

Program EVALPLOT
(Version 2018-1)

by

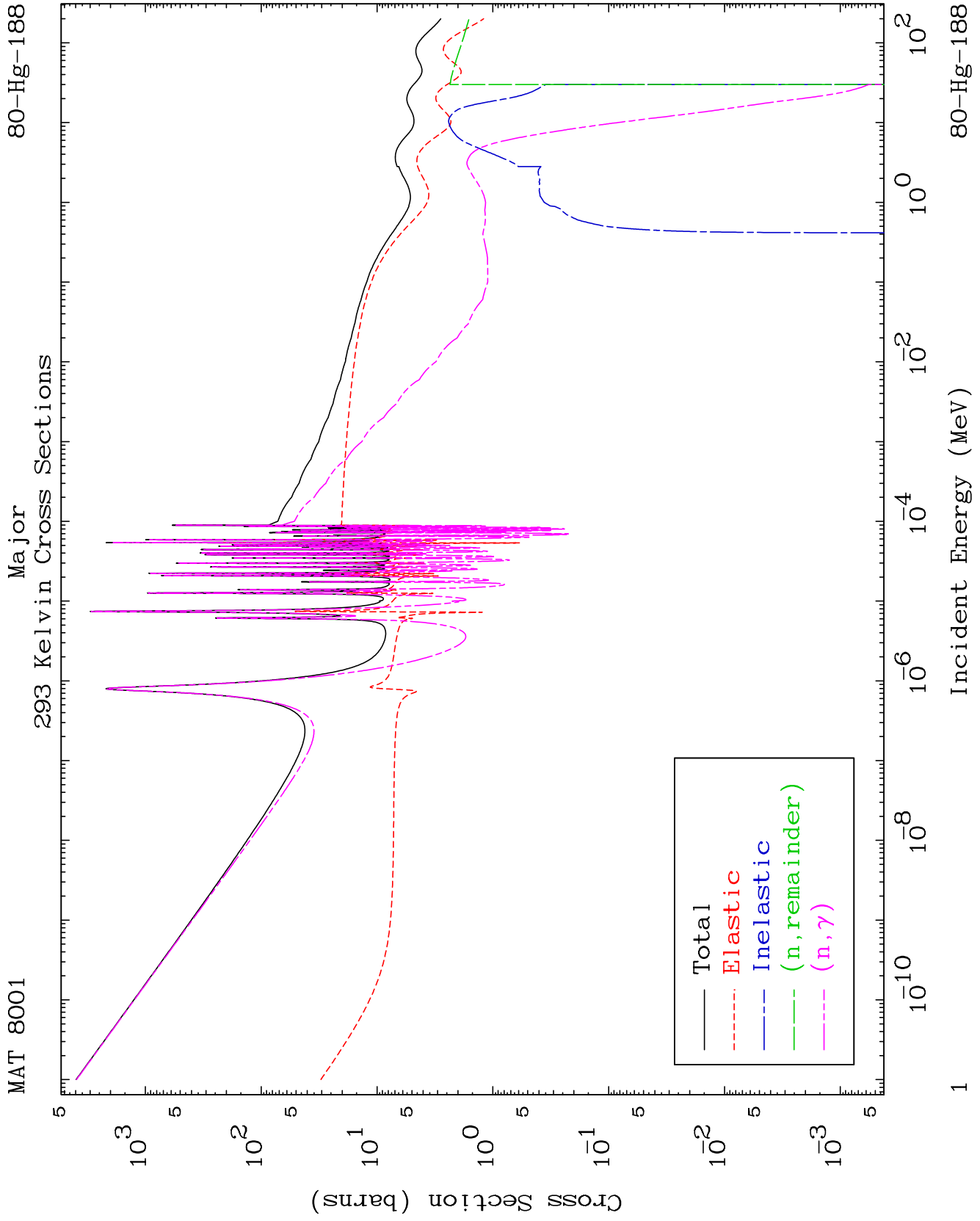
Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

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

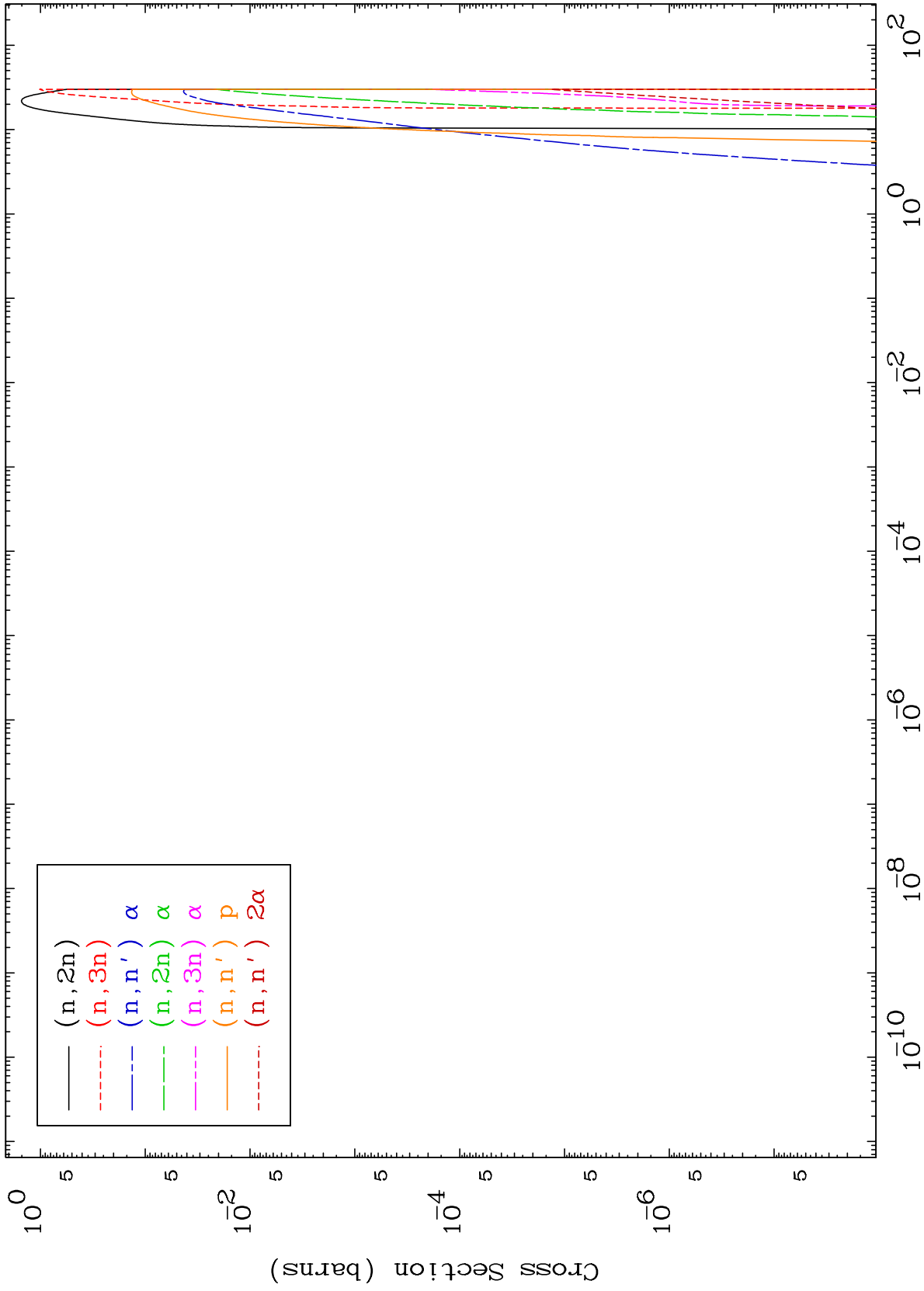
Press Mouse Button to Start



MAT 8001

Neutron Production
293 Kelvin Cross Sections

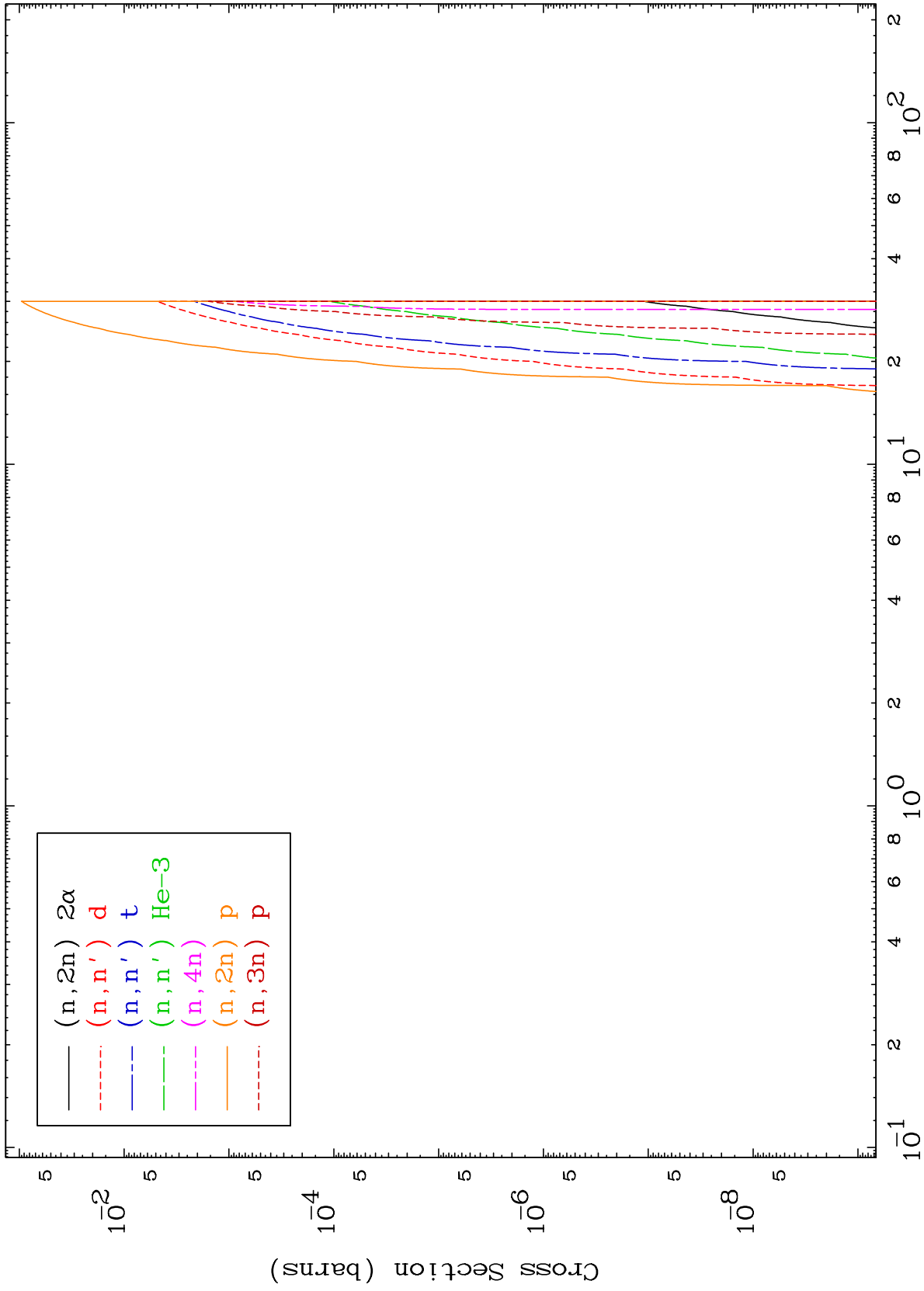
80-Hg-188



MAT 8001

Neutron Production
293 Kelvin Cross Sections

80-Hg-188



3

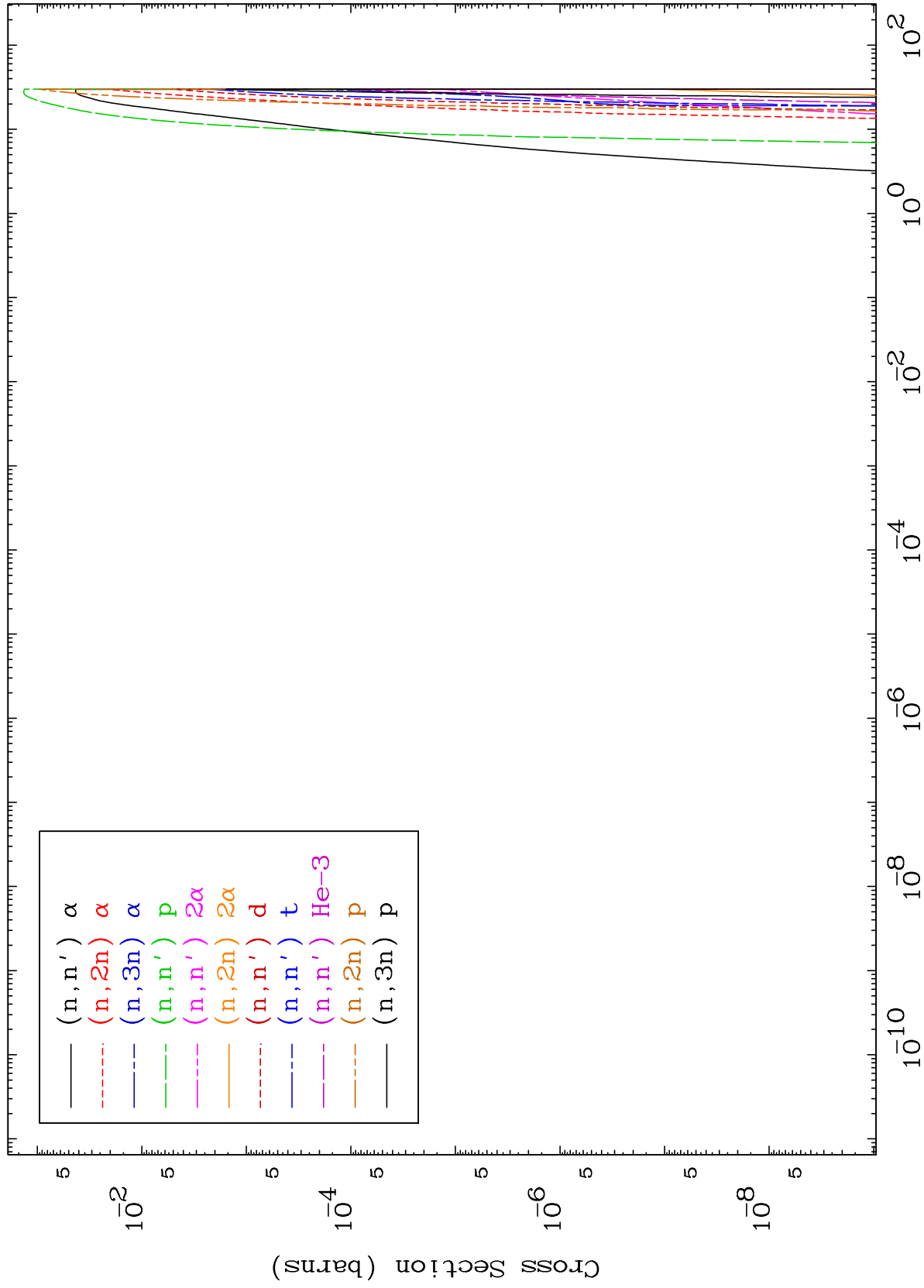
Incident Energy (MeV)

80-Hg-188

MAT 8001

Charged Particle
293 Kelvin Cross Sections

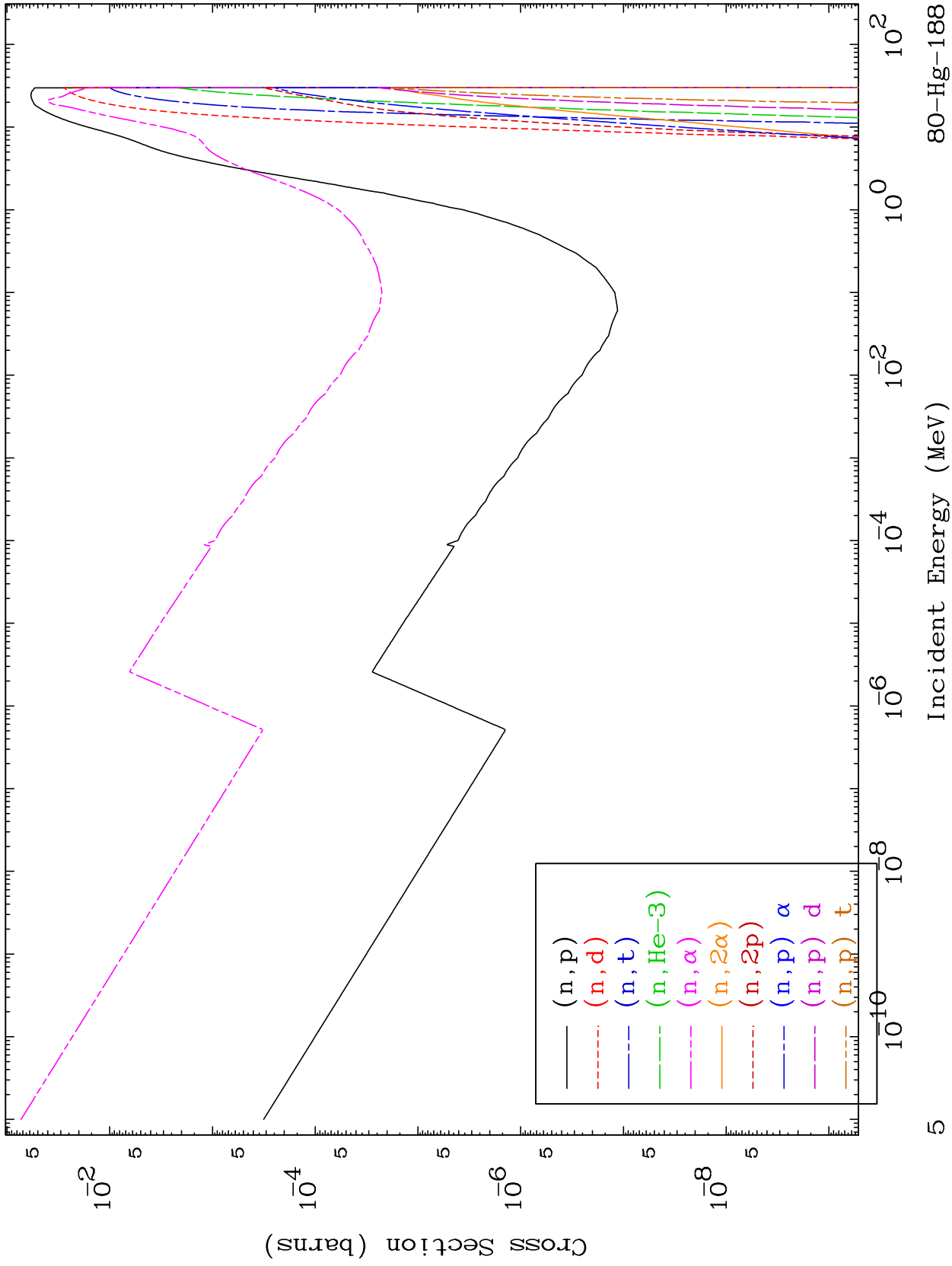
80-Hg-188



MAT 8001

293 Kelvin Cross Sections

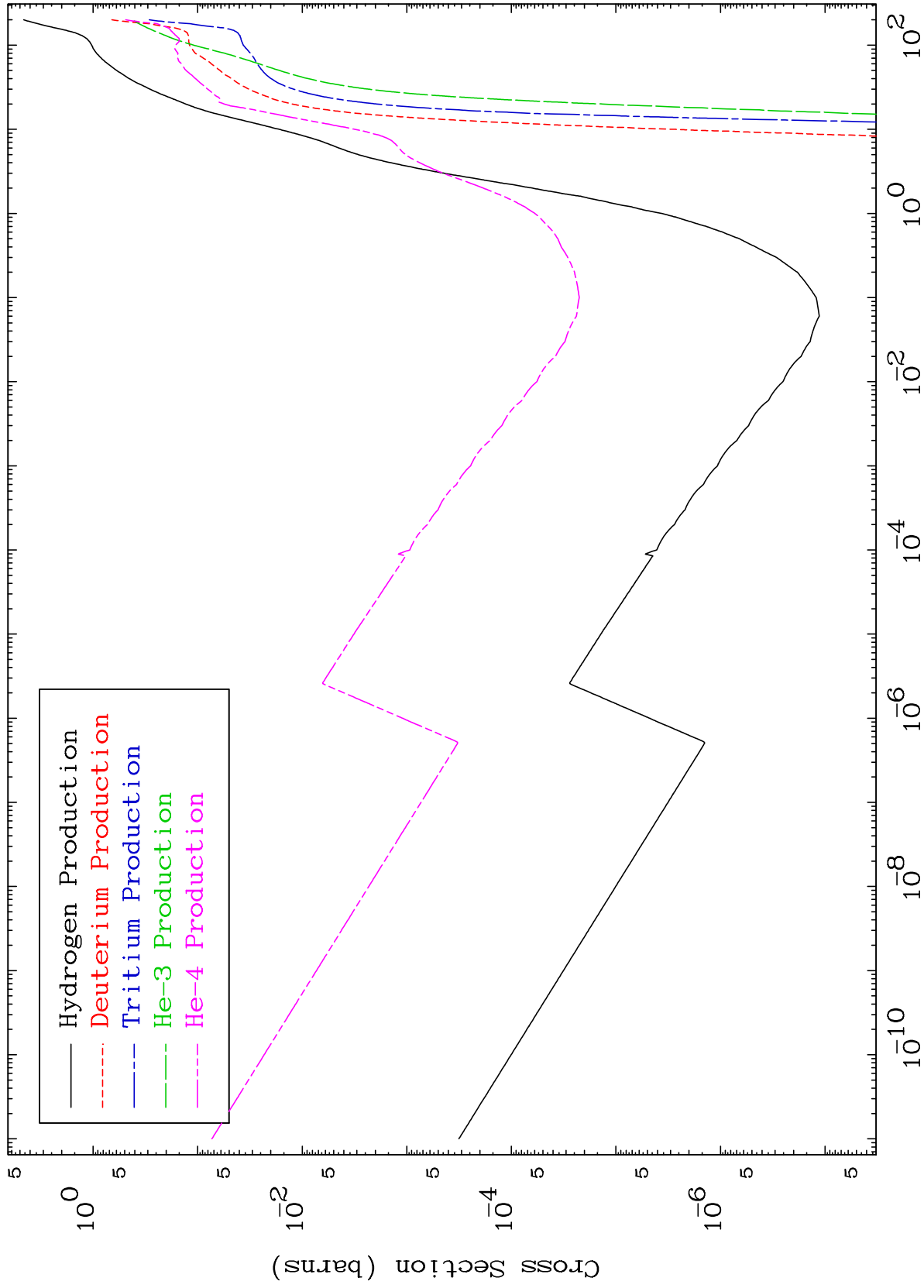
80-Hg-188



MAT 8001

Particle Production
293 Kelvin Cross Sections

80-Hg-188



6

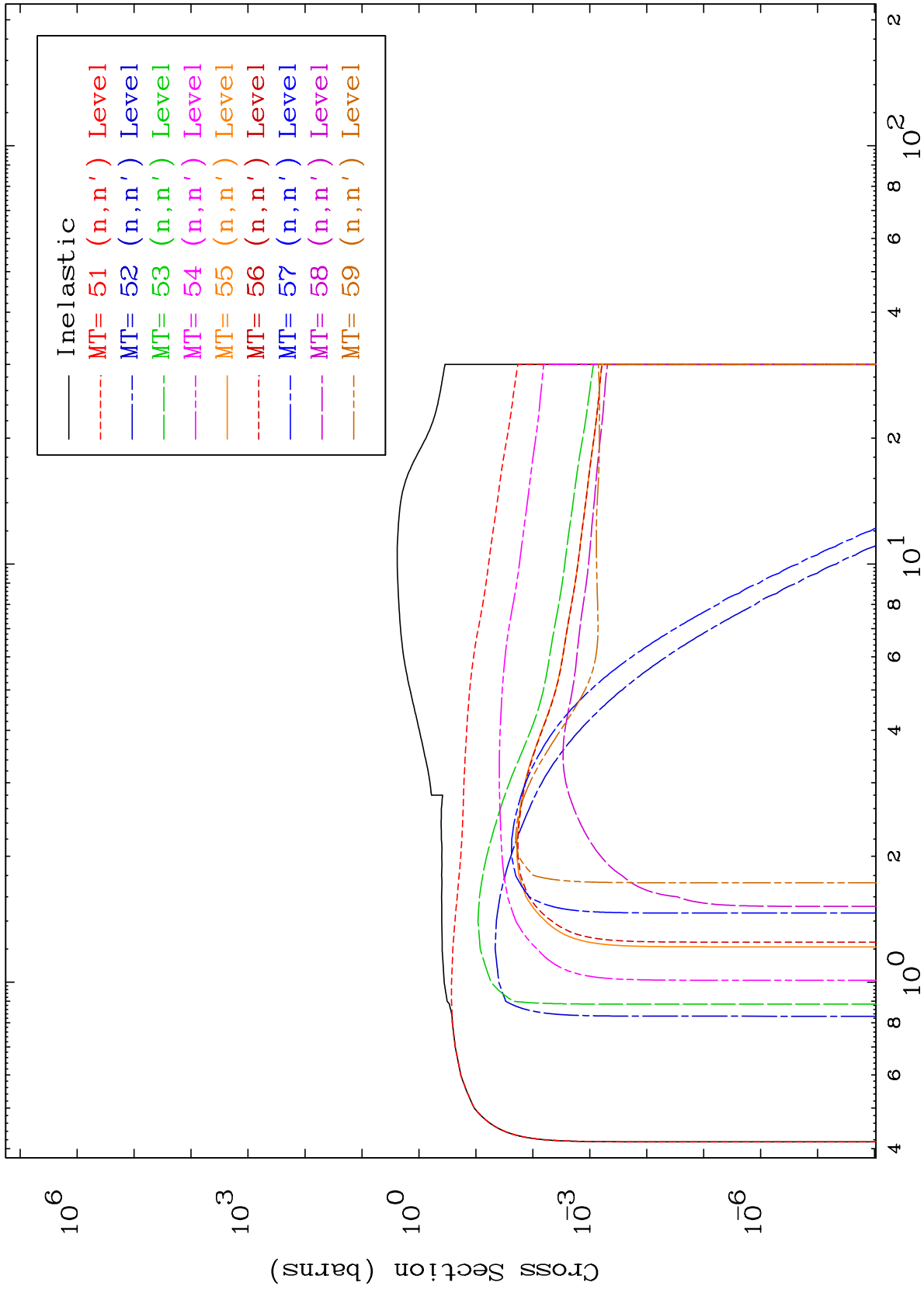
Incident Energy (MeV)

80-Hg-188

MAT 8001

(n,n') Level
293 Kelvin Cross Sections

80-Hg-188



7

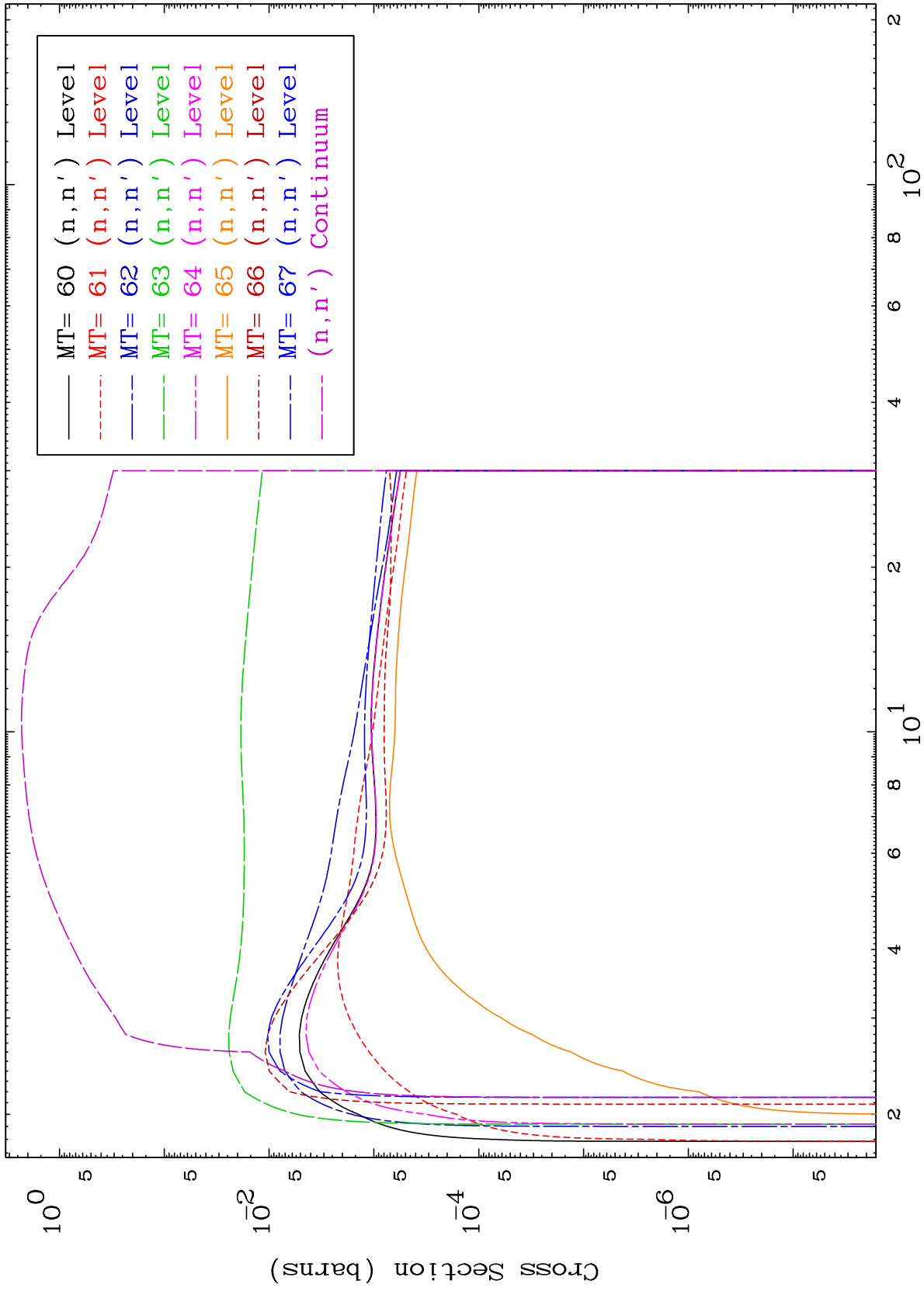
Incident Energy (MeV)

80-Hg-188

MAT 8001

(n,n') Level
293 Kelvin Cross Sections

80-Hg-188



8

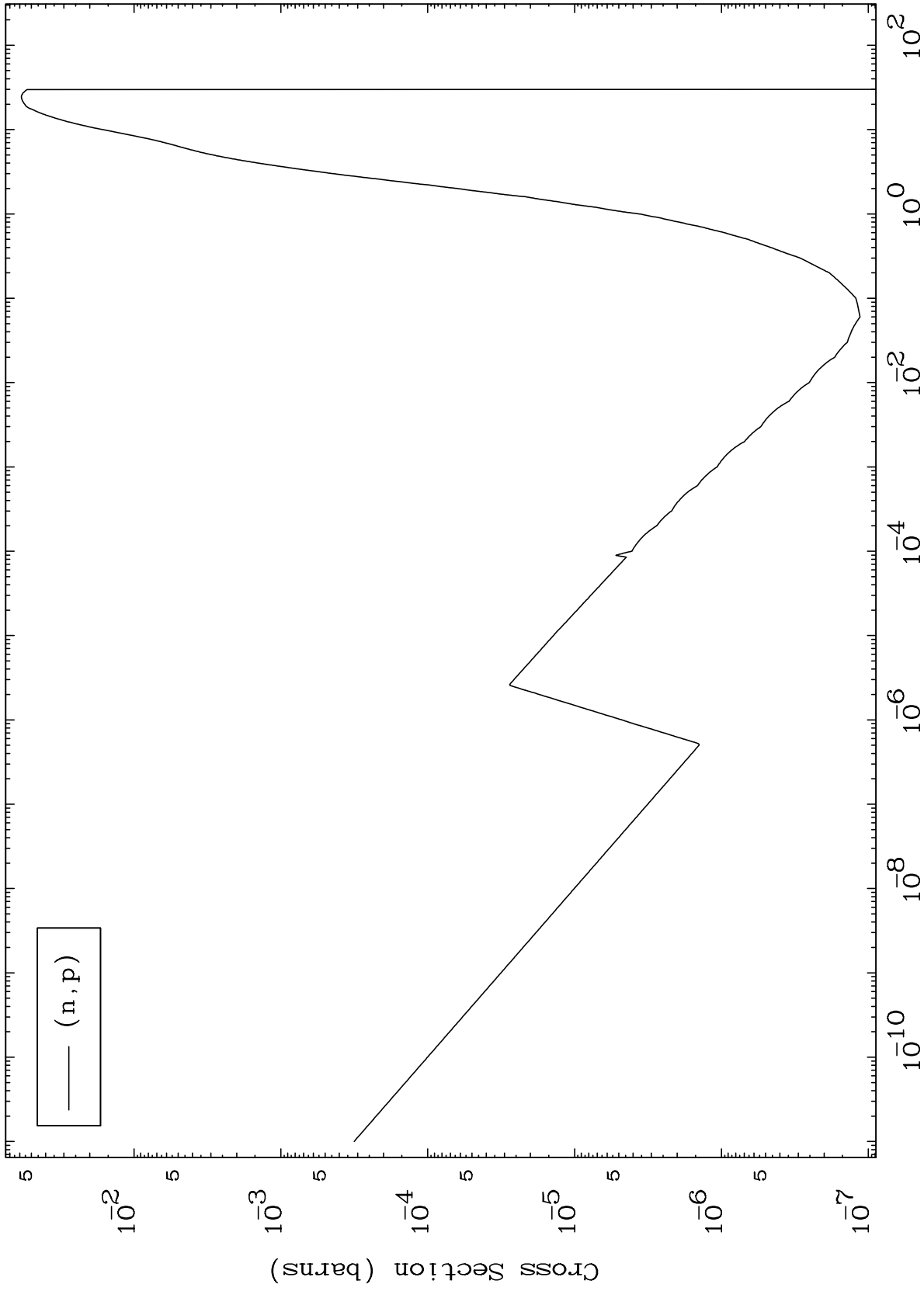
Incident Energy (MeV)

80-Hg-188

MAT 8001

(n,p) Levels
293 Kelvin Cross Sections

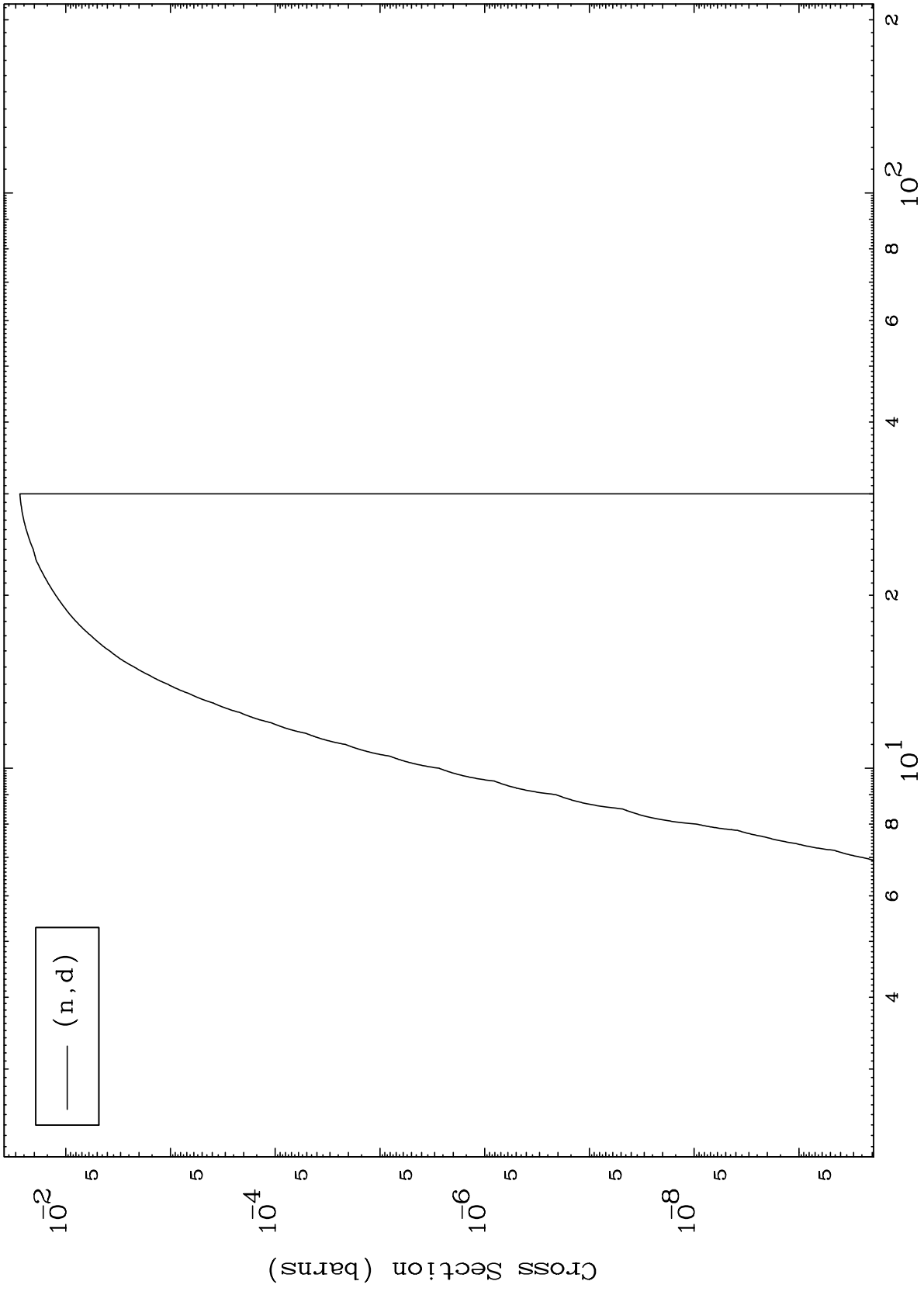
80-Hg-188



MAT 8001

(n,d) Levels
293 Kelvin Cross Sections

80-Hg-188



10

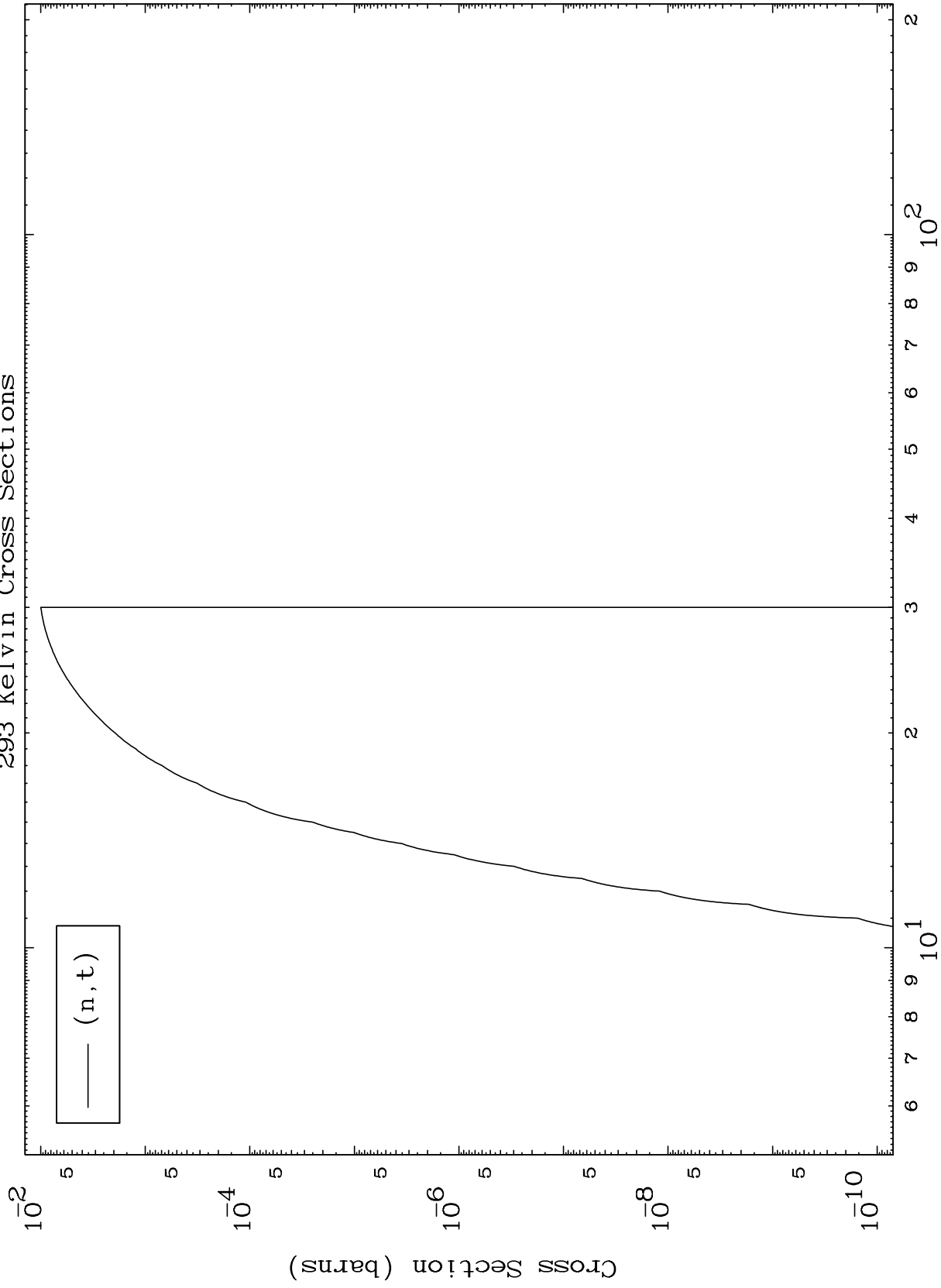
Incident Energy (MeV)

80-Hg-188

MAT 8001

(n,t) Levels
293 Kelvin Cross Sections

80-Hg-188



11

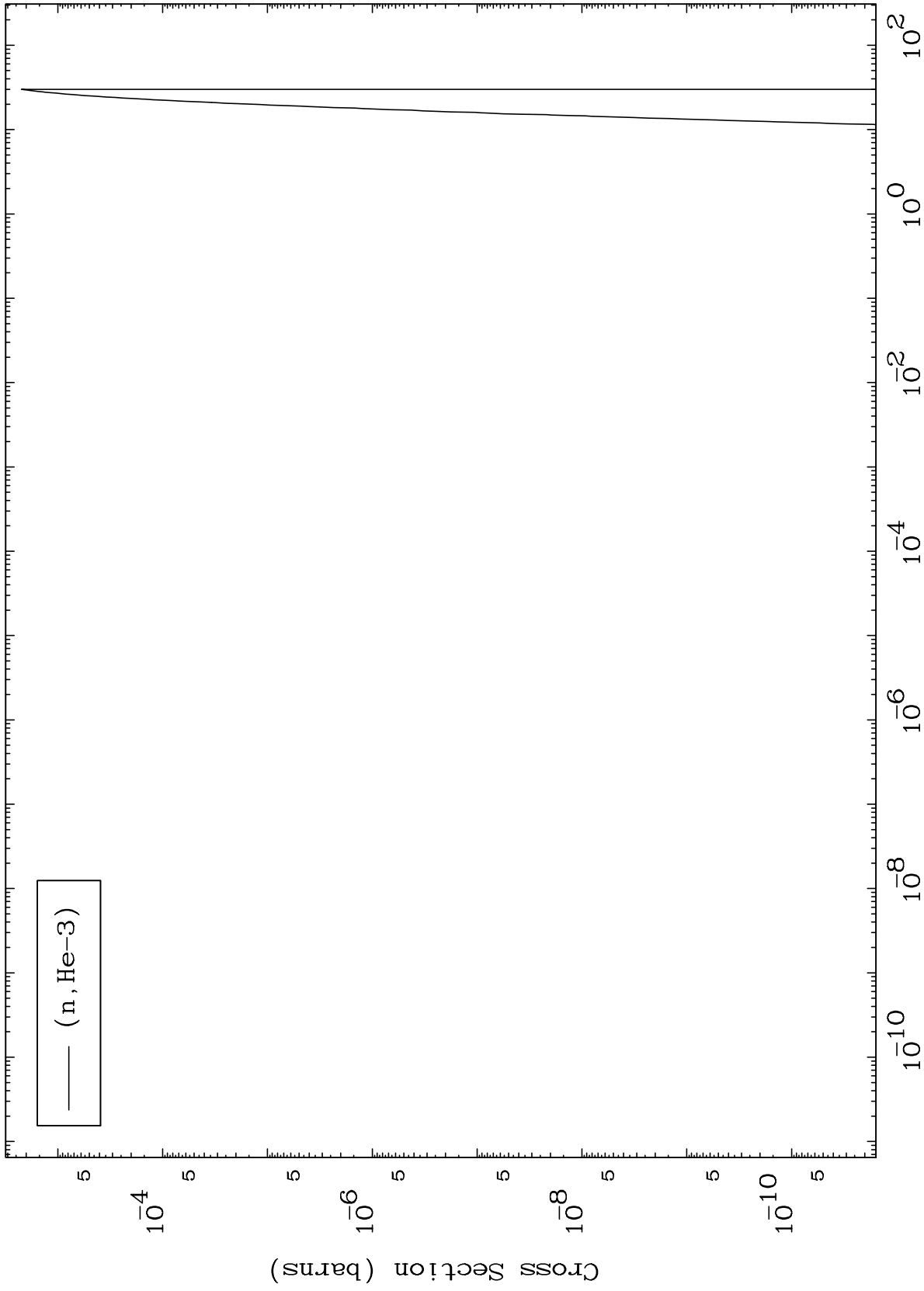
80-Hg-188

80-Hg-188

MAT 8001

(n,He3) Levels
293 Kelvin Cross Sections

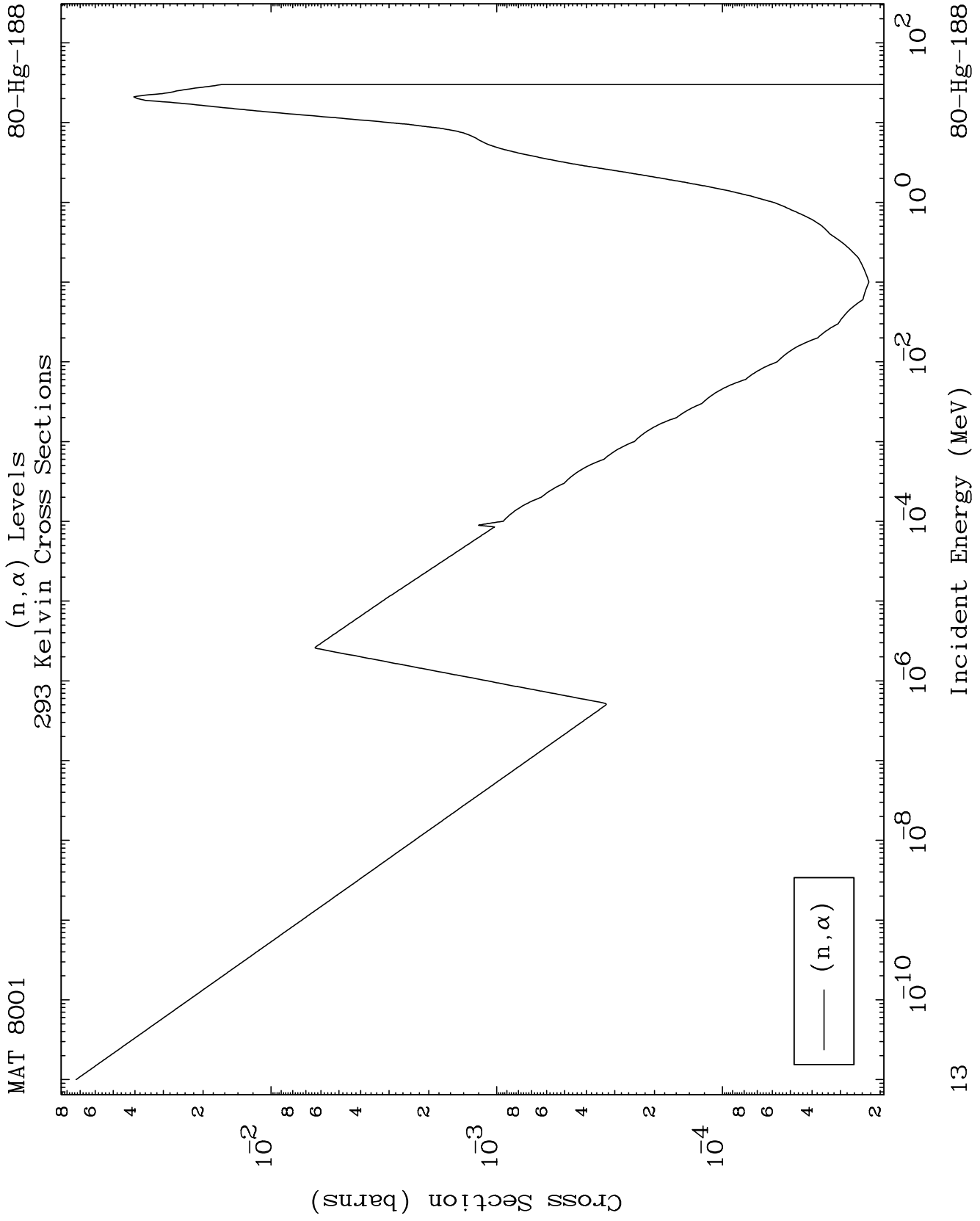
80-Hg-188

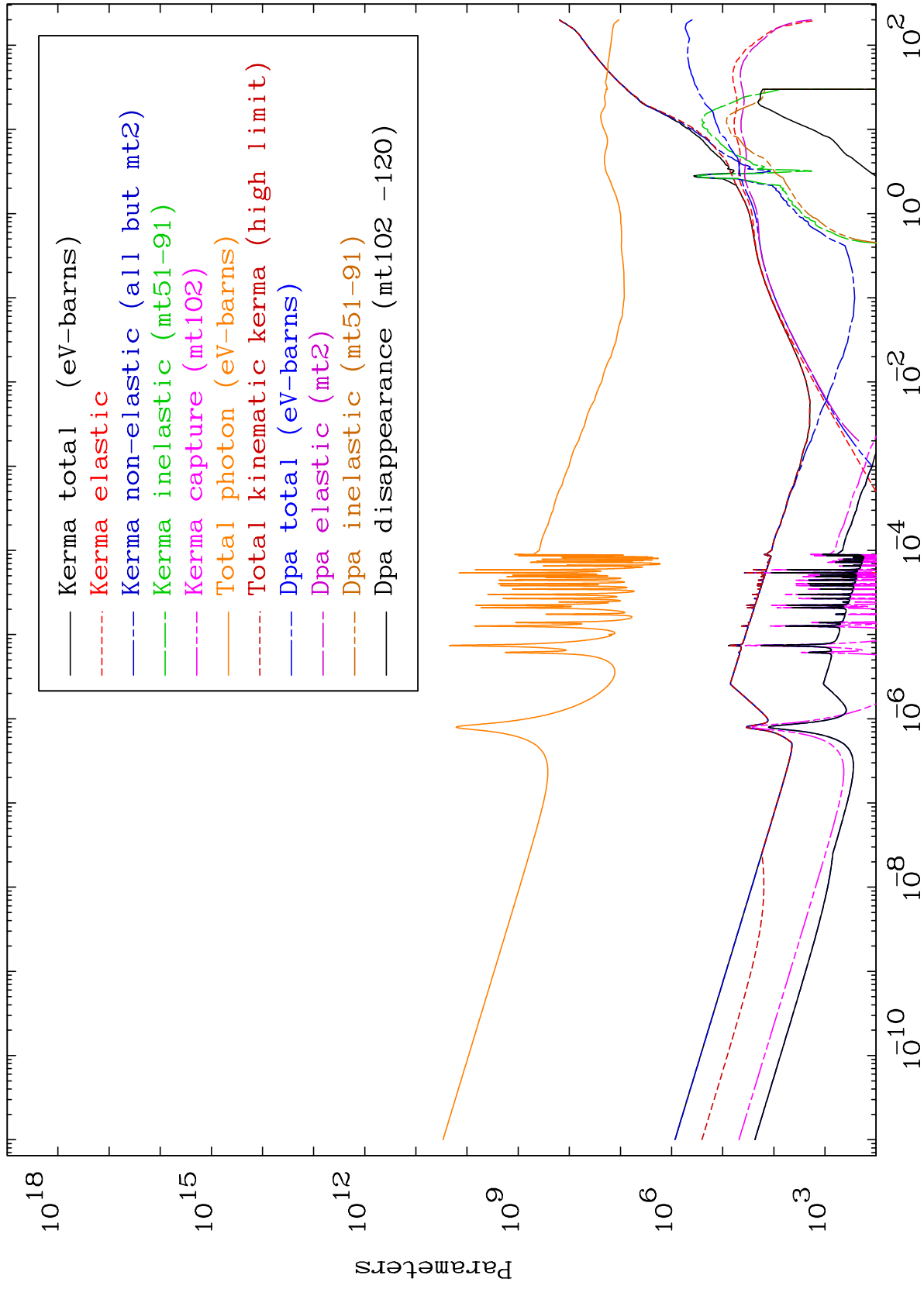


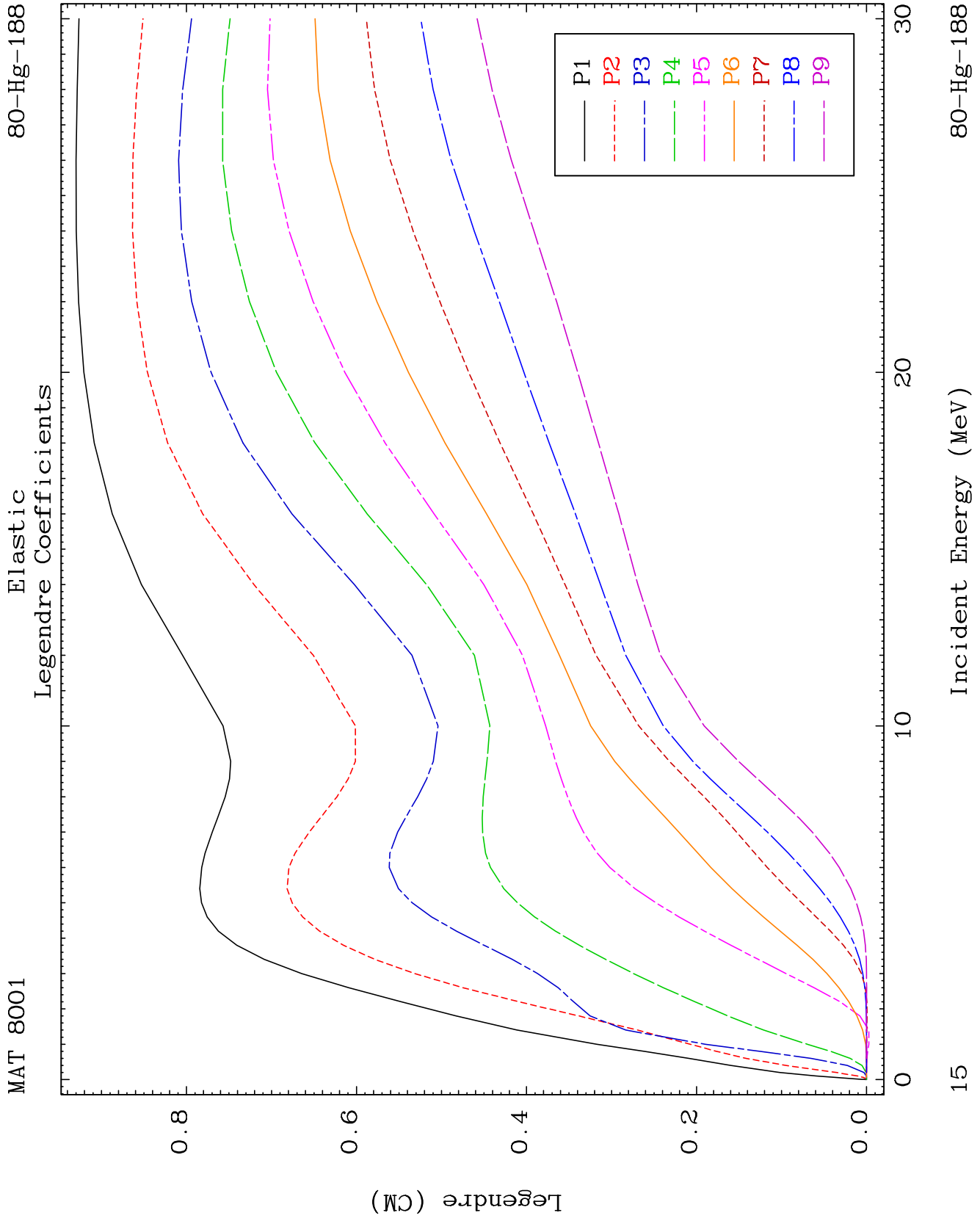
12

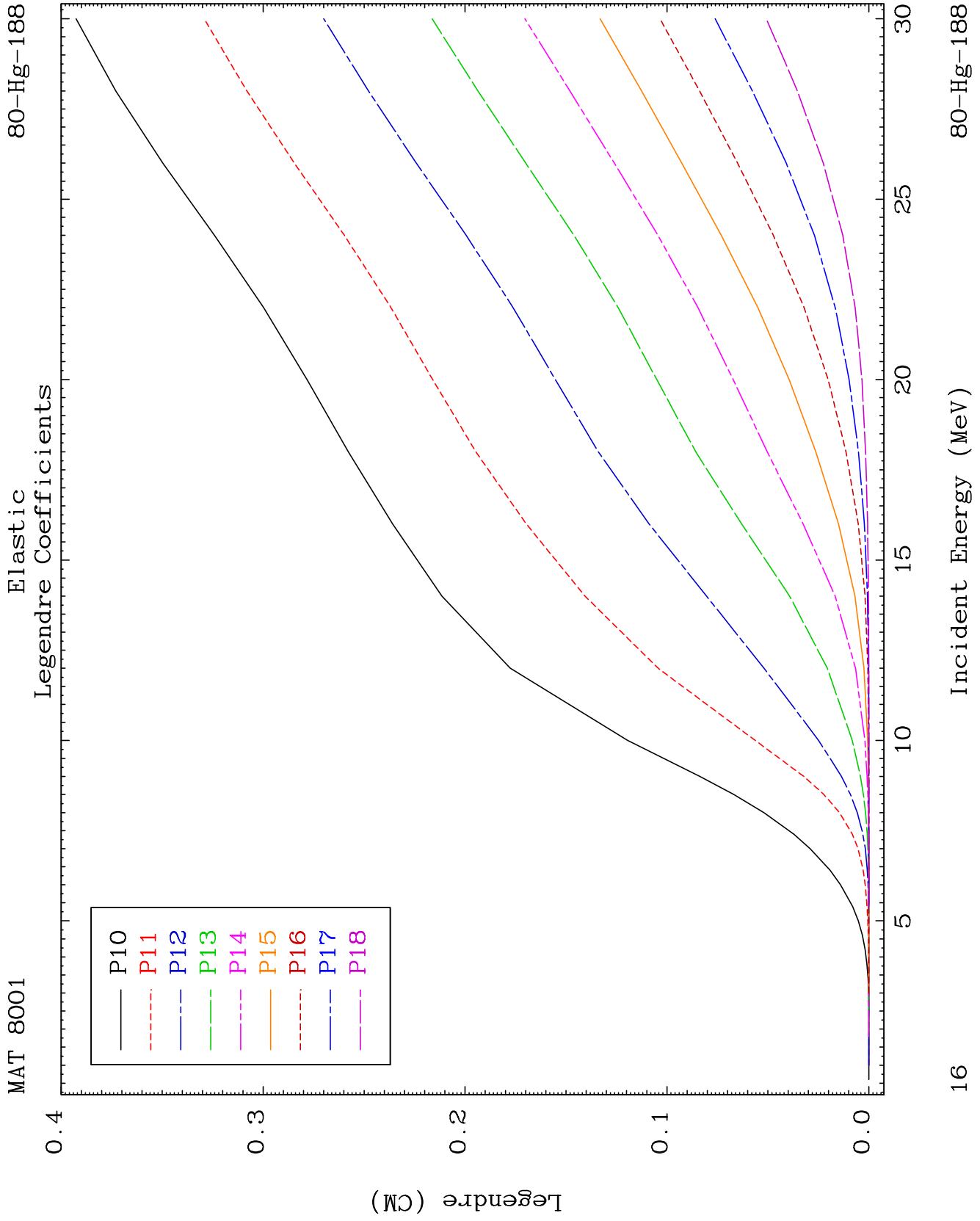
Incident Energy (MeV)

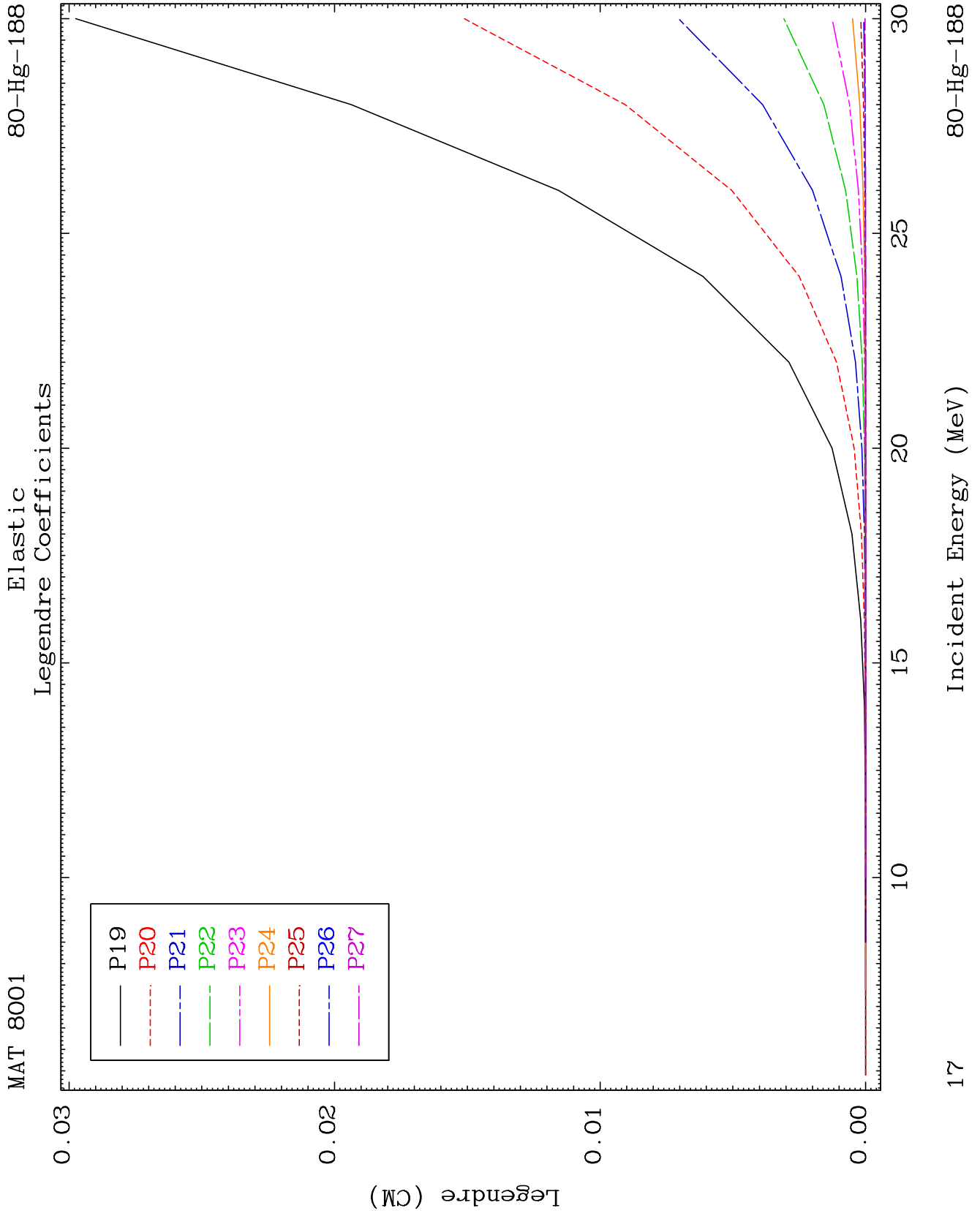
80-Hg-188







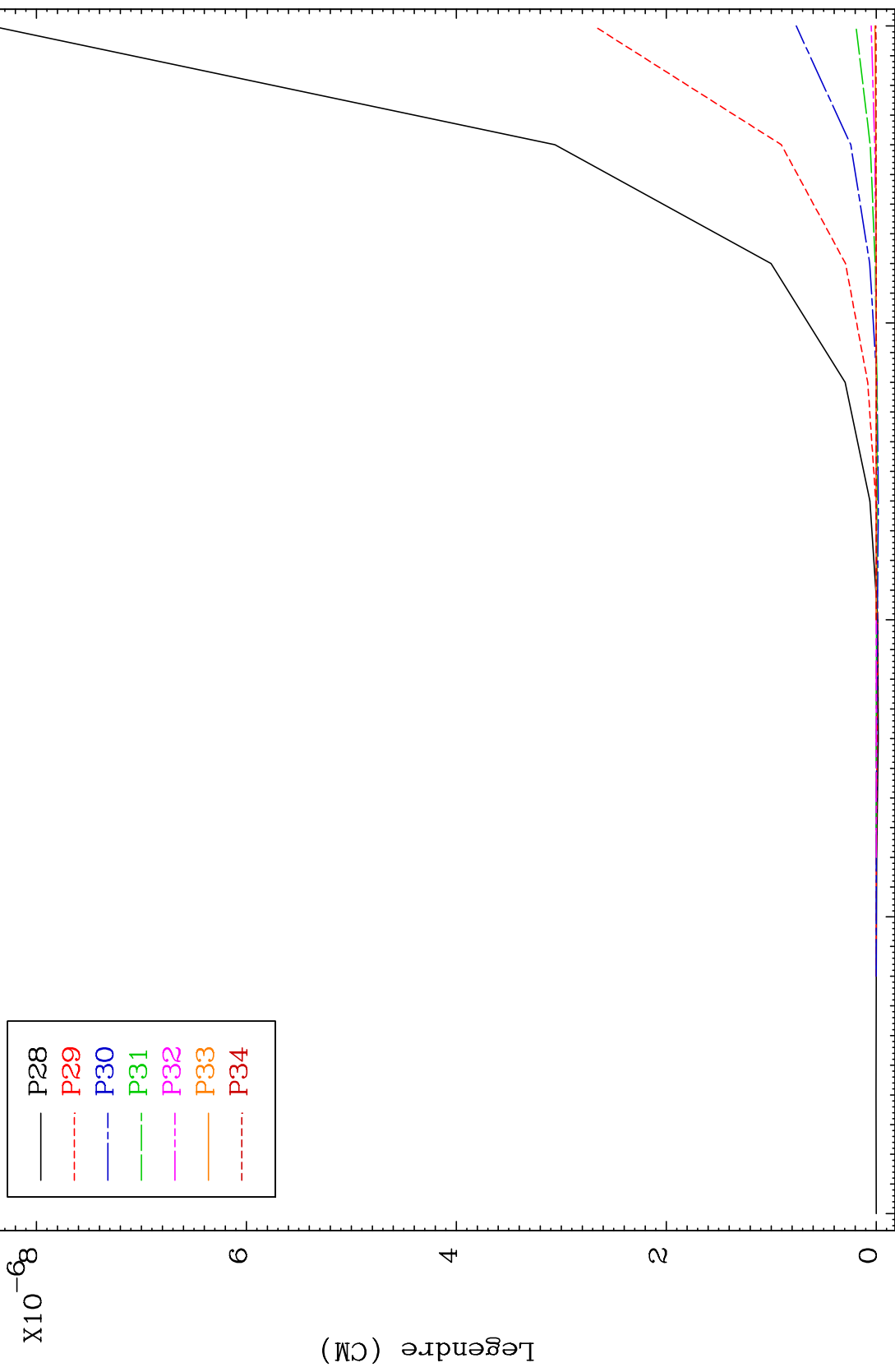
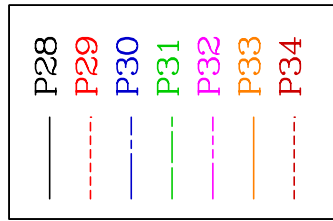




MAT 8001

Elastic Legendre Coefficients

80-Hg-188



10

15

20

25

30

Incident Energy (MeV)

80-Hg-188

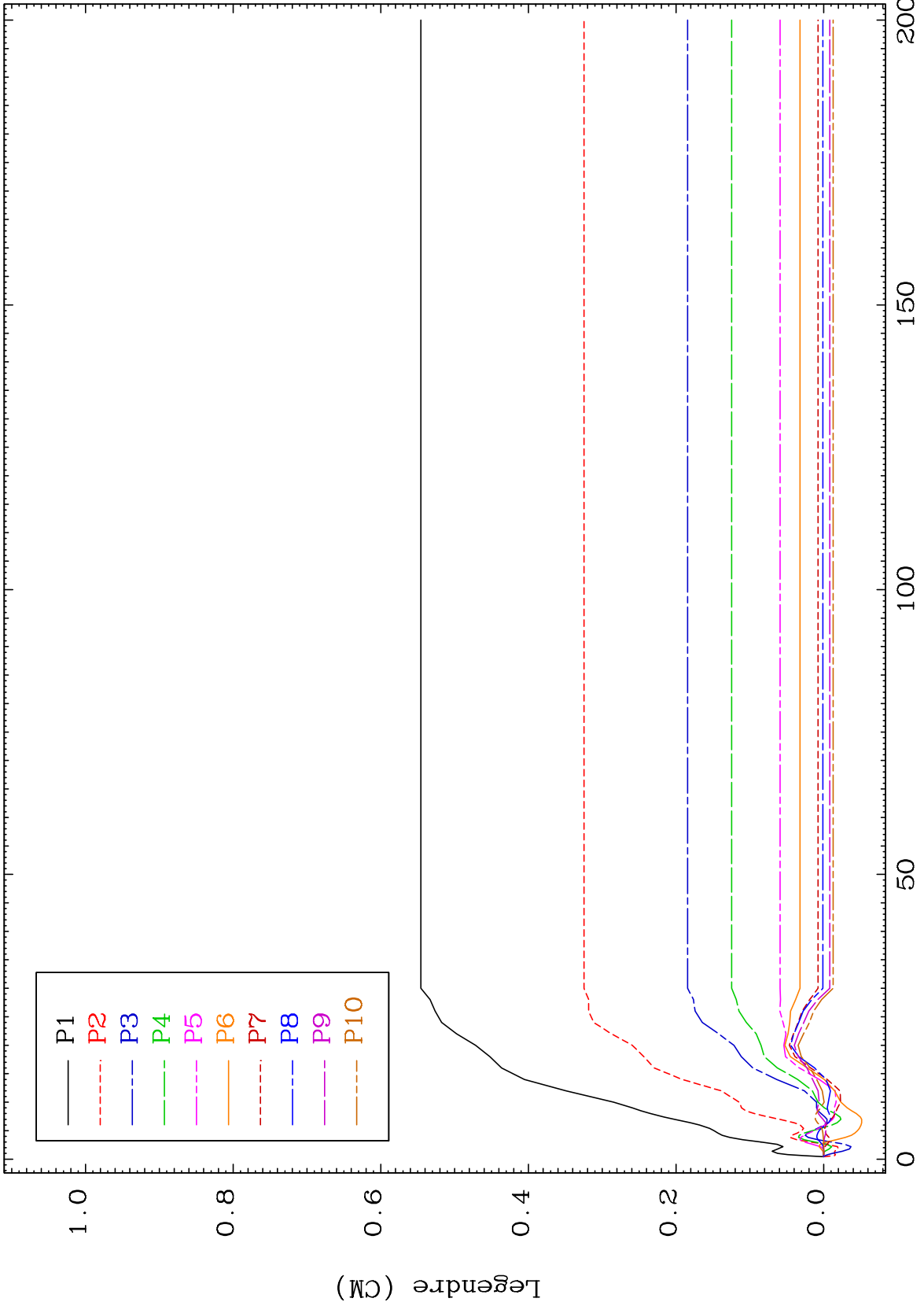
Legendre (CM)

$\times 10^{-68}$

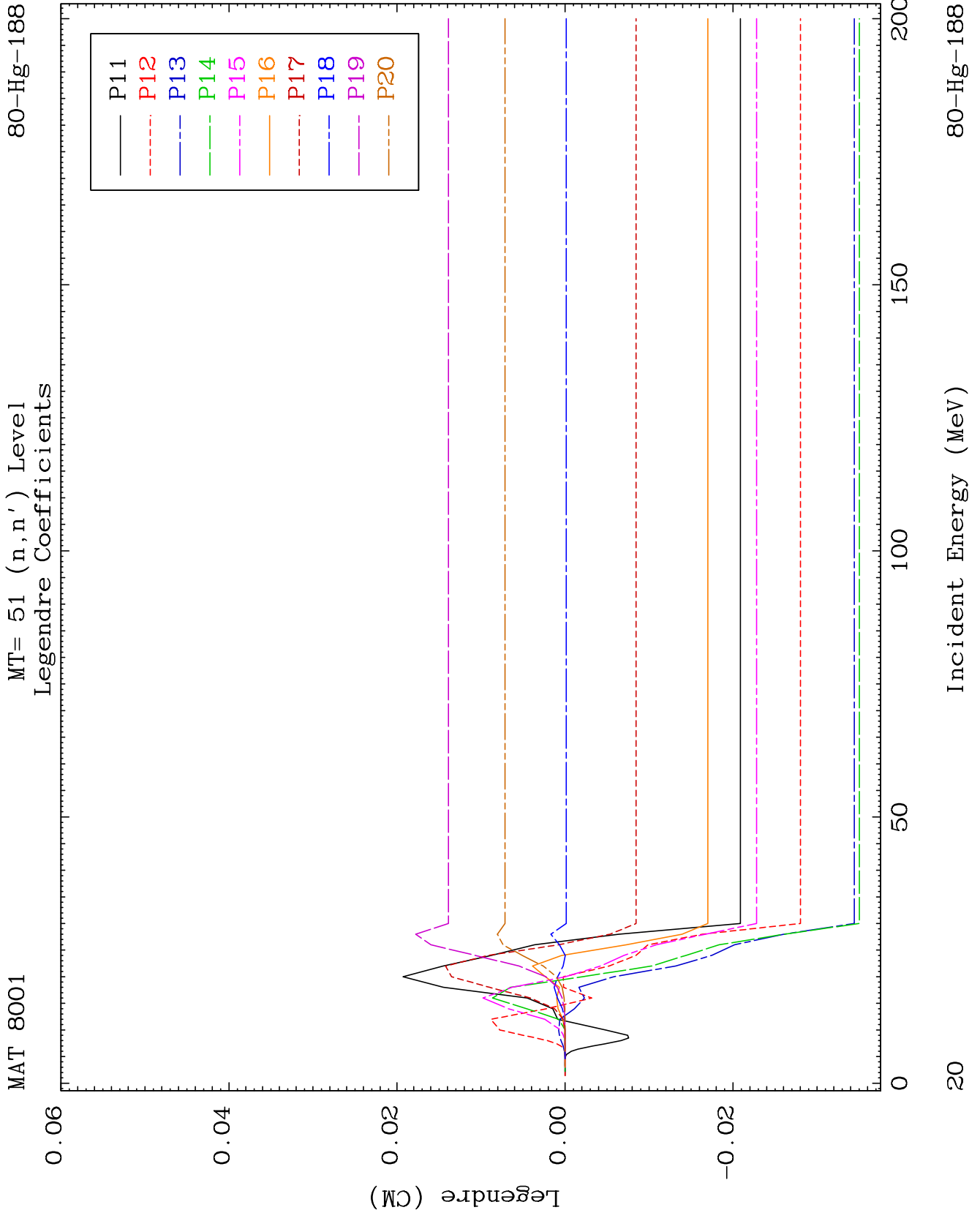
MAT 8001 MT= 51 (n,n') Level Legendre Coefficients

80-Hg-188

80-Hg-188



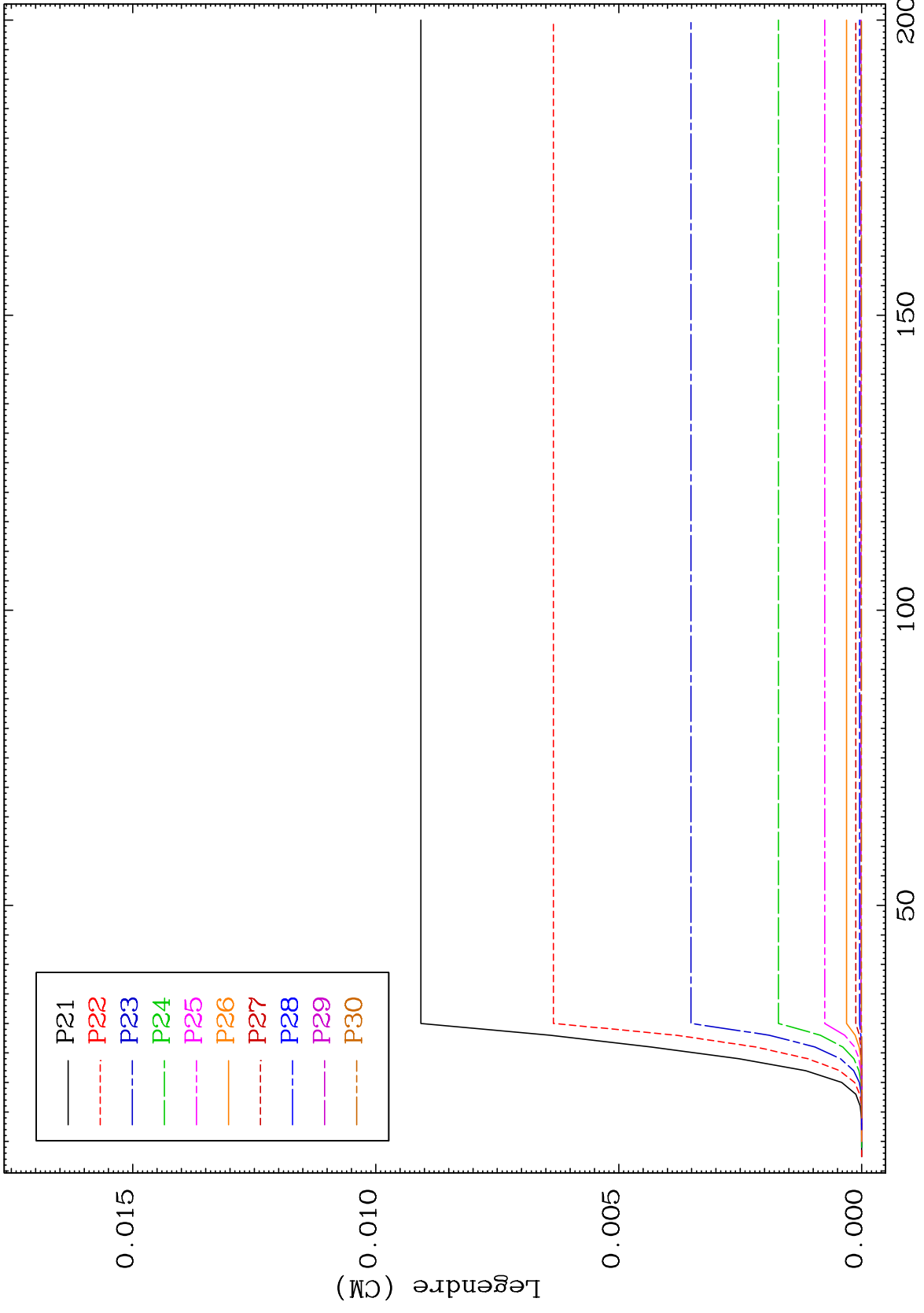
19



MAT 8001

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

80-Hg-188

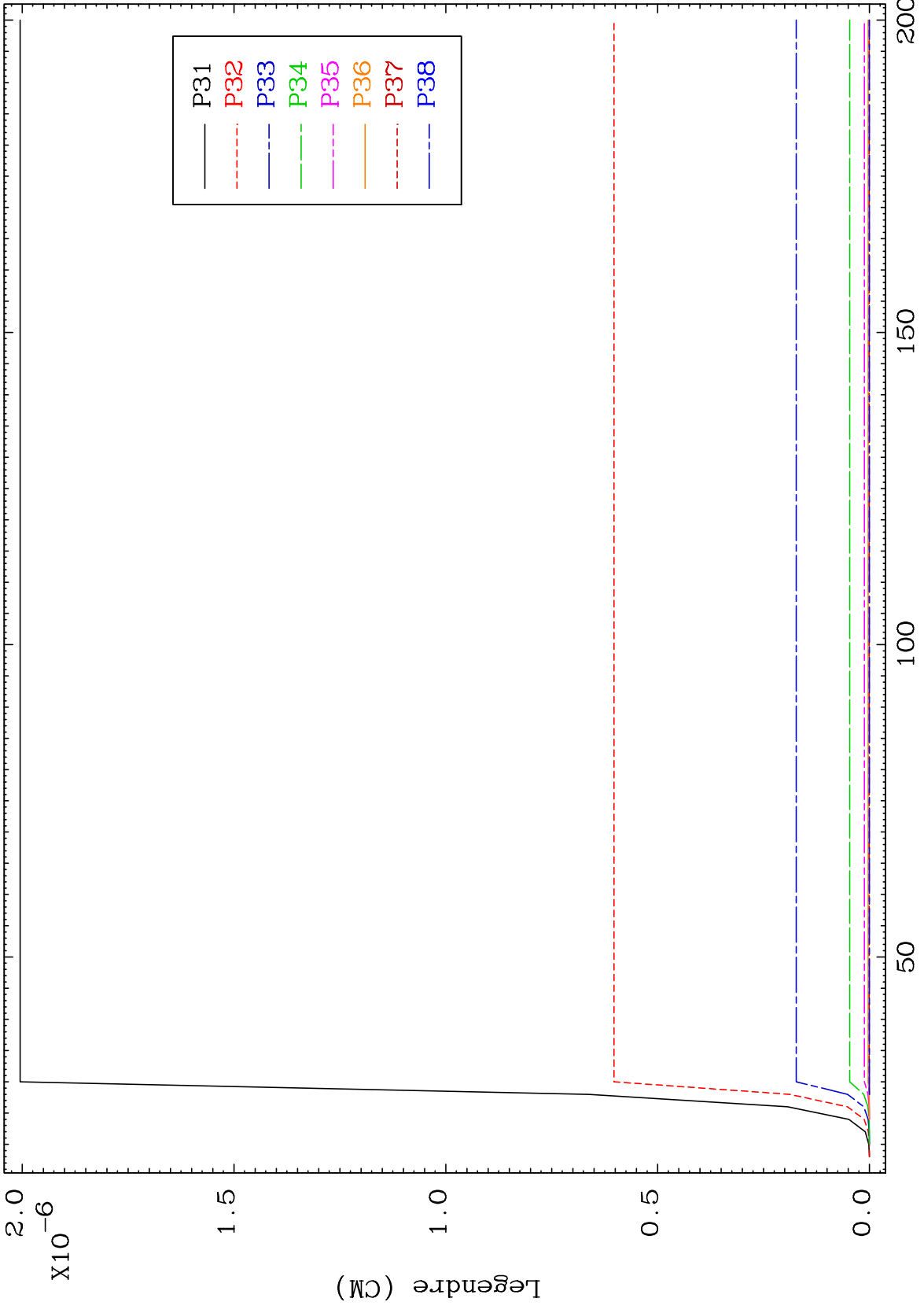


80-Hg-188

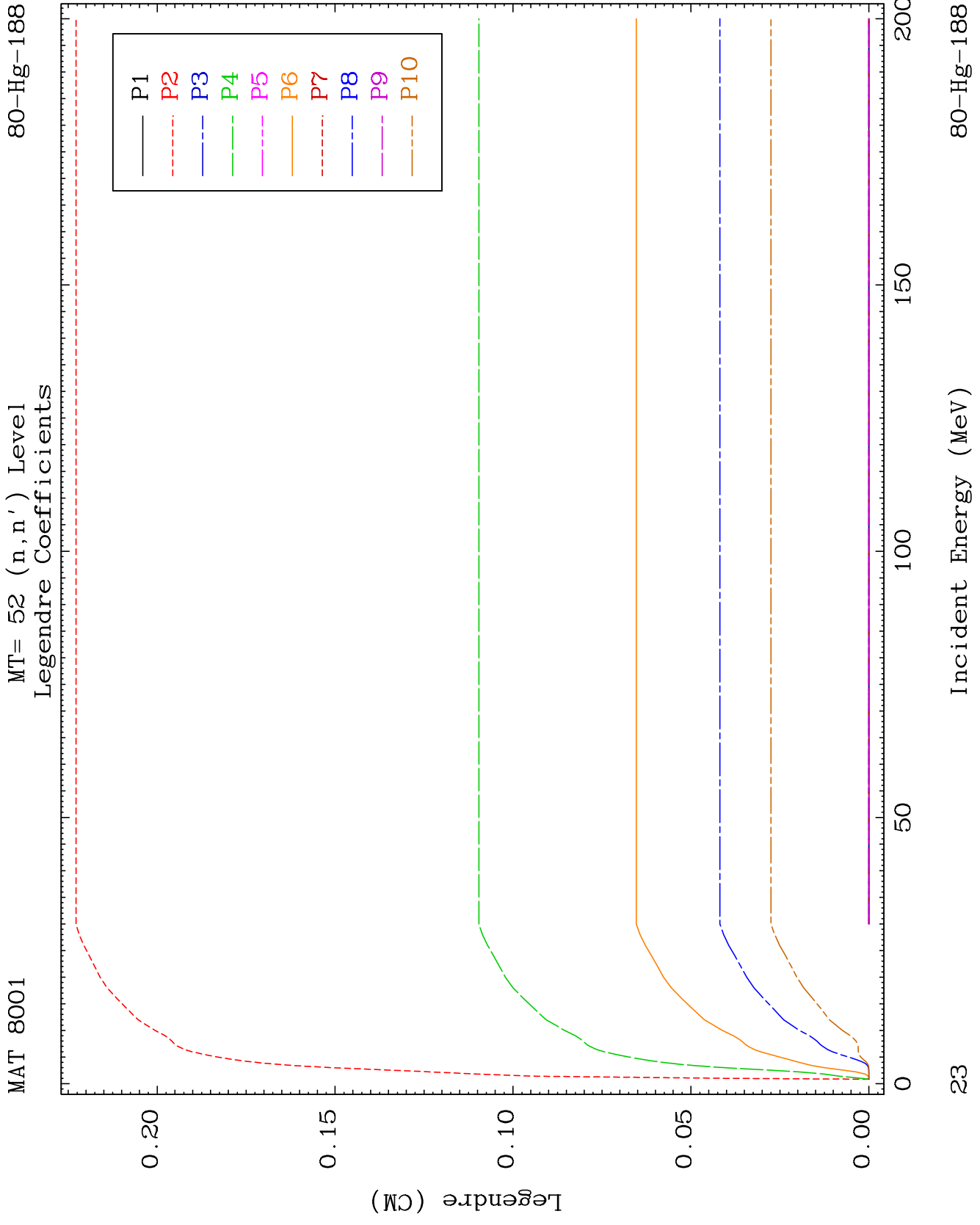
Incident Energy (MeV)

21

MAT 8001 MT= 51 (n,n') Level Legendre Coefficients 80-Hg-188



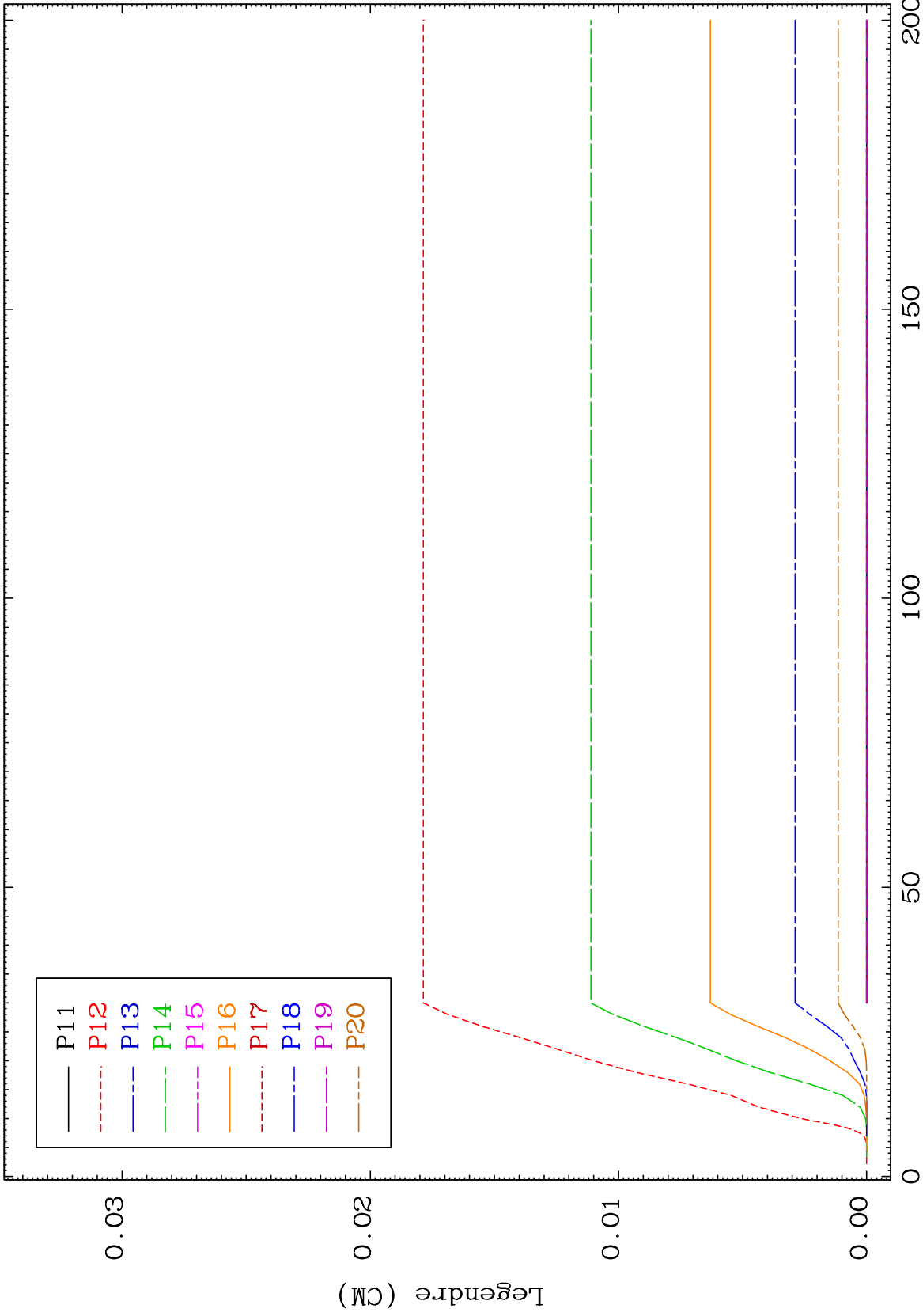
22 80-Hg-188



MAT 8001

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

80-Hg-188

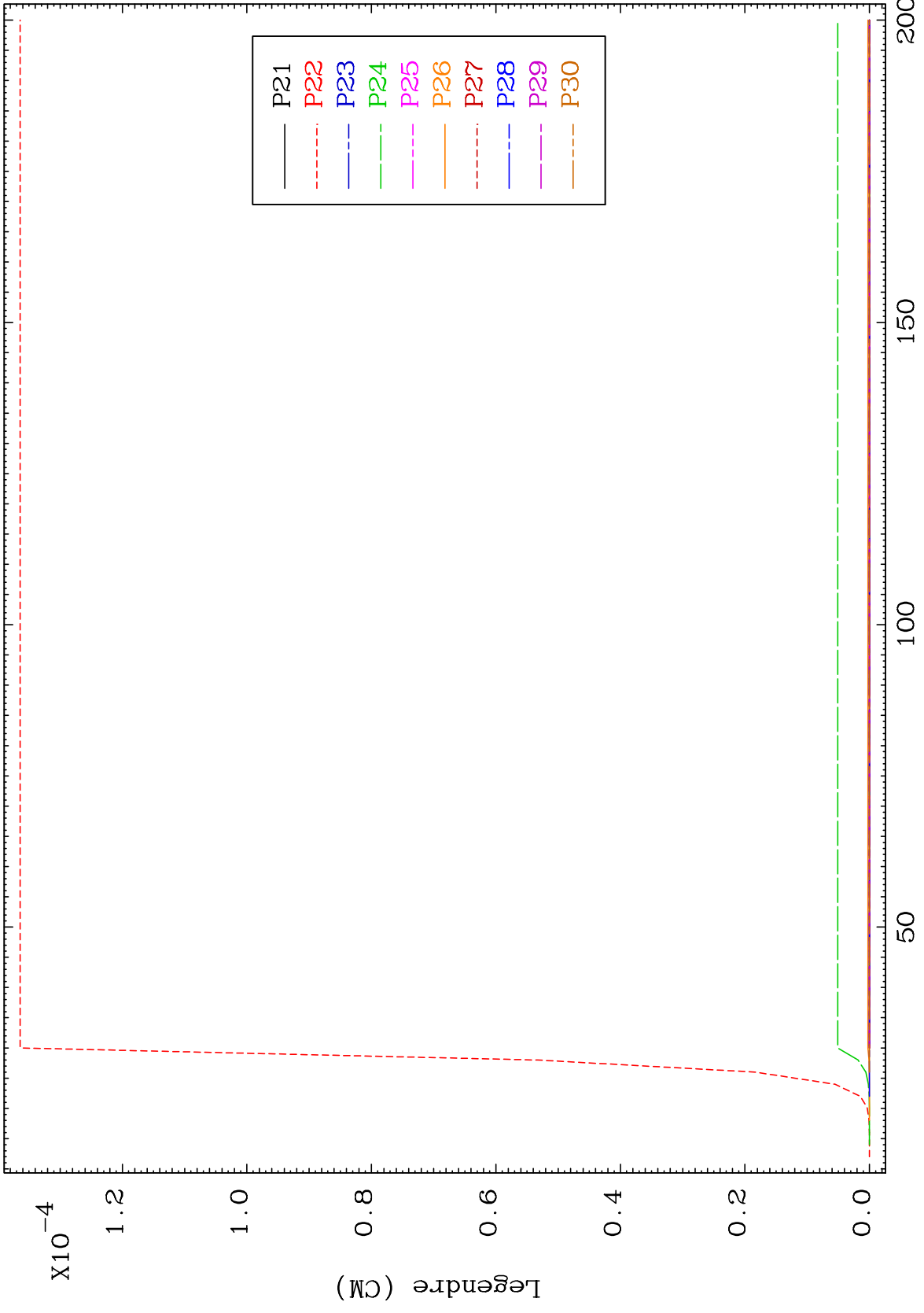


24

Incident Energy (MeV)

80-Hg-188

MAT 8001 MT= 52 (n,n') Level Legendre Coefficients 80-Hg-188

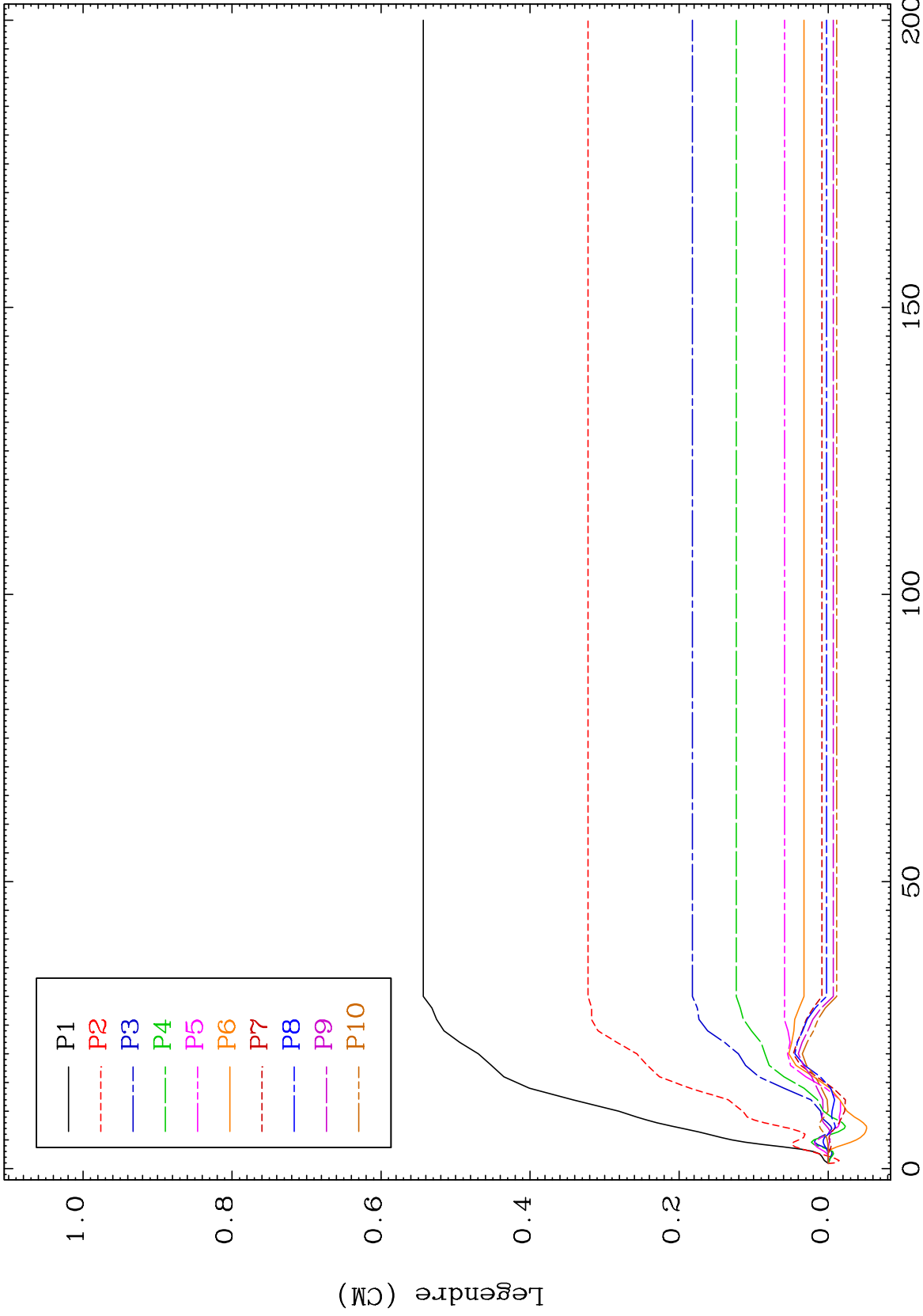


80-Hg-188

MAT 8001

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

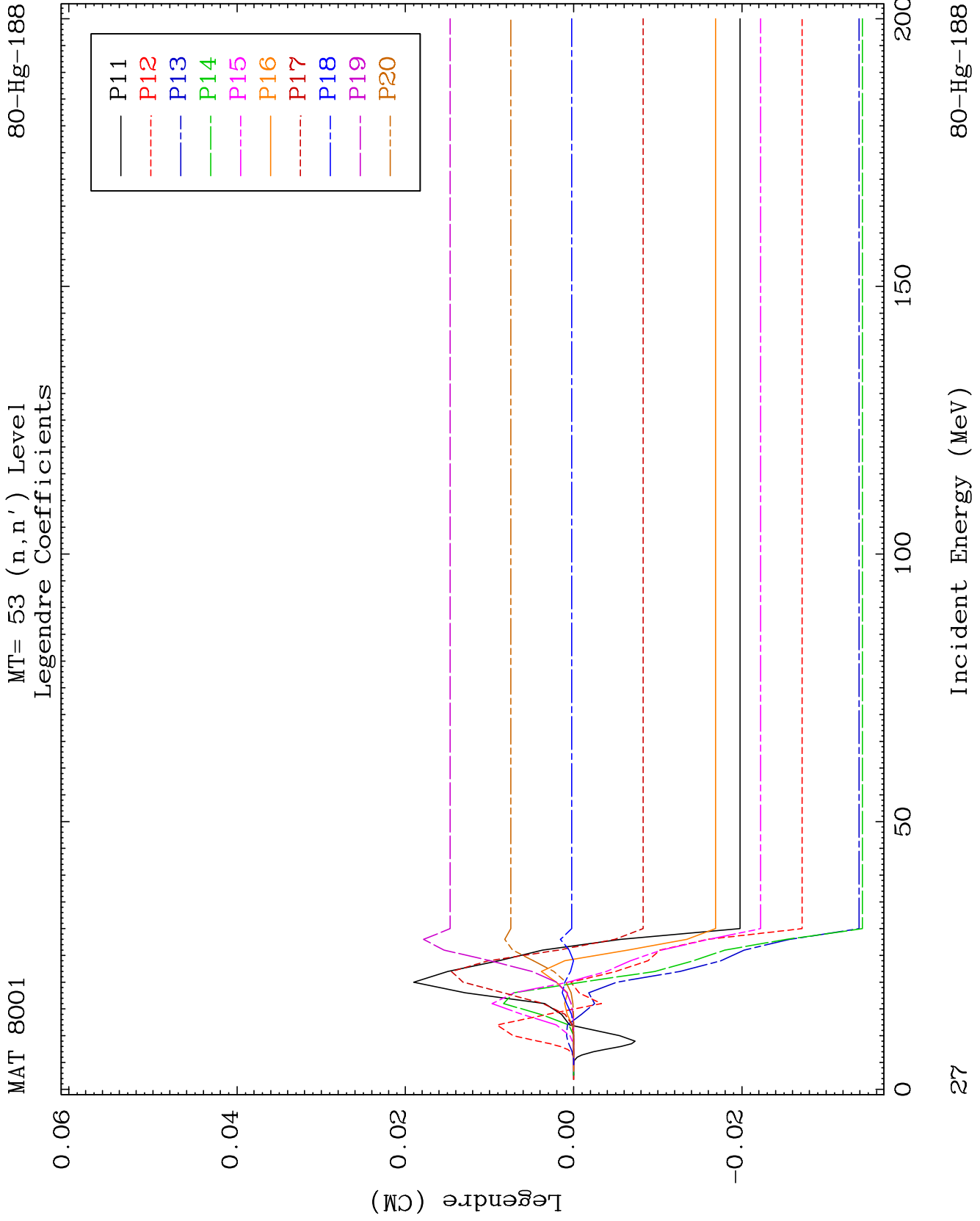
80-Hg-188



26

Incident Energy (MeV)

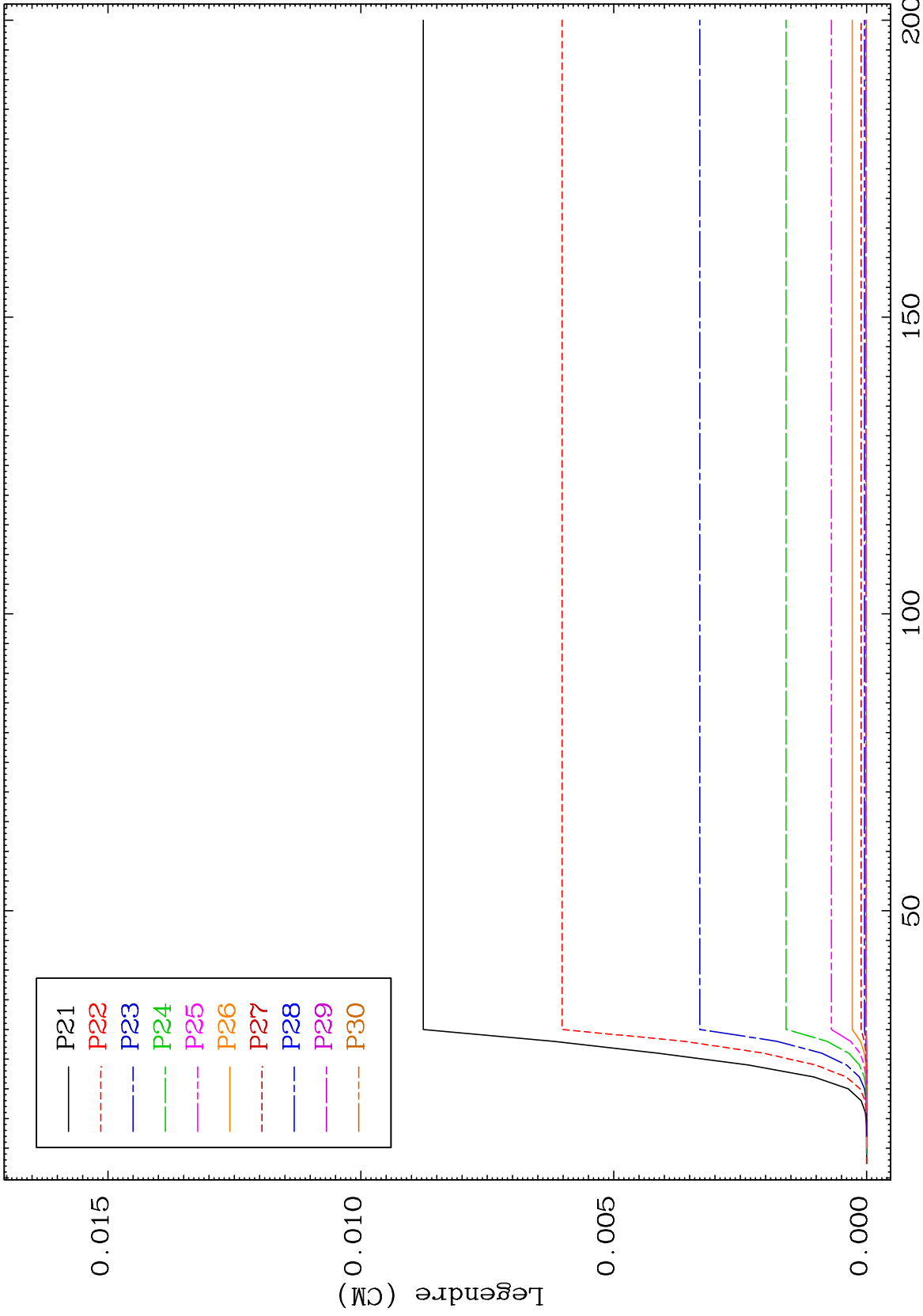
80-Hg-188



MAT 8001

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

80-Hg-188



28

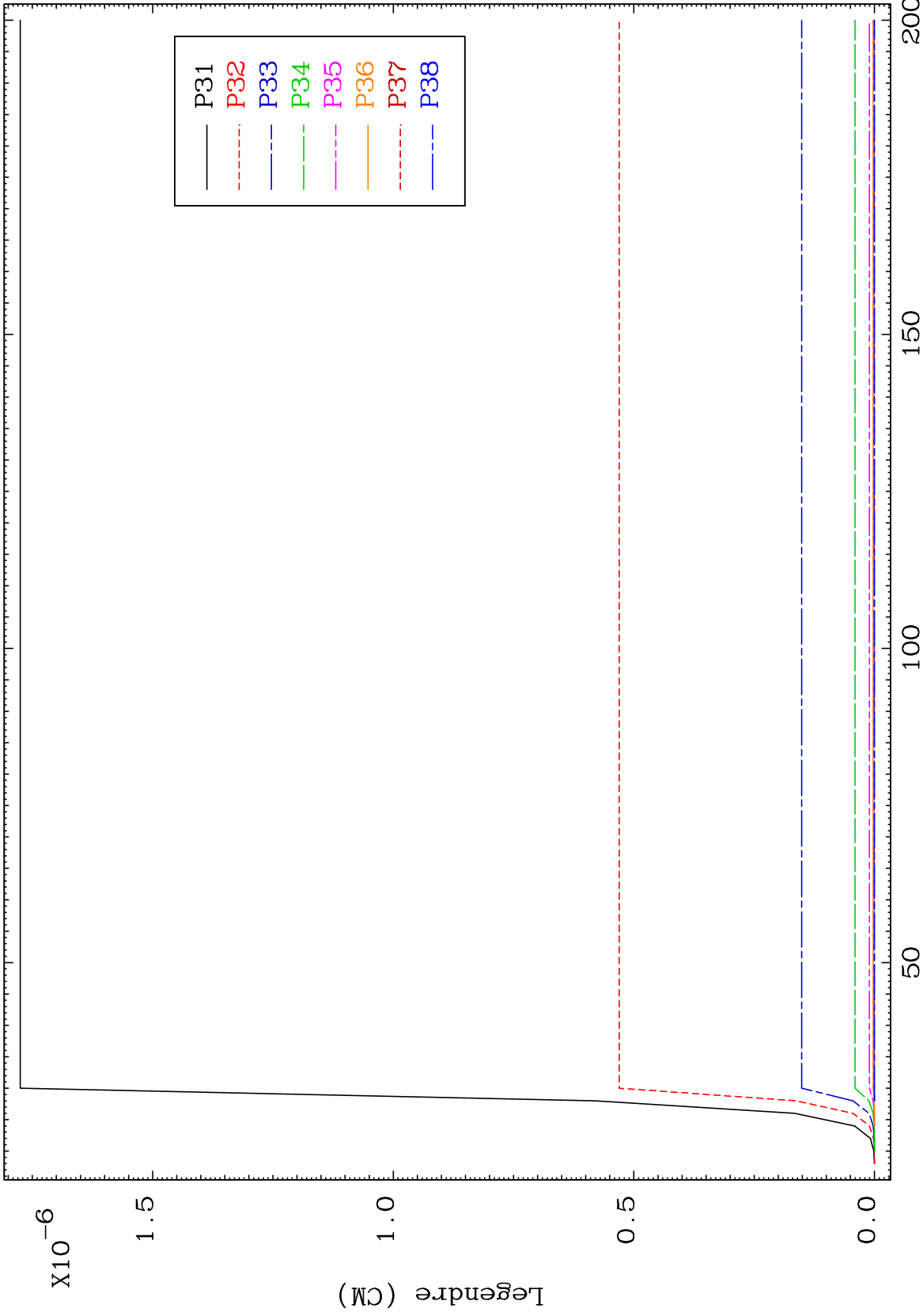
Incident Energy (MeV)

80-Hg-188

MAT 8001

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

80-Hg-188

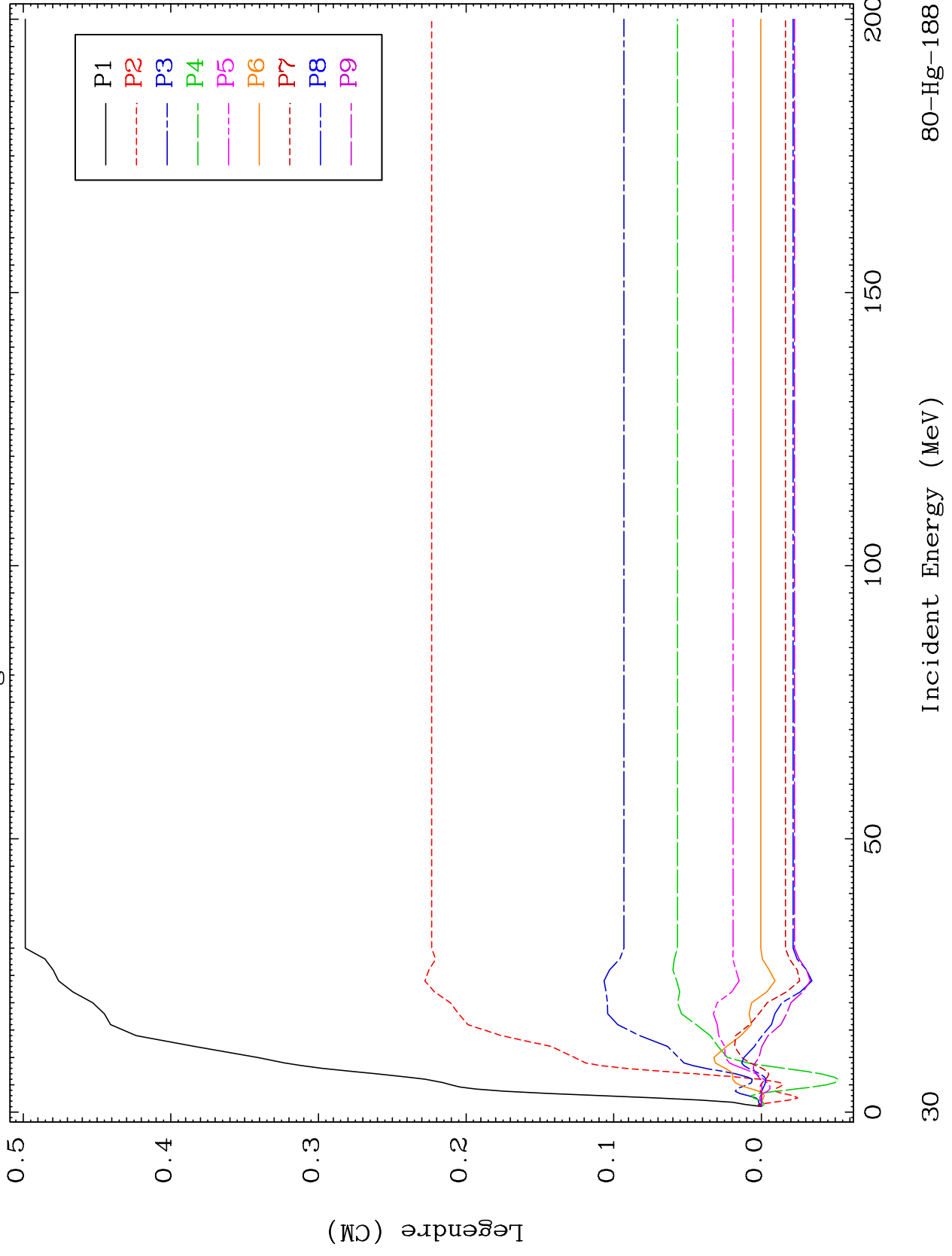


29

Incident Energy (MeV)

80-Hg-188

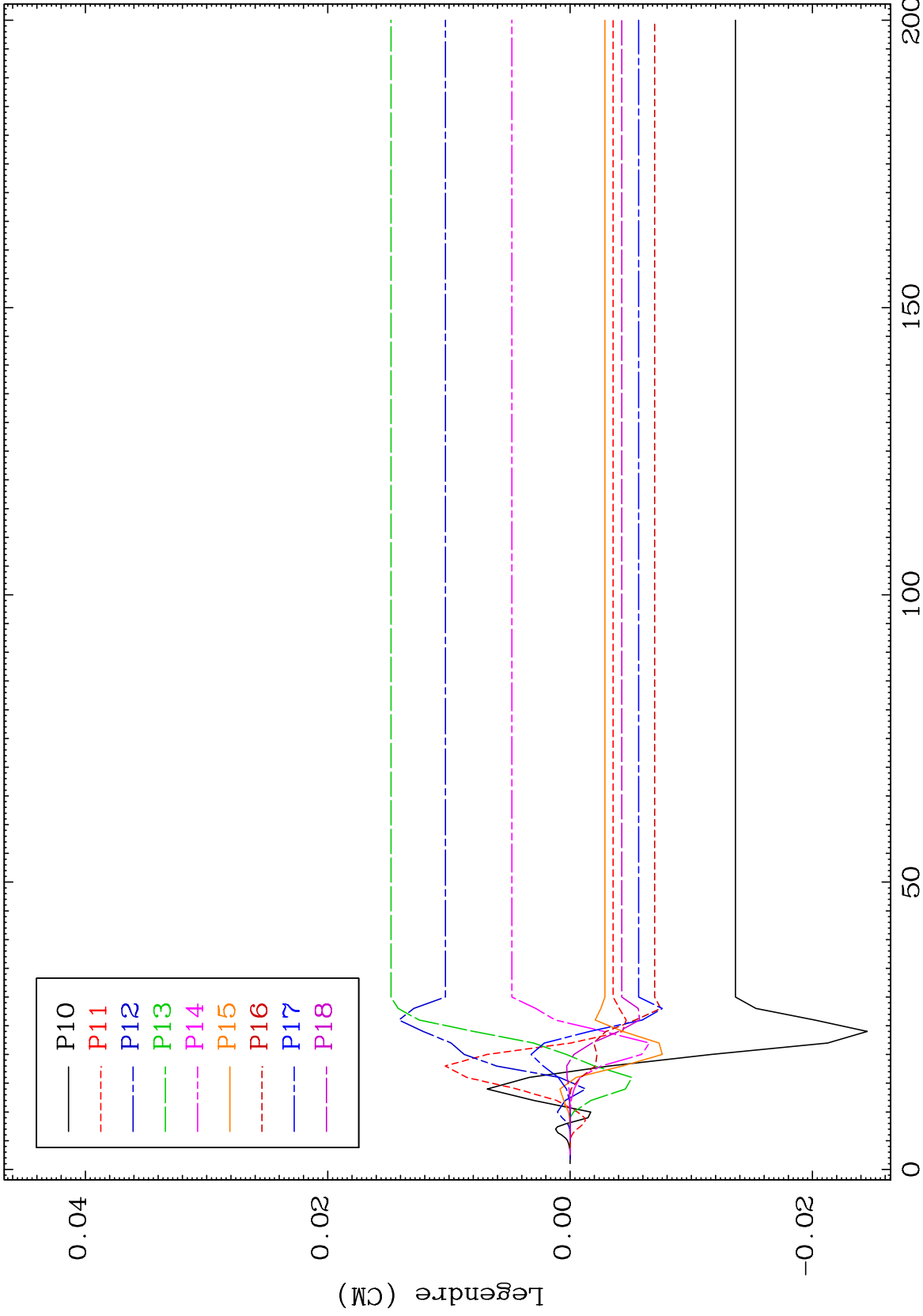
MAT 8001 MT= 54 (n,n') Level Legendre Coefficients 80-Hg-188



MAT 8001

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

80-Hg-188

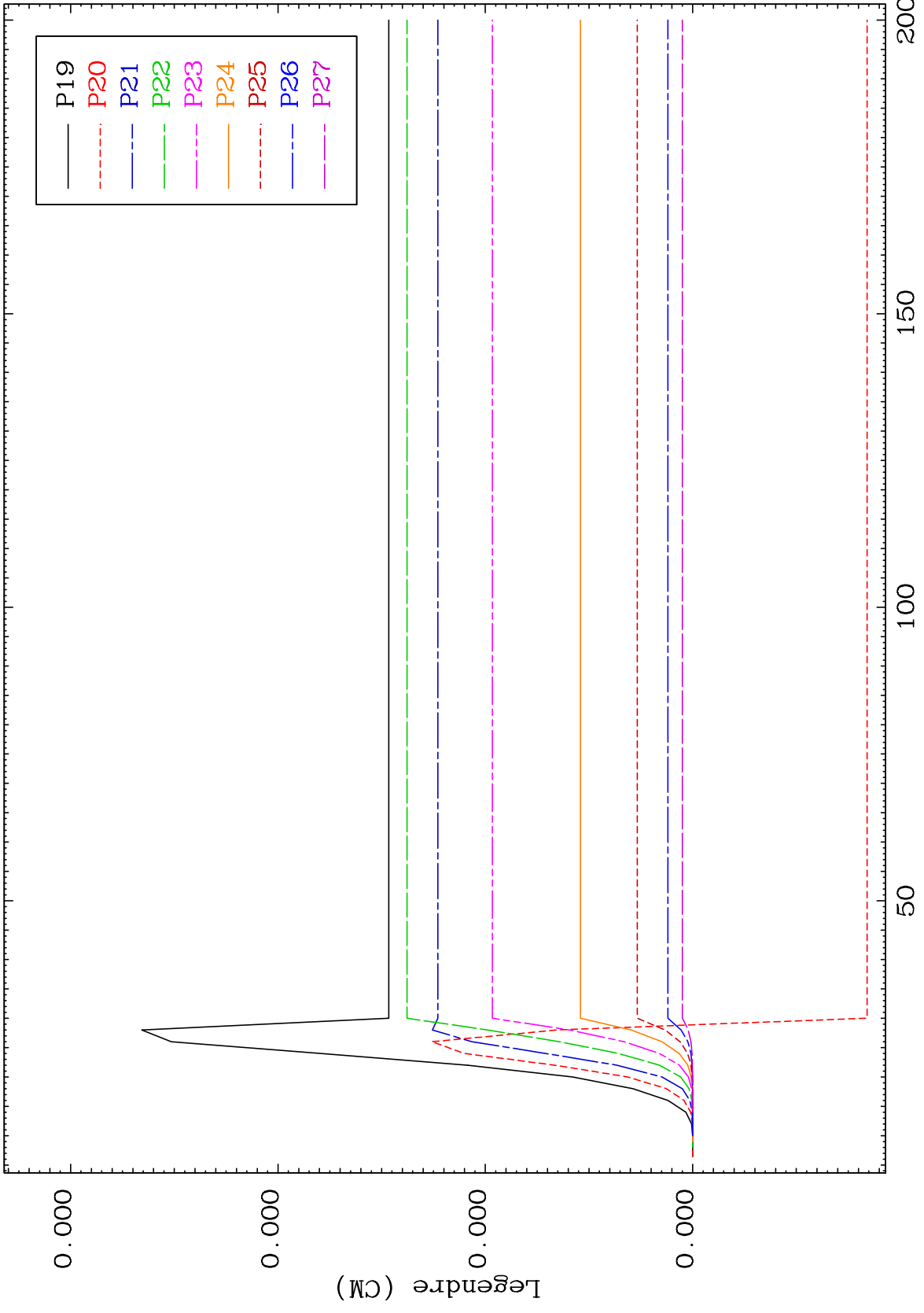


31

Incident Energy (MeV)

80-Hg-188

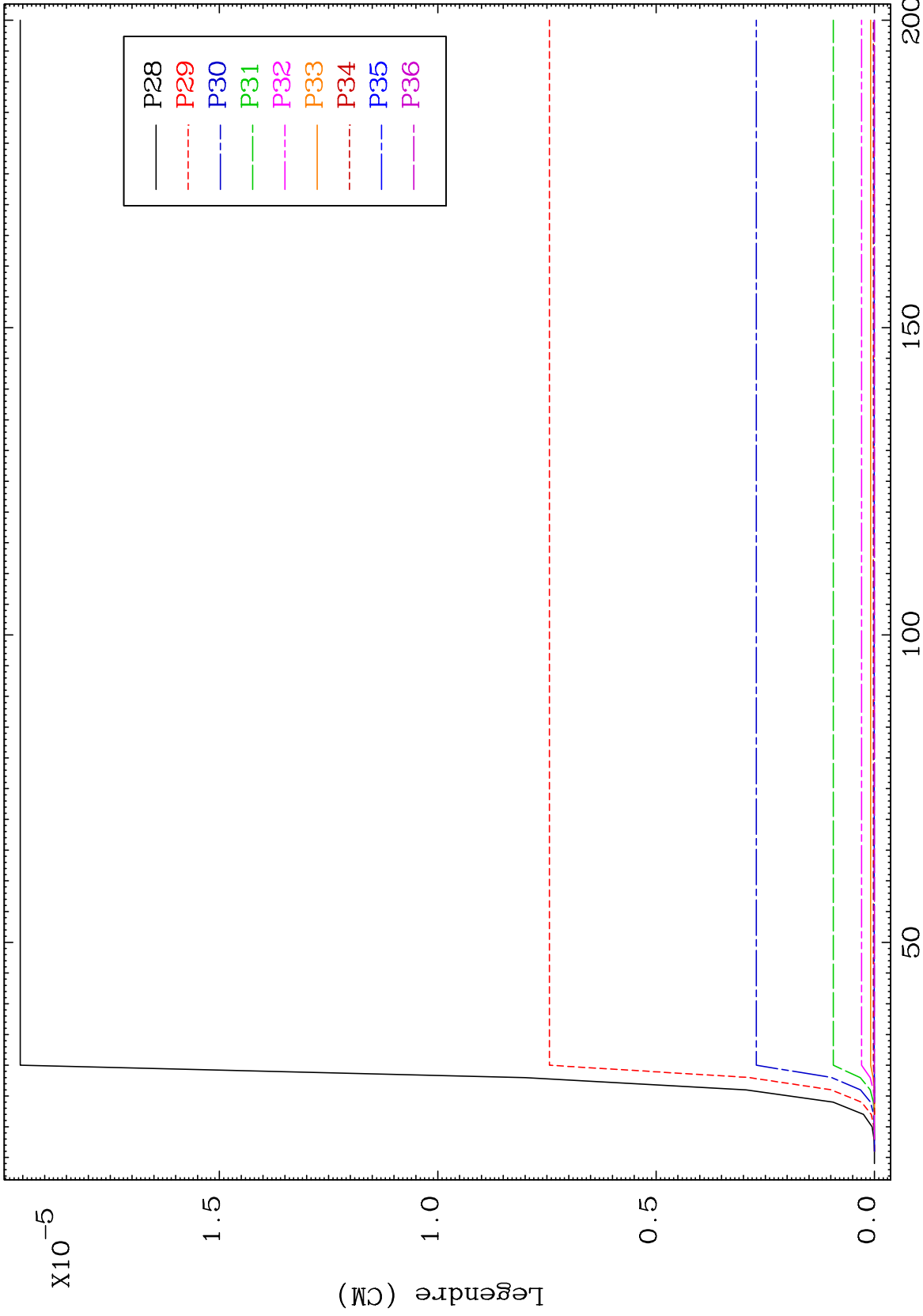
MAT 8001 MT= 54 (n,n') Level Legendre Coefficients 80-Hg-188



MAT 8001

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

80-Hg-188

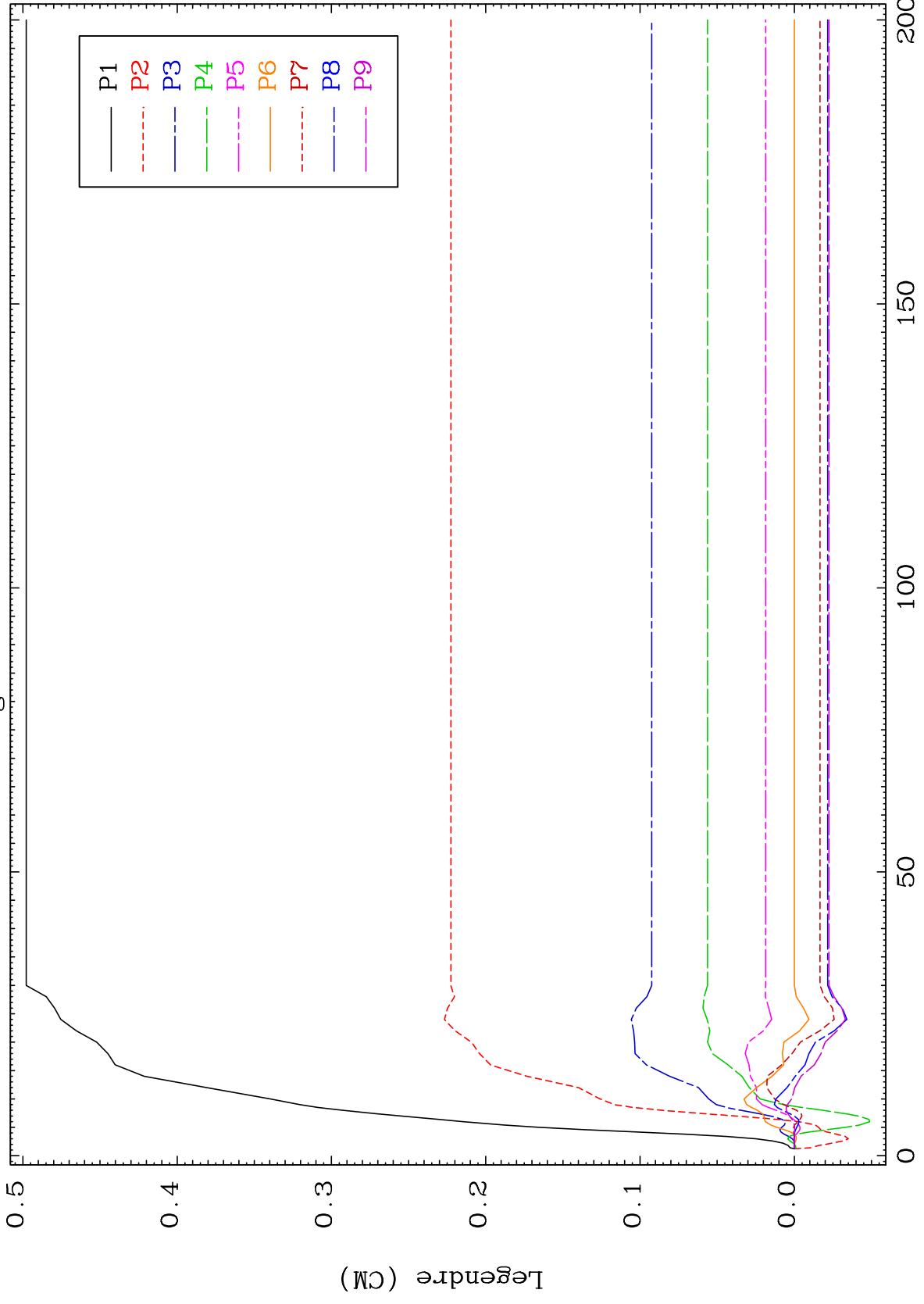


33

Incident Energy (MeV)

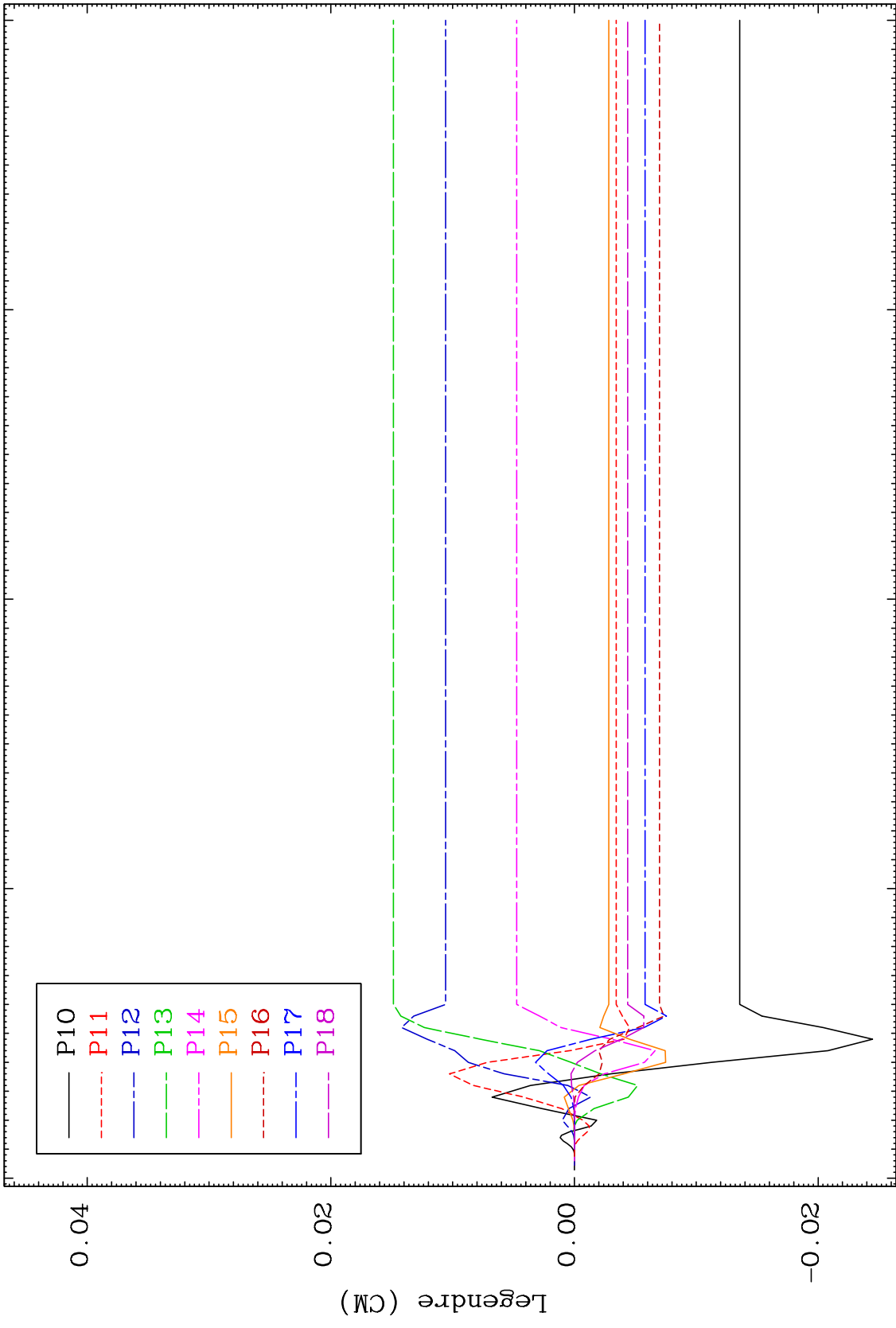
80-Hg-188

MAT 8001 MT= 55 (n,n') Level Legendre Coefficients 80-Hg-188

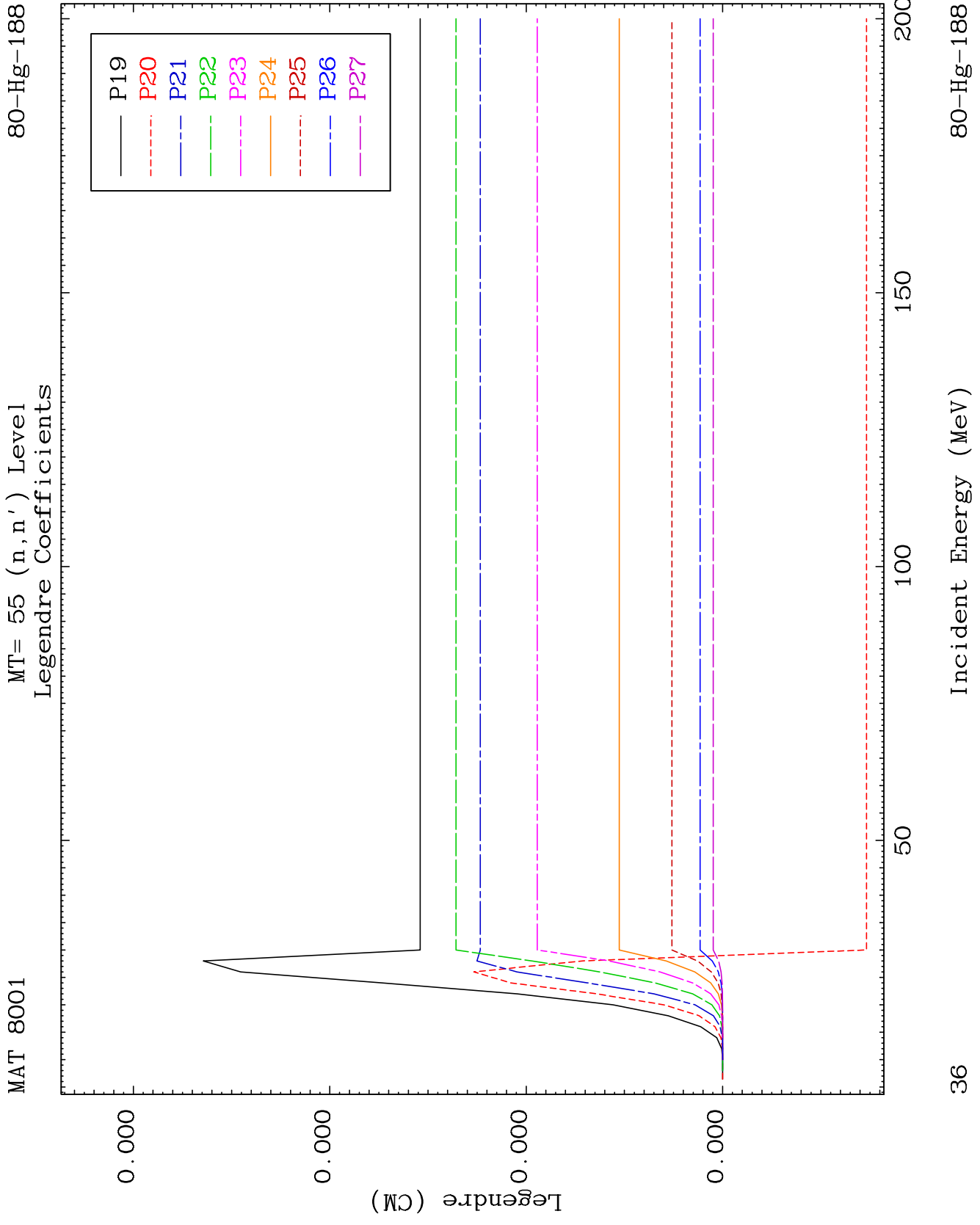


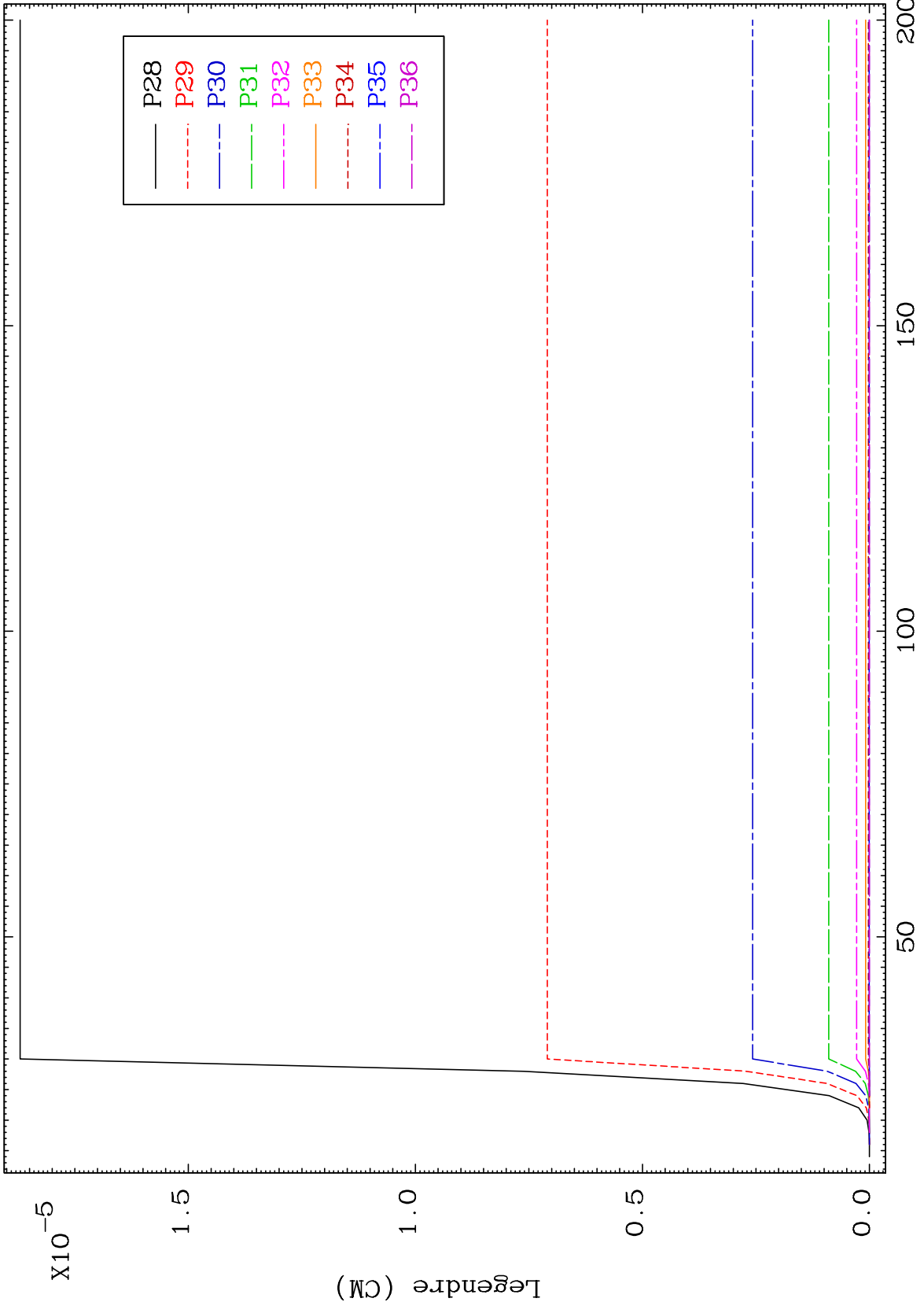
34 80-Hg-188

MAT 8001 MT= 55 (n,n') Level Legendre Coefficients 80-Hg-188

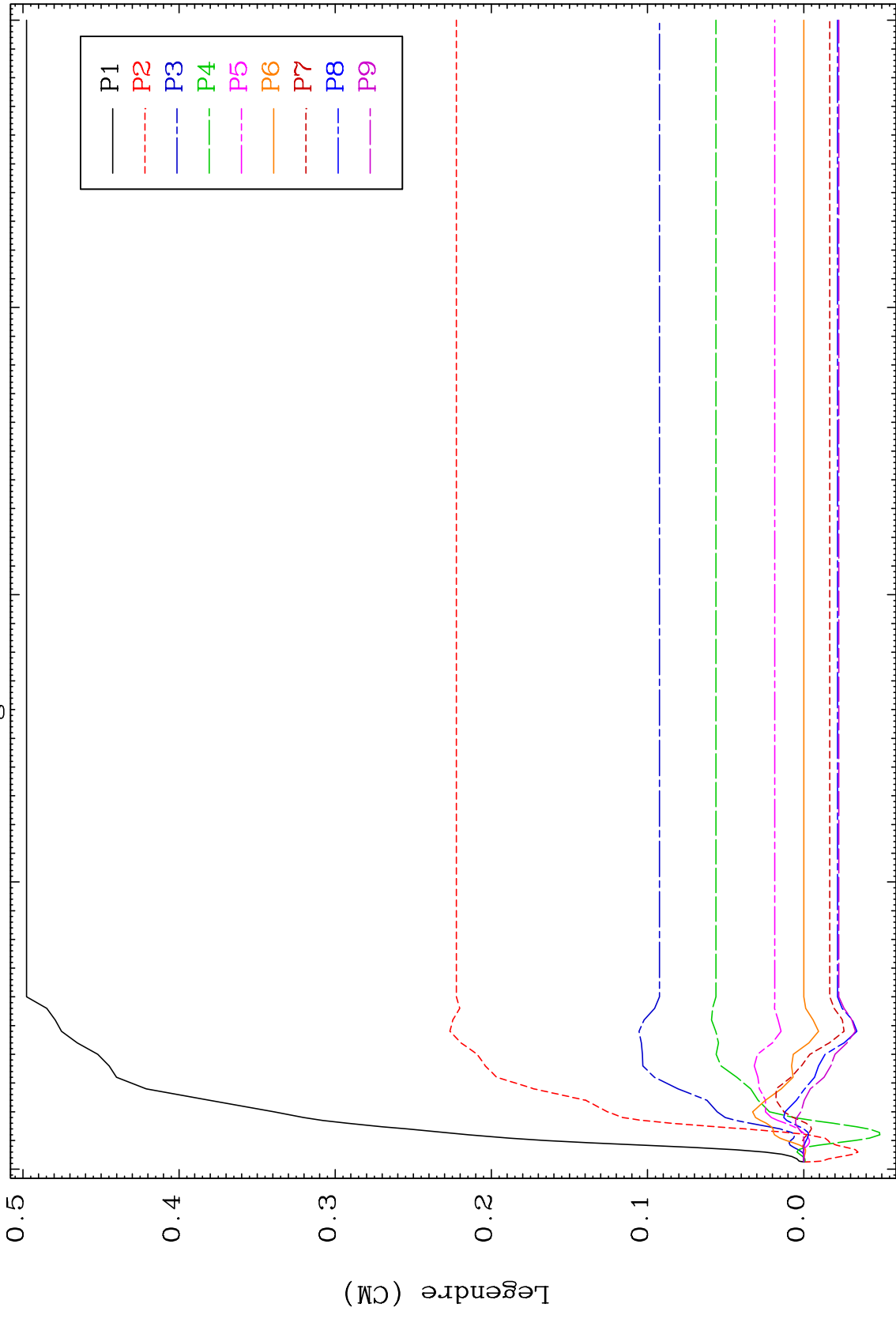


35 Incident Energy (MeV) 80-Hg-188



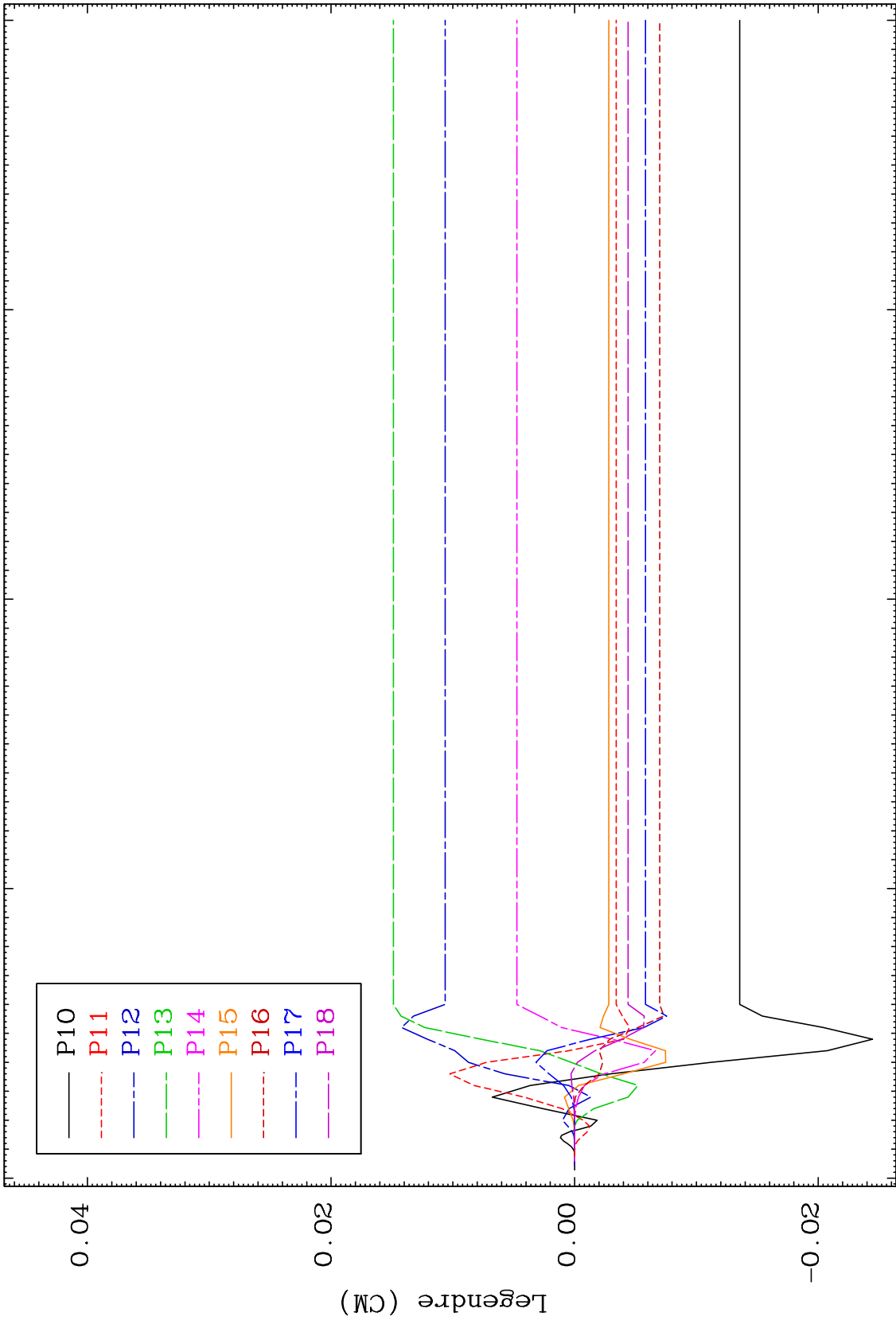


MAT 8001 MT= 56 (n,n') Level Legendre Coefficients 80-Hg-188



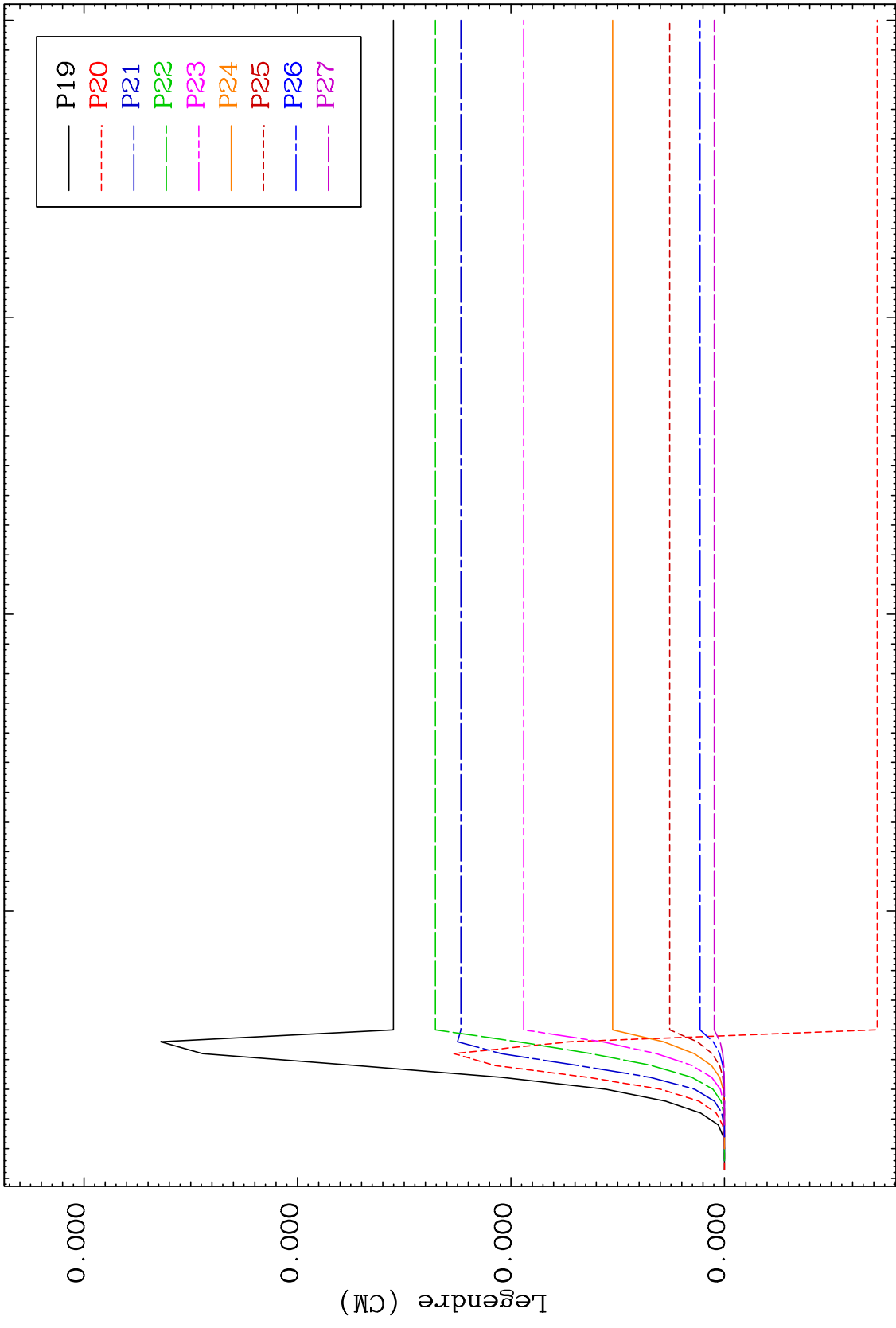
38 Incident Energy (MeV) 80-Hg-188

MAT 8001 MT= 56 (n,n') Level Legendre Coefficients 80-Hg-188

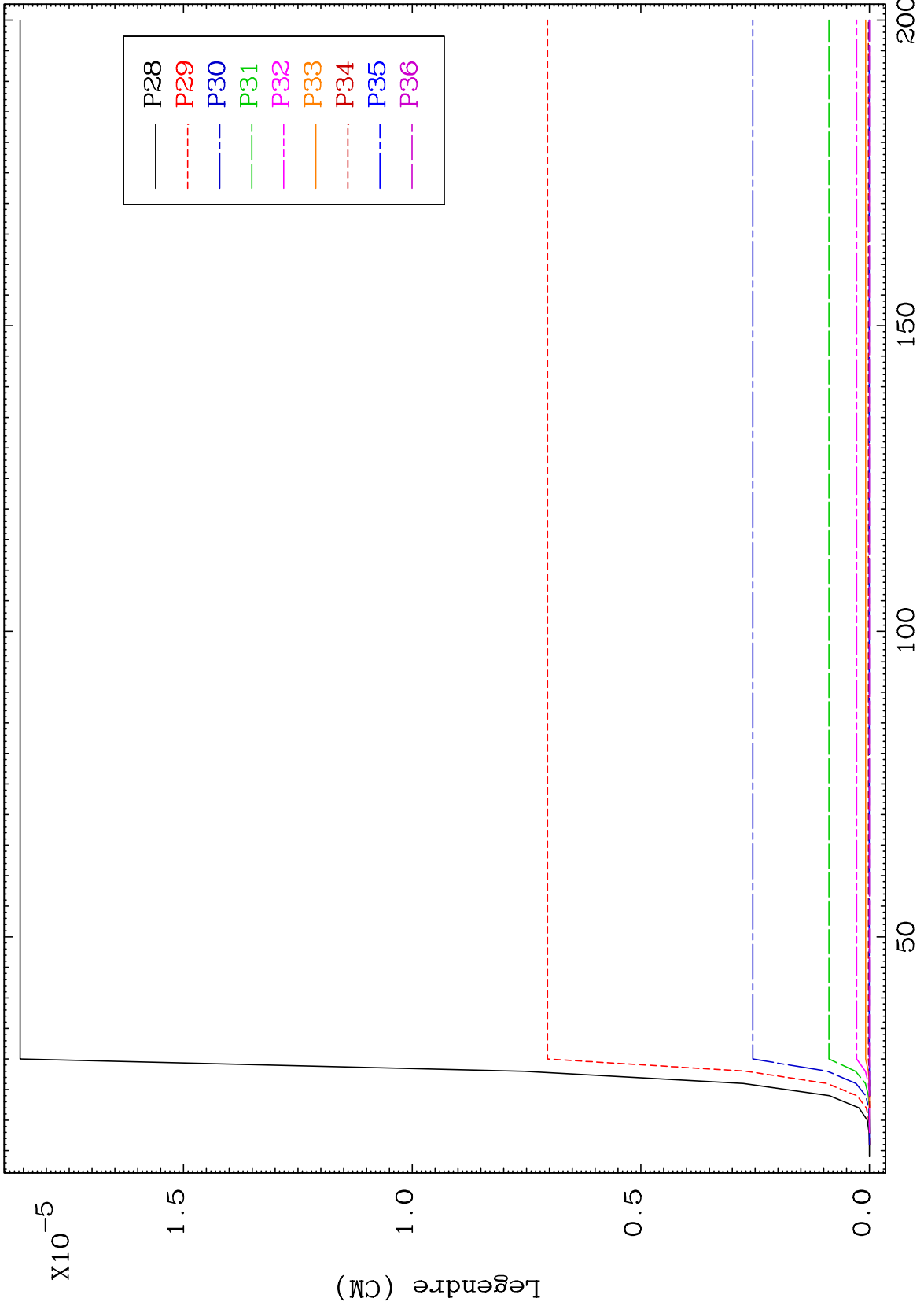


39 Incident Energy (MeV) 80-Hg-188

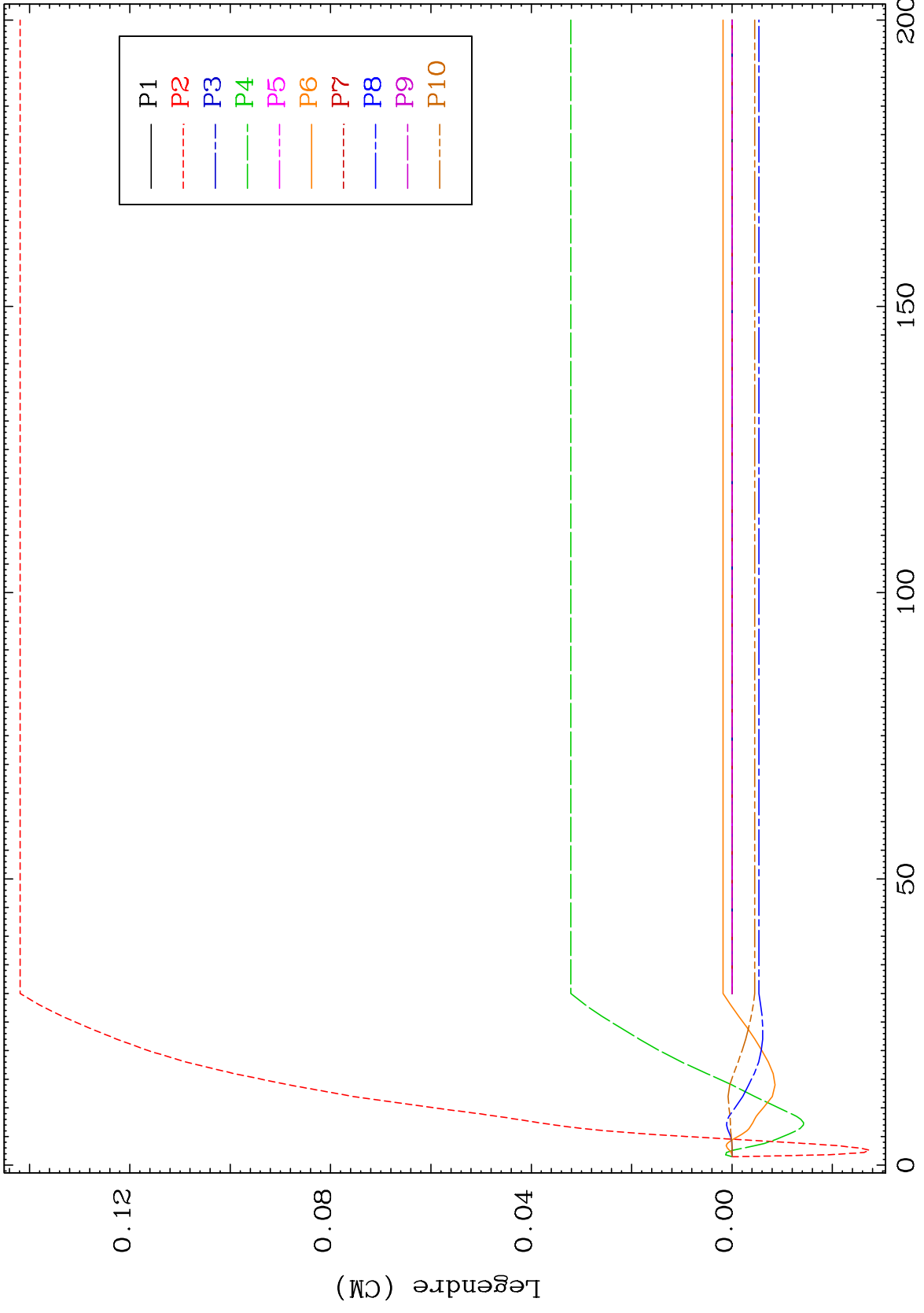
MAT 8001 MT= 56 (n,n') Level Legendre Coefficients 80-Hg-188



40 50 100 150 200 Incident Energy (MeV) 80-Hg-188

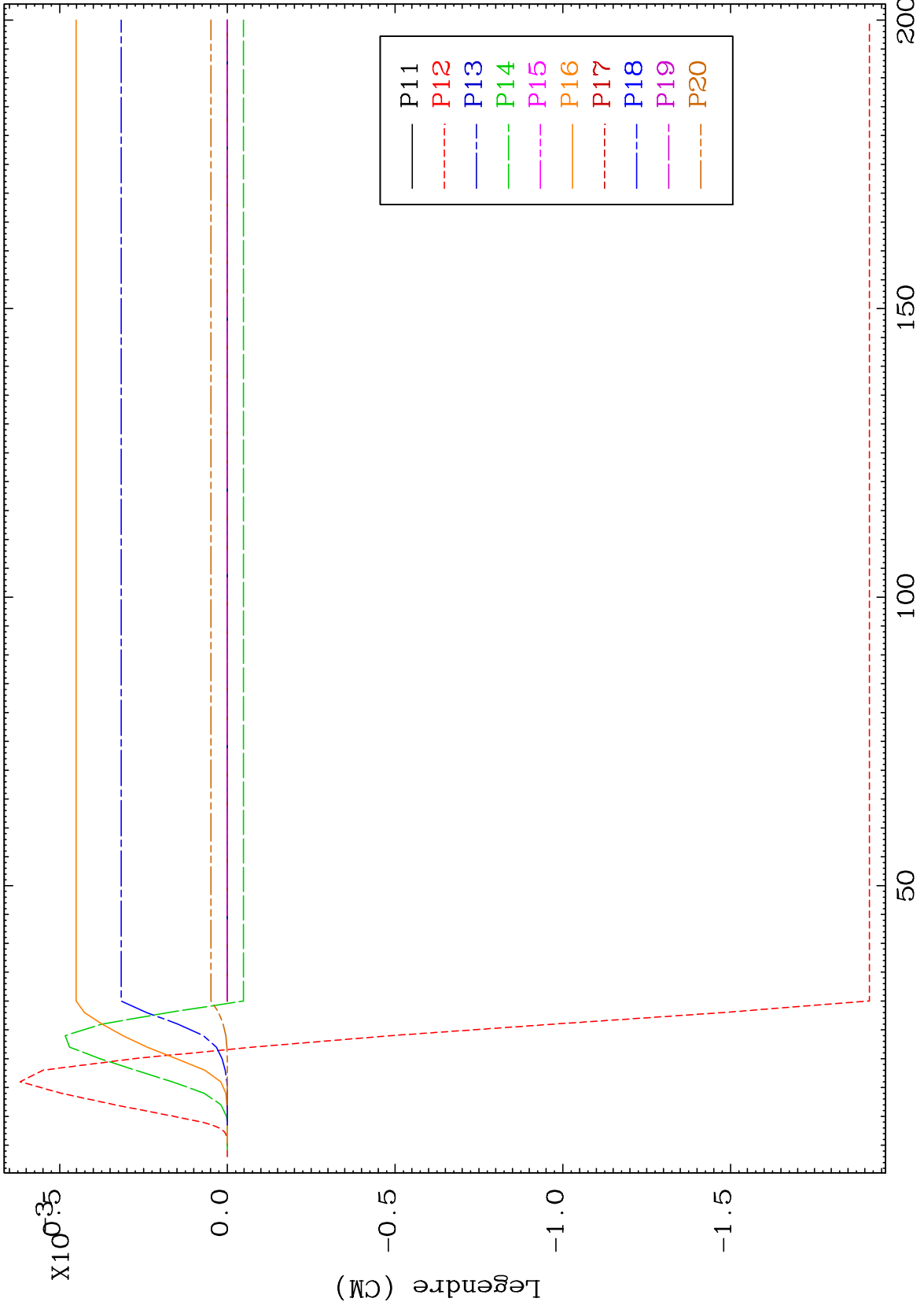


MAT 8001 MT= 57 (n,n') Level Legendre Coefficients 80-Hg-188



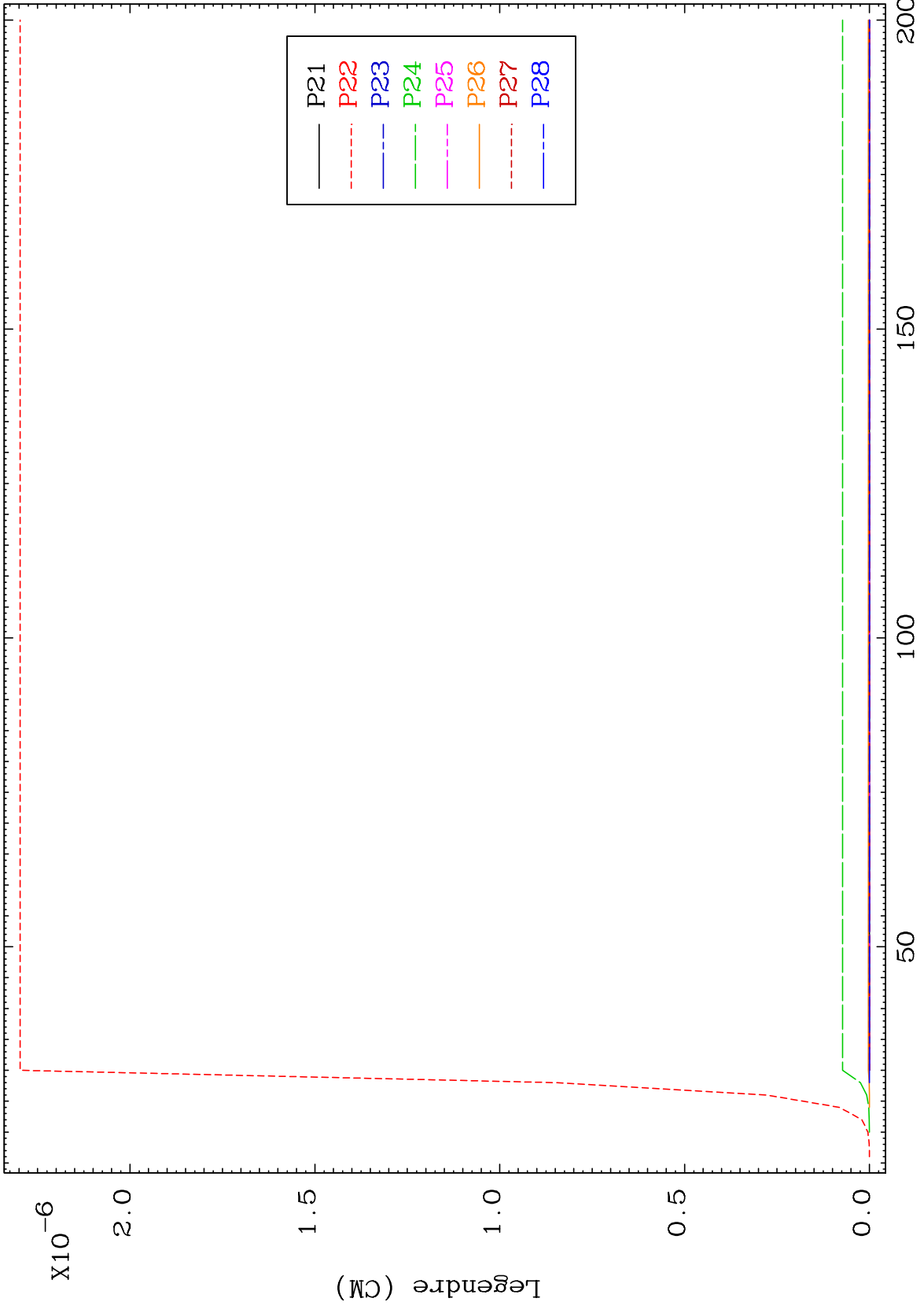
42 80-Hg-188

MAT 8001 MT= 57 (n,n') Level Legendre Coefficients 80-Hg-188

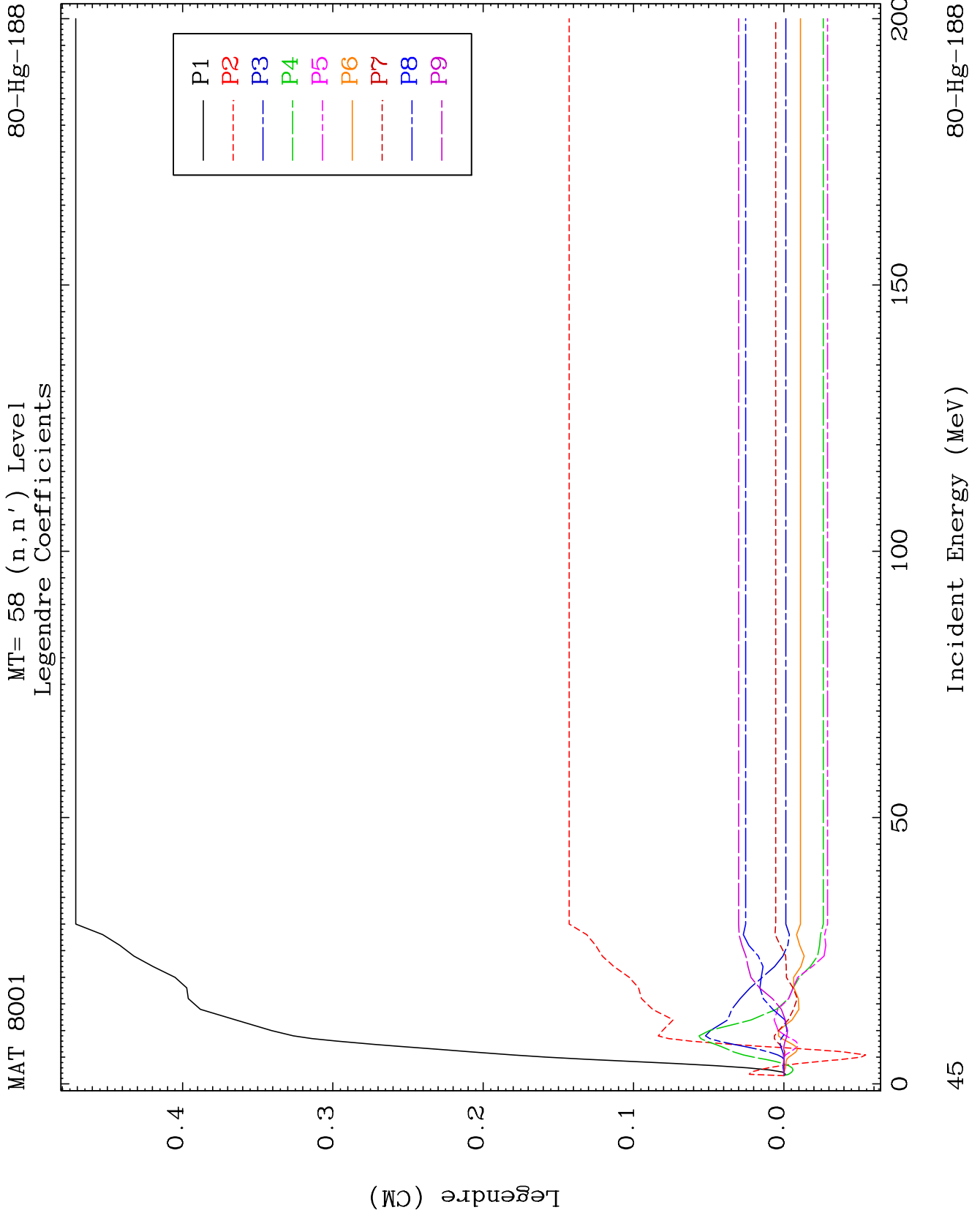


43 80-Hg-188

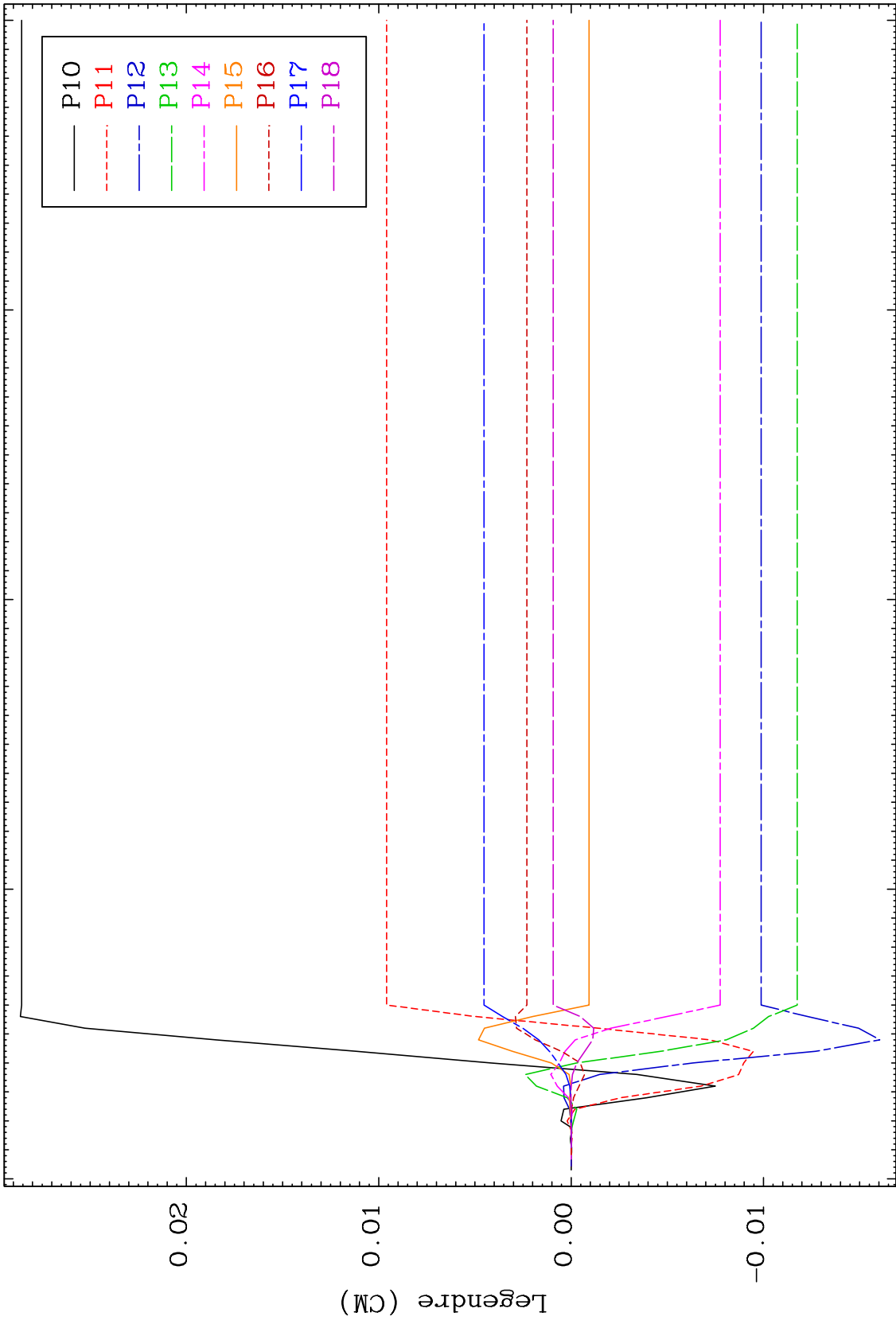
MAT 8001 MT= 57 (n,n') Level Legendre Coefficients 80-Hg-188



44 80-Hg-188

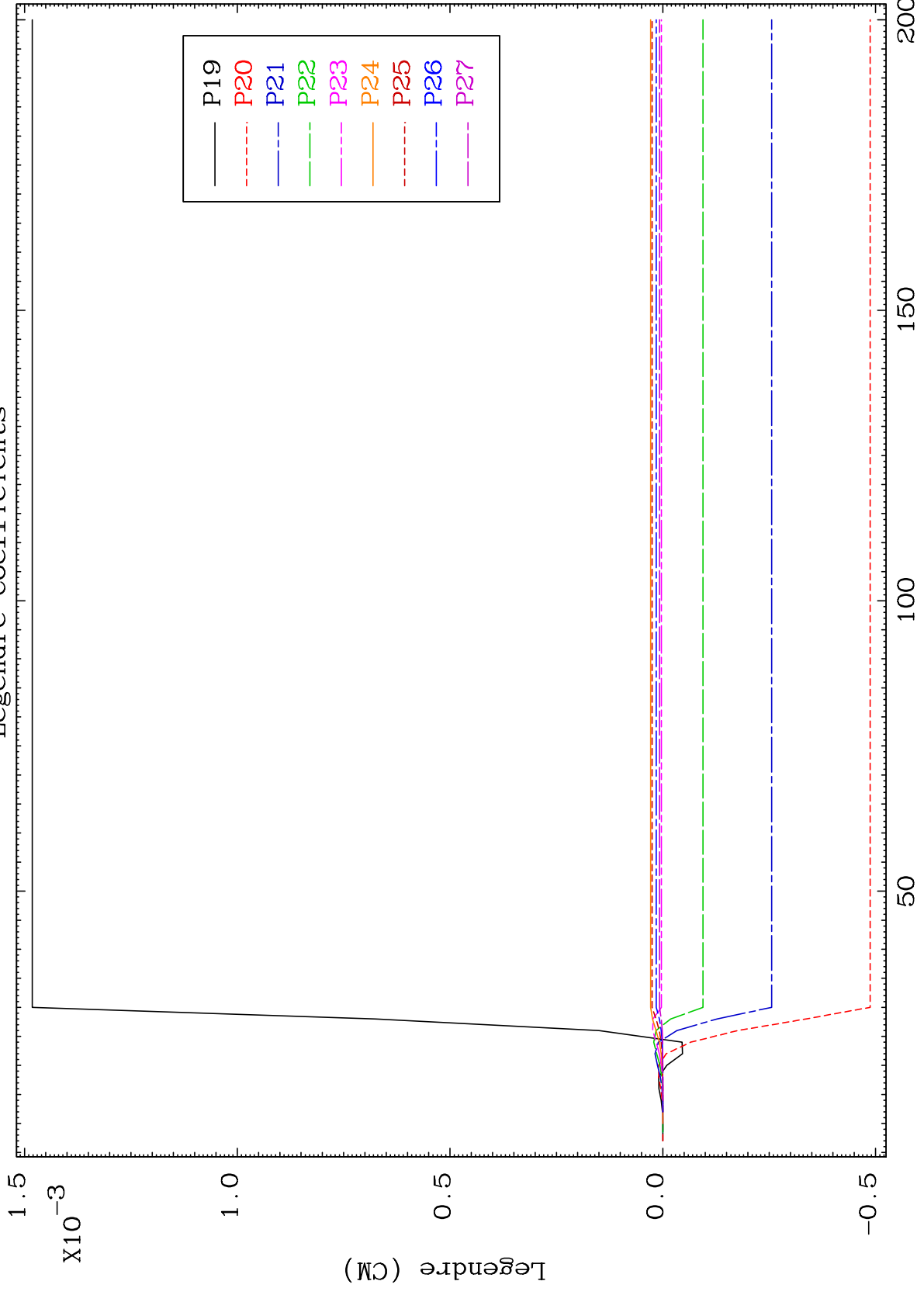


MAT 8001 MT= 58 (n,n') Level Legendre Coefficients 80-Hg-188

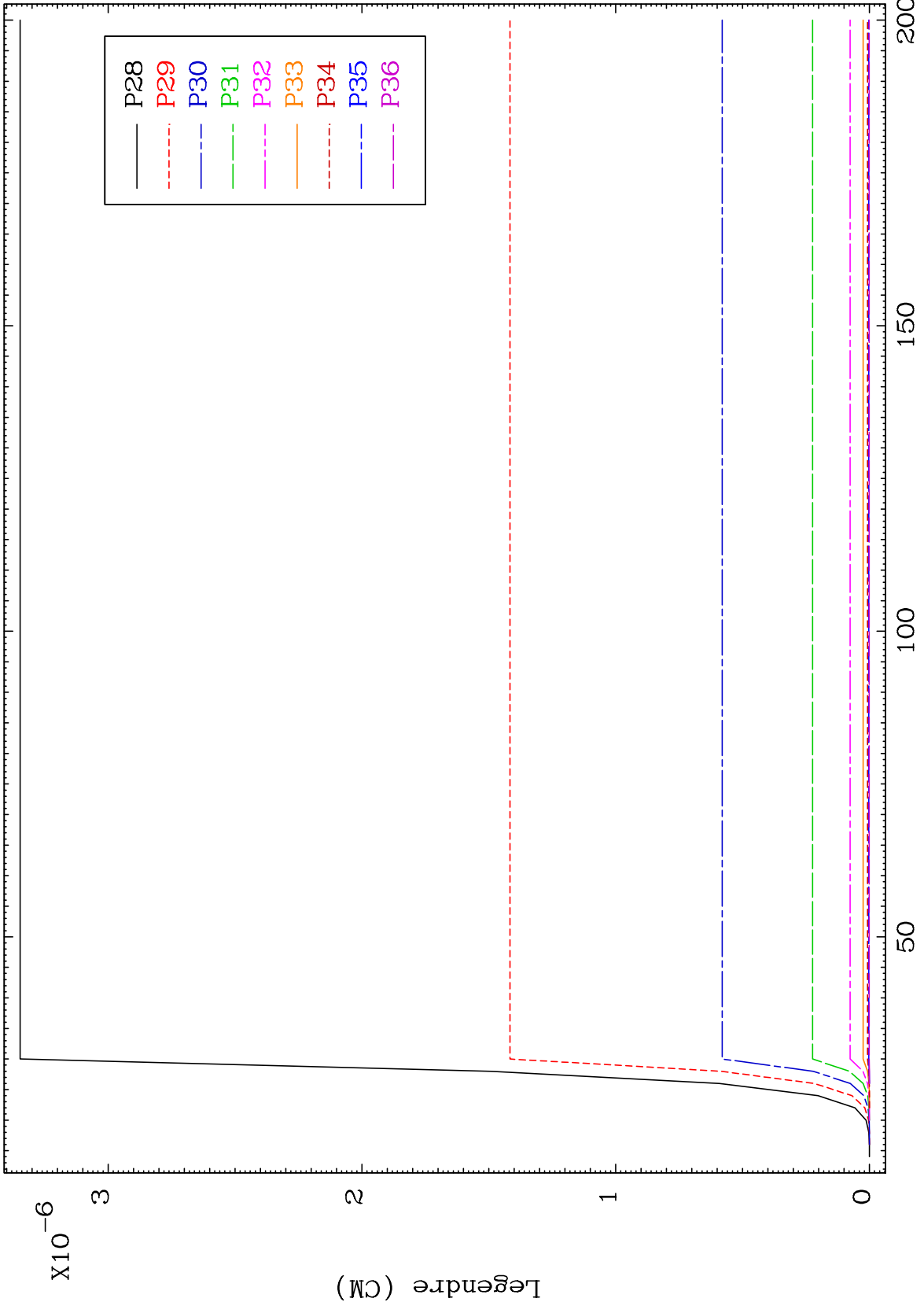


46 80-Hg-188

MAT 8001 MT= 58 (n,n') Level Legendre Coefficients 80-Hg-188

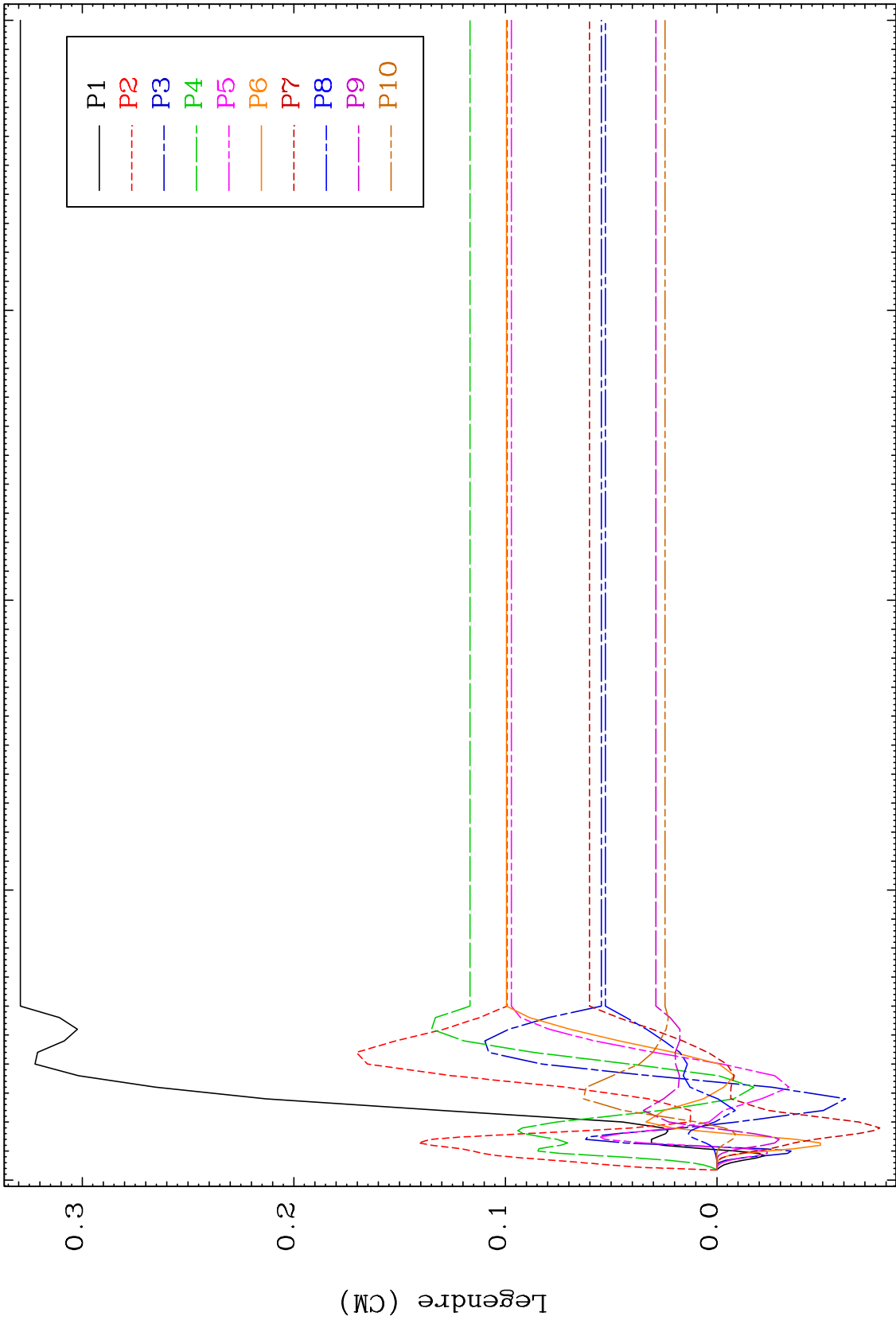


MAT 8001 MT= 58 (n,n') Level Legendre Coefficients 80-Hg-188

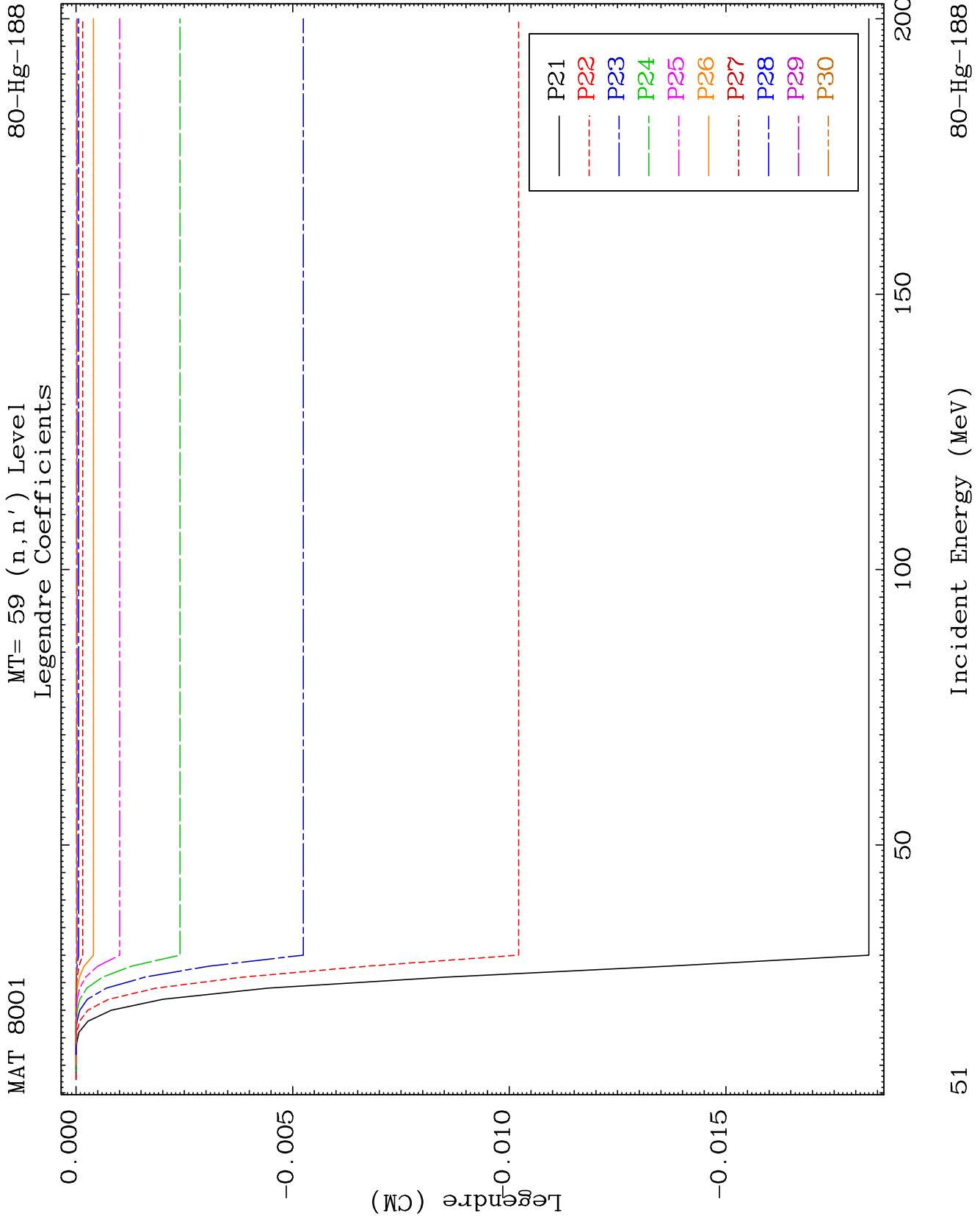


48 50 100 150 200 80-Hg-188

MAT 8001 MT= 59 (n,n') Level Legendre Coefficients 80-Hg-188

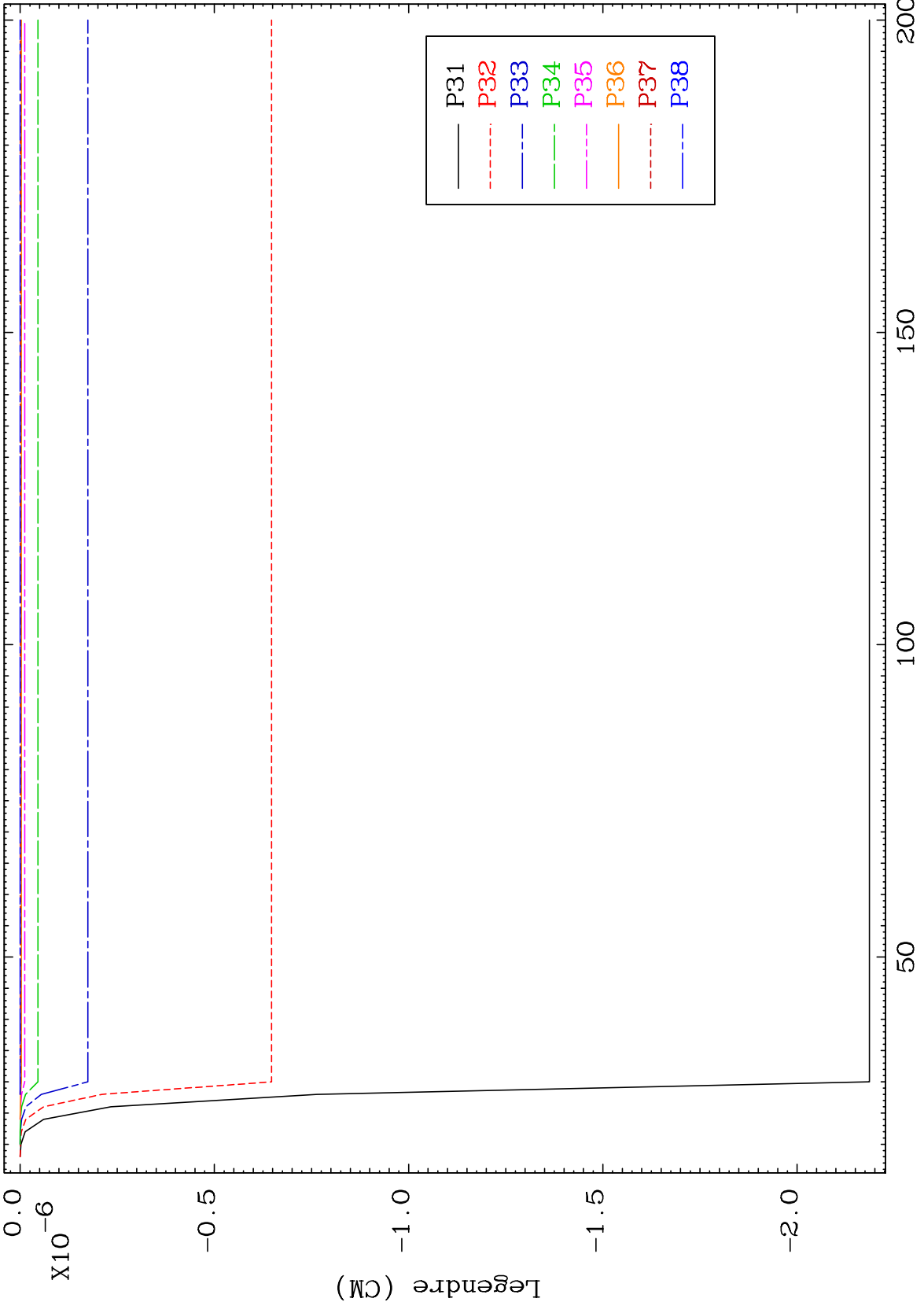


49 80-Hg-188



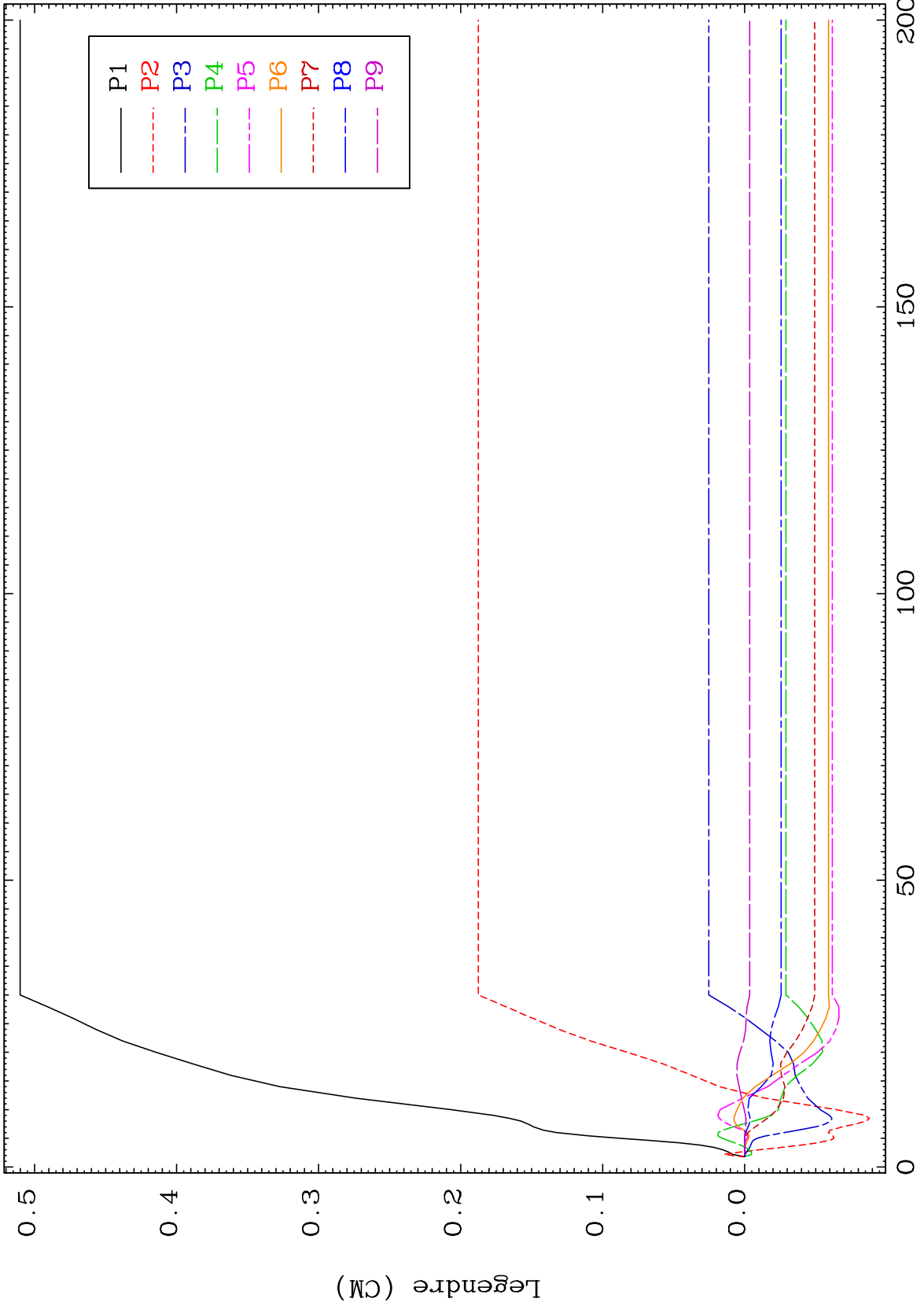
MAT 8001 MT= 59 (n,n') Level 80-Hg-188

Legendre Coefficients



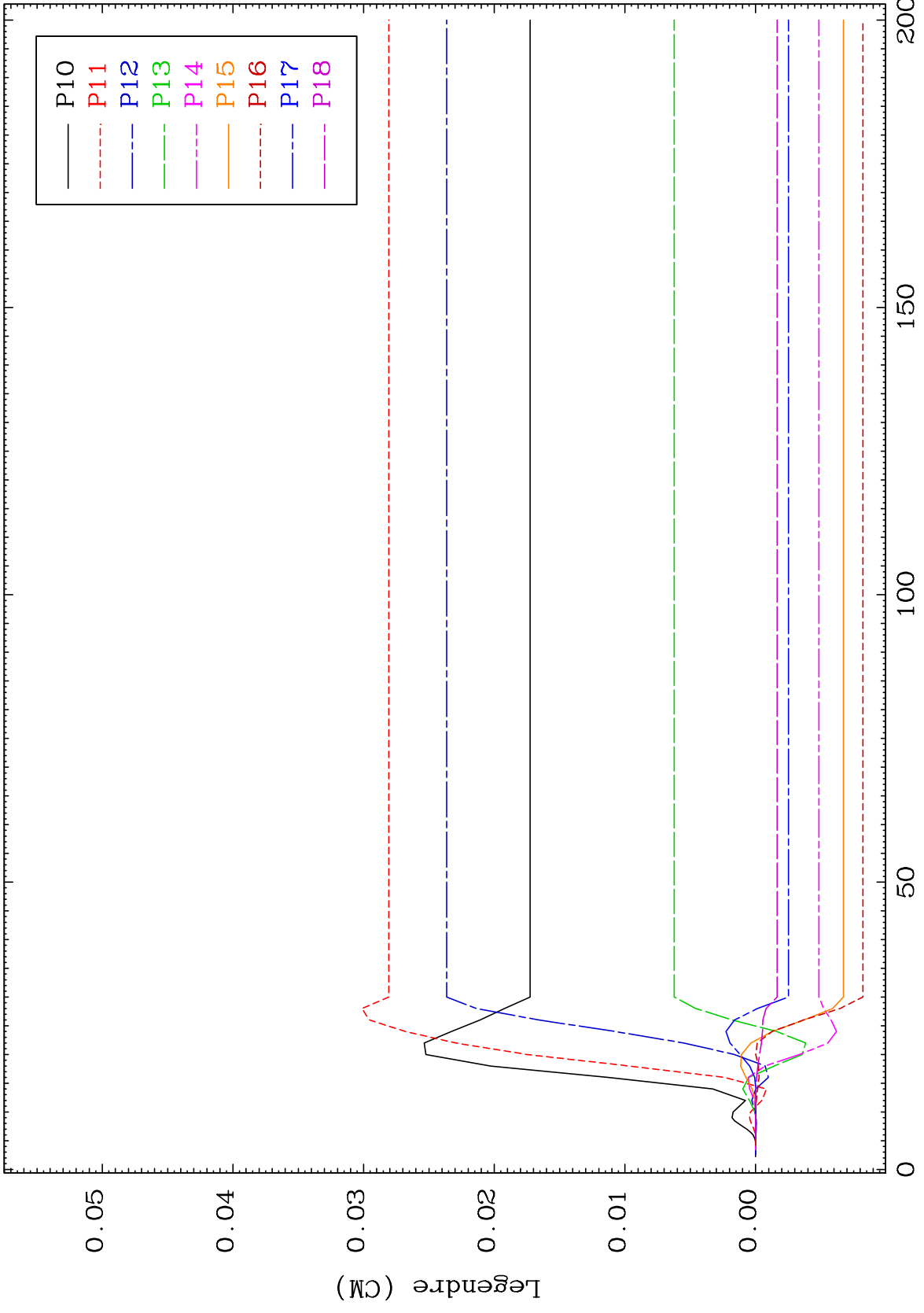
52 Incident Energy (MeV) 80-Hg-188

MAT 8001 MT= 60 (n,n') Level Legendre Coefficients 80-Hg-188



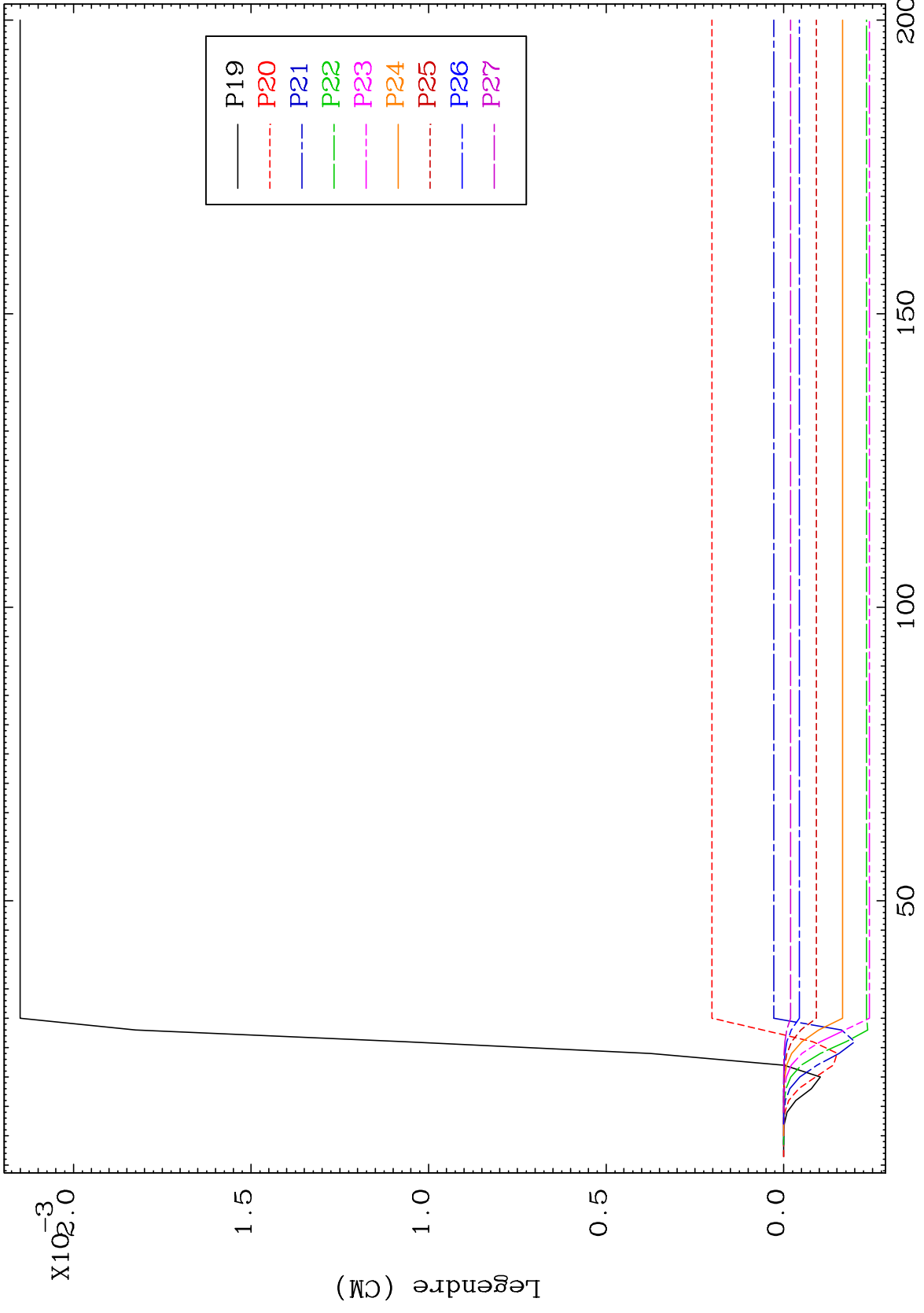
53 80-Hg-188

MAT 8001 MT= 60 (n,n') Level Legendre Coefficients 80-Hg-188

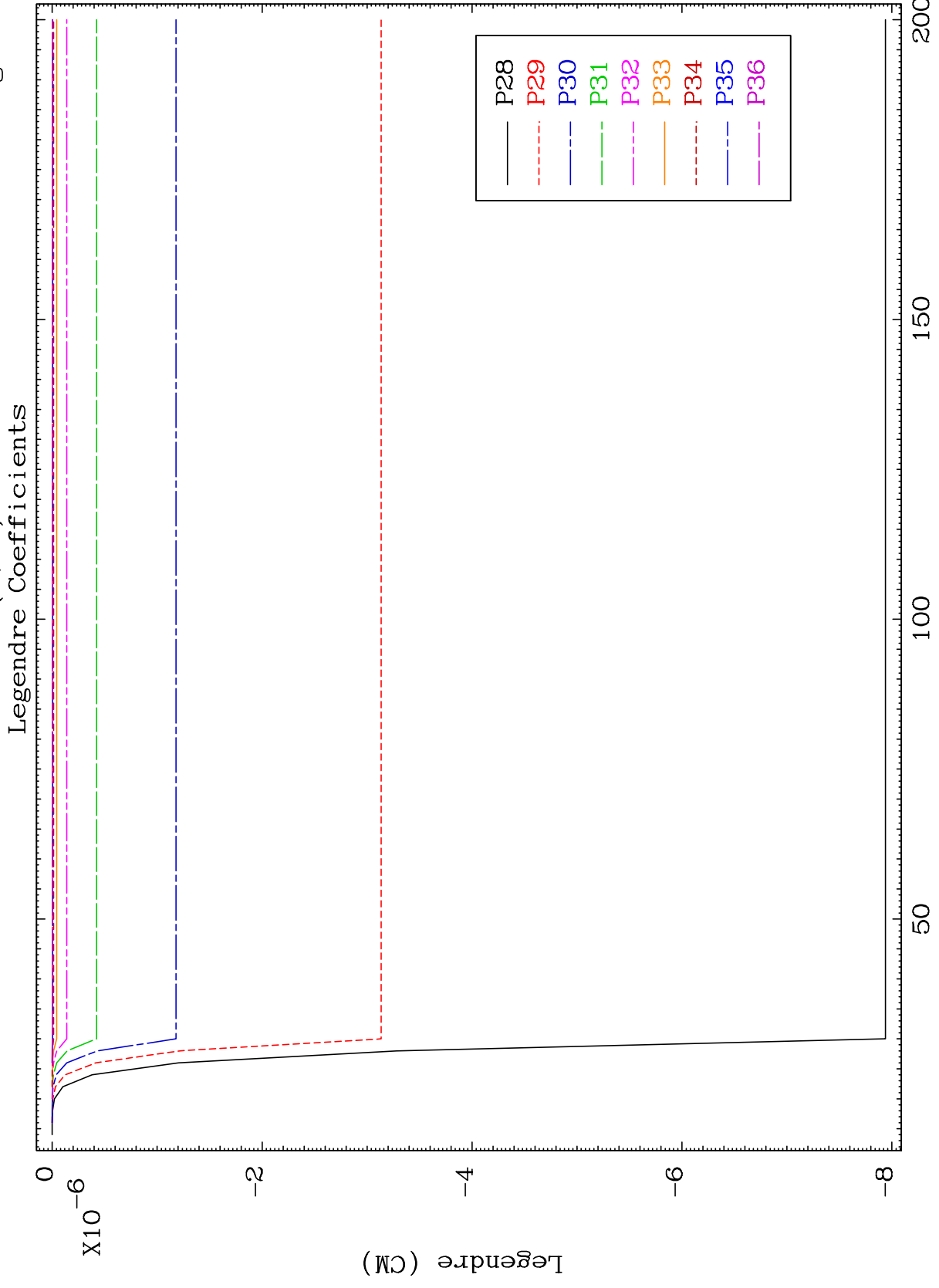


54 80-Hg-188

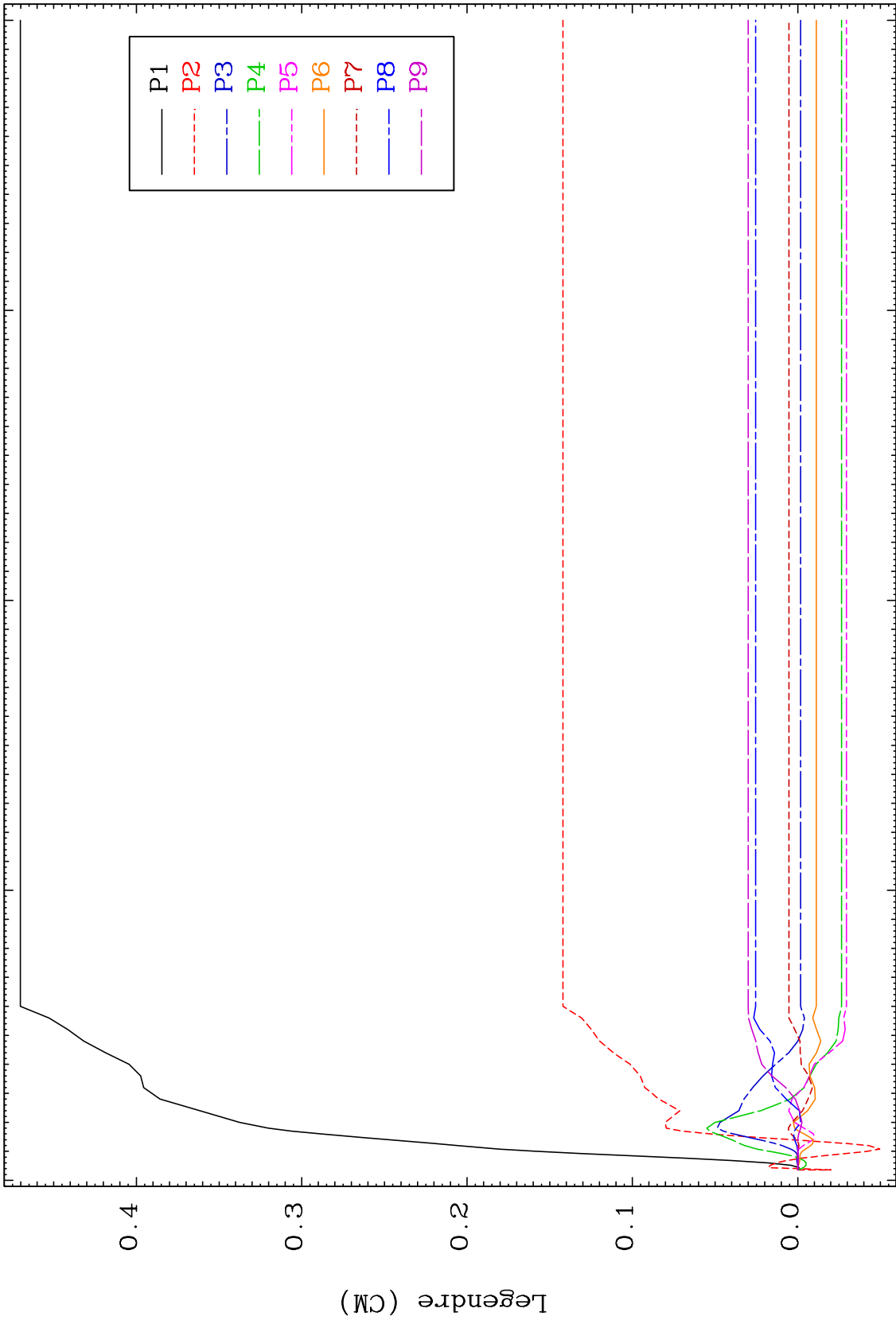
MAT 8001 MT= 60 (n,n') Level Legendre Coefficients 80-Hg-188



MAT 8001 MT= 60 (n, n') Level Legendre Coefficients 80-Hg-188

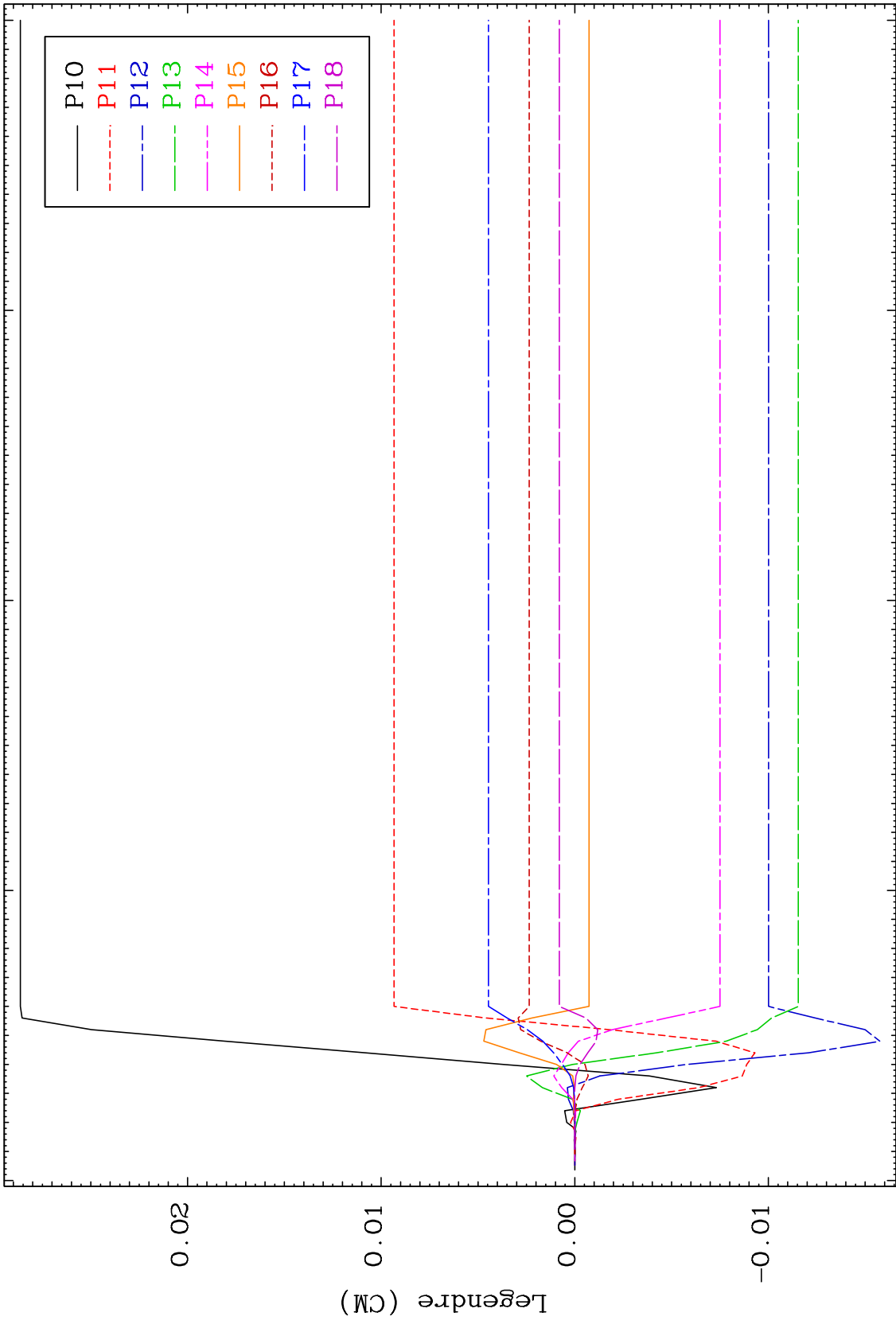


MAT 8001 MT= 61 (n,n') Level Legendre Coefficients 80-Hg-188



57 80-Hg-188

MAT 8001 MT= 61 (n,n') Level Legendre Coefficients 80-Hg-188

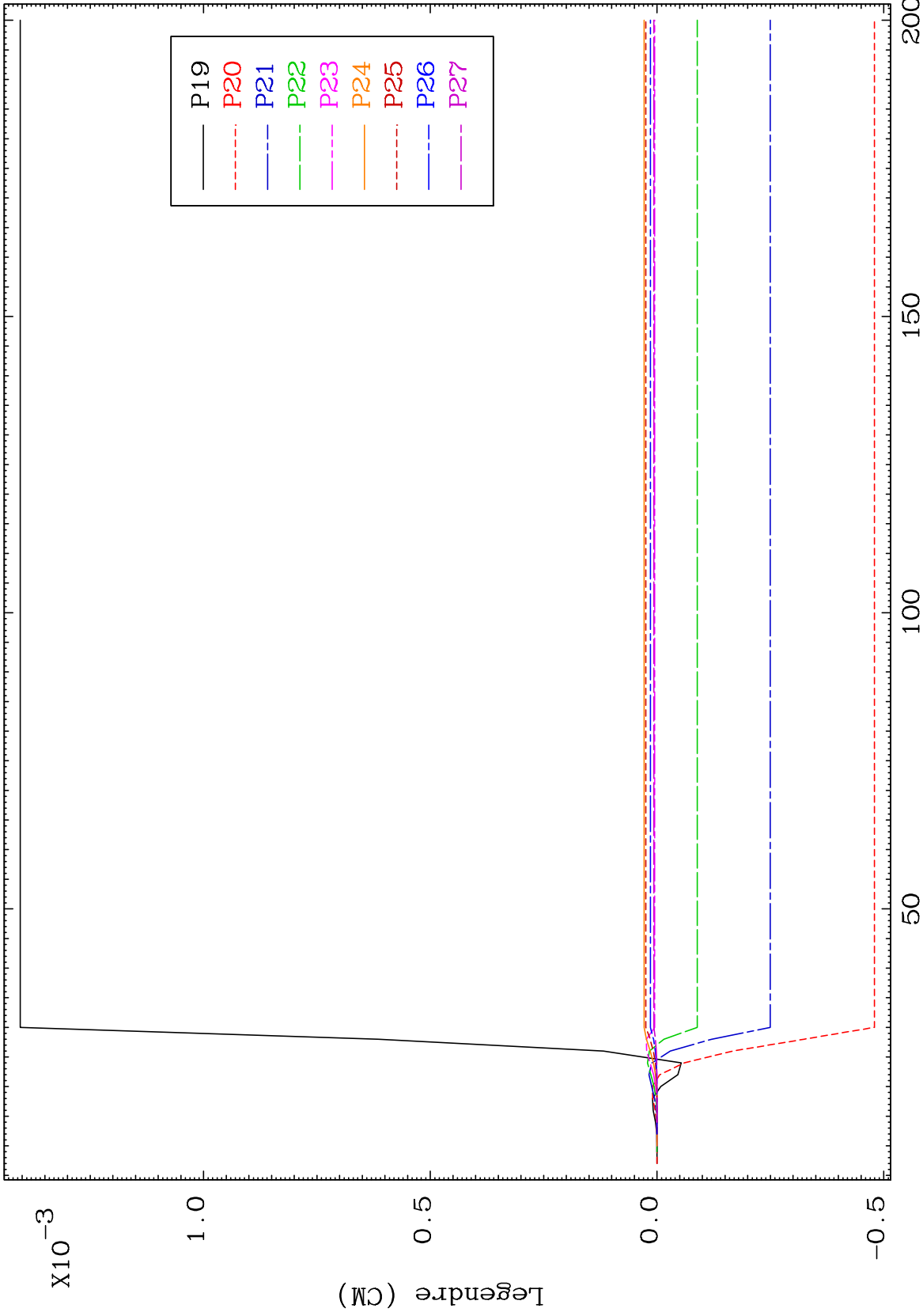


58 80-Hg-188

MAT 8001

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

80-Hg-188

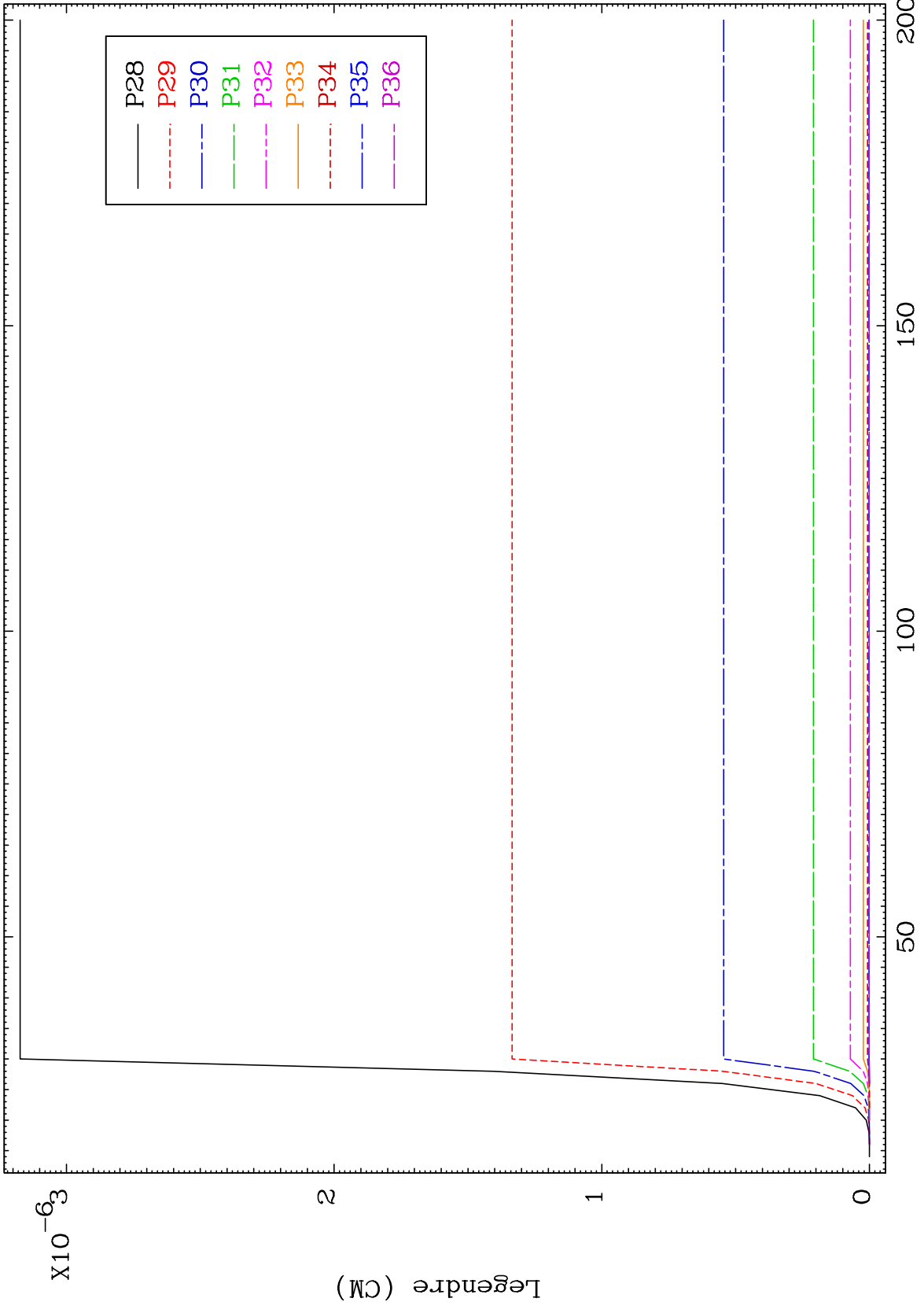


59

80-Hg-188

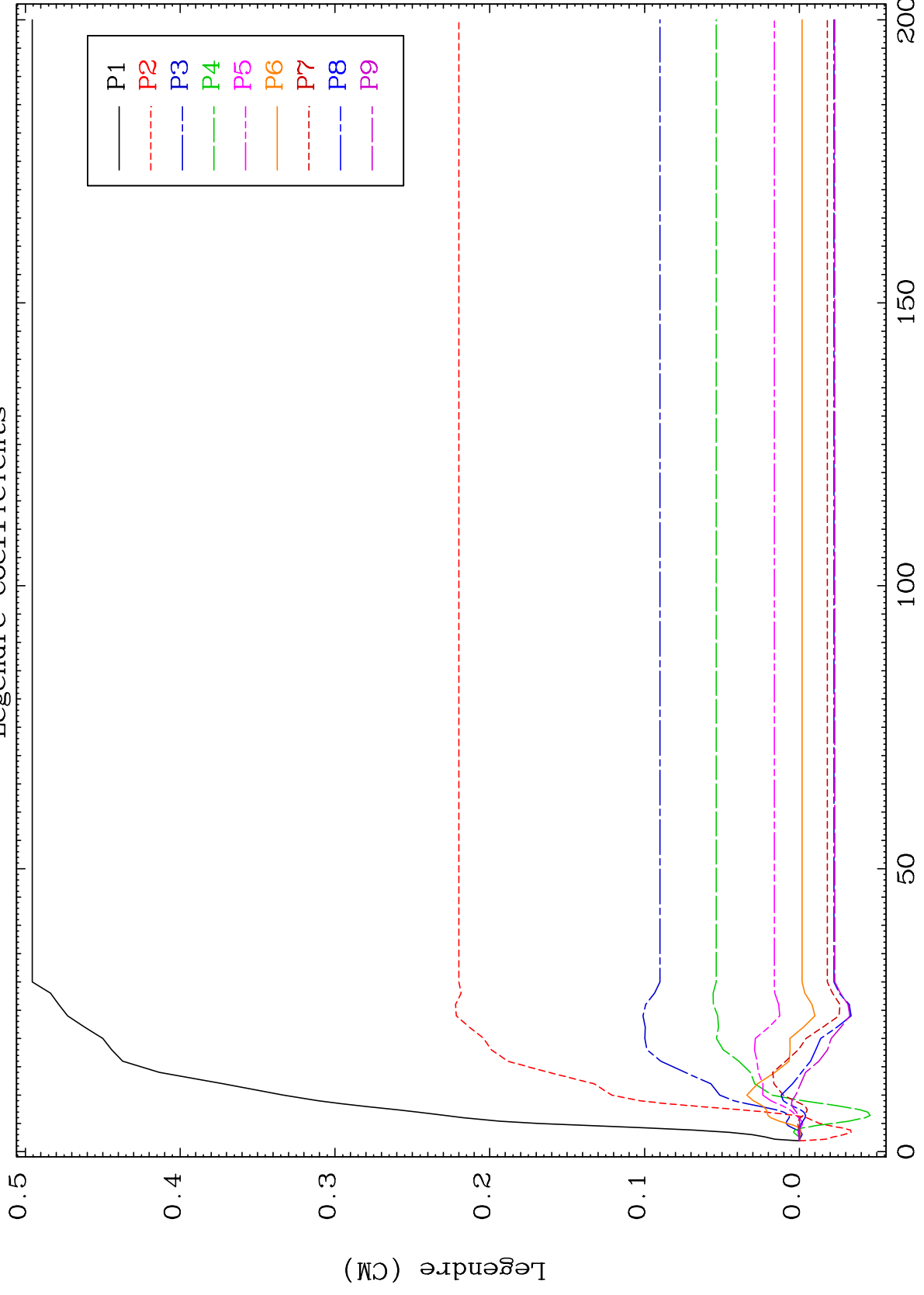
80-Hg-188

MAT 8001 MT= 61 (n,n') Level Legendre Coefficients 80-Hg-188



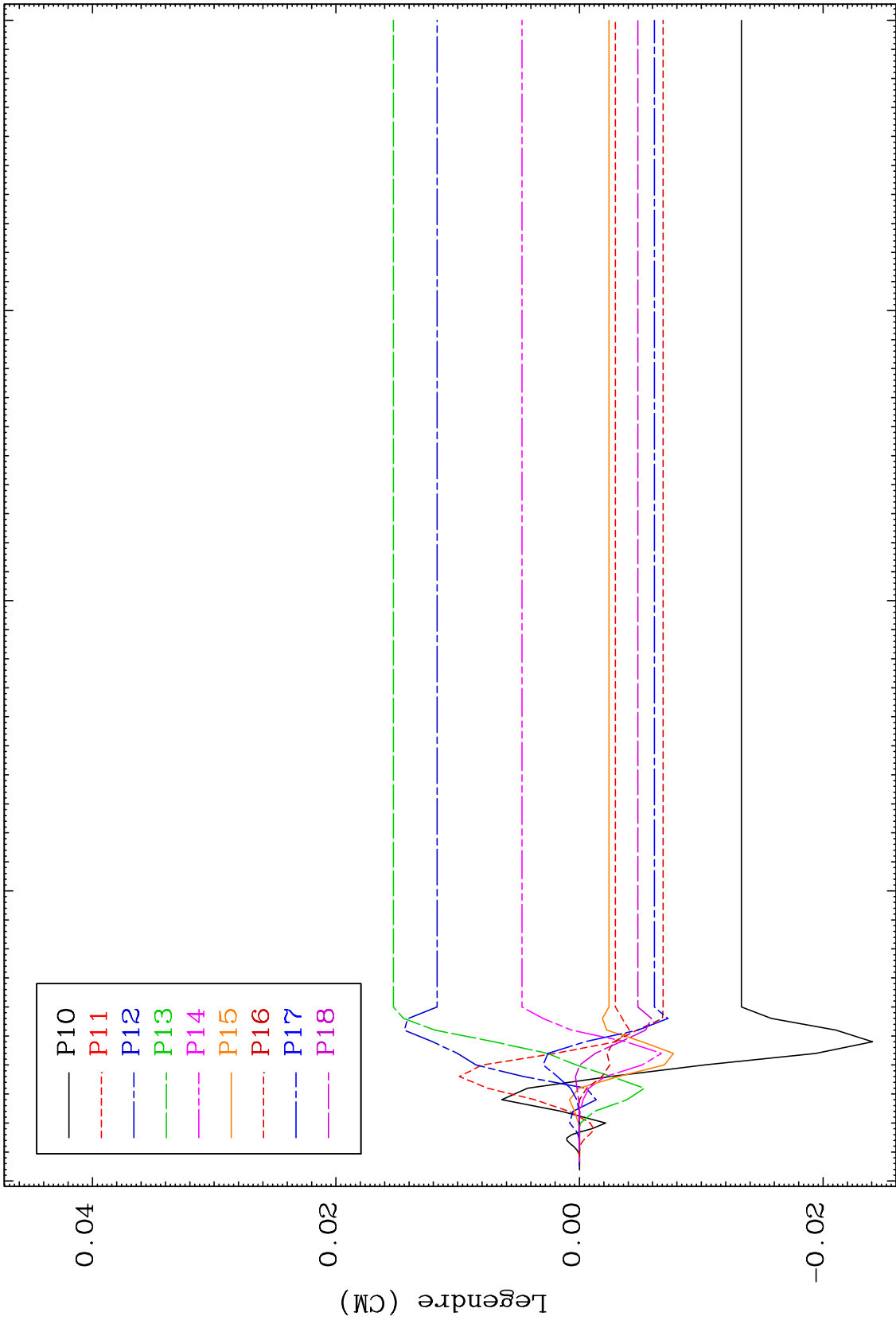
80-Hg-188

MAT 8001 MT= 62 (n,n') Level Legendre Coefficients 80-Hg-188



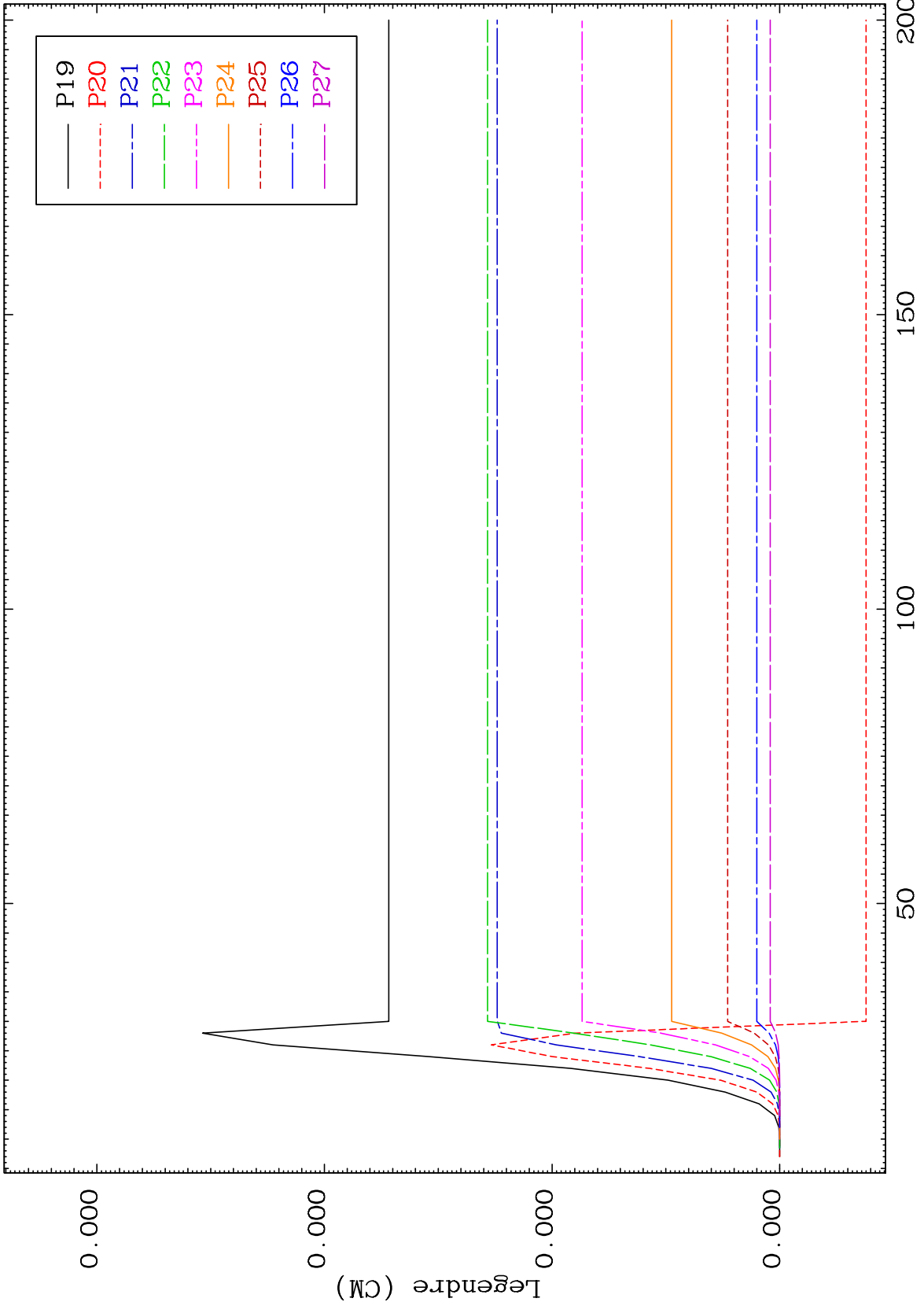
61 80-Hg-188

MAT 8001 MT= 62 (n,n') Level Legendre Coefficients 80-Hg-188



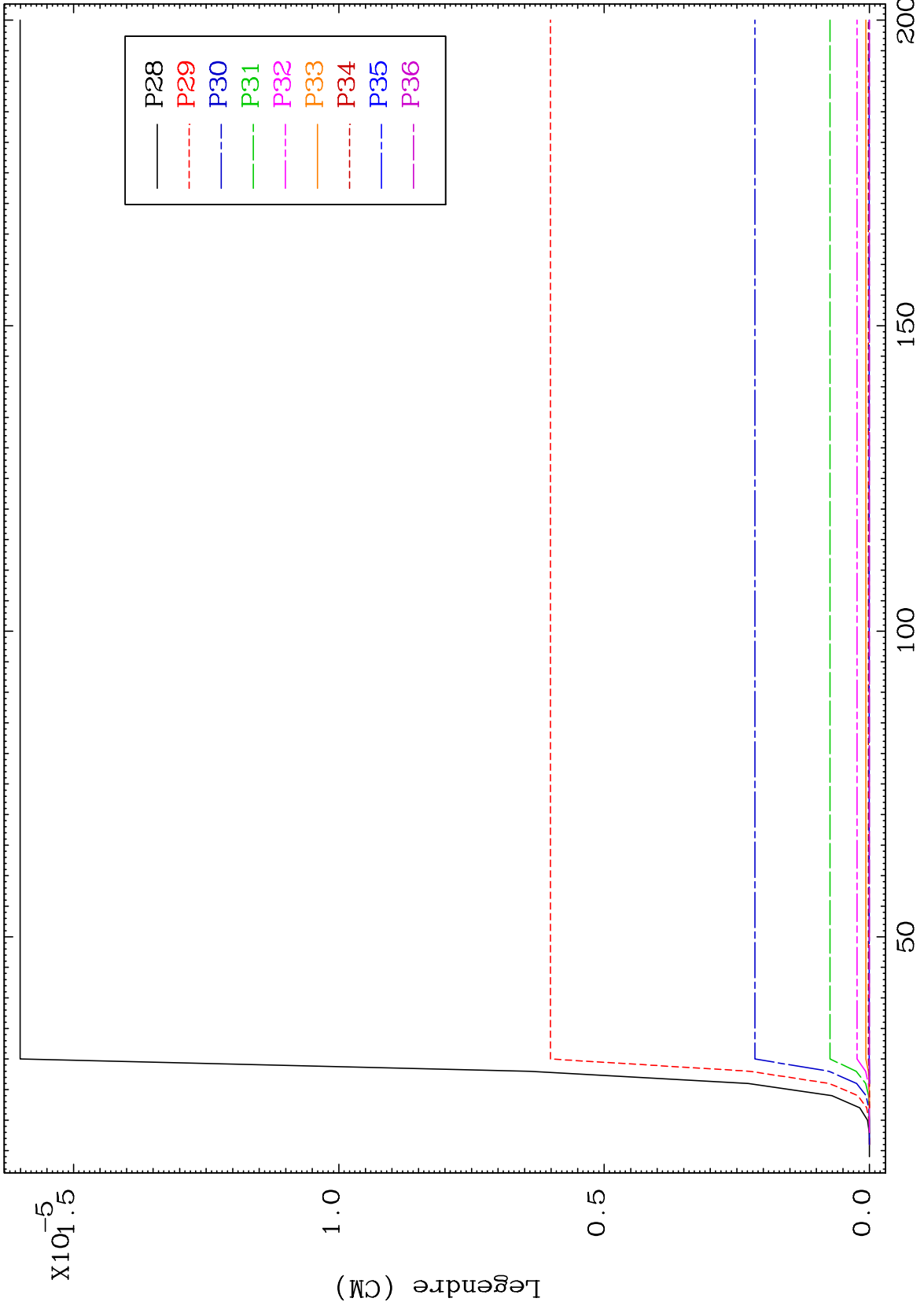
62 80-Hg-188

MAT 8001 MT= 62 (n,n') Level Legendre Coefficients 80-Hg-188



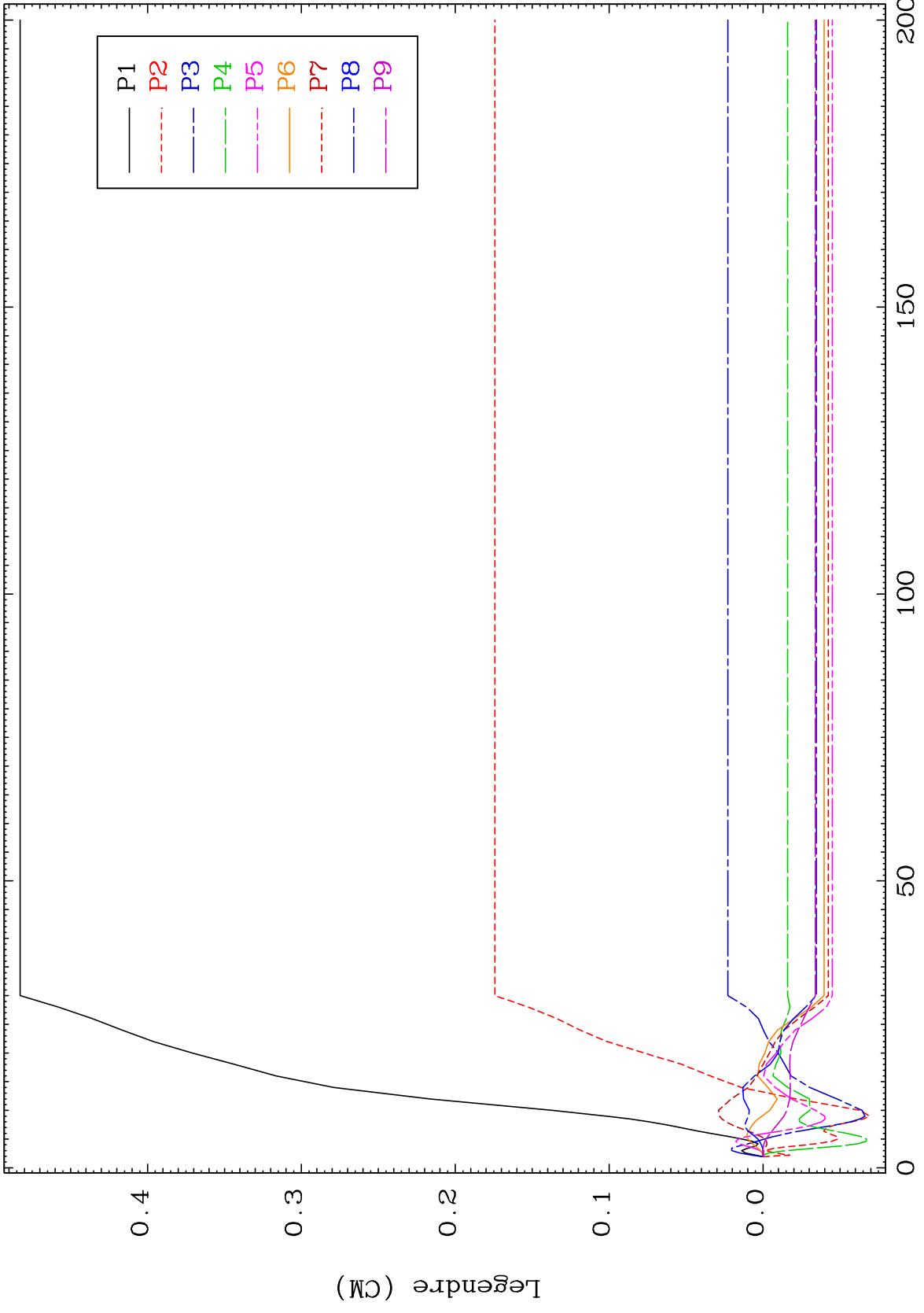
63 80-Hg-188

MAT 8001 MT= 62 (n,n') Level Legendre Coefficients 80-Hg-188



64 80-Hg-188

MAT 8001 MT= 63 (n,n') Level Legendre Coefficients 80-Hg-188

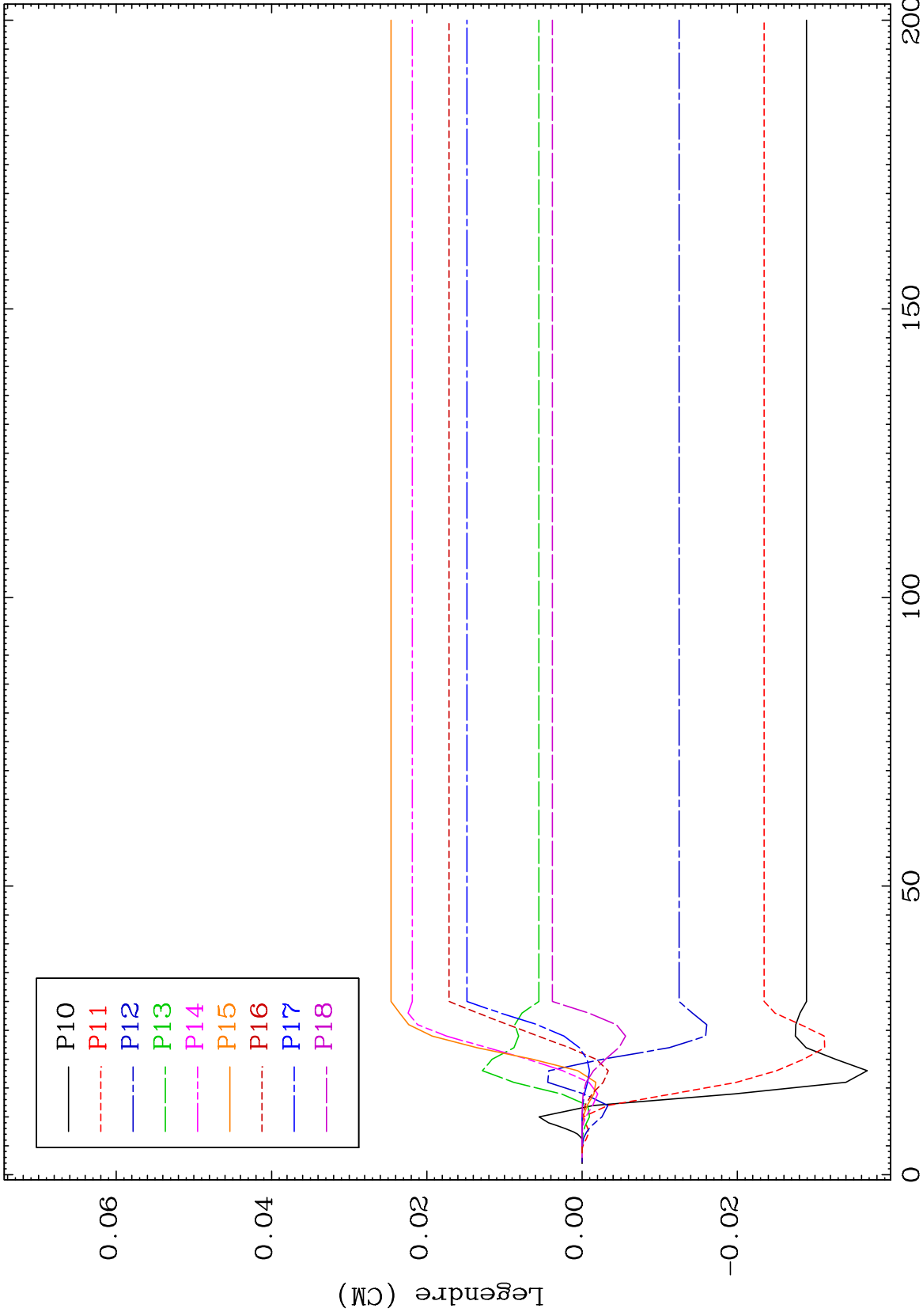


65 80-Hg-188

MAT 8001

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

80-Hg-188



66

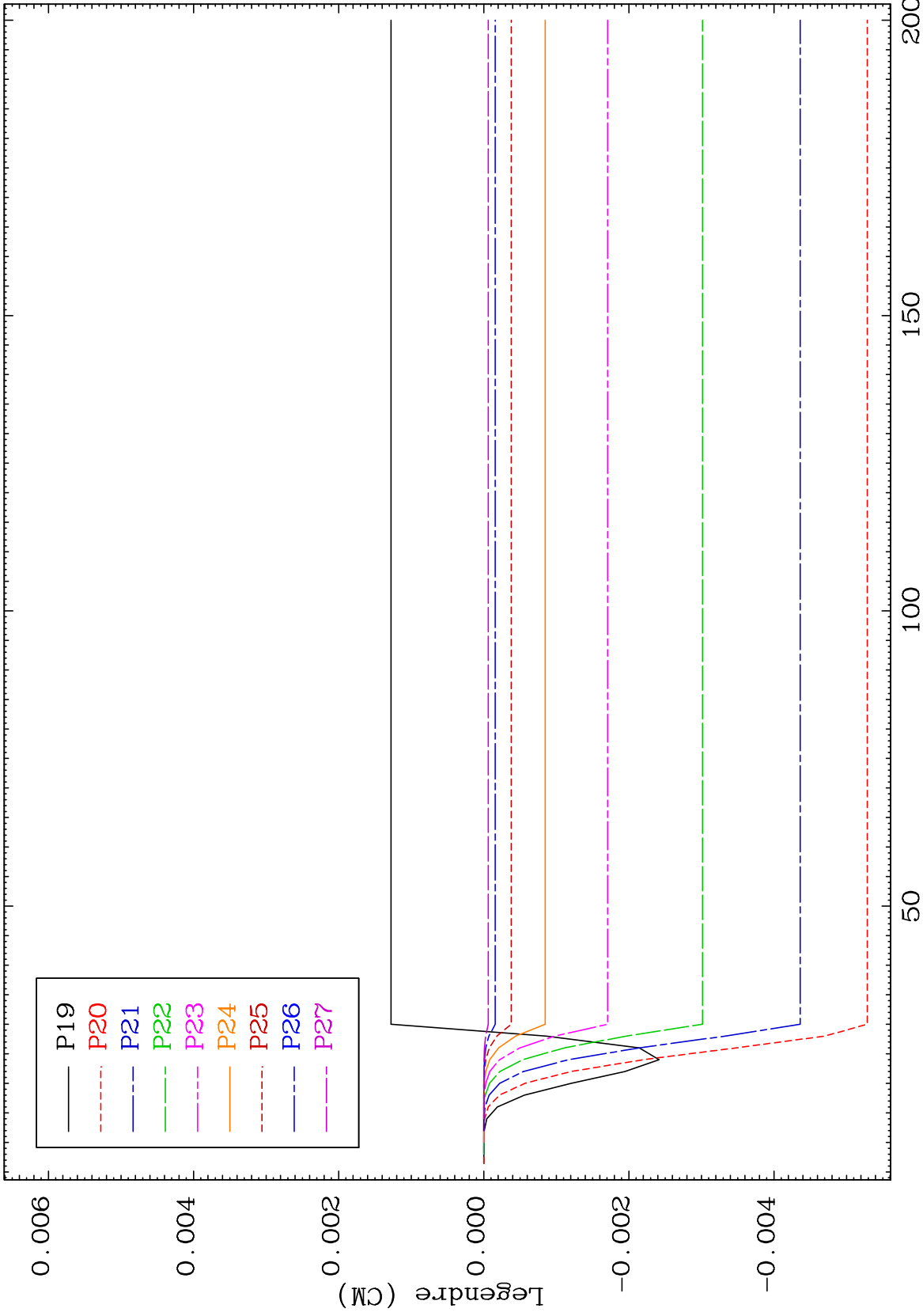
Incident Energy (MeV)

80-Hg-188

MAT 8001

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

80-Hg-188

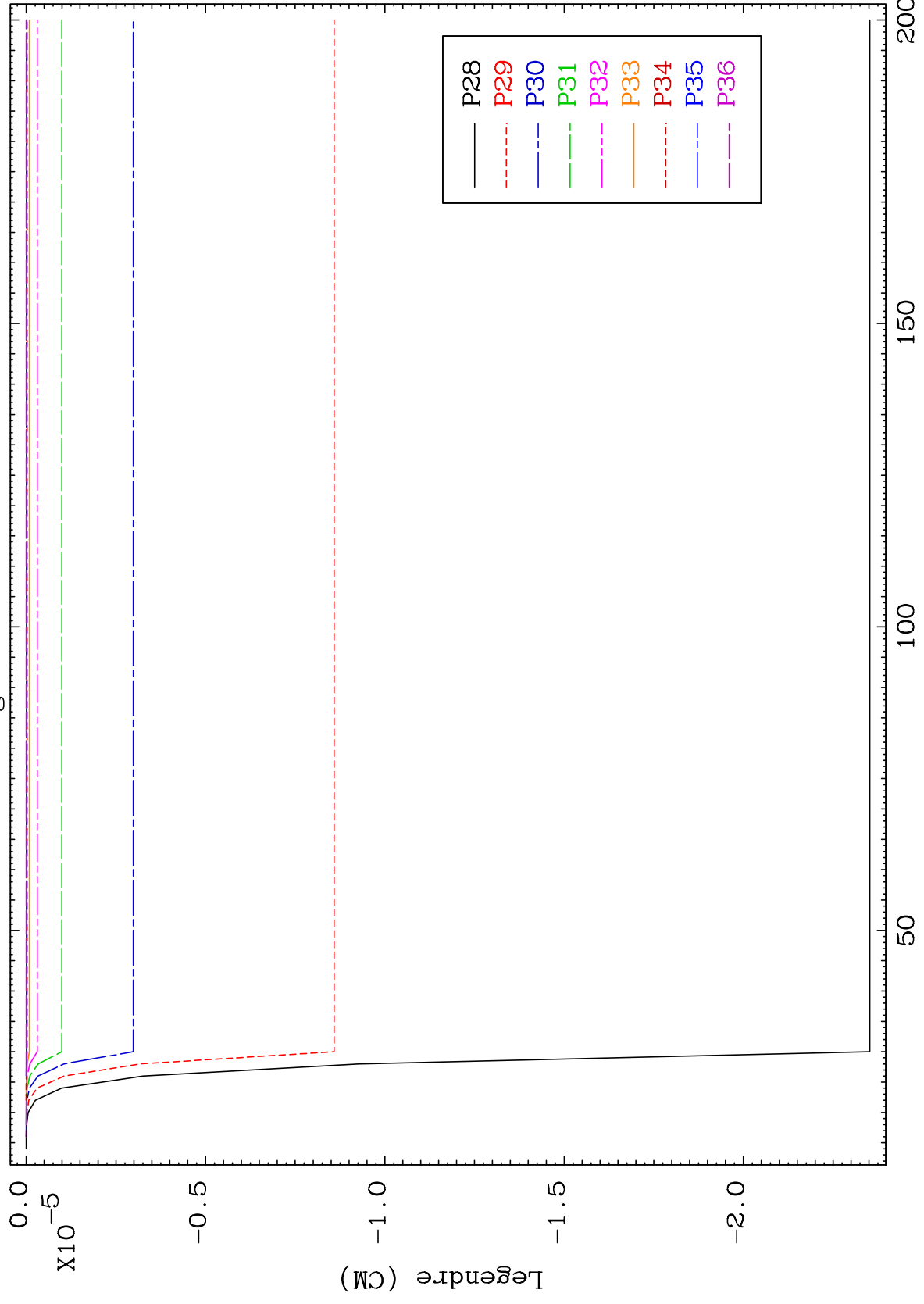


67

Incident Energy (MeV)

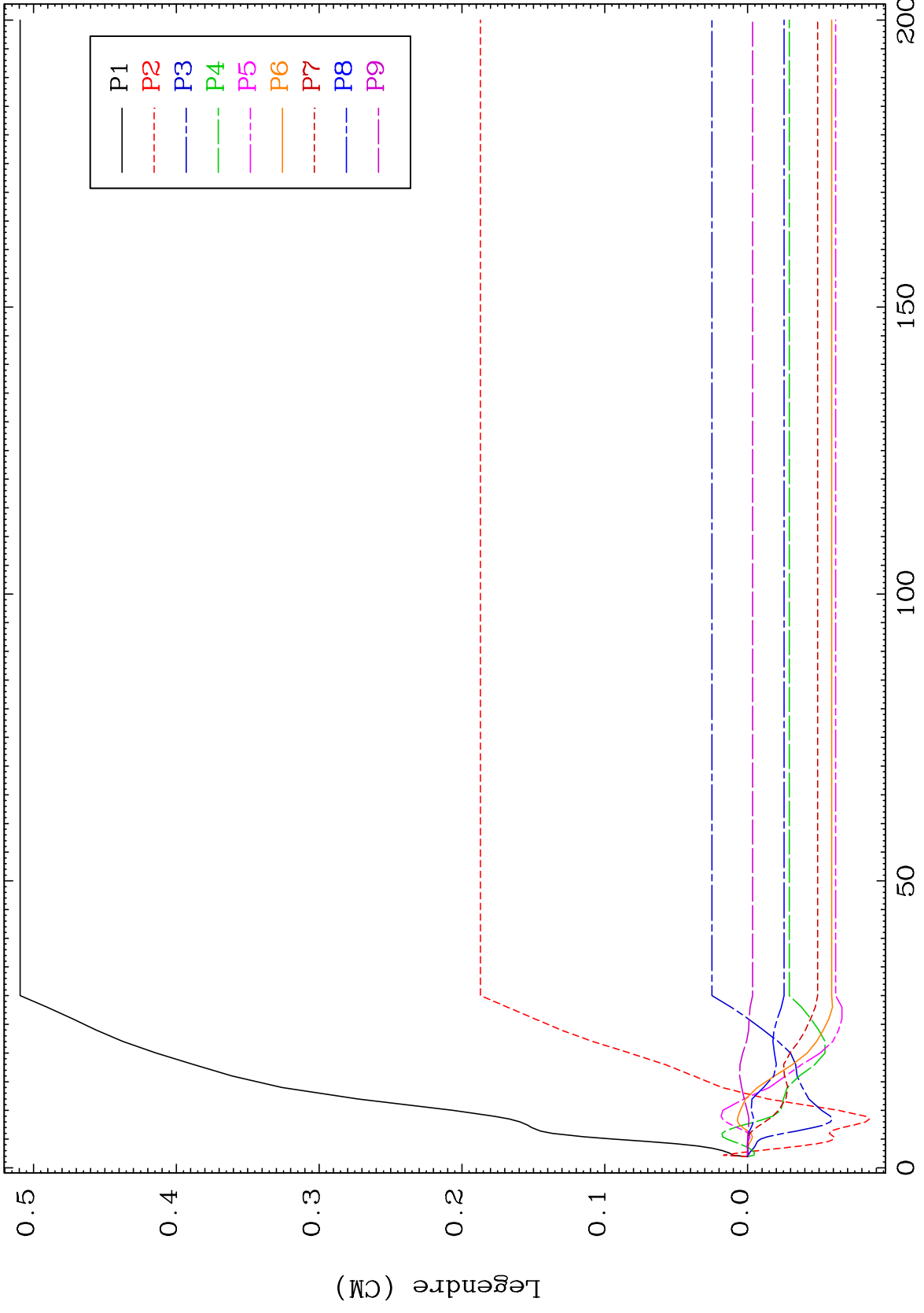
80-Hg-188

MAT 8001 MT= 63 (n,n') Level Legendre Coefficients 80-Hg-188

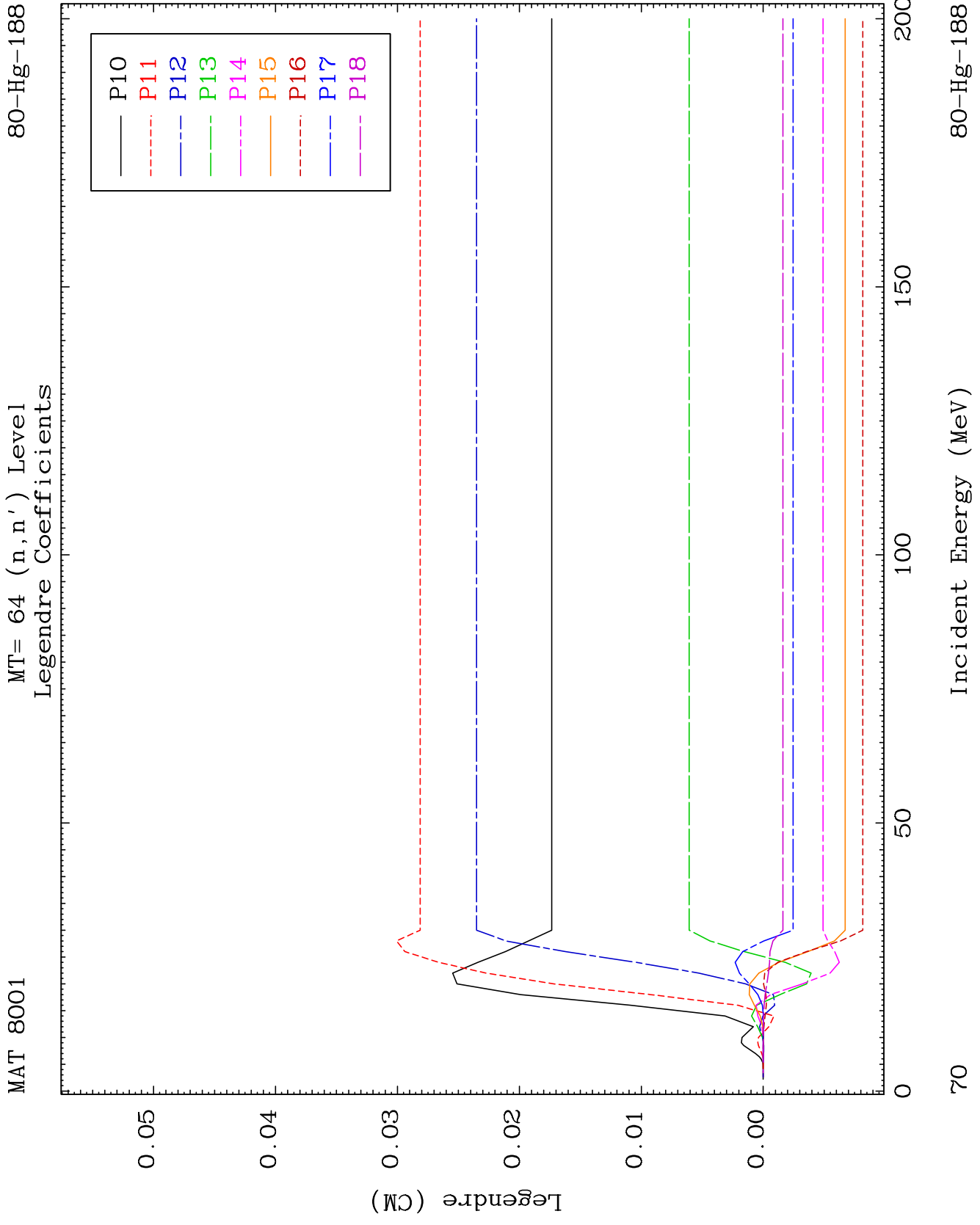


68 80-Hg-188

MAT 8001 MT= 64 (n,n') Level Legendre Coefficients 80-Hg-188



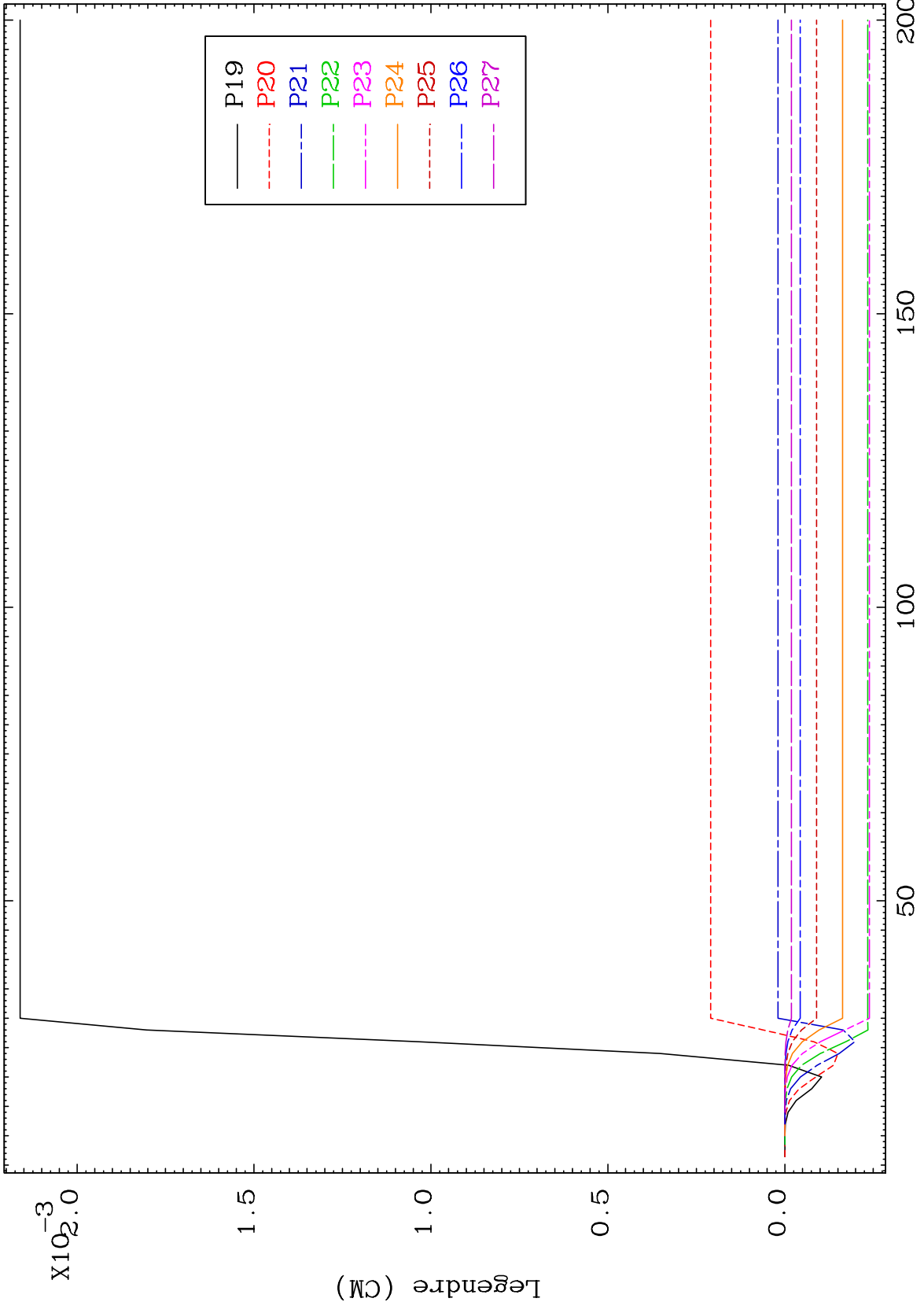
69 80-Hg-188



MAT 8001

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

80-Hg-188



80-Hg-188

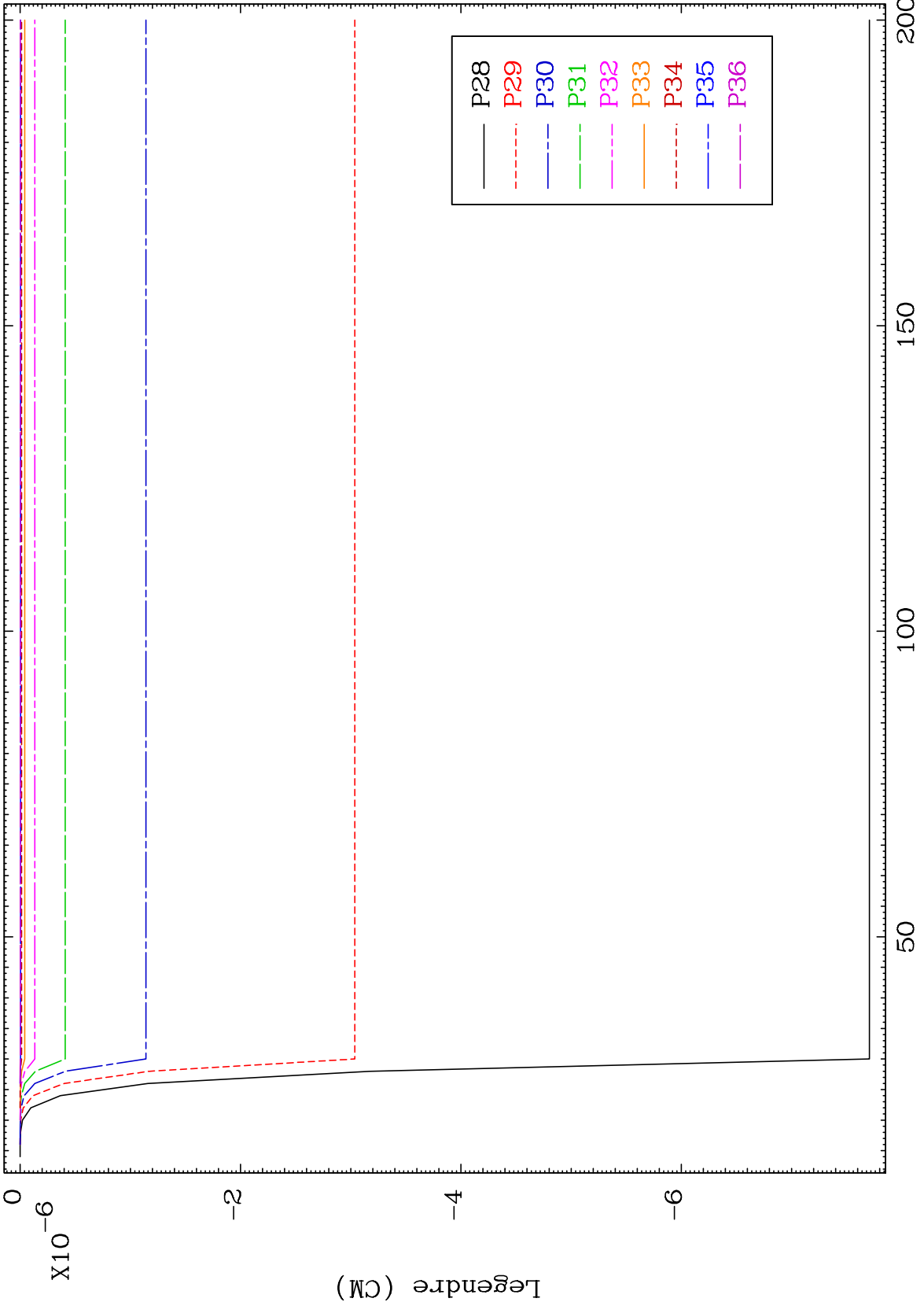
Incident Energy (MeV)

71

MAT 8001

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

80-Hg-188

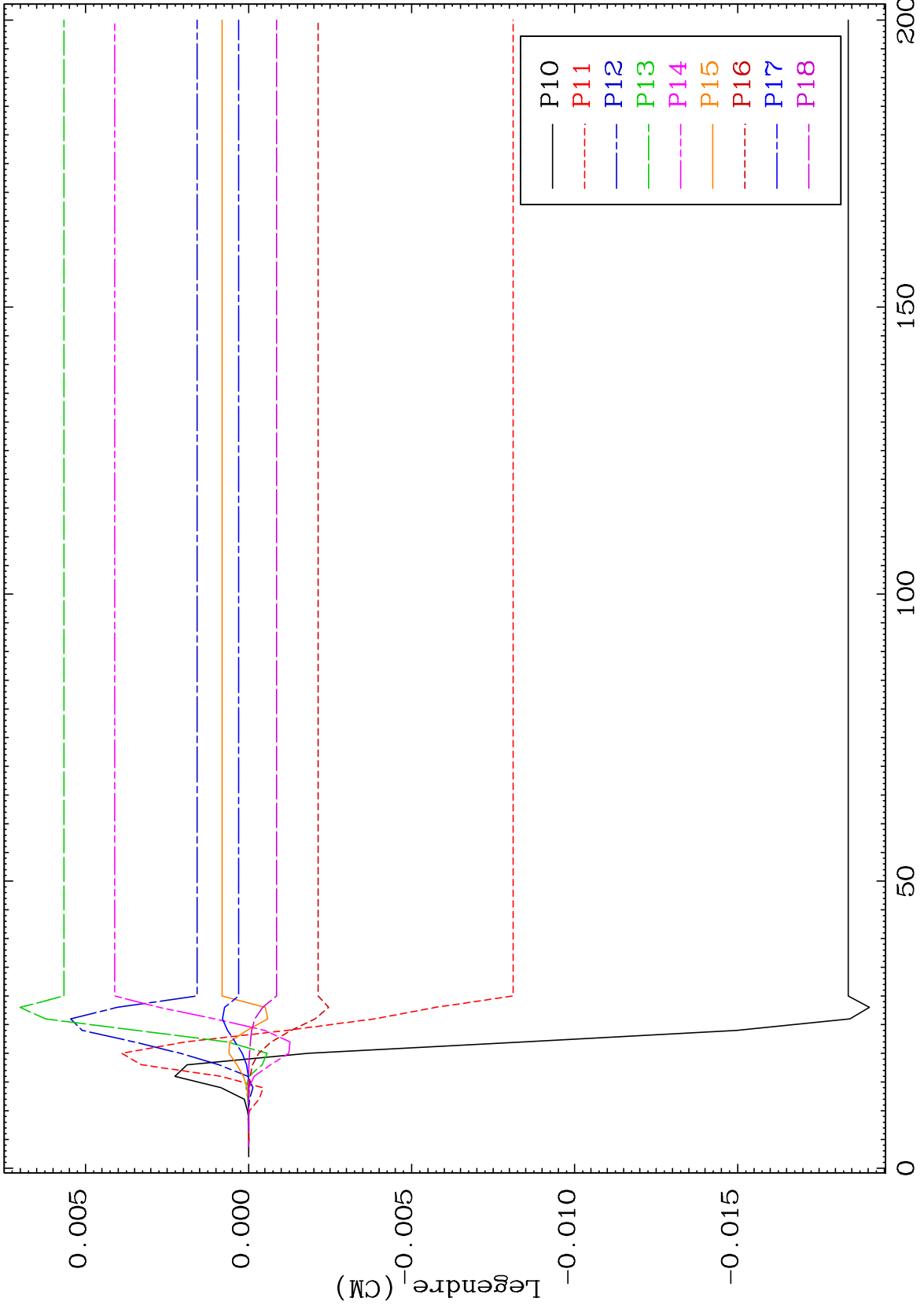


80-Hg-188

Incident Energy (MeV)

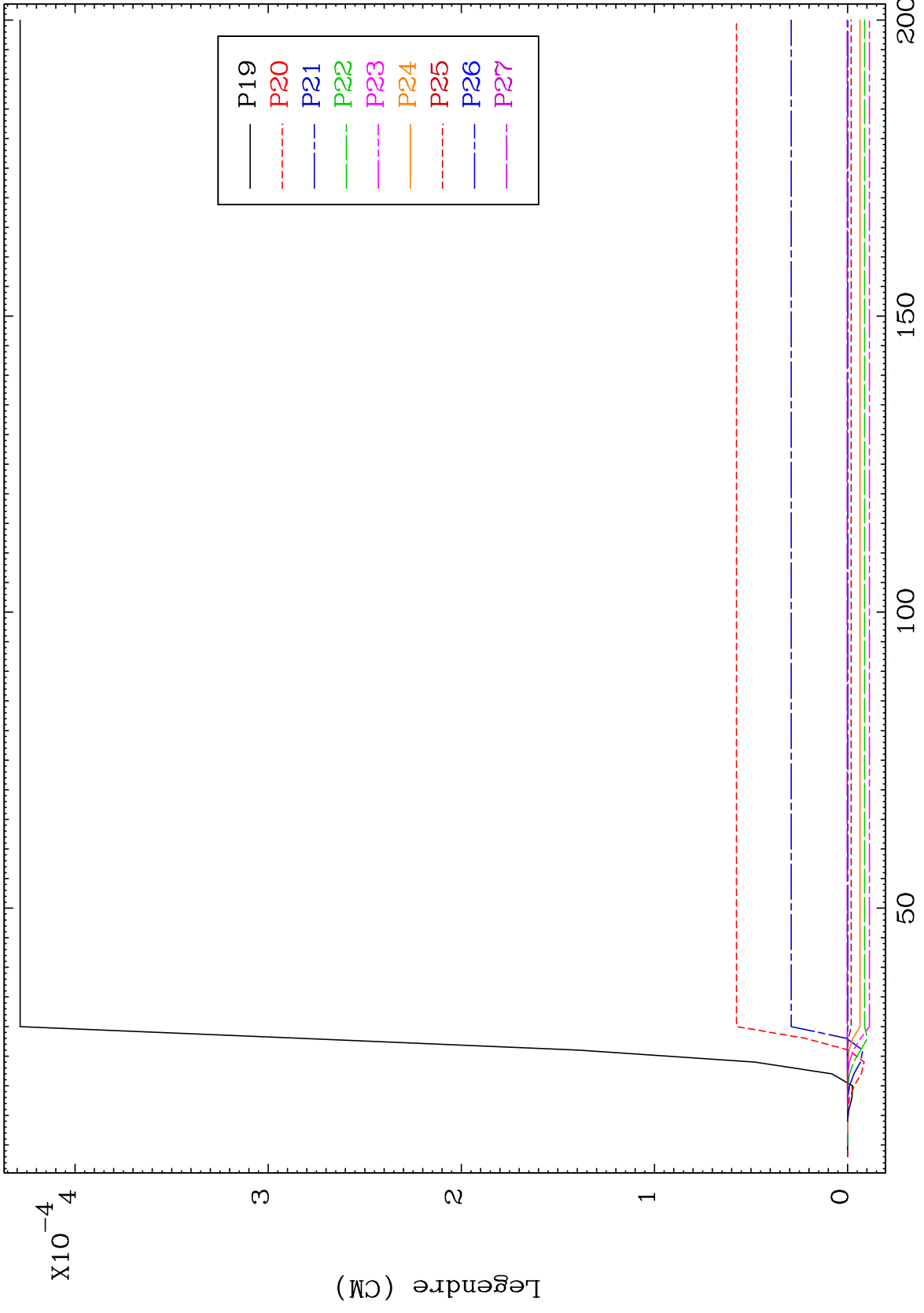
72

MAT 8001 MT= 65 (n,n') Level Legendre Coefficients 80-Hg-188



74 80-Hg-188

MAT 8001 MT= 65 (n,n') Level Legendre Coefficients 80-Hg-188

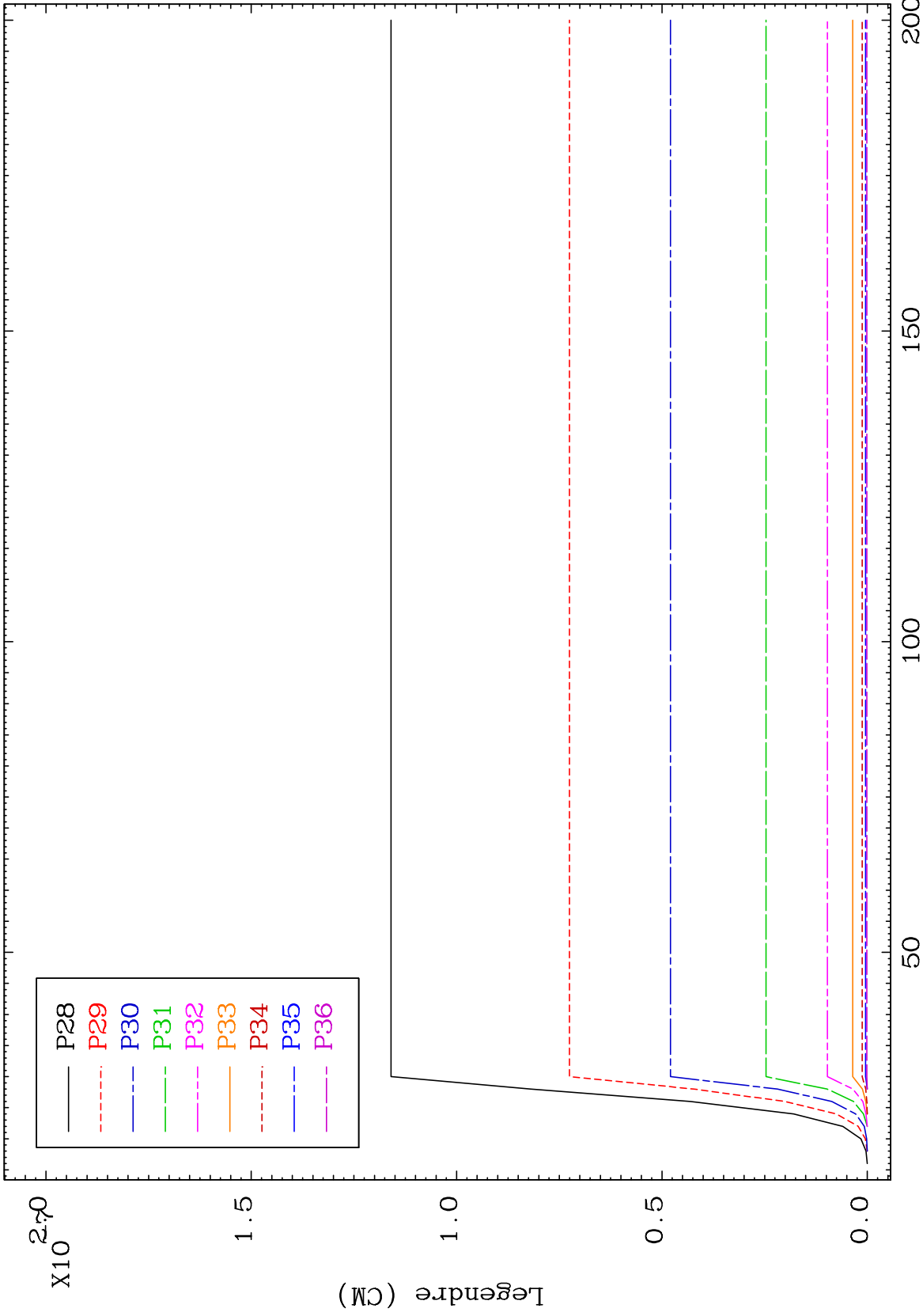


75 Incident Energy (MeV) 80-Hg-188

MAT 8001

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

80-Hg-188

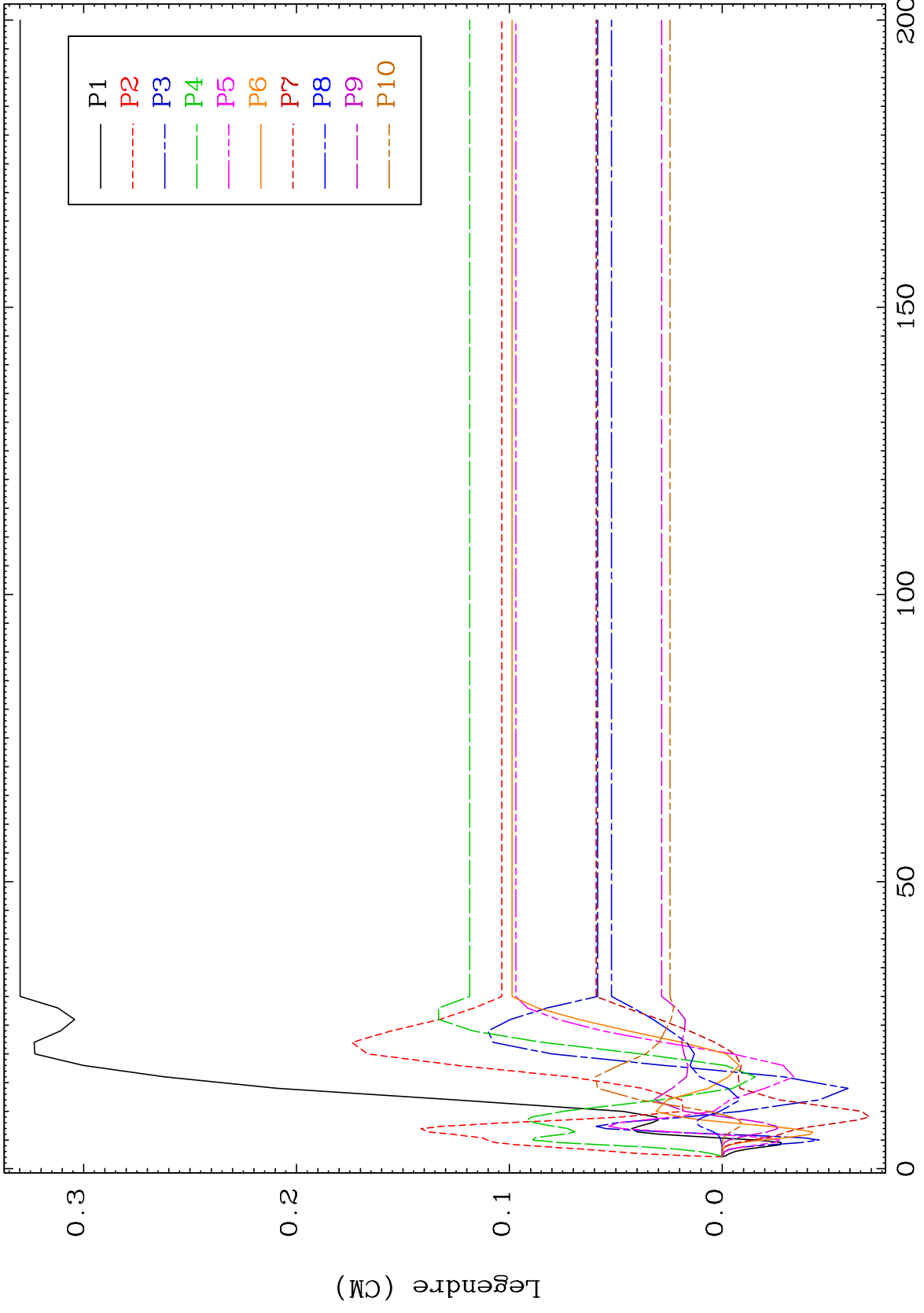


76

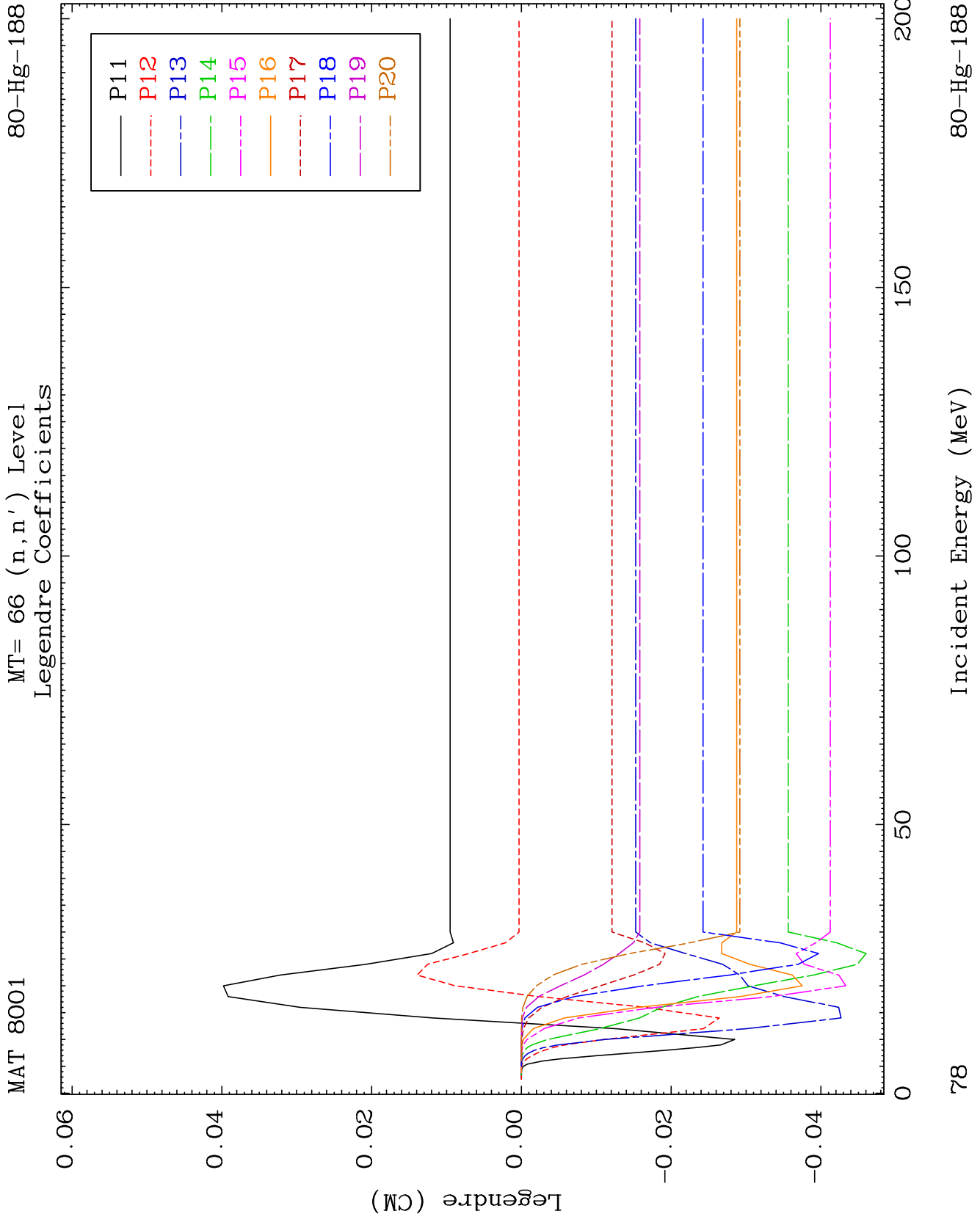
Incident Energy (MeV)

80-Hg-188

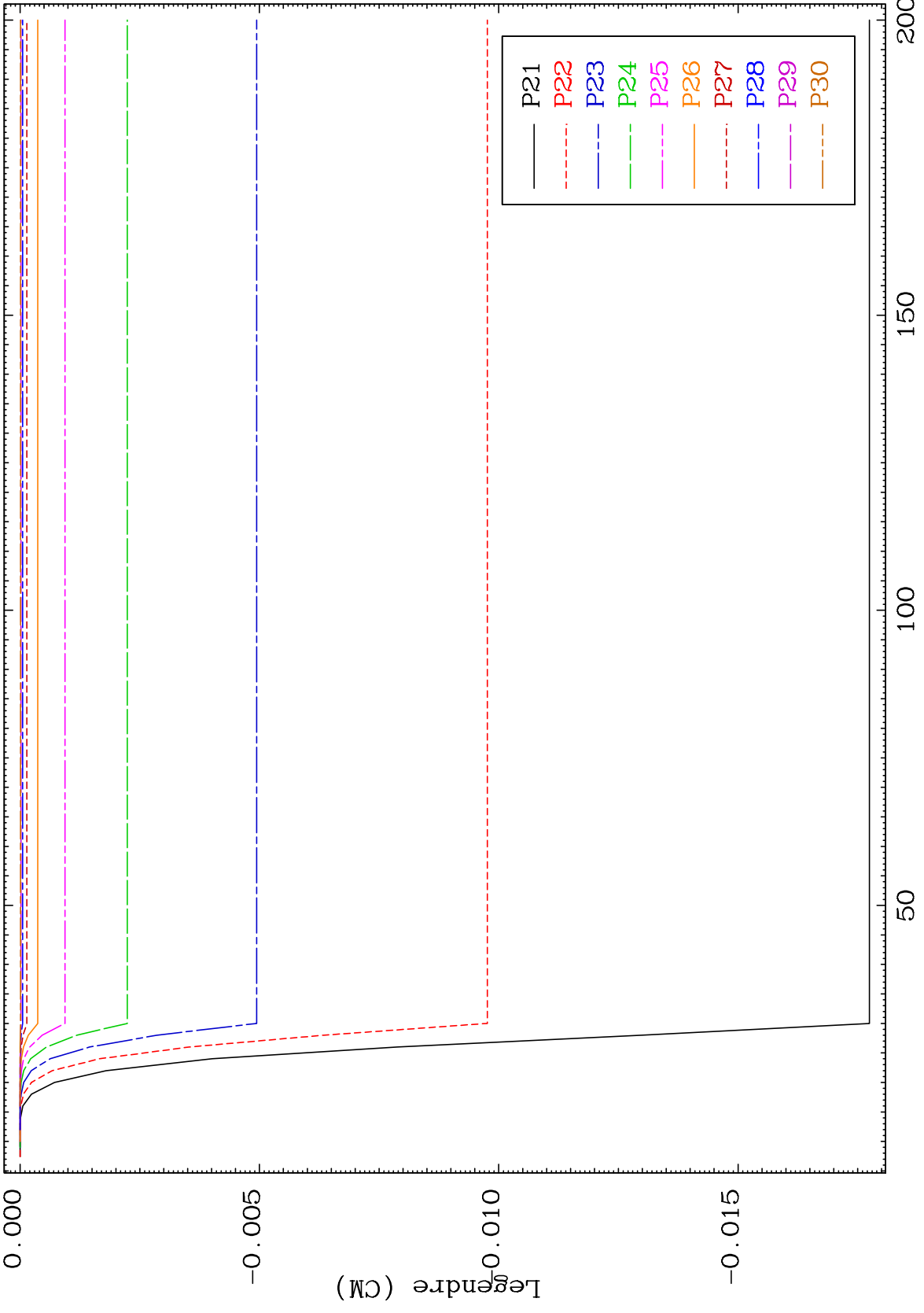
MAT 8001 MT= 66 (n,n') Level Legendre Coefficients 80-Hg-188



77 80-Hg-188



MAT 8001 MT= 66 (n,n') Level Legendre Coefficients 80-Hg-188

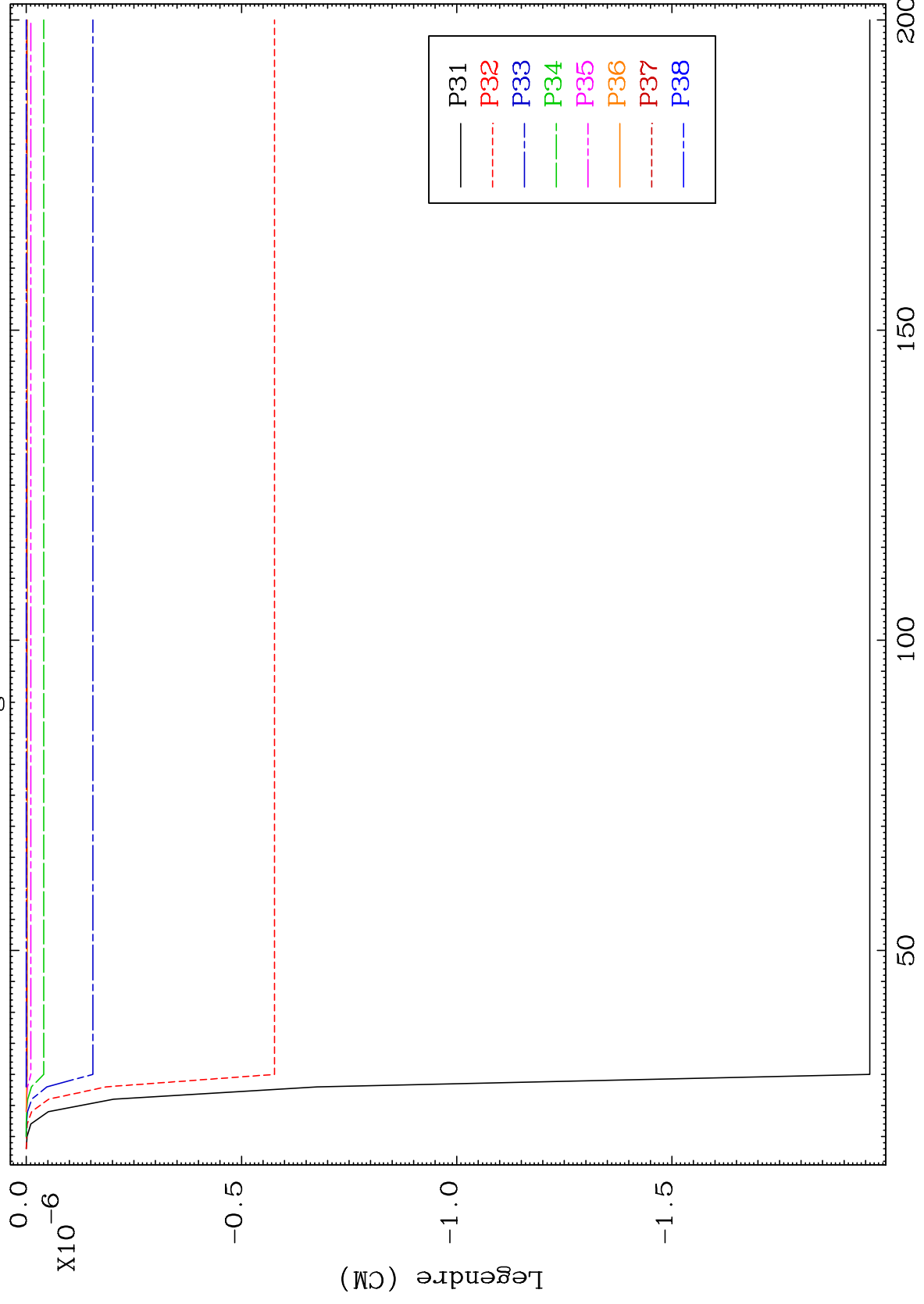


79 80-Hg-188

MAT 8001

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

80-Hg-188

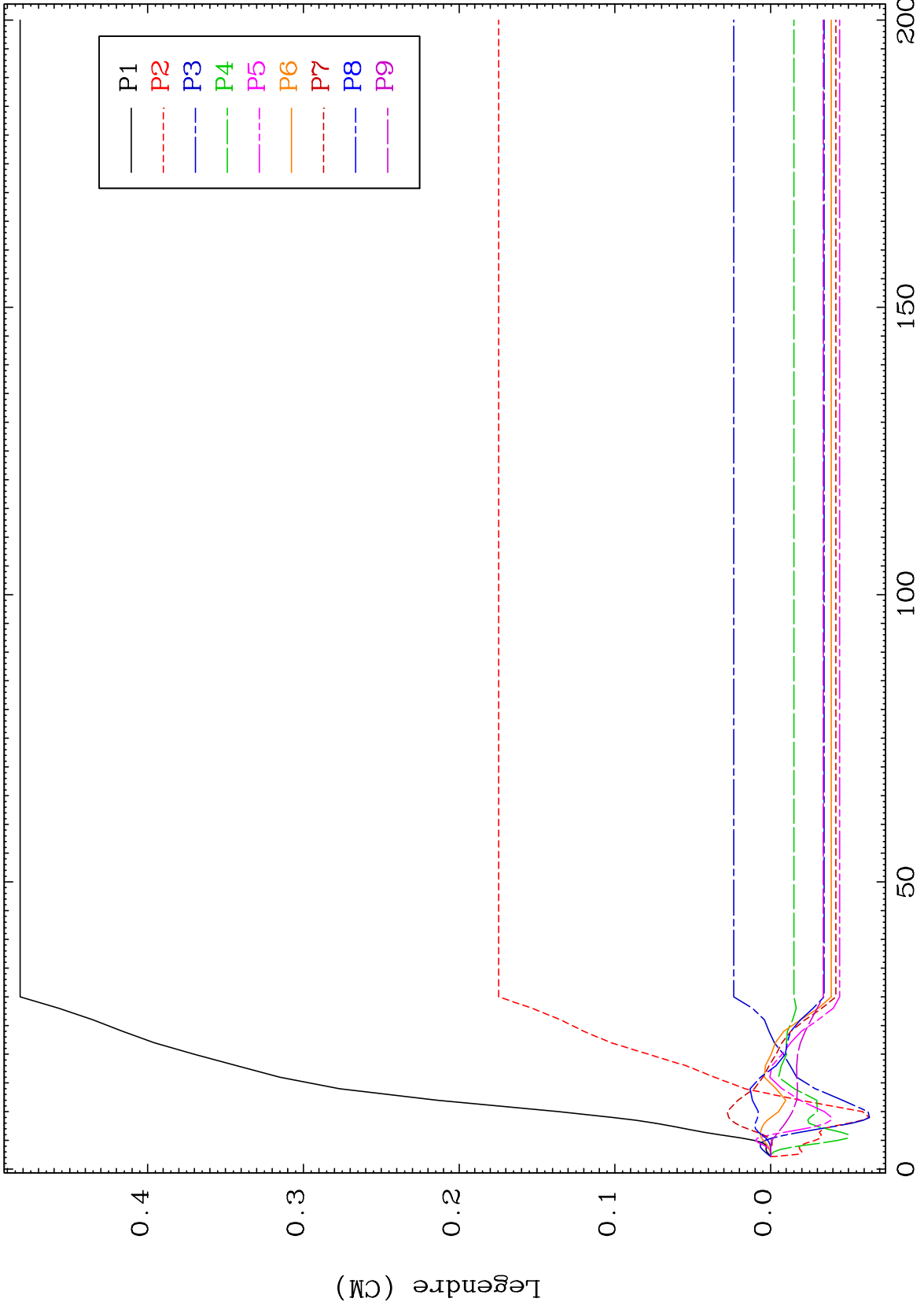


80-Hg-188

Incident Energy (MeV)

80

MAT 8001 MT= 67 (n,n') Level Legendre Coefficients 80-Hg-188

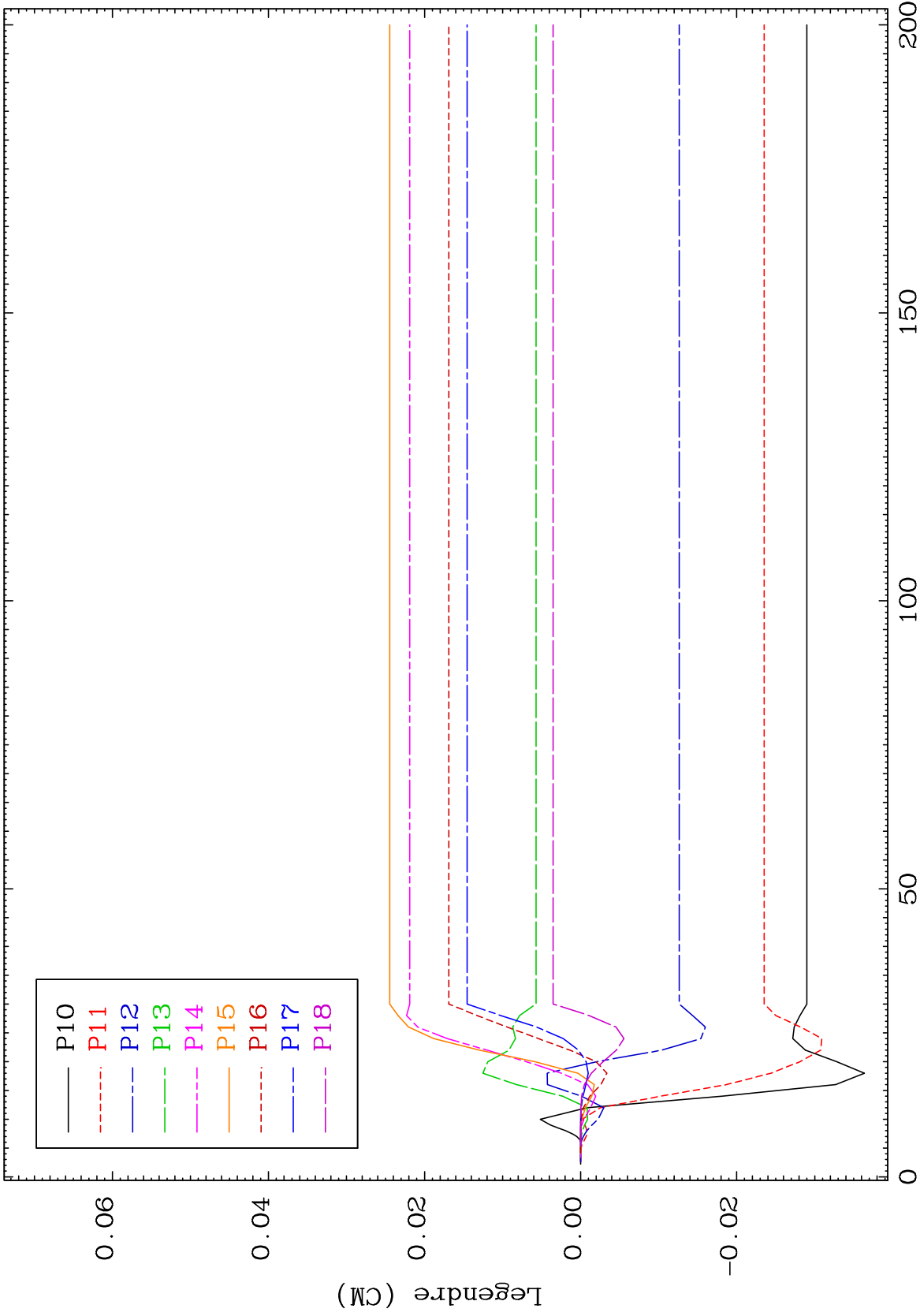


81 80-Hg-188

MAT 8001

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

80-Hg-188



82

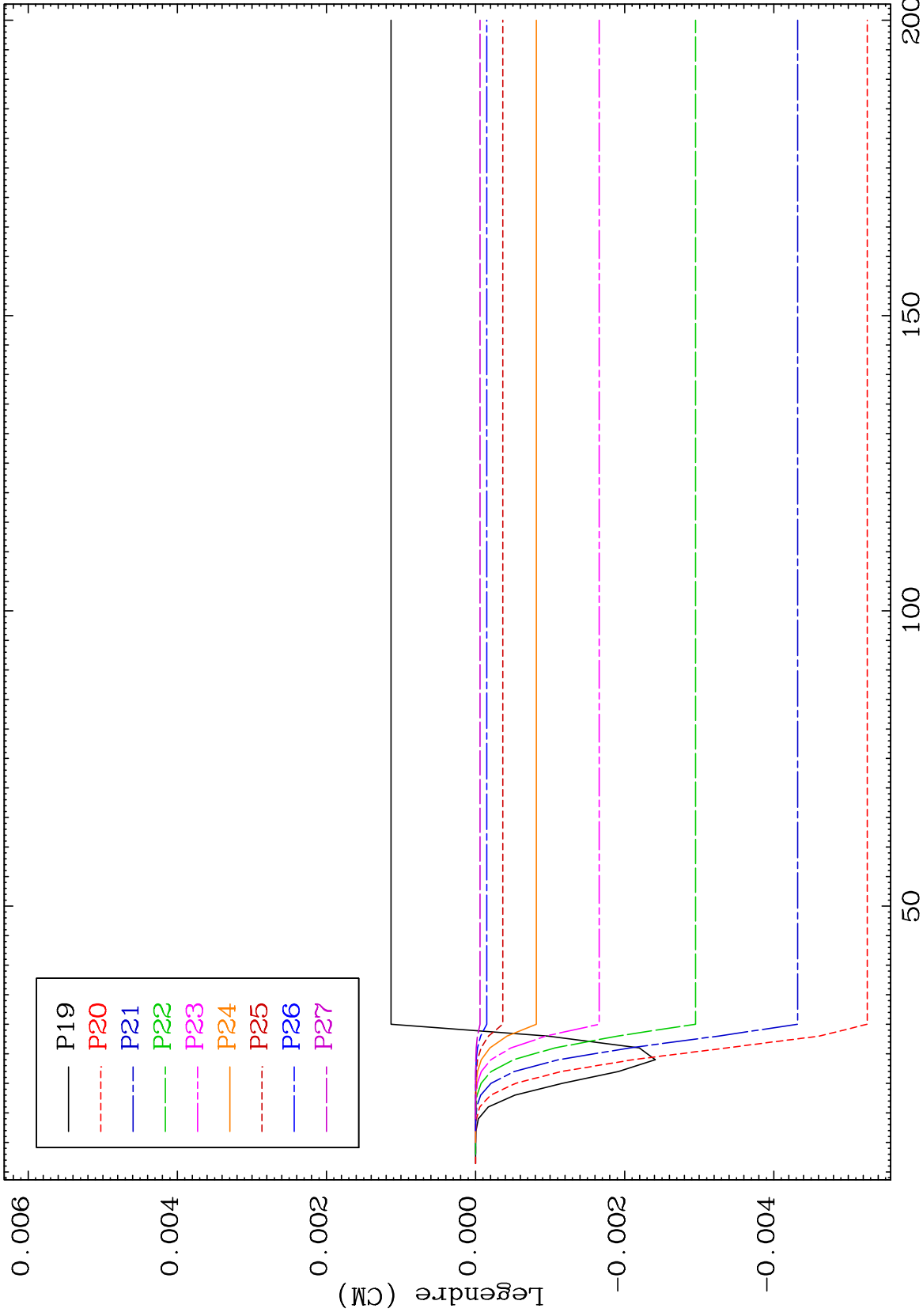
Incident Energy (MeV)

80-Hg-188

MAT 8001

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

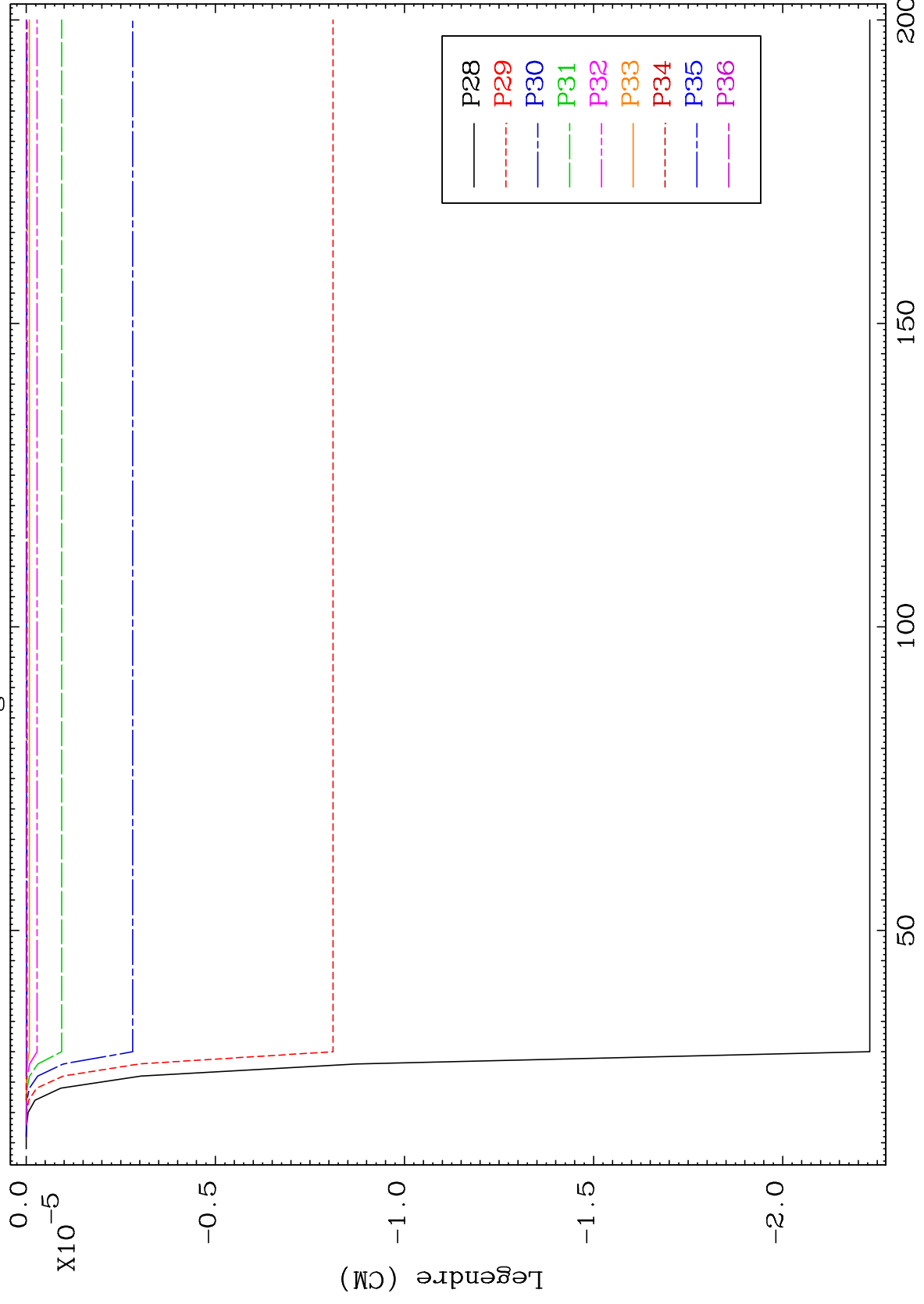
80-Hg-188



MAT 8001

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

80-Hg-188



80-Hg-188

Incident Energy (MeV)

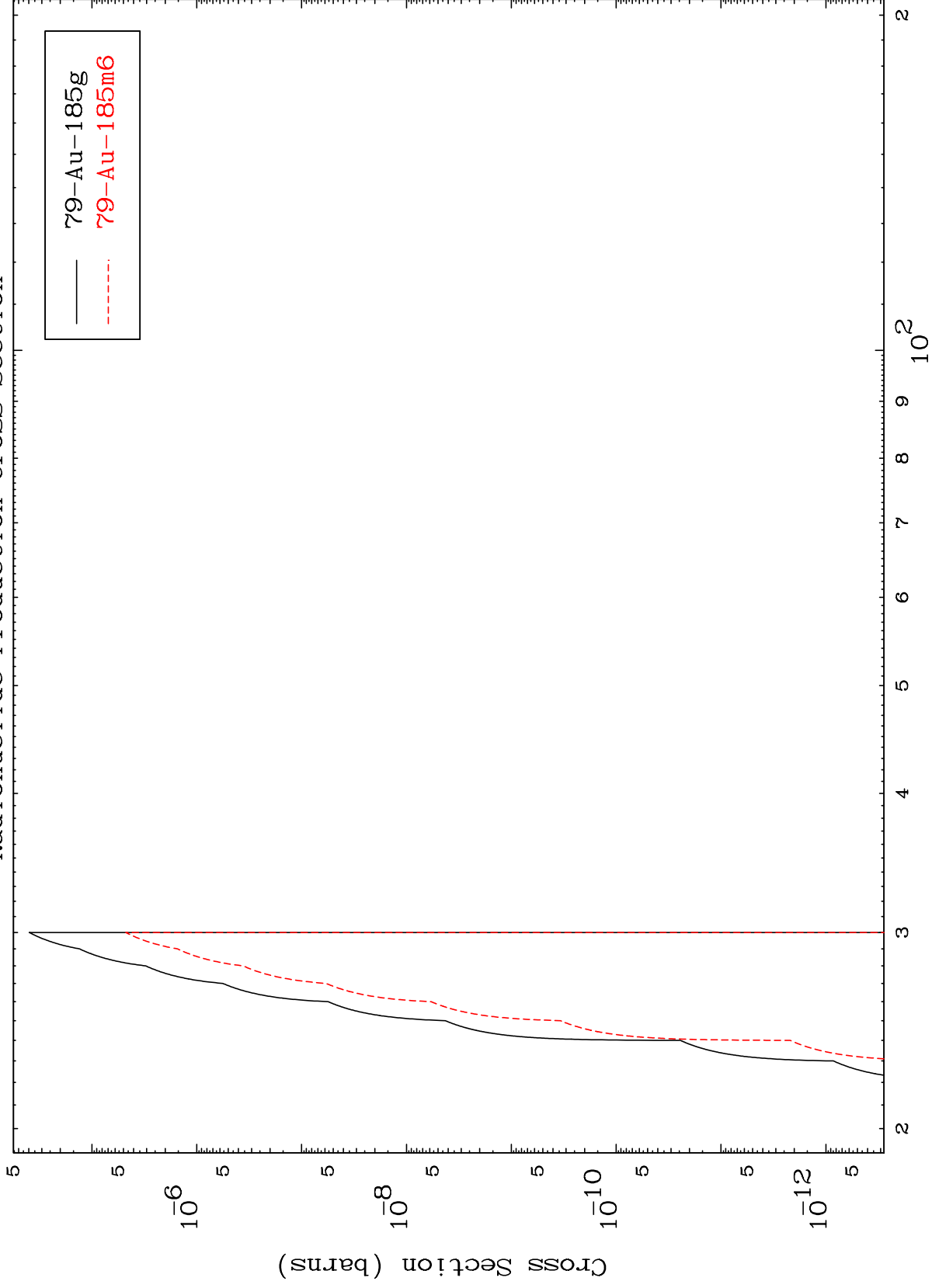
84

MAT 8001

(n,2n) d

80-Hg-188

Radionuclide Production Cross Section



85

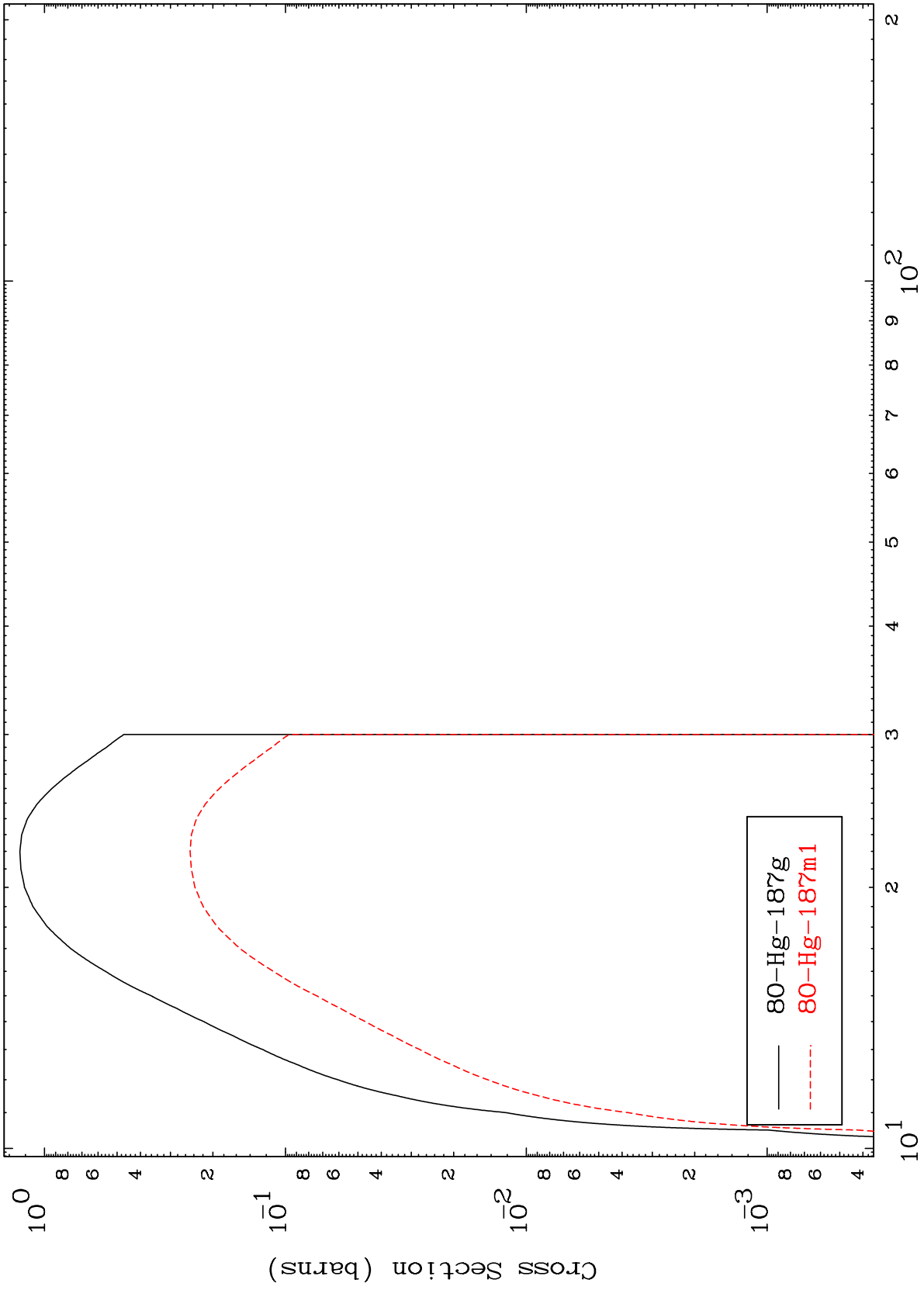
Incident Energy (MeV)

80-Hg-188

MAT 8001

80-Hg-188

(n,2n)
Radionuclide Production Cross Section



— 80-Hg-187g
- - - 80-Hg-187m1

86

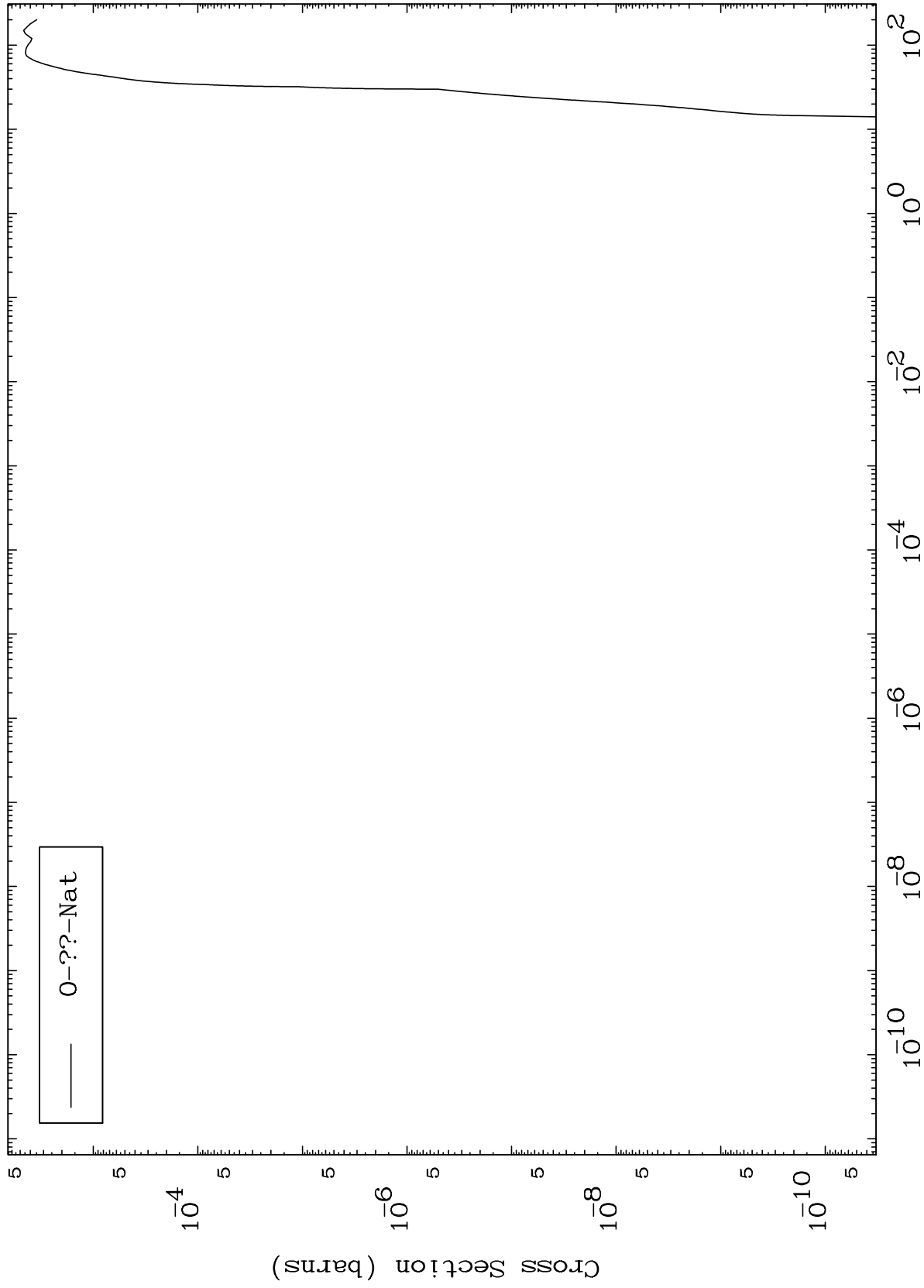
Incident Energy (MeV)

80-Hg-188

MAT 8001

Fission
Radionuclide Production Cross Section

80-Hg-188



87

Incident Energy (MeV)

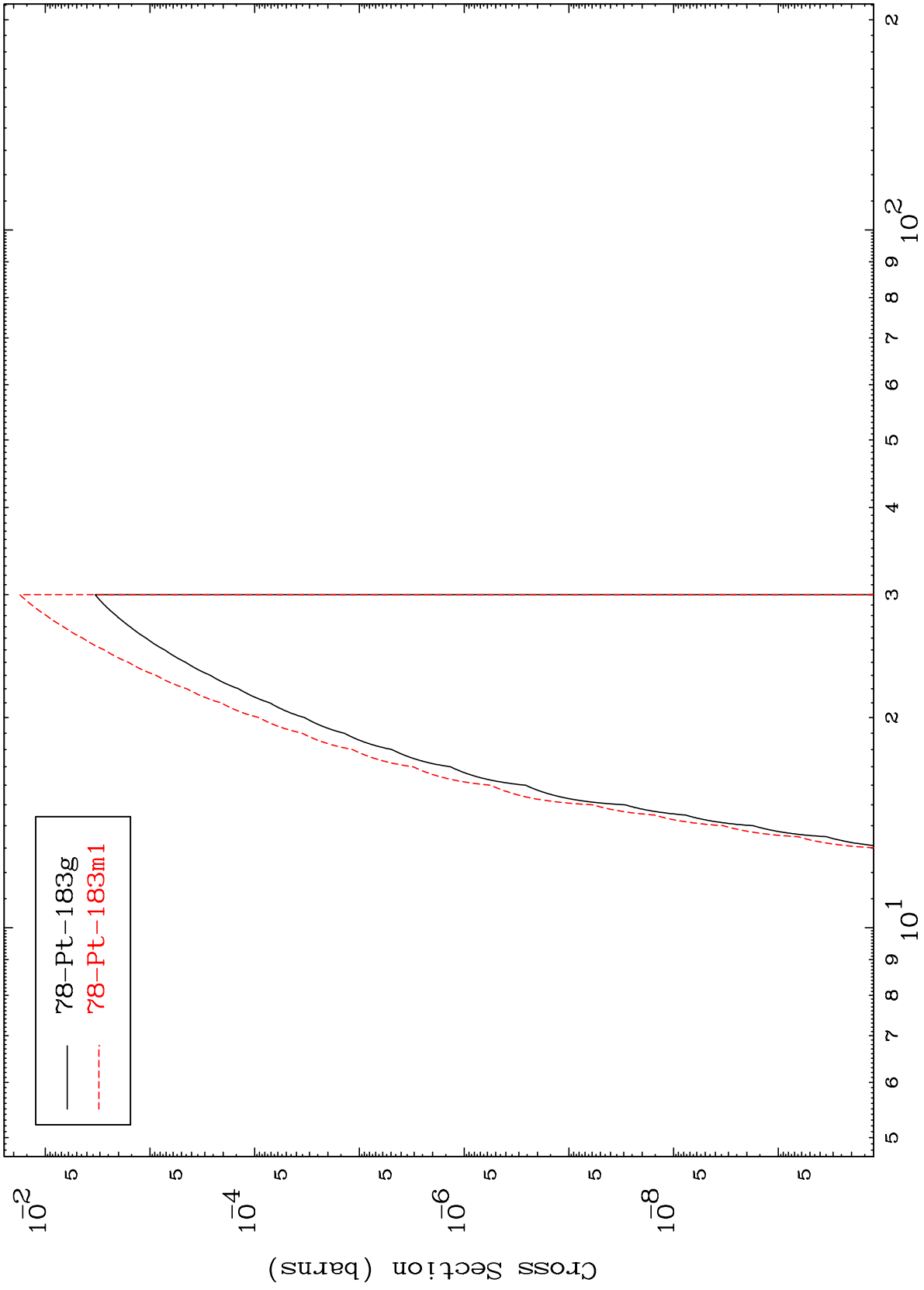
80-Hg-188

MAT 8001

(n,2n) α

80-Hg-188

Radionuclide Production Cross Section



78-Pt-183g
78-Pt-183m1

88

Incident Energy (MeV)

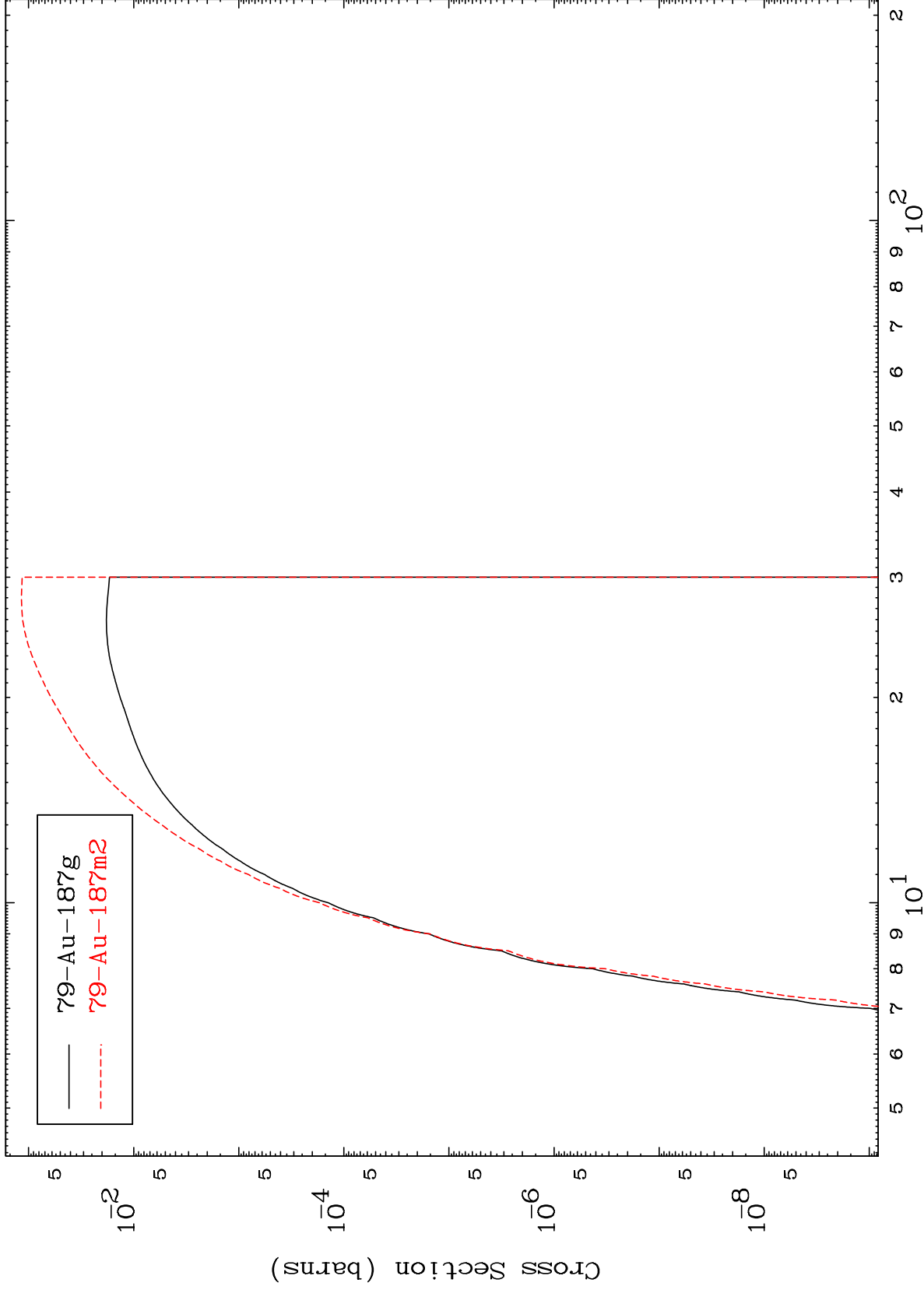
80-Hg-188

MAT 8001

(n,n') p

80-Hg-188

Radionuclide Production Cross Section



89

Incident Energy (MeV)

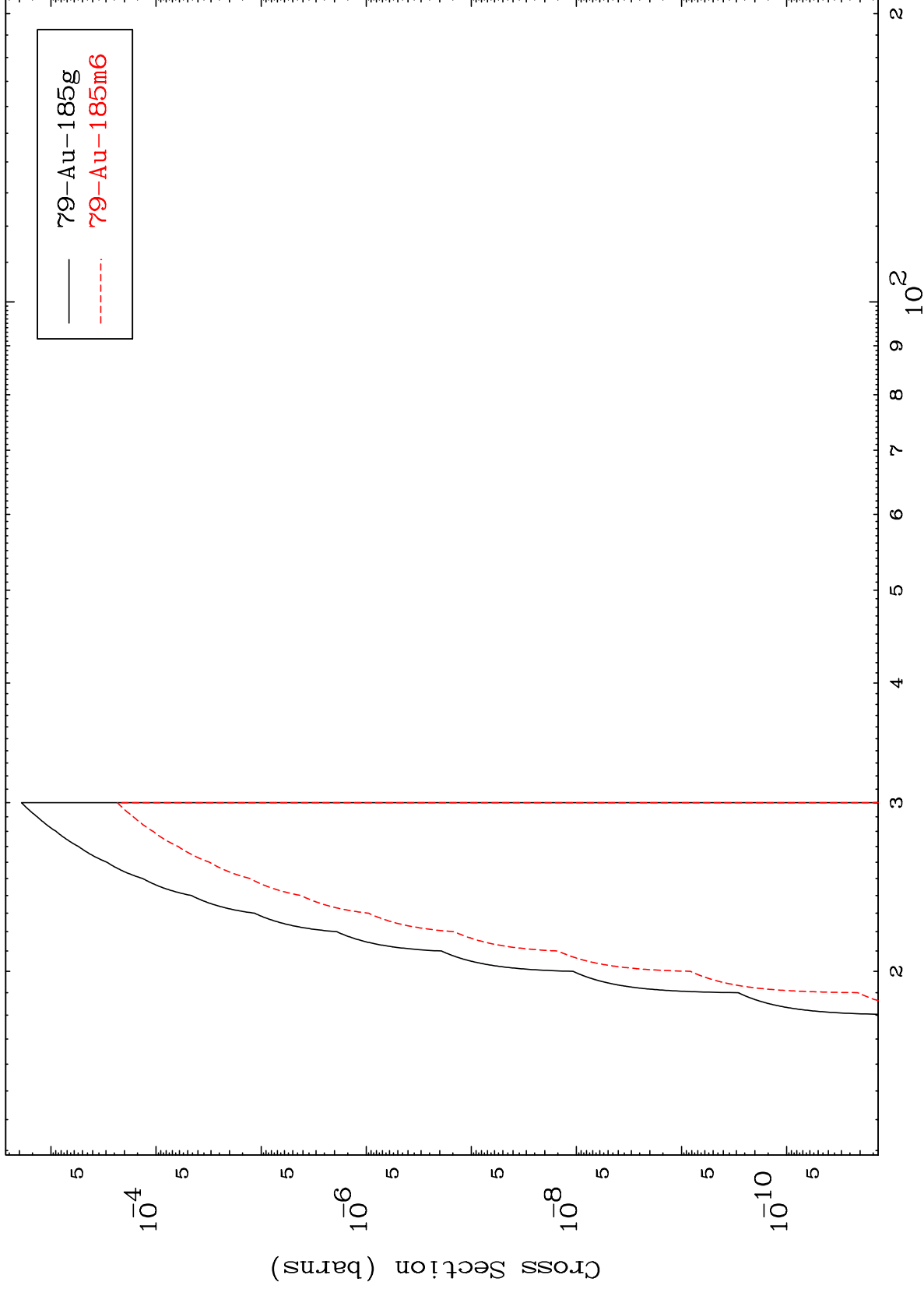
80-Hg-188

MAT 8001

(n,n') t

80-Hg-188

Radionuclide Production Cross Section



90

Incident Energy (MeV)

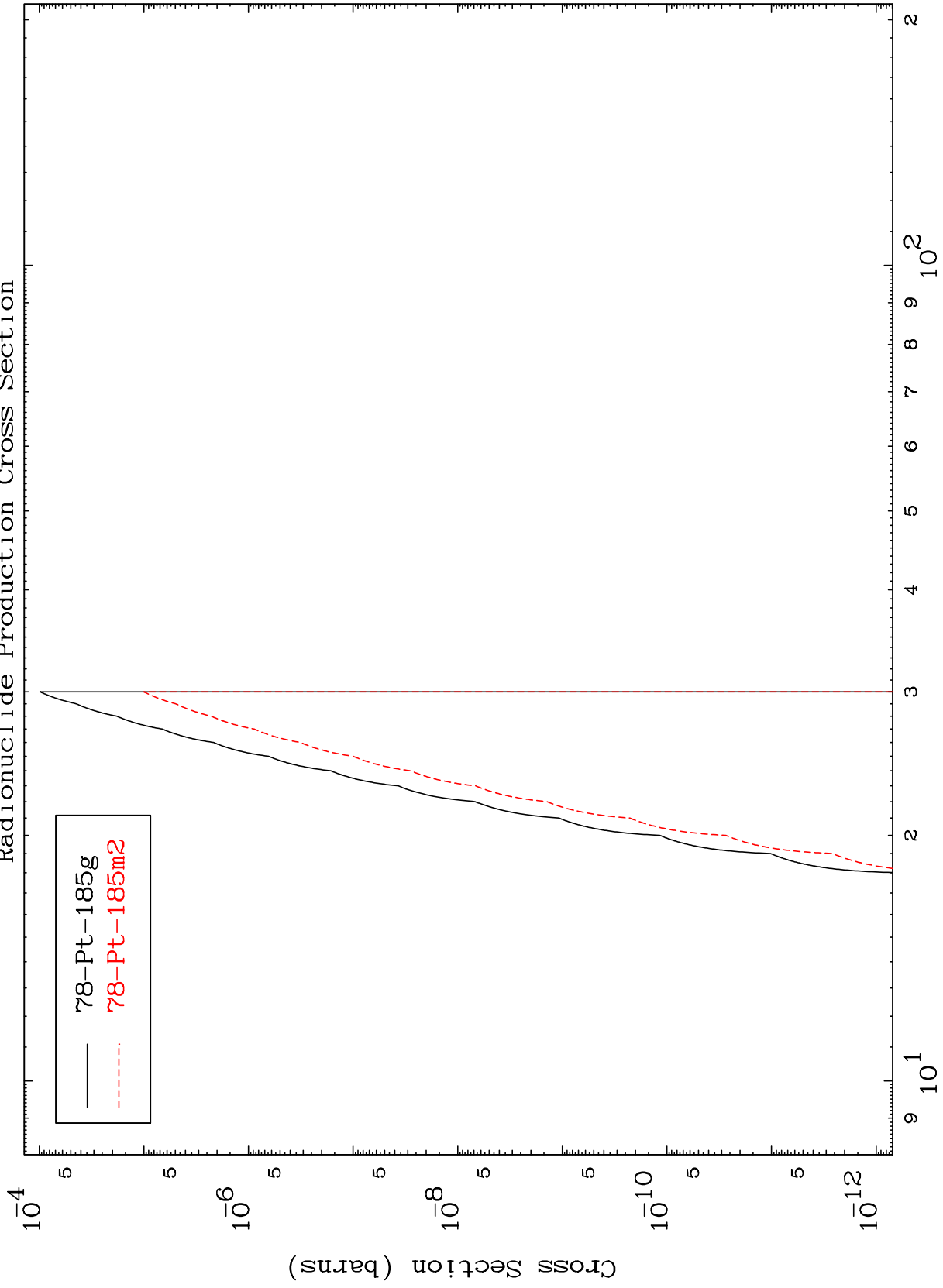
80-Hg-188

MAT 8001

(n, n') He-3

80-Hg-188

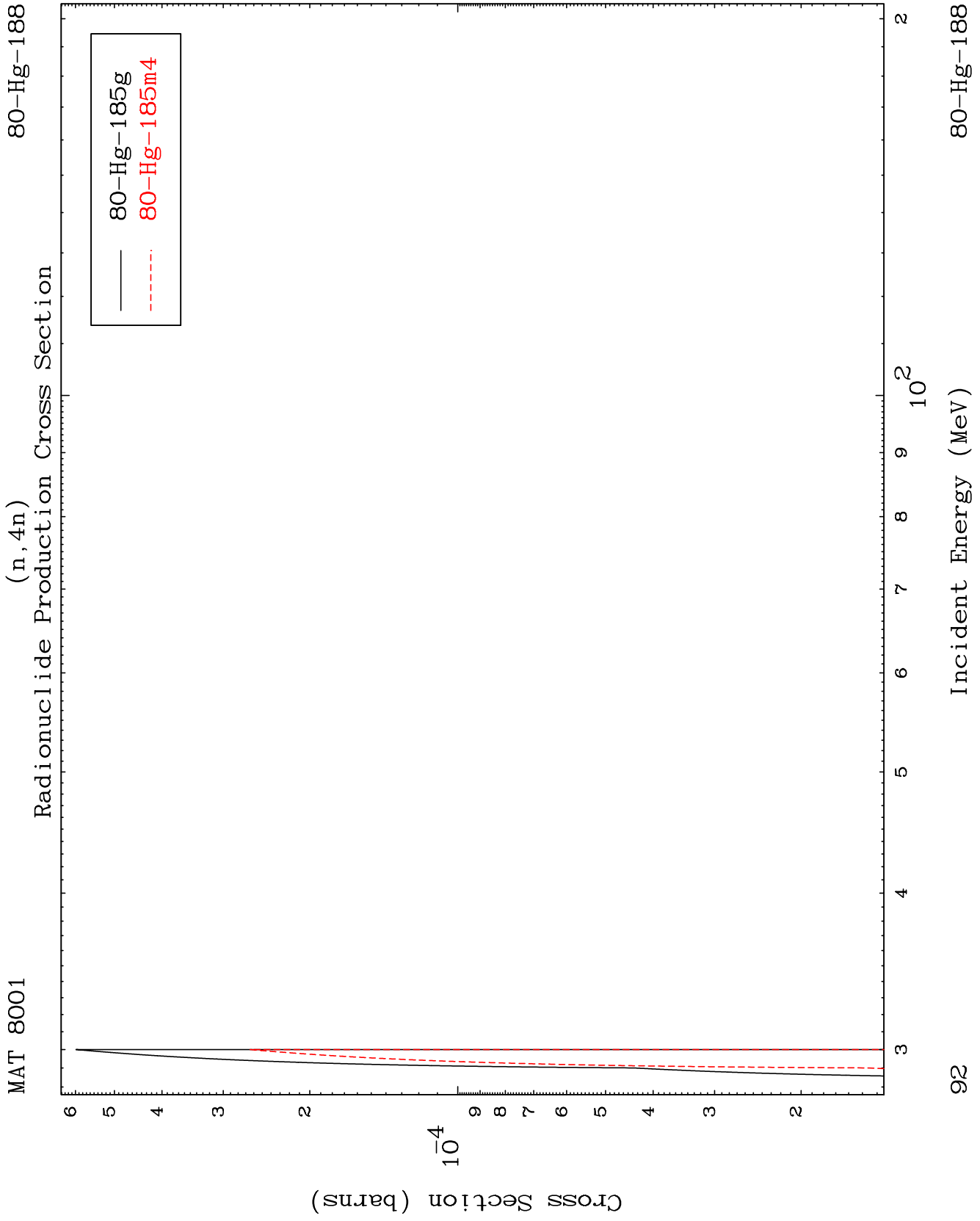
Radionuclide Production Cross Section



91

Incident Energy (MeV)

80-Hg-188

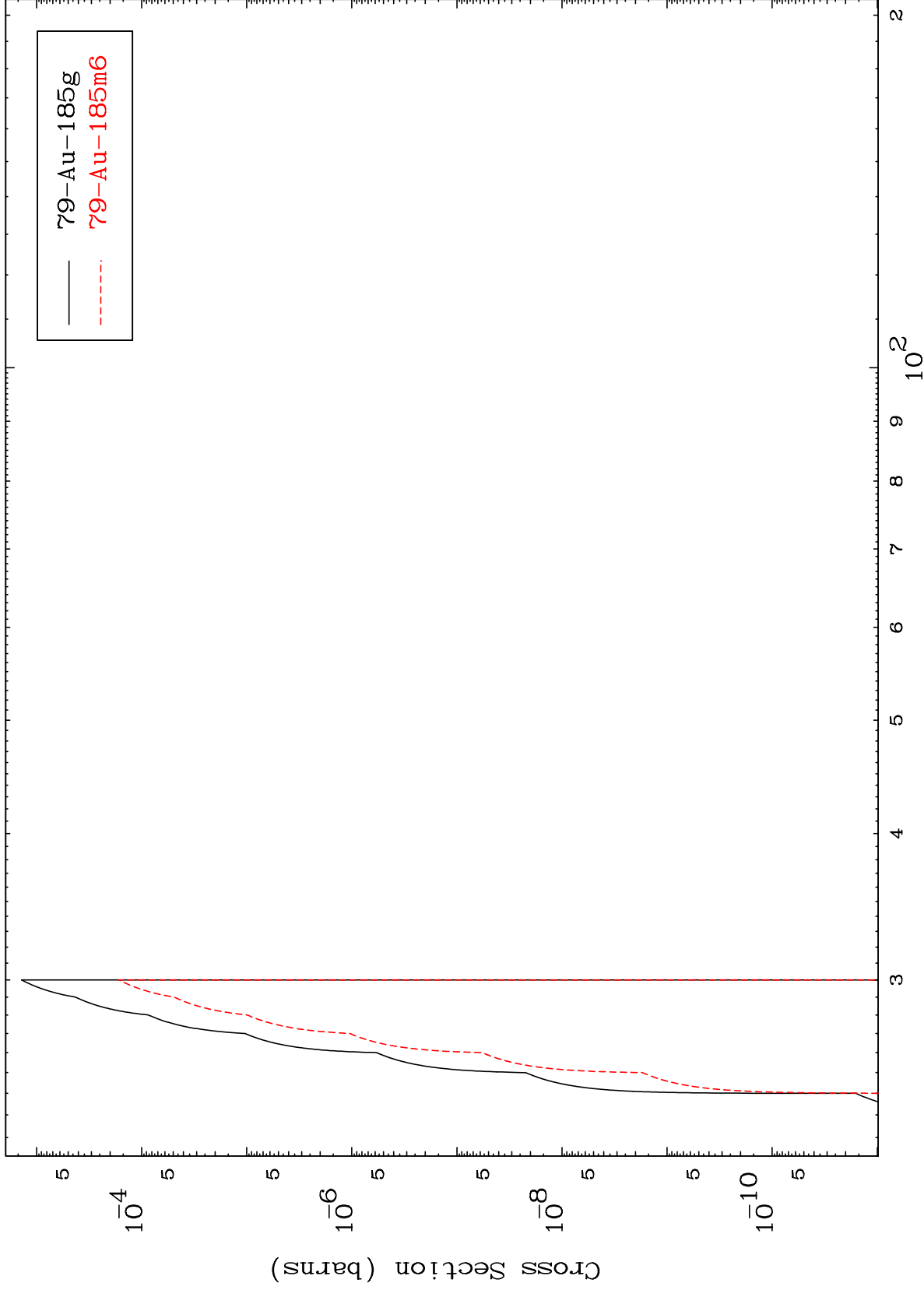


MAT 8001

(n,3n) p

80-Hg-188

Radionuclide Production Cross Section



93

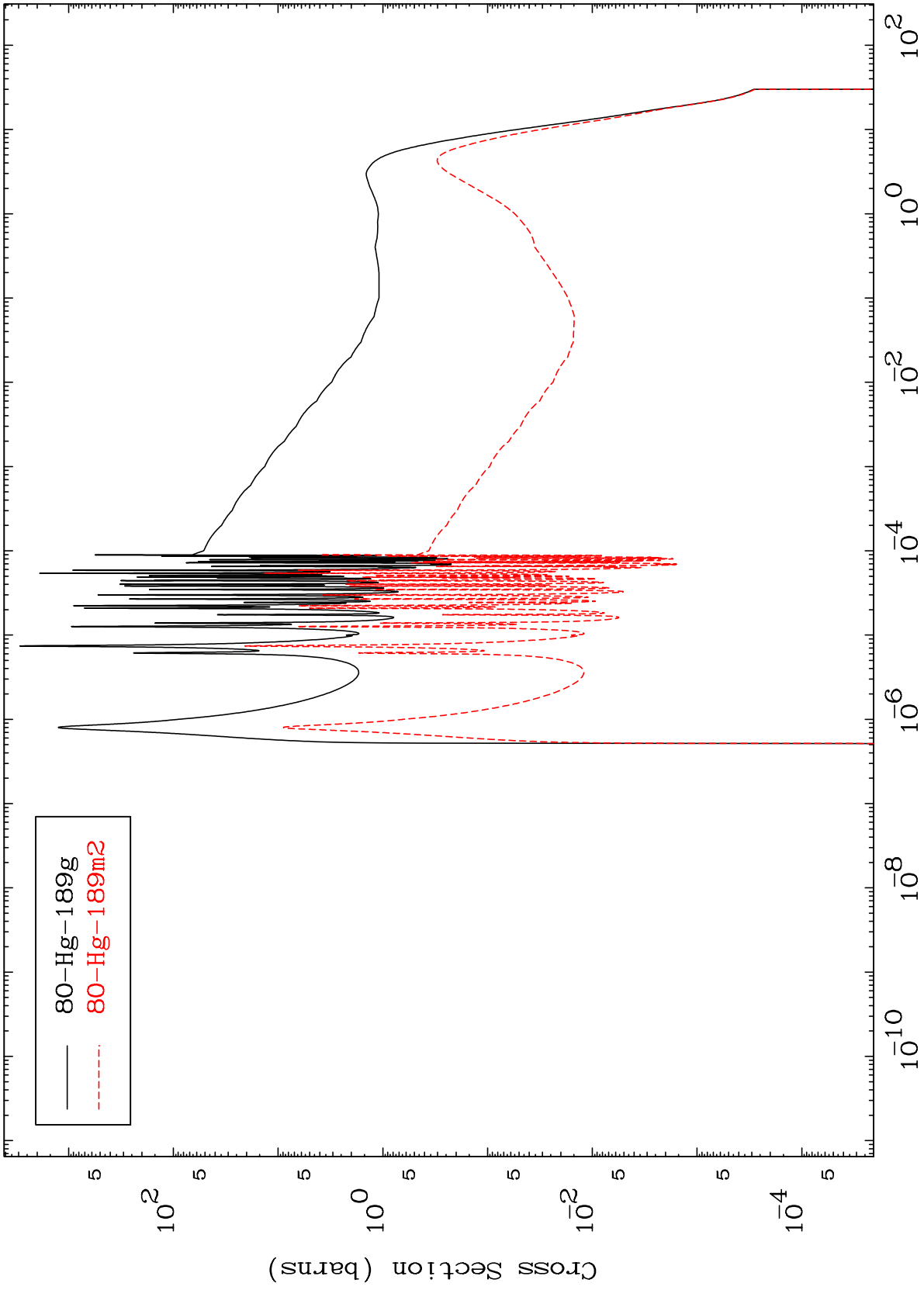
Incident Energy (MeV)

80-Hg-188

MAT 8001

80-Hg-188

(n,γ)
Radionuclide Production Cross Section



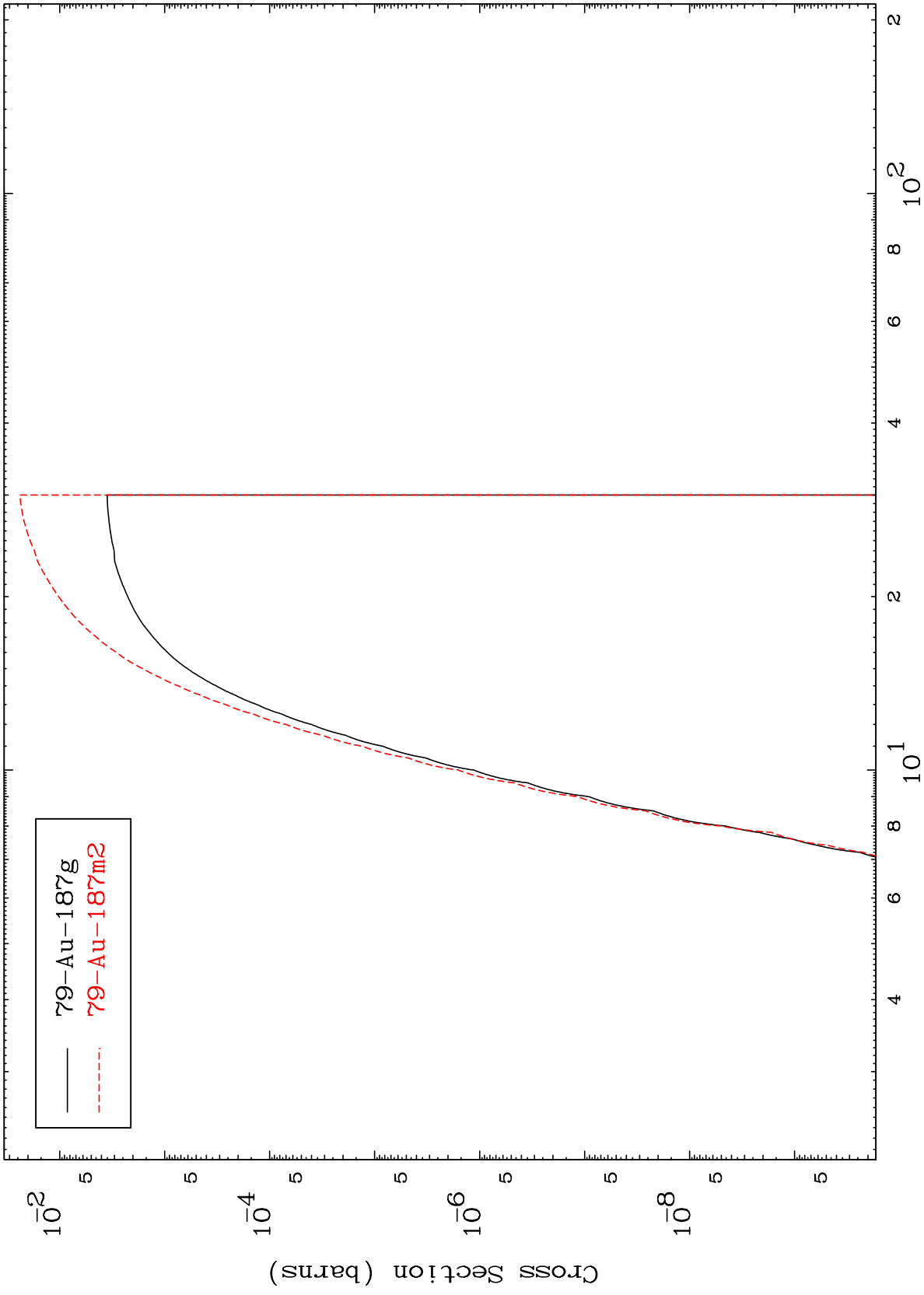
94

80-Hg-188

MAT 8001

Radionuclide Production Cross Section
(n,d)

80-Hg-188

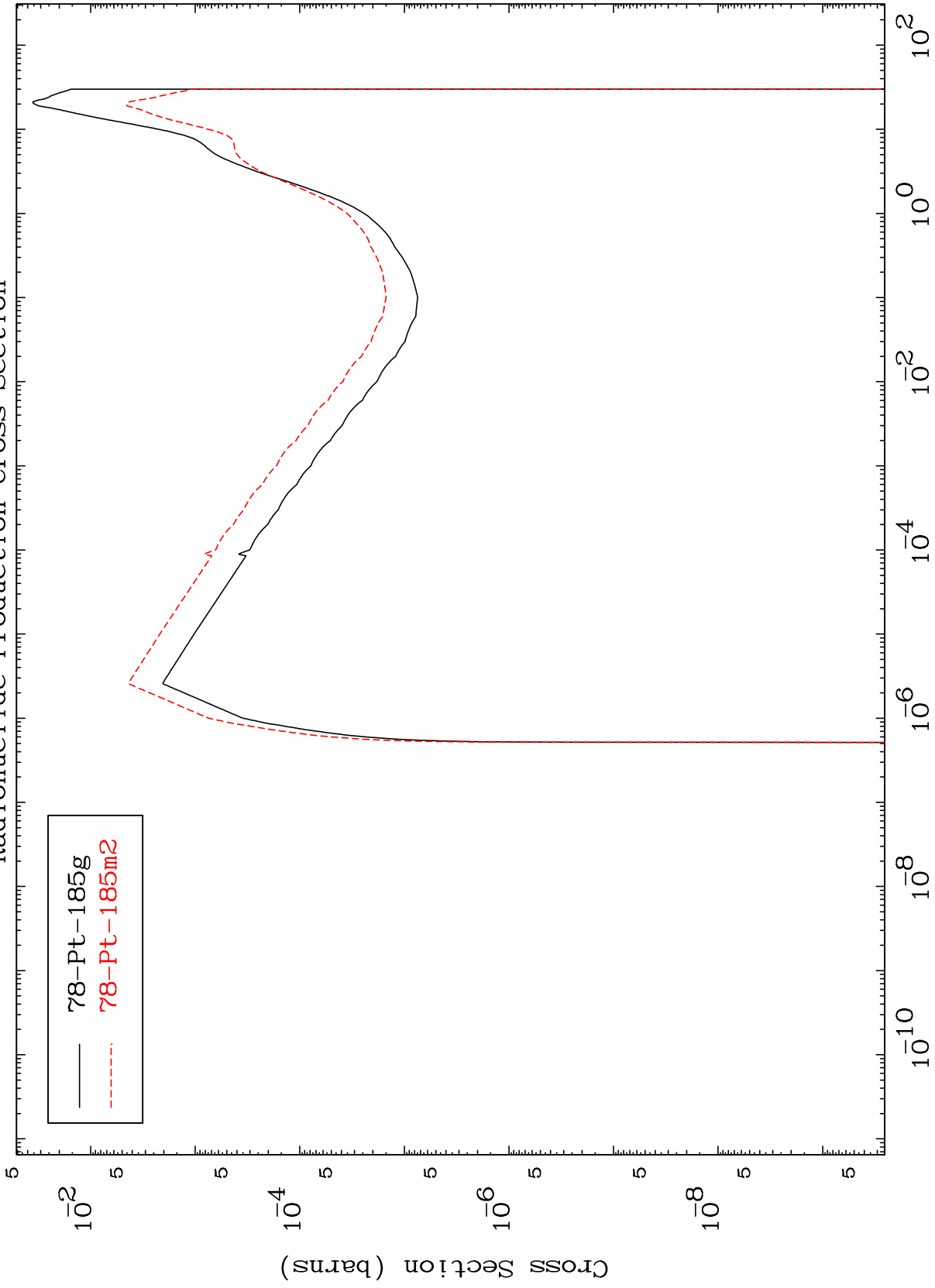


95

MAT 8001

Radionuclide Production Cross Section
(n, α)

80-Hg-188



96

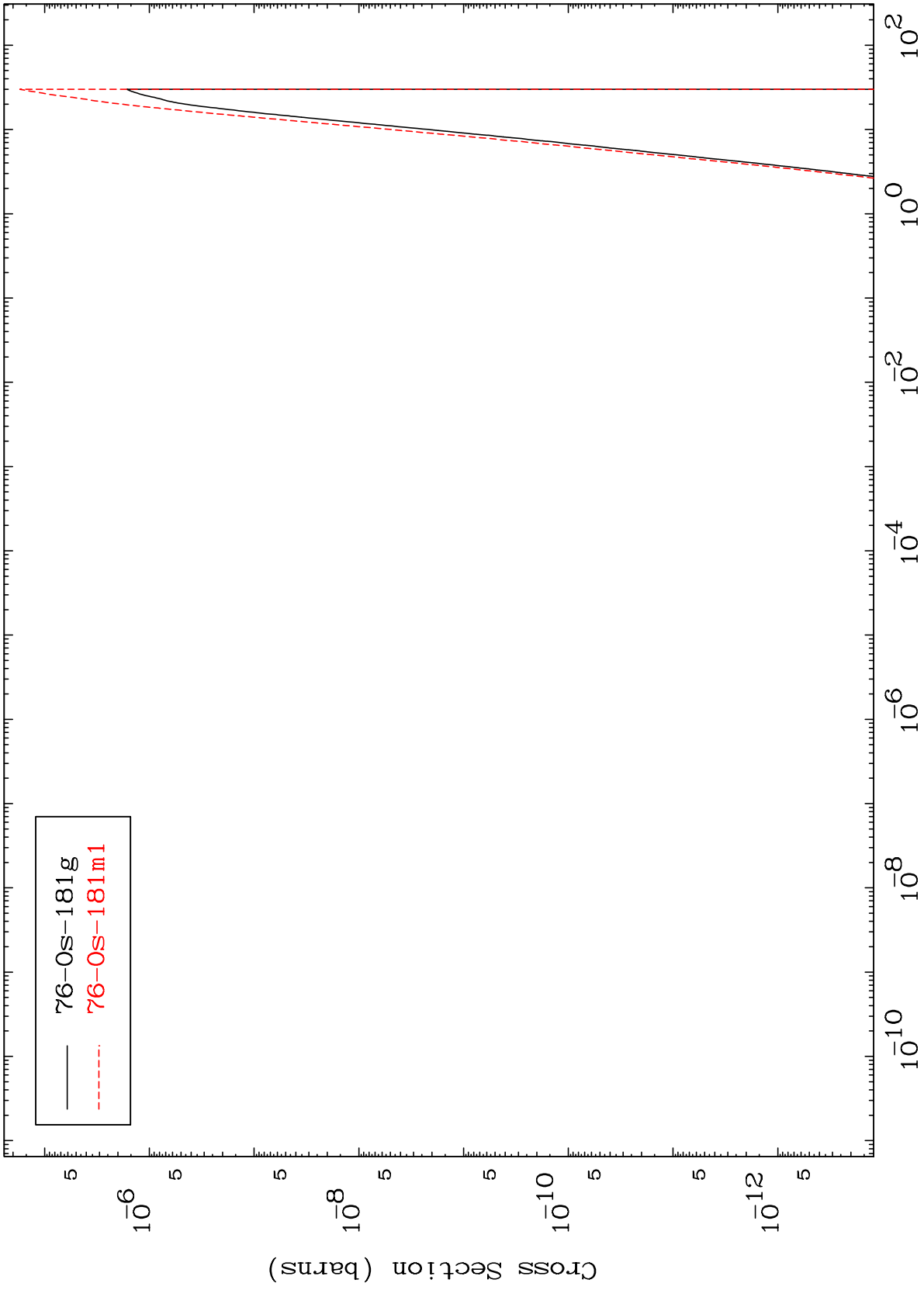
Incident Energy (MeV)

80-Hg-188

MAT 8001

Radionuclide Production Cross Section
(n,2α)

80-Hg-188

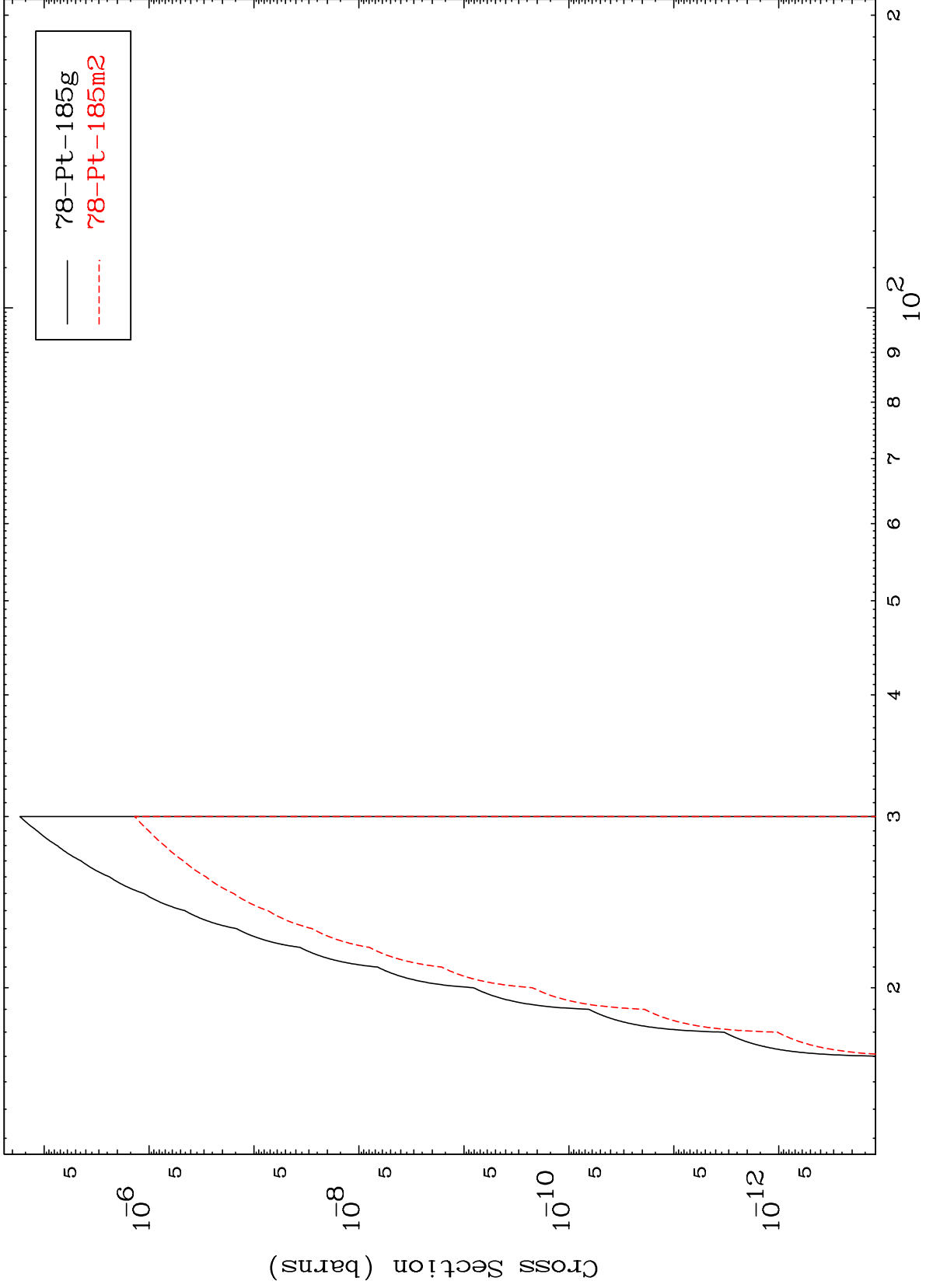


MAT 8001

(n,p) t

80-Hg-188

Radionuclide Production Cross Section



98

Incident Energy (MeV)

80-Hg-188