

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

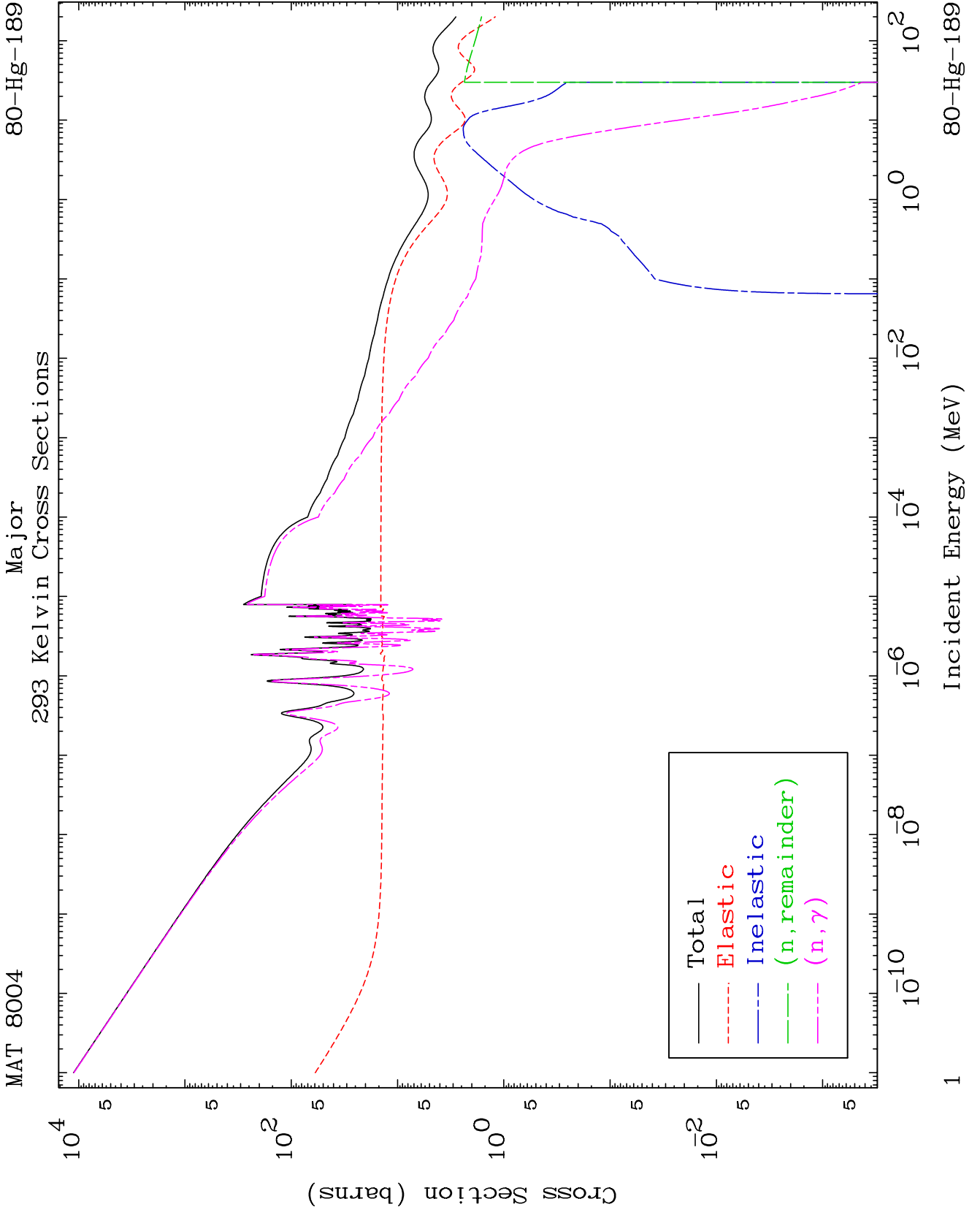
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

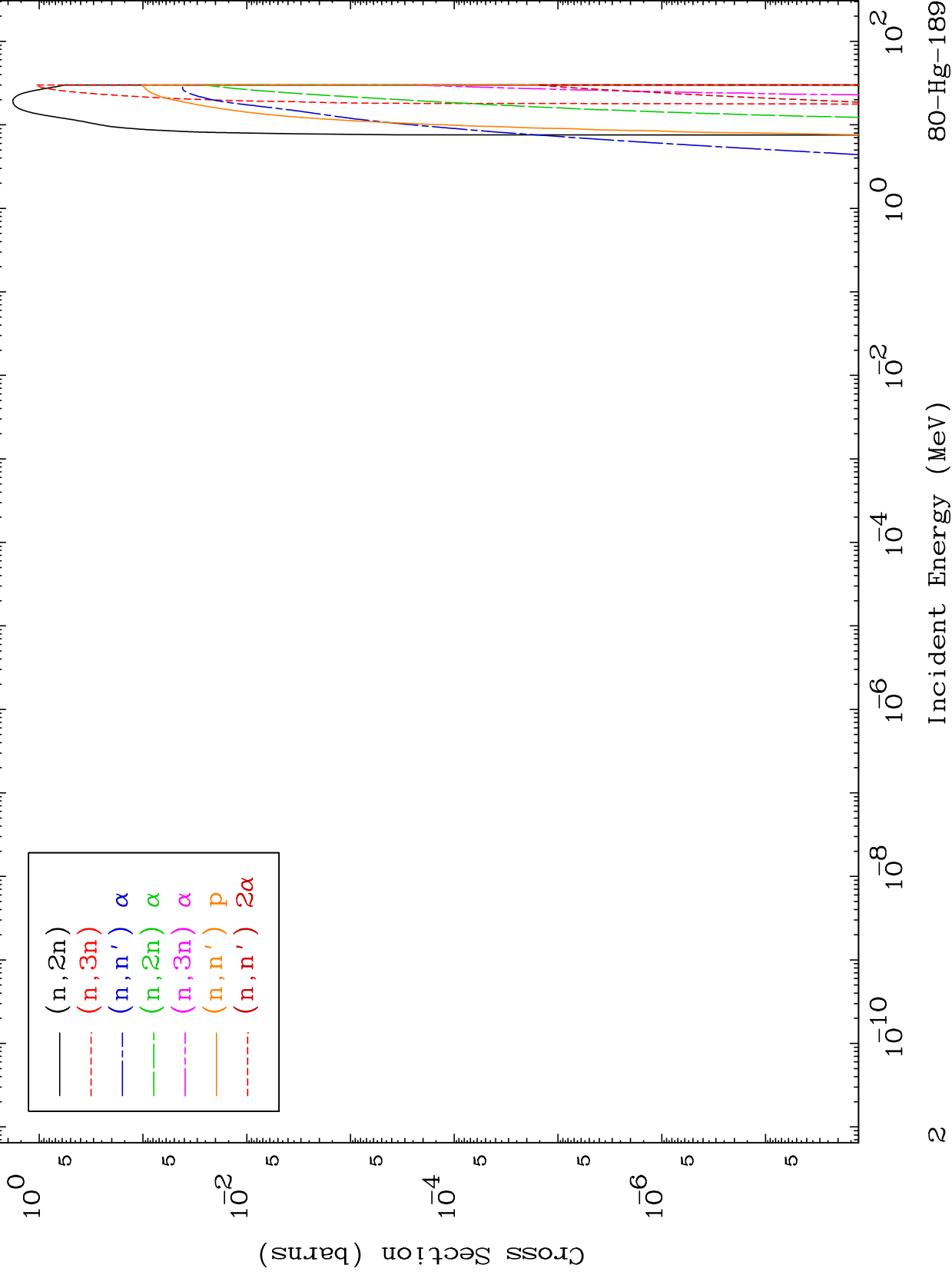
Press Mouse Button to Start



MAT 8004

Neutron Production
293 Kelvin Cross Sections

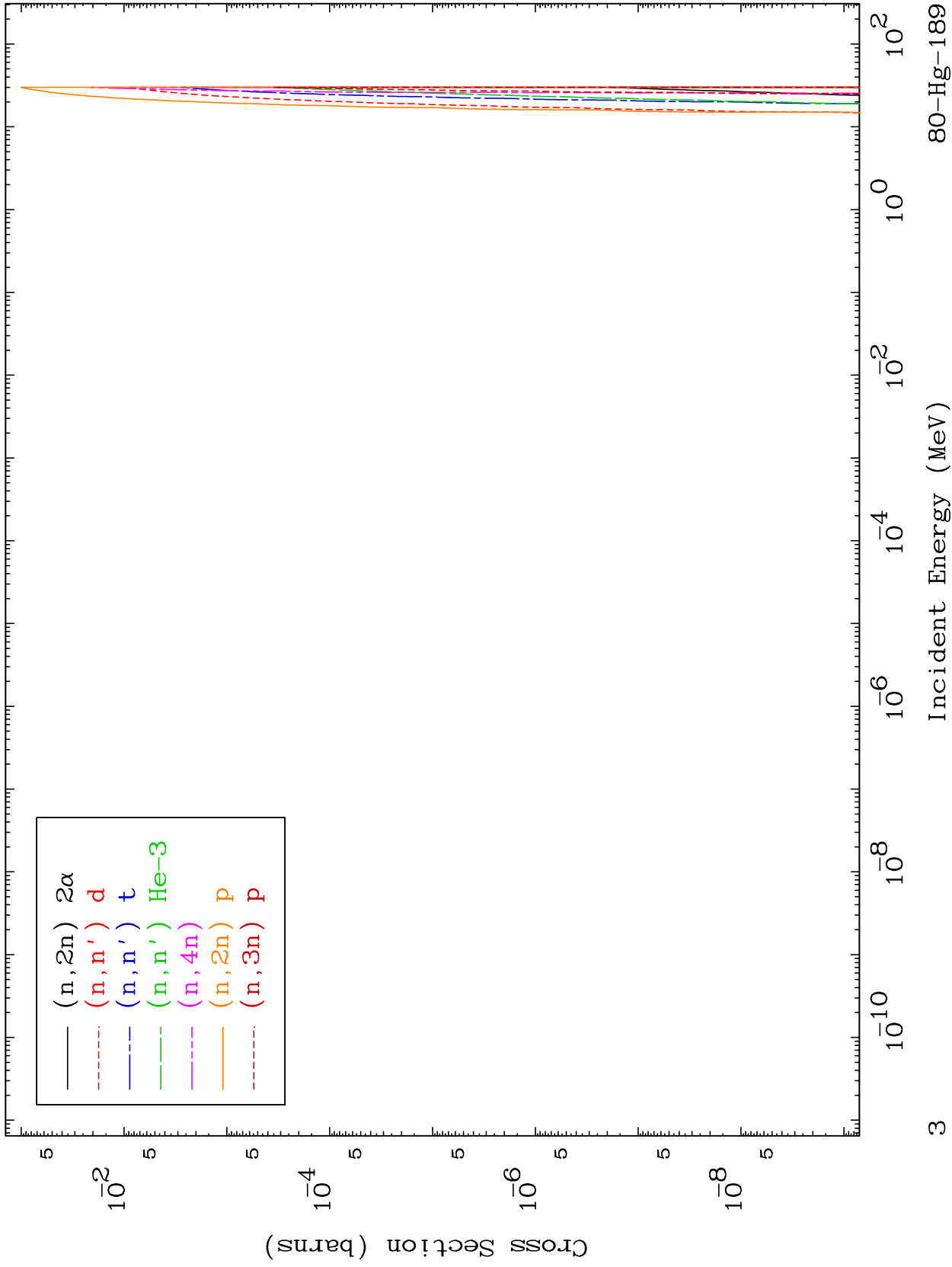
80-Hg-189



MAT 8004

Neutron Production
293 Kelvin Cross Sections

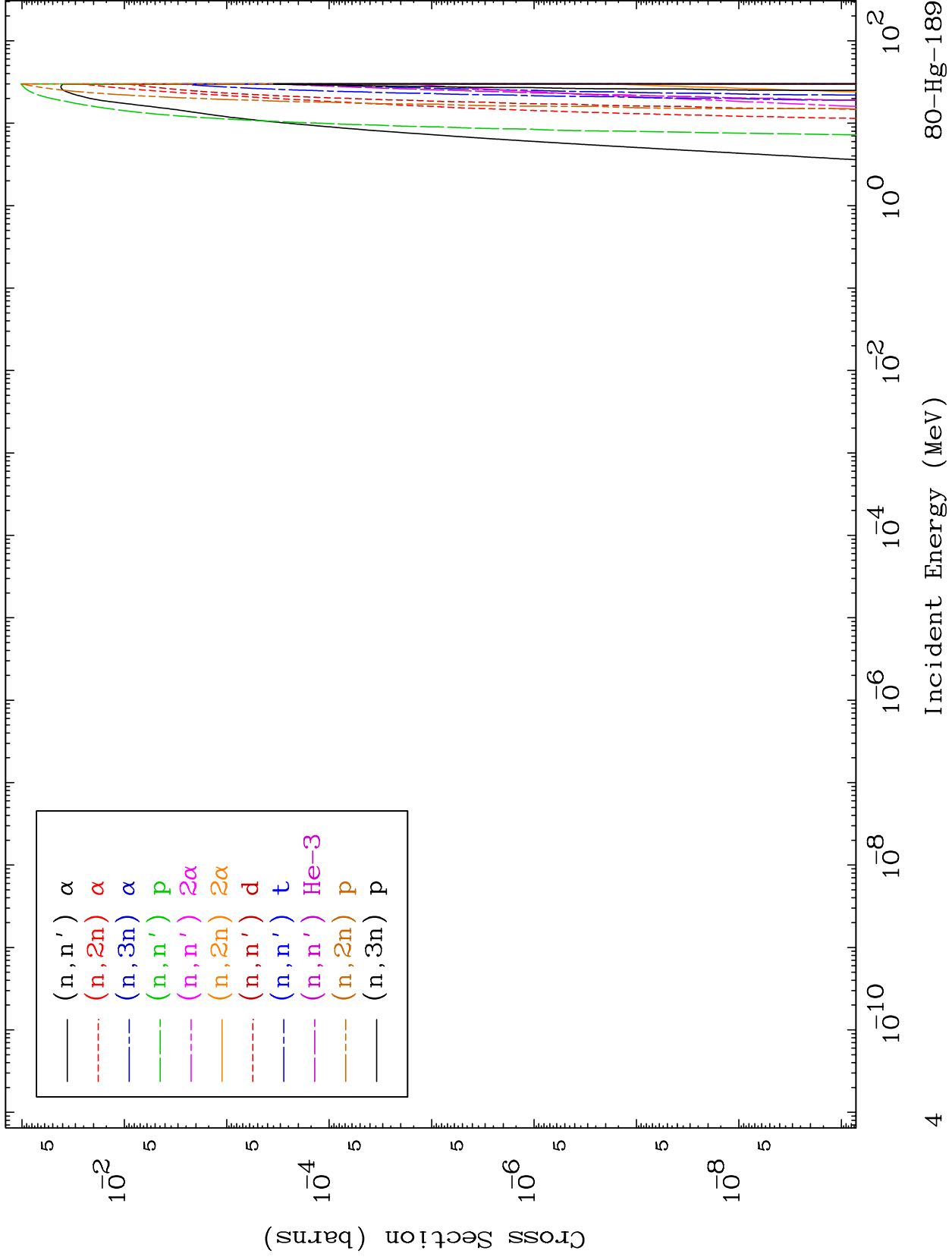
80-Hg-189



MAT 8004

Charged Particle
293 Kelvin Cross Sections

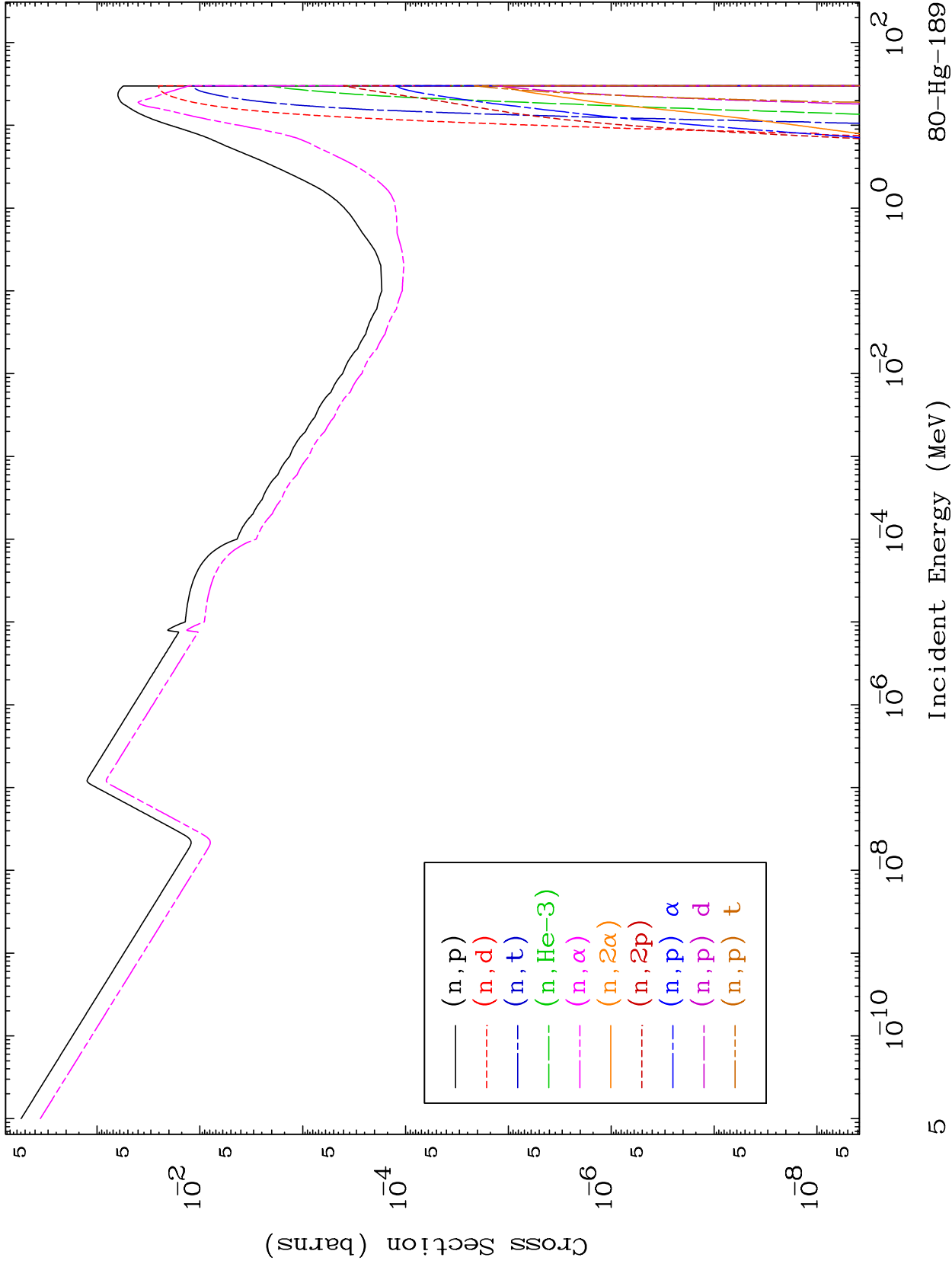
80-Hg-189



MAT 8004

Charged Particle
293 Kelvin Cross Sections

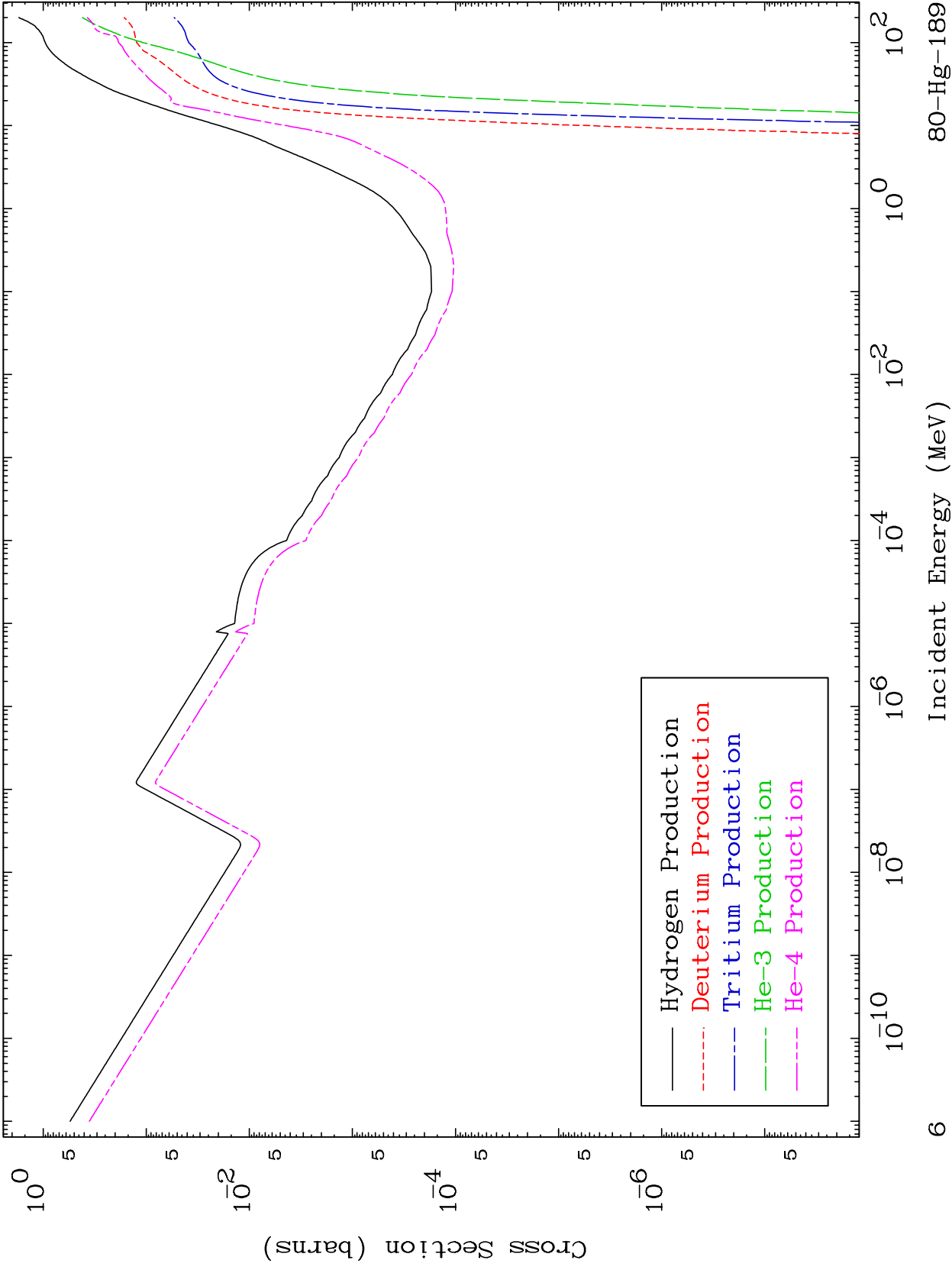
80-Hg-189



MAT 8004

Particle Production
293 Kelvin Cross Sections

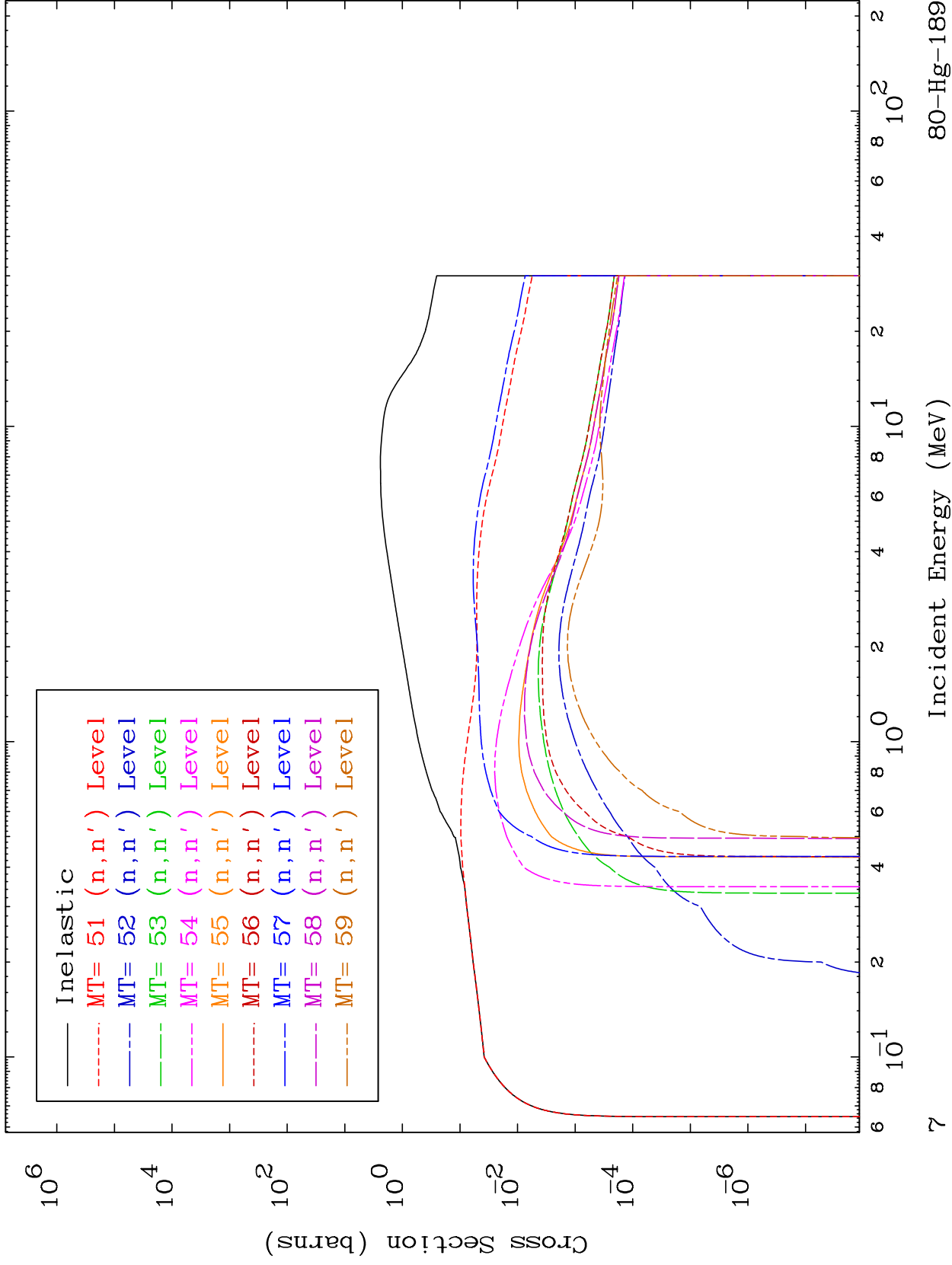
80-Hg-189



MAT 8004

(n,n') Level
293 Kelvin Cross Sections

80-Hg-189

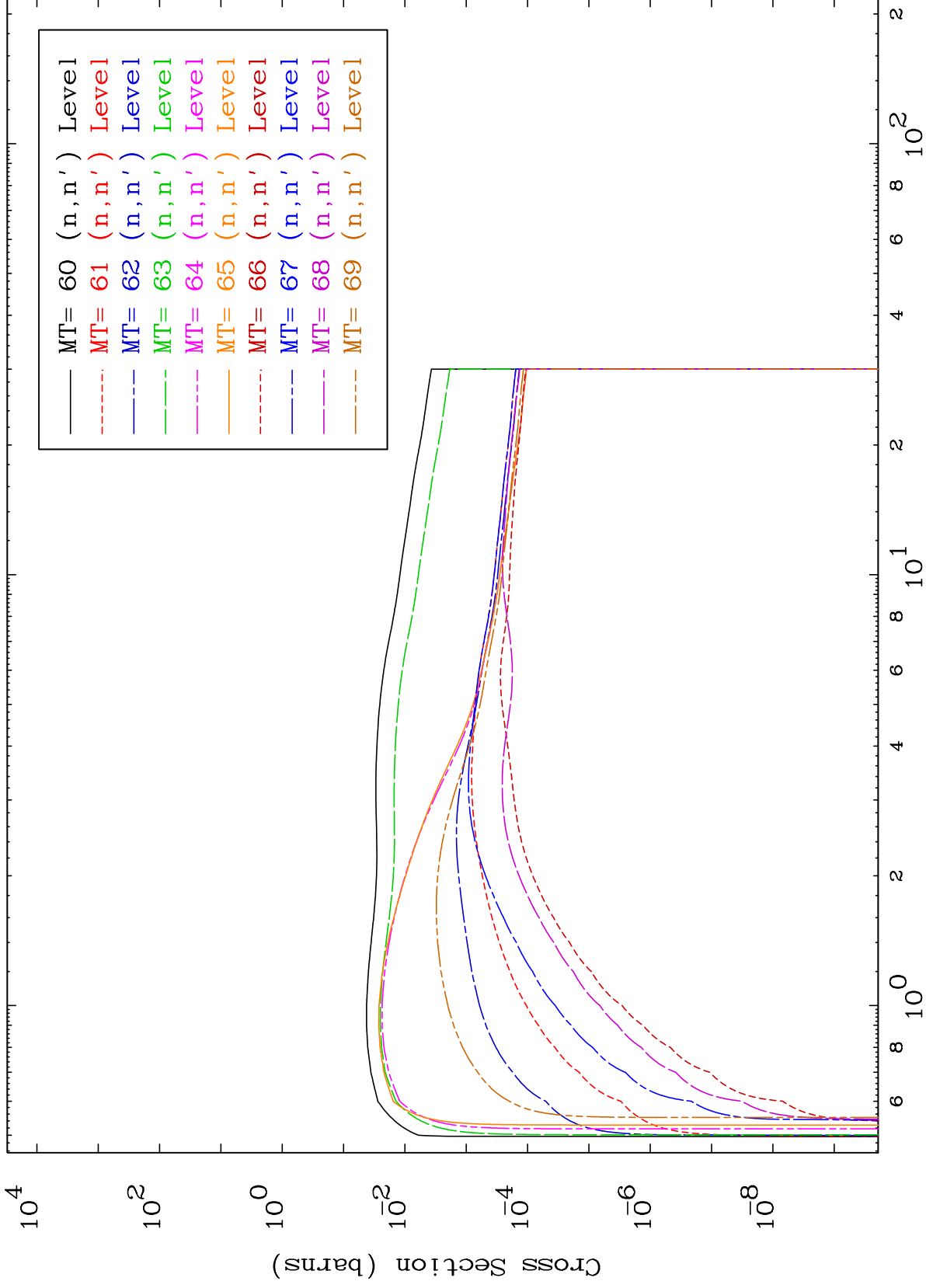


MAT 8004

(n,n') Level

80-Hg-189

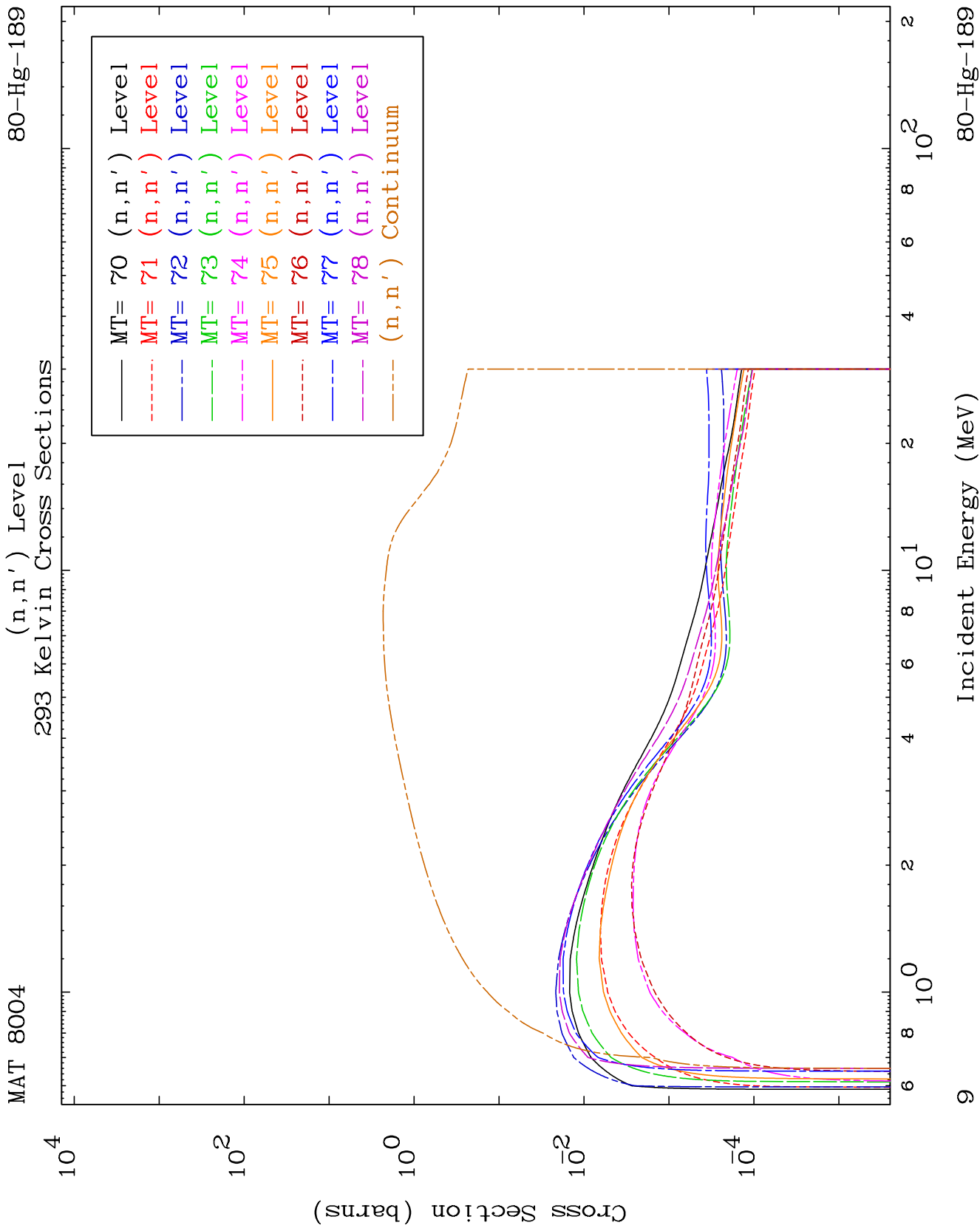
293 Kelvin Cross Sections



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Incident Energy (MeV)

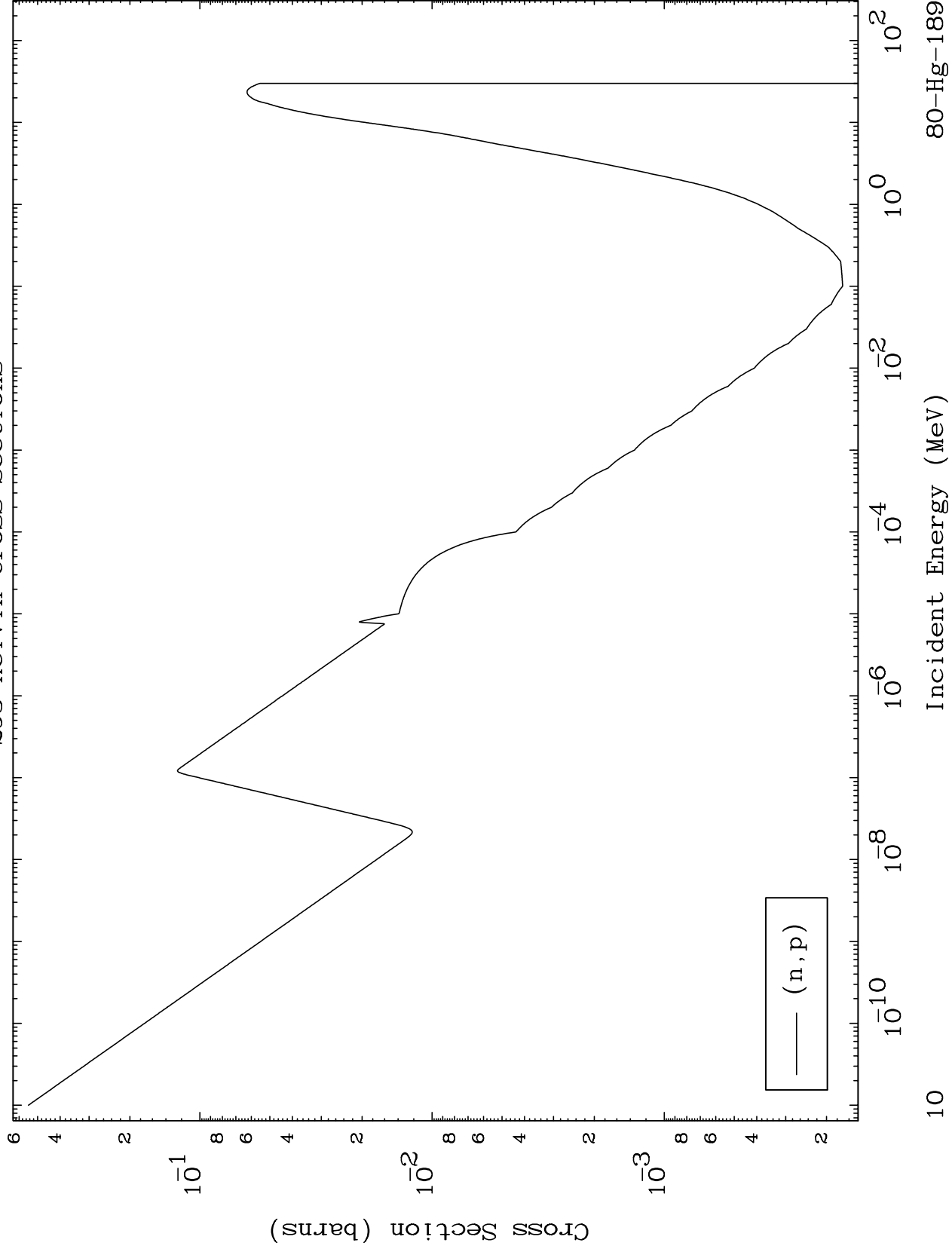
80-Hg-189



MAT 8004

(n,p) Levels
293 Kelvin Cross Sections

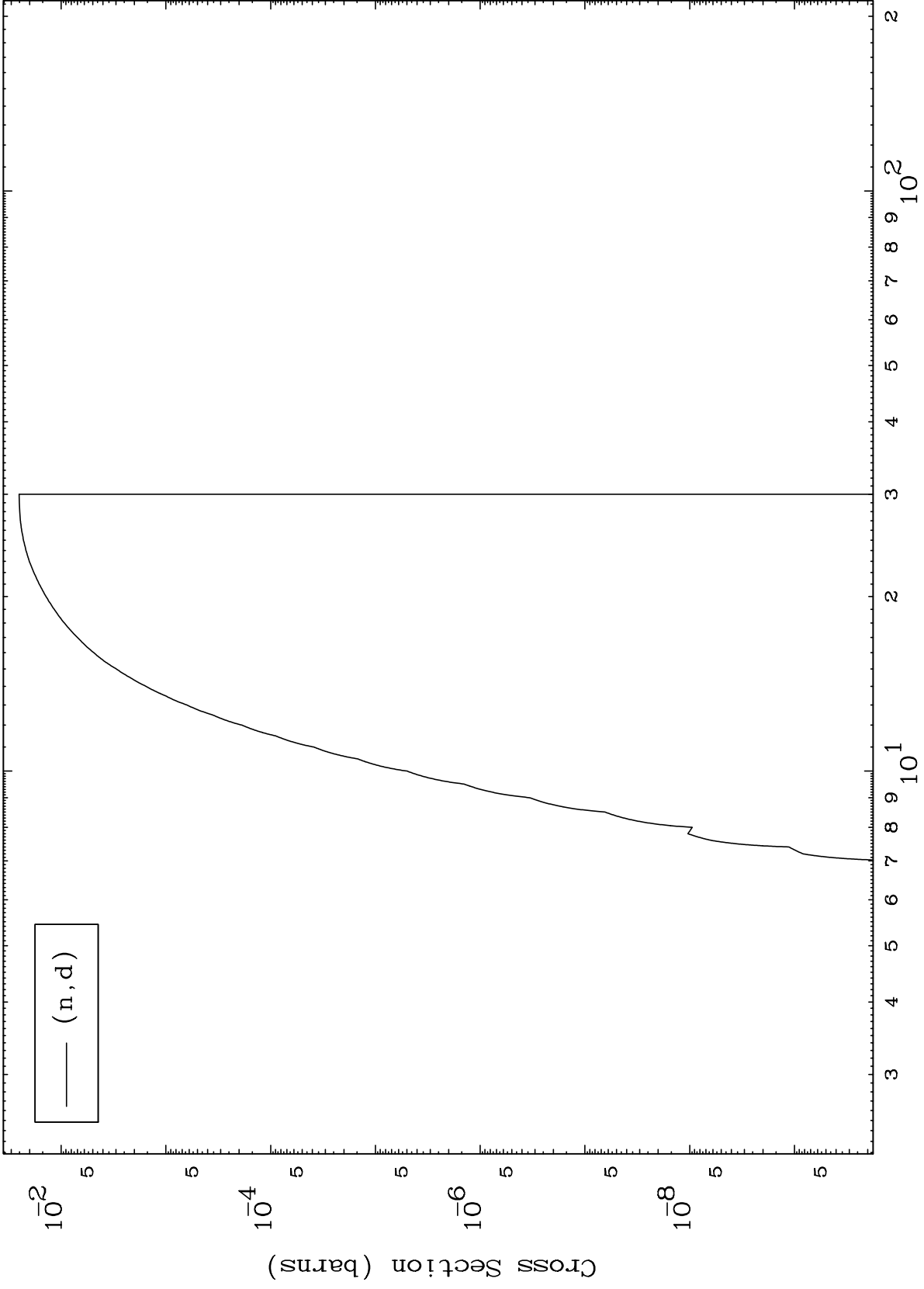
80-Hg-189



MAT 8004

(n,d) Levels
293 Kelvin Cross Sections

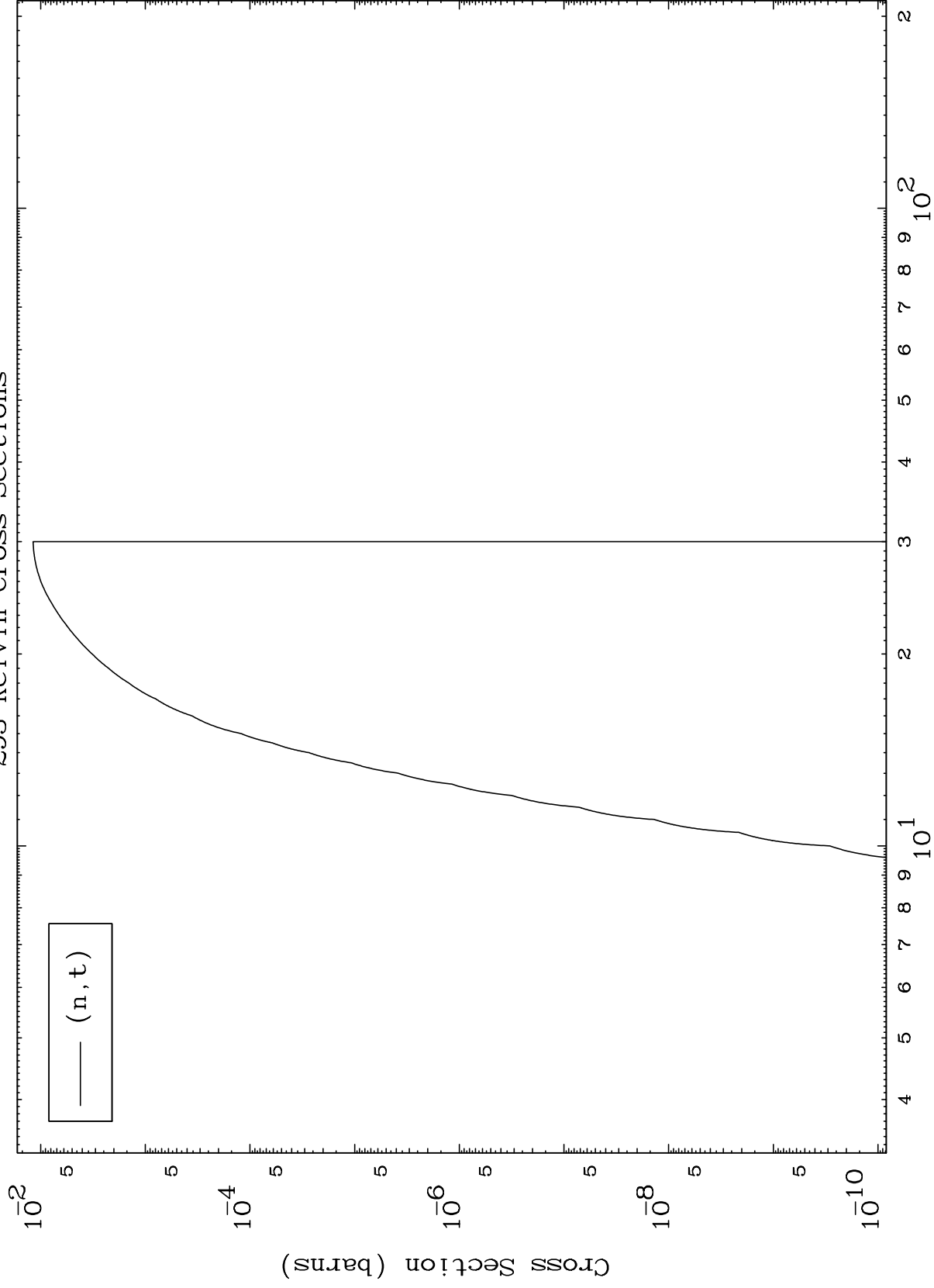
80-Hg-189



MAT 8004

(n,t) Levels
293 Kelvin Cross Sections

80-Hg-189



12

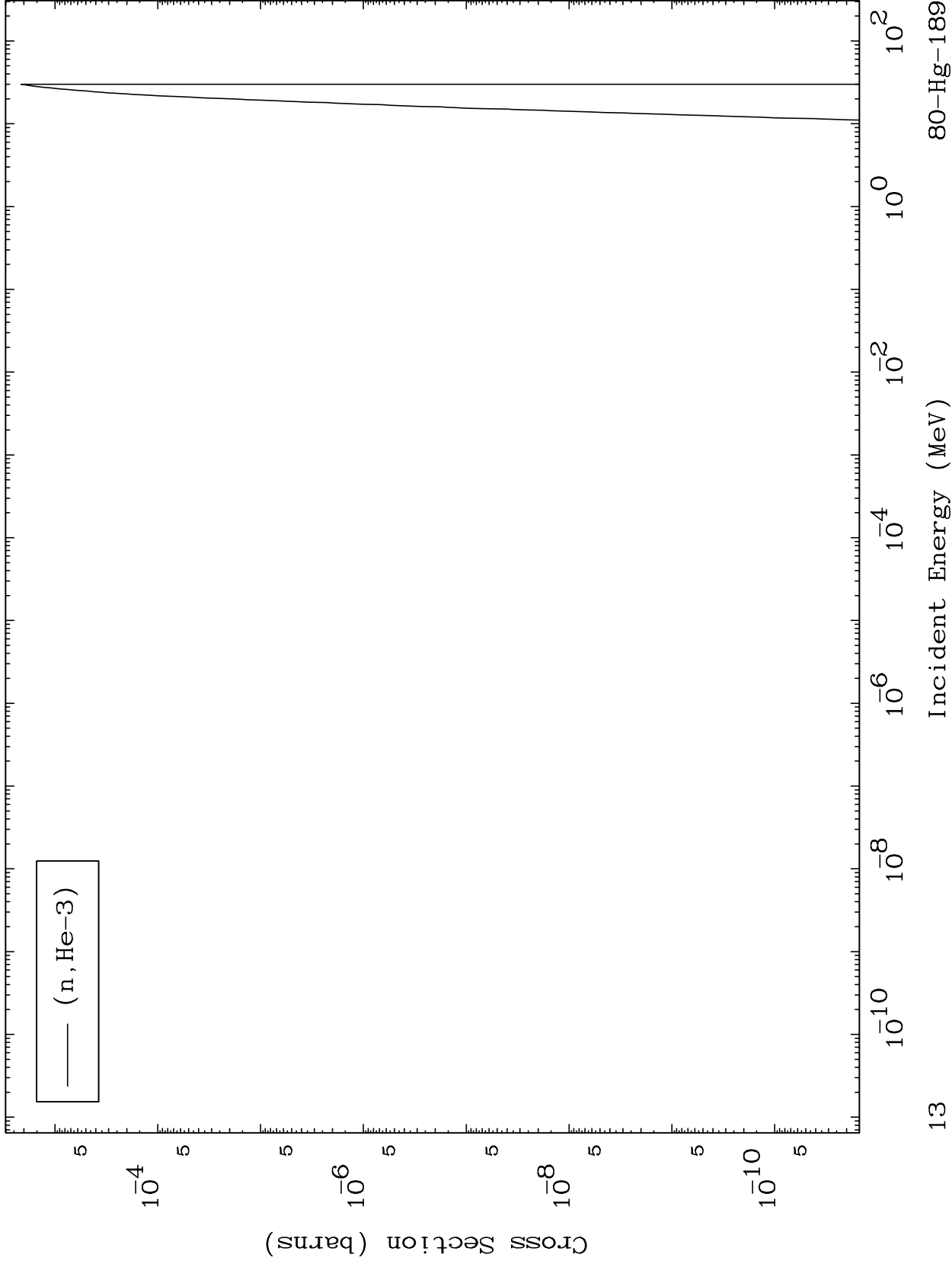
Incident Energy (MeV)

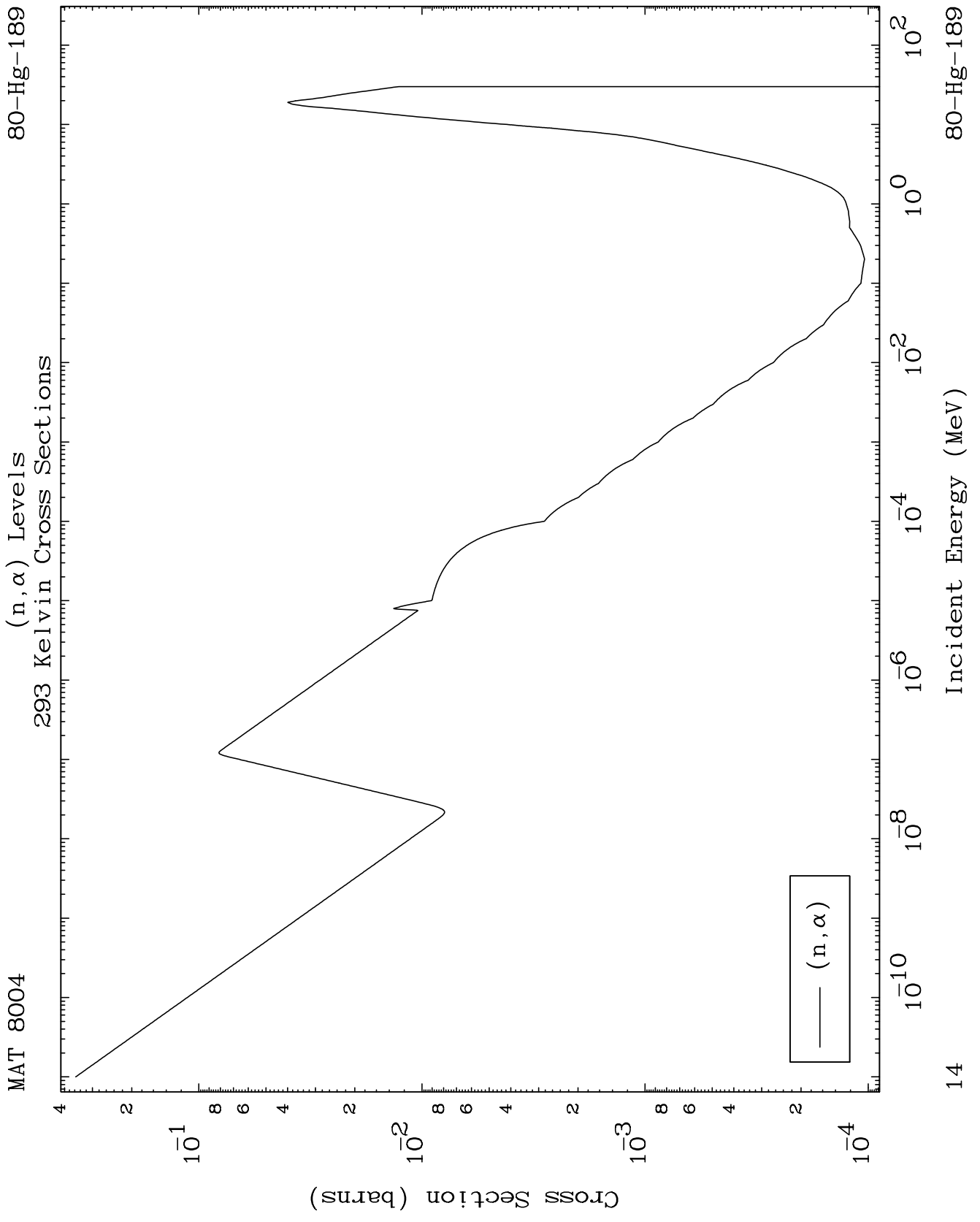
80-Hg-189

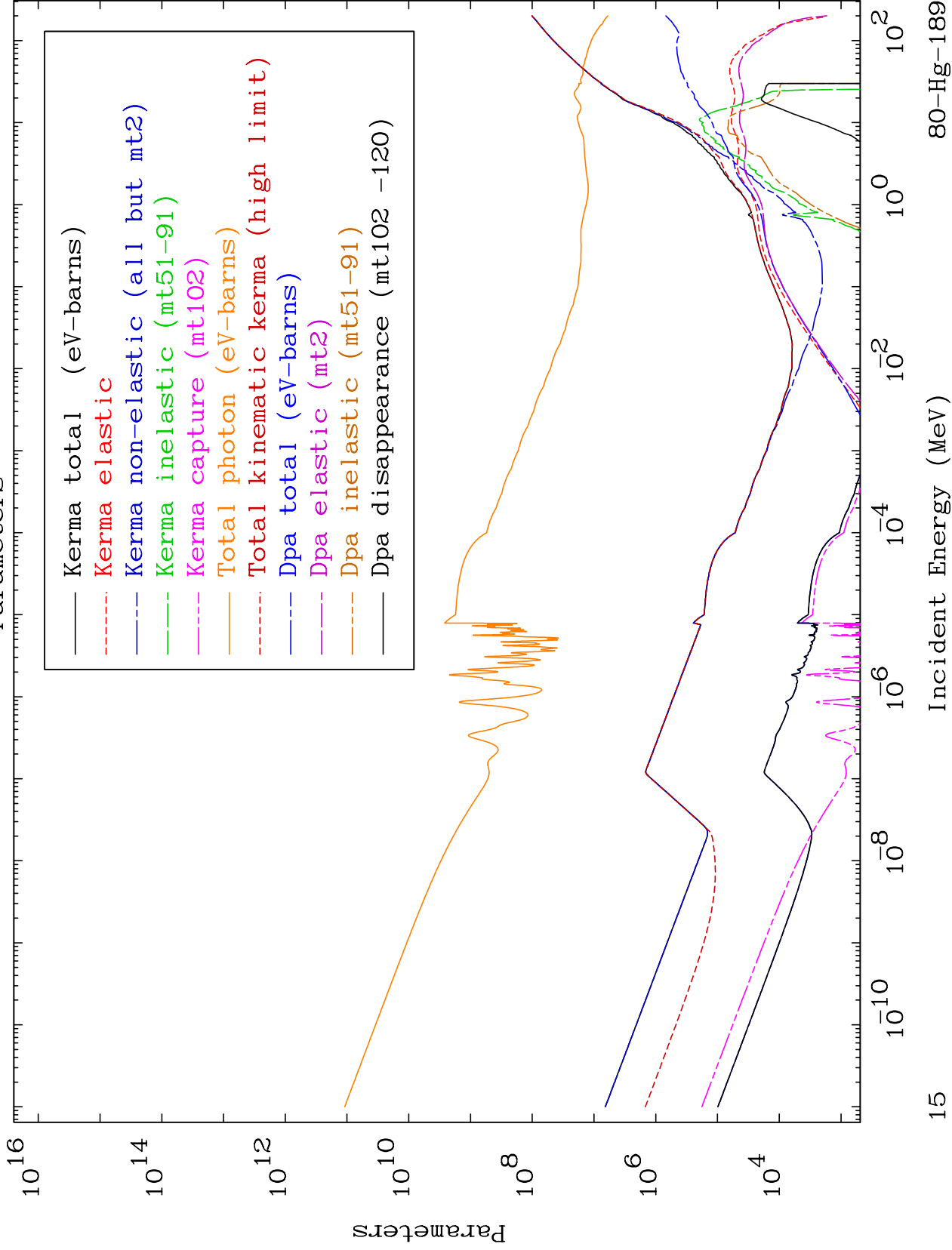
MAT 8004

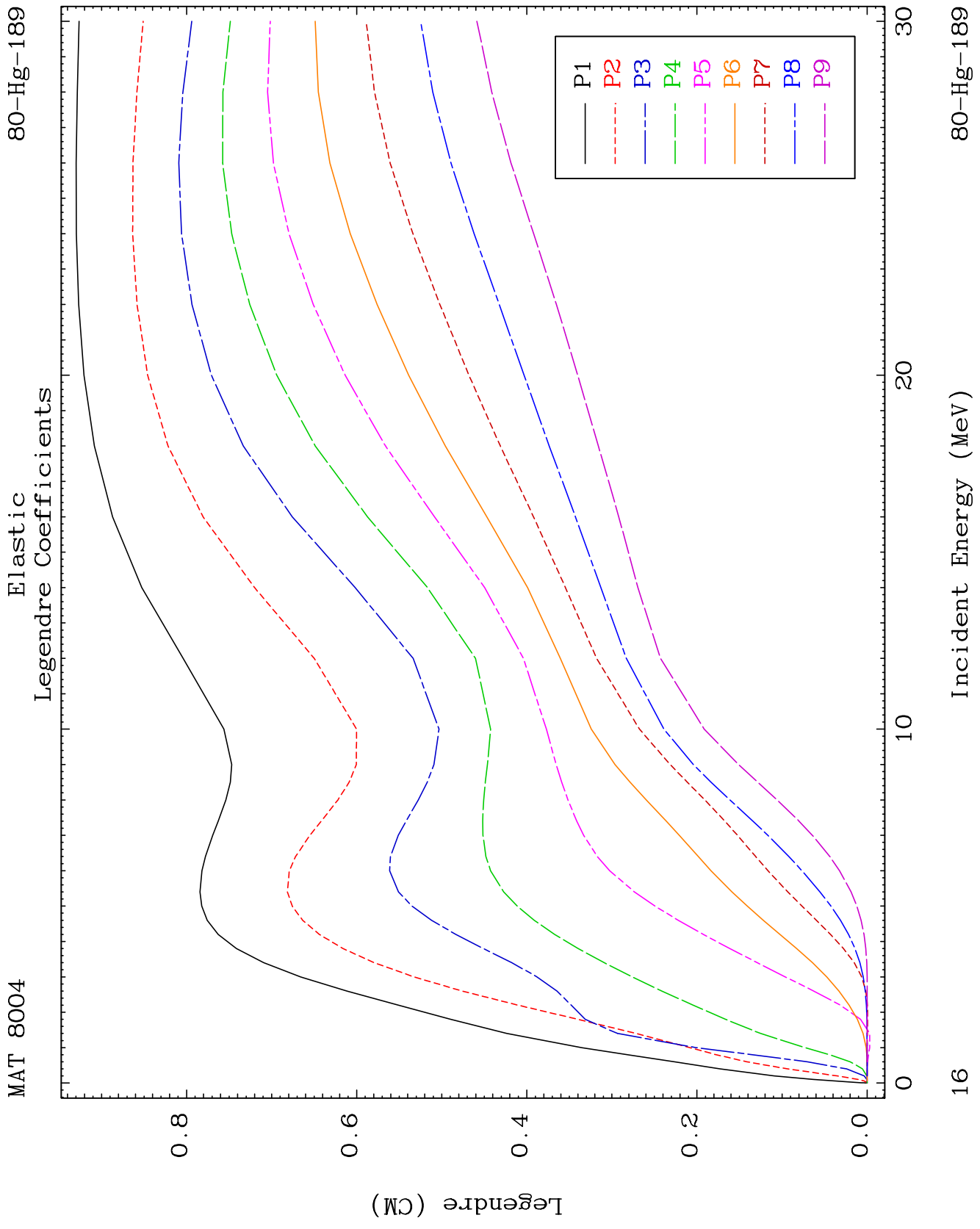
(n,He3) Levels
293 Kelvin Cross Sections

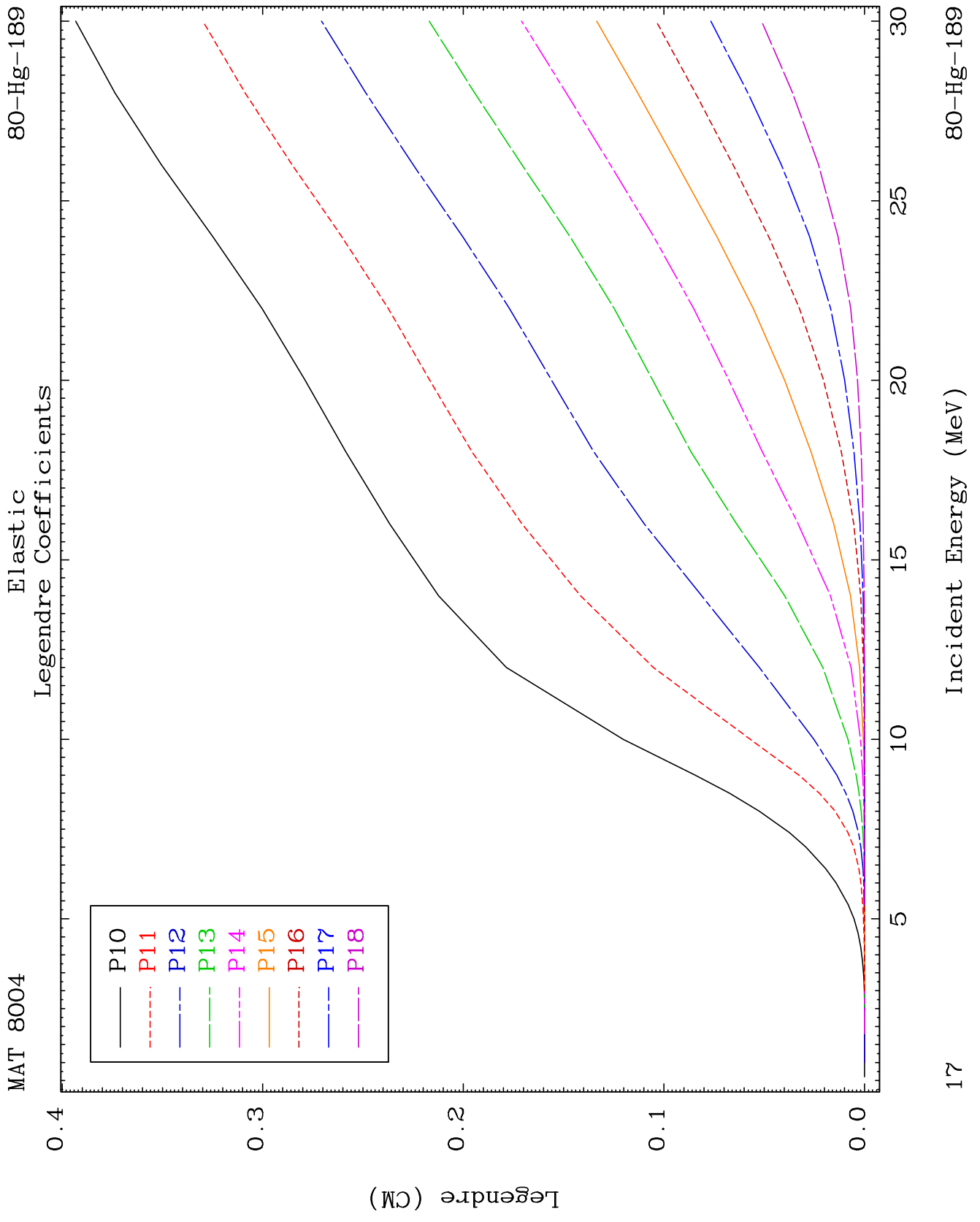
80-Hg-189







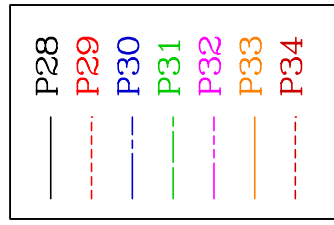




MAT 8004

Elastic Legendre Coefficients

80-Hg-189



$\times 10^{-6}$

Legendre (CM)

10

15

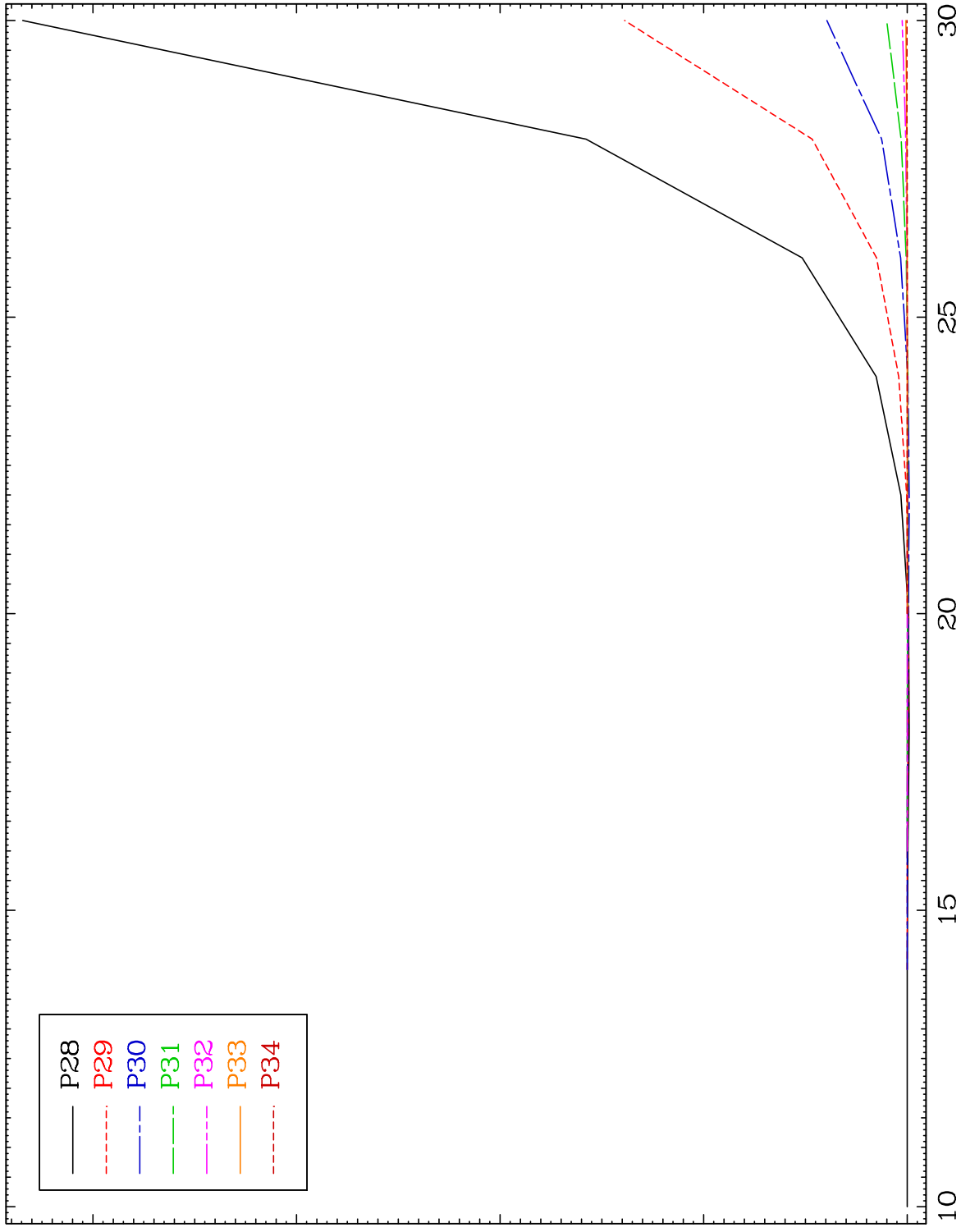
20

25

30

Incident Energy (MeV)

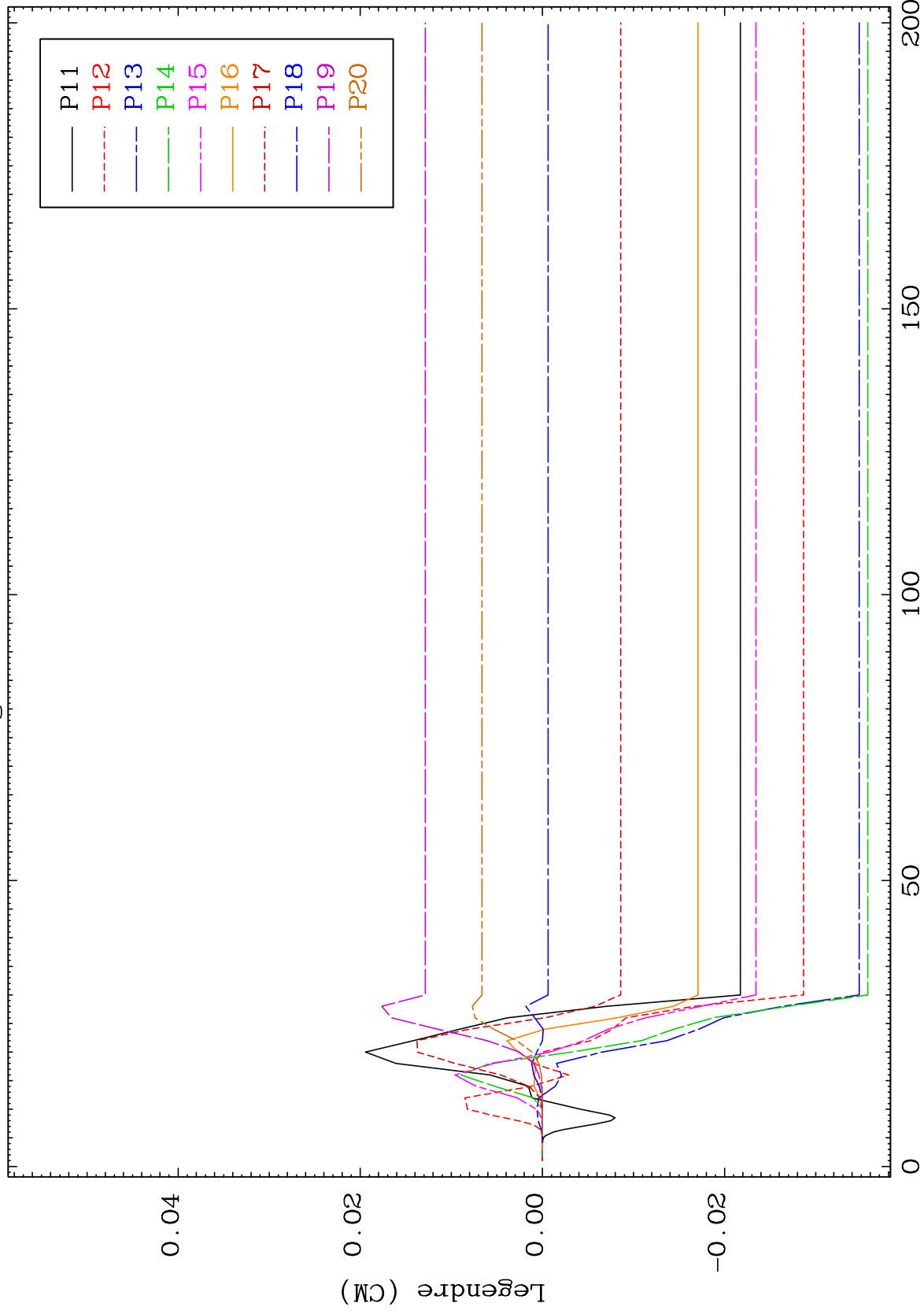
80-Hg-189



MAT 8004

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

80-Hg-189



21

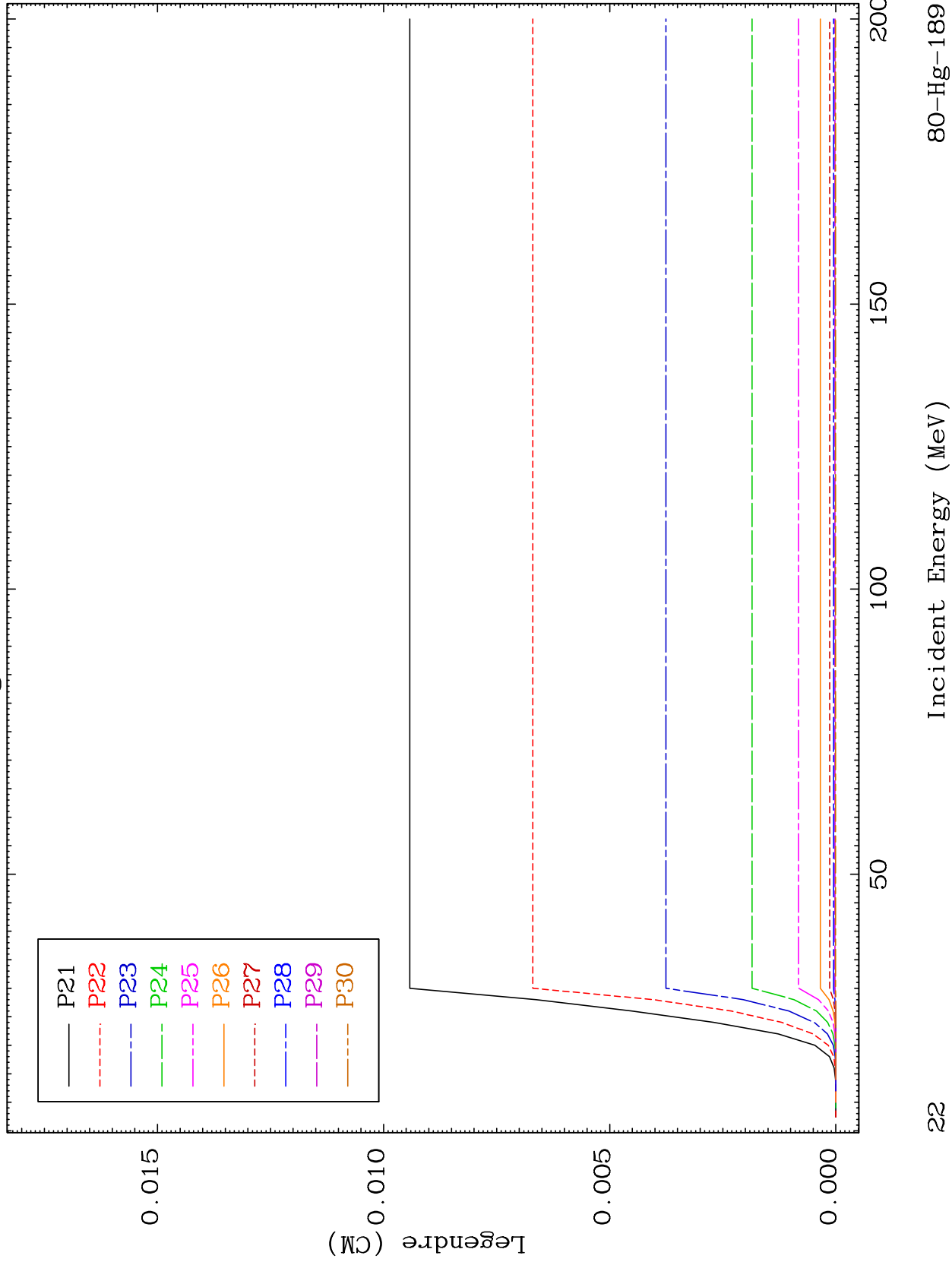
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

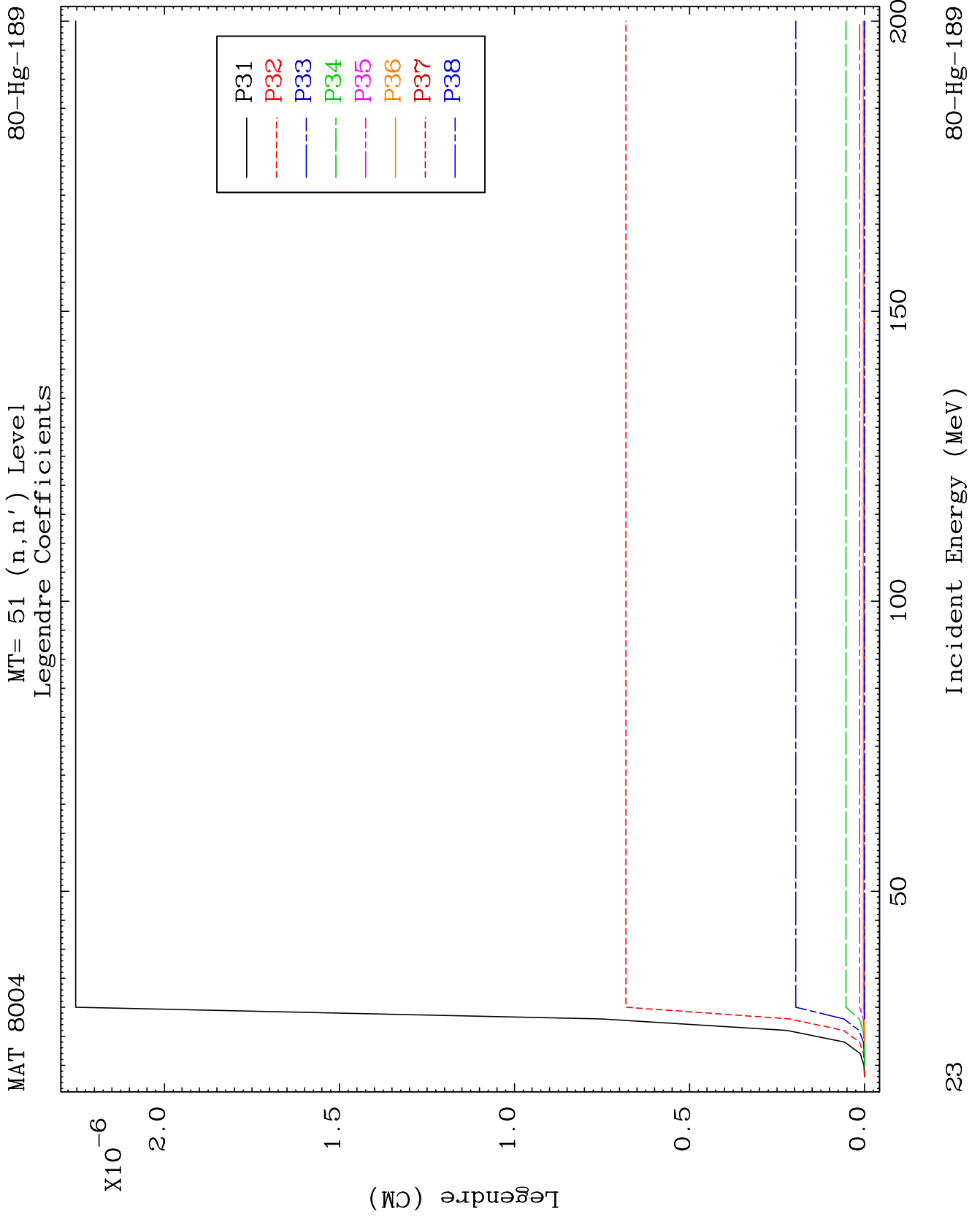
80-Hg-189



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Incident Energy (MeV)

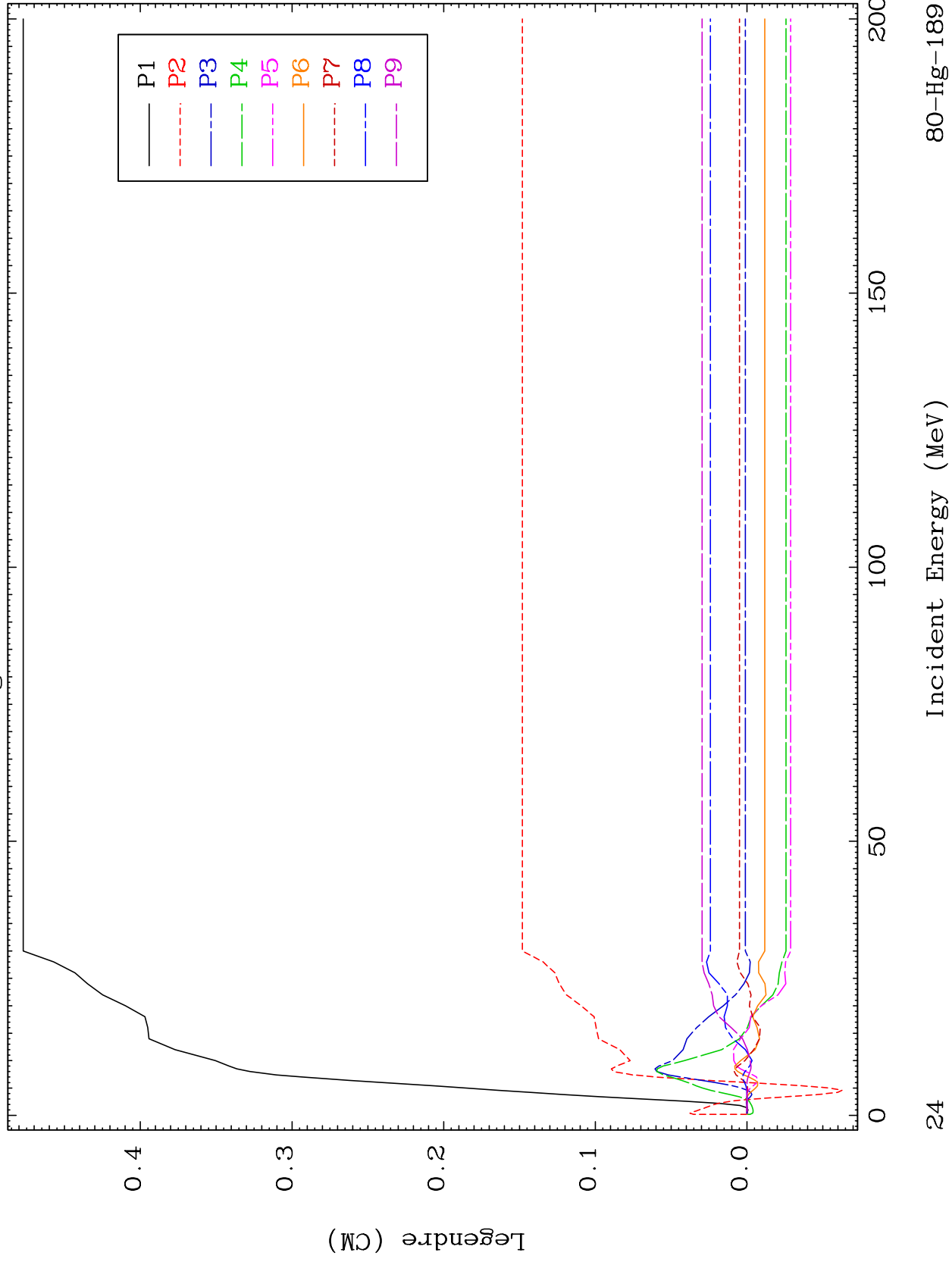
80-Hg-189



MAT 8004

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

80-Hg-189



24

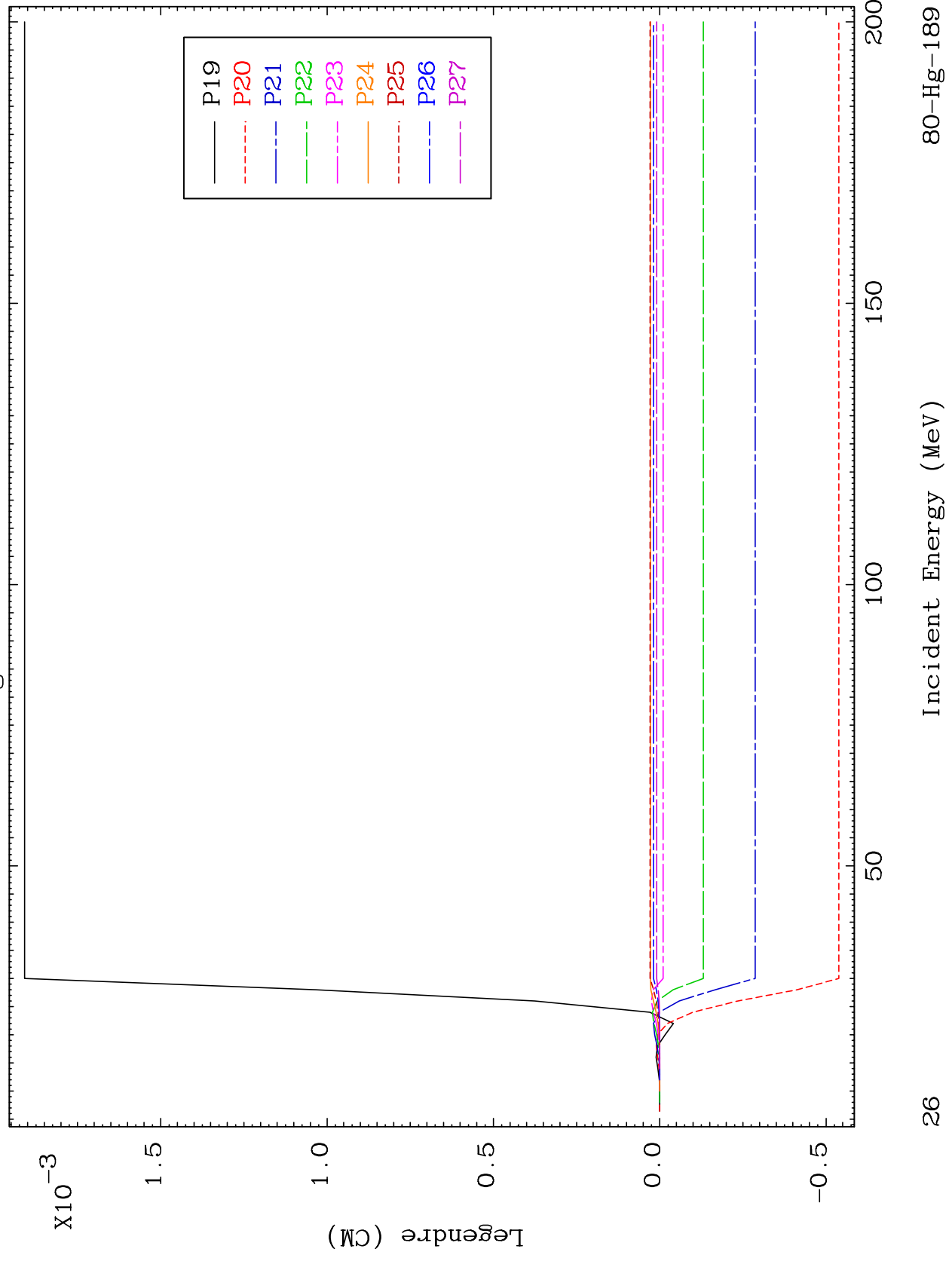
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

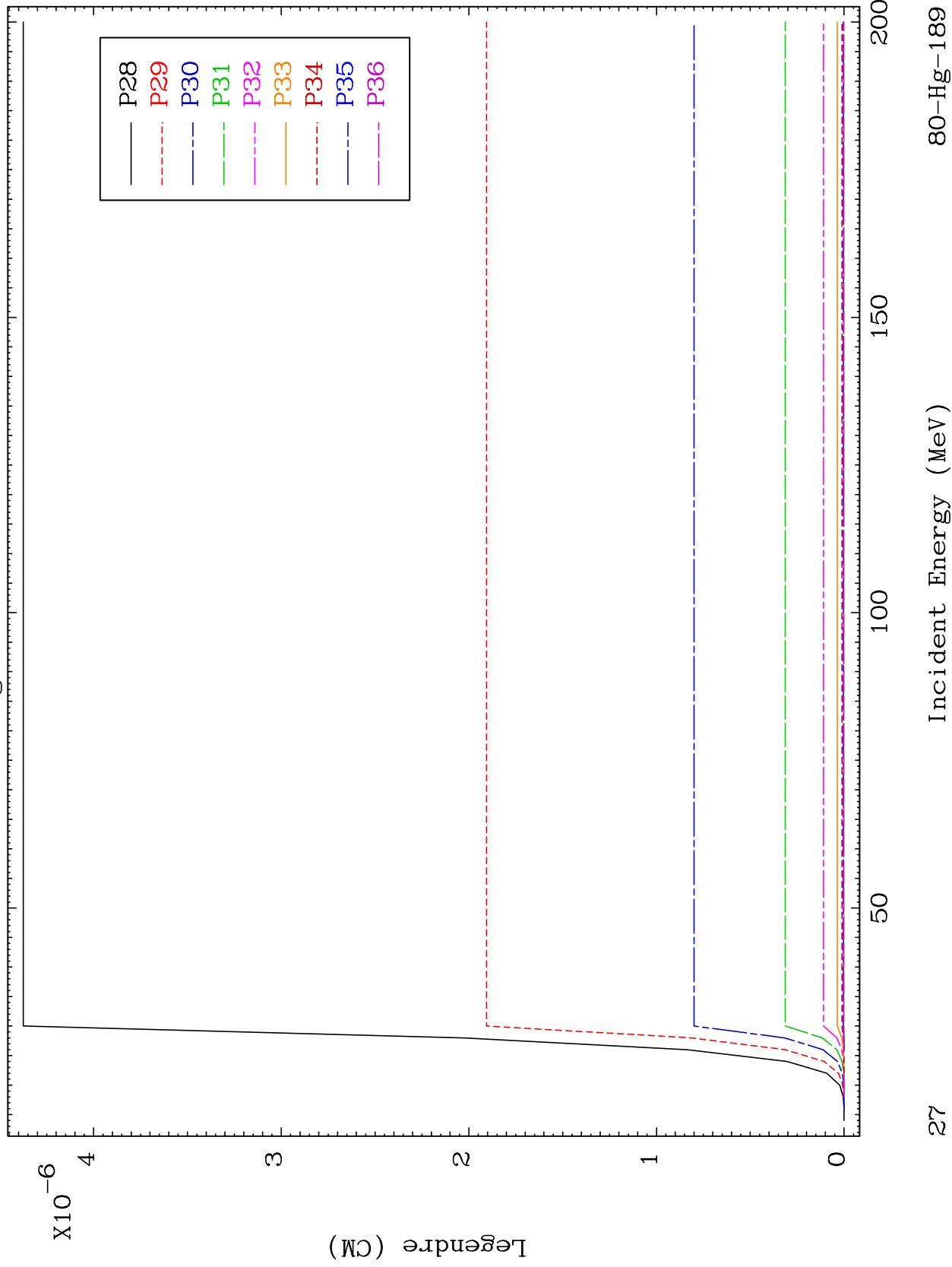
80-Hg-189



MAT 8004

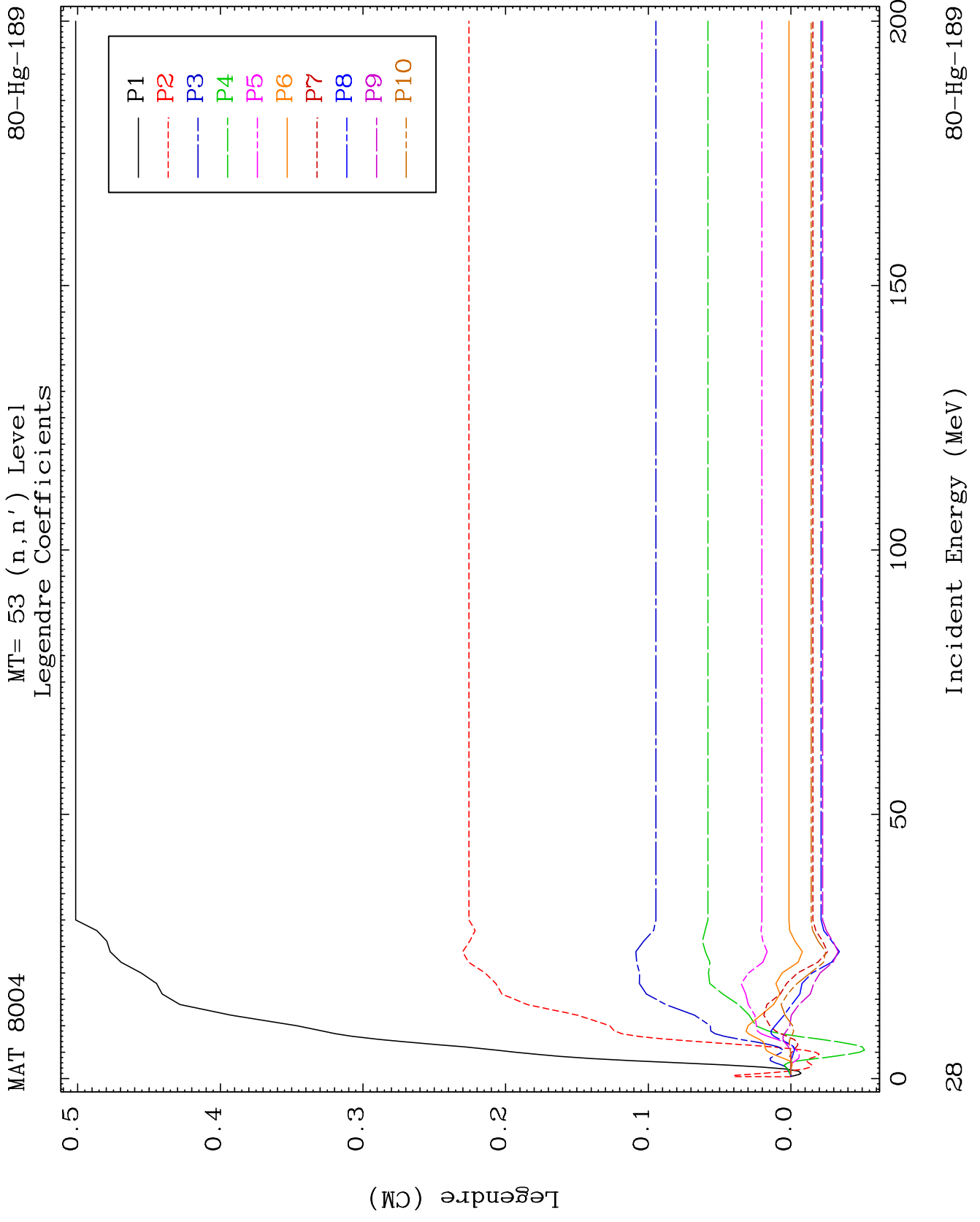
MT= 52 (n,n') Level
Legendre Coefficients

80-Hg-189



27

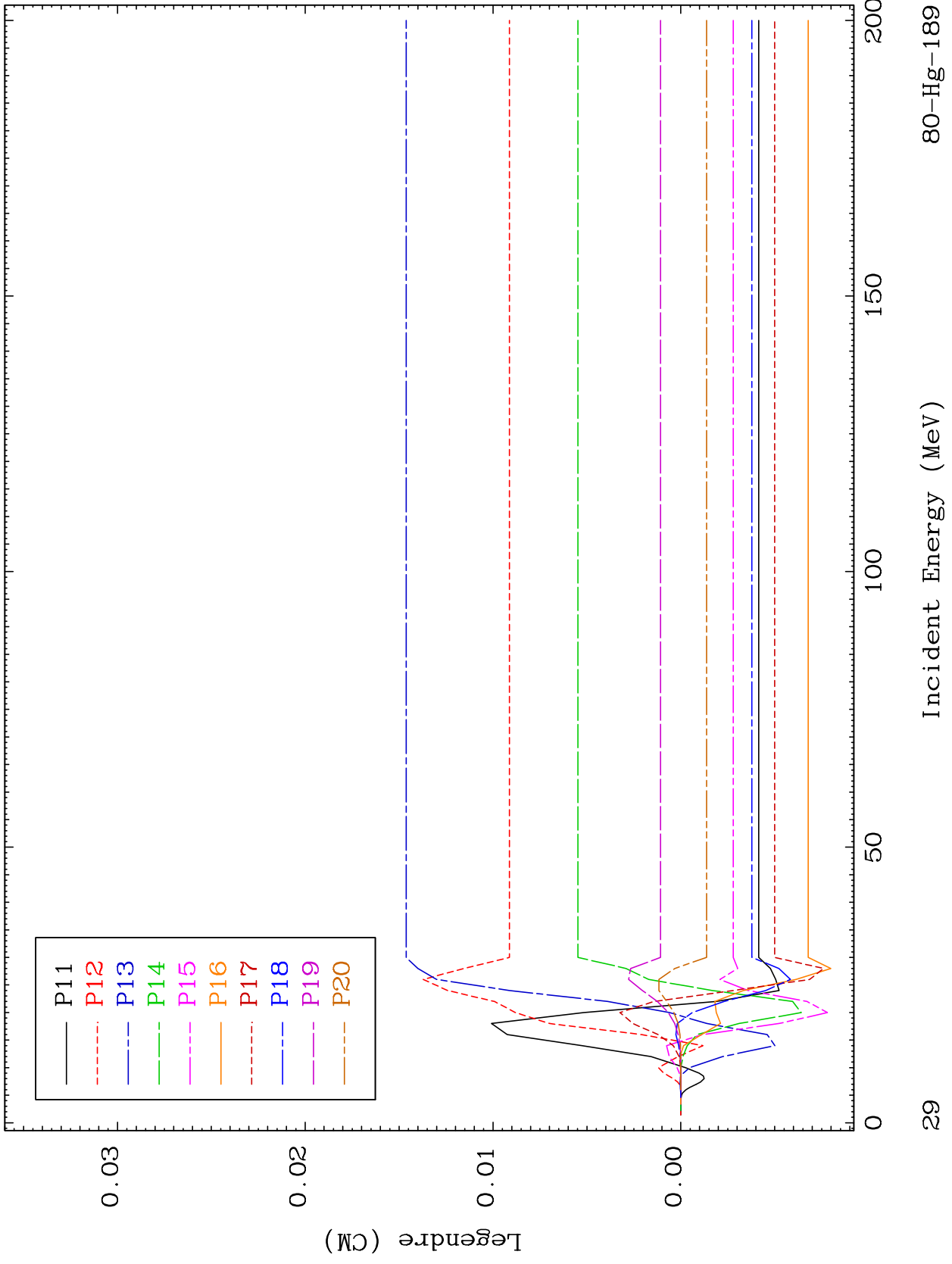
80-Hg-189



MAT 8004

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

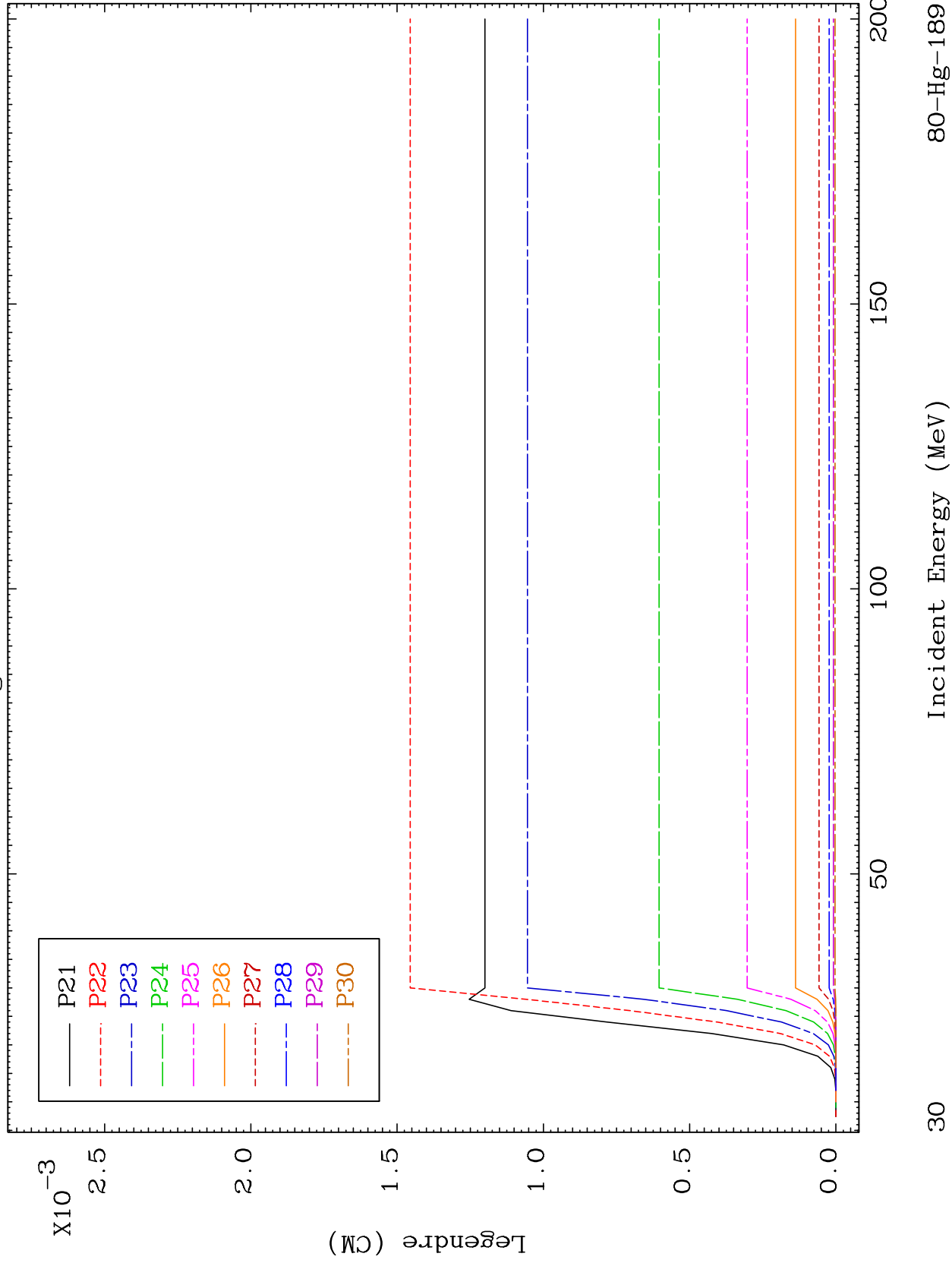
80-Hg-189



MAT 8004

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

80-Hg-189



30

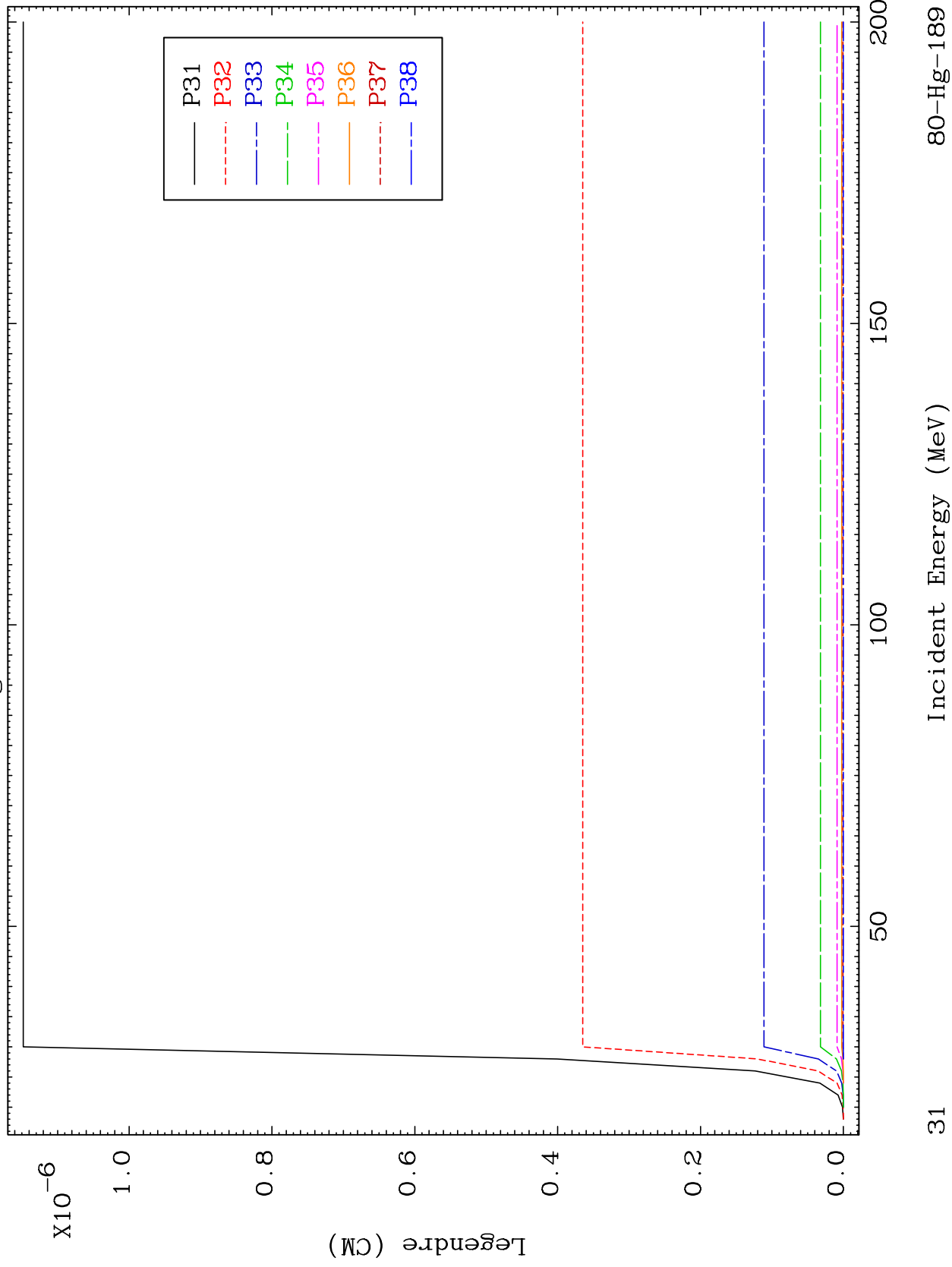
Incident Energy (MeV)

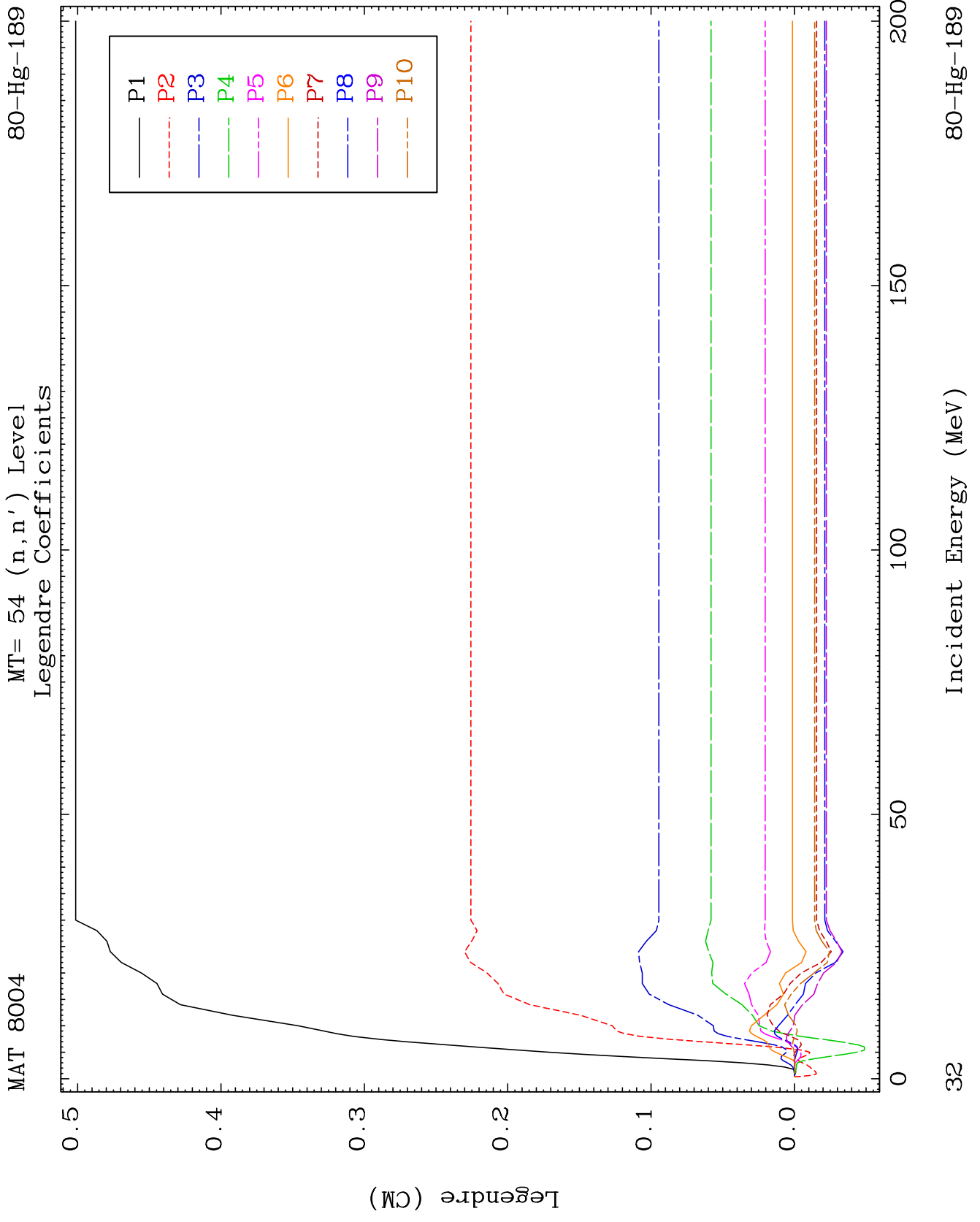
80-Hg-189

MAT 8004

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

80-Hg-189

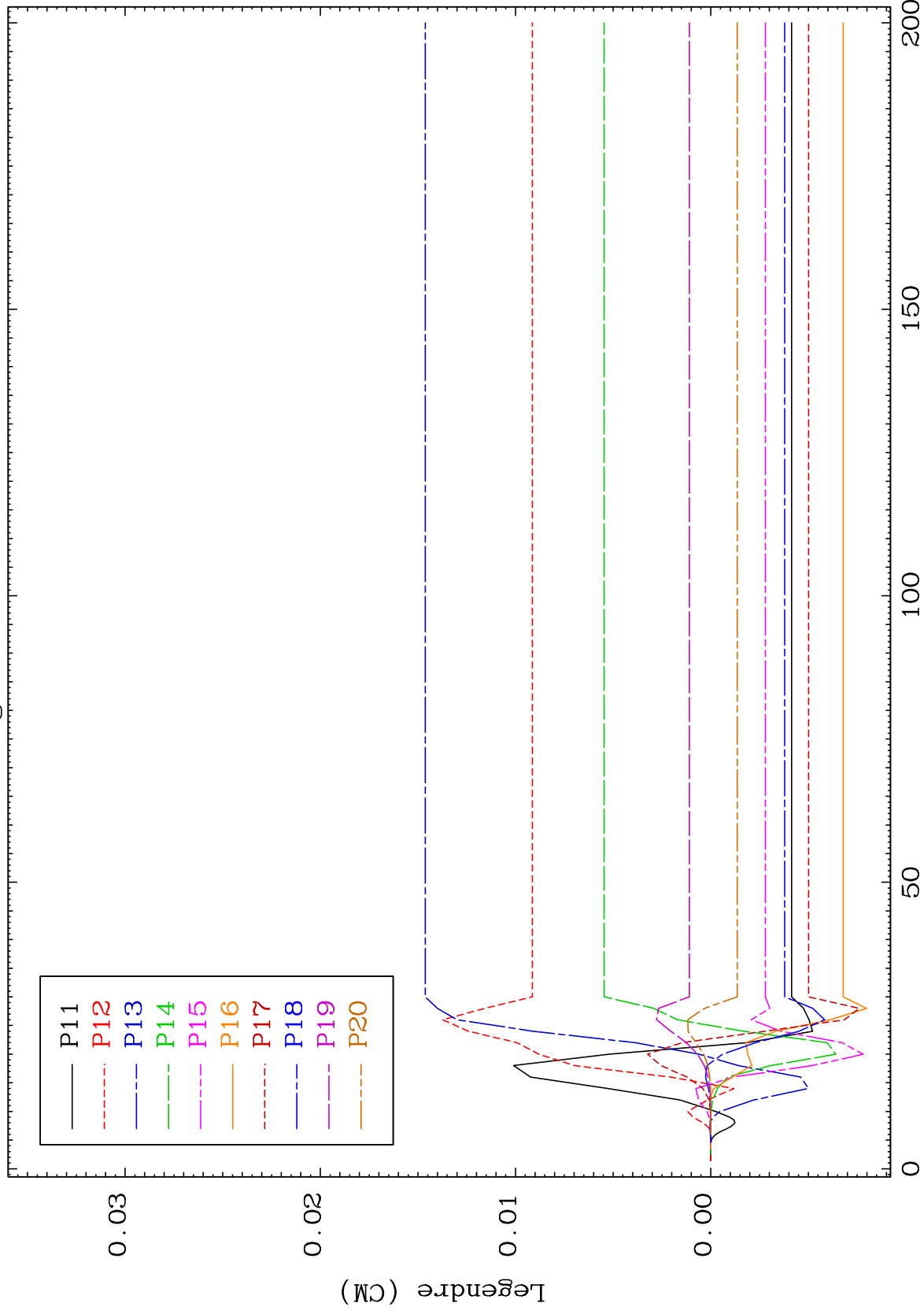




MAT 8004

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

80-Hg-189



33

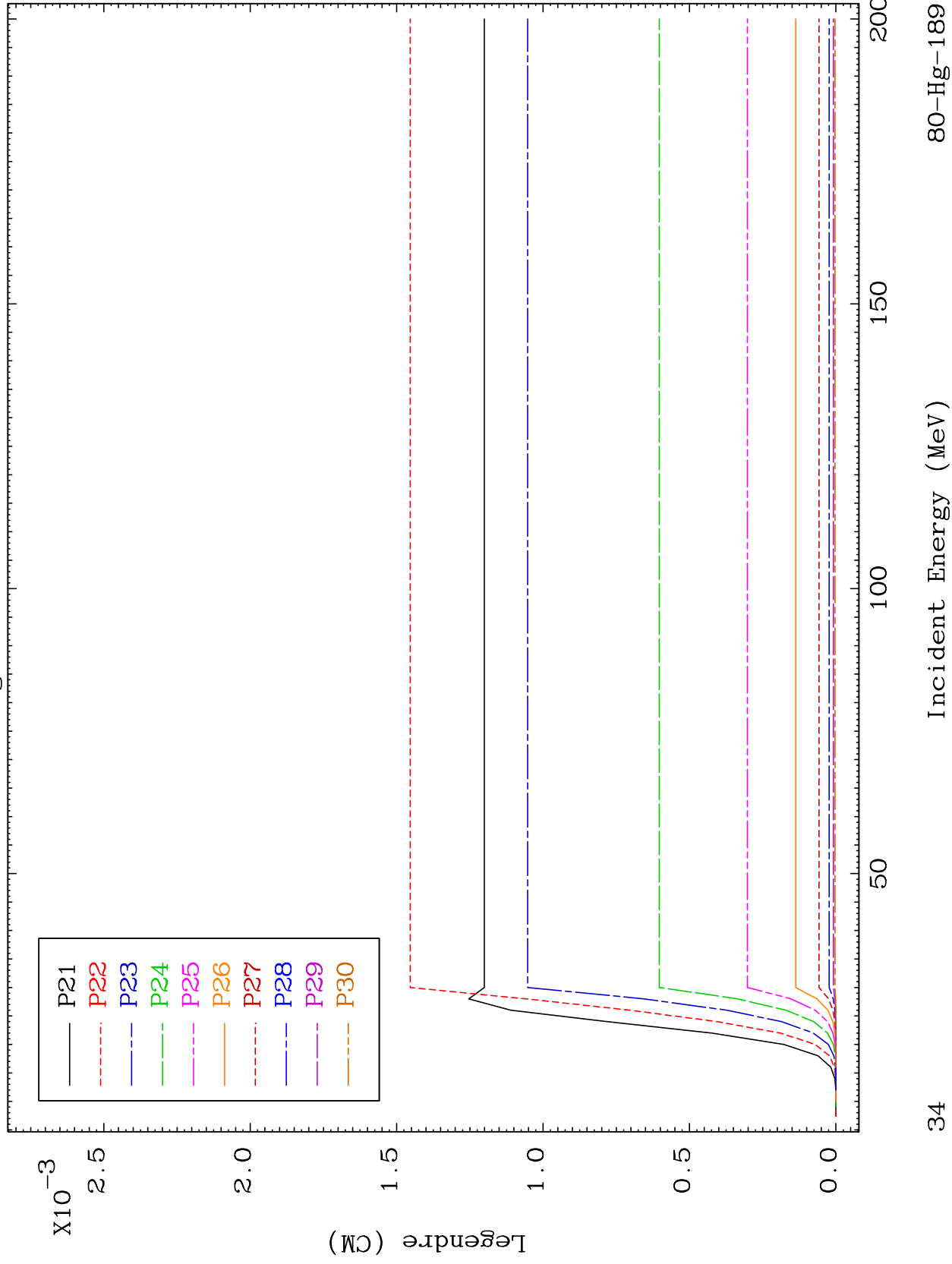
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

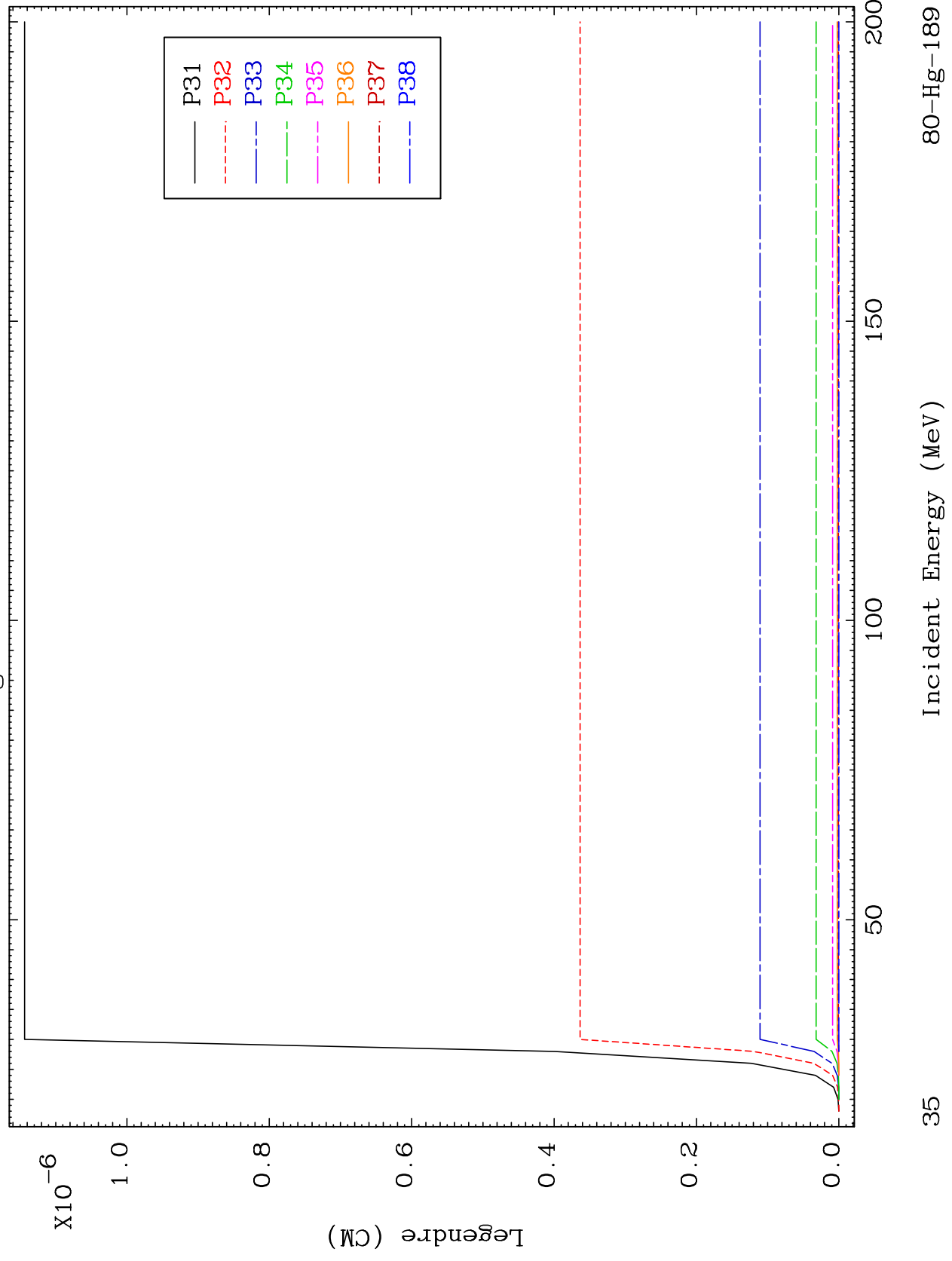
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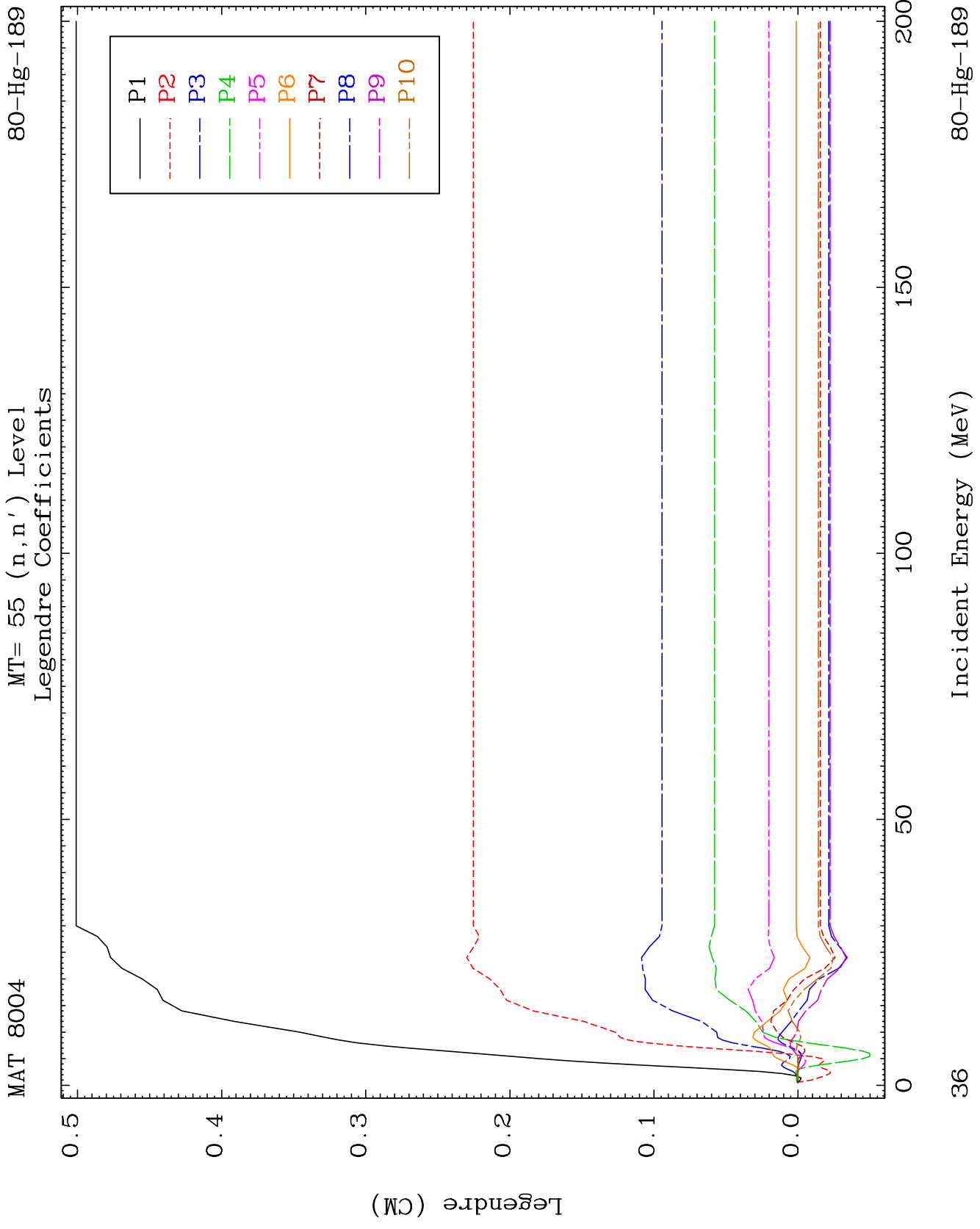


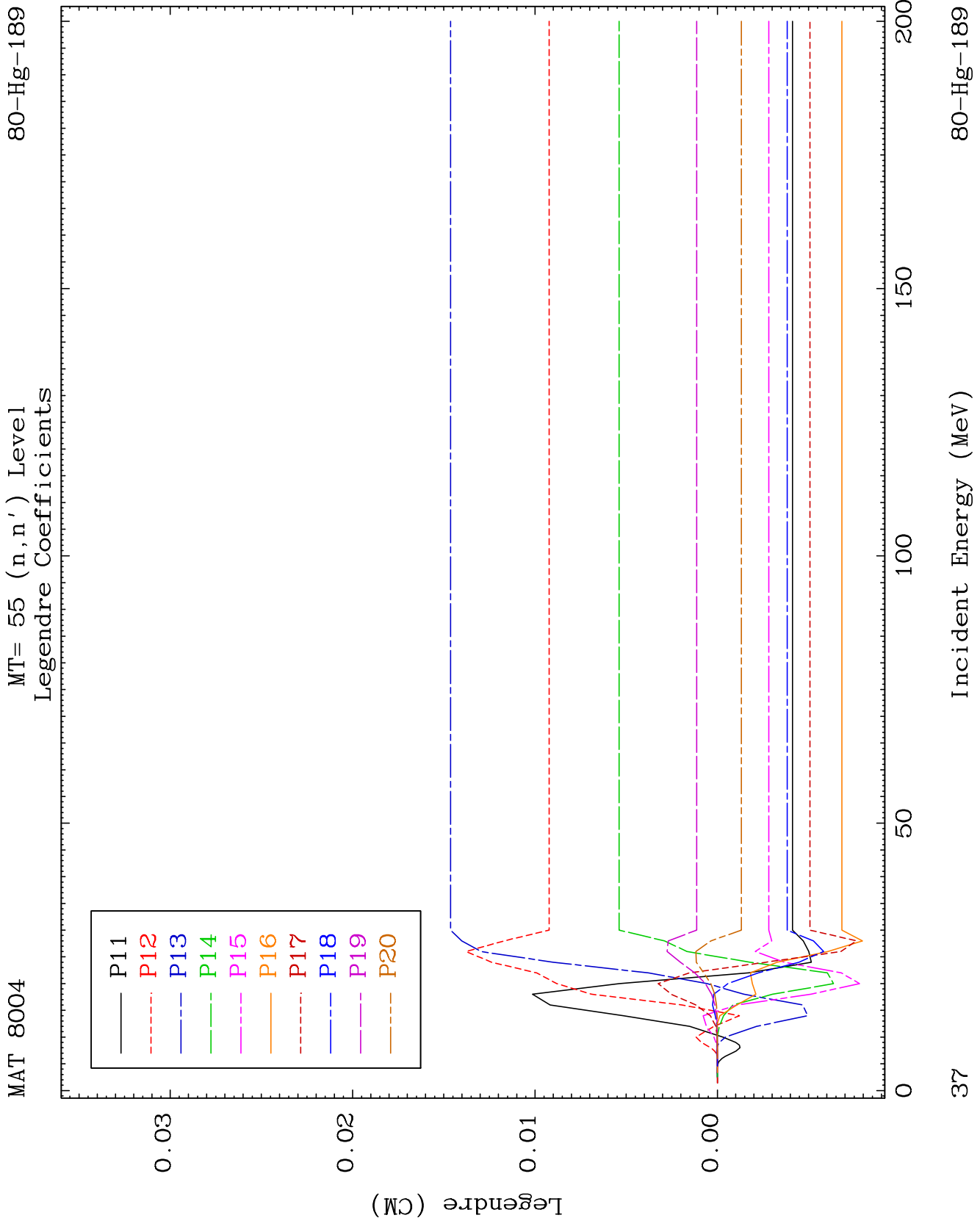
MAT 8004

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

80-Hg-189



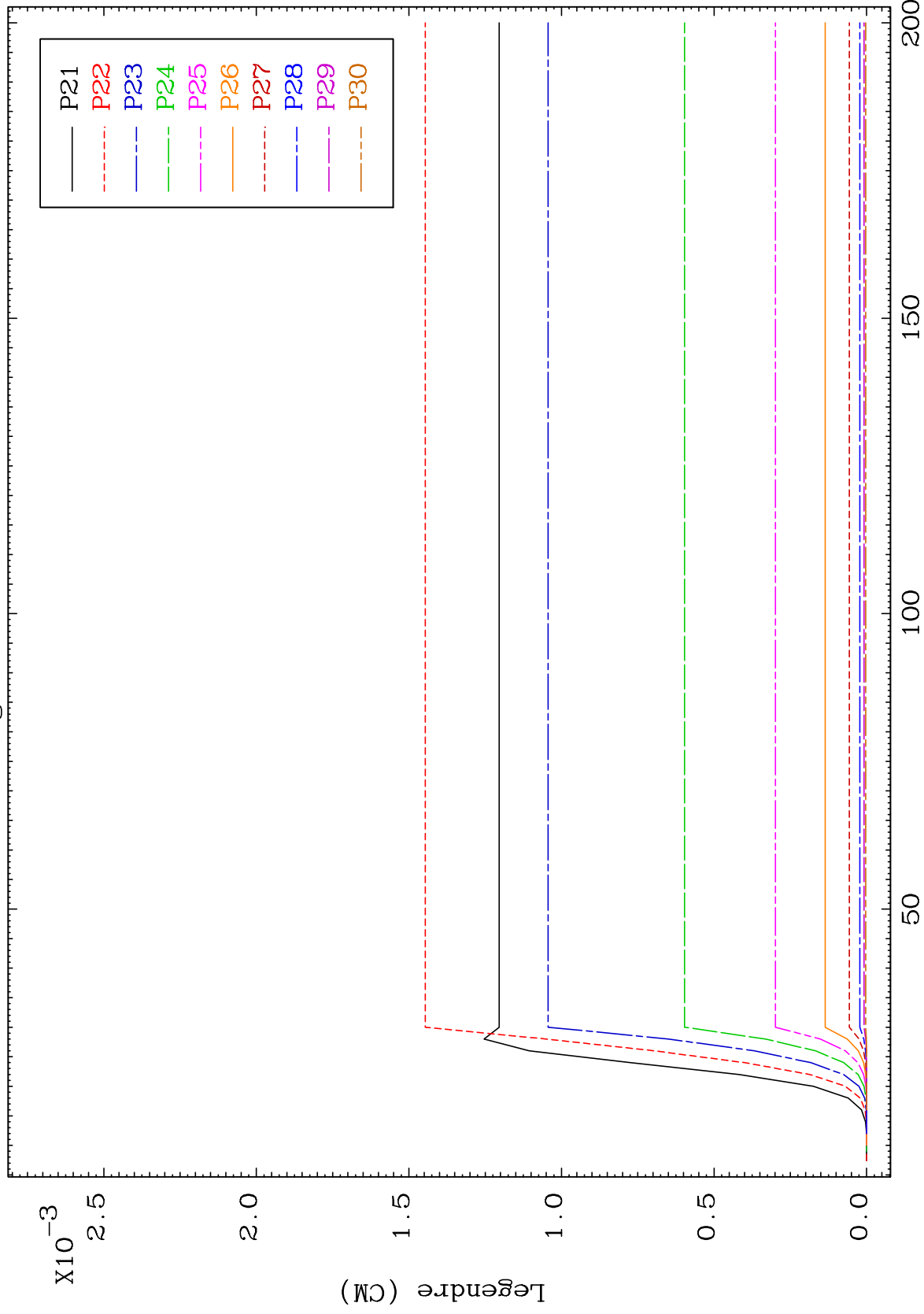




MAT 8004

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

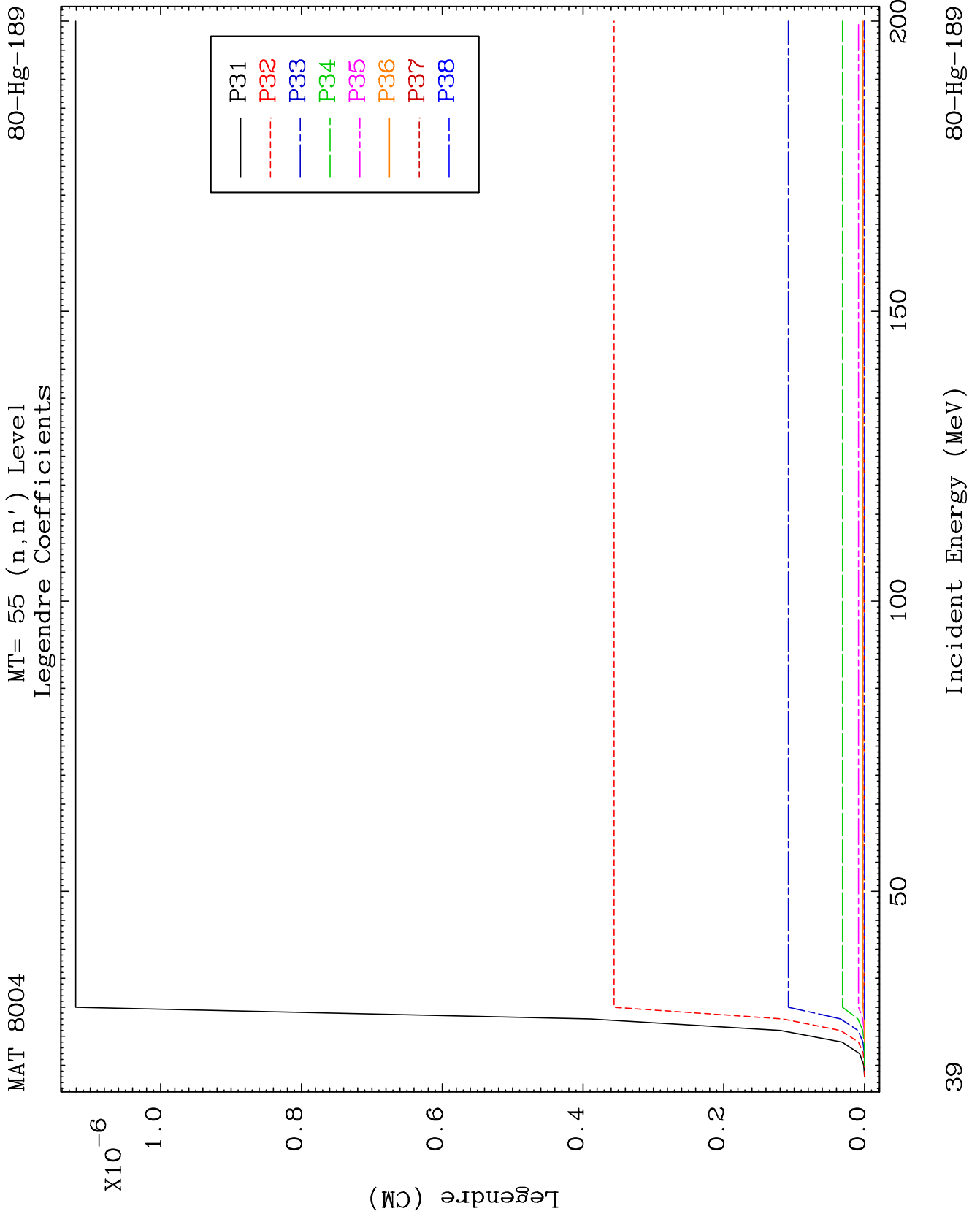
80-Hg-189

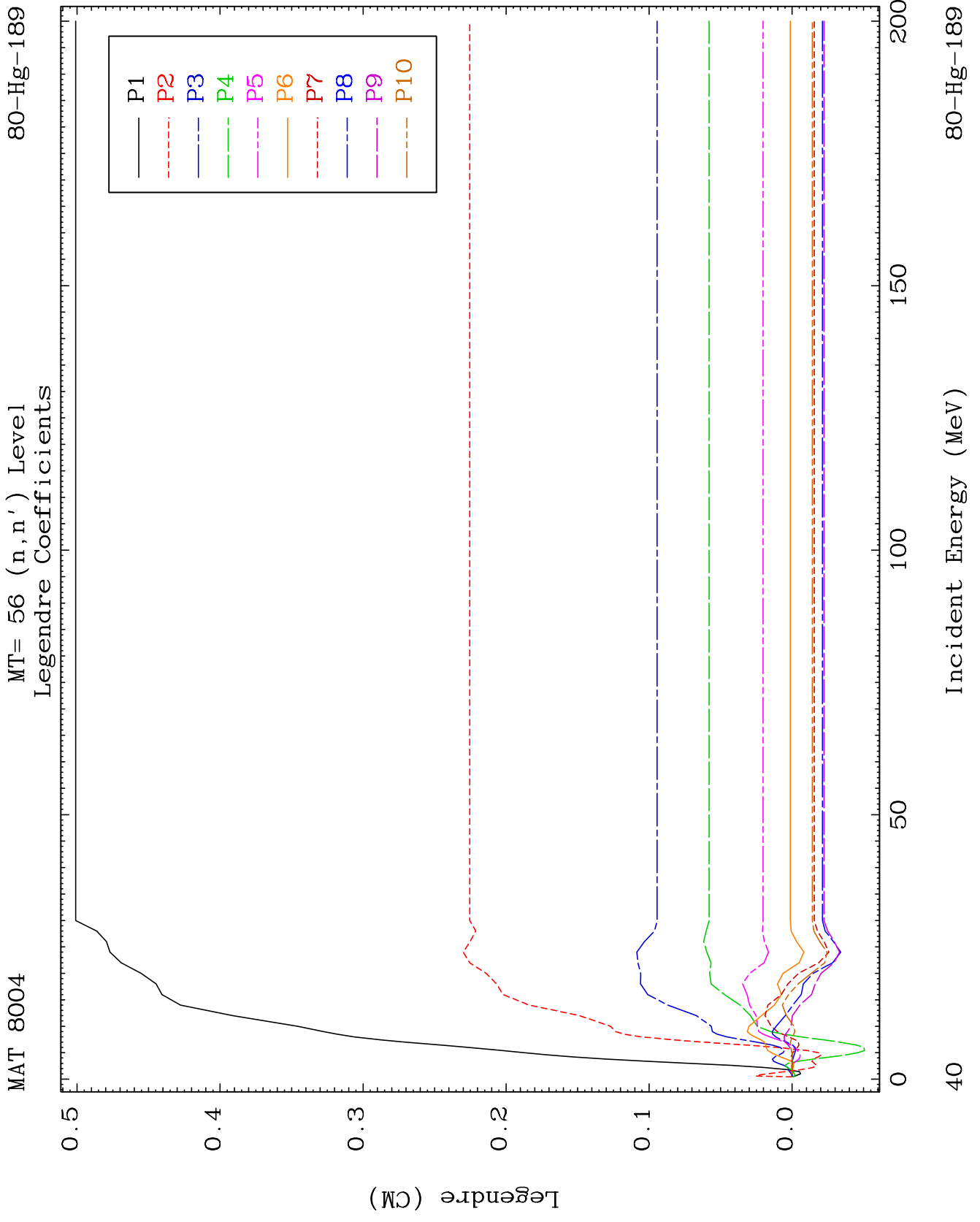


38

Incident Energy (MeV)

80-Hg-189

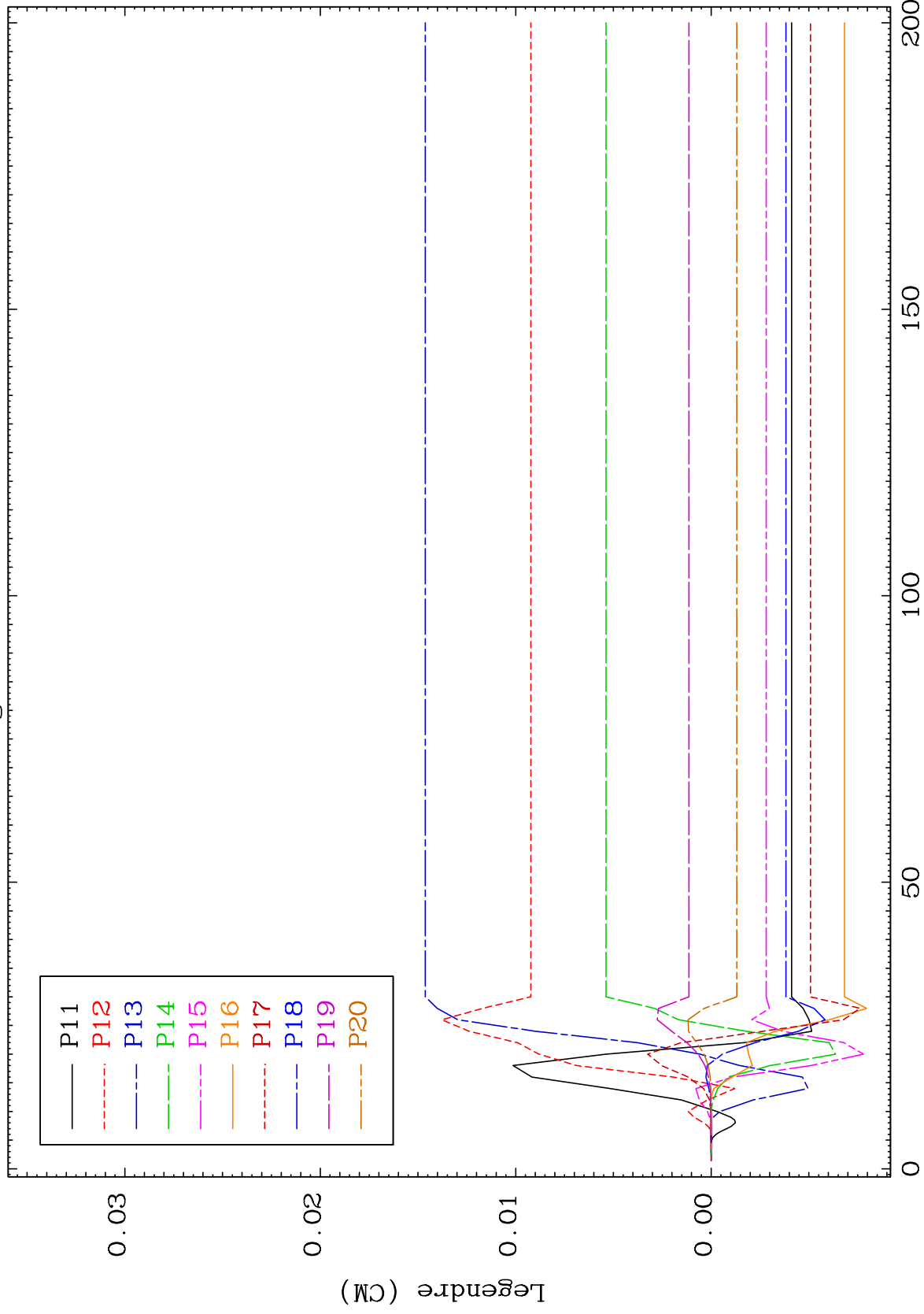




MAT 8004

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

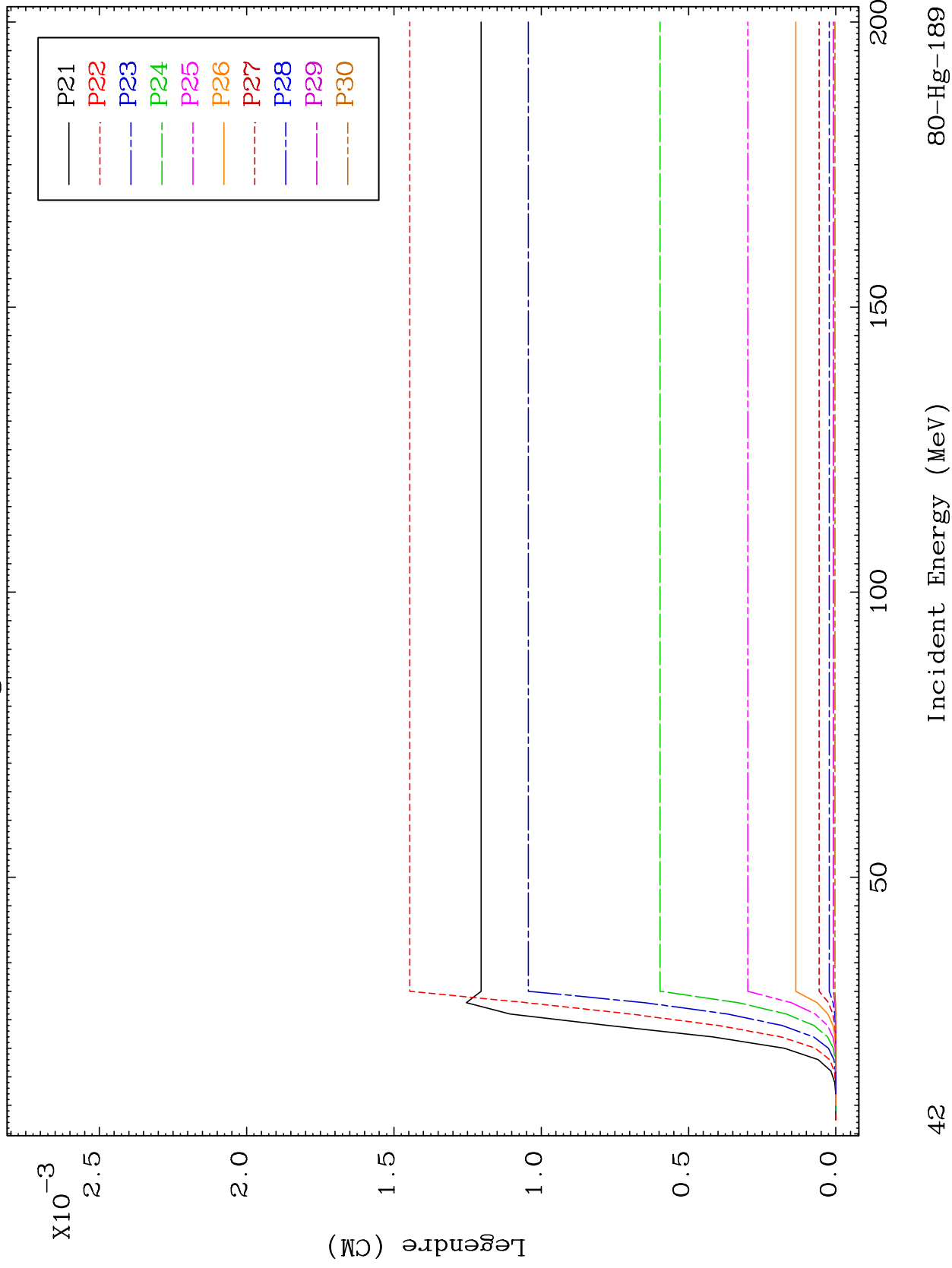
80-Hg-189



MAT 8004

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

80-Hg-189



42

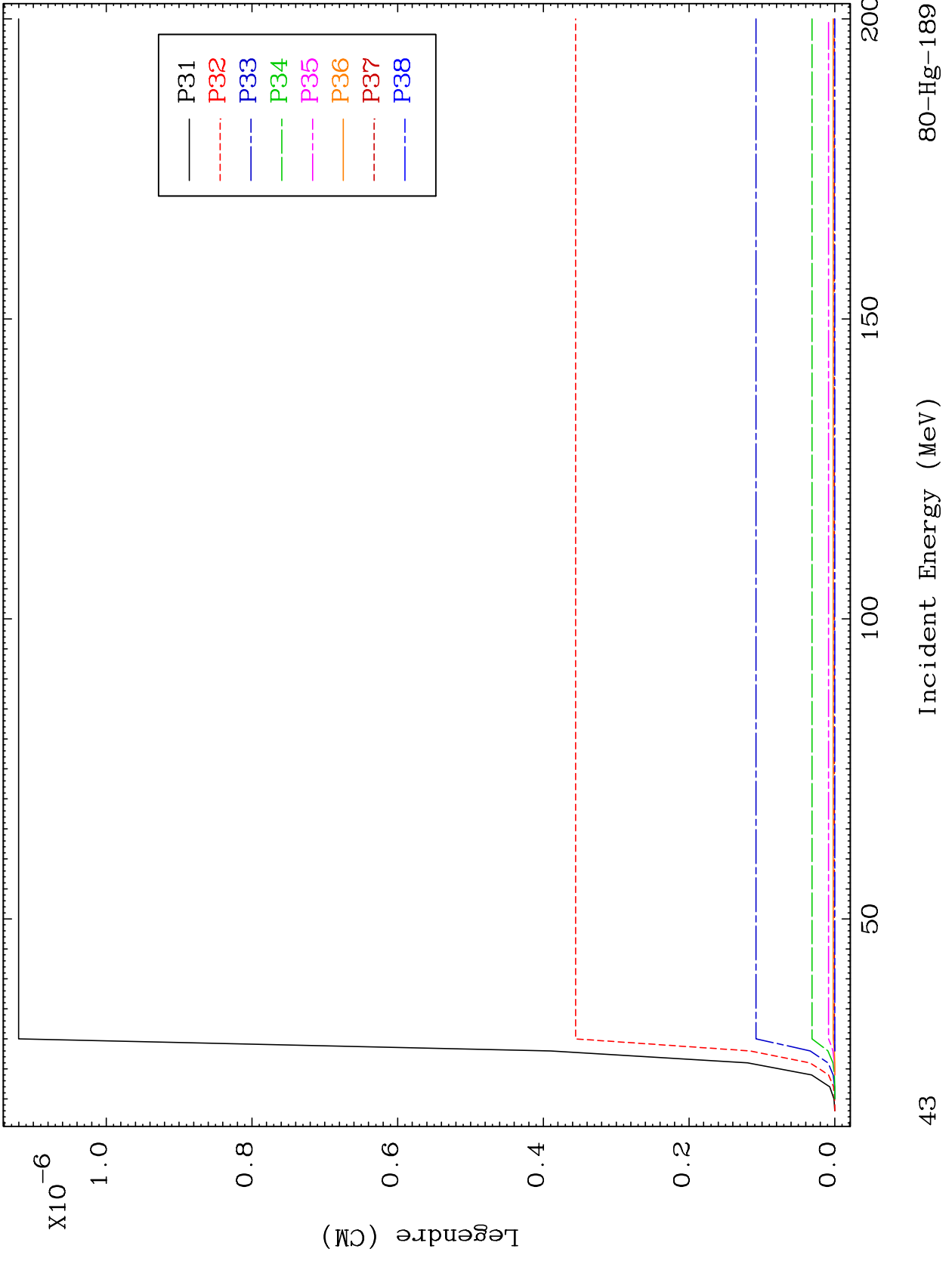
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

80-Hg-189



43

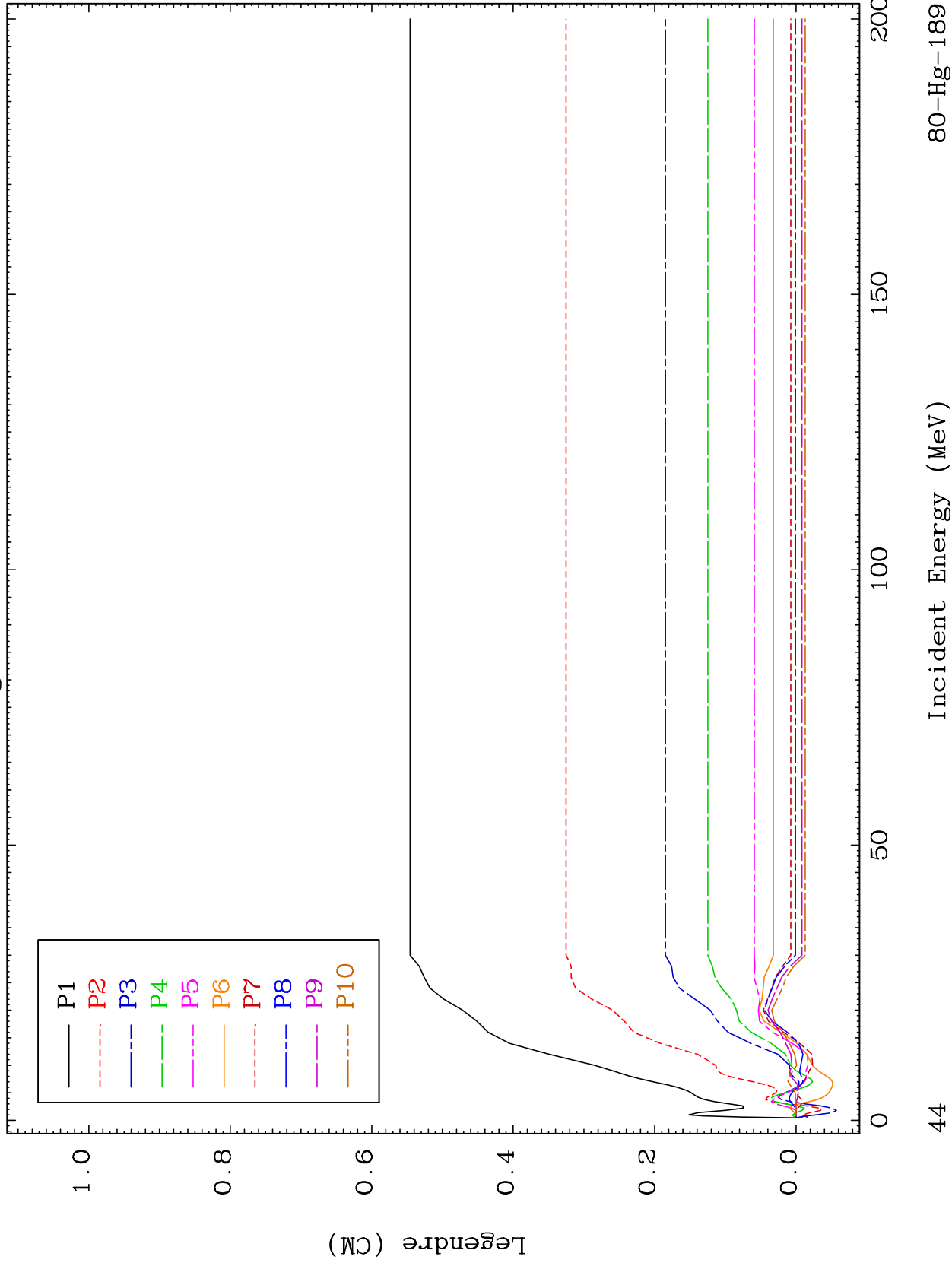
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

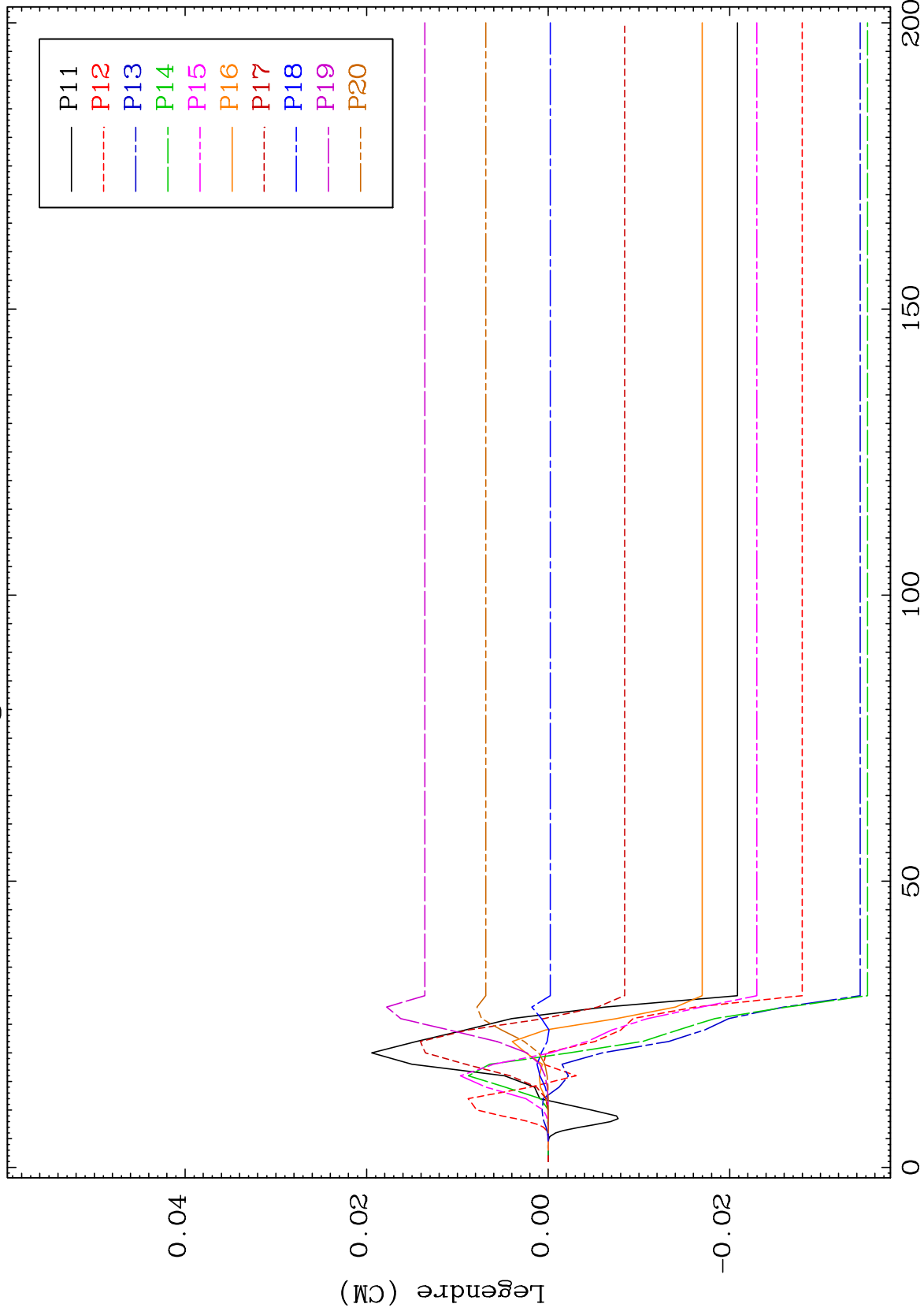
80-Hg-189



MAT 8004

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

80-Hg-189



80-Hg-189

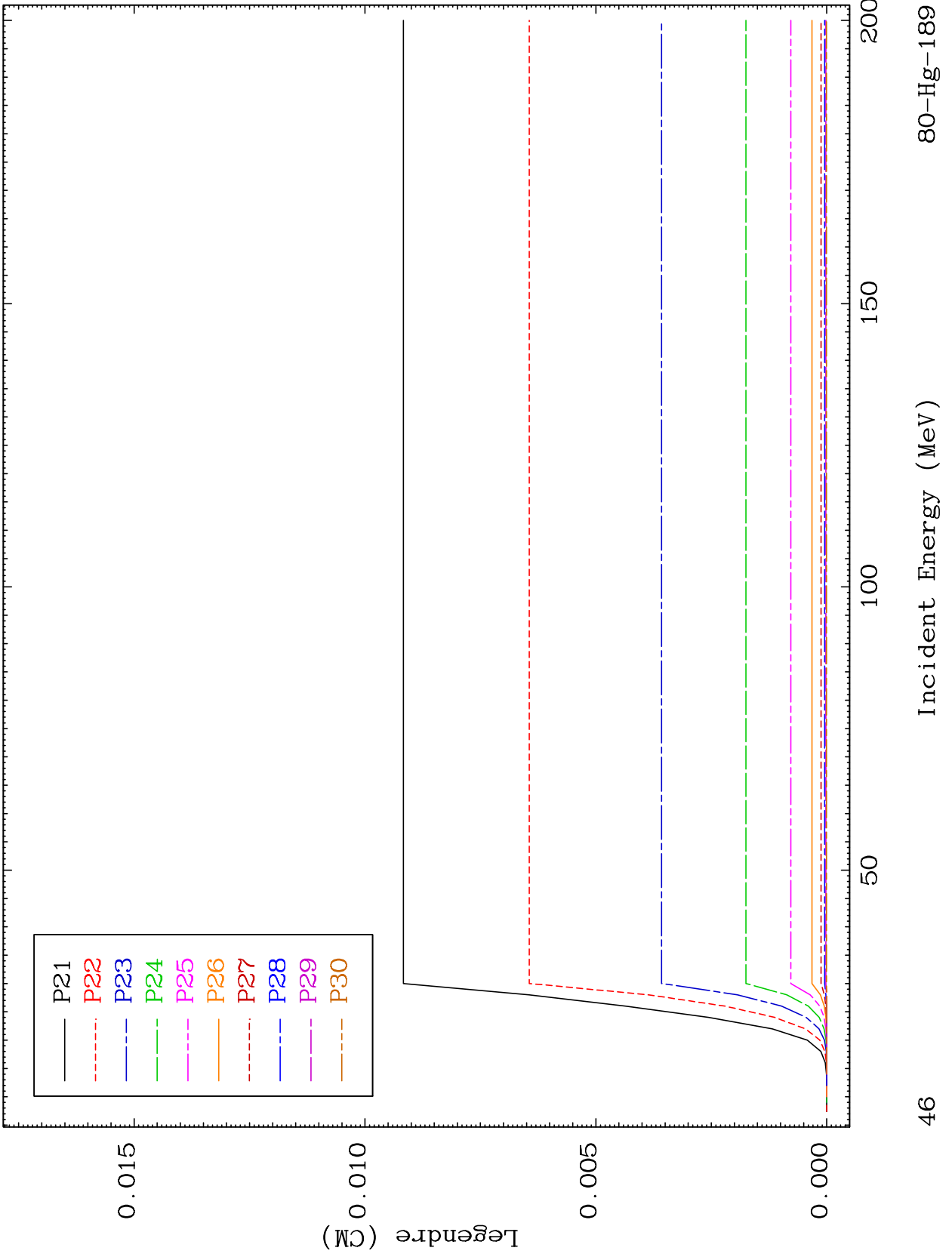
Incident Energy (MeV)

45

MAT 8004

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

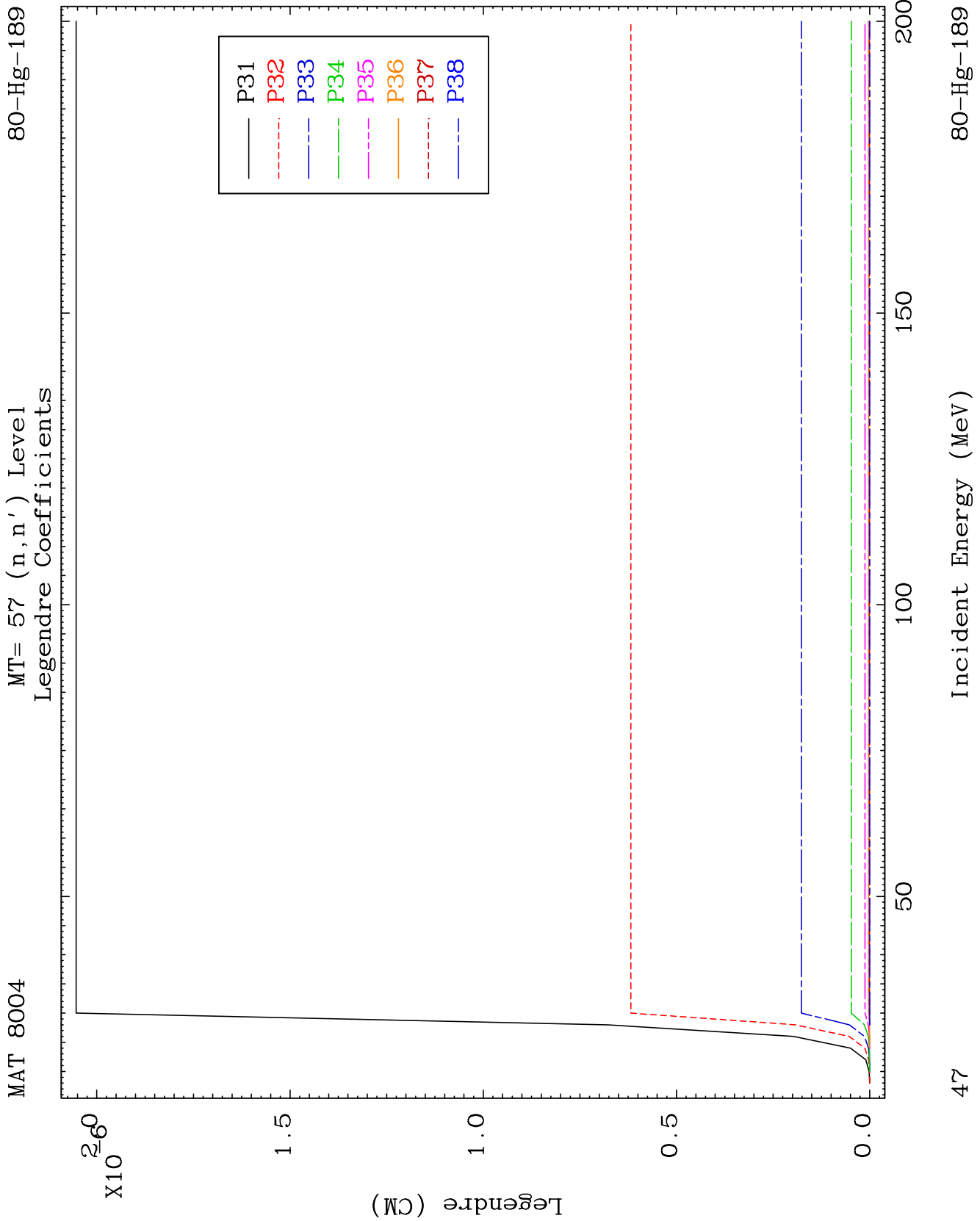
80-Hg-189



46

Incident Energy (MeV)

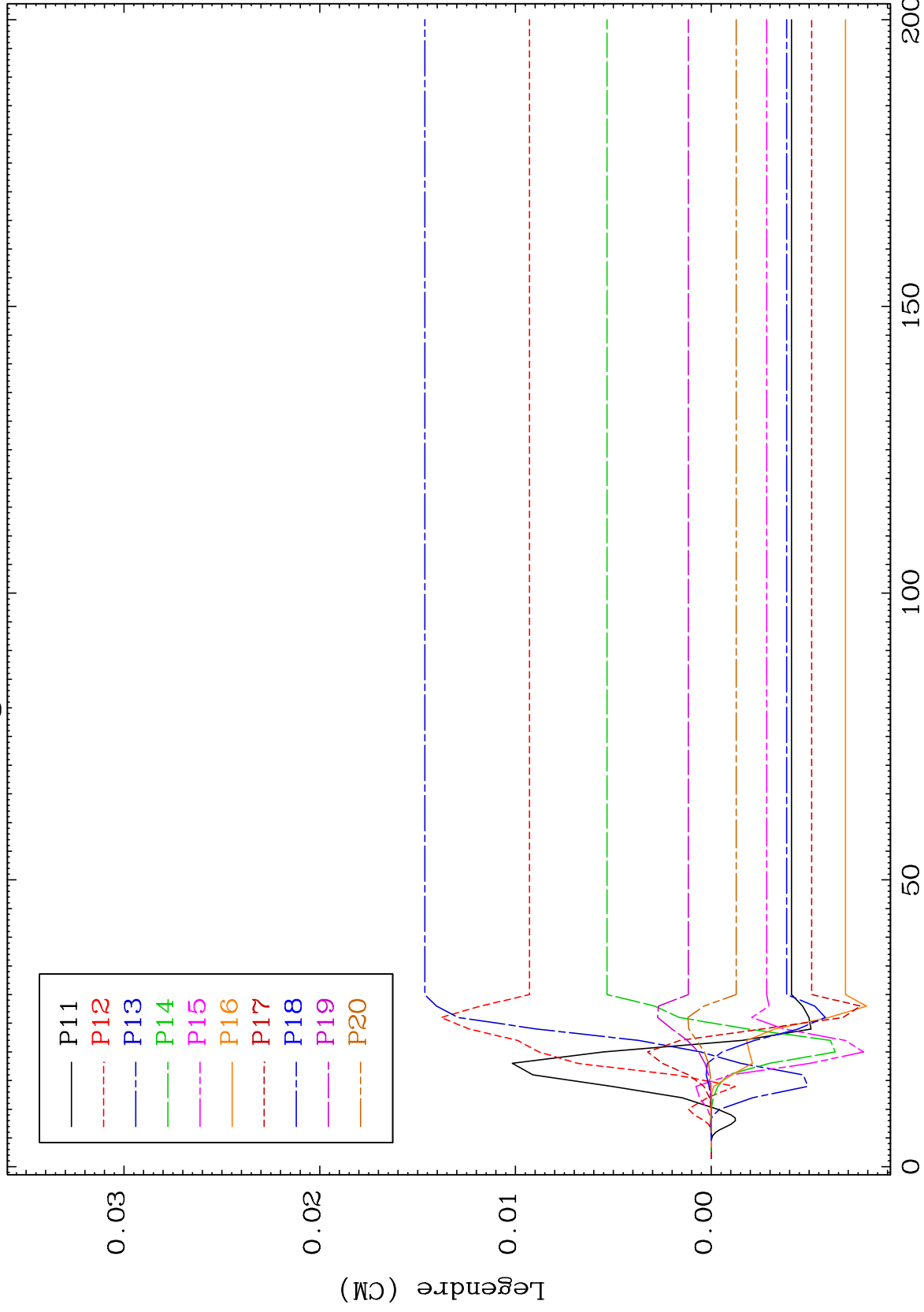
80-Hg-189



MAT 8004

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

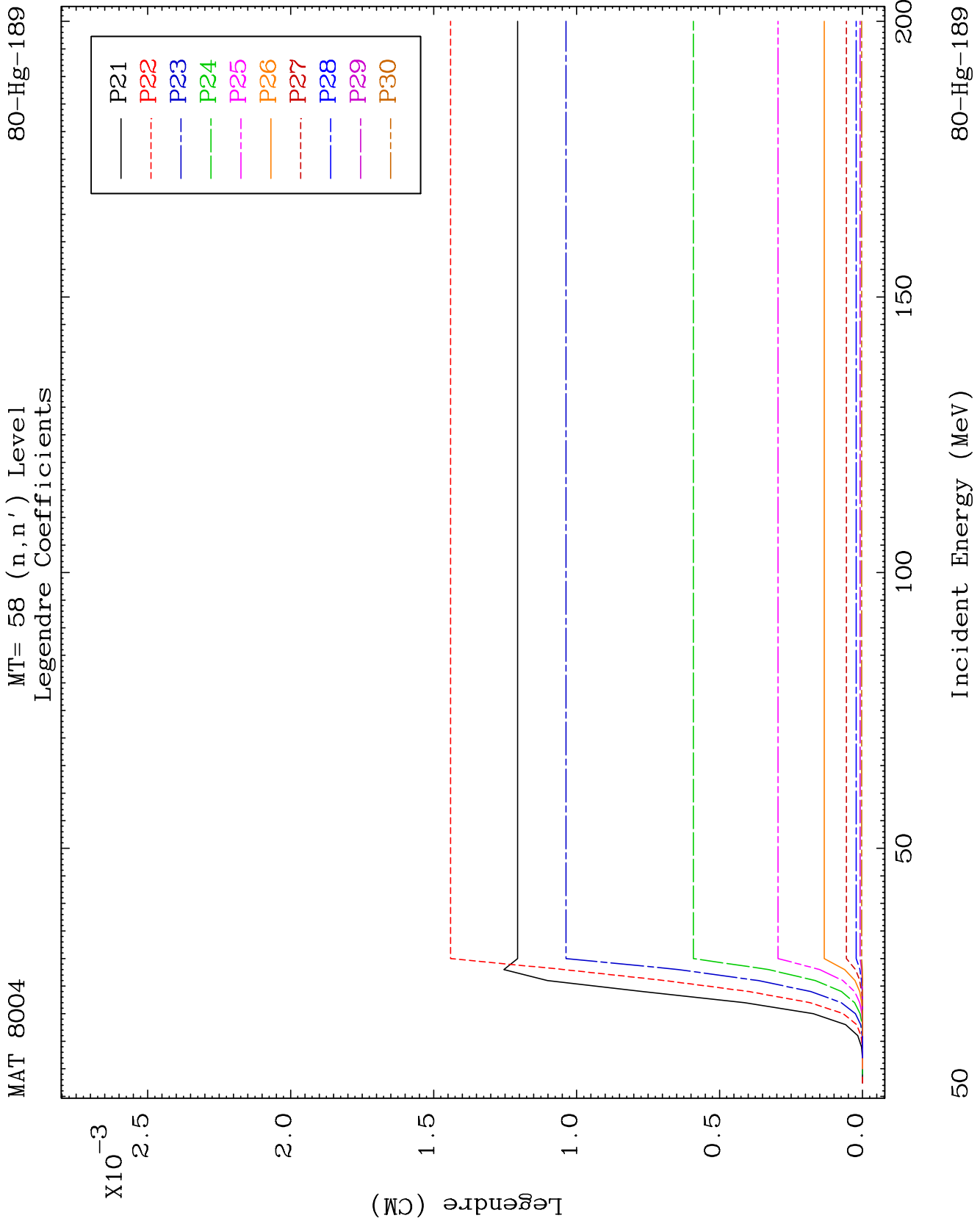
80-Hg-189



49

Incident Energy (MeV)

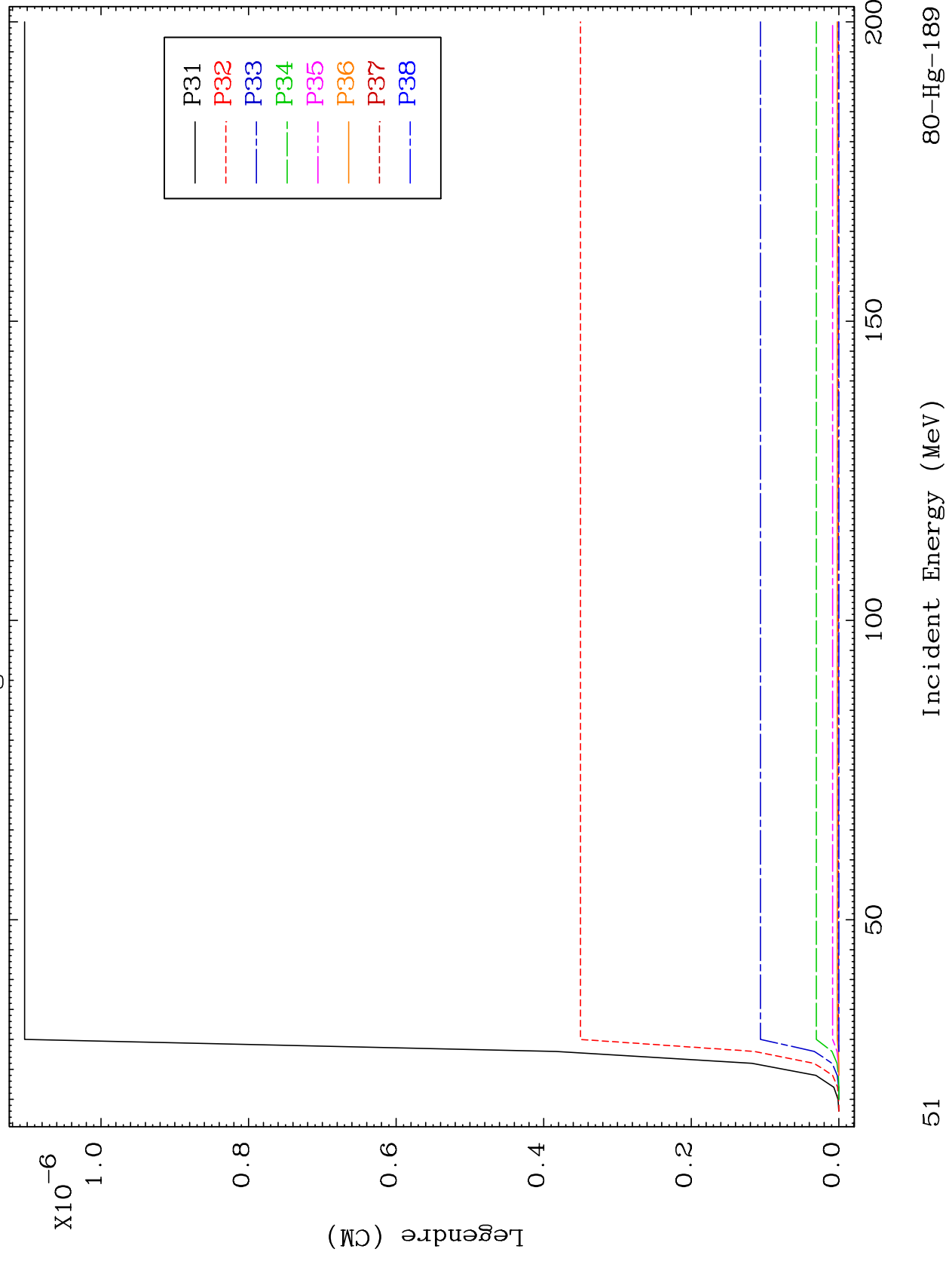
80-Hg-189



MAT 8004

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

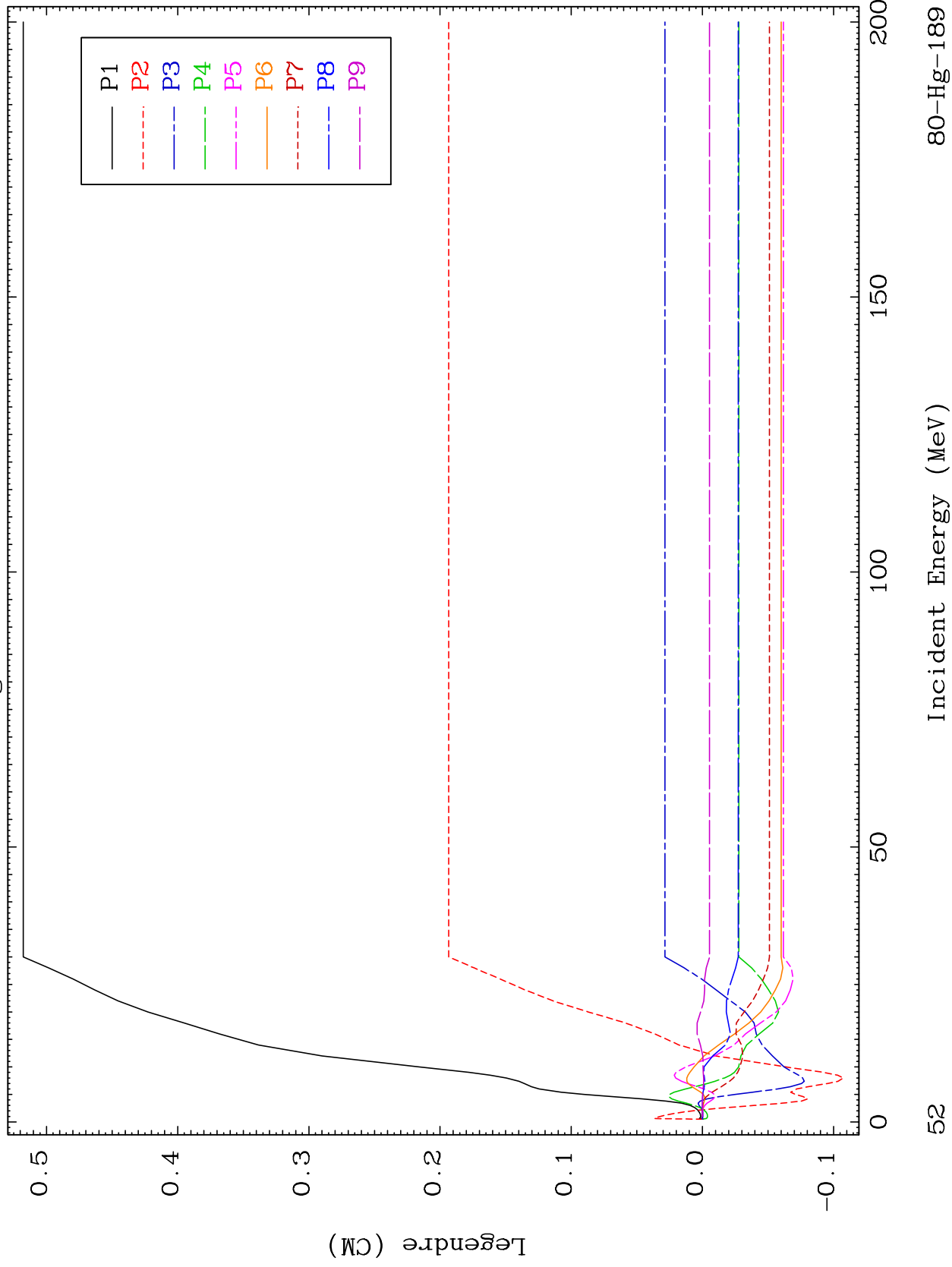
80-Hg-189



MAT 8004

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

80-Hg-189



52

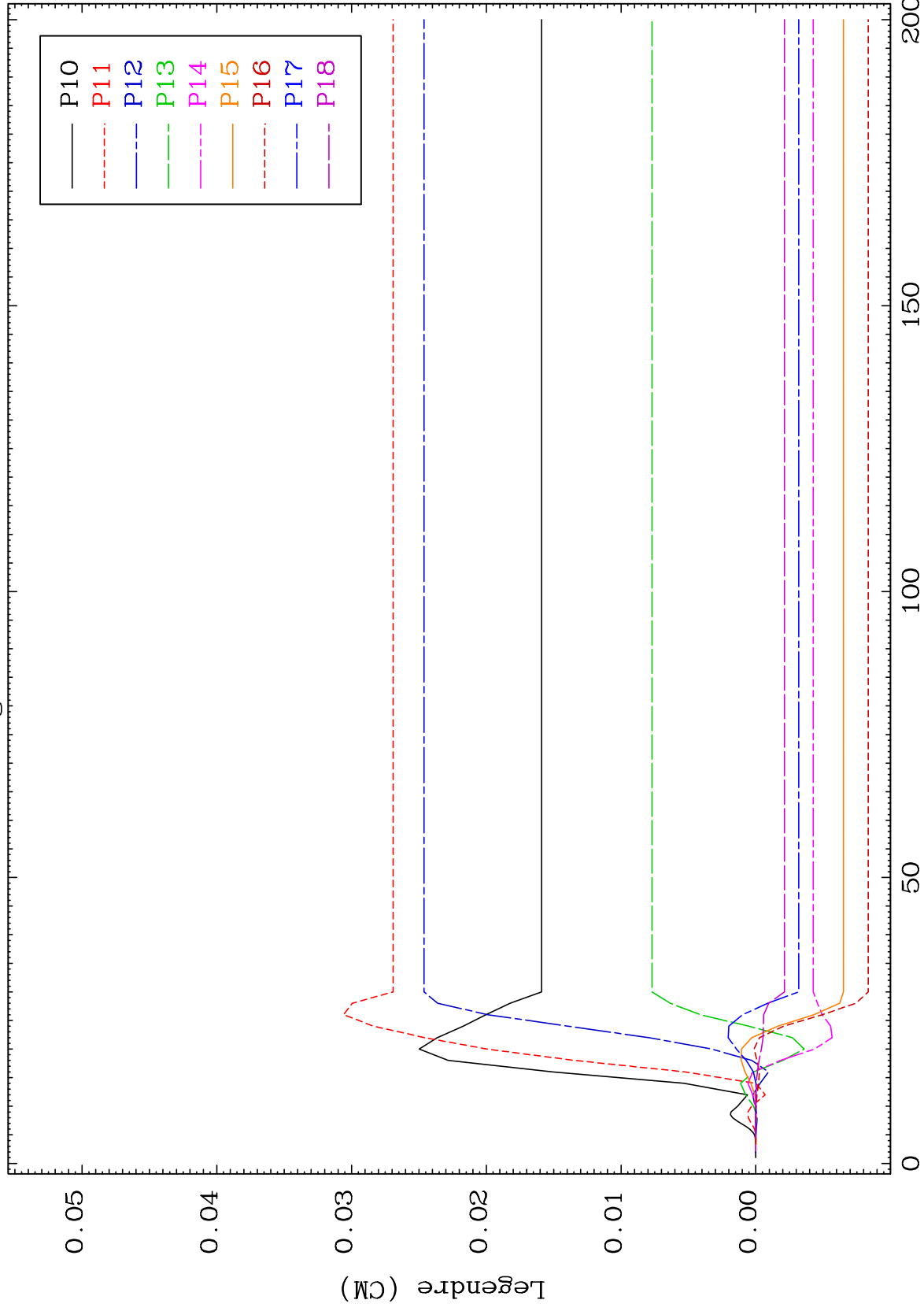
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

80-Hg-189



53

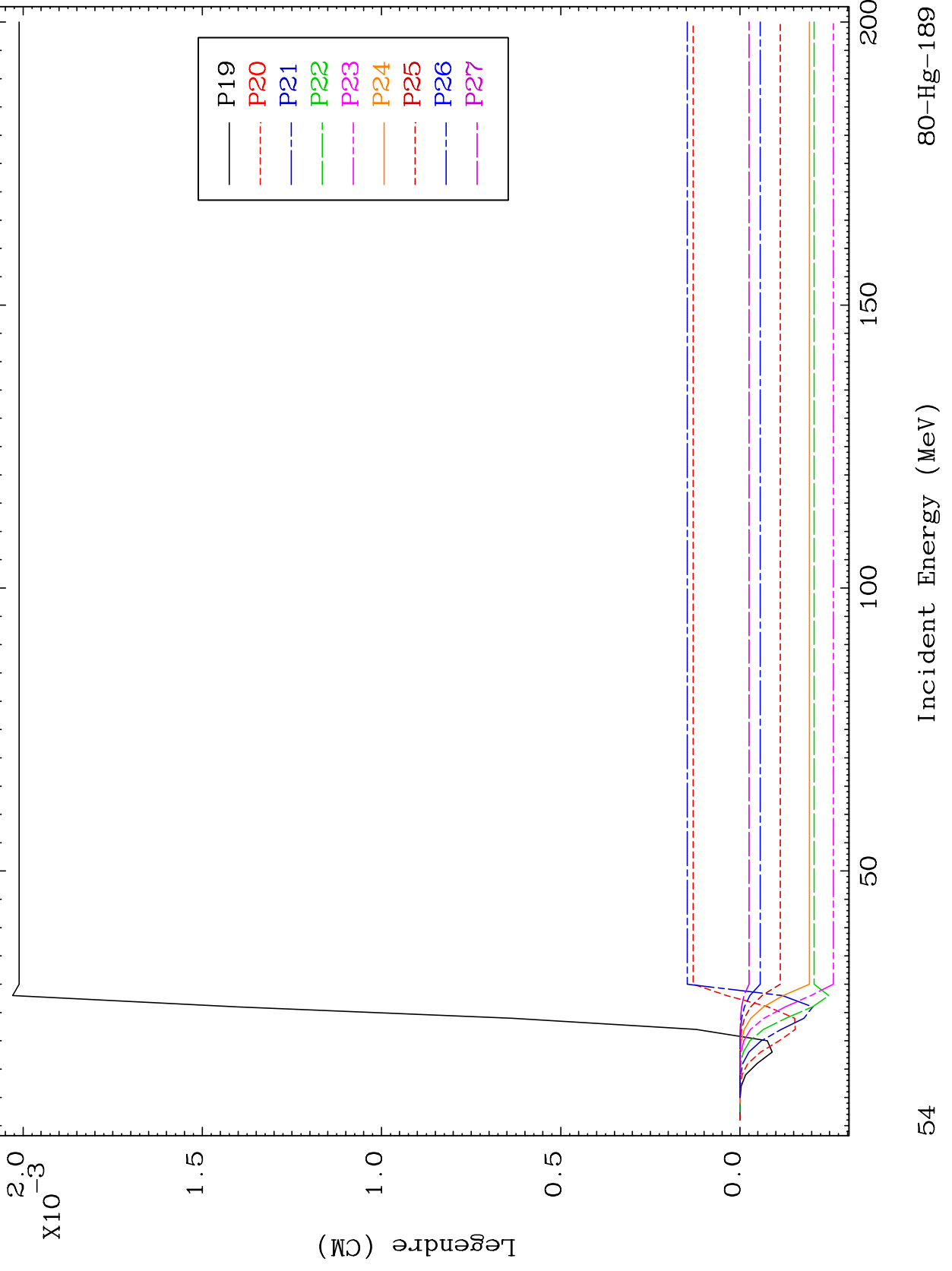
Incident Energy (MeV)

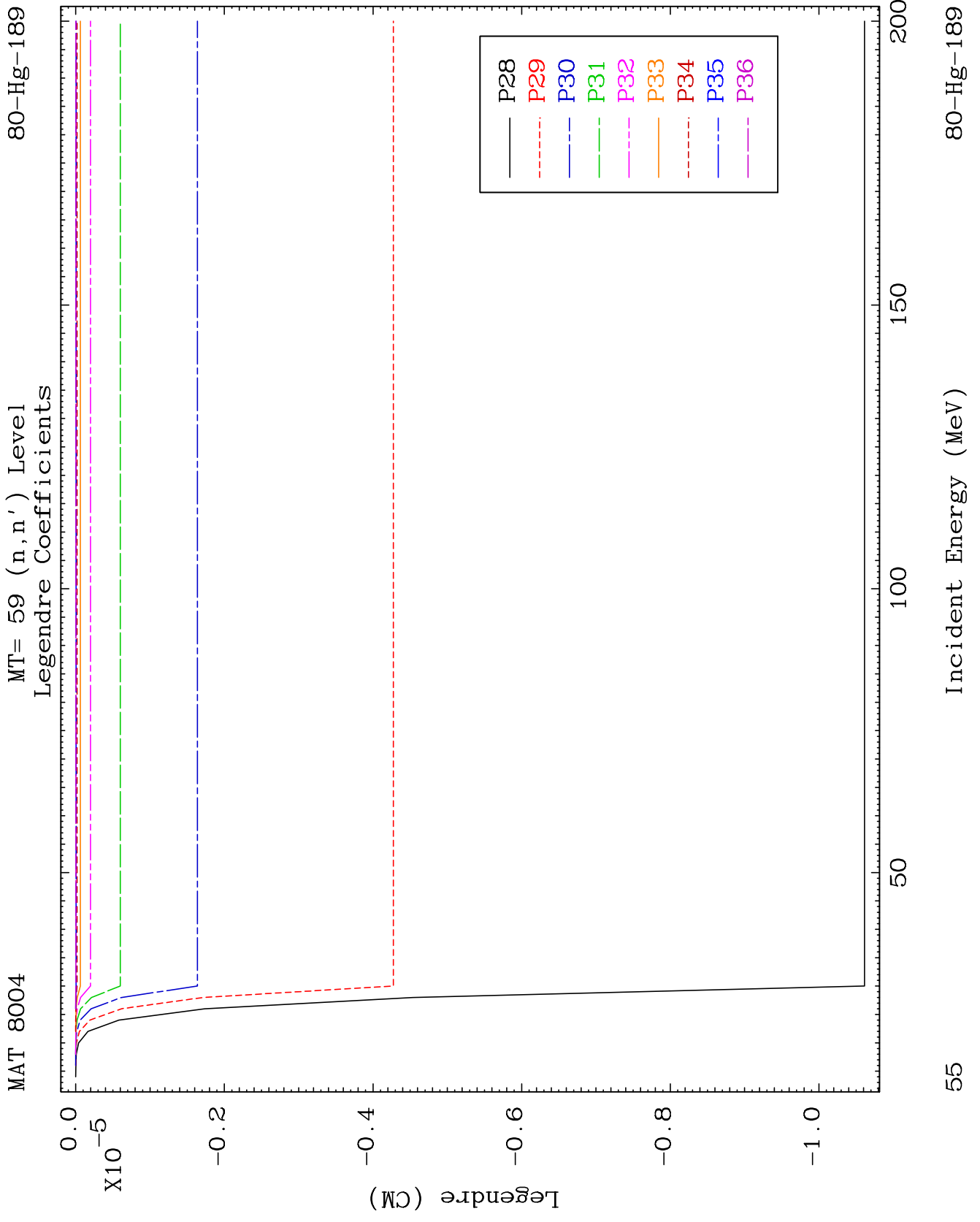
80-Hg-189

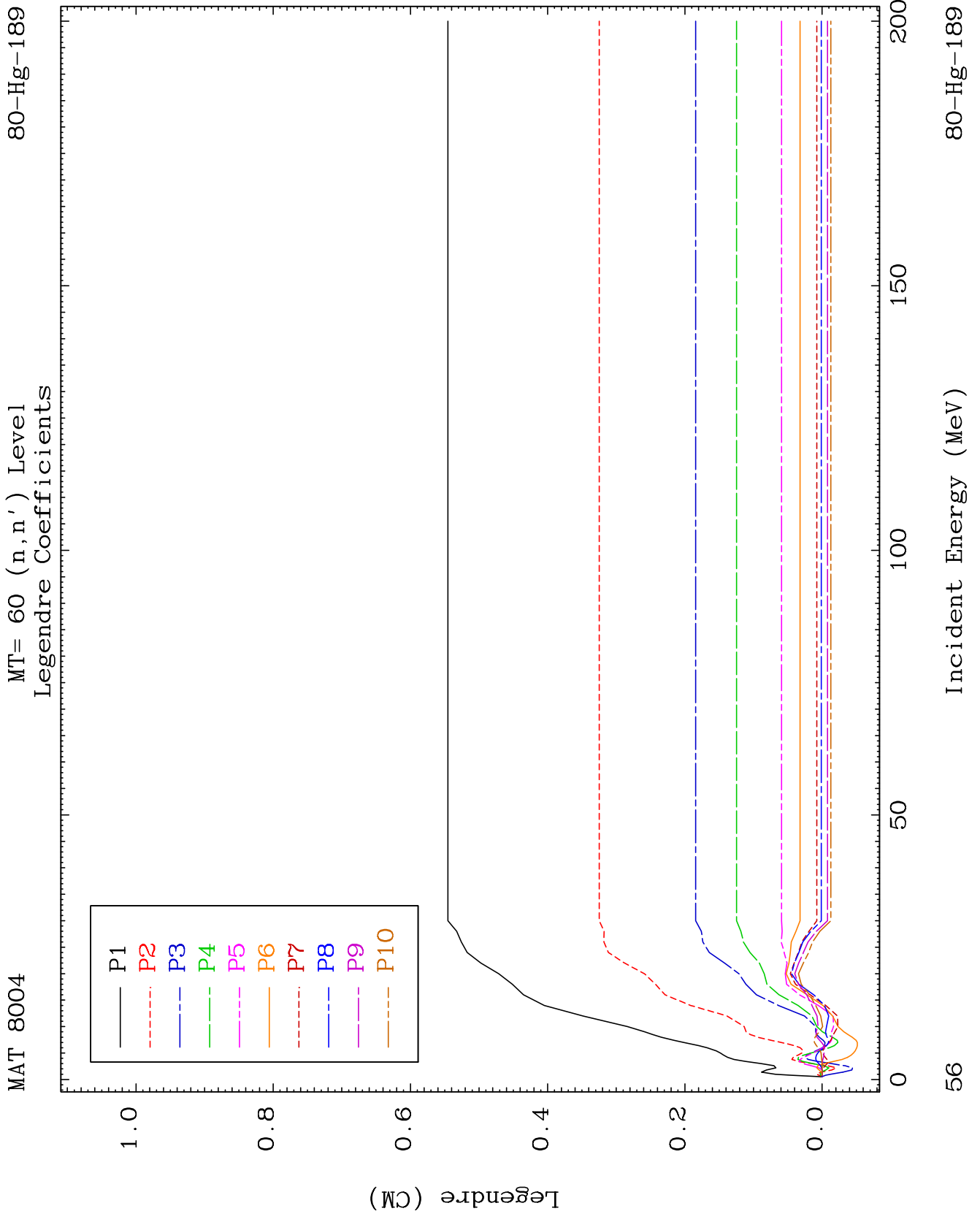
MAT 8004

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

80-Hg-189



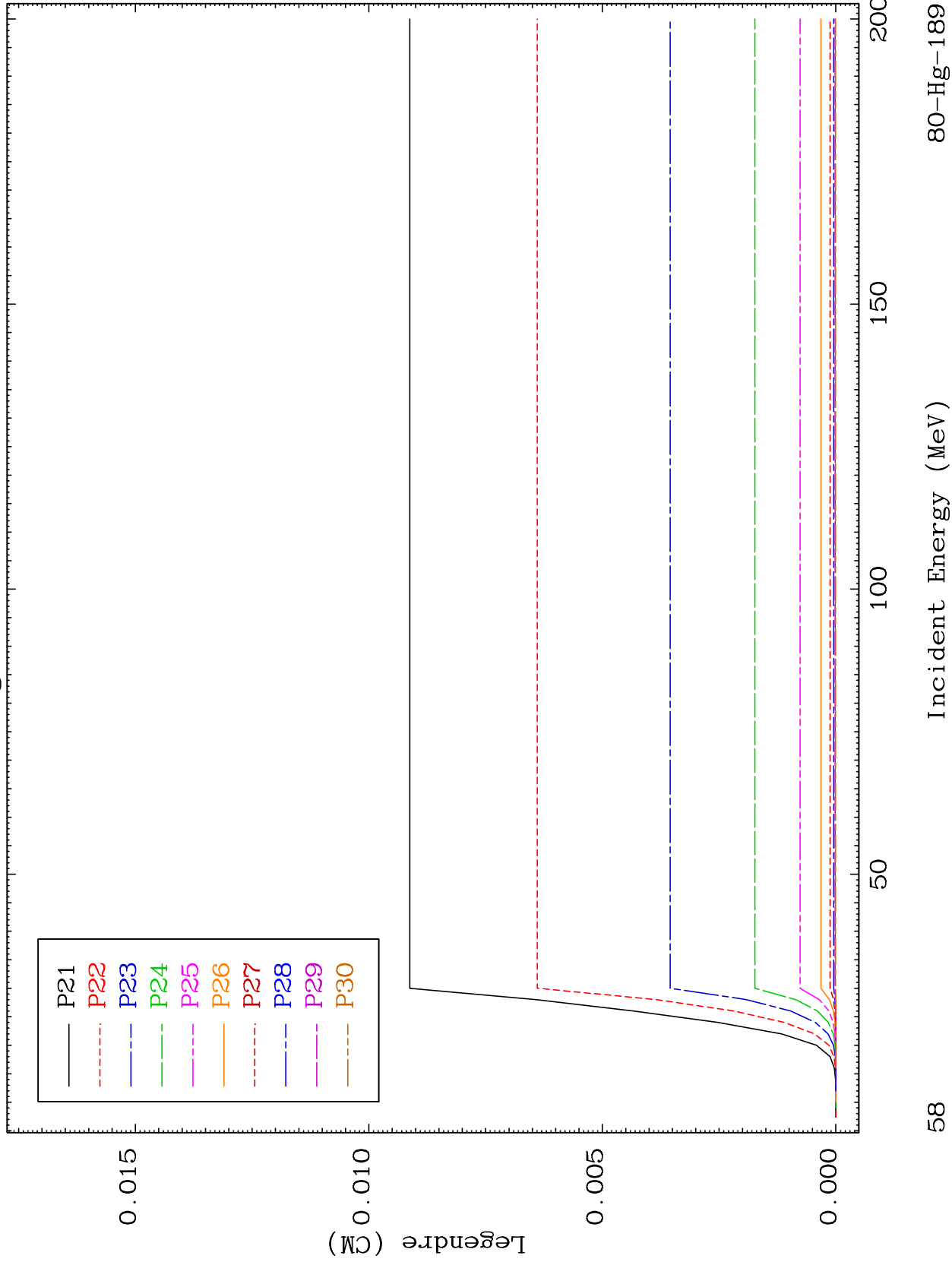




MAT 8004

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

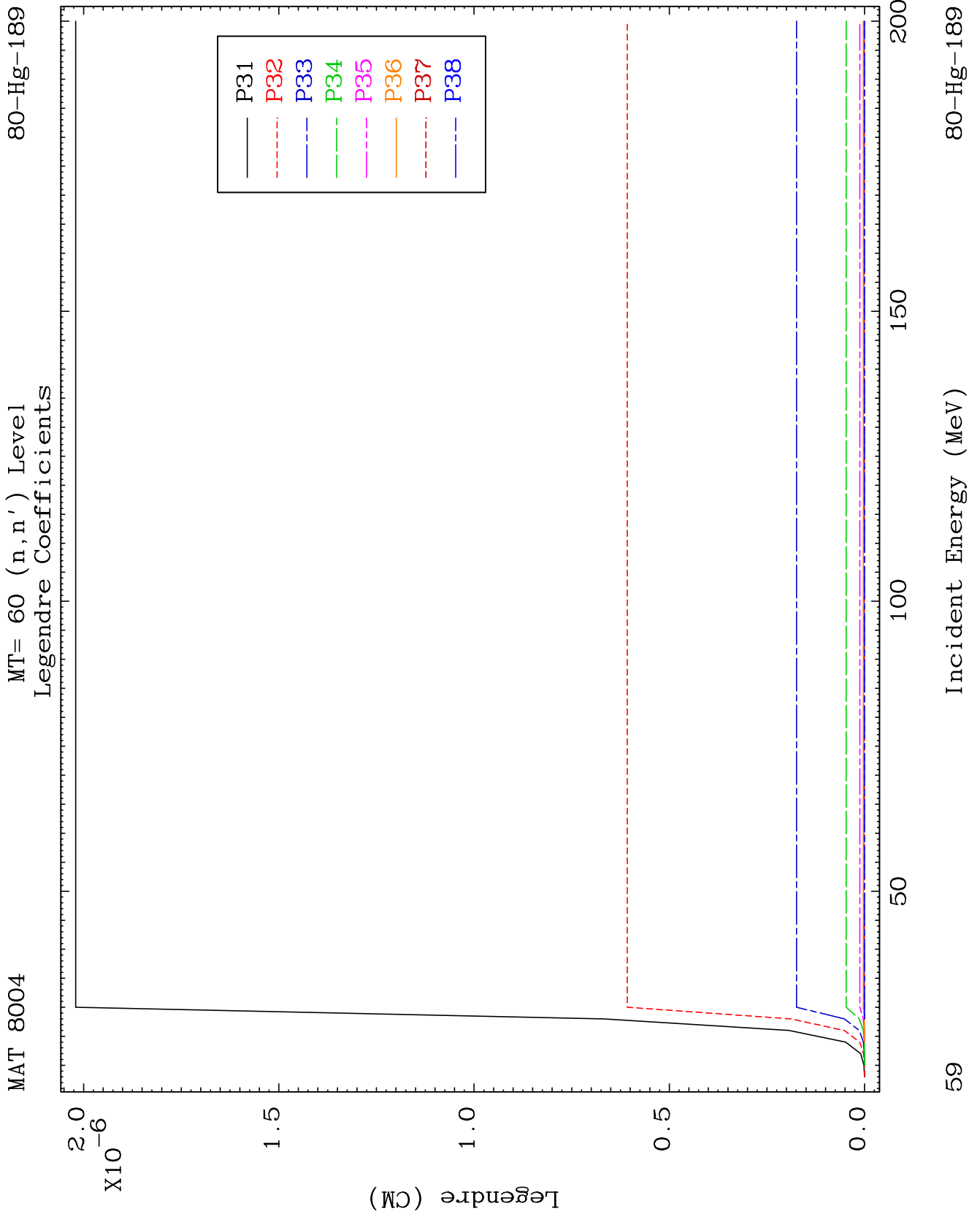
80-Hg-189



58

Incident Energy (MeV)

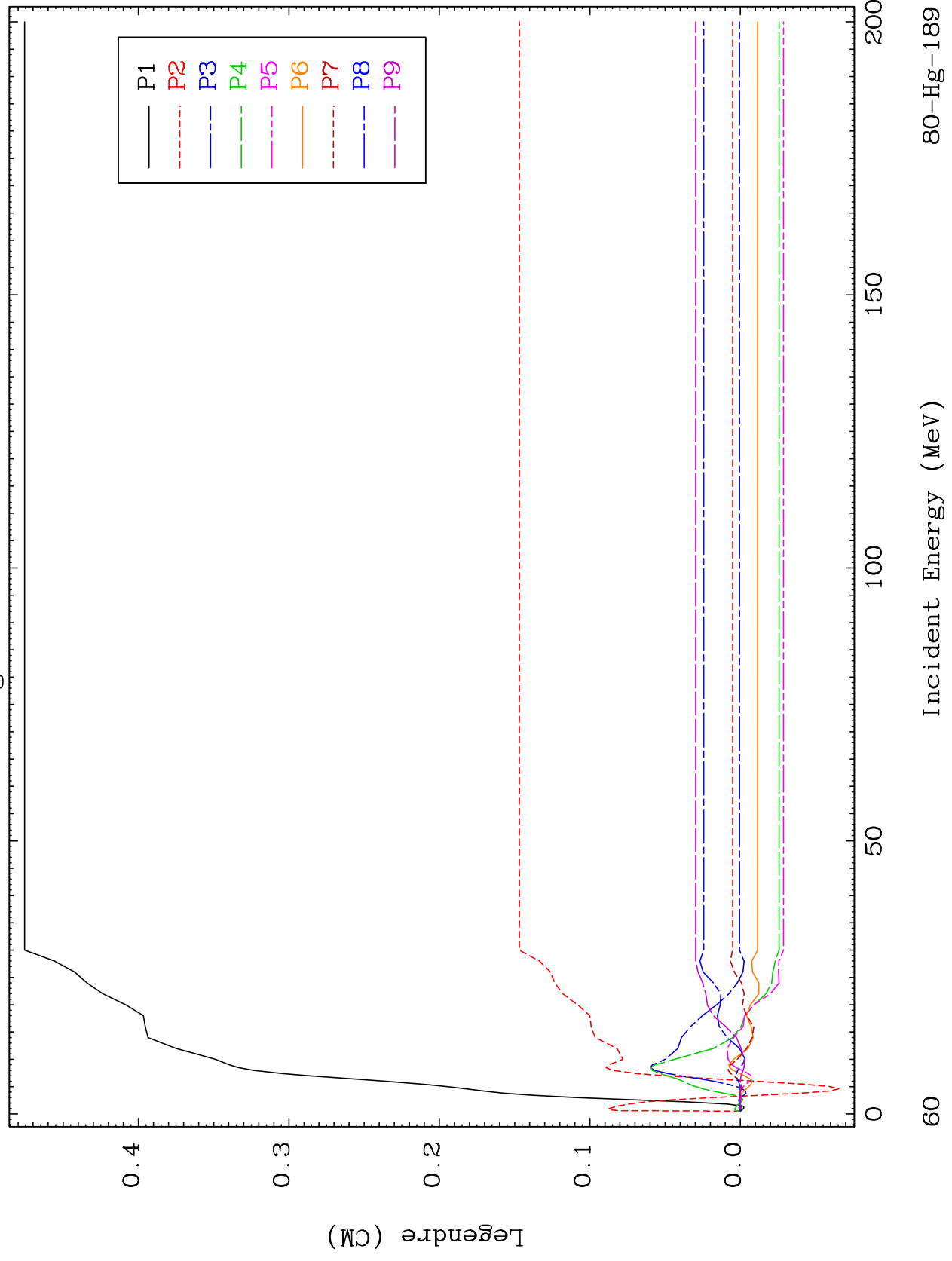
80-Hg-189

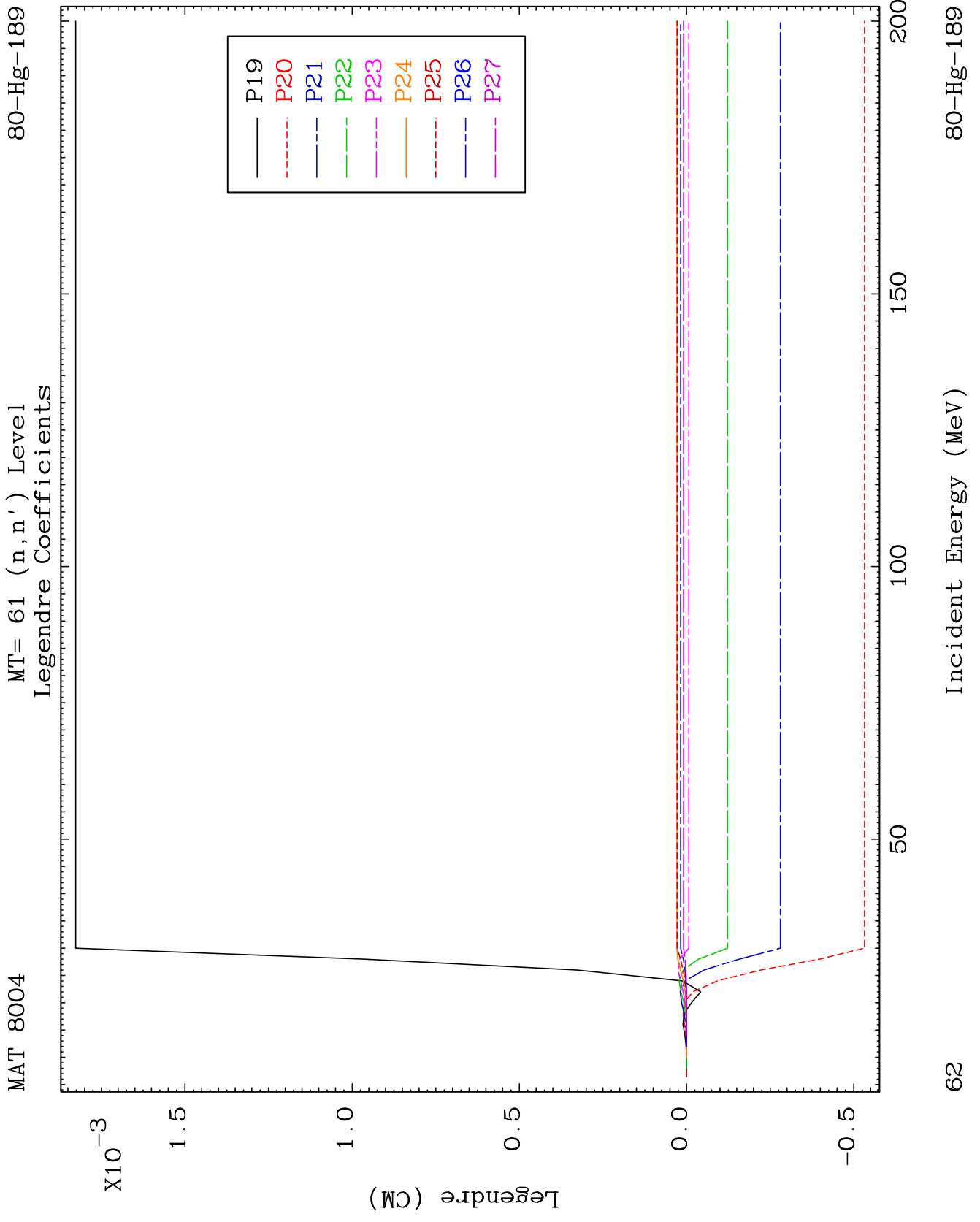


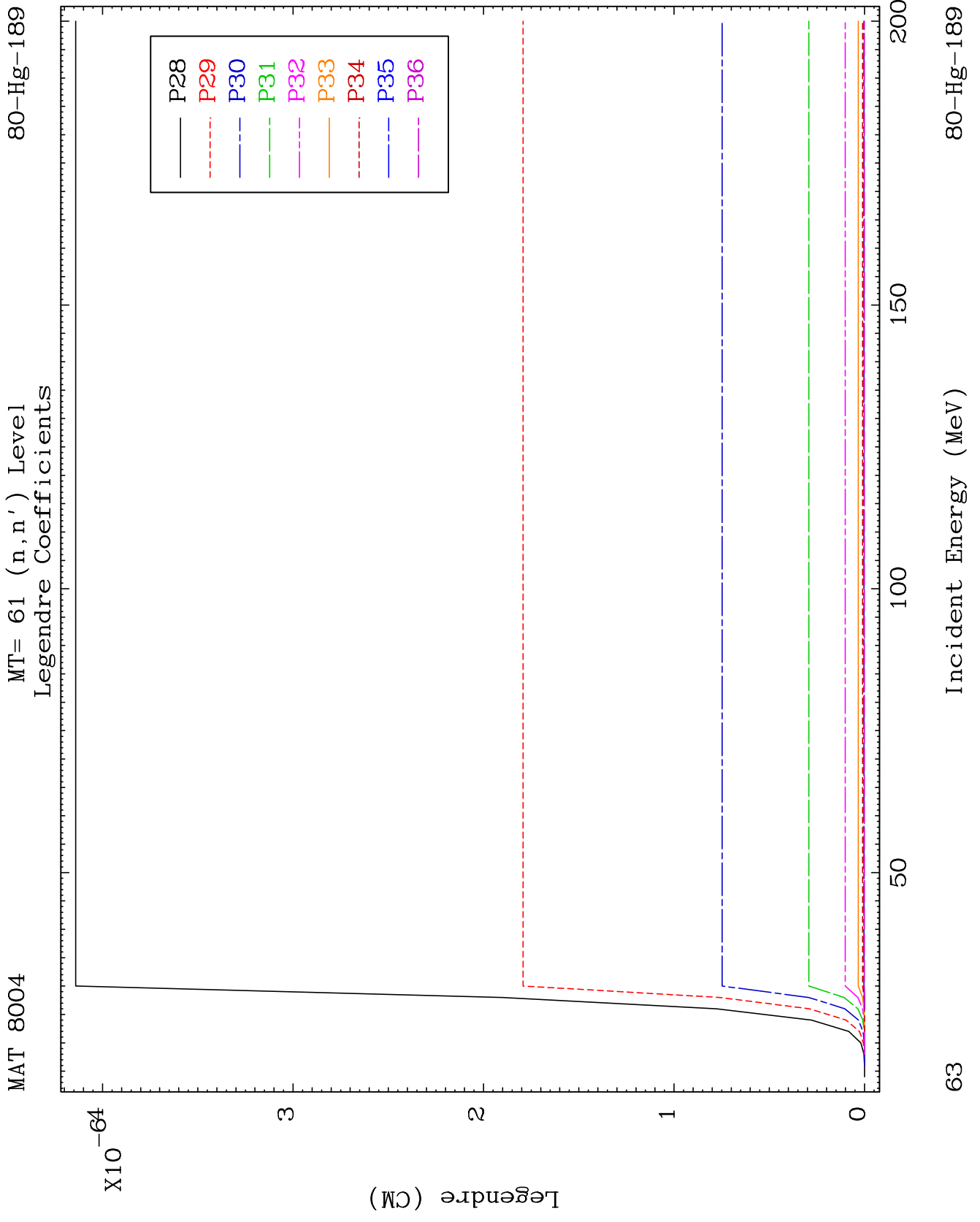
MAT 8004

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

80-Hg-189



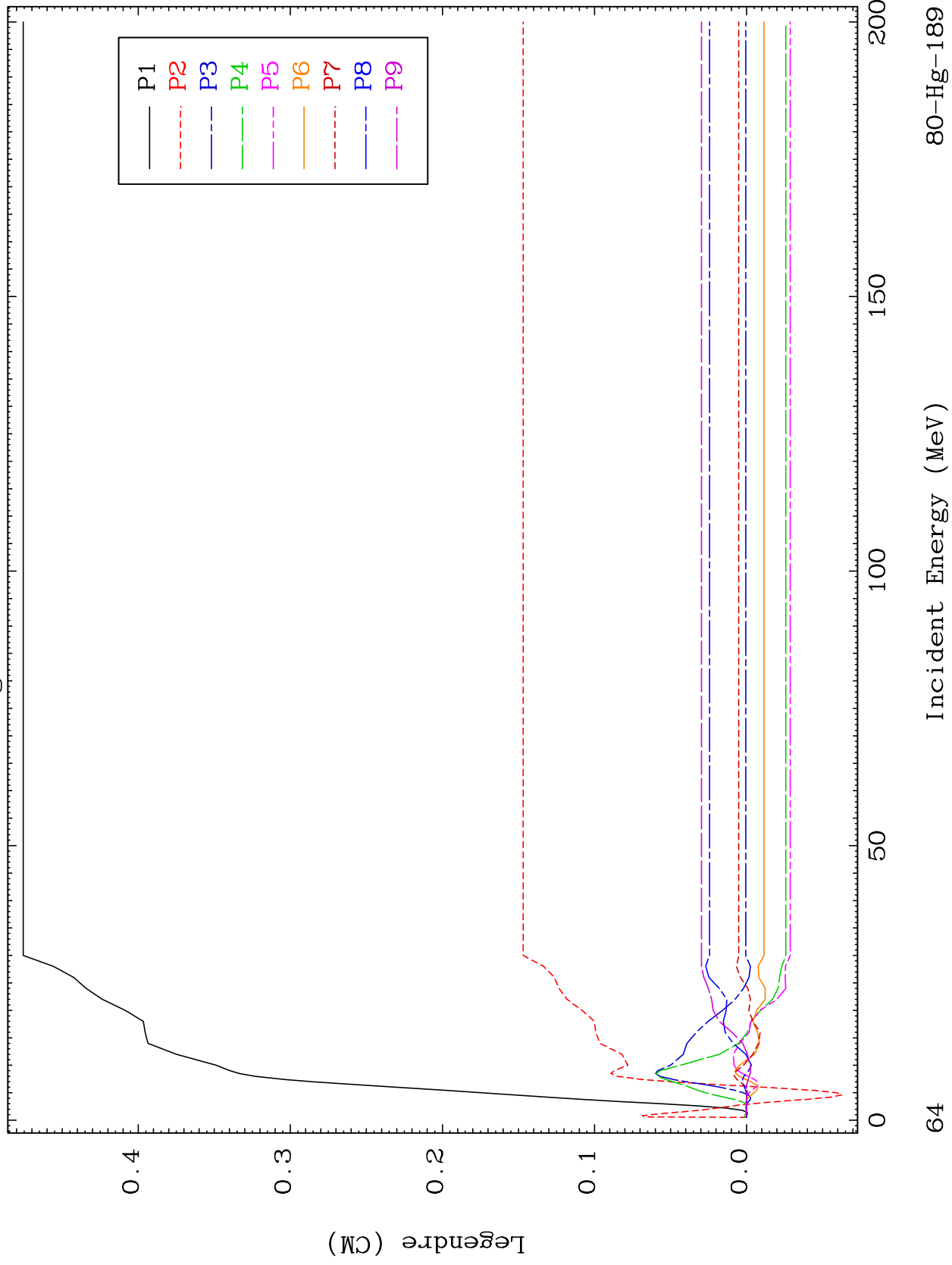


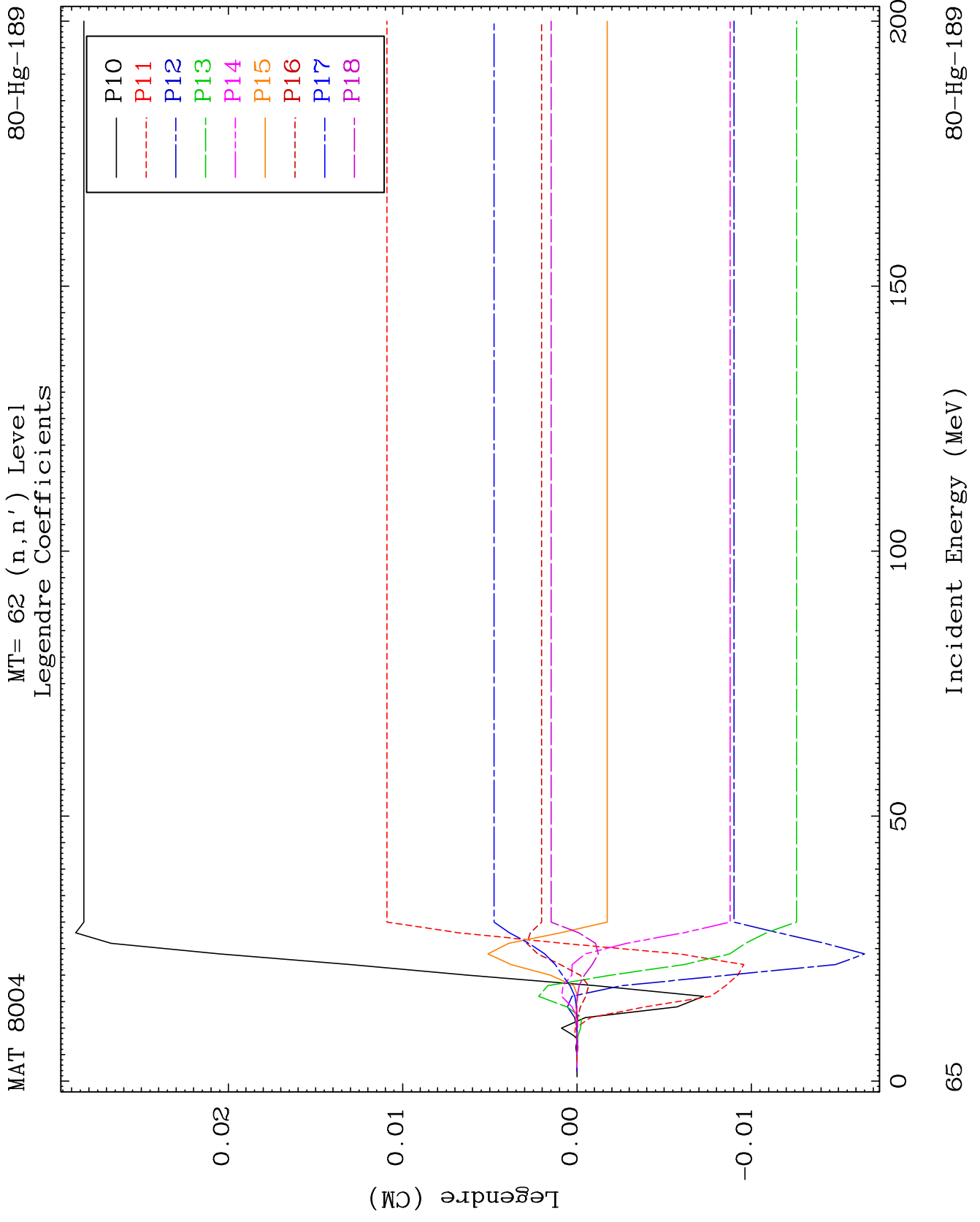


MAT 8004

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

80-Hg-189

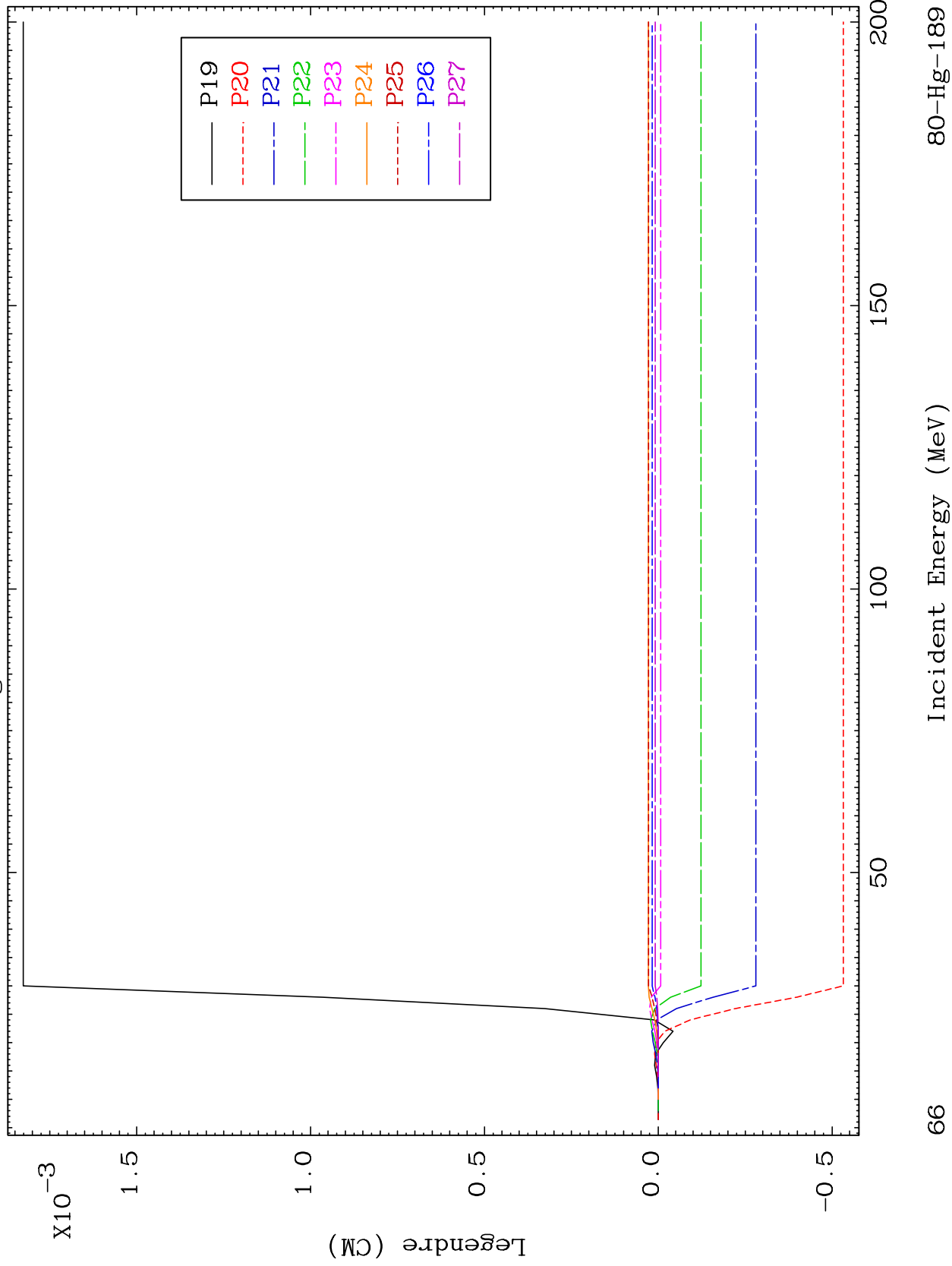




MAT 8004

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

80-Hg-189



66

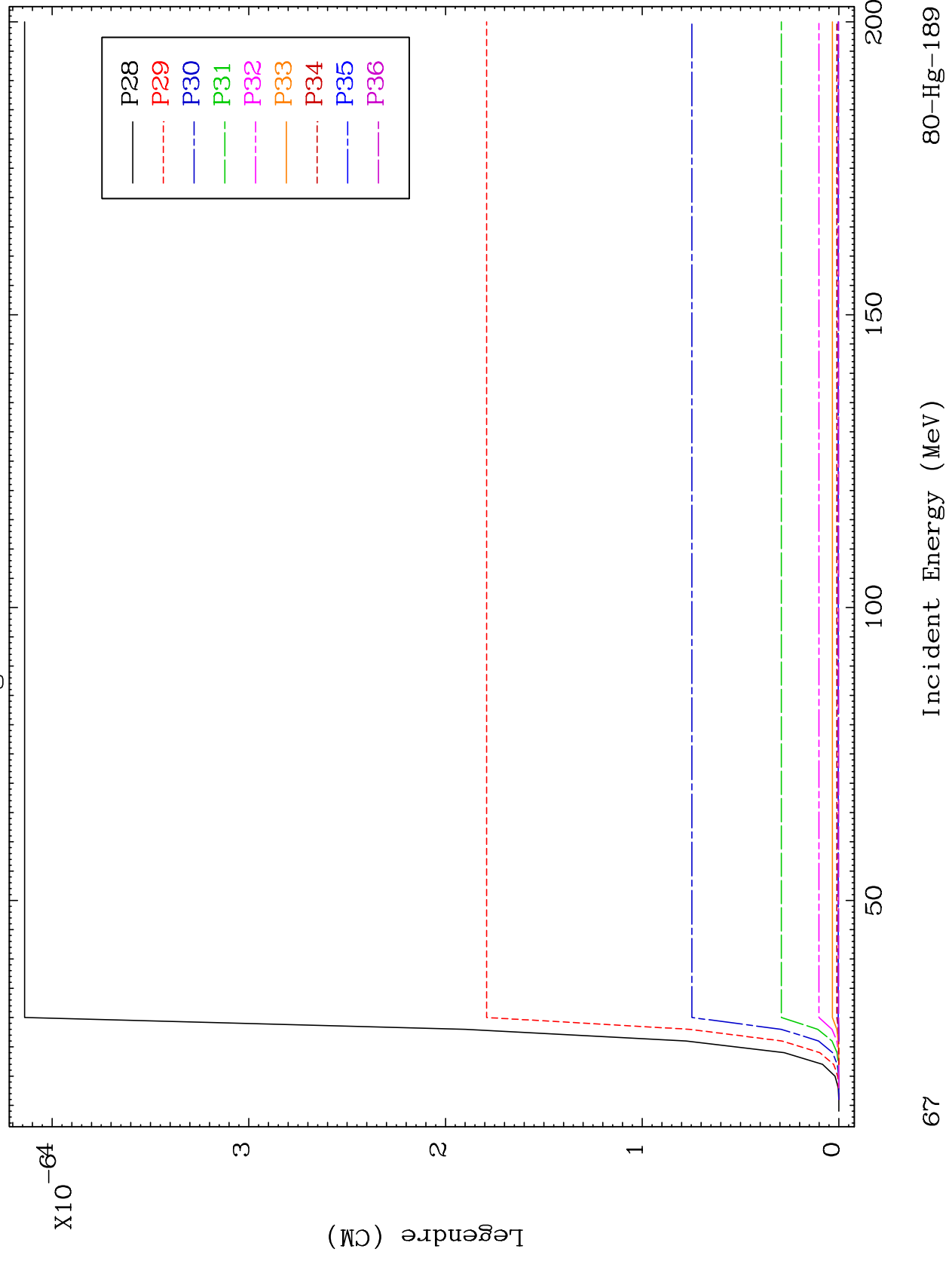
Incident Energy (MeV)

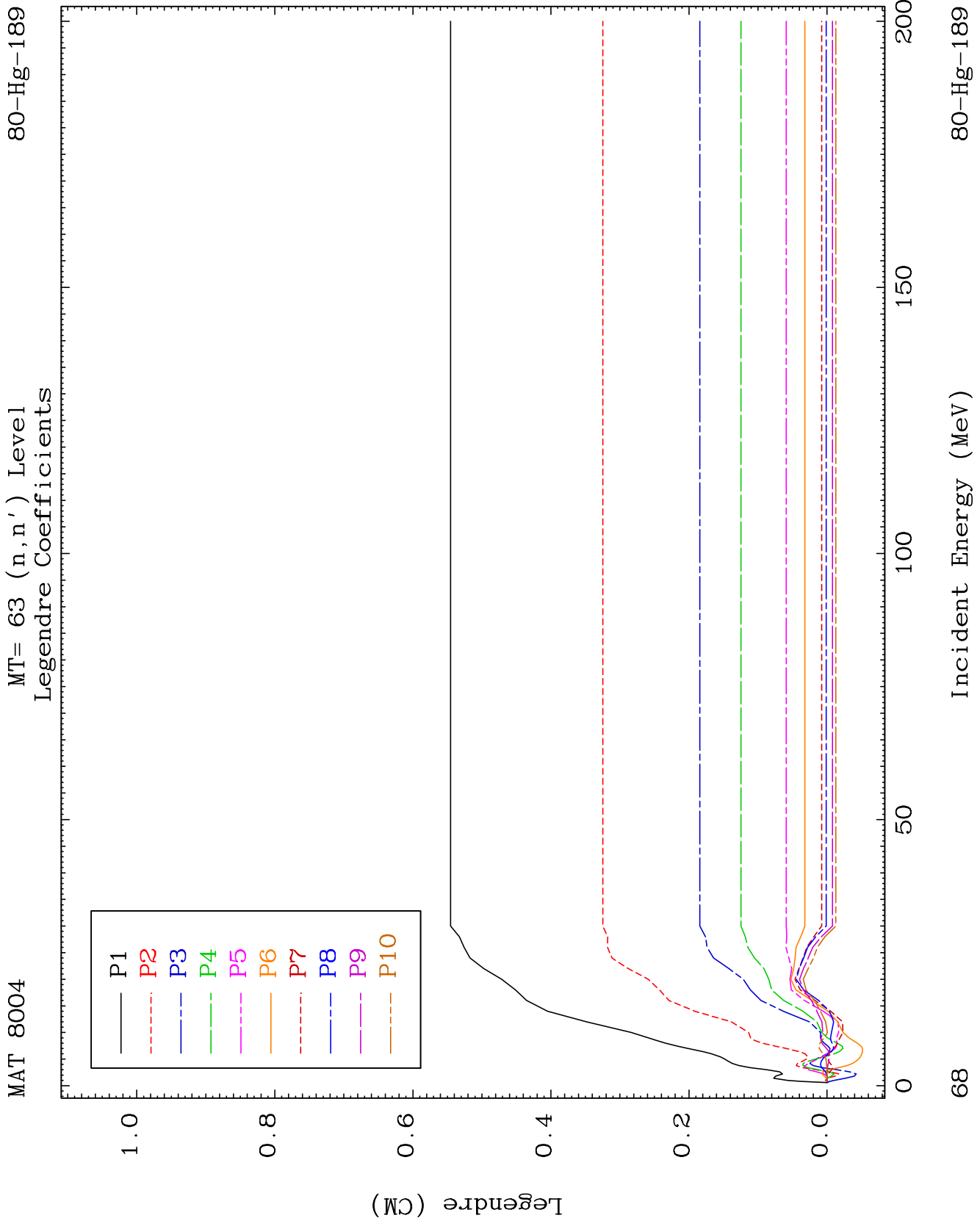
80-Hg-189

MAT 8004

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

80-Hg-189

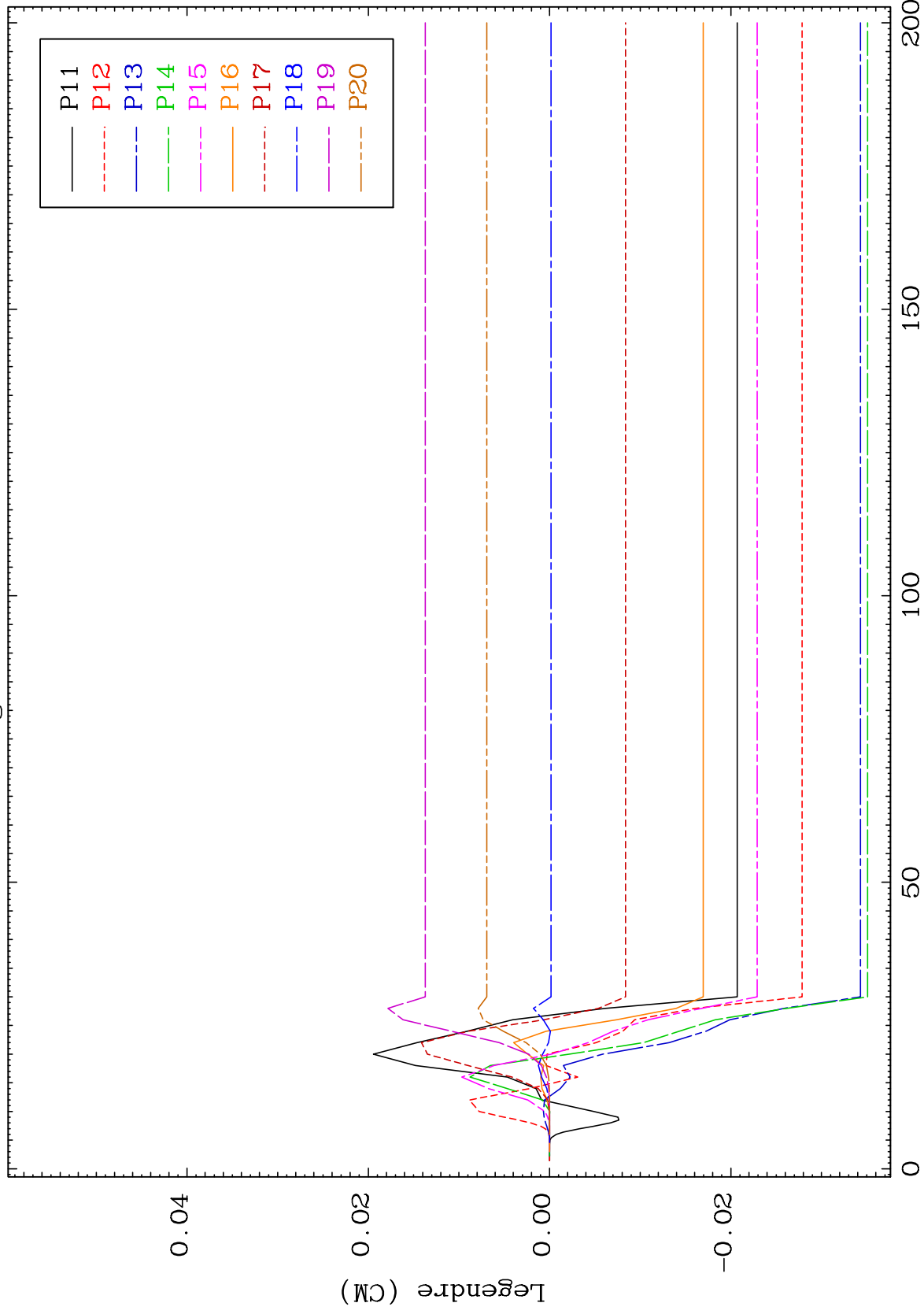




MAT 8004

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

80-Hg-189



69

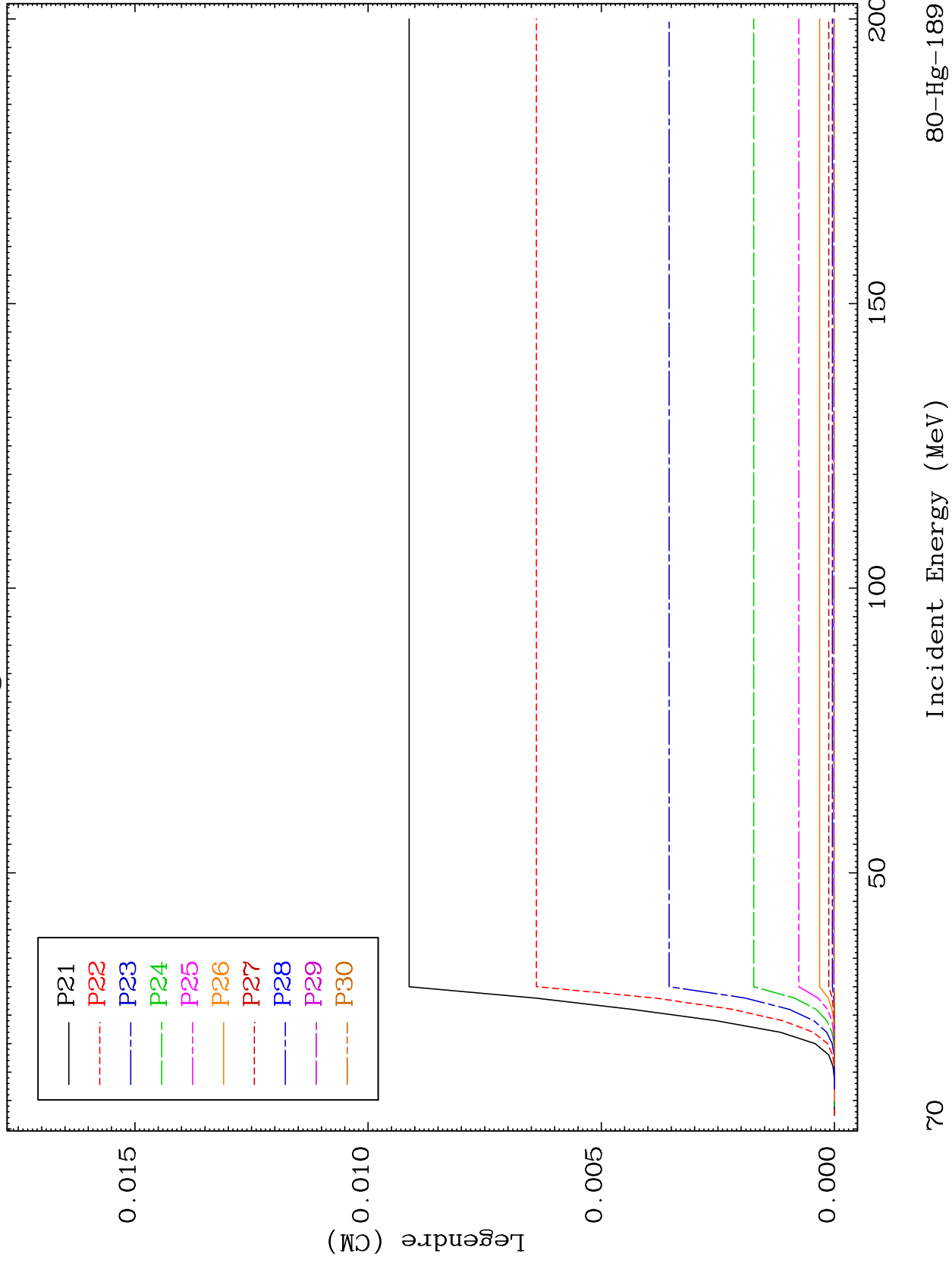
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

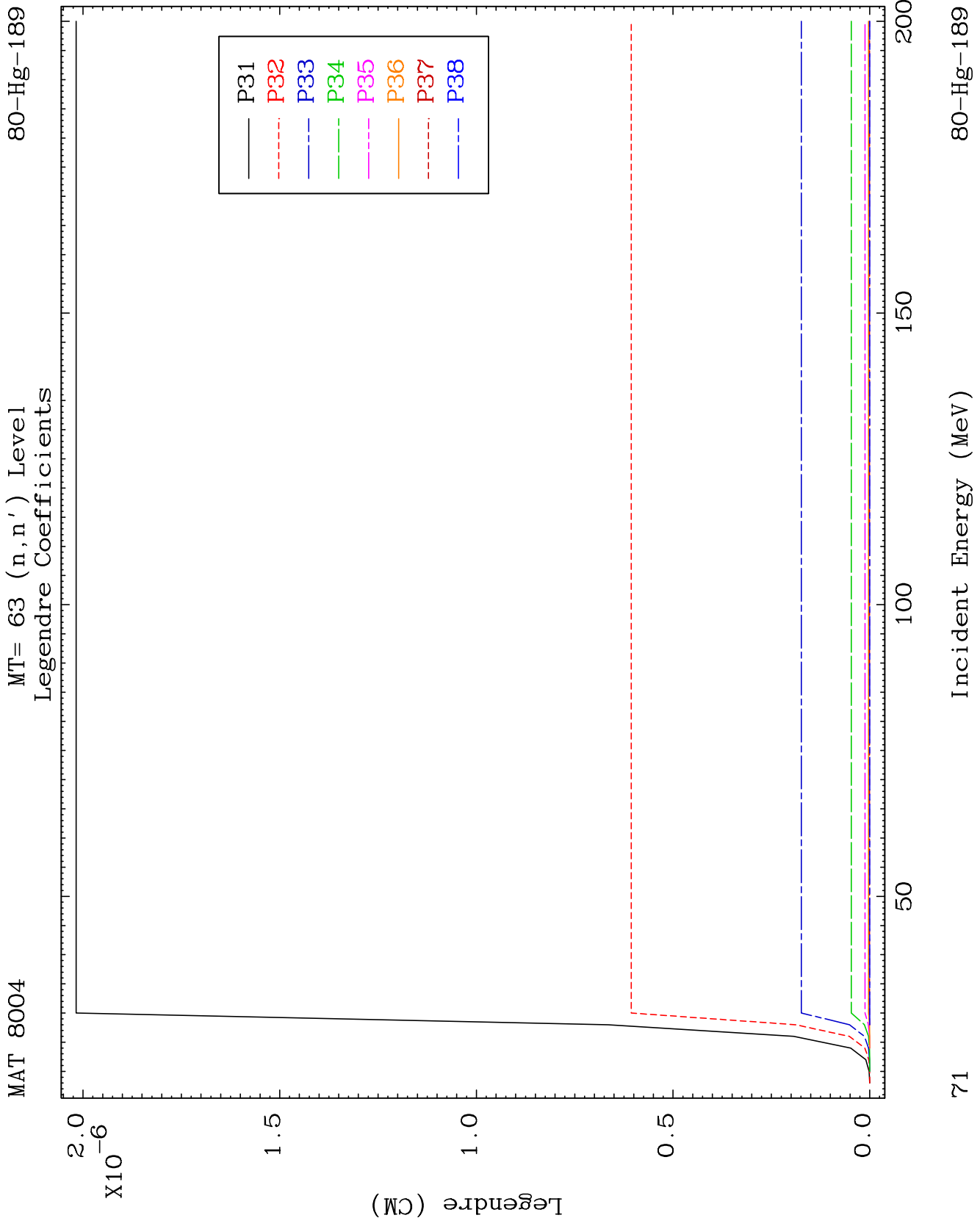
80-Hg-189

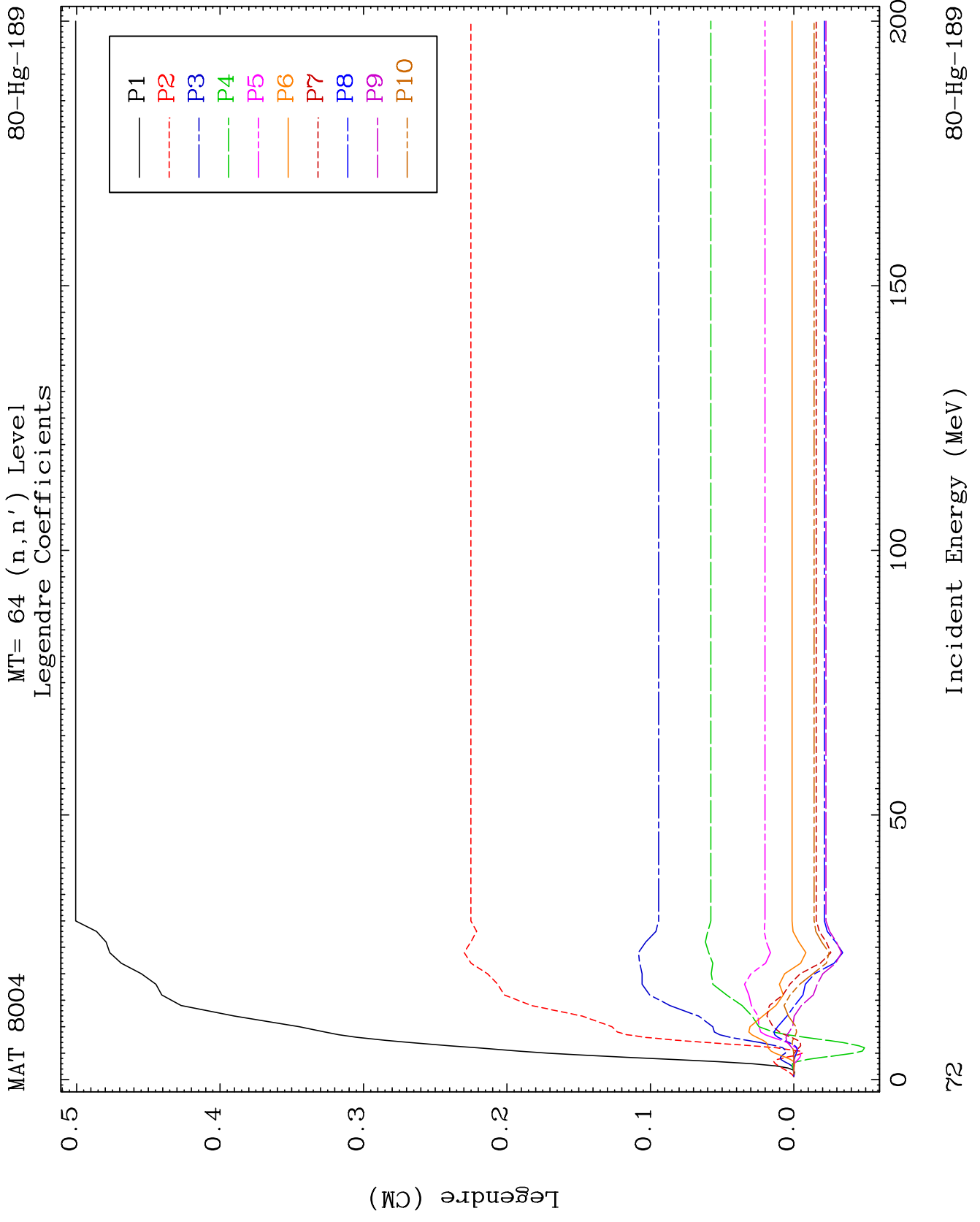


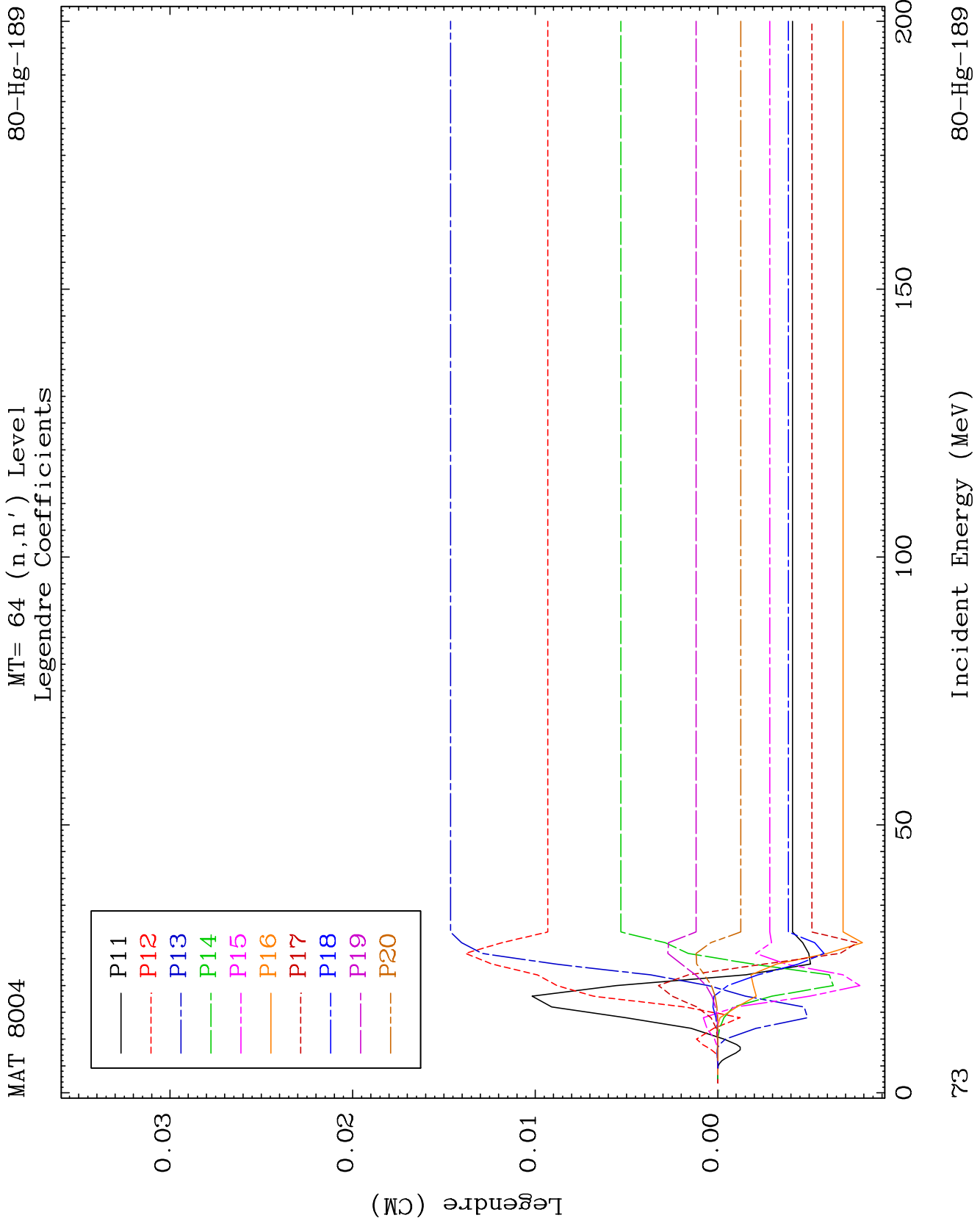
70

Incident Energy (MeV)

80-Hg-189



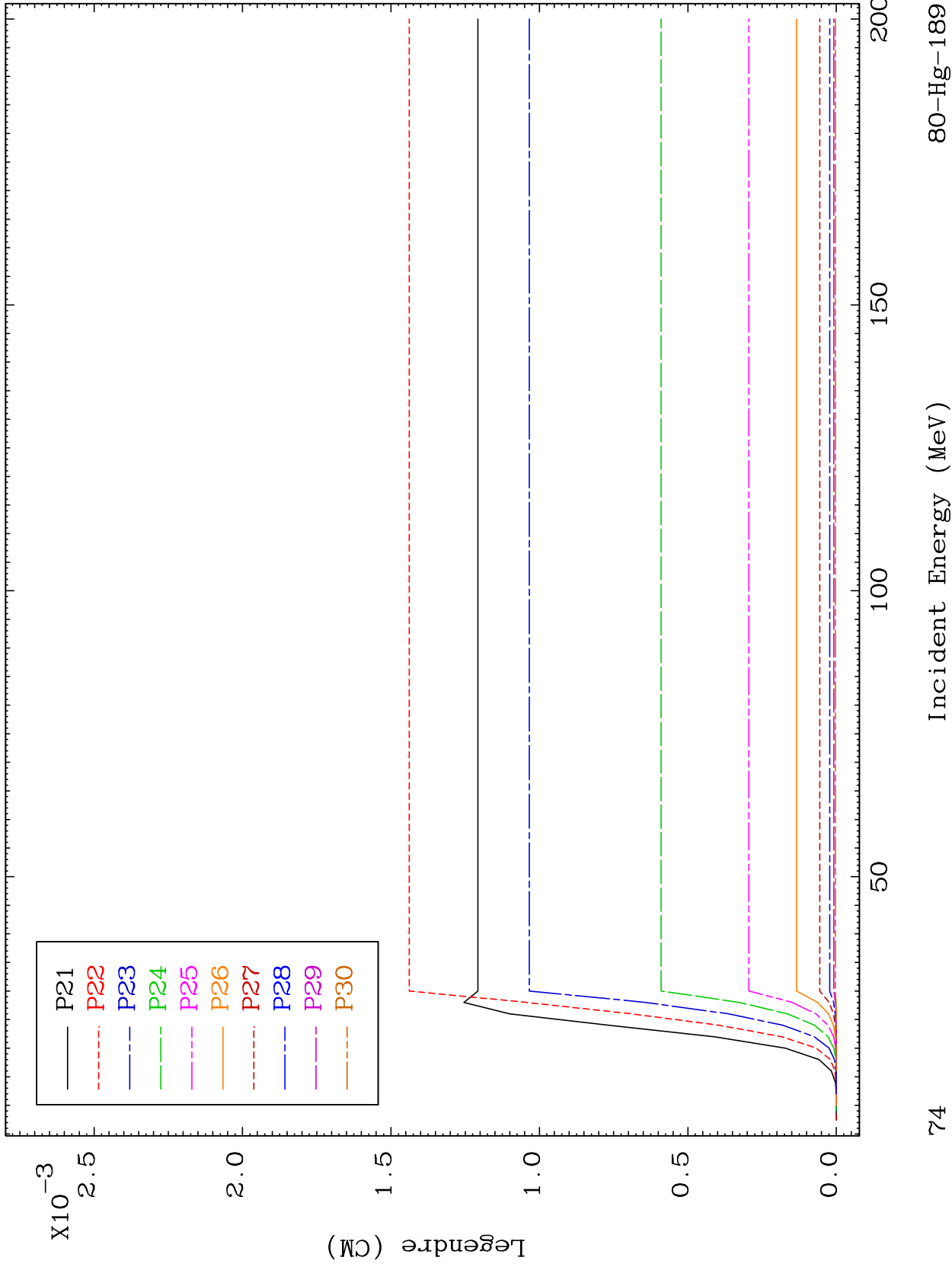




MAT 8004

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

80-Hg-189



74

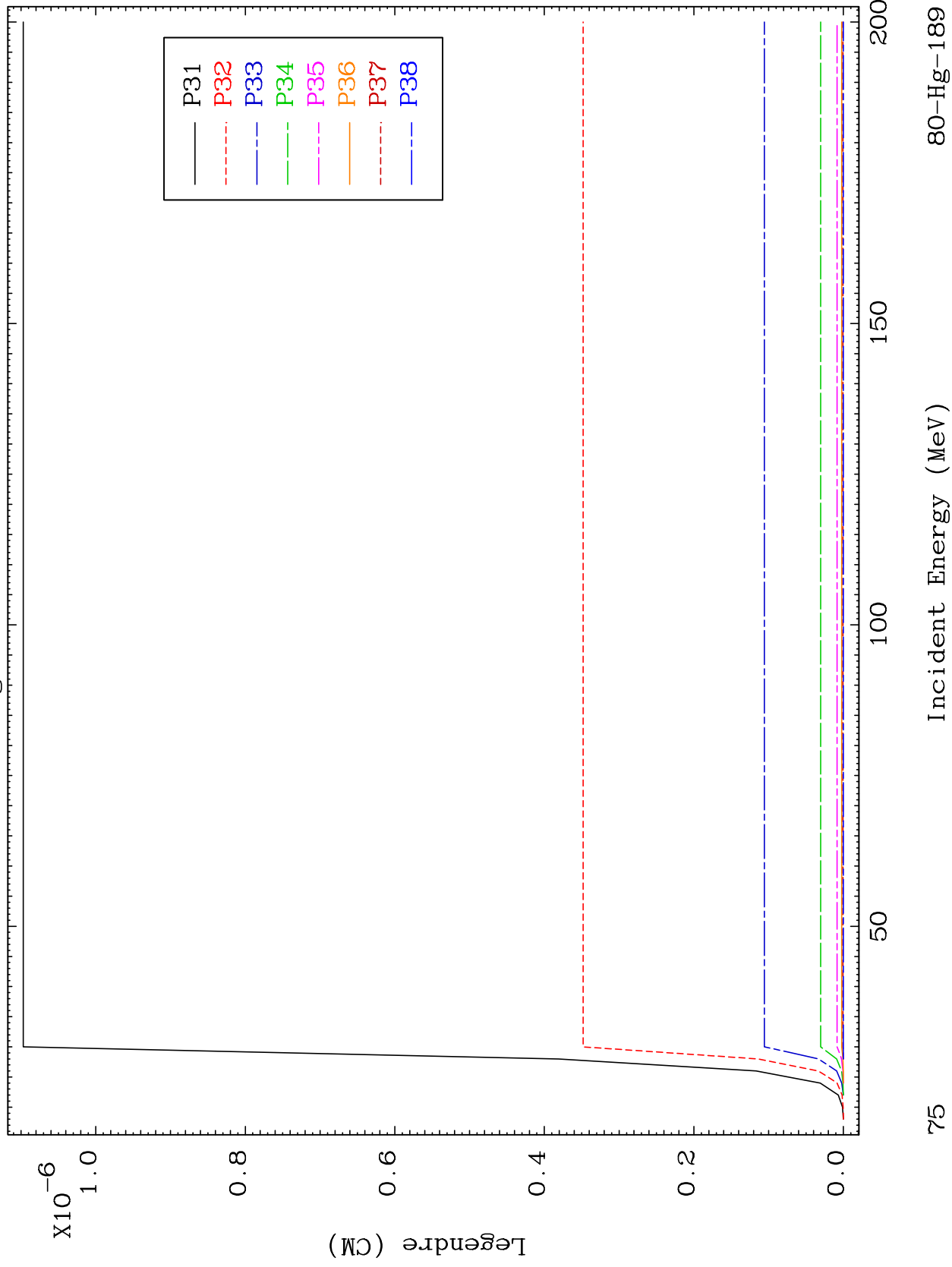
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

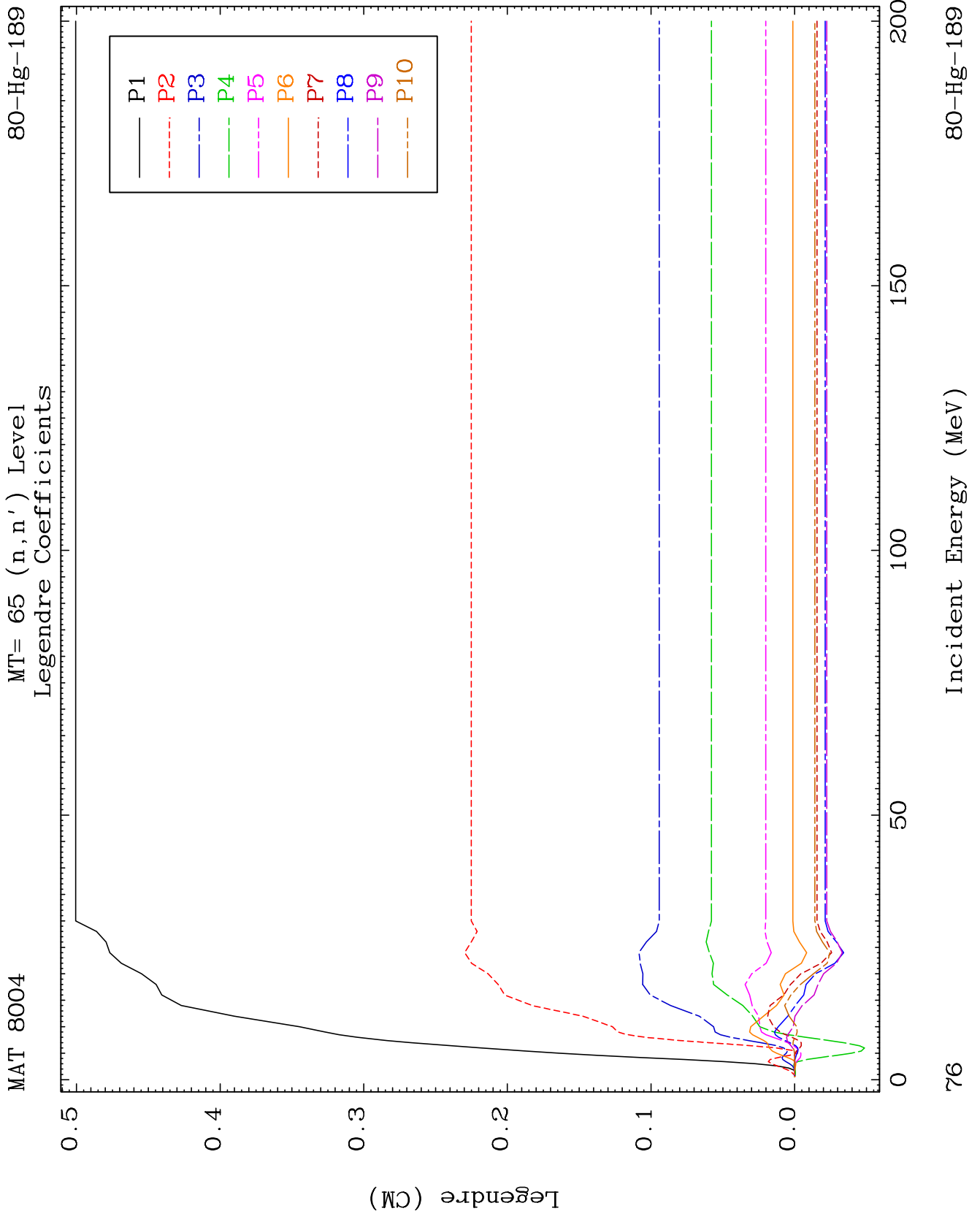
80-Hg-189

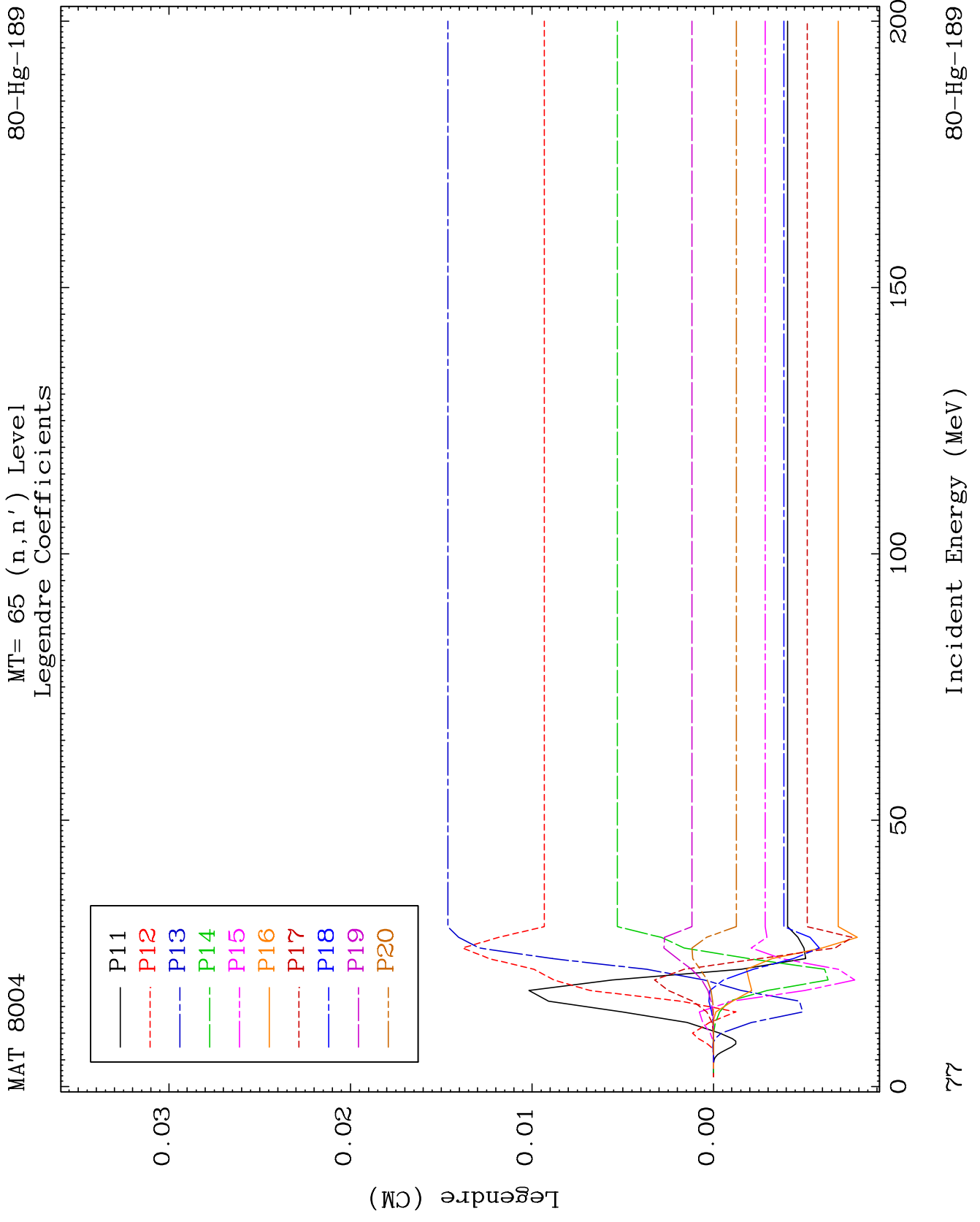


75

Incident Energy (MeV)

80-Hg-189

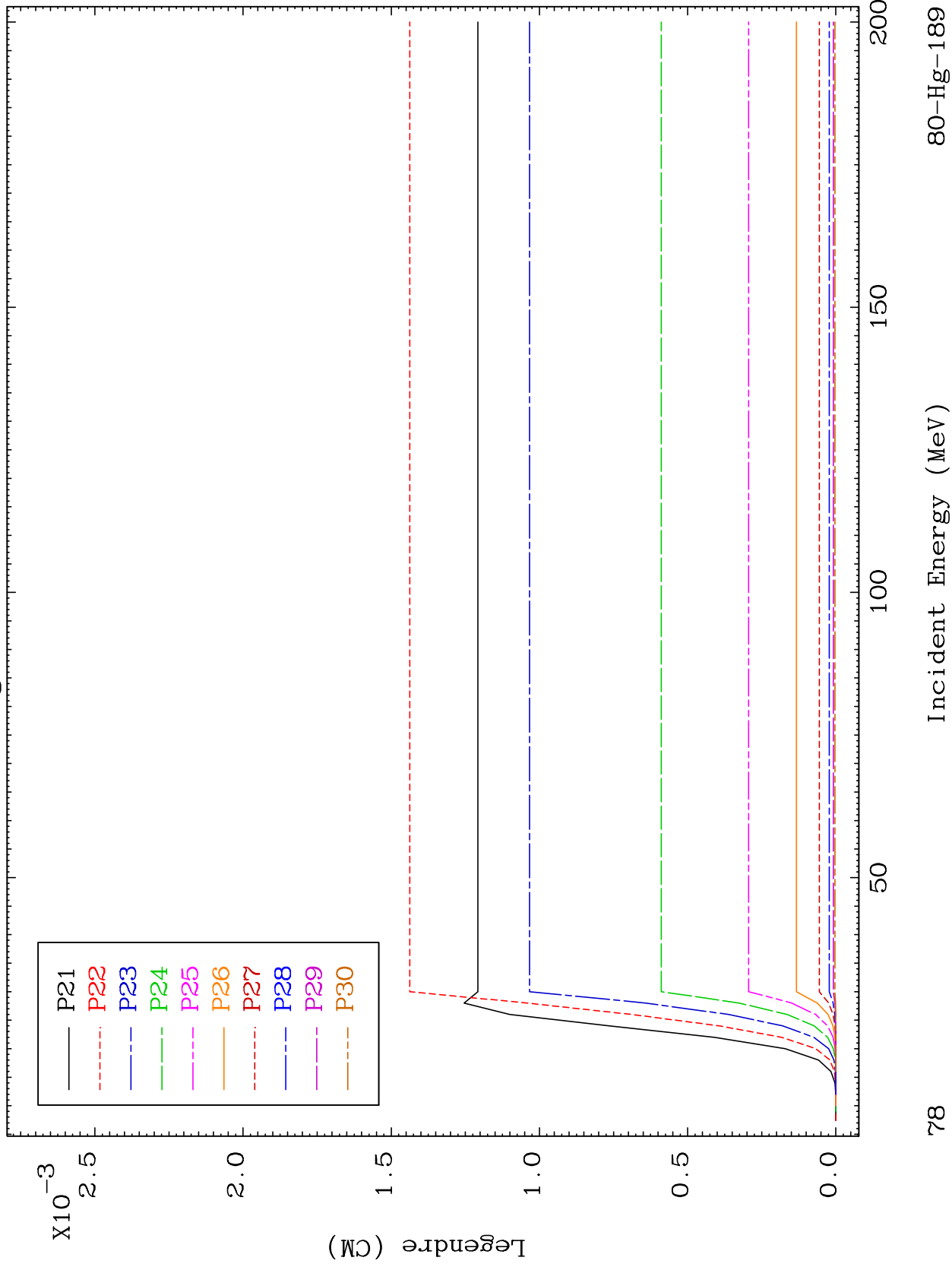




MAT 8004

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

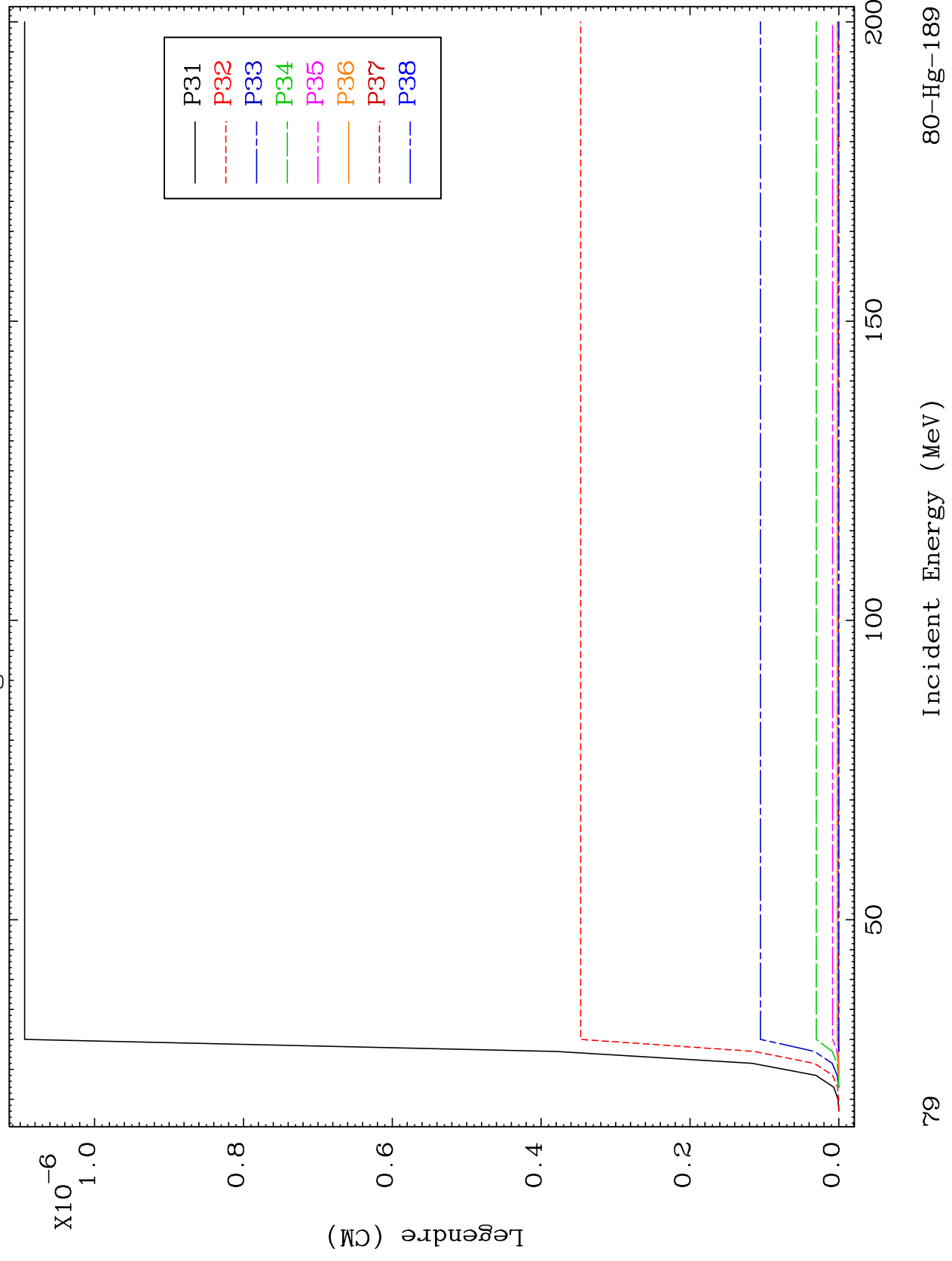
80-Hg-189



MAT 8004

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

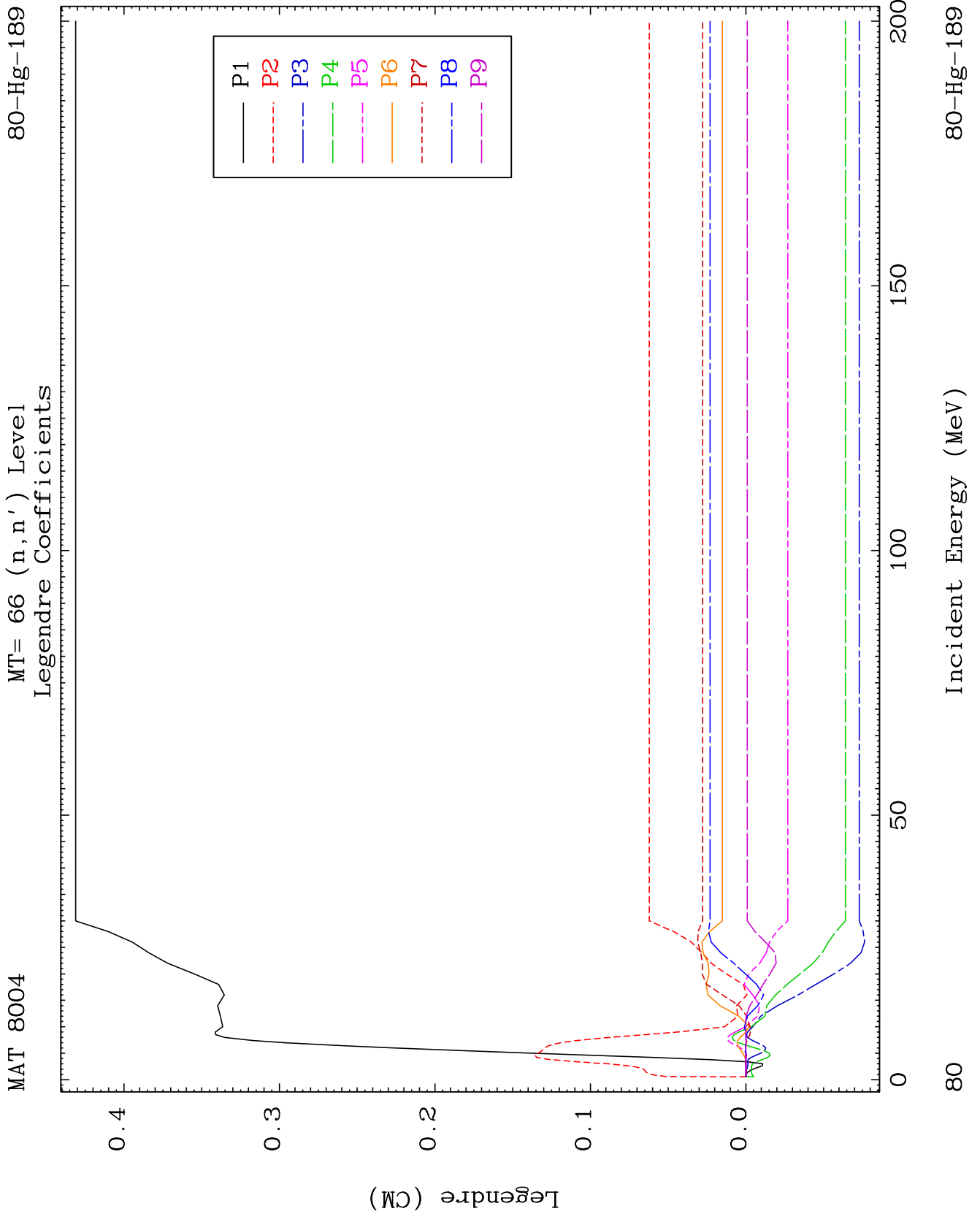
80-Hg-189

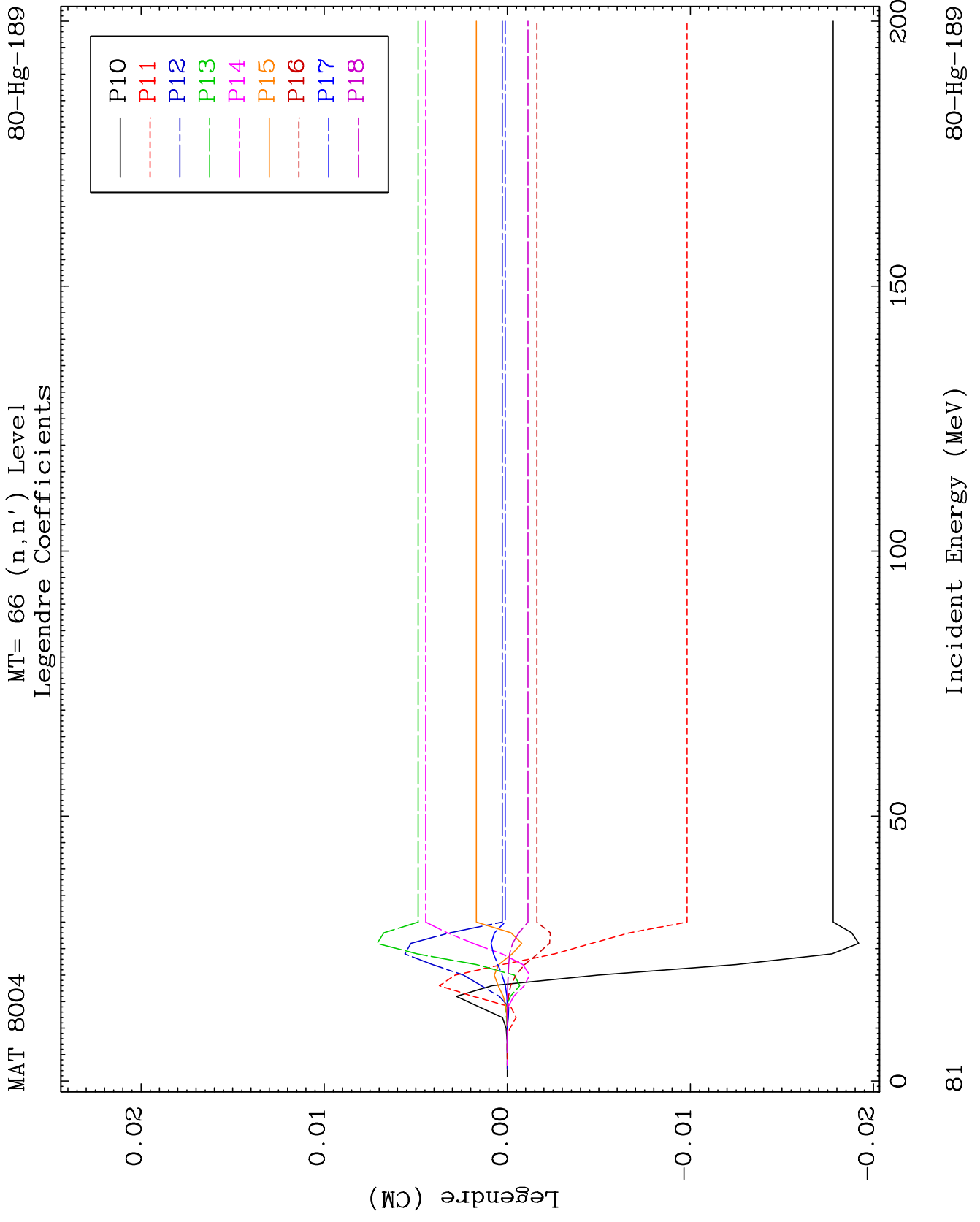


79

Incident Energy (MeV)

80-Hg-189

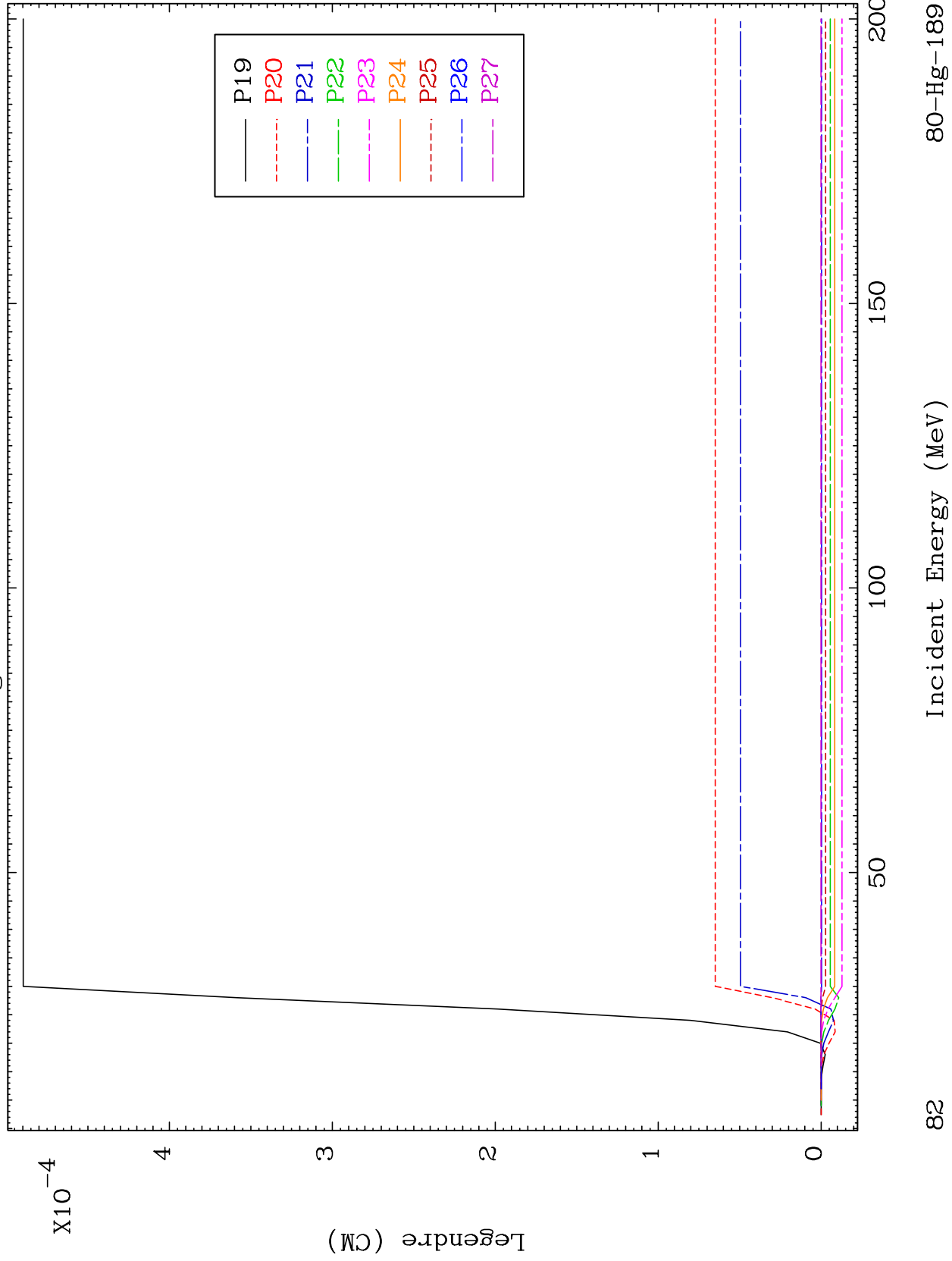




MAT 8004

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

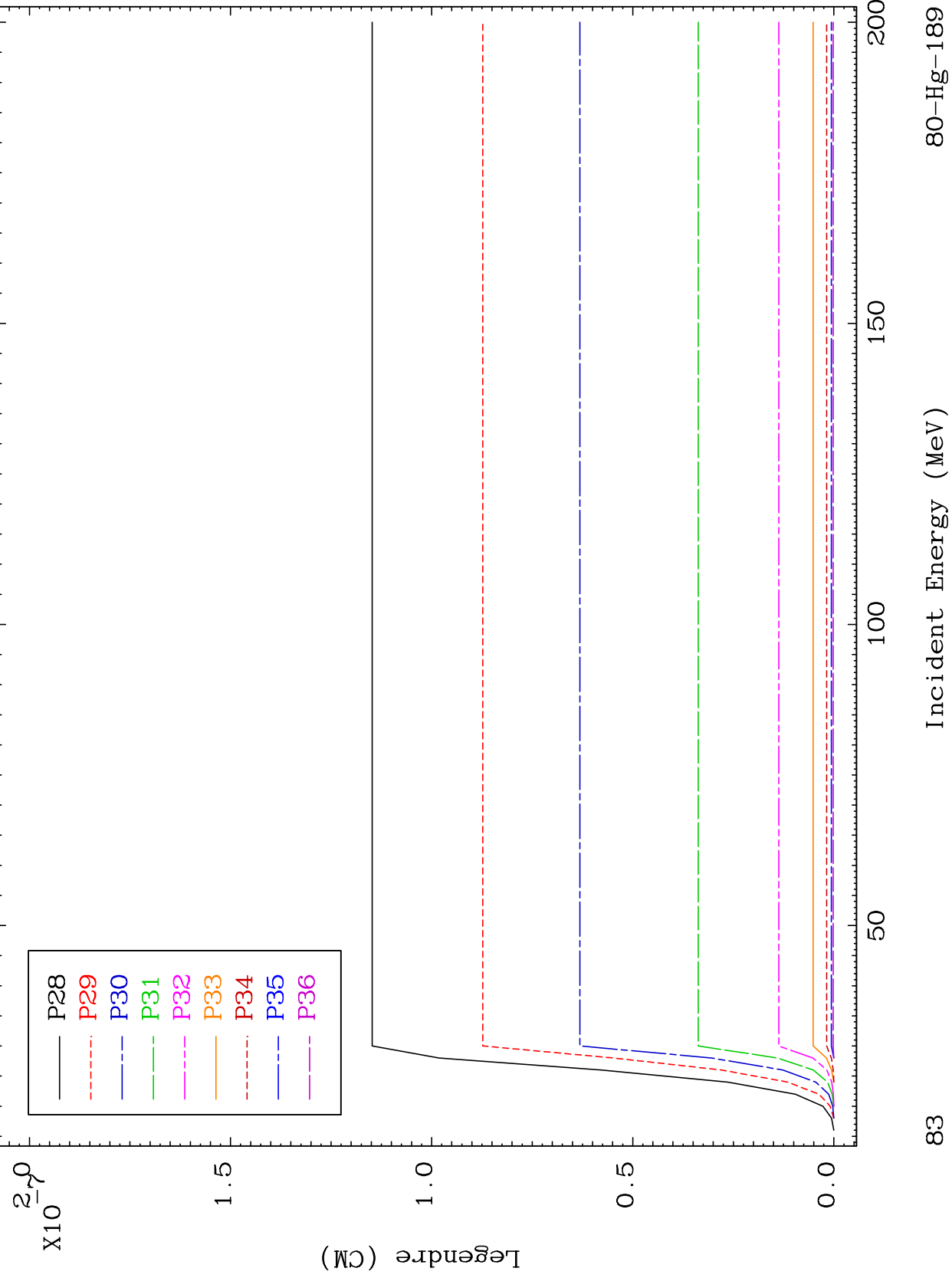
80-Hg-189



MAT 8004

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

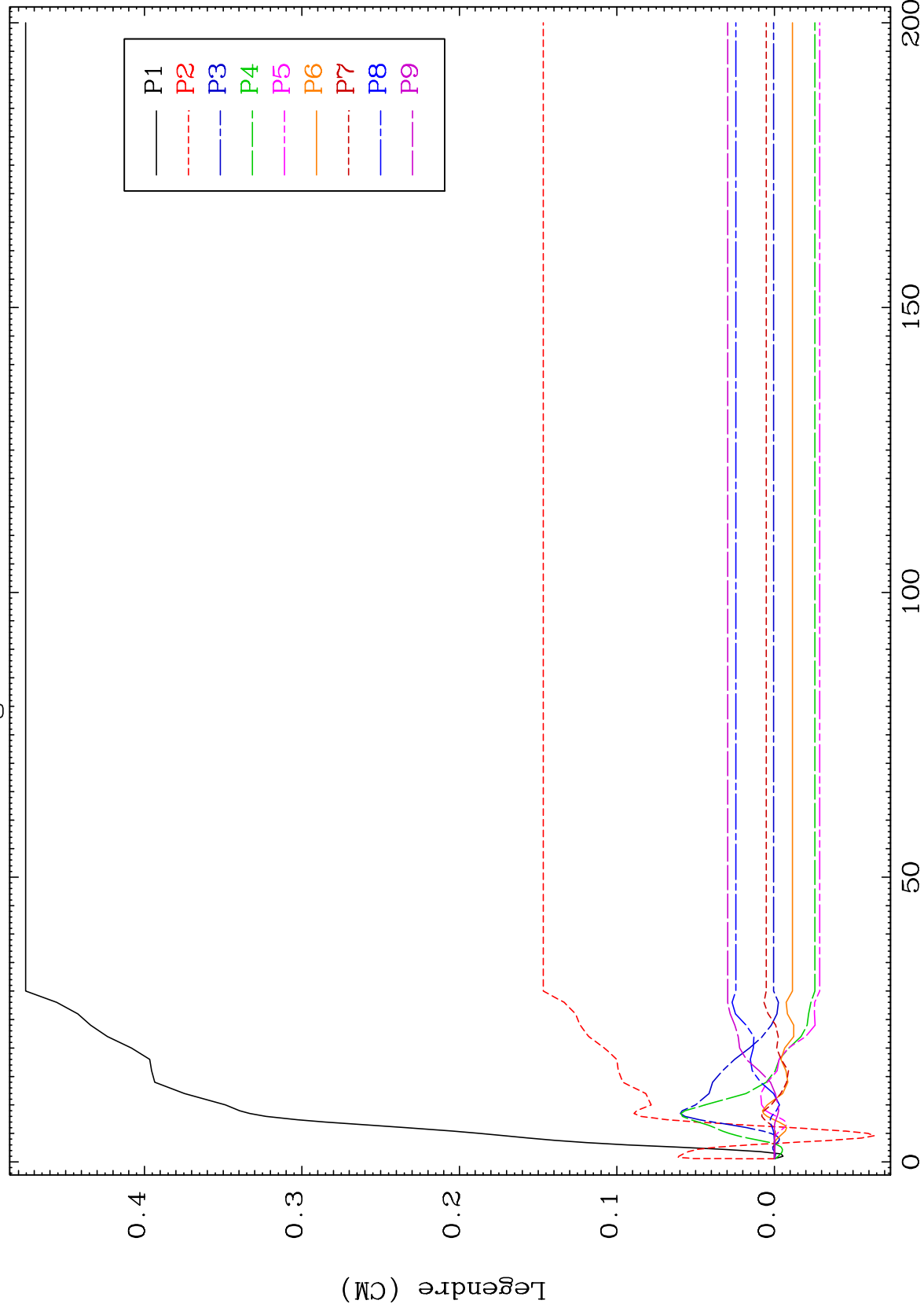
80-Hg-189



MAT 8004

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

80-Hg-189



84

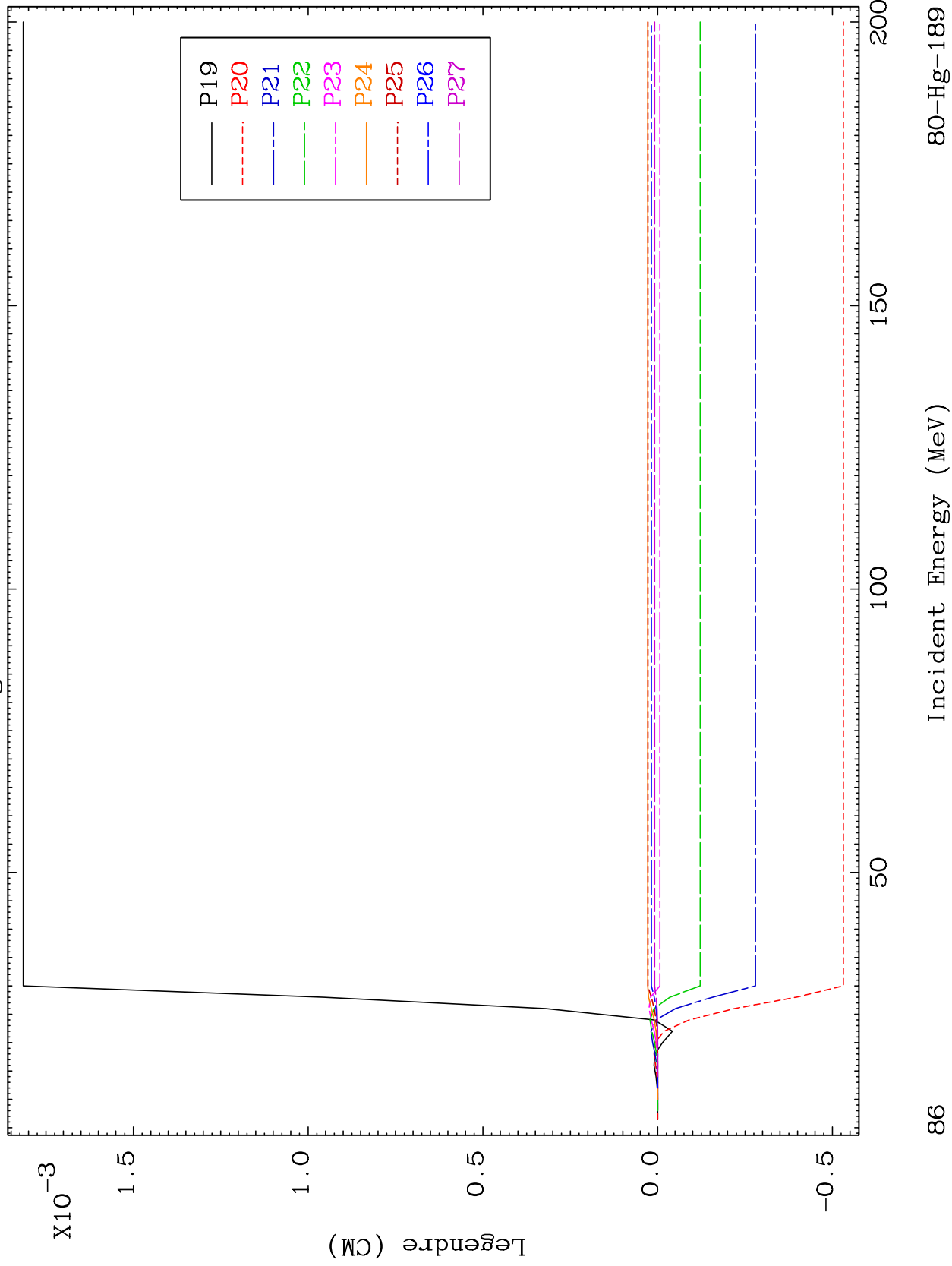
Incident Energy (MeV)

80-Hg-189

MAT 8004

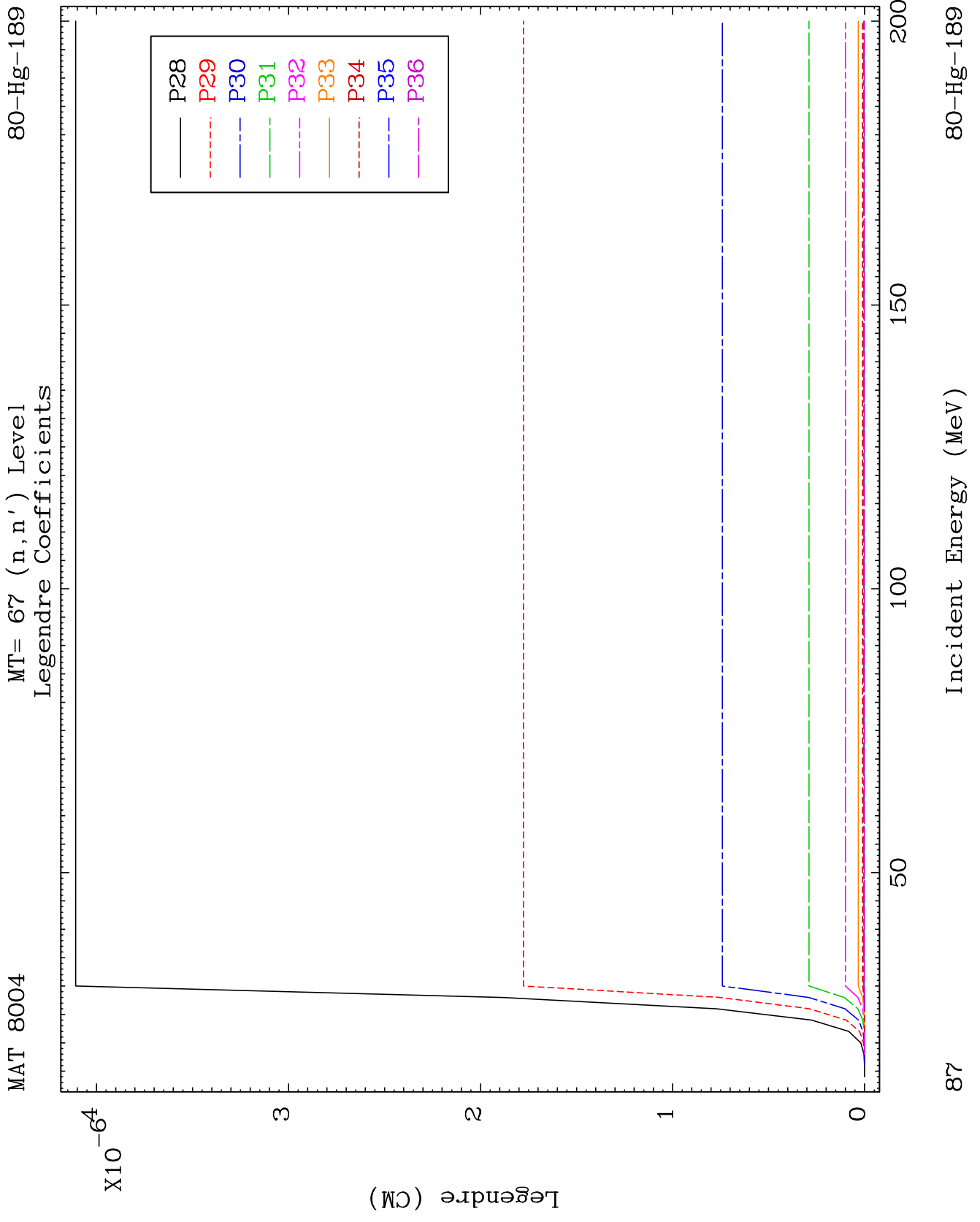
MT= 67 (n,n') Level
Legendre Coefficients

80-Hg-189



86

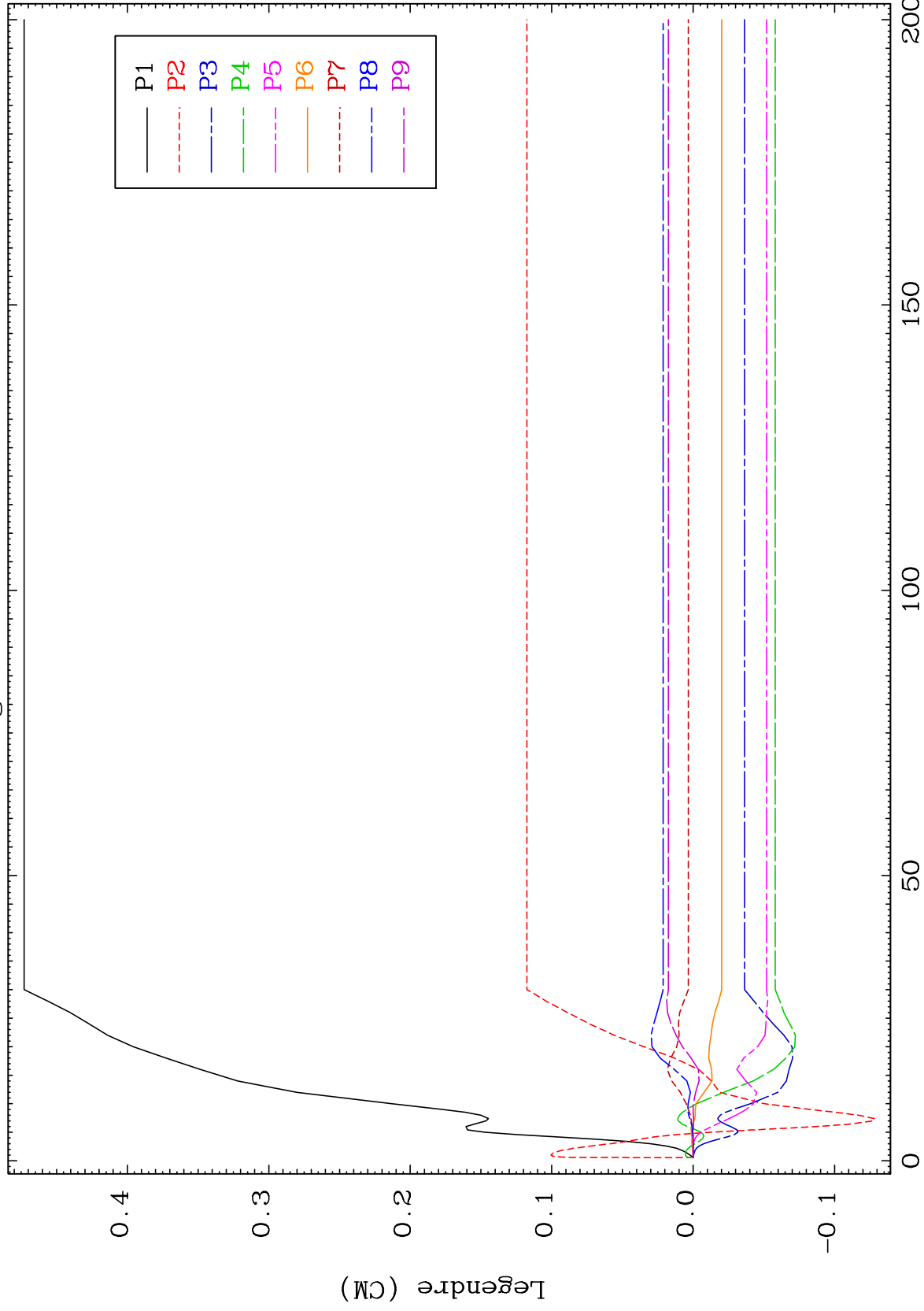
80-Hg-189



MAT 8004

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

80-Hg-189



88

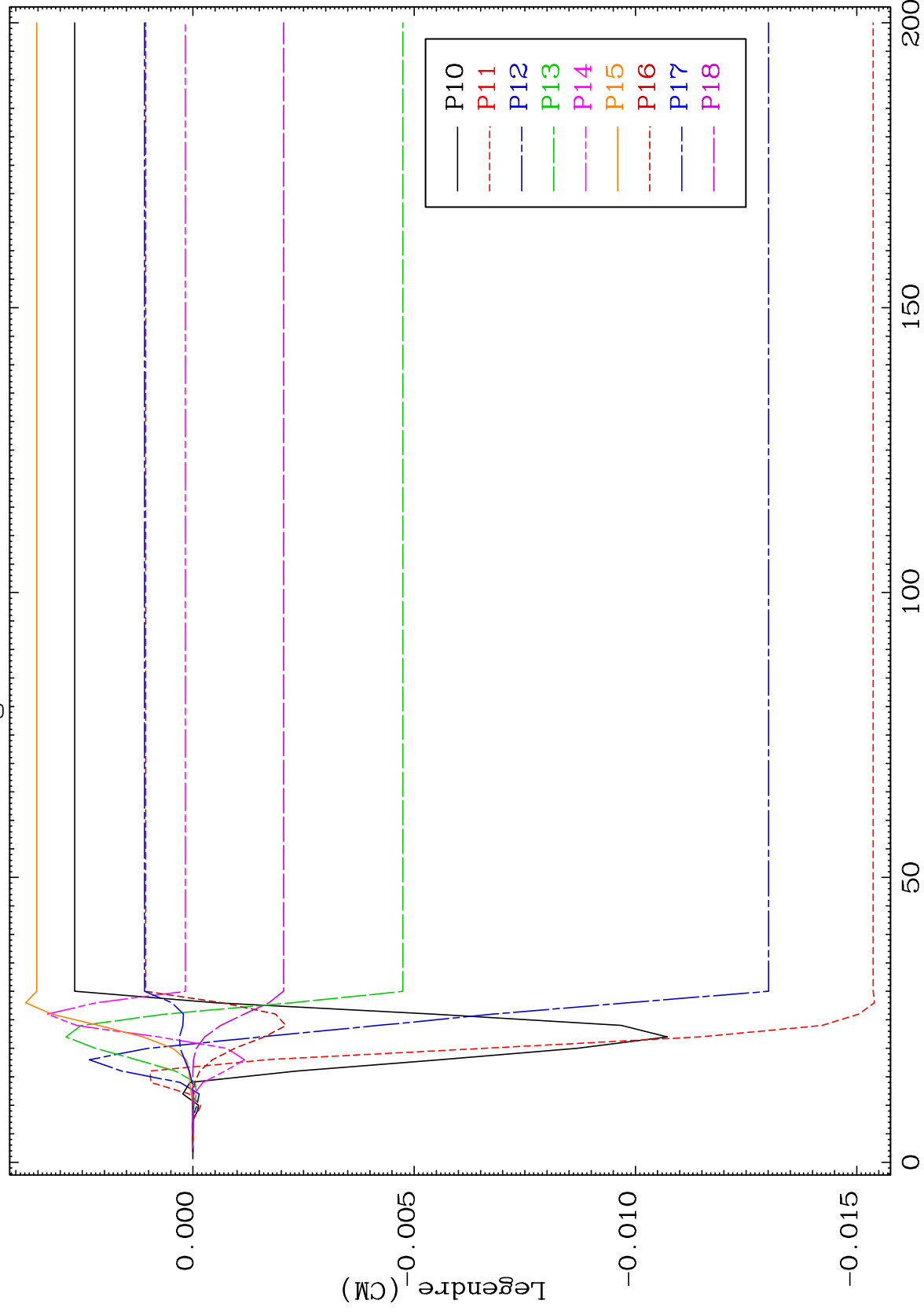
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

80-Hg-189



89

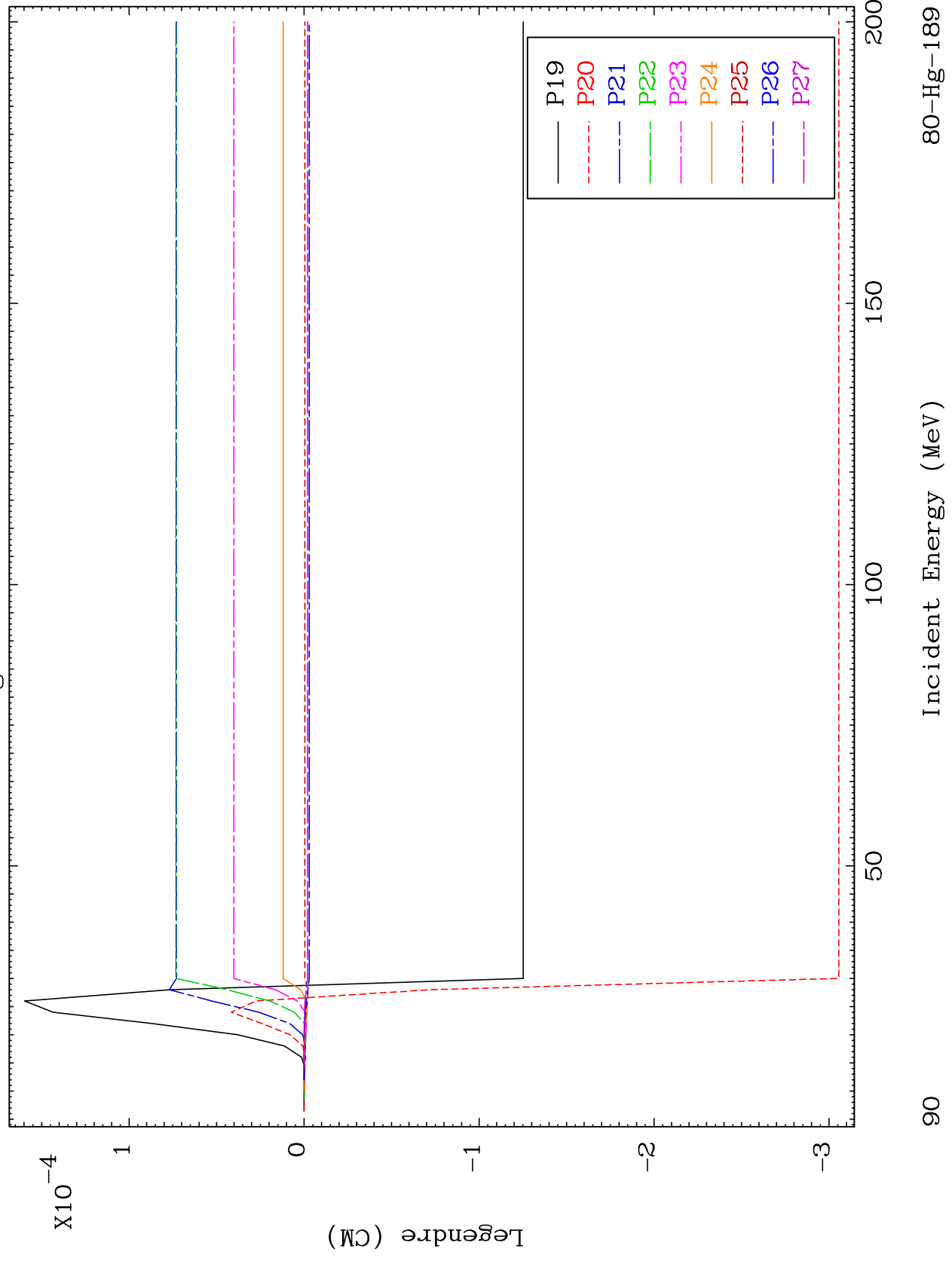
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

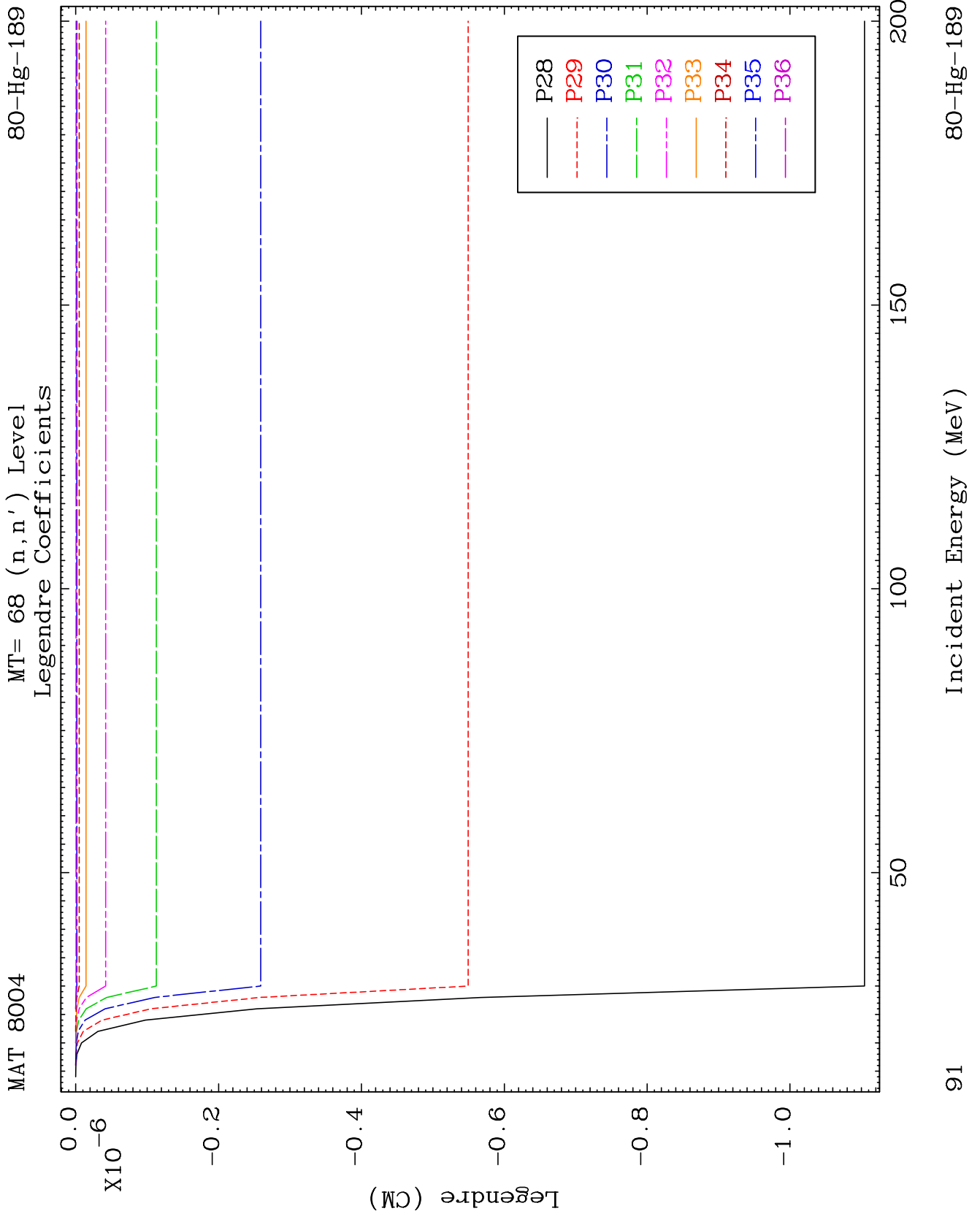
80-Hg-189



90

Incident Energy (MeV)

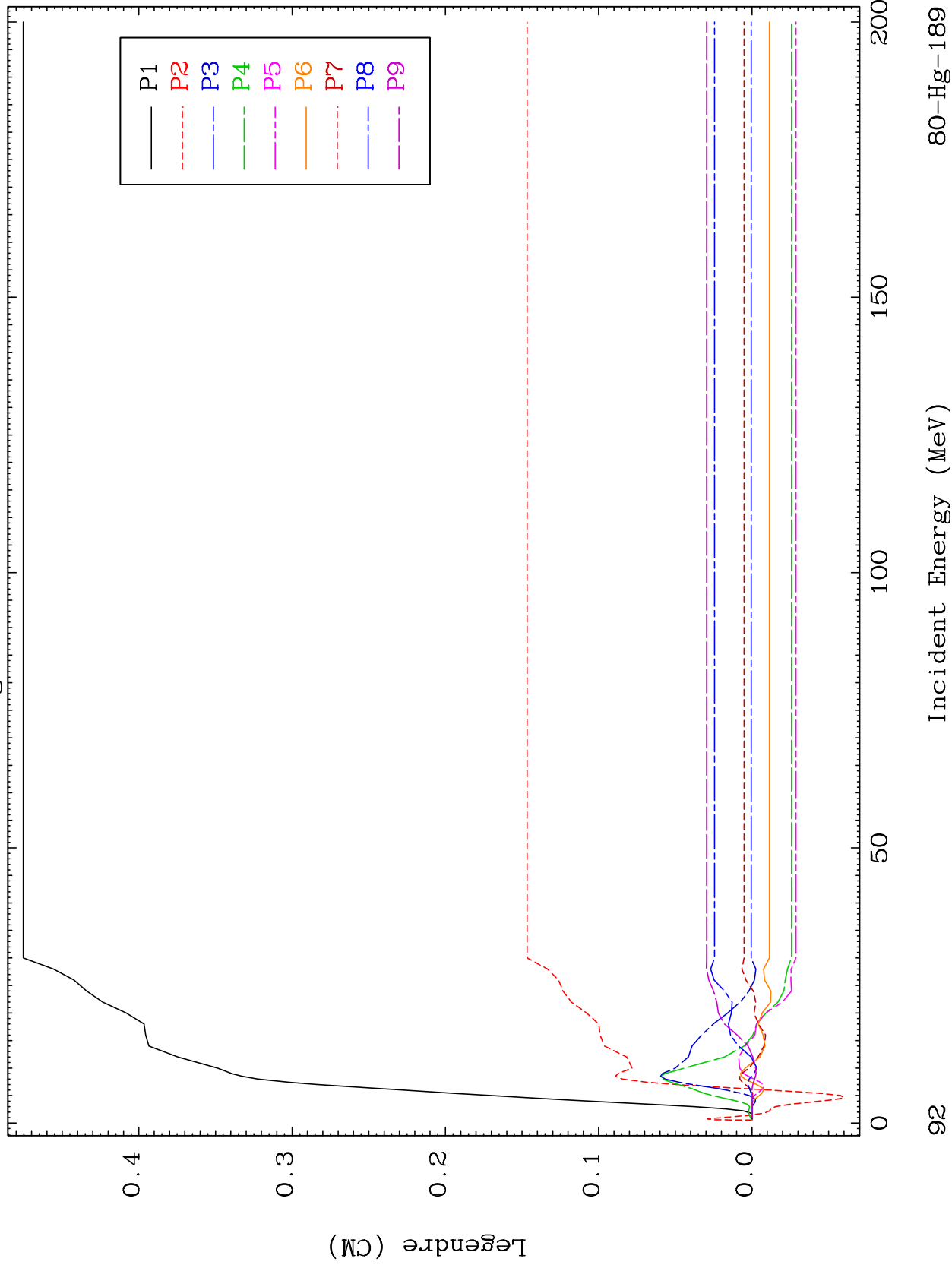
80-Hg-189



MAT 8004

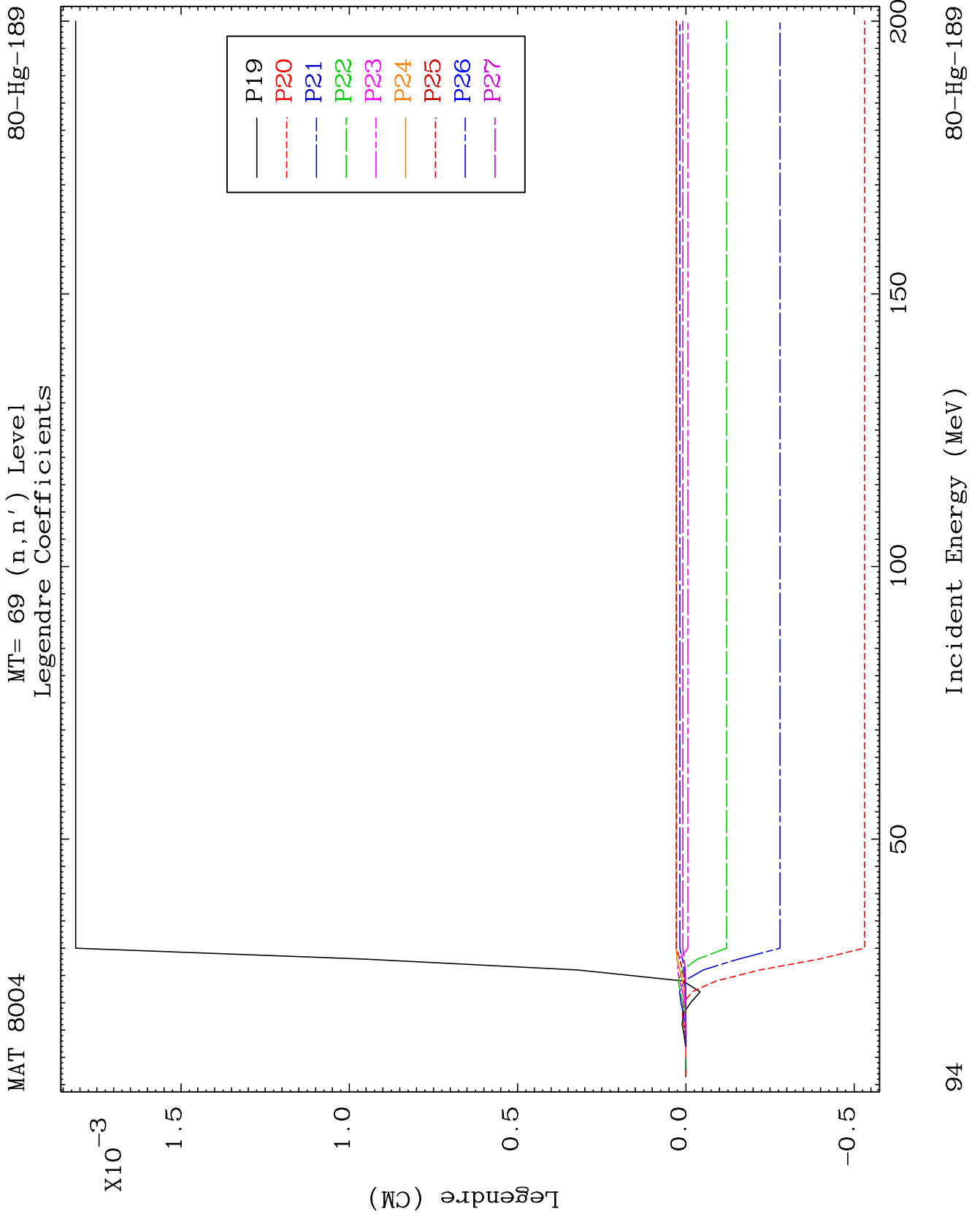
MT= 69 (n,n') Level
Legendre Coefficients

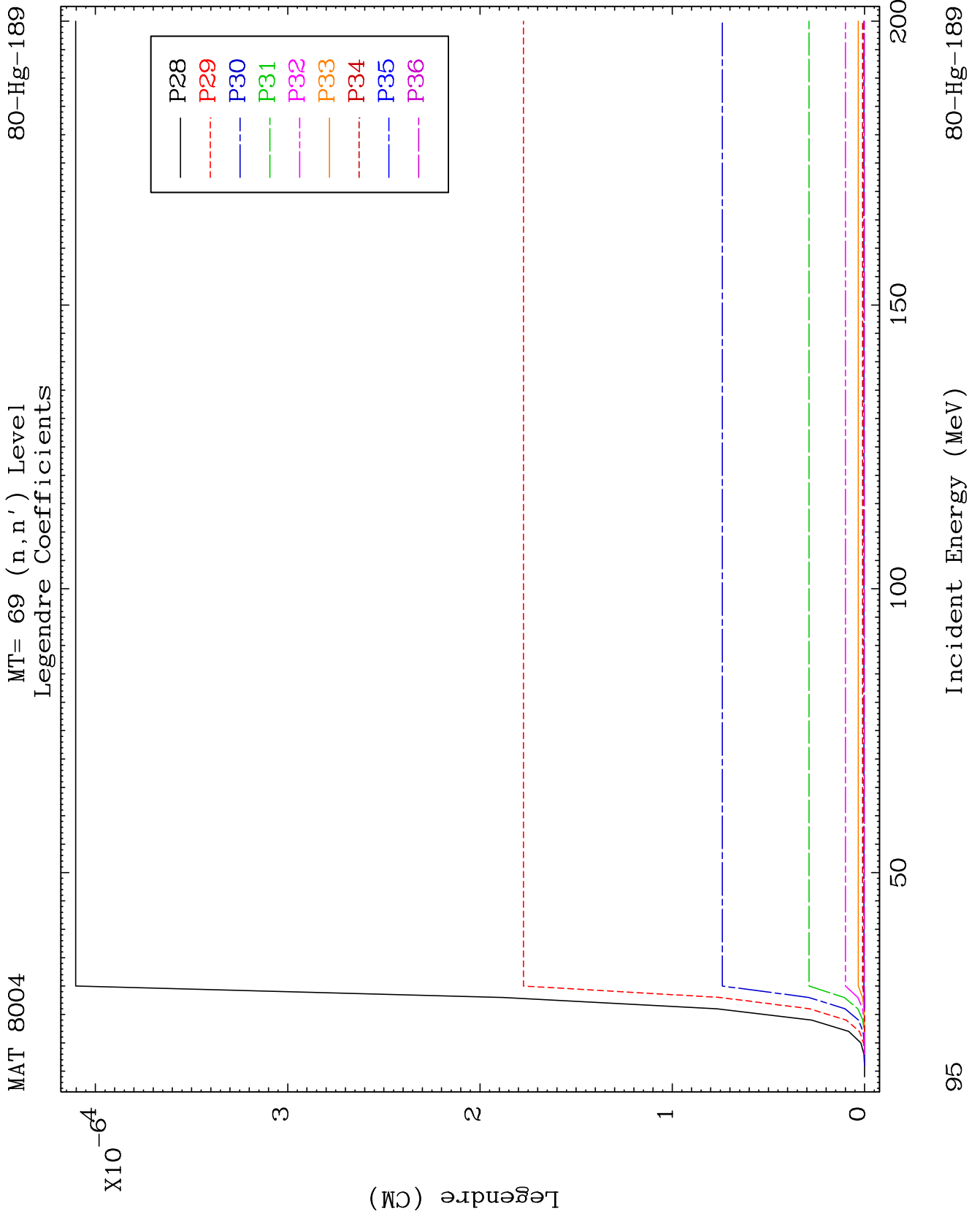
80-Hg-189

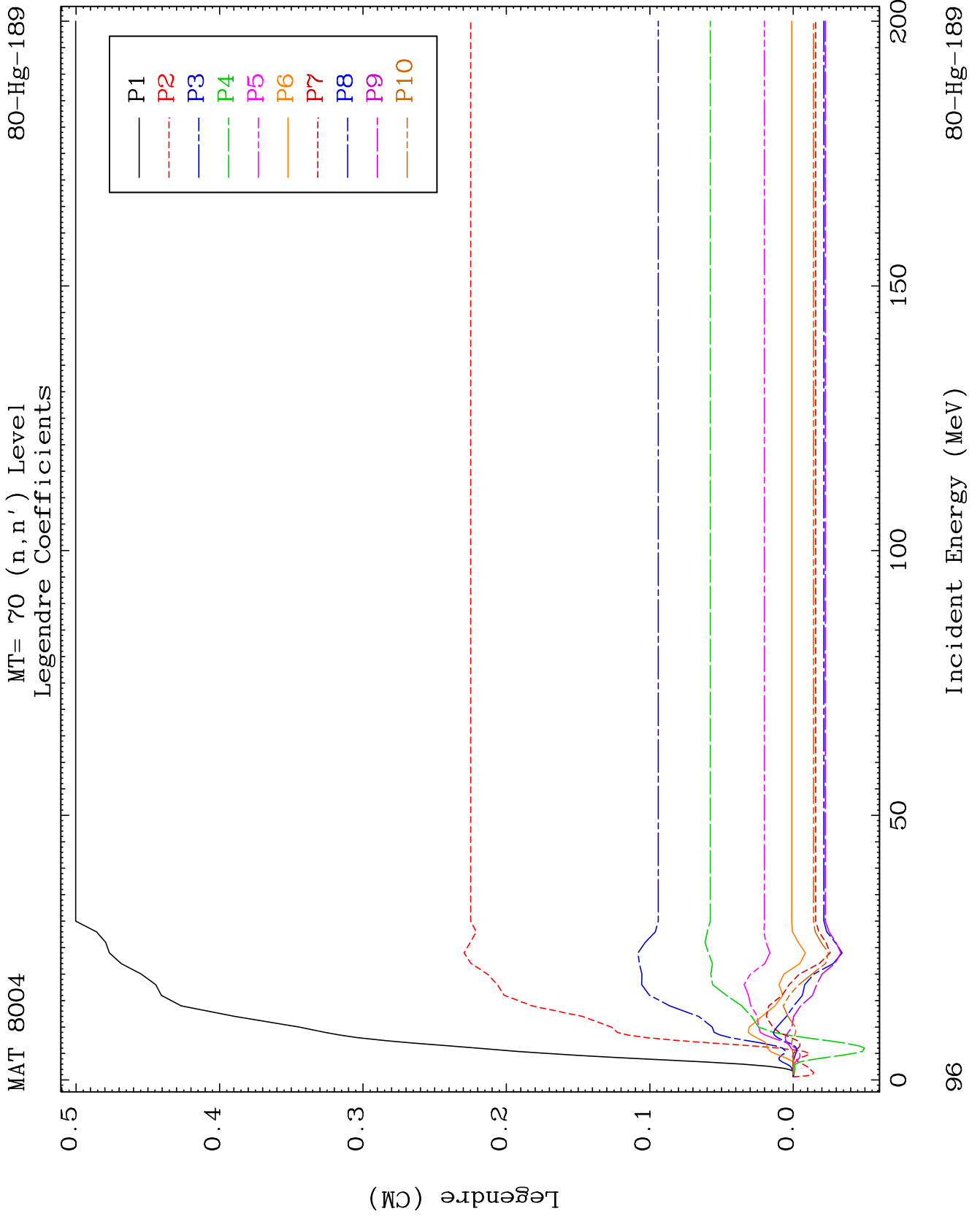


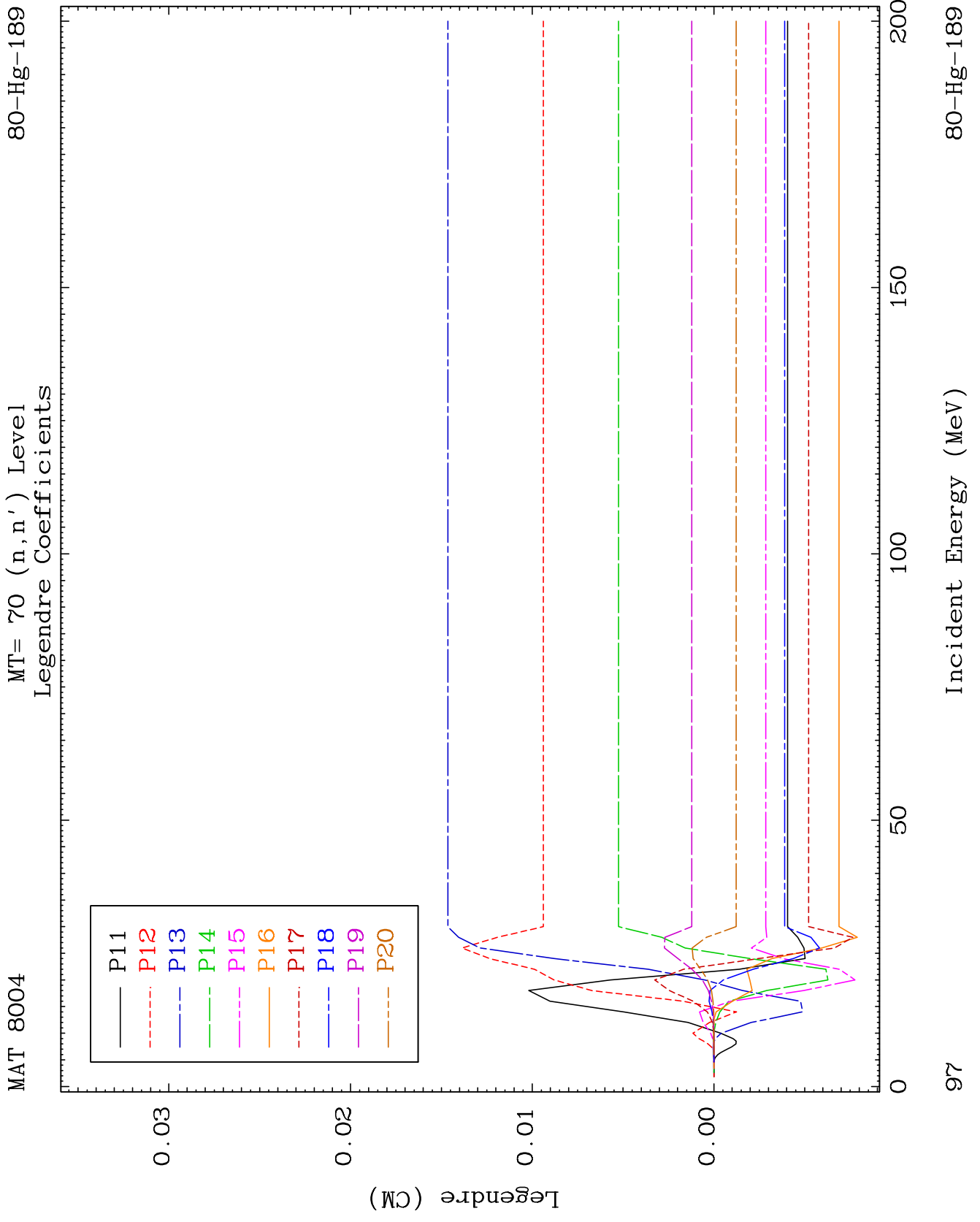
80-Hg-189

92





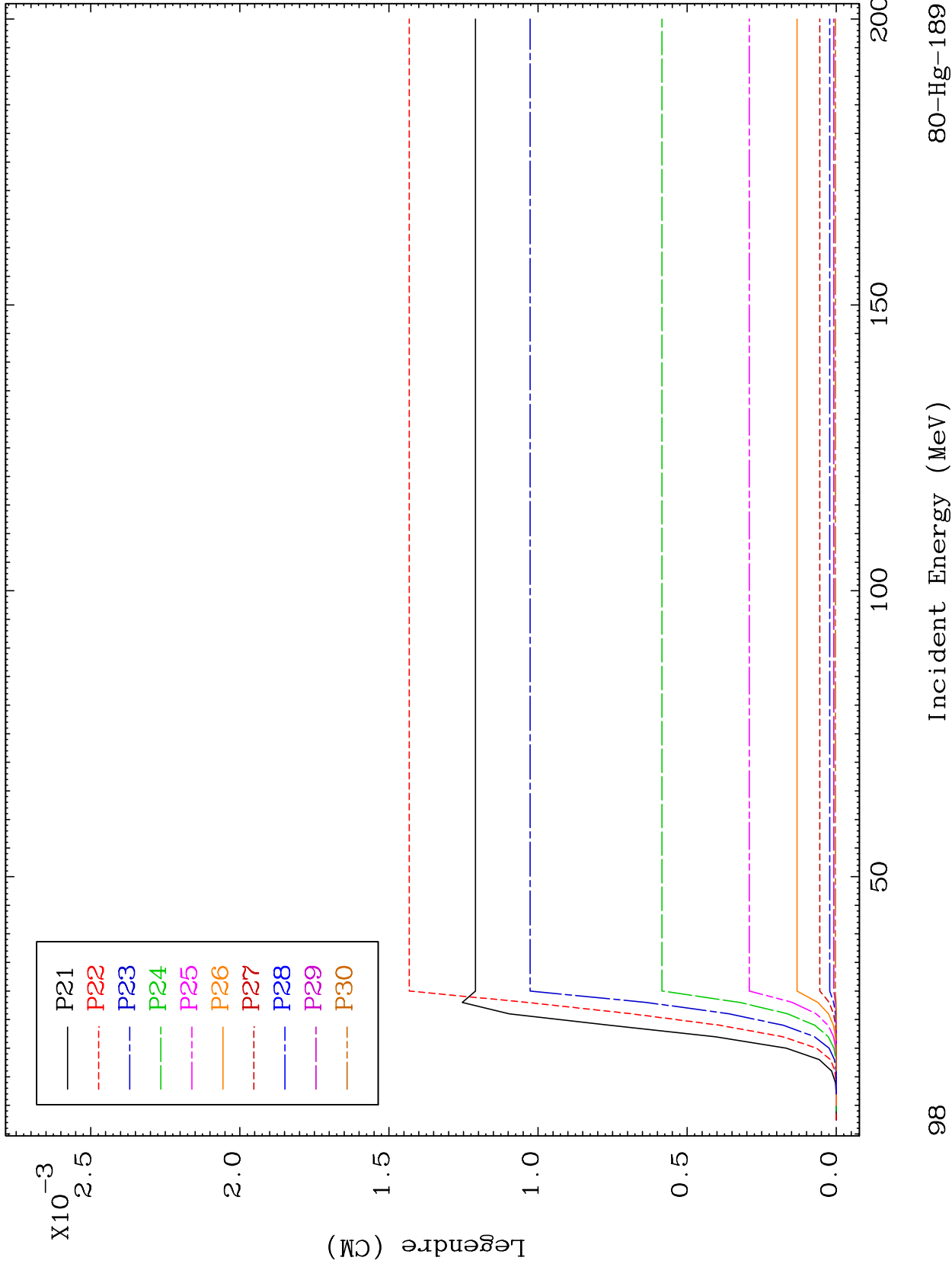




MAT 8004

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

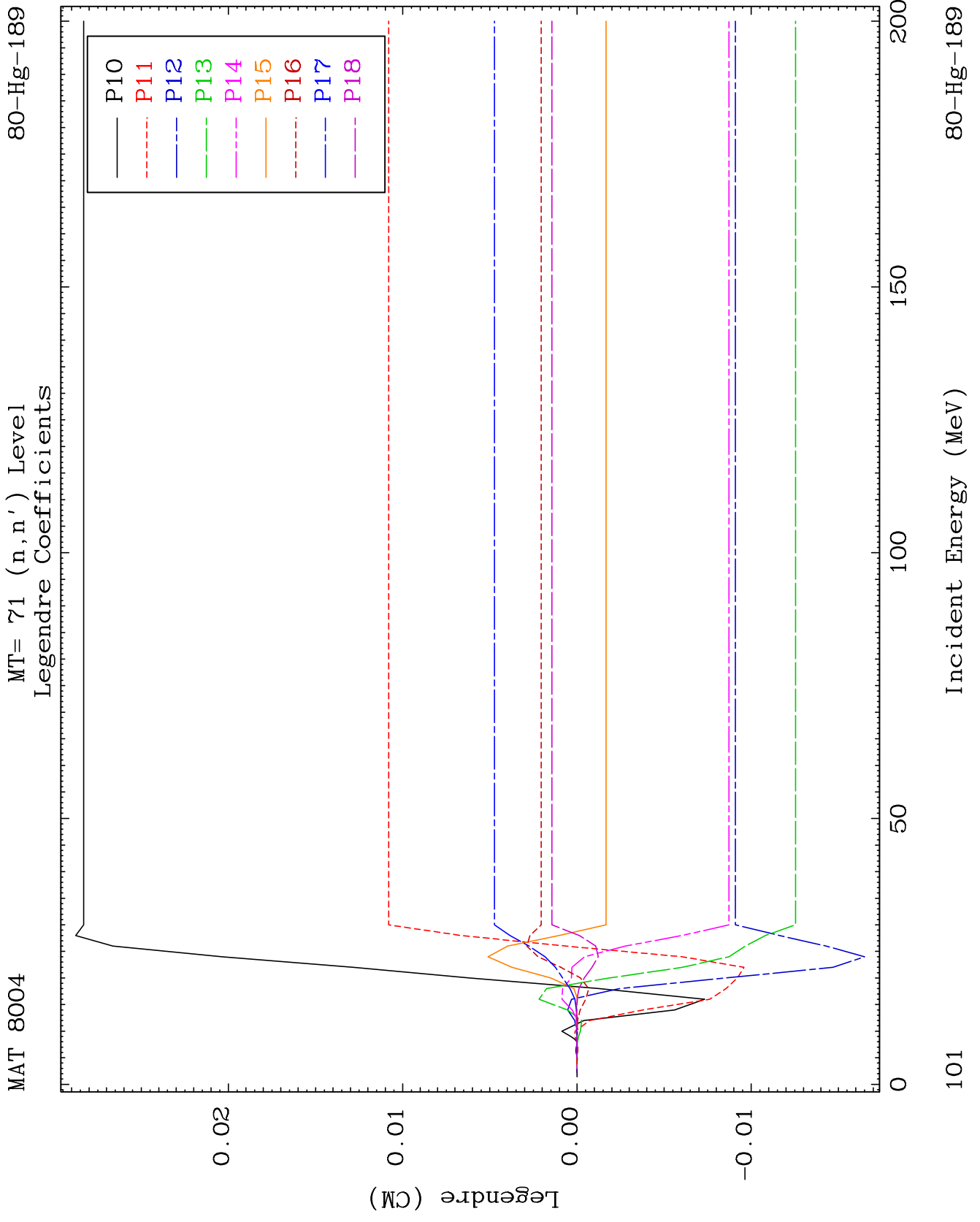
80-Hg-189



98

Incident Energy (MeV)

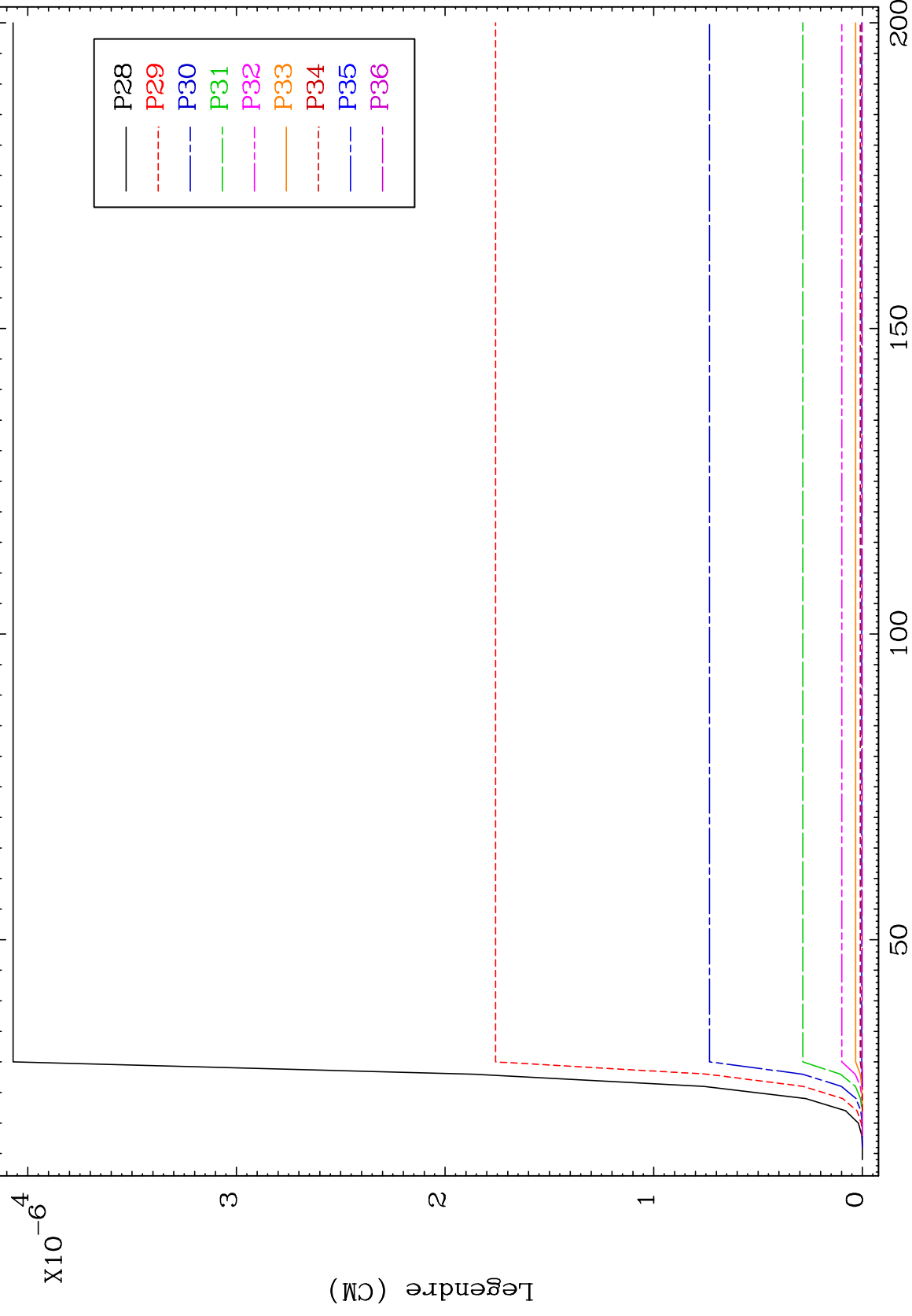
80-Hg-189



MAT 8004

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

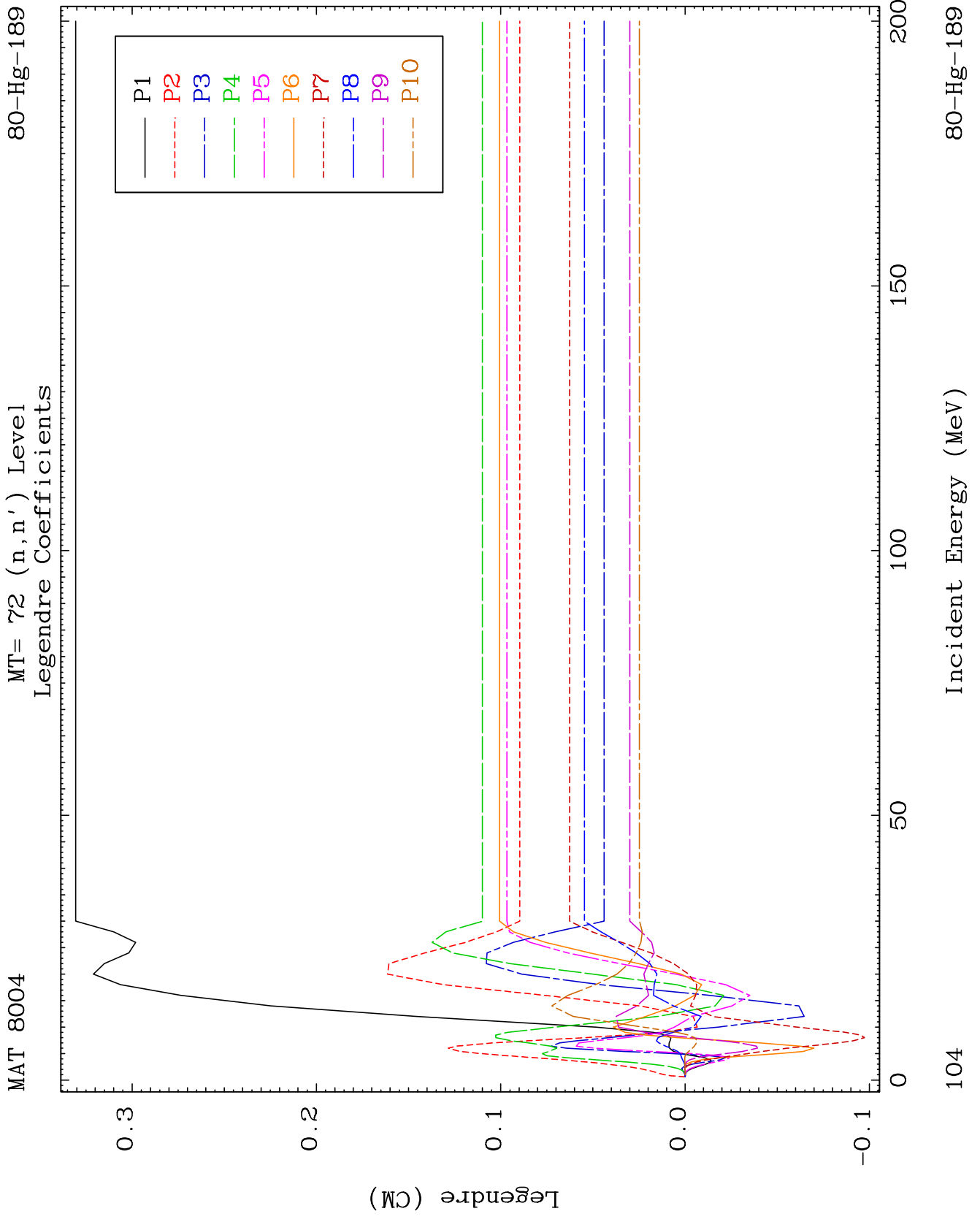
80-Hg-189

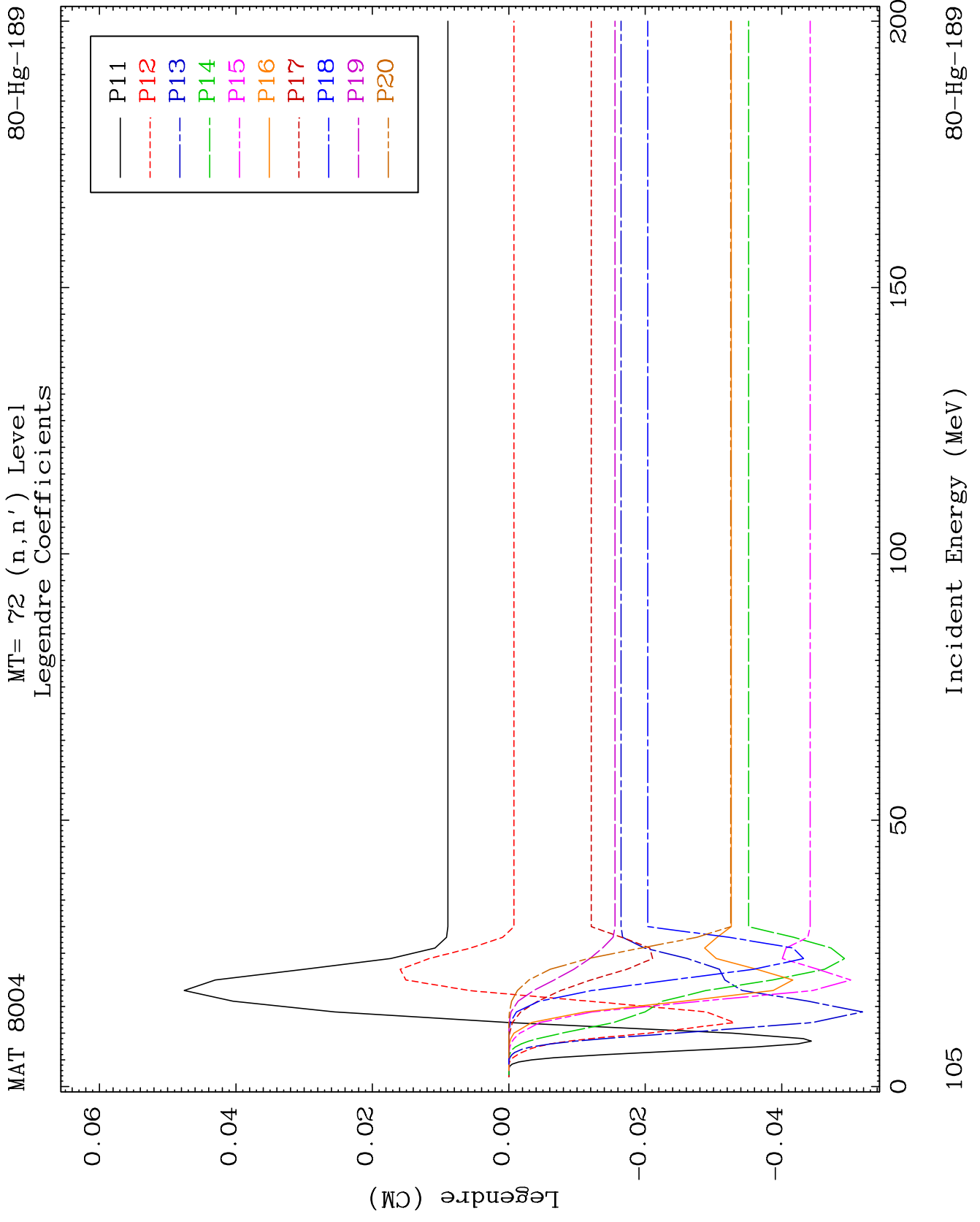


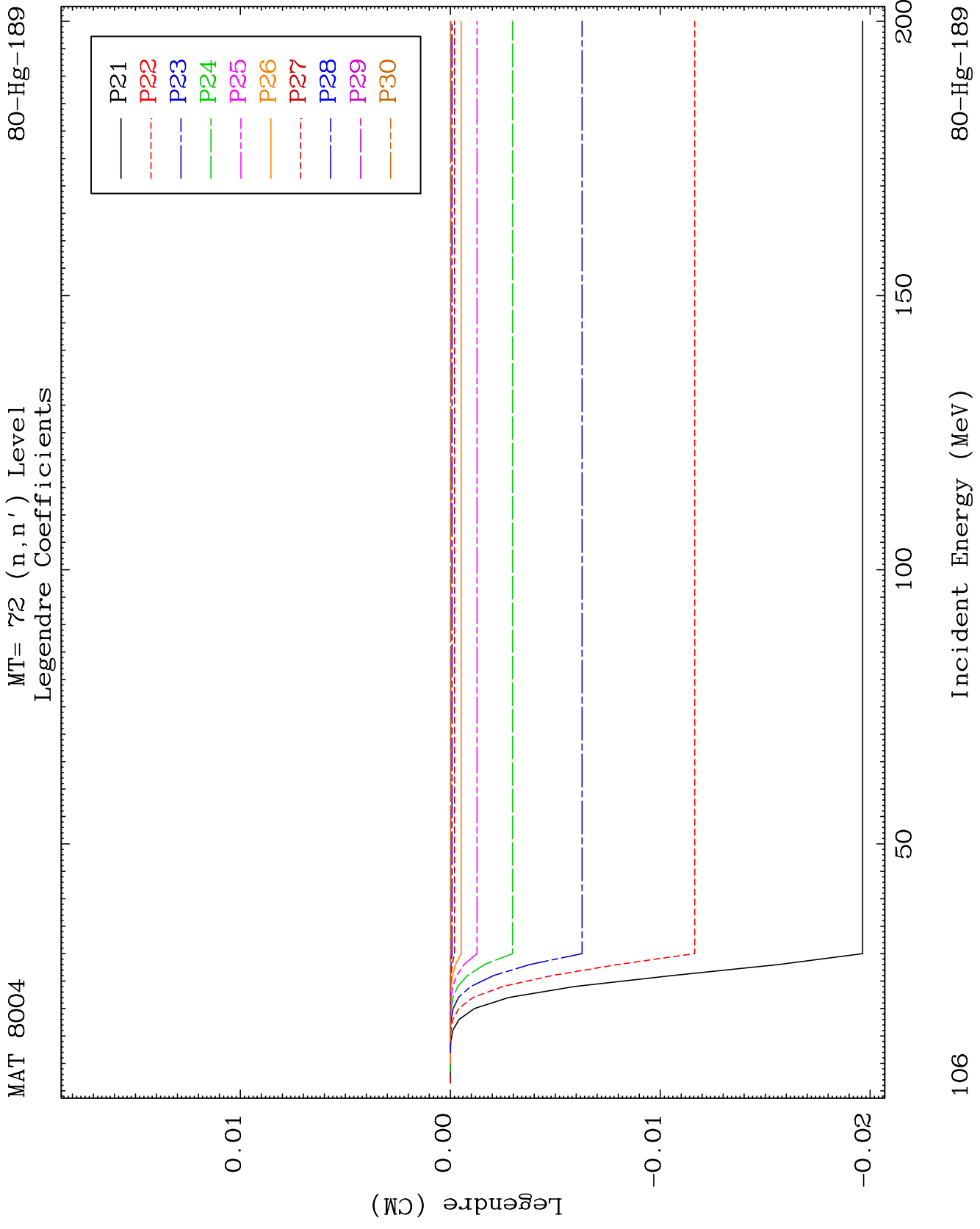
103

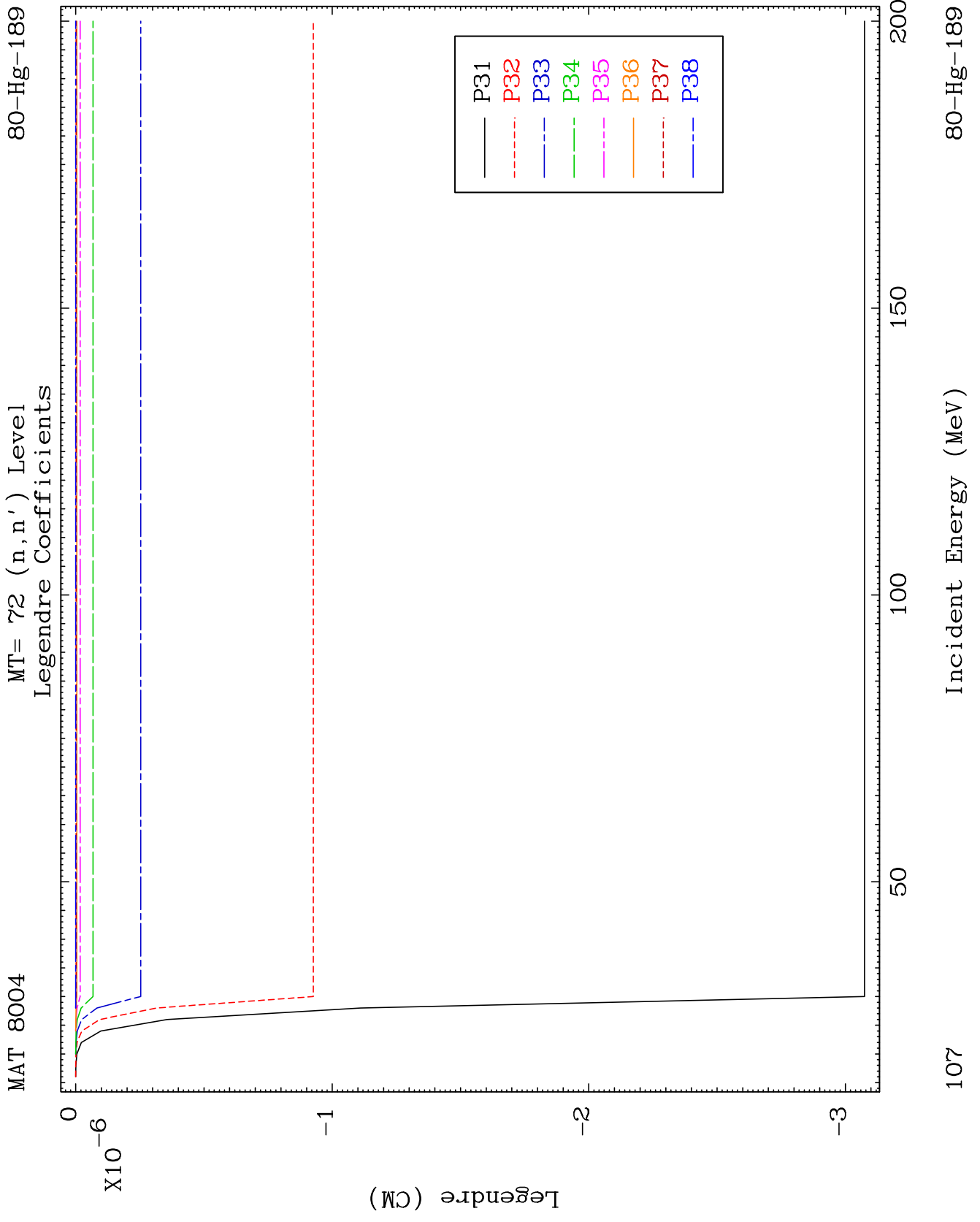
Incident Energy (MeV)

80-Hg-189





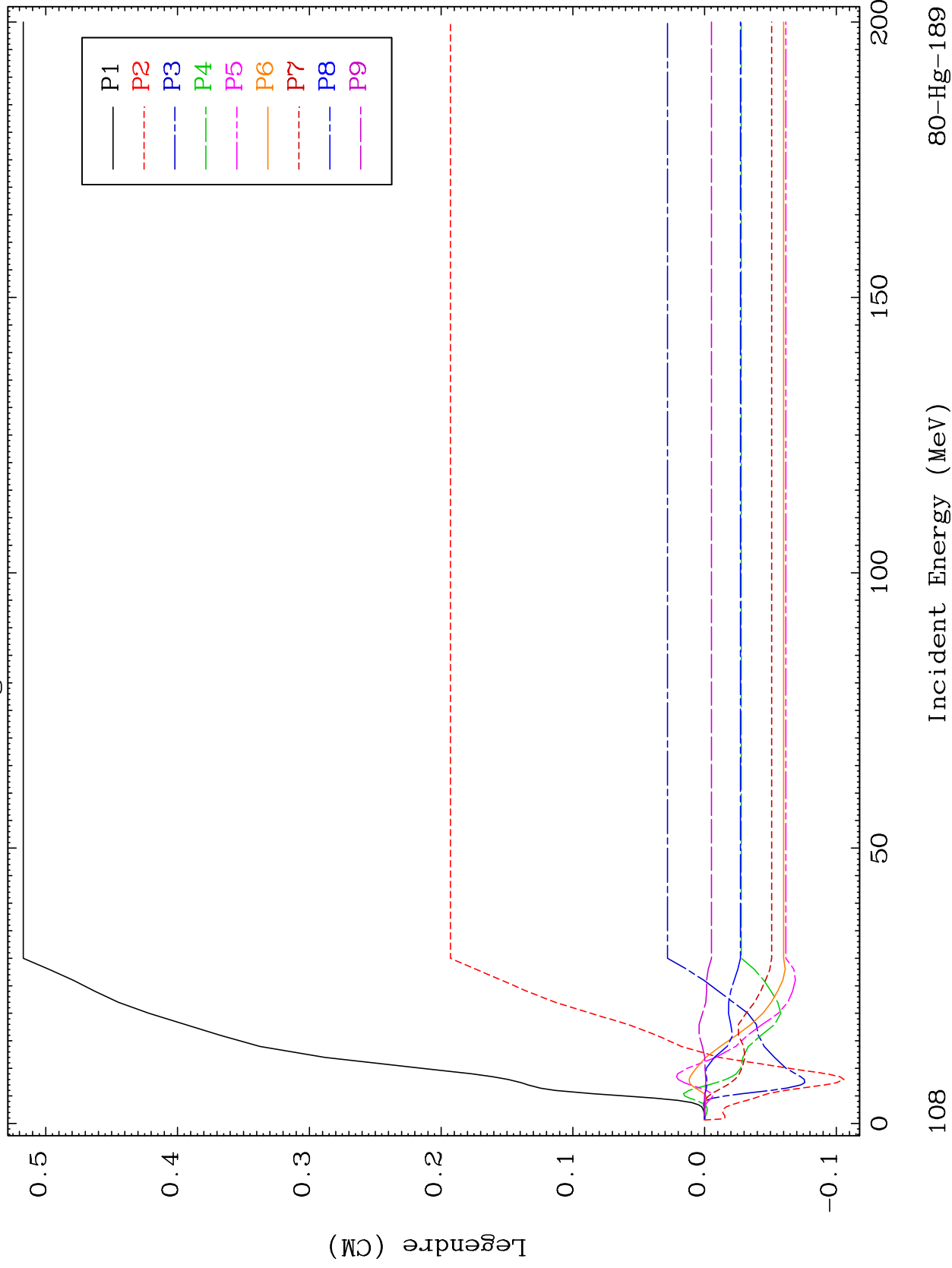




MAT 8004

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

80-Hg-189



80-Hg-189

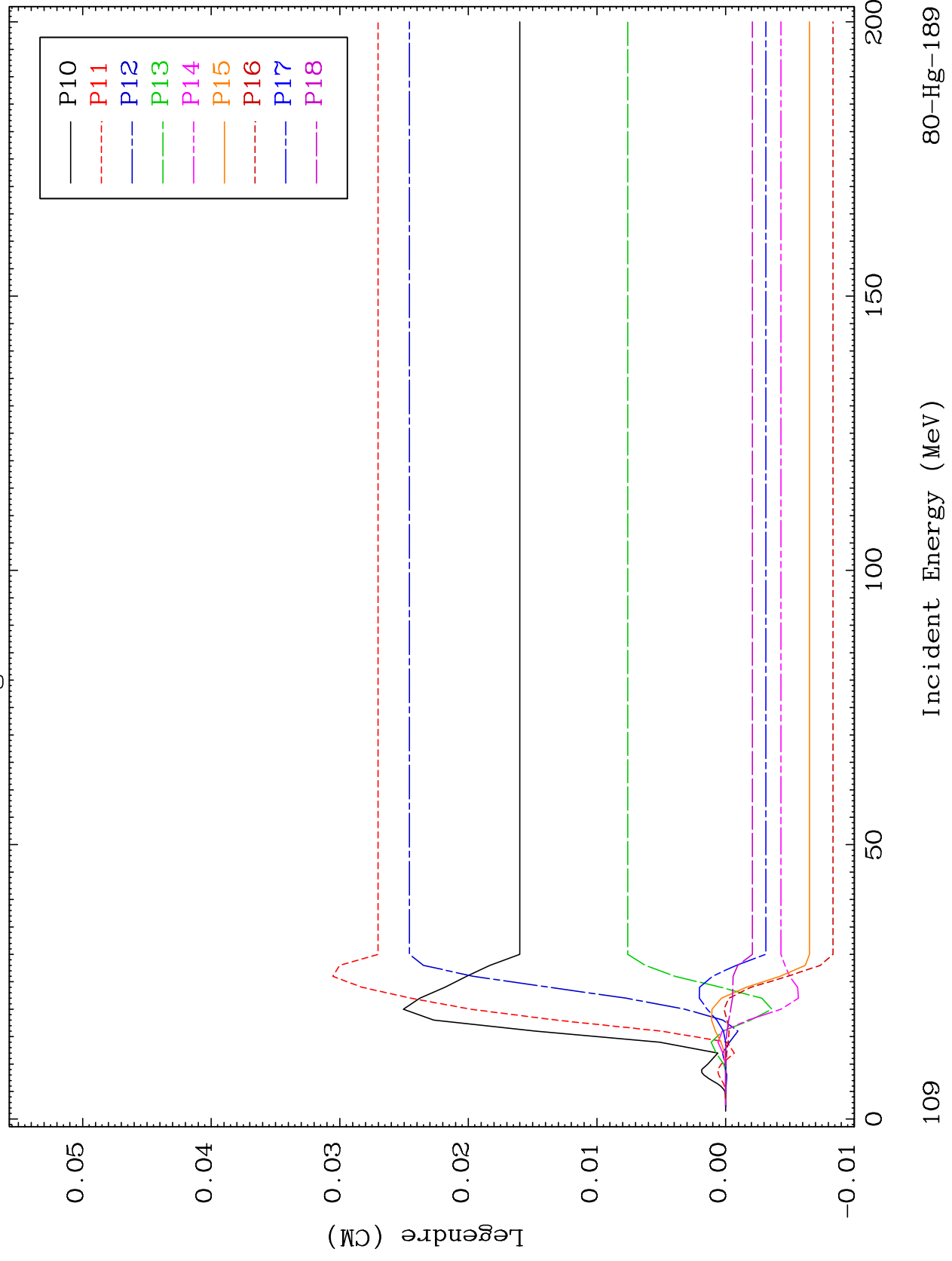
Incident Energy (MeV)

108

MAT 8004

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

80-Hg-189



80-Hg-189

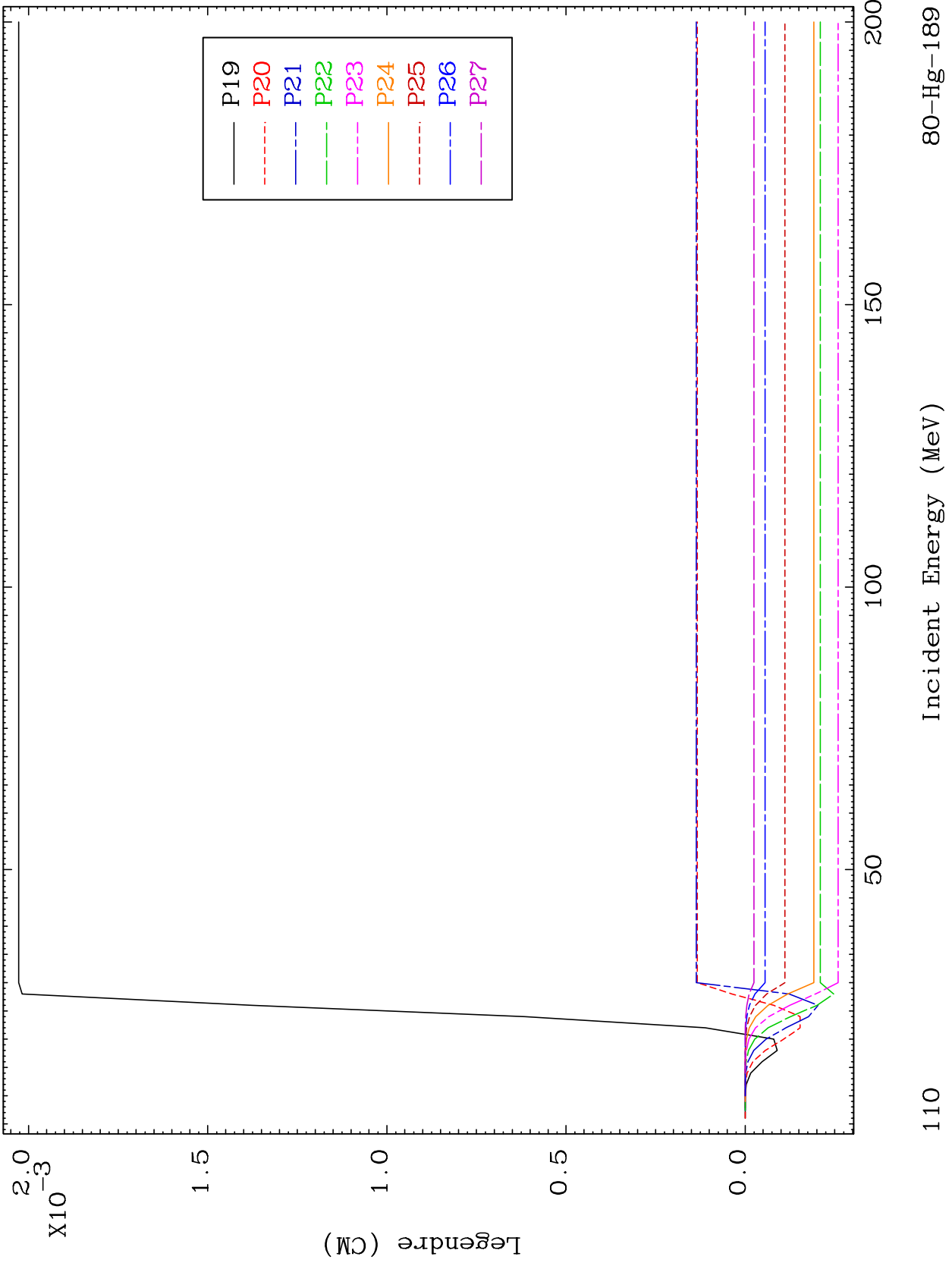
Incident Energy (MeV)

109

MAT 8004

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

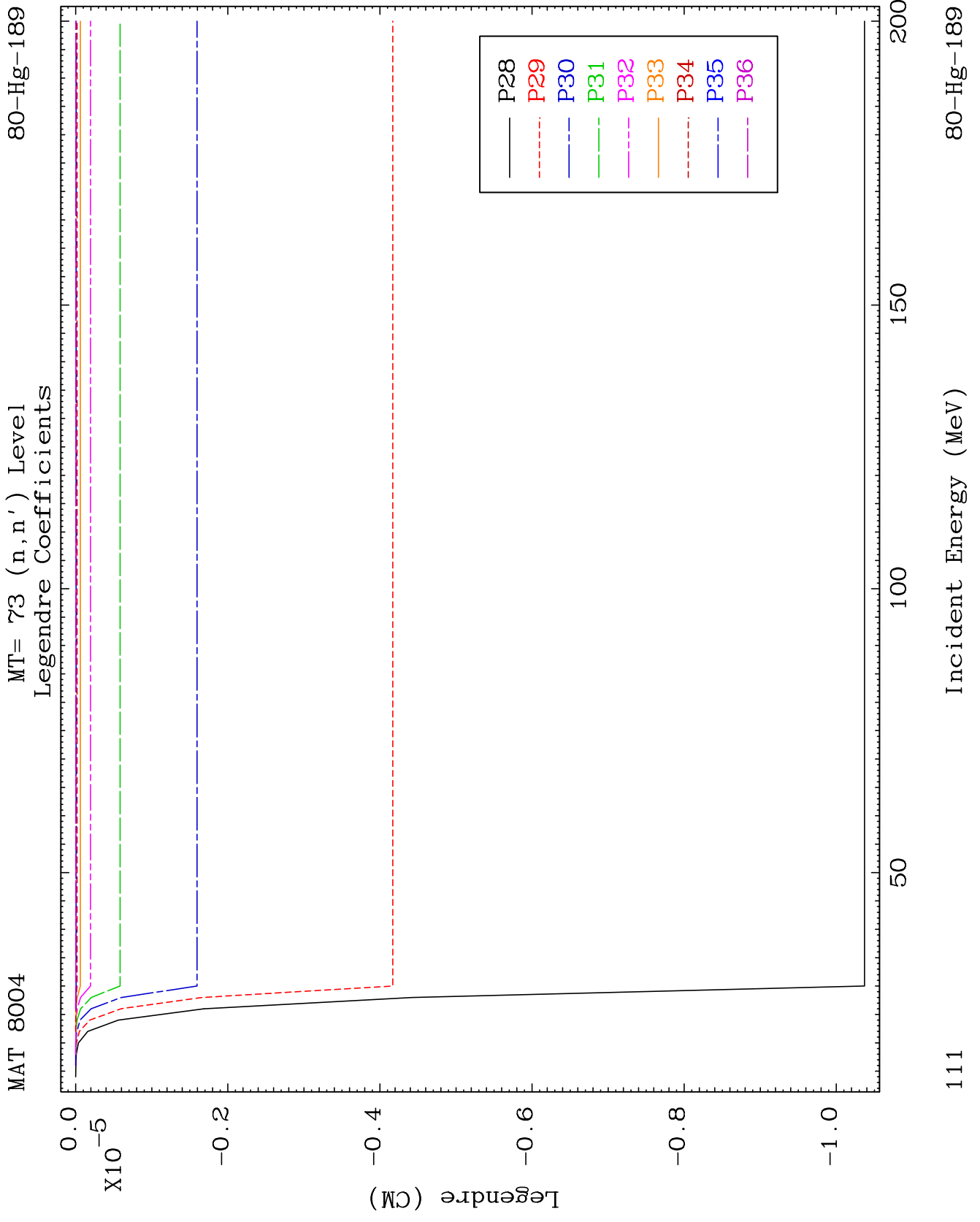
80-Hg-189



110

Incident Energy (MeV)

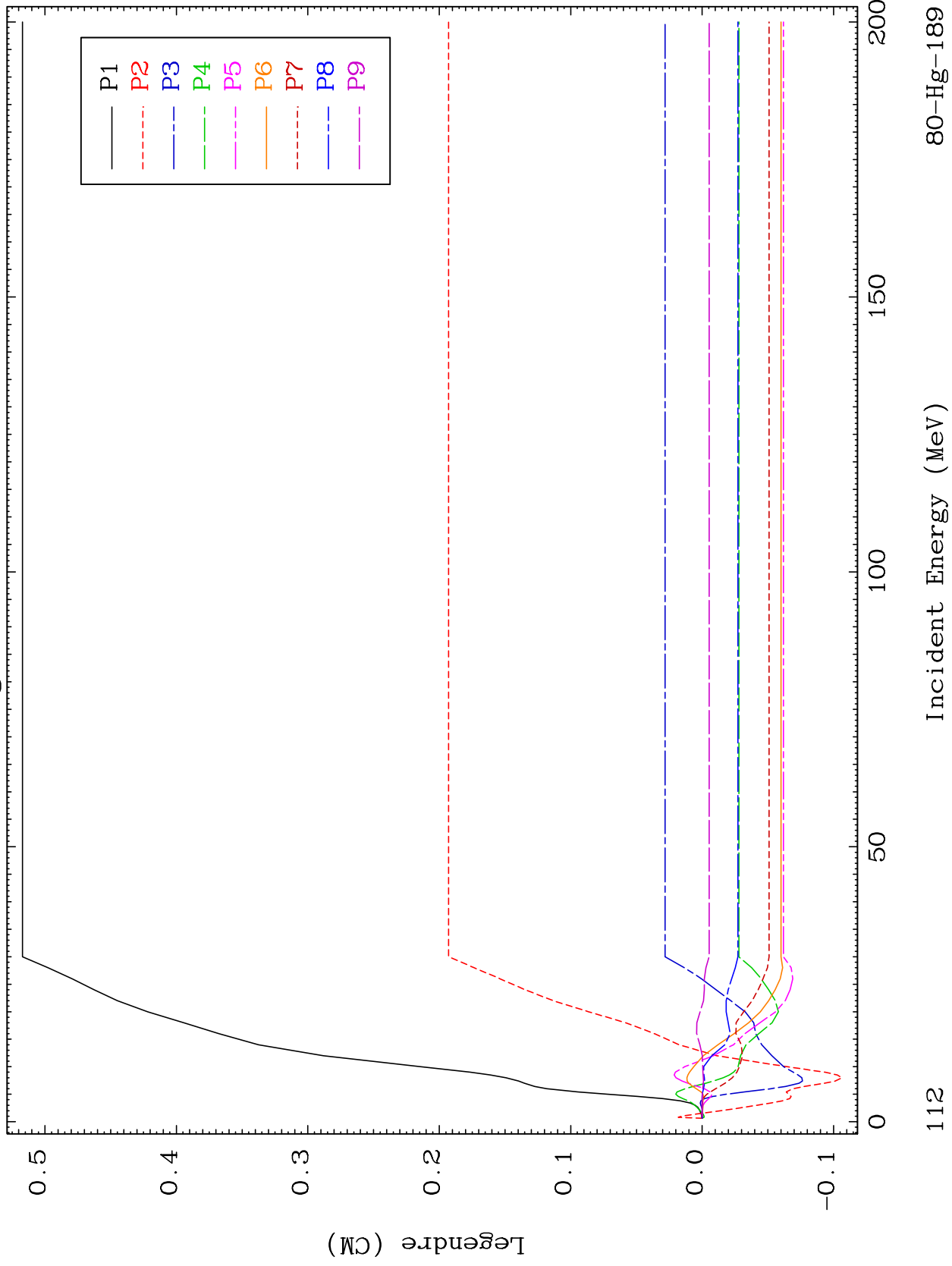
80-Hg-189



MAT 8004

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

80-Hg-189

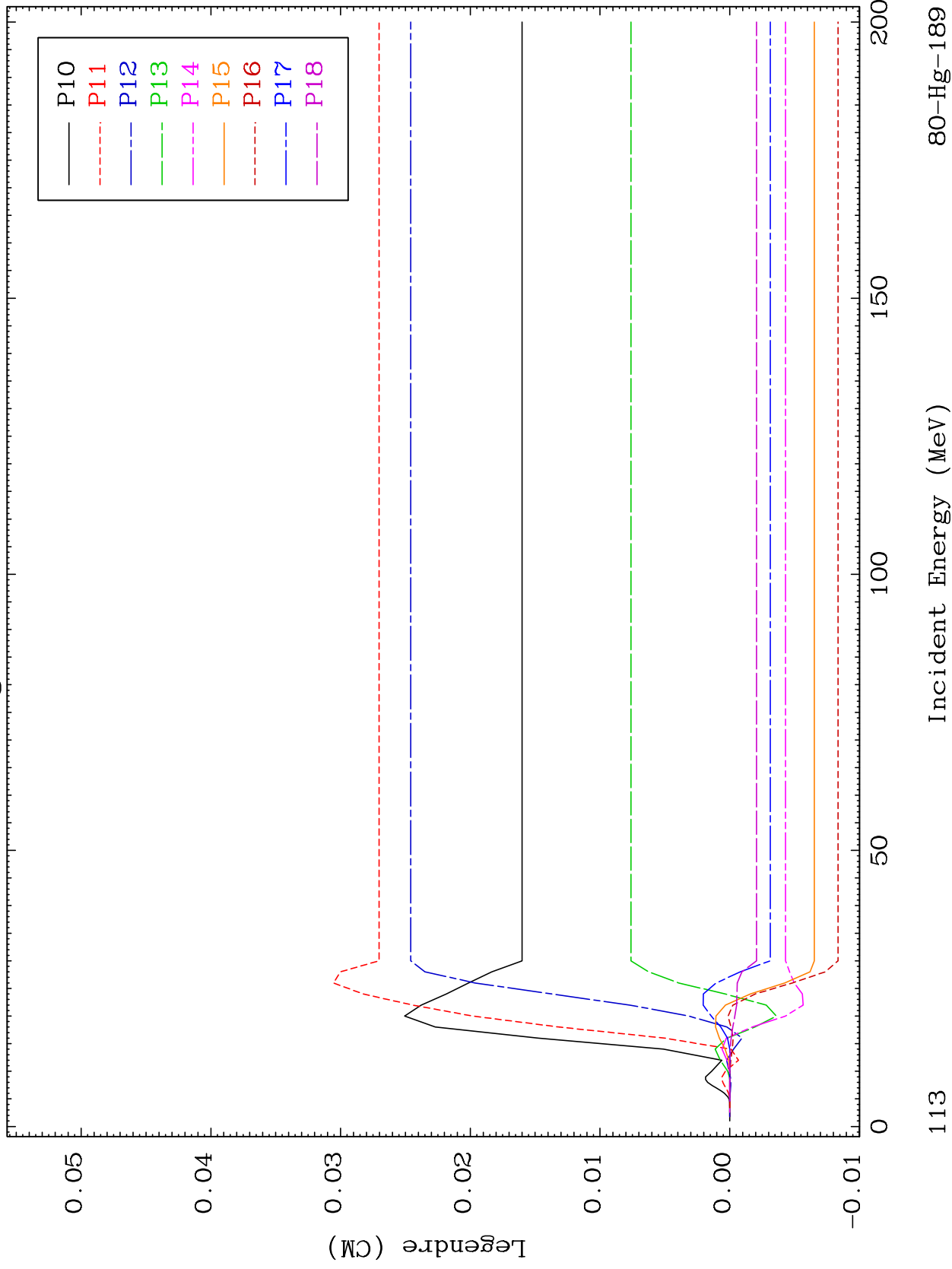


112

MAT 8004

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

80-Hg-189



113

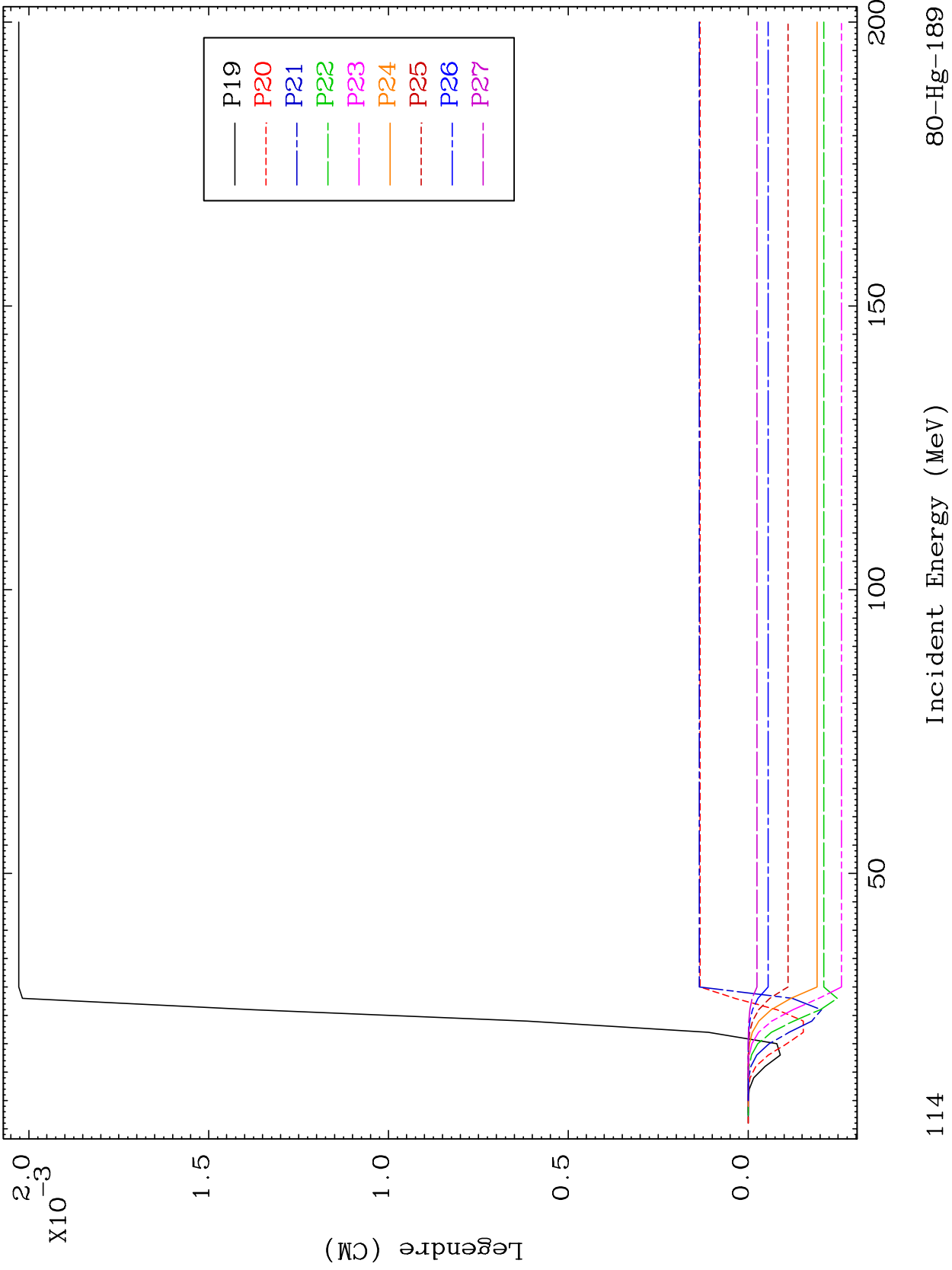
Incident Energy (MeV)

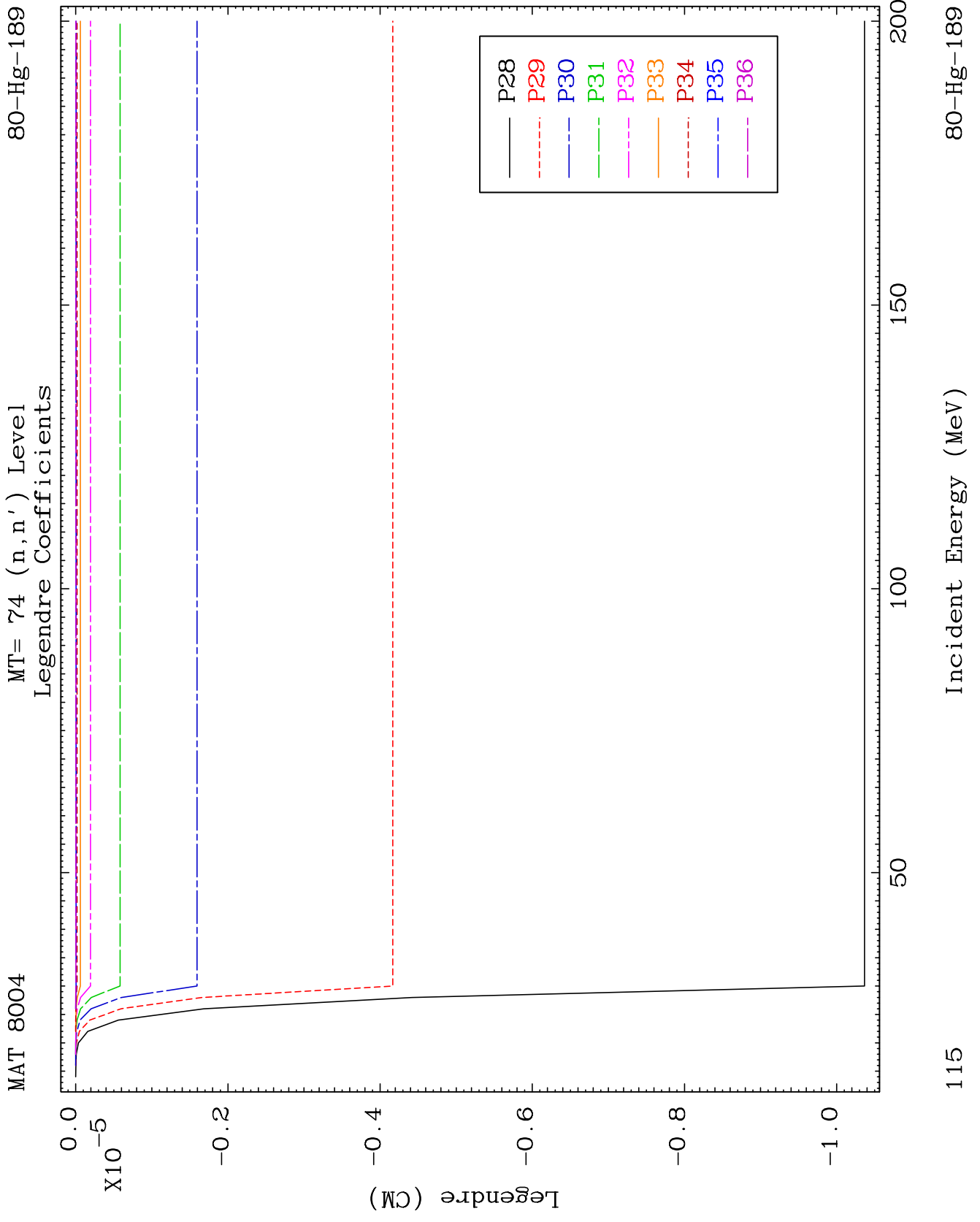
80-Hg-189

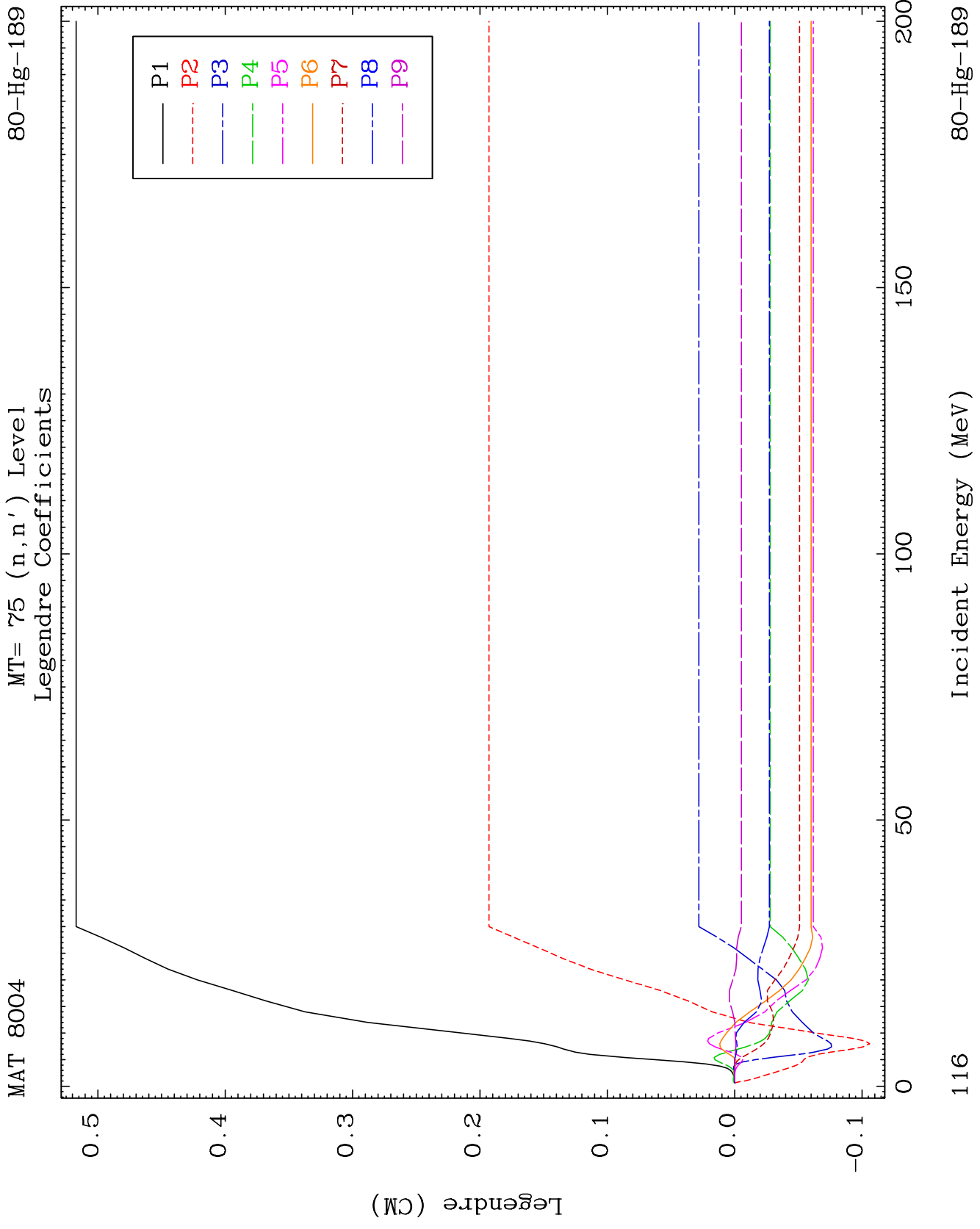
MAT 8004

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

80-Hg-189



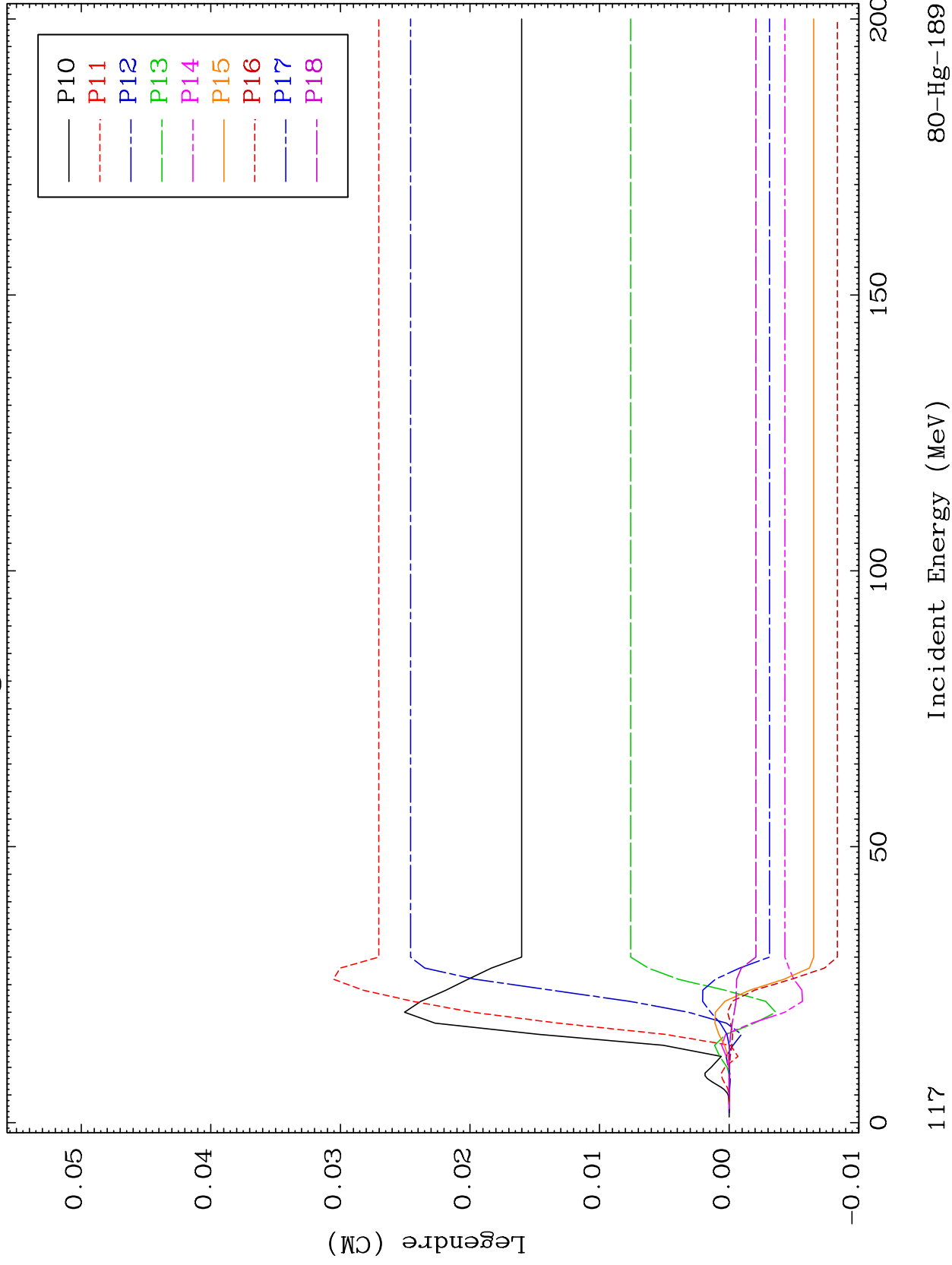




MAT 8004

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

80-Hg-189

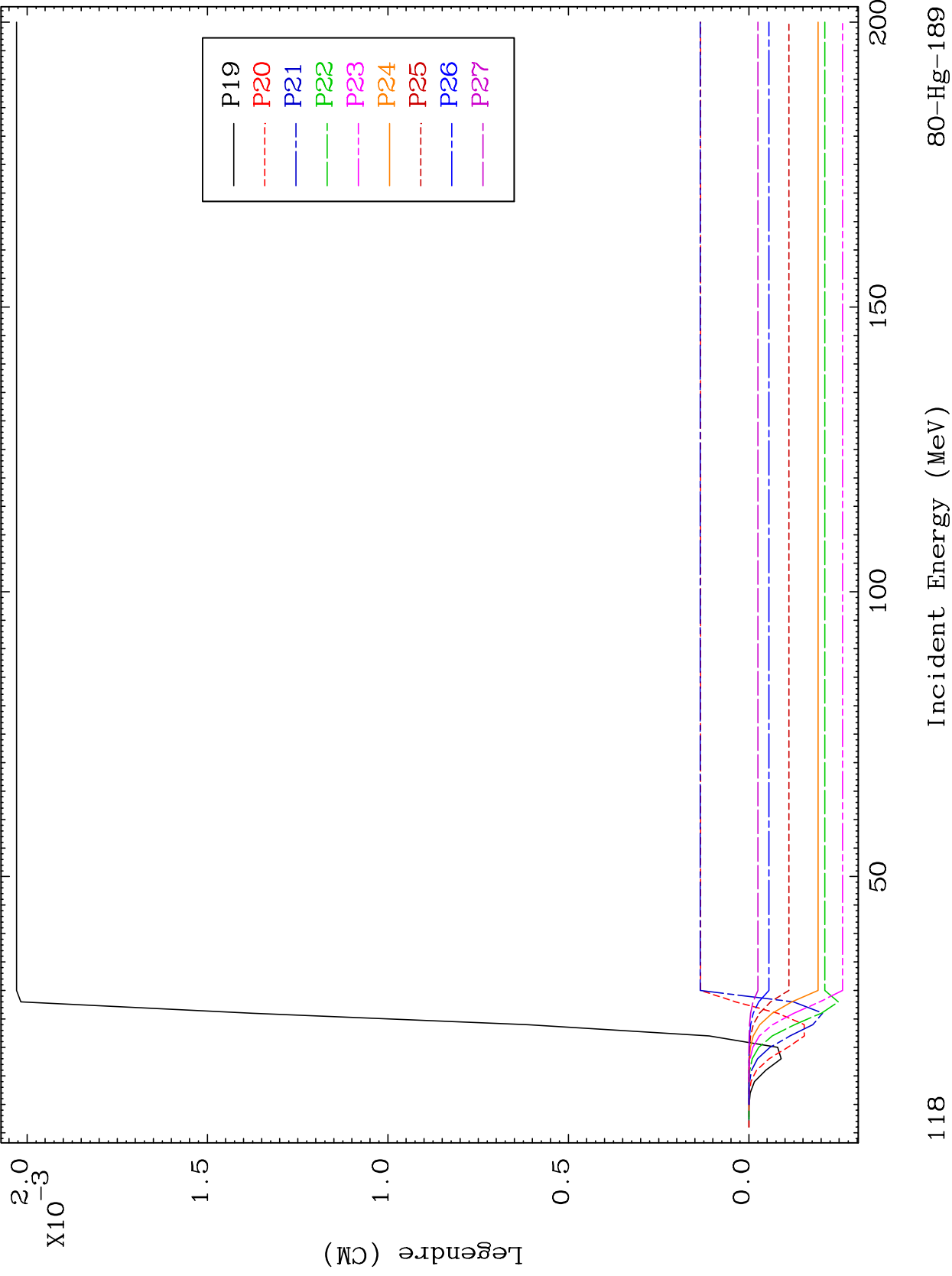


117

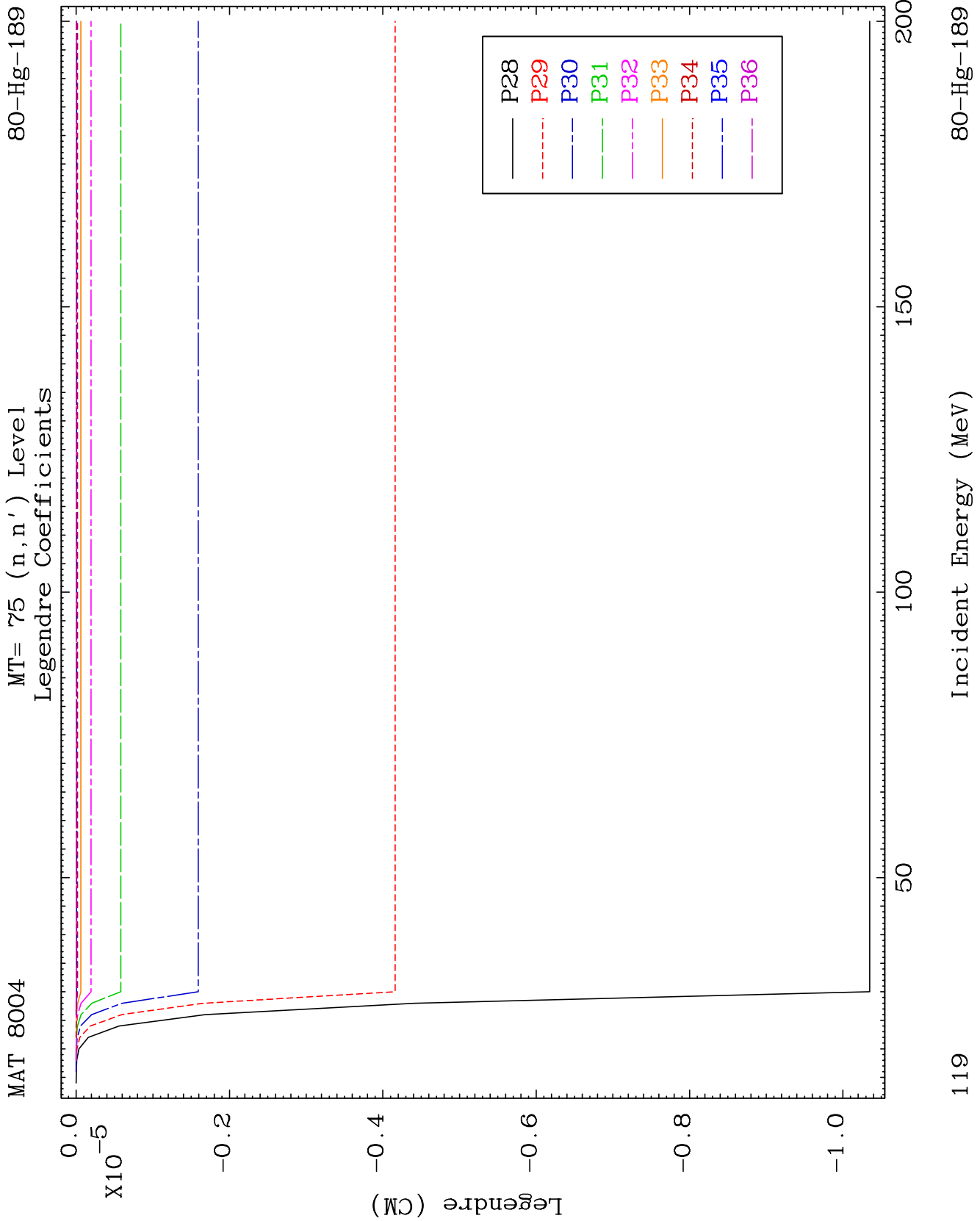
MAT 8004

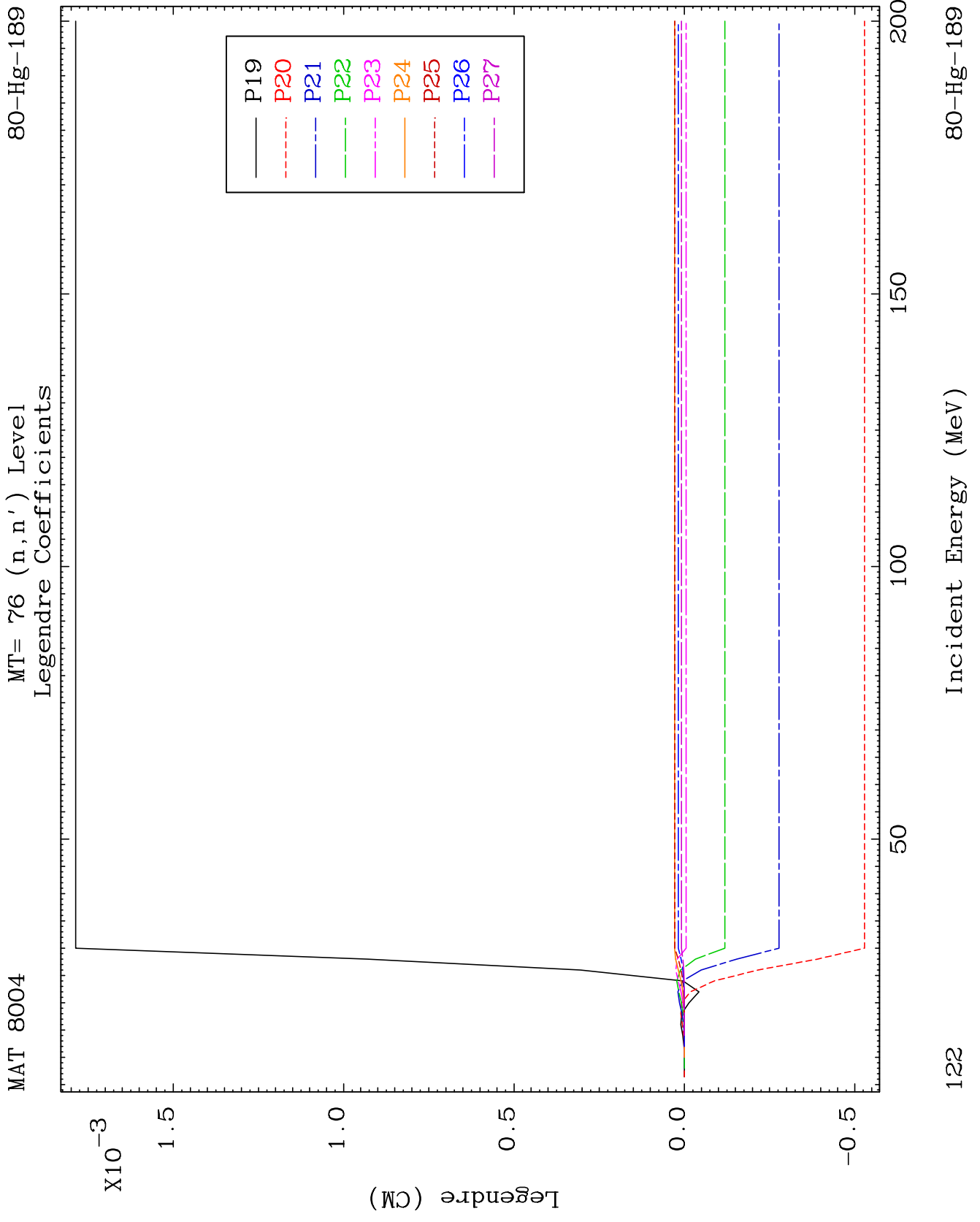
MT= 75 (n,n') Level
Legendre Coefficients

80-Hg-189



118

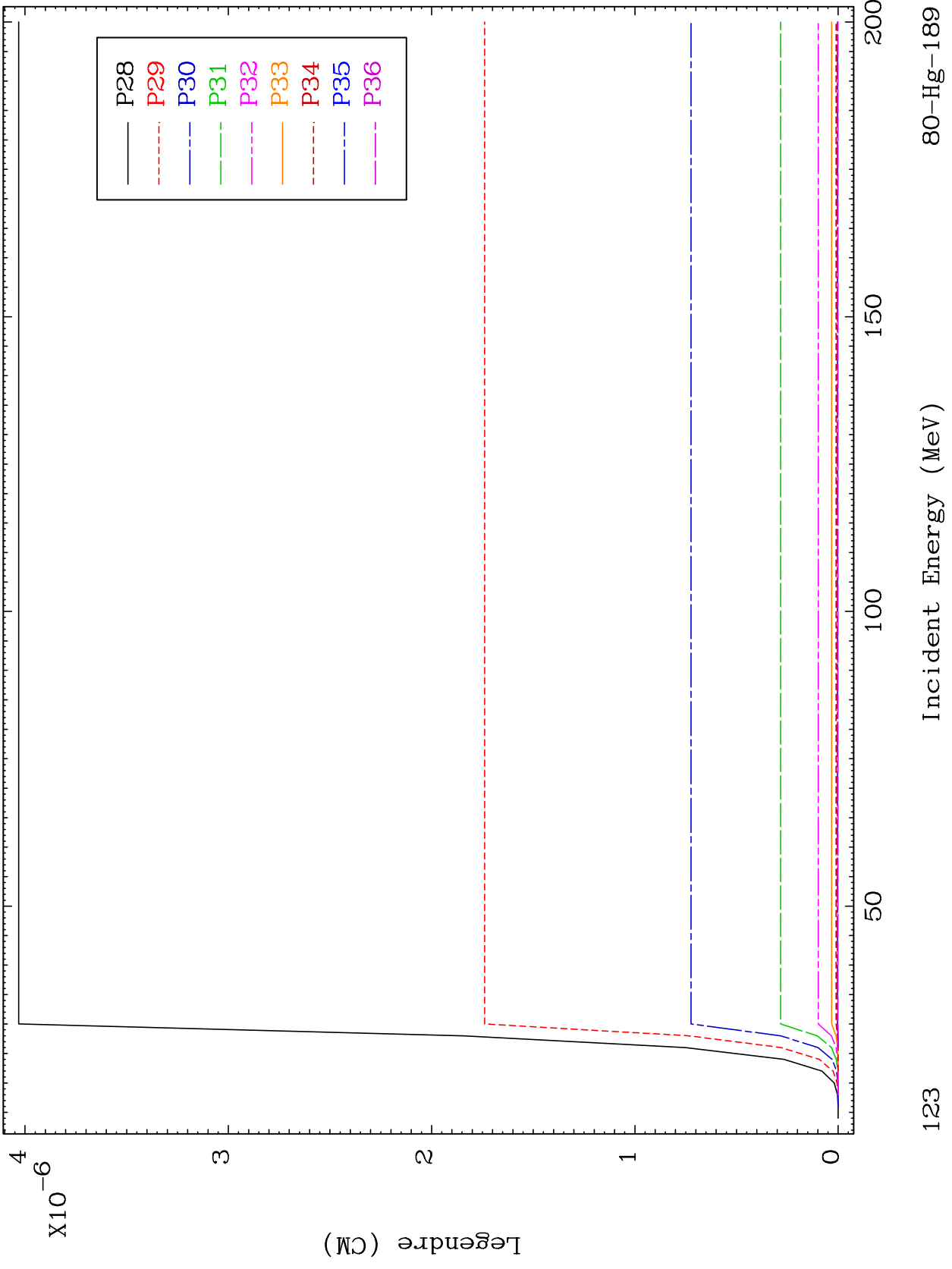




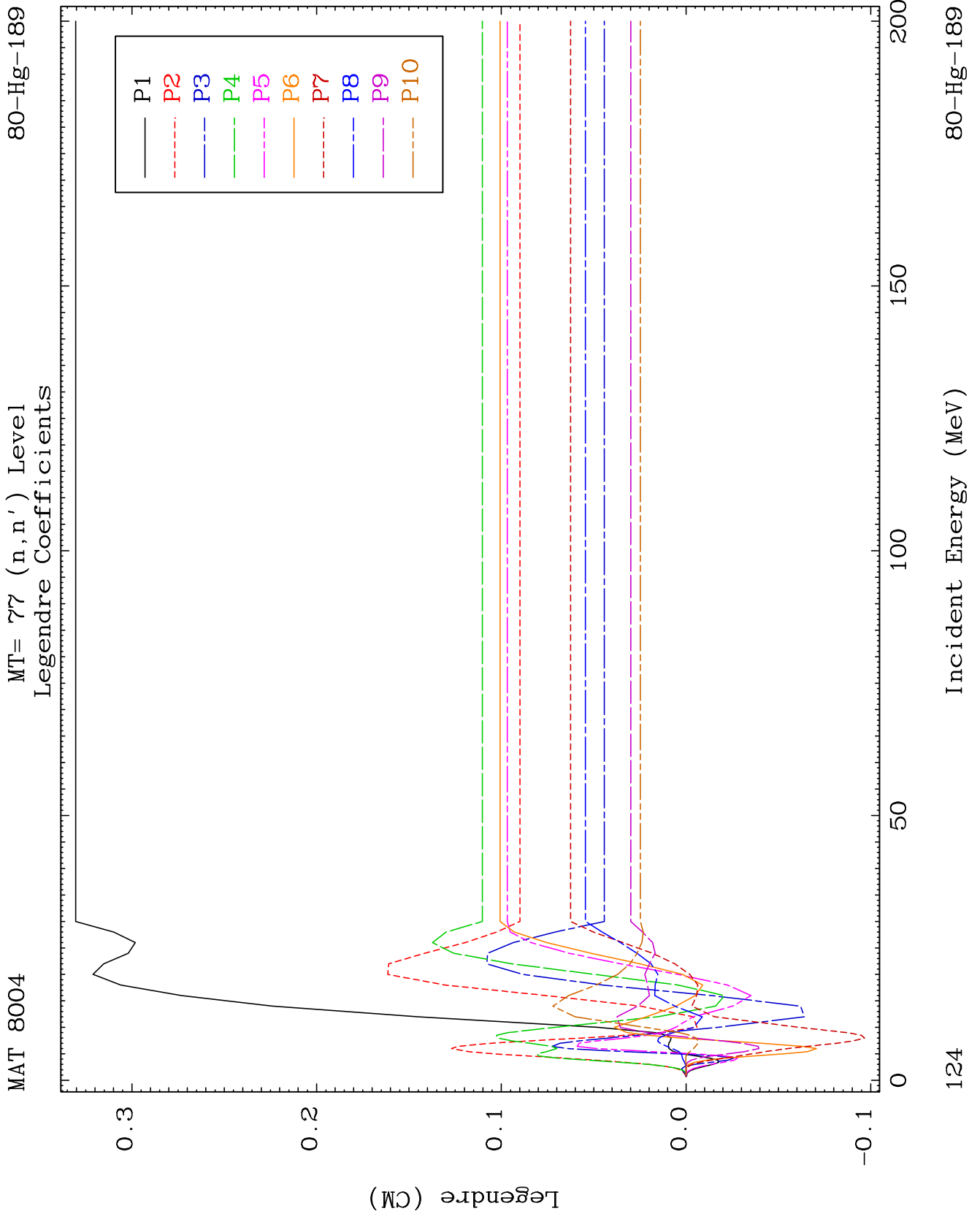
MAT 8004

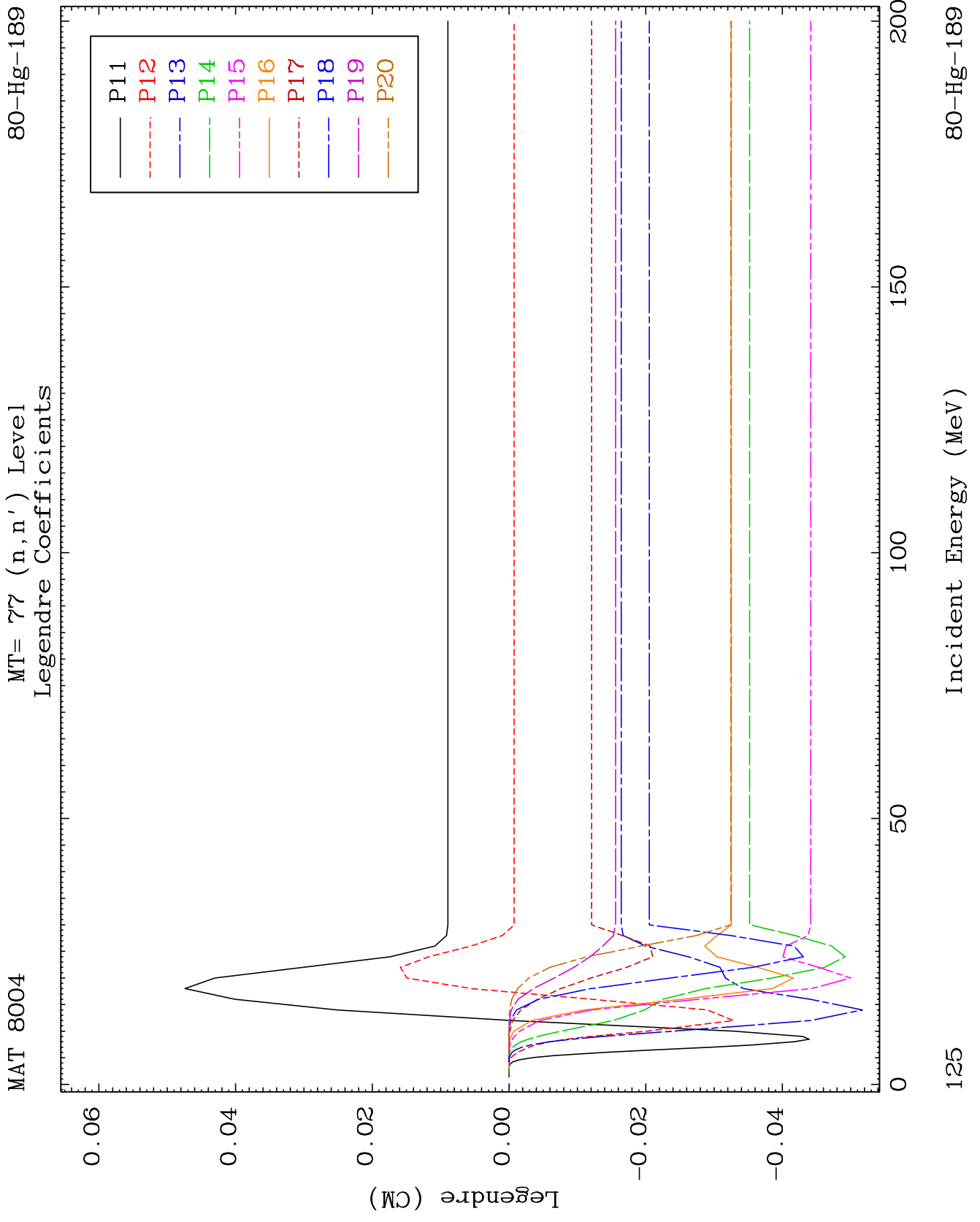
MT= 76 (n,n') Level
Legendre Coefficients

80-Hg-189



123

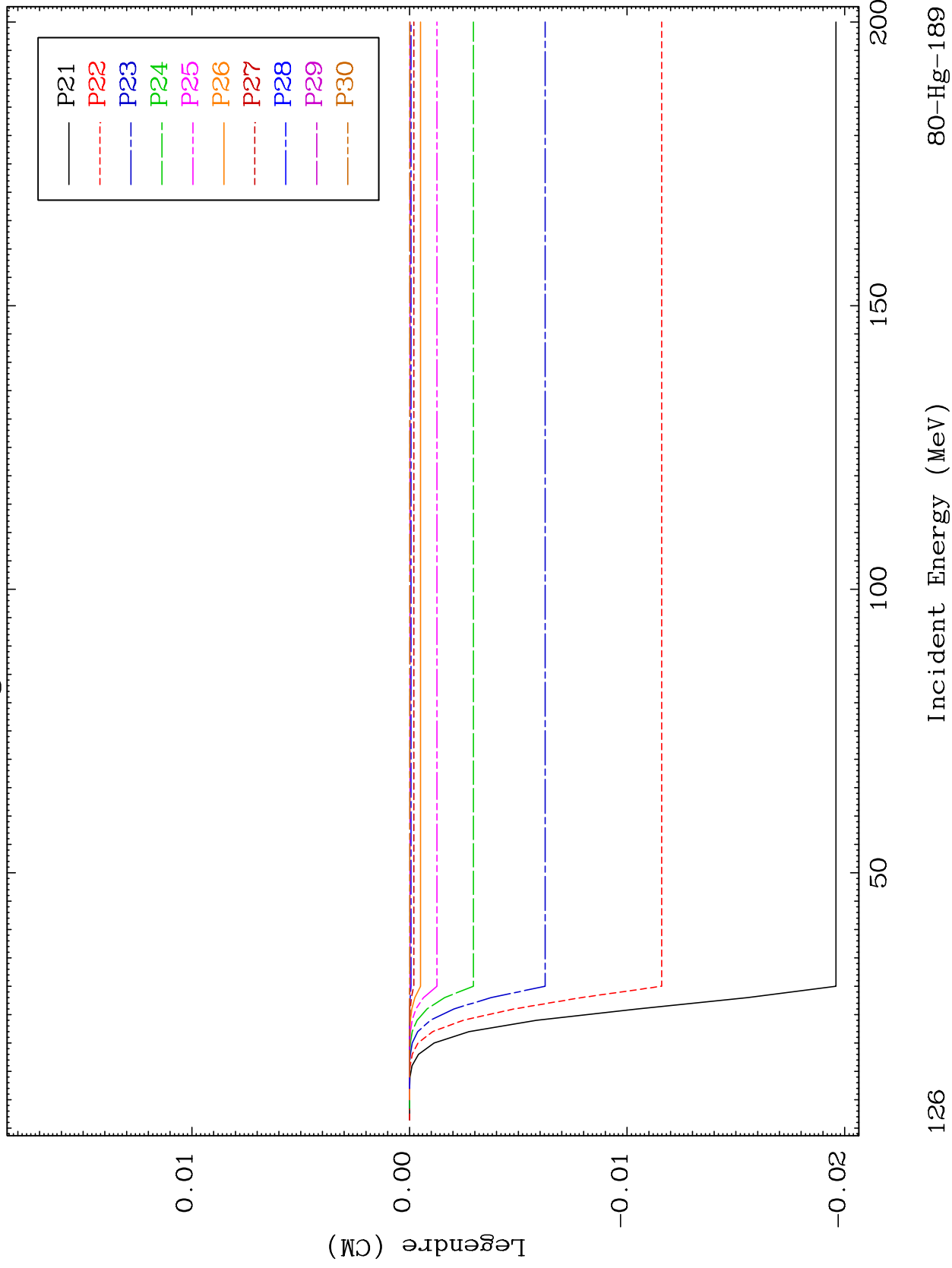




MAT 8004

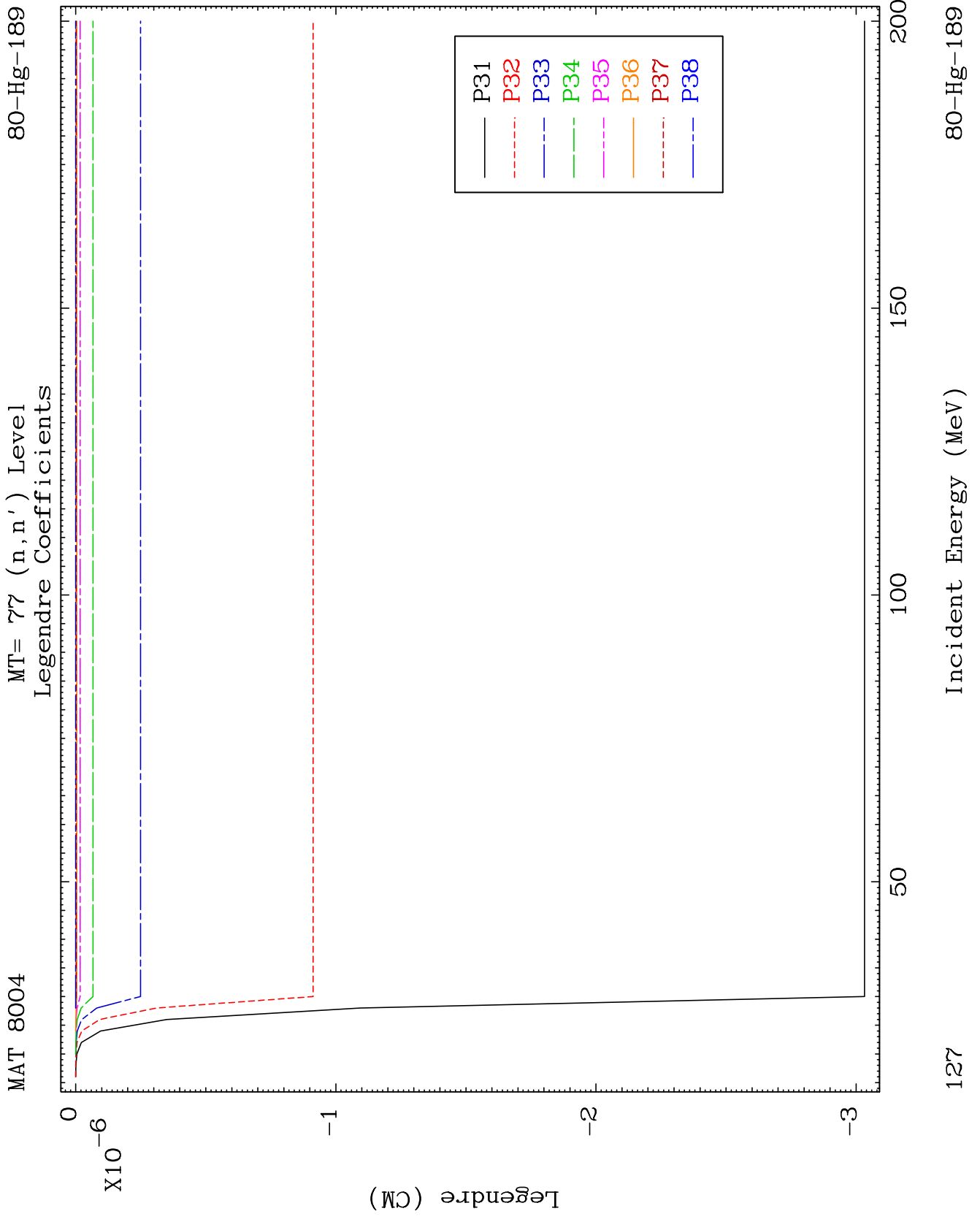
MT= 77 (n,n') Level
Legendre Coefficients

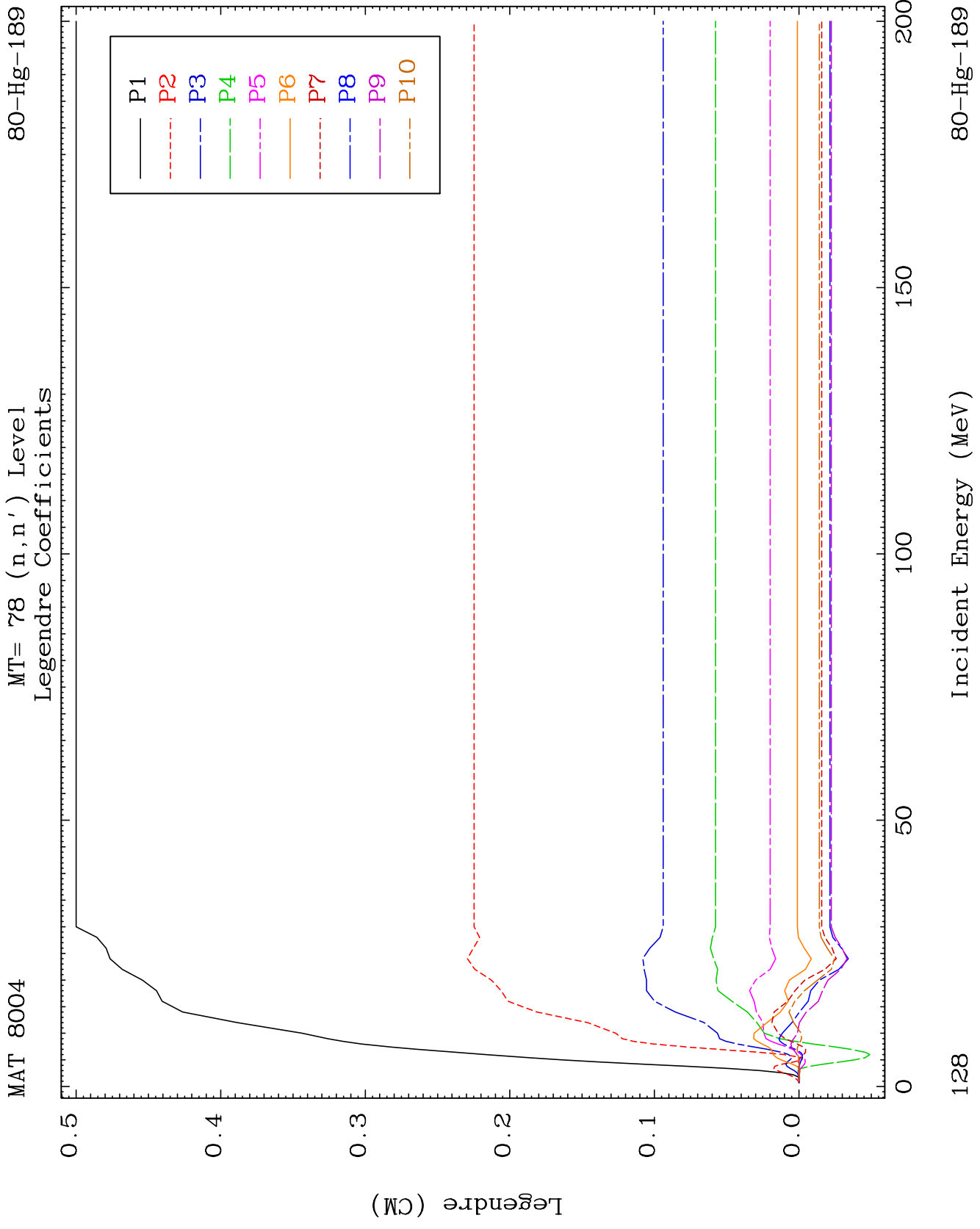
80-Hg-189

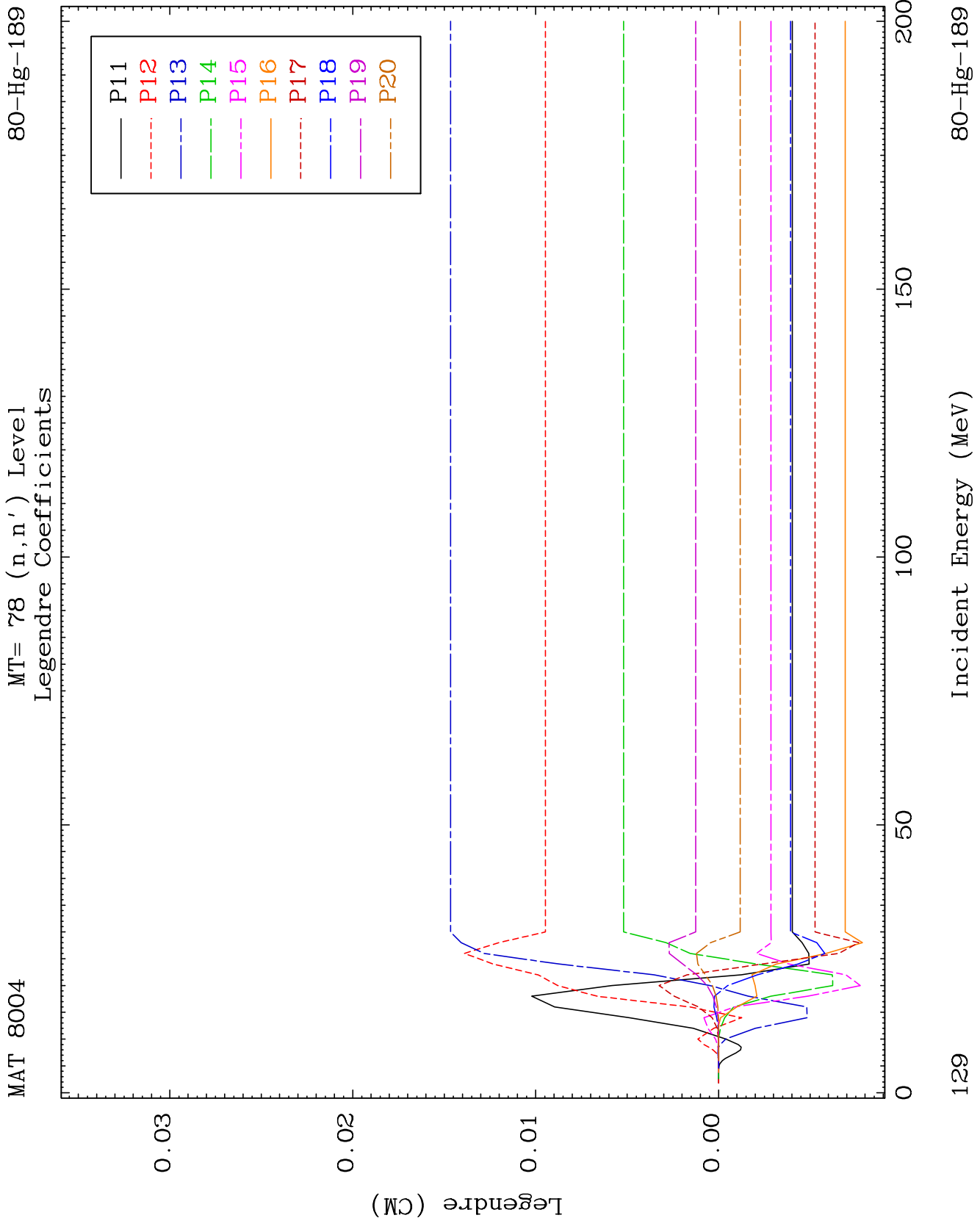


126

80-Hg-189



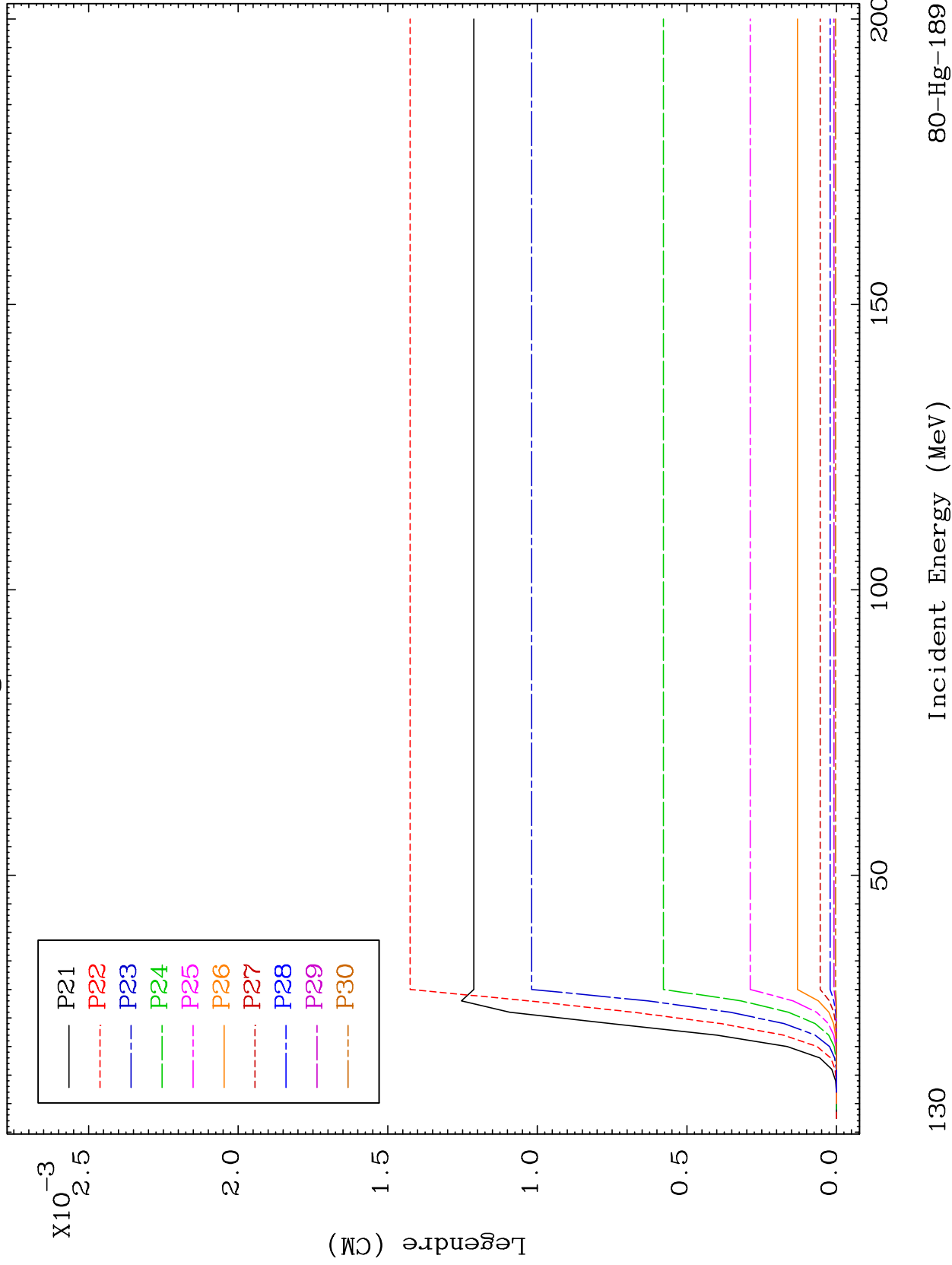


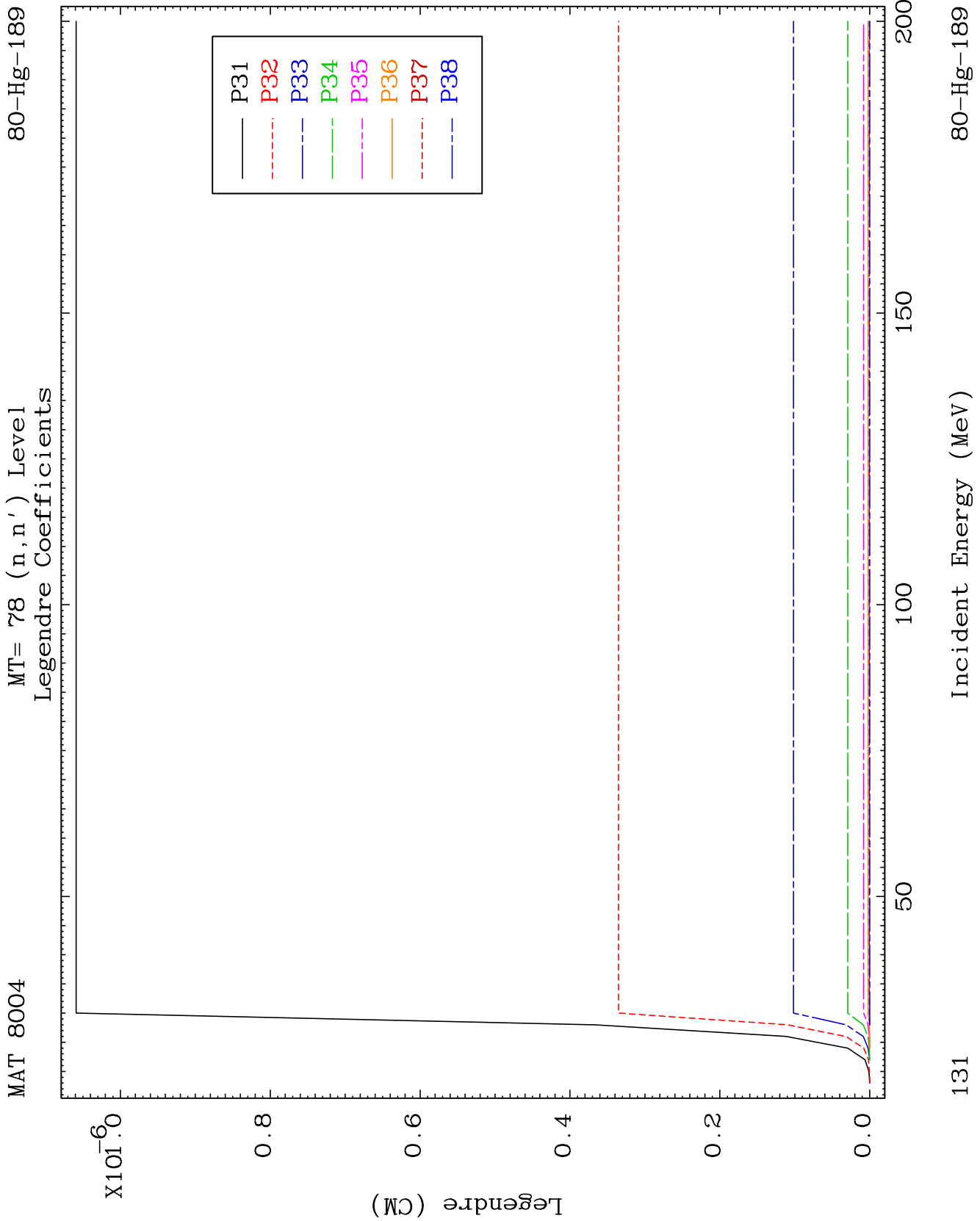


MAT 8004

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

80-Hg-189

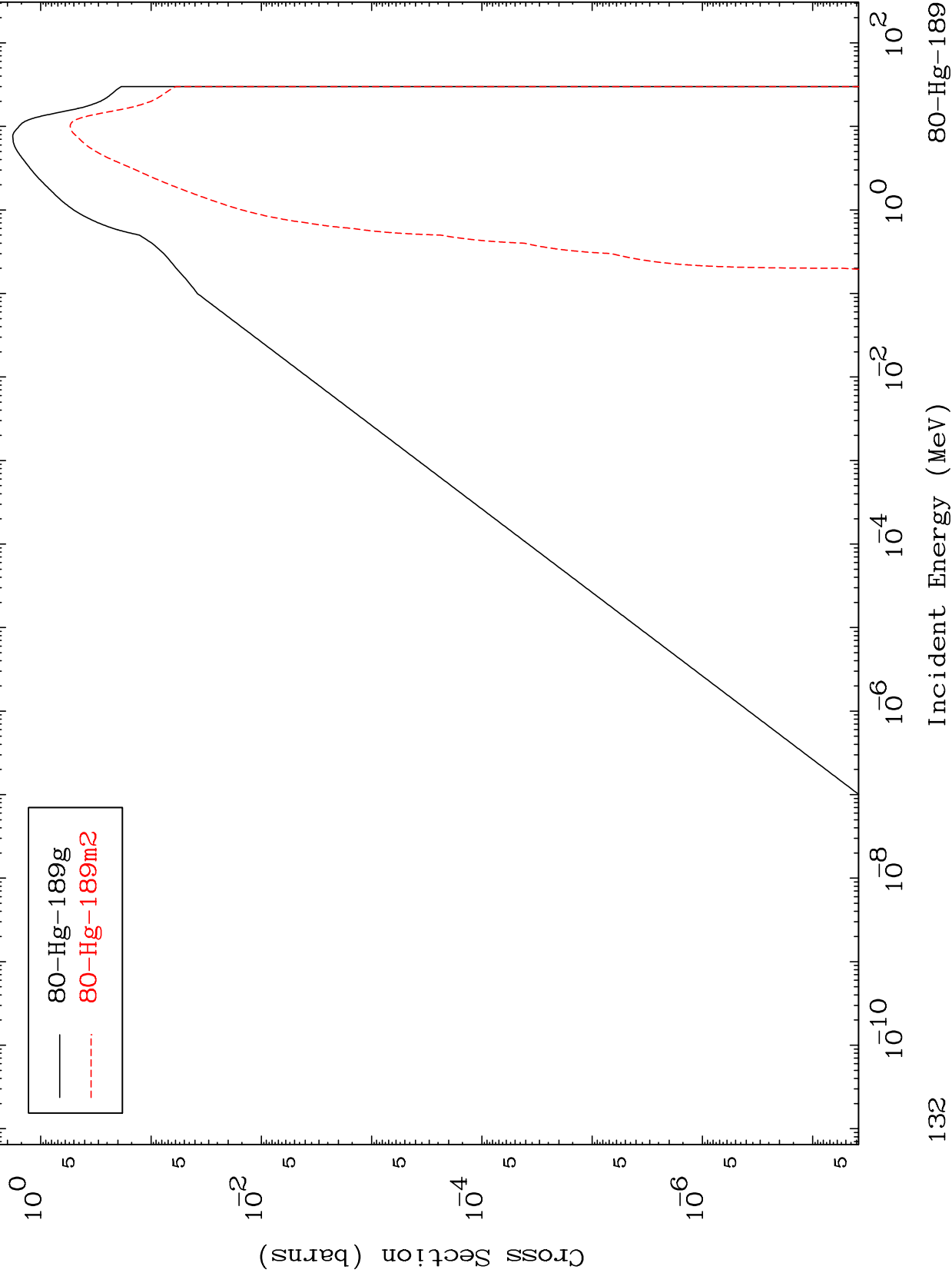


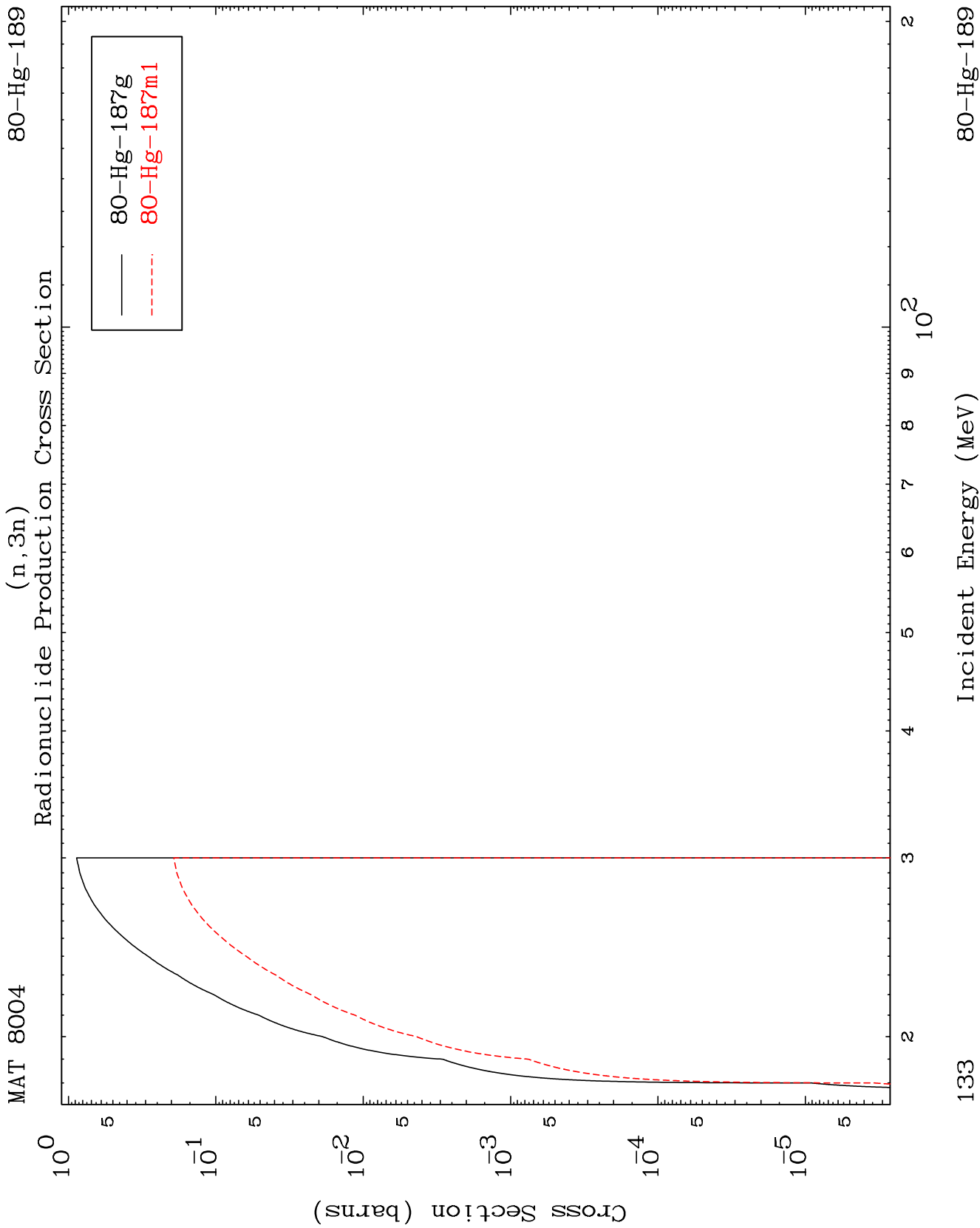


MAT 8004

Inelastic
Radionuclide Production Cross Section

80-Hg-189



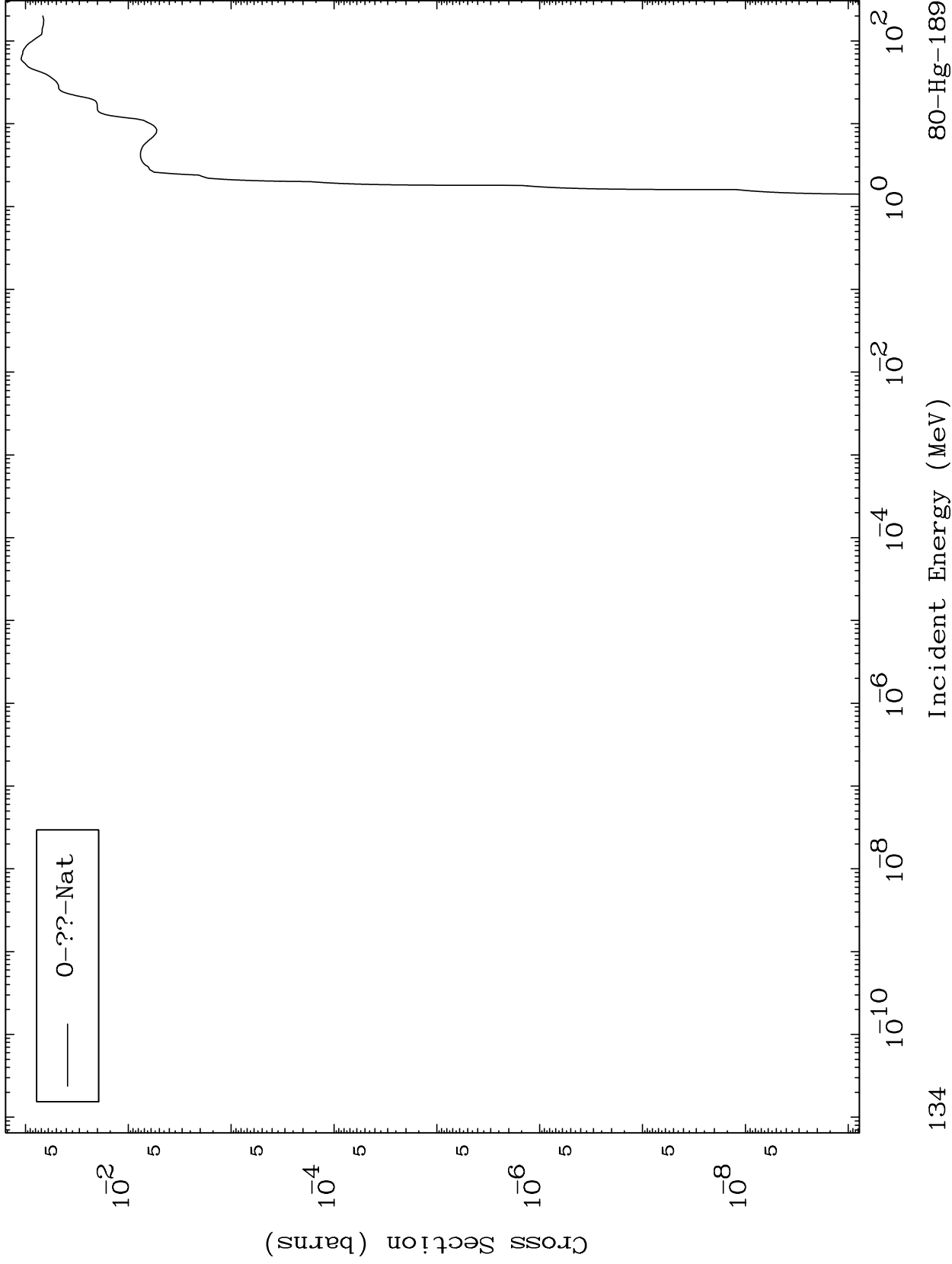


MAT 8004

Fission

80-Hg-189

Radionuclide Production Cross Section



134

Incident Energy (MeV)

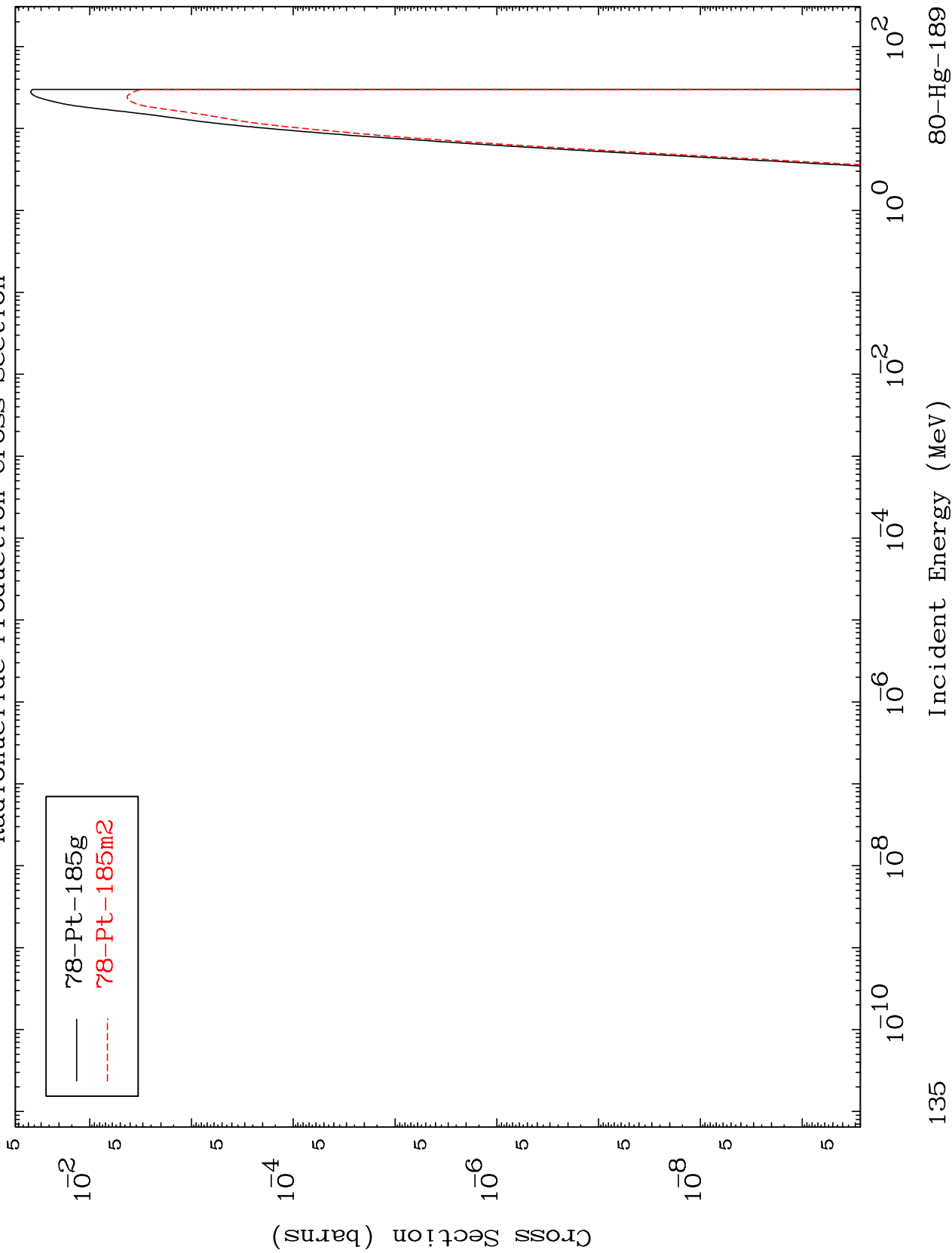
80-Hg-189

MAT 8004

$(n, n') \alpha$

80-Hg-189

Radionuclide Production Cross Section



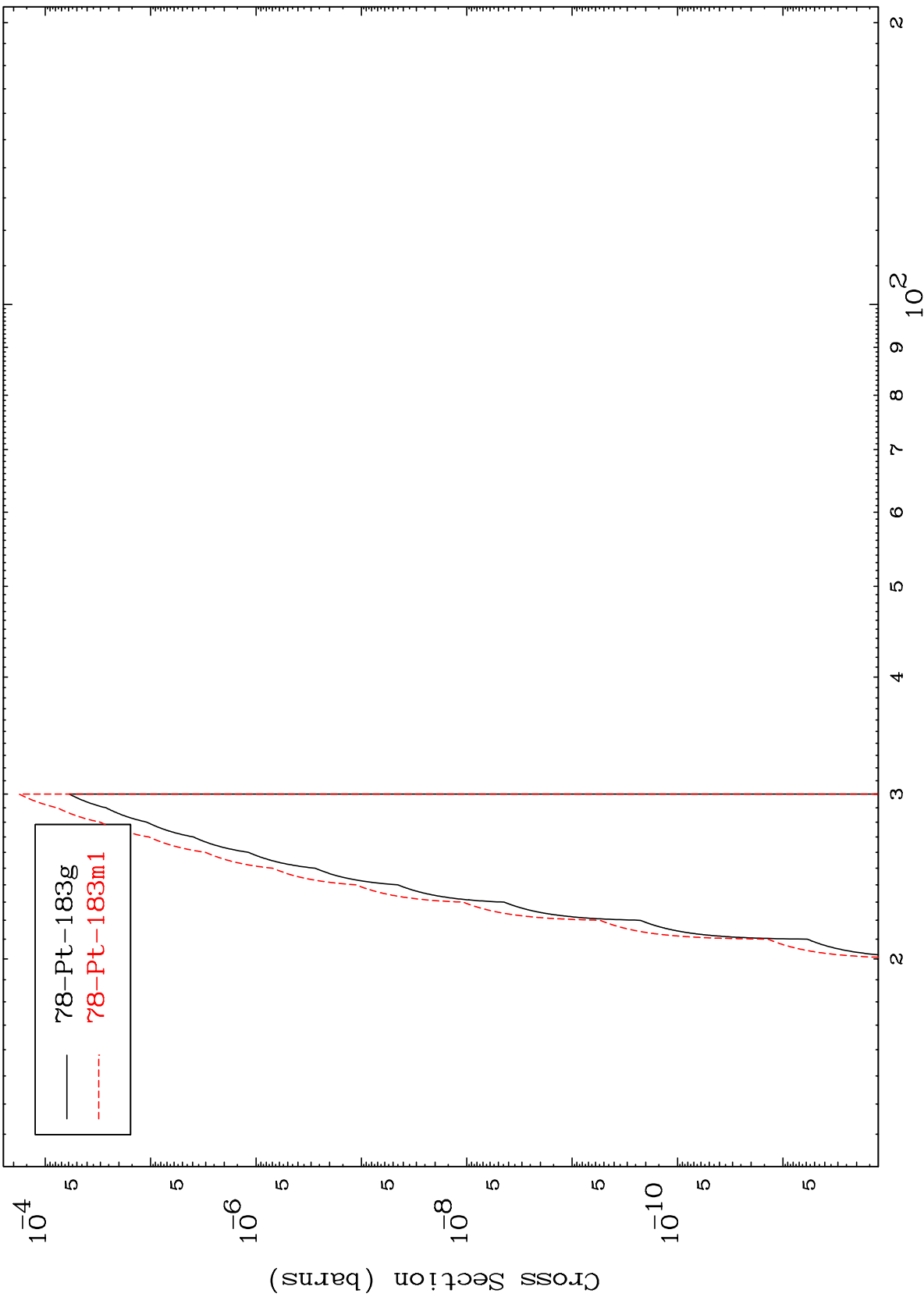
78-Pt-185g
78-Pt-185m2

MAT 8004

(n,3n) α

80-Hg-189

Radionuclide Production Cross Section



136

Incident Energy (MeV)

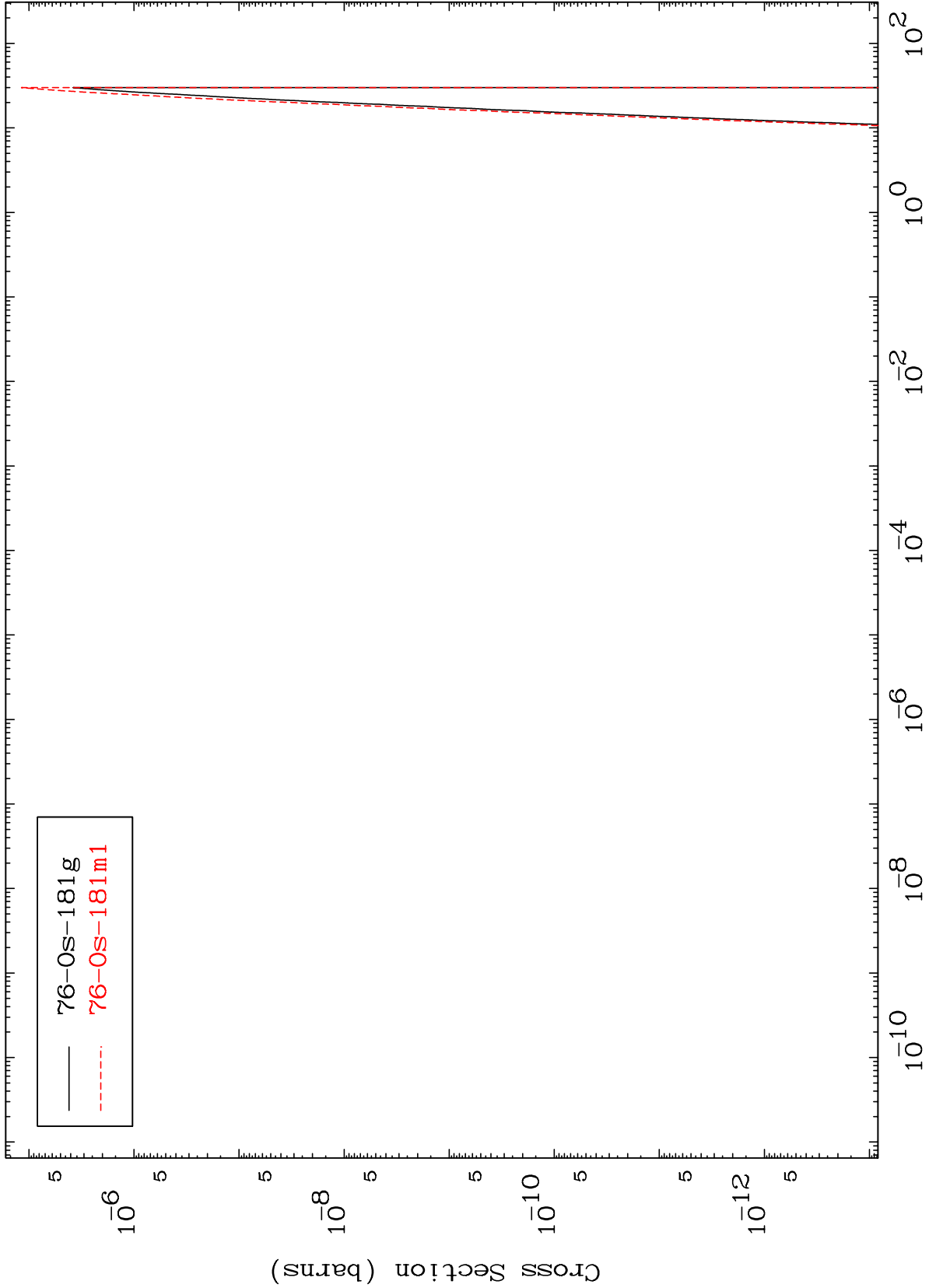
80-Hg-189

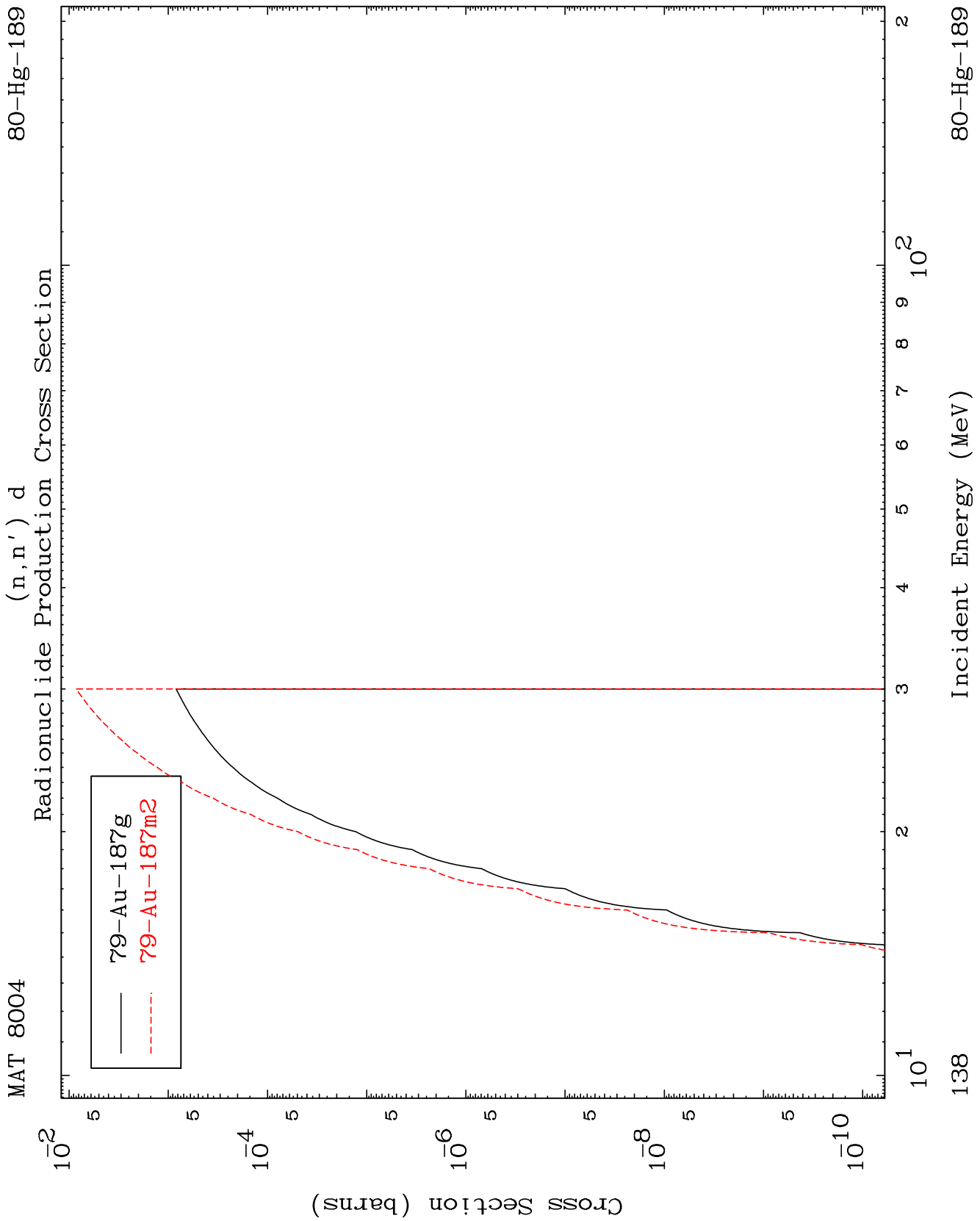
MAT 8004

(n,n') 2α

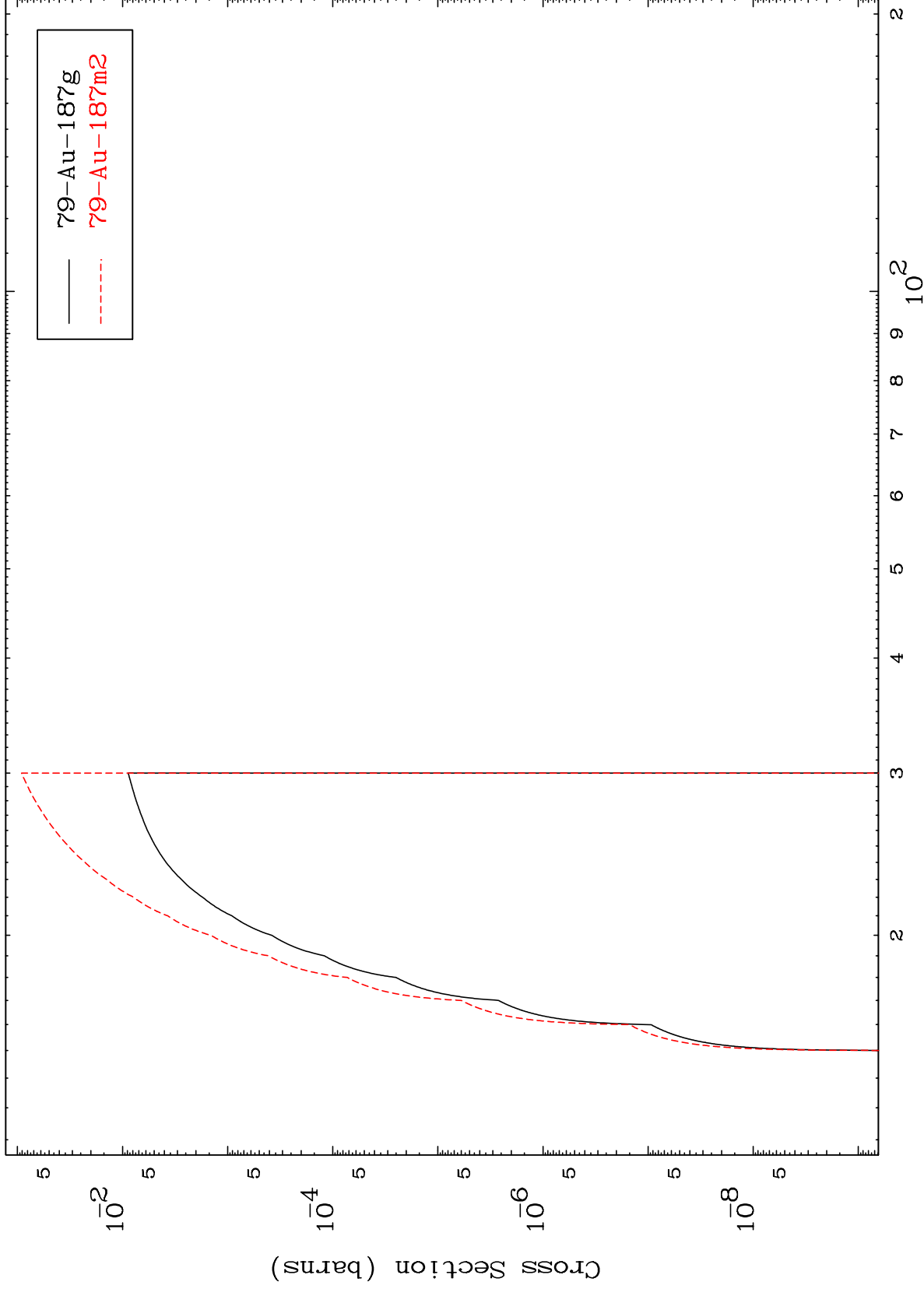
80-Hg-189

Radionuclide Production Cross Section





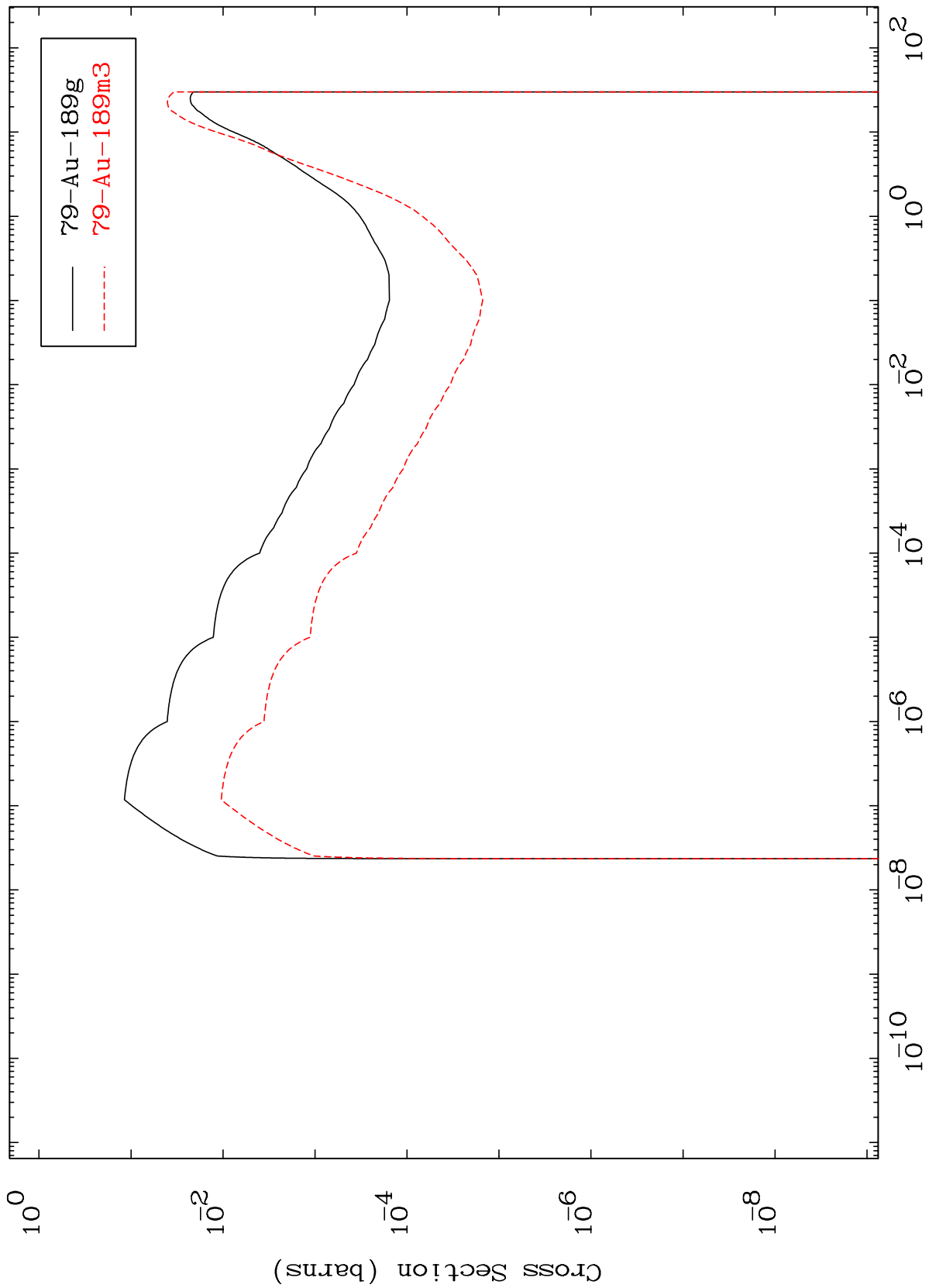
Radionuclide Production Cross Section



MAT 8004

80-Hg-189

(n,p)
Radionuclide Production Cross Section



— 79-Au-189g
- - - 79-Au-189m3

80-Hg-189

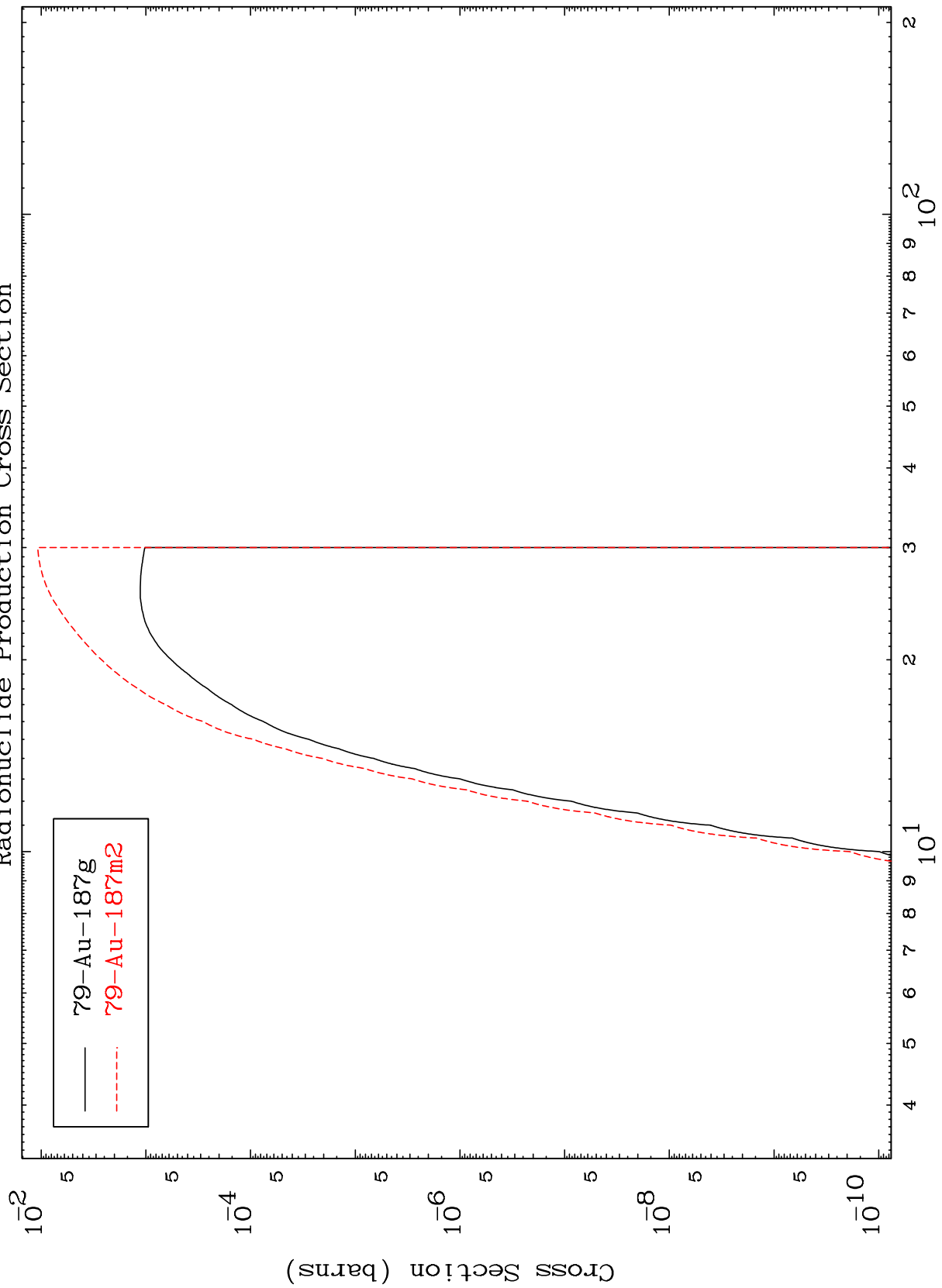
Incident Energy (MeV)

140

MAT 8004

80-Hg-189

Radionuclide Production Cross Section (n, t)



Incident Energy (MeV)

80-Hg-189

141