

Program EVALPLOT
(Version 2018-1)

by

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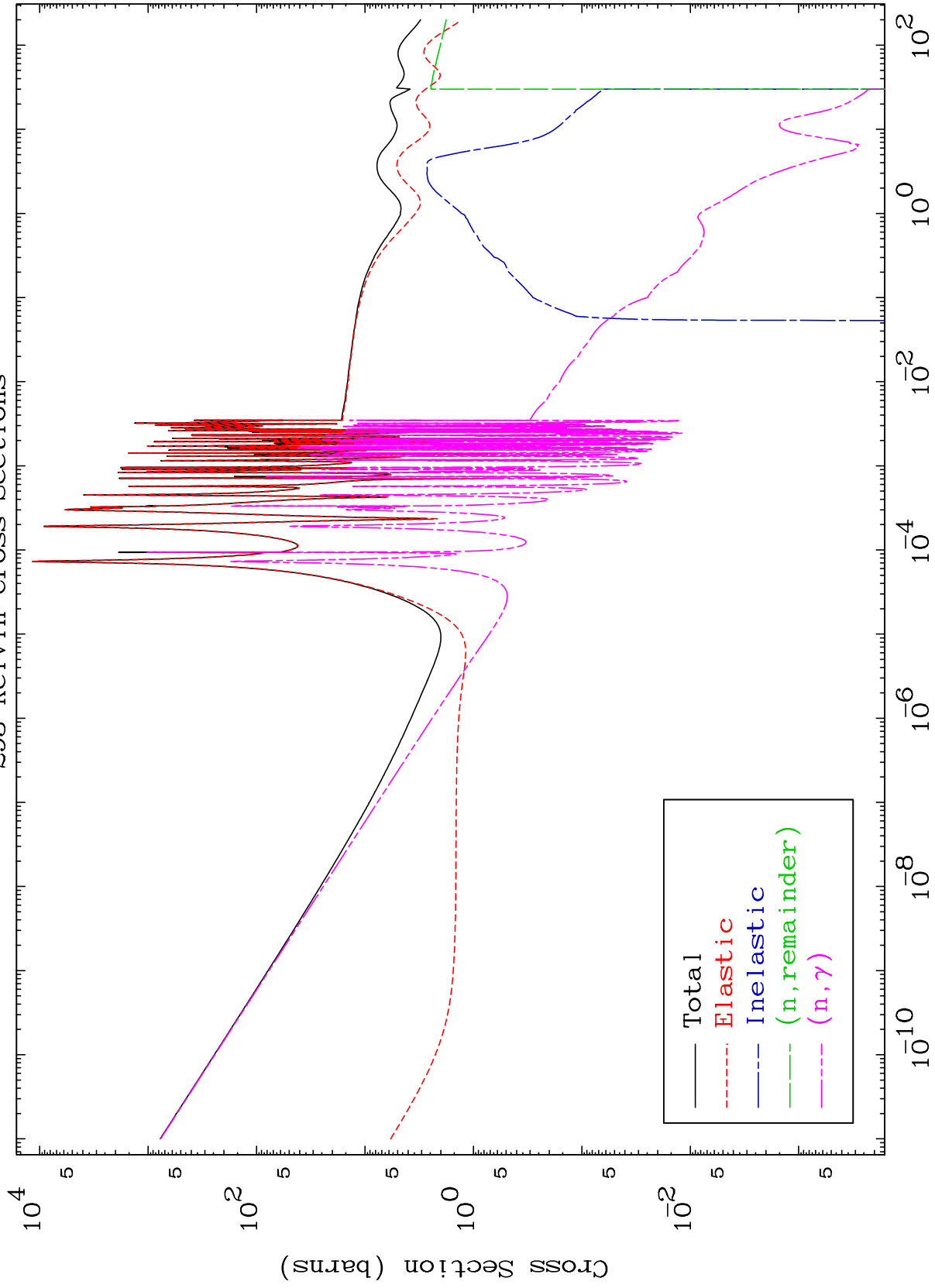
Press Mouse Button to Start

MAT 8340

Major

293 Kelvin Cross Sections

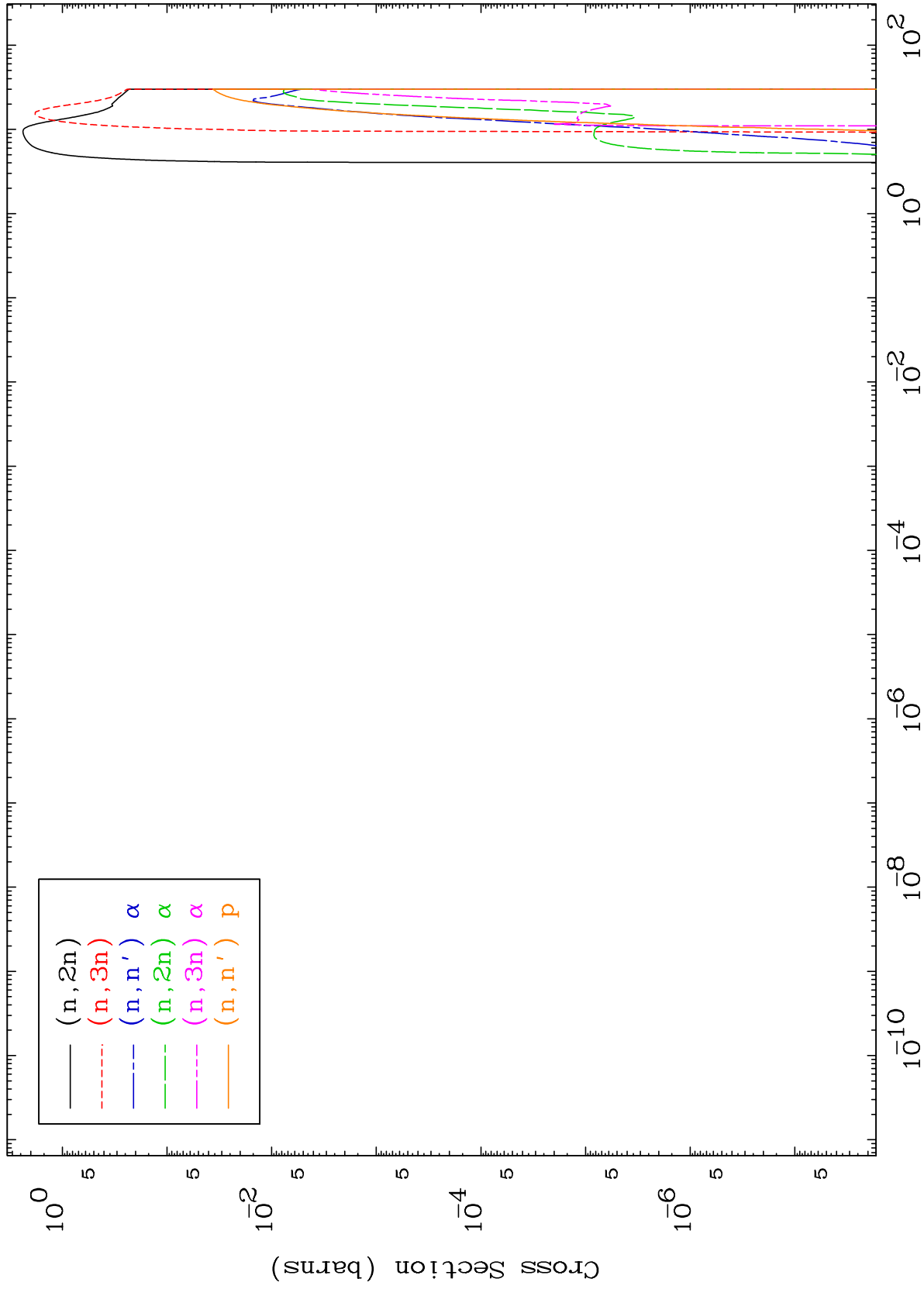
83-Bi-214



MAT 8340

Neutron Production
293 Kelvin Cross Sections

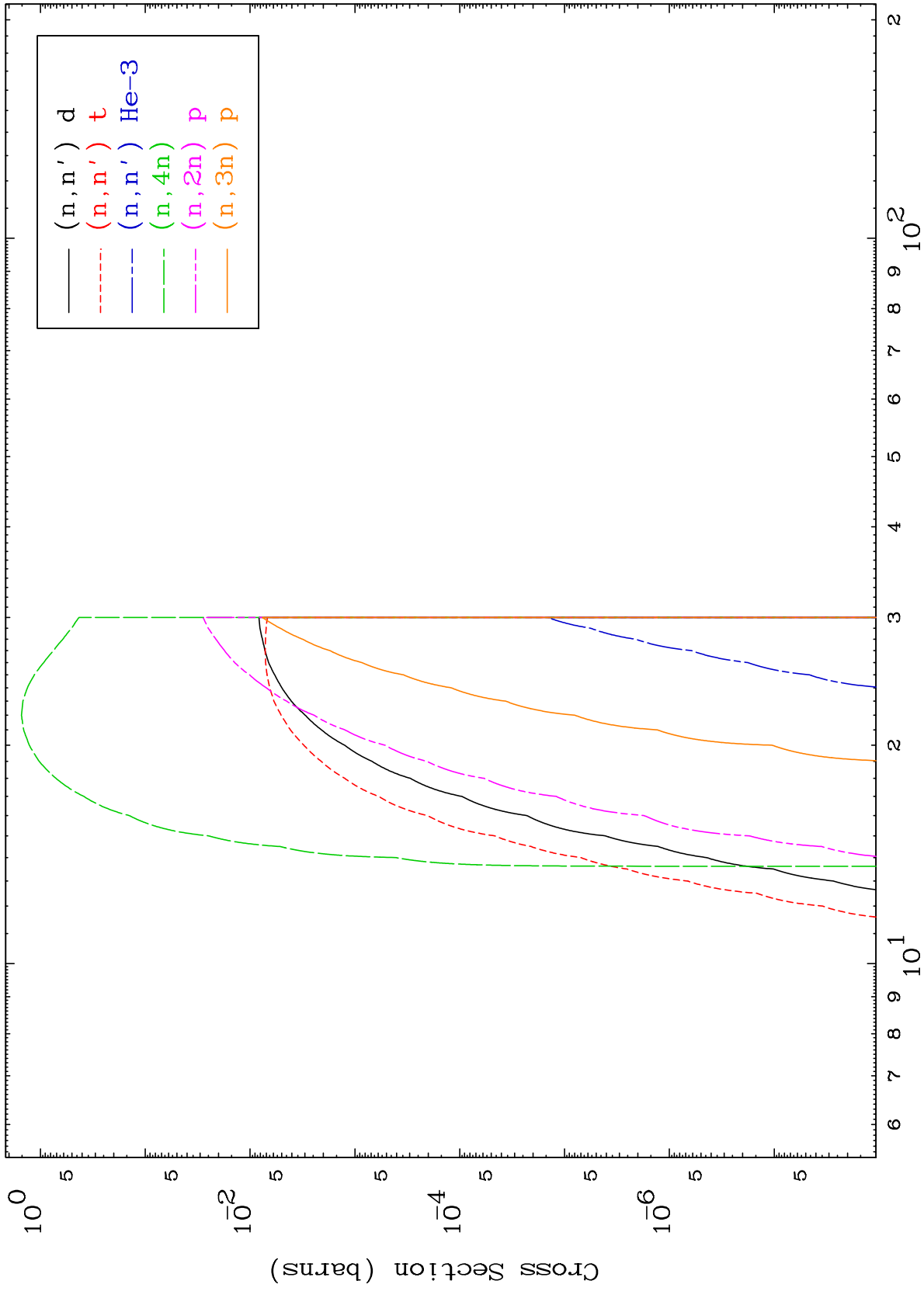
83-Bi-214



2

Incident Energy (MeV)

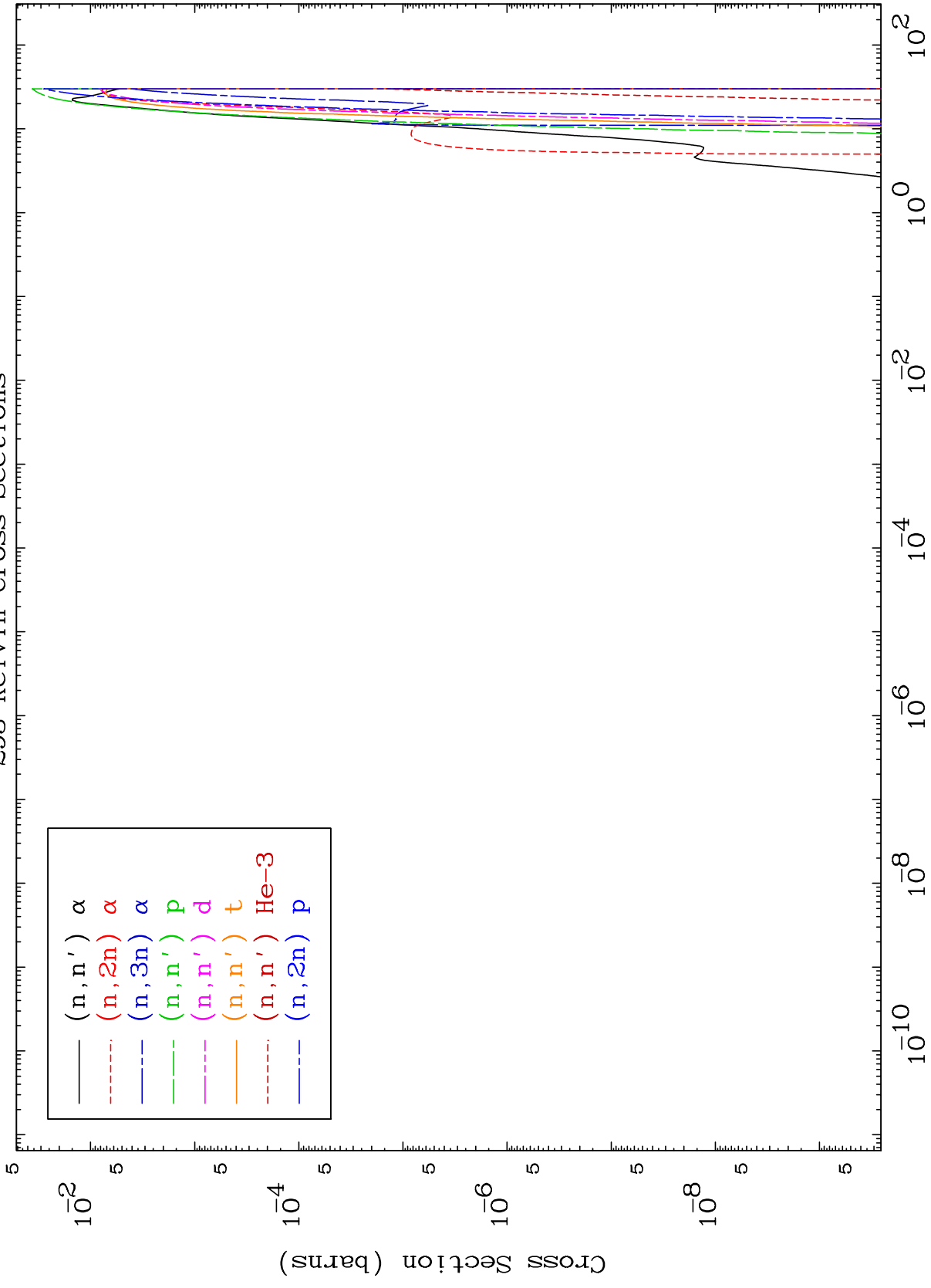
83-Bi-214



MAT 8340

293 Charged Particle
Kelvin Cross Sections

83-Bi-214

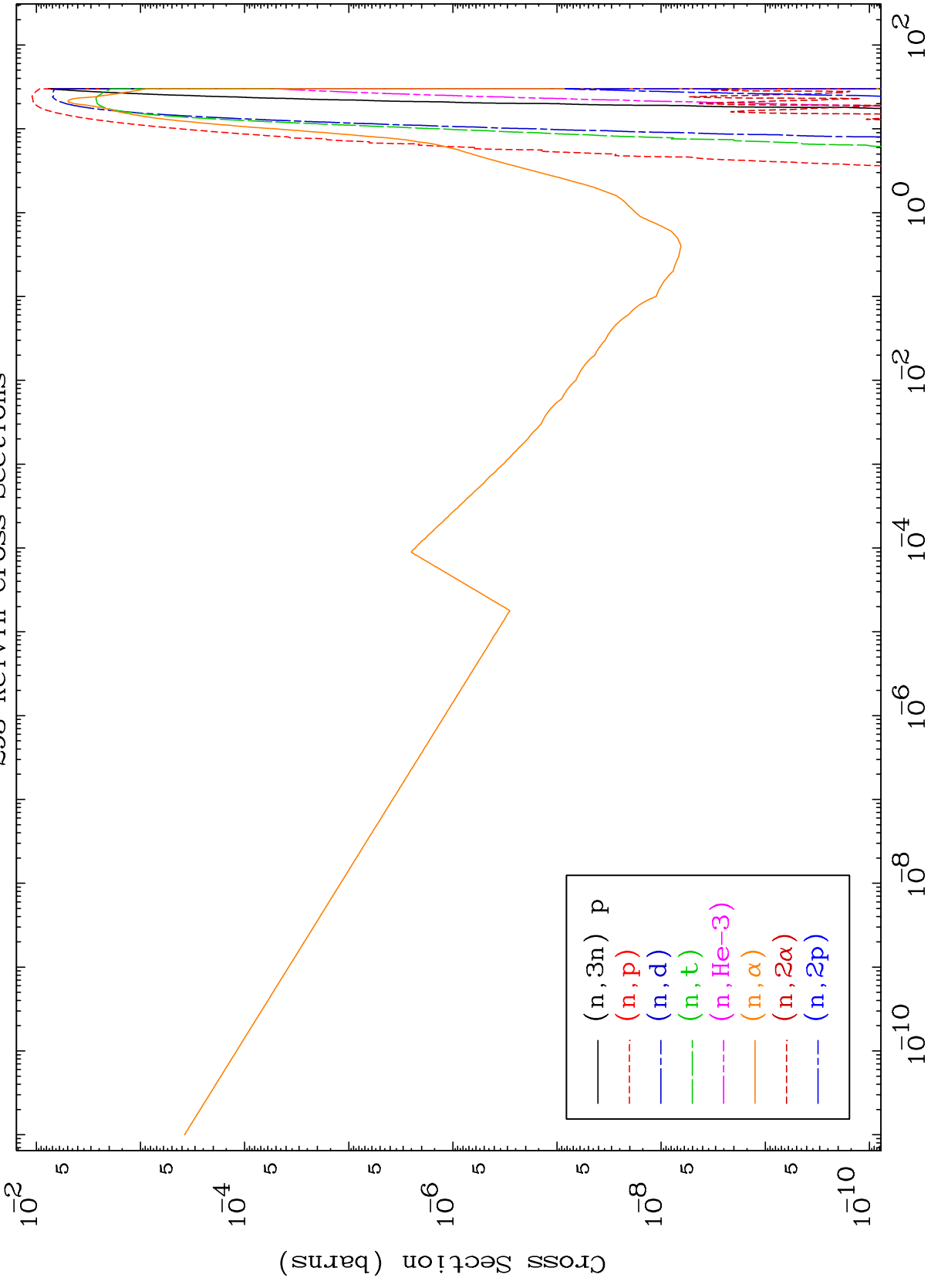


83-Bi-214

MAT 8340

Charged Particle
293 Kelvin Cross Sections

83-Bi-214

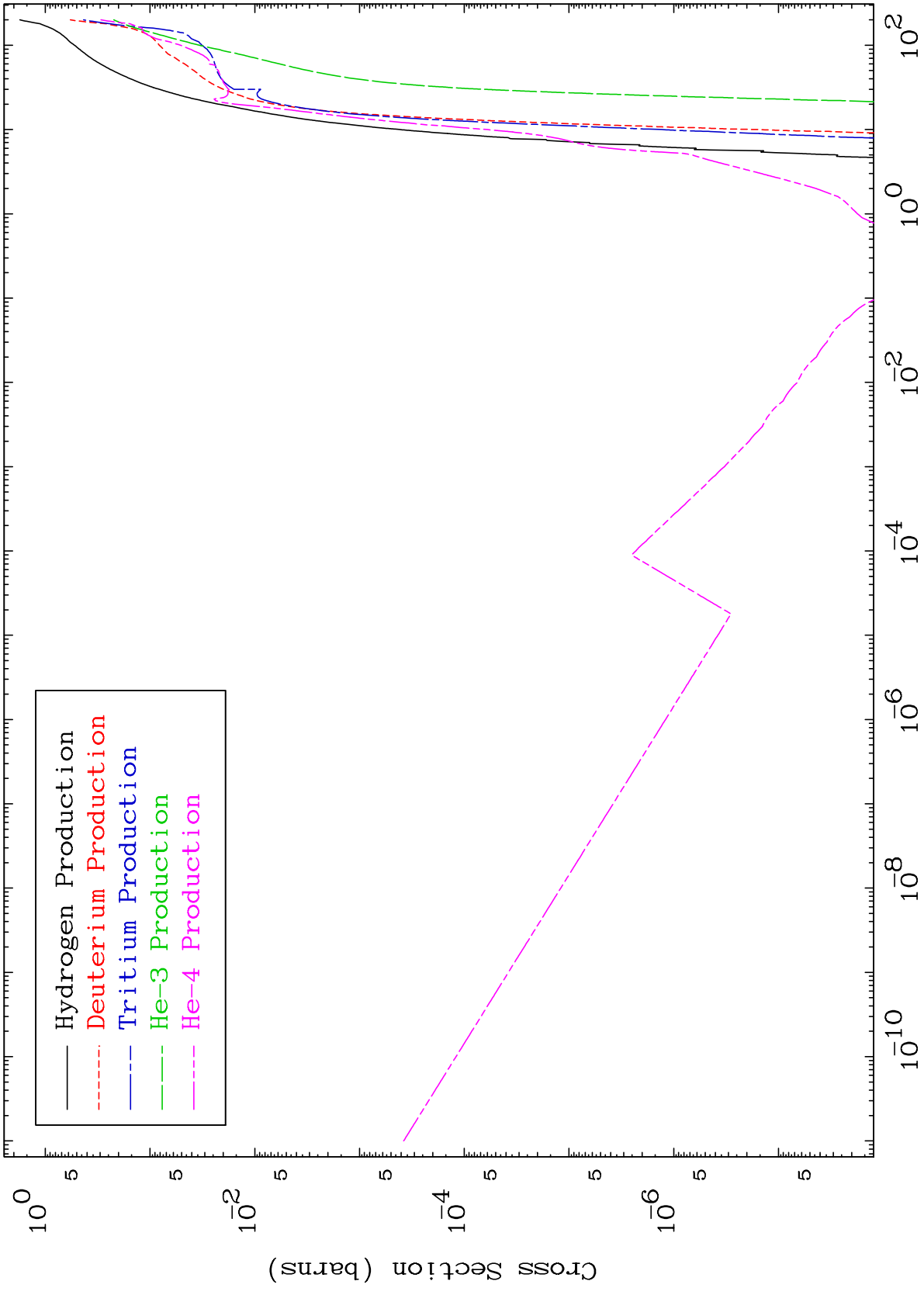


83-Bi-214

MAT 8340

Particle Production
293 Kelvin Cross Sections

83-Bi-214



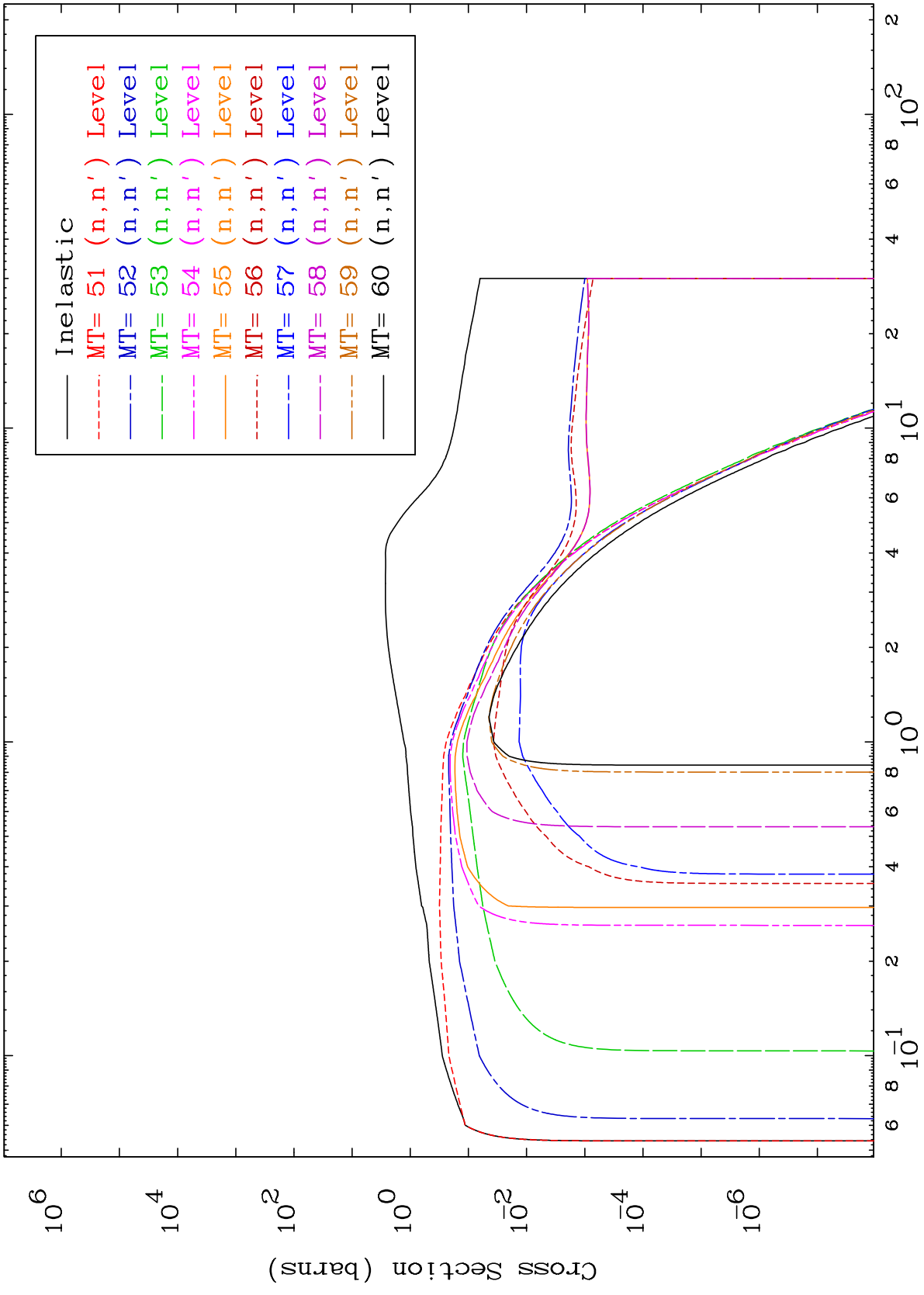
83-Bi-214

MAT 8340

(n,n') Level

83-Bi-214

293 Kelvin Cross Sections

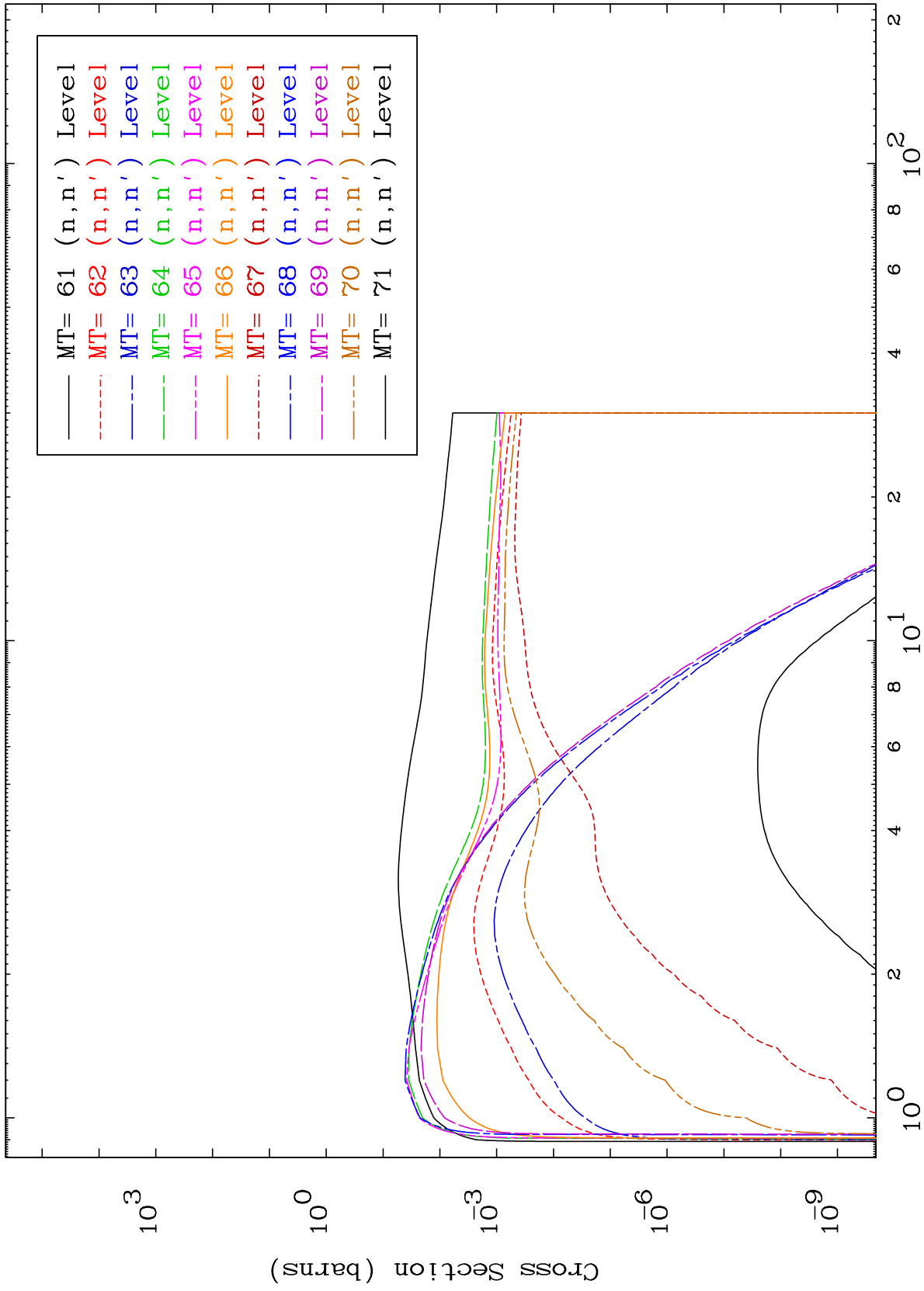


MAT 8340

(n,n') Level

83-Bi-214

293 Kelvin Cross Sections



8

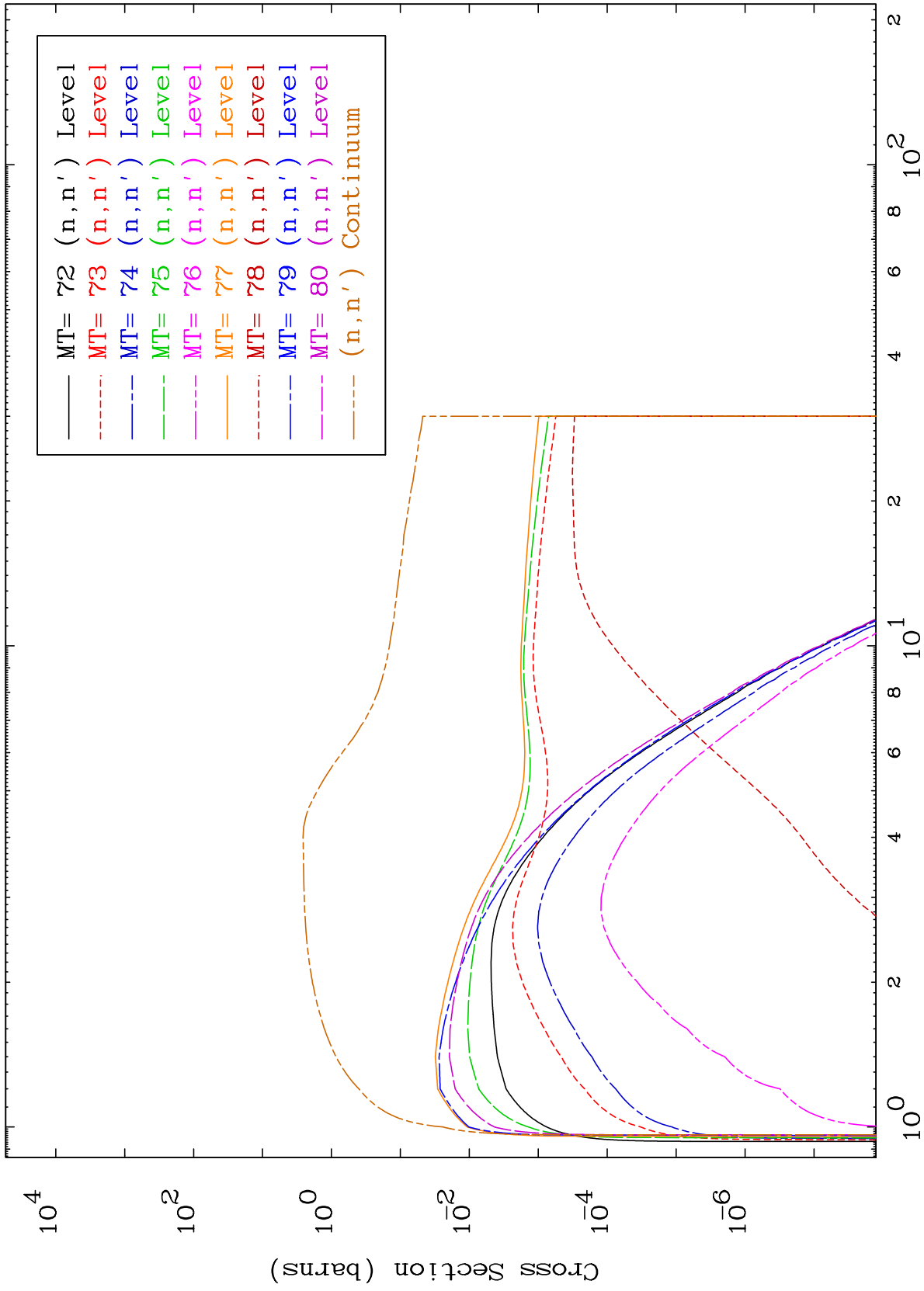
Incident Energy (MeV)

83-Bi-214

MAT 8340

(n,n') Level
293 Kelvin Cross Sections

83-Bi-214



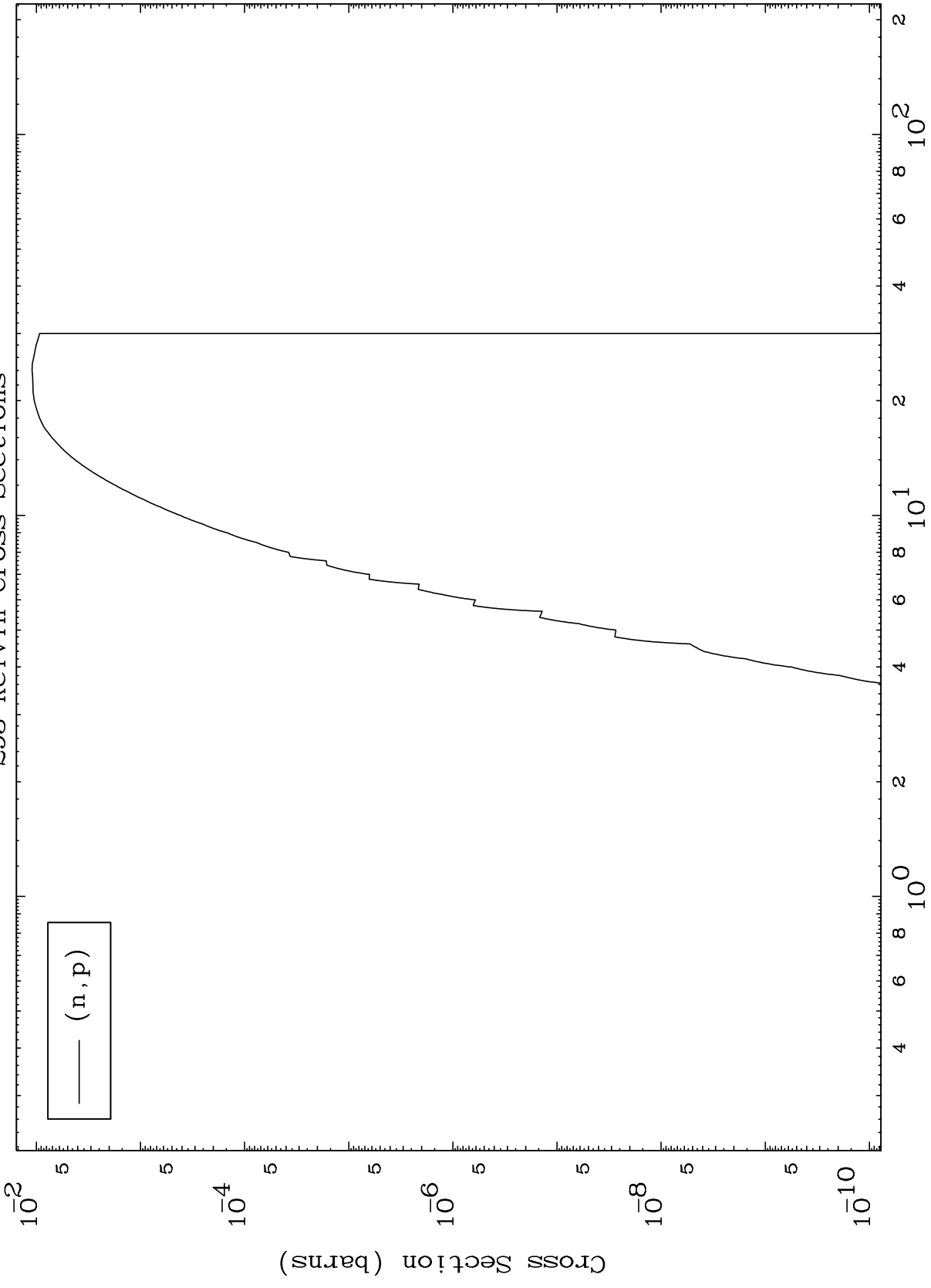
Incident Energy (MeV)

83-Bi-214

MAT 8340

(n,p) Levels
293 Kelvin Cross Sections

83-Bi-214



10

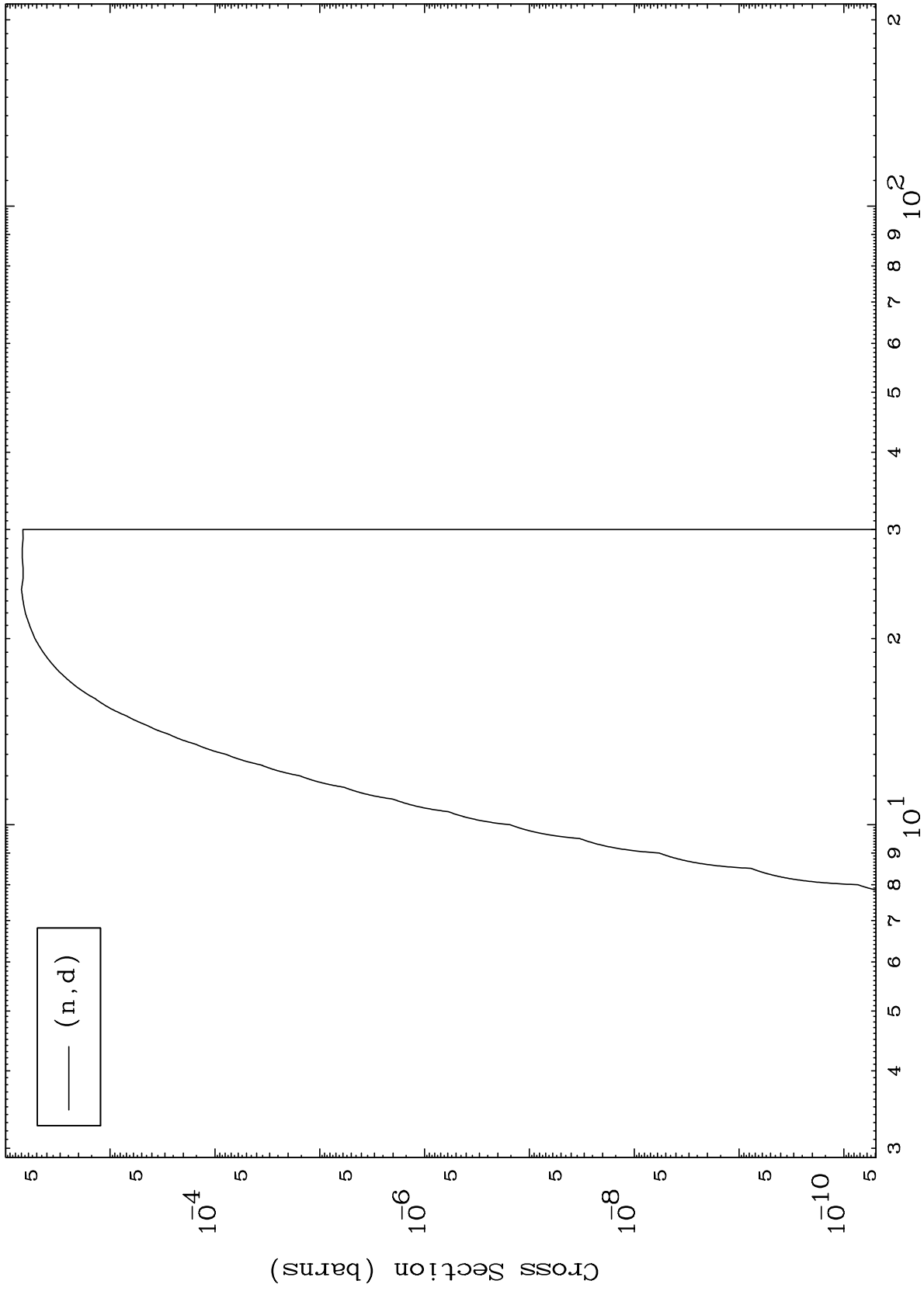
Incident Energy (MeV)

83-Bi-214

MAT 8340

(n,d) Levels
293 Kelvin Cross Sections

83-Bi-214



11

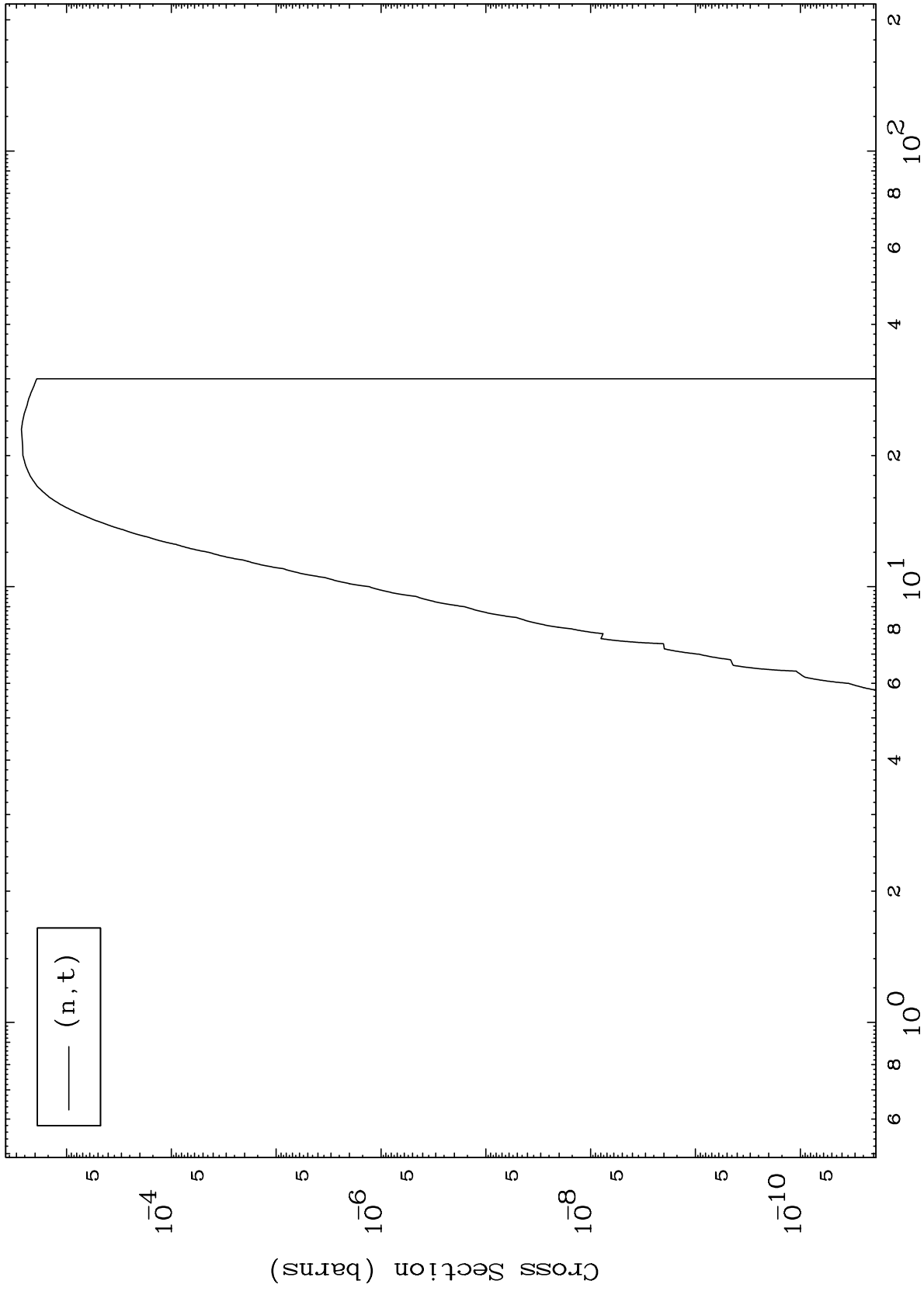
Incident Energy (MeV)

83-Bi-214

MAT 8340

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-214



12

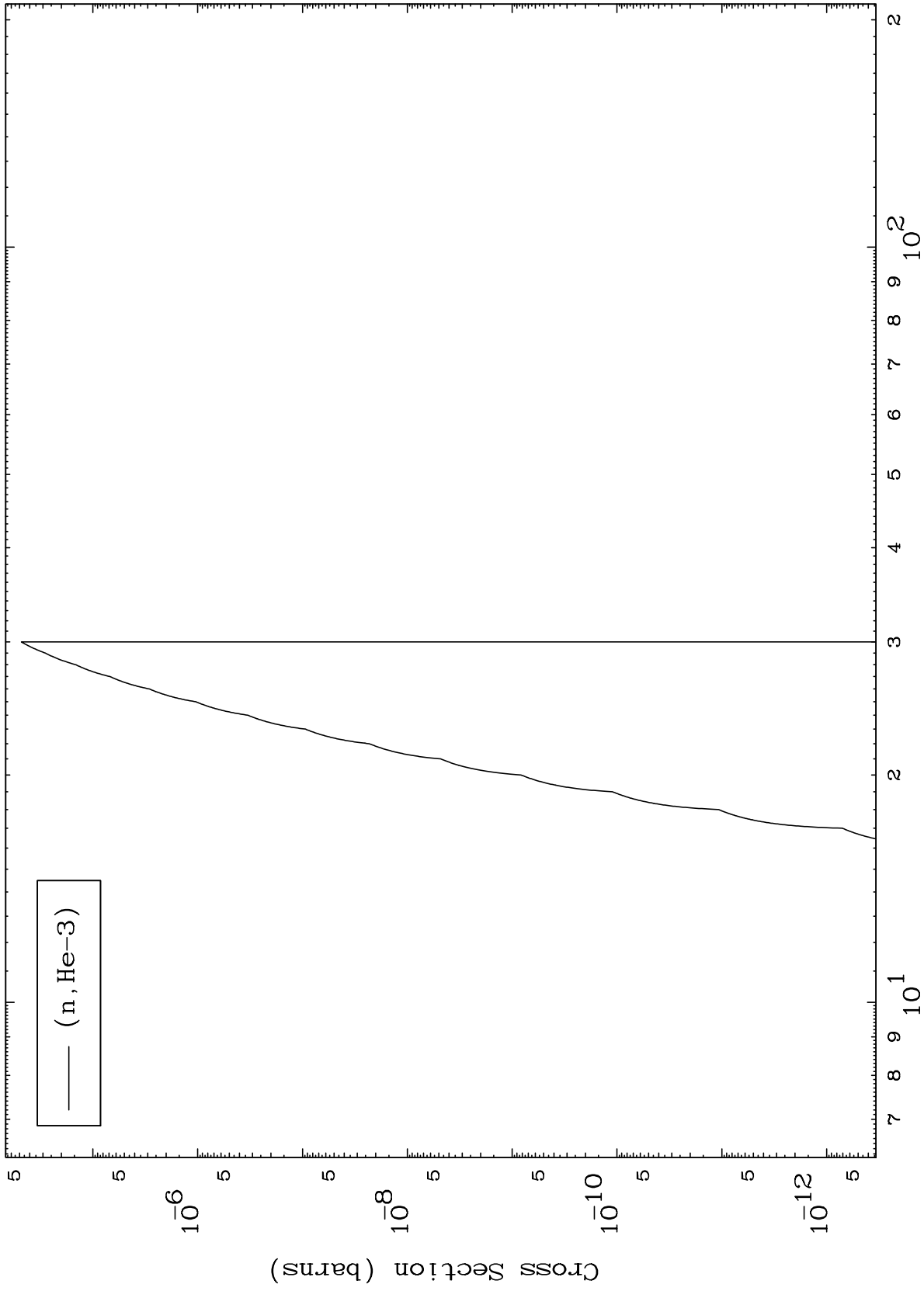
Incident Energy (MeV)

83-Bi-214

MAT 8340

(n,He3) Levels
293 Kelvin Cross Sections

83-Bi-214



13

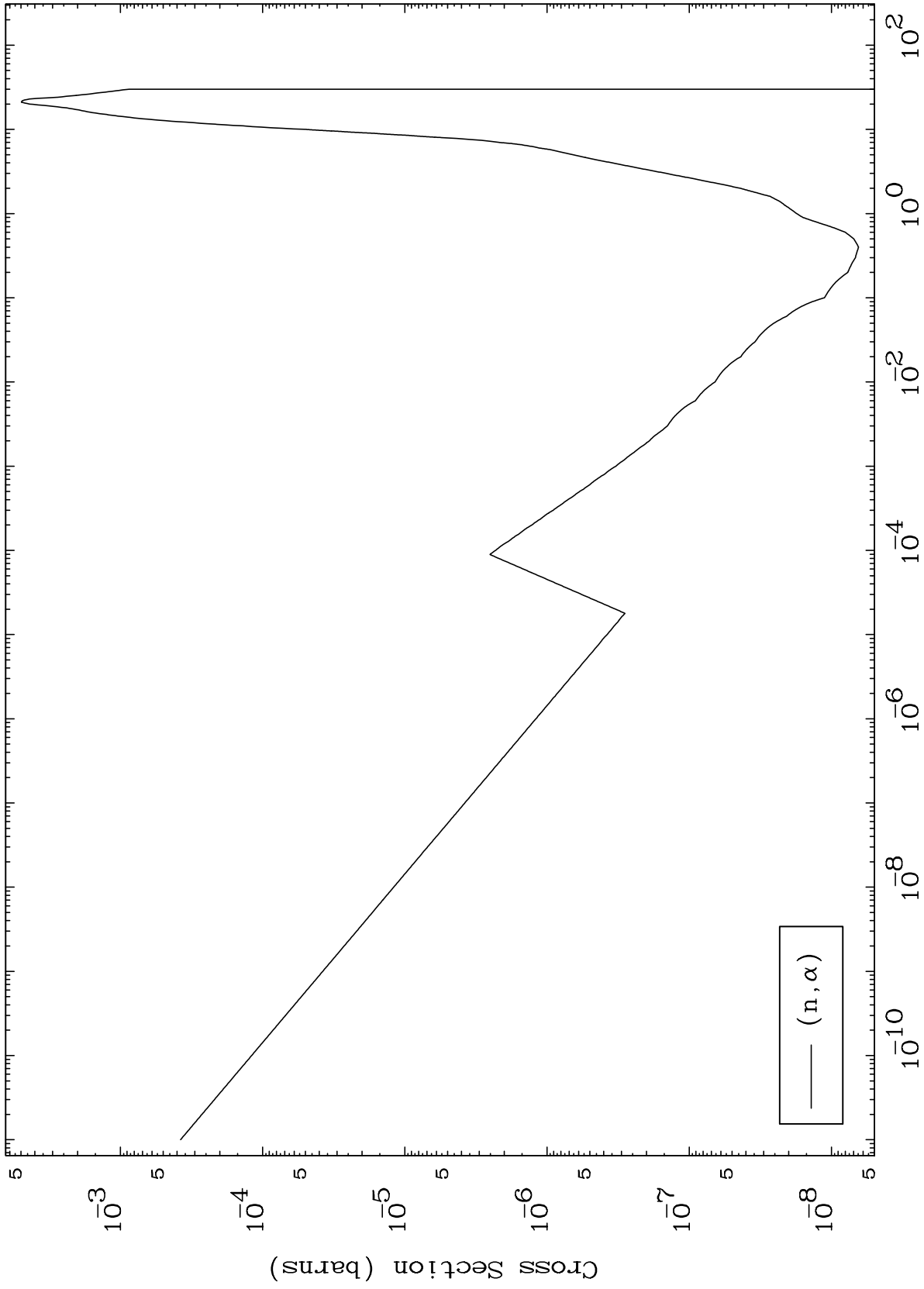
Incident Energy (MeV)

83-Bi-214

MAT 8340

(n,α) Levels
293 Kelvin Cross Sections

83-Bi-214

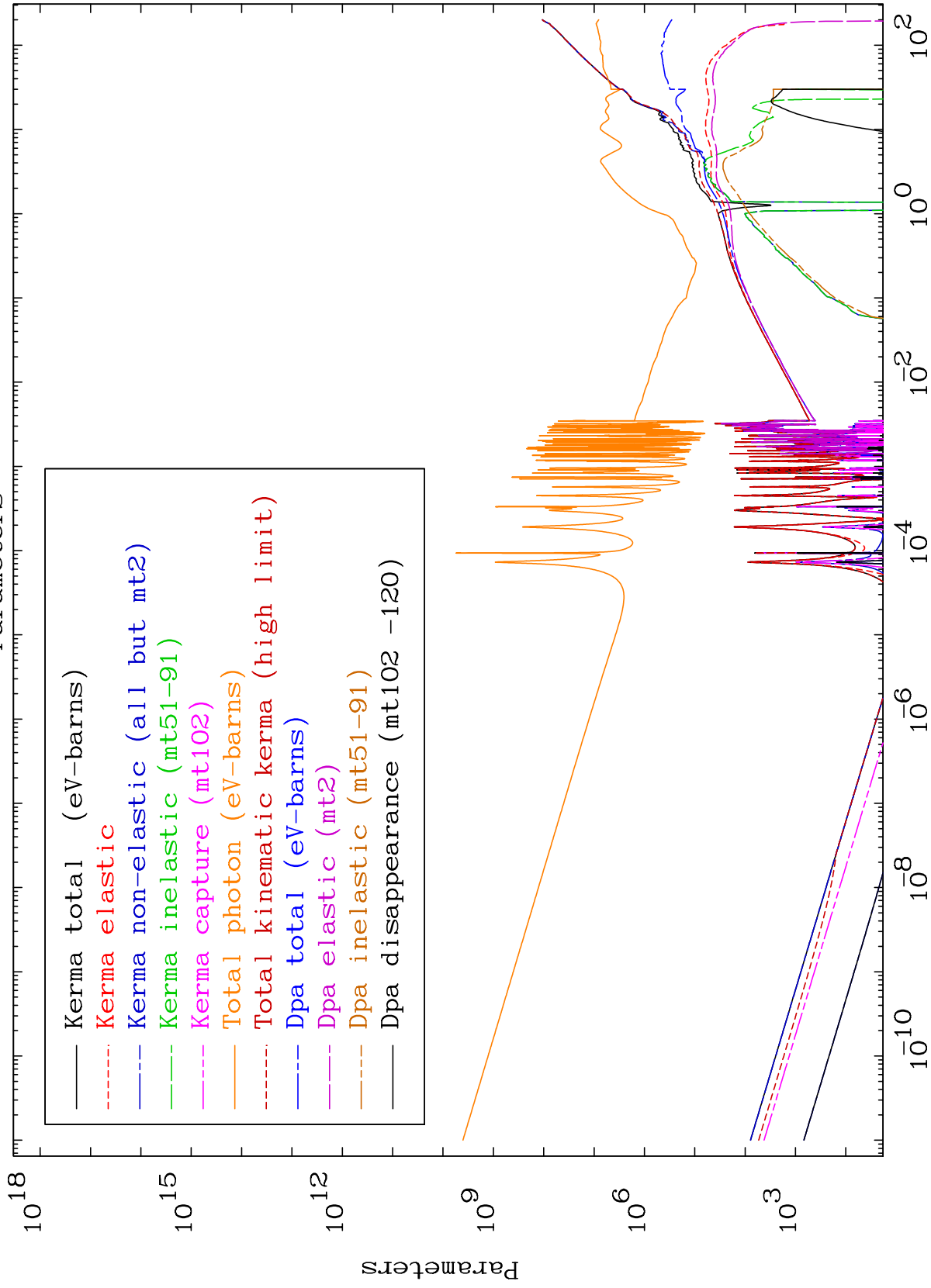


14

Incident Energy (MeV)

83-Bi-214

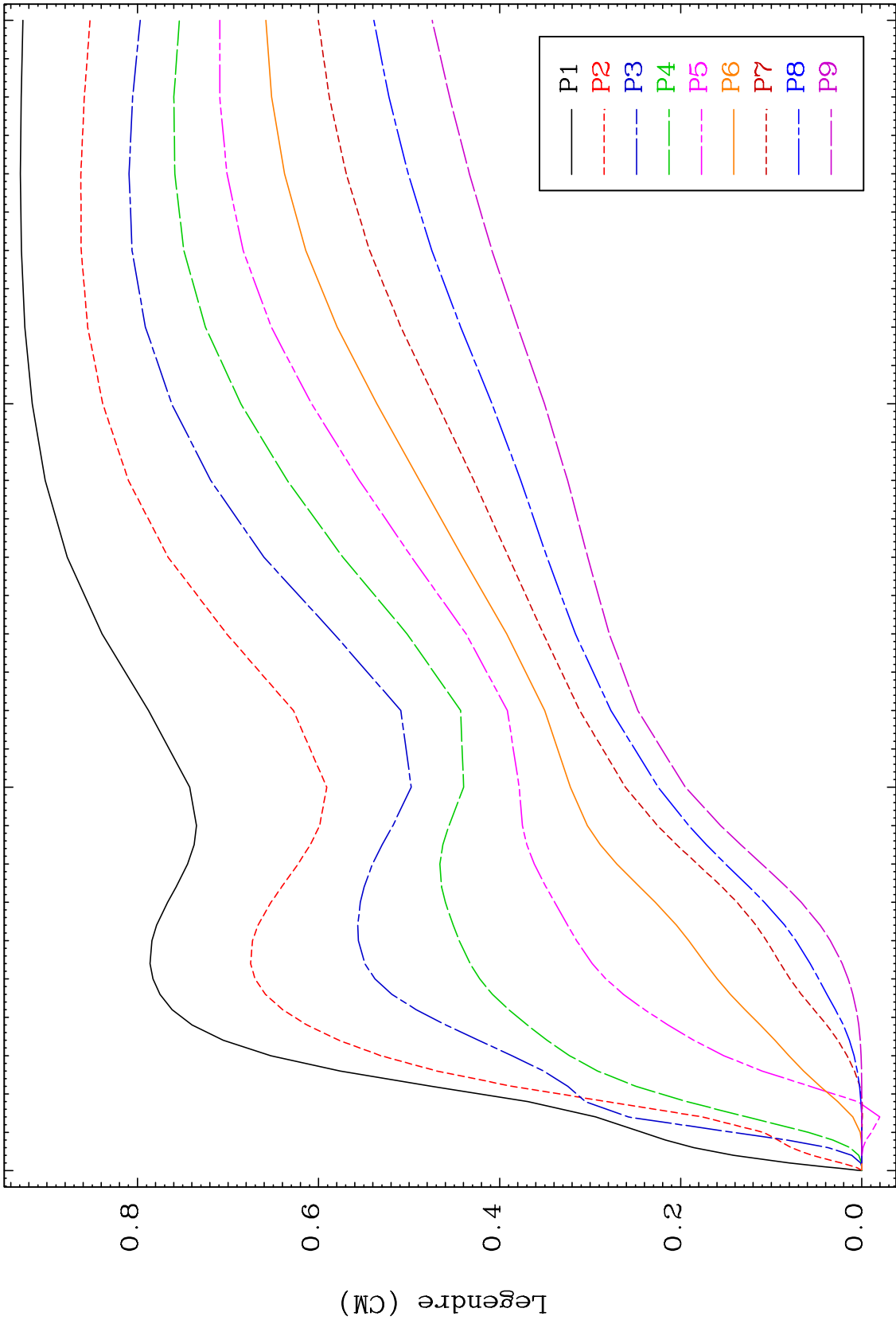
— (n,α)



MAT 8340

Elastic Legendre Coefficients

$^{83}\text{Bi-214}$



0

10

20

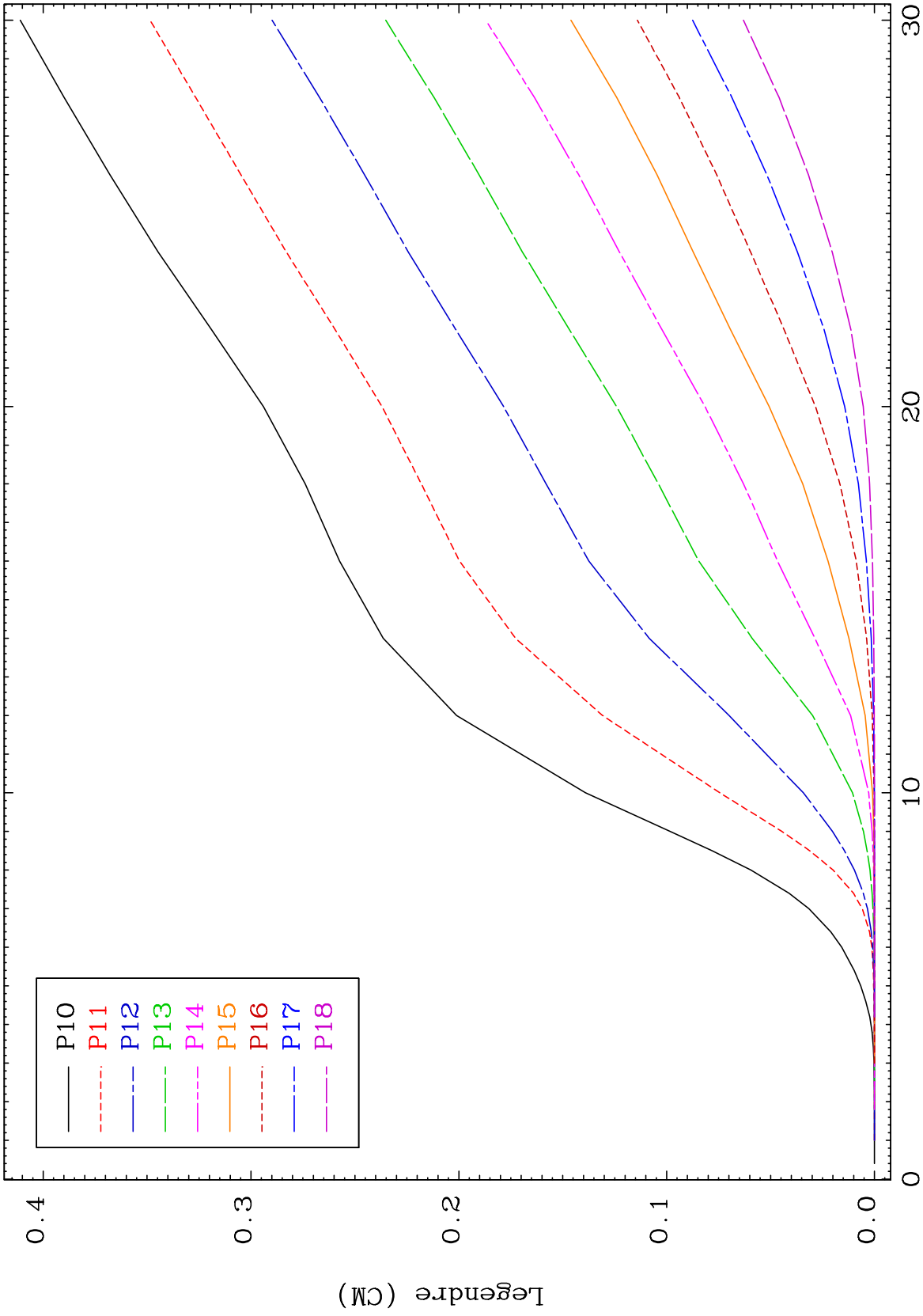
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$^{83}\text{Bi-214}$

MAT 8340

Elastic Legendre Coefficients

83-Bi-214



17

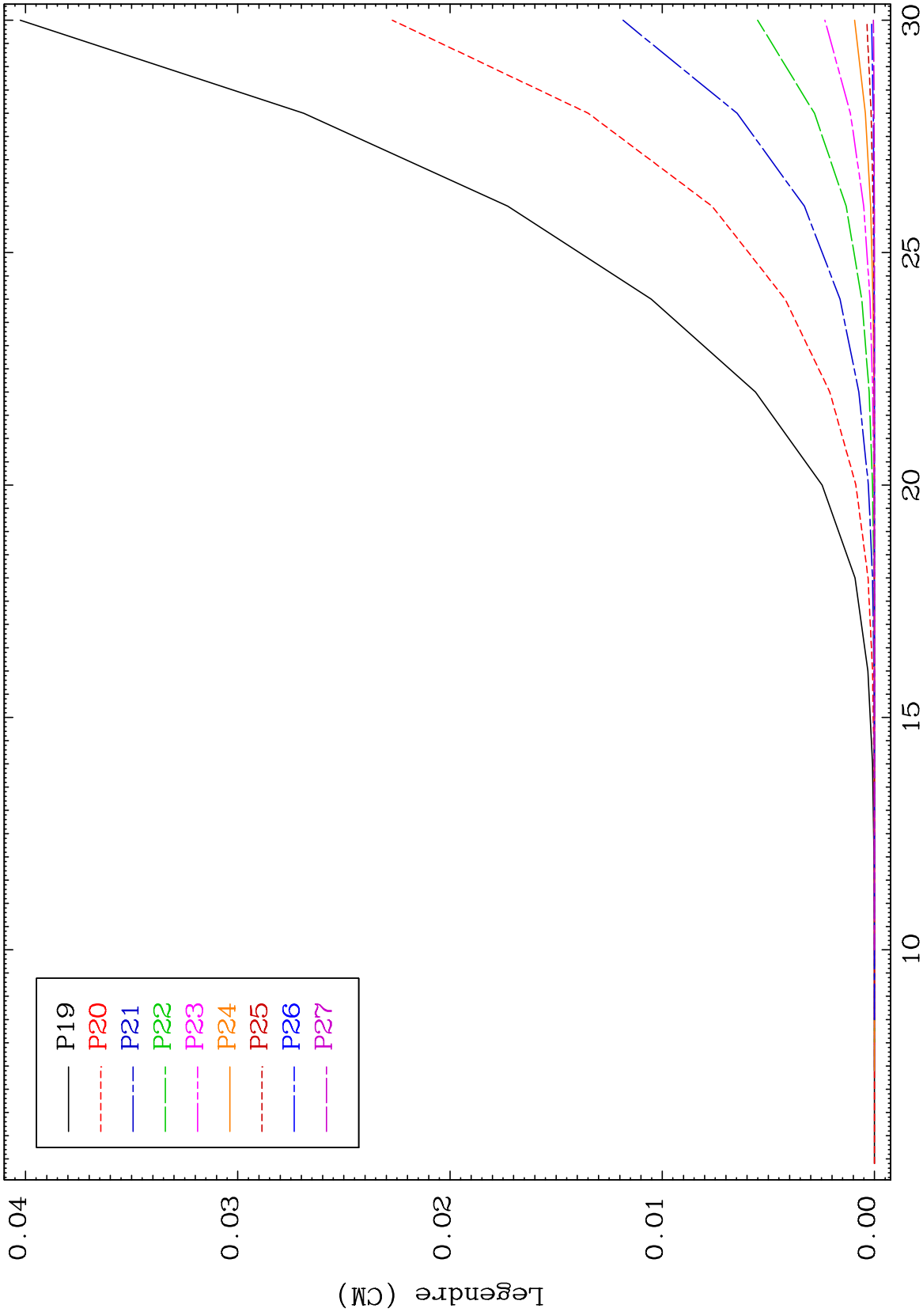
Incident Energy (MeV)

83-Bi-214

MAT 8340

Elastic Legendre Coefficients

83-Bi-214



18

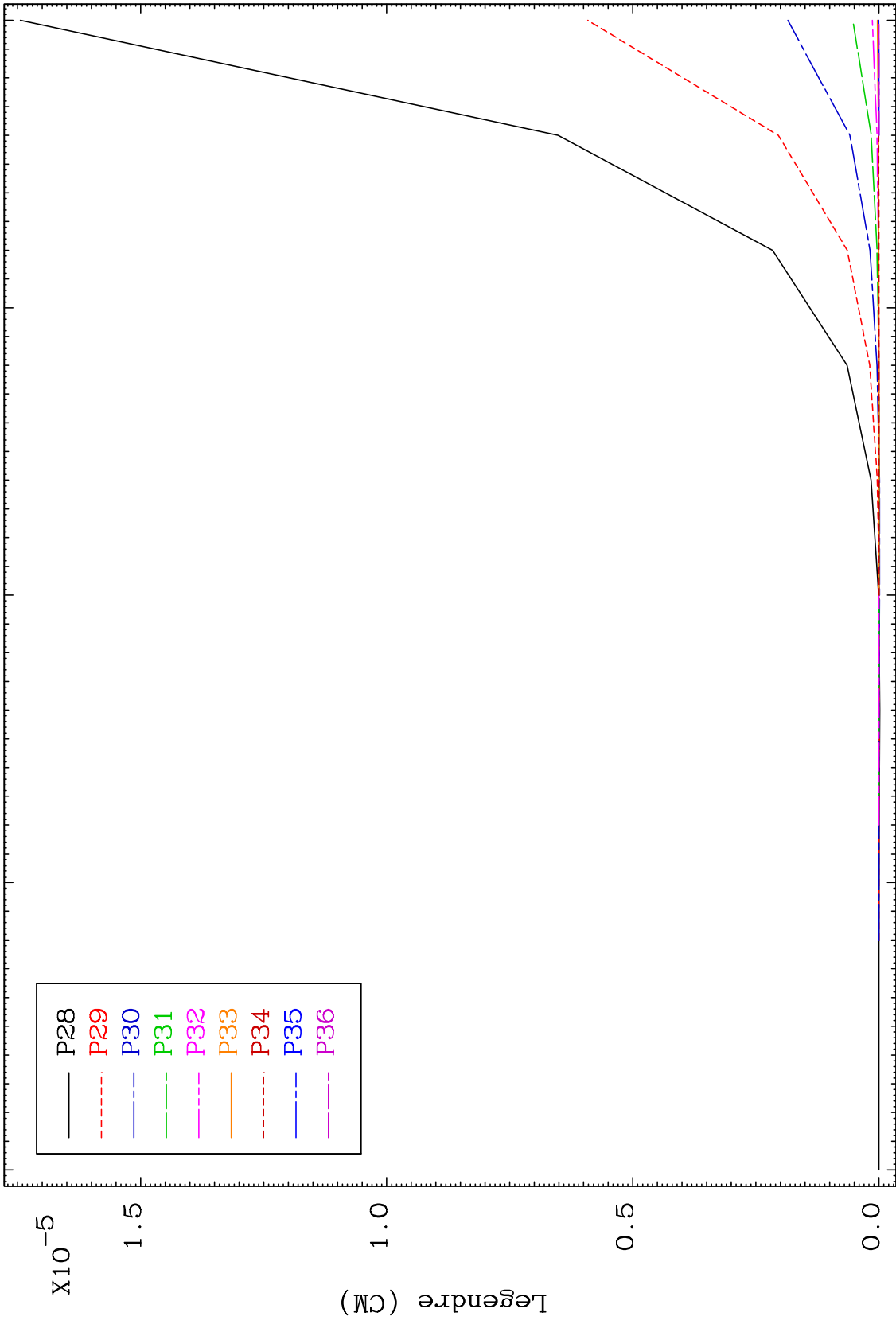
Incident Energy (MeV)

83-Bi-214

MAT 8340

Elastic Legendre Coefficients

83-Bi-214



19

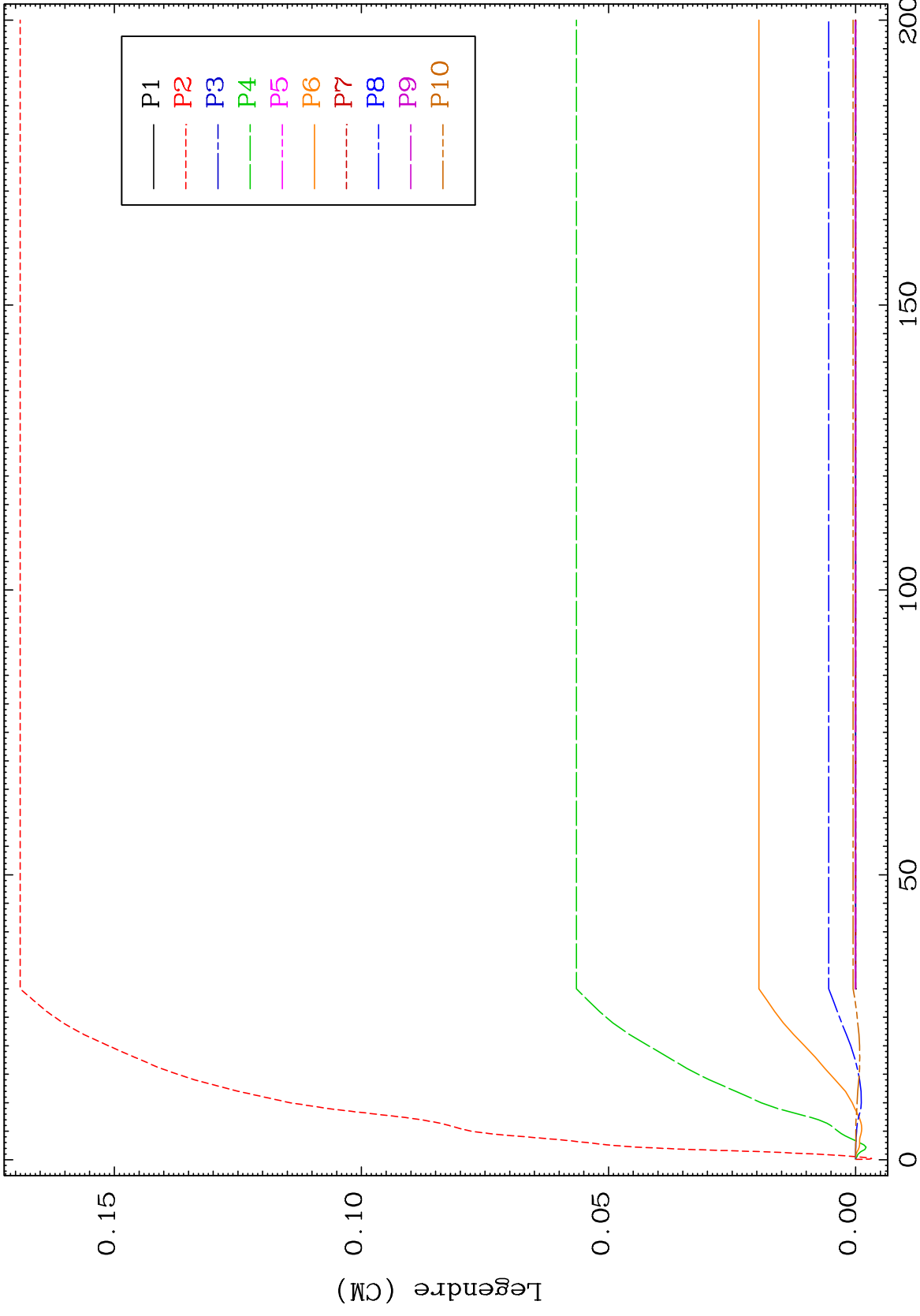
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



20

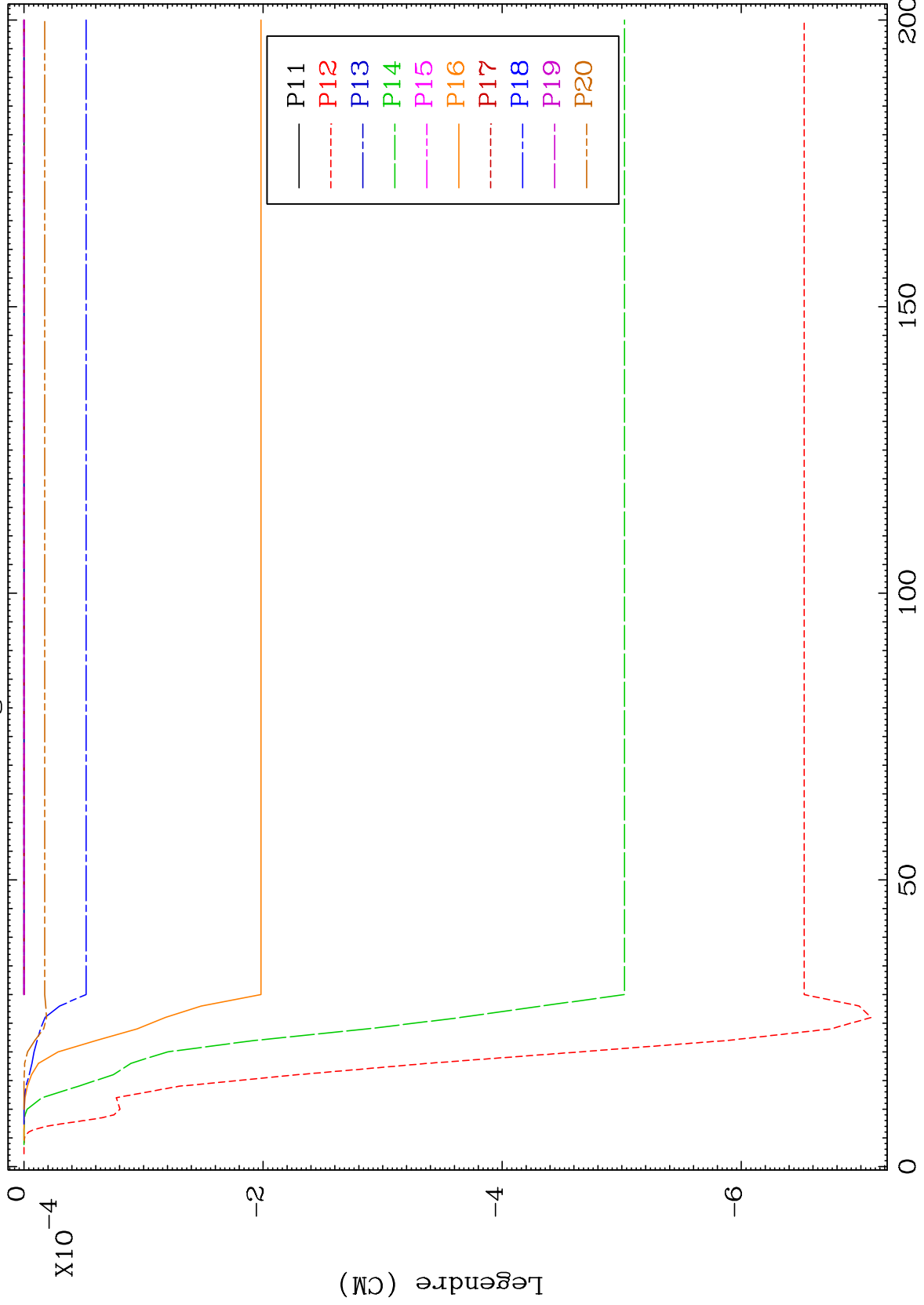
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



83-Bi-214

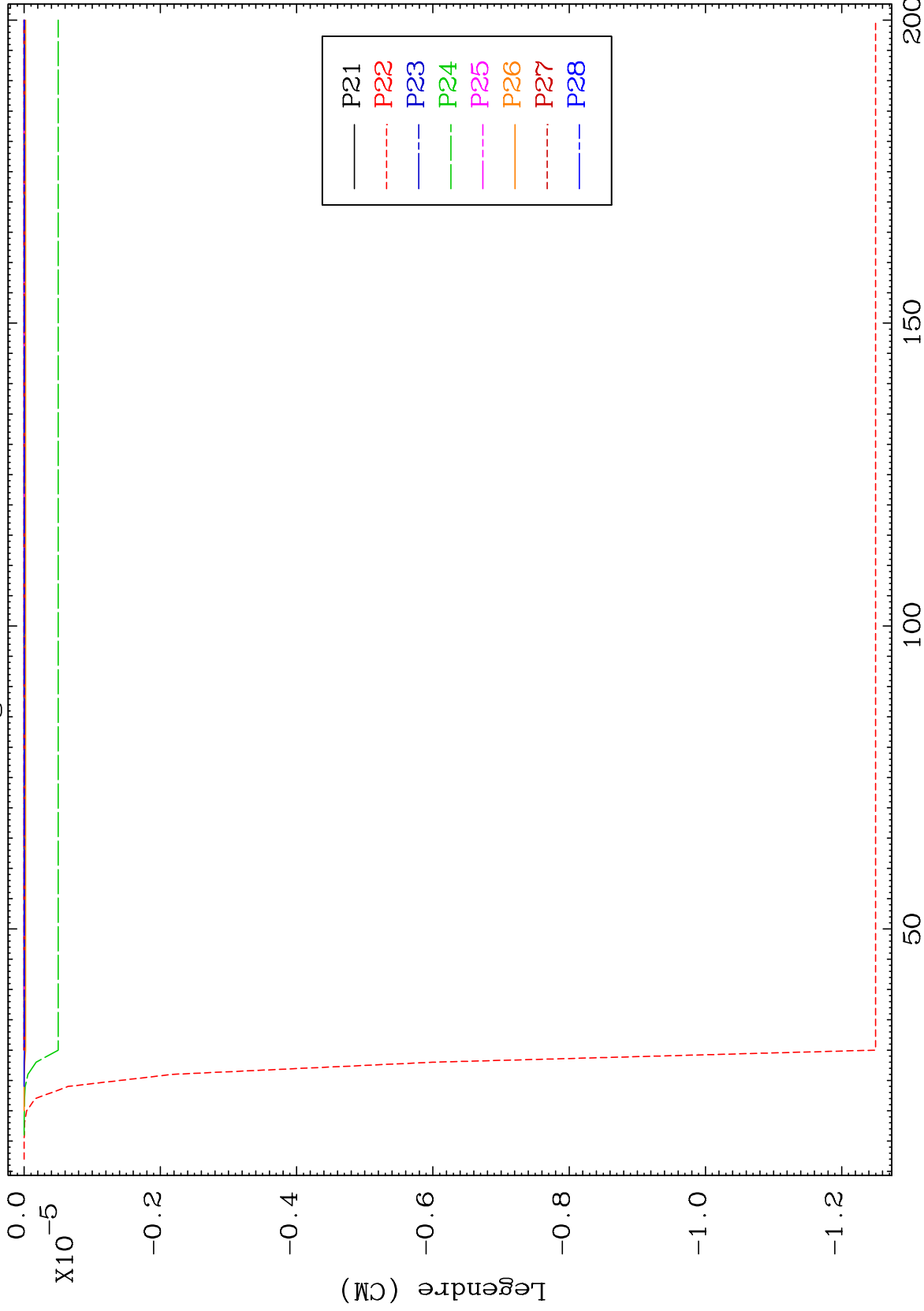
Incident Energy (MeV)

21

MAT 8340

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

83-Bi-214



83-Bi-214

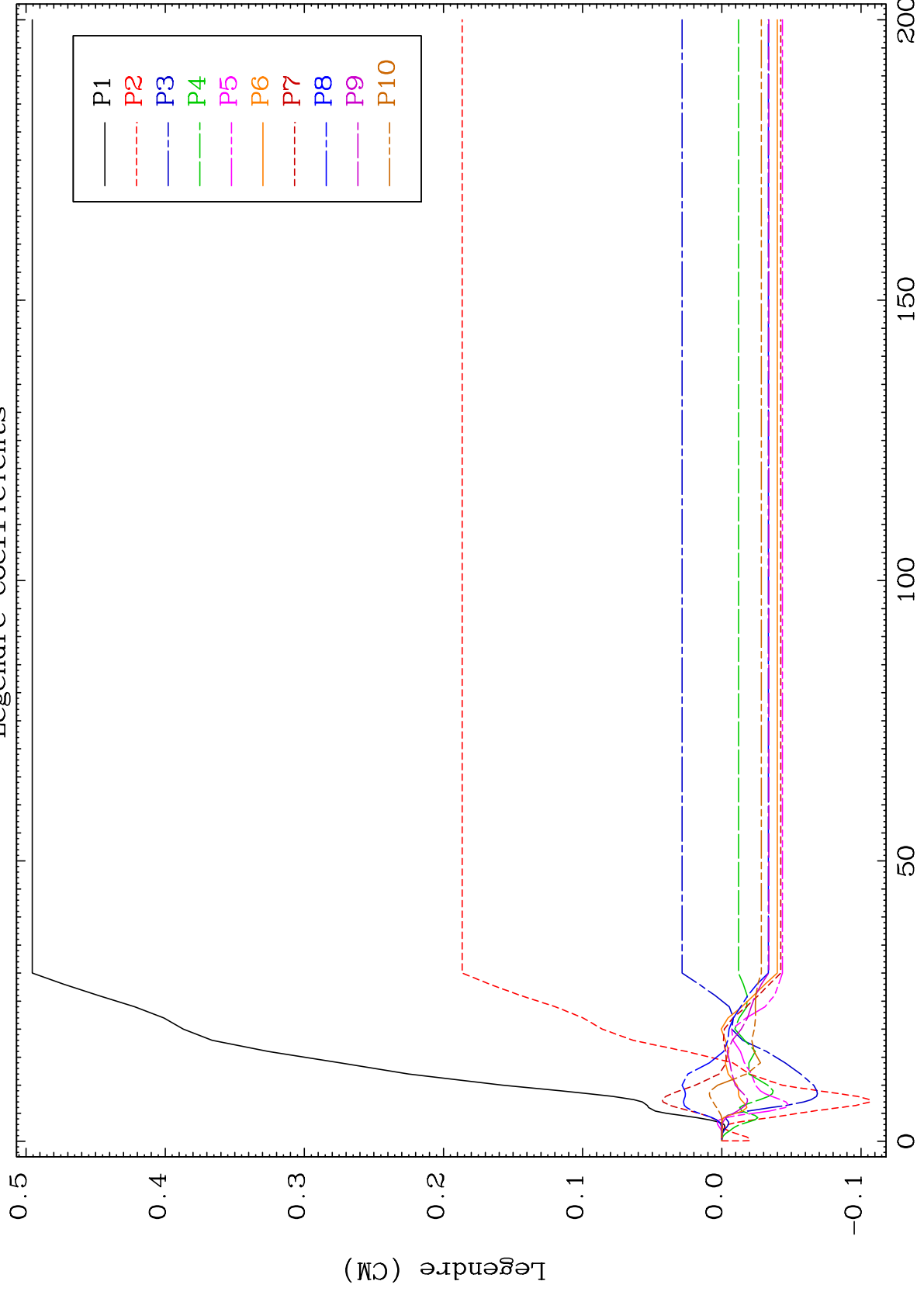
Incident Energy (MeV)

22

MAT 8340

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

83-Bi-214



23

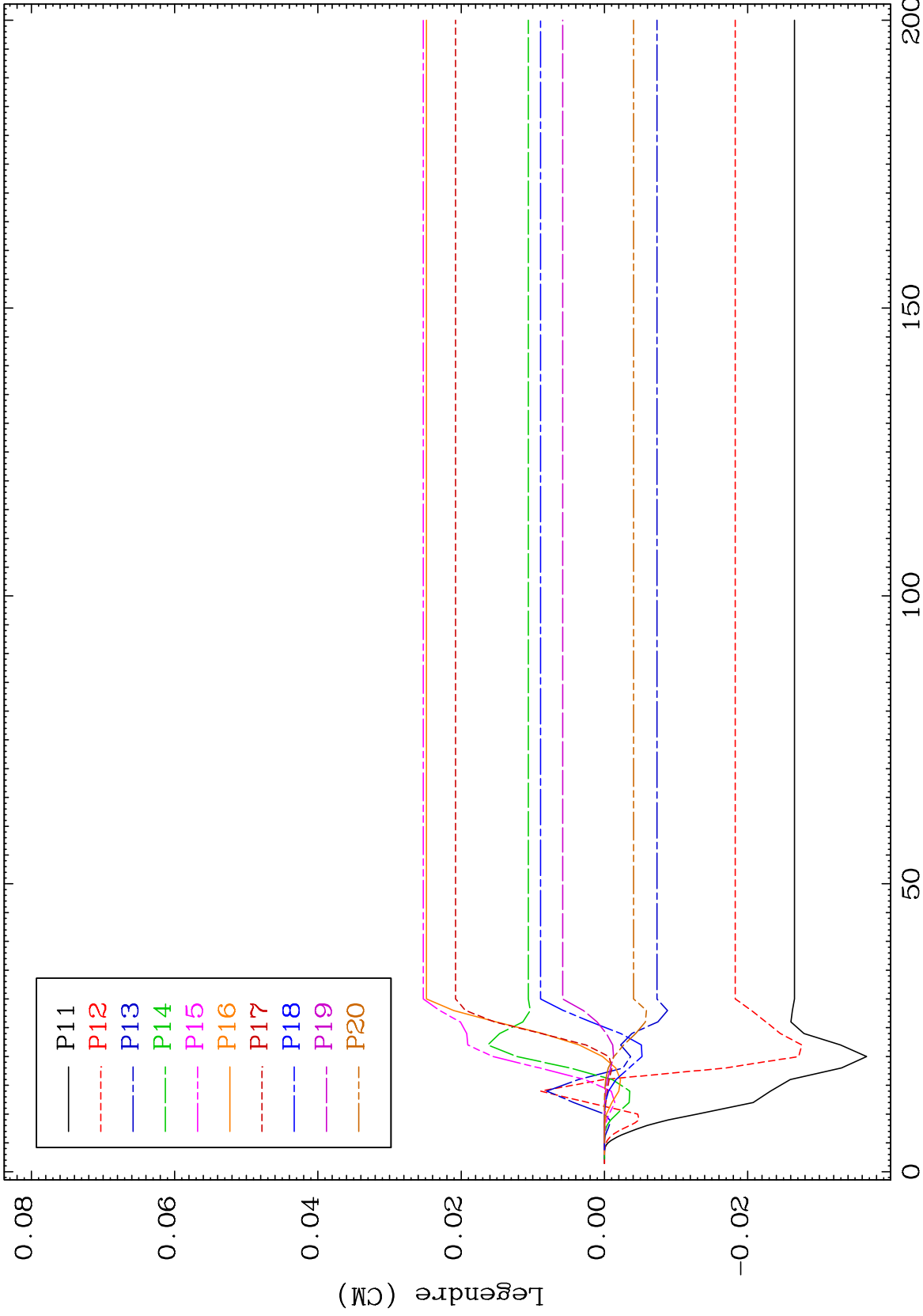
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



24

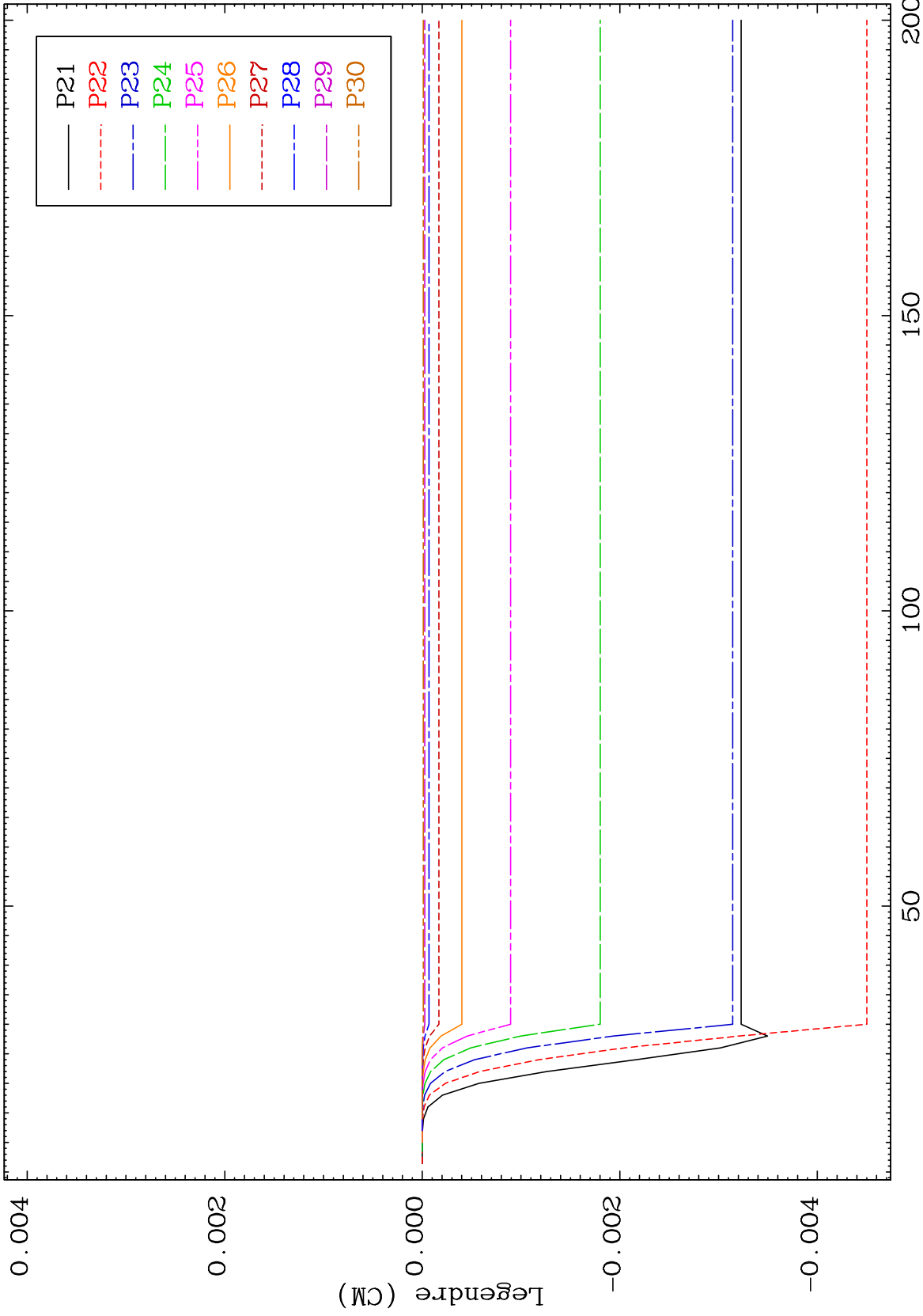
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



25

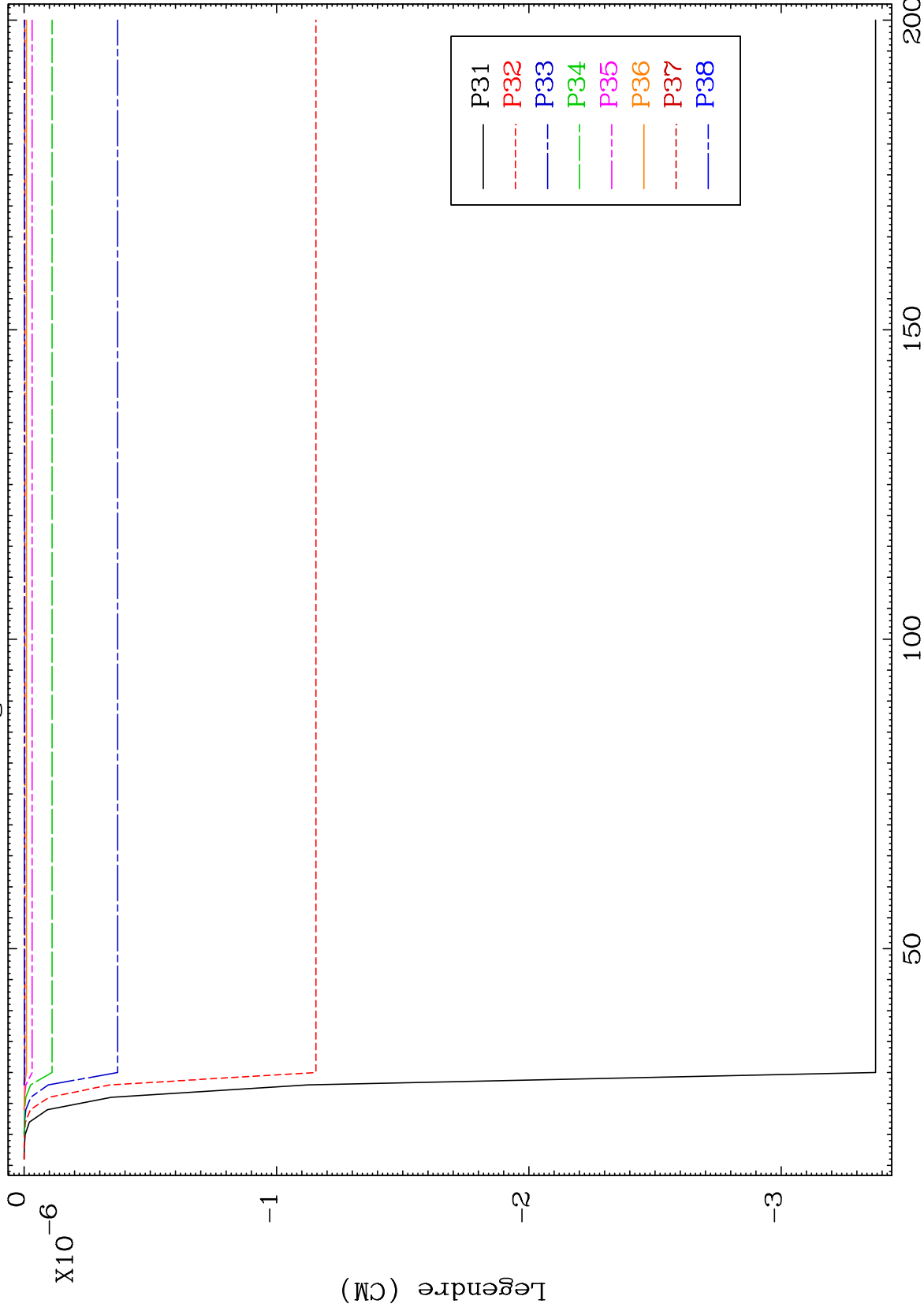
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



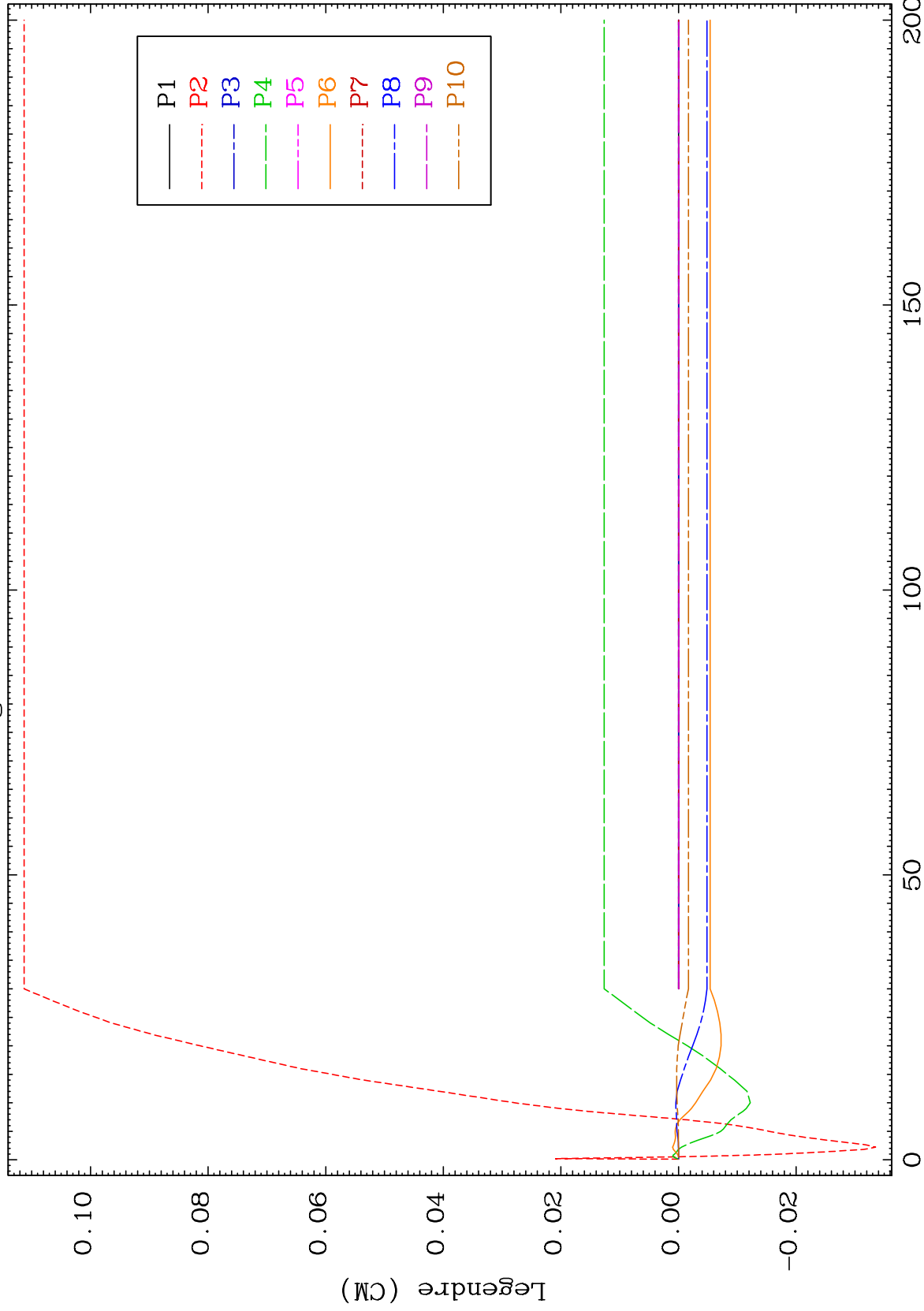
26

83-Bi-214

MAT 8340

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

83-Bi-214



27

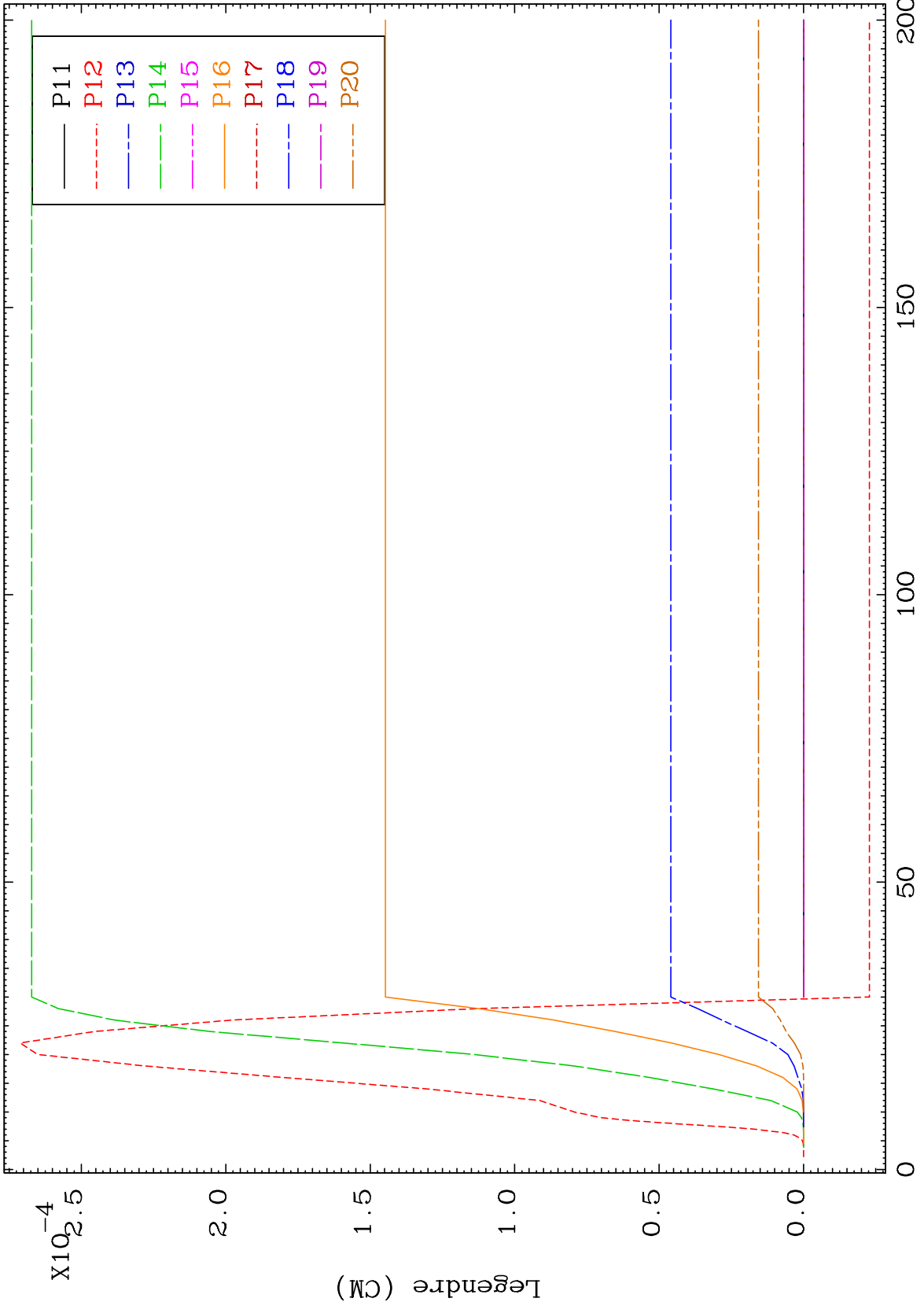
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



28

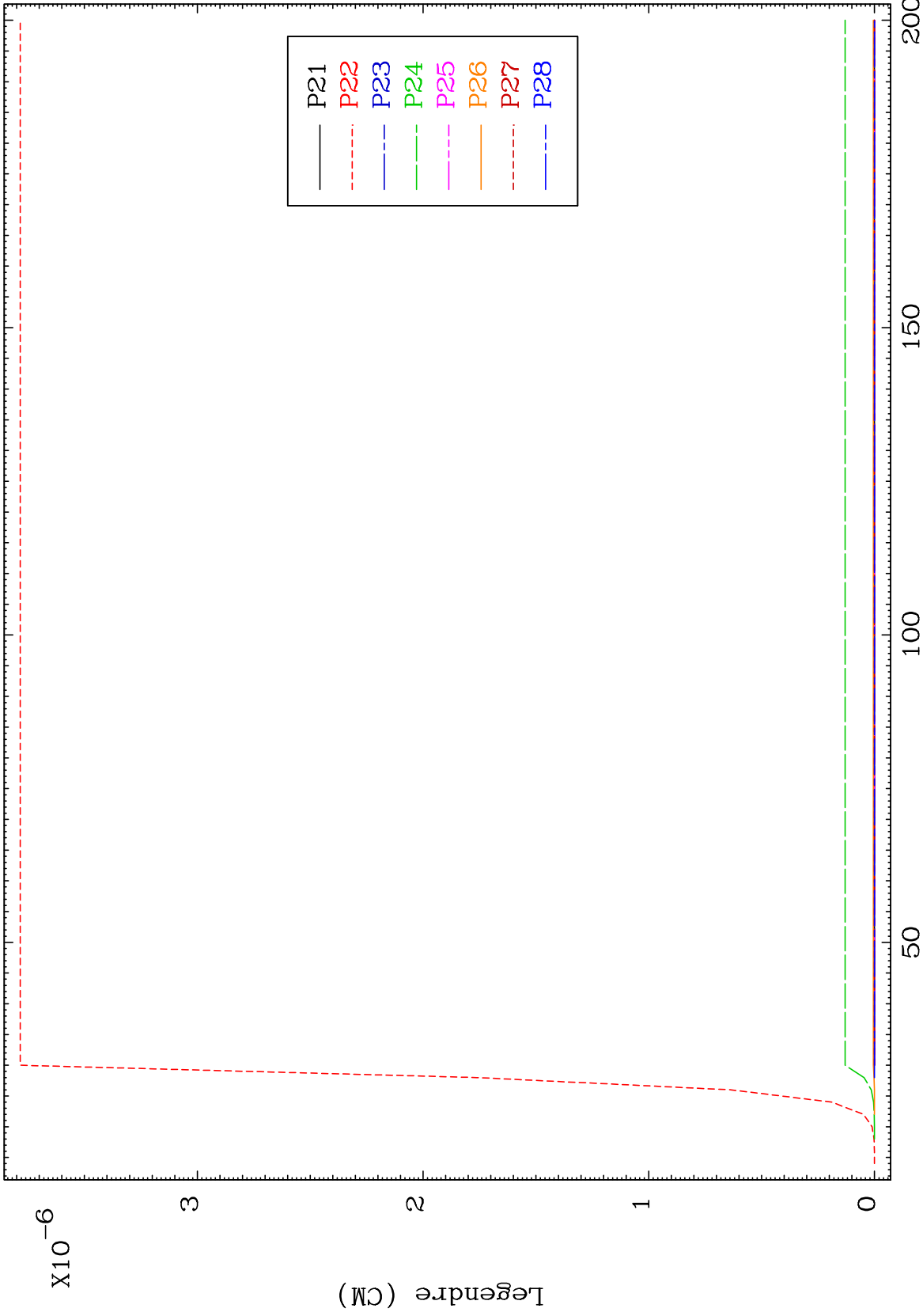
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



29

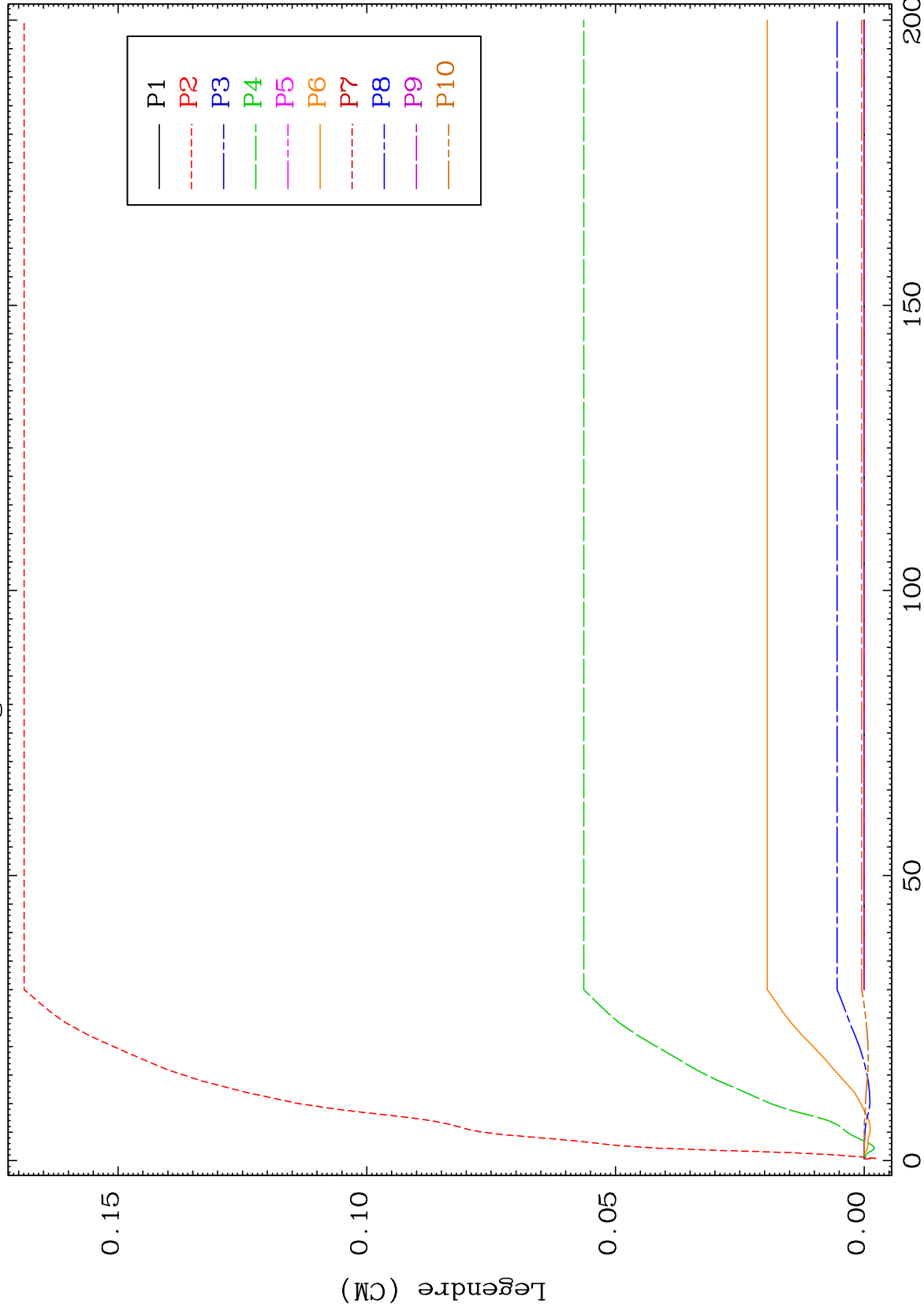
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



83-Bi-214

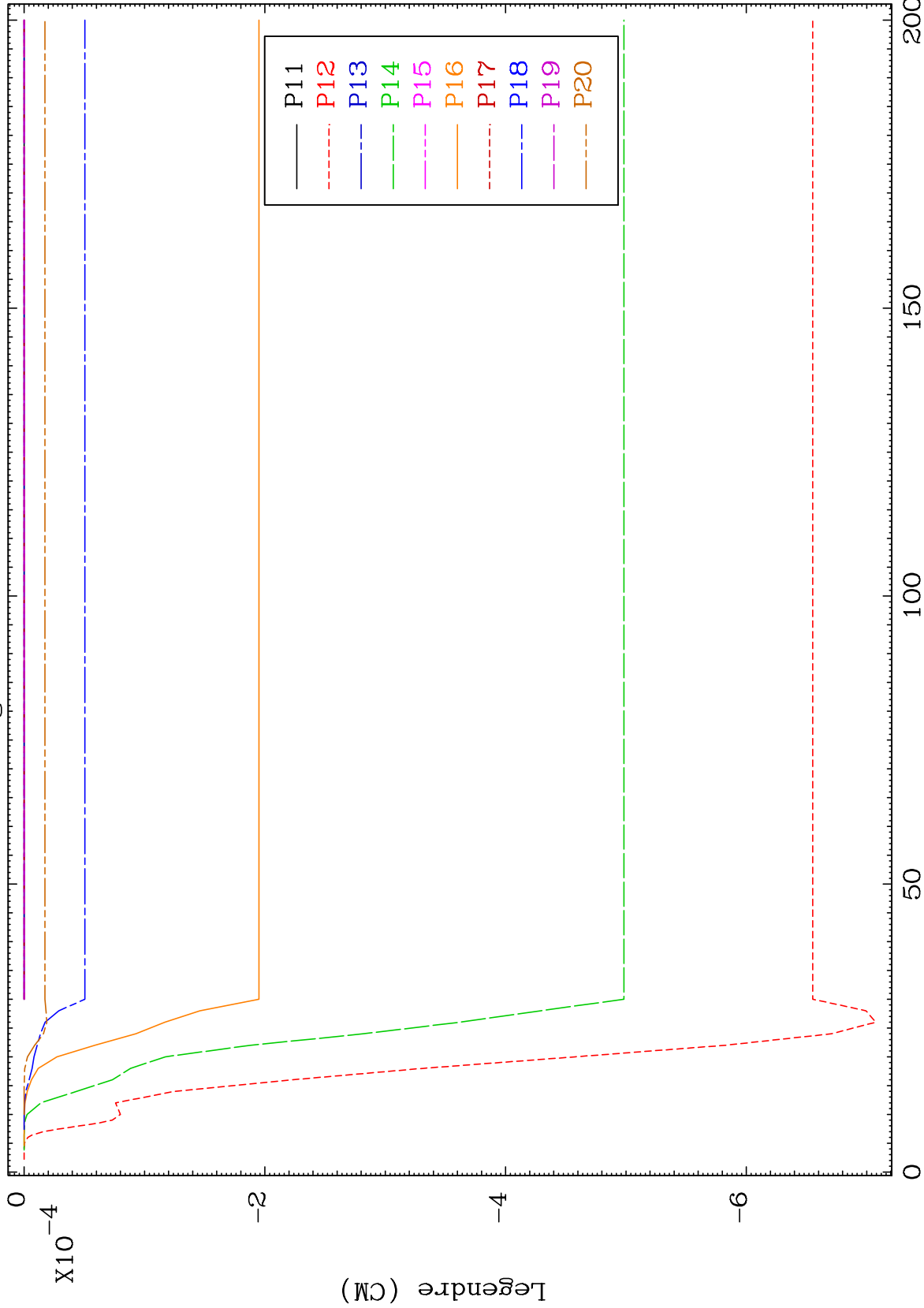
Incident Energy (MeV)

30

MAT 8340

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

83-Bi-214



31

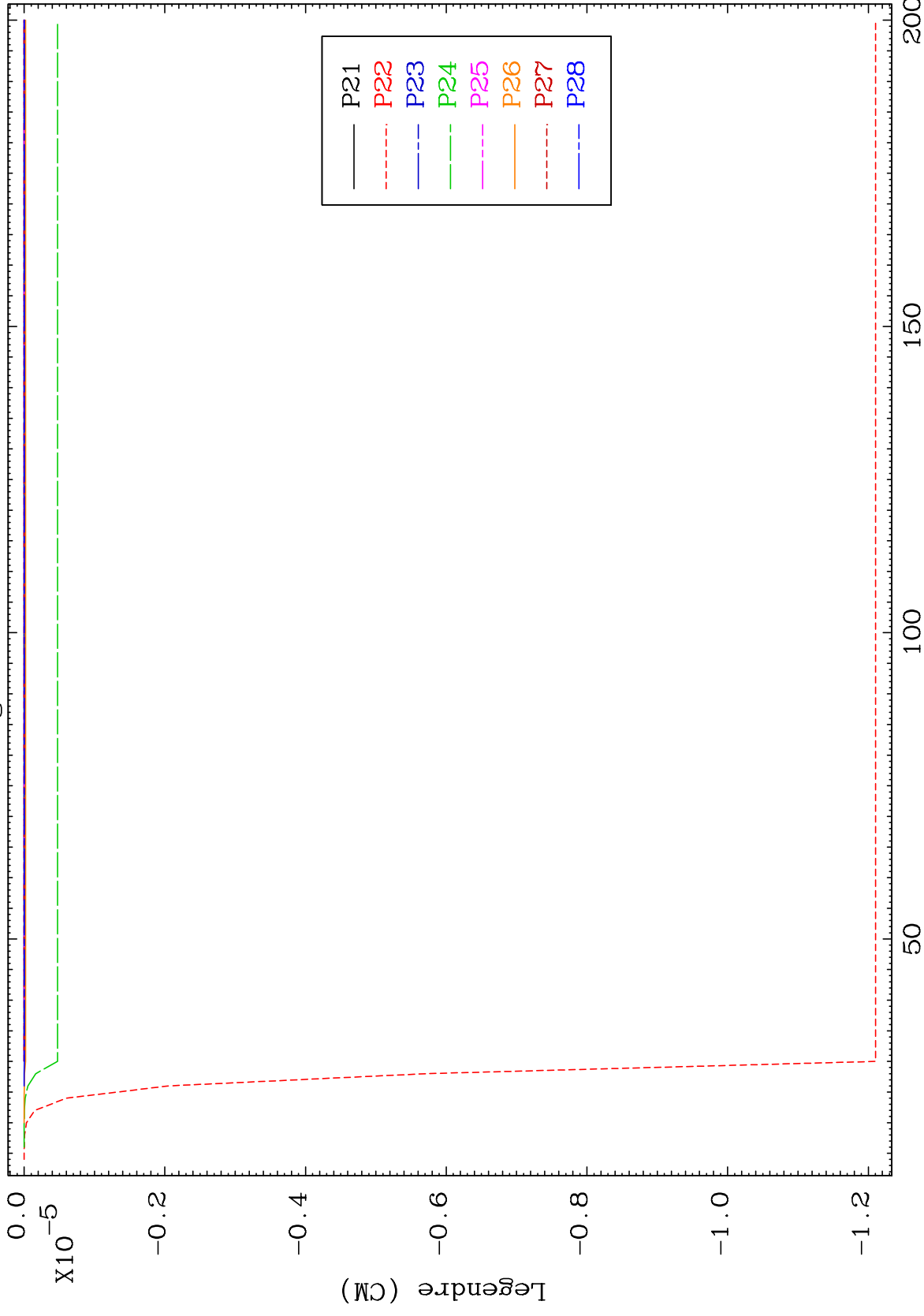
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



83-Bi-214

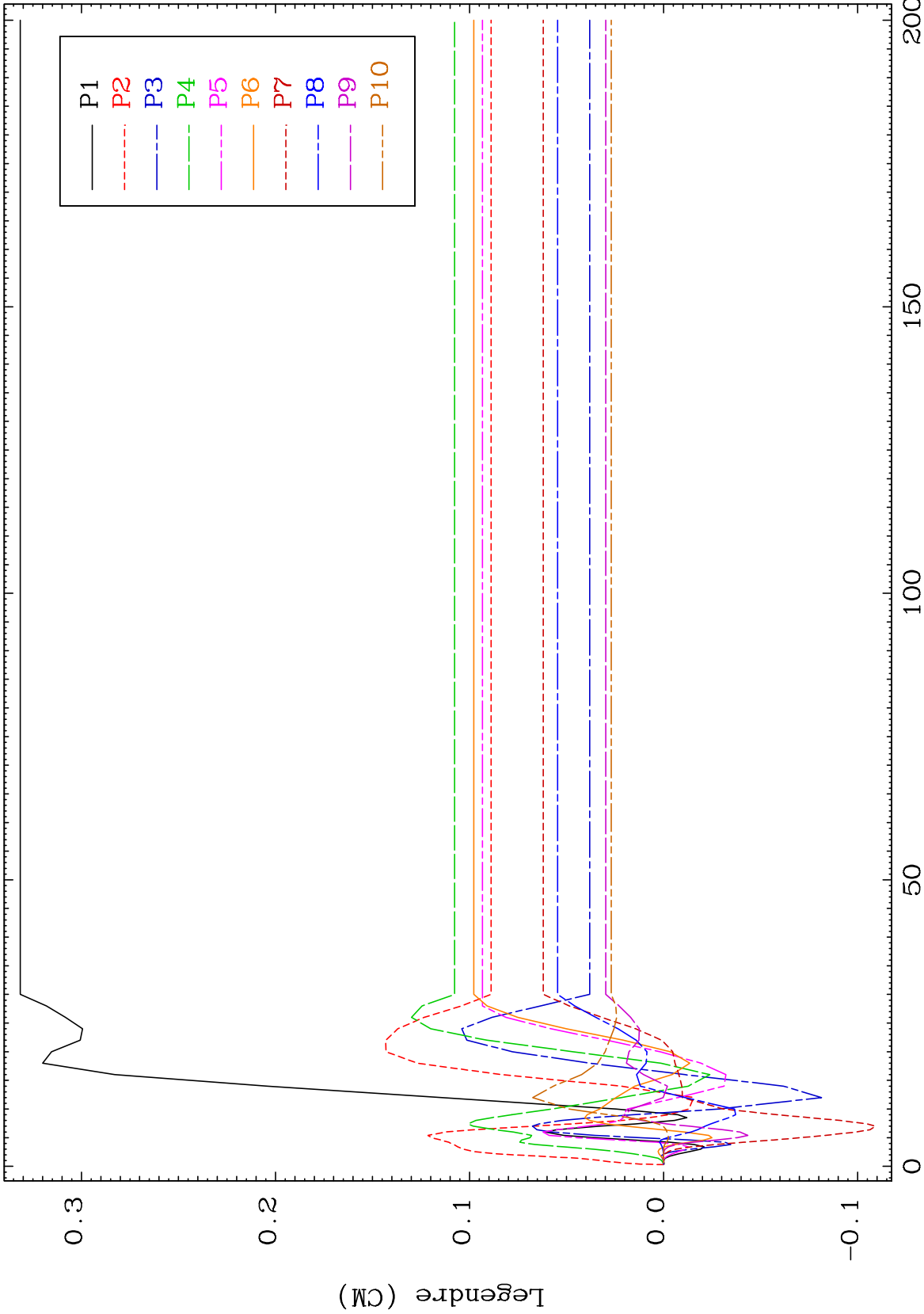
Incident Energy (MeV)

32

MAT 8340

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

83-Bi-214



33

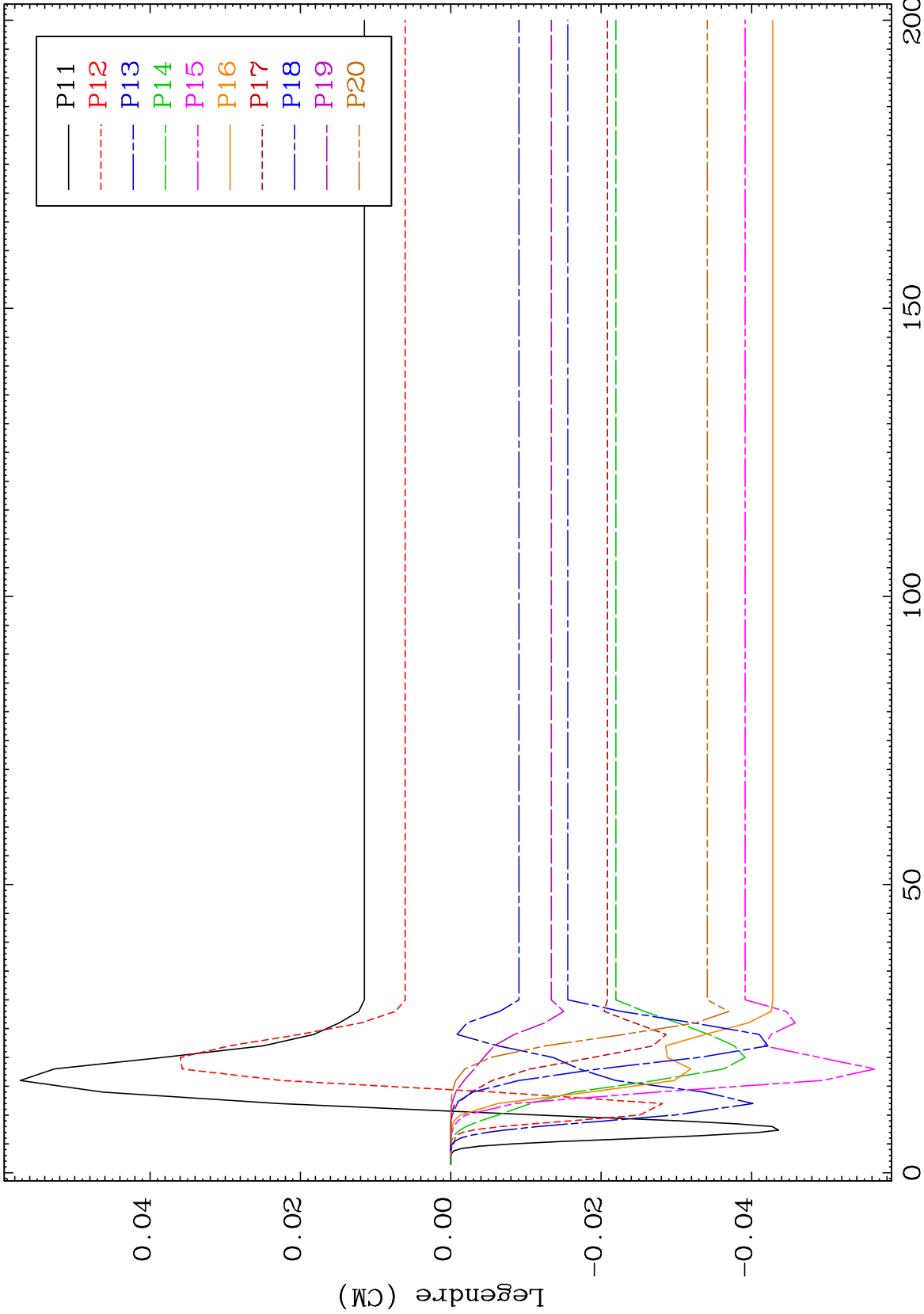
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



34

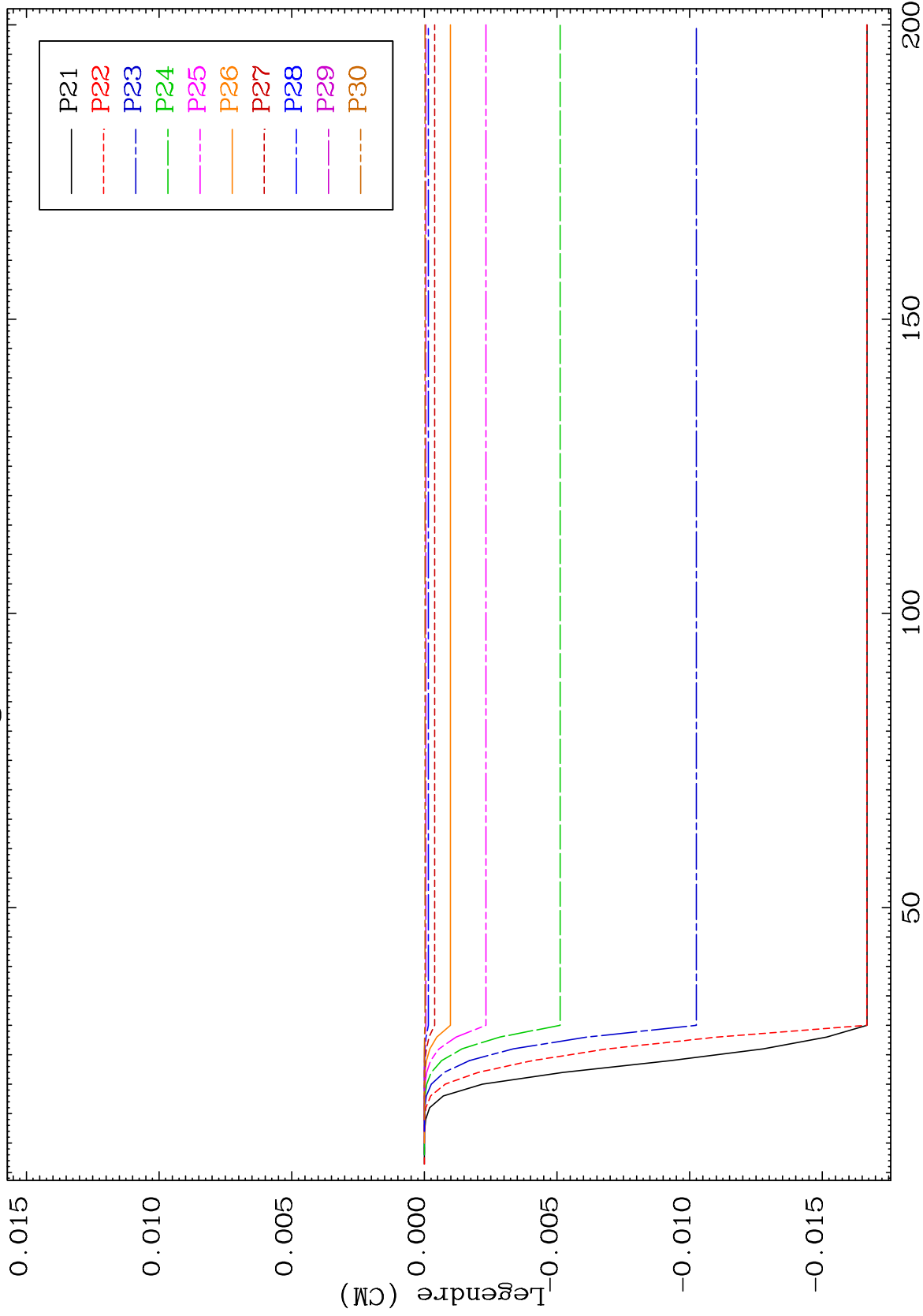
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



35

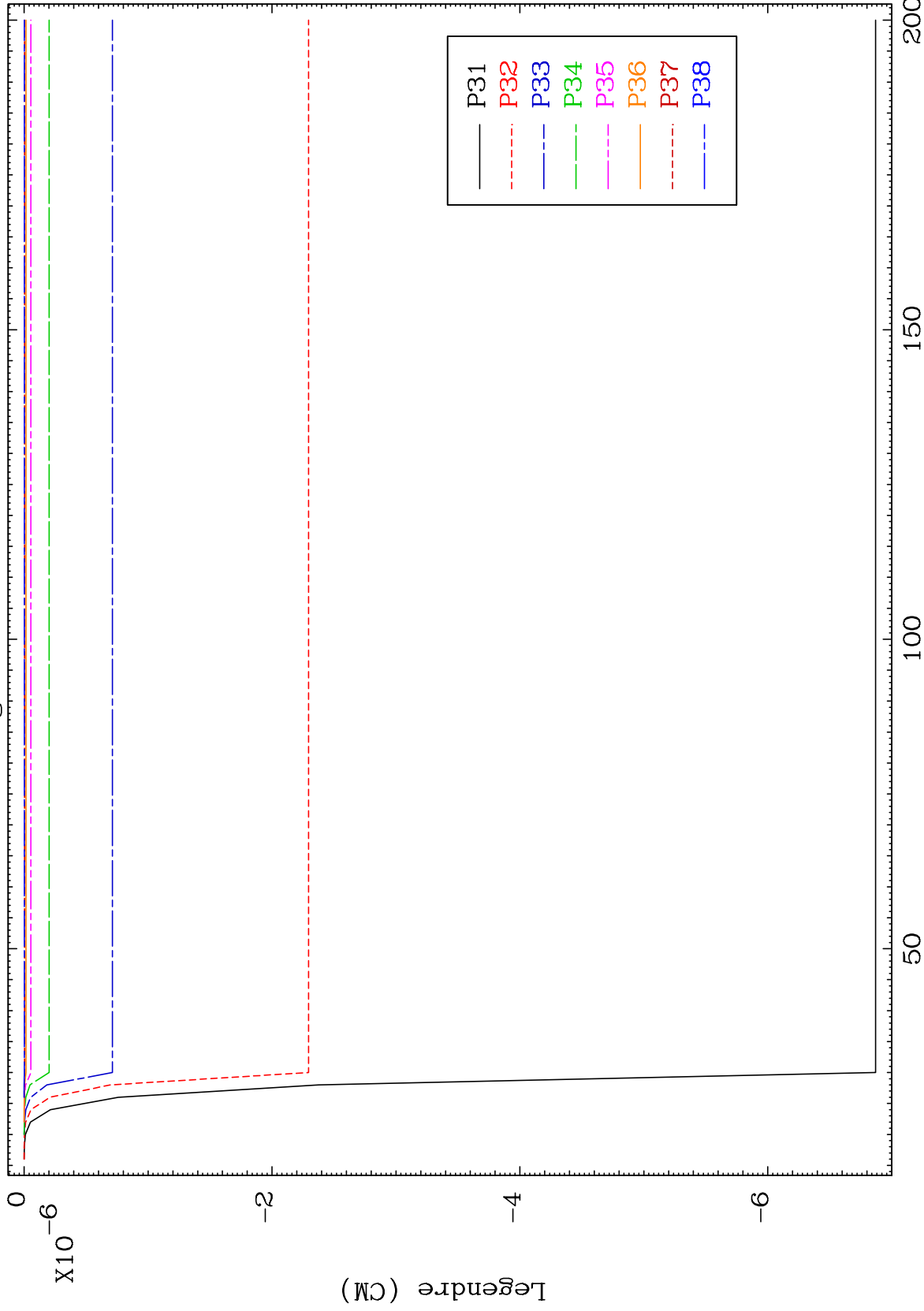
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



83-Bi-214

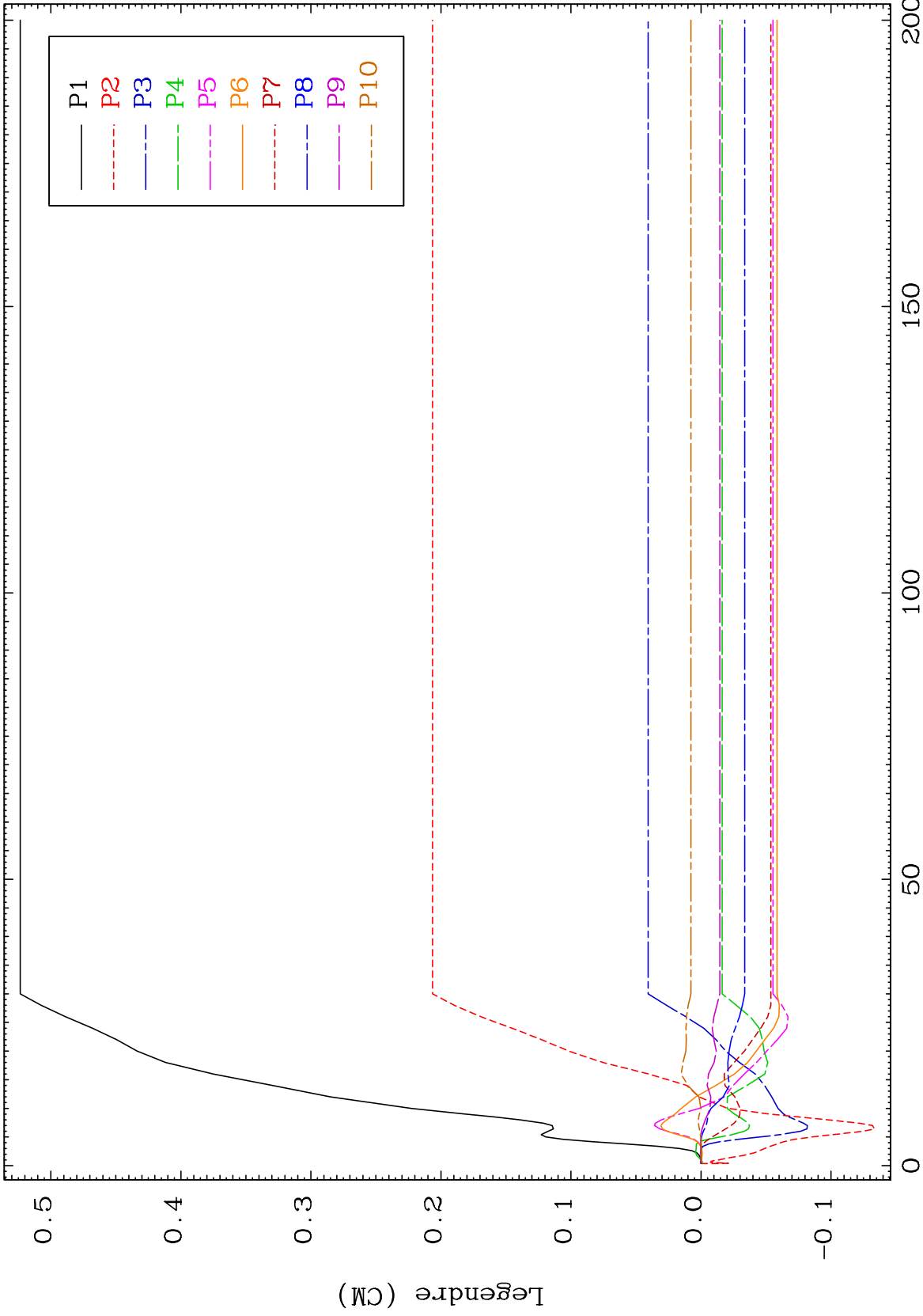
Incident Energy (MeV)

36

MAT 8340

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

83-Bi-214



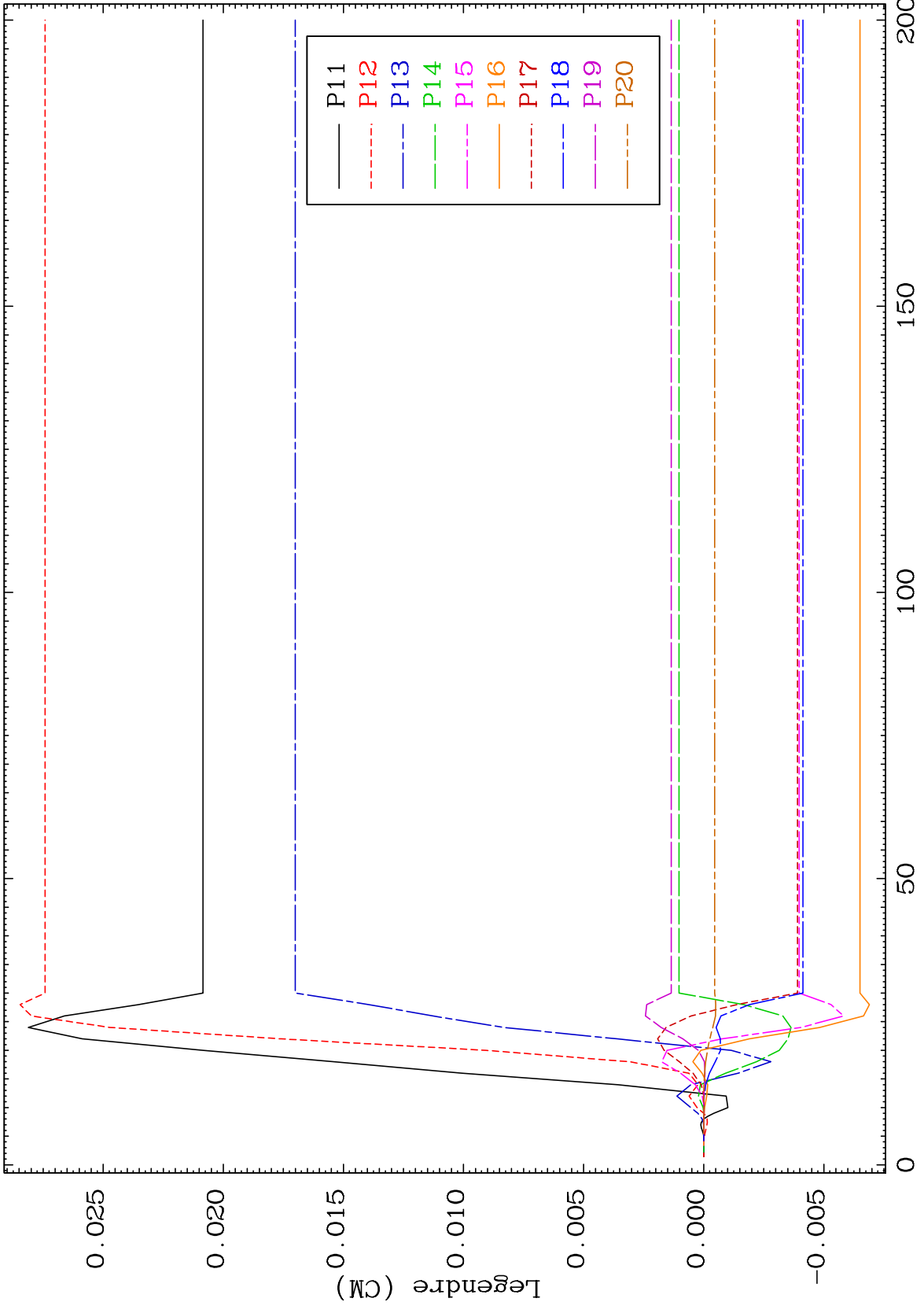
37

83-Bi-214

MAT 8340

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

83-Bi-214



38

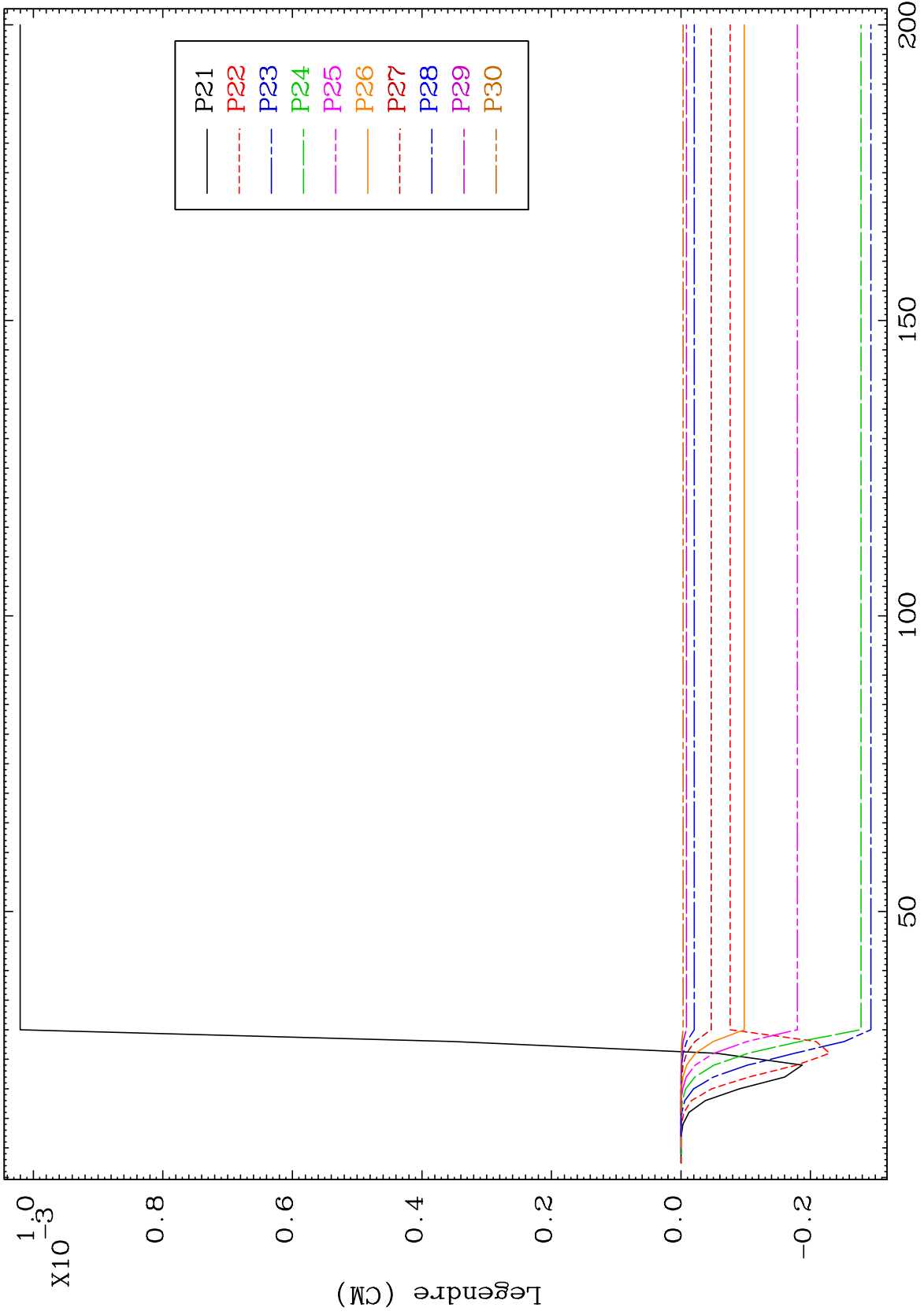
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



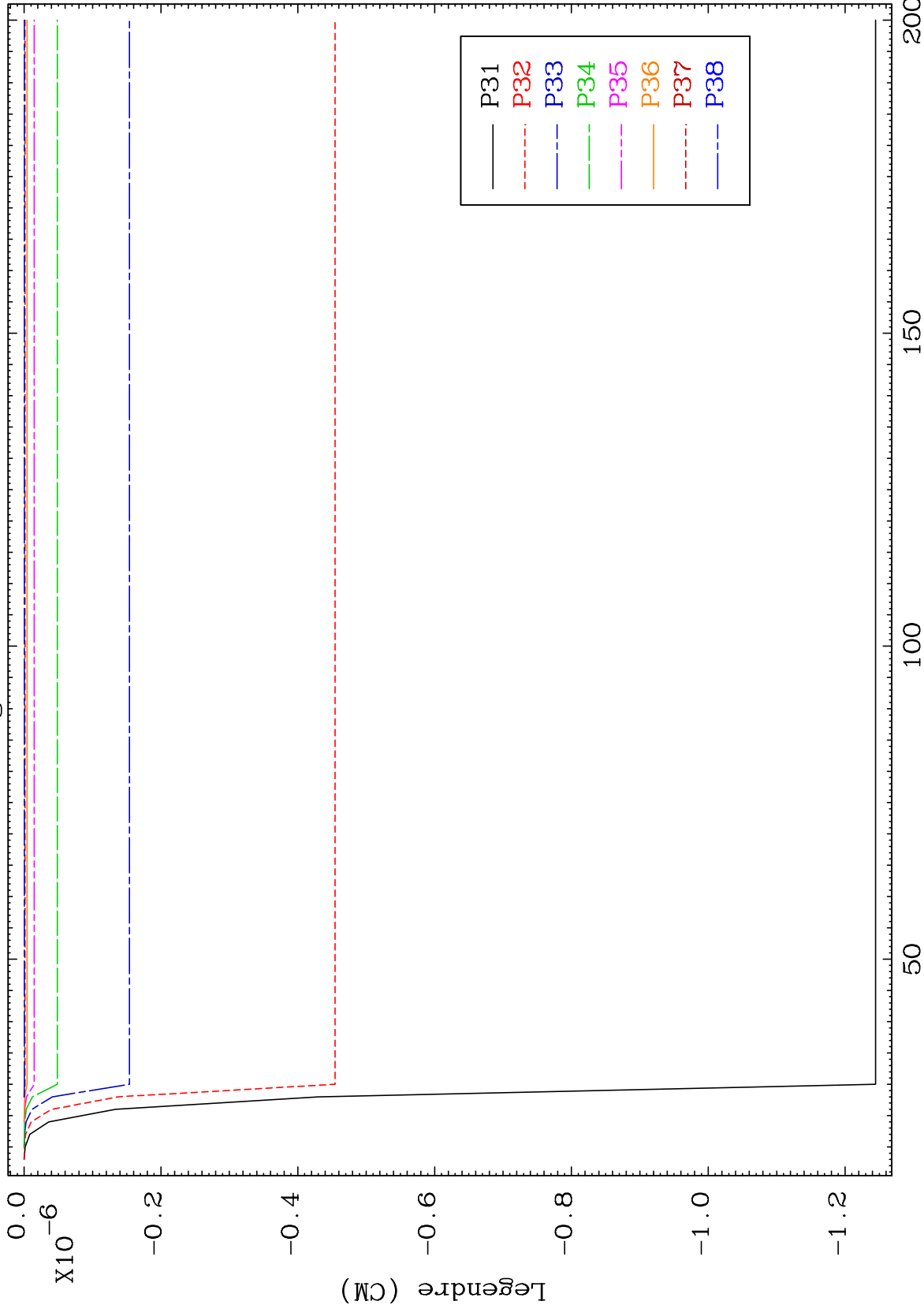
39

83-Bi-214

MAT 8340

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

83-Bi-214



83-Bi-214

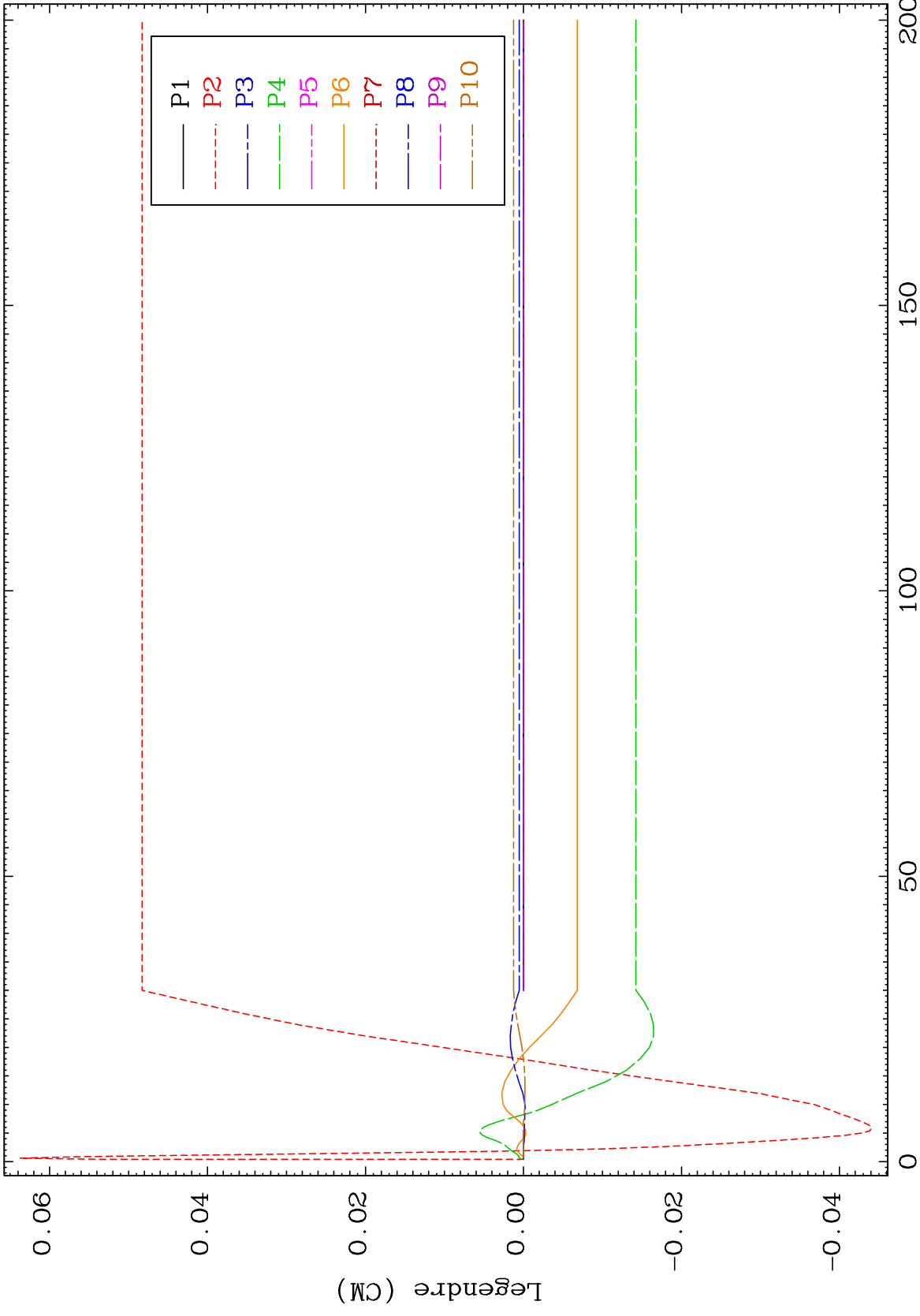
Incident Energy (MeV)

40

MAT 8340

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

83-Bi-214



41

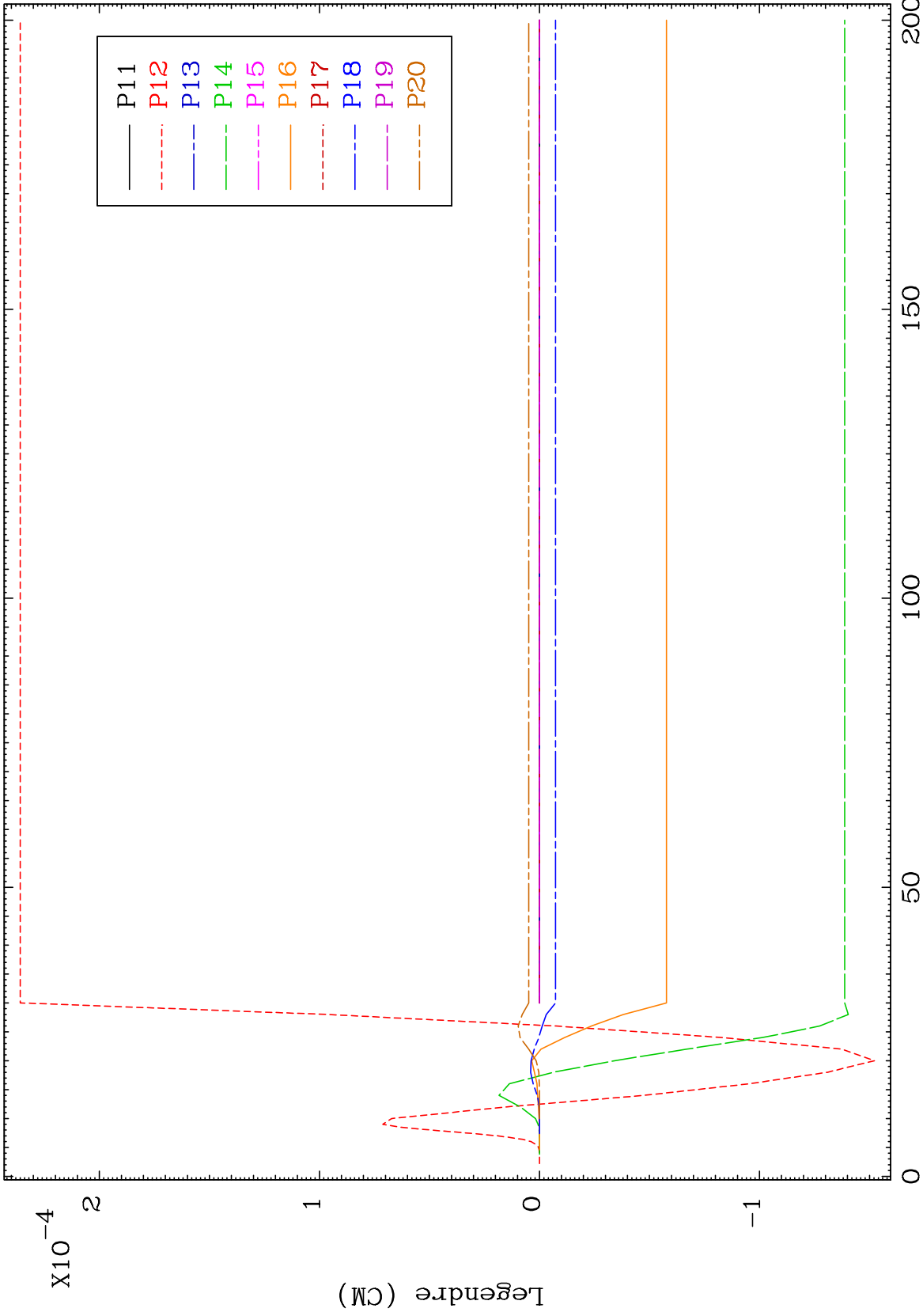
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214

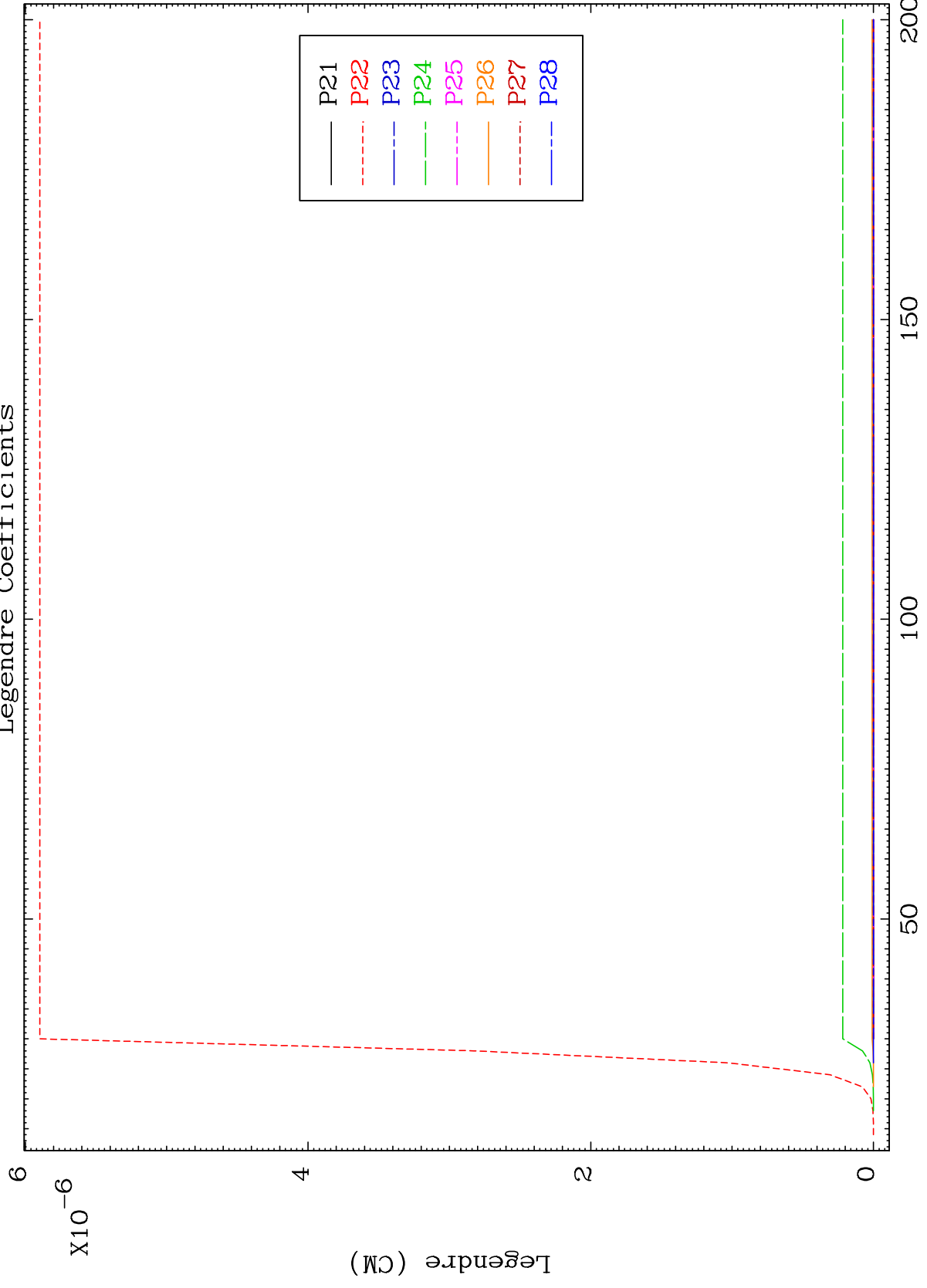


42

Incident Energy (MeV)

83-Bi-214

MAT 8340 MT= 57 (n,n') Level Legendre Coefficients 83-Bi-214

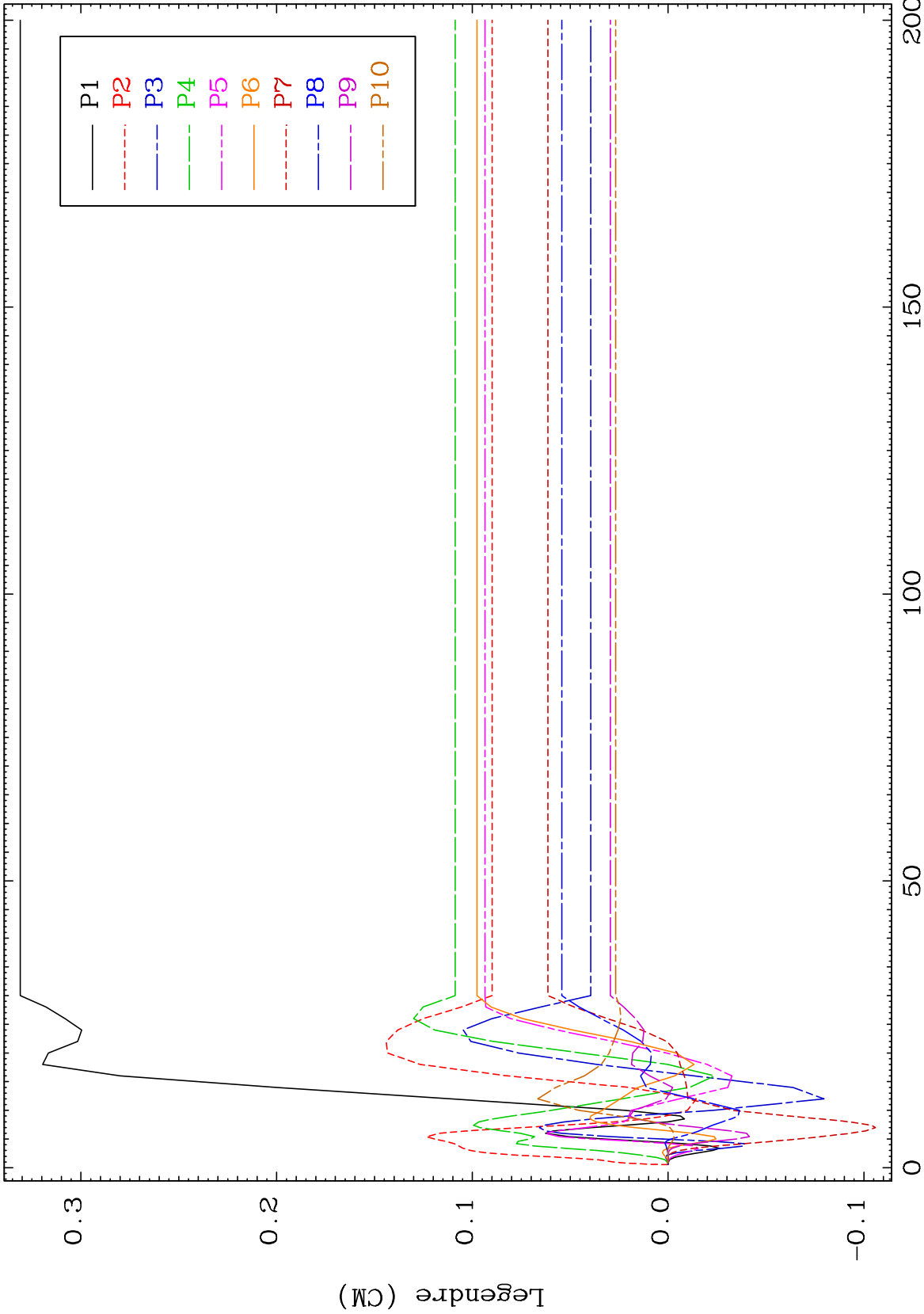


83-Bi-214

MAT 8340

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

83-Bi-214

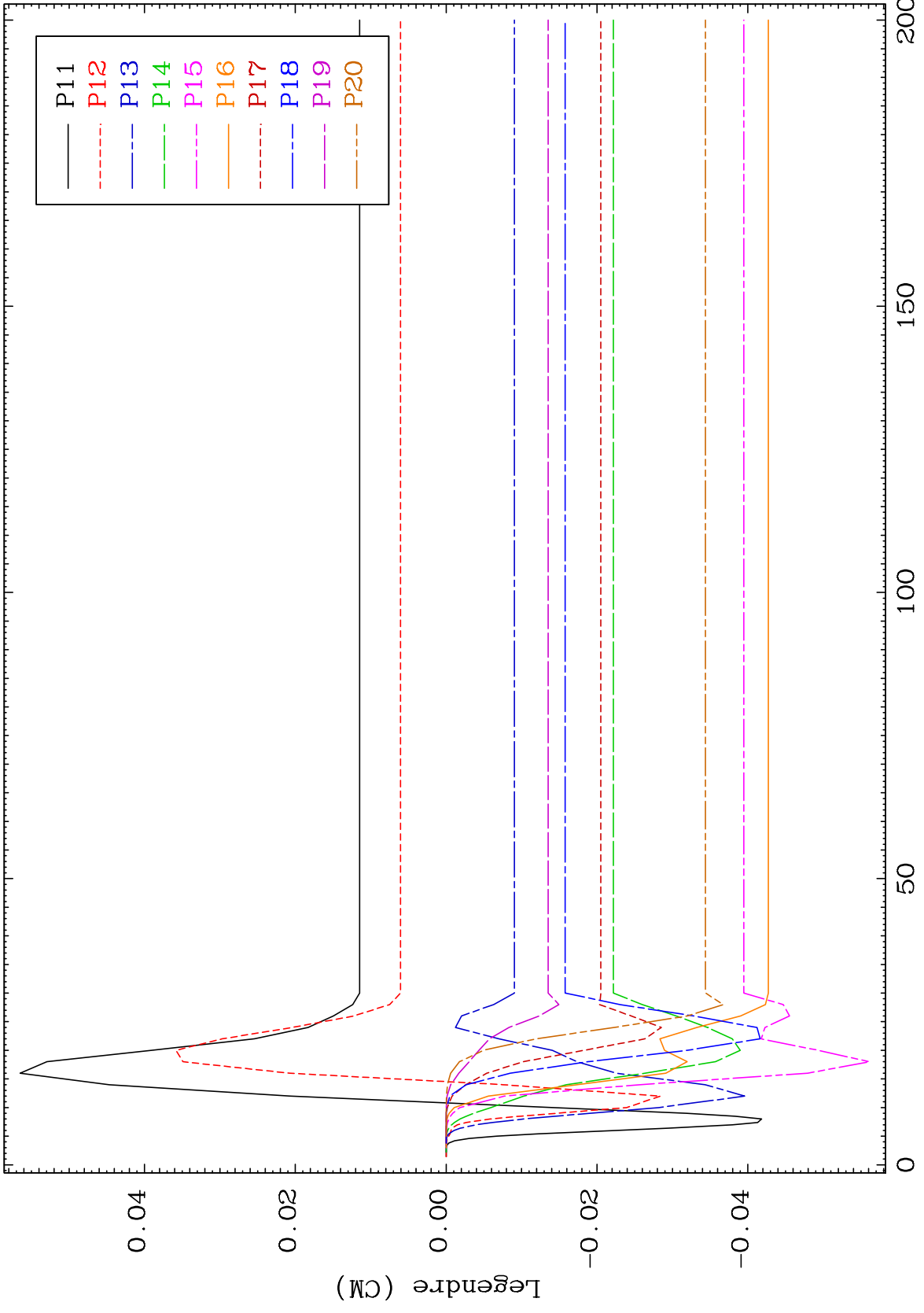


44

Incident Energy (MeV)

83-Bi-214

MAT 8340 MT= 58 (n,n') Level Legendre Coefficients 83-Bi-214

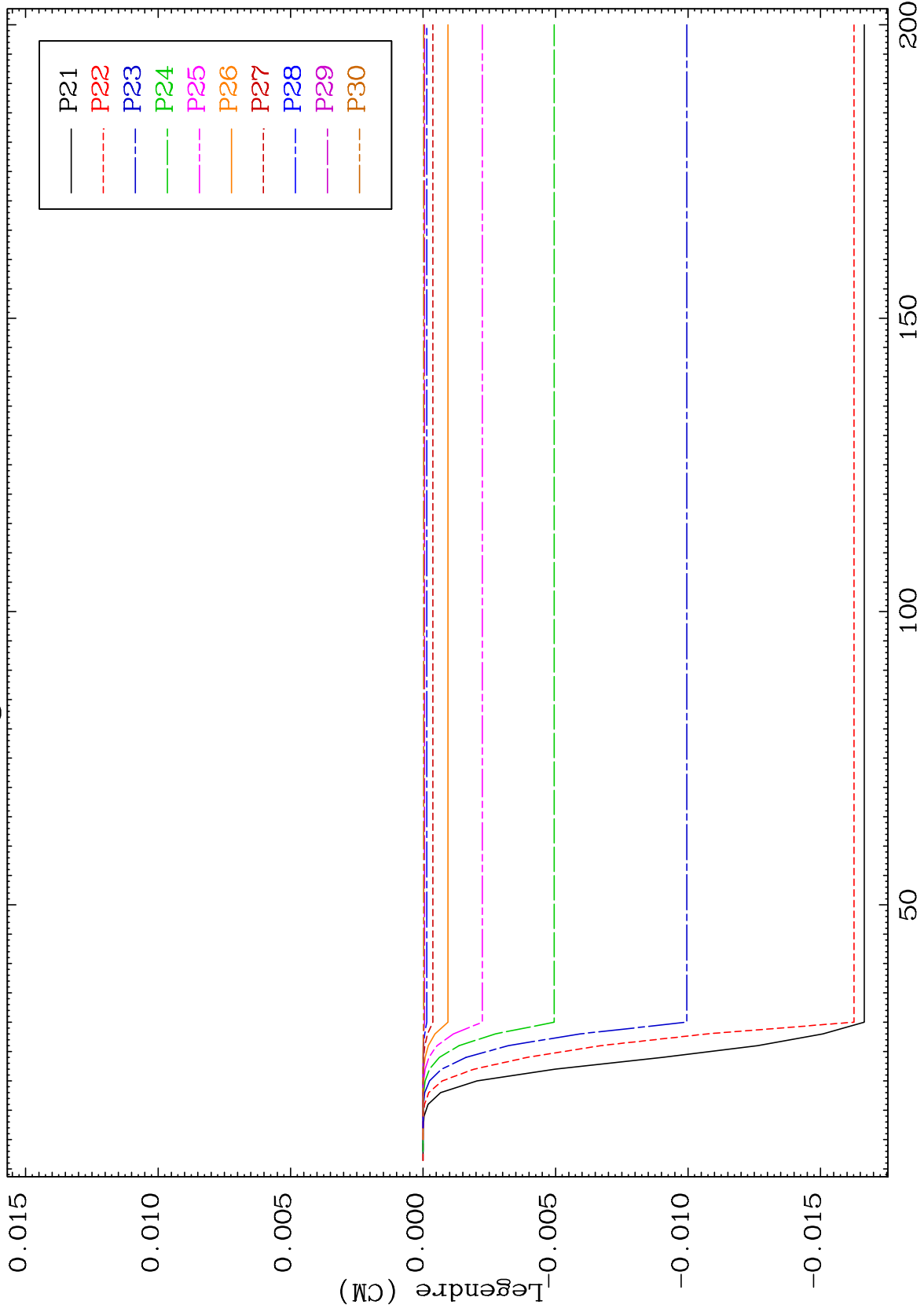


83-Bi-214

MAT 8340

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

83-Bi-214



46

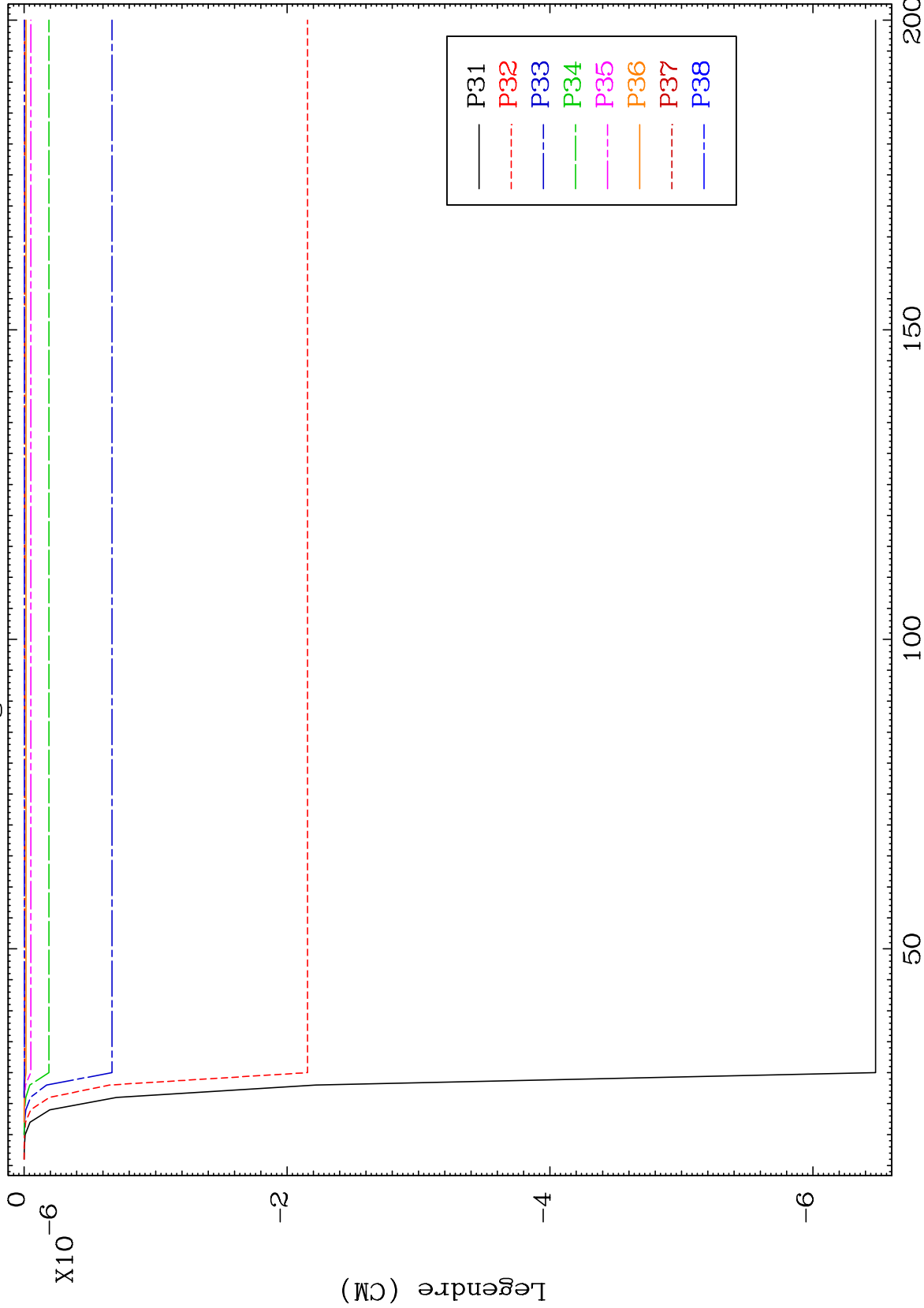
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



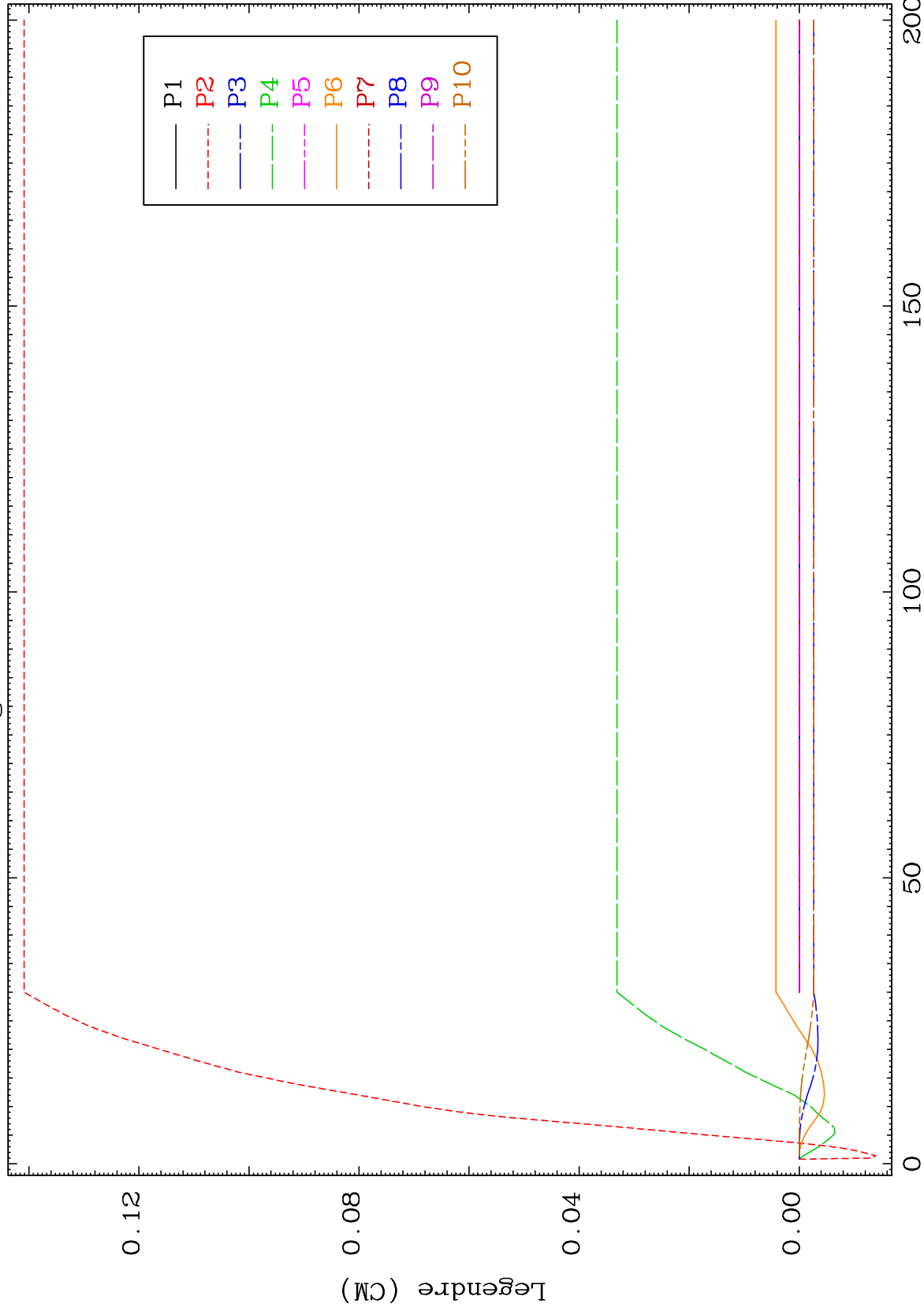
47

83-Bi-214

MAT 8340

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

83-Bi-214



48

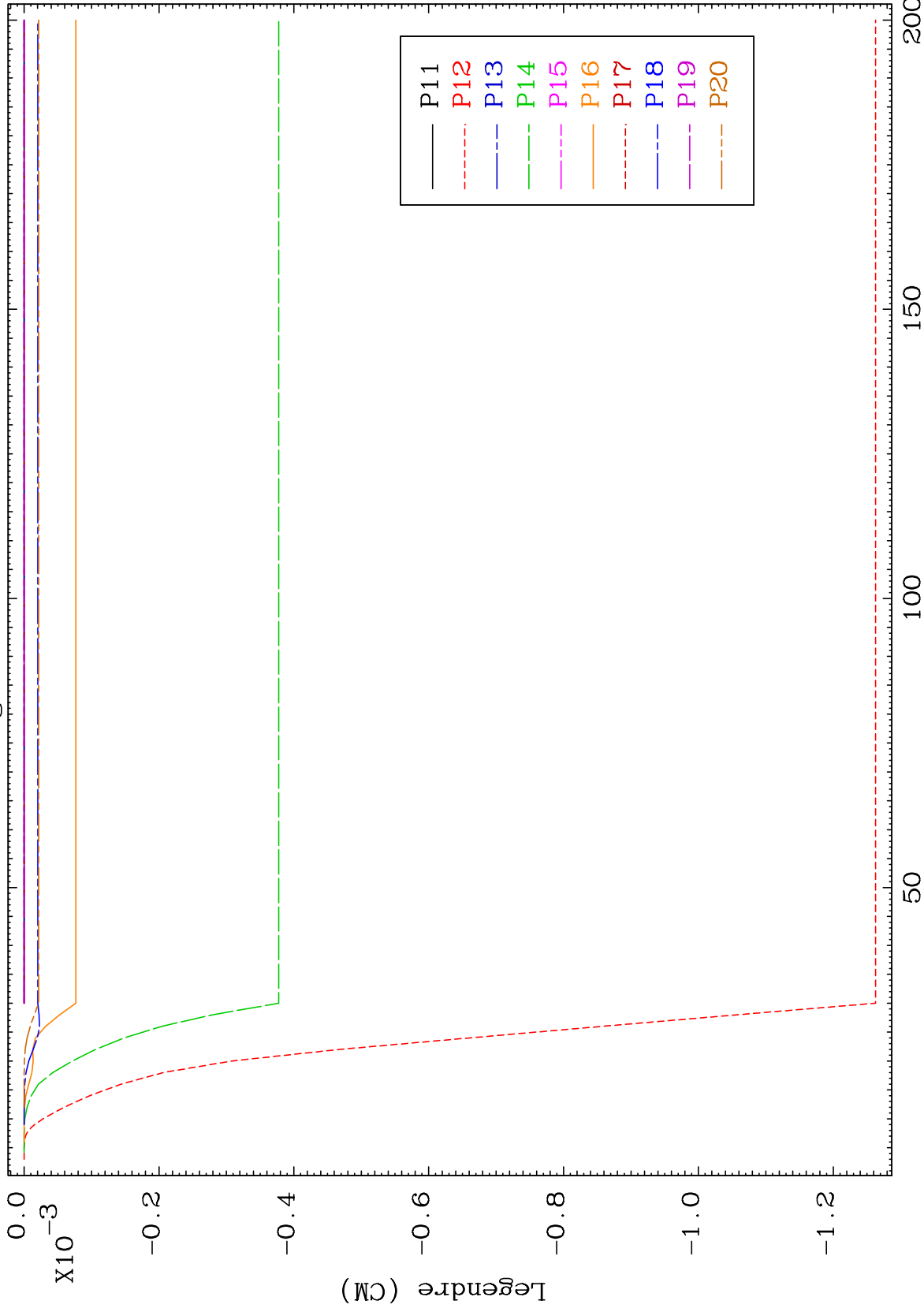
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



49

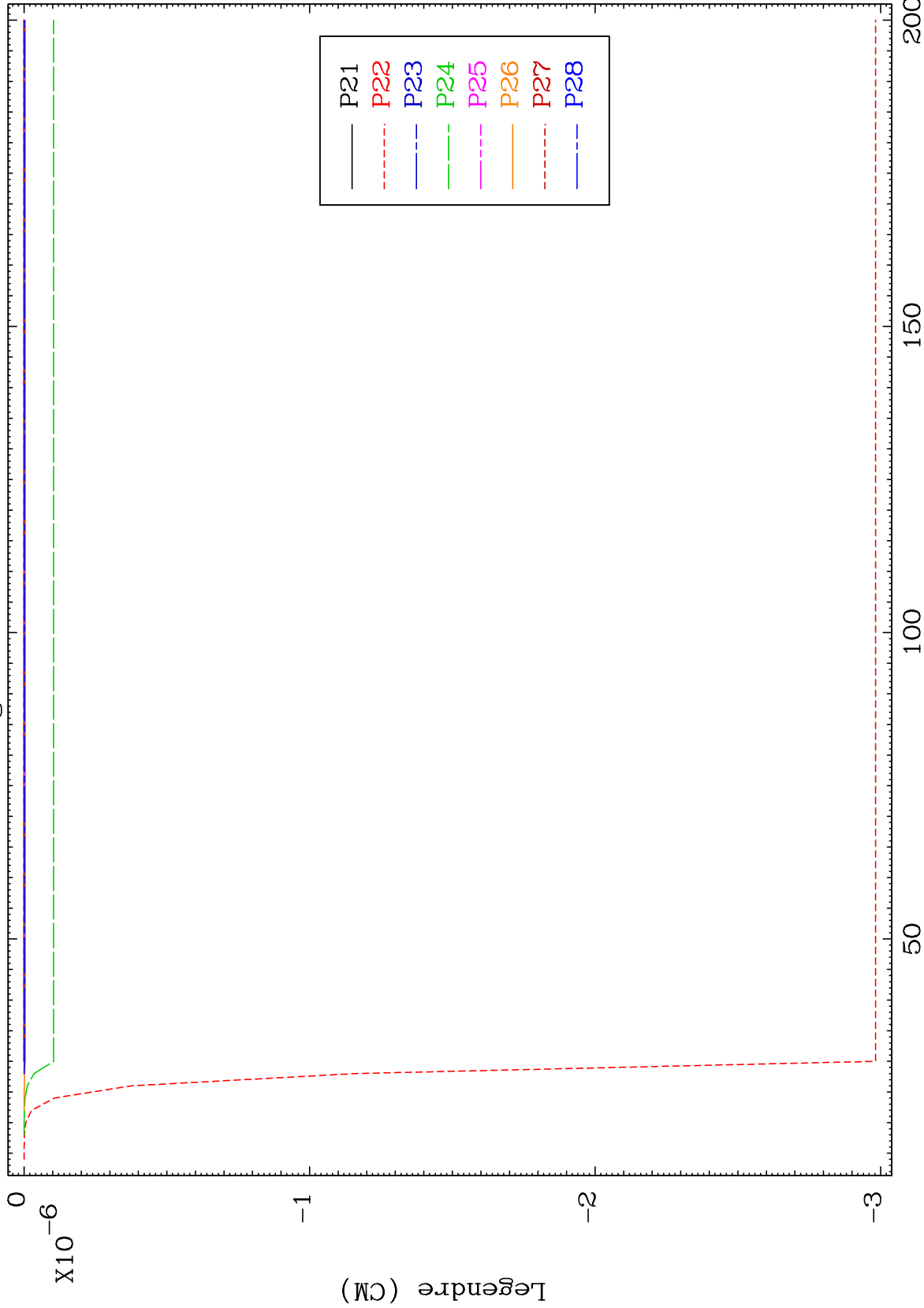
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



50

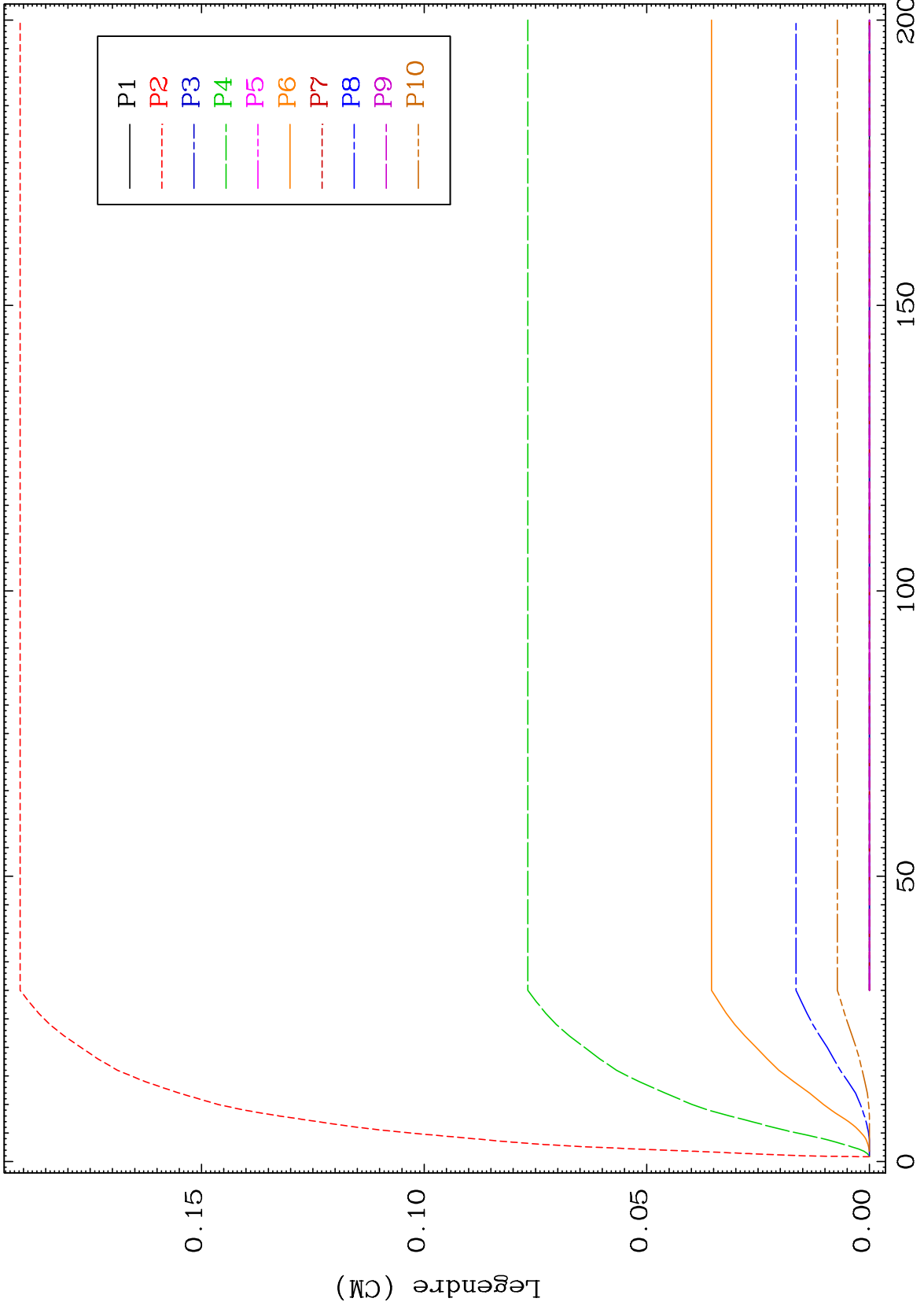
100

150

200

83-Bi-214

MAT 8340 MT= 60 (n,n') Level Legendre Coefficients 83-Bi-214

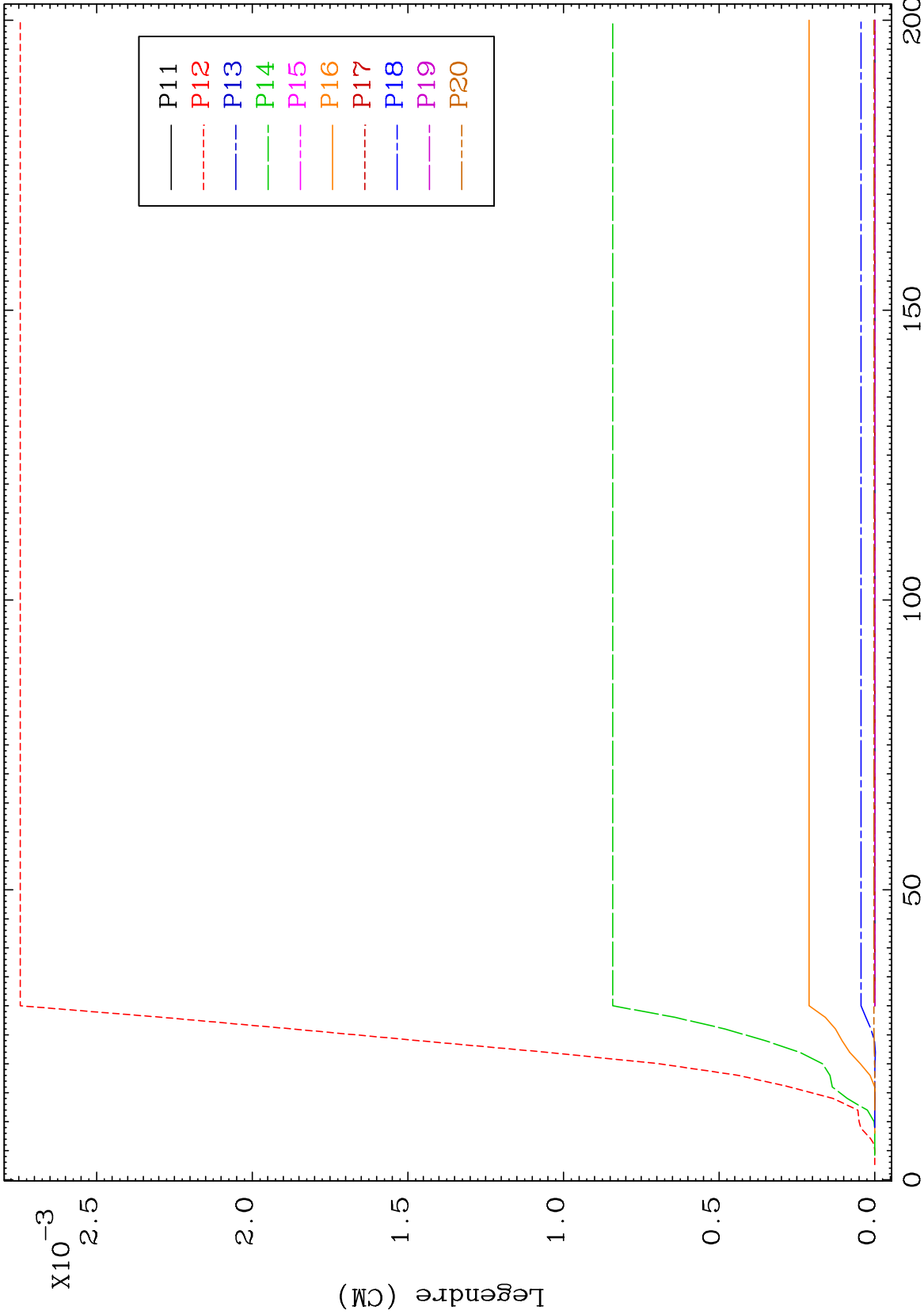


51 83-Bi-214

MAT 8340

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

83-Bi-214



52

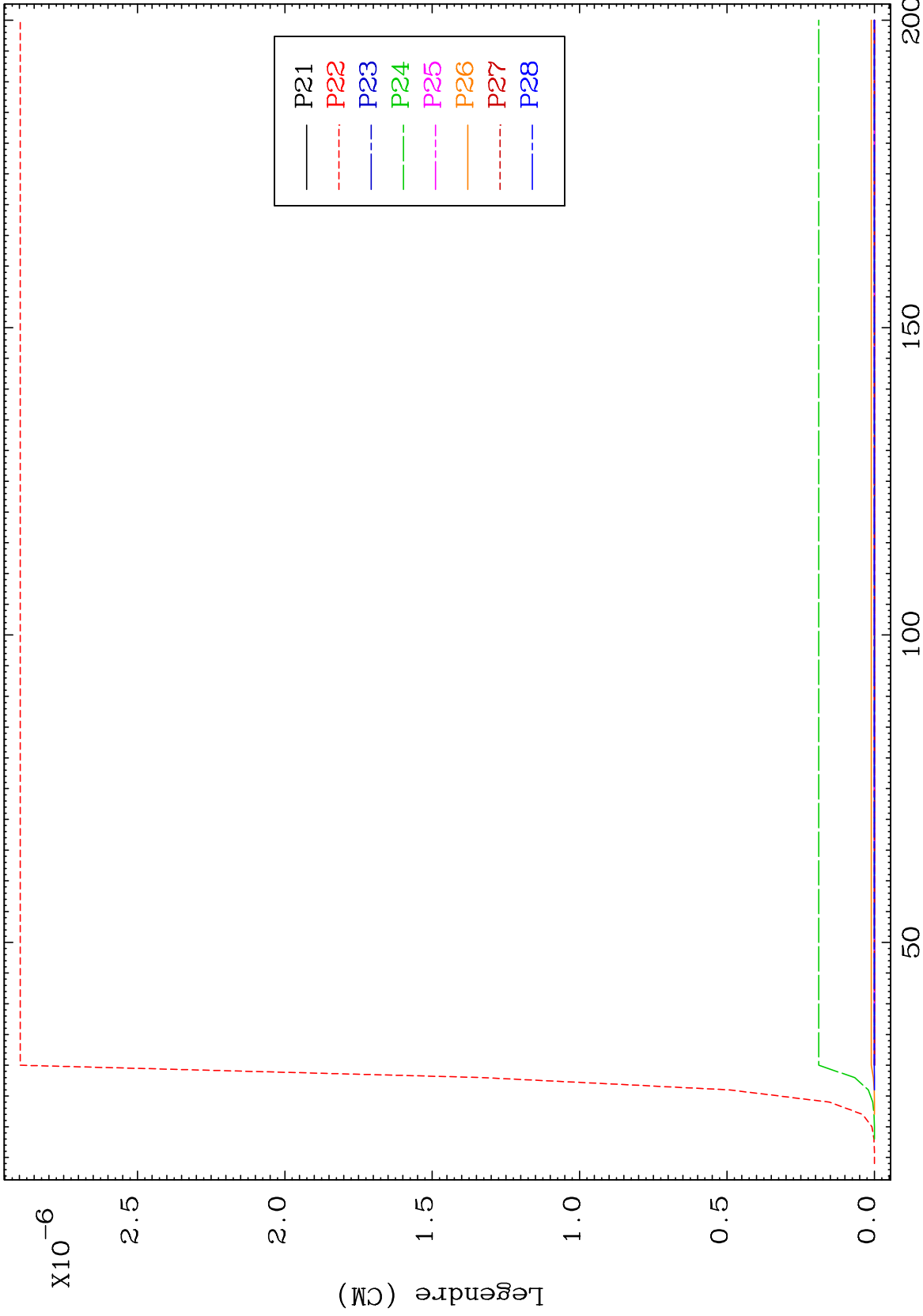
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



53

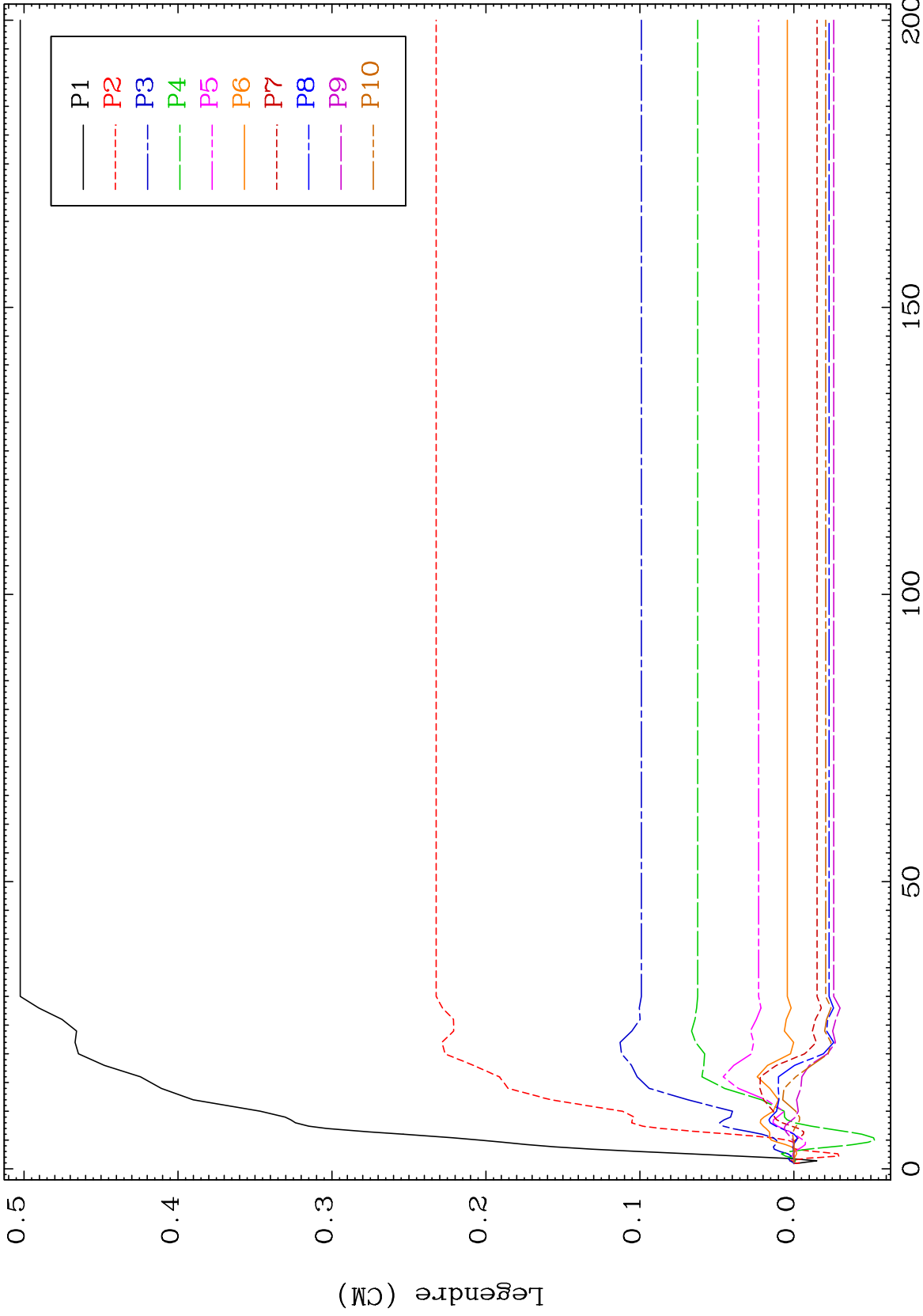
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



83-Bi-214

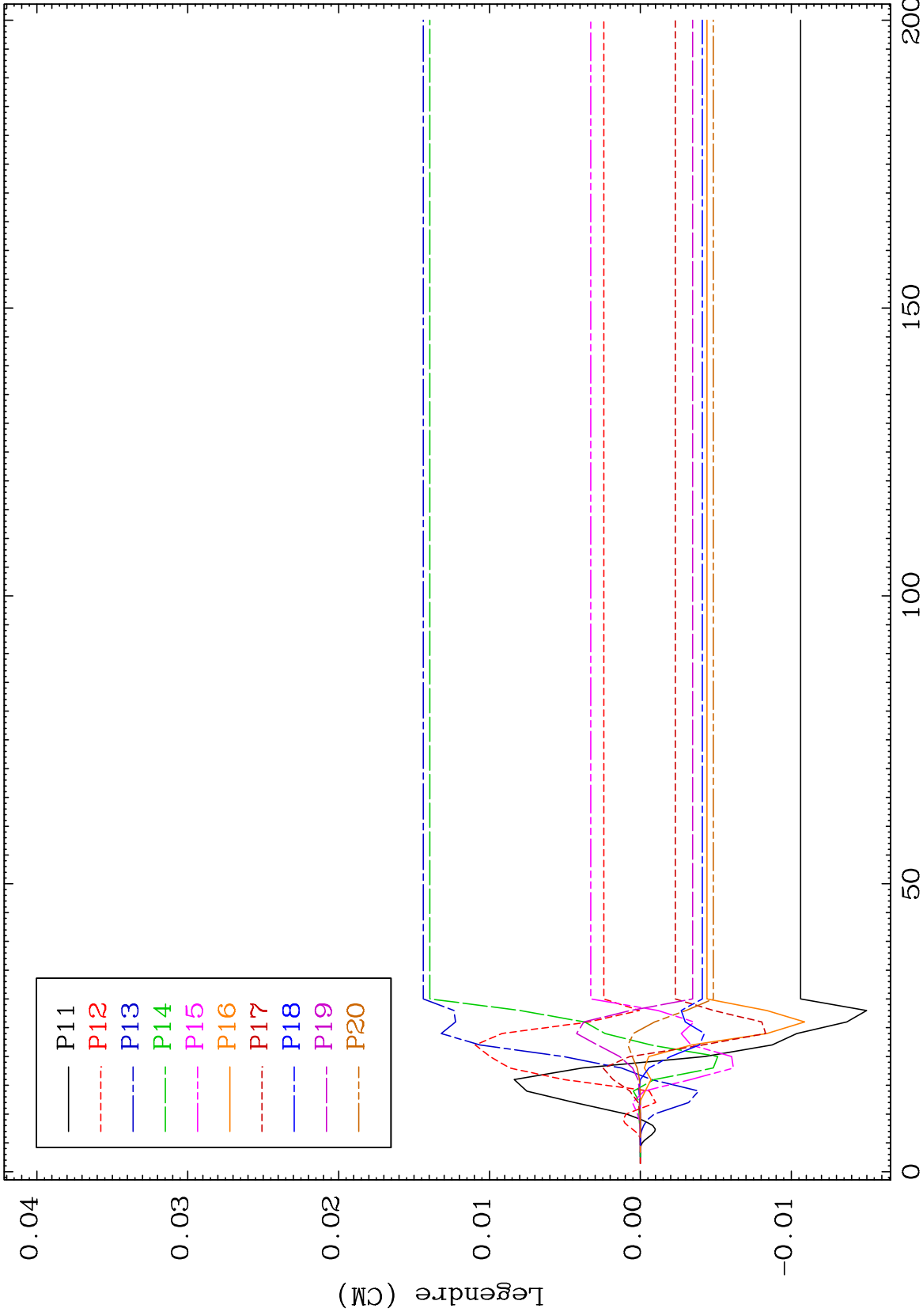
Incident Energy (MeV)

54

MAT 8340

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

83-Bi-214



55

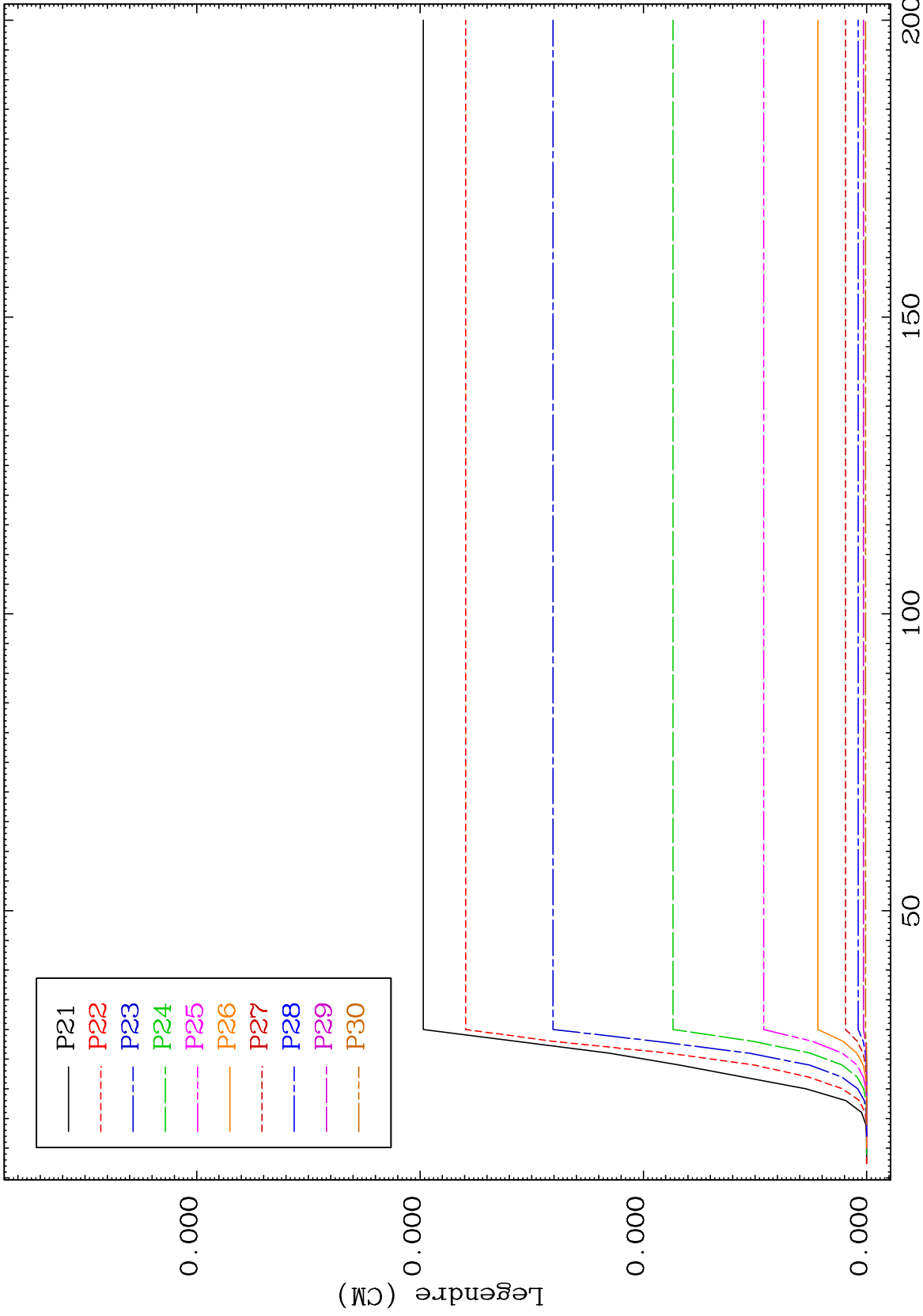
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



56

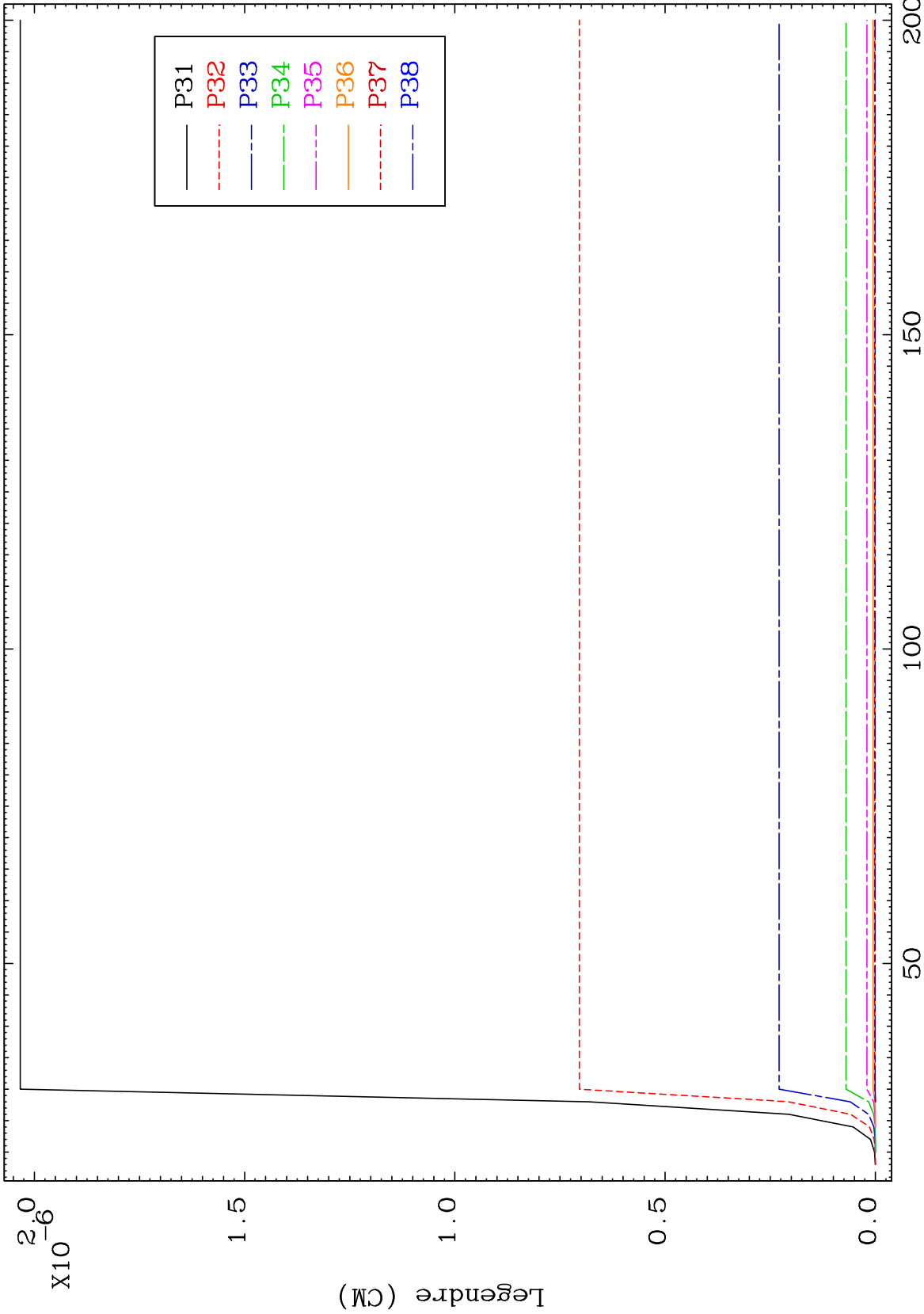
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



57

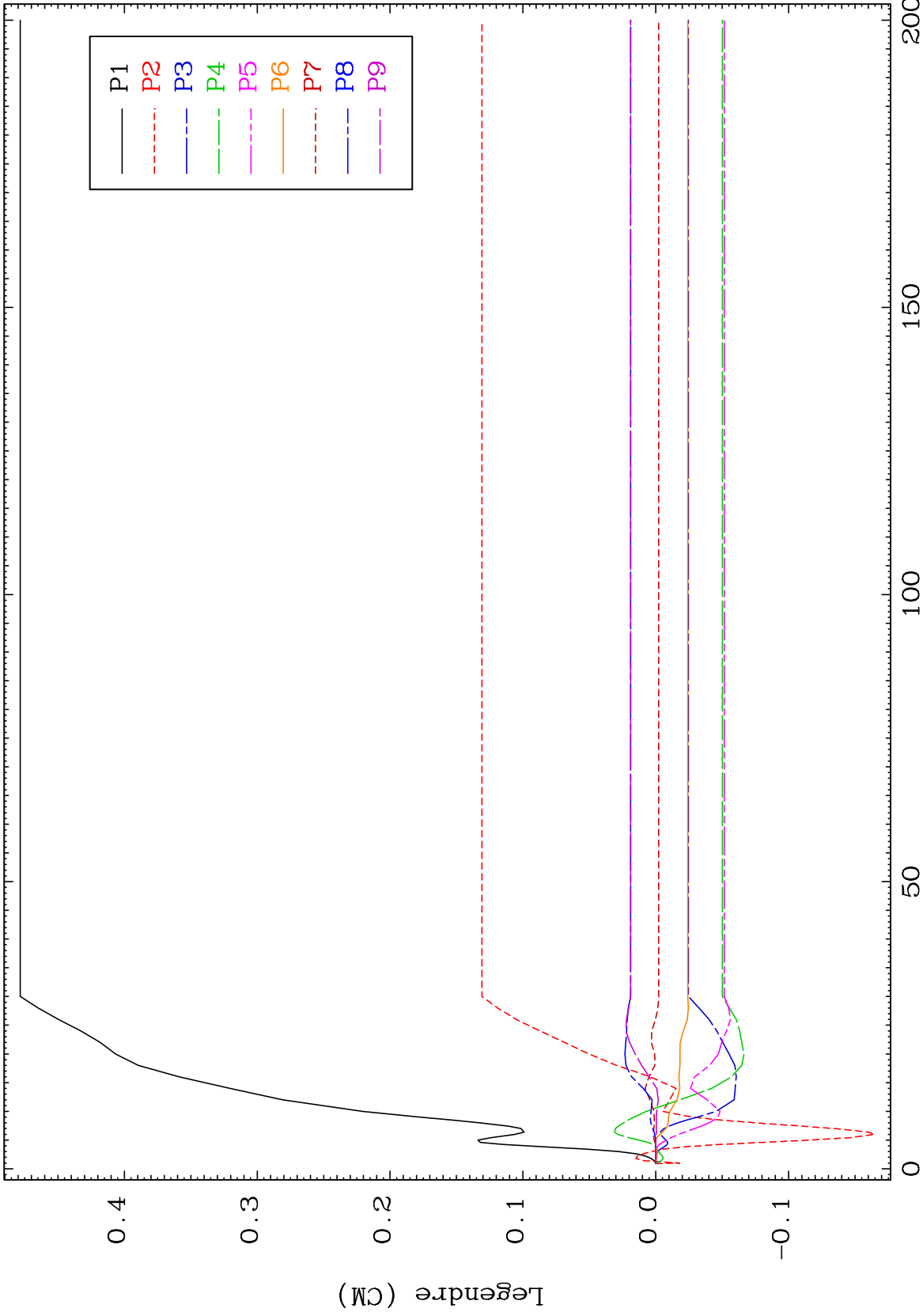
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



58

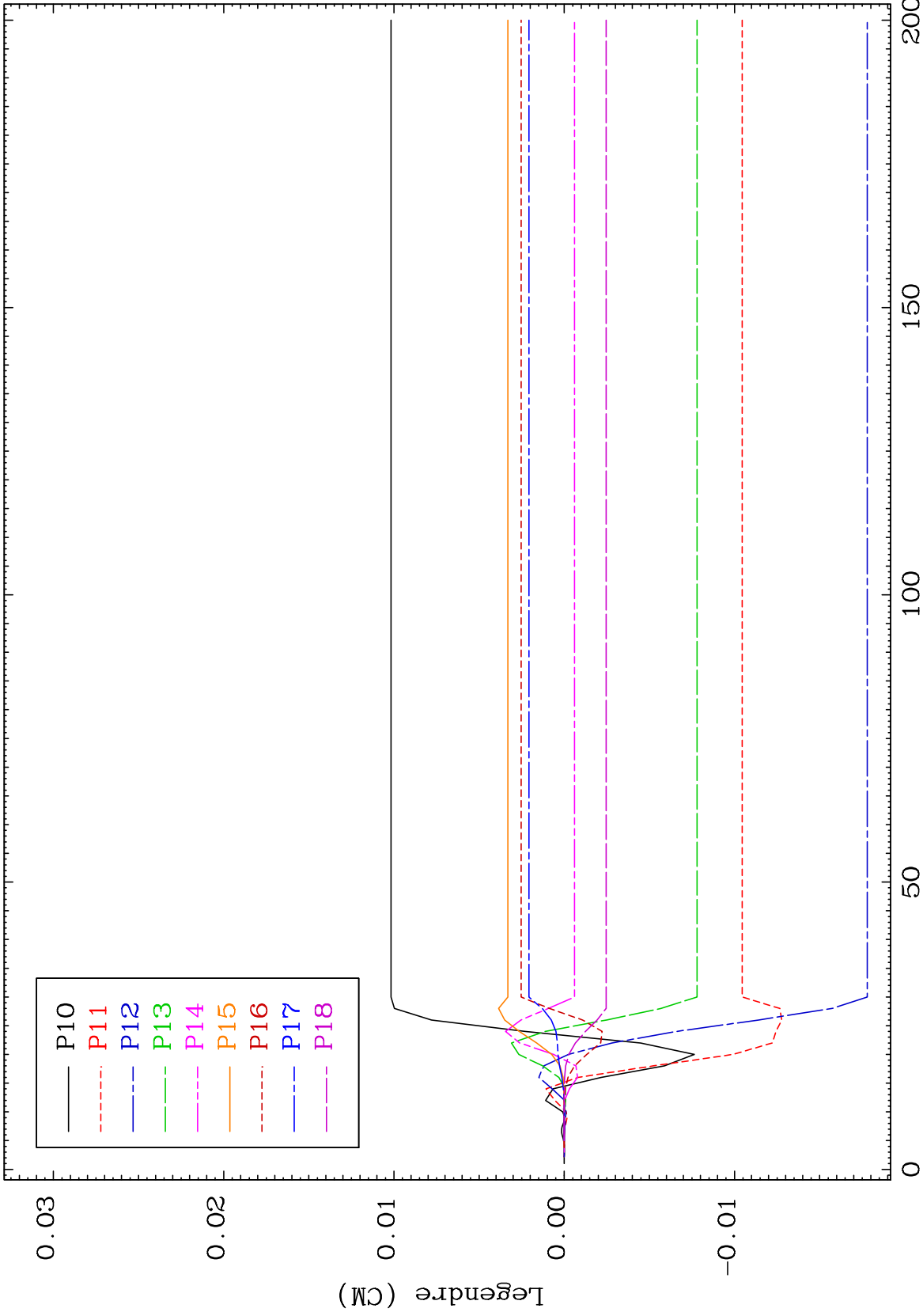
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



59

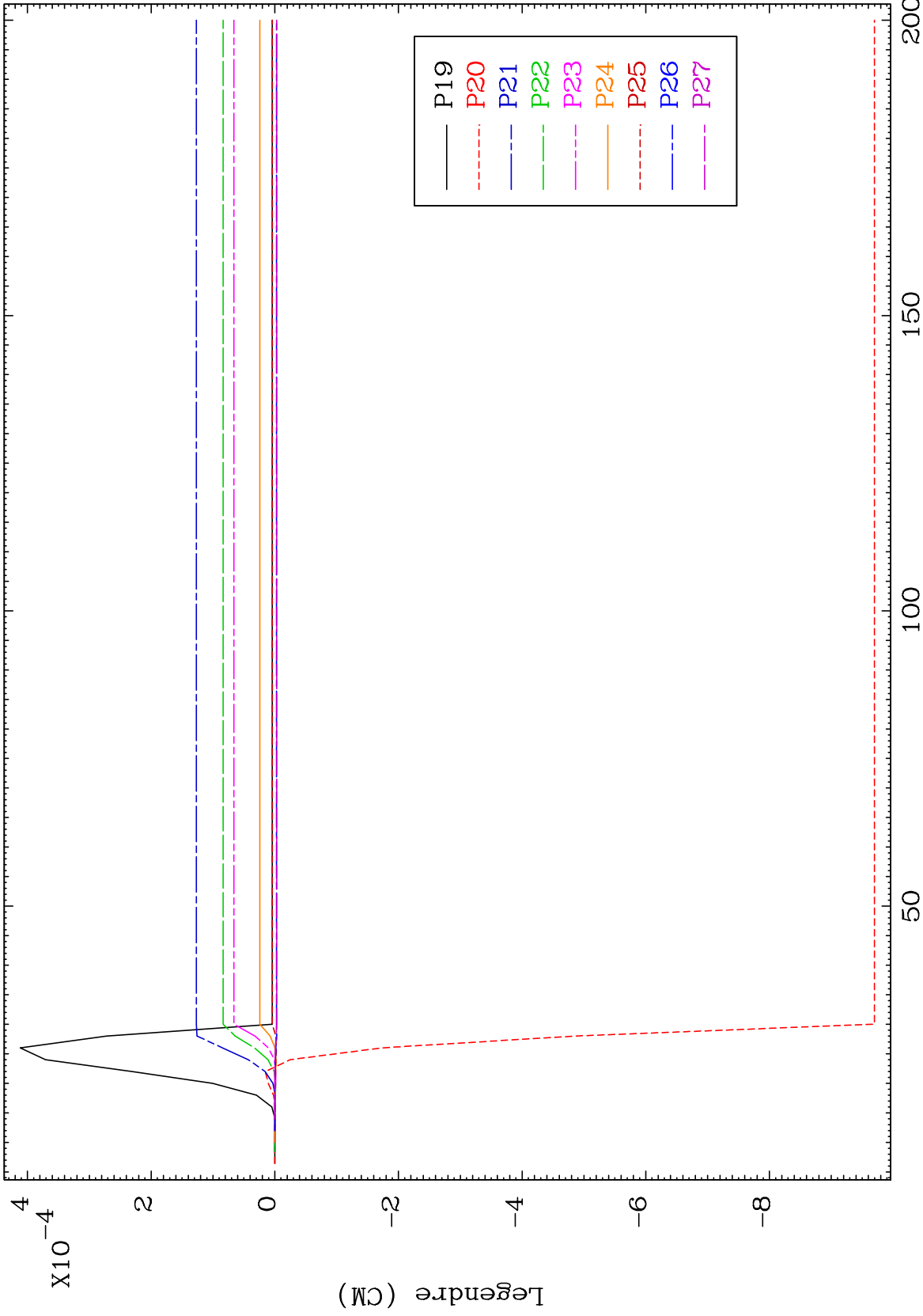
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



60

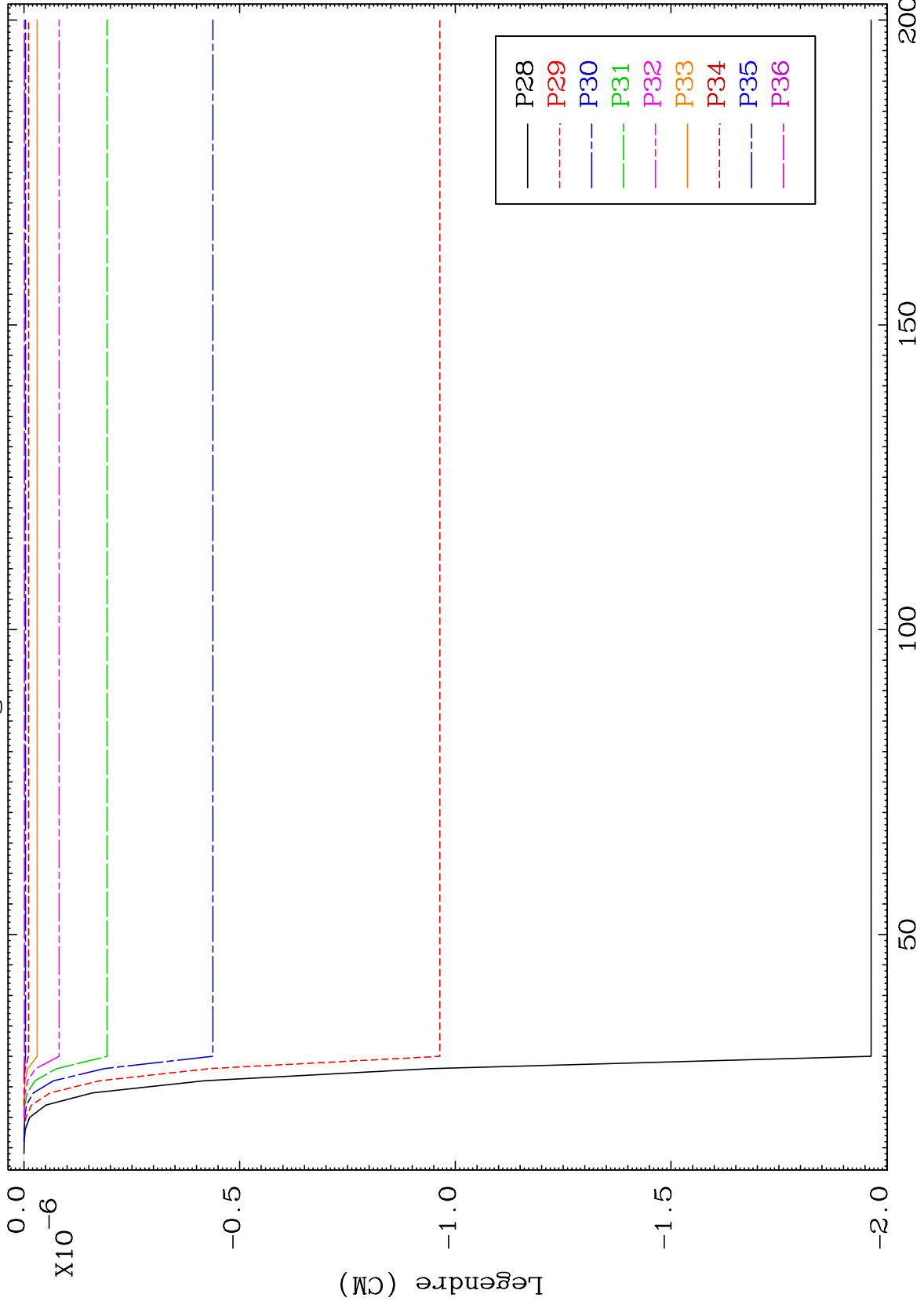
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



83-Bi-214

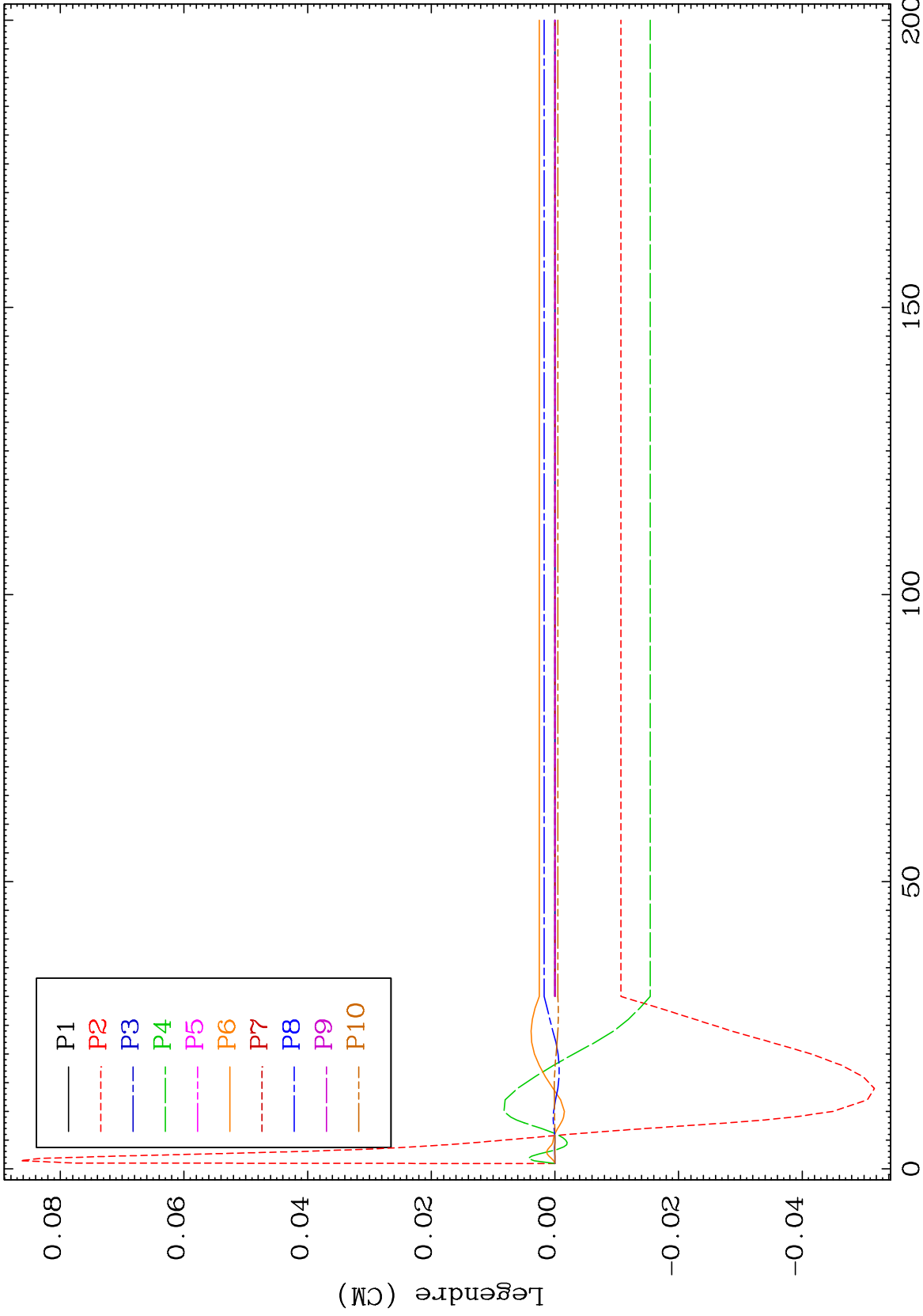
Incident Energy (MeV)

61

MAT 8340

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

83-Bi-214



62

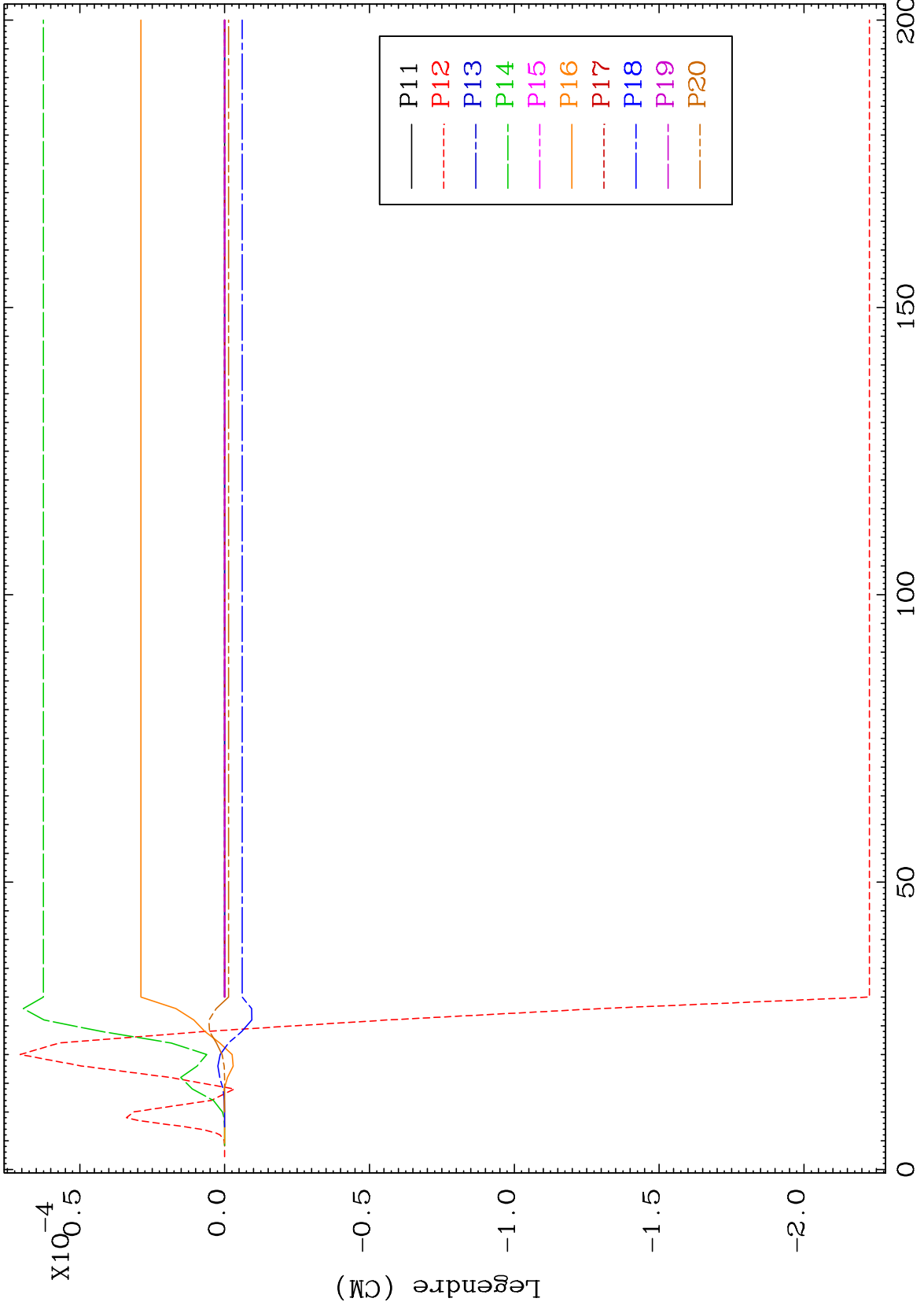
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



63

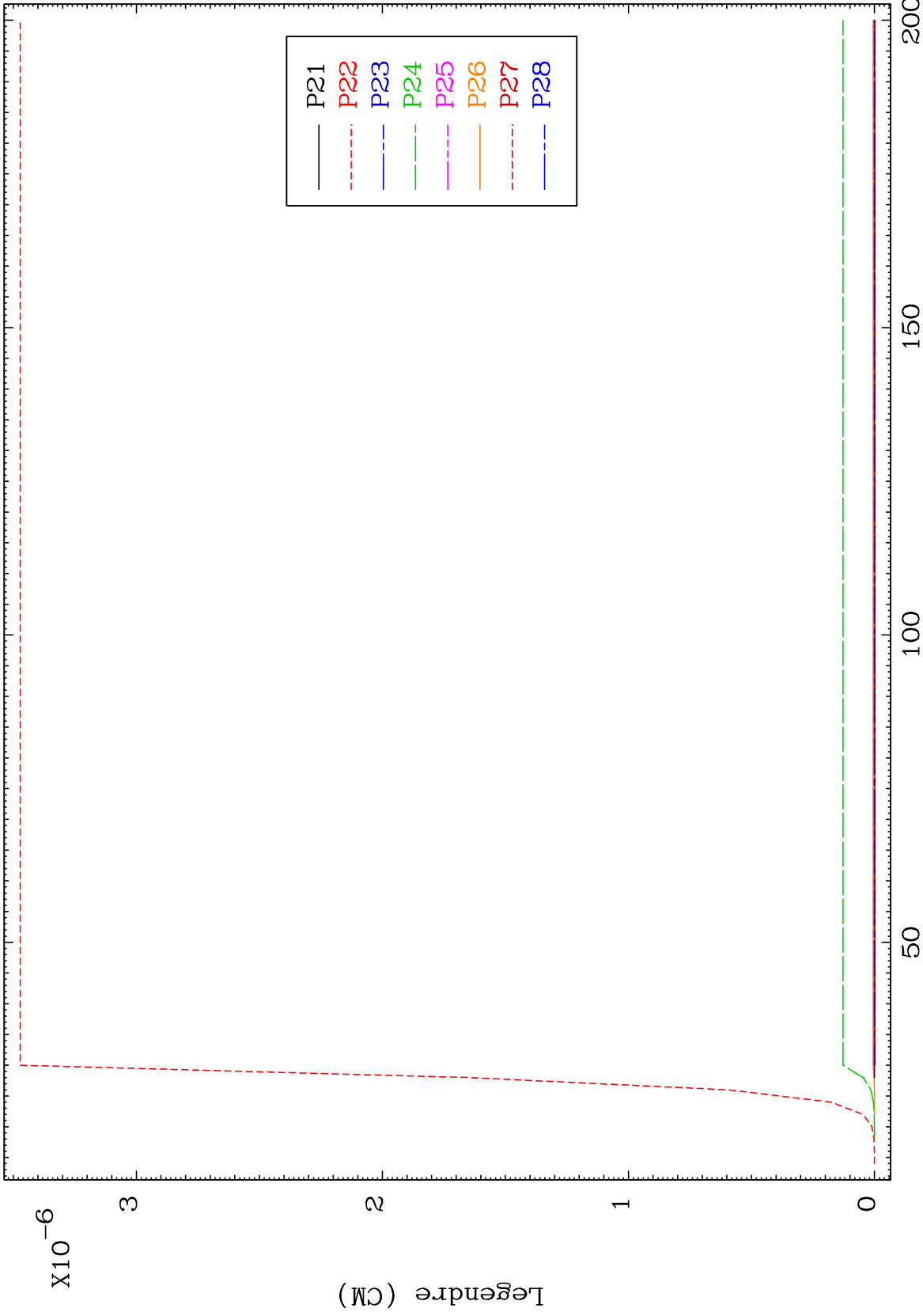
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



64

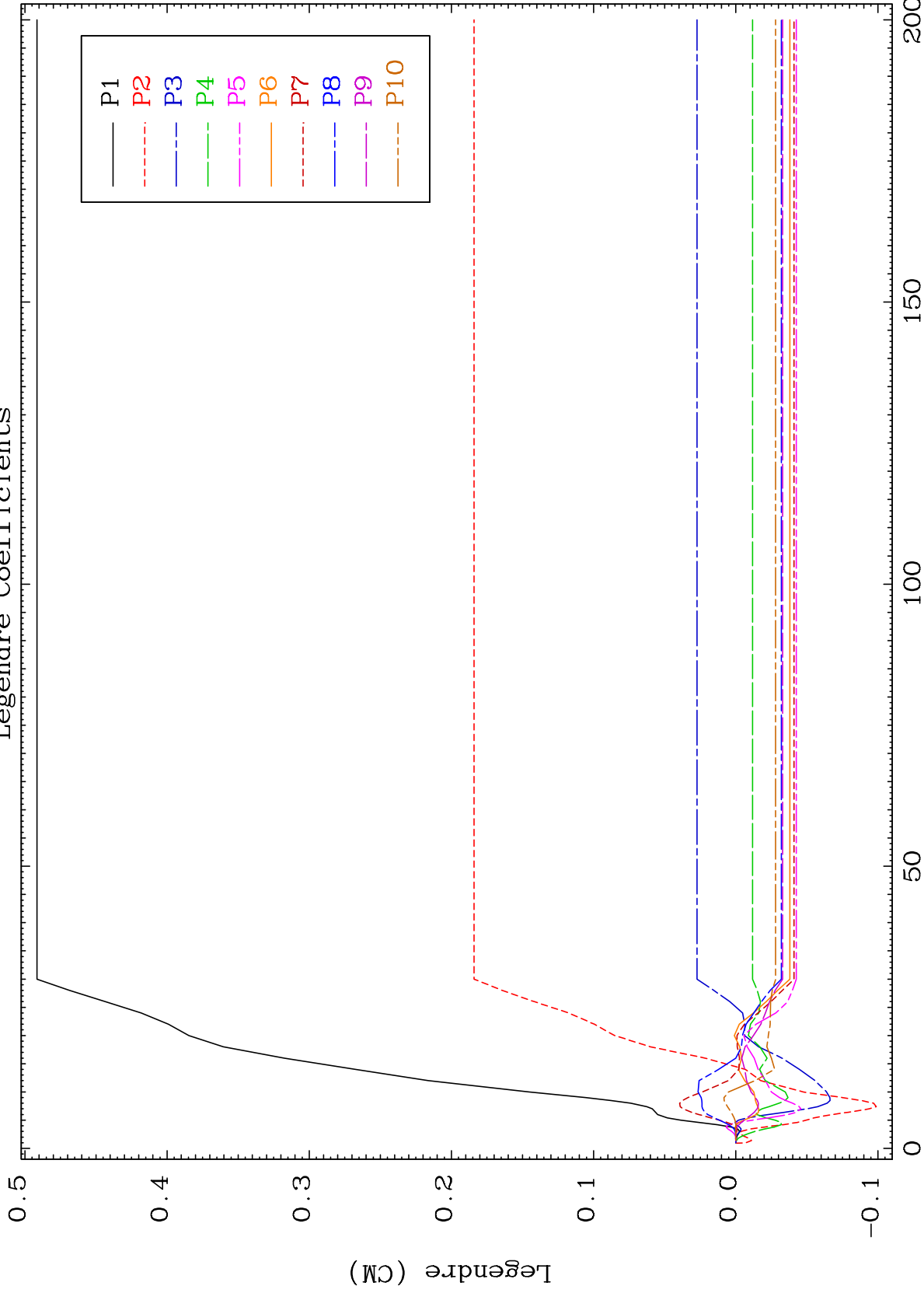
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



65

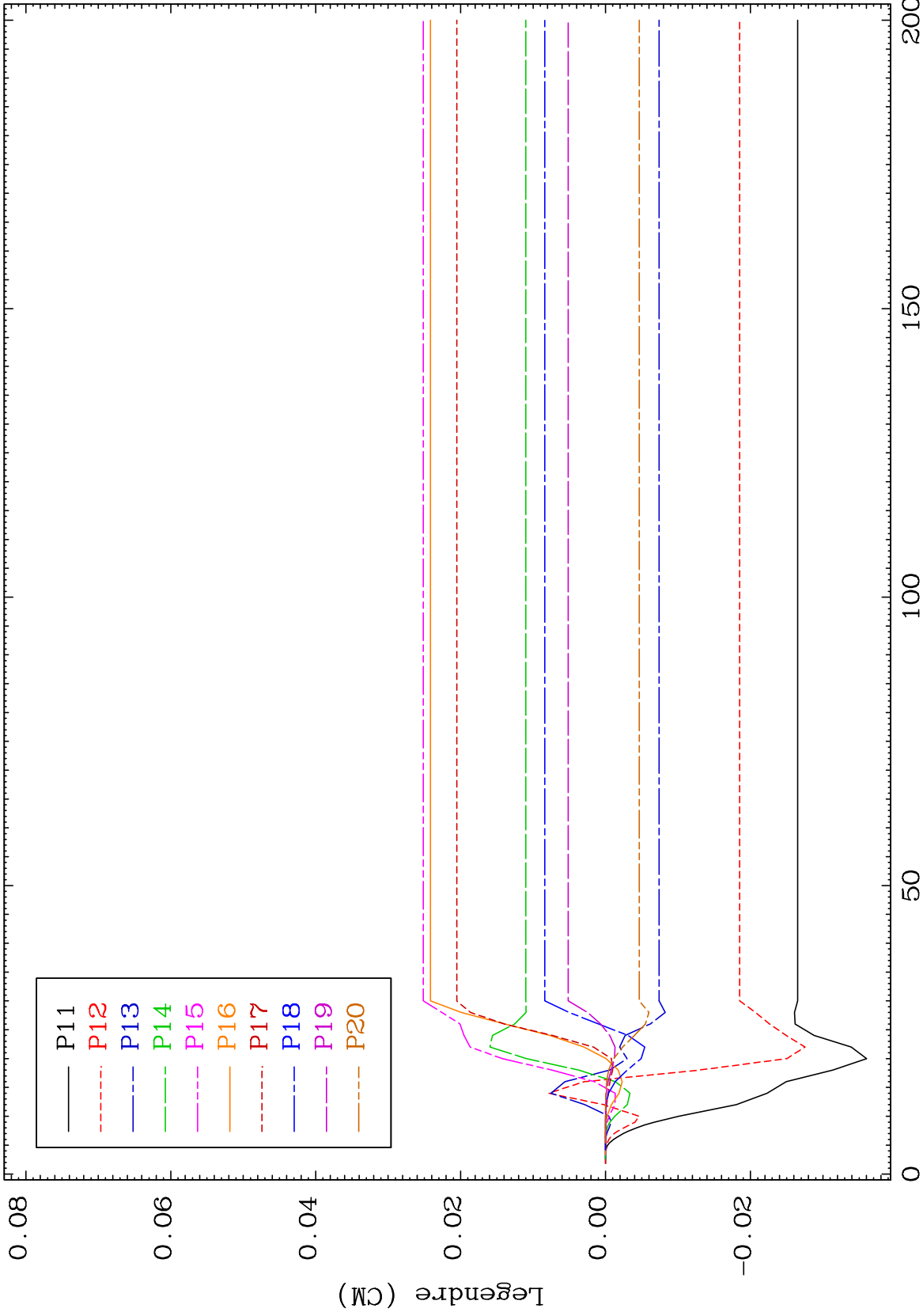
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



66

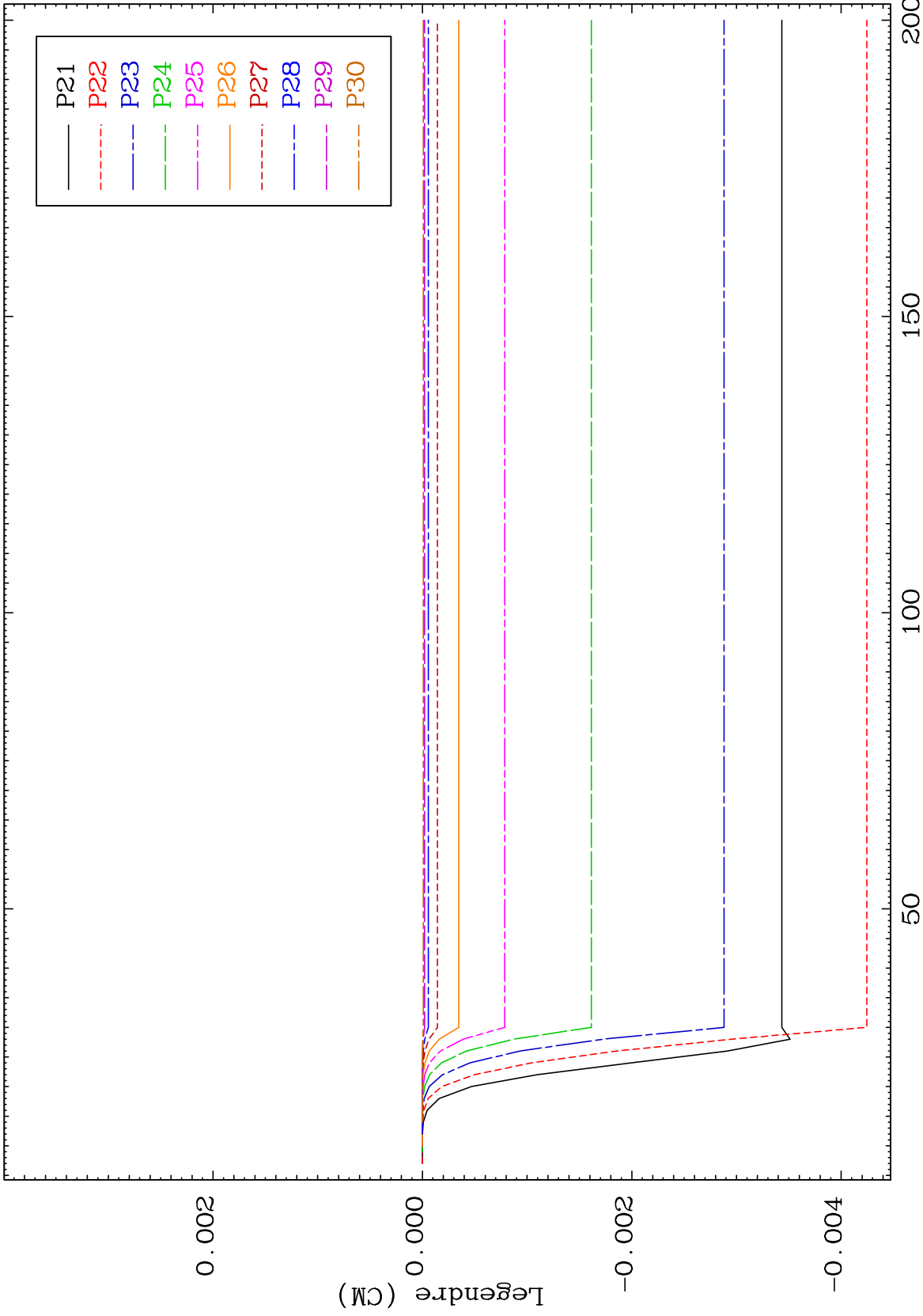
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



67

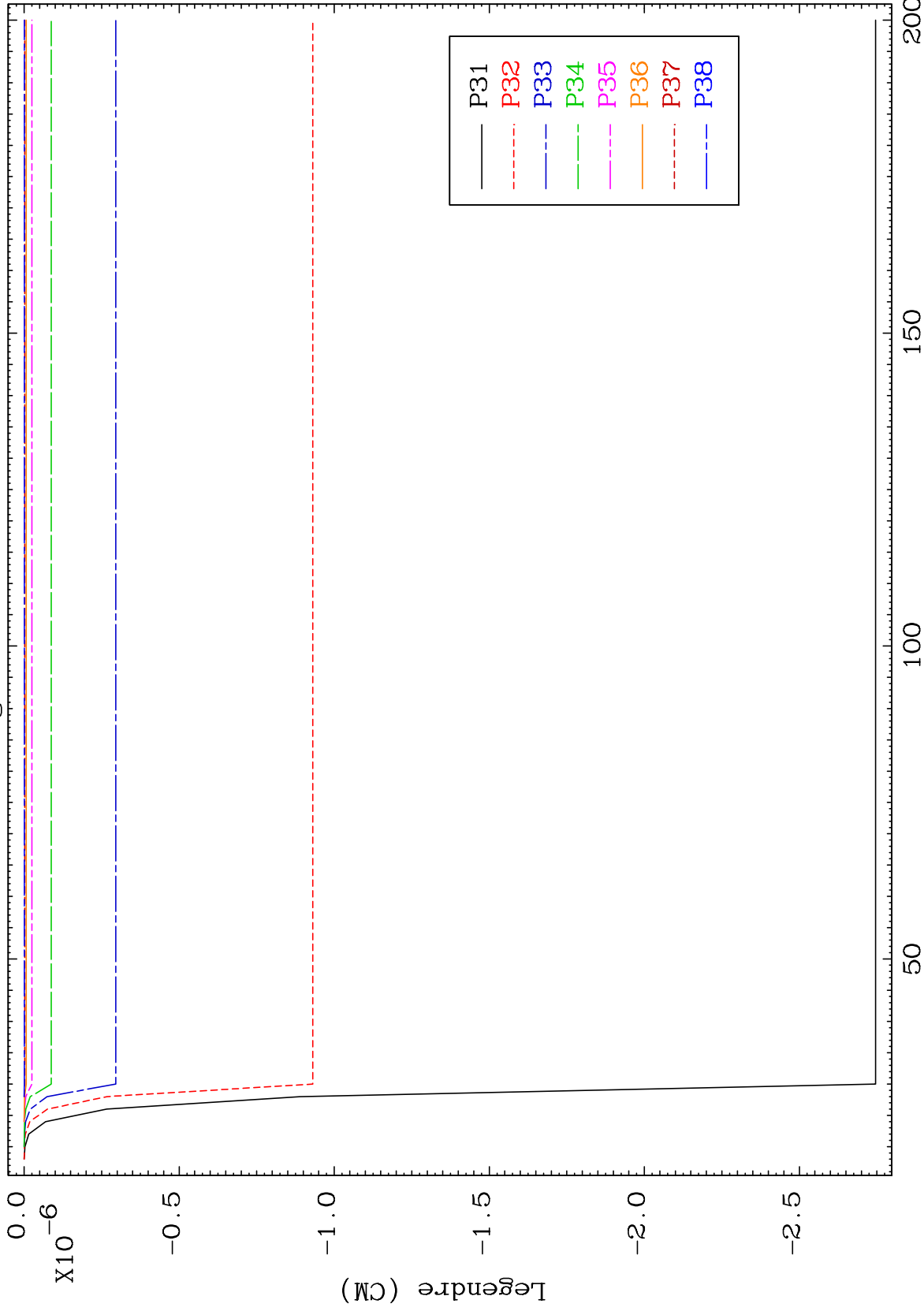
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



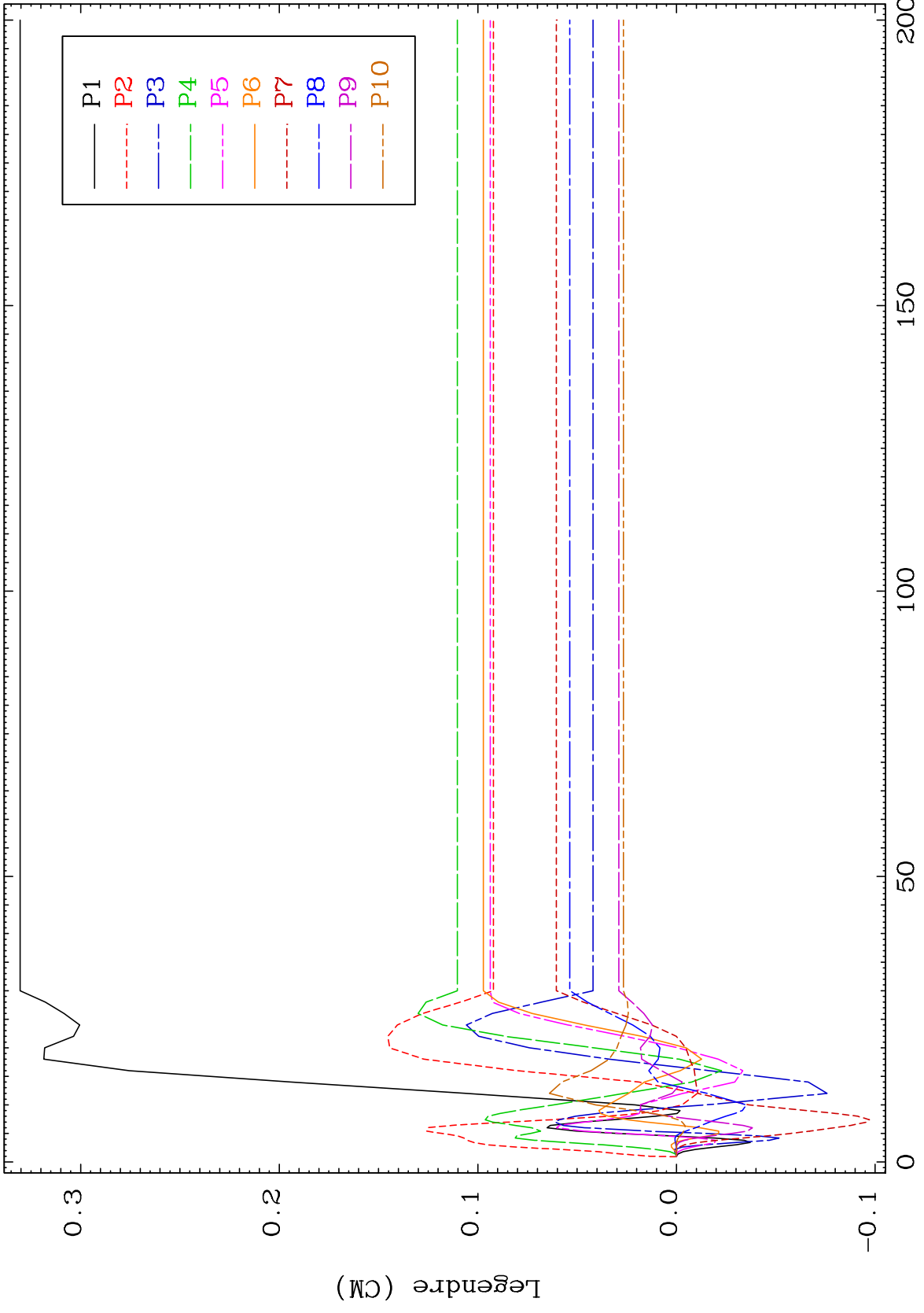
68

83-Bi-214

MAT 8340

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

83-Bi-214



69

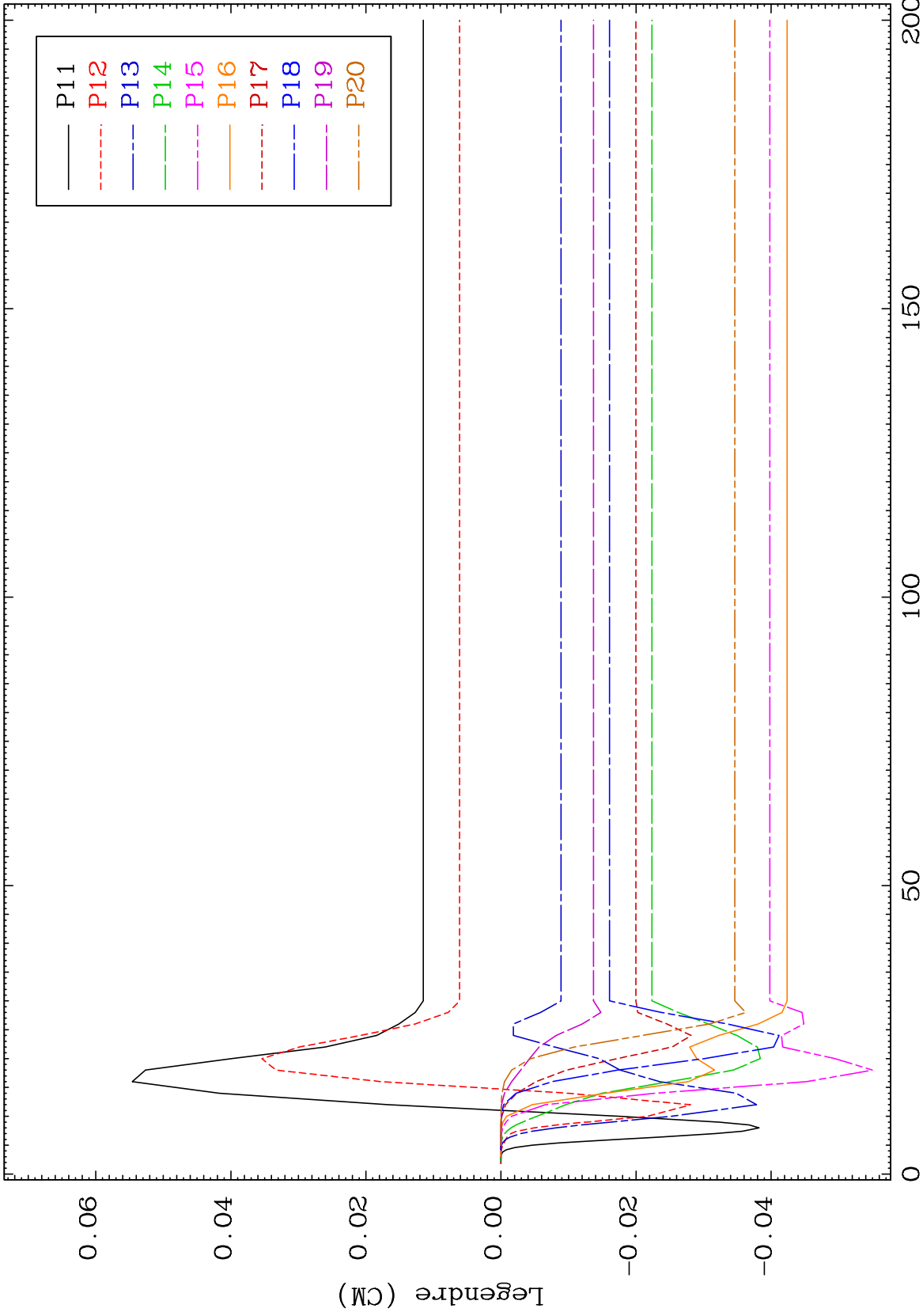
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



70

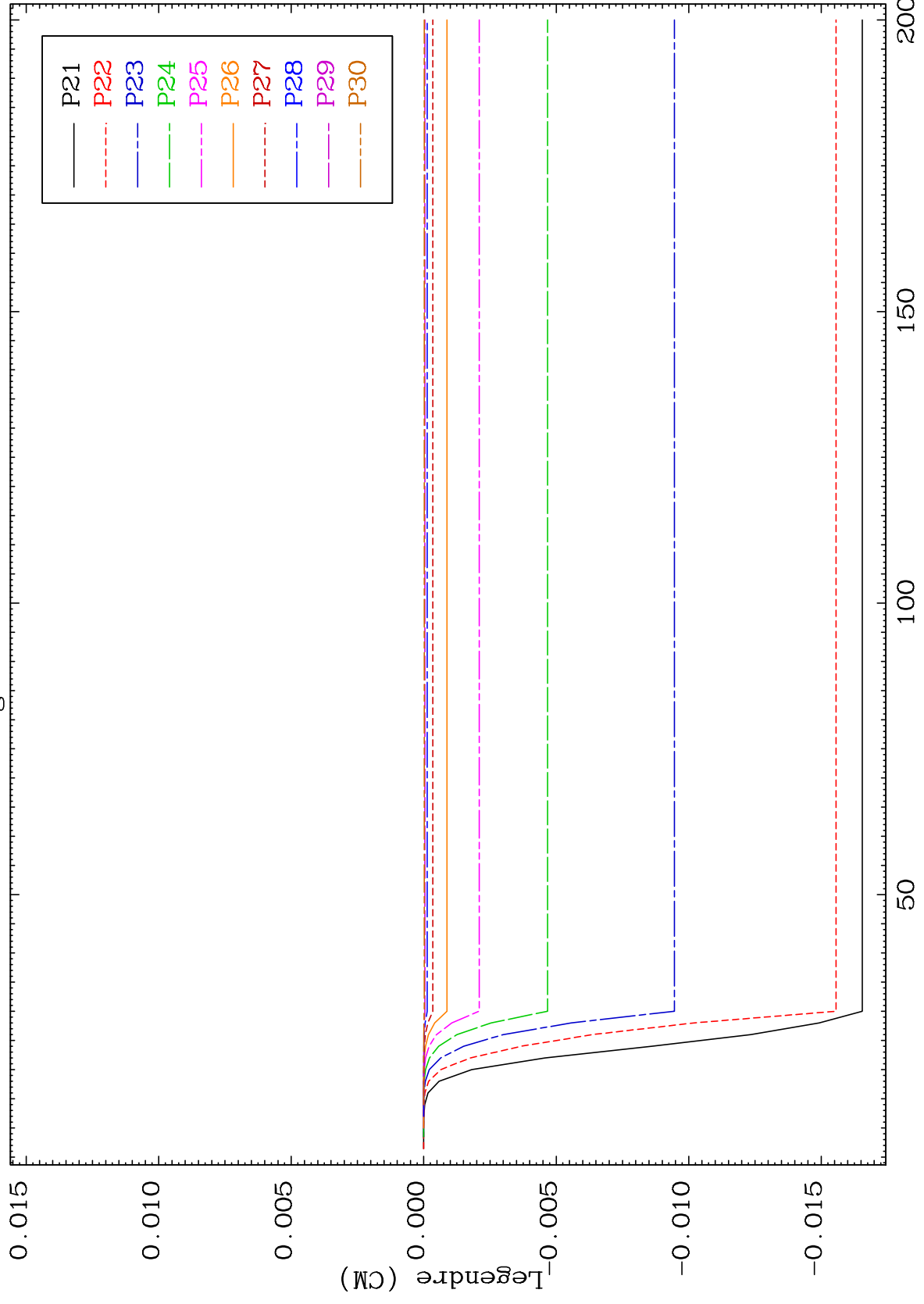
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



71

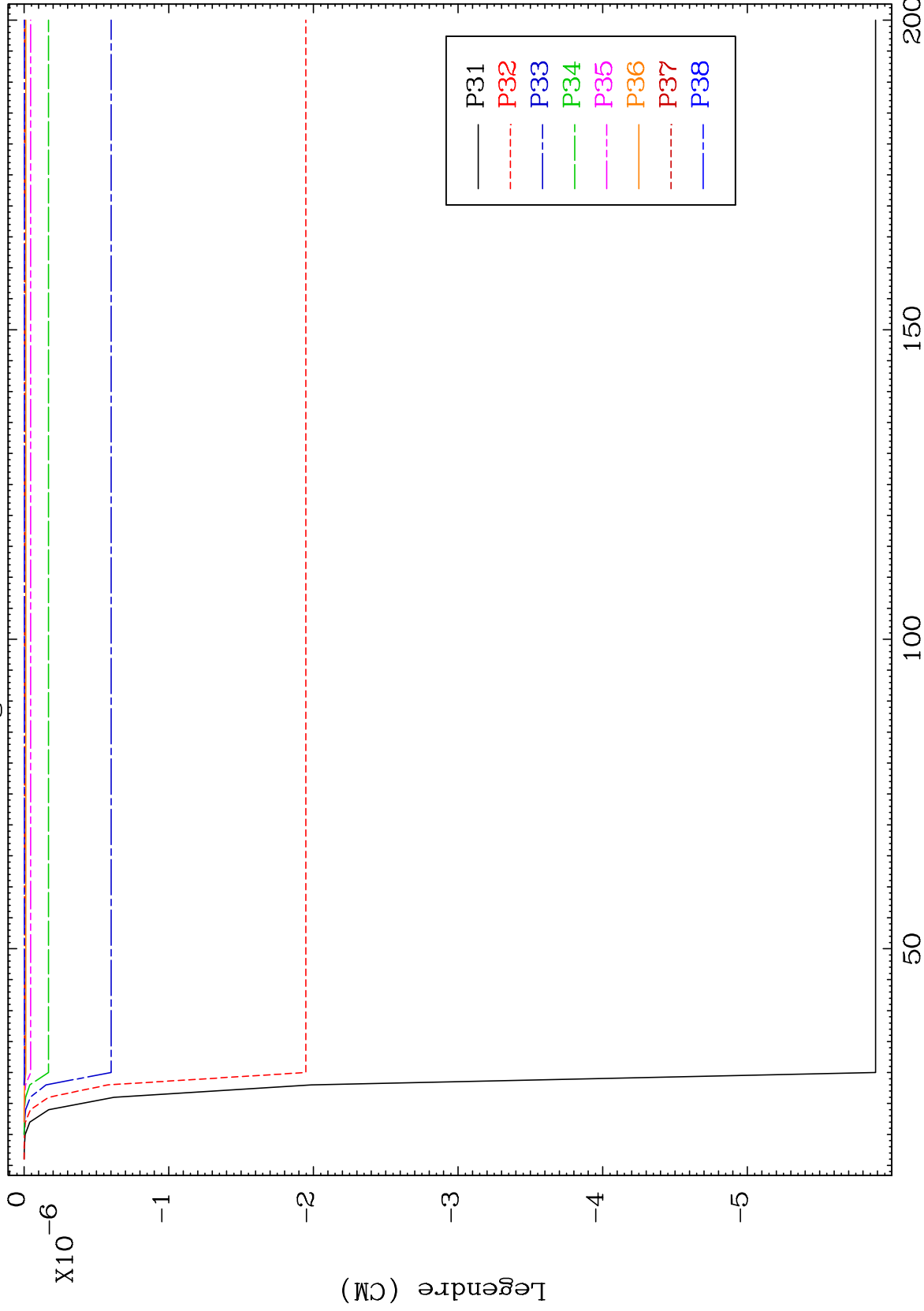
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



83-Bi-214

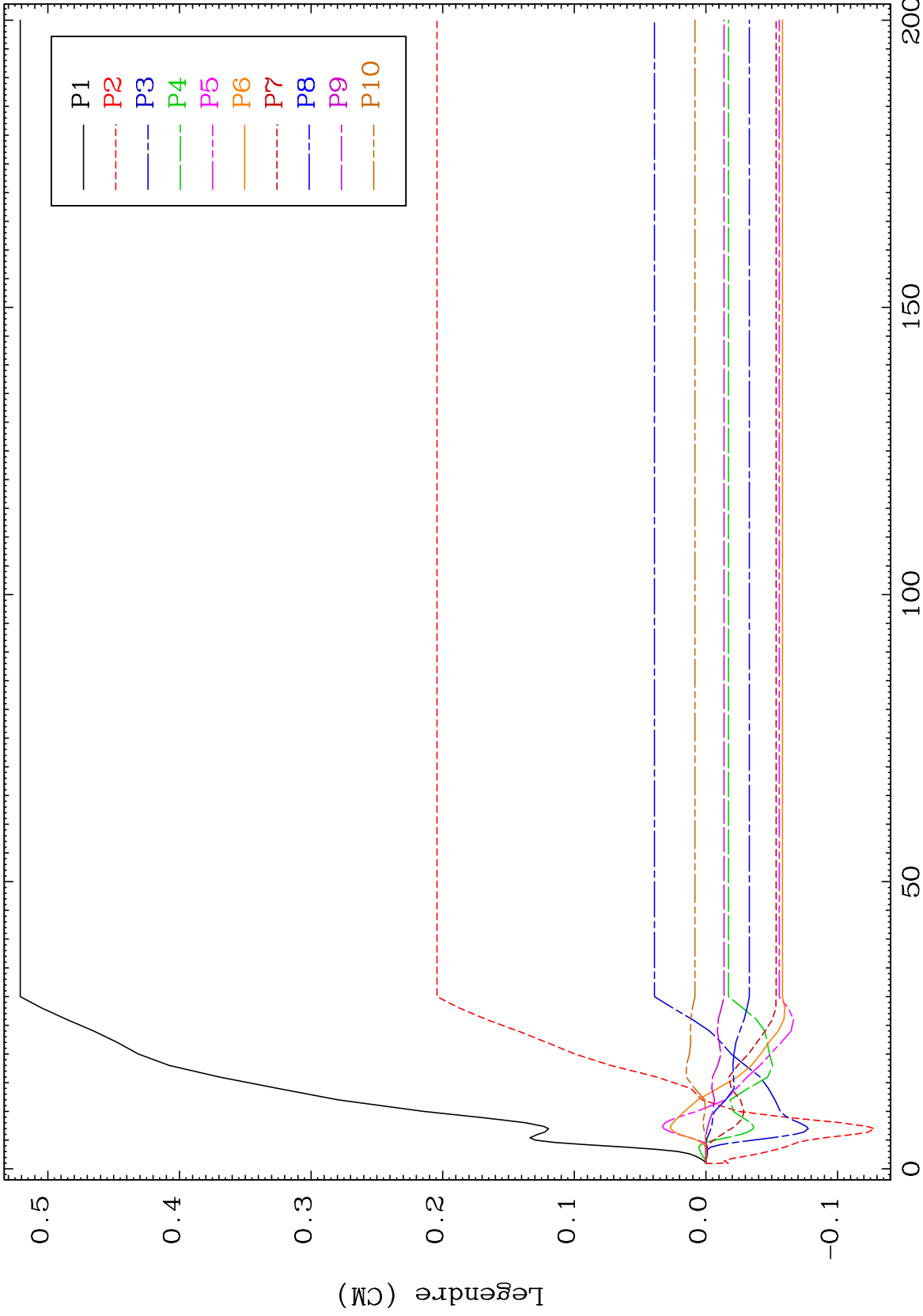
Incident Energy (MeV)

72

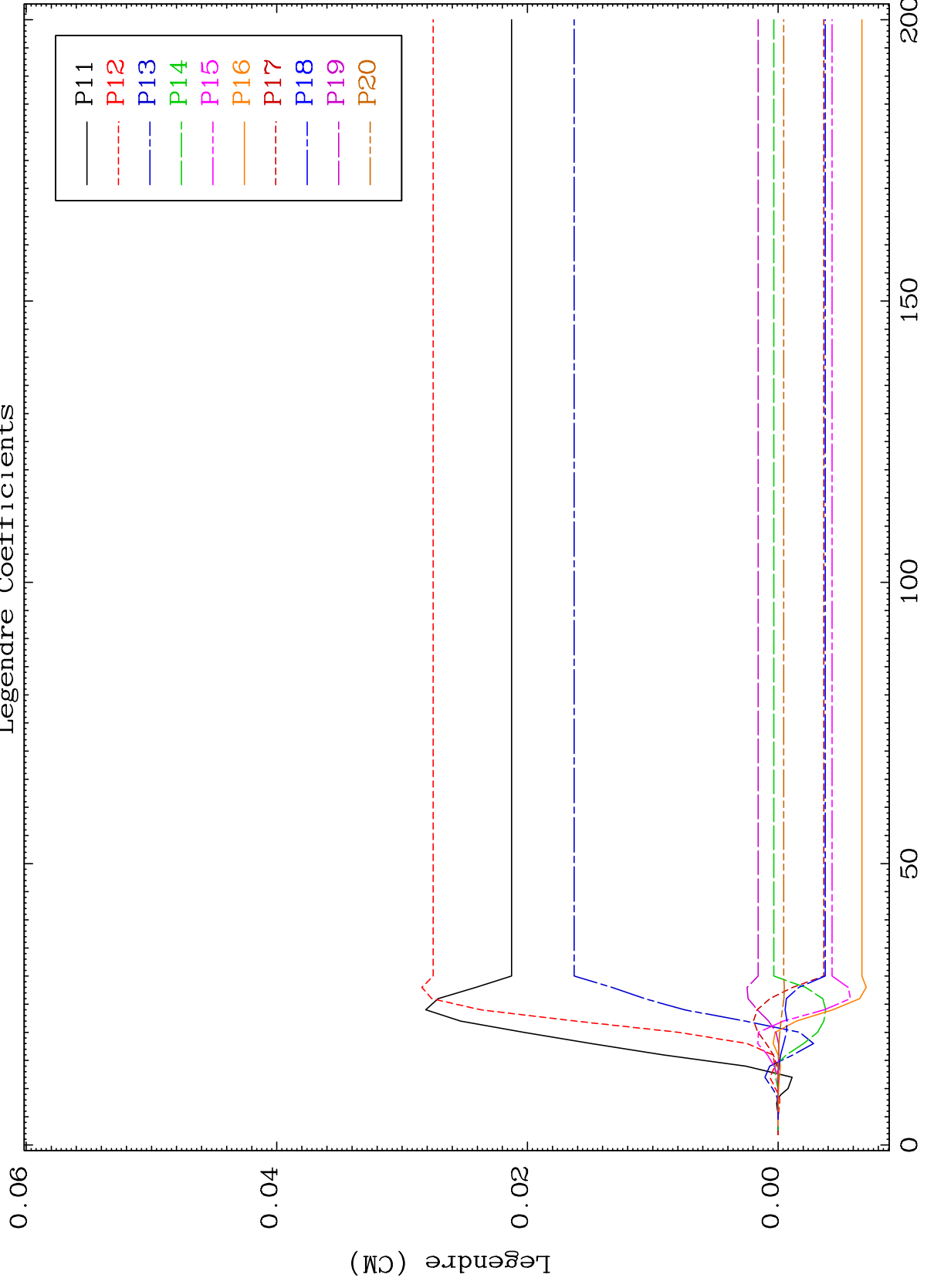
MAT 8340

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

83-Bi-214



MAT 8340 MT= 66 (n,n') Level Legendre Coefficients 83-Bi-214

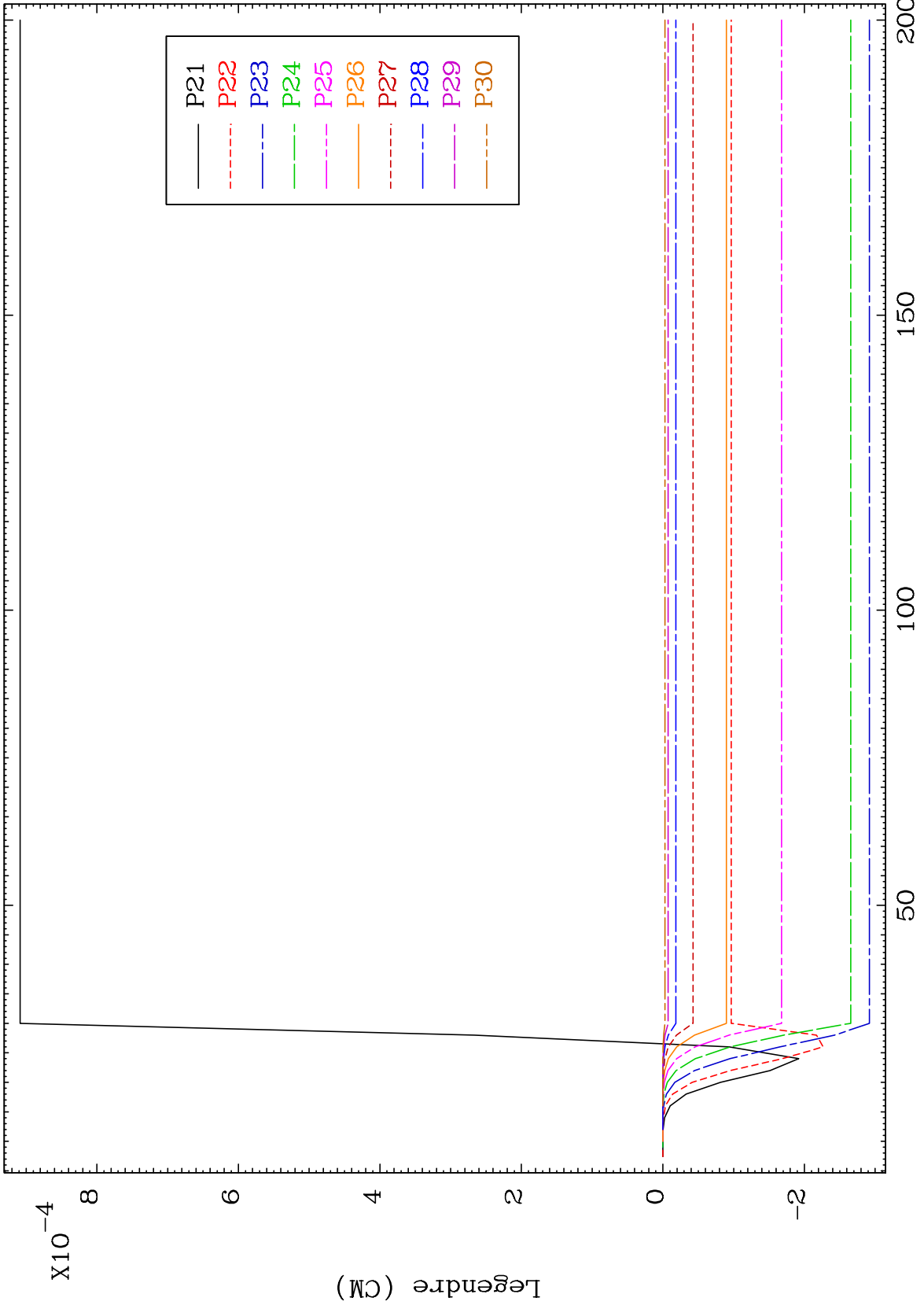


74 83-Bi-214

MAT 8340

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

83-Bi-214



75

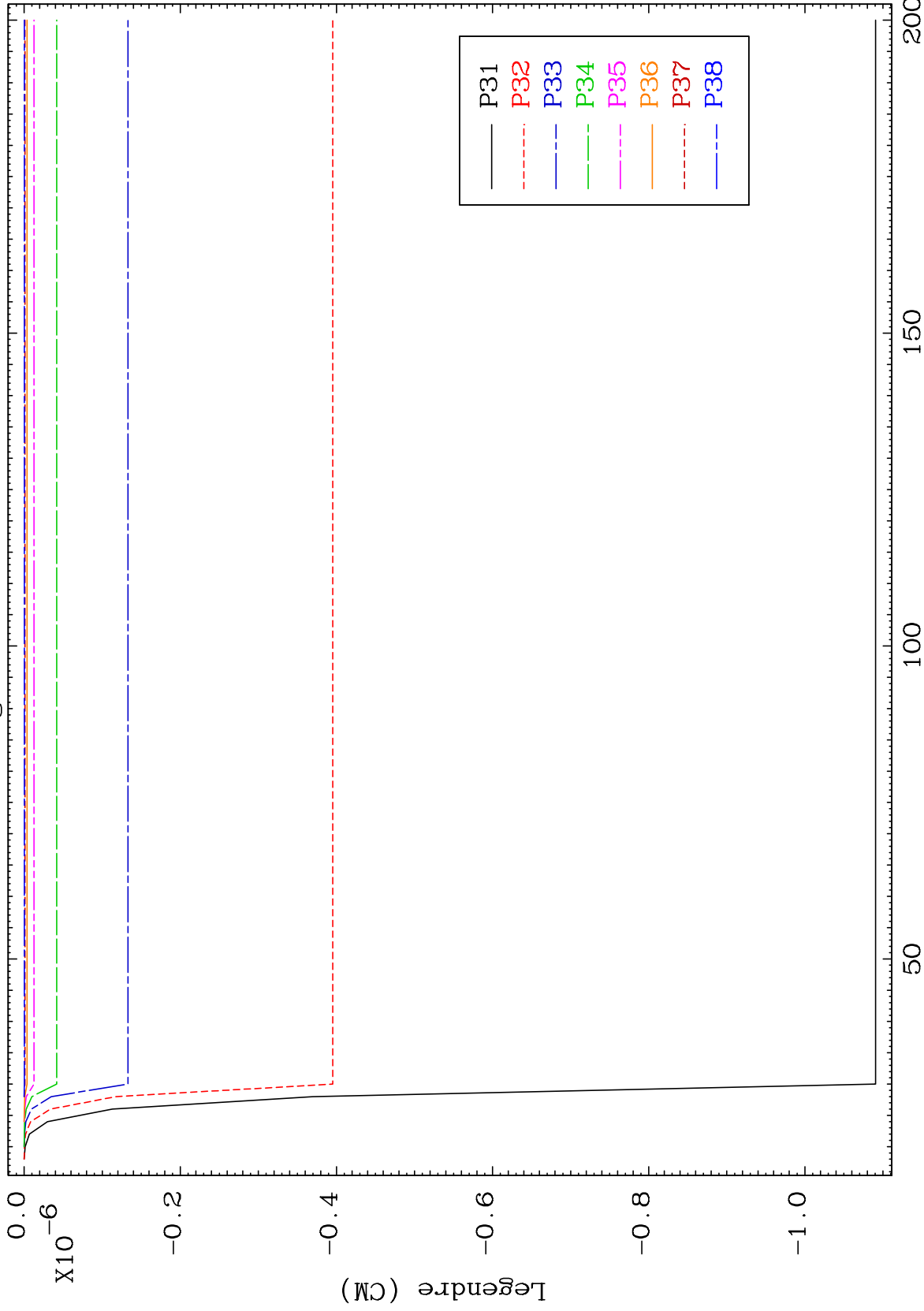
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



76

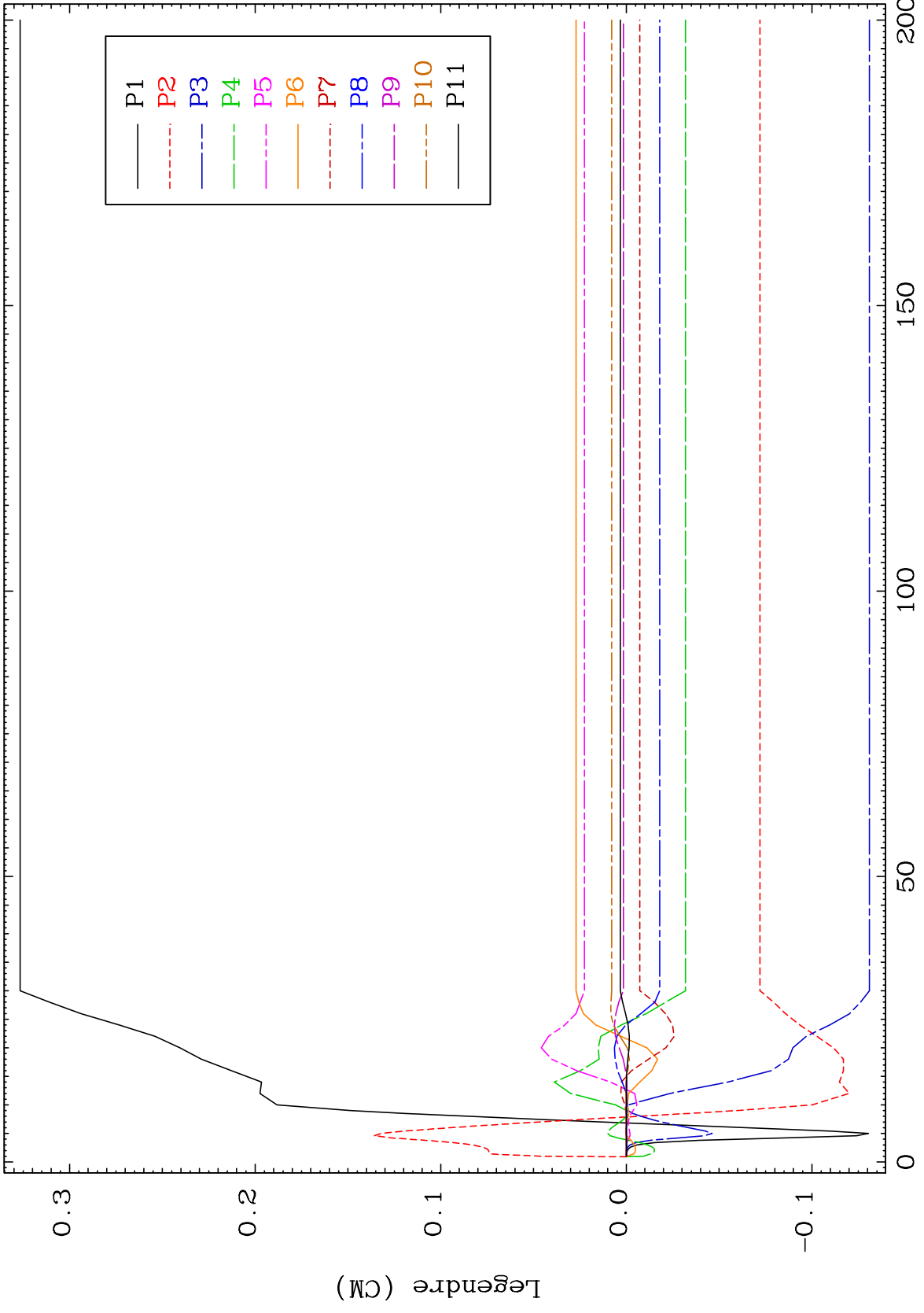
83-Bi-214

200

MAT 8340

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

83-Bi-214

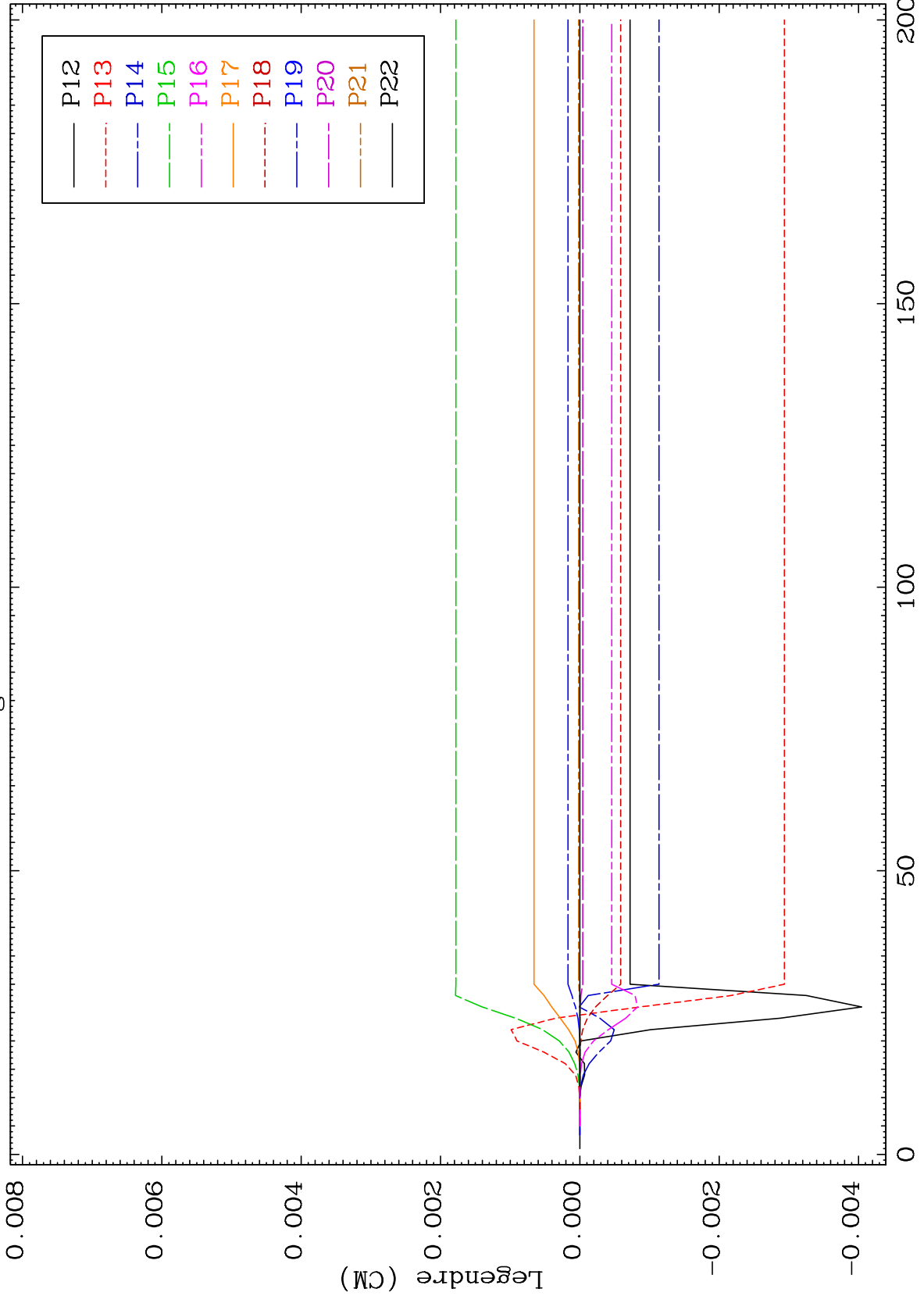


77

Incident Energy (MeV)

83-Bi-214

MAT 8340 MT= 67 (n,n') Level Legendre Coefficients 83-Bi-214

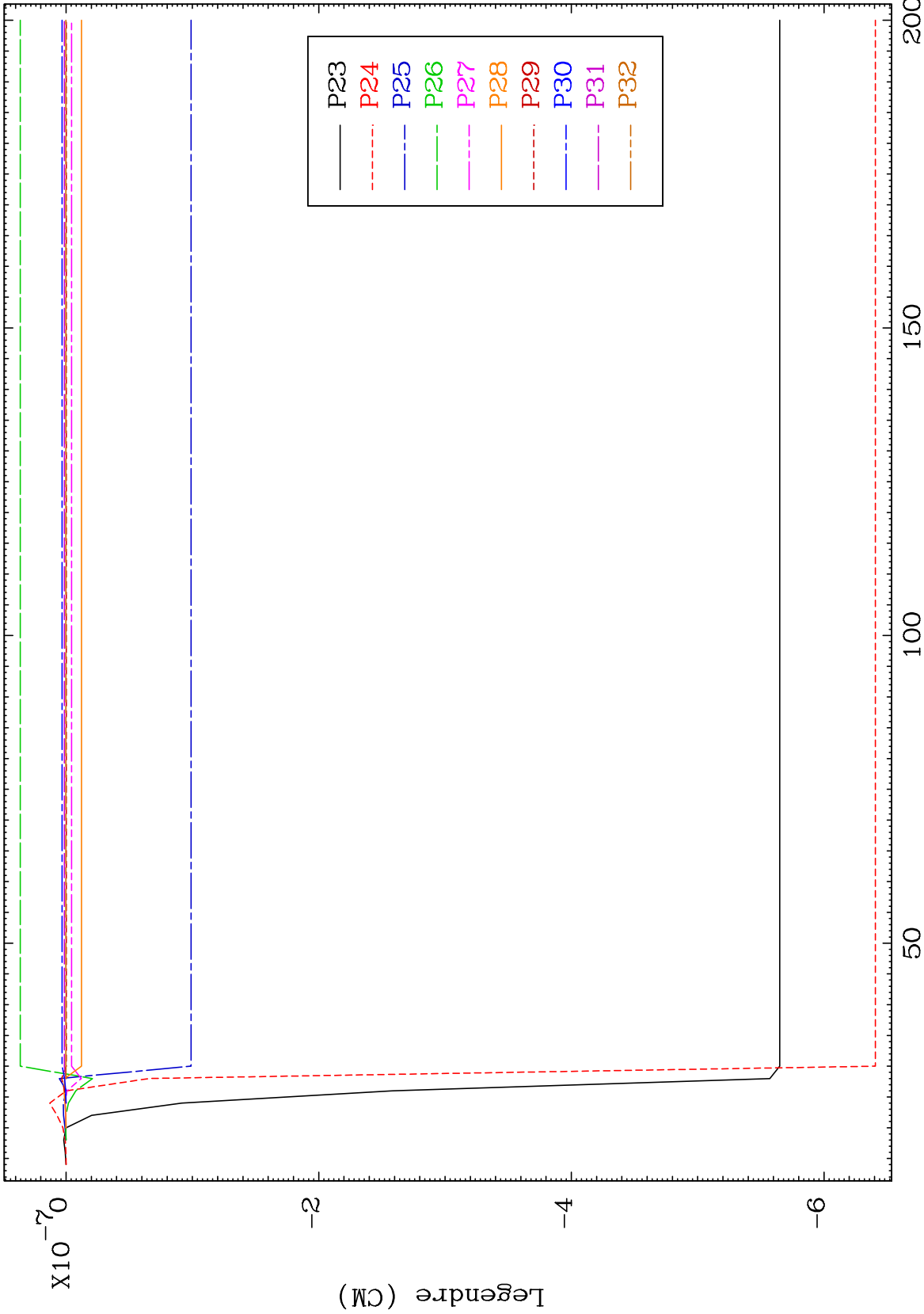


78 Incident Energy (MeV) 83-Bi-214

MAT 8340

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

83-Bi-214



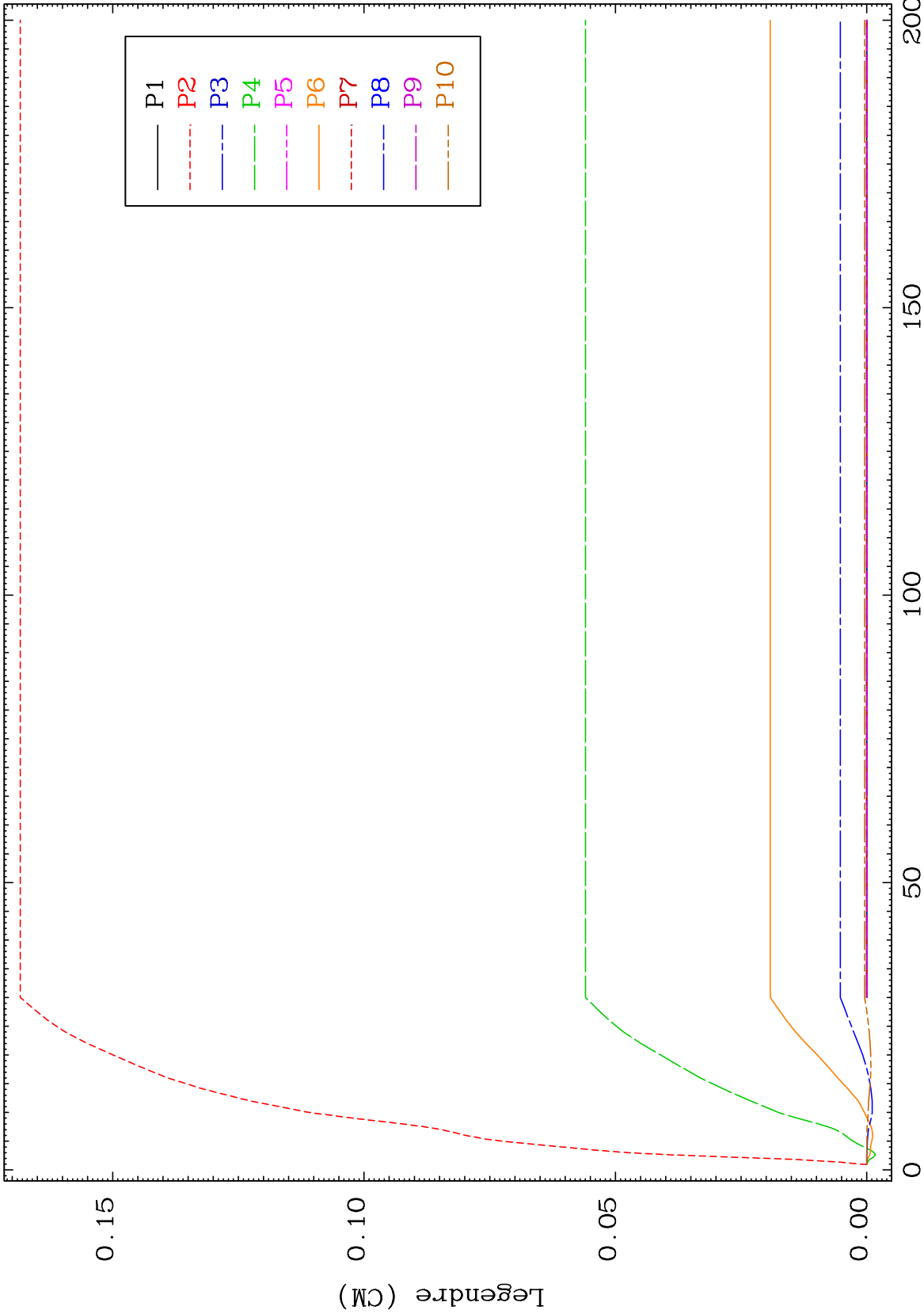
79

83-Bi-214

MAT 8340

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

83-Bi-214



80

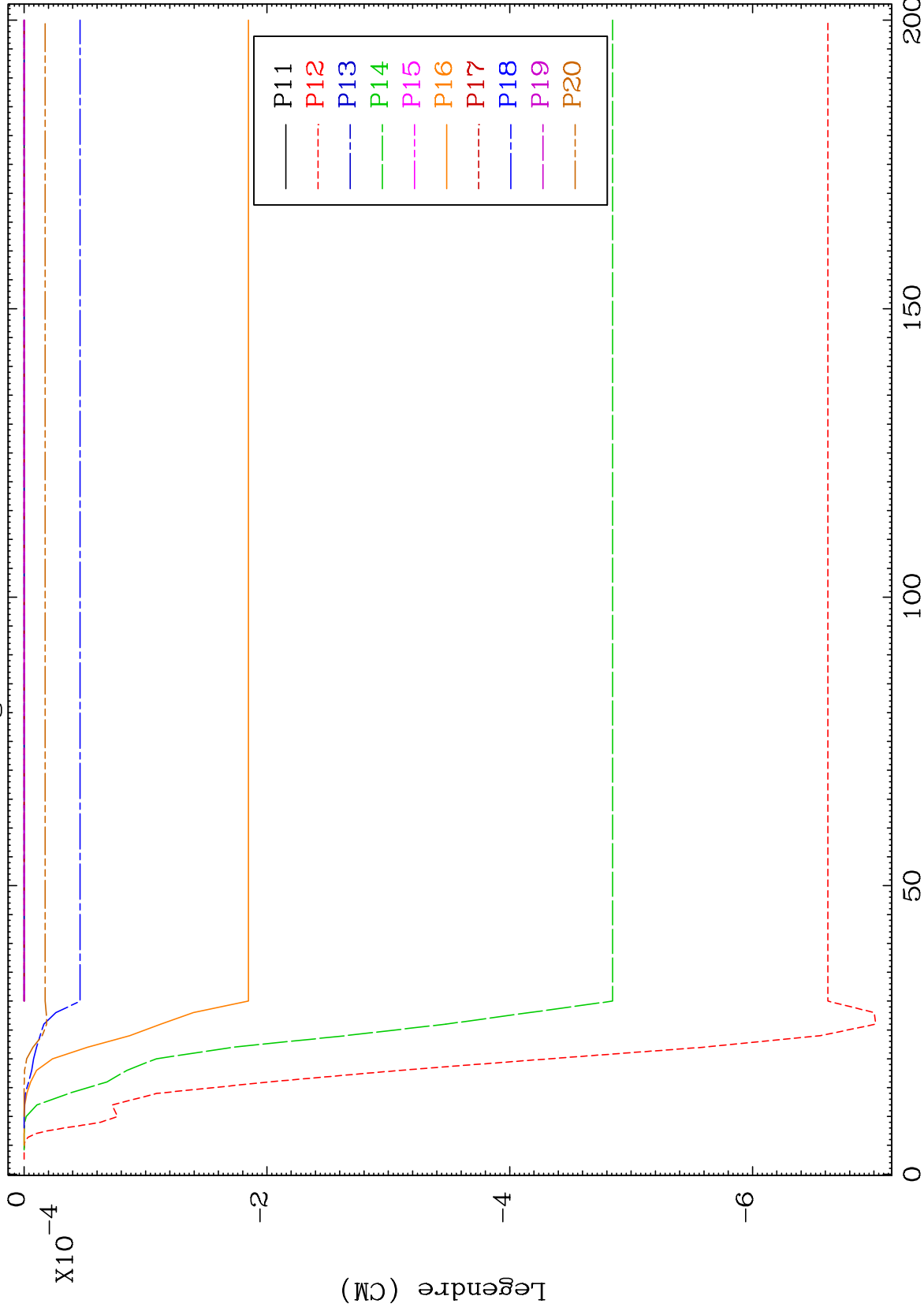
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



81

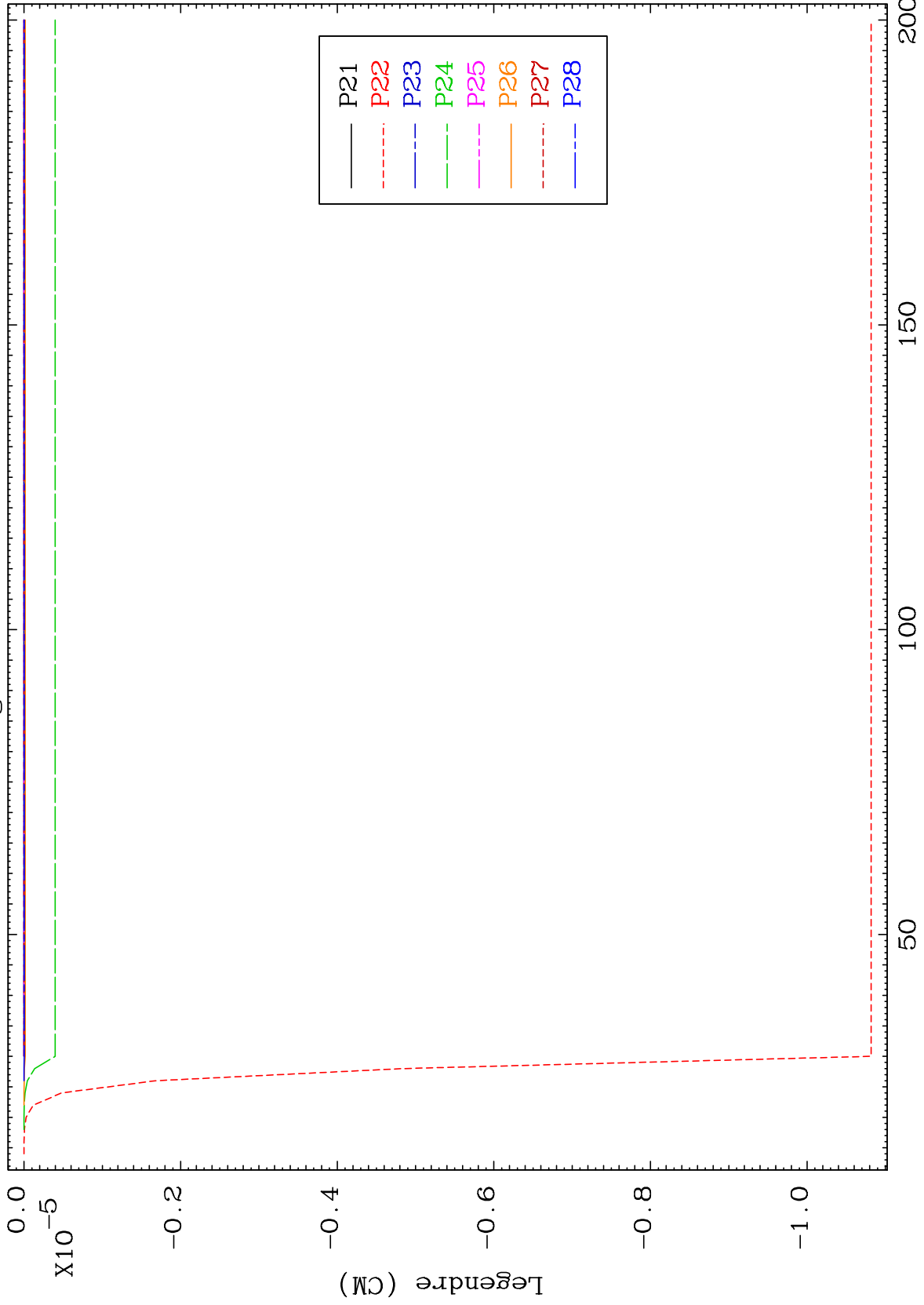
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



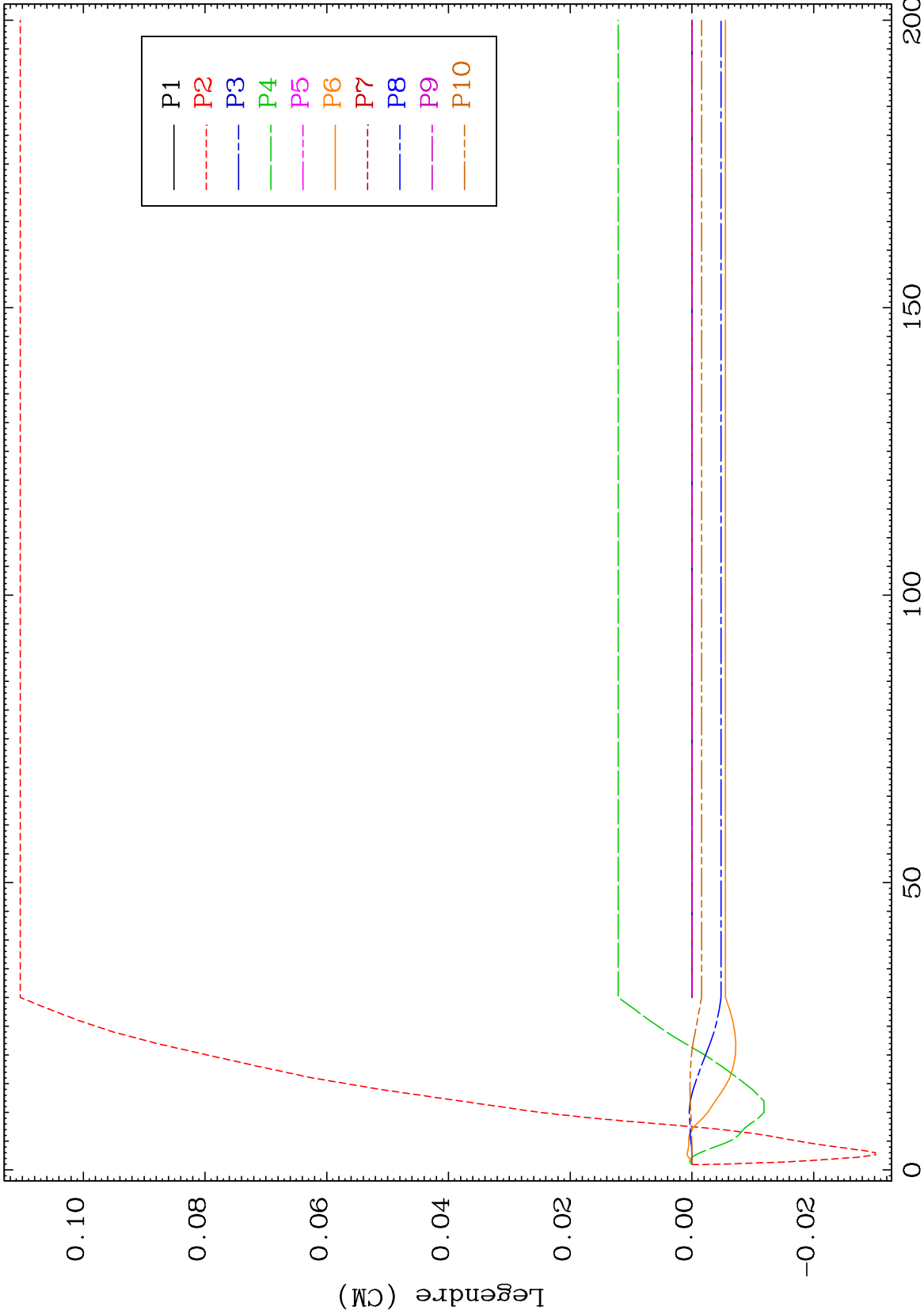
82

83-Bi-214

MAT 8340

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

83-Bi-214



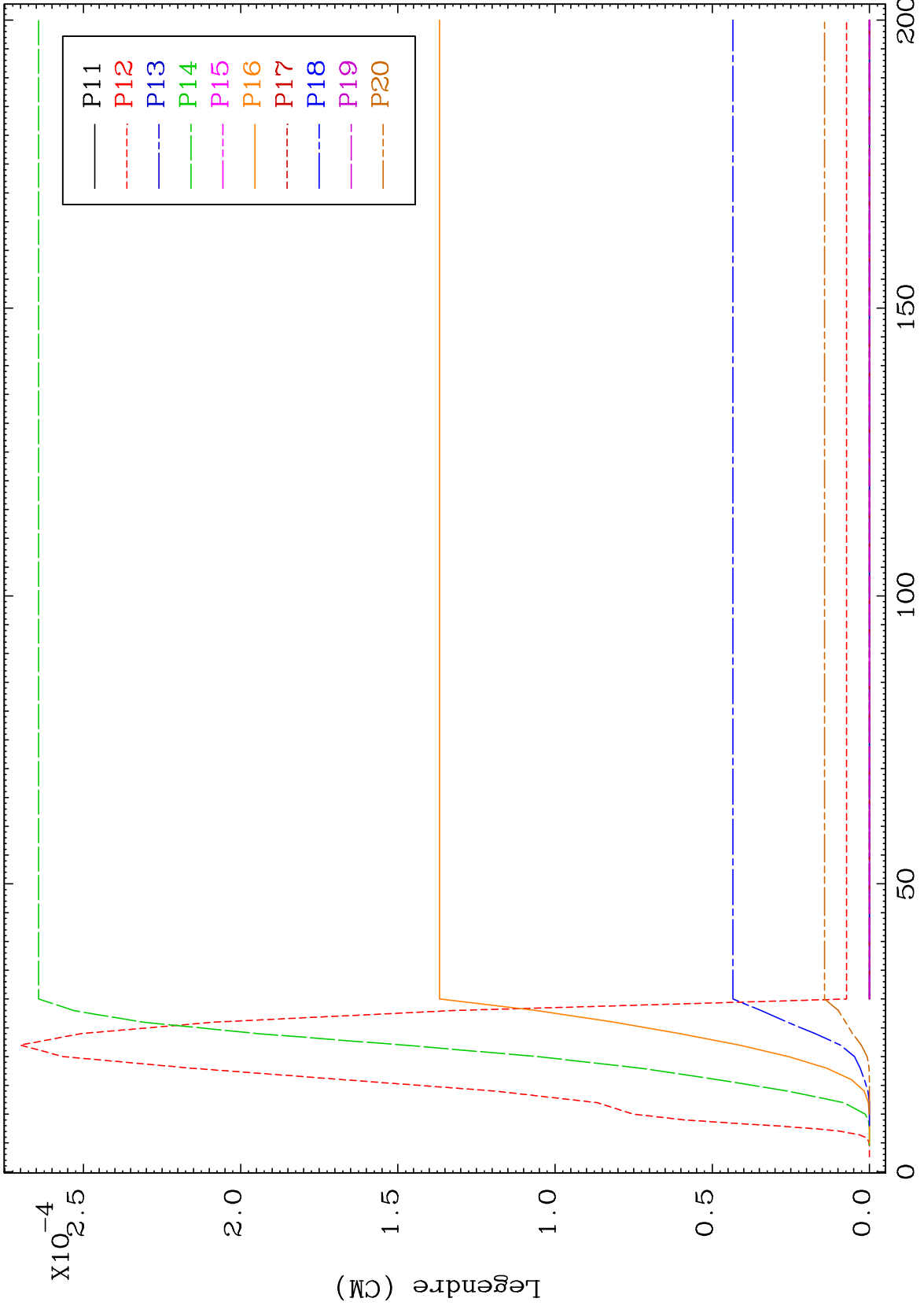
83

83-Bi-214

MAT 8340

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

83-Bi-214



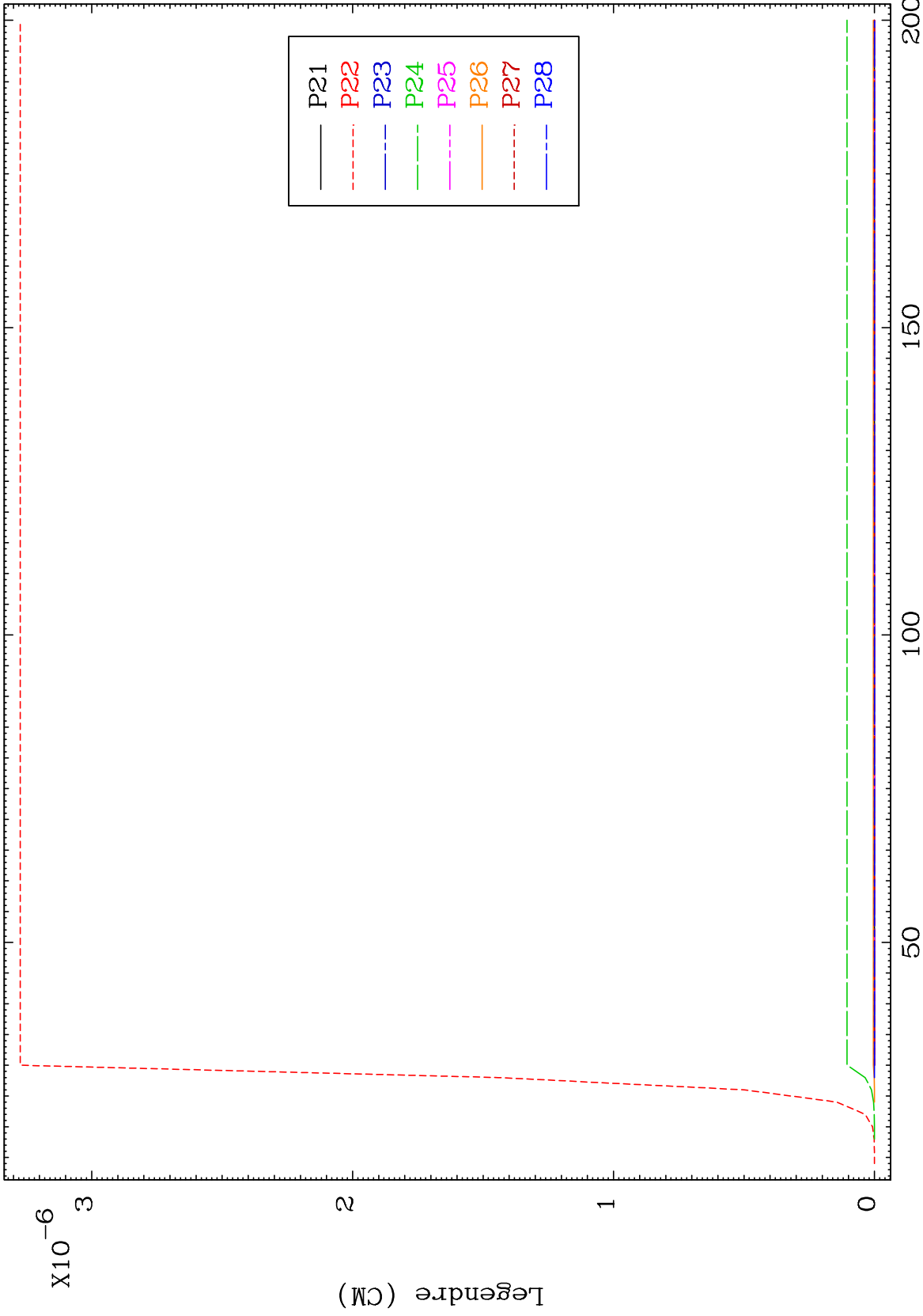
84

83-Bi-214

MAT 8340

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

83-Bi-214



85

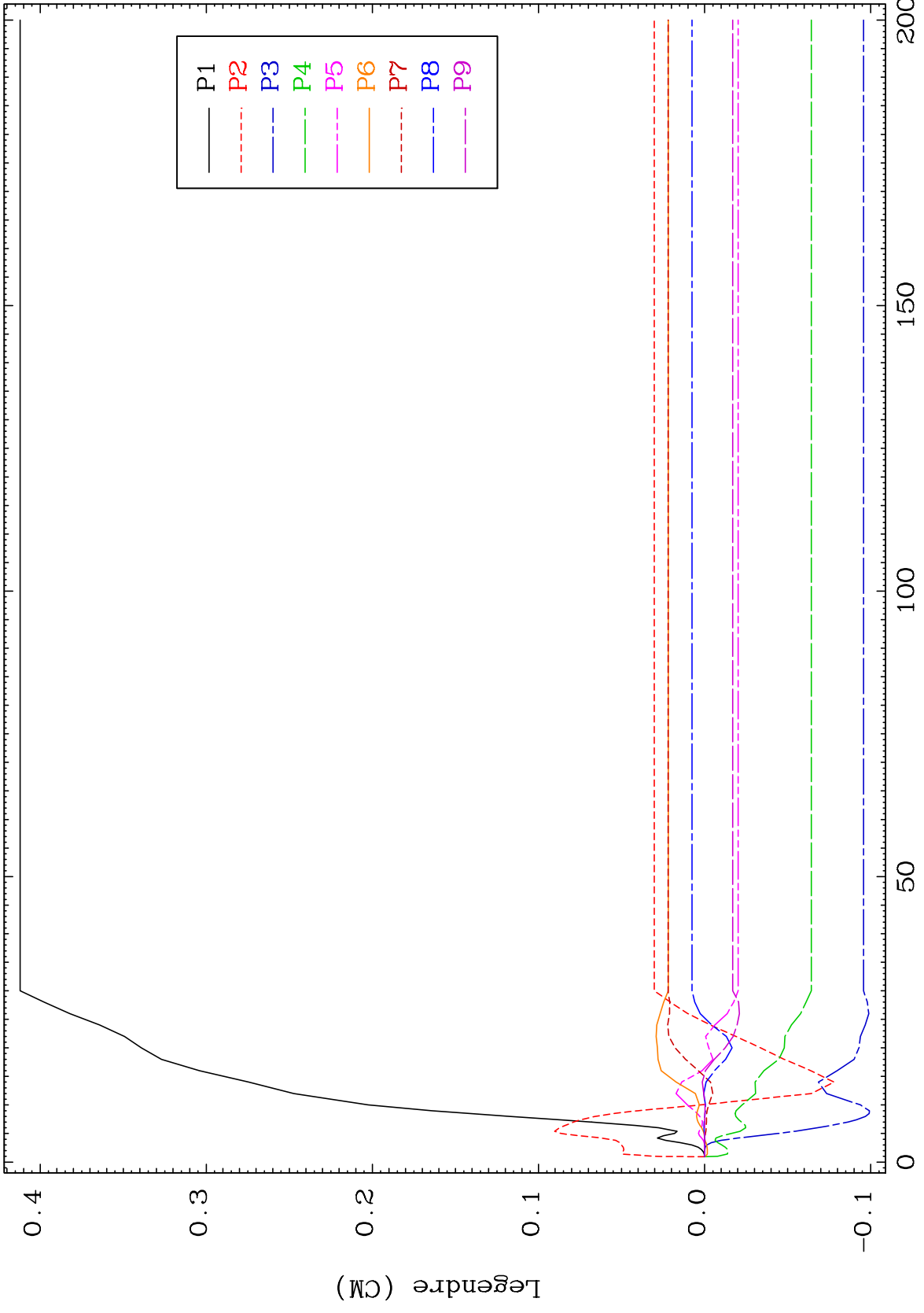
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



86

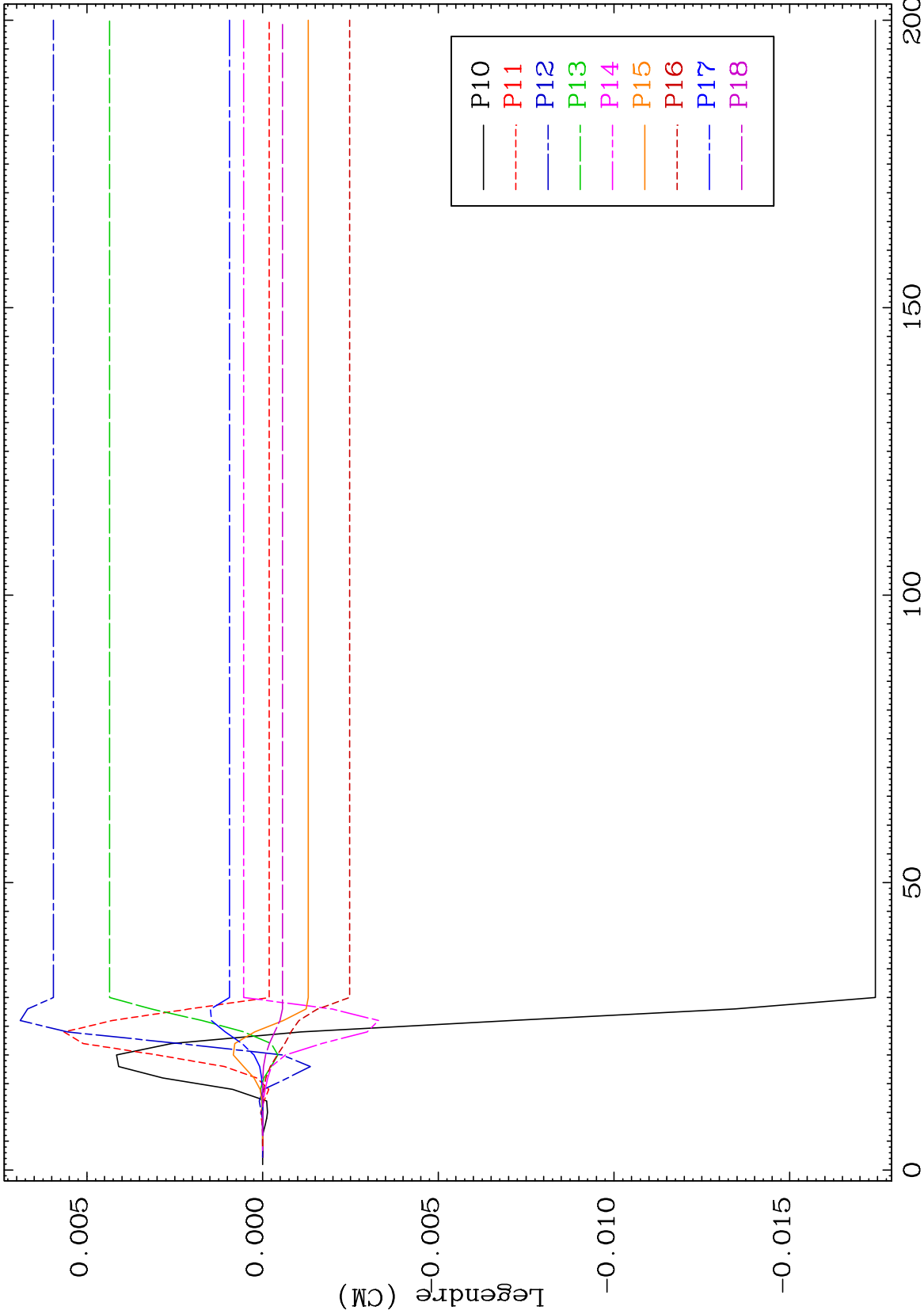
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



87

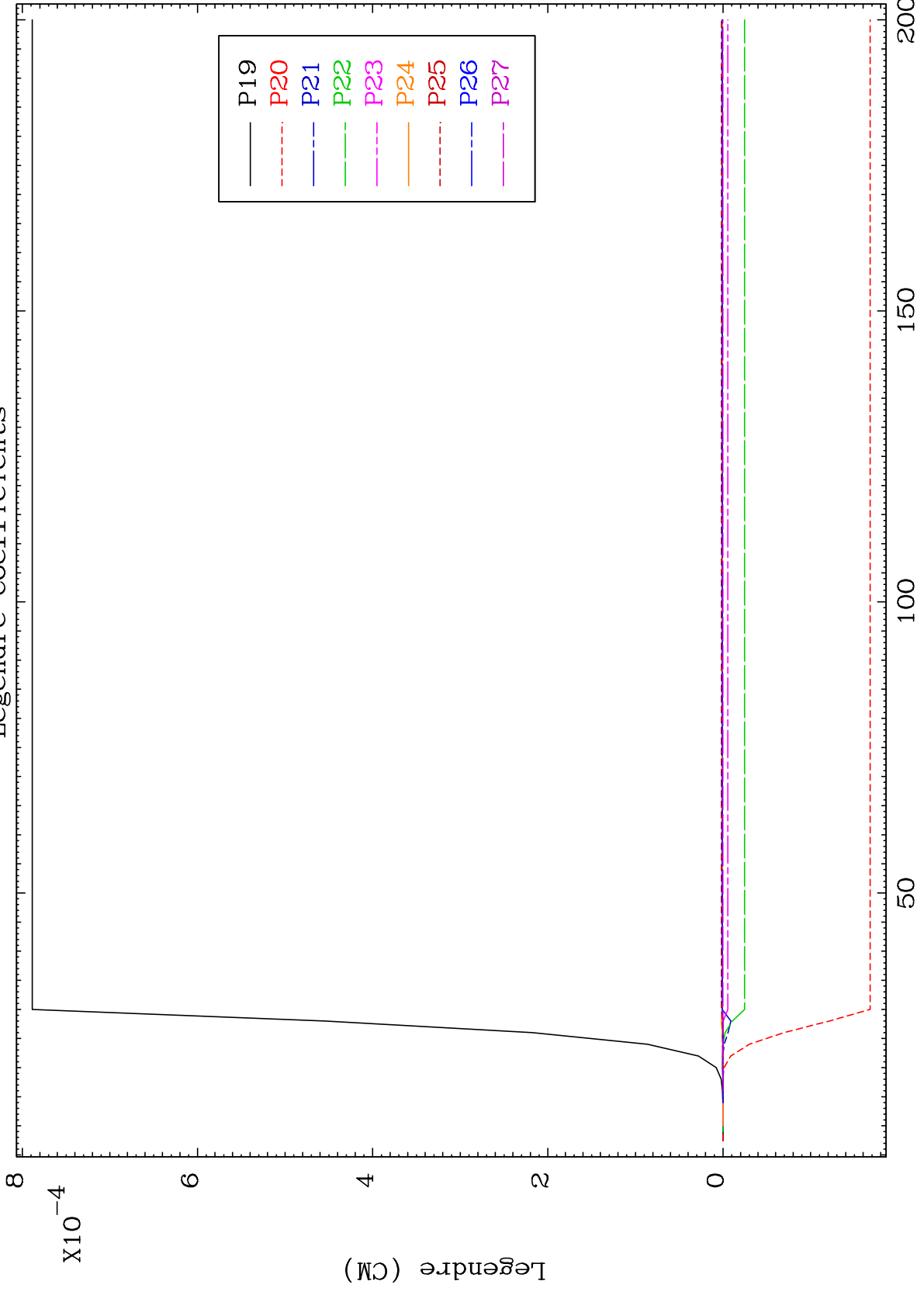
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



88

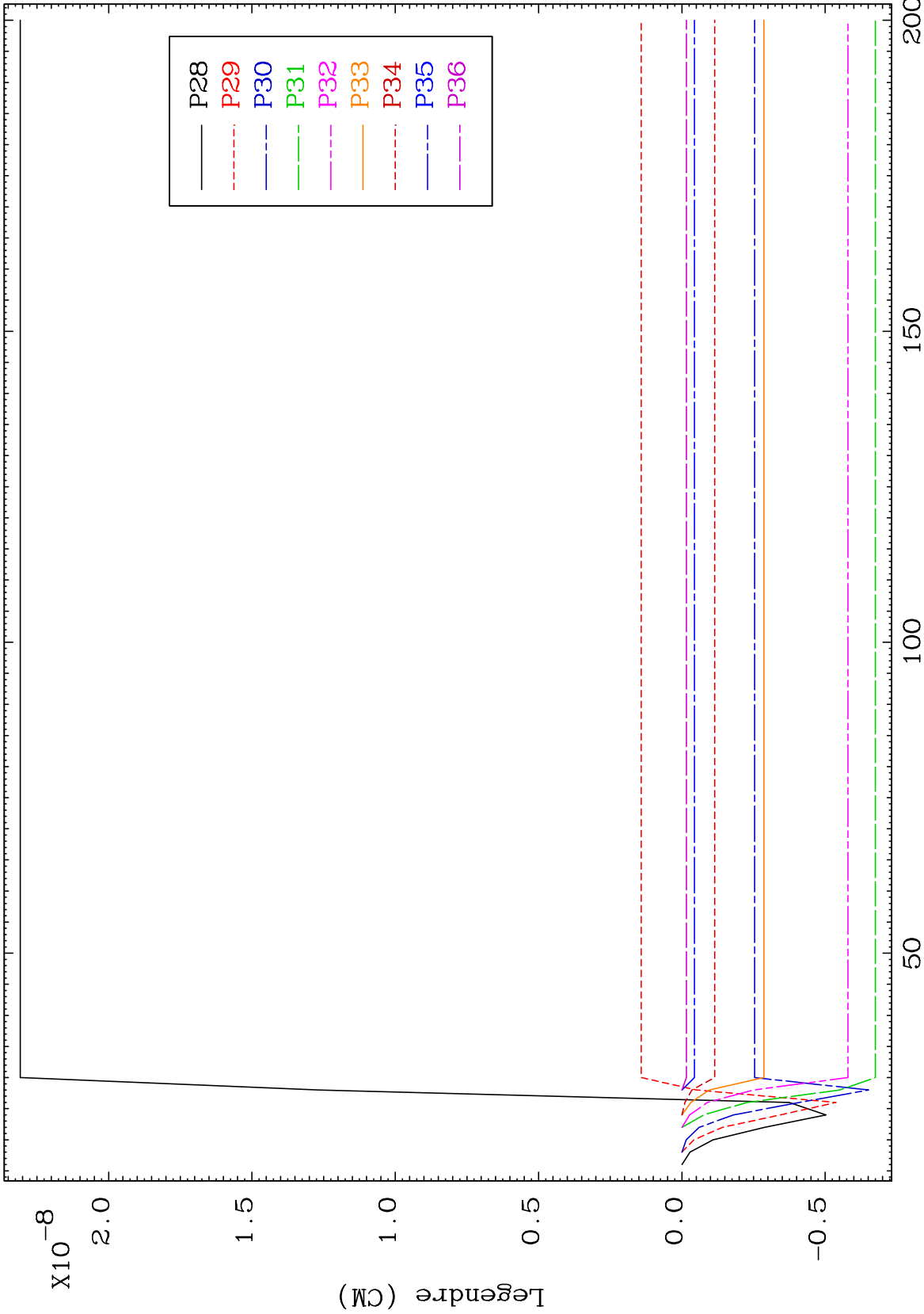
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



89

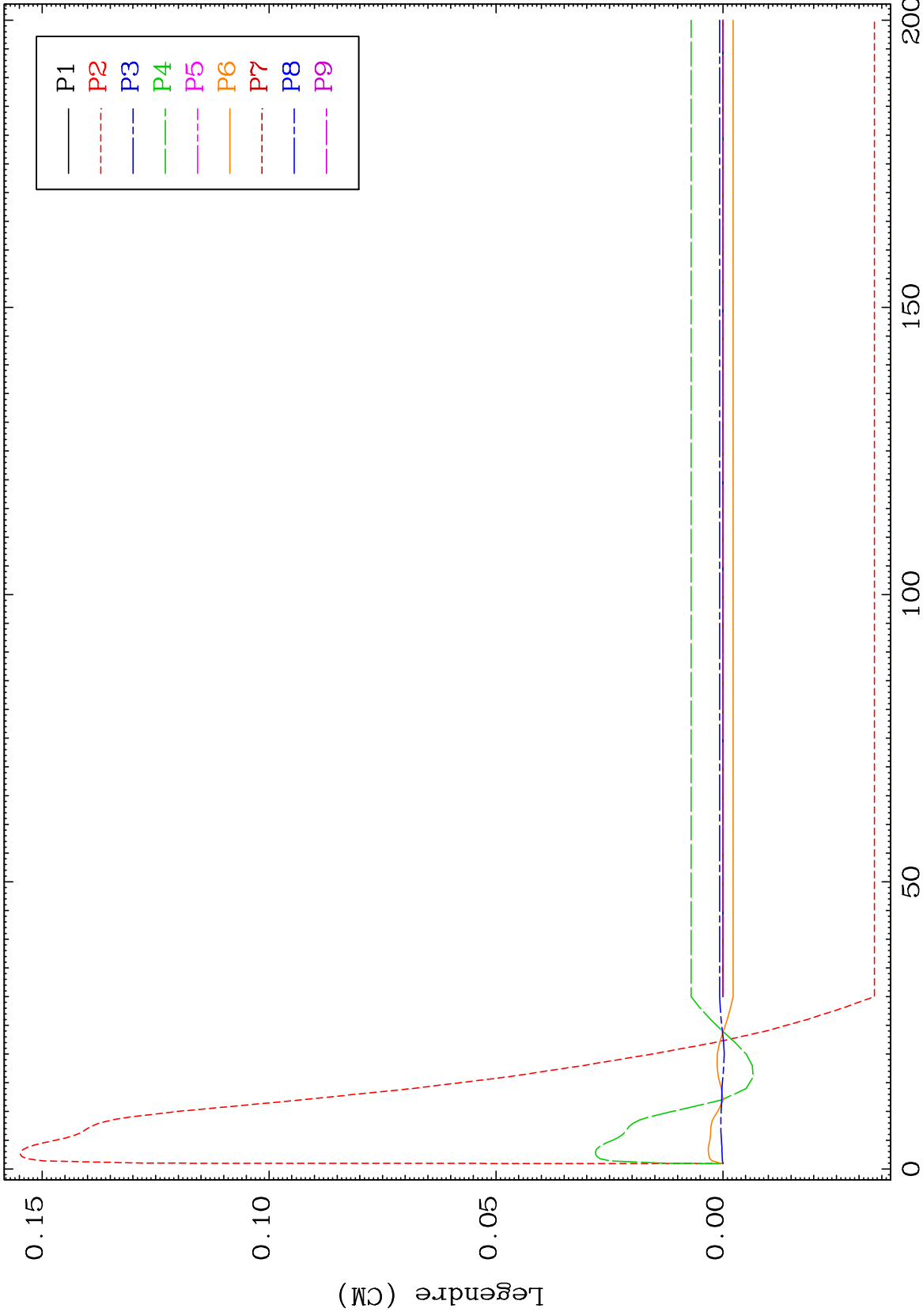
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



83-Bi-214

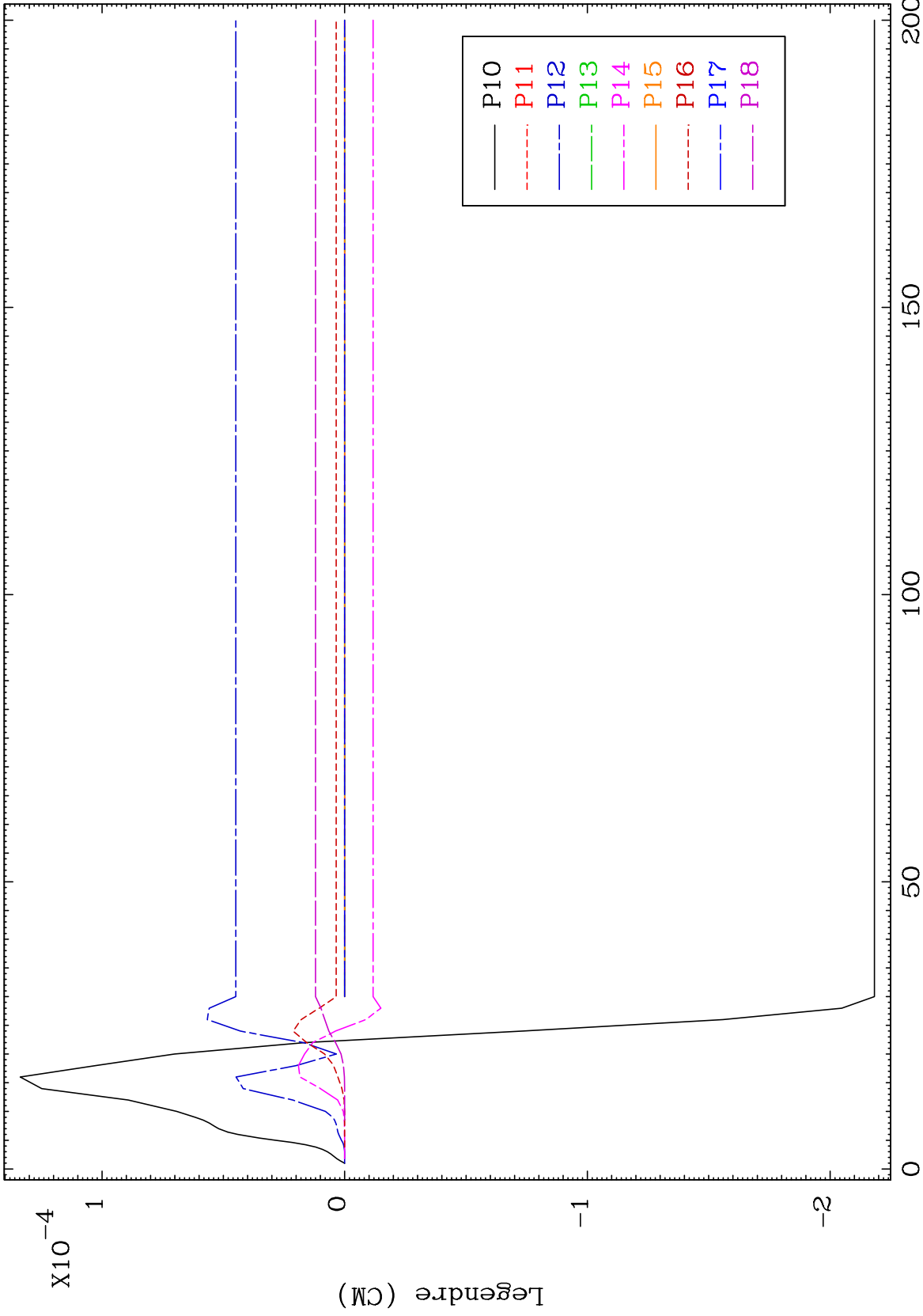
Incident Energy (MeV)

90

MAT 8340

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

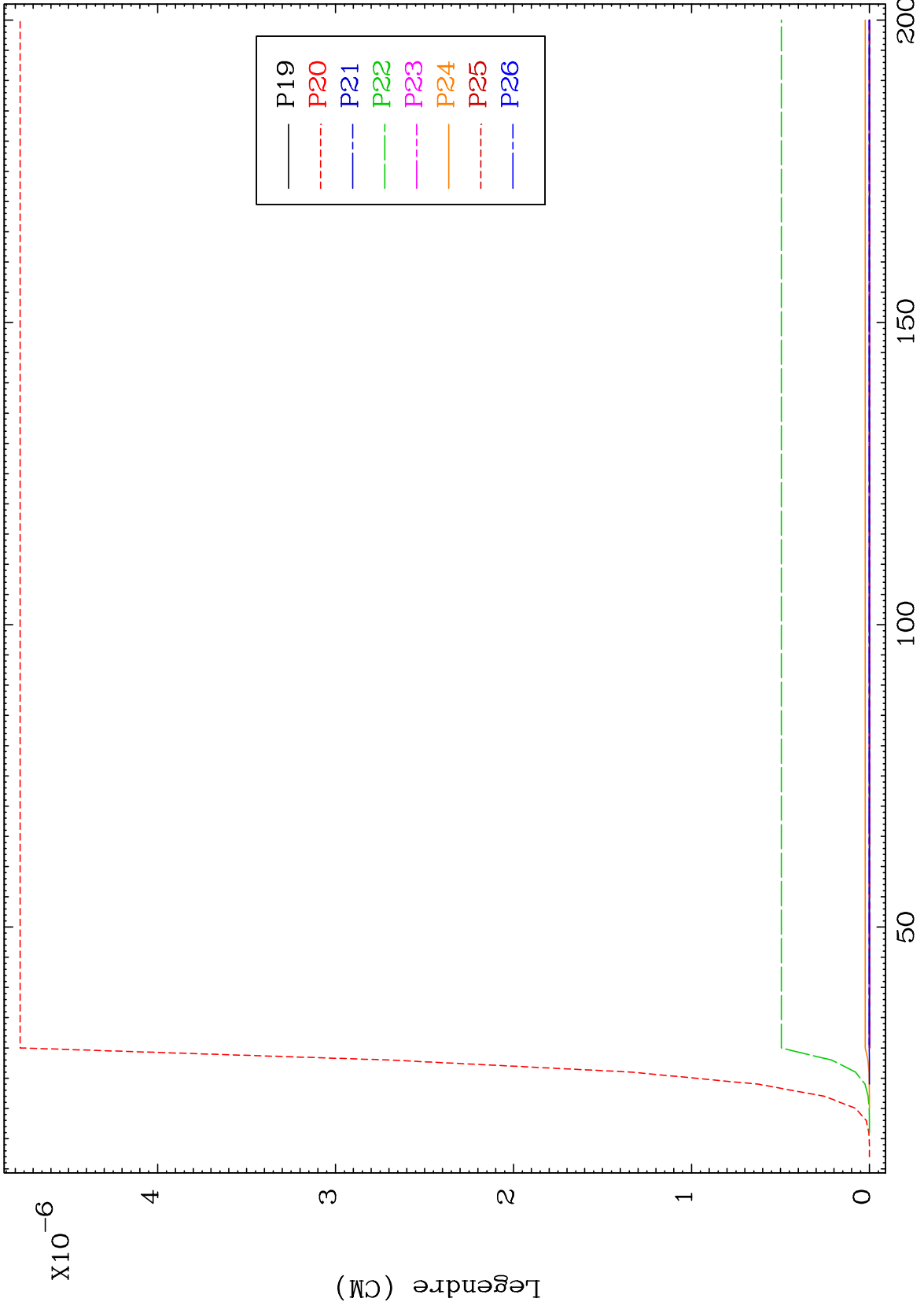
83-Bi-214



91

83-Bi-214

MAT 8340 MT= 71 (n,n') Level Legendre Coefficients 83-Bi-214

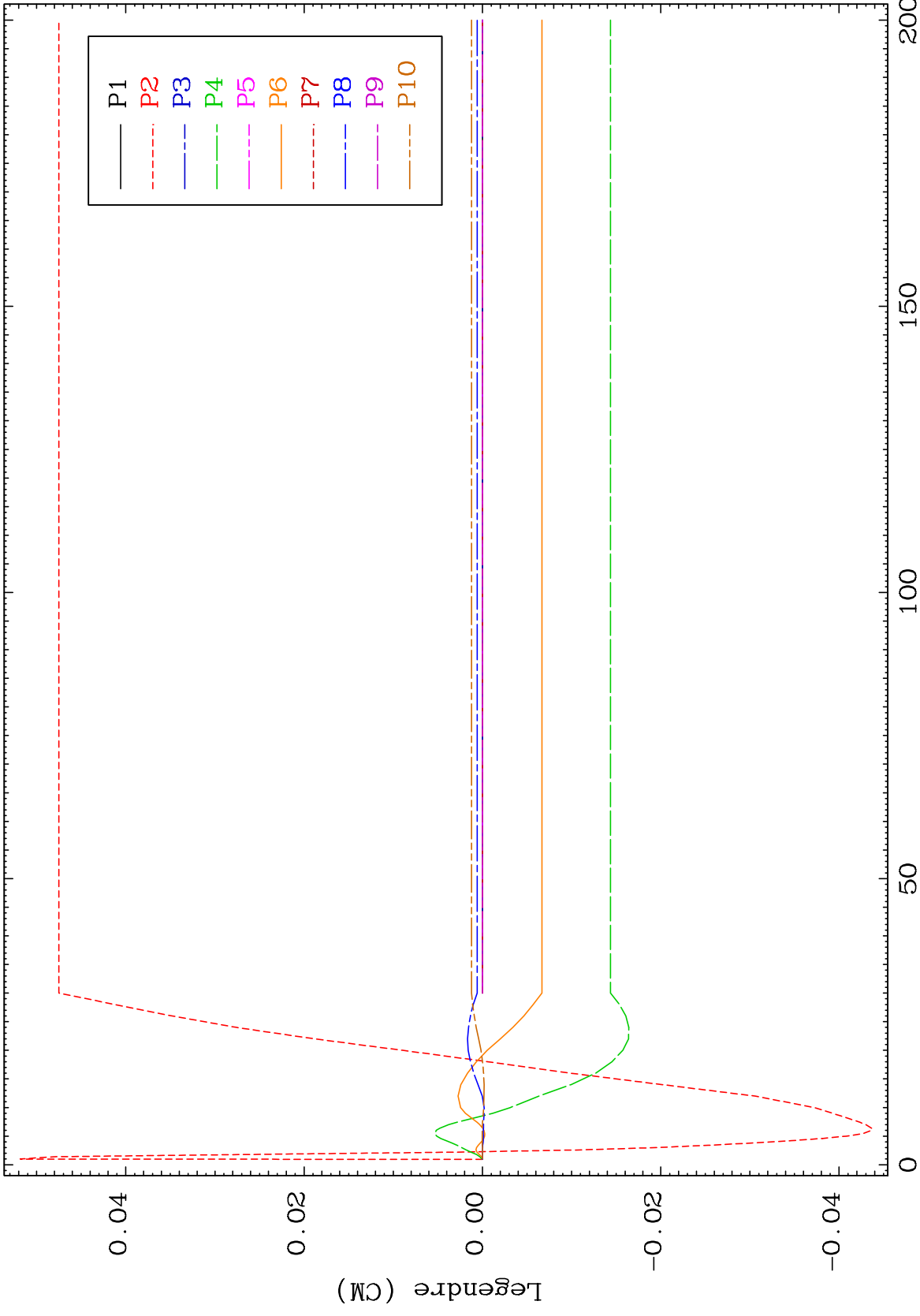


92 83-Bi-214

MAT 8340

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

83-Bi-214



93

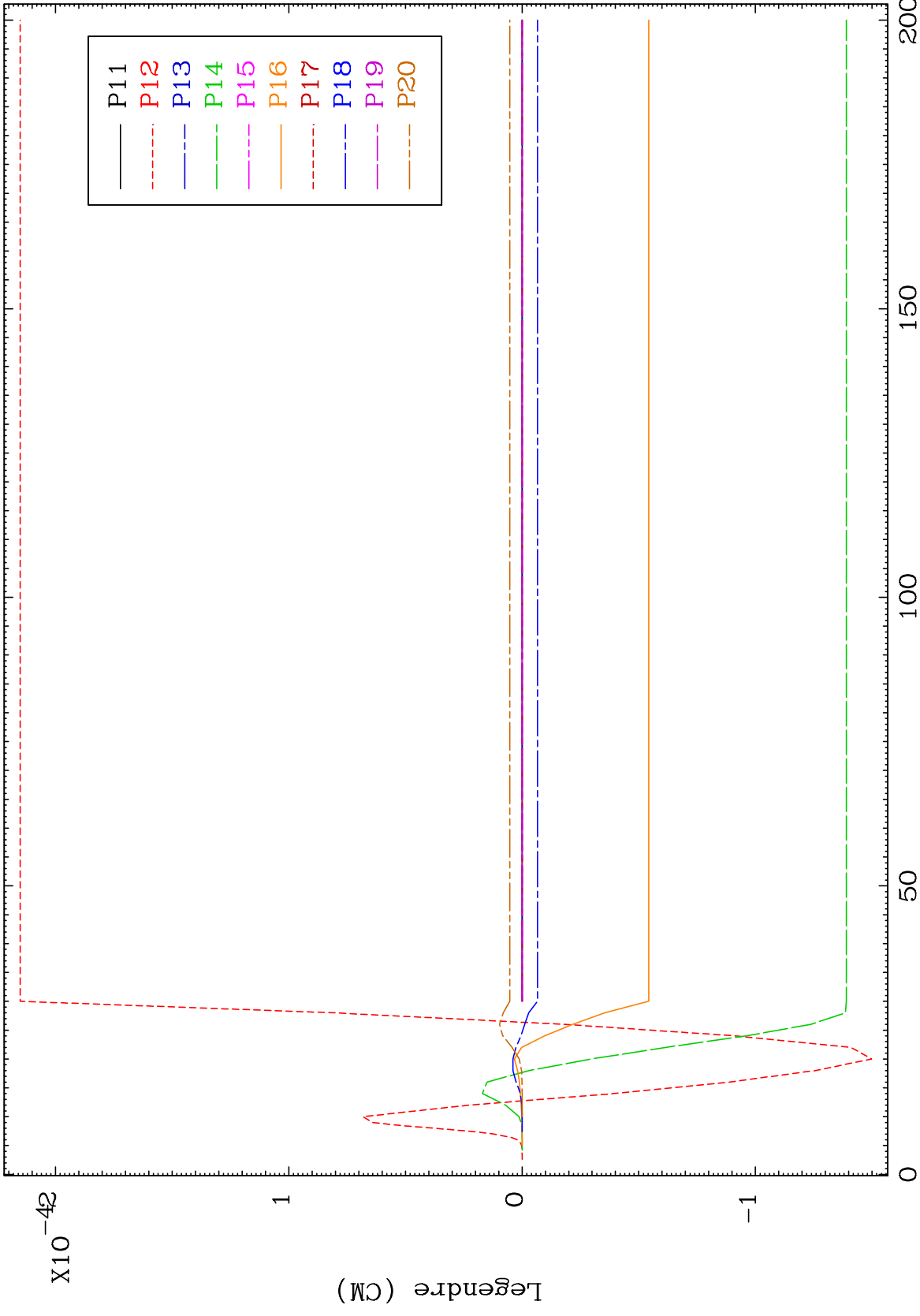
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



94

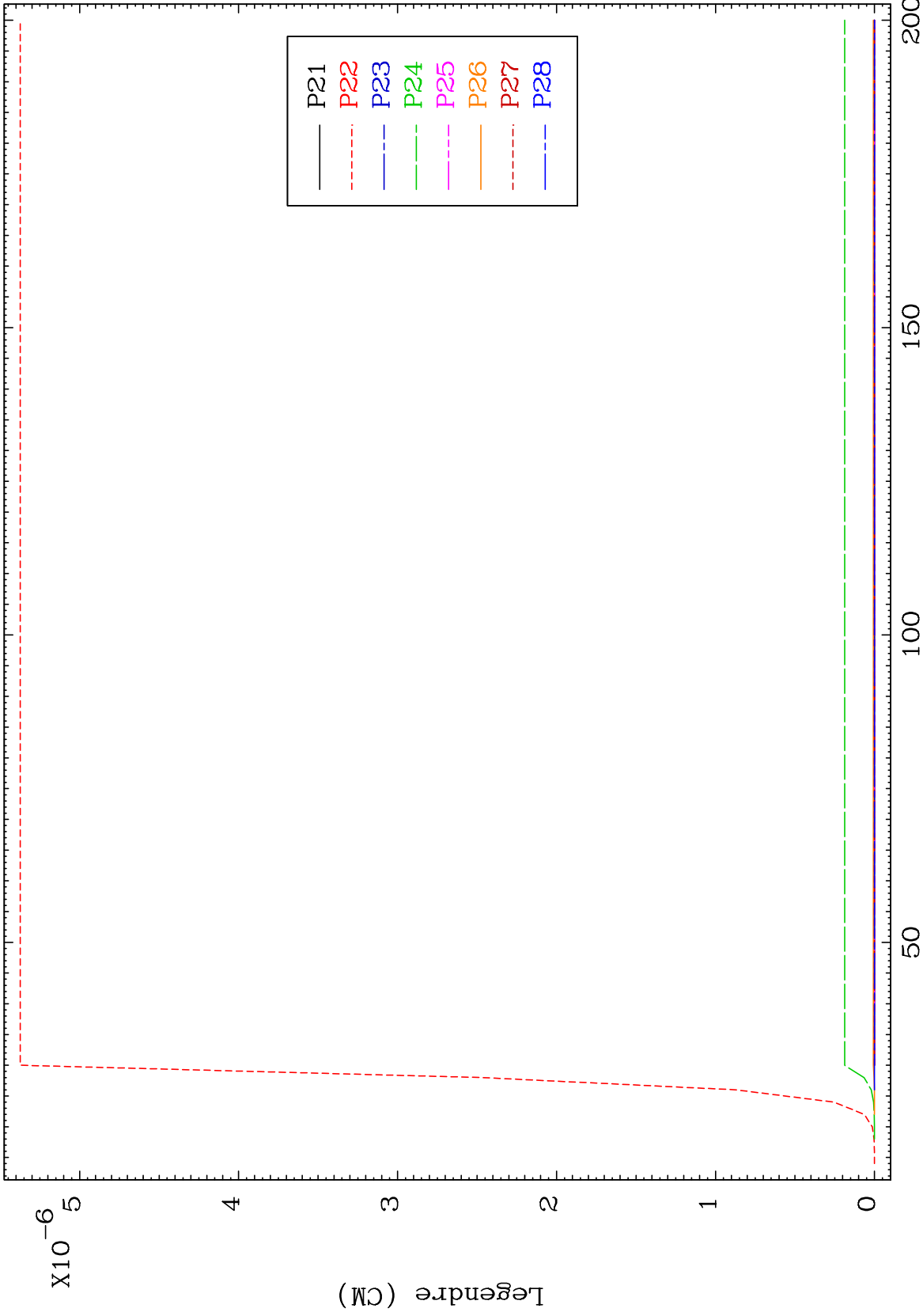
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



95

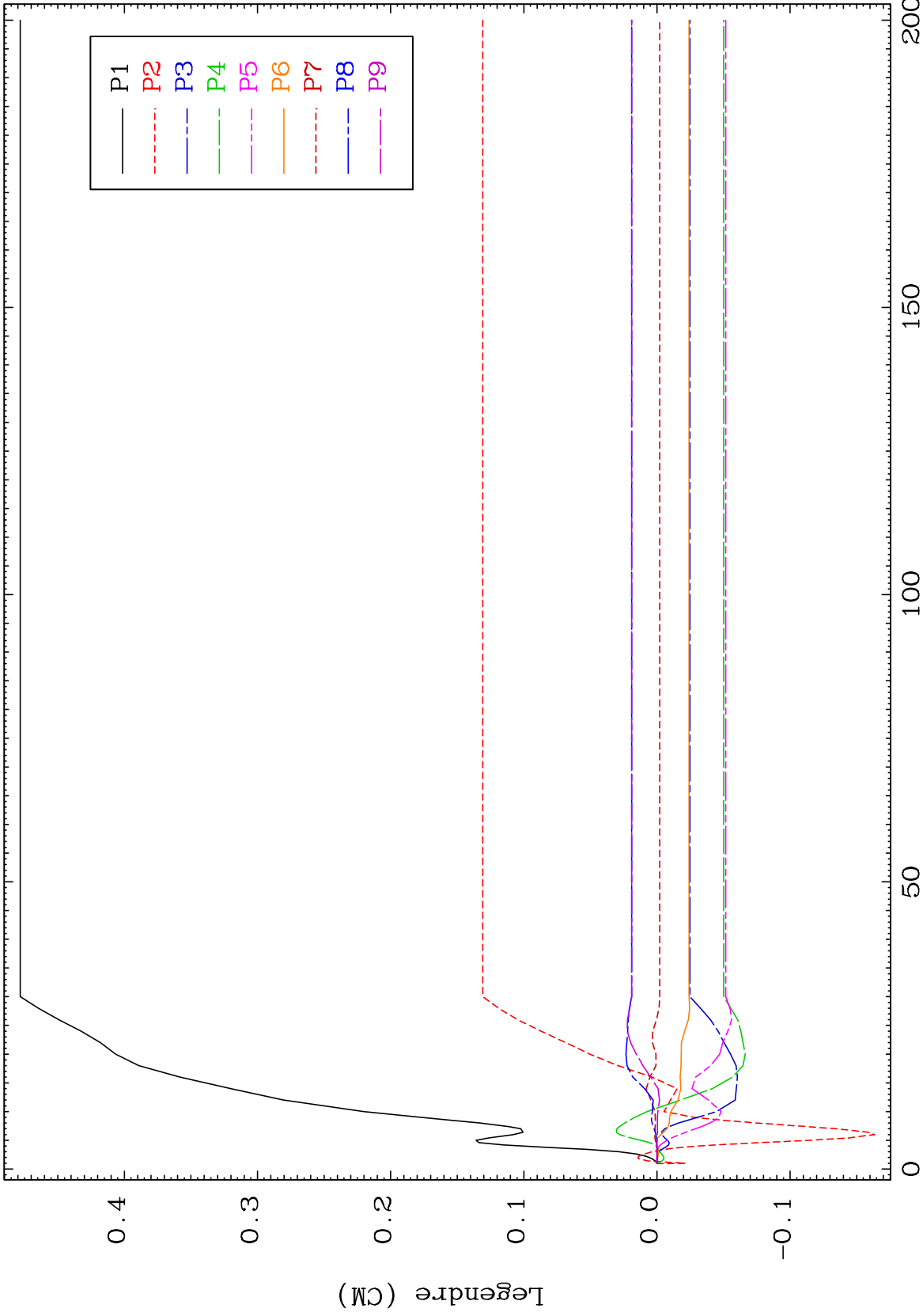
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



96

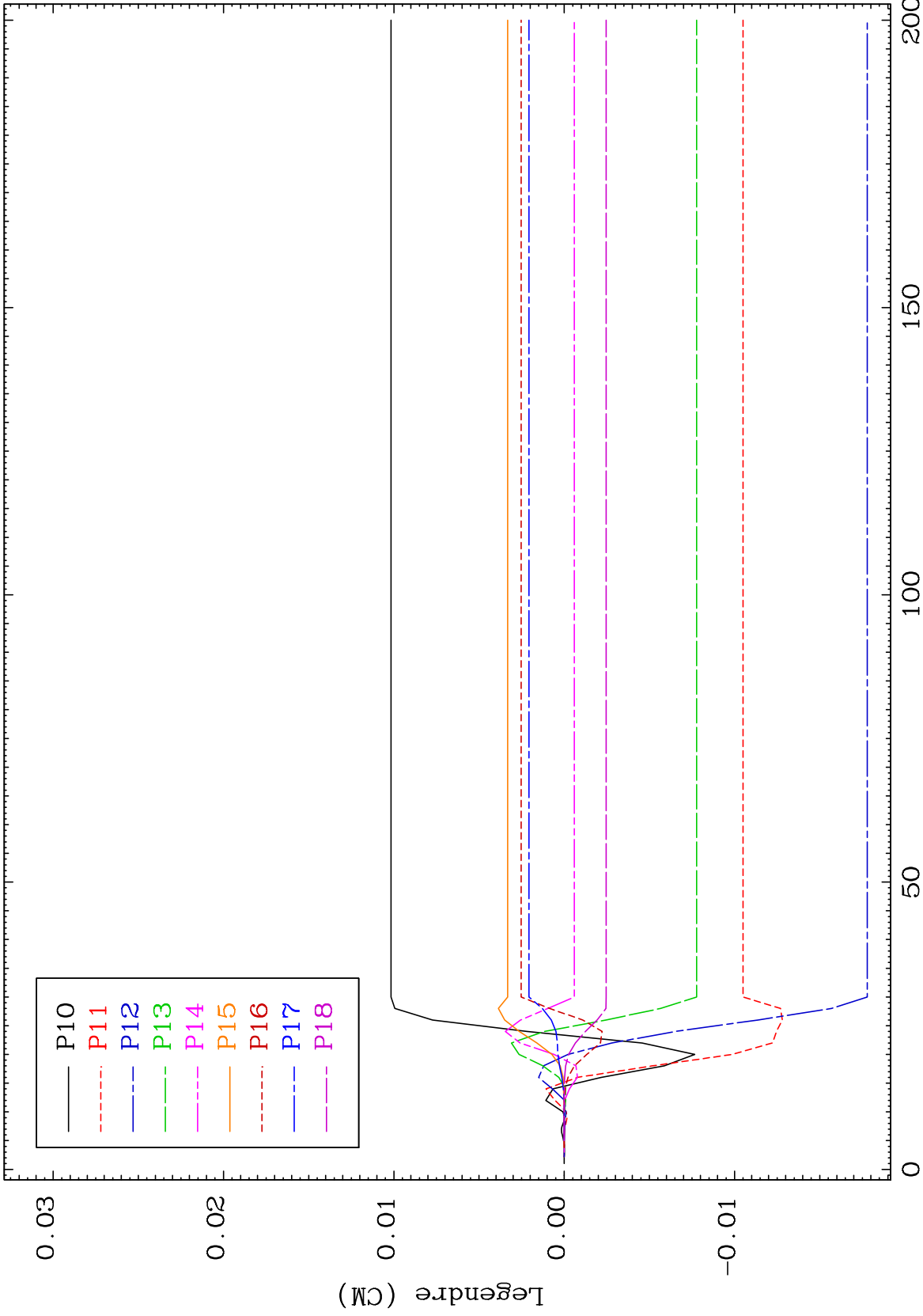
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



97

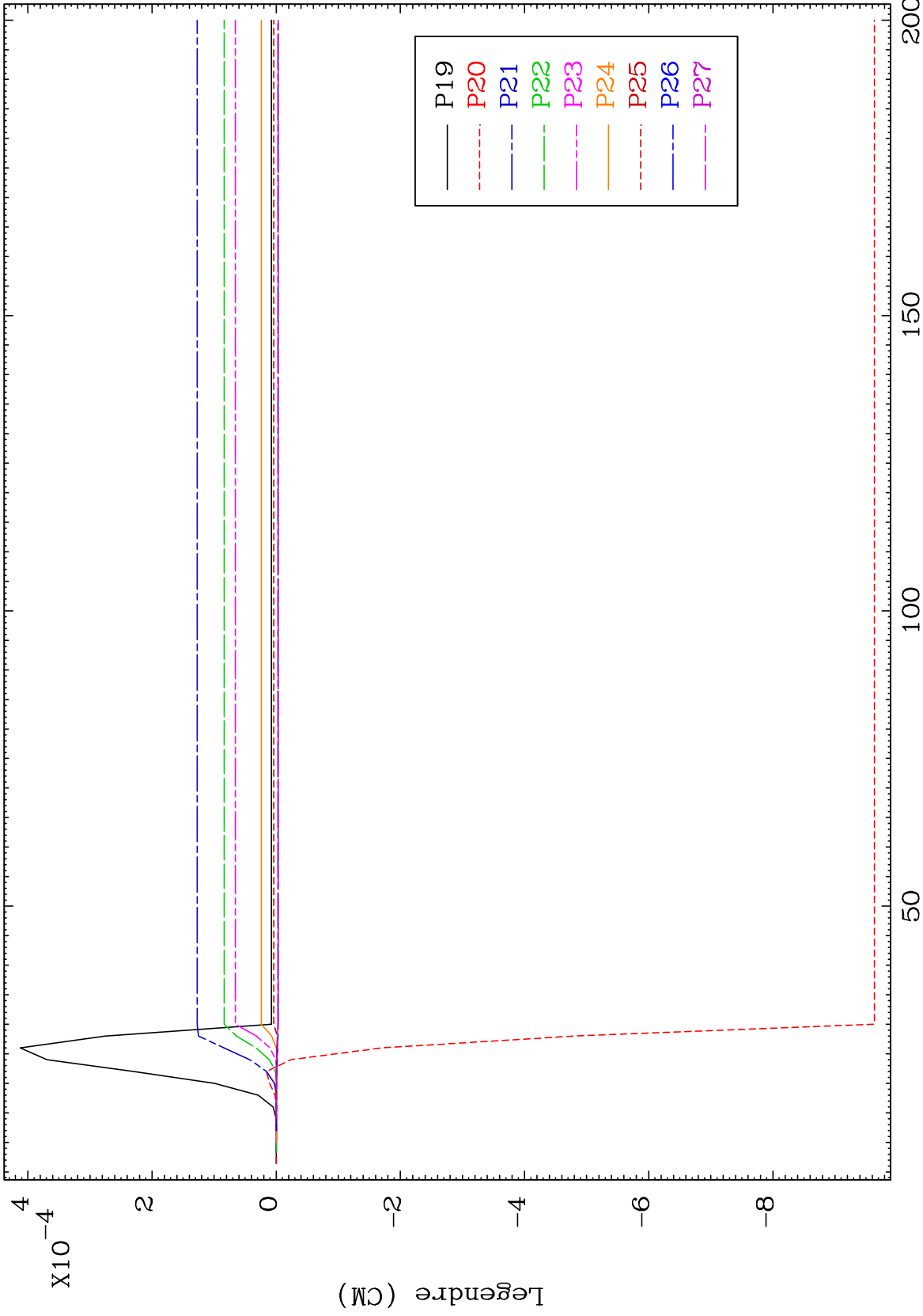
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



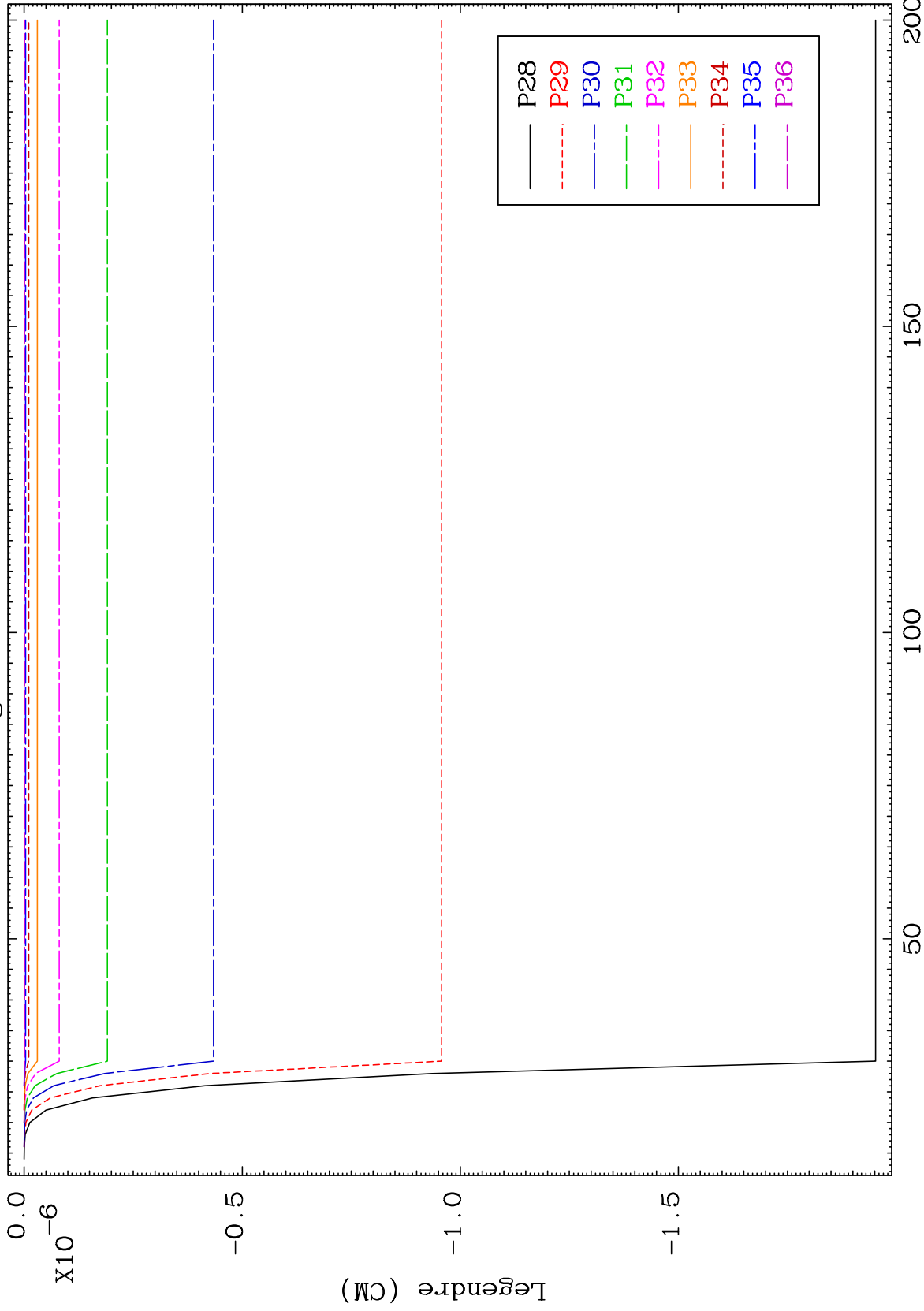
98

83-Bi-214

MAT 8340

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

83-Bi-214



83-Bi-214

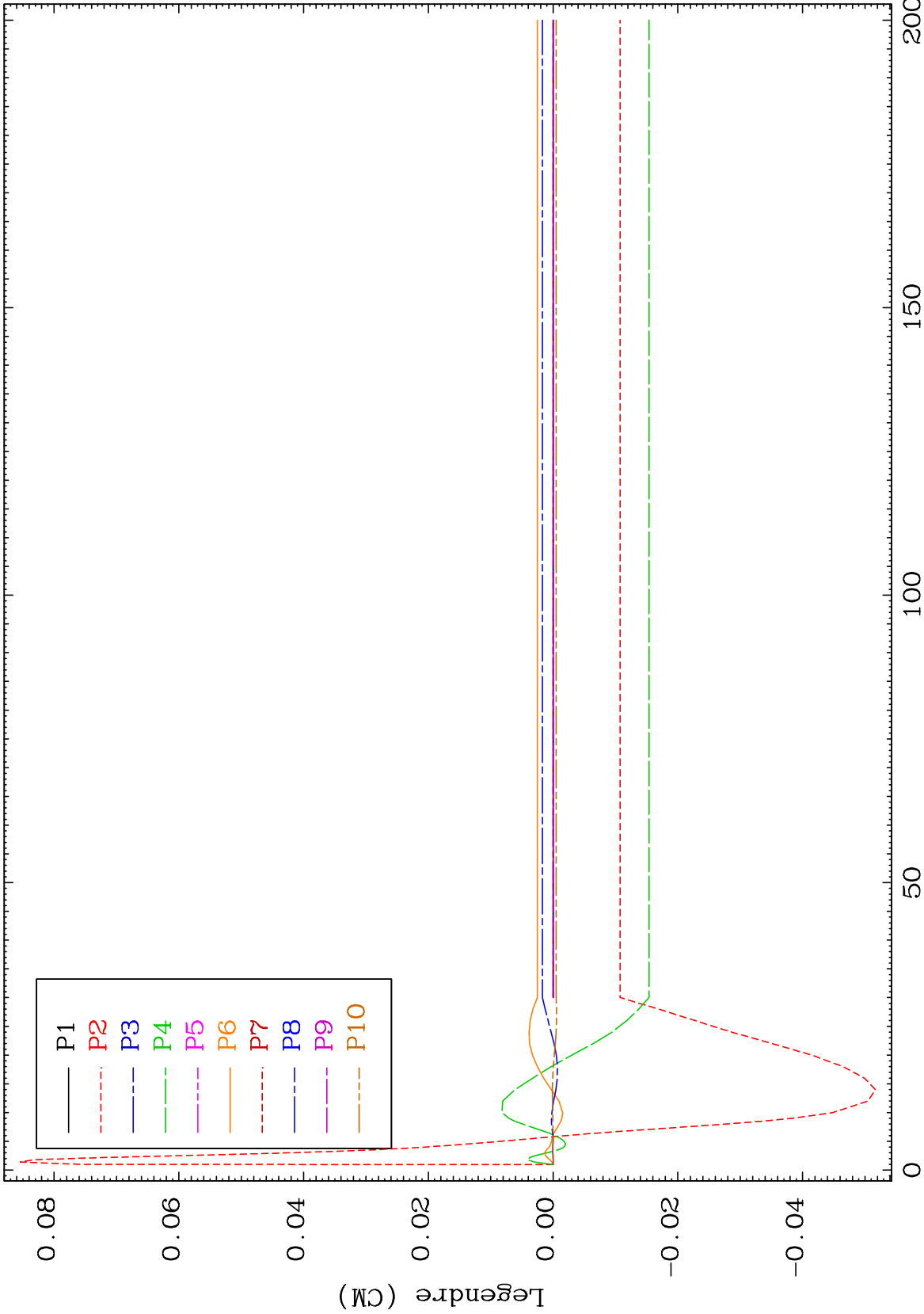
Incident Energy (MeV)

99

MAT 8340

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

83-Bi-214



83-Bi-214

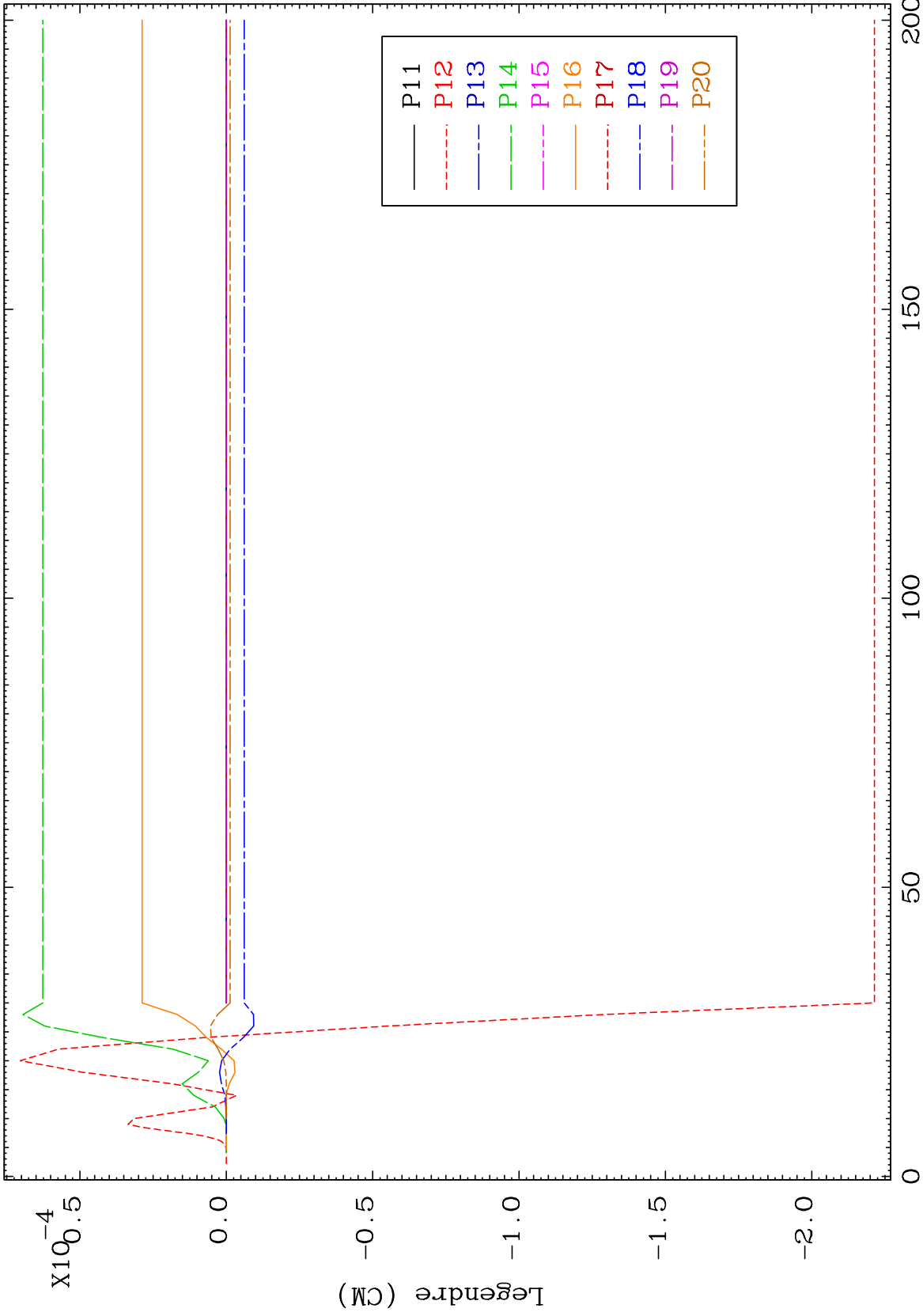
Incident Energy (MeV)

100

MAT 8340

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

83-Bi-214



101

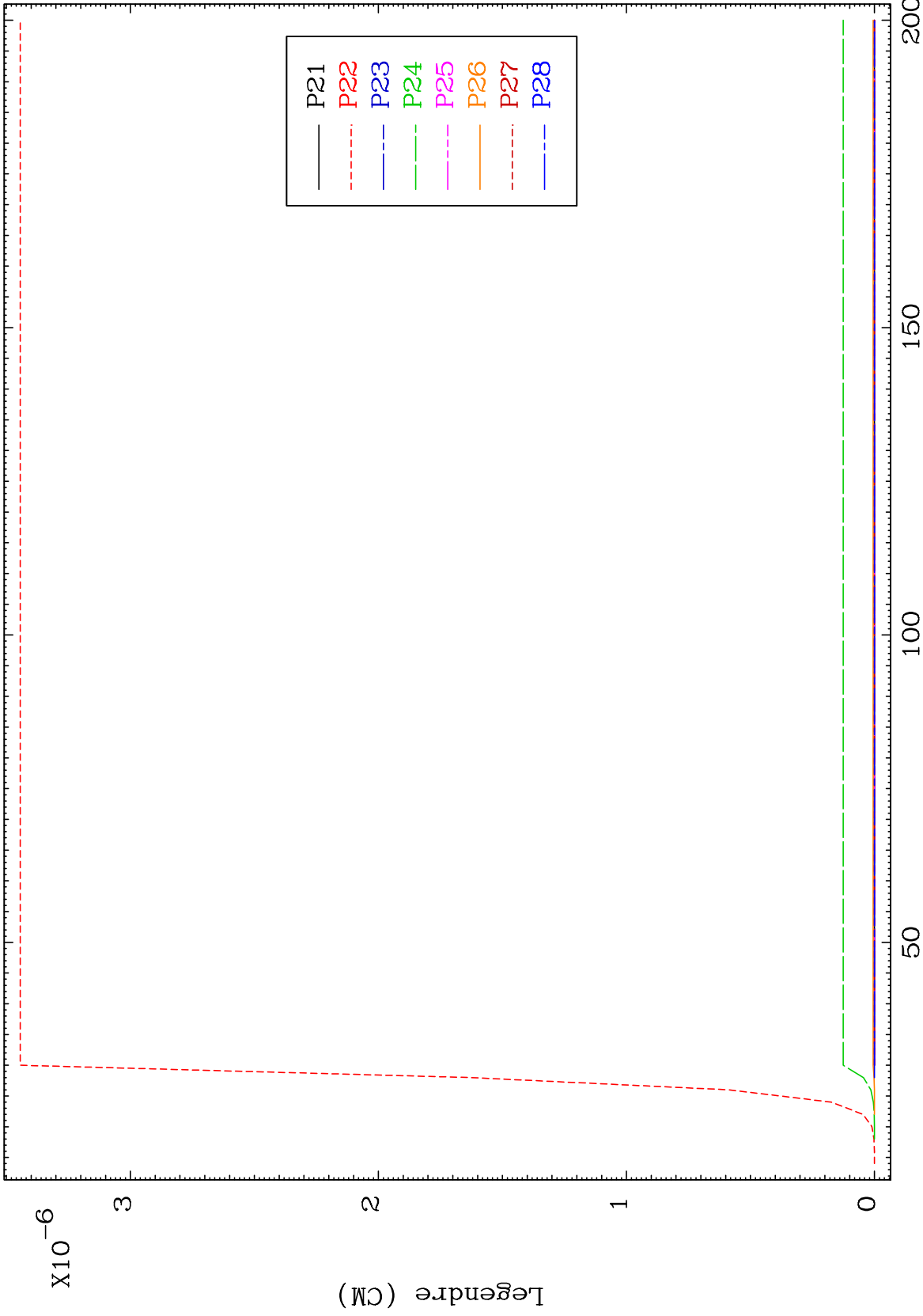
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



102

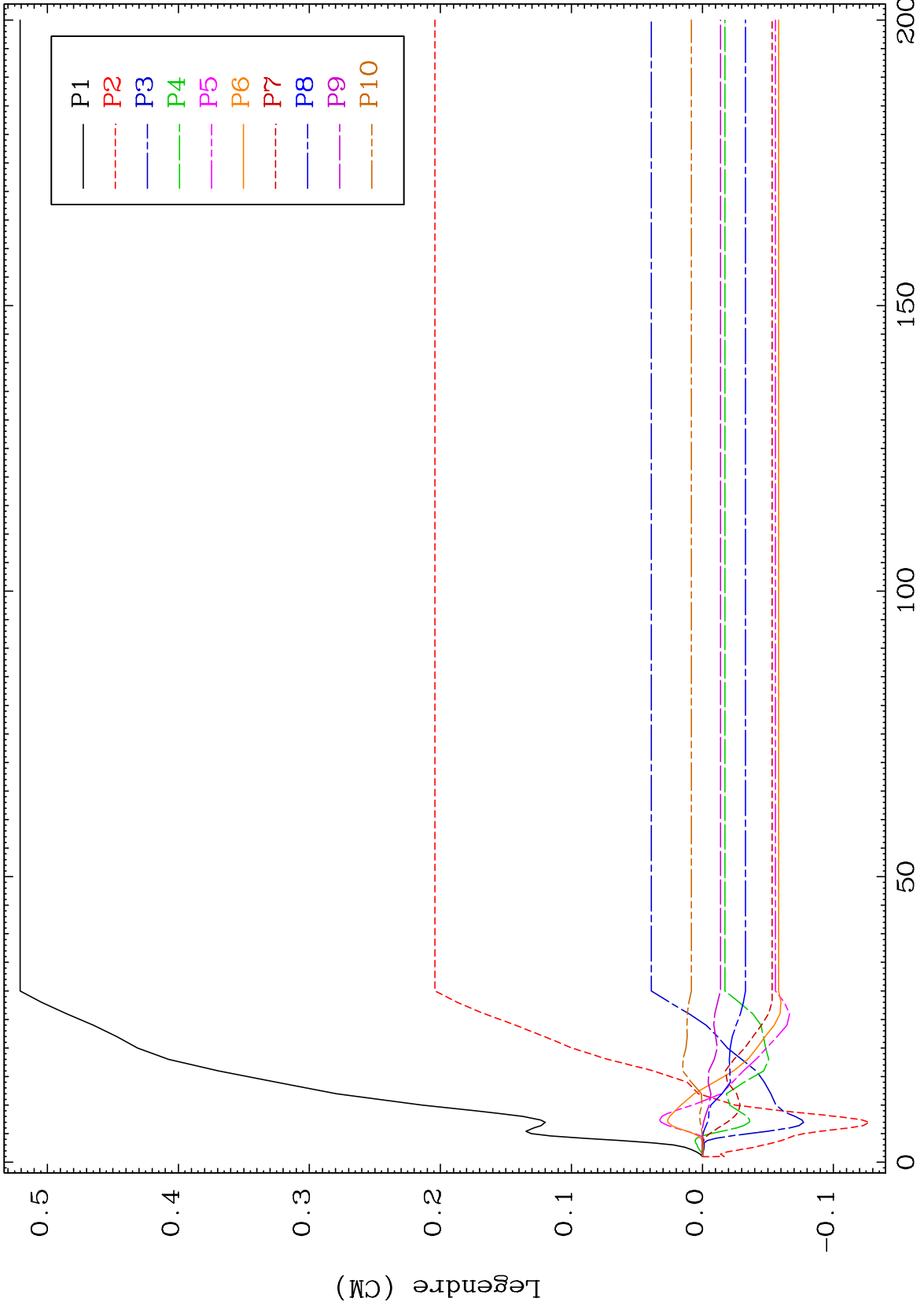
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



103

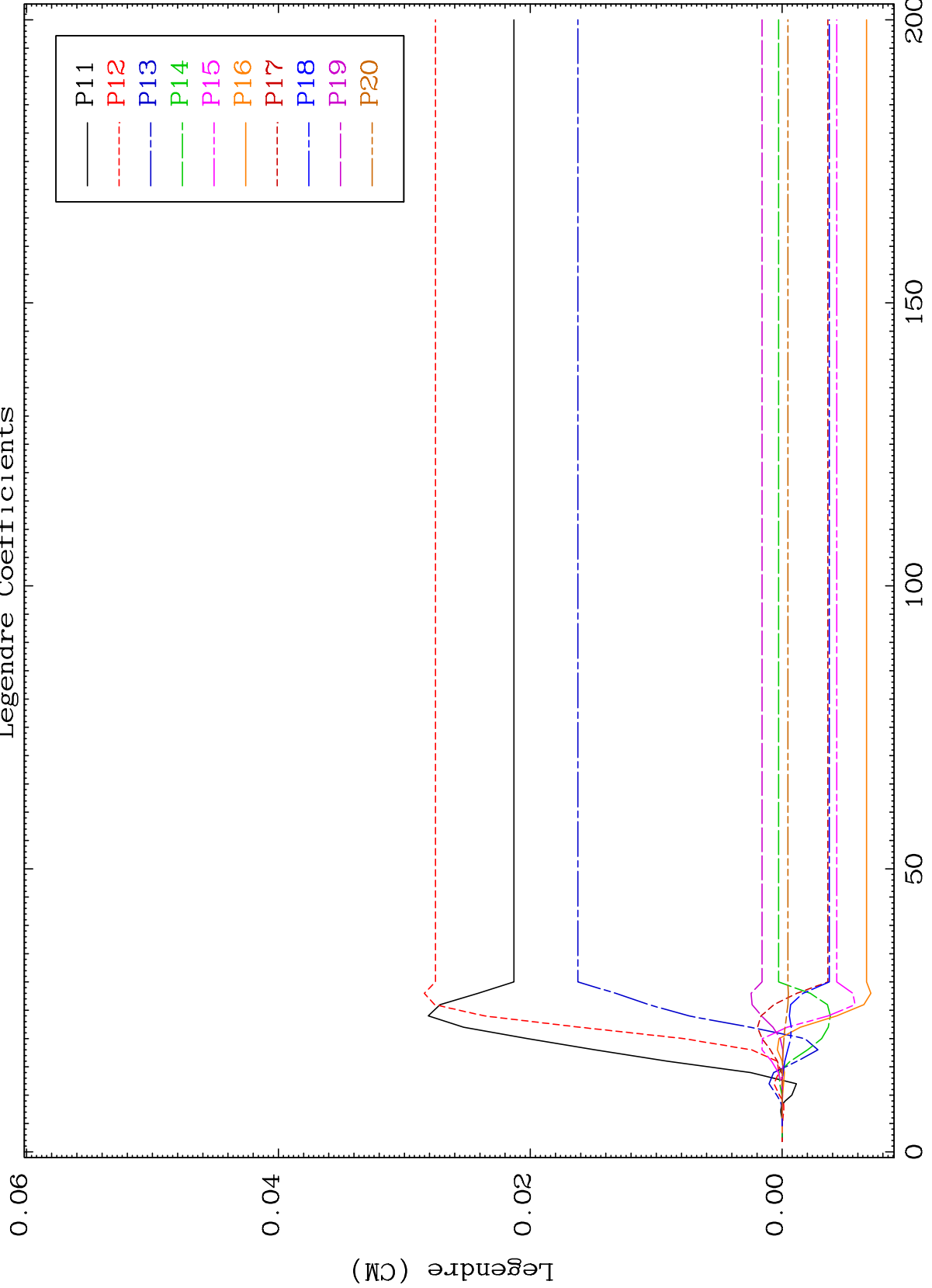
Incident Energy (MeV)

83-Bi-214

MAT 8340 MT= 75 (n,n') Level Legendre Coefficients

83-Bi-214

83-Bi-214

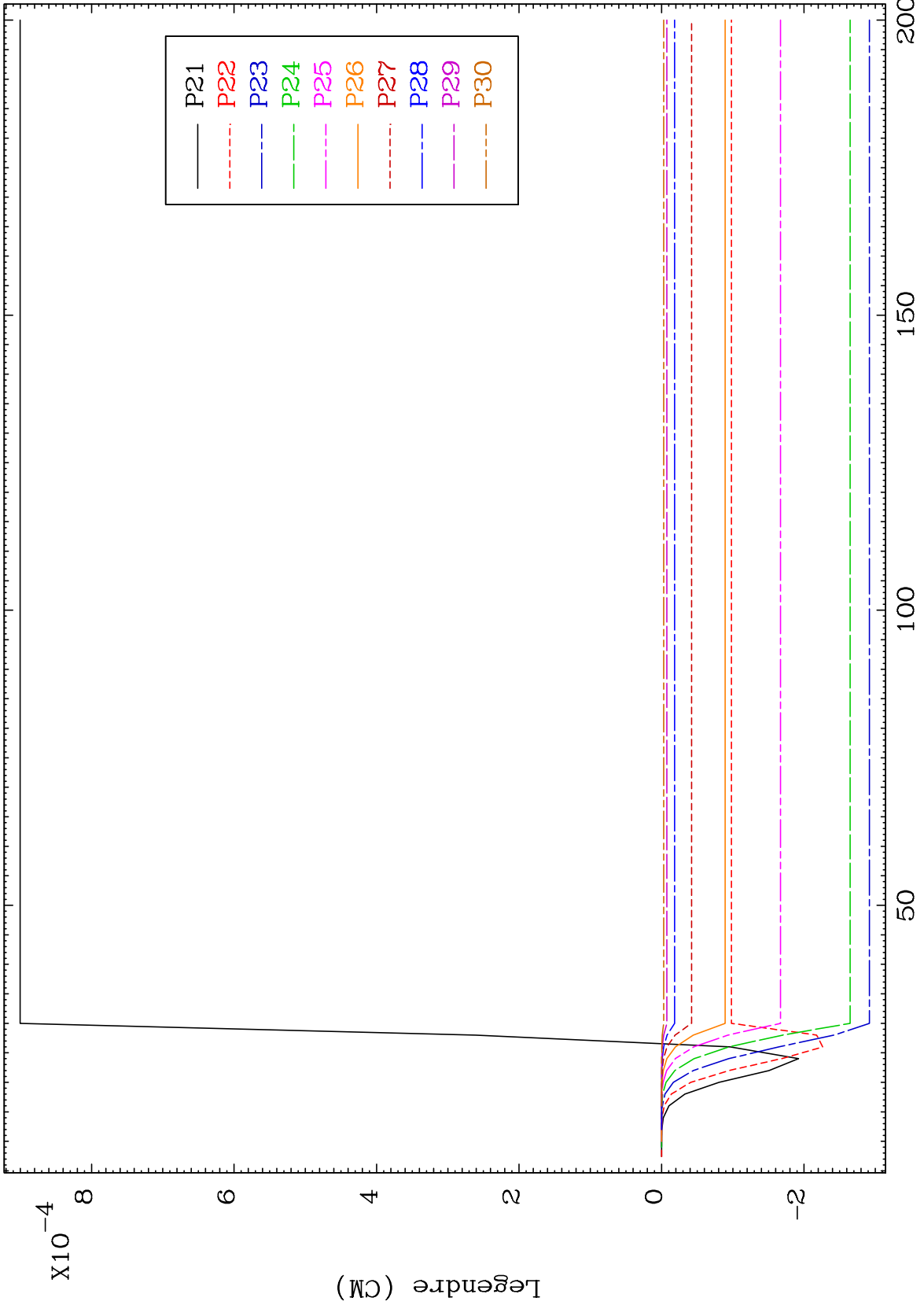


104

MAT 8340

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

83-Bi-214



105

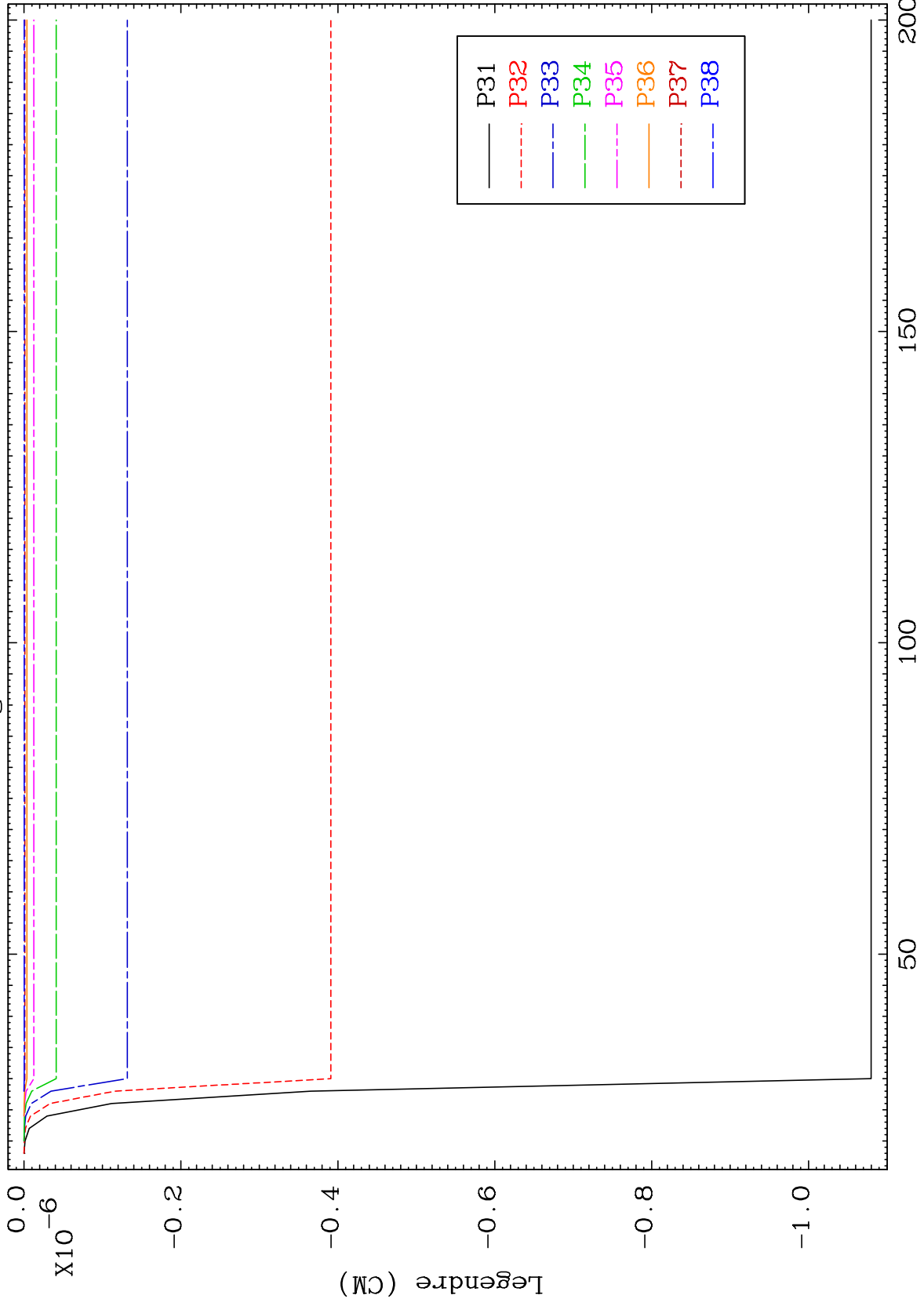
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



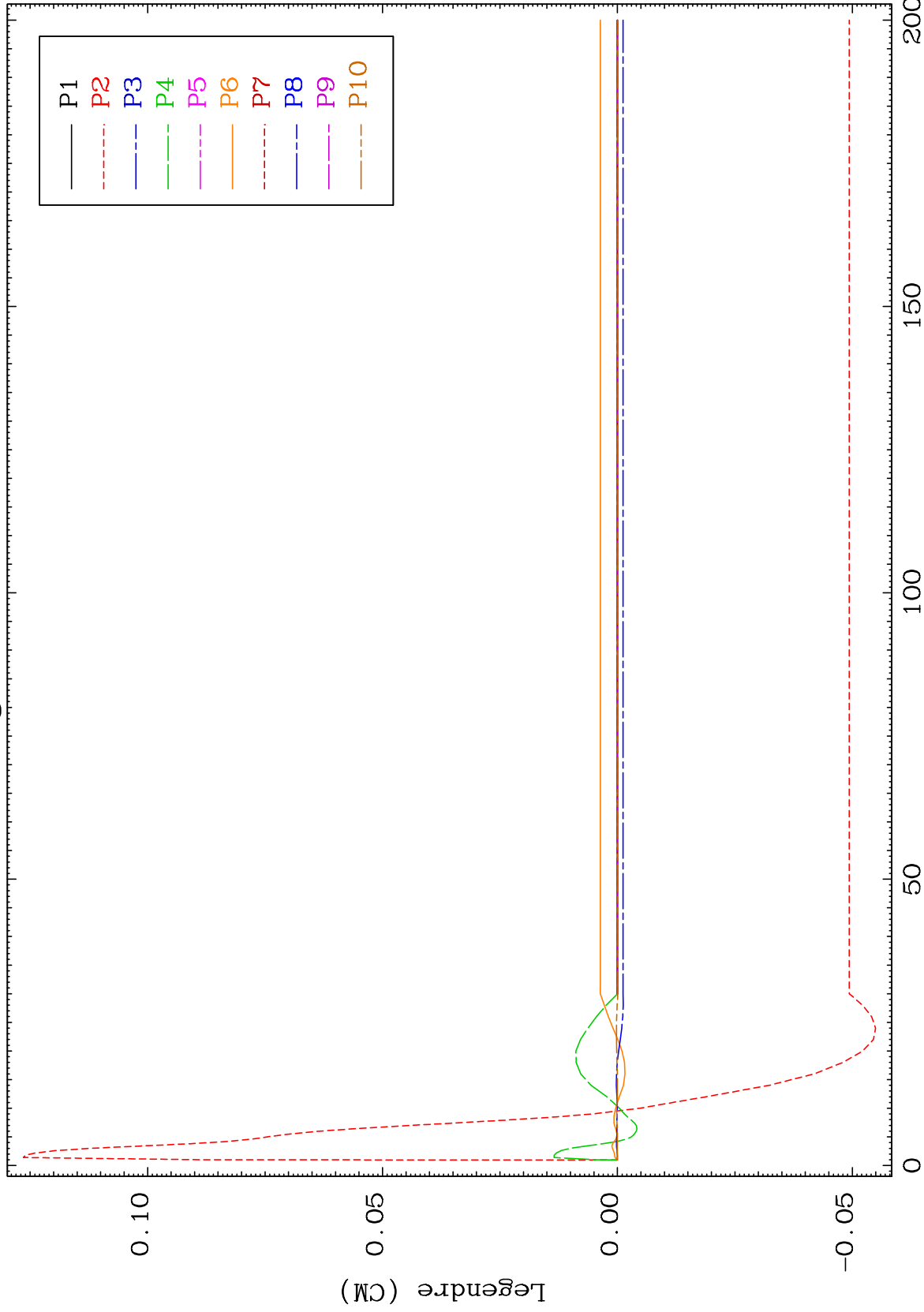
106

83-Bi-214

MAT 8340

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

83-Bi-214



107

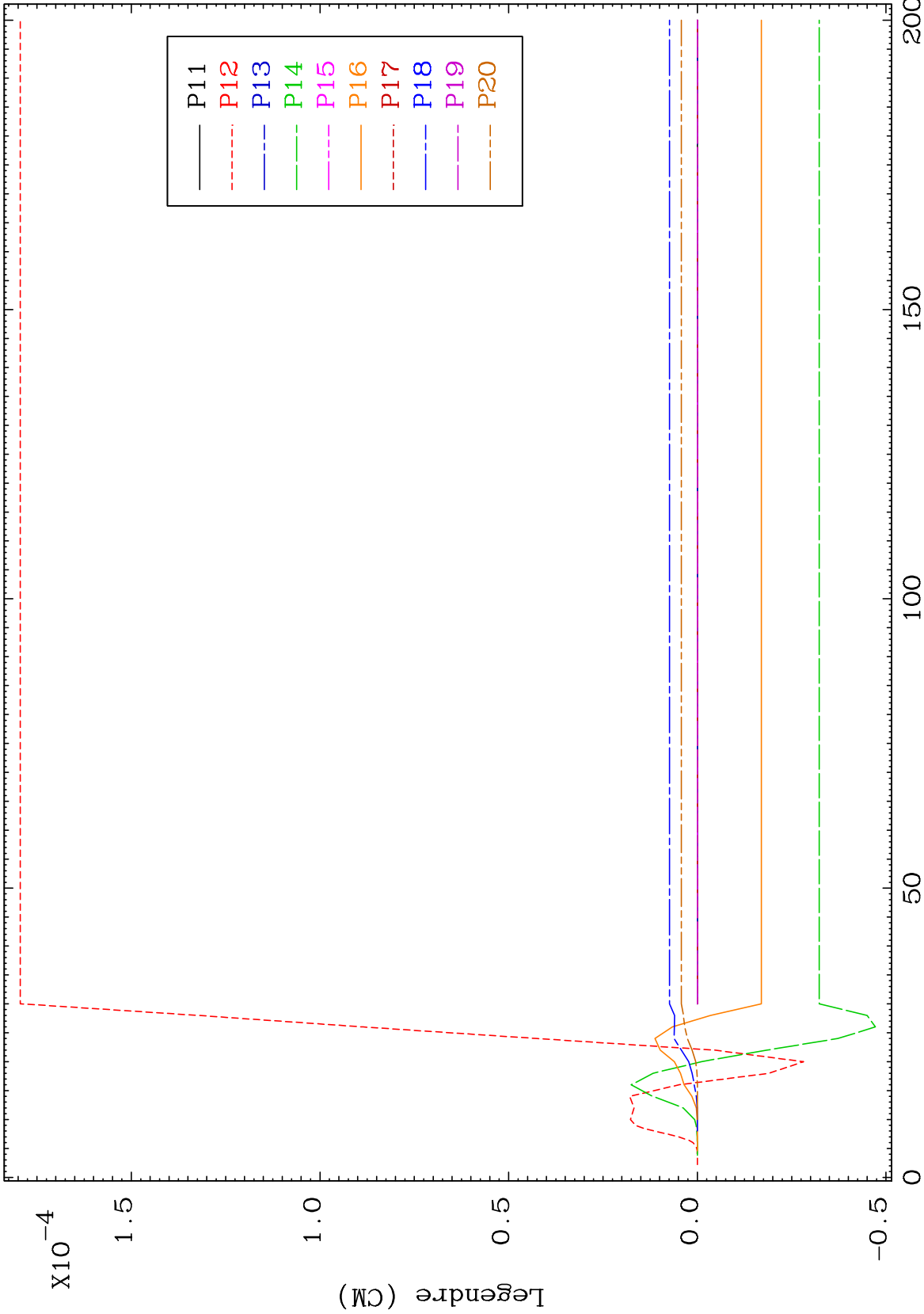
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



108

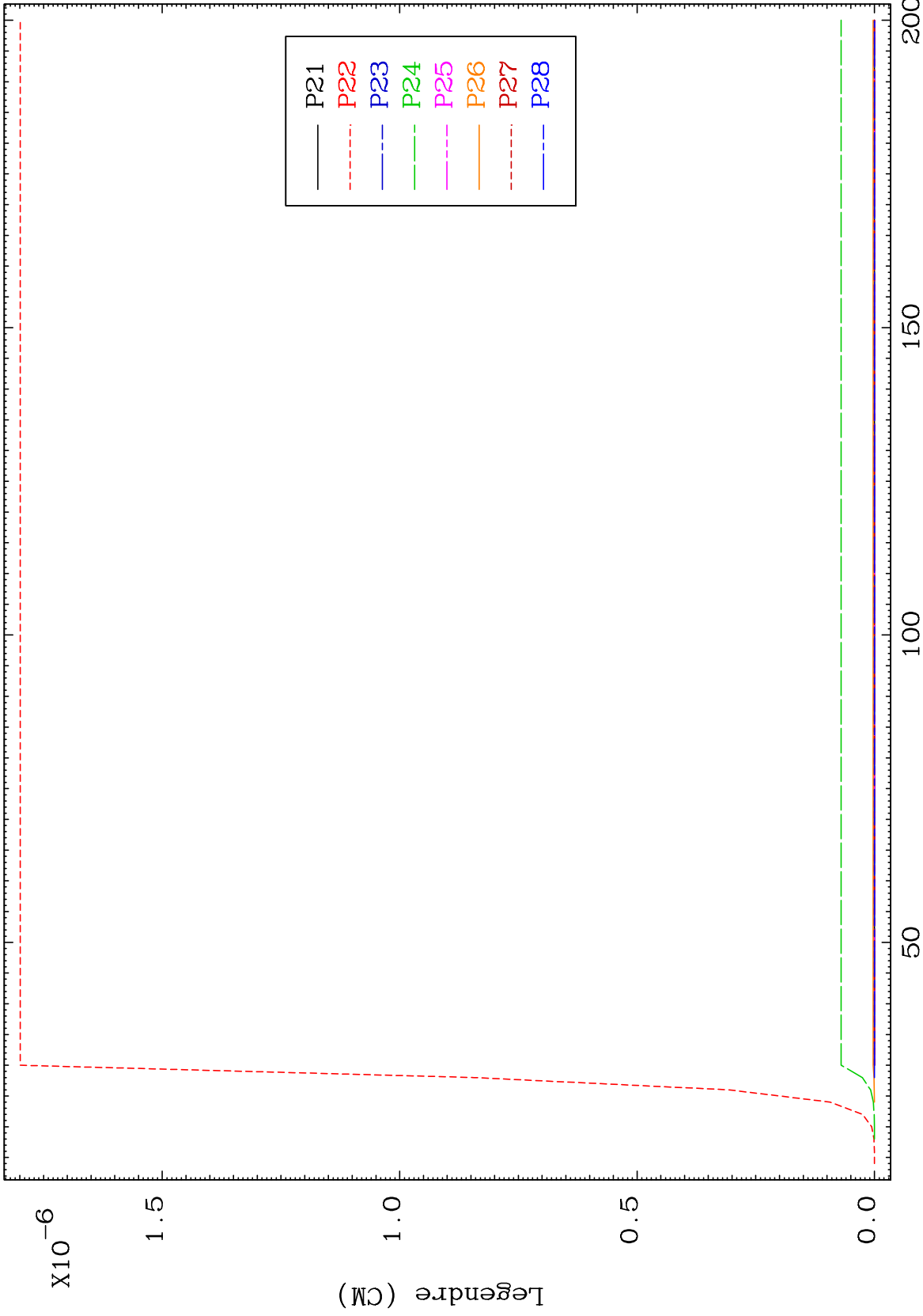
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



109

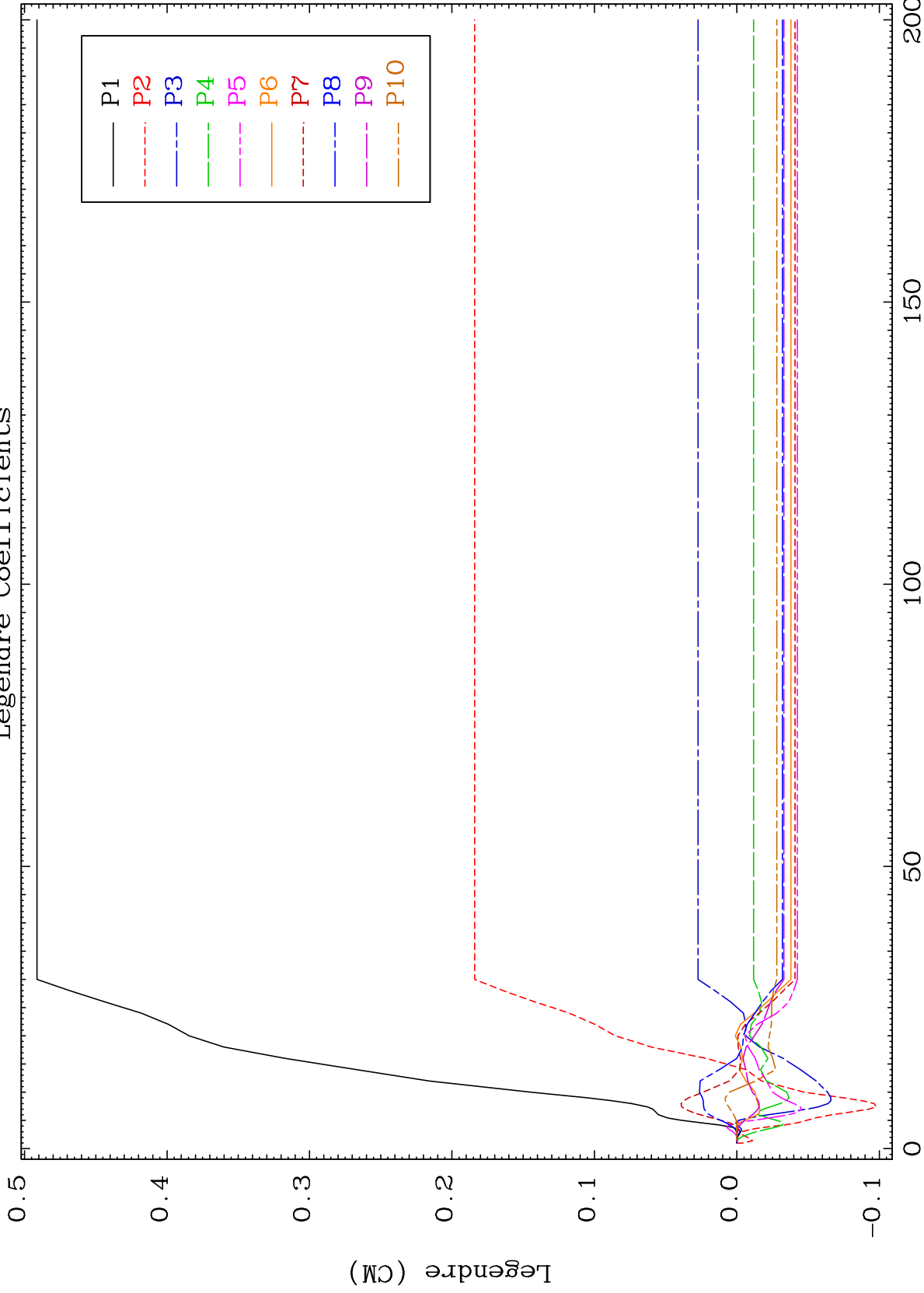
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



110

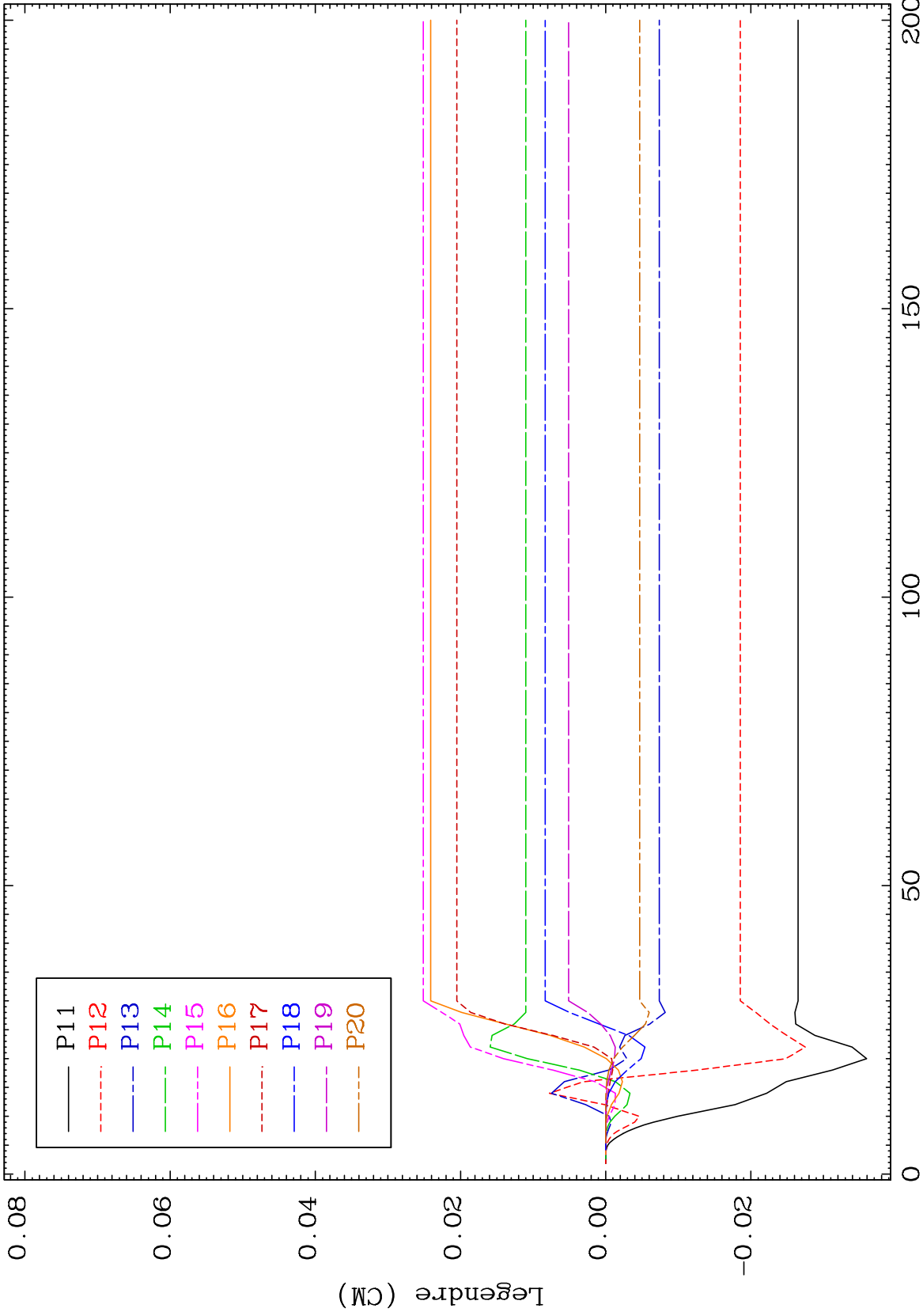
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



111

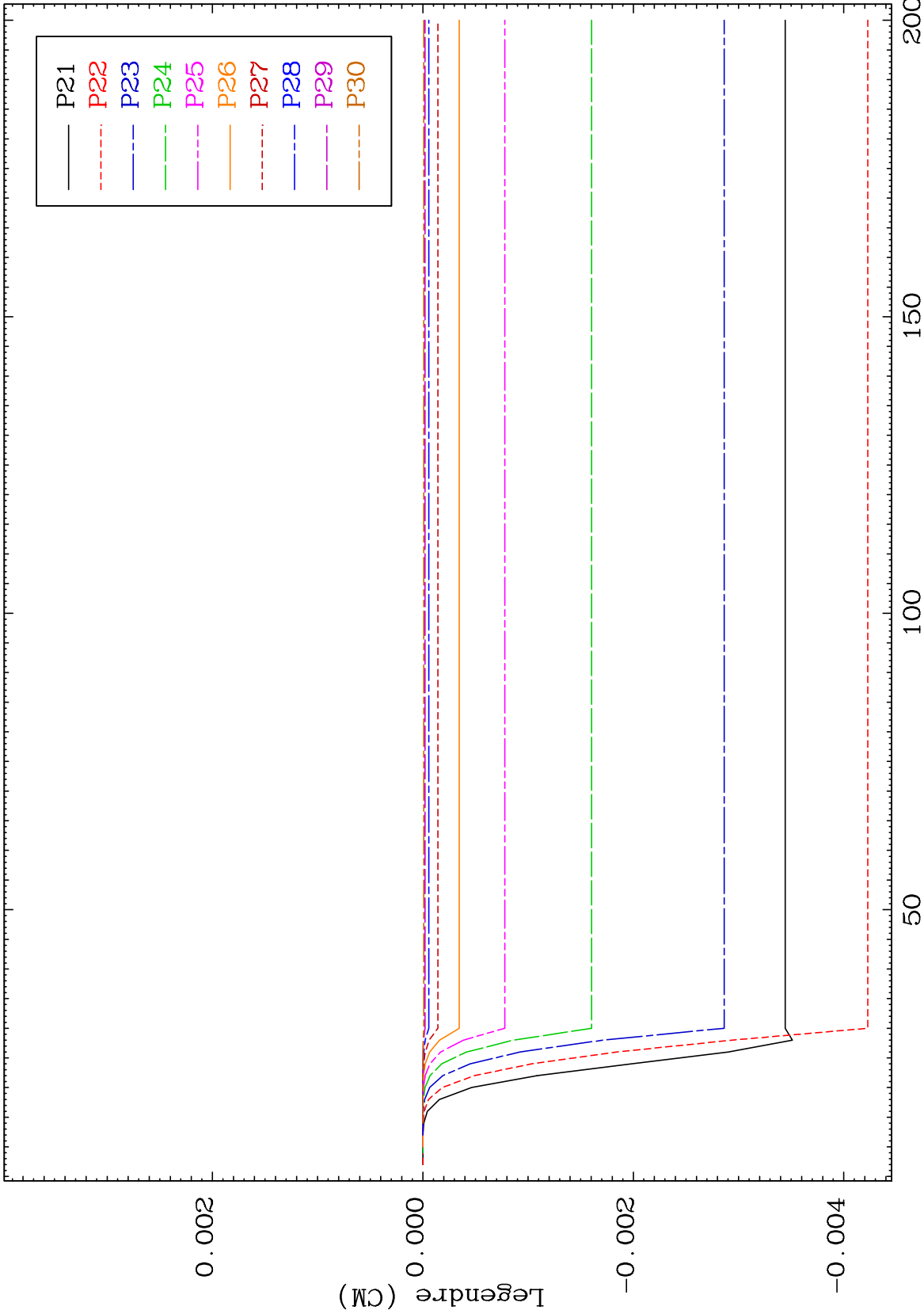
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



112

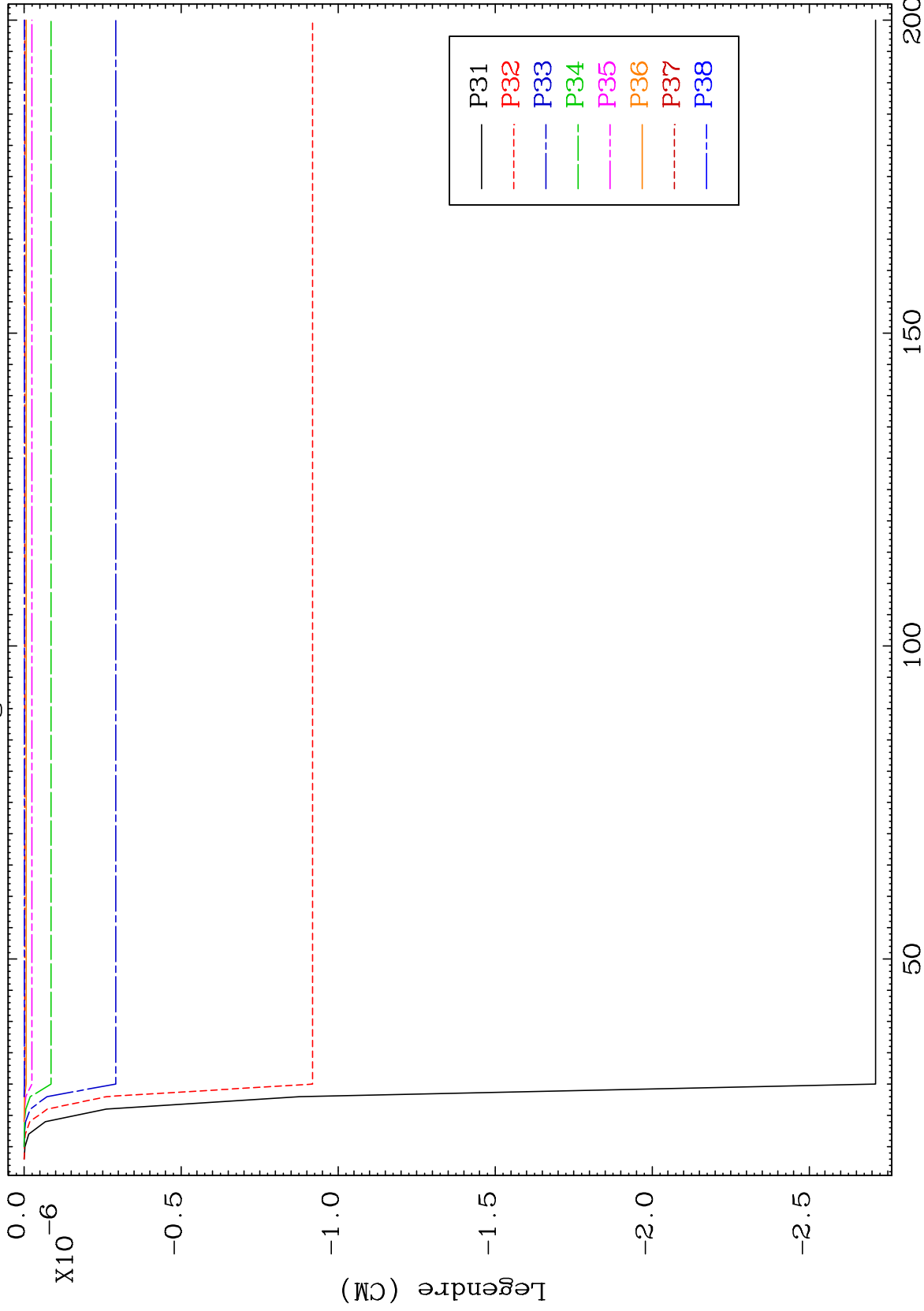
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



113

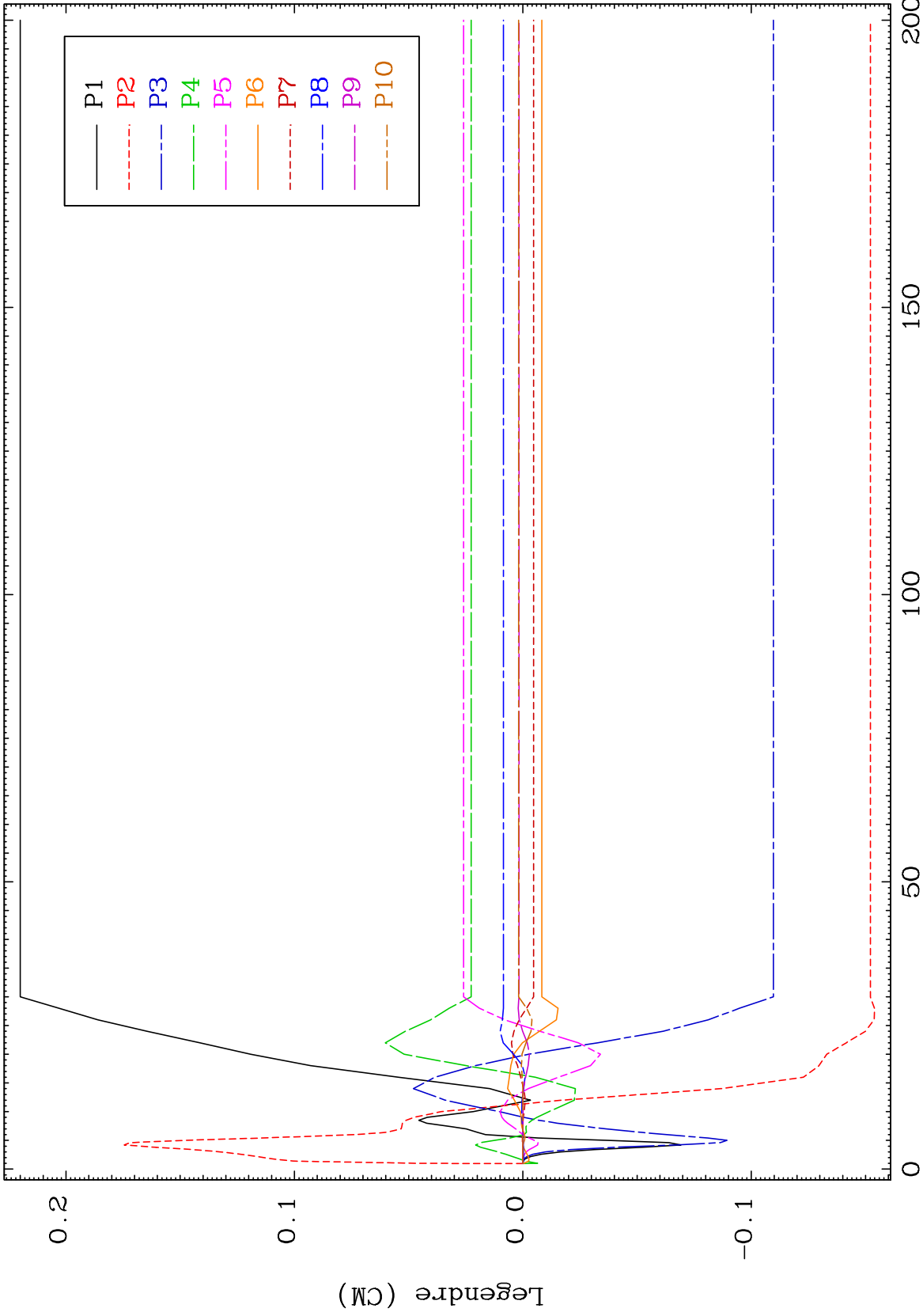
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



114

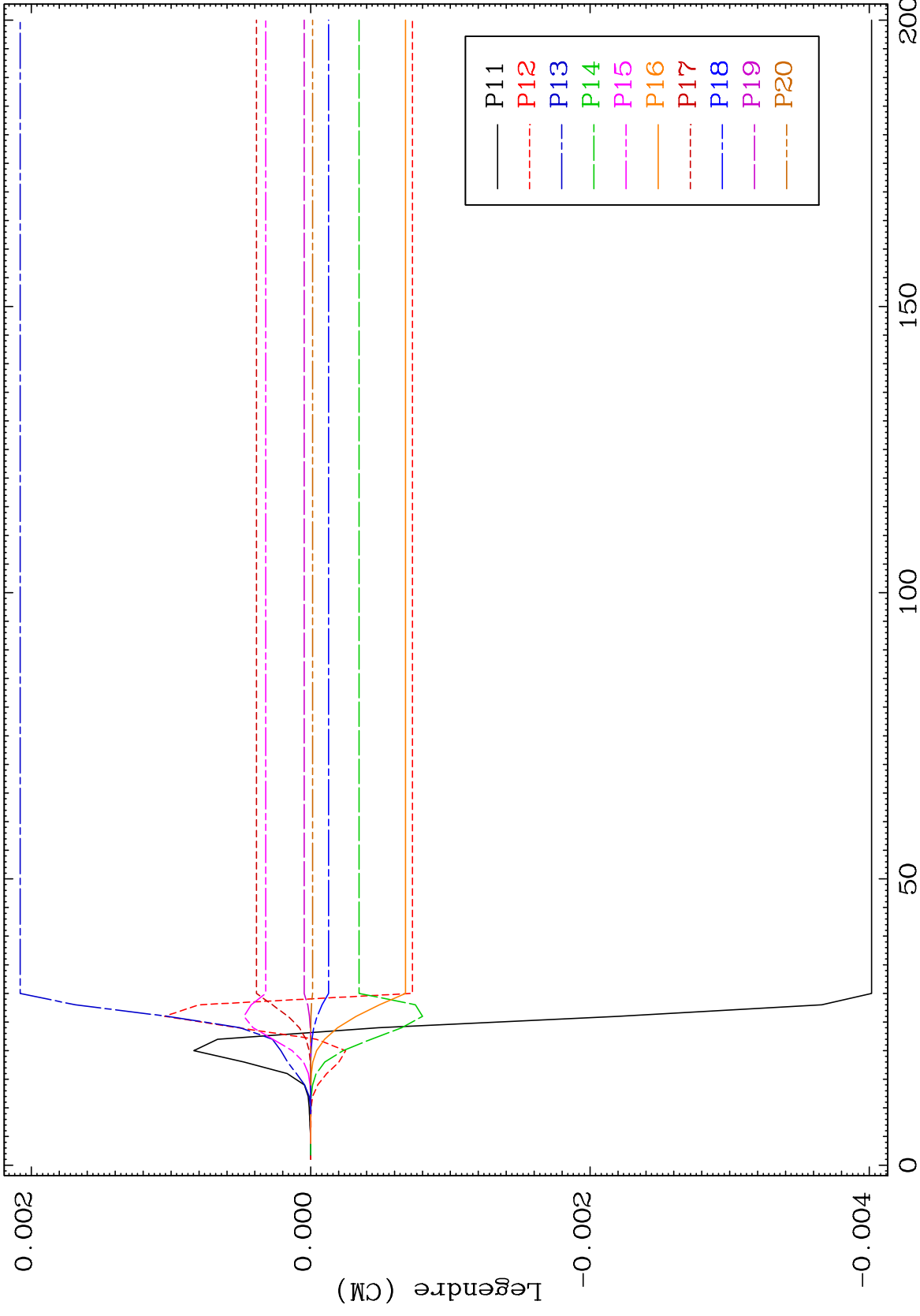
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



115

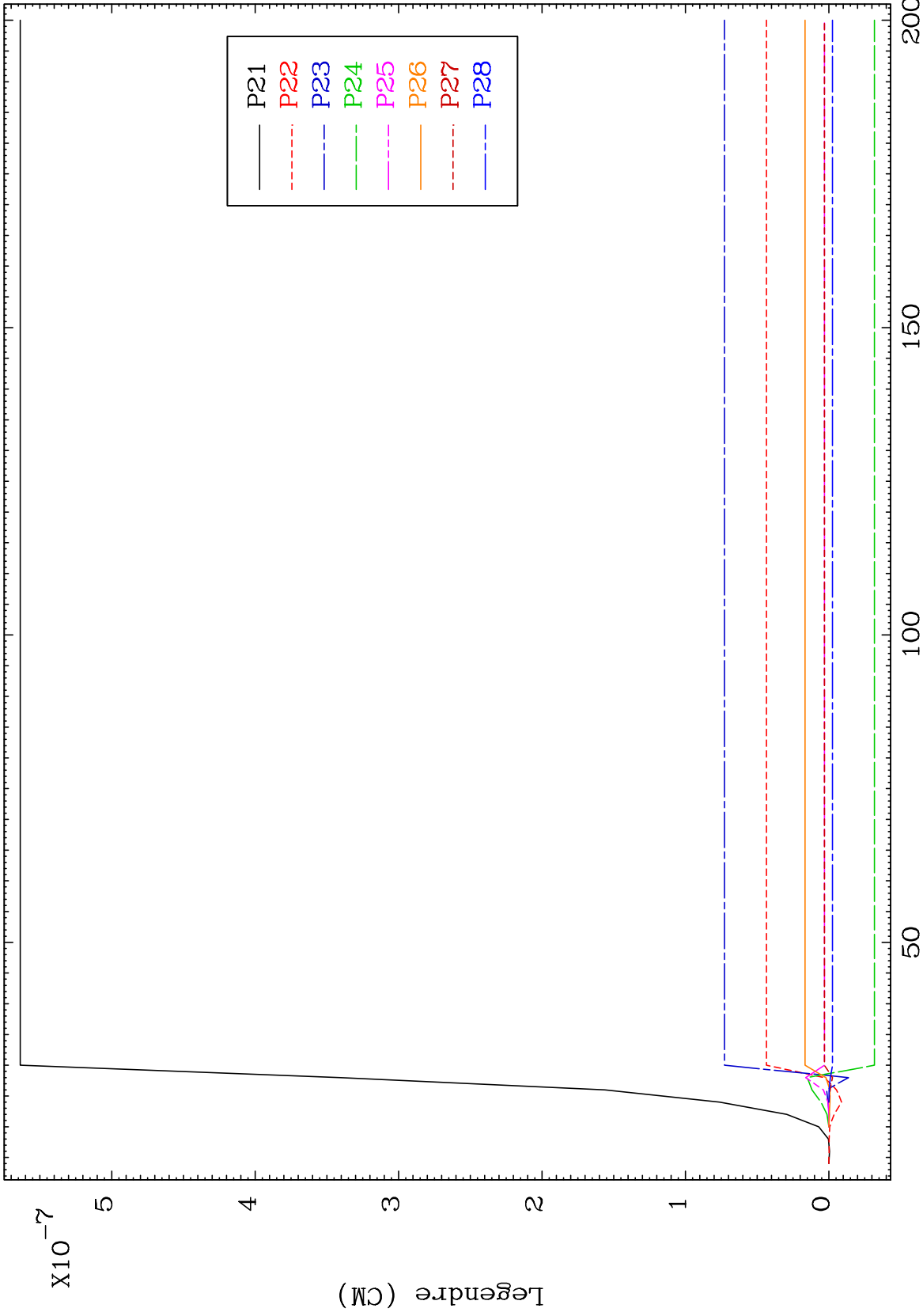
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



116

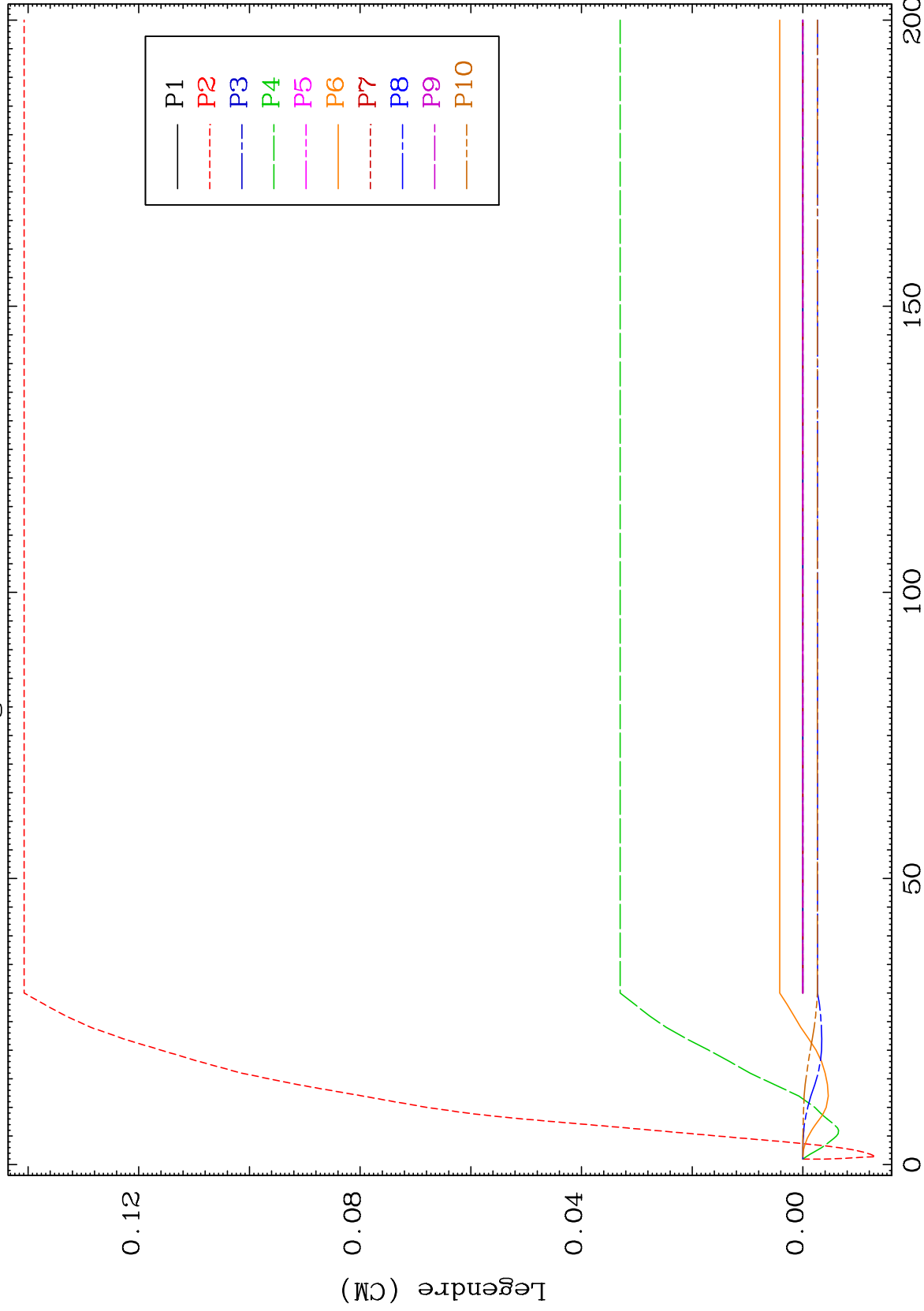
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



117

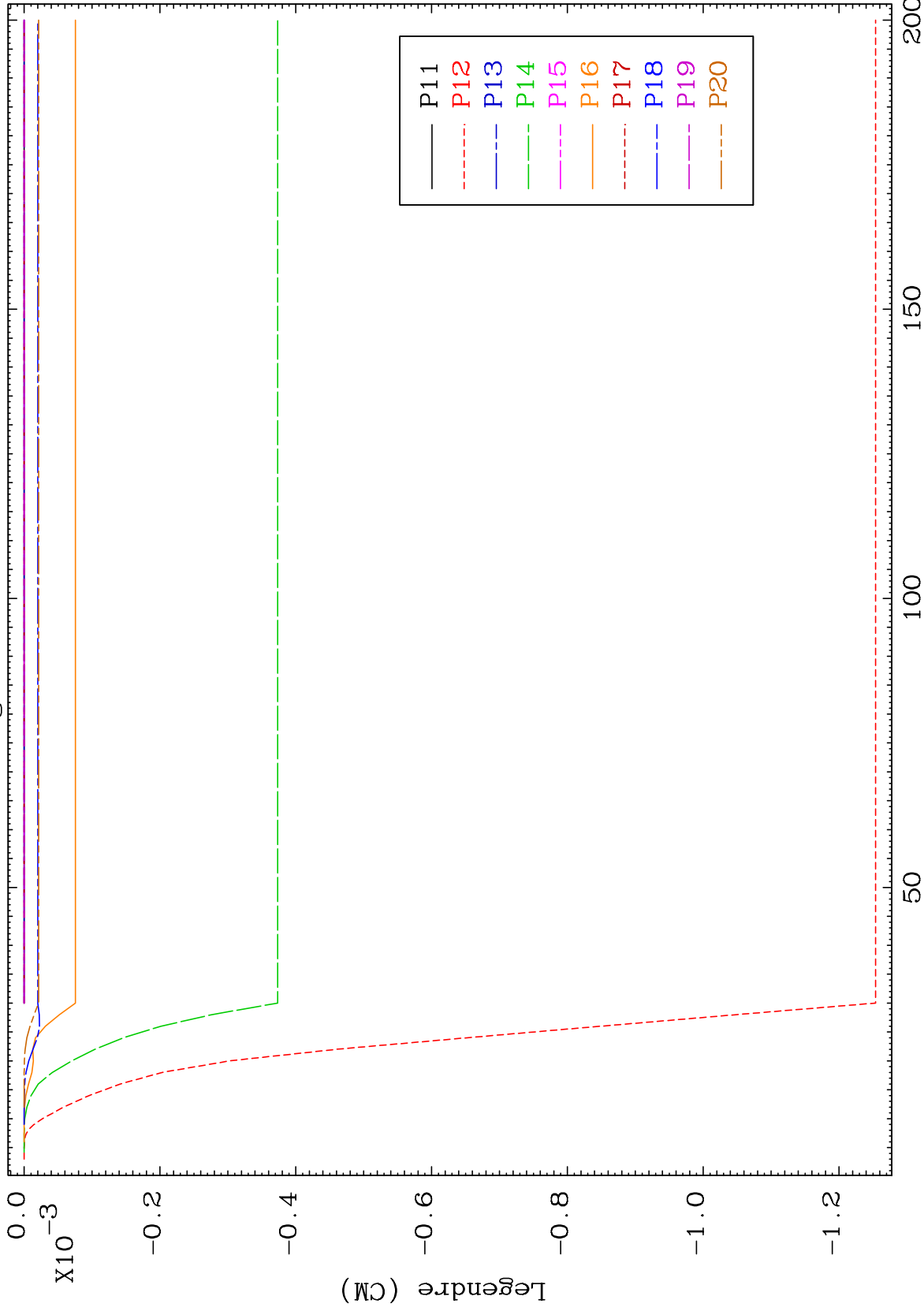
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

83-Bi-214



118

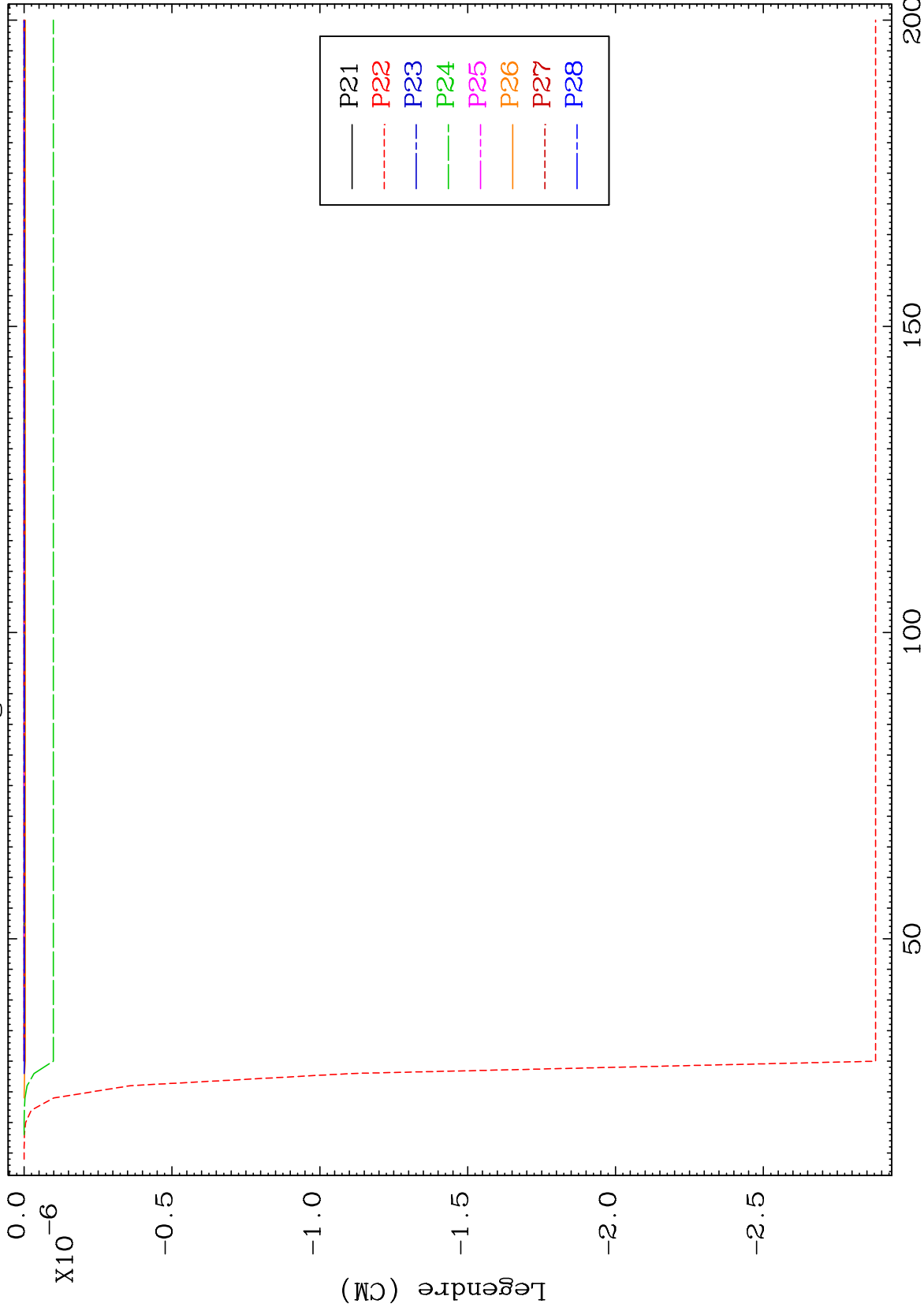
Incident Energy (MeV)

83-Bi-214

MAT 8340

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

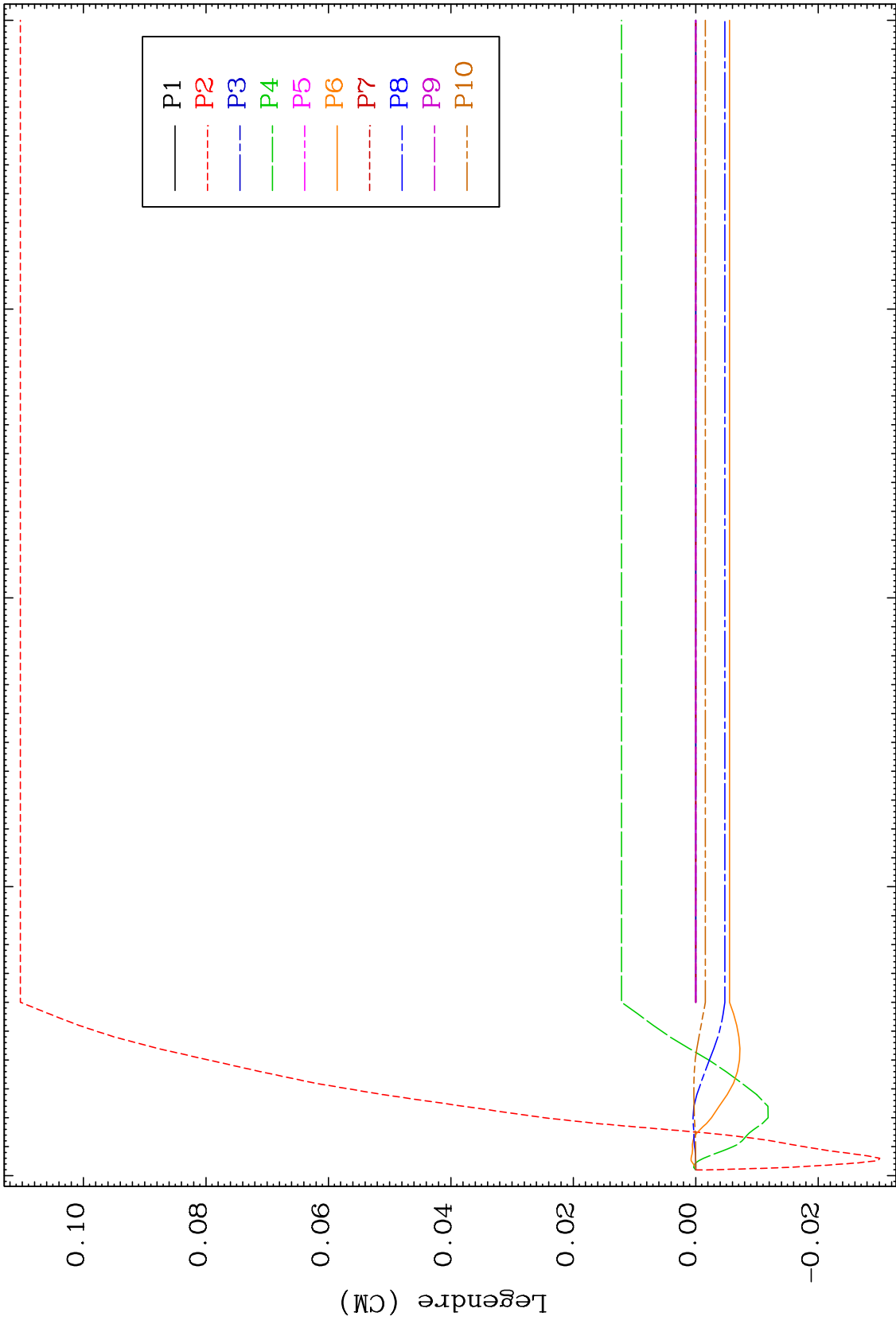
83-Bi-214



119

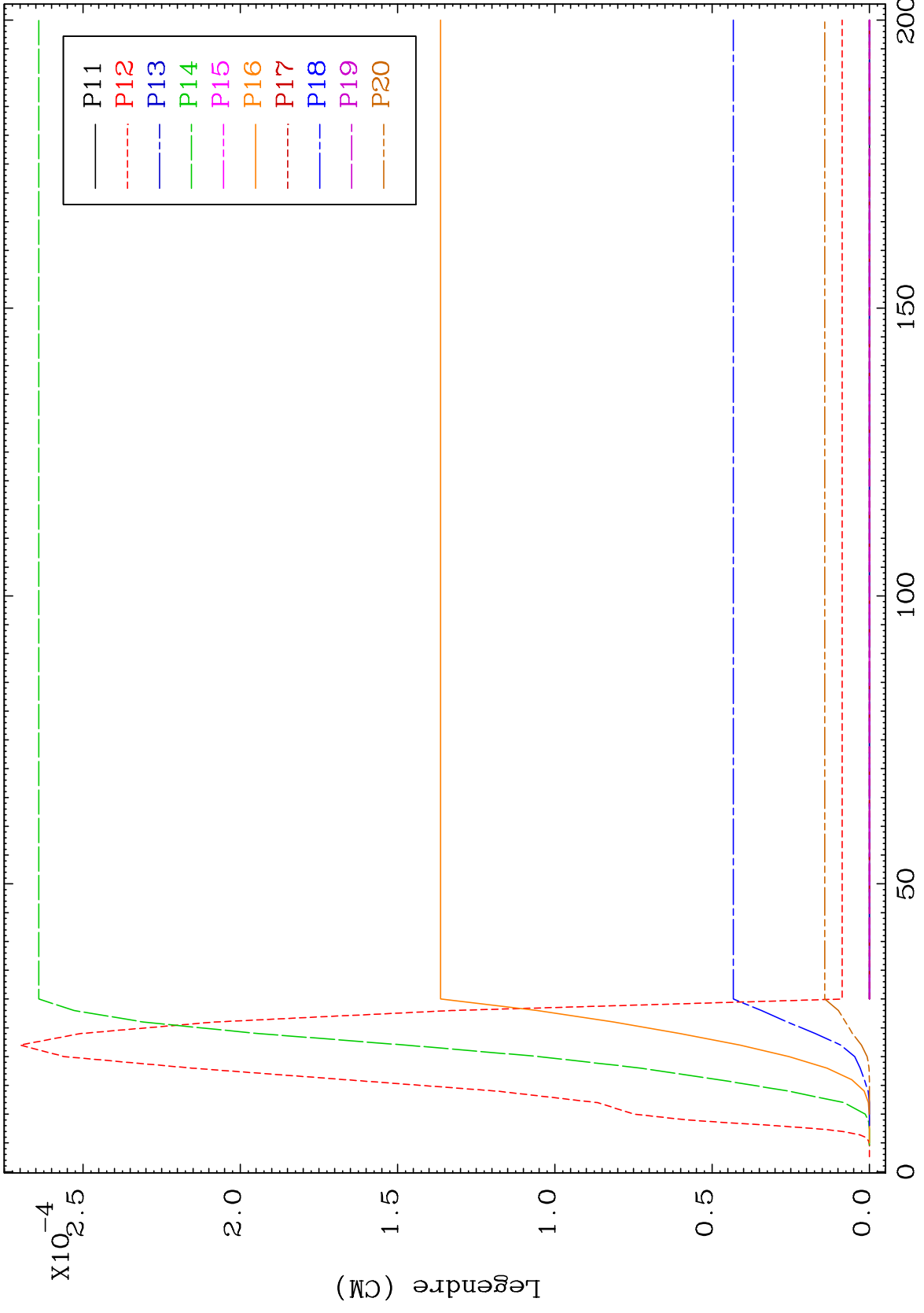
83-Bi-214

MAT 8340 MT= 80 (n,n') Level Legendre Coefficients 83-Bi-214



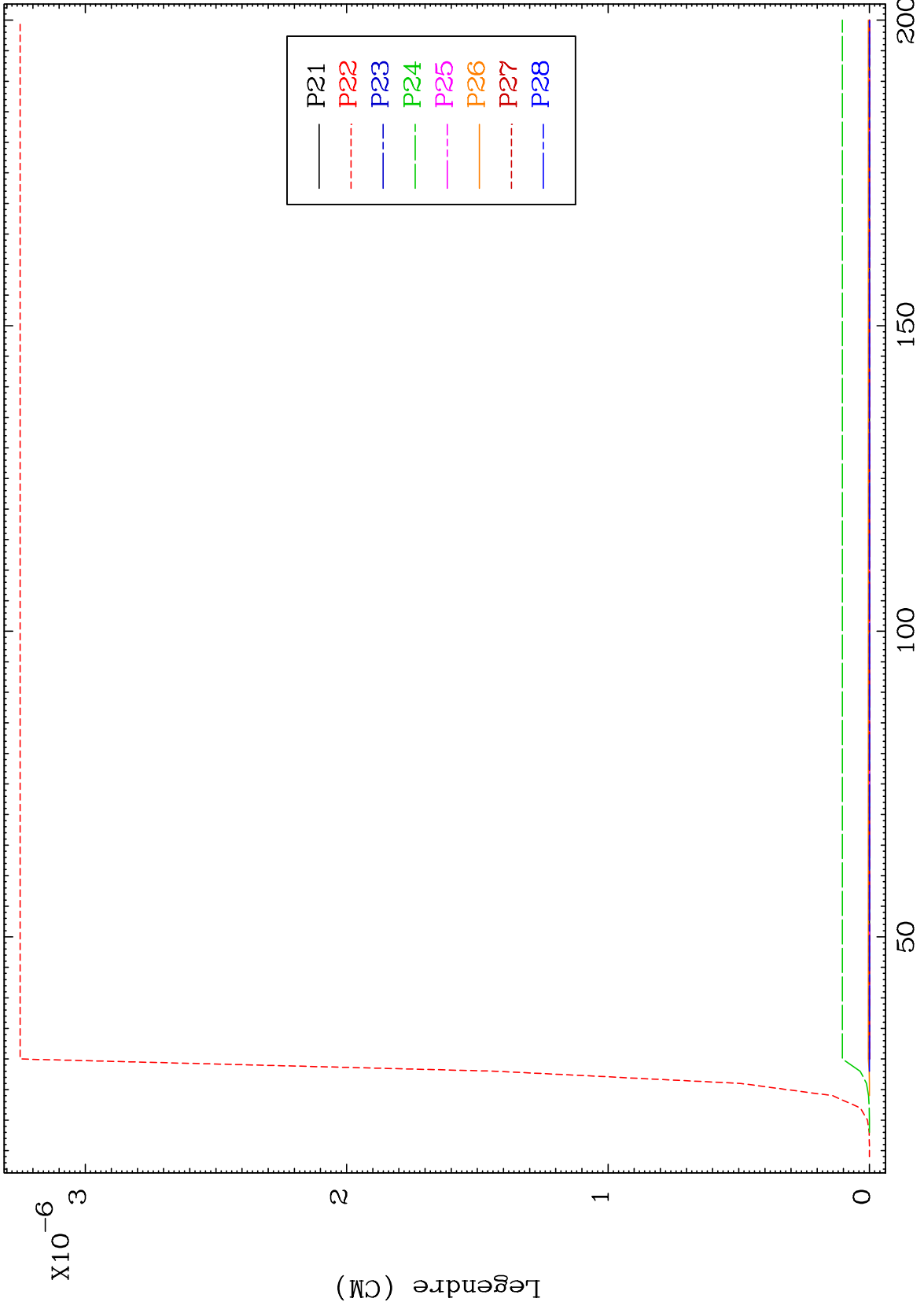
83-Bi-214

MAT 8340 MT= 80 (n,n') Level Legendre Coefficients 83-Bi-214



121 83-Bi-214

MAT 8340 MT= 80 (n,n') Level Legendre Coefficients 83-Bi-214



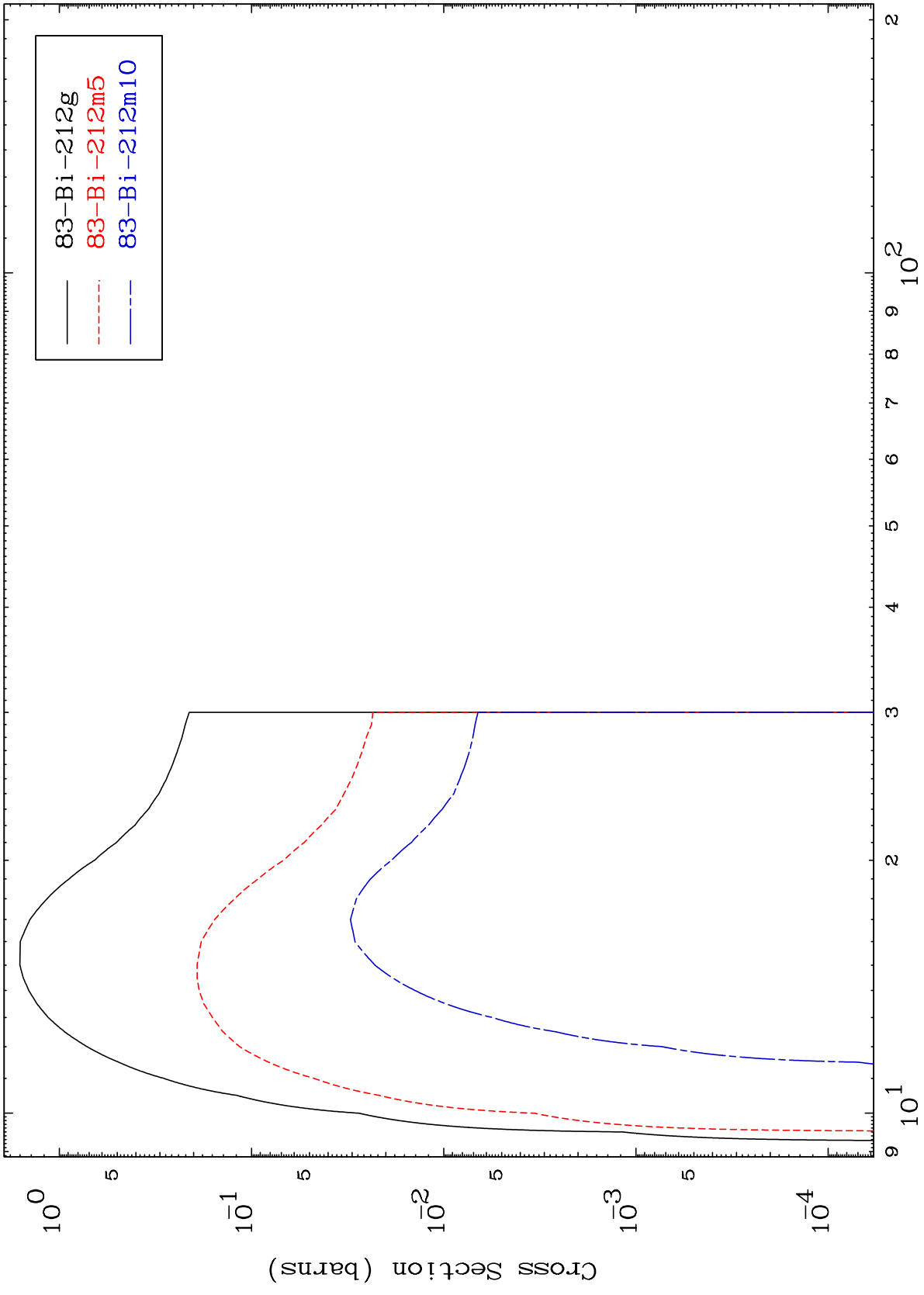
122 Incident Energy (MeV) 83-Bi-214

MAT 8340

(n,3n)

83-Bi-214

Radionuclide Production Cross Section



123

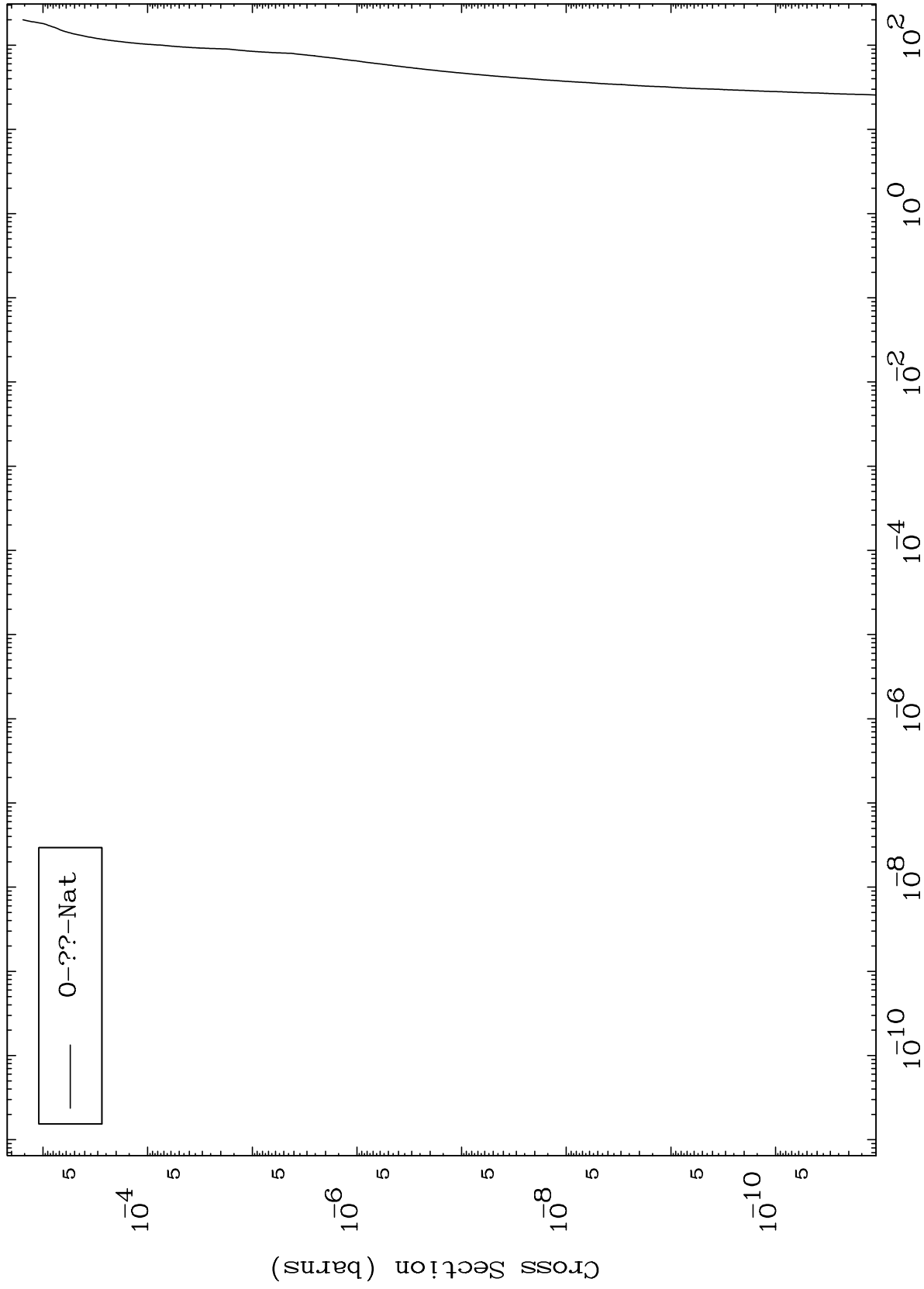
Incident Energy (MeV)

83-Bi-214

MAT 8340

Fission
Radionuclide Production Cross Section

83-Bi-214



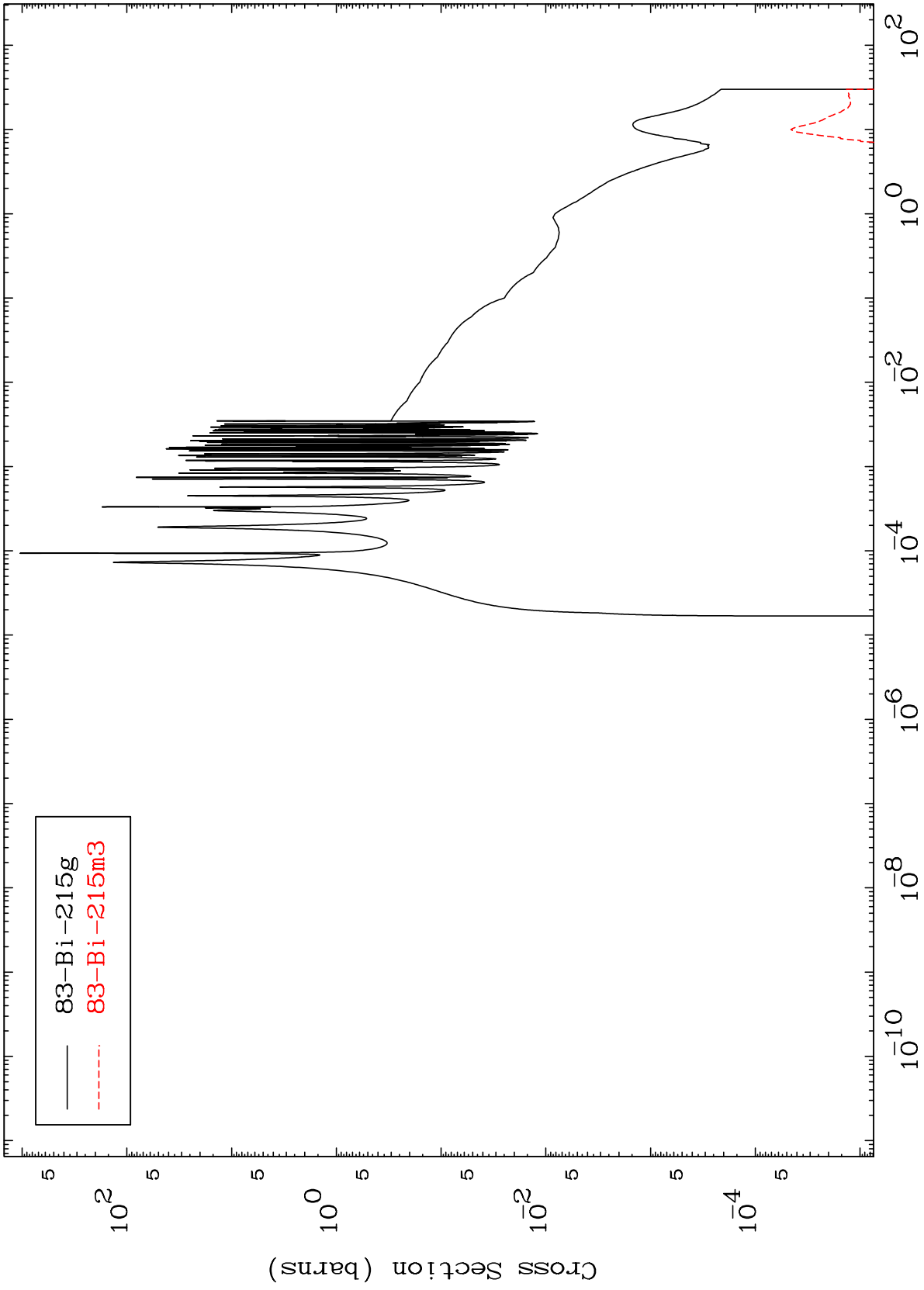
124

83-Bi-214

MAT 8340

83-Bi-214

(n,γ)
Radionuclide Production Cross Section



125

83-Bi-214