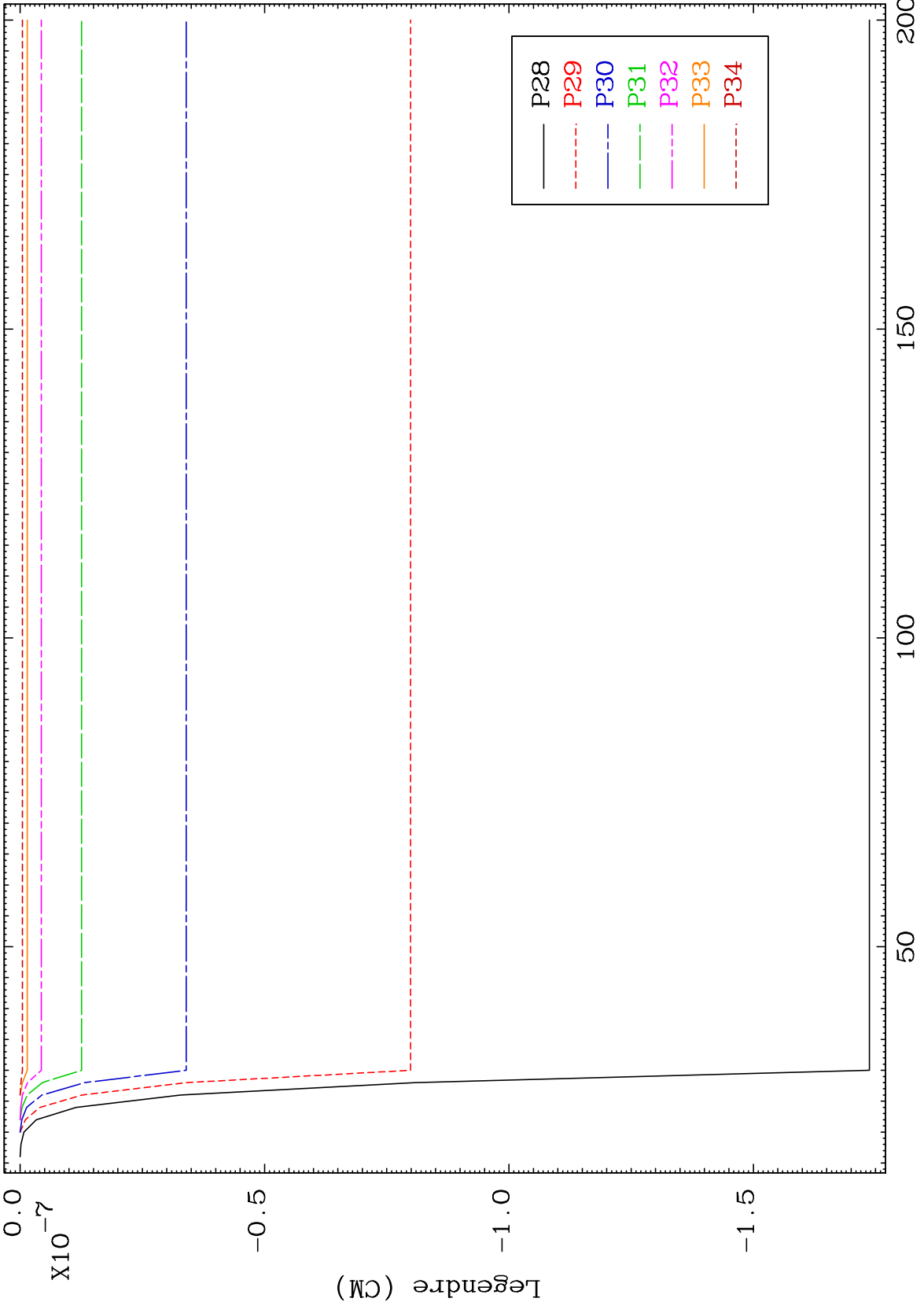
59-Pr-141



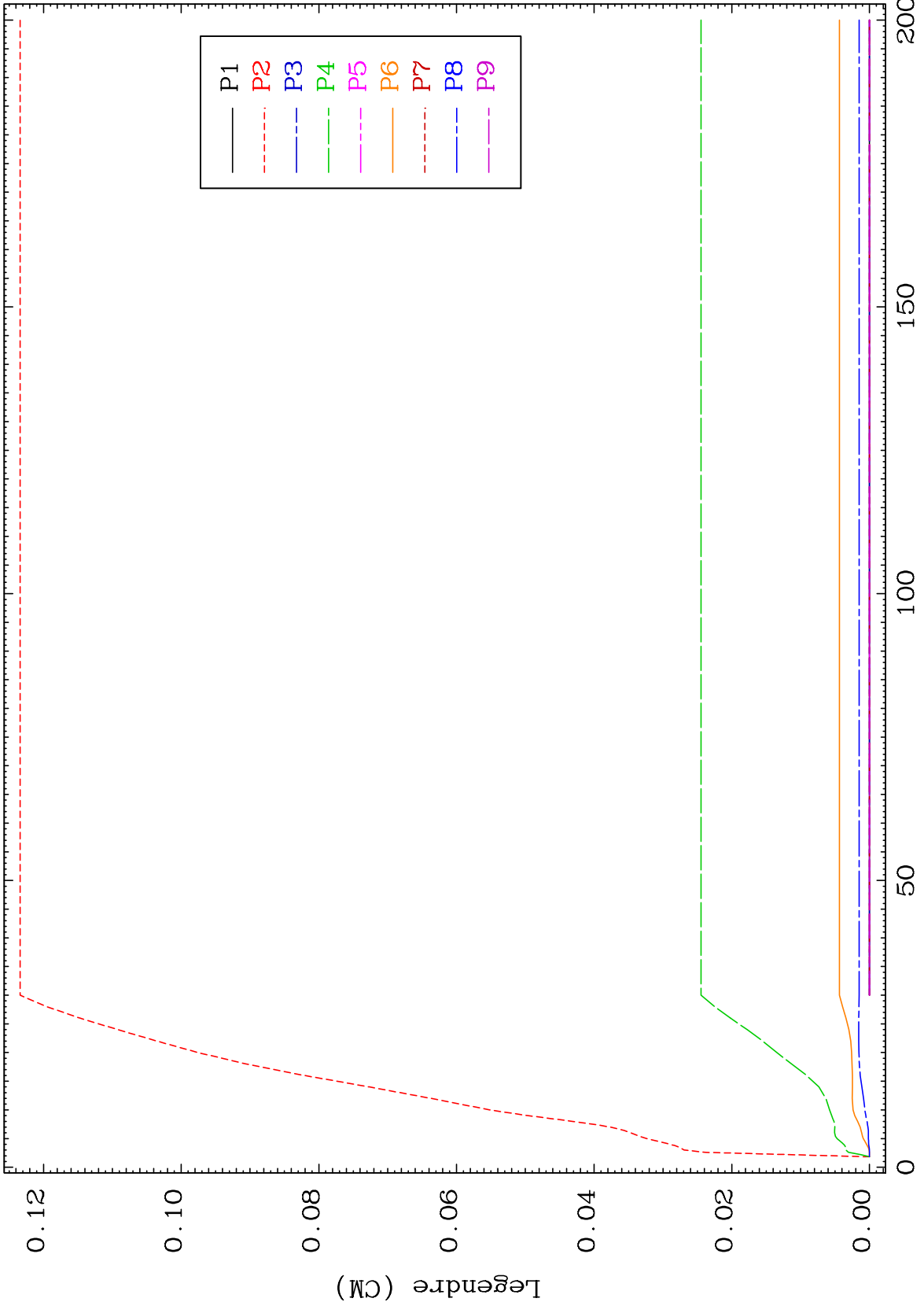
93

59-Pr-141

MAT 5925 MT= 69 (n,n') Level Legendre Coefficients 59-Pr-141



MAT 5925 MT= 70 (n,n') Level Legendre Coefficients 59-Pr-141

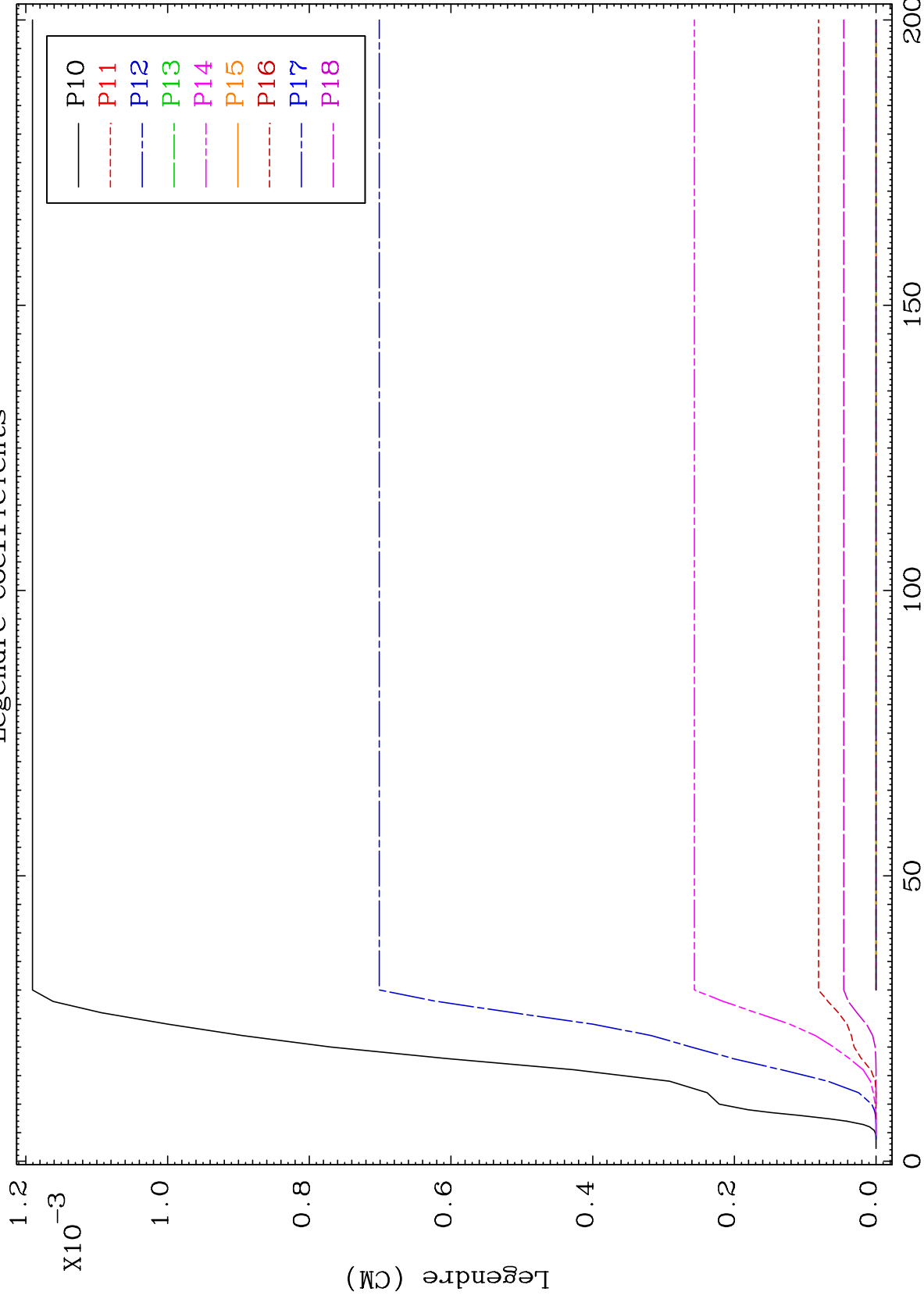


95 Incident Energy (MeV) 59-Pr-141

MAT 5925

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

59-Pr-141



96

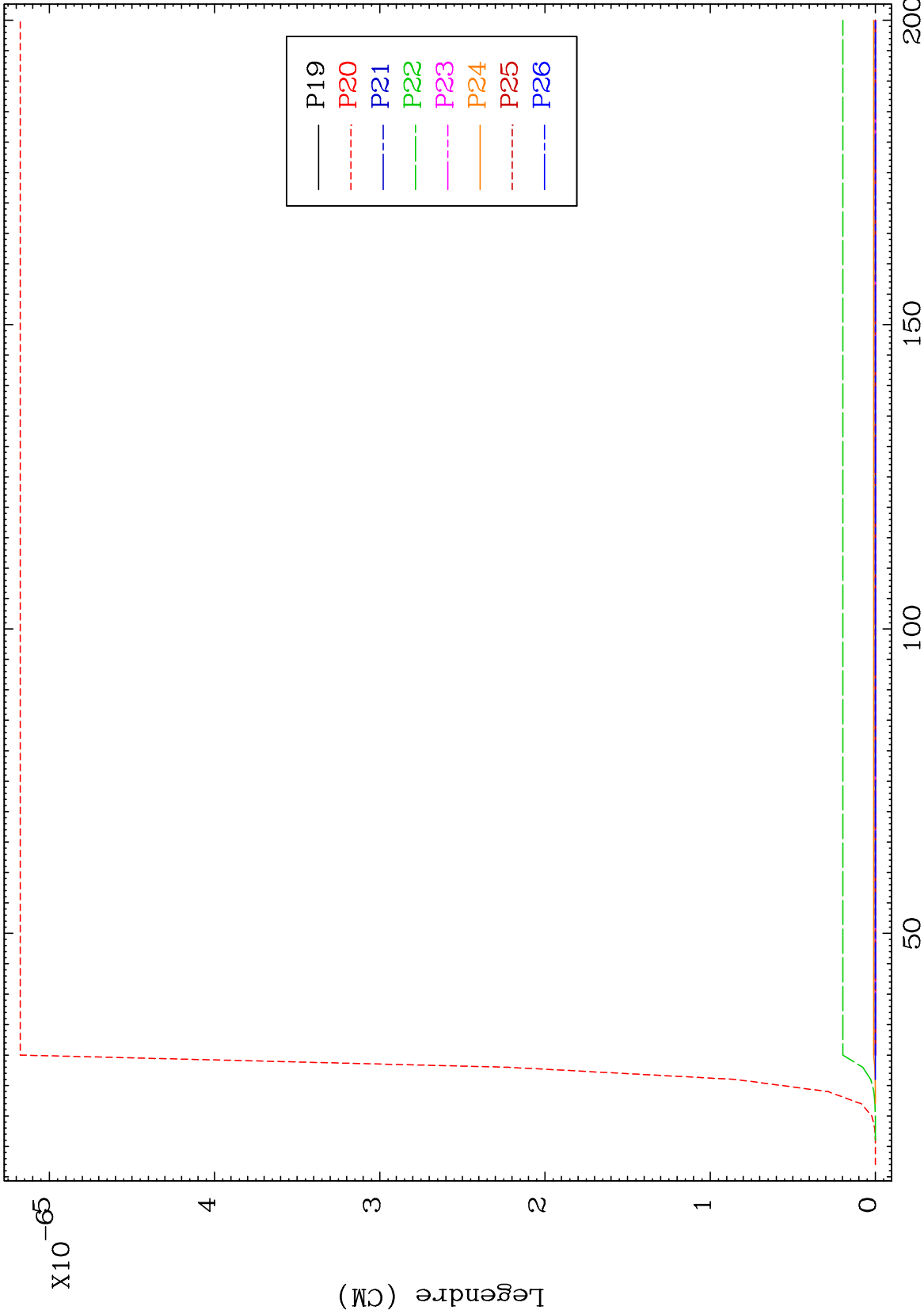
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



97

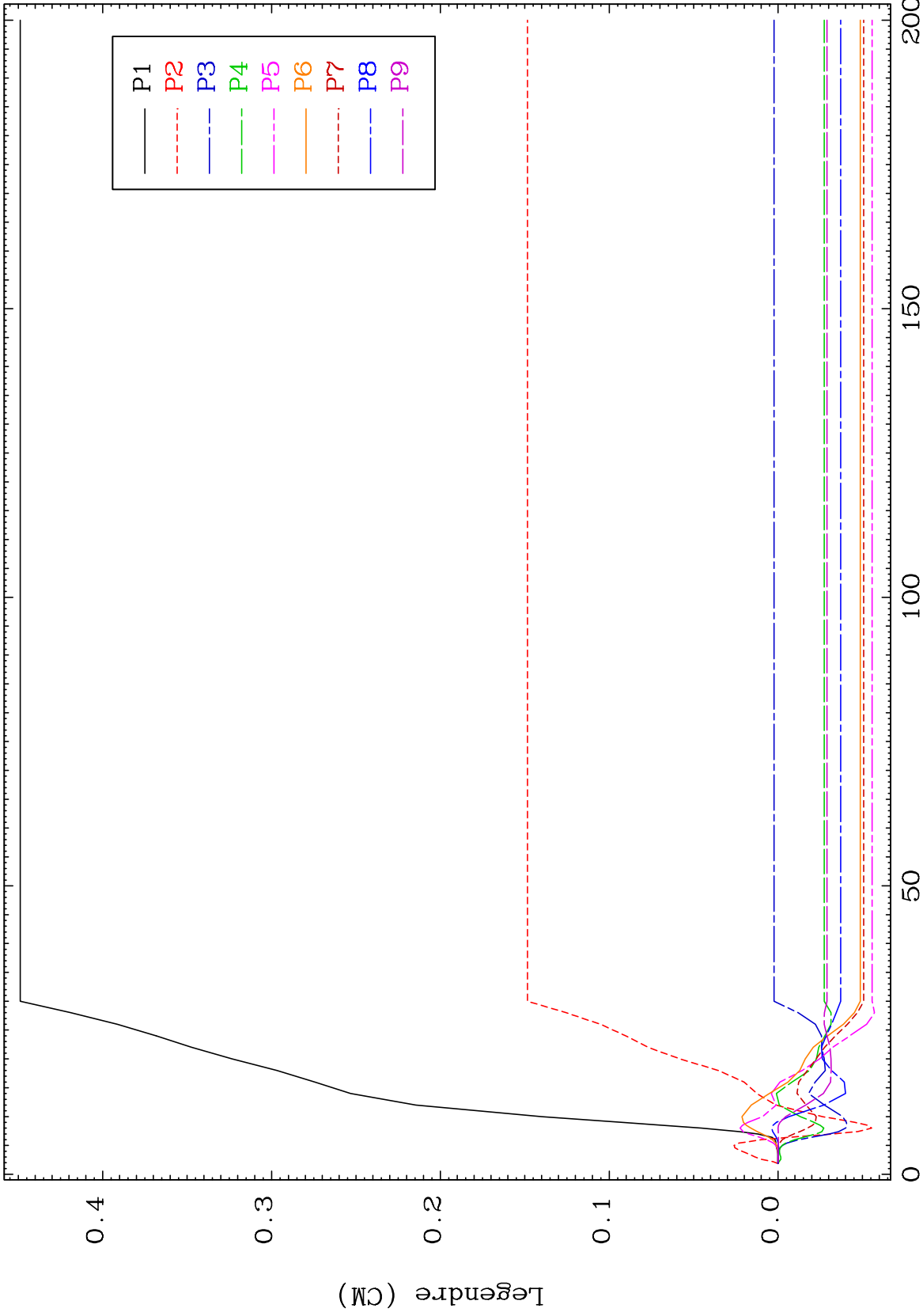
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



98

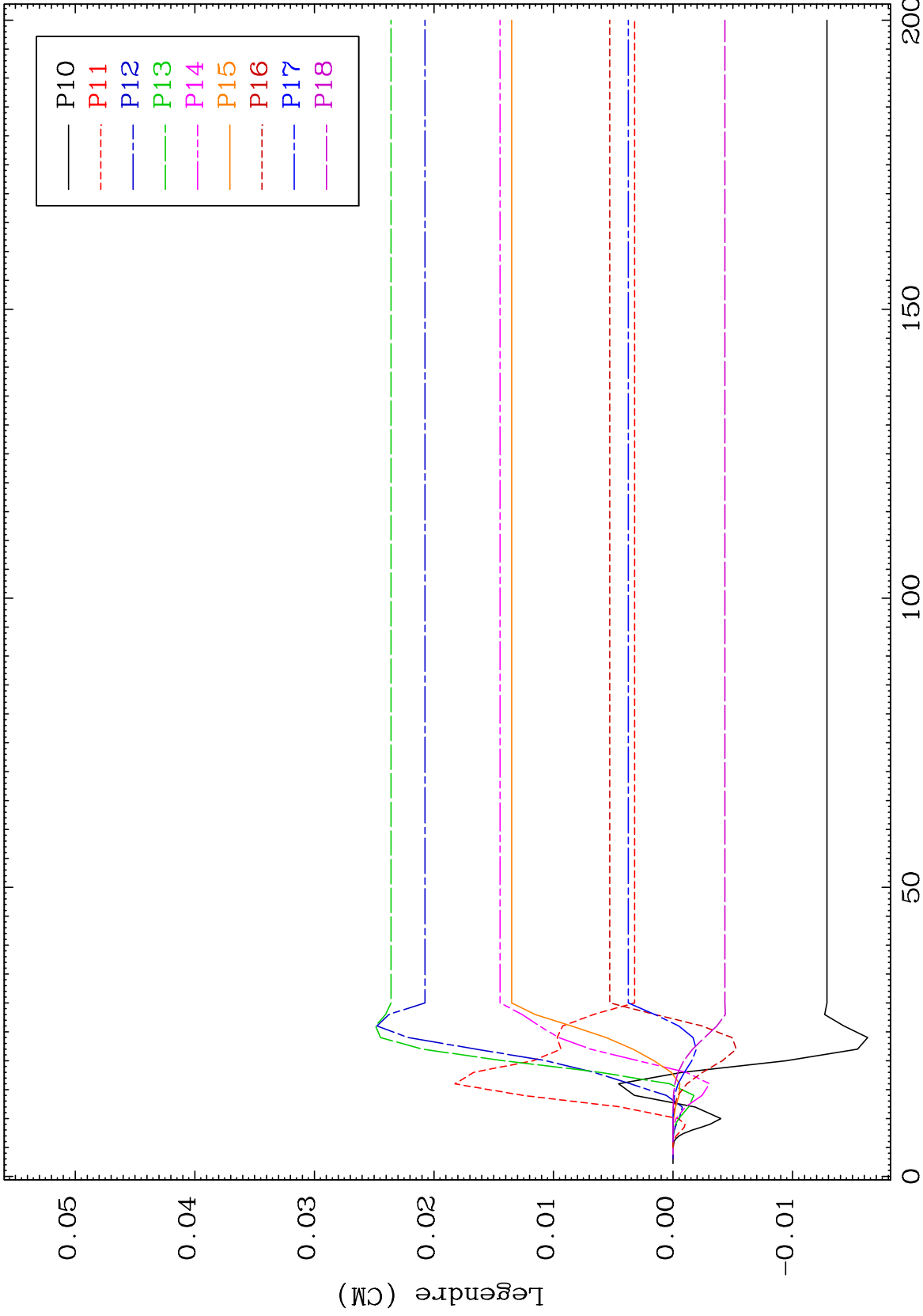
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



99

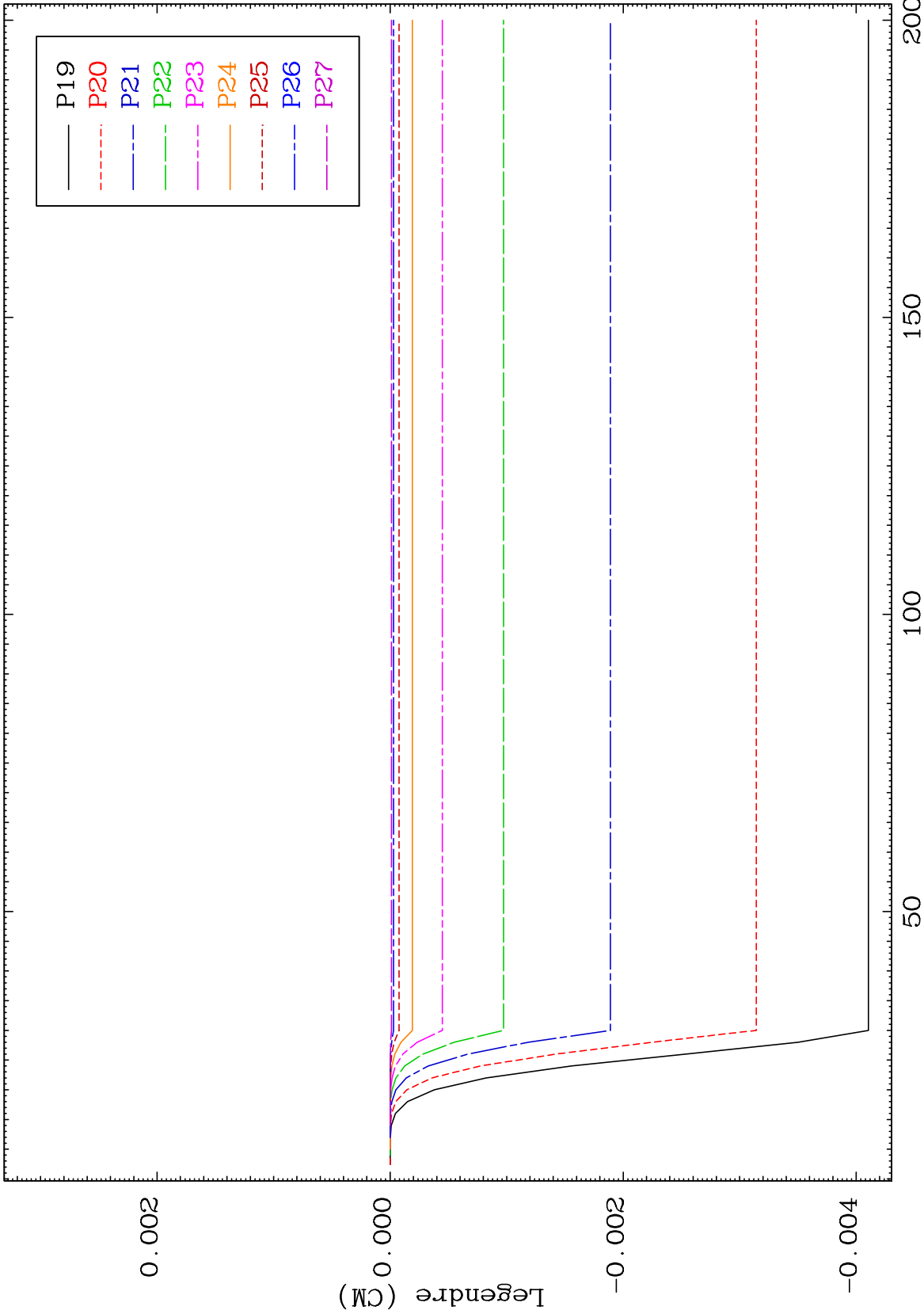
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



100

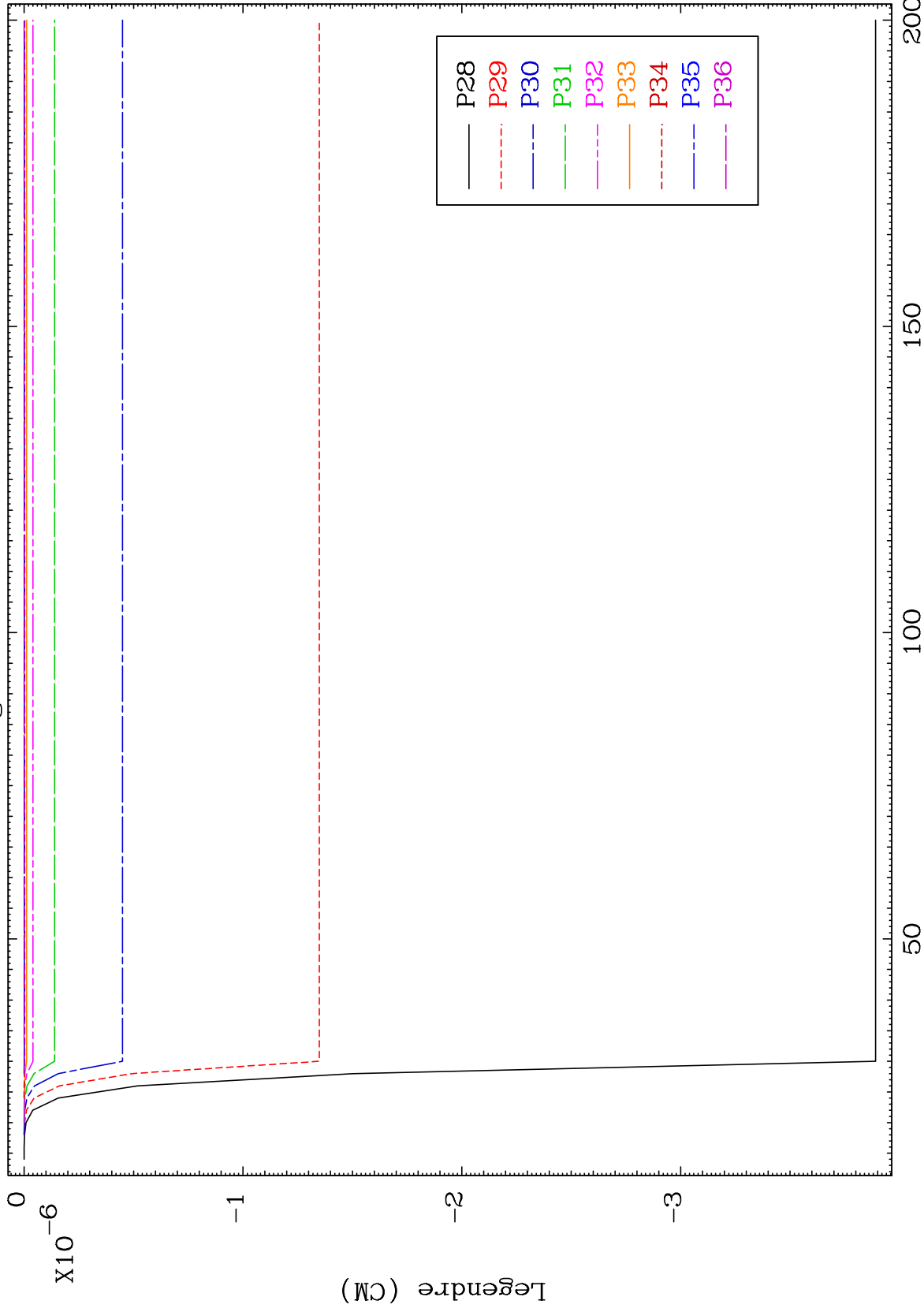
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



101

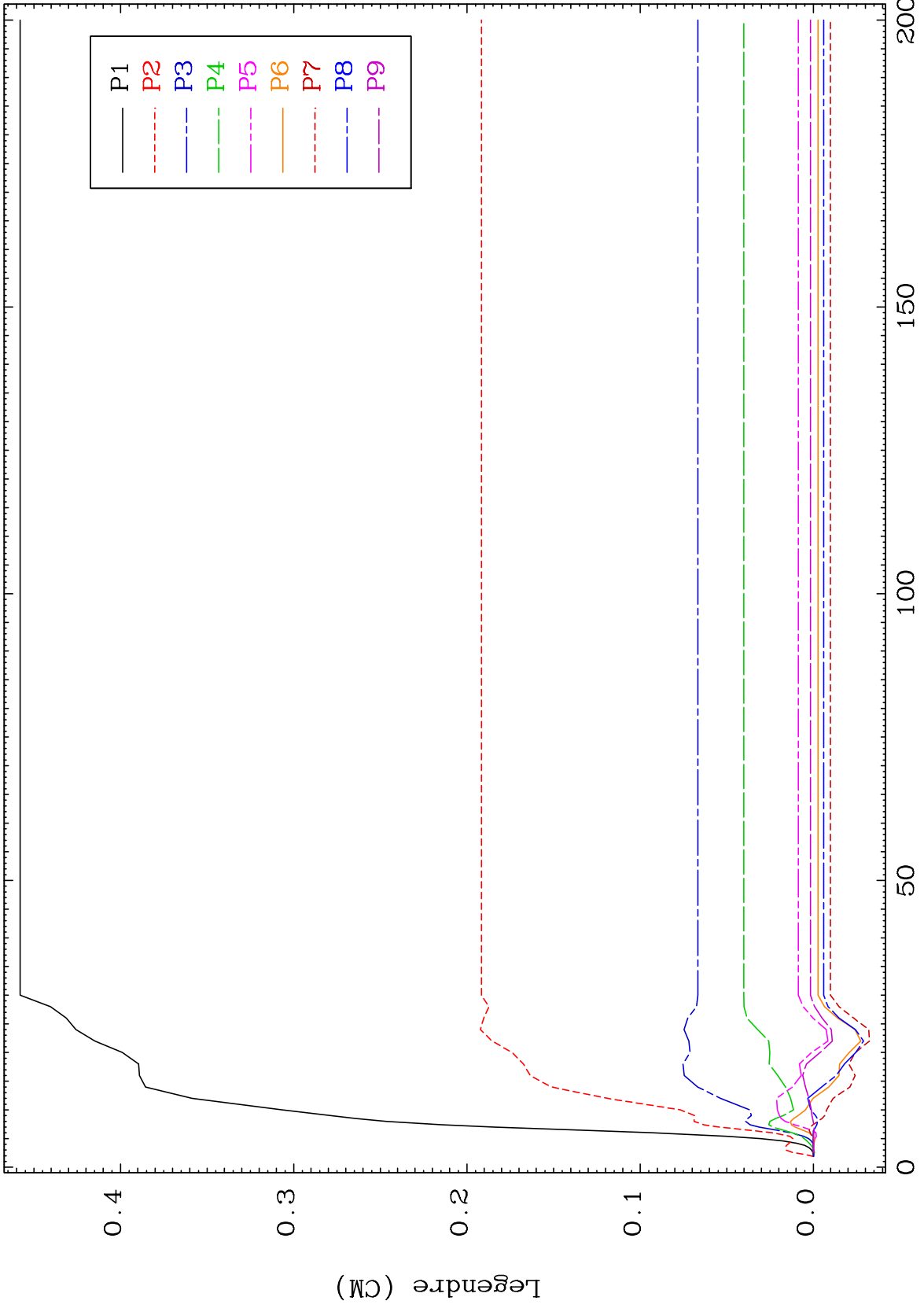
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



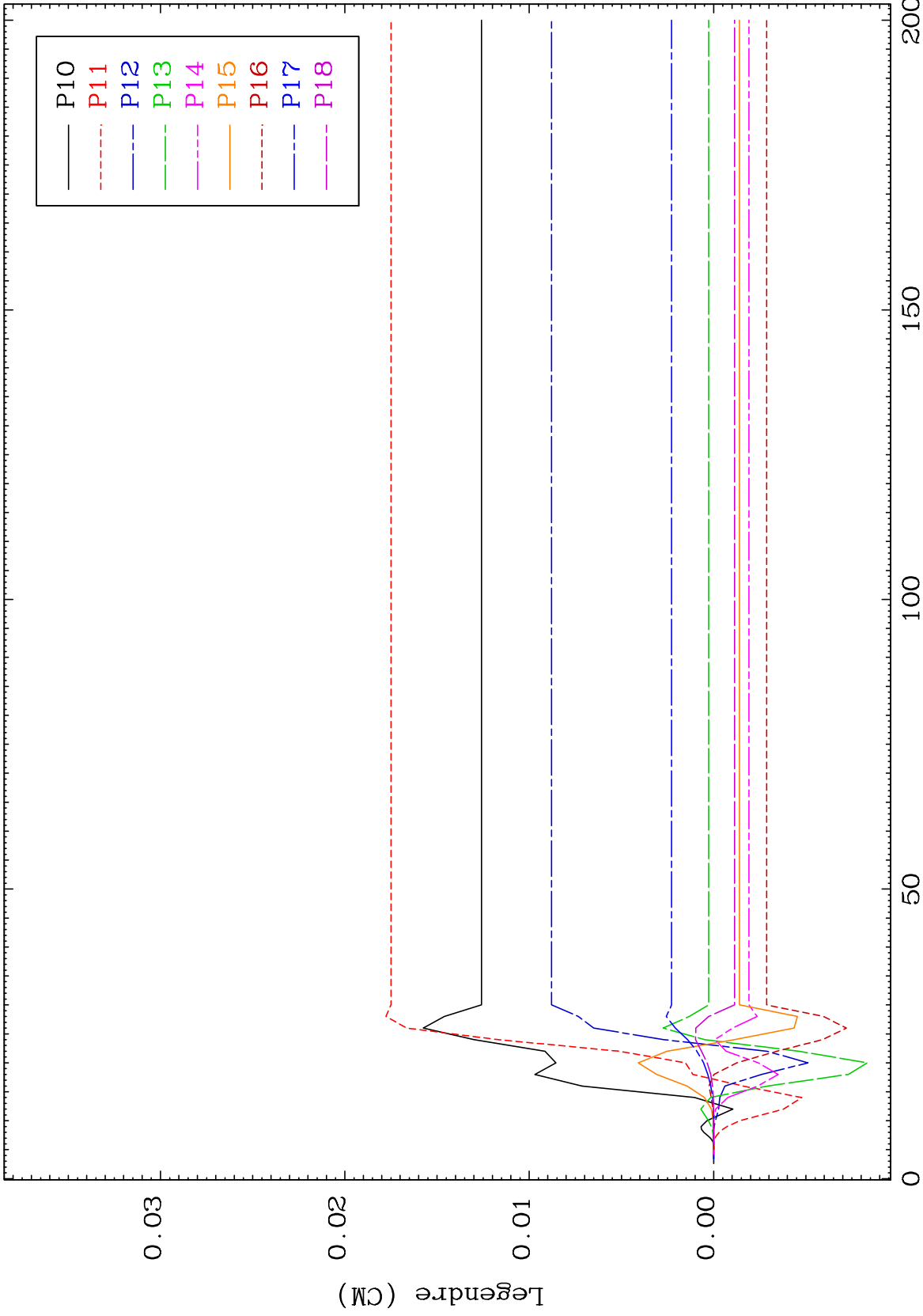
102

59-Pr-141

MAT 5925

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

59-Pr-141



103

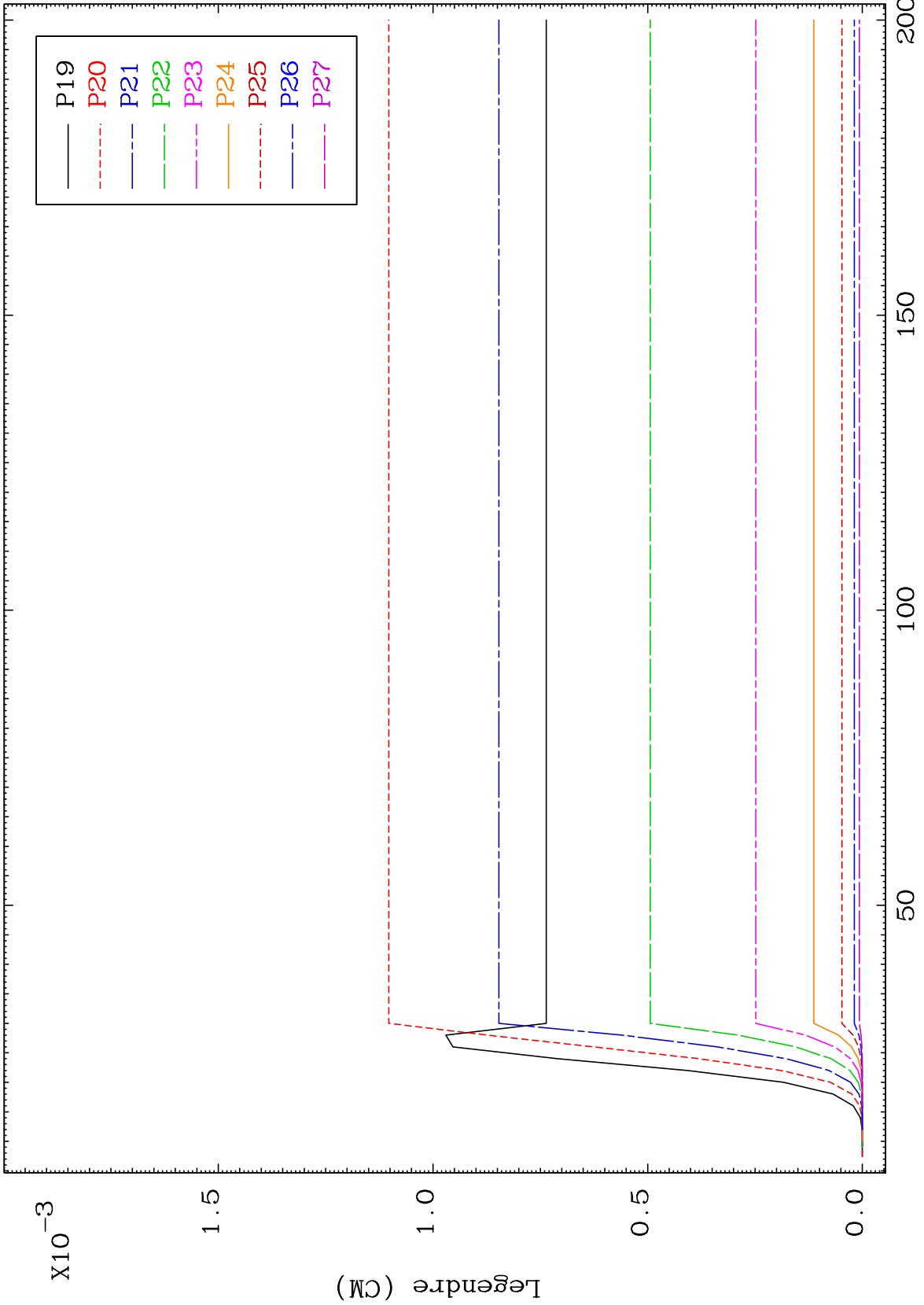
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



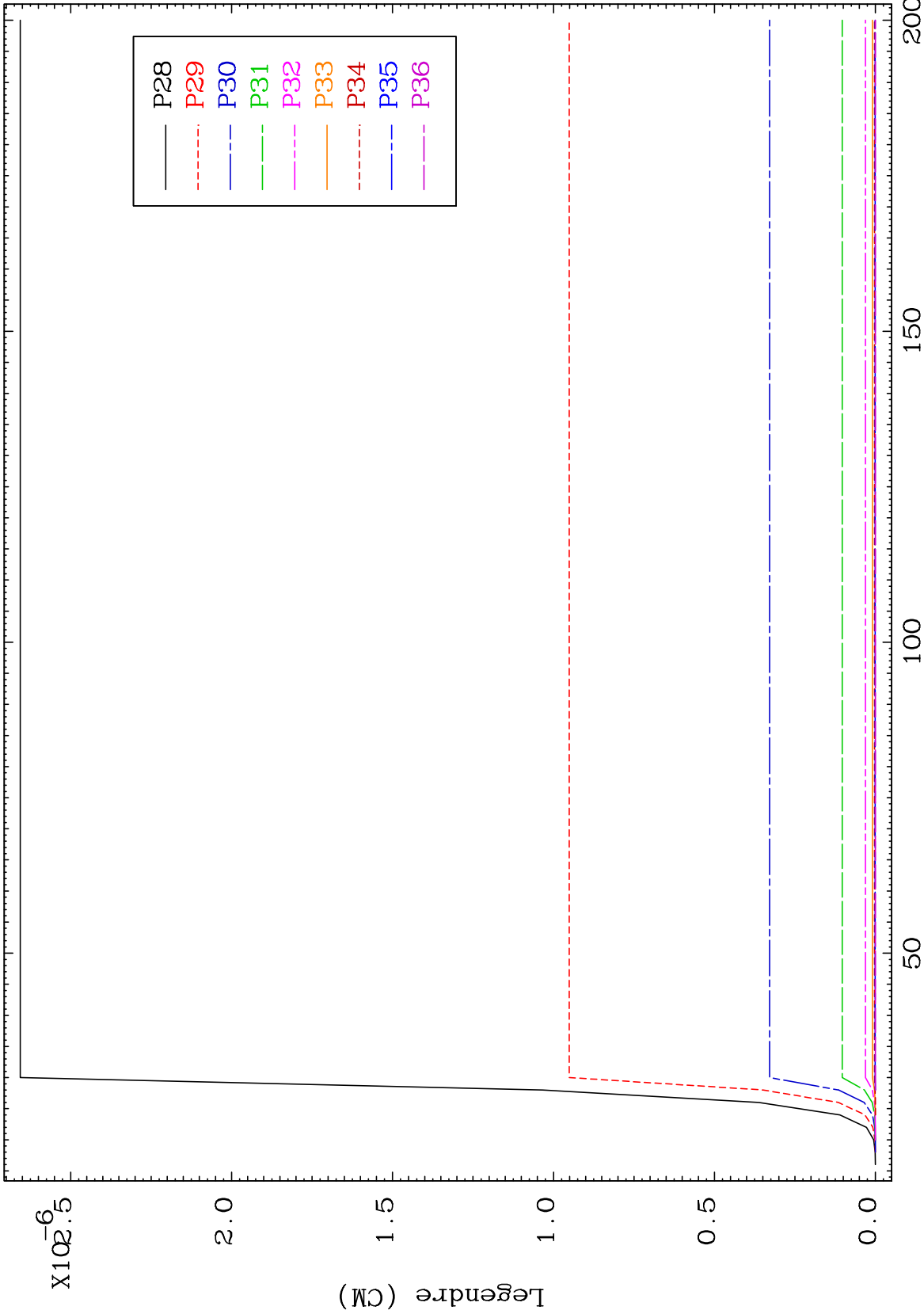
104

59-Pr-141

MAT 5925

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

59-Pr-141

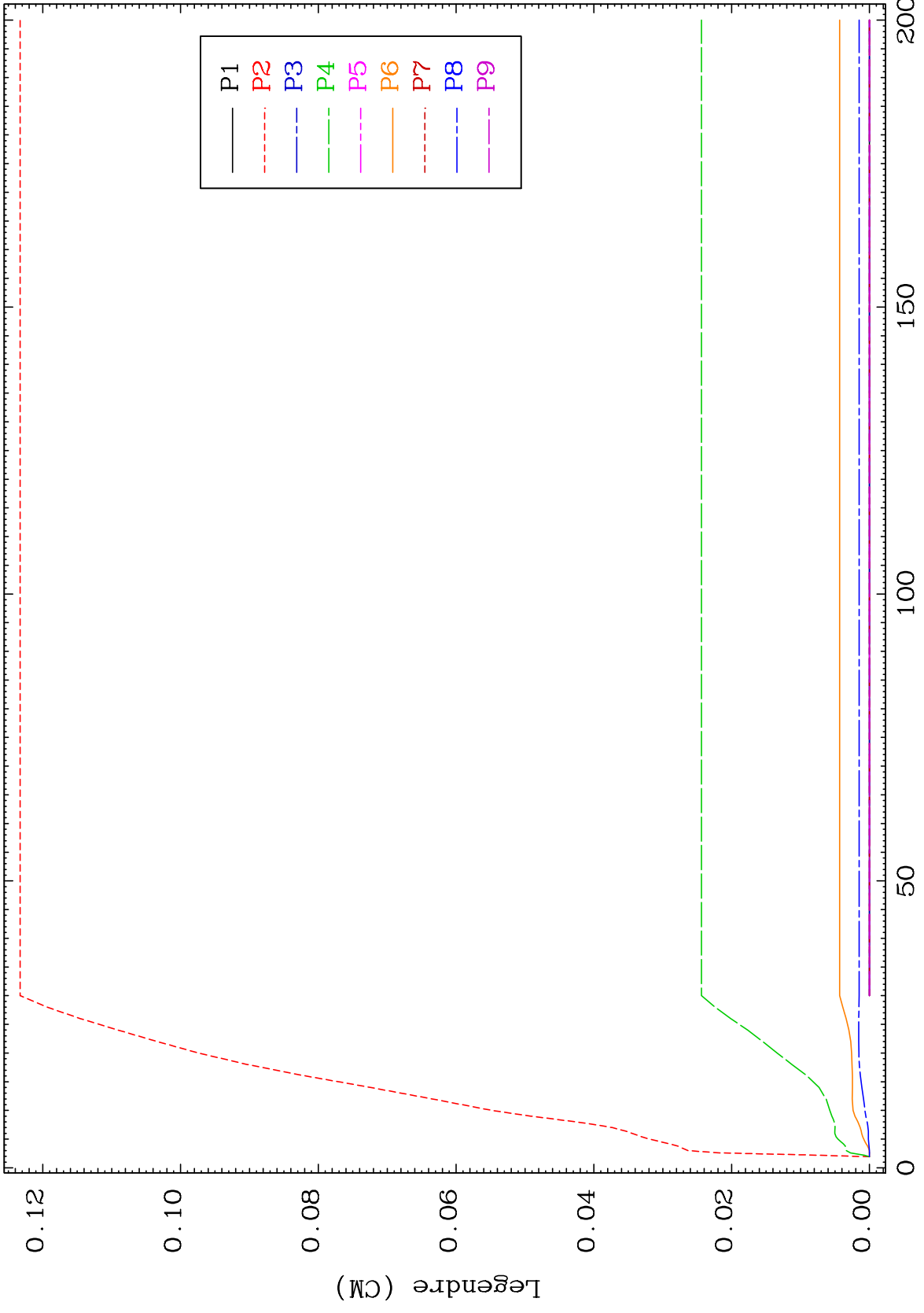


105

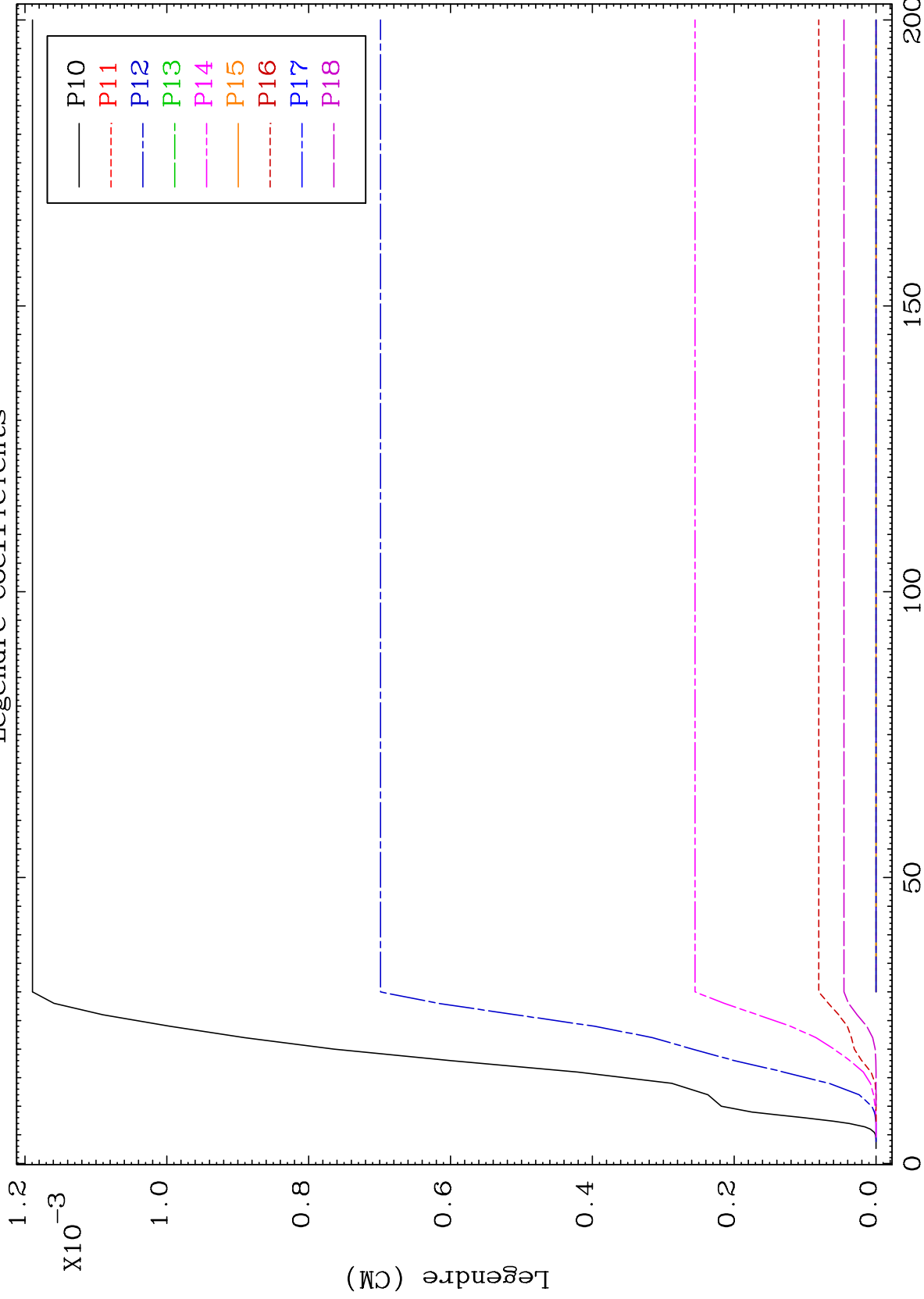
Incident Energy (MeV)

59-Pr-141

MAT 5925 MT= 73 (n,n') Level Legendre Coefficients 59-Pr-141



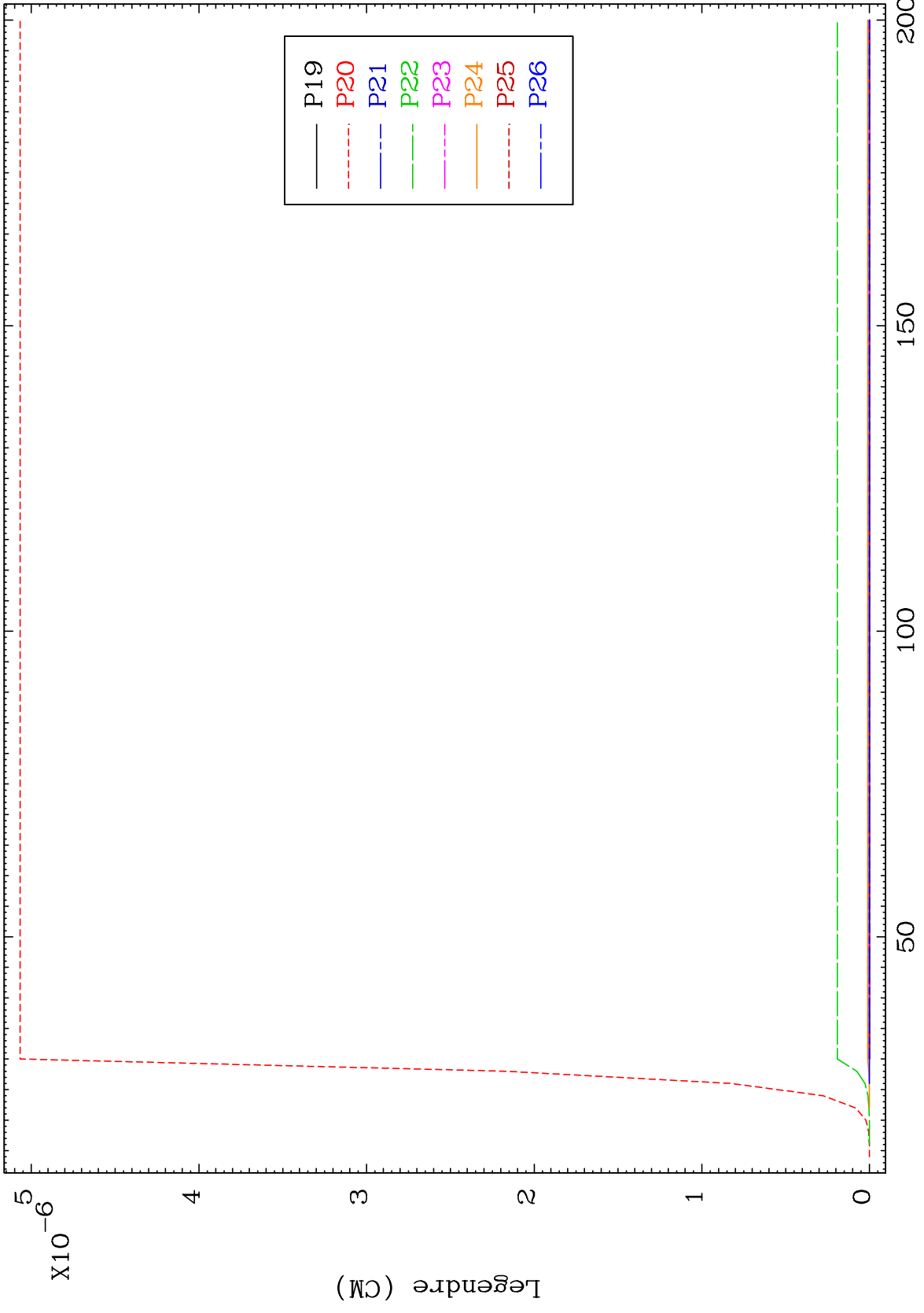
106 Incident Energy (MeV) 59-Pr-141



MAT 5925

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

59-Pr-141



108

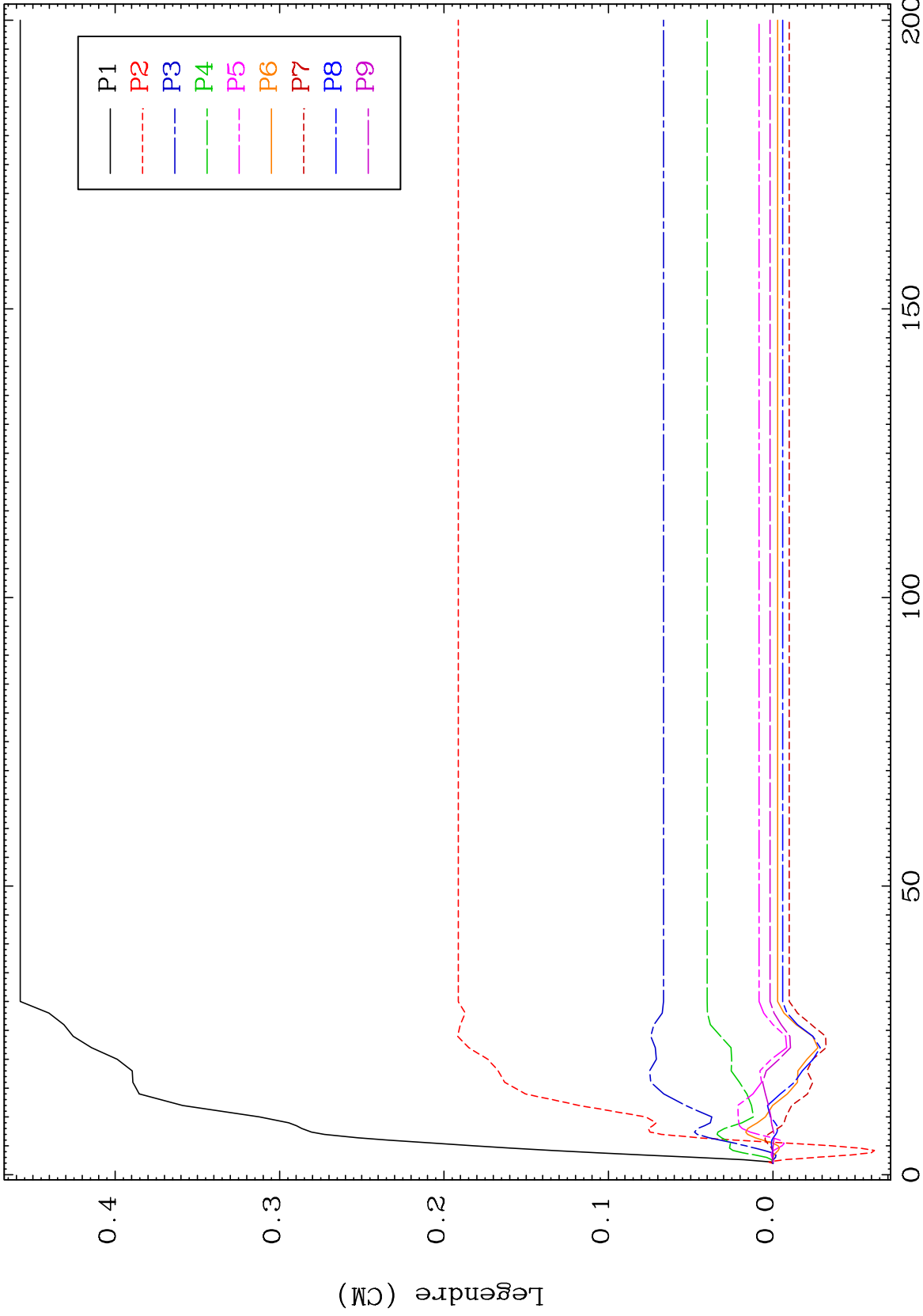
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



59-Pr-141

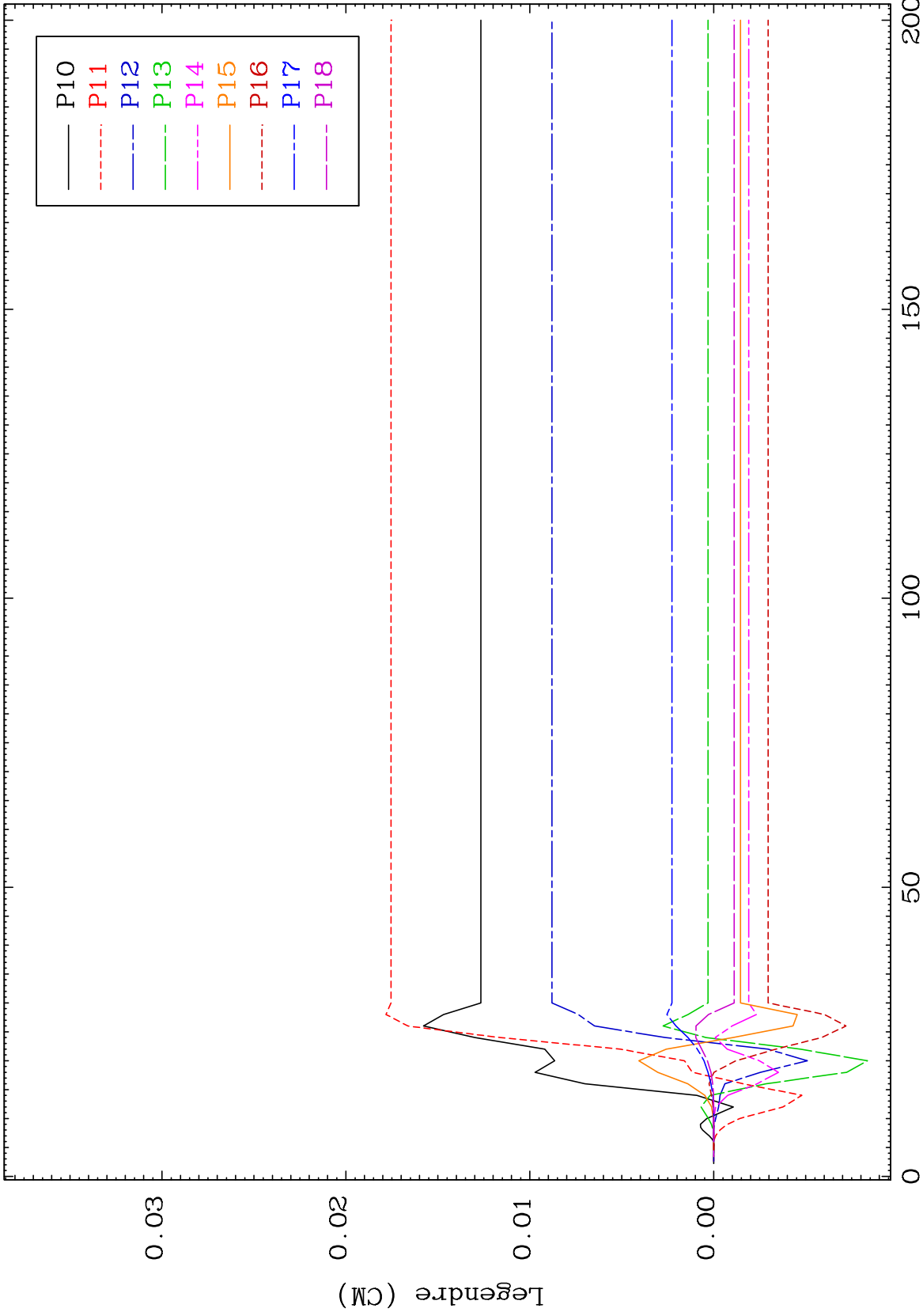
Incident Energy (MeV)

109

MAT 5925

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

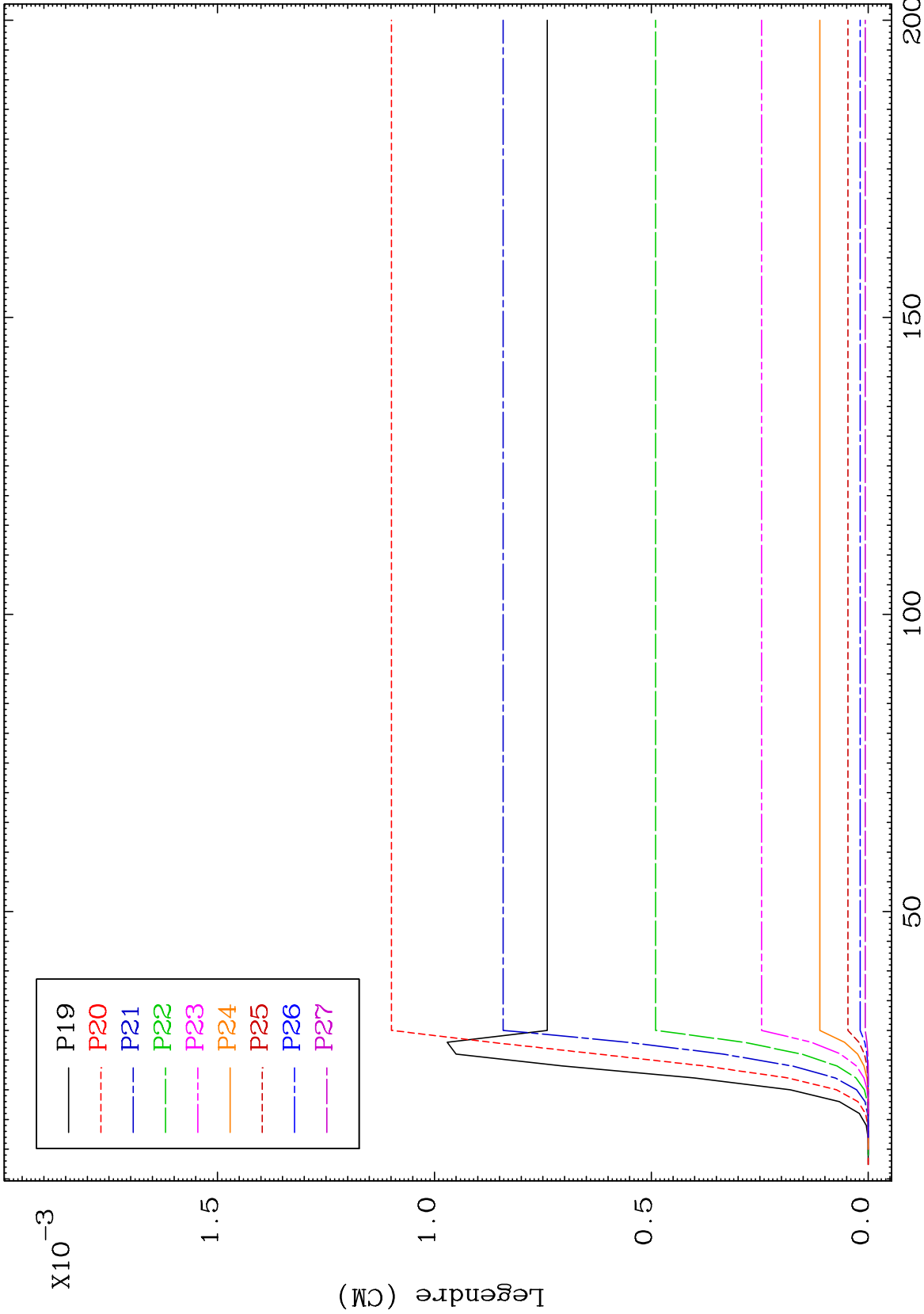
59-Pr-141



59-Pr-141

Incident Energy (MeV)

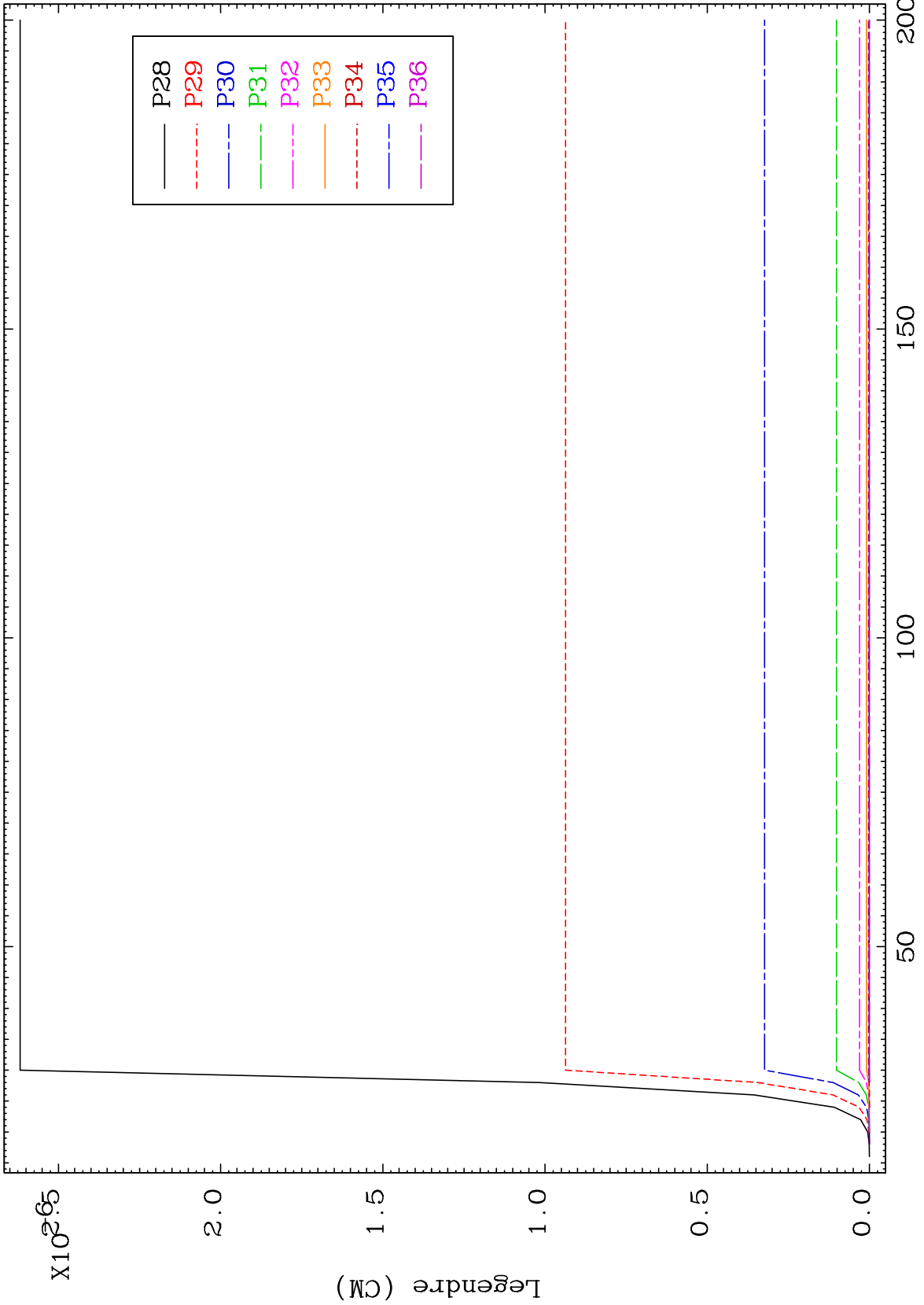
110



MAT 5925

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

59-Pr-141



112

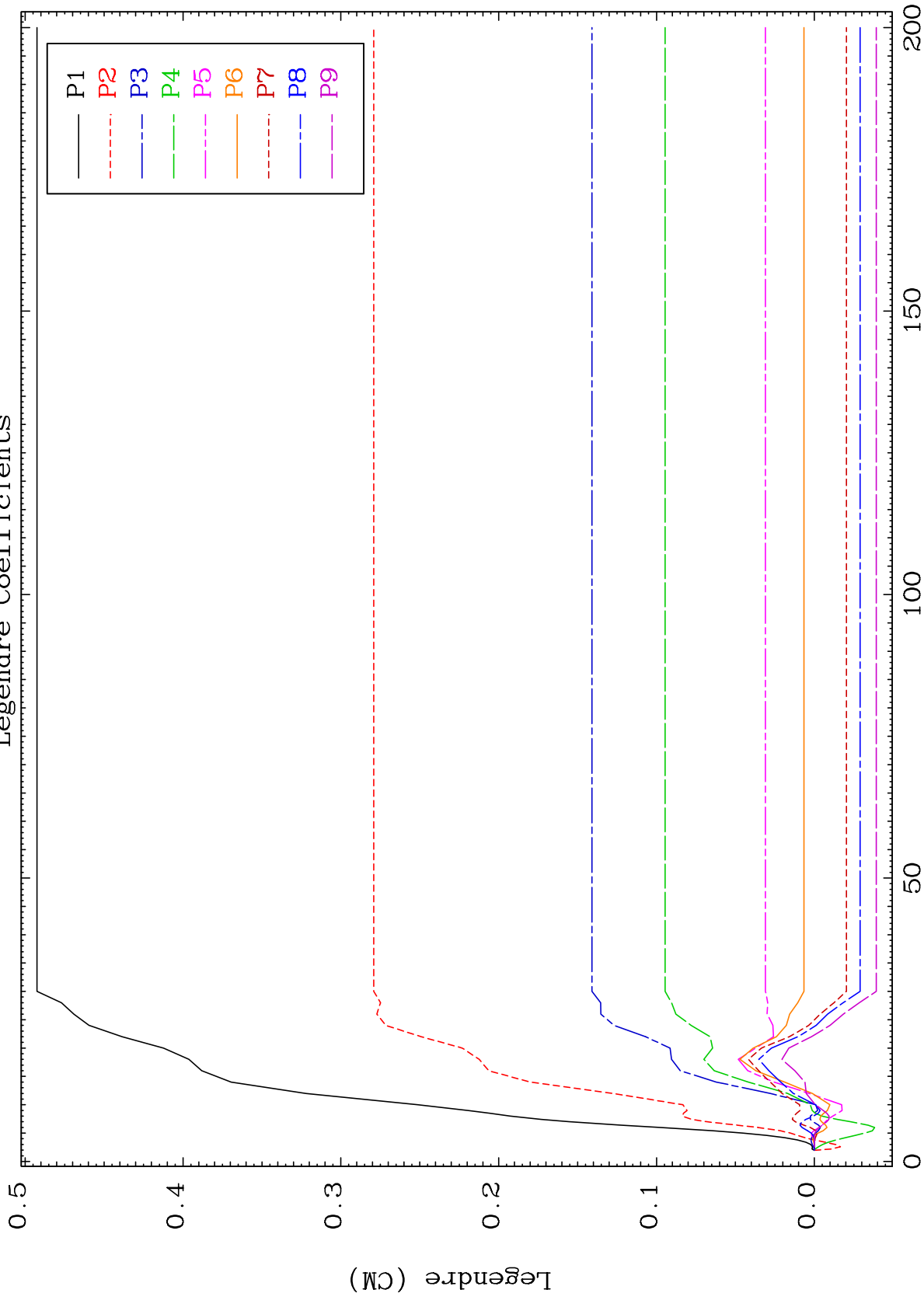
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



113

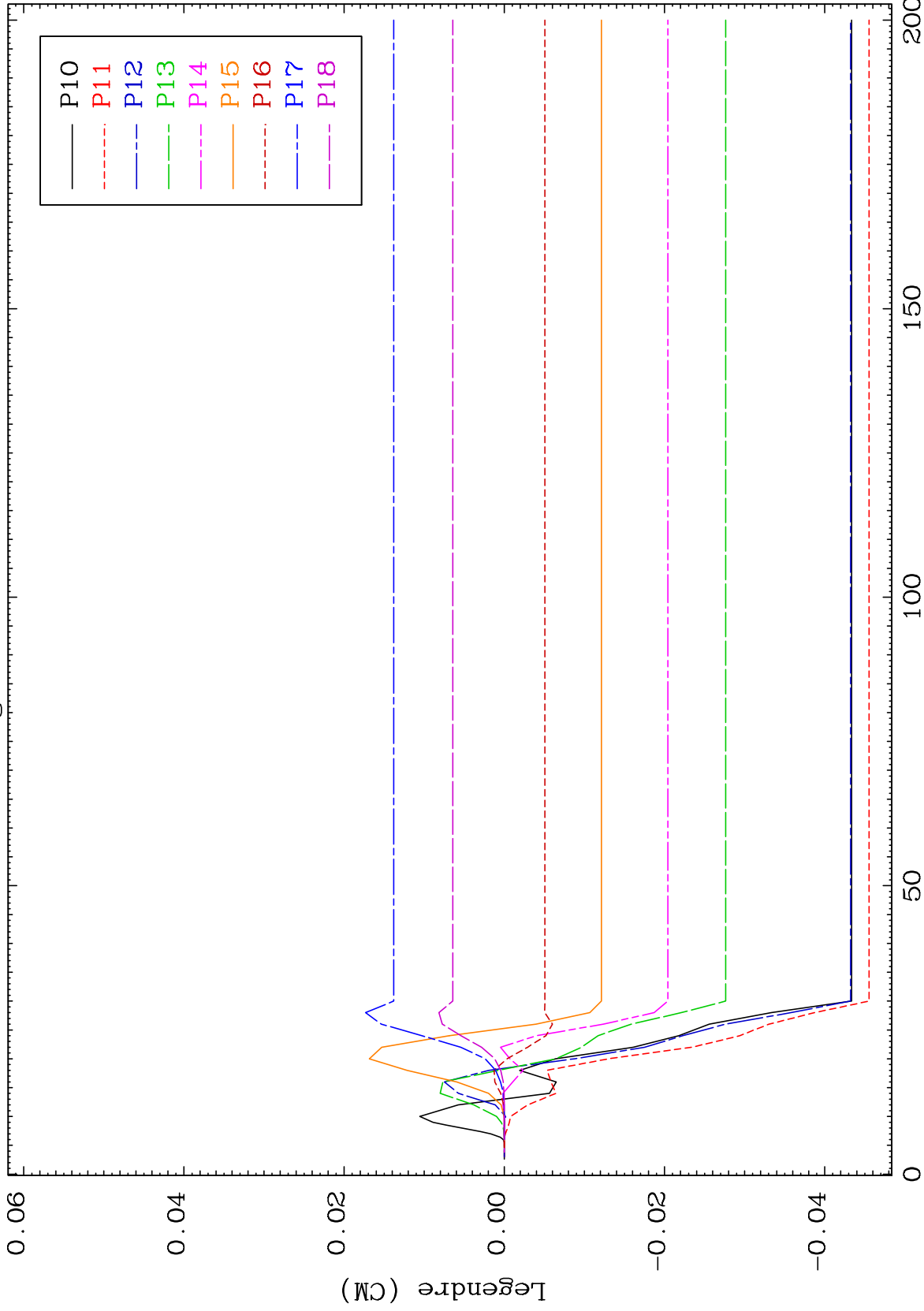
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



114

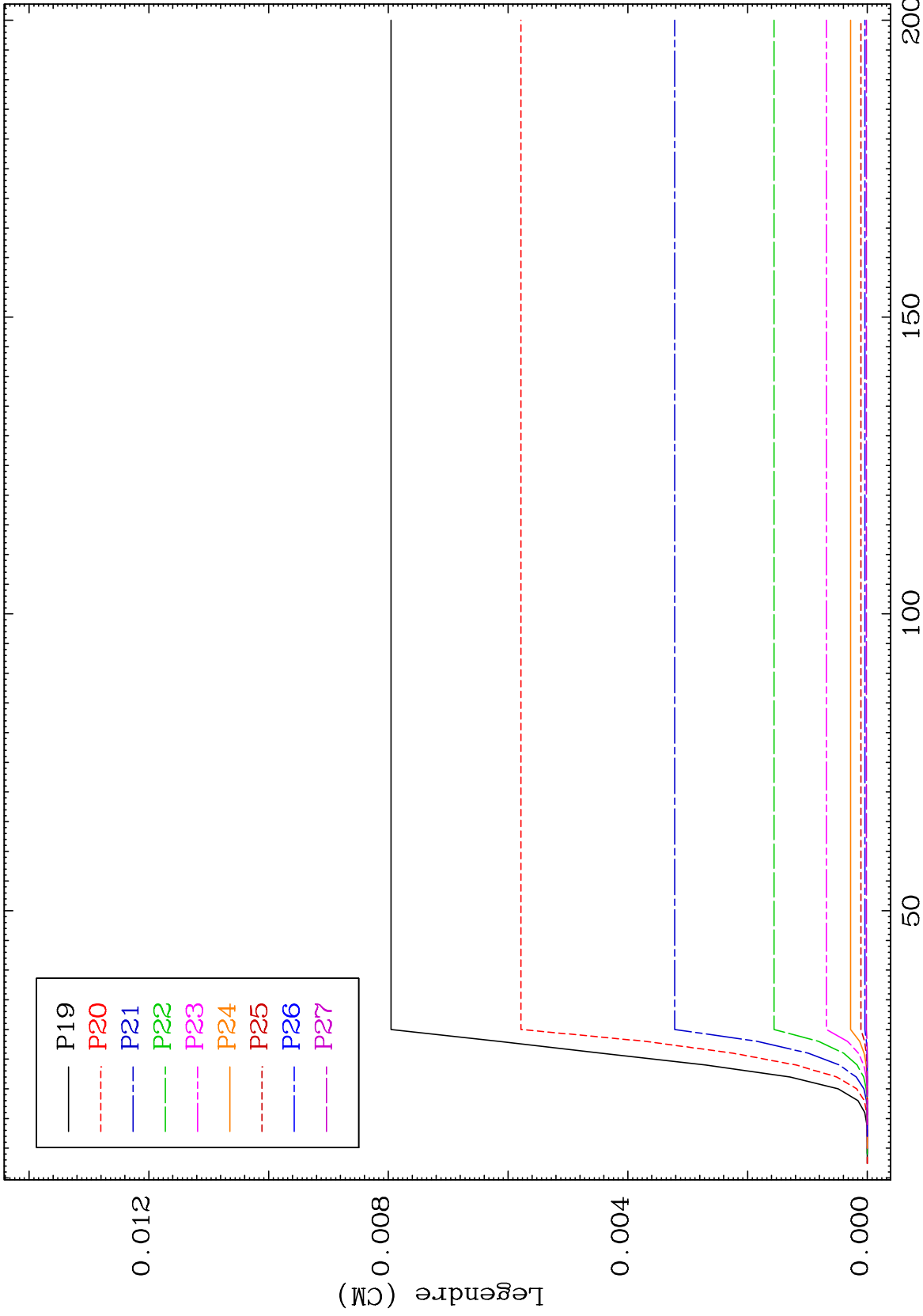
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



115

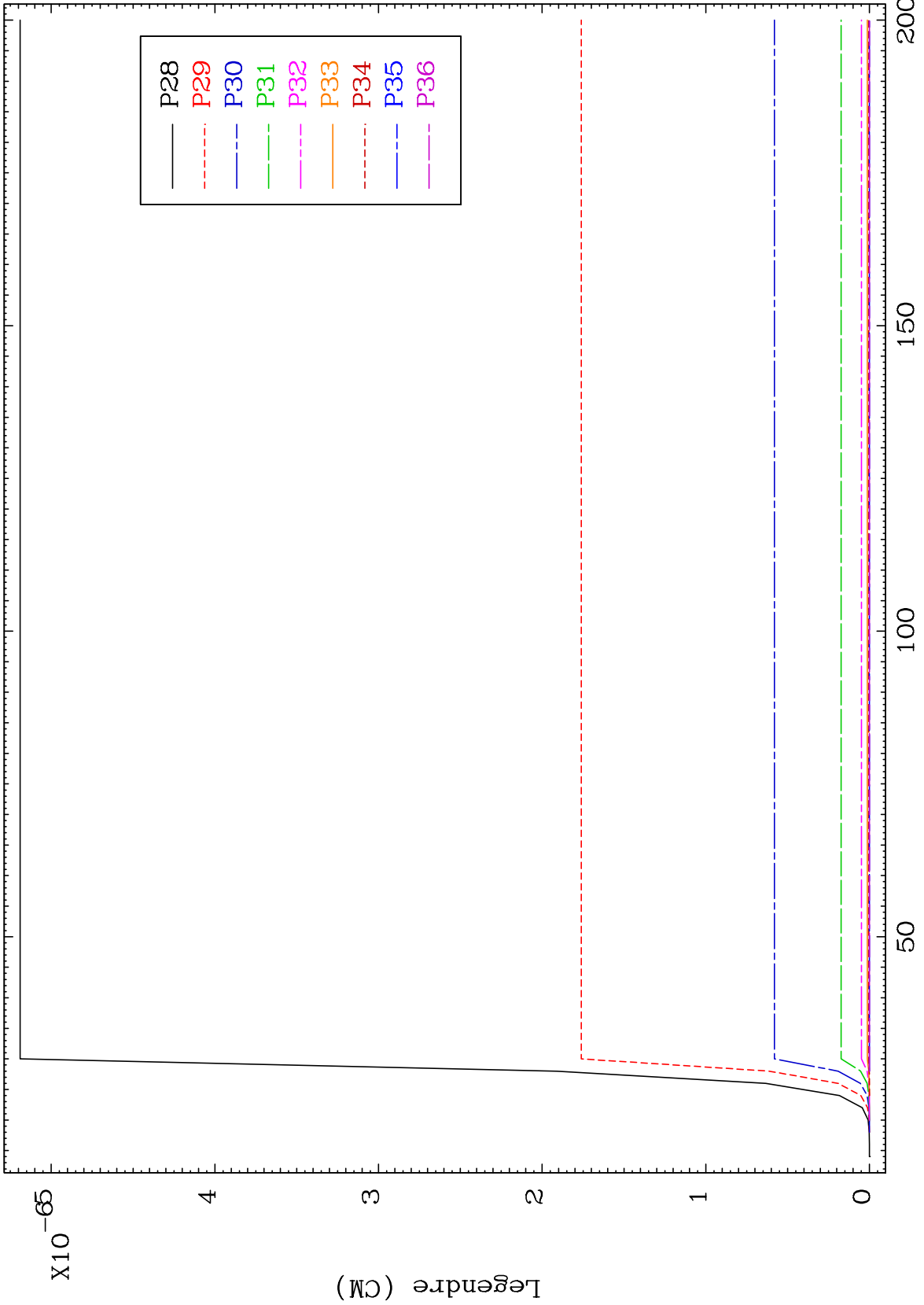
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



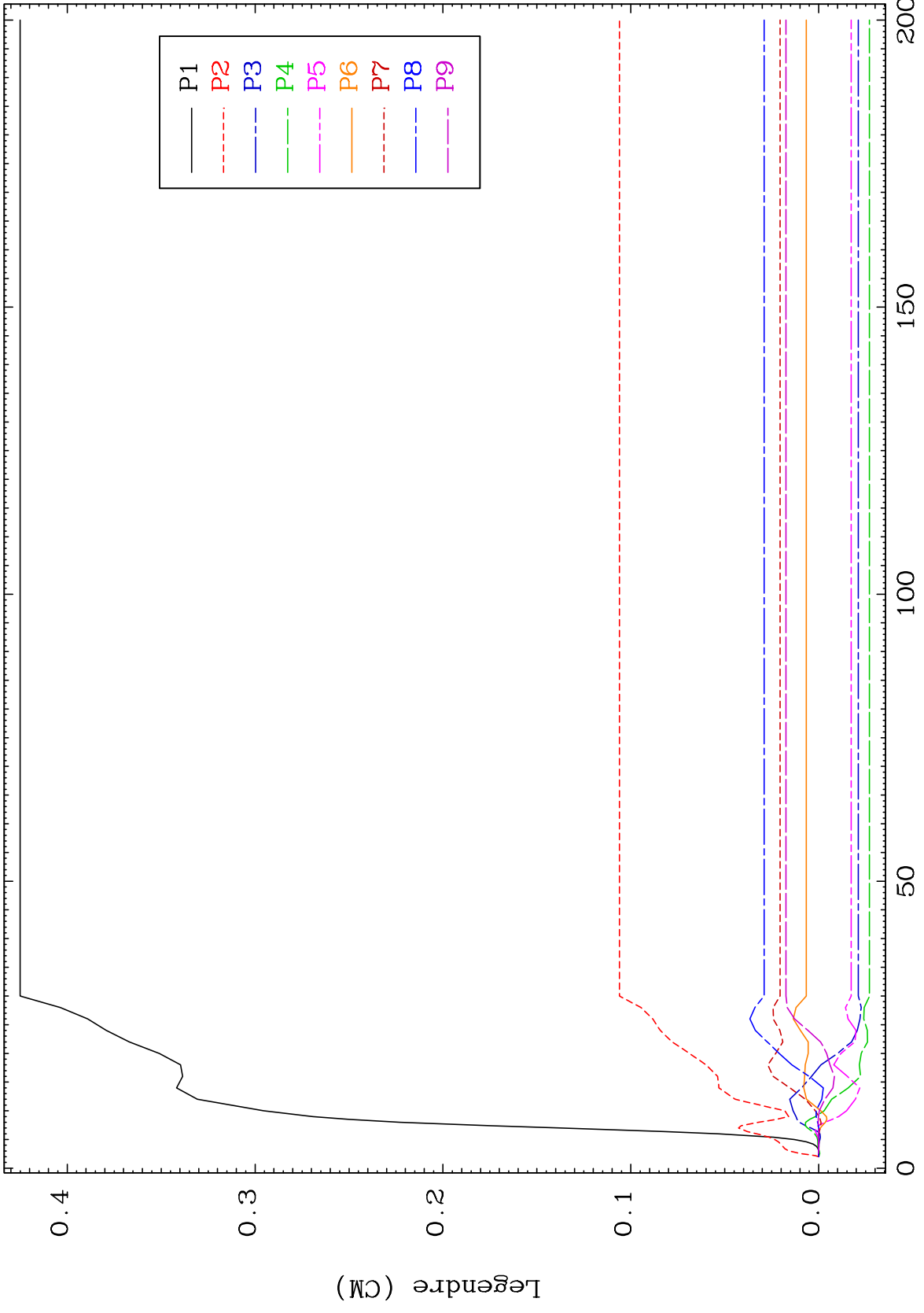
116

59-Pr-141

MAT 5925

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

59-Pr-141



59-Pr-141

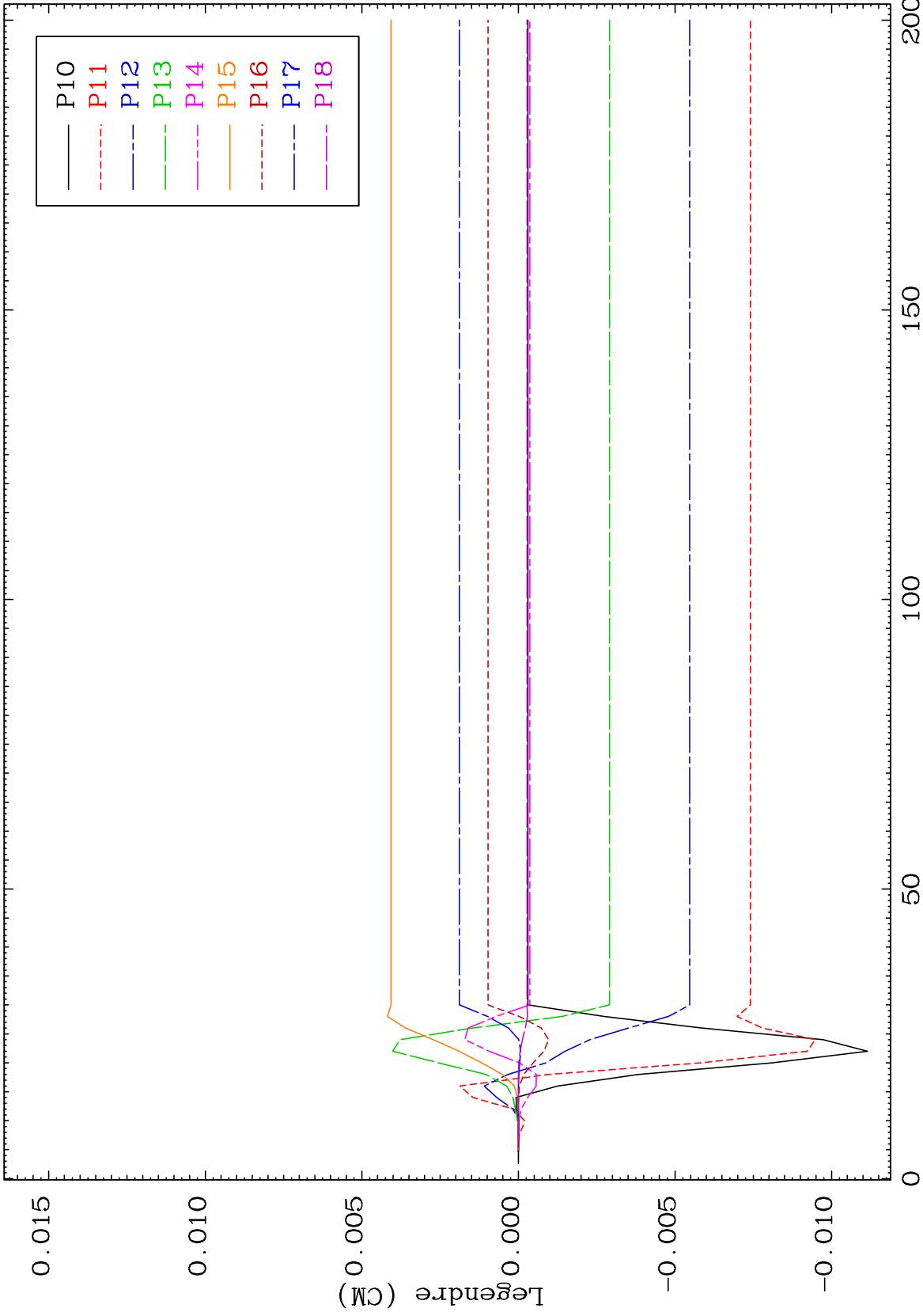
Incident Energy (MeV)

117

MAT 5925

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

59-Pr-141



118

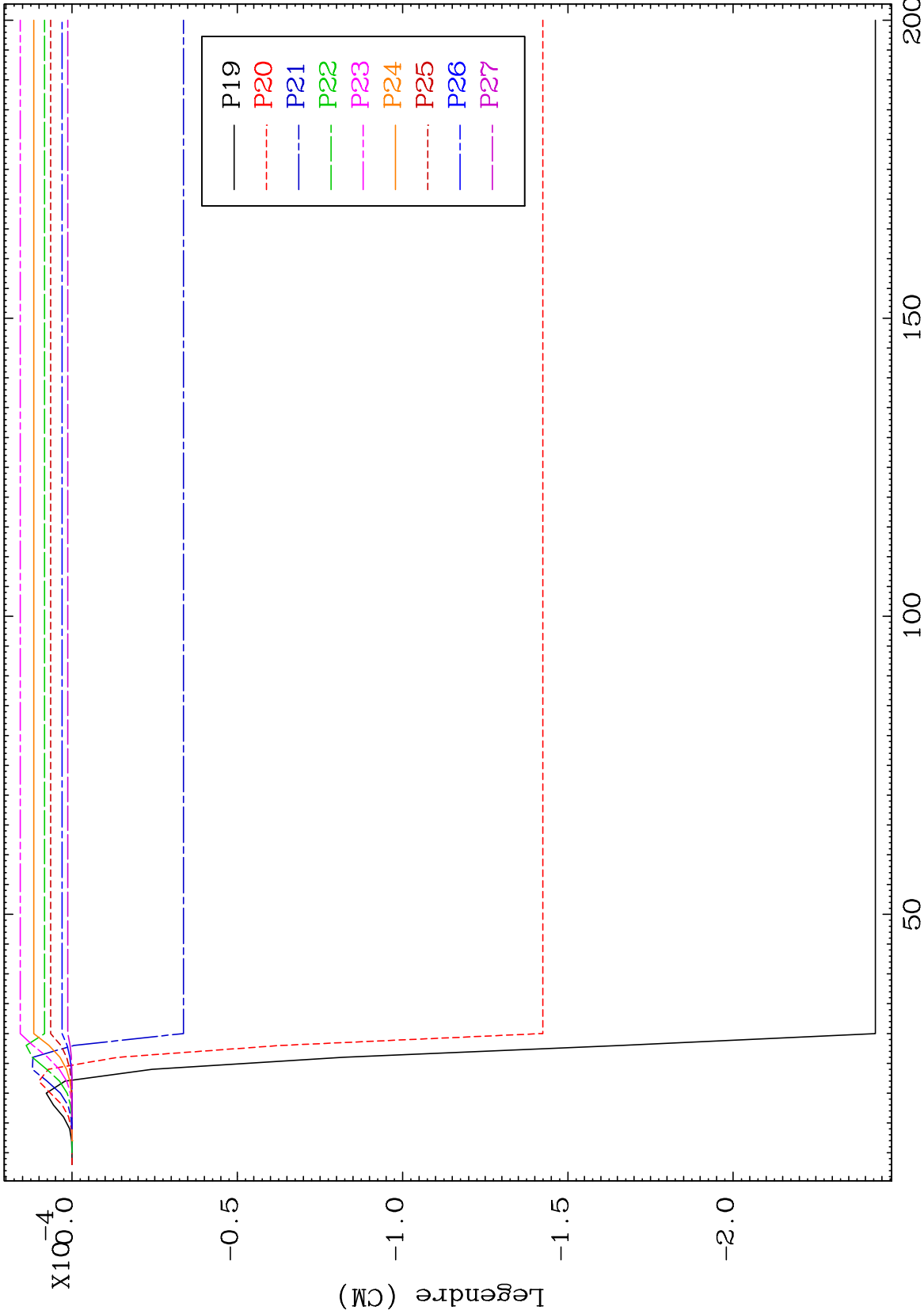
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



119

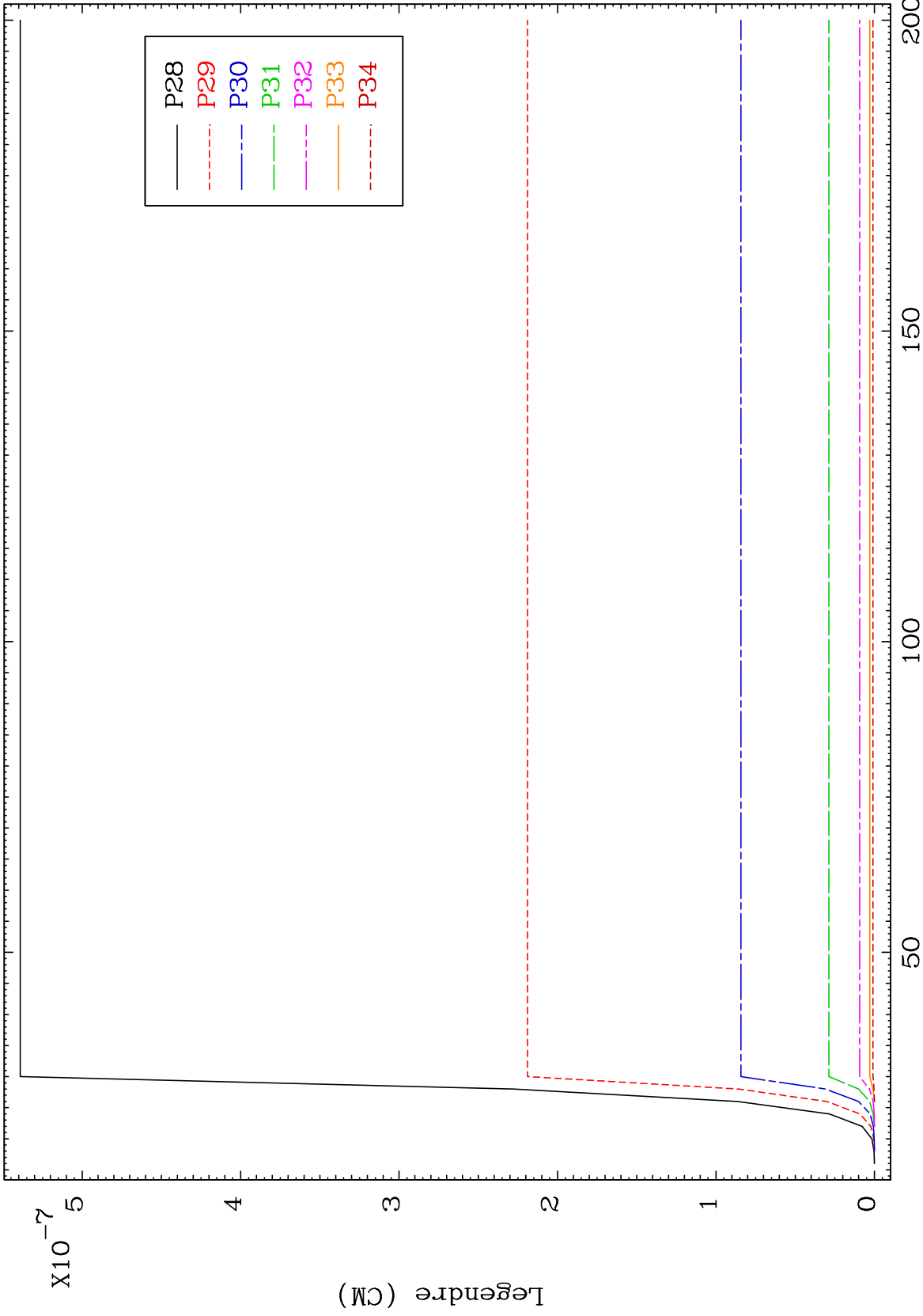
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



120

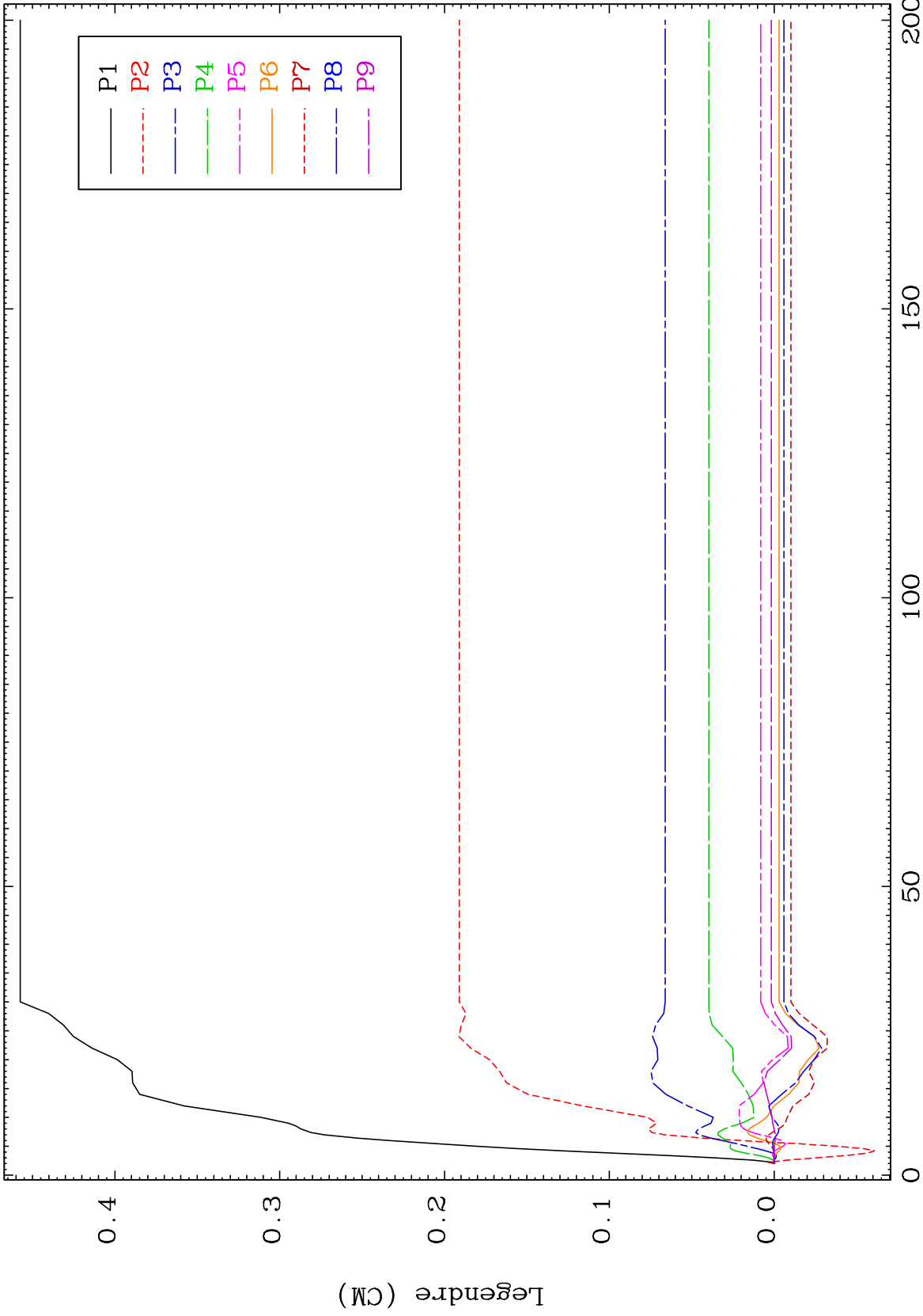
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



121

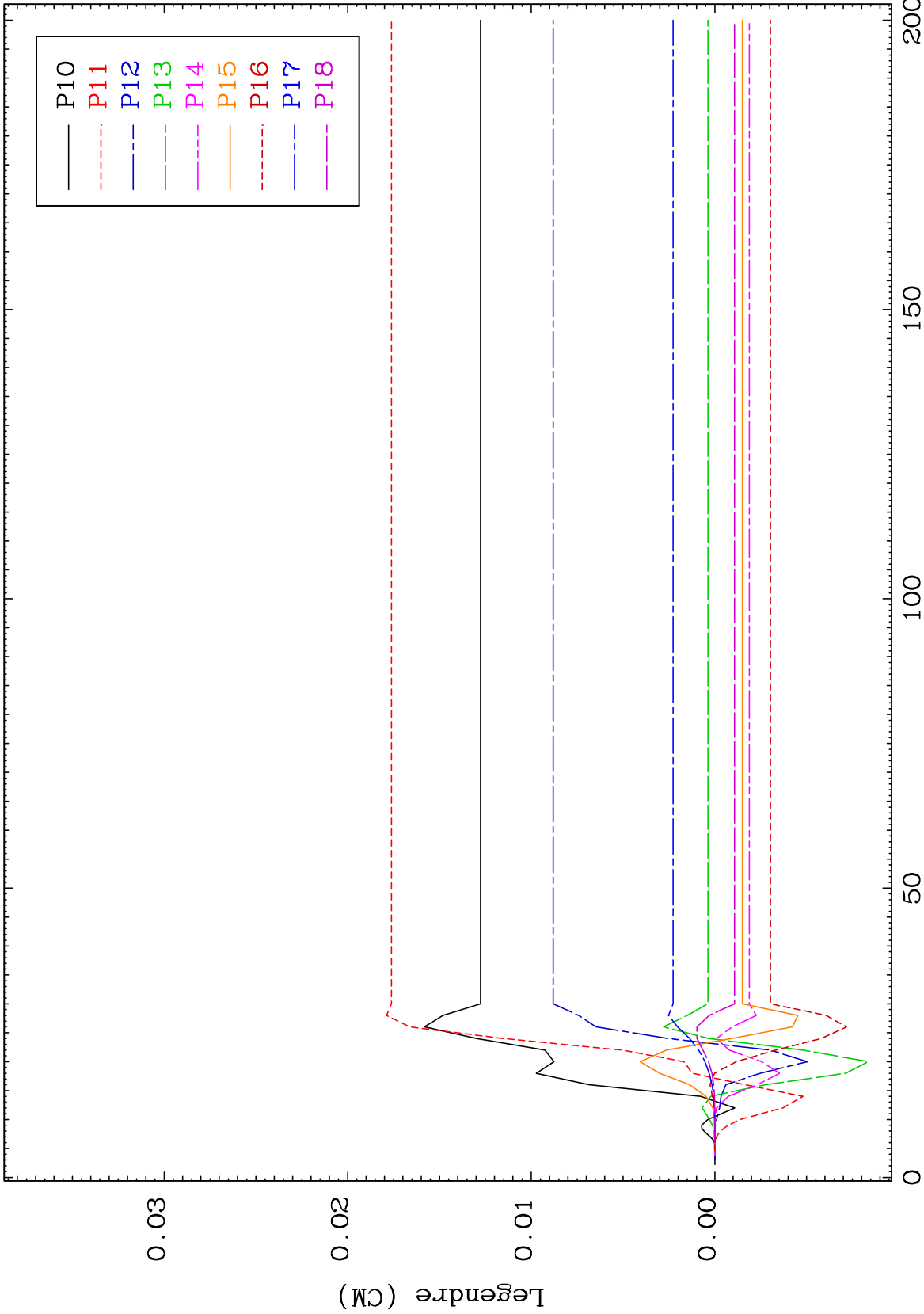
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

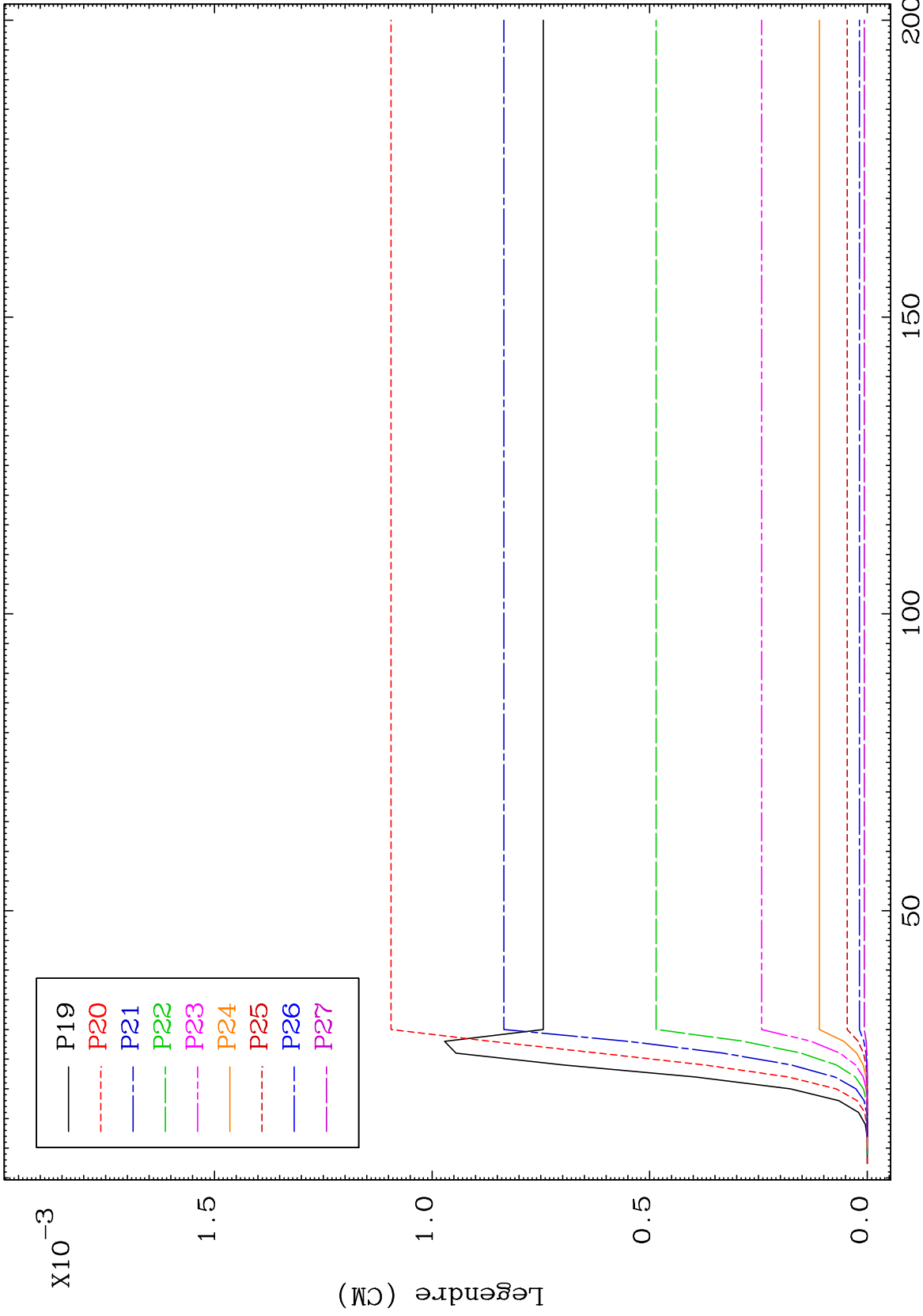
59-Pr-141



122

Incident Energy (MeV)

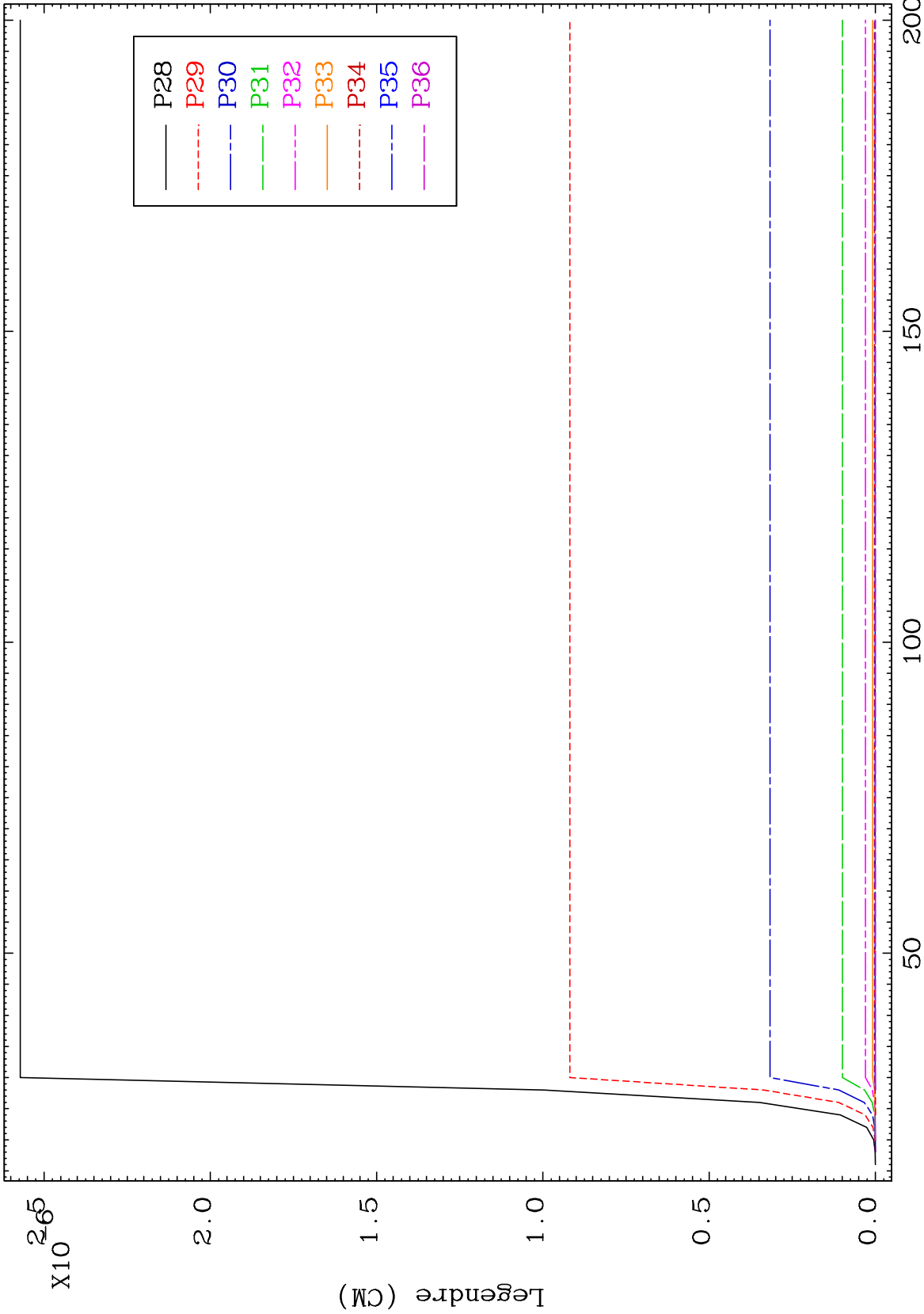
59-Pr-141



MAT 5925

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

59-Pr-141

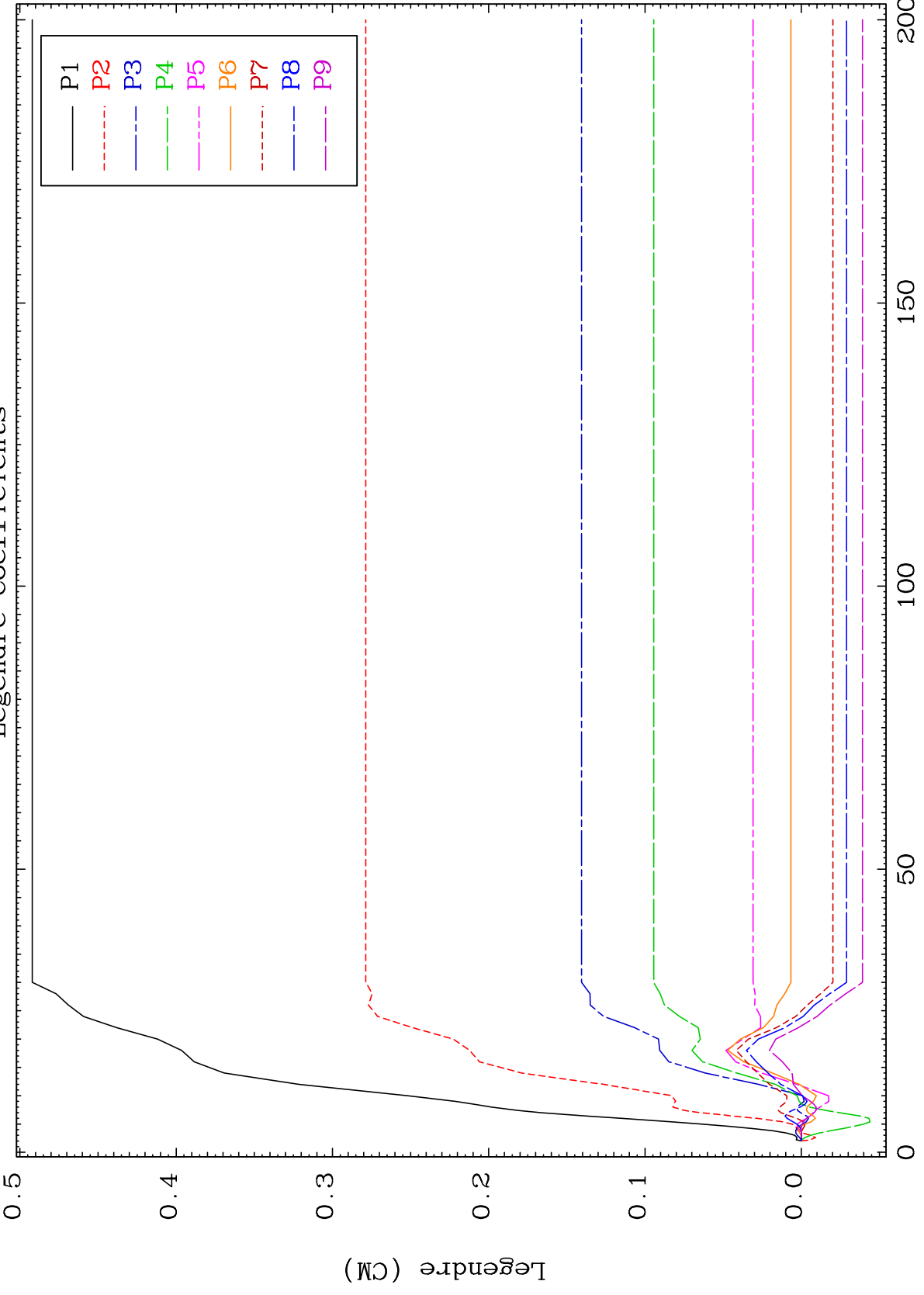


124

Incident Energy (MeV)

59-Pr-141

MAT 5925 MT= 78 (n,n') Level Legendre Coefficients 59-Pr-141

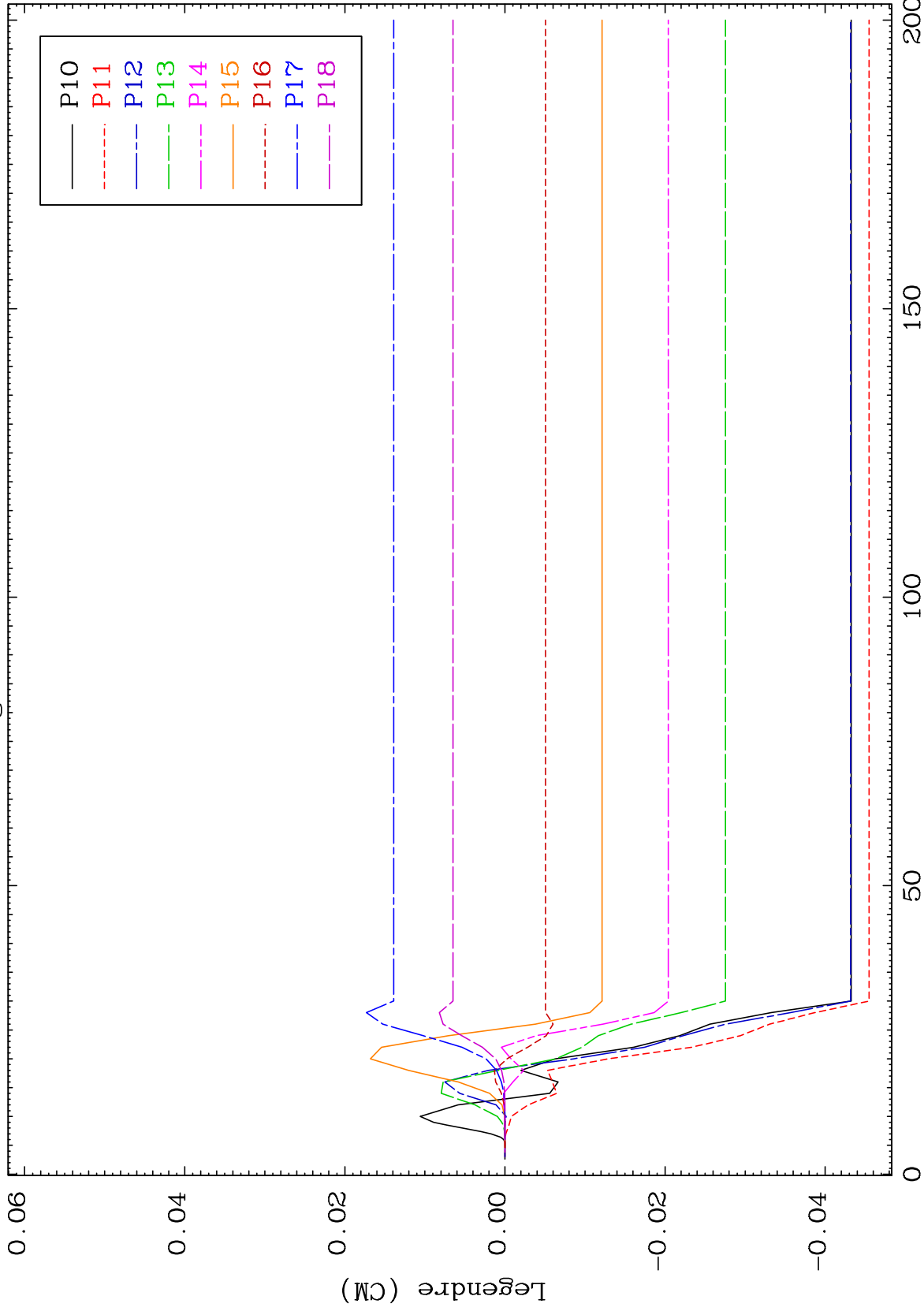


125 Incident Energy (MeV) 59-Pr-141

MAT 5925

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

59-Pr-141



126

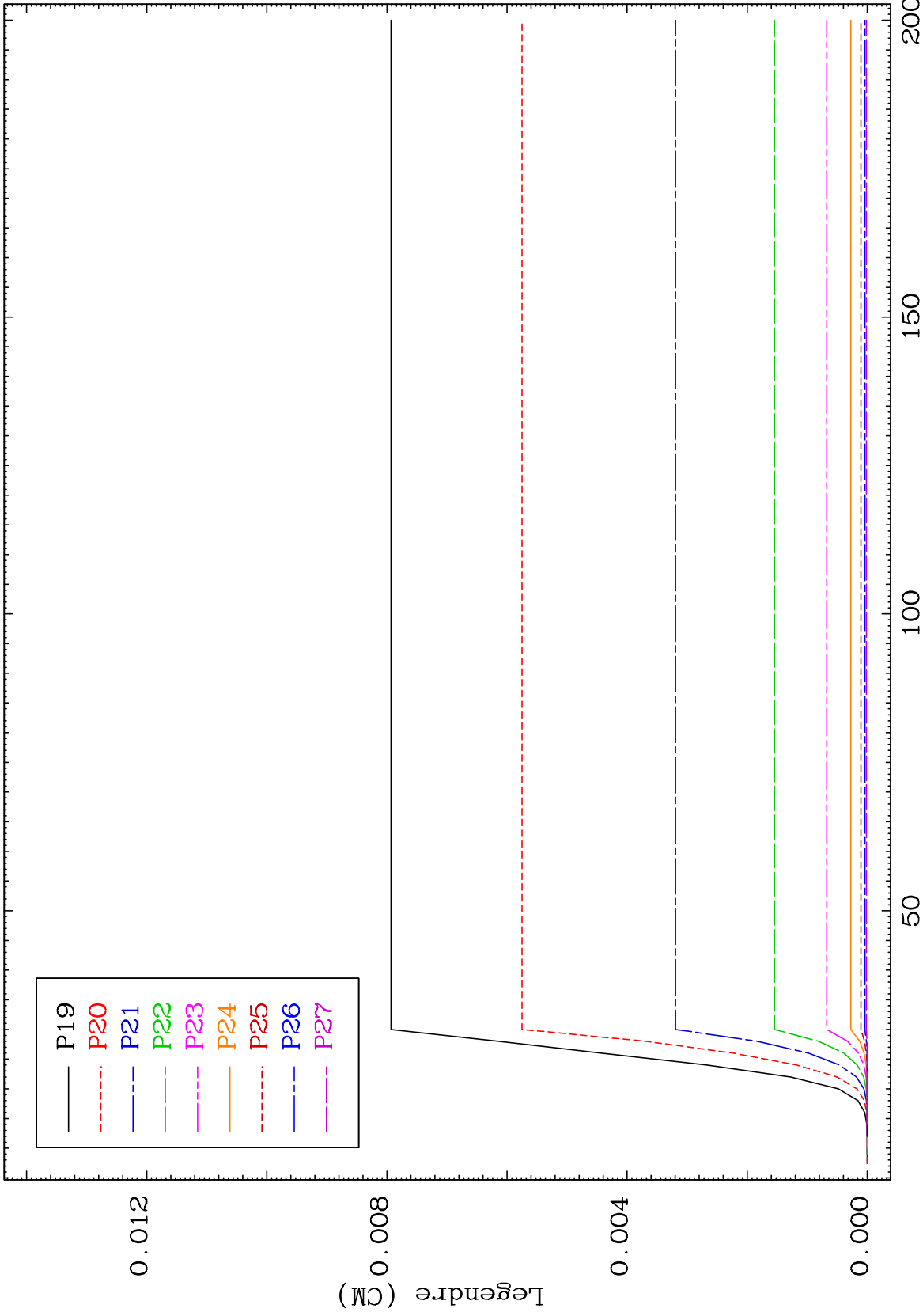
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

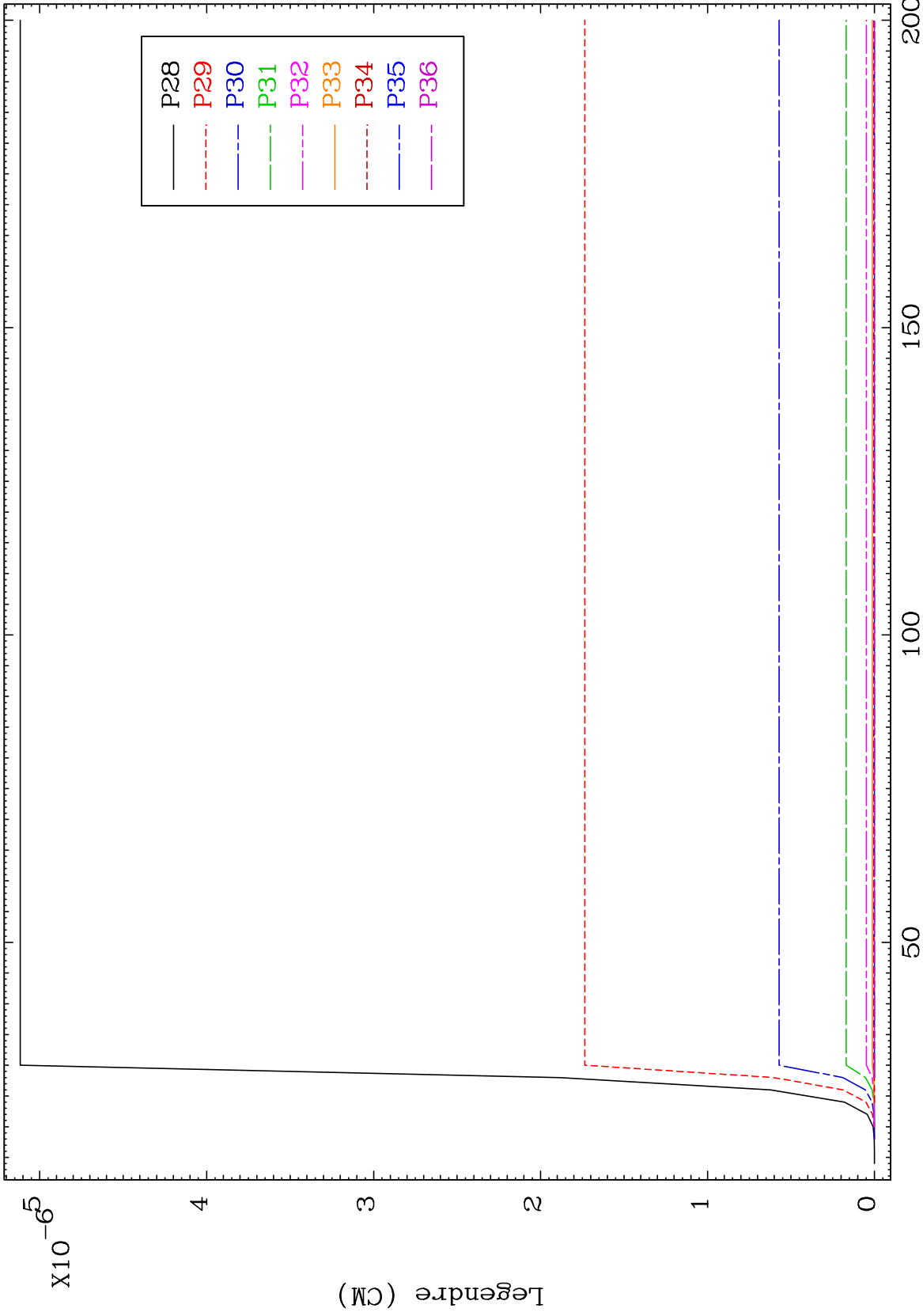
59-Pr-141



127

Incident Energy (MeV)

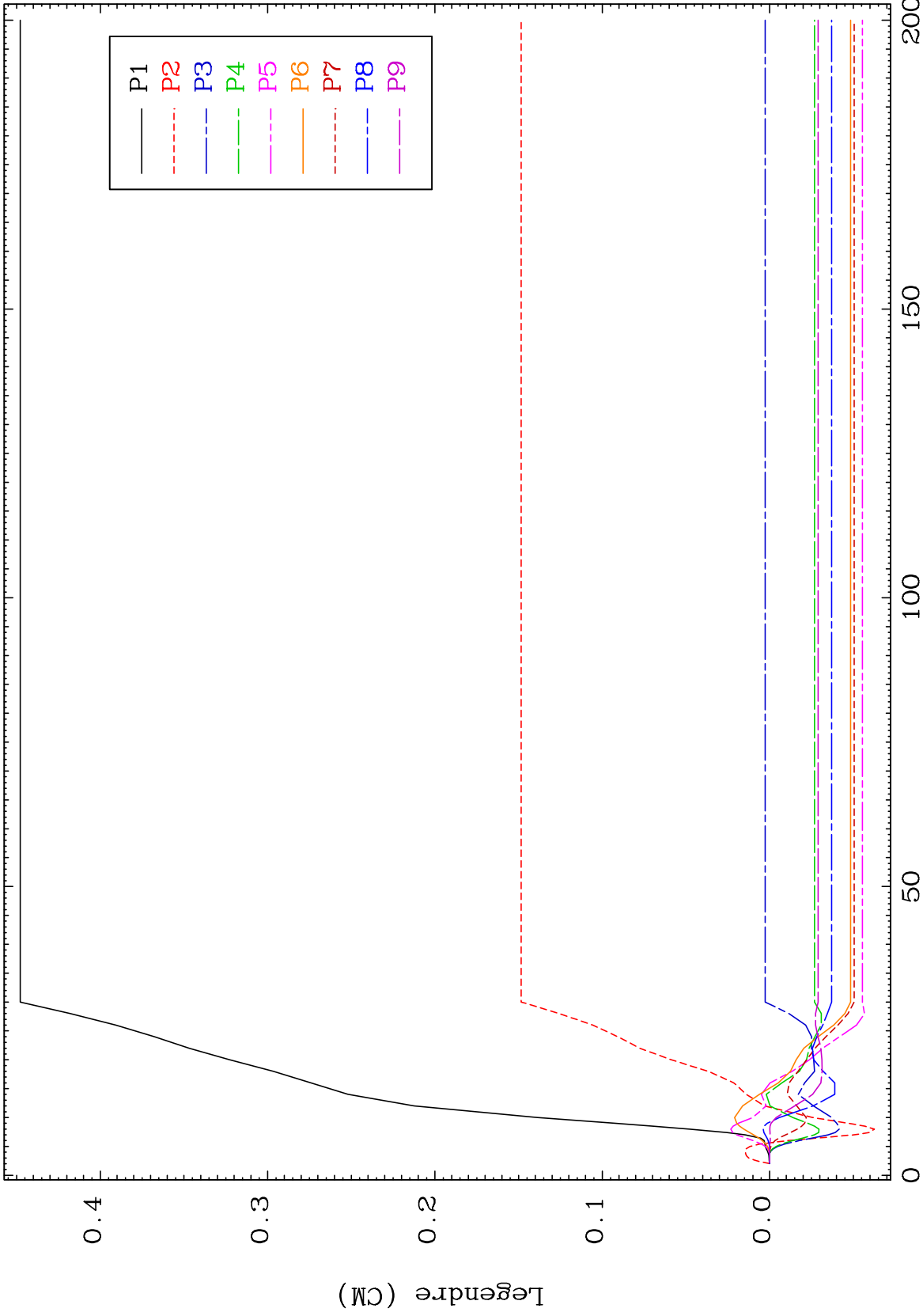
59-Pr-141



MAT 5925

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

59-Pr-141



59-Pr-141

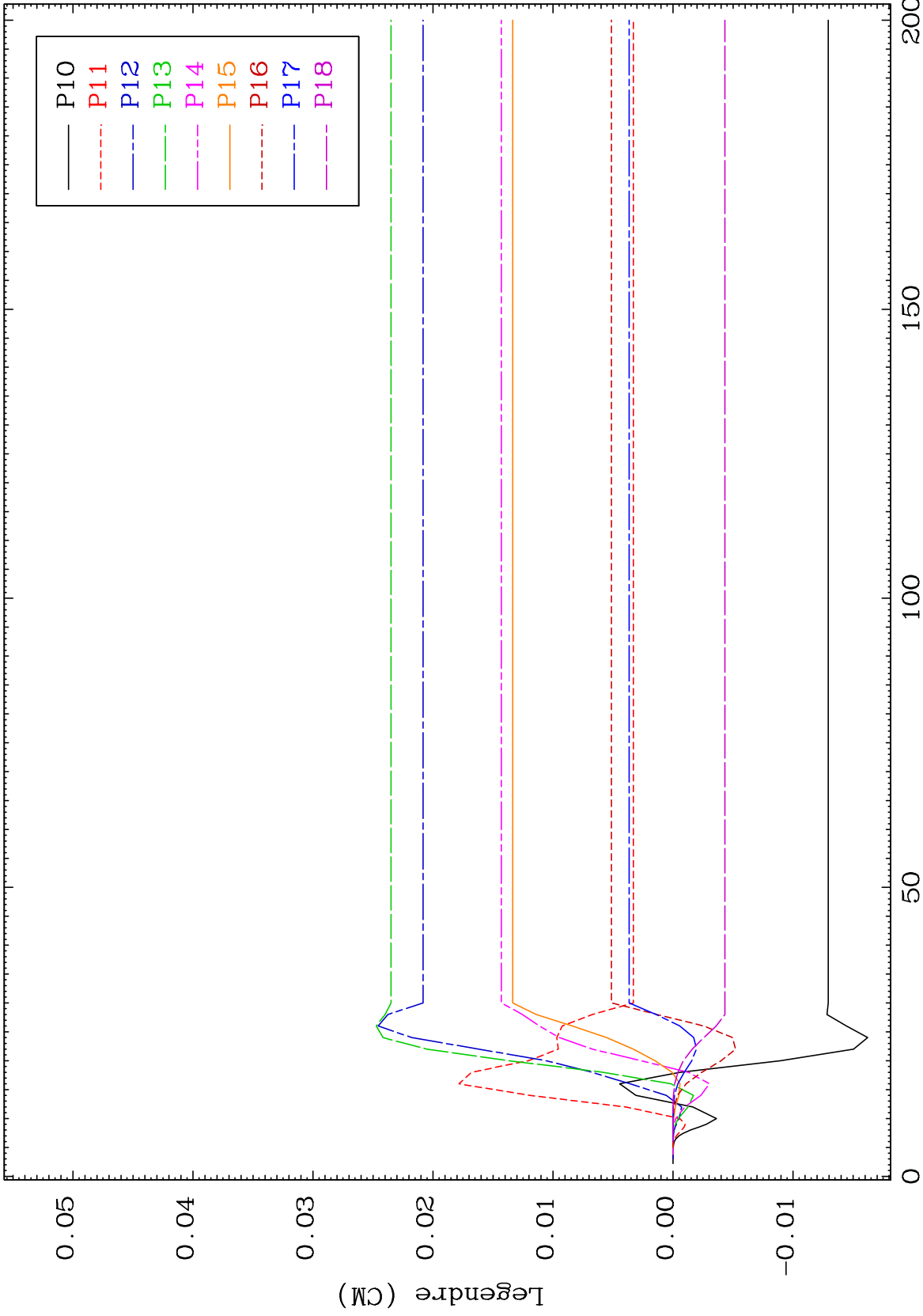
Incident Energy (MeV)

129

MAT 5925

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

59-Pr-141



130

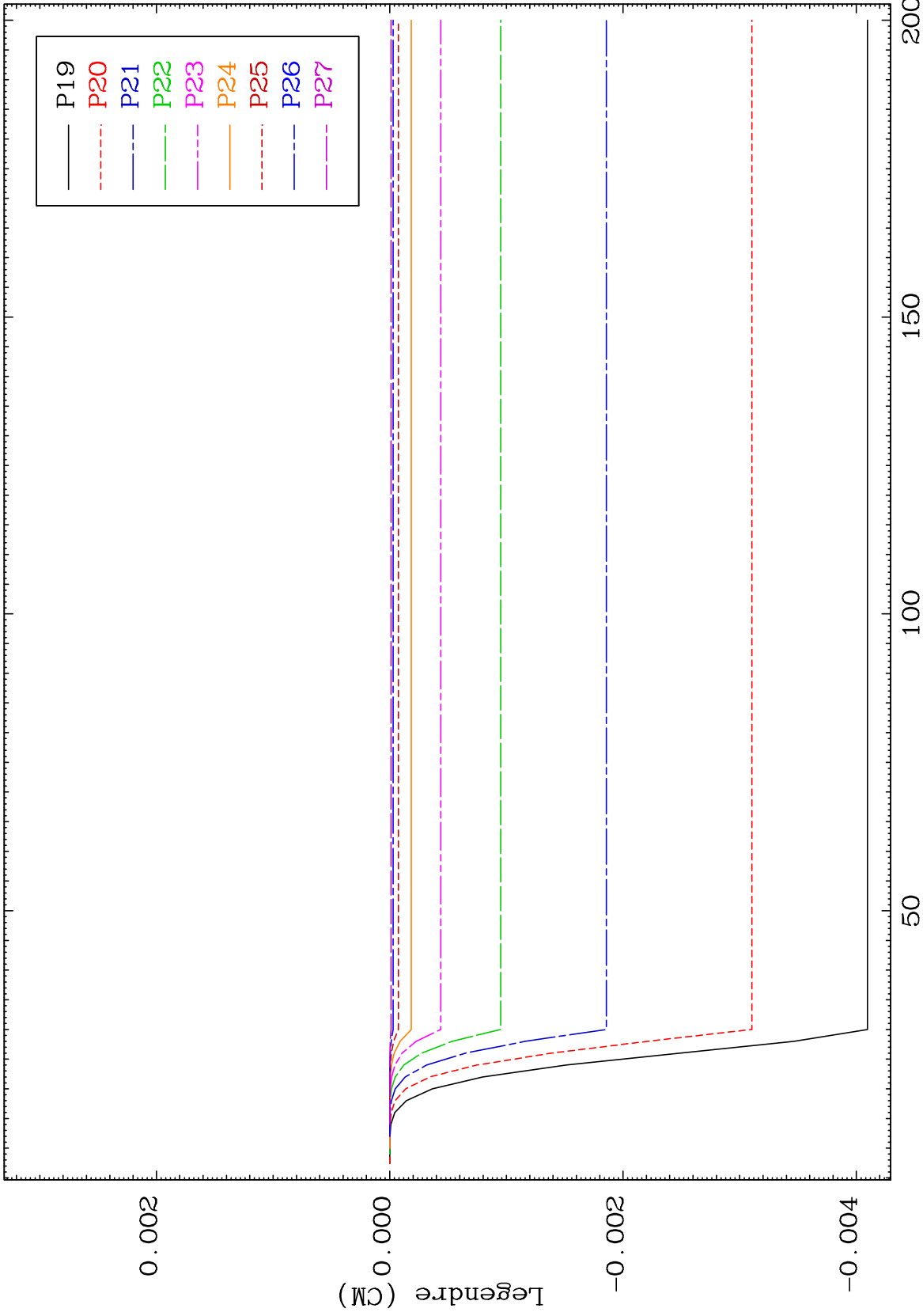
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



131

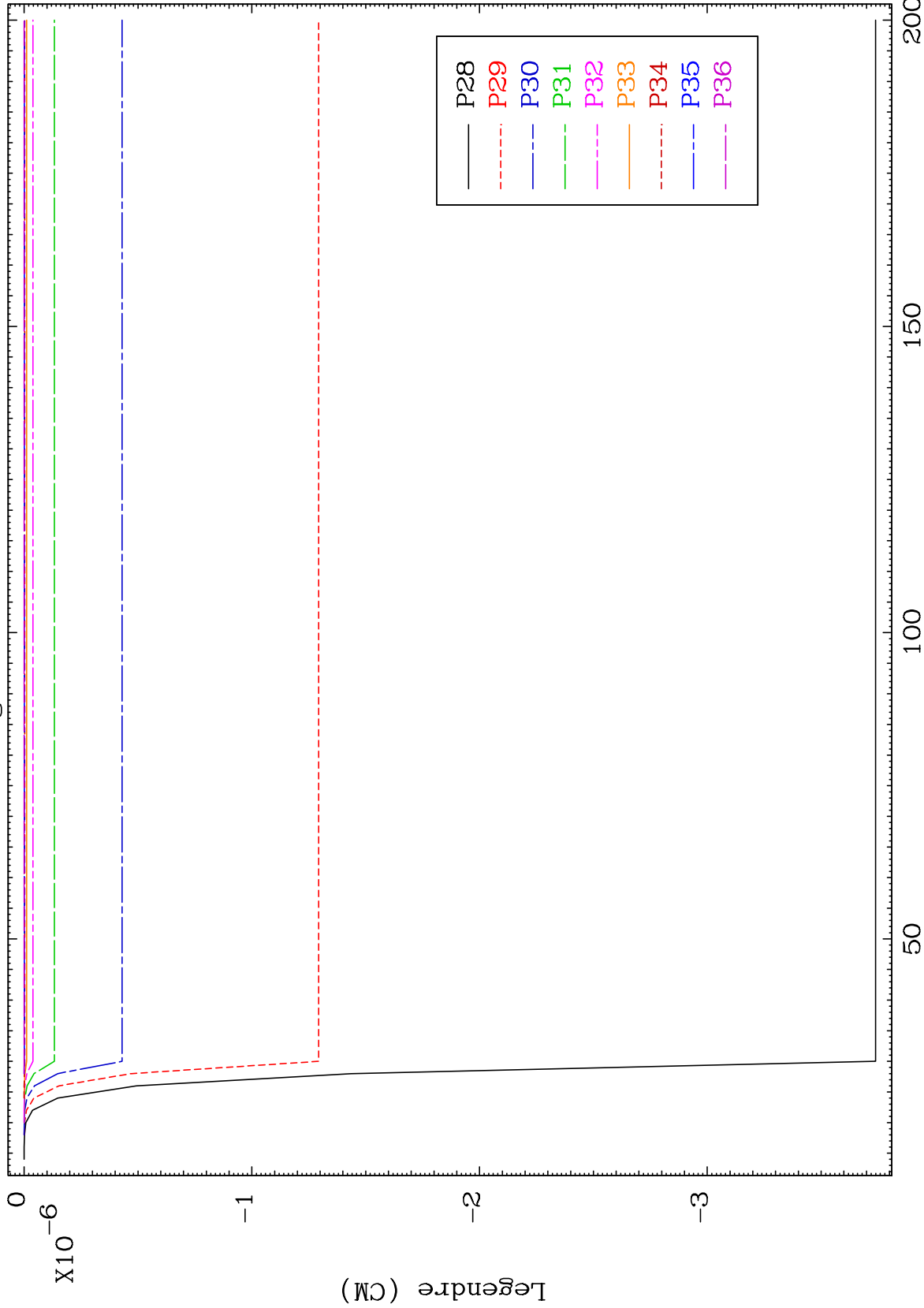
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



132

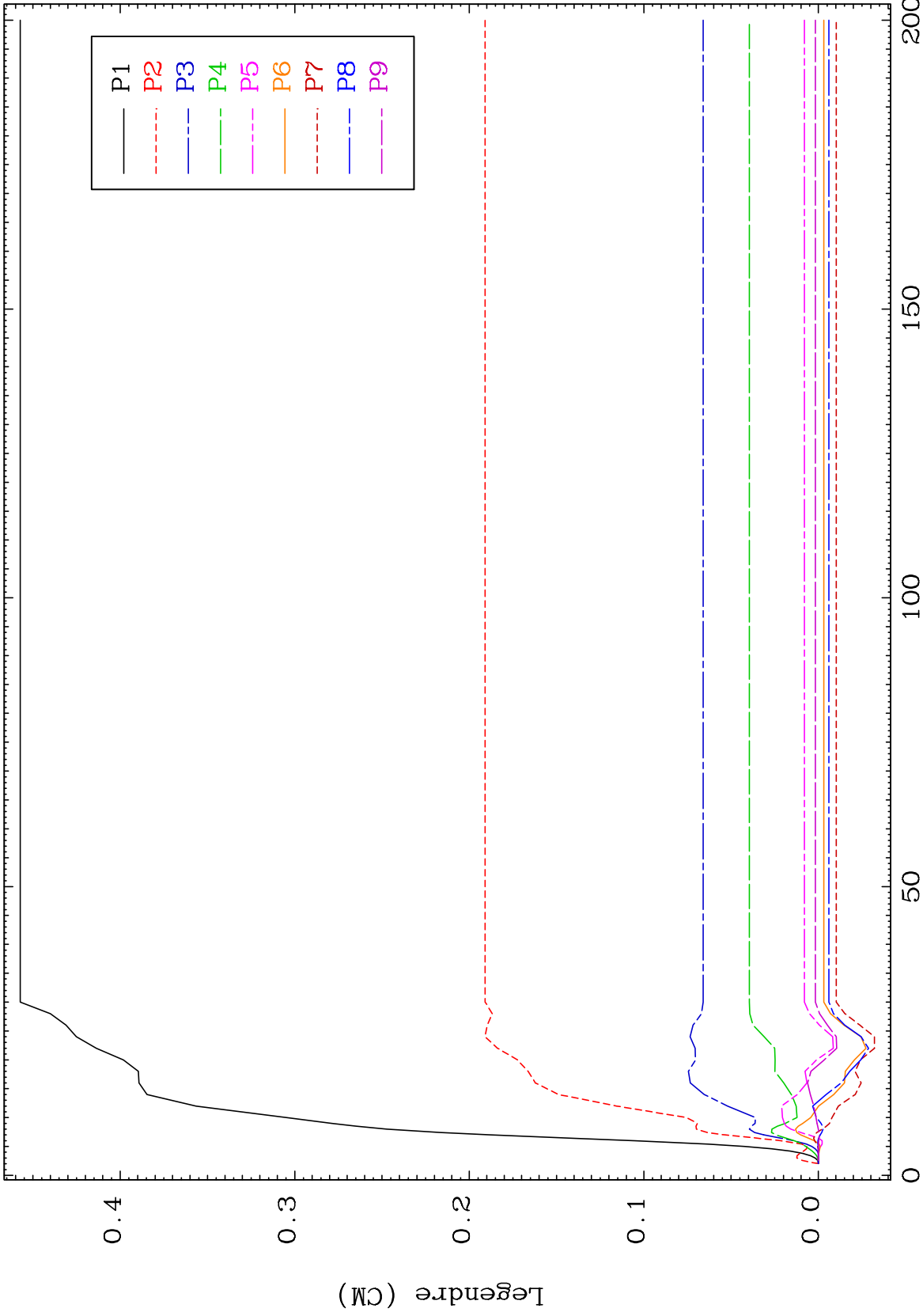
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

59-Pr-141



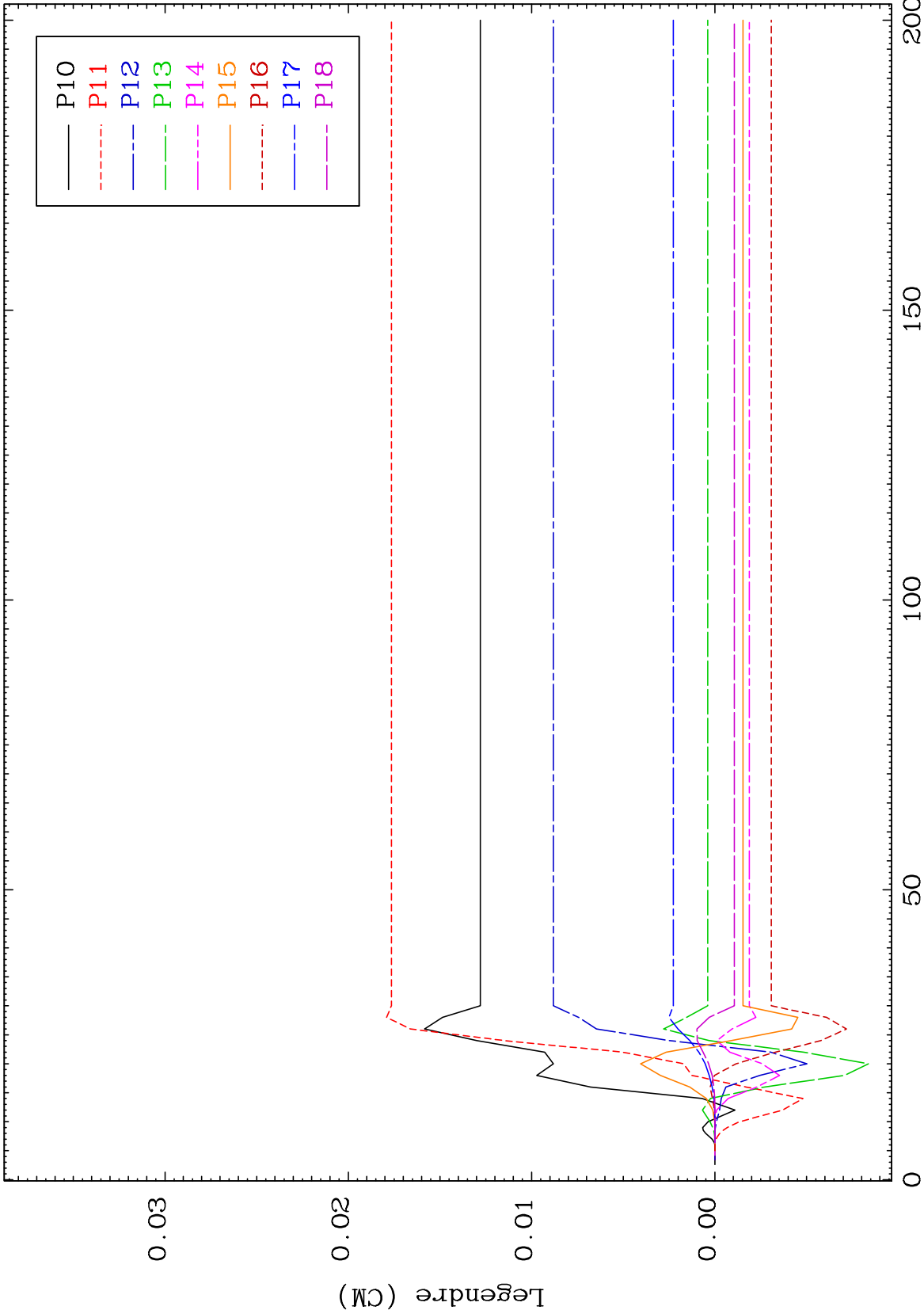
133

59-Pr-141

MAT 5925

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

59-Pr-141



134

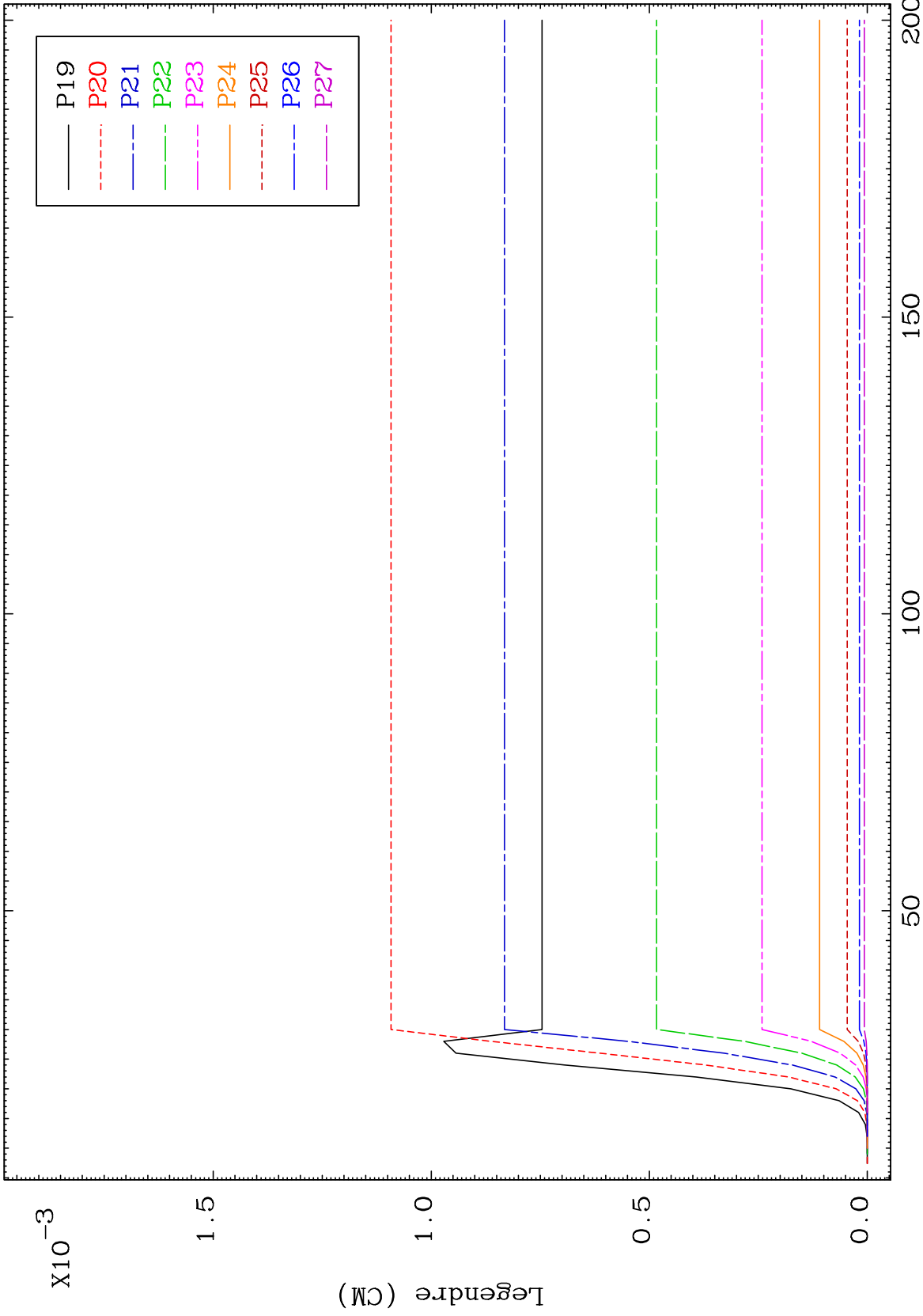
Incident Energy (MeV)

59-Pr-141

MAT 5925

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

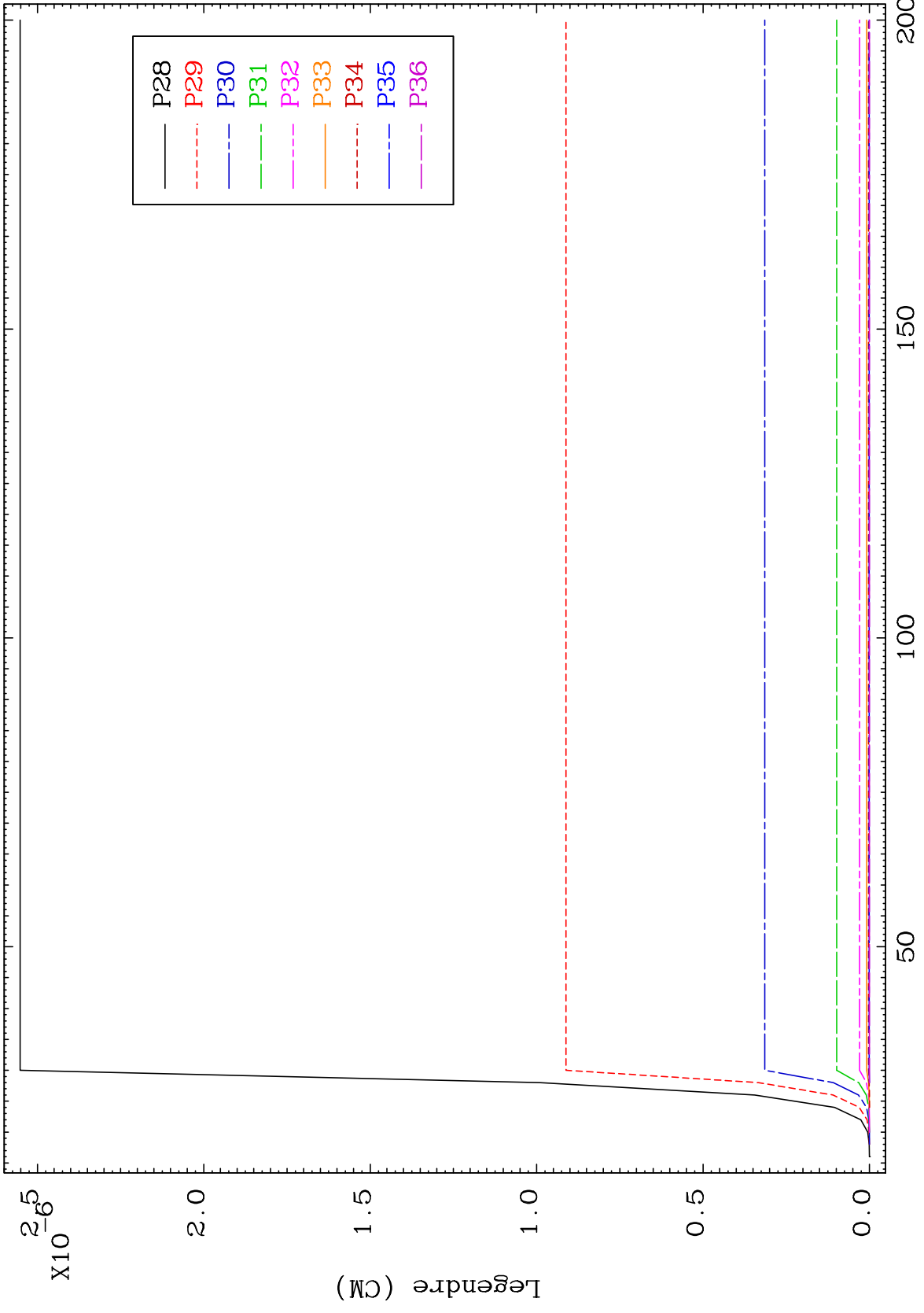
59-Pr-141



135

Incident Energy (MeV)

59-Pr-141

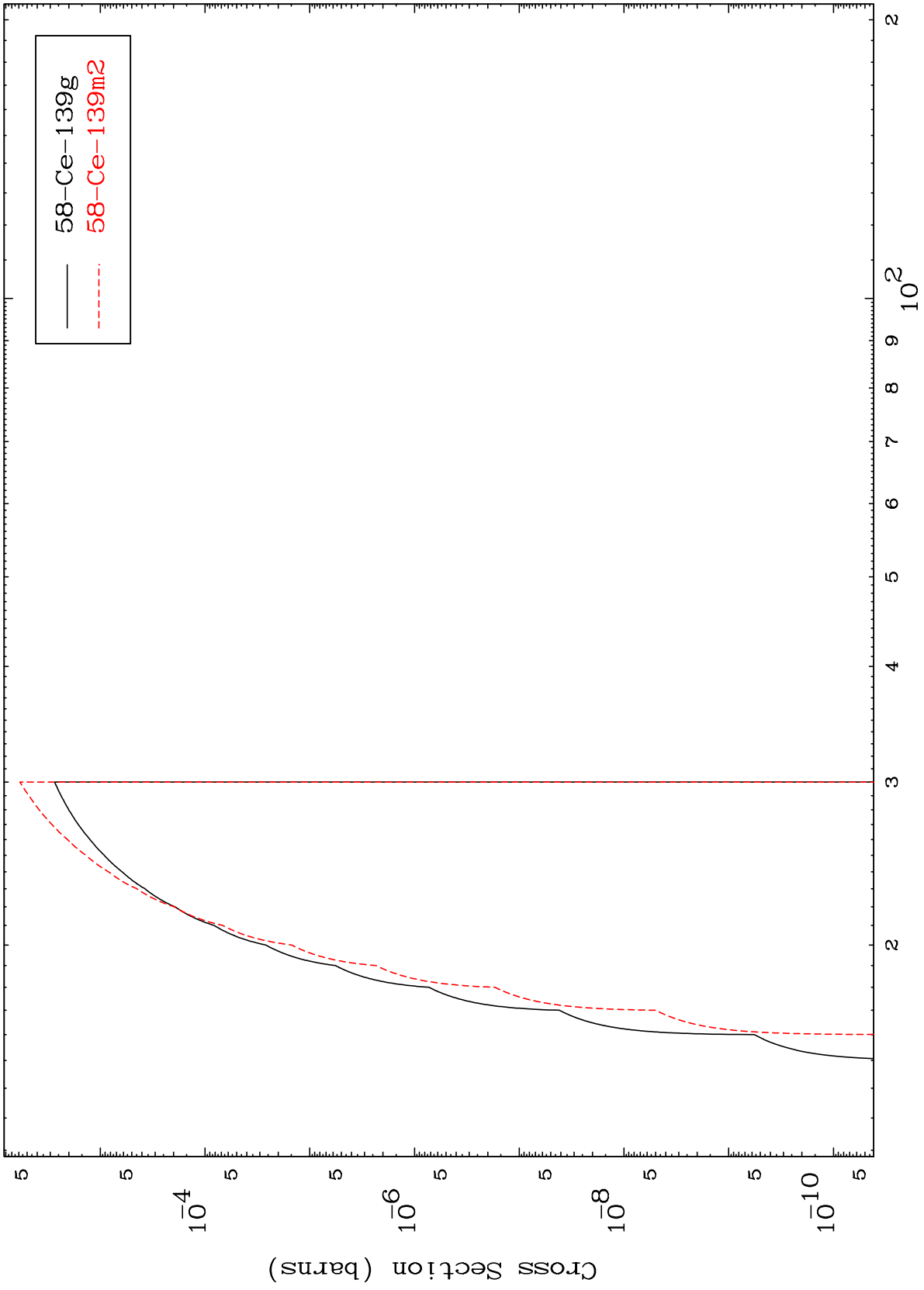


MAT 5925

(n,n') d

59-Pr-141

Radionuclide Production Cross Section



58-Ce-139g
58-Ce-139m2

137

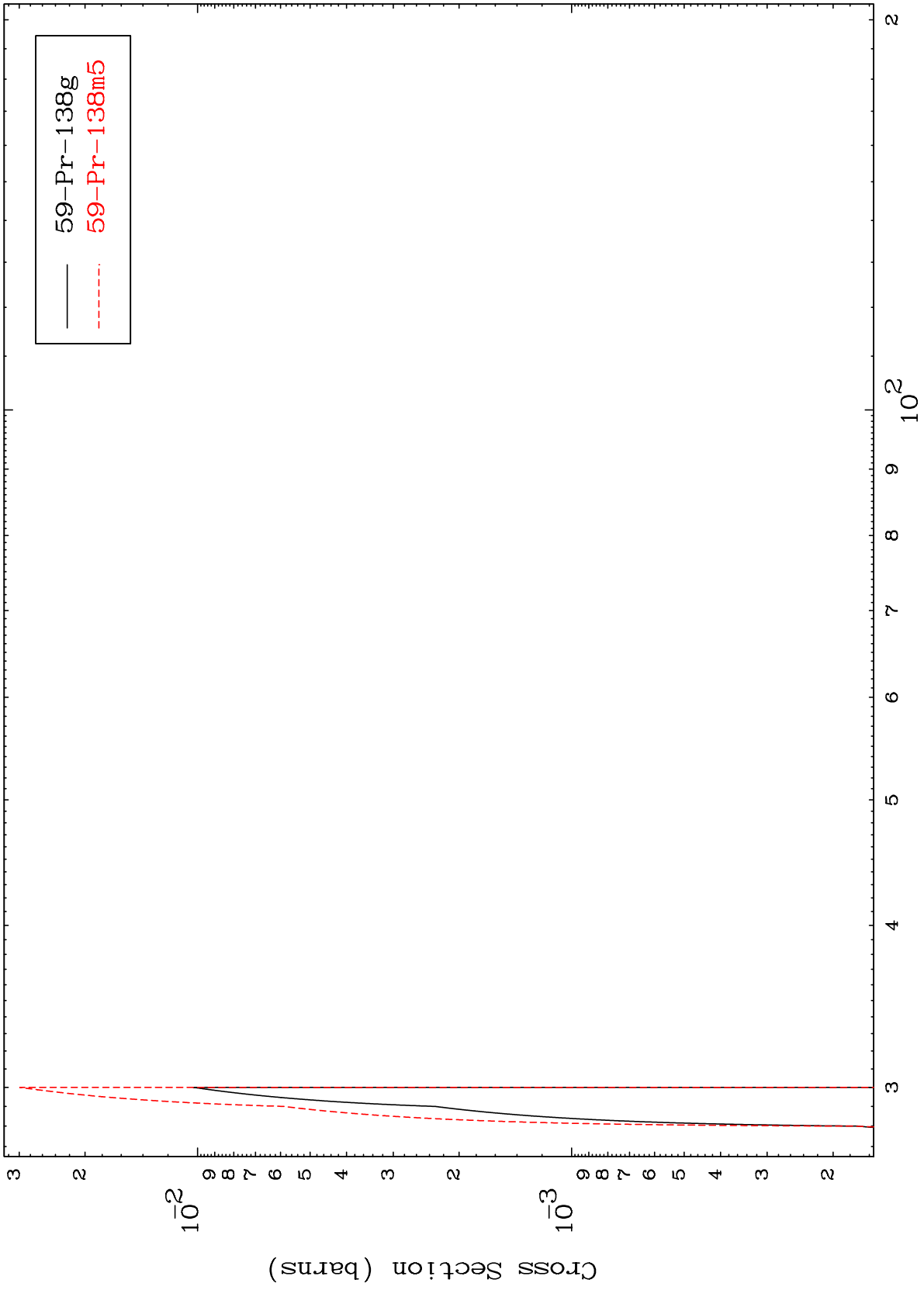
Incident Energy (MeV)

59-Pr-141

MAT 5925

59-Pr-141

(n,4n)
Radionuclide Production Cross Section



138

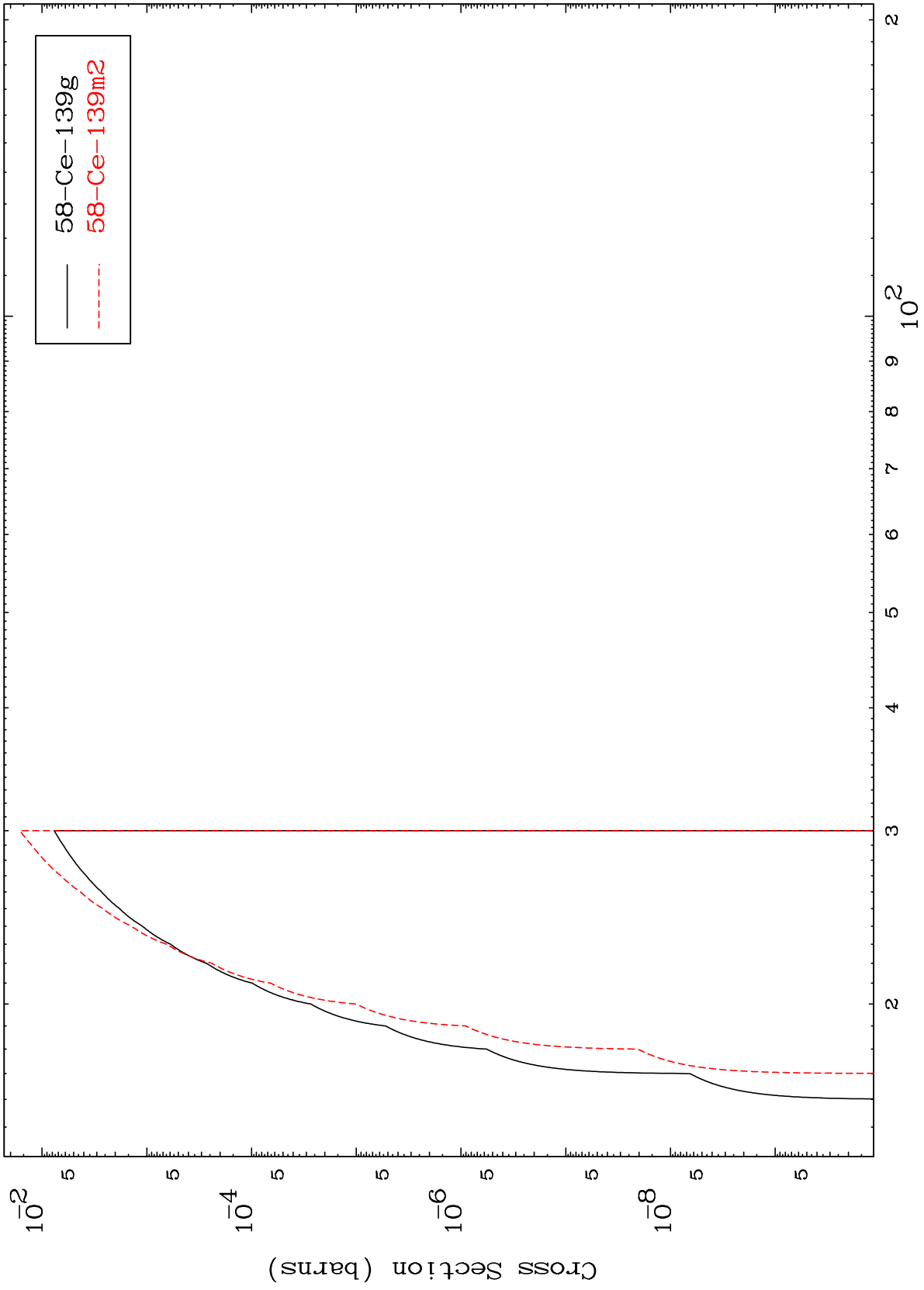
59-Pr-141

MAT 5925

(n,2n) p

59-Pr-141

Radionuclide Production Cross Section



139

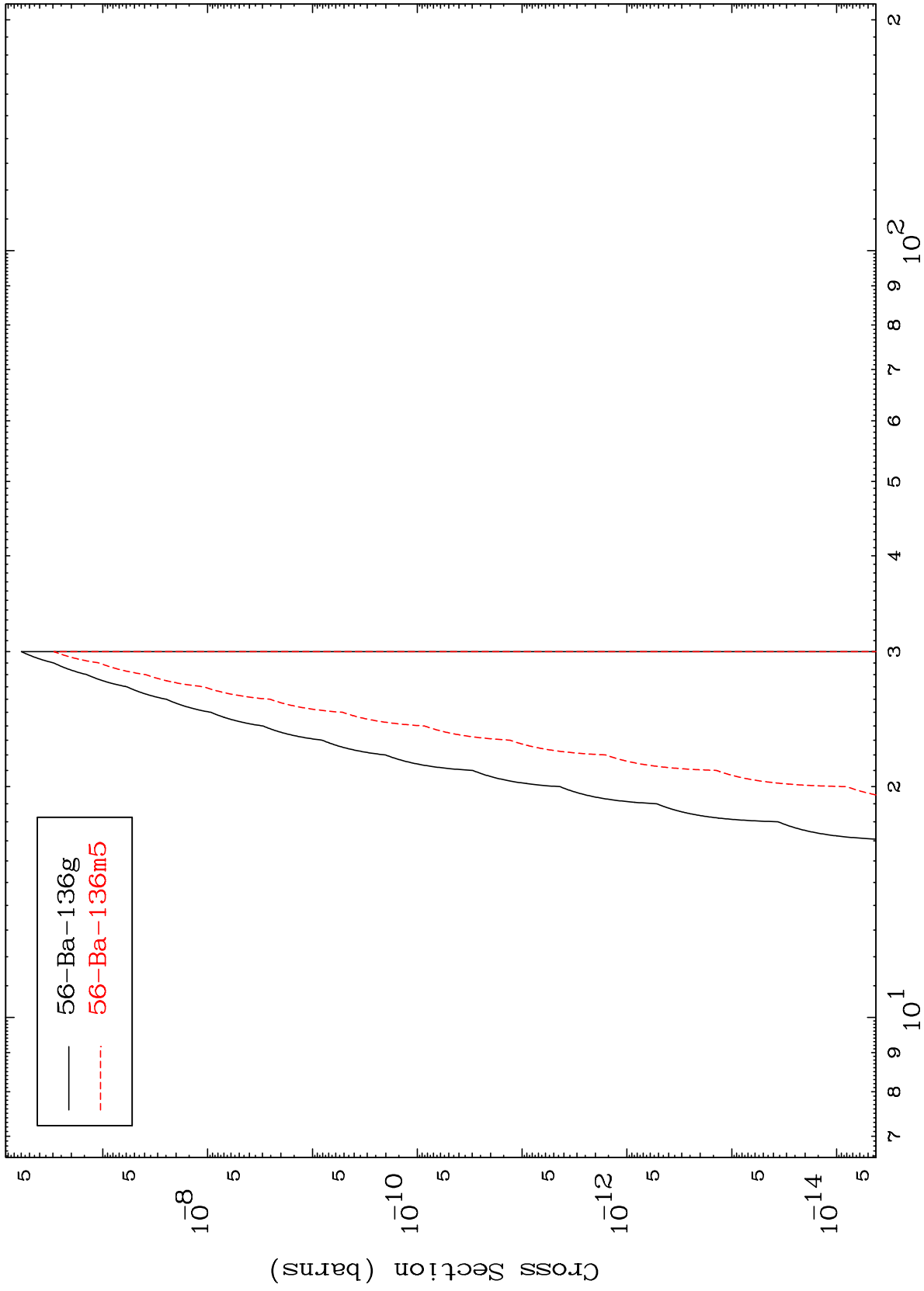
Incident Energy (MeV)

59-Pr-141

MAT 5925

59-Pr-141

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



140

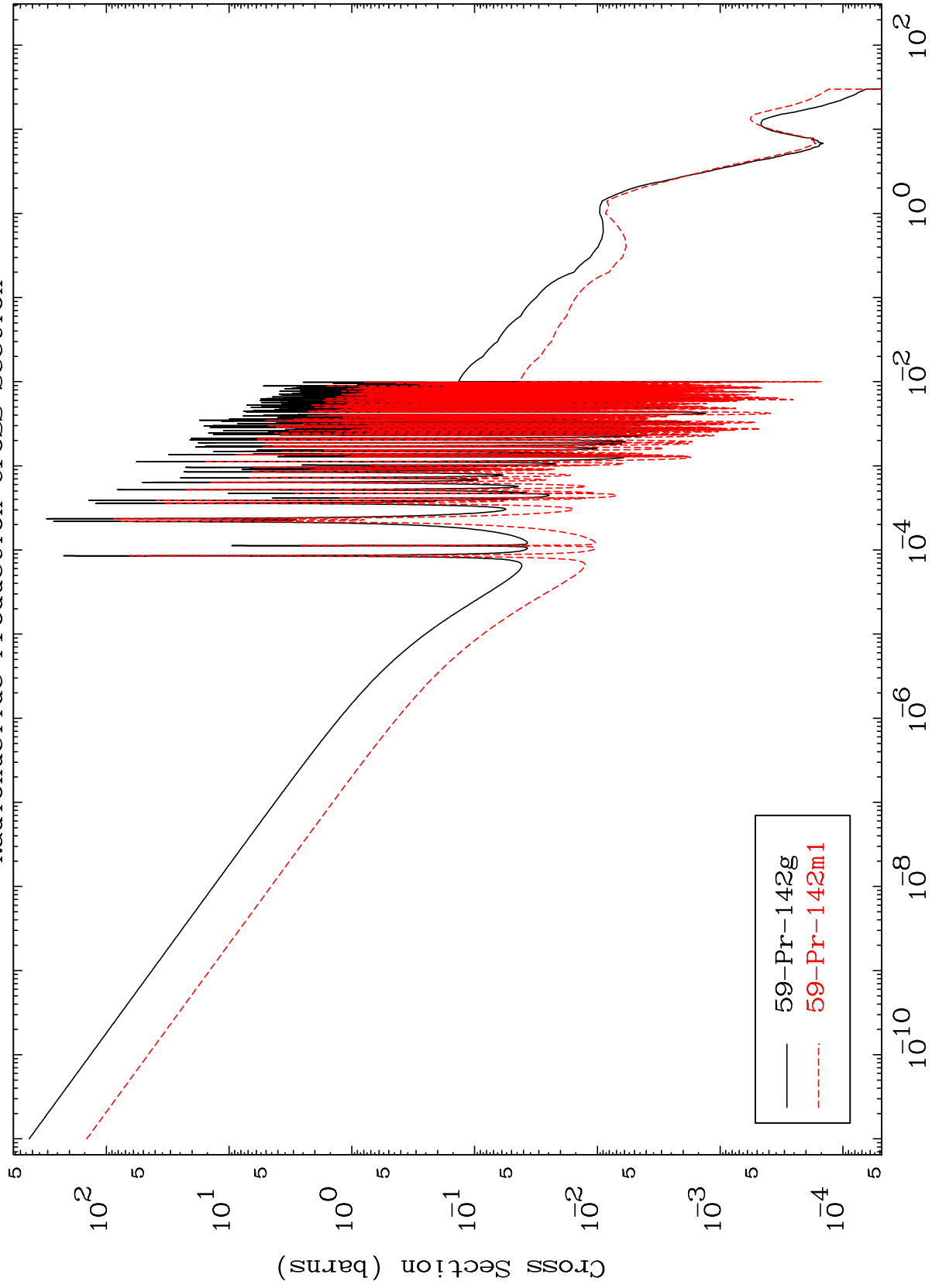
Incident Energy (MeV)

59-Pr-141

MAT 5925

59-Pr-141

(n,γ)
Radionuclide Production Cross Section



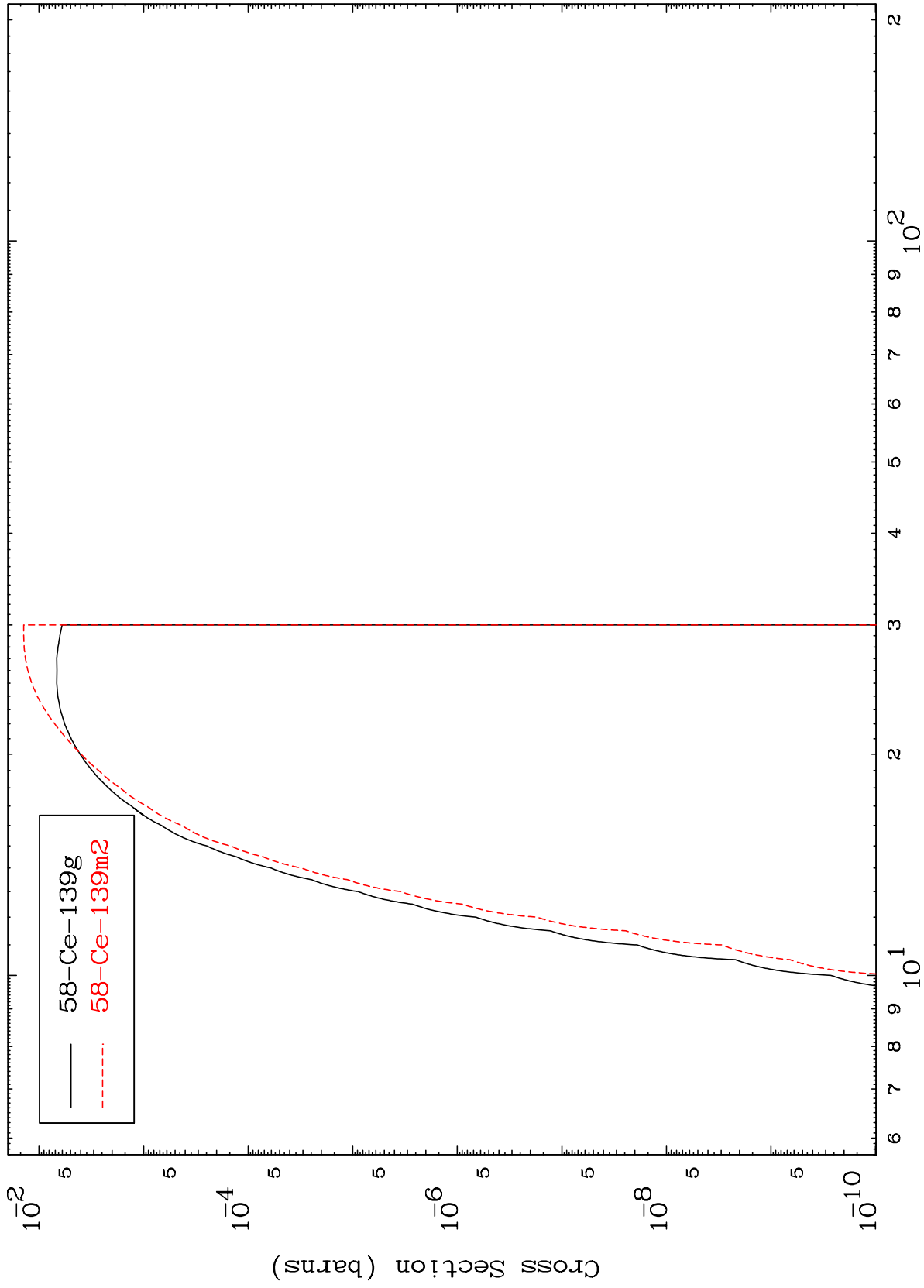
141

59-Pr-141

MAT 5925

59-Pr-141

(n, t)
Radionuclide Production Cross Section



142

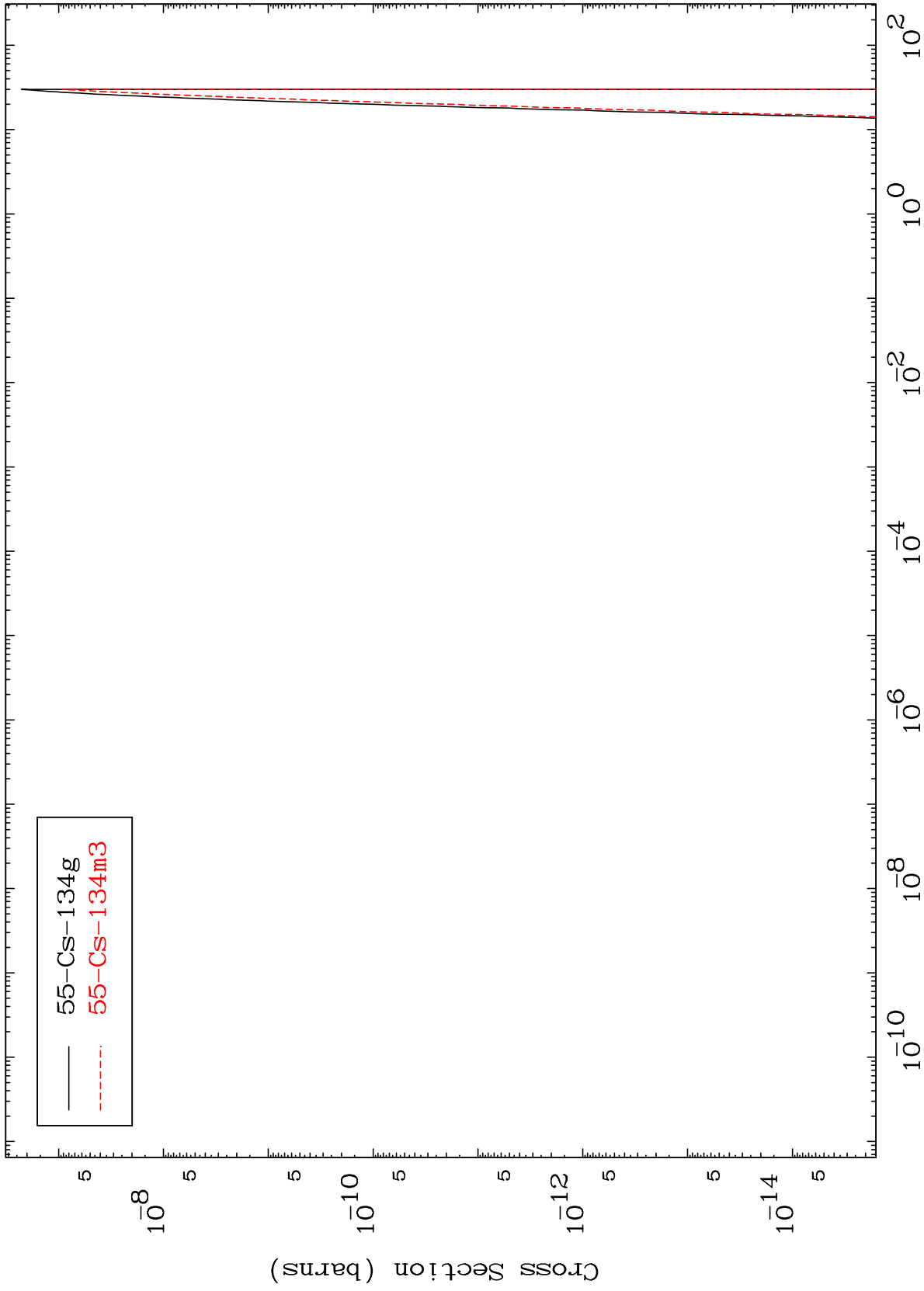
59-Pr-141

MAT 5925

(n,2α)

59-Pr-141

Radionuclide Production Cross Section



143

Incident Energy (MeV)

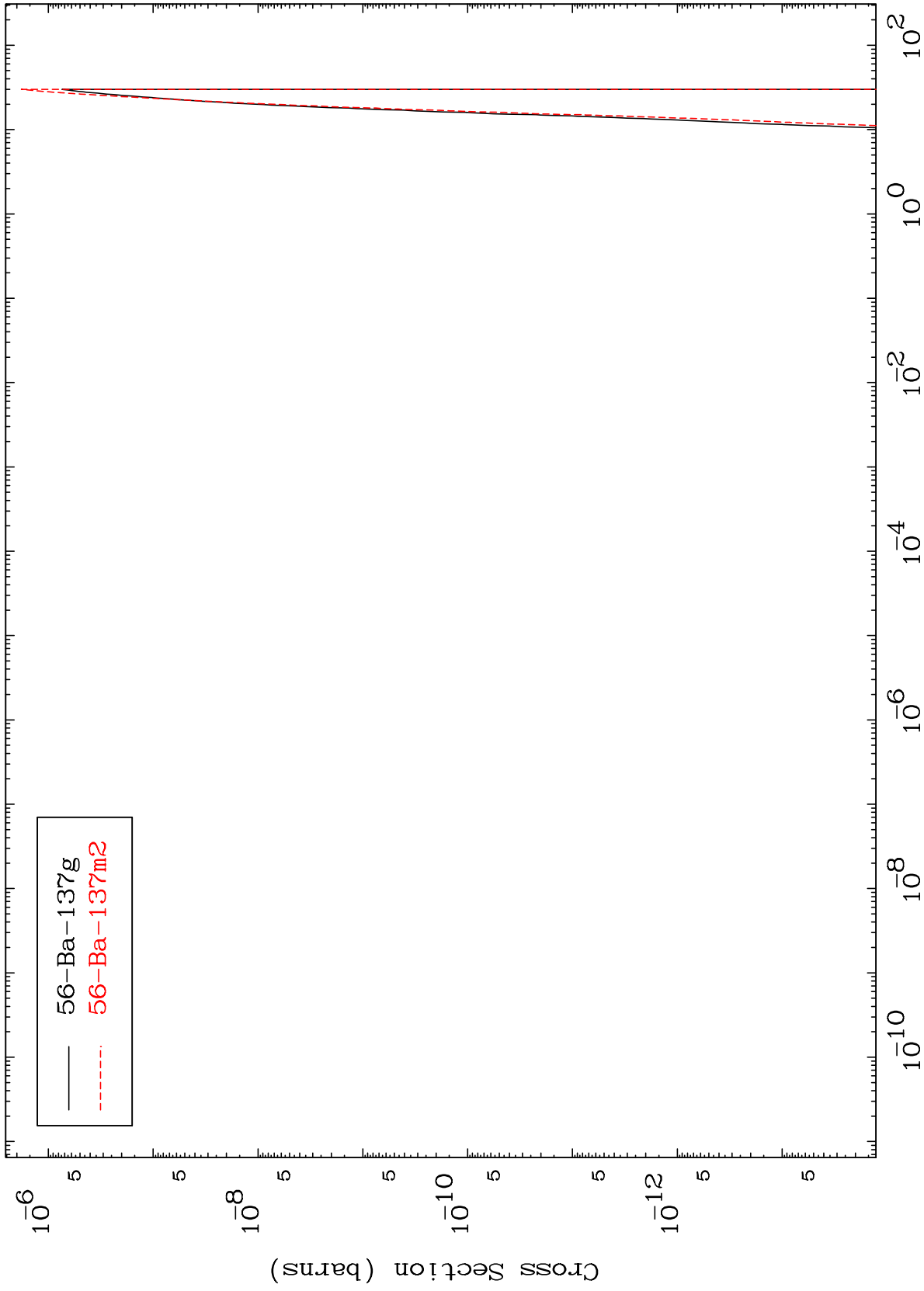
59-Pr-141

MAT 5925

(n,p) α

59-Pr-141

Radionuclide Production Cross Section



144

Incident Energy (MeV)

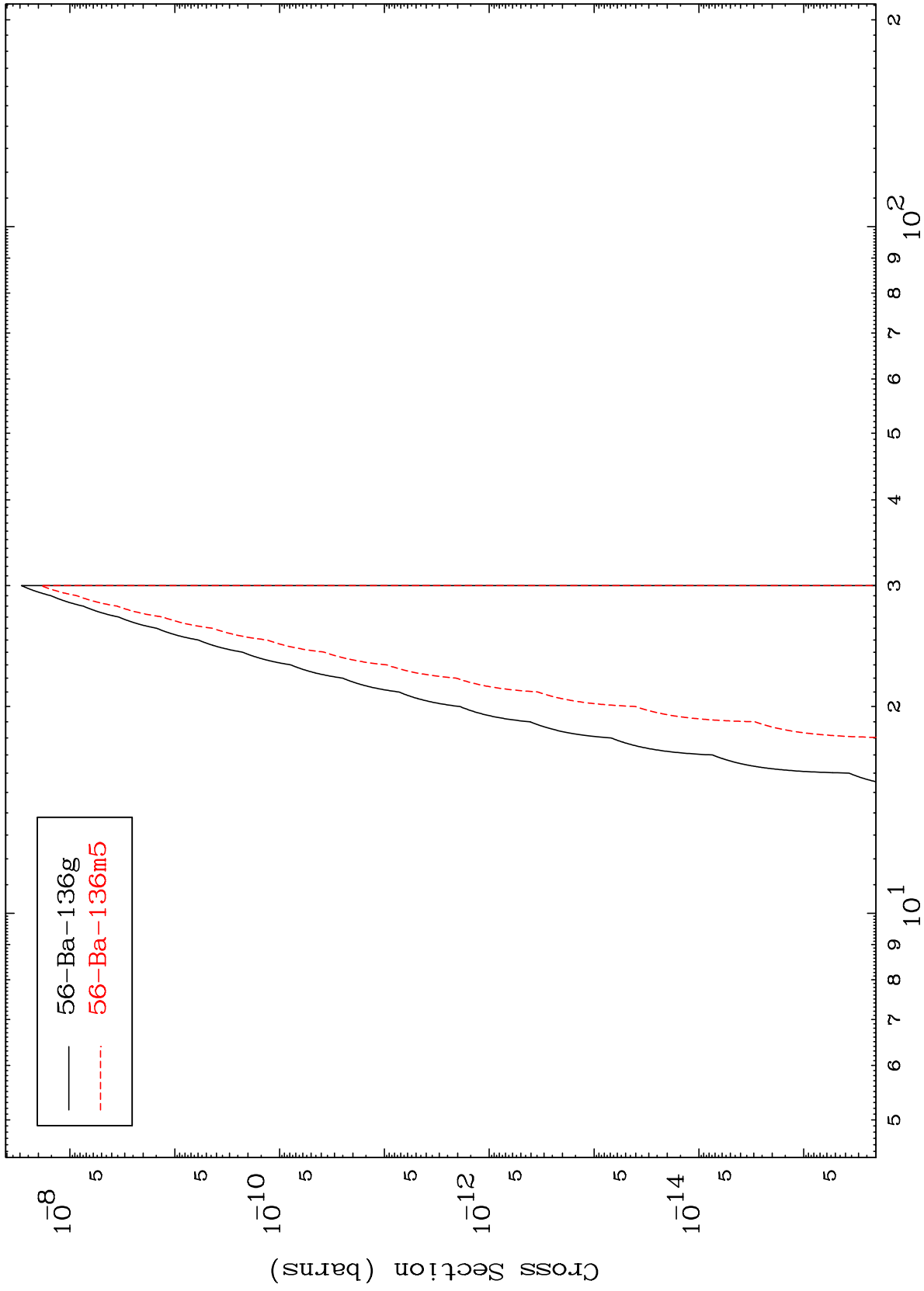
59-Pr-141

MAT 5925

(n,d) α

59-Pr-141

Radionuclide Production Cross Section



145

Incident Energy (MeV)

59-Pr-141