

Program EVALPLOT
(Version 2018-1)

by

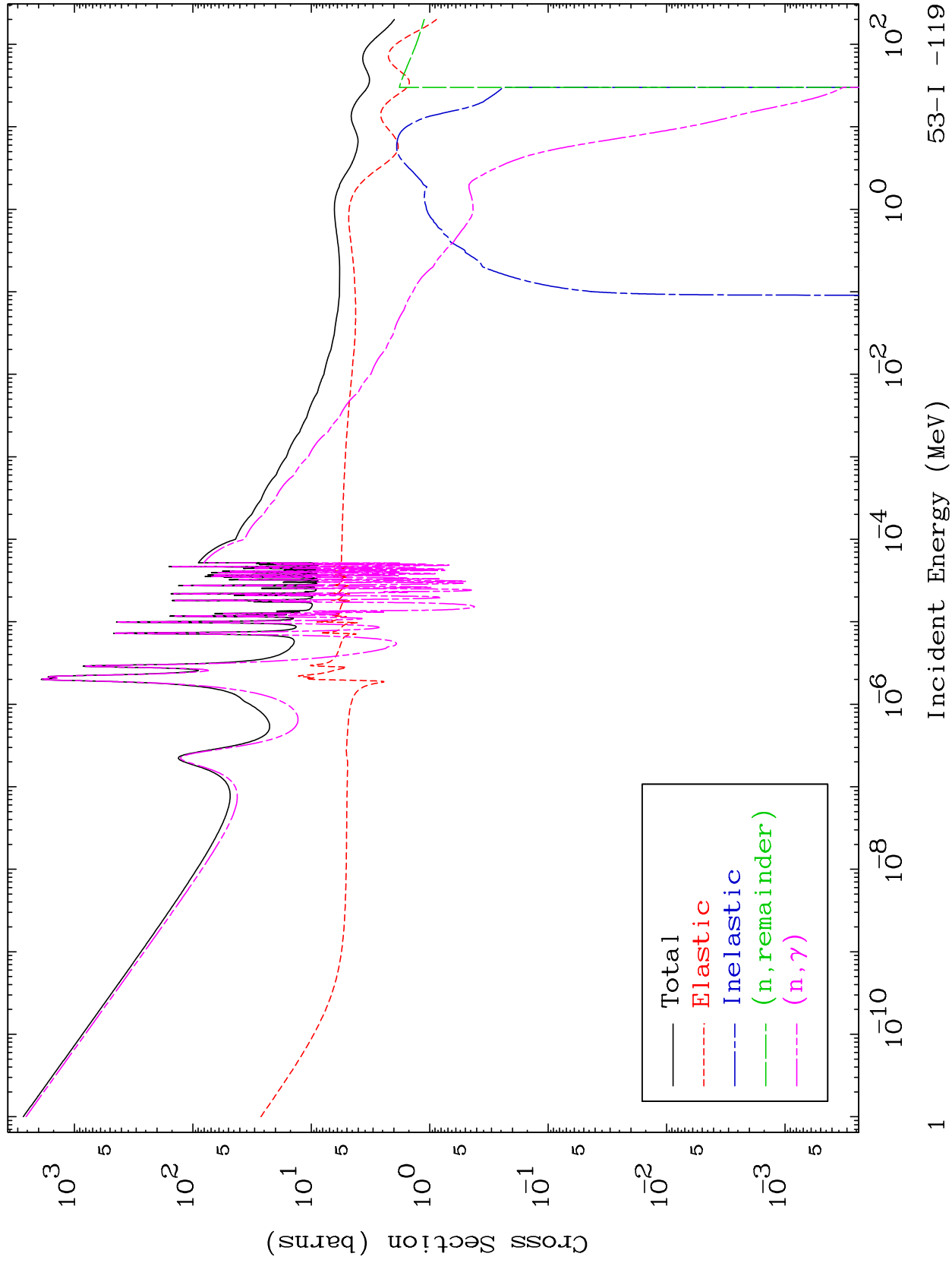
Dermott E. Cullen
(Present Contact Information)

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

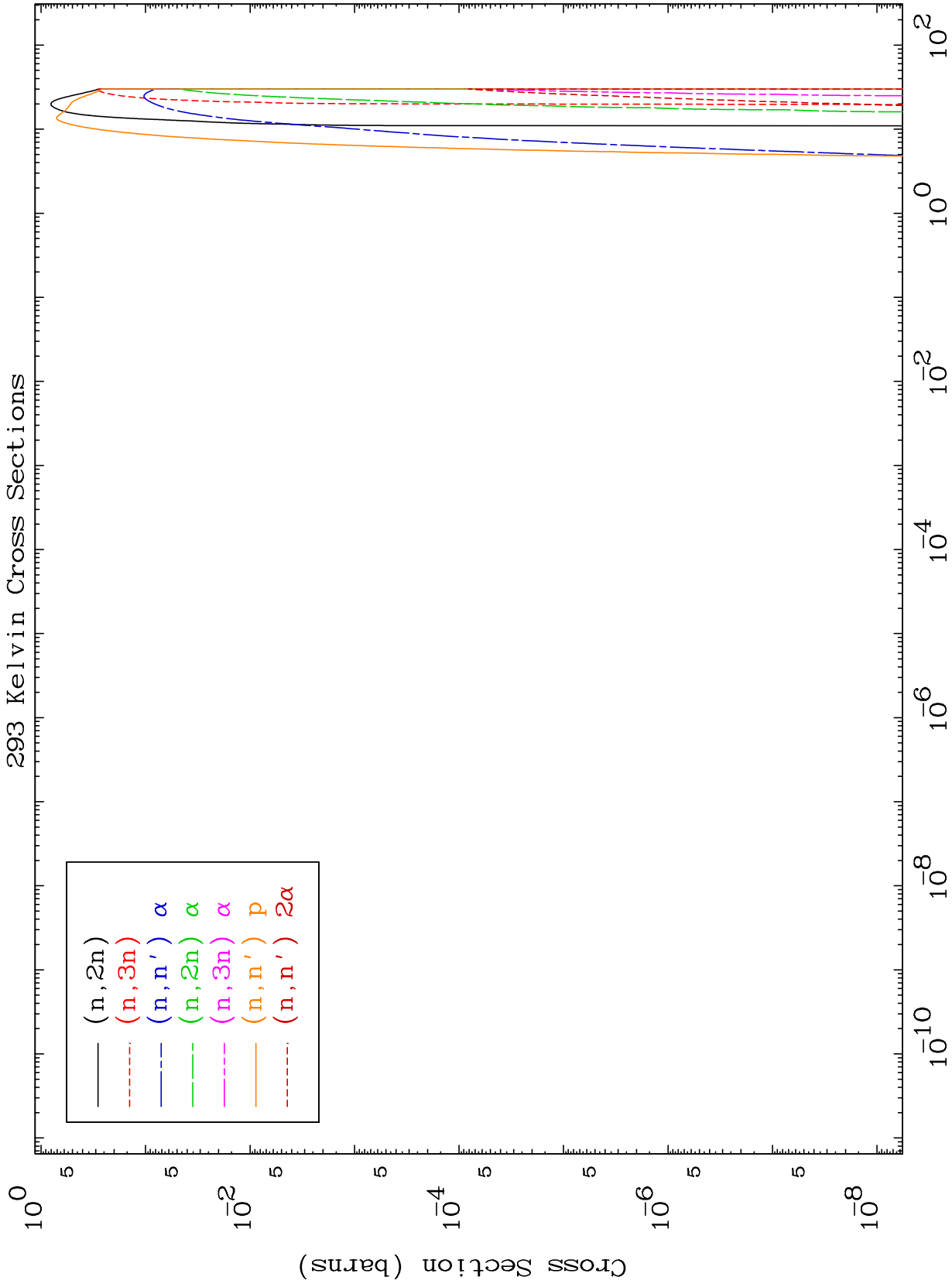
Press Mouse Button to Start



MAT 5301

293 Kelvin Cross Sections

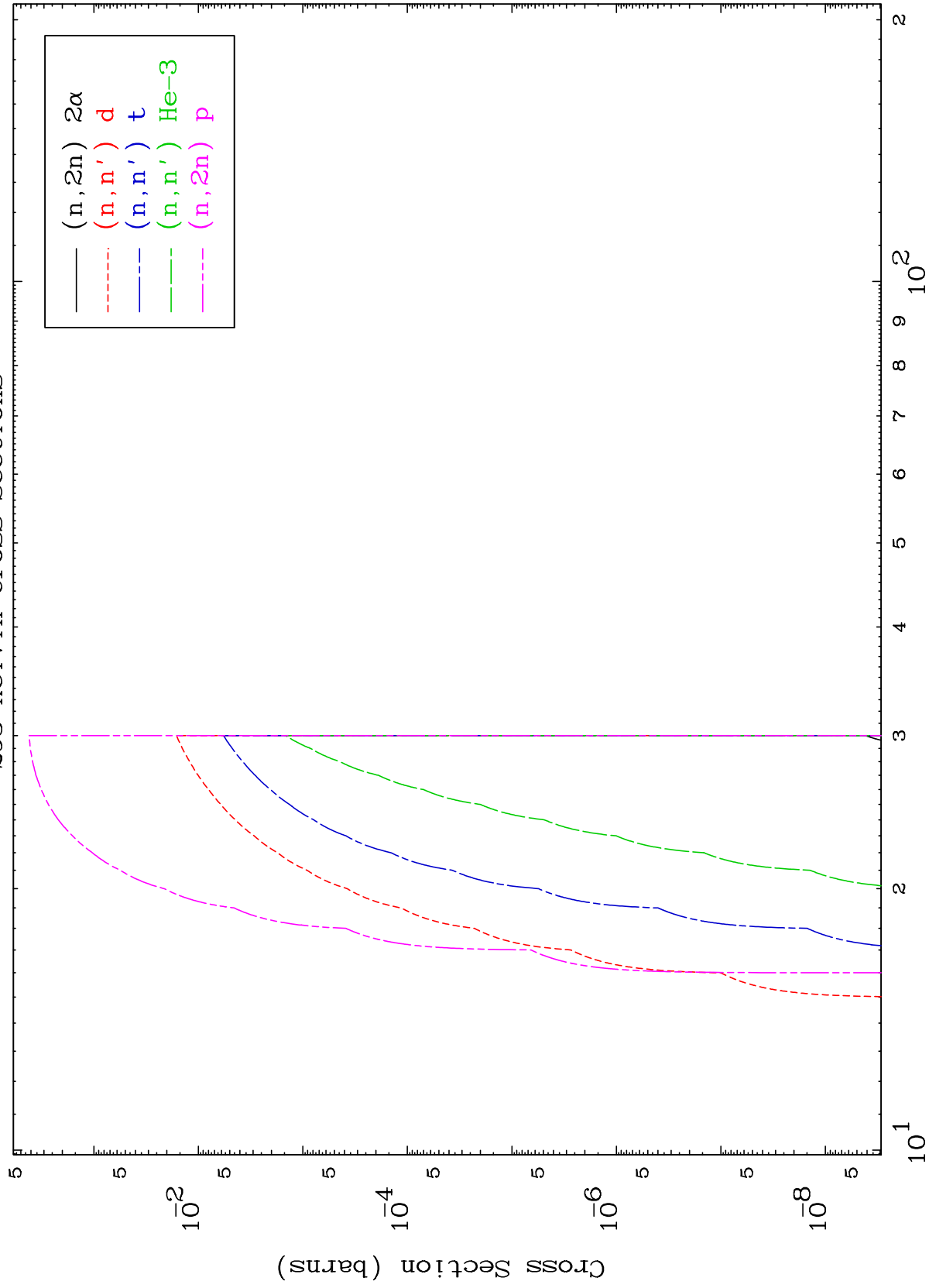
53-I -119



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Incident Energy (MeV)

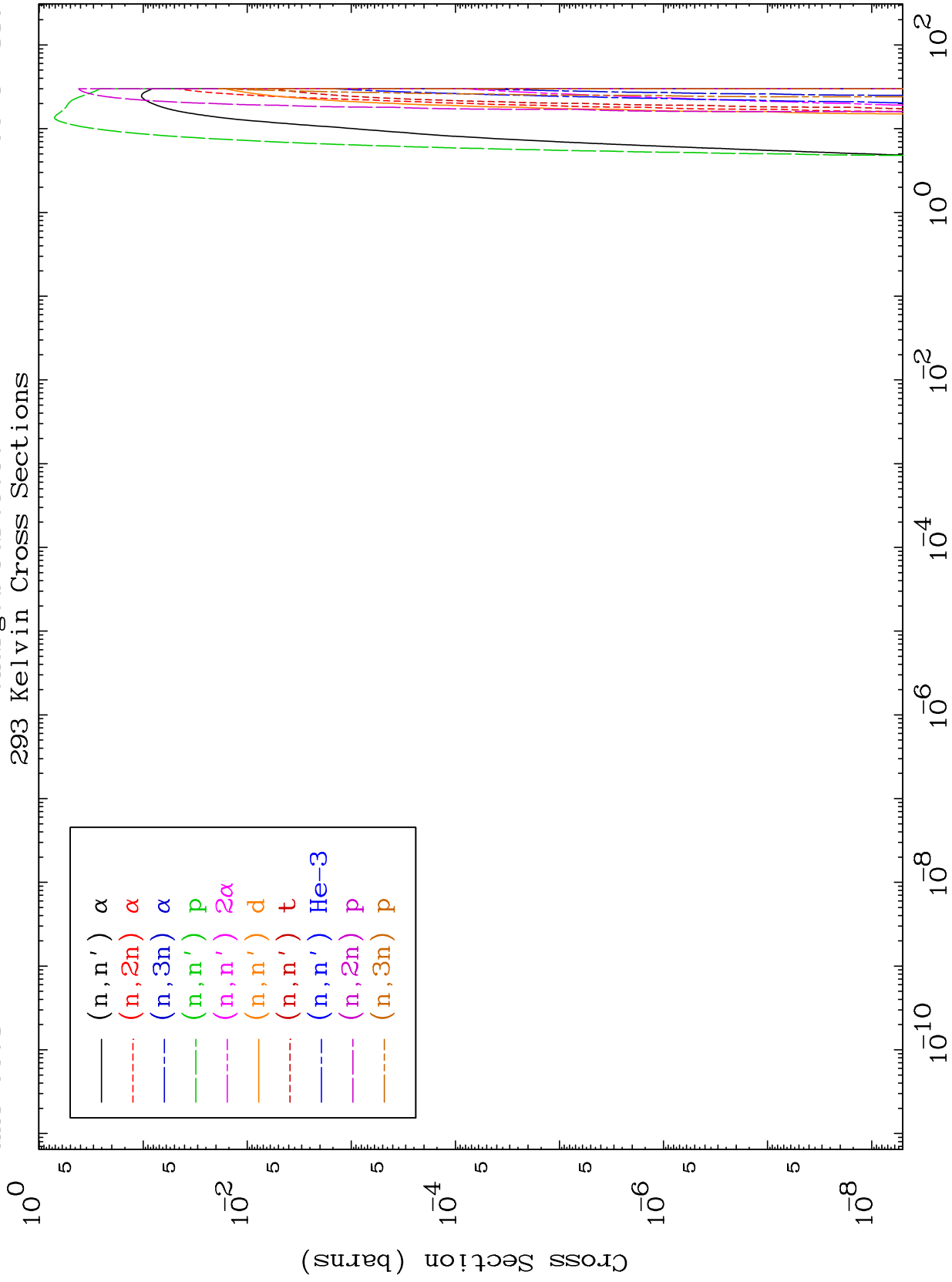
53-I -119

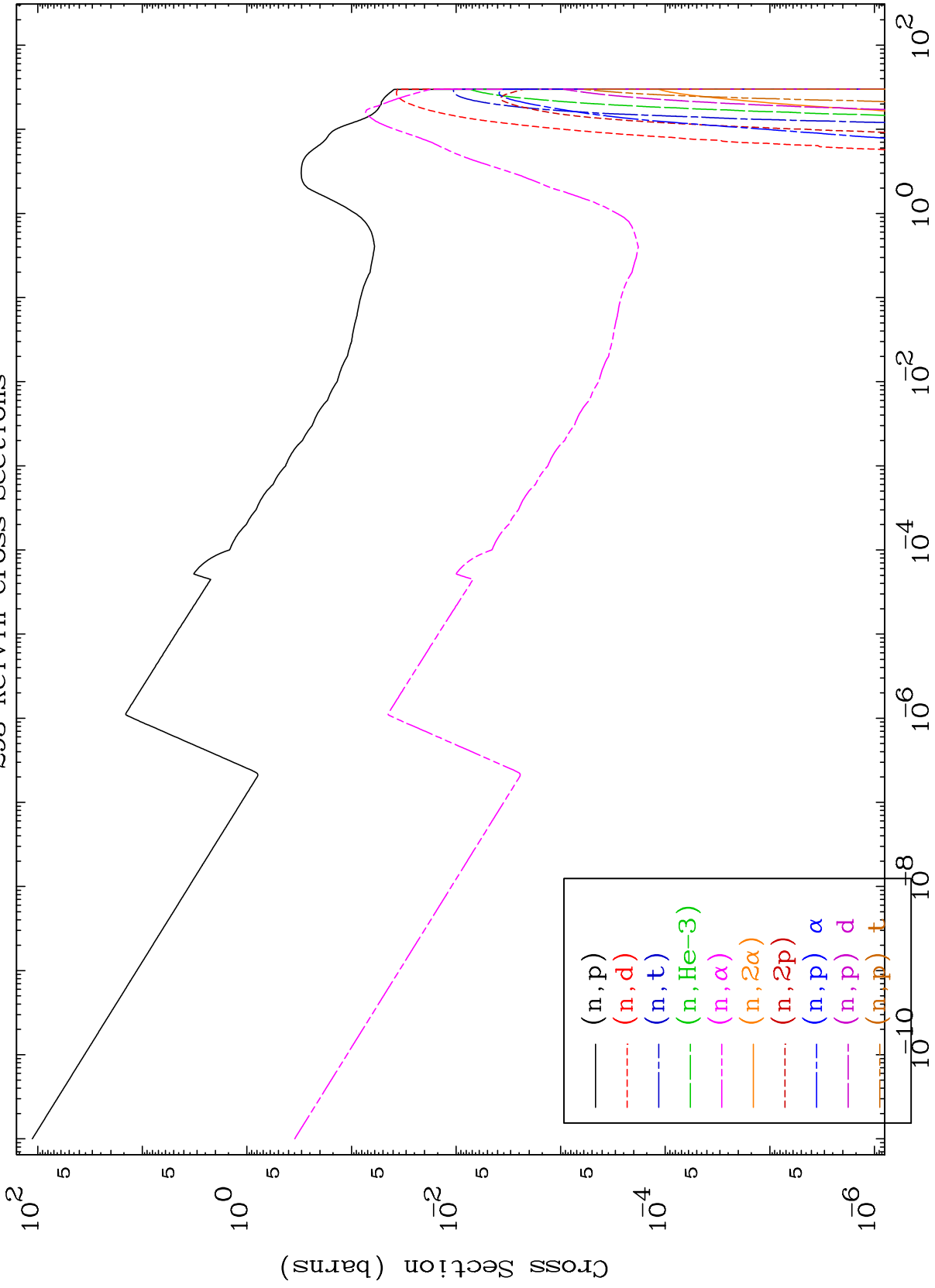


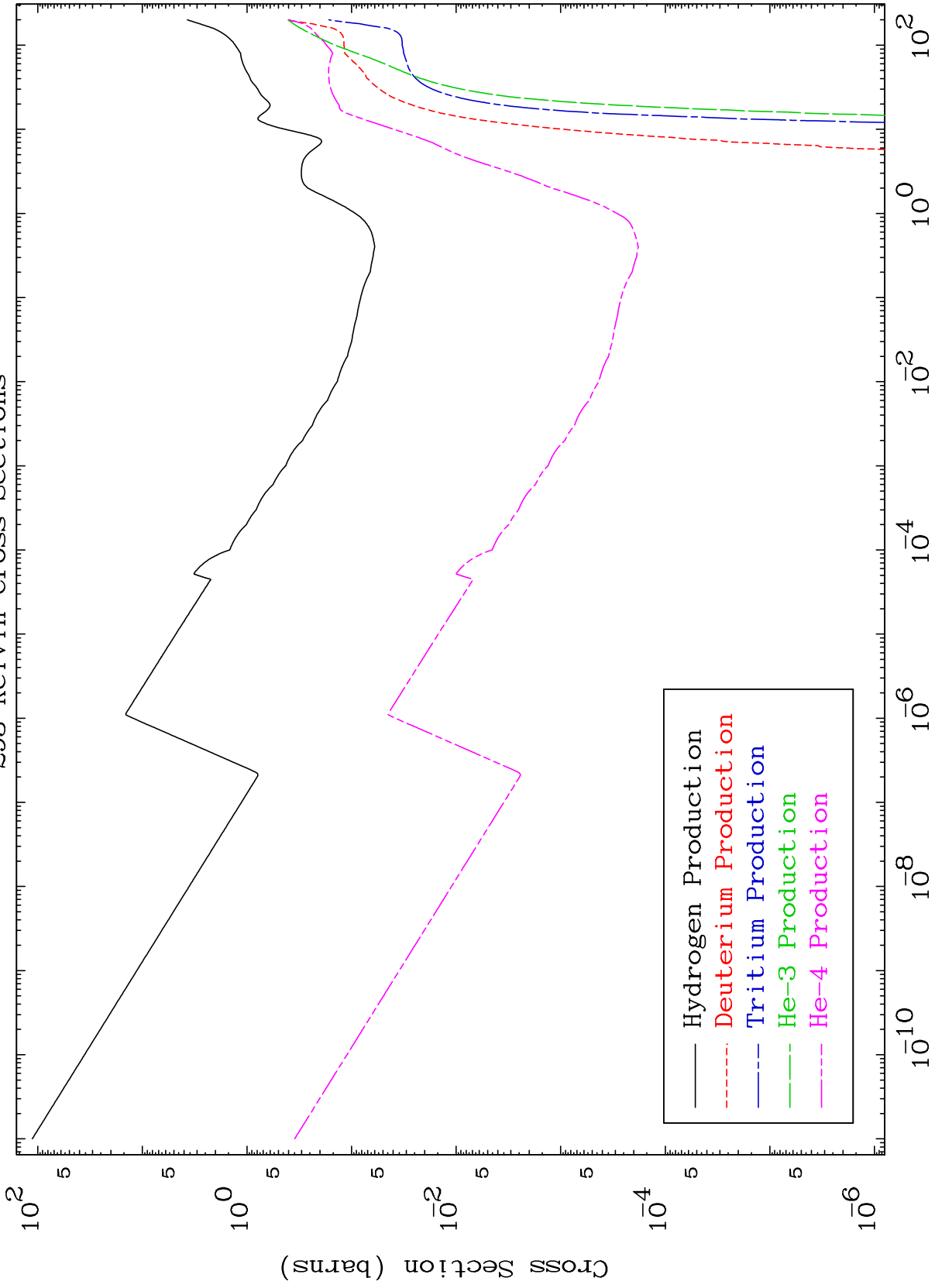
MAT 5301

293 Kelvin Cross Sections

53-I -119



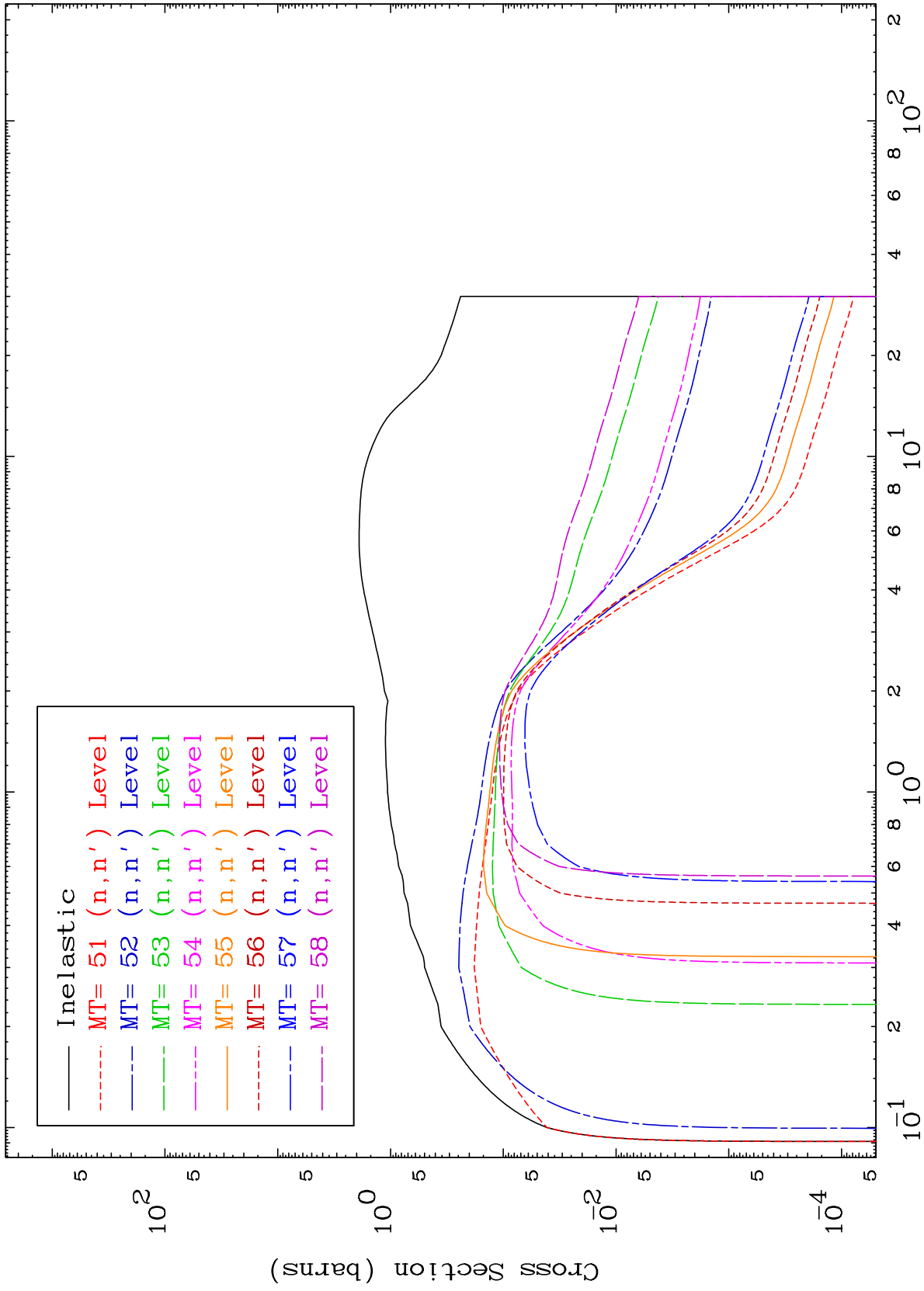




MAT 5301

(n,n') Level
293 Kelvin Cross Sections

53-I -119



7

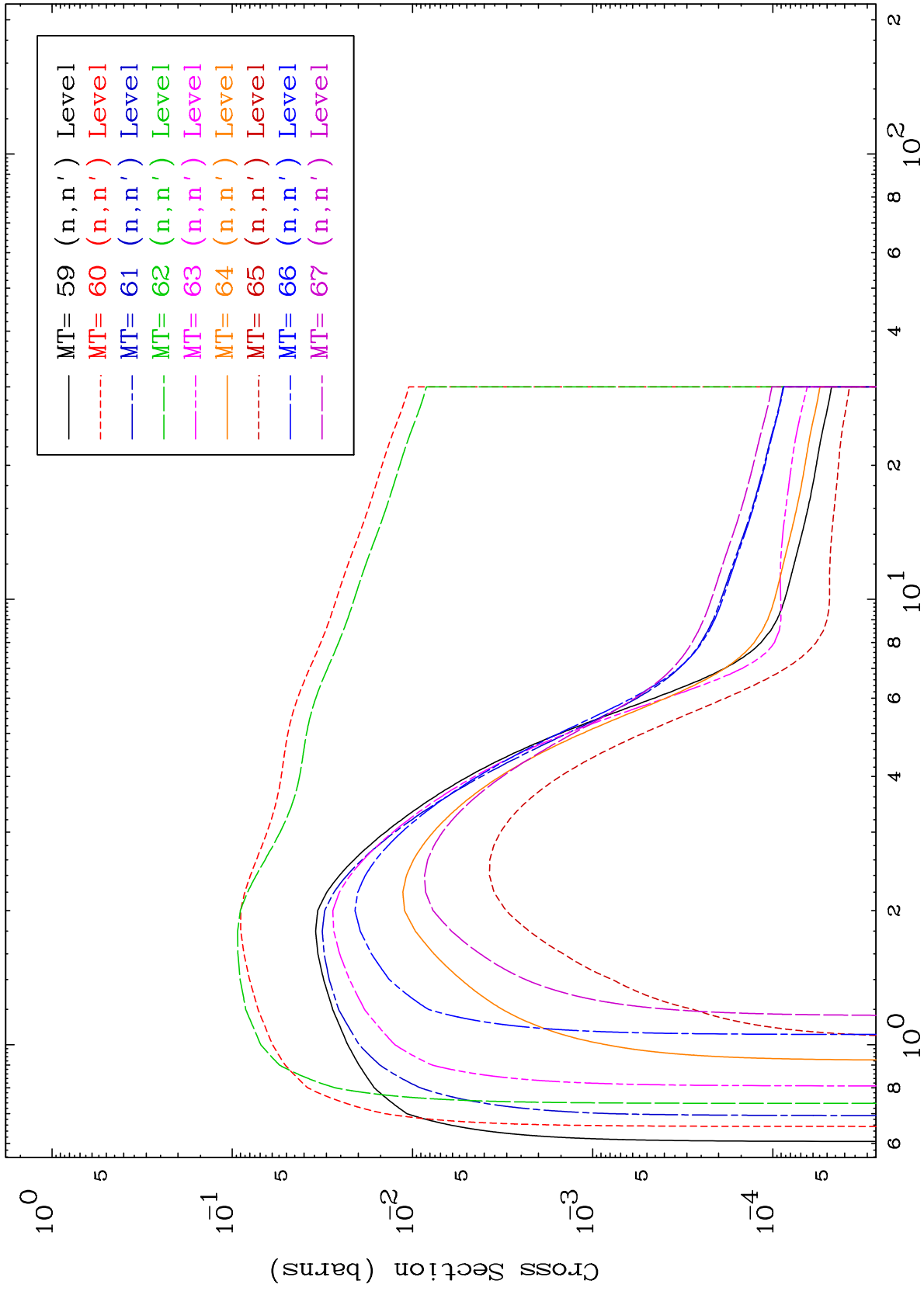
Incident Energy (MeV)

53-I -119

MAT 5301

(n,n') Level
293 Kelvin Cross Sections

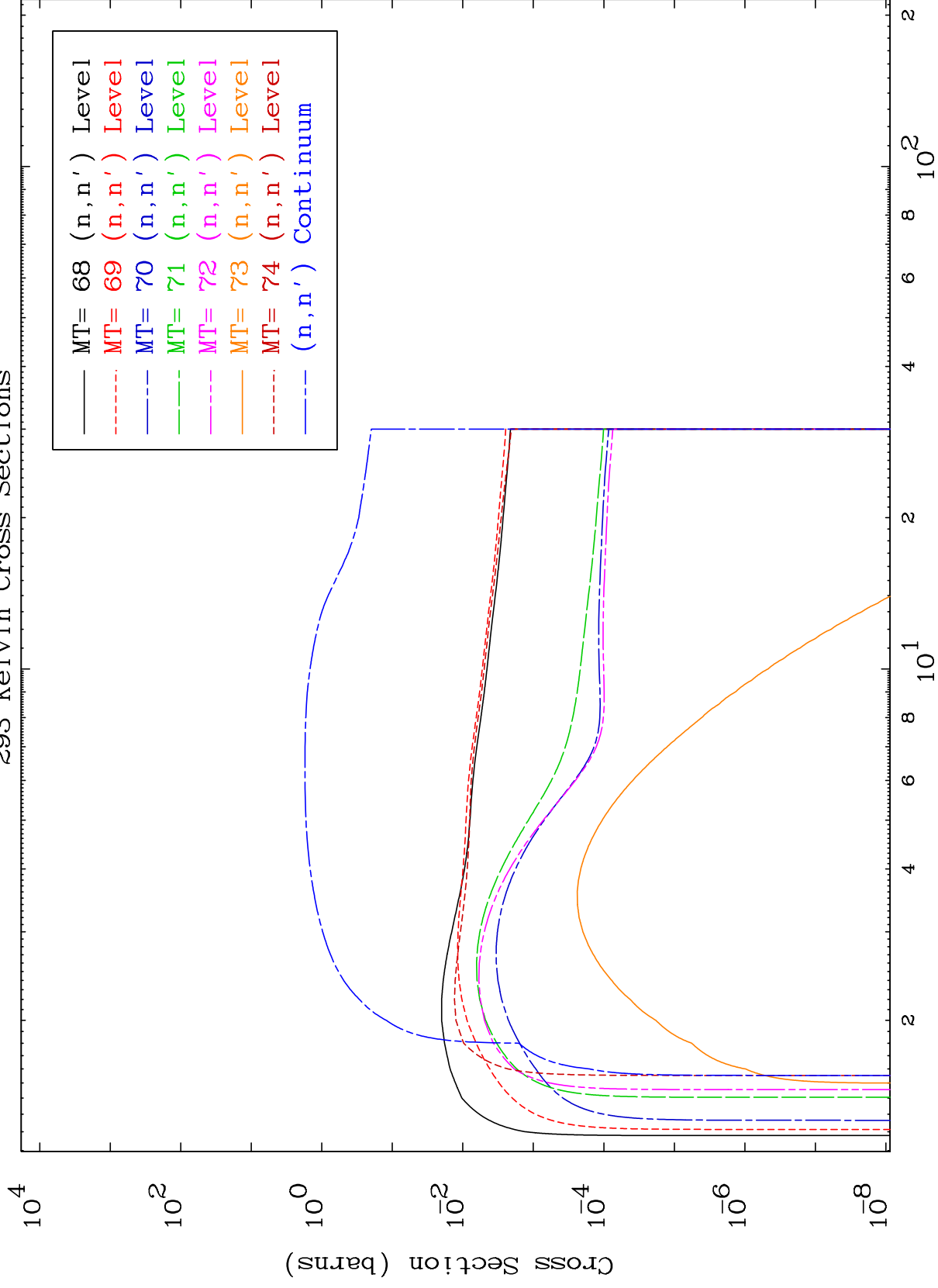
53-I -119



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Incident Energy (MeV)

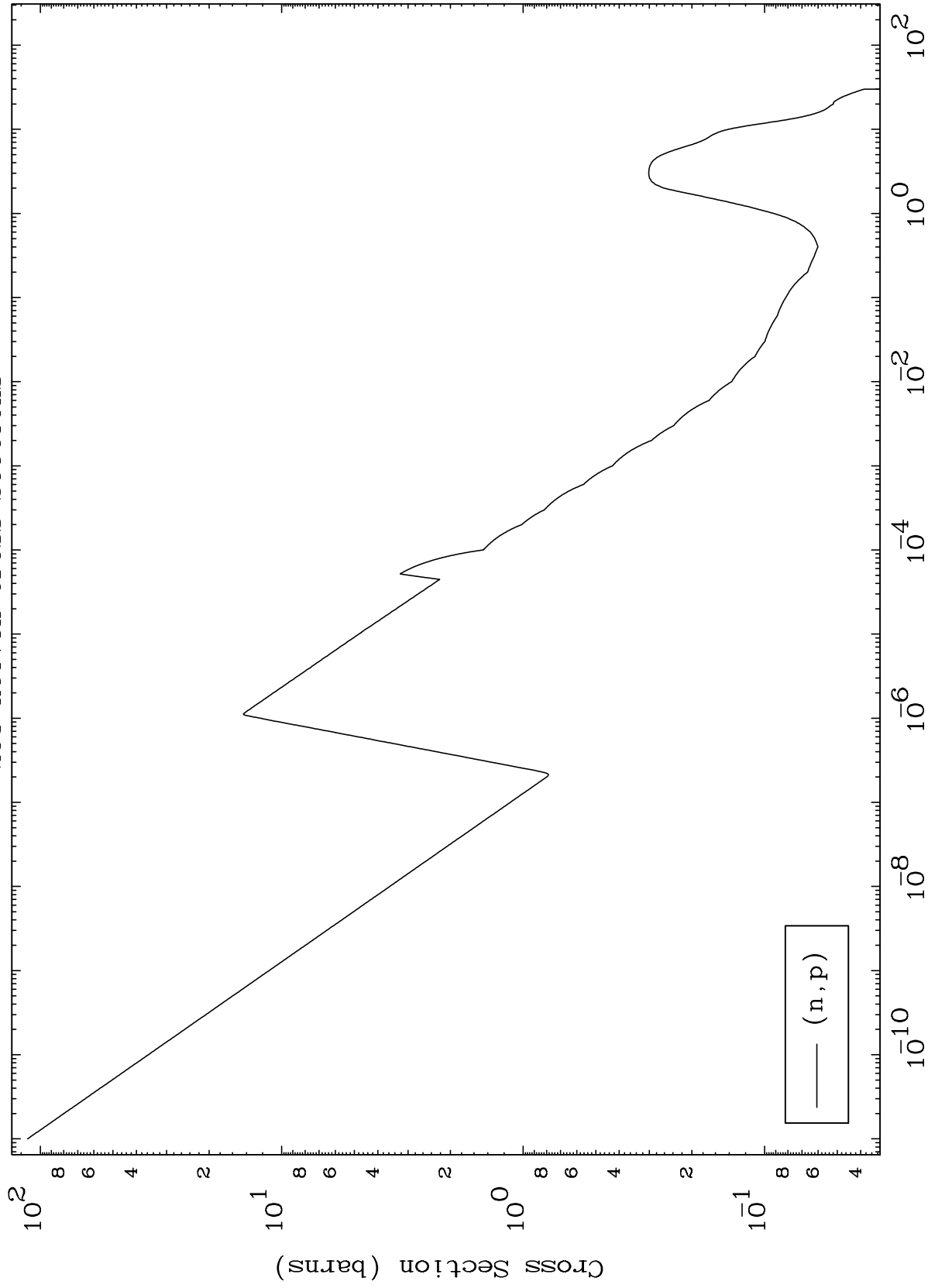
53-I -119



MAT 5301

(n,p) Levels
293 Kelvin Cross Sections

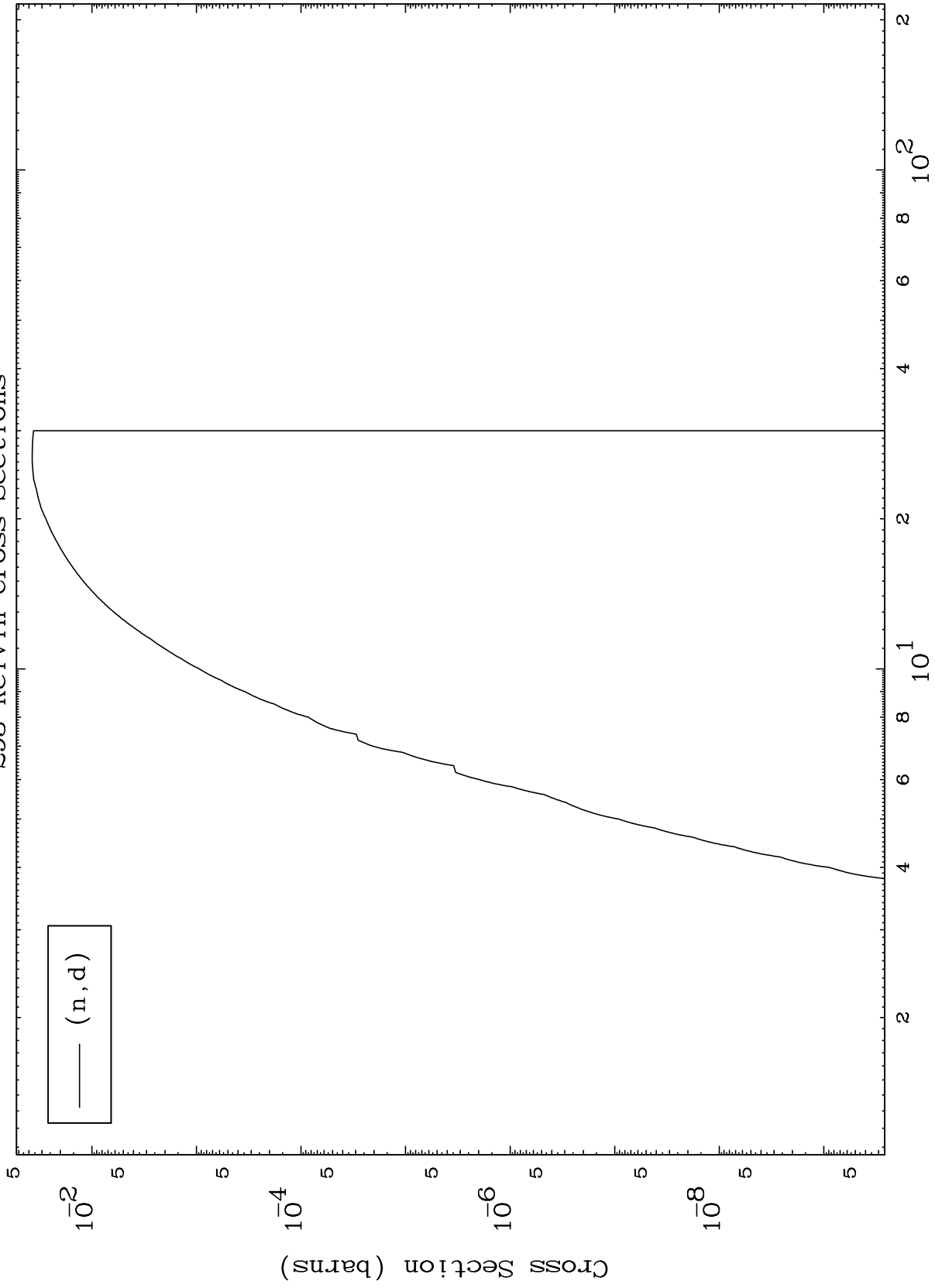
53-I -119

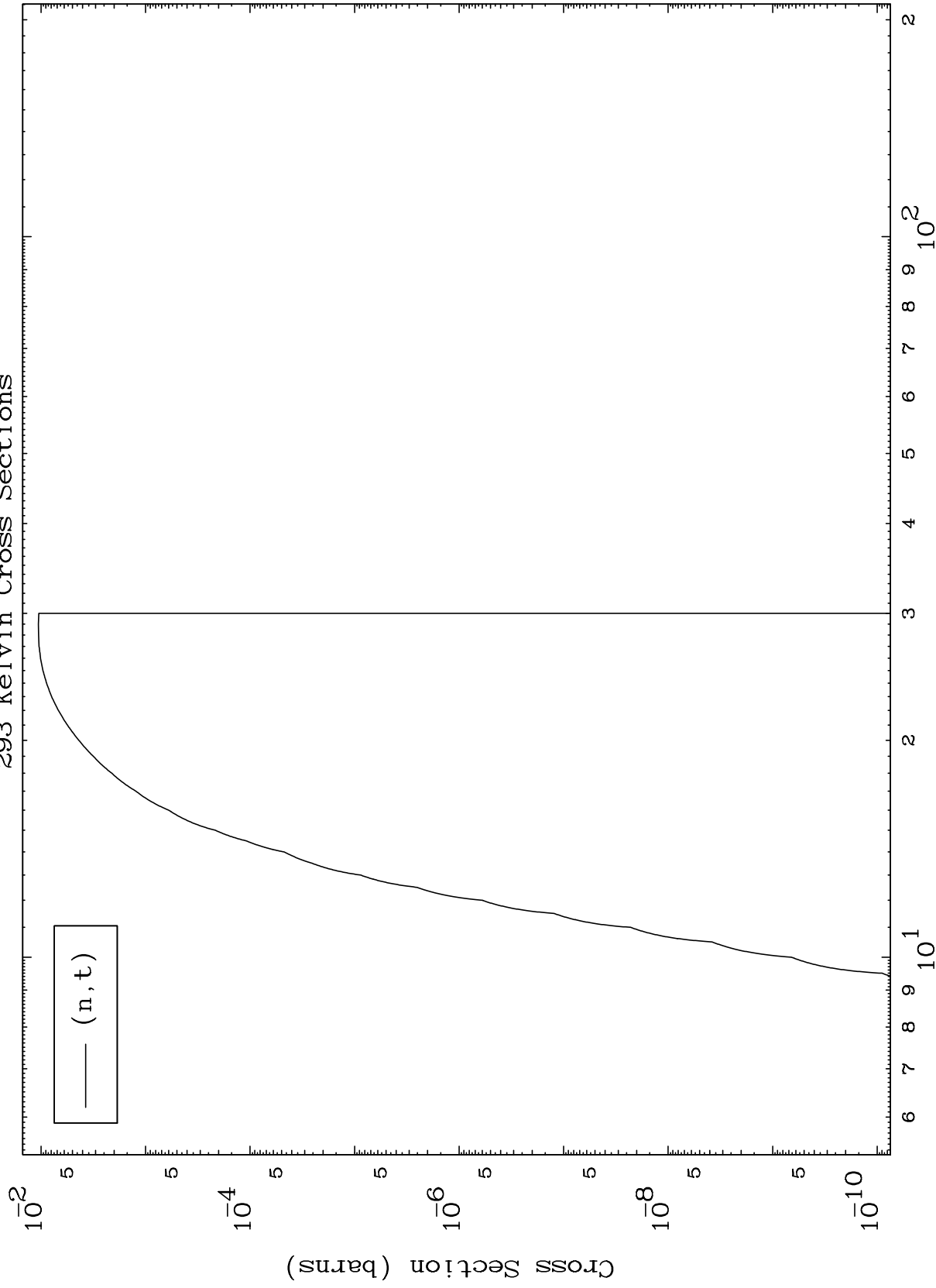


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Incident Energy (MeV)

53-I -119

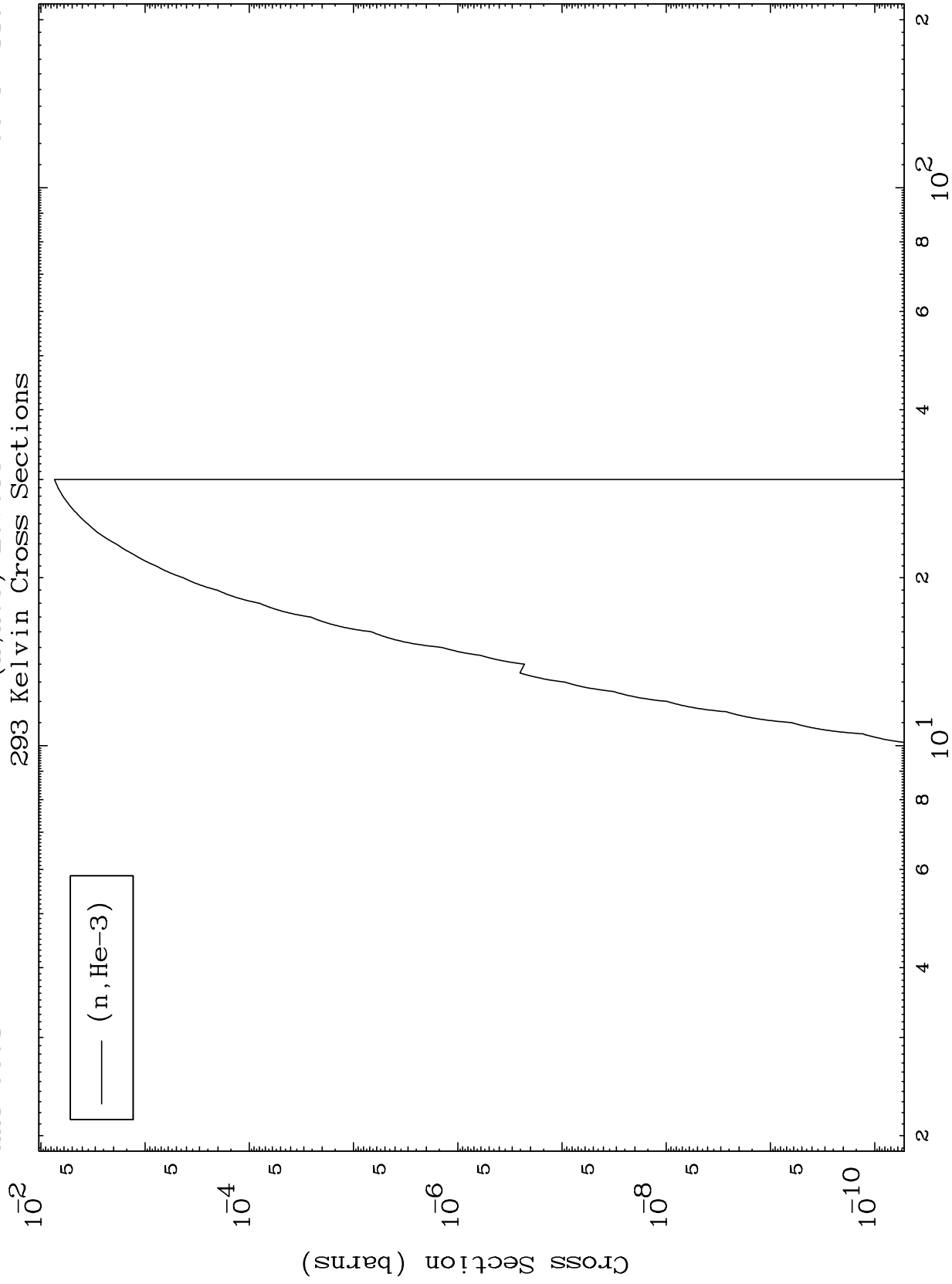




MAT 5301

(n,He3) Levels
293 Kelvin Cross Sections

53-I -119



13

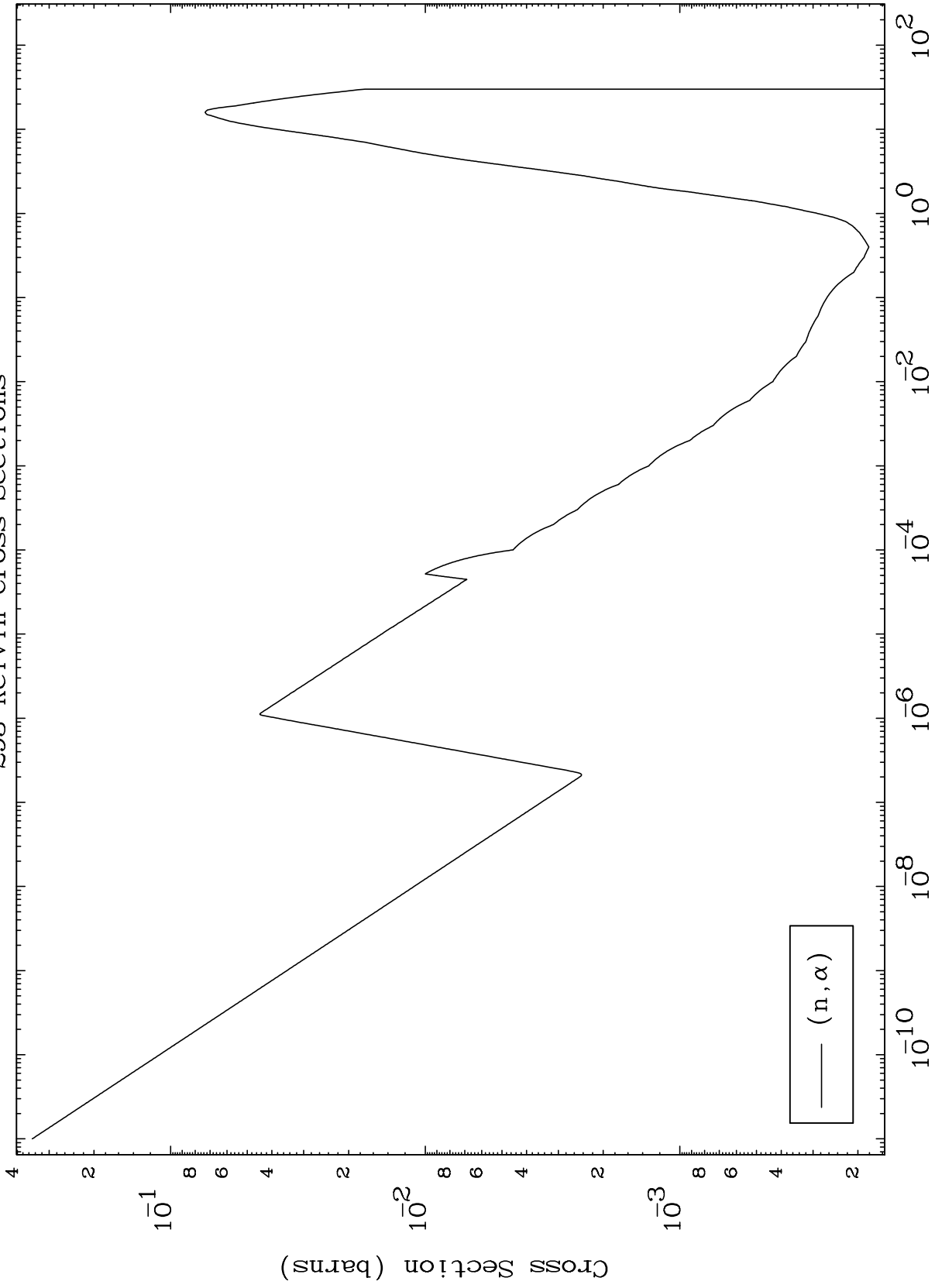
Incident Energy (MeV)

53-I -119

MAT 5301

(n, α) Levels
293 Kelvin Cross Sections

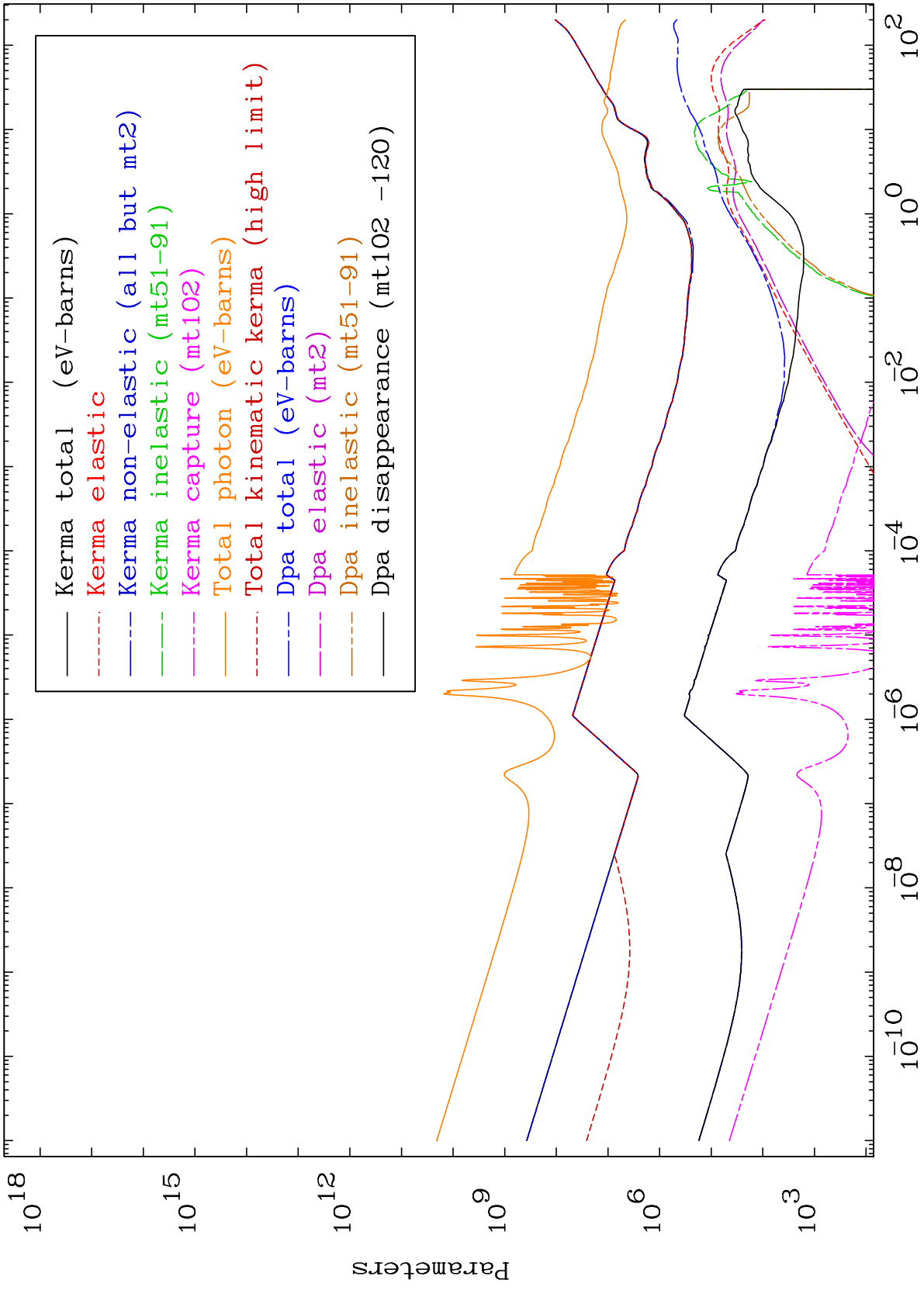
53-I -119



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Incident Energy (MeV)

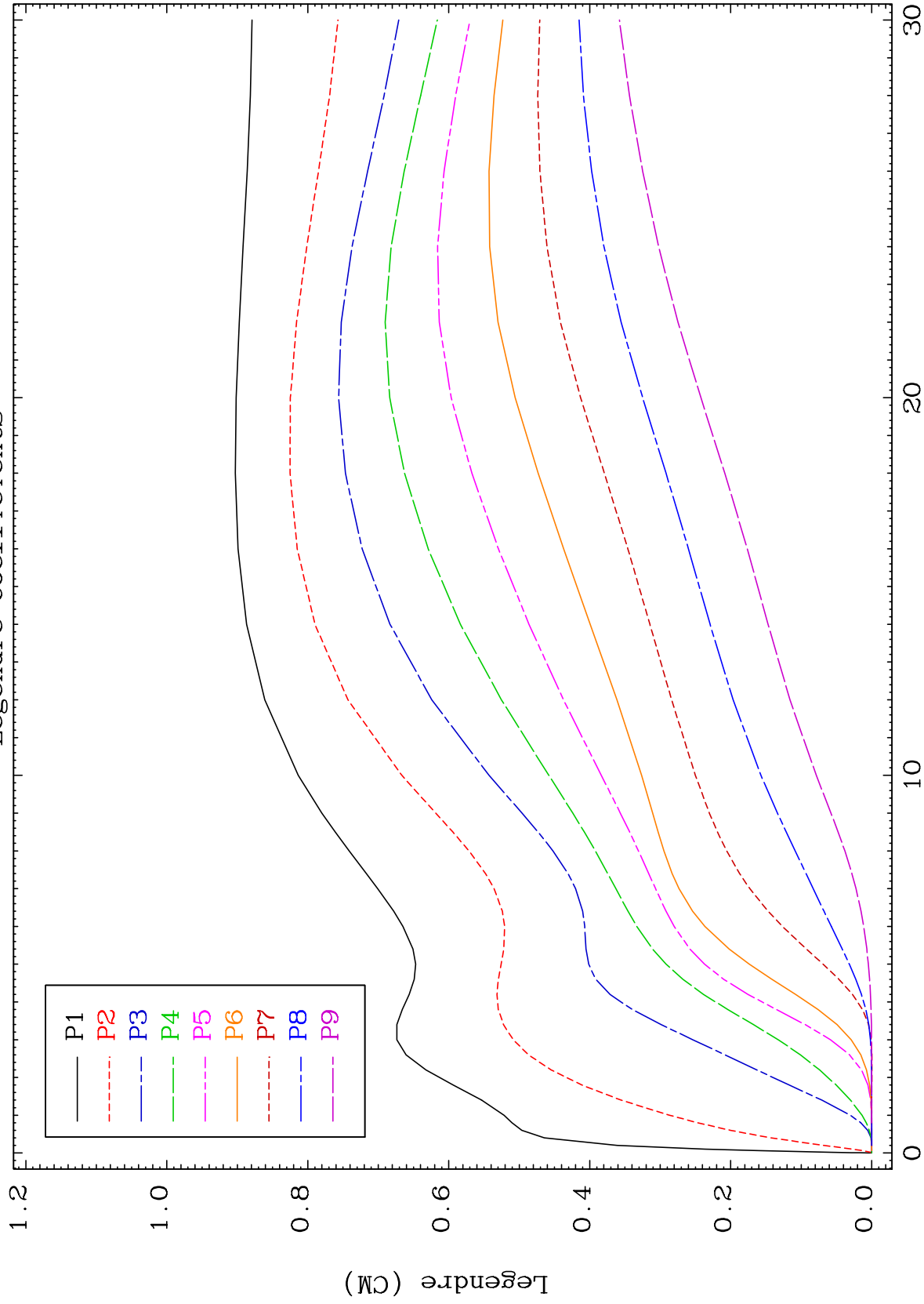
53-I -119



MAT 5301

Elastic Legendre Coefficients

53-I -119



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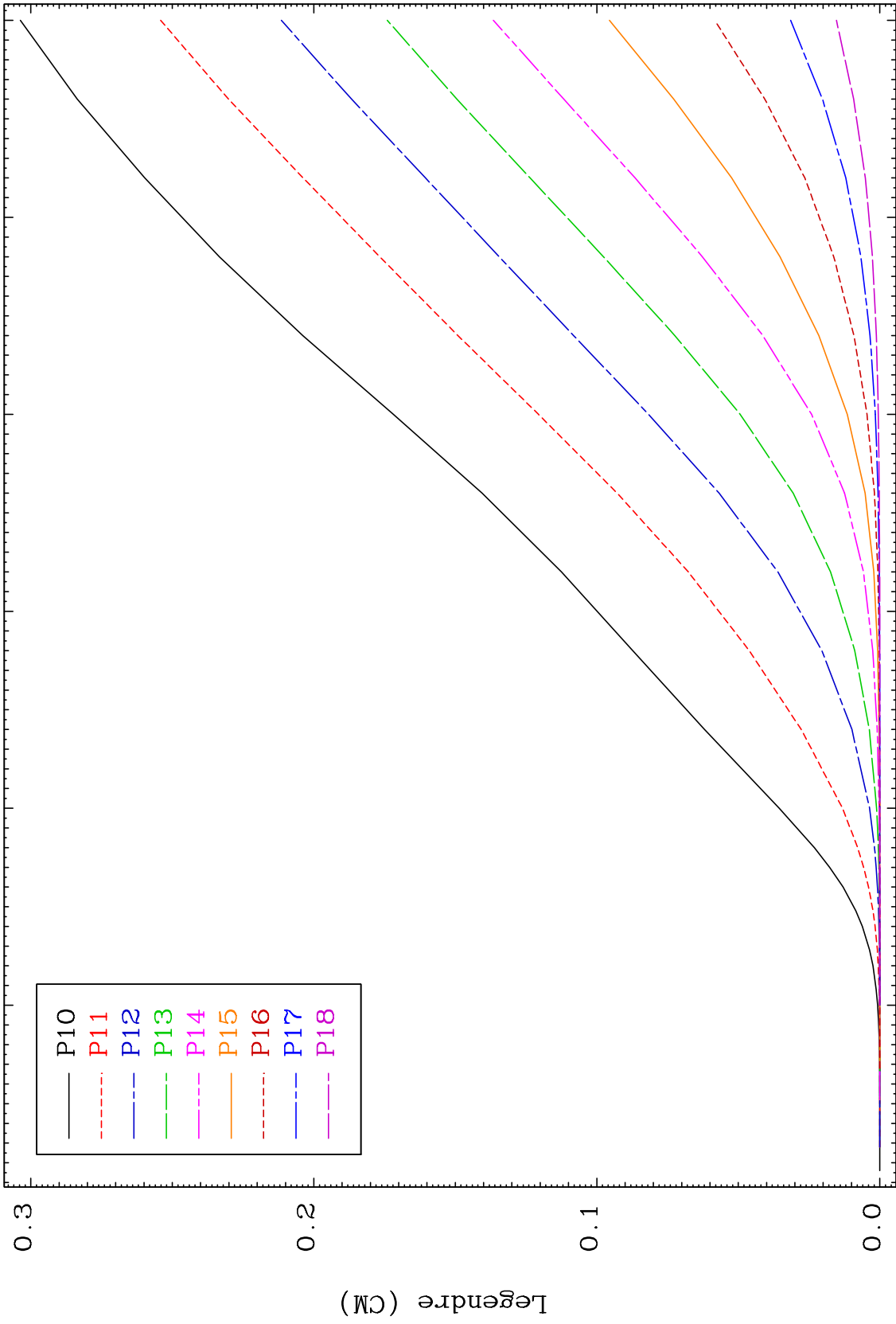
Incident Energy (MeV)

53-I -119

MAT 5301

Elastic Legendre Coefficients

53-I -119



17

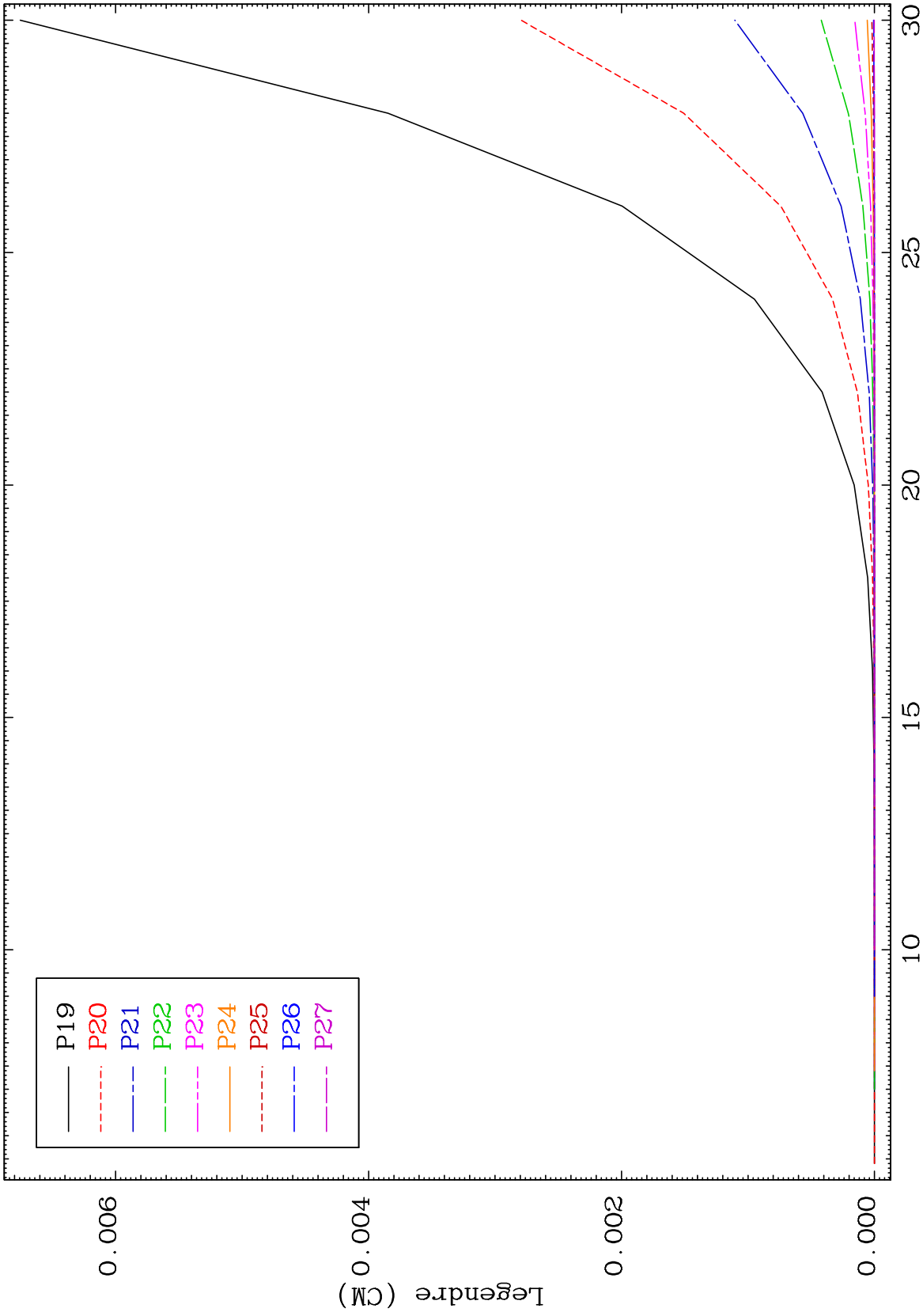
Incident Energy (MeV)

53-I -119

MAT 5301

Elastic Legendre Coefficients

53-I -119



18

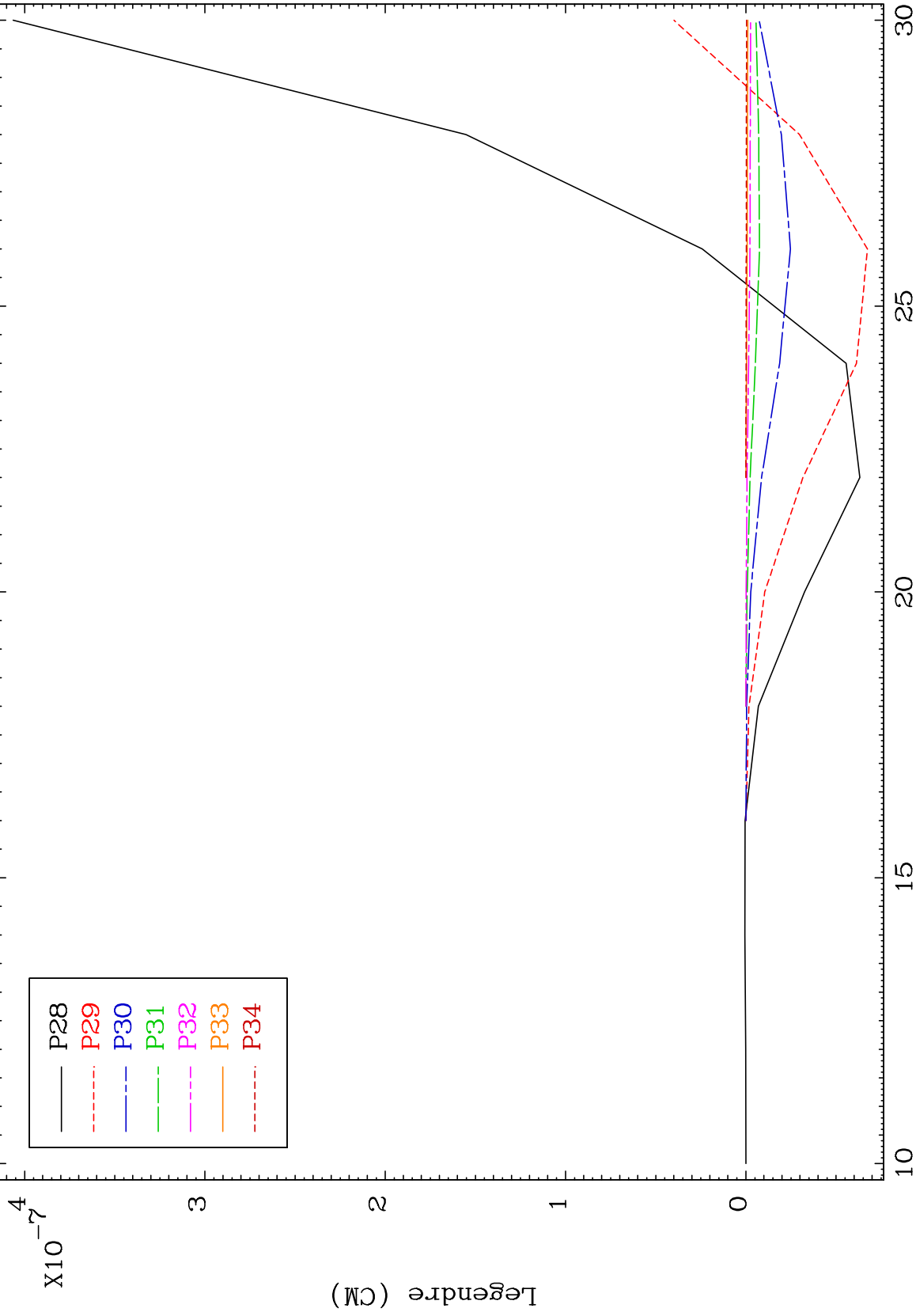
Incident Energy (MeV)

53-I -119

MAT 5301

Elastic Legendre Coefficients

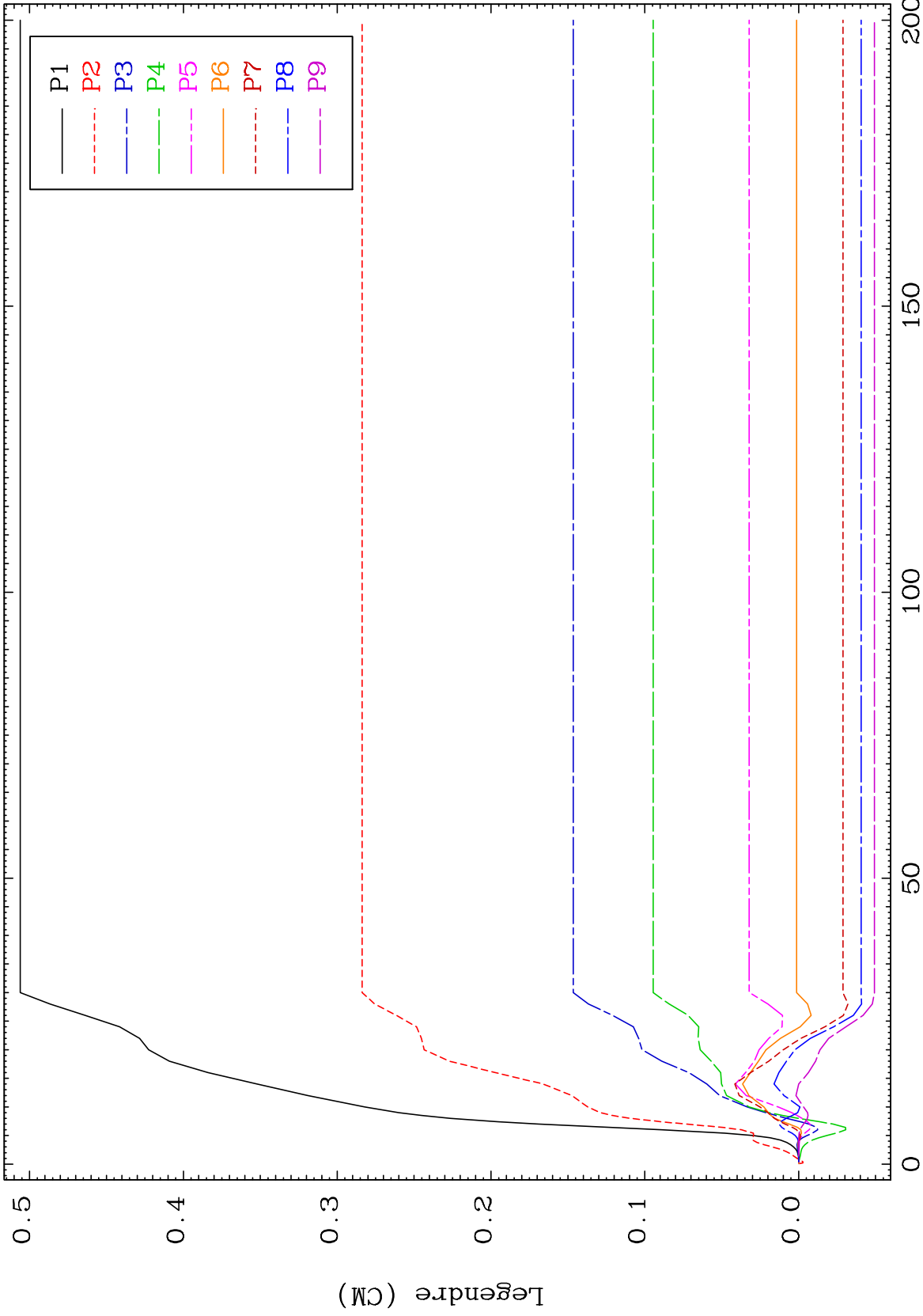
53-I -119



MAT 5301

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

53-I -119



53-I -119

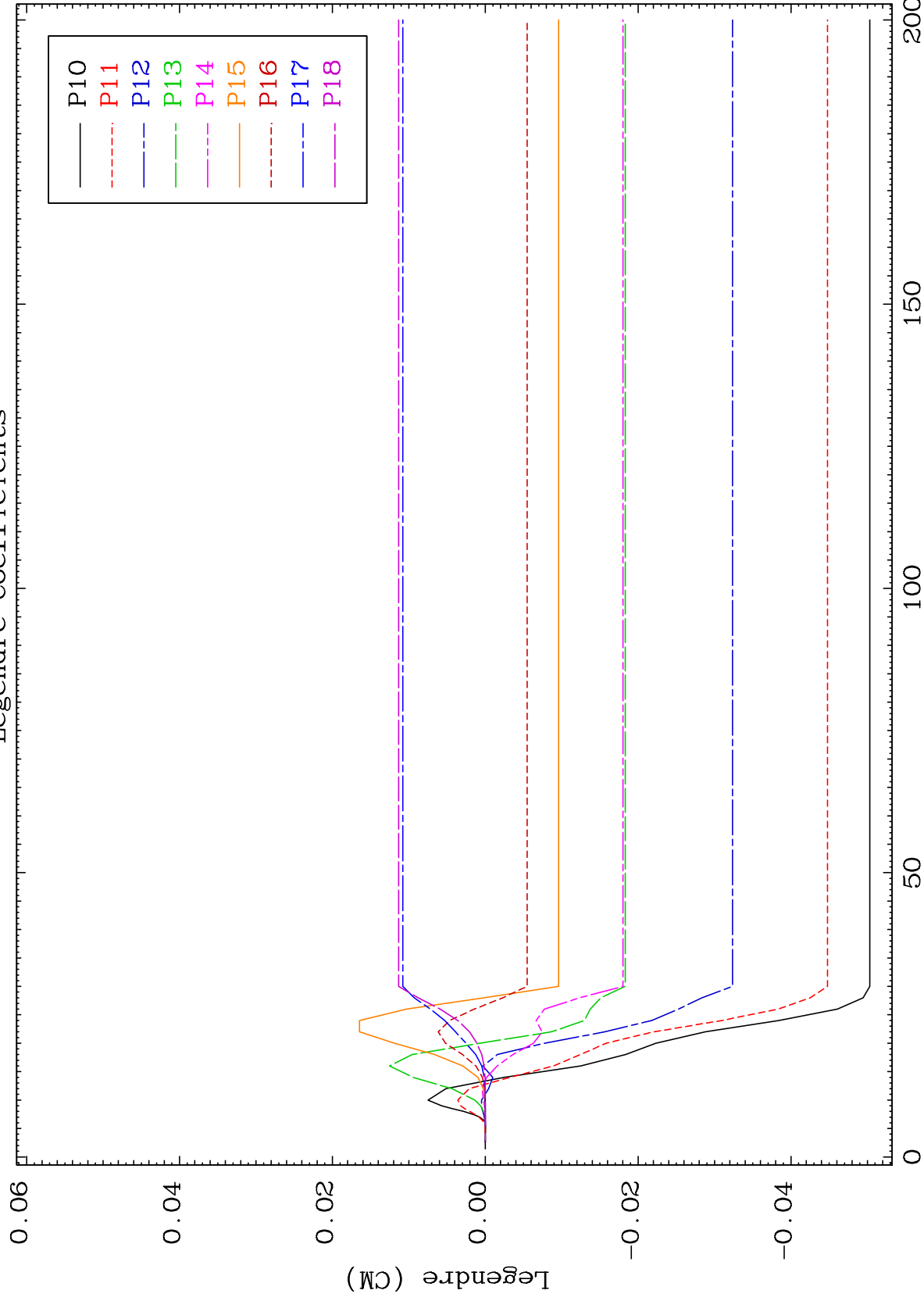
Incident Energy (MeV)

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MAT 5301

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

53-I -119



21

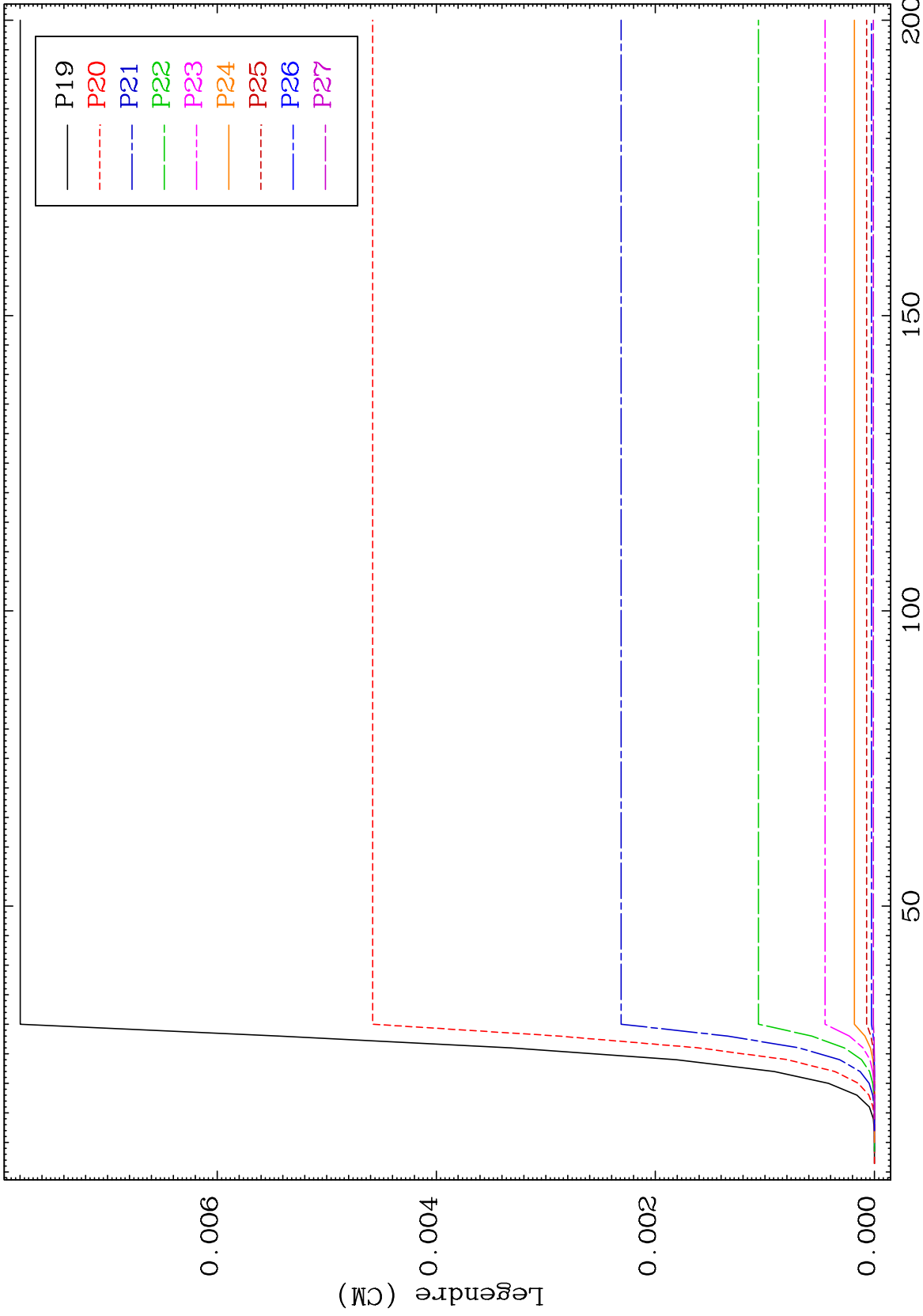
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



22

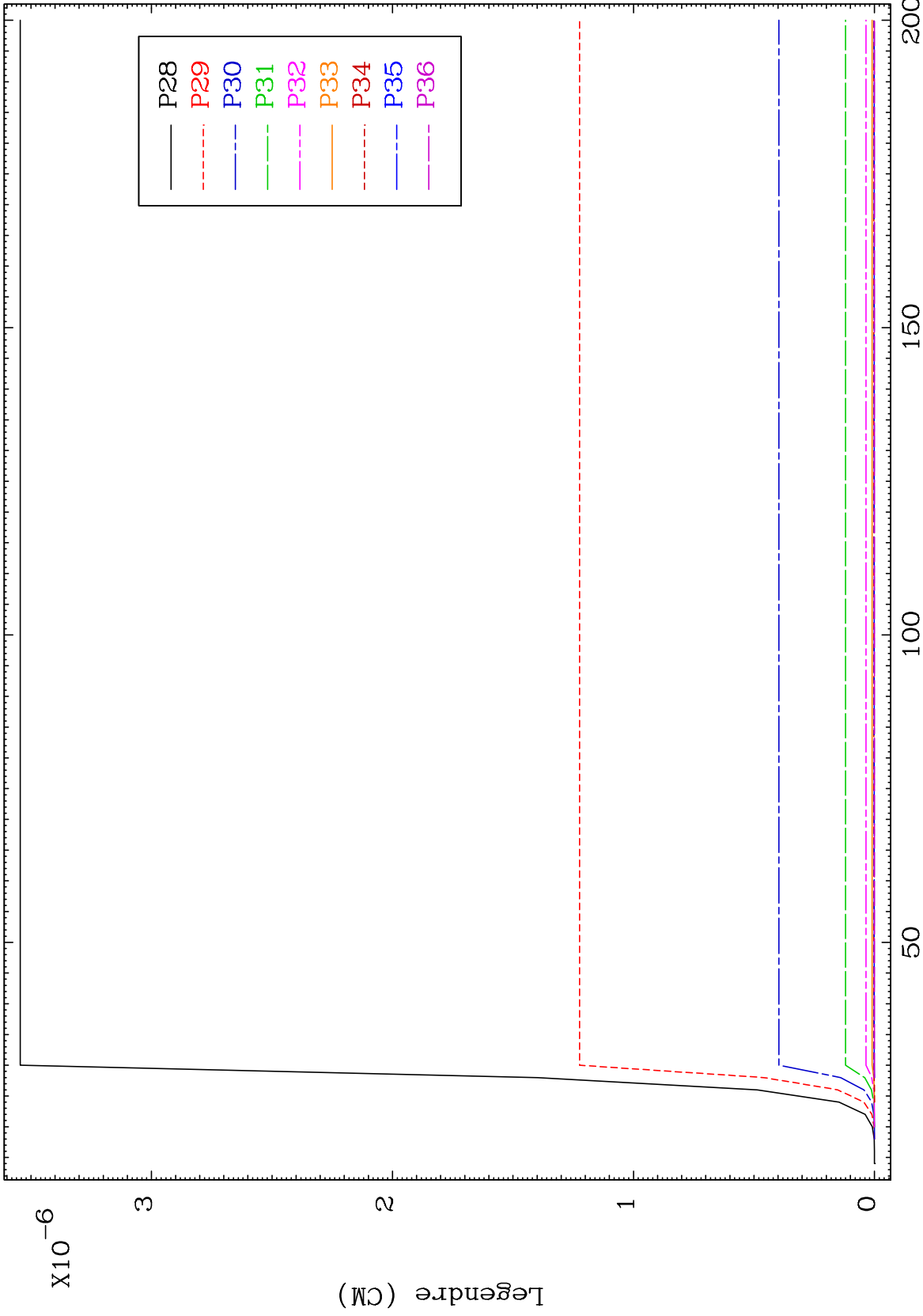
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



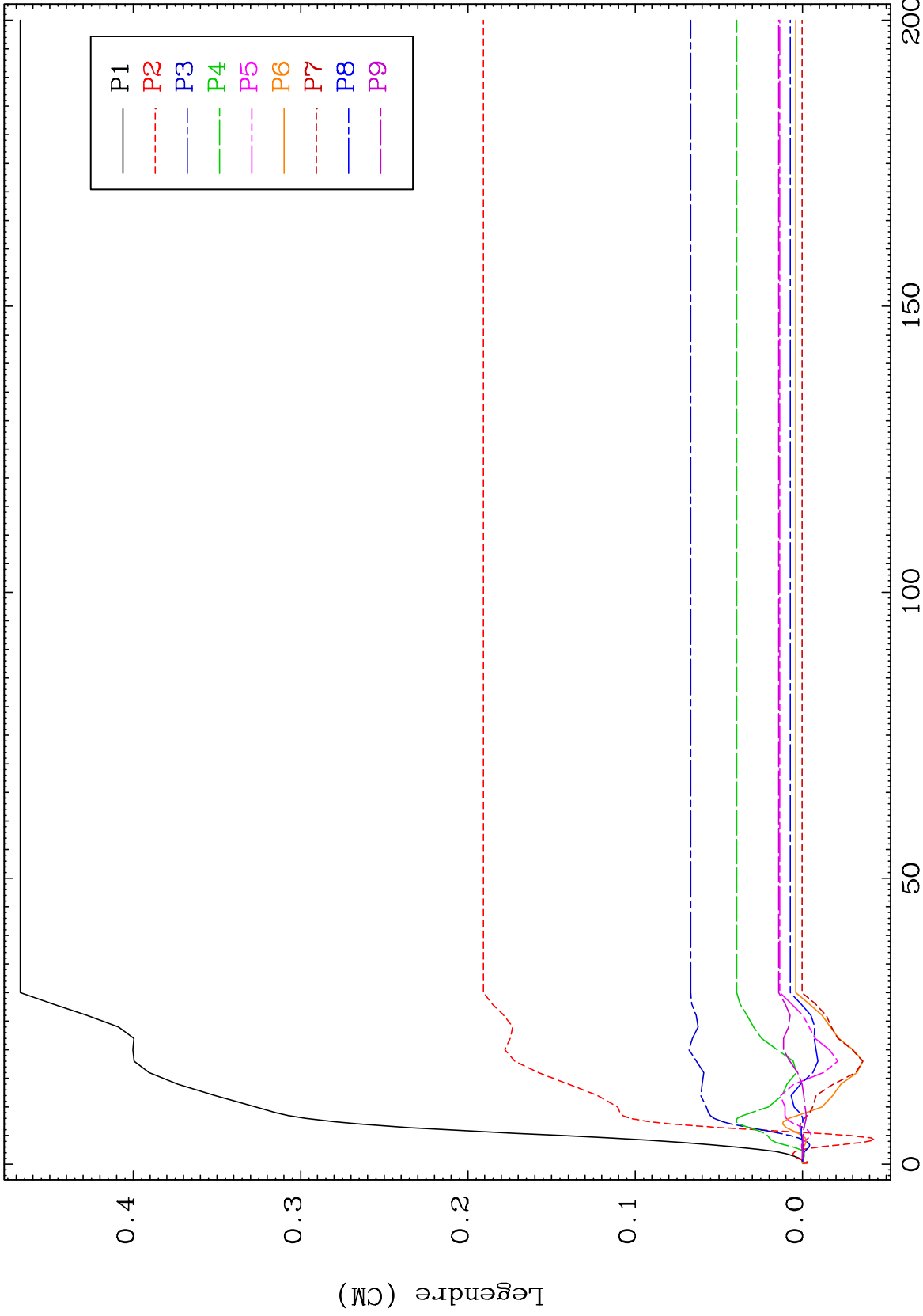
23

53-I -119

MAT 5301

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

53-I -119



24

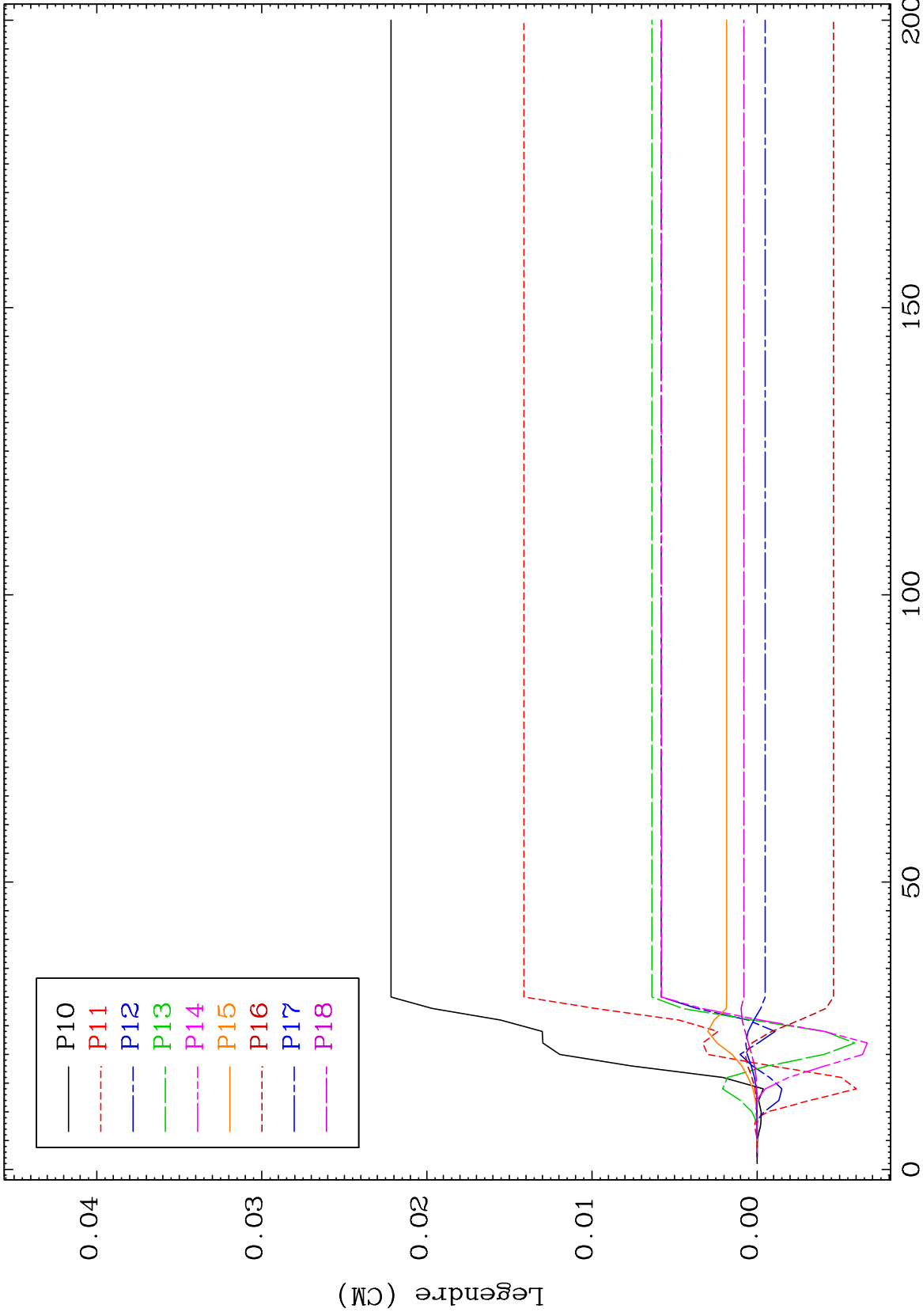
Incident Energy (MeV)

53-I -119

MAT 5301

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

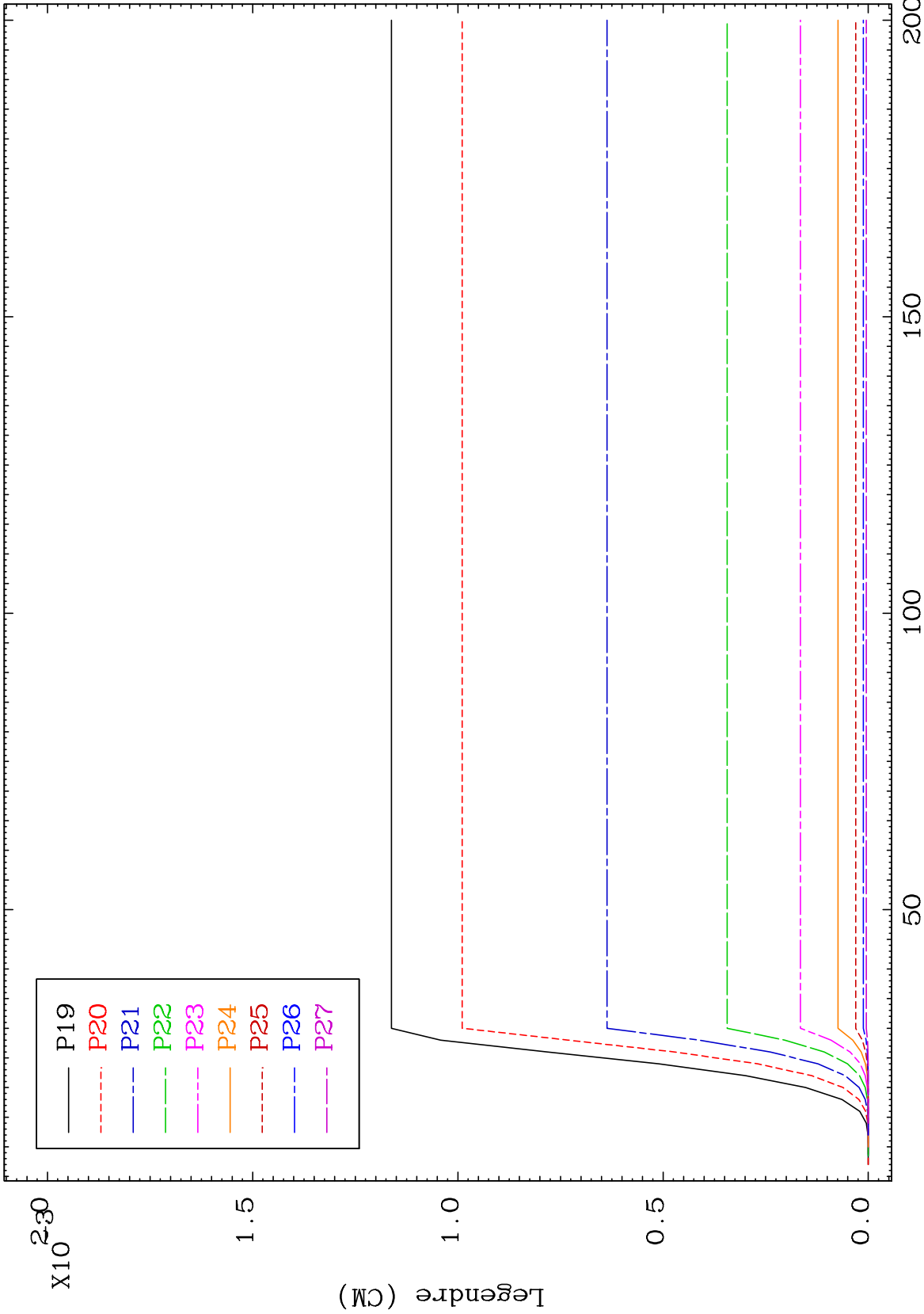
53-I -119



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Incident Energy (MeV)

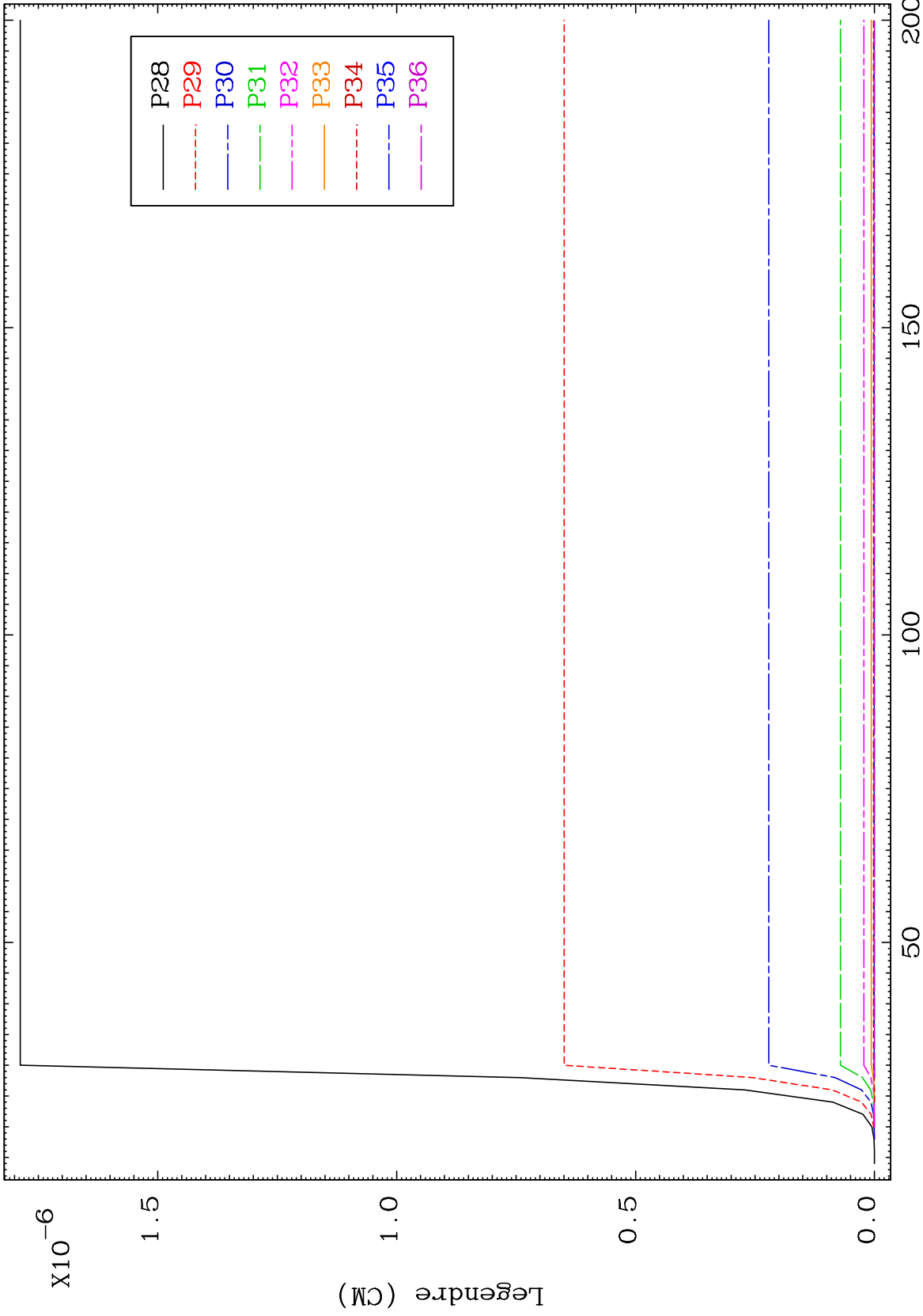
53-I -119



MAT 5301

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

53-I -119



27

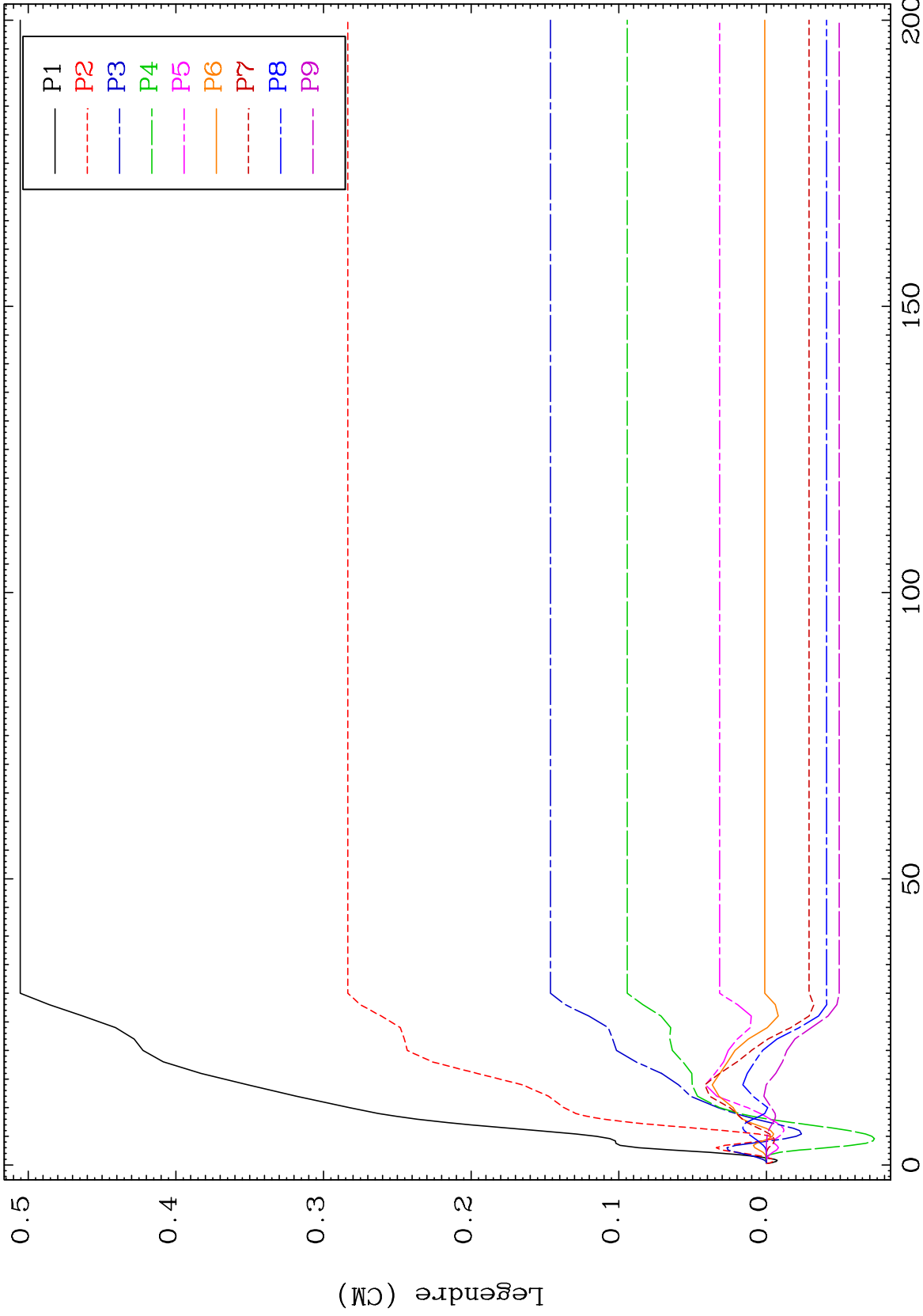
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



28

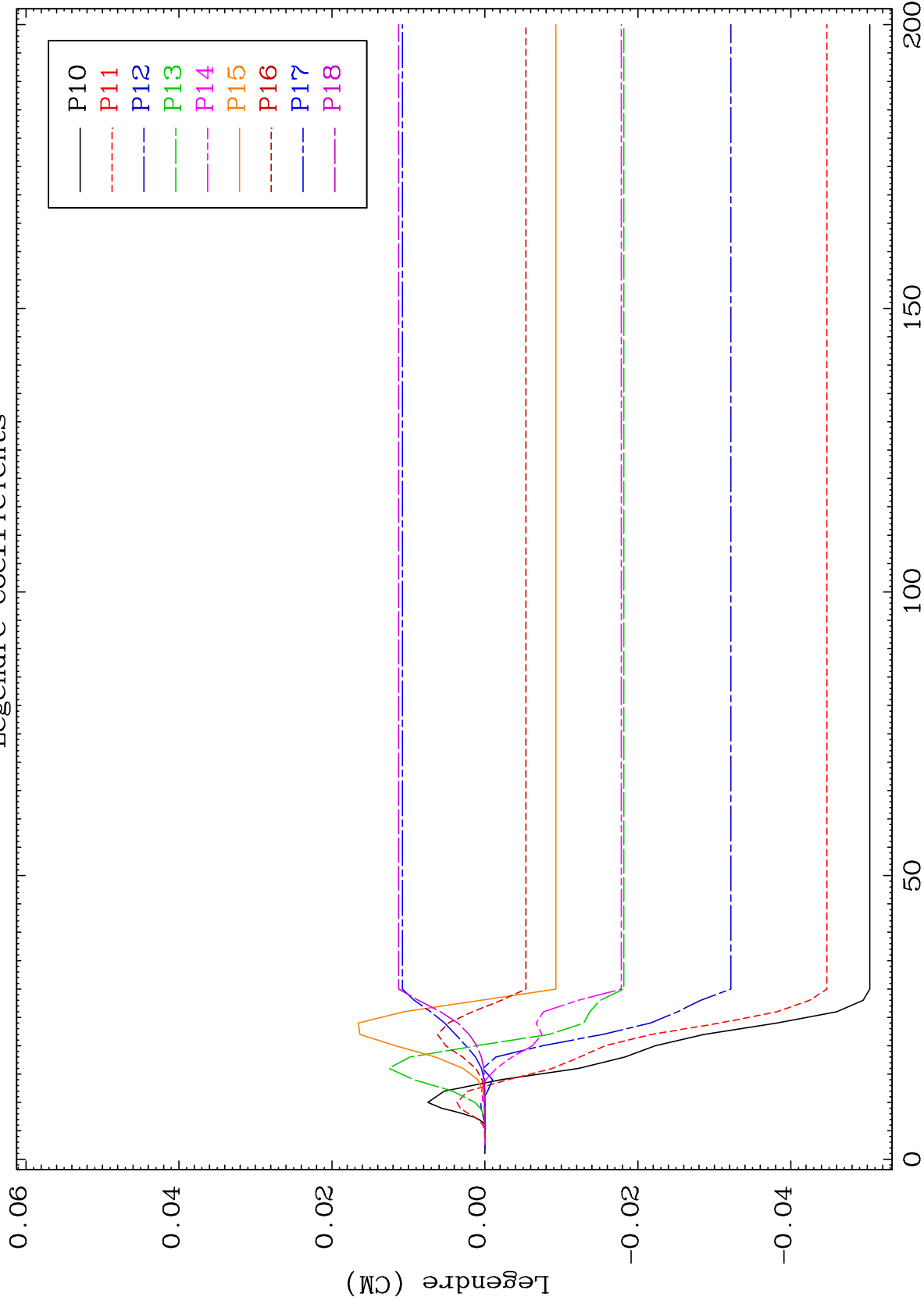
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



29

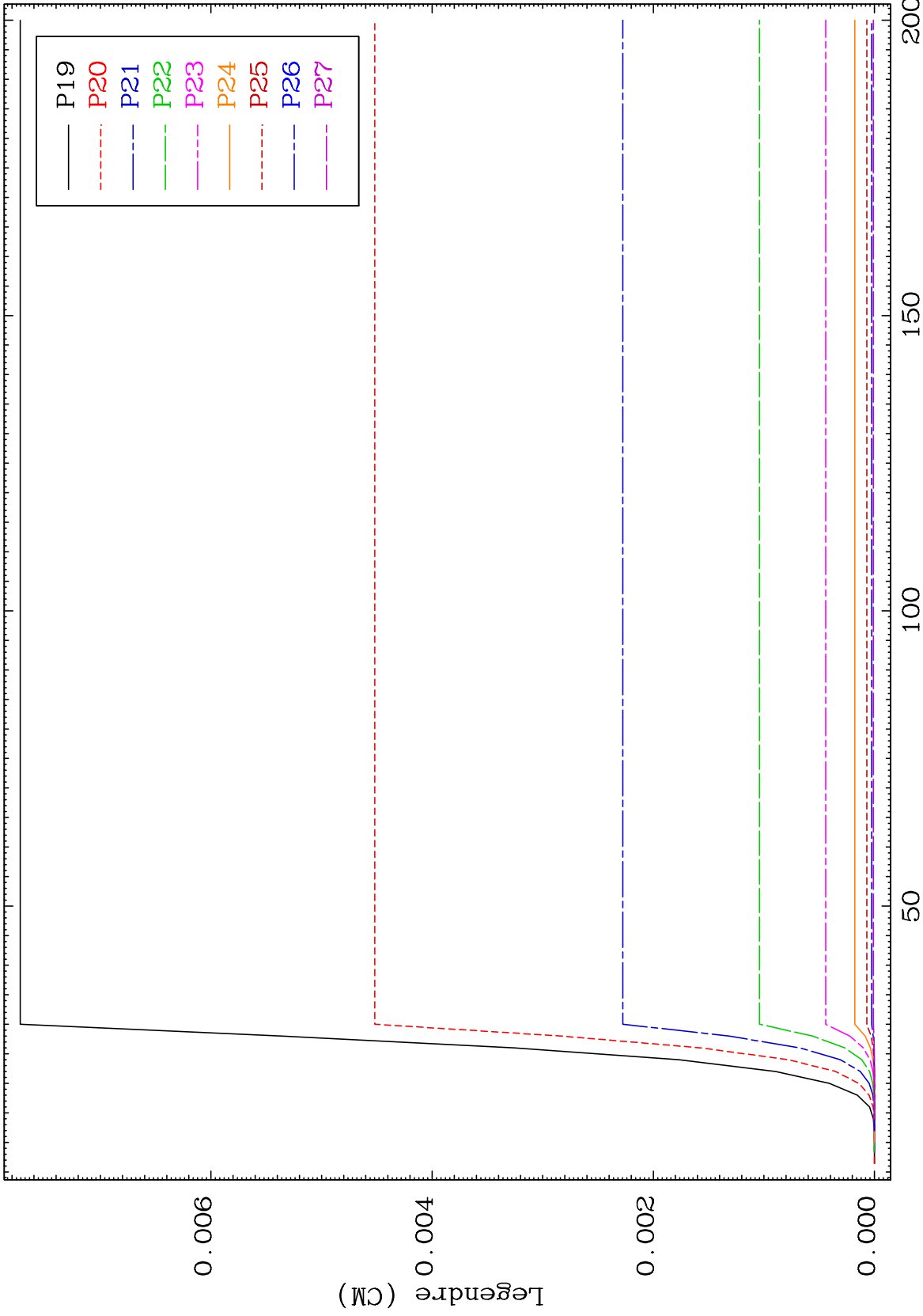
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



30

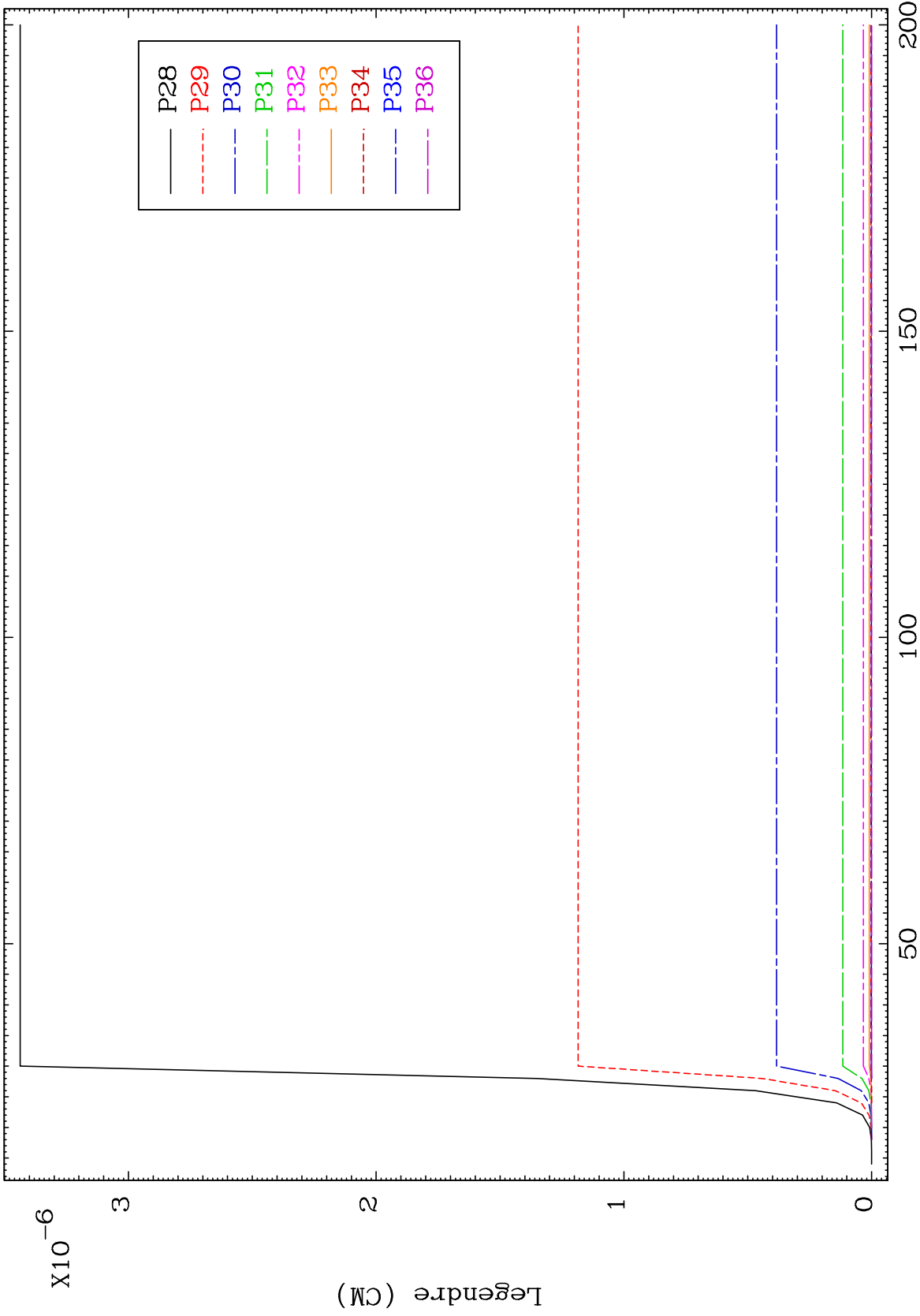
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



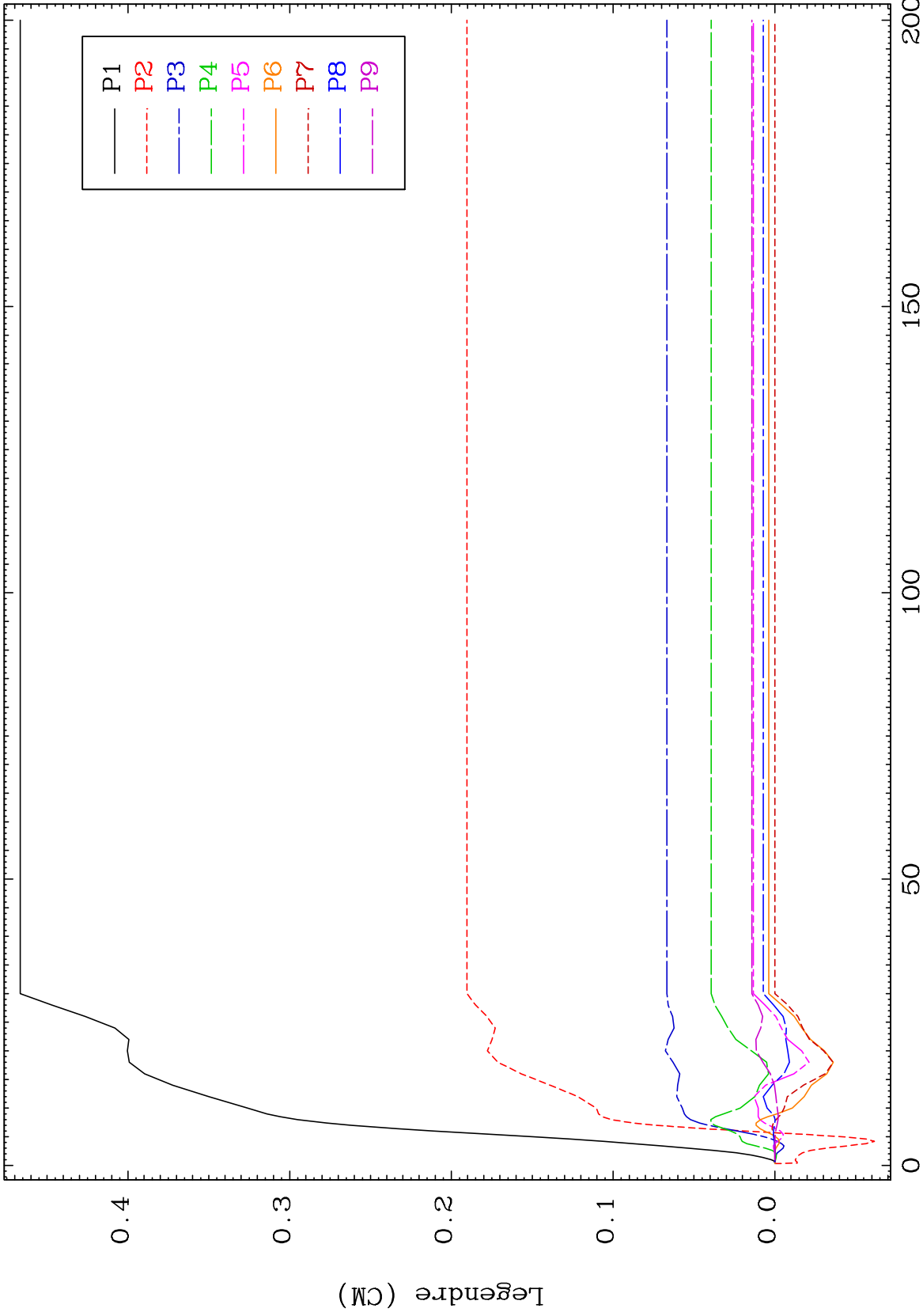
31

53-I -119

MAT 5301

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

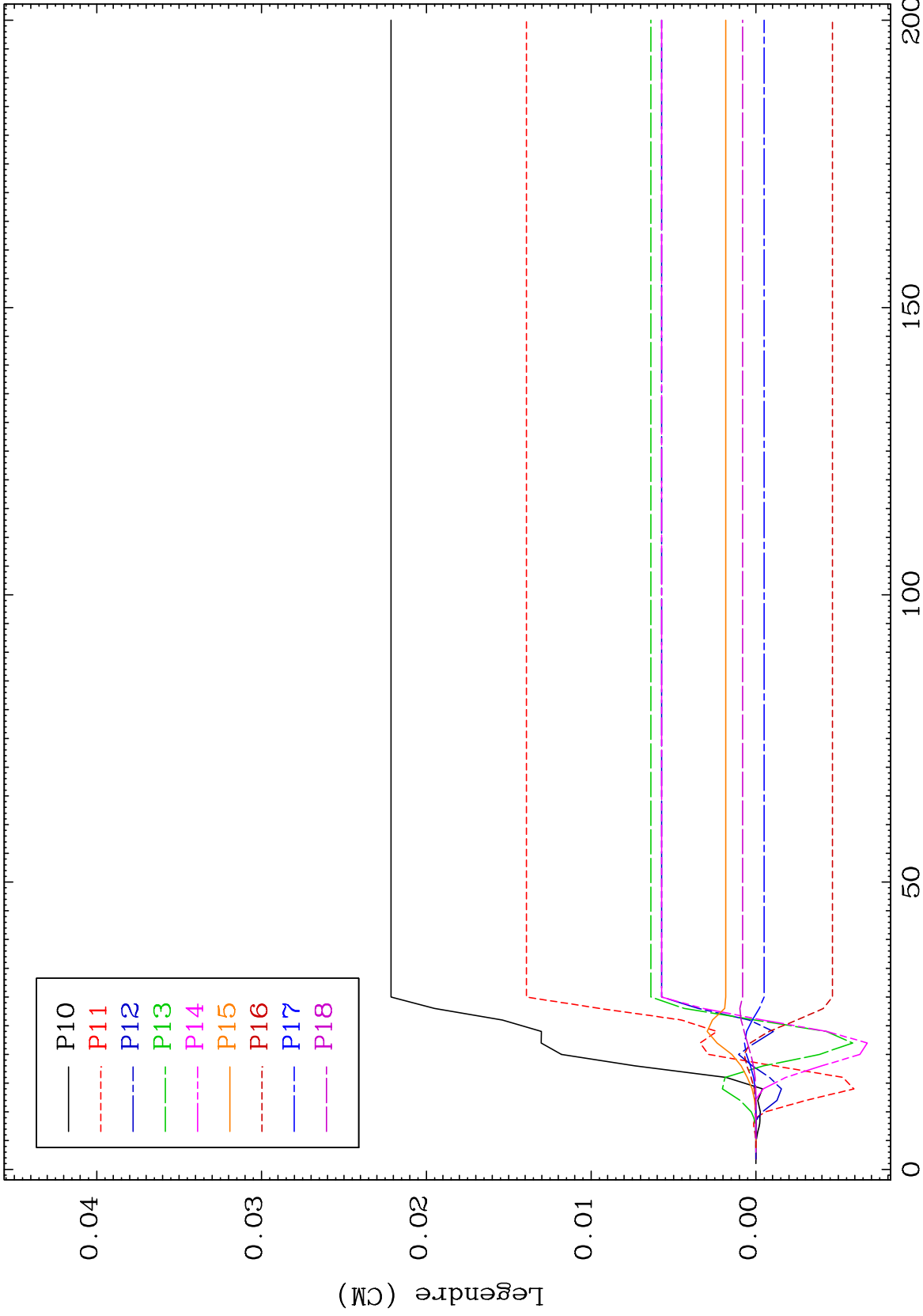
53-I -119

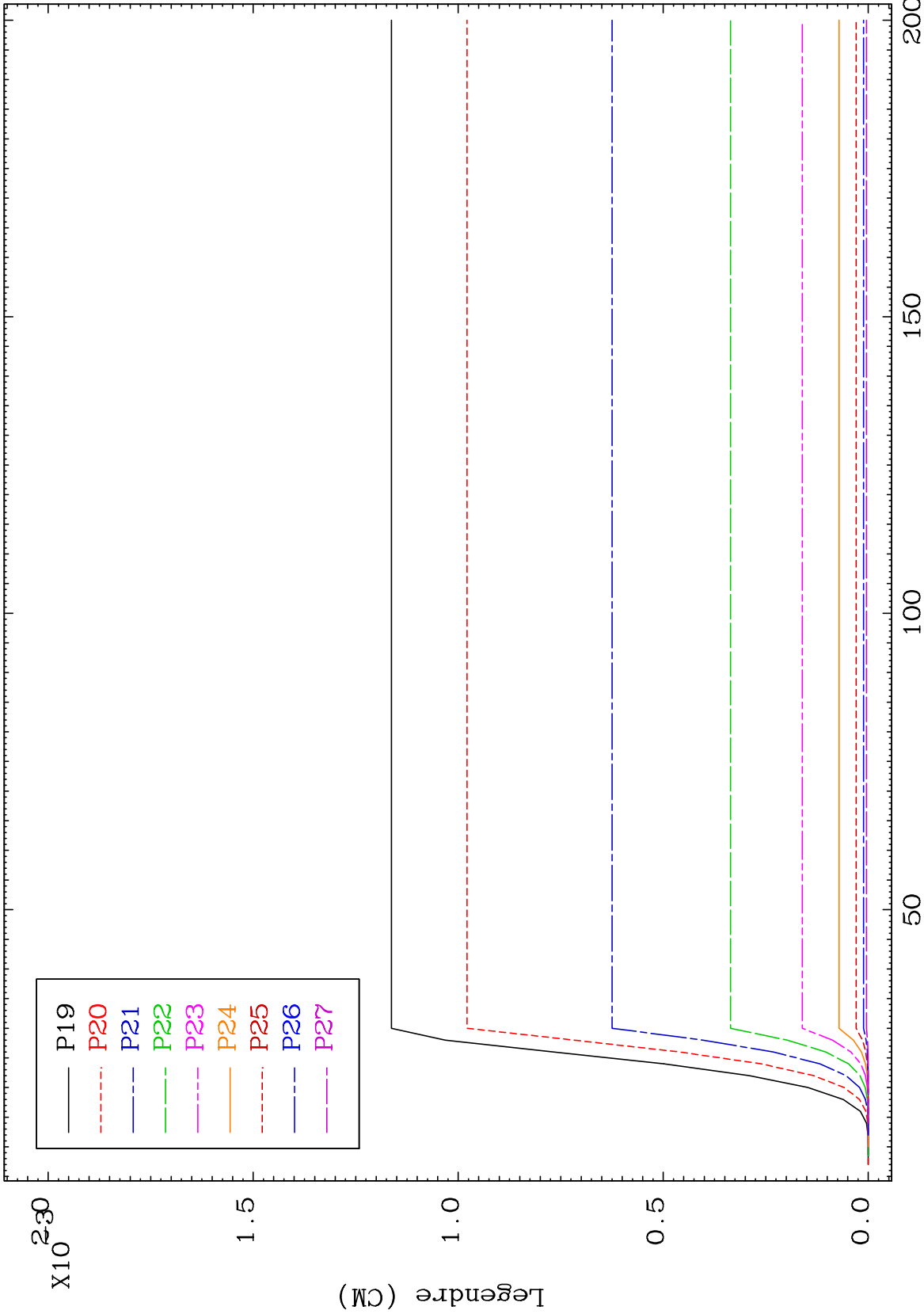


32

Incident Energy (MeV)

53-I -119

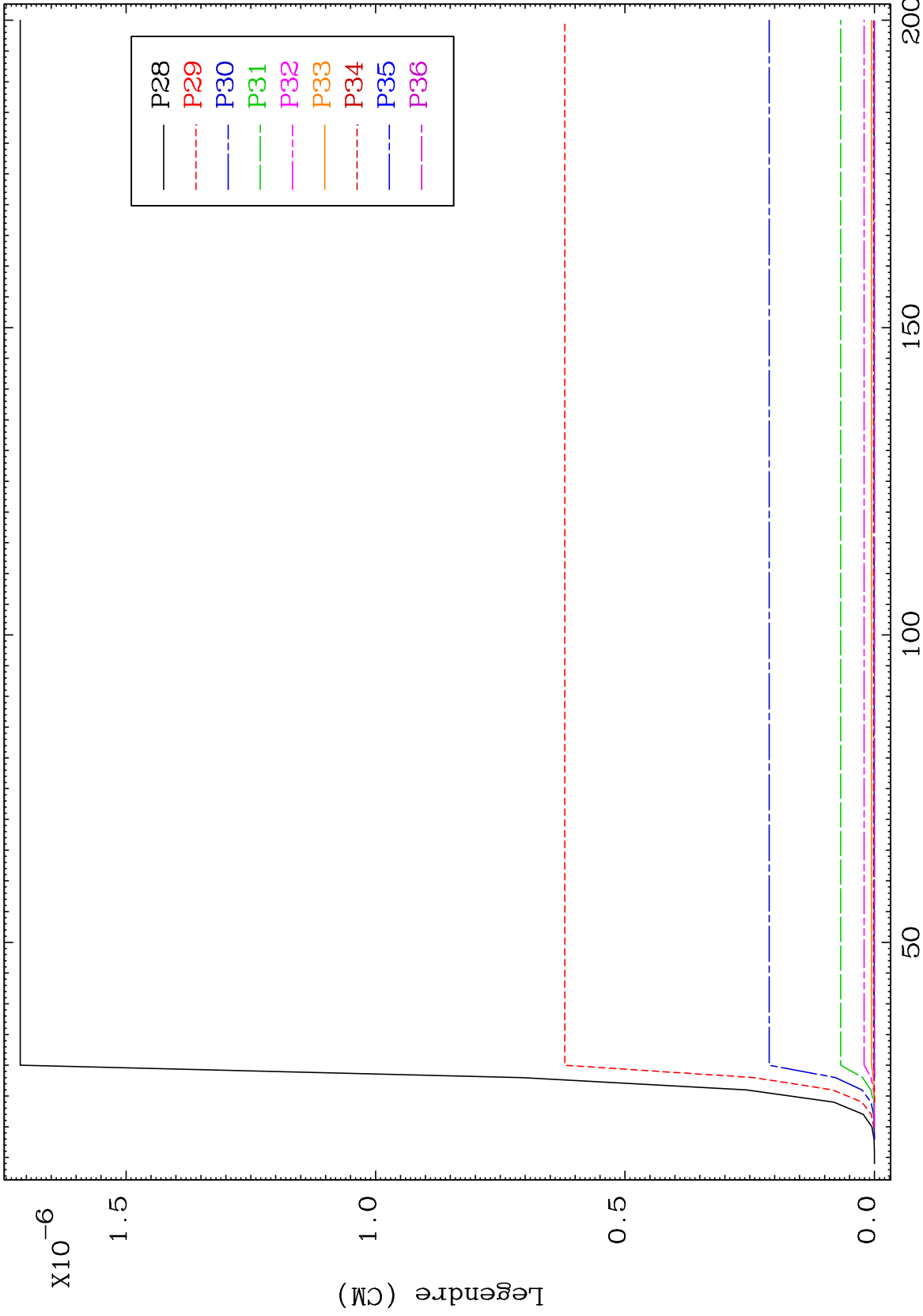




MAT 5301

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

53-I -119



35

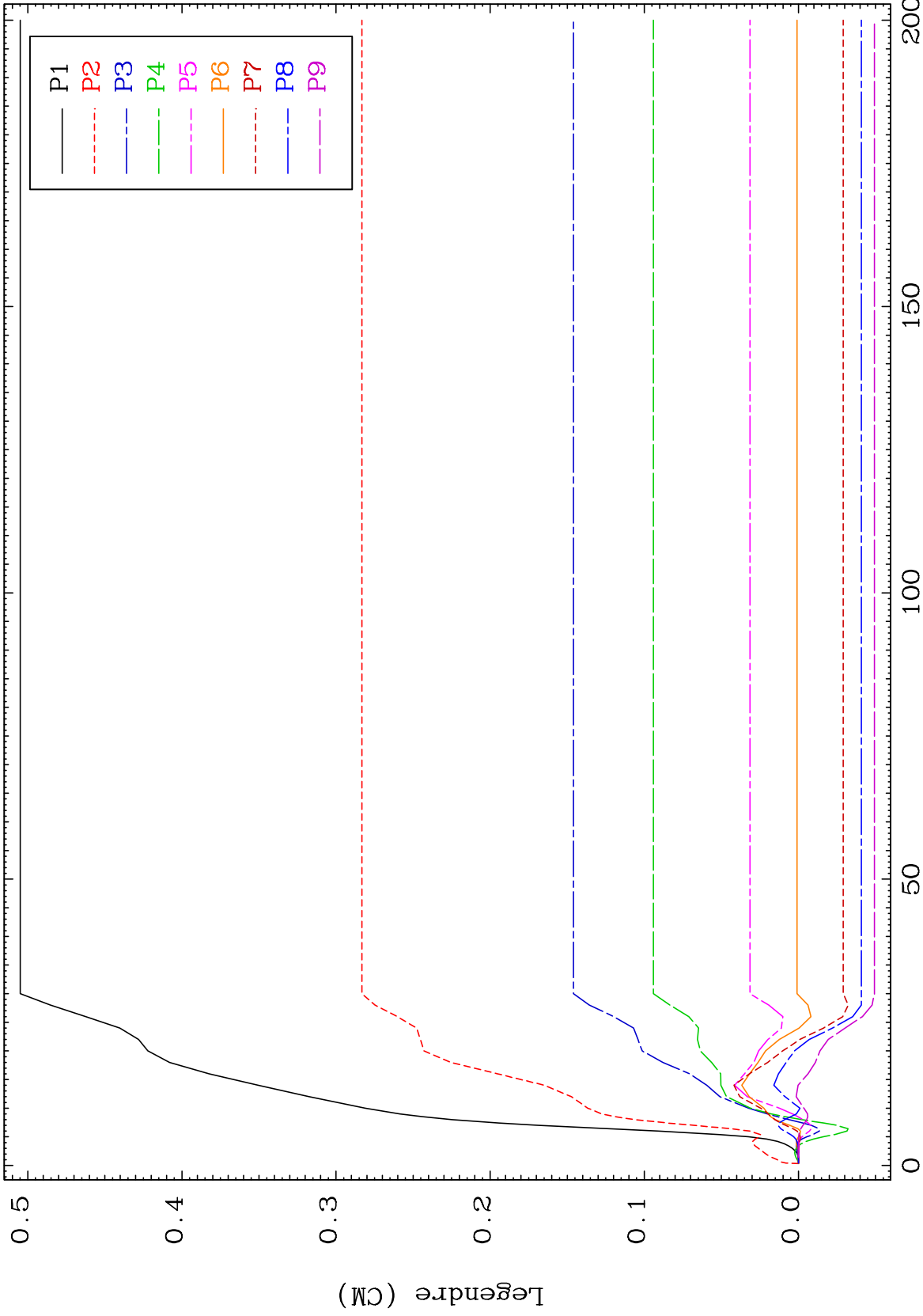
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



36

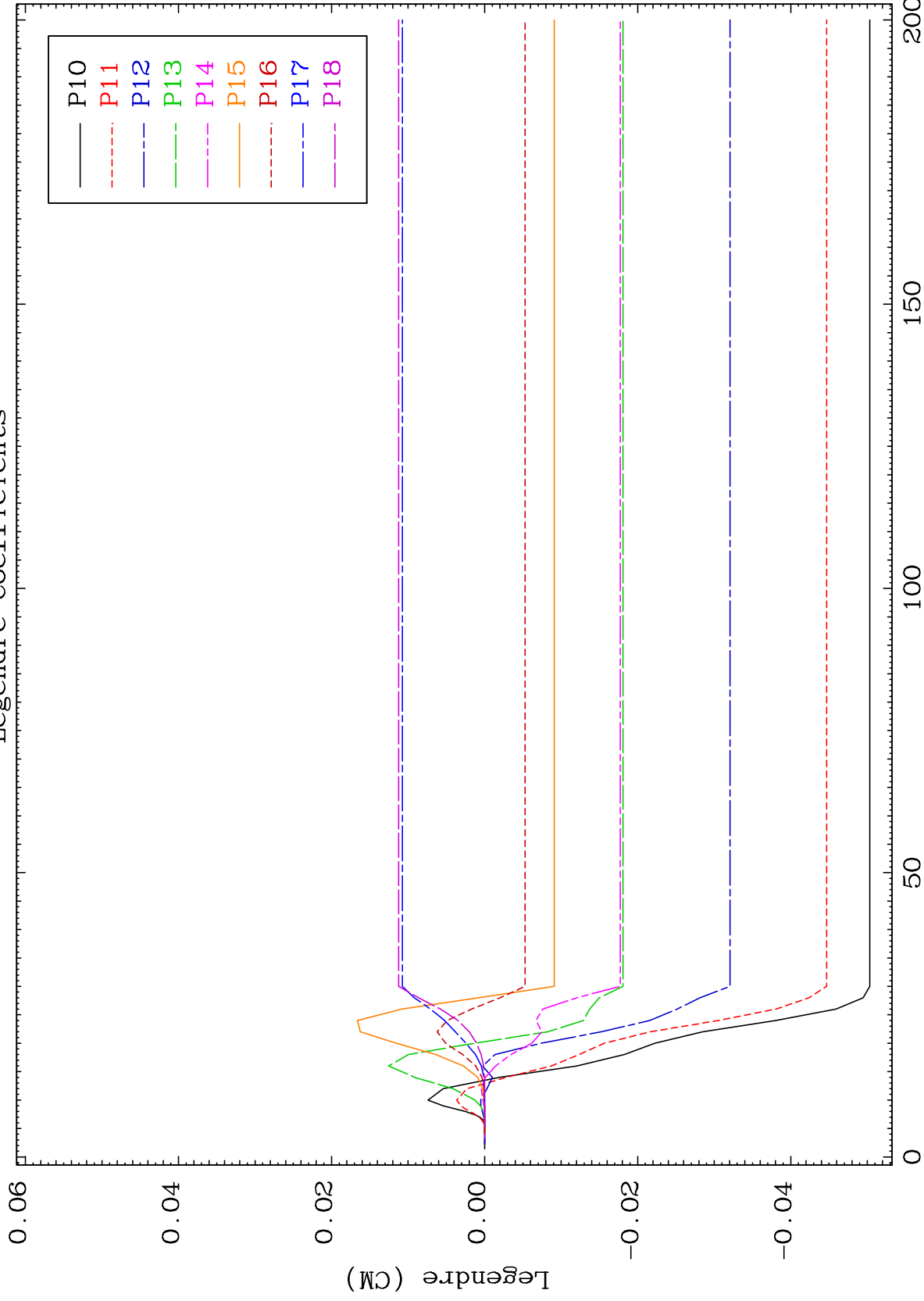
Incident Energy (MeV)

53-I -119

MAT 5301

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

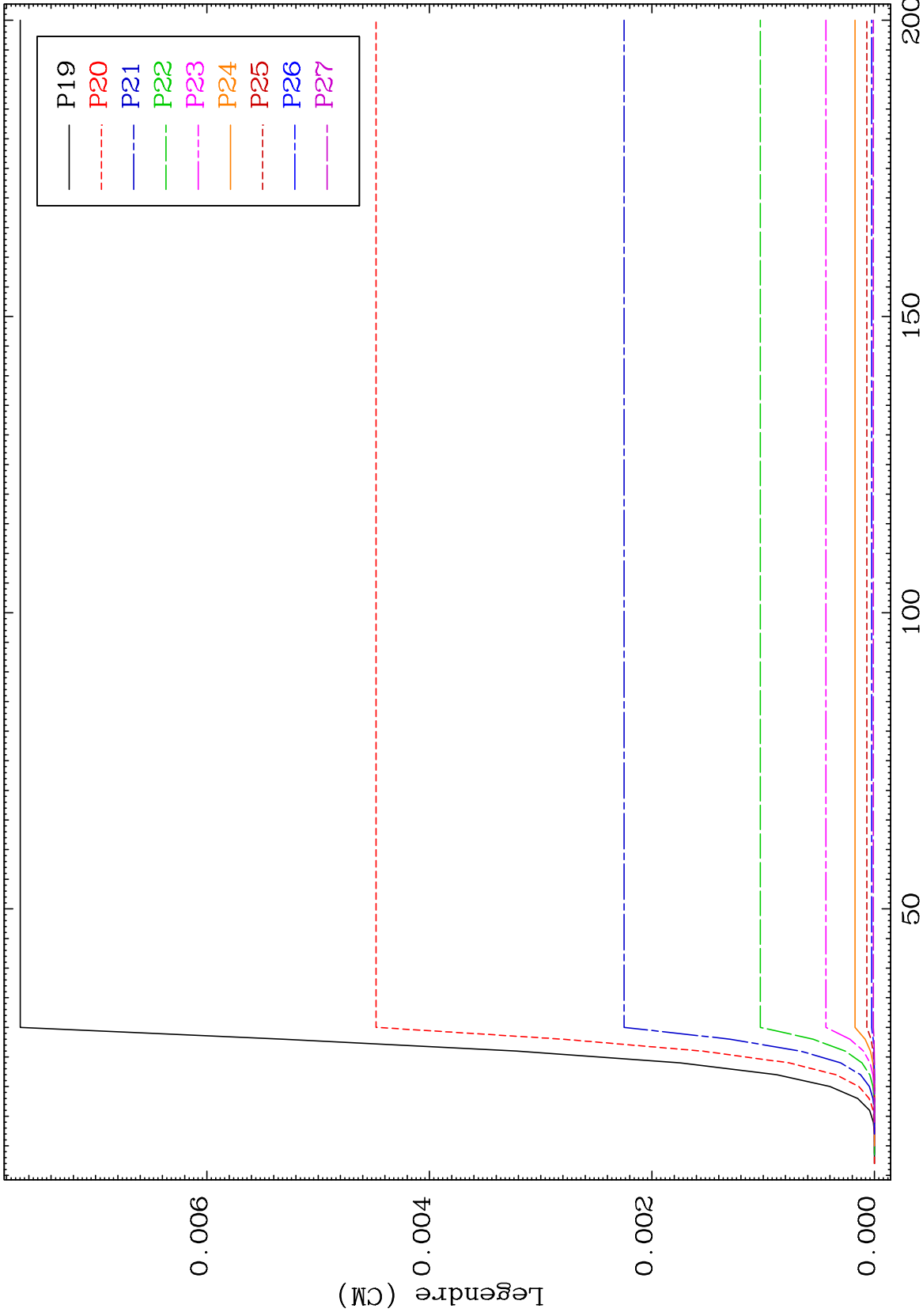
53-I -119

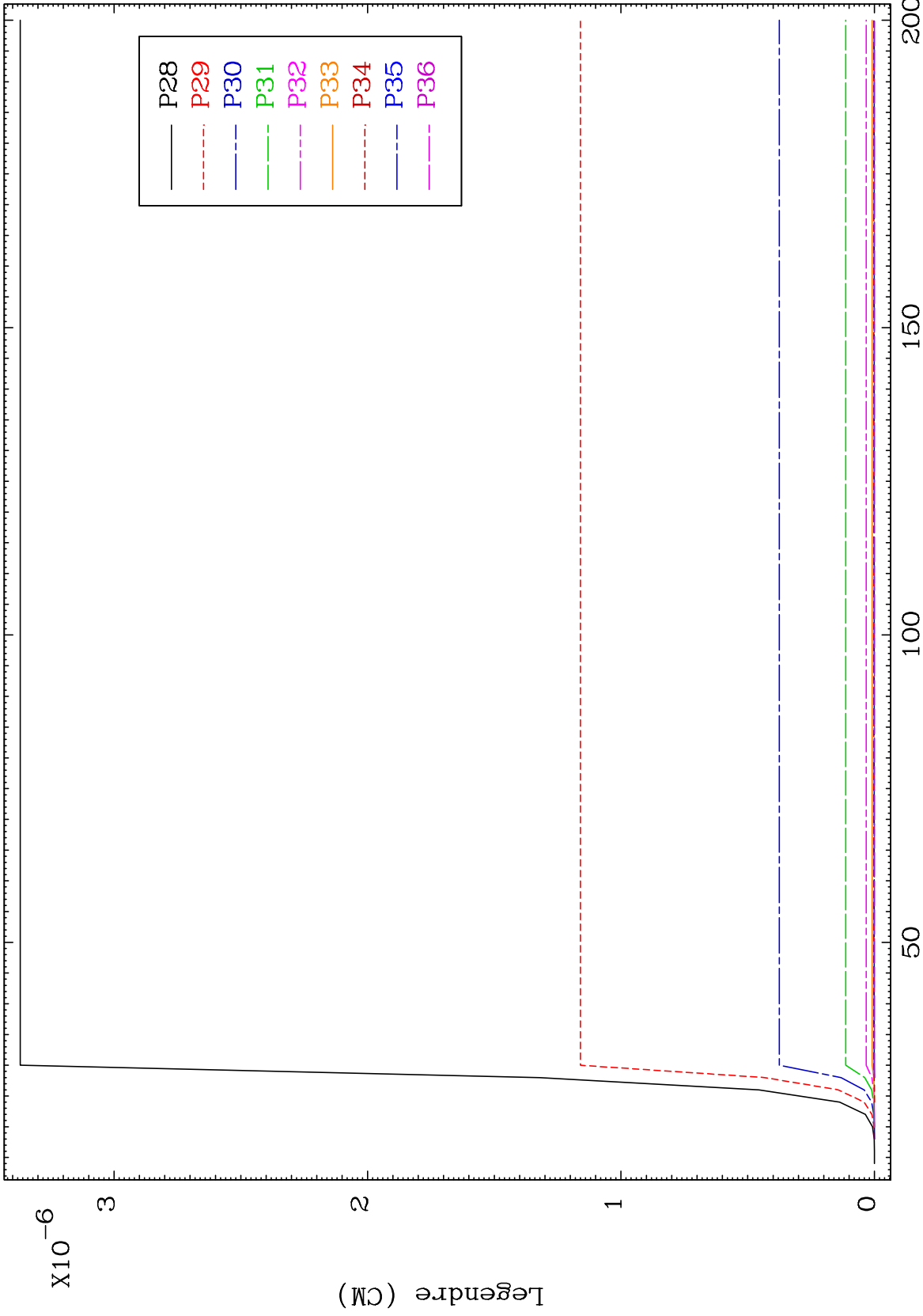


37

Incident Energy (MeV)

53-I -119

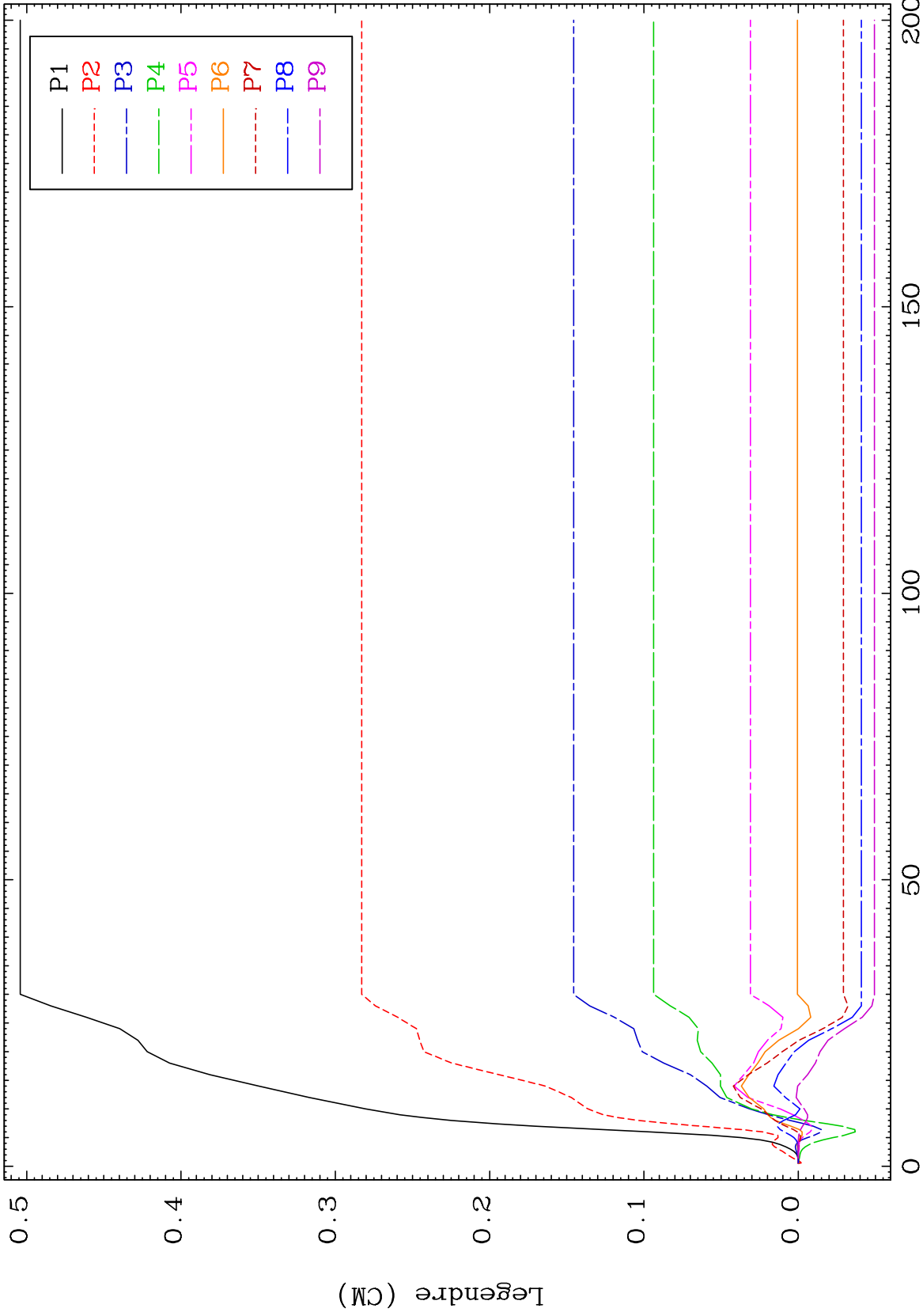




MAT 5301

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

53-I -119



40

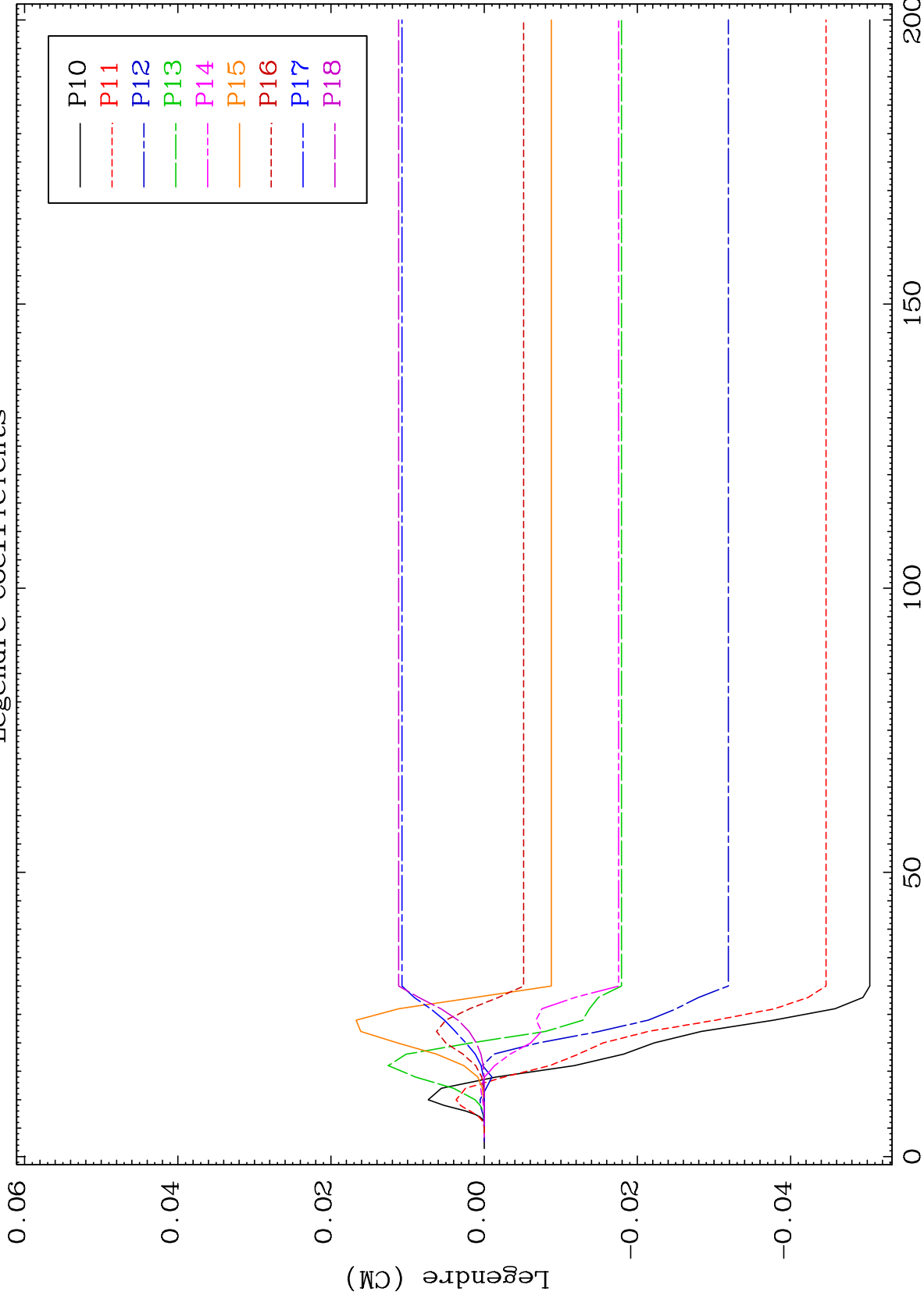
Incident Energy (MeV)

53-I -119

MAT 5301

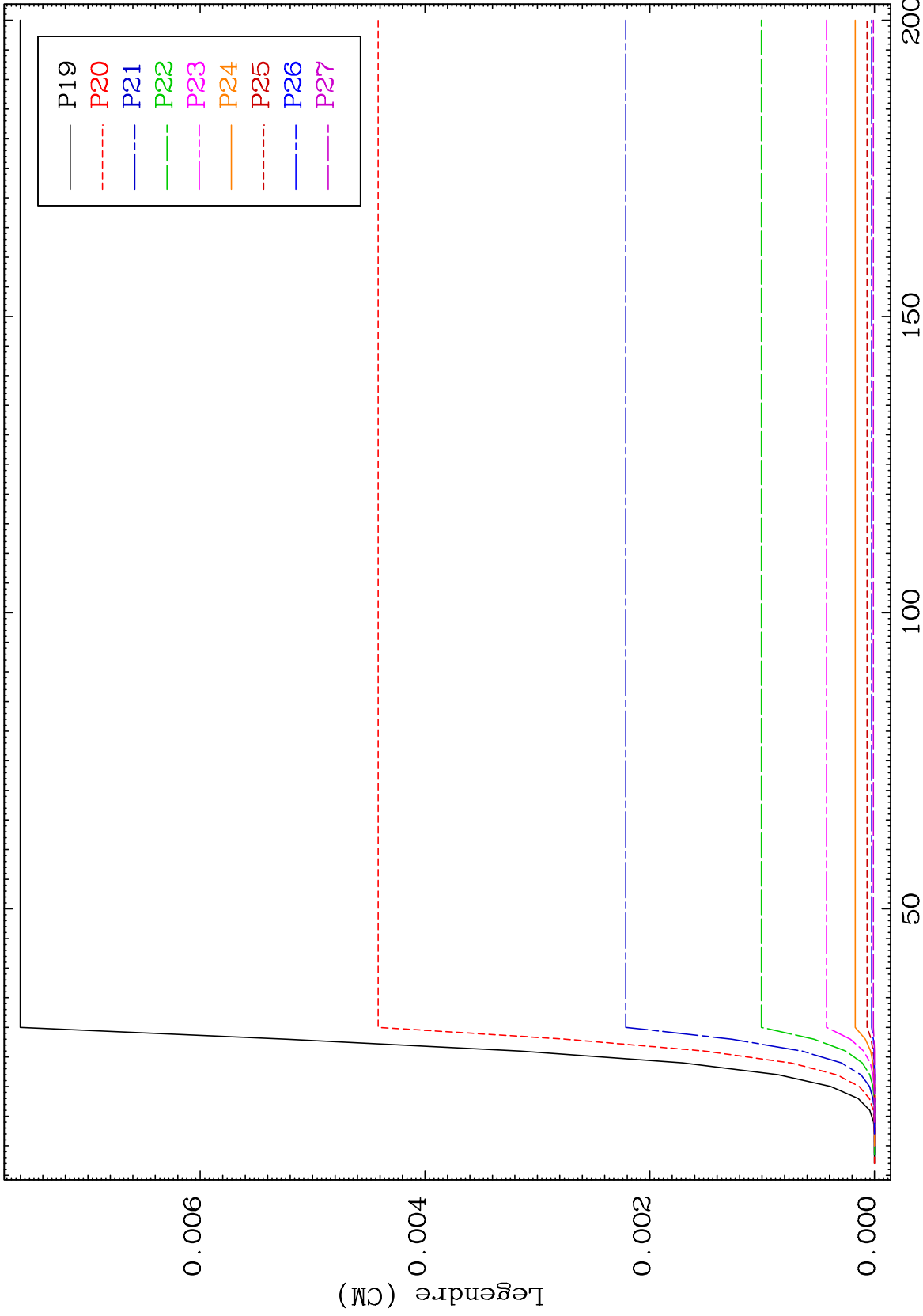
MT= 56 (n,n') Level
Legendre Coefficients

53-I -119



41

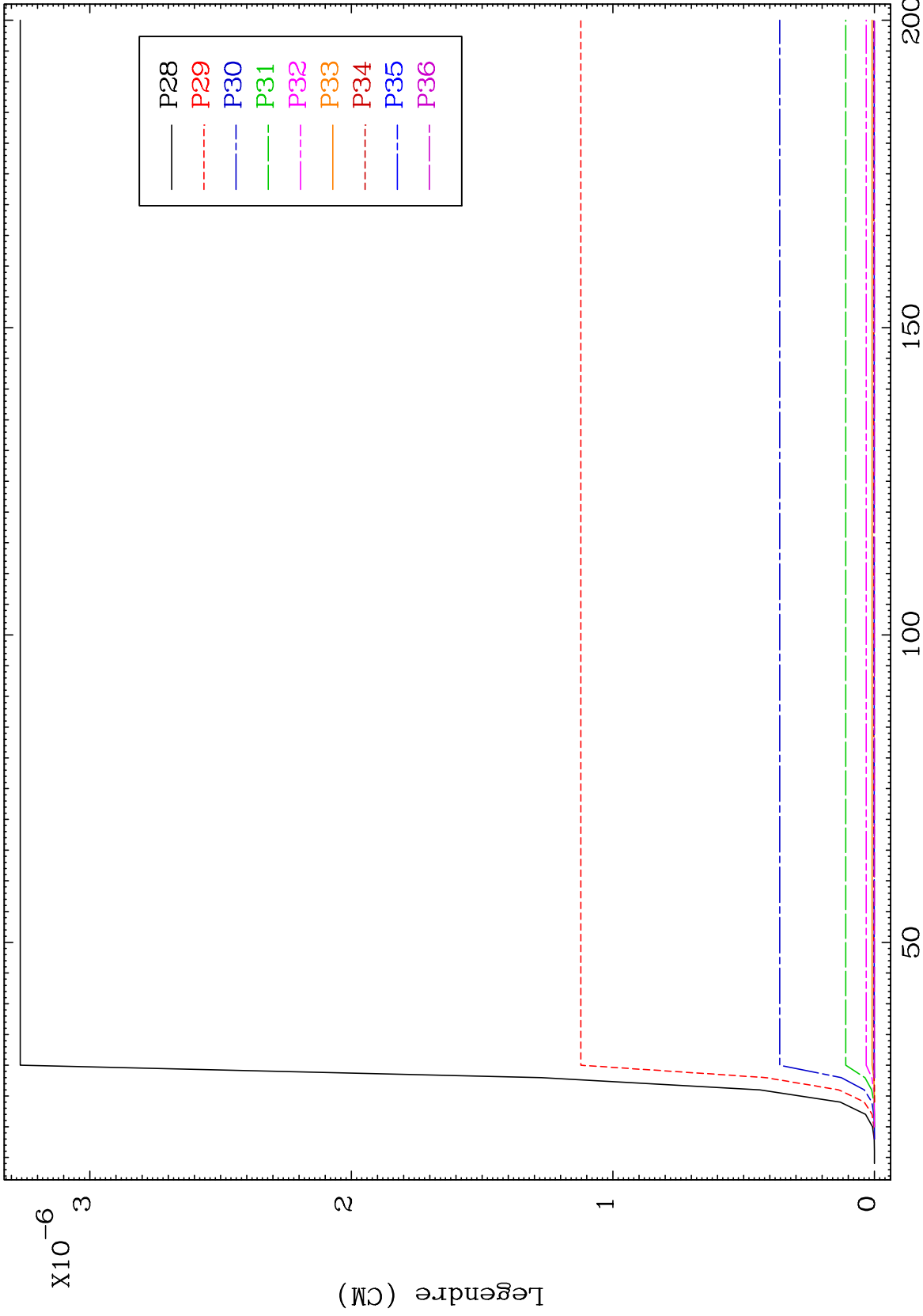
53-I -119



MAT 5301

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

53-I -119



43

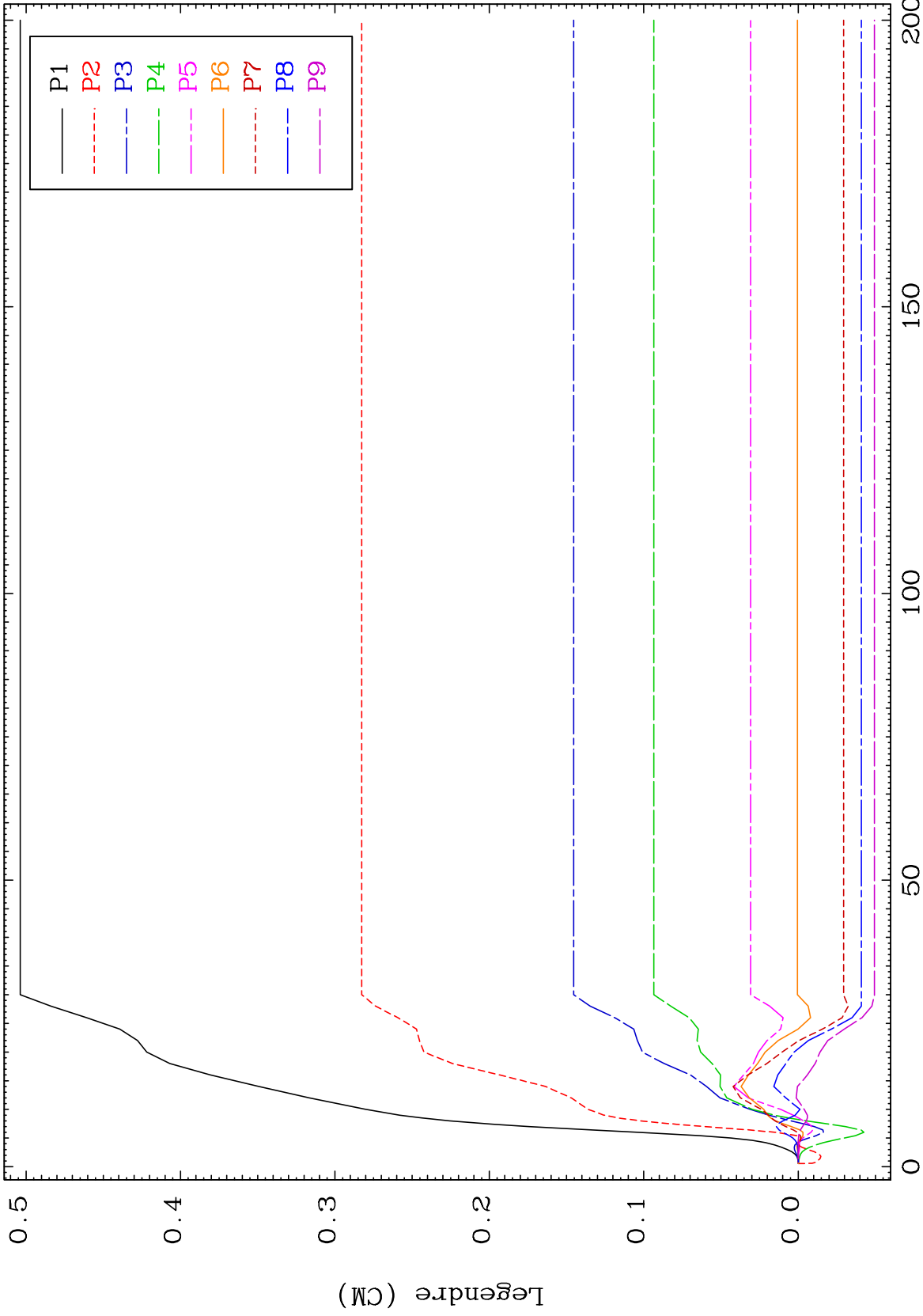
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



44

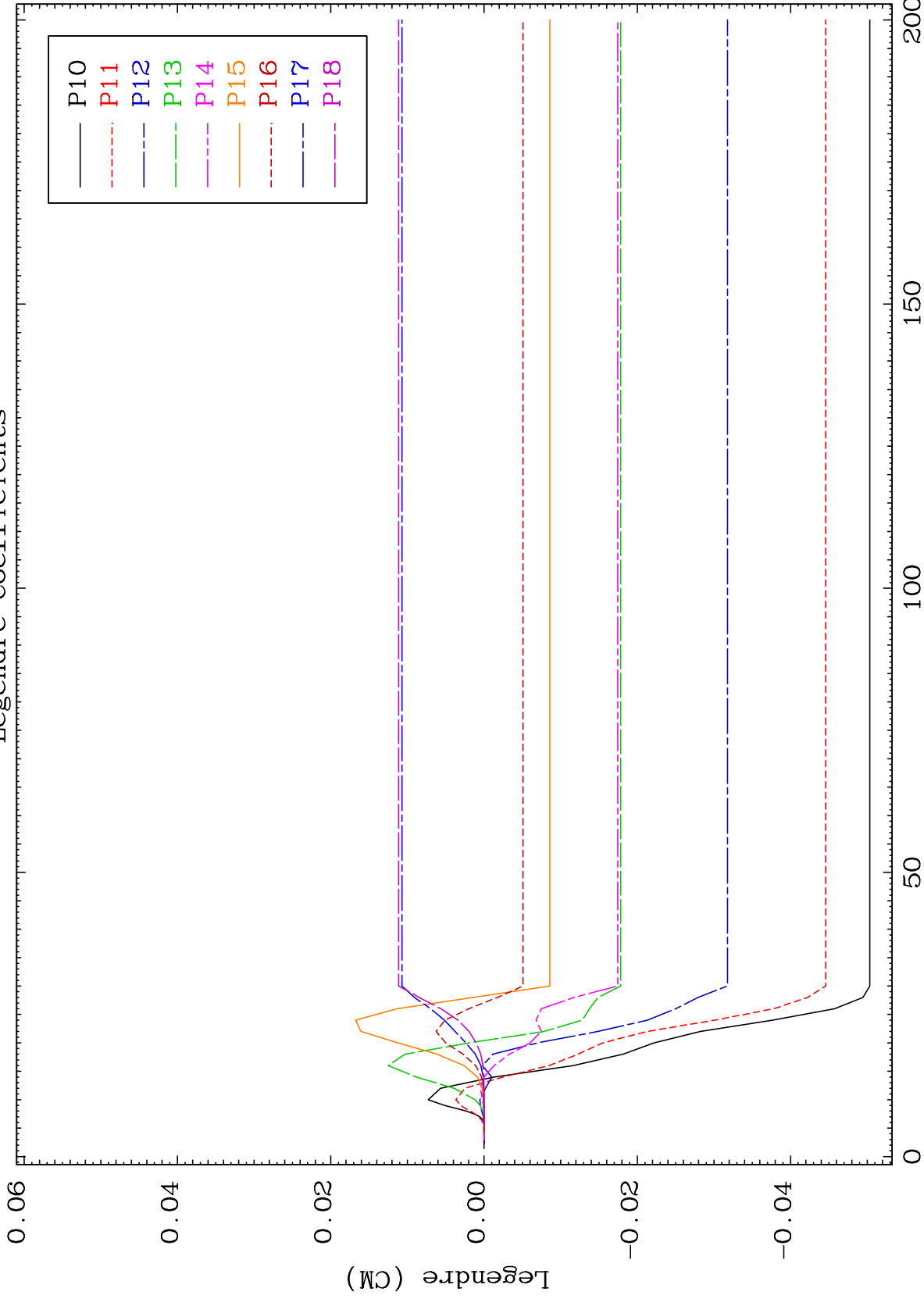
Incident Energy (MeV)

53-I -119

MAT 5301

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

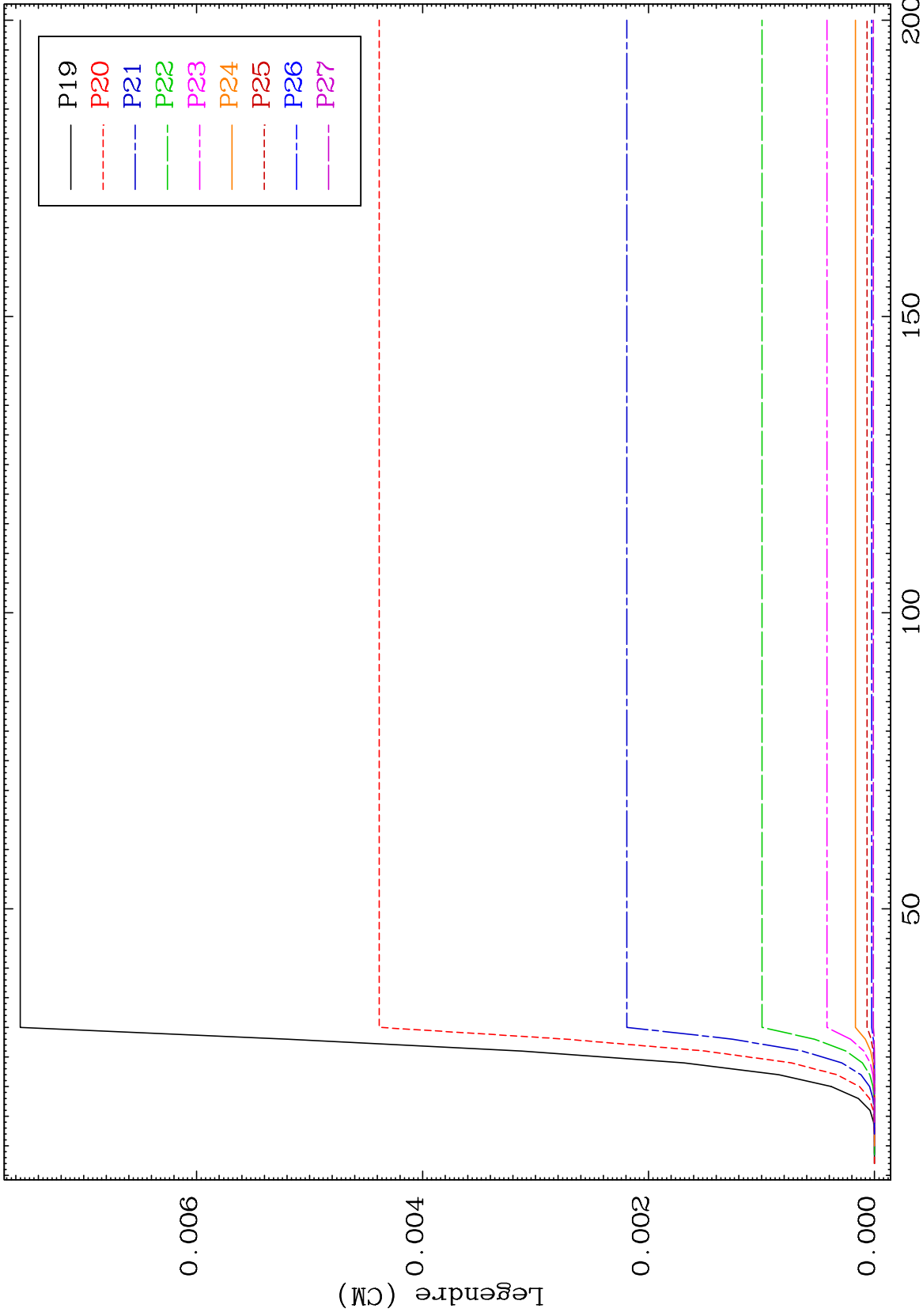
53-I -119



45

Incident Energy (MeV)

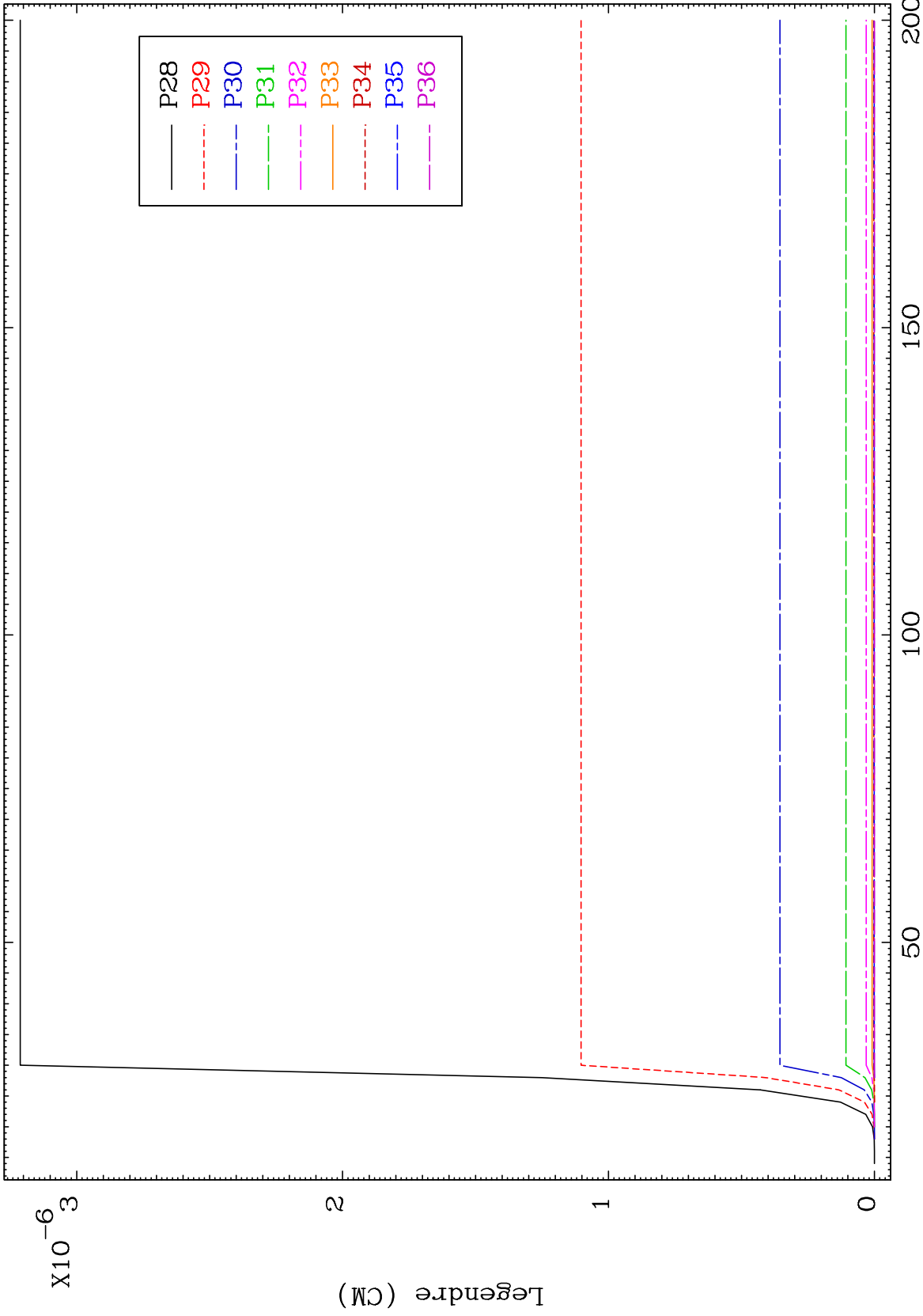
53-I -119



MAT 5301

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

53-I -119



47

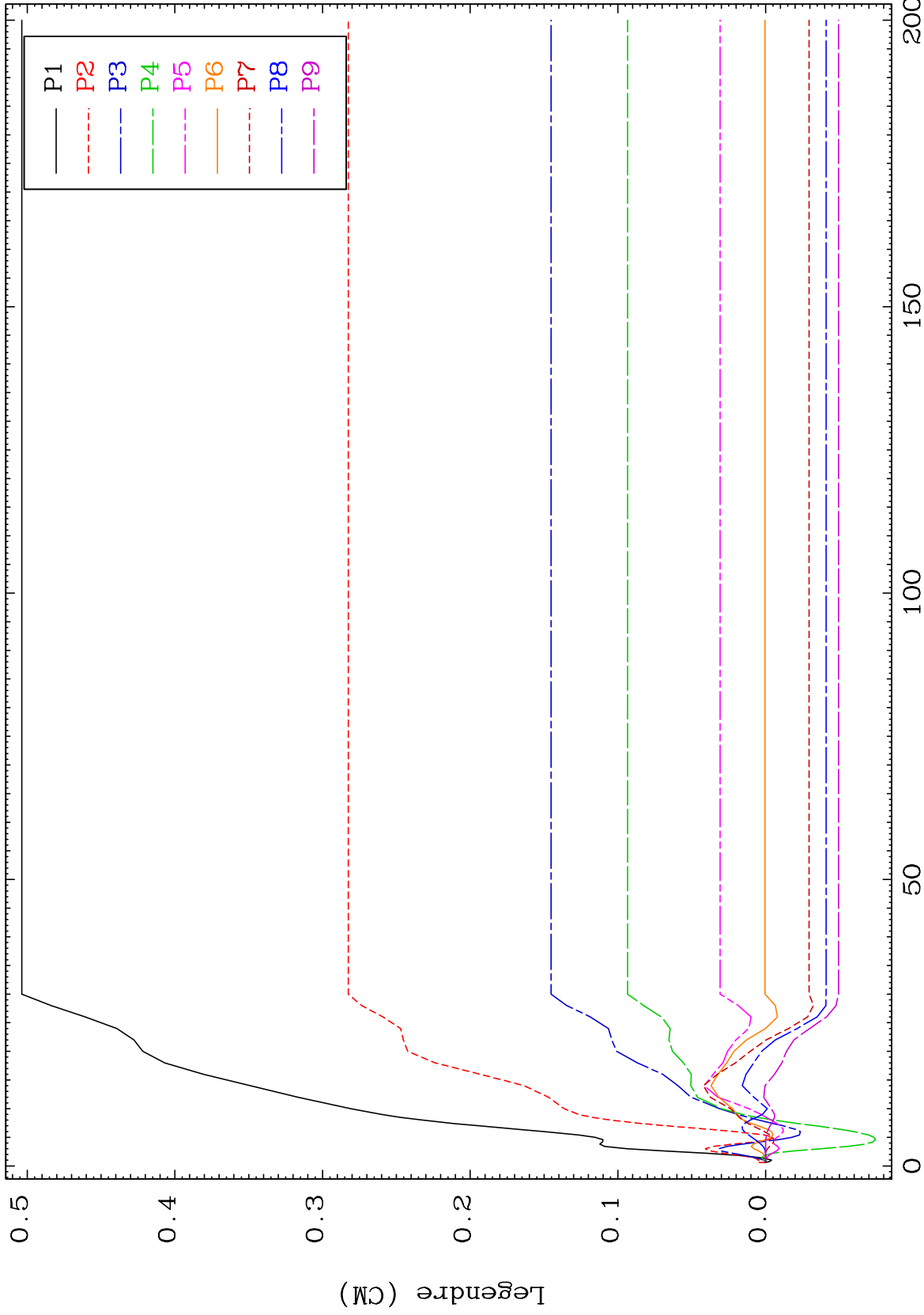
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



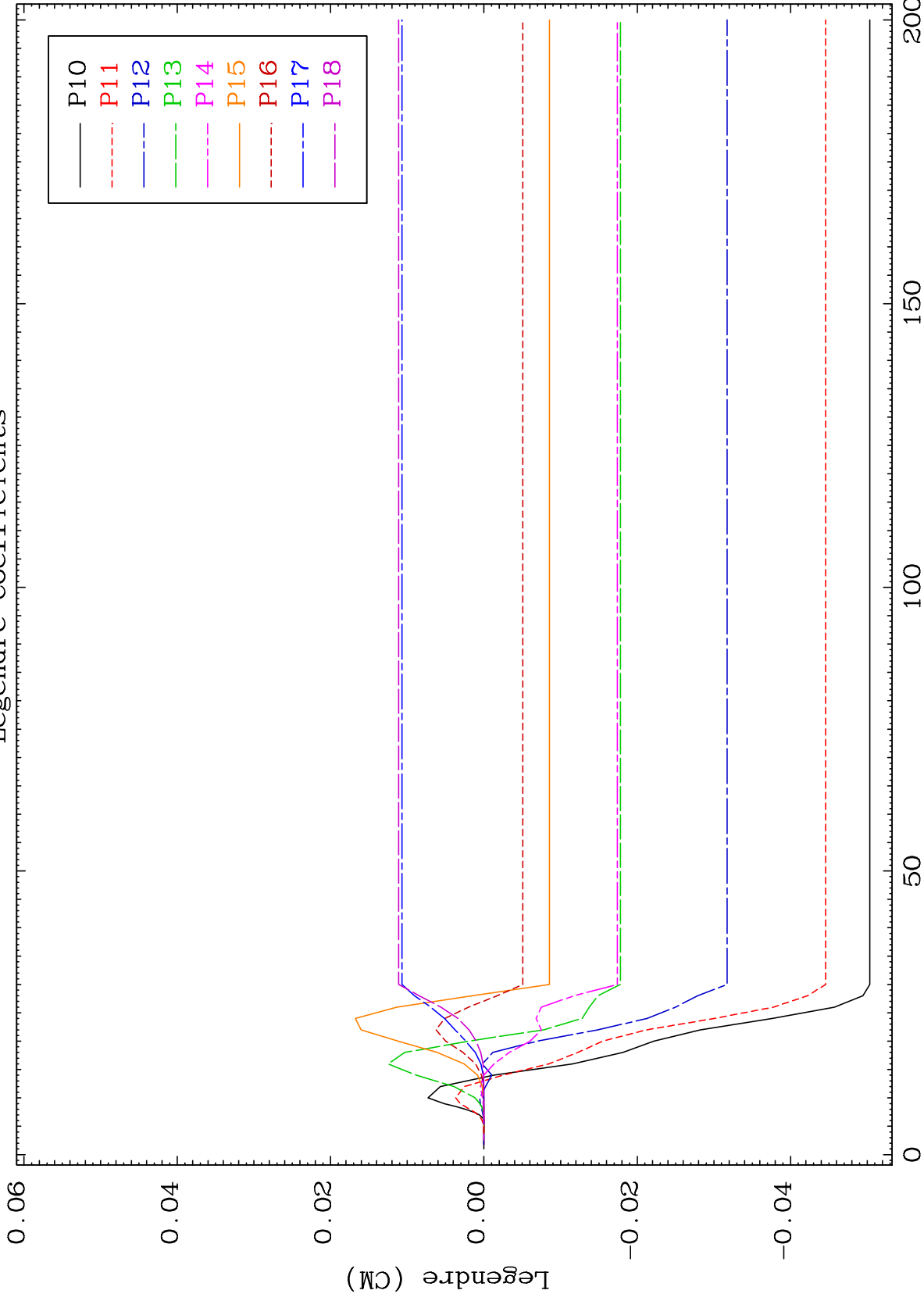
48

53-I -119

MAT 5301

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

53-I -119



49

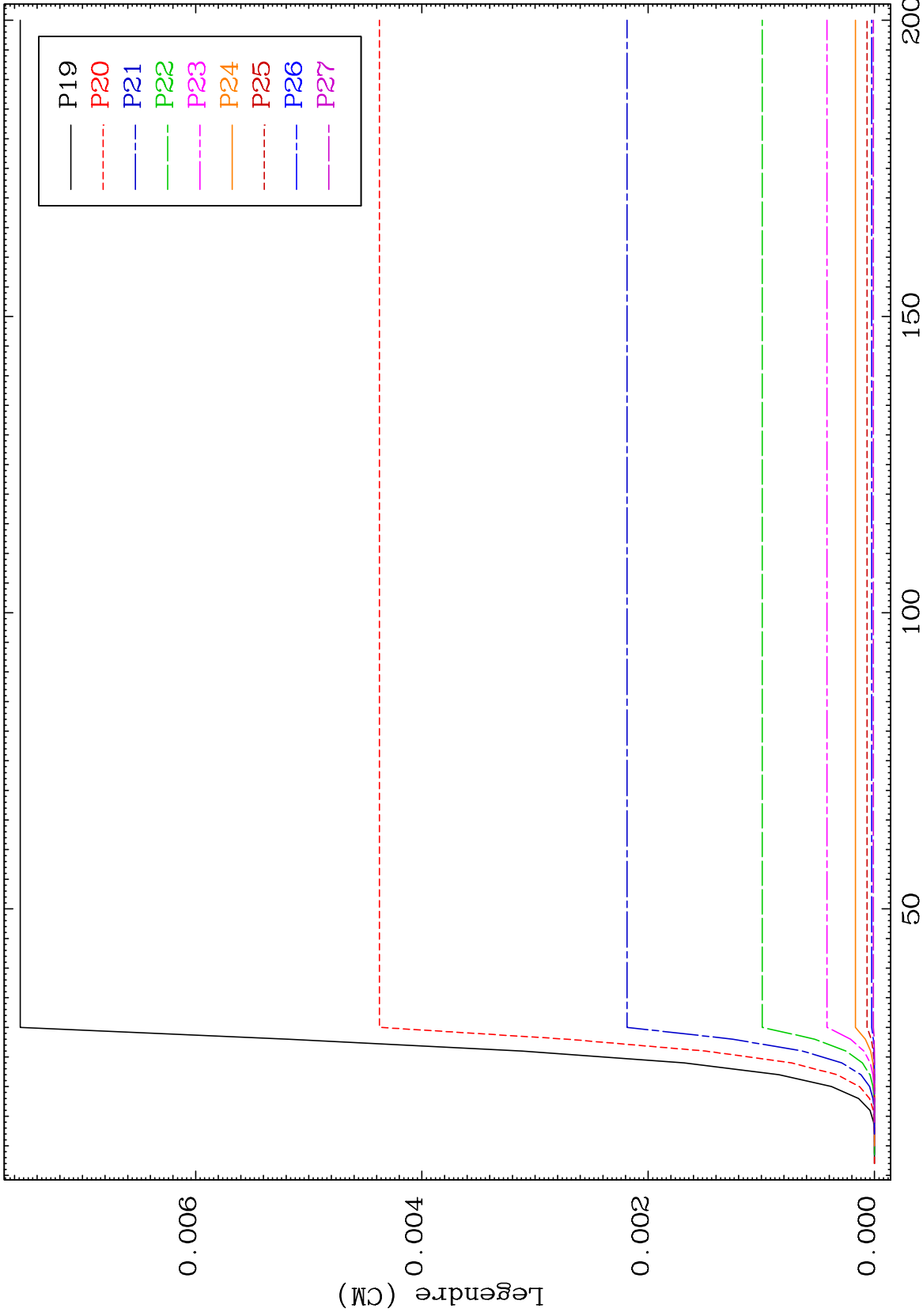
Incident Energy (MeV)

53-I -119

MAT 5301

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

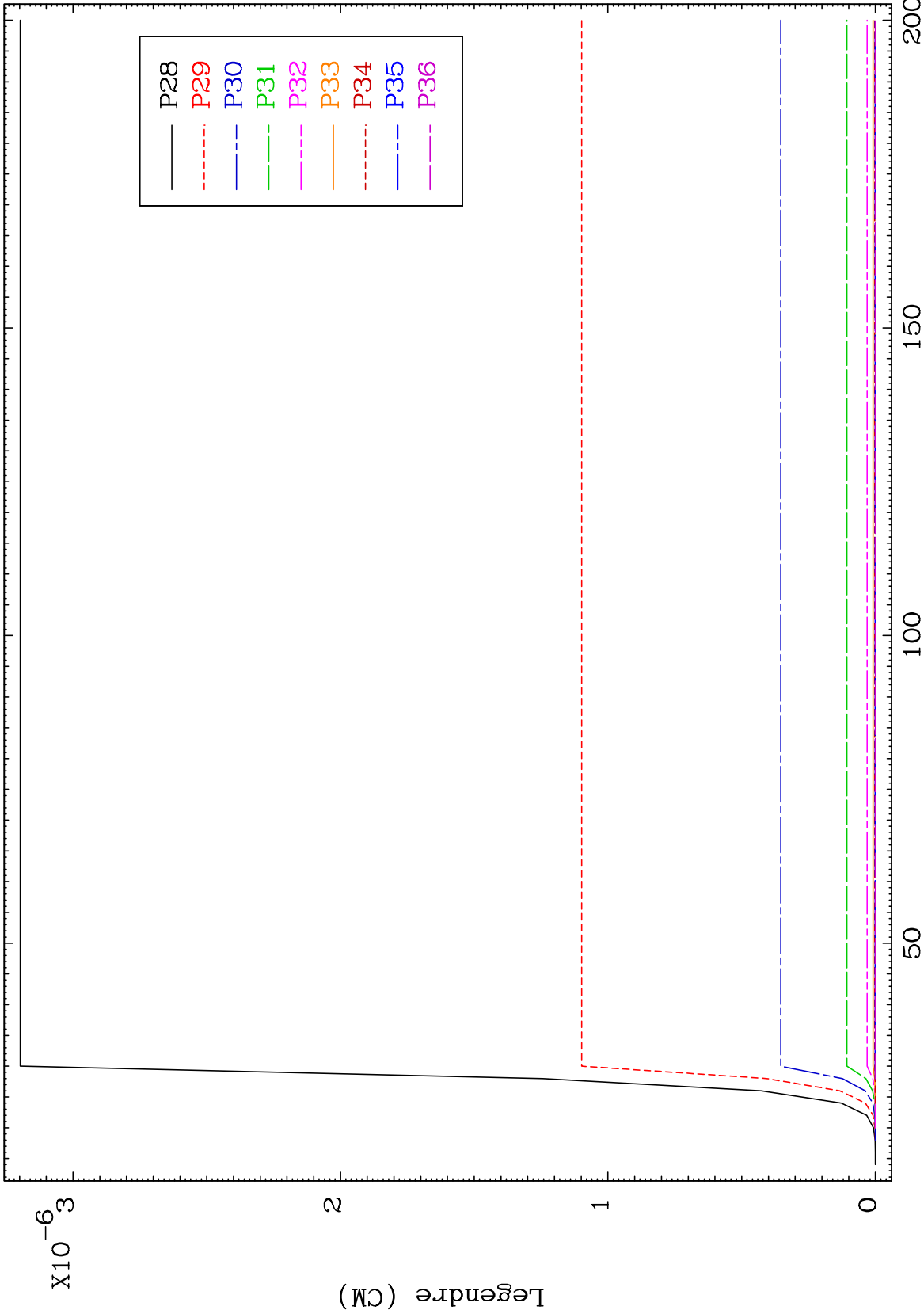
53-I -119



50

Incident Energy (MeV)

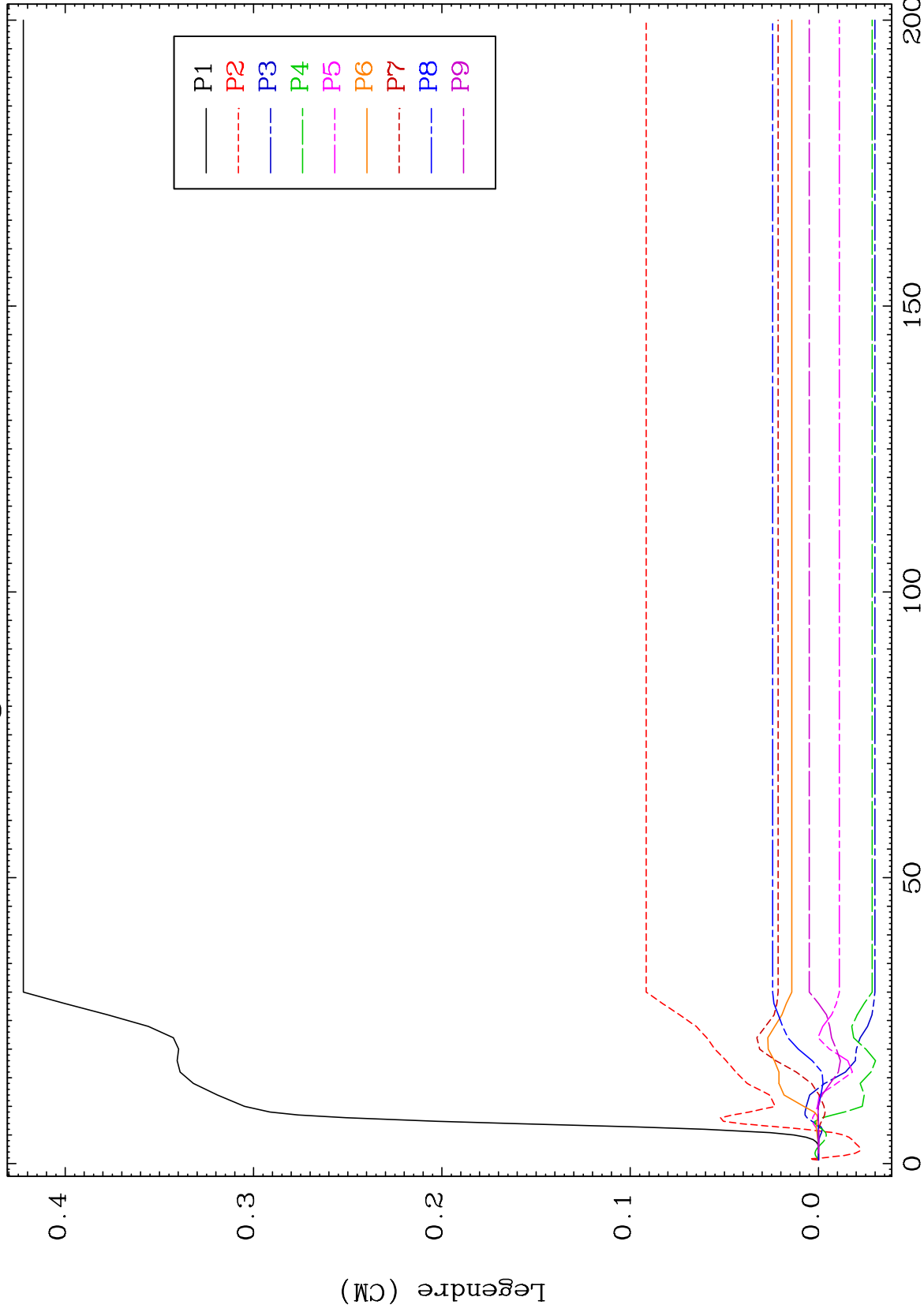
53-I -119



MAT 5301

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

53-I -119



52

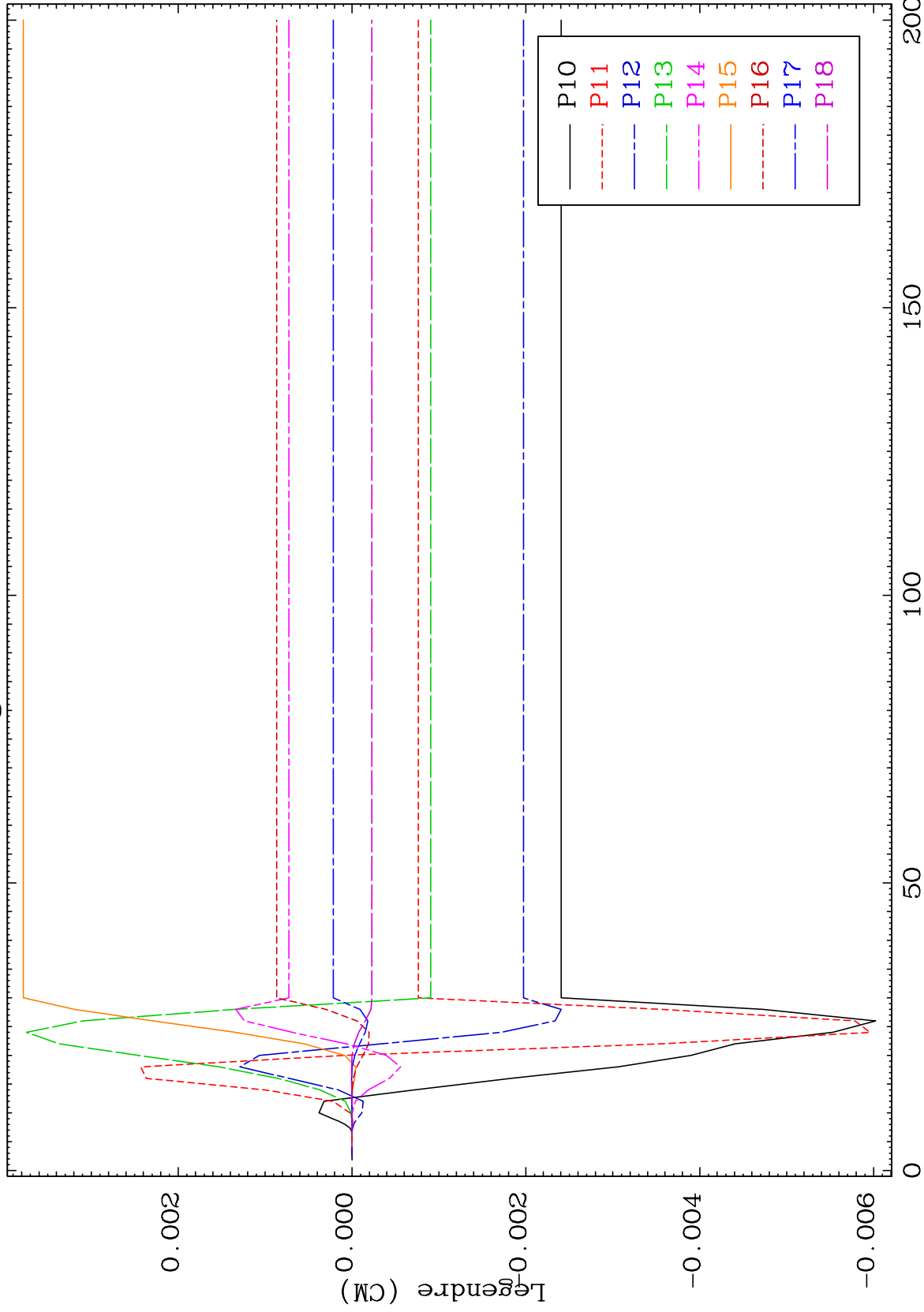
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



53

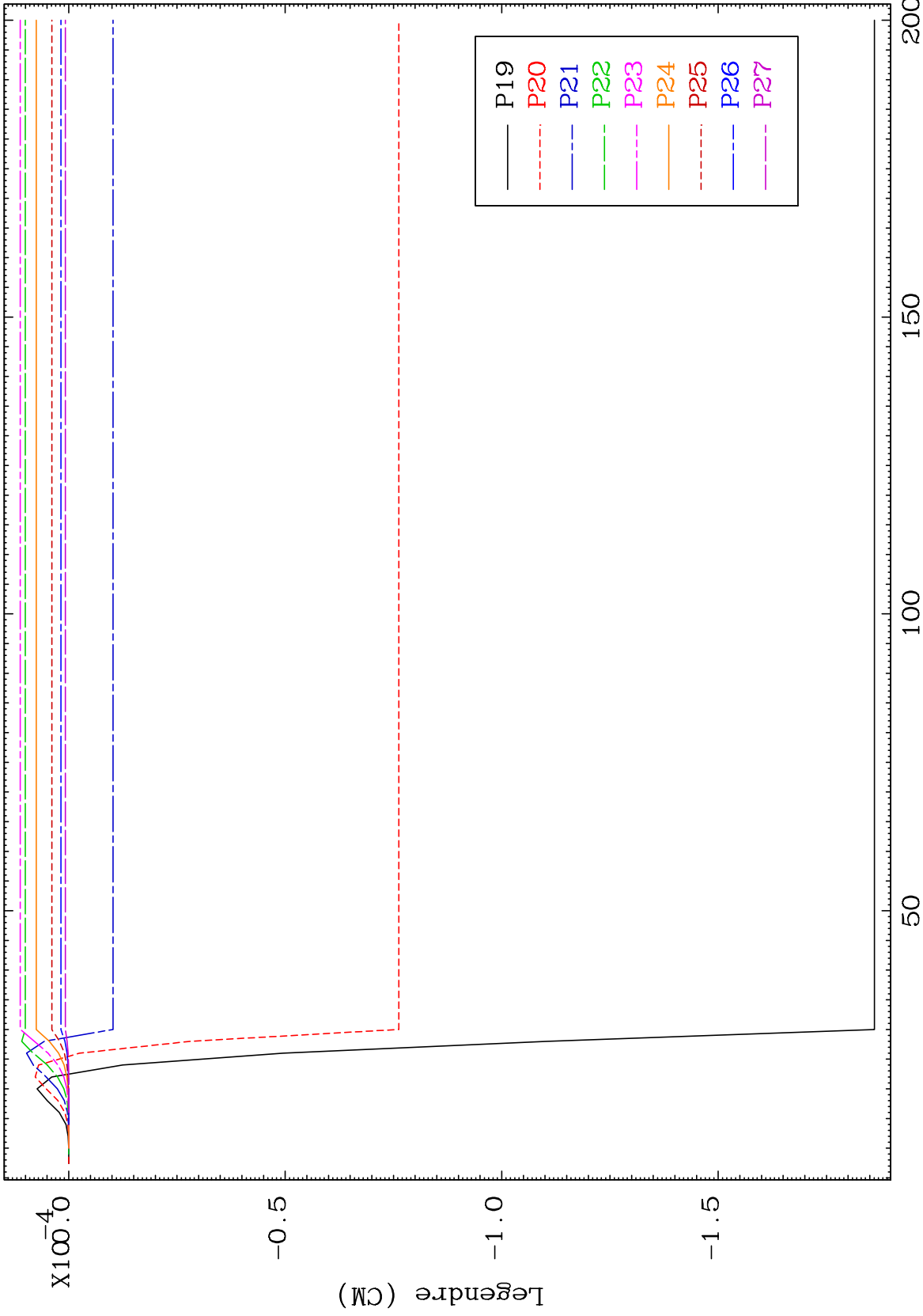
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



54

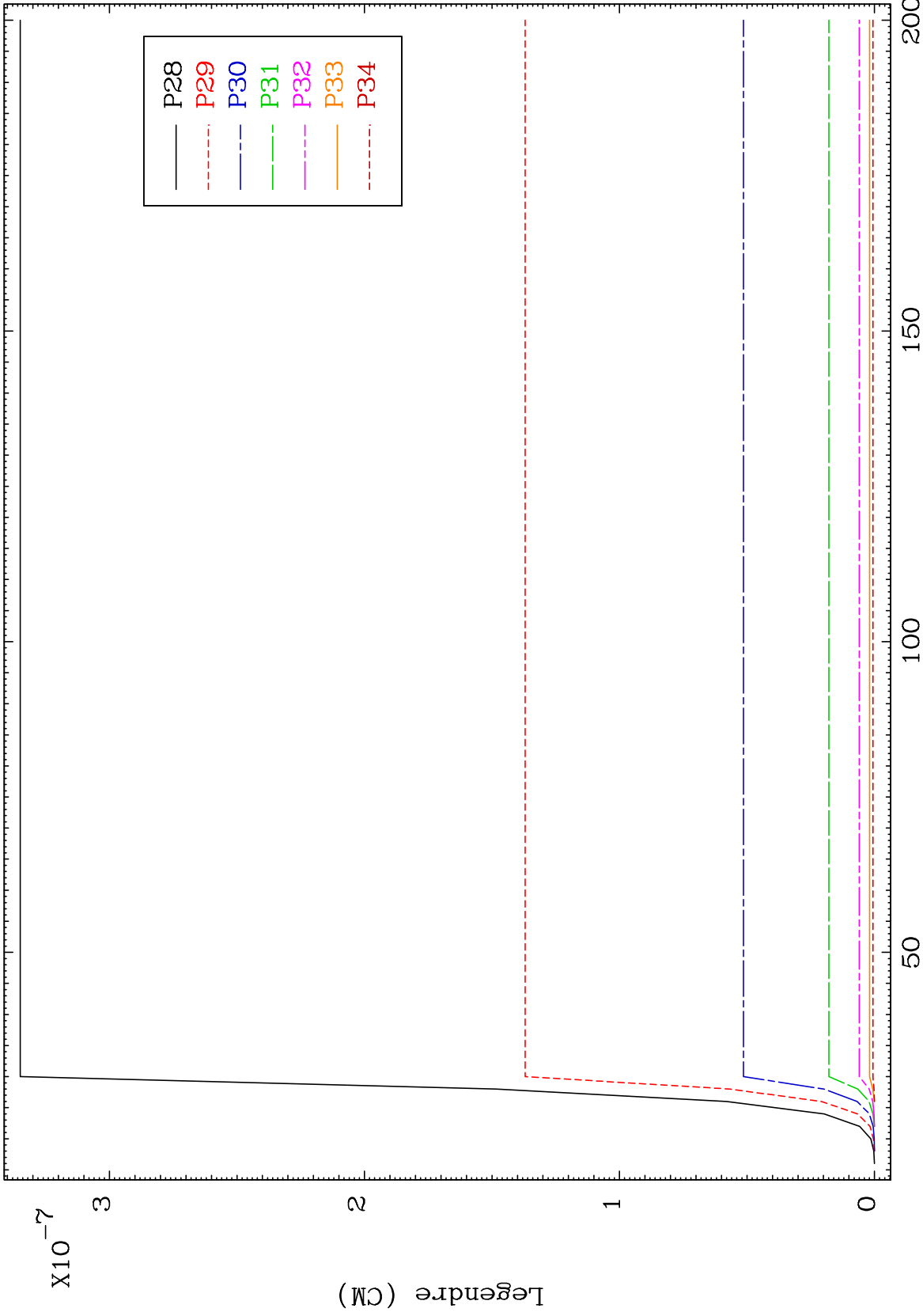
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



55

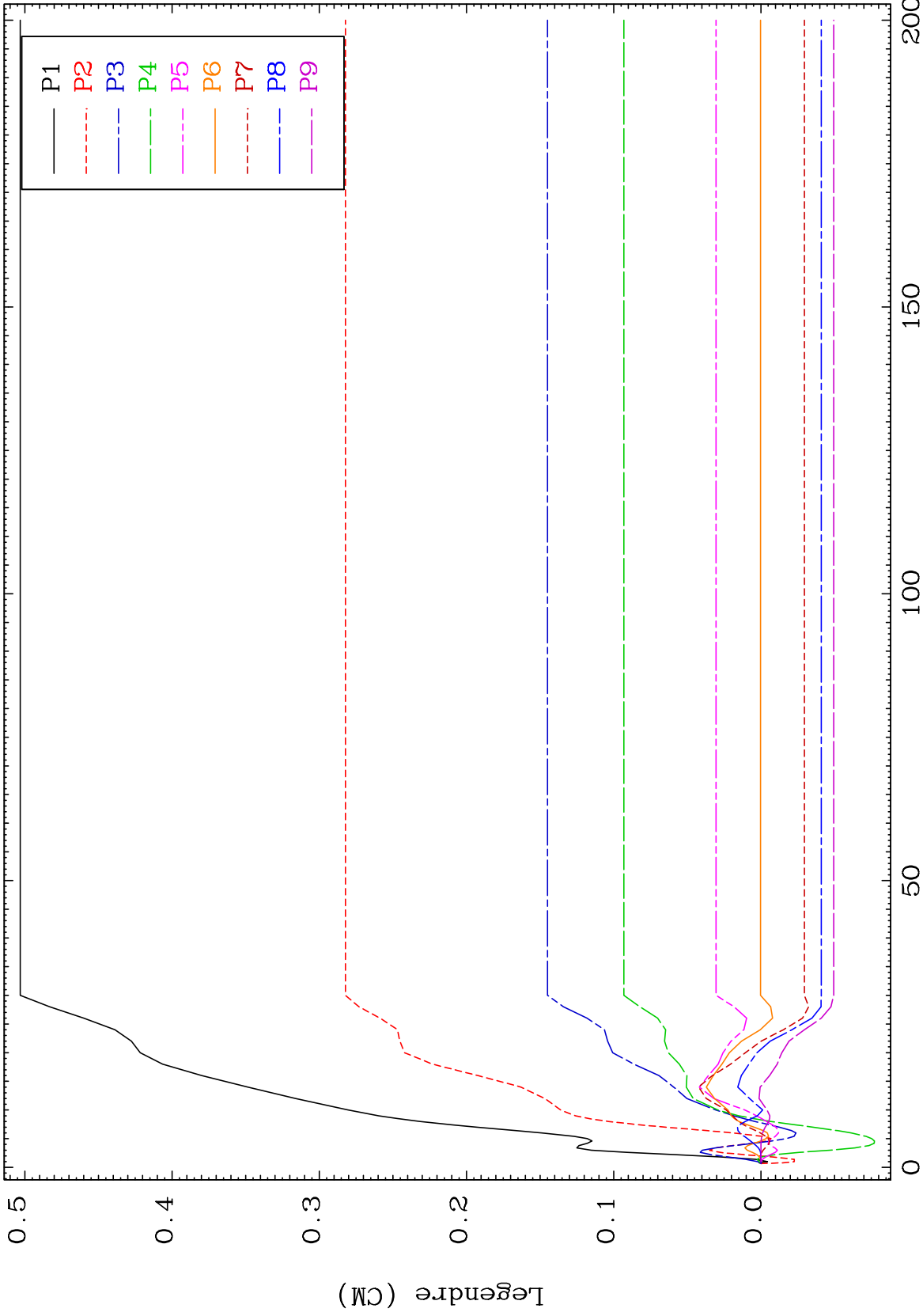
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



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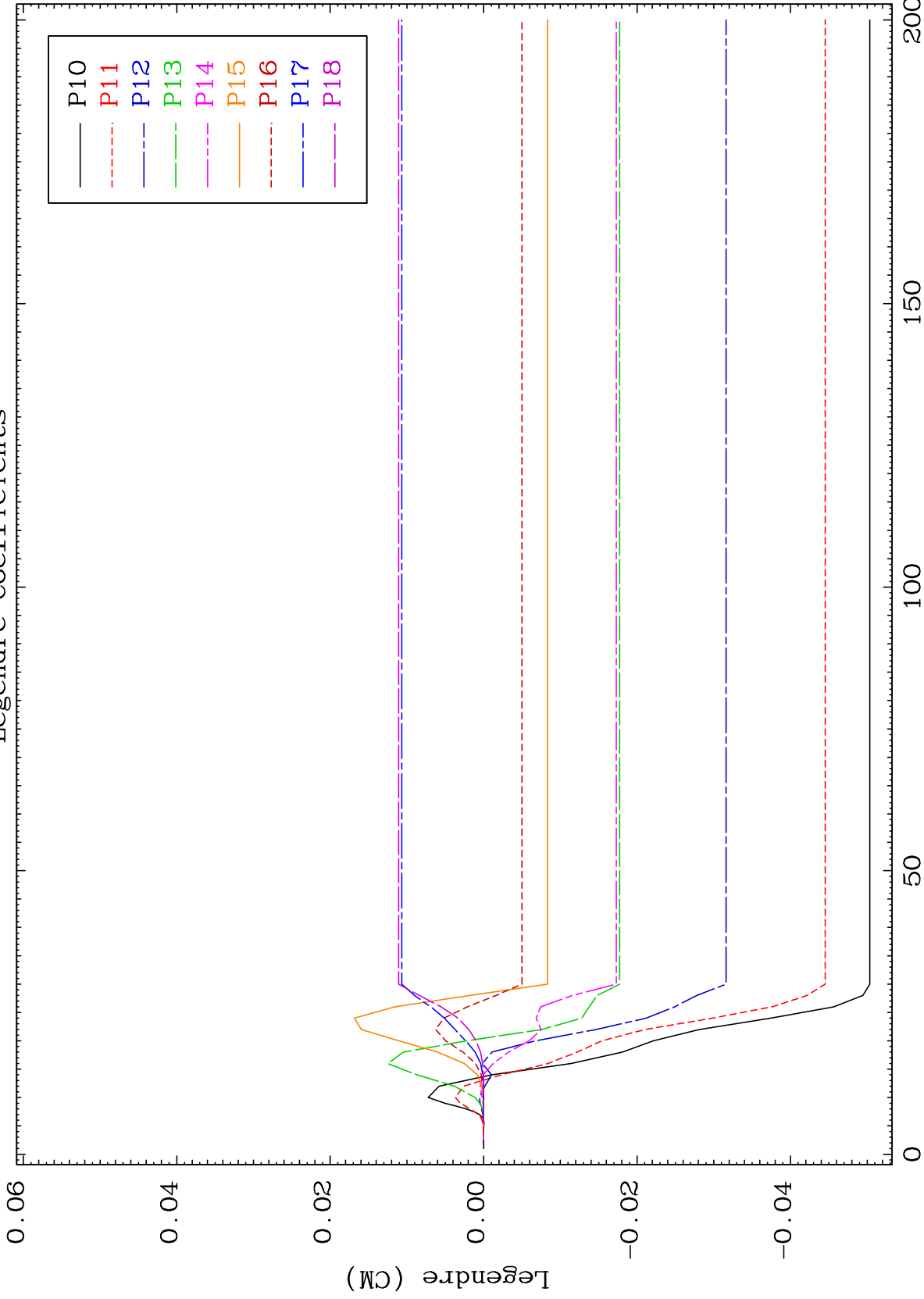
Incident Energy (MeV)

53-I -119

MAT 5301

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

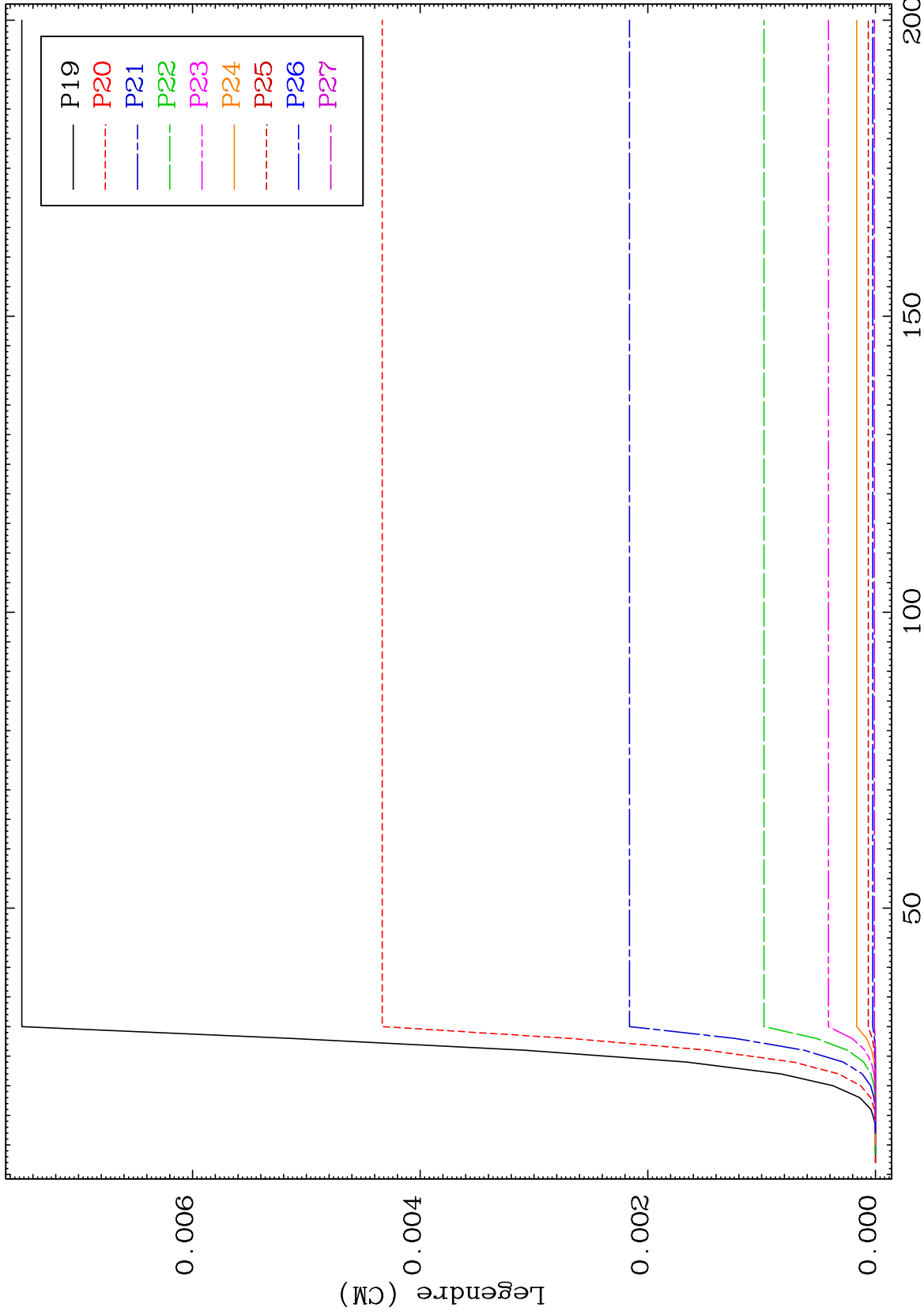
53-I -119



57

Incident Energy (MeV)

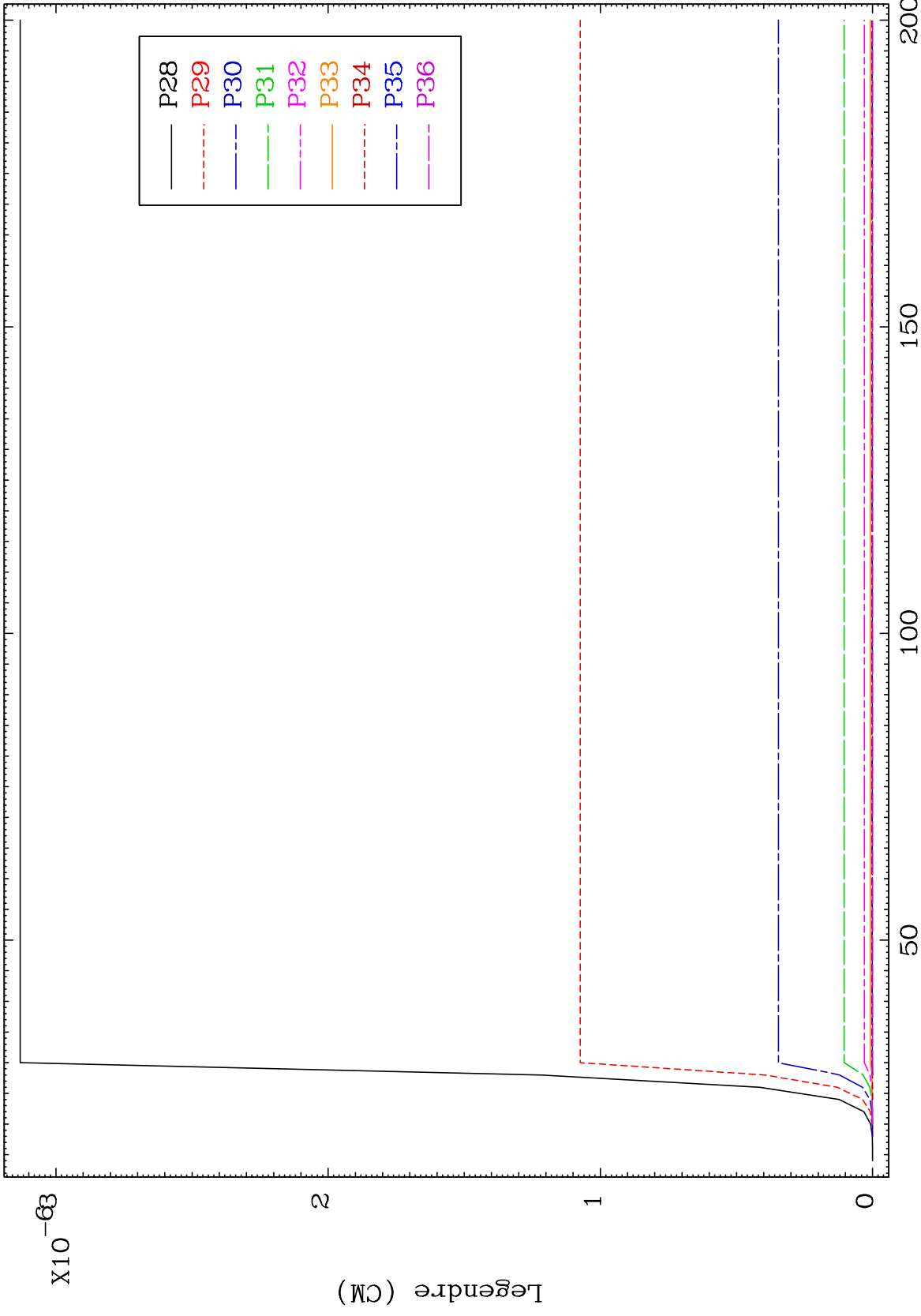
53-I -119



MAT 5301

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

53-I -119



59

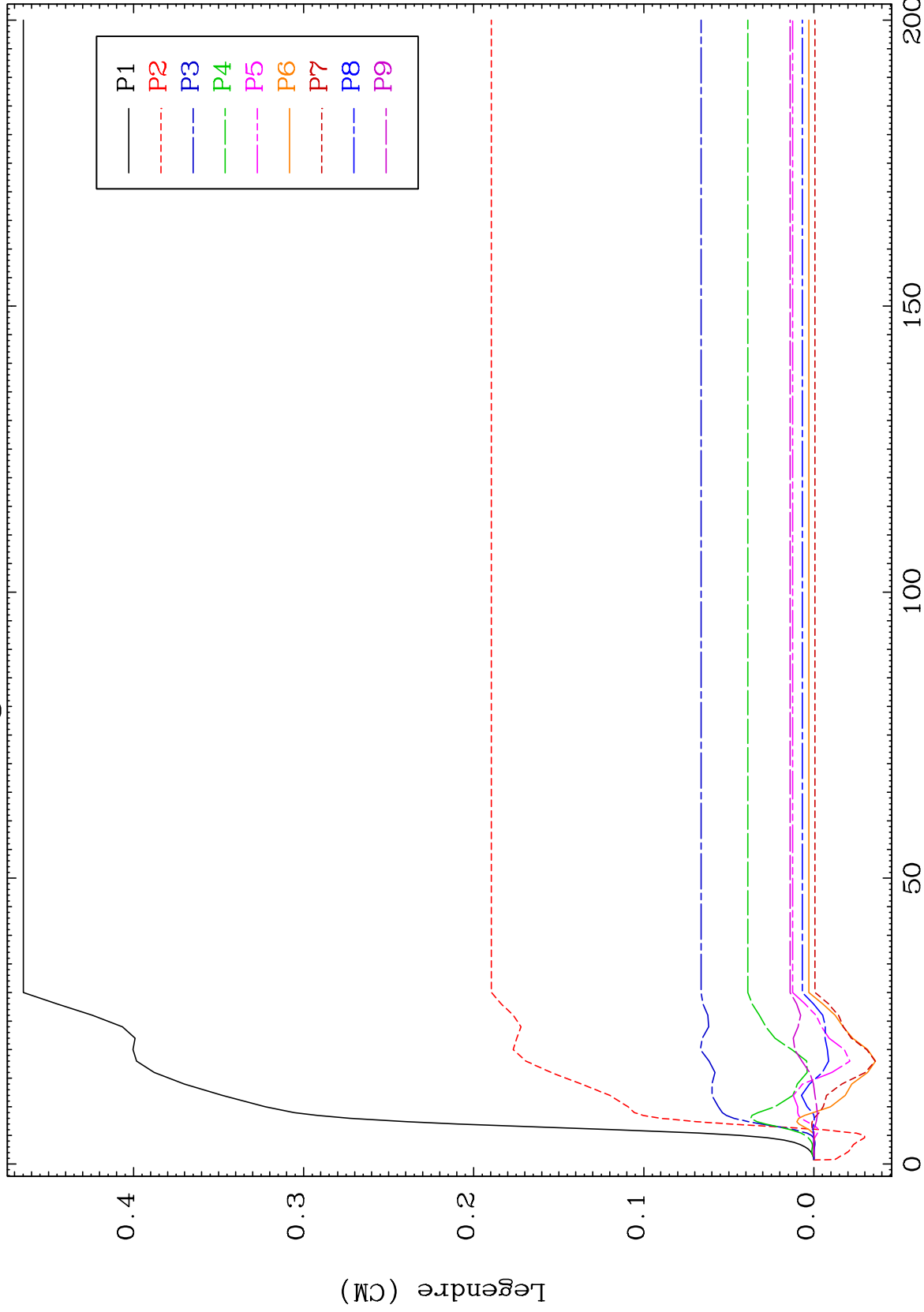
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



60

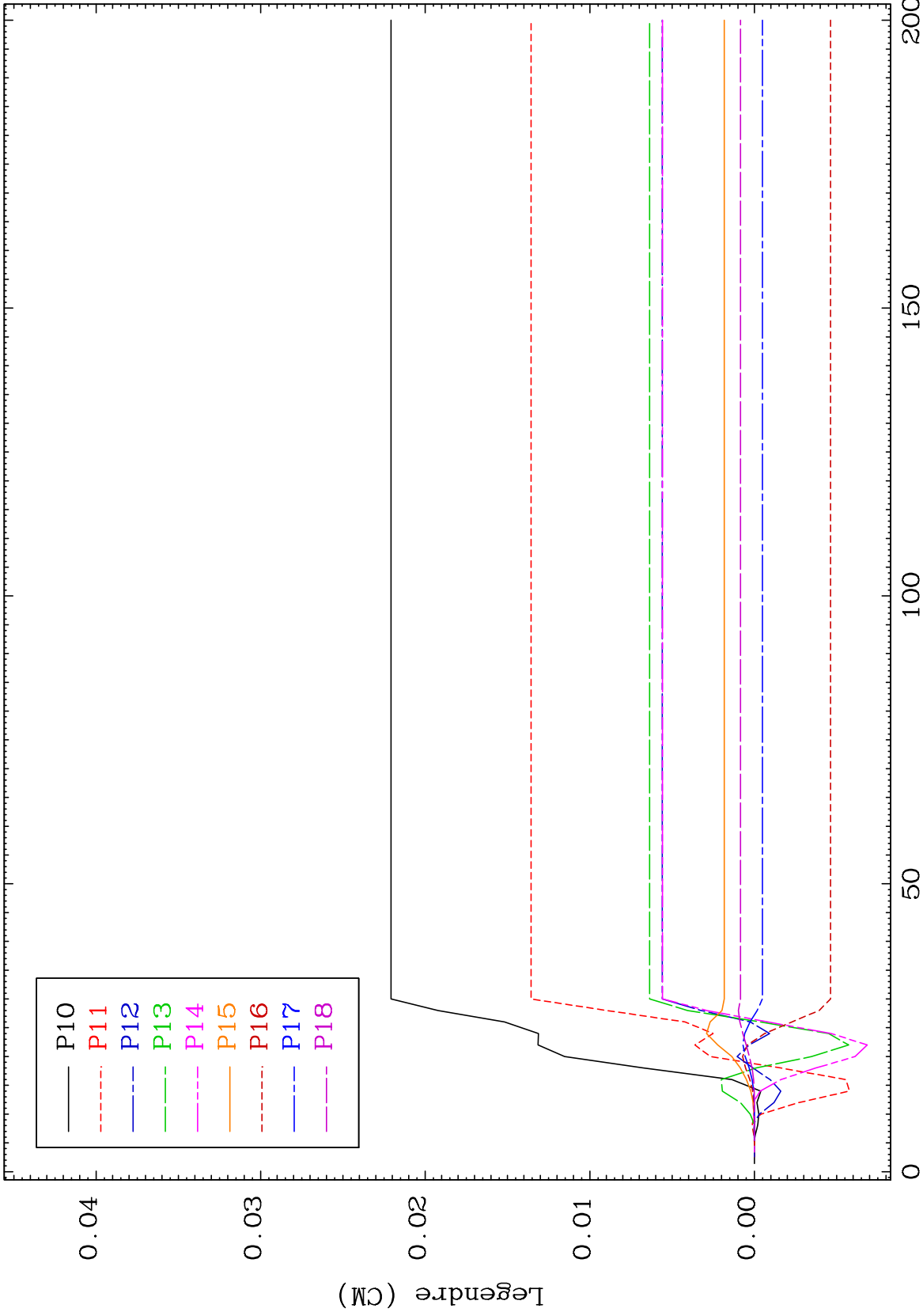
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



61

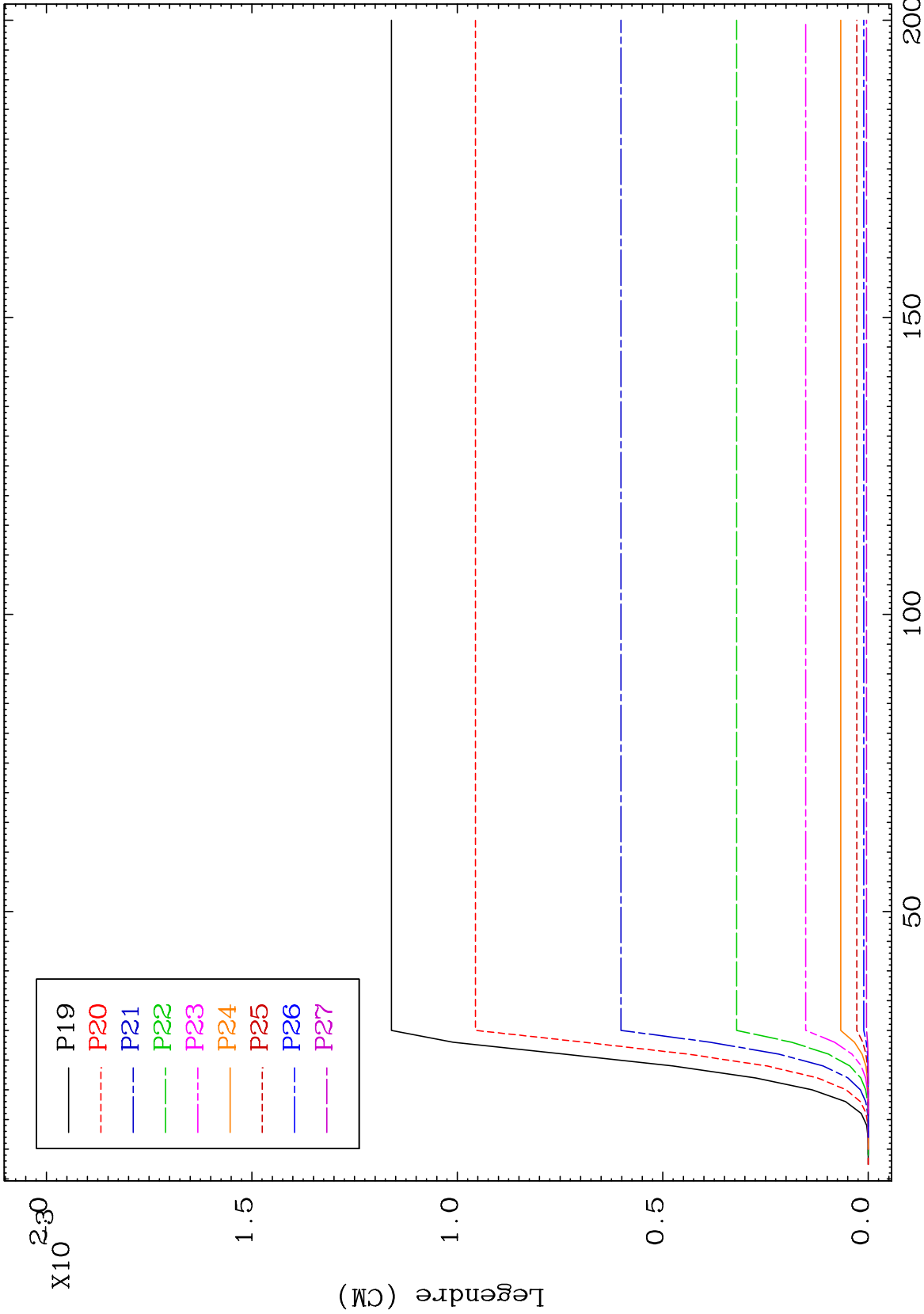
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



62

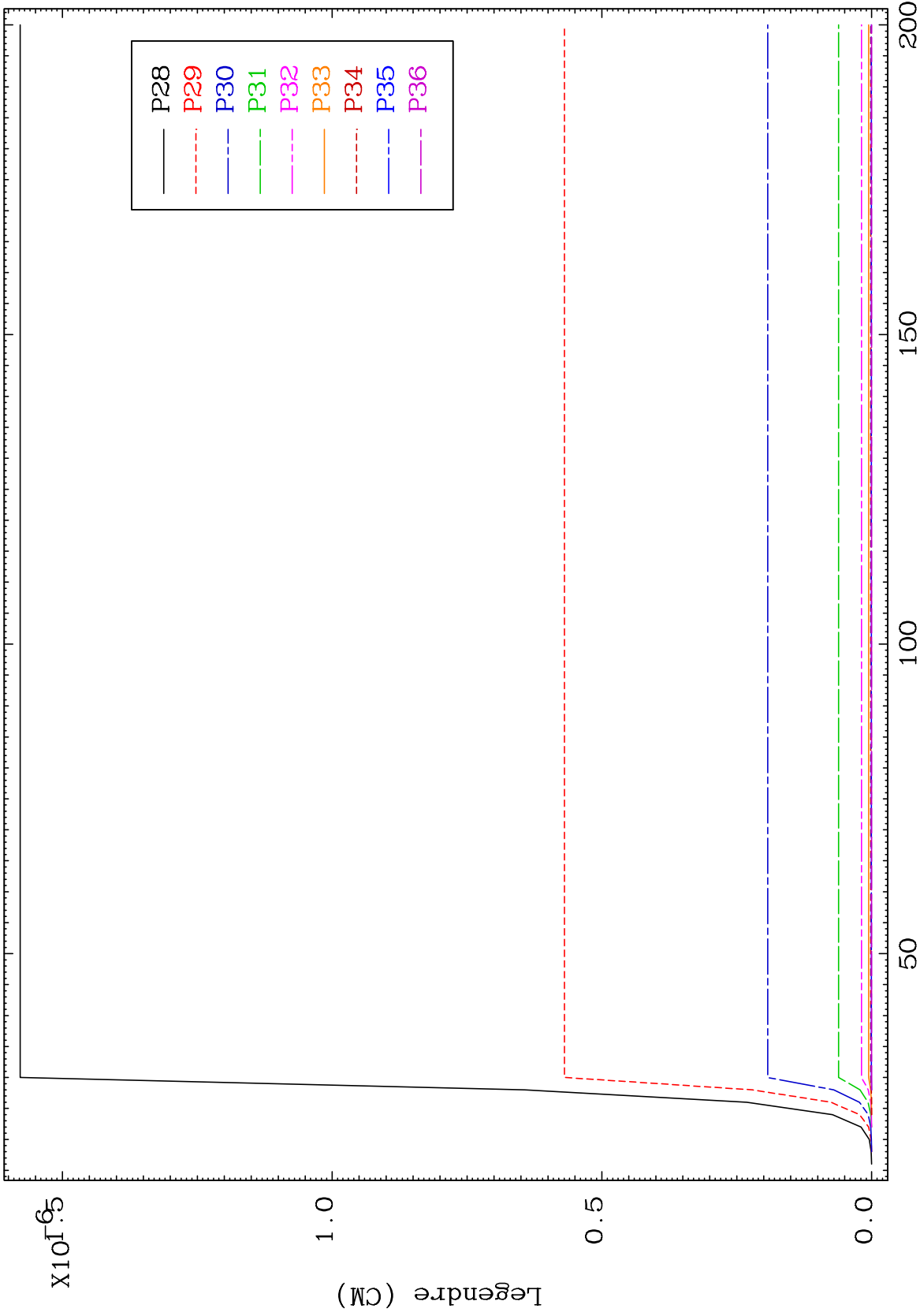
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



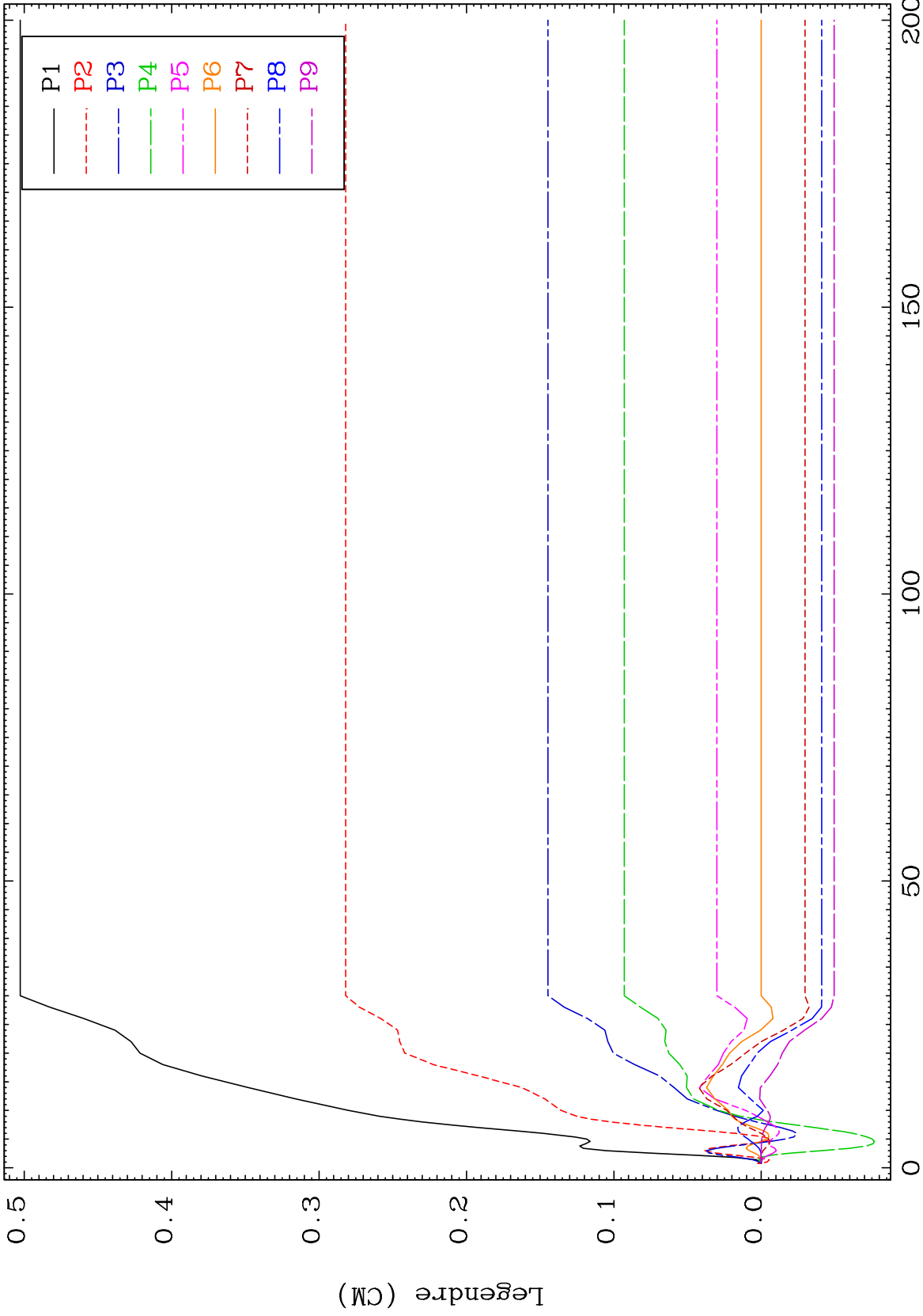
63

53-I -119

MAT 5301

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

53-I -119



64

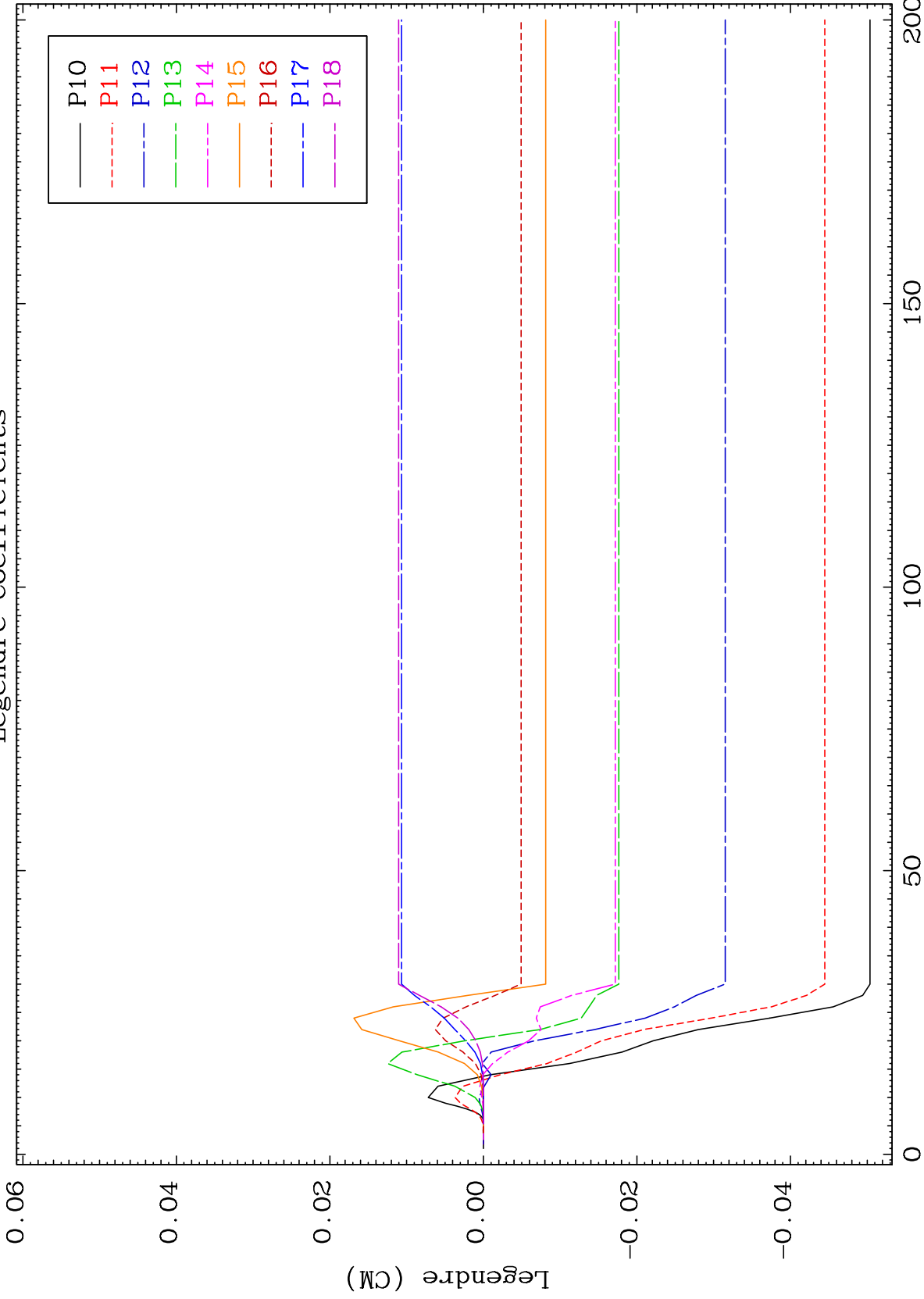
Incident Energy (MeV)

53-I -119

MAT 5301

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

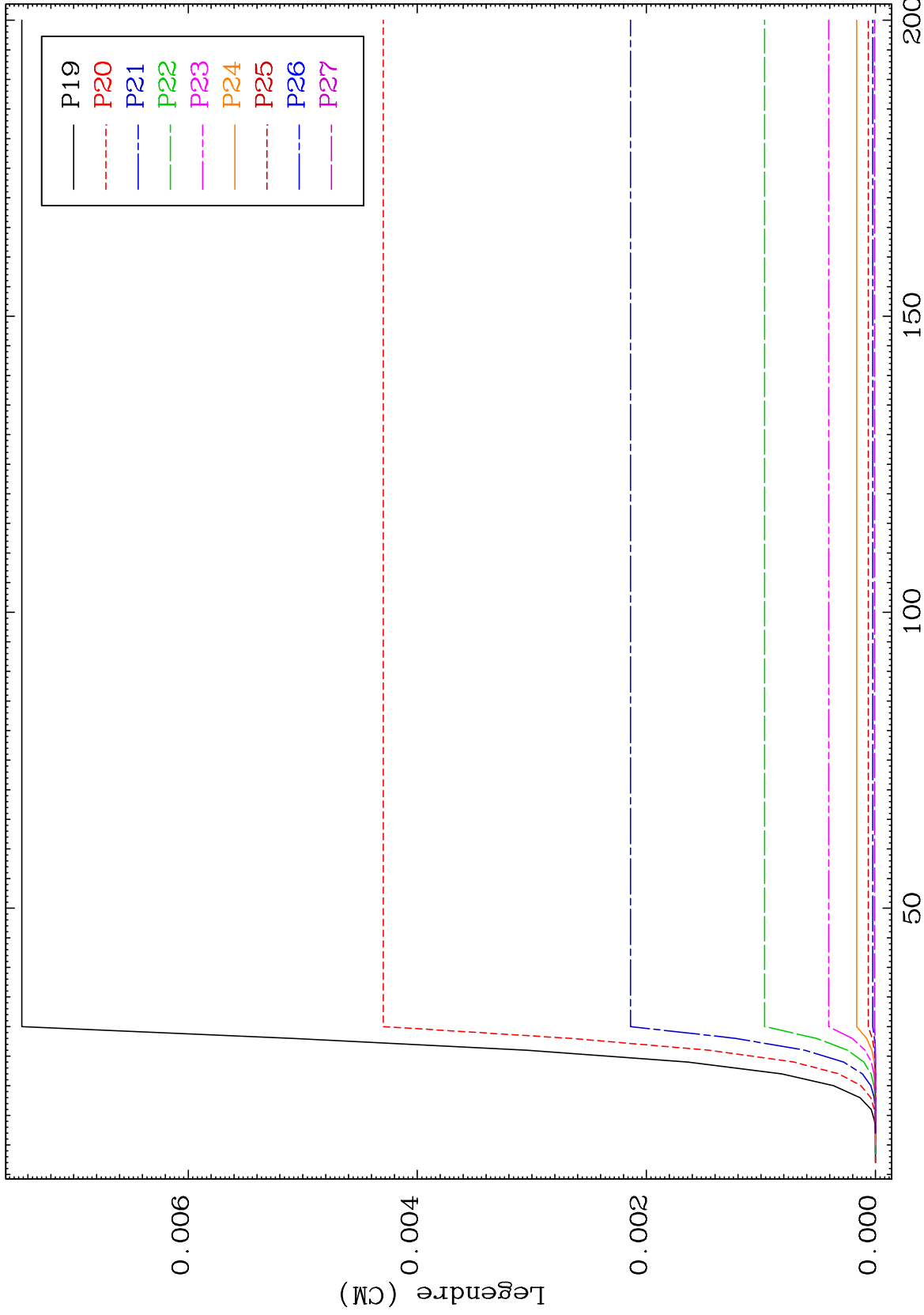
53-I -119



65

Incident Energy (MeV)

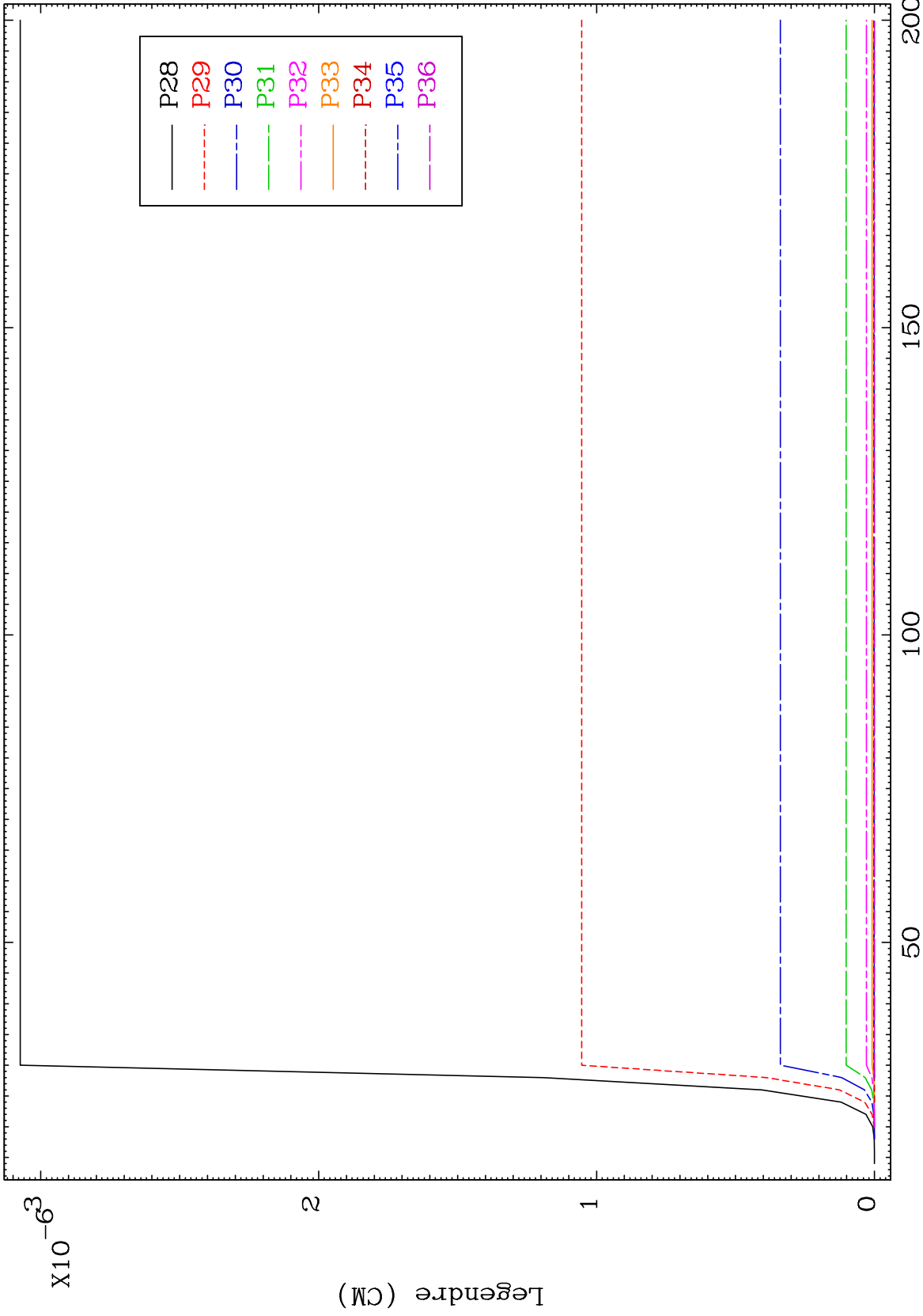
53-I -119



MAT 5301

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

53-I -119



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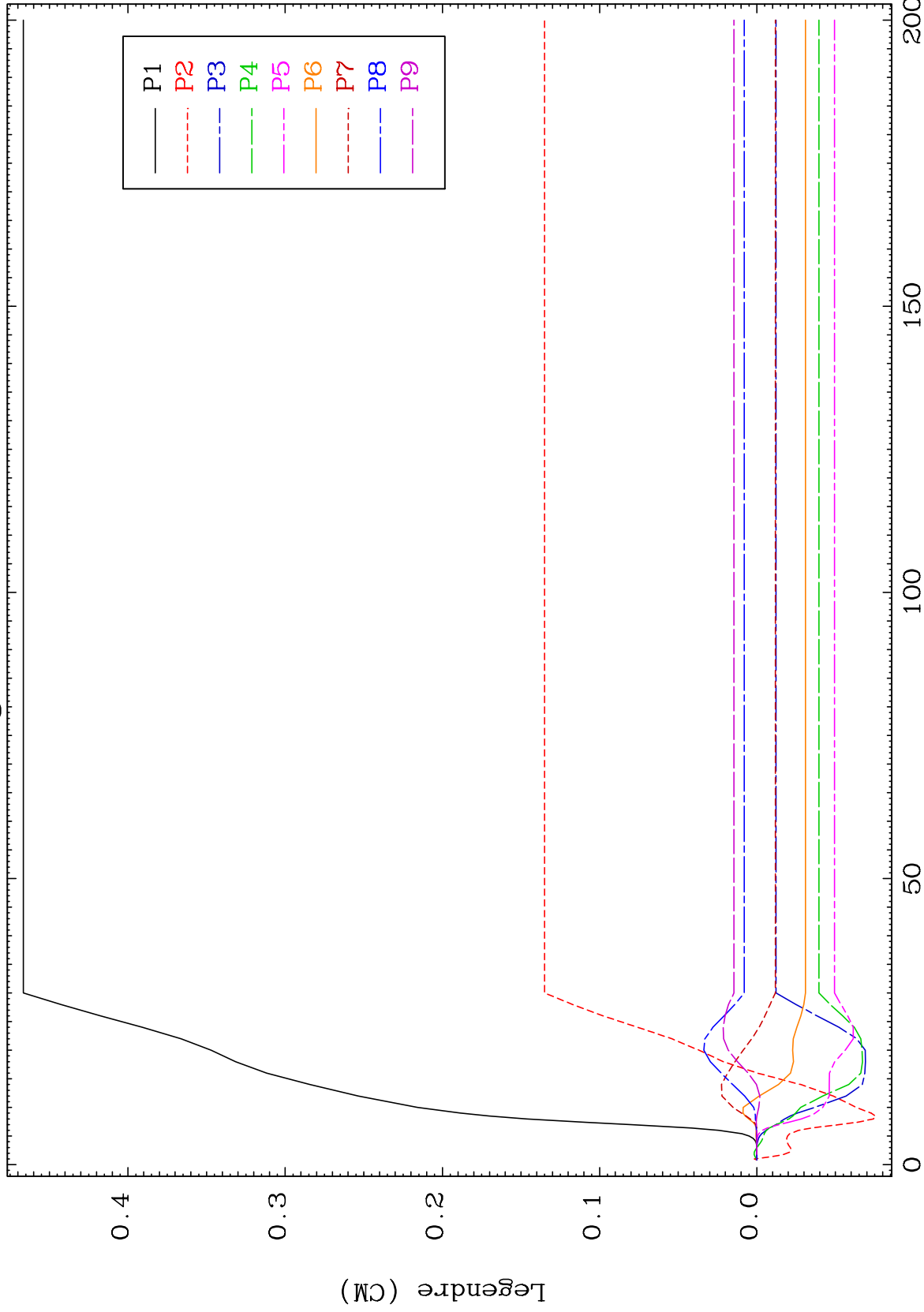
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



68

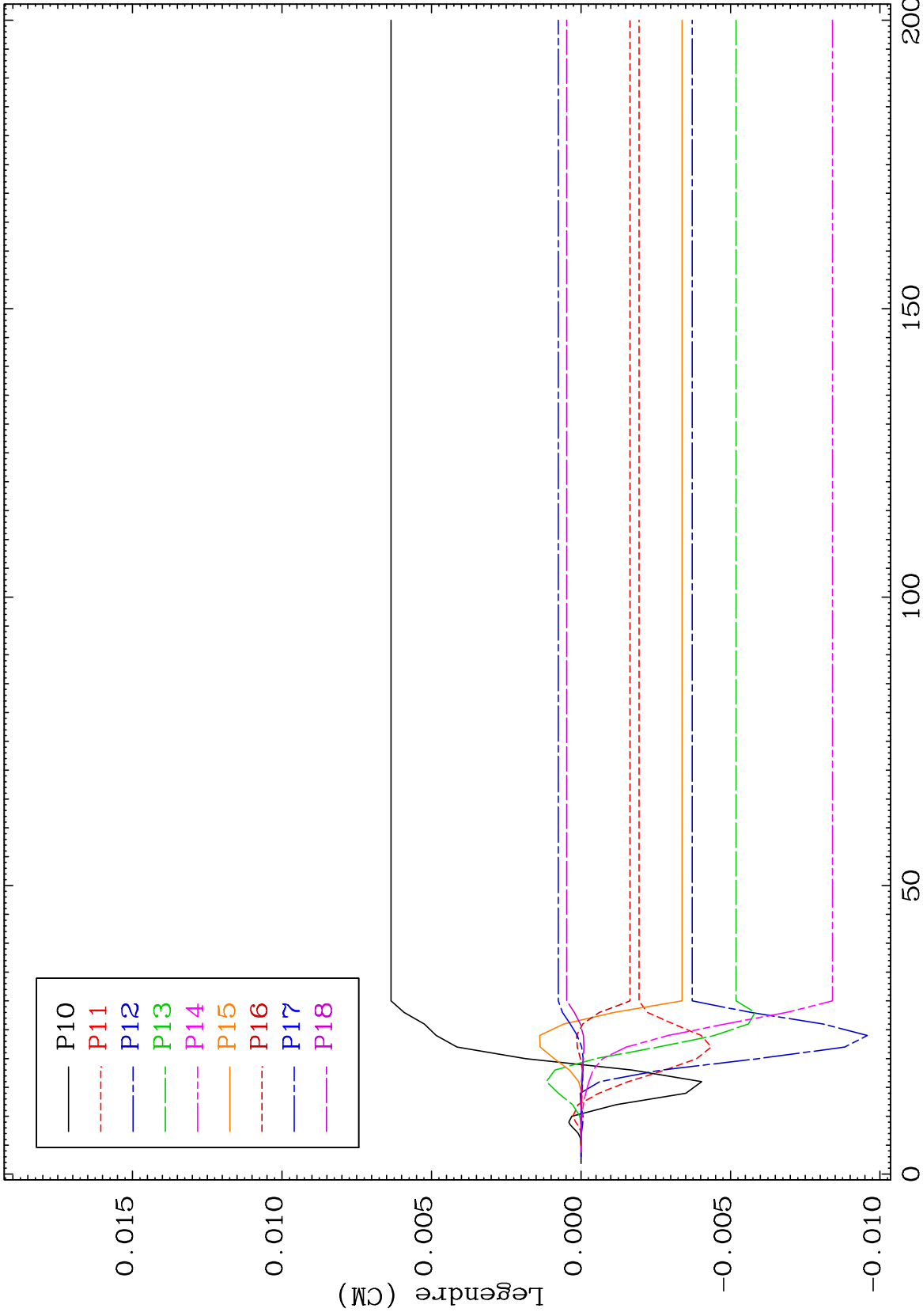
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



69

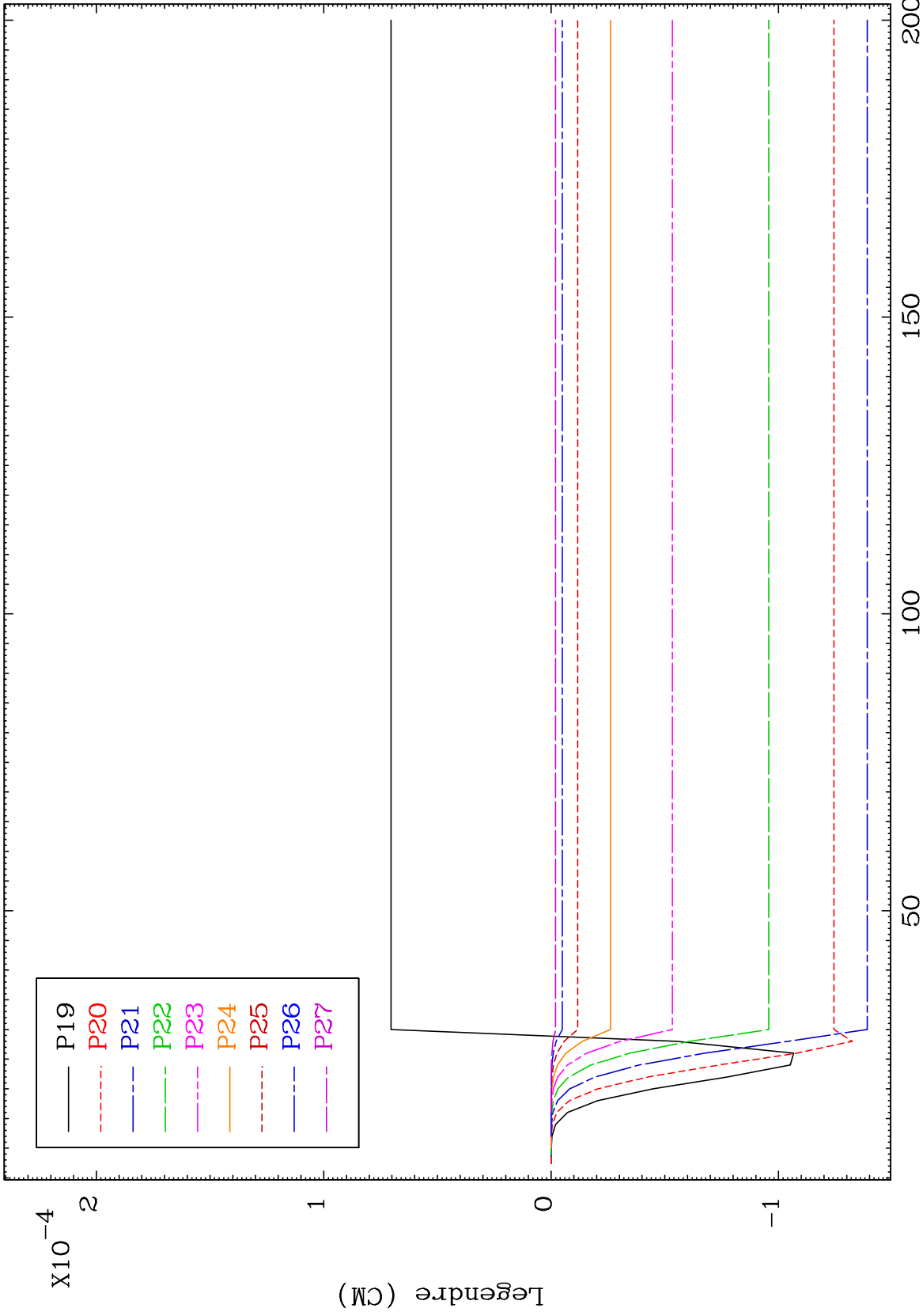
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



70

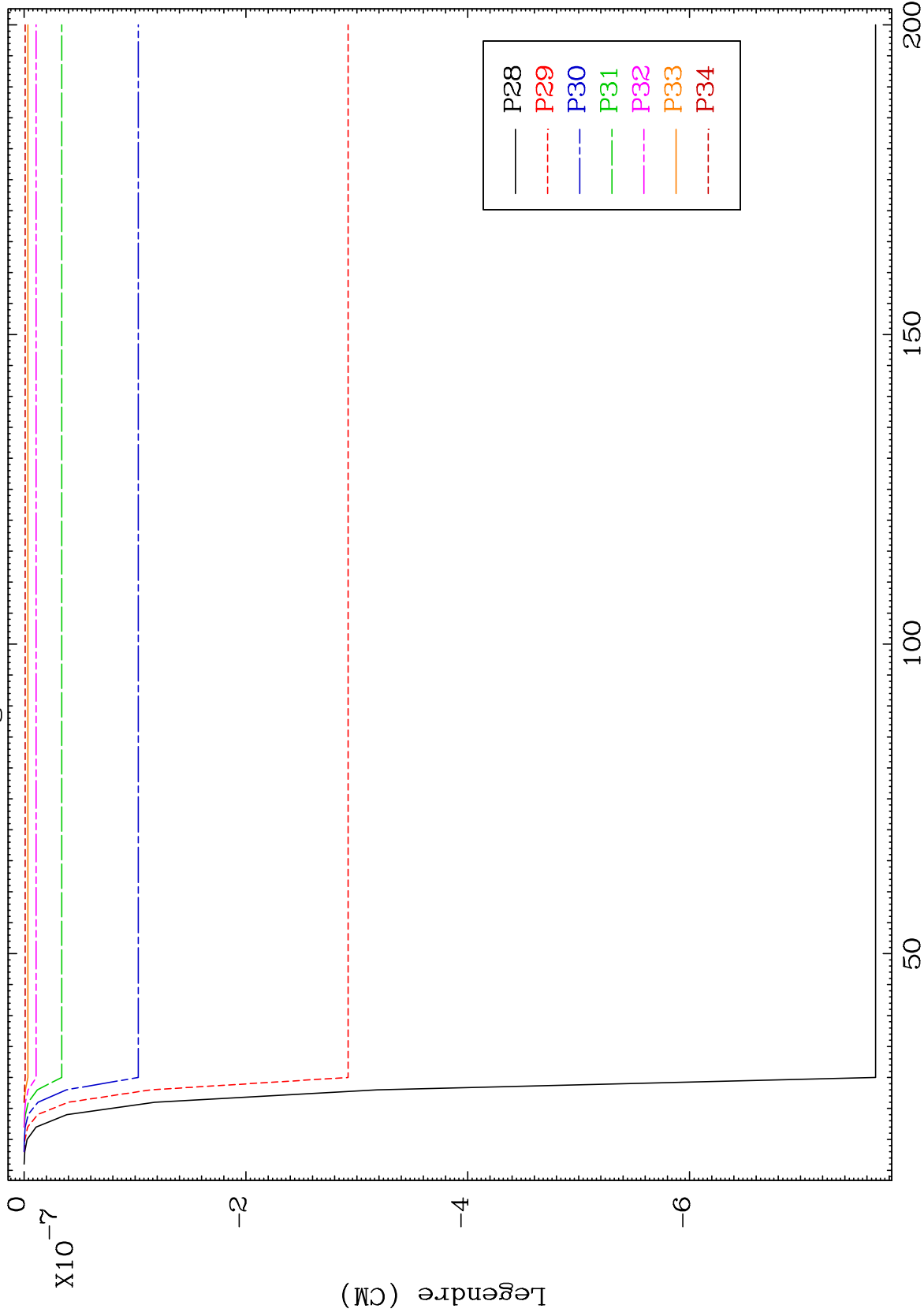
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



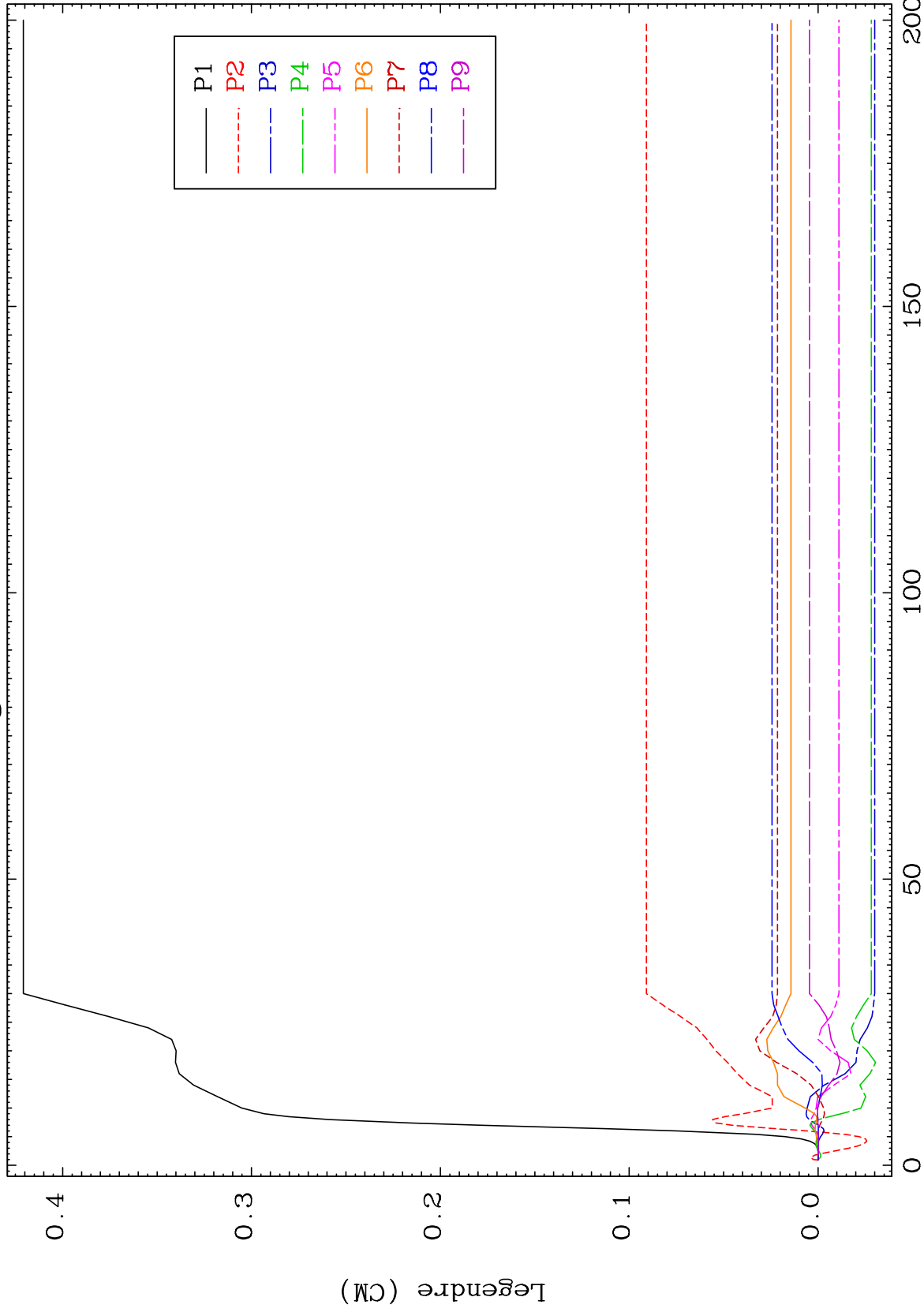
71

53-I -119

MAT 5301

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

53-I -119



72

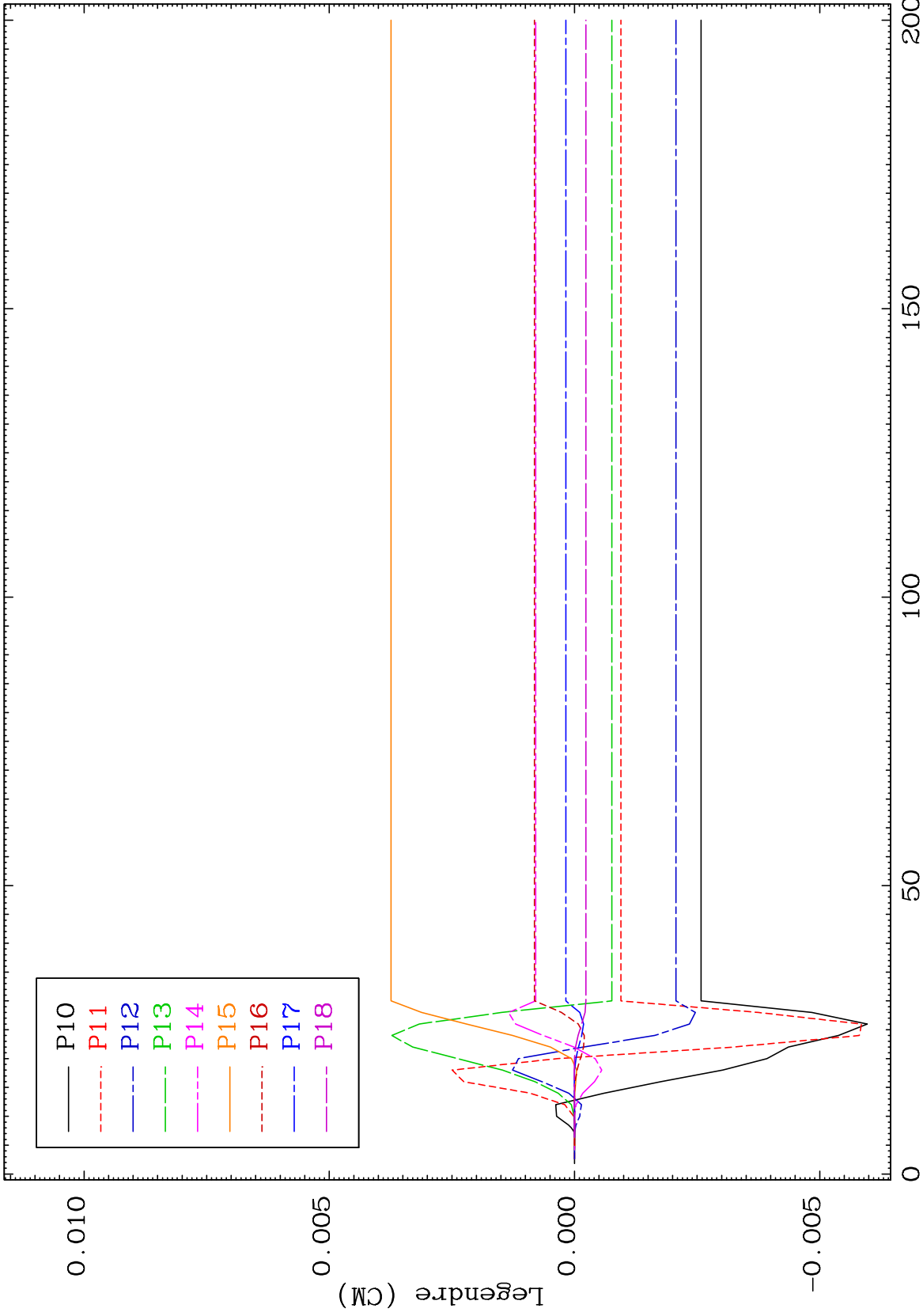
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



73

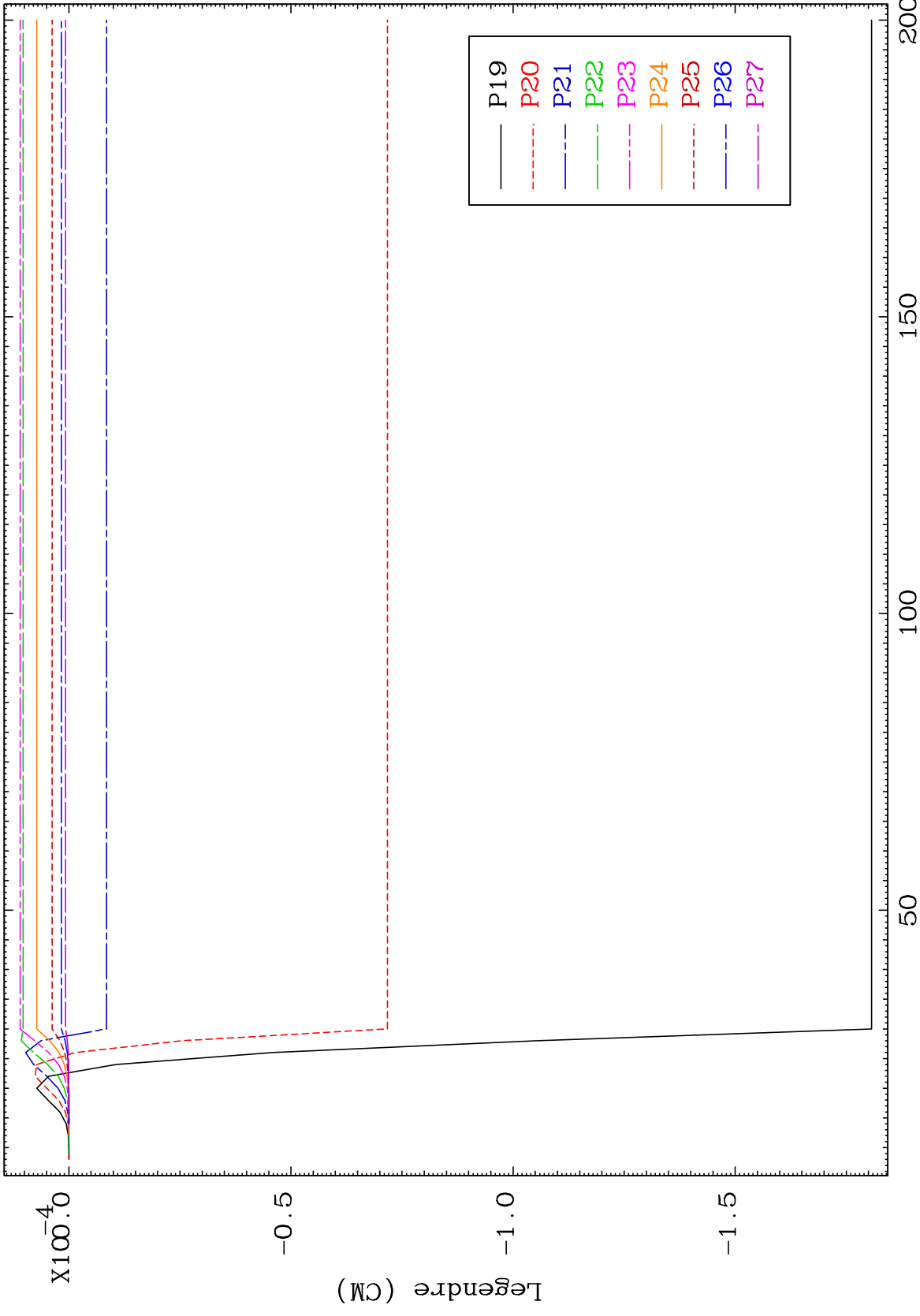
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



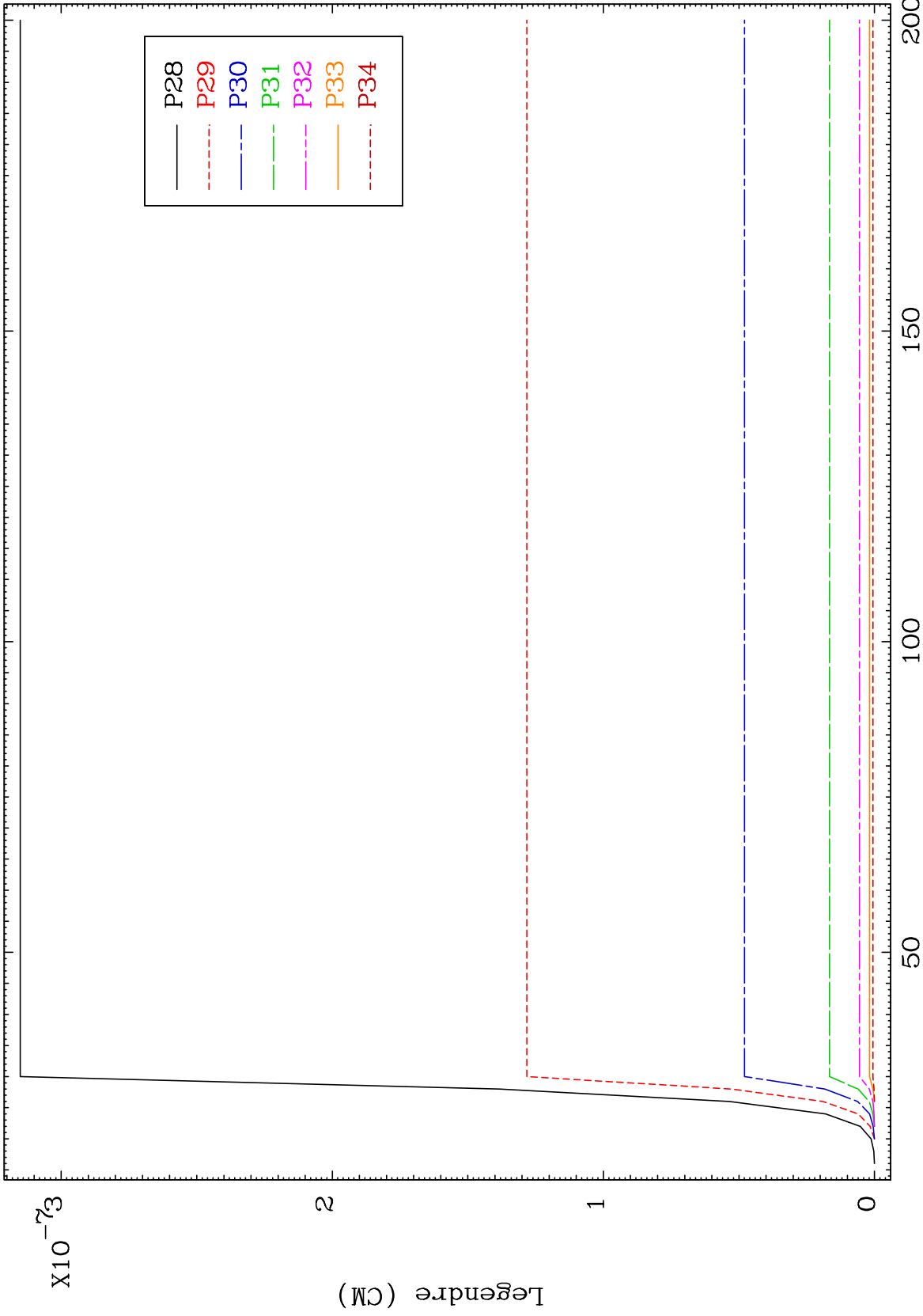
74

53-I -119

MAT 5301

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

53-I -119



75

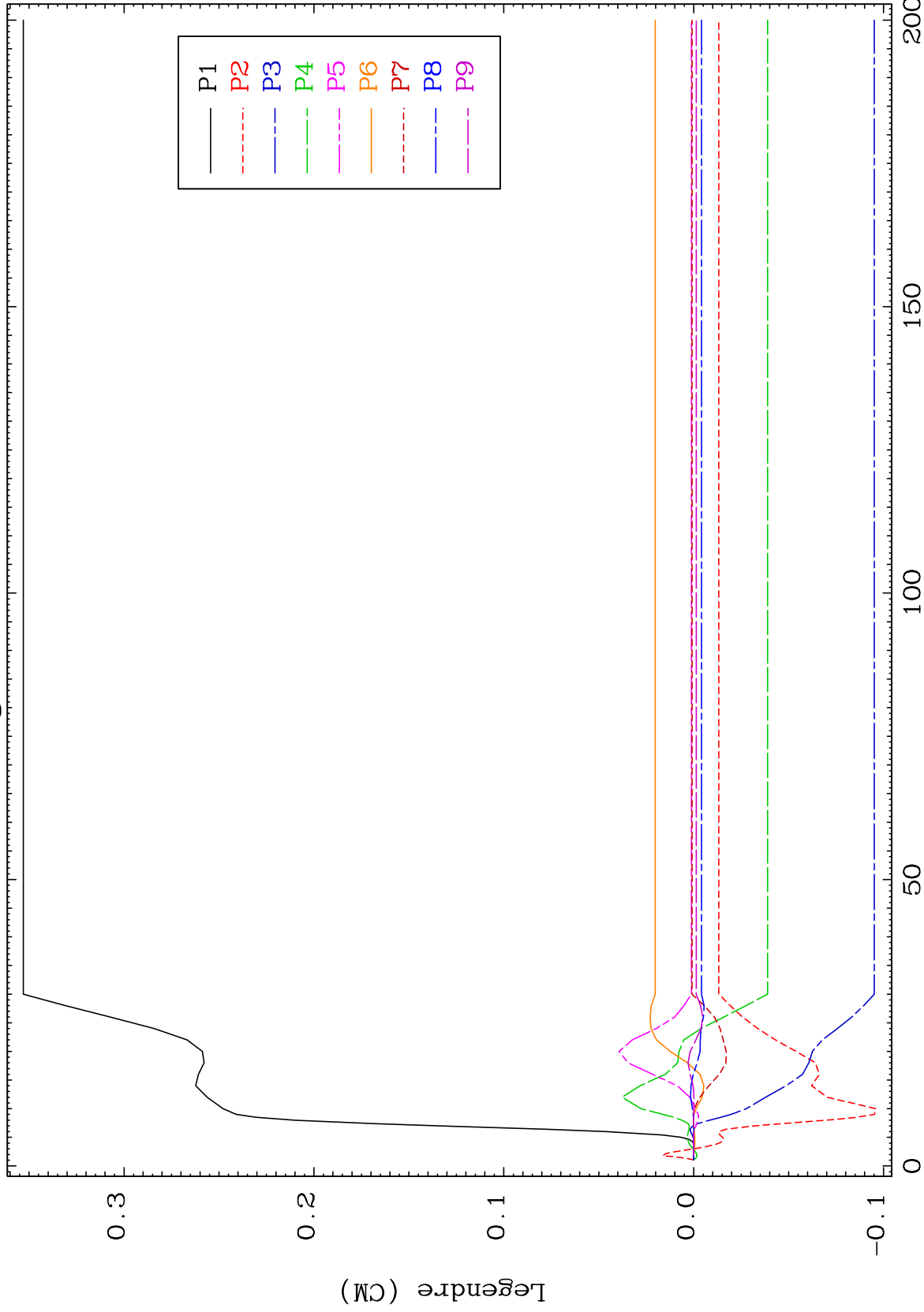
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



76

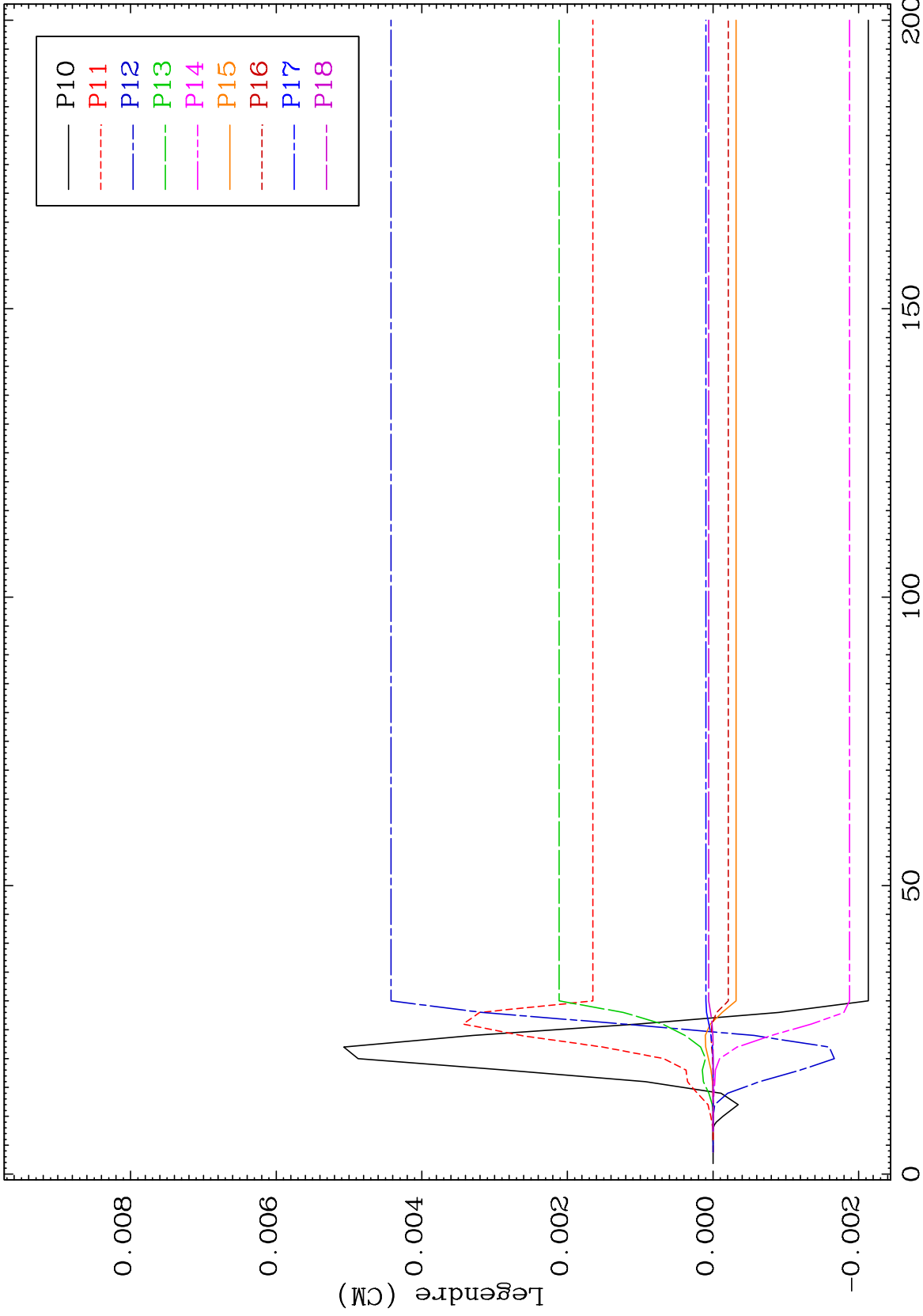
Incident Energy (MeV)

53-I -119

MAT 5301

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

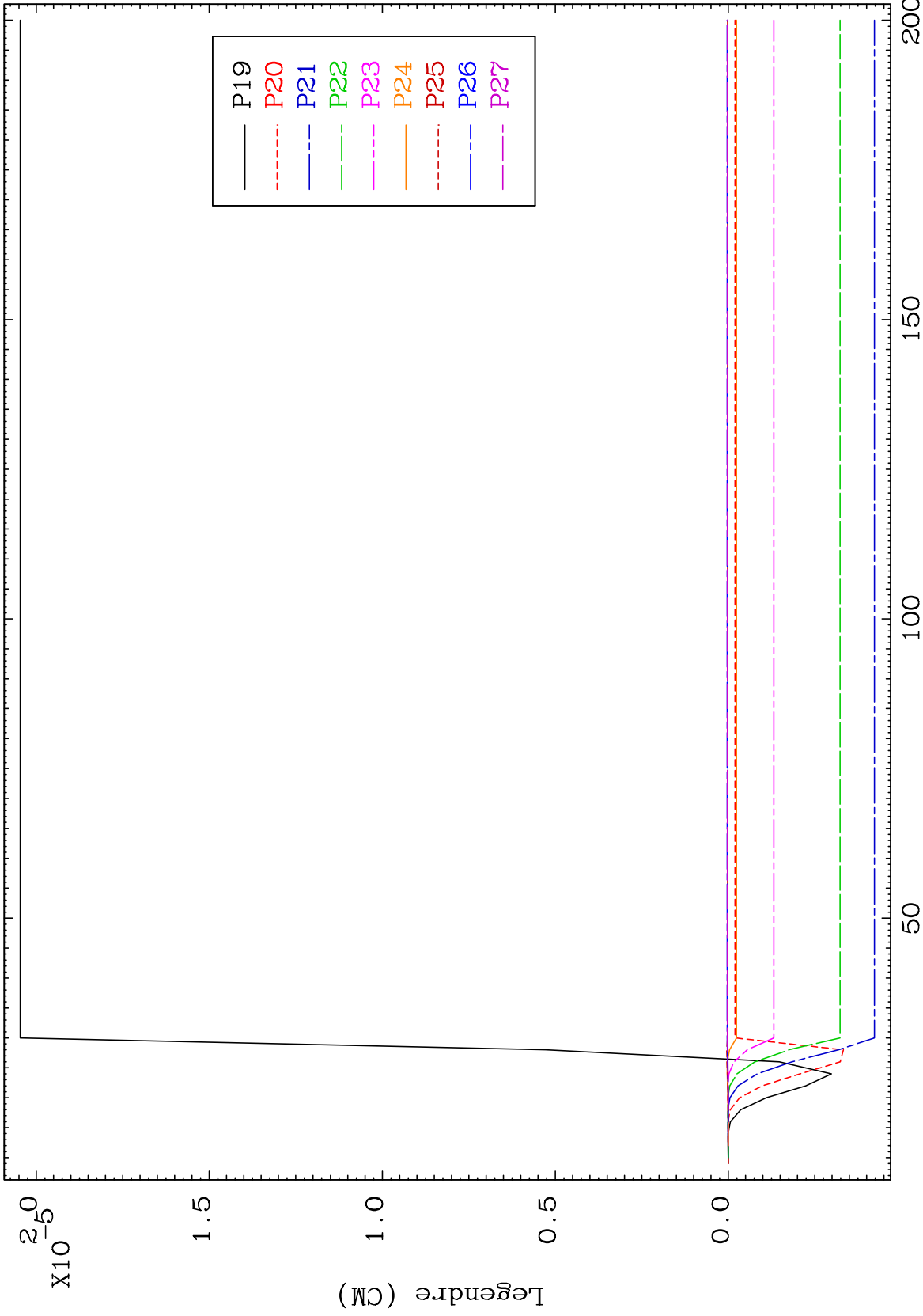
53-I -119



77

Incident Energy (MeV)

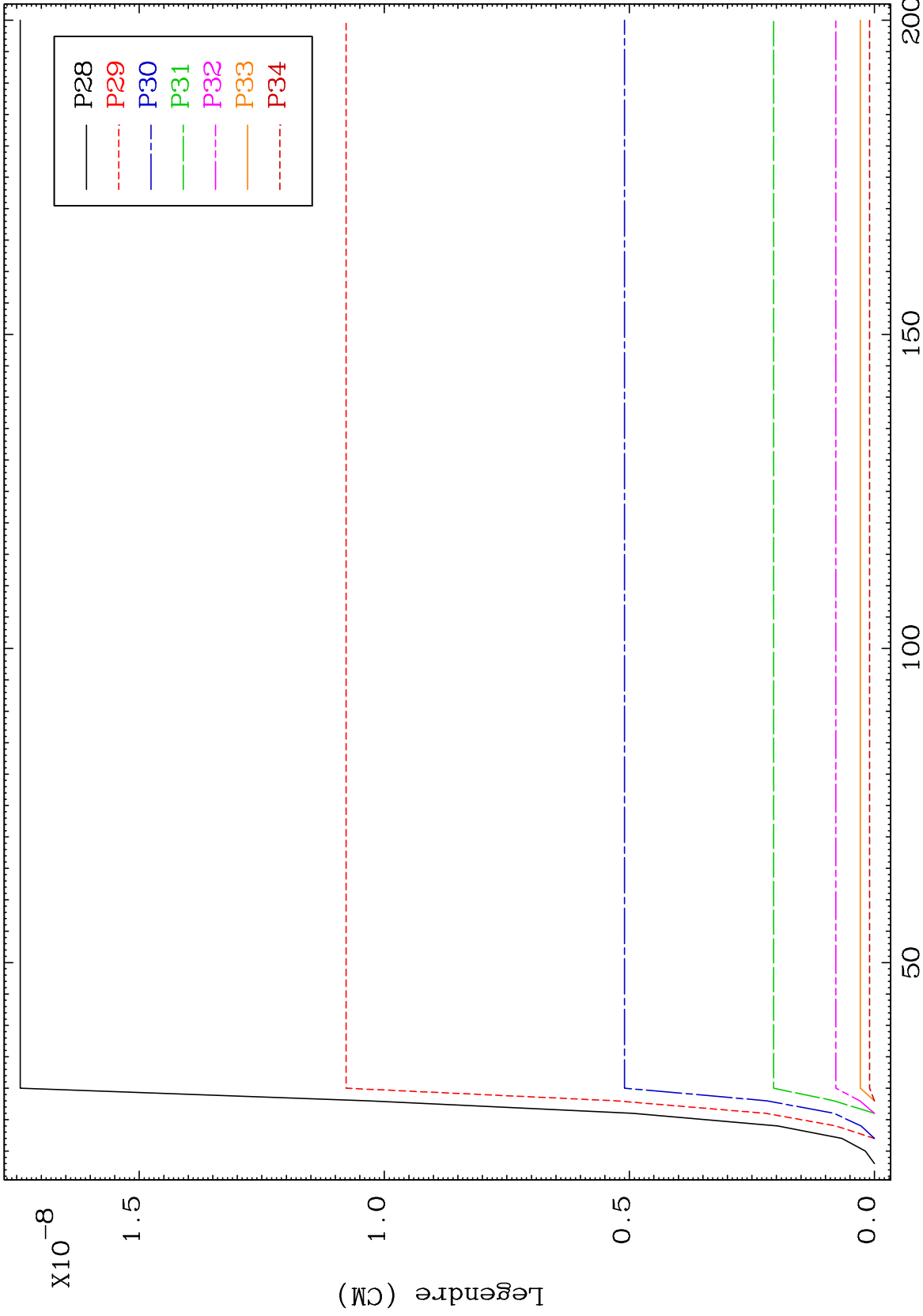
53-I -119



MAT 5301

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

53-I -119



79

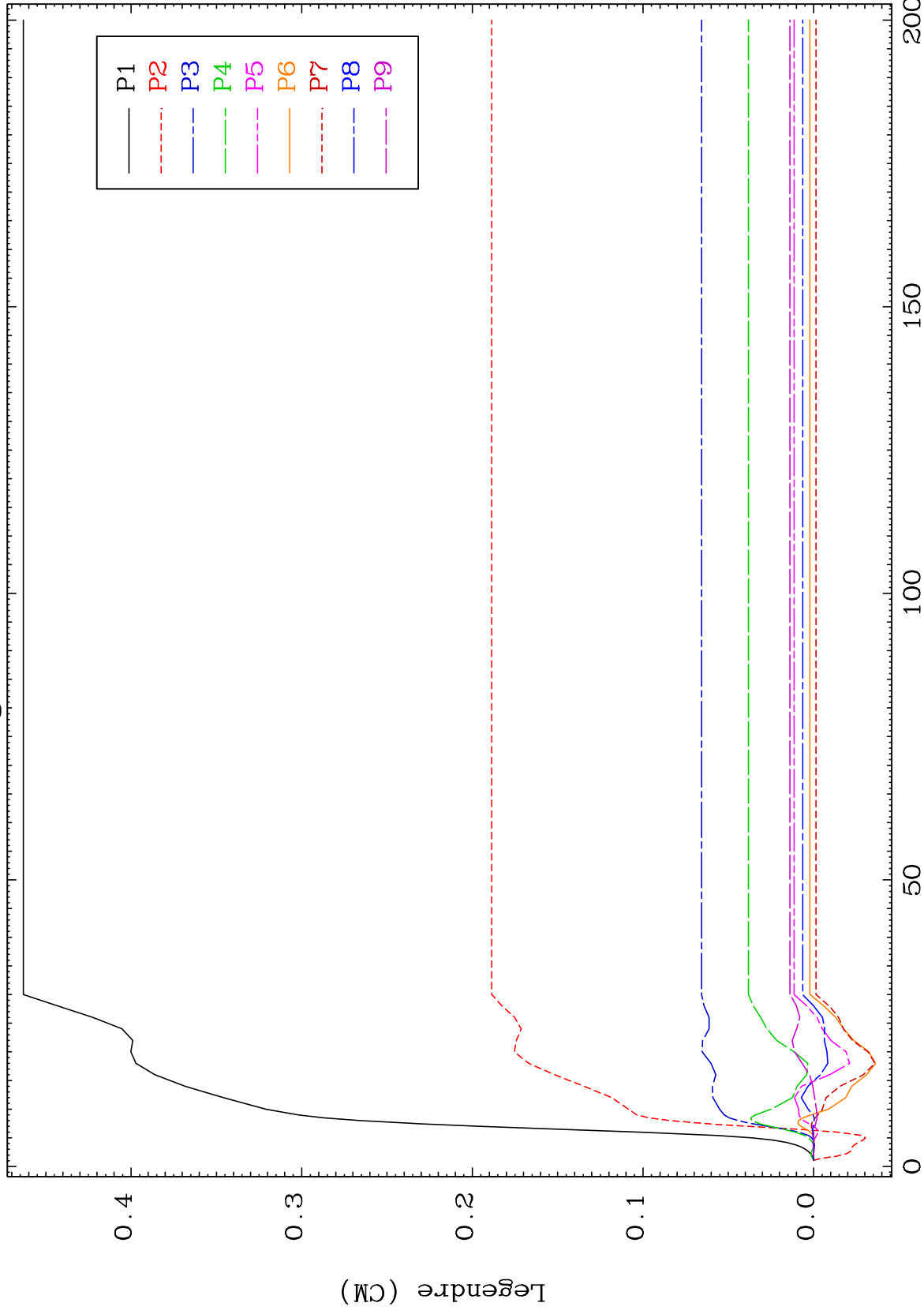
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



53-I -119

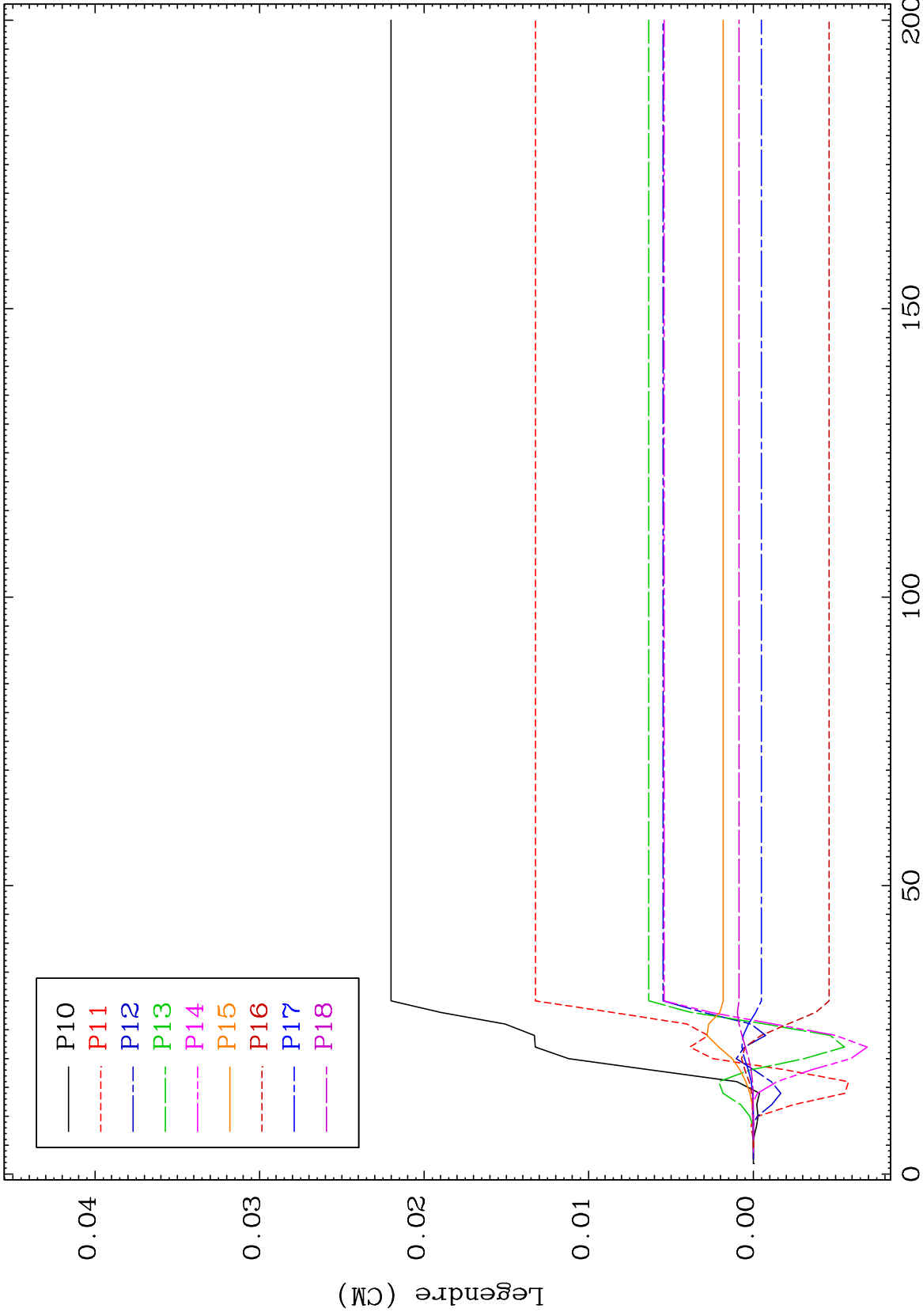
Incident Energy (MeV)

80

MAT 5301

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

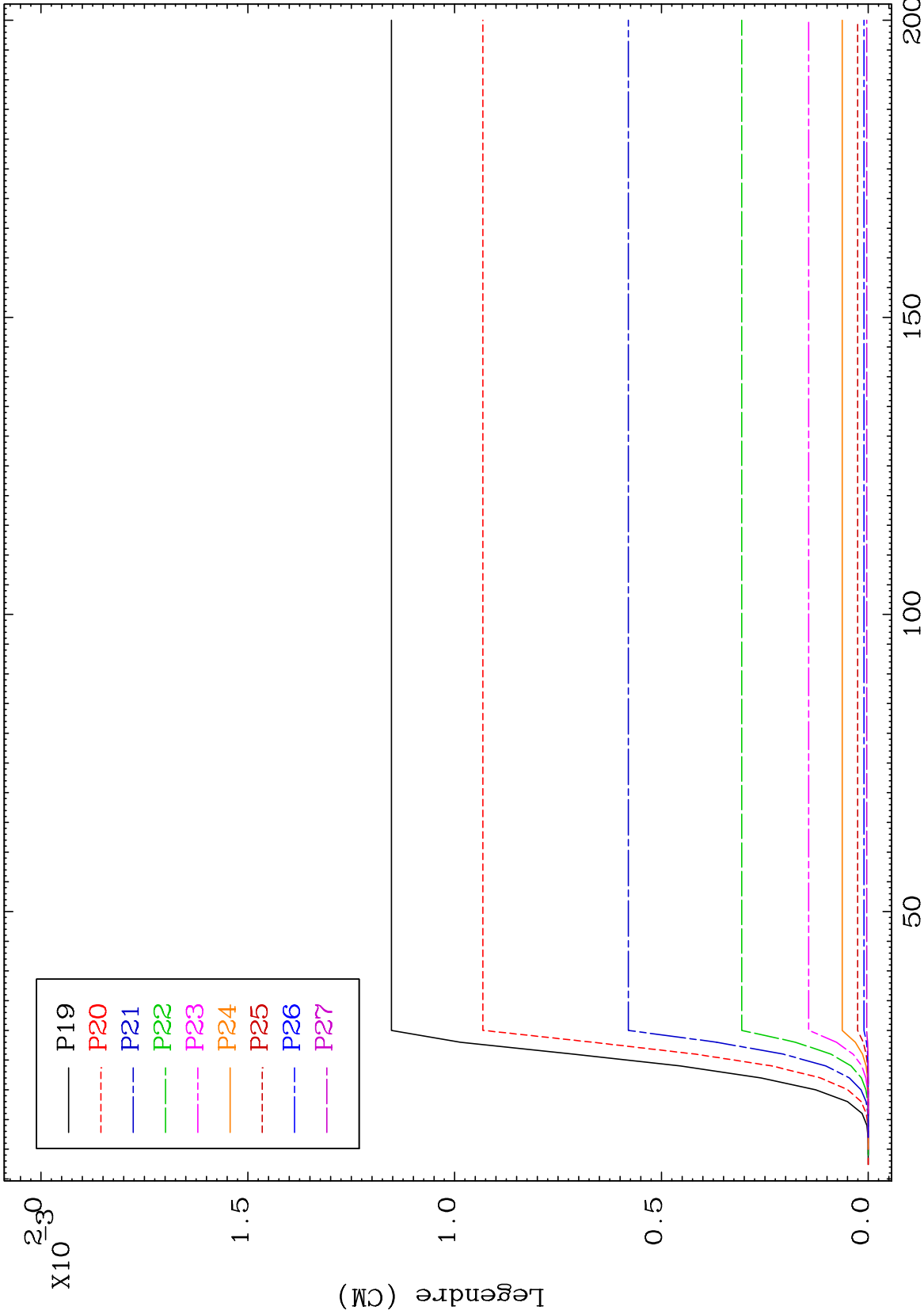
53-I -119

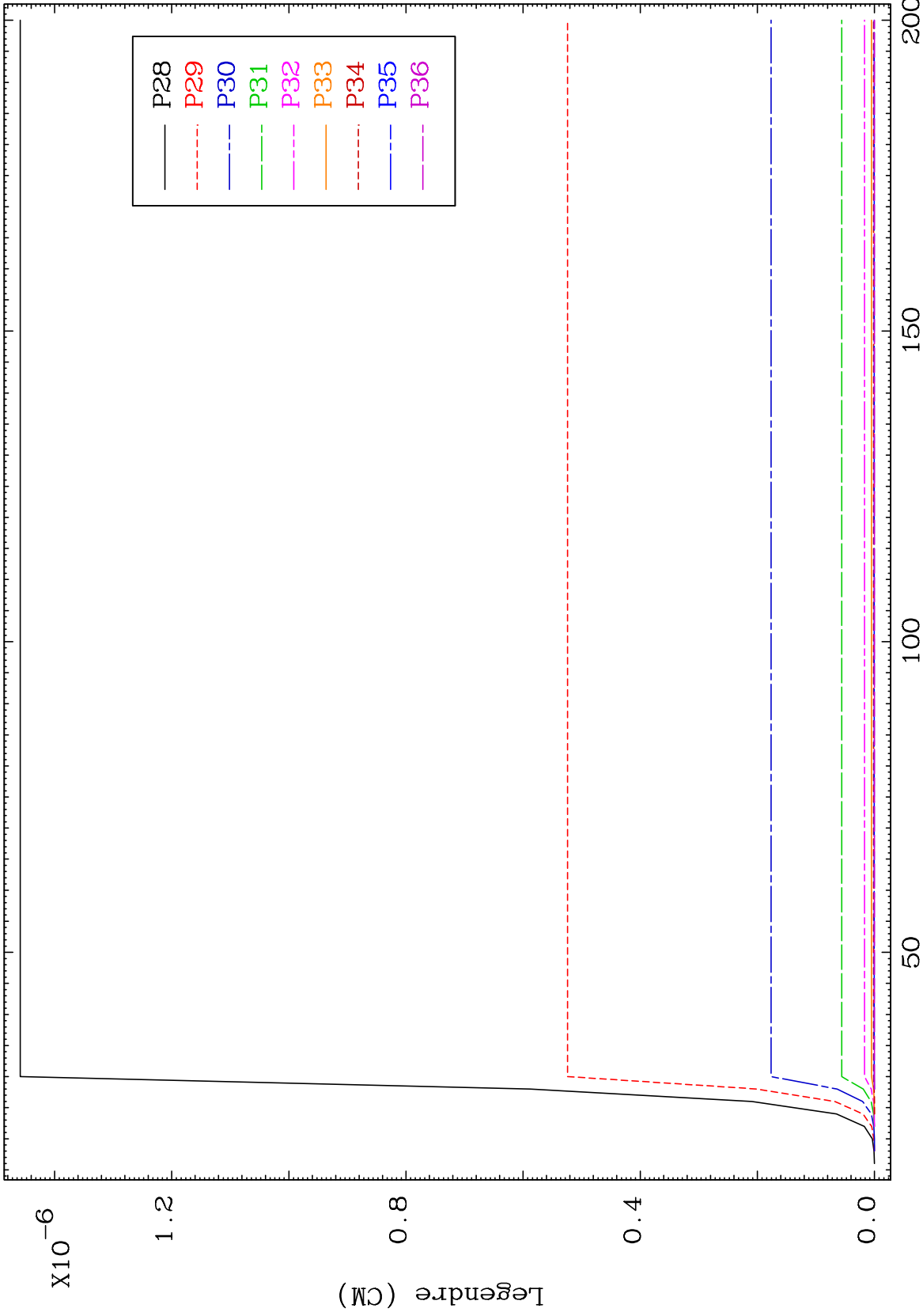


81

Incident Energy (MeV)

53-I -119

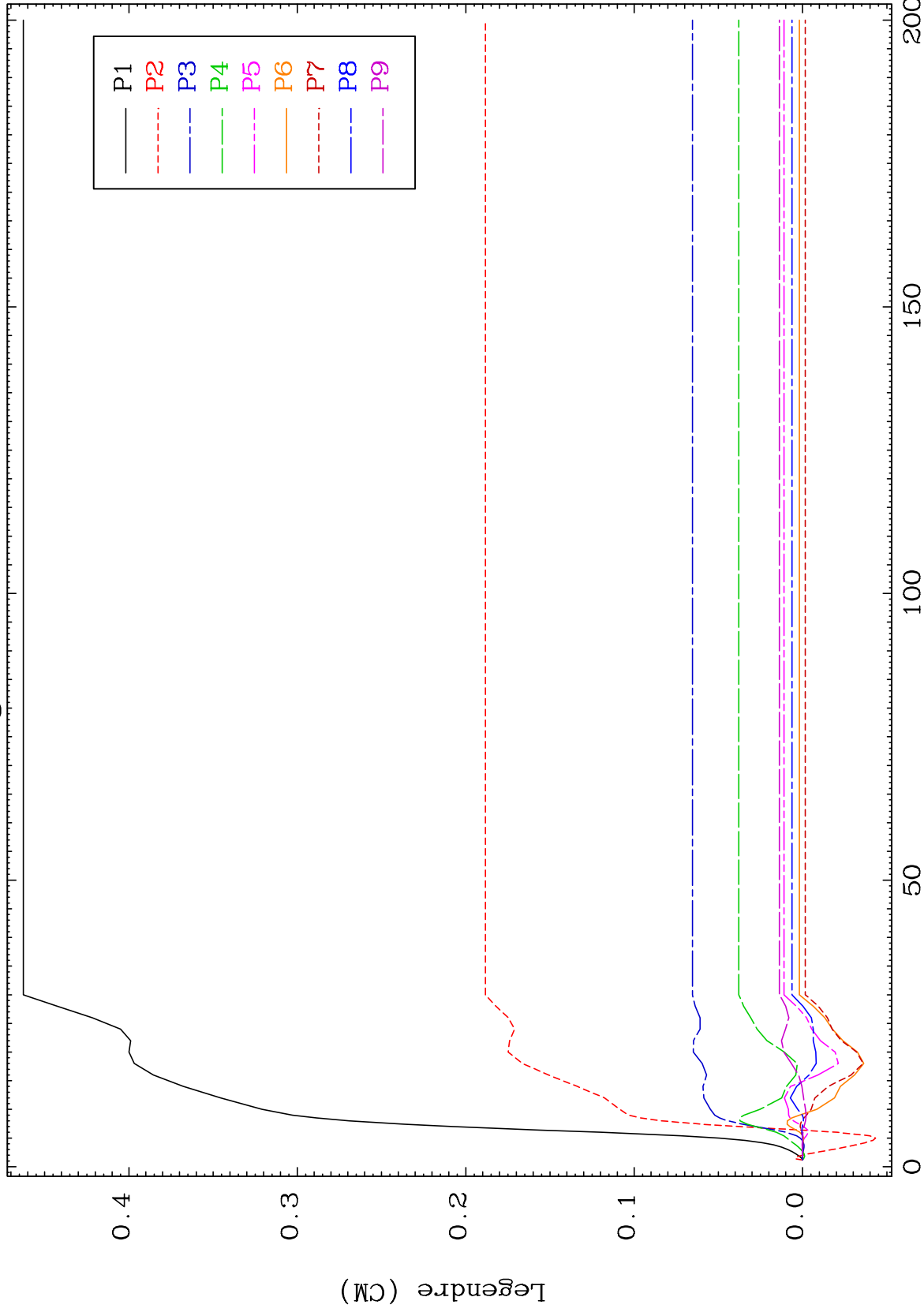




MAT 5301

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

53-I -119



84

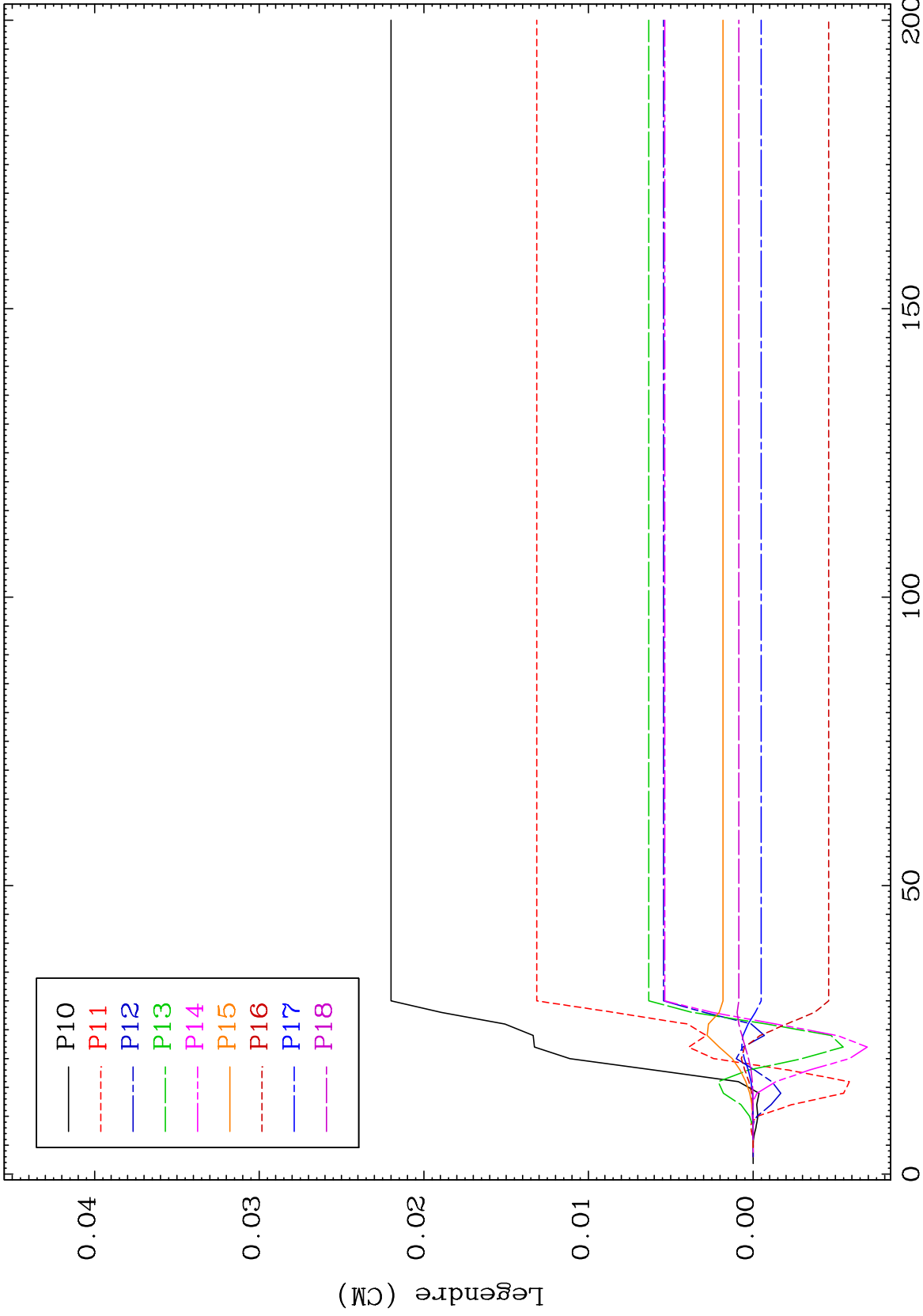
Incident Energy (MeV)

53-I -119

MAT 5301

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

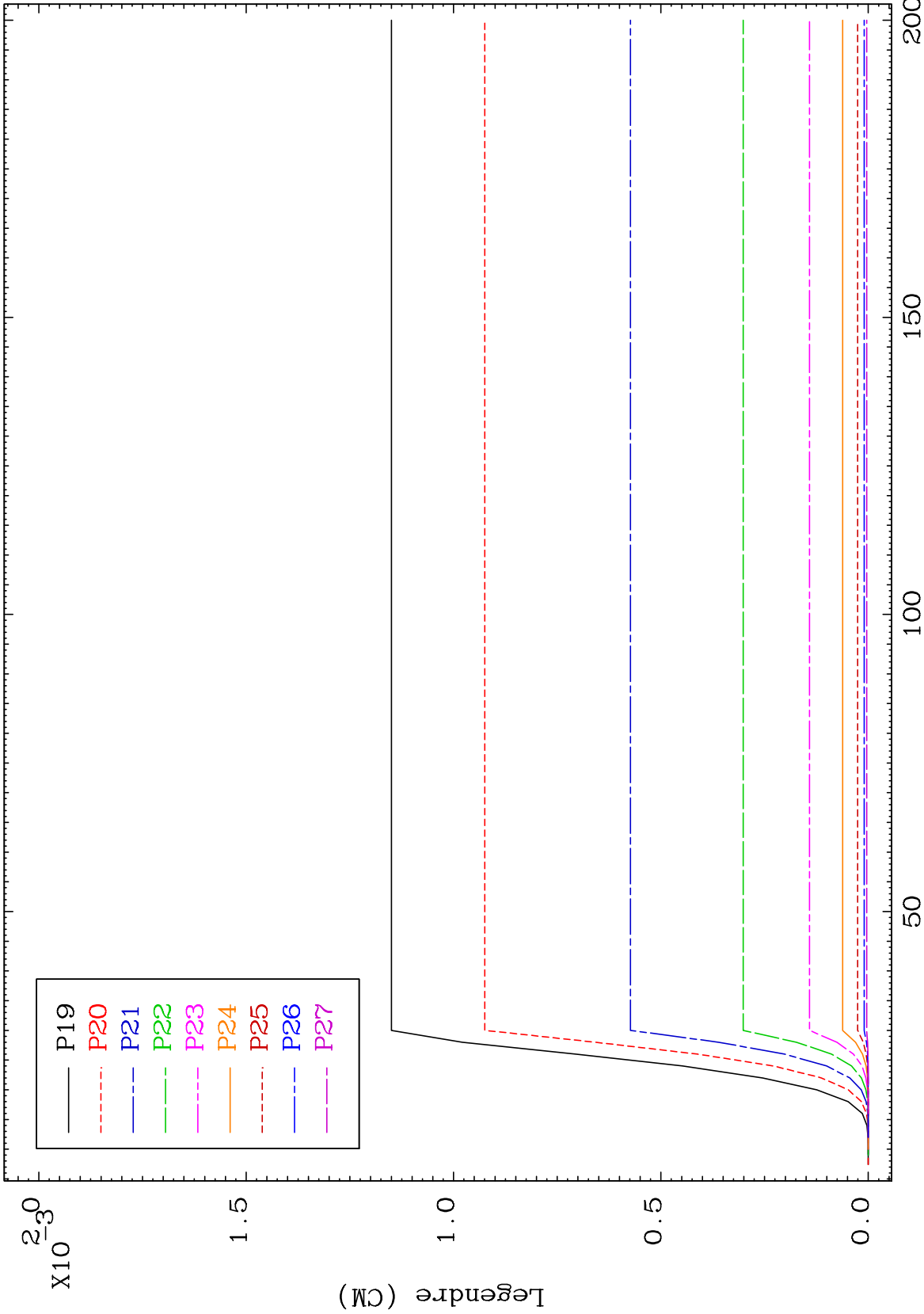
53-I -119



85

Incident Energy (MeV)

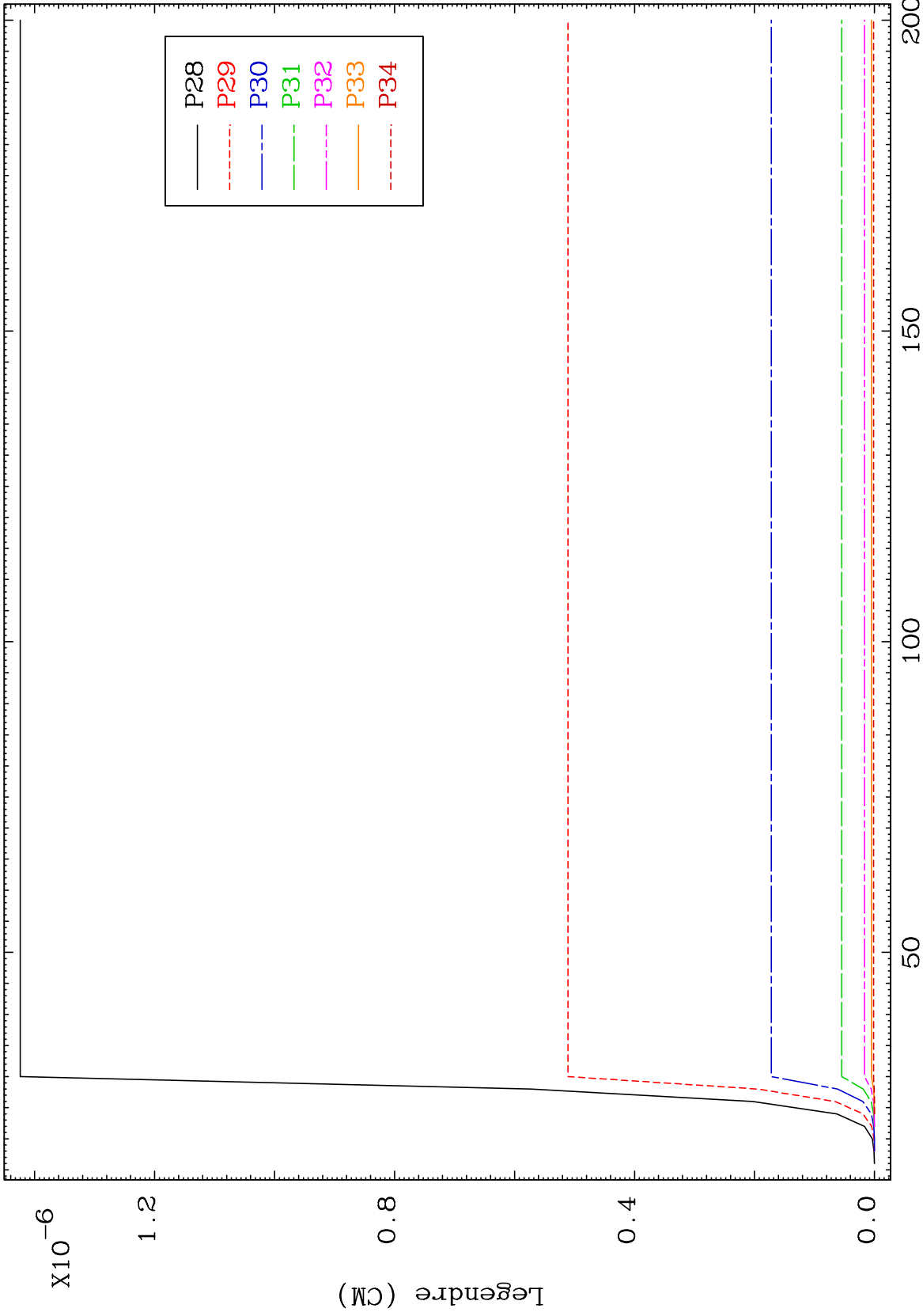
53-I -119



MAT 5301

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

53-I -119



87

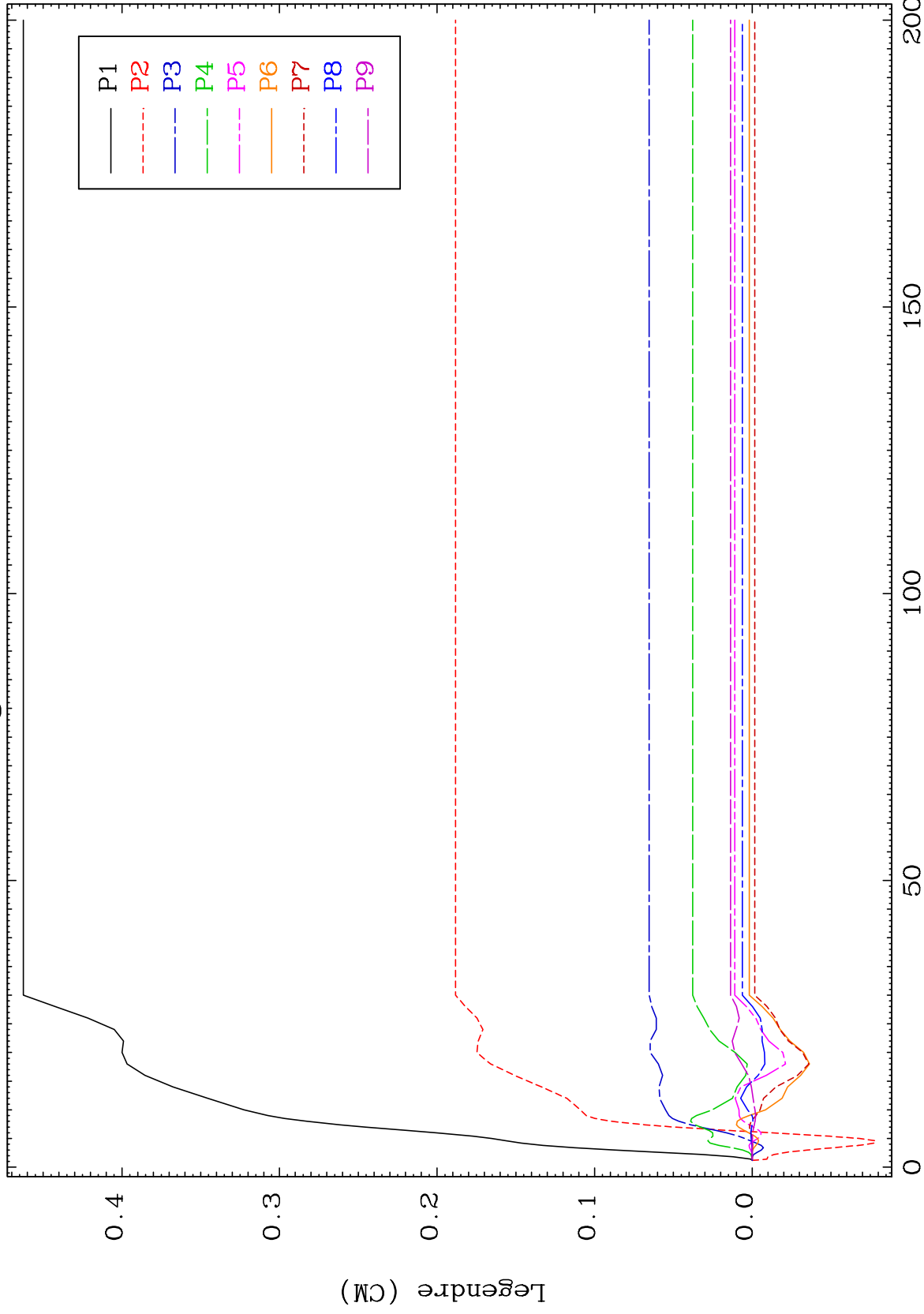
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



88

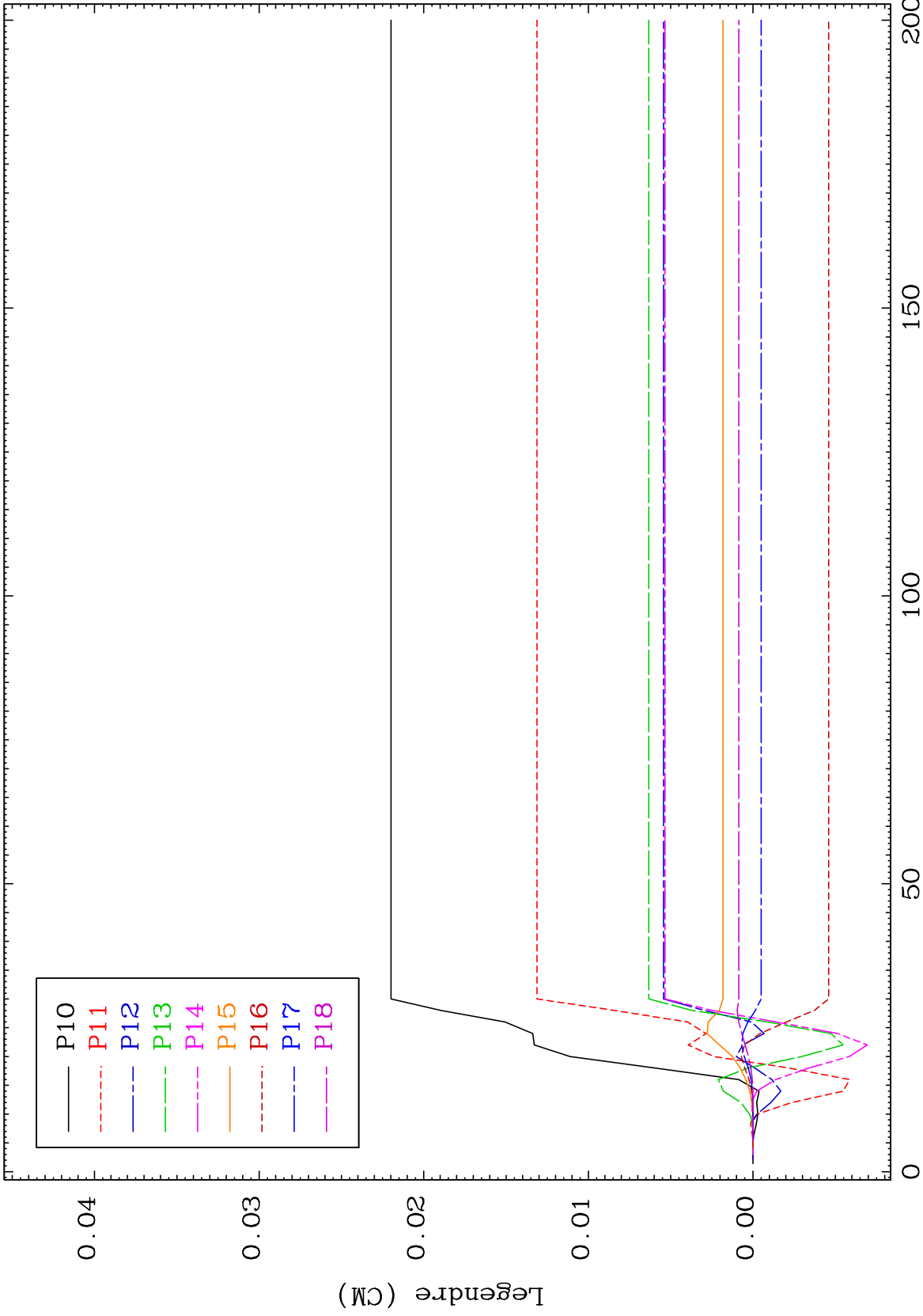
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



89

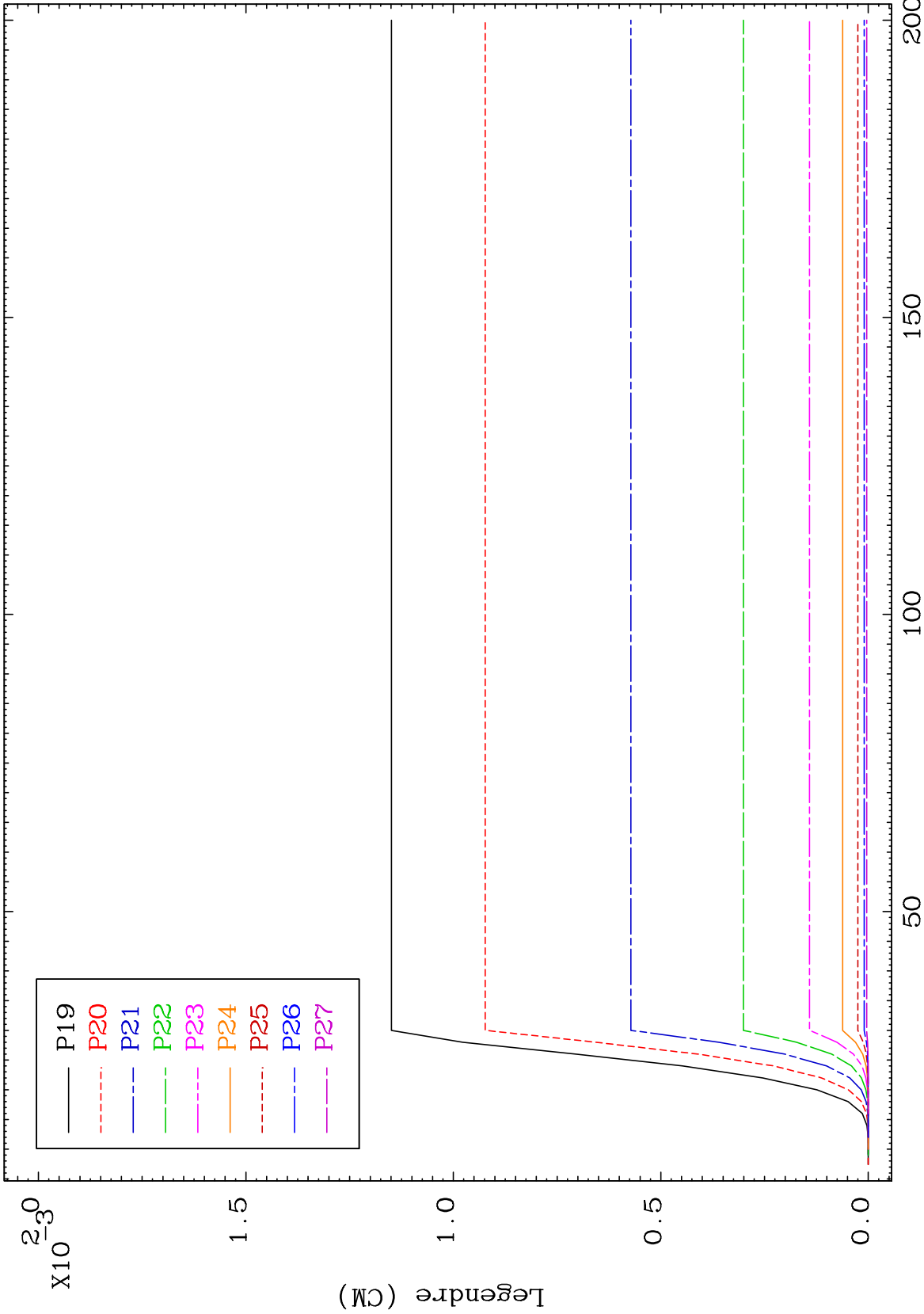
Incident Energy (MeV)

53-I -119

MAT 5301

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

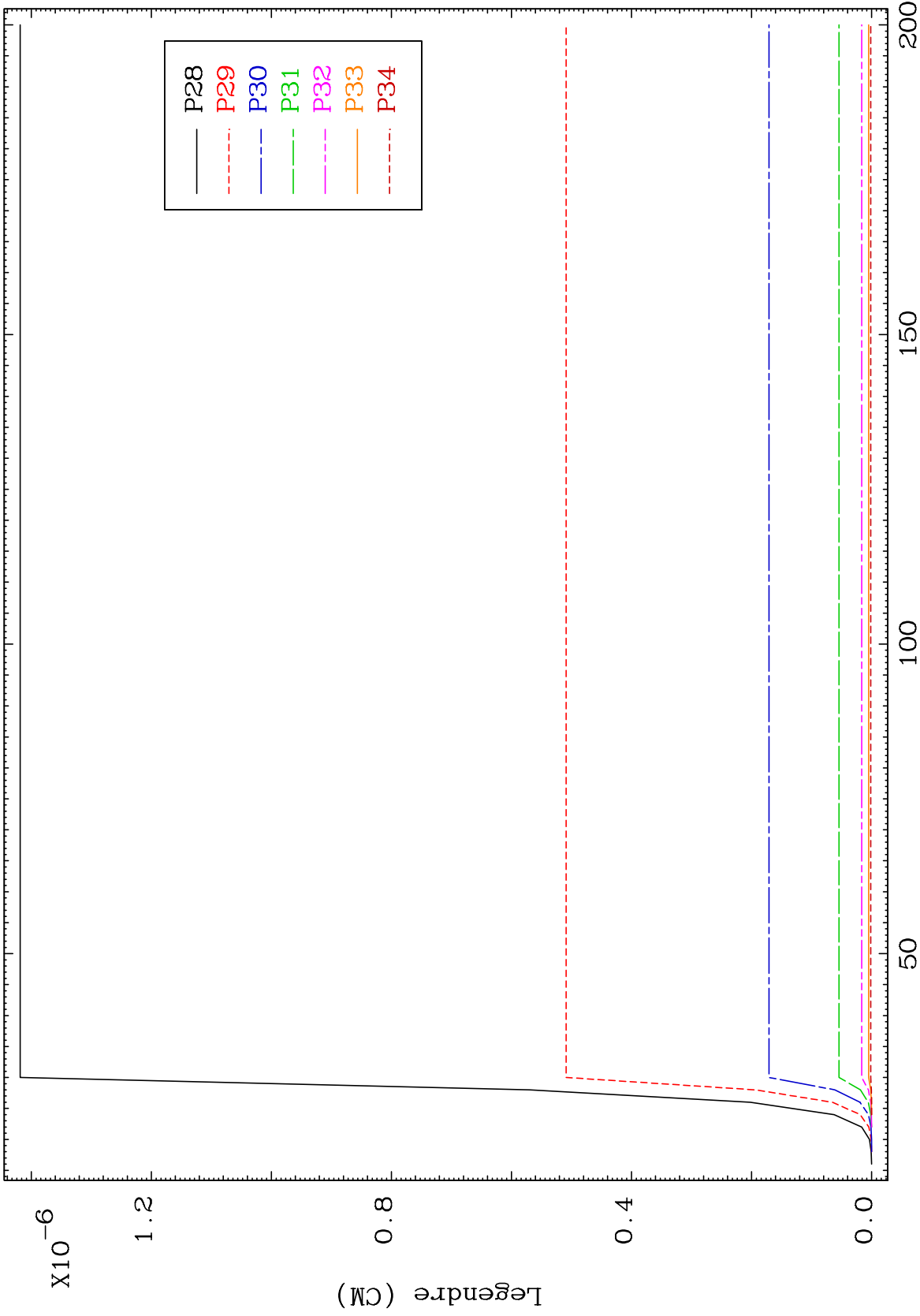
53-I -119



90

Incident Energy (MeV)

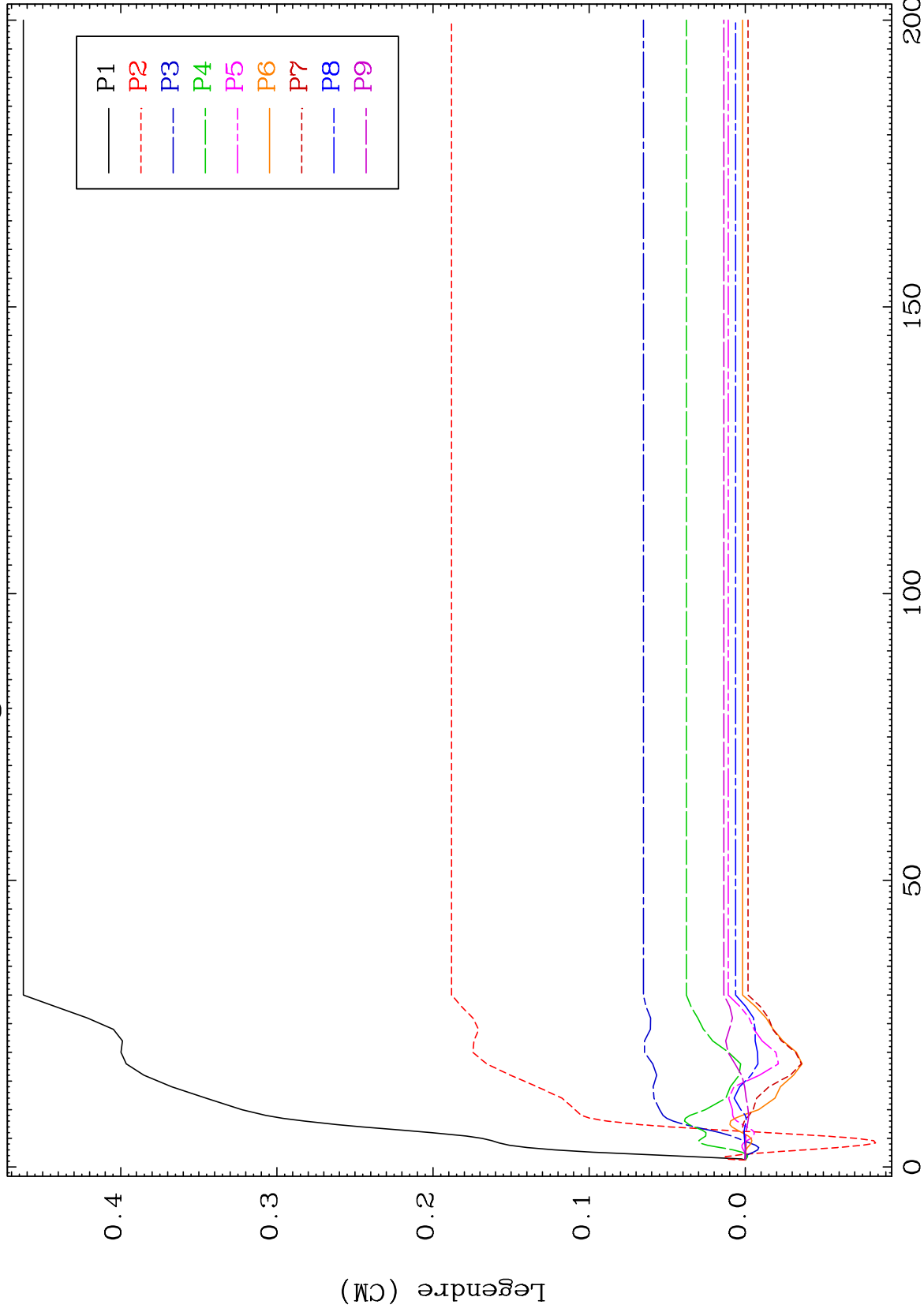
53-I -119



MAT 5301

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

53-I -119



92

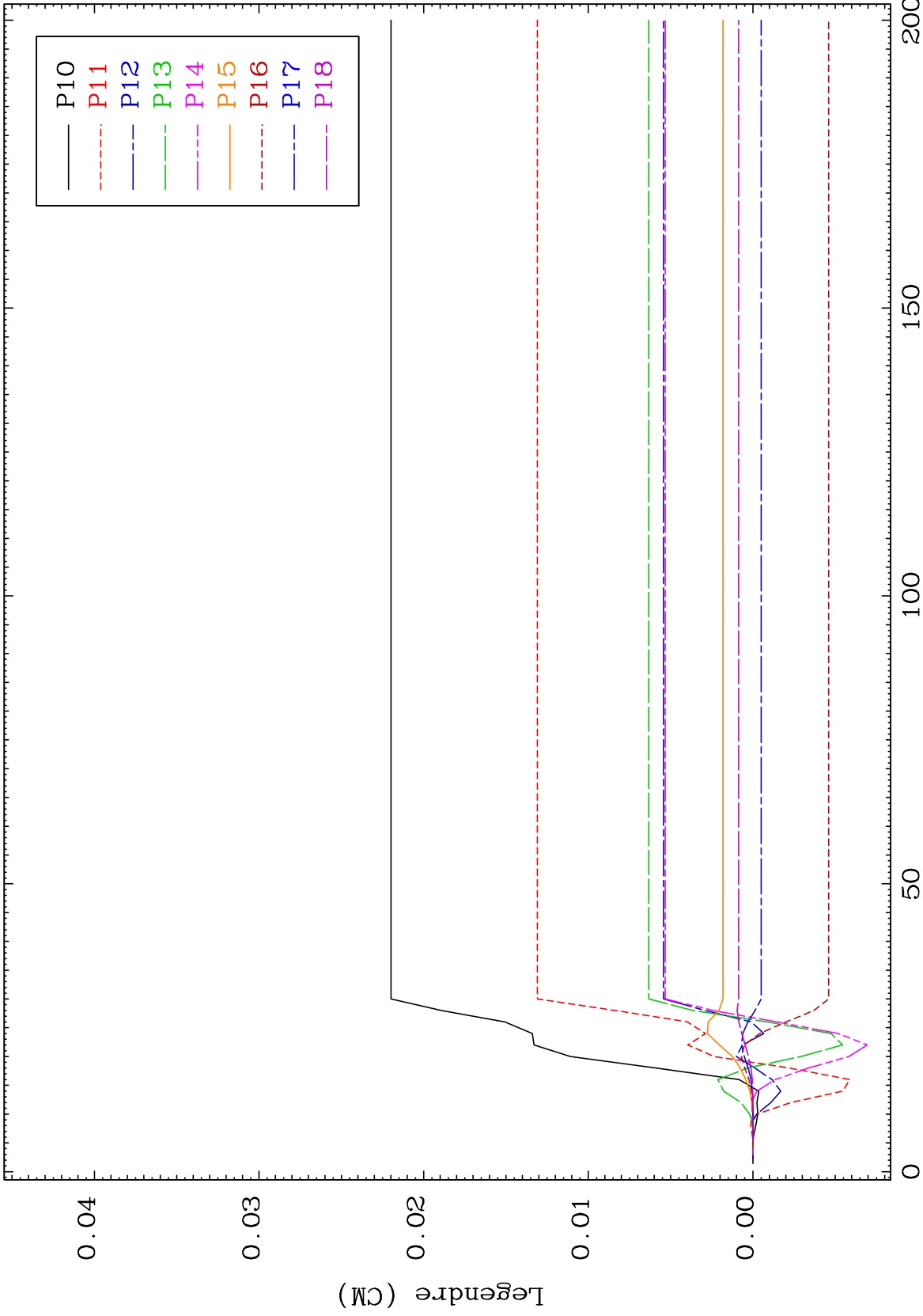
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



93

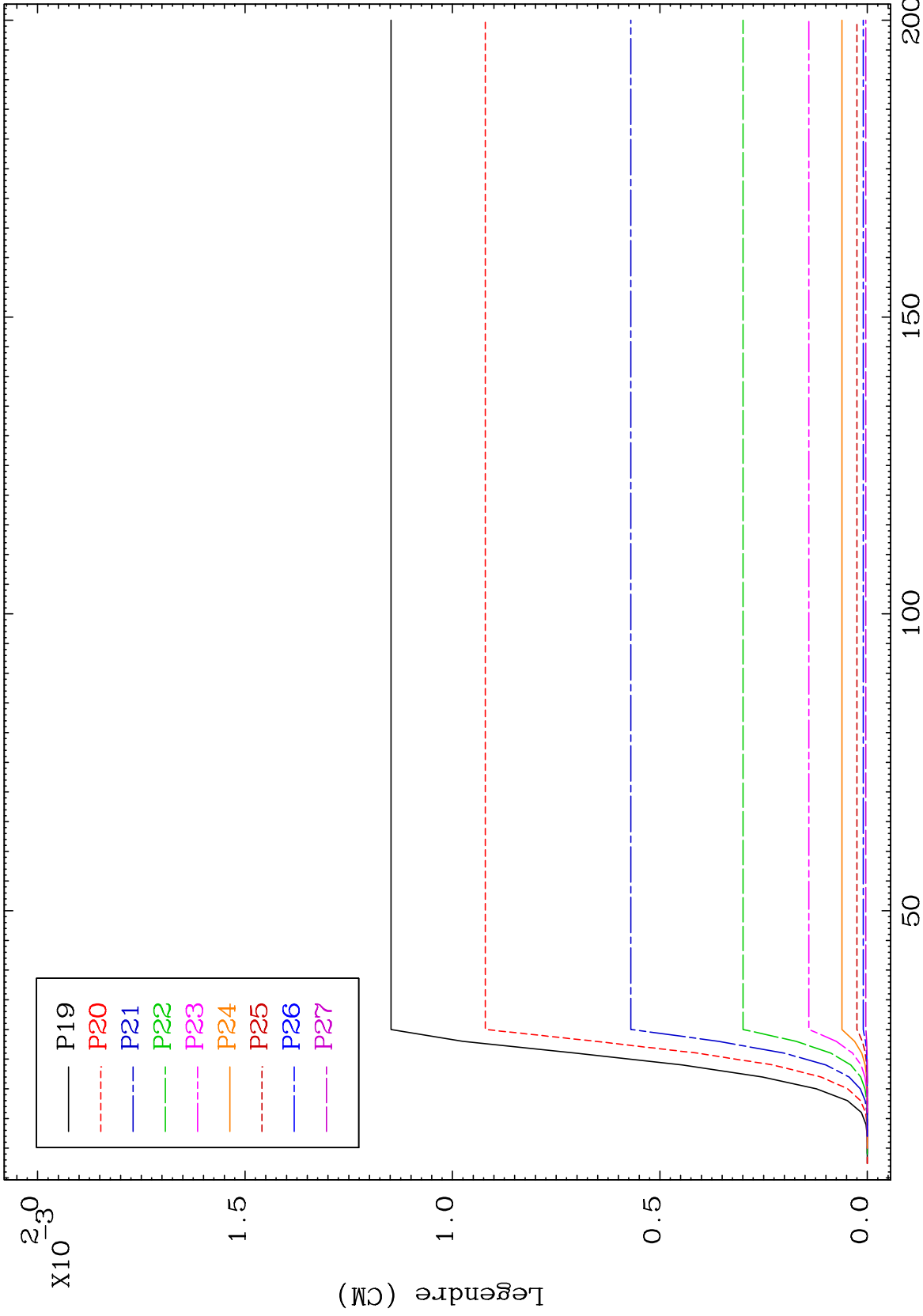
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



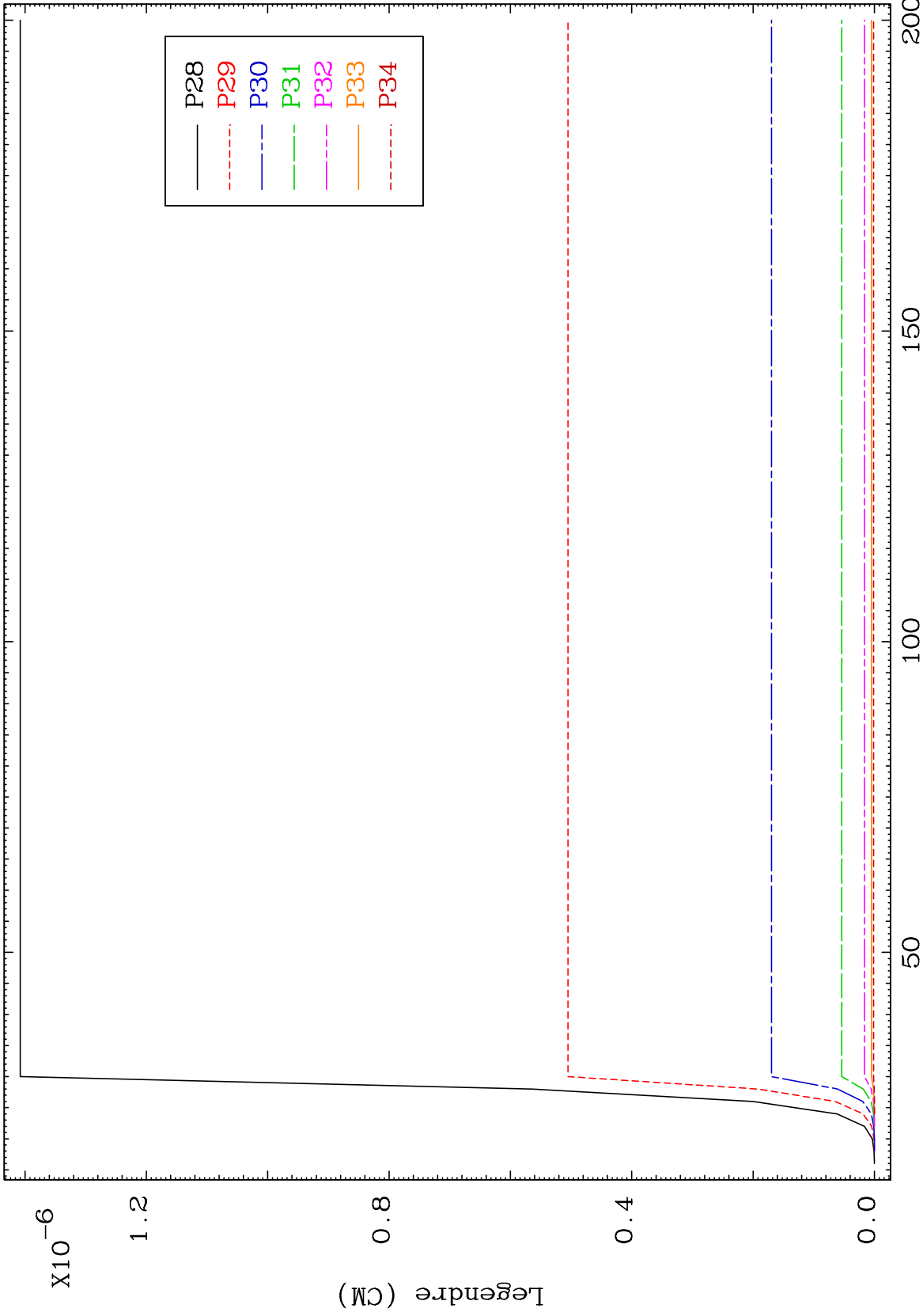
94

53-I -119

MAT 5301

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

53-I -119



95

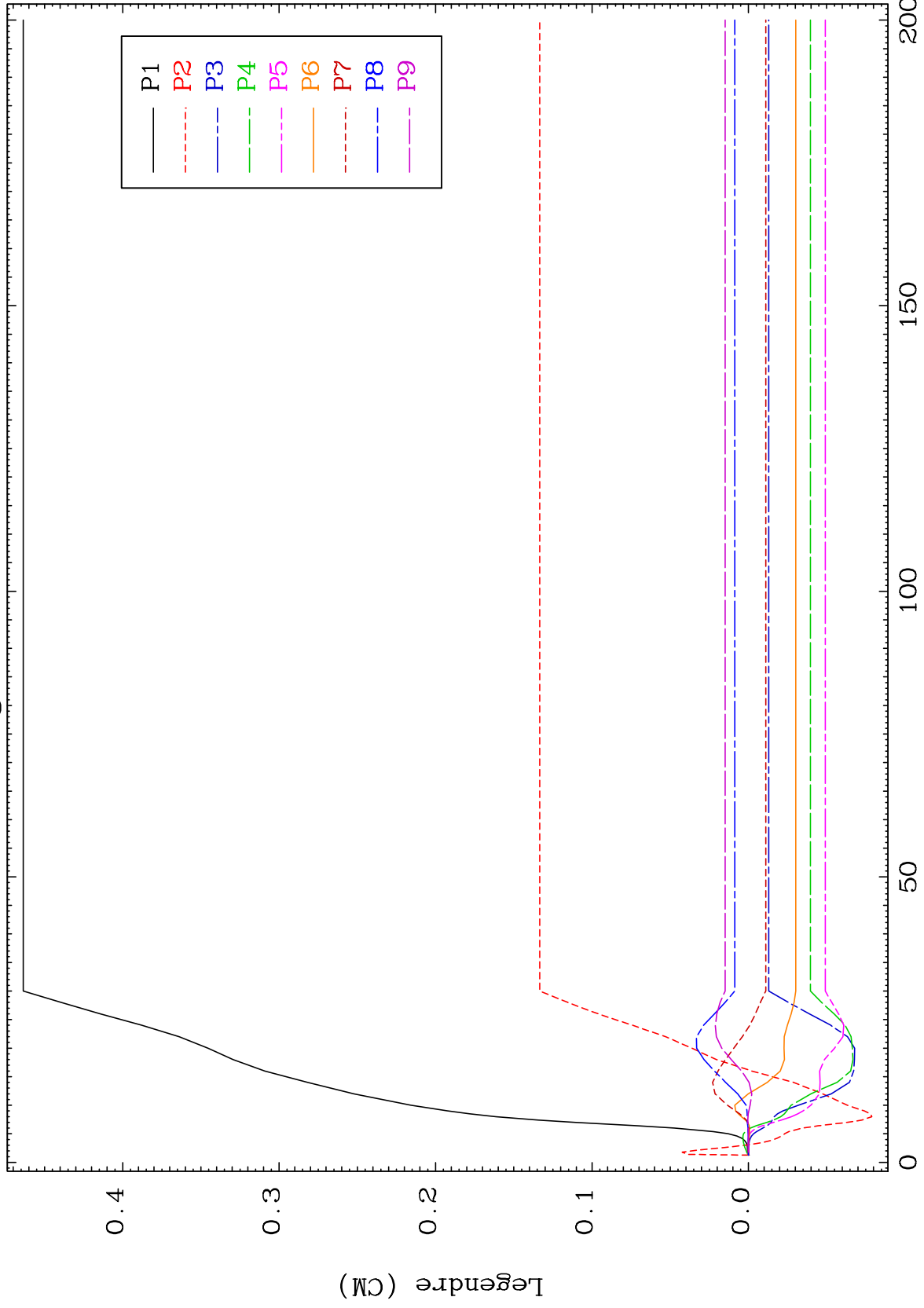
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



96

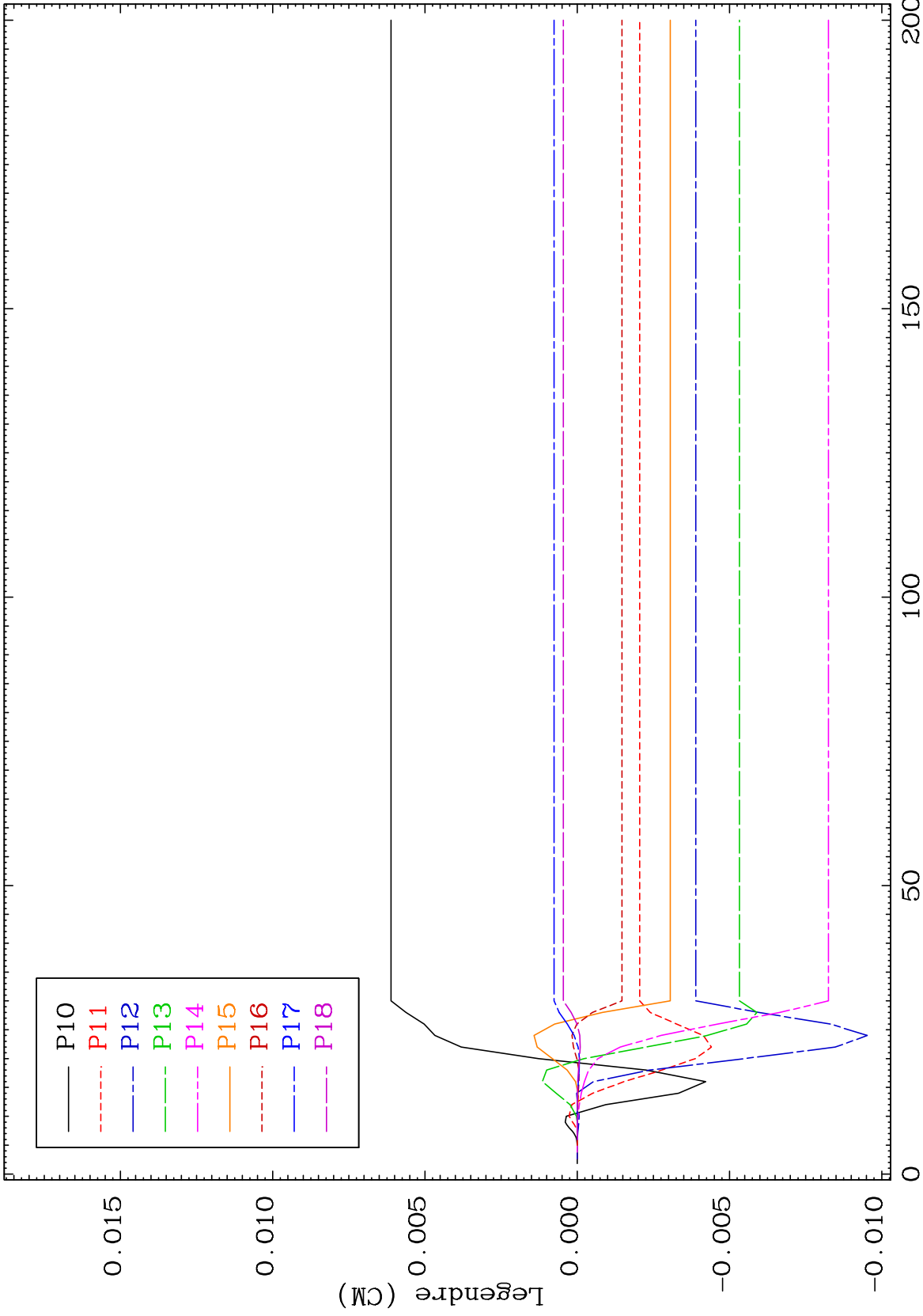
Incident Energy (MeV)

53-I -119

MAT 5301

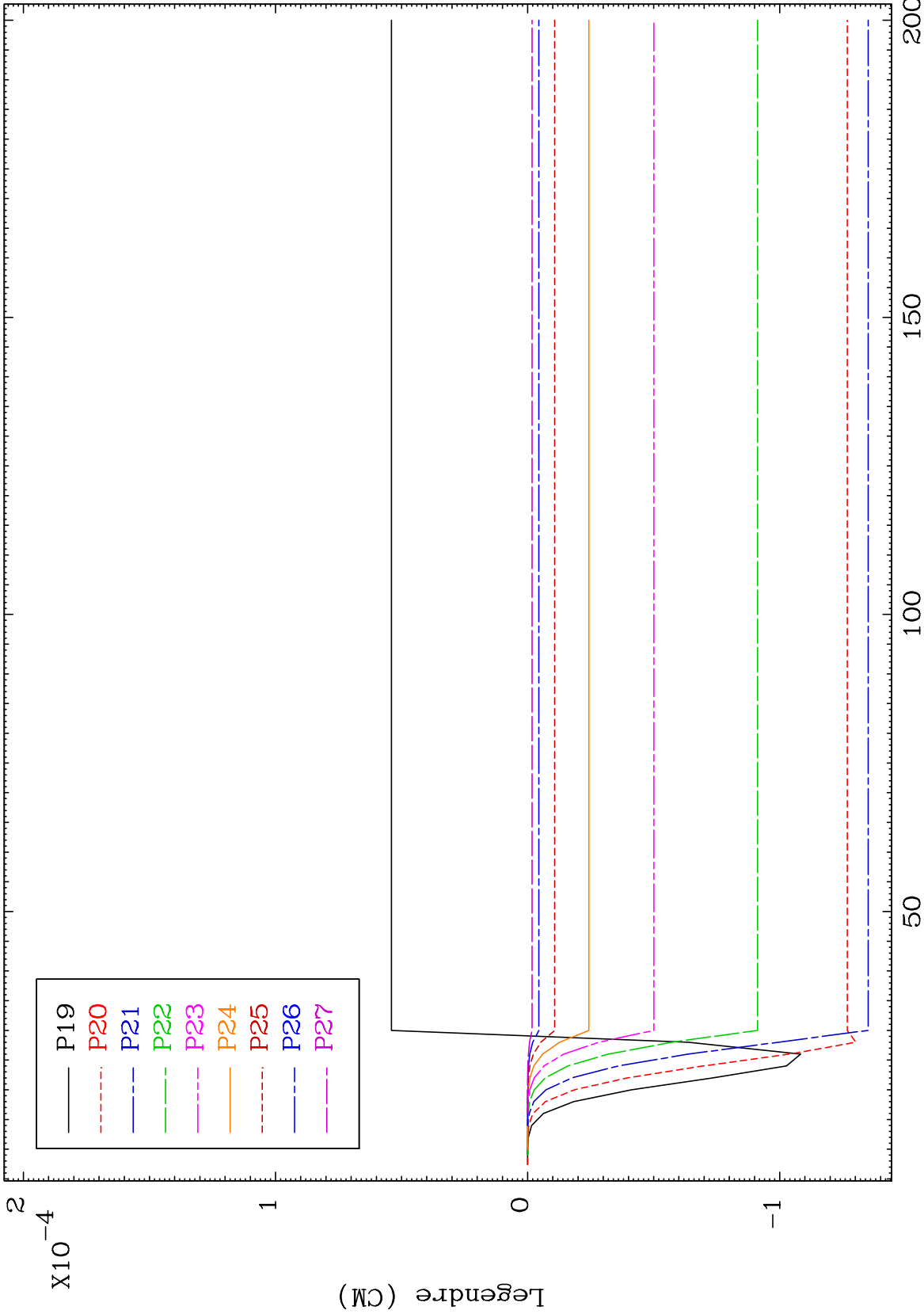
MT= 70 (n,n') Level
Legendre Coefficients

53-I -119



97

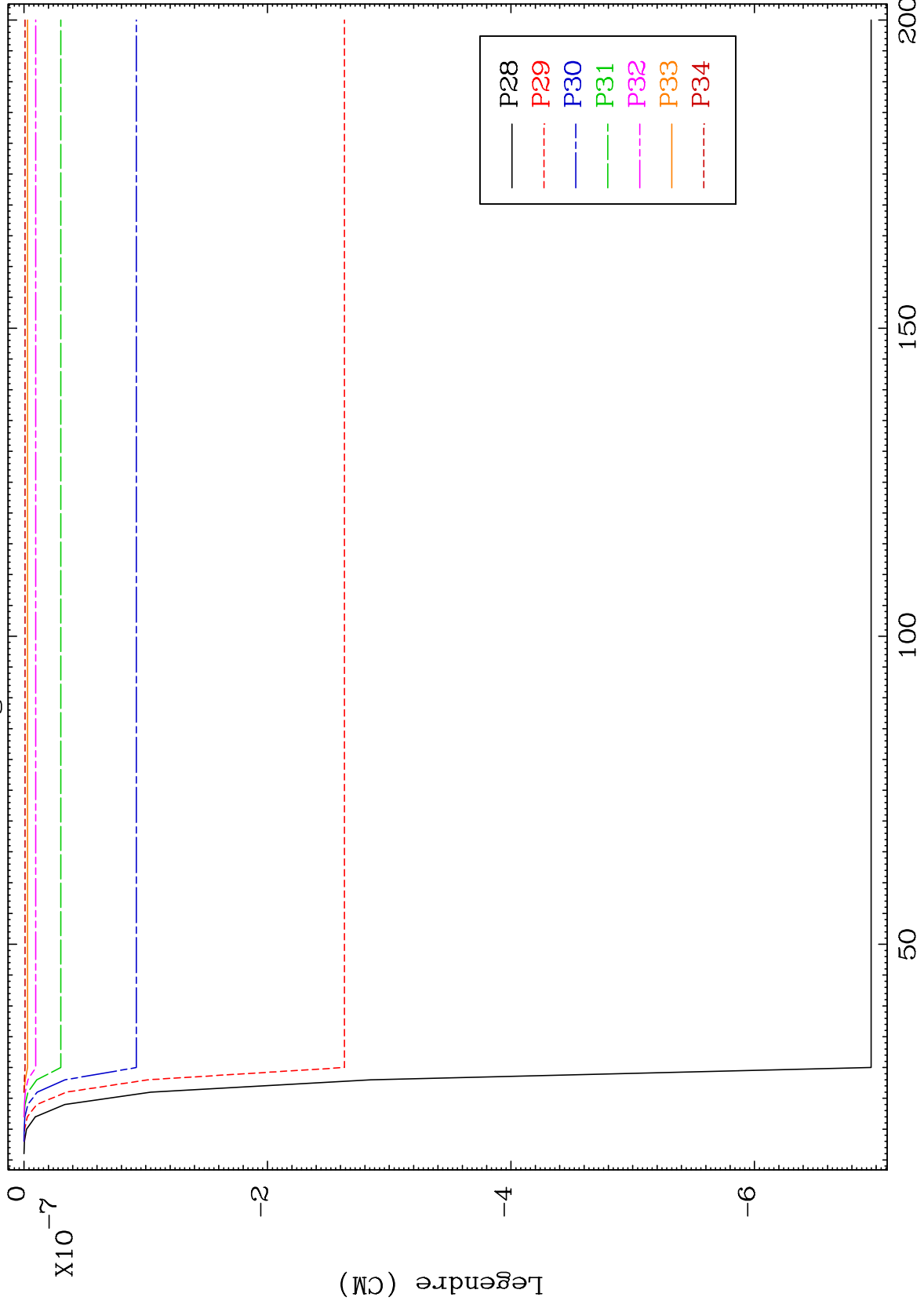
53-I -119



MAT 5301

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

53-I -119



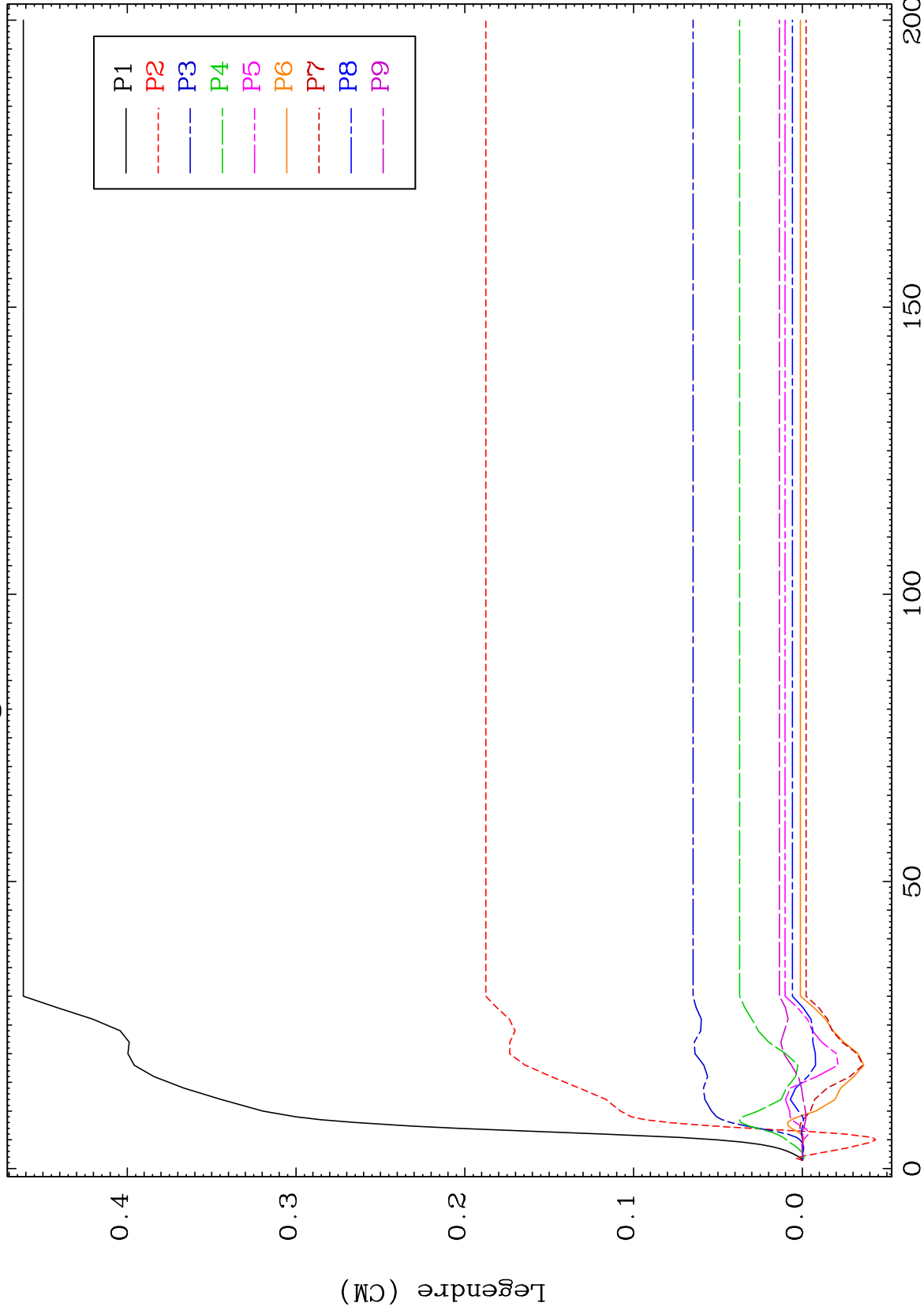
99

53-I -119

MAT 5301

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

53-I -119



53-I -119

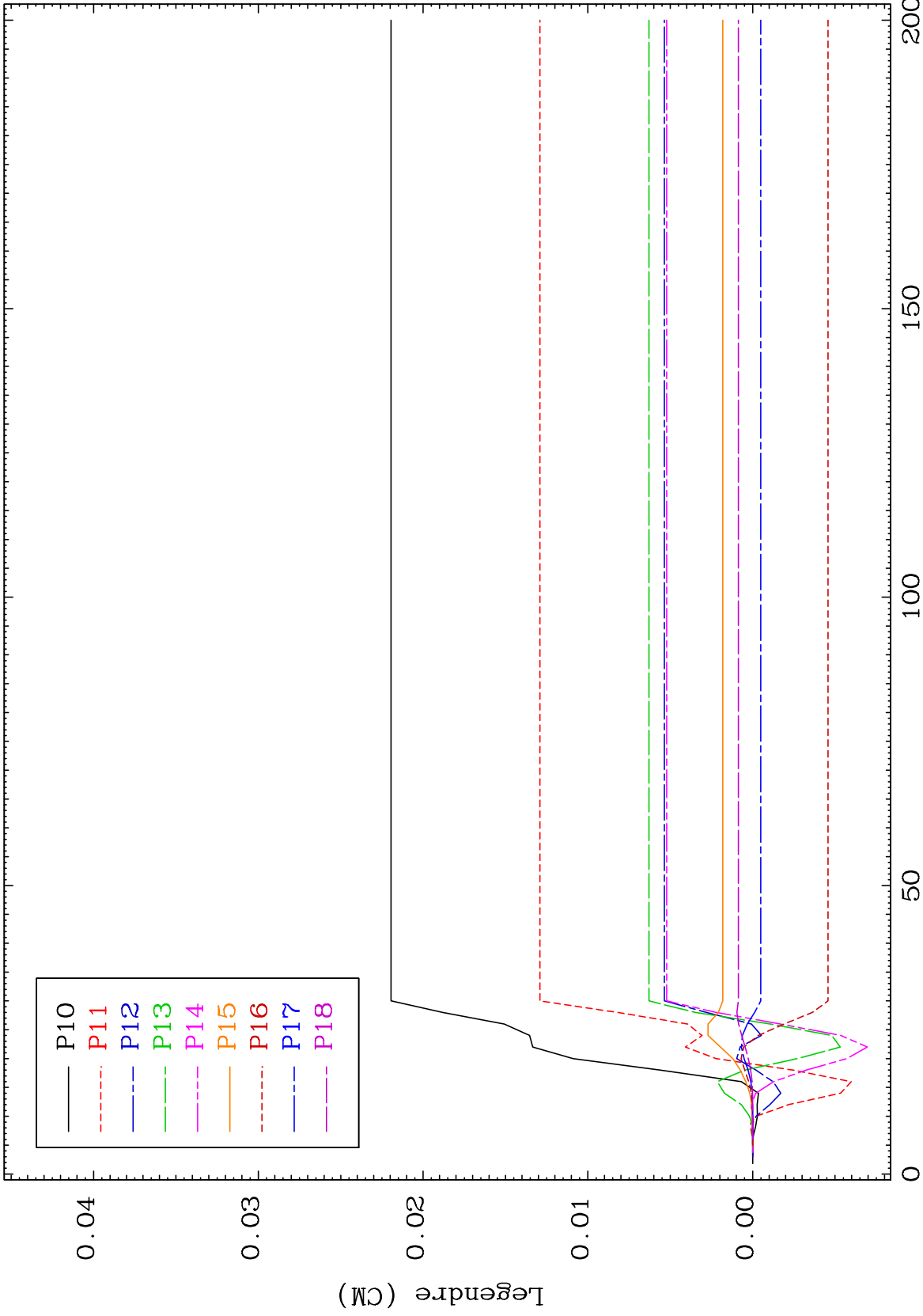
Incident Energy (MeV)

100

MAT 5301

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

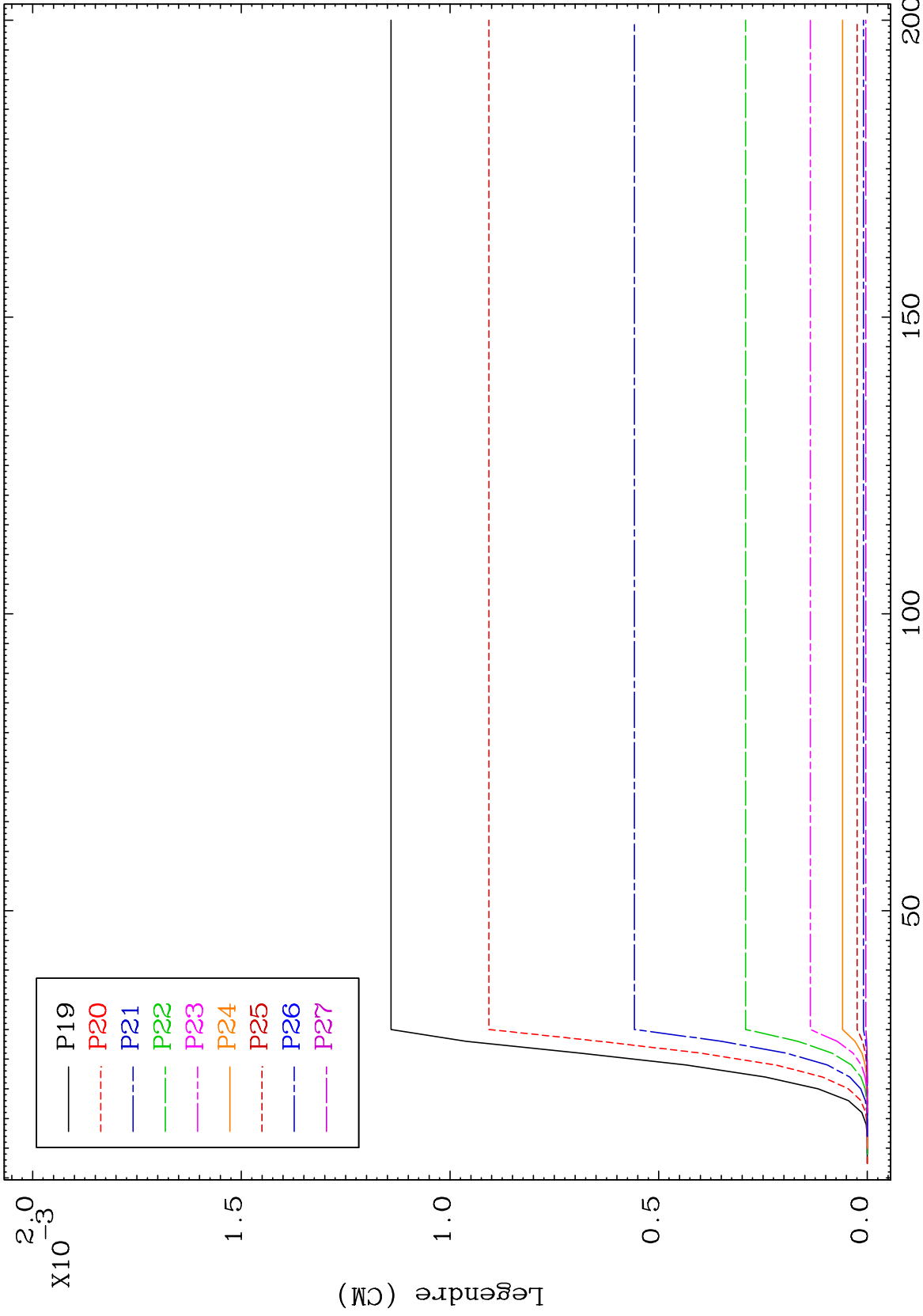
53-I -119



101

Incident Energy (MeV)

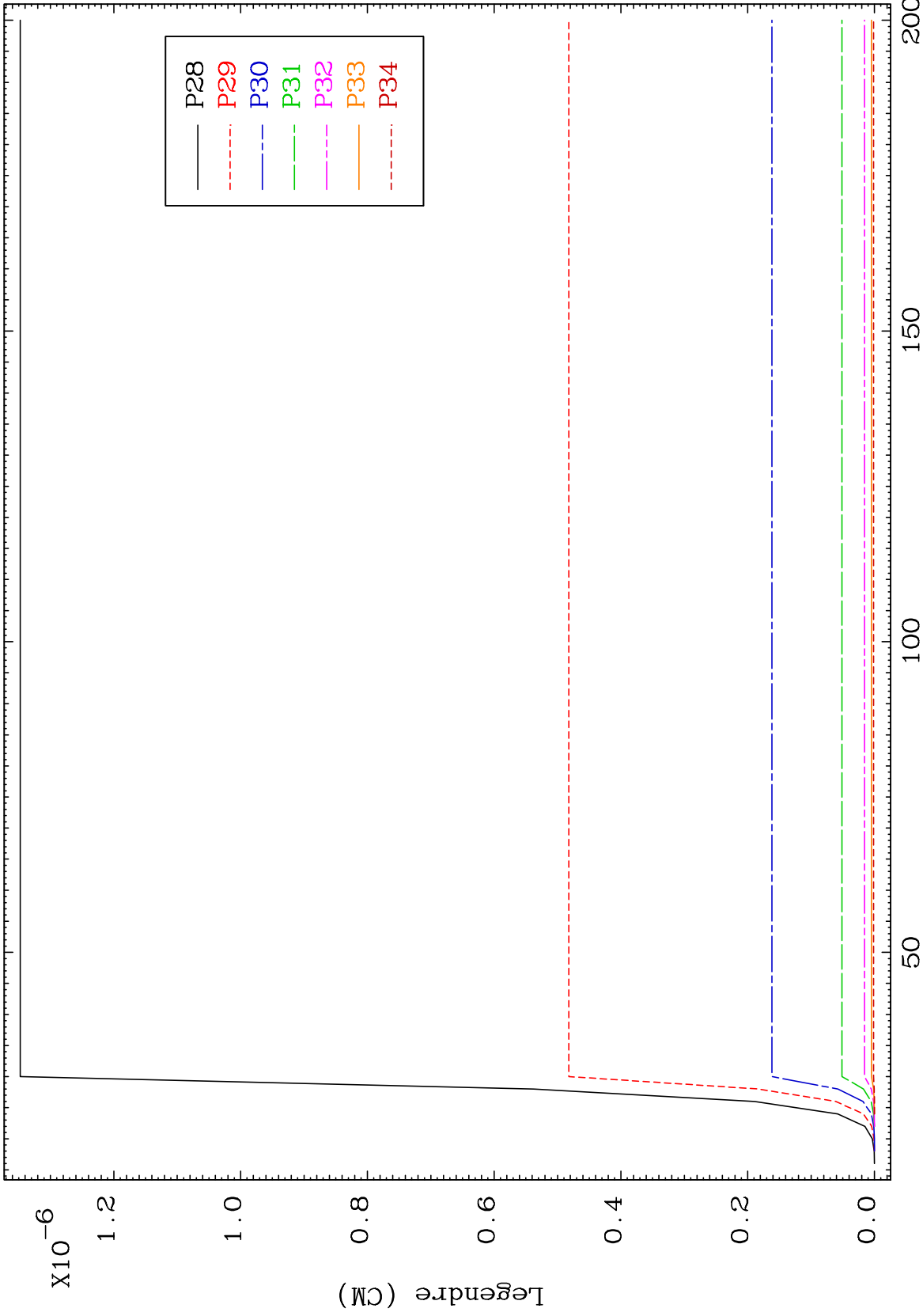
53-I -119



MAT 5301

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

53-I -119



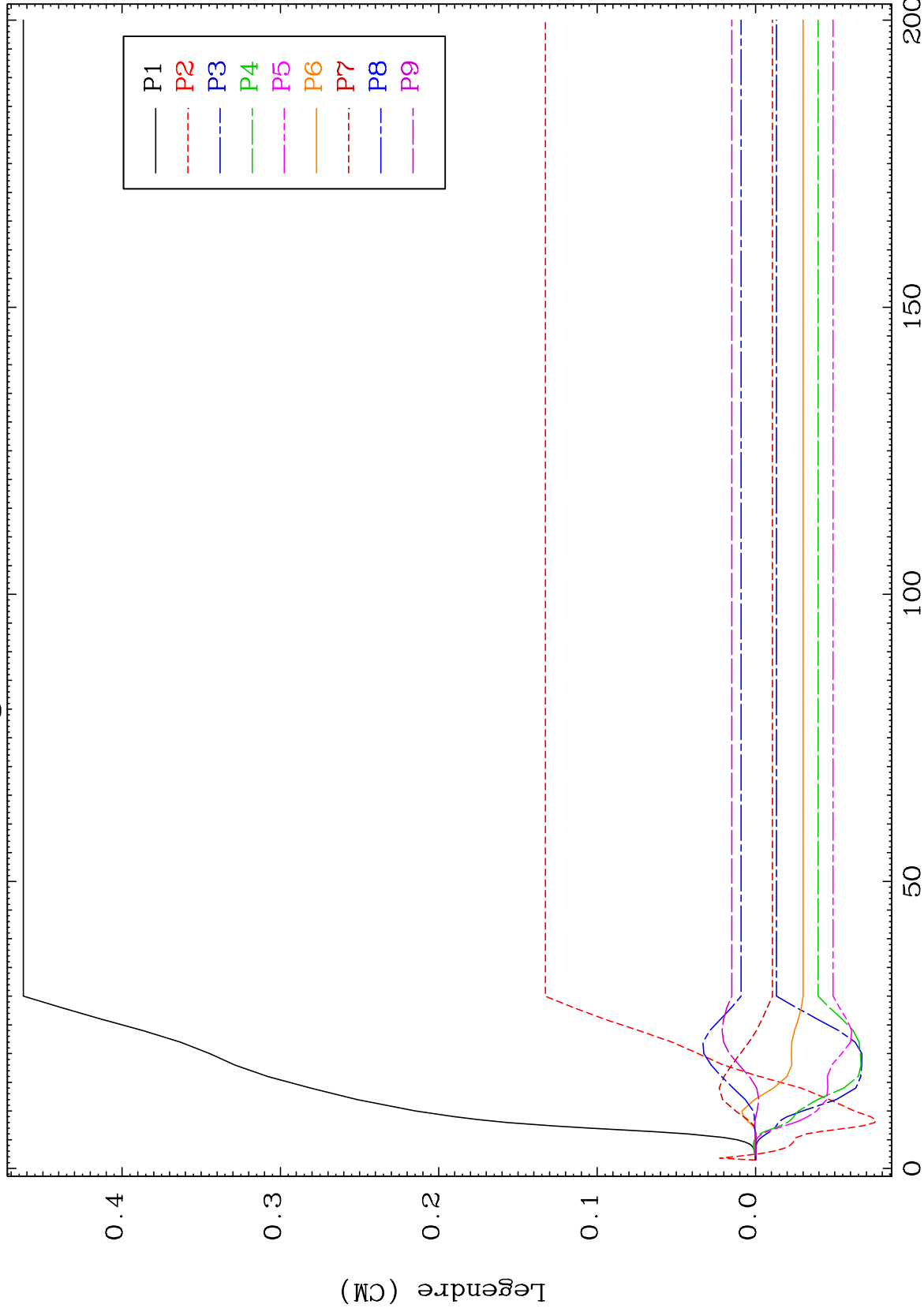
103

53-I -119

MAT 5301

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

53-I -119



104

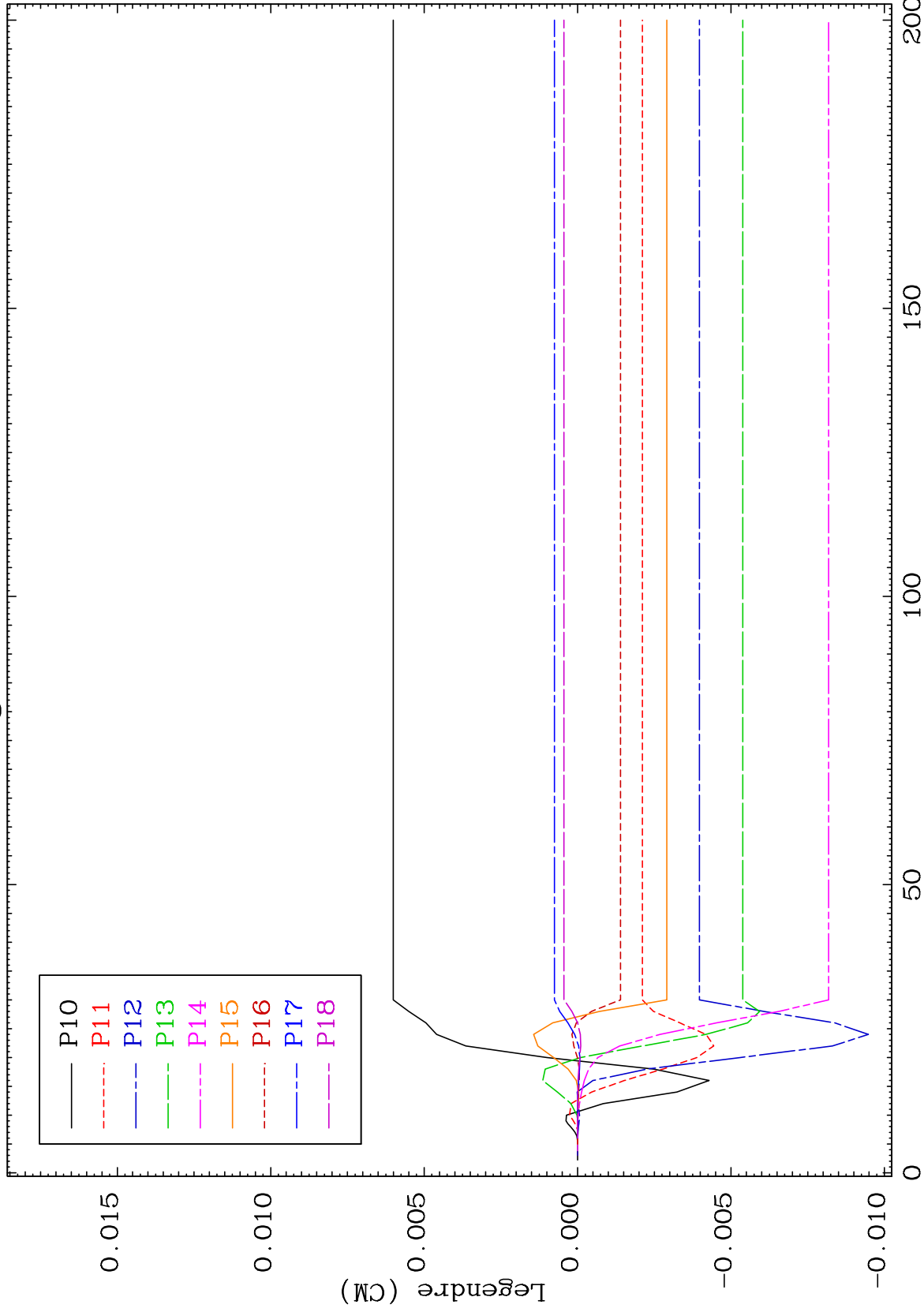
Incident Energy (MeV)

53-I -119

MAT 5301

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

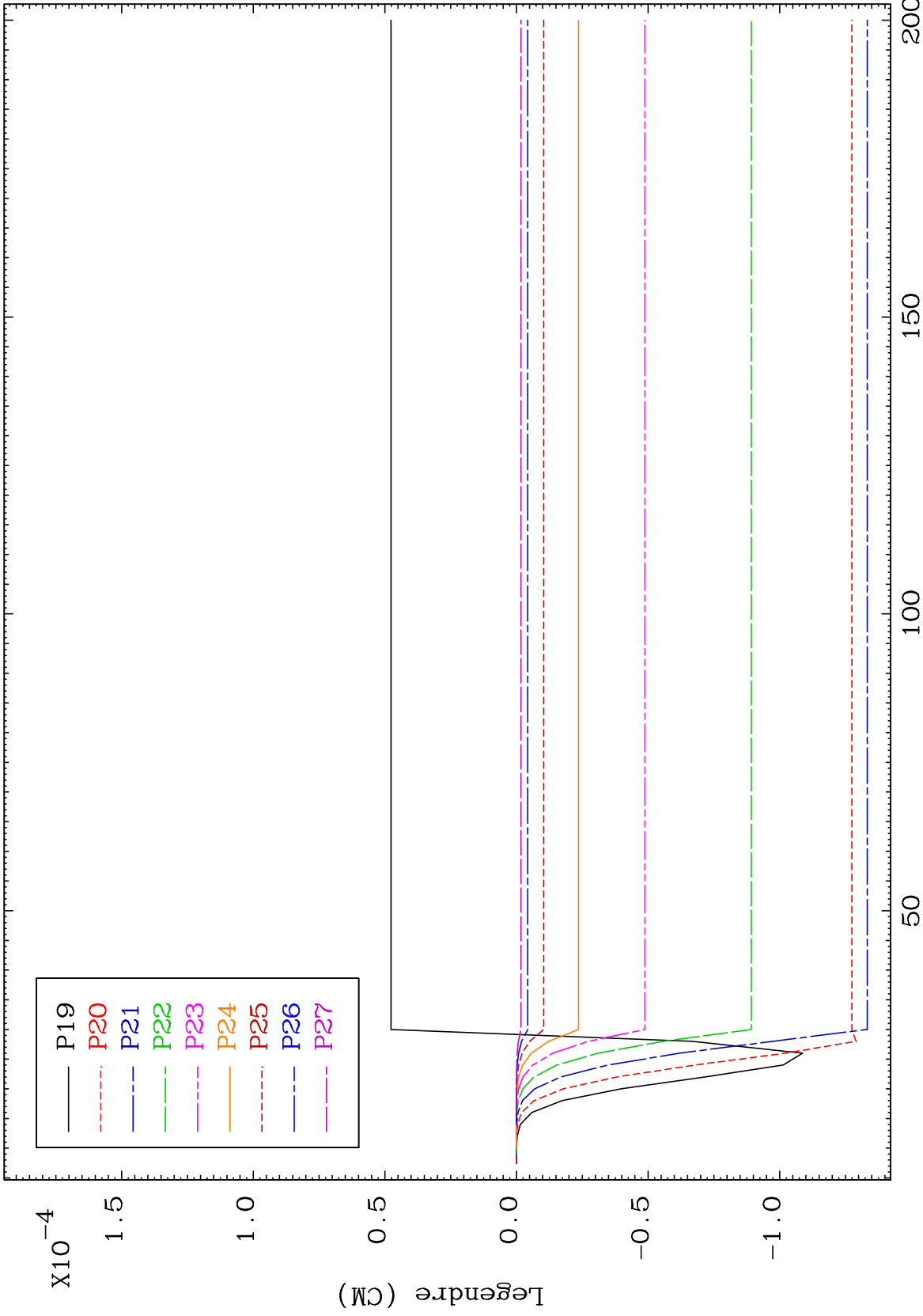
53-I -119



105

Incident Energy (MeV)

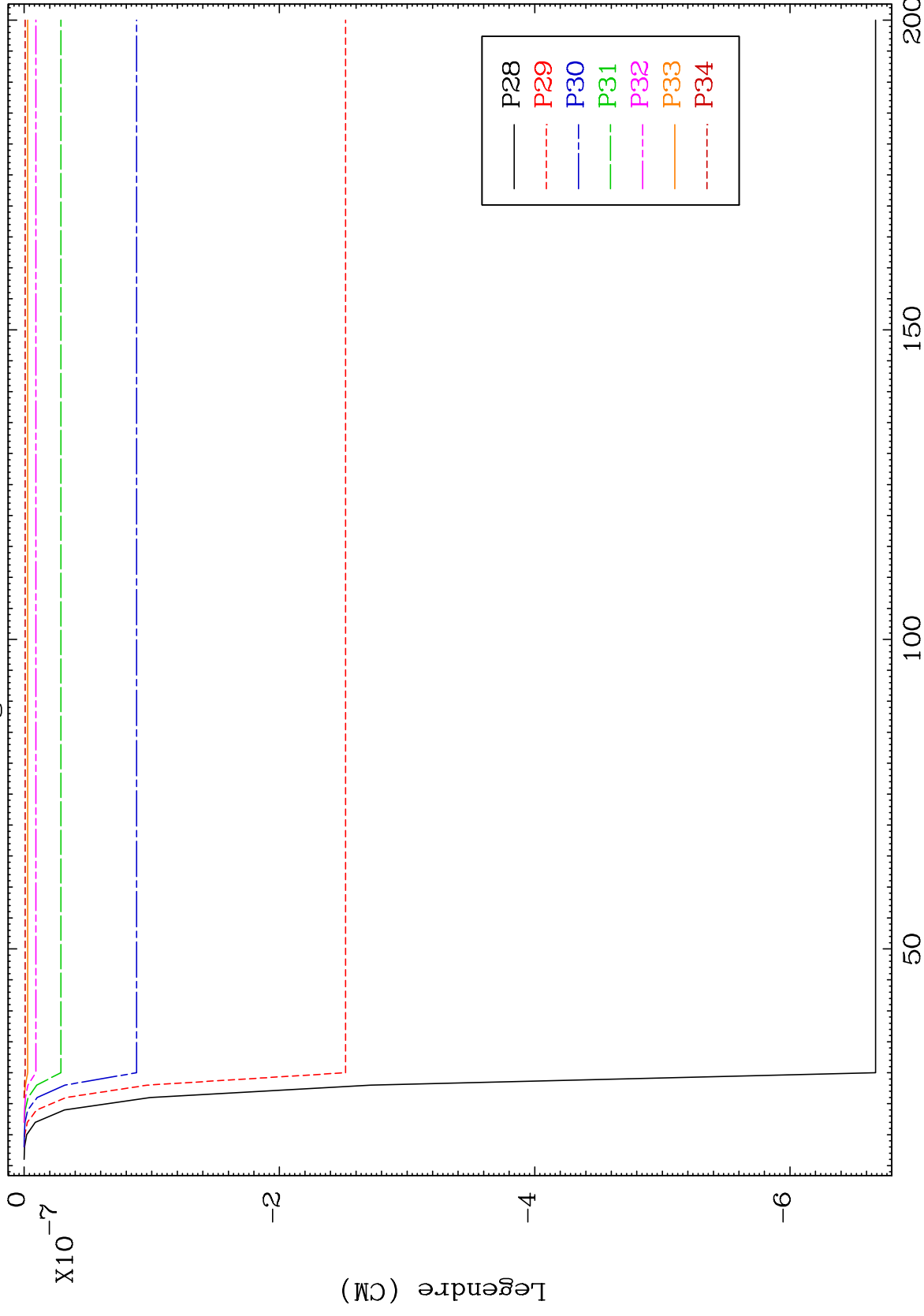
53-I -119



MAT 5301

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

53-I -119



53-I -119

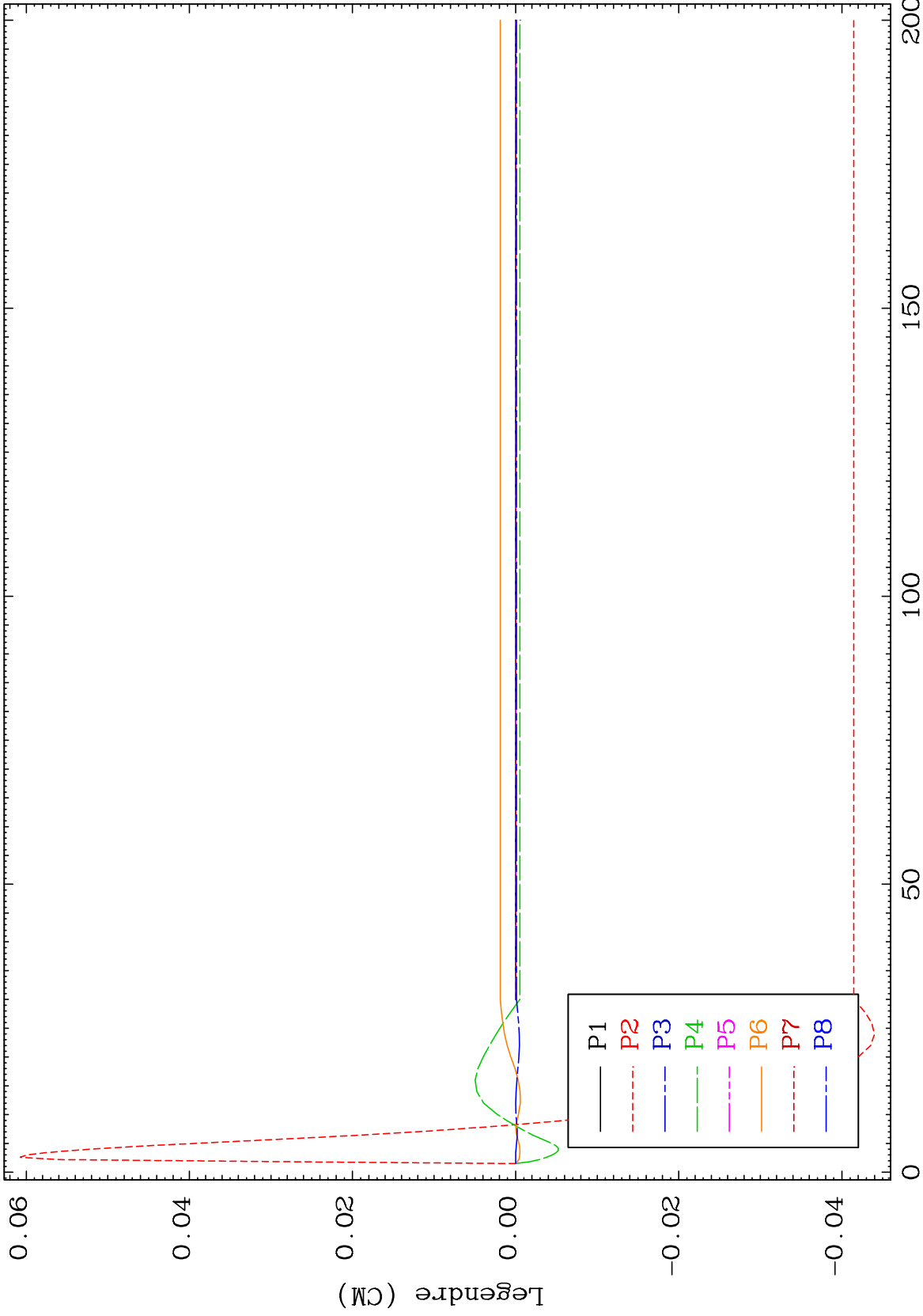
Incident Energy (MeV)

107

MAT 5301

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

53-I -119



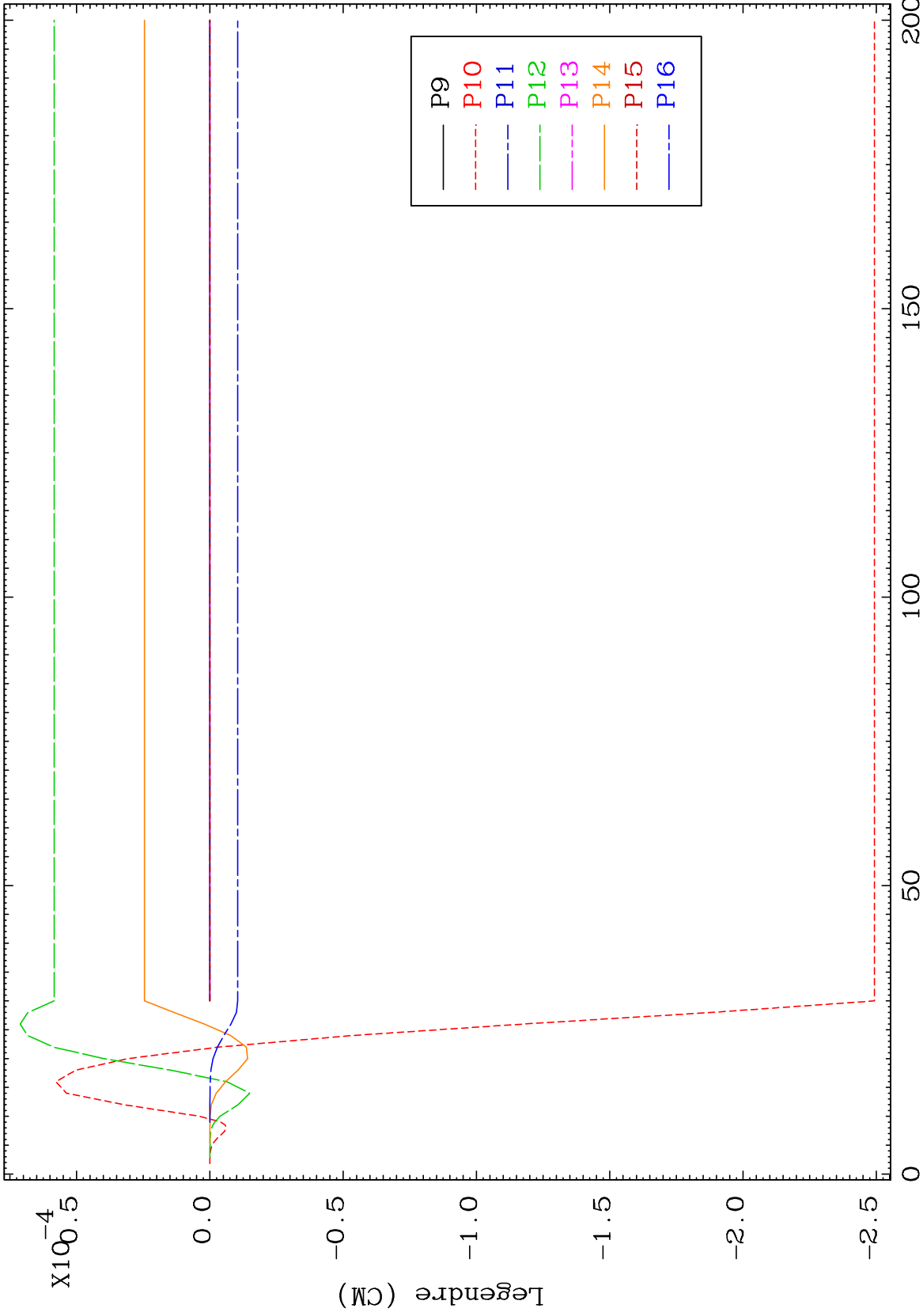
108

53-I -119

MAT 5301

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

53-I -119



109

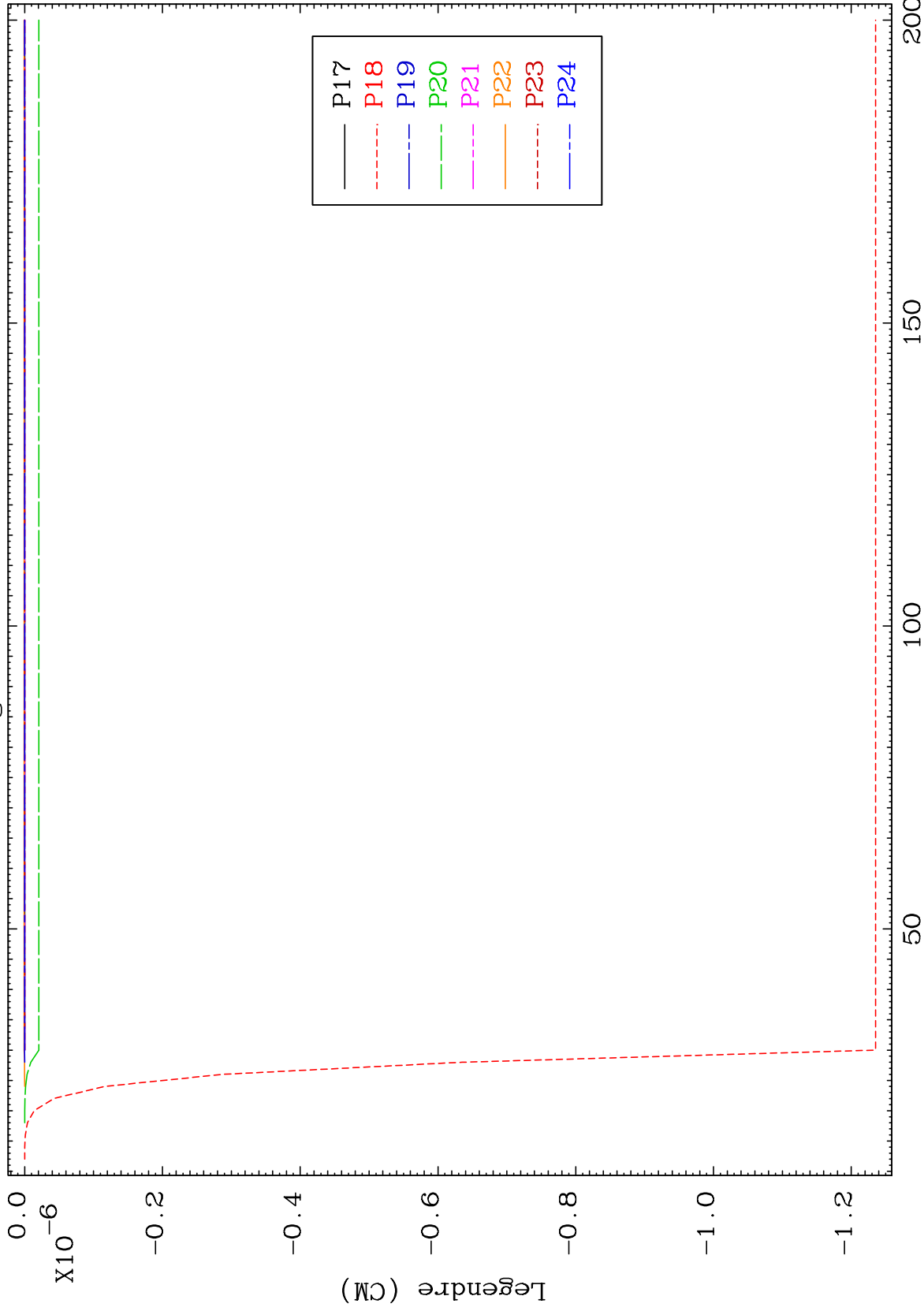
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



110

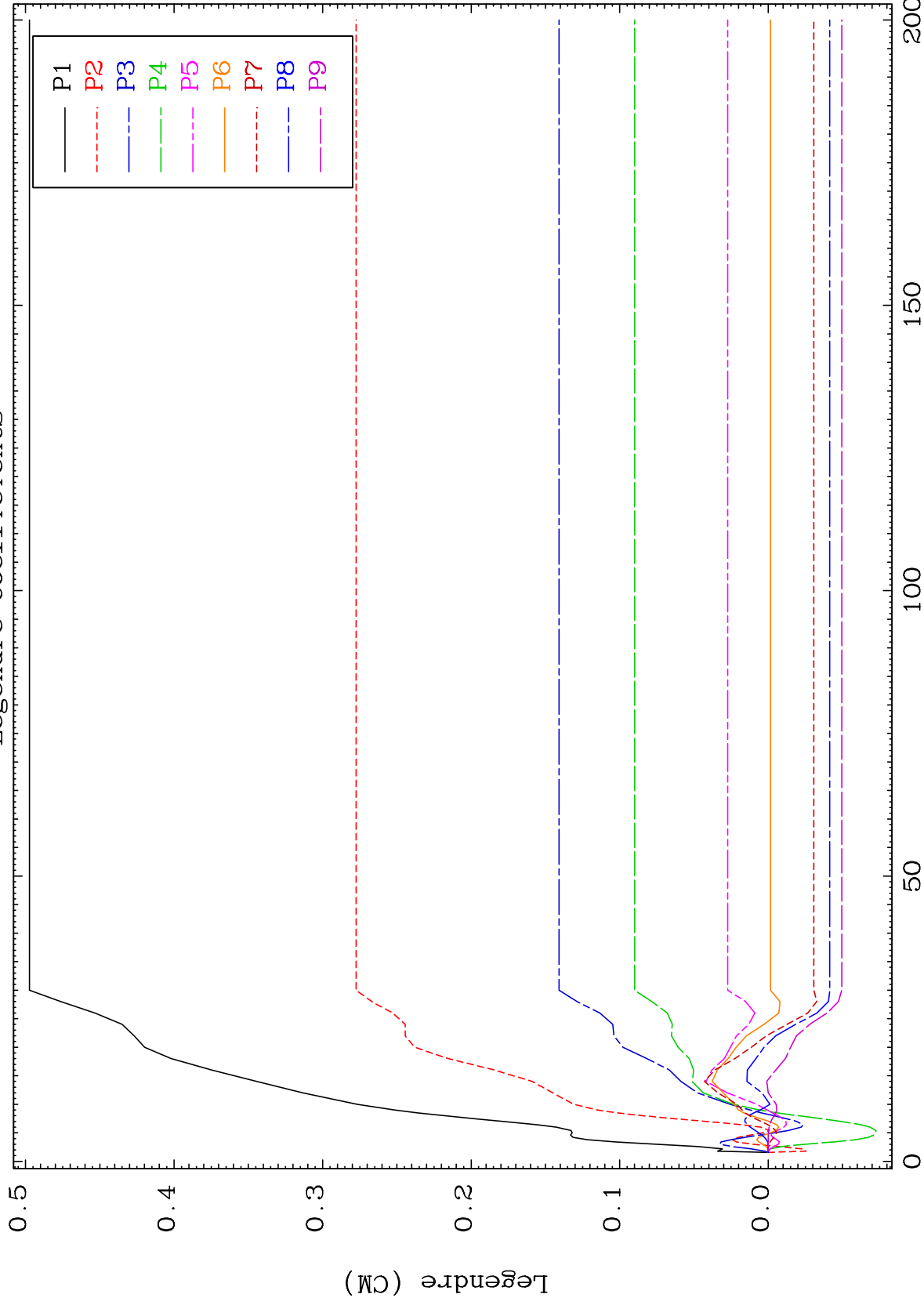
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



111

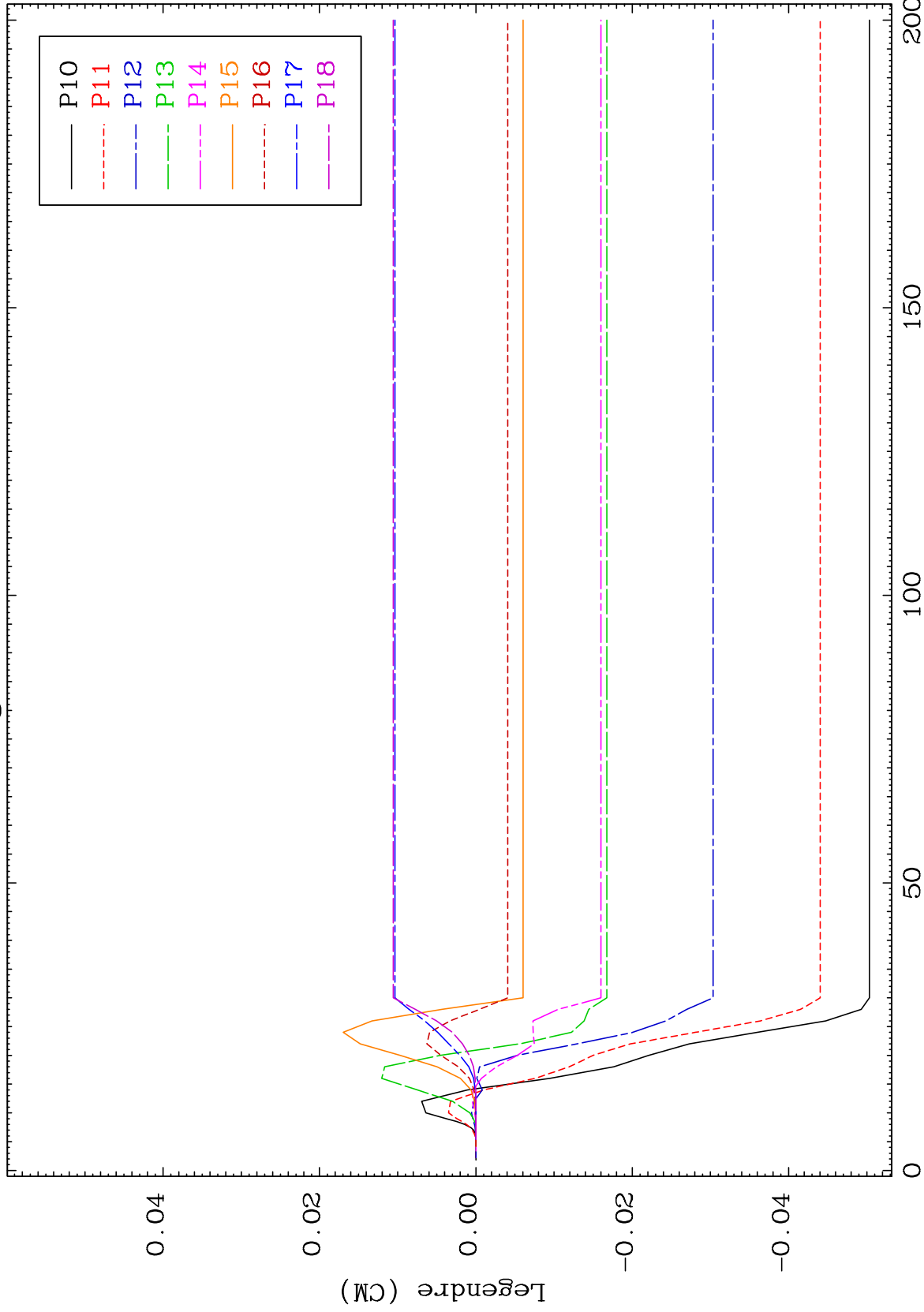
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



112

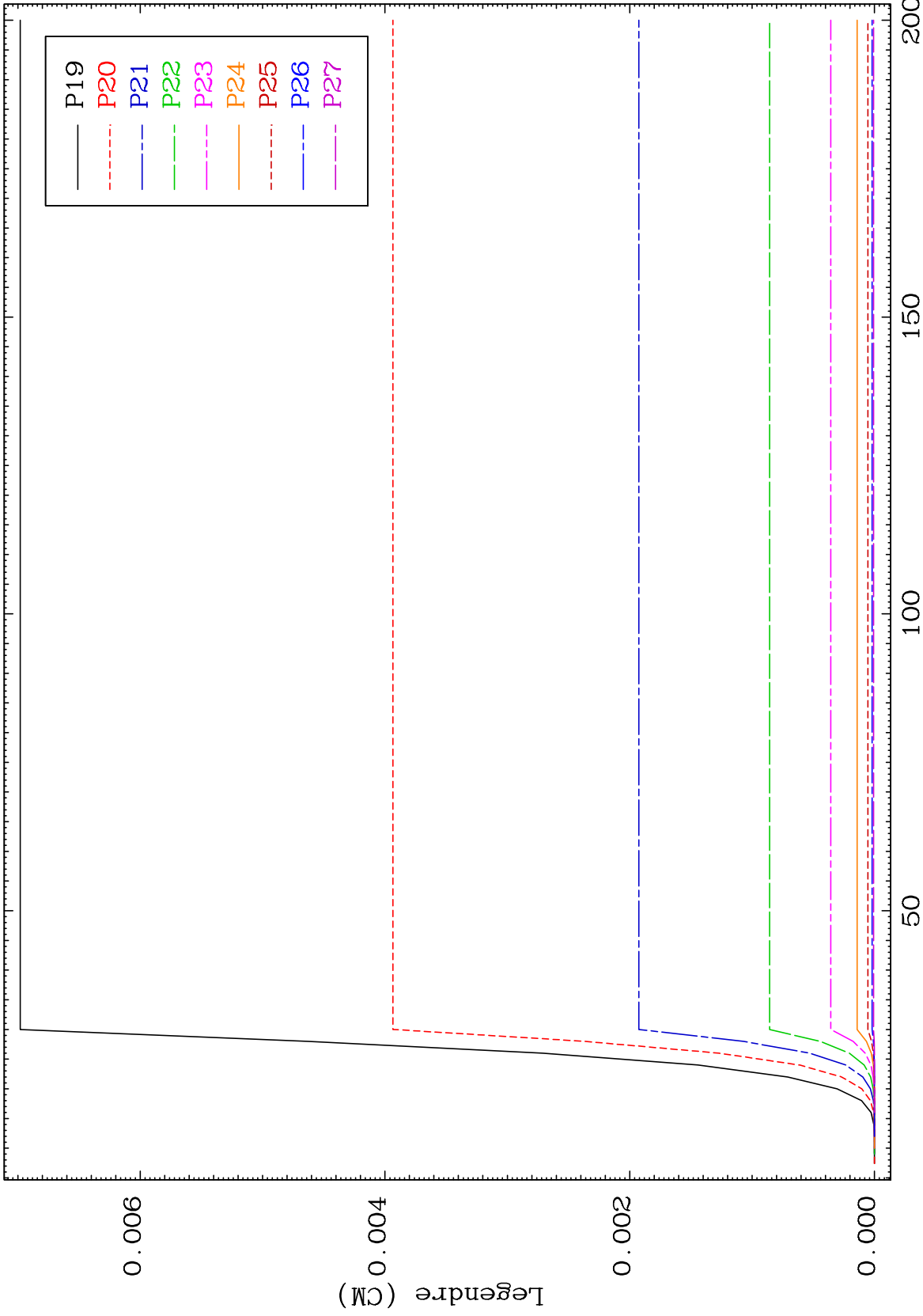
Incident Energy (MeV)

53-I -119

MAT 5301

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

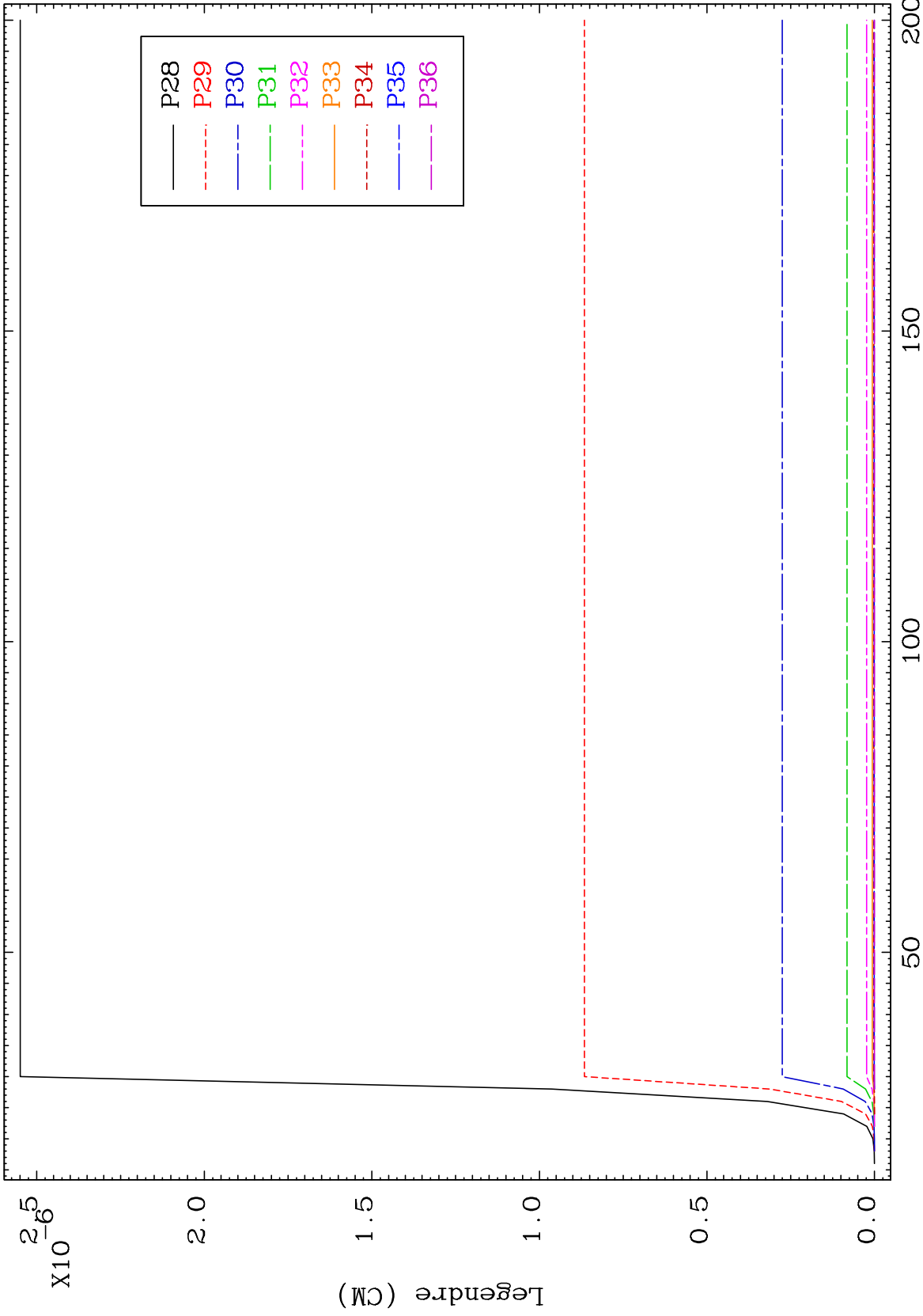
53-I -119



113

Incident Energy (MeV)

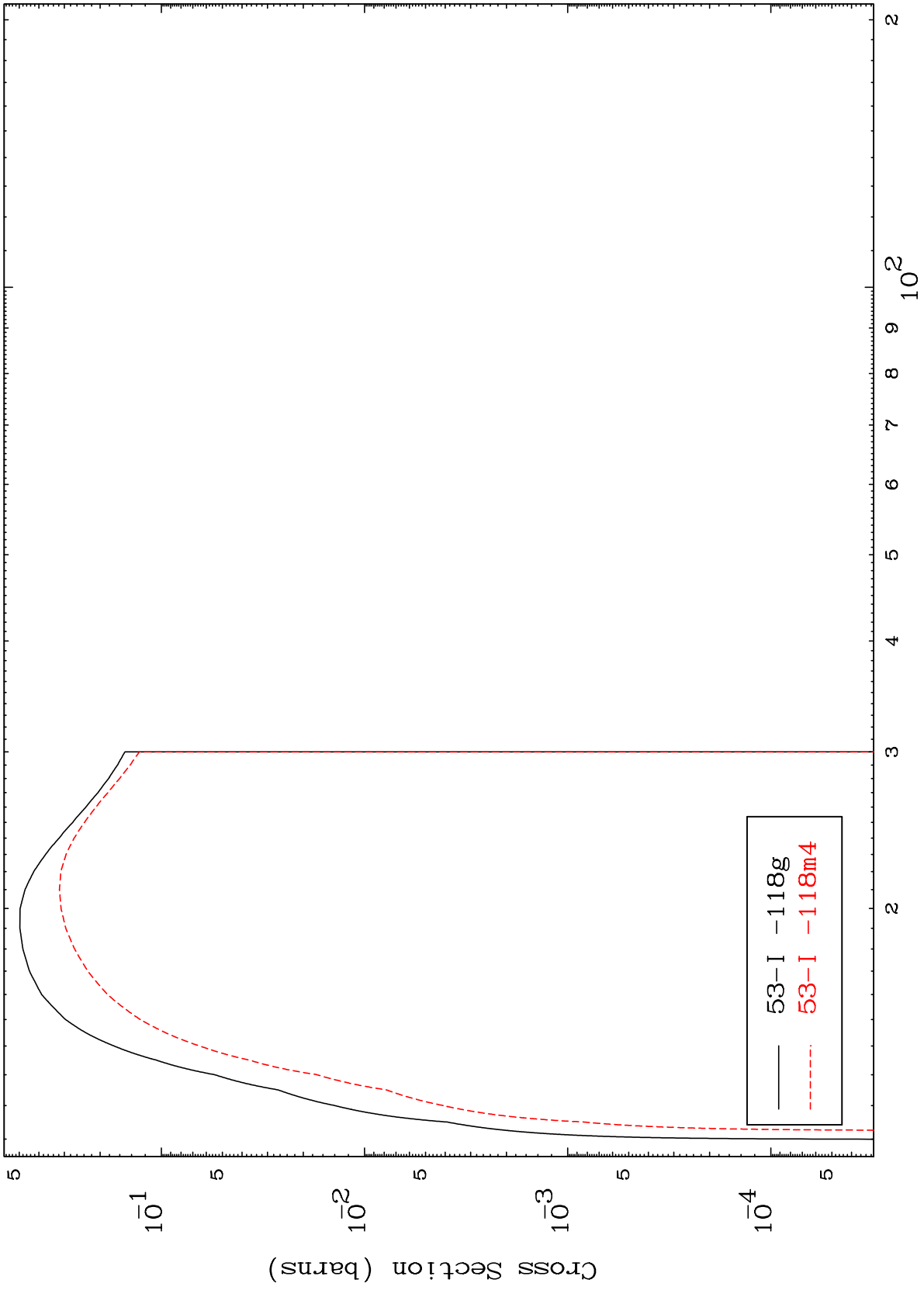
53-I -119



MAT 5301

53-I -119

(n,2n)
Radionuclide Production Cross Section



115

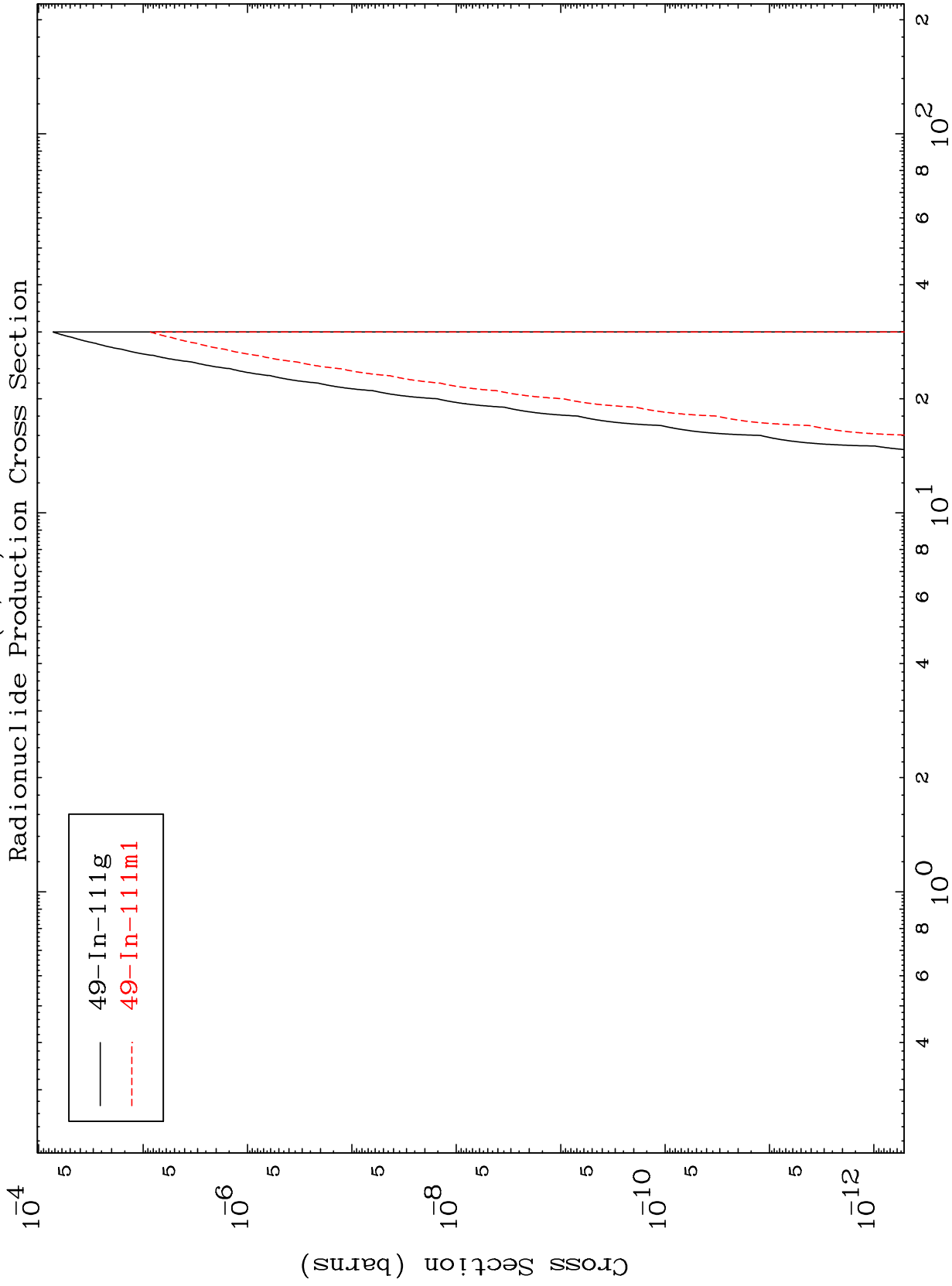
53-I -119

Incident Energy (MeV)

MAT 5301

(n,n') 2 α

53-I -119



116

Incident Energy (MeV)

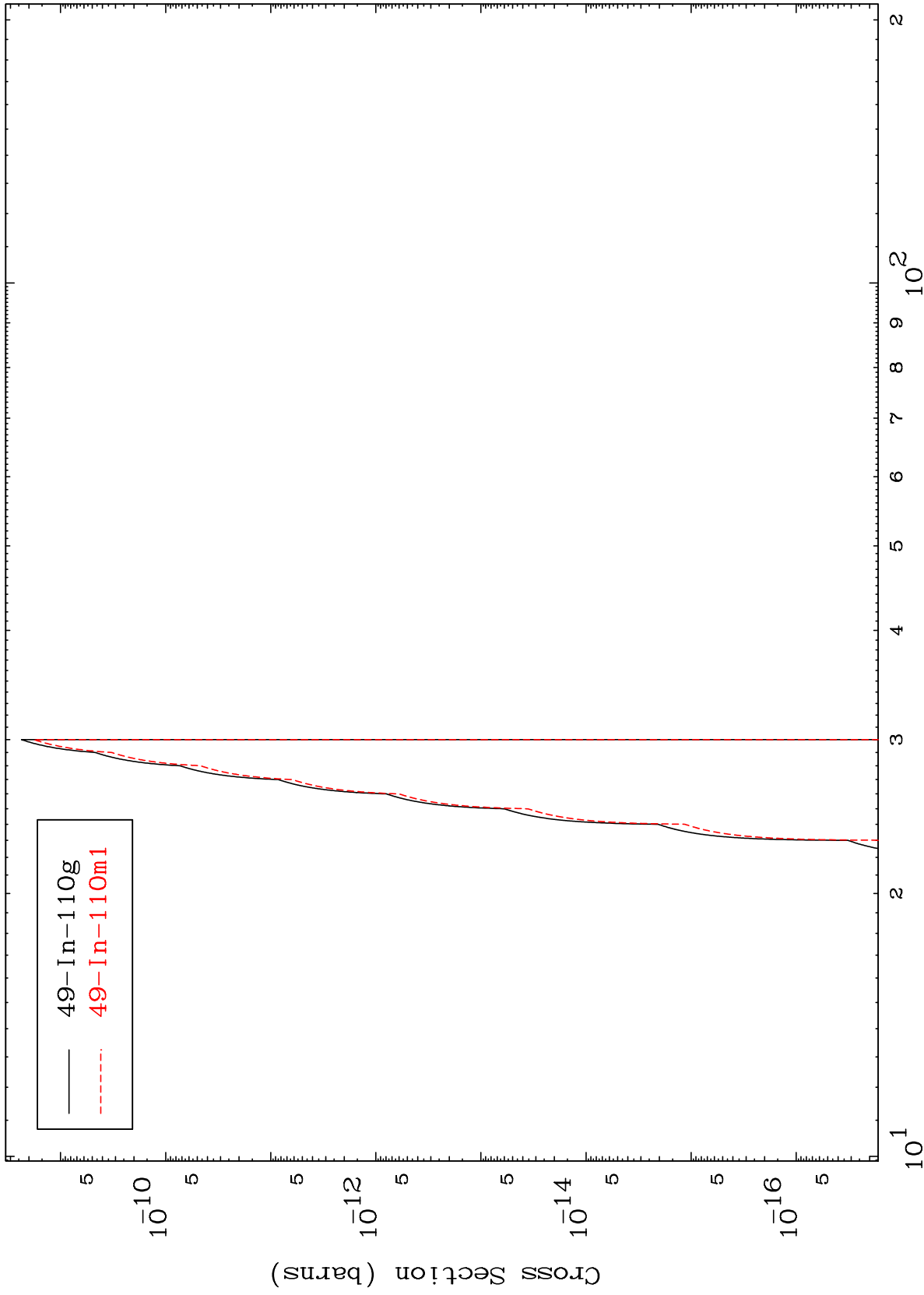
53-I -119

MAT 5301

(n,2n) 2α

53-I -119

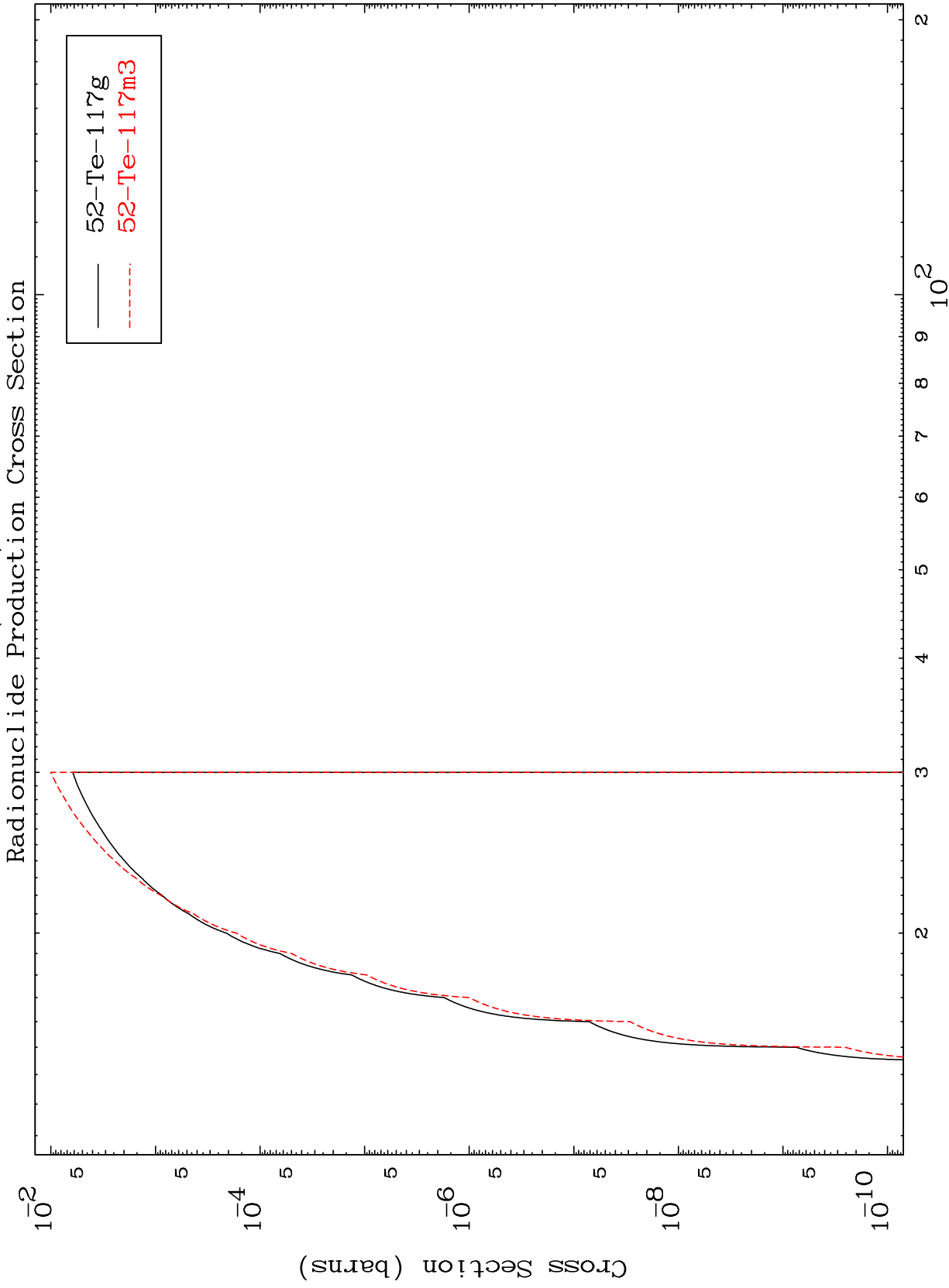
Radionuclide Production Cross Section



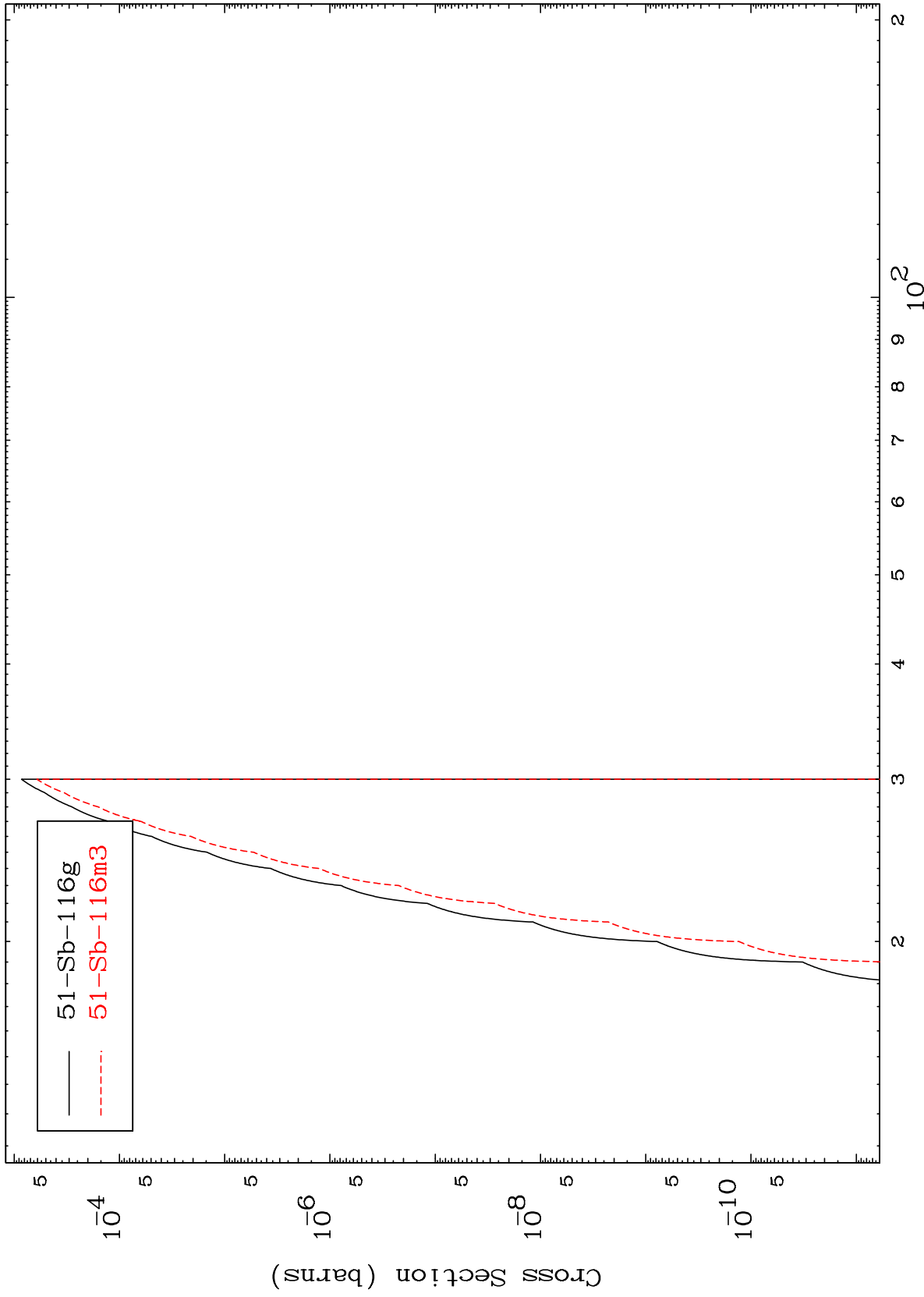
117

Incident Energy (MeV)

53-I -119



Radionuclide Production Cross Section

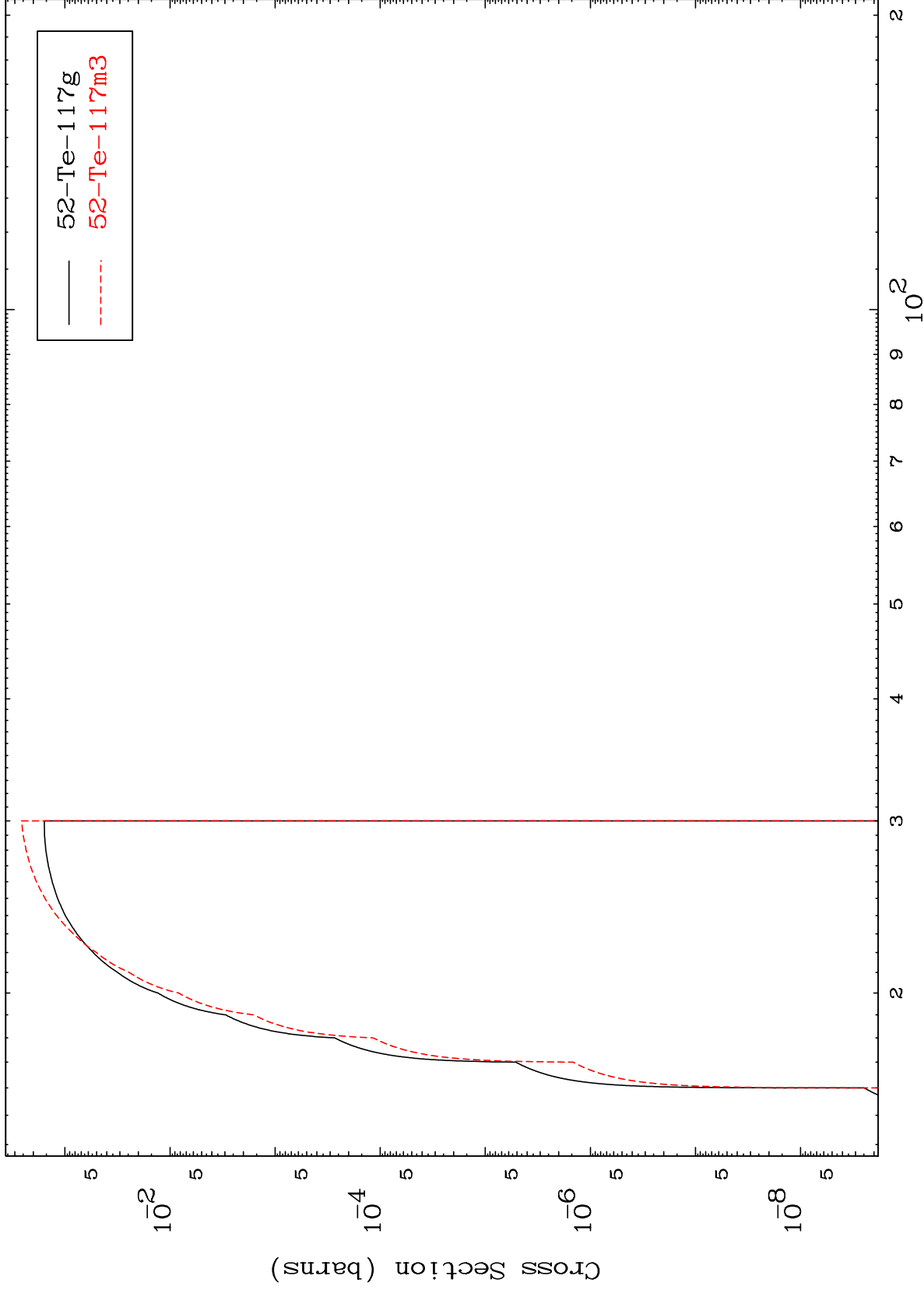


MAT 5301

(n,2n) p

53-I -119

Radionuclide Production Cross Section



120

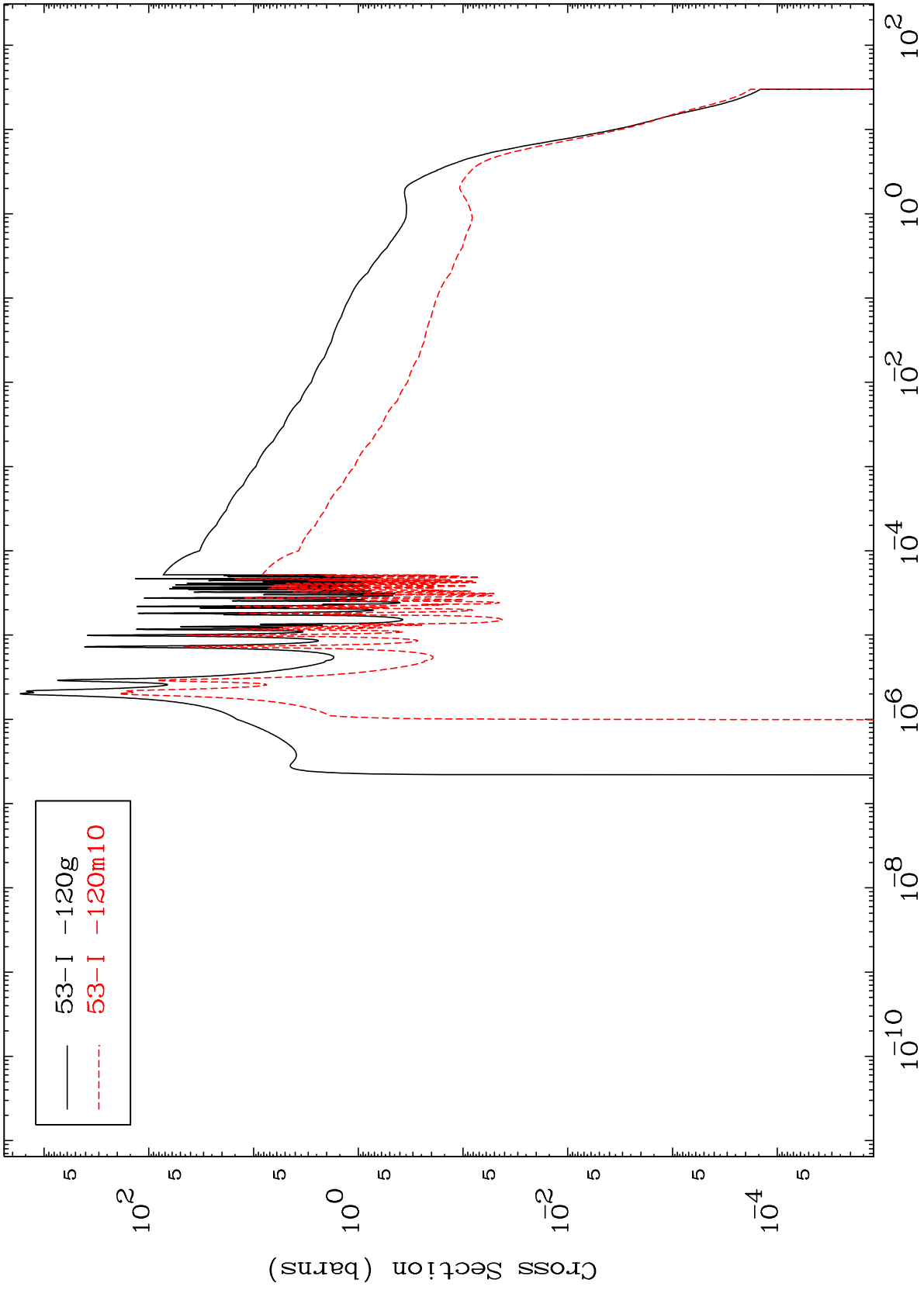
Incident Energy (MeV)

53-I -119

MAT 5301

53-I -119

Radionuclide Production Cross Section (n,γ)



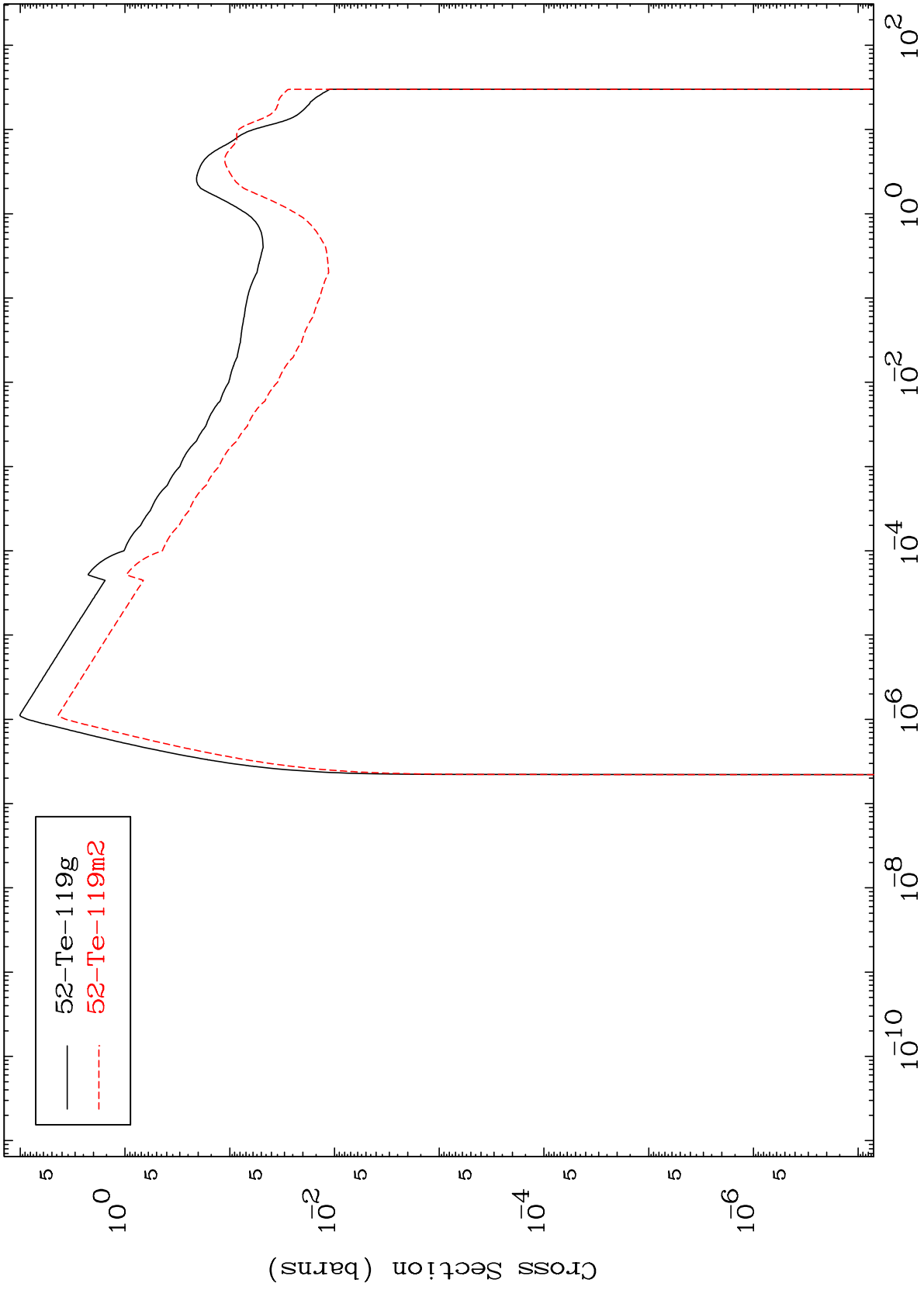
121

53-I -119

MAT 5301

53-I -119

Radionuclide Production Cross Section (n,p)



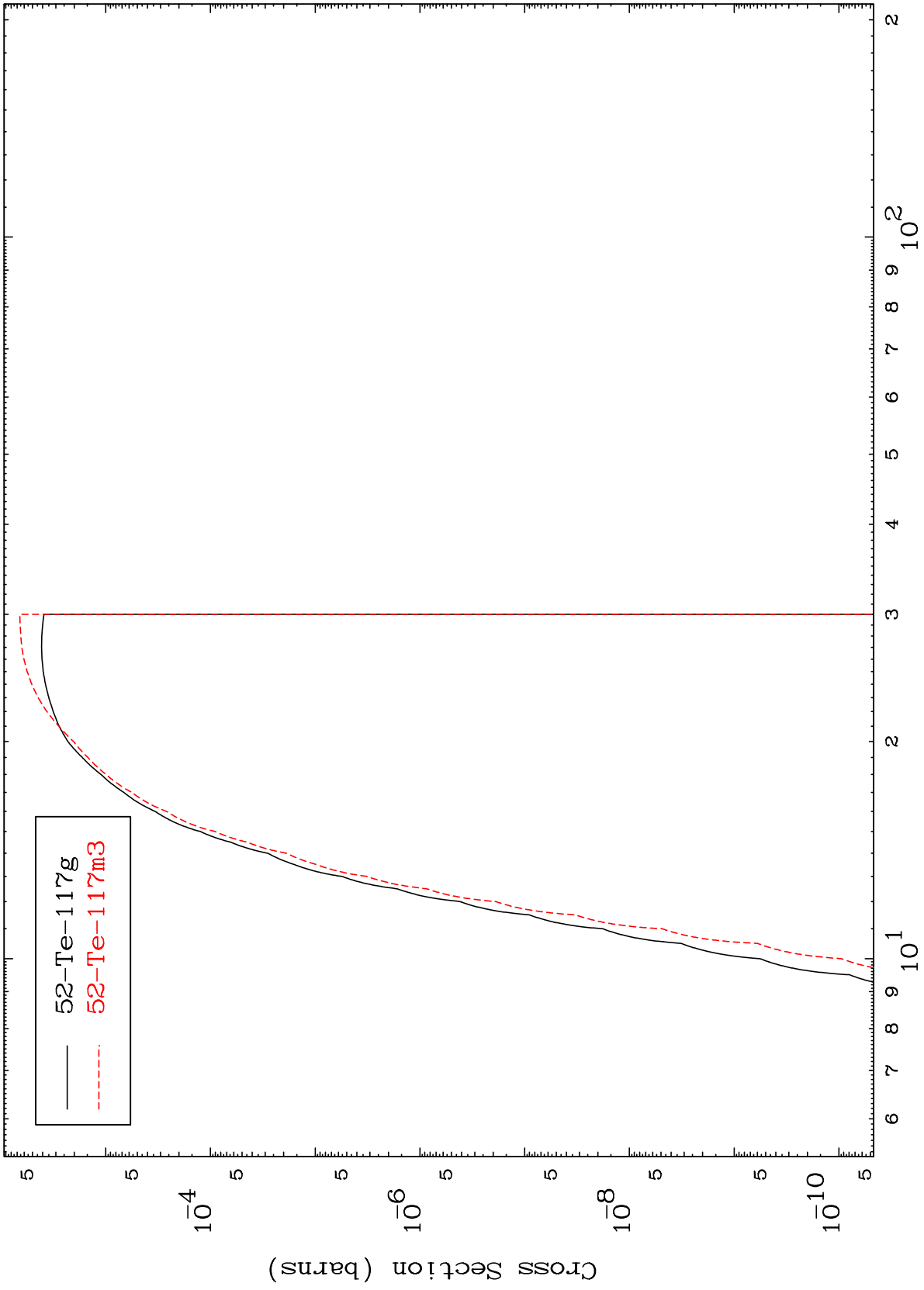
122

53-I -119

MAT 5301

53-I -119

Radionuclide Production Cross Section
(n, t)



123

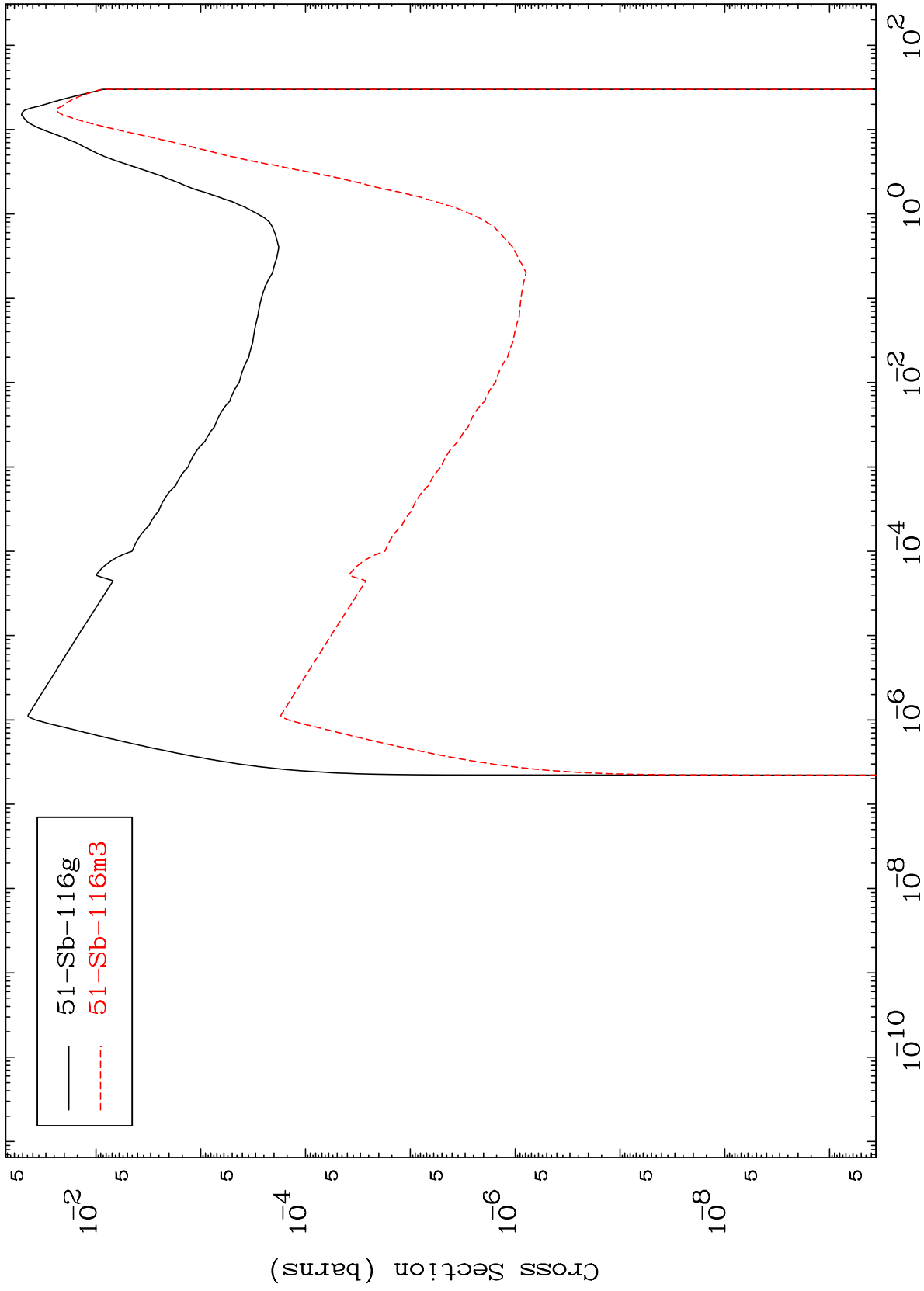
53-I -119

MAT 5301

(n,α)

53-I -119

Radionuclide Production Cross Section



51-Sb-116g
51-Sb-116m3

124

Incident Energy (MeV)

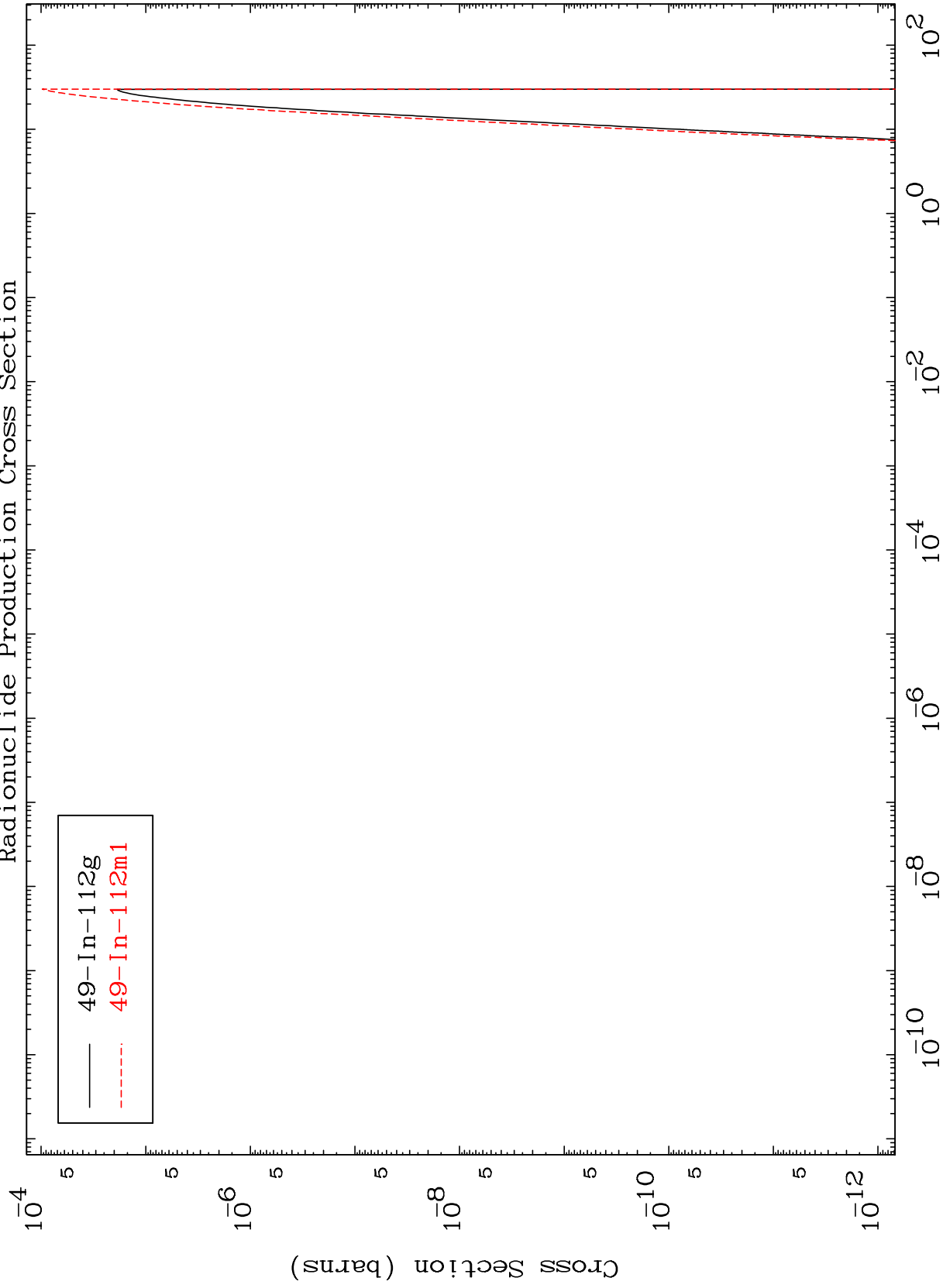
53-I -119

MAT 5301

(n,2α)

53-I -119

Radionuclide Production Cross Section



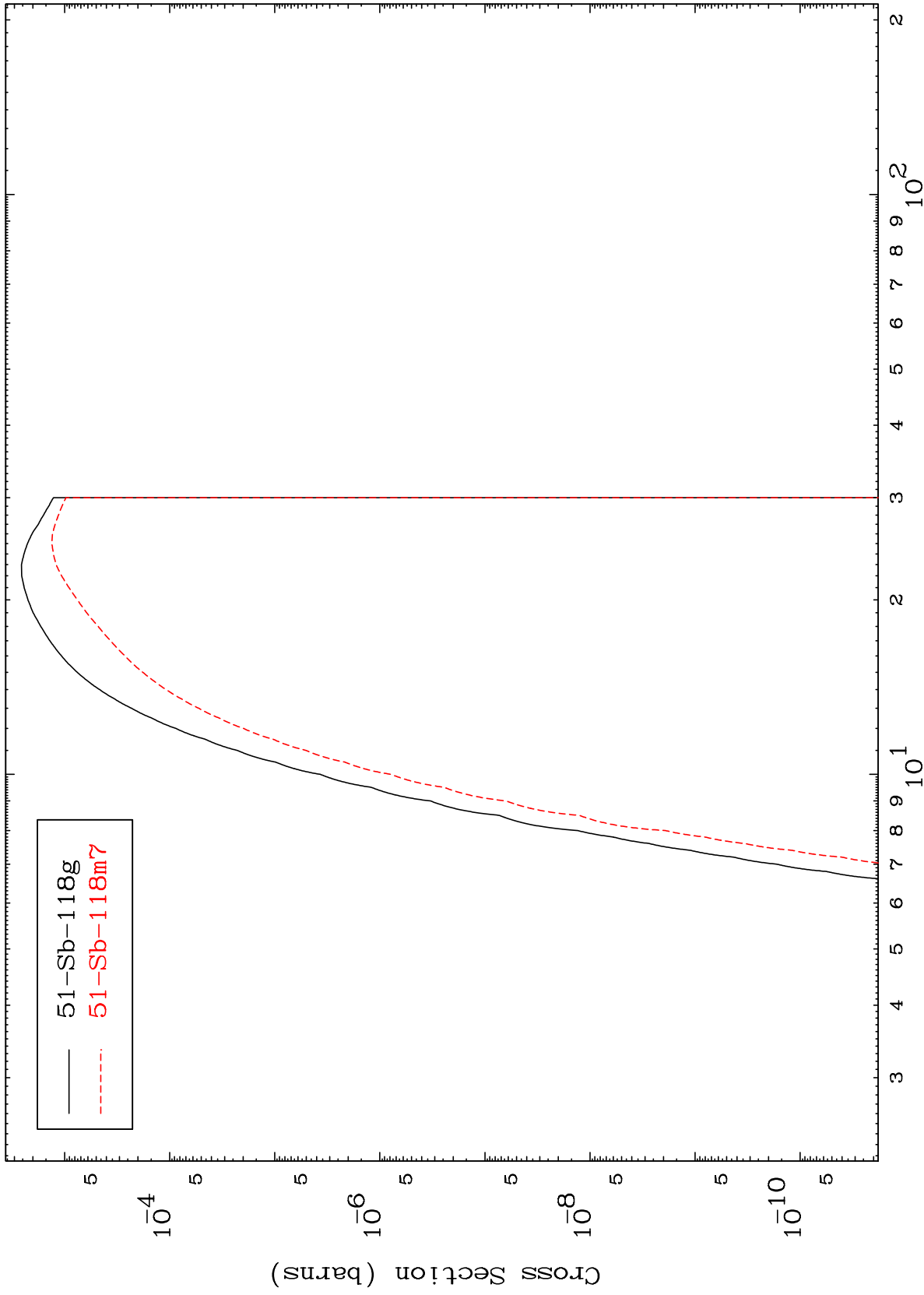
— 49-In-112g
- - - 49-In-112m1

125

Incident Energy (MeV)

53-I -119

Radionuclide Production Cross Section
(n,2p)

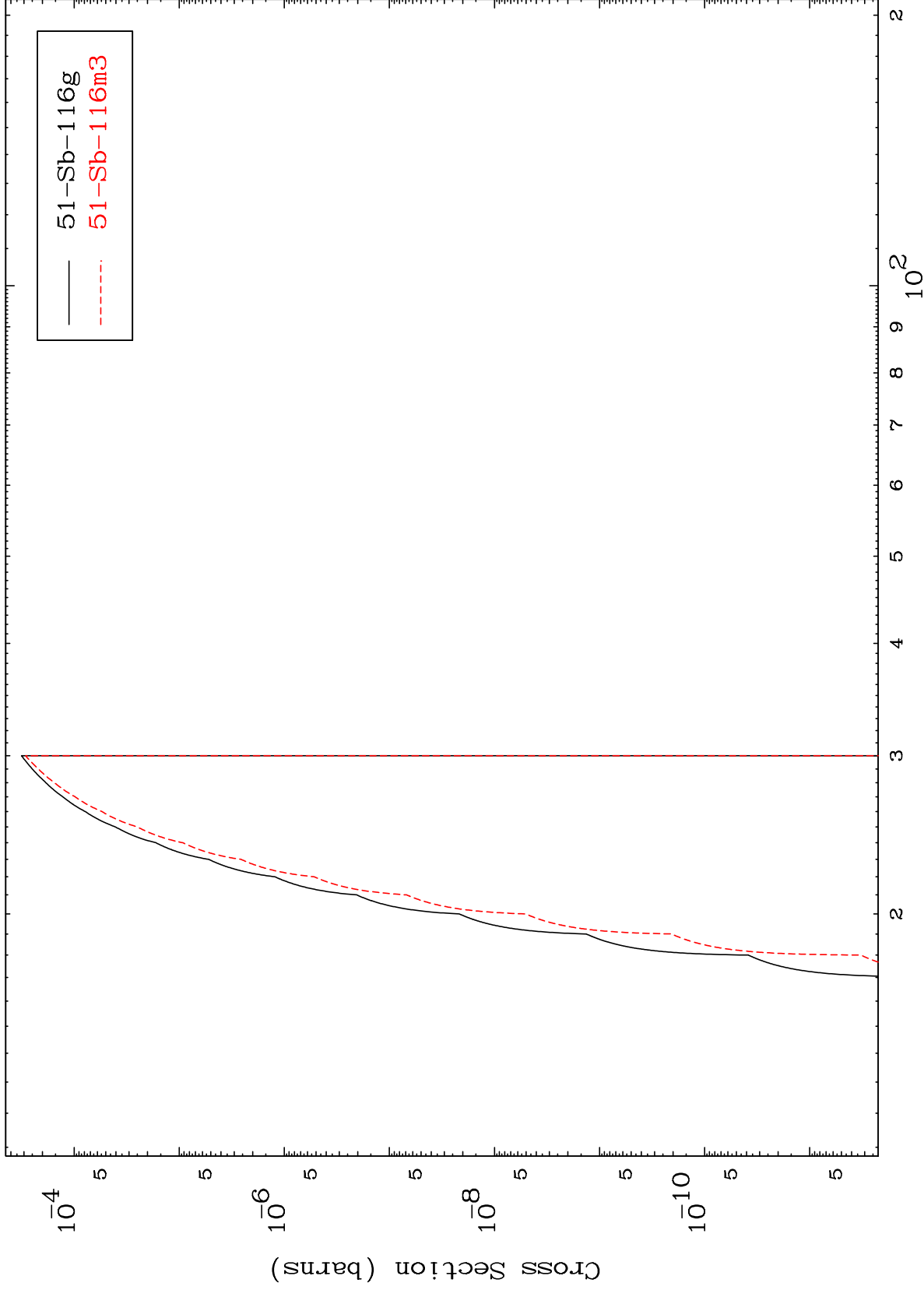


MAT 5301

(n,p) t

53-I -119

Radionuclide Production Cross Section



127

Incident Energy (MeV)

53-I -119