

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

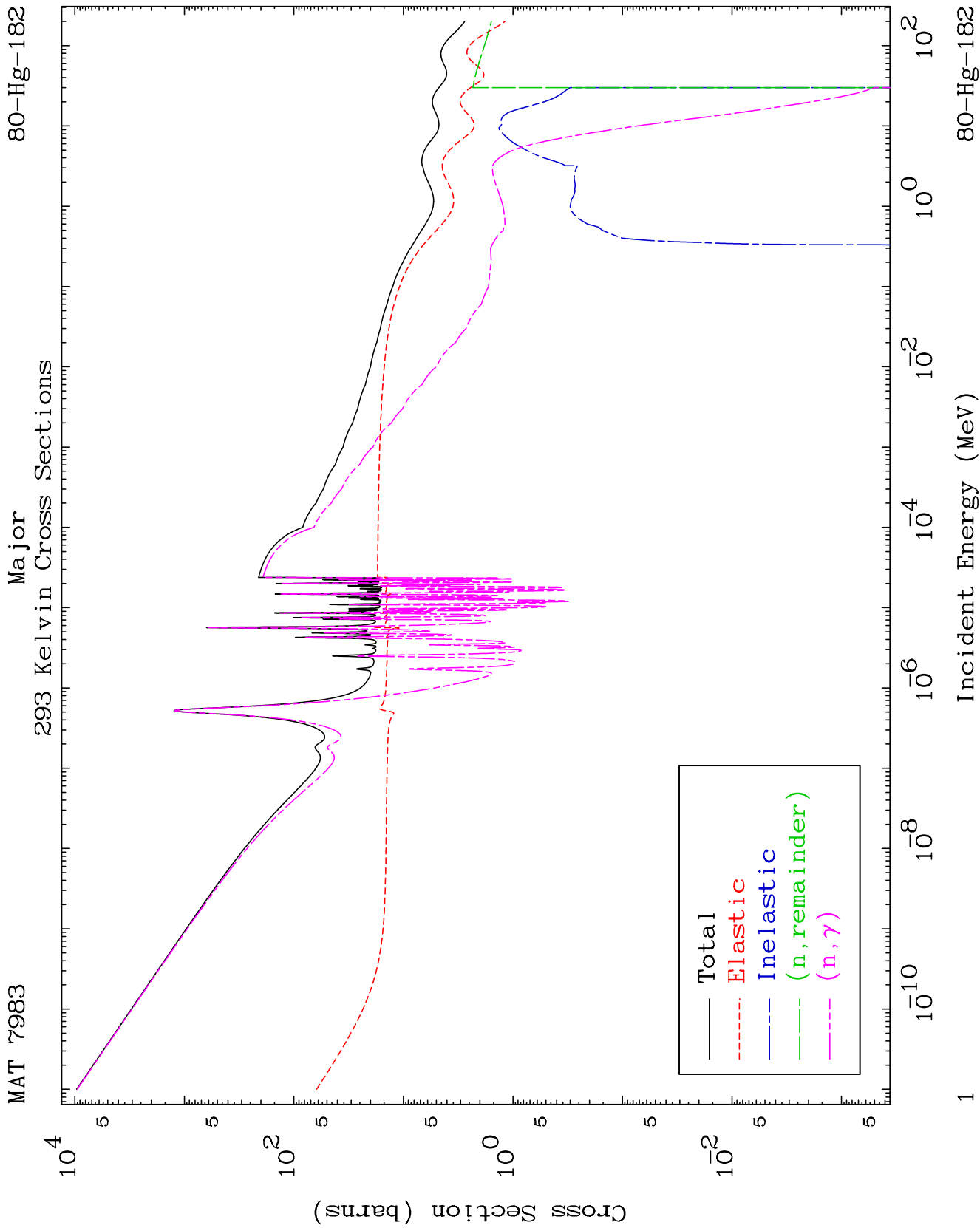
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

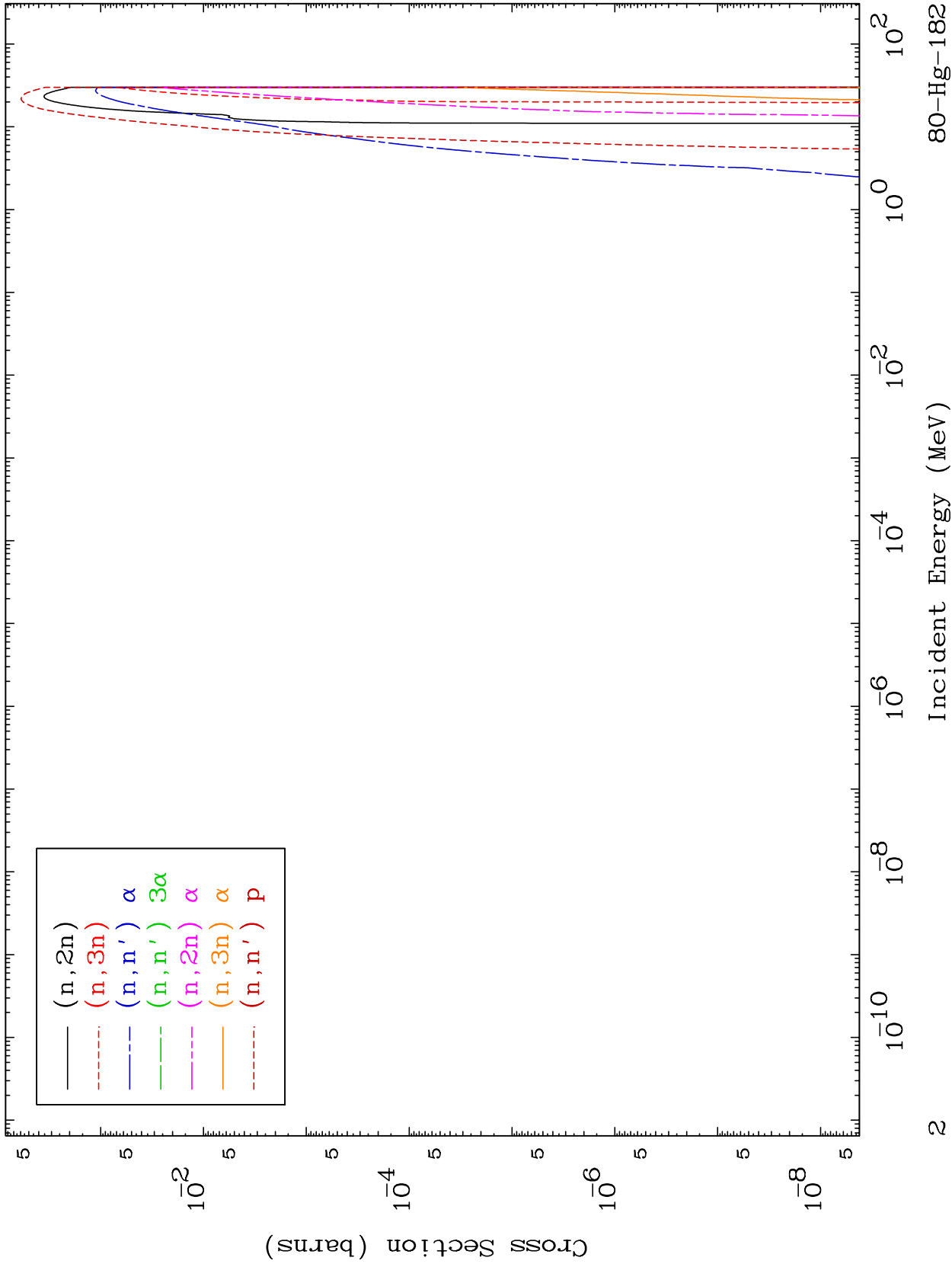
Press Mouse Button to Start



MAT 7983

Neutron Production
293 Kelvin Cross Sections

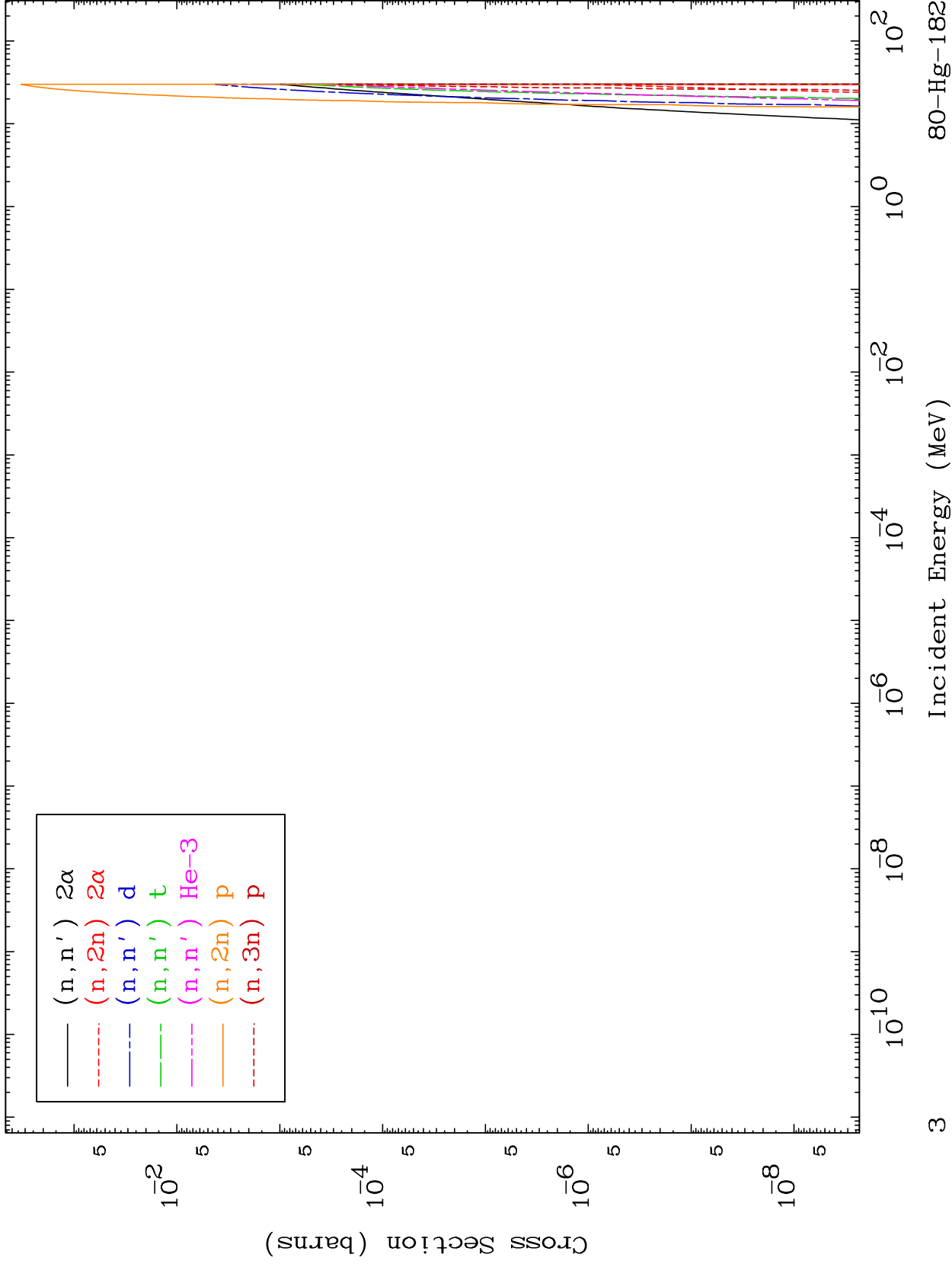
80-Hg-182



MAT 7983

Neutron Production
293 Kelvin Cross Sections

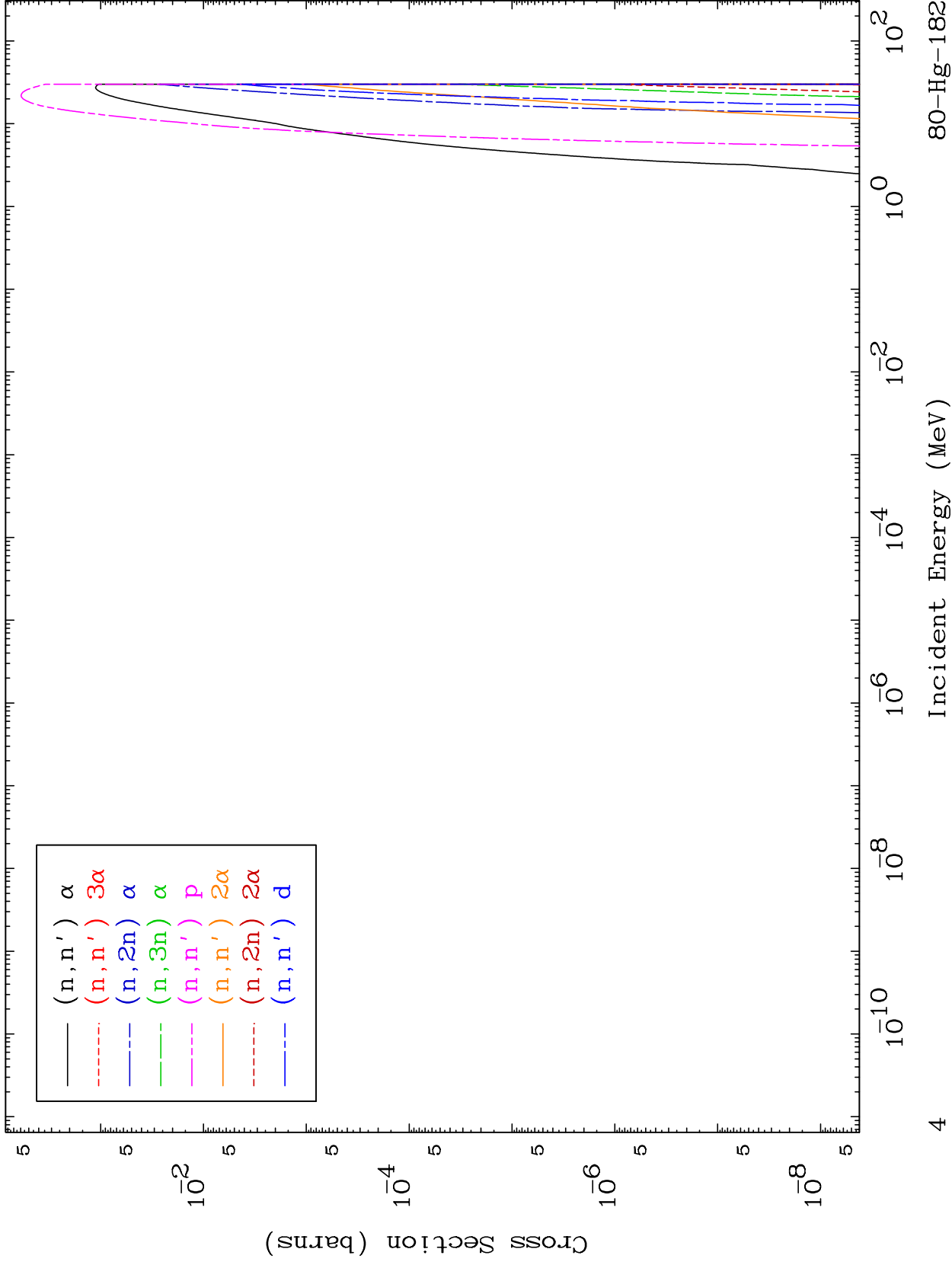
80-Hg-182



MAT 7983

Charged Particle
293 Kelvin Cross Sections

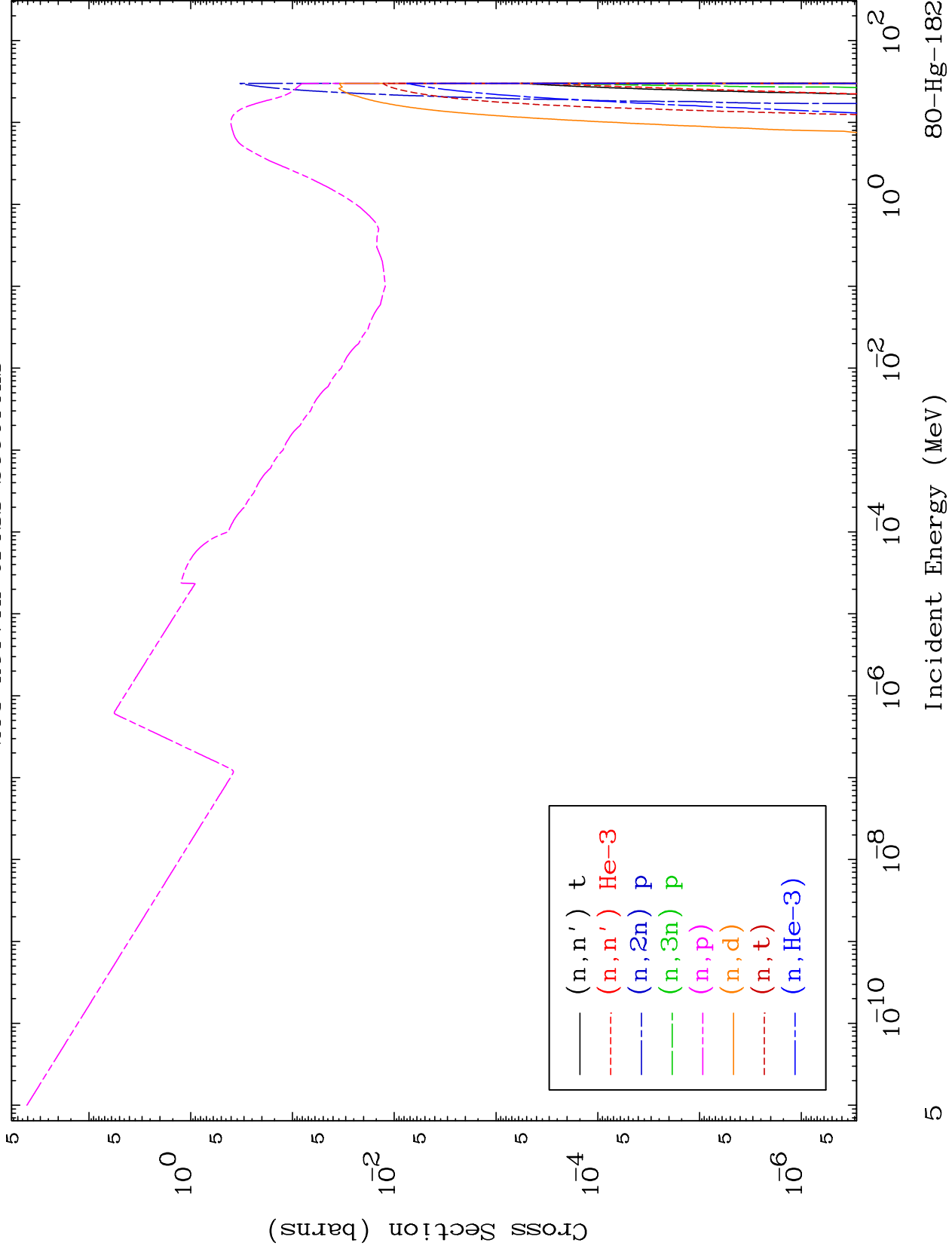
80-Hg-182



MAT 7983

Charged Particle
293 Kelvin Cross Sections

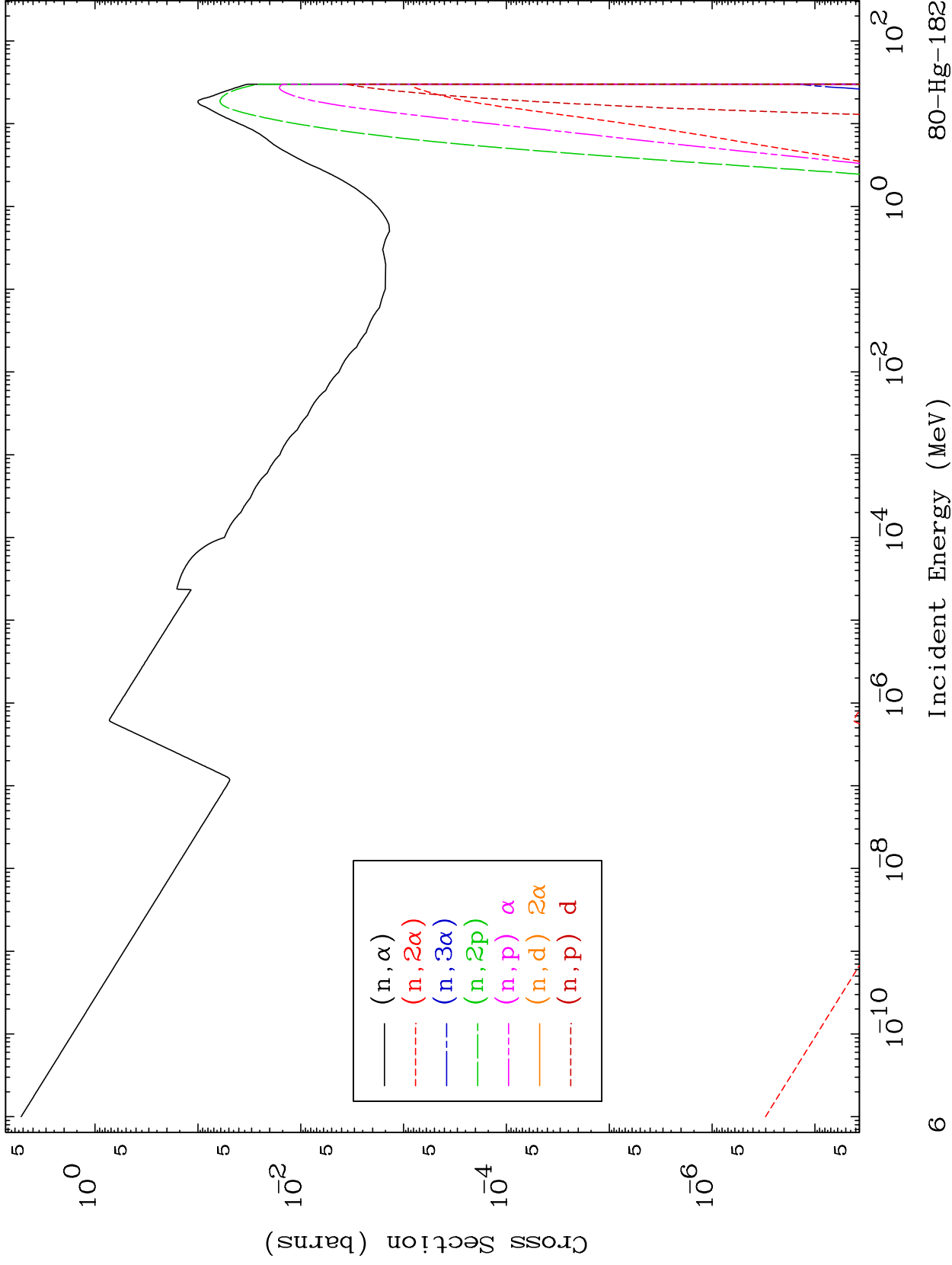
80-Hg-182



MAT 7983

Charged Particle
293 Kelvin Cross Sections

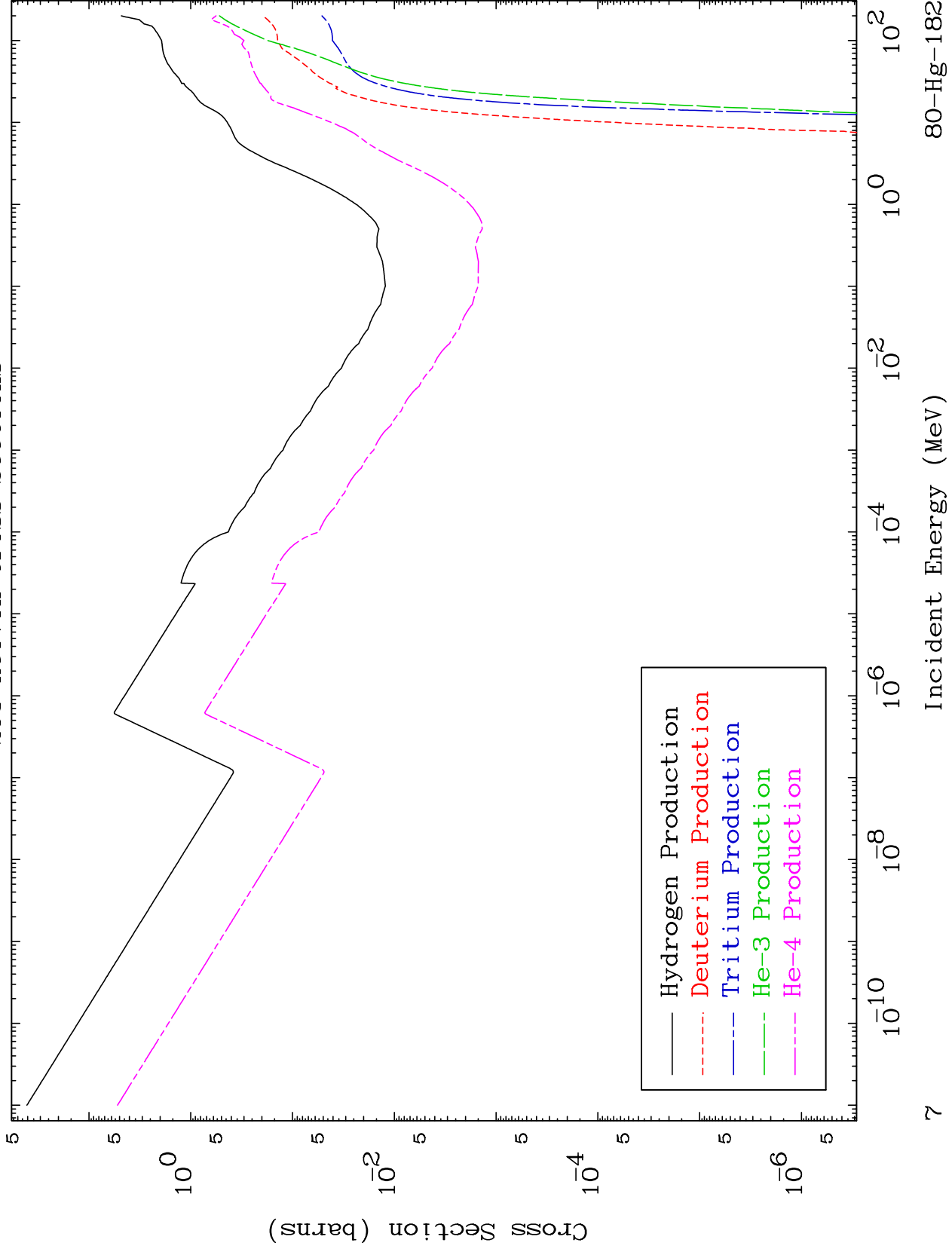
80-Hg-182



MAT 7983

Particle Production
293 Kelvin Cross Sections

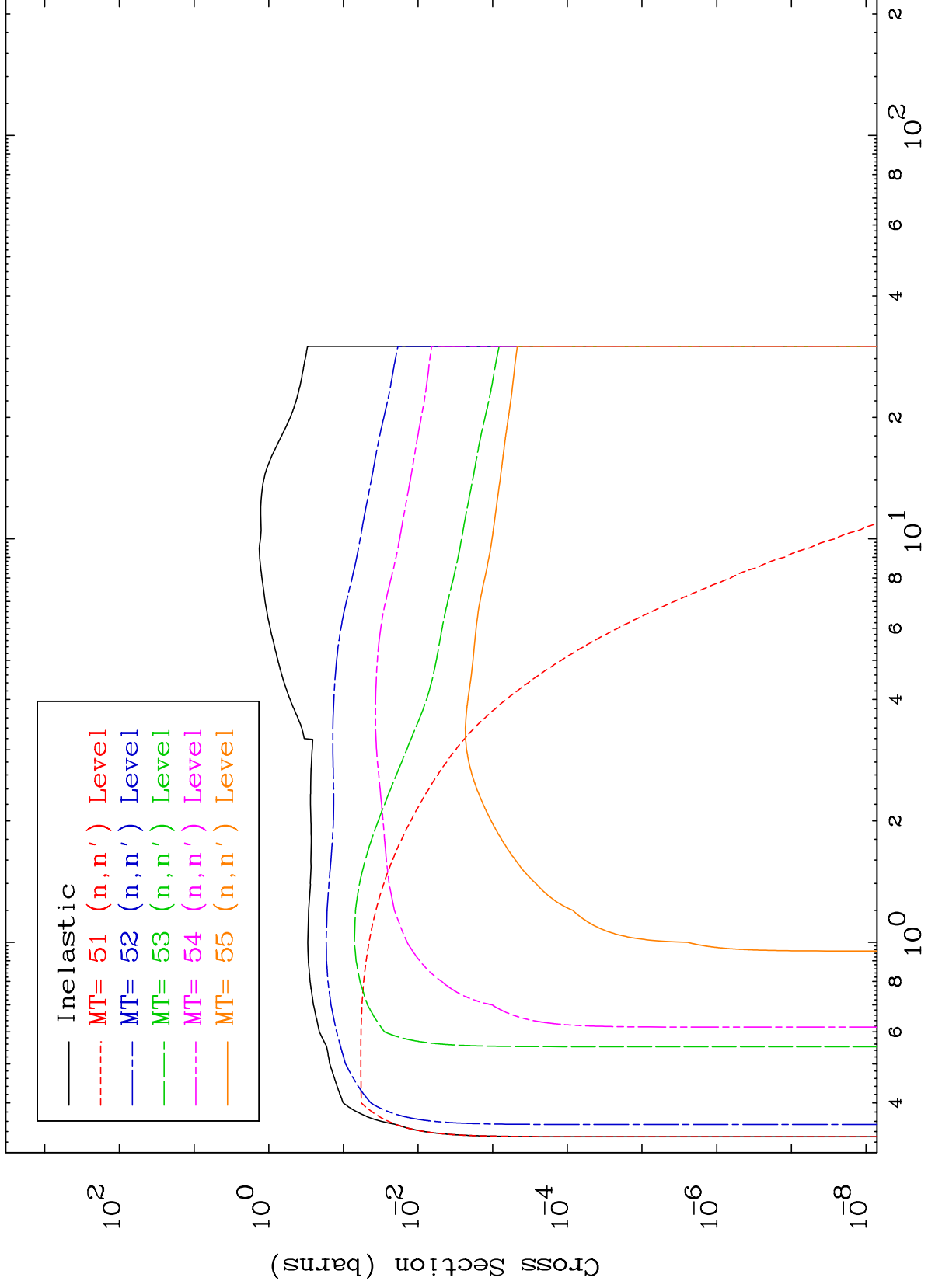
80-Hg-182



MAT 7983

293 Kelvin Cross Sections

80-Hg-182

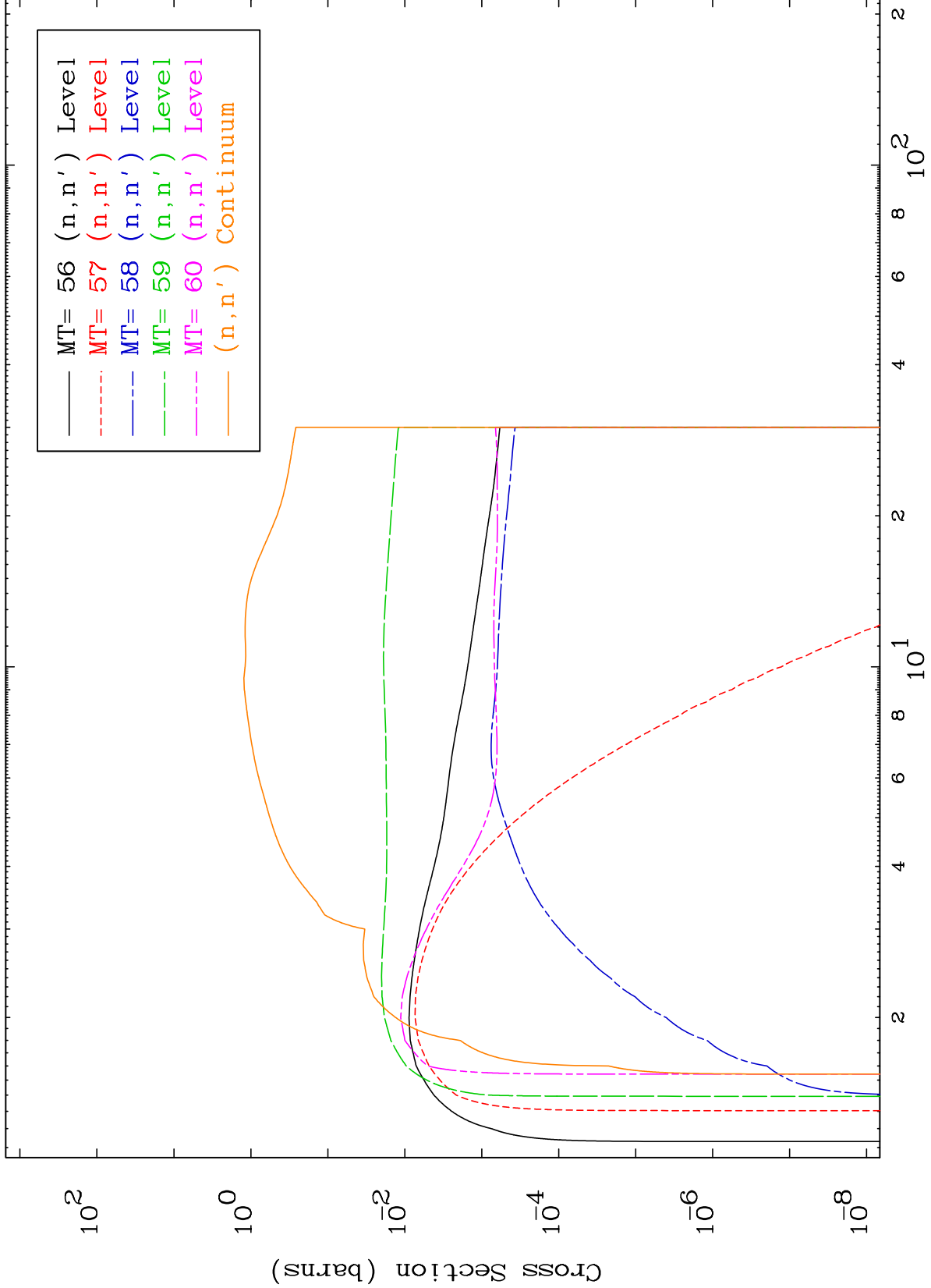


8

Incident Energy (MeV)

80-Hg-182

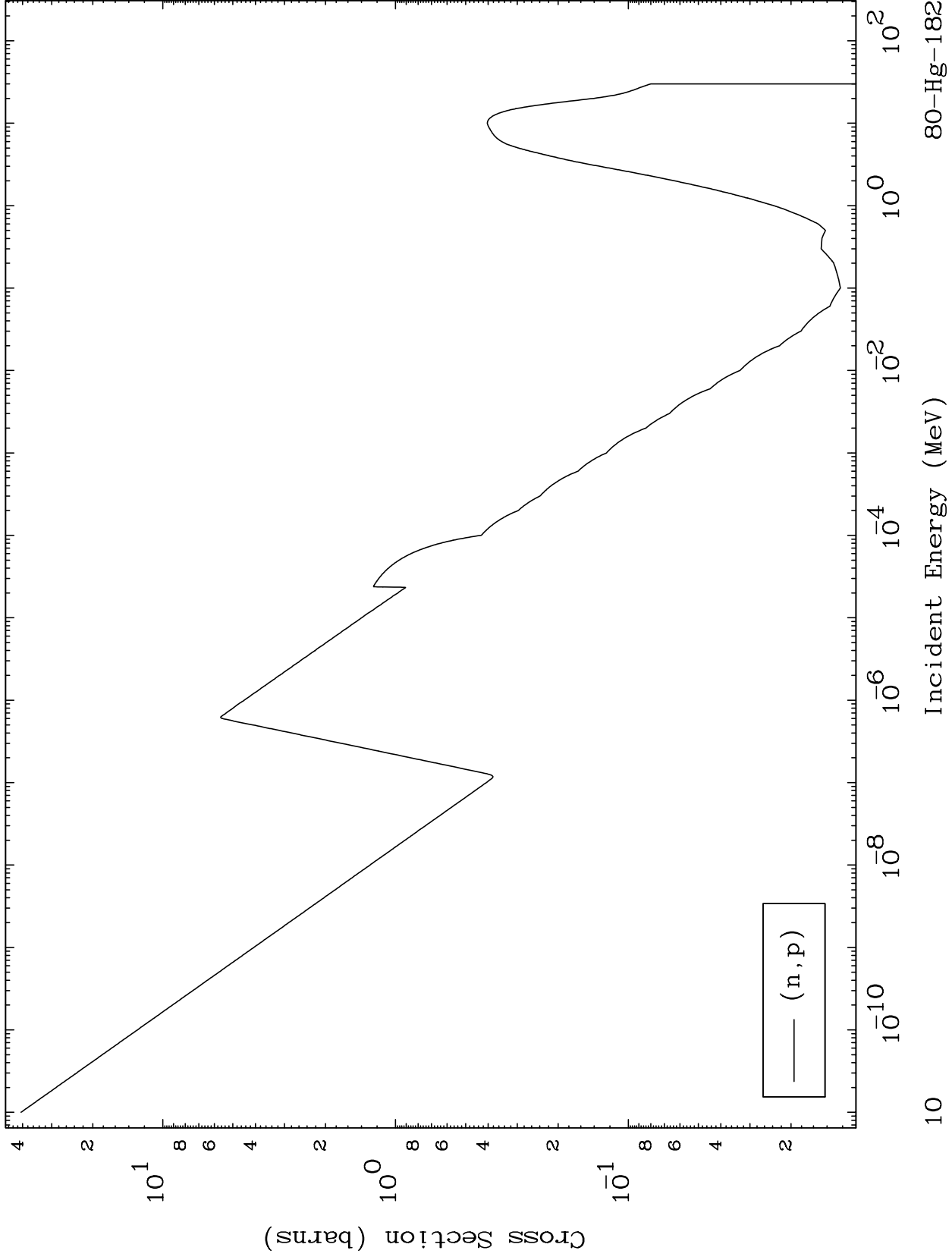
293 Kelvin Cross Sections



MAT 7983

(n,p) Levels
293 Kelvin Cross Sections

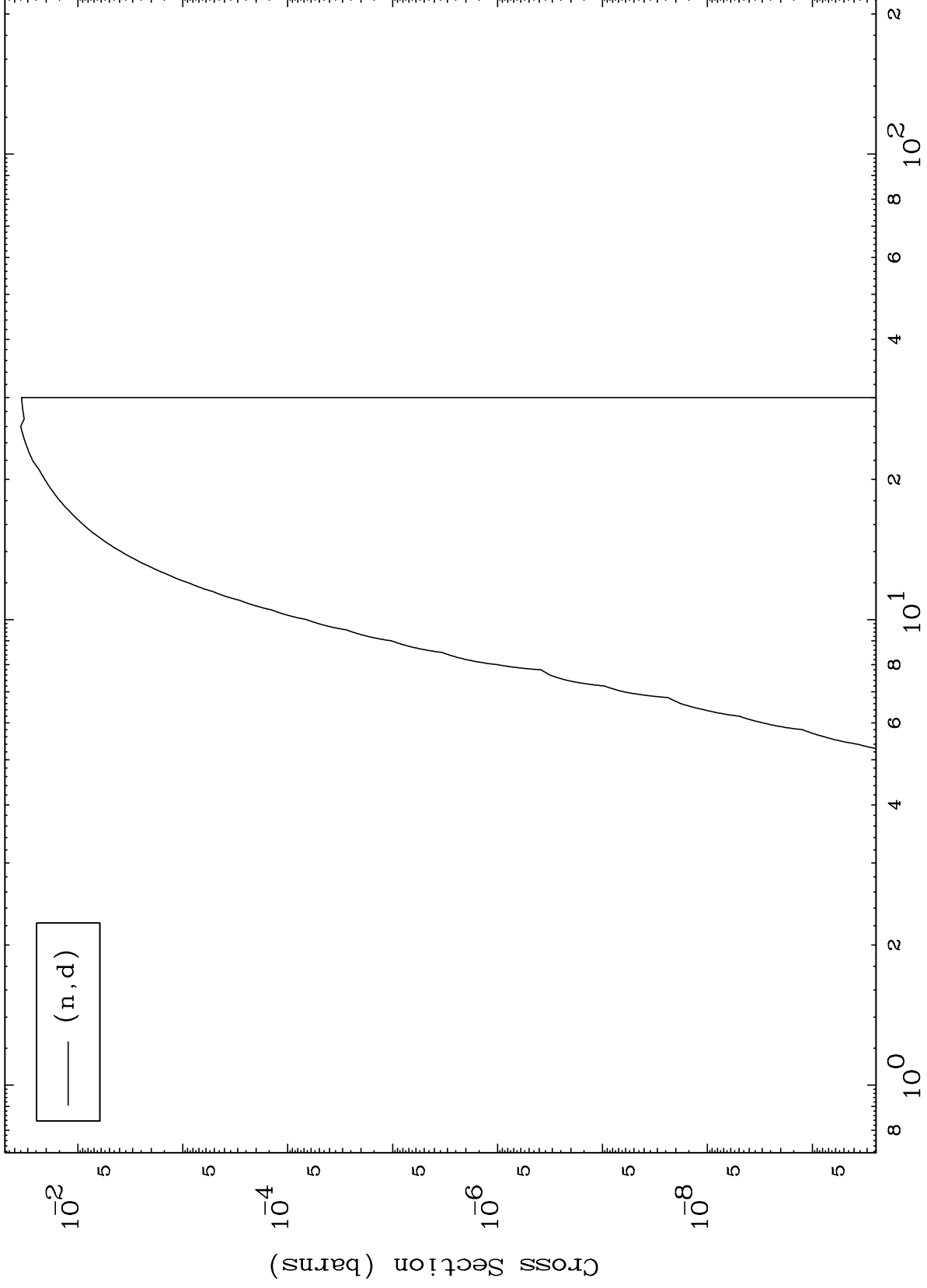
80-Hg-182



MAT 7983

(n,d) Levels
293 Kelvin Cross Sections

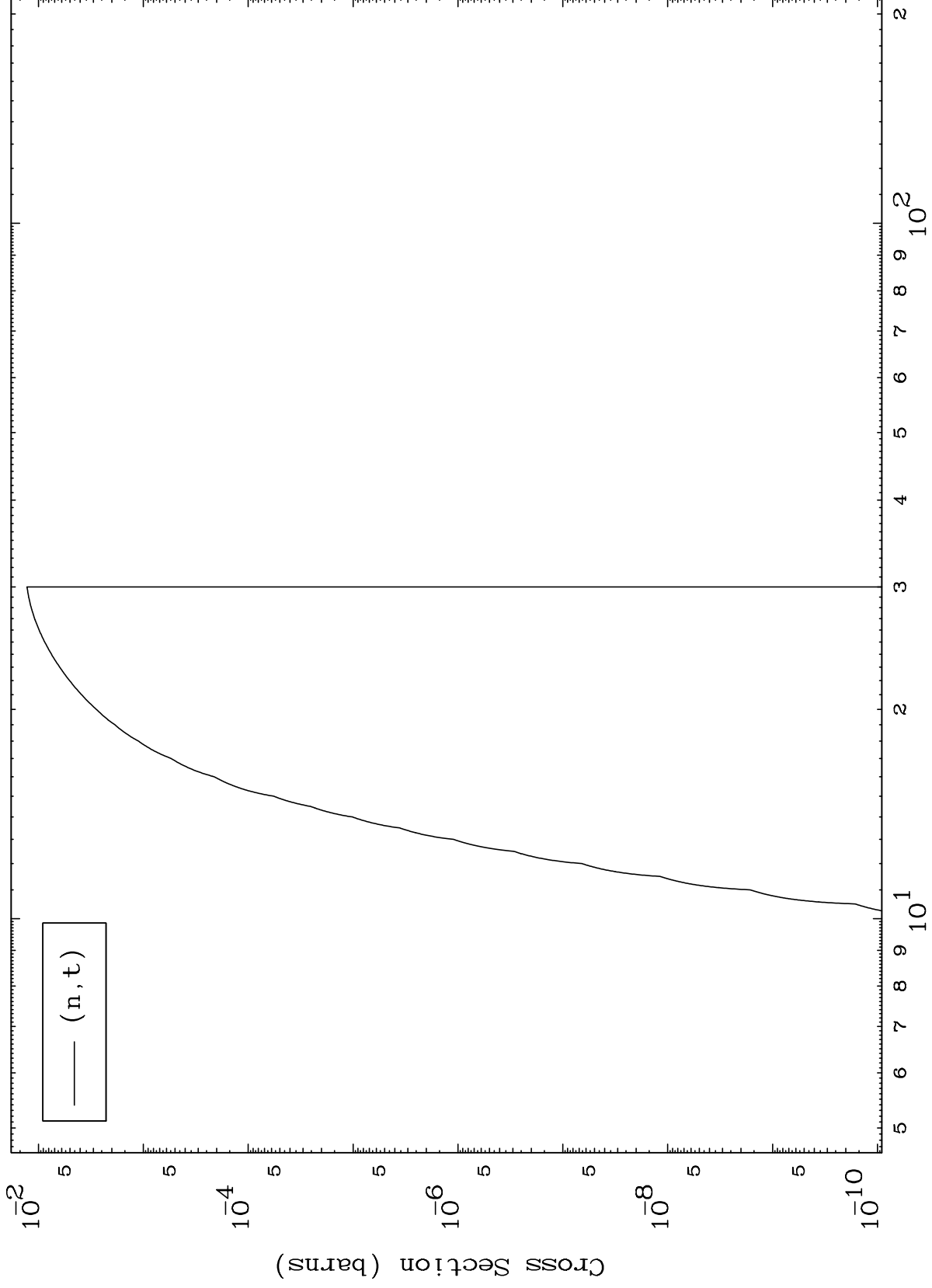
80-Hg-182



MAT 7983

(n,t) Levels
293 Kelvin Cross Sections

80-Hg-182



12

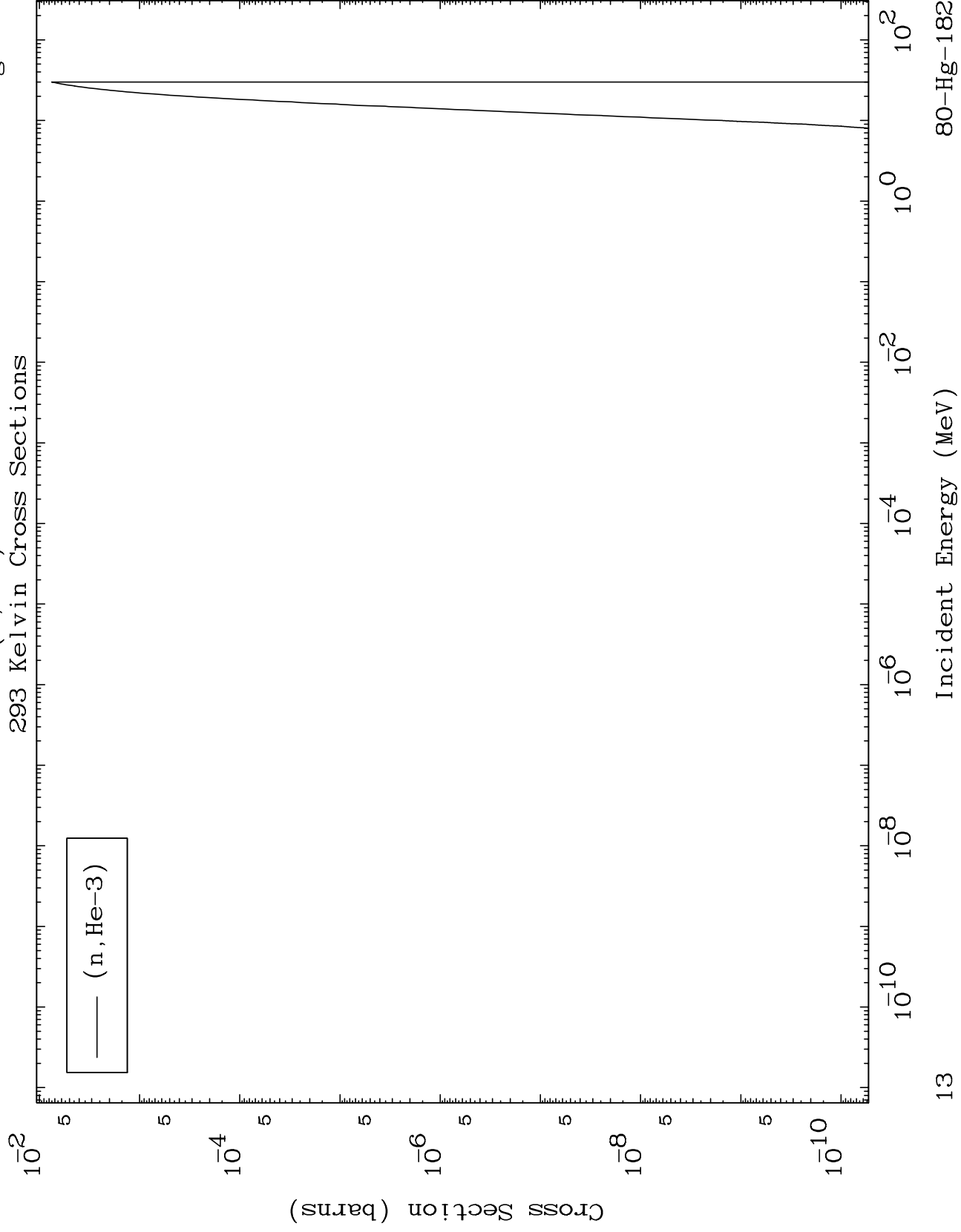
Incident Energy (MeV)

80-Hg-182

MAT 7983

(n,He3) Levels
293 Kelvin Cross Sections

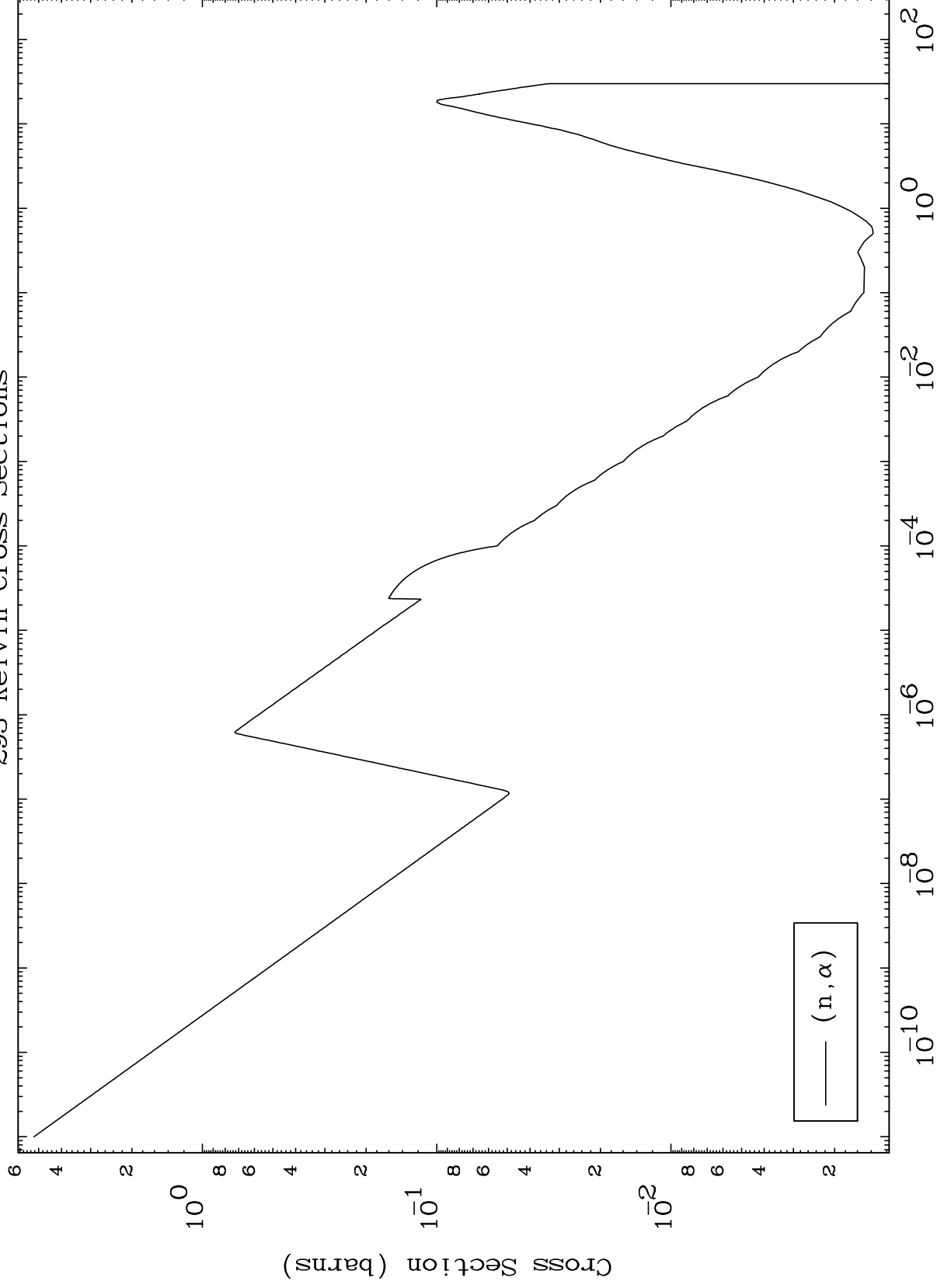
80-Hg-182

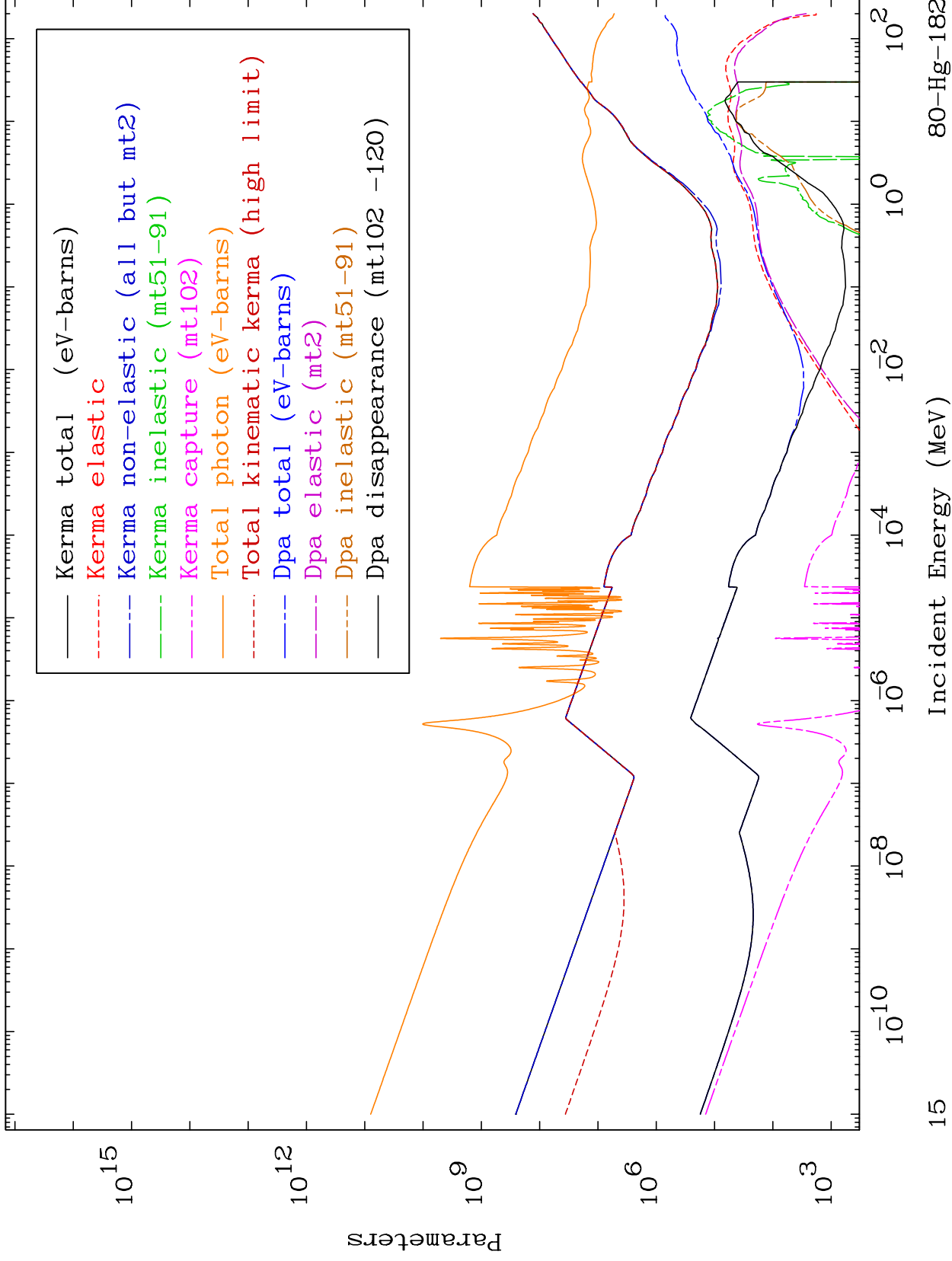


MAT 7983

(n,α) Levels
293 Kelvin Cross Sections

80-Hg-182

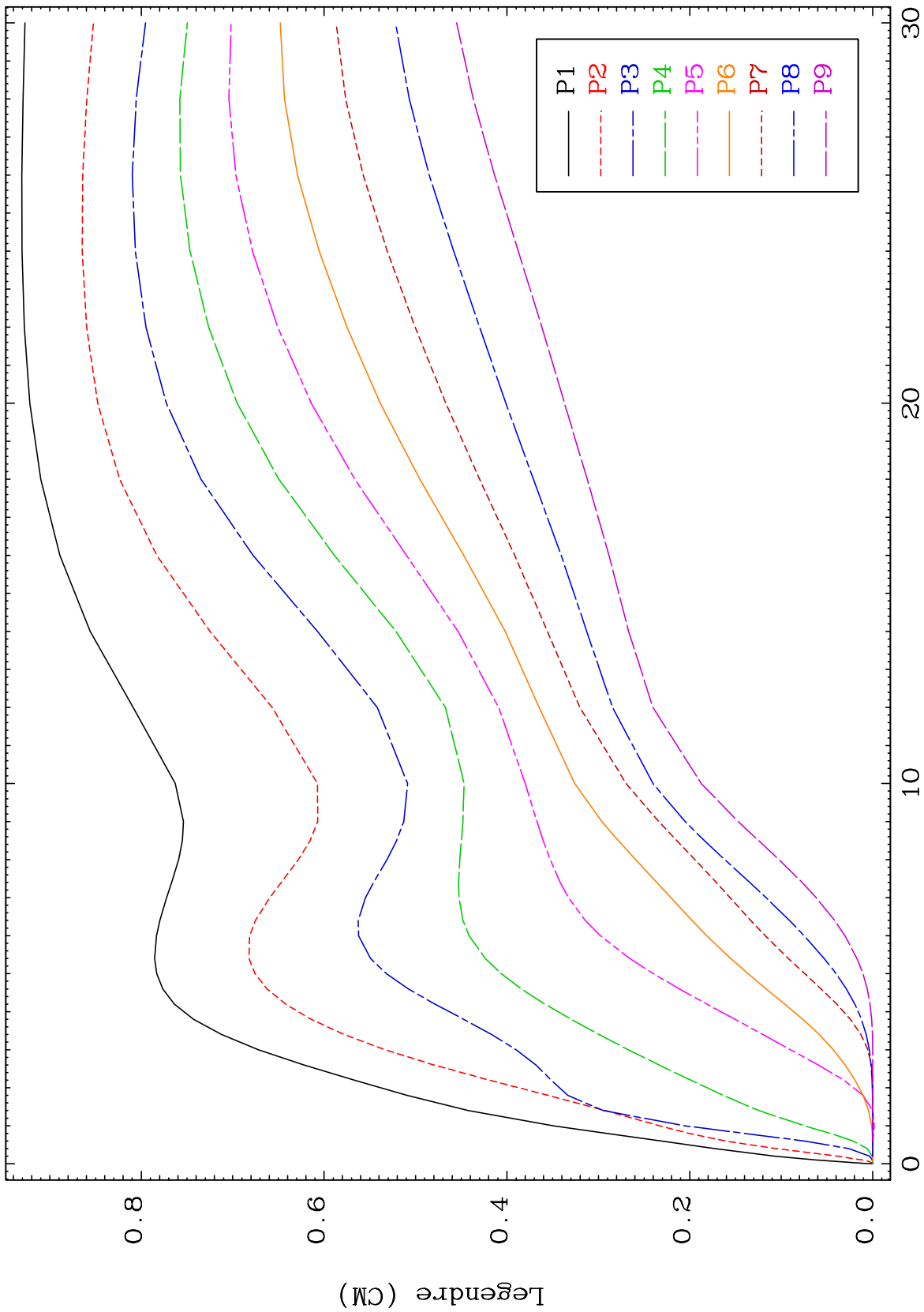




MAT 7983

80-Hg-182

Elastic Legendre Coefficients



16

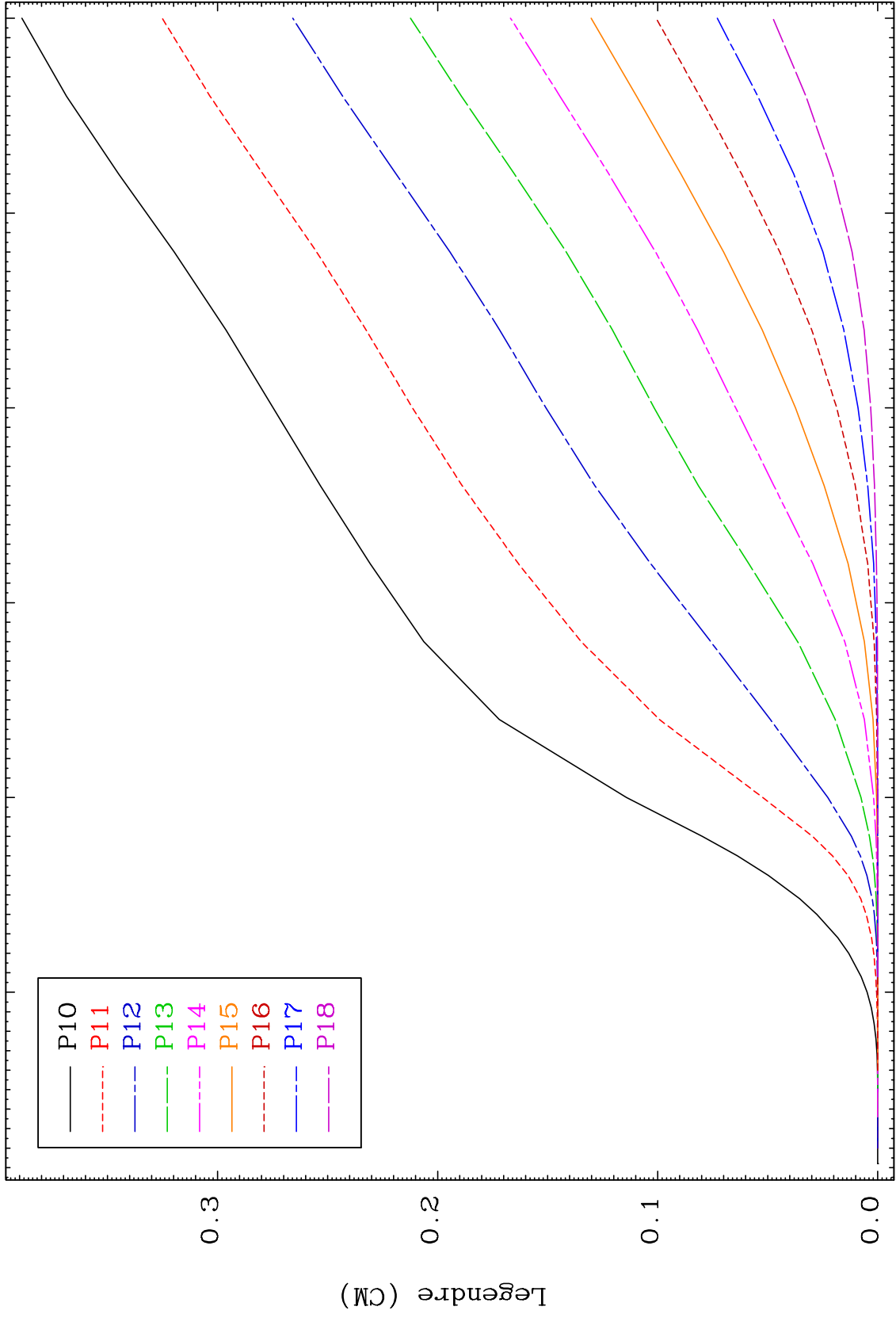
Incident Energy (MeV)

80-Hg-182

MAT 7983

Elastic Legendre Coefficients

80-Hg-182



17

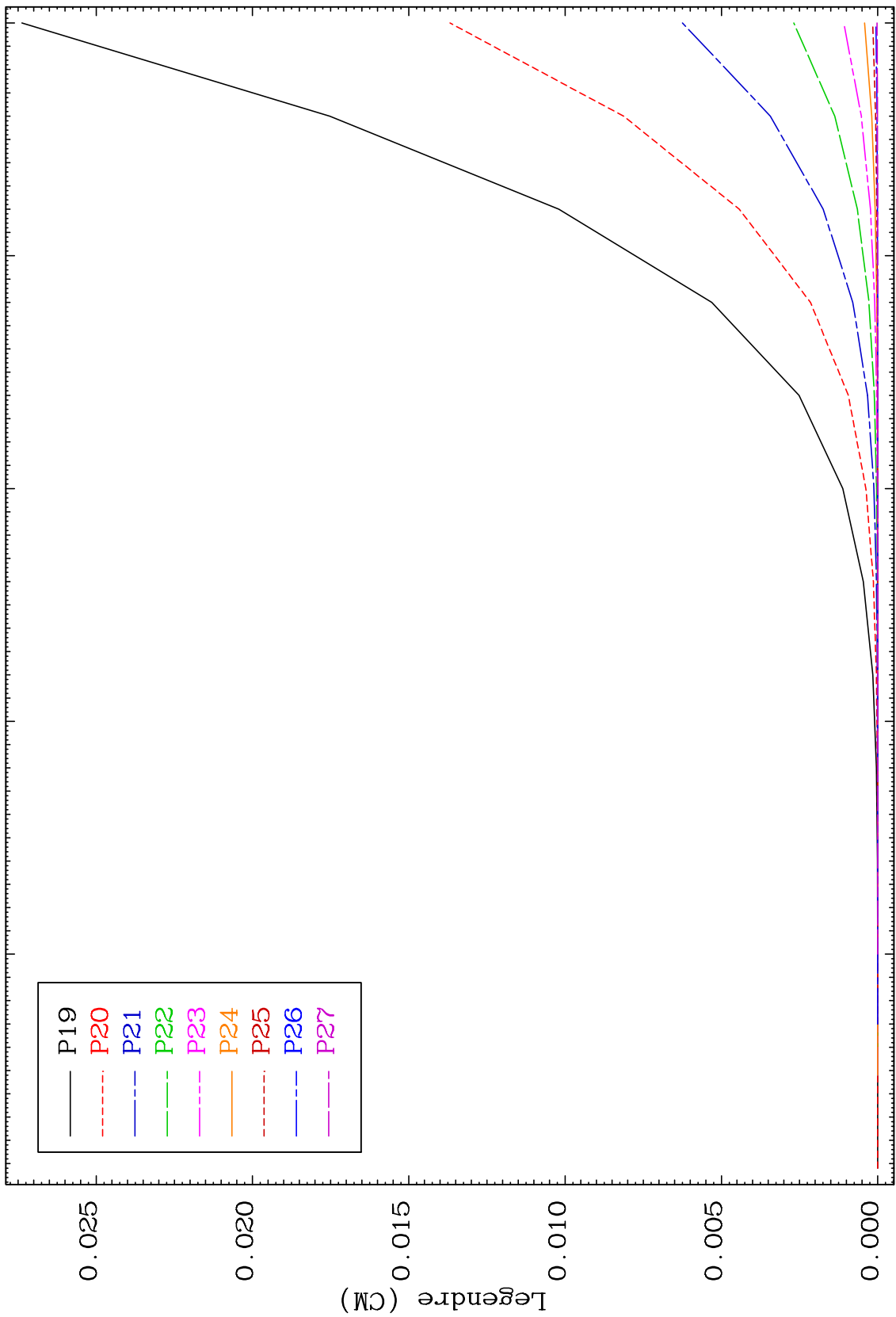
Incident Energy (MeV)

80-Hg-182

MAT 7983

Elastic Legendre Coefficients

80-Hg-182



18

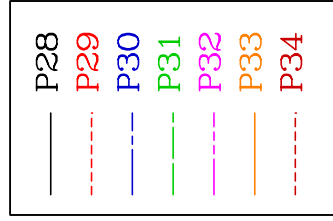
Incident Energy (MeV)

80-Hg-182

MAT 7983

Elastic
Legendre Coefficients

80-Hg-182



$\times 10^{-6}$

6

4

2

0

Legendre (CM)

15

20

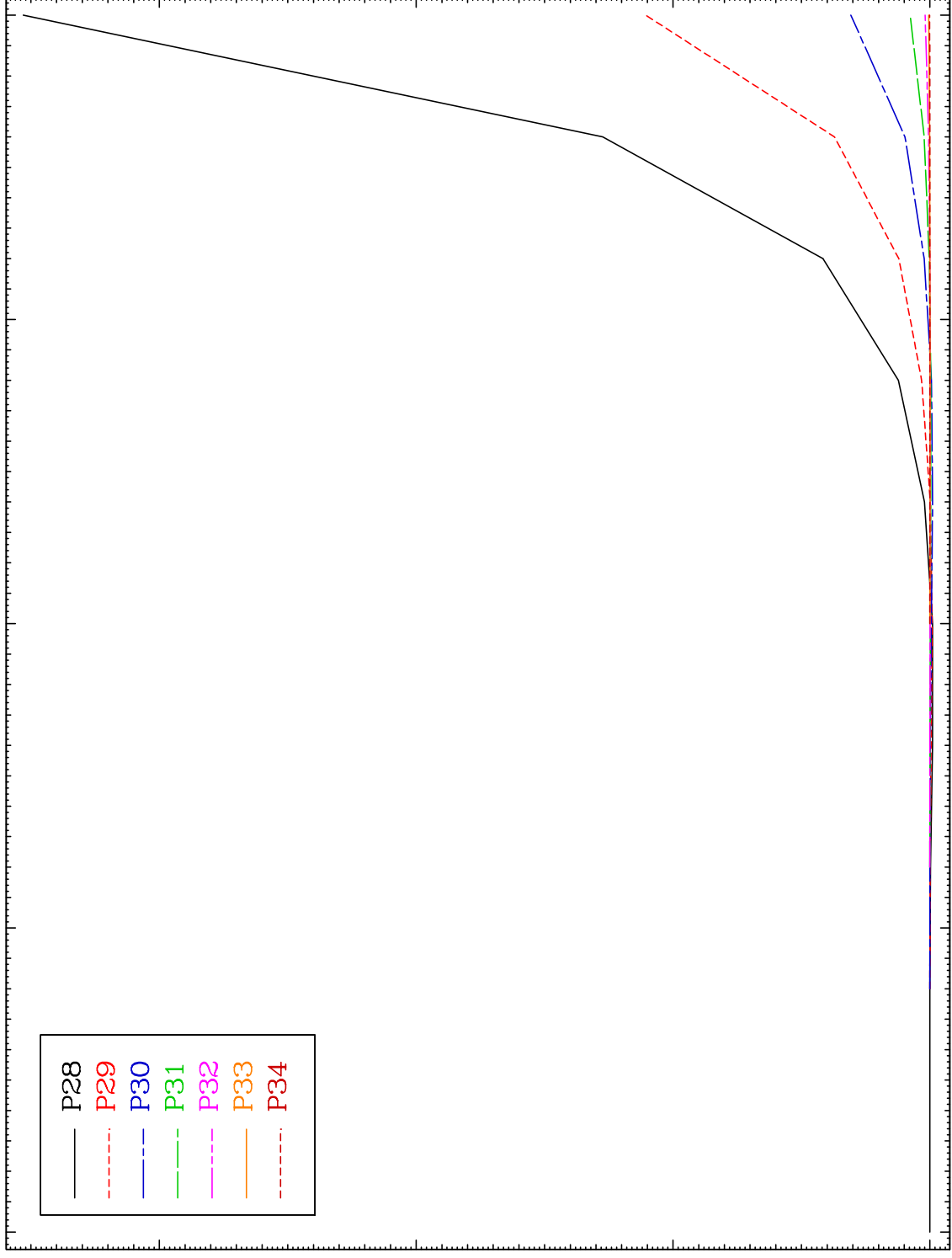
25

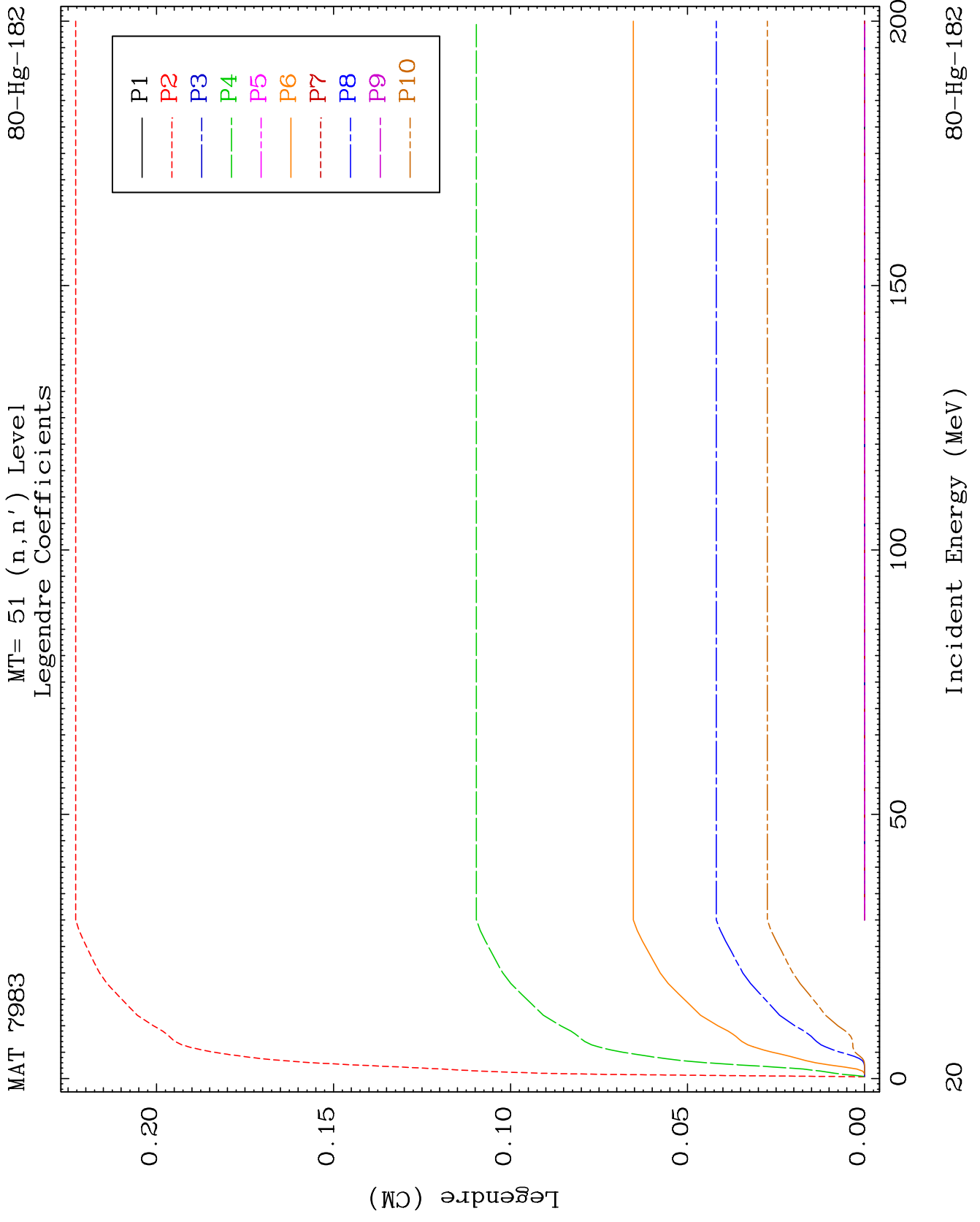
30

19

Incident Energy (MeV)

80-Hg-182

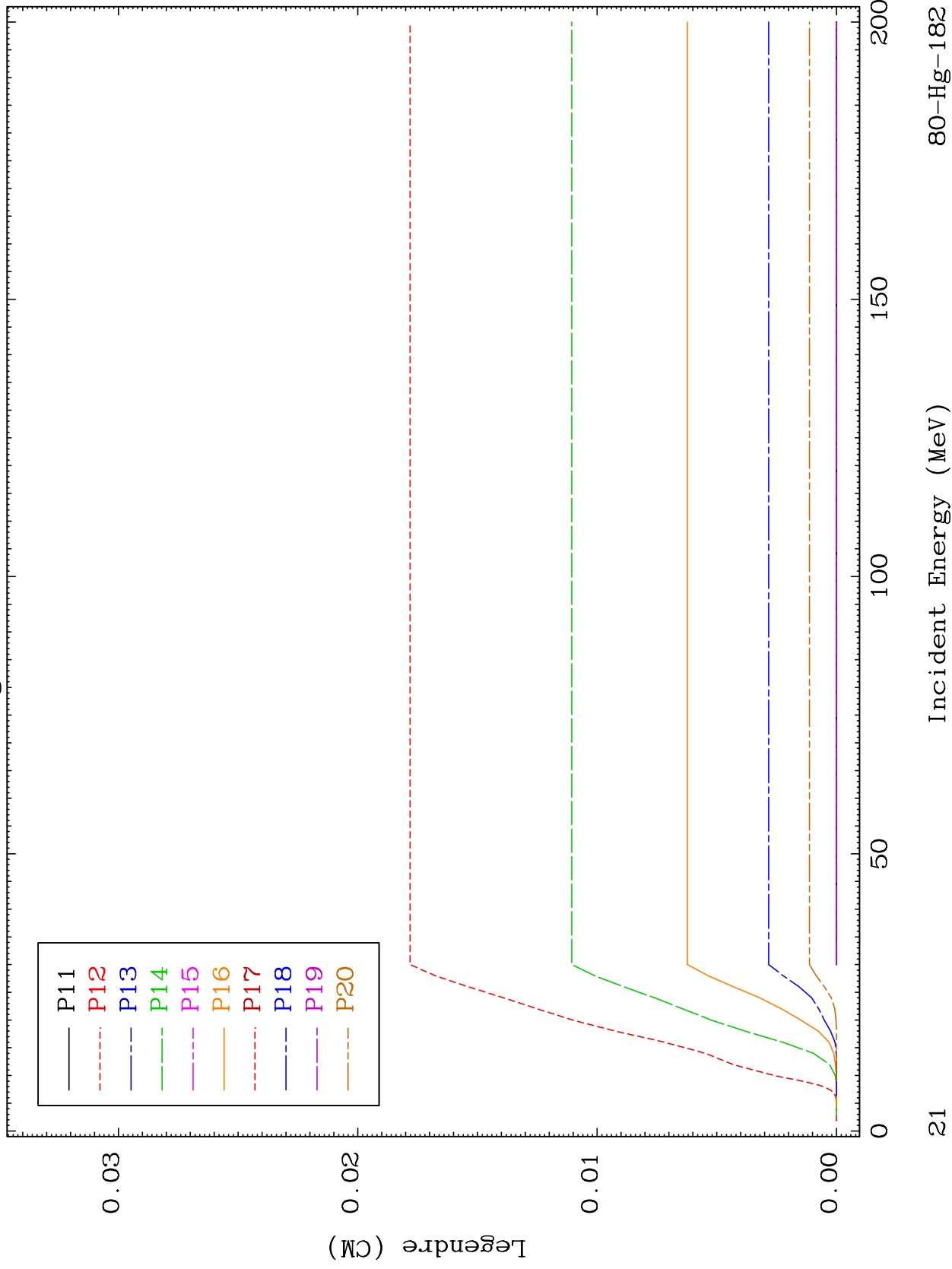




MAT 7983

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

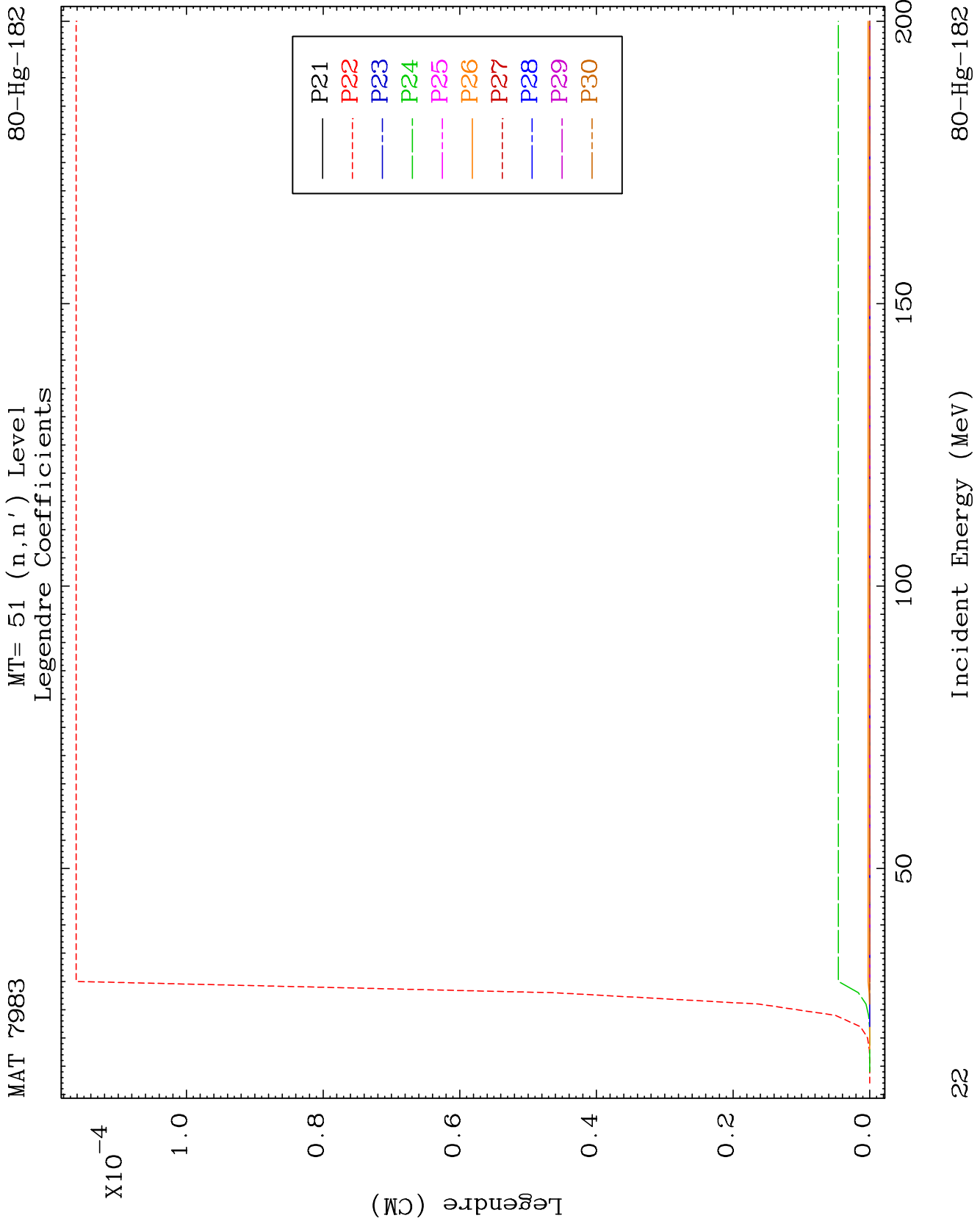
80-Hg-182



21

Incident Energy (MeV)

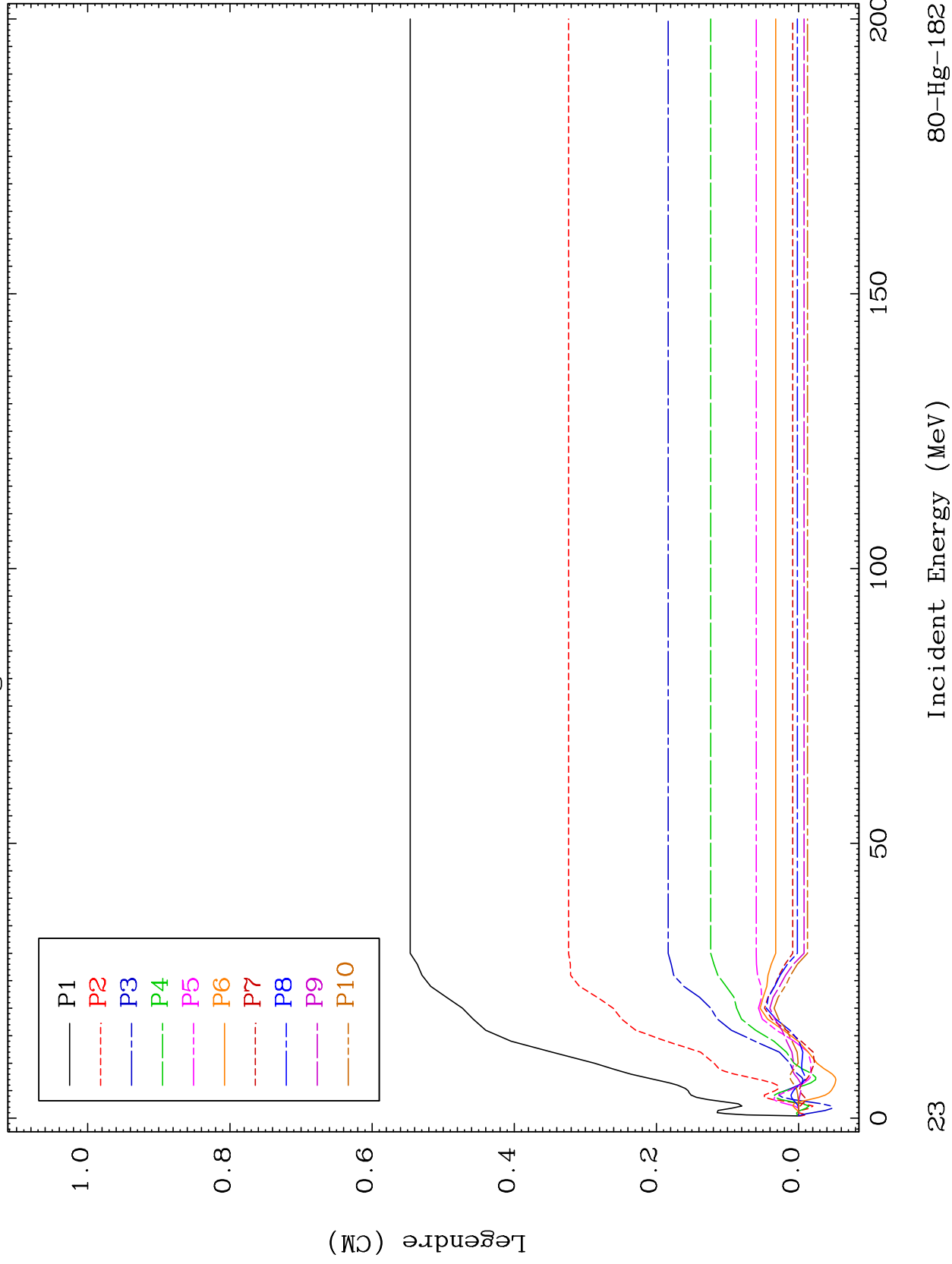
80-Hg-182



MAT 7983

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

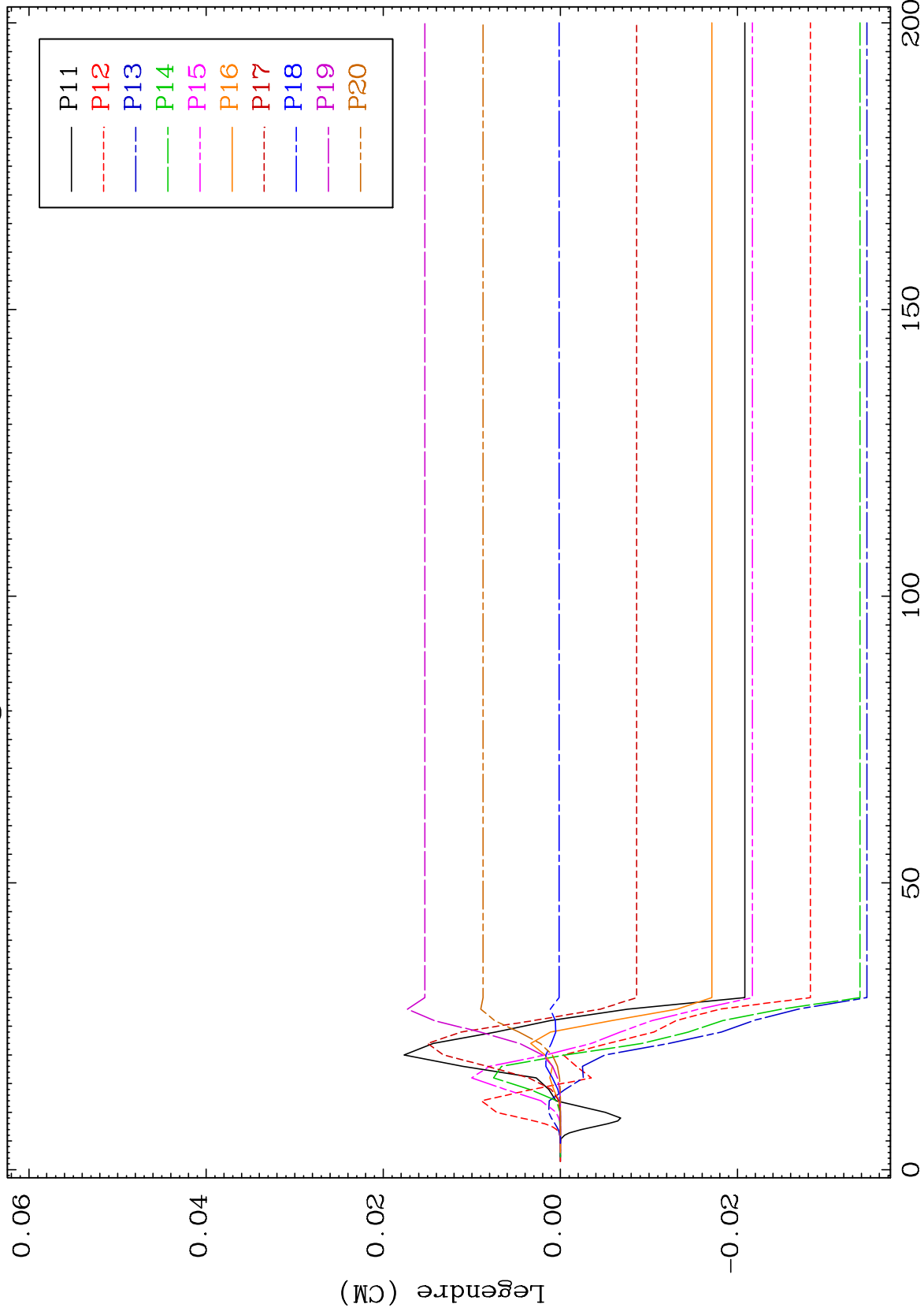
80-Hg-182



MAT 7983

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

80-Hg-182



24

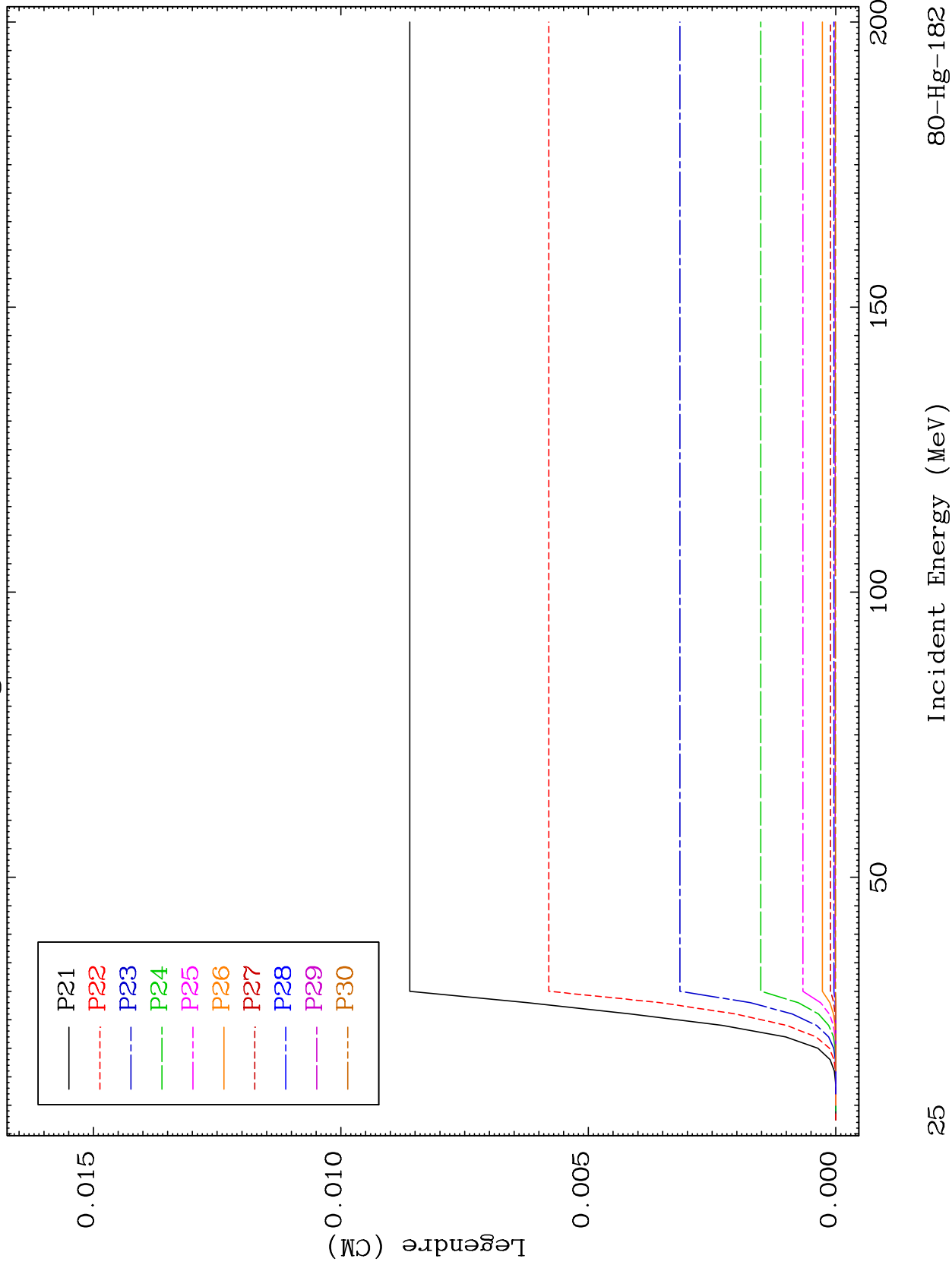
Incident Energy (MeV)

80-Hg-182

MAT 7983

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

80-Hg-182



25

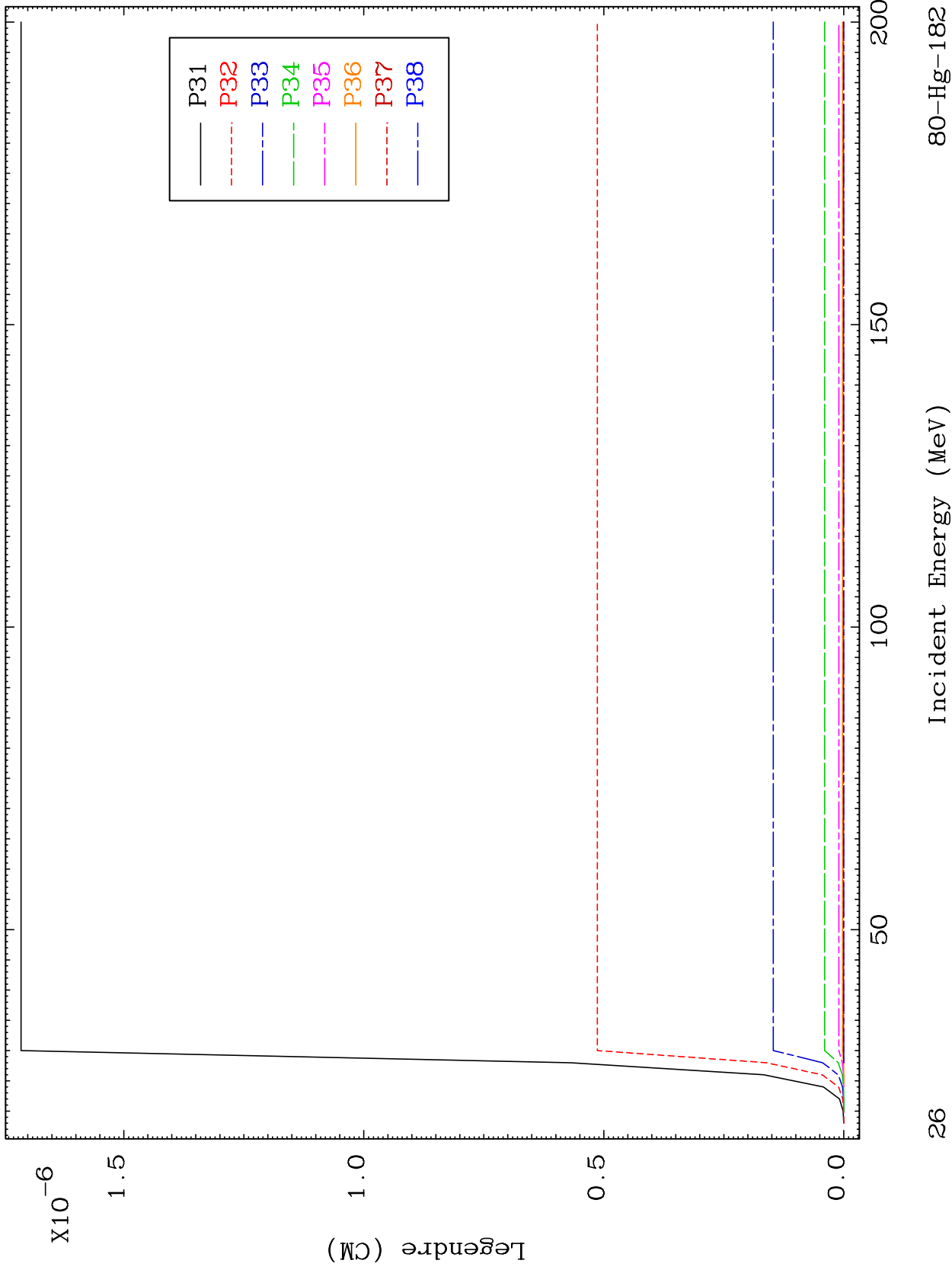
Incident Energy (MeV)

80-Hg-182

MAT 7983

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

80-Hg-182



26

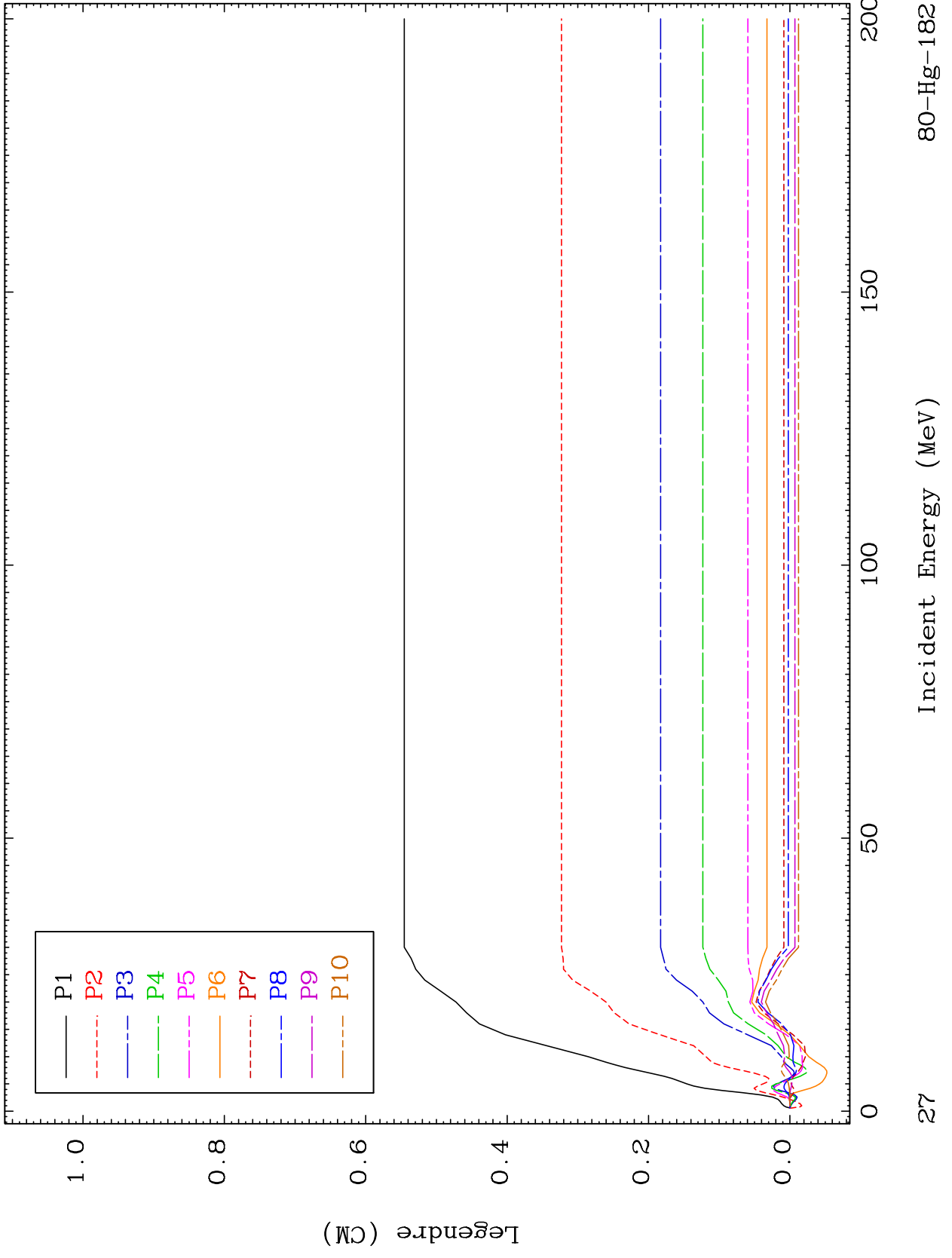
Incident Energy (MeV)

80-Hg-182

MAT 7983

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

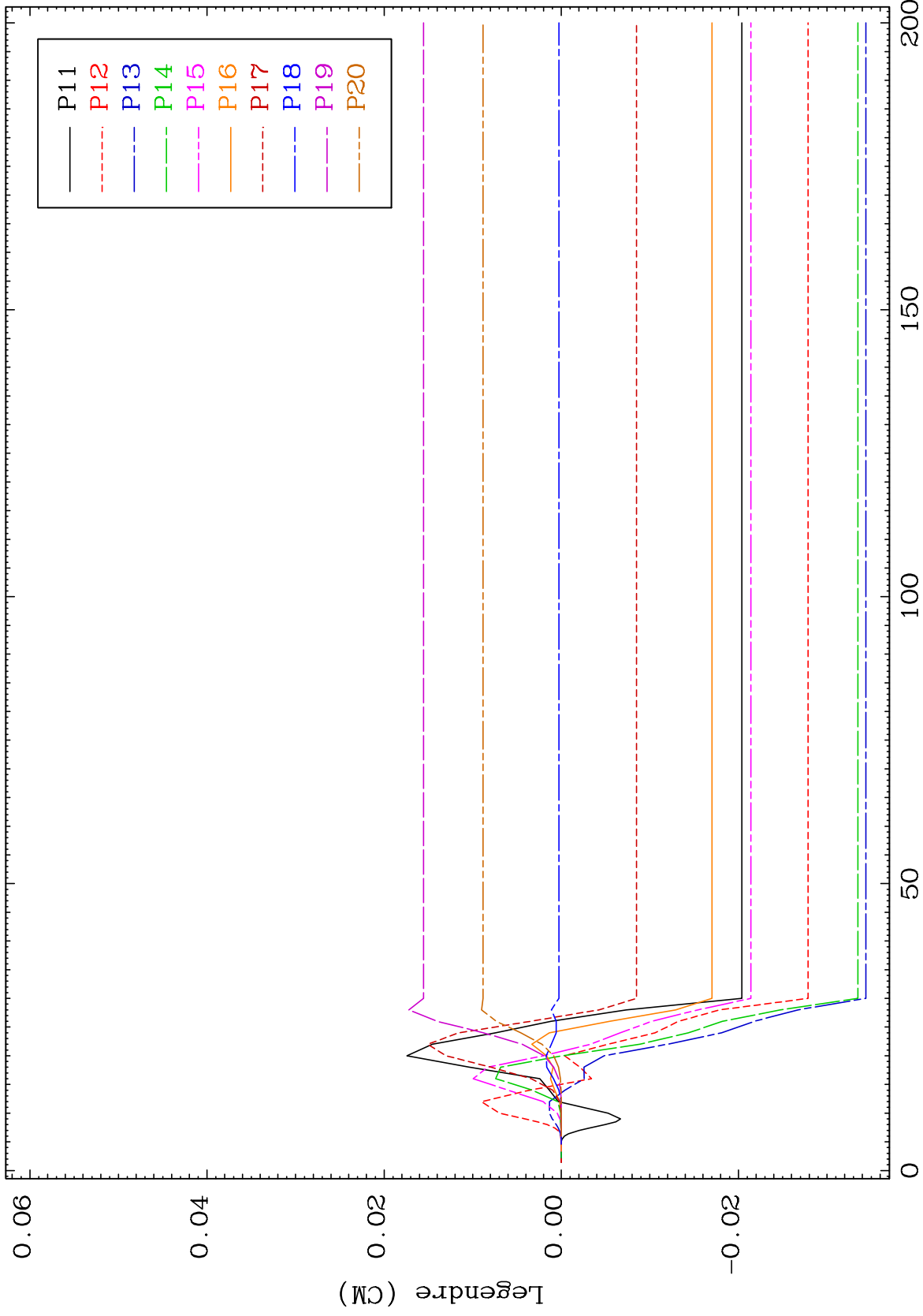
80-Hg-182



MAT 7983

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

80-Hg-182



28

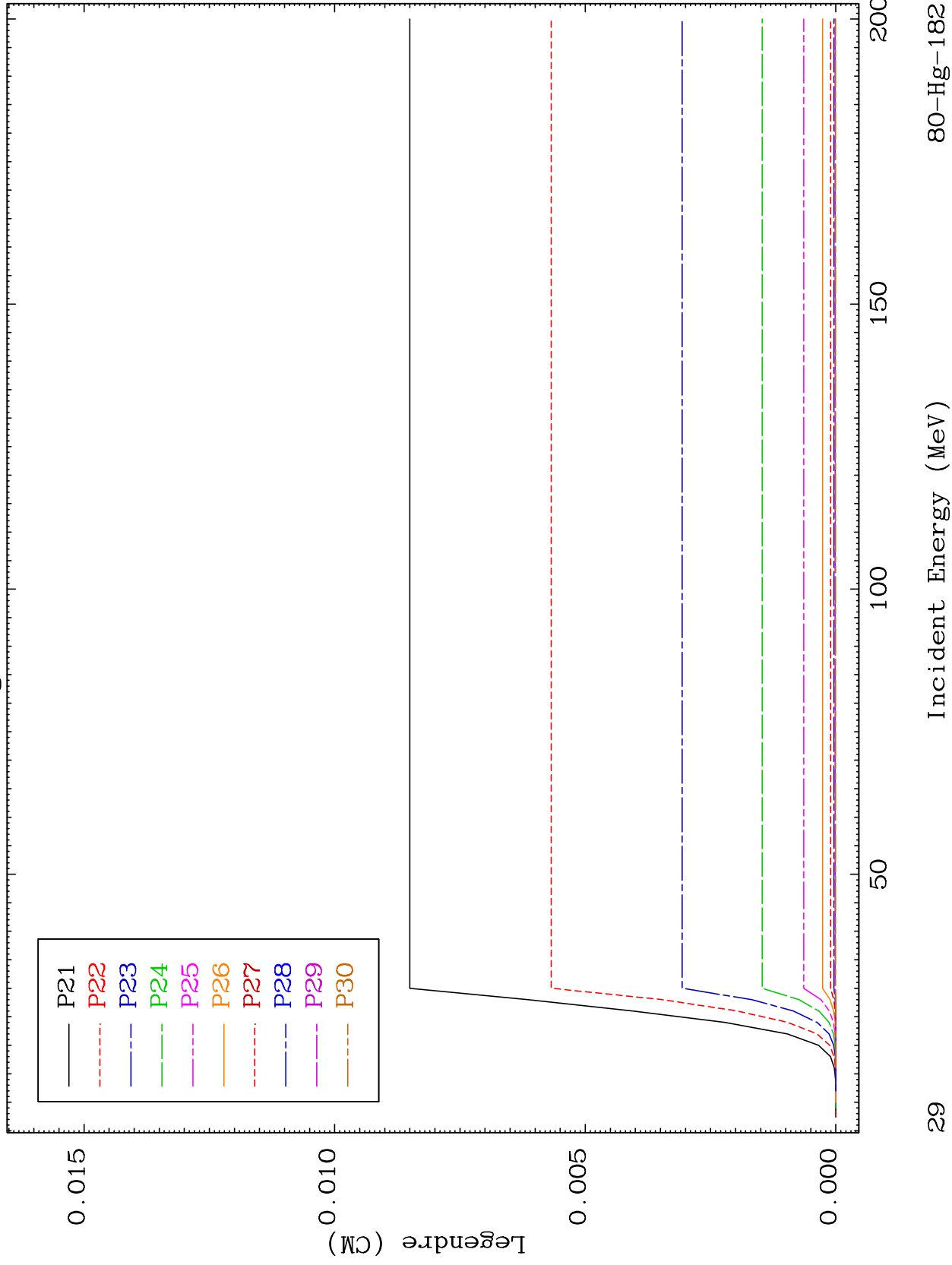
Incident Energy (MeV)

80-Hg-182

MAT 7983

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

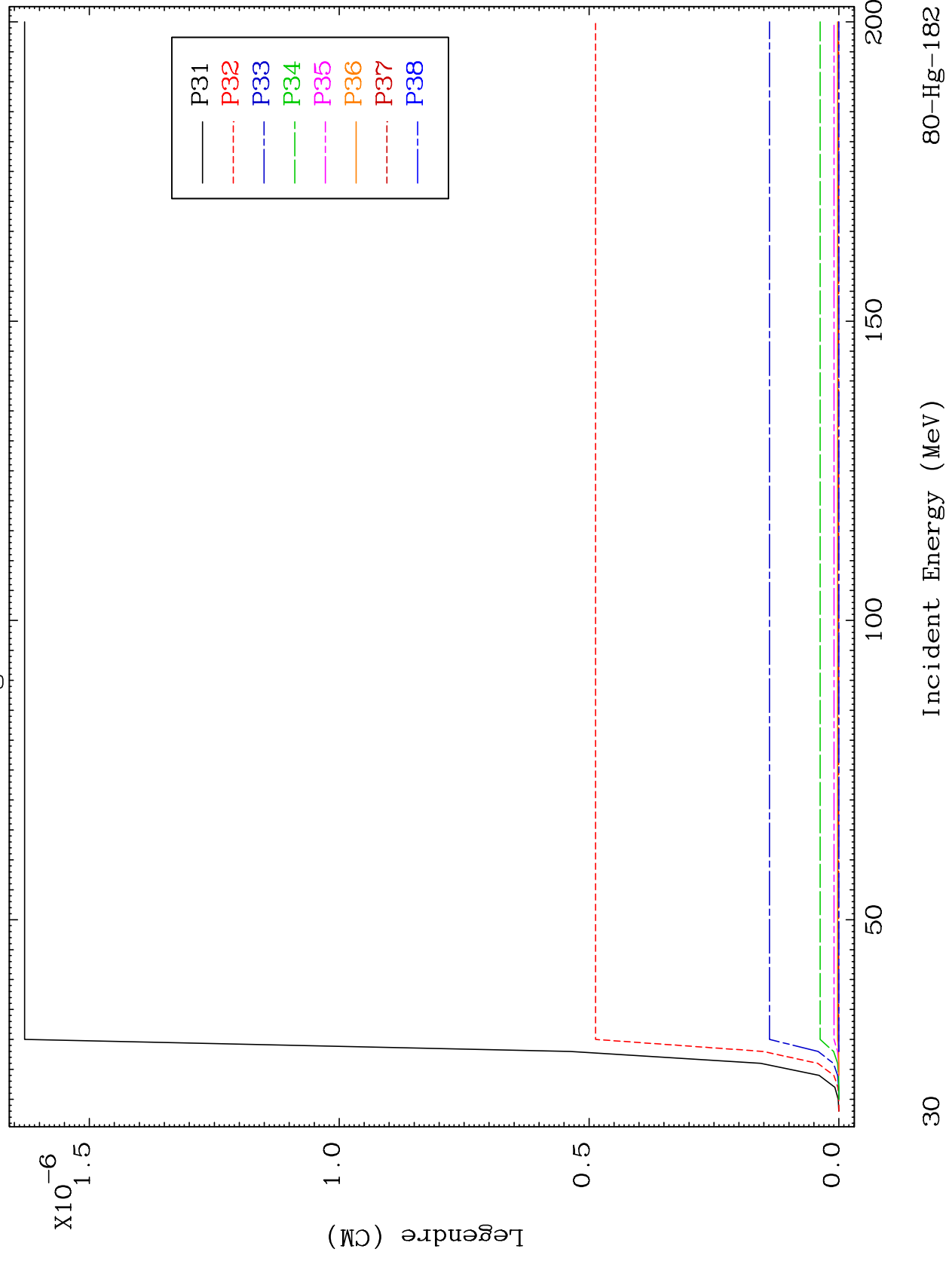
80-Hg-182



MAT 7983

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

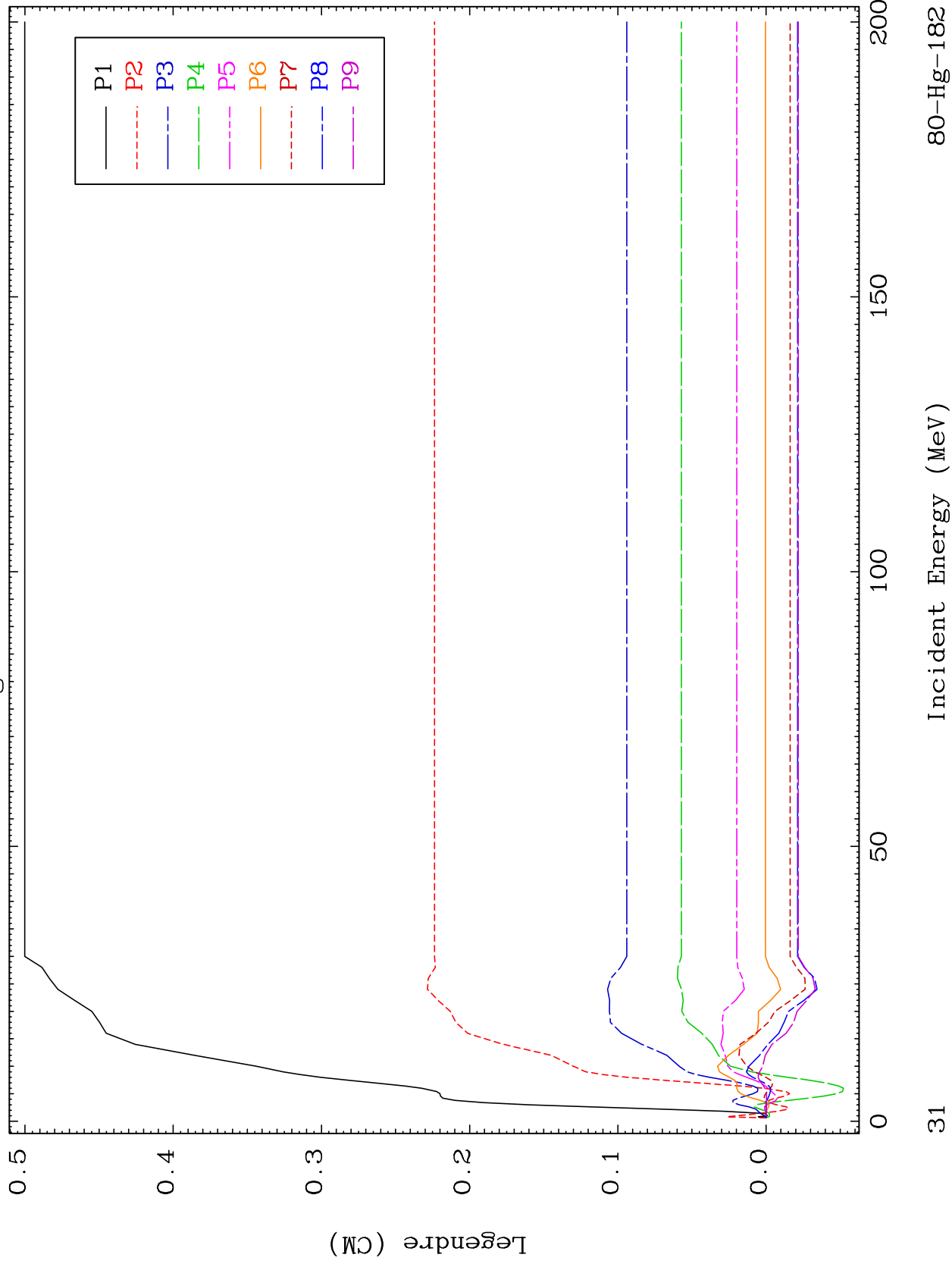
80-Hg-182



MAT 7983

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

80-Hg-182



31

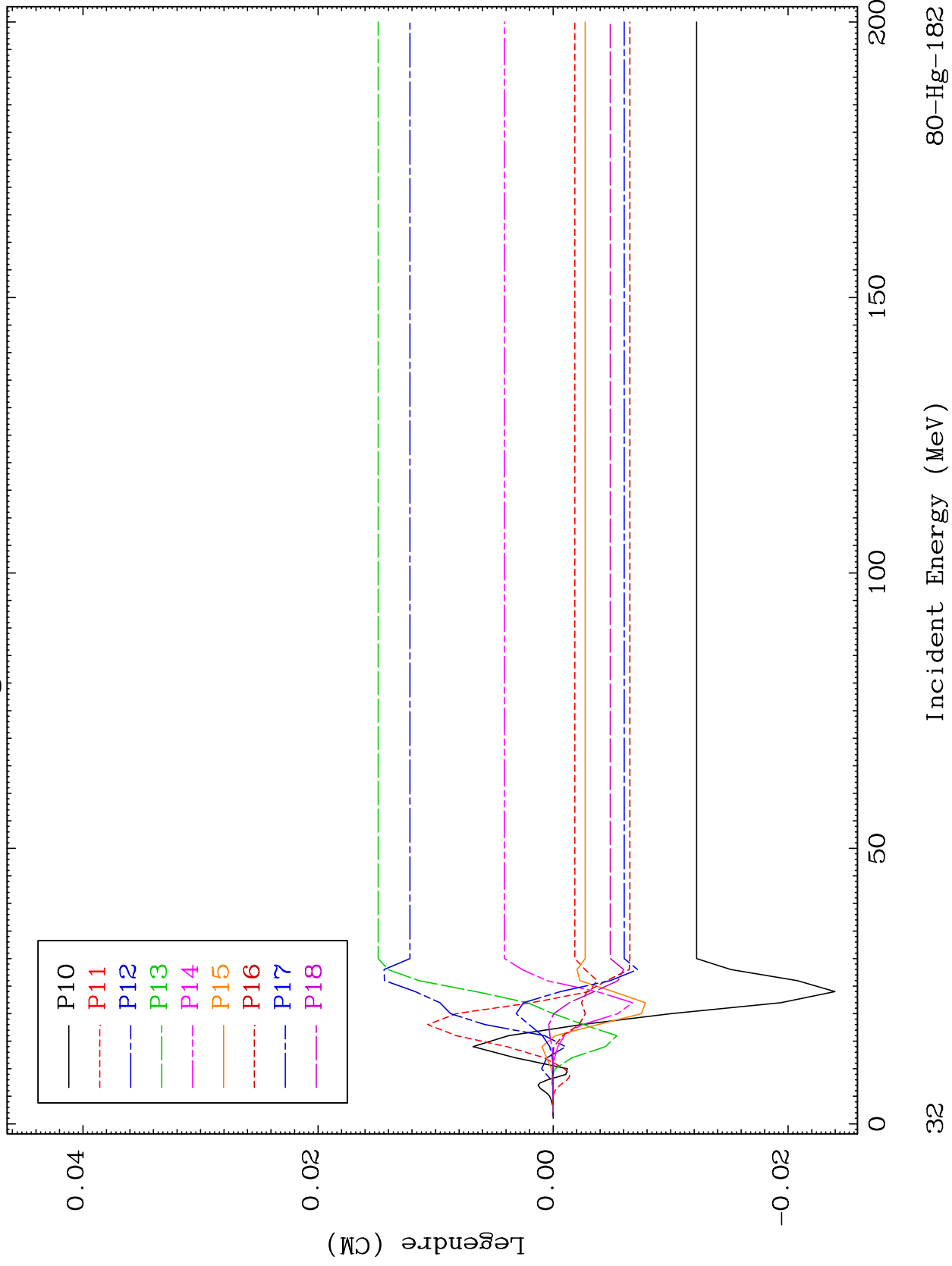
Incident Energy (MeV)

80-Hg-182

MAT 7983

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

80-Hg-182



32

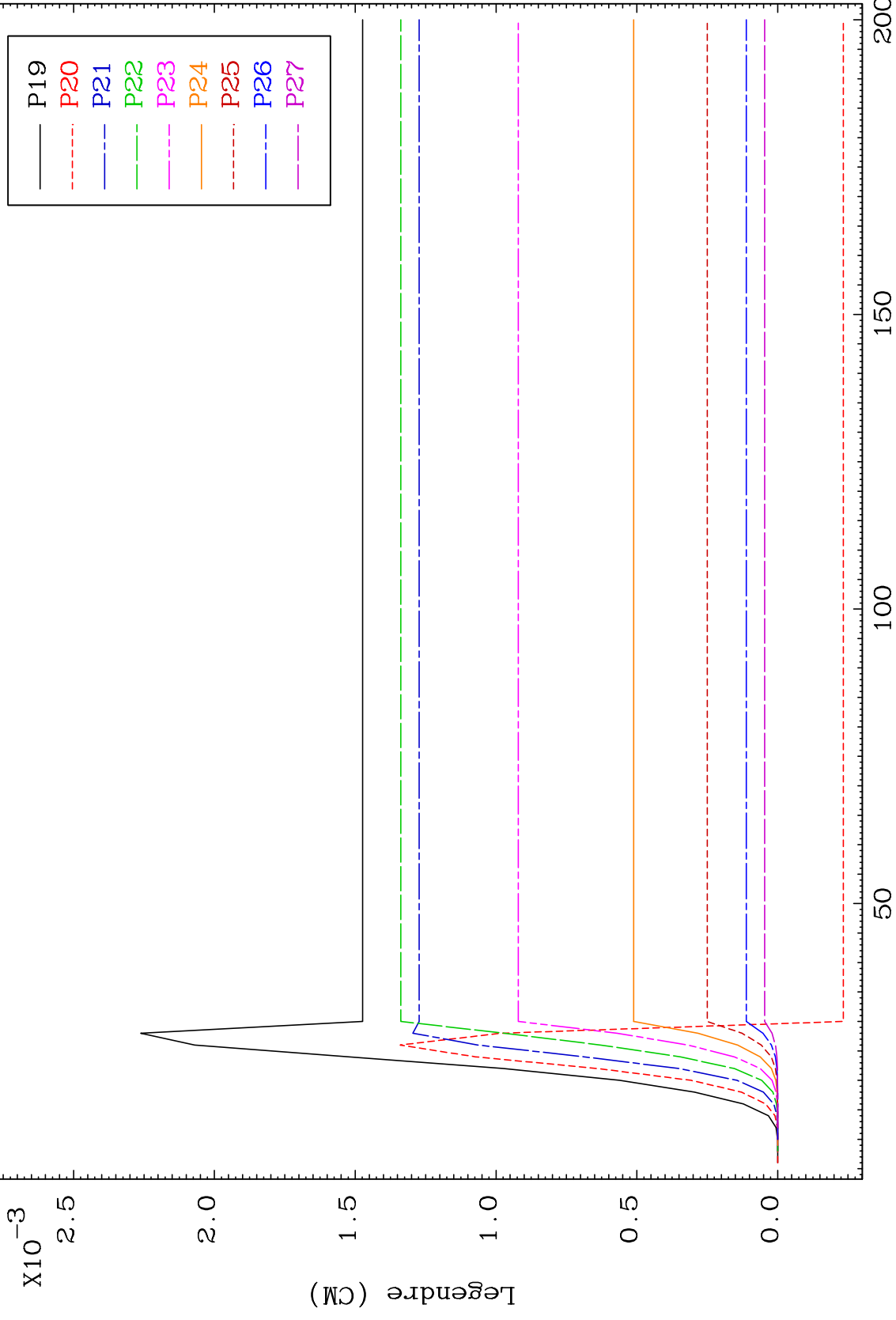
Incident Energy (MeV)

80-Hg-182

MAT 7983

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

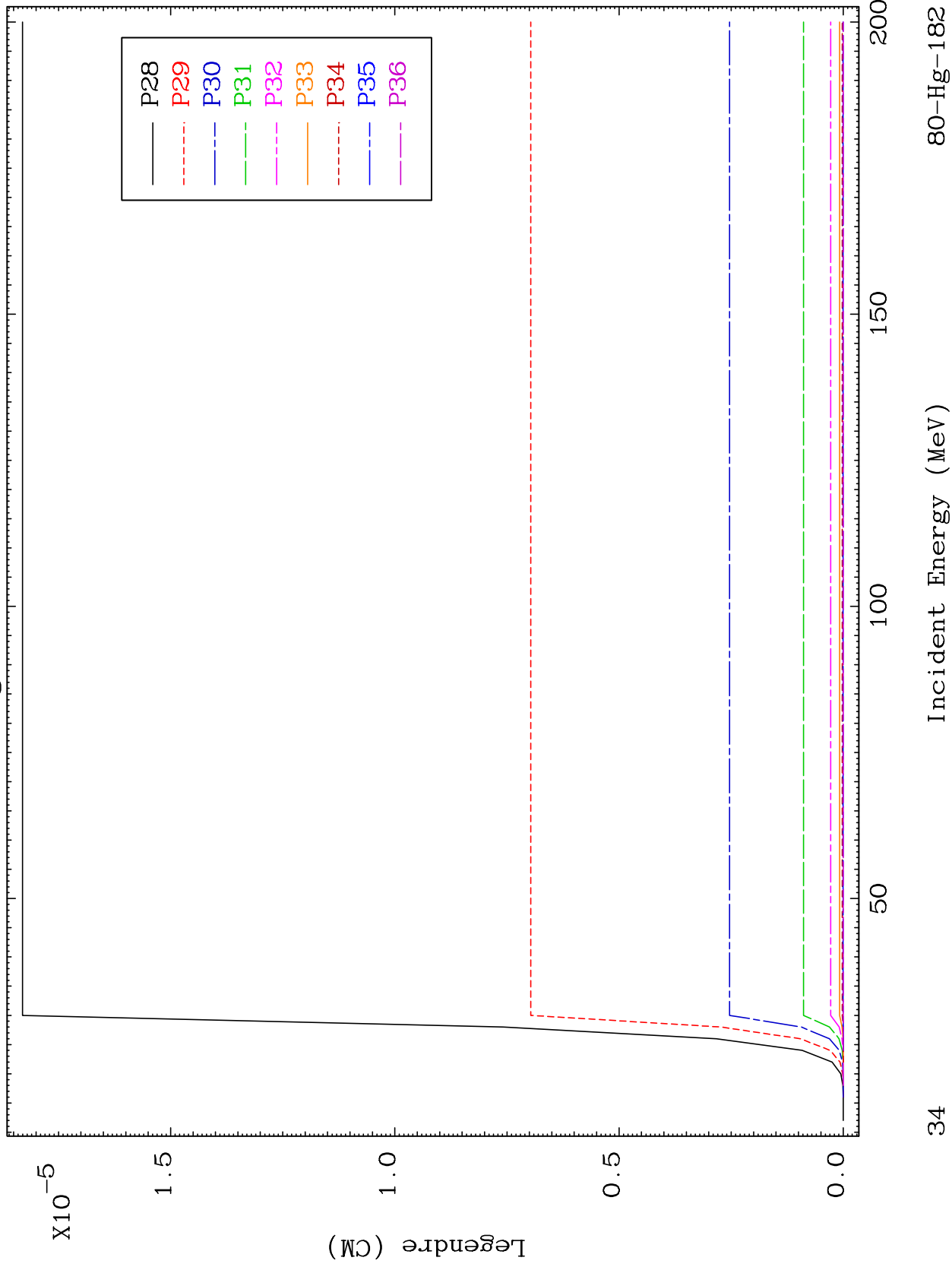
80-Hg-182



MAT 7983

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

80-Hg-182

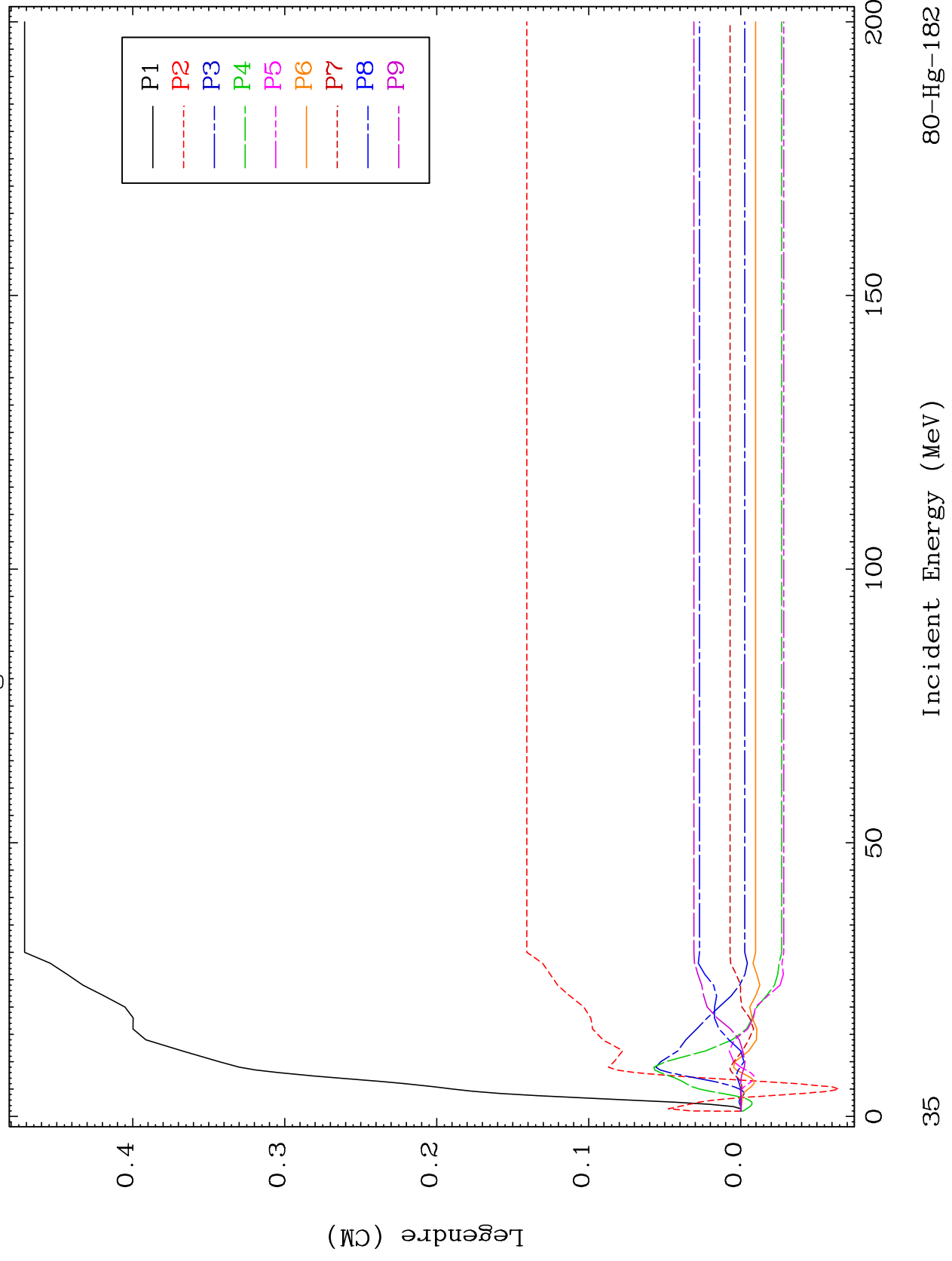


34

MAT 7983

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

80-Hg-182



80-Hg-182

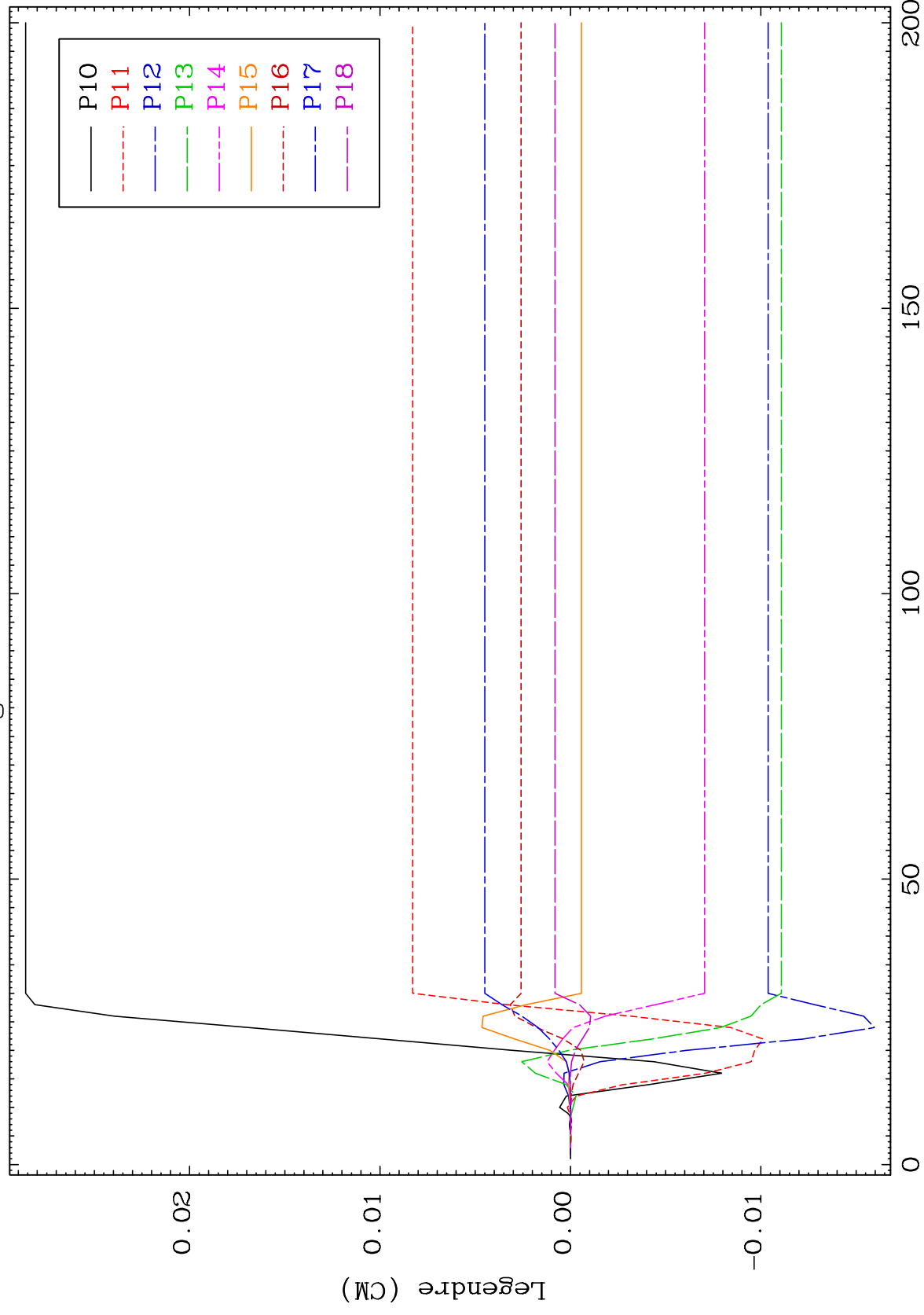
Incident Energy (MeV)

35

MAT 7983

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

80-Hg-182



36

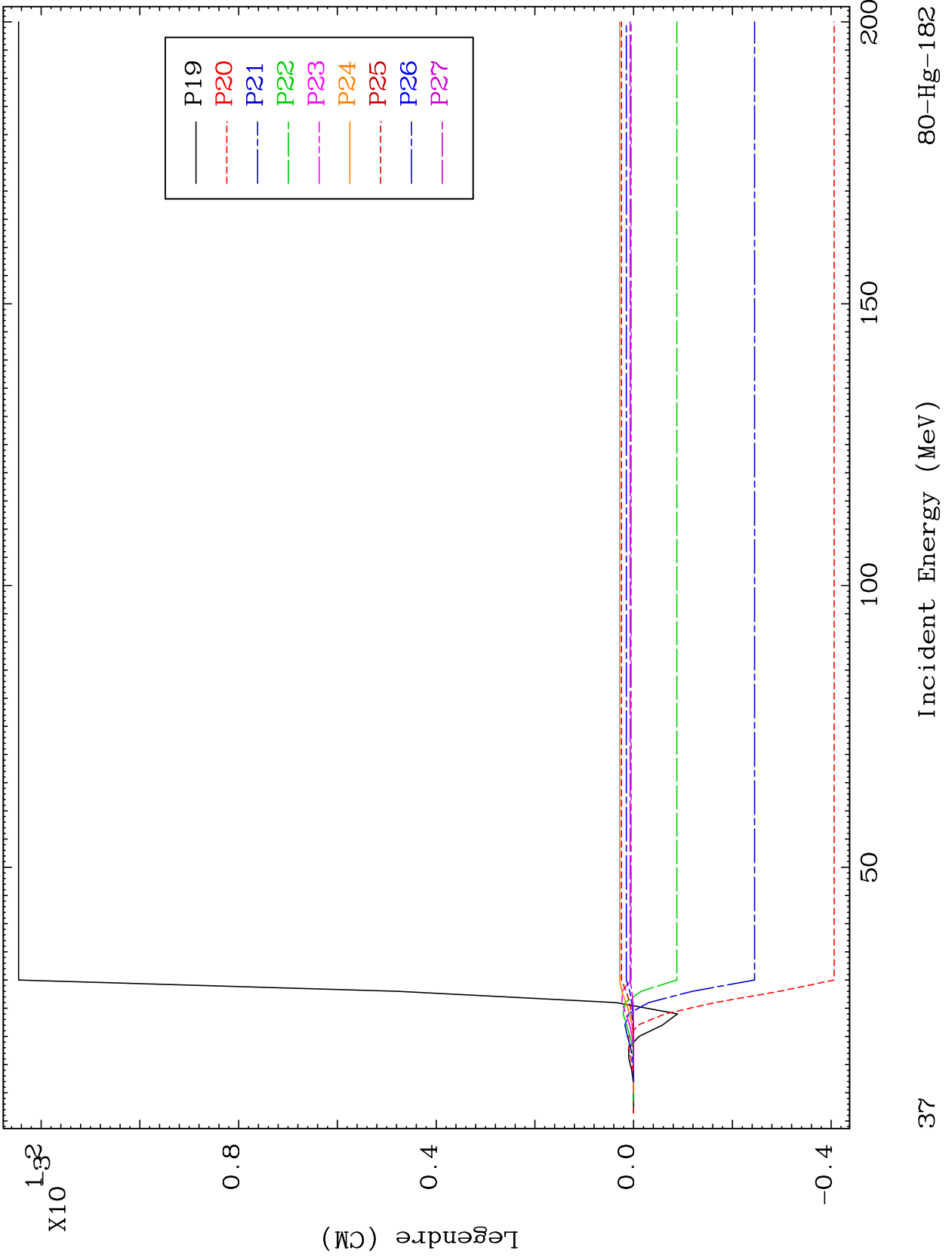
Incident Energy (MeV)

80-Hg-182

MAT 7983

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

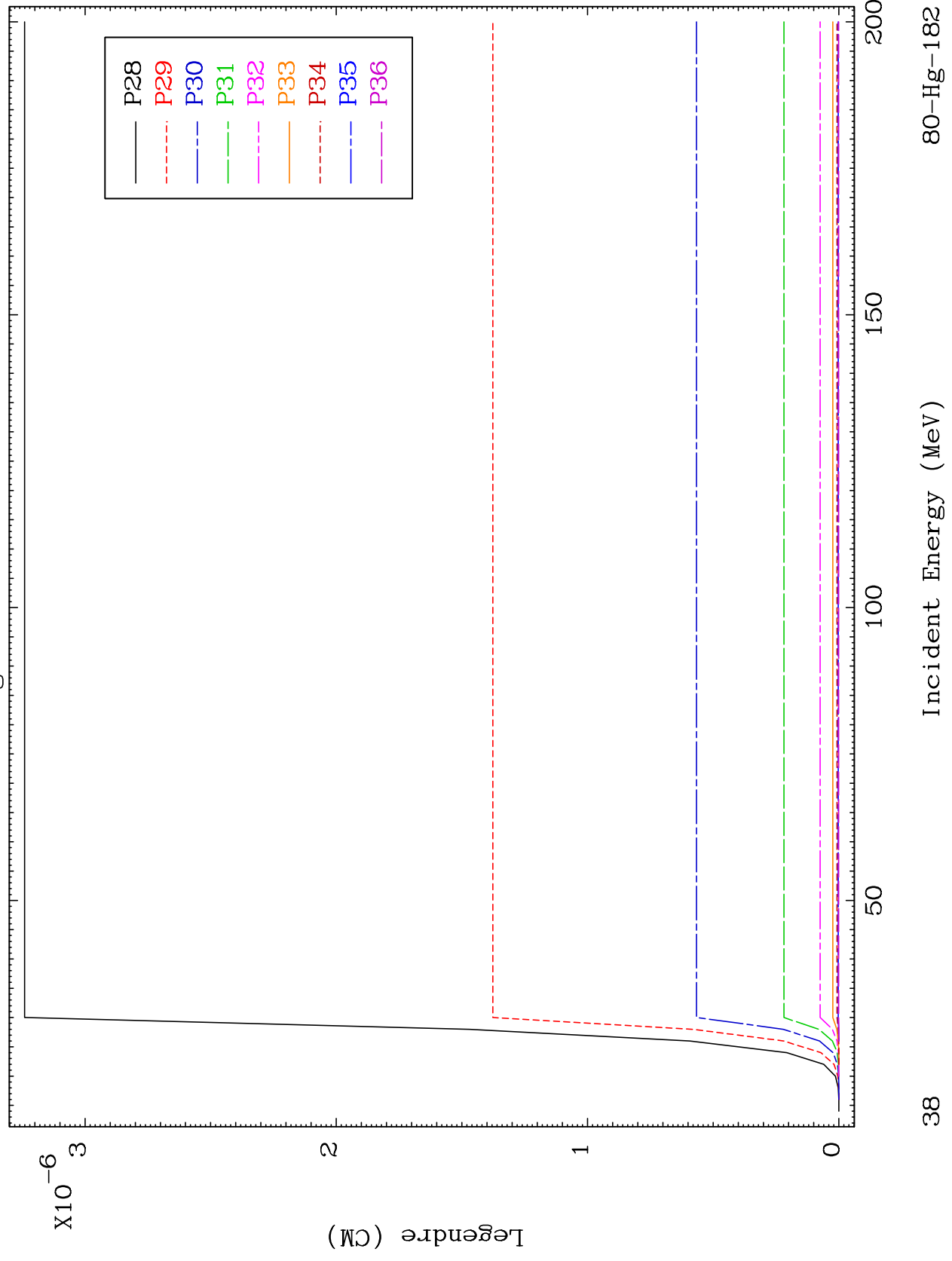
80-Hg-182



MAT 7983

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

80-Hg-182



38

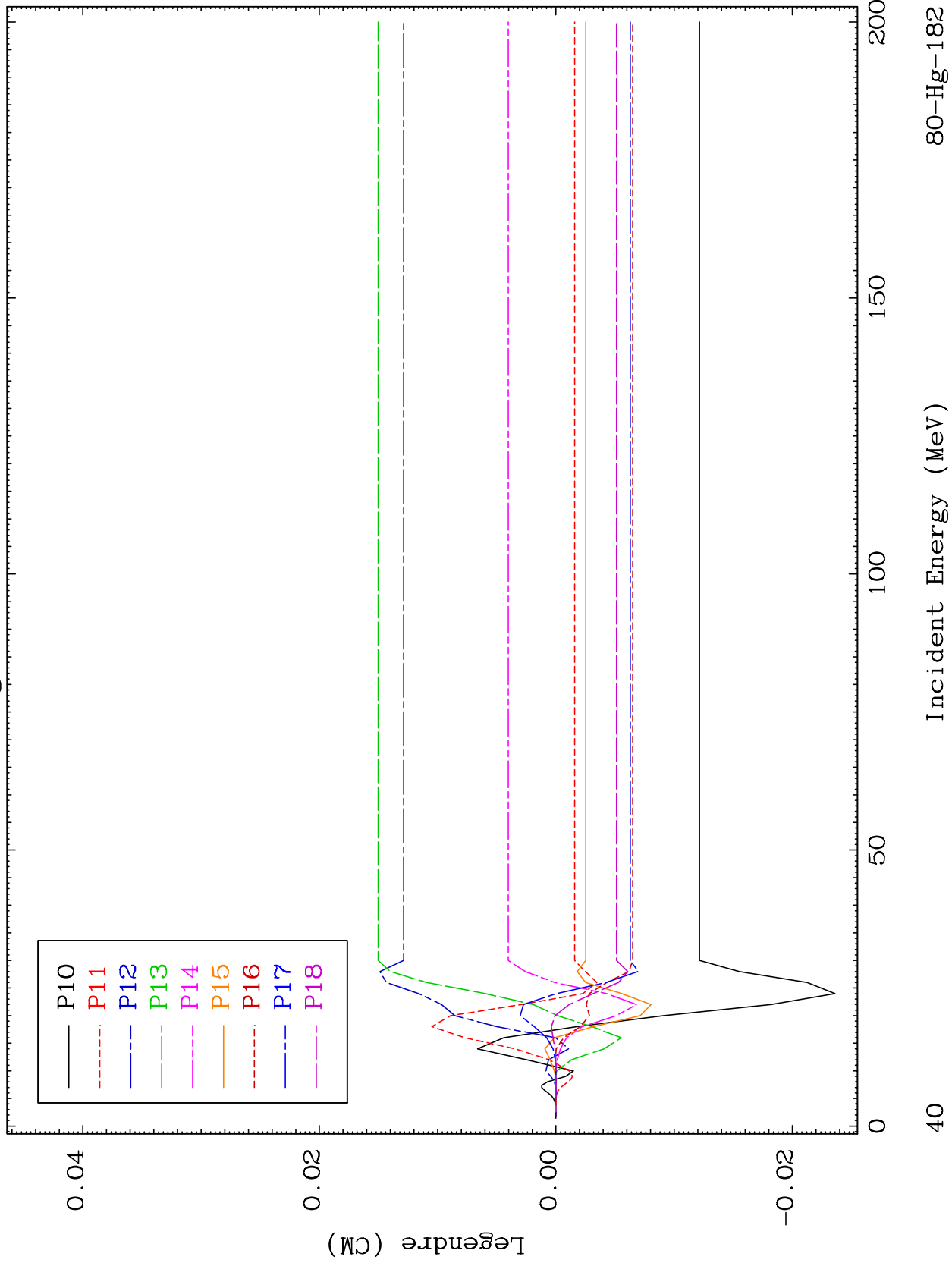
Incident Energy (MeV)

80-Hg-182

MAT 7983

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

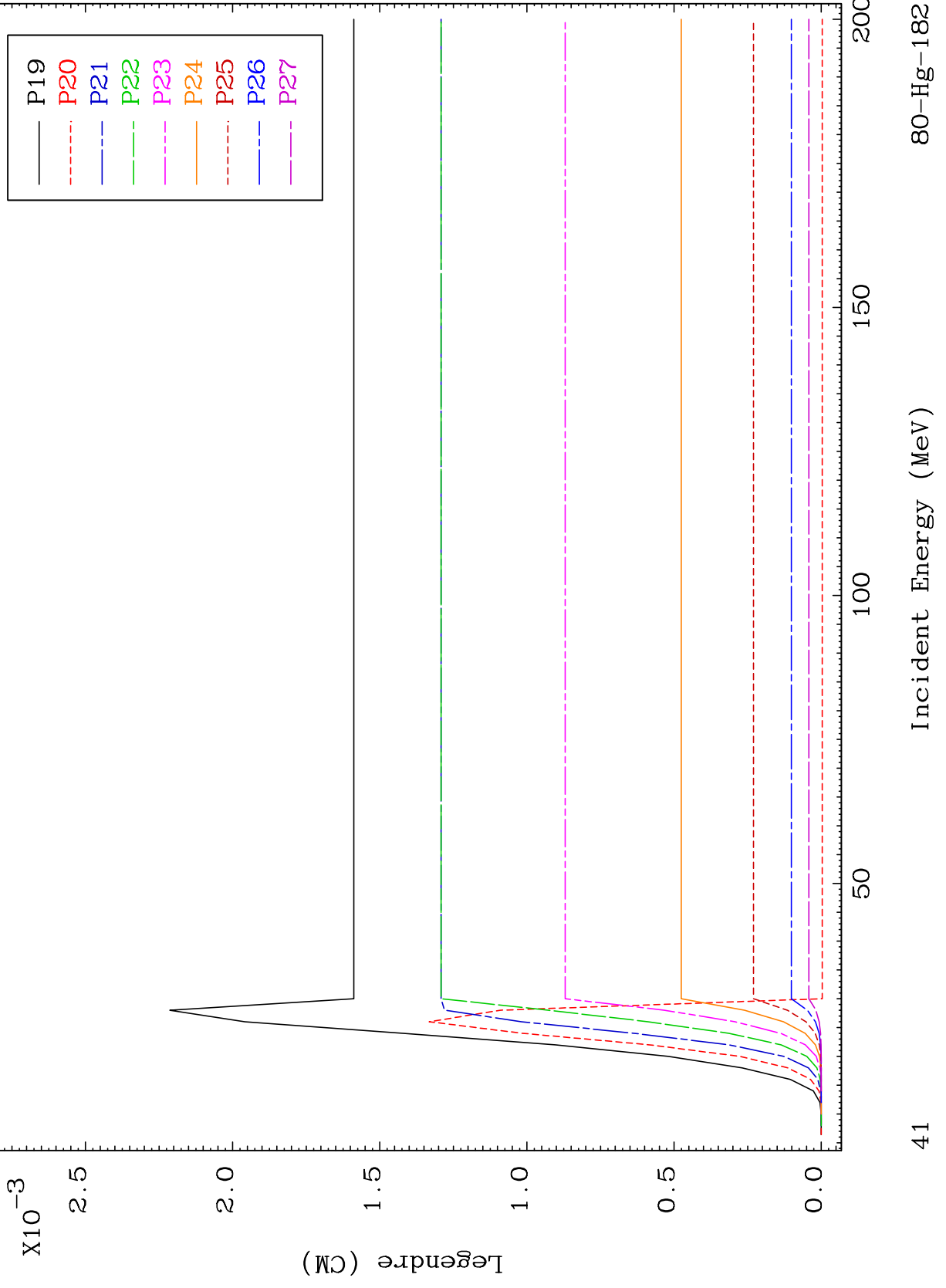
80-Hg-182



MAT 7983

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

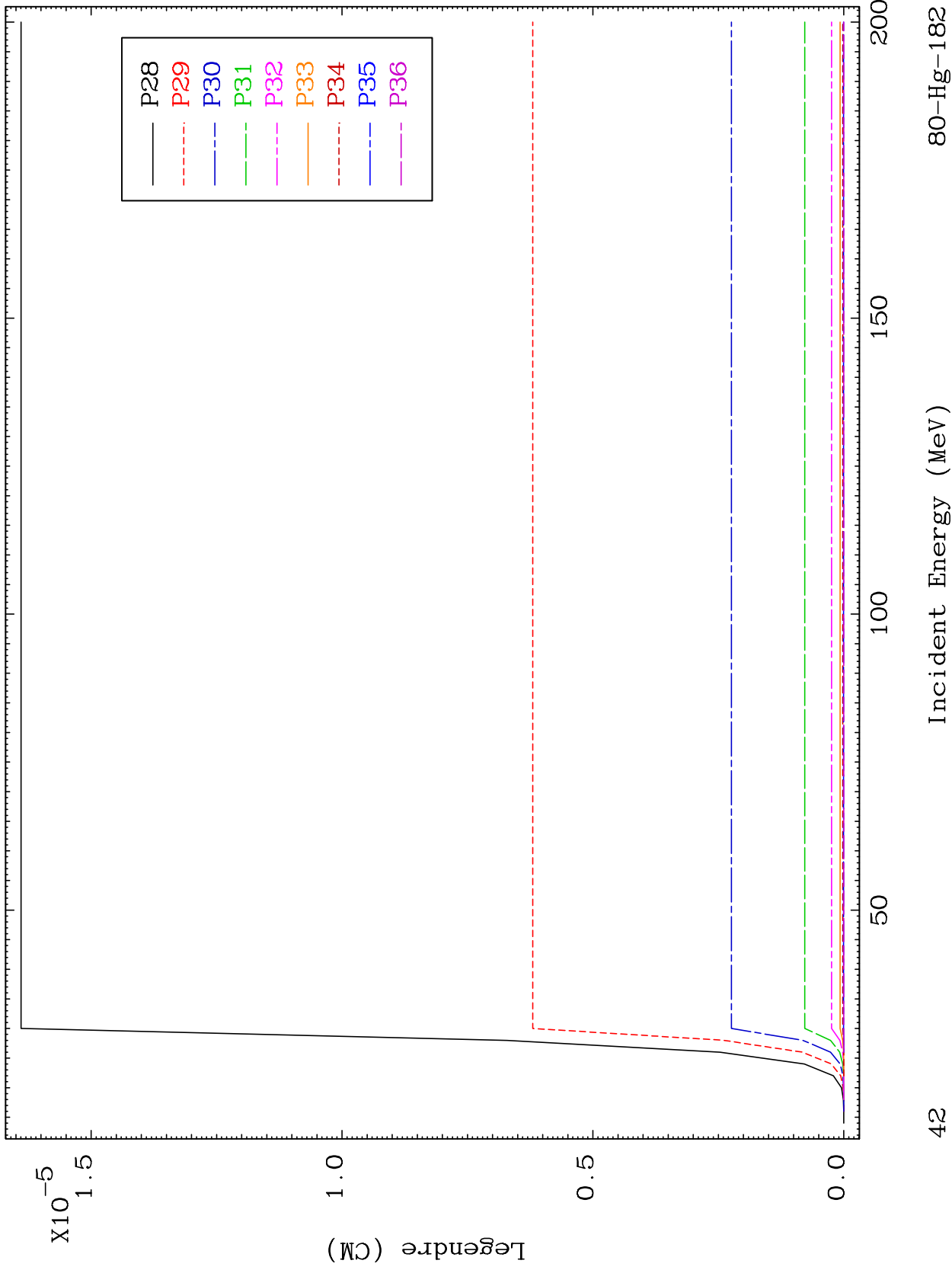
80-Hg-182



MAT 7983

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

80-Hg-182



42

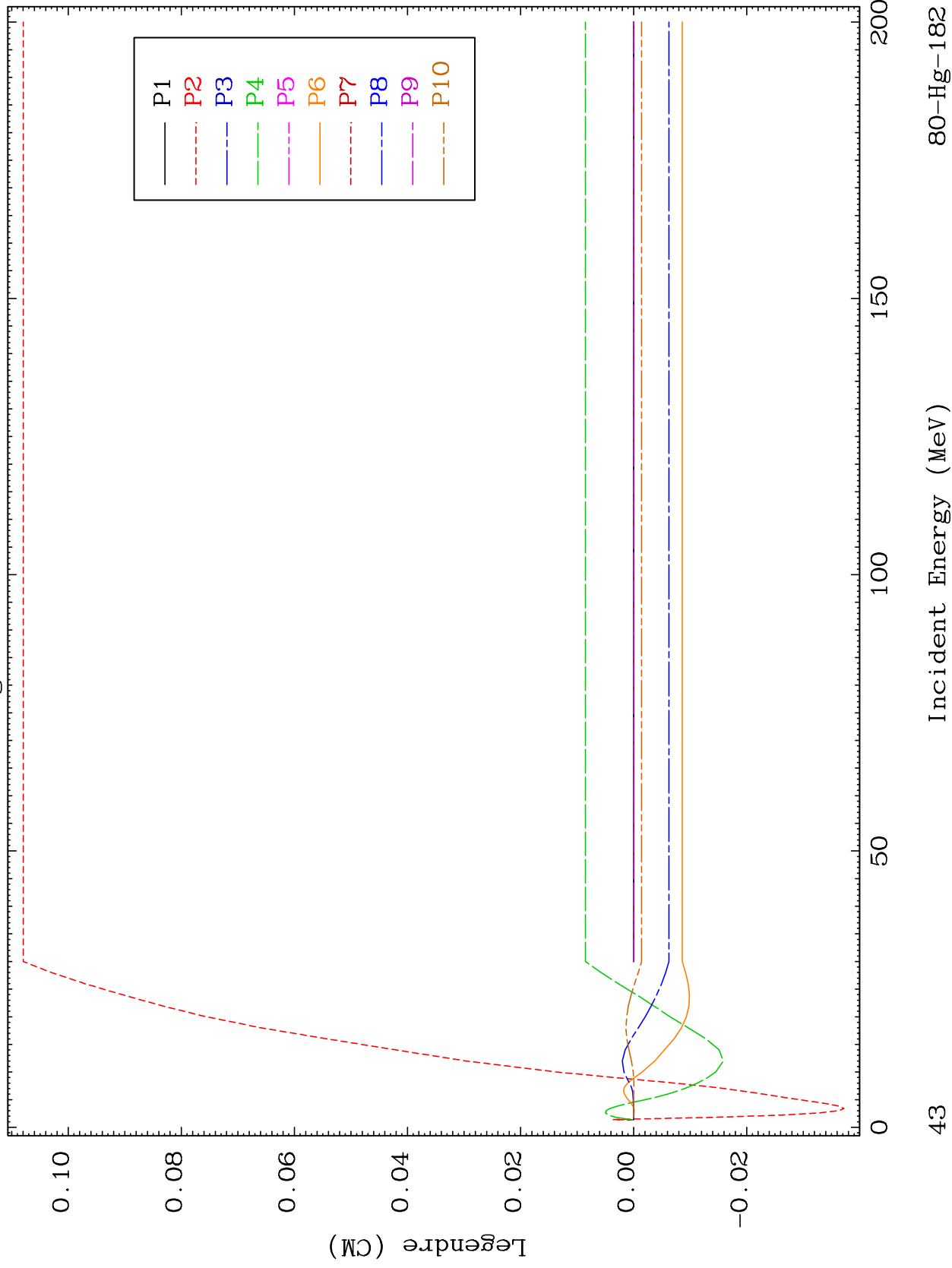
Incident Energy (MeV)

80-Hg-182

MAT 7983

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

80-Hg-182



80-Hg-182

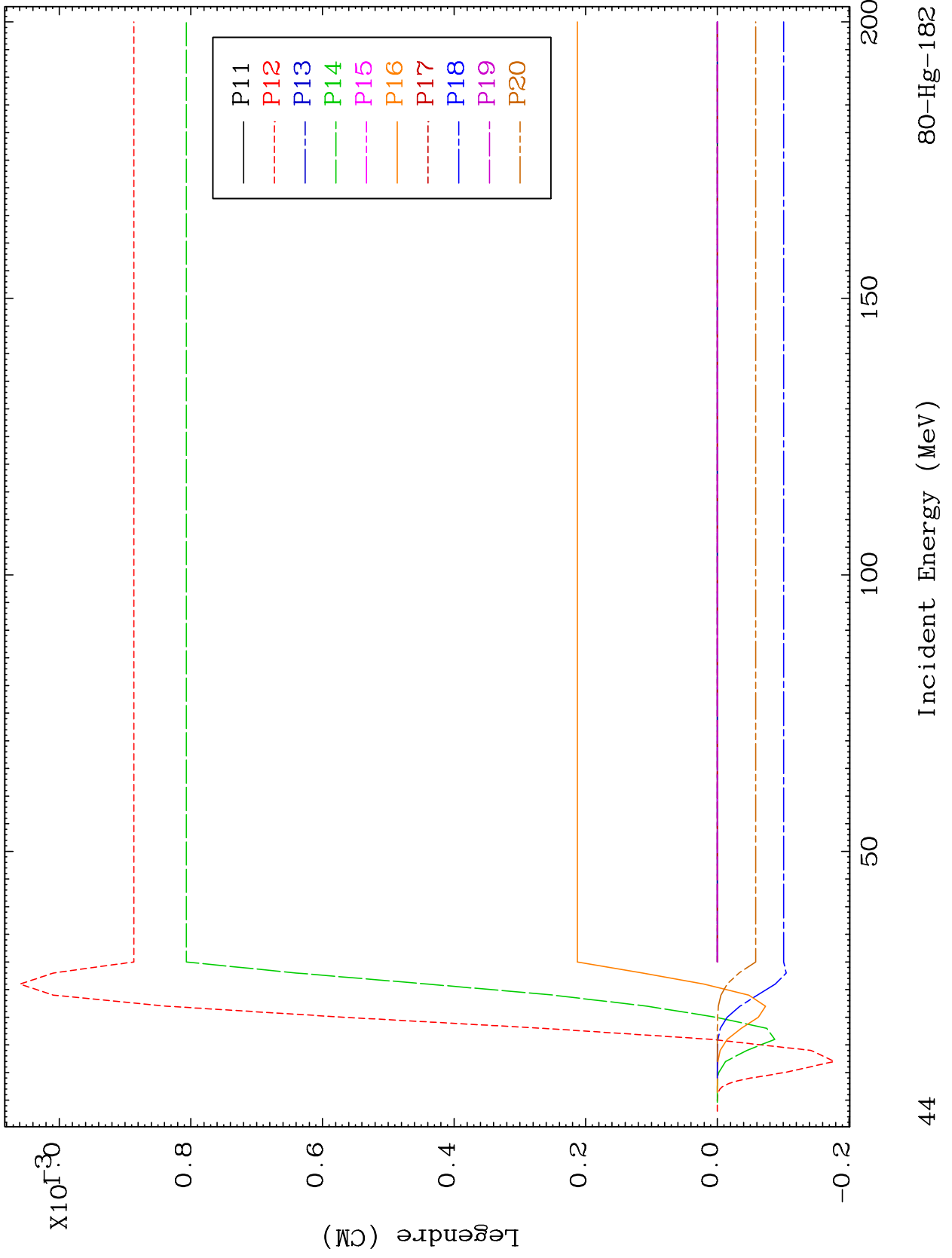
Incident Energy (MeV)

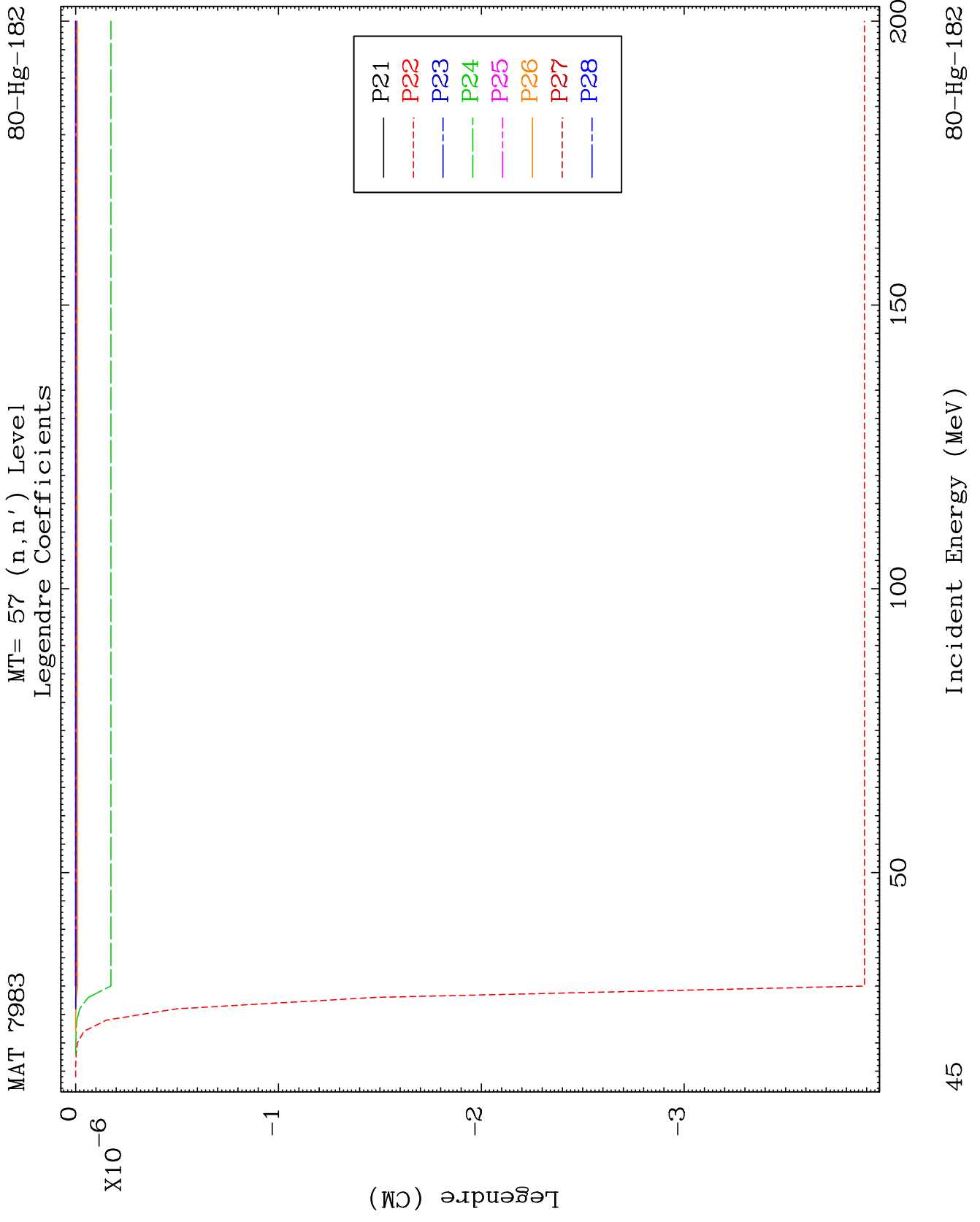
43

MAT 7983

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

80-Hg-182

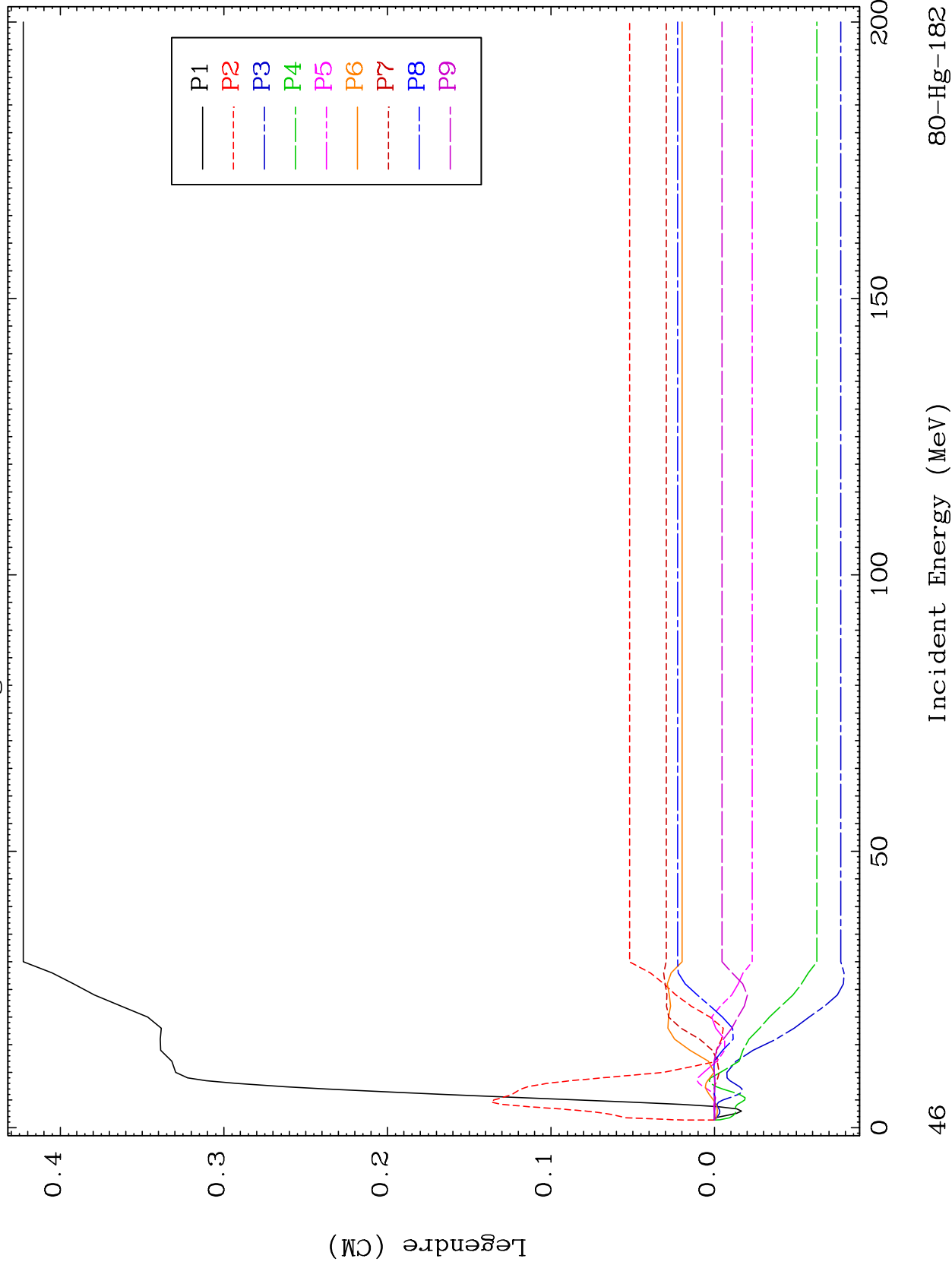




MAT 7983

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

80-Hg-182



46

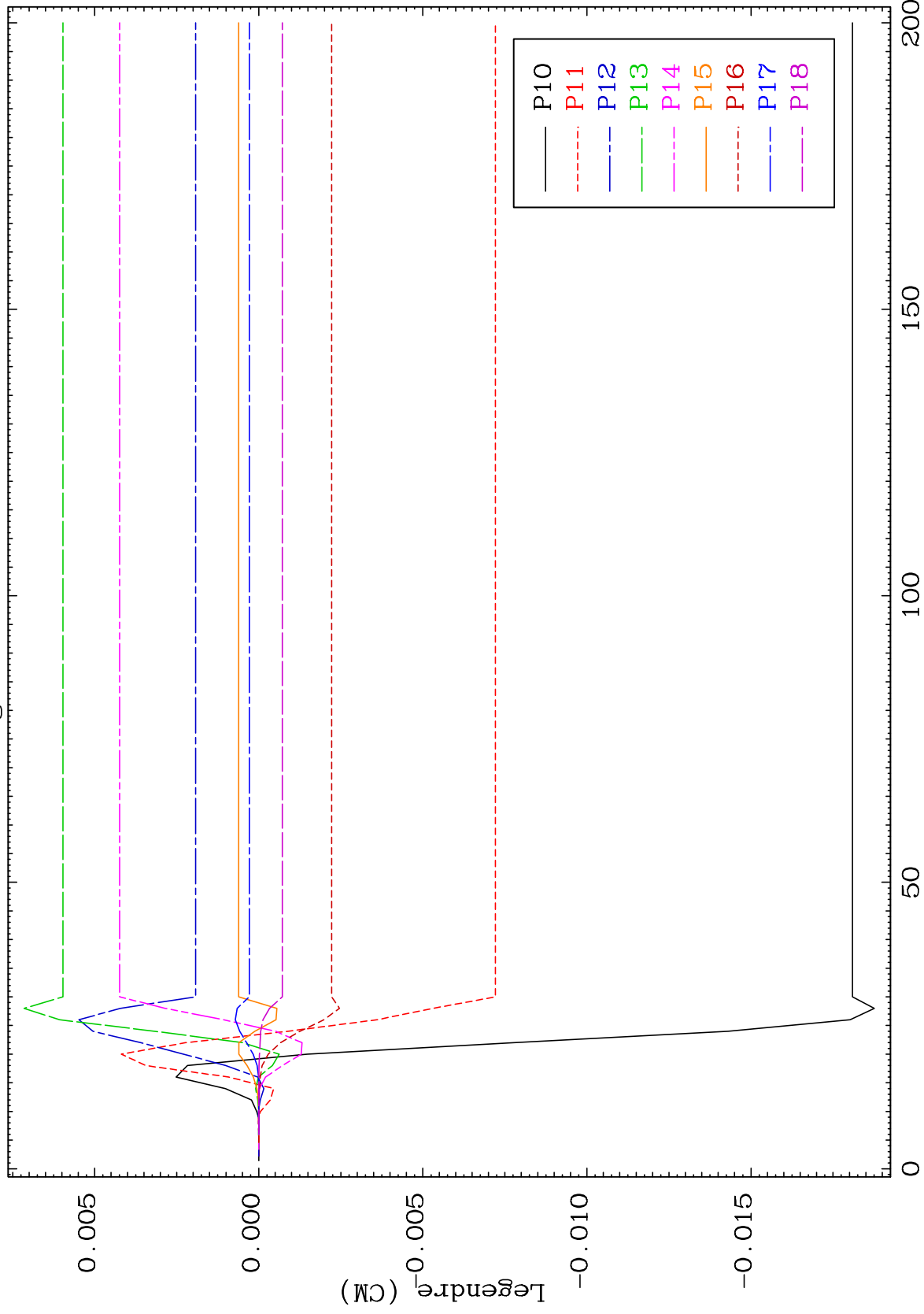
Incident Energy (MeV)

80-Hg-182

MAT 7983

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

80-Hg-182



47

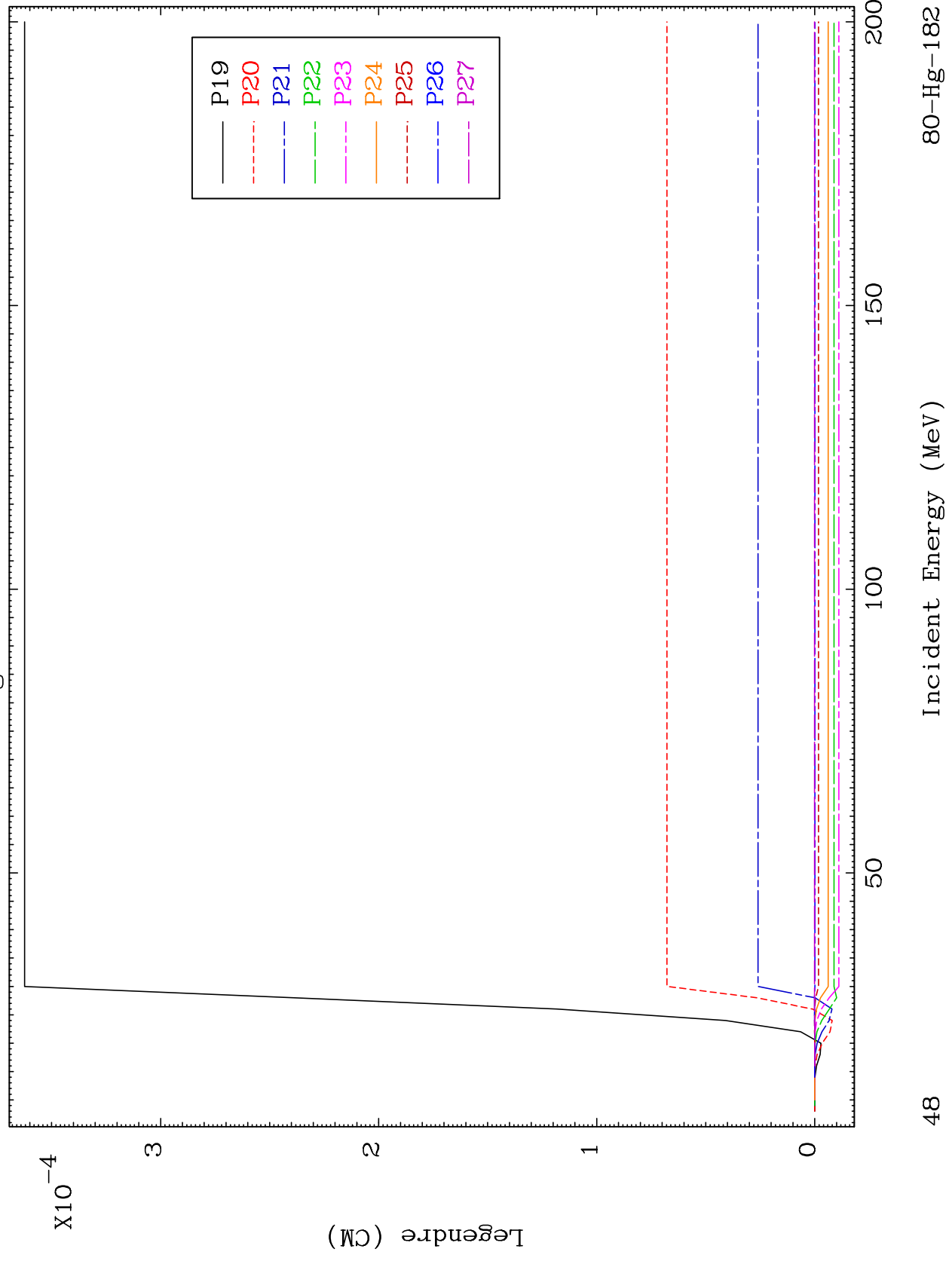
Incident Energy (MeV)

80-Hg-182

MAT 7983

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

80-Hg-182



48

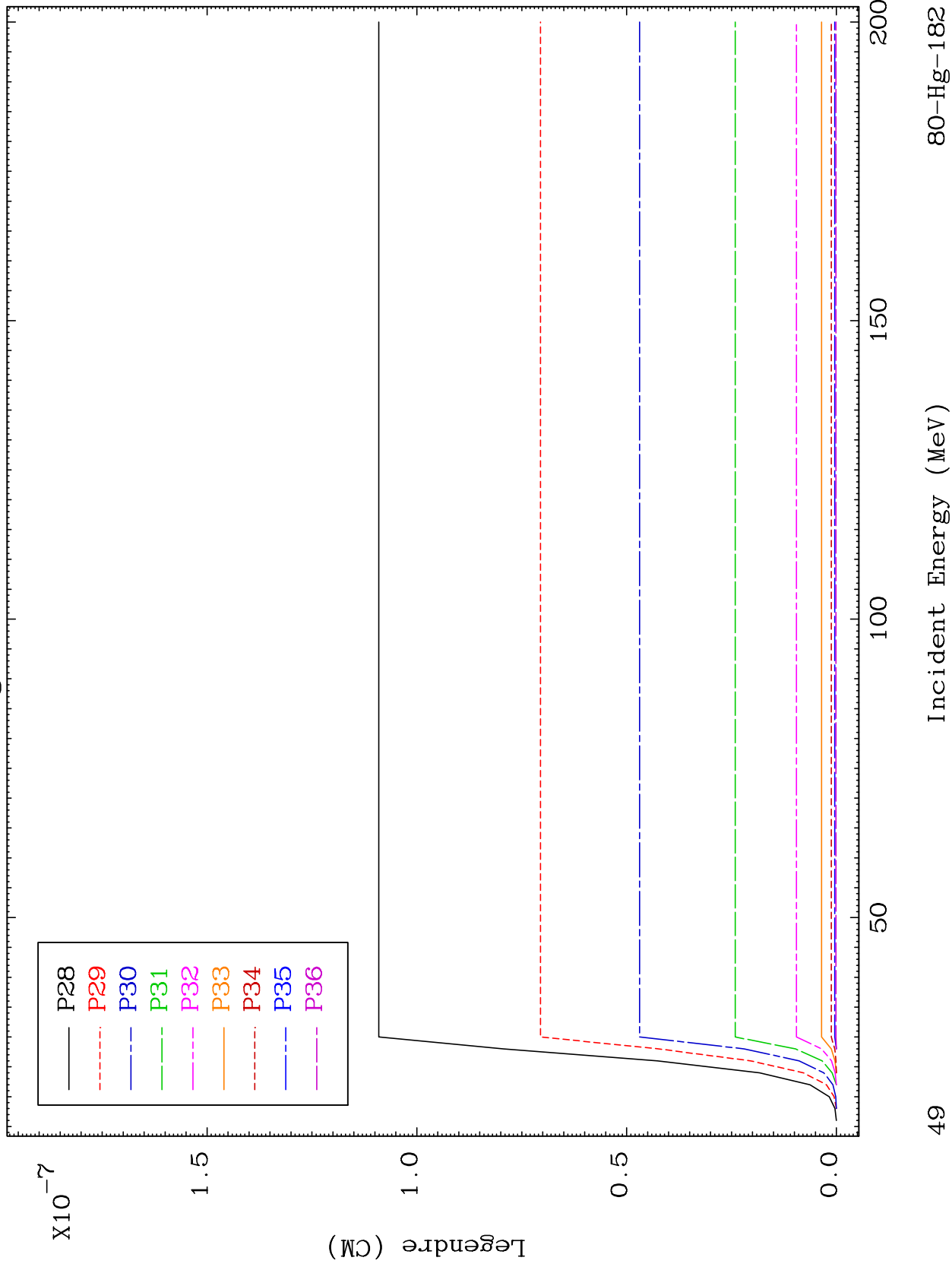
Incident Energy (MeV)

80-Hg-182

MAT 7983

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

80-Hg-182



49

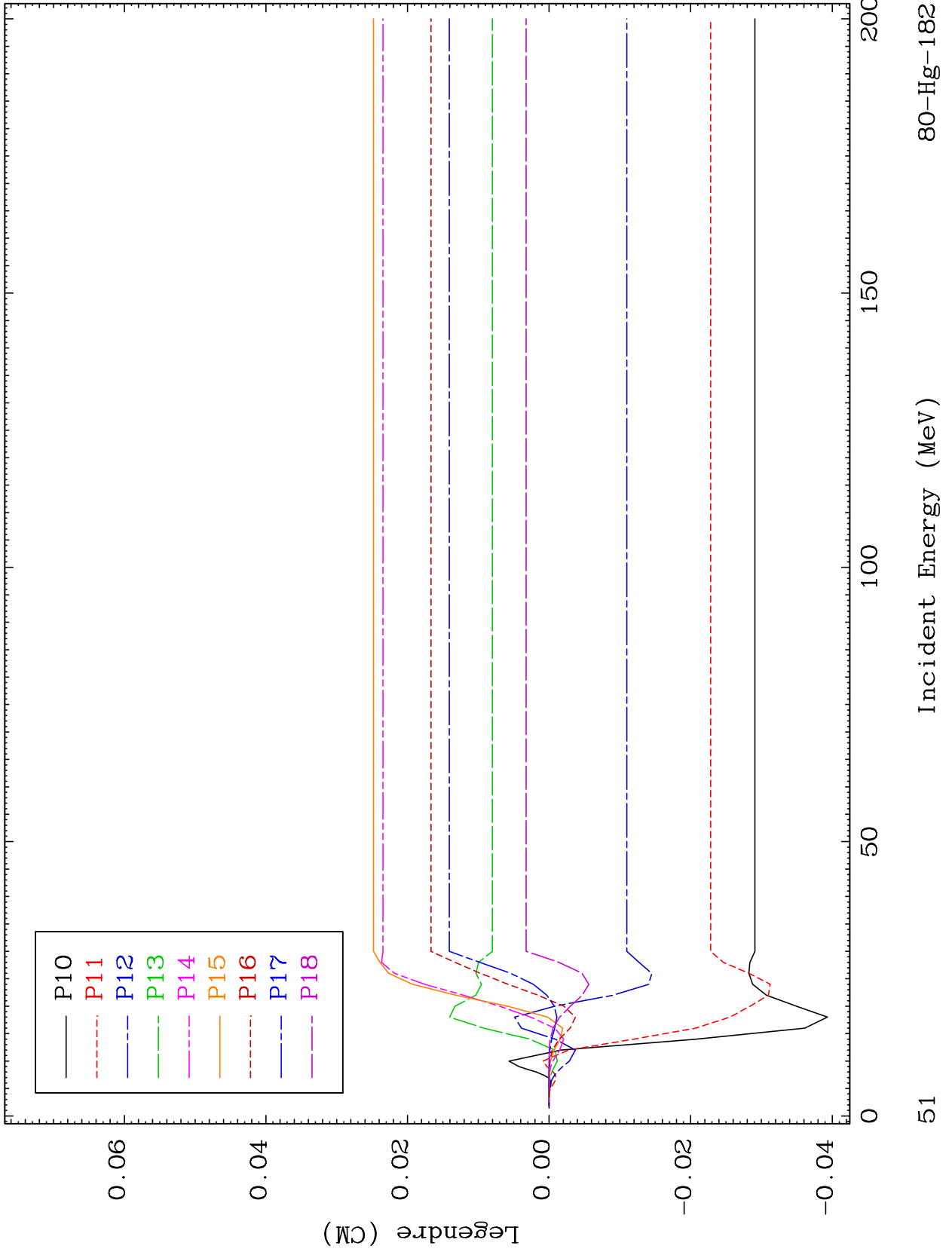
Incident Energy (MeV)

80-Hg-182

MAT 7983

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

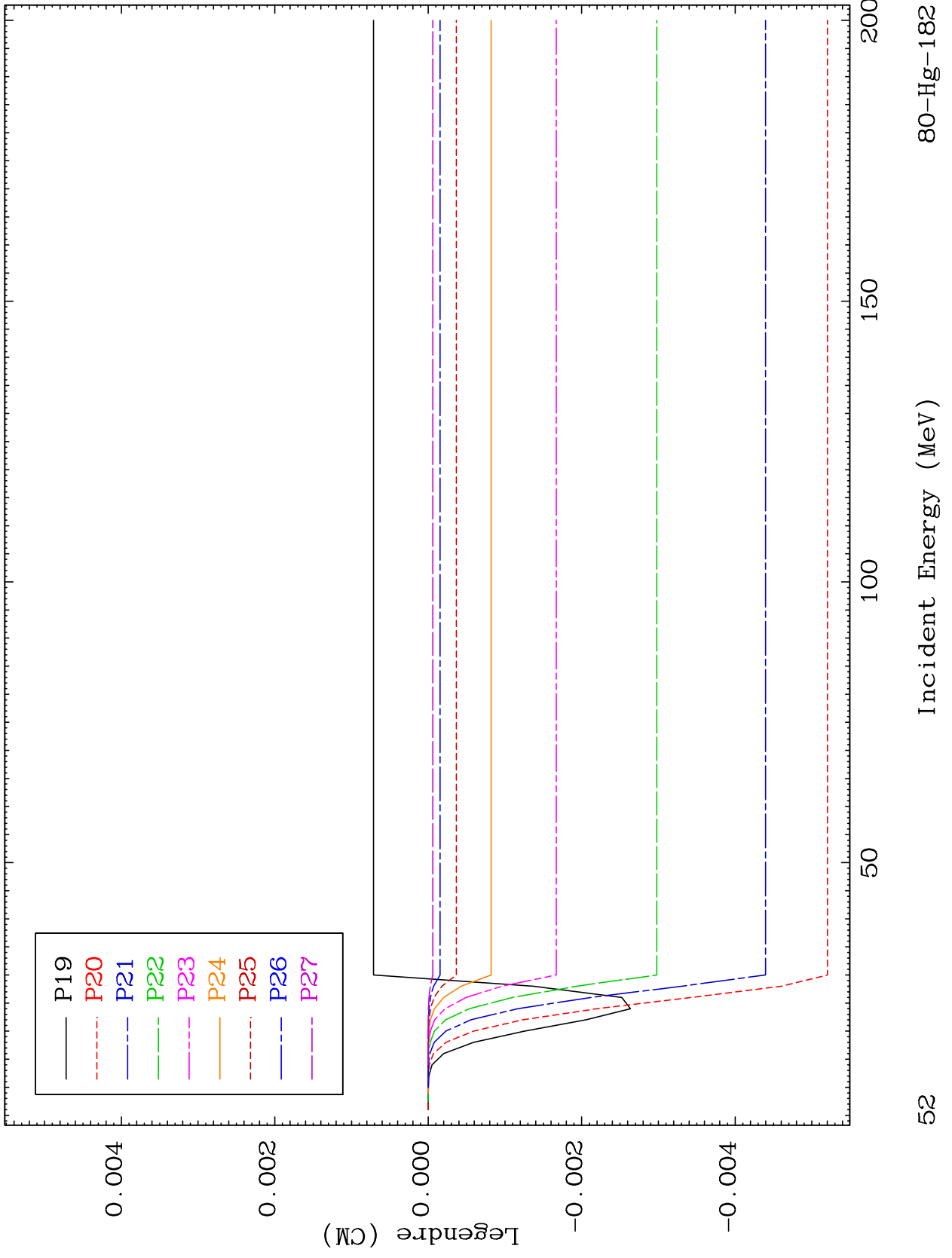
80-Hg-182

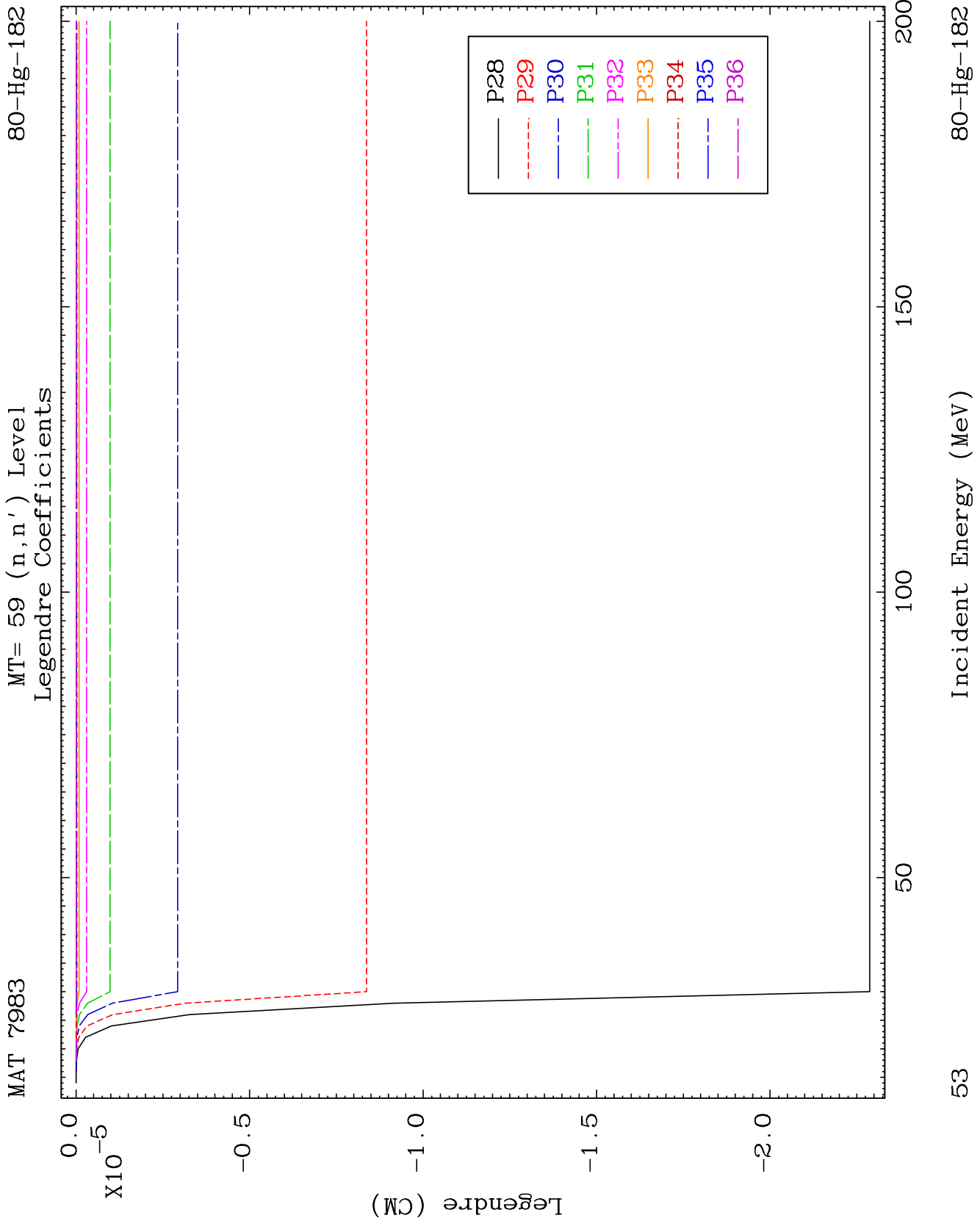


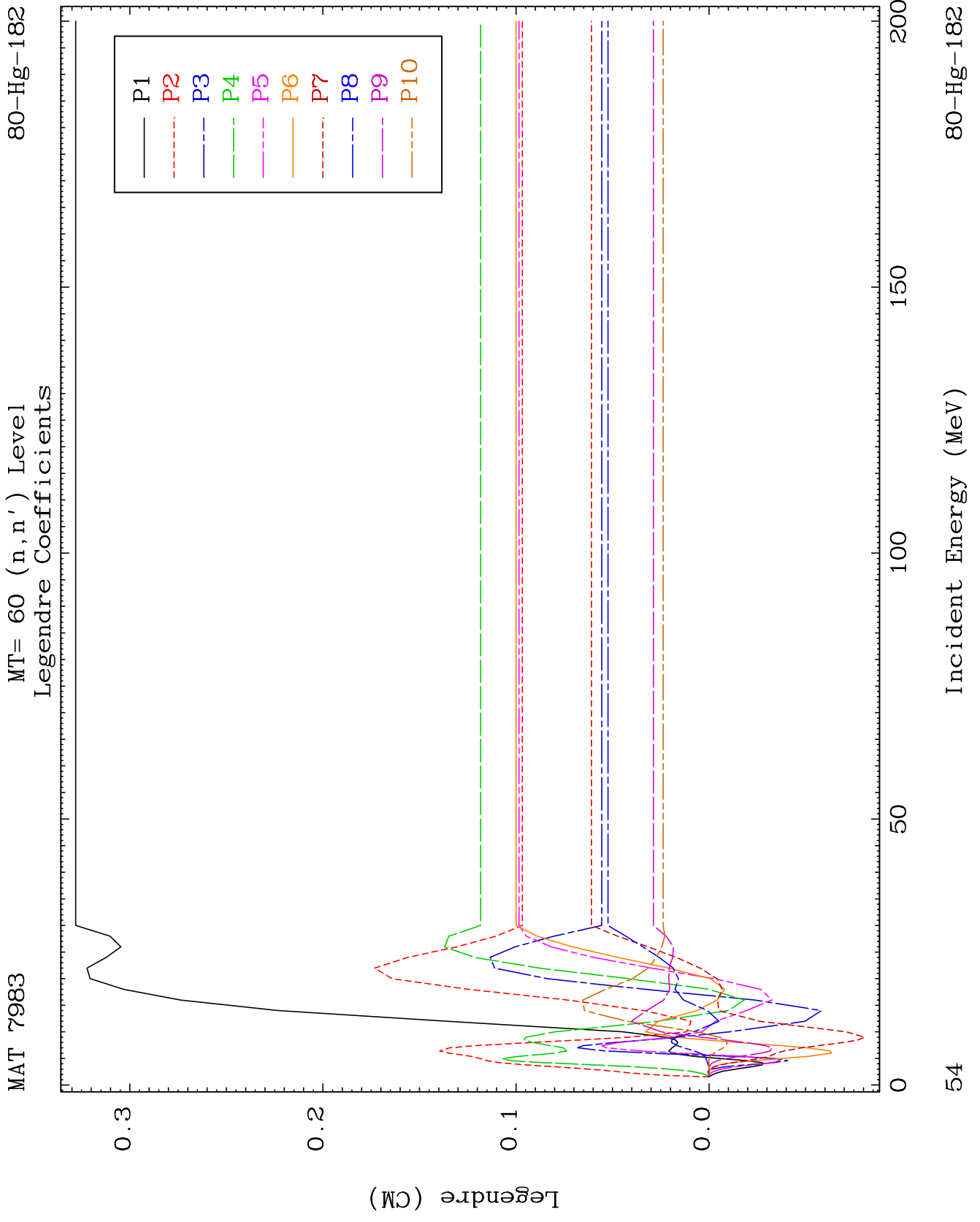
MAT 7983

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

80-Hg-182



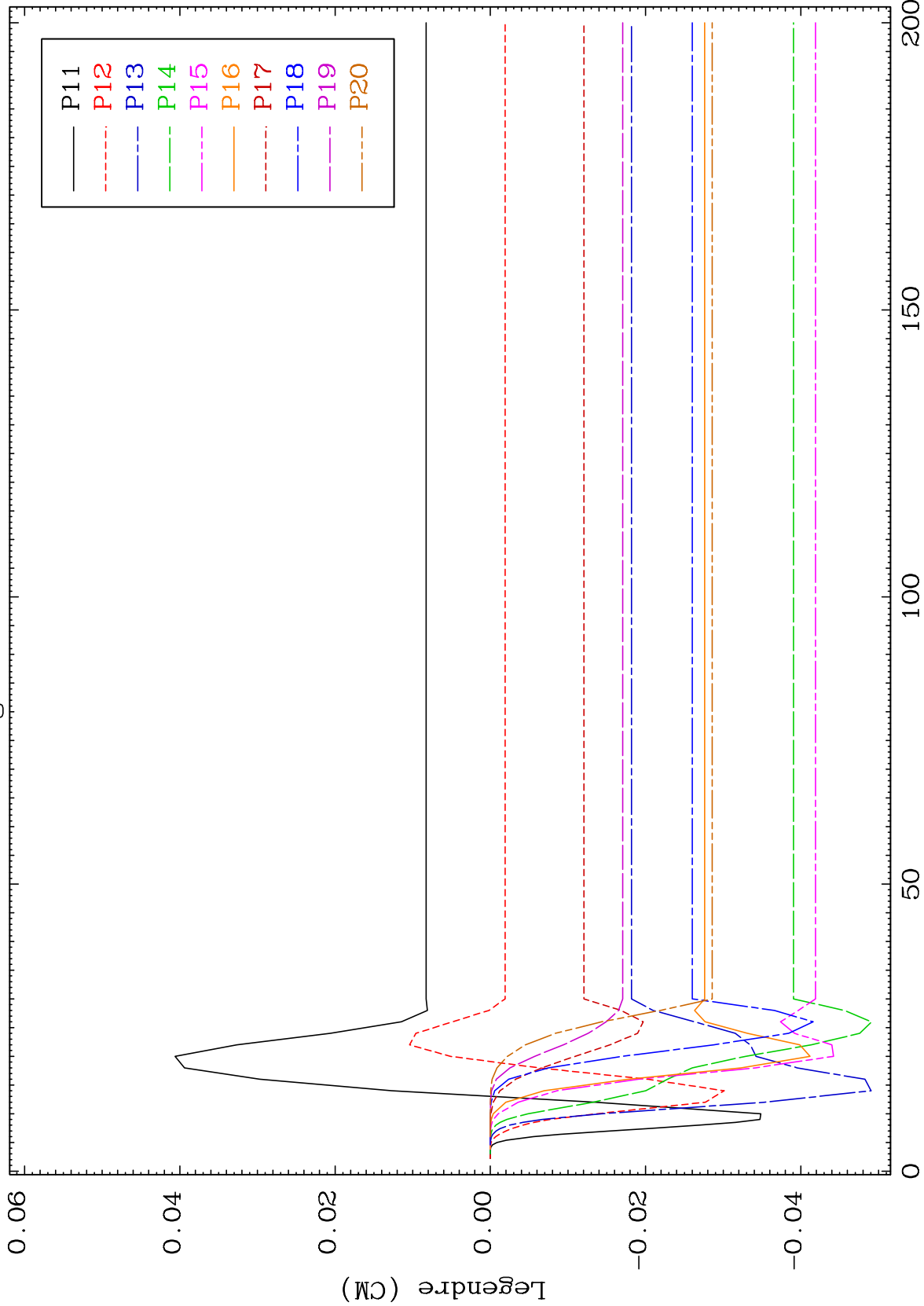




MAT 7983

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

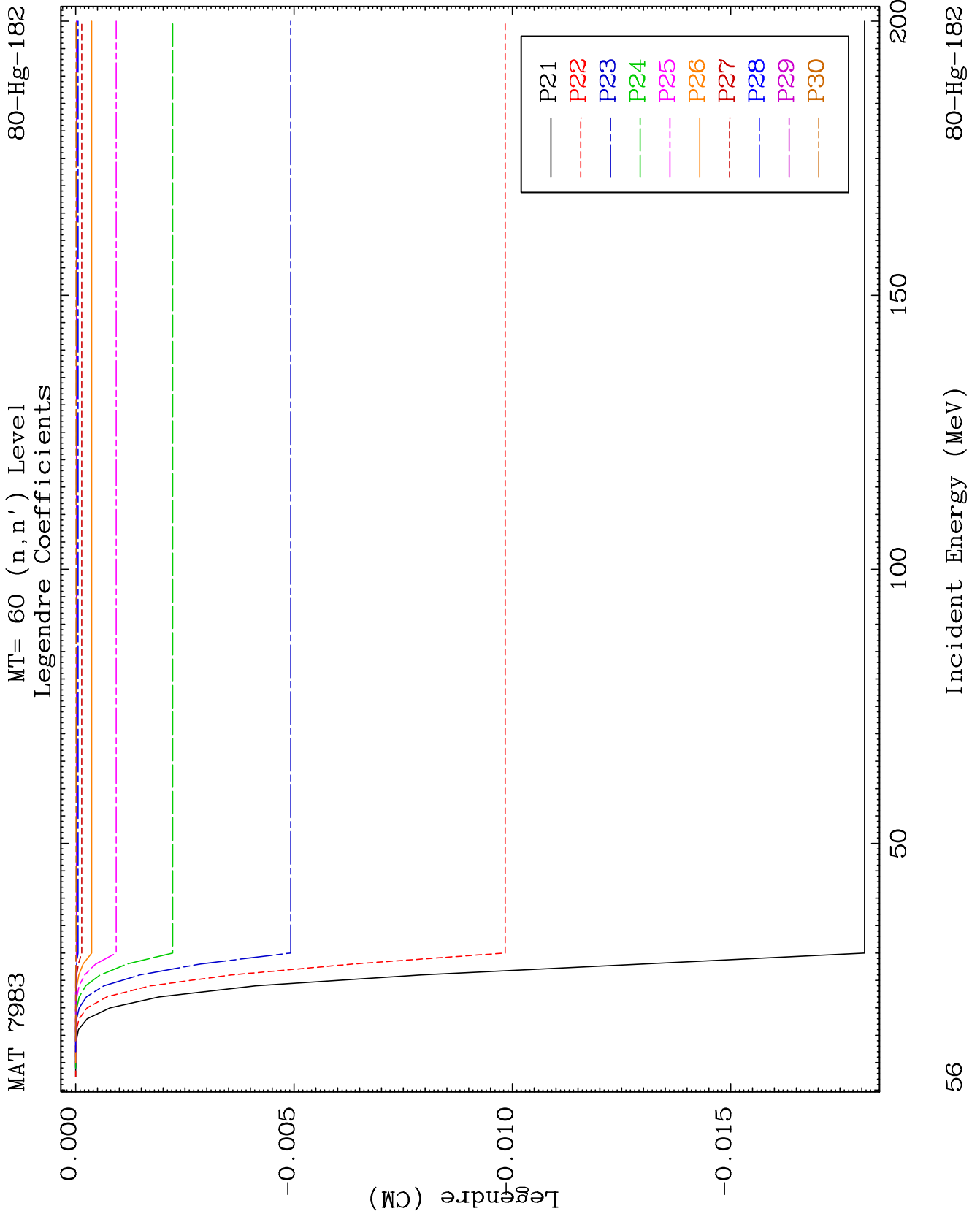
80-Hg-182

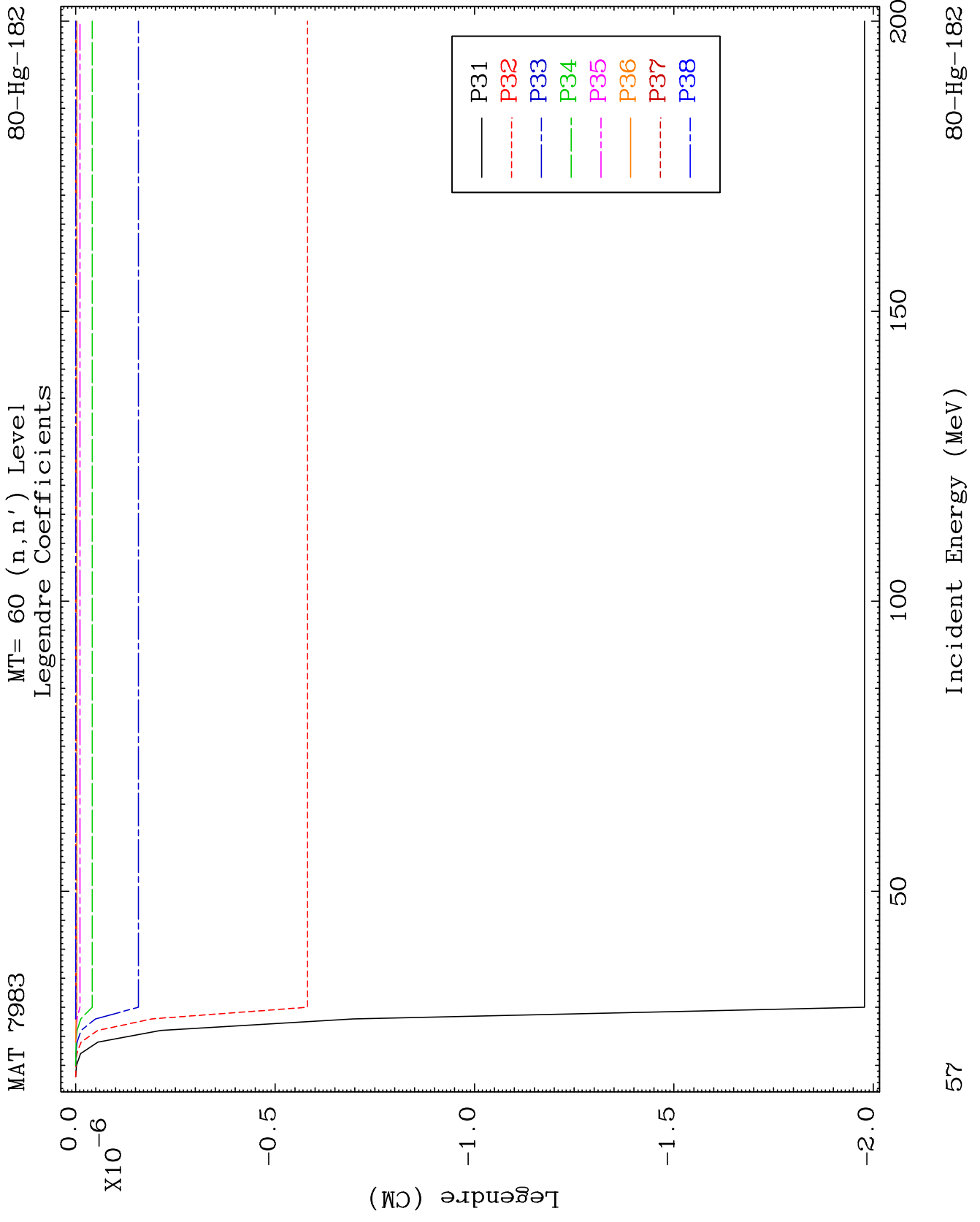


80-Hg-182

Incident Energy (MeV)

55





MAT 7983

Fission

80-Hg-182

Radionuclide Production Cross Section

