

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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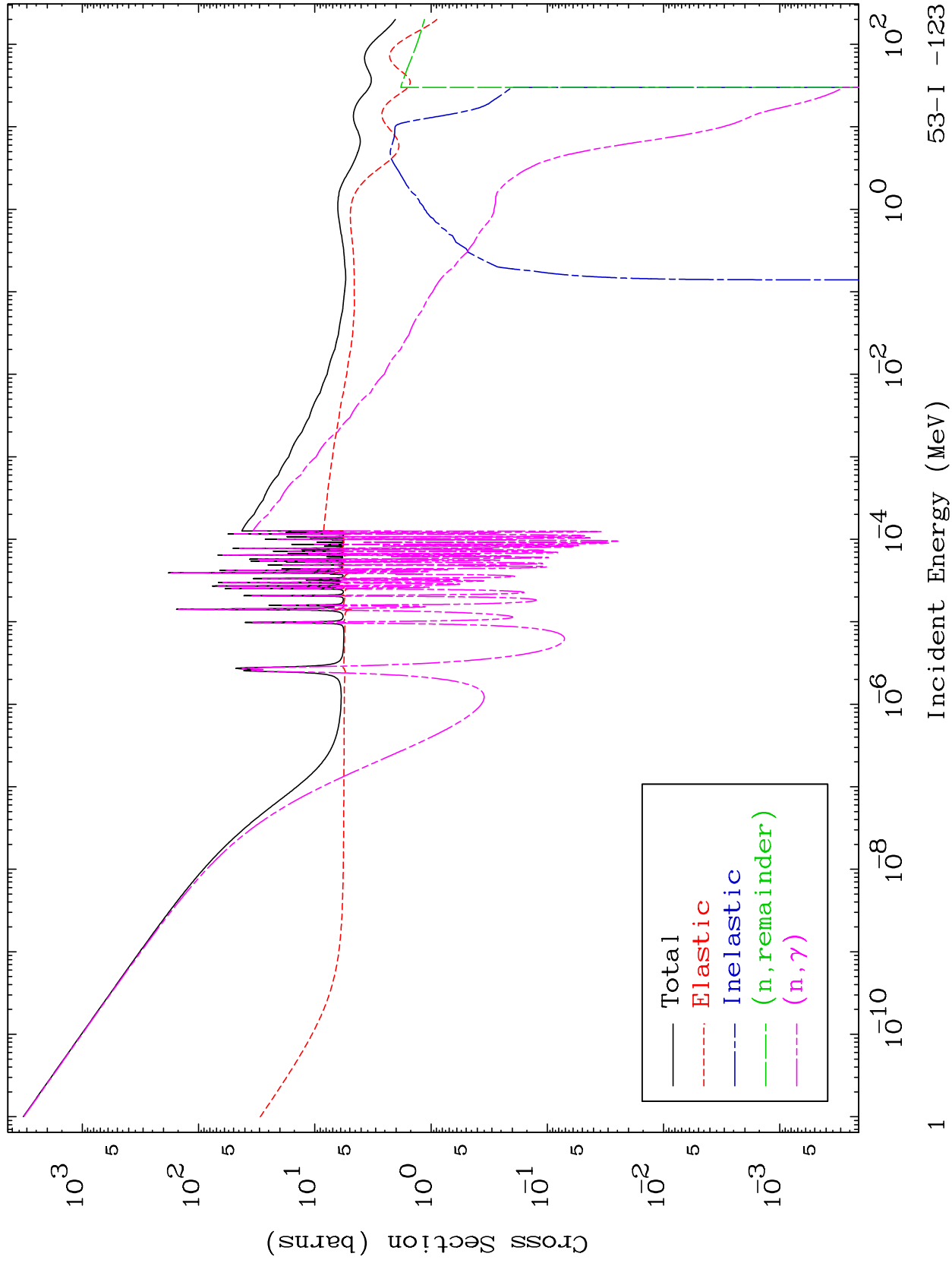
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5313

Major
293 Kelvin Cross Sections

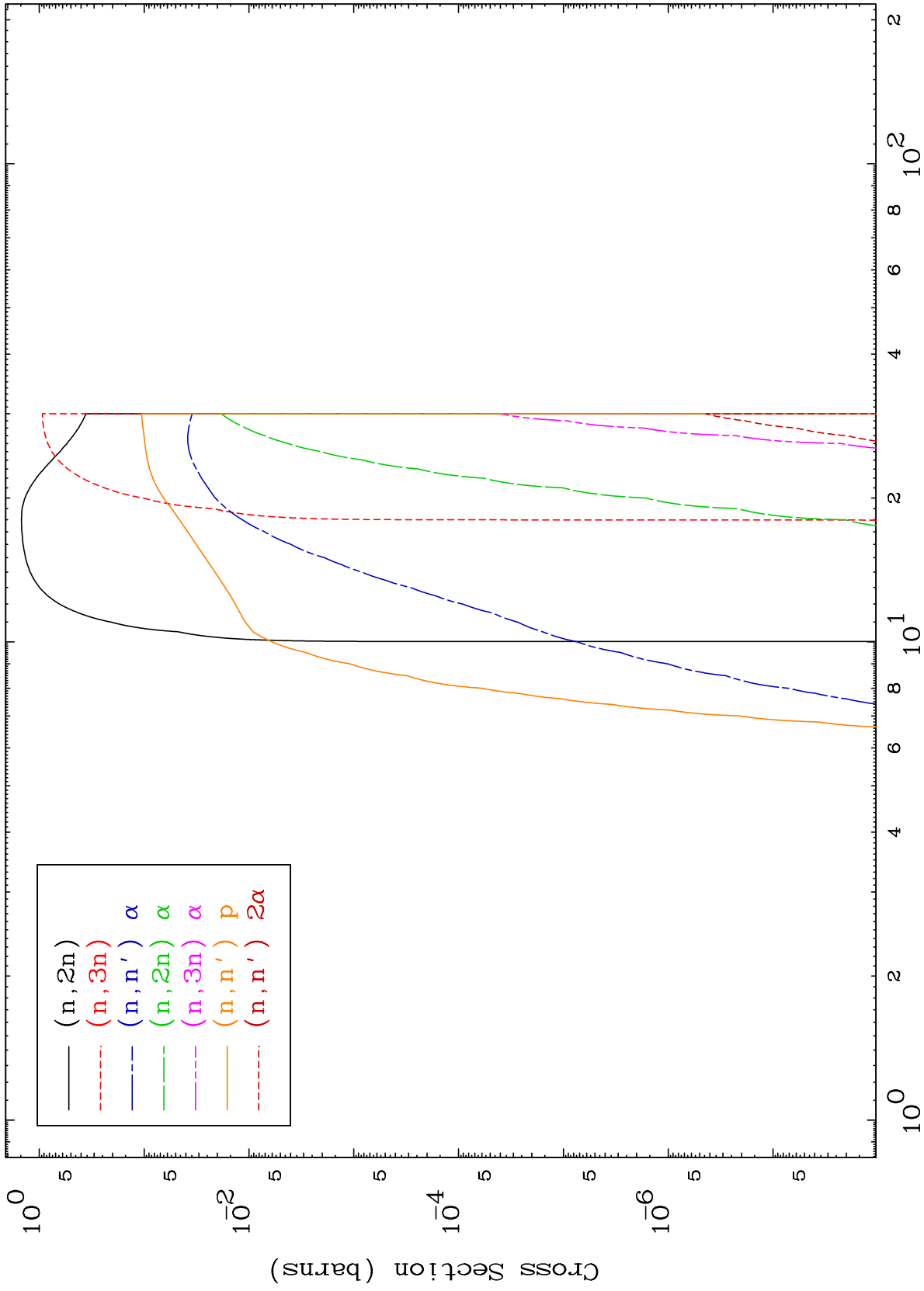
53-I -123



MAT 5313

Neutron Production
293 Kelvin Cross Sections

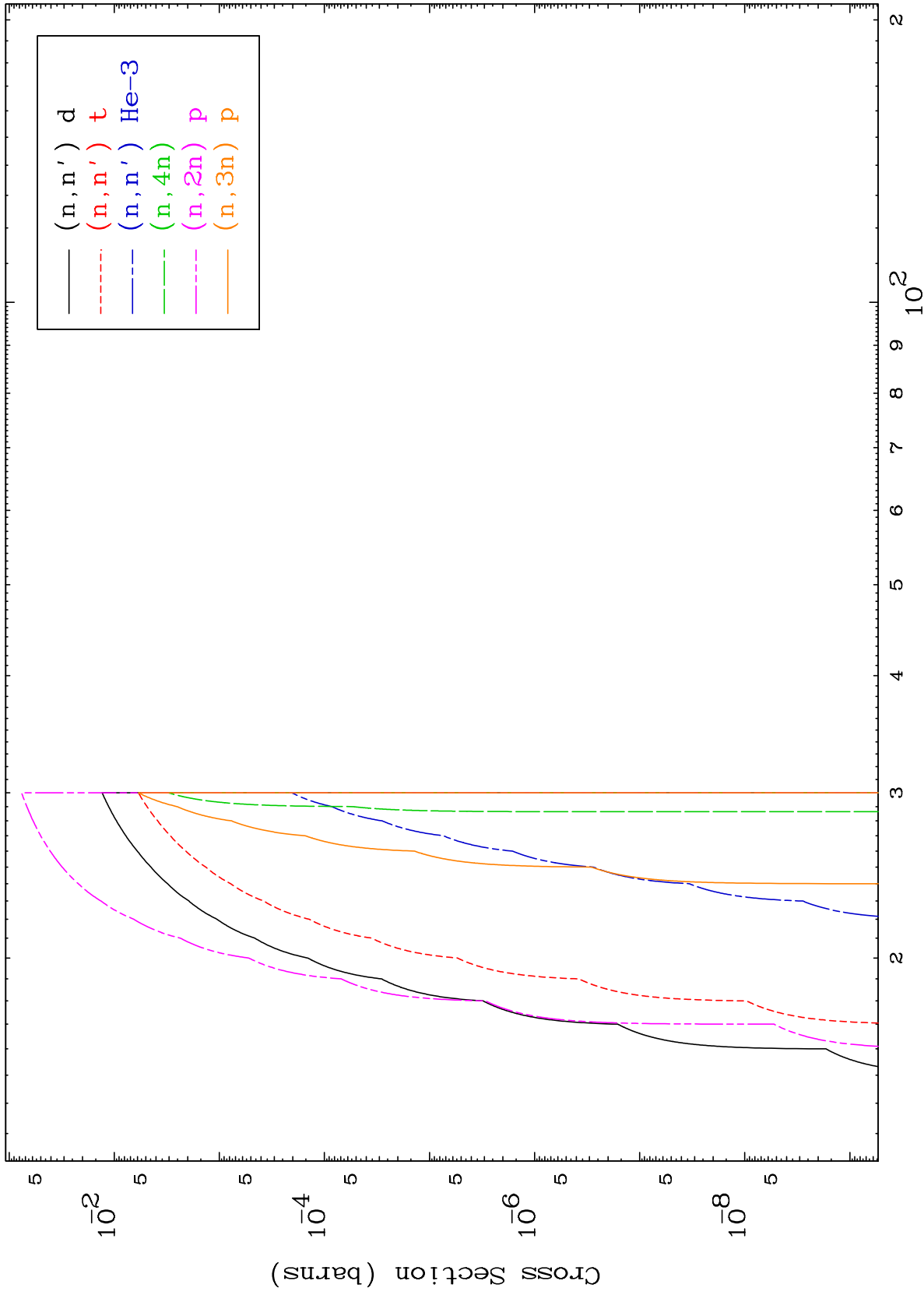
53-I -123

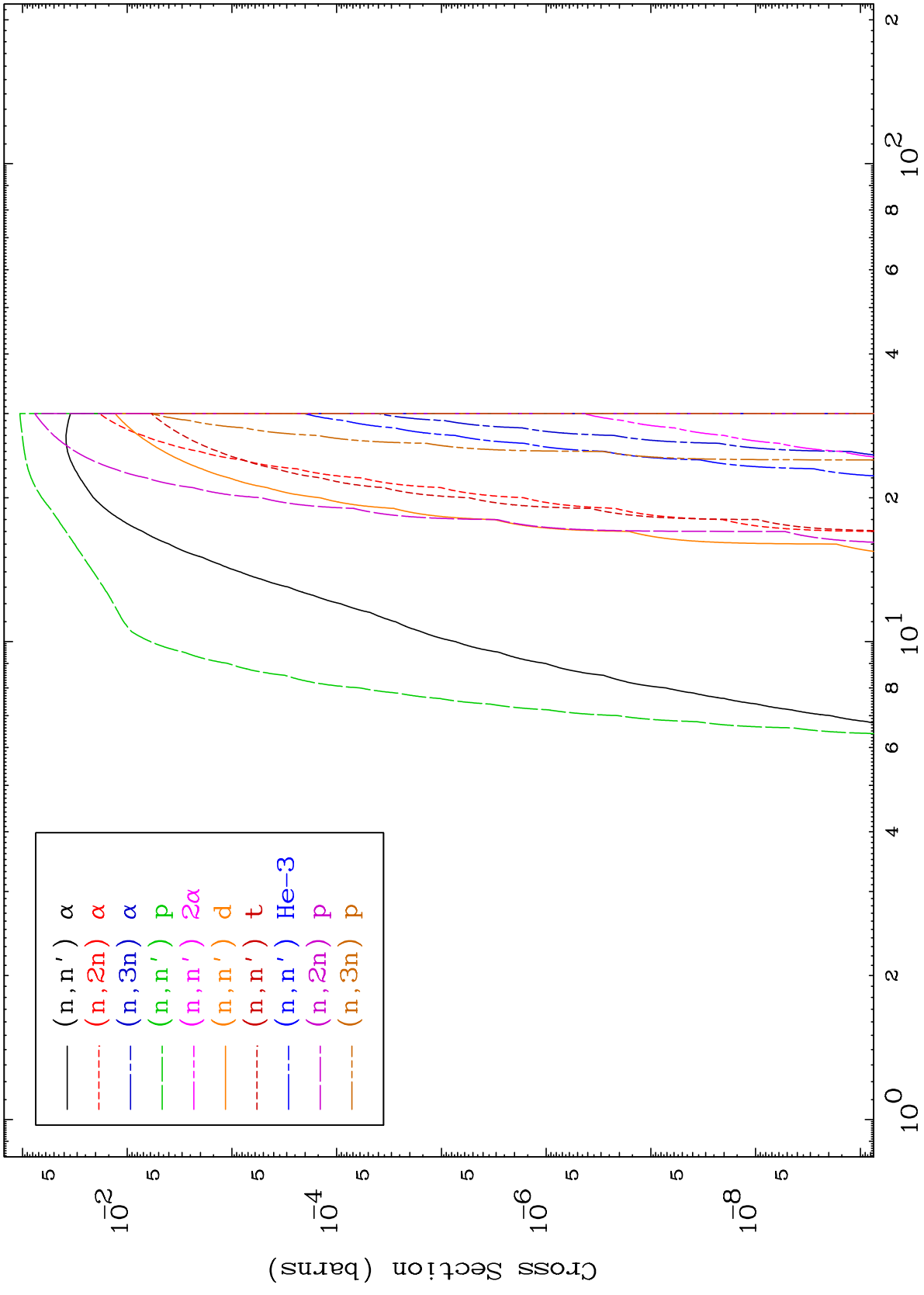


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Incident Energy (MeV)

53-I -123

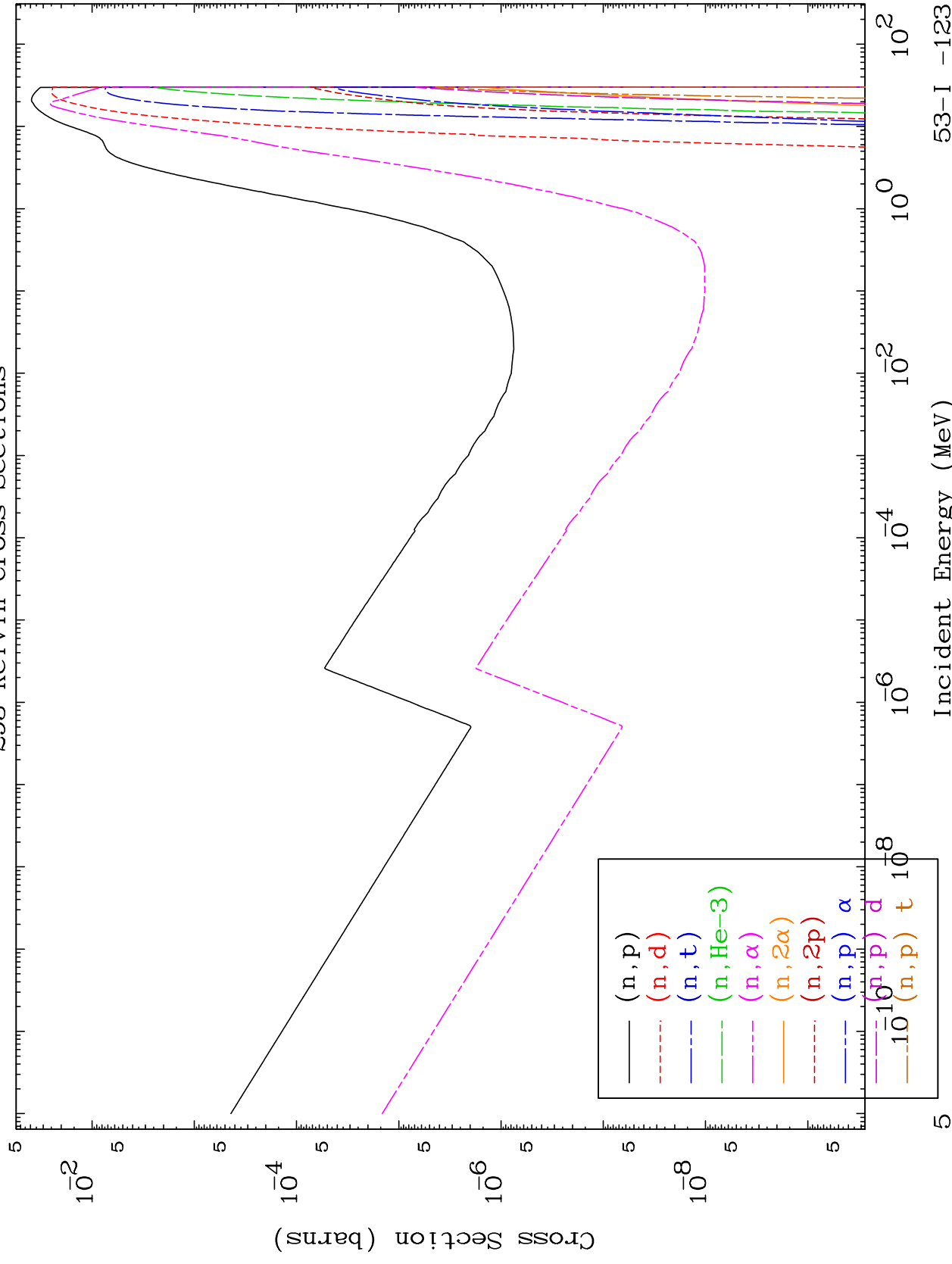




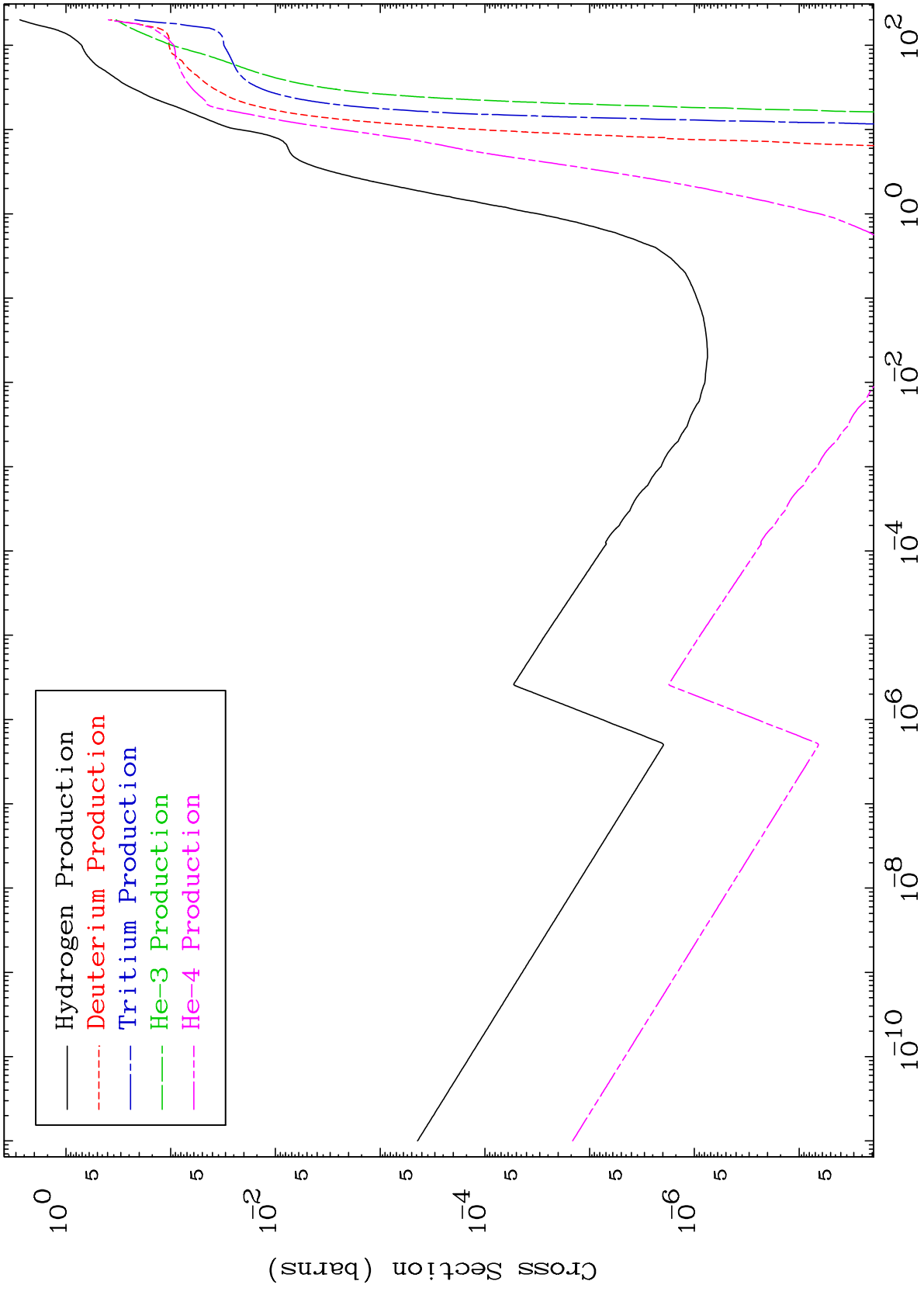
MAT 5313

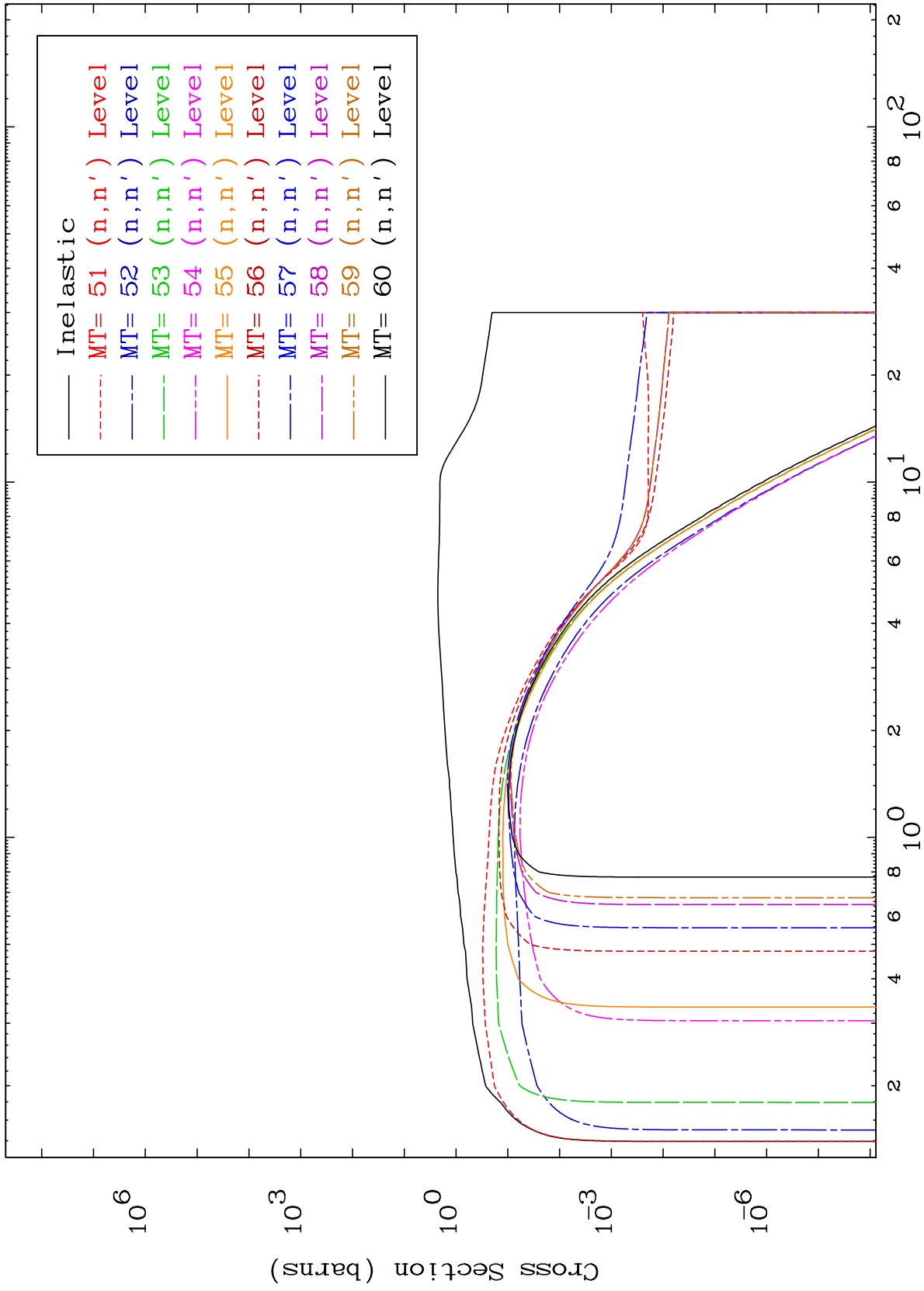
Charged Particle
293 Kelvin Cross Sections

53-I -123



53-I -123



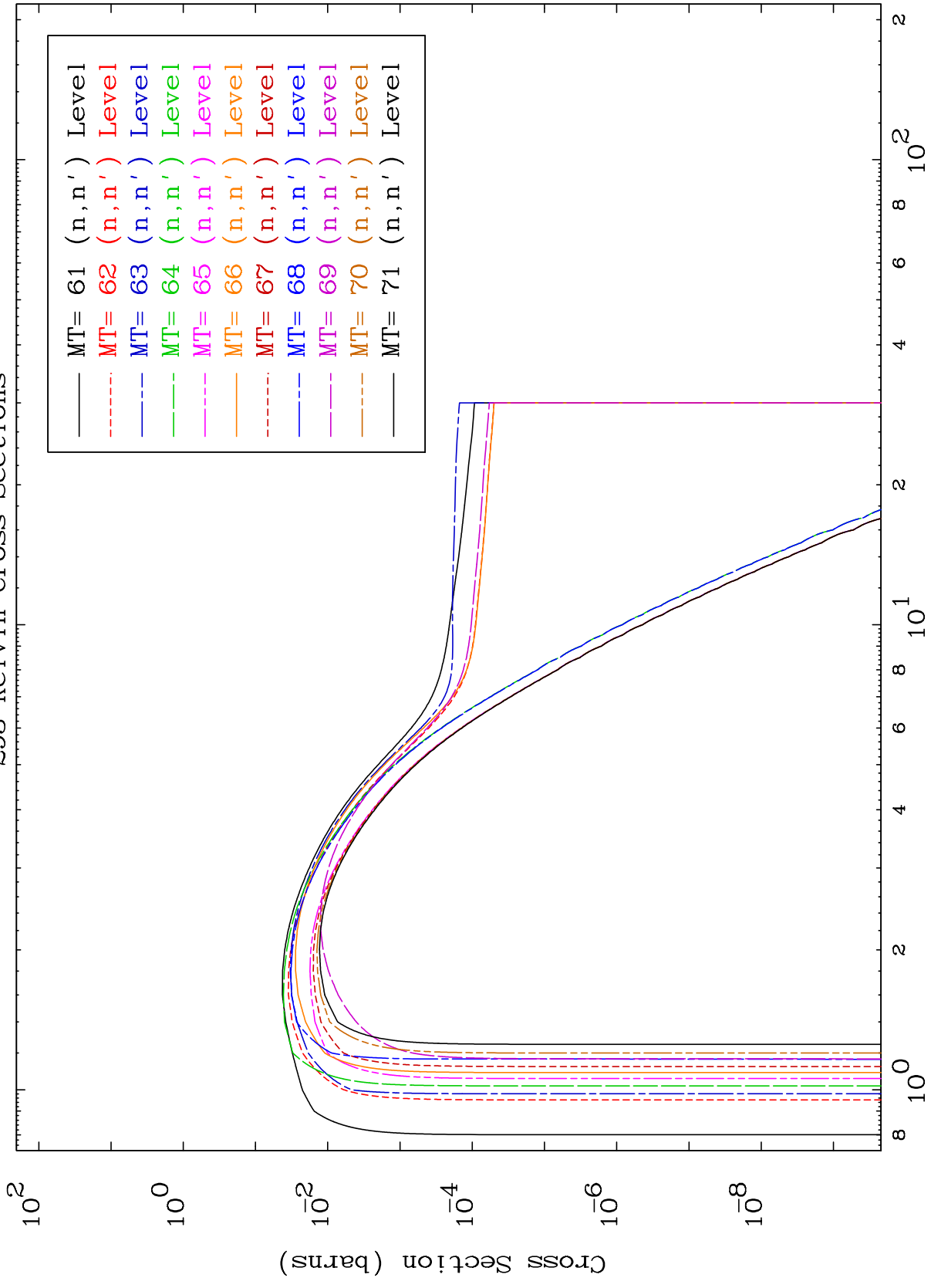


MAT 5313

(n,n') Level

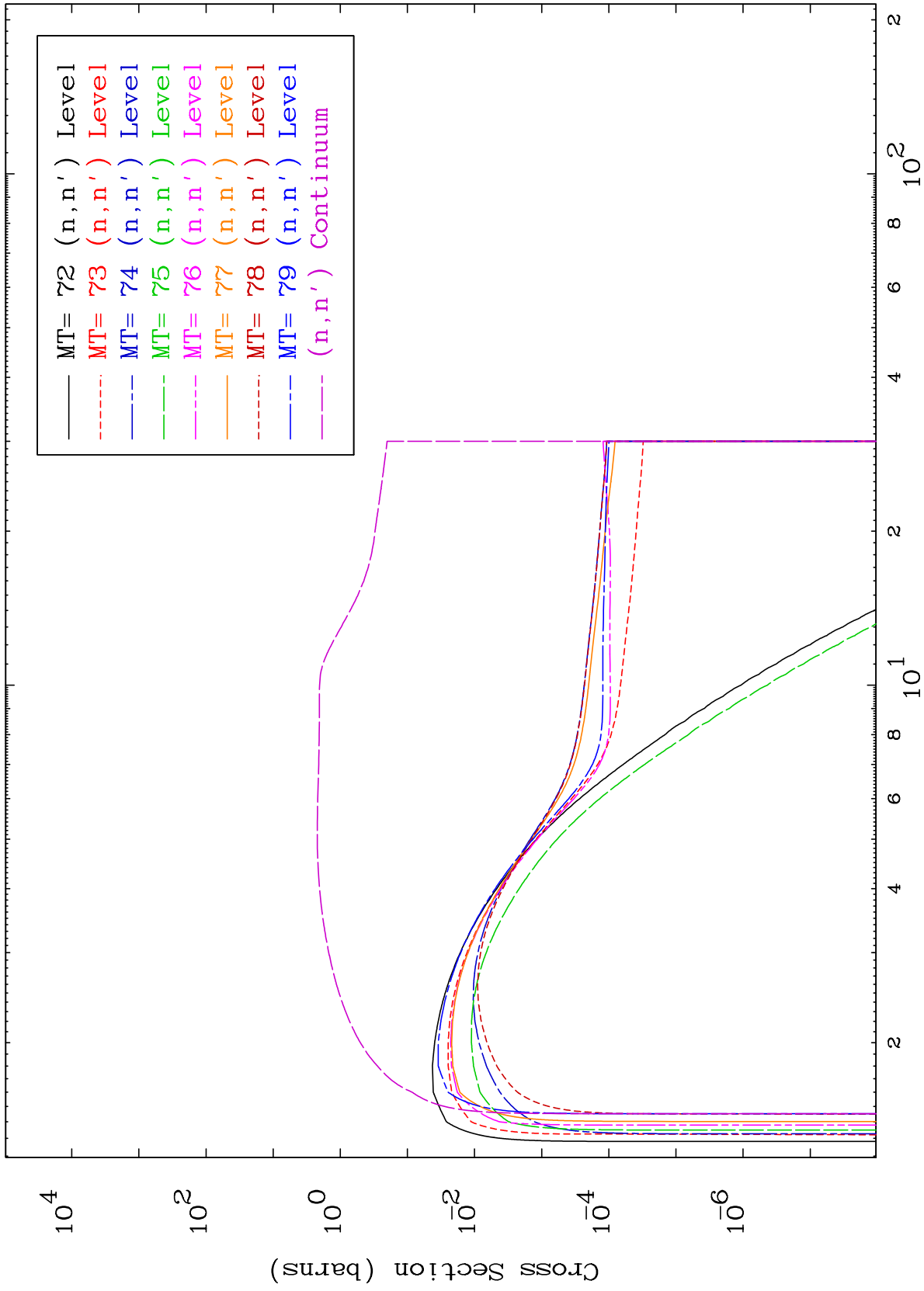
53-I -123

293 Kelvin Cross Sections



Incident Energy (MeV)

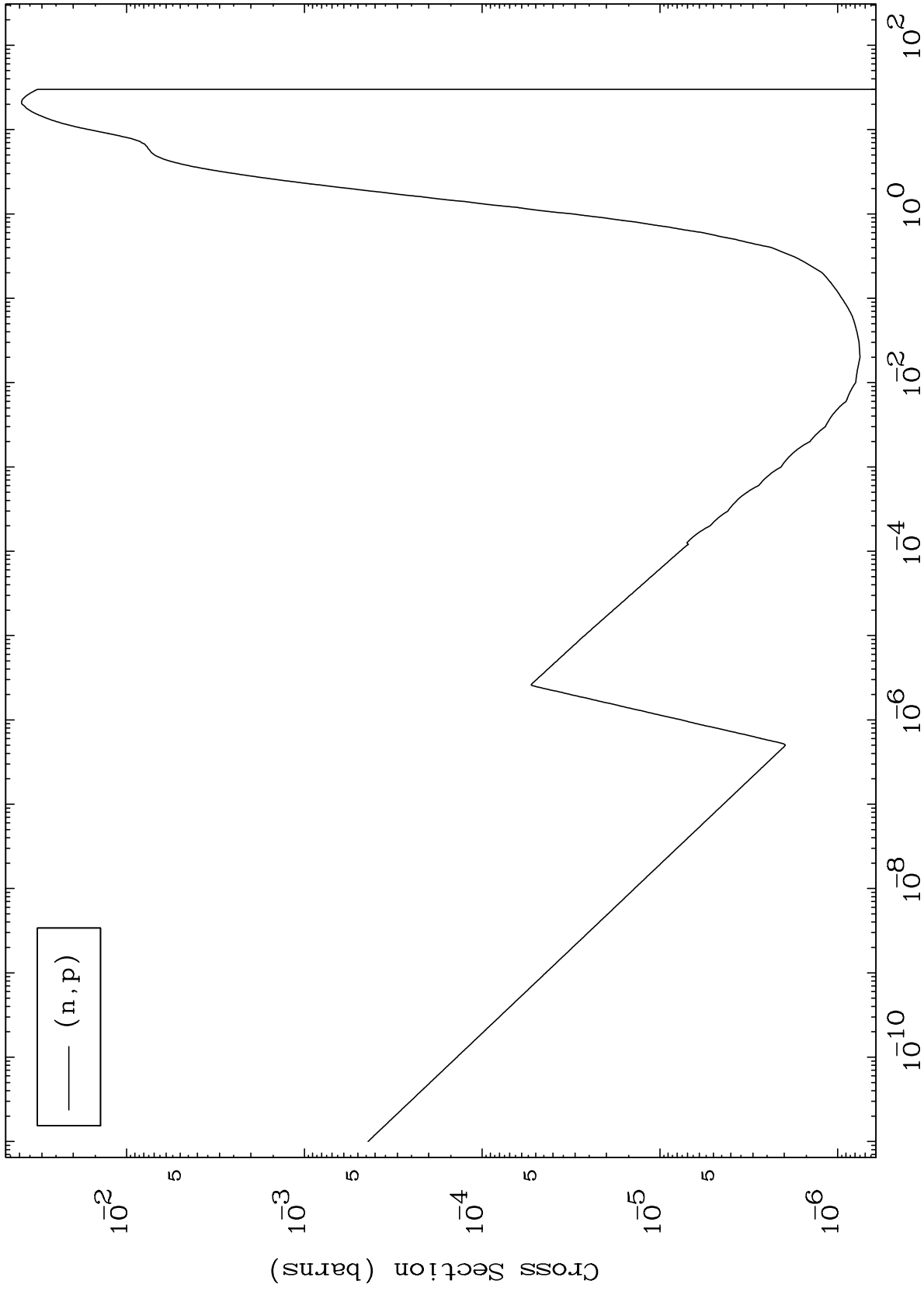
53-I -123



MAT 5313

(n,p) Levels
293 Kelvin Cross Sections

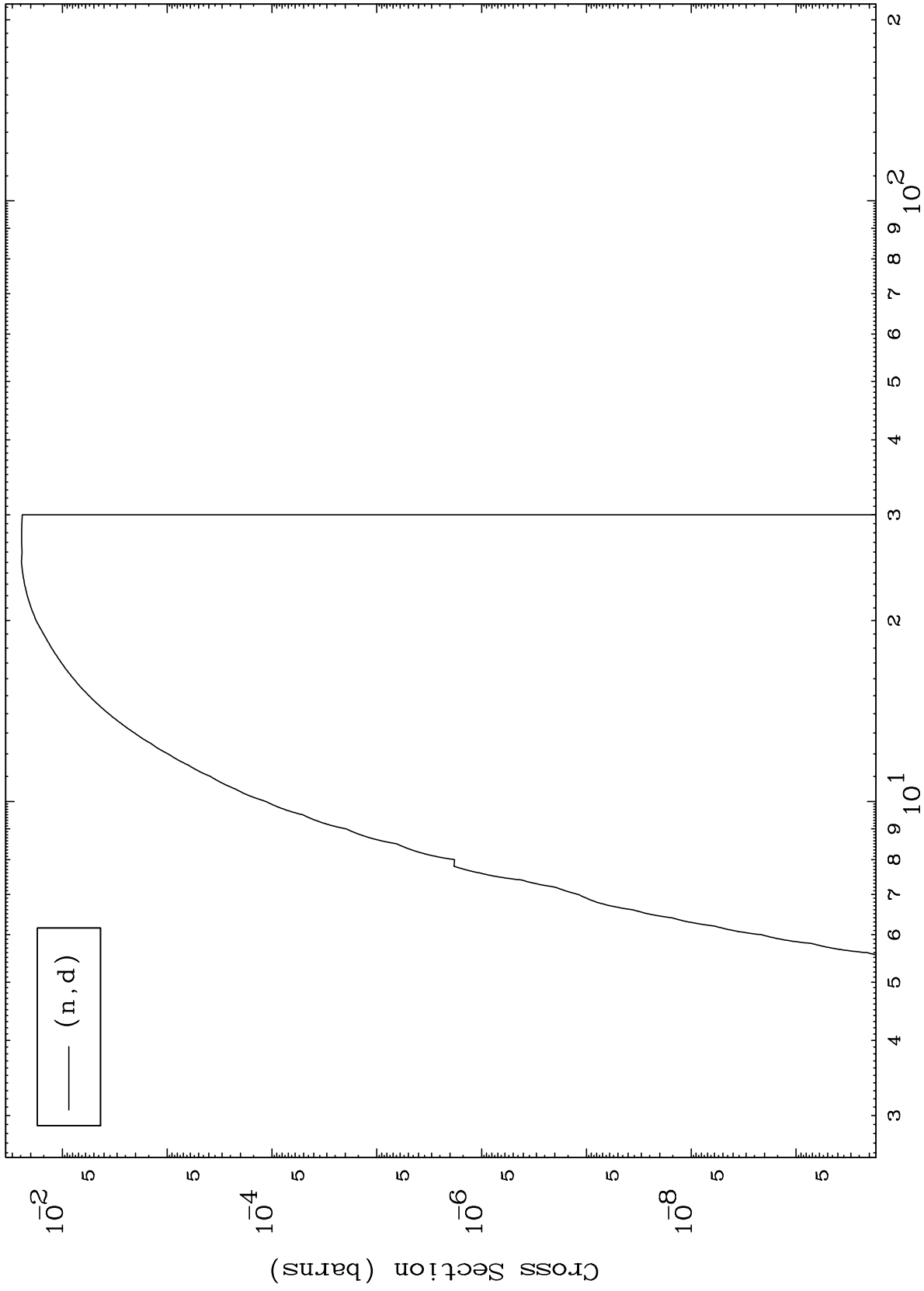
53-I -123



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Incident Energy (MeV)

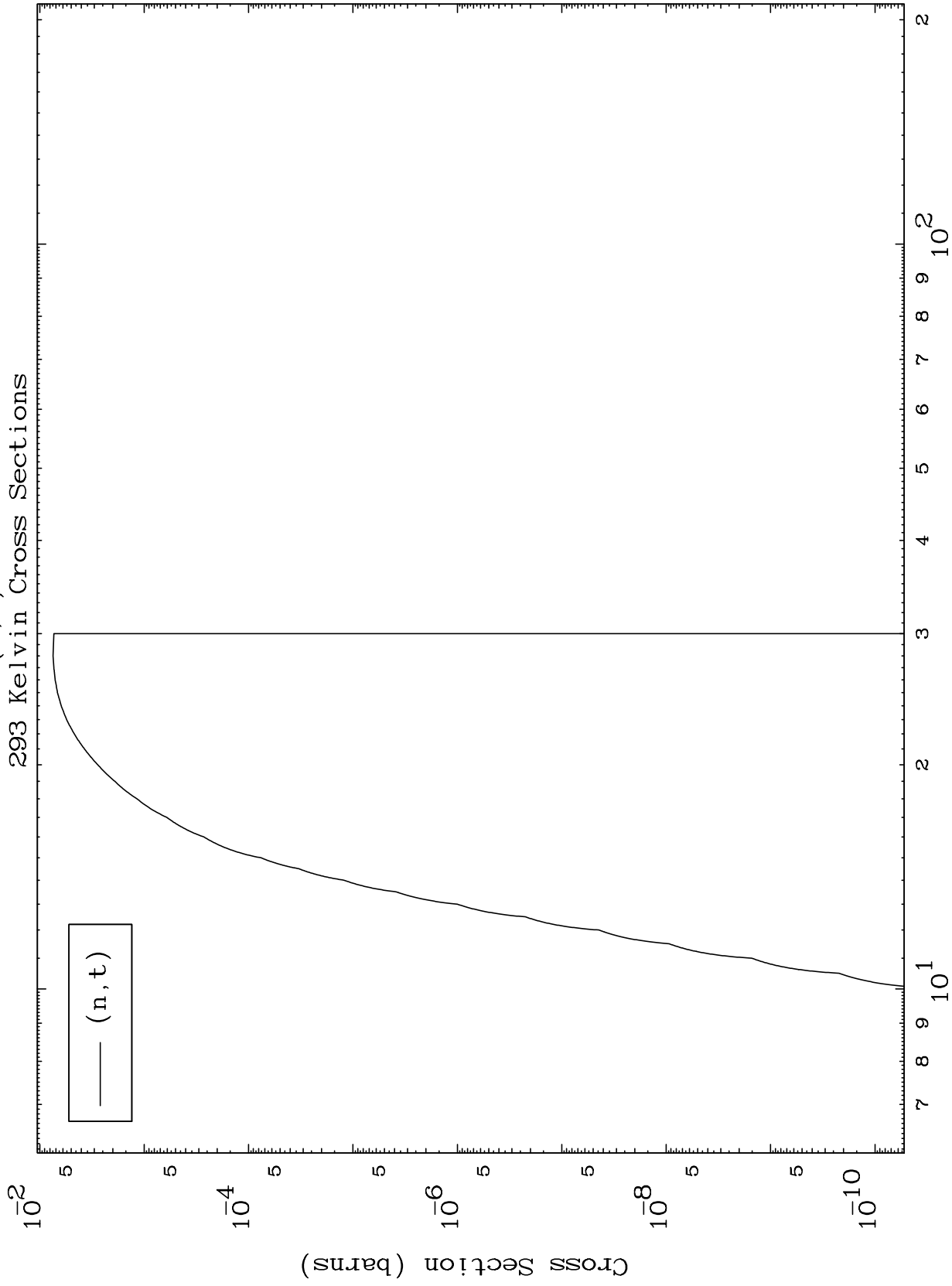
53-I -123



MAT 5313

(n,t) Levels
293 Kelvin Cross Sections

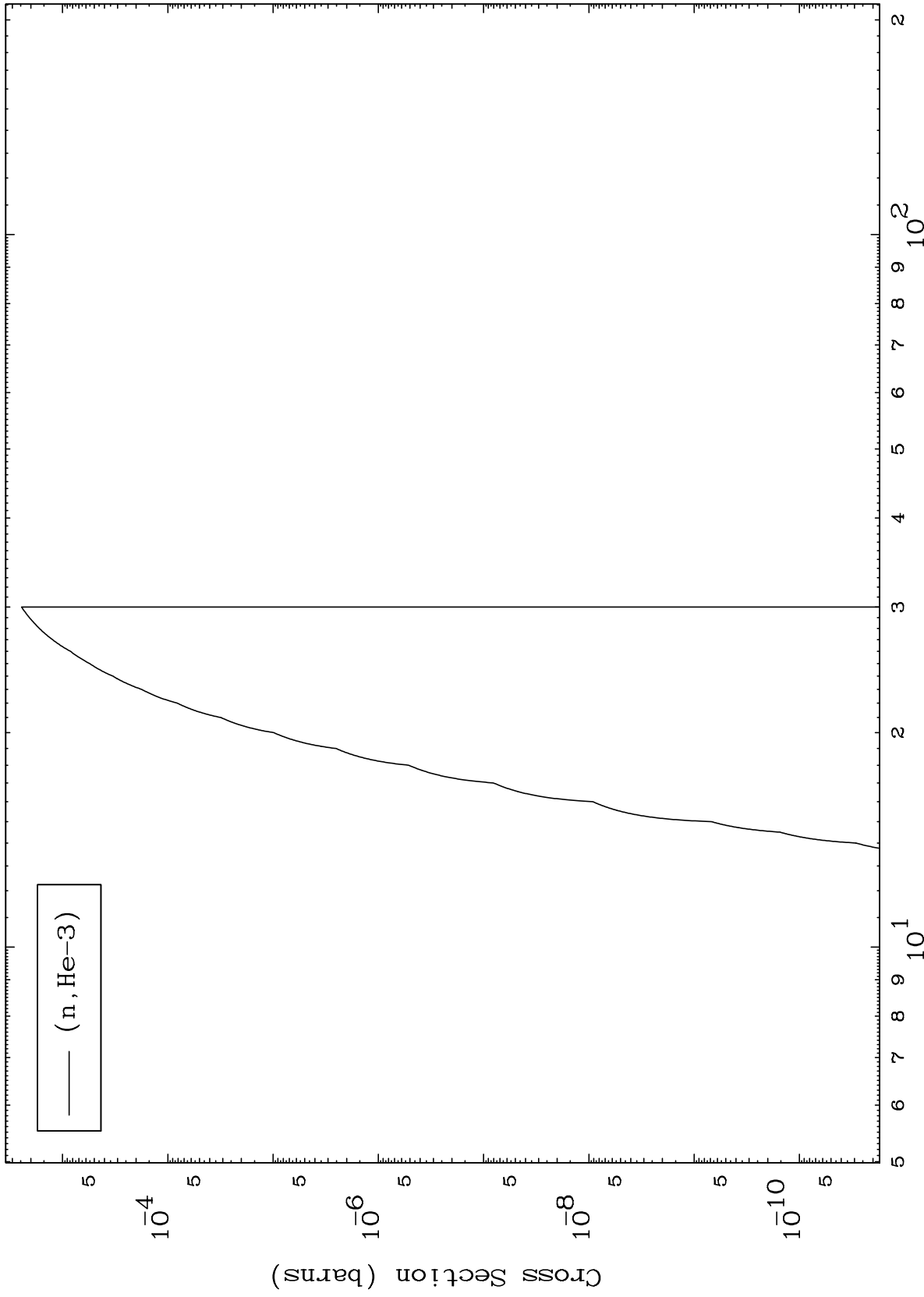
53-I -123



12

Incident Energy (MeV)

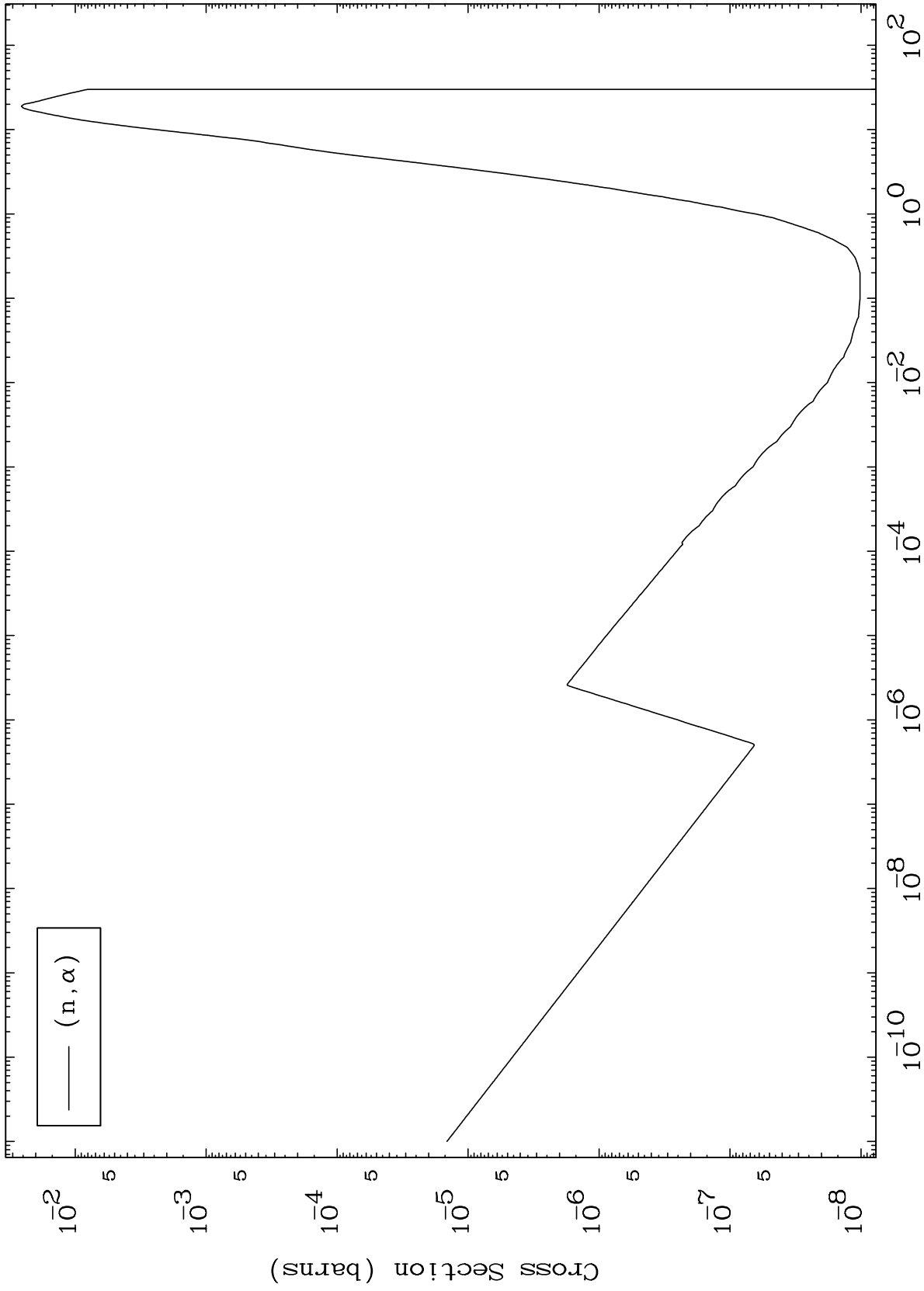
53-I -123



MAT 5313

(n, α) Levels
293 Kelvin Cross Sections

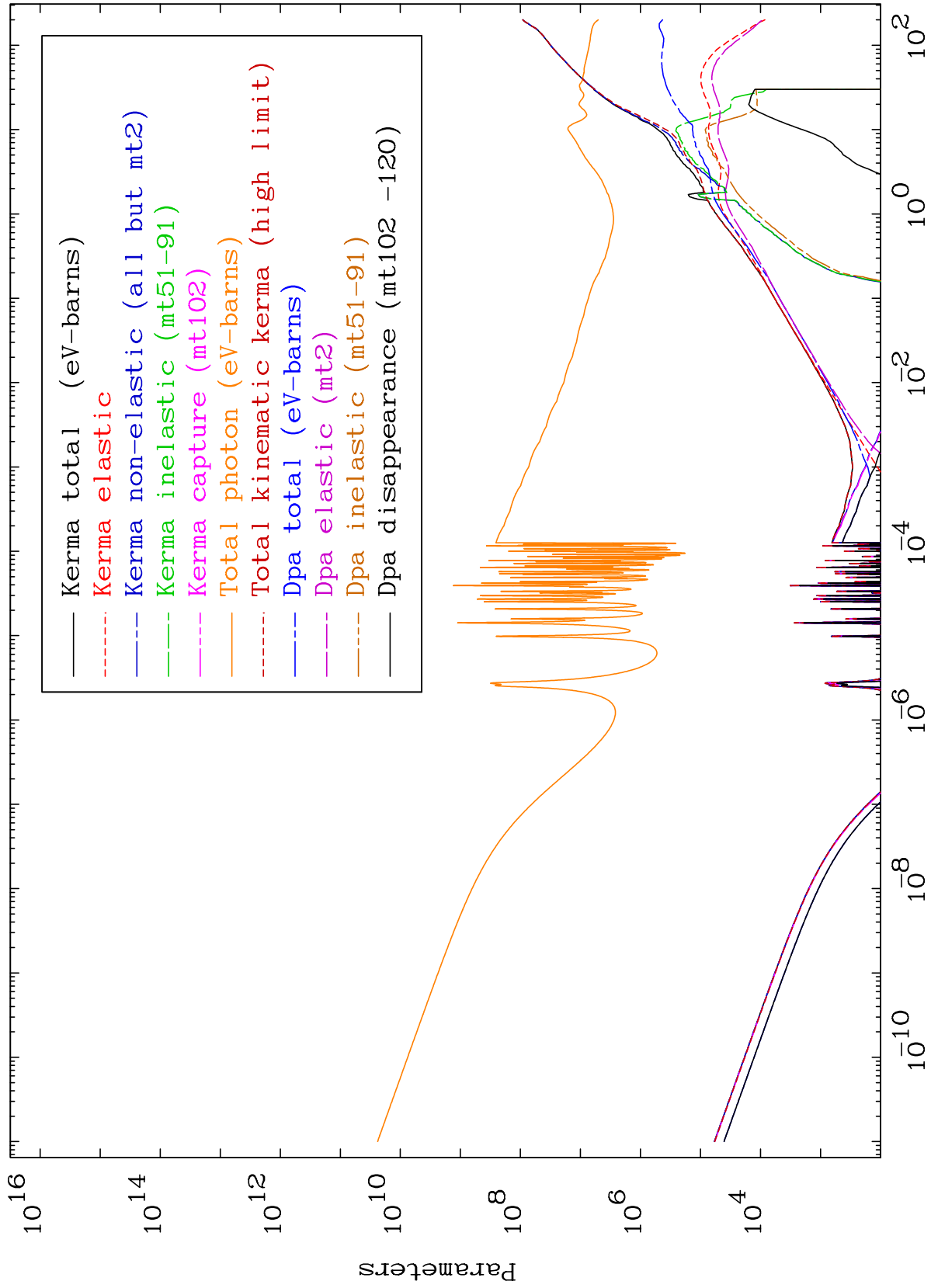
53-I -123



14

Incident Energy (MeV)

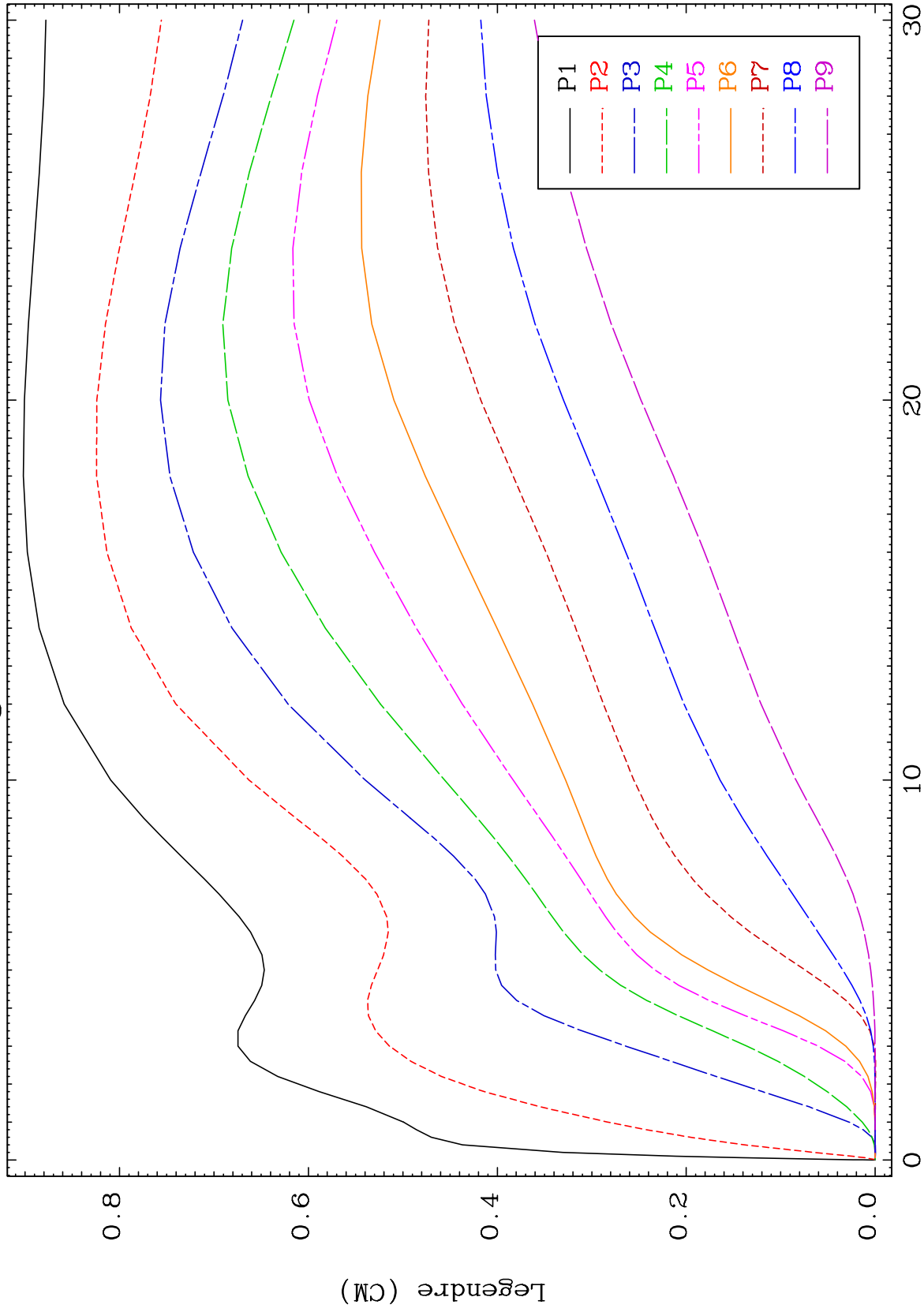
53-I -123



MAT 5313

Elastic Legendre Coefficients

53-I -123



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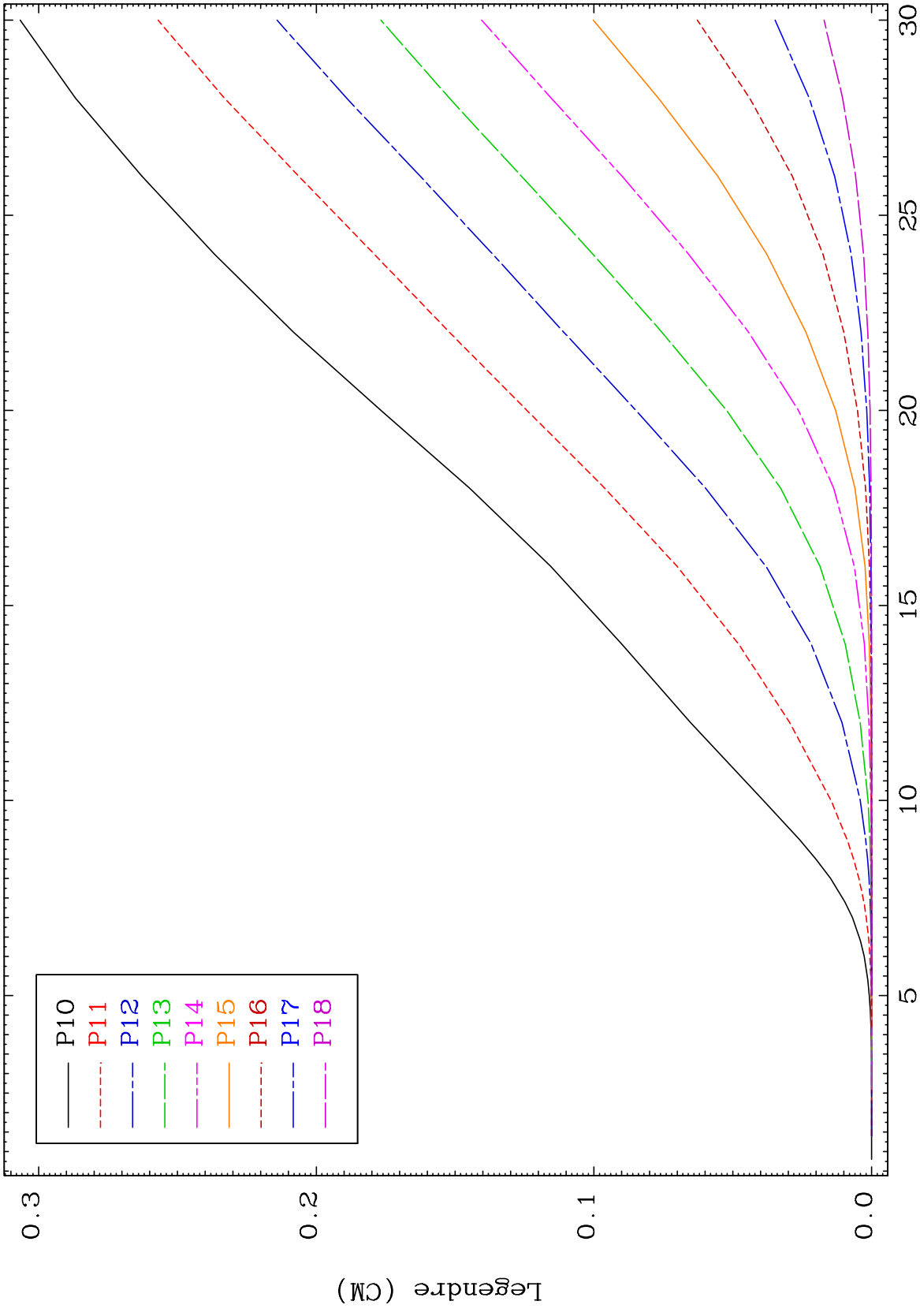
Incident Energy (MeV)

53-I -123

MAT 5313

Elastic Legendre Coefficients

53-I -123



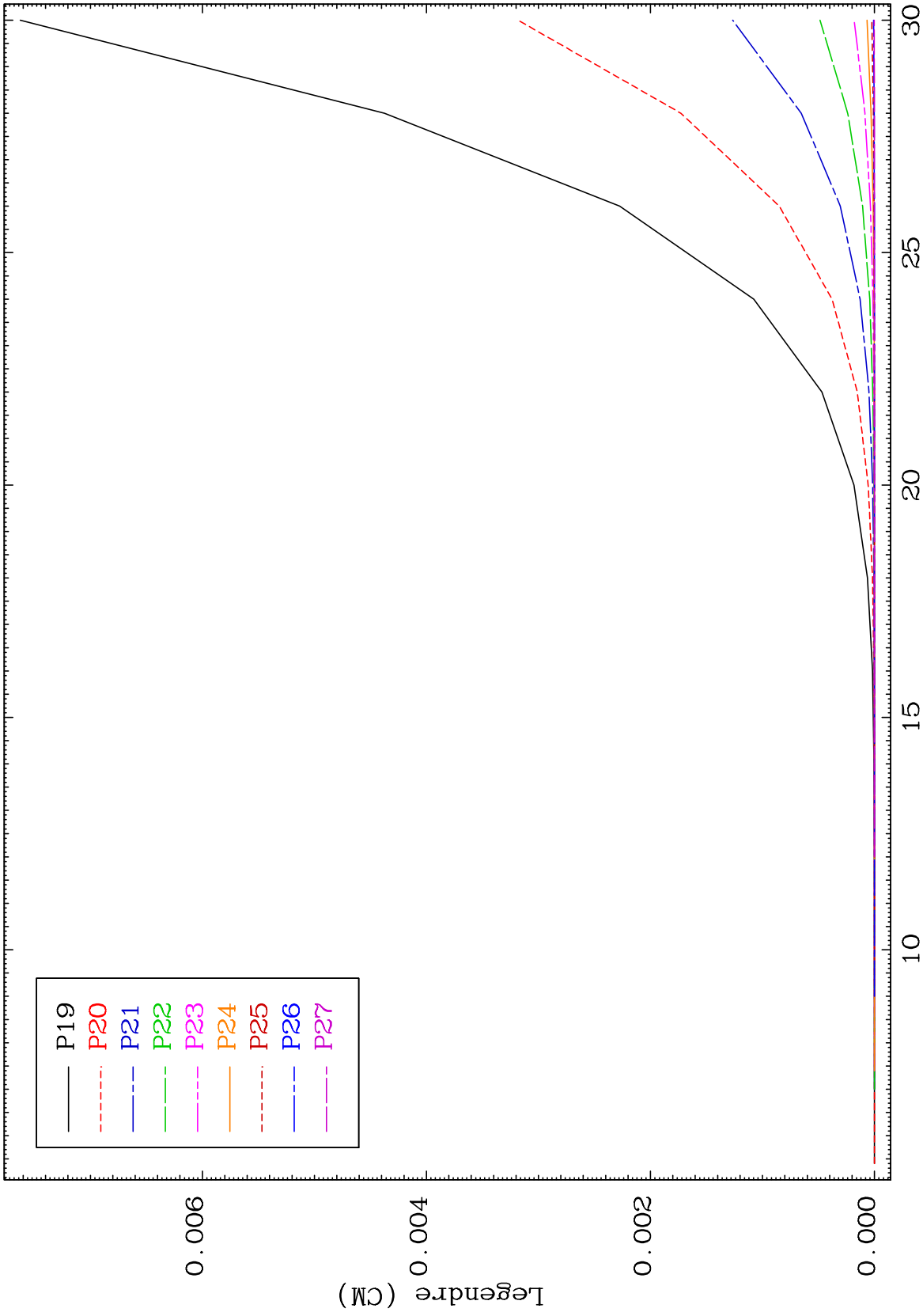
17

53-I -123

MAT 5313

Elastic Legendre Coefficients

53-I -123



18

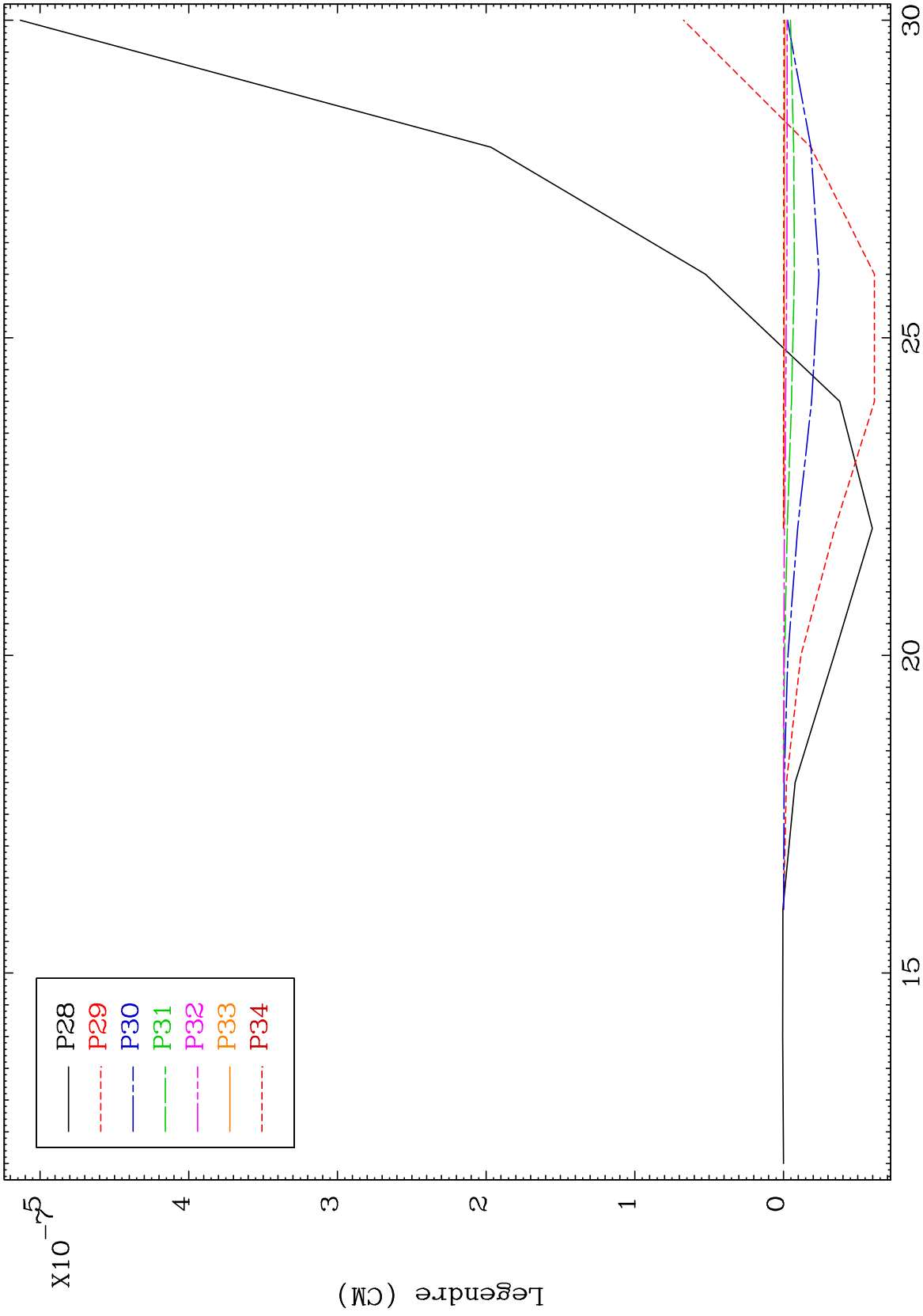
Incident Energy (MeV)

53-I -123

MAT 5313

Elastic
Legendre Coefficients

53-I -123



19

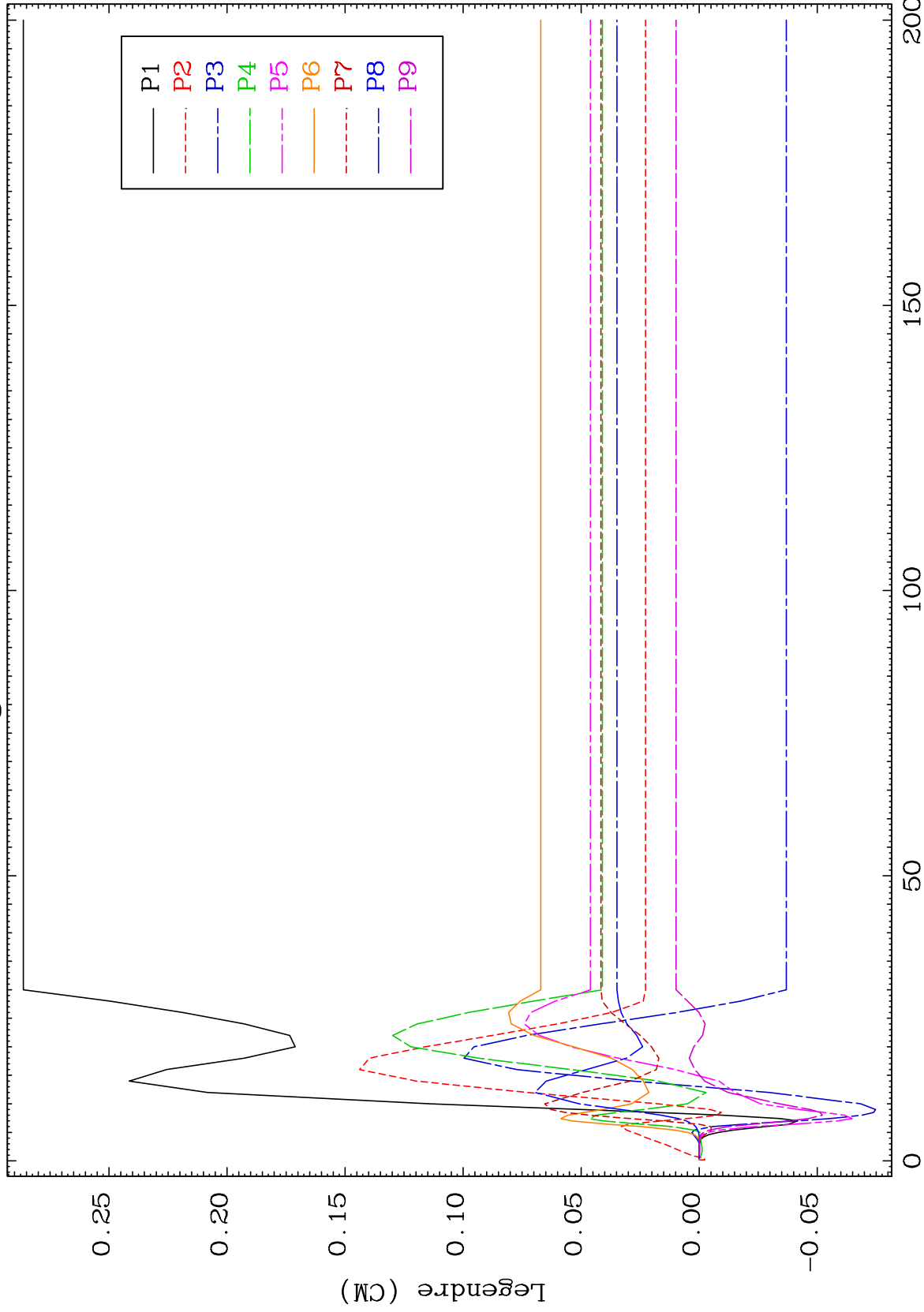
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



20

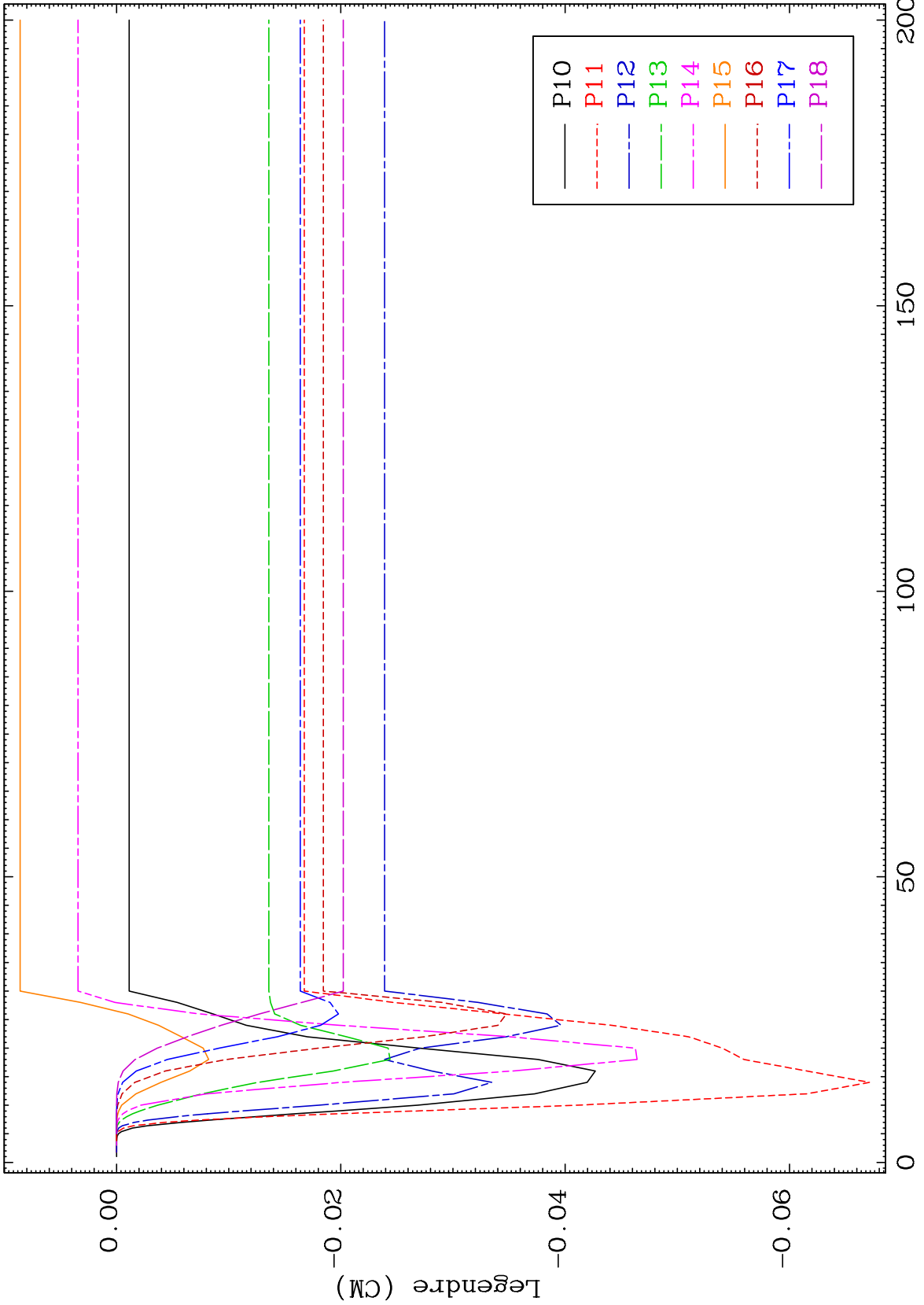
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123

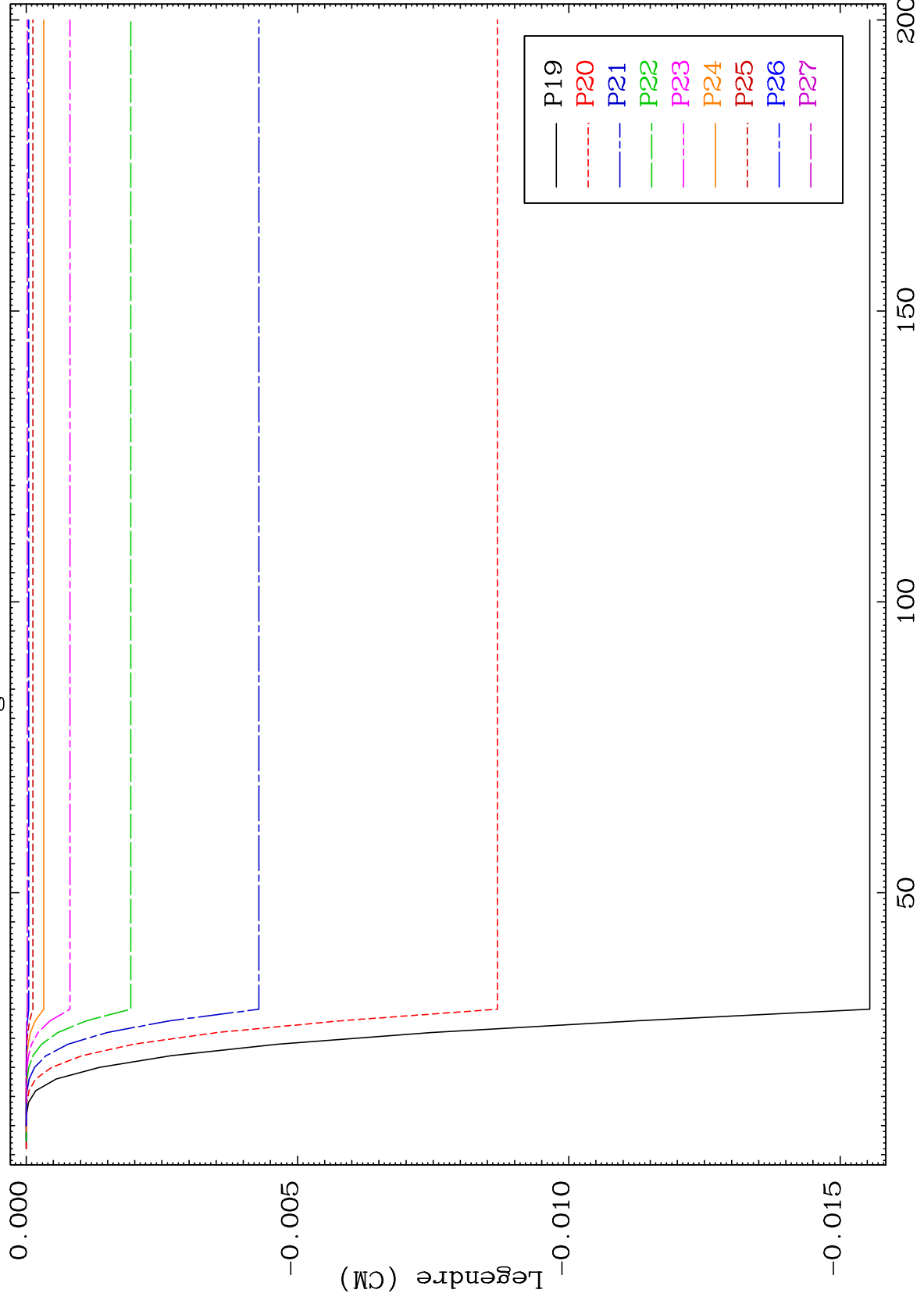


21

Incident Energy (MeV)

53-I -123

MAT 5313 MT= 51 (n,n') Level Legendre Coefficients 53-I -123

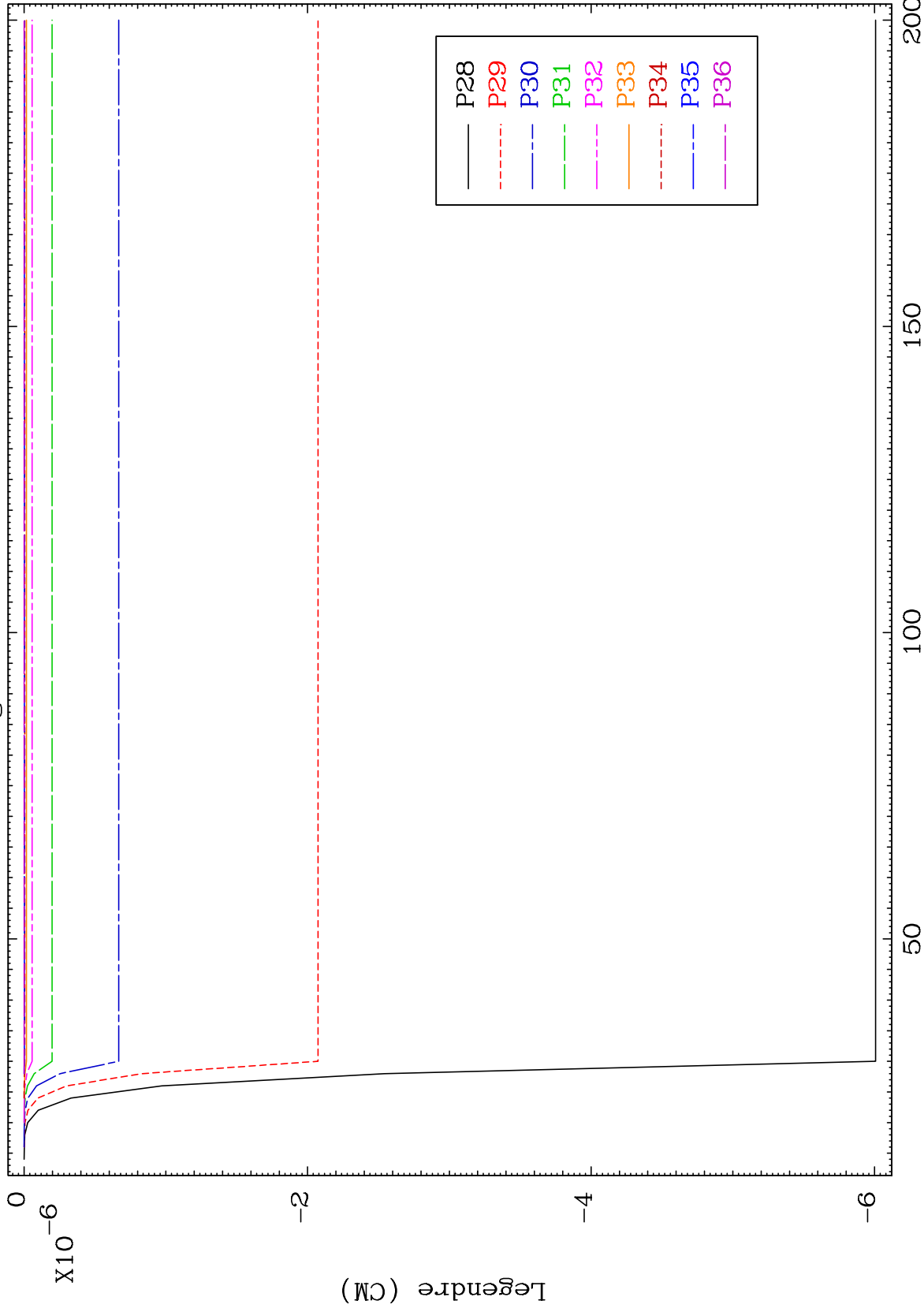


22 53-I -123

MAT 5313

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

53-I -123

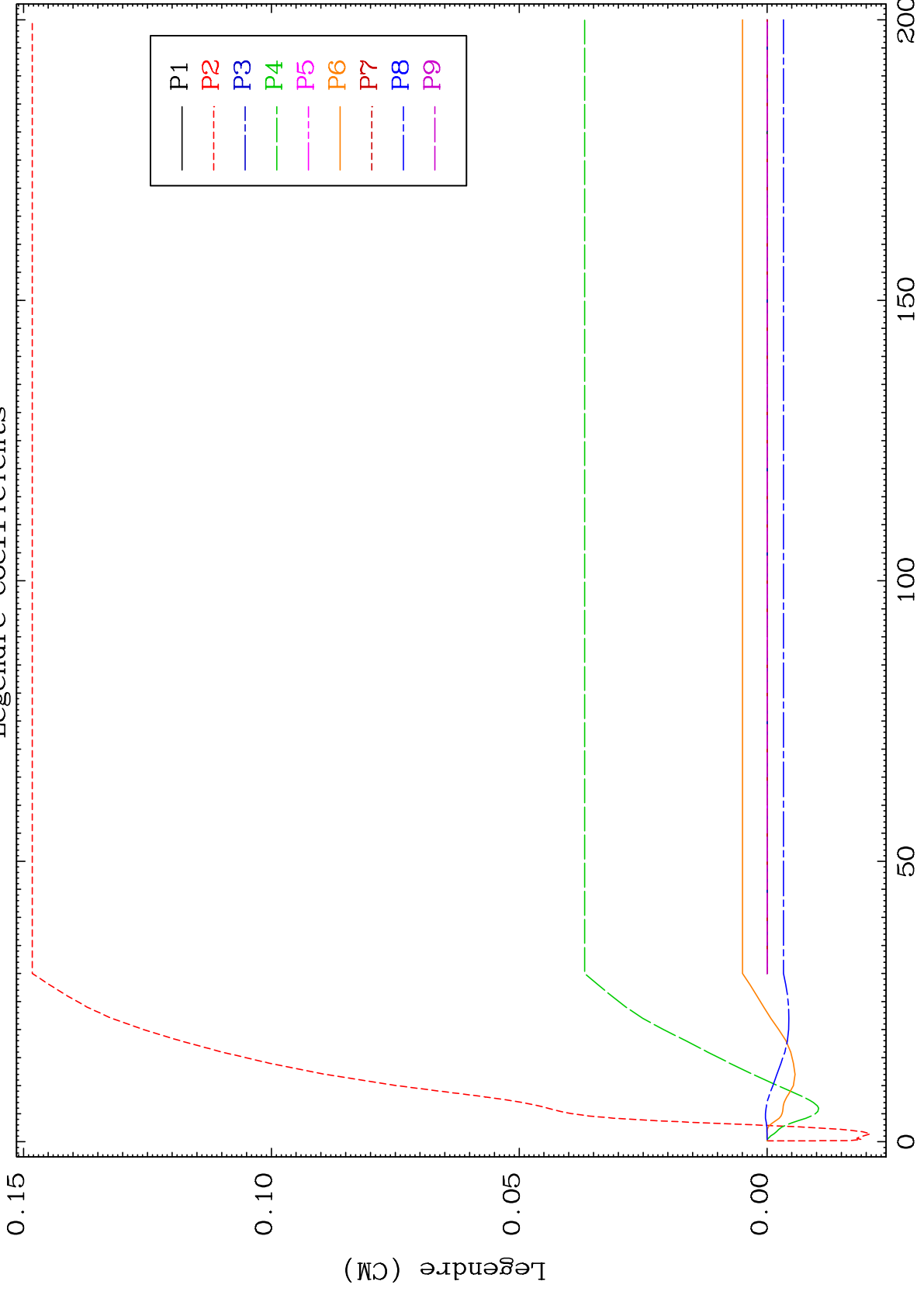


23

Incident Energy (MeV)

53-I -123

MAT 5313 MT= 52 (n,n') Level Legendre Coefficients 53-I -123

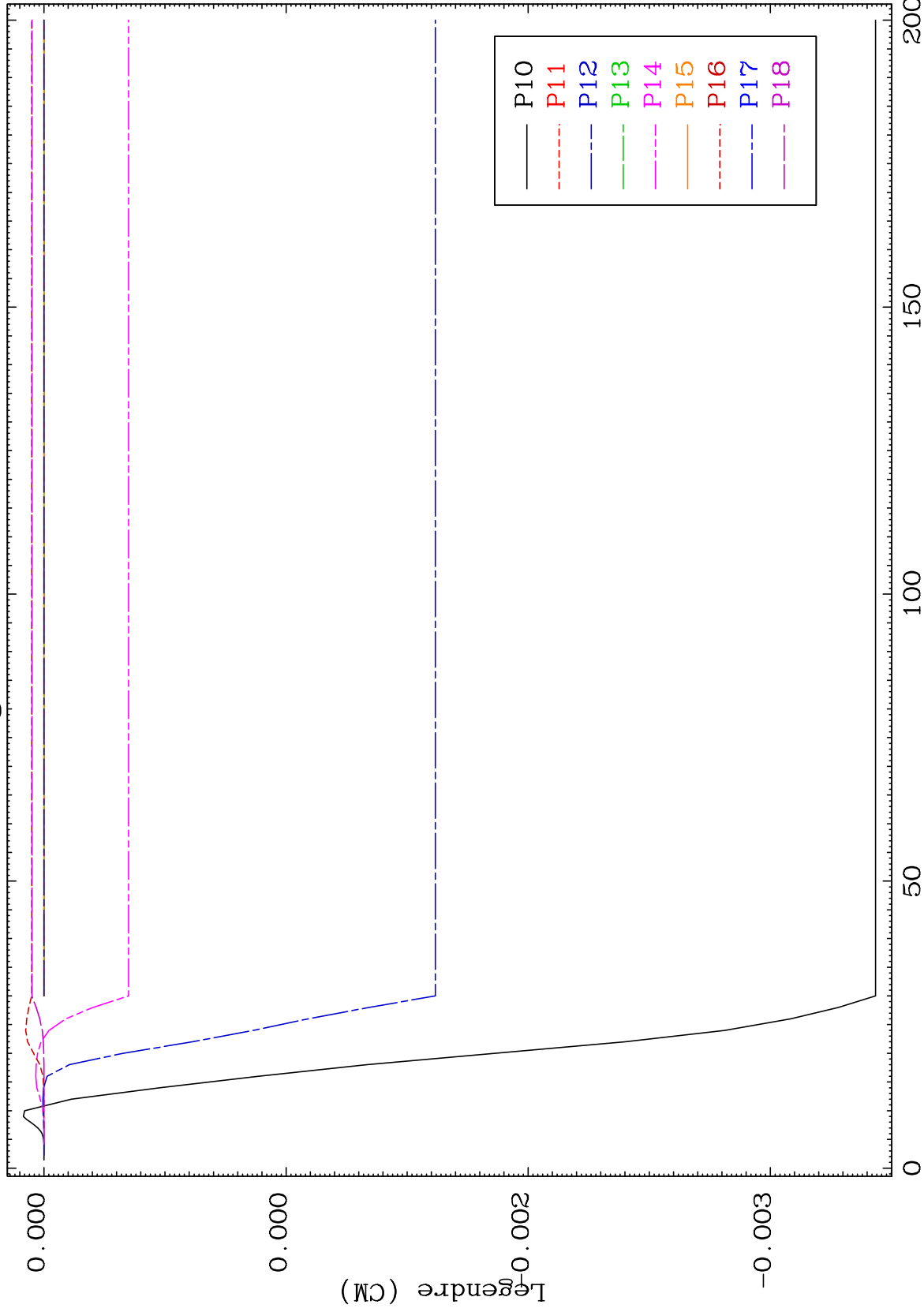


24 53-I -123

MAT 5313

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

53-I -123



25

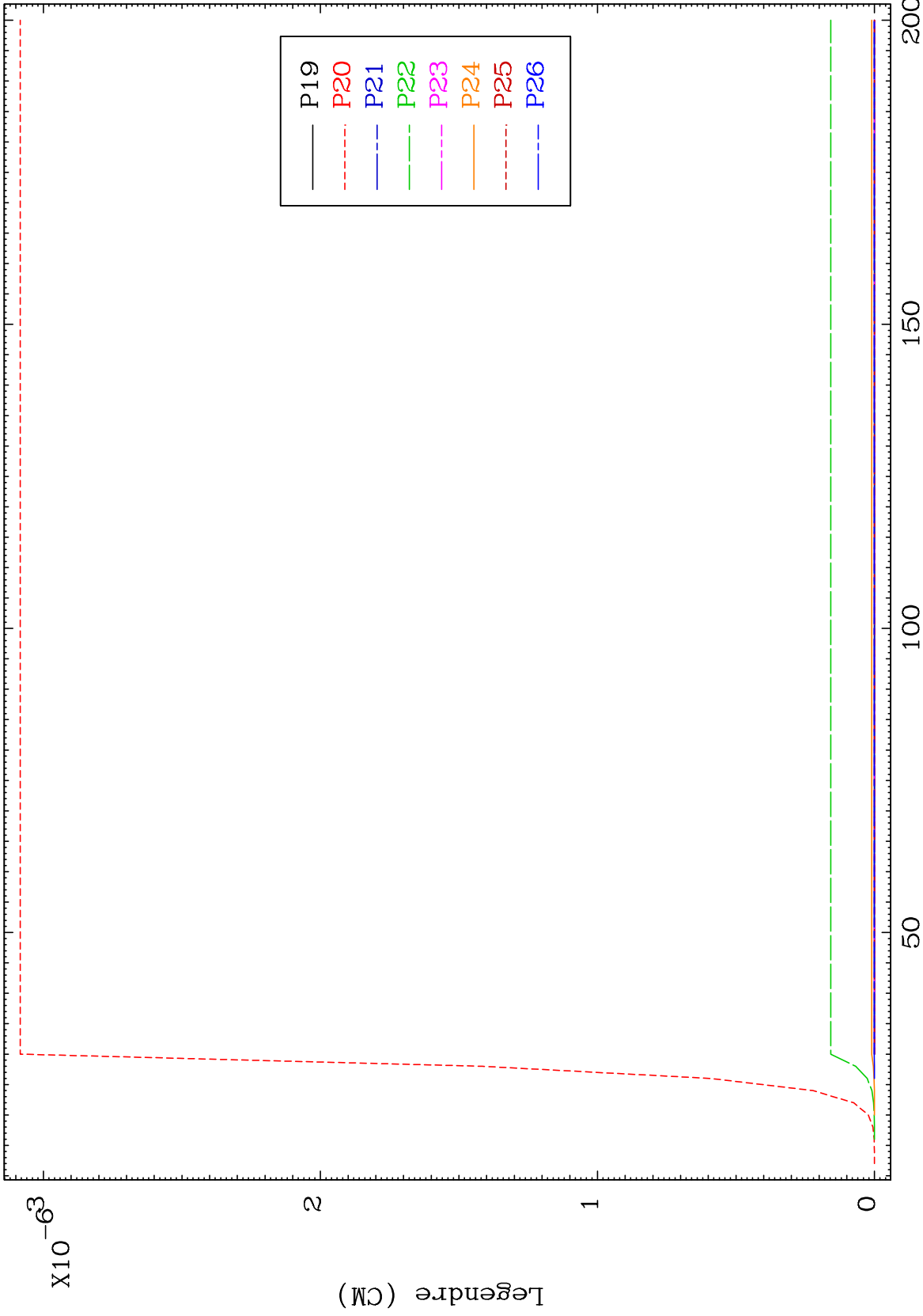
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



26

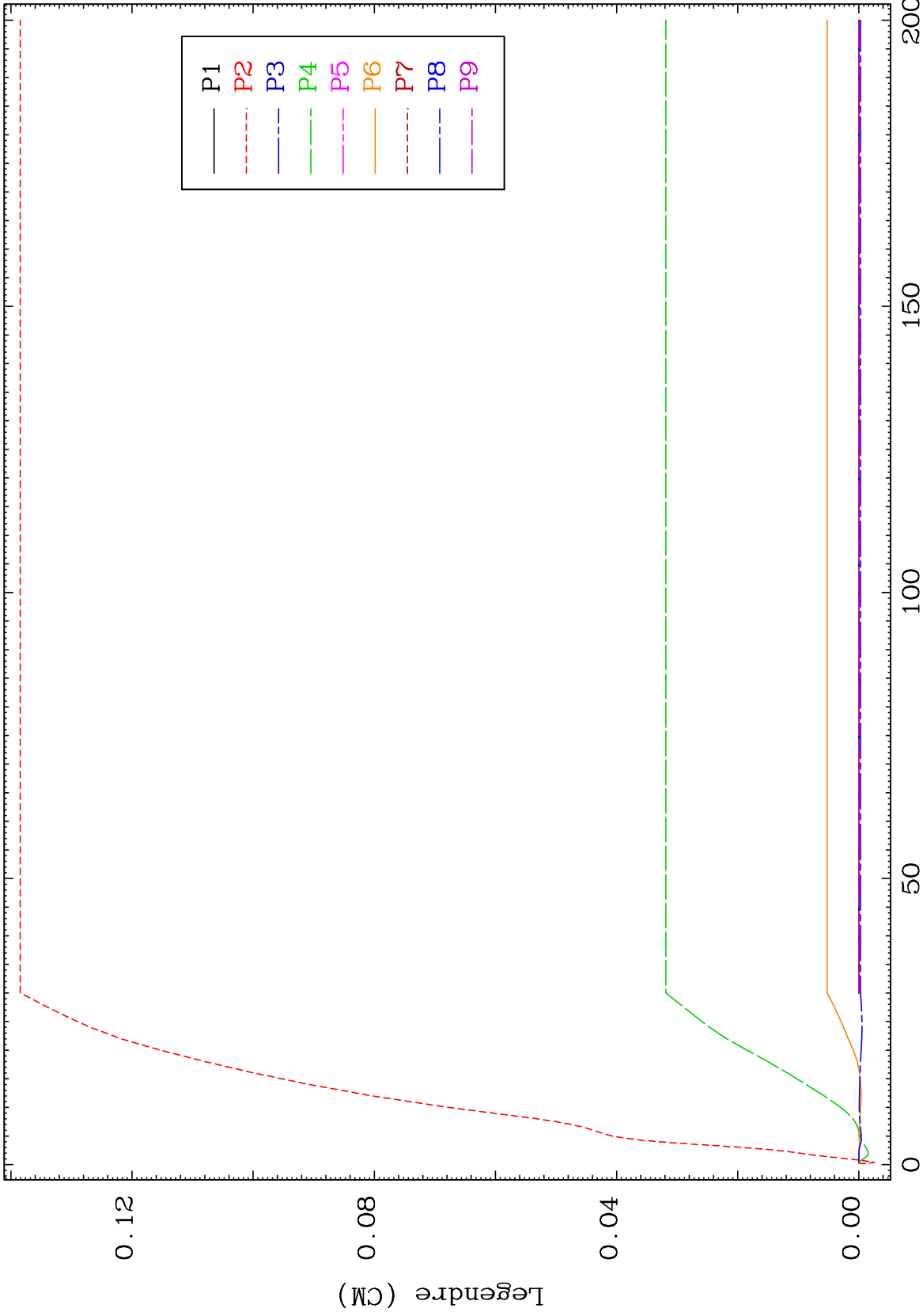
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



27

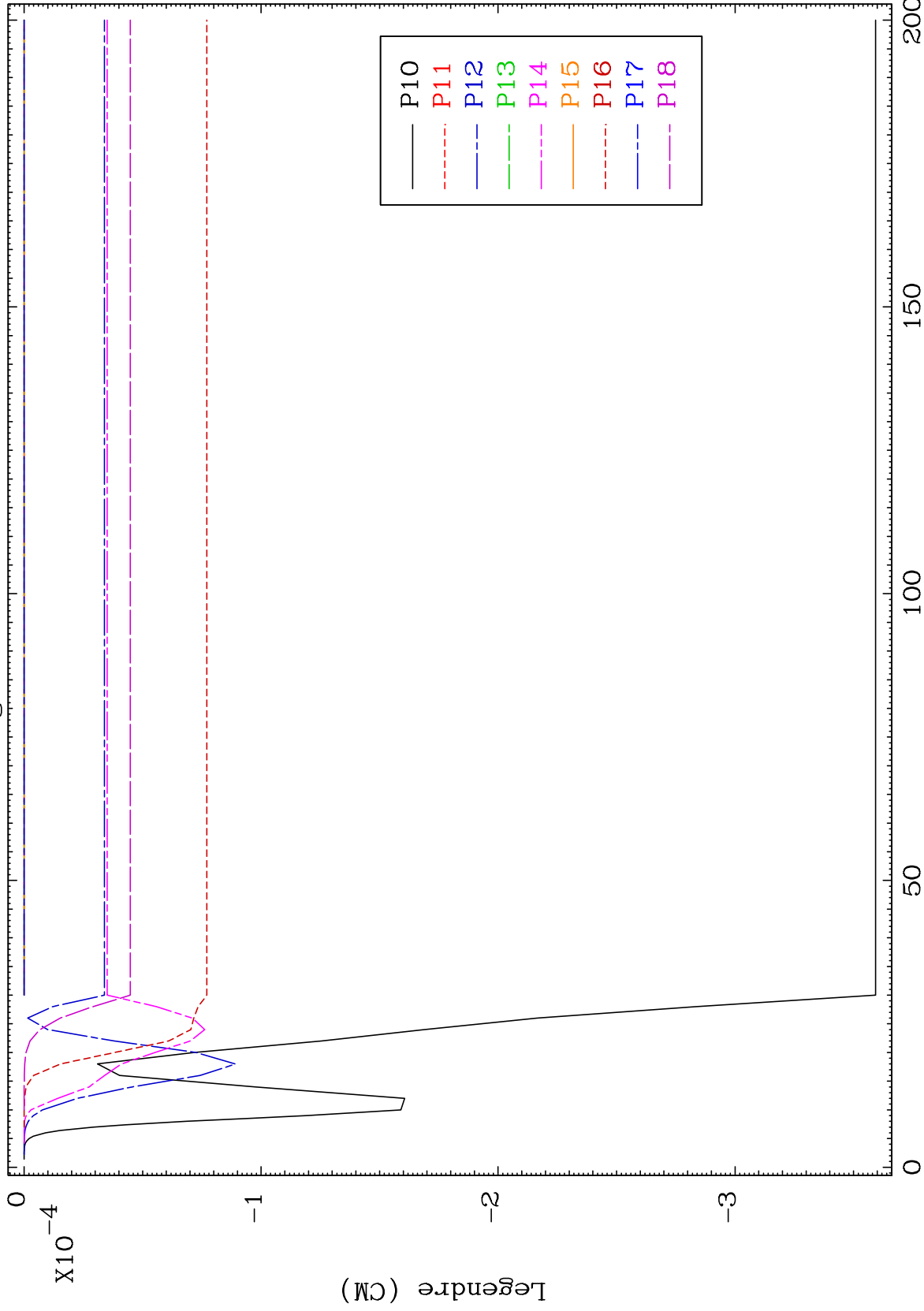
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



28

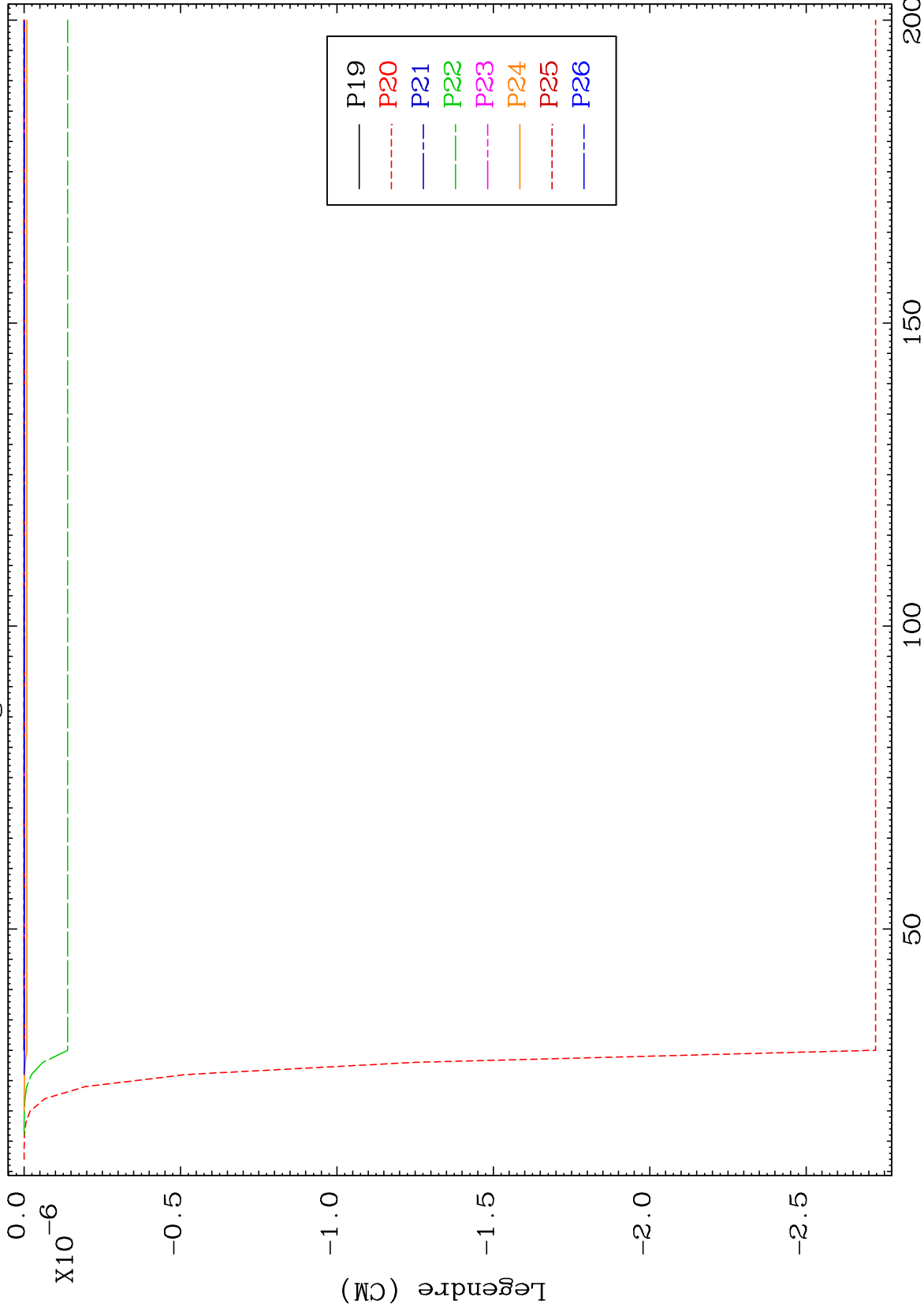
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



29

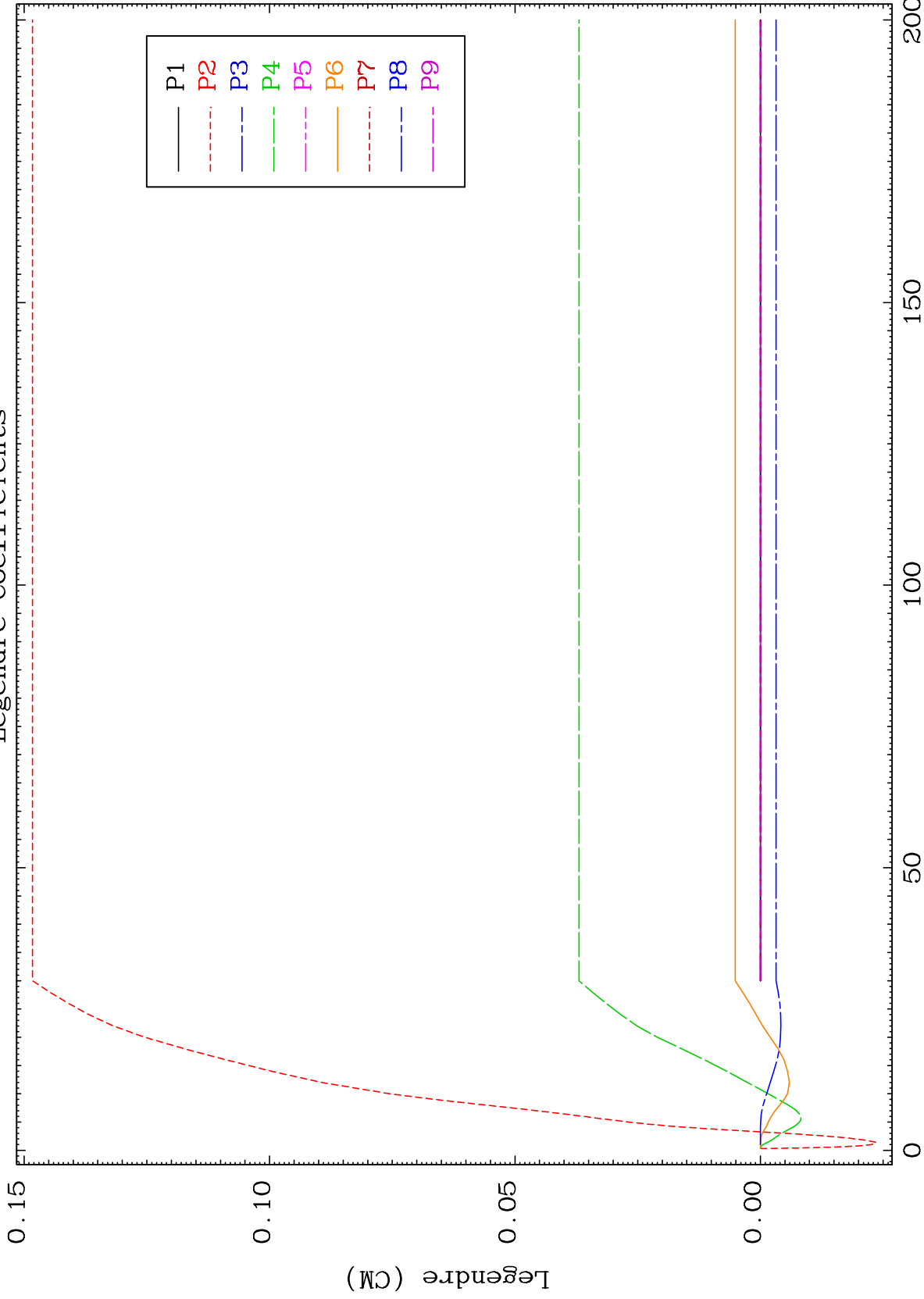
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



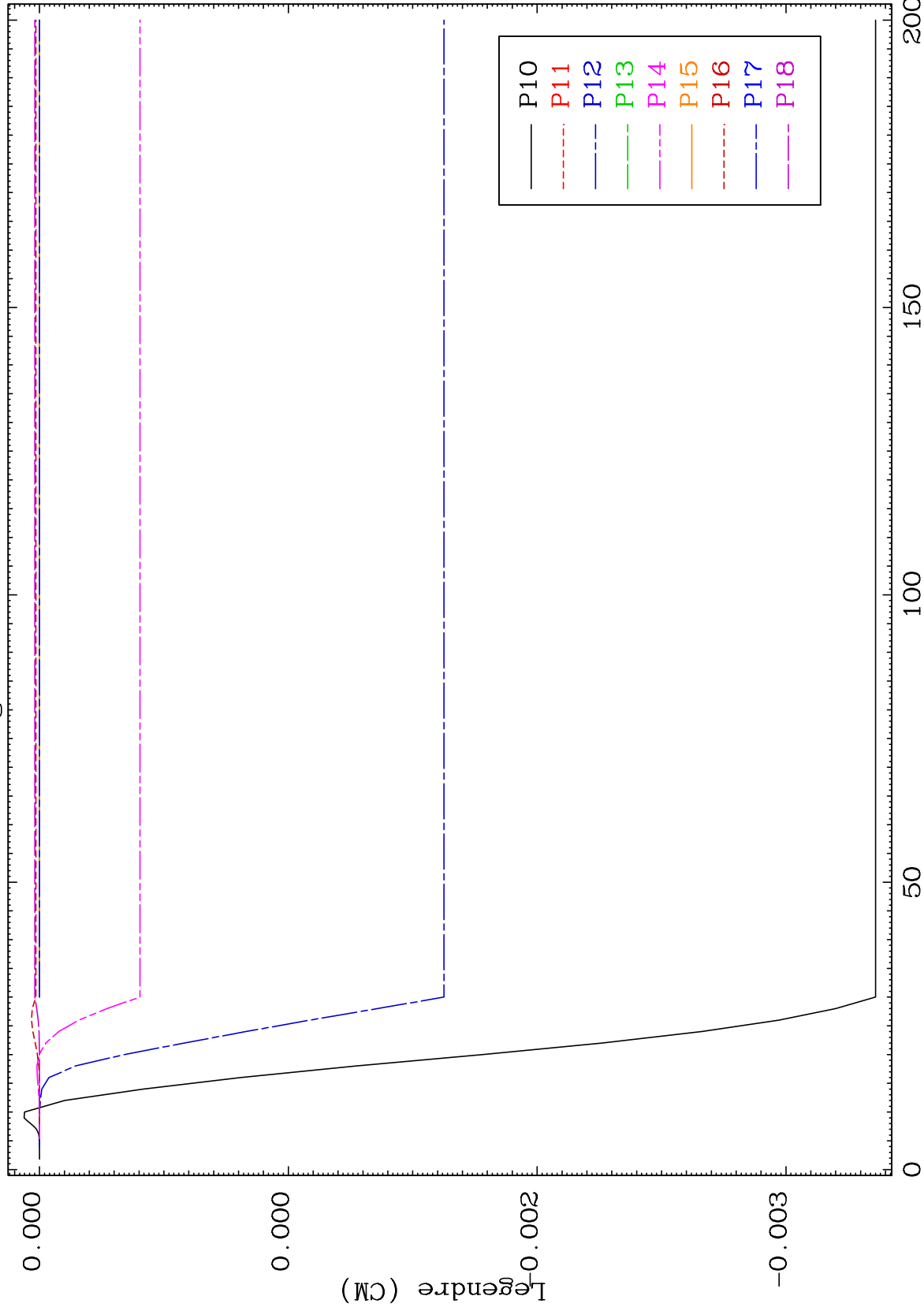
53-I -123

Incident Energy (MeV)

MAT 5313

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

53-I -123



31

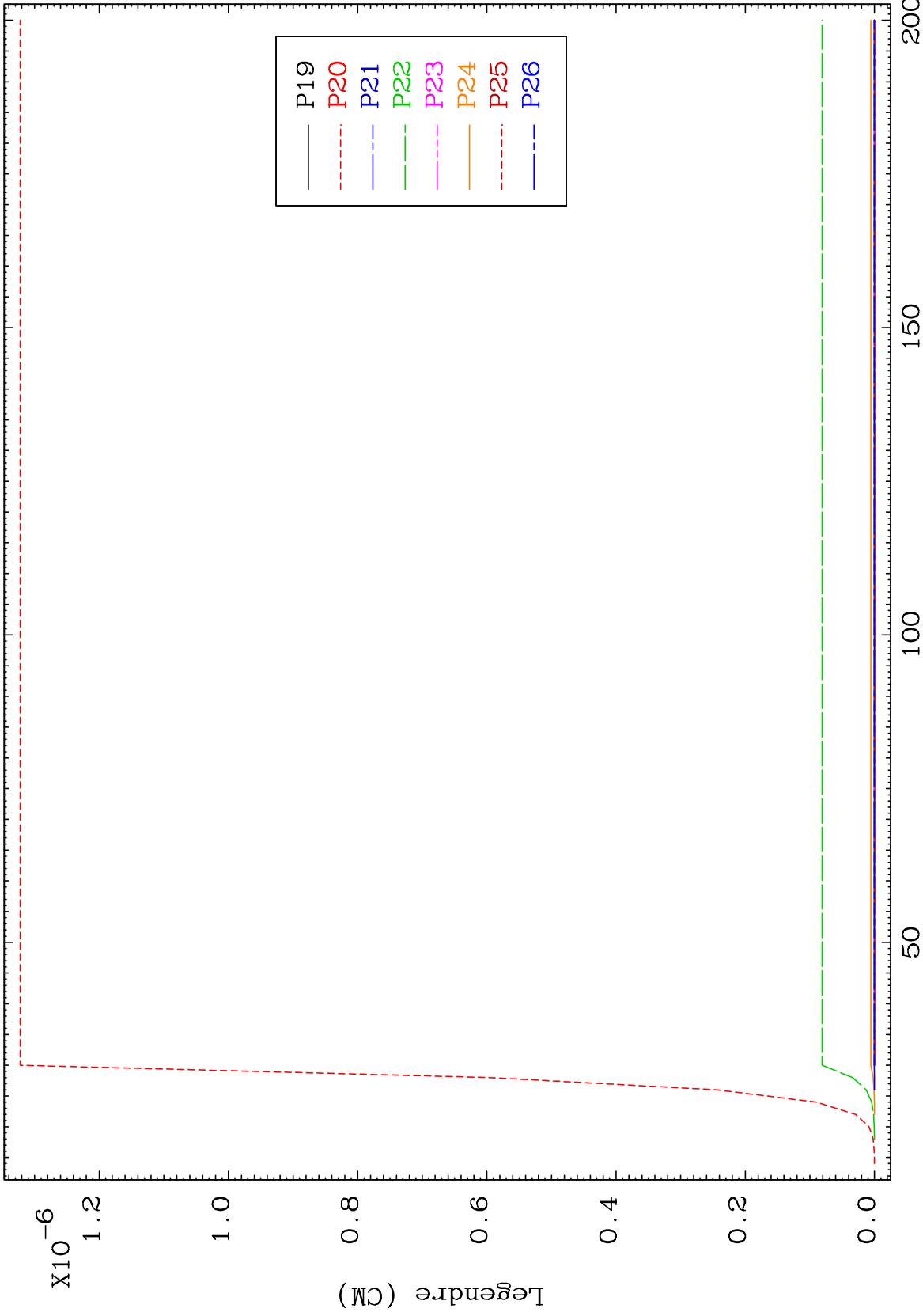
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



32

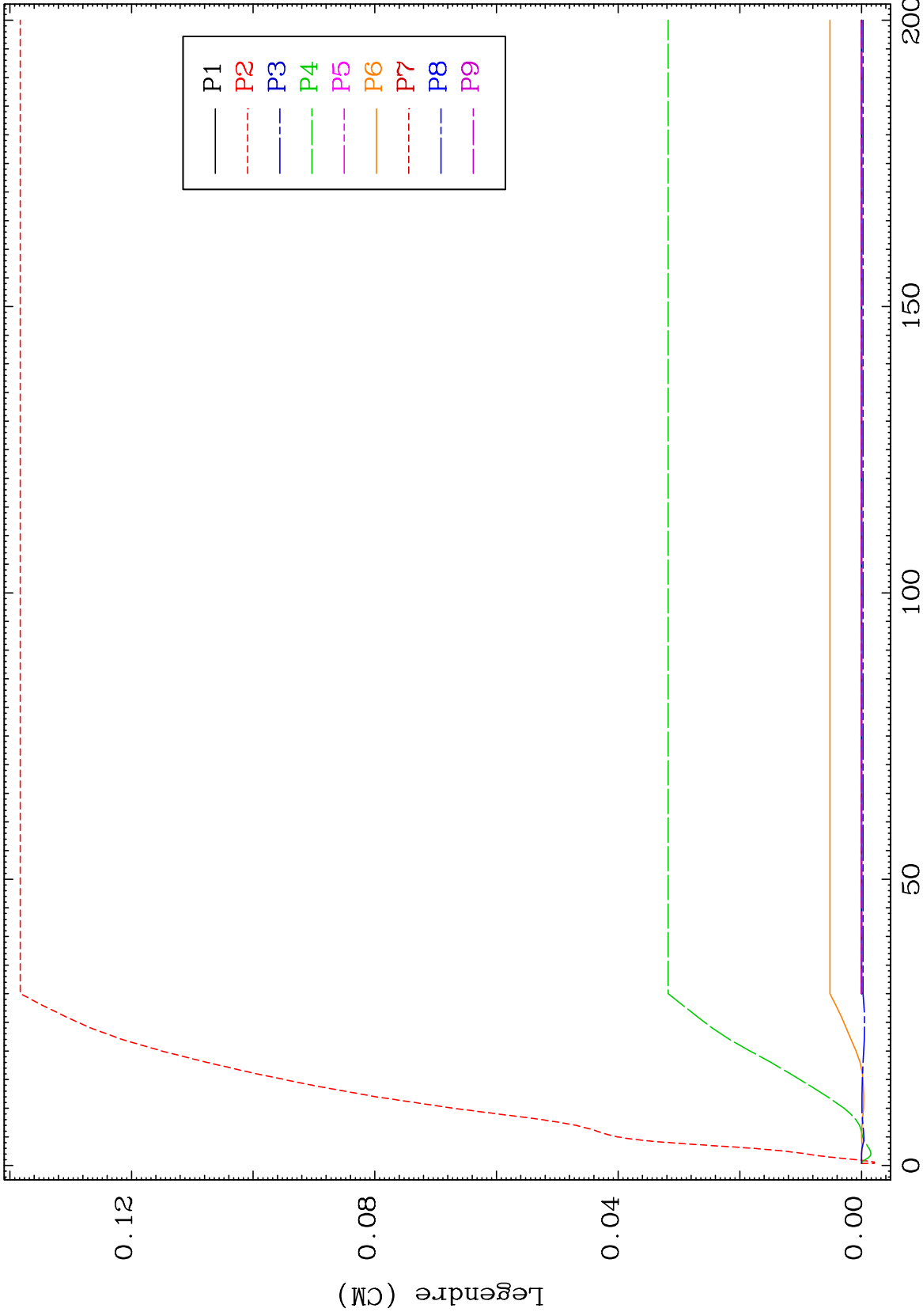
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



33

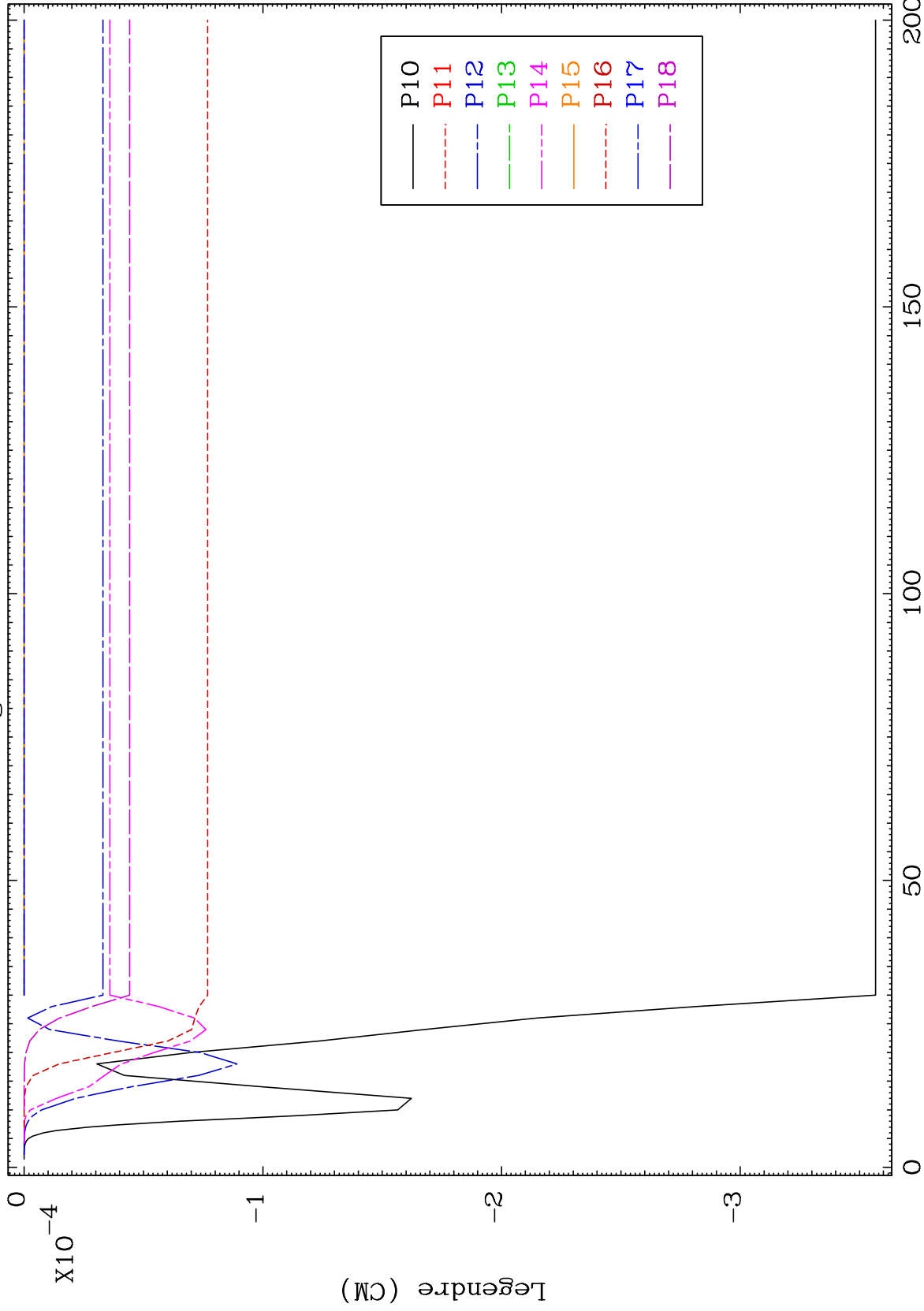
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



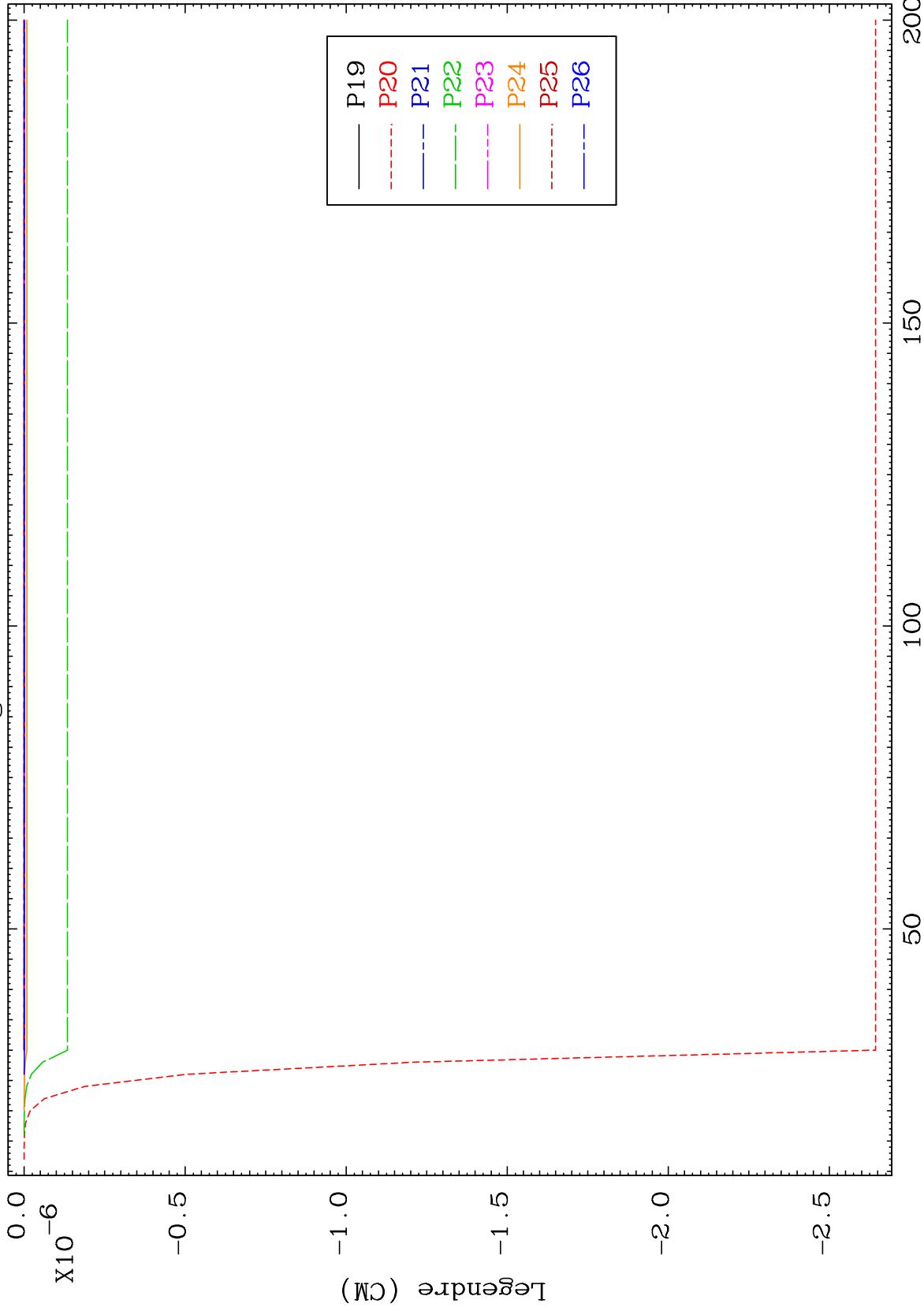
34

53-I -123

MAT 5313

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

53-I -123



35

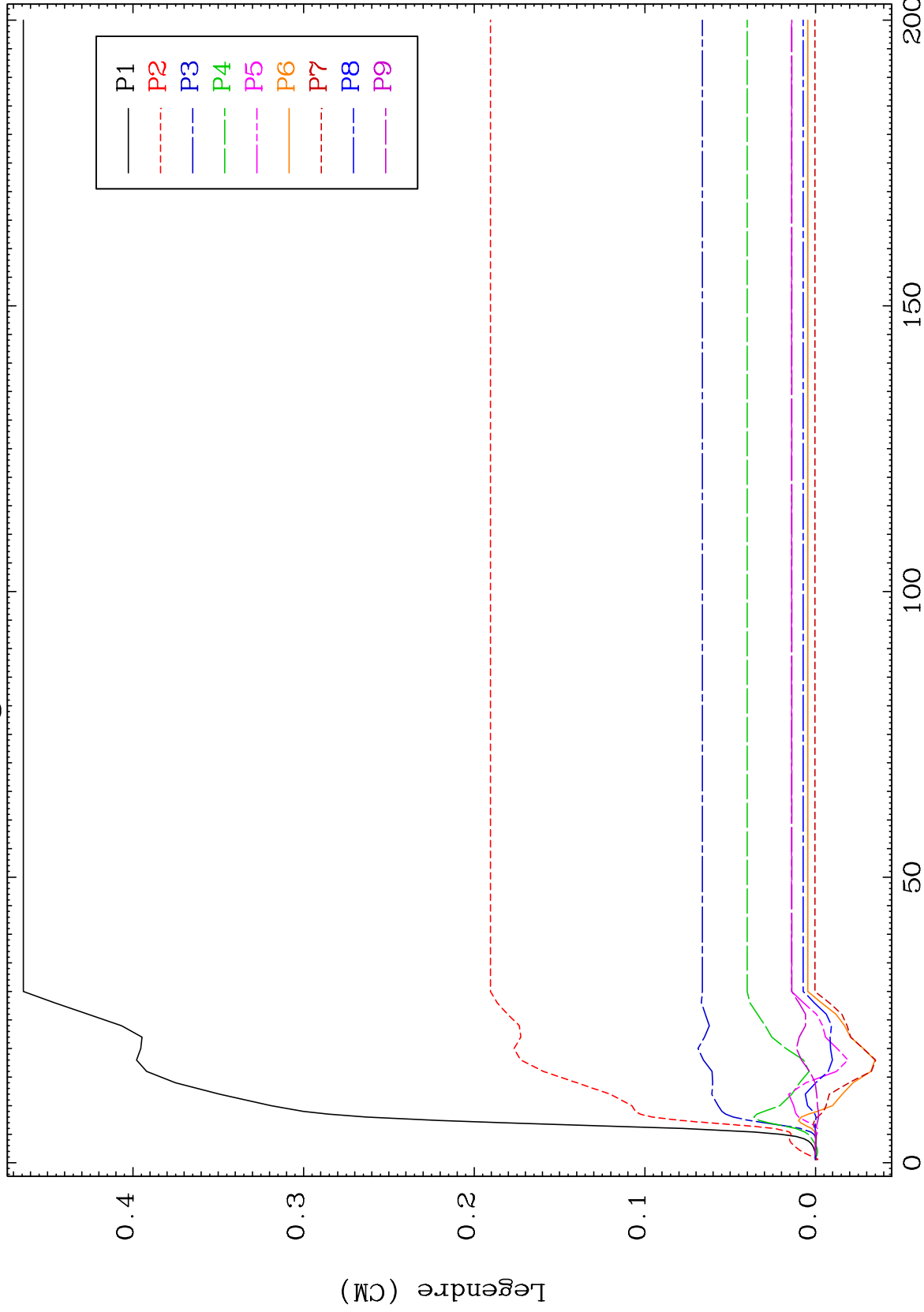
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



36

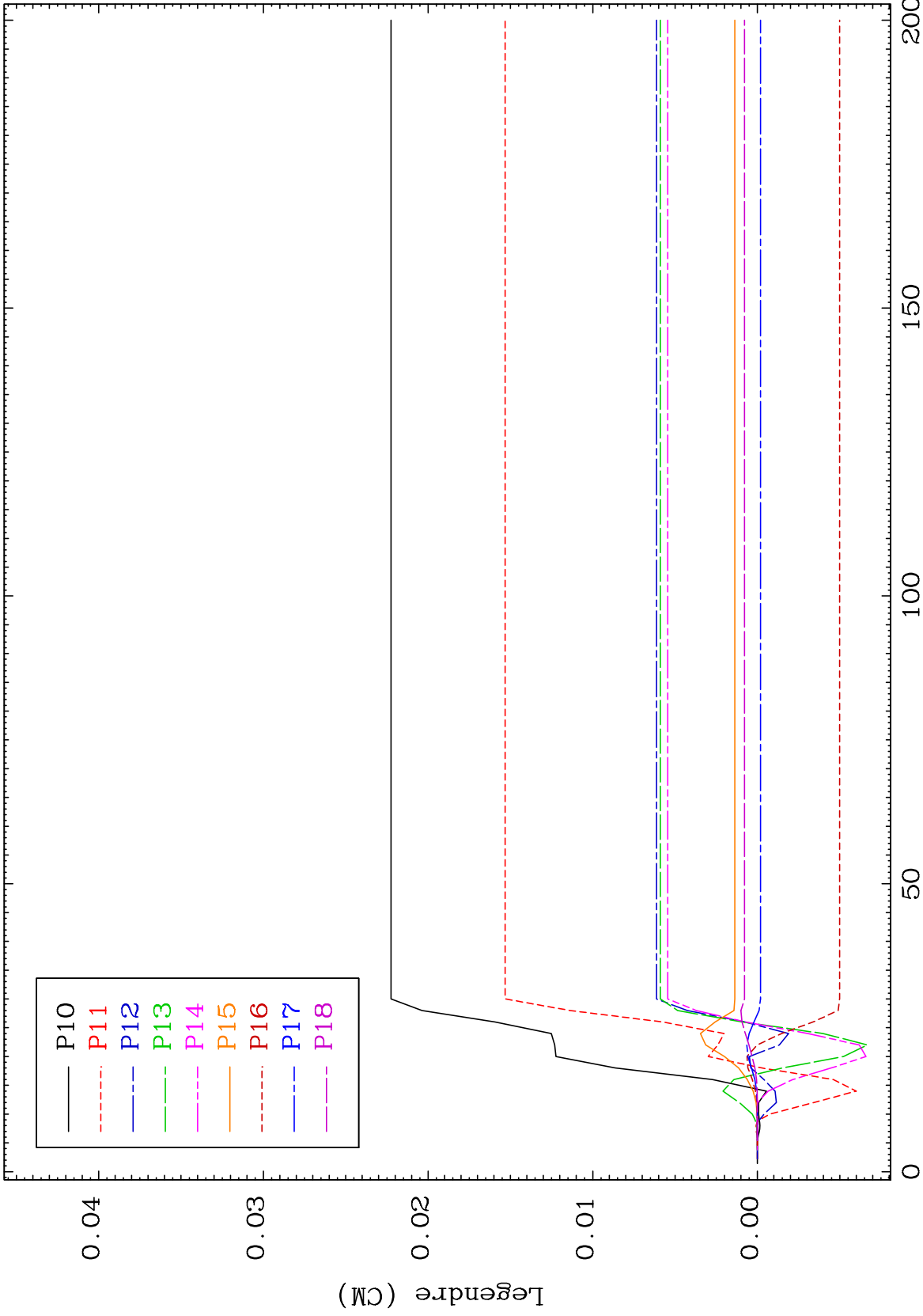
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



37

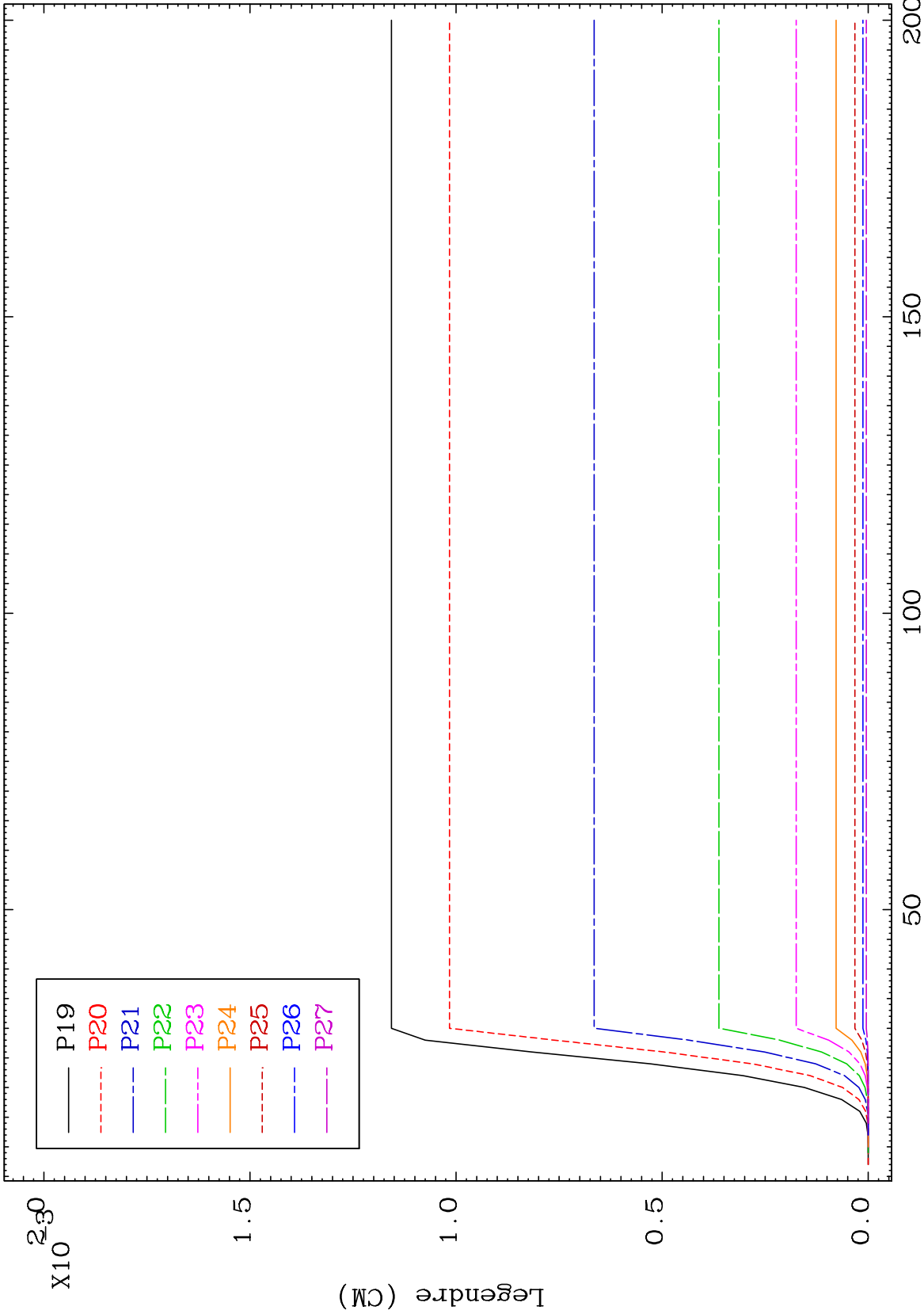
Incident Energy (MeV)

53-I -123

MAT 5313

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

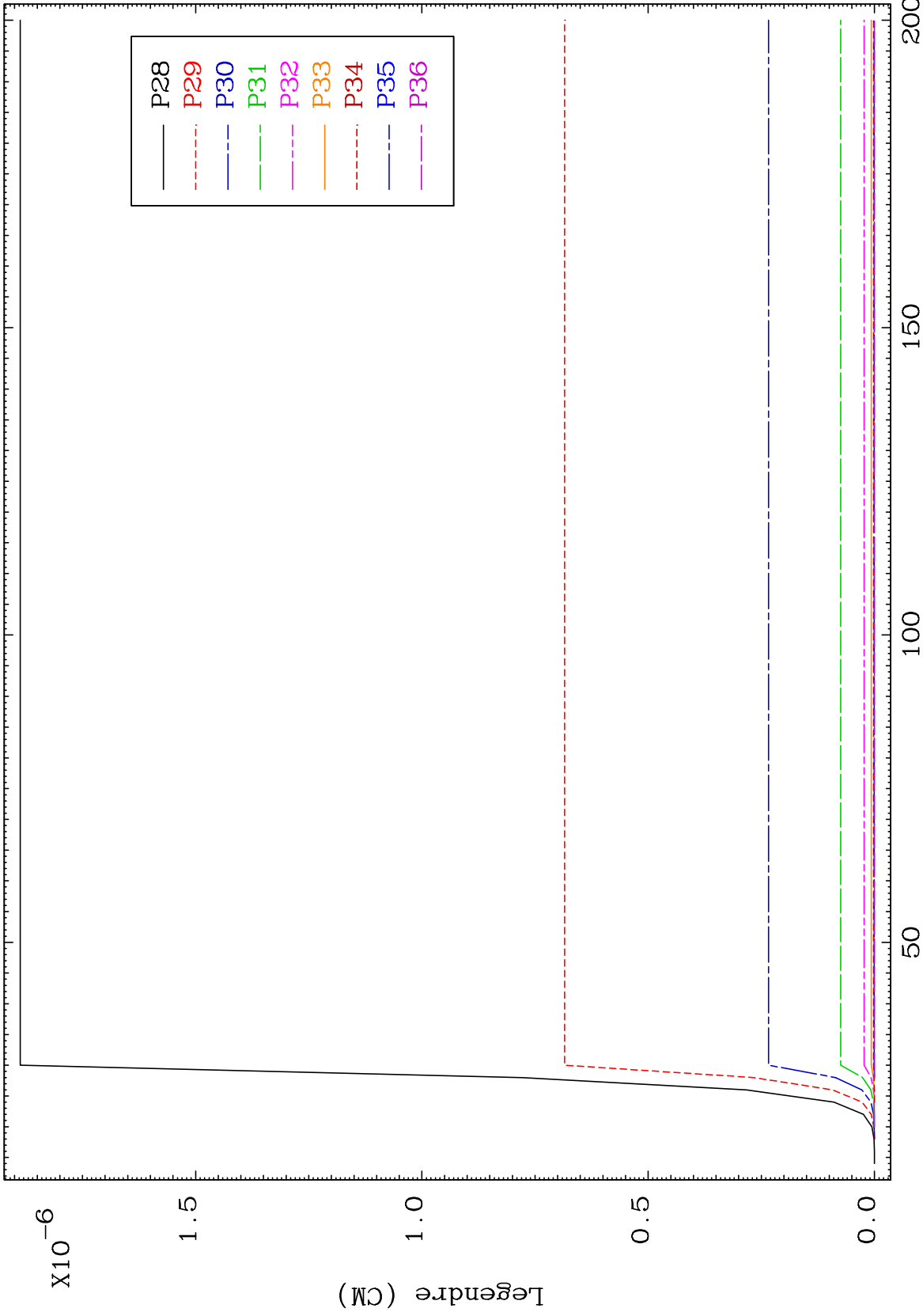
53-I -123



38

Incident Energy (MeV)

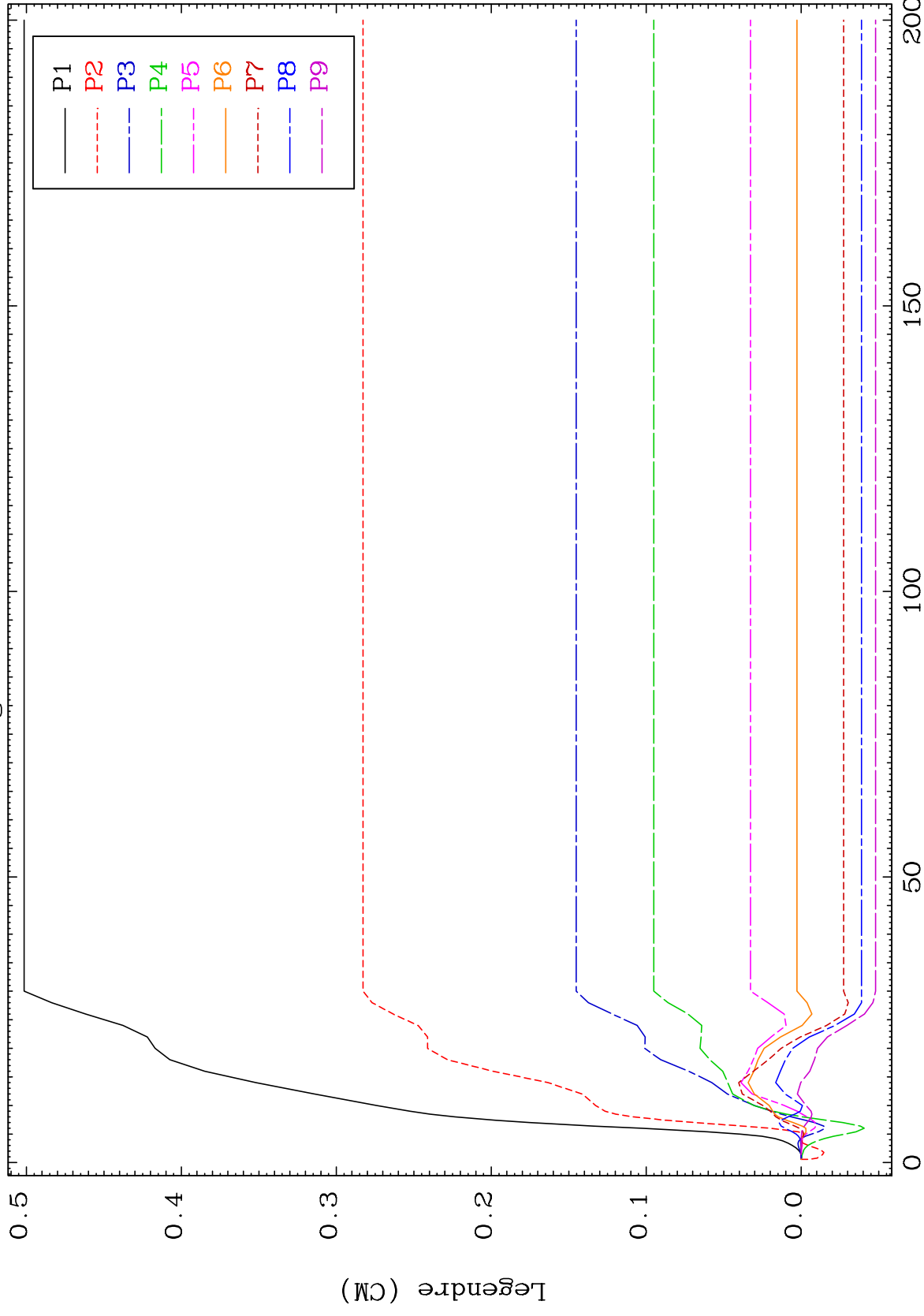
53-I -123



MAT 5313

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

53-I -123



40

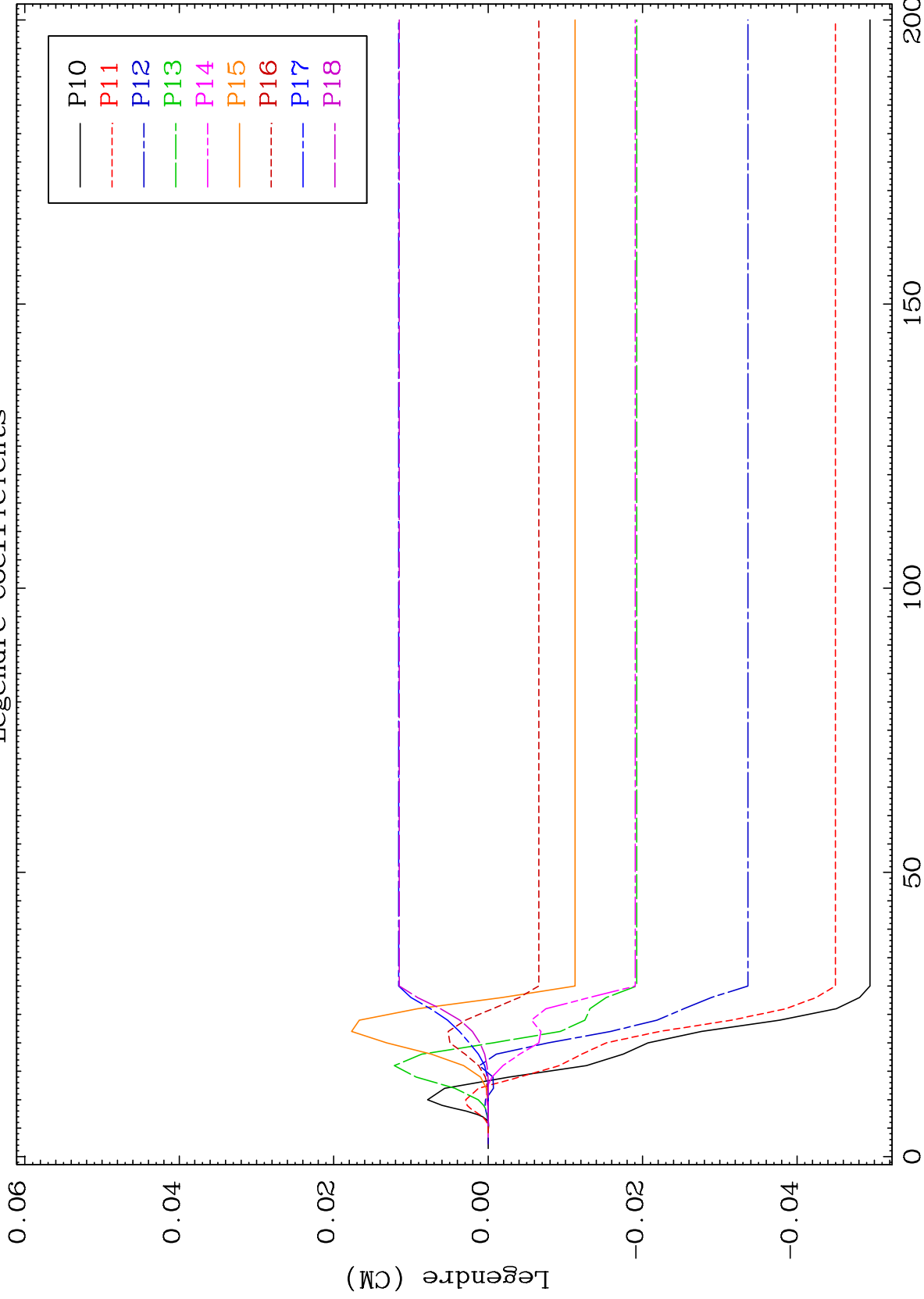
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



41

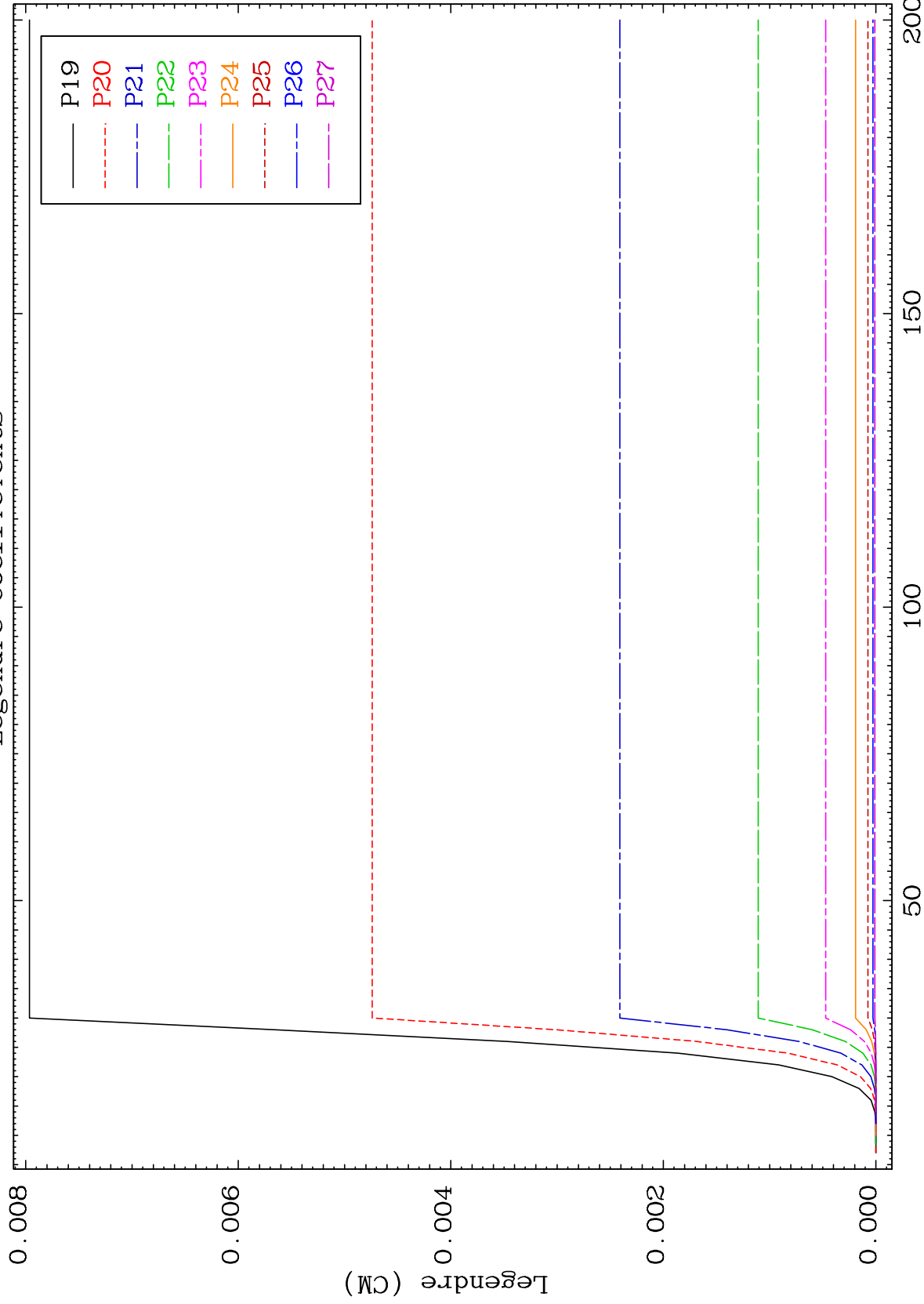
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



42

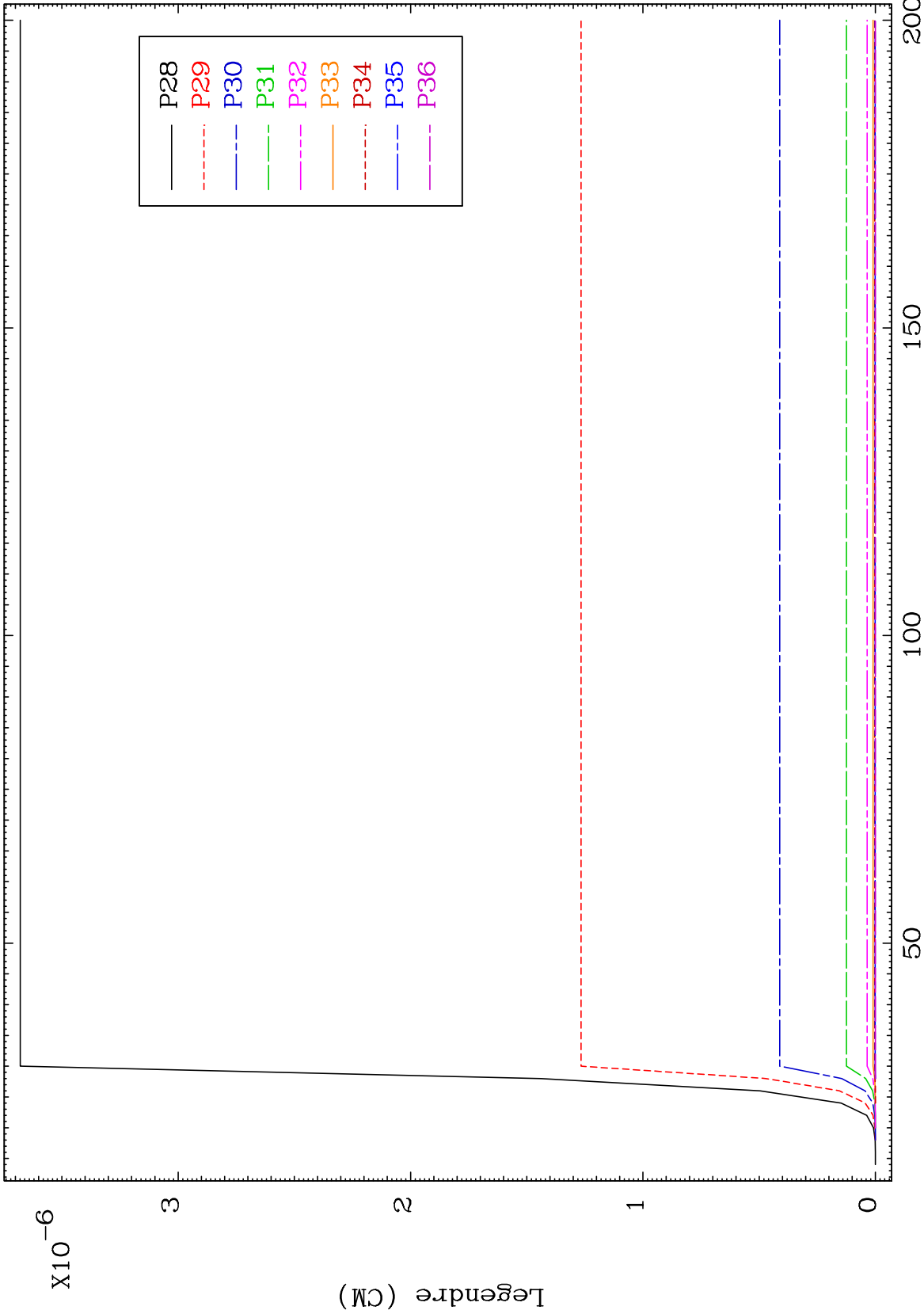
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



43

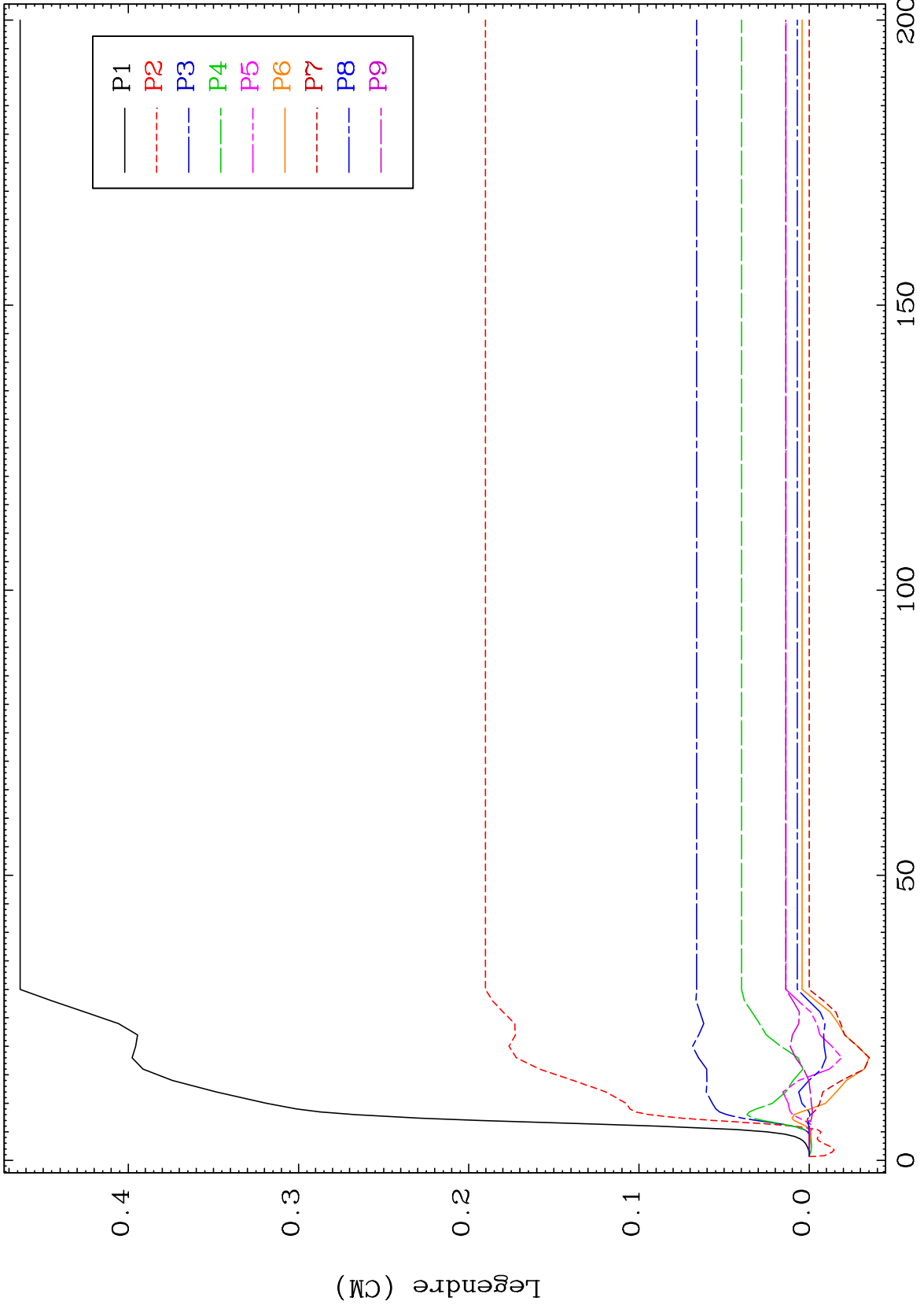
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



44

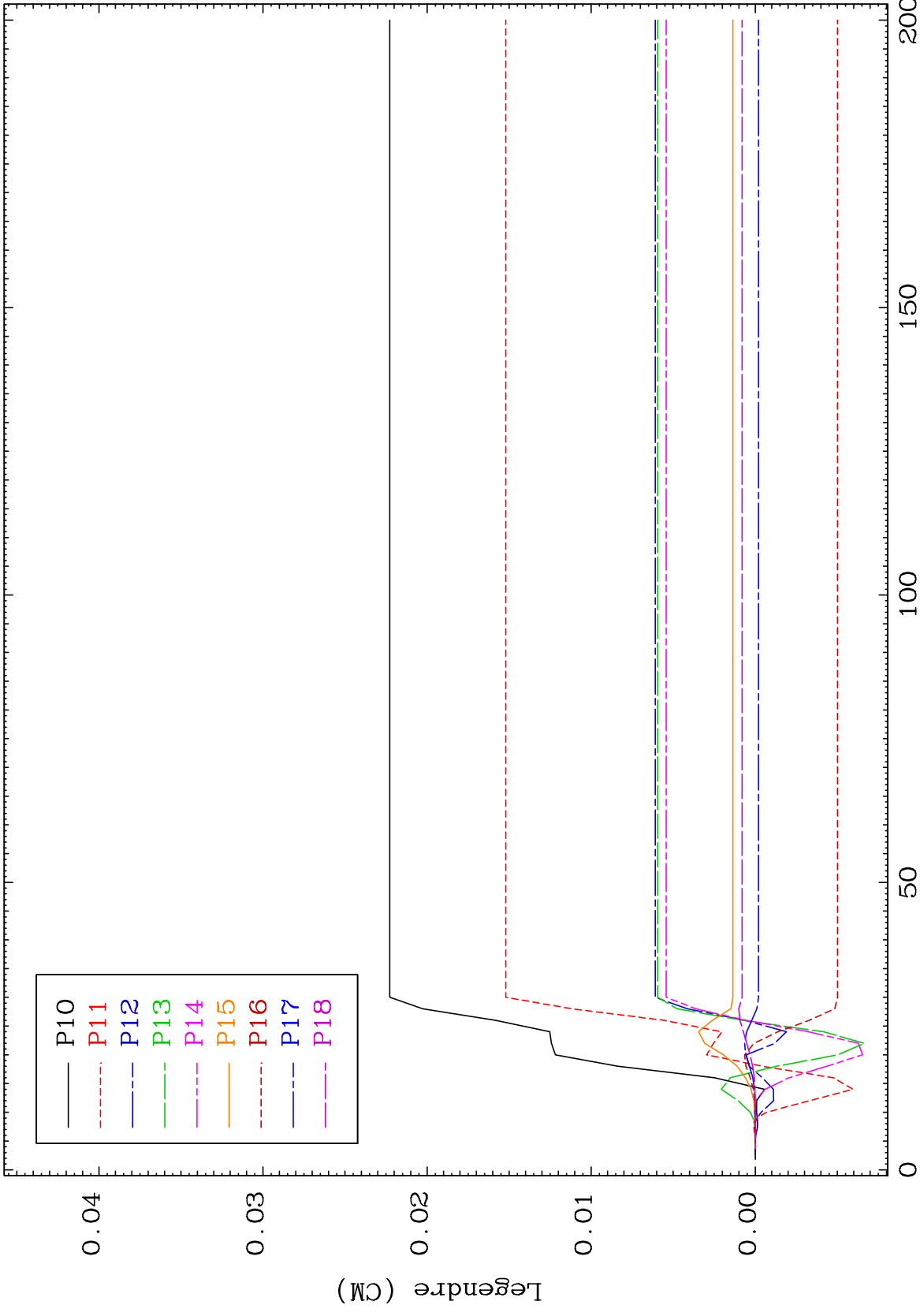
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



45

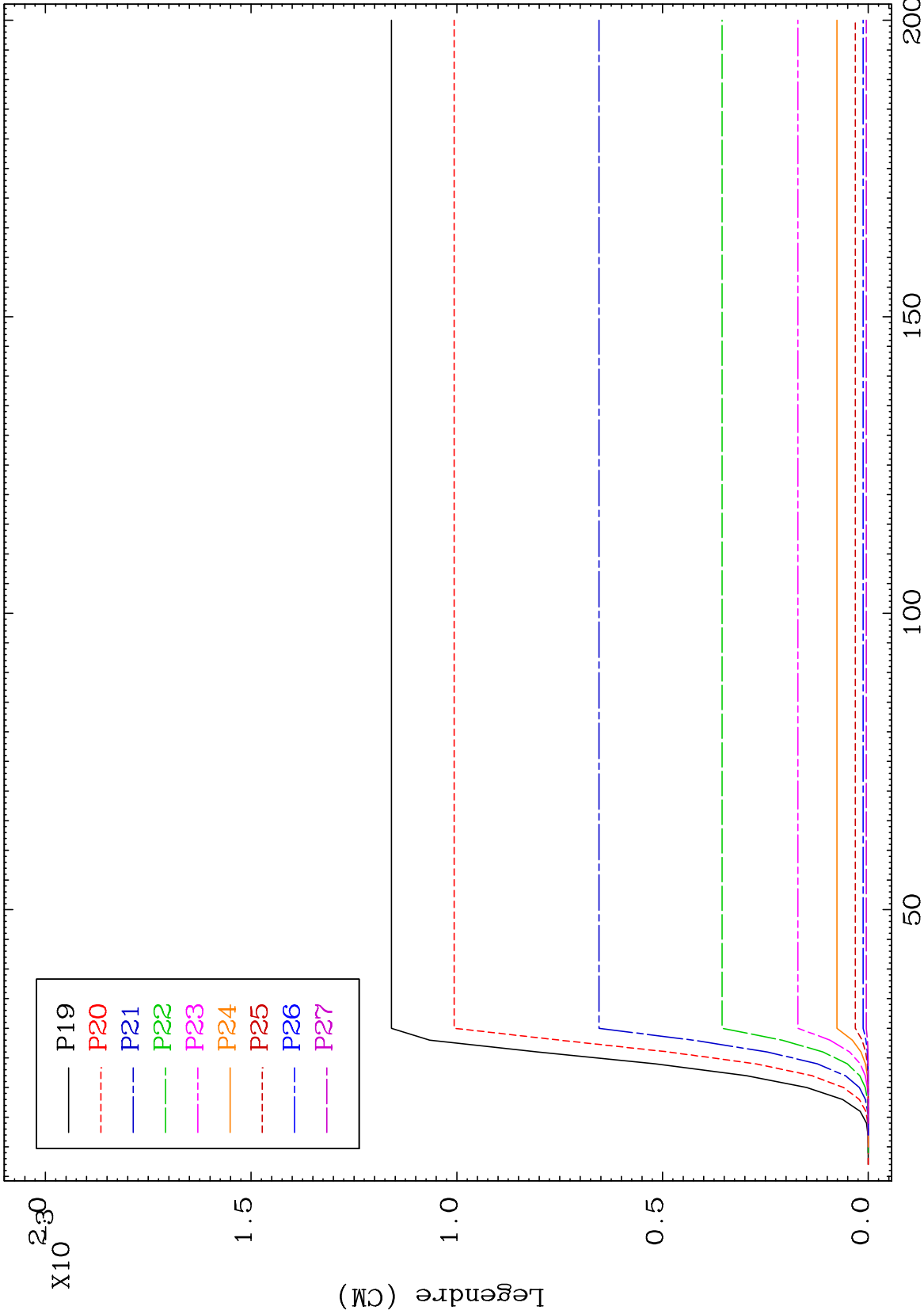
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



46

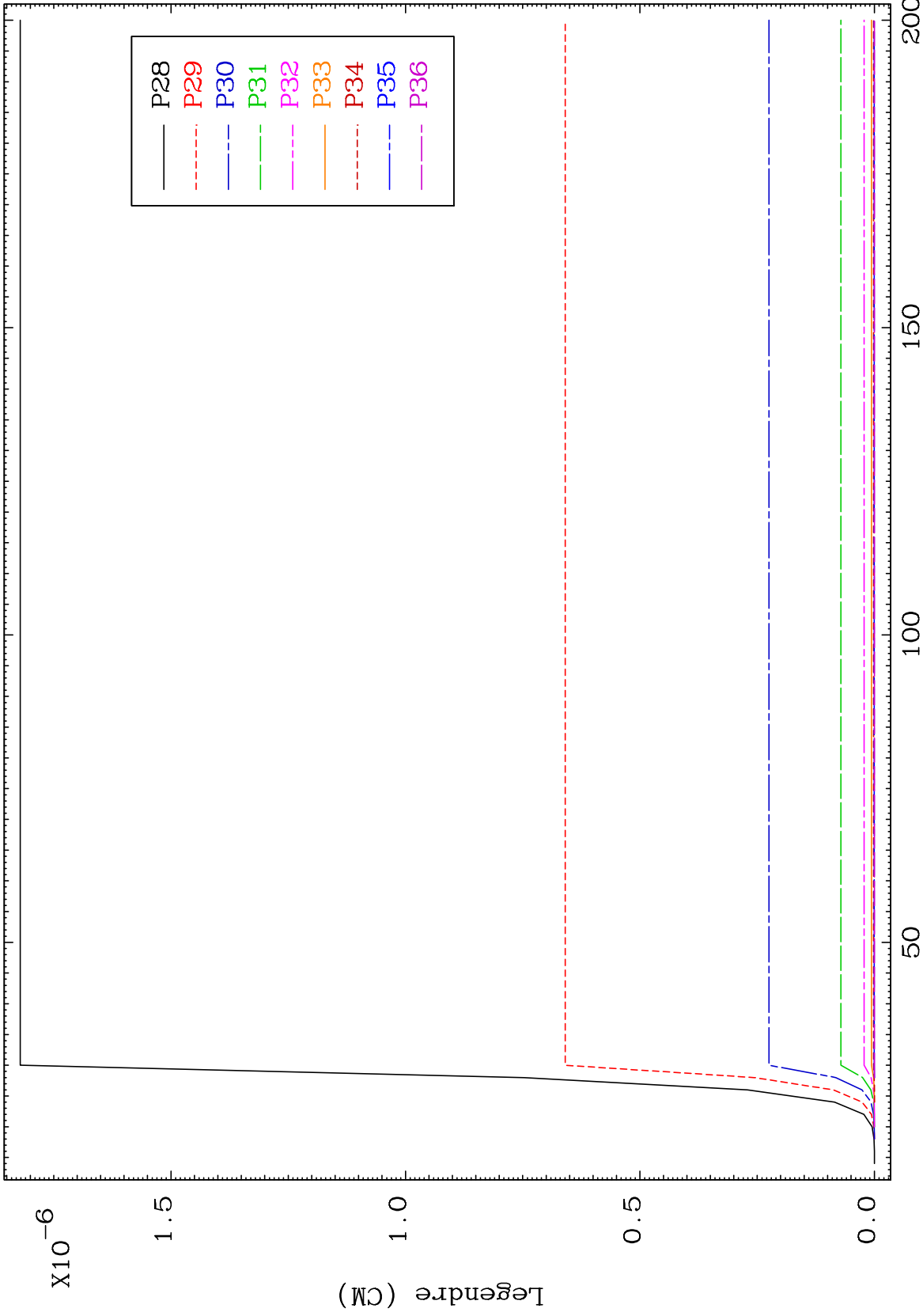
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



47

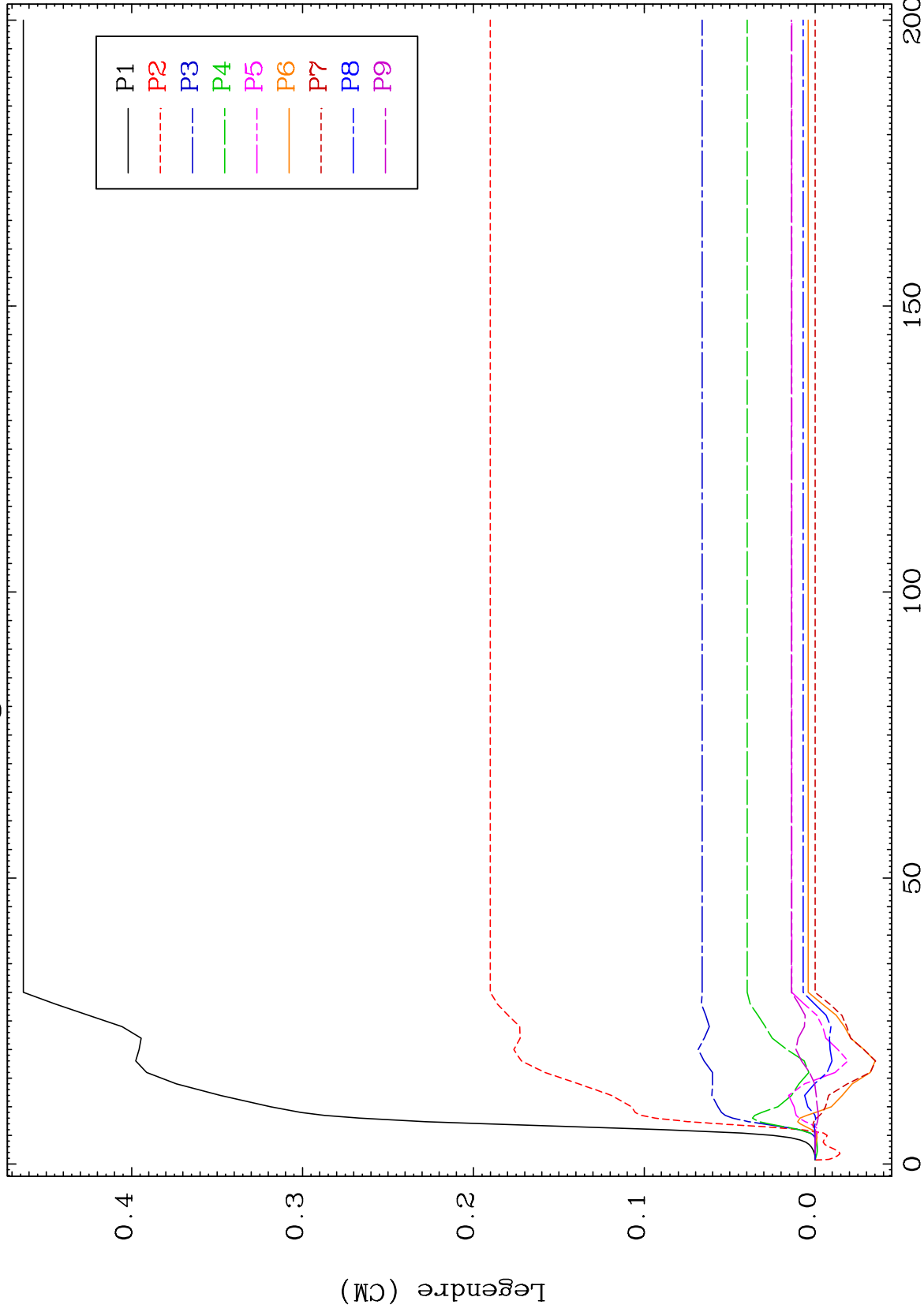
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



48

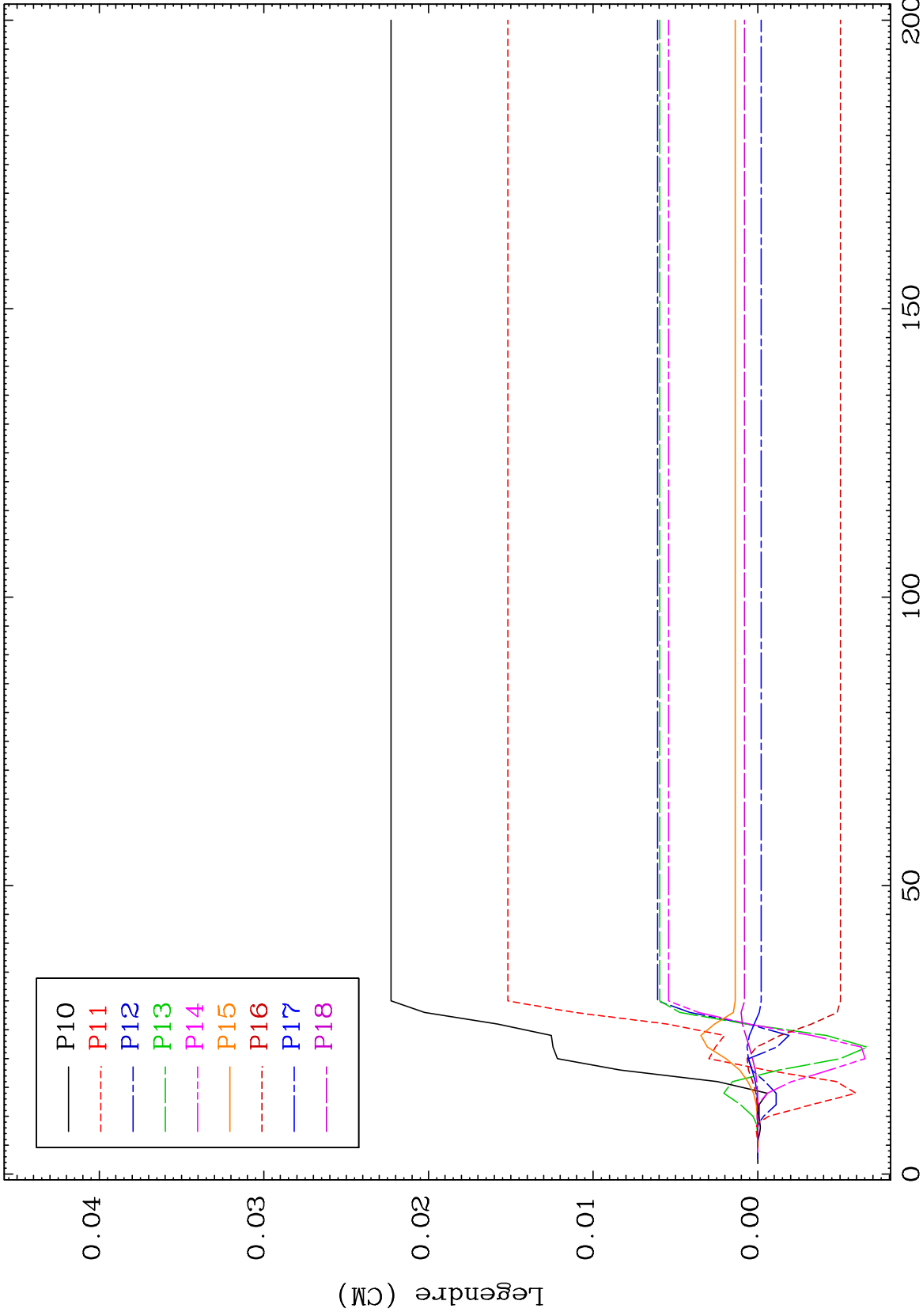
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



49

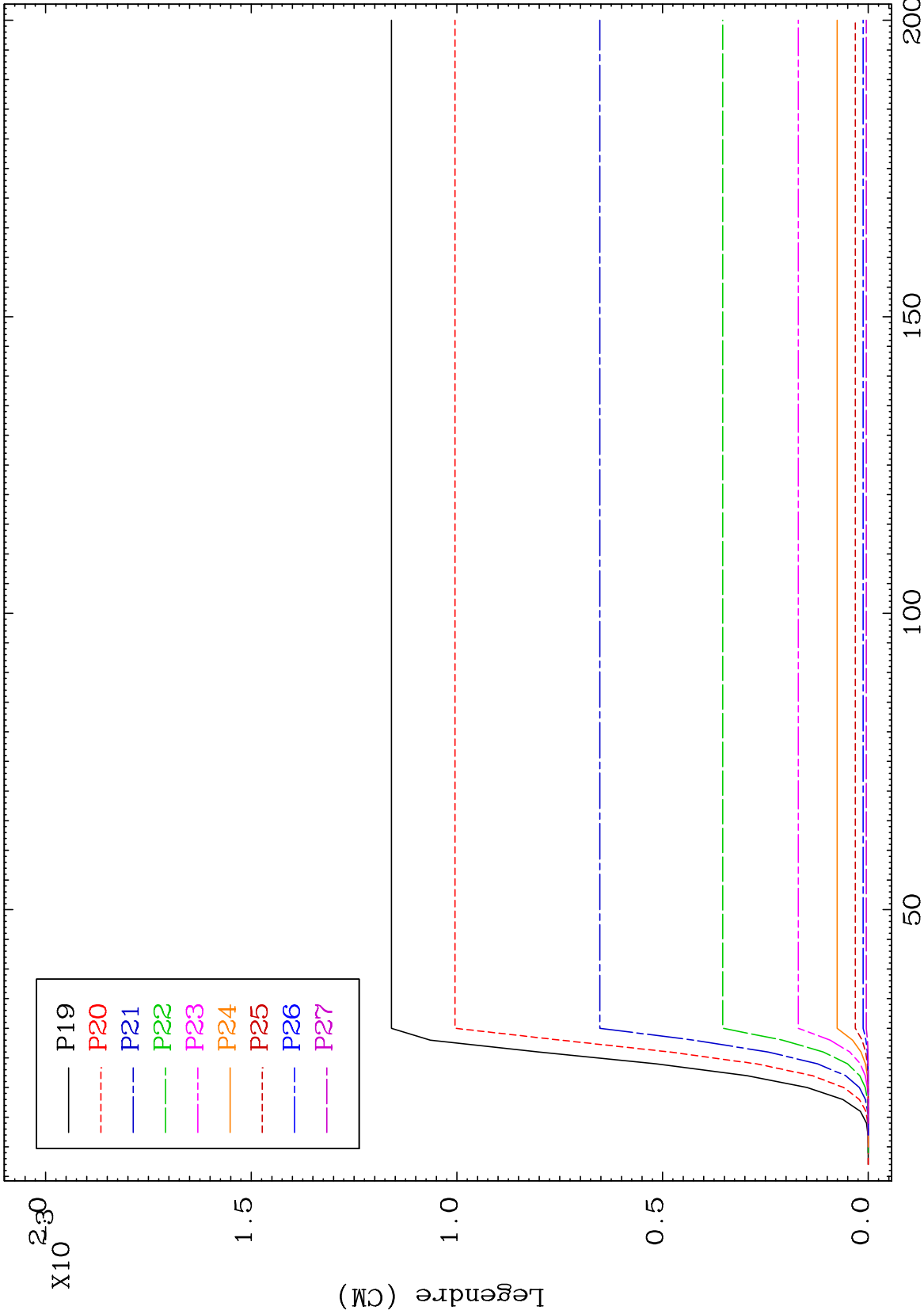
Incident Energy (MeV)

53-I -123

MAT 5313

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

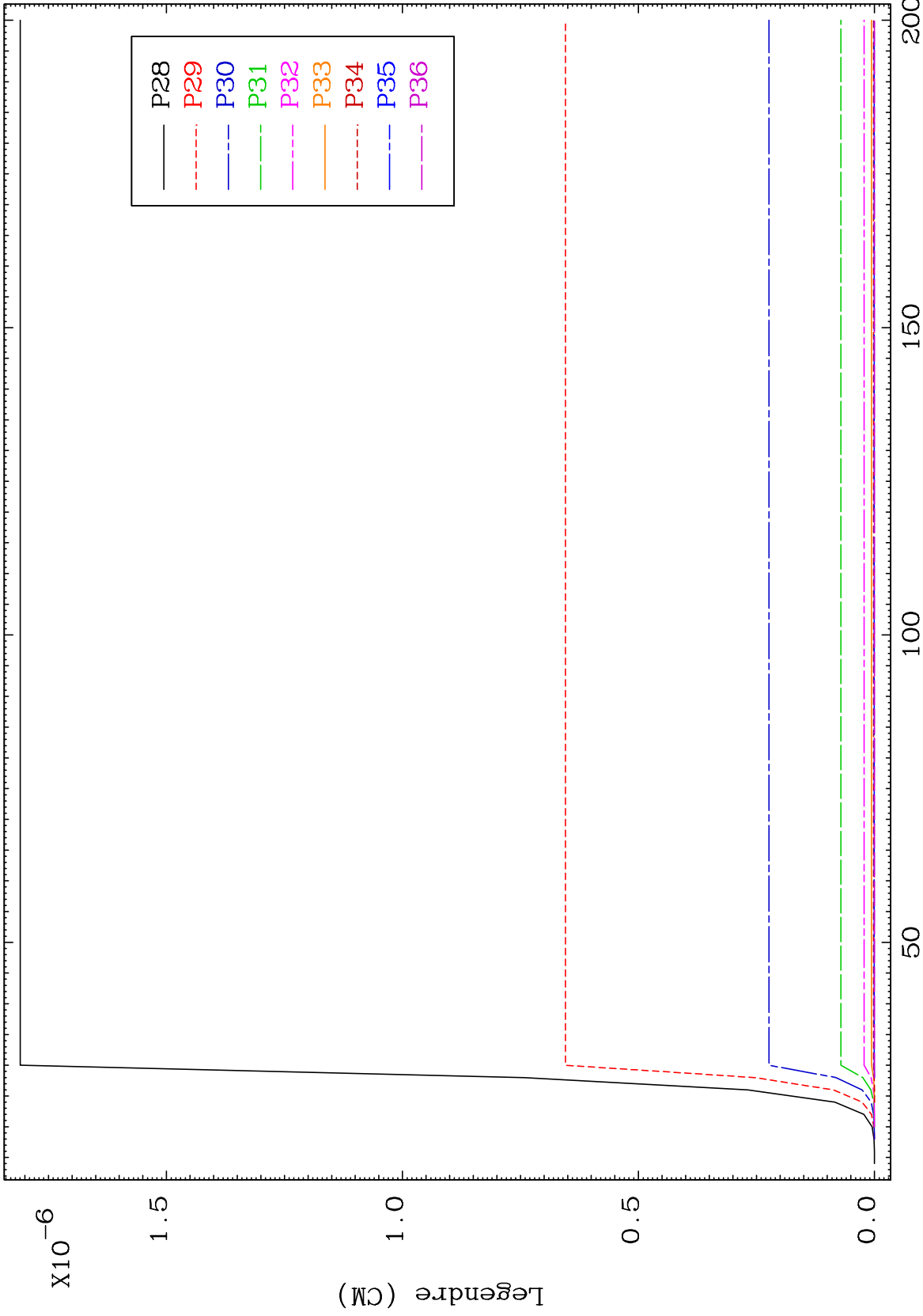
53-I -123



50

Incident Energy (MeV)

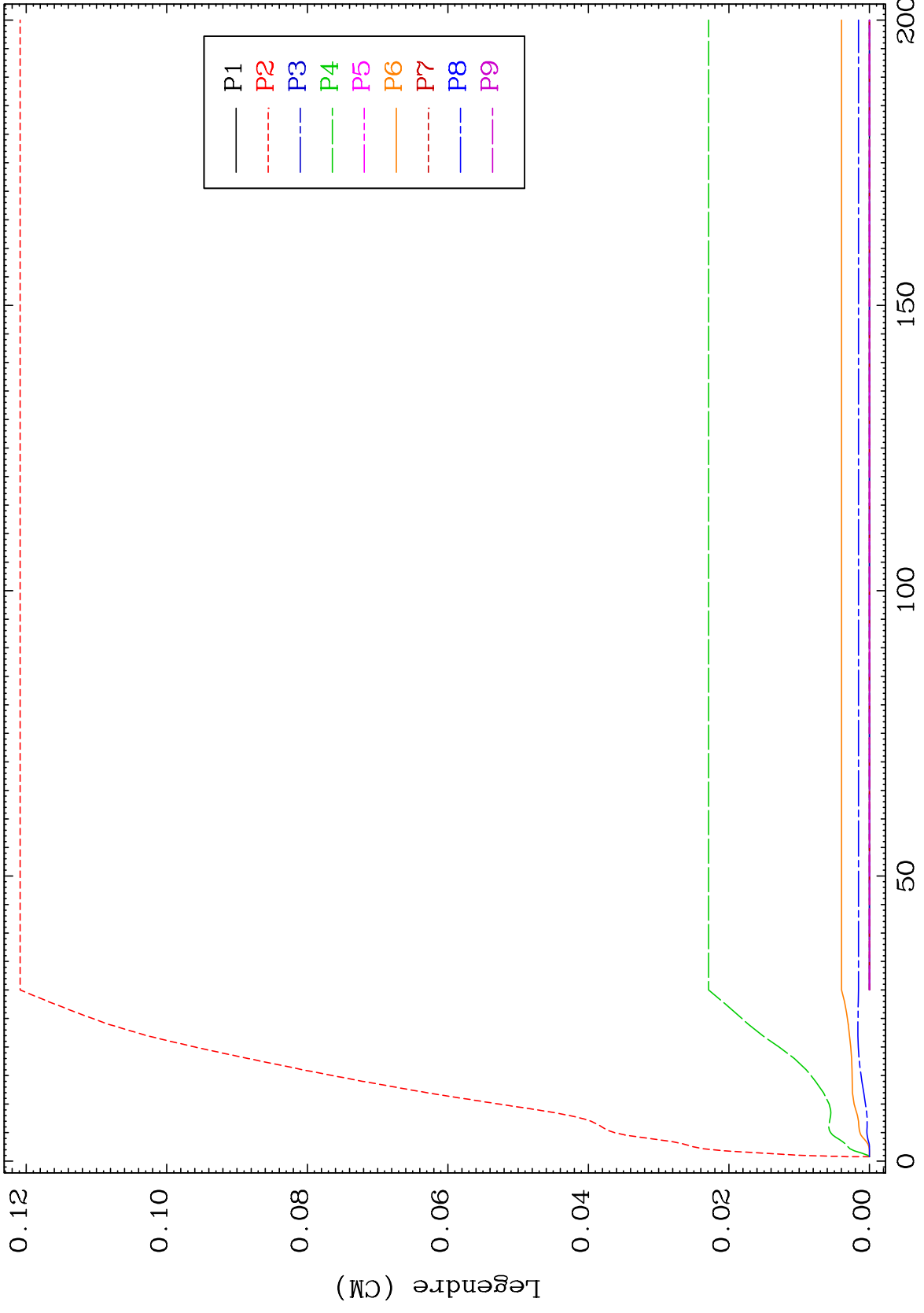
53-I -123



MAT 5313

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

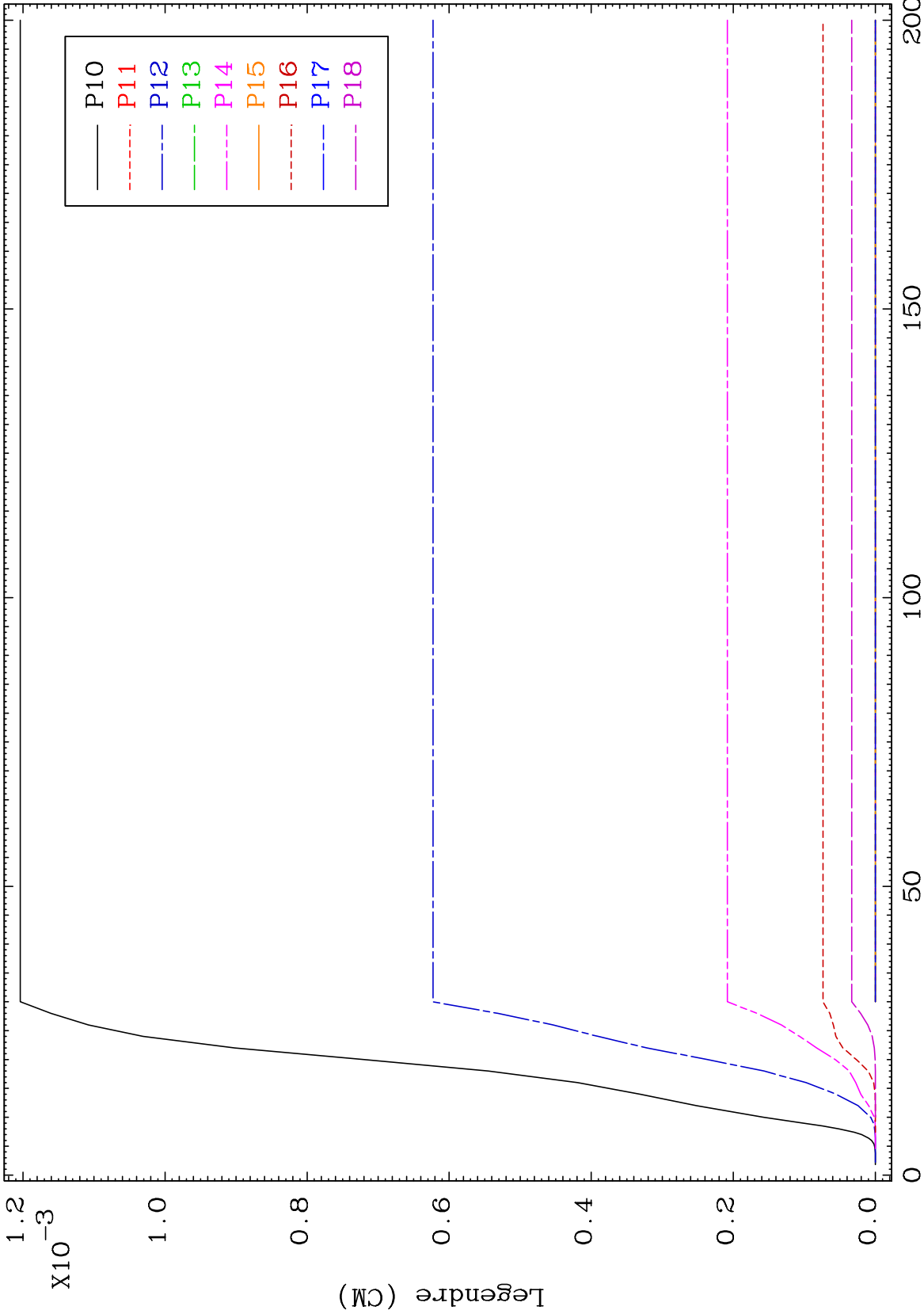
53-I -123



52

Incident Energy (MeV)

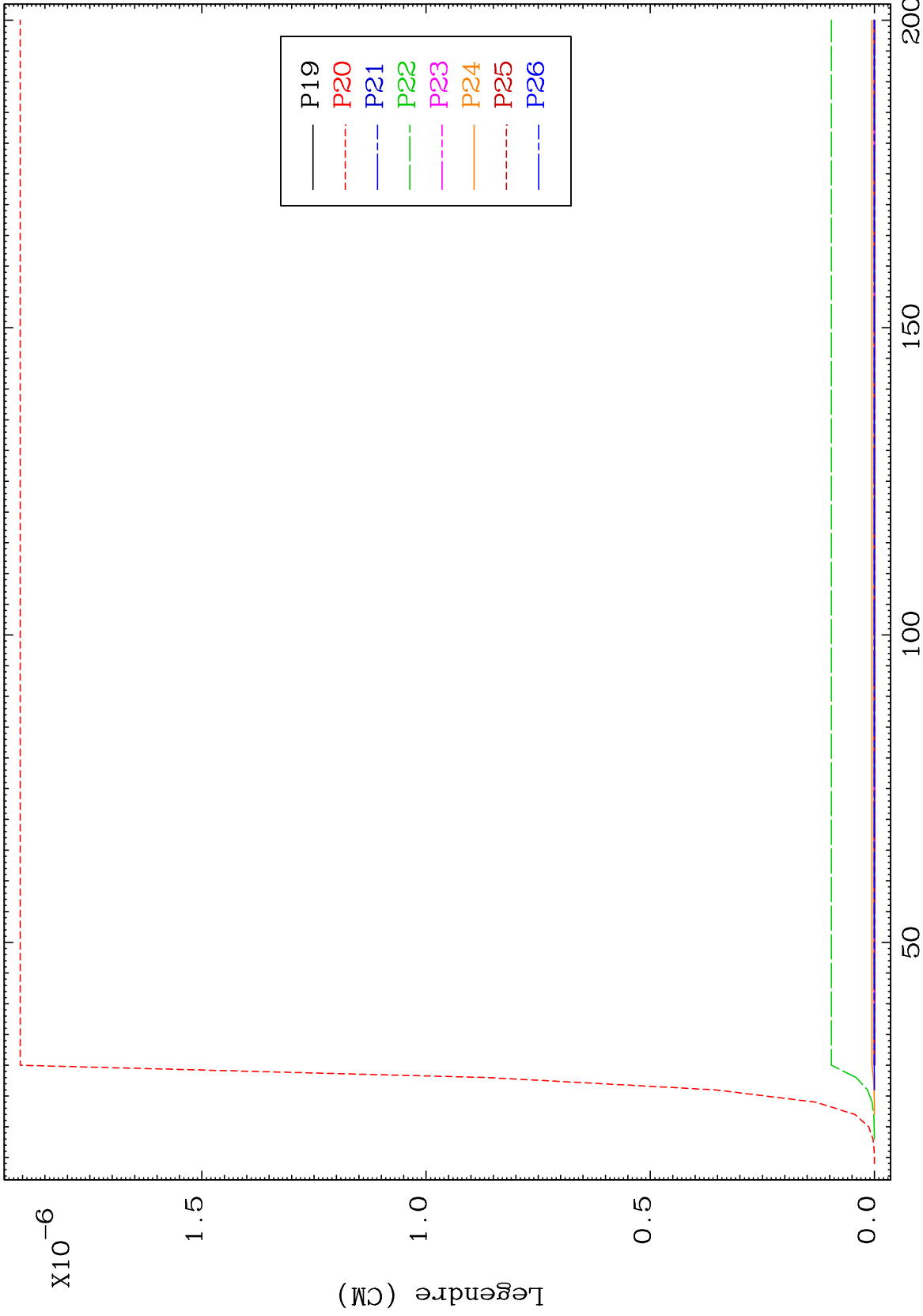
53-I -123



MAT 5313

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

53-I -123



54

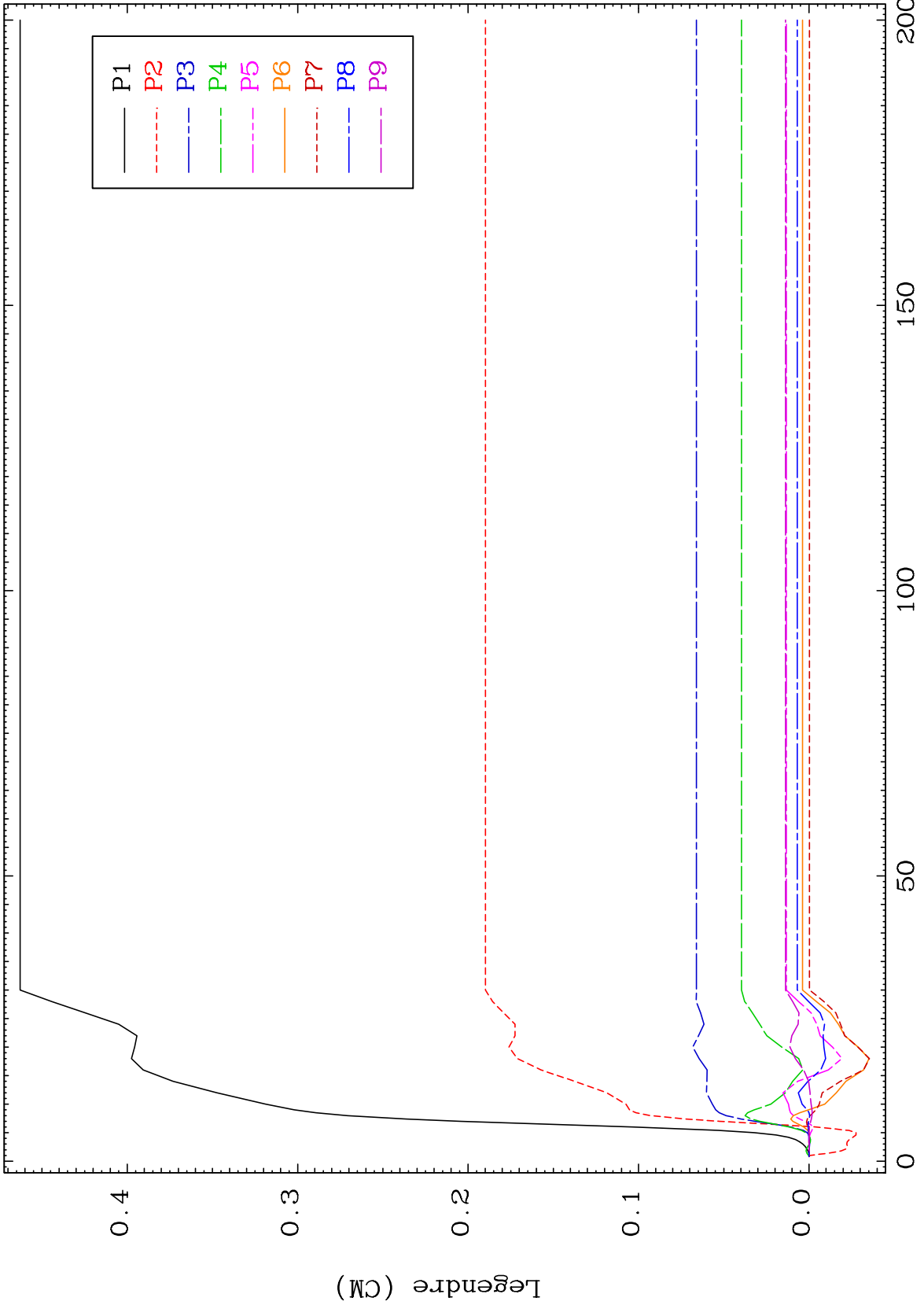
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



55

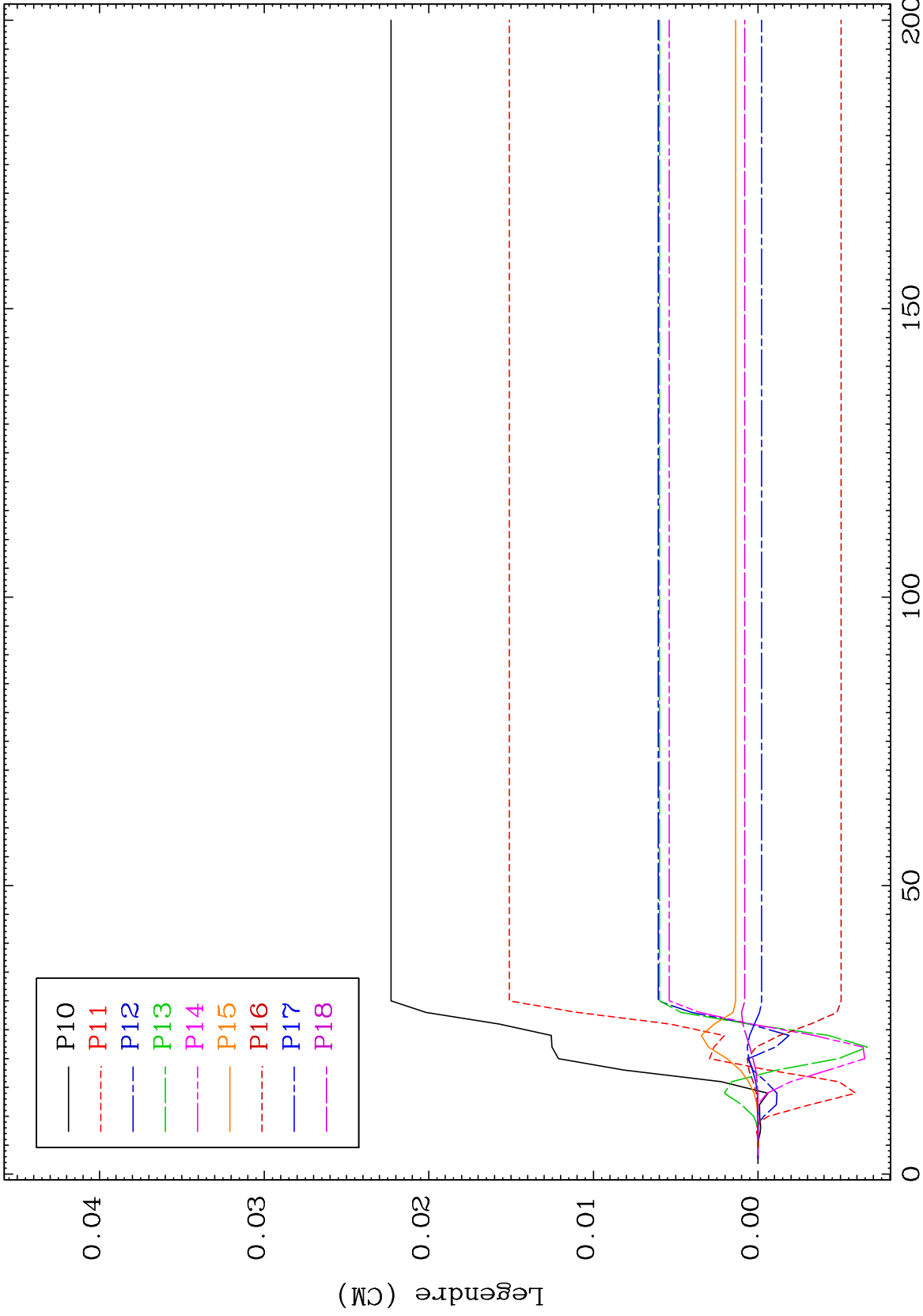
Incident Energy (MeV)

53-I -123

MAT 5313

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

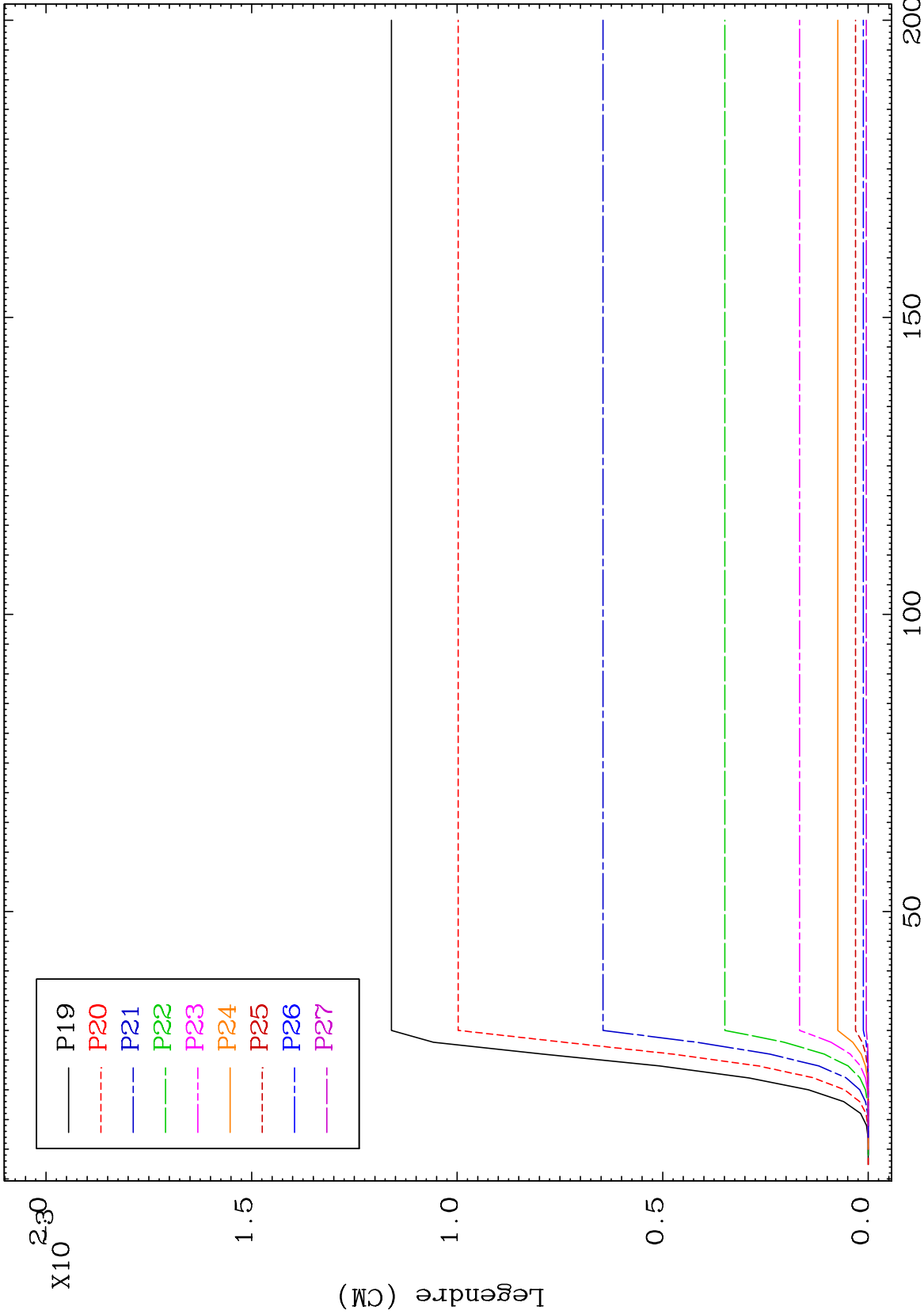
53-I -123



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Incident Energy (MeV)

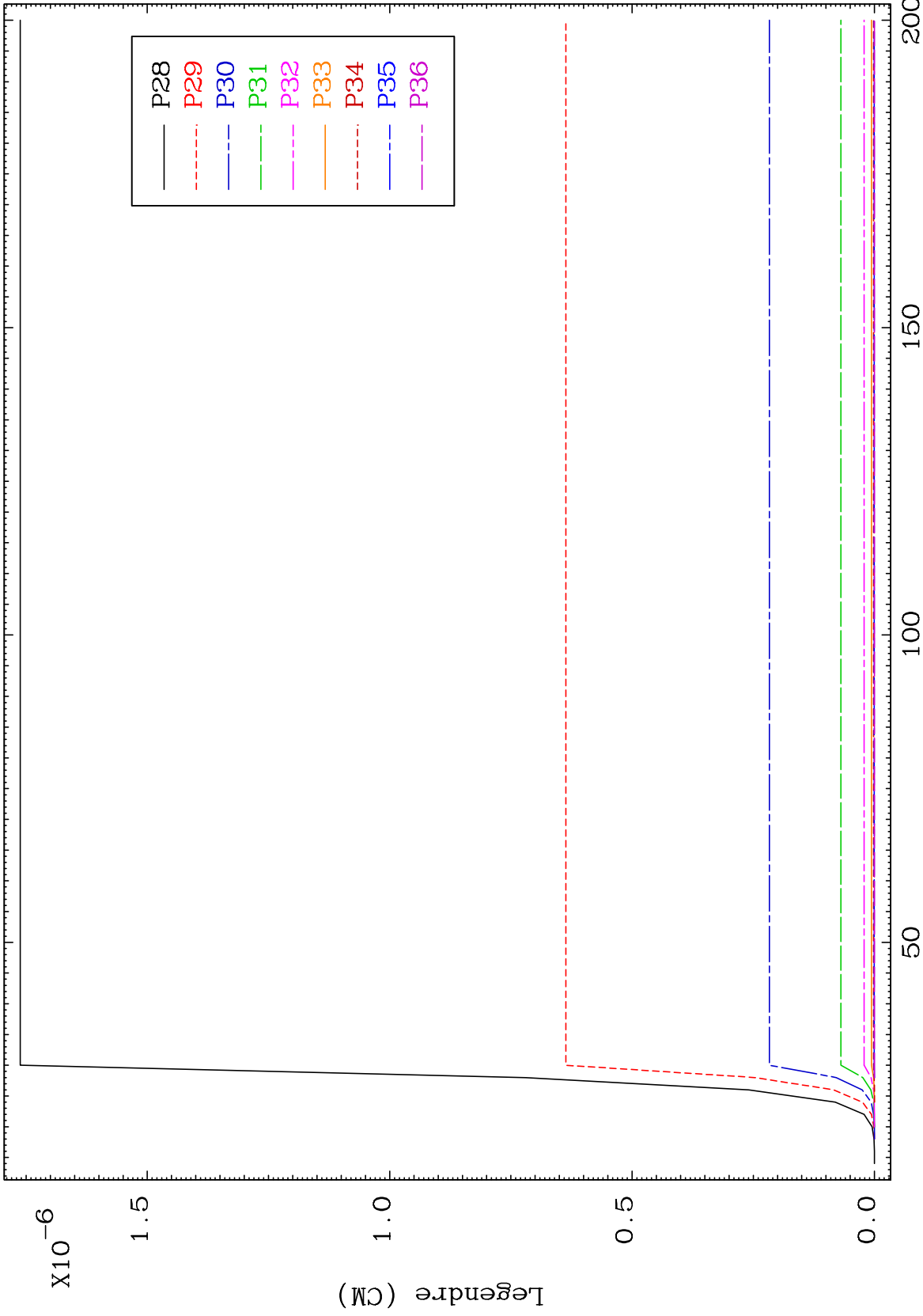
53-I -123



MAT 5313

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

53-I -123



58

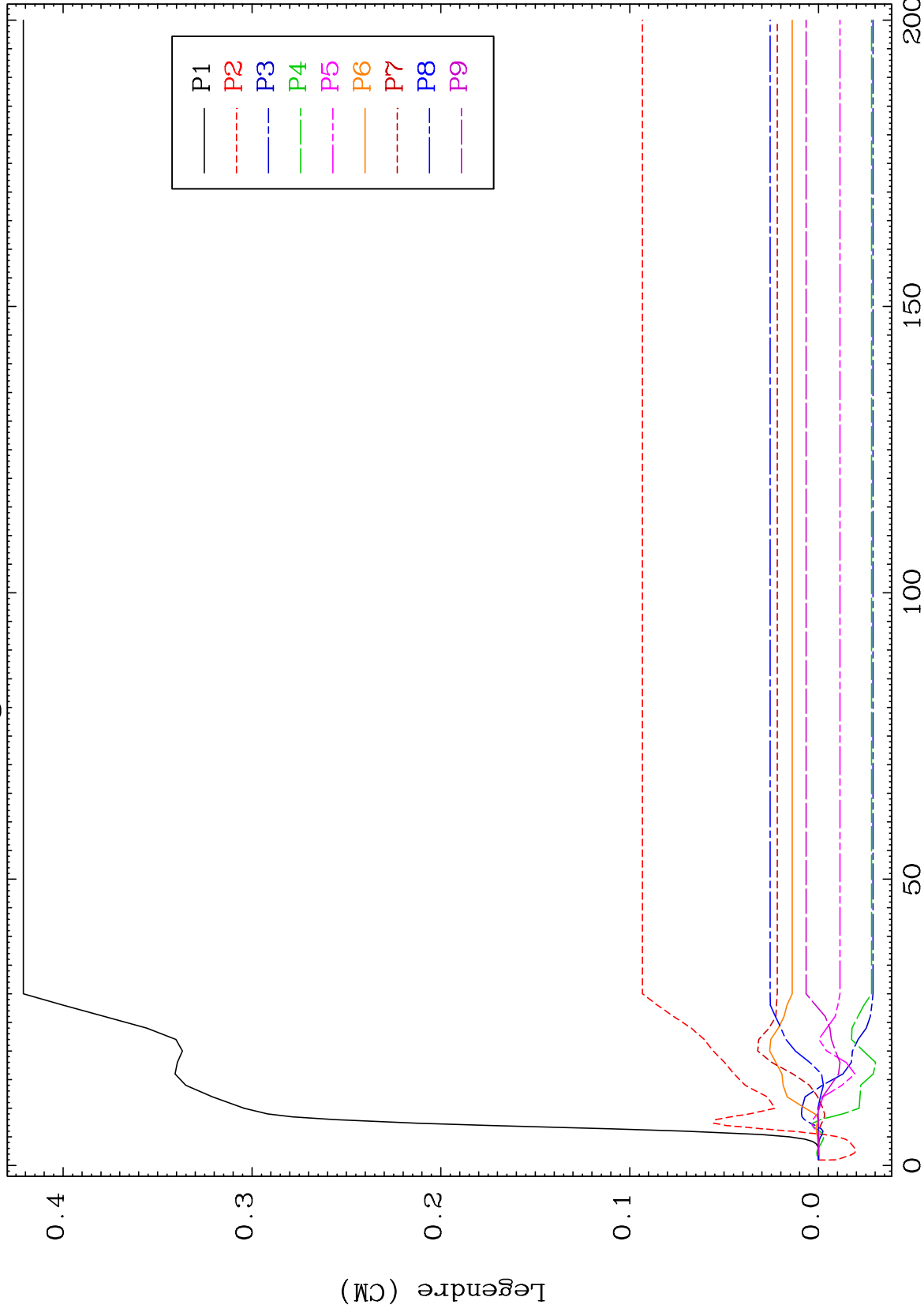
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



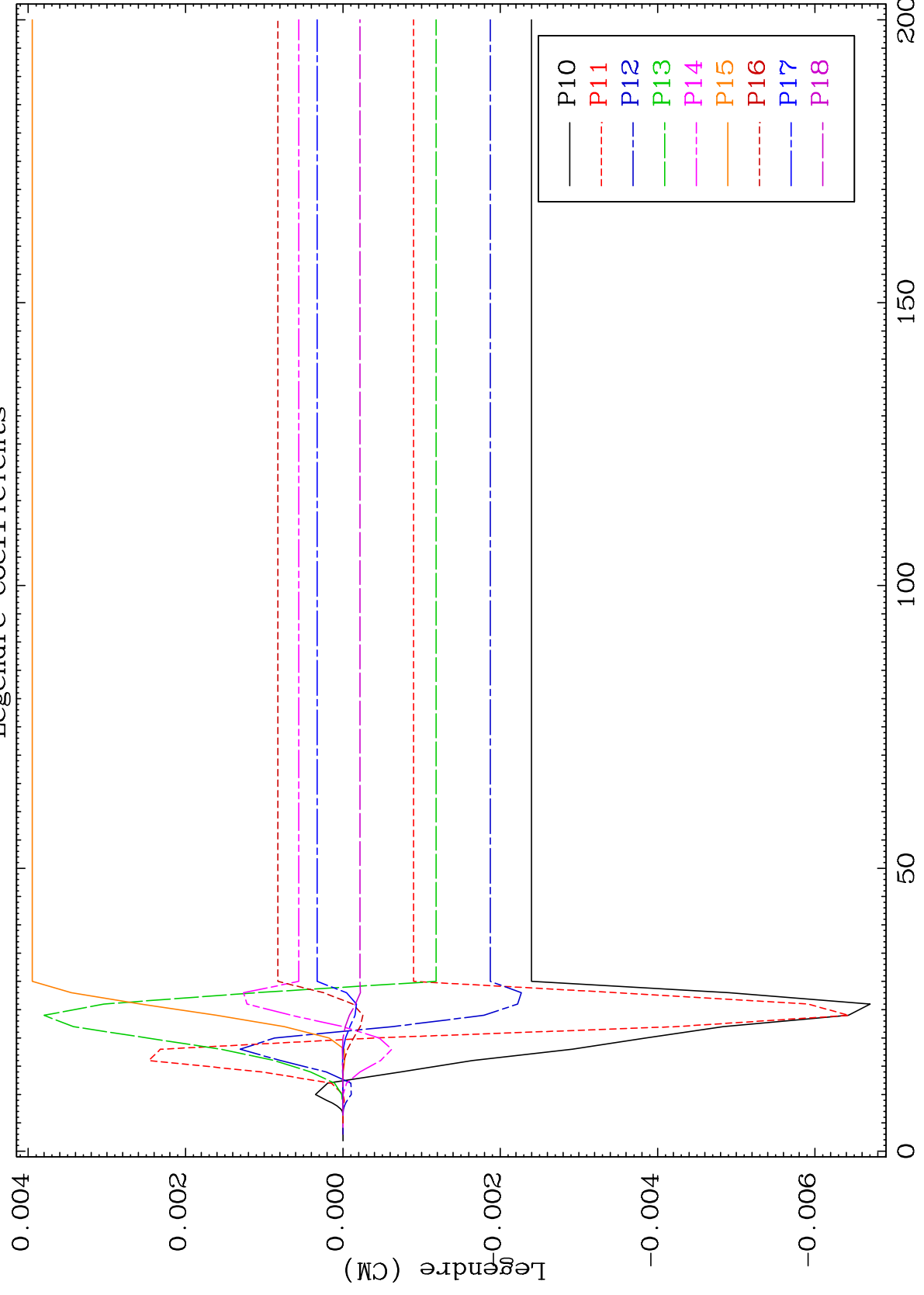
59

Incident Energy (MeV)

53-I -123

MAT 5313 MT= 62 (n,n') Level Legendre Coefficients

53-I -123



53-I -123

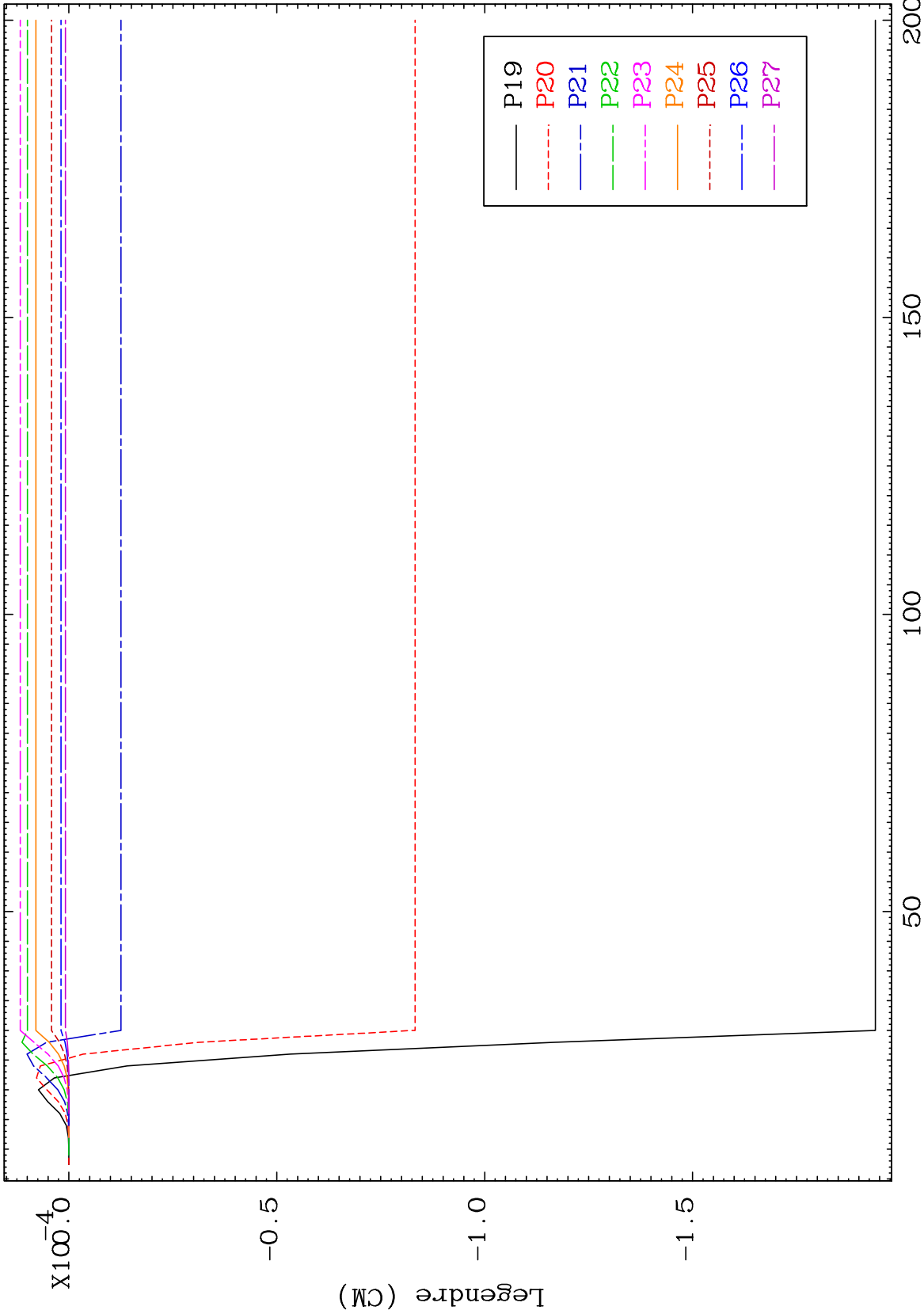
Incident Energy (MeV)

60

MAT 5313

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

53-I -123



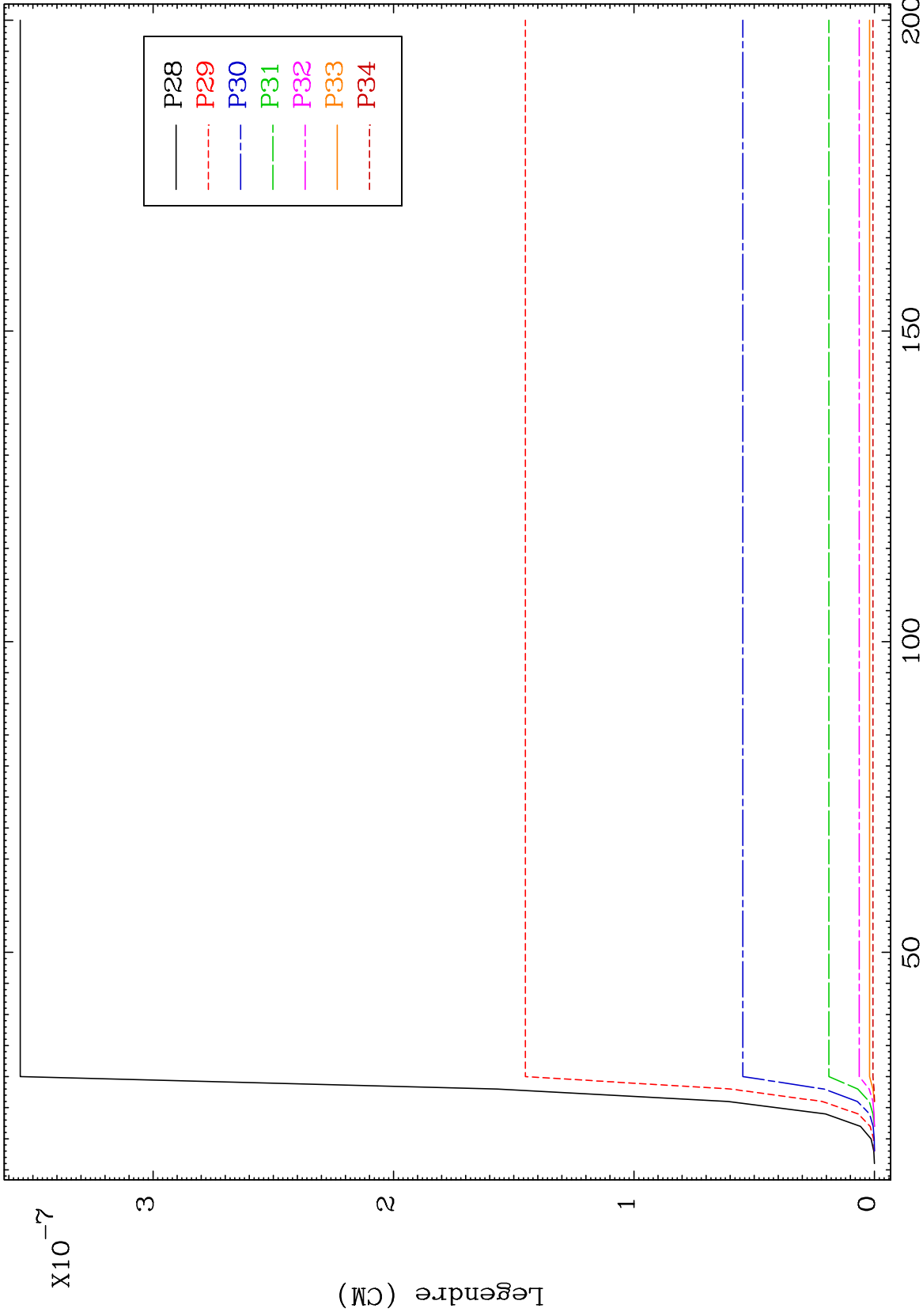
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53-I -123

MAT 5313

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

53-I -123



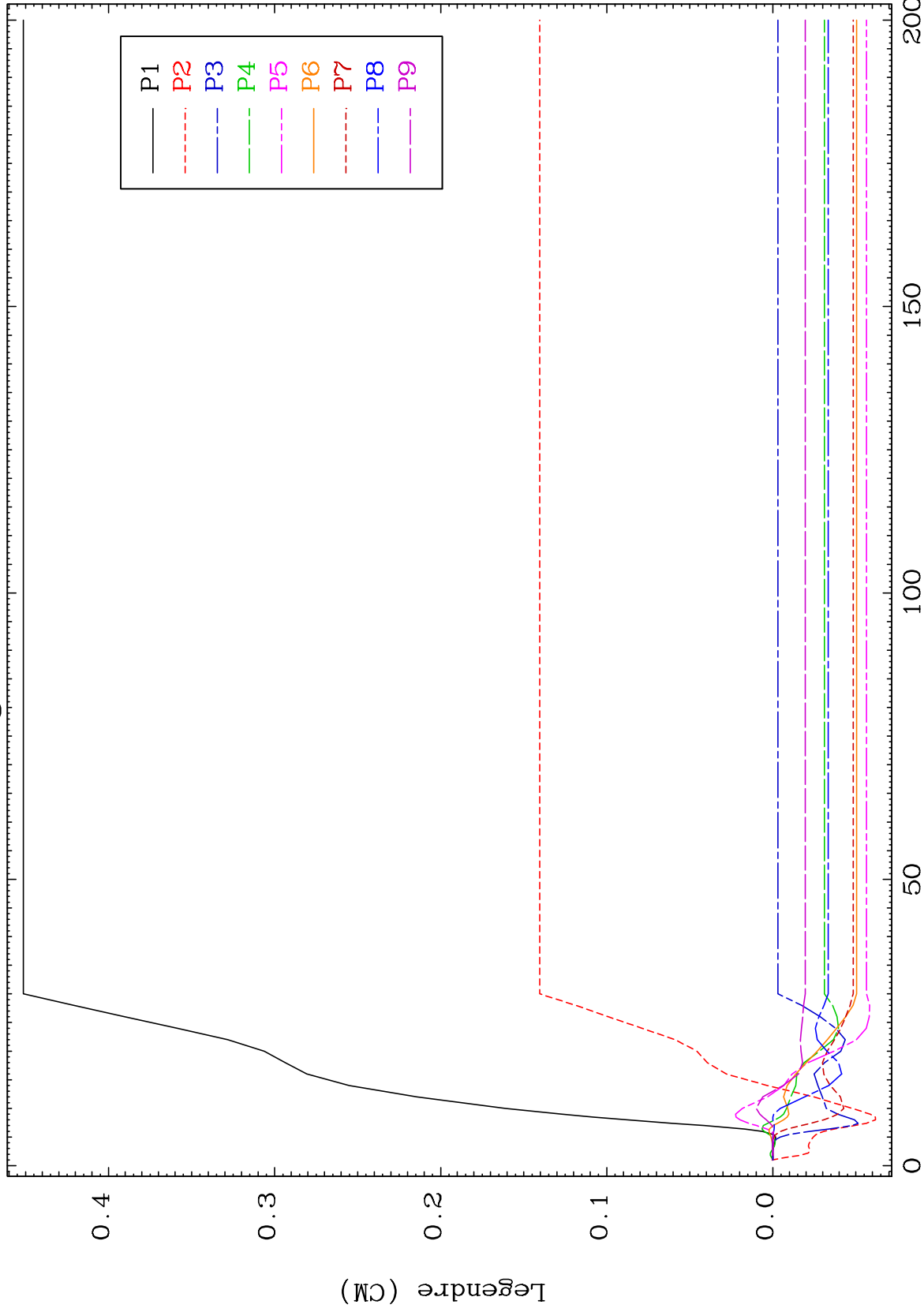
62

53-I -123

MAT 5313

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

53-I -123



63

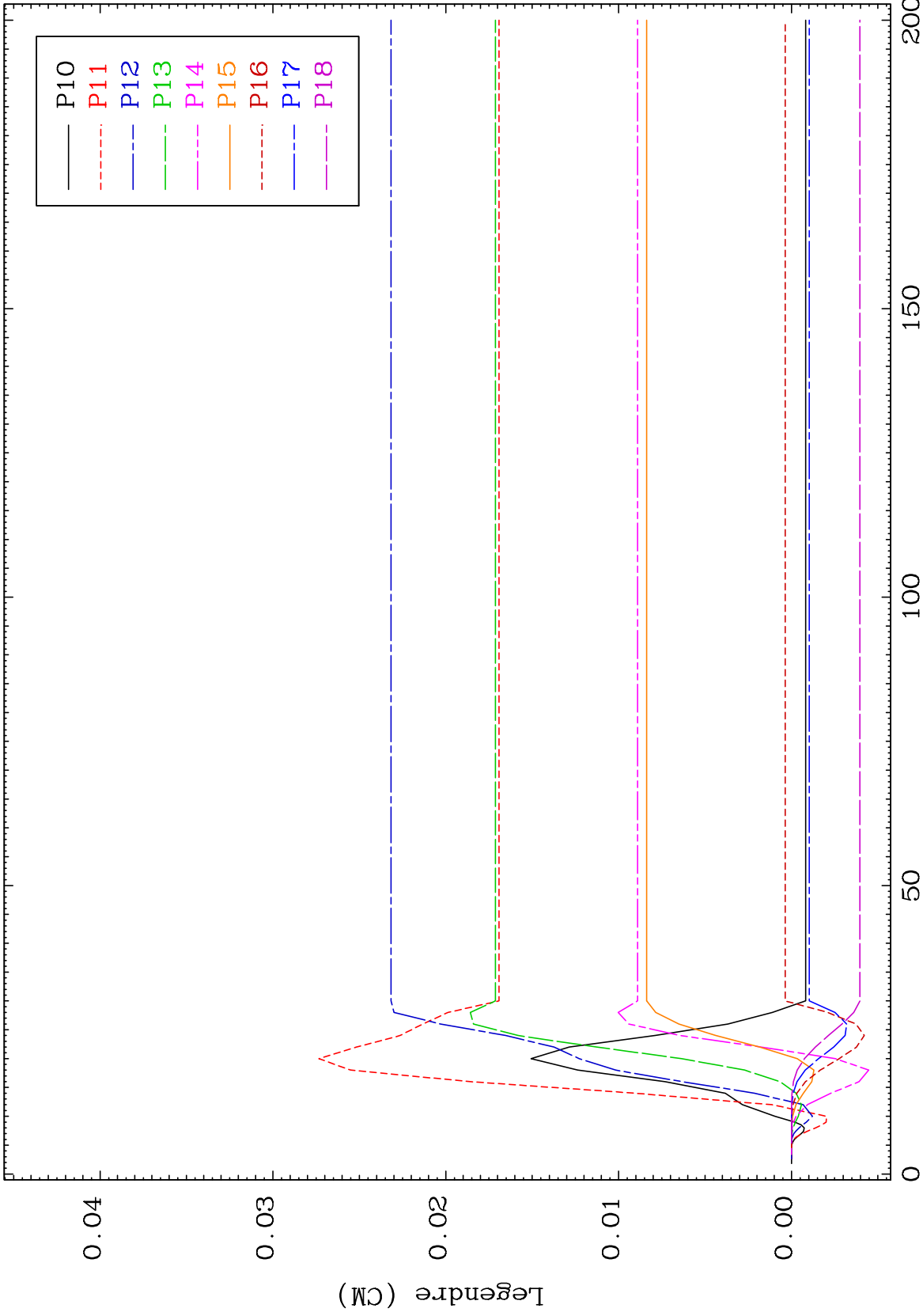
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



64

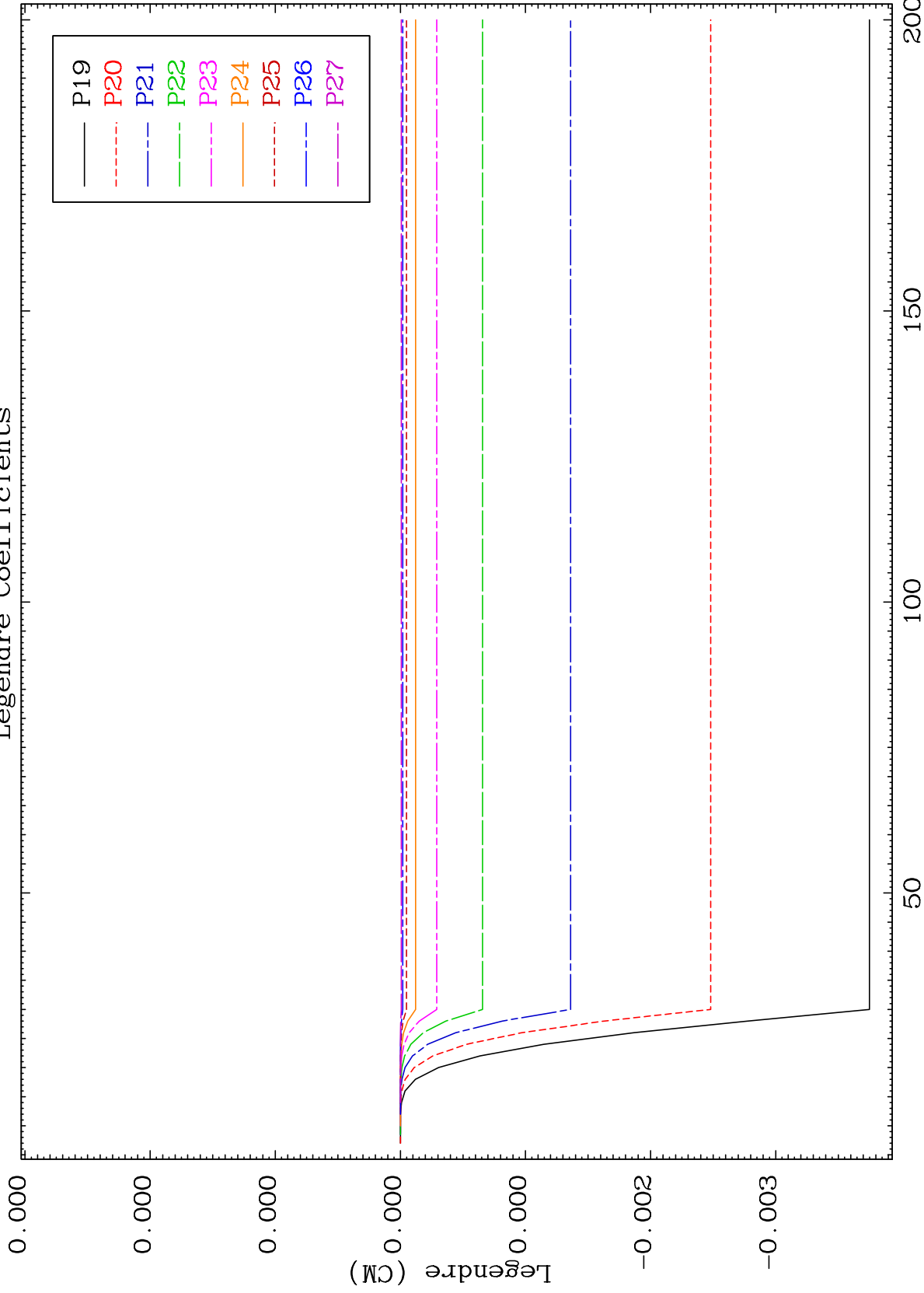
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



65

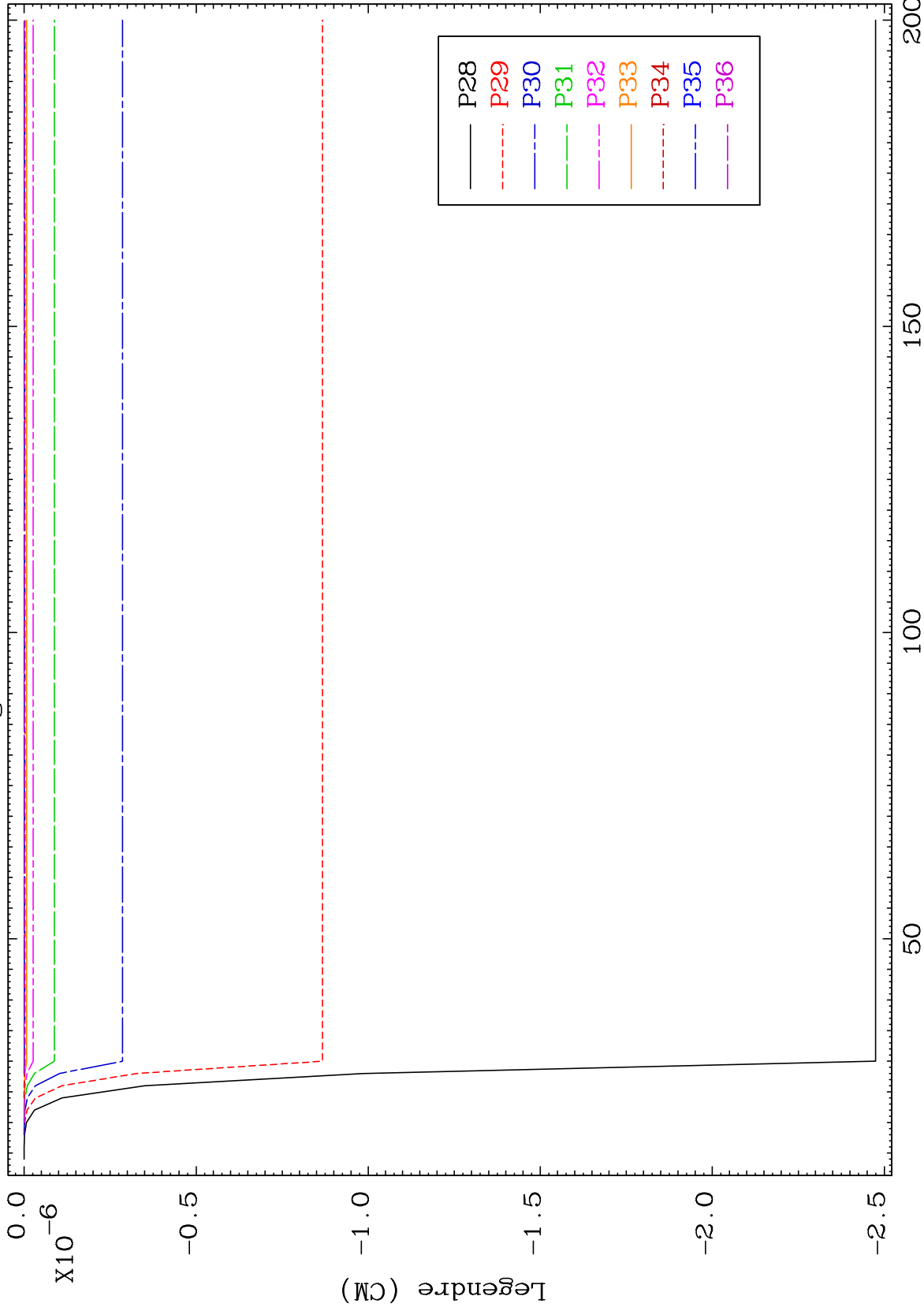
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



66

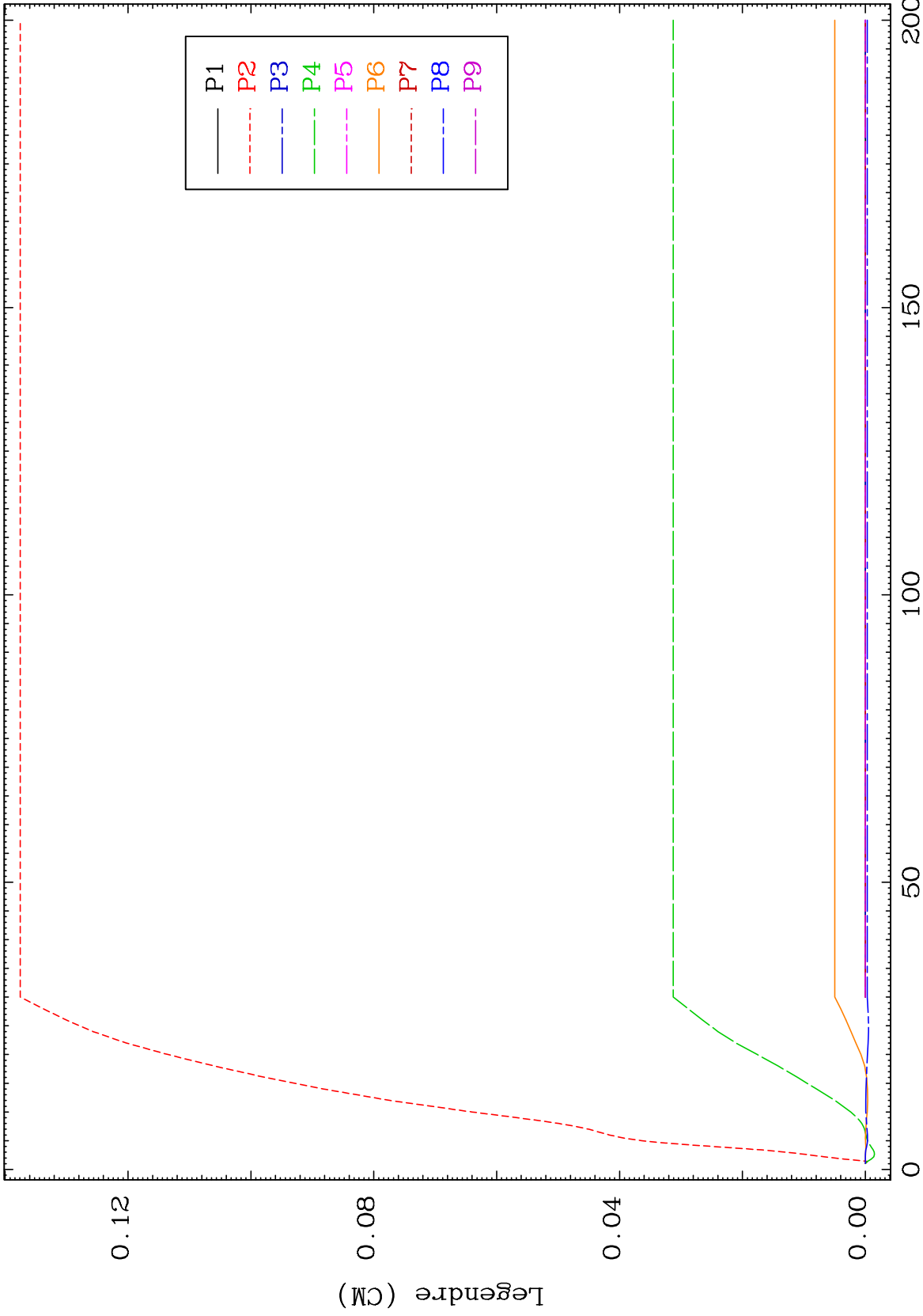
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



67

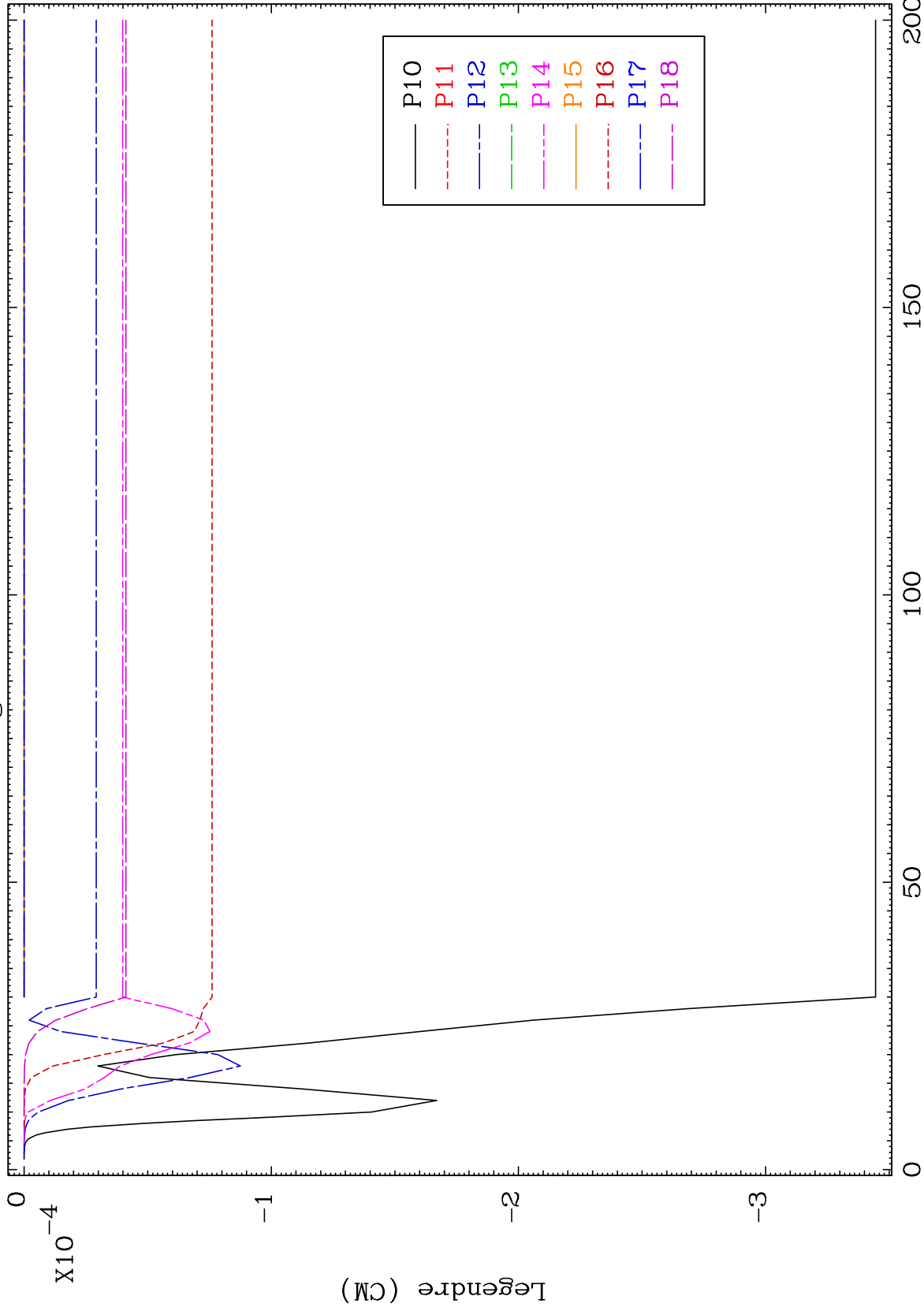
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



68

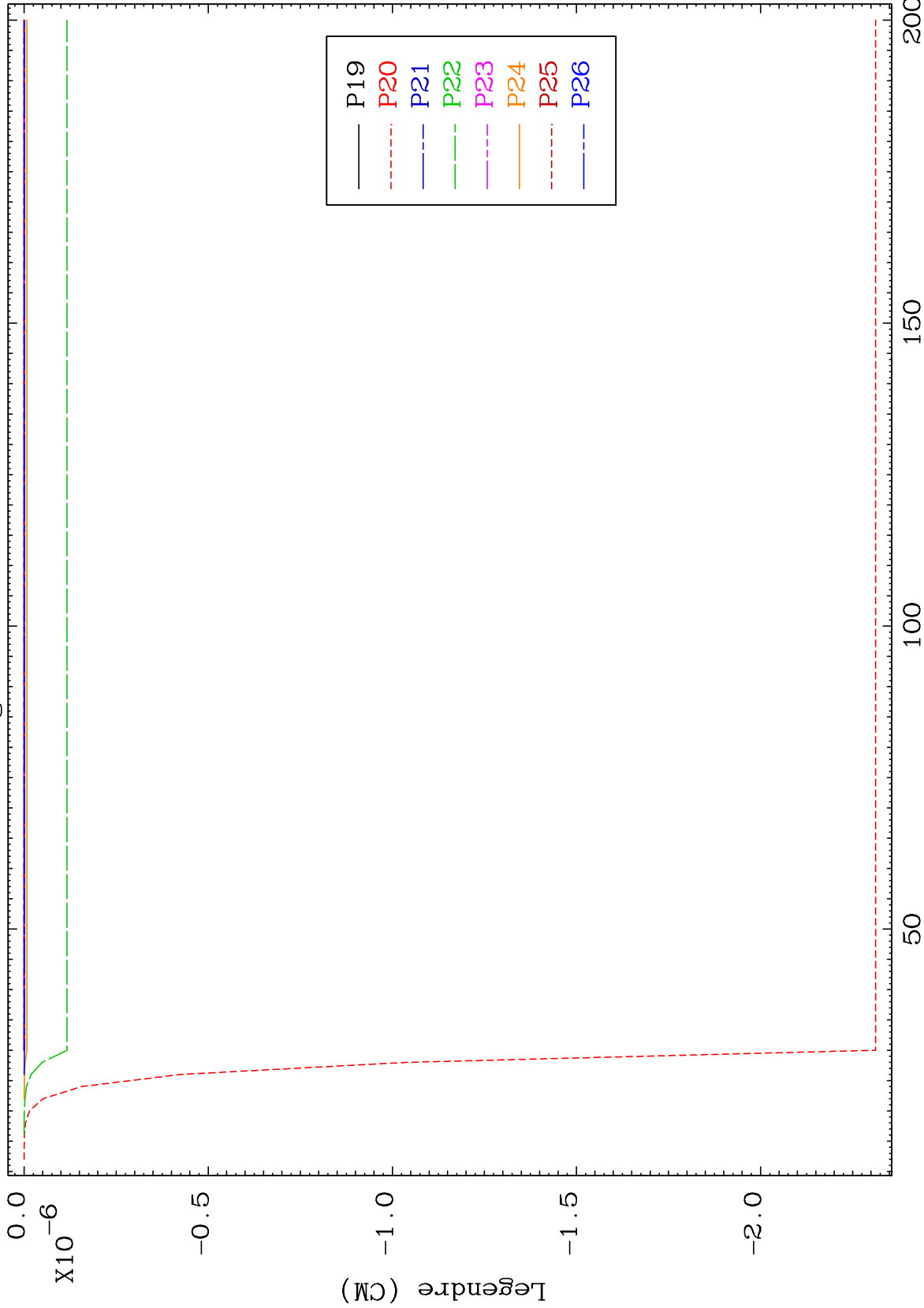
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123

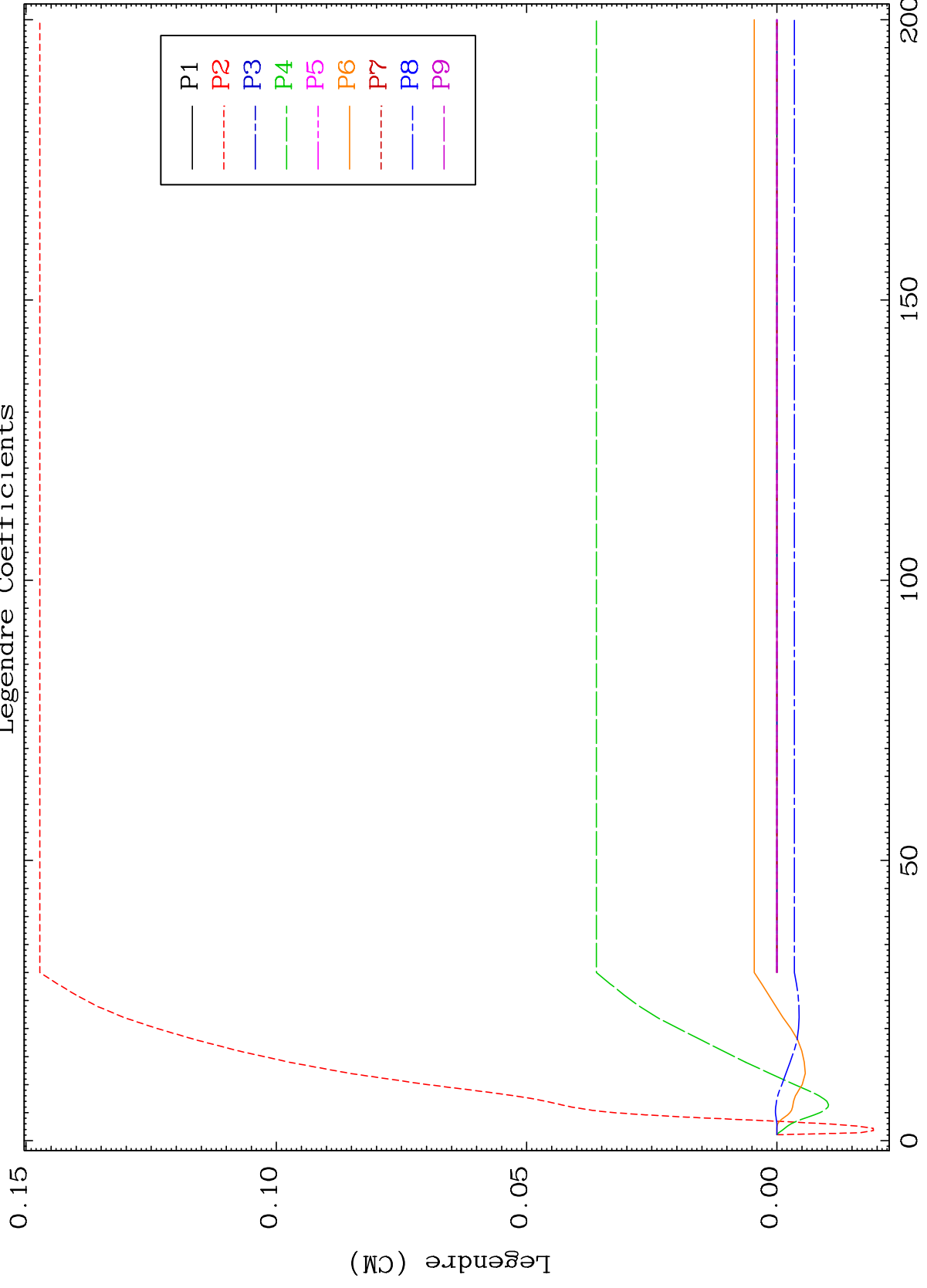


69

Incident Energy (MeV)

53-I -123

MAT 5313 MT= 65 (n,n') Level Legendre Coefficients 53-I -123

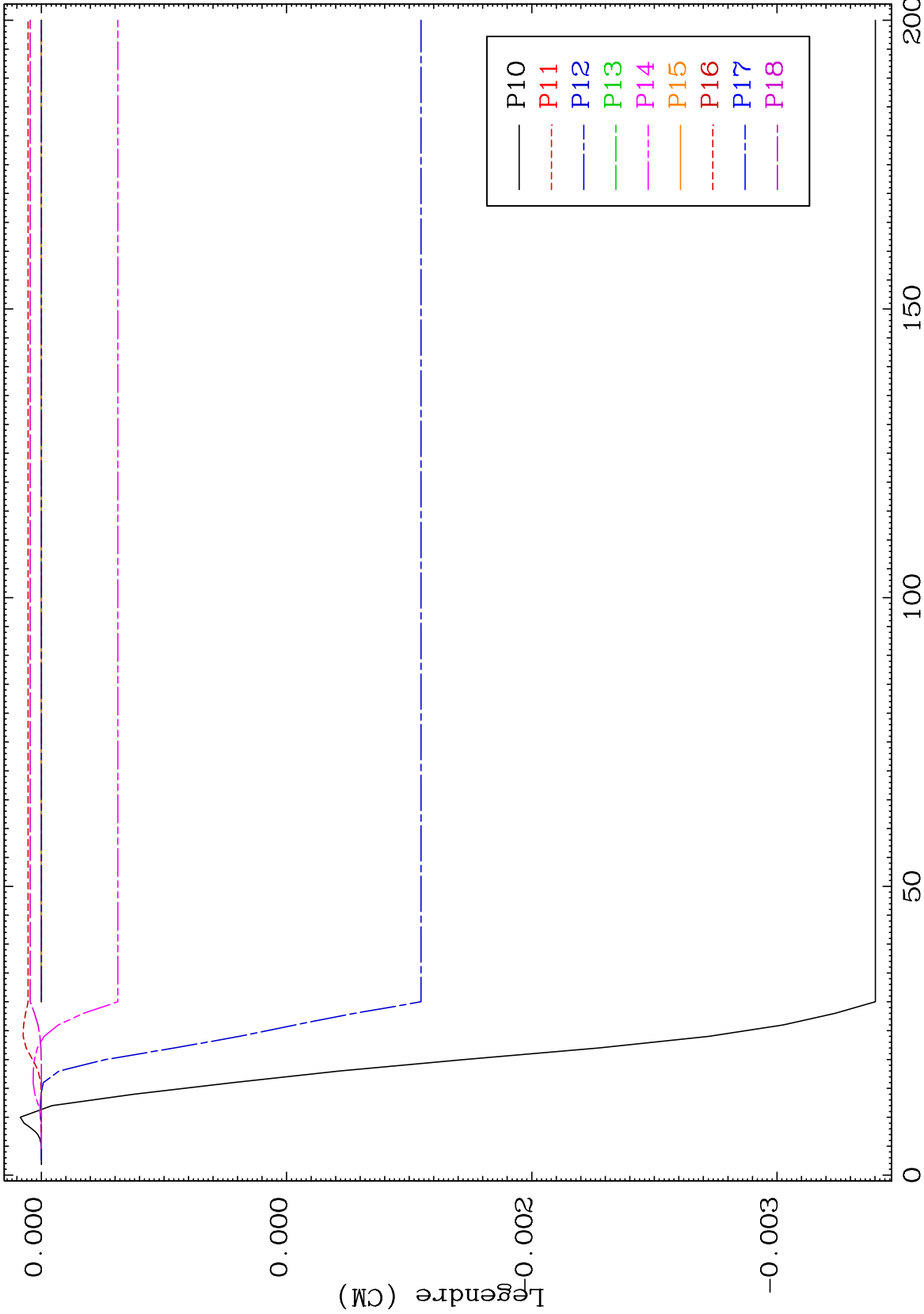


70 53-I -123

MAT 5313

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

53-I -123



71

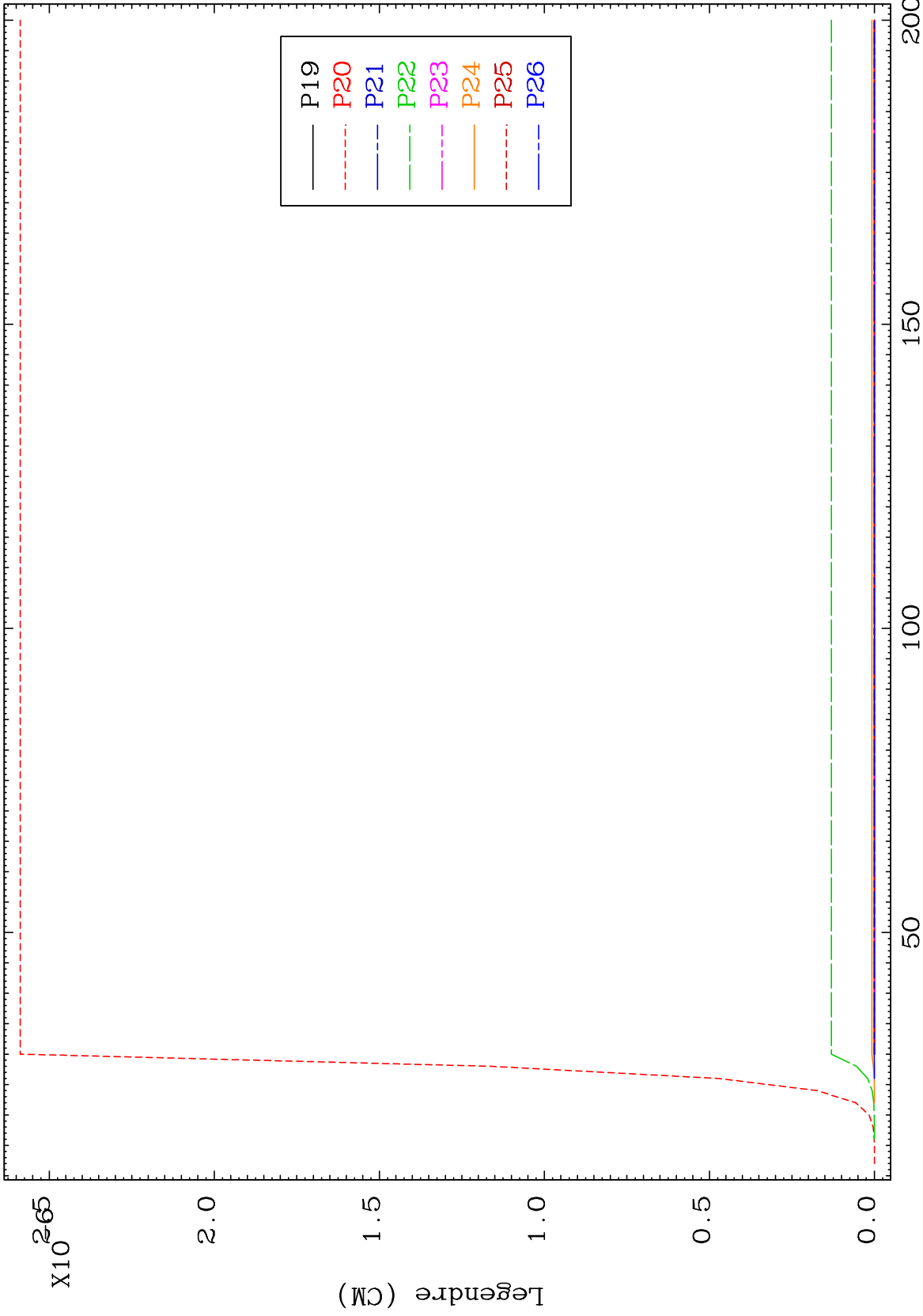
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



72

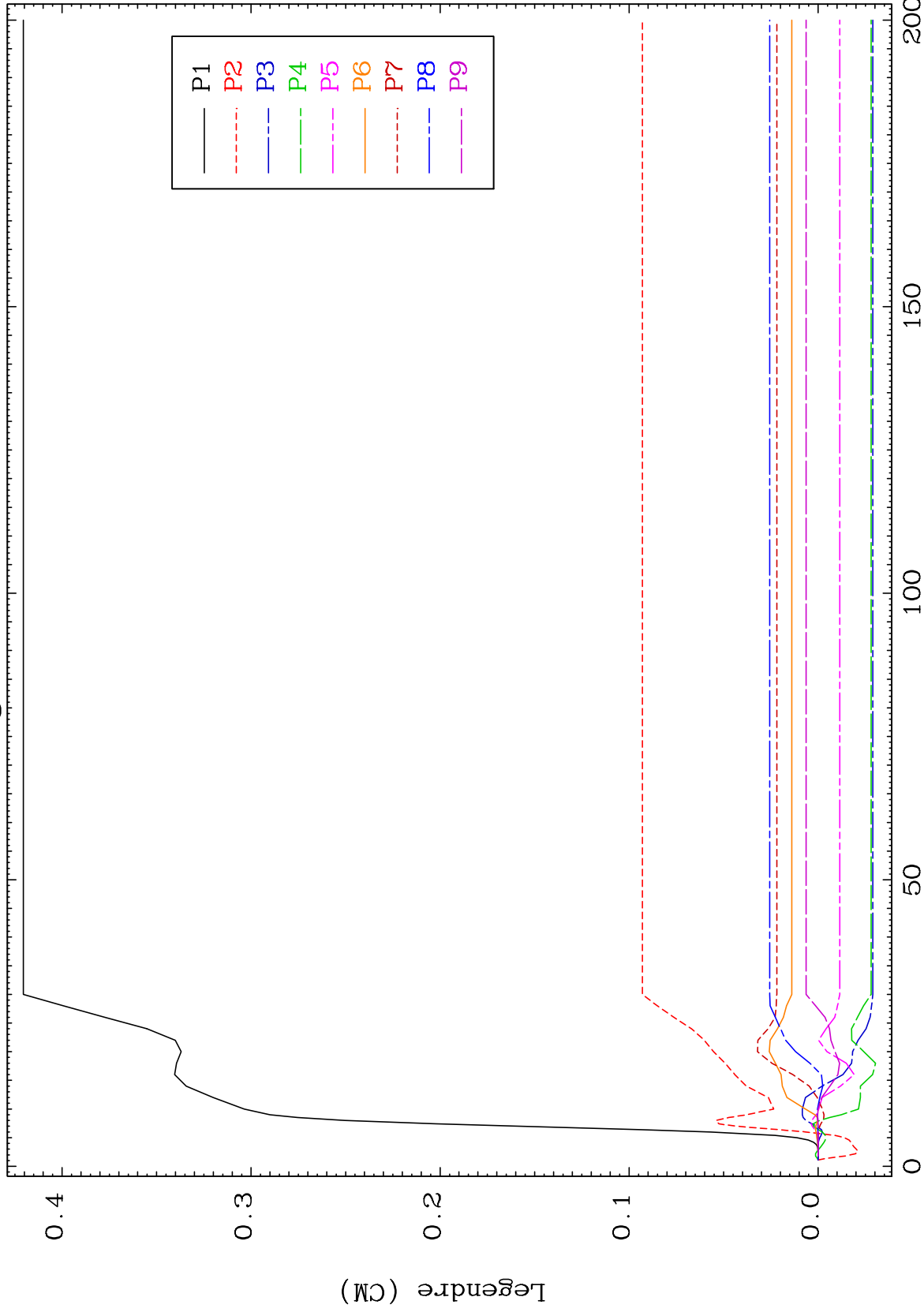
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



73

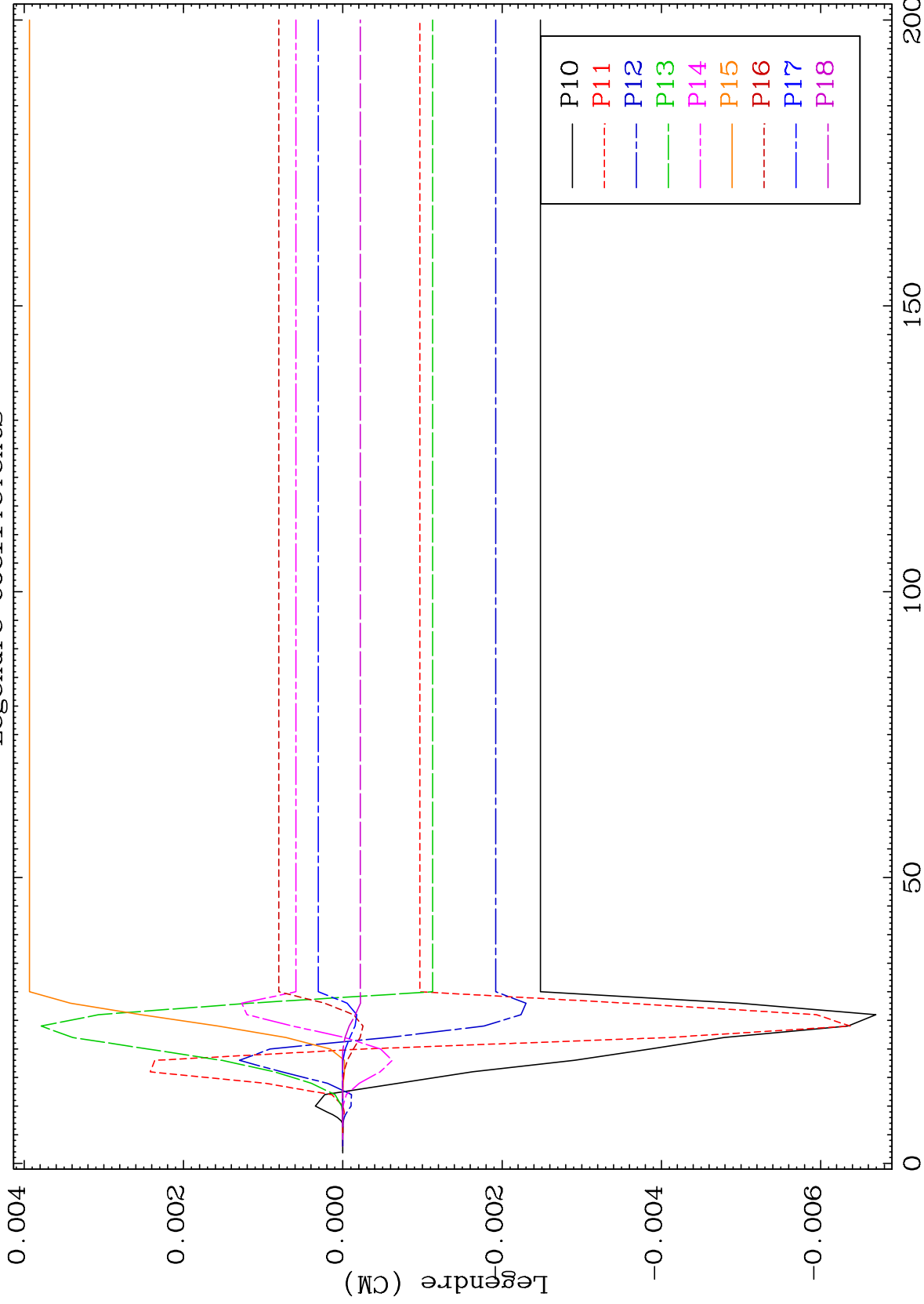
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



74

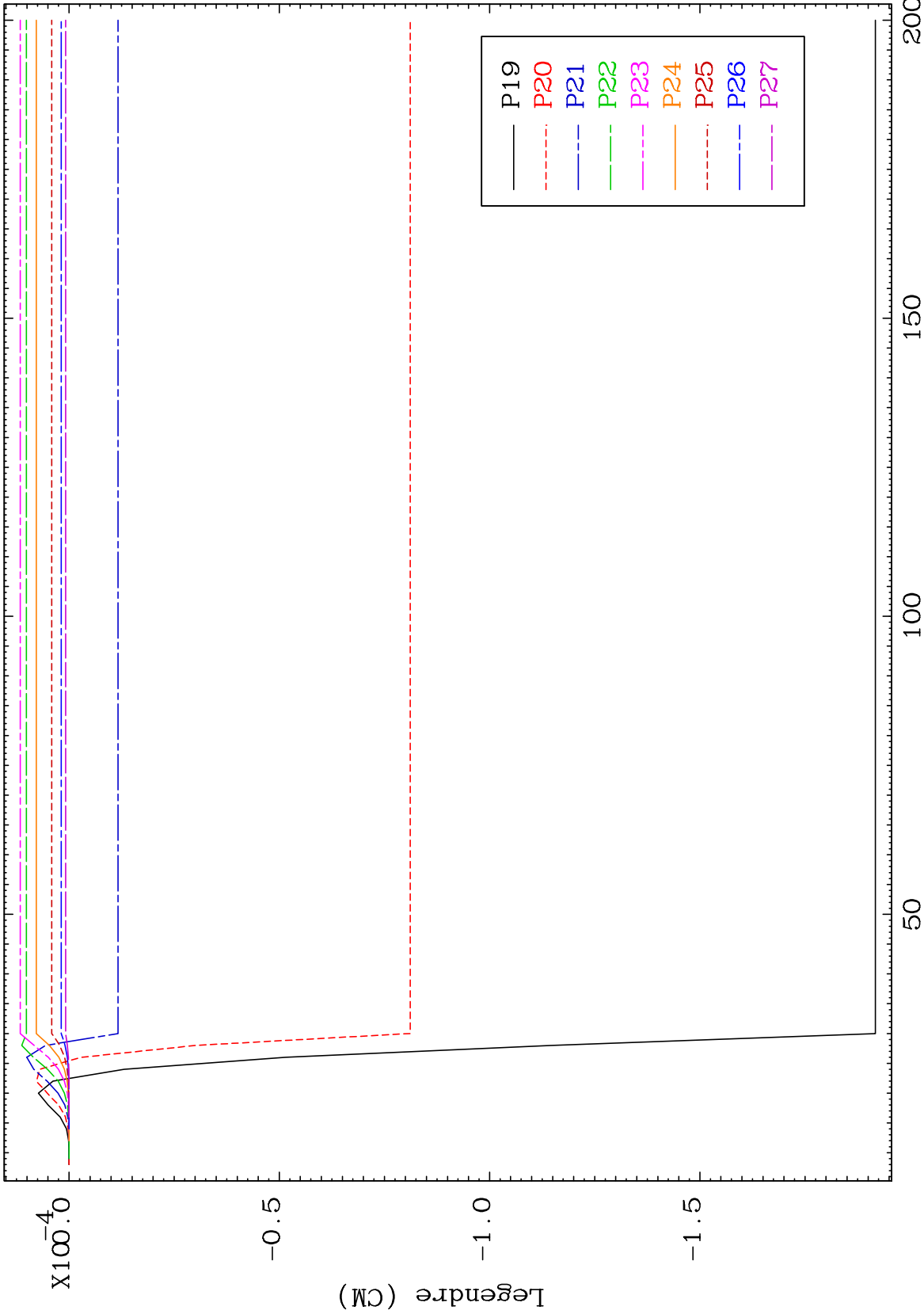
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



75

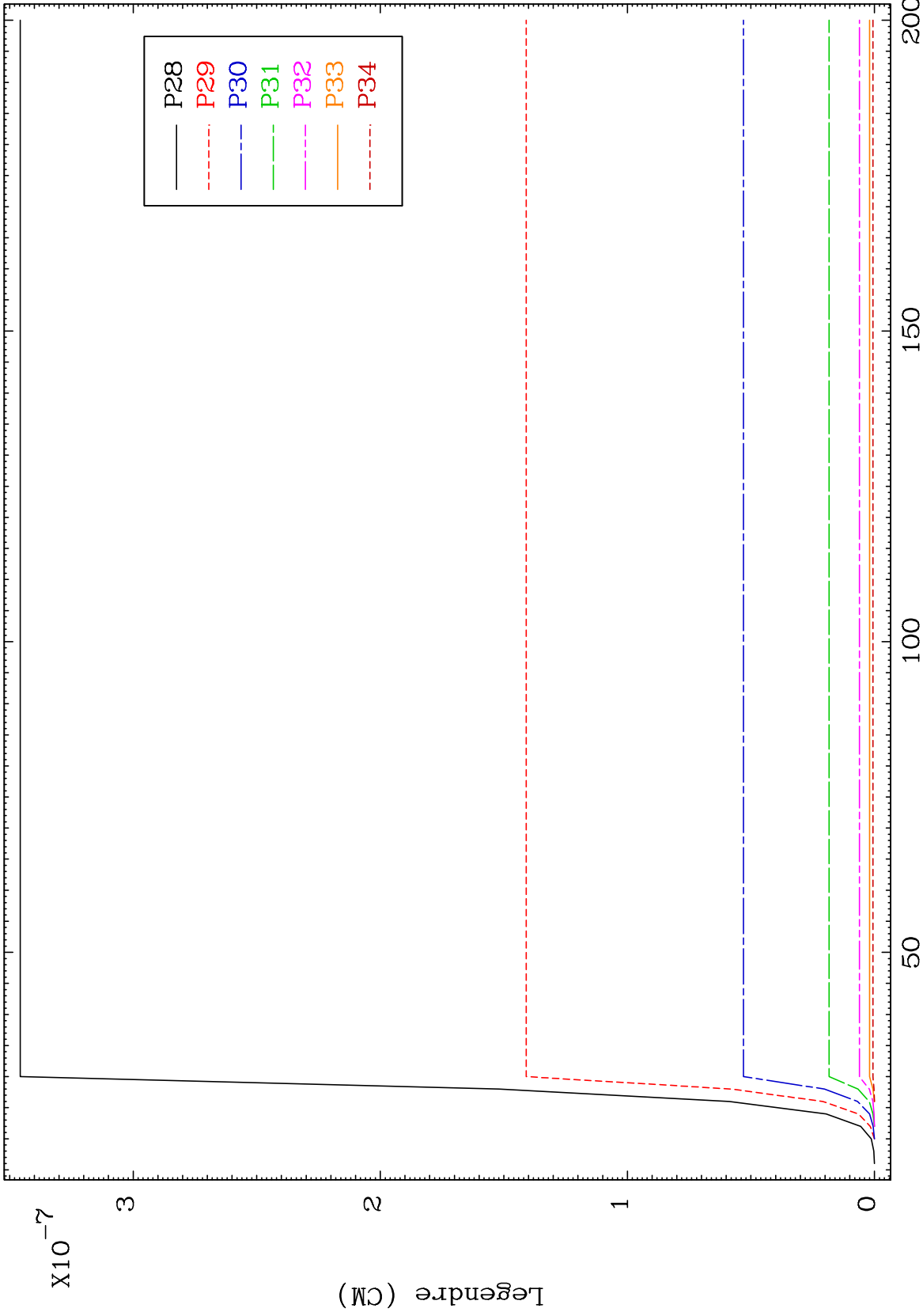
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123

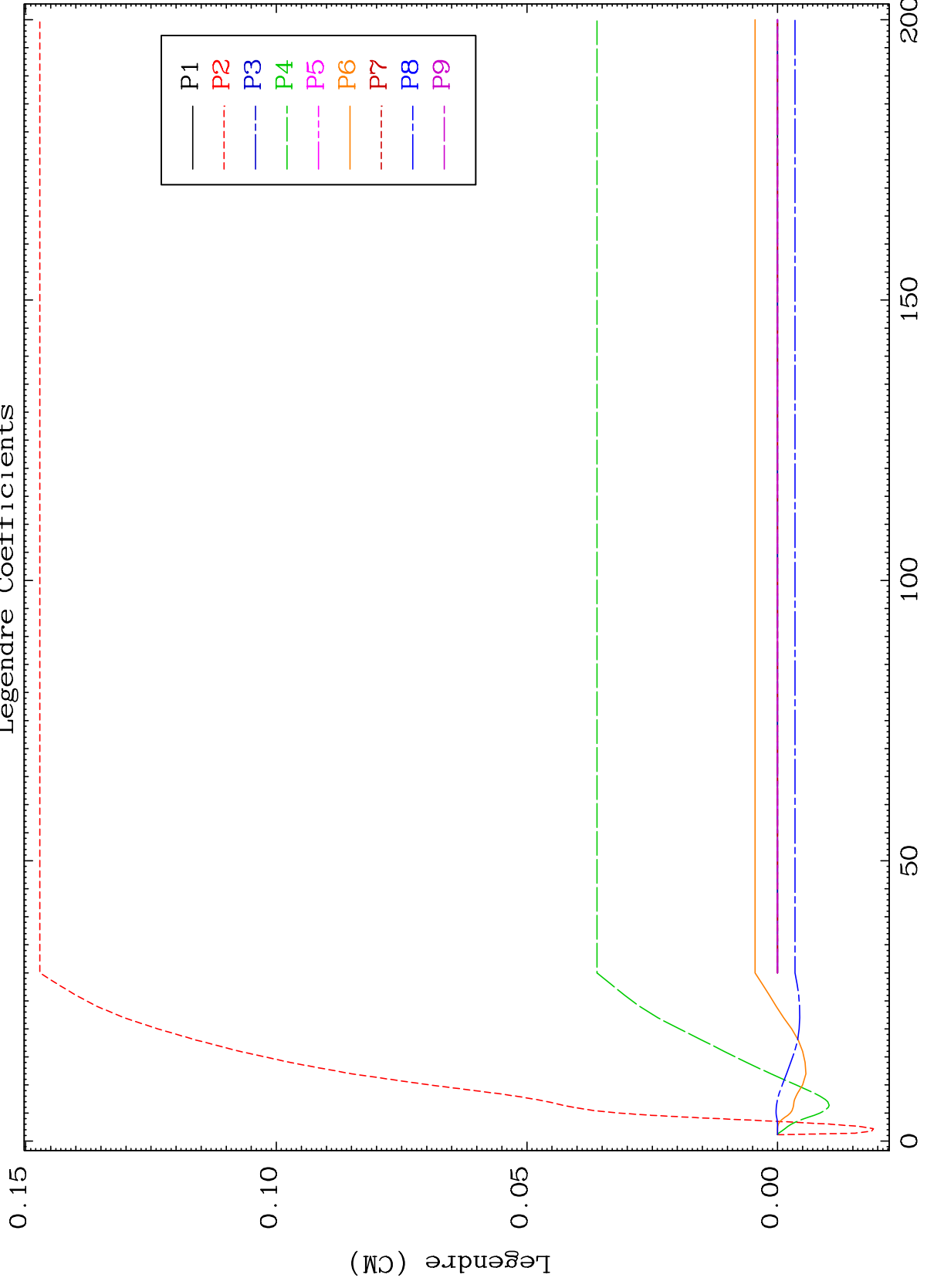


76

Incident Energy (MeV)

53-I -123

MAT 5313 MT= 67 (n,n') Level Legendre Coefficients 53-I -123

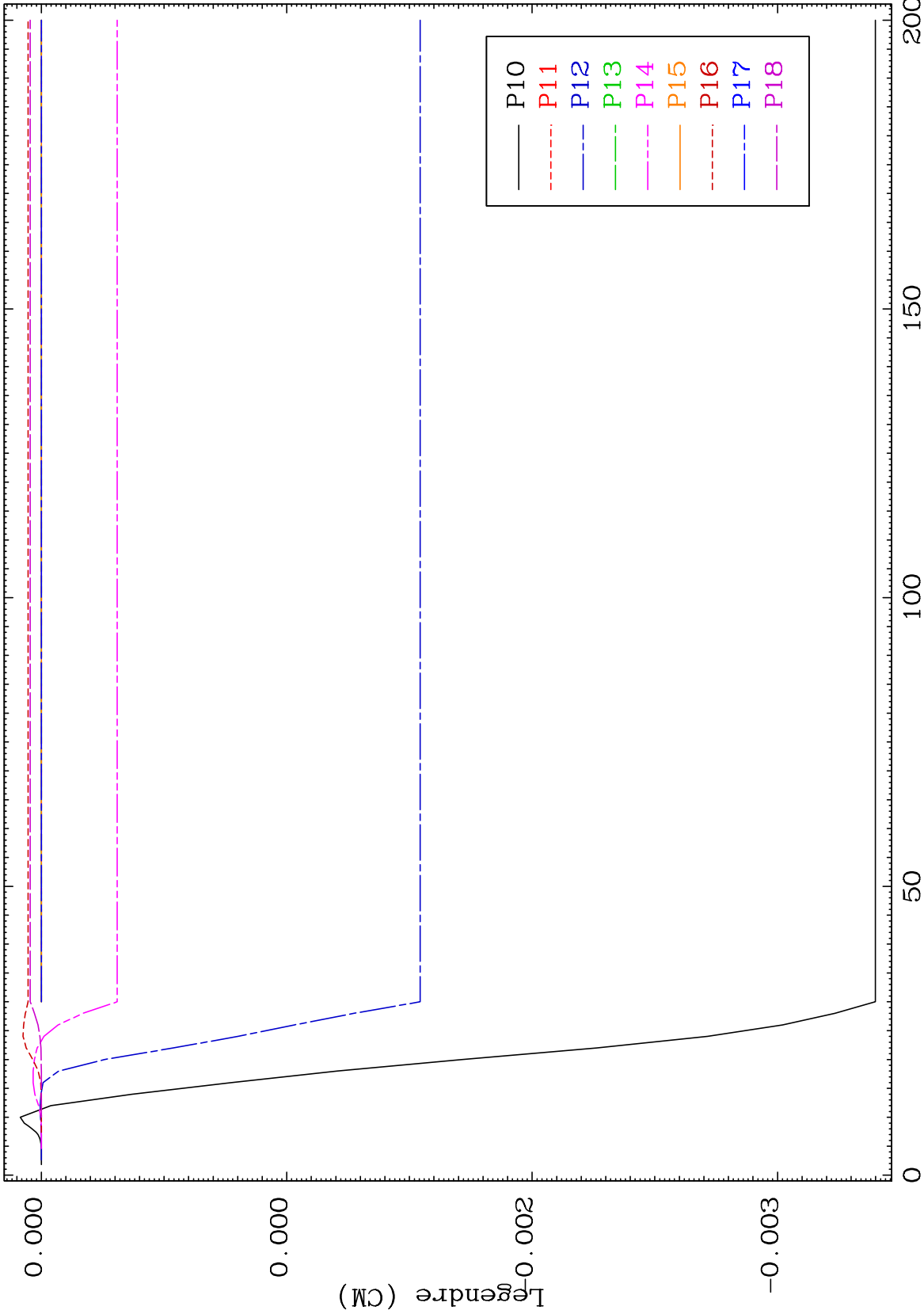


77 53-I -123

MAT 5313

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

53-I -123



78

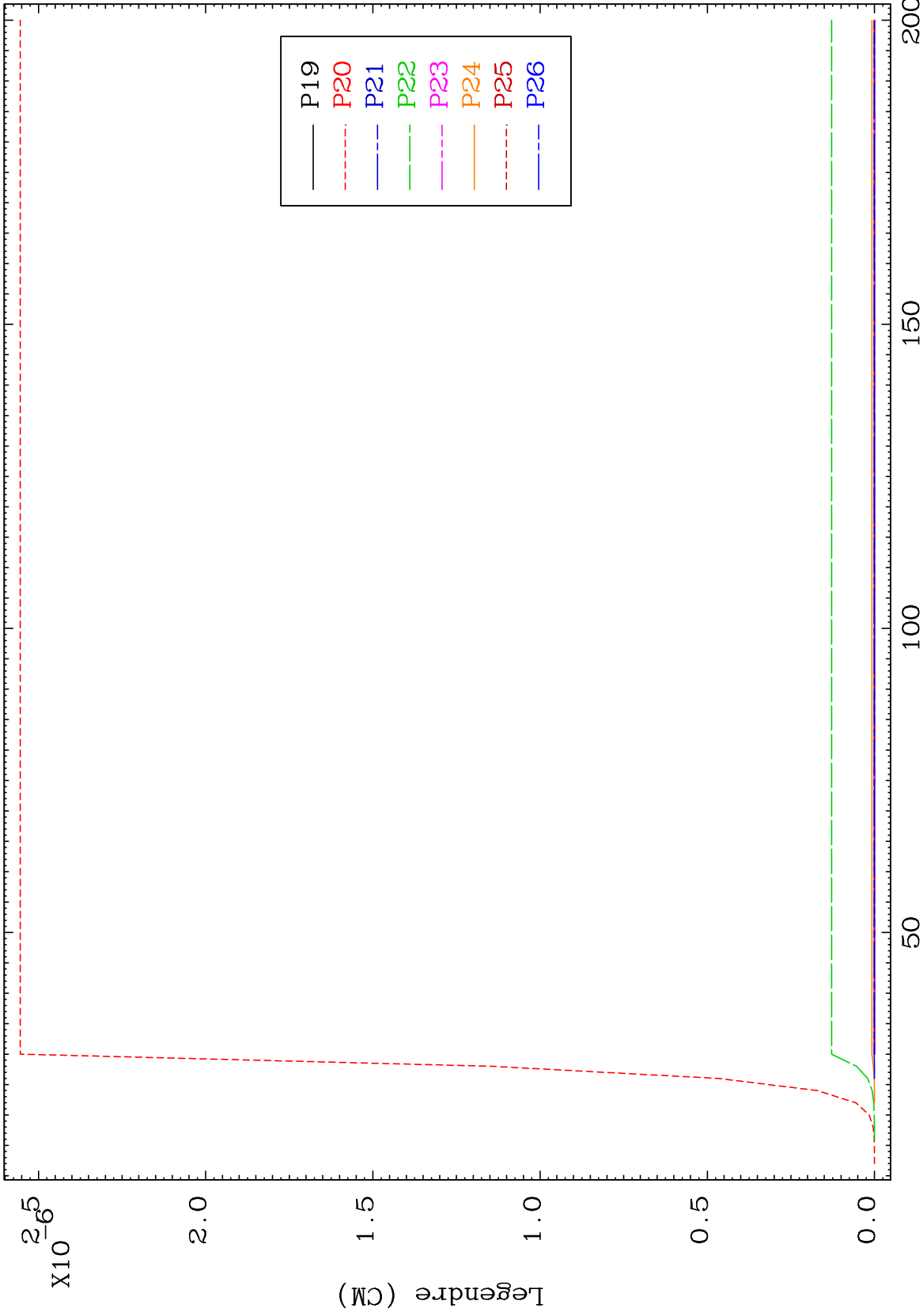
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



79

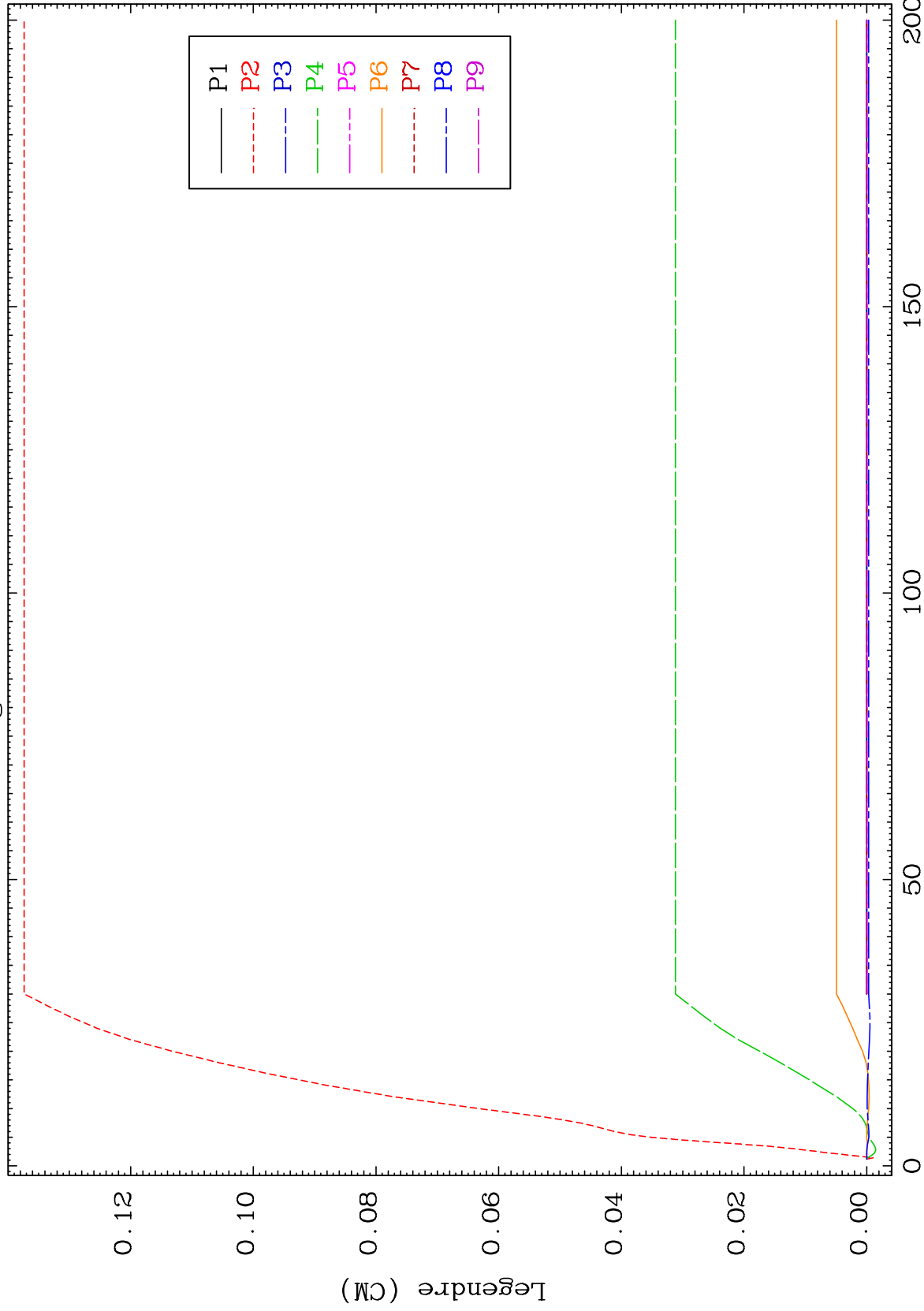
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



80

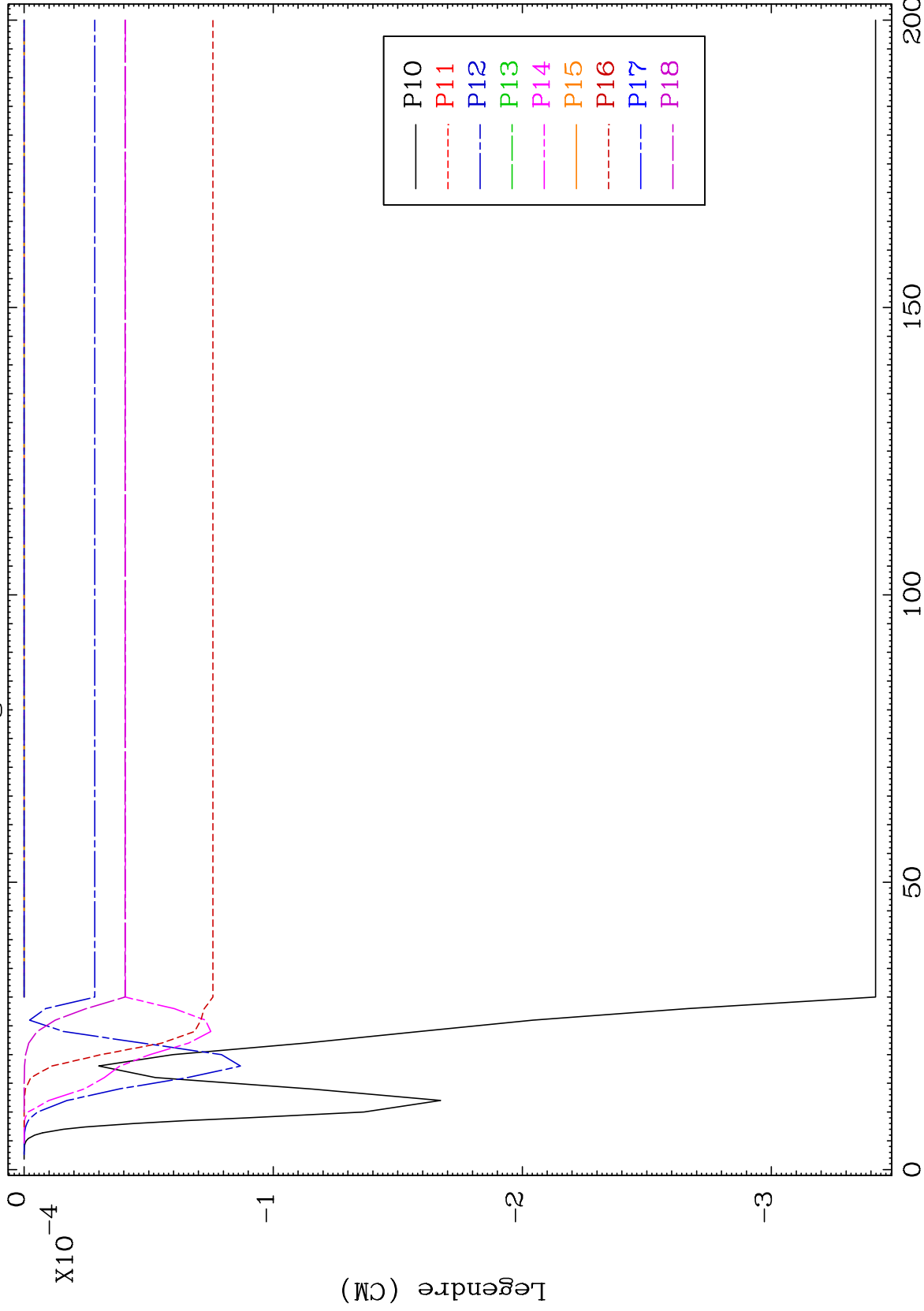
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



81

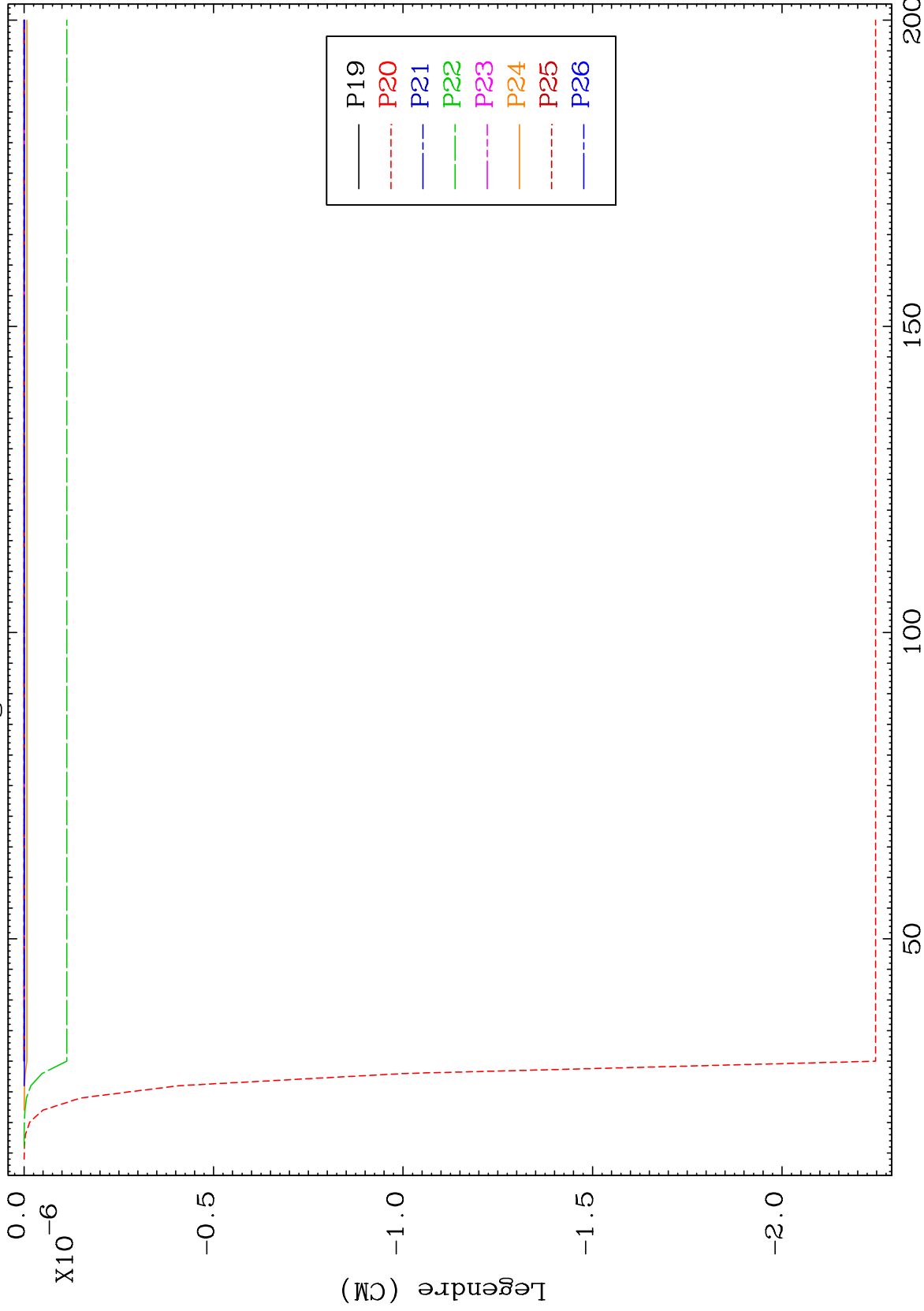
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



82

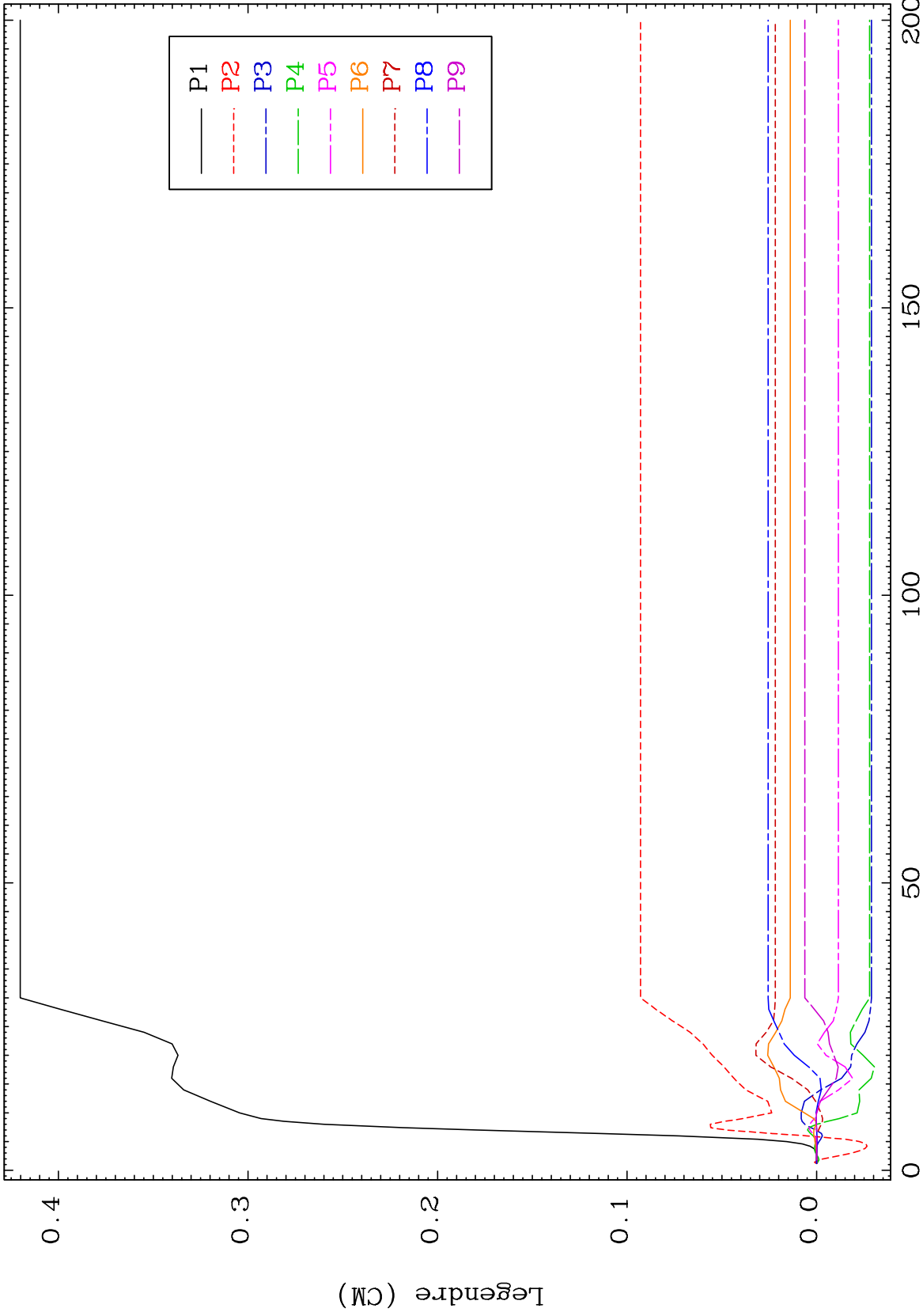
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



83

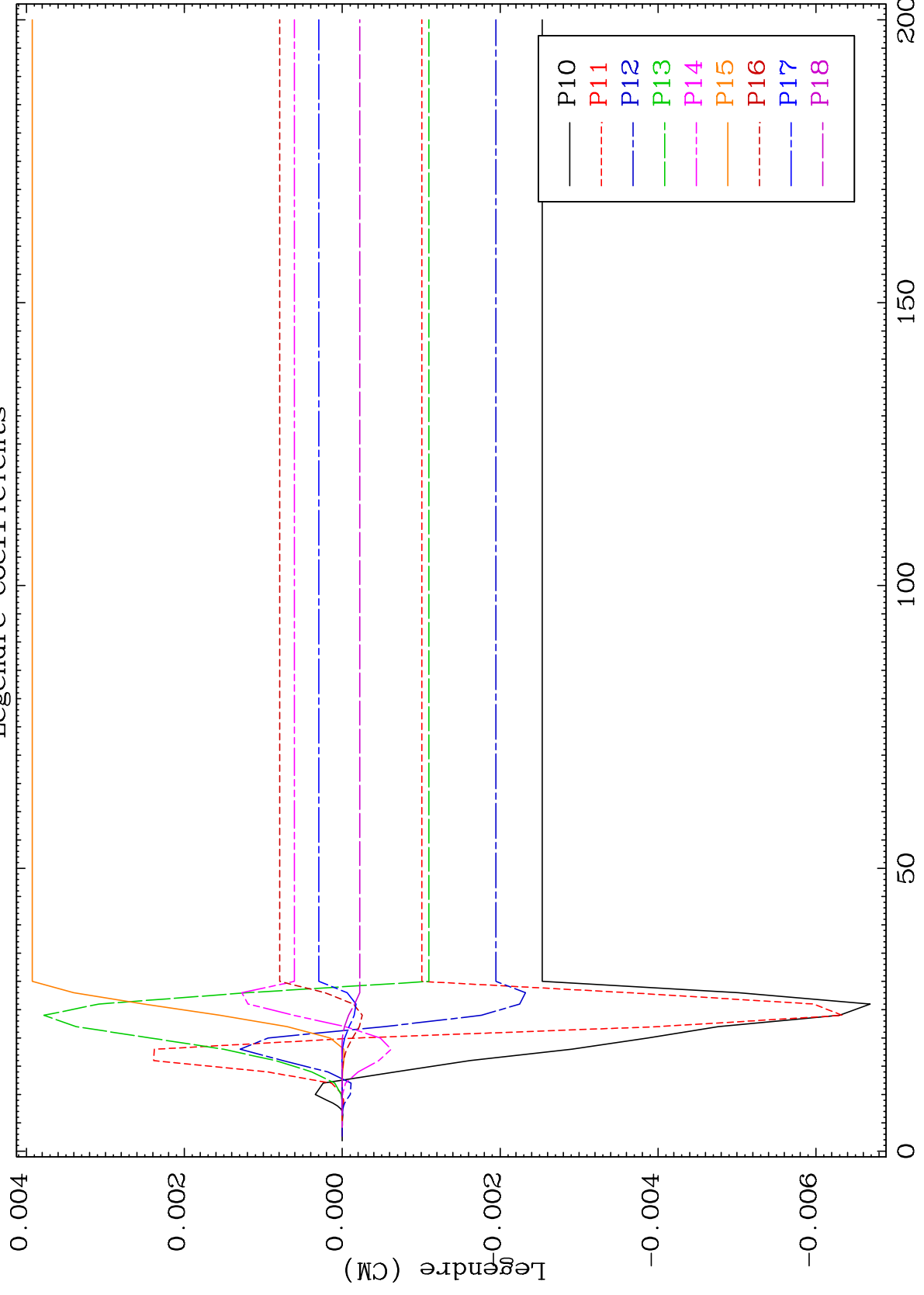
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



84

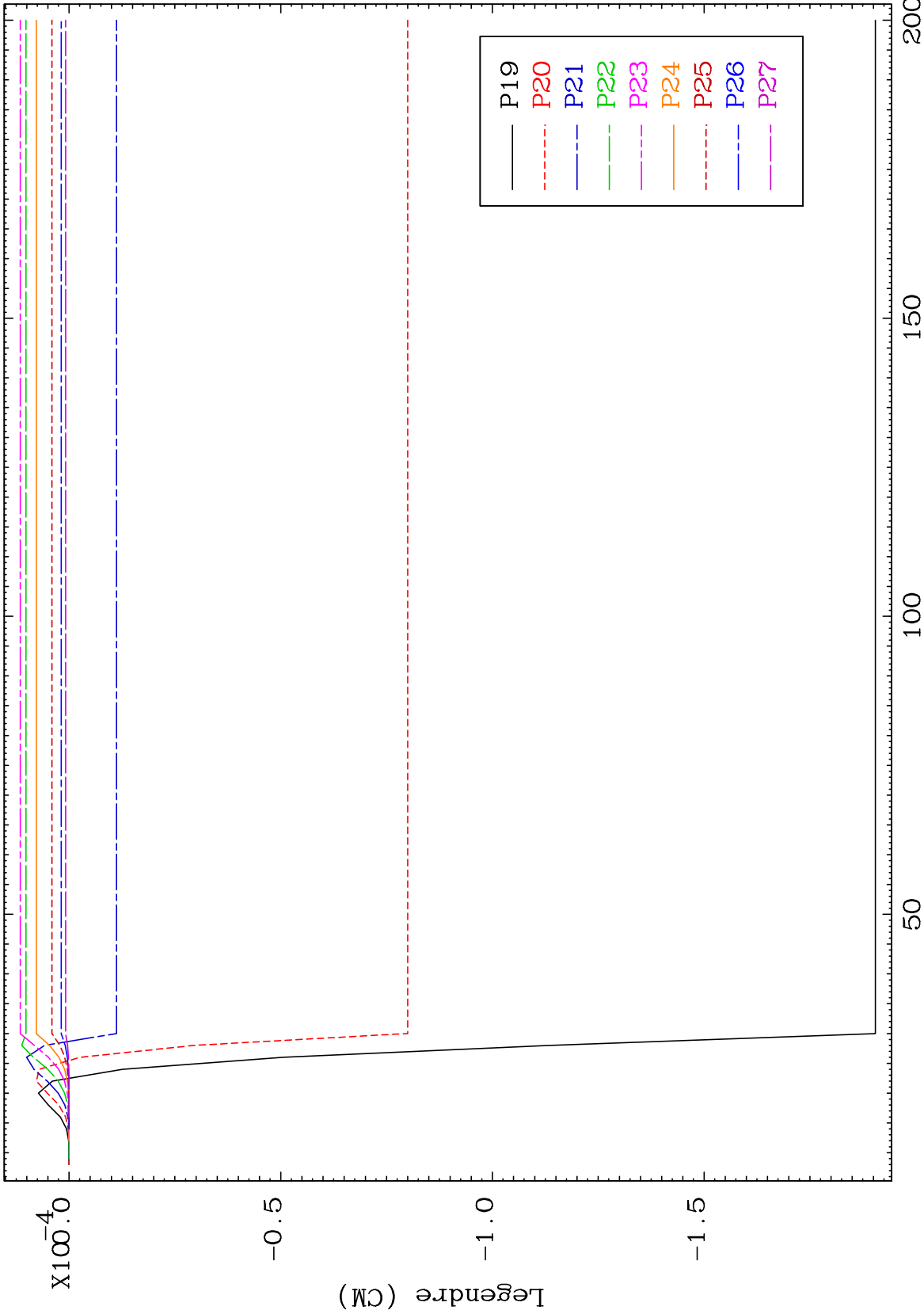
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



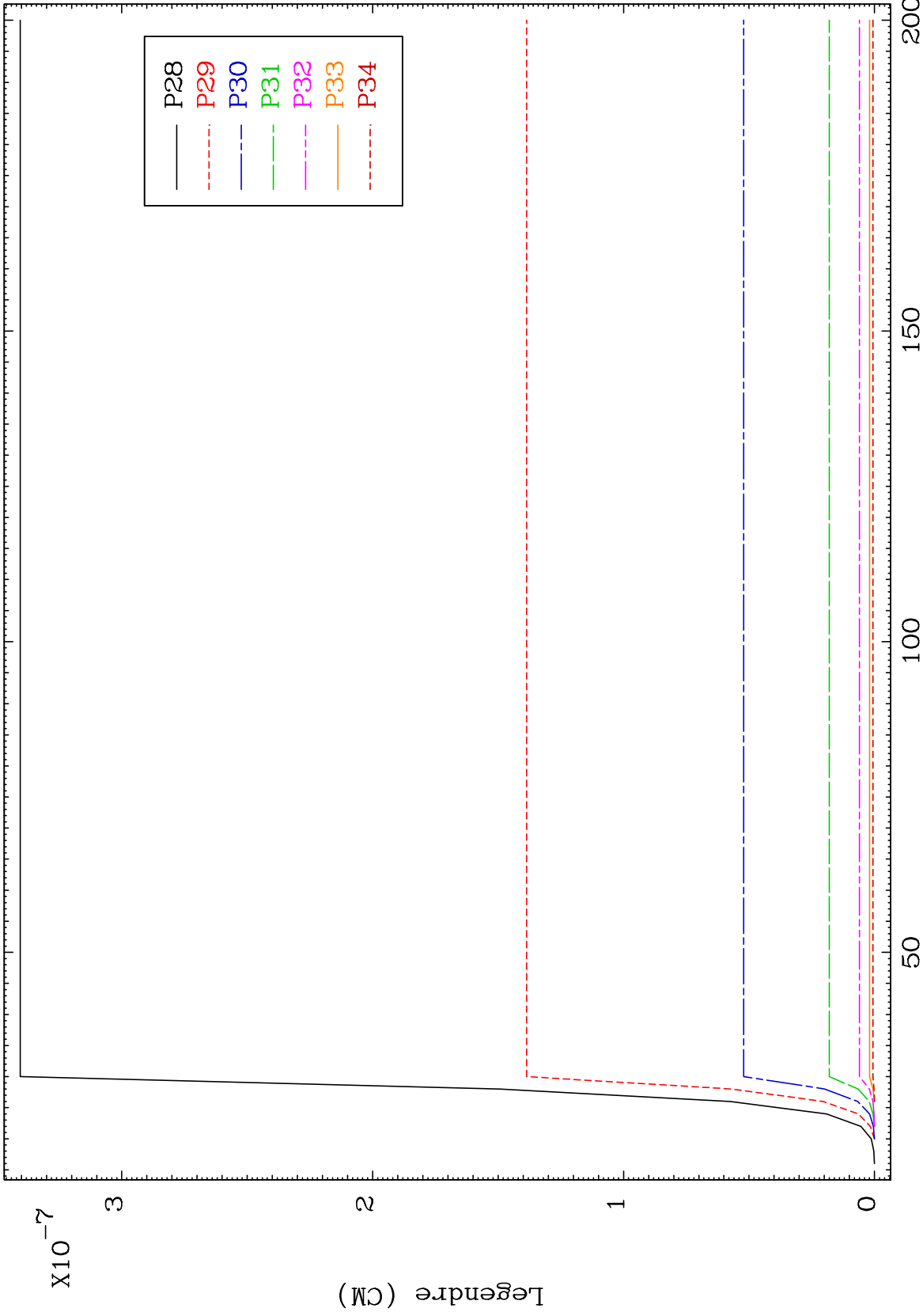
85

53-I -123

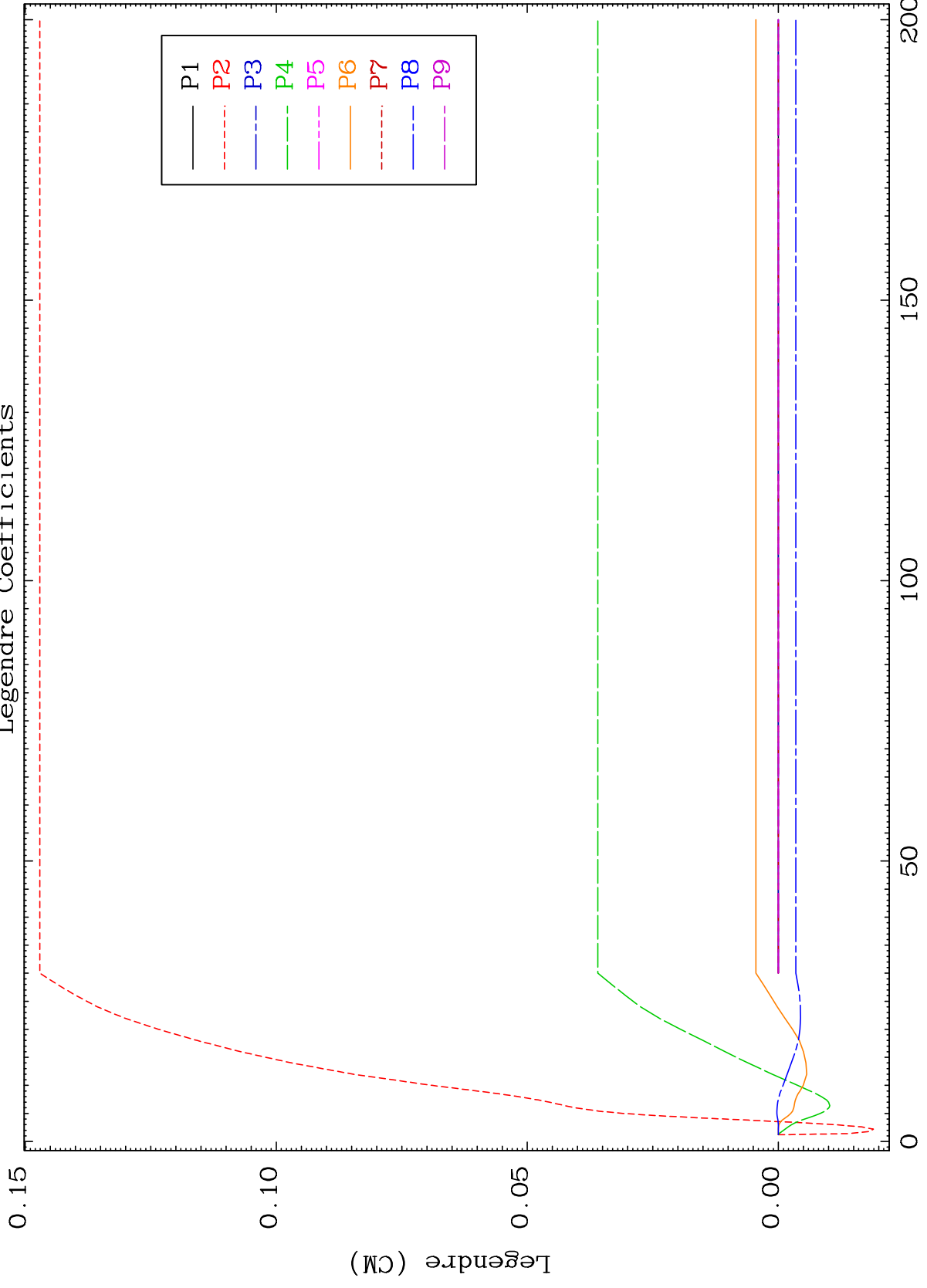
MAT 5313

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

53-I -123



MAT 5313 MT= 70 (n,n') Level Legendre Coefficients 53-I -123

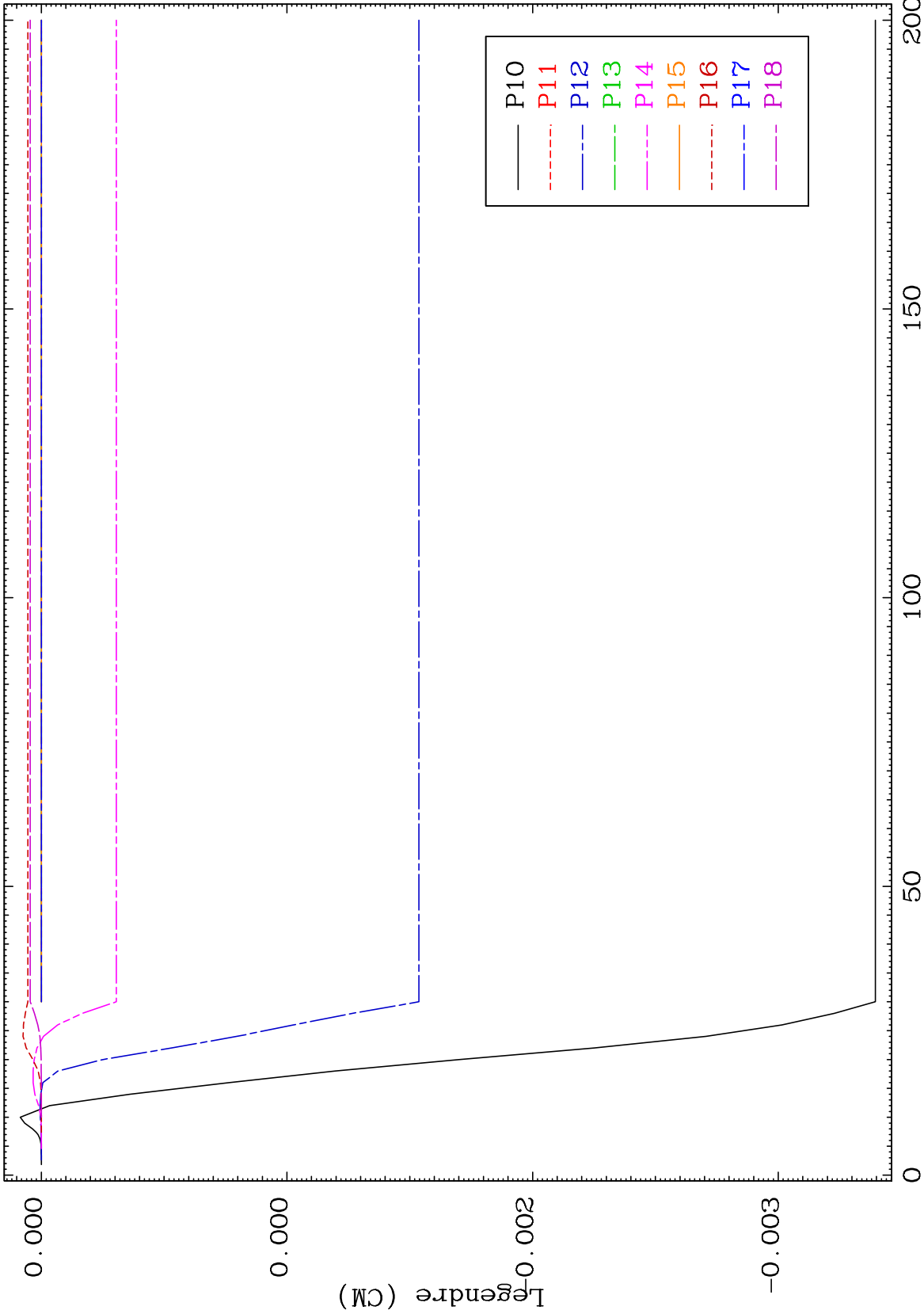


87 53-I -123

MAT 5313

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

53-I -123



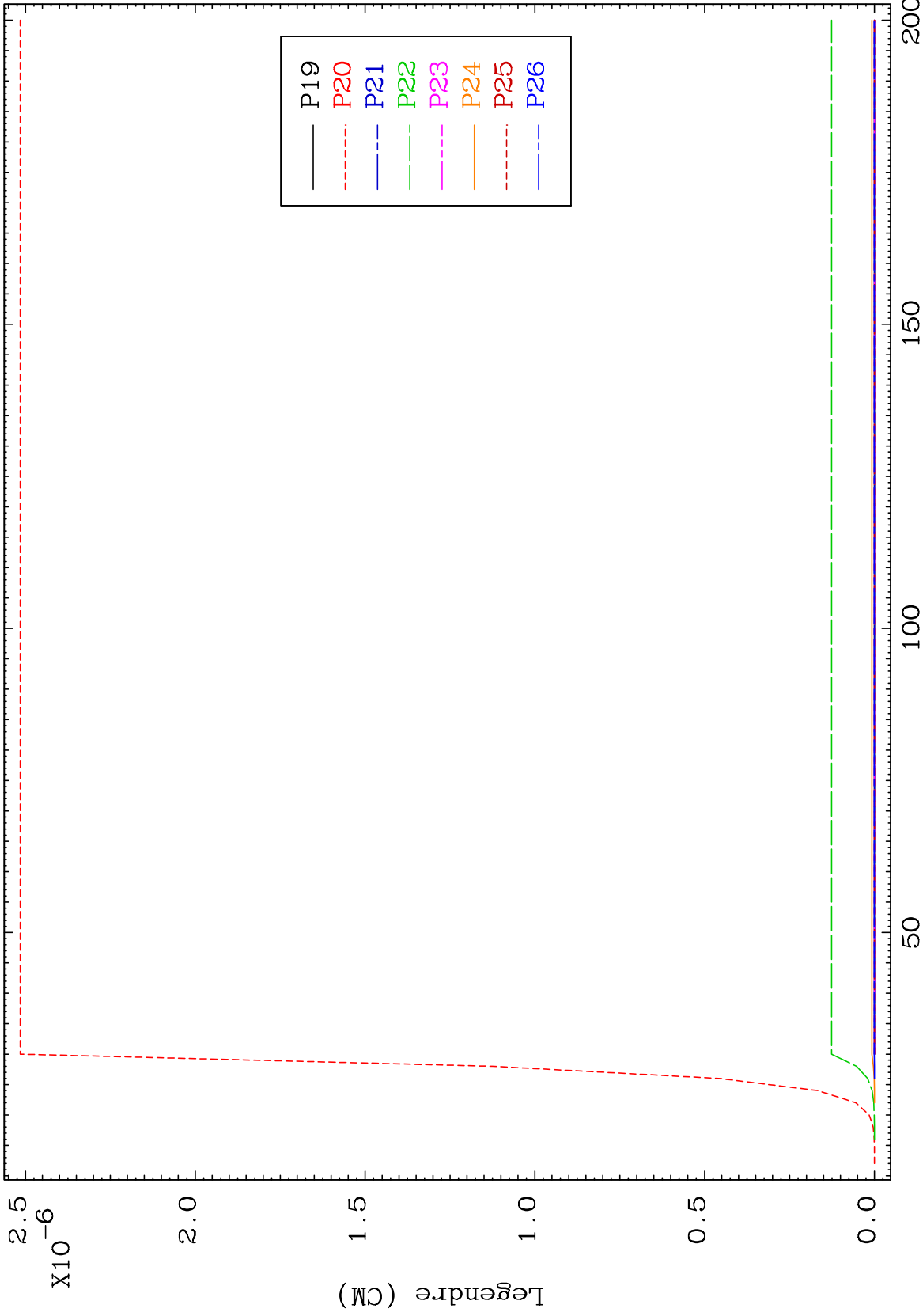
88

53-I -123

MAT 5313

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

53-I -123

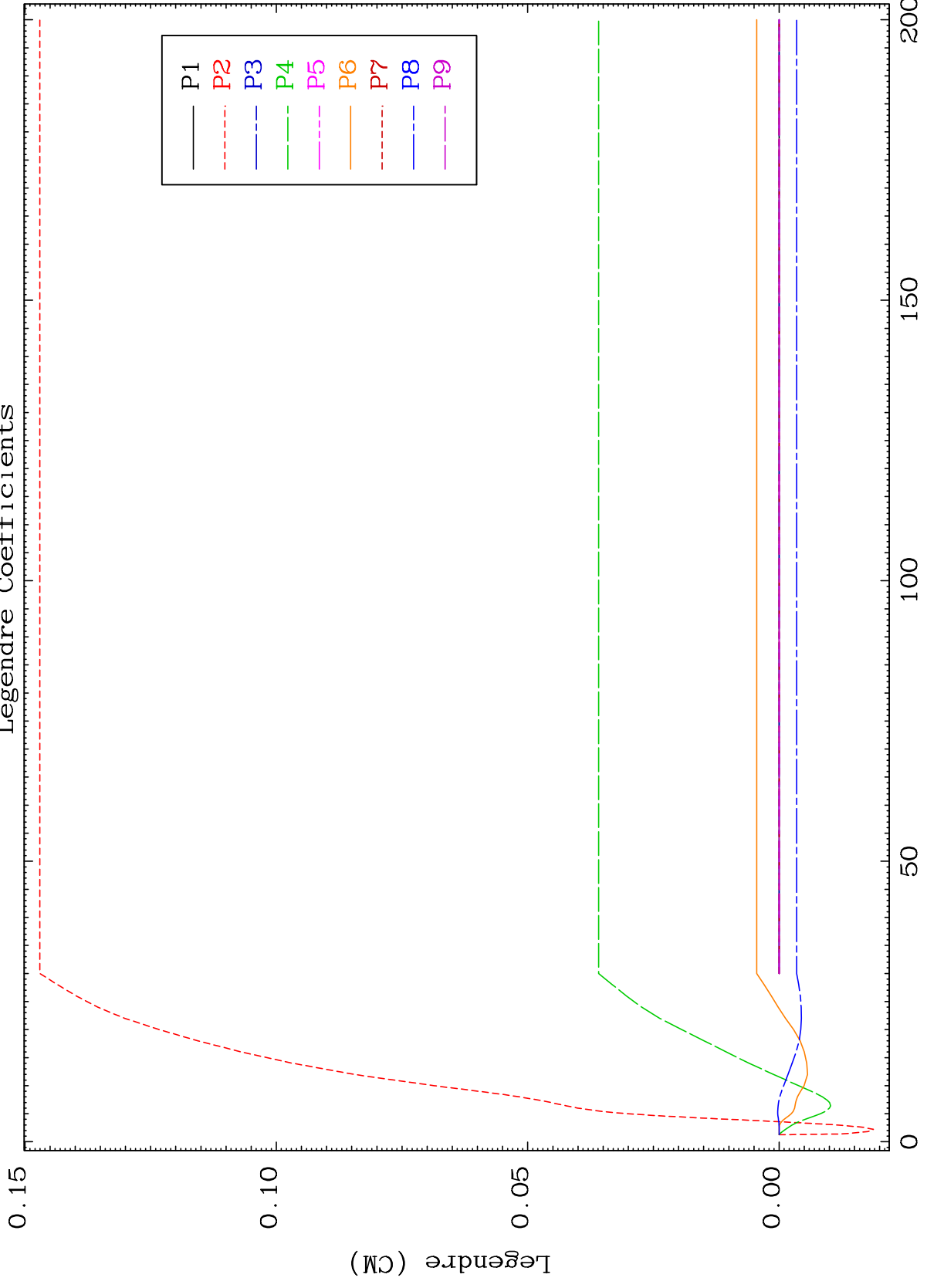


89

Incident Energy (MeV)

53-I -123

MAT 5313 MT= 71 (n,n') Level Legendre Coefficients 53-I -123

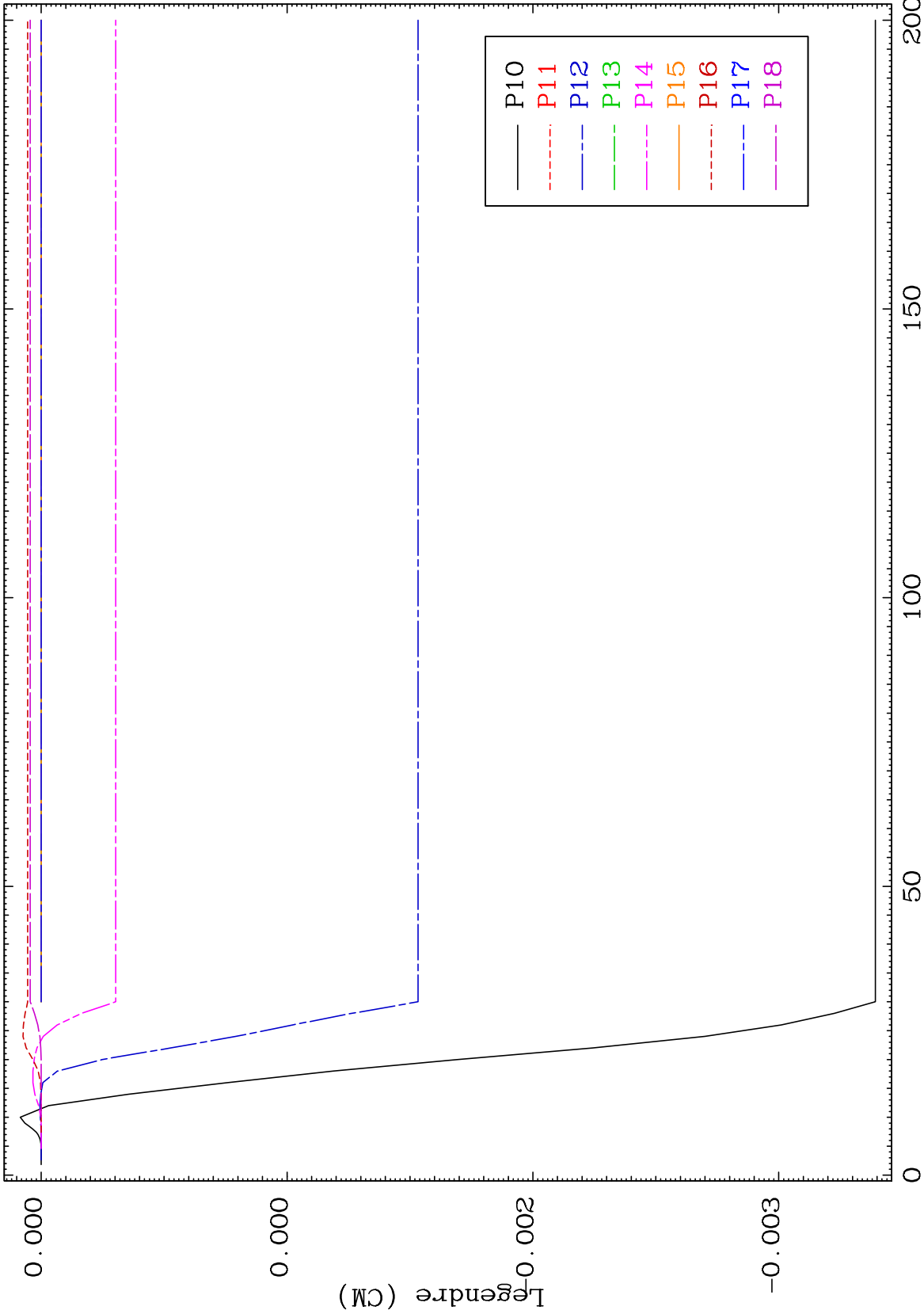


53-I -123

MAT 5313

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

53-I -123



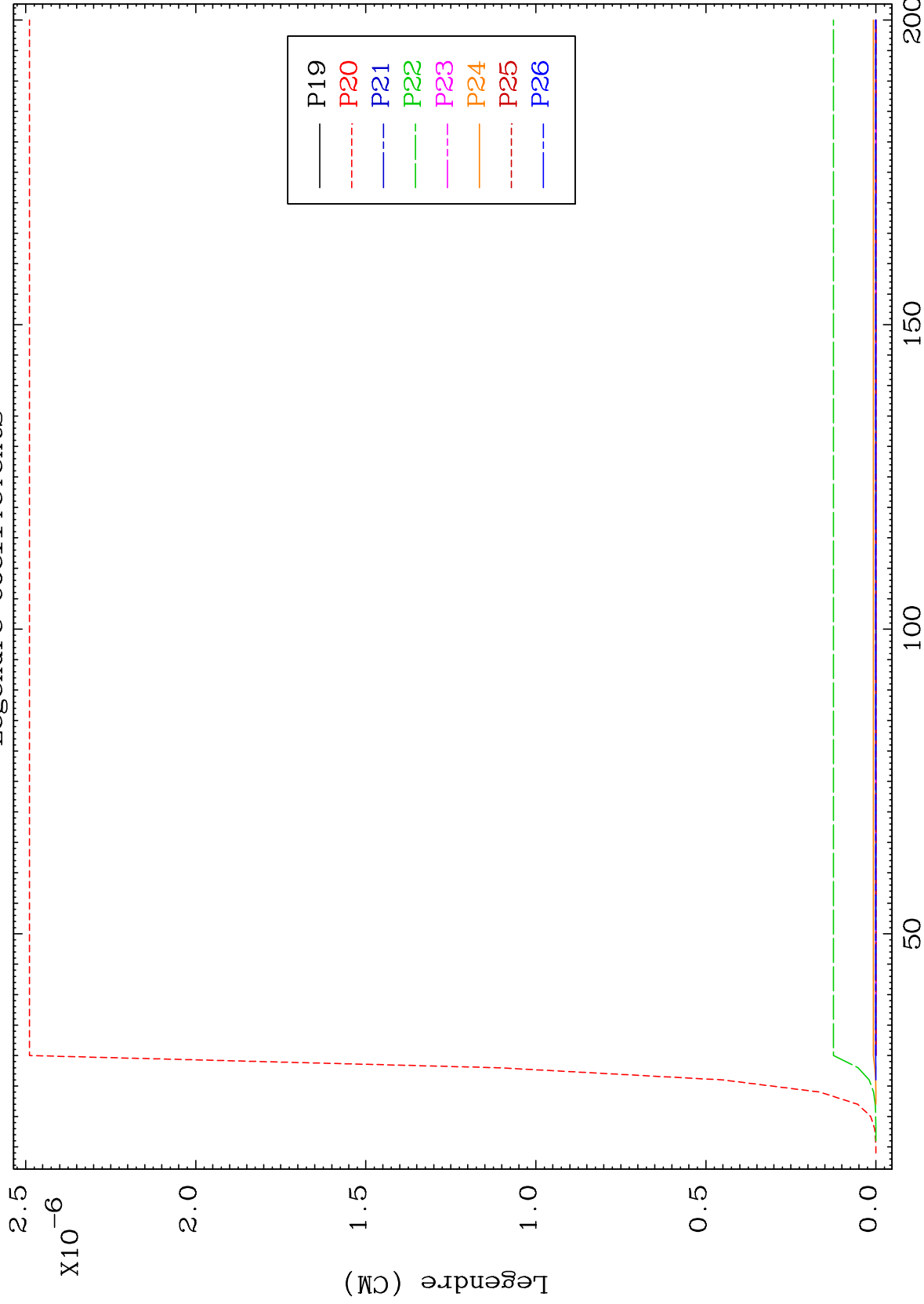
91

53-I -123

MAT 5313

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

53-I -123



92

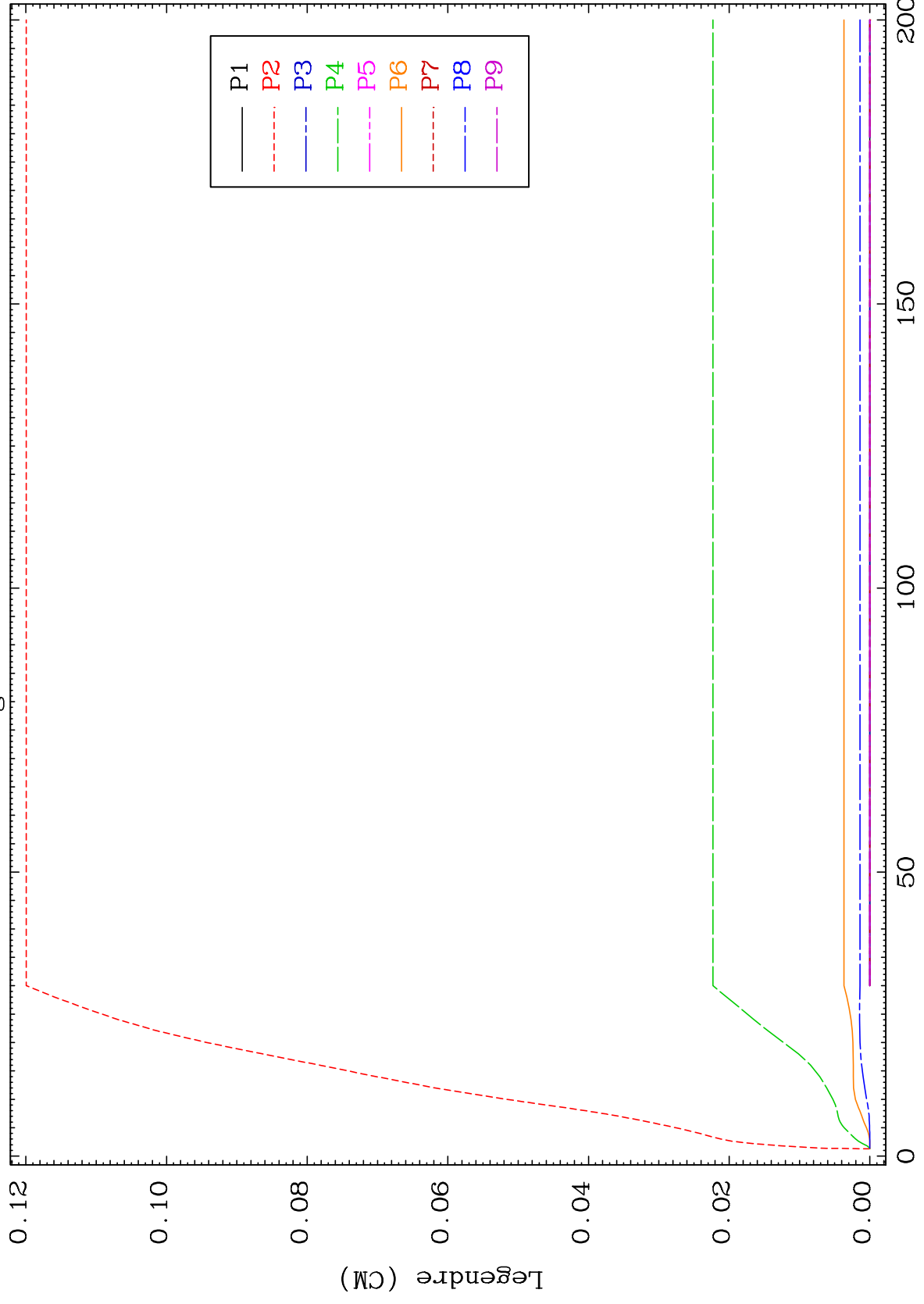
Incident Energy (MeV)

53-I -123

MAT 5313

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

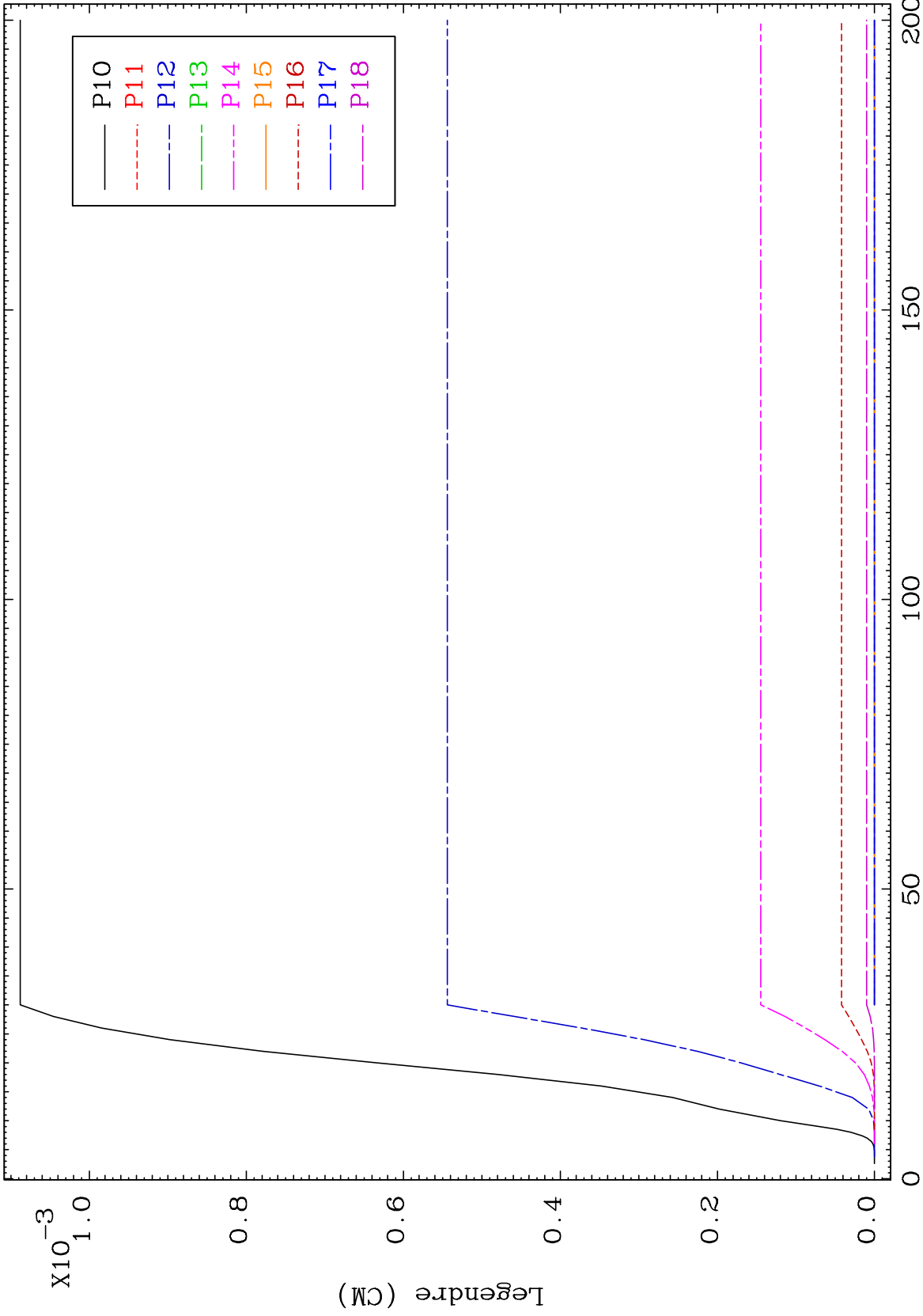
53-I -123



93

Incident Energy (MeV)

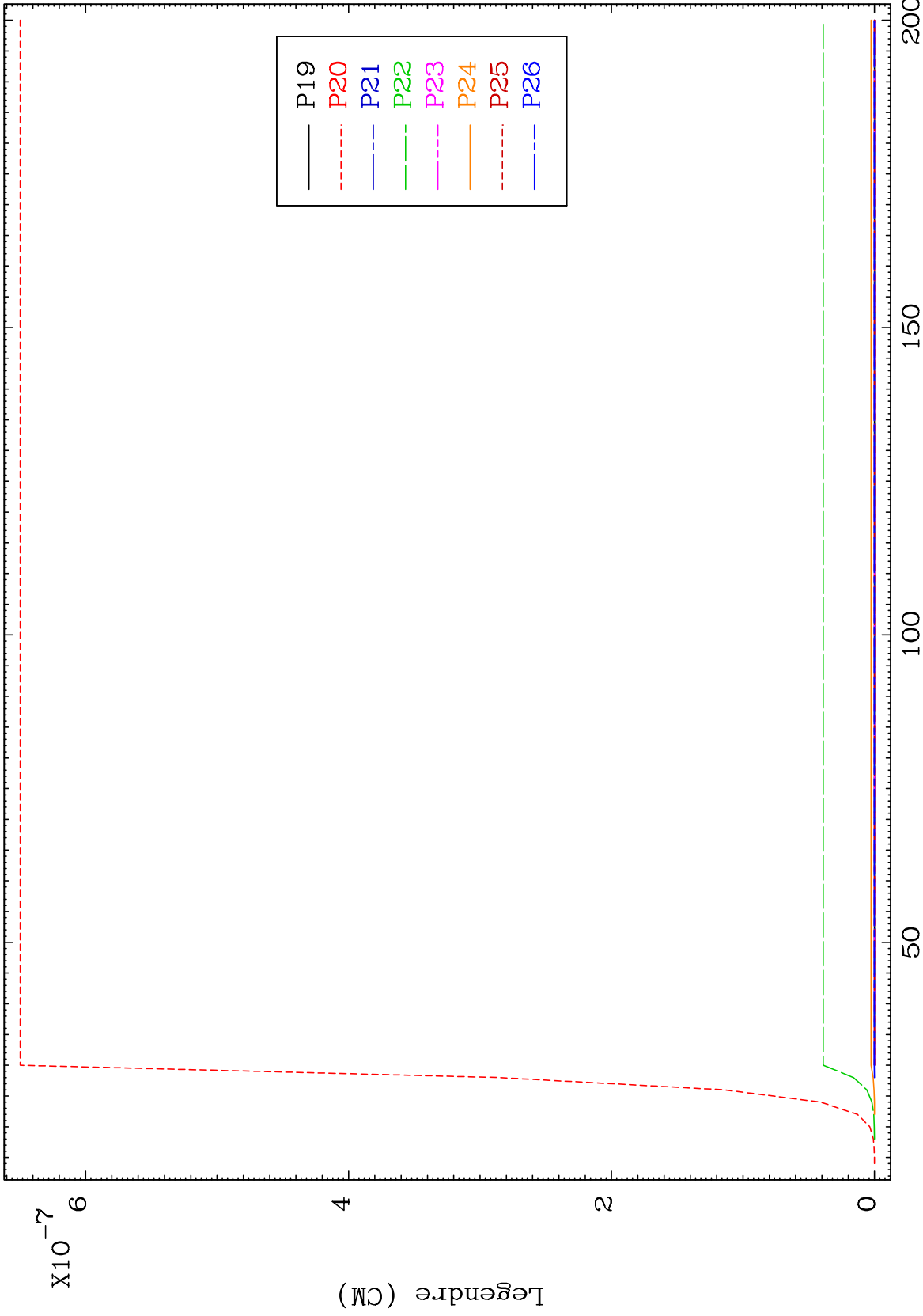
53-I -123



MAT 5313

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

53-I -123



95

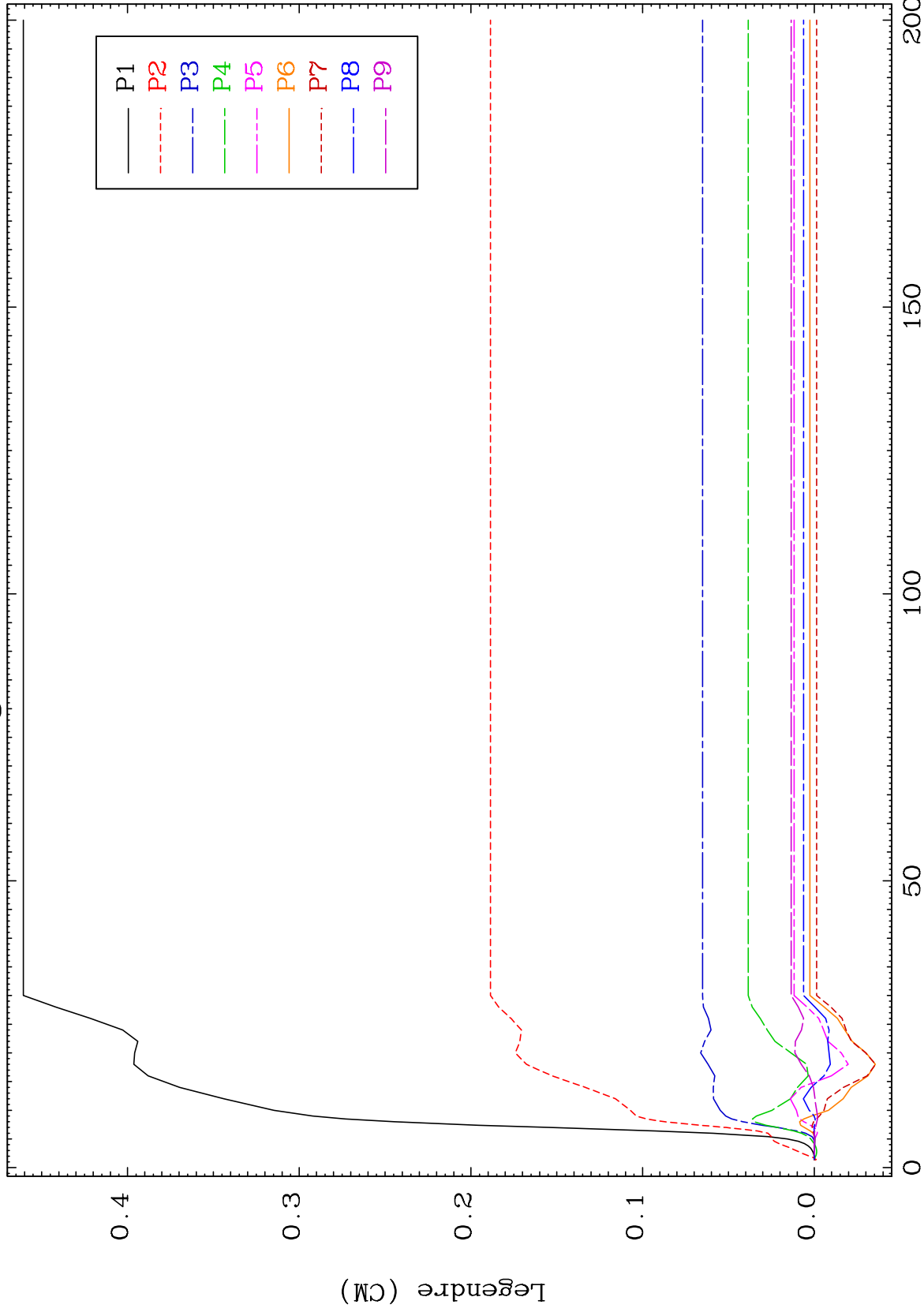
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



96

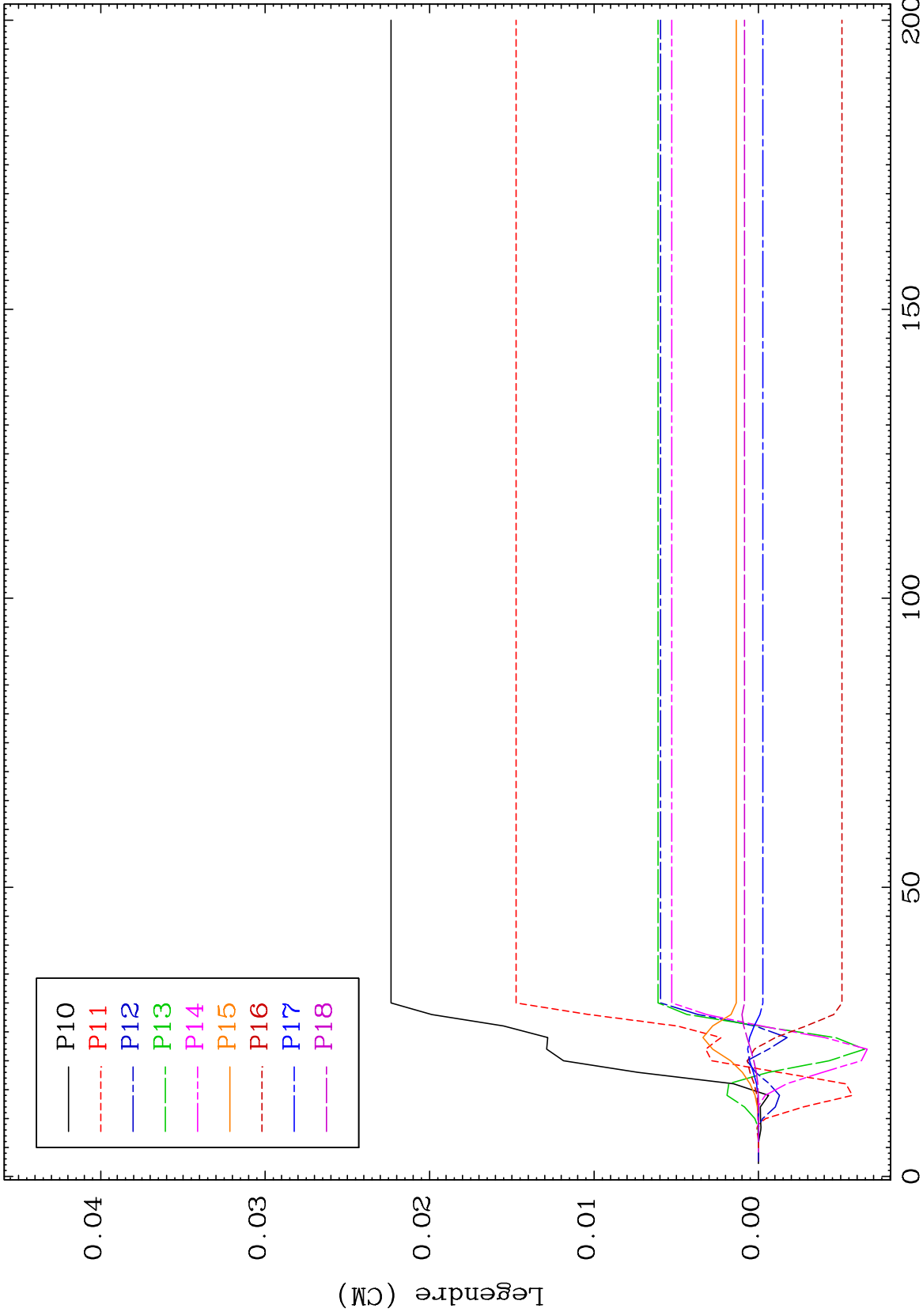
Incident Energy (MeV)

53-I -123

MAT 5313

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

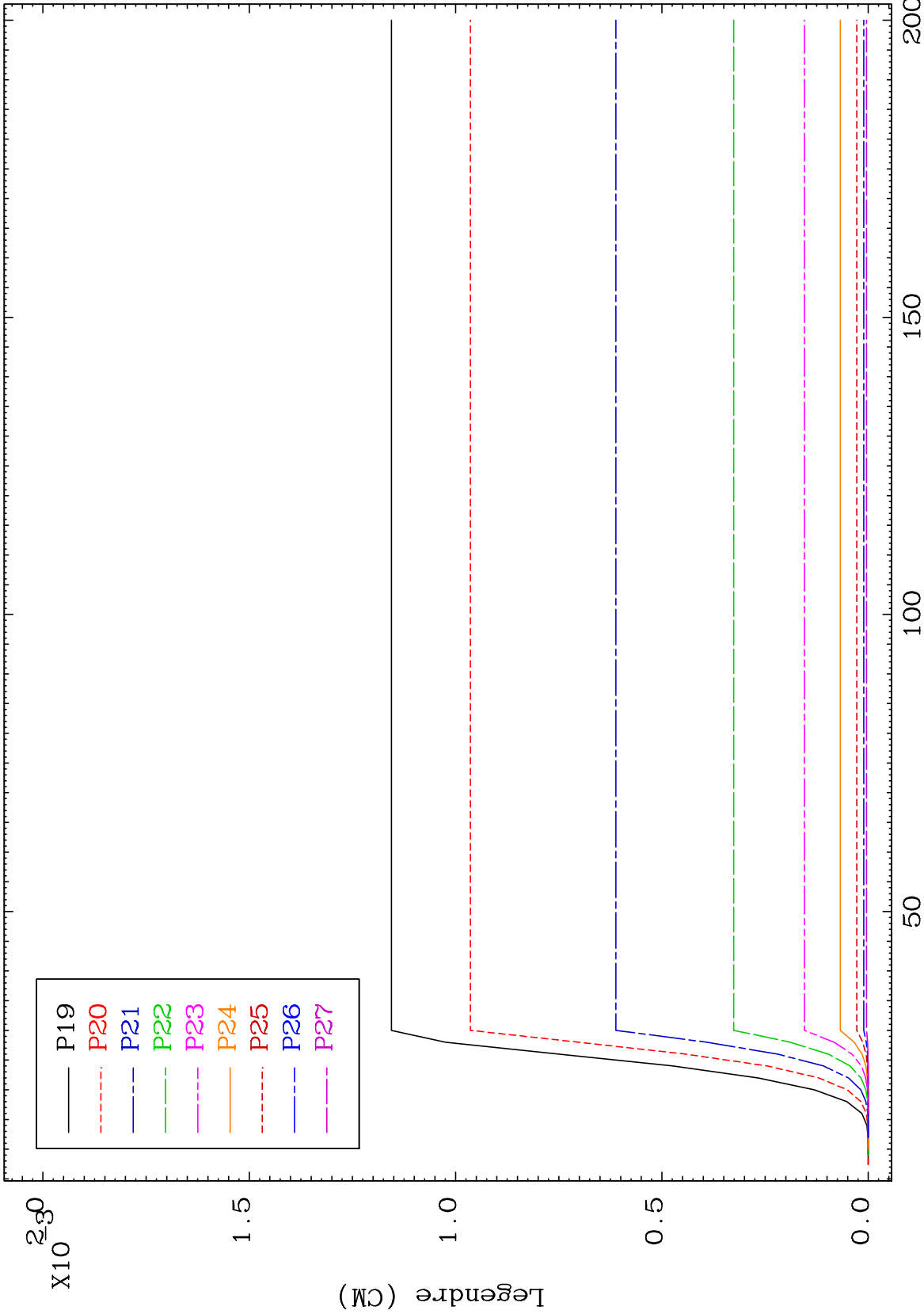
53-I -123



97

Incident Energy (MeV)

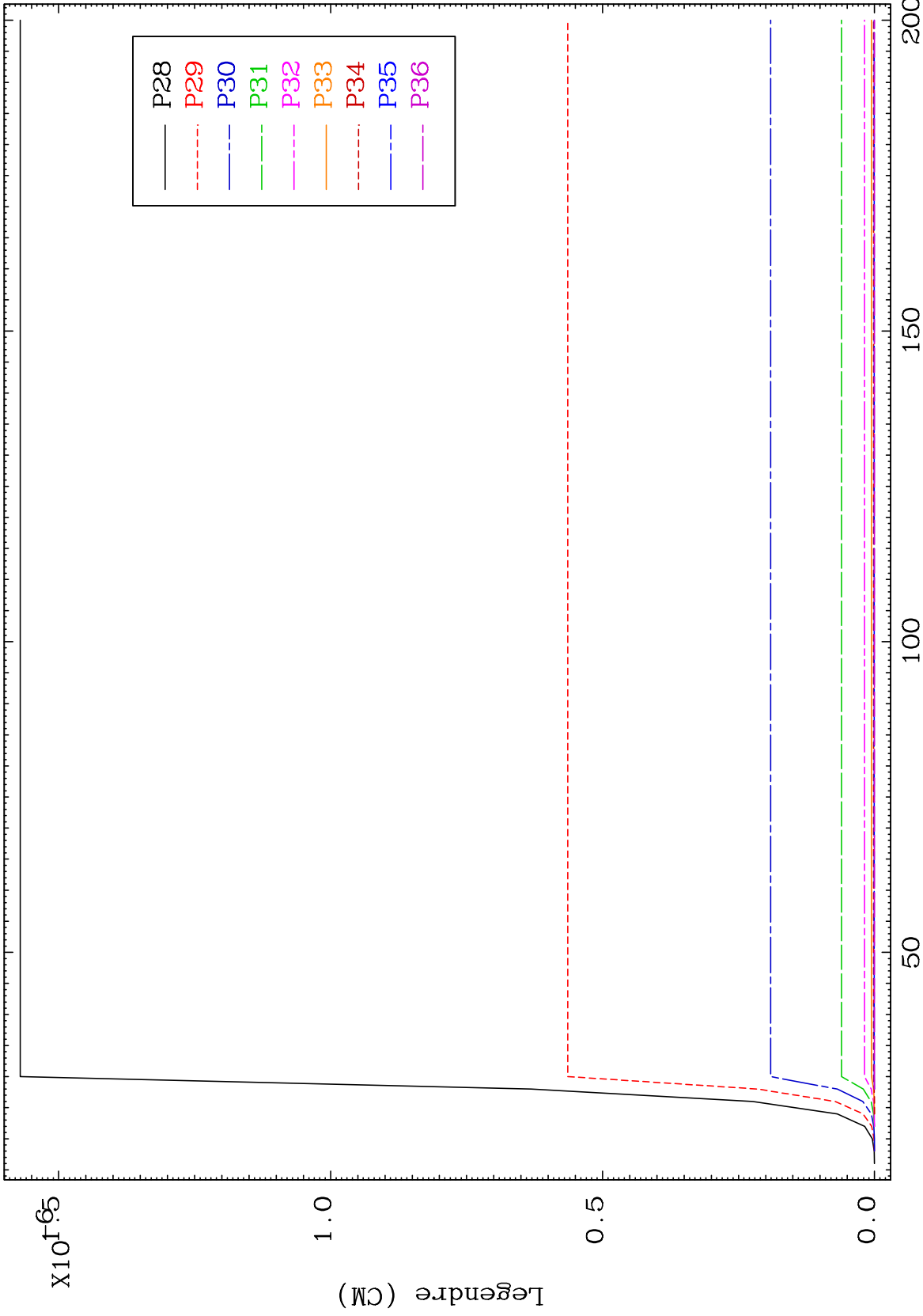
53-I -123



MAT 5313

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

53-I -123



99

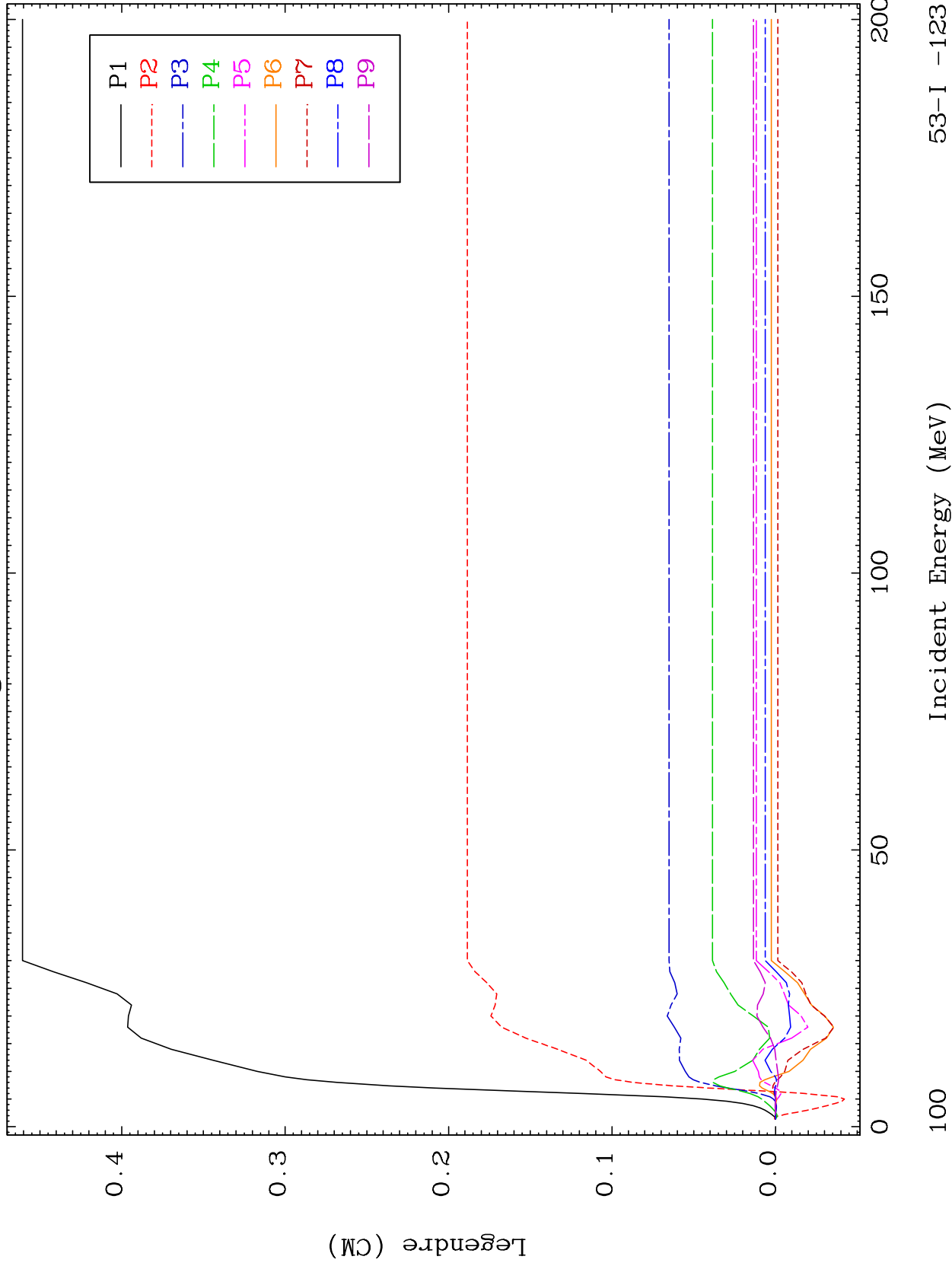
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123

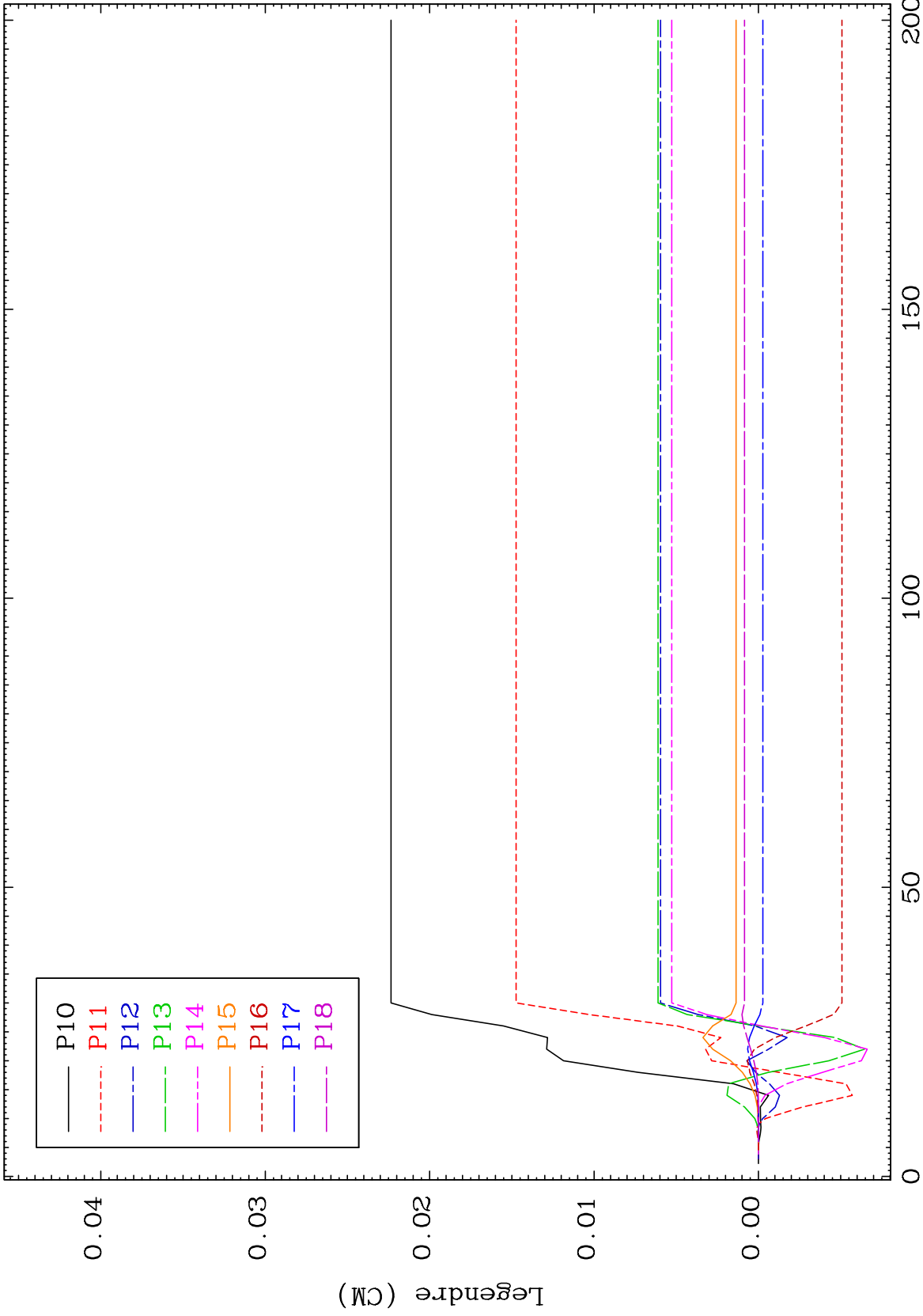


53-I -123

MAT 5313

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

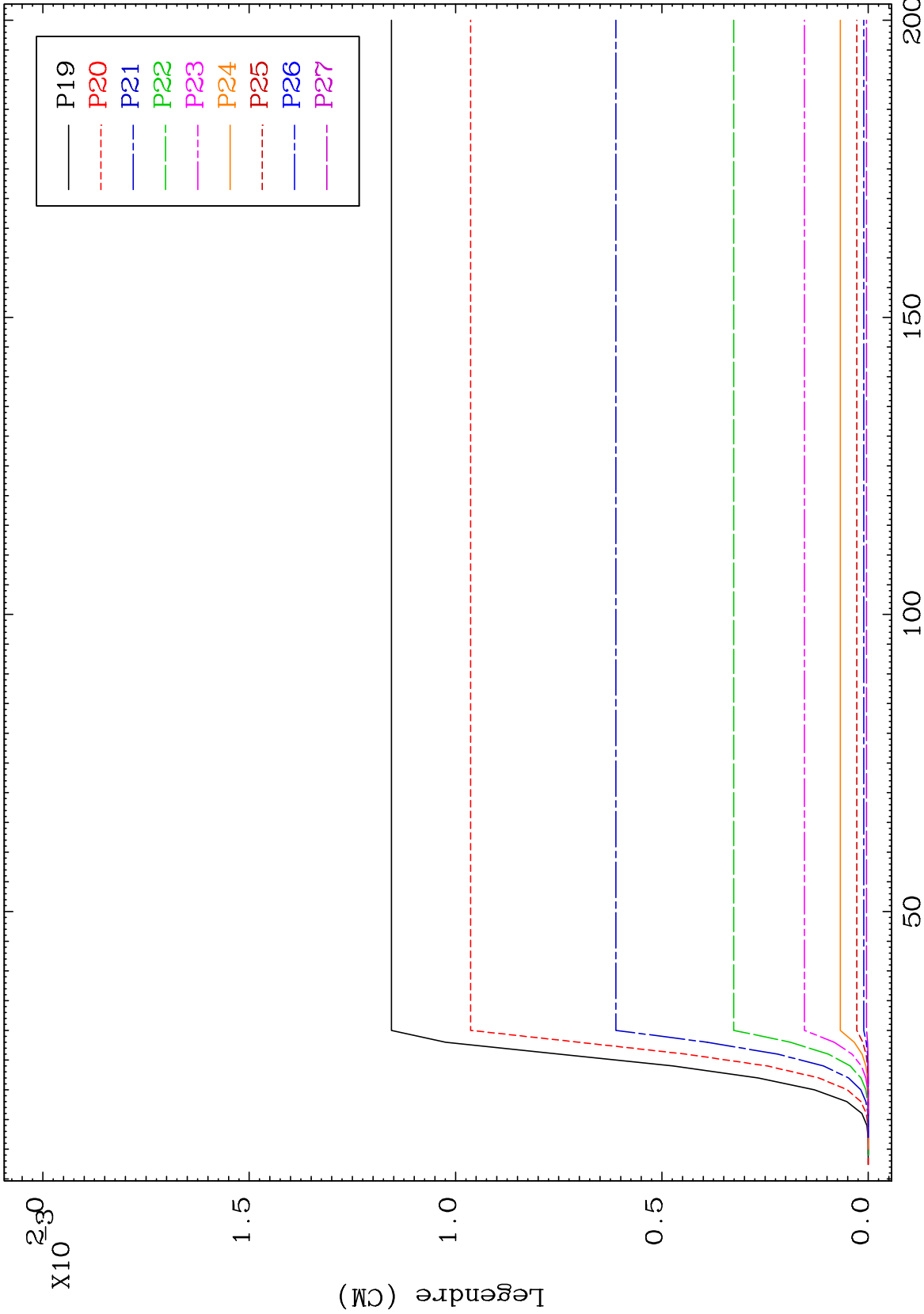
53-I -123



101

Incident Energy (MeV)

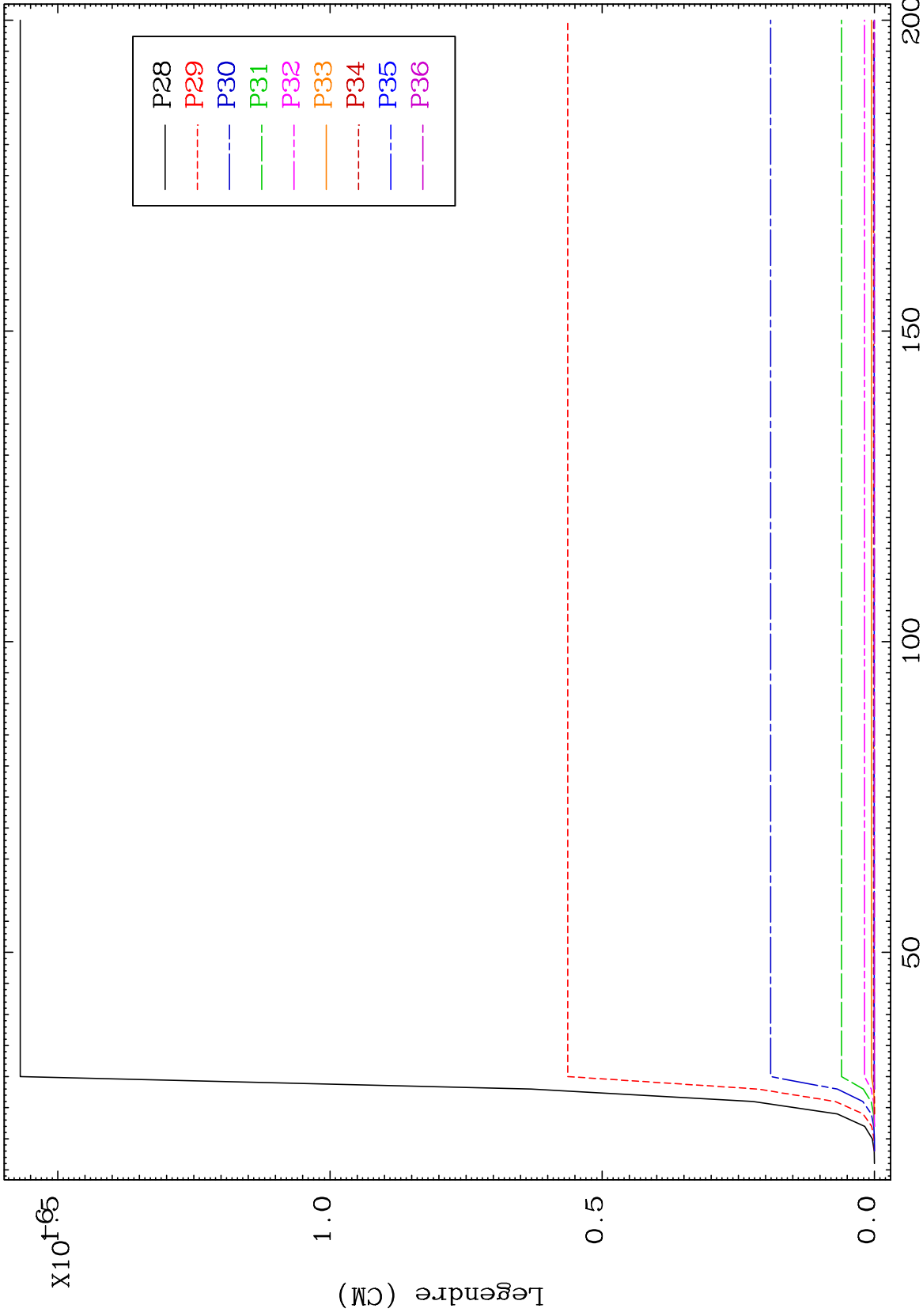
53-I -123



MAT 5313

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

53-I -123

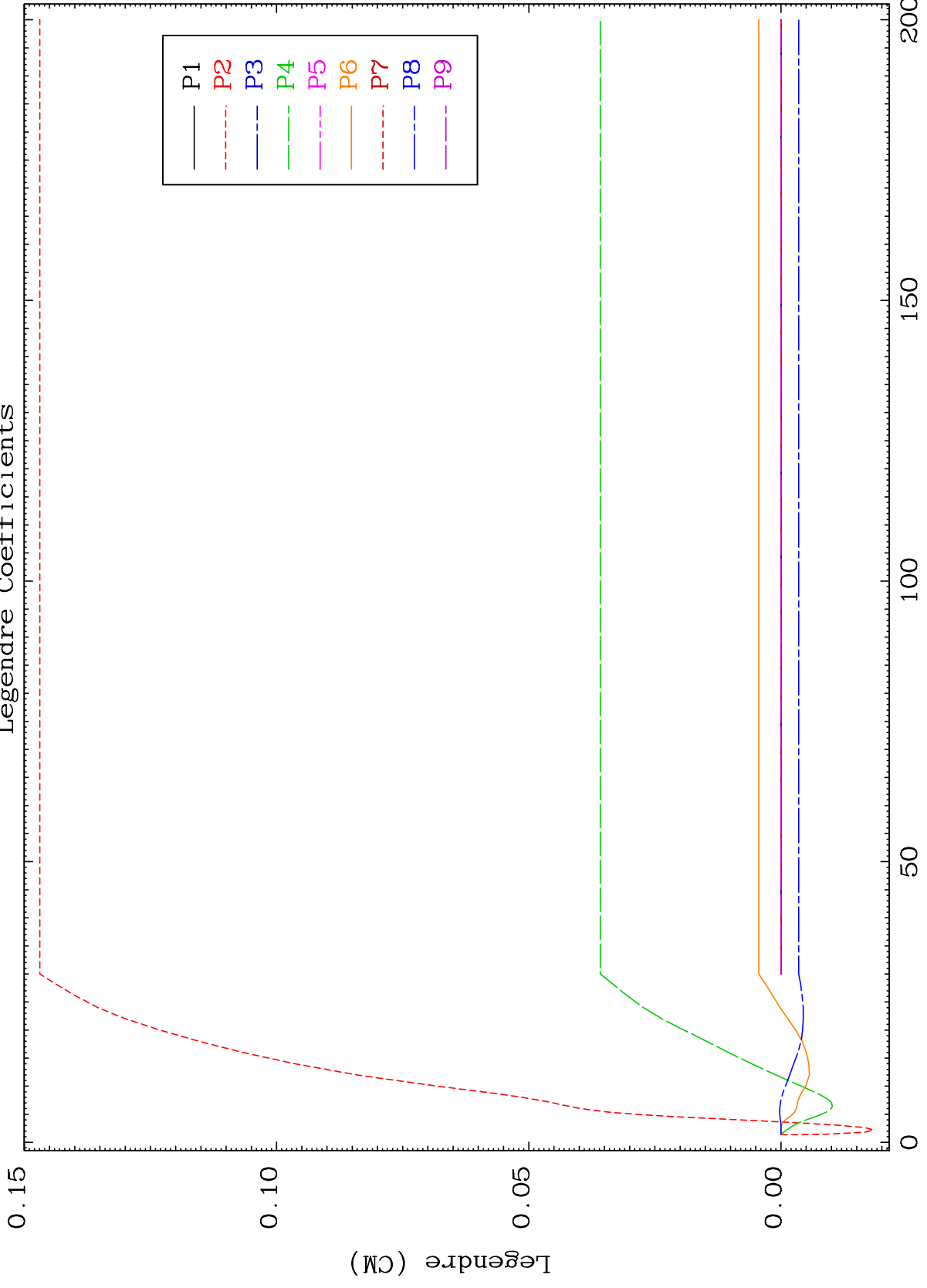


103

Incident Energy (MeV)

53-I -123

MAT 5313 MT= 75 (n,n') Level Legendre Coefficients 53-I -123

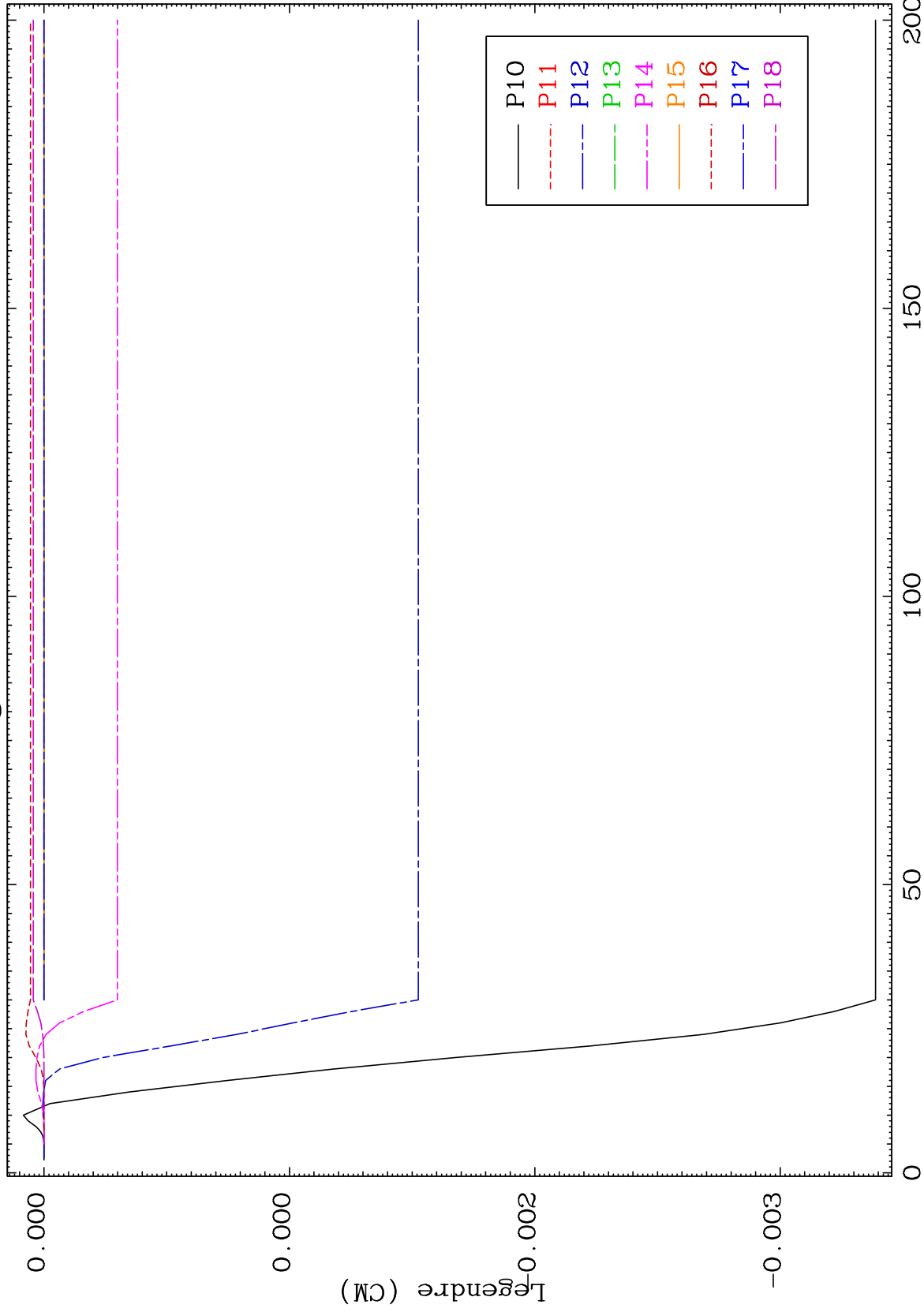


104 53-I -123

MAT 5313

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

53-I -123



105

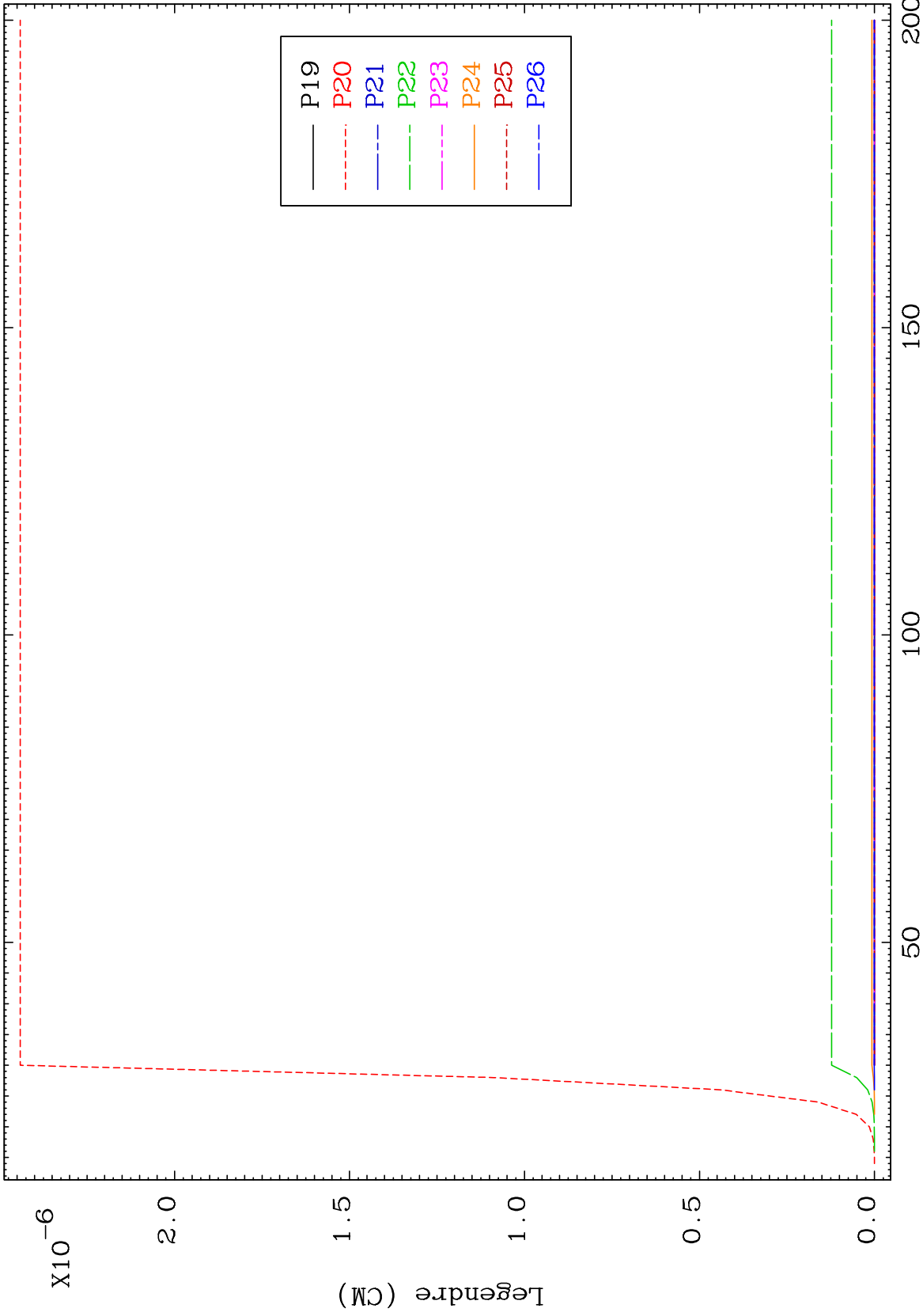
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



106

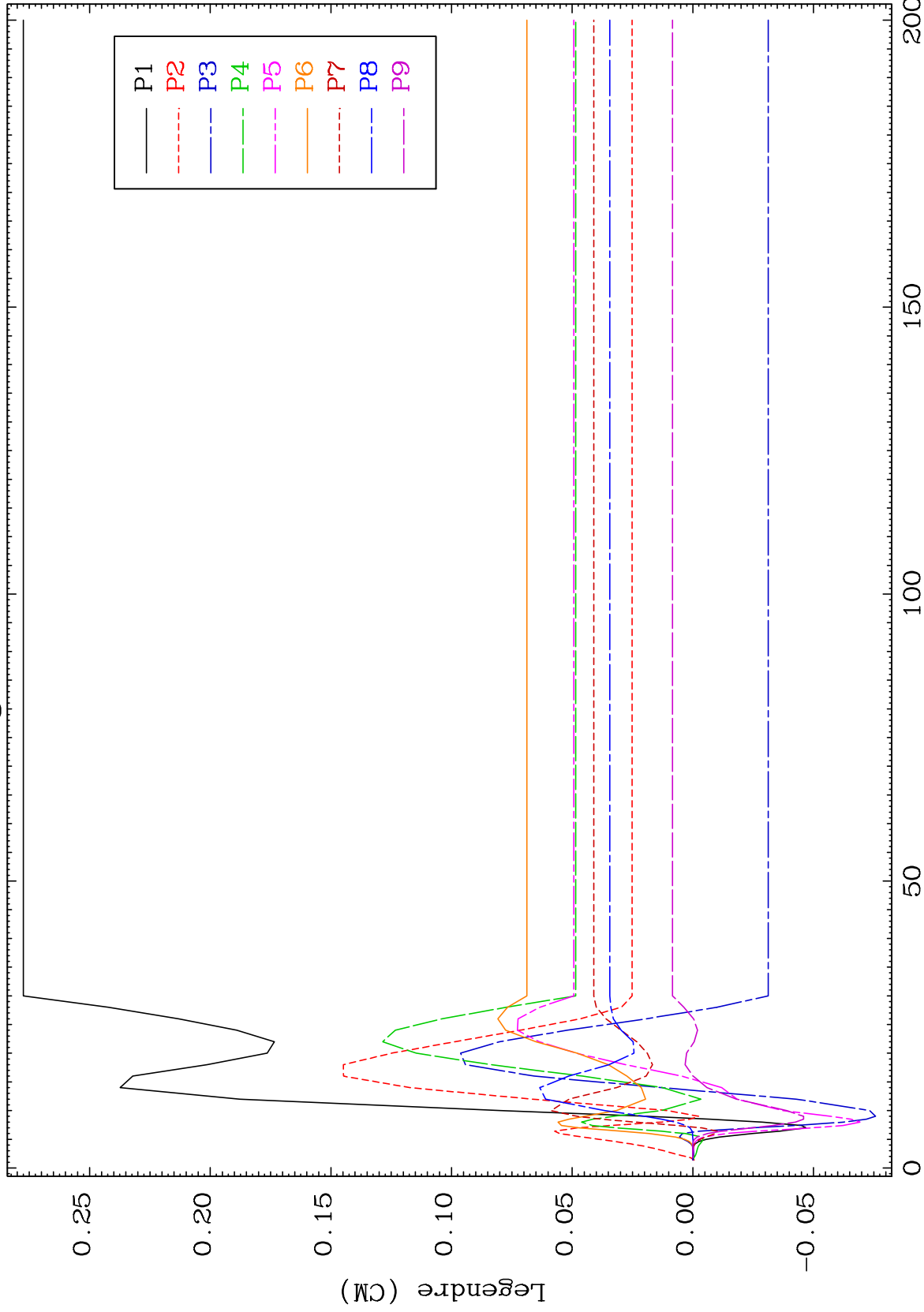
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



107

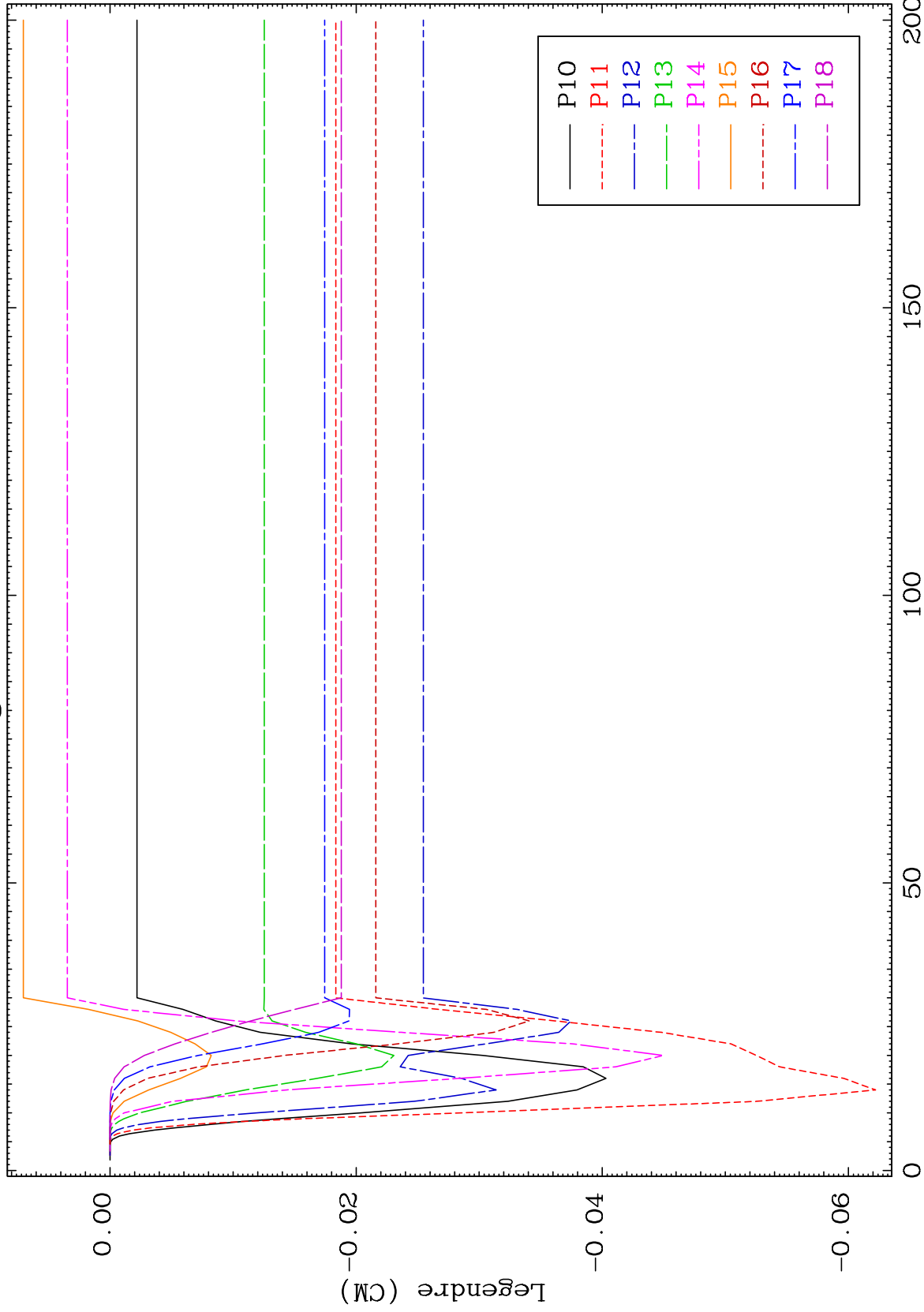
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



108

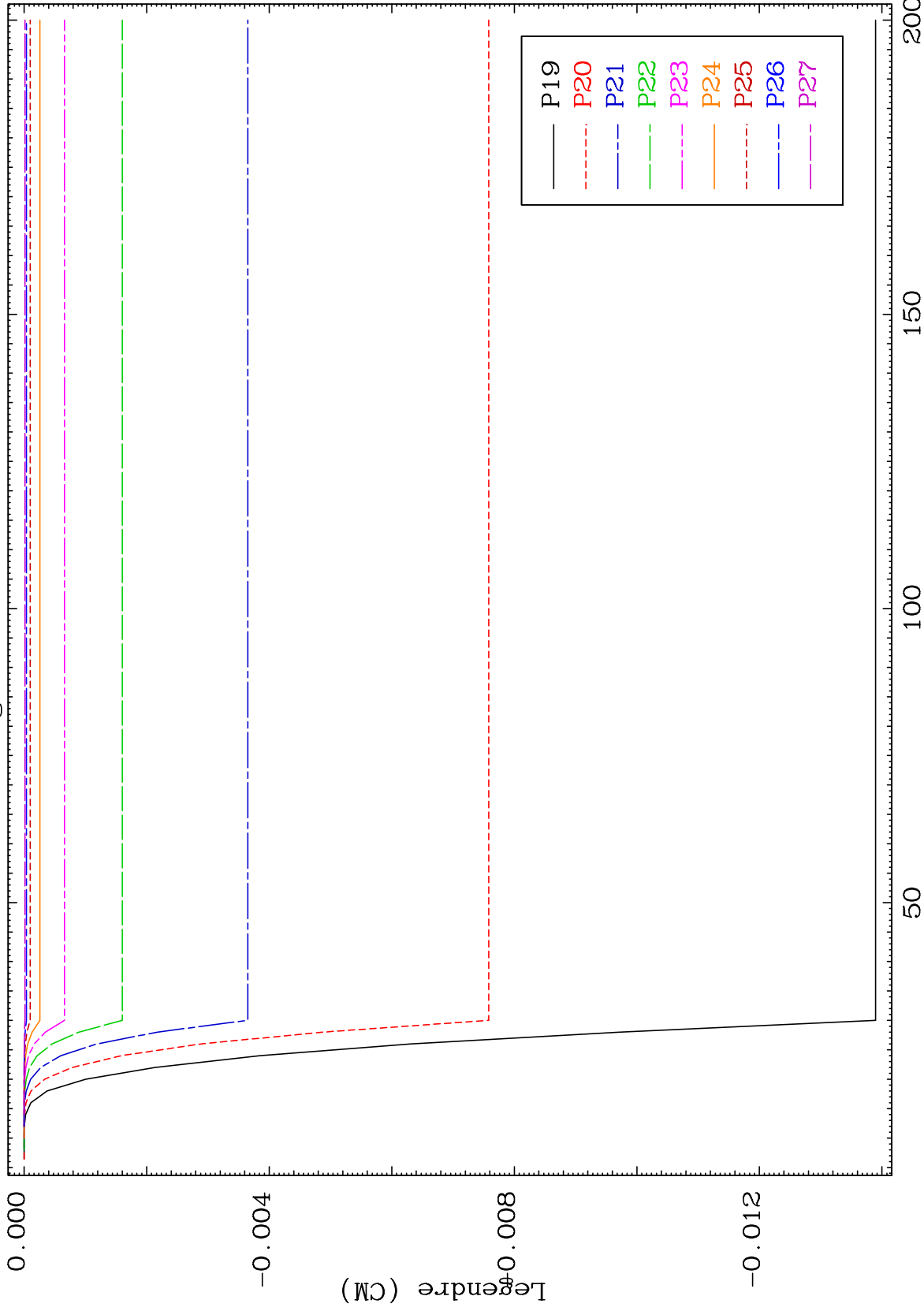
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123

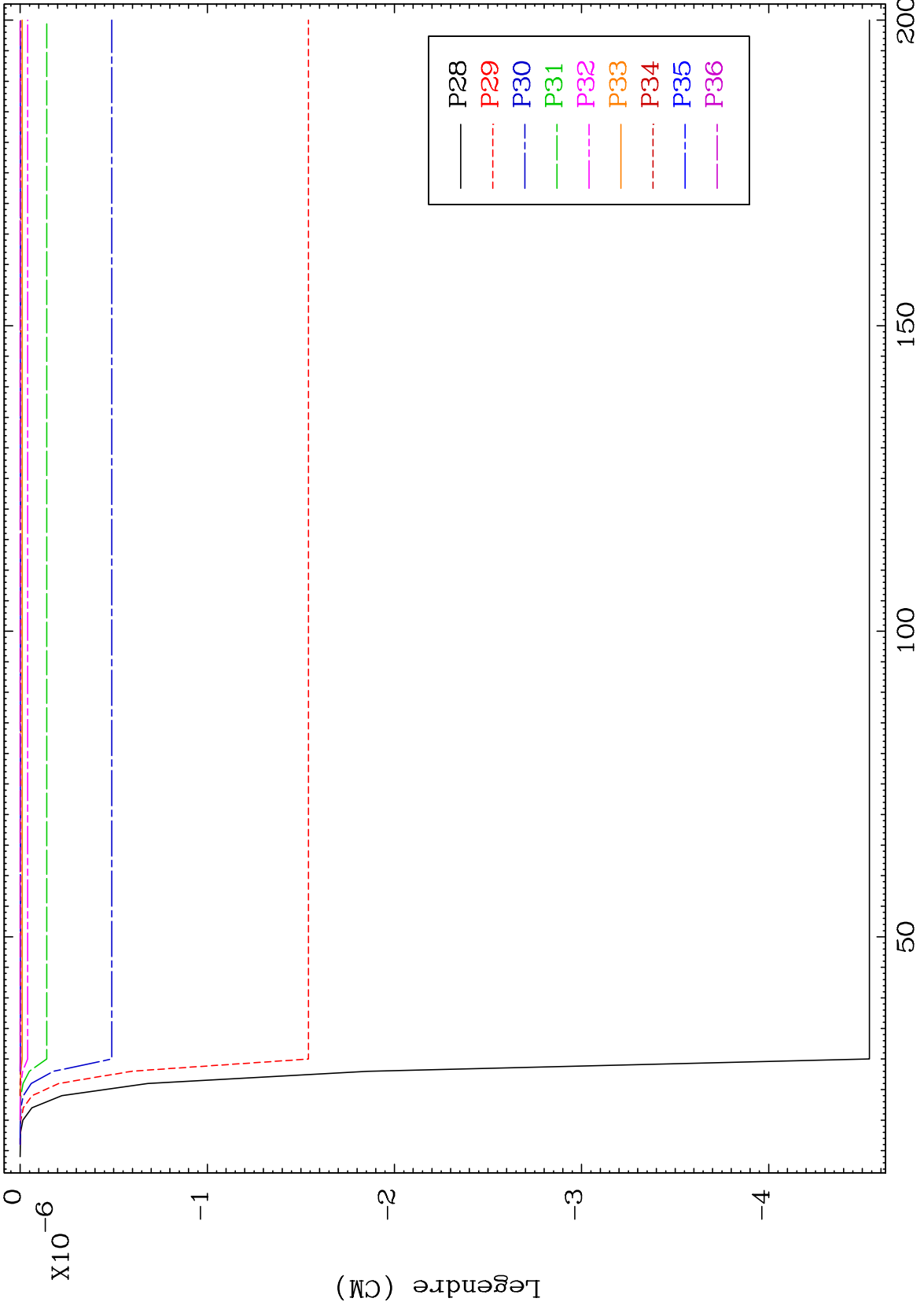


109

Incident Energy (MeV)

53-I -123

MAT 5313 MT= 76 (n,n') Level Legendre Coefficients 53-I -123

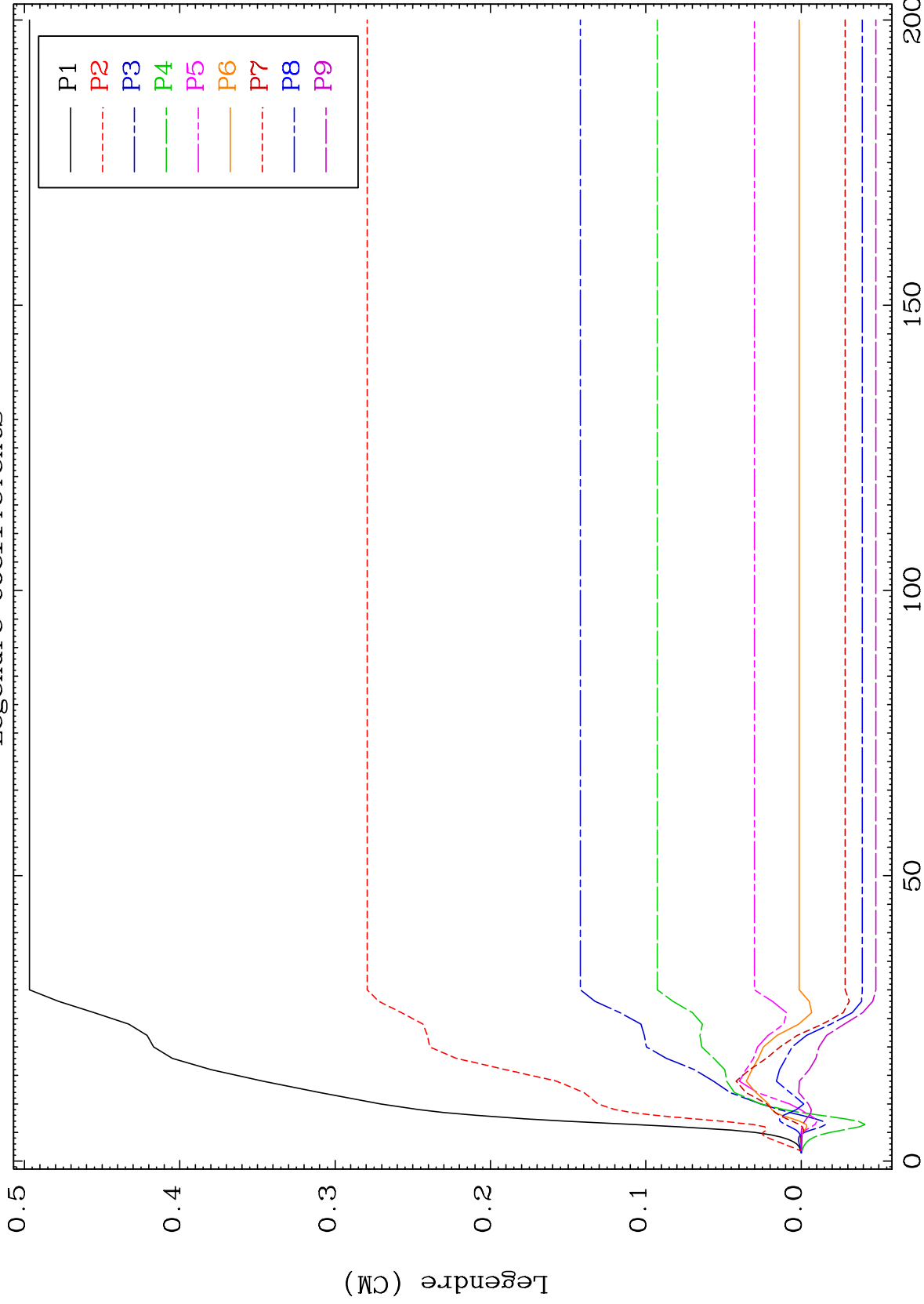


110 53-I -123

MAT 5313

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

53-I -123



111

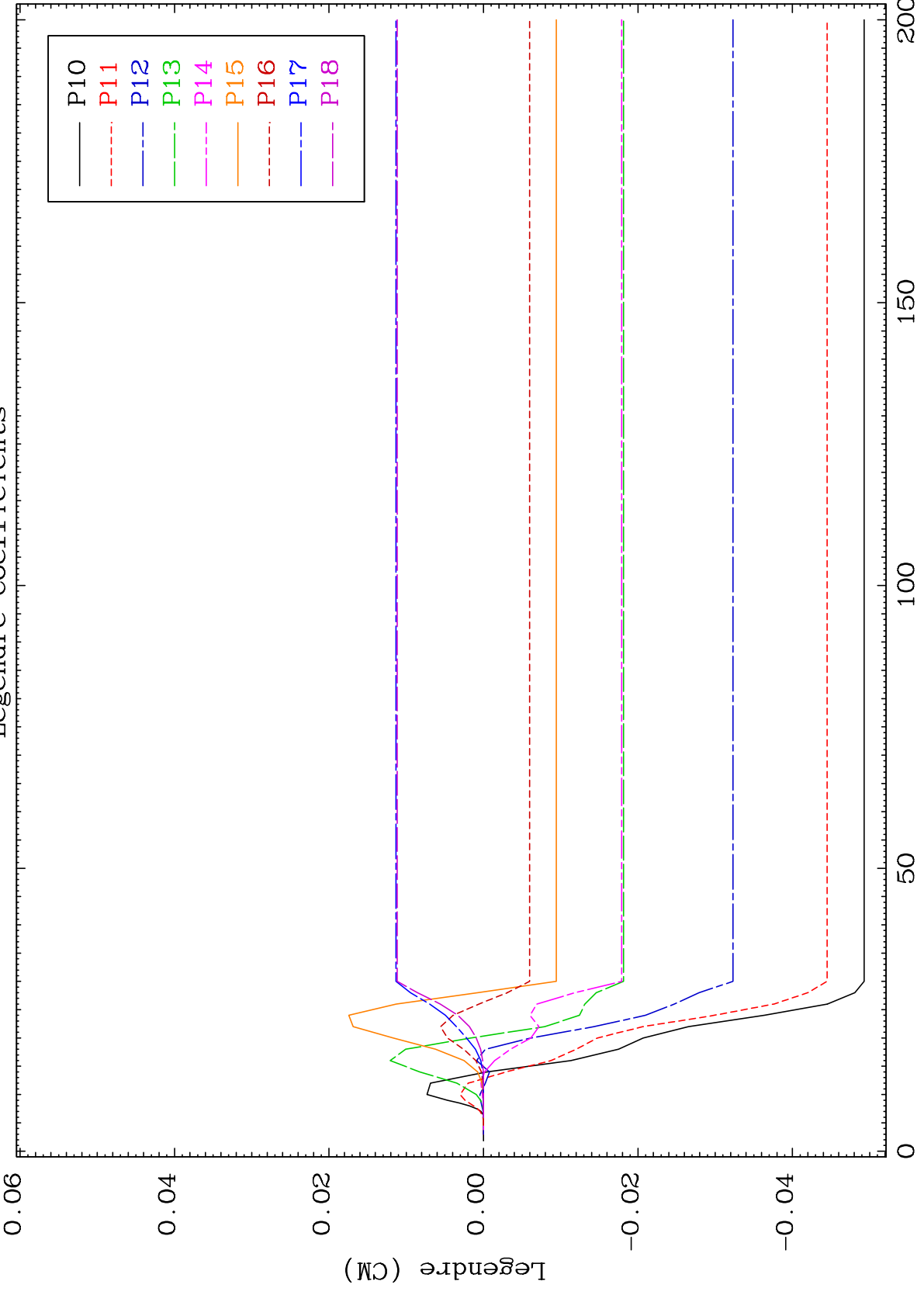
Incident Energy (MeV)

53-I -123

MAT 5313

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

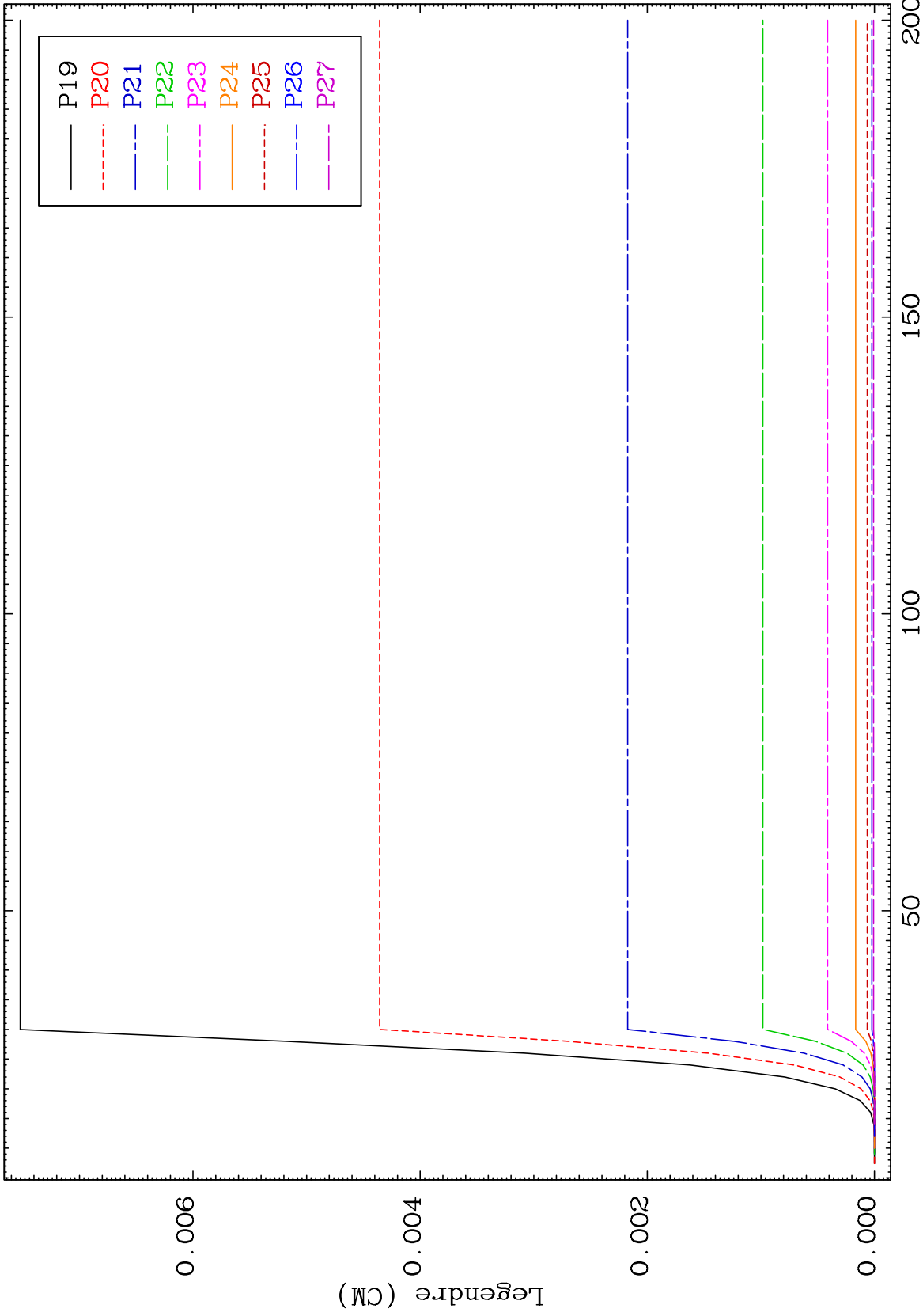
53-I -123



112

Incident Energy (MeV)

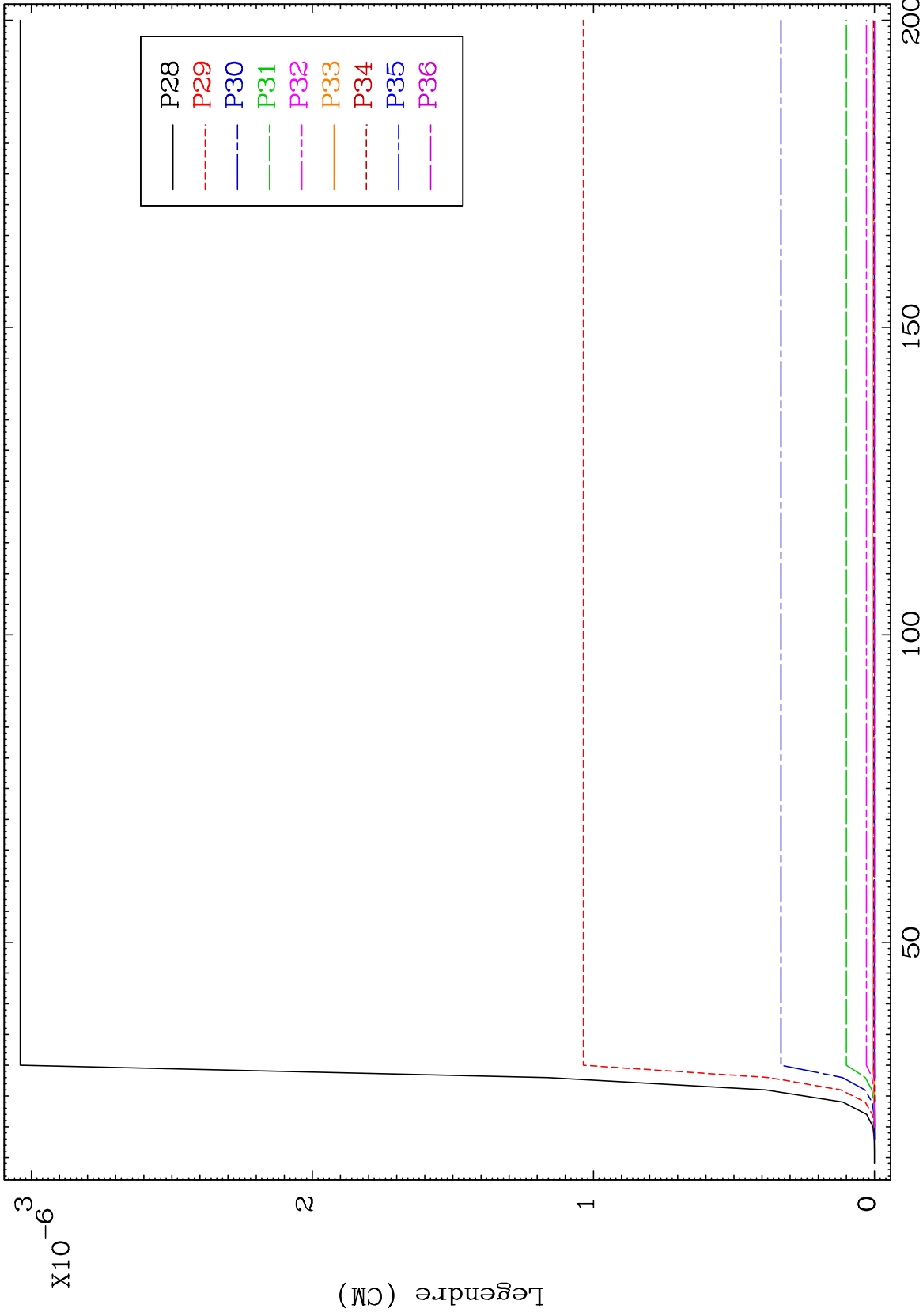
53-I -123



MAT 5313

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

53-I -123



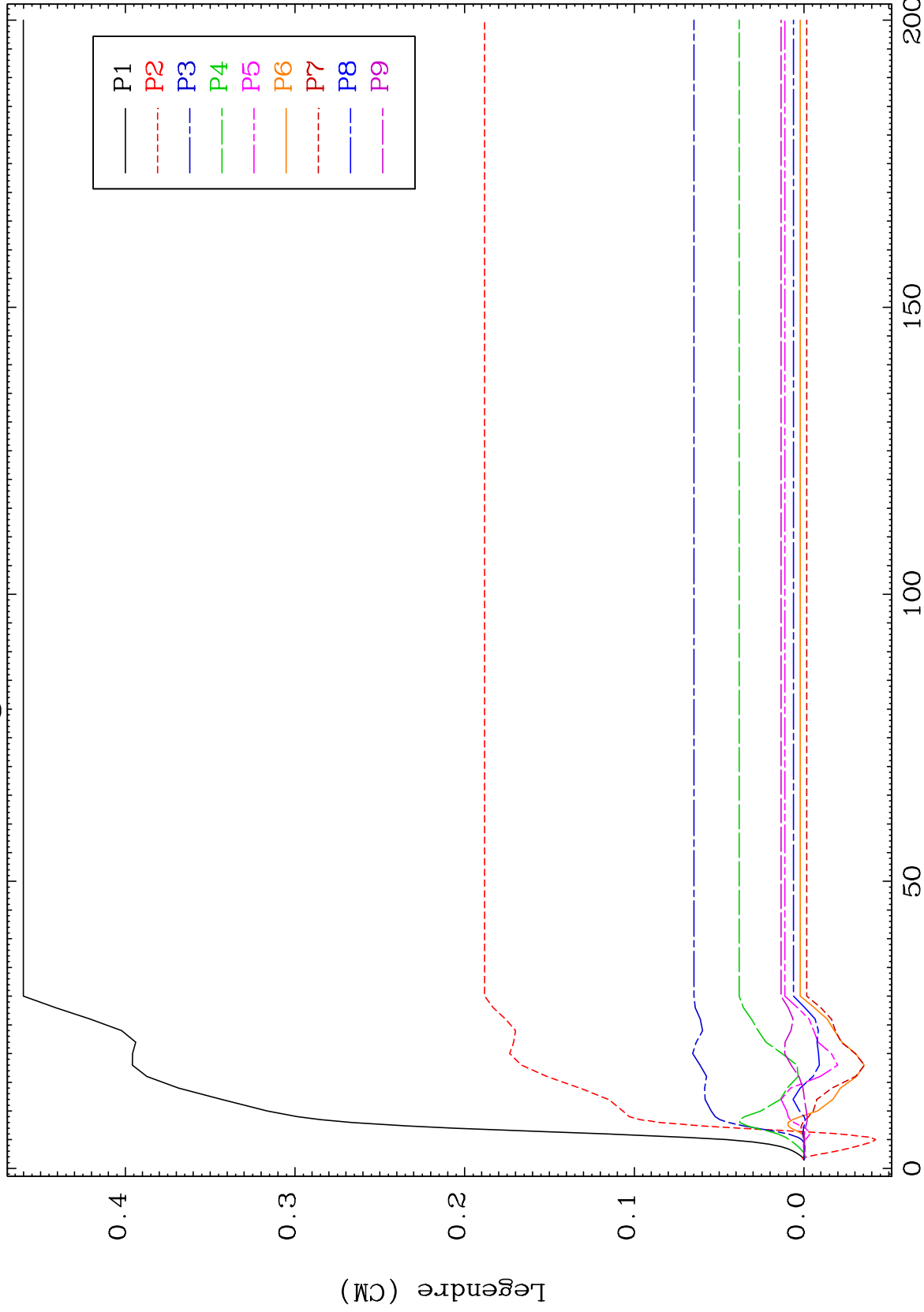
114

53-I -123

MAT 5313

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

53-I -123



115

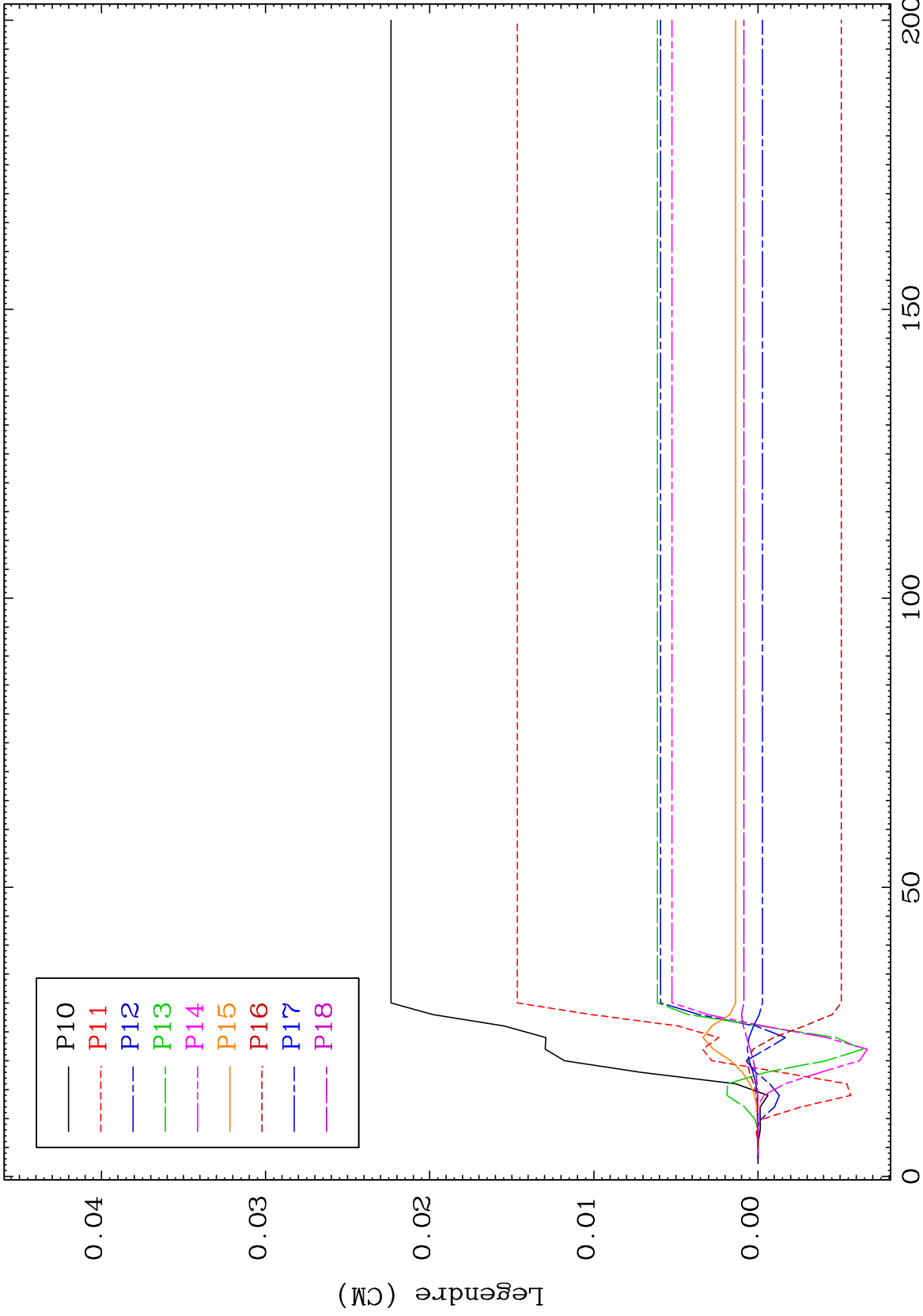
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



116

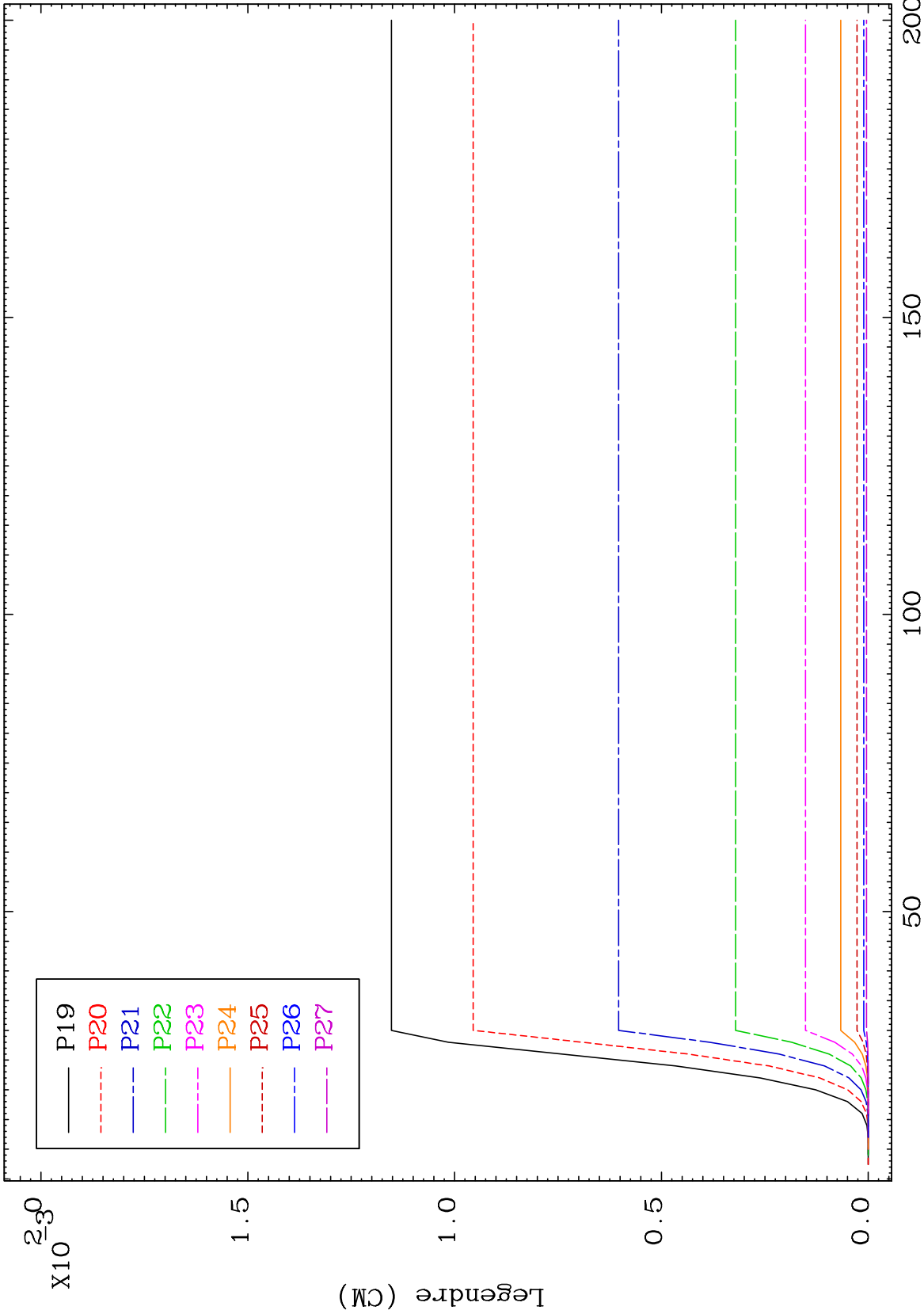
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



117

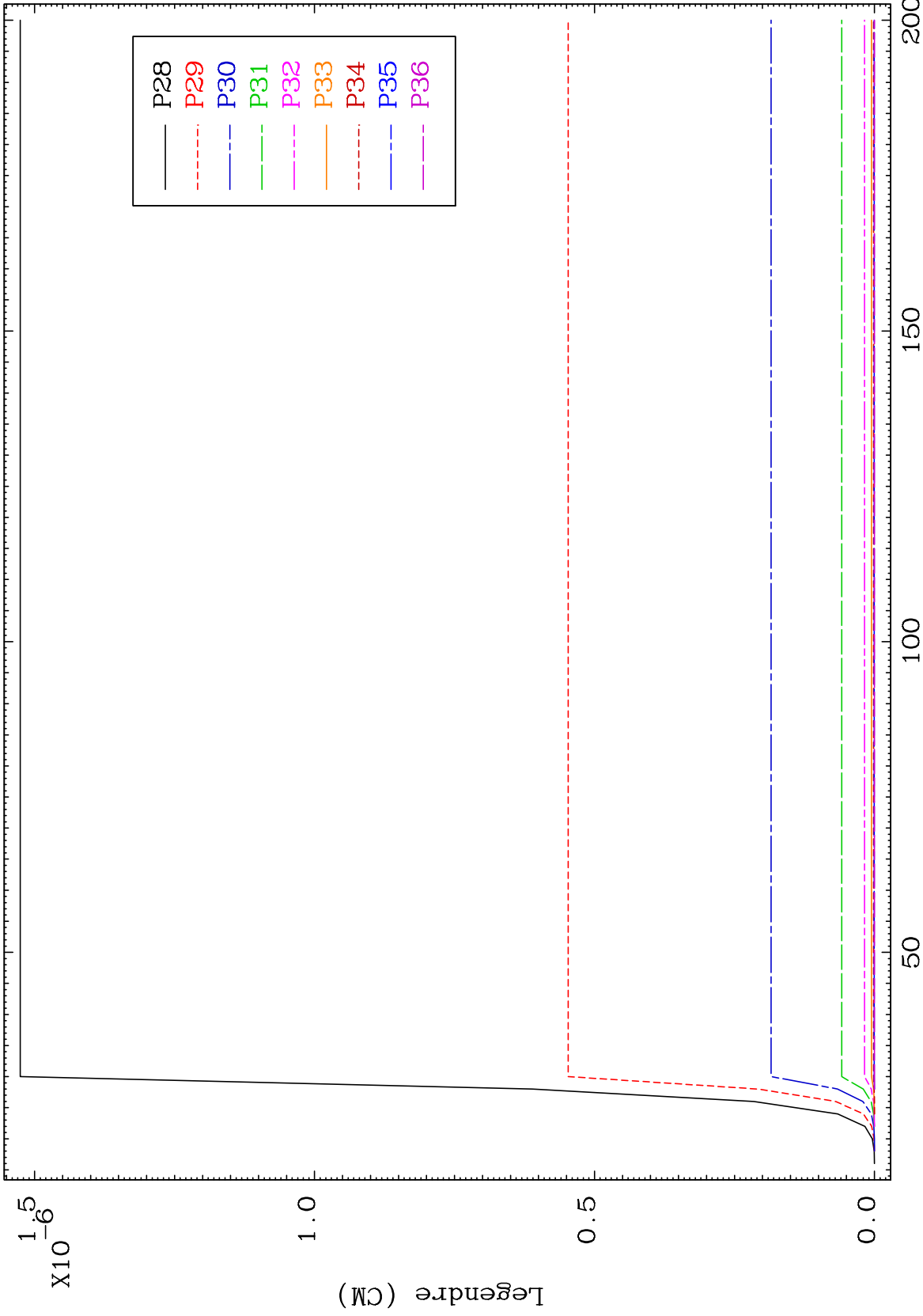
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



118

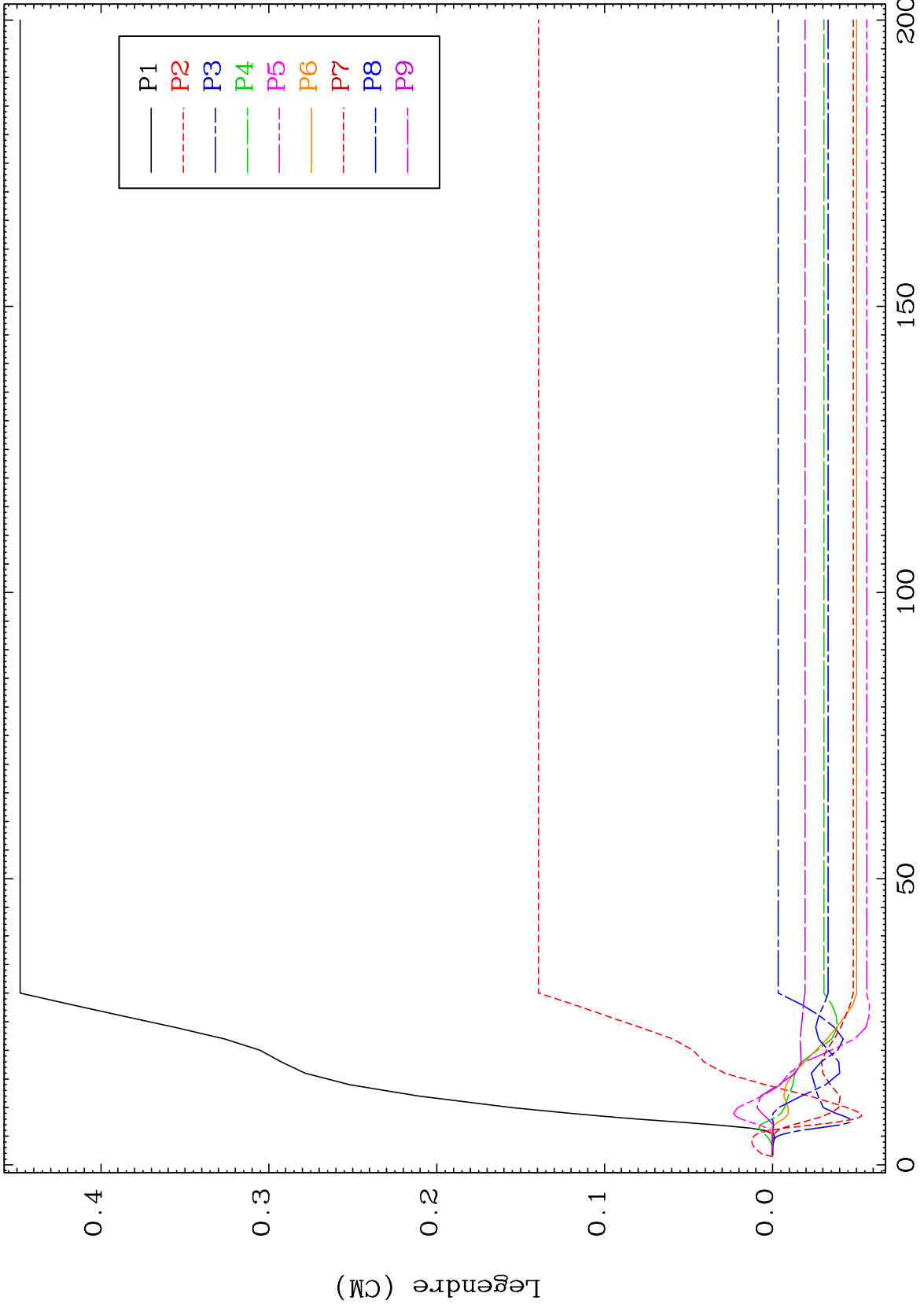
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



119

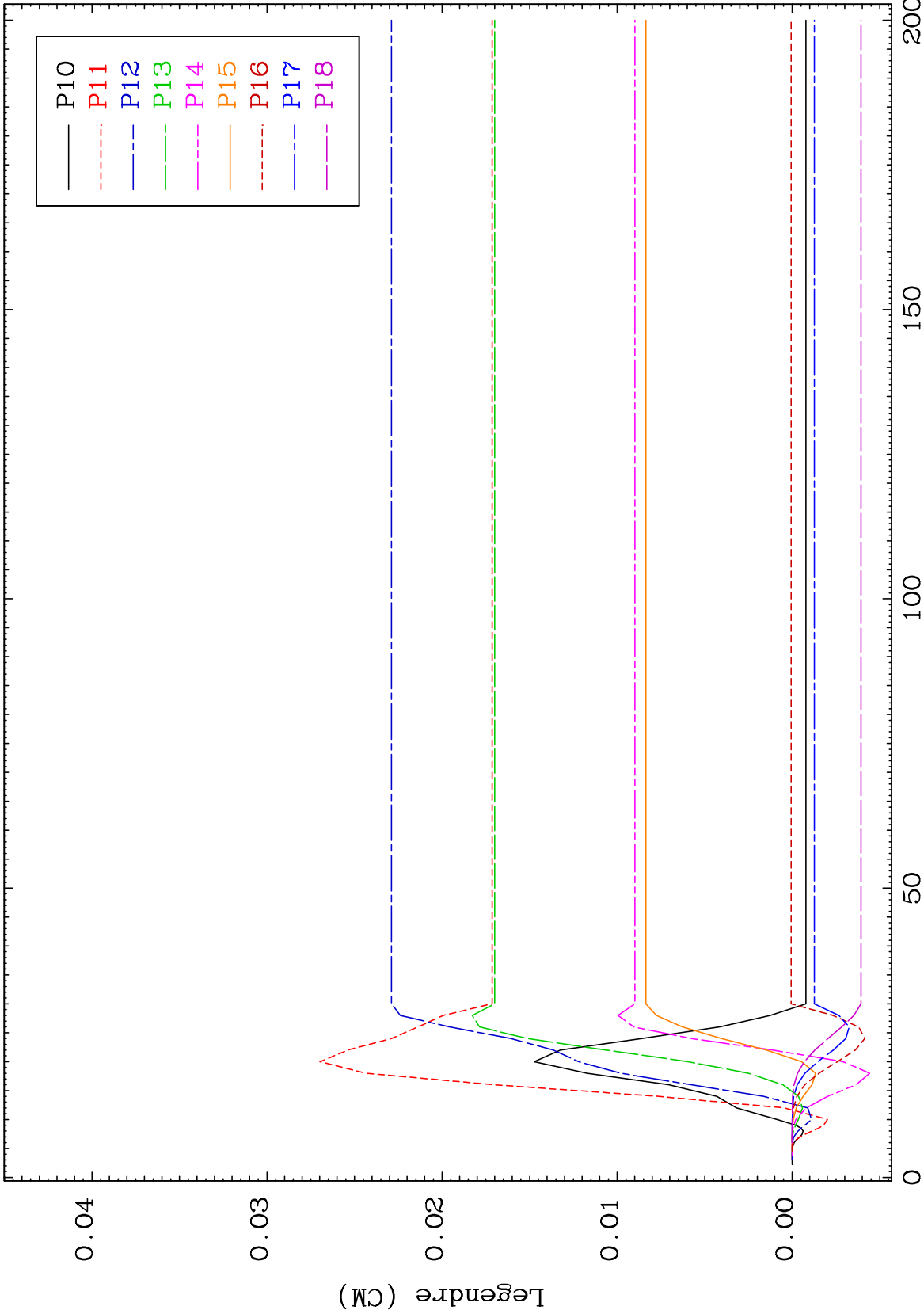
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



53-I -123

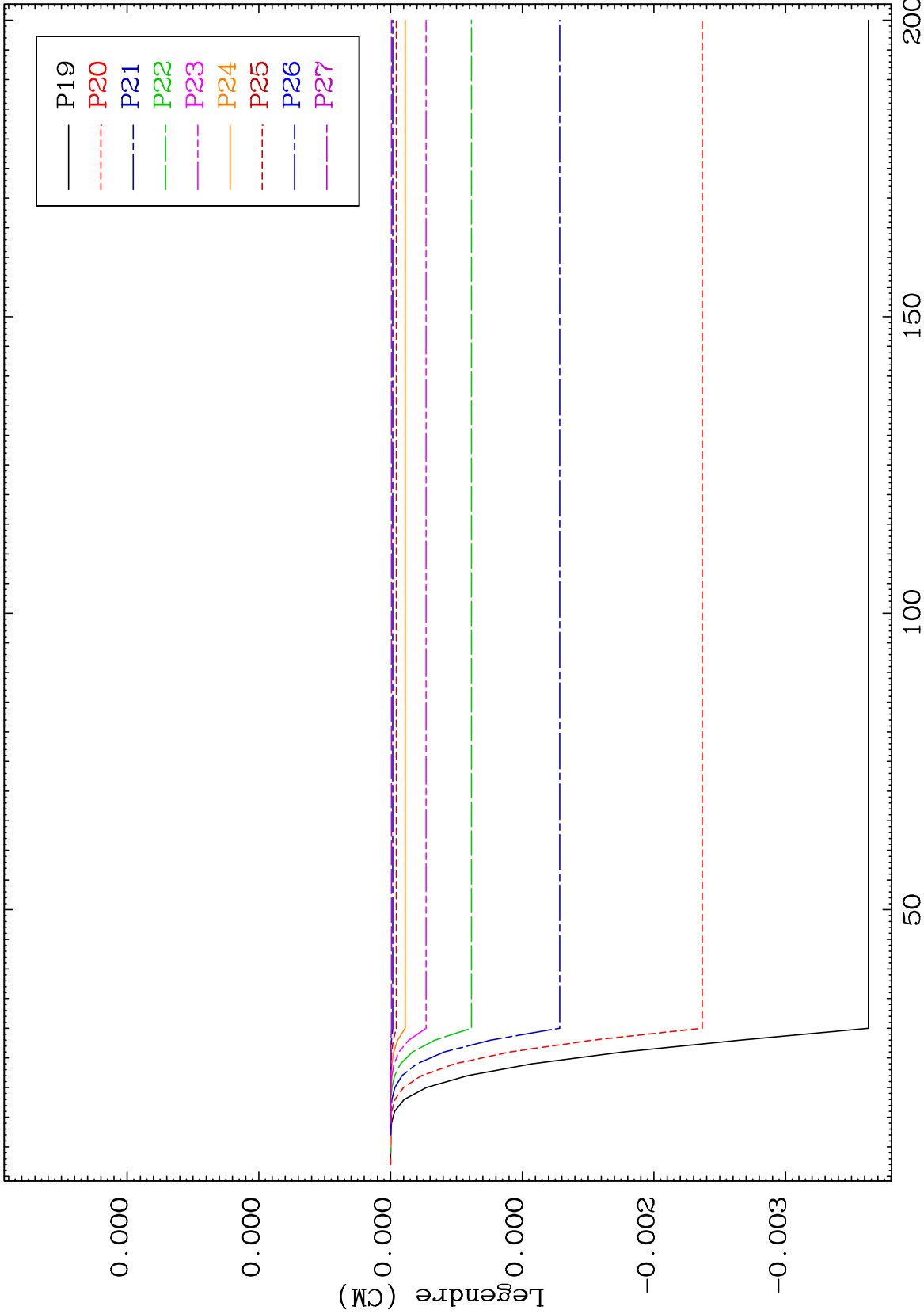
Incident Energy (MeV)

120

MAT 5313

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

53-I -123



121

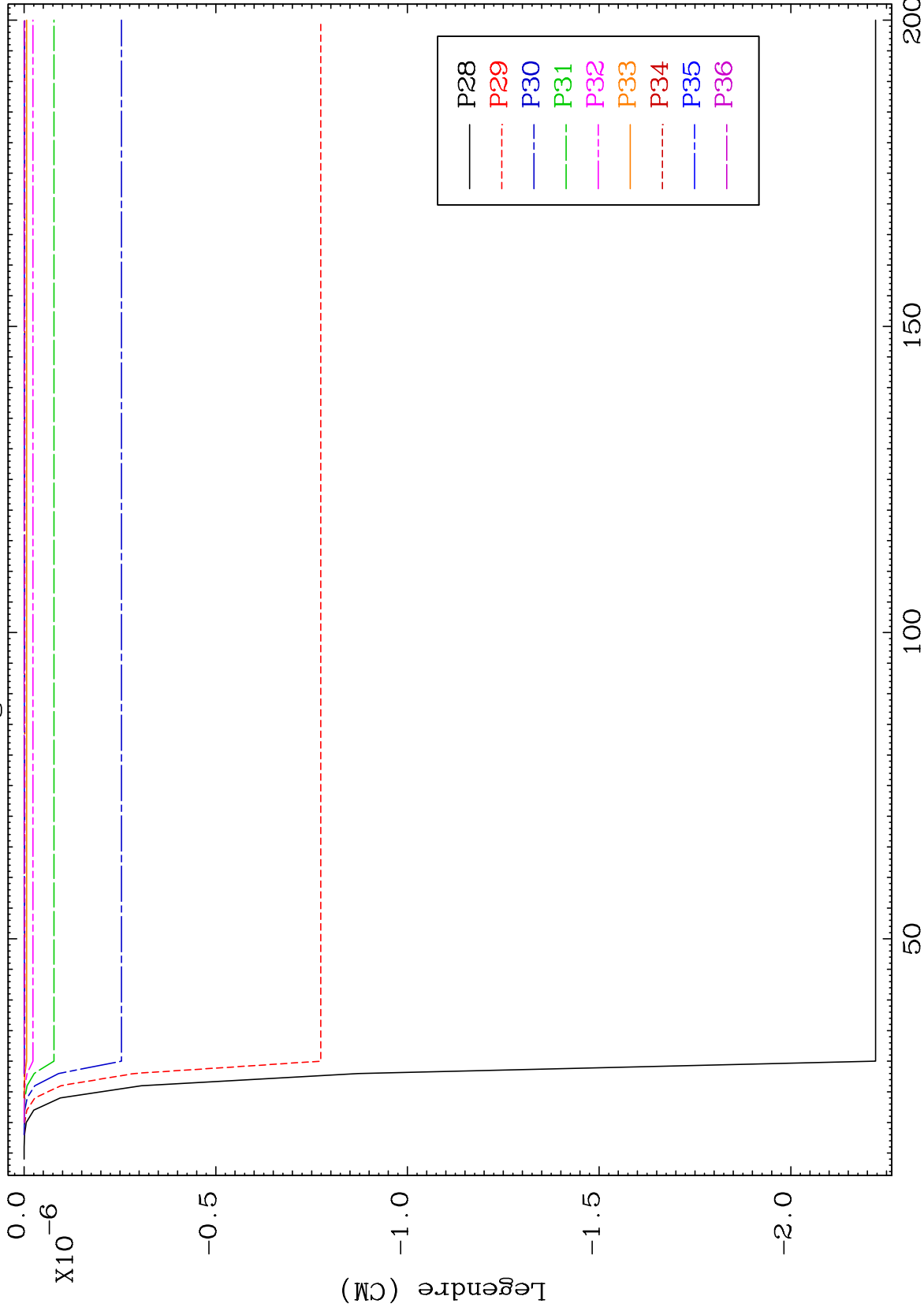
Incident Energy (MeV)

53-I -123

MAT 5313

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

53-I -123



122

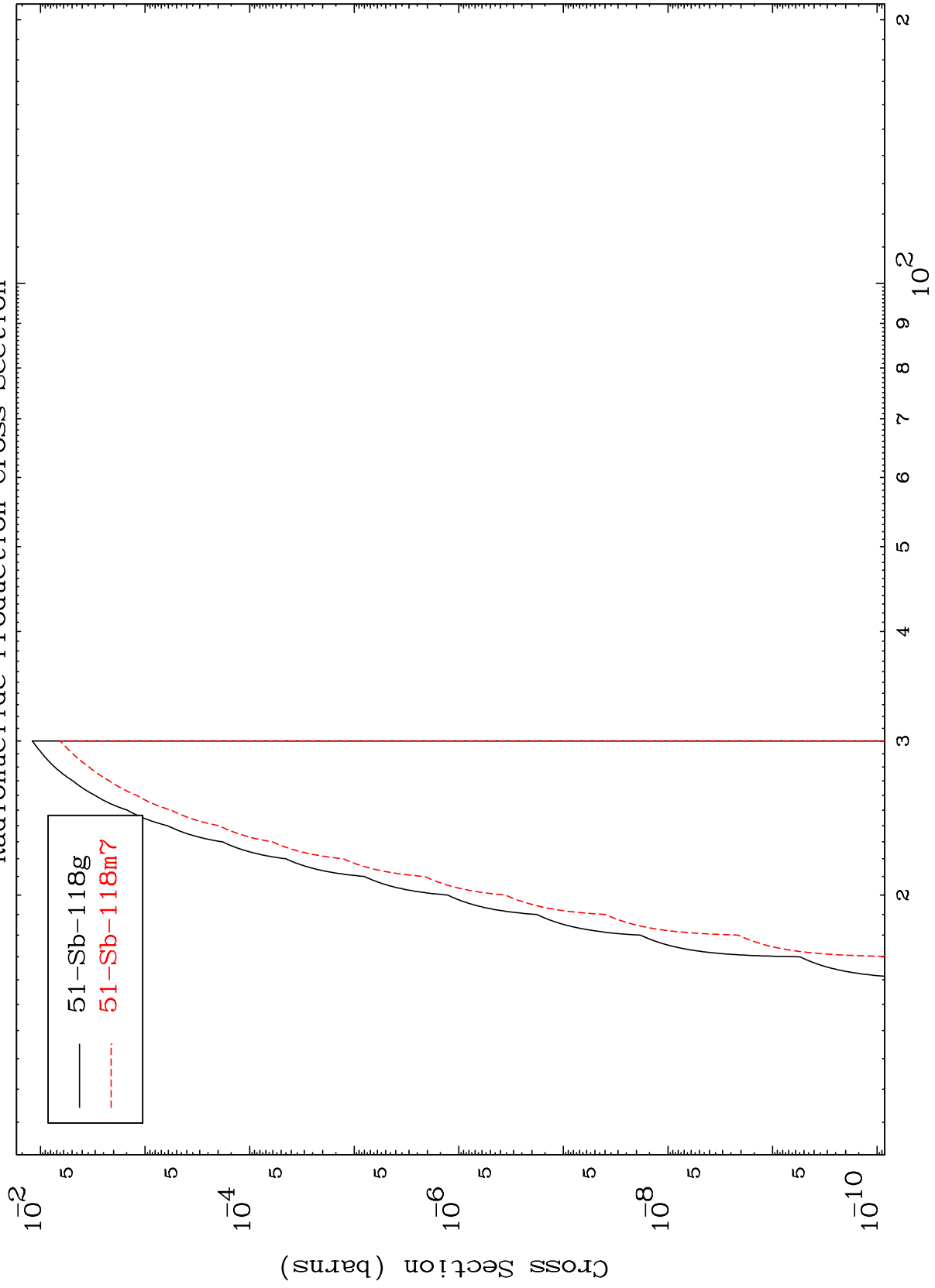
53-I -123

MAT 5313

(n,2n) α

53-I -123

Radionuclide Production Cross Section



123

Incident Energy (MeV)

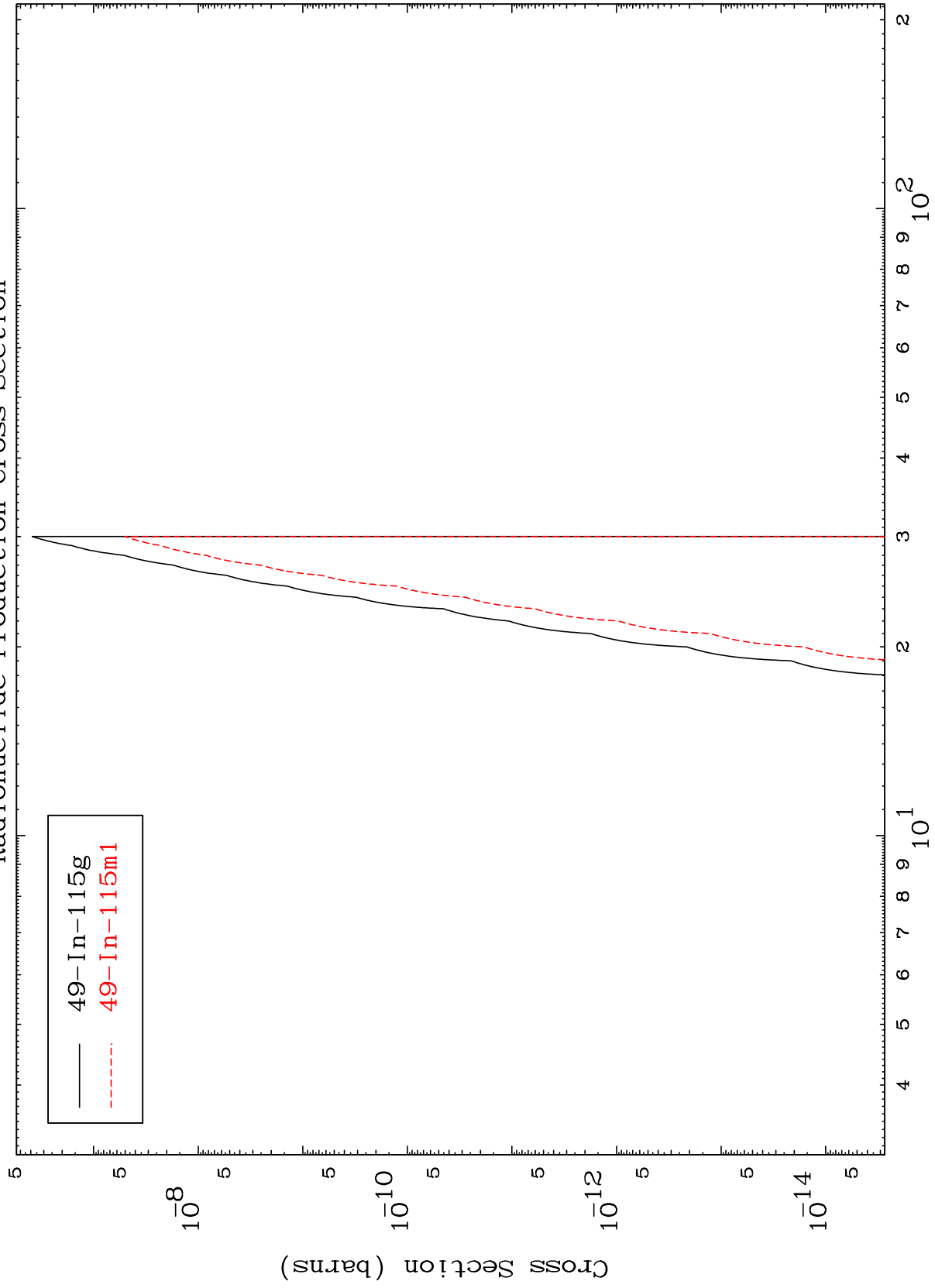
53-I -123

MAT 5313

(n,n') 2α

53-I -123

Radionuclide Production Cross Section



124

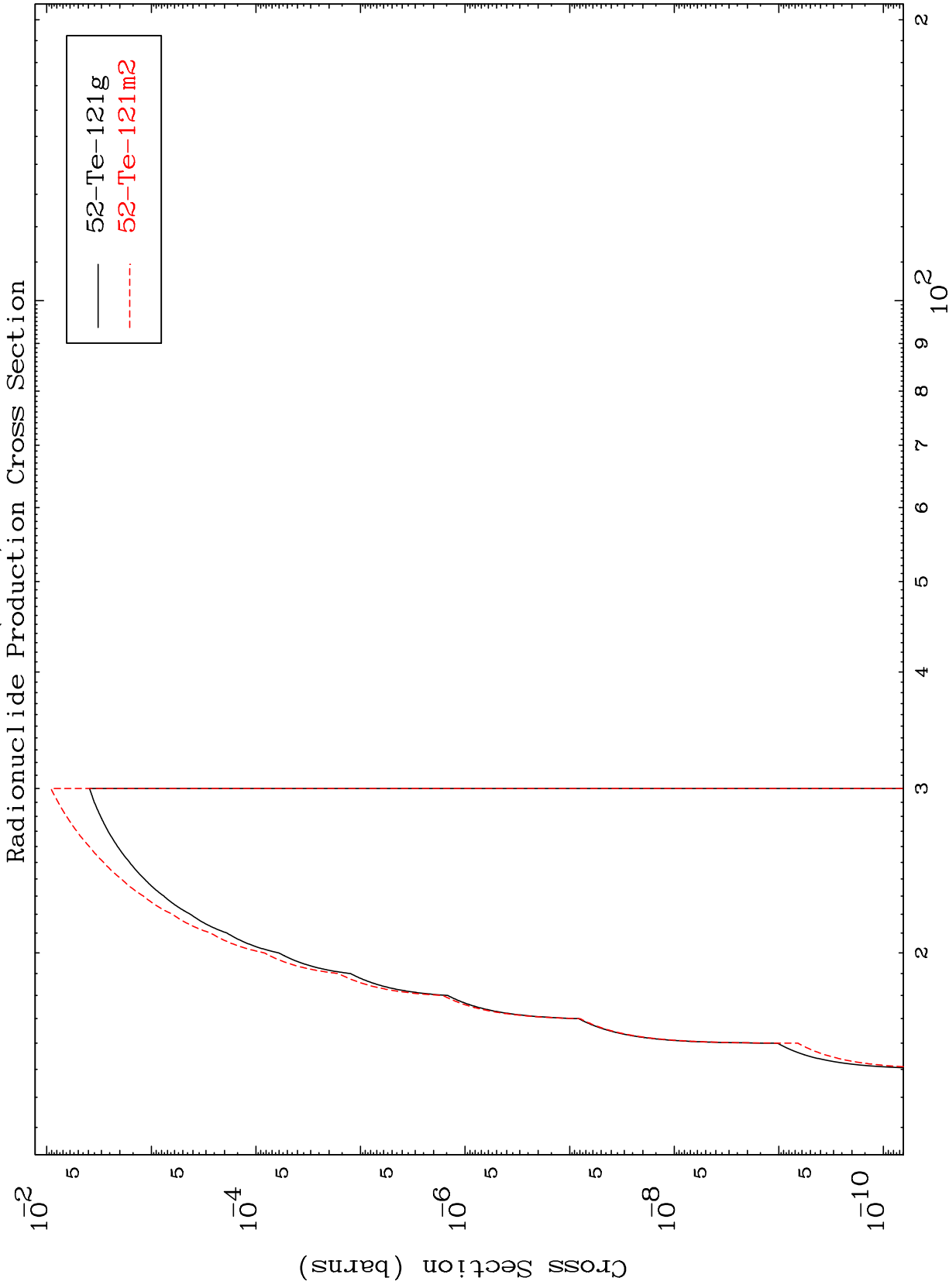
Incident Energy (MeV)

53-I -123

MAT 5313

(n,n') d

53-I -123



125

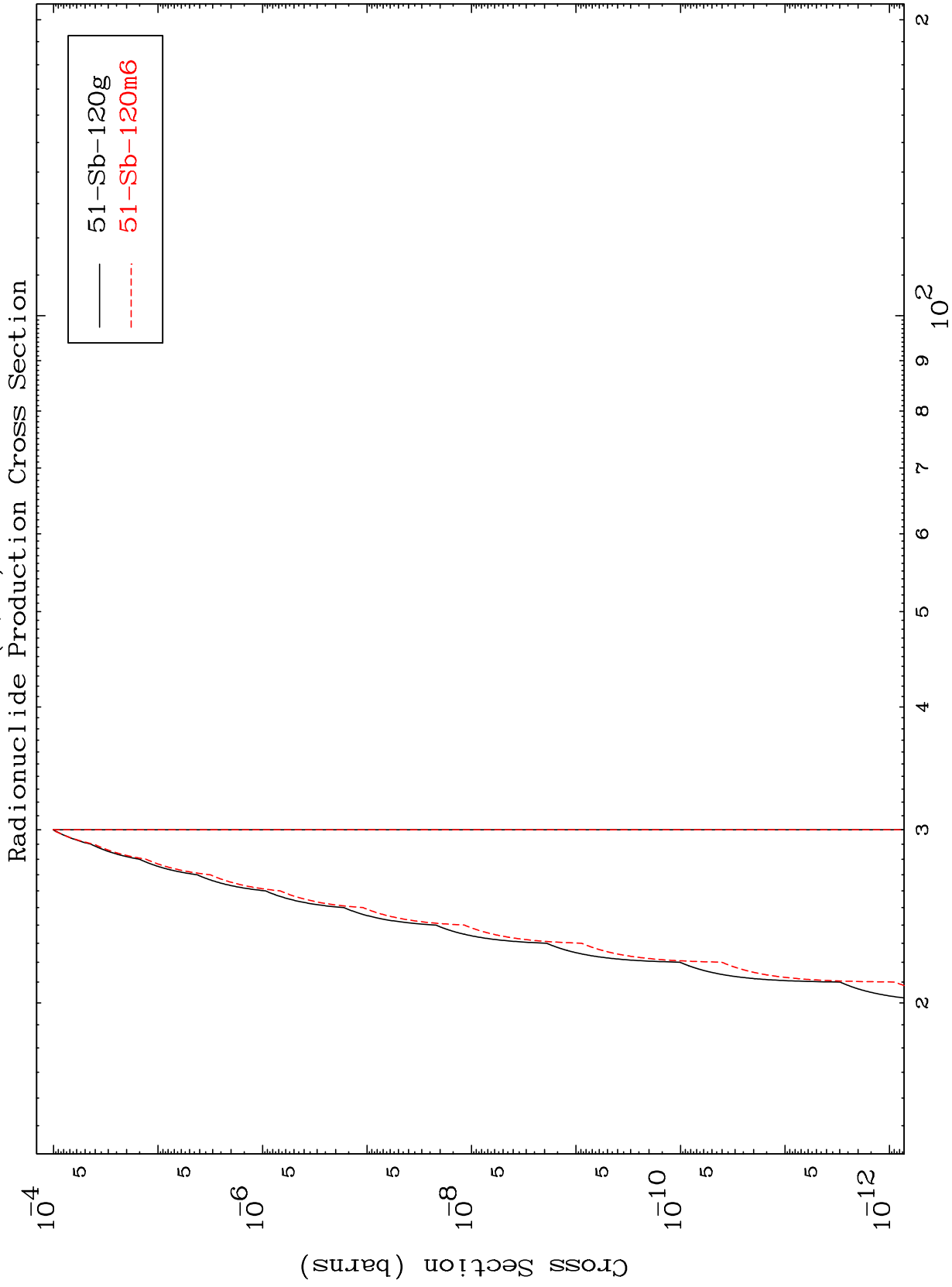
Incident Energy (MeV)

53-I -123

MAT 5313

(n, n') He-3

53-I -123



126

Incident Energy (MeV)

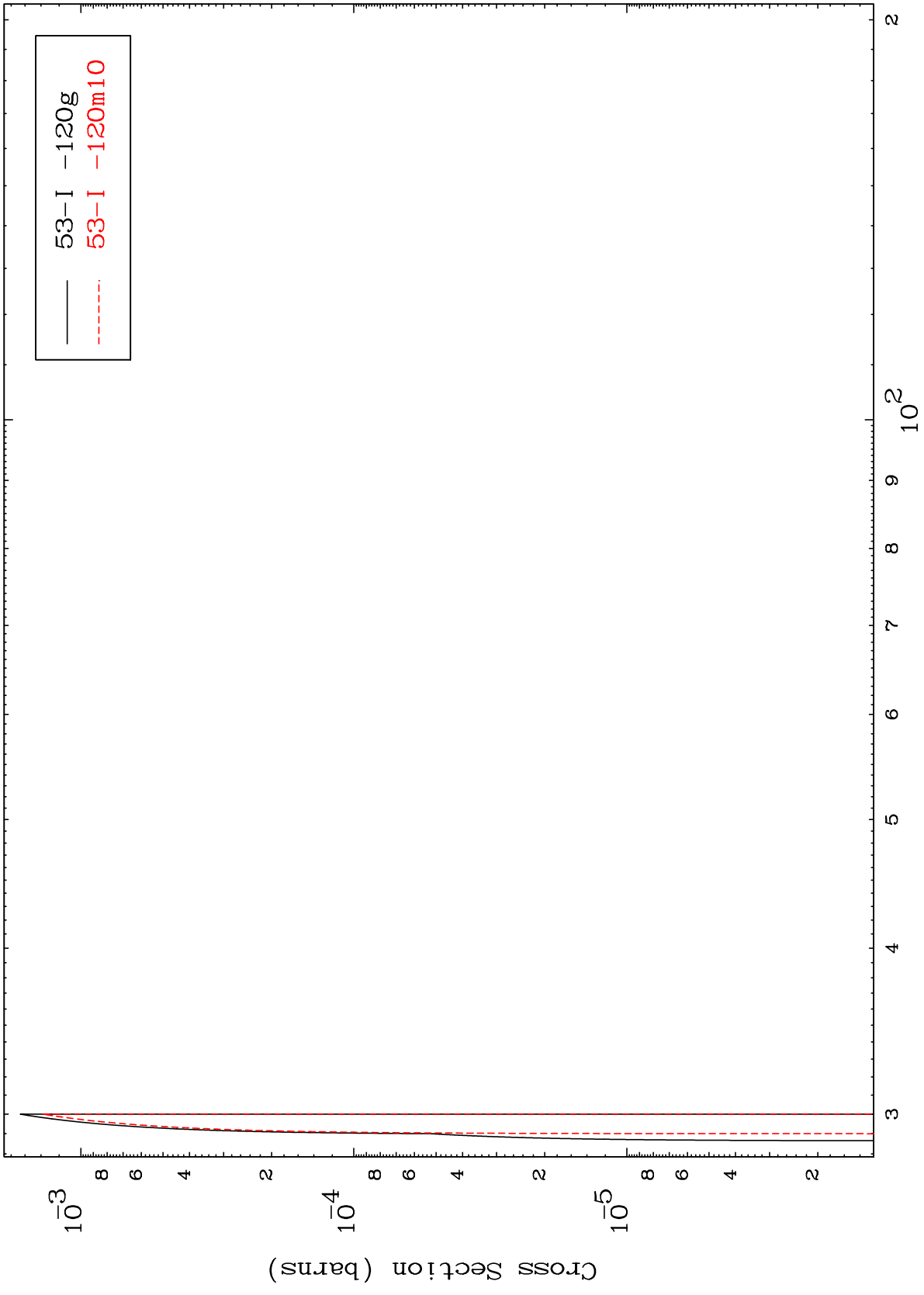
53-I -123

MAT 5313

(n,4n)

53-I -123

Radionuclide Production Cross Section

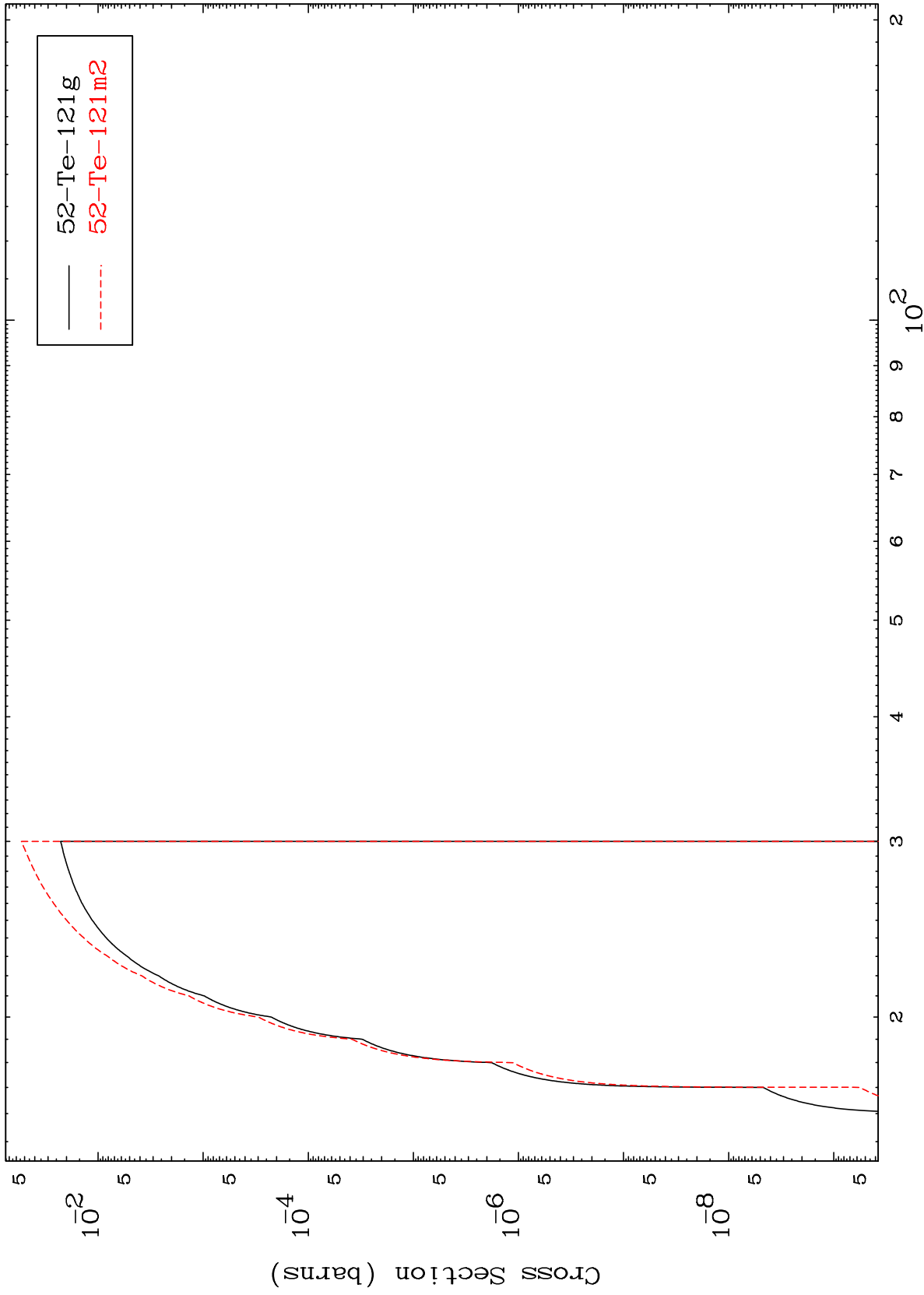


127

Incident Energy (MeV)

53-I -123

Radionuclide Production Cross Section

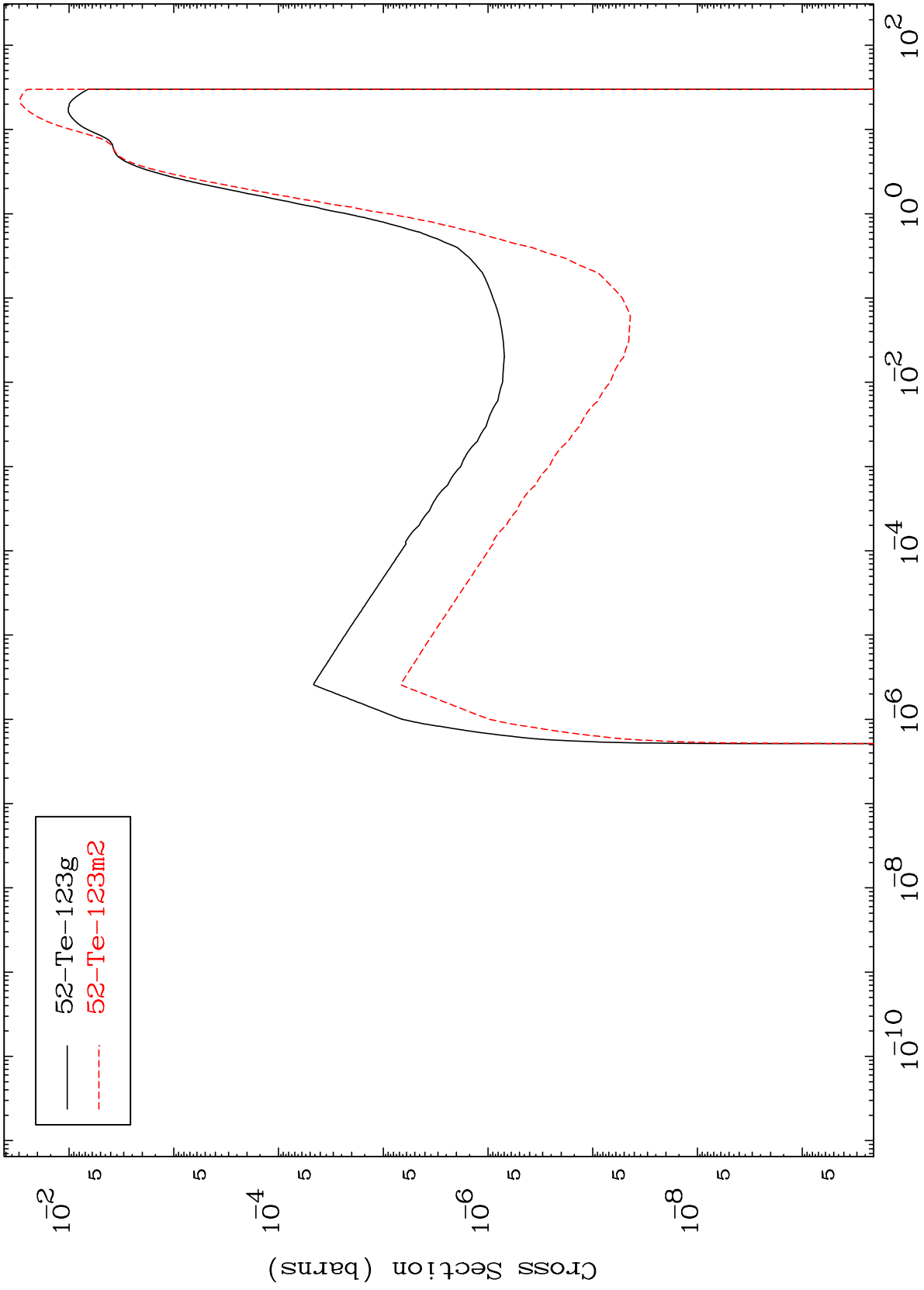


MAT 5313

(n,p)

53-I -123

Radionuclide Production Cross Section

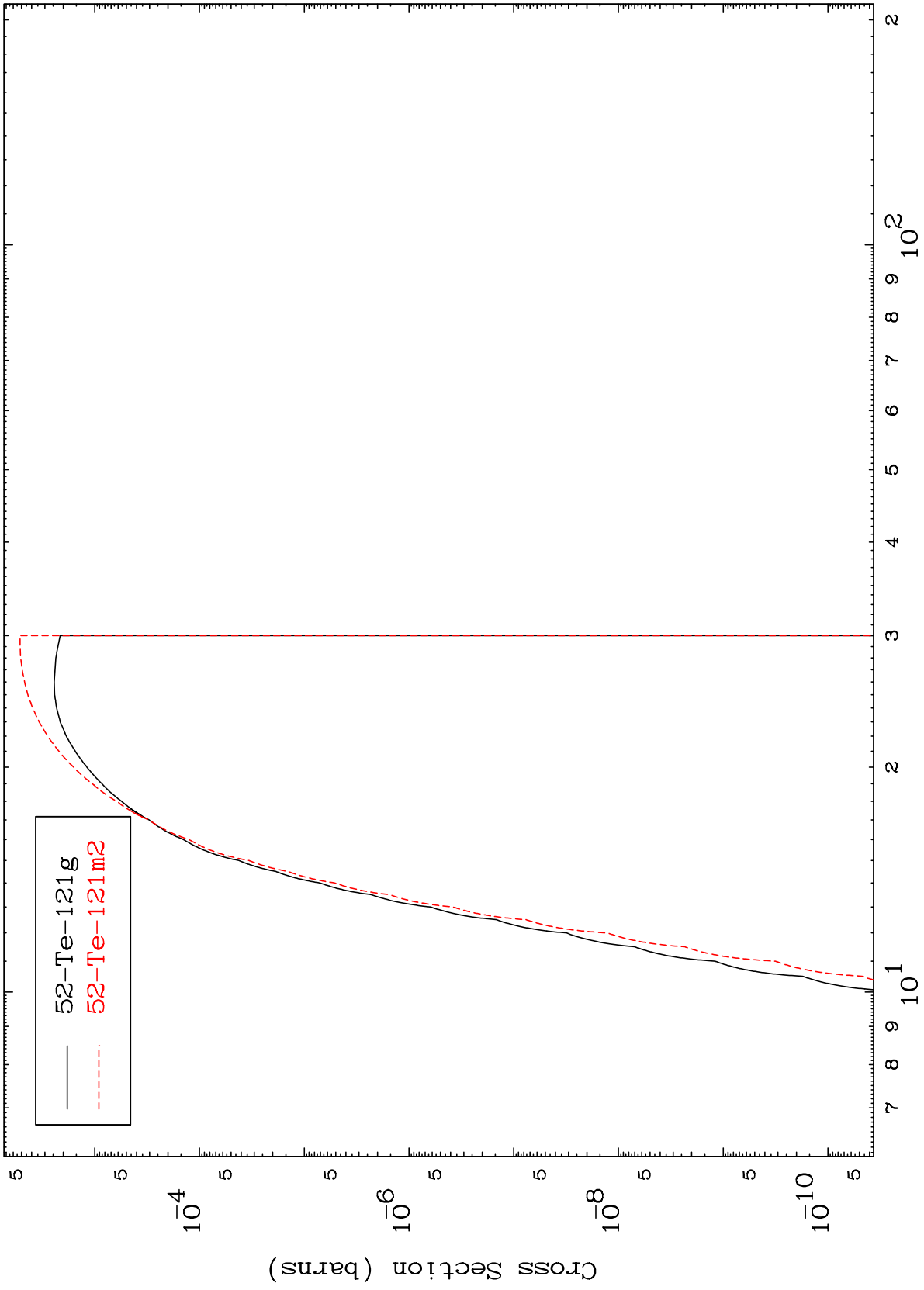


— 52-Te-123g
- - - 52-Te-123m2

MAT 5313

53-I -123

Radionuclide Production Cross Section
(n, t)



130

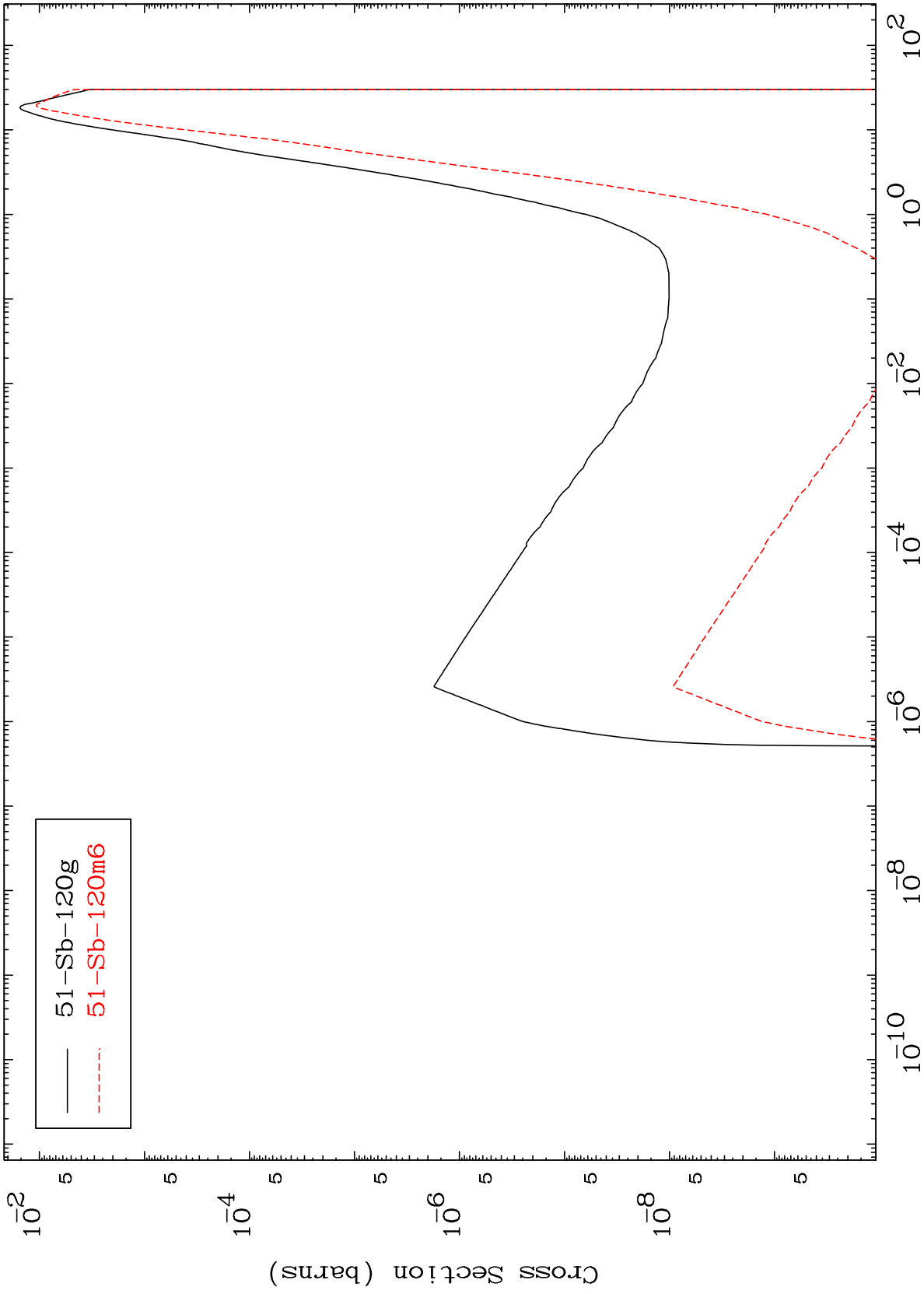
53-I -123

MAT 5313

(n,α)

53-I -123

Radionuclide Production Cross Section



— 51-Sb-120g
- - - 51-Sb-120m6

131

Incident Energy (MeV)

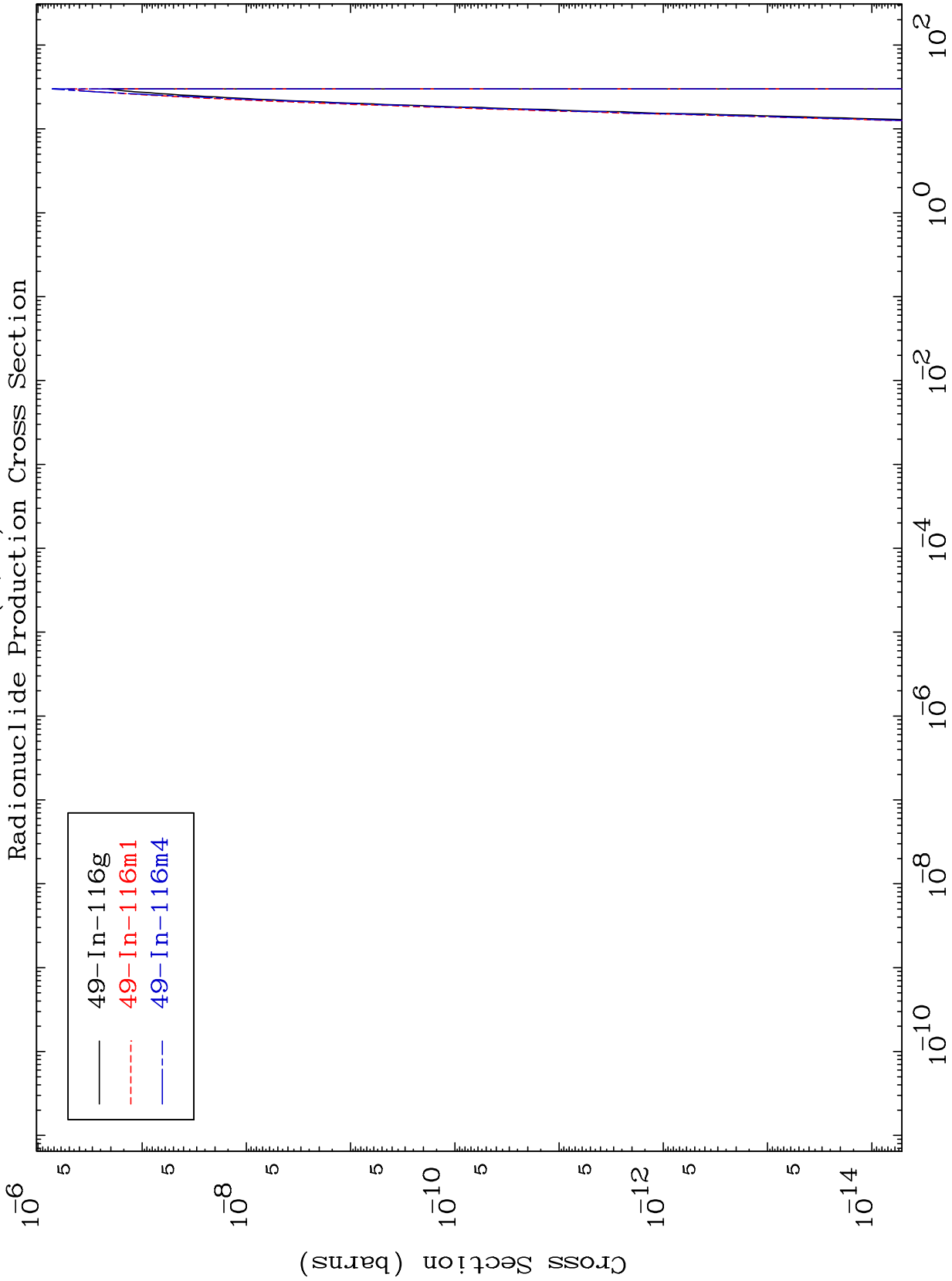
53-I -123

MAT 5313

(n,2α)

53-I -123

Radionuclide Production Cross Section



49-In-116g
49-In-116m1
49-In-116m4

132

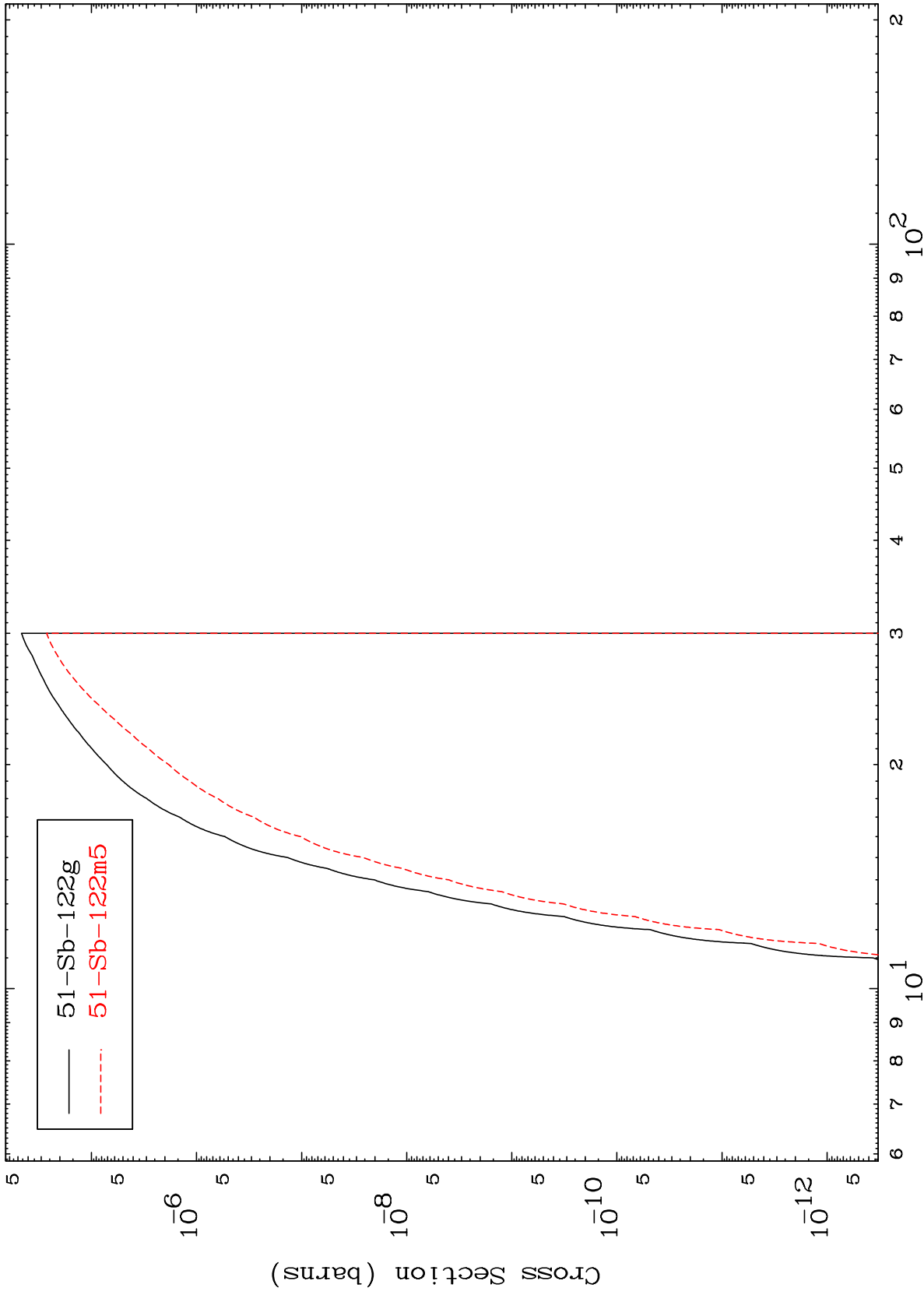
Incident Energy (MeV)

53-I -123

MAT 5313

53-I -123

Radionuclide Production Cross Section (n,2p)



133

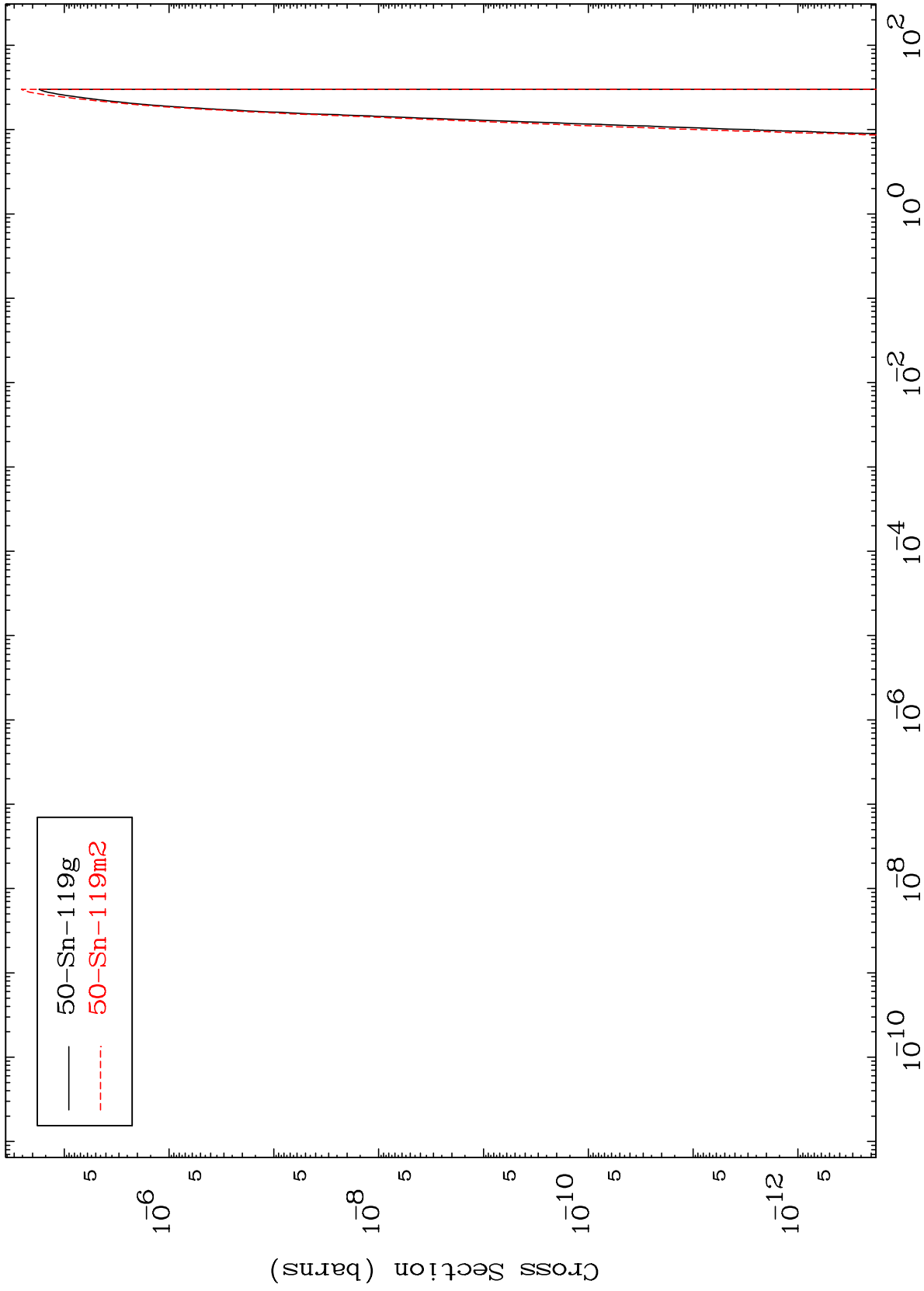
53-I -123

MAT 5313

(n,p) α

53-I -123

Radionuclide Production Cross Section



134

Incident Energy (MeV)

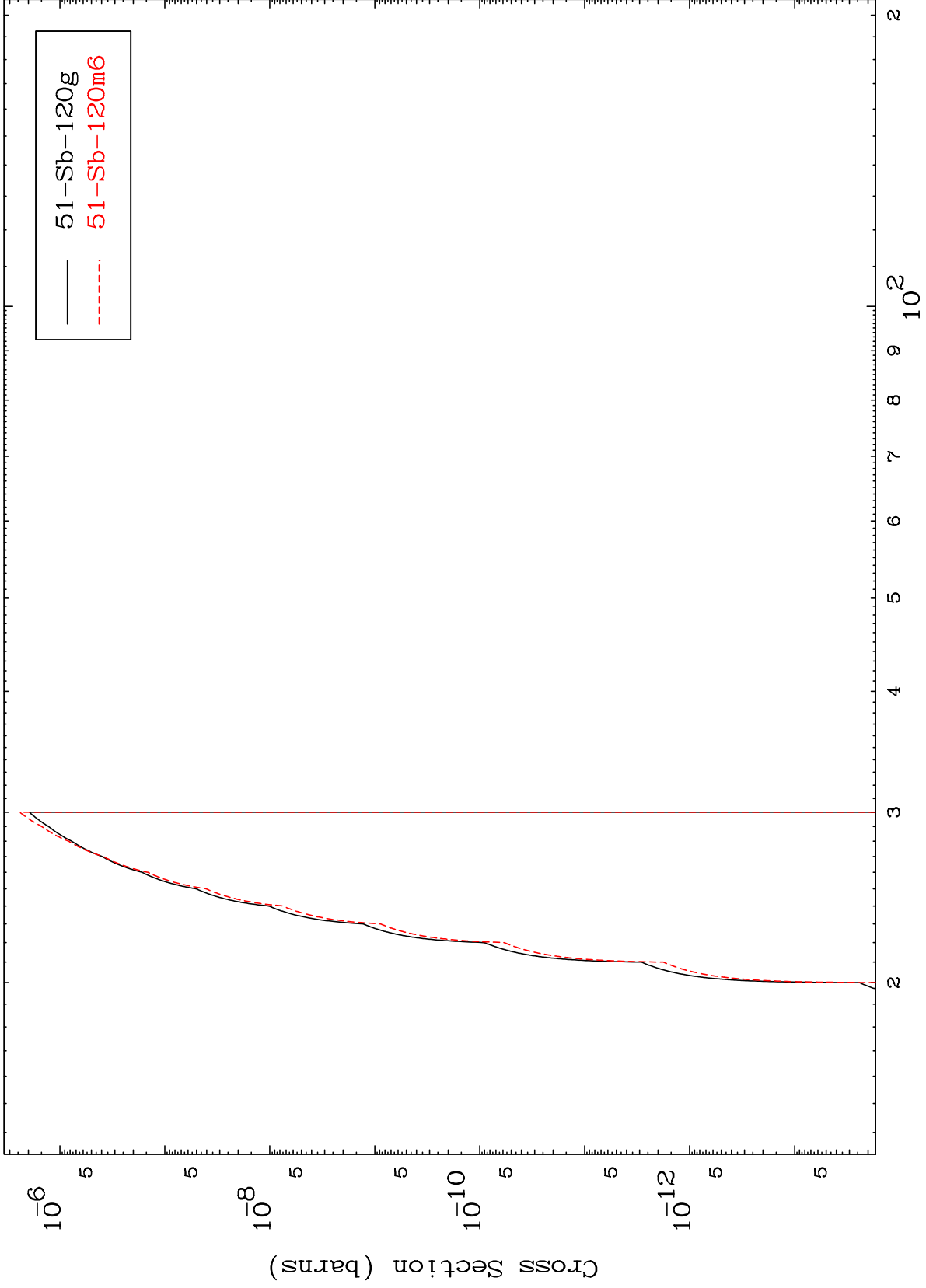
53-I -123

MAT 5313

(n,p) t

53-I -123

Radionuclide Production Cross Section



135

Incident Energy (MeV)

53-I -123