

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

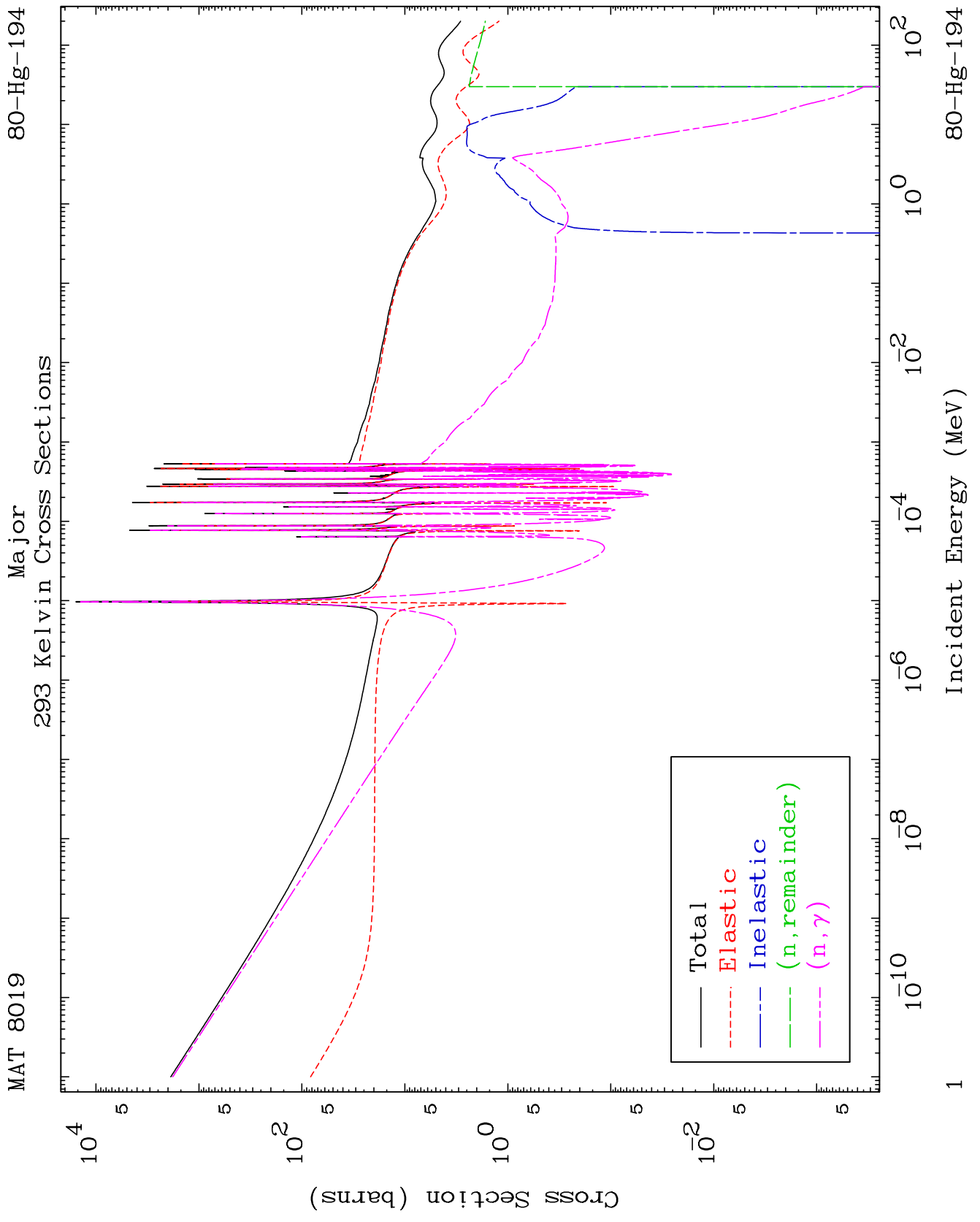
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

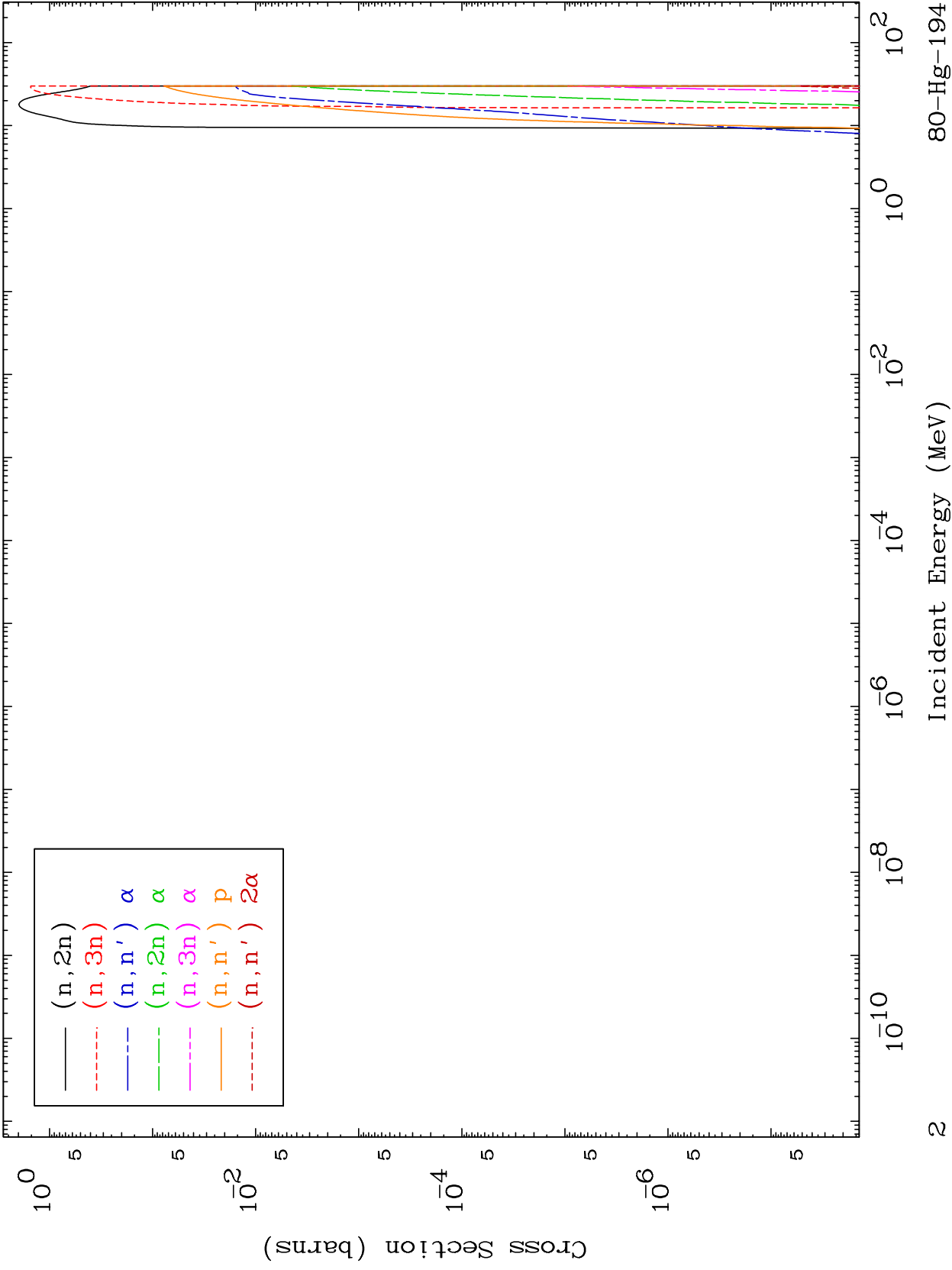
Press Mouse Button to Start

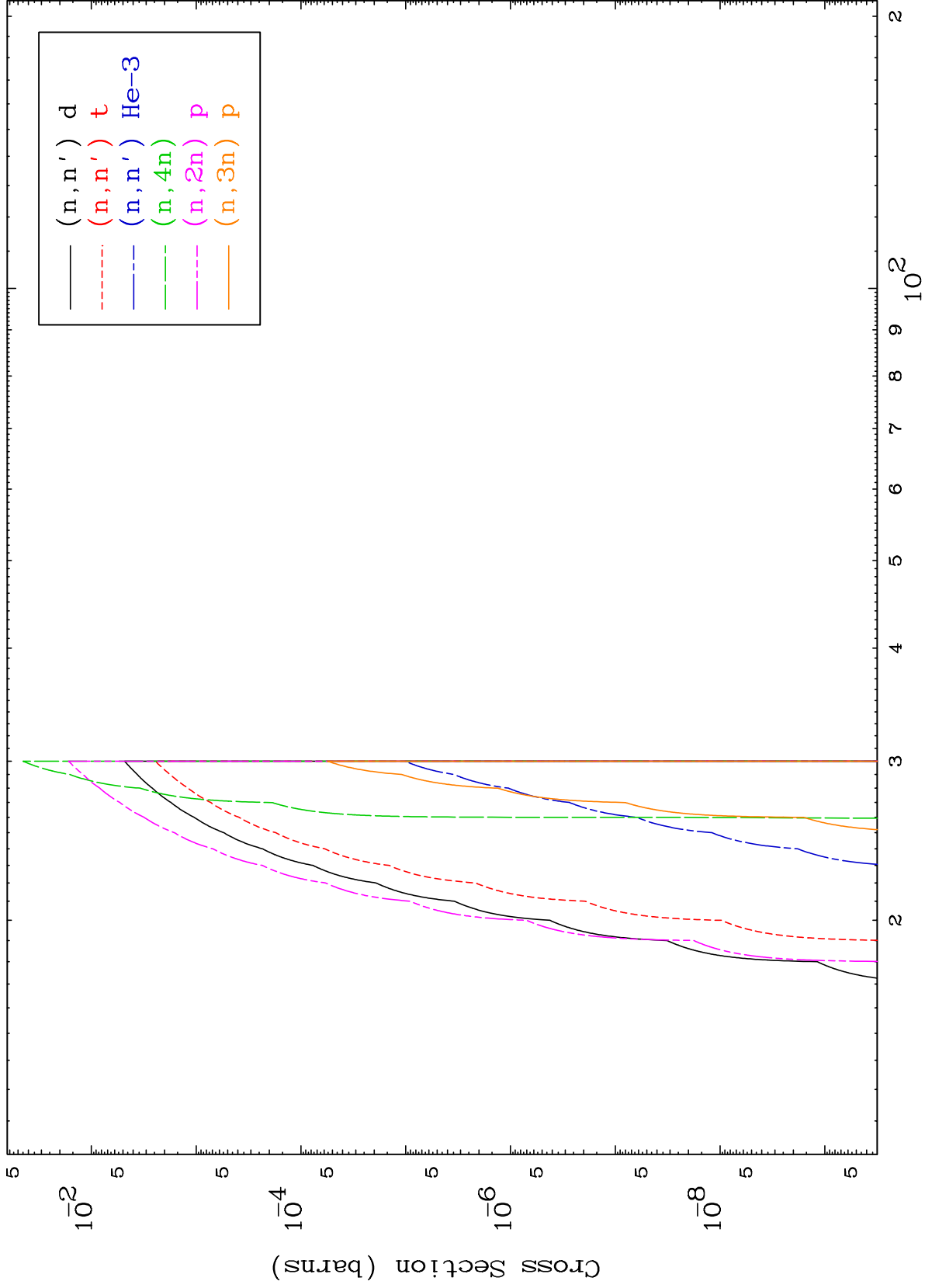


MAT 8019

Neutron Production  
293 Kelvin Cross Sections

80-Hg-194

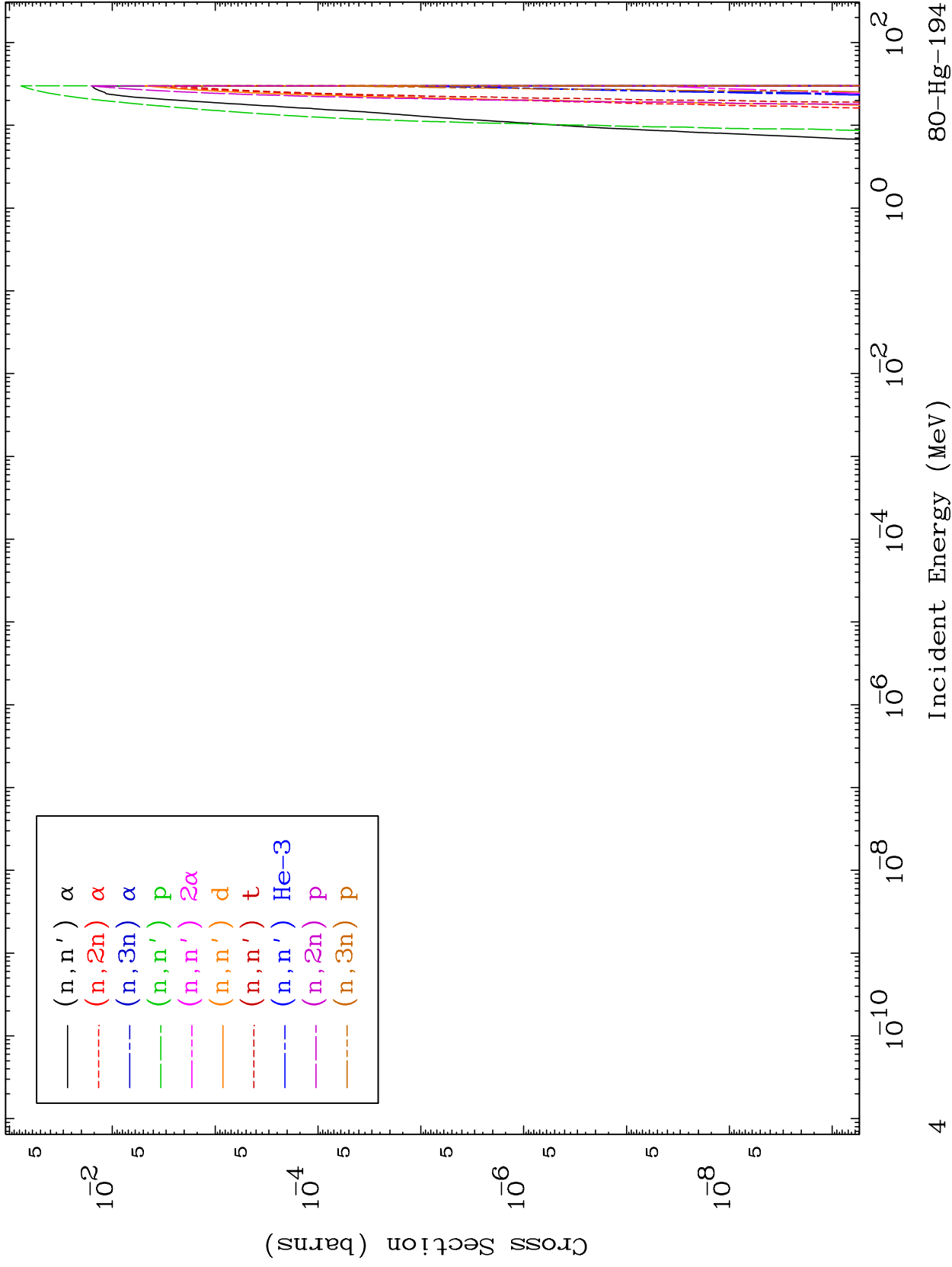




MAT 8019

Charged Particle  
293 Kelvin Cross Sections

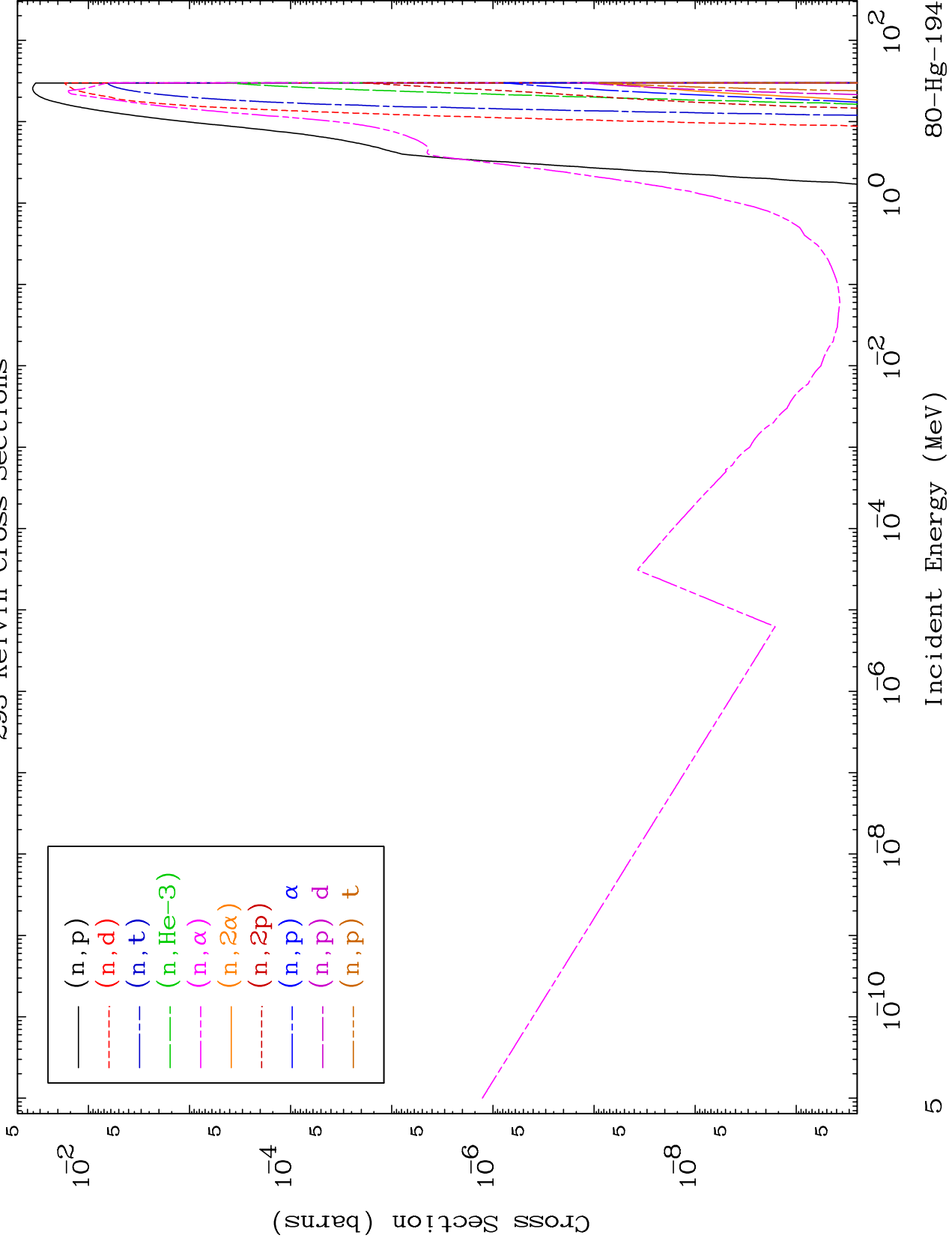
80-Hg-194



MAT 8019

Charged Particle  
293 Kelvin Cross Sections

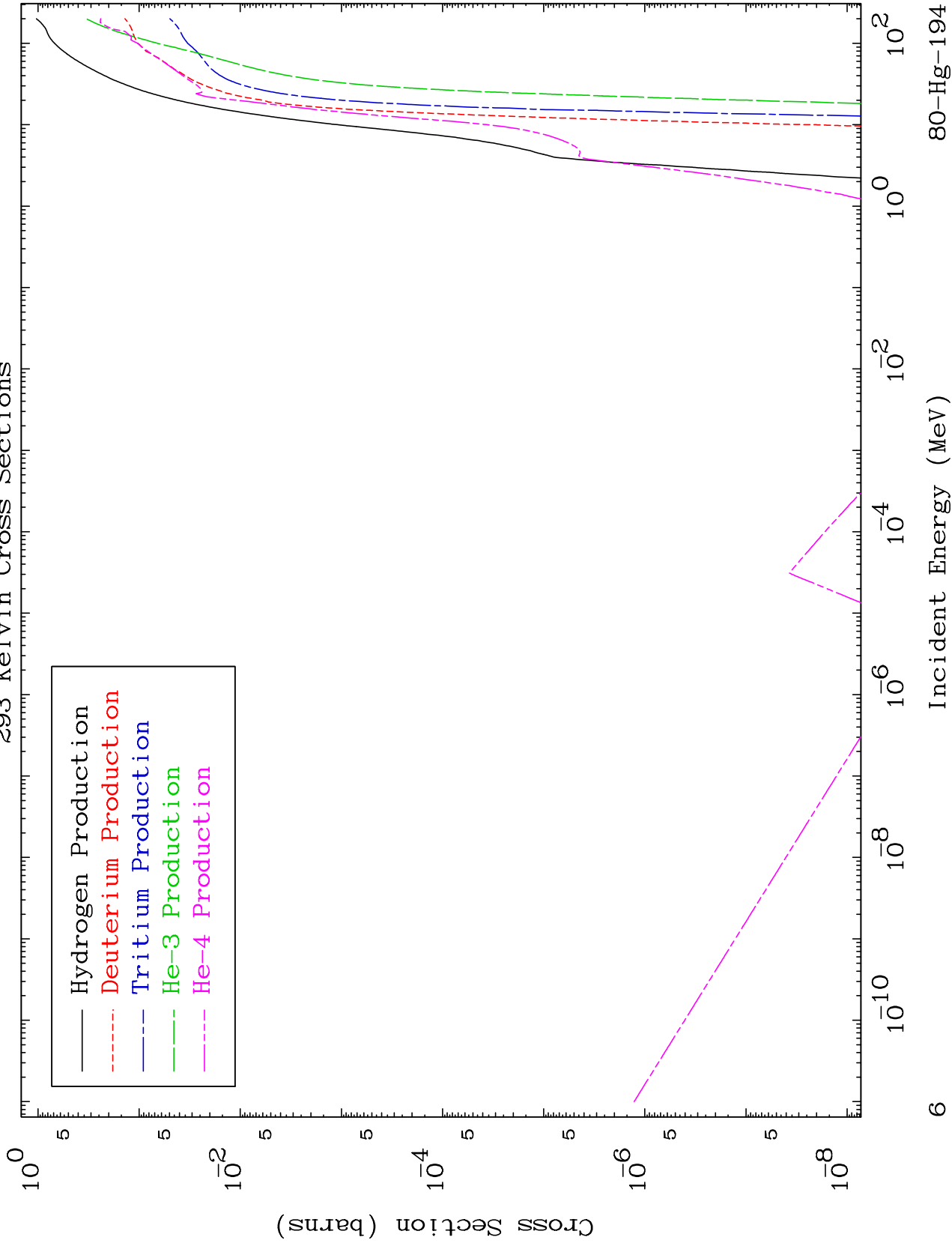
80-Hg-194



MAT 8019

Particle Production  
293 Kelvin Cross Sections

80-Hg-194

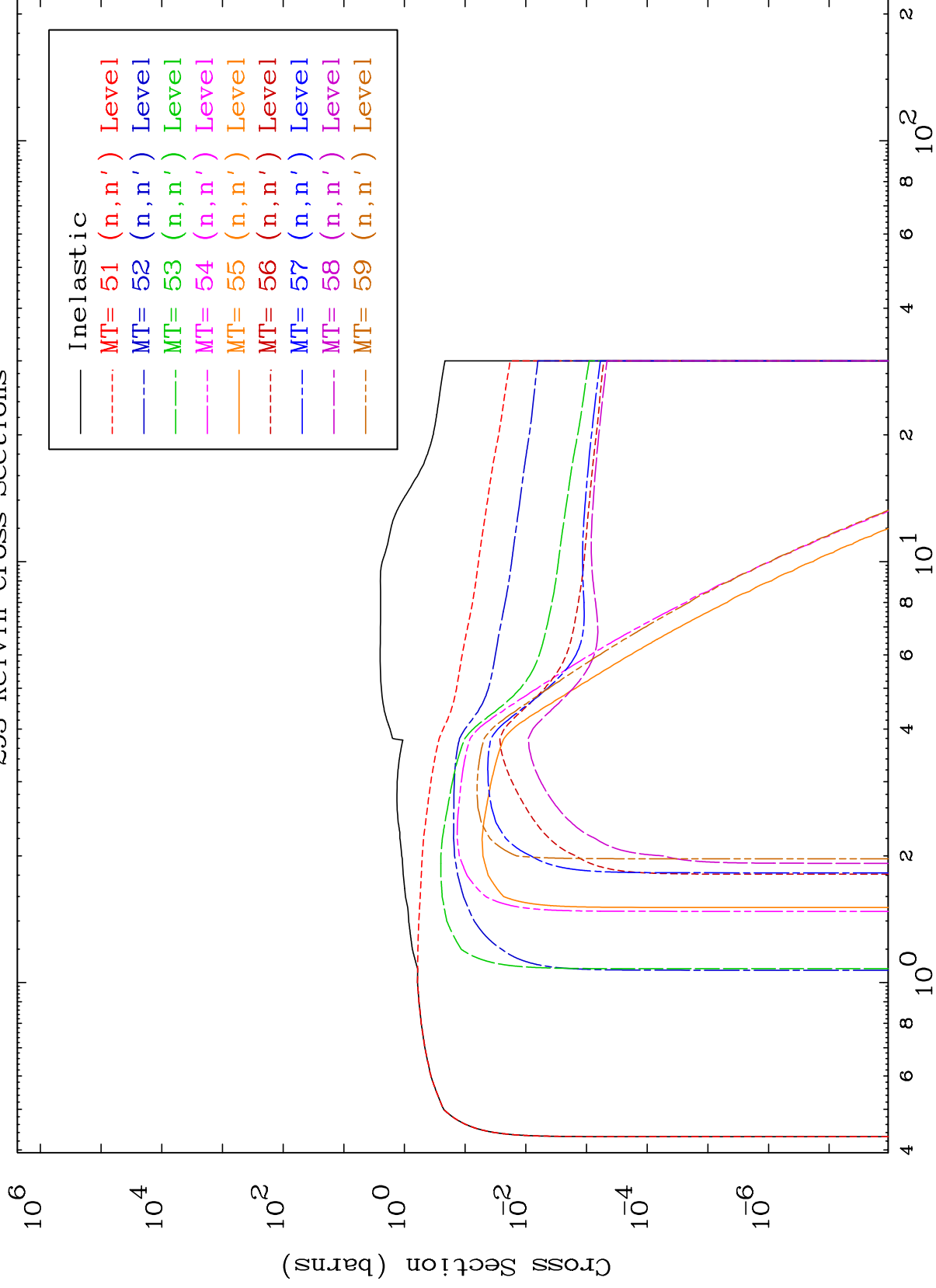


MAT 8019

(n,n') Level

80-Hg-194

293 Kelvin Cross Sections



7

Incident Energy (MeV)

80-Hg-194

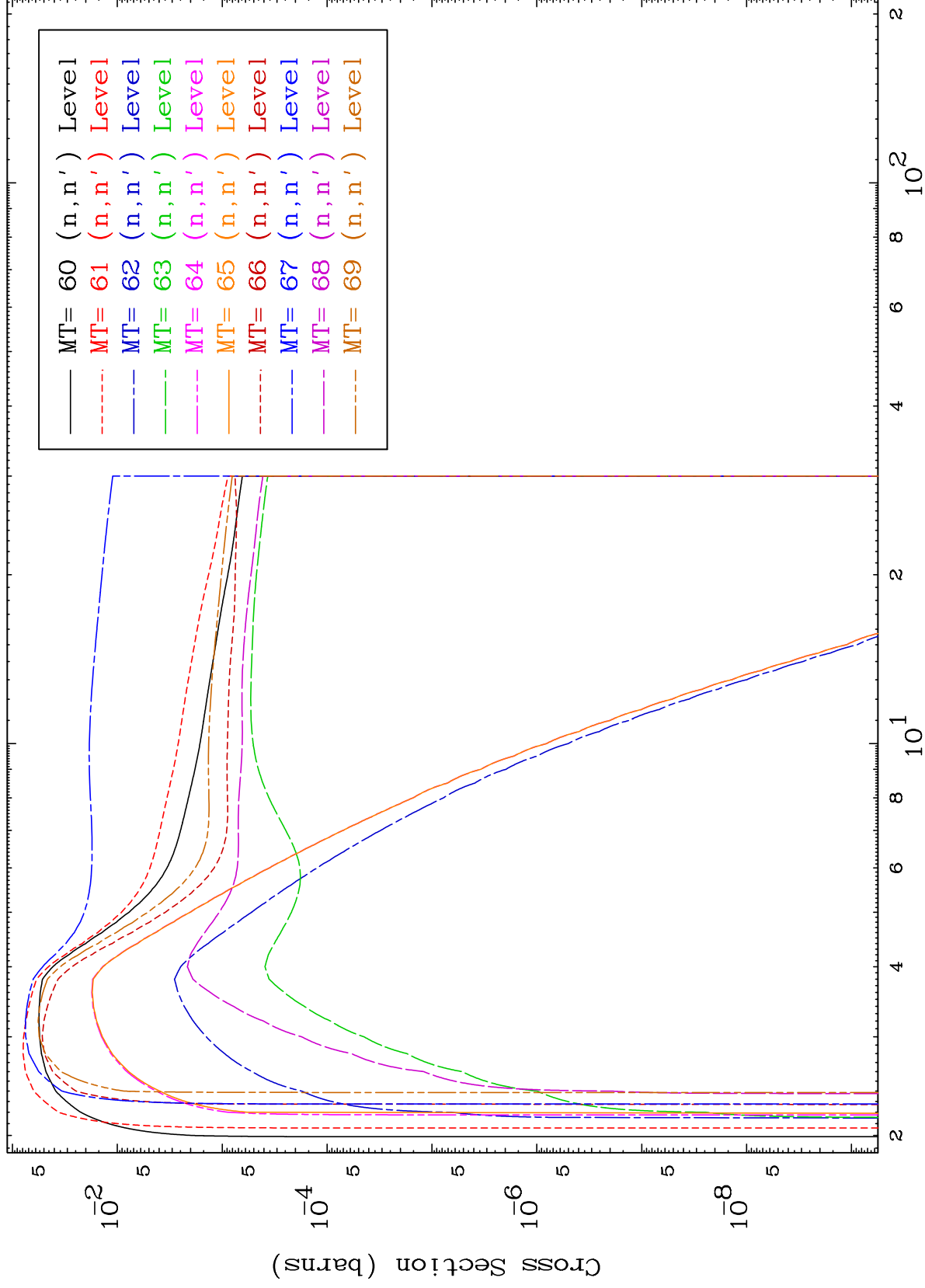


MAT 8019

(n,n') Level

293 Kelvin Cross Sections

80-Hg-194

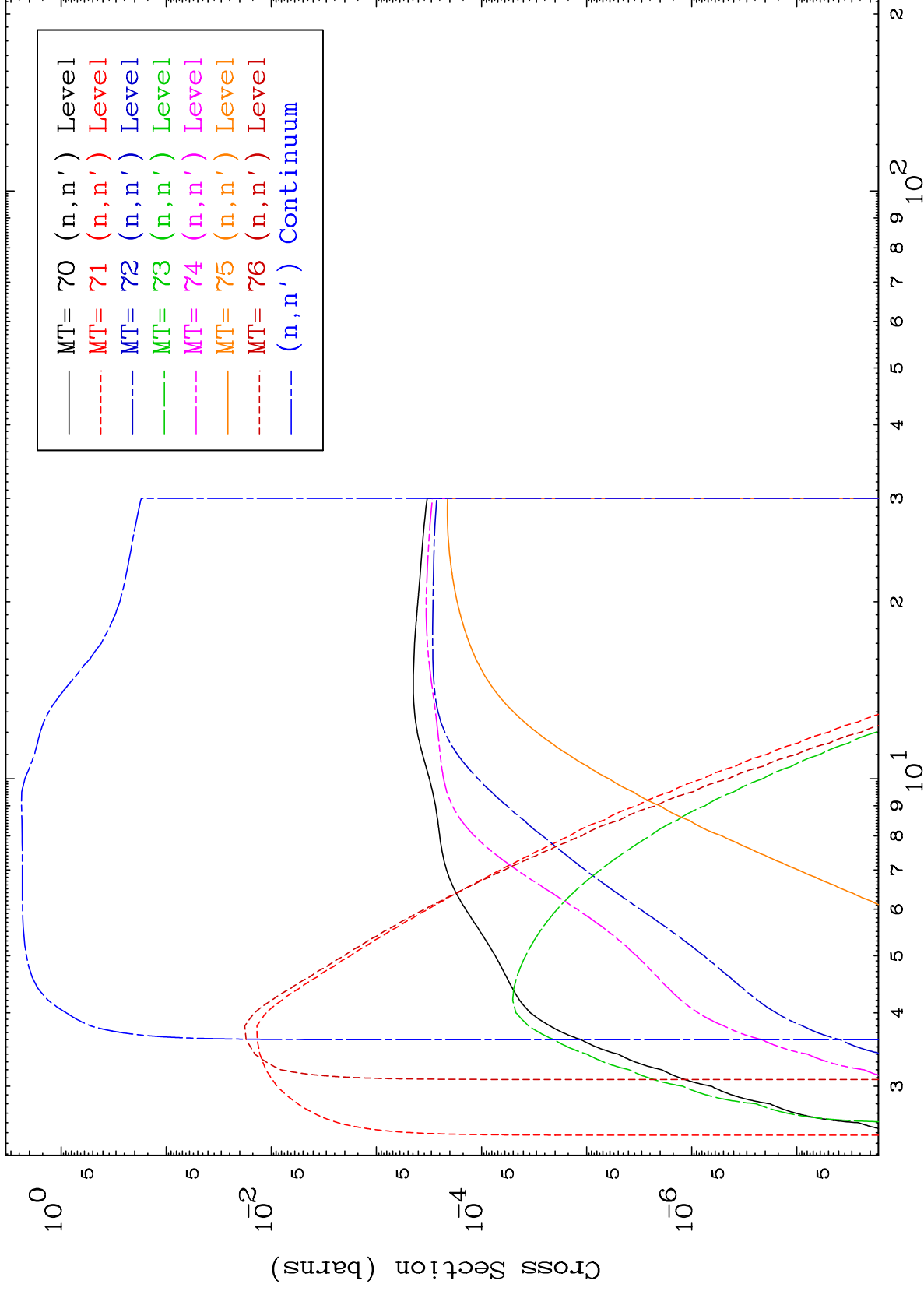


8

Incident Energy (MeV)

80-Hg-194

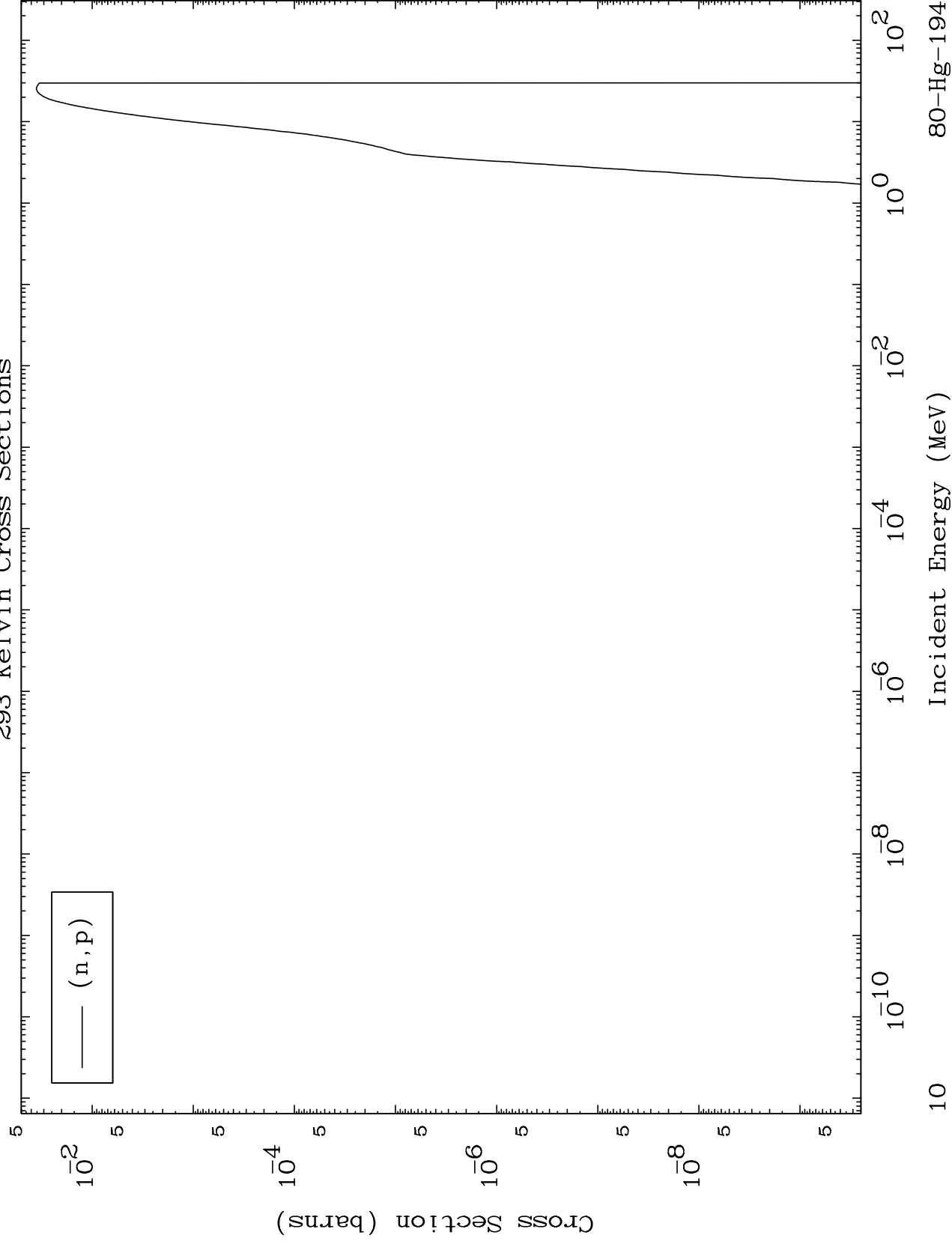
293 Kelvin Cross Sections



MAT 8019

(n,p) Levels  
293 Kelvin Cross Sections

80-Hg-194



10

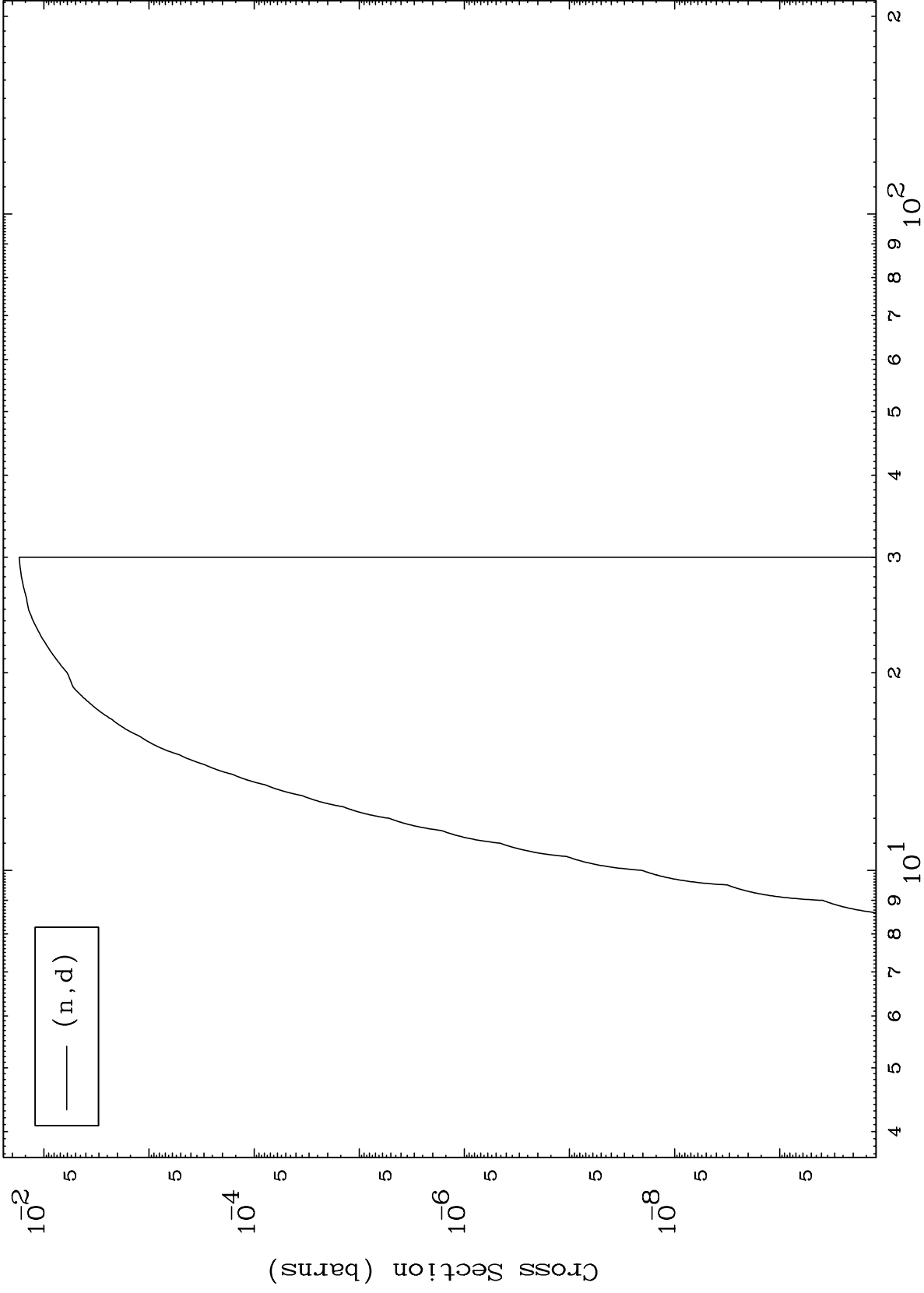
Incident Energy (MeV)

80-Hg-194

MAT 8019

(n,d) Levels  
293 Kelvin Cross Sections

80-Hg-194



11

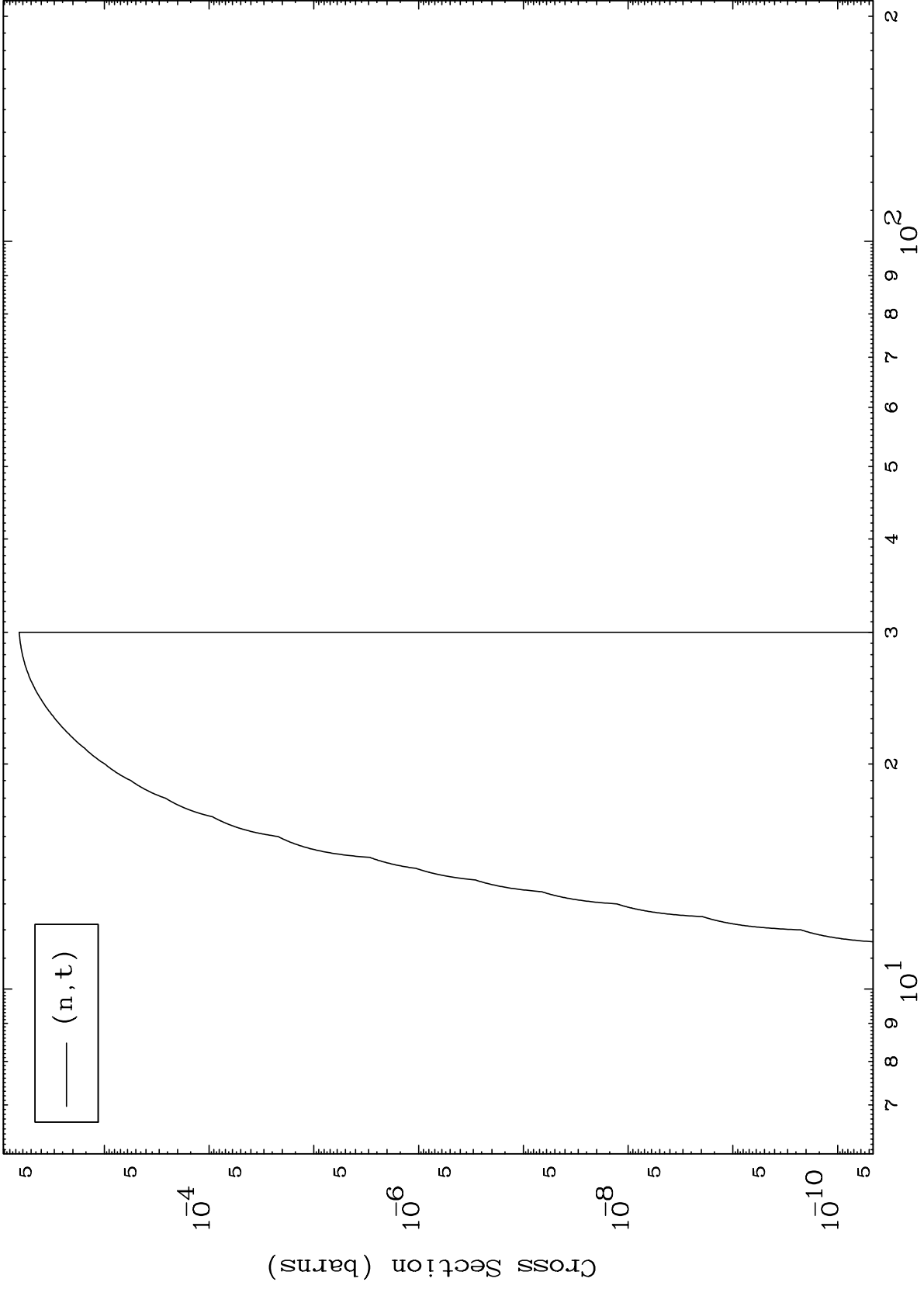
Incident Energy (MeV)

80-Hg-194

MAT 8019

(n, t) Levels  
293 Kelvin Cross Sections

80-Hg-194



12

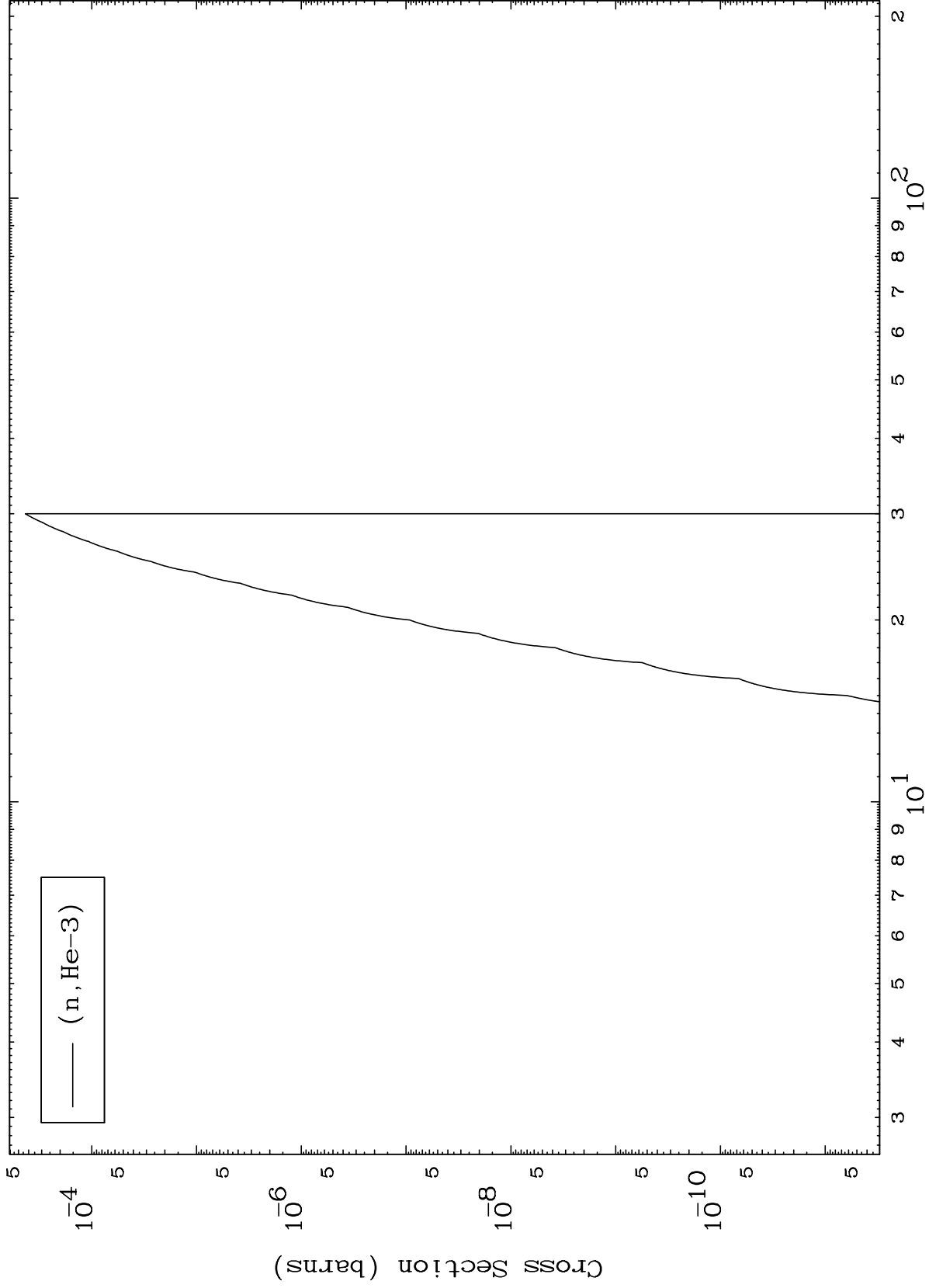
Incident Energy (MeV)

80-Hg-194

MAT 8019

(n,He3) Levels  
293 Kelvin Cross Sections

80-Hg-194



13

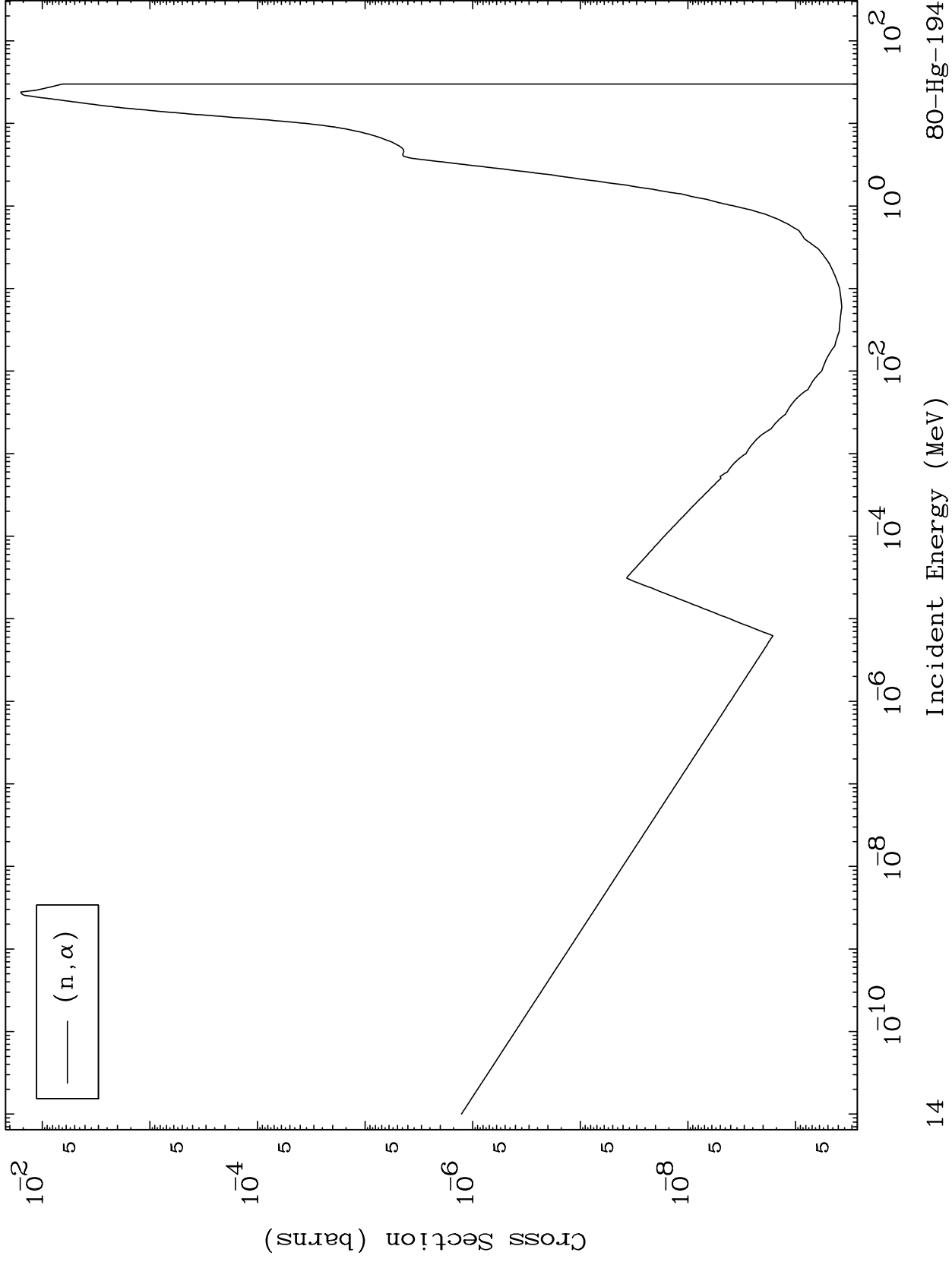
Incident Energy (MeV)

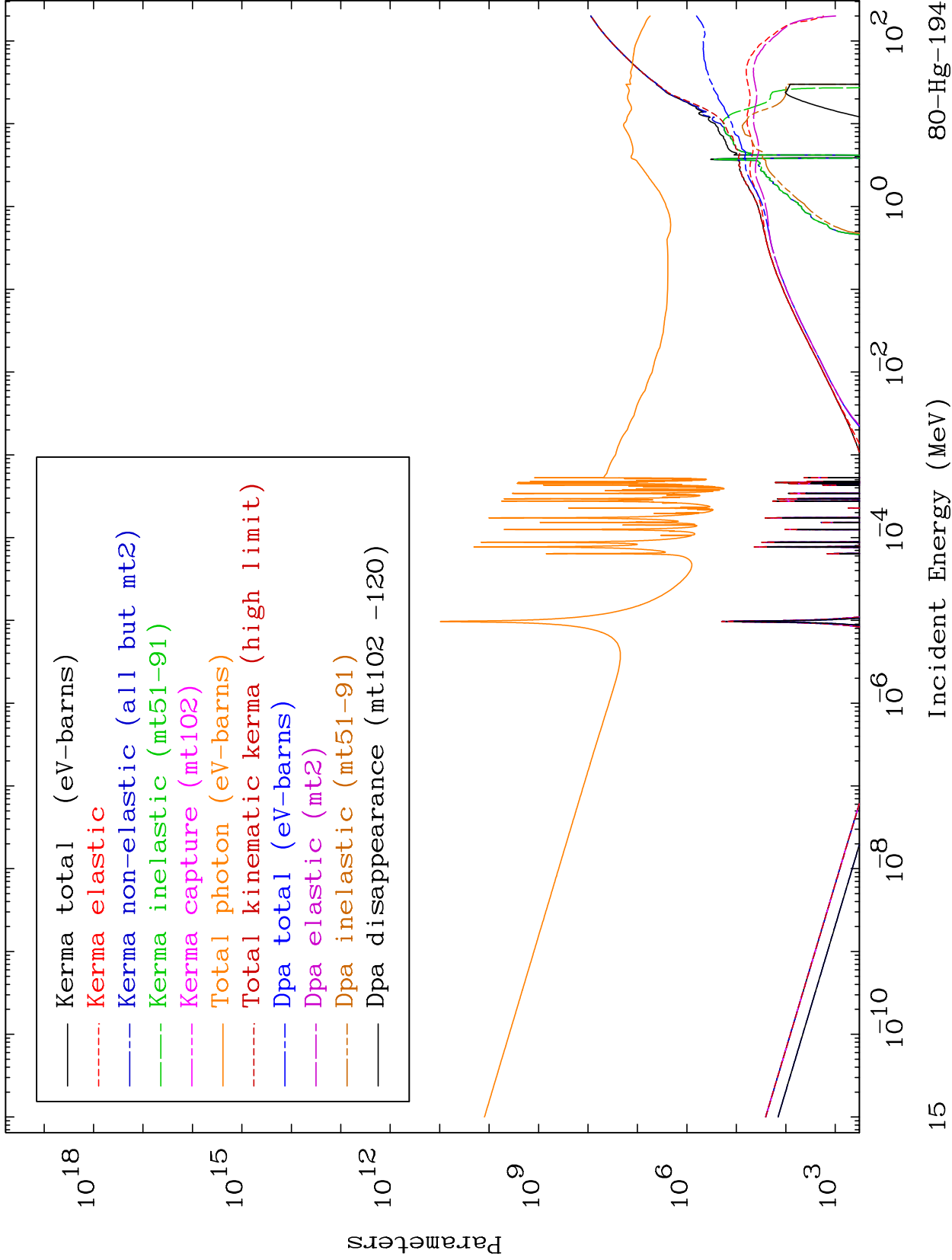
80-Hg-194

MAT 8019

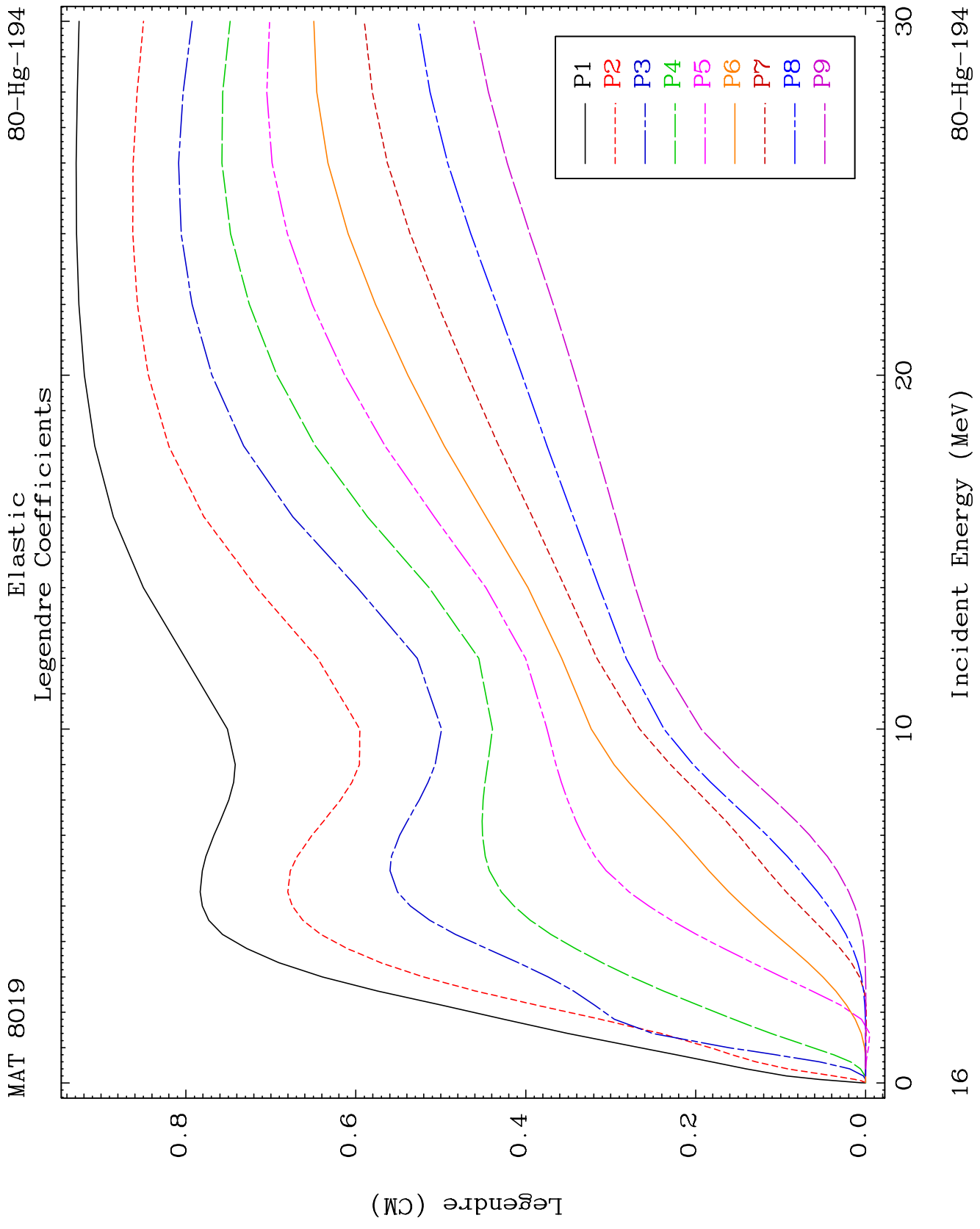
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

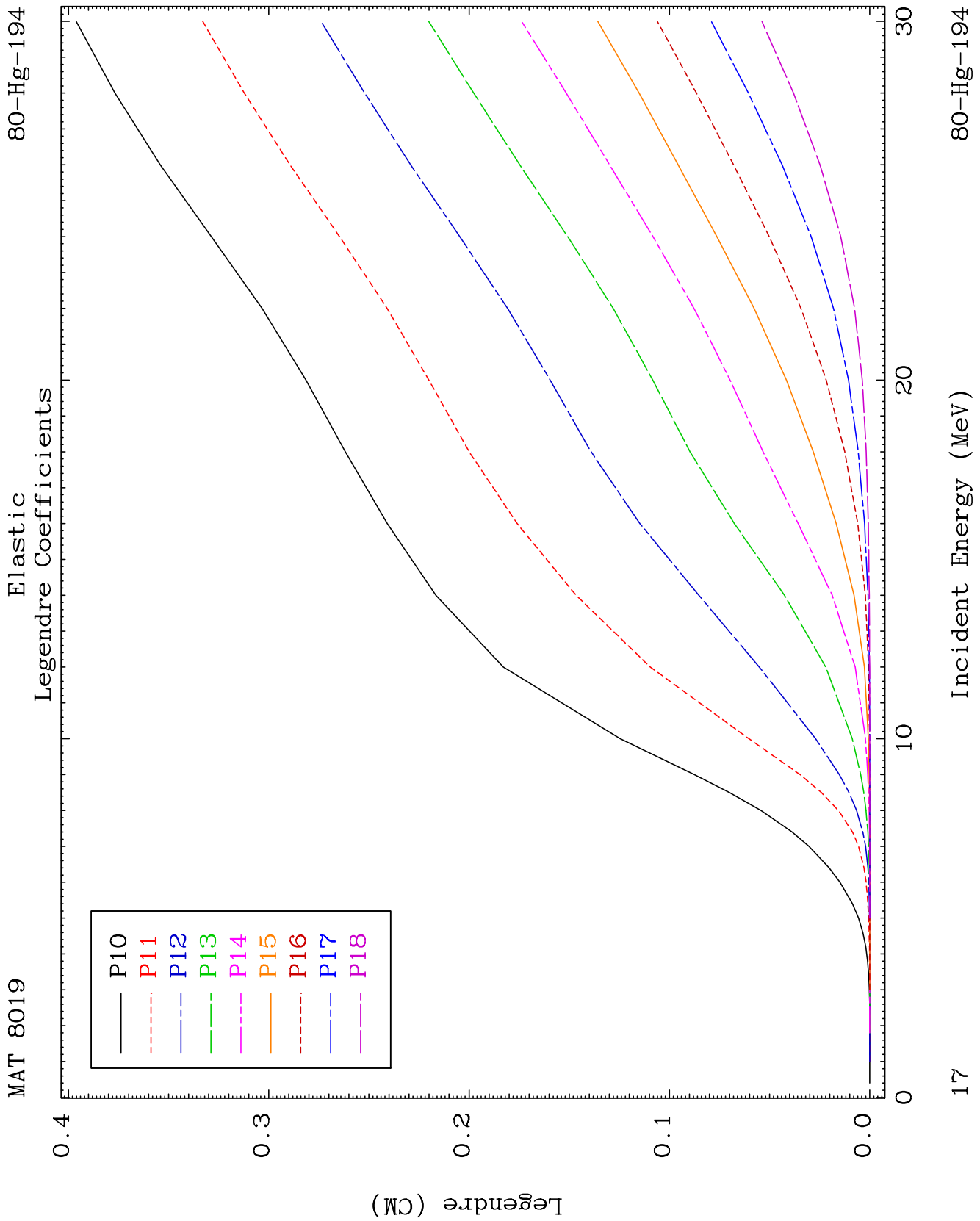
80-Hg-194







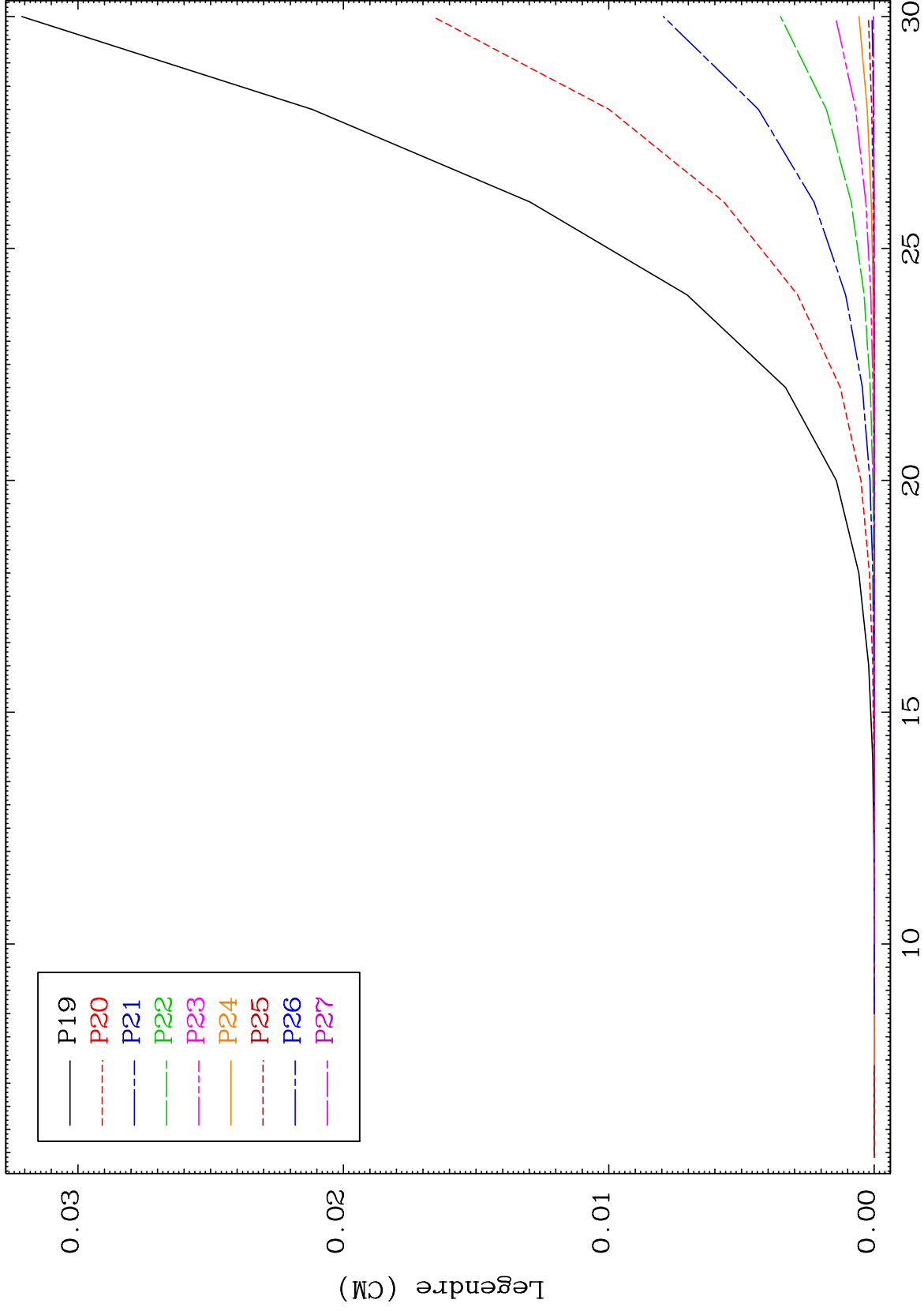




MAT 8019

Elastic Legendre Coefficients

80-Hg-194



18

Incident Energy (MeV)

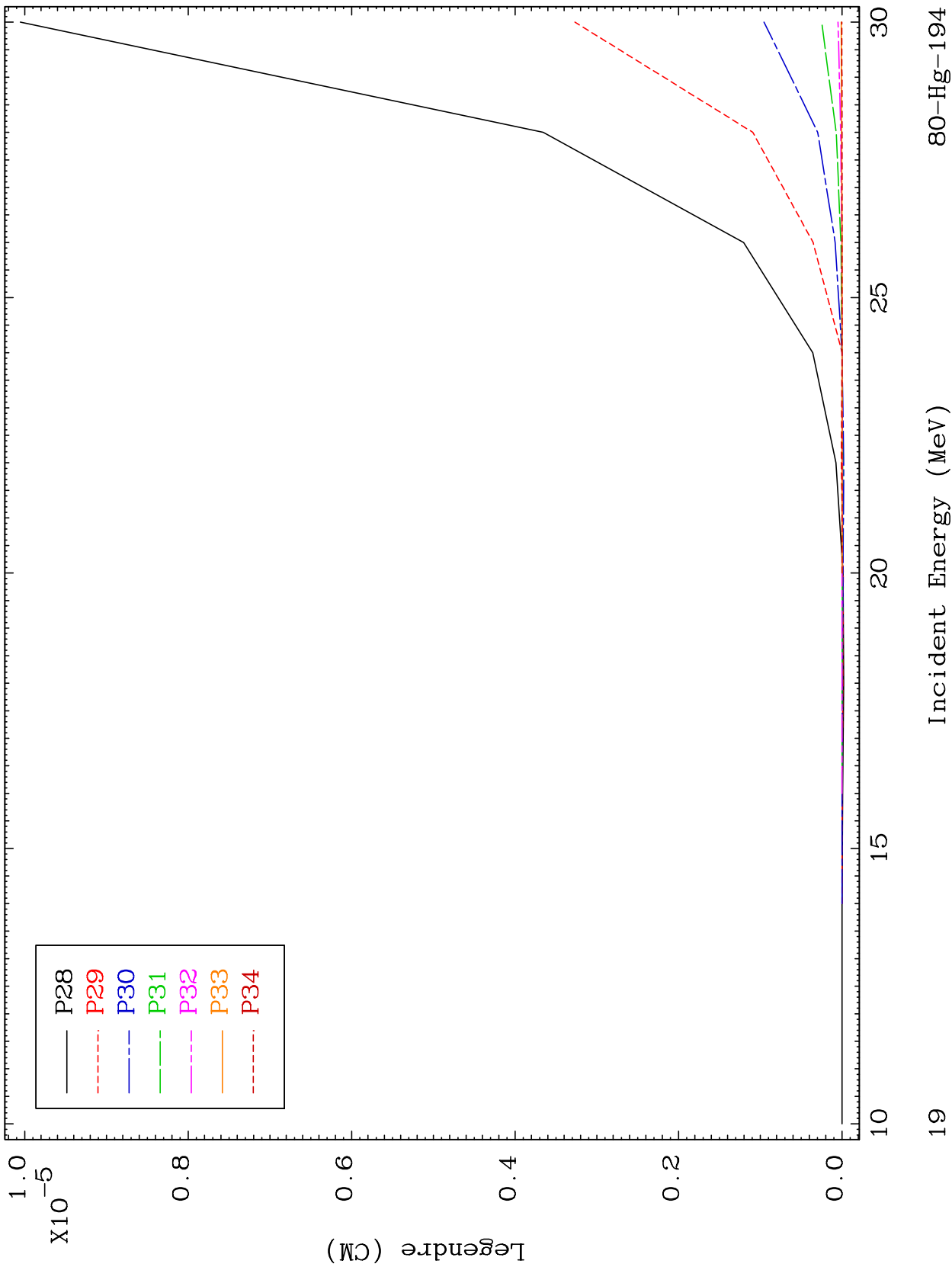
80-Hg-194

30

MAT 8019

Elastic Legendre Coefficients

80-Hg-194



19

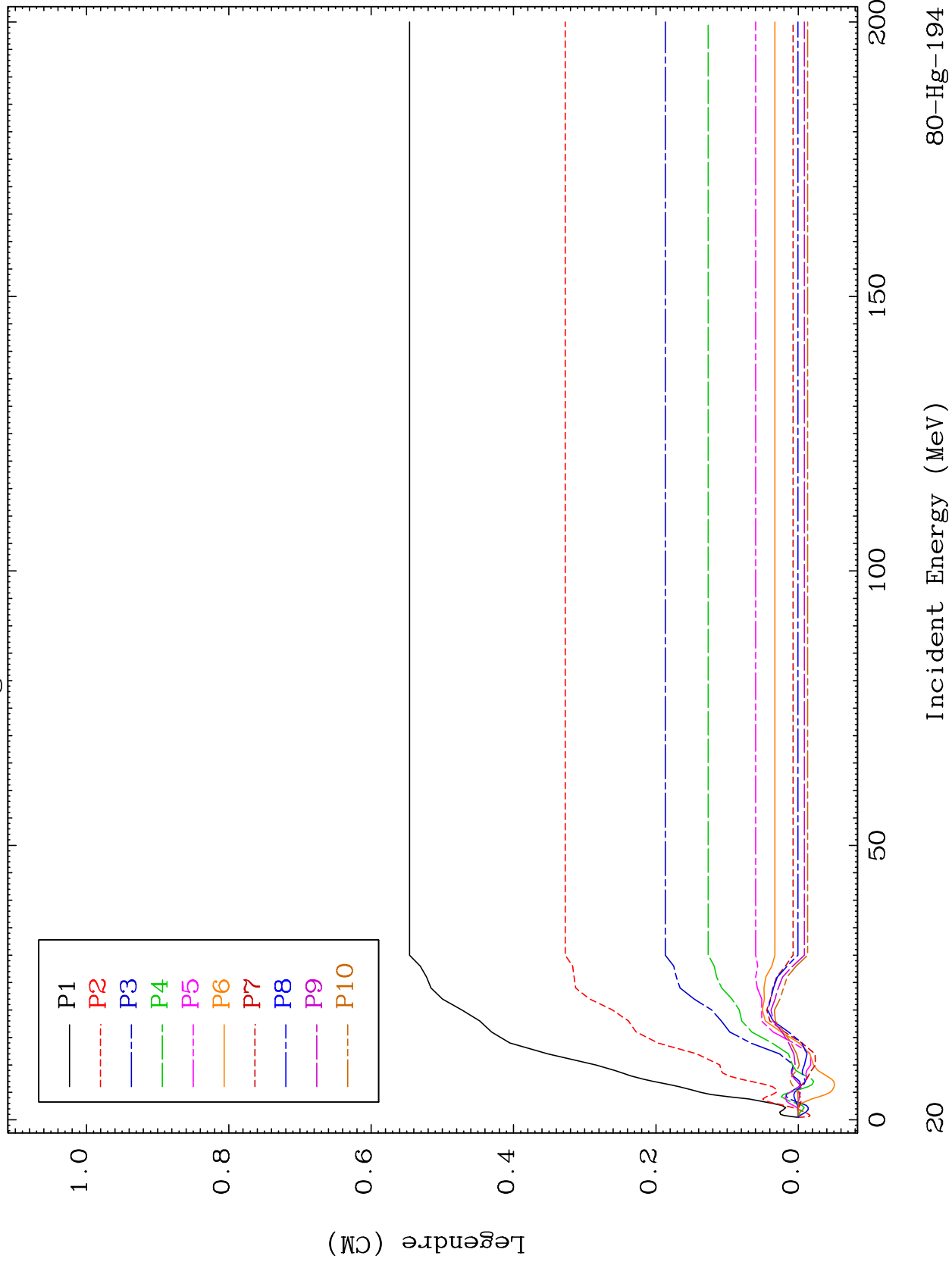
Incident Energy (MeV)

80-Hg-194

MAT 8019

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

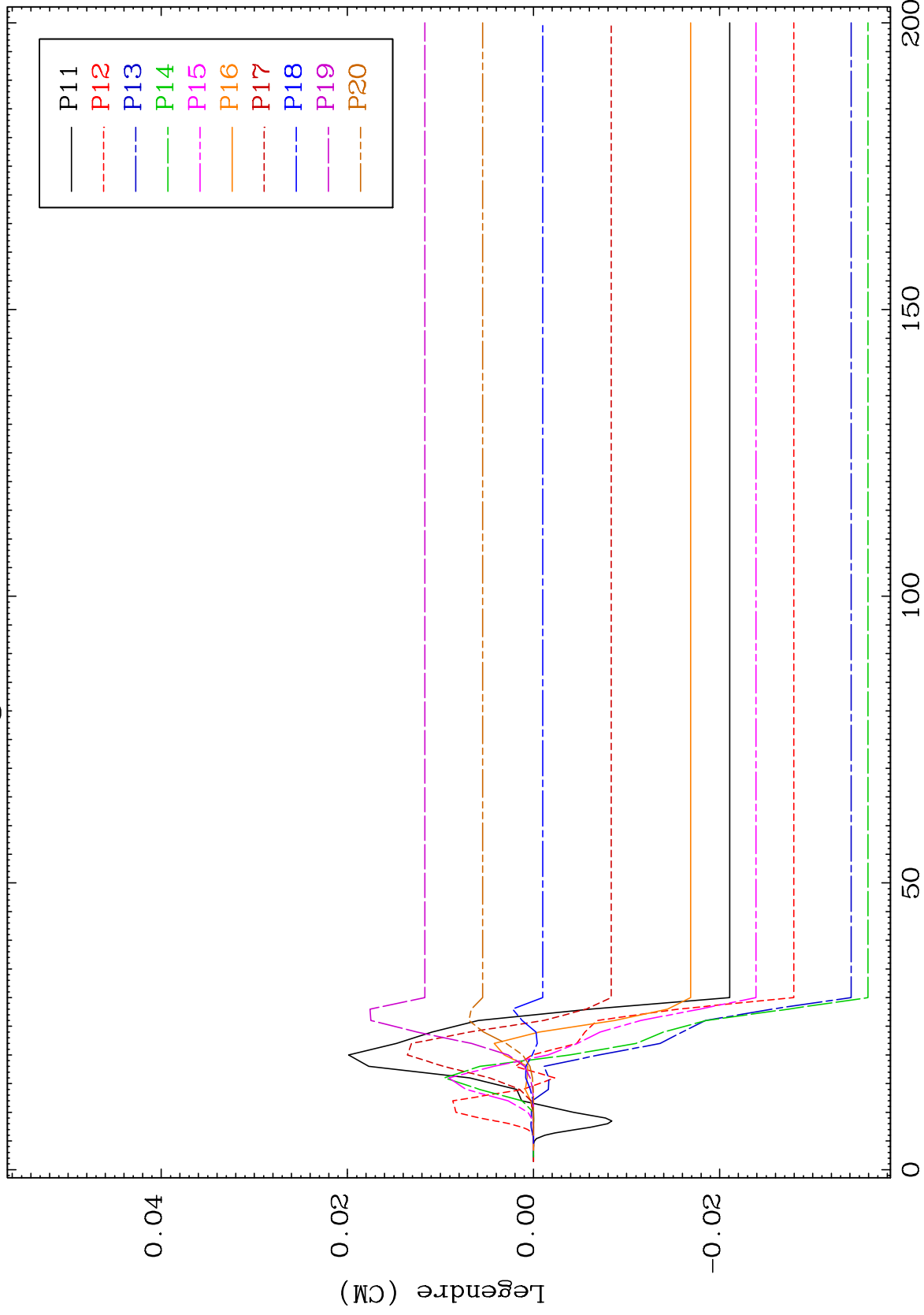
80-Hg-194



MAT 8019

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

80-Hg-194



21

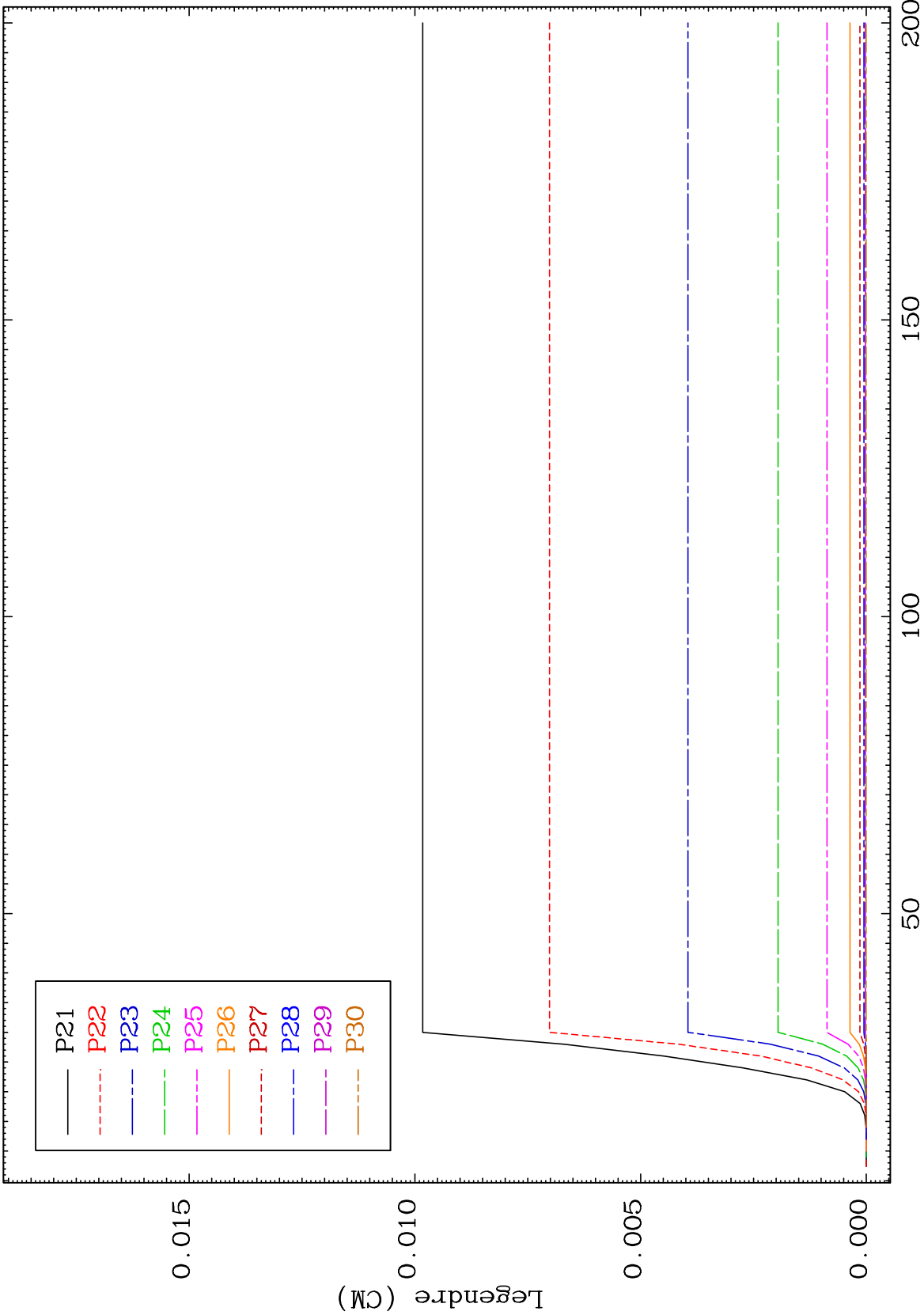
Incident Energy (MeV)

80-Hg-194

MAT 8019

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

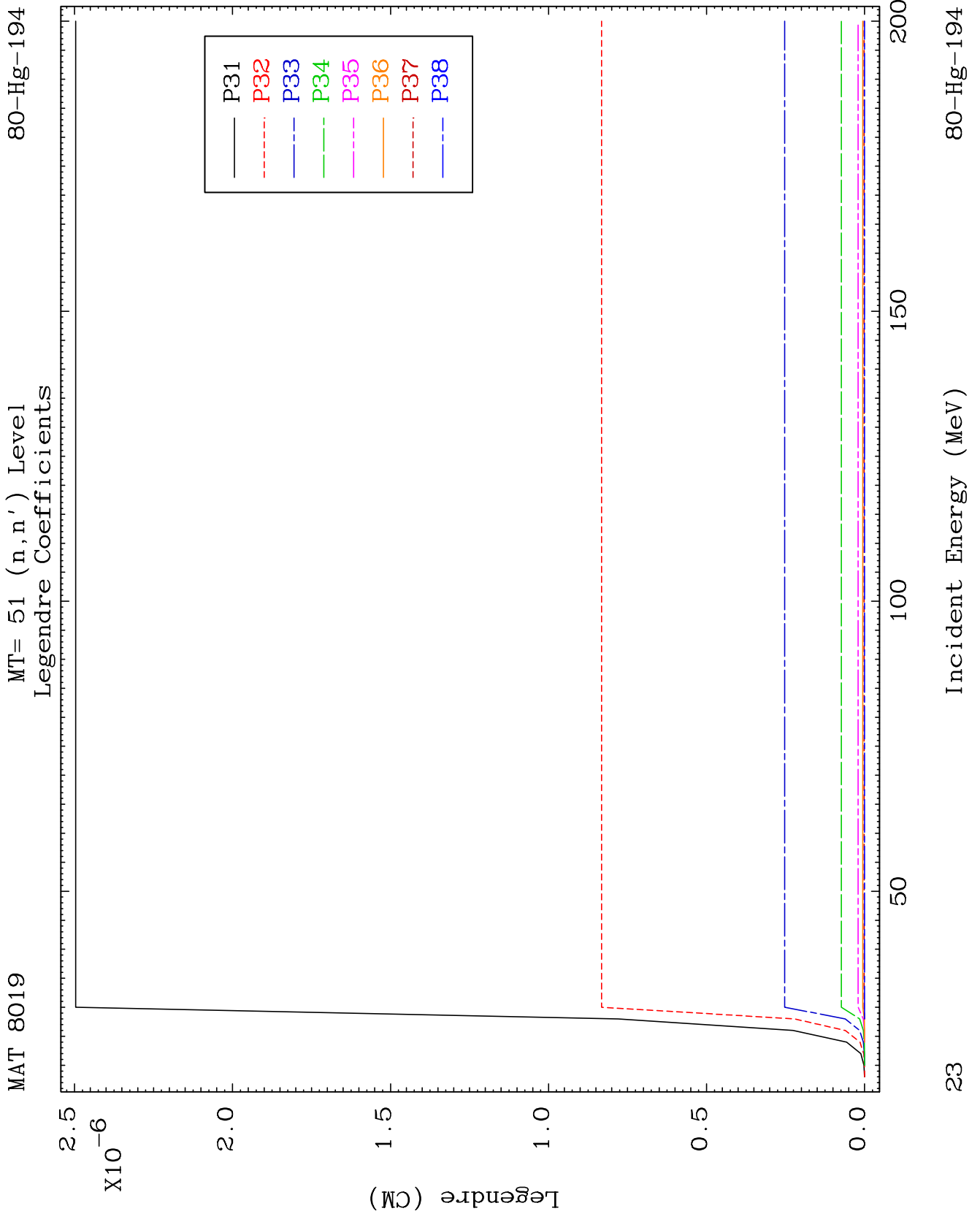
80-Hg-194



22

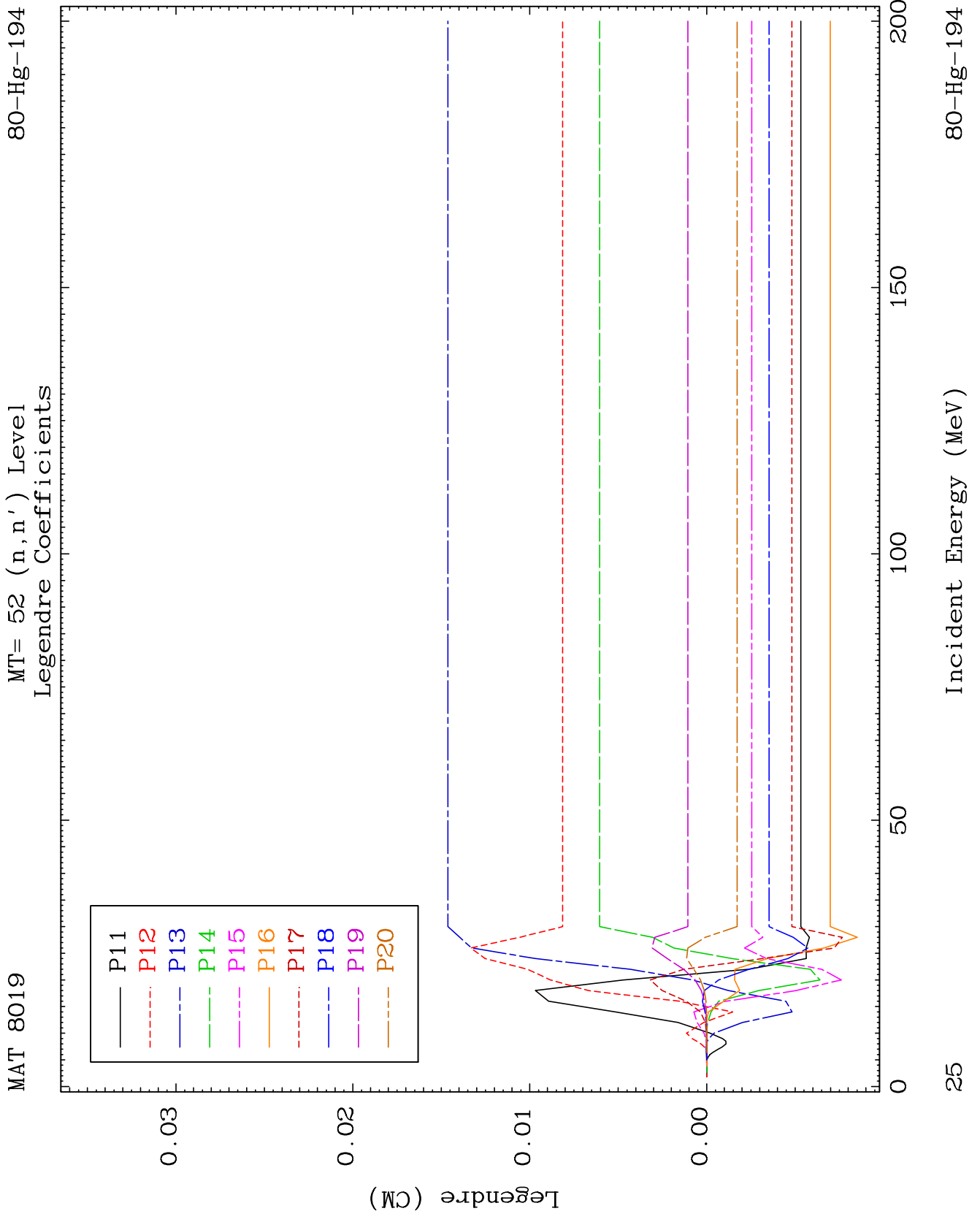
Incident Energy (MeV)

80-Hg-194





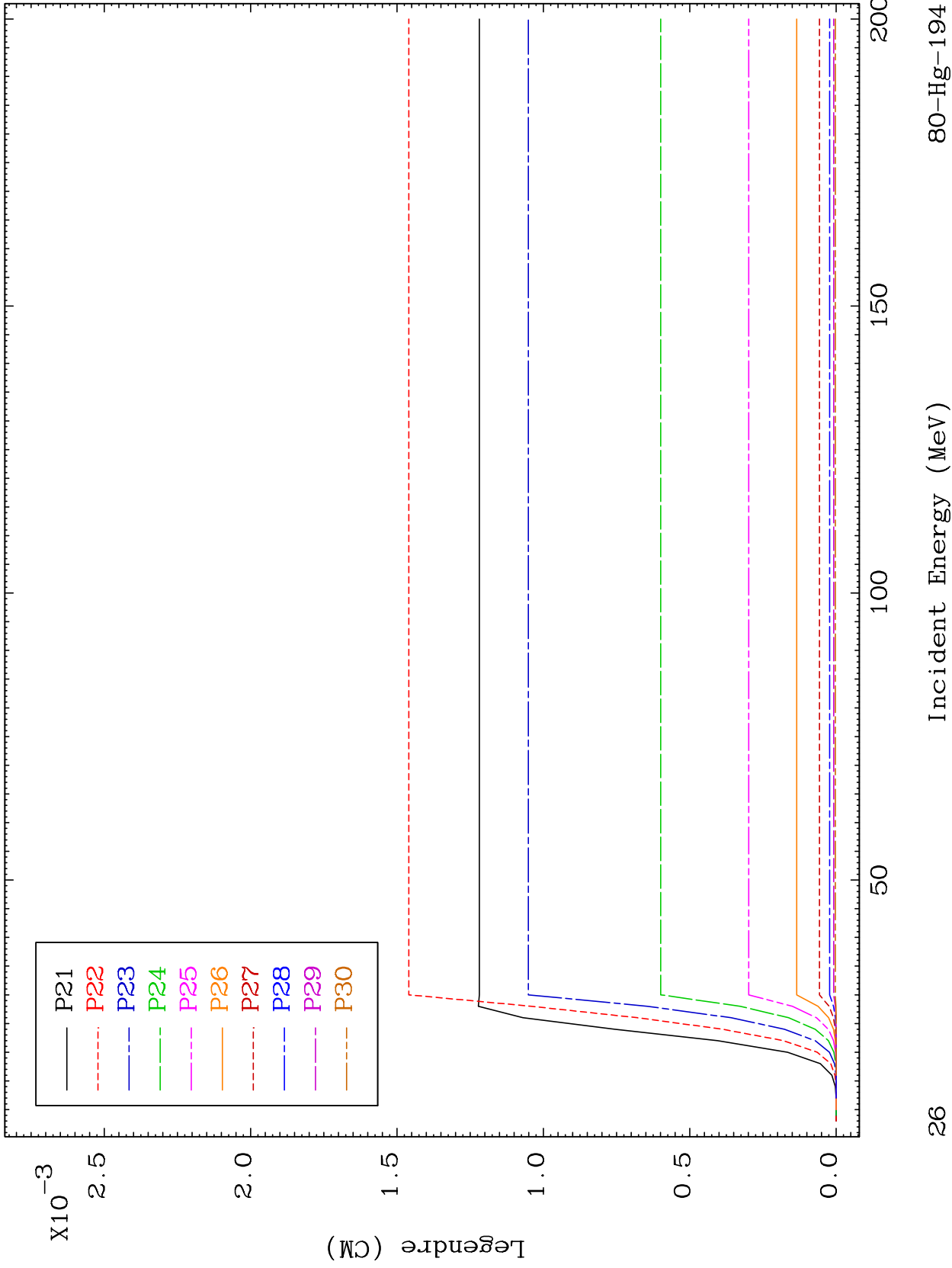




MAT 8019

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

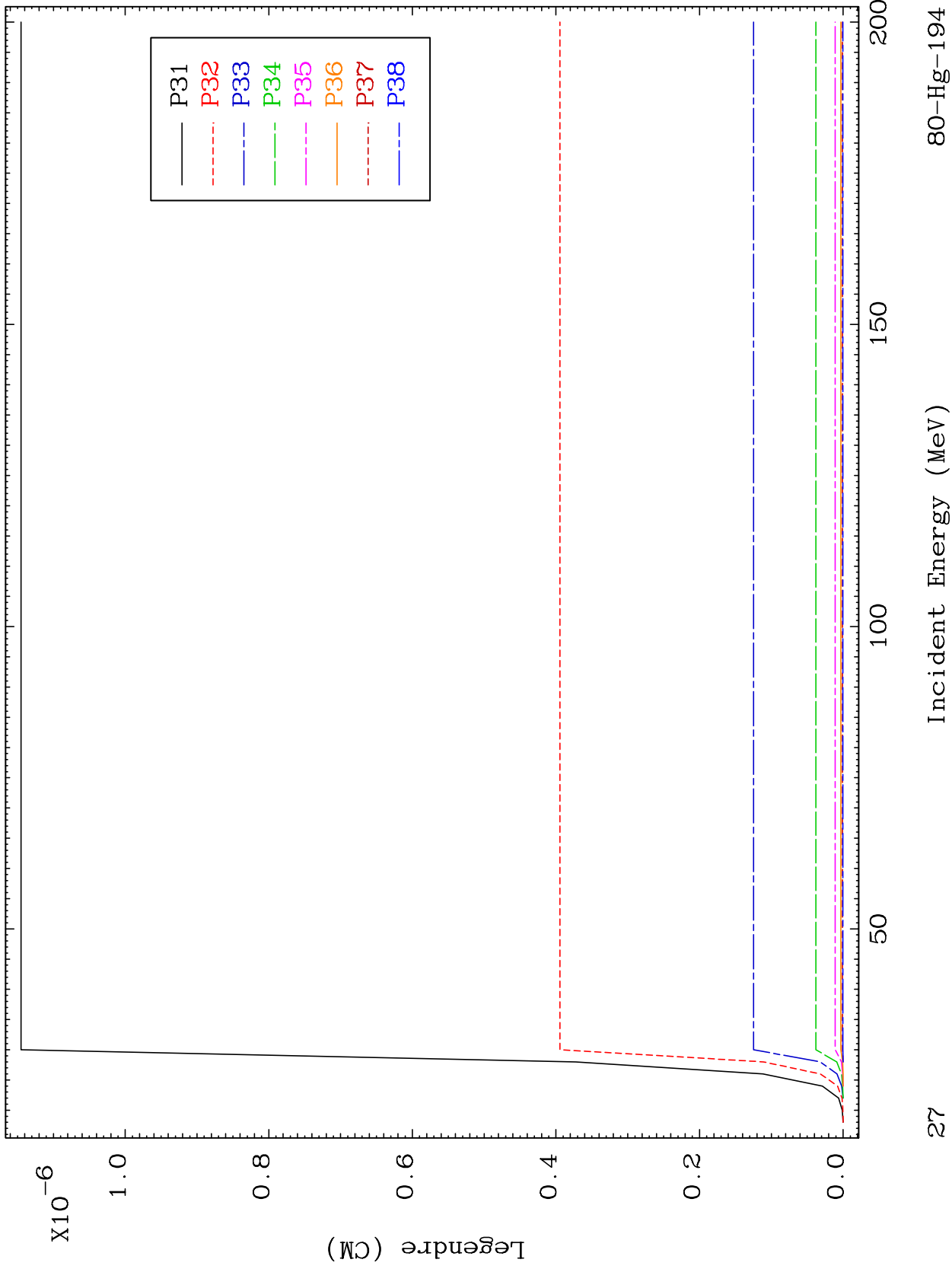
80-Hg-194



MAT 8019

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

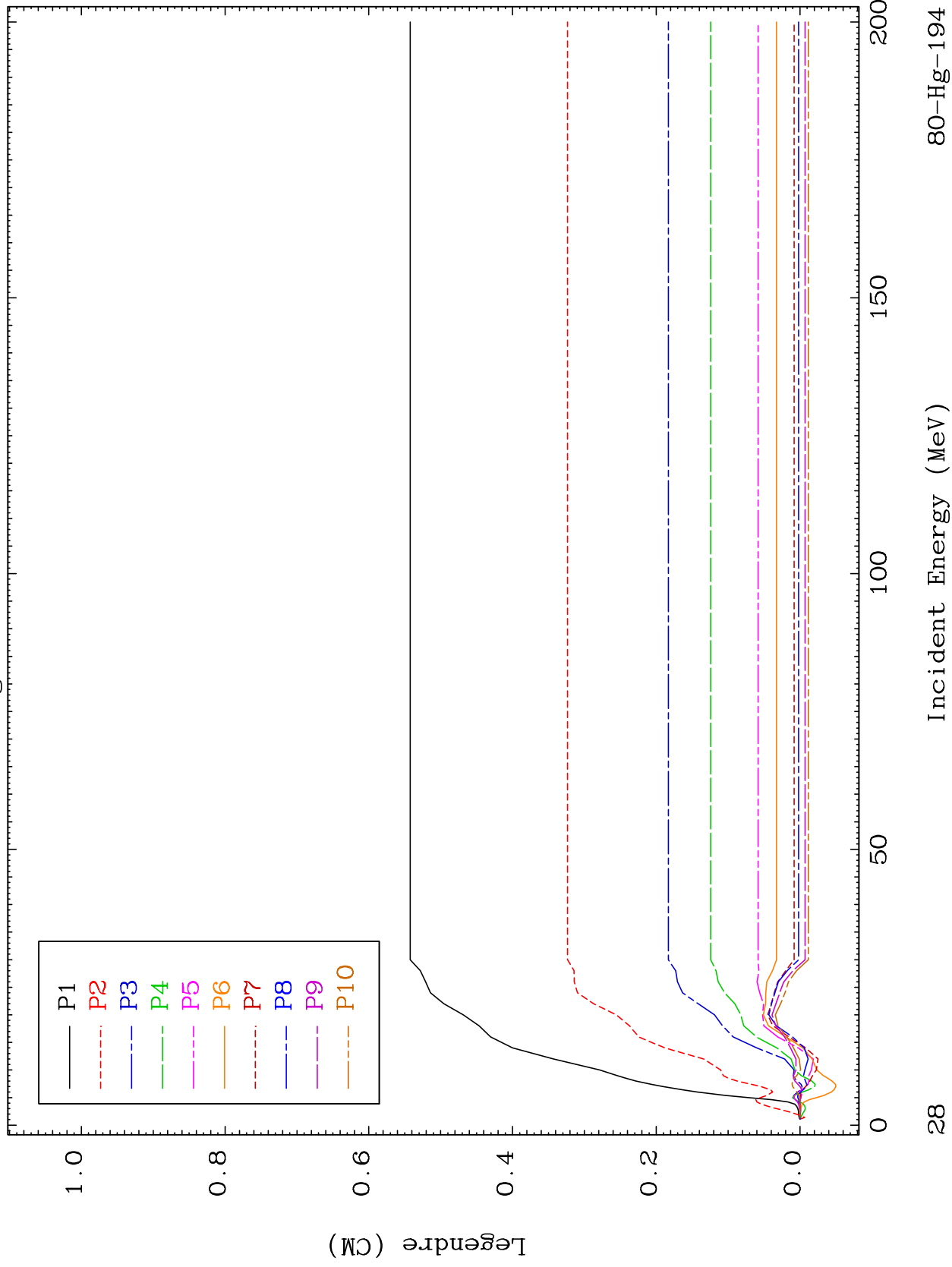
80-Hg-194



MAT 8019

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

80-Hg-194



28

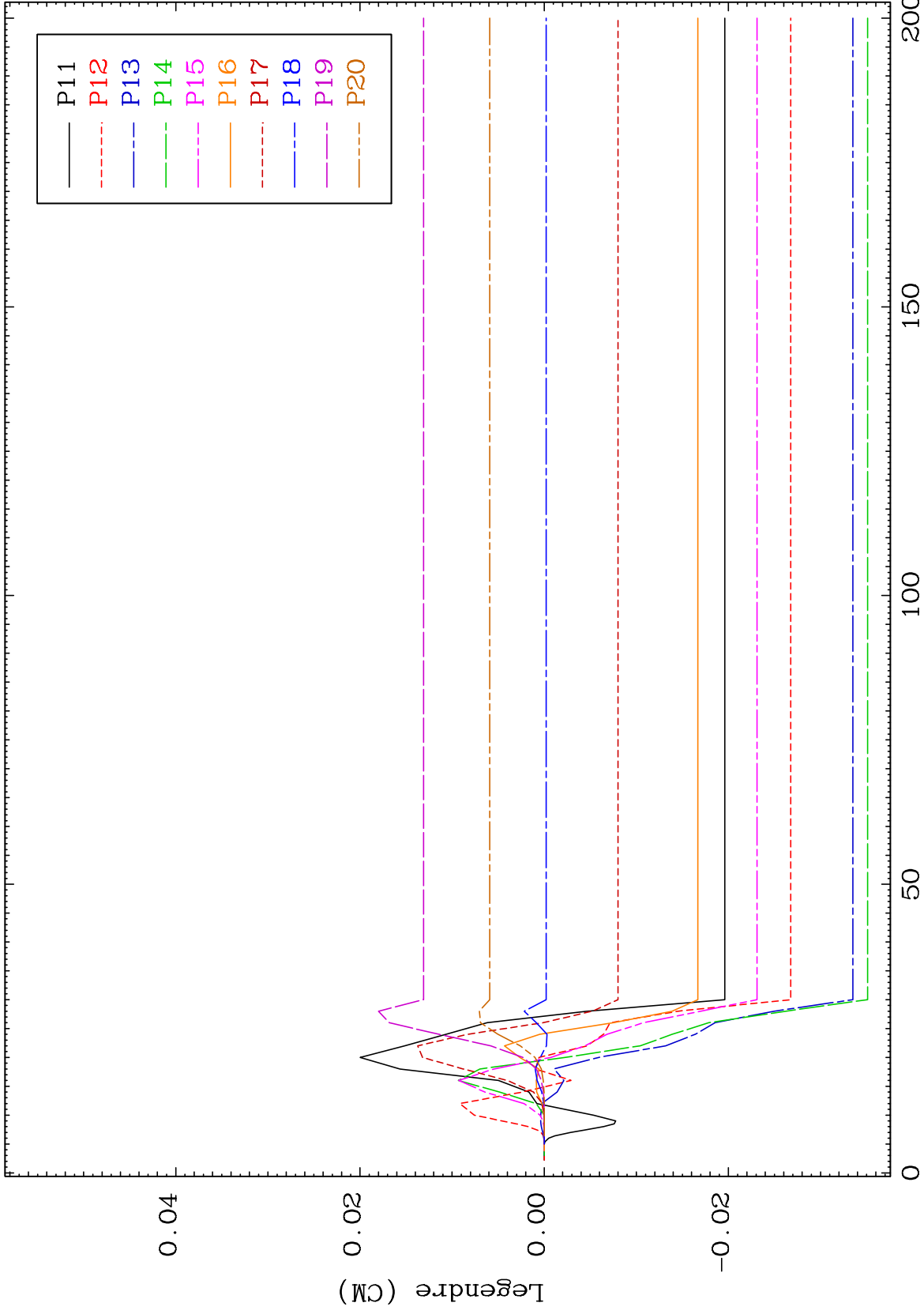
Incident Energy (MeV)

80-Hg-194

MAT 8019

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

80-Hg-194



29

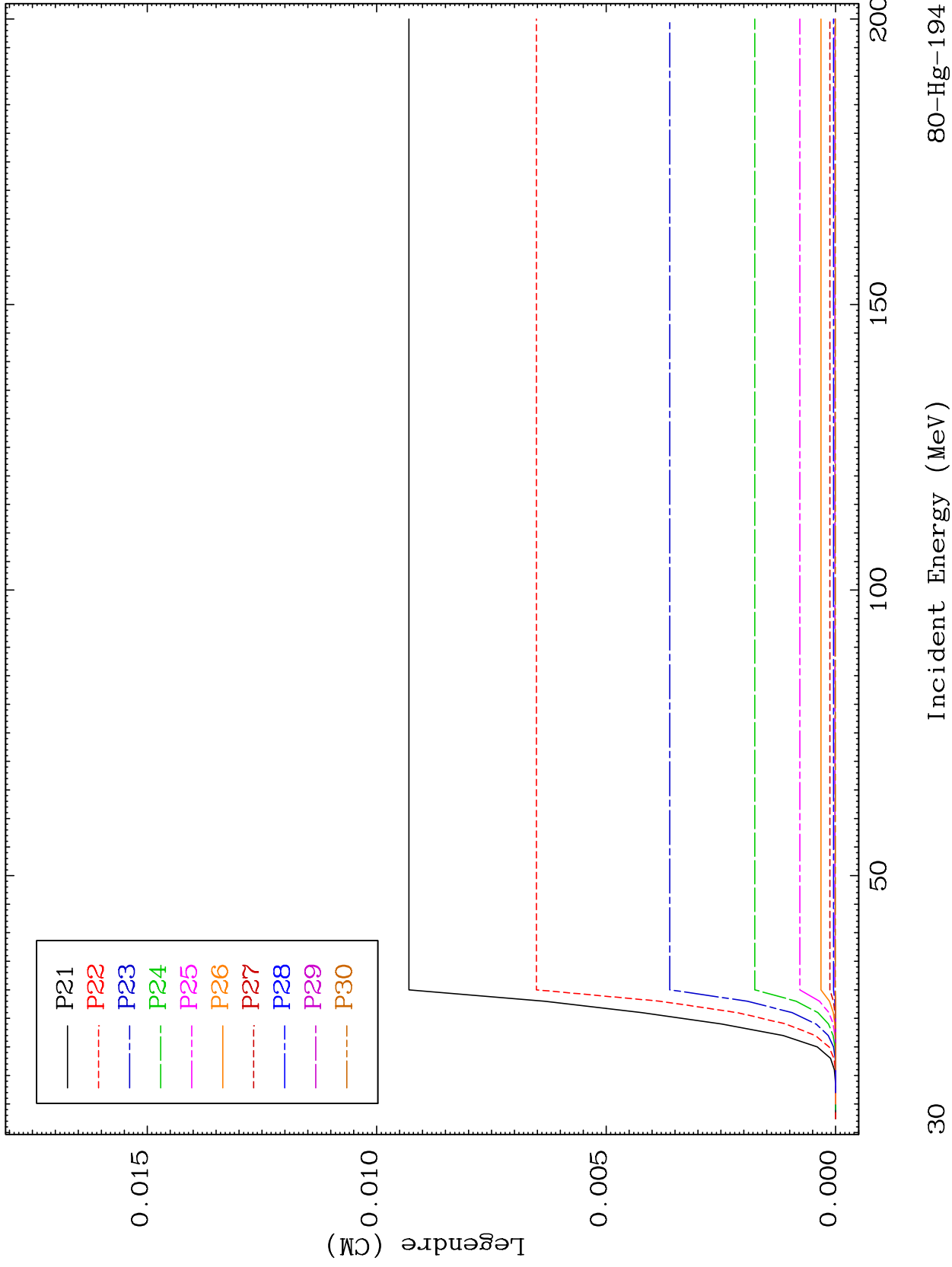
Incident Energy (MeV)

80-Hg-194

MAT 8019

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

80-Hg-194



30

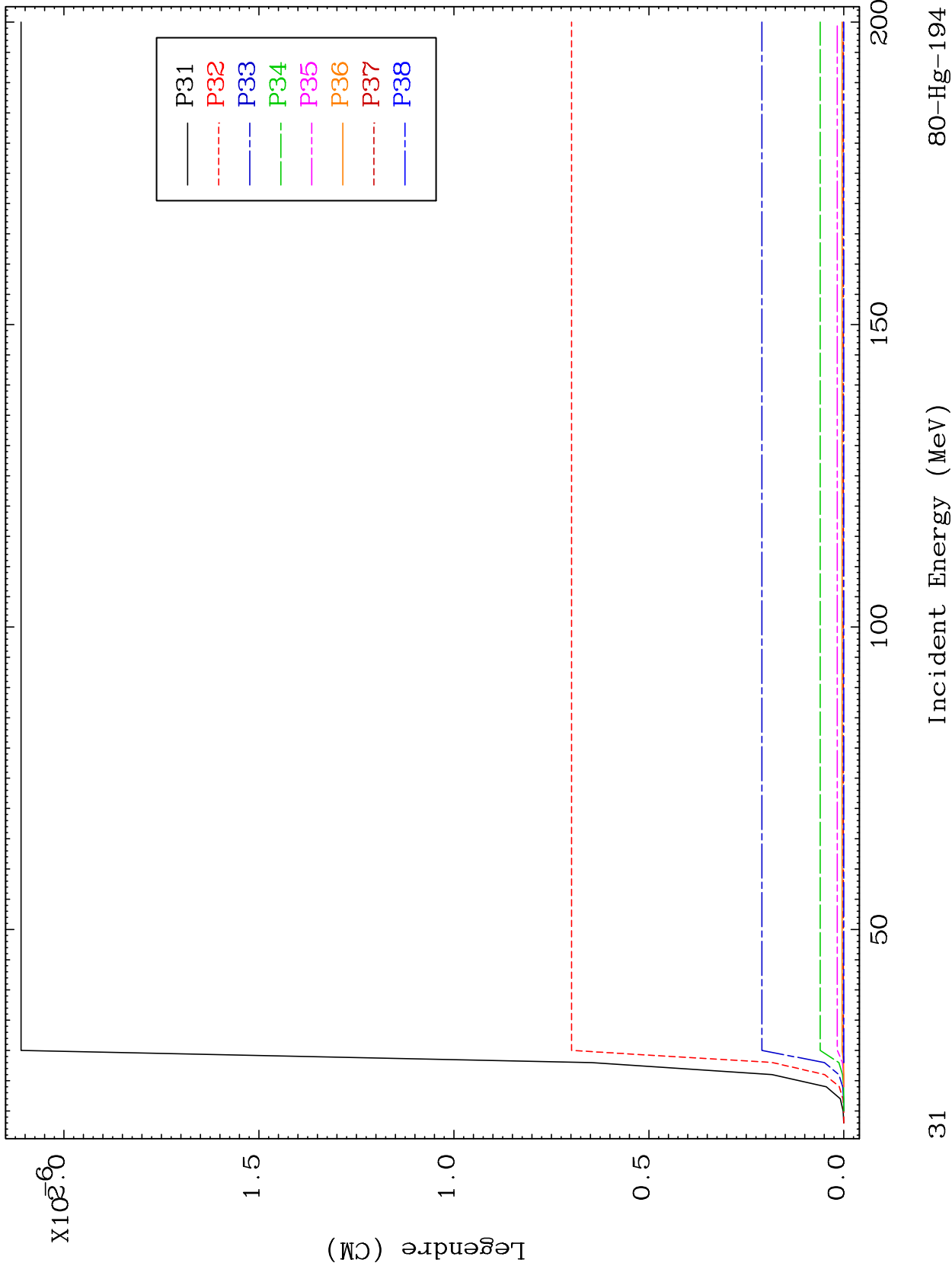
Incident Energy (MeV)

80-Hg-194

MAT 8019

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

80-Hg-194



31

Incident Energy (MeV)

80-Hg-194

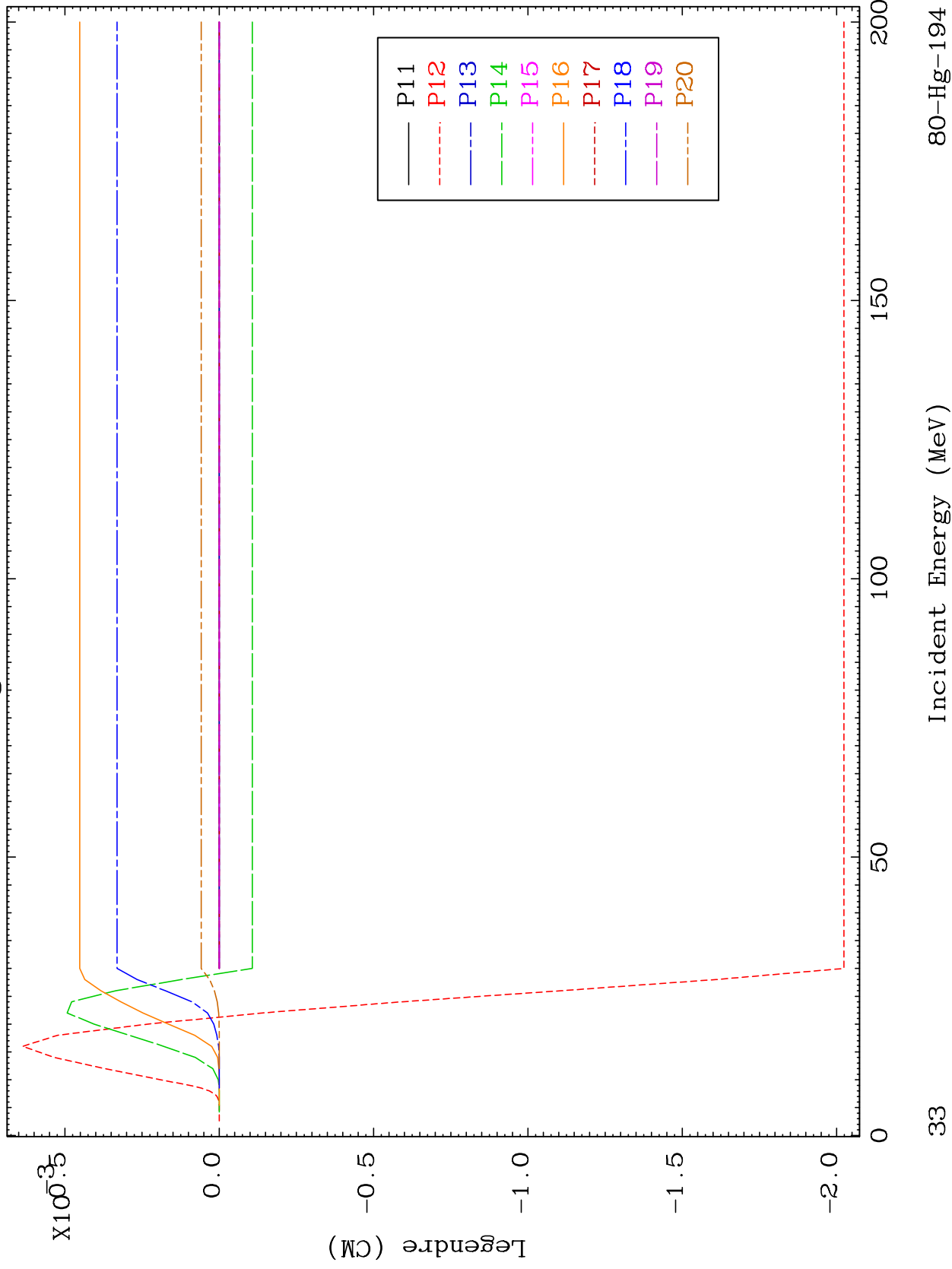




MAT 8019

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

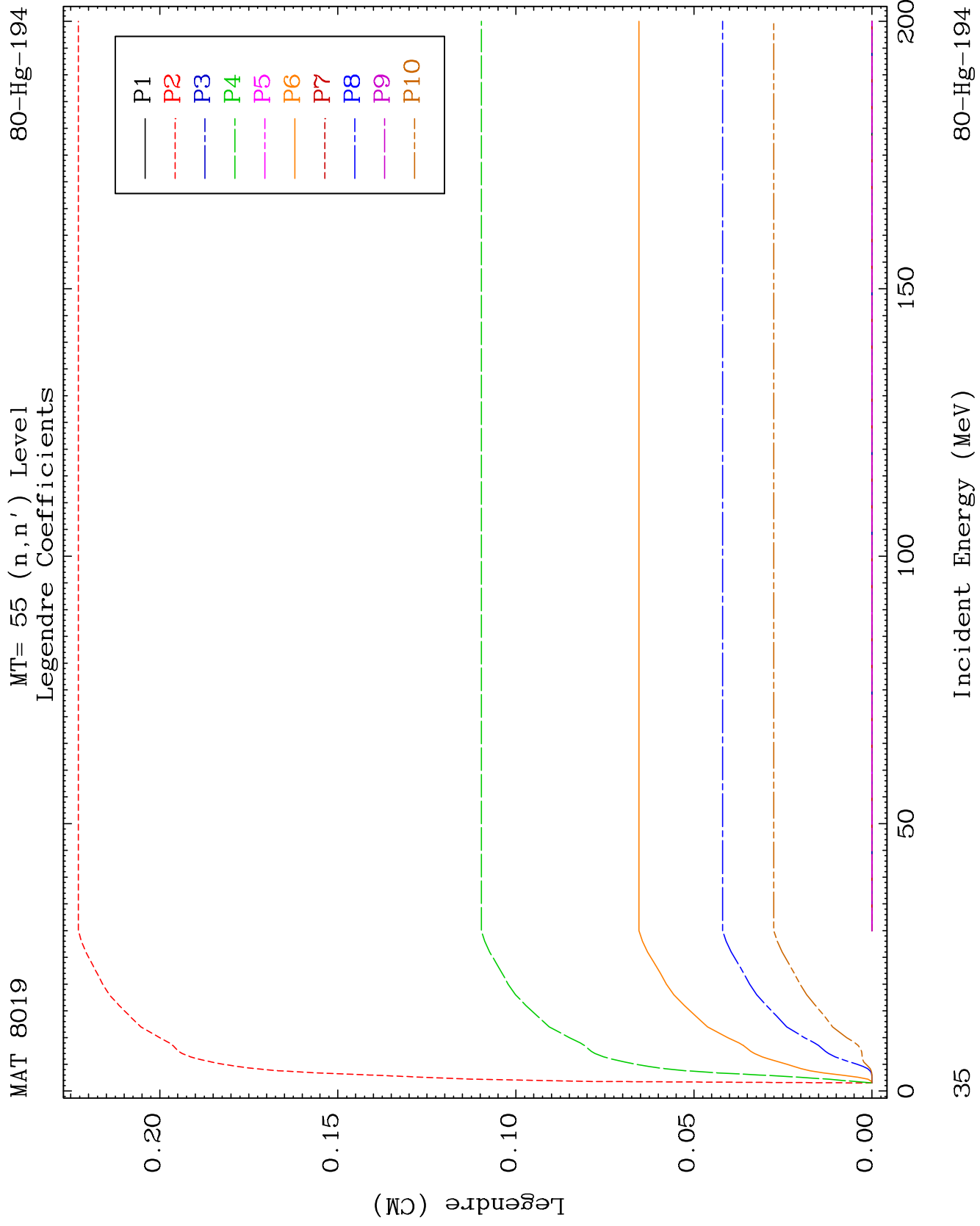
80-Hg-194



33

80-Hg-194

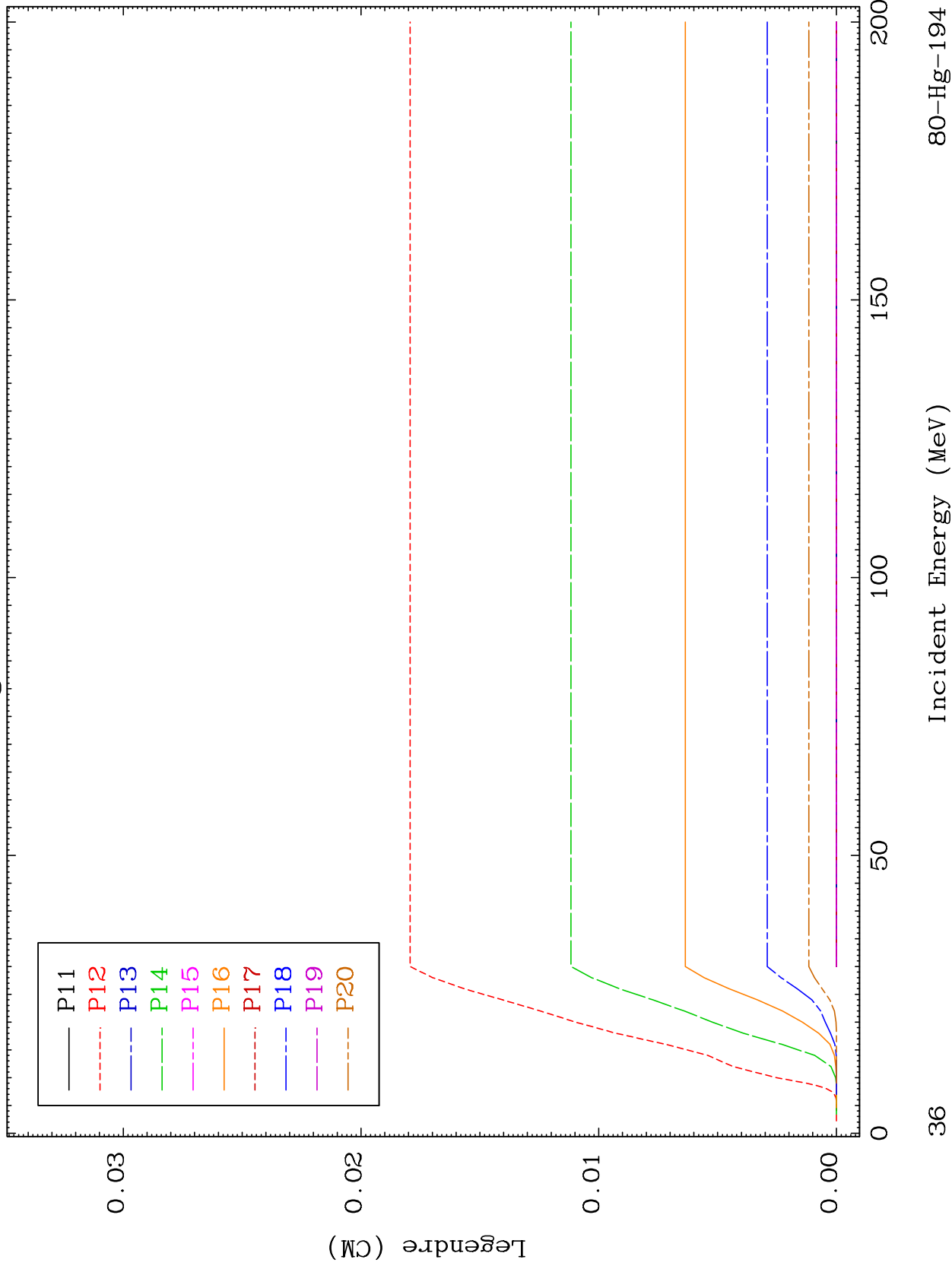




MAT 8019

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

80-Hg-194

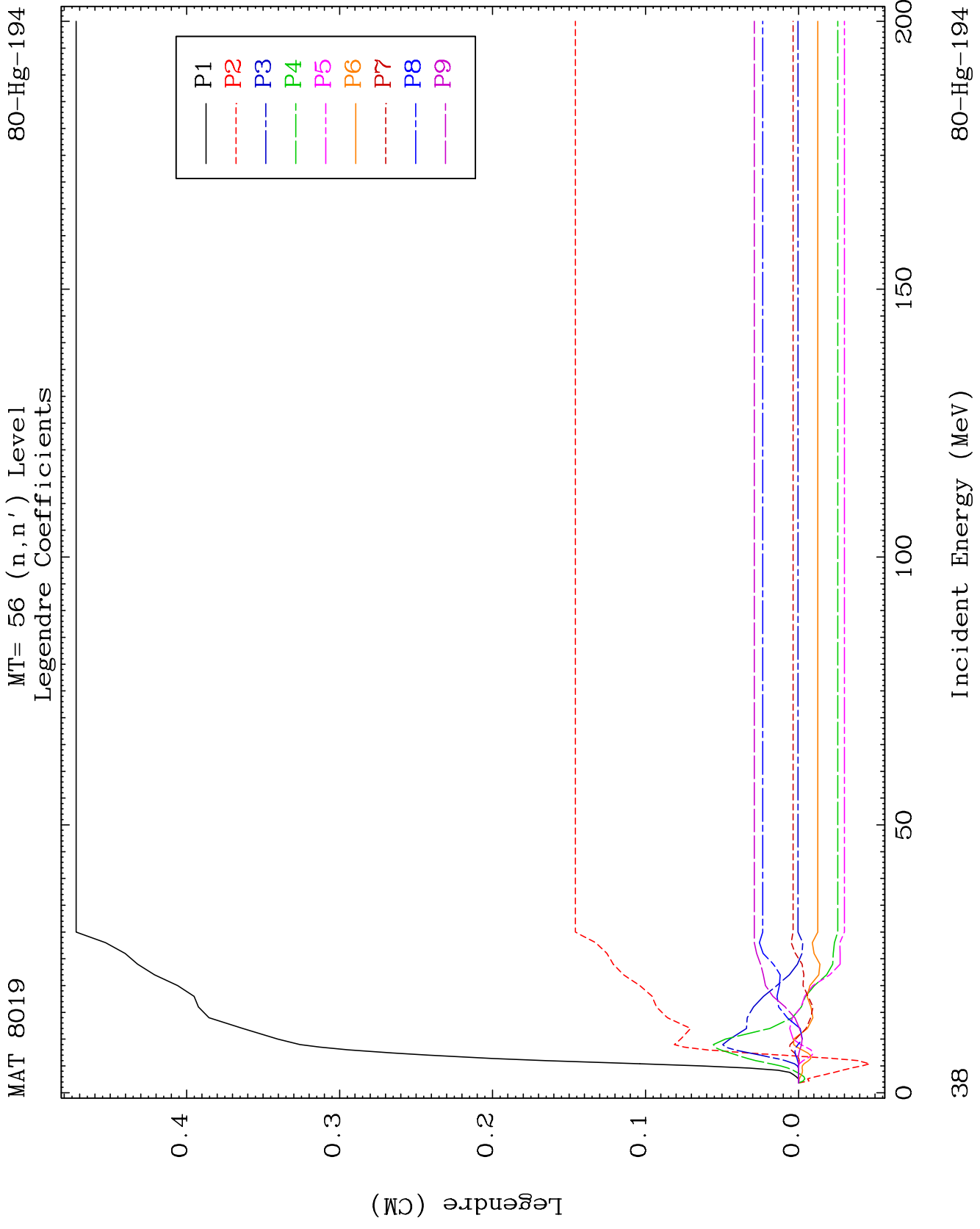


36

Incident Energy (MeV)

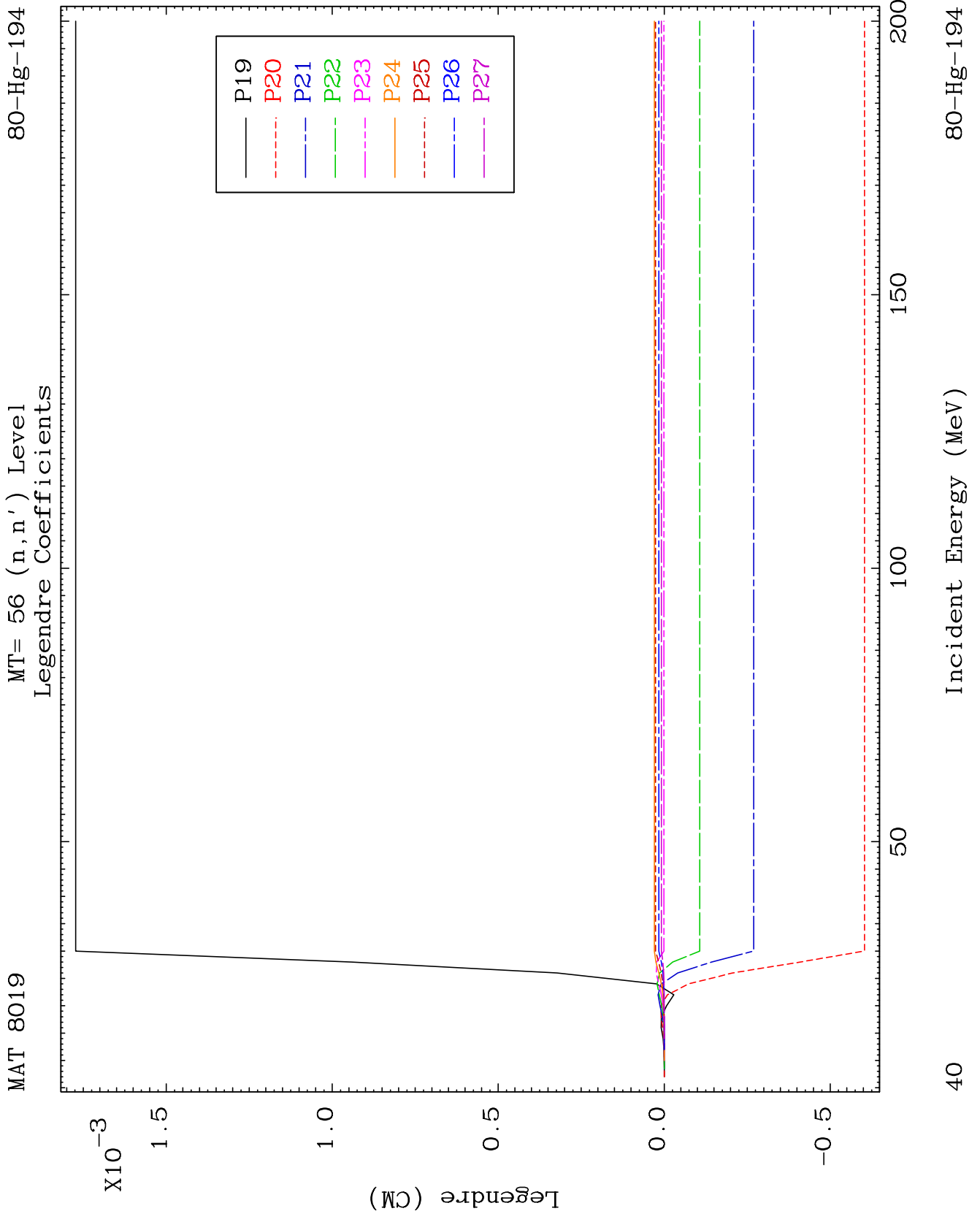
80-Hg-194







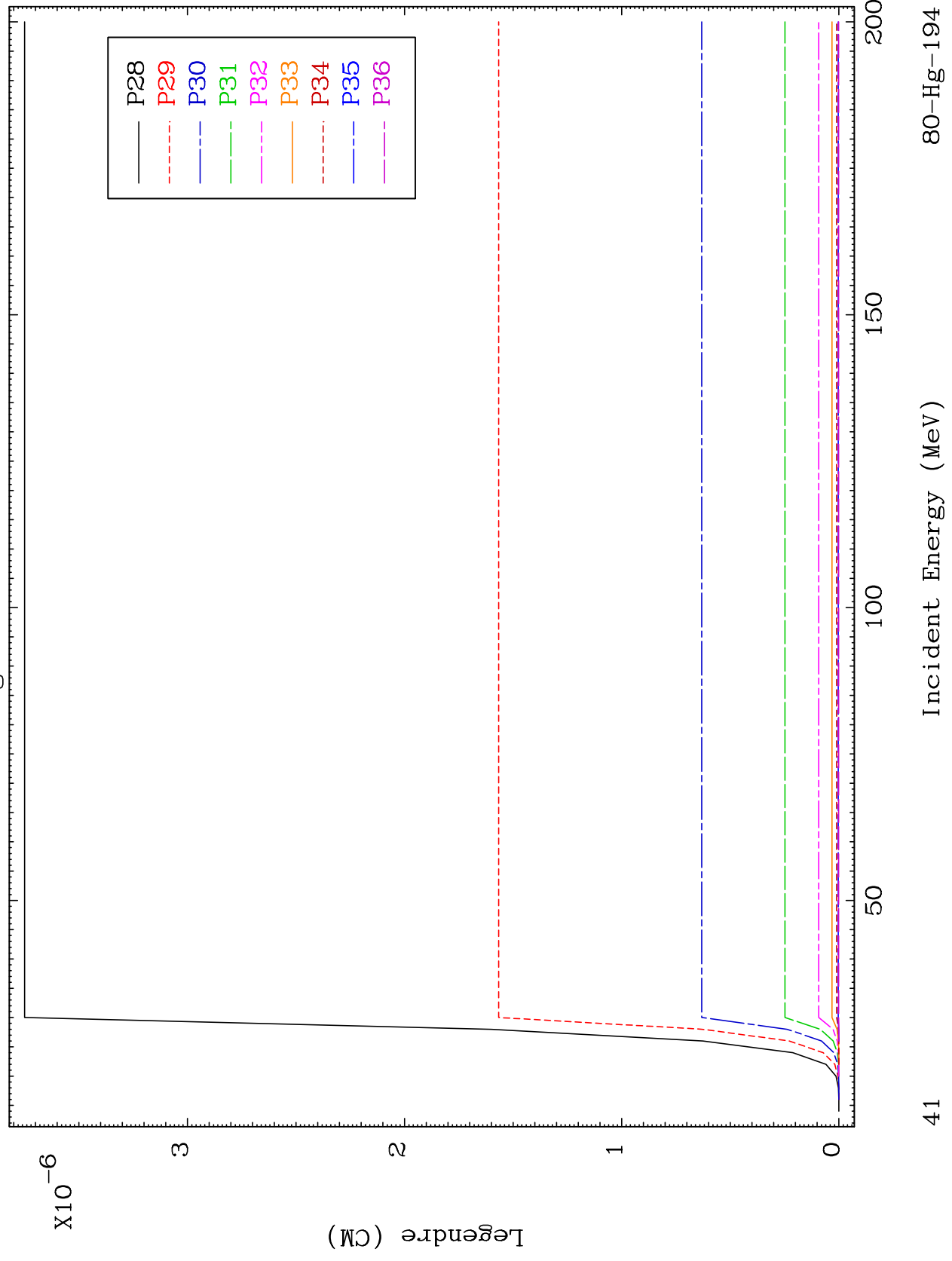




MAT 8019

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

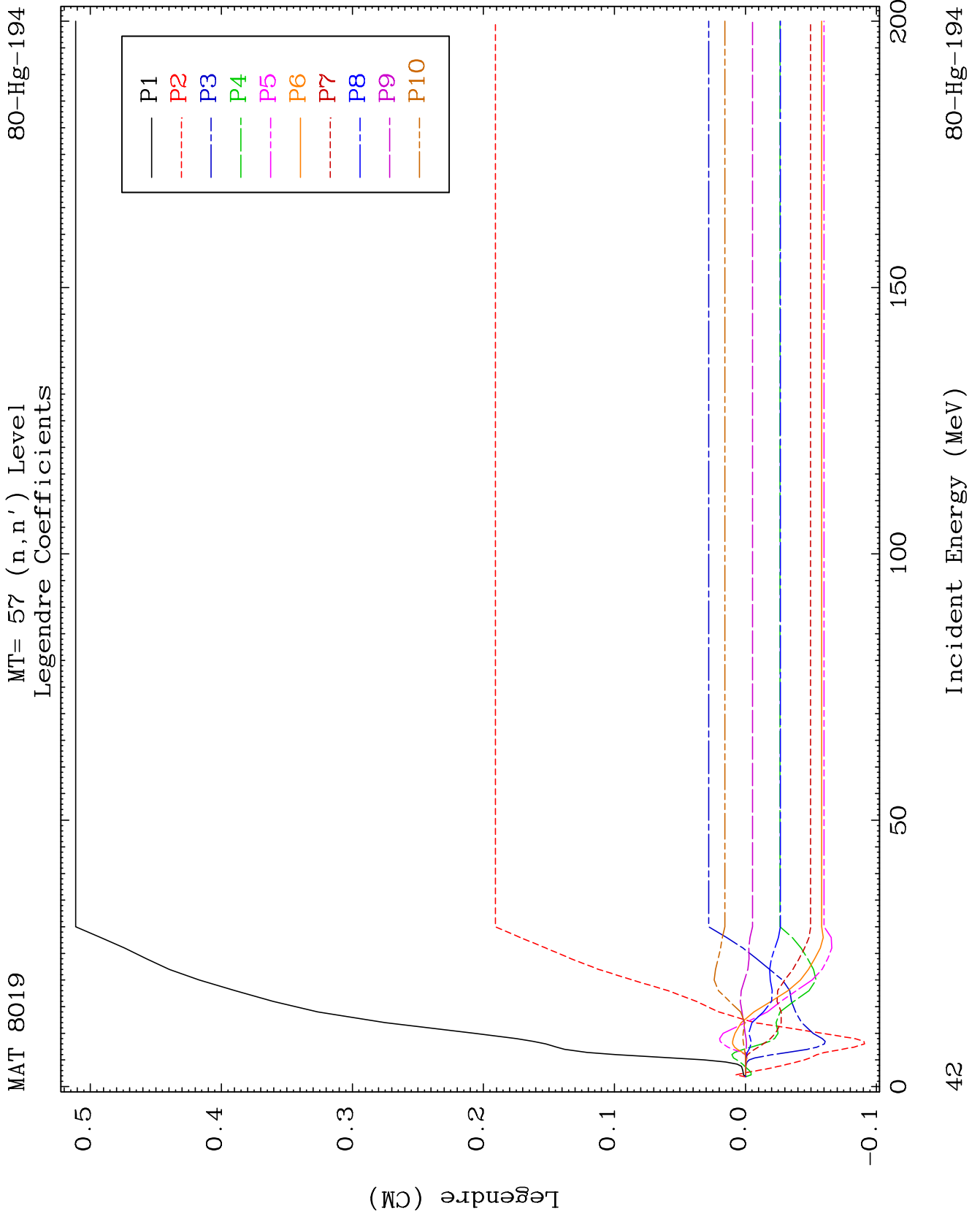
80-Hg-194



41

Incident Energy (MeV)

80-Hg-194

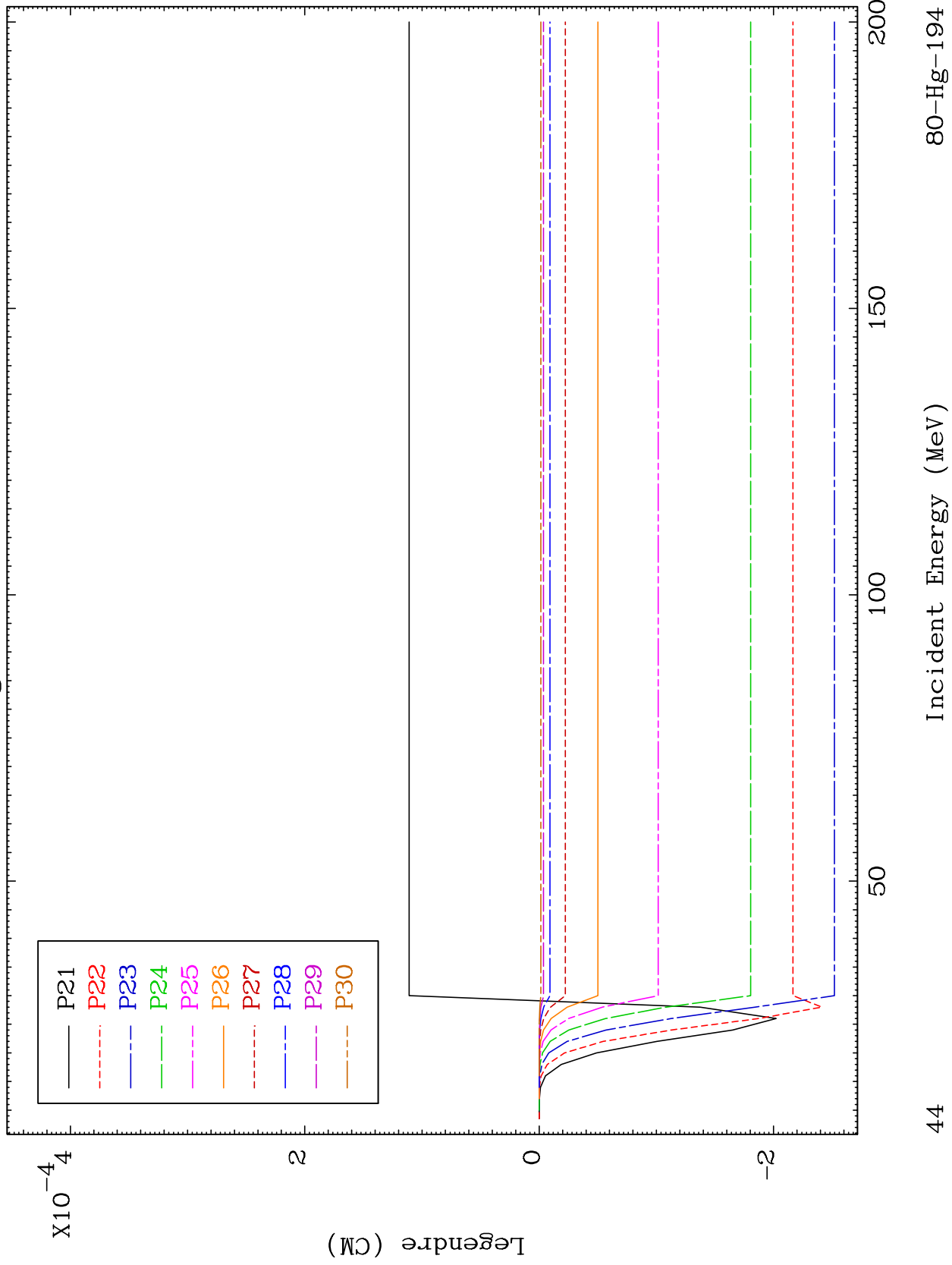




MAT 8019

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

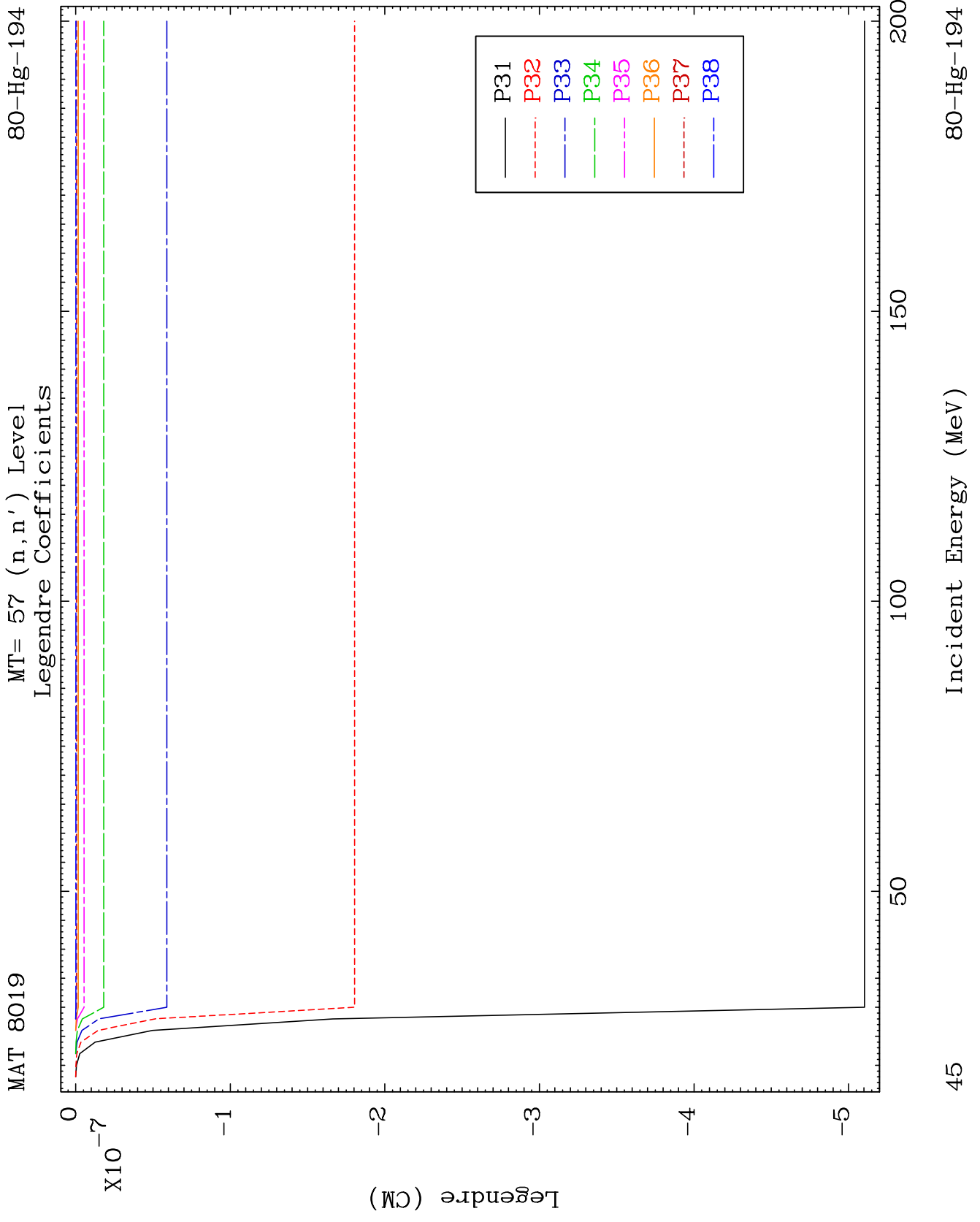
80-Hg-194



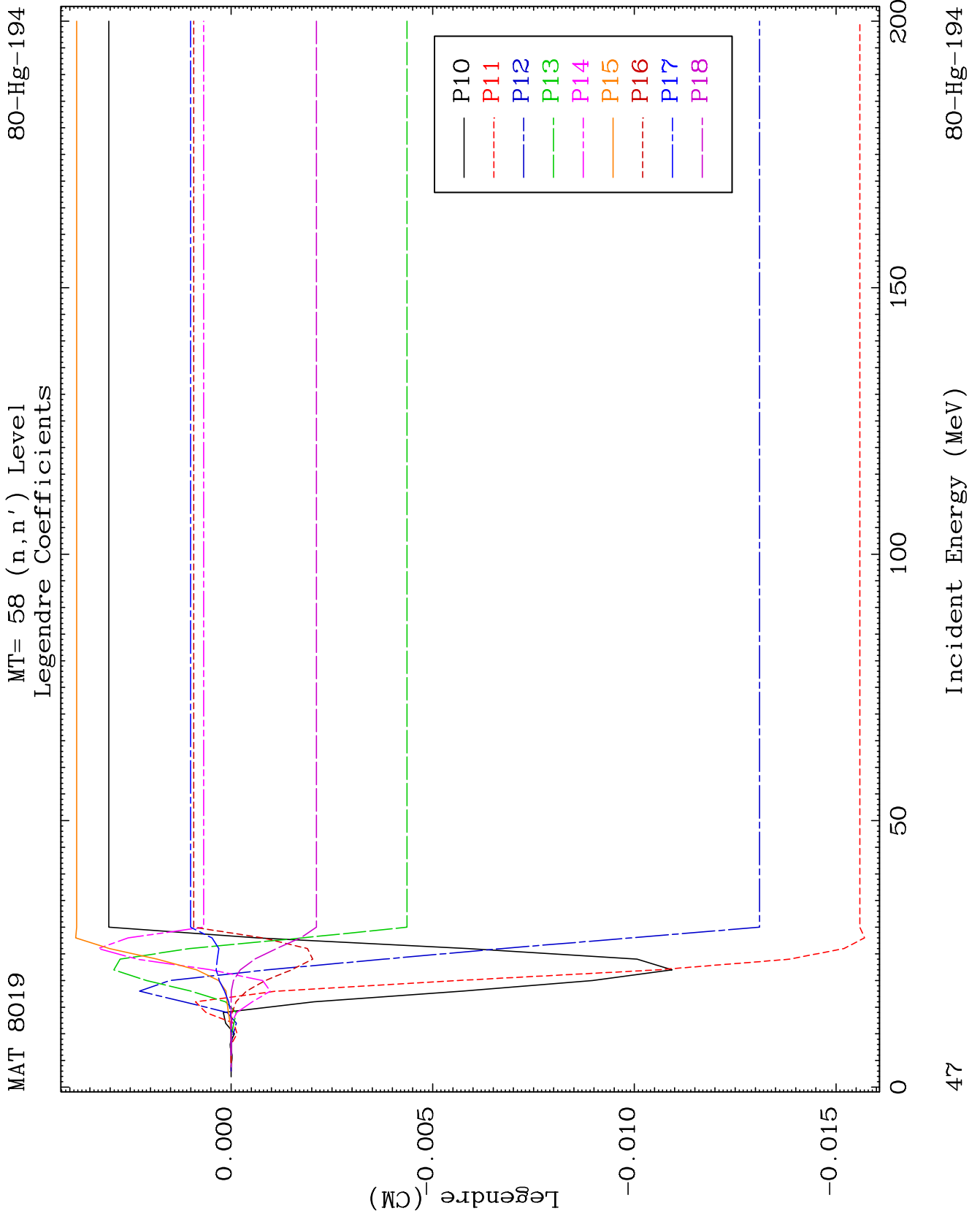
44

Incident Energy (MeV)

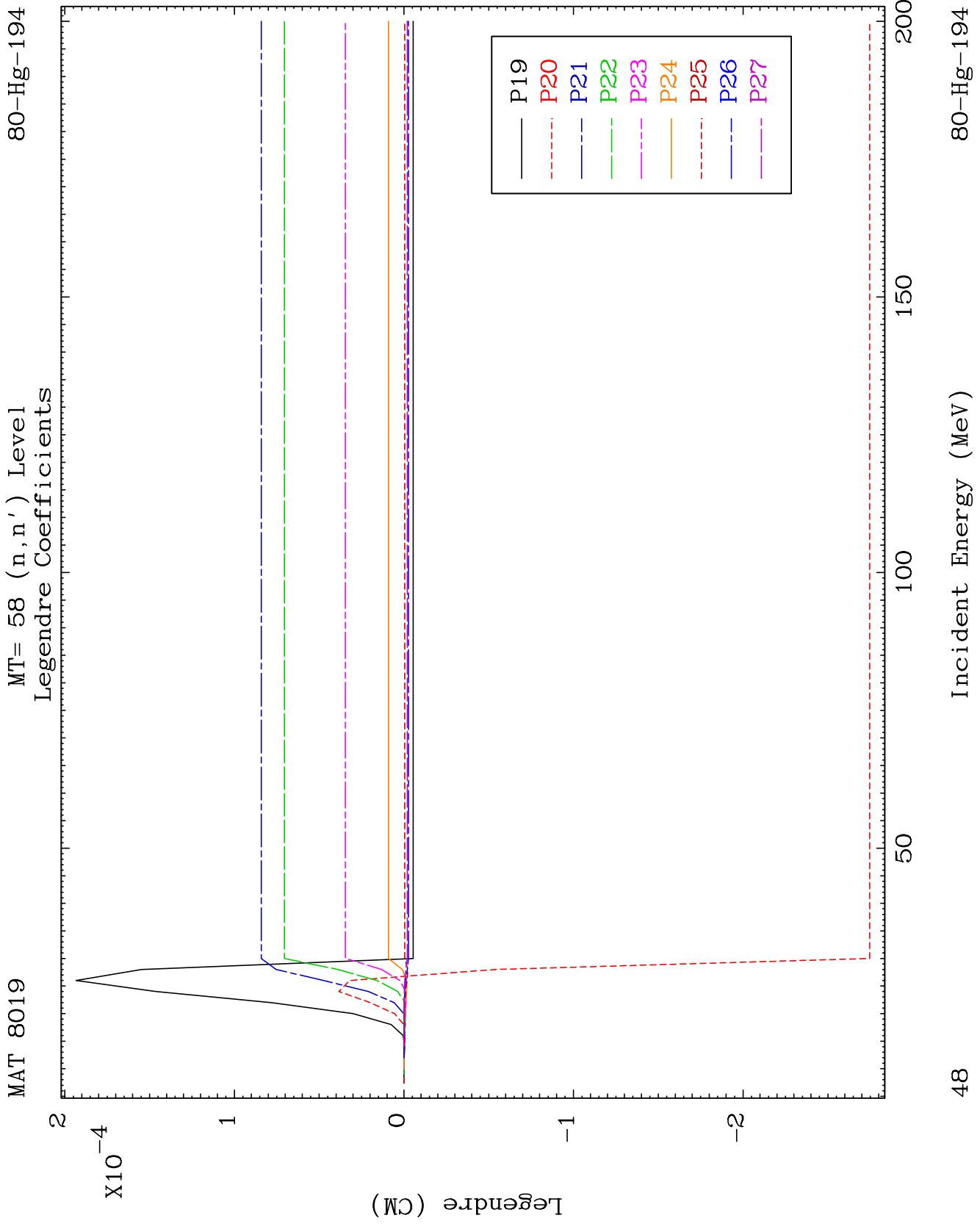
80-Hg-194

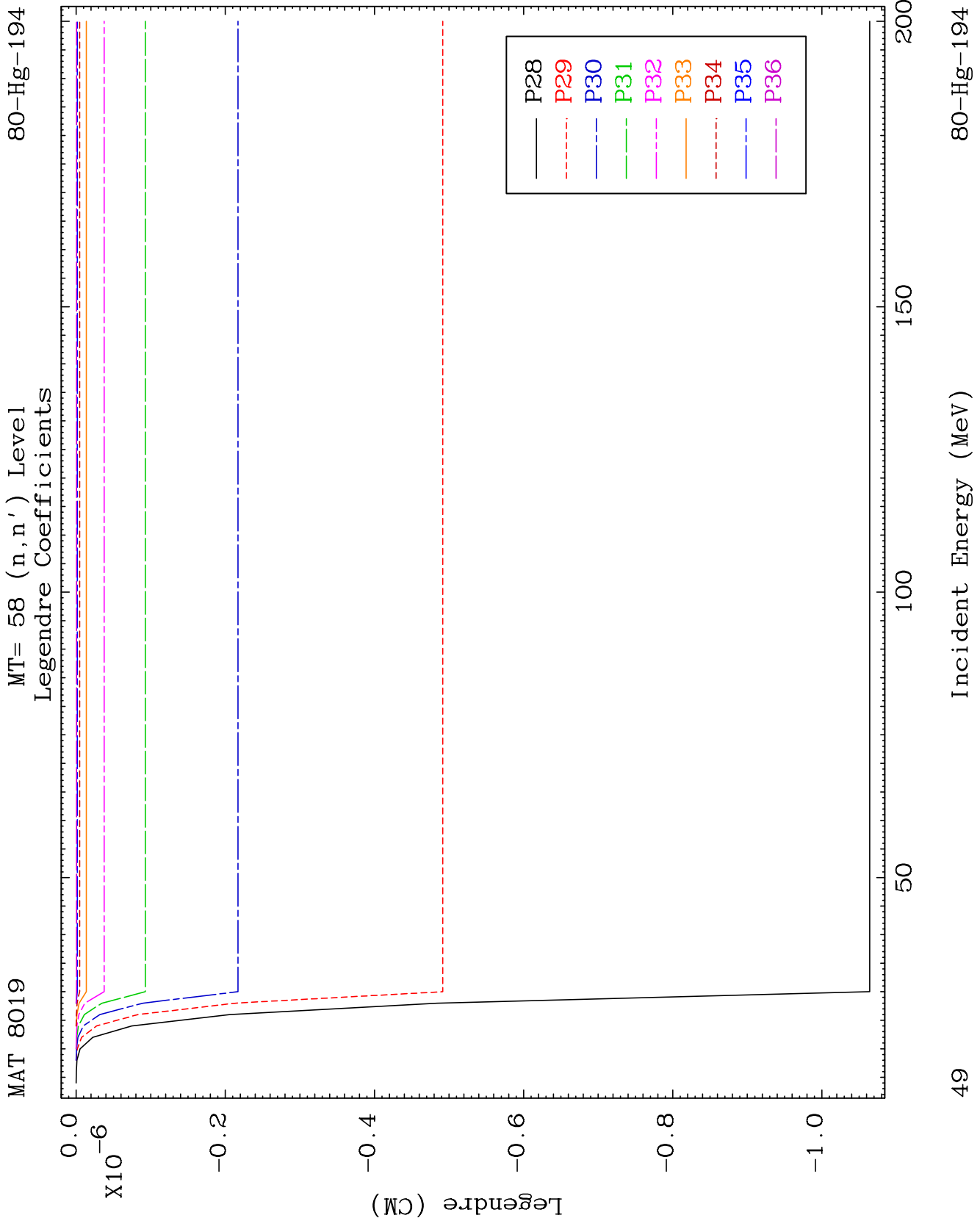


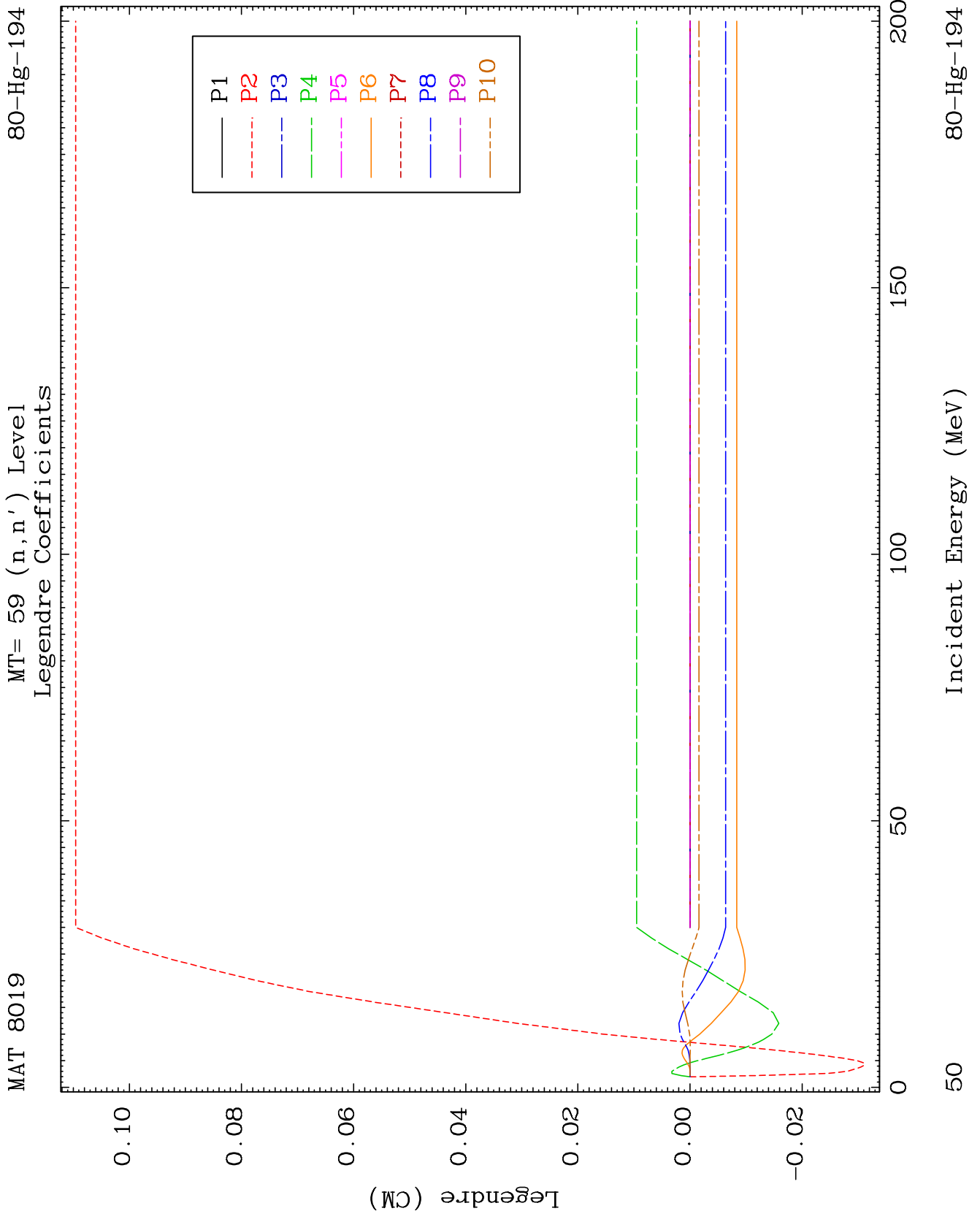








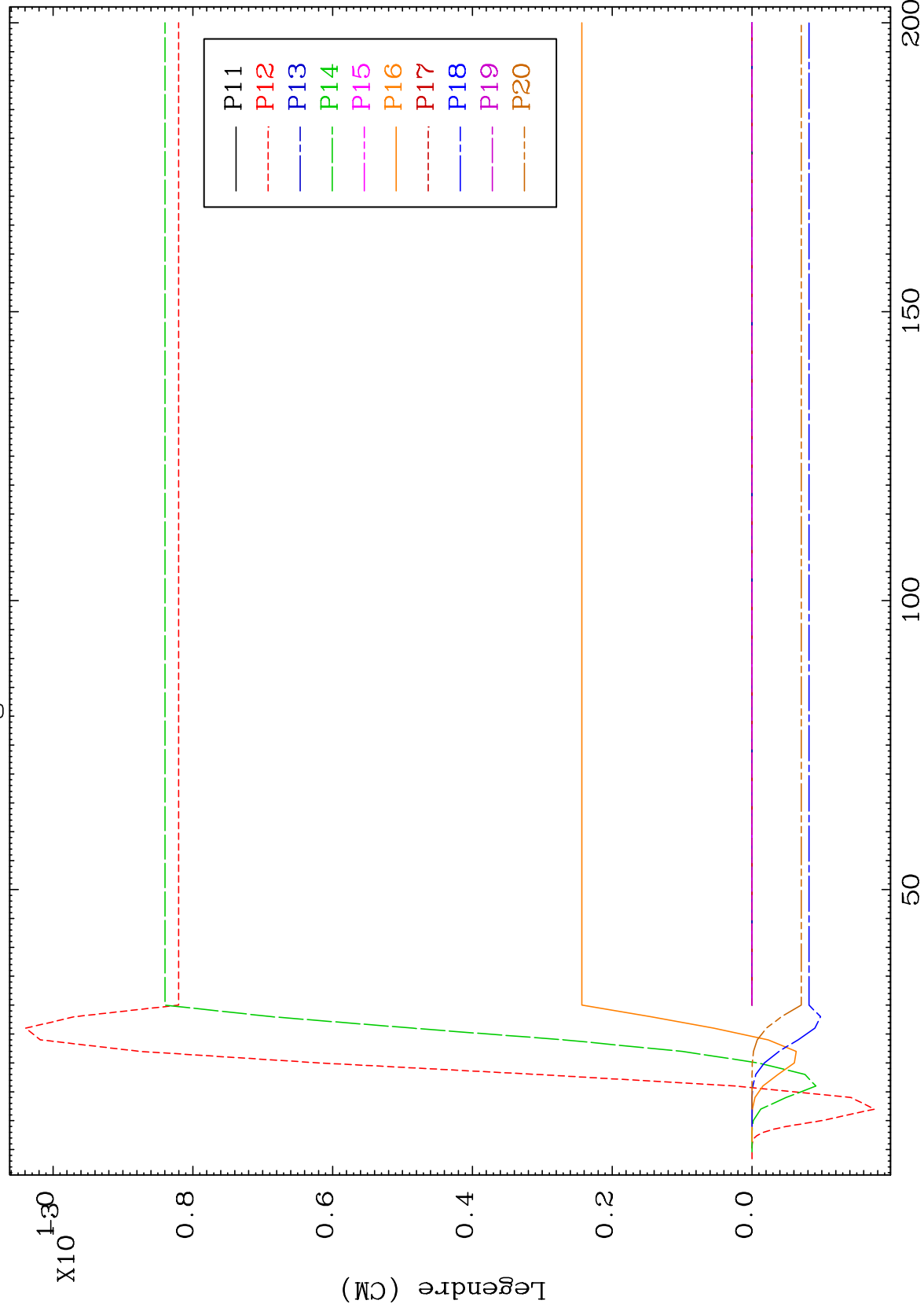




MAT 8019

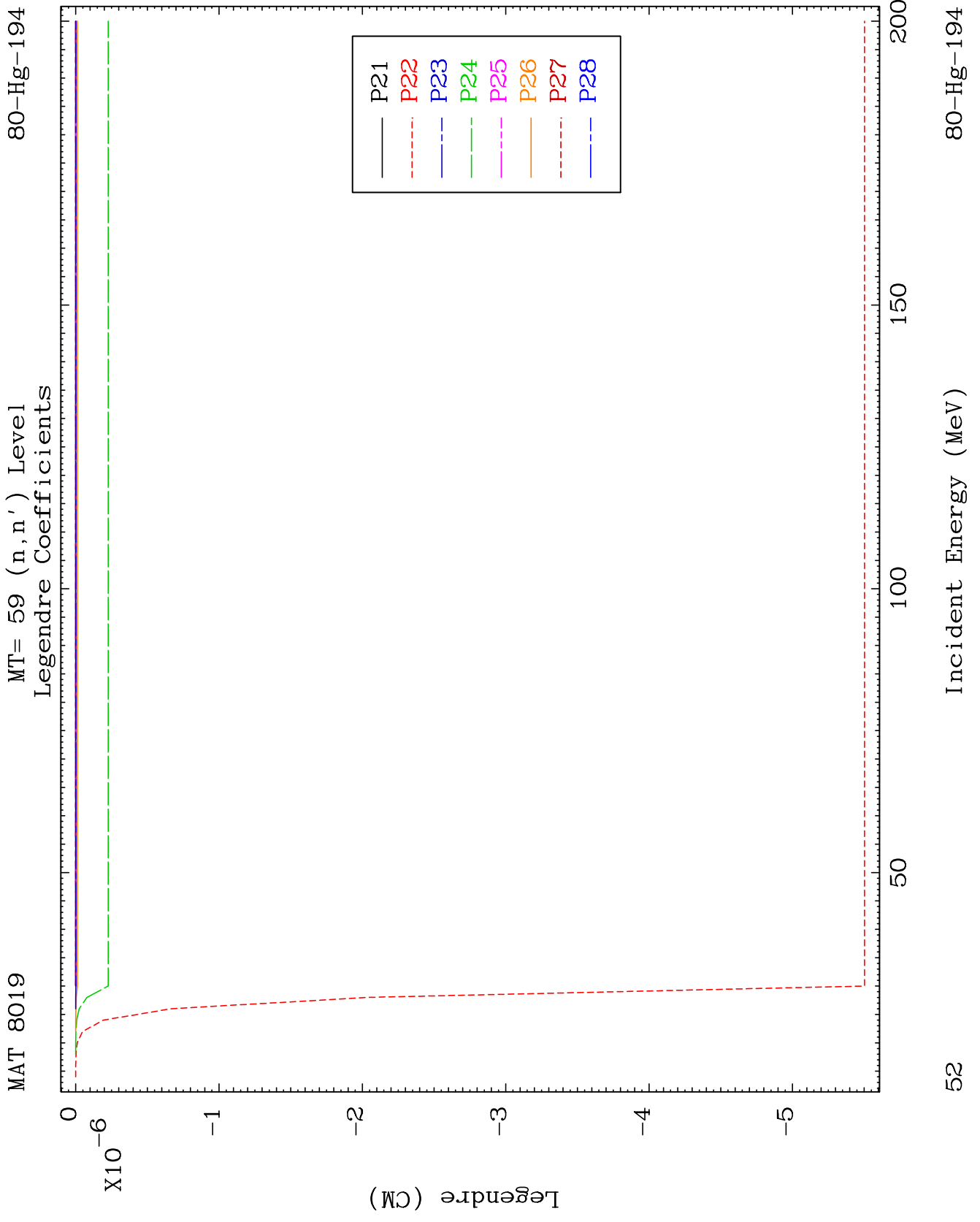
MT= 59 (n,n') Level  
Legendre Coefficients

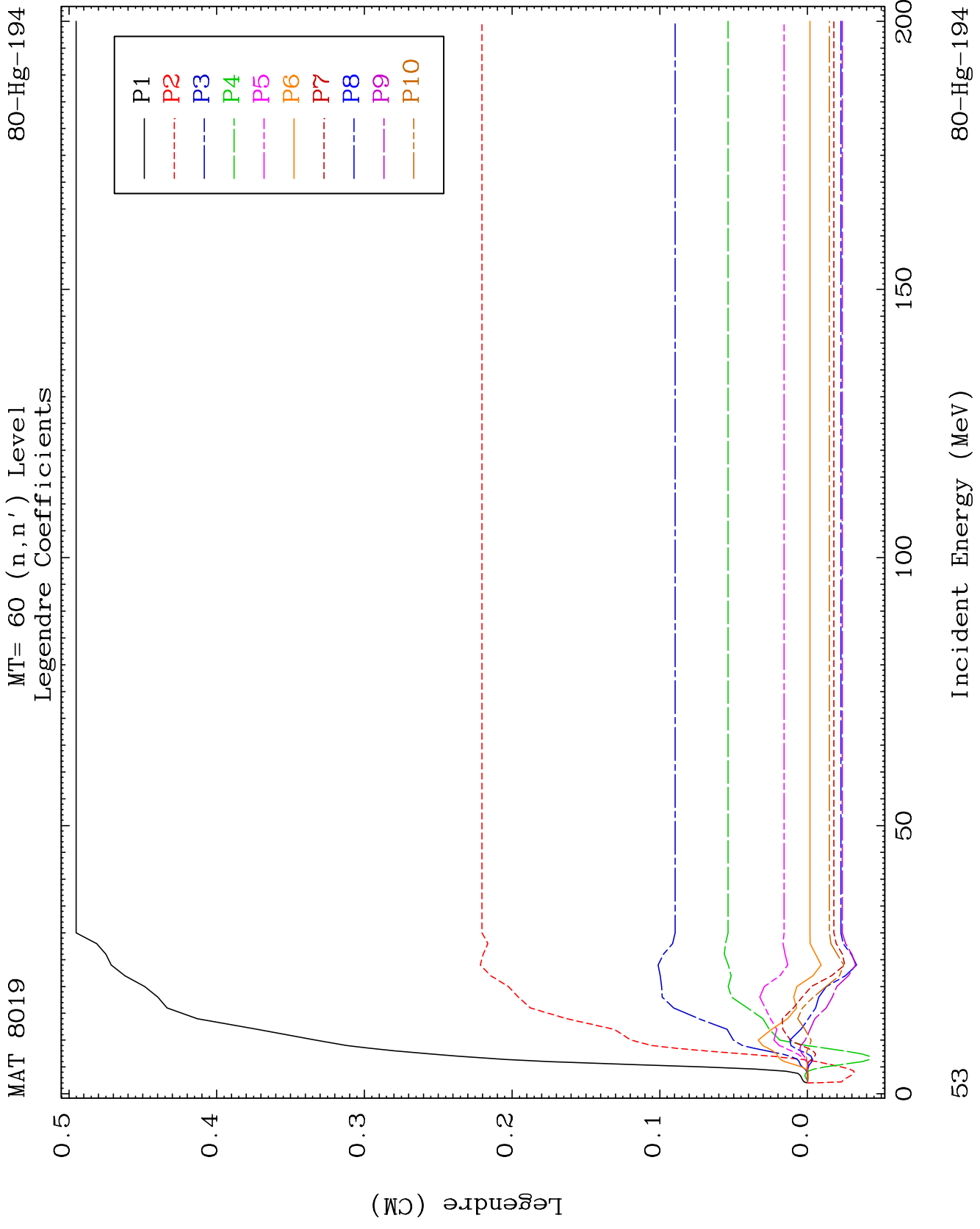
80-Hg-194



51

80-Hg-194

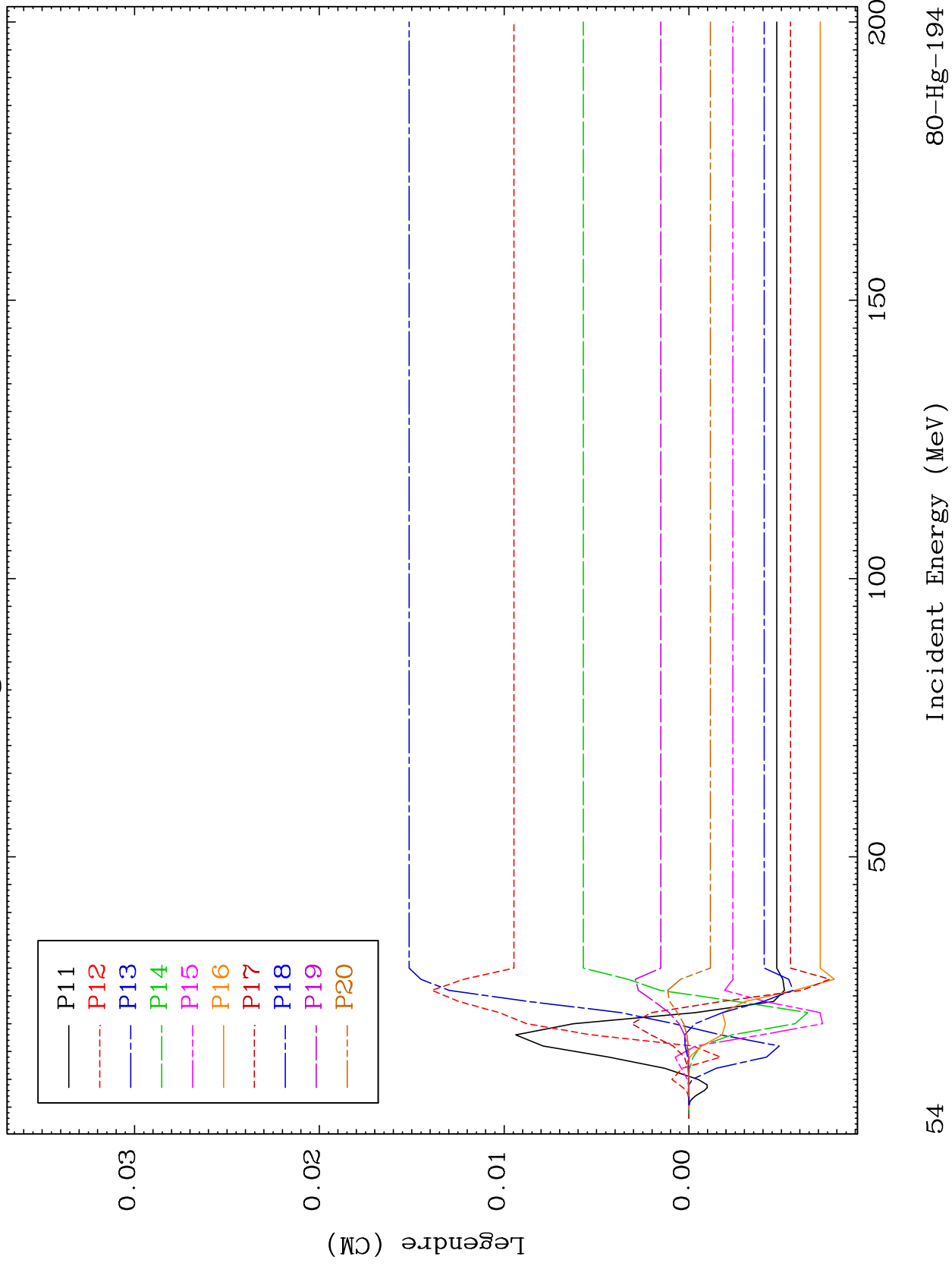




MAT 8019

80-Hg-194

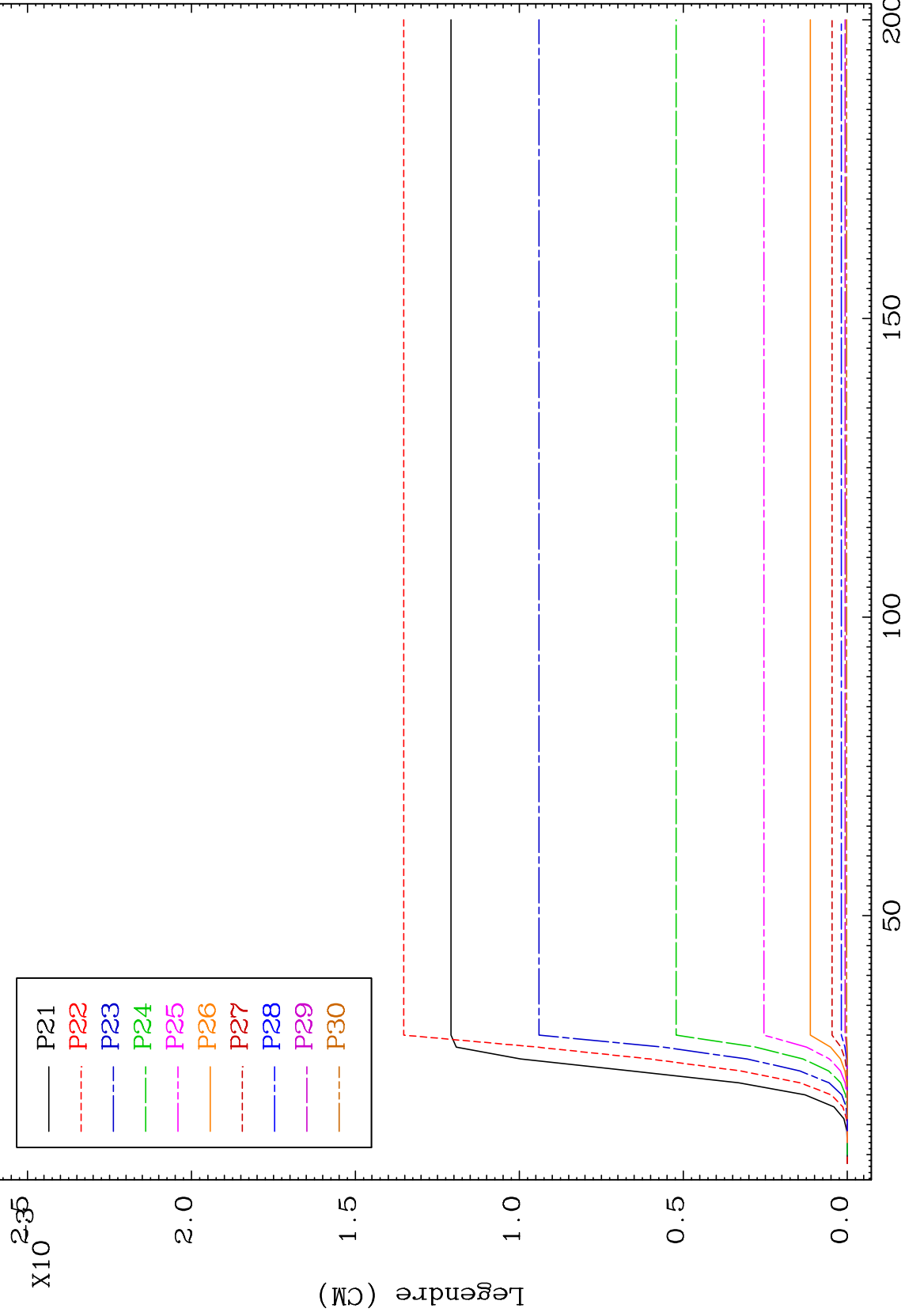
MT= 60 (n,n') Level  
Legendre Coefficients



MAT 8019

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

80-Hg-194

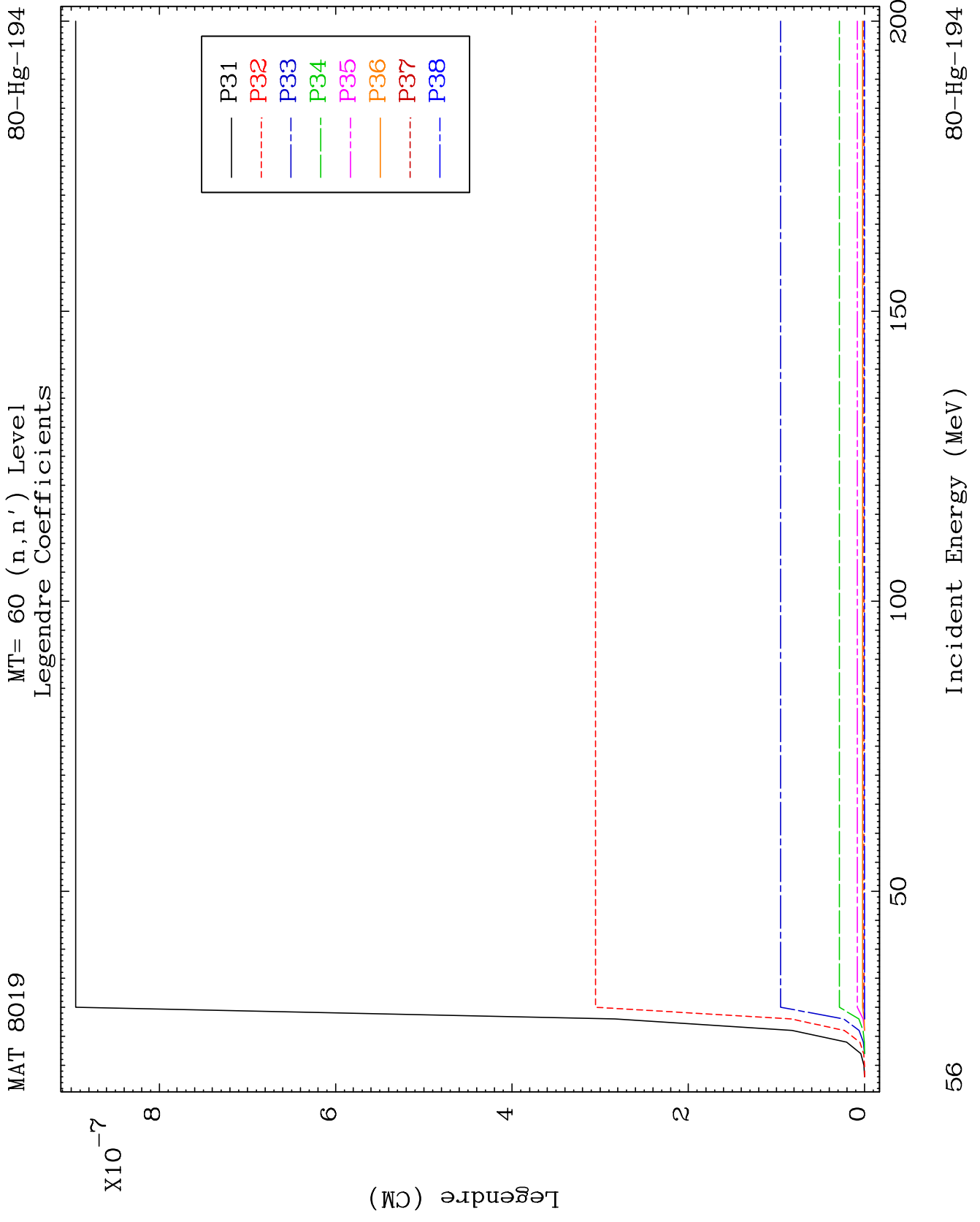


80-Hg-194

Incident Energy (MeV)

55

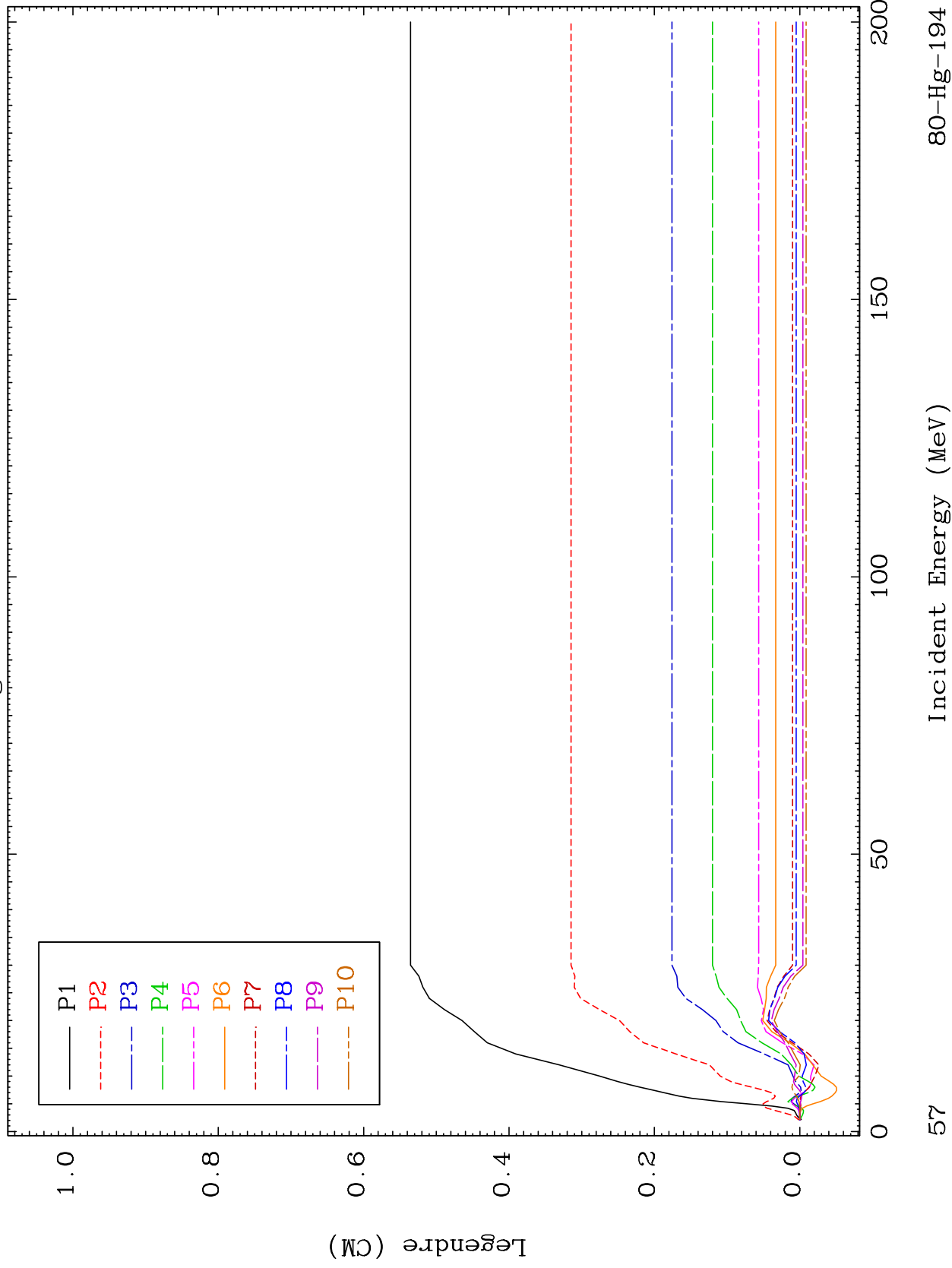




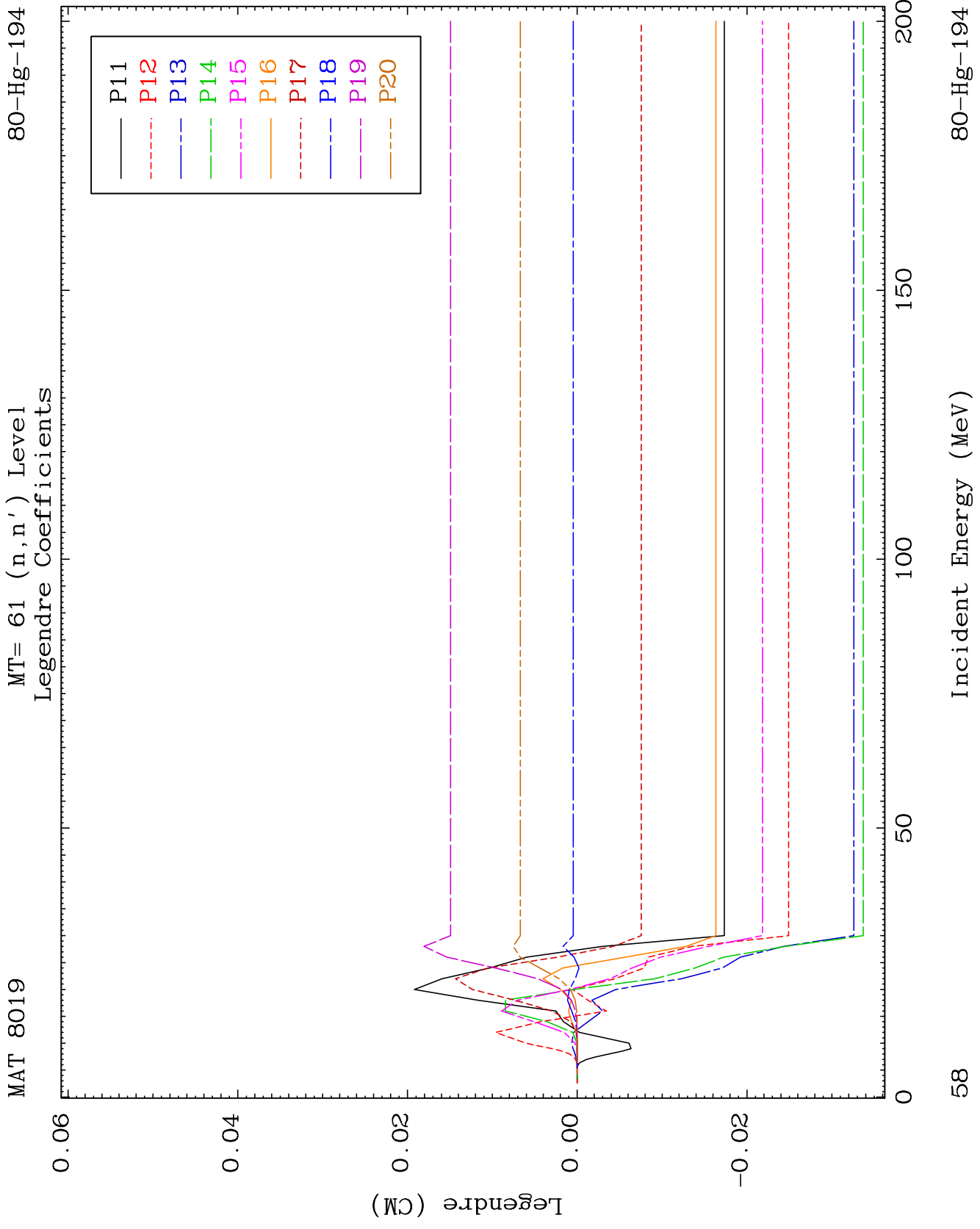
MAT 8019

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

80-Hg-194



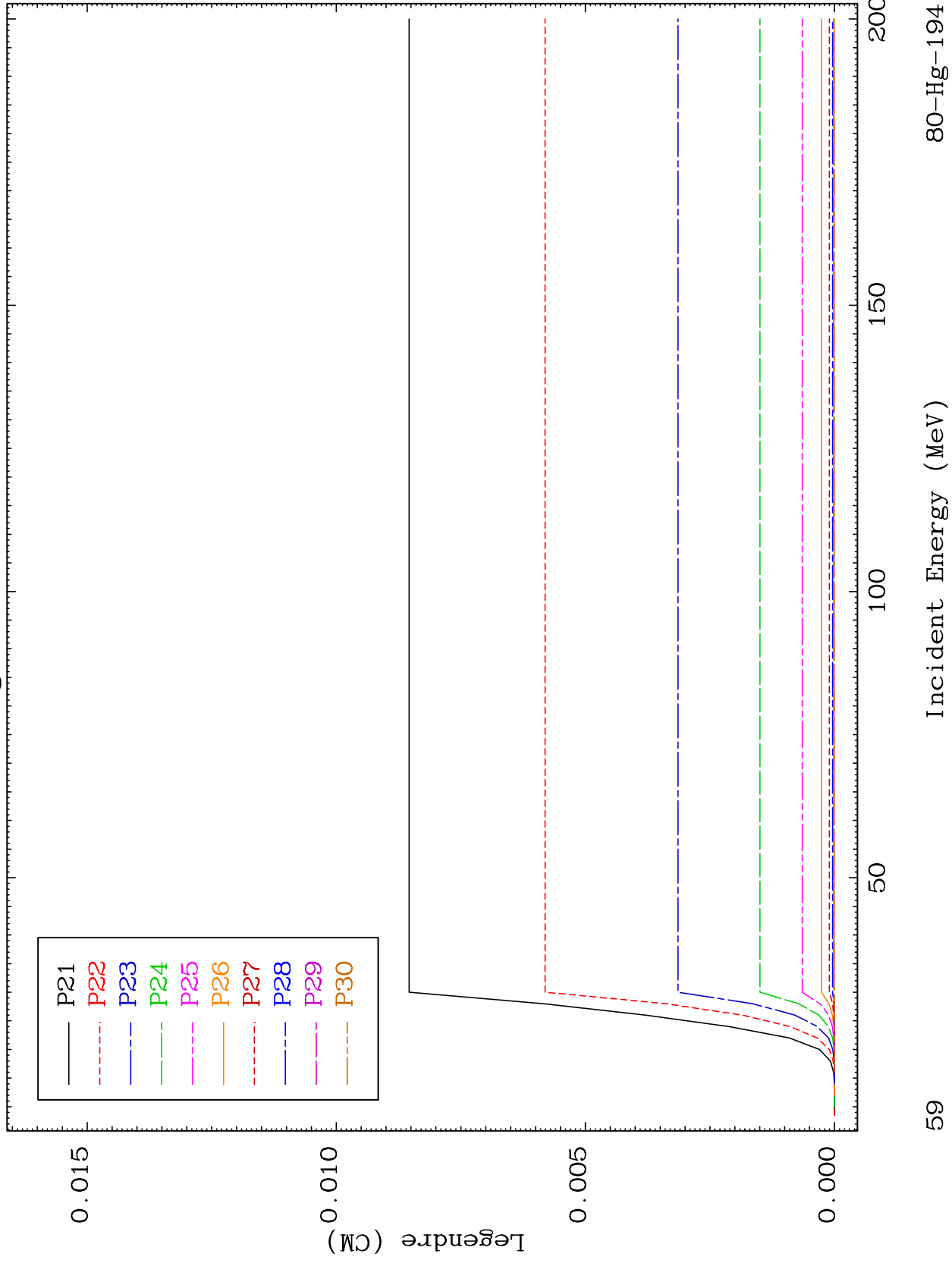
57



MAT 8019

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

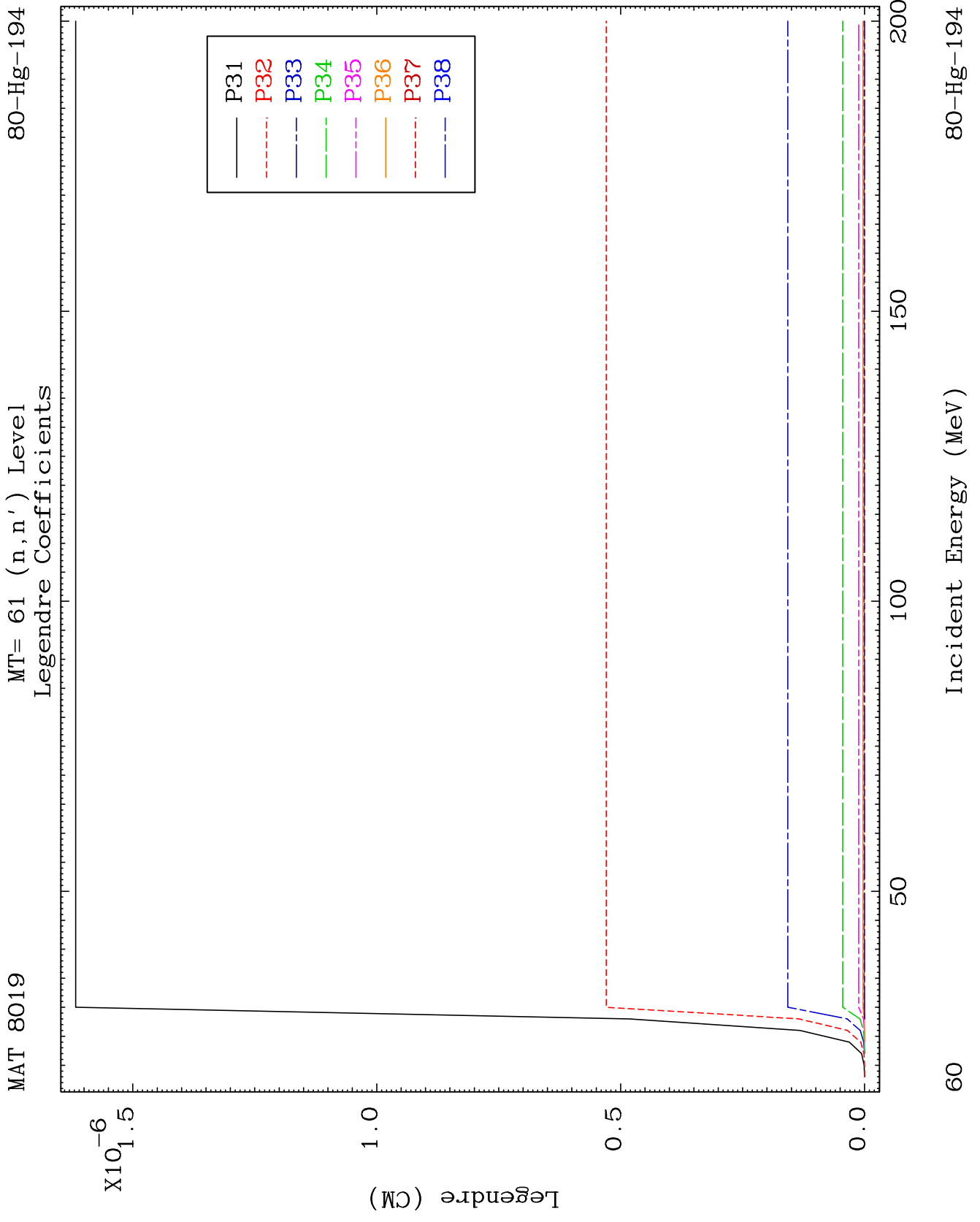
80-Hg-194



59

Incident Energy (MeV)

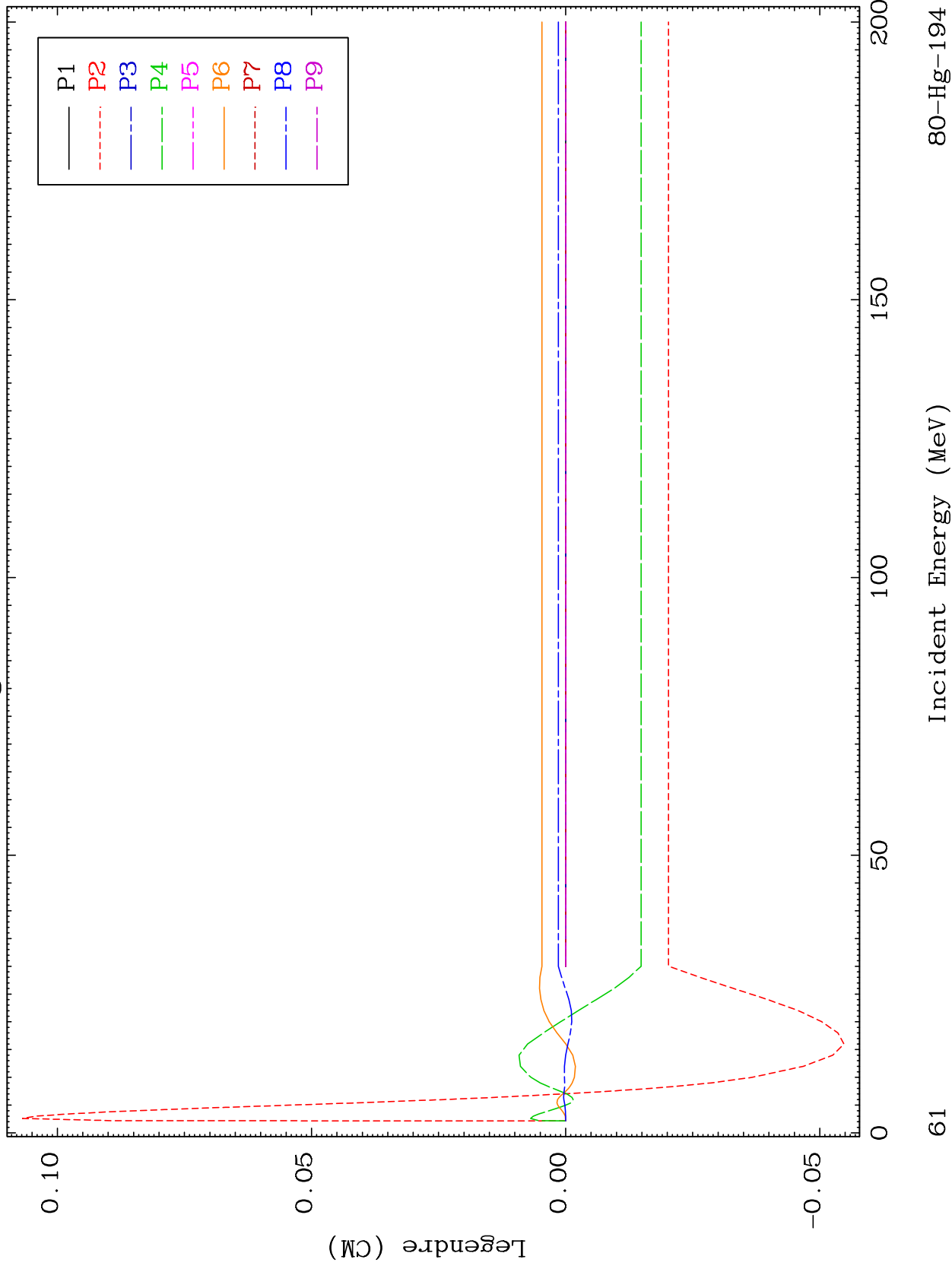
80-Hg-194



MAT 8019

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

80-Hg-194



61

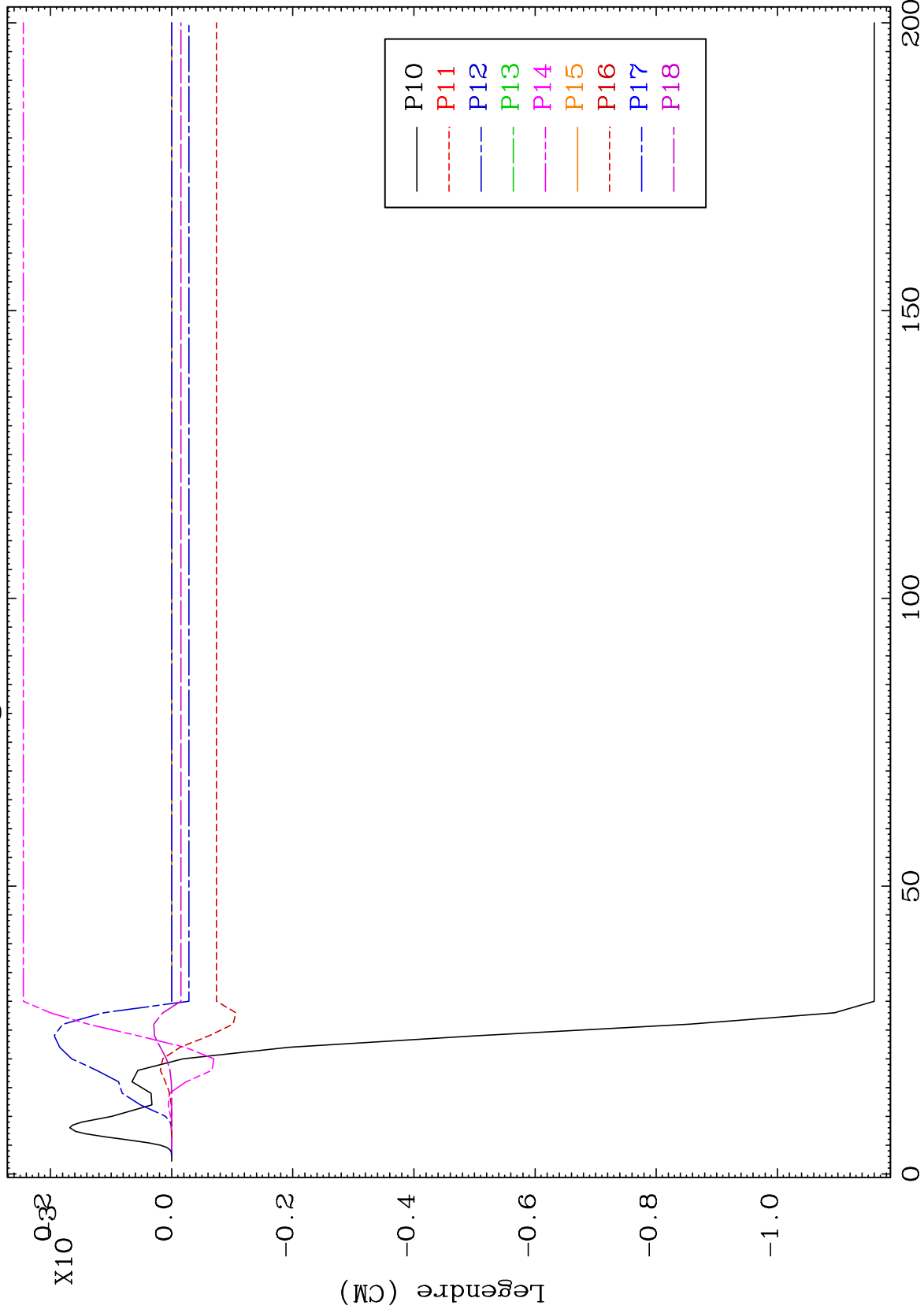
Incident Energy (MeV)

80-Hg-194

MAT 8019

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

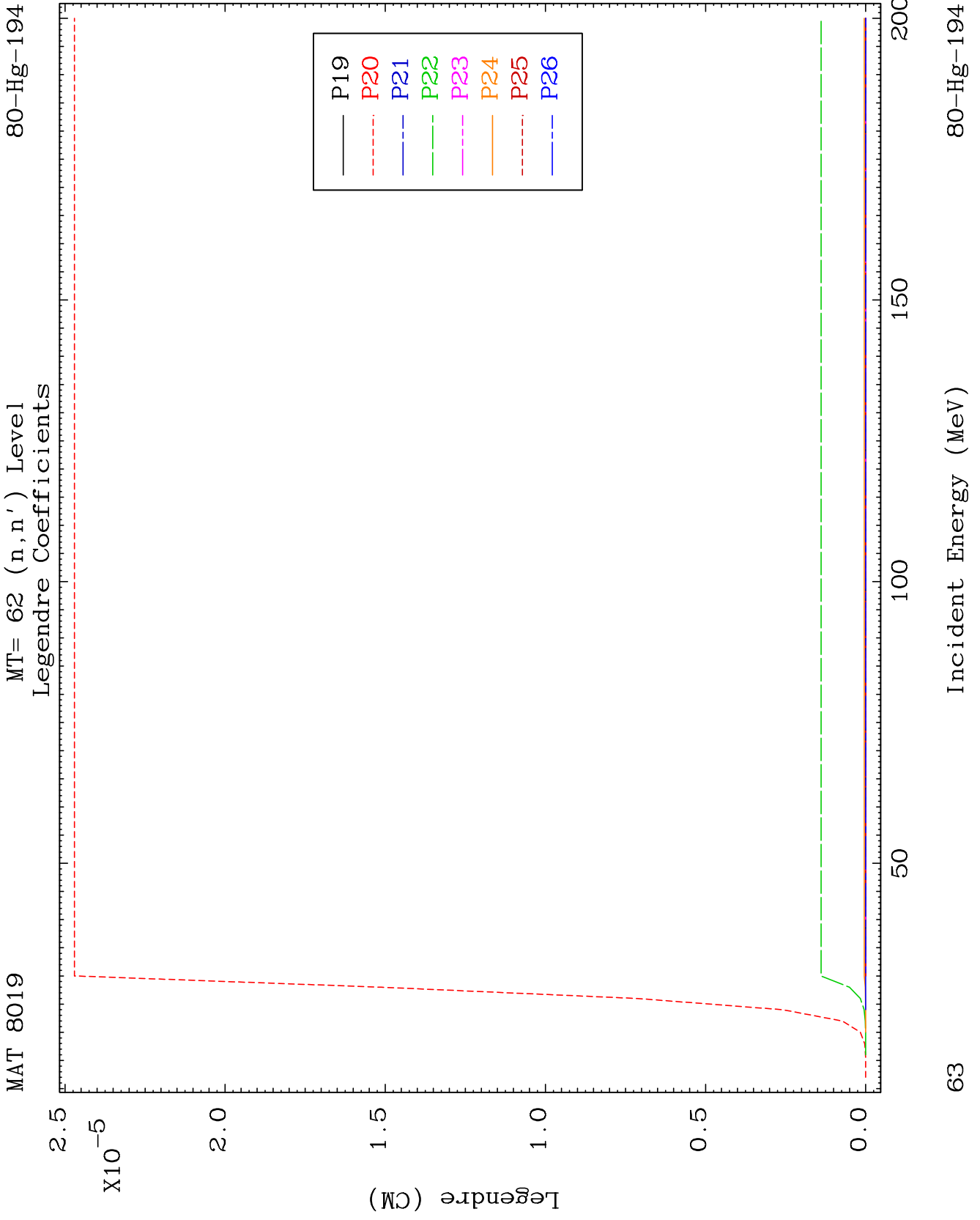
80-Hg-194



62

Incident Energy (MeV)

80-Hg-194



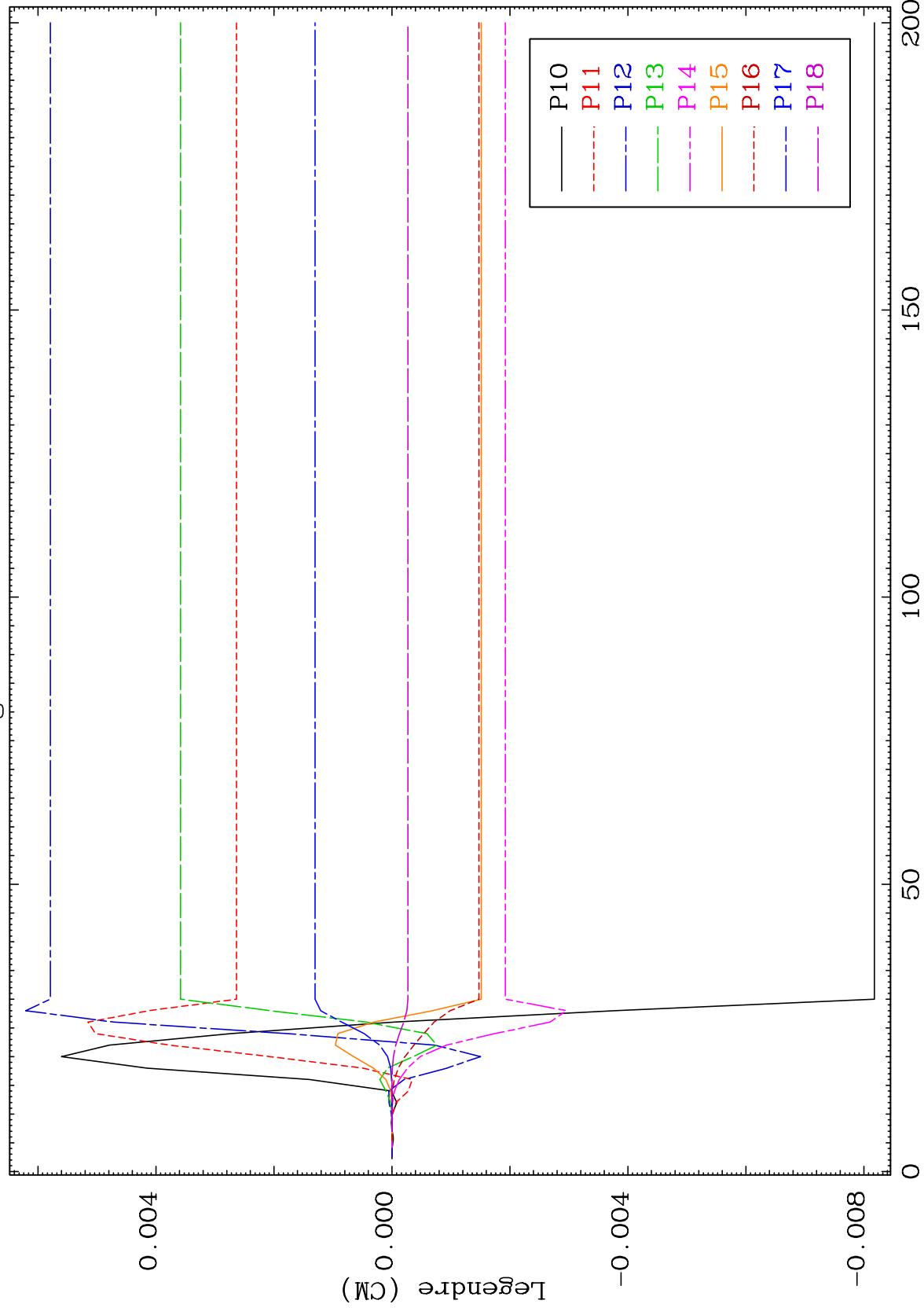




MAT 8019

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

80-Hg-194



65

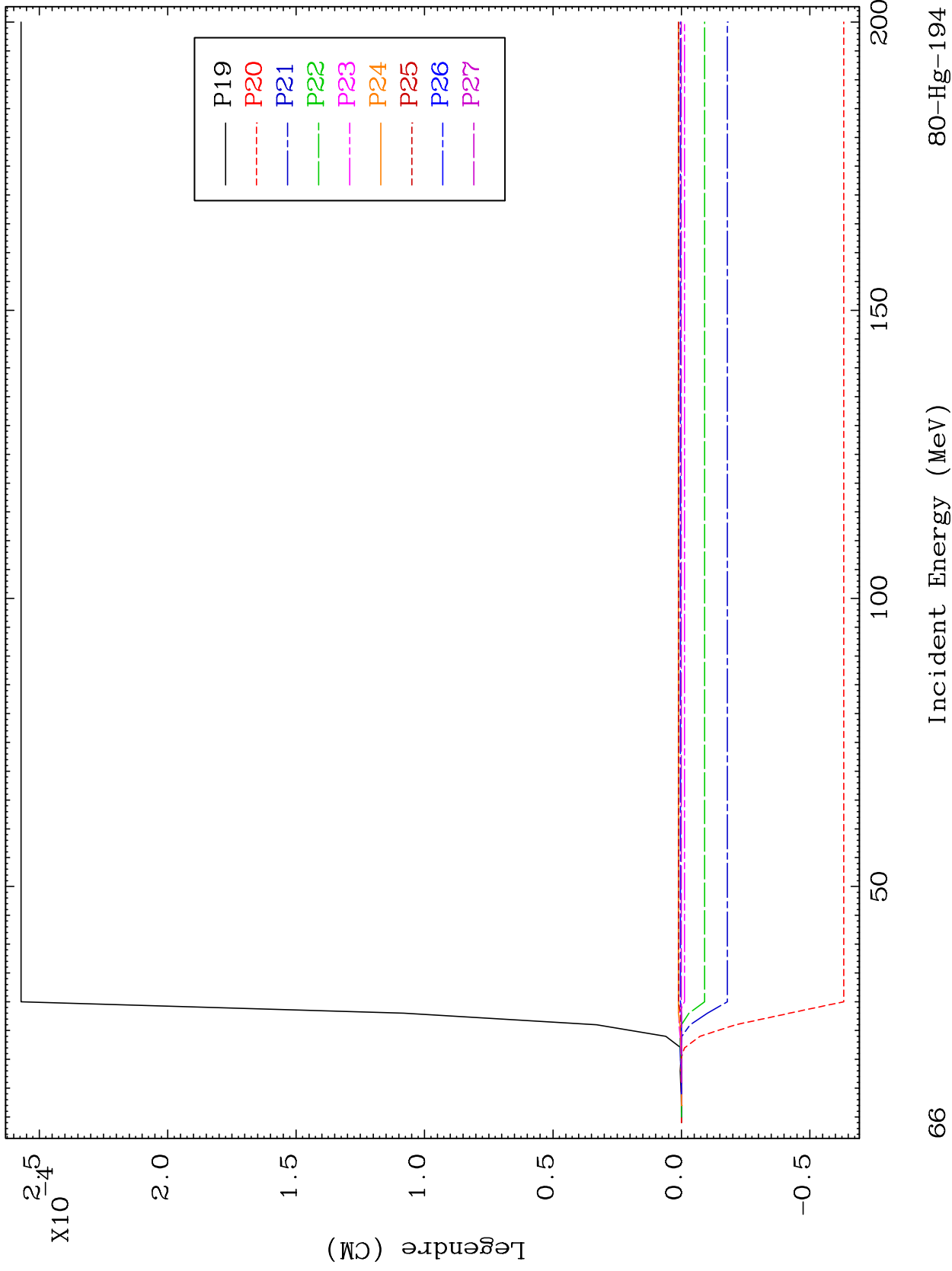
Incident Energy (MeV)

80-Hg-194

MAT 8019

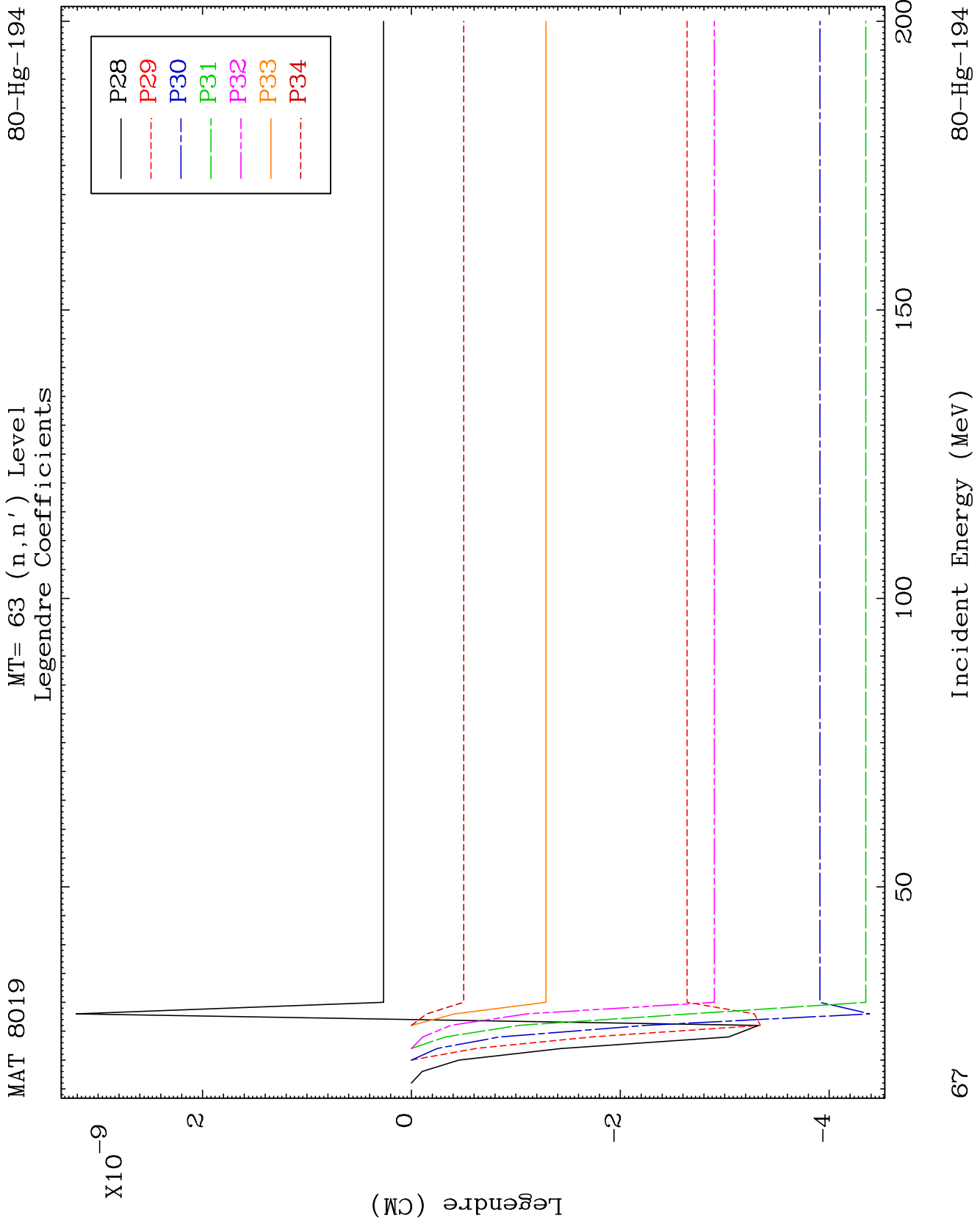
MT= 63 (n,n') Level  
Legendre Coefficients

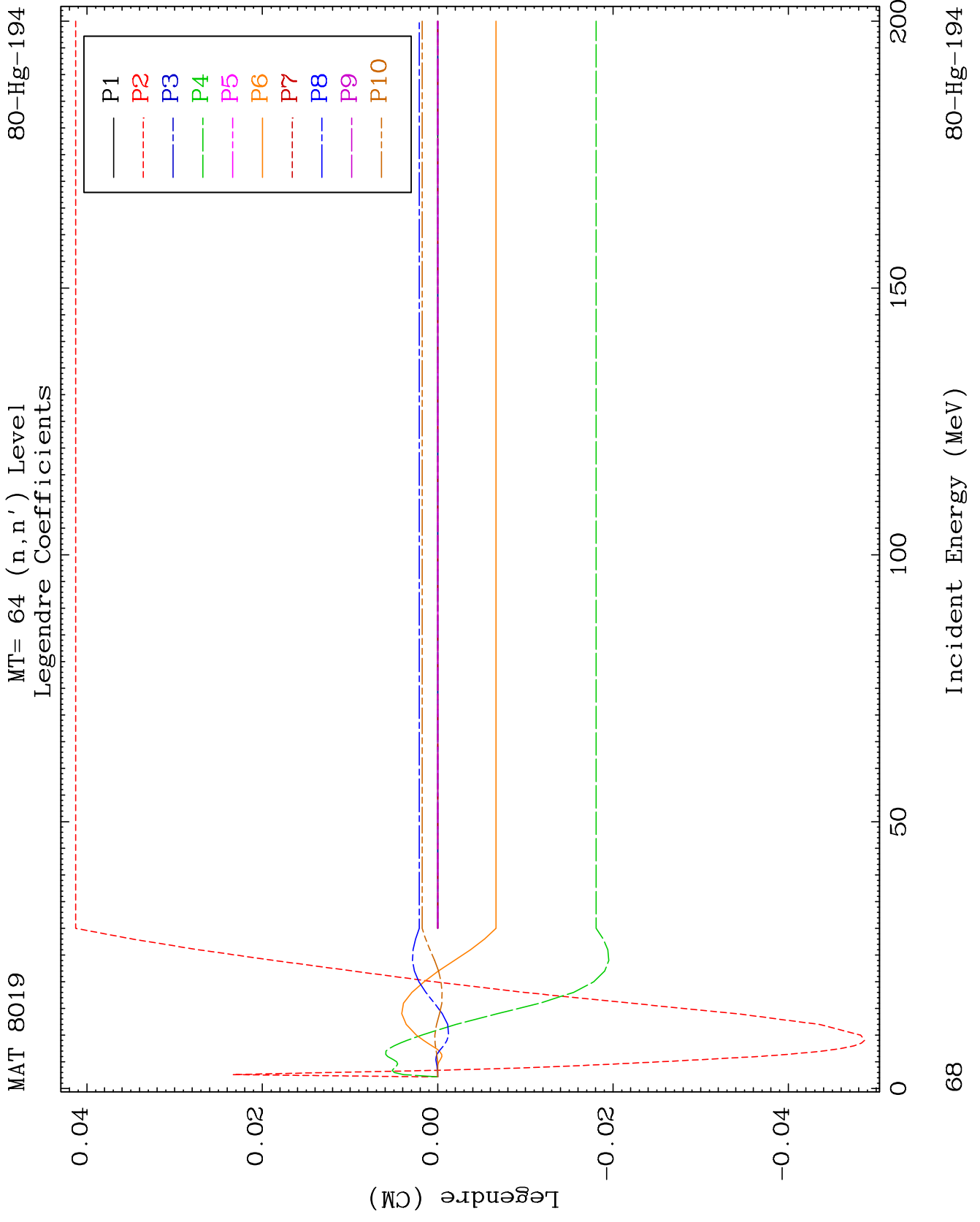
80-Hg-194



66

80-Hg-194

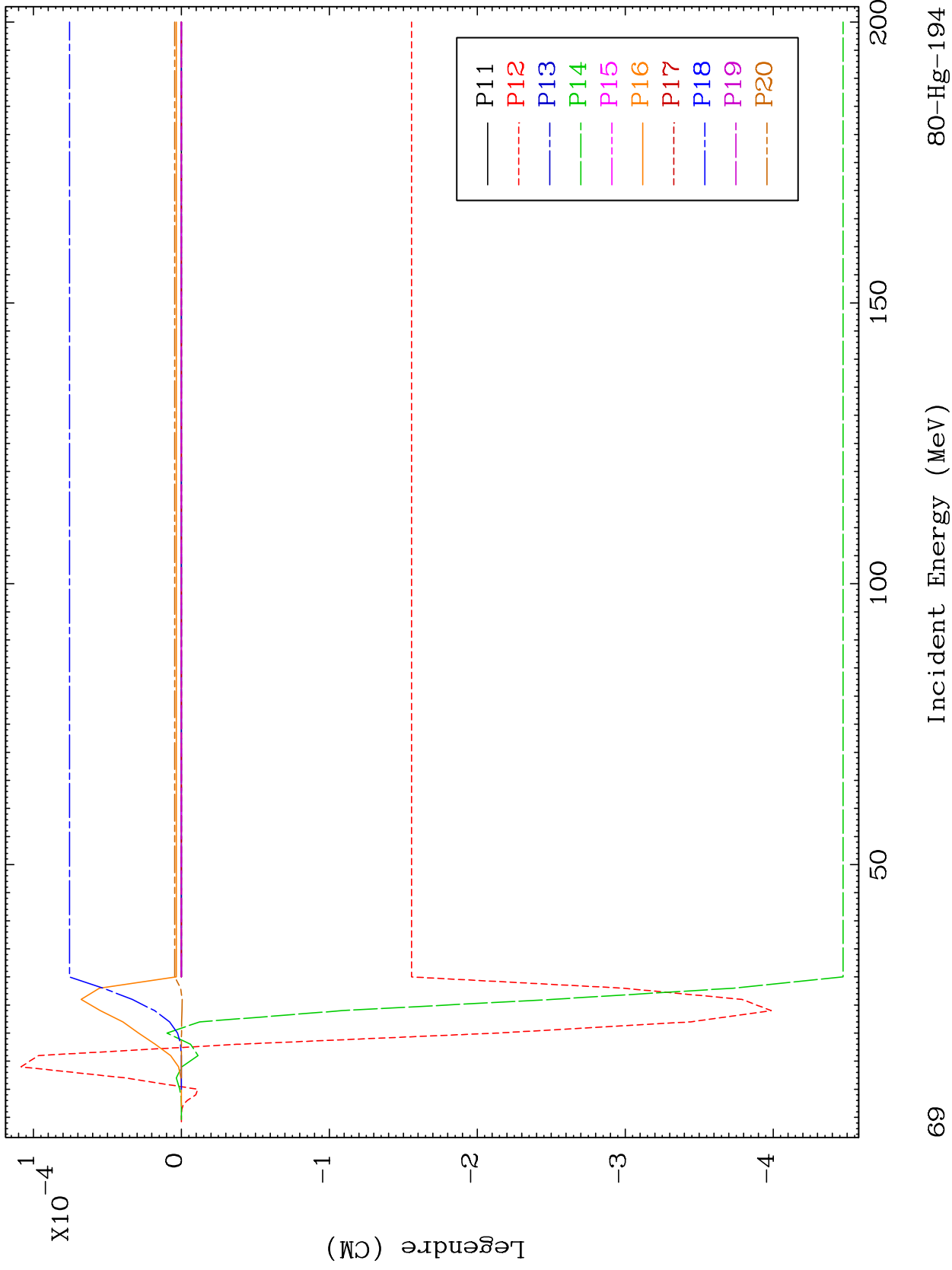


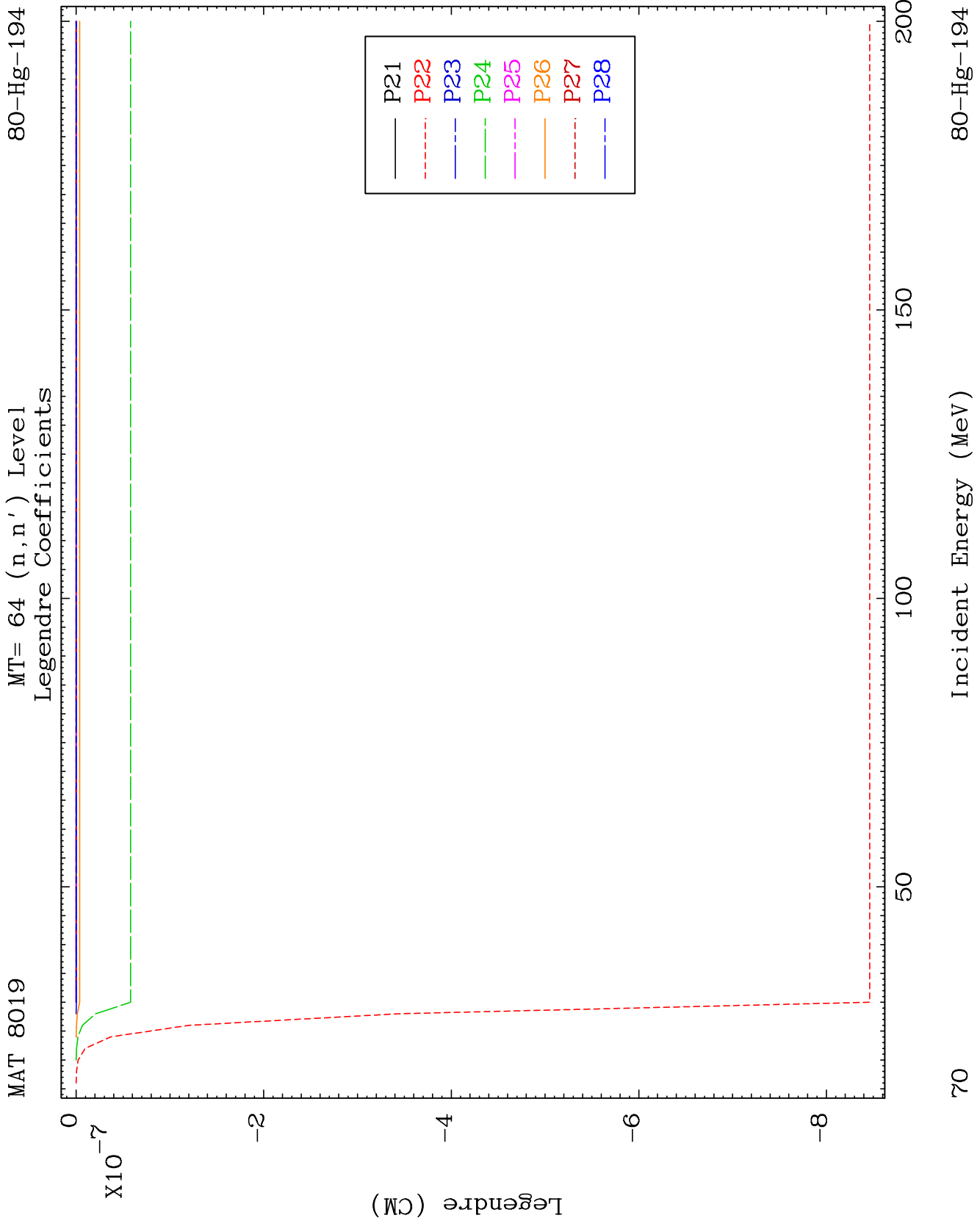


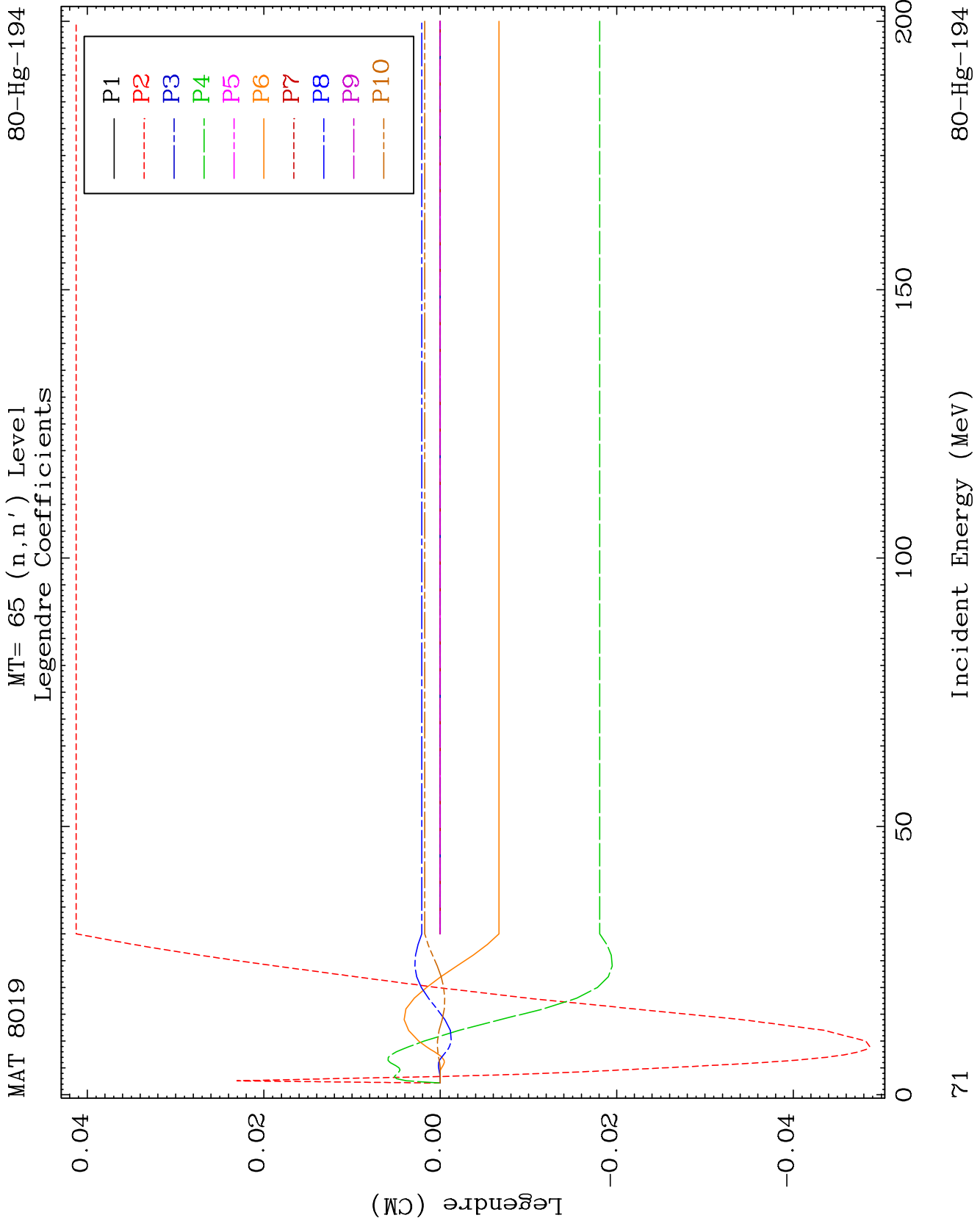
MAT 8019

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

80-Hg-194





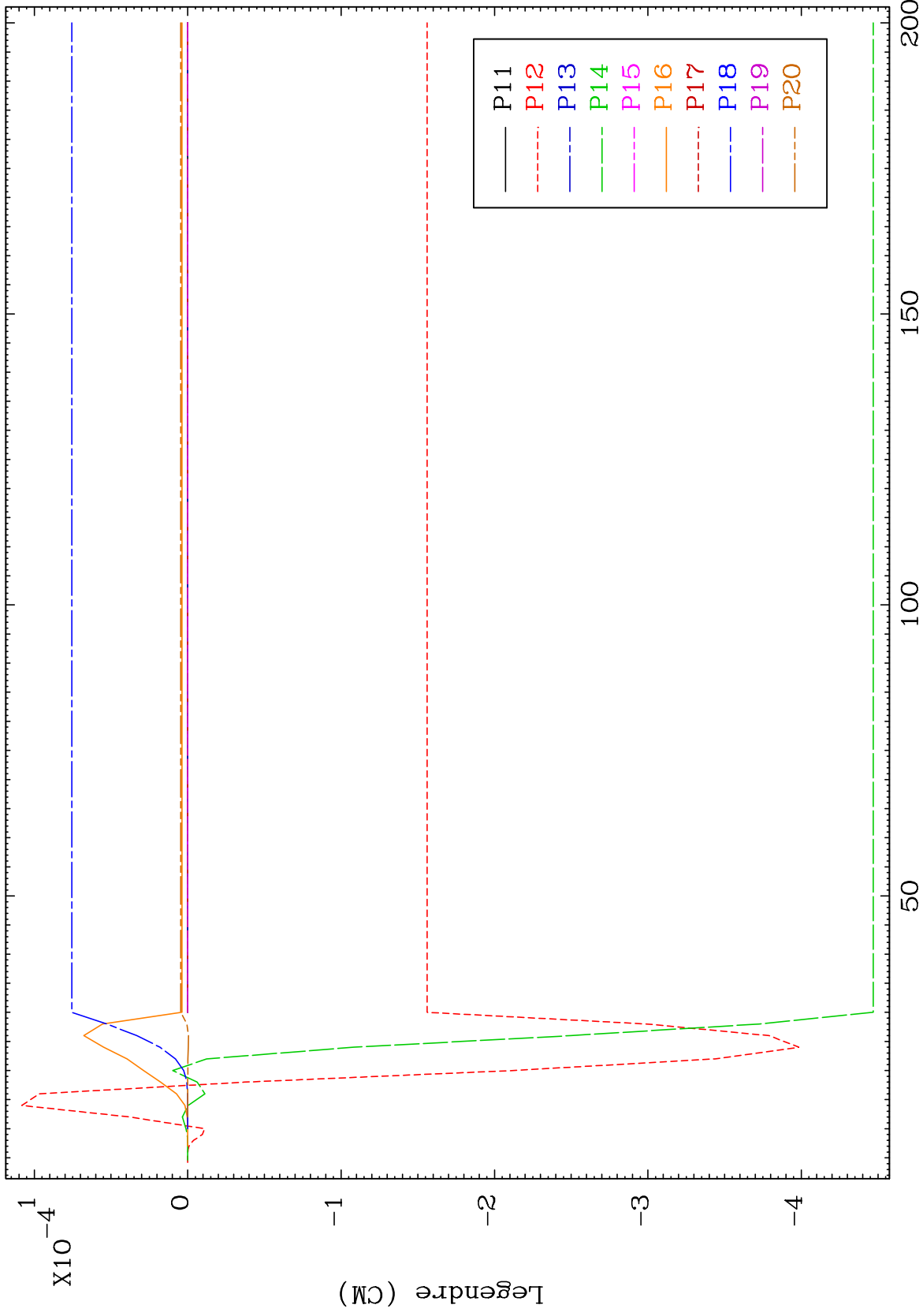




MAT 8019

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

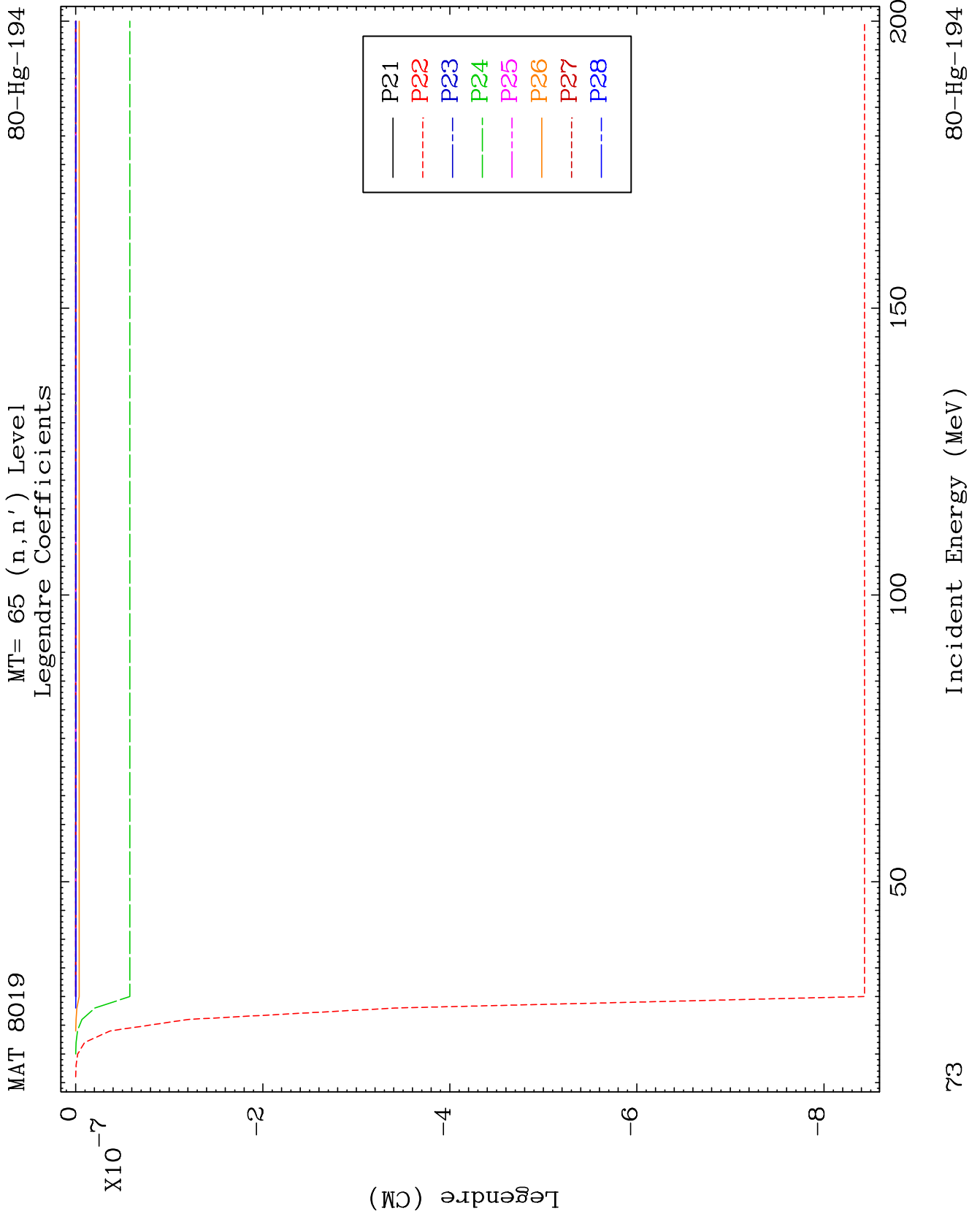
80-Hg-194

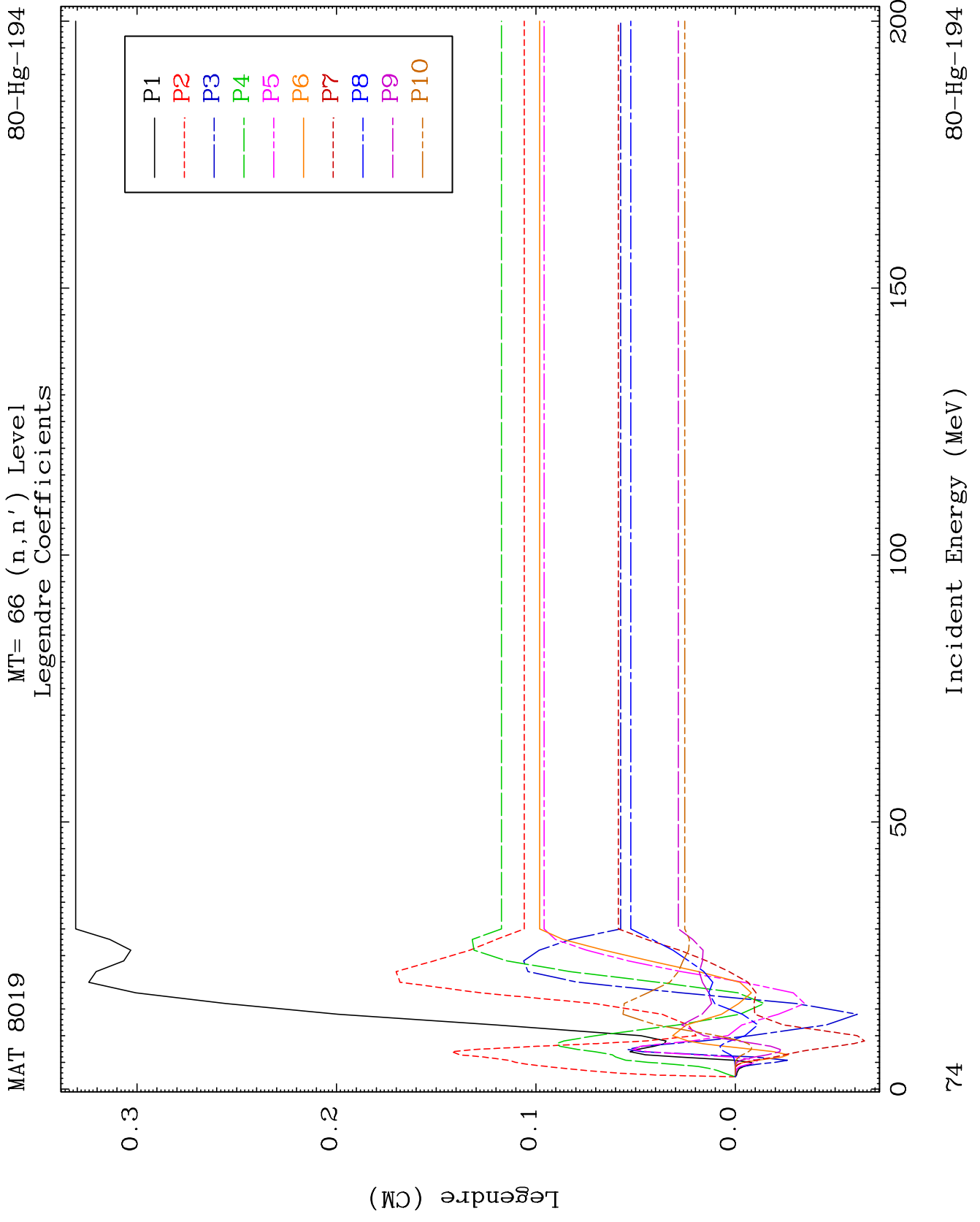


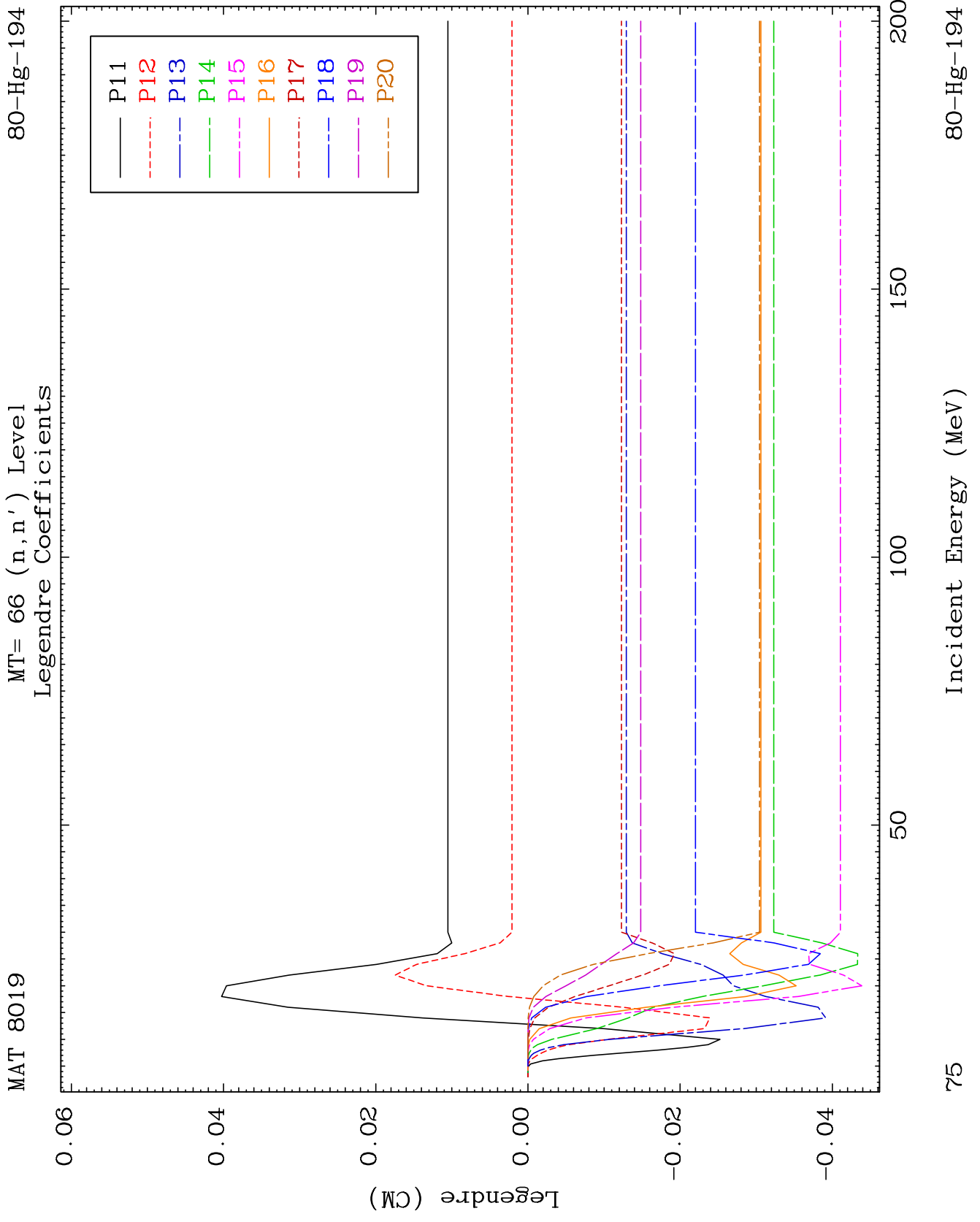
72

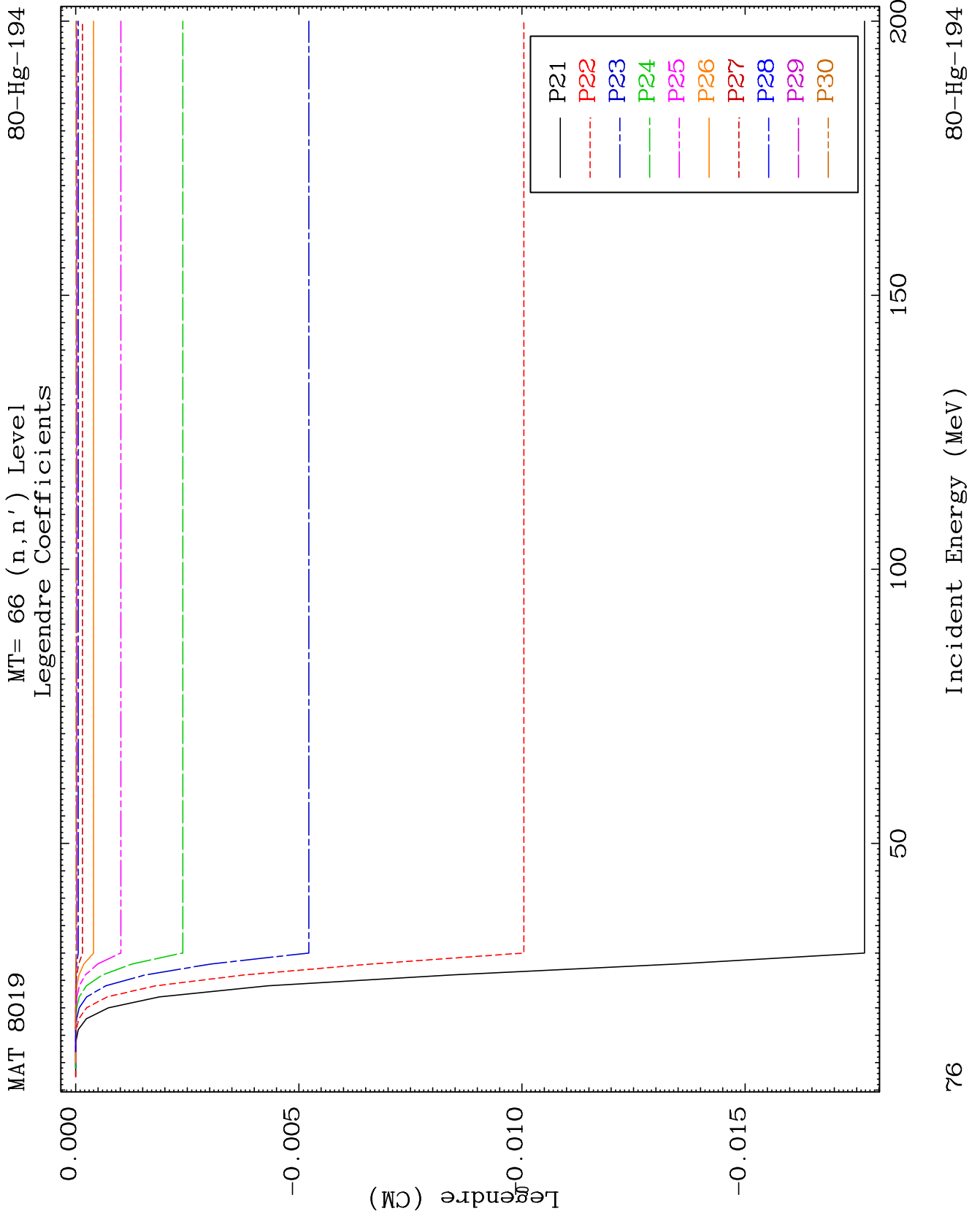
Incident Energy (MeV)

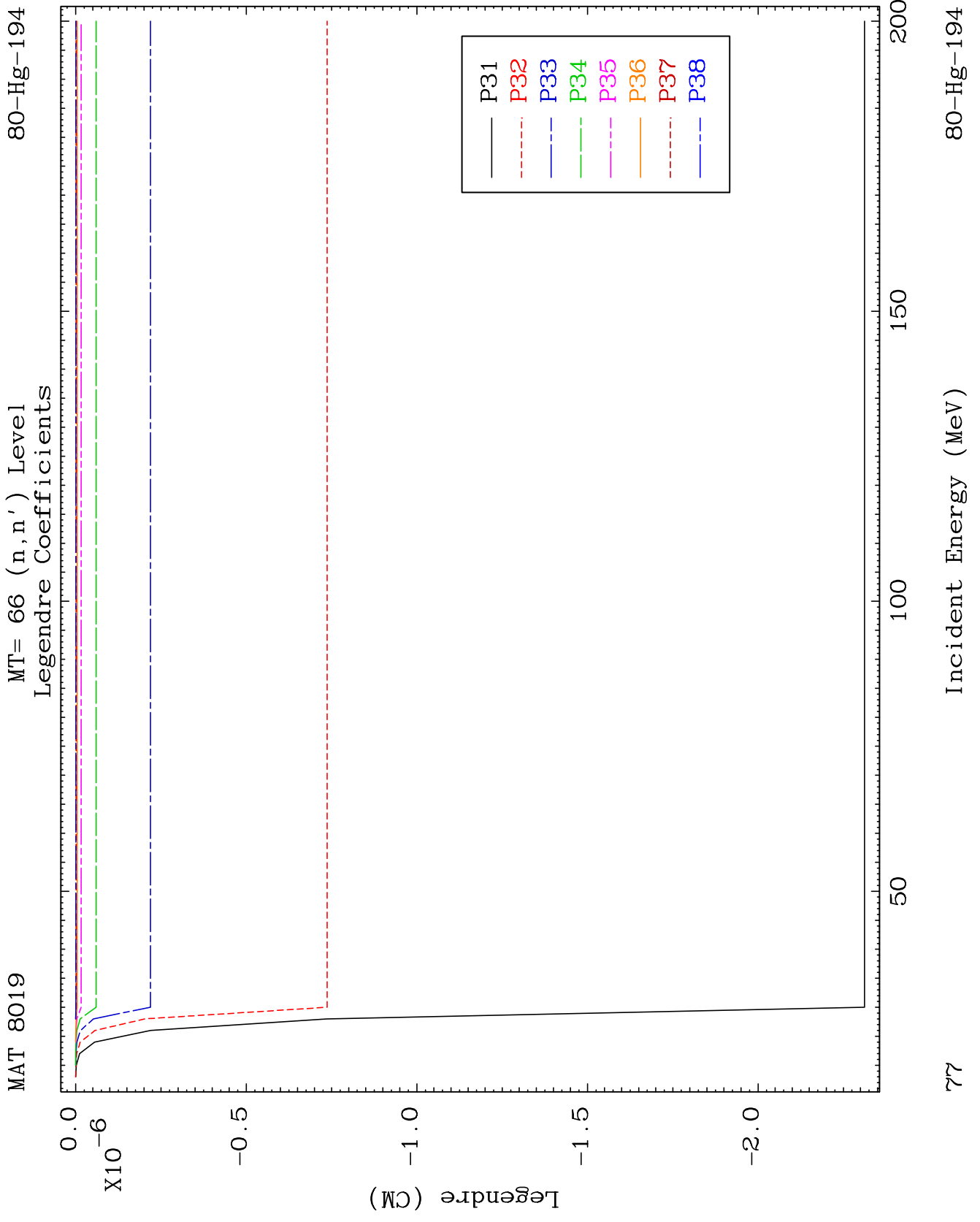
80-Hg-194

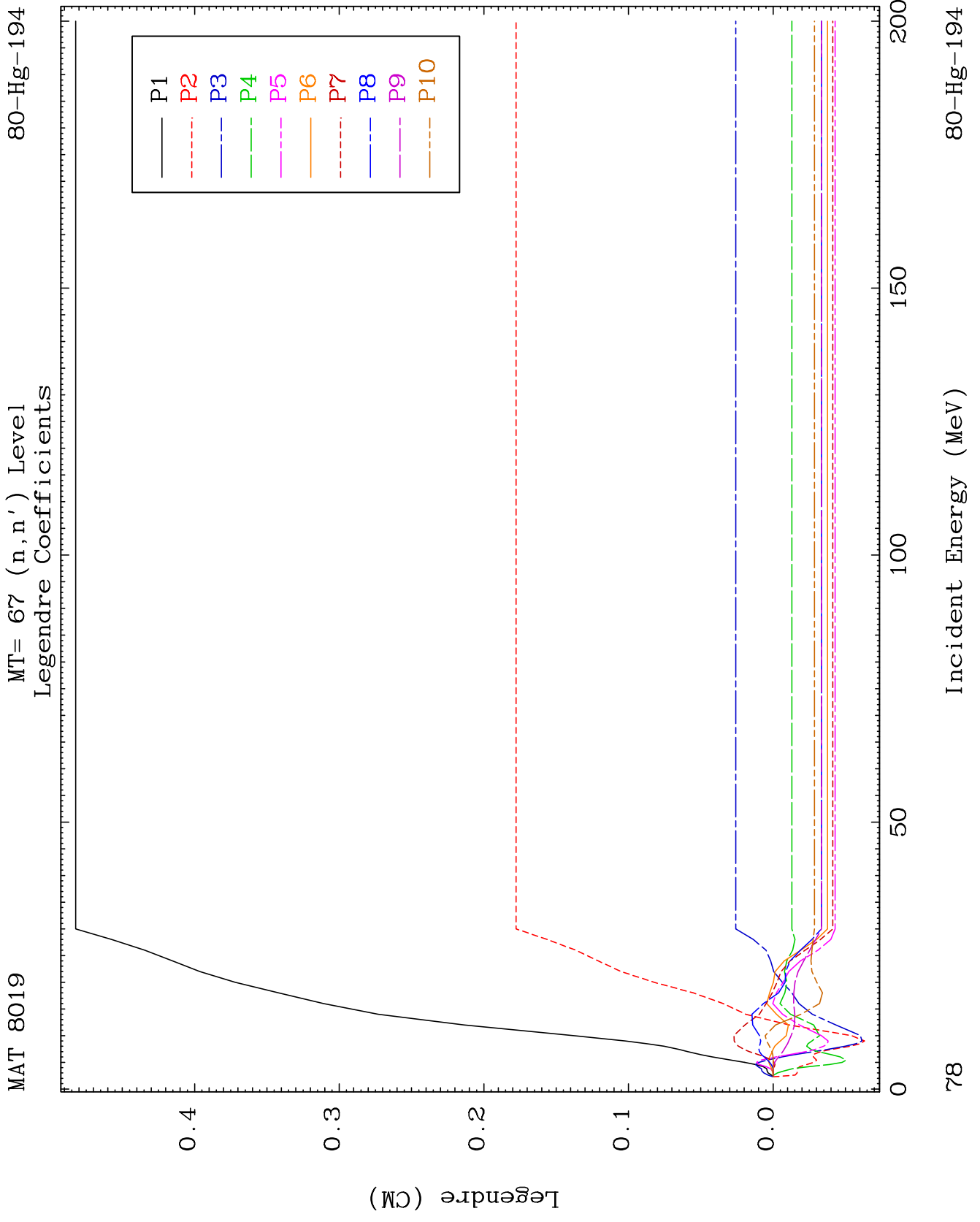








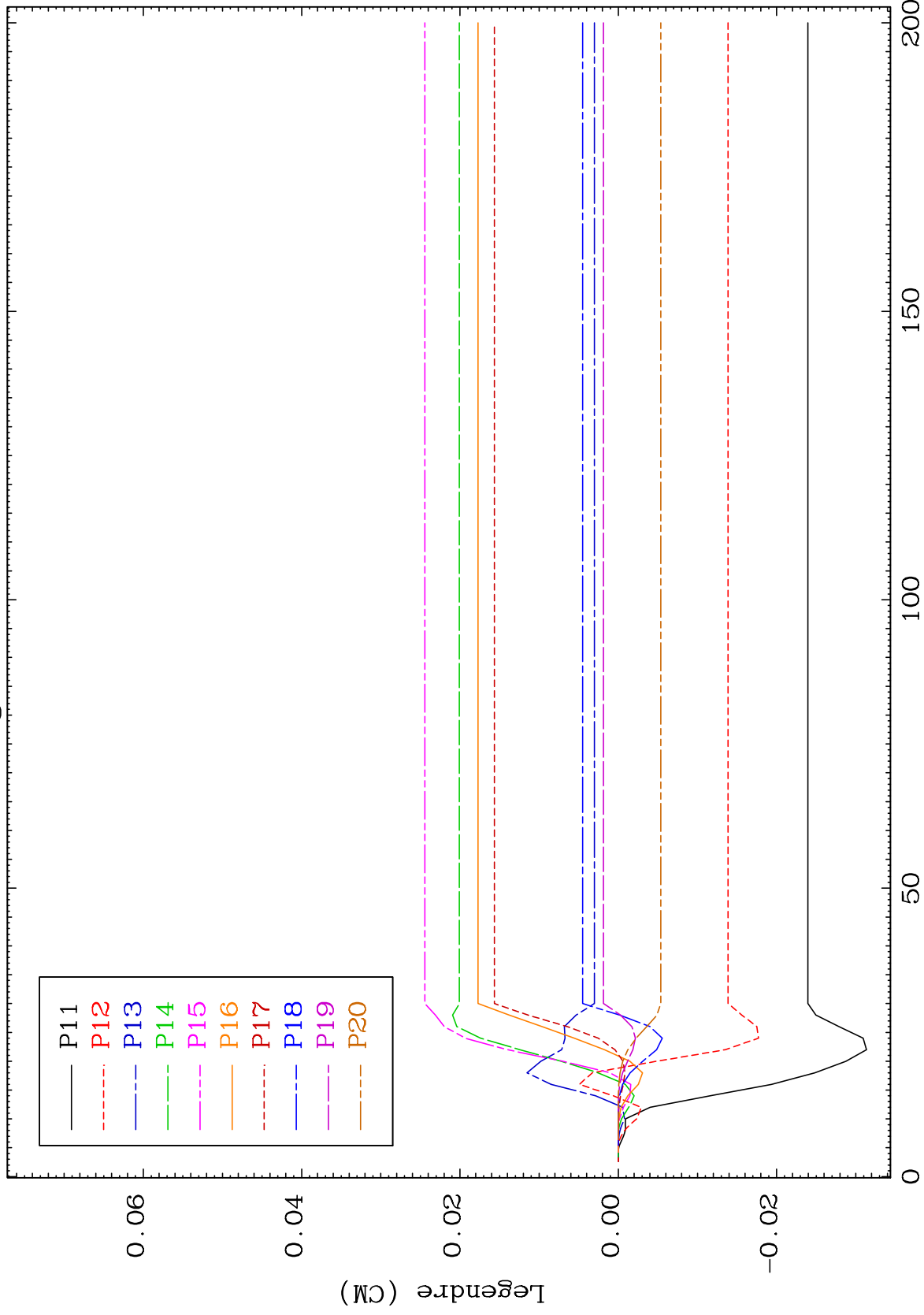




MAT 8019

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

80-Hg-194

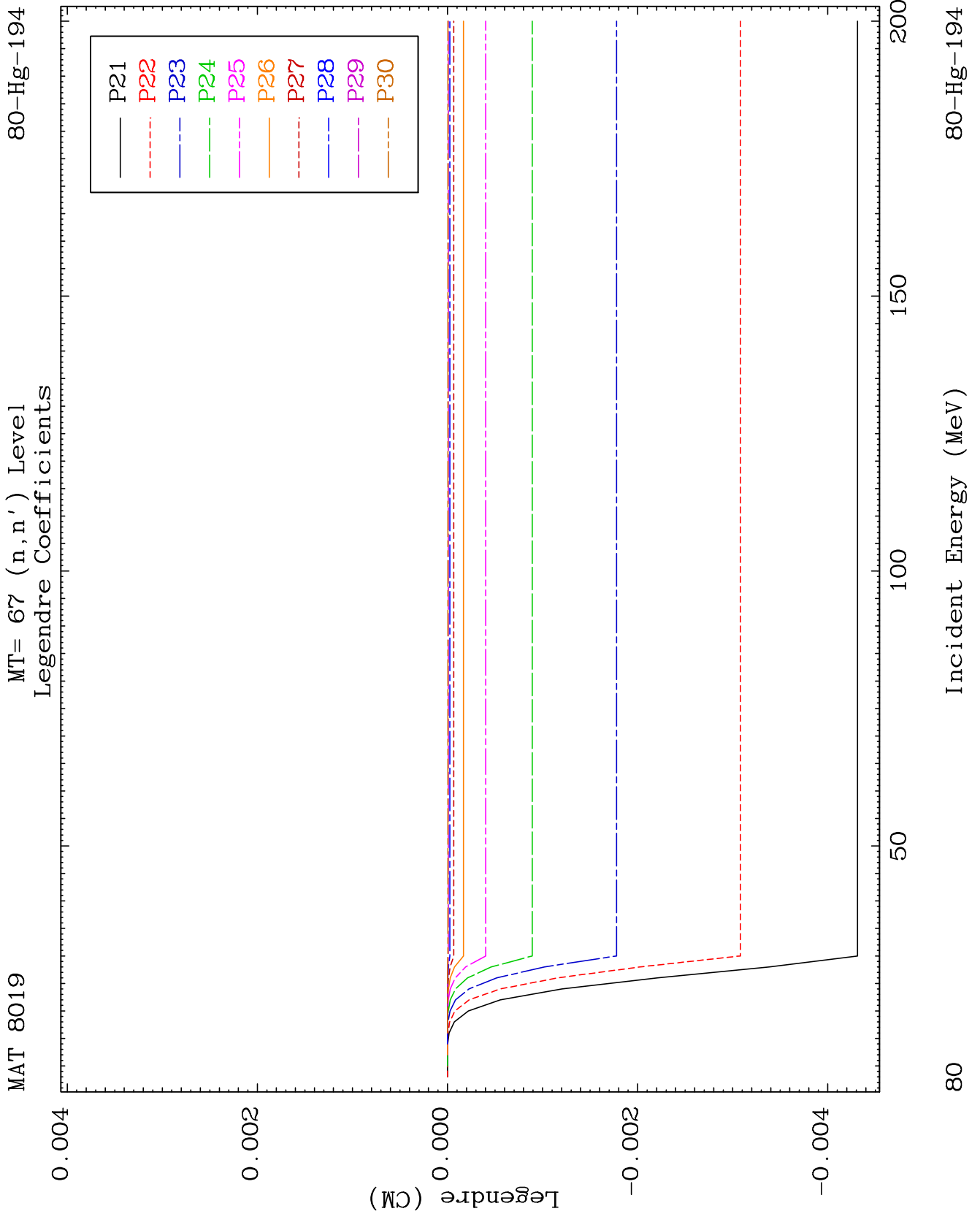


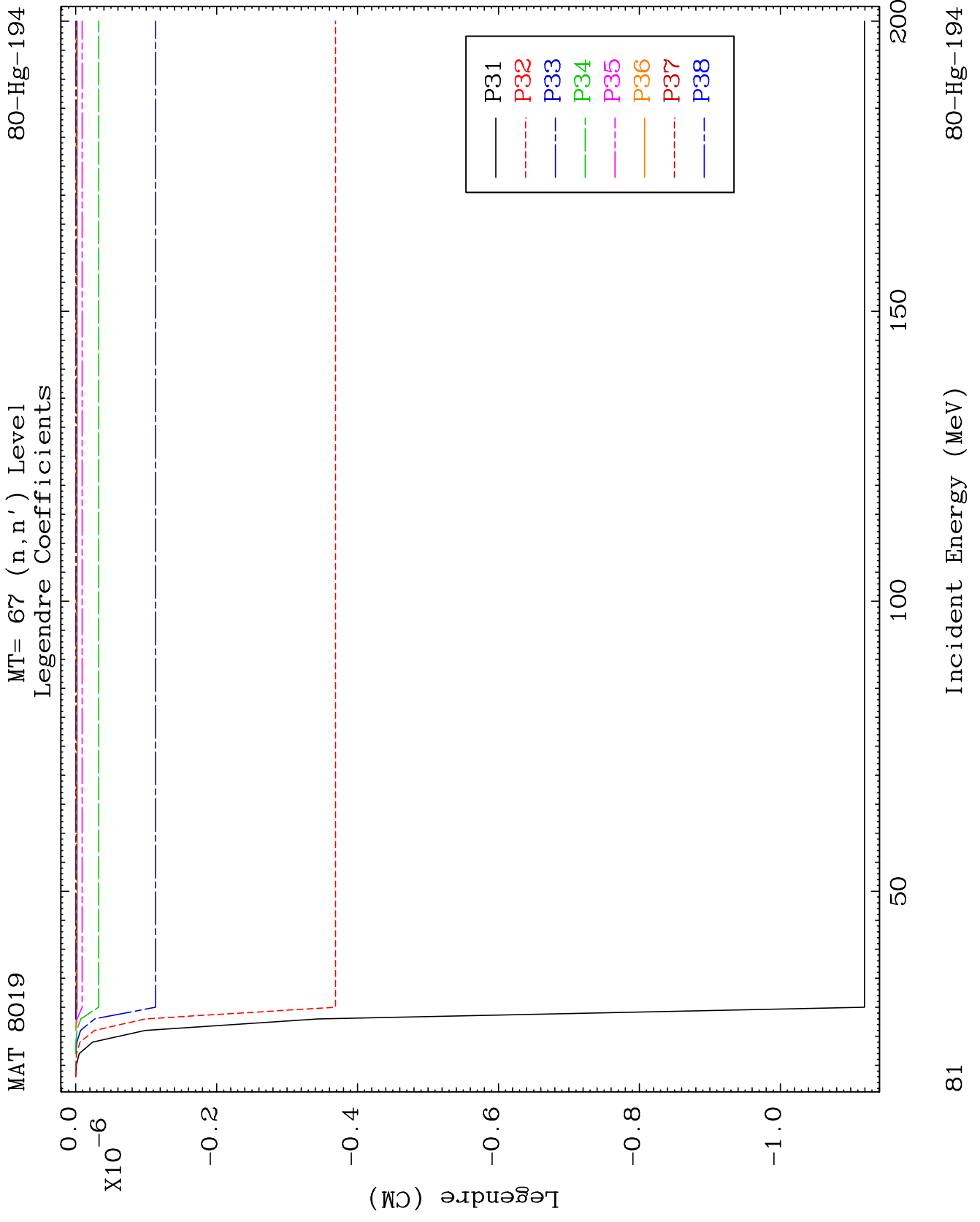
79

Incident Energy (MeV)

80-Hg-194



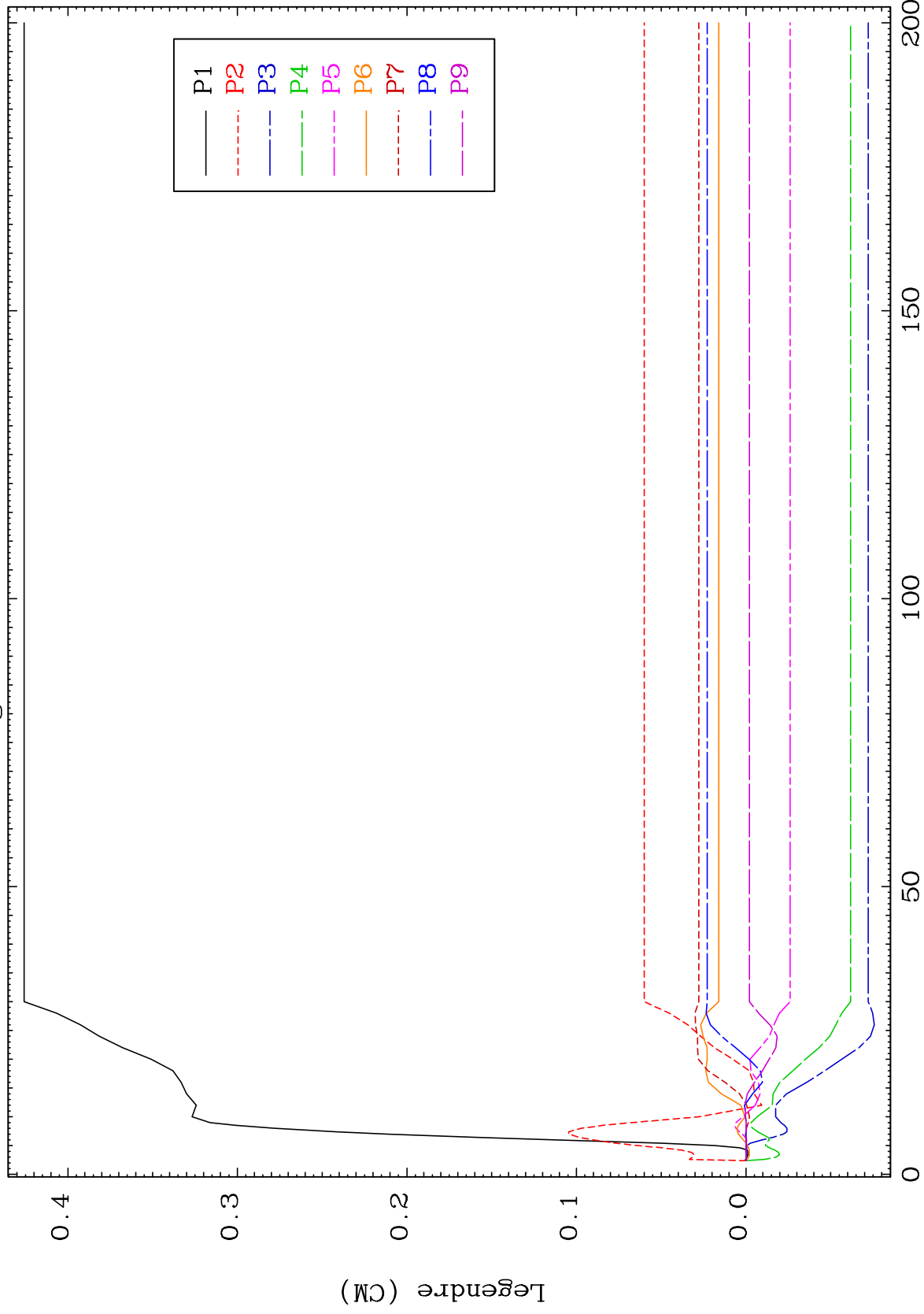




MAT 8019

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

80-Hg-194



82

Incident Energy (MeV)

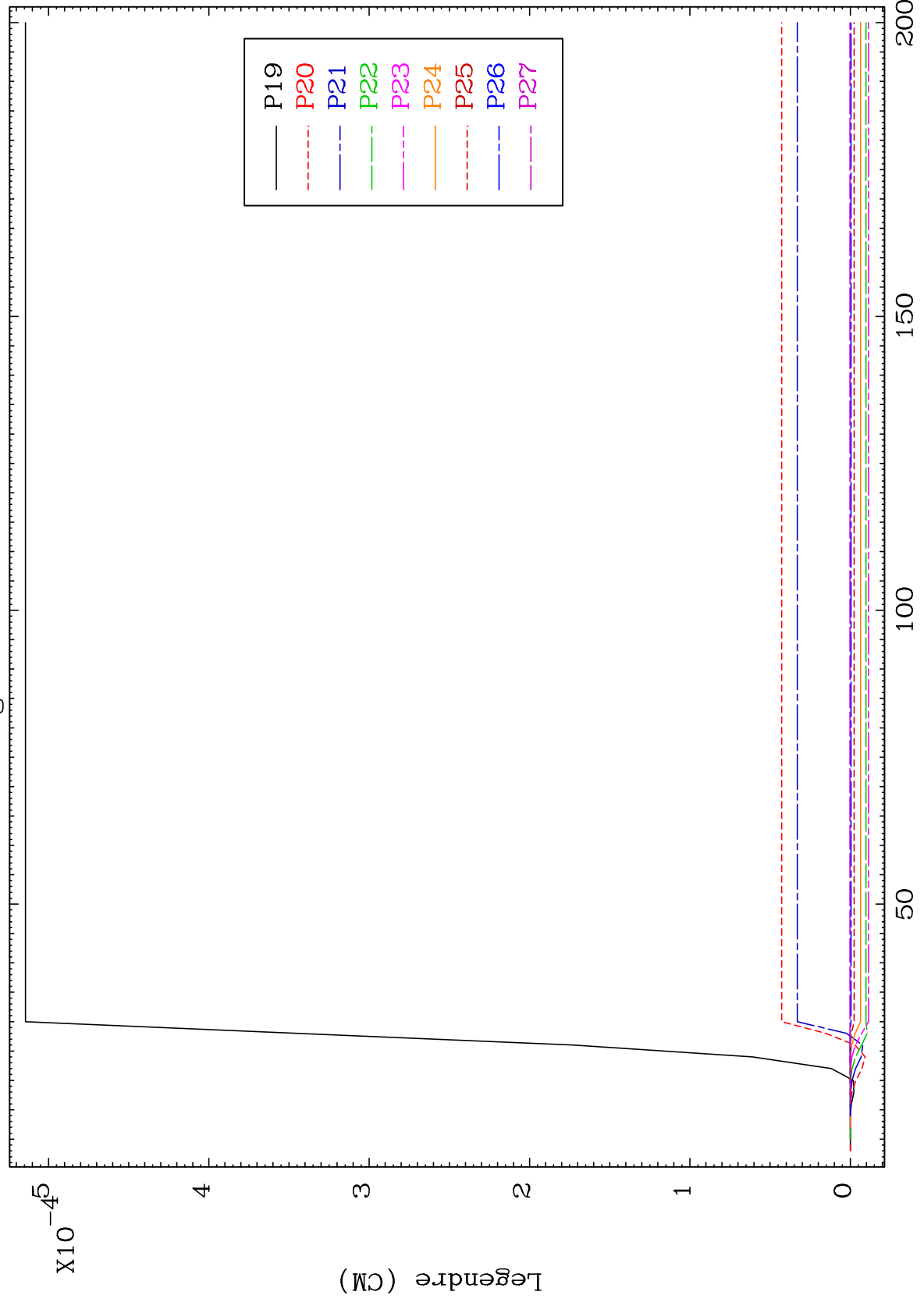
80-Hg-194



MAT 8019

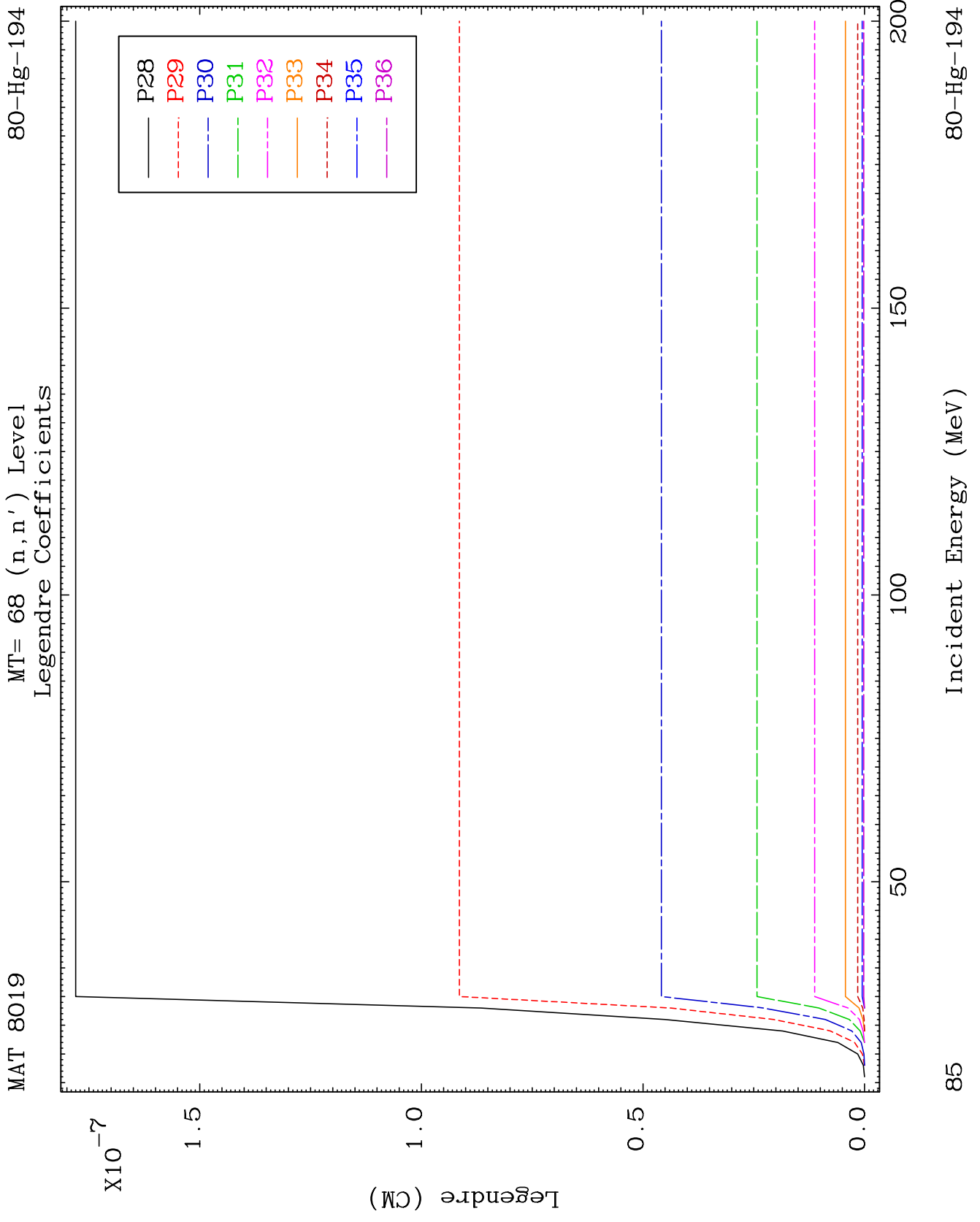
MT= 68 (n,n') Level  
Legendre Coefficients

80-Hg-194



84

80-Hg-194

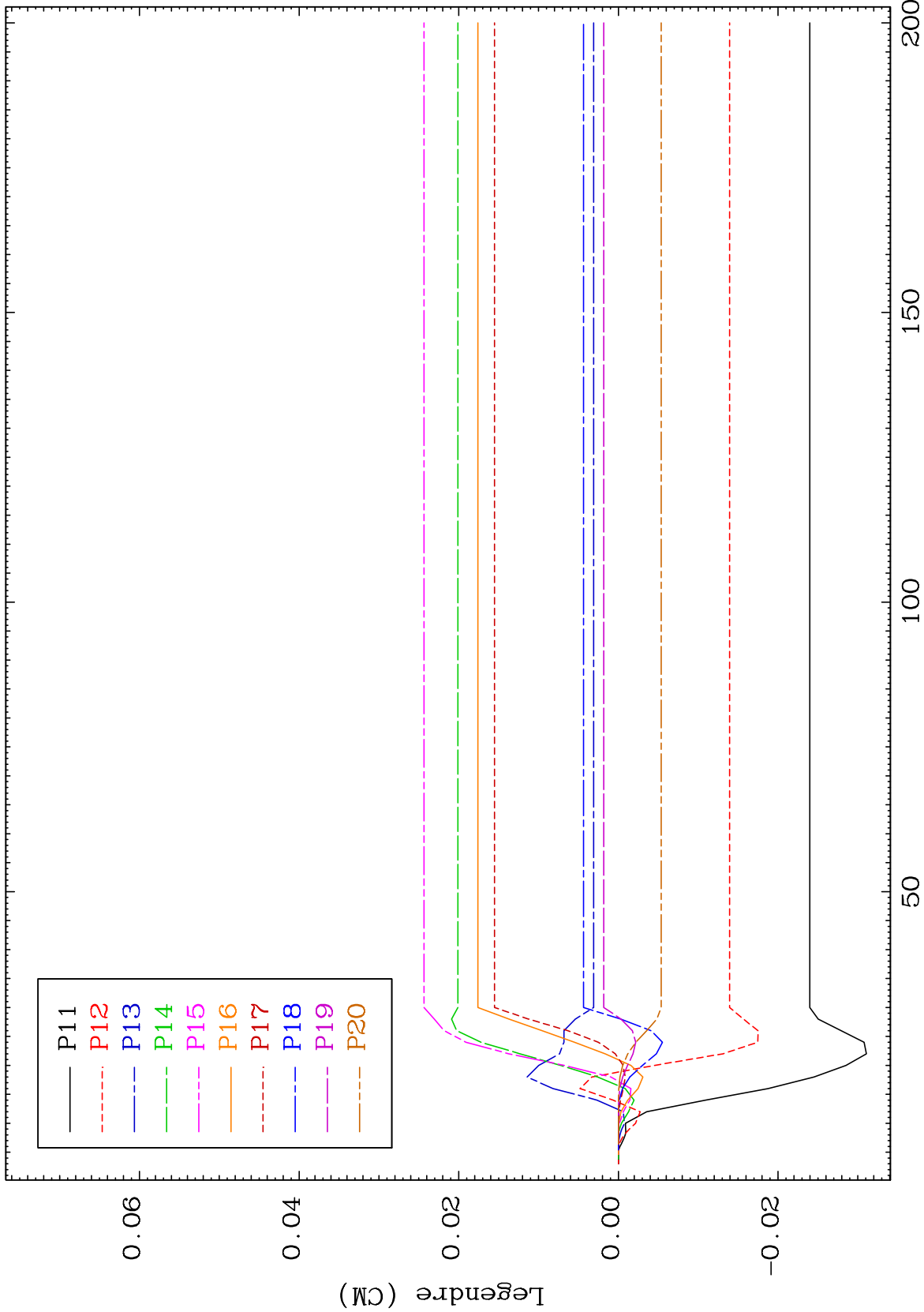




MAT 8019

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

80-Hg-194

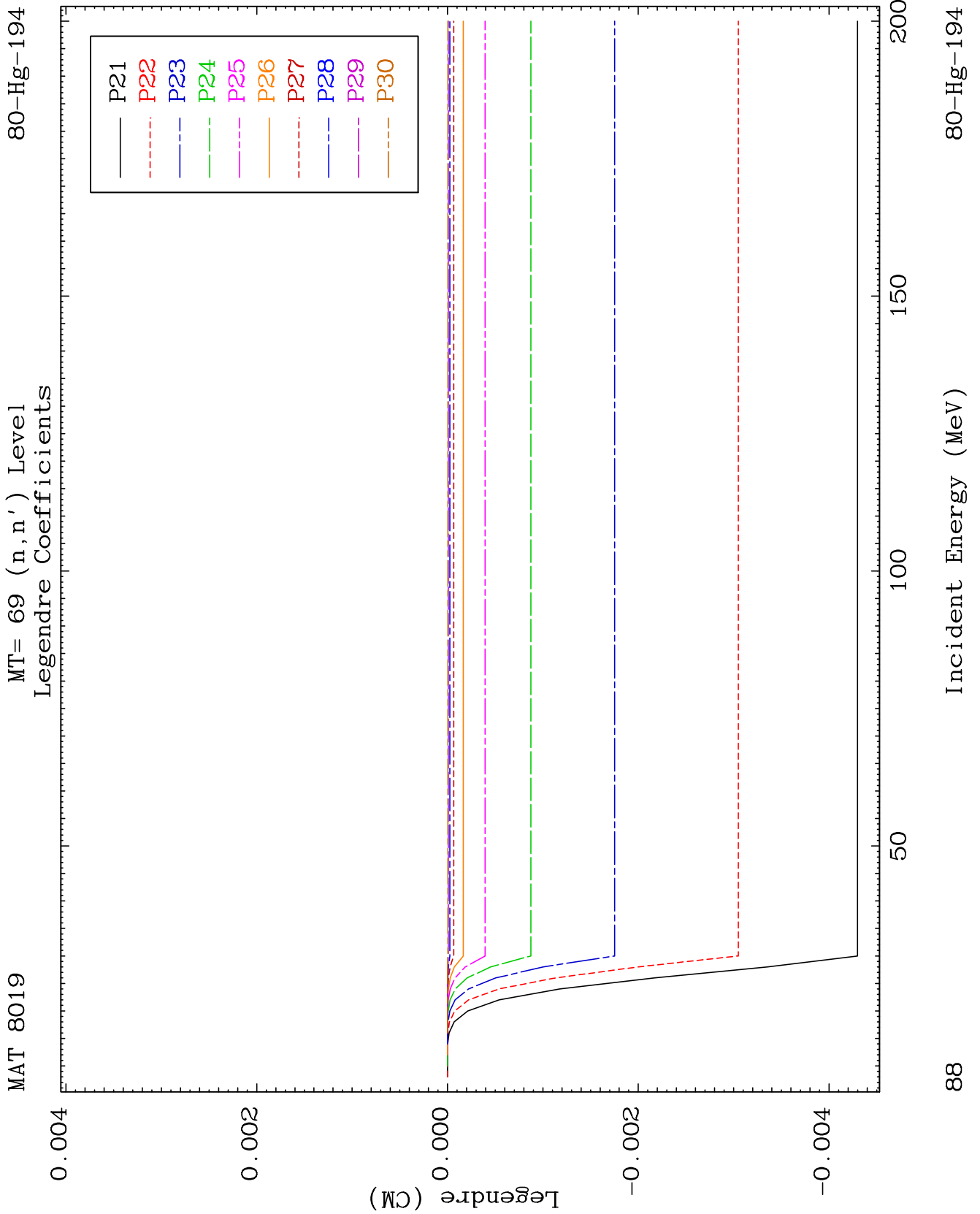


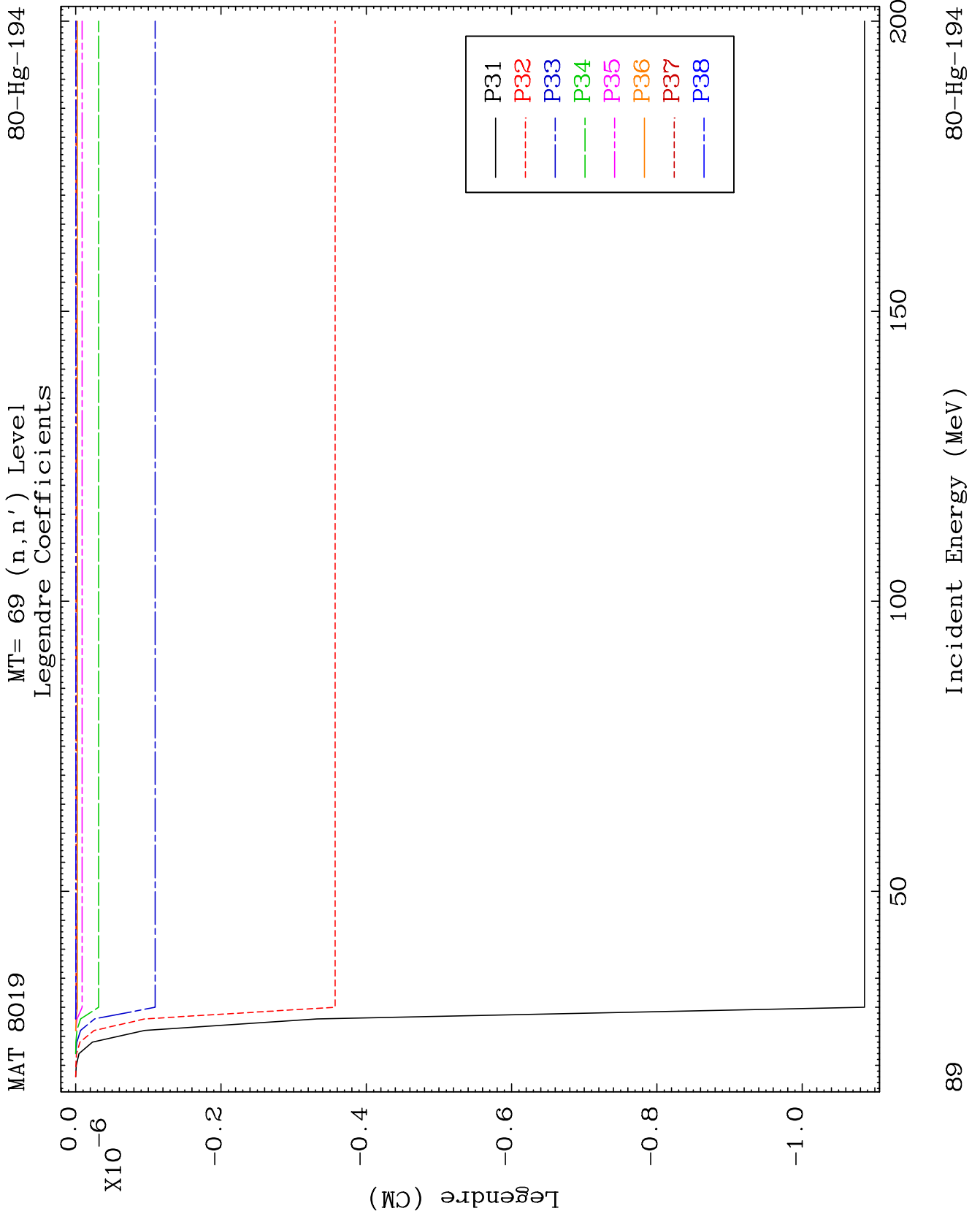
87

Incident Energy (MeV)

80-Hg-194



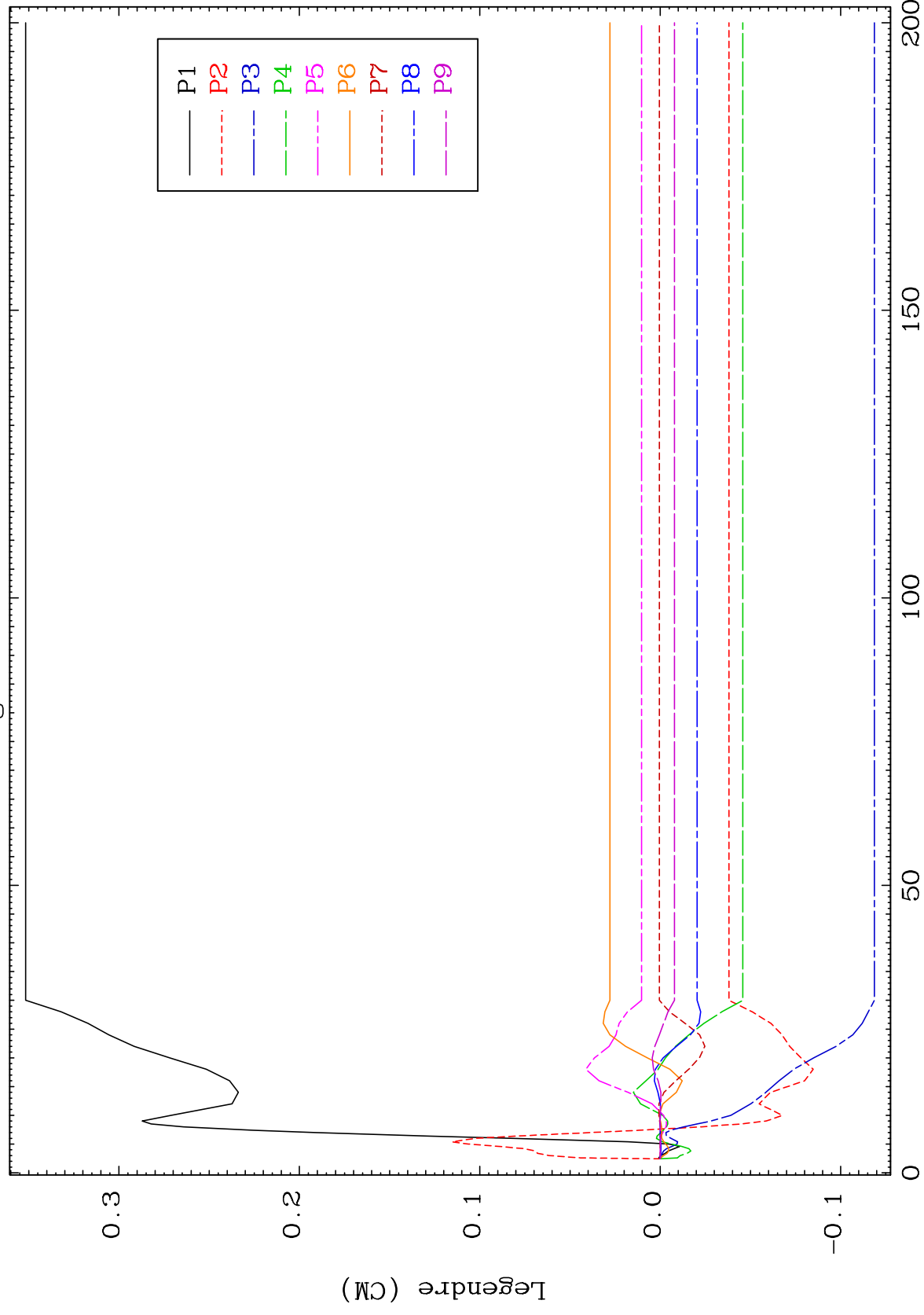




MAT 8019

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

80-Hg-194

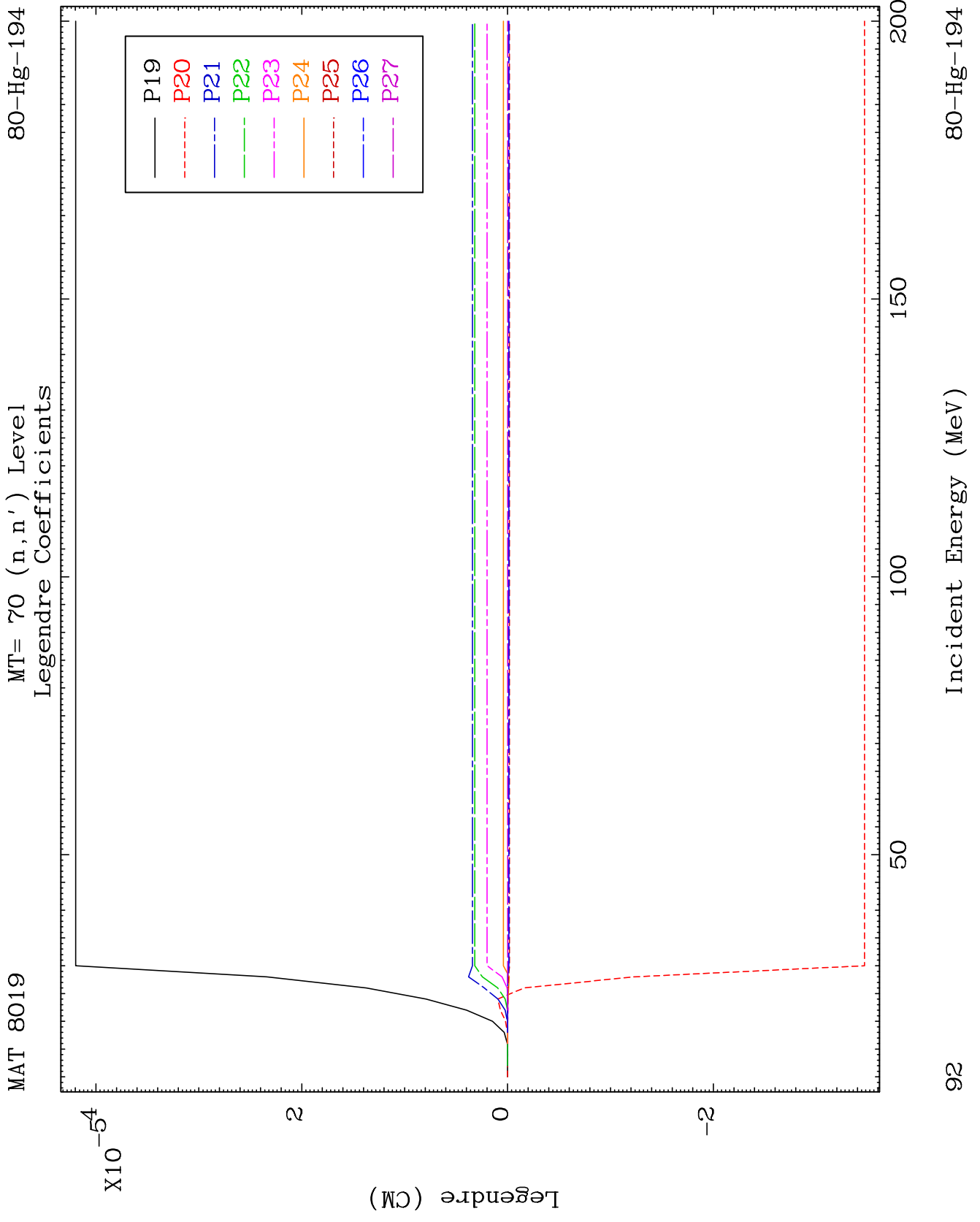


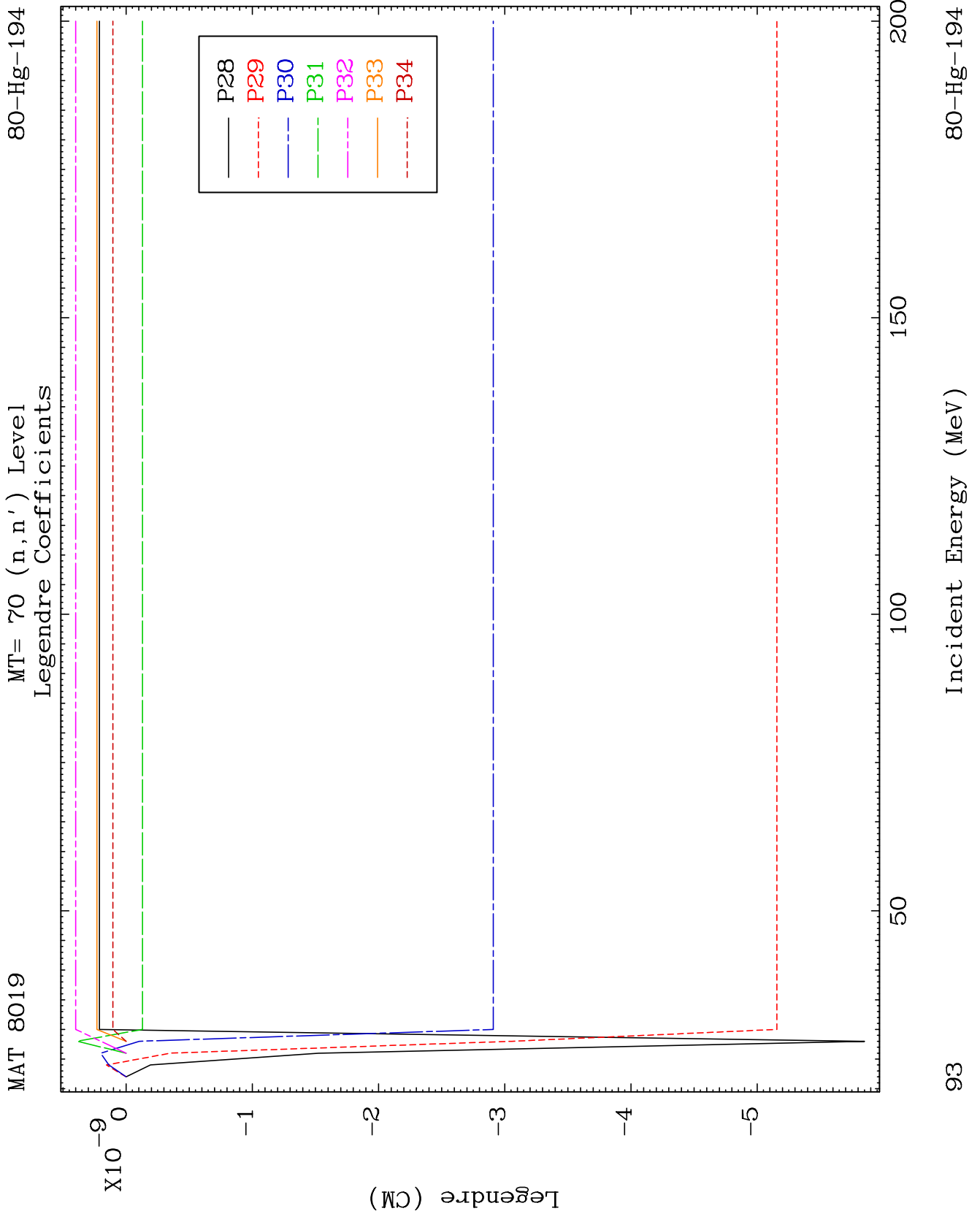
80-Hg-194

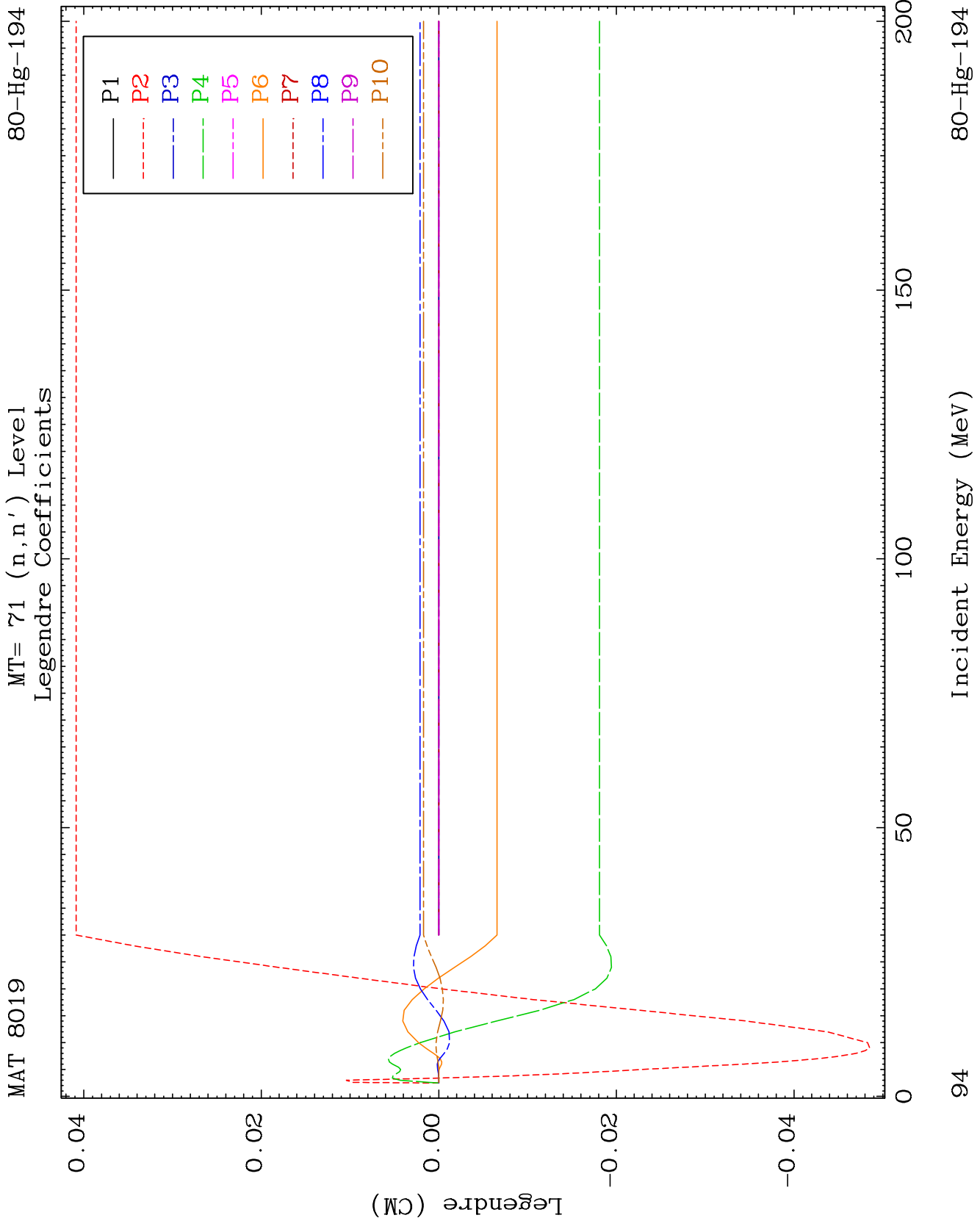
Incident Energy (MeV)

90





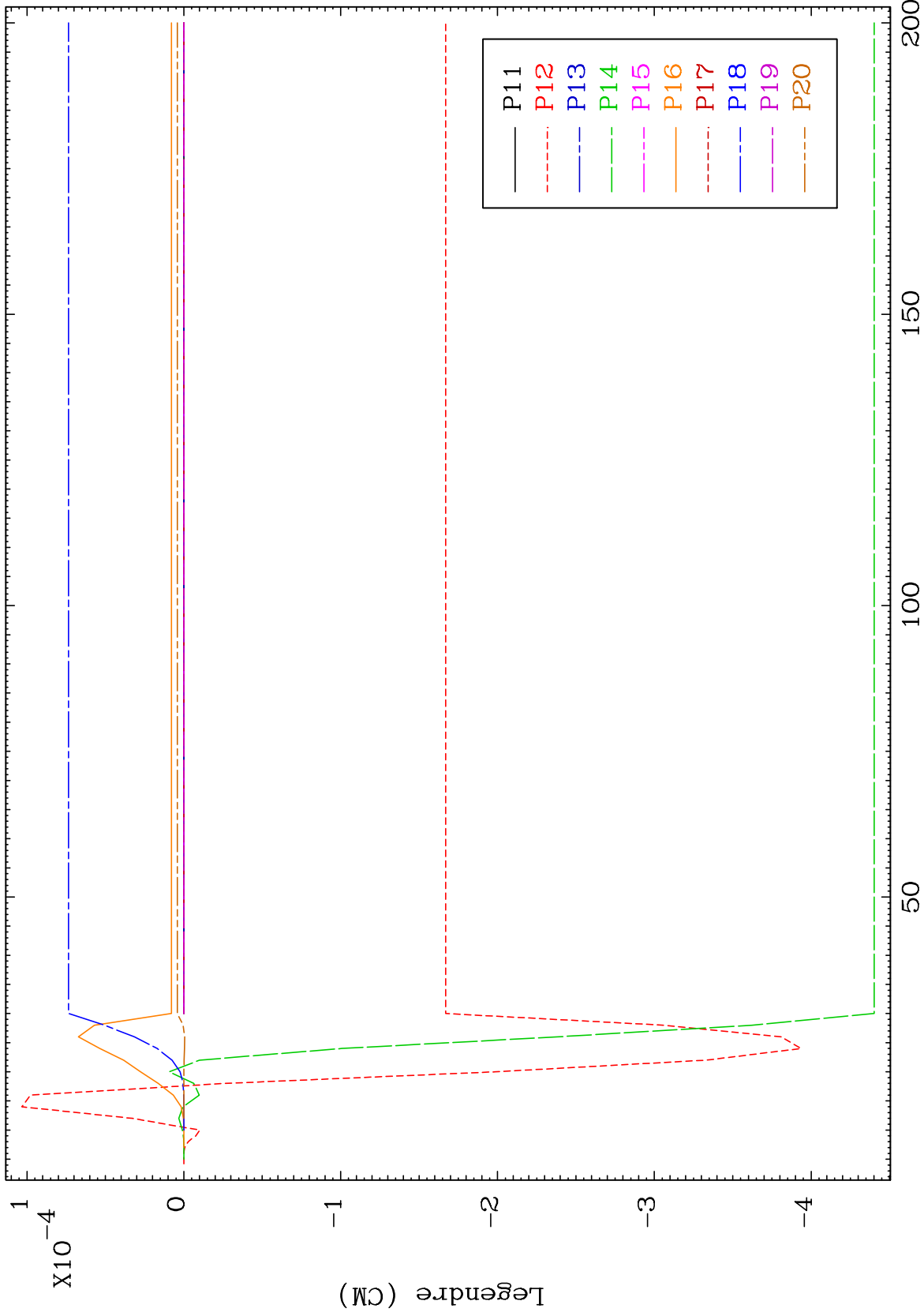




MAT 8019

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

80-Hg-194

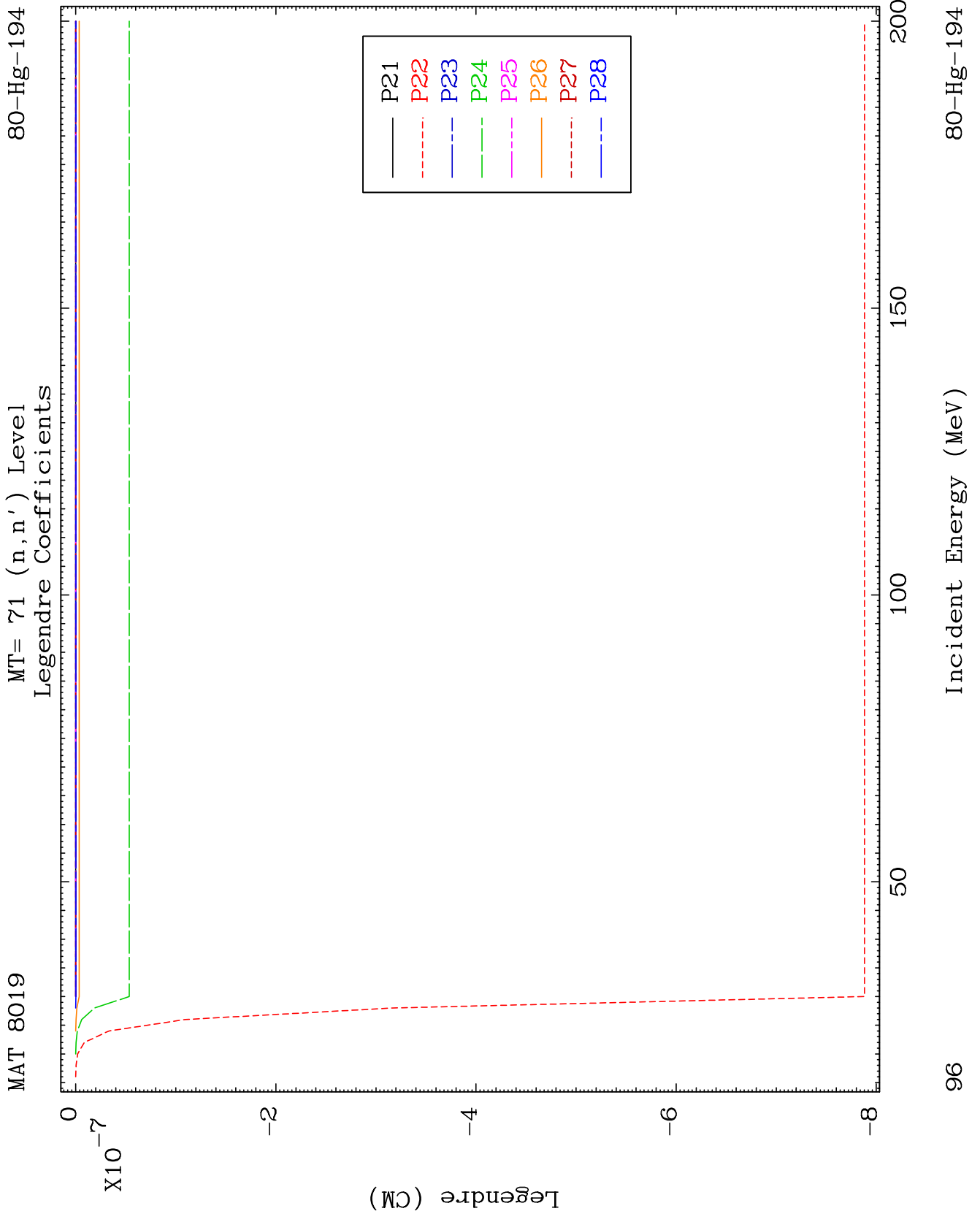


95

Incident Energy (MeV)

80-Hg-194

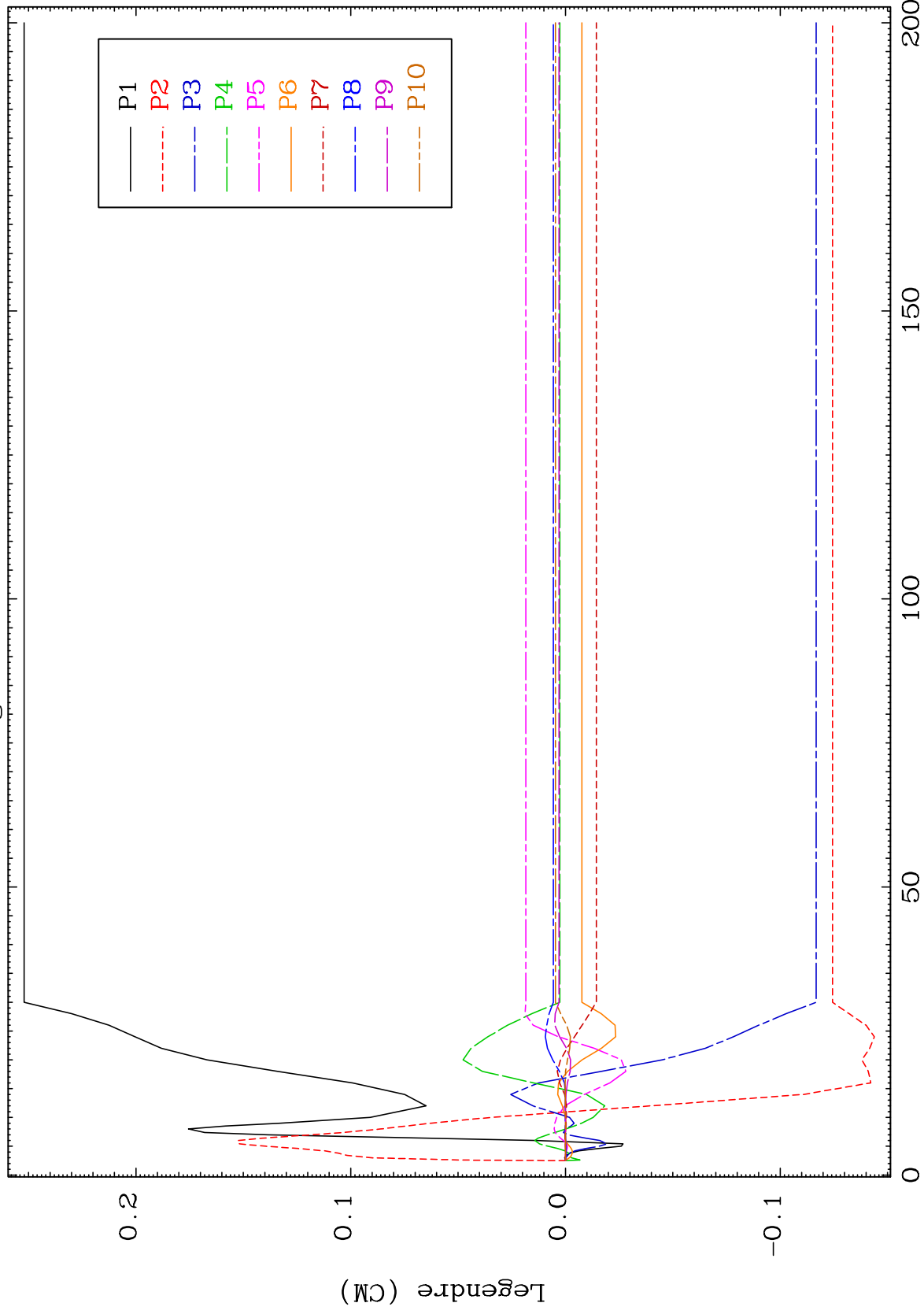




MAT 8019

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

80-Hg-194



97

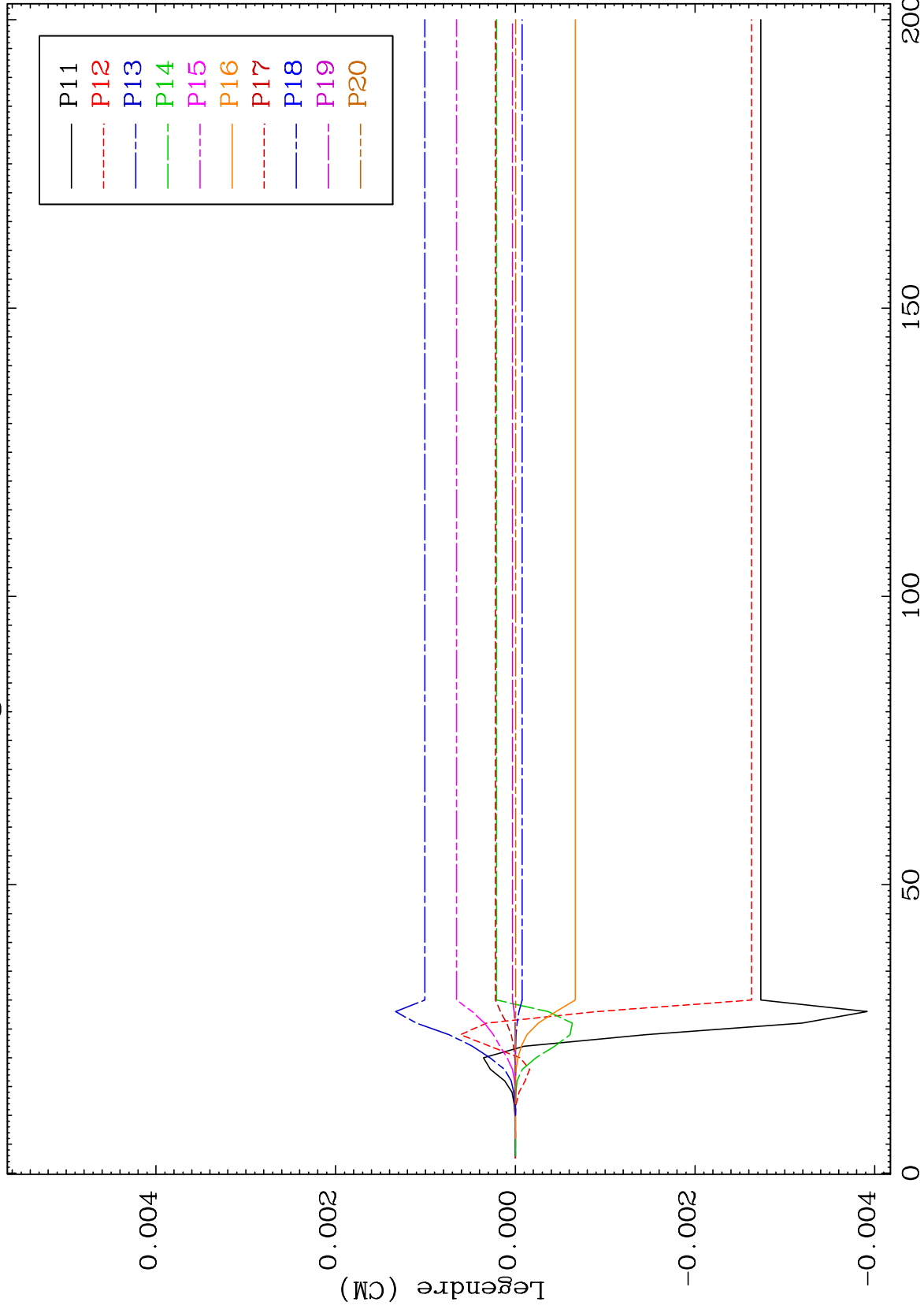
Incident Energy (MeV)

80-Hg-194

MAT 8019

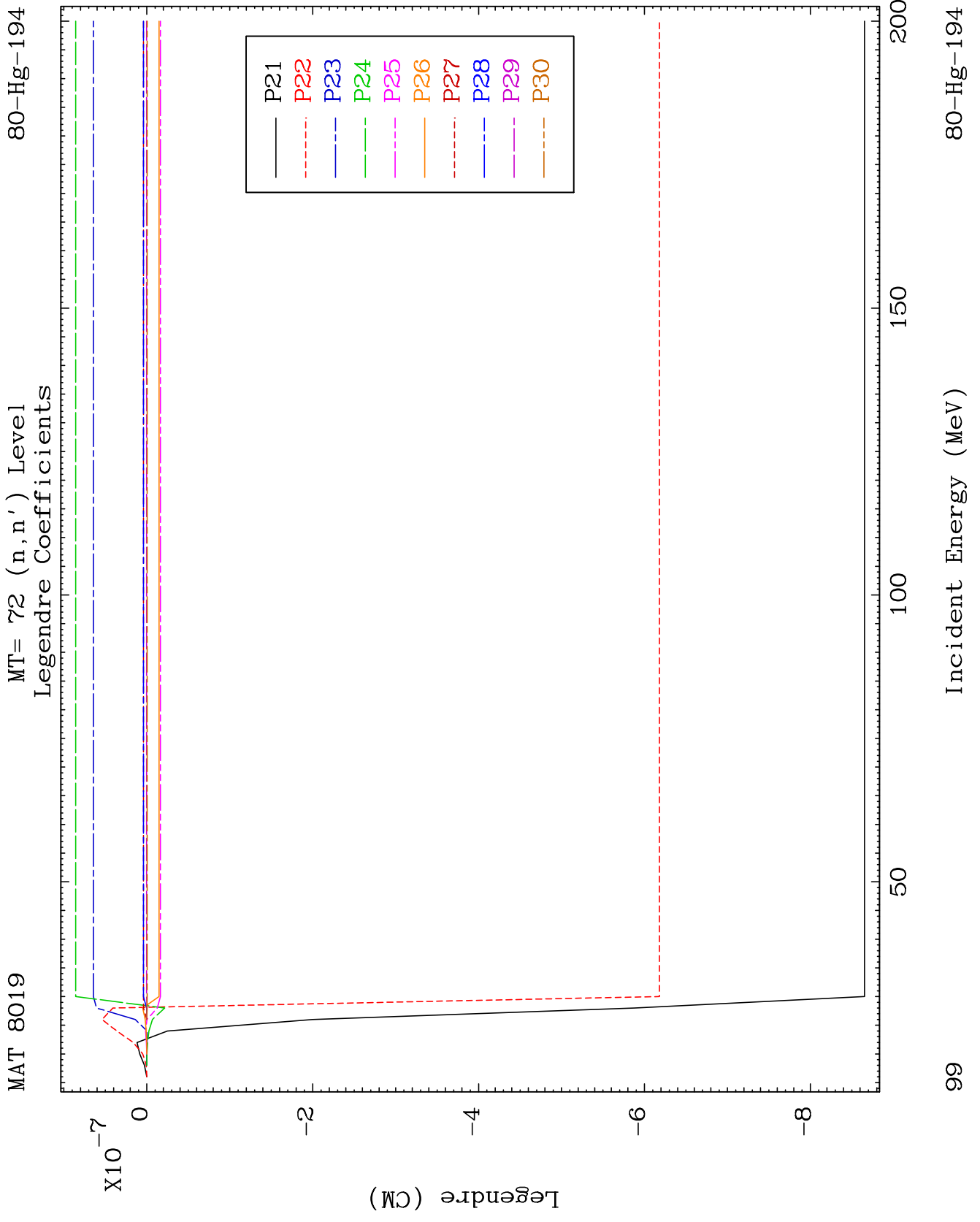
MT= 72 (n,n') Level  
Legendre Coefficients

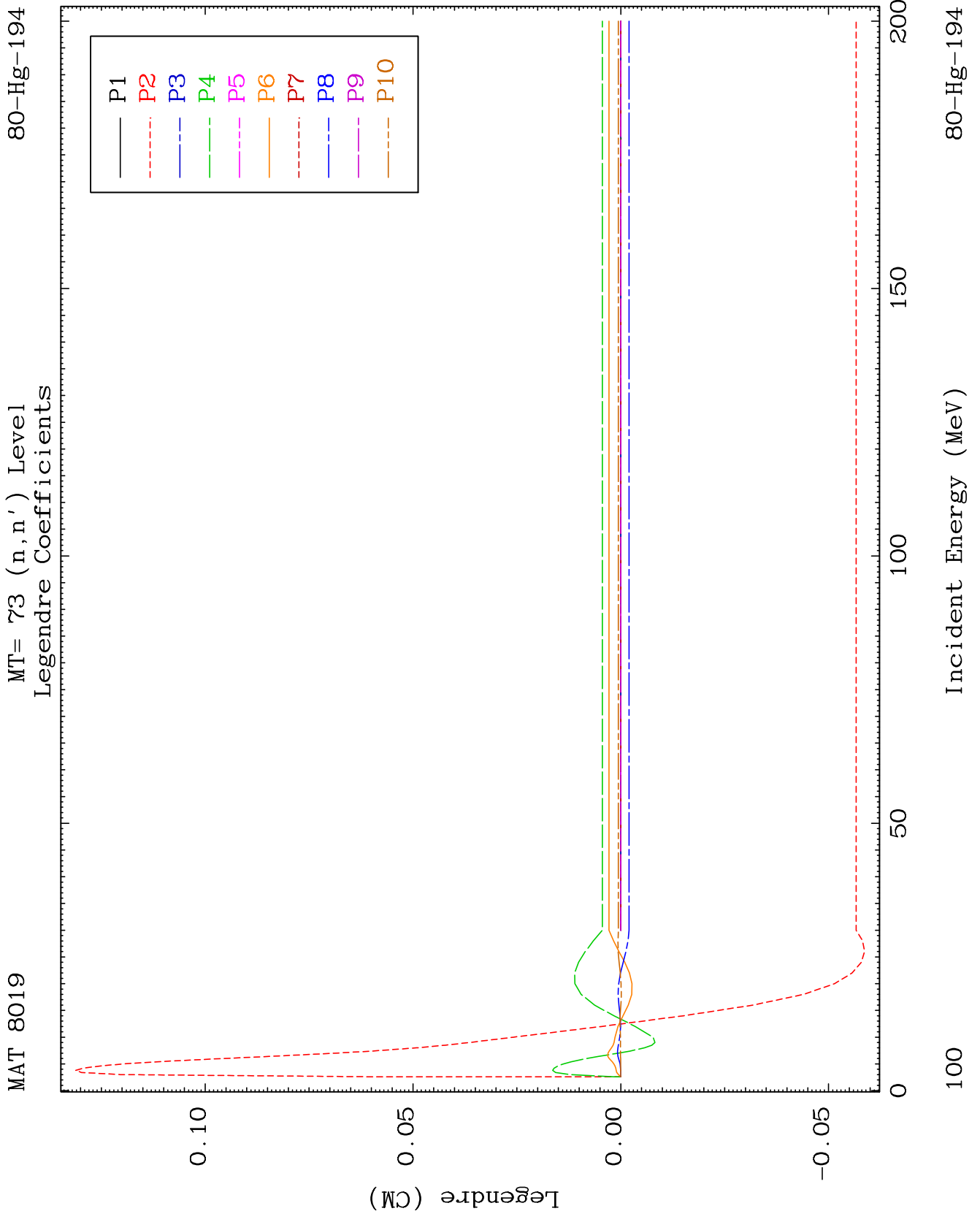
80-Hg-194



98

80-Hg-194

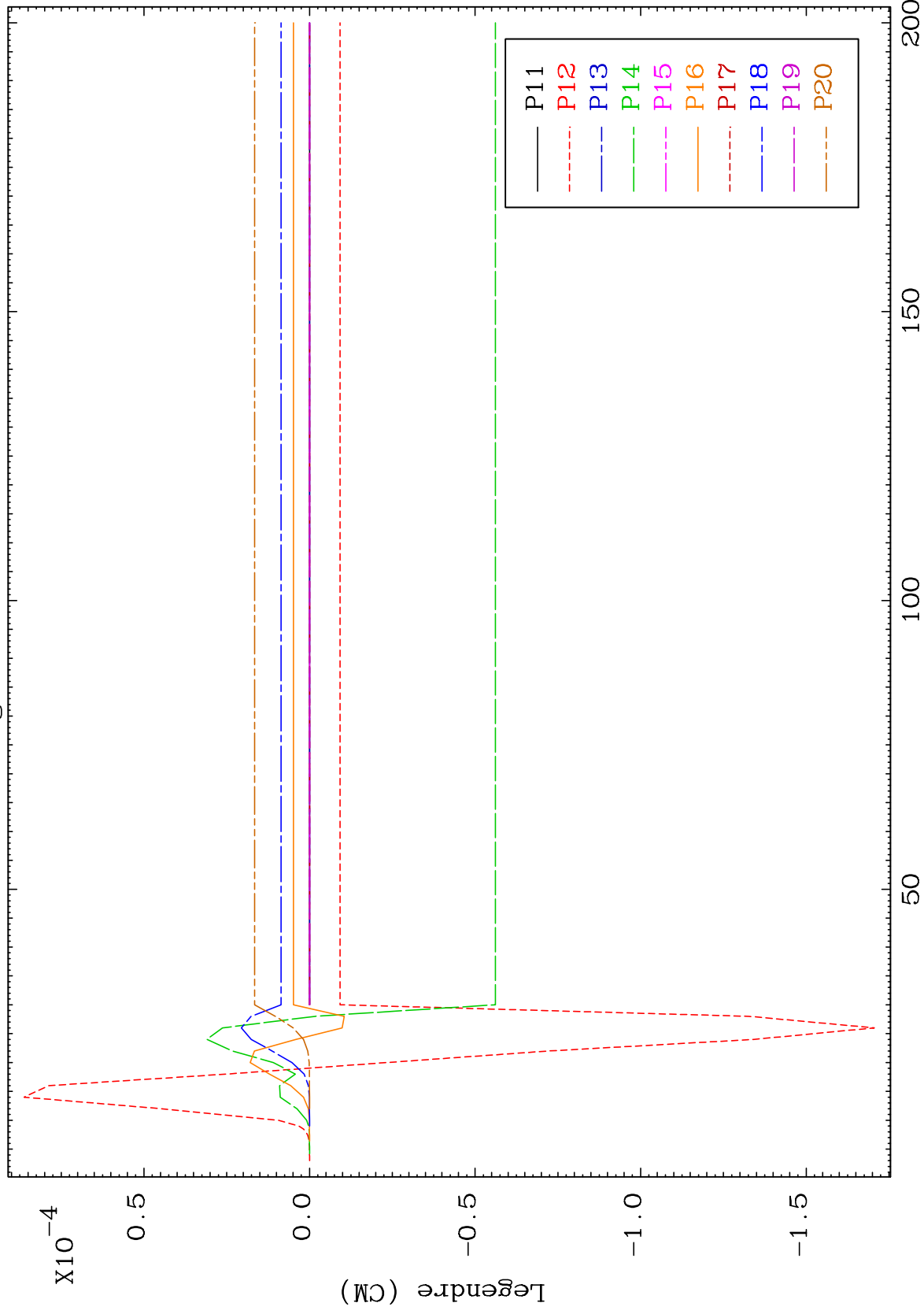




MAT 8019

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

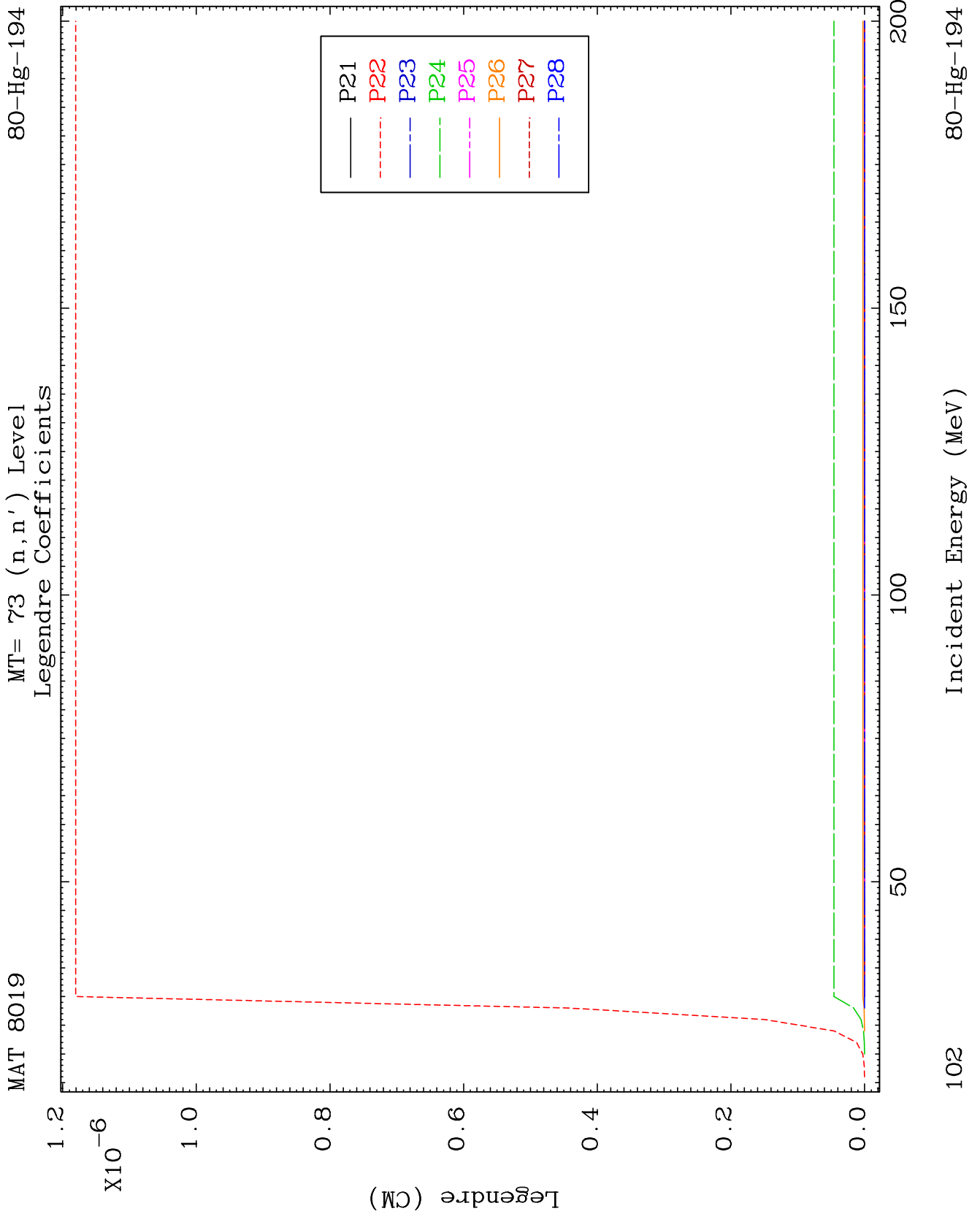
80-Hg-194



101

Incident Energy (MeV)

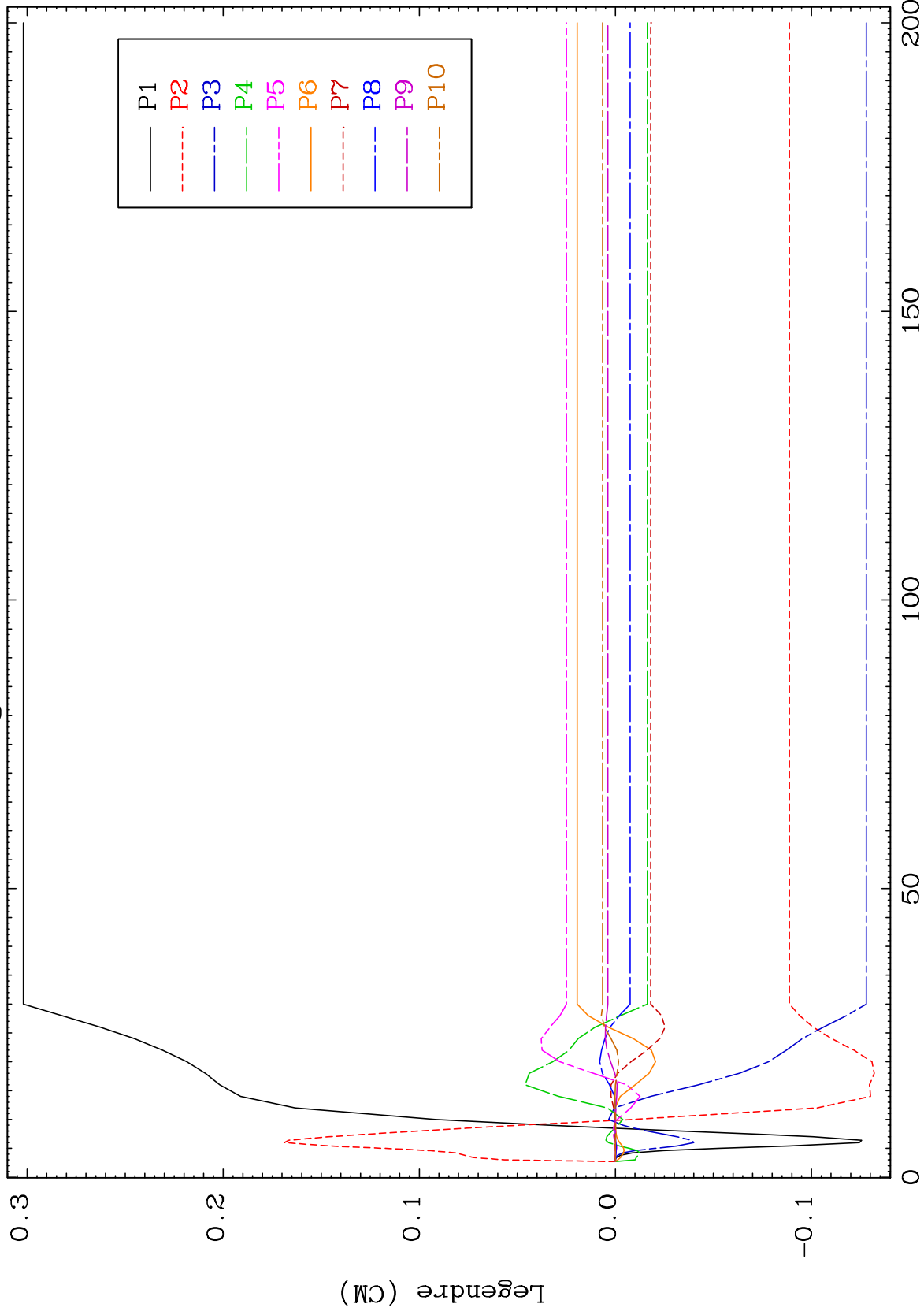
80-Hg-194



MAT 8019

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

80-Hg-194



103

Incident Energy (MeV)

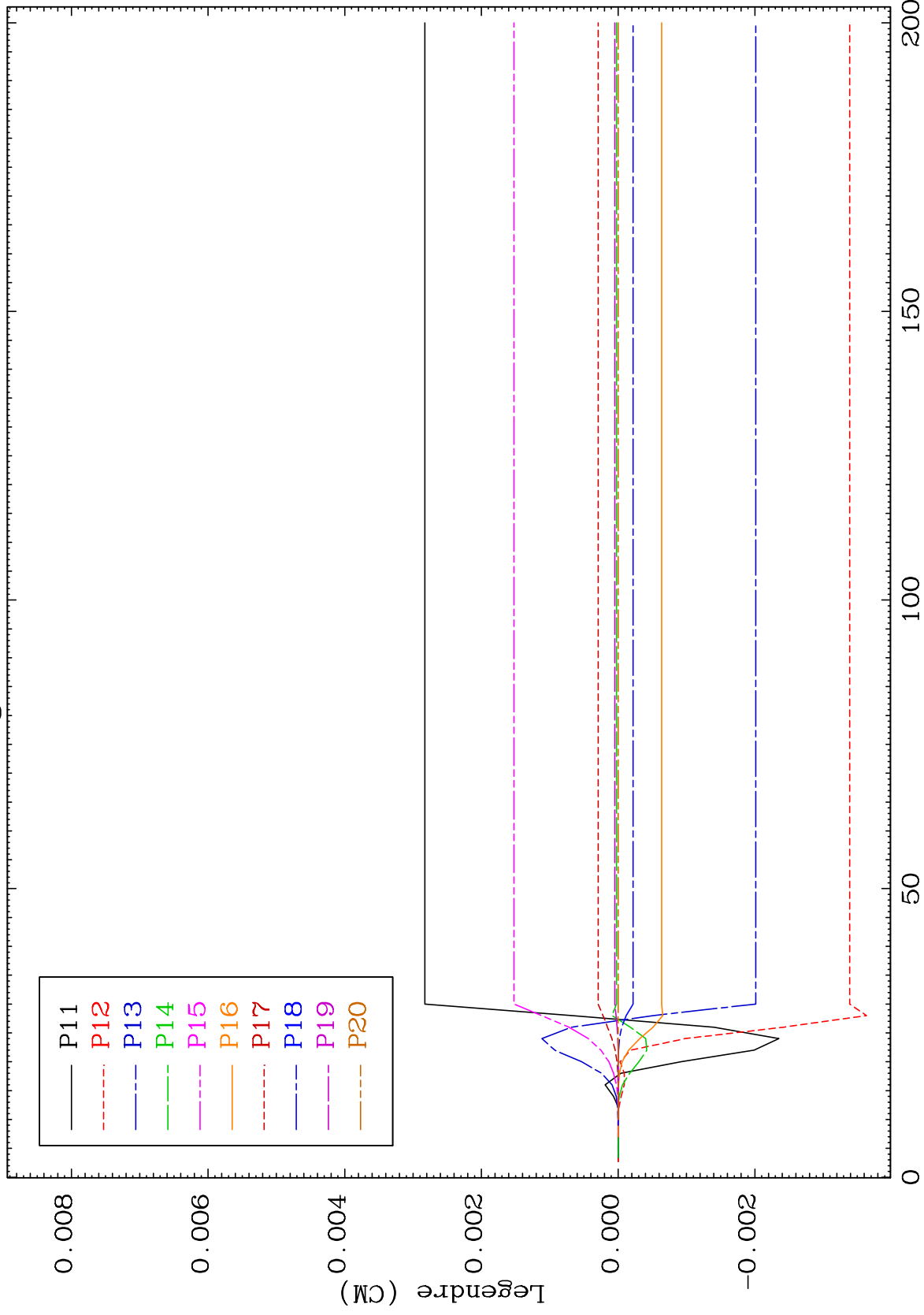
80-Hg-194



MAT 8019

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

80-Hg-194



104

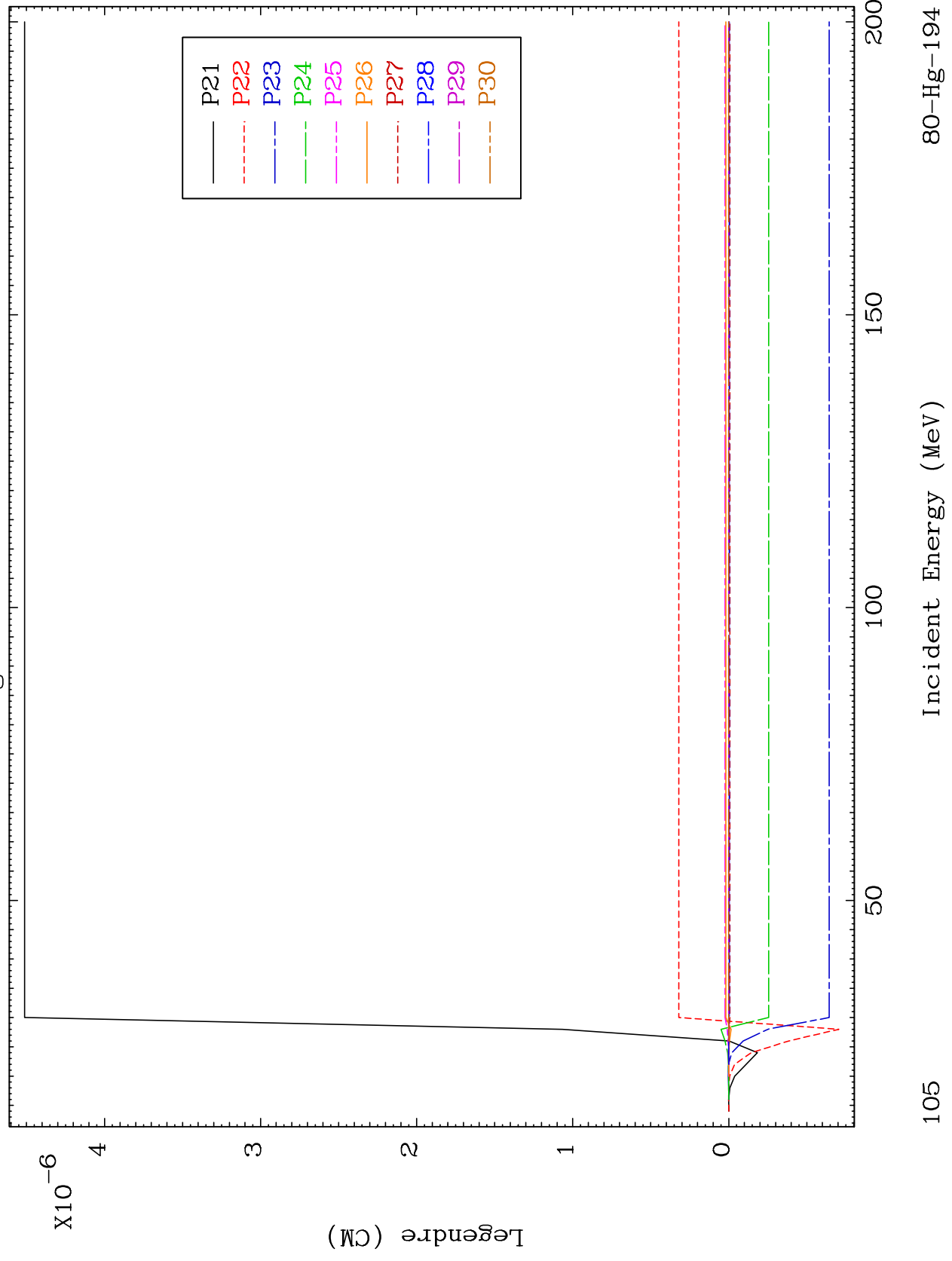
Incident Energy (MeV)

80-Hg-194

MAT 8019

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

80-Hg-194



105

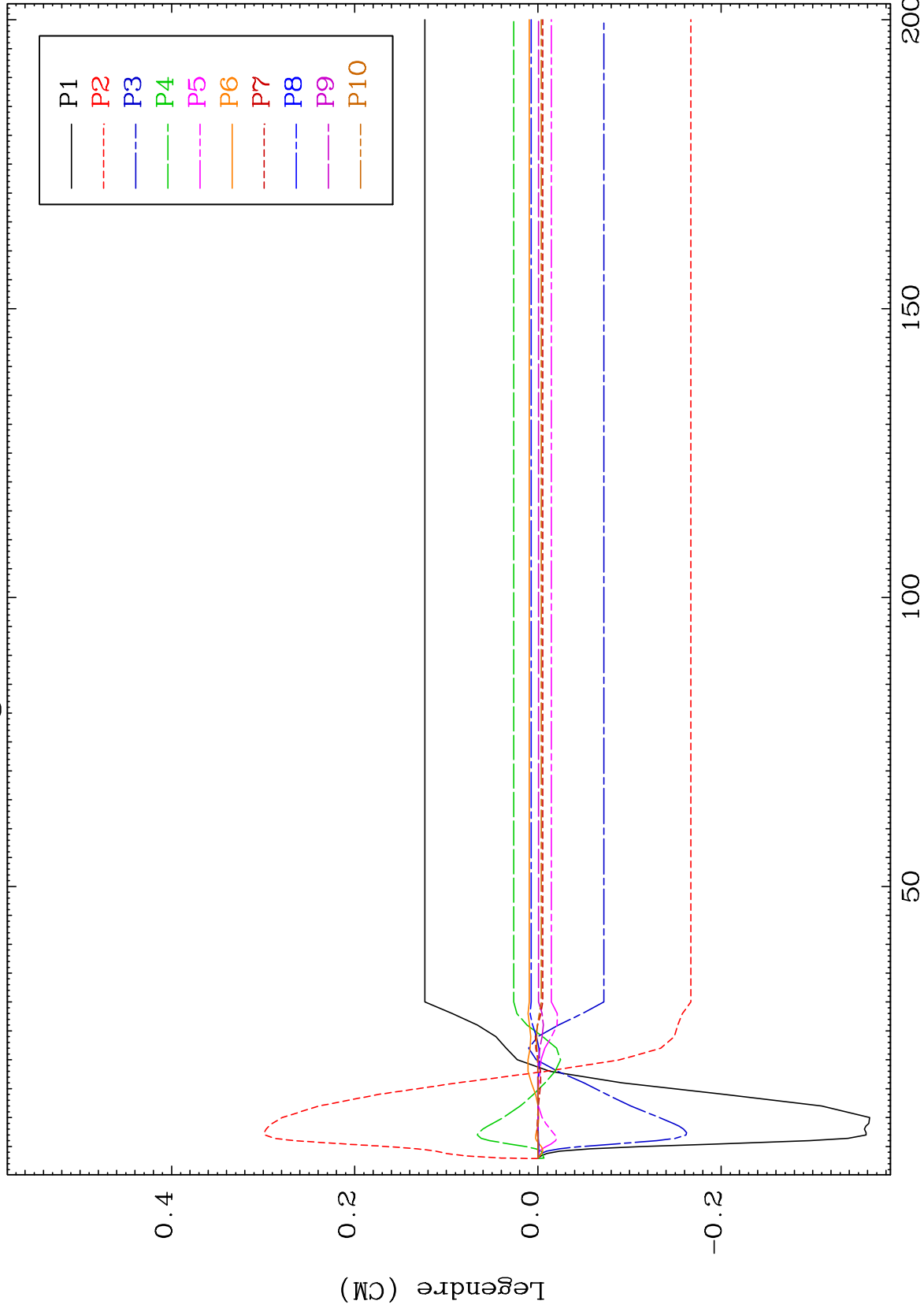
Incident Energy (MeV)

80-Hg-194

MAT 8019

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

80-Hg-194



106

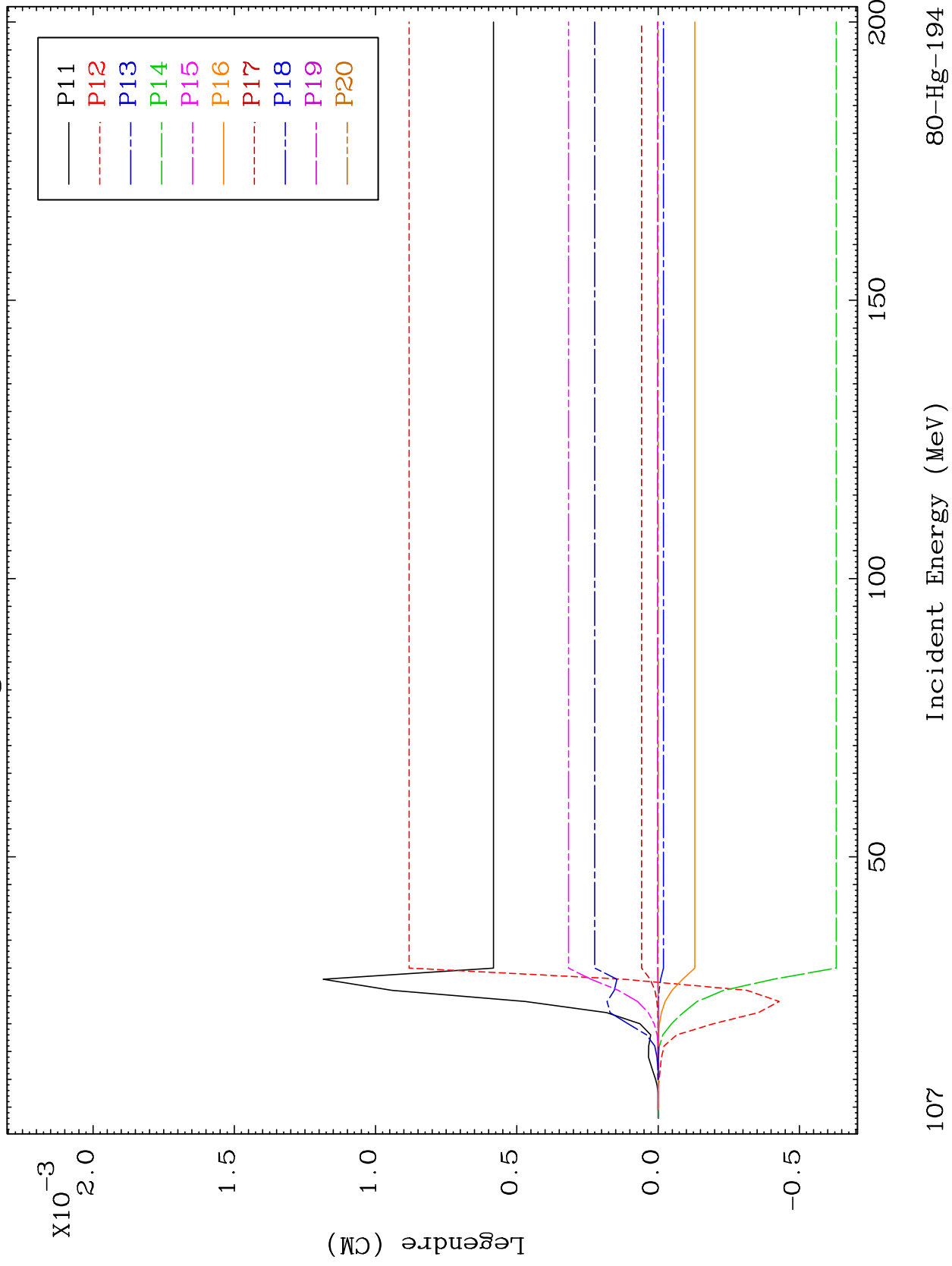
Incident Energy (MeV)

80-Hg-194

MAT 8019

80-Hg-194

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



107

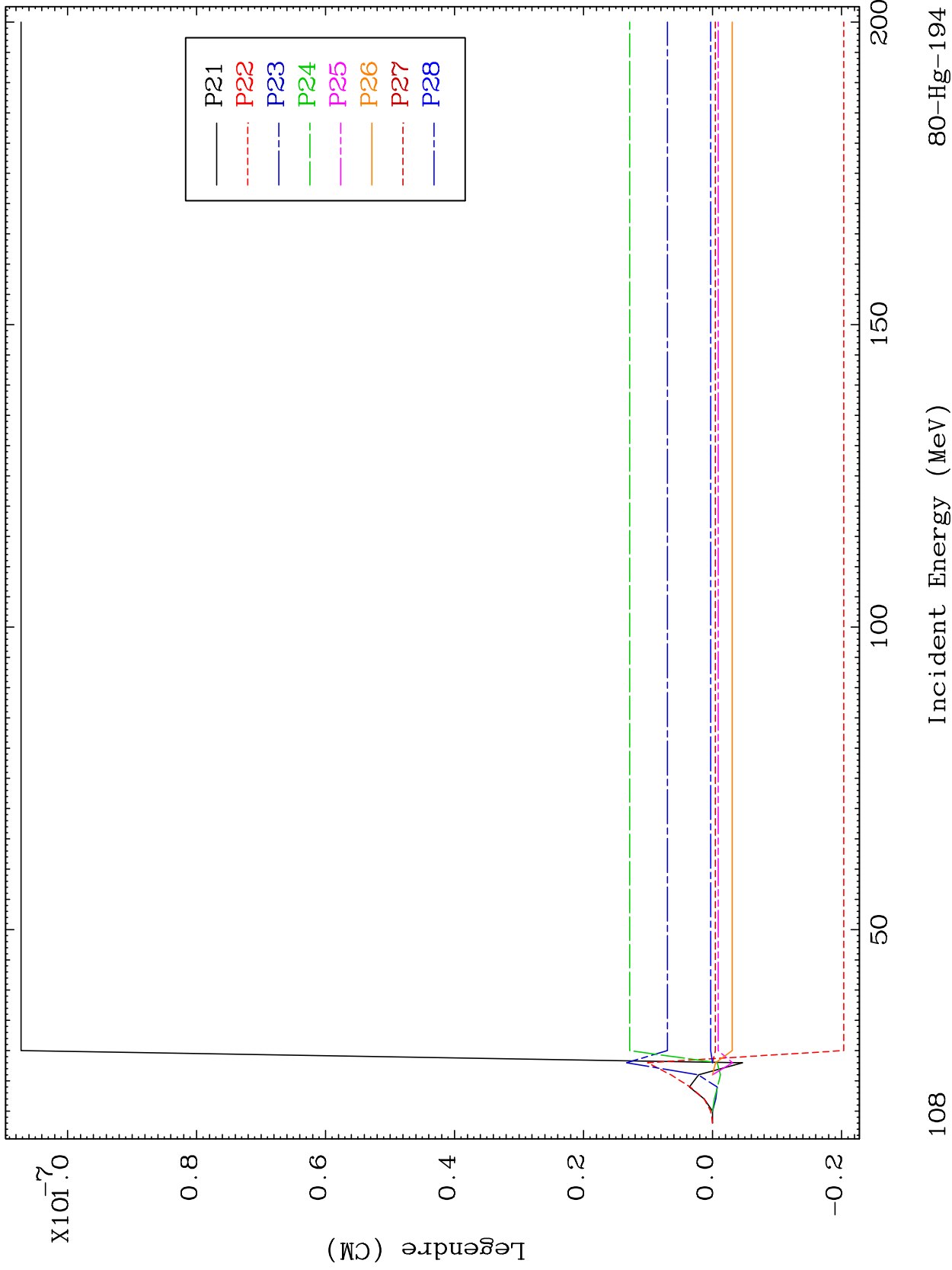
Incident Energy (MeV)

80-Hg-194

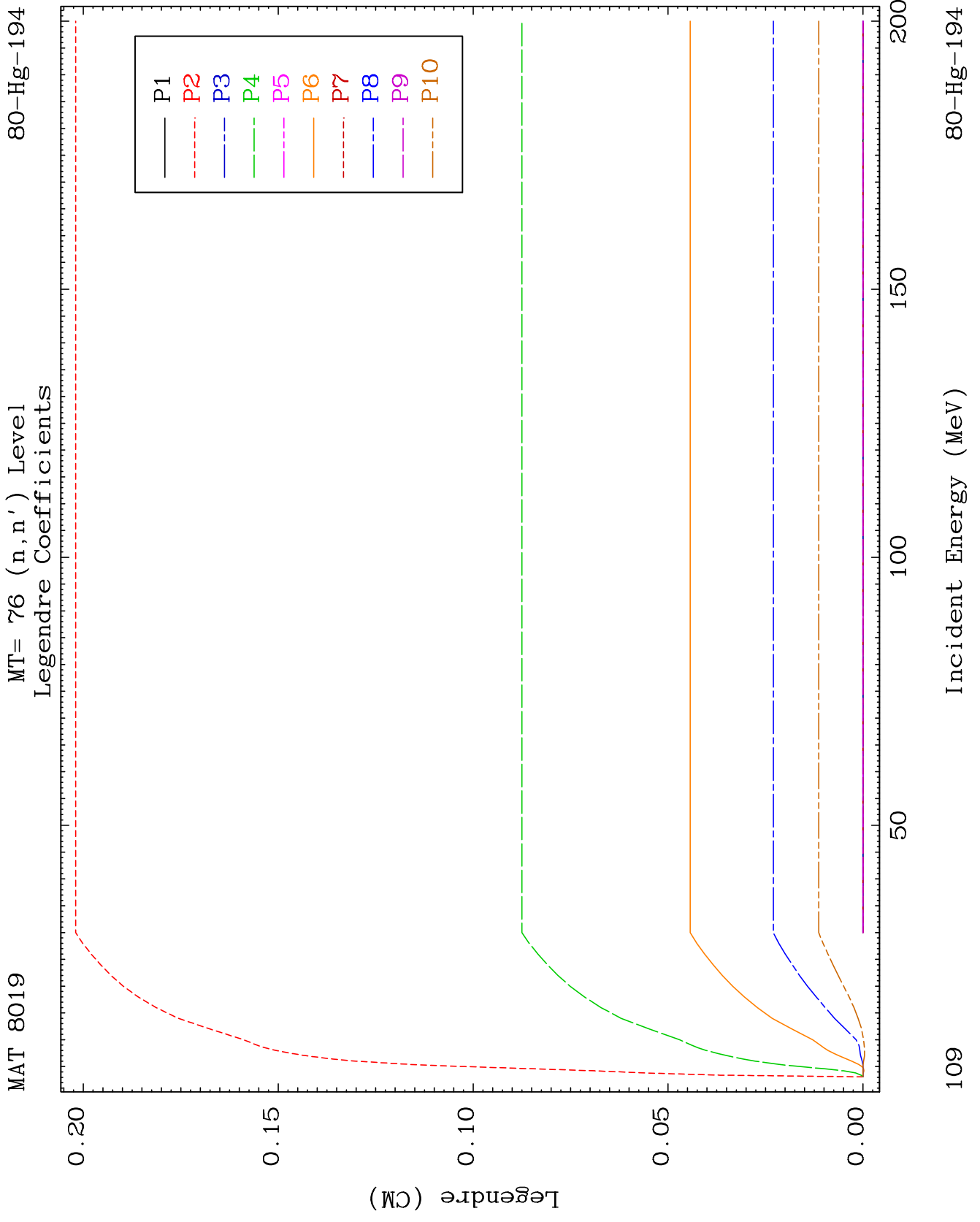
MAT 8019

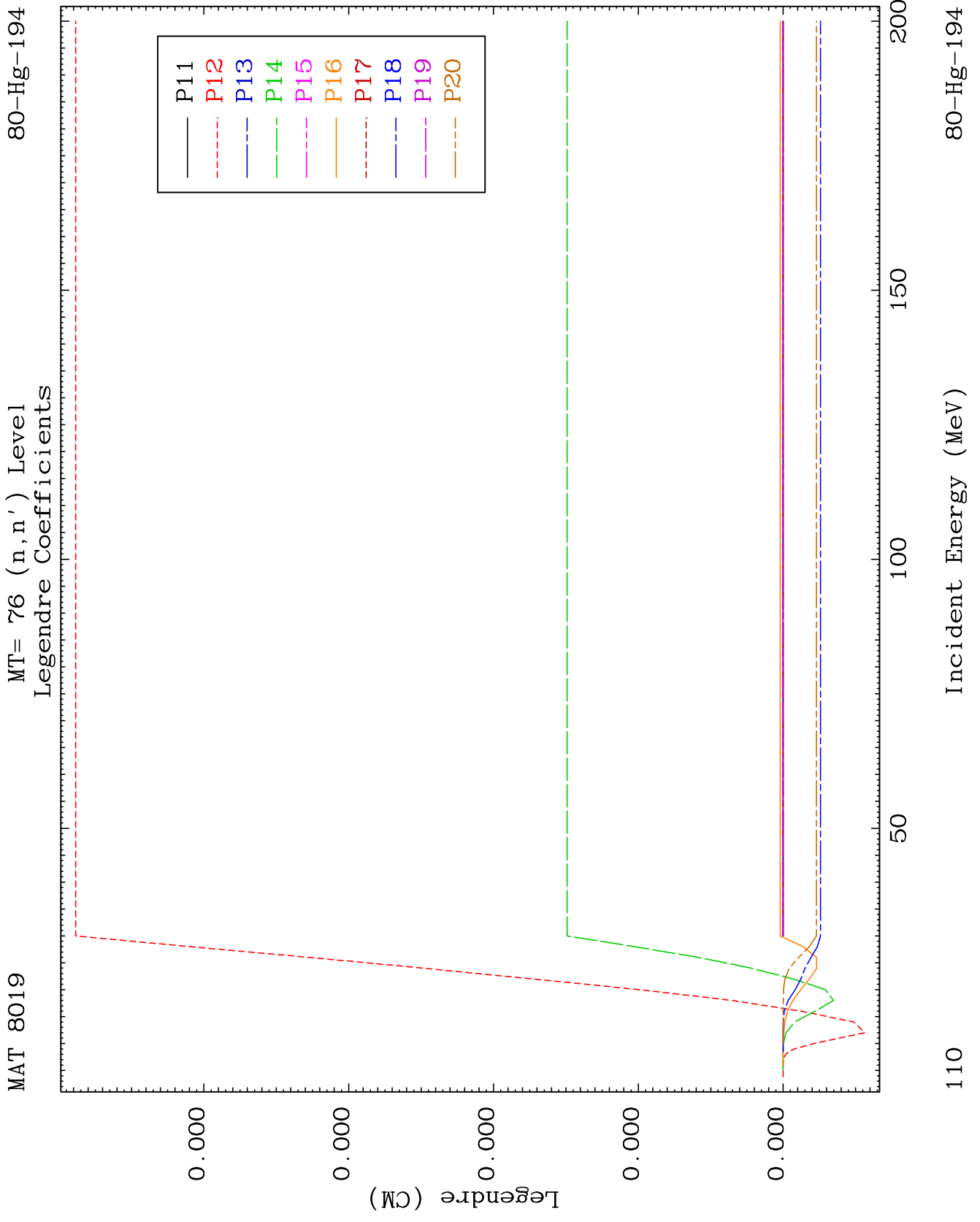
MT= 75 (n,n') Level  
Legendre Coefficients

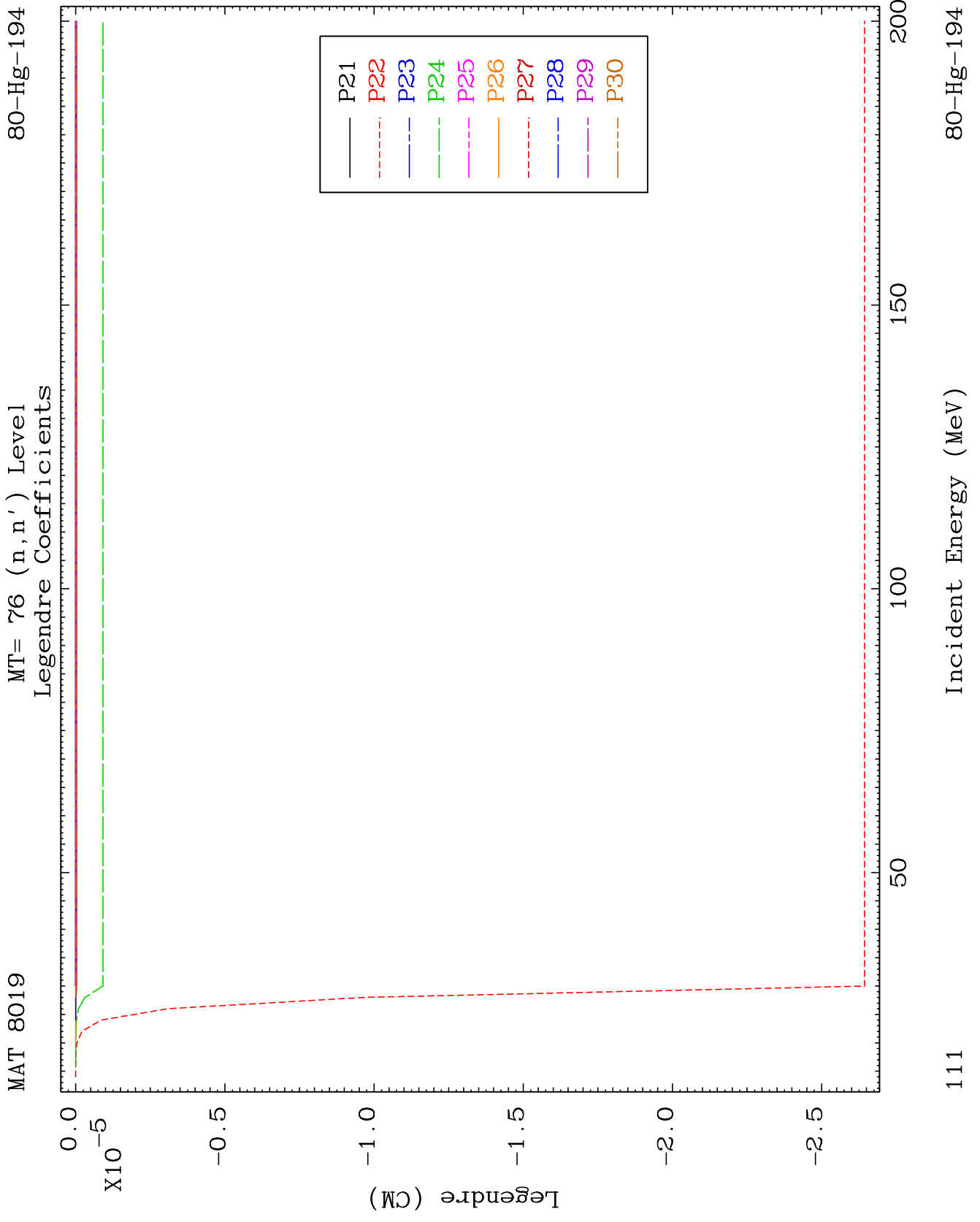
80-Hg-194



108







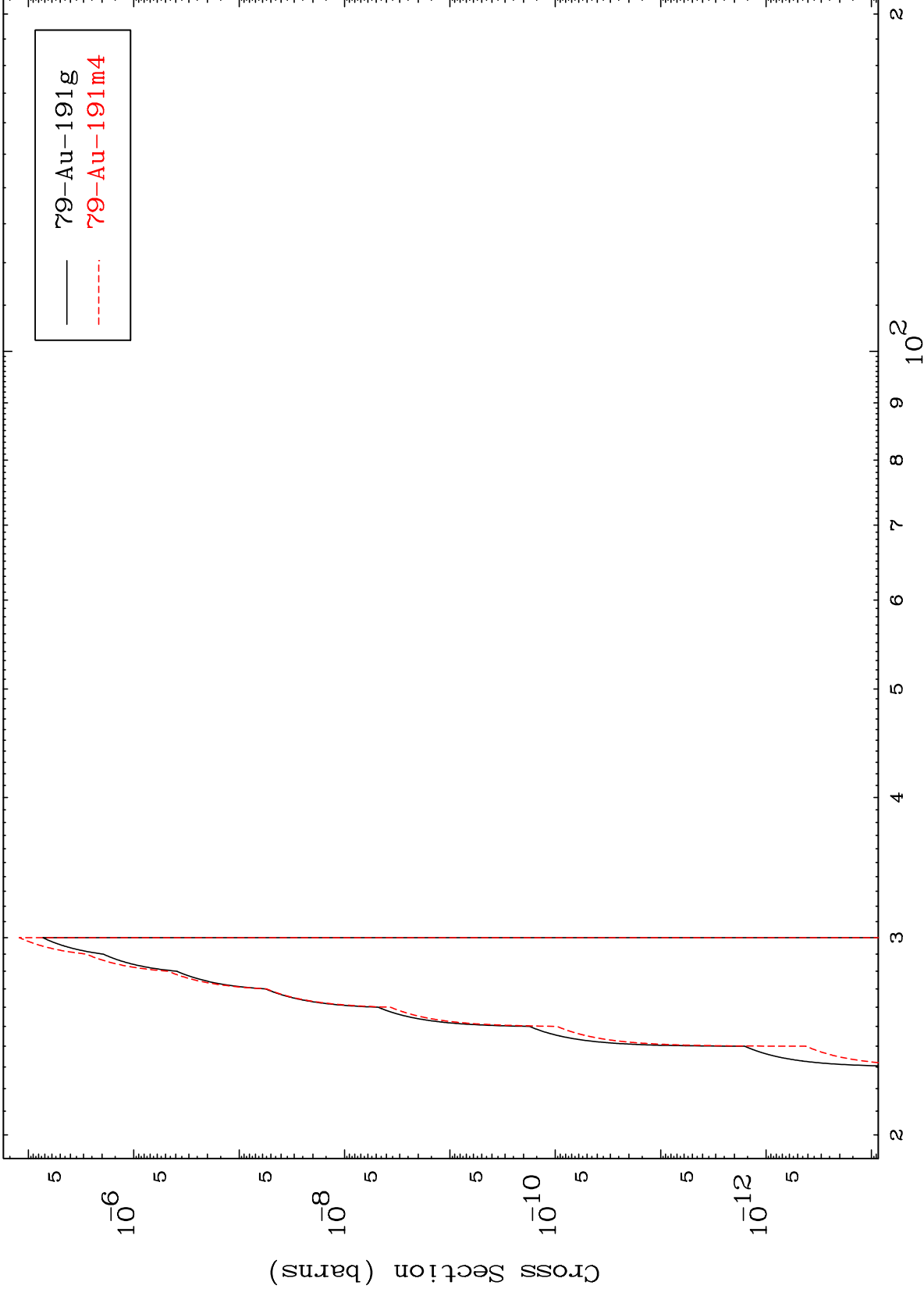


MAT 8019

(n,2n) d

80-Hg-194

Radionuclide Production Cross Section



112

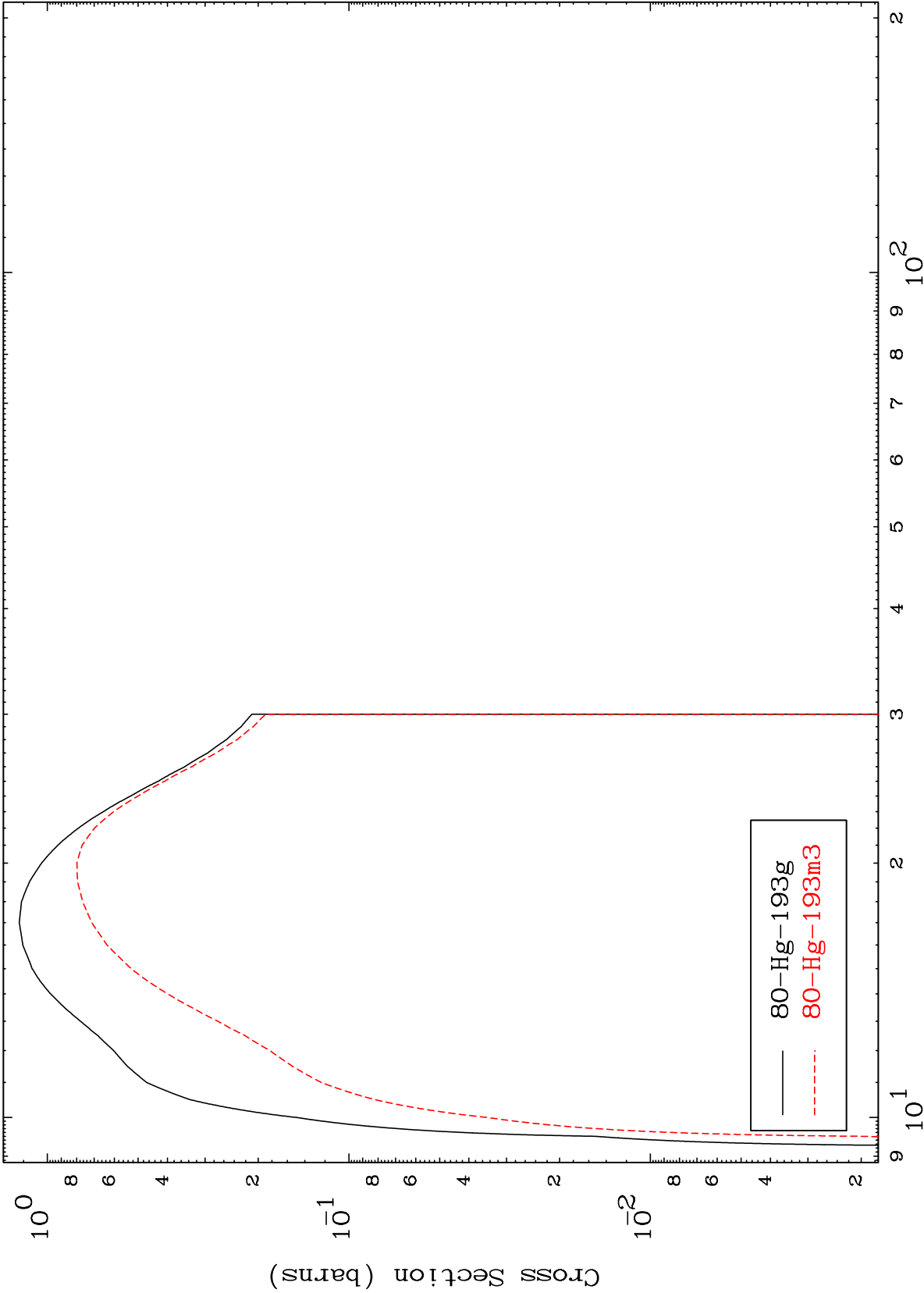
Incident Energy (MeV)

80-Hg-194

MAT 8019

80-Hg-194

(n,2n)  
Radionuclide Production Cross Section



80-Hg-193g  
80-Hg-193m3

80-Hg-194

Incident Energy (MeV)

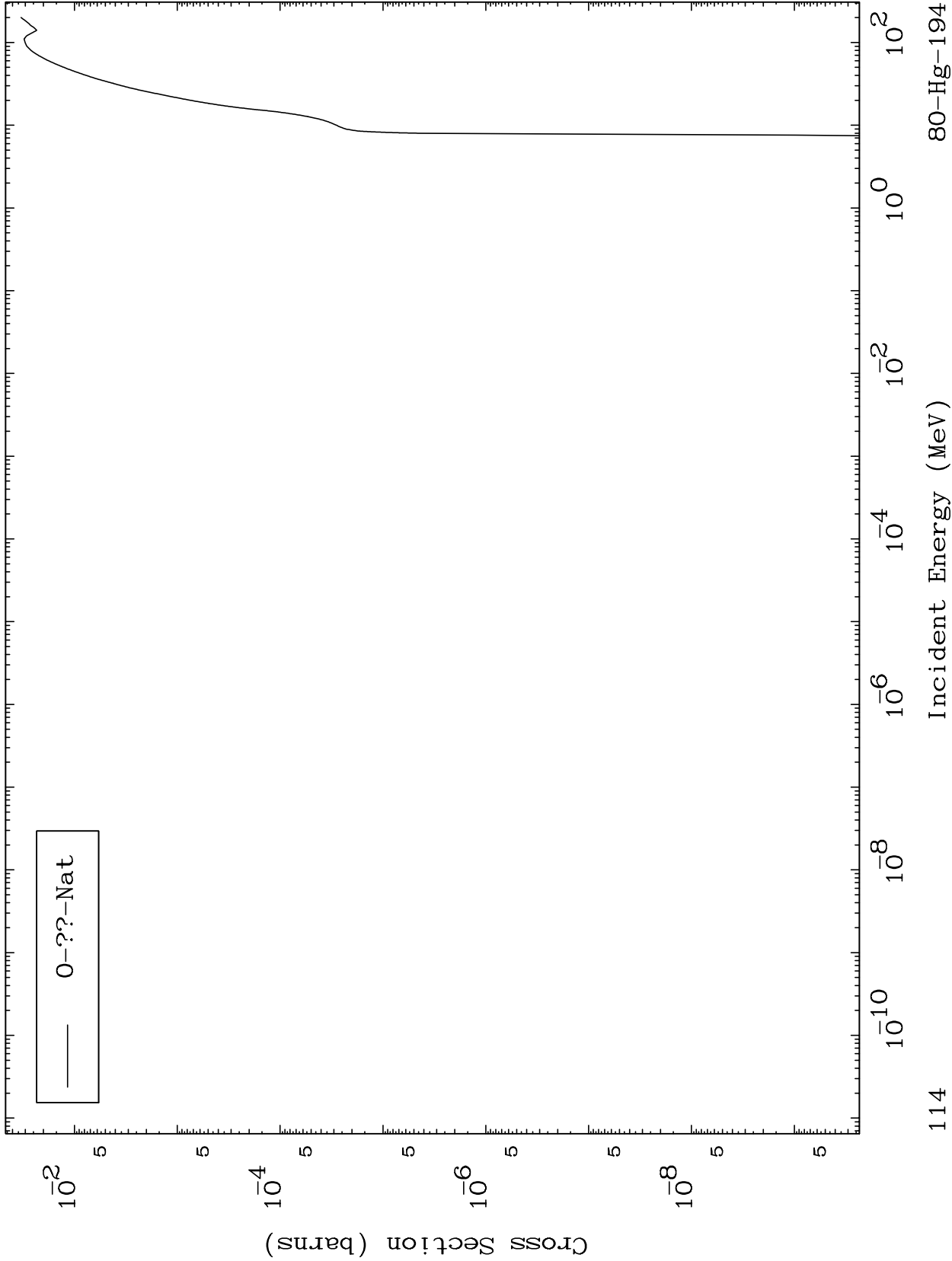
113

MAT 8019

Fission

80-Hg-194

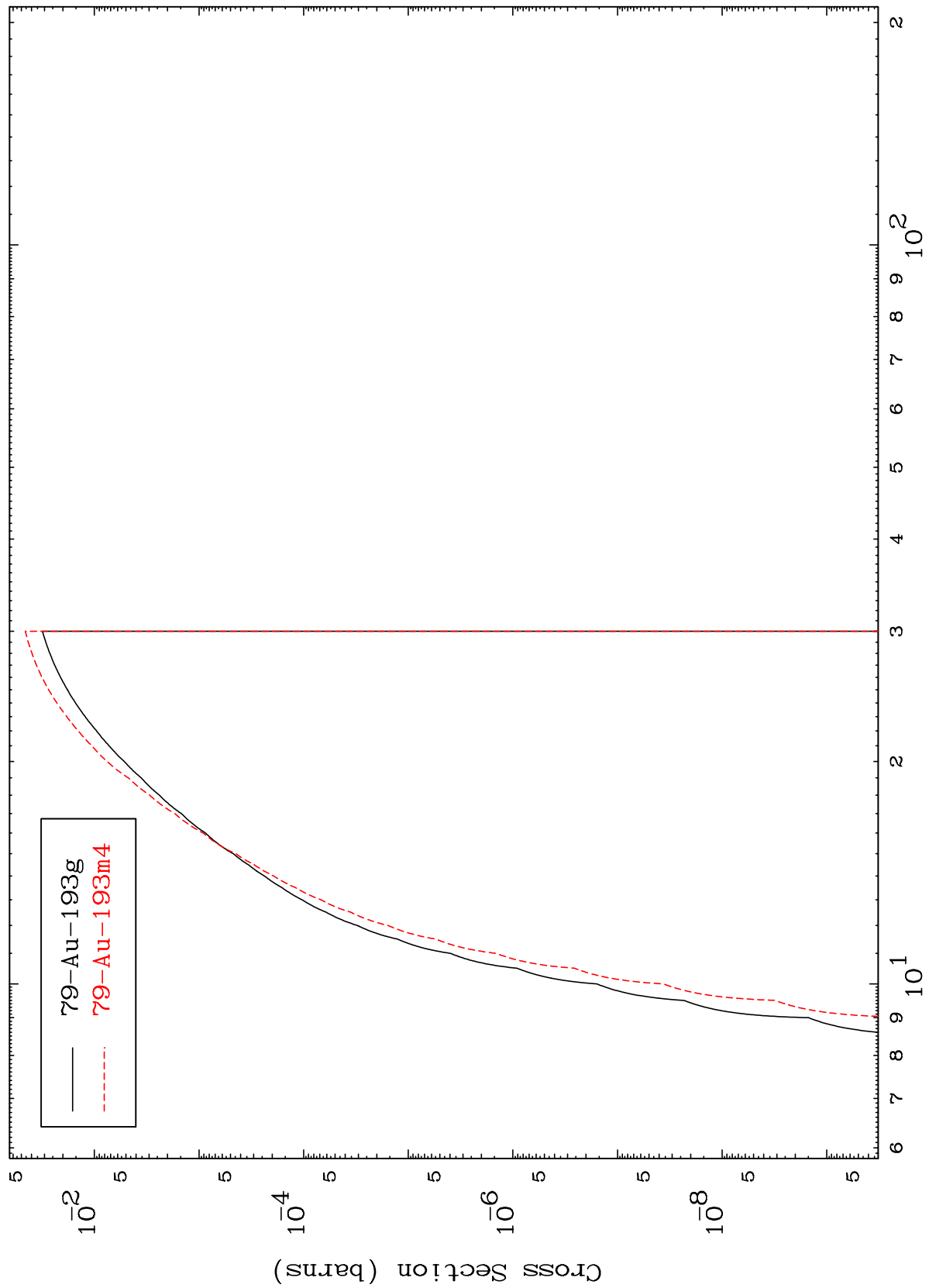
Radionuclide Production Cross Section



MAT 8019

80-Hg-194

(n,n') p  
Radionuclide Production Cross Section



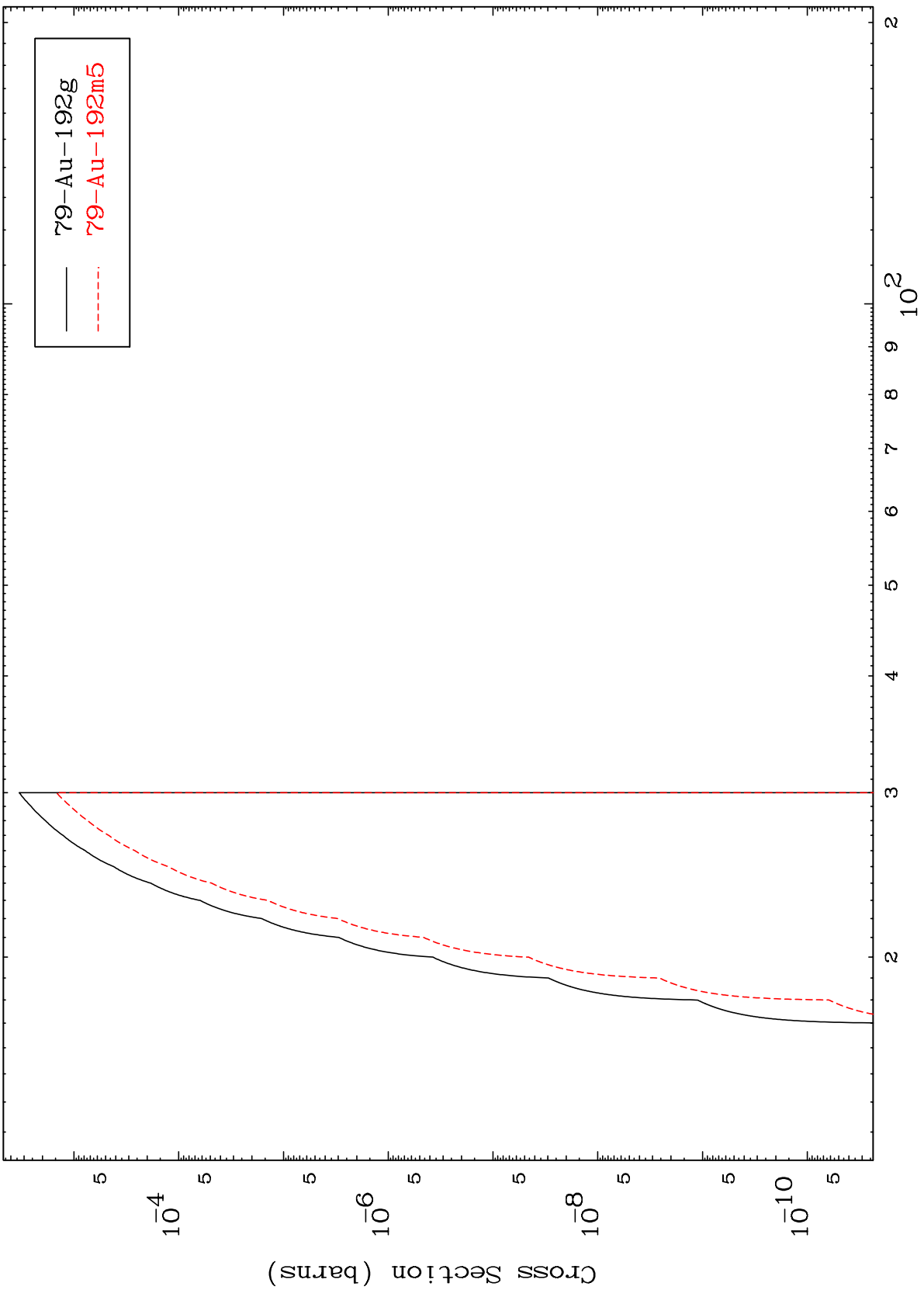
79-Au-193g  
79-Au-193m4

80-Hg-194

Incident Energy (MeV)

115

Radionuclide Production Cross Section



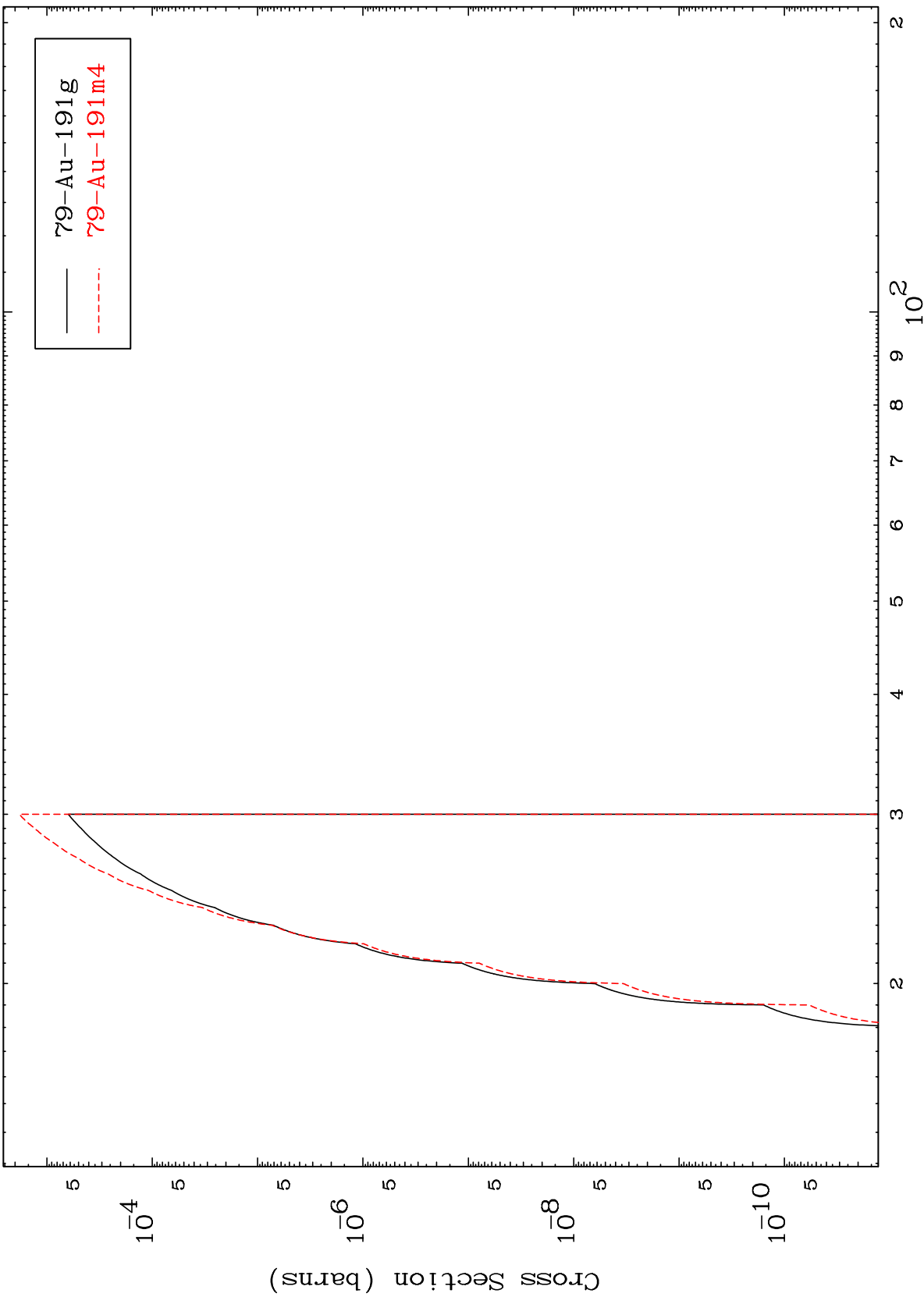
79-Au-192g  
79-Au-192m5

MAT 8019

(n,n') t

80-Hg-194

Radionuclide Production Cross Section



117

Incident Energy (MeV)

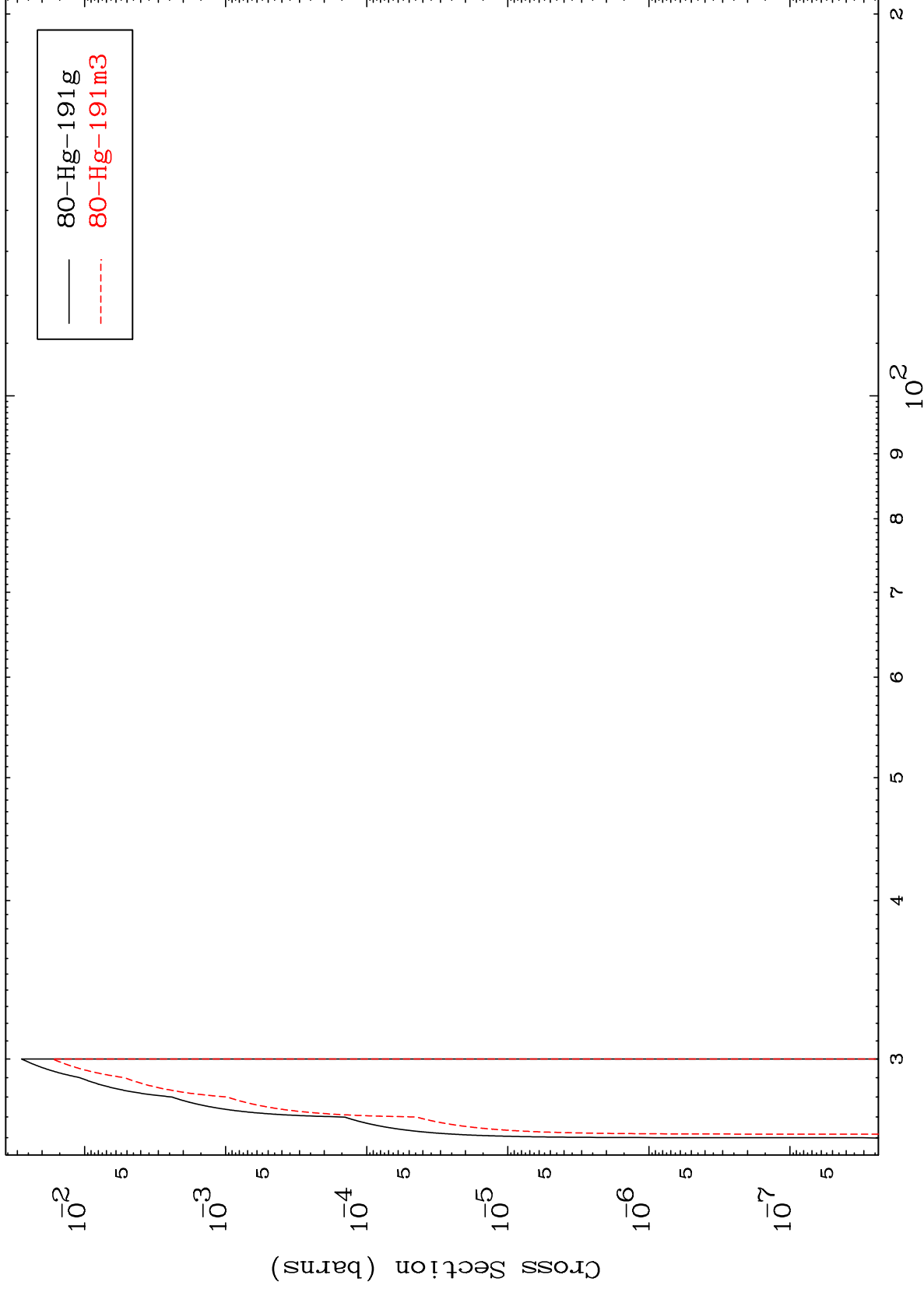
80-Hg-194

MAT 8019

(n,4n)

80-Hg-194

Radionuclide Production Cross Section



118

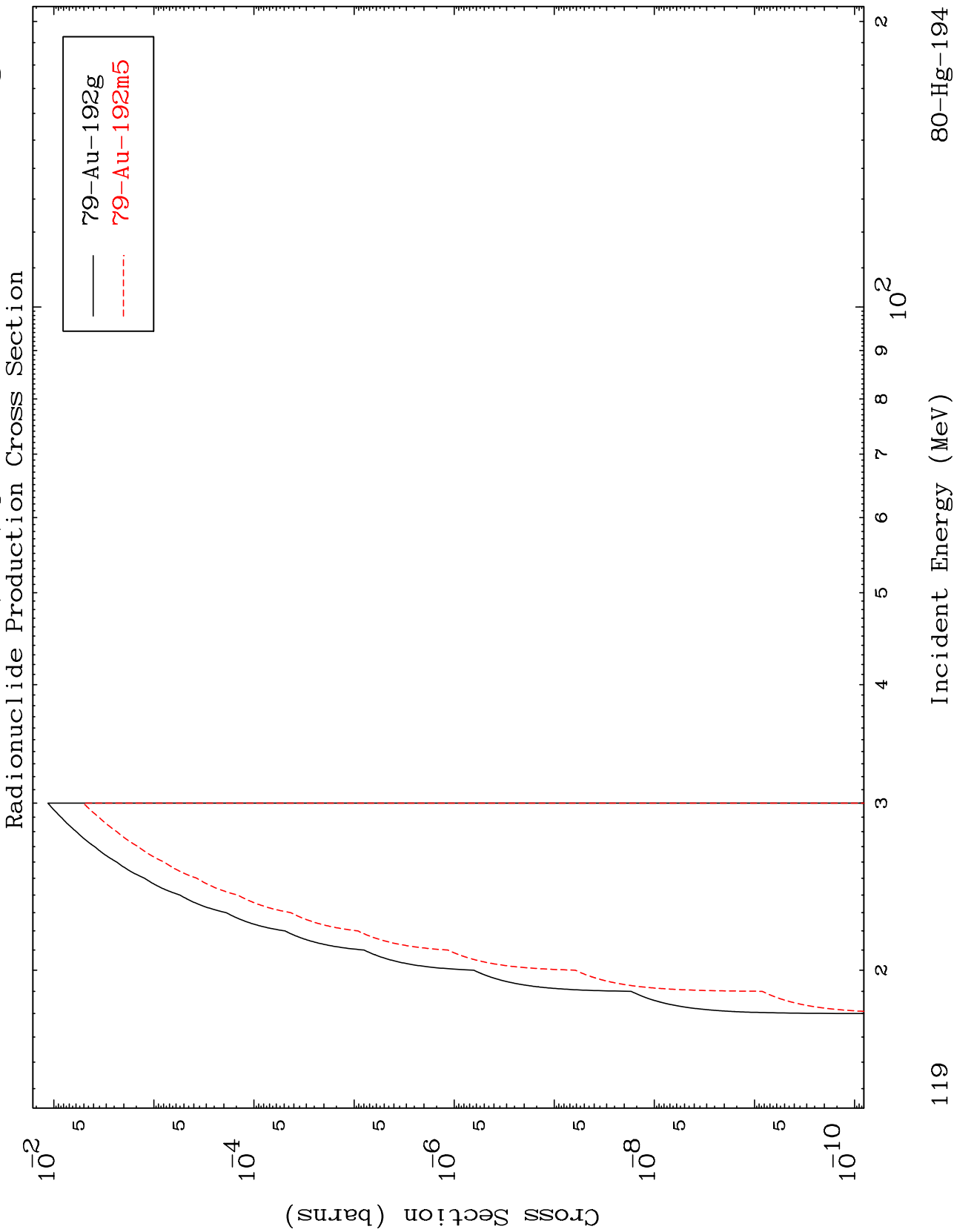
Incident Energy (MeV)

80-Hg-194

MAT 8019

(n,2n) p

80-Hg-194



119

Incident Energy (MeV)

80-Hg-194

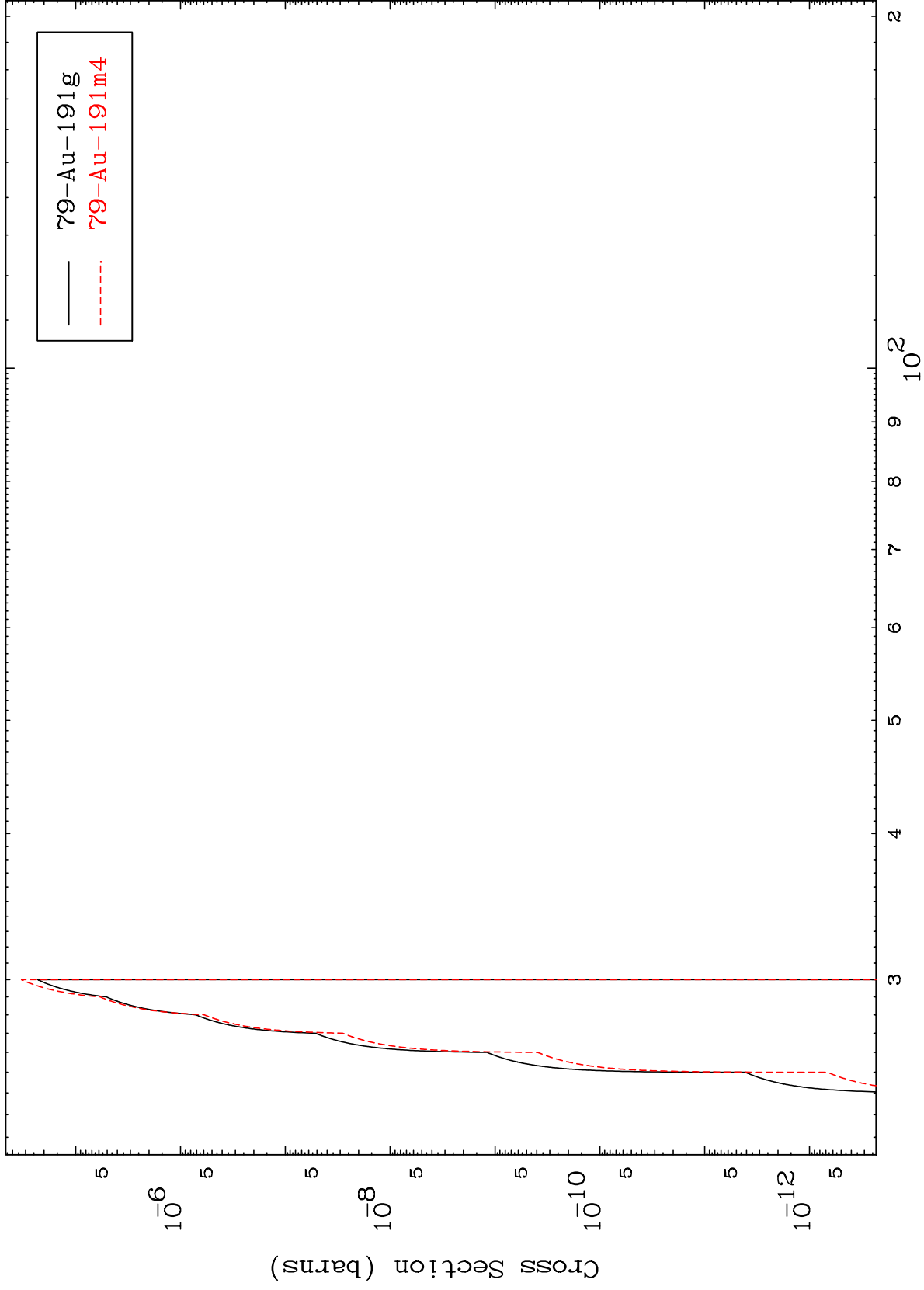


MAT 8019

(n,3n) p

80-Hg-194

Radionuclide Production Cross Section



120

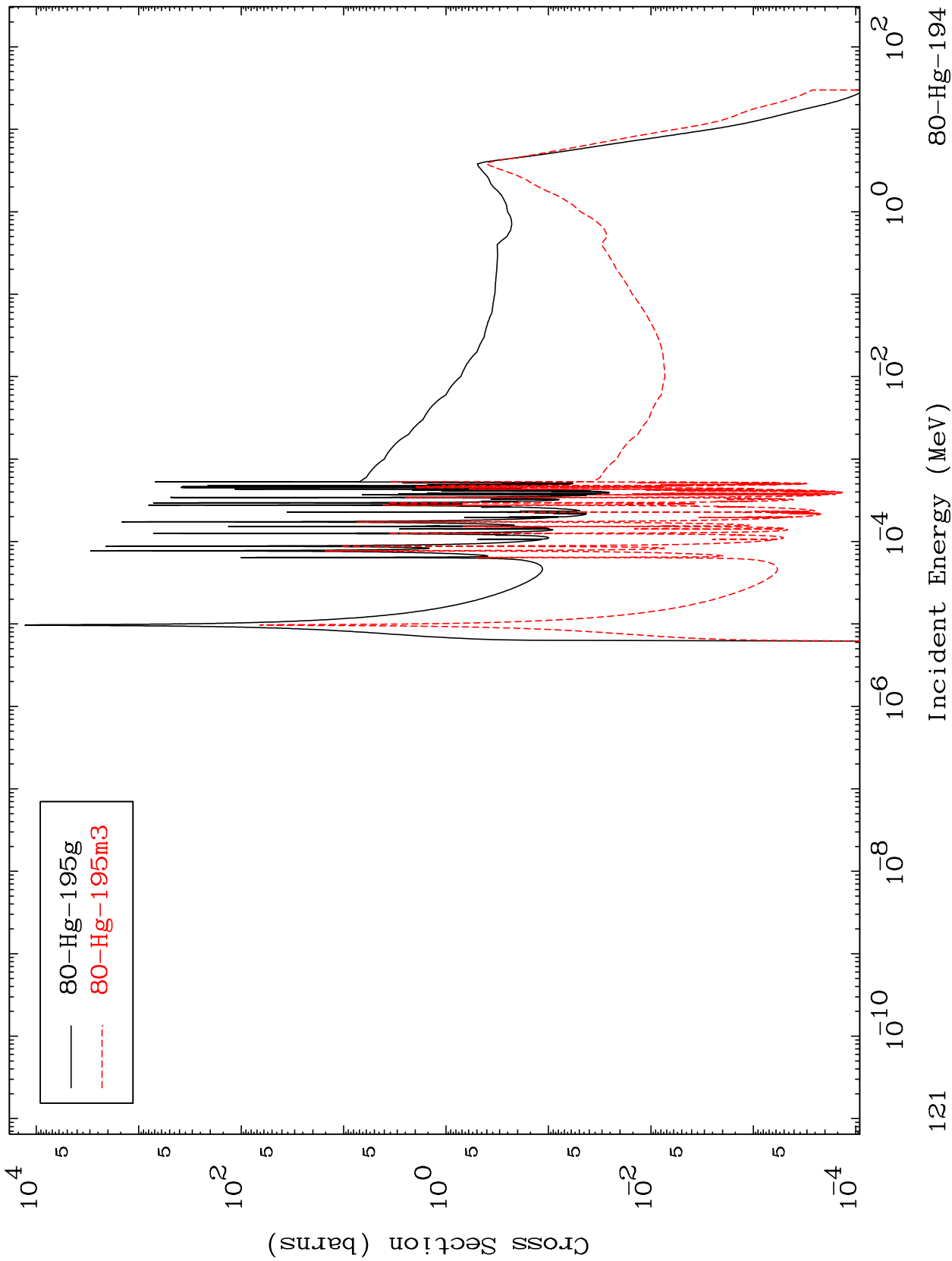
Incident Energy (MeV)

80-Hg-194

MAT 8019

80-Hg-194

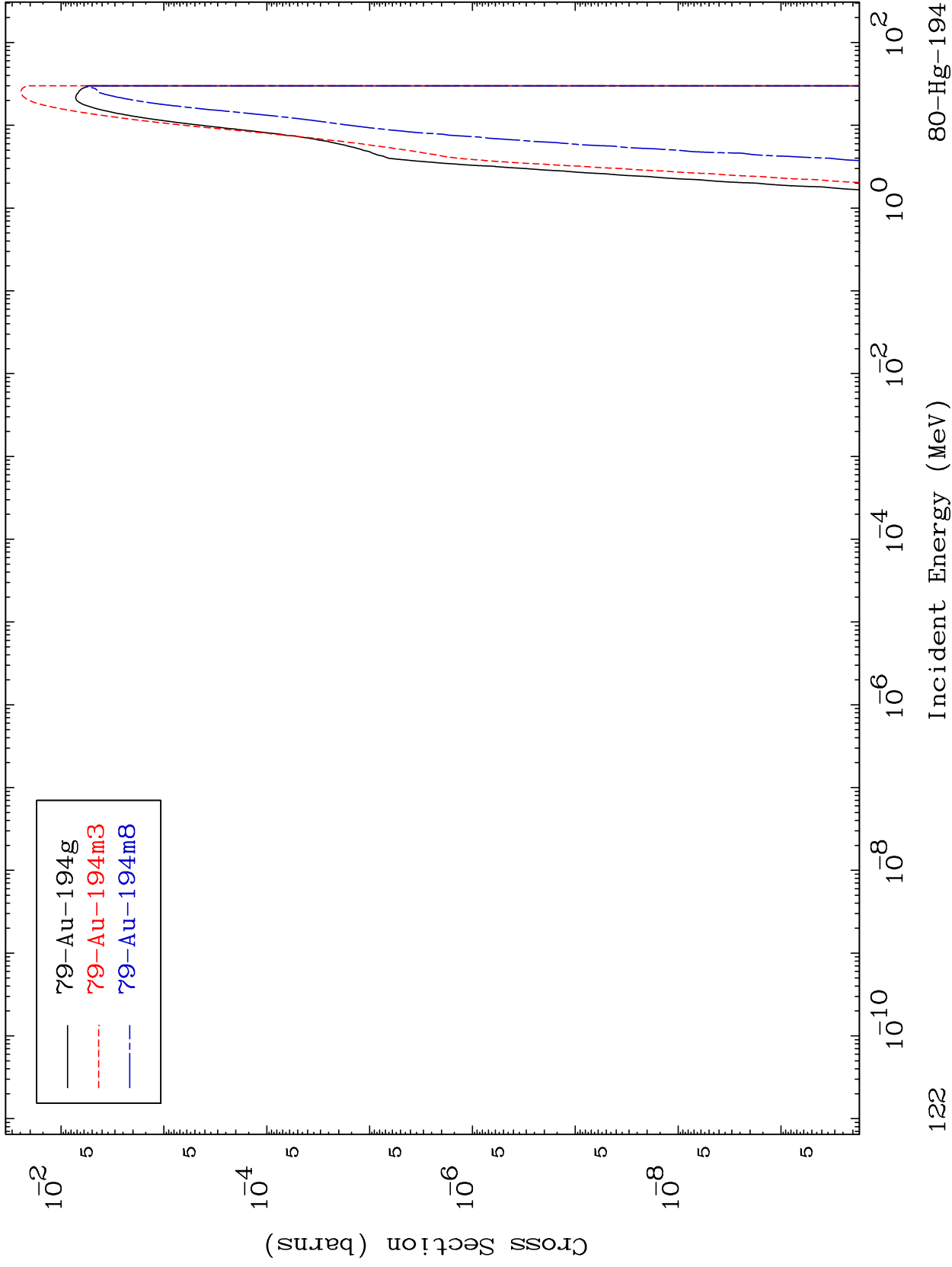
(n,  $\gamma$ )  
Radionuclide Production Cross Section



MAT 8019

(n,p)  
Radionuclide Production Cross Section

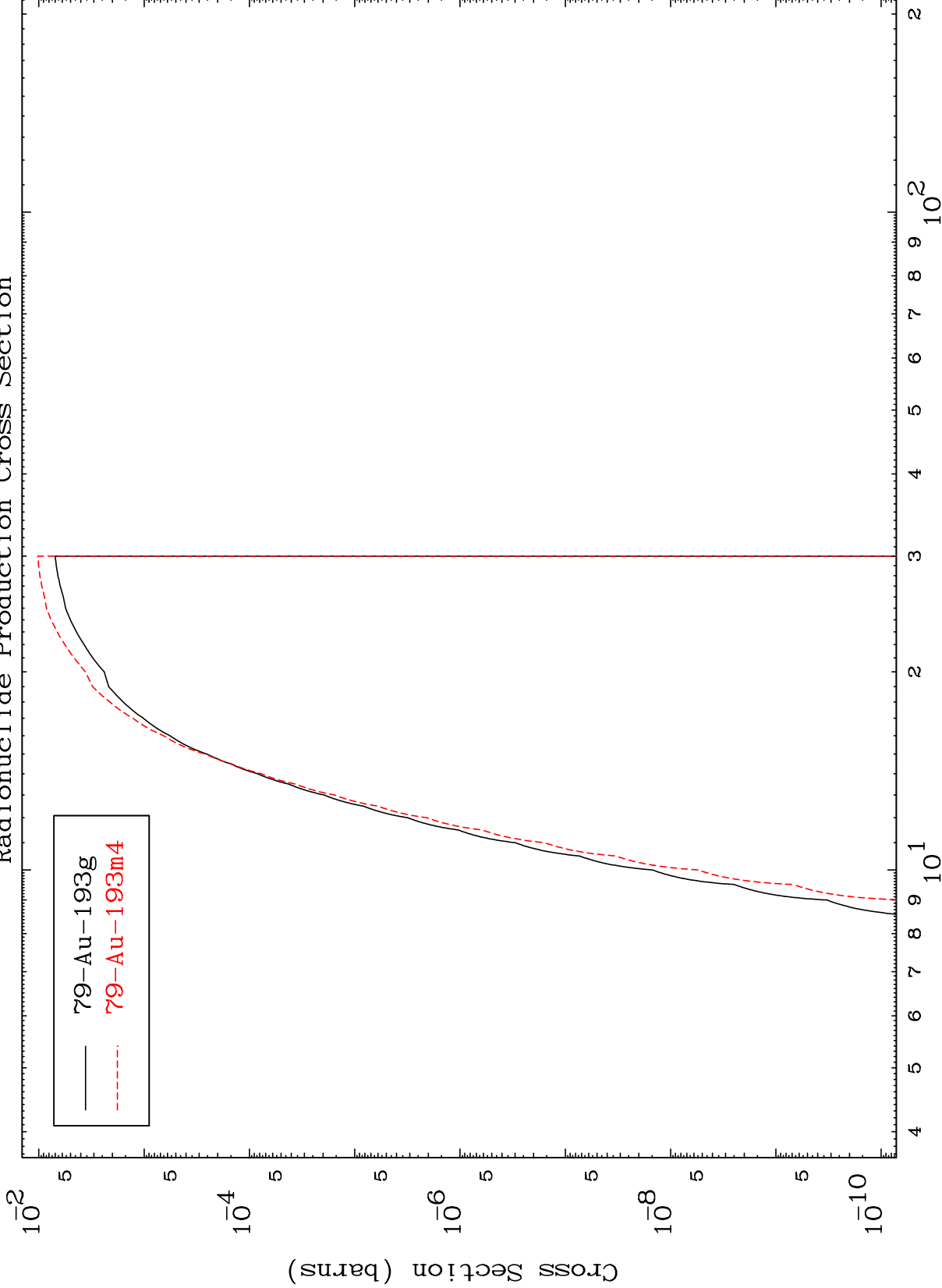
80-Hg-194



MAT 8019

80-Hg-194

(n,d)  
Radionuclide Production Cross Section



— 79-Au-193g  
- - - 79-Au-193m4

80-Hg-194

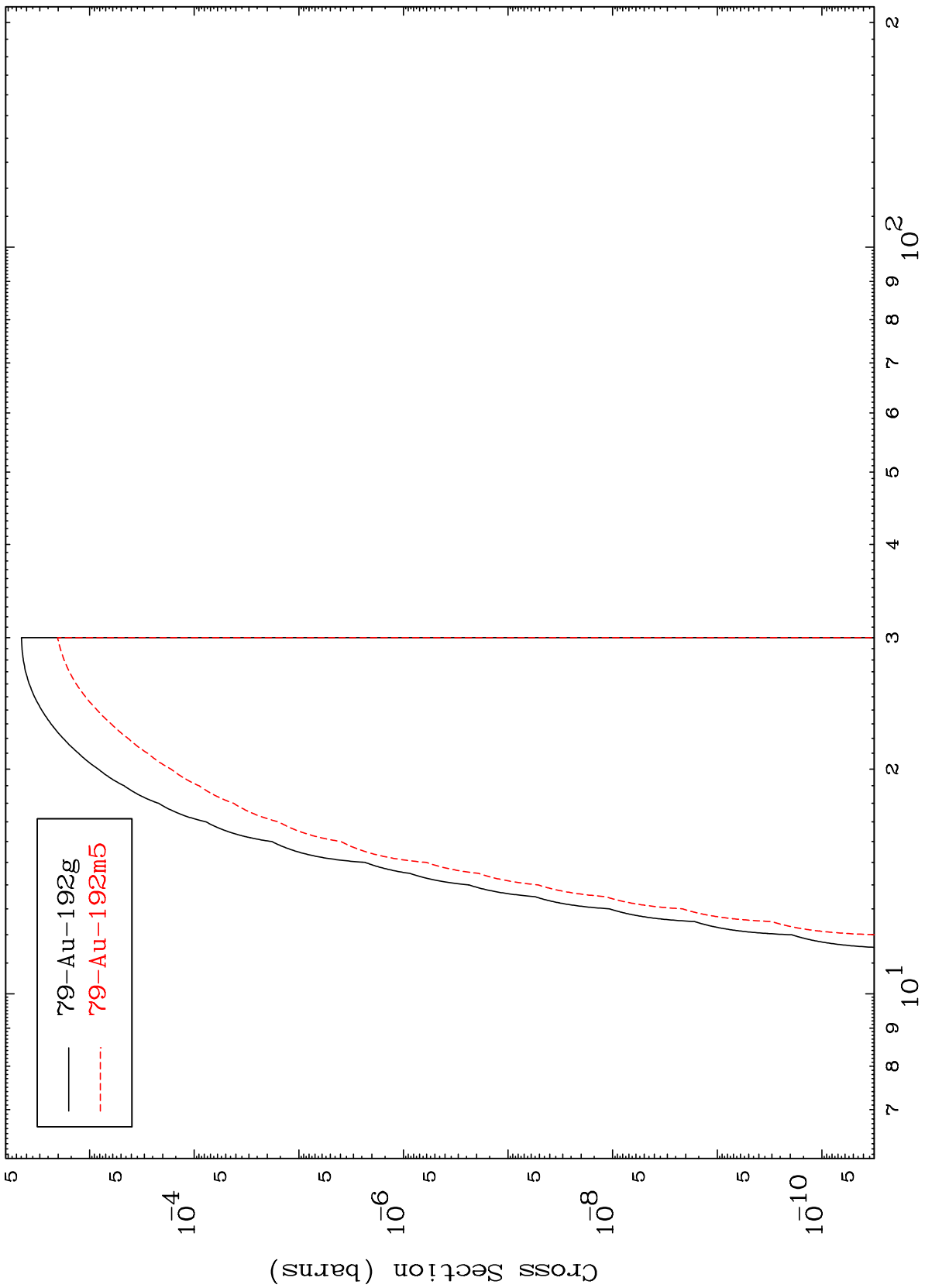
Incident Energy (MeV)

123

MAT 8019

80-Hg-194

(n, t)  
Radionuclide Production Cross Section



124

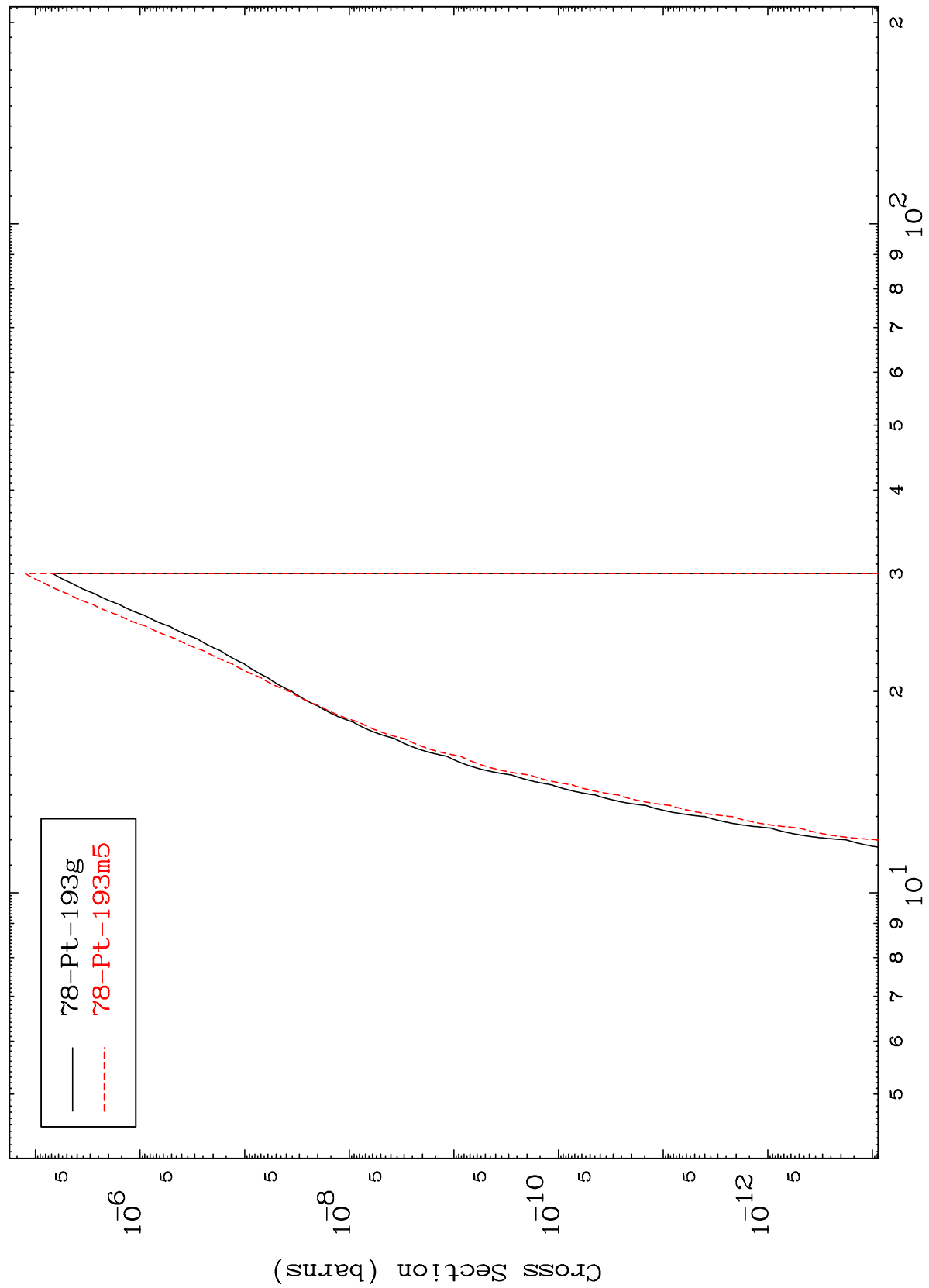
Incident Energy (MeV)

80-Hg-194

MAT 8019

80-Hg-194

(n,2p)  
Radionuclide Production Cross Section



125

Incident Energy (MeV)

80-Hg-194

MAT 8019

(n,p)  $\alpha$

80-Hg-194

Radionuclide Production Cross Section

