

Program EVALPLOT
(Version 2018-1)

by

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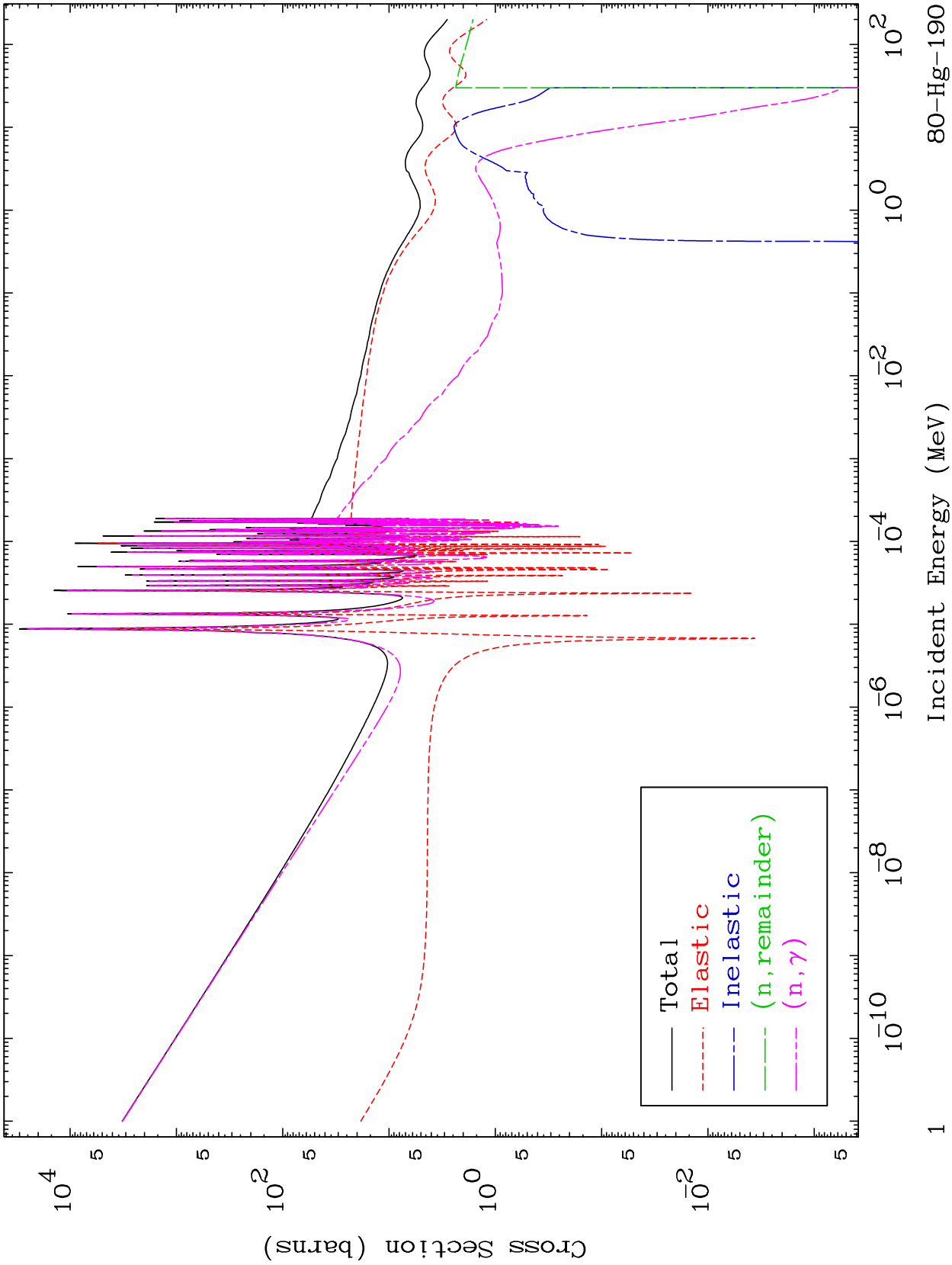
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8007

Major
293 Kelvin Cross Sections

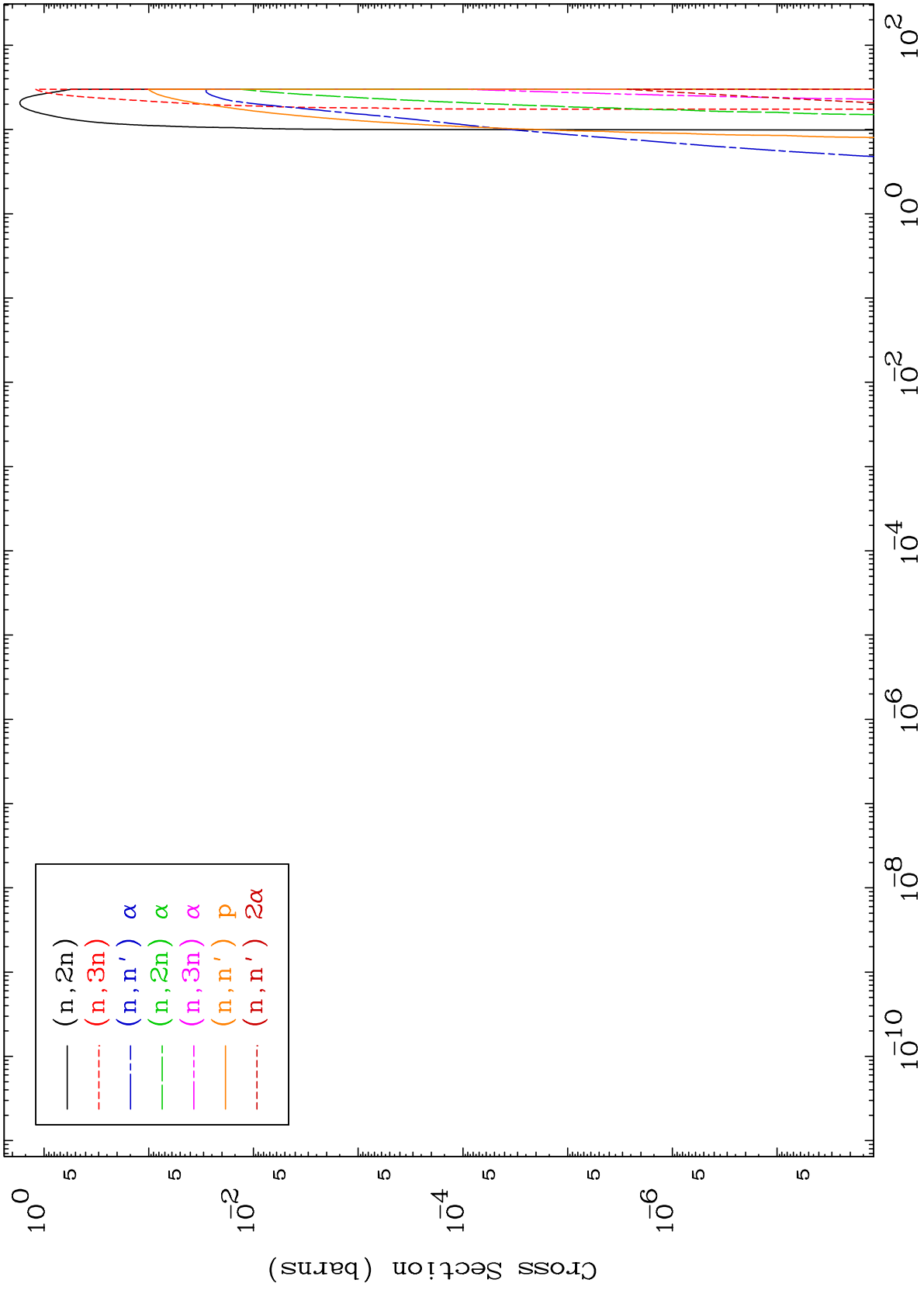
80-Hg-190



MAT 8007

Neutron Production
293 Kelvin Cross Sections

80-Hg-190



2

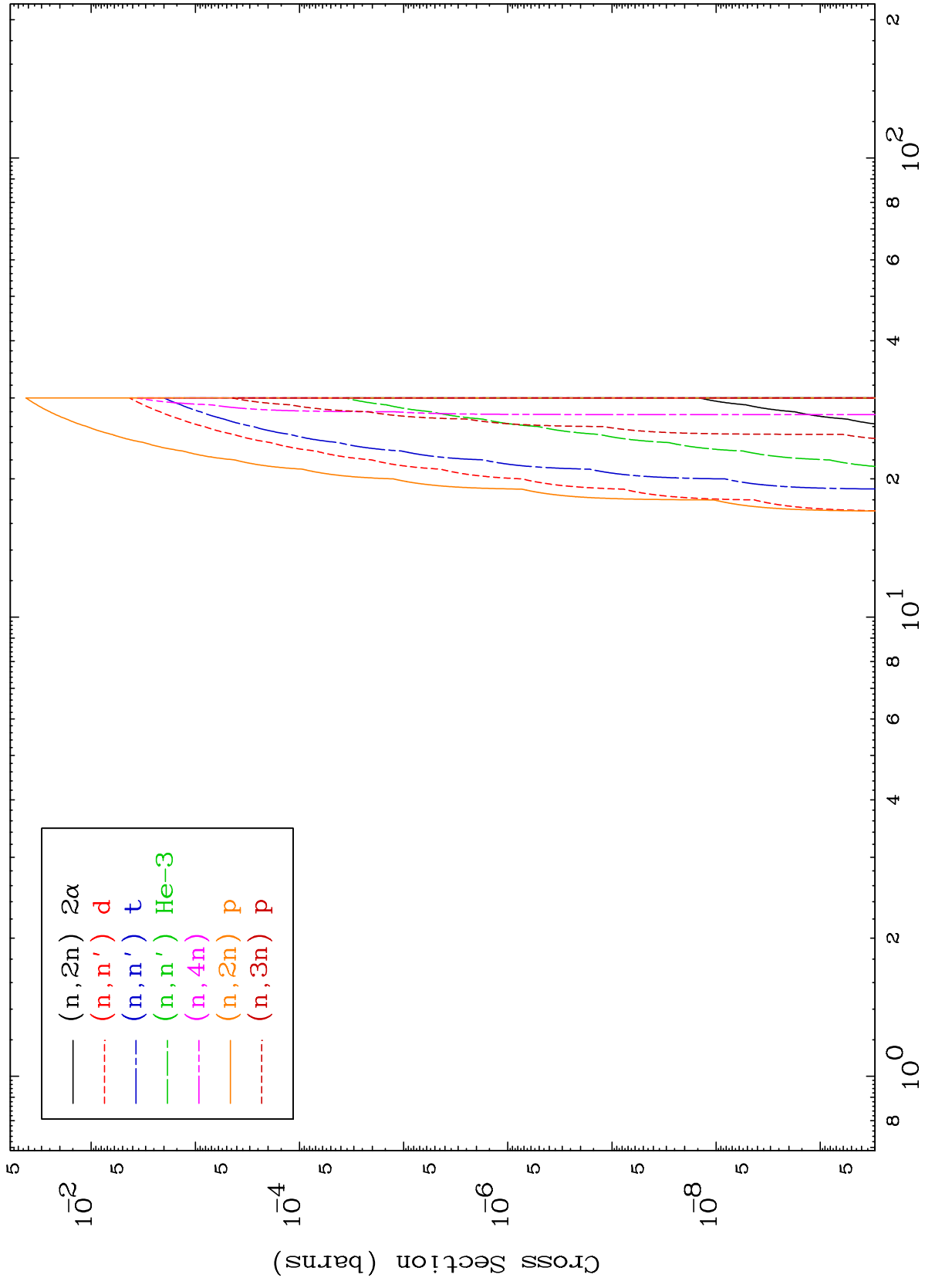
Incident Energy (MeV)

80-Hg-190

MAT 8007

Neutron Production
293 Kelvin Cross Sections

80-Hg-190



3

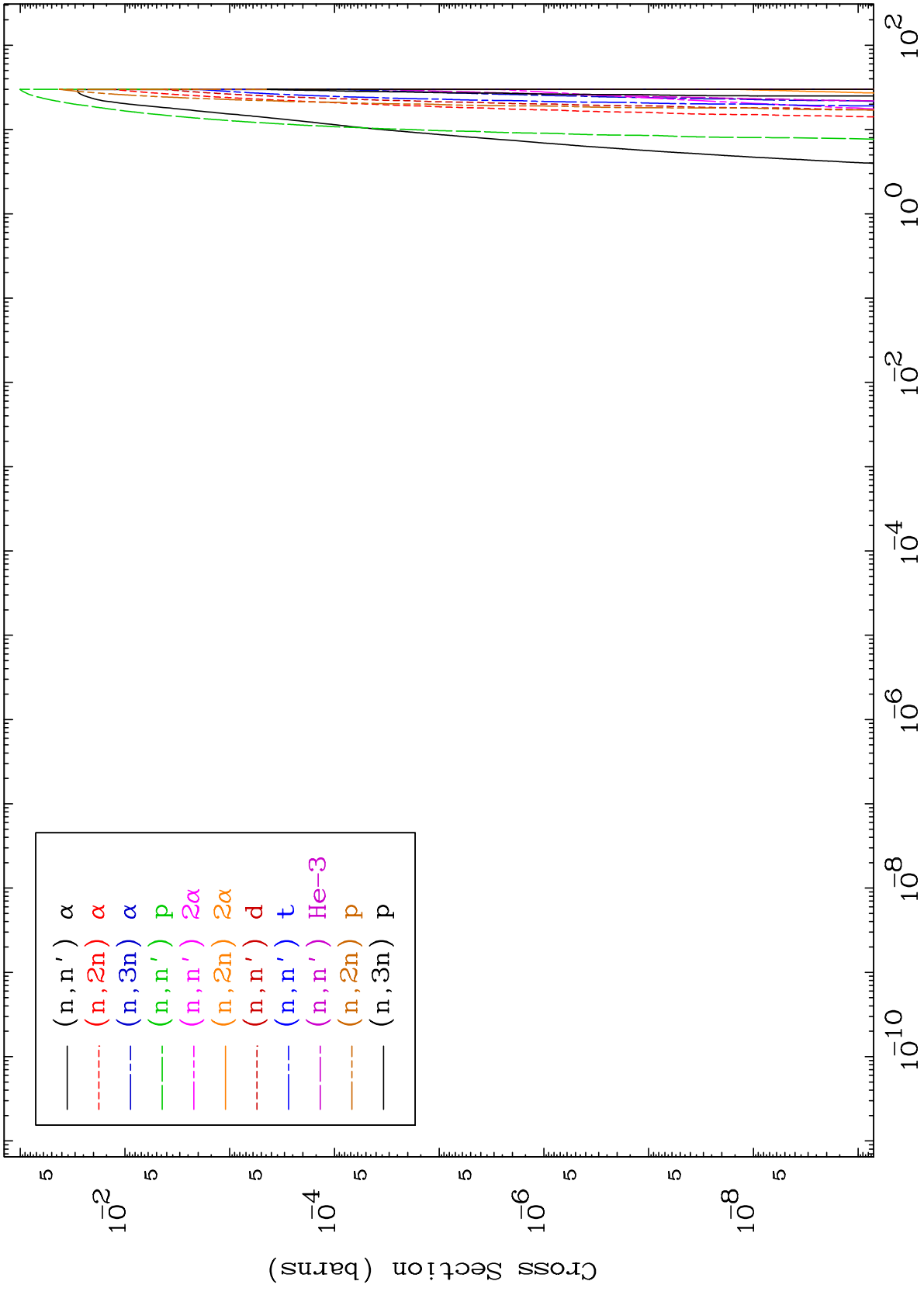
Incident Energy (MeV)

80-Hg-190

MAT 8007

293 Charged Particle
Kelvin Cross Sections

80-Hg-190

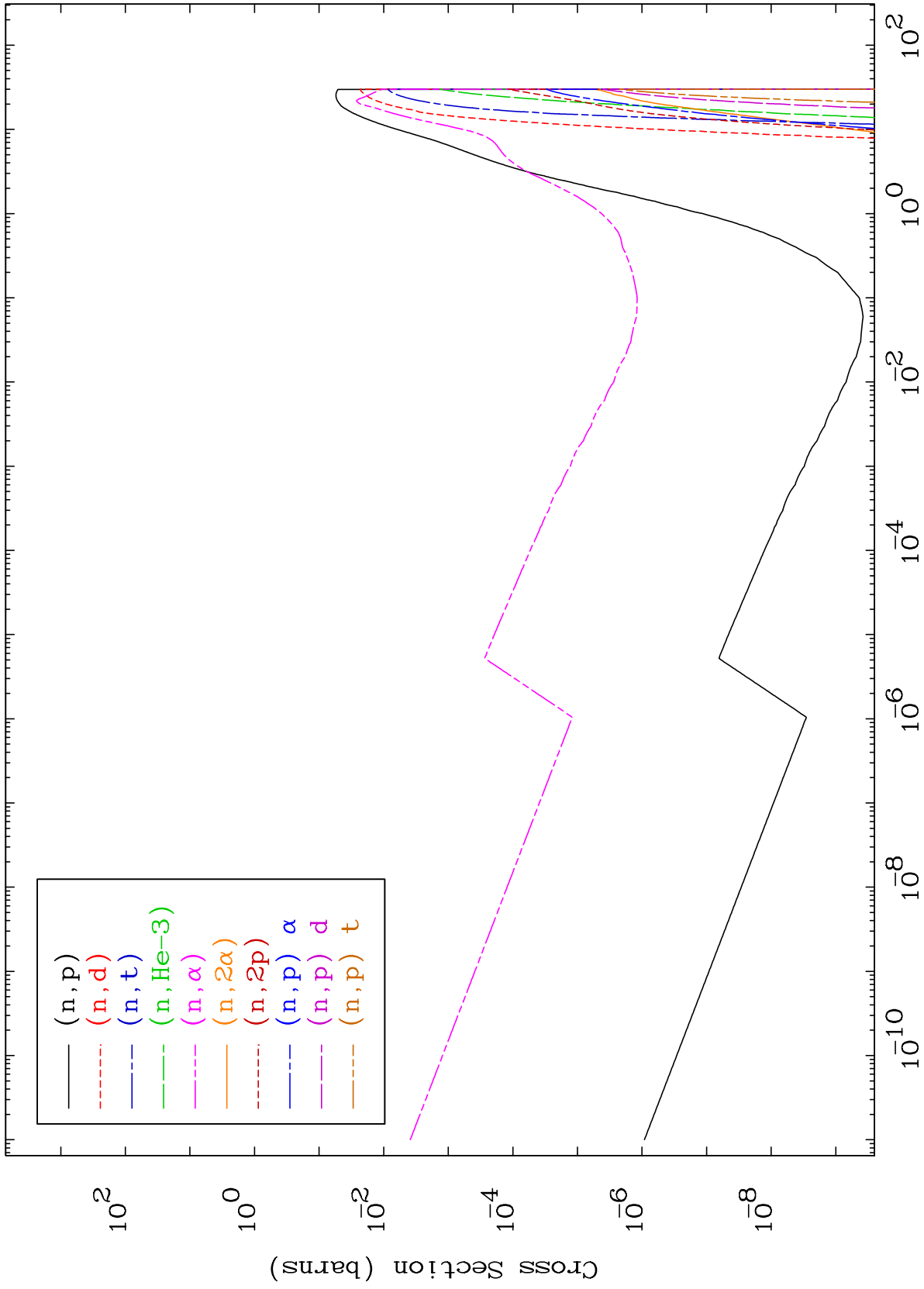


80-Hg-190

MAT 8007

293 Kelvin Cross Sections

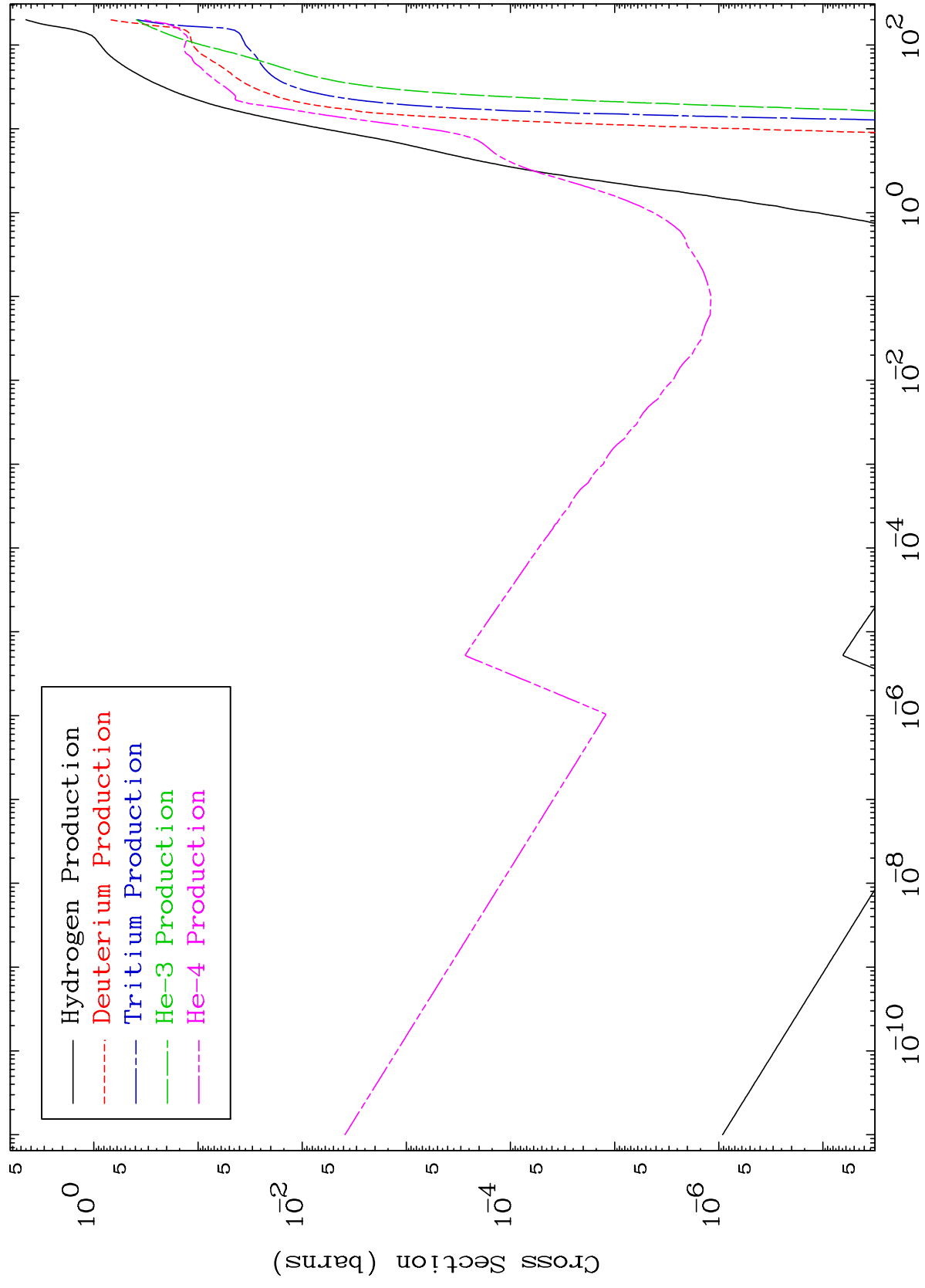
80-Hg-190



MAT 8007

Particle Production
293 Kelvin Cross Sections

80-Hg-190



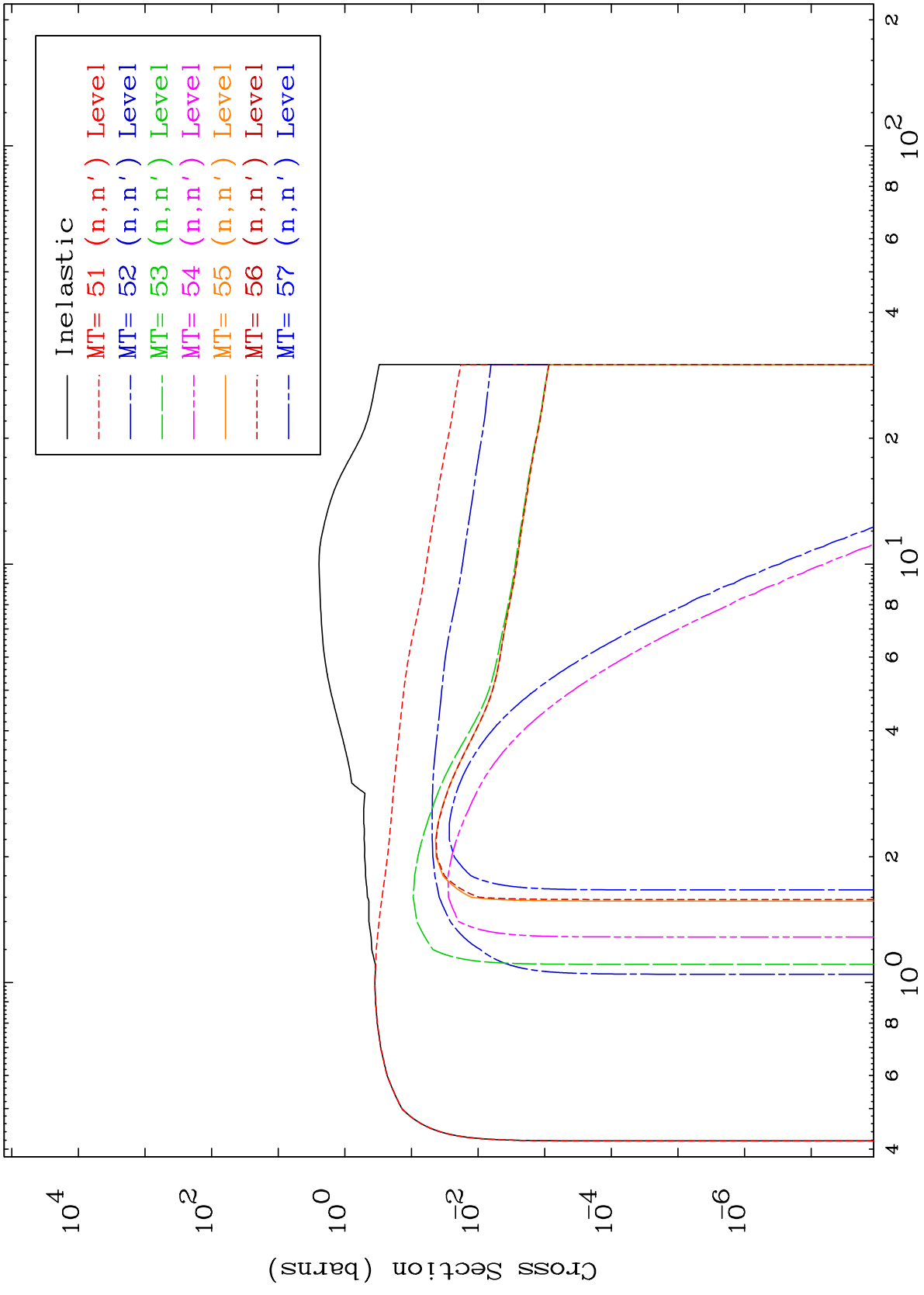
6

80-Hg-190

MAT 8007

(n,n') Level
293 Kelvin Cross Sections

80-Hg-190



7

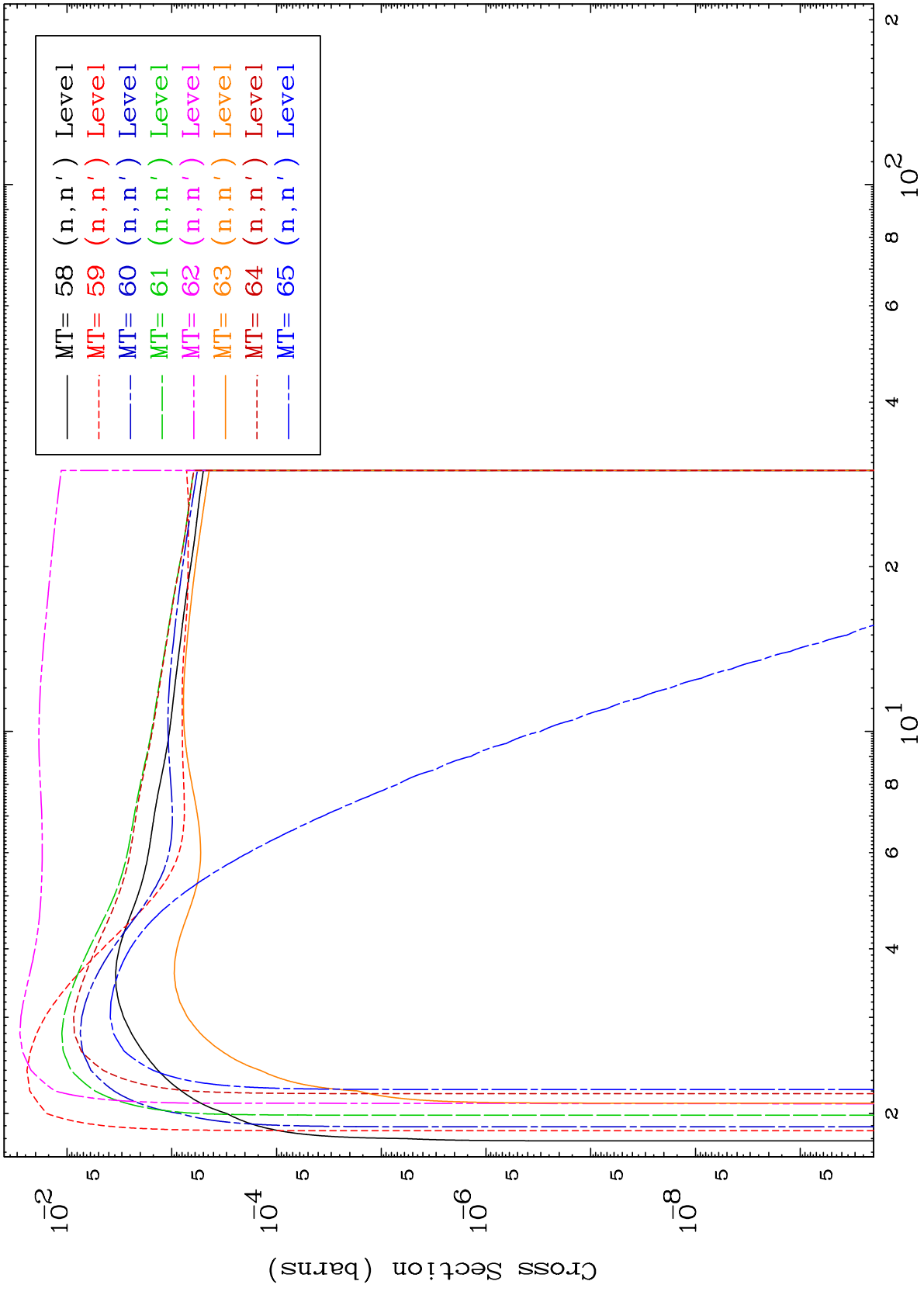
Incident Energy (MeV)

80-Hg-190

MAT 8007

(n,n') Level
293 Kelvin Cross Sections

80-Hg-190



8

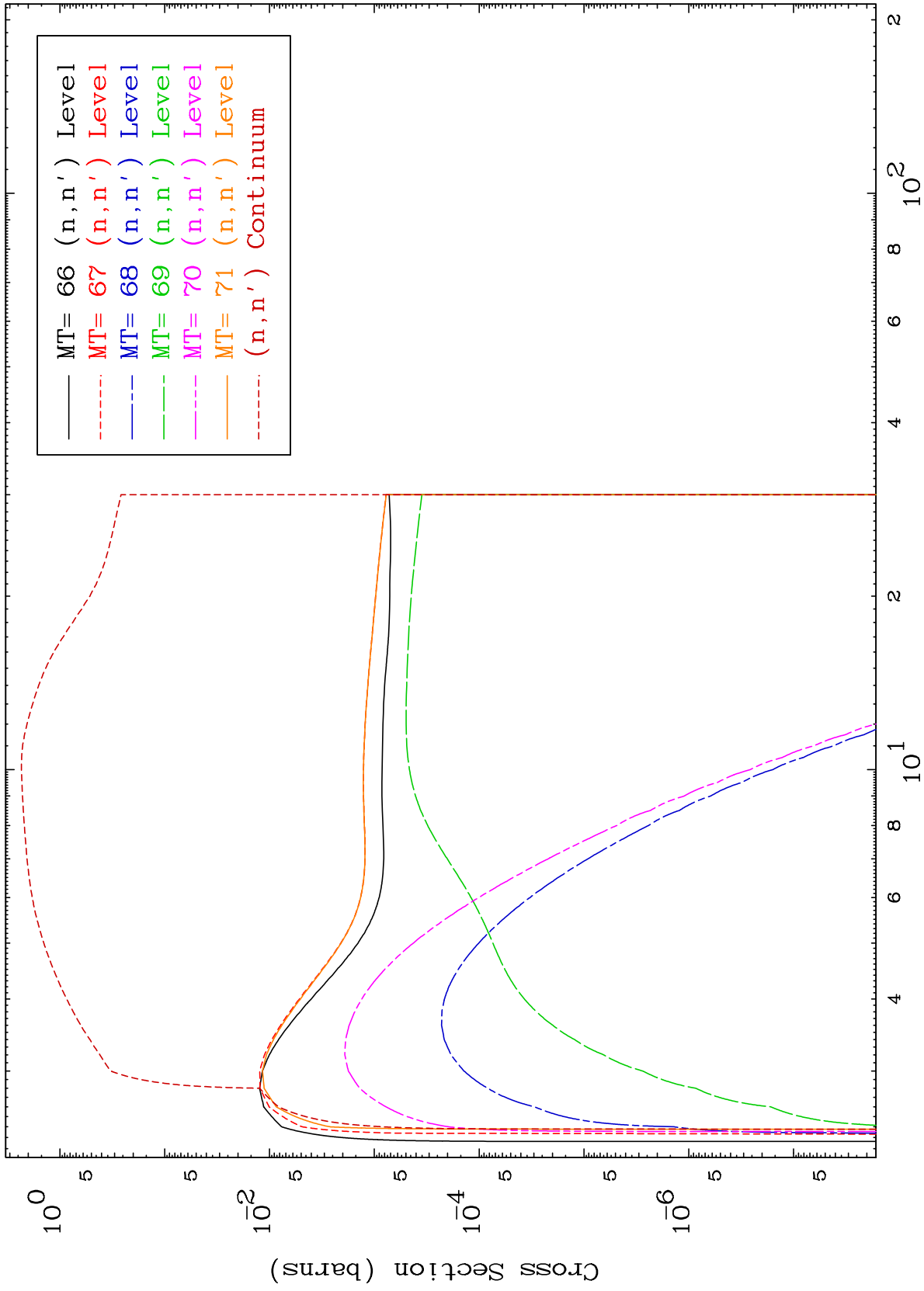
Incident Energy (MeV)

80-Hg-190

MAT 8007

(n,n') Level
293 Kelvin Cross Sections

80-Hg-190



9

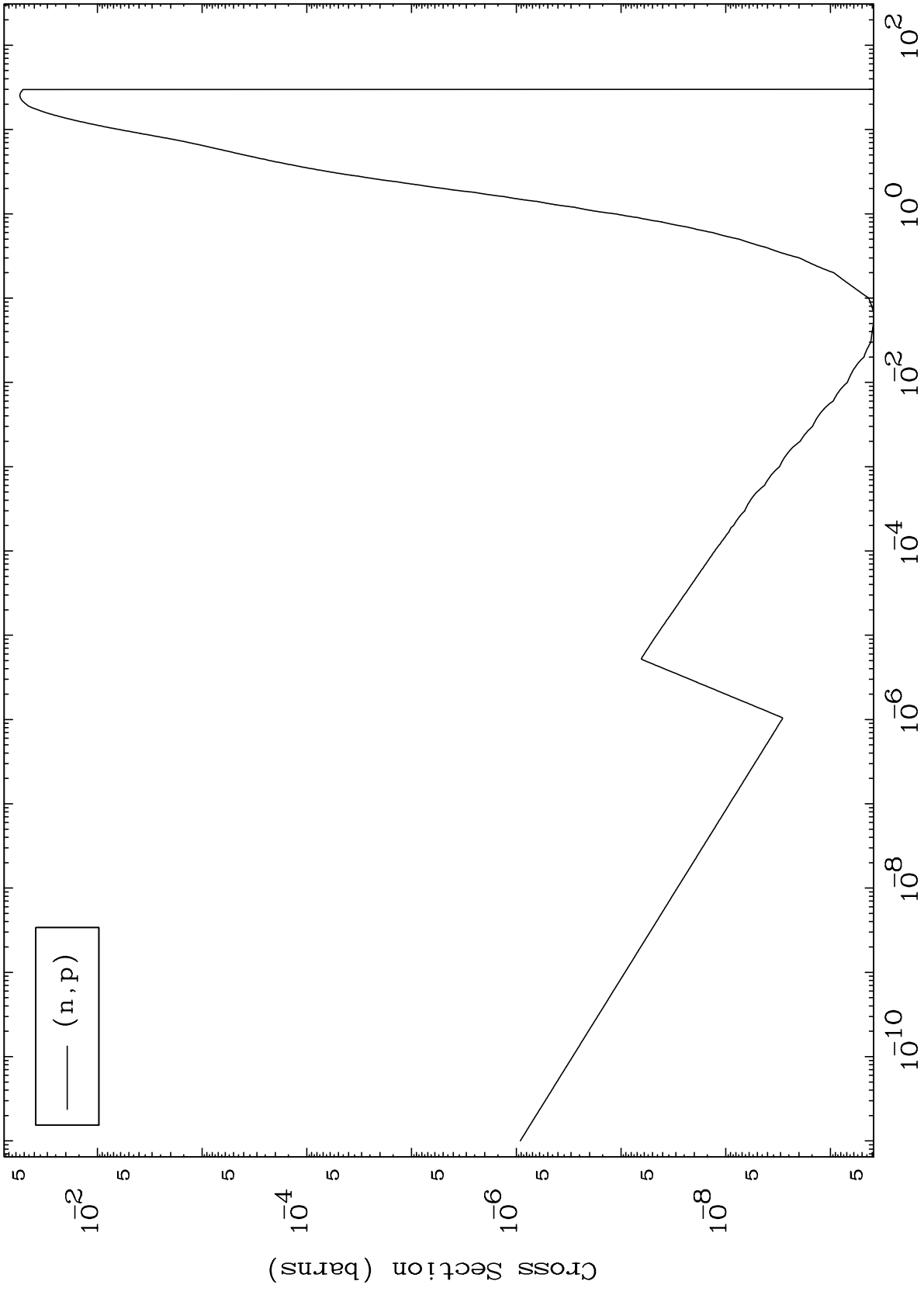
Incident Energy (MeV)

80-Hg-190

MAT 8007

(n,p) Levels
293 Kelvin Cross Sections

80-Hg-190



10

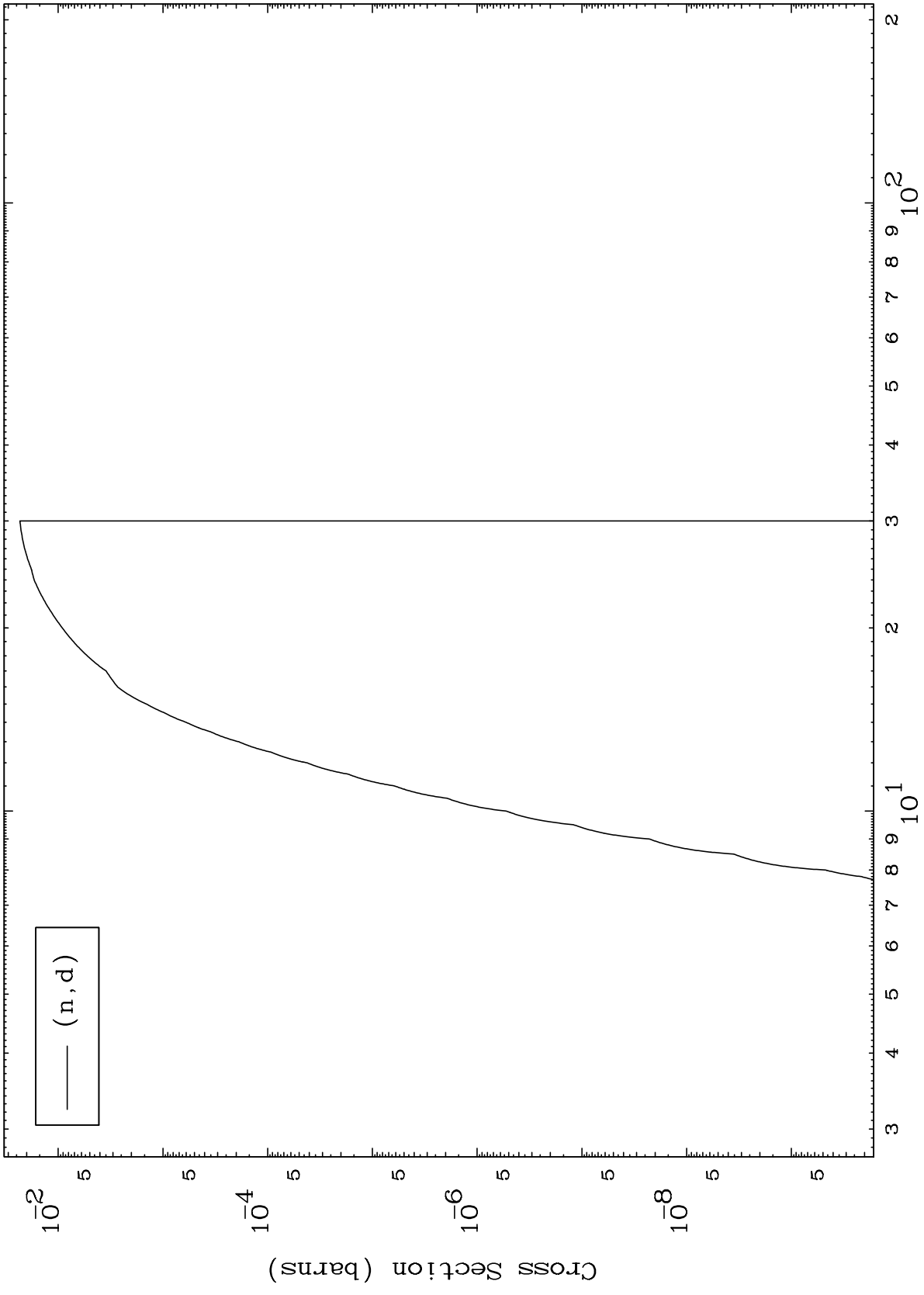
Incident Energy (MeV)

80-Hg-190

MAT 8007

(n,d) Levels
293 Kelvin Cross Sections

80-Hg-190

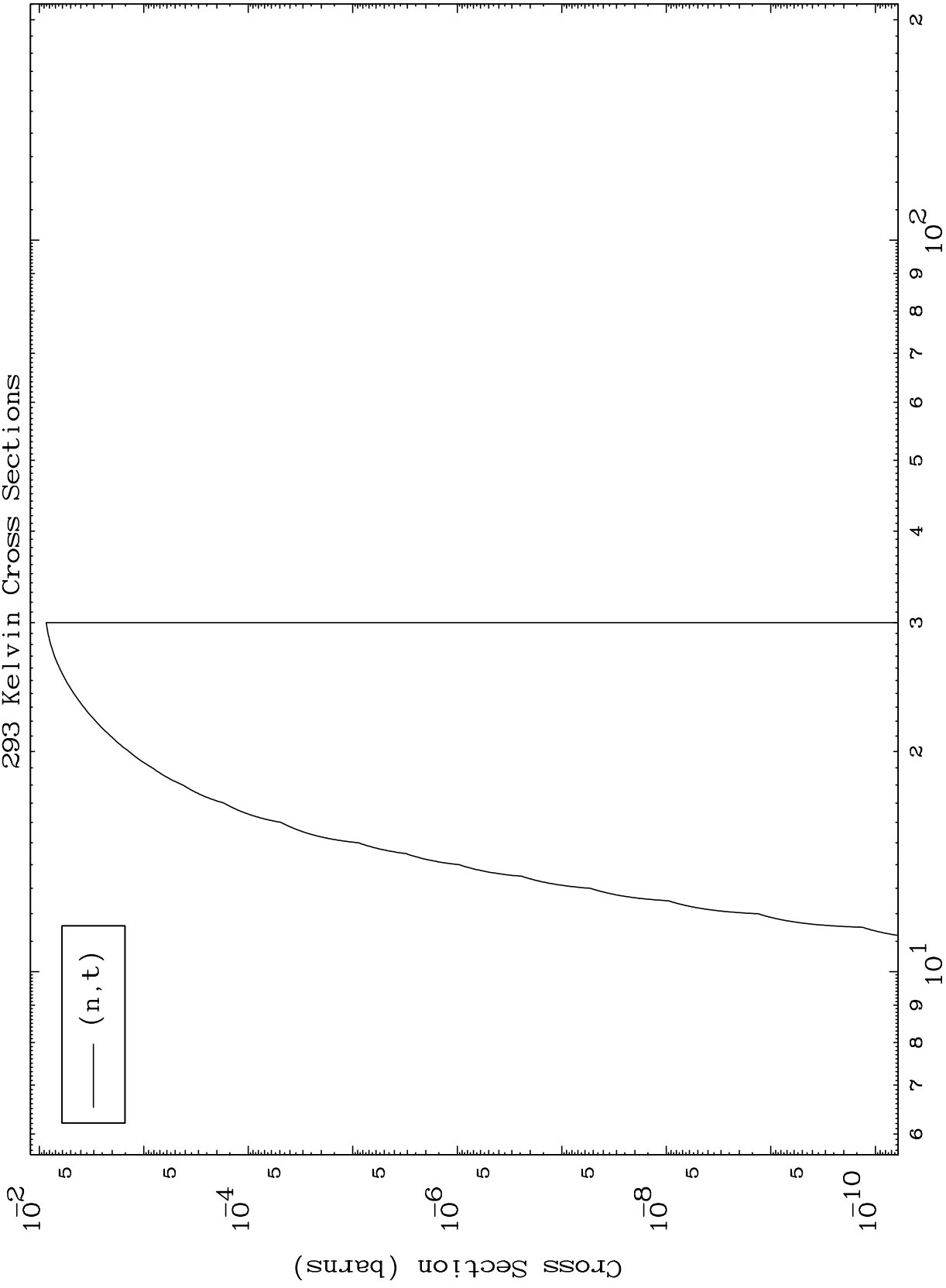


(n,d)

MAT 8007

(n,t) Levels
293 Kelvin Cross Sections

80-Hg-190



12

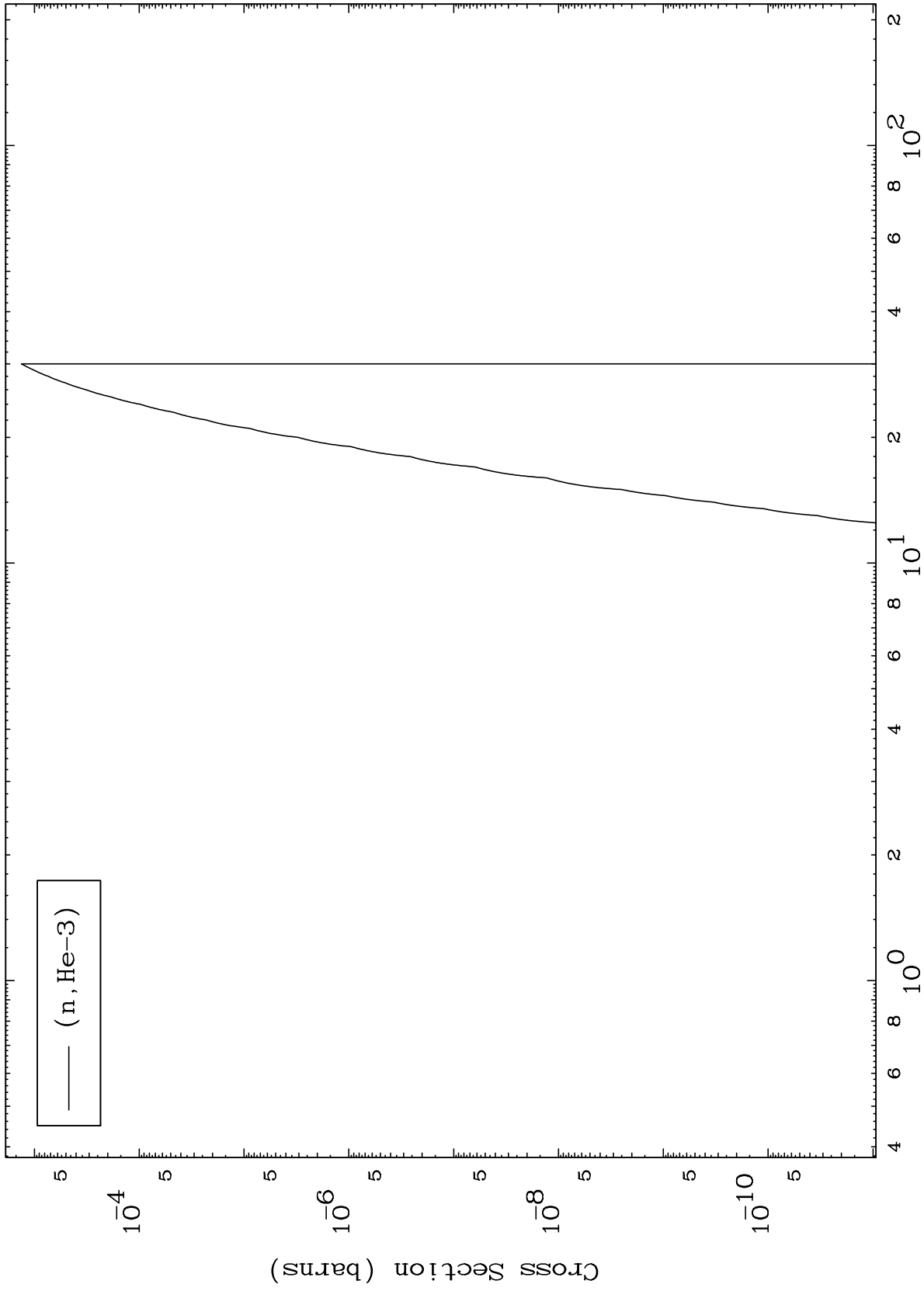
Incident Energy (MeV)

80-Hg-190

MAT 8007

(n,He3) Levels
293 Kelvin Cross Sections

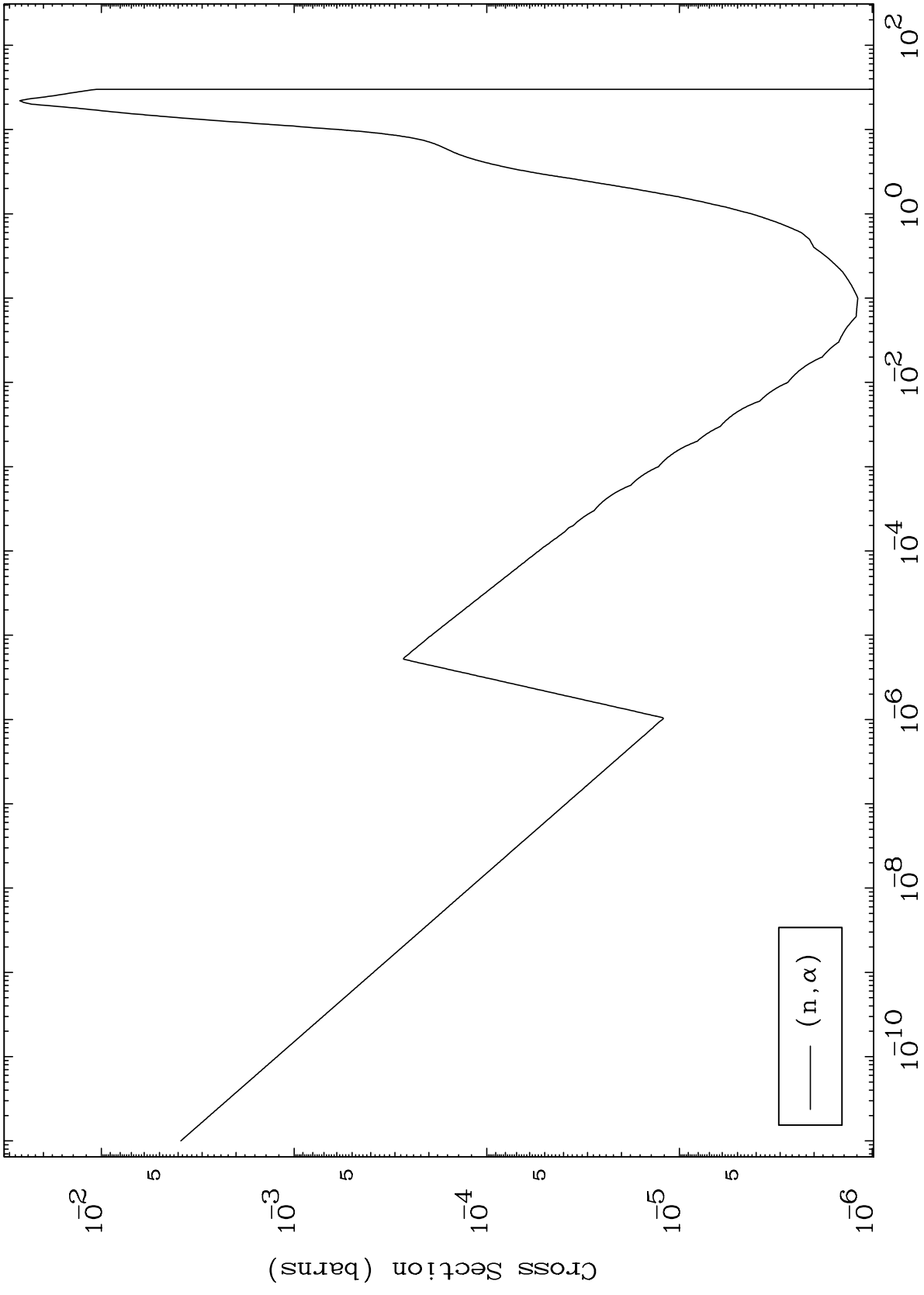
80-Hg-190



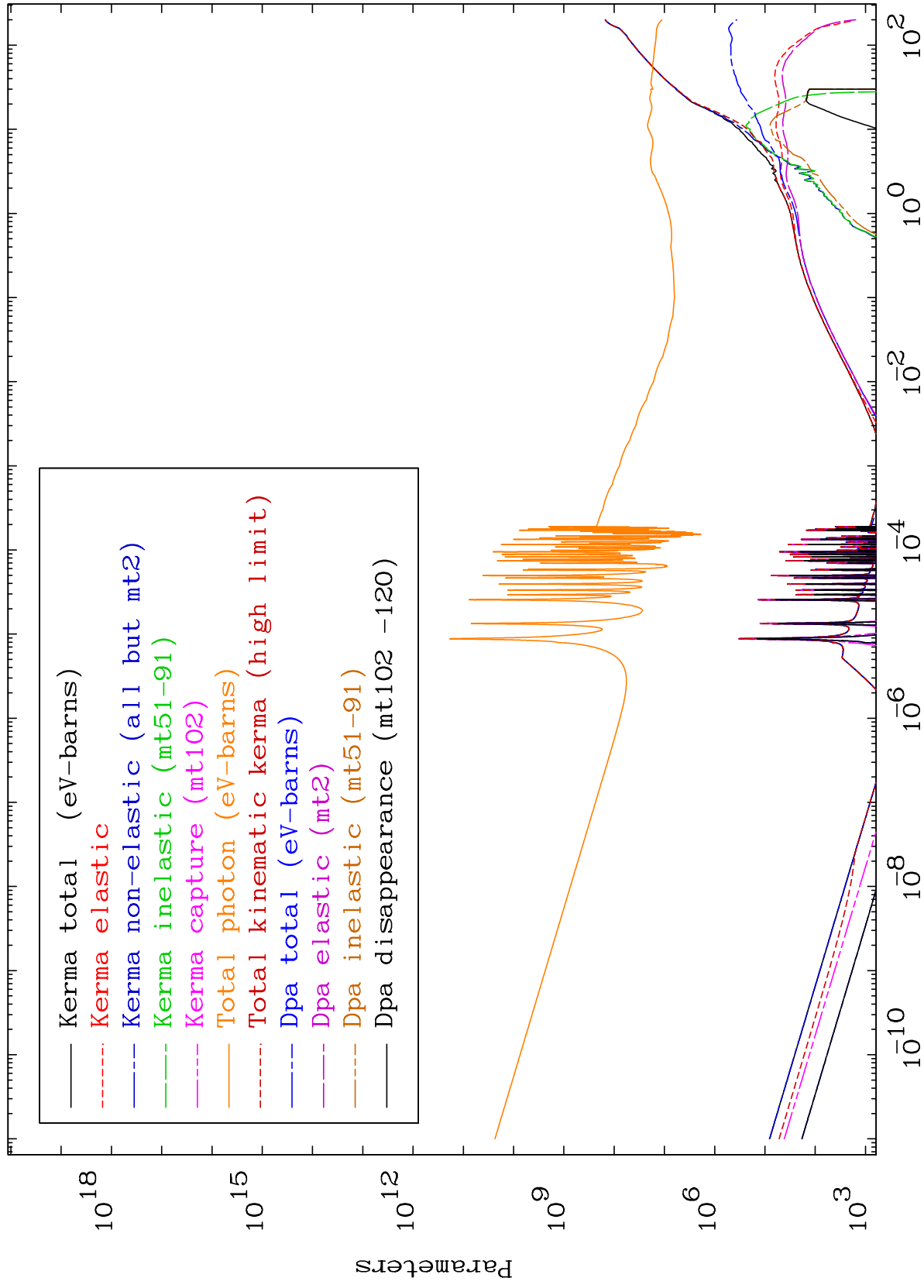
MAT 8007

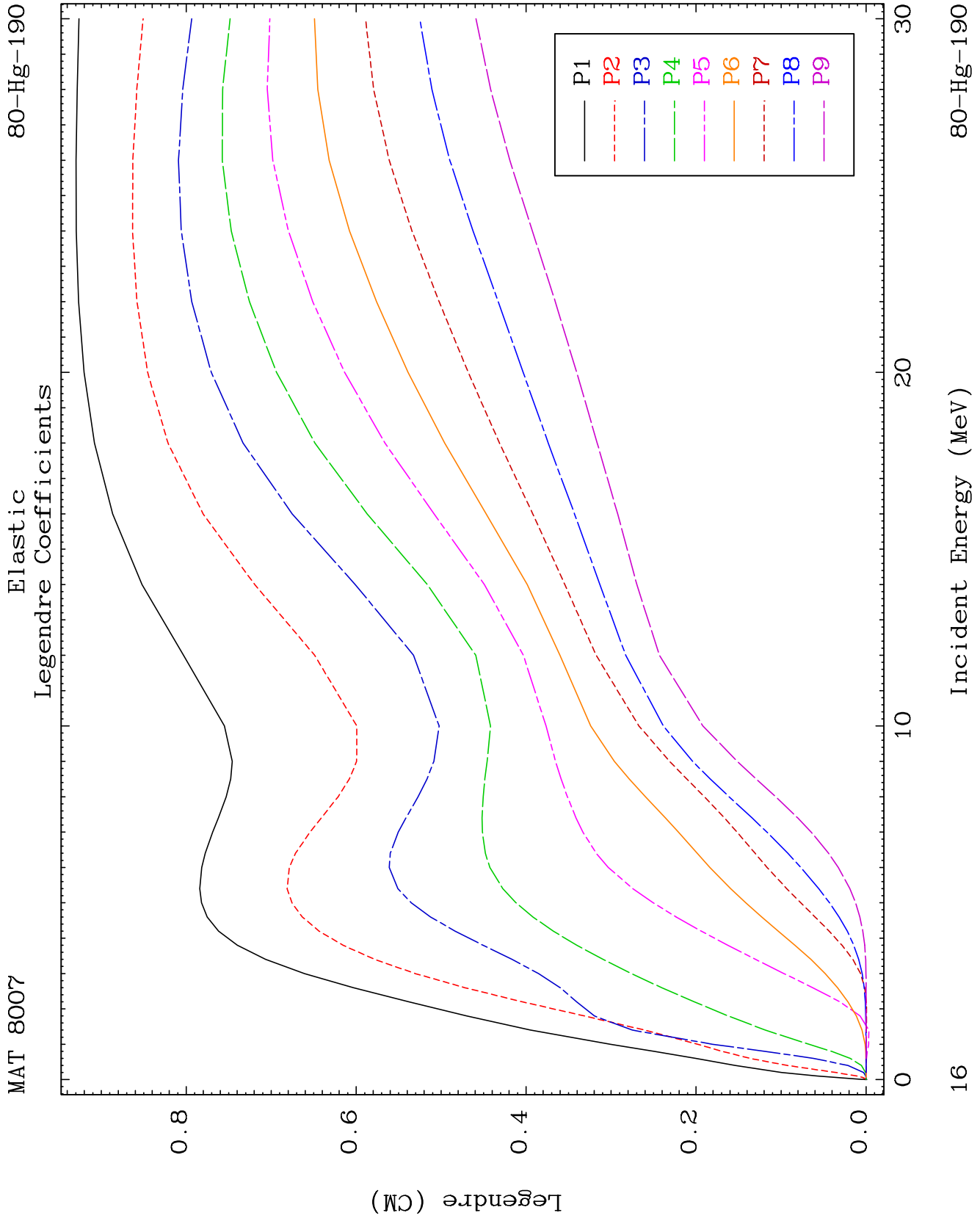
(n,α) Levels
293 Kelvin Cross Sections

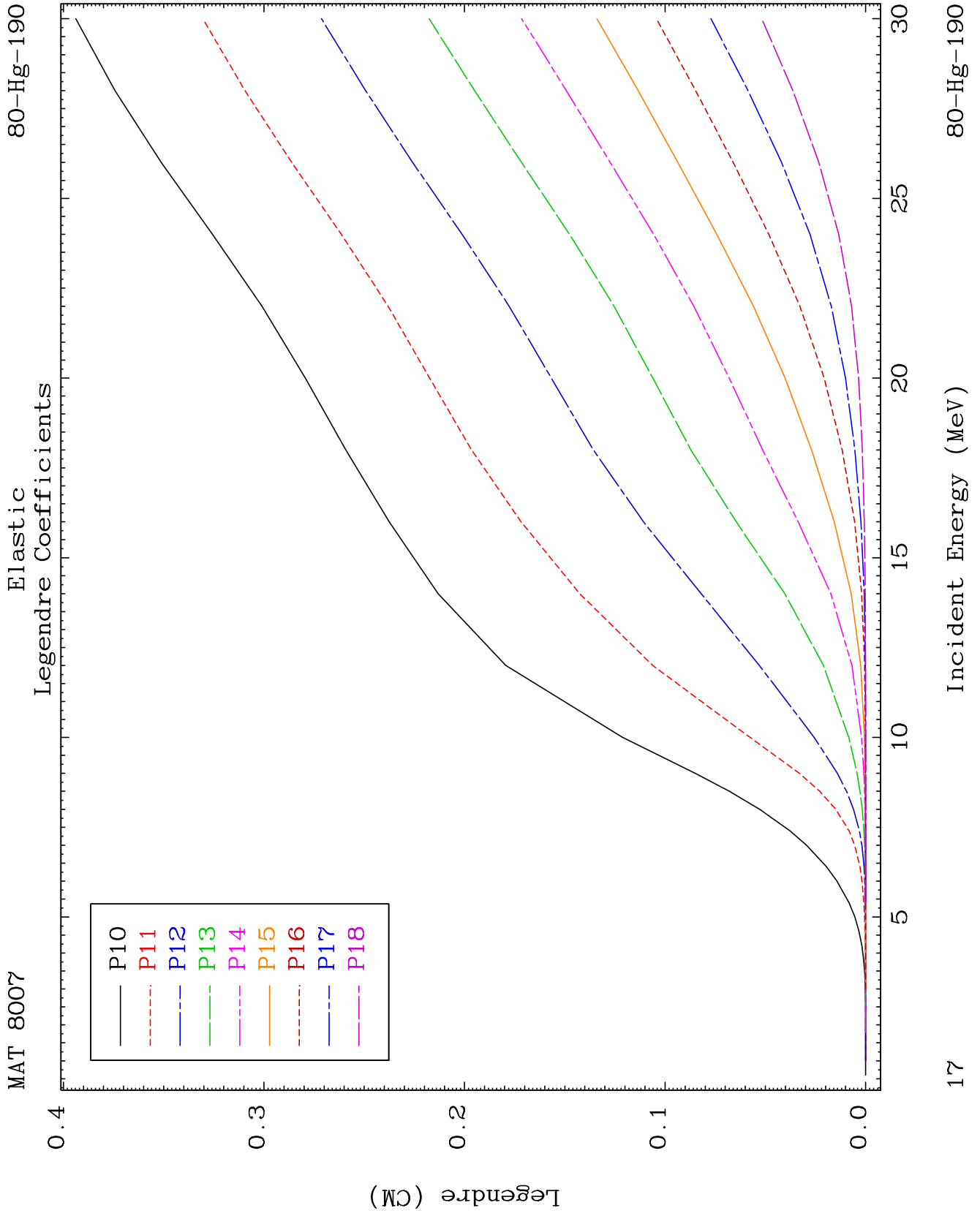
80-Hg-190



— (n,α)



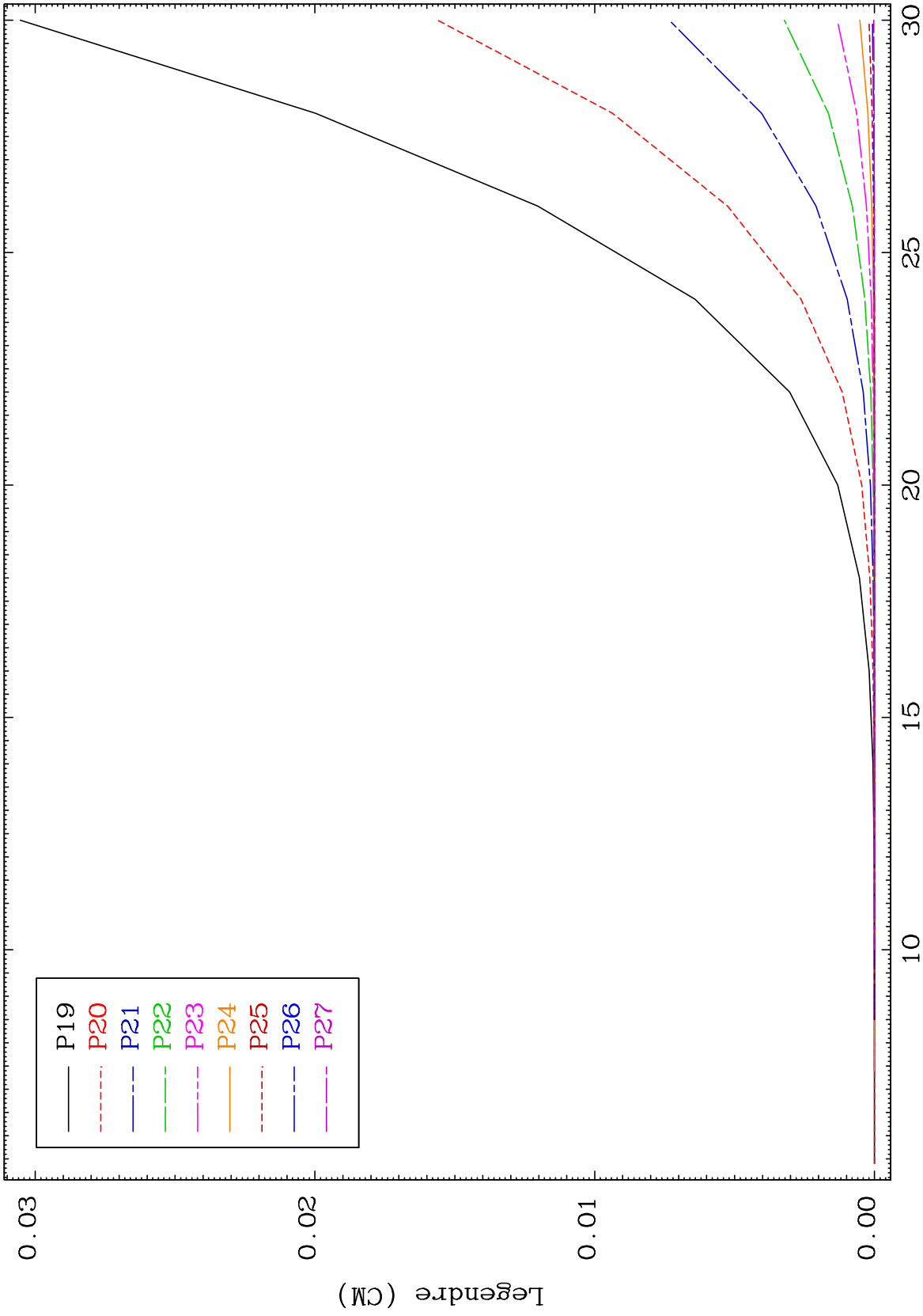




MAT 8007

Elastic Legendre Coefficients

80-Hg-190



18

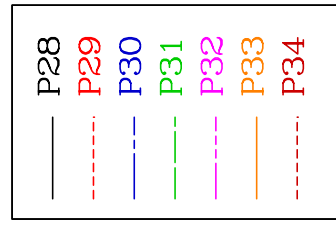
Incident Energy (MeV)

80-Hg-190

MAT 8007

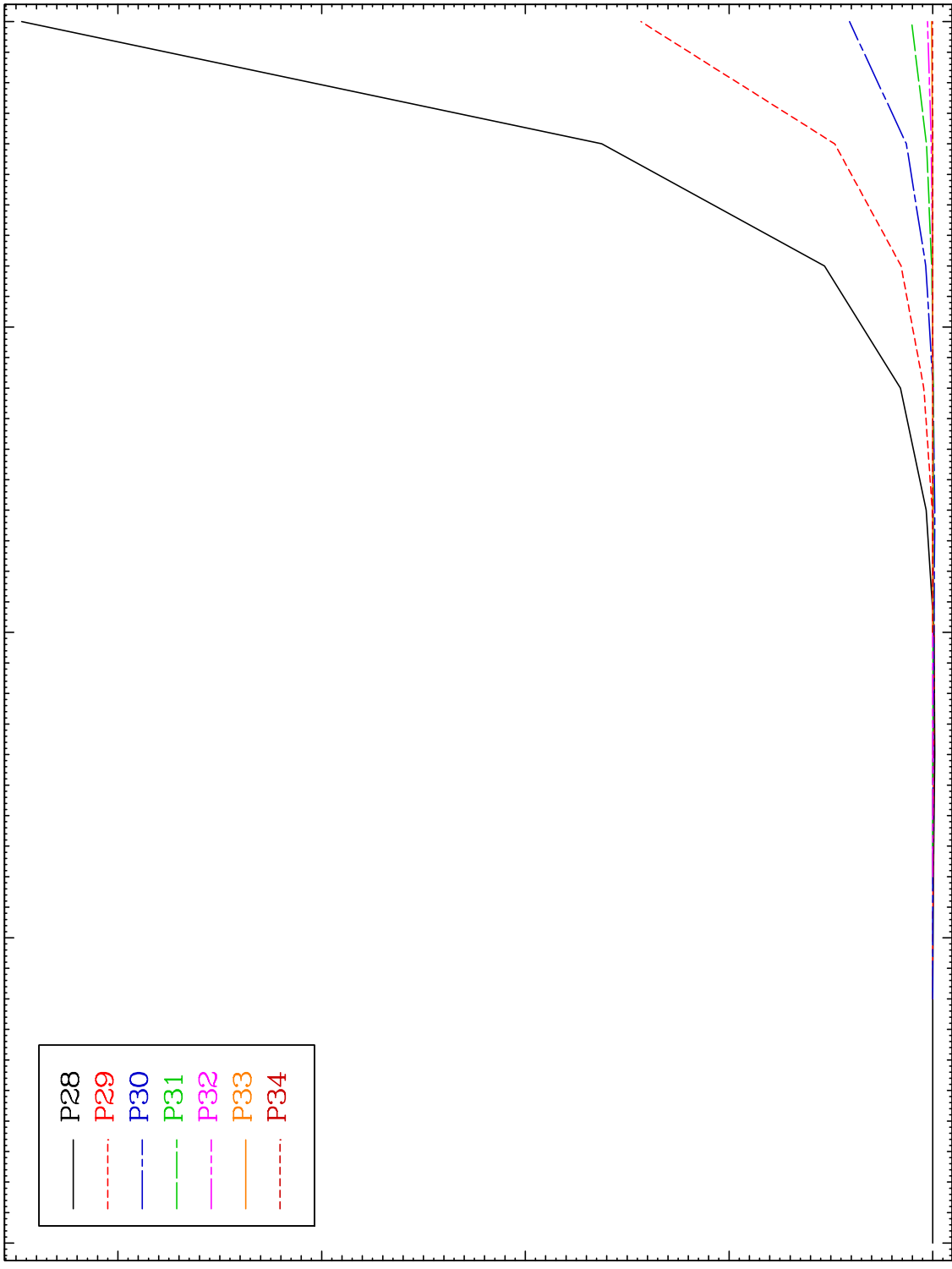
Elastic Legendre Coefficients

80-Hg-190



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

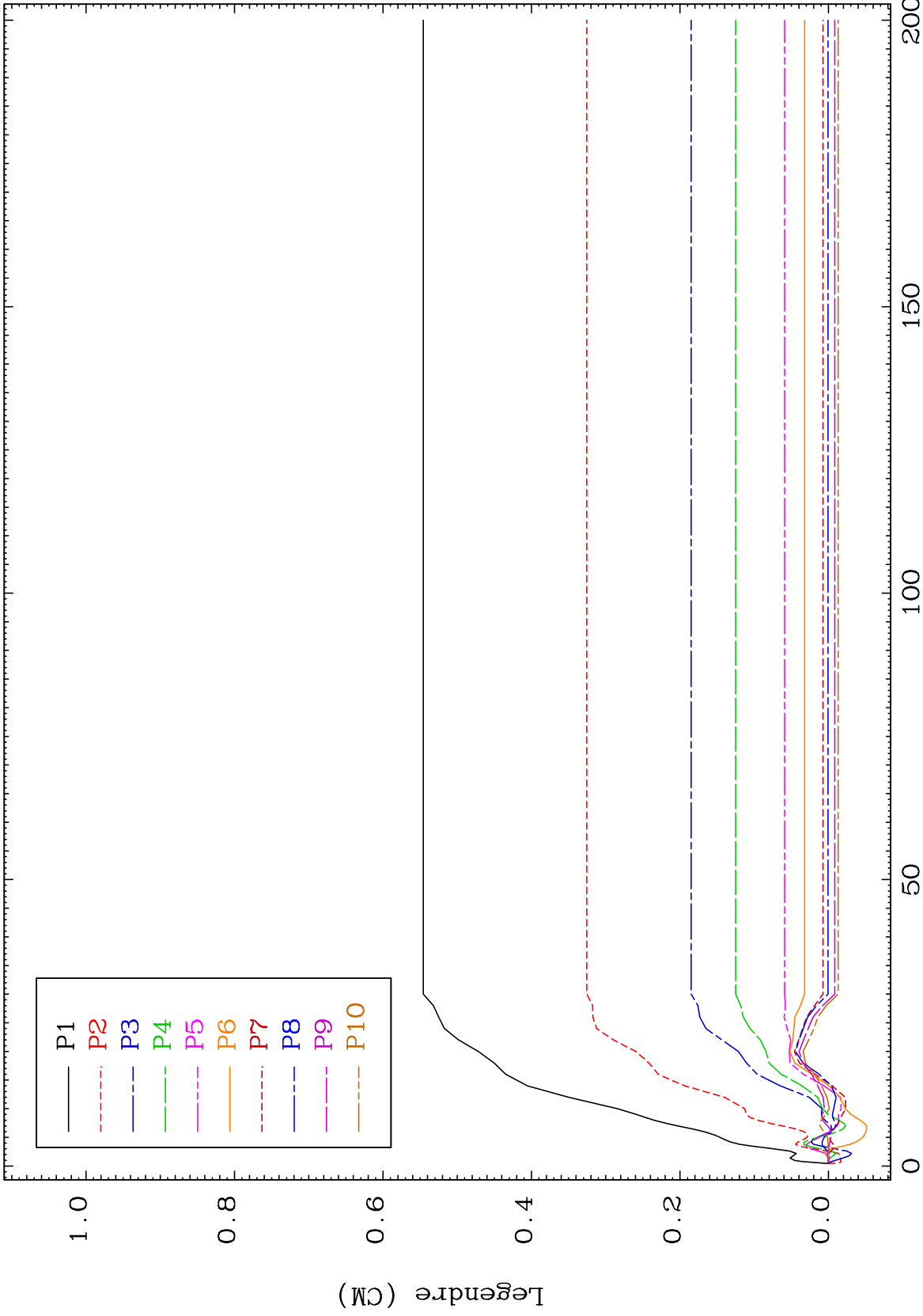
Incident Energy (MeV)

80-Hg-190

MAT 8007

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

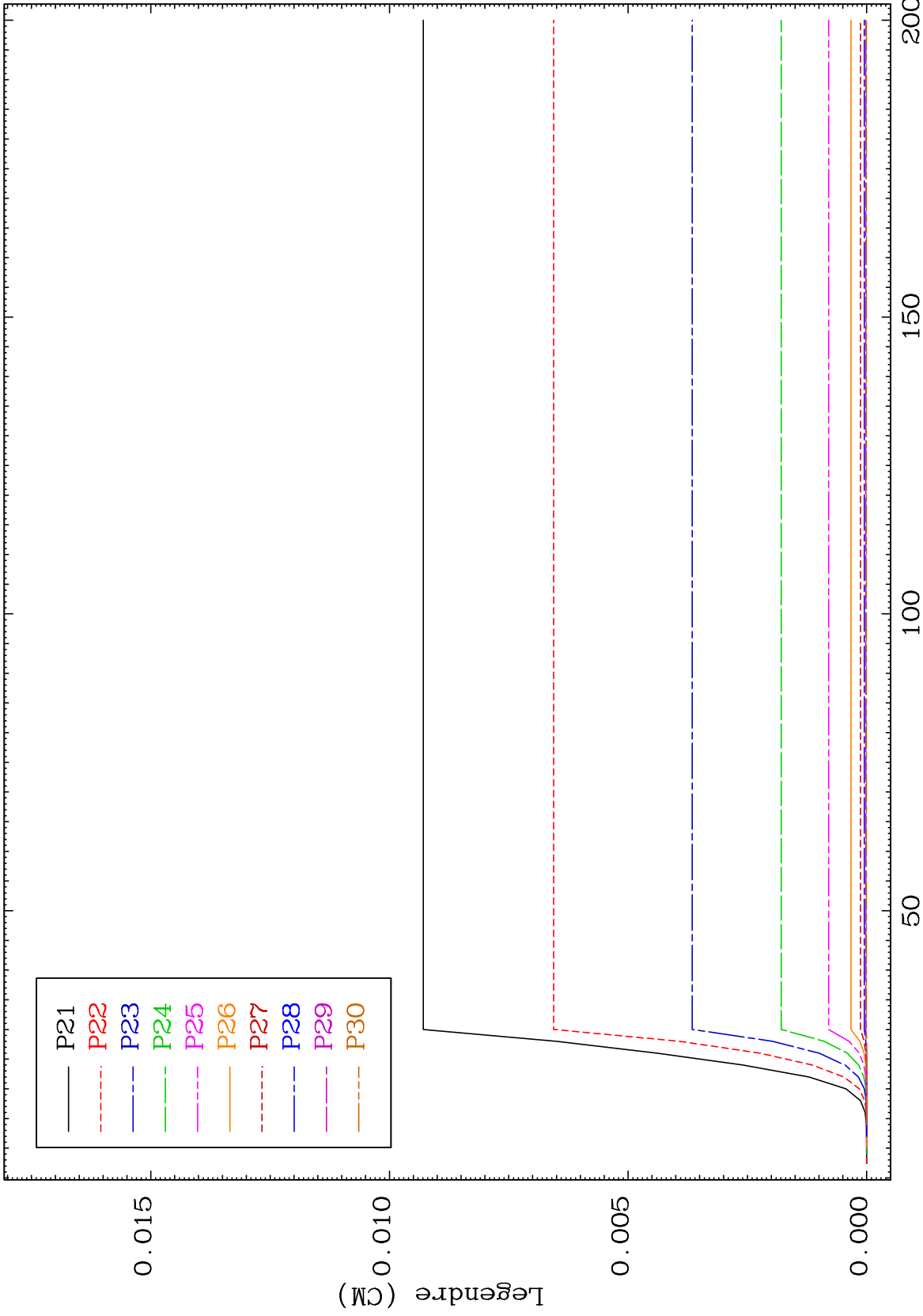
80-Hg-190



MAT 8007

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

80-Hg-190



22

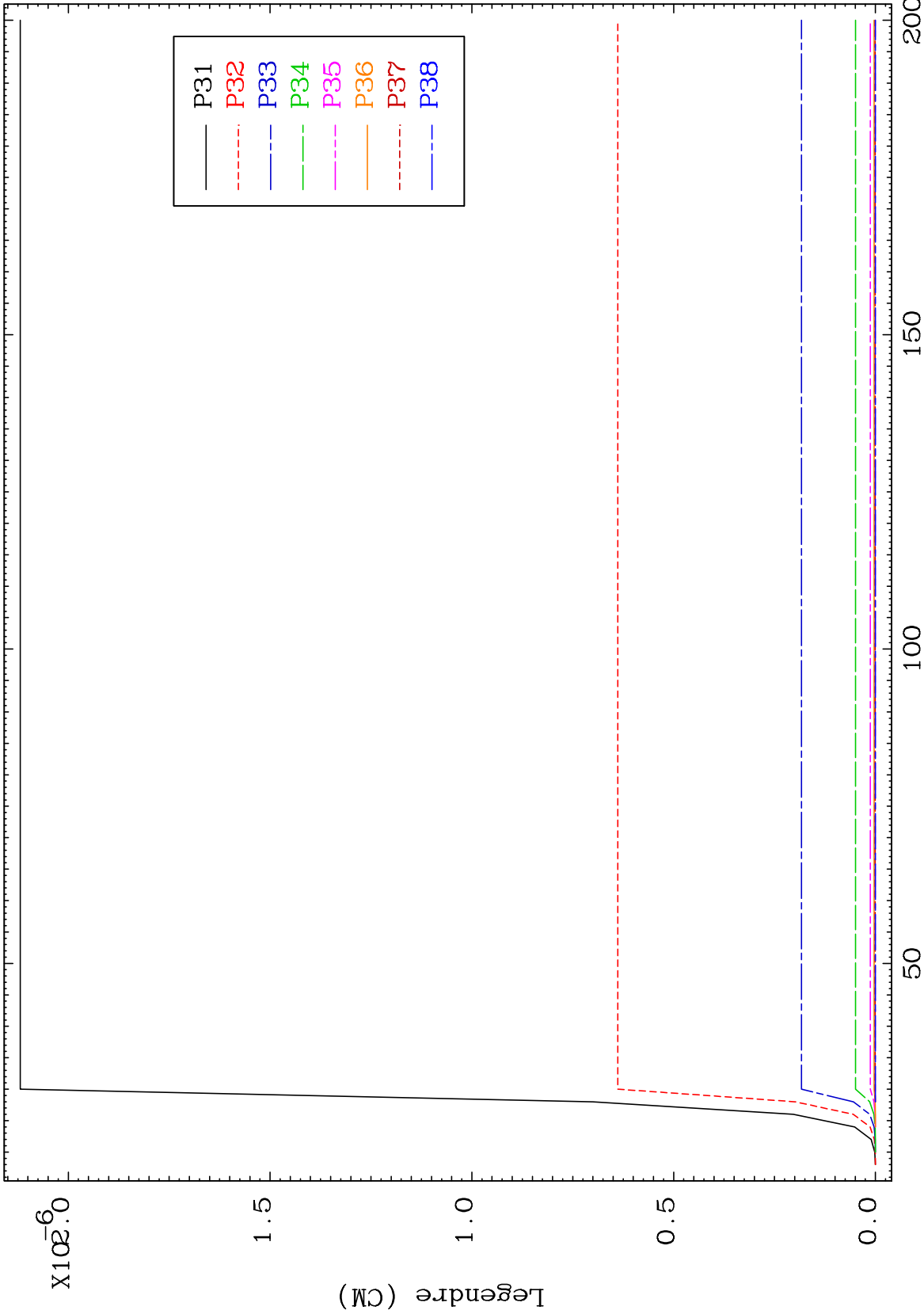
Incident Energy (MeV)

80-Hg-190

MAT 8007

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

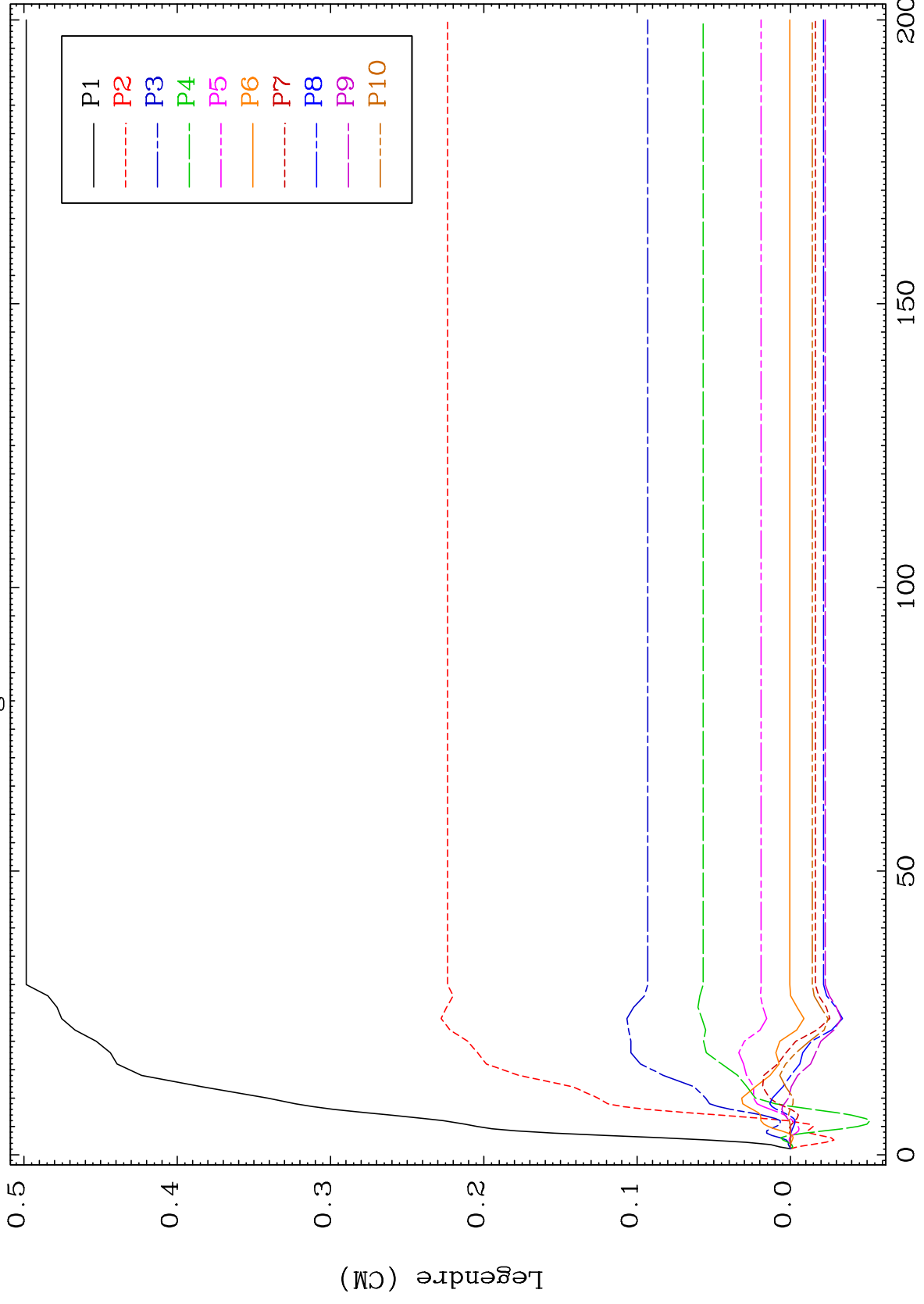
80-Hg-190



23

80-Hg-190

MAT 8007 MT= 52 (n,n') Level Legendre Coefficients 80-Hg-190

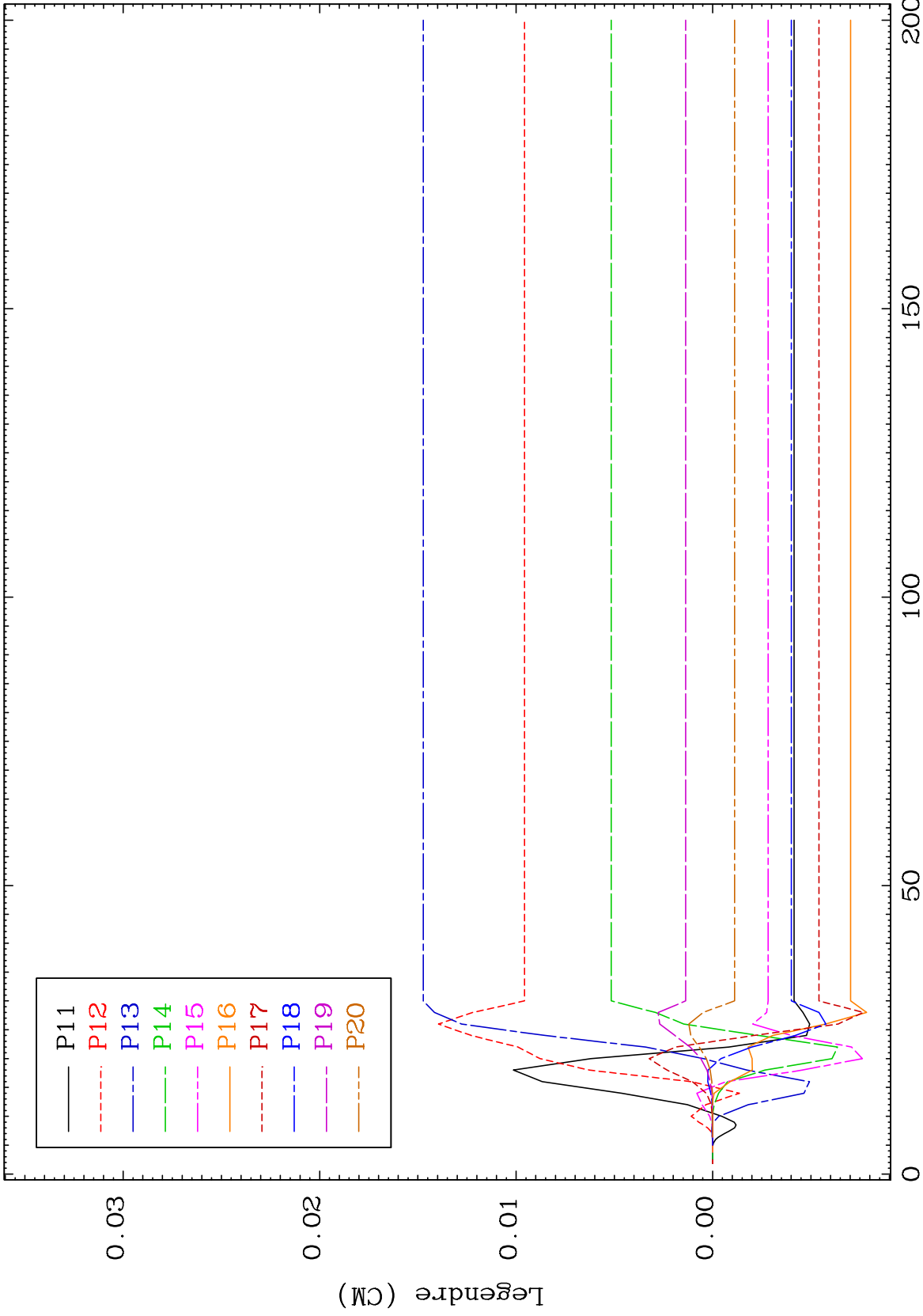


24 80-Hg-190

MAT 8007

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

80-Hg-190



25

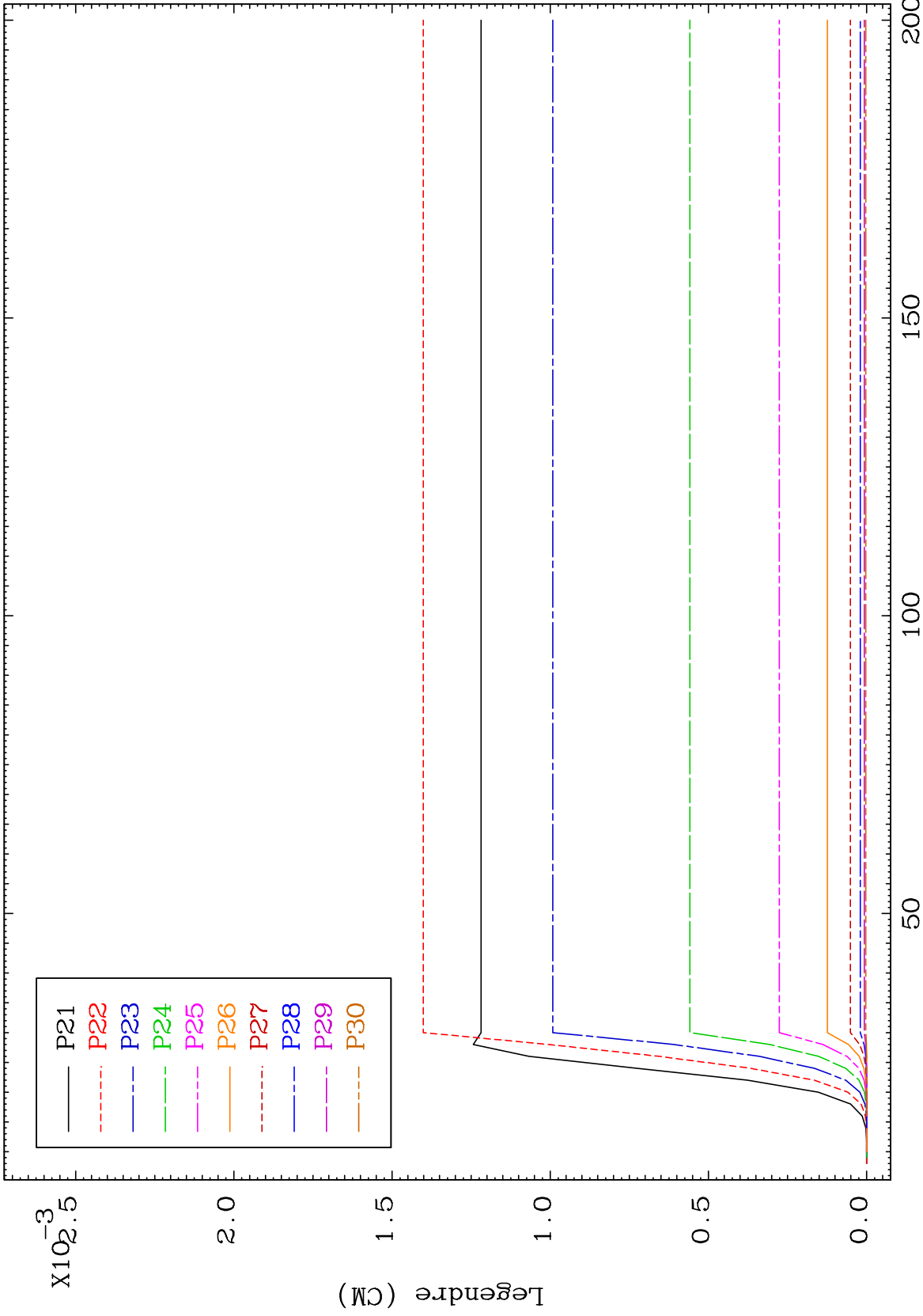
Incident Energy (MeV)

80-Hg-190

MAT 8007

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

80-Hg-190

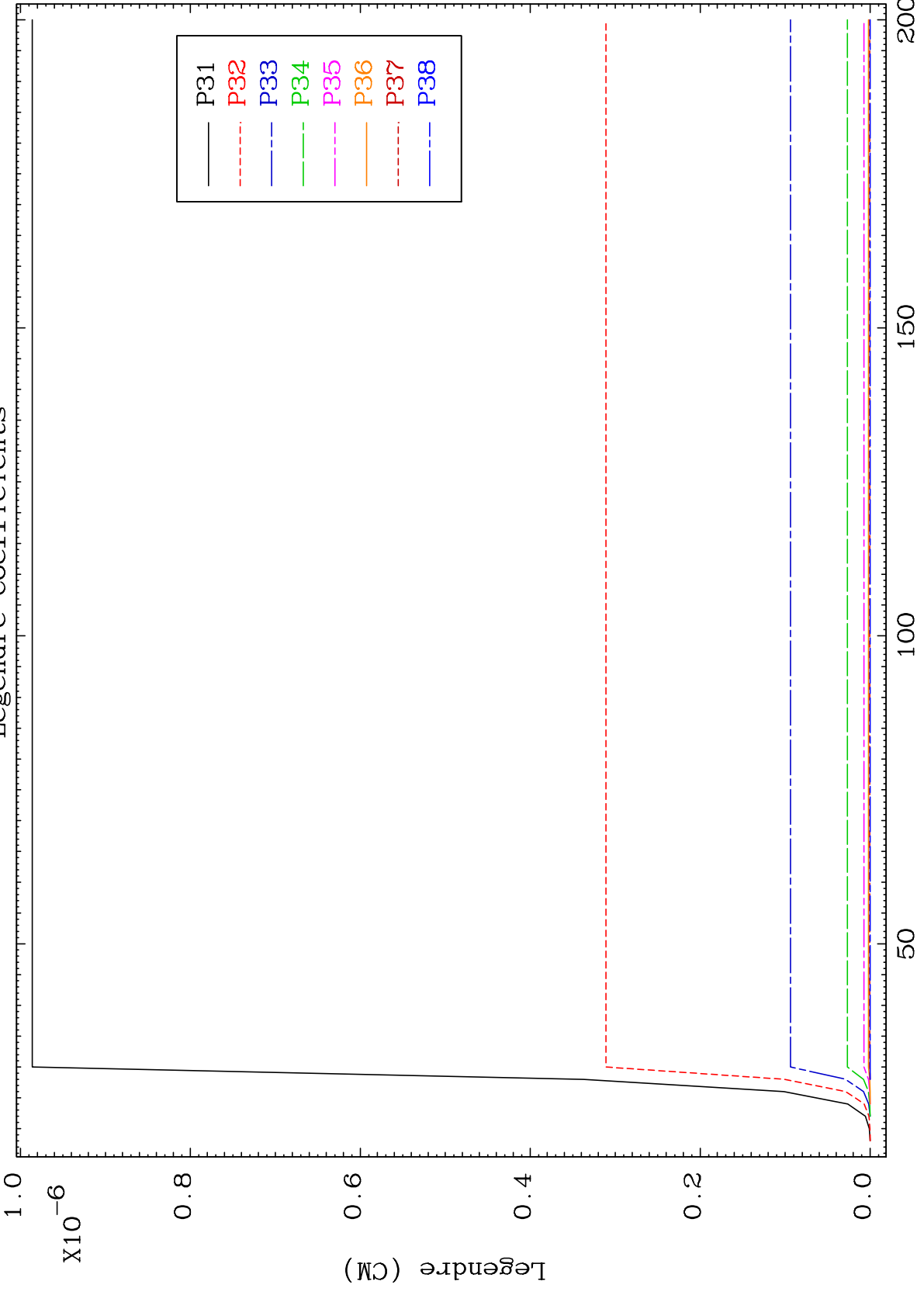


26

Incident Energy (MeV)

80-Hg-190

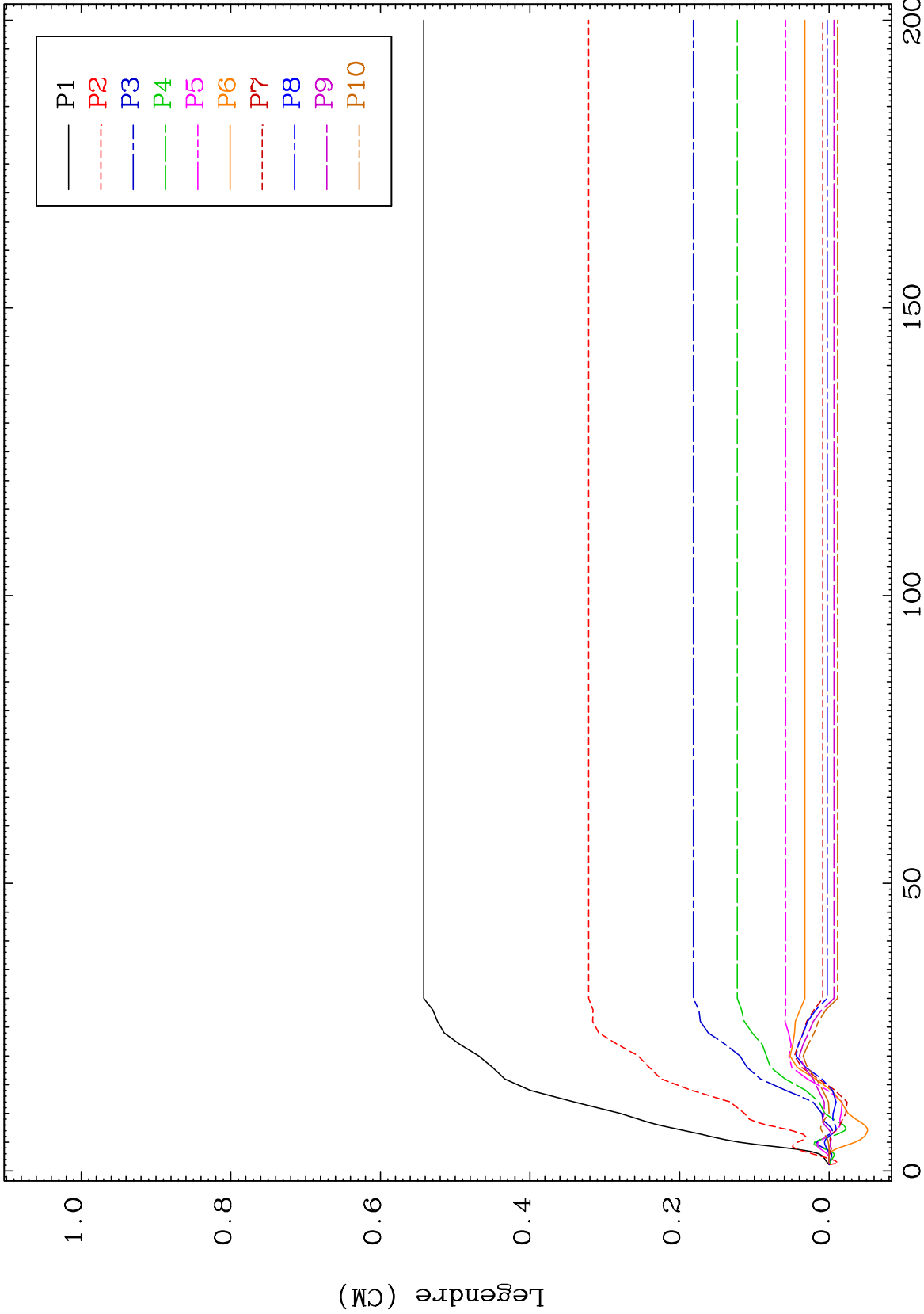
MAT 8007 MT= 52 (n,n') Level Legendre Coefficients 80-Hg-190



MAT 8007

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

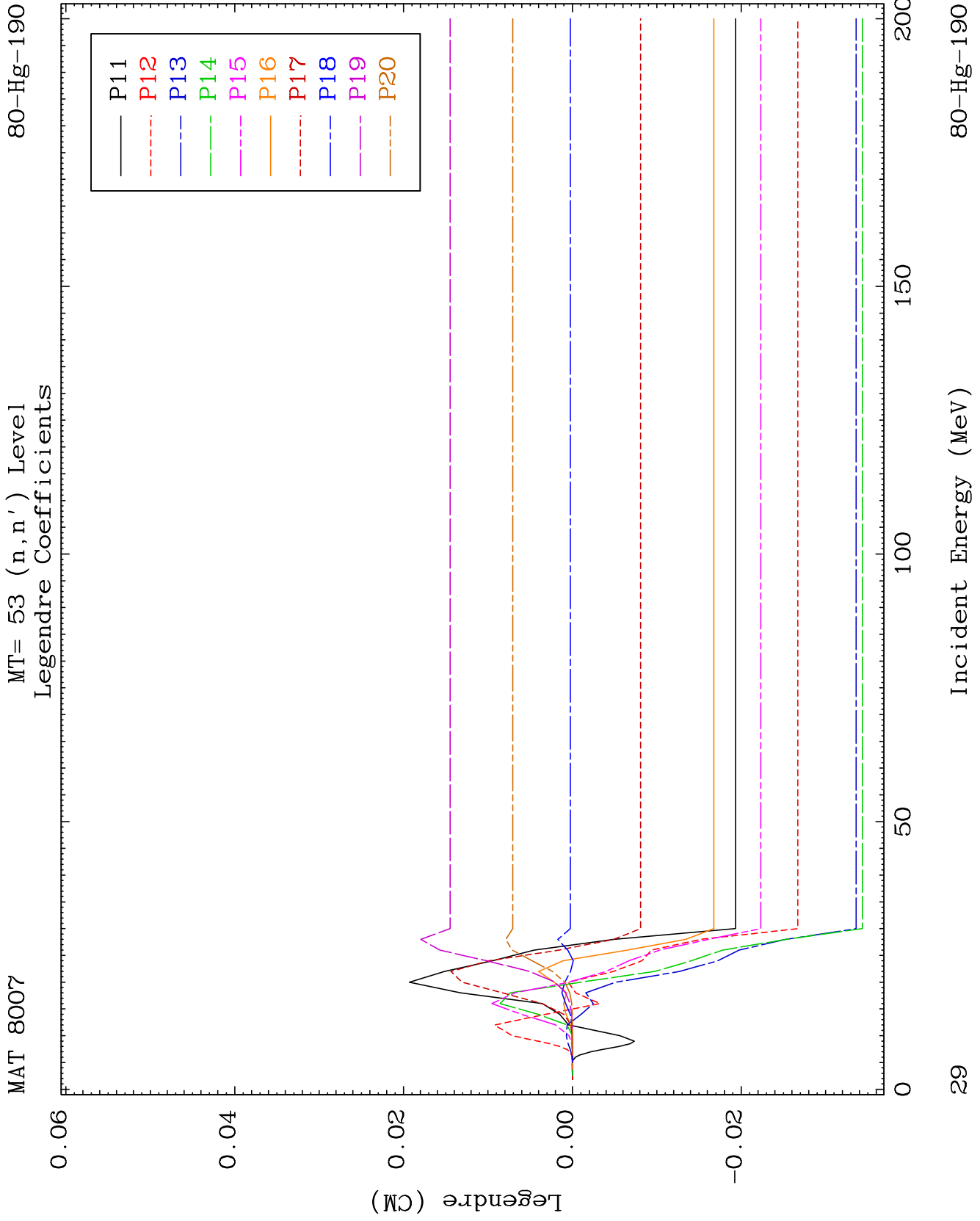
80-Hg-190



28

Incident Energy (MeV)

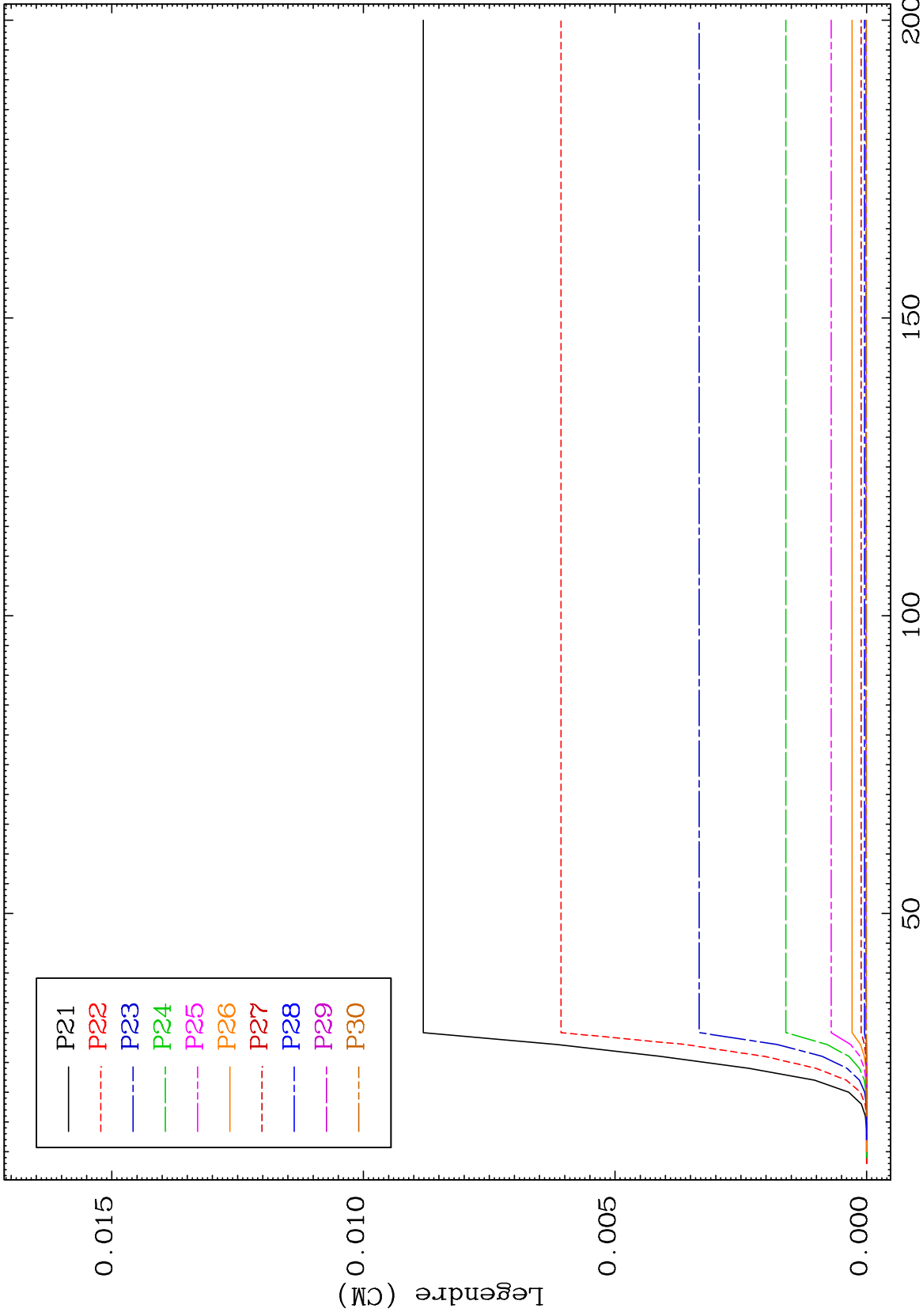
80-Hg-190



MAT 8007

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

80-Hg-190



30

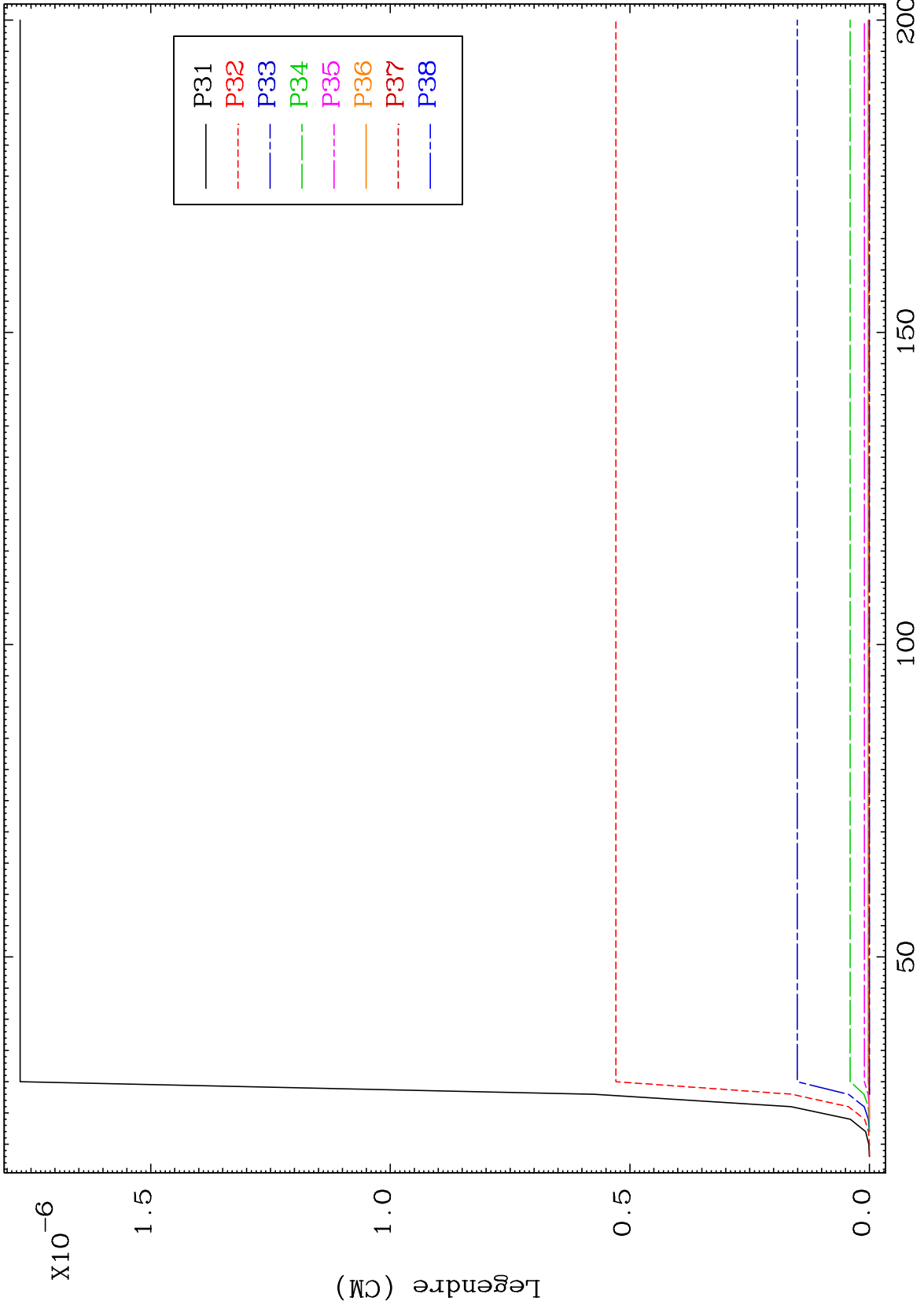
Incident Energy (MeV)

80-Hg-190

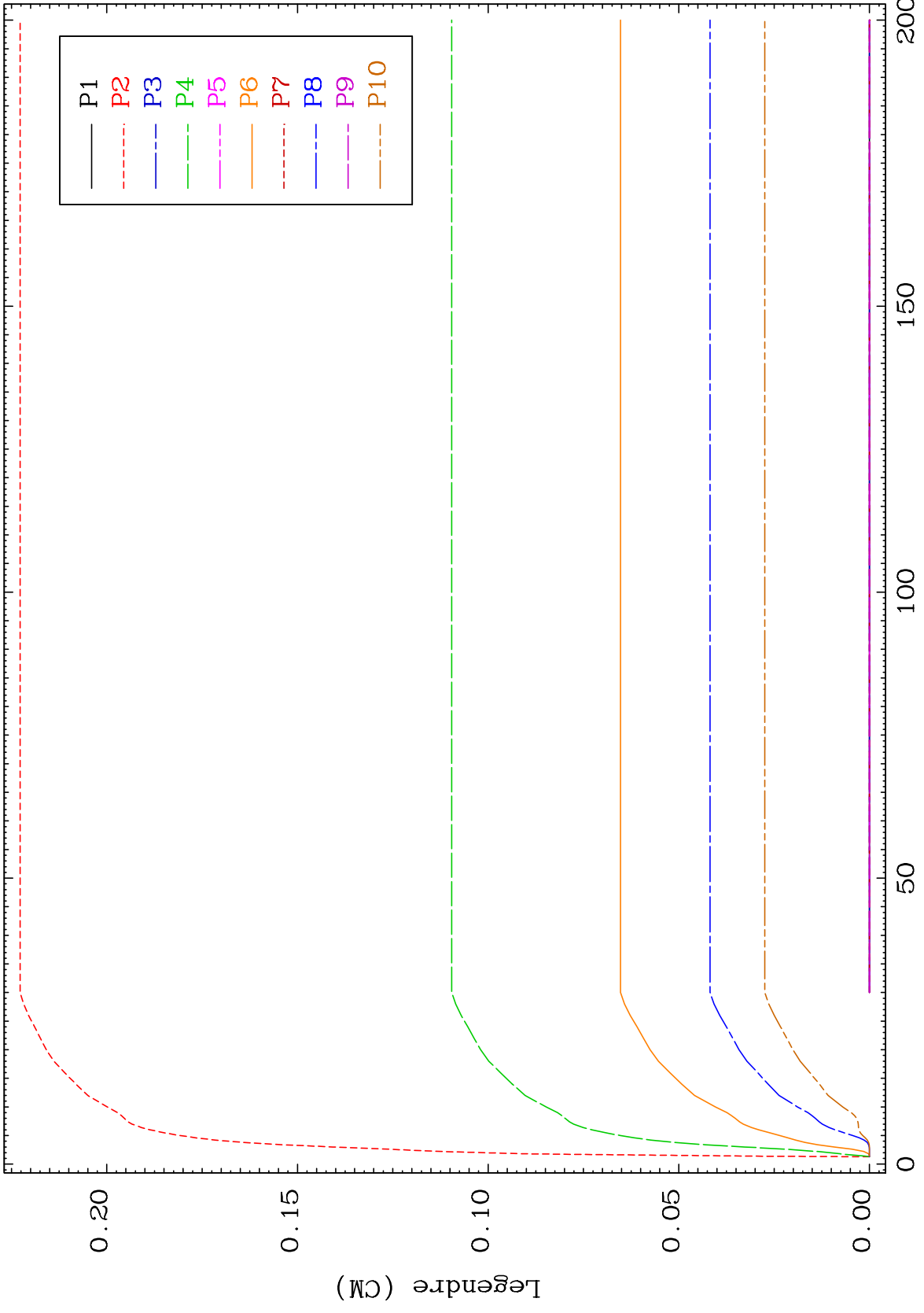
MAT 8007

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

80-Hg-190



MAT 8007 MT= 54 (n,n') Level Legendre Coefficients 80-Hg-190

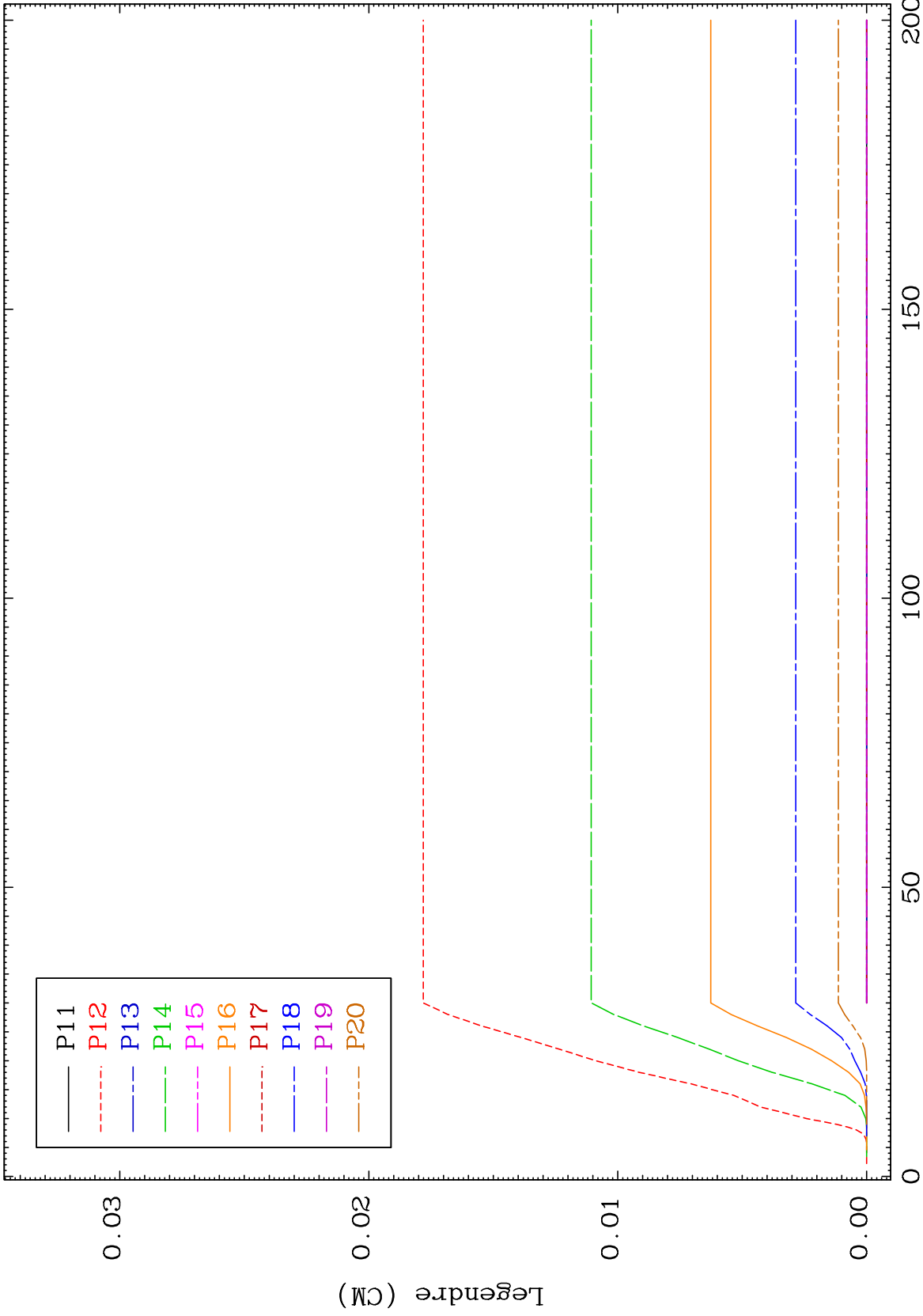


Incident Energy (MeV) 80-Hg-190

MAT 8007

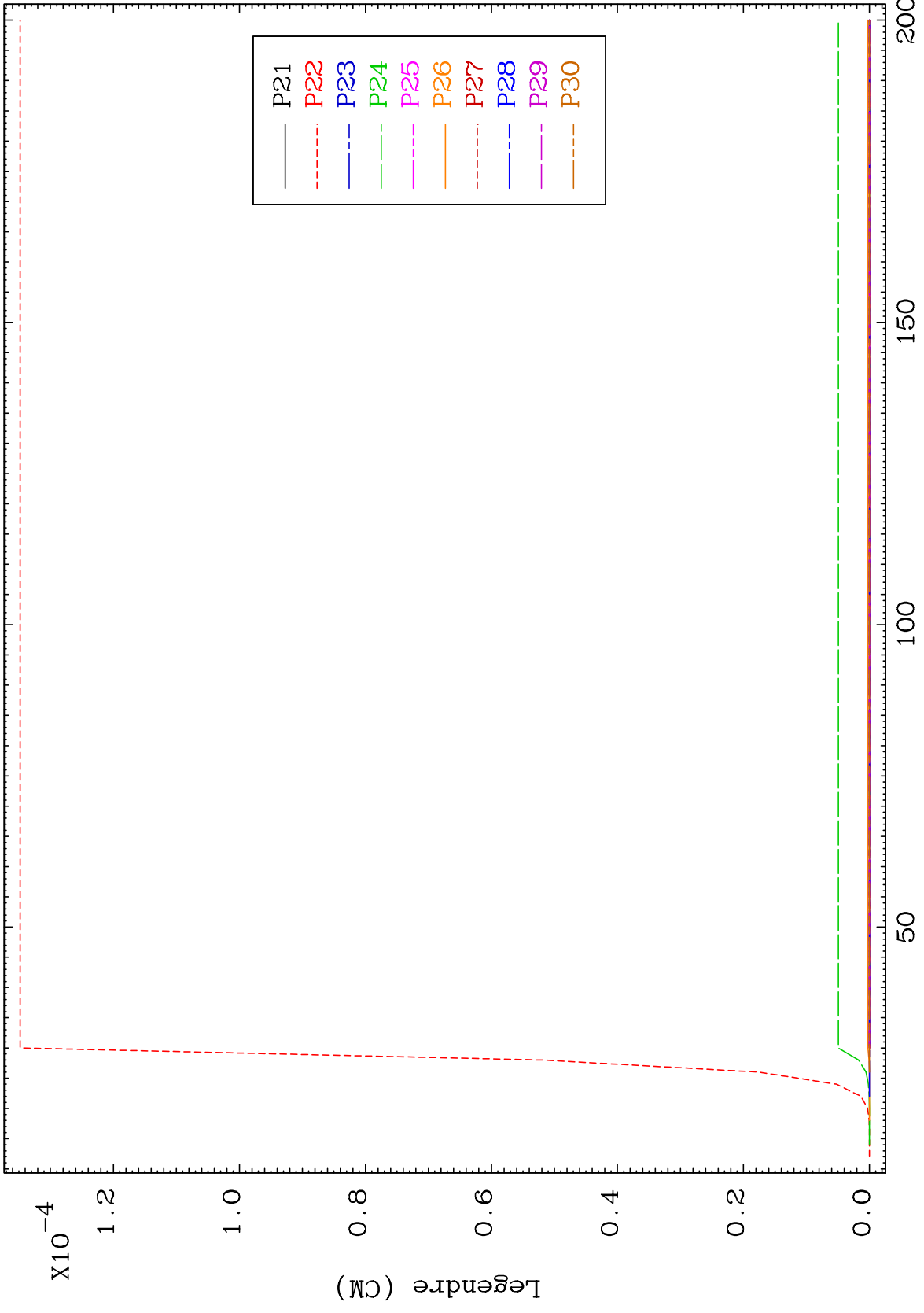
MT= 54 (n,n') Level
Legendre Coefficients

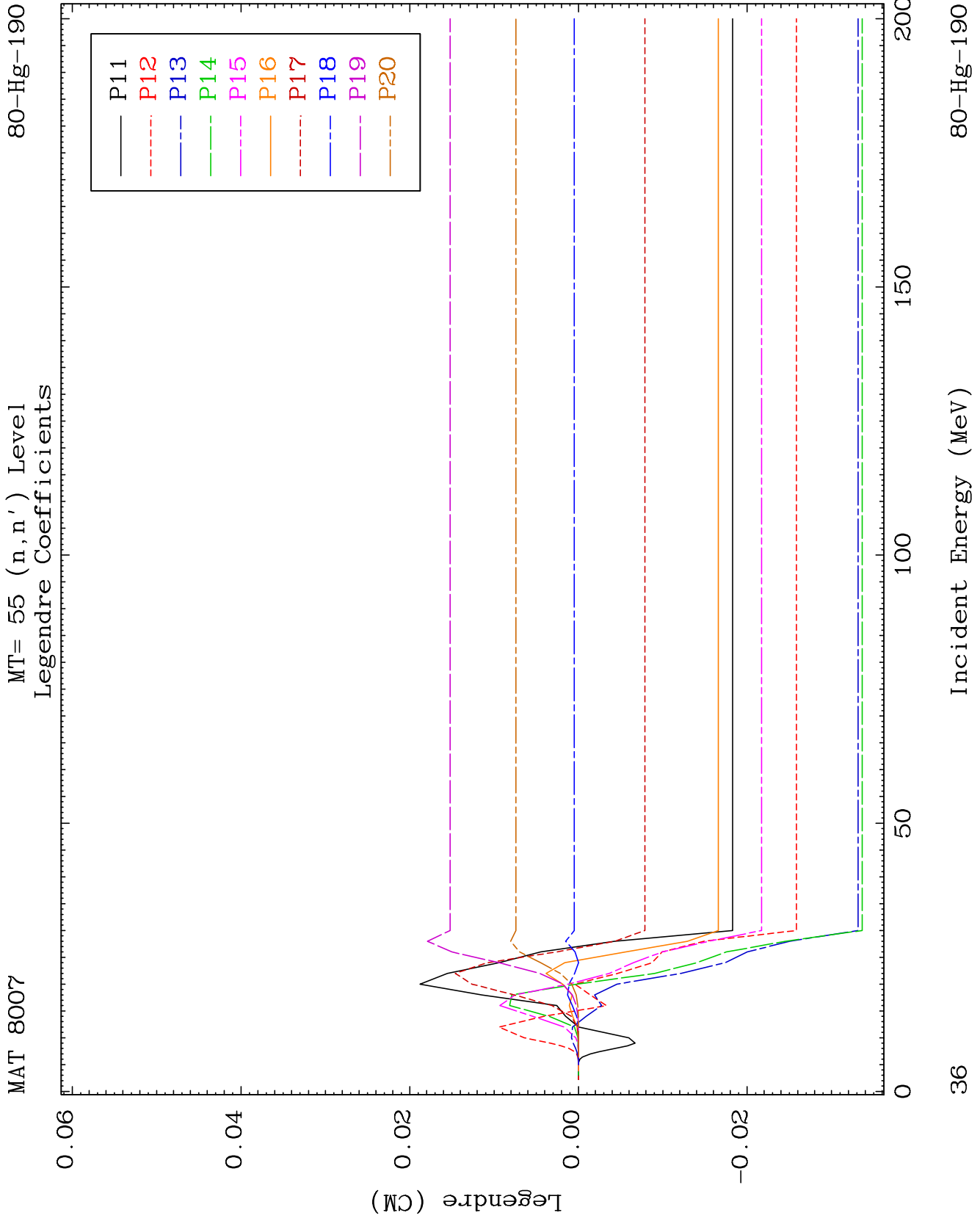
80-Hg-190



33

MAT 8007 MT= 54 (n,n') Level Legendre Coefficients 80-Hg-190

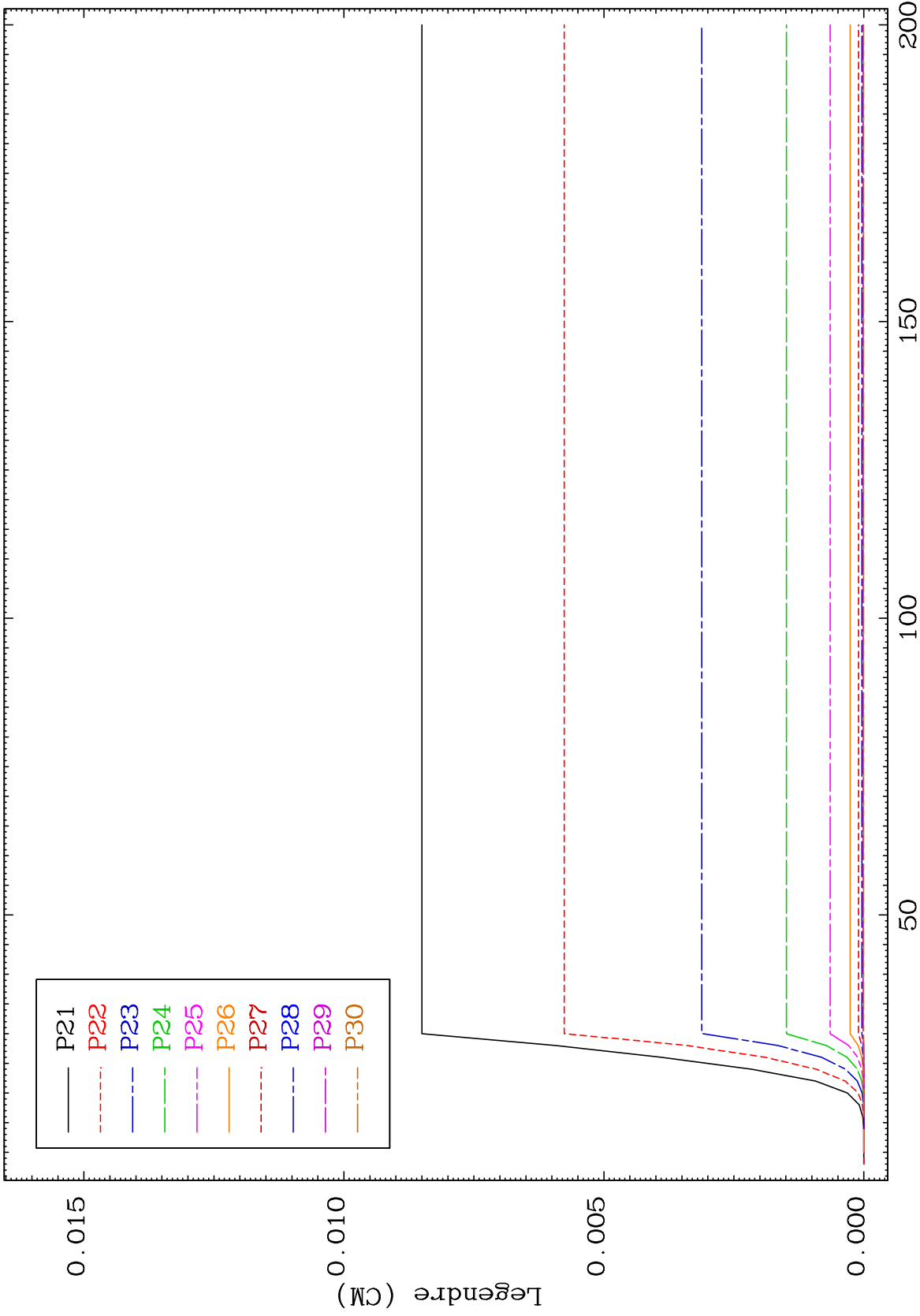




MAT 8007

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

80-Hg-190



37

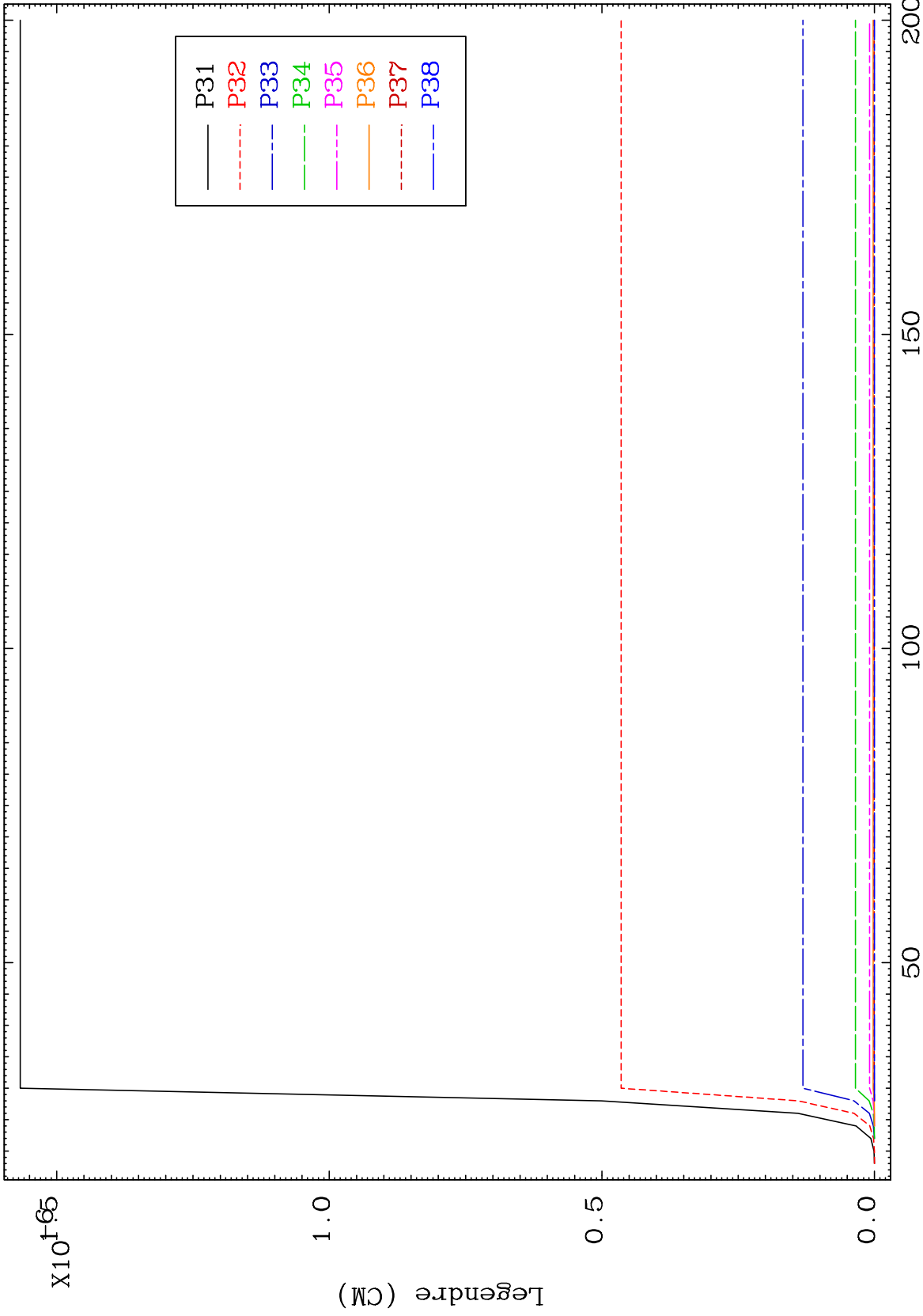
Incident Energy (MeV)

80-Hg-190

MAT 8007

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

80-Hg-190



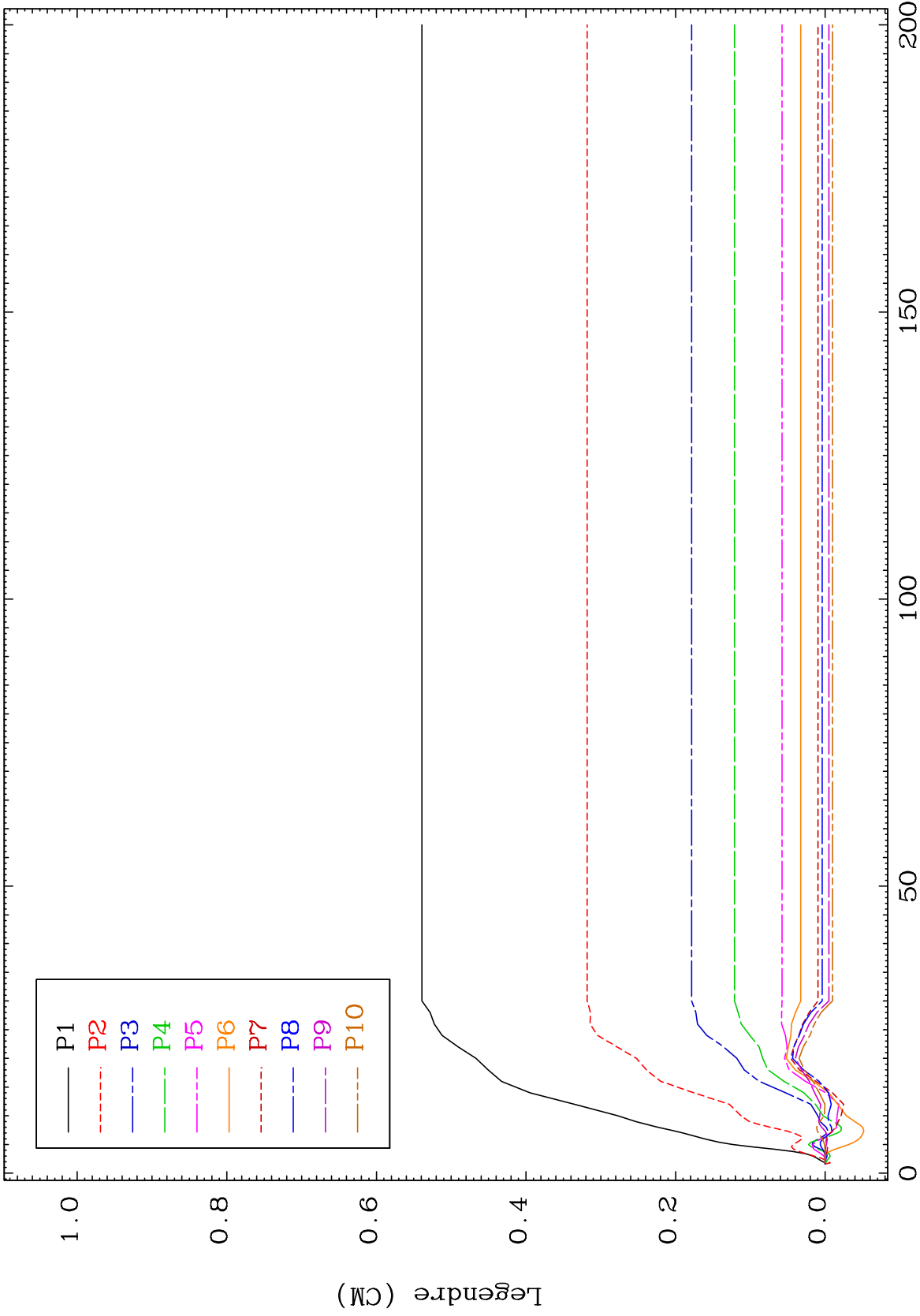
38

80-Hg-190

MAT 8007

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

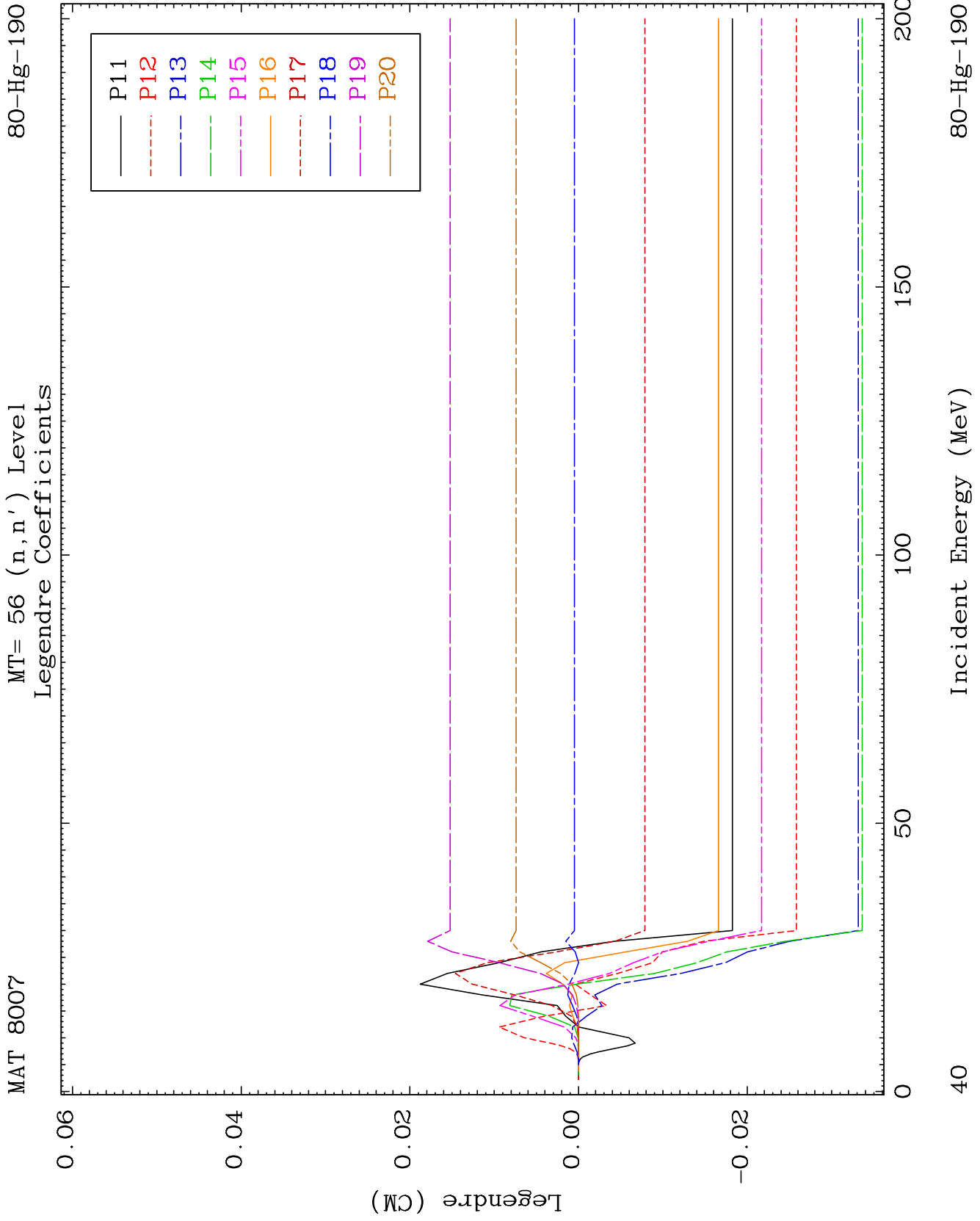
80-Hg-190



39

Incident Energy (MeV)

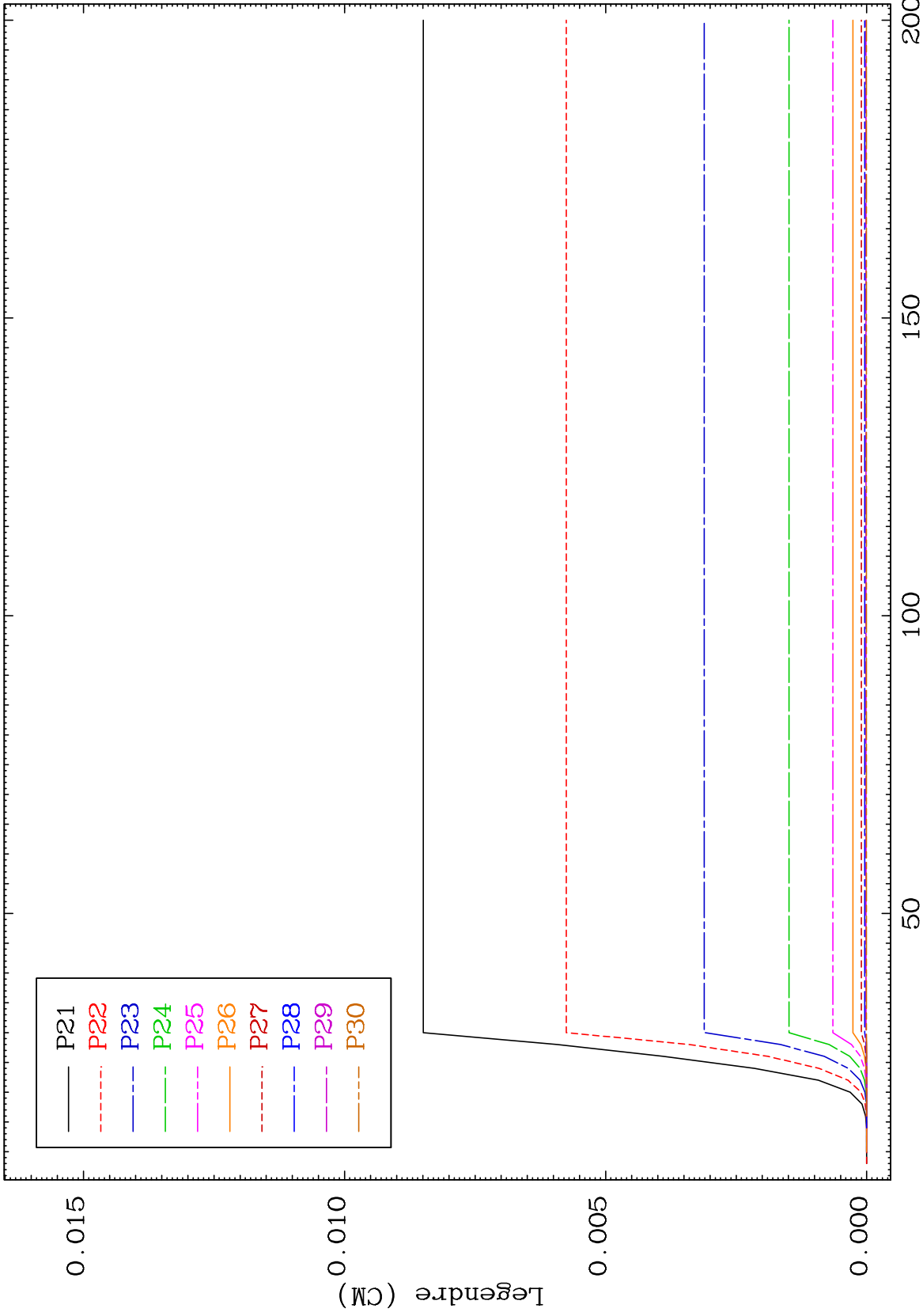
80-Hg-190



MAT 8007

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

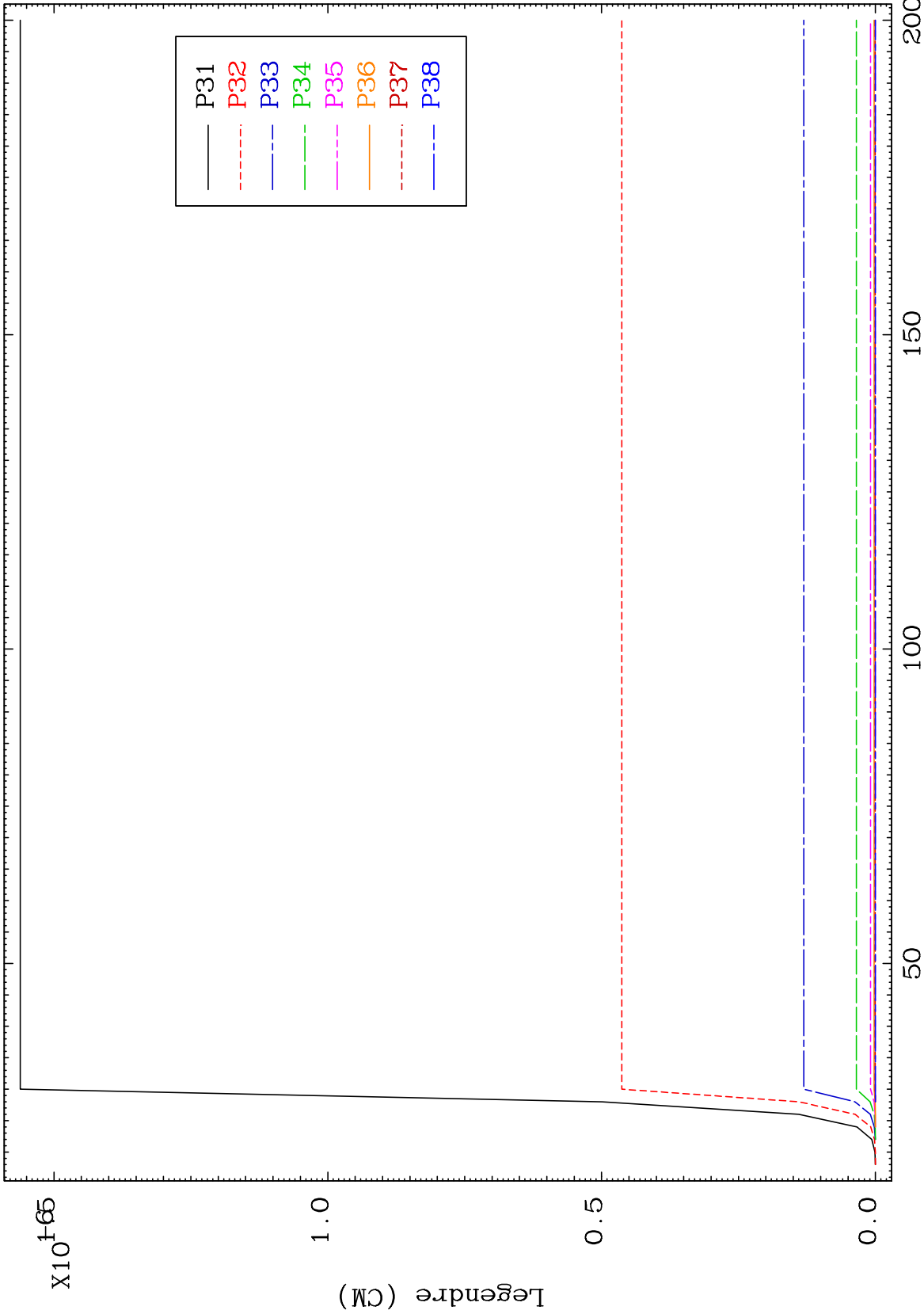
80-Hg-190



MAT 8007

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

80-Hg-190

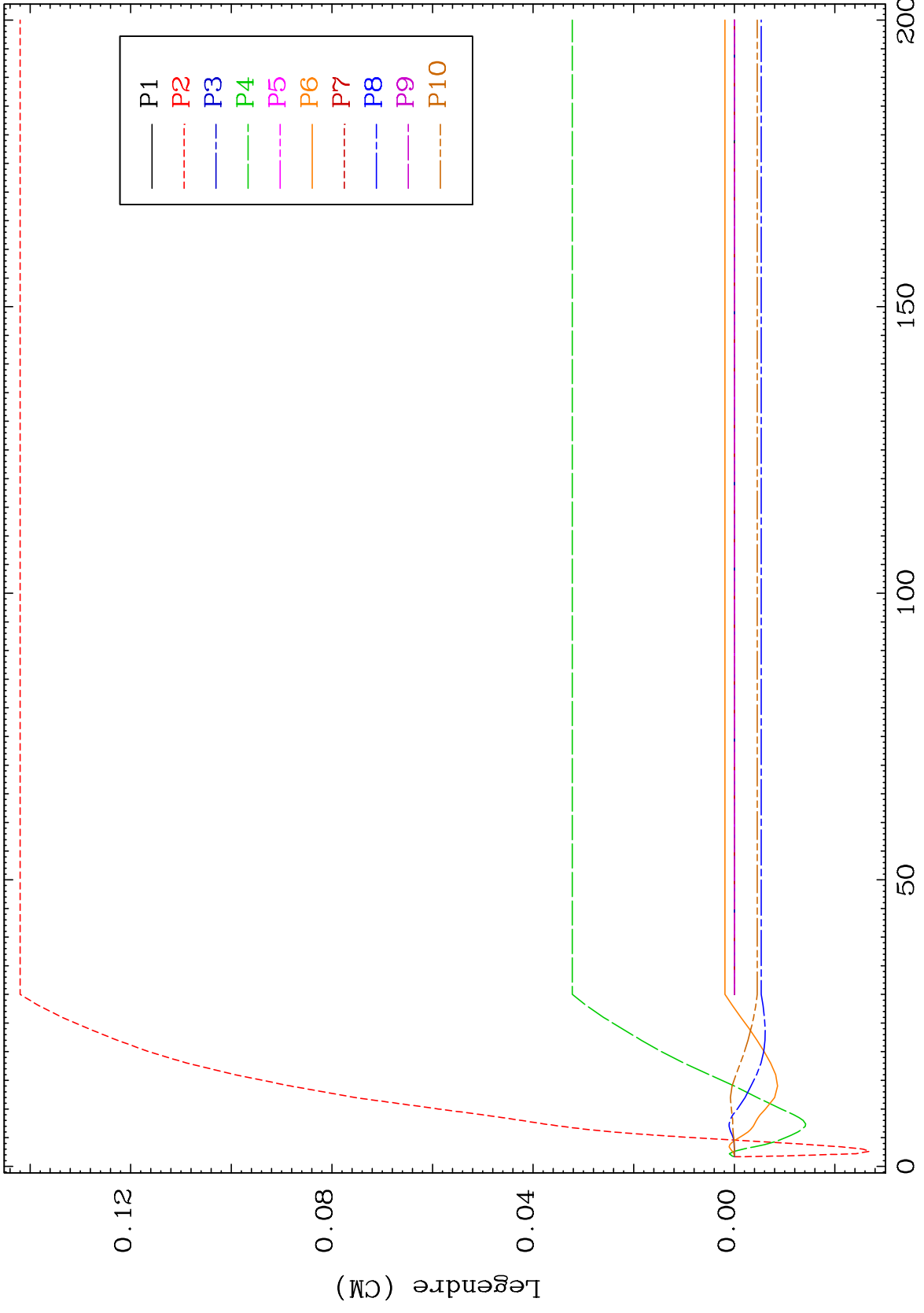


42

Incident Energy (MeV)

80-Hg-190

MAT 8007 MT= 57 (n,n') Level Legendre Coefficients 80-Hg-190

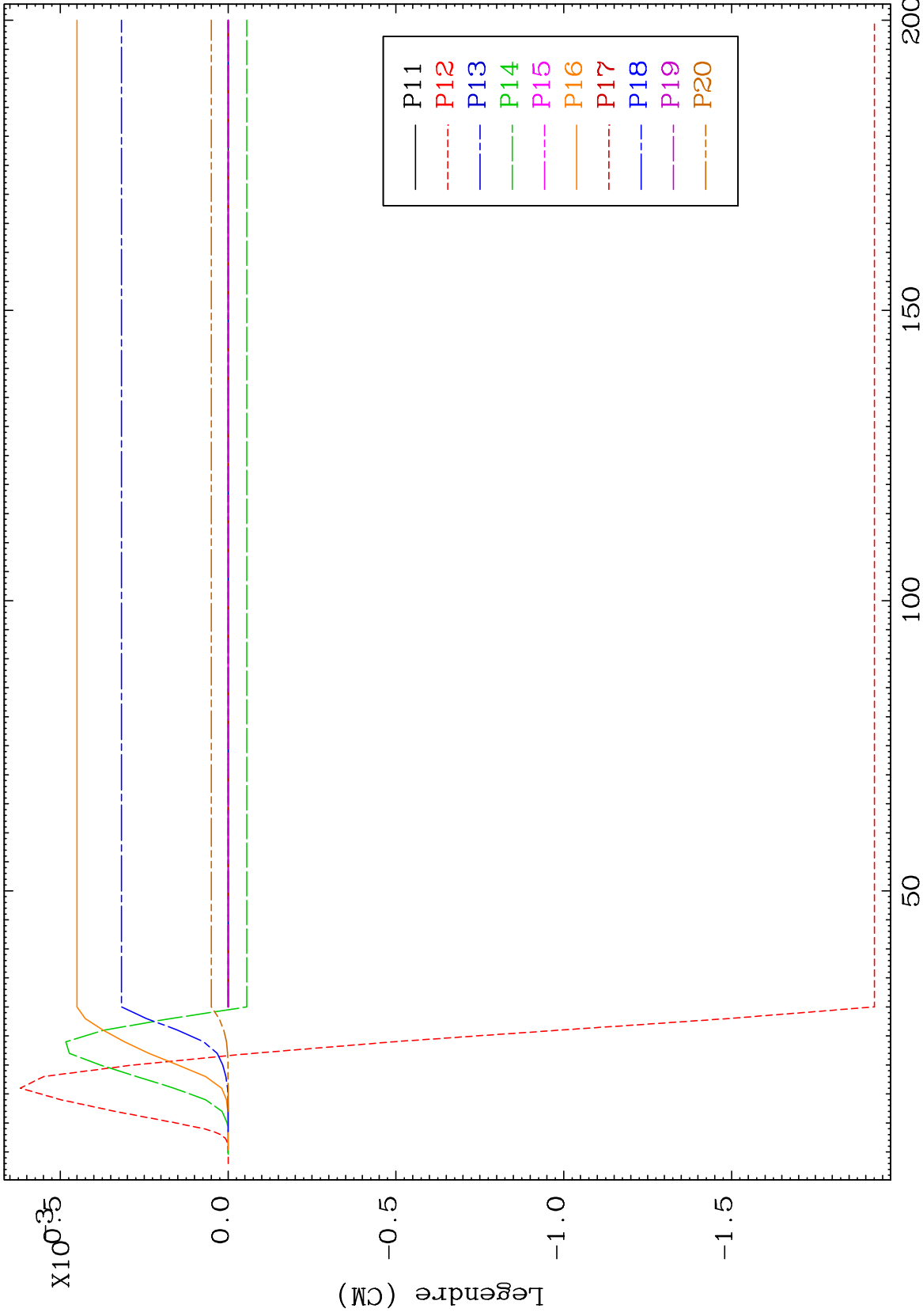


43 80-Hg-190

MAT 8007

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

80-Hg-190

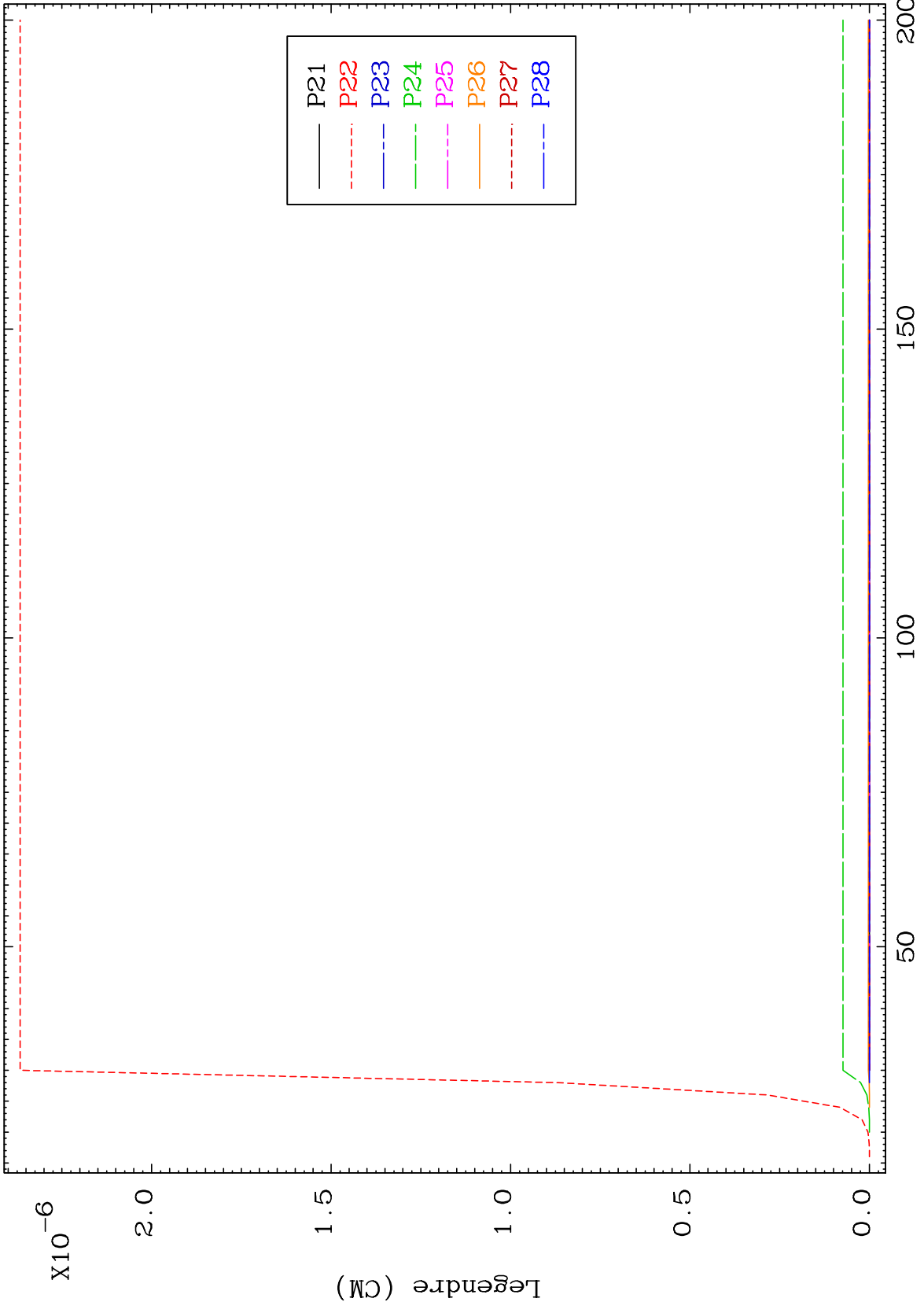


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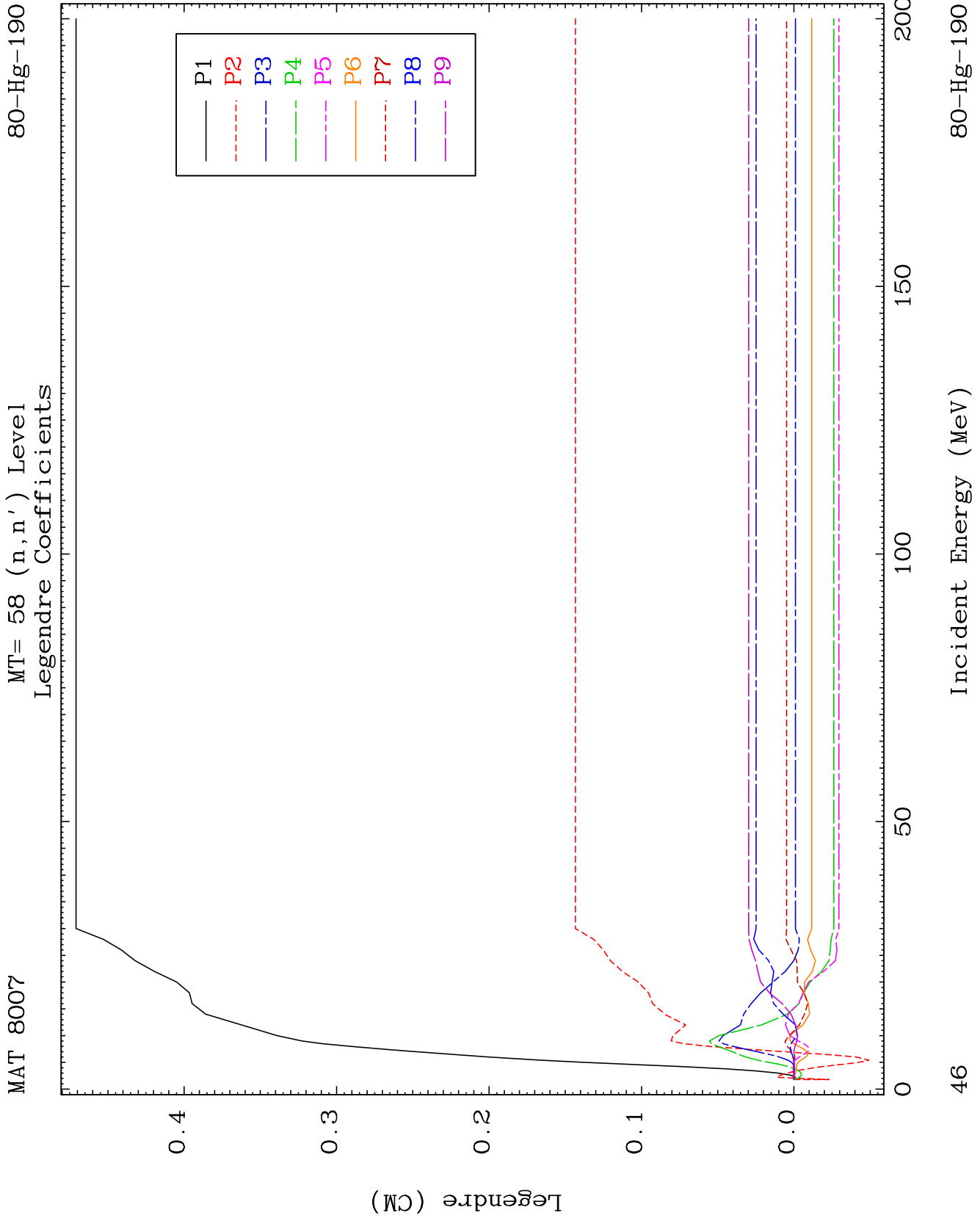
Incident Energy (MeV)

80-Hg-190

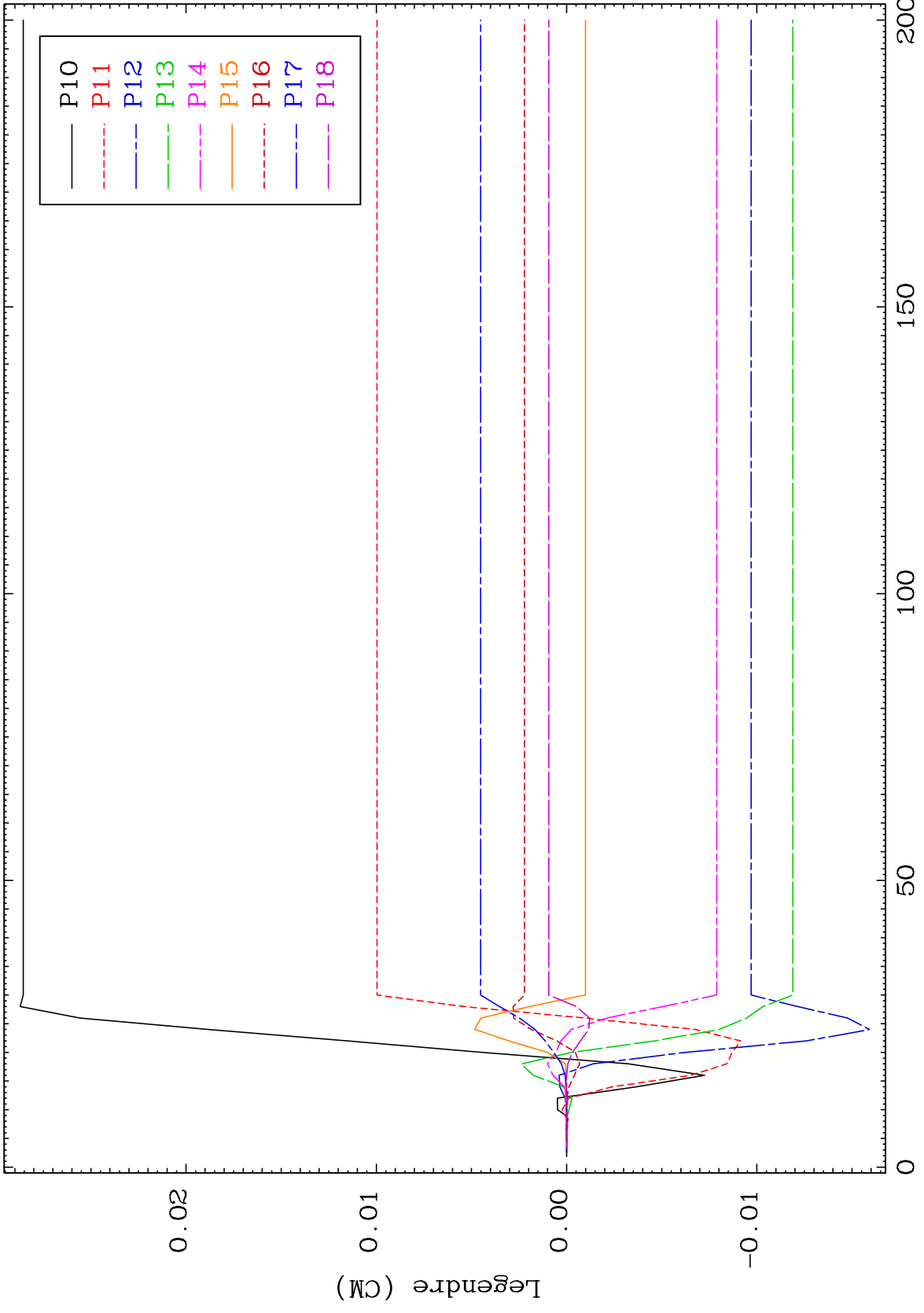
MAT 8007 MT= 57 (n,n') Level Legendre Coefficients 80-Hg-190



45 Incident Energy (MeV) 80-Hg-190

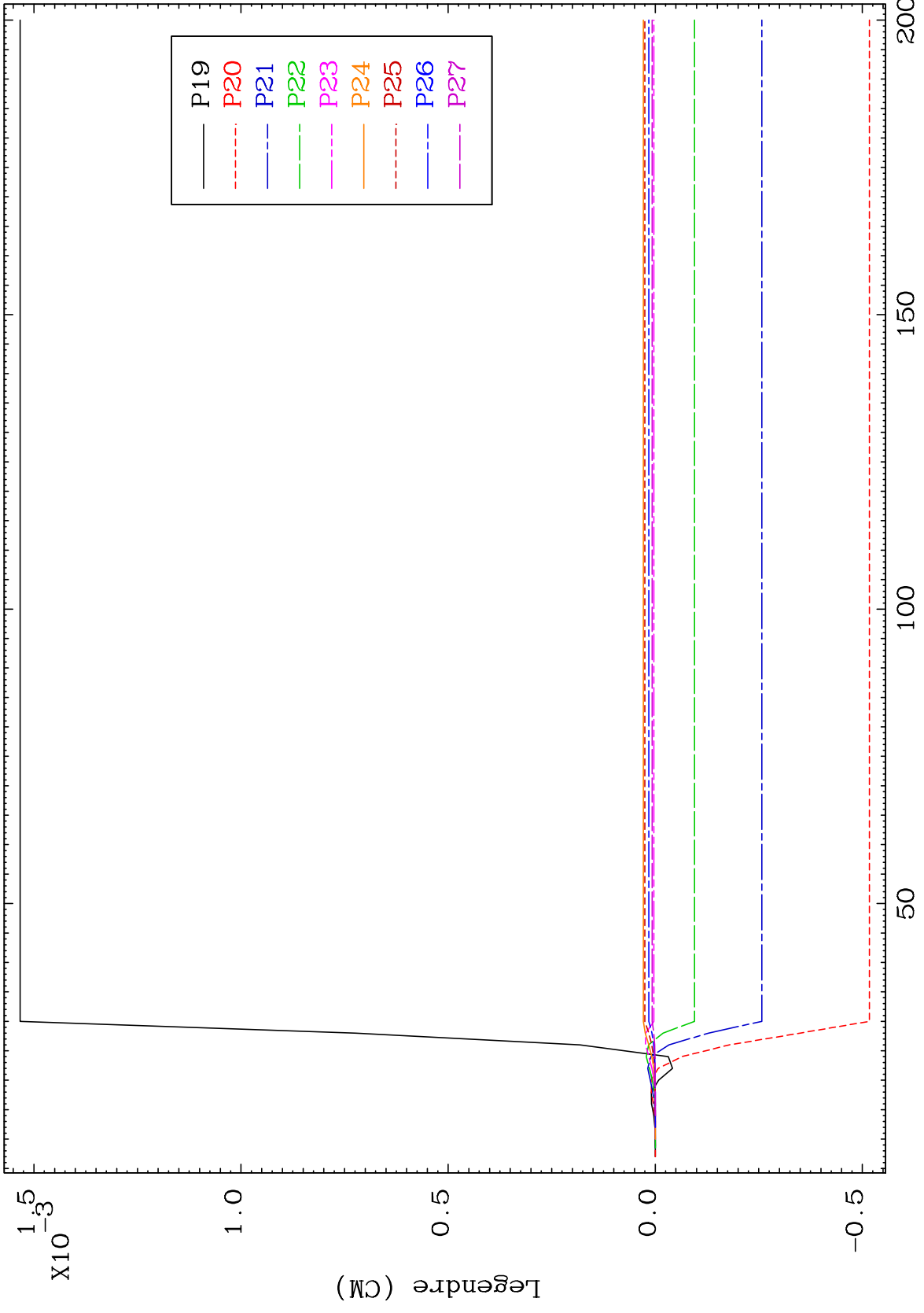


MAT 8007 MT= 58 (n,n') Level Legendre Coefficients 80-Hg-190



47 80-Hg-190

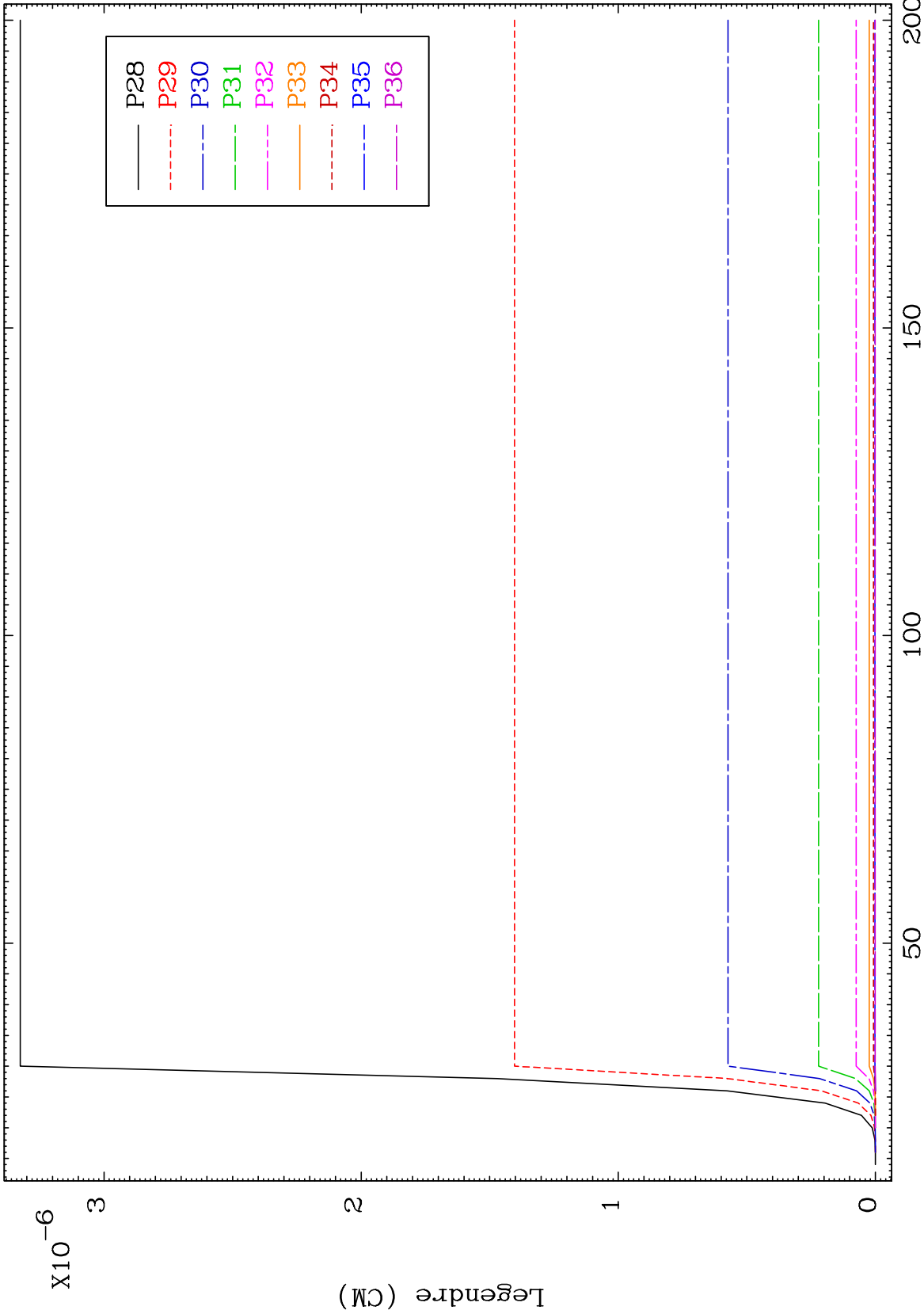
MAT 8007 MT= 58 (n,n') Level Legendre Coefficients 80-Hg-190



MAT 8007

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

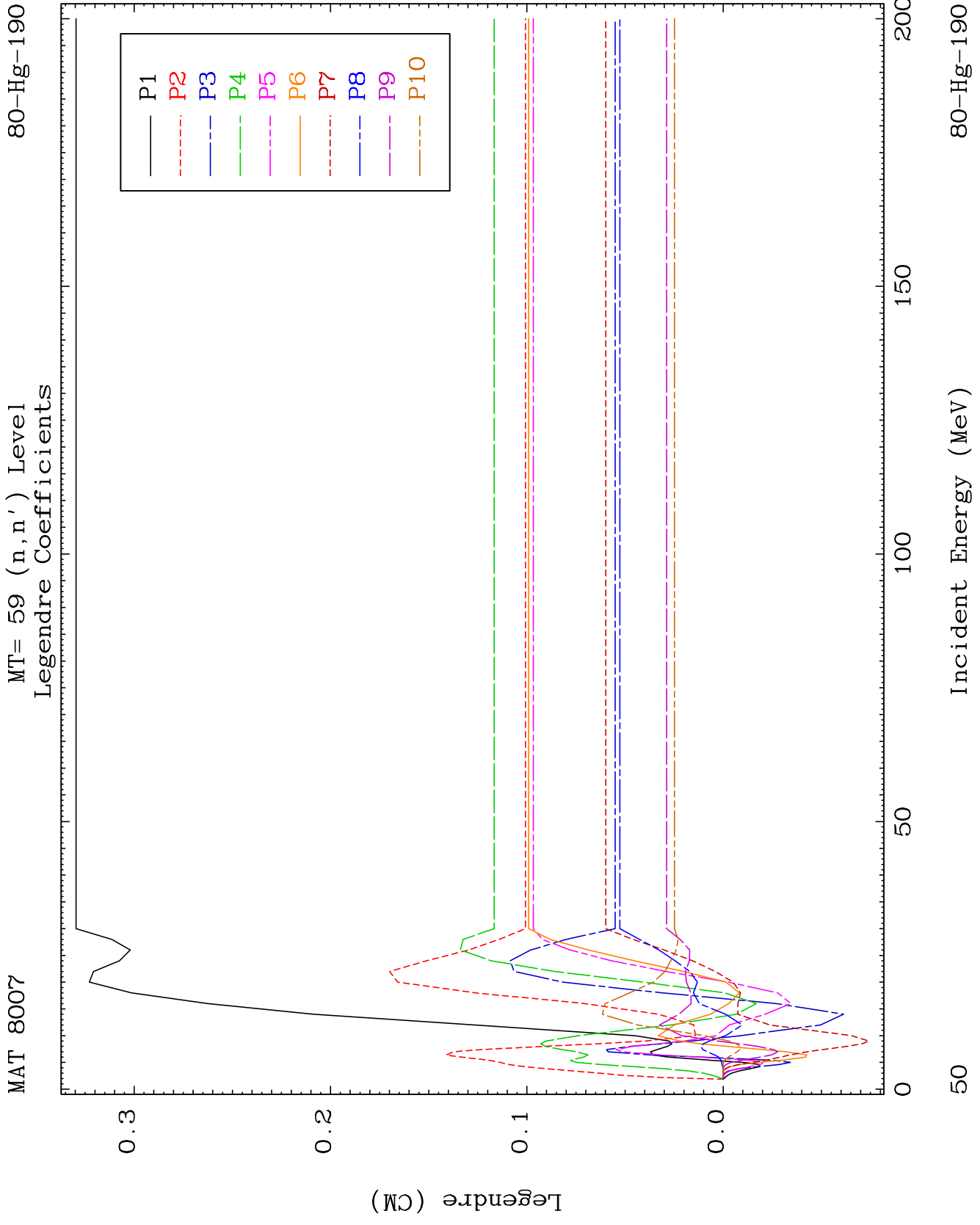
80-Hg-190

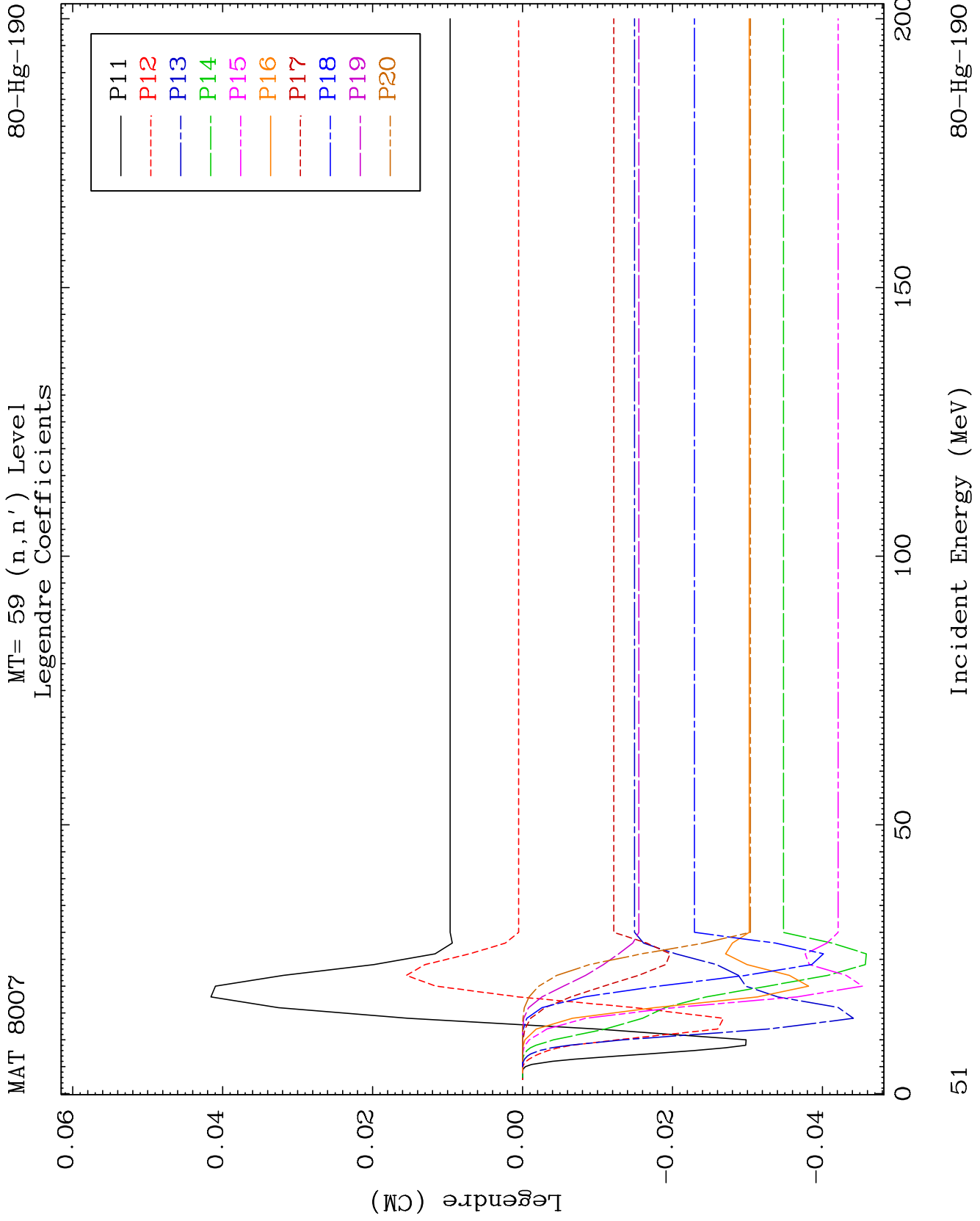


49

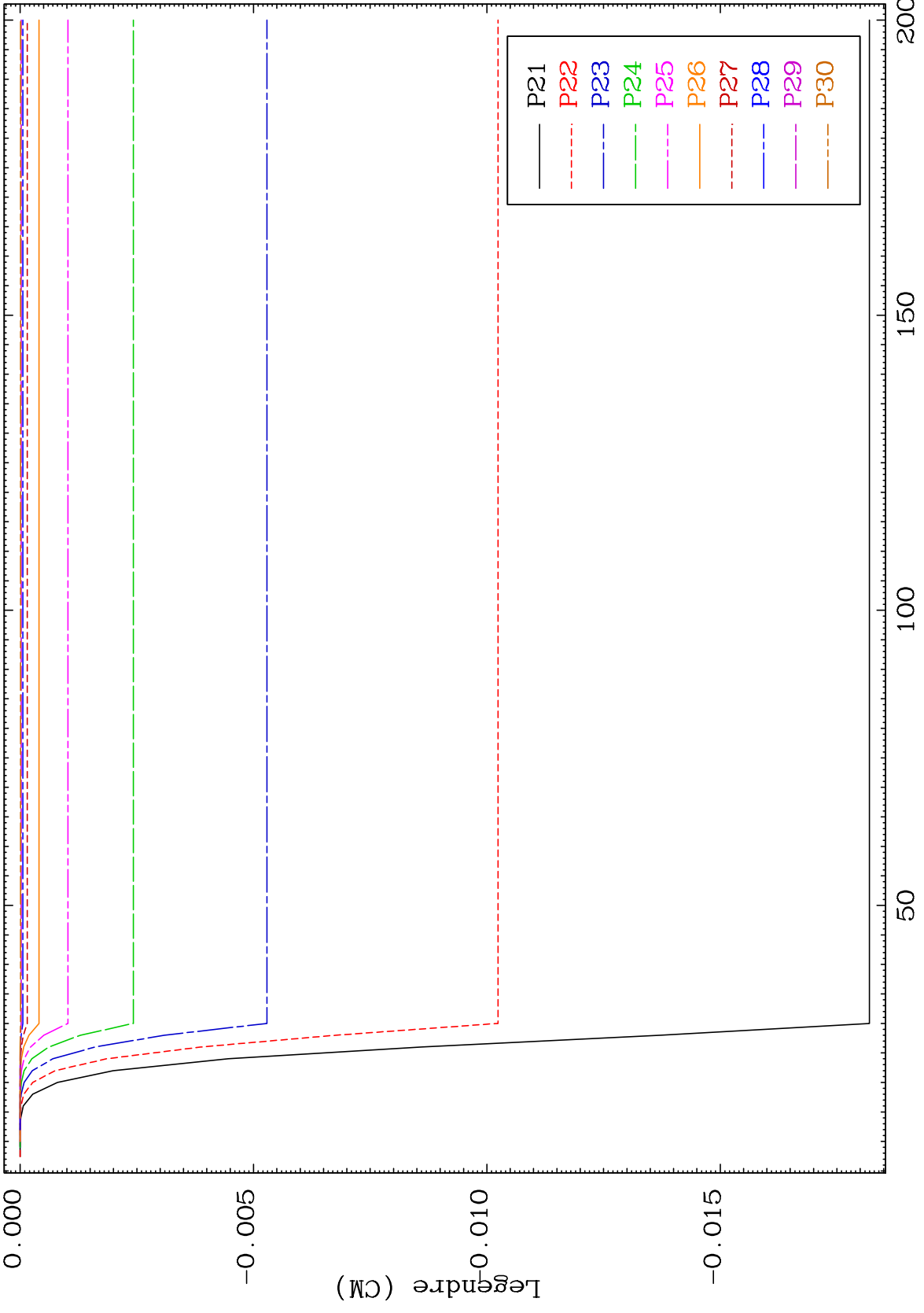
Incident Energy (MeV)

80-Hg-190





MAT 8007 MT= 59 (n,n') Level Legendre Coefficients 80-Hg-190

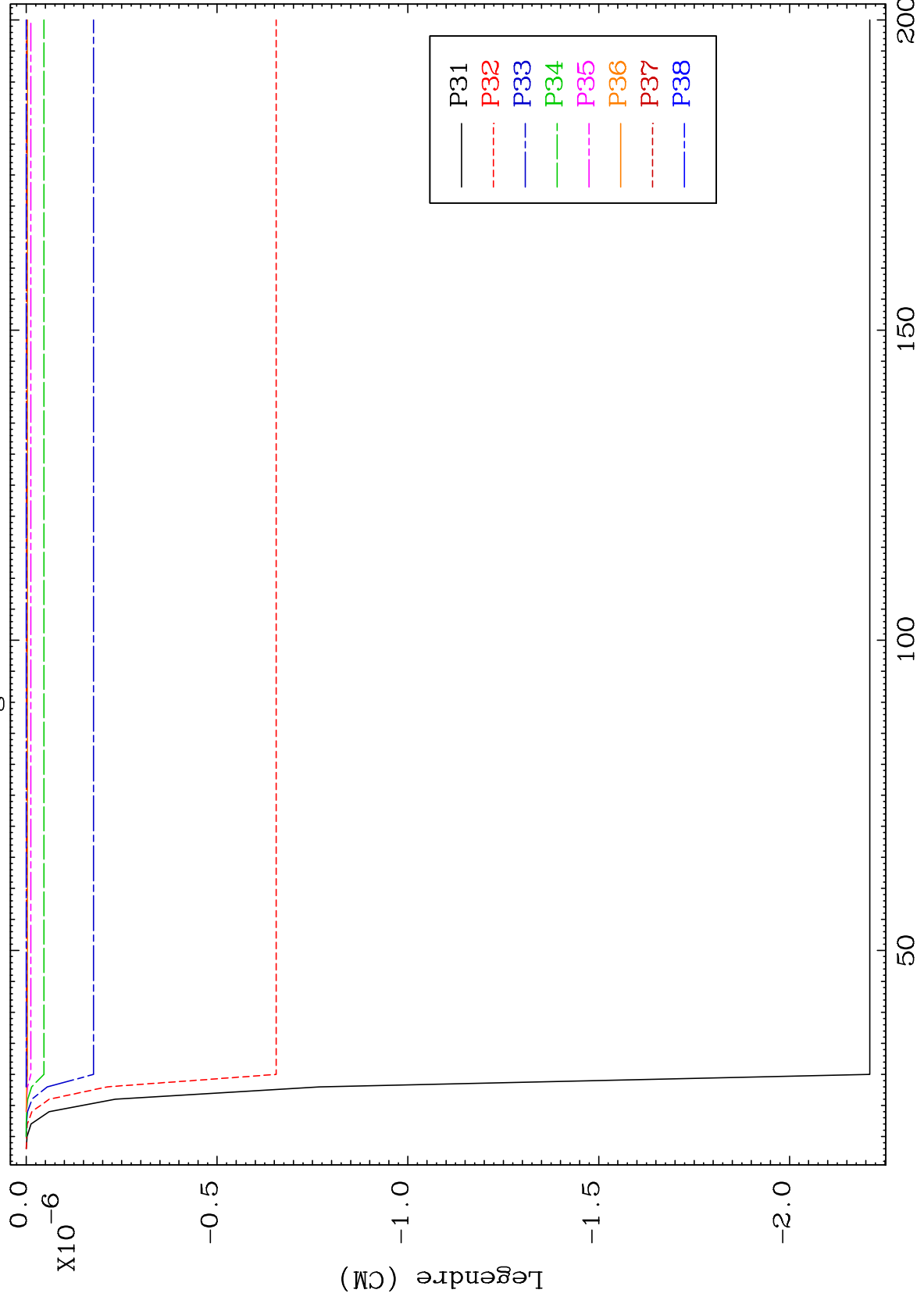


52 80-Hg-190

MAT 8007

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

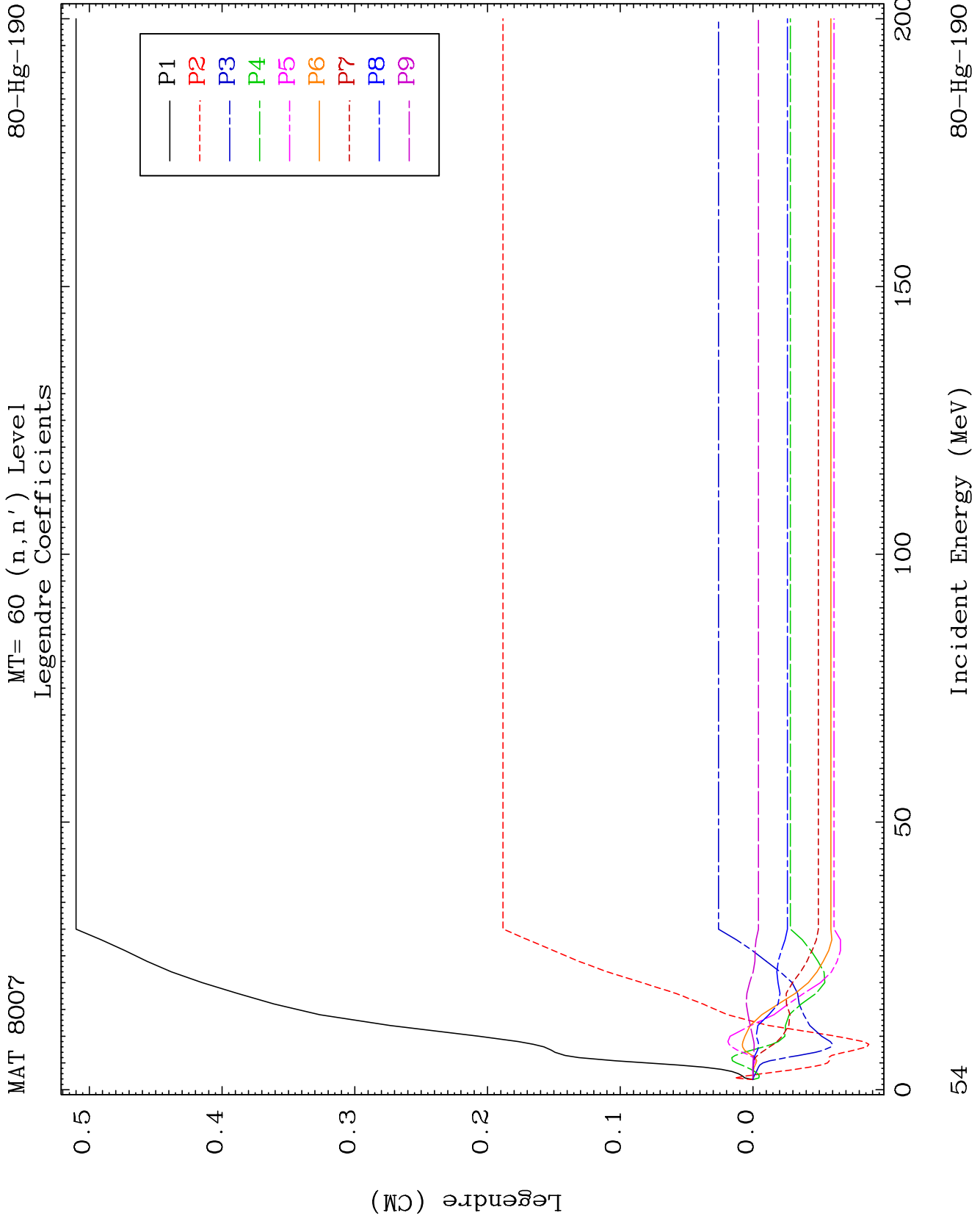
80-Hg-190



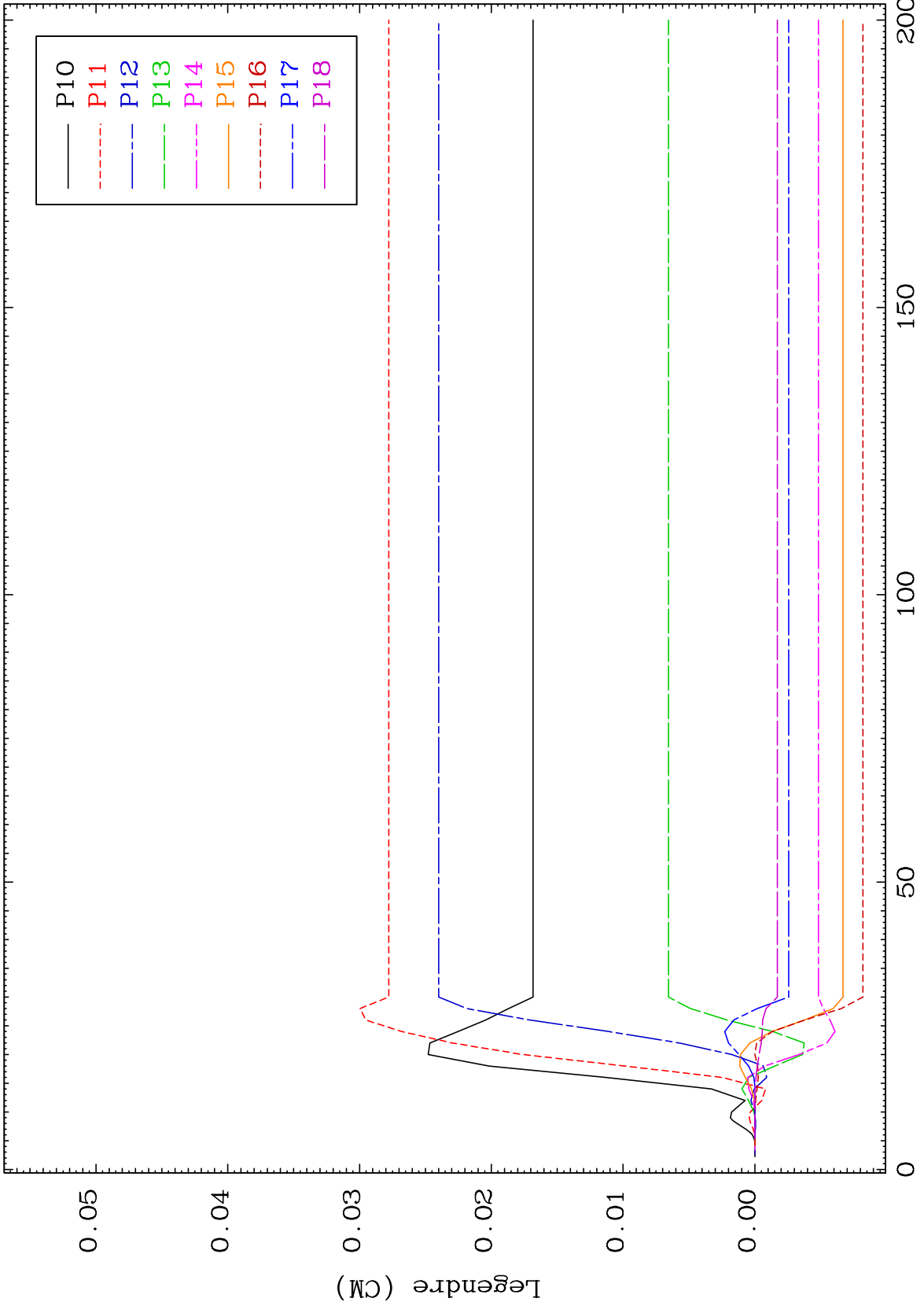
80-Hg-190

Incident Energy (MeV)

53



MAT 8007 MT= 60 (n,n') Level Legendre Coefficients 80-Hg-190

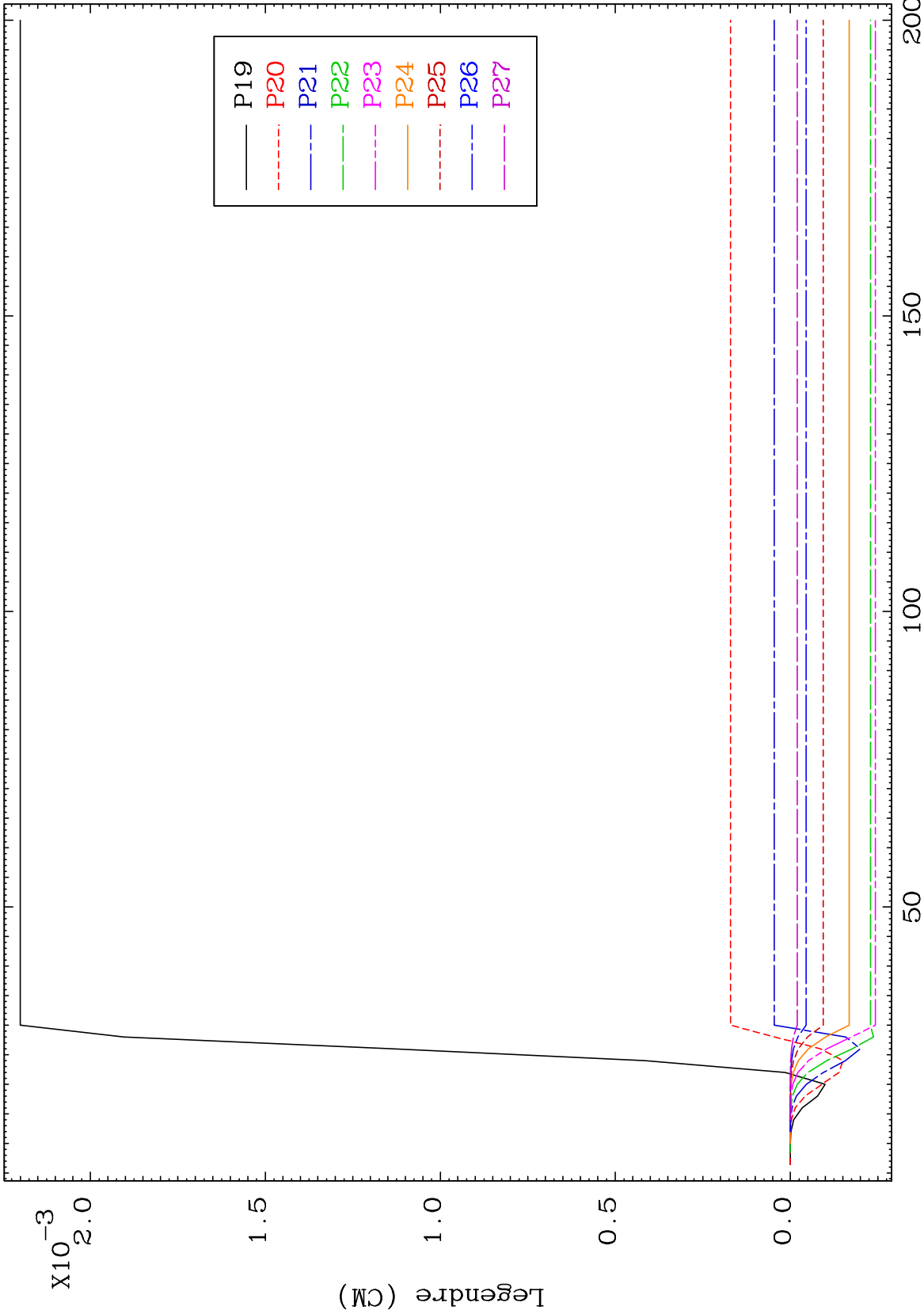


55 80-Hg-190

MAT 8007

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

80-Hg-190

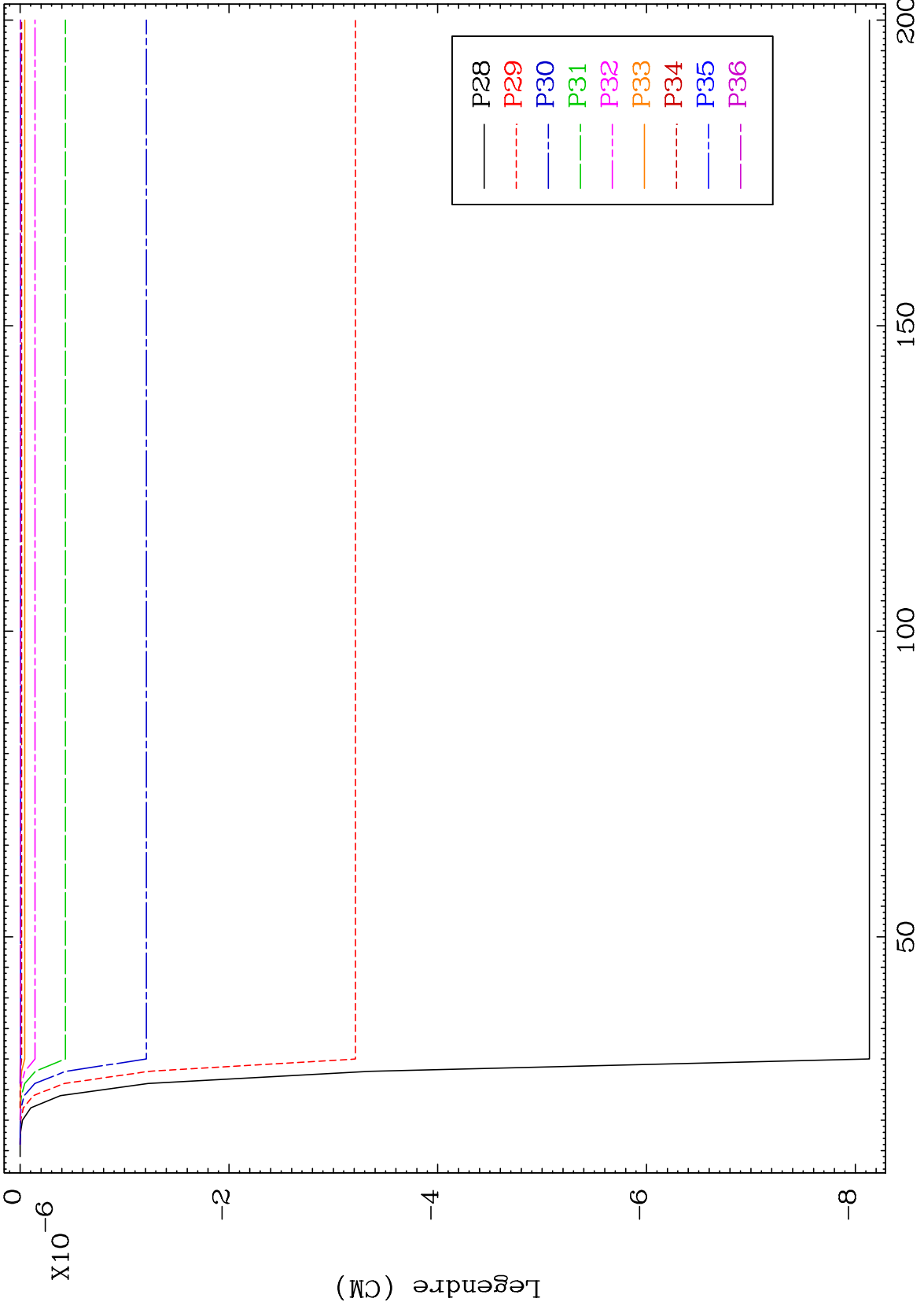


56

Incident Energy (MeV)

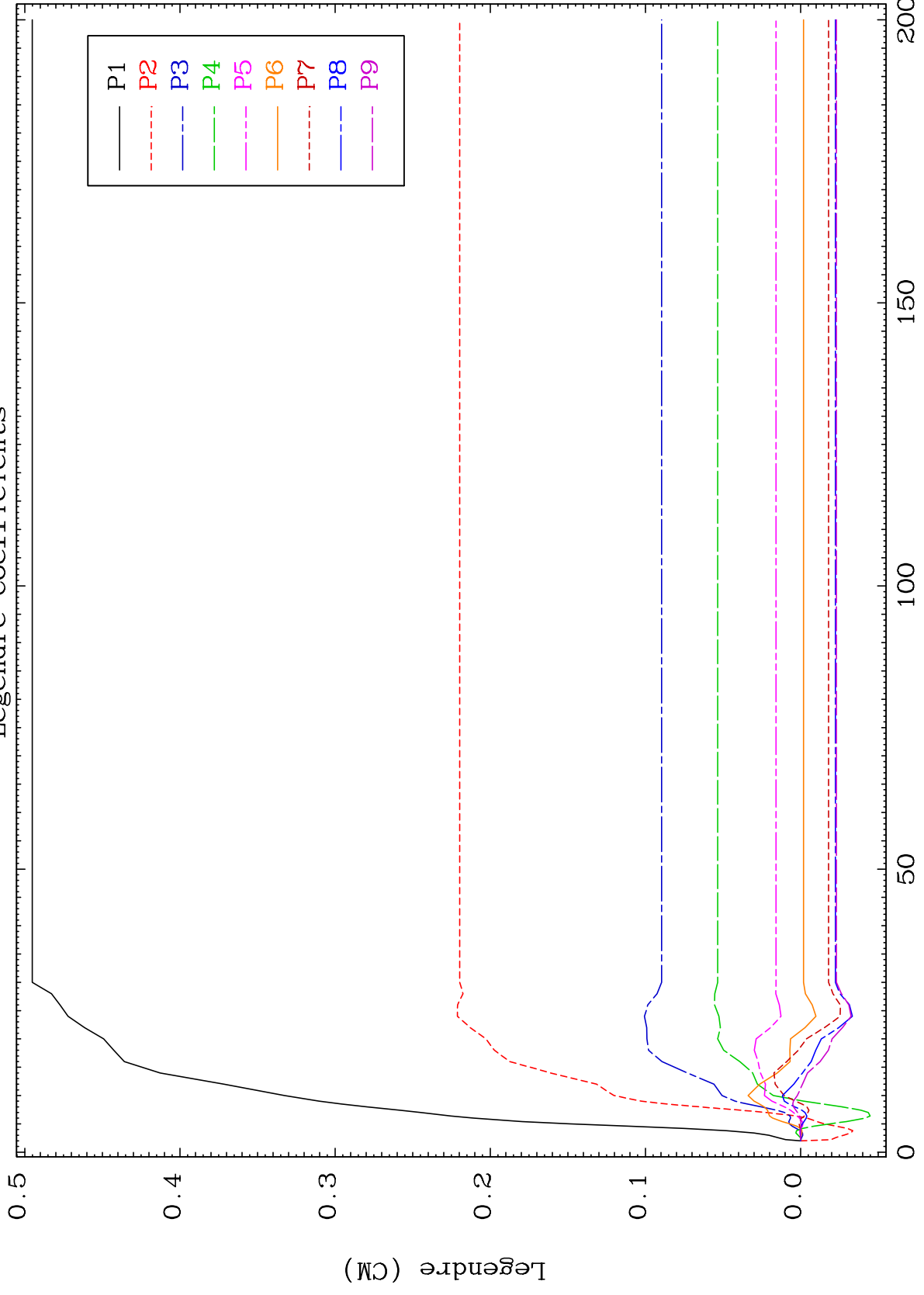
80-Hg-190

MAT 8007 MT= 60 (n,n') Level Legendre Coefficients 80-Hg-190



57 80-Hg-190

MAT 8007 MT= 61 (n,n') Level Legendre Coefficients 80-Hg-190

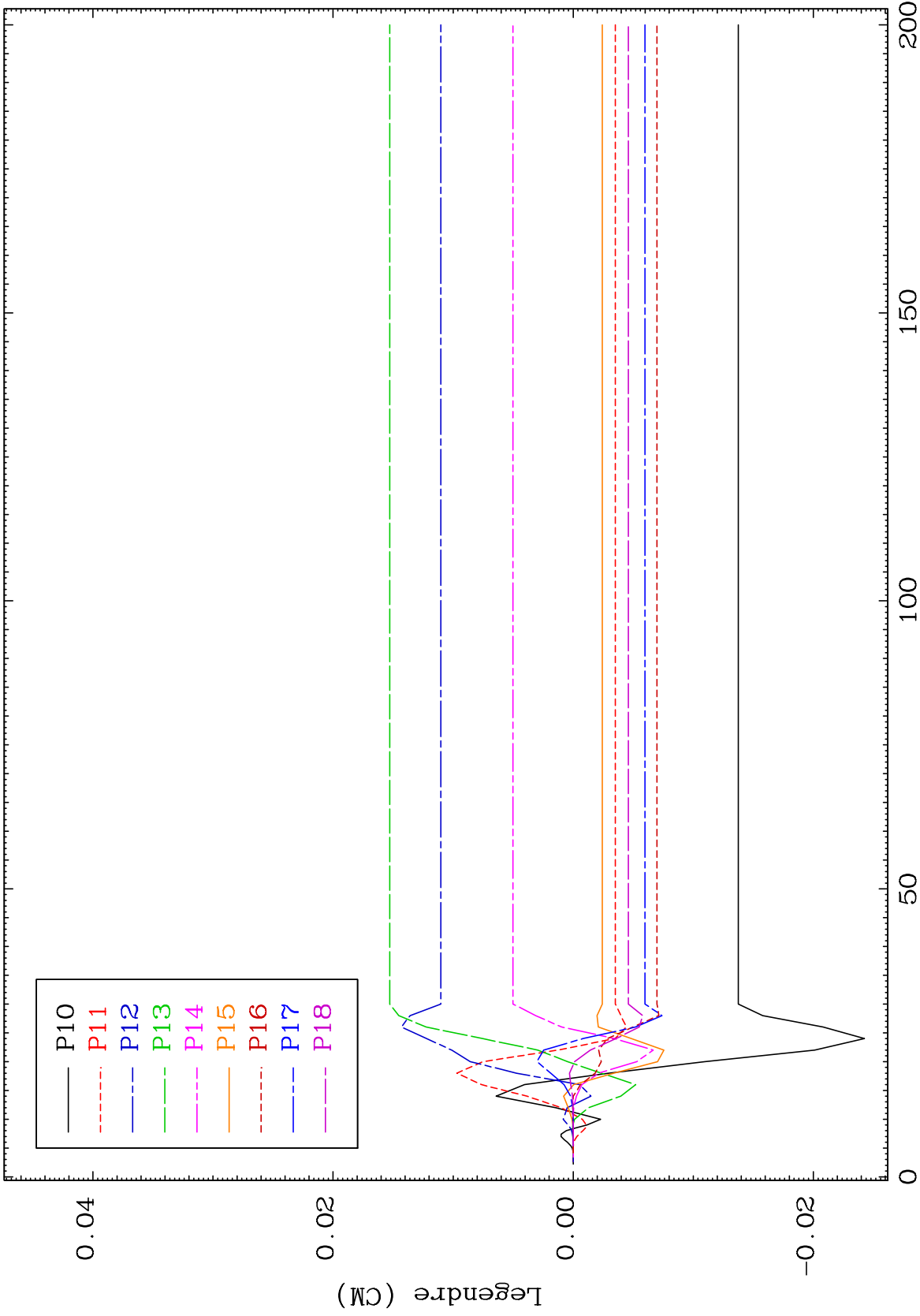


58 80-Hg-190

MAT 8007

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

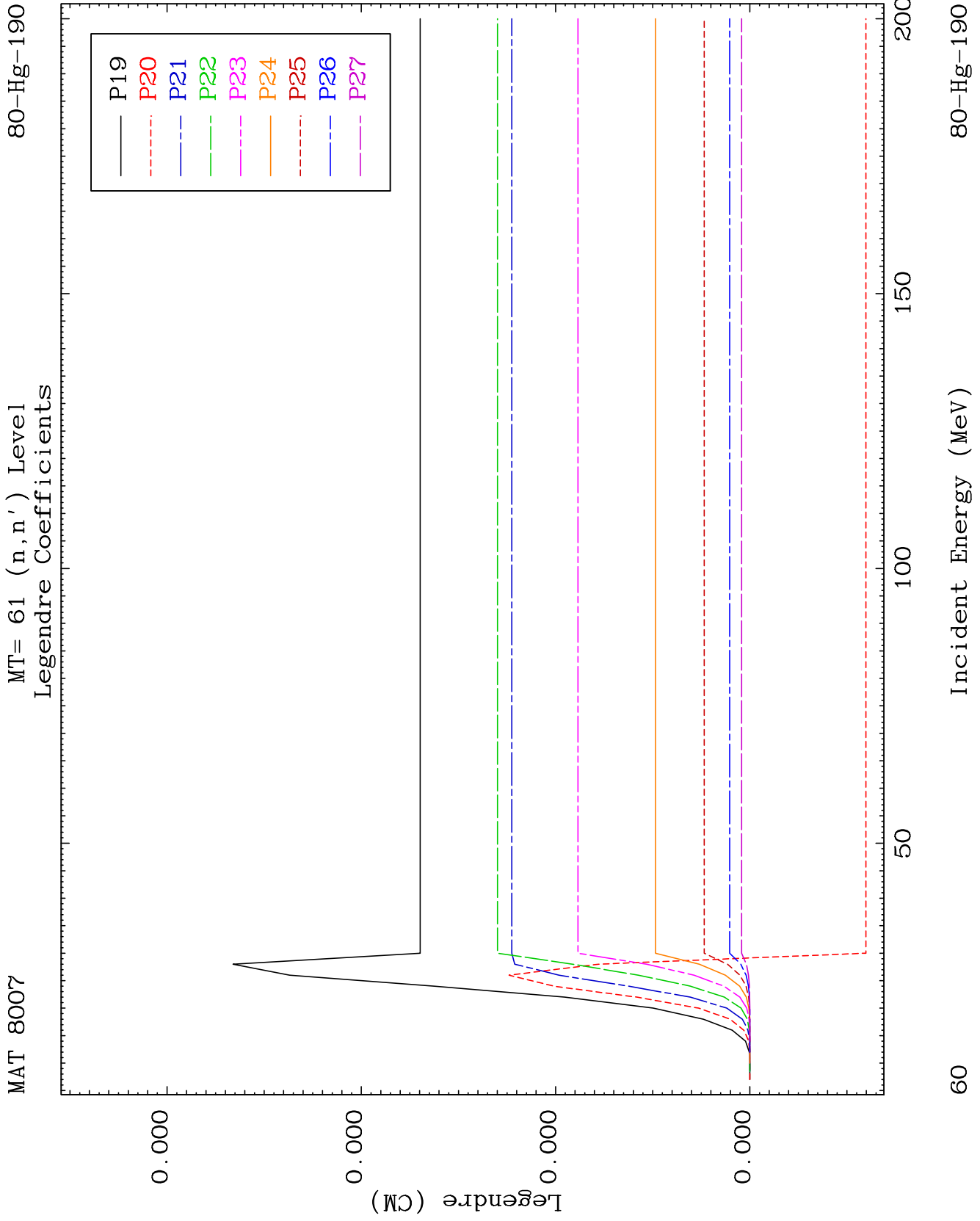
80-Hg-190



59

Incident Energy (MeV)

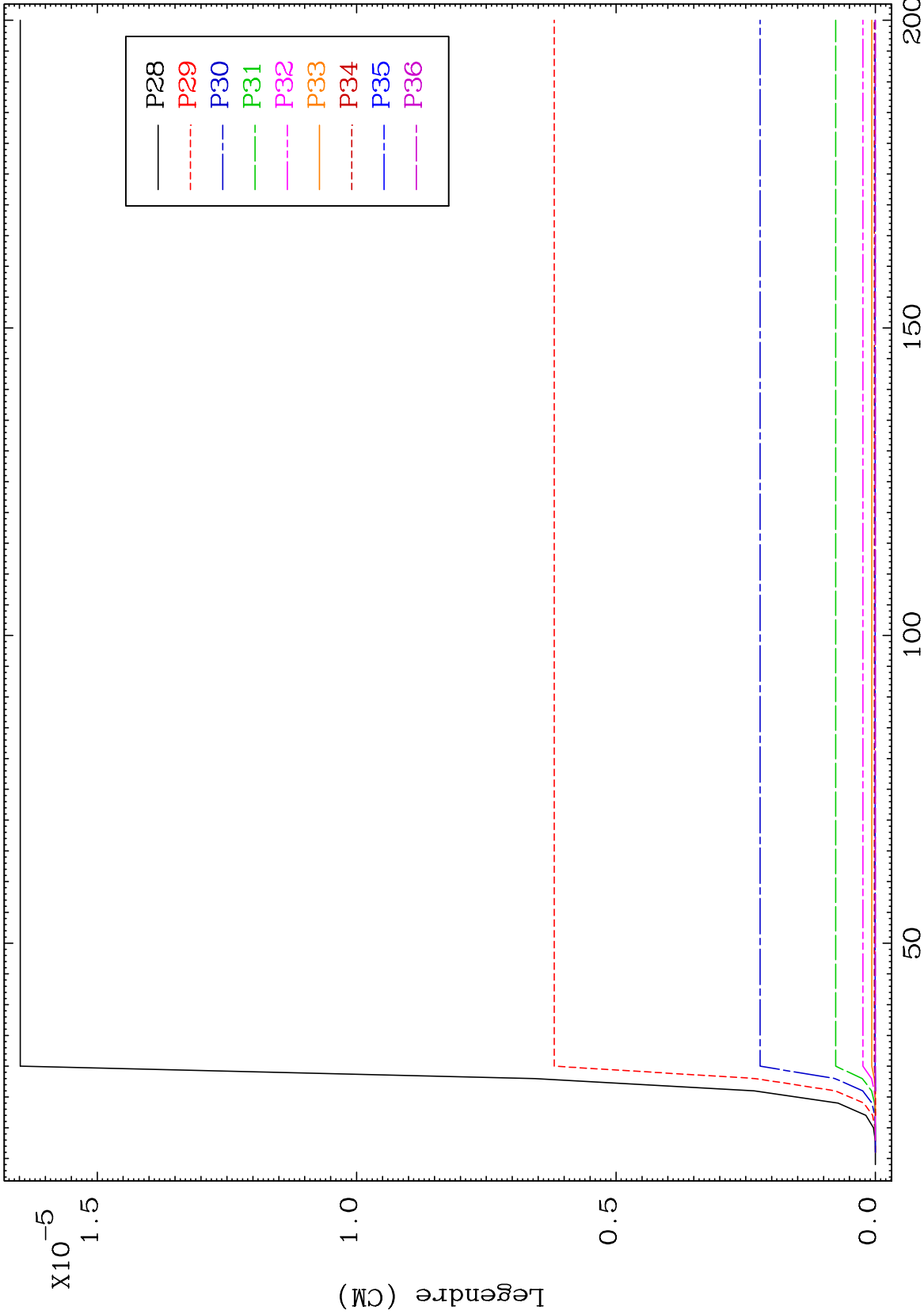
80-Hg-190



MAT 8007

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

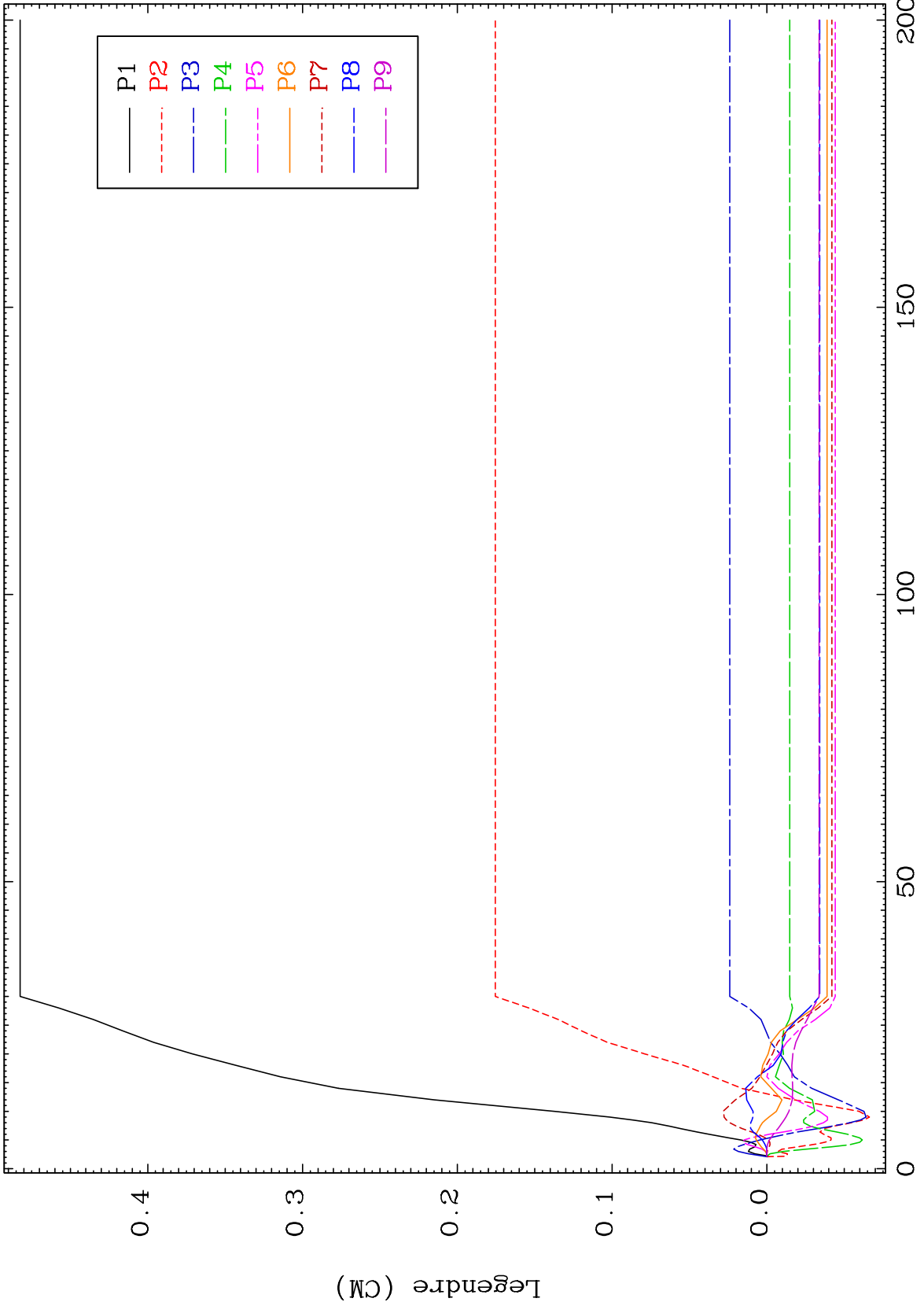
80-Hg-190



61

80-Hg-190

MAT 8007 MT= 62 (n,n') Level Legendre Coefficients 80-Hg-190

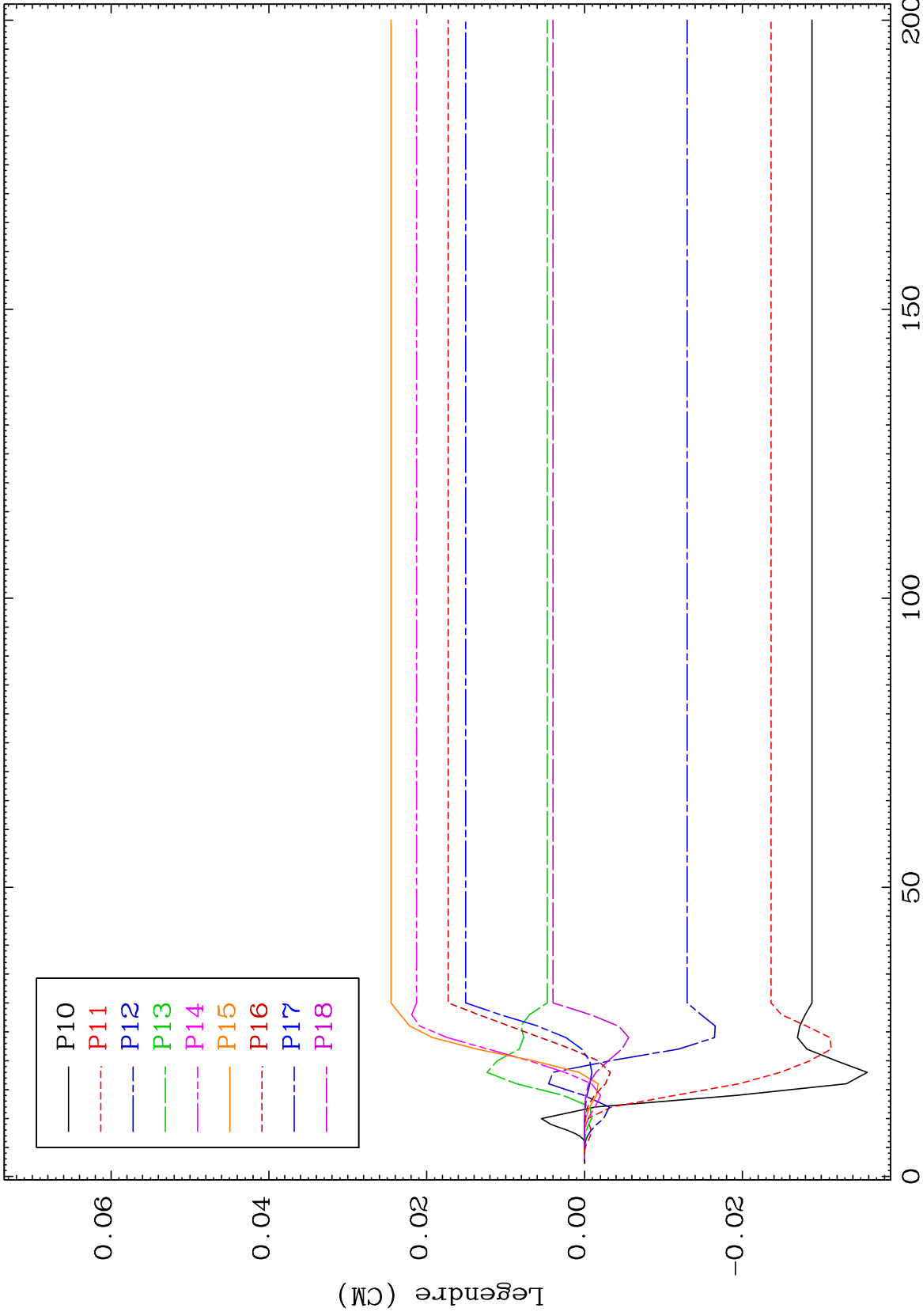


62 80-Hg-190

MAT 8007

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

80-Hg-190



63

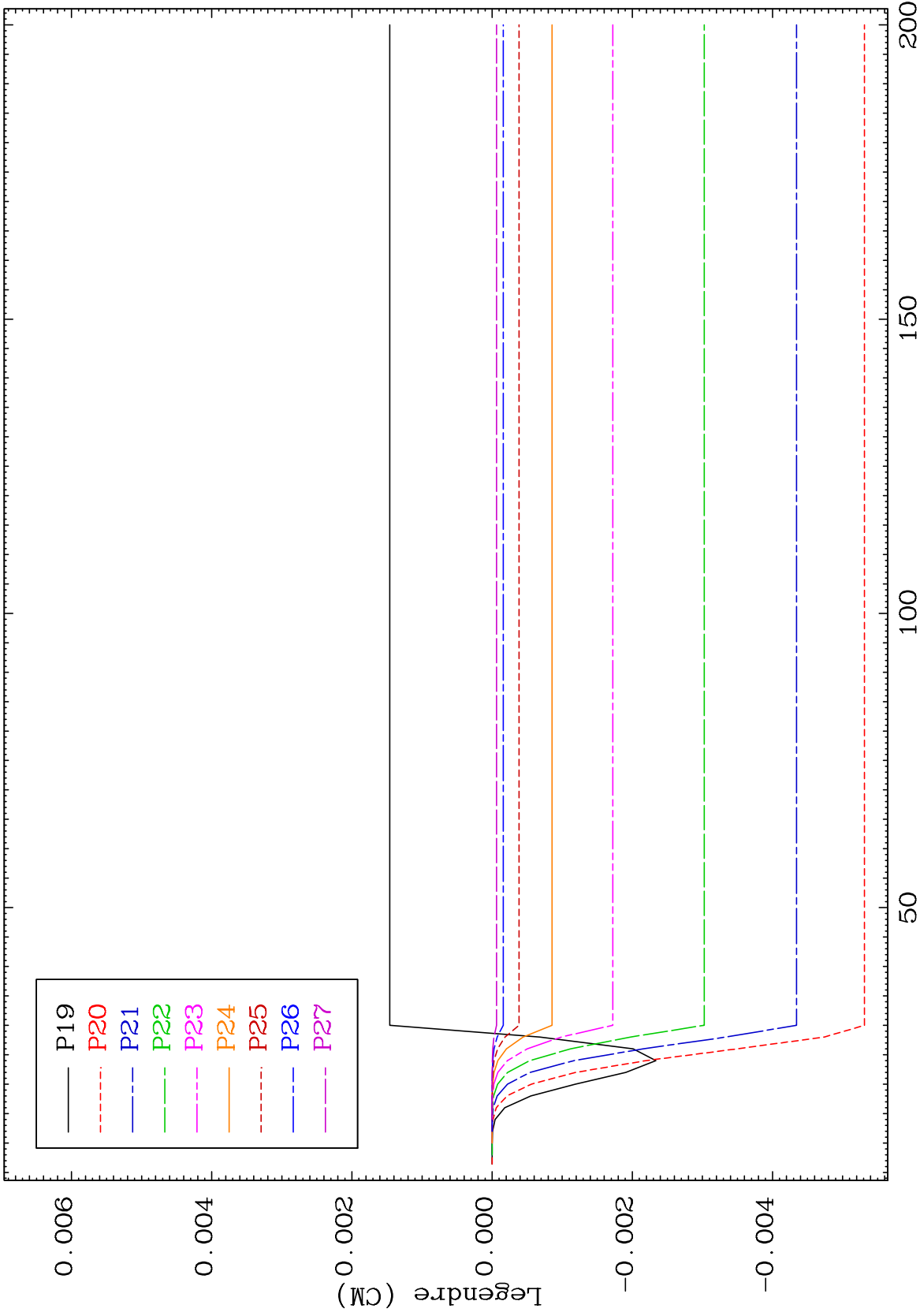
Incident Energy (MeV)

80-Hg-190

MAT 8007

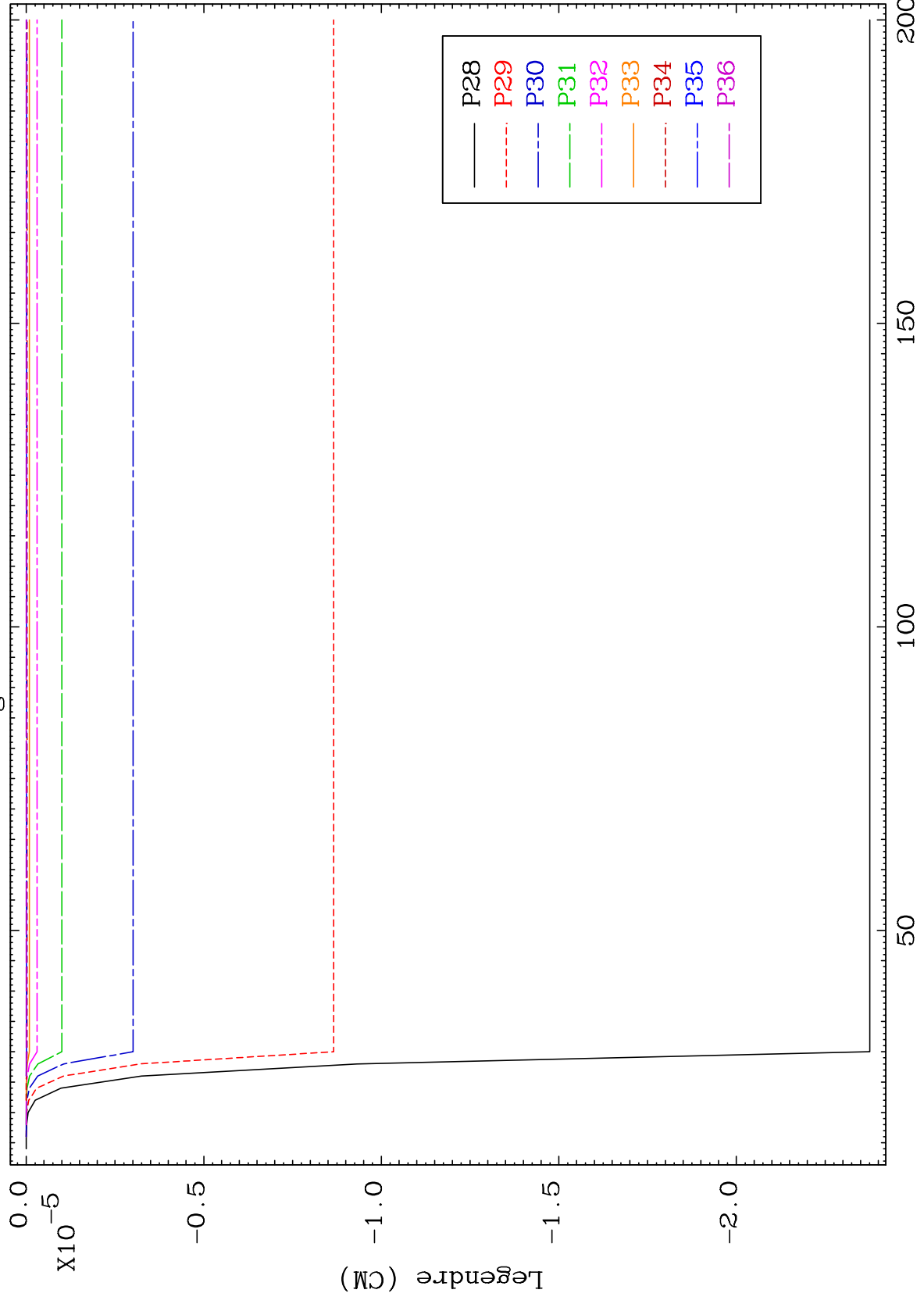
MT= 62 (n,n') Level
Legendre Coefficients

80-Hg-190



64

MAT 8007 MT= 62 (n,n') Level Legendre Coefficients 80-Hg-190

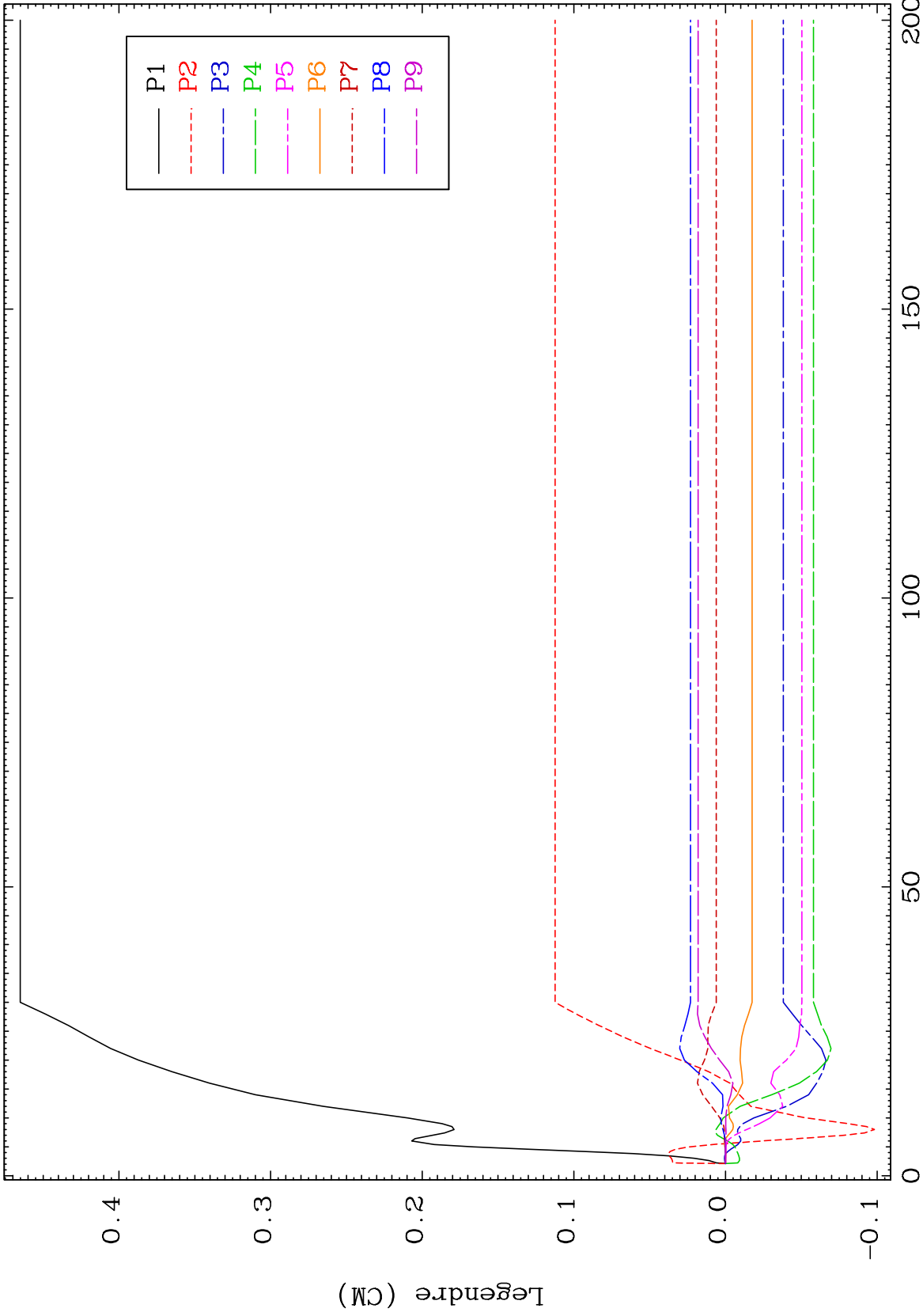


65 Incident Energy (MeV) 80-Hg-190

MAT 8007

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

80-Hg-190

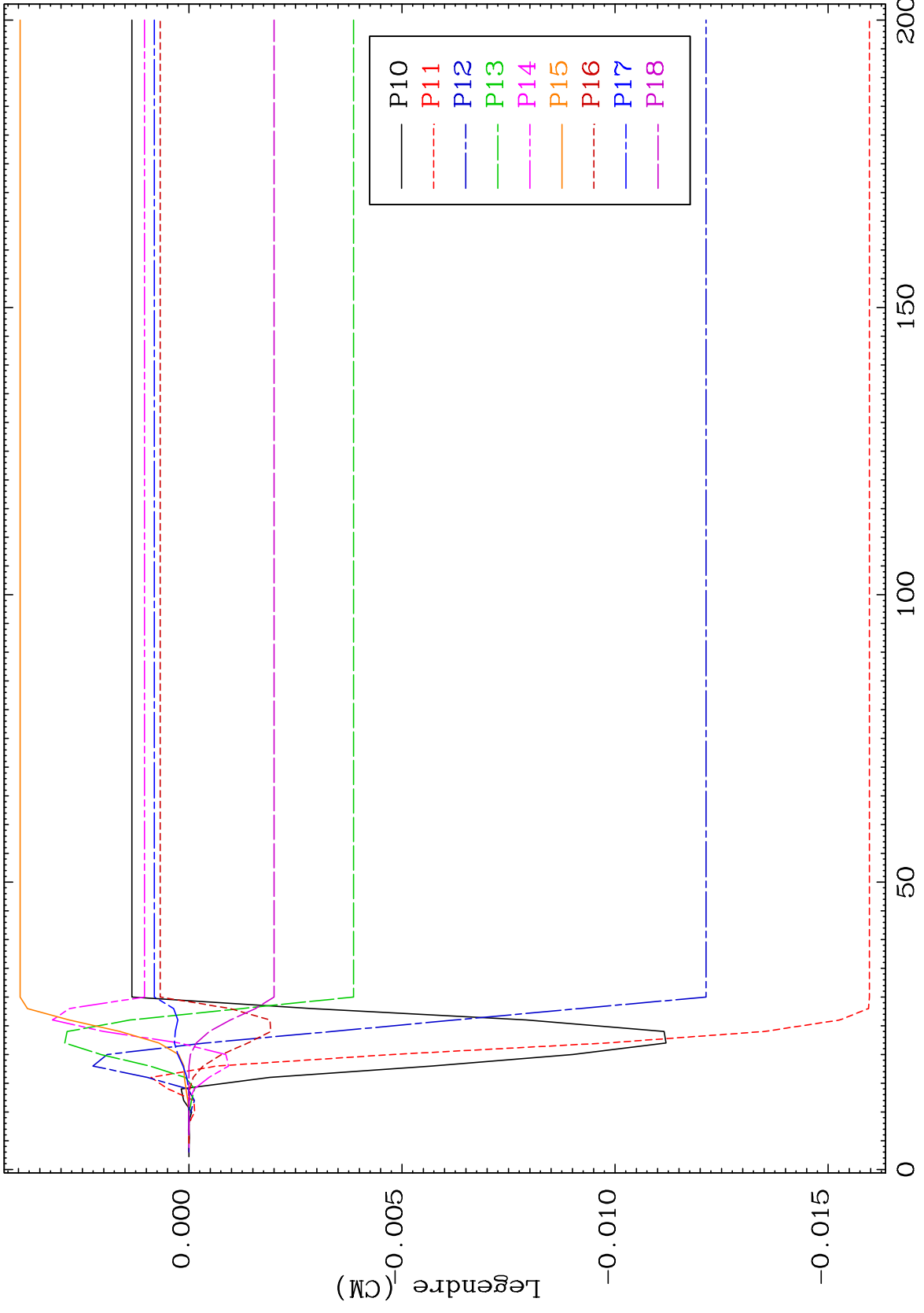


66

Incident Energy (MeV)

80-Hg-190

MAT 8007 MT= 63 (n,n') Level Legendre Coefficients 80-Hg-190

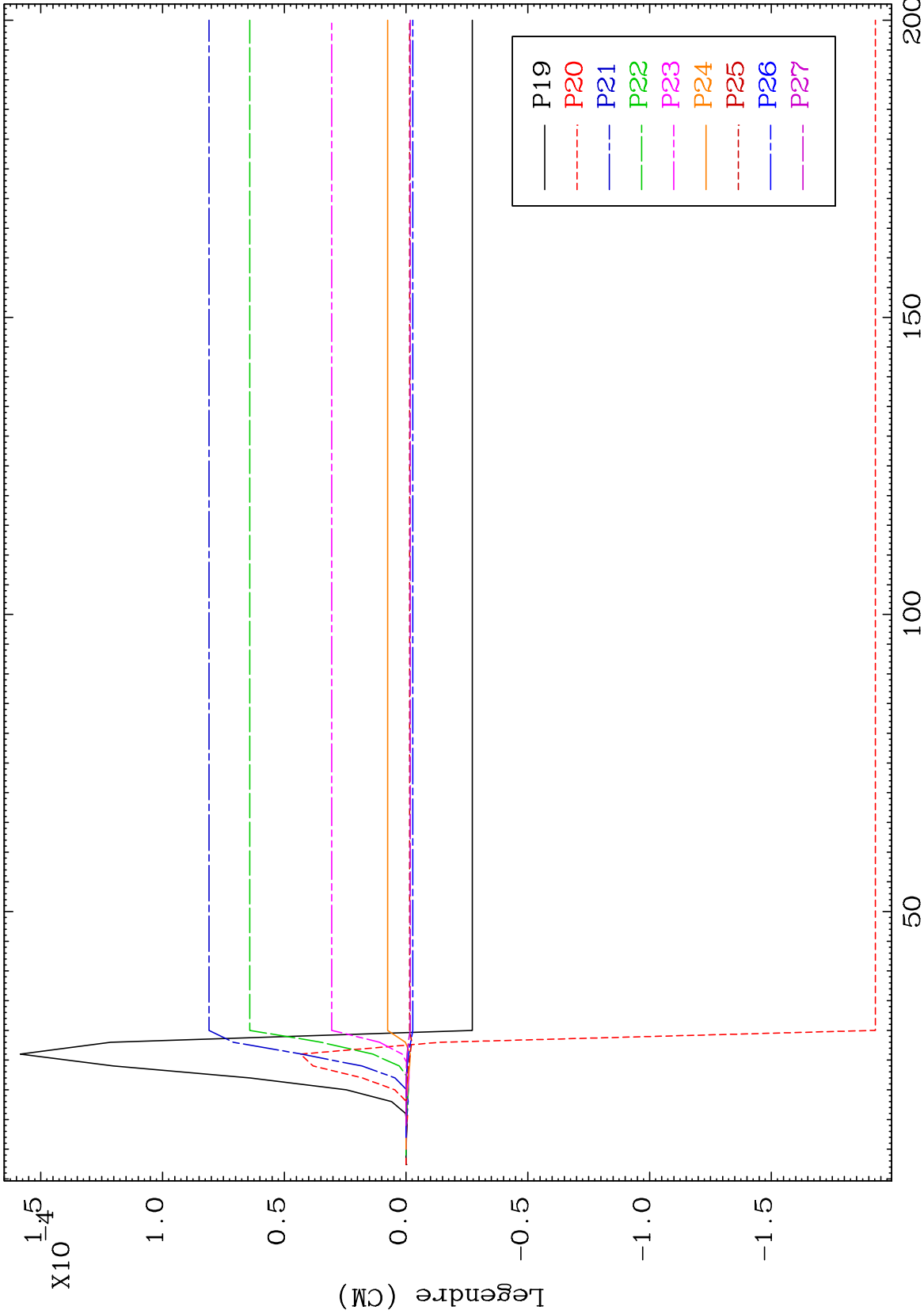


67 80-Hg-190

MAT 8007

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

80-Hg-190

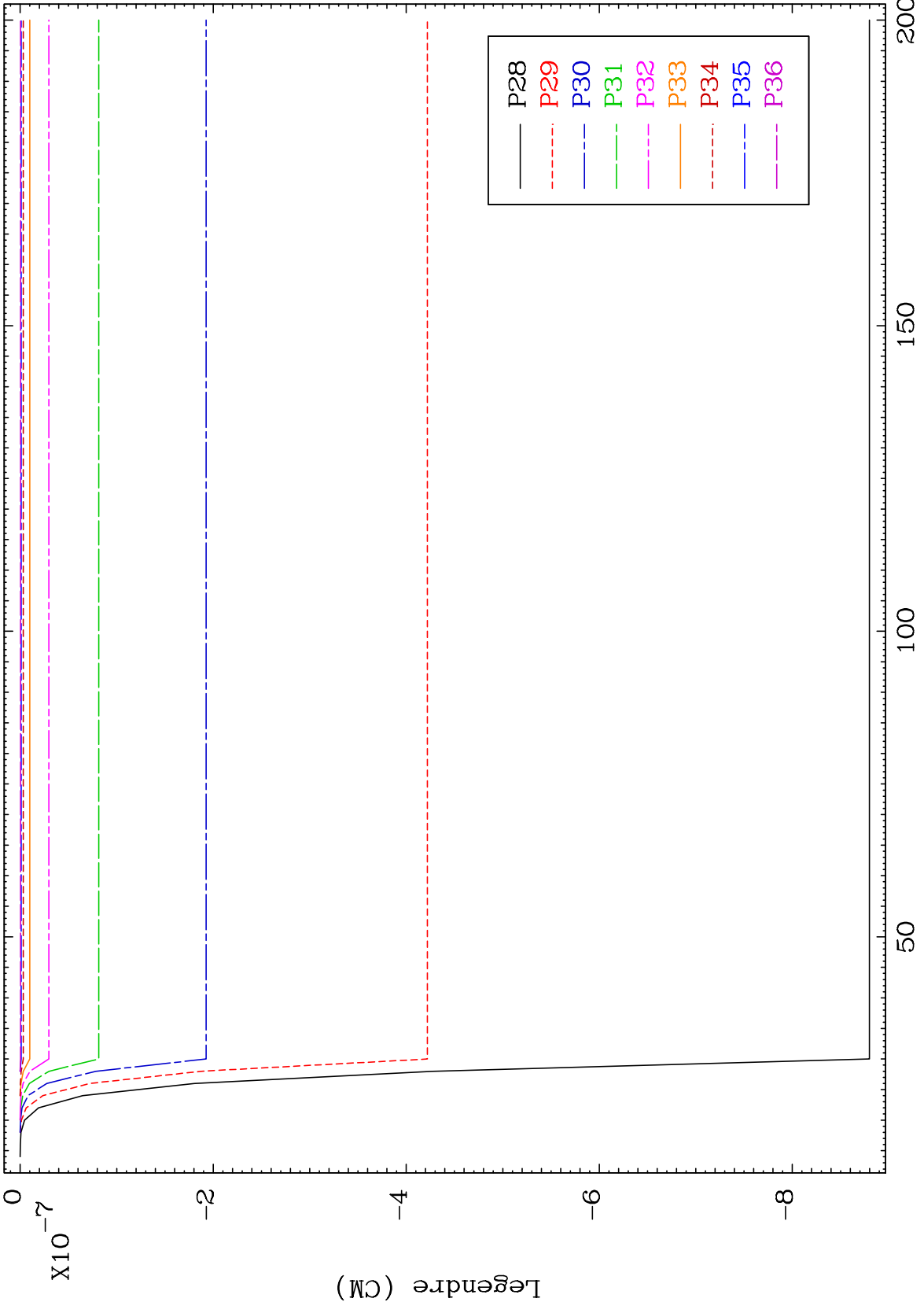


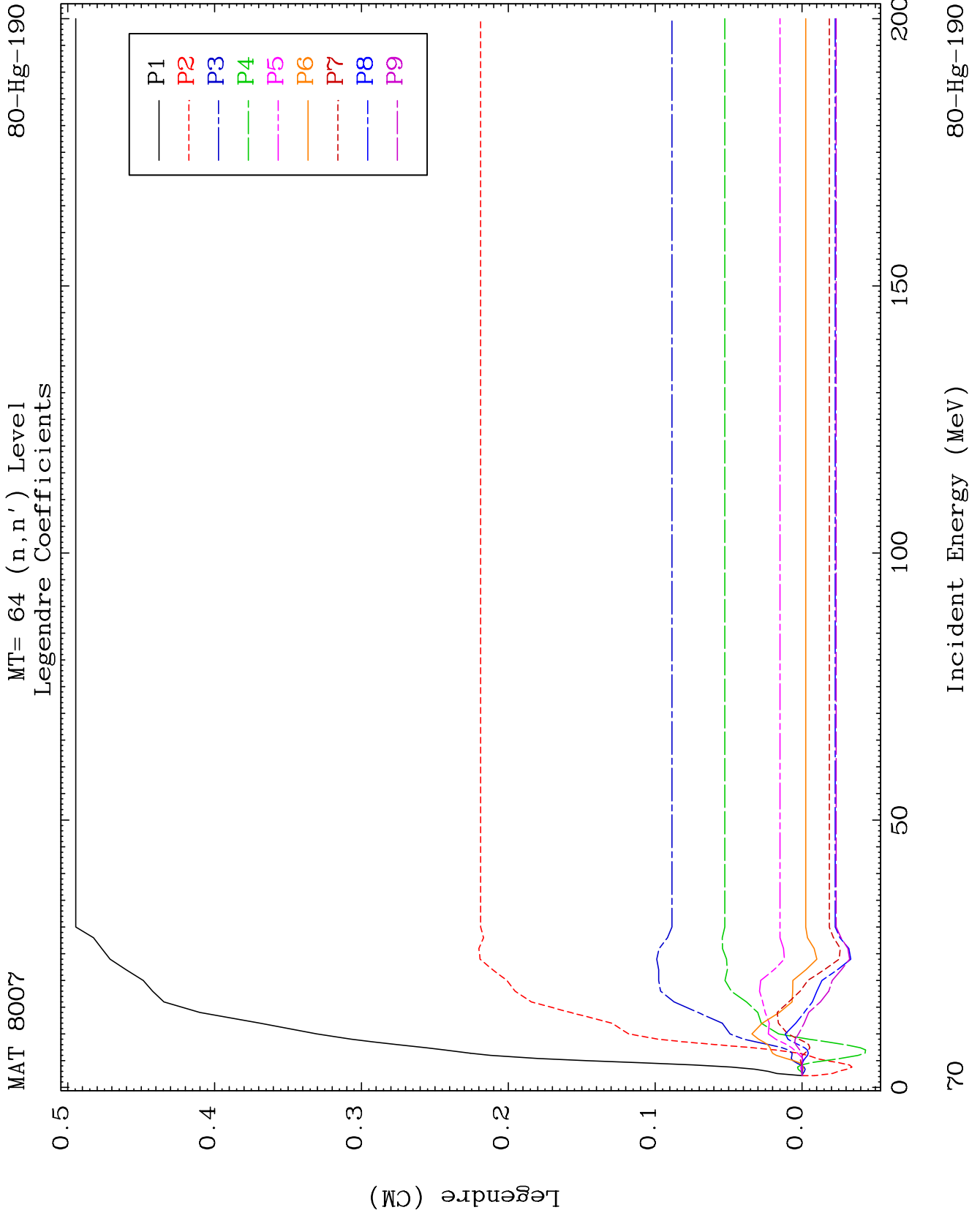
68

Incident Energy (MeV)

80-Hg-190

MAT 8007 MT= 63 (n,n') Level Legendre Coefficients 80-Hg-190

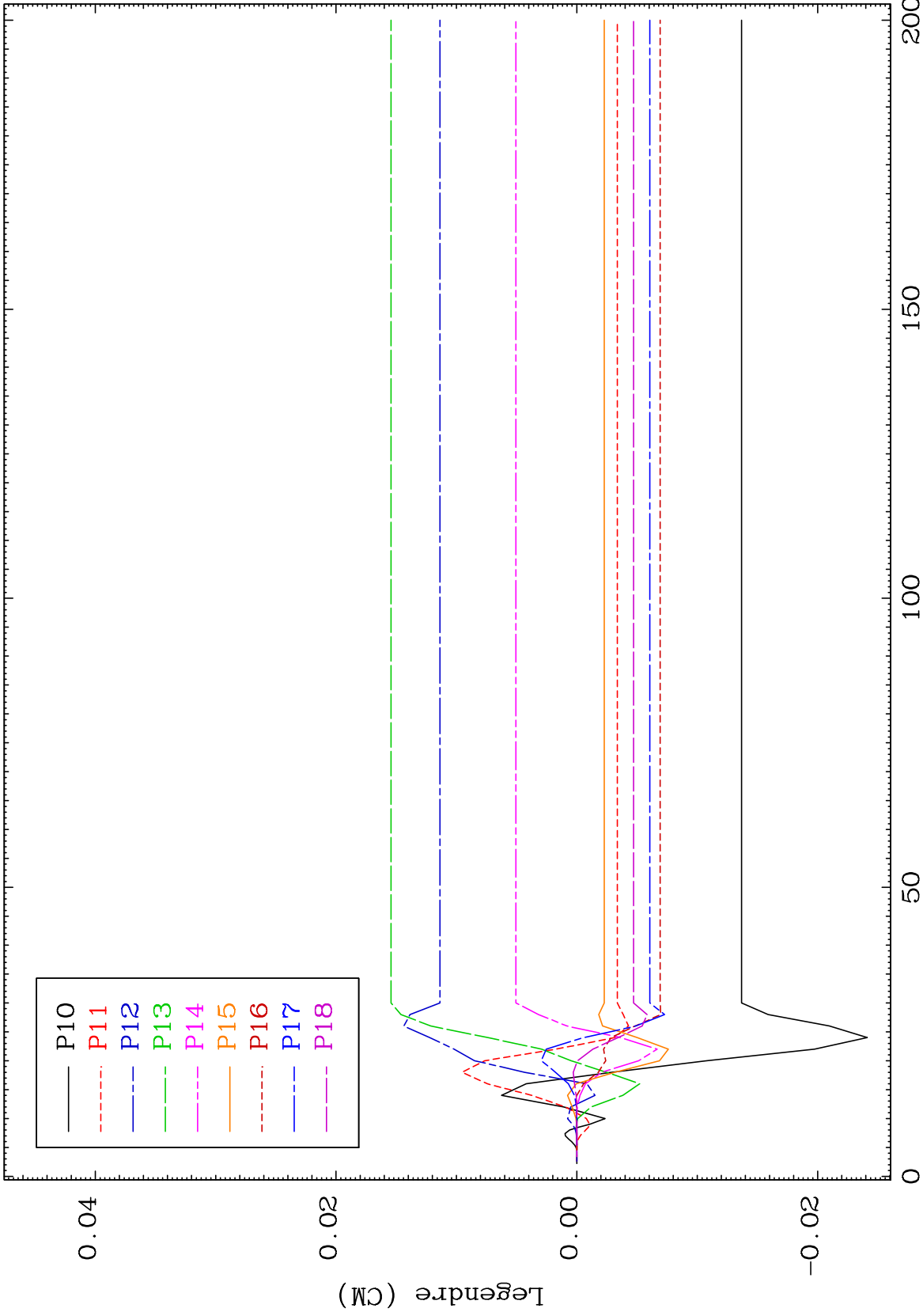




MAT 8007

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

80-Hg-190

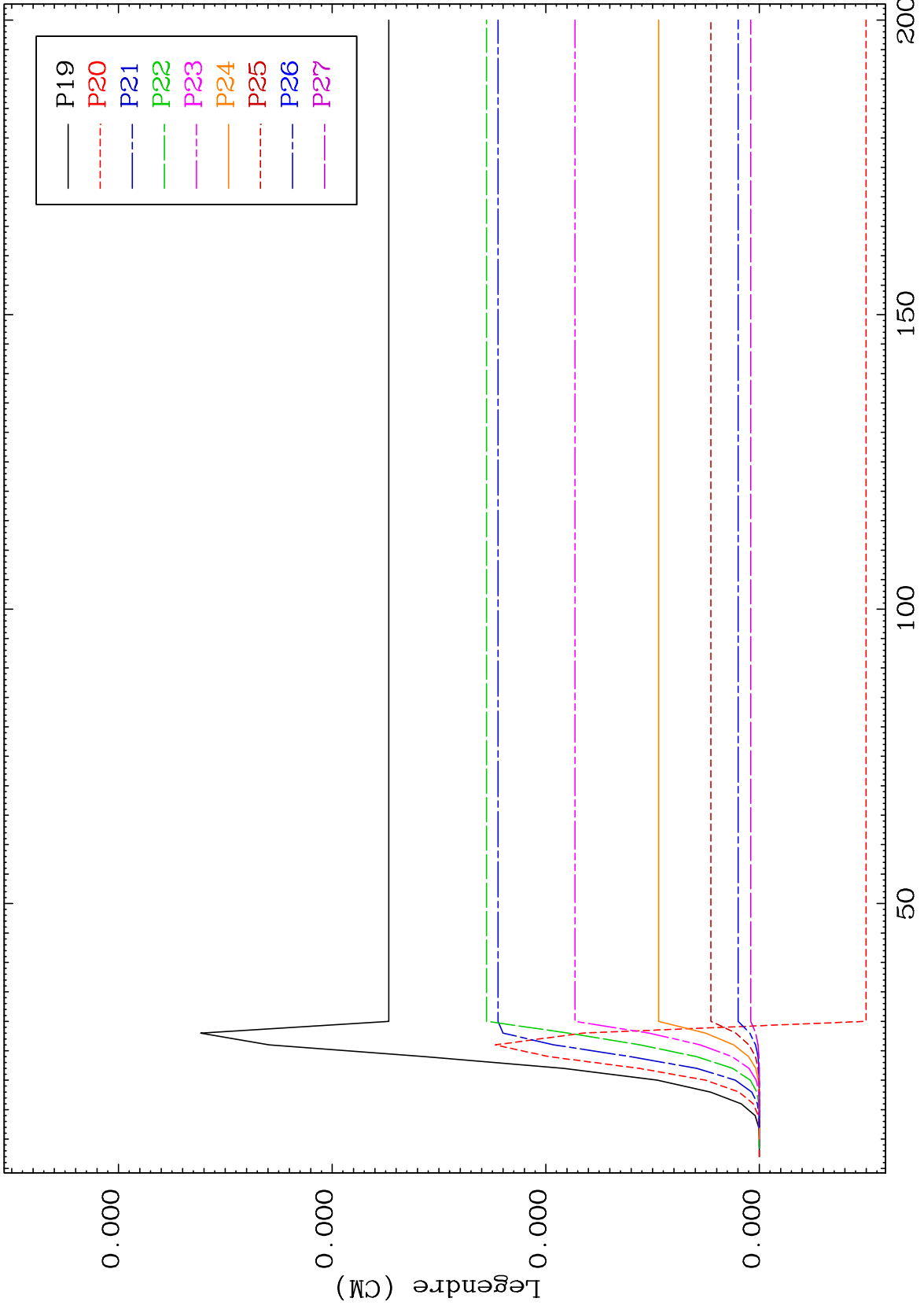


71

Incident Energy (MeV)

80-Hg-190

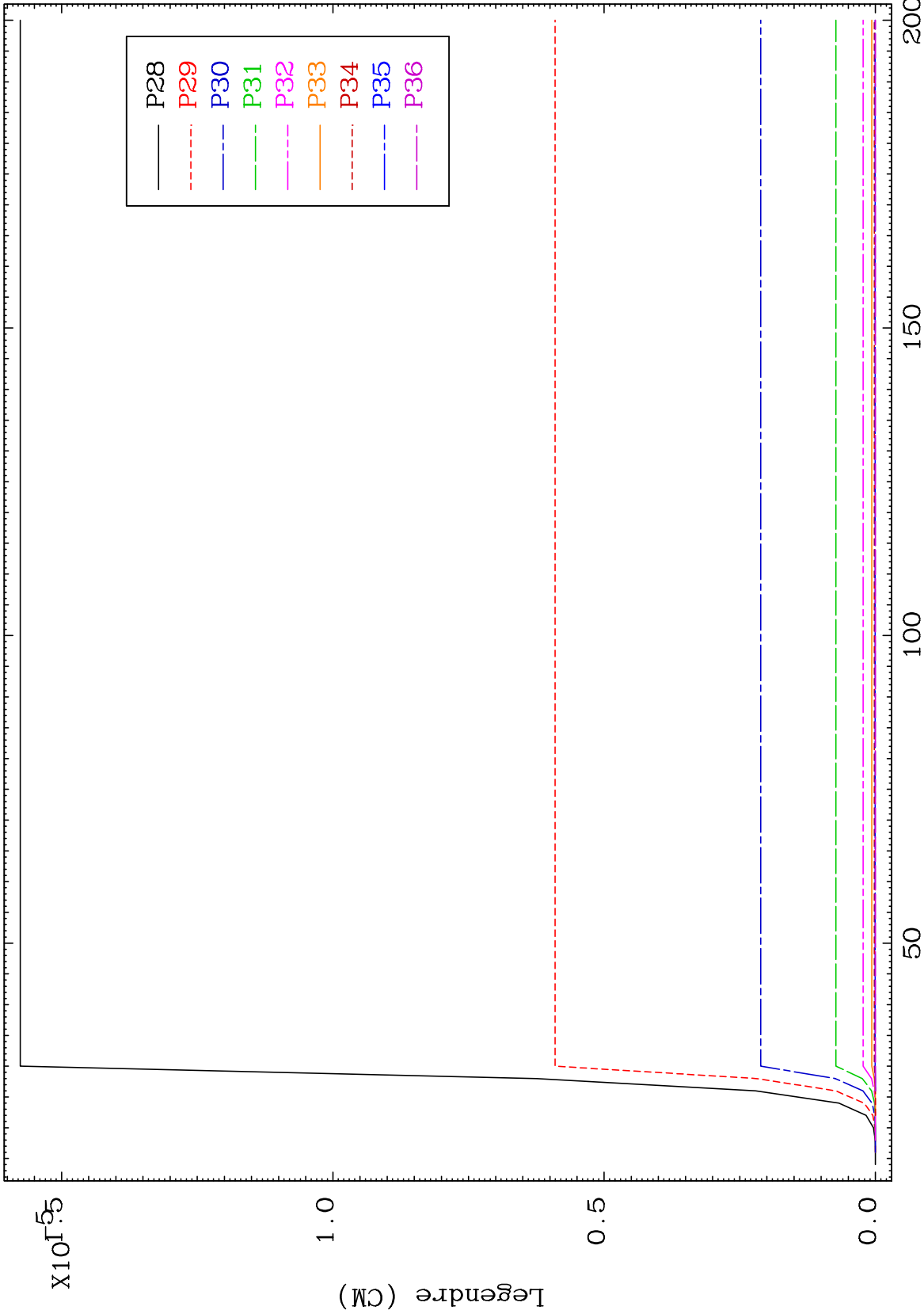
MAT 8007 MT= 64 (n,n') Level Legendre Coefficients 80-Hg-190



MAT 8007

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

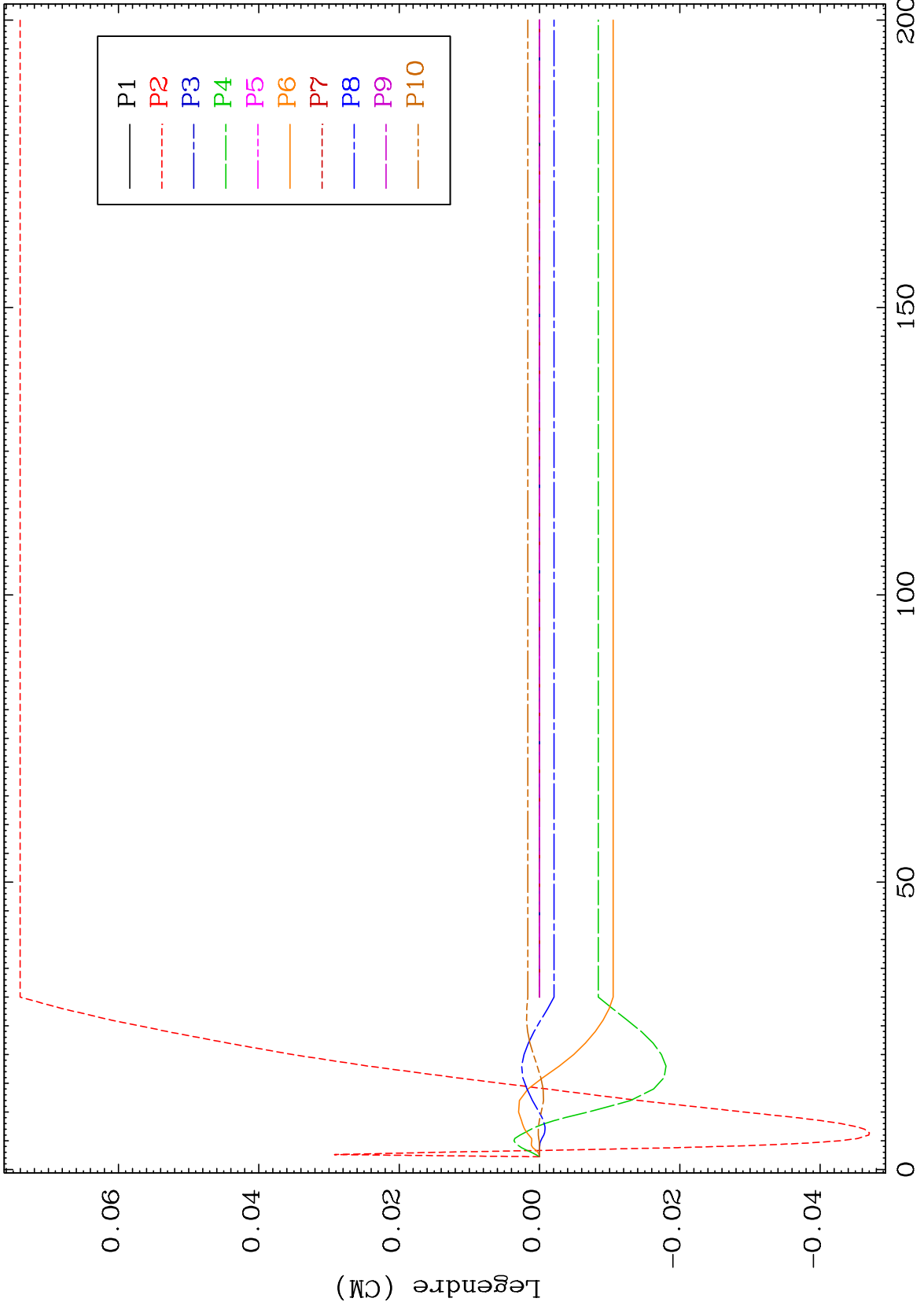
80-Hg-190



73

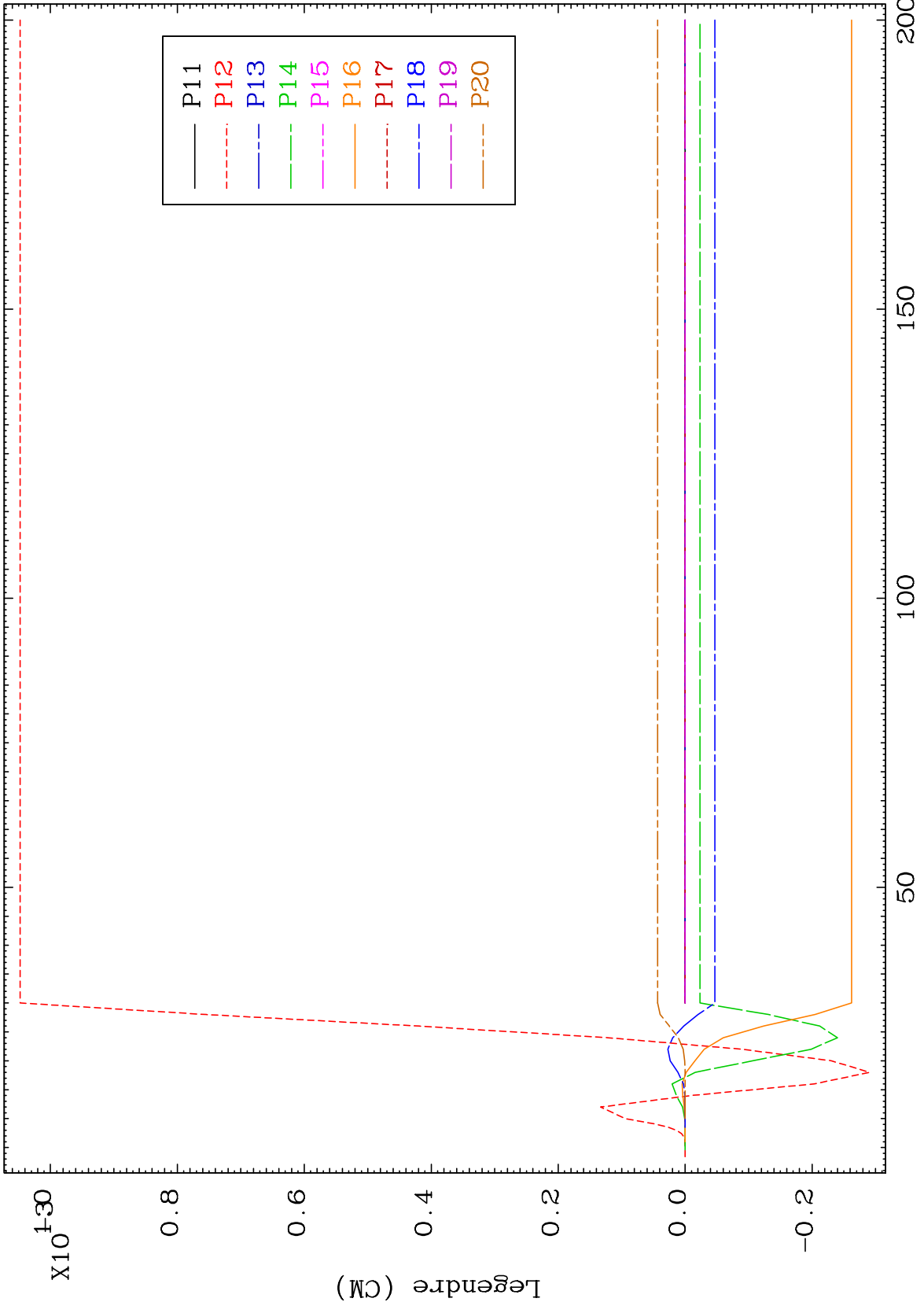
80-Hg-190

MAT 8007 MT= 65 (n,n') Level Legendre Coefficients 80-Hg-190



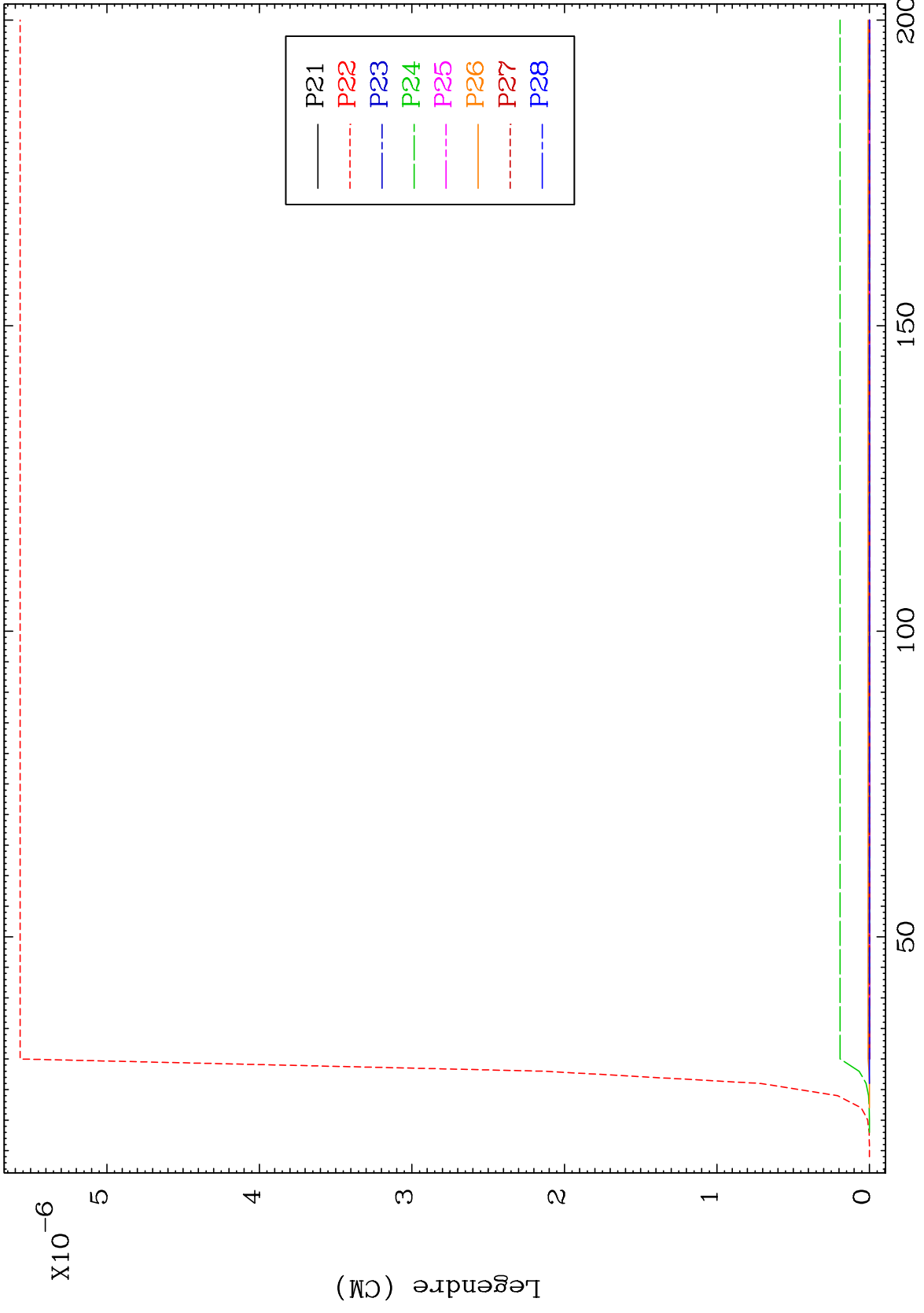
74 80-Hg-190

MAT 8007 MT= 65 (n,n') Level Legendre Coefficients 80-Hg-190



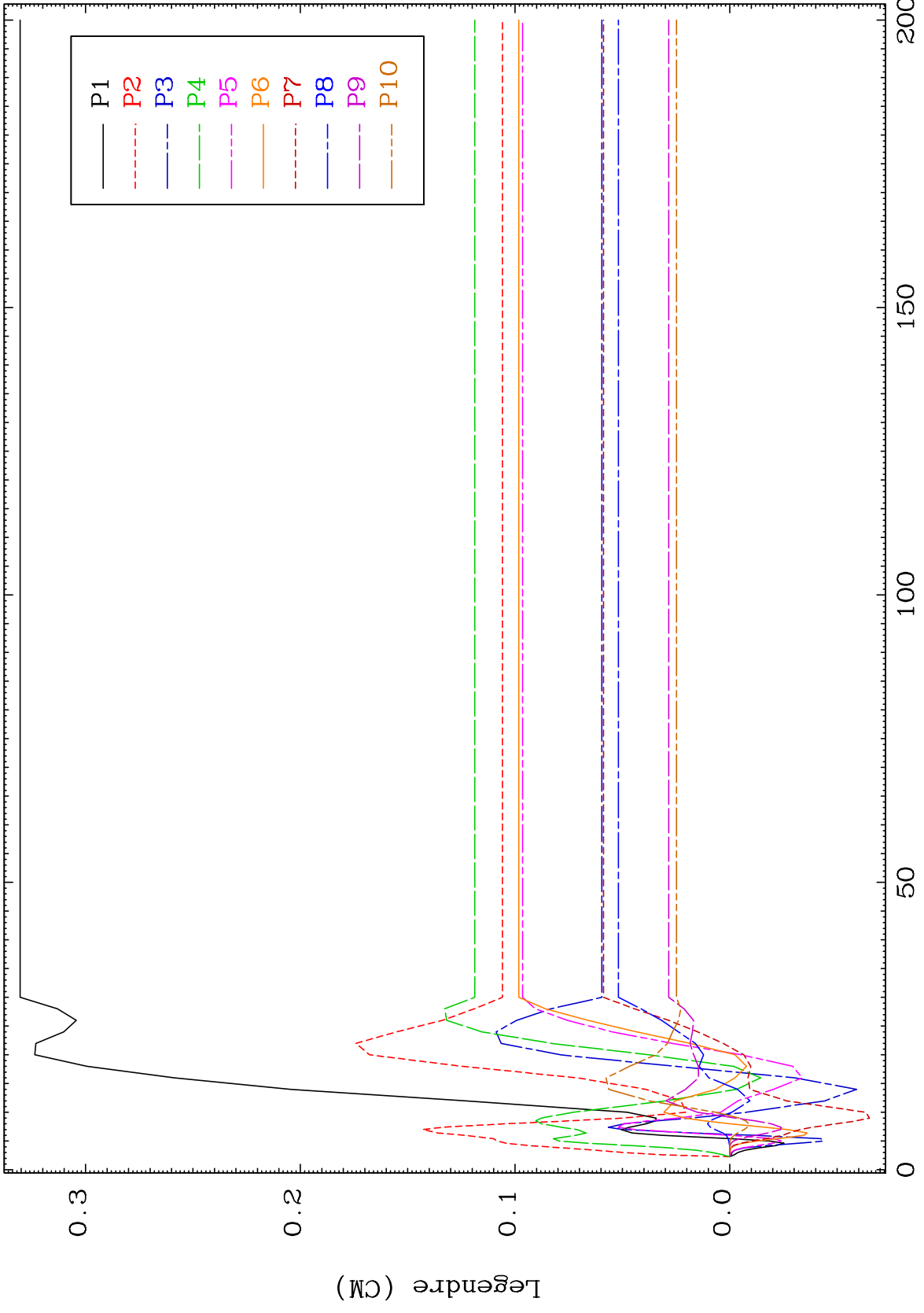
75 80-Hg-190

MAT 8007 MT= 65 (n,n') Level Legendre Coefficients 80-Hg-190

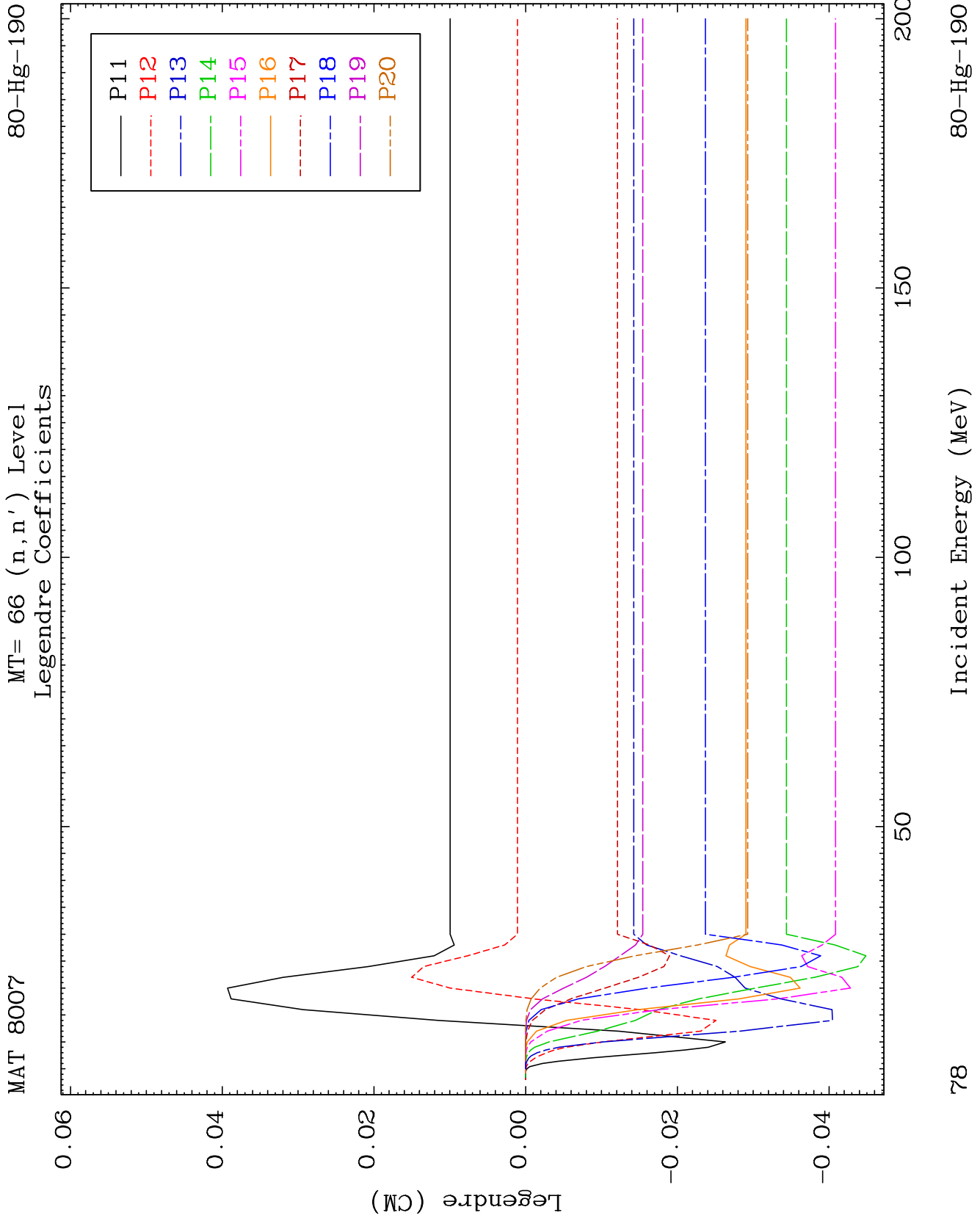


76 80-Hg-190

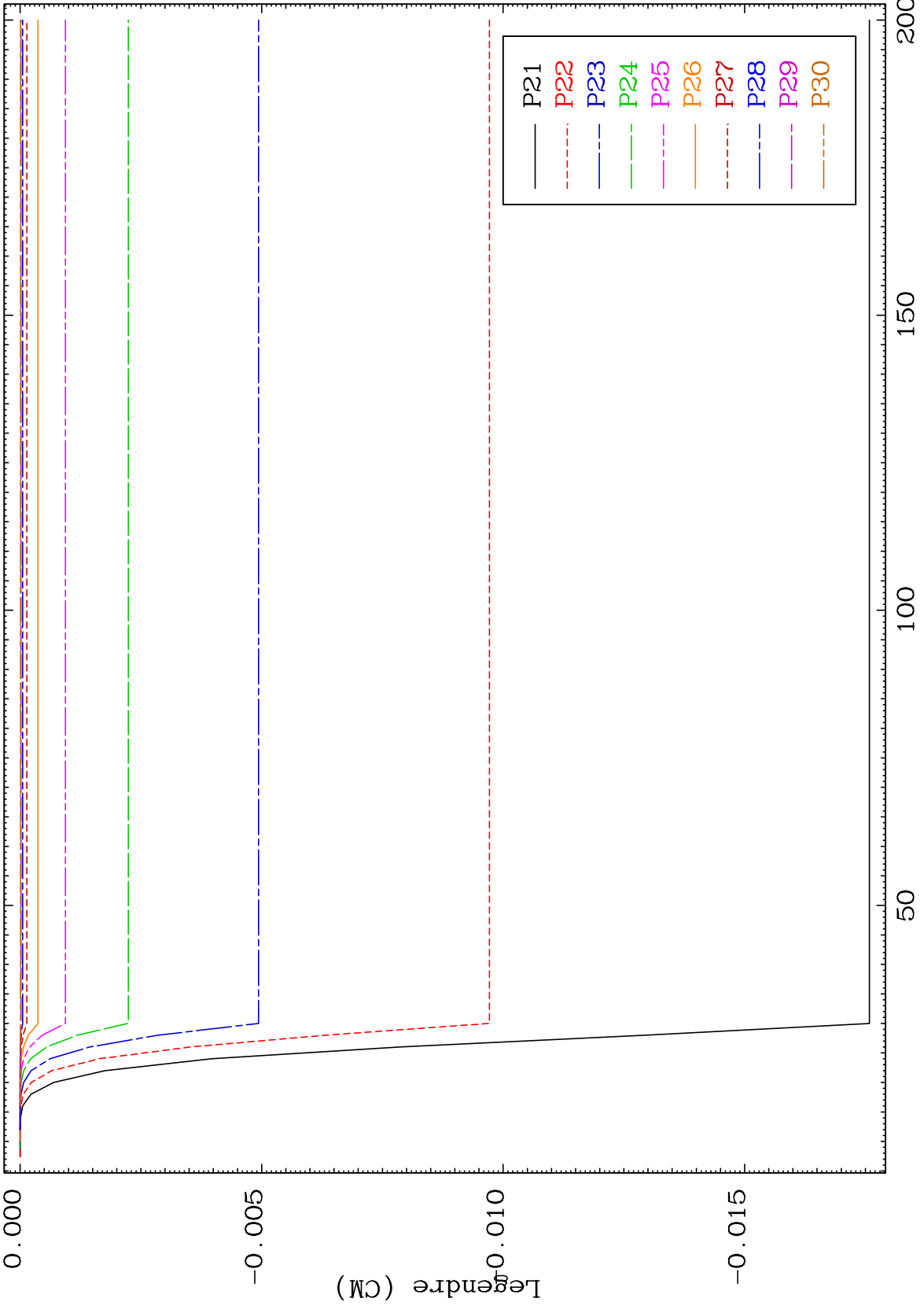
MAT 8007 MT= 66 (n,n') Level Legendre Coefficients 80-Hg-190



77 80-Hg-190



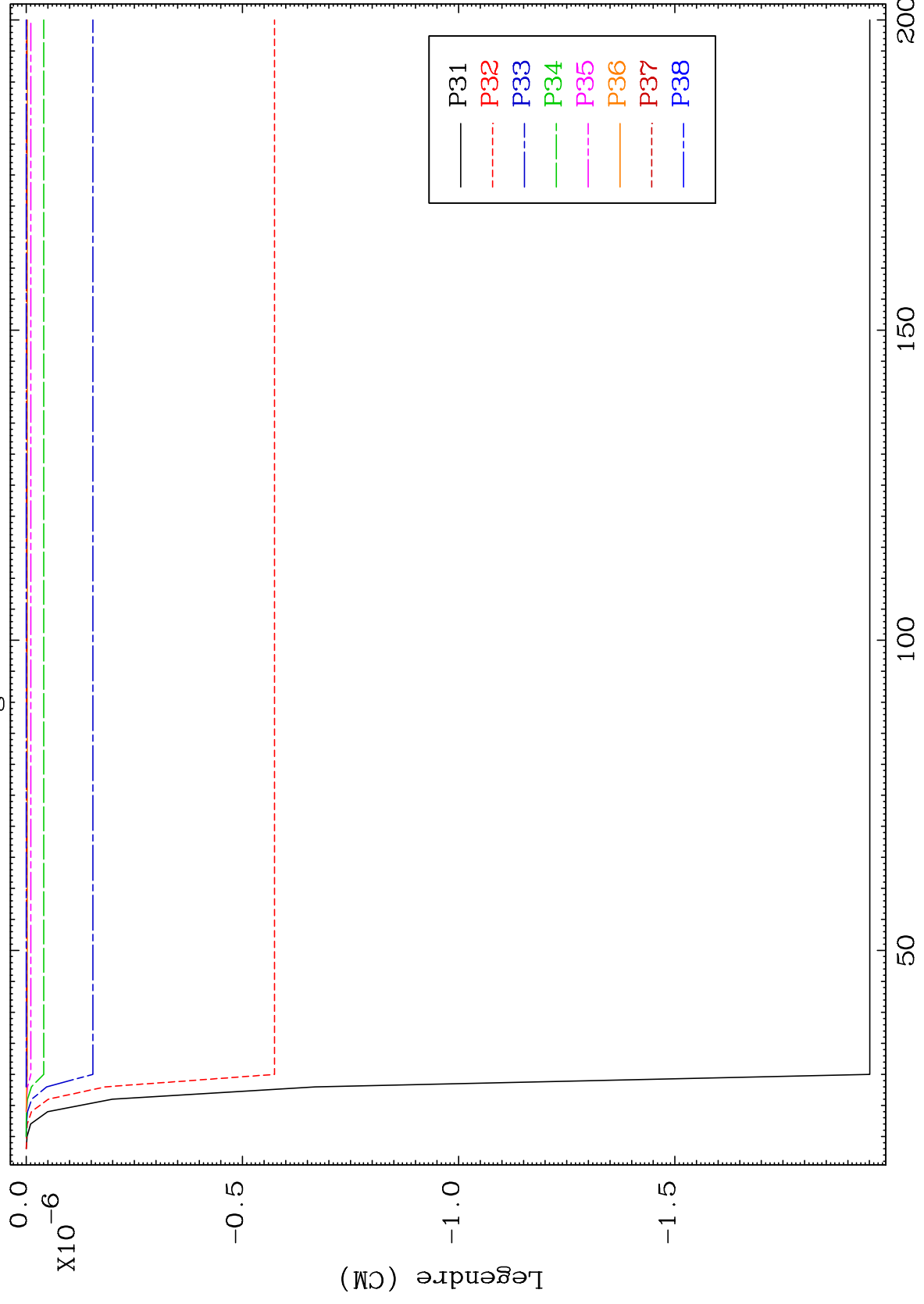
MAT 8007 MT= 66 (n,n') Level Legendre Coefficients 80-Hg-190



MAT 8007

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

80-Hg-190

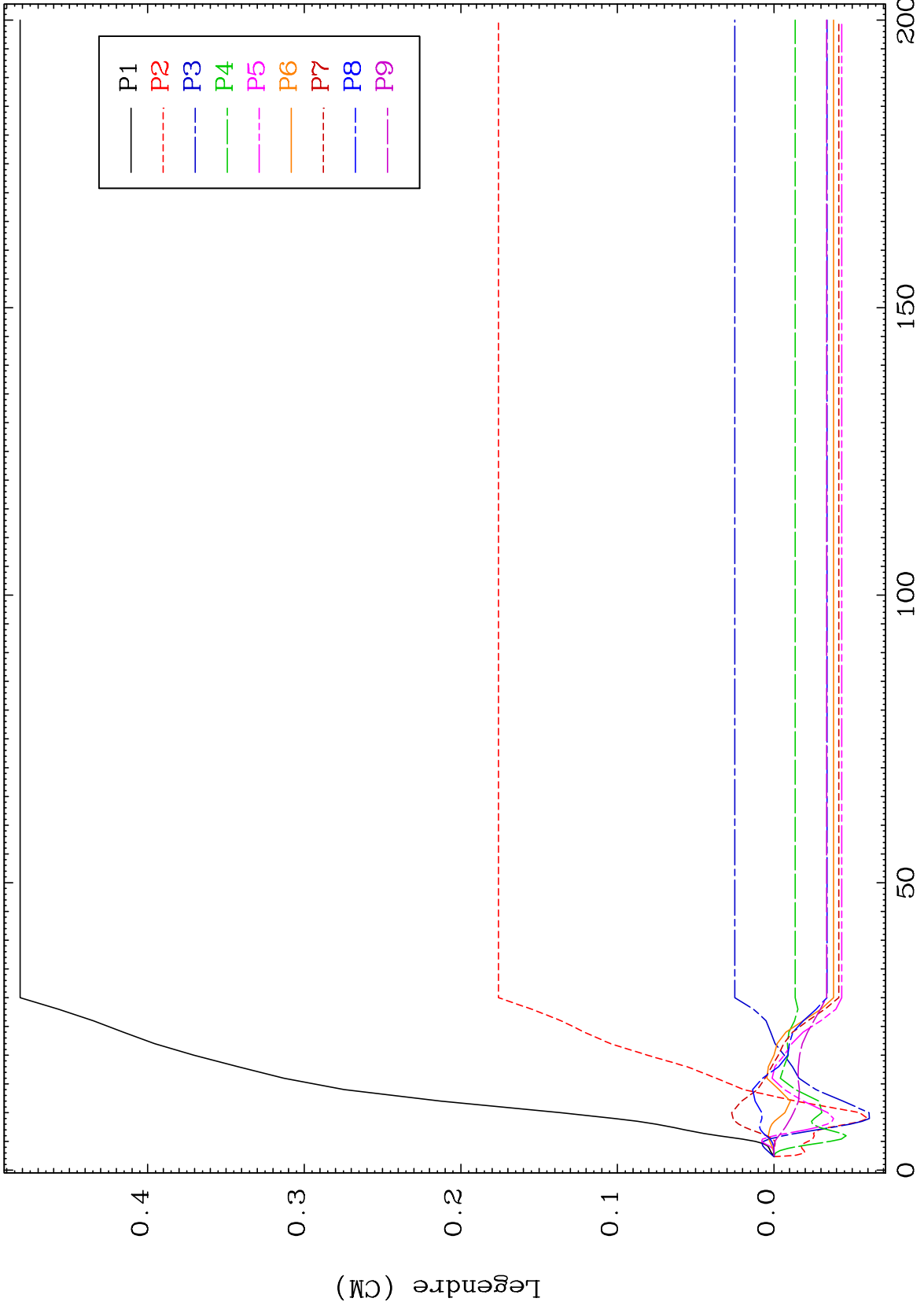


80-Hg-190

Incident Energy (MeV)

80

MAT 8007 MT= 67 (n,n') Level Legendre Coefficients 80-Hg-190

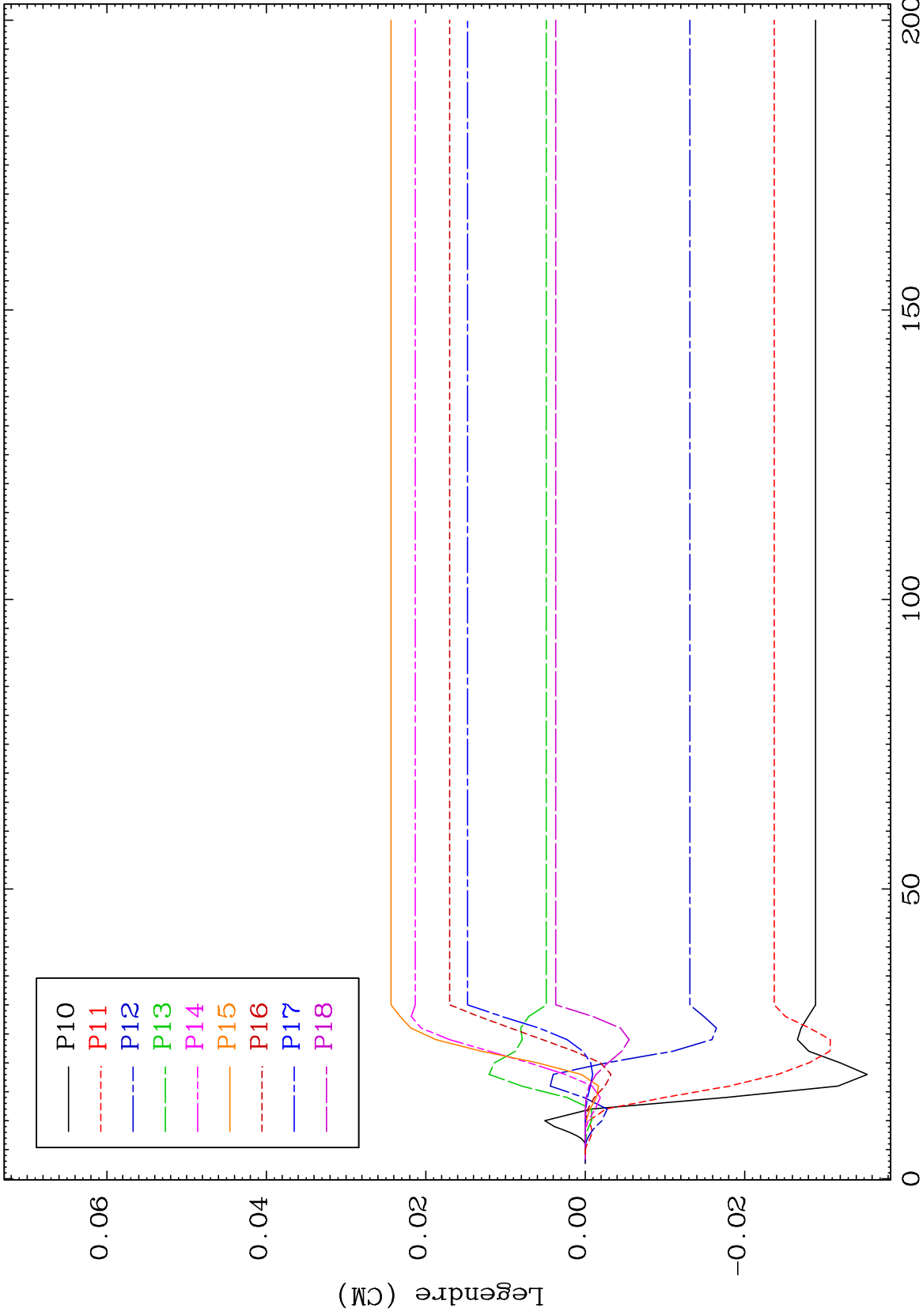


81 80-Hg-190

MAT 8007

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

80-Hg-190



82

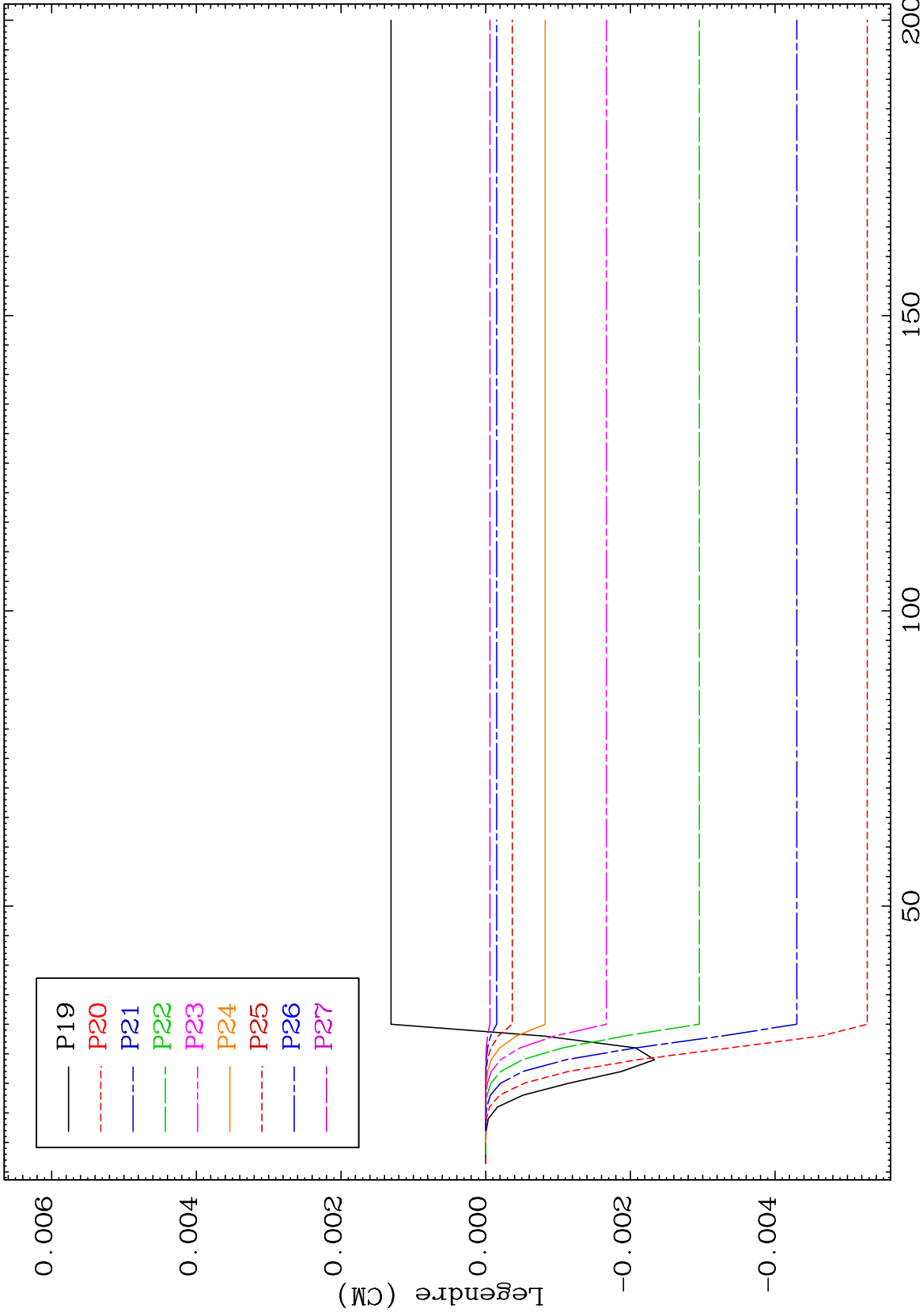
Incident Energy (MeV)

80-Hg-190

MAT 8007

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

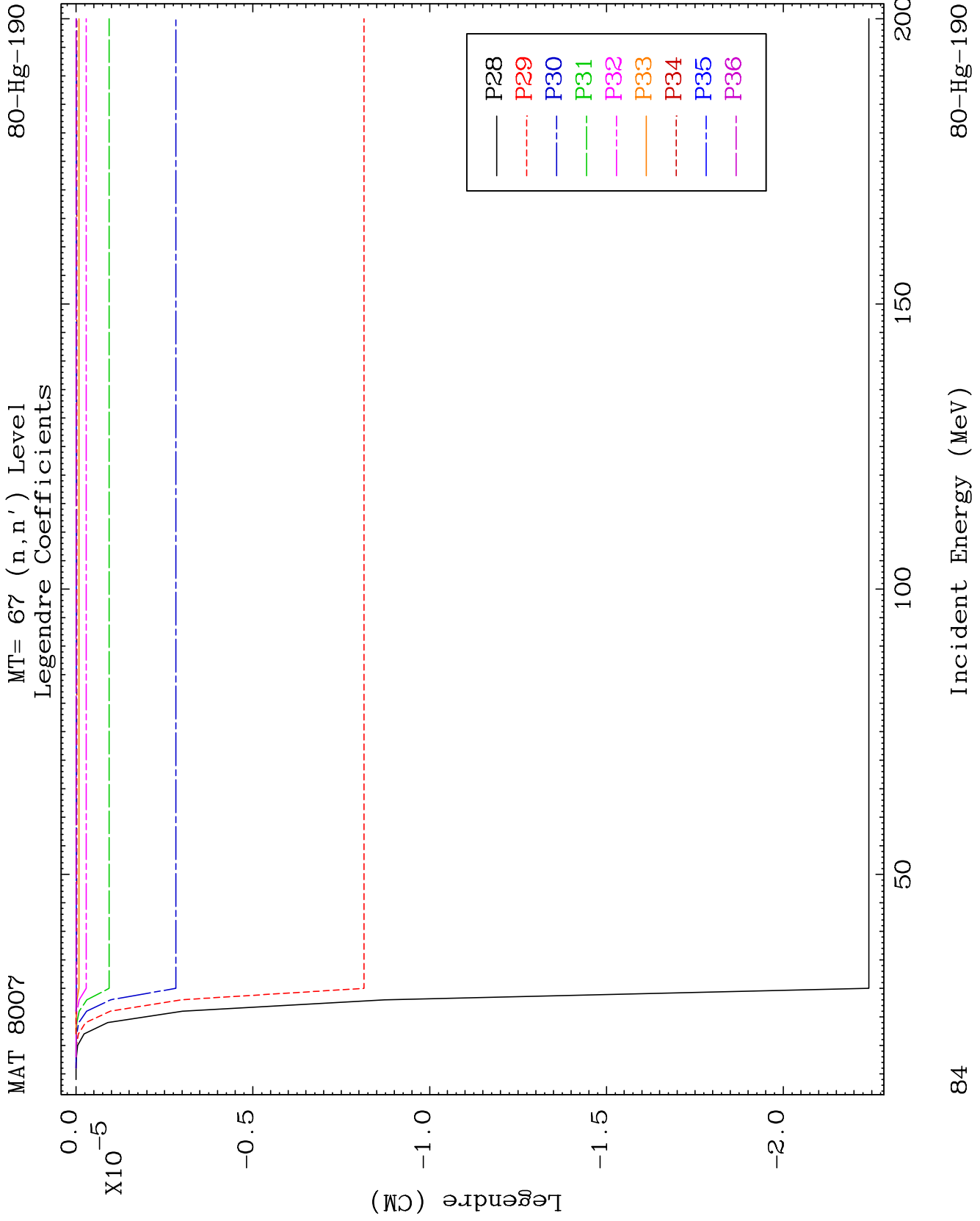
80-Hg-190

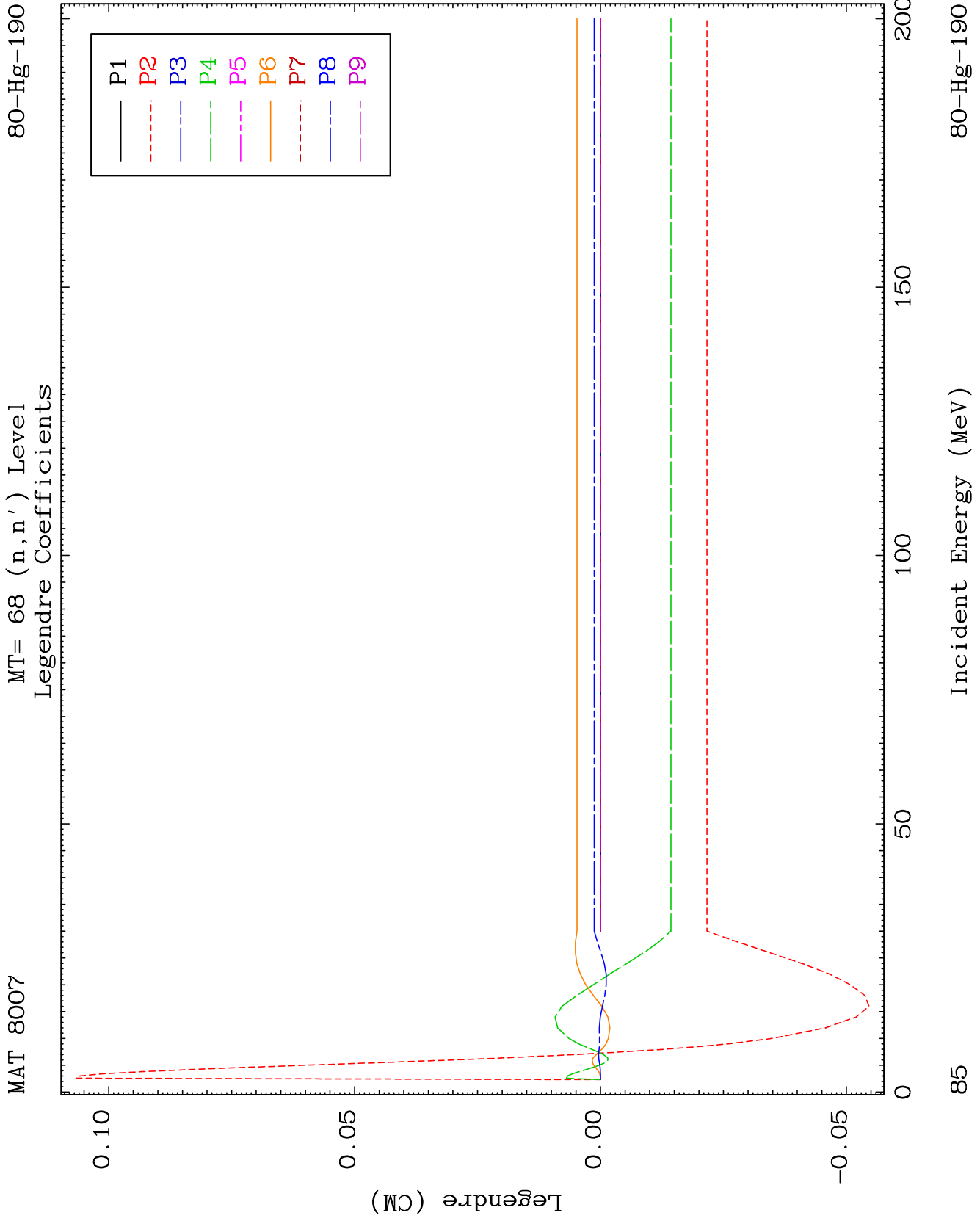


83

Incident Energy (MeV)

80-Hg-190

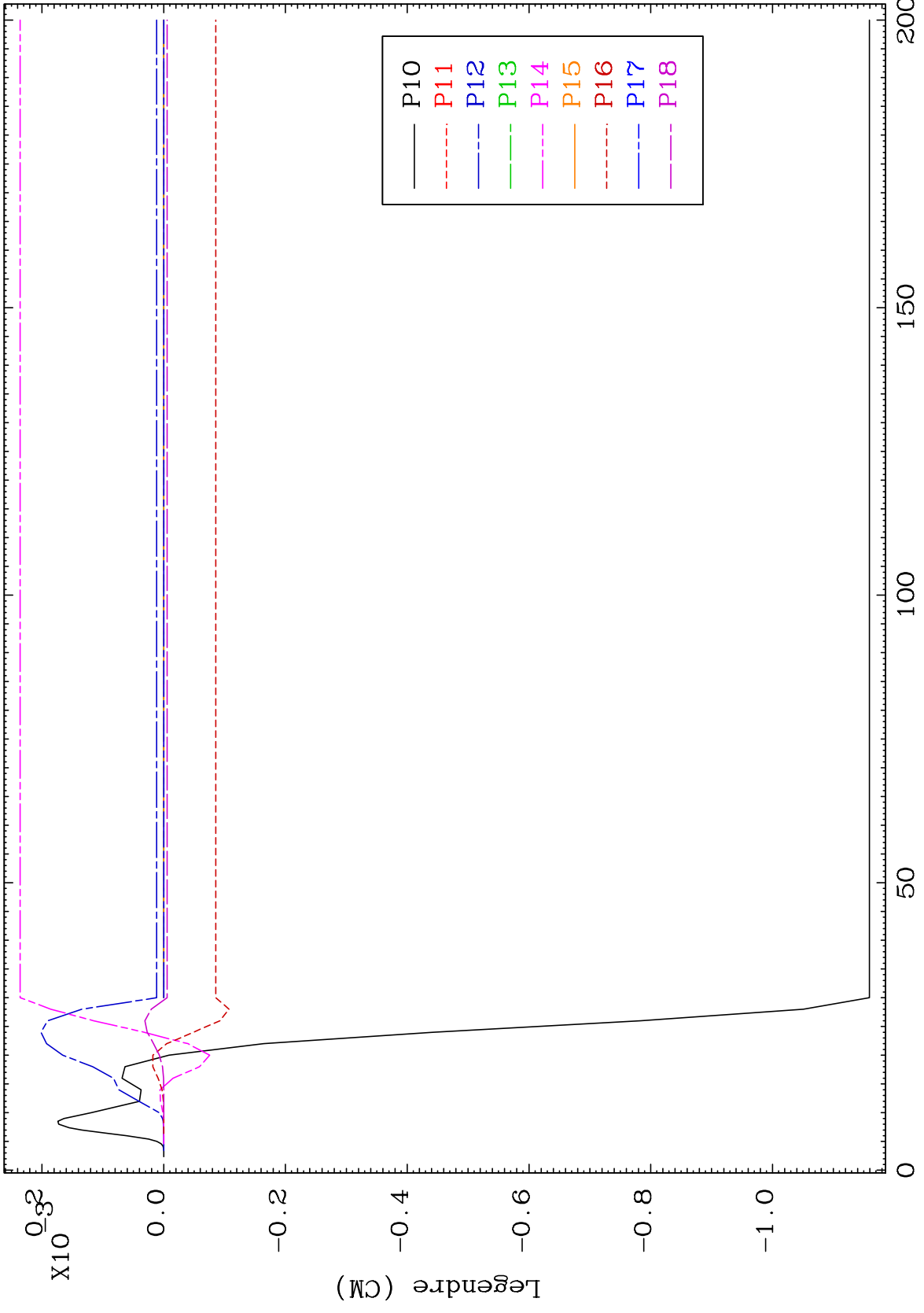




MAT 8007

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

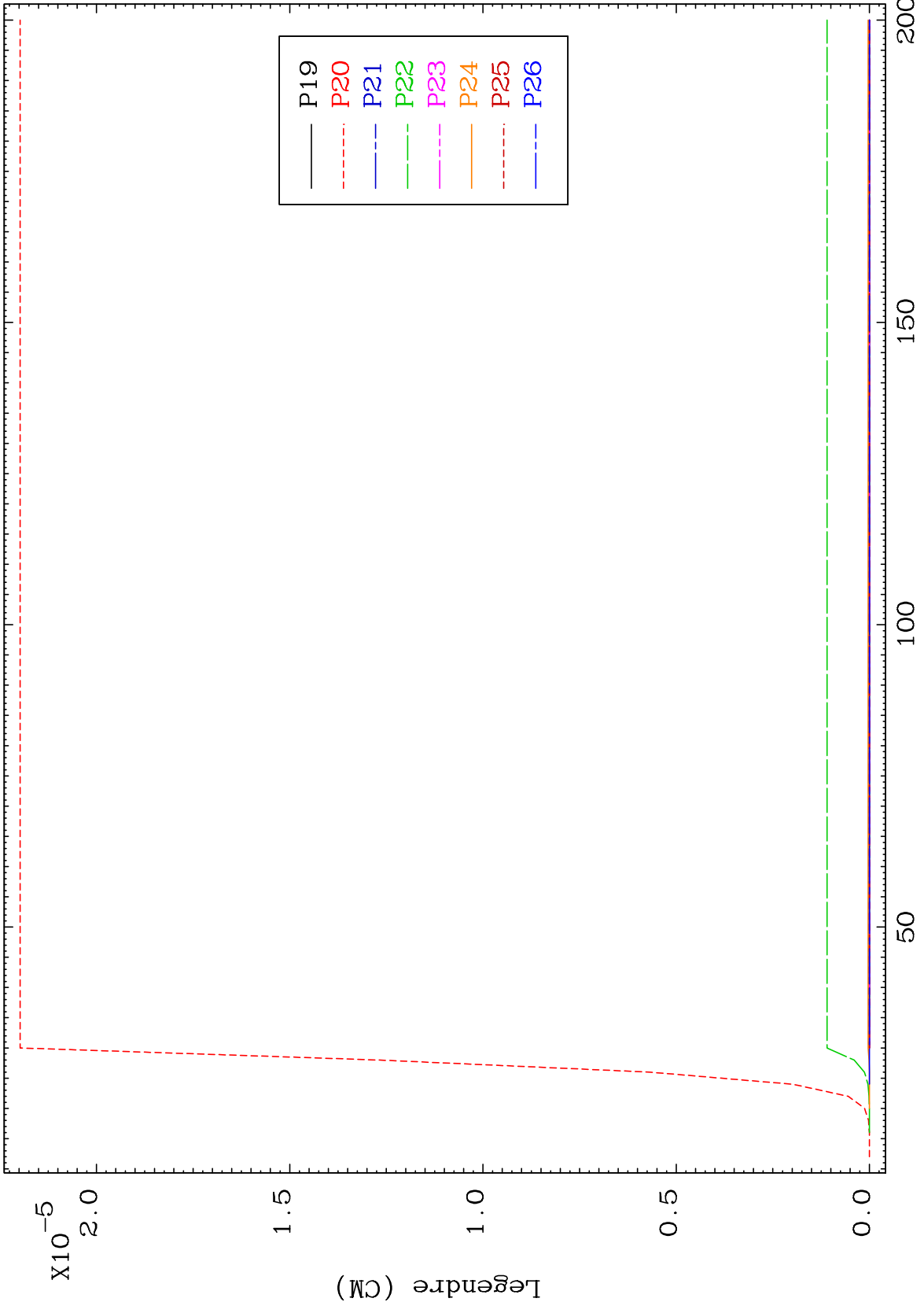
80-Hg-190



80-Hg-190

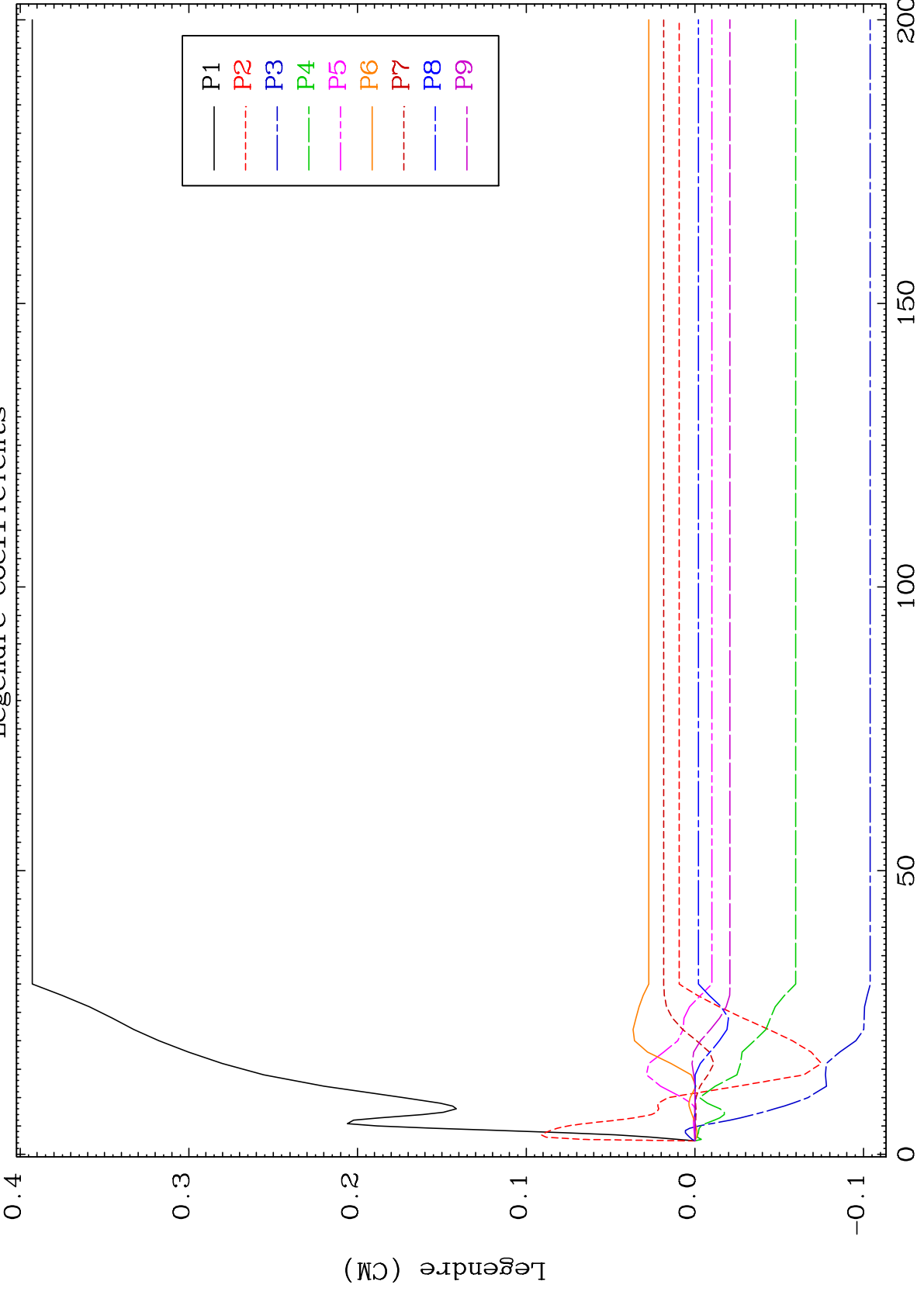
86

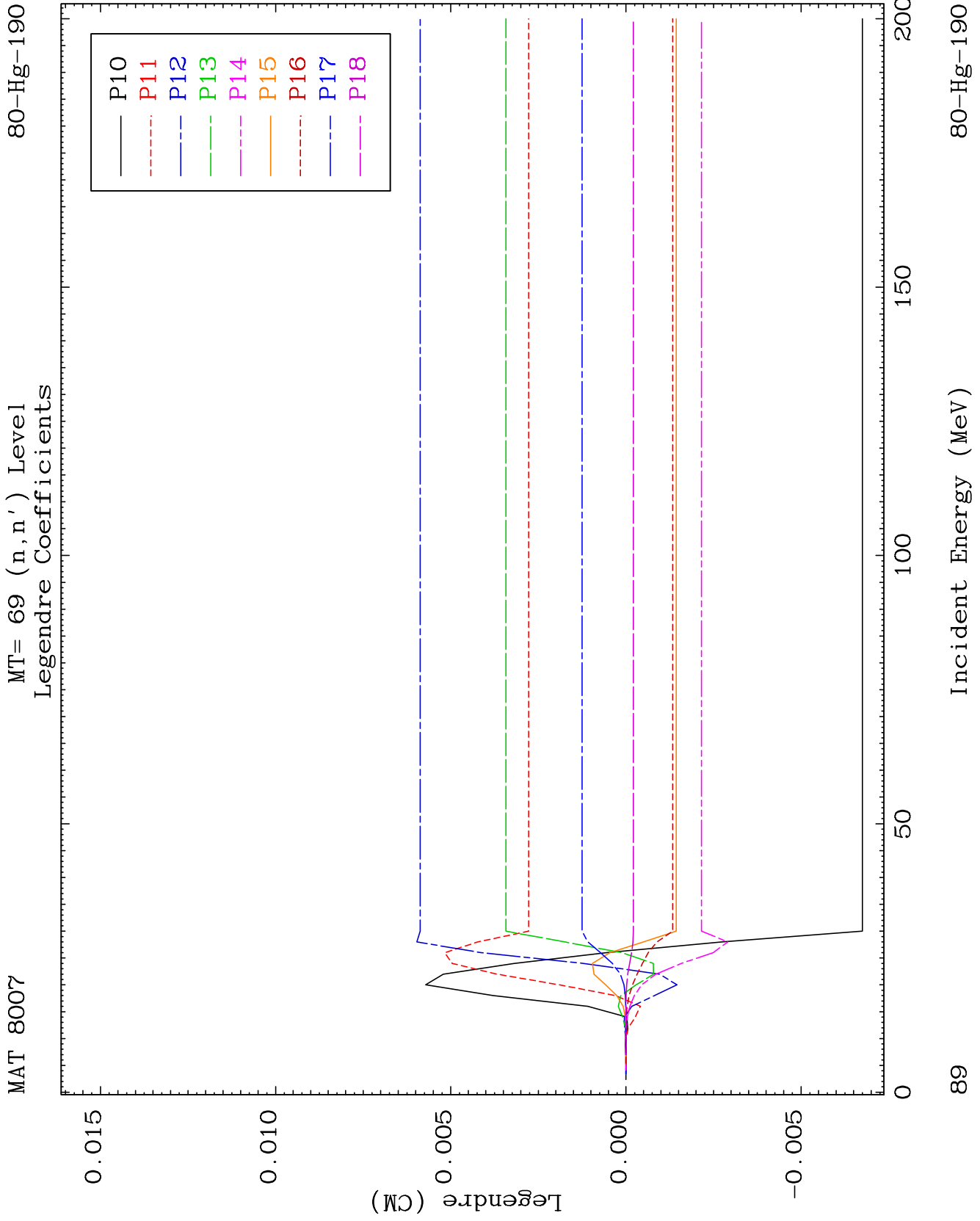
MAT 8007 MT= 68 (n,n') Level Legendre Coefficients 80-Hg-190



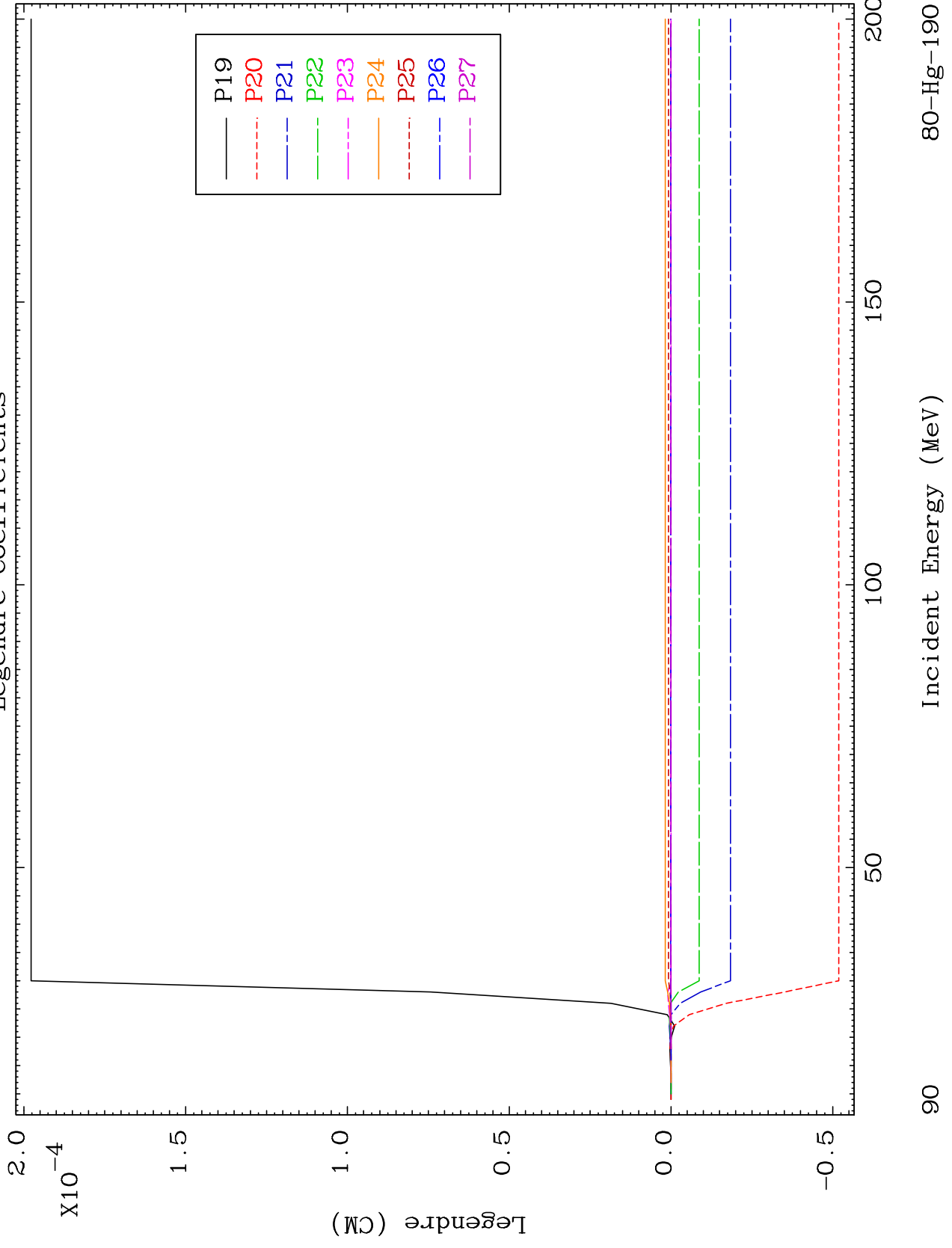
87 80-Hg-190

MAT 8007 MT= 69 (n,n') Level Legendre Coefficients 80-Hg-190





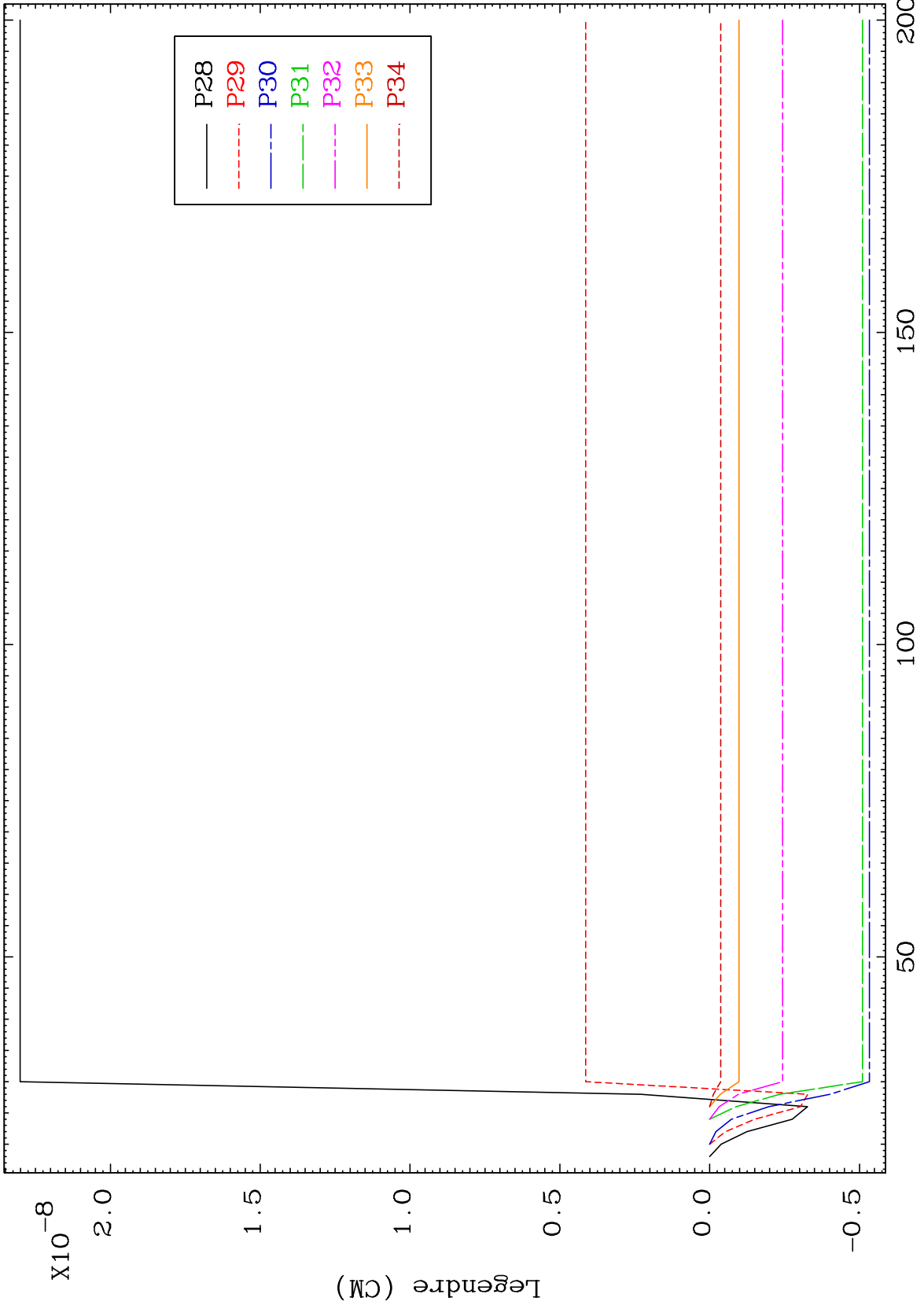
MAT 8007 MT= 69 (n, n') Level Legendre Coefficients 80-Hg-190

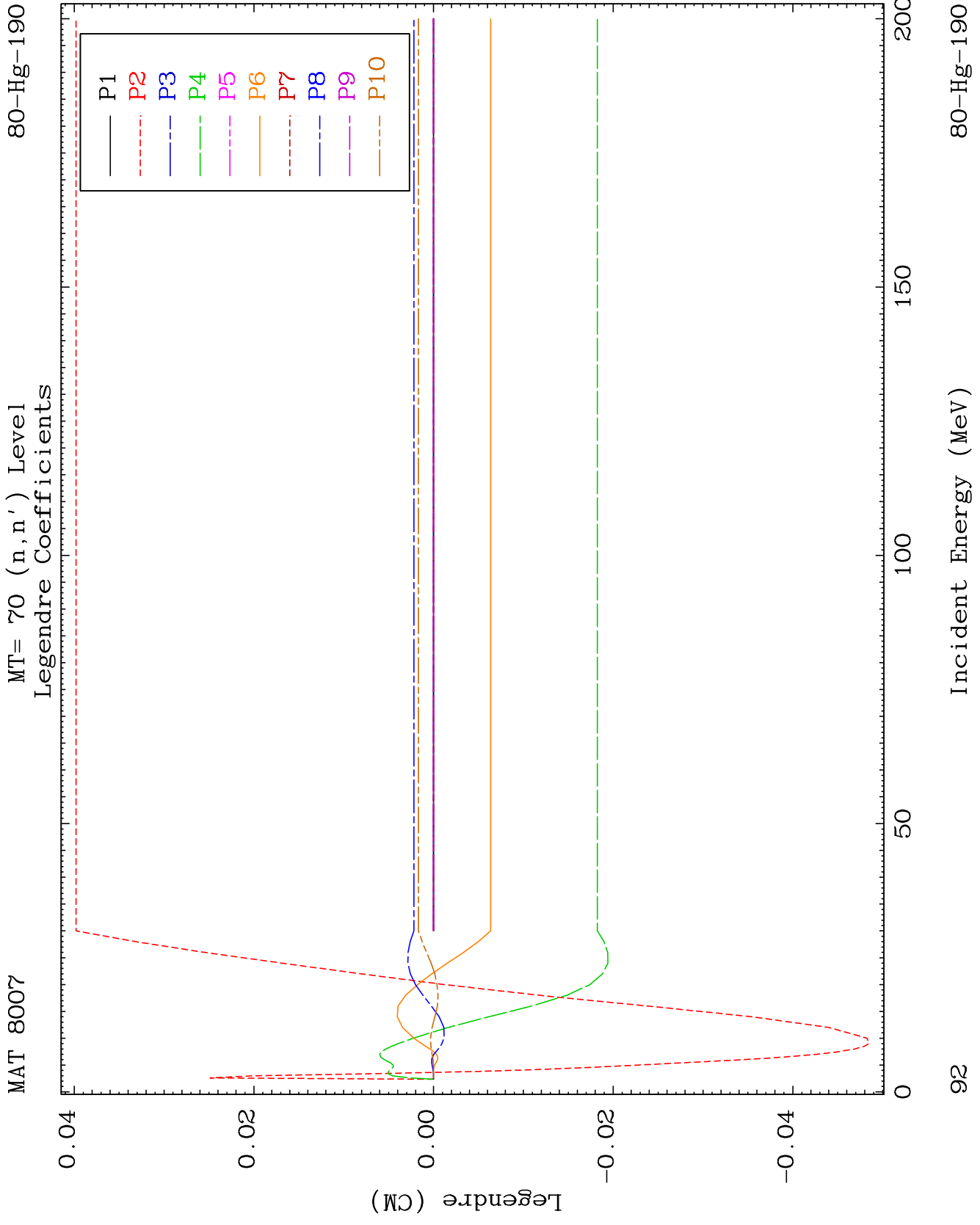


MAT 8007

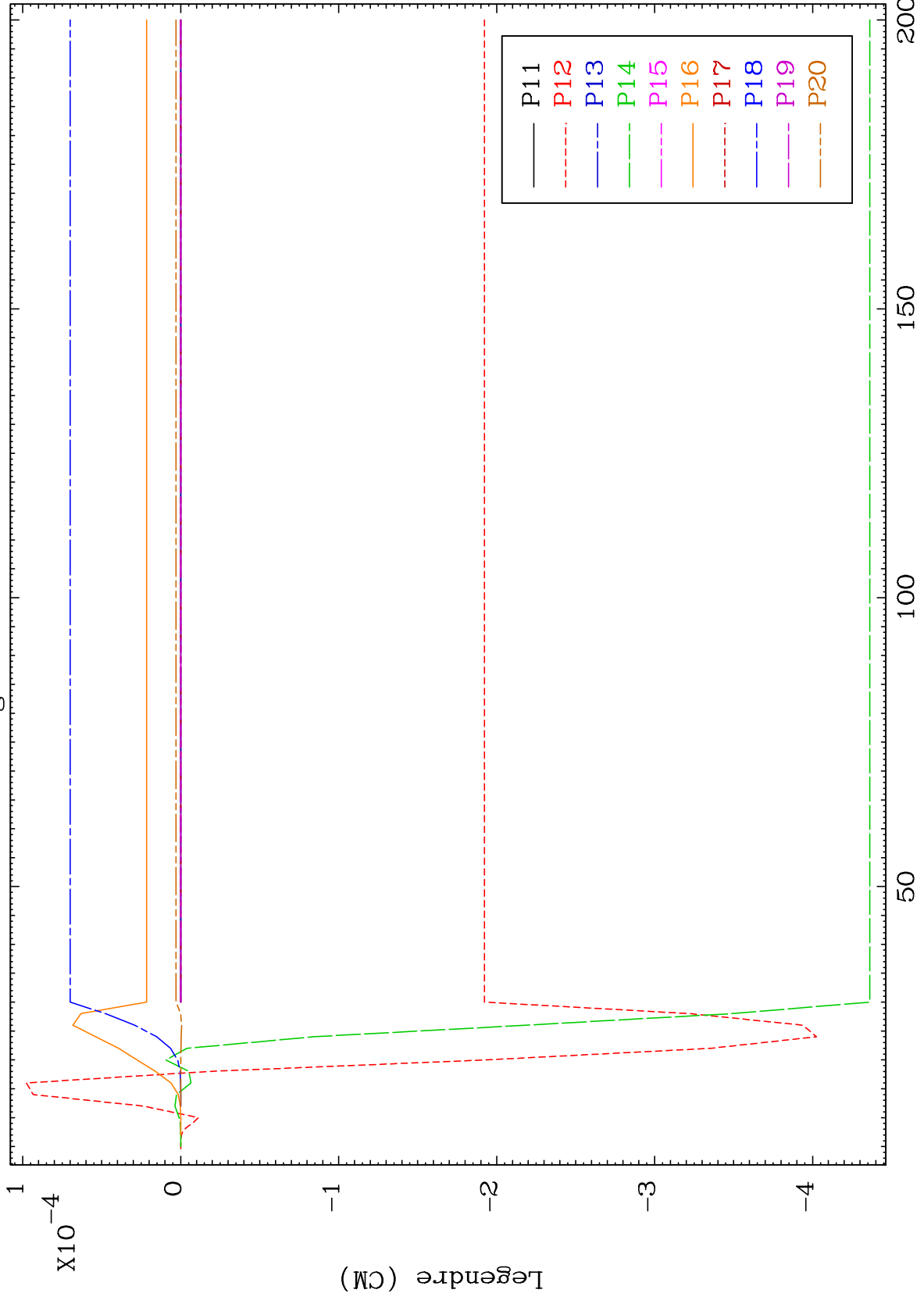
MT= 69 (n,n') Level
Legendre Coefficients

80-Hg-190

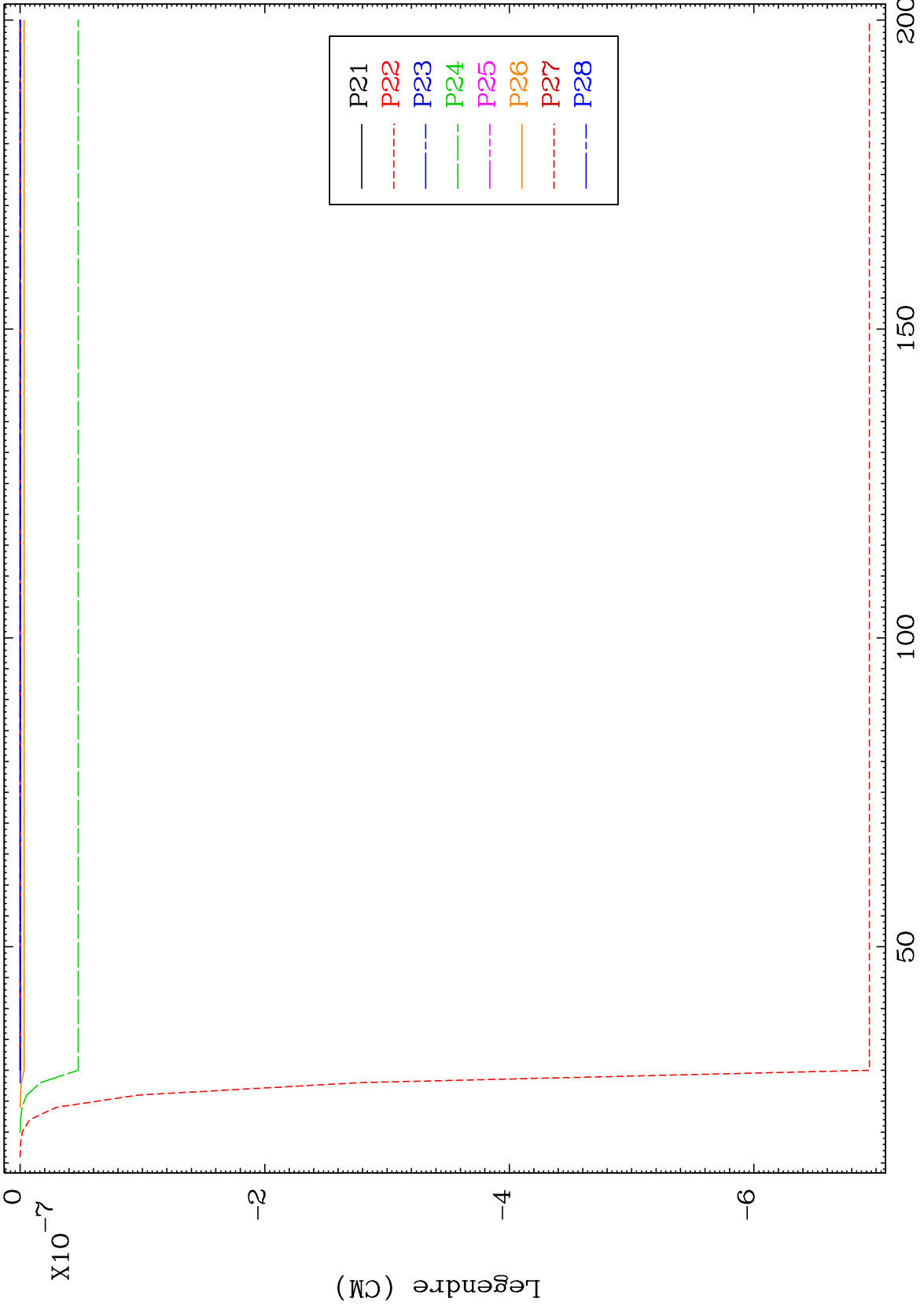




MAT 8007 MT= 70 (n,n') Level Legendre Coefficients 80-Hg-190



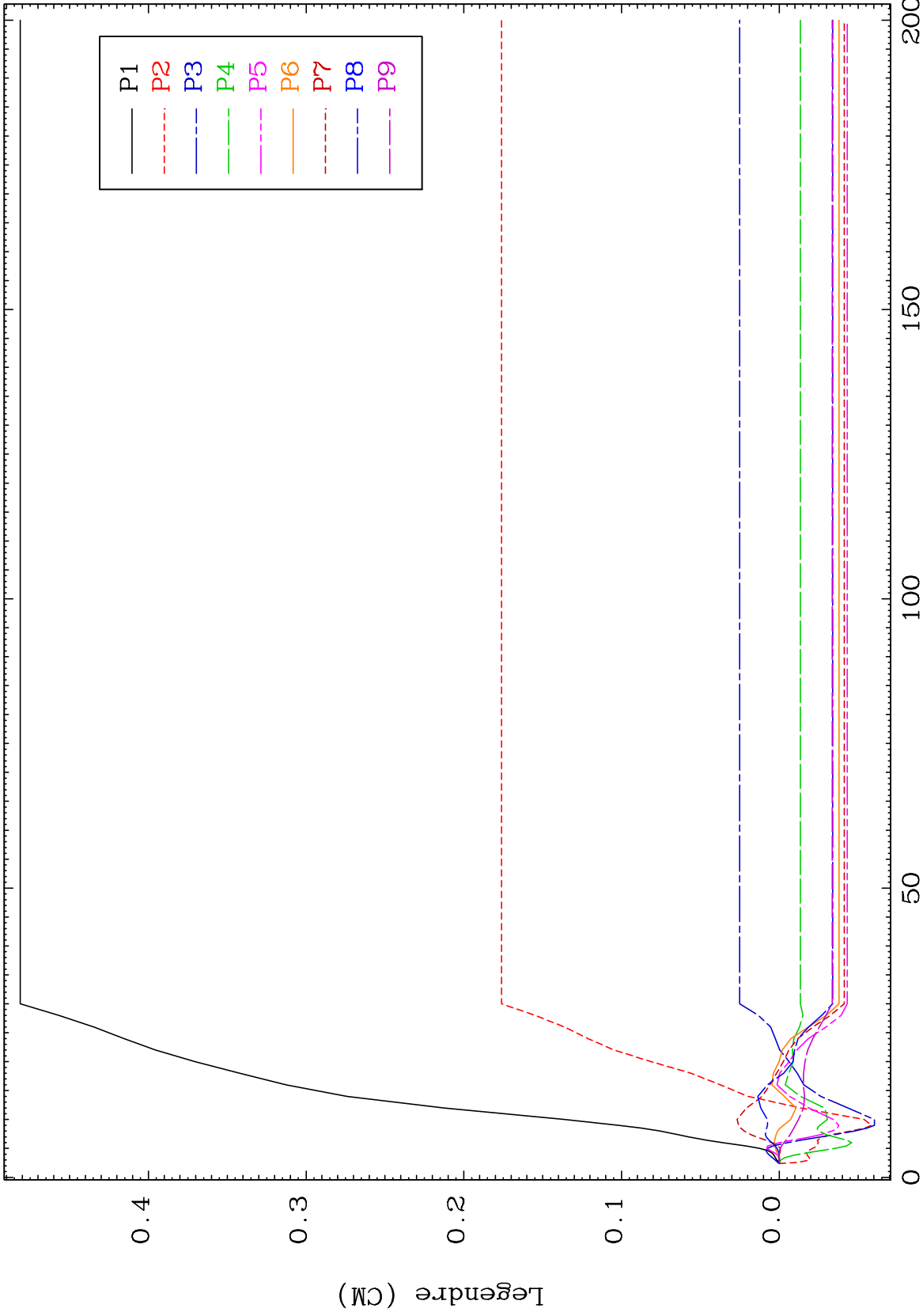
MAT 8007 MT= 70 (n,n') Level Legendre Coefficients 80-Hg-190



MAT 8007

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

80-Hg-190



95

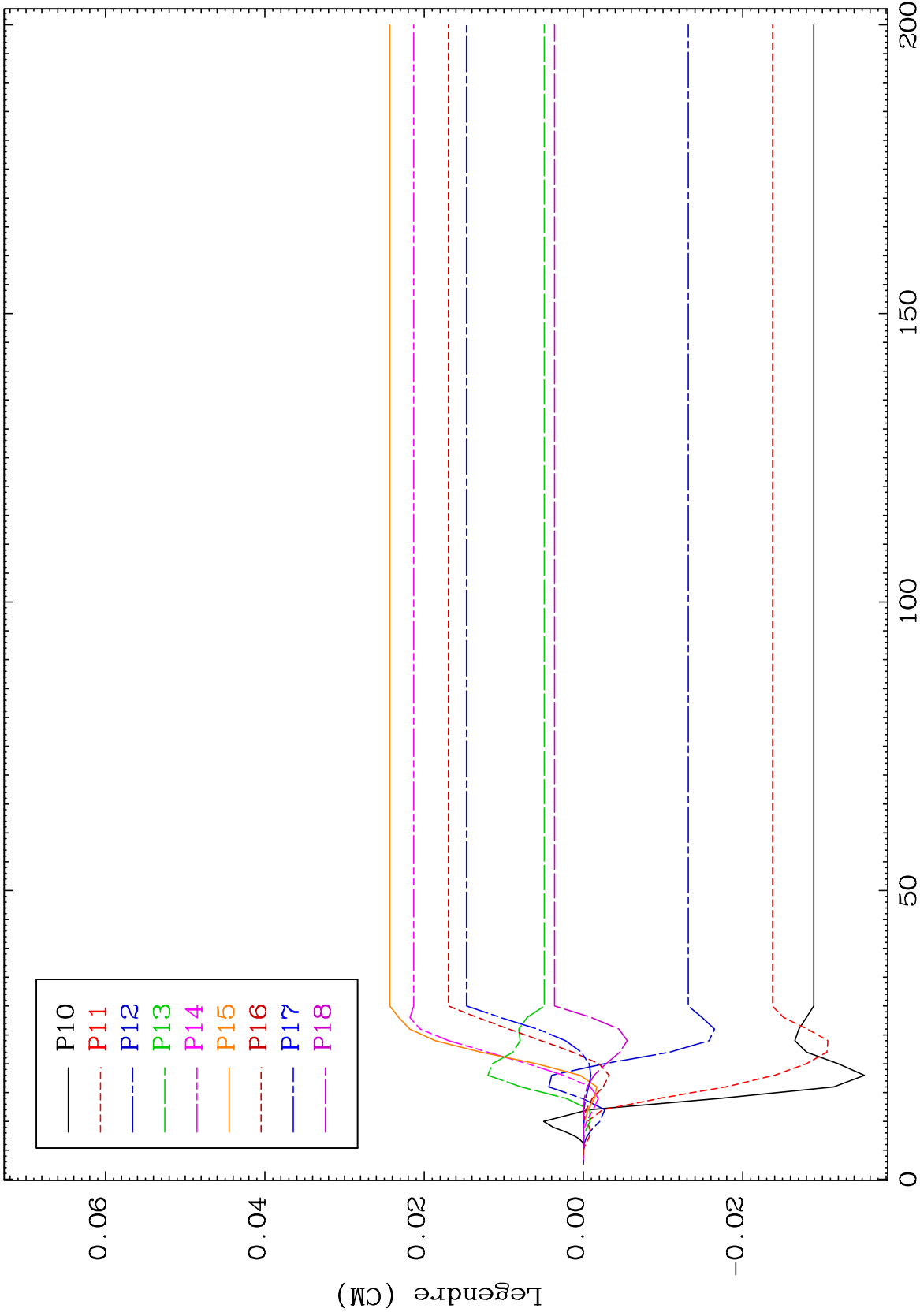
Incident Energy (MeV)

80-Hg-190

MAT 8007

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

80-Hg-190



96

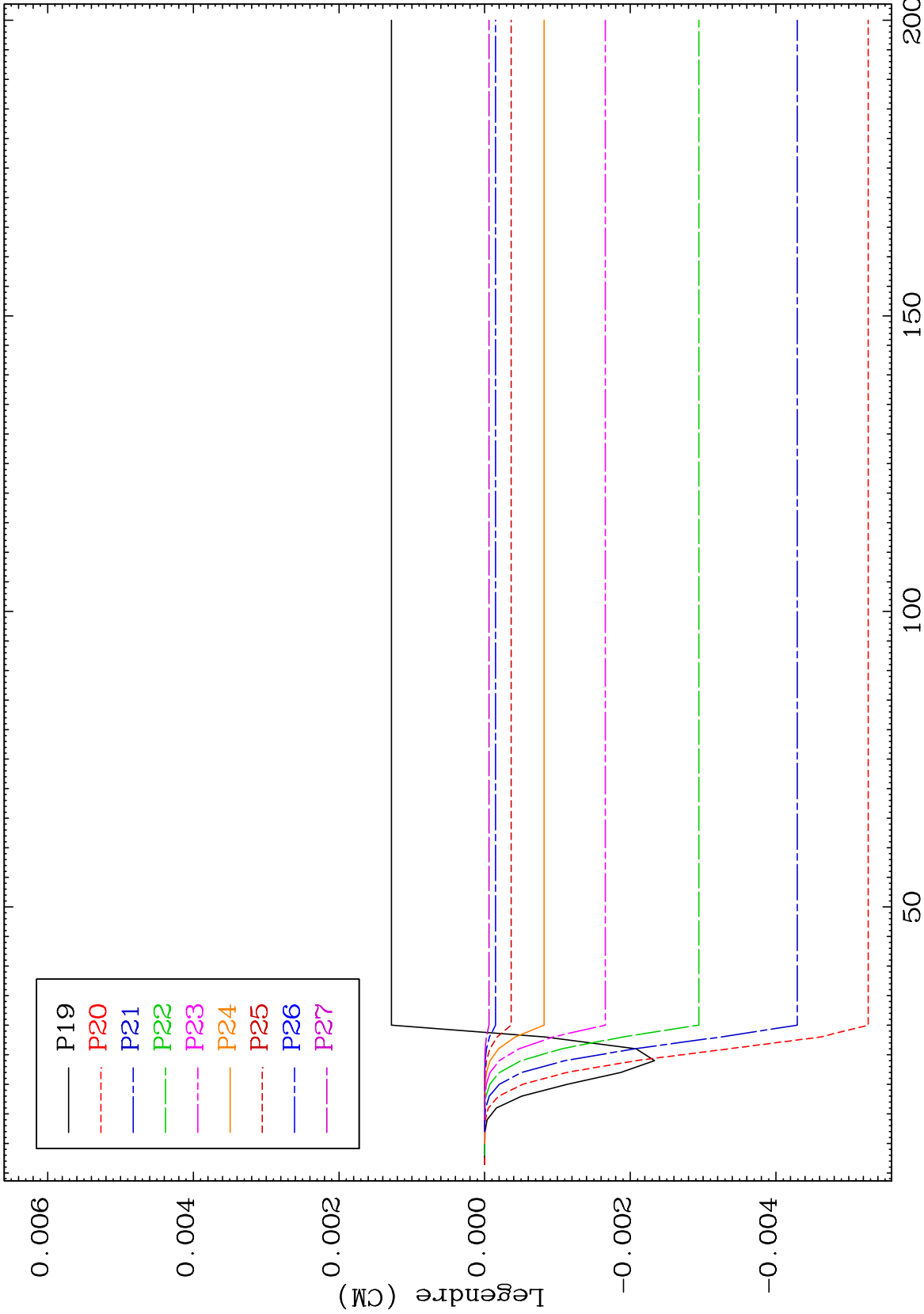
Incident Energy (MeV)

80-Hg-190

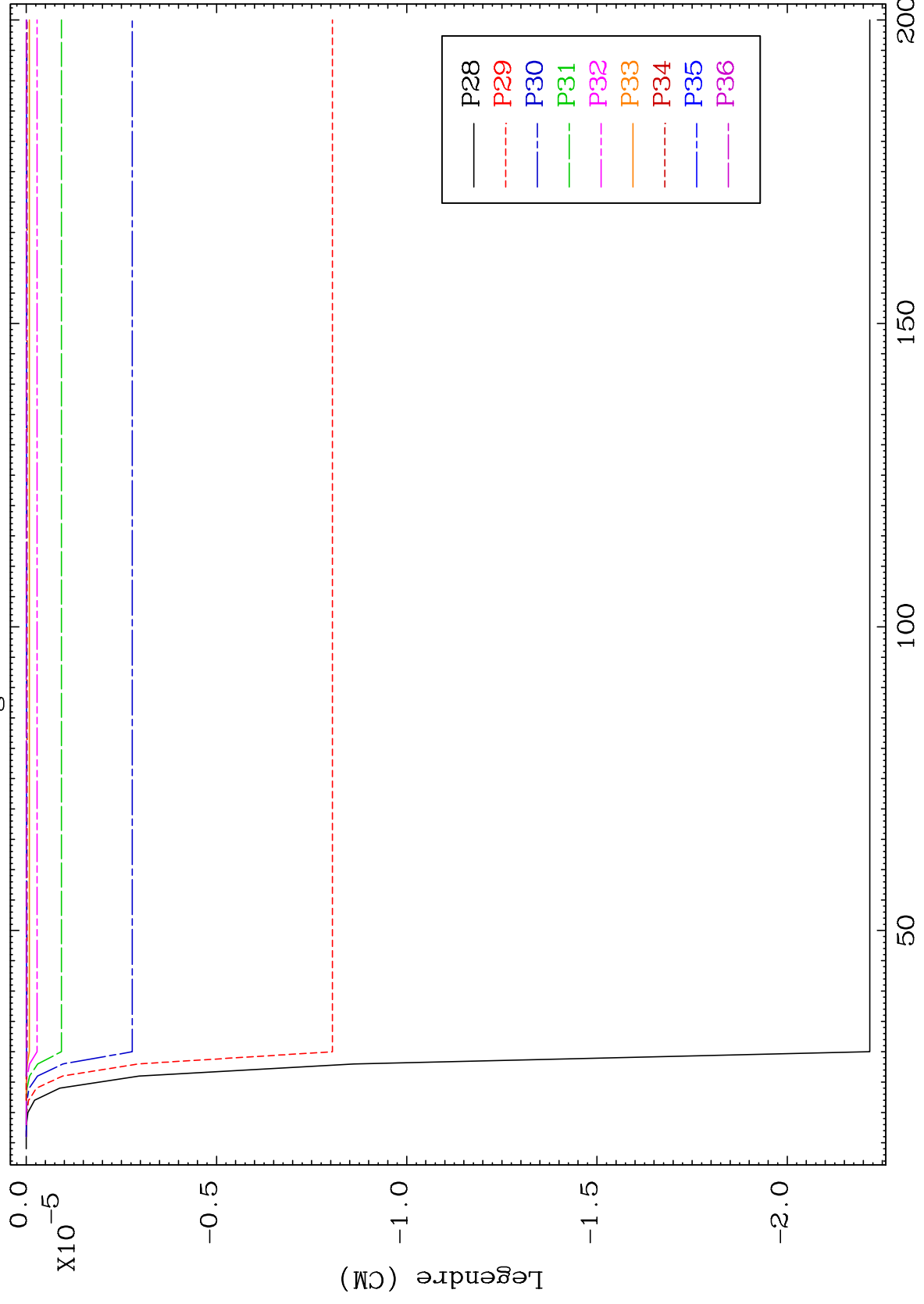
MAT 8007

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

80-Hg-190



MAT 8007 MT= 71 (n,n') Level Legendre Coefficients 80-Hg-190

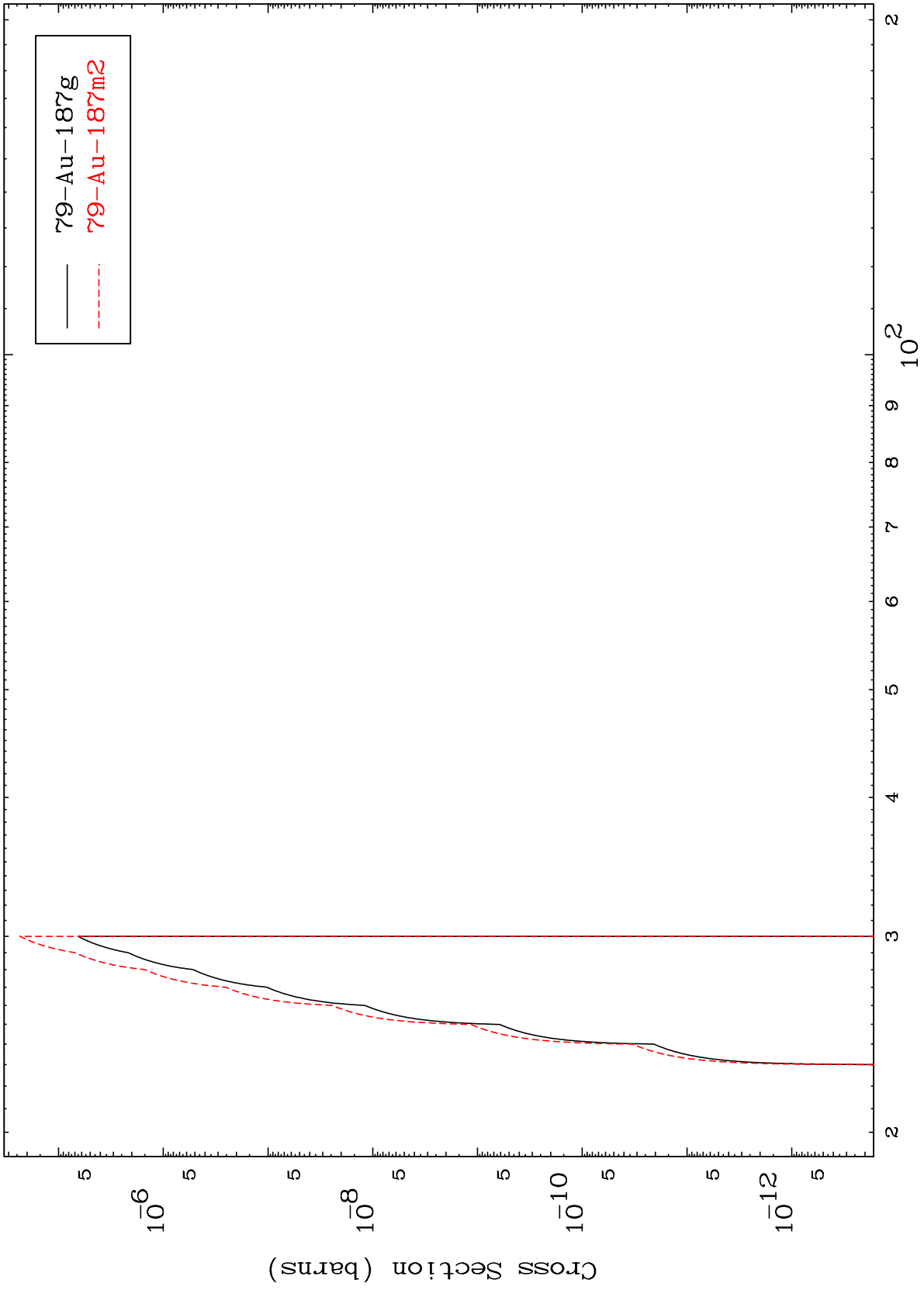


MAT 8007

(n,2n) d

80-Hg-190

Radionuclide Production Cross Section



99

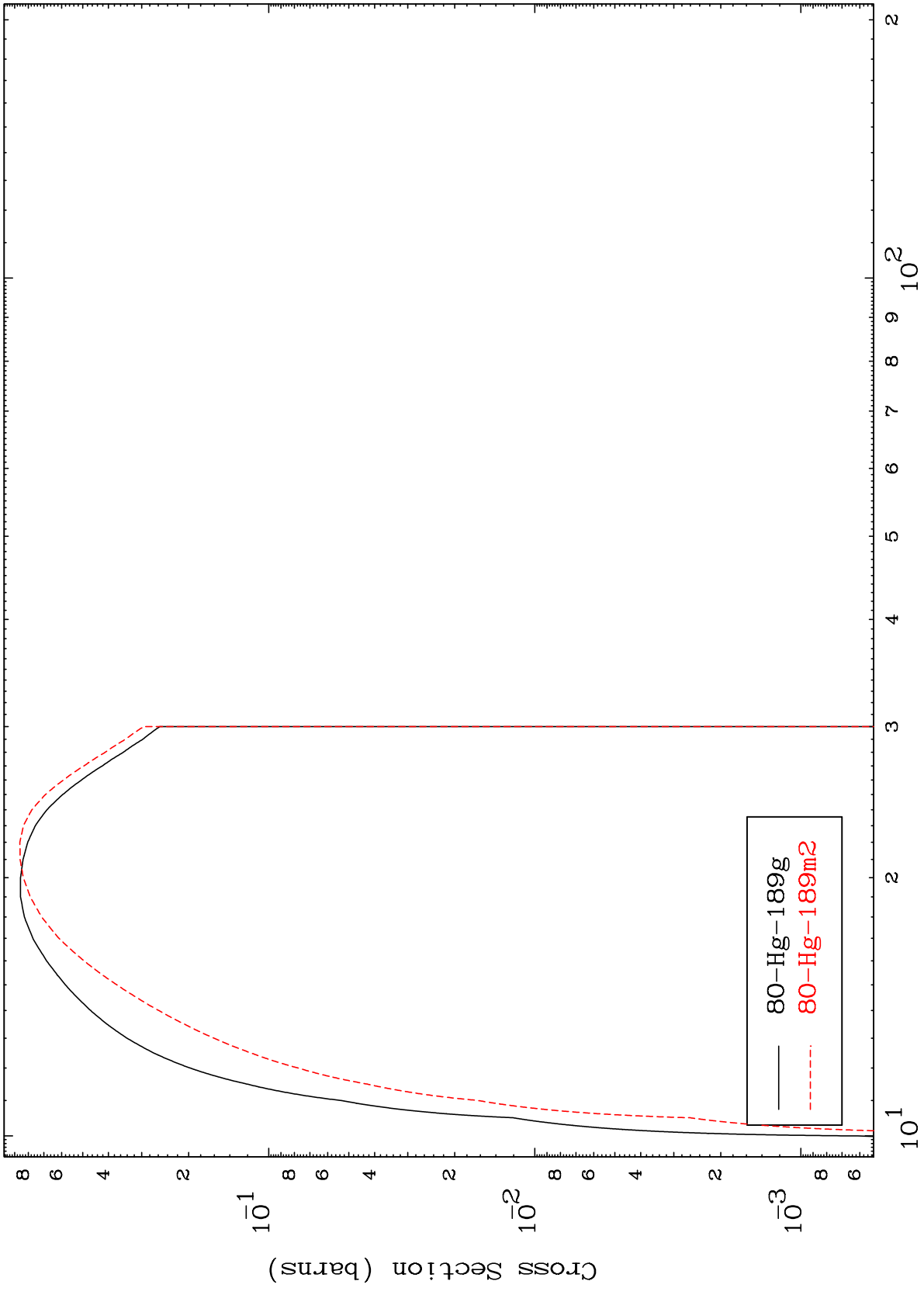
Incident Energy (MeV)

80-Hg-190

MAT 8007

80-Hg-190

Radionuclide Production Cross Section
(n,2n)



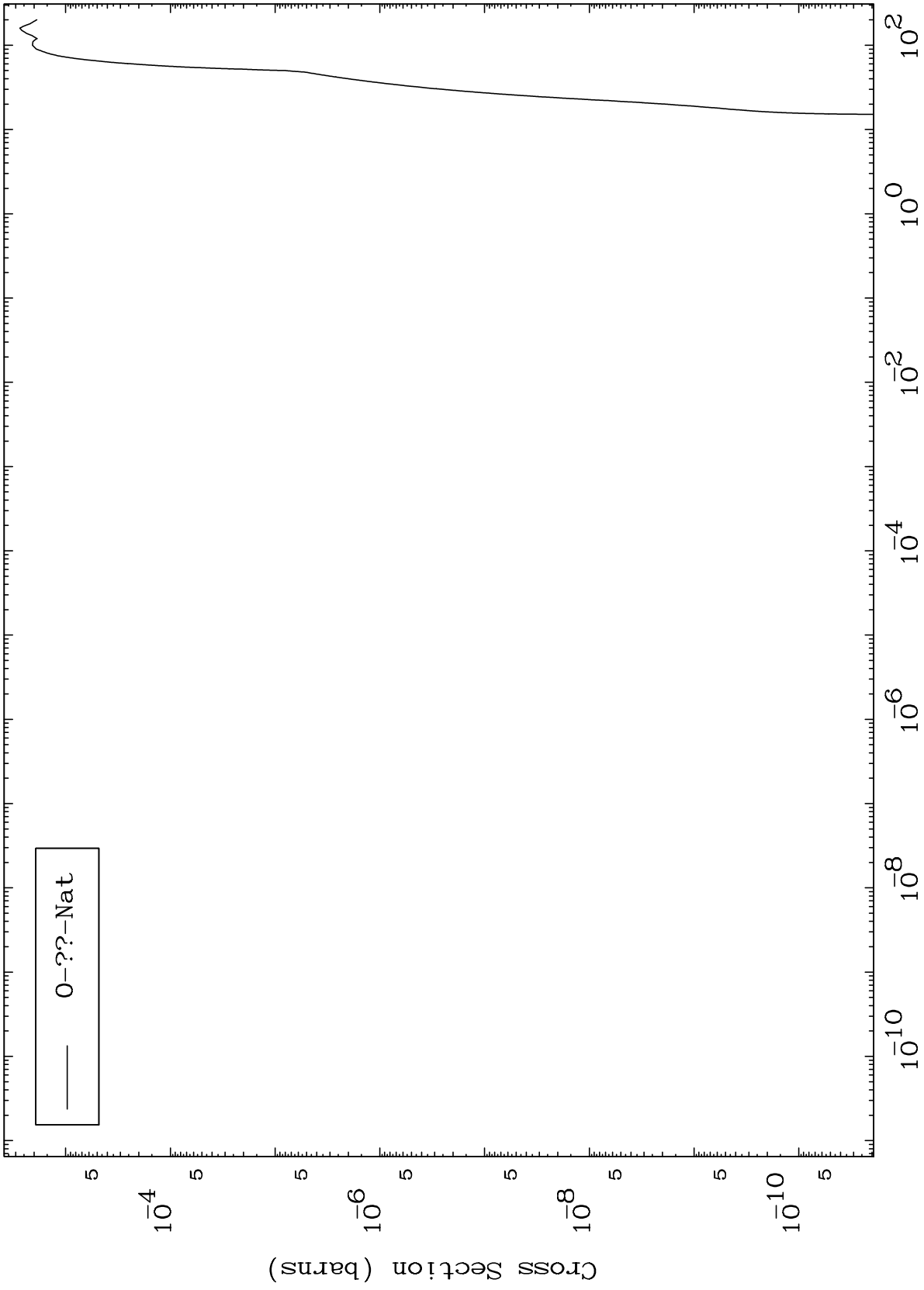
80-Hg-190

Incident Energy (MeV)

MAT 8007

Fission
Radionuclide Production Cross Section

80-Hg-190



101

Incident Energy (MeV)

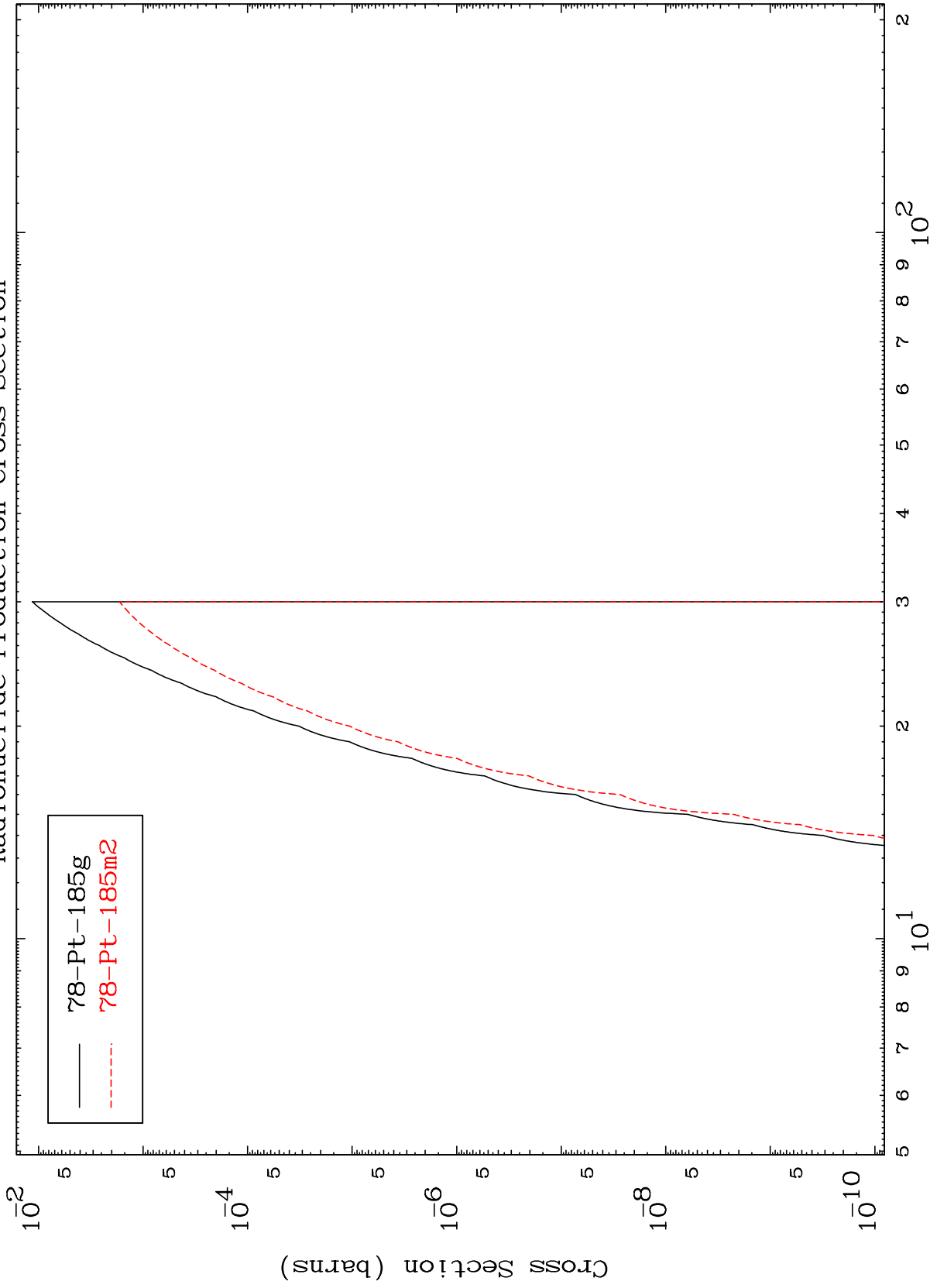
80-Hg-190

MAT 8007

$(n, 2n) \alpha$

80-Hg-190

Radionuclide Production Cross Section



78-Pt-185g
78-Pt-185m2

102

Incident Energy (MeV)

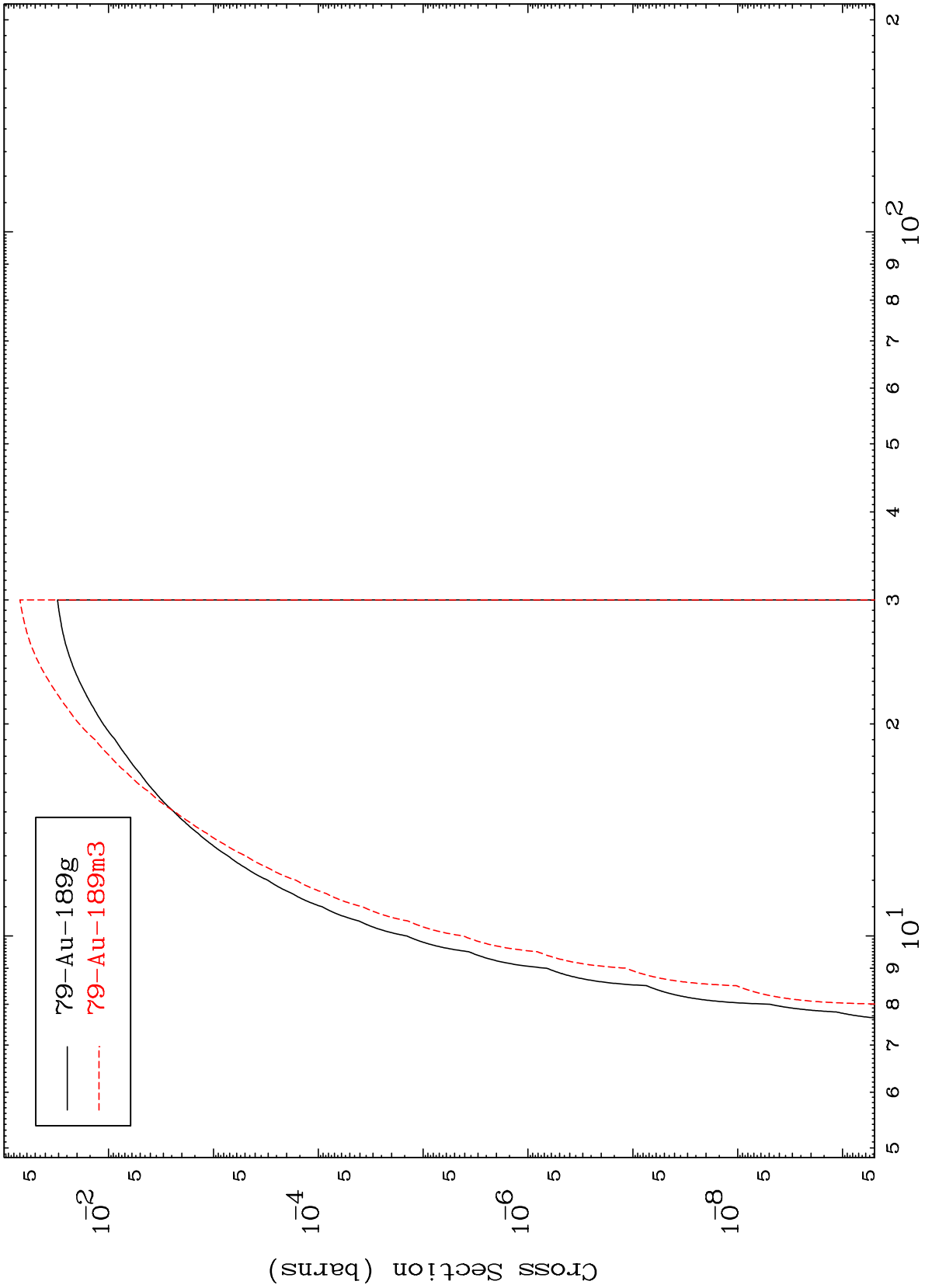
80-Hg-190

MAT 8007

(n,n') p

80-Hg-190

Radionuclide Production Cross Section



Legend:
— $^{79}\text{Au-189g}$
- - - $^{79}\text{Au-189m3}$

103

Incident Energy (MeV)

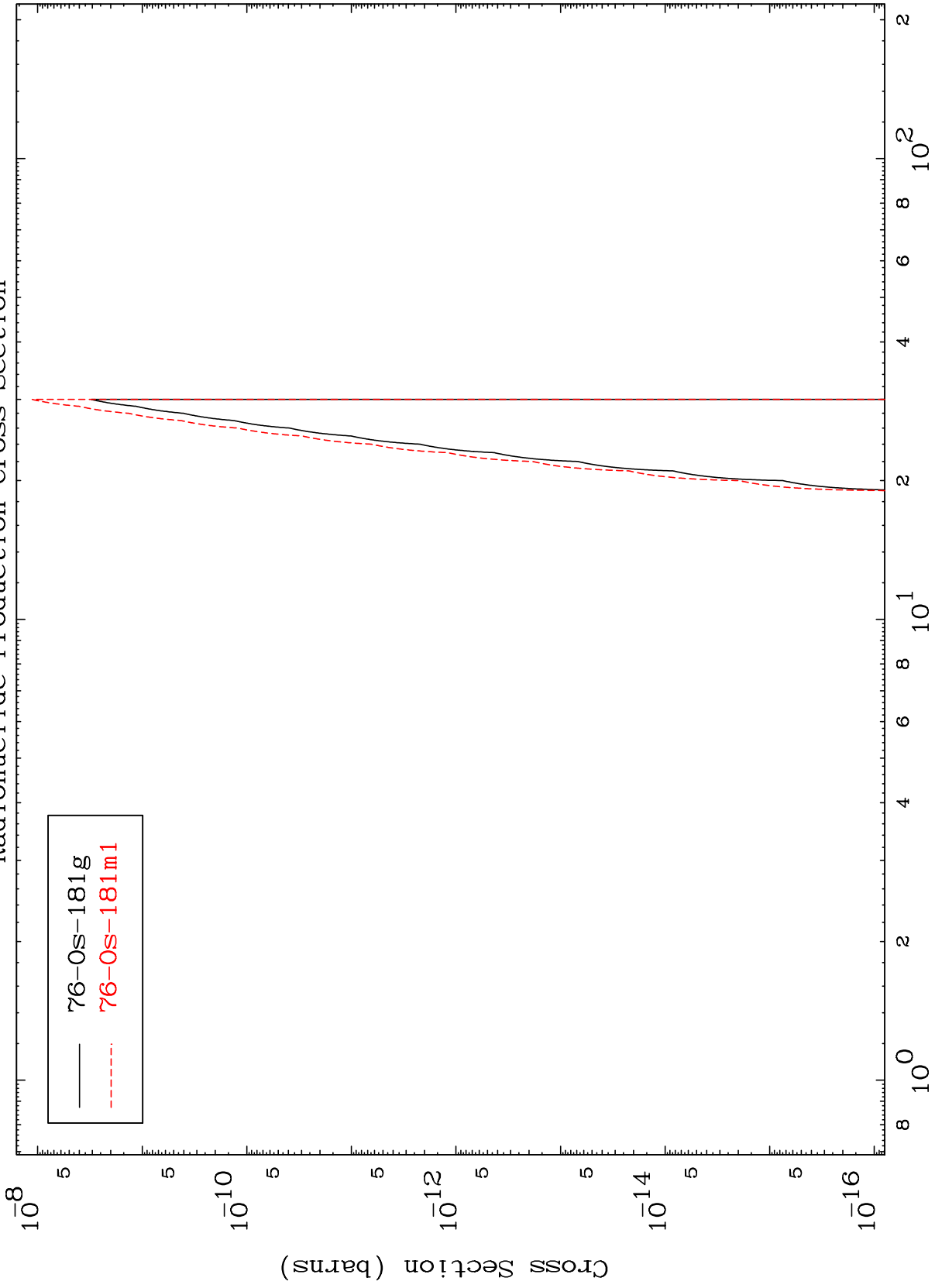
80-Hg-190

MAT 8007

(n,2n) 2 α

80-Hg-190

Radionuclide Production Cross Section



104

Incident Energy (MeV)

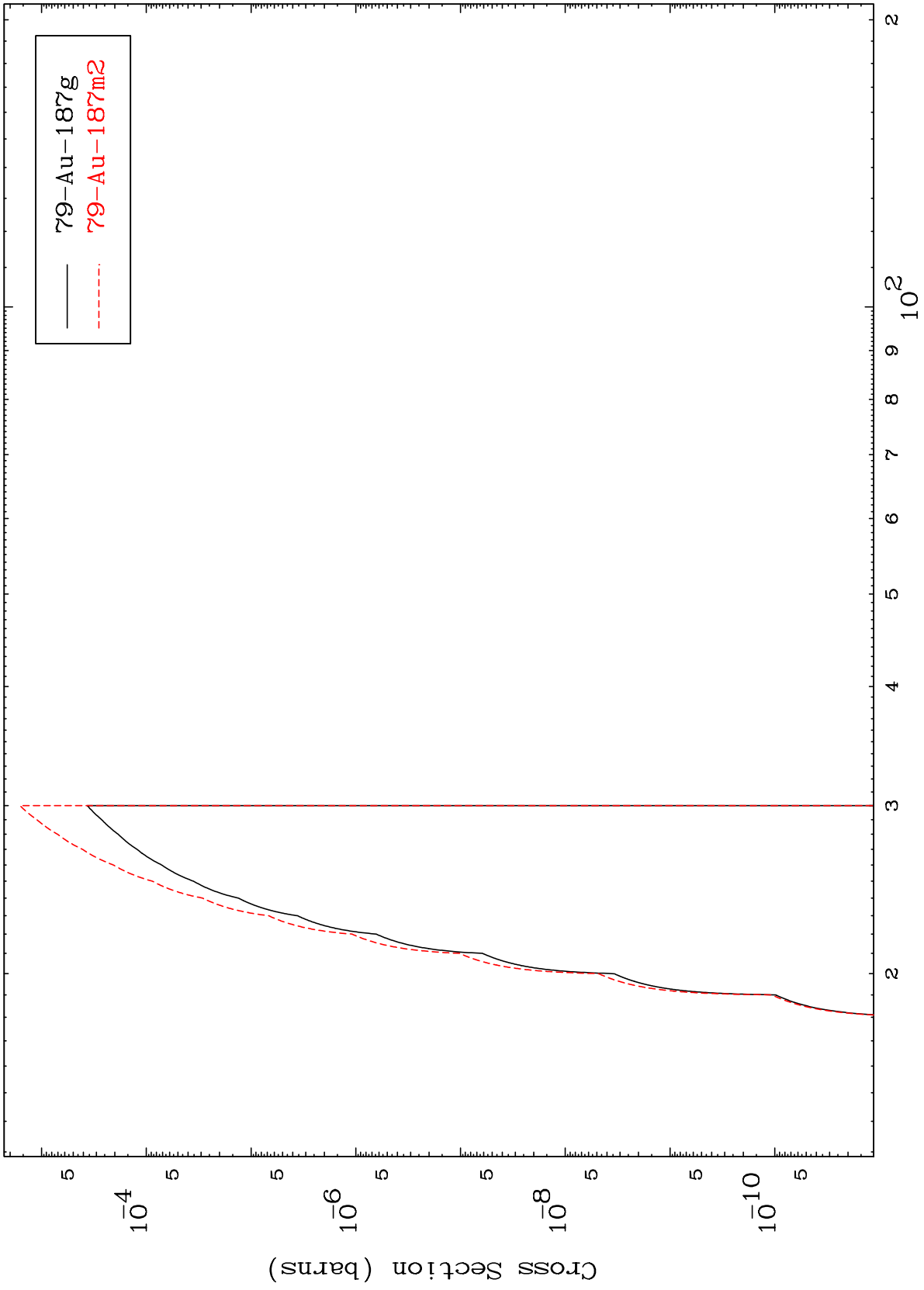
80-Hg-190

MAT 8007

(n,n') t

80-Hg-190

Radionuclide Production Cross Section



105

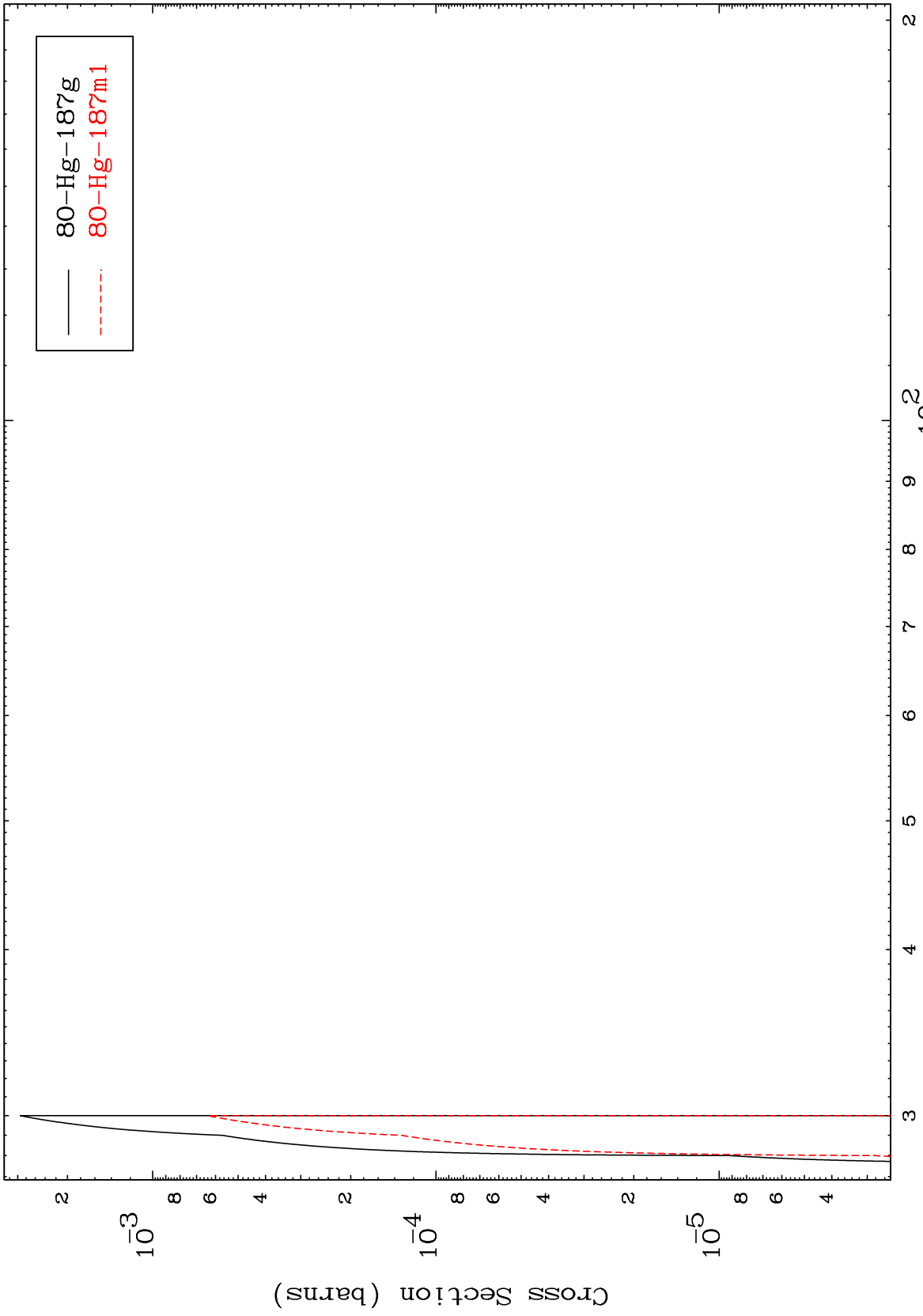
Incident Energy (MeV)

80-Hg-190

MAT 8007

80-Hg-190

(n,4n)
Radionuclide Production Cross Section



106

Incident Energy (MeV)

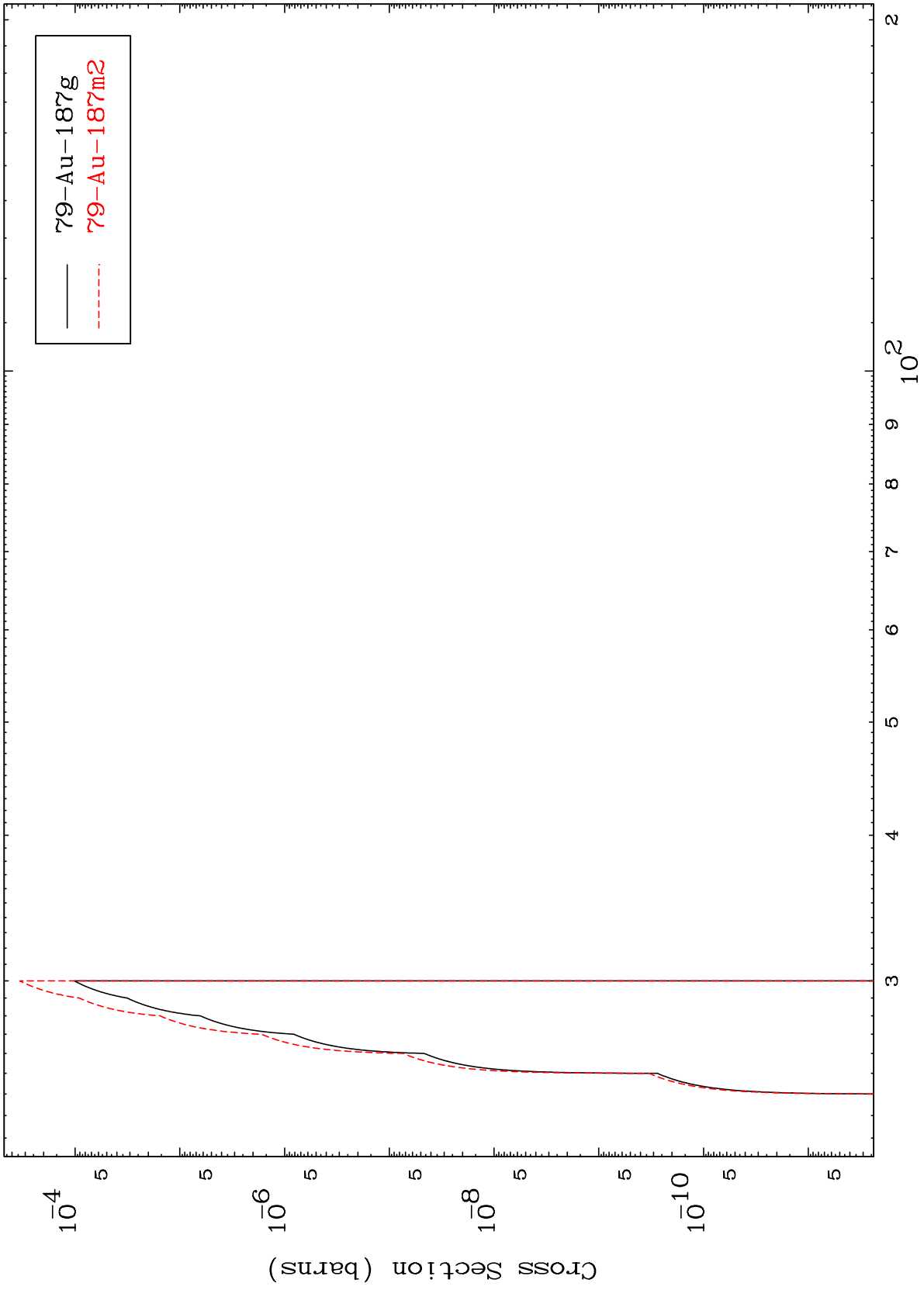
80-Hg-190

MAT 8007

(n,3n) p

80-Hg-190

Radionuclide Production Cross Section



107

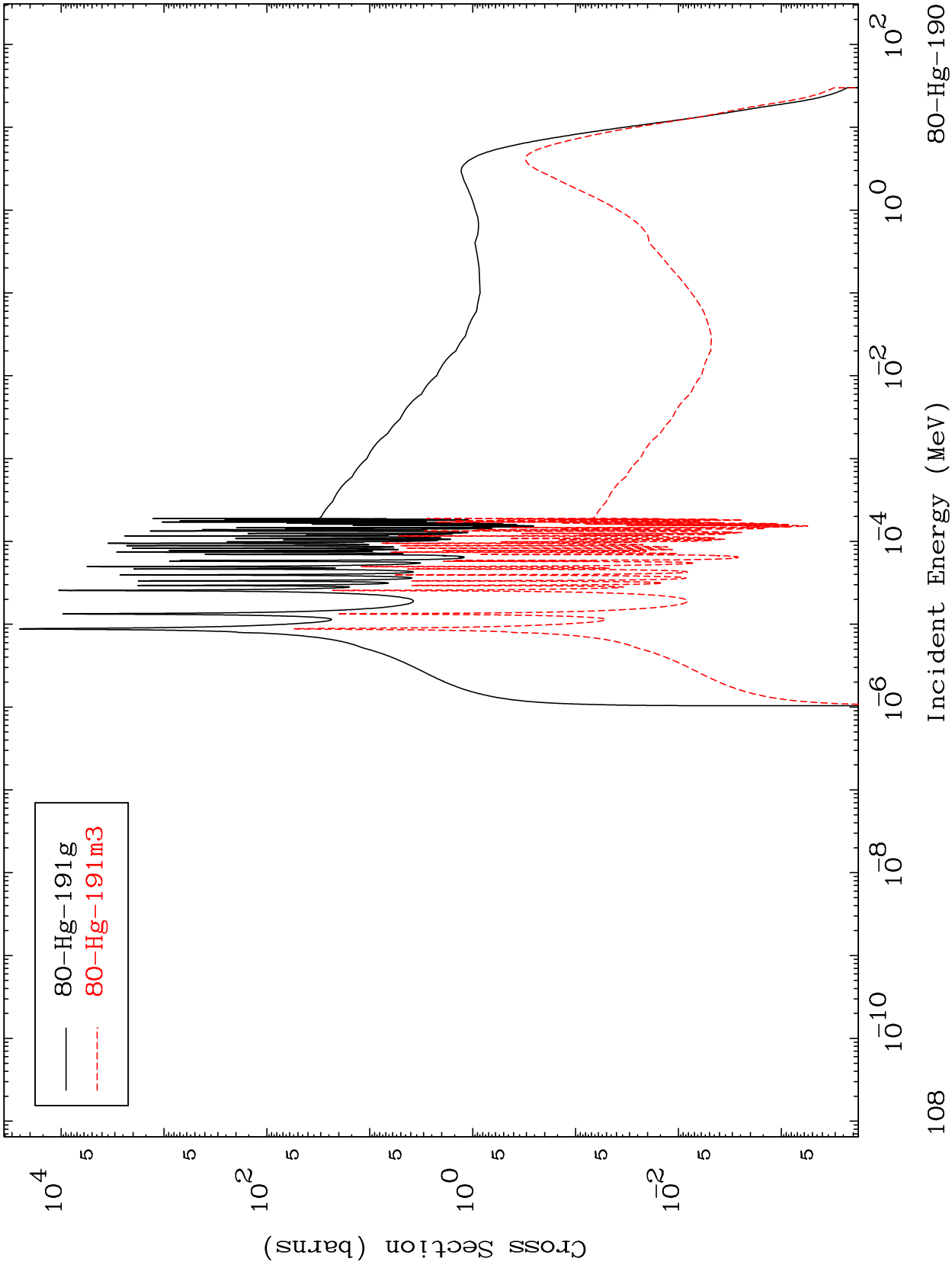
Incident Energy (MeV)

80-Hg-190

MAT 8007

Radionuclide Production Cross Section
(n, γ)

80-Hg-190

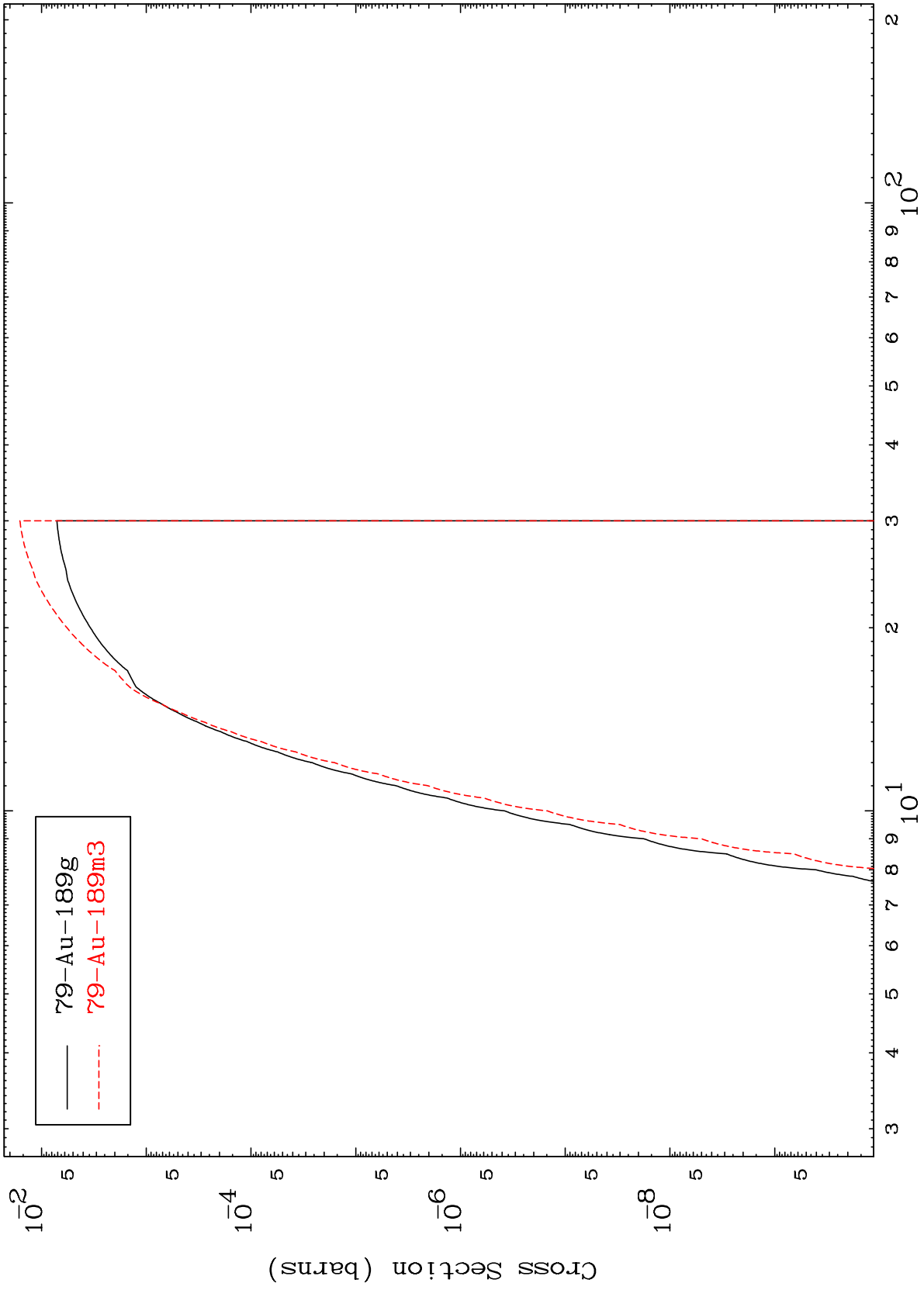


108

MAT 8007

80-Hg-190

(n,d)
Radionuclide Production Cross Section



— 79-Au-189g
- - - 79-Au-189m3

109

Incident Energy (MeV)

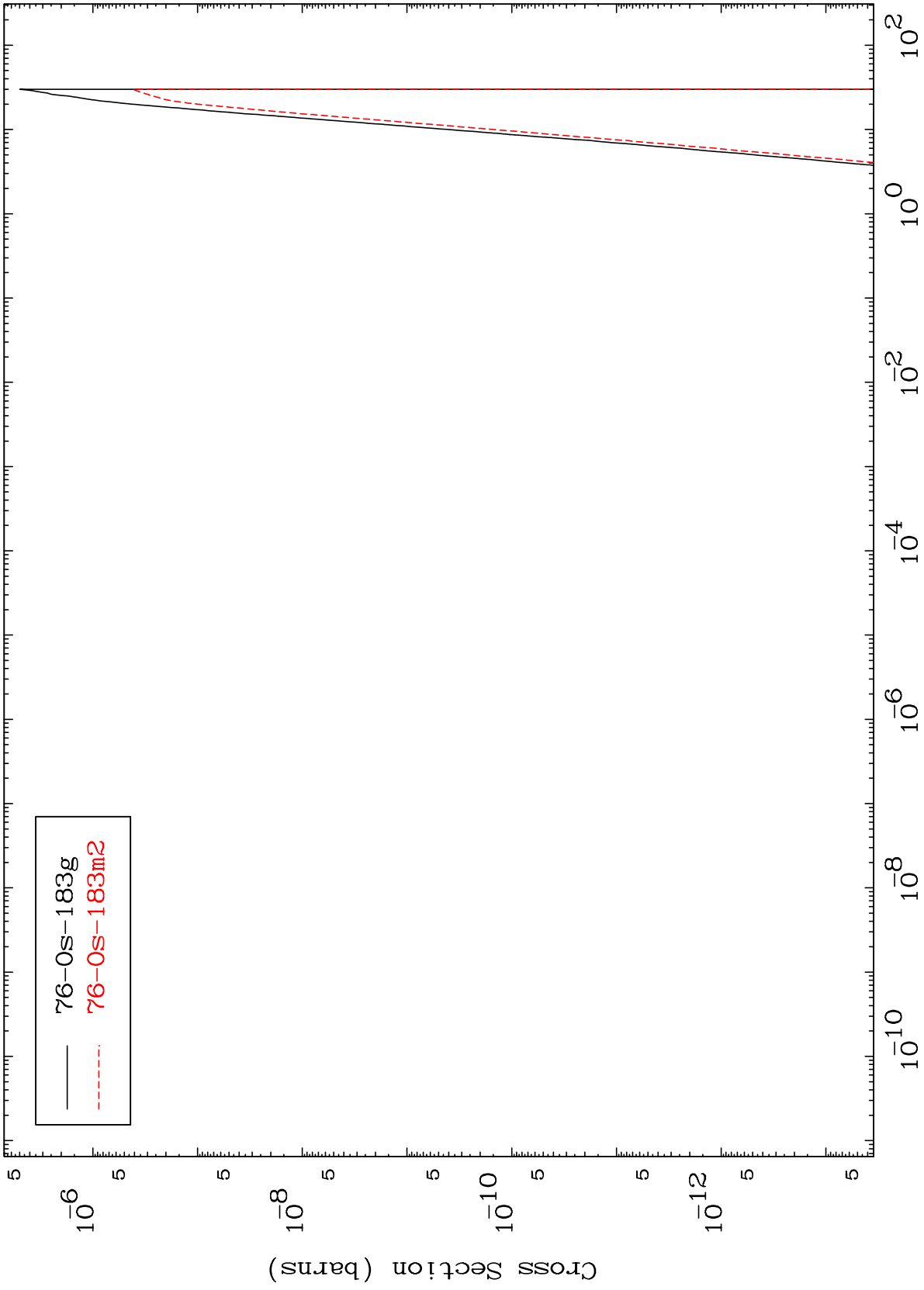
80-Hg-190

MAT 8007

(n,2α)

80-Hg-190

Radionuclide Production Cross Section



110

Incident Energy (MeV)

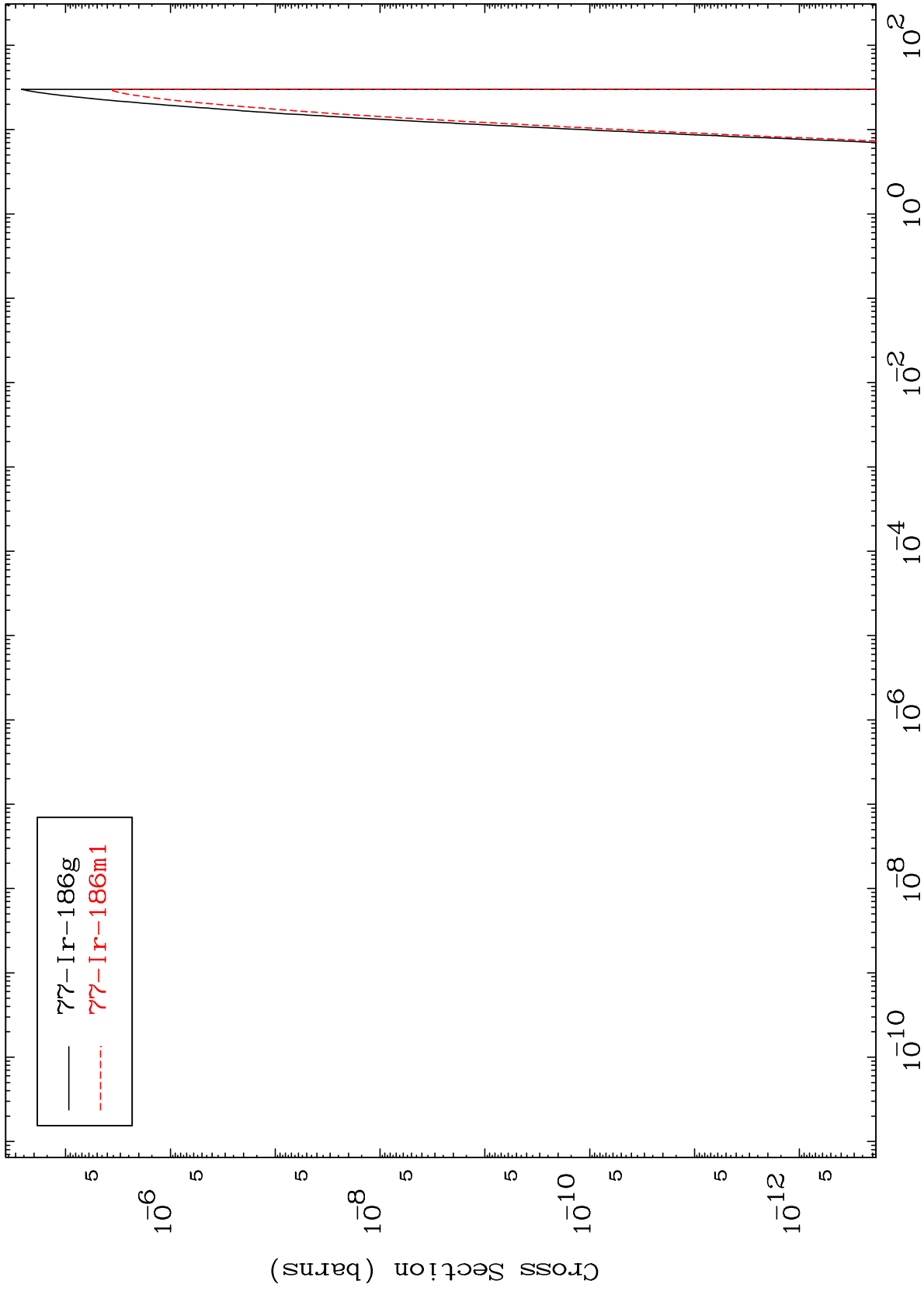
80-Hg-190

MAT 8007

(n,p) α

80-Hg-190

Radionuclide Production Cross Section



111

Incident Energy (MeV)

80-Hg-190