

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

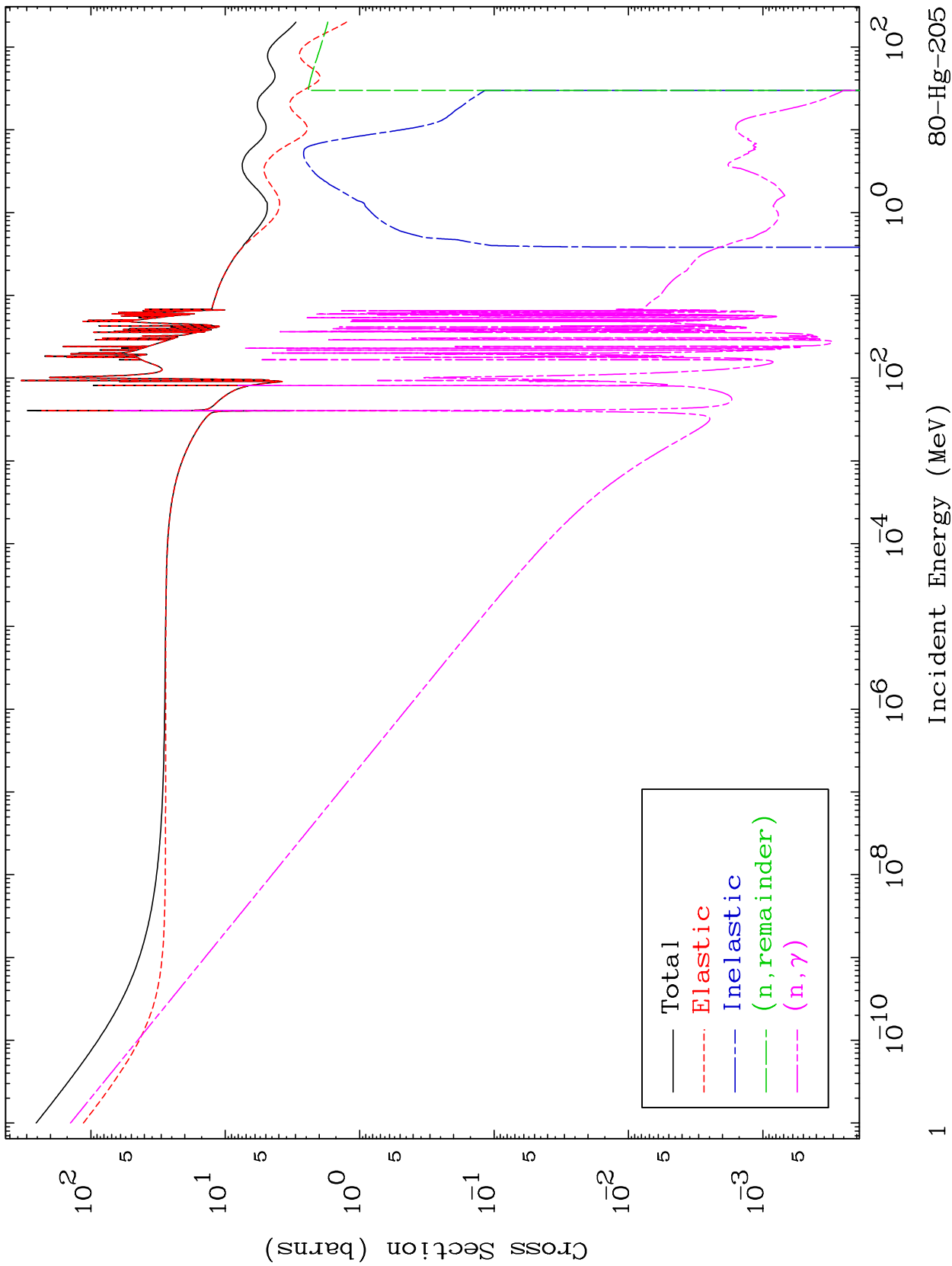
Press Mouse Button to Start

MAT 8052

Major

293 Kelvin Cross Sections

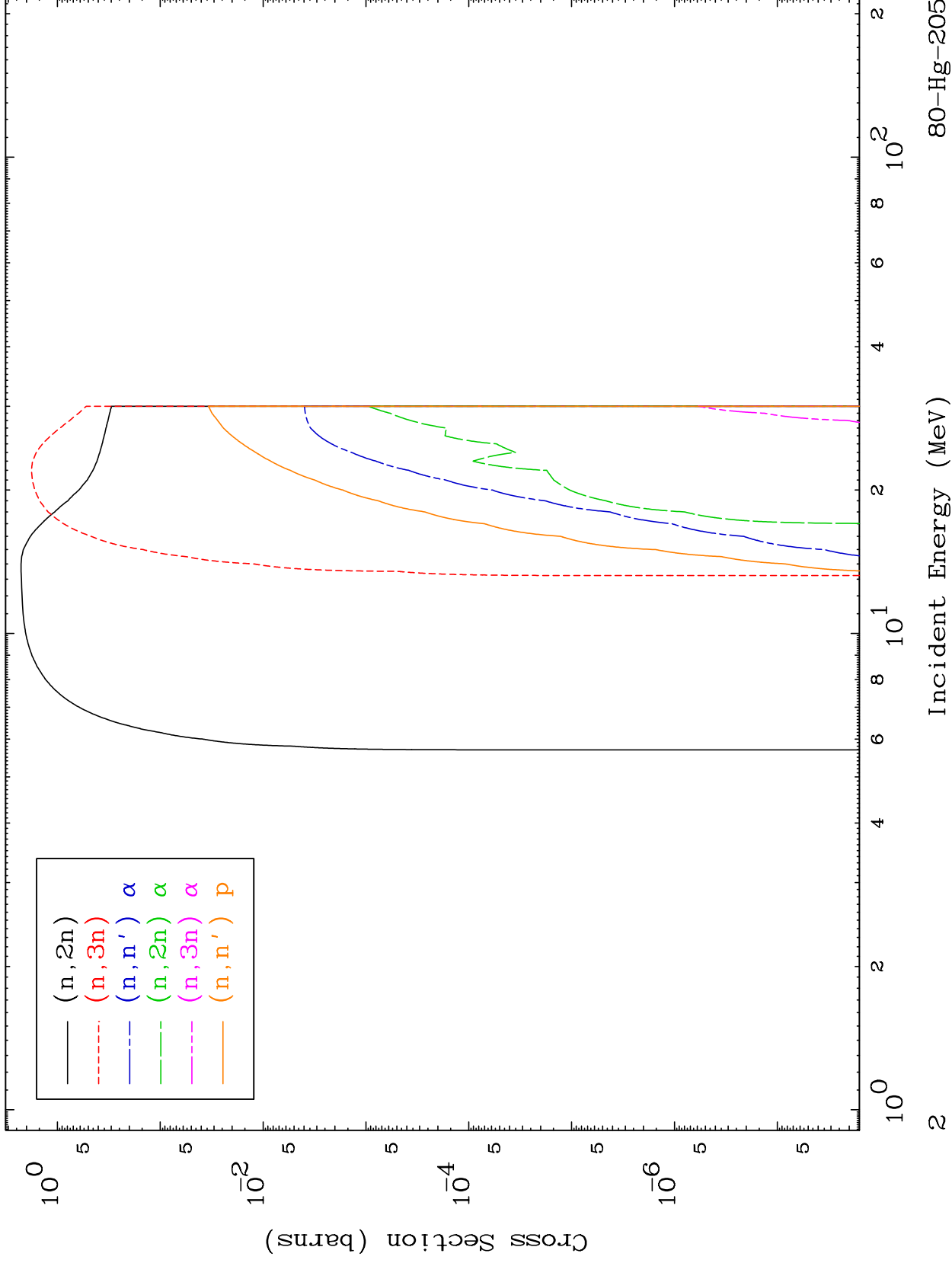
80-Hg-205

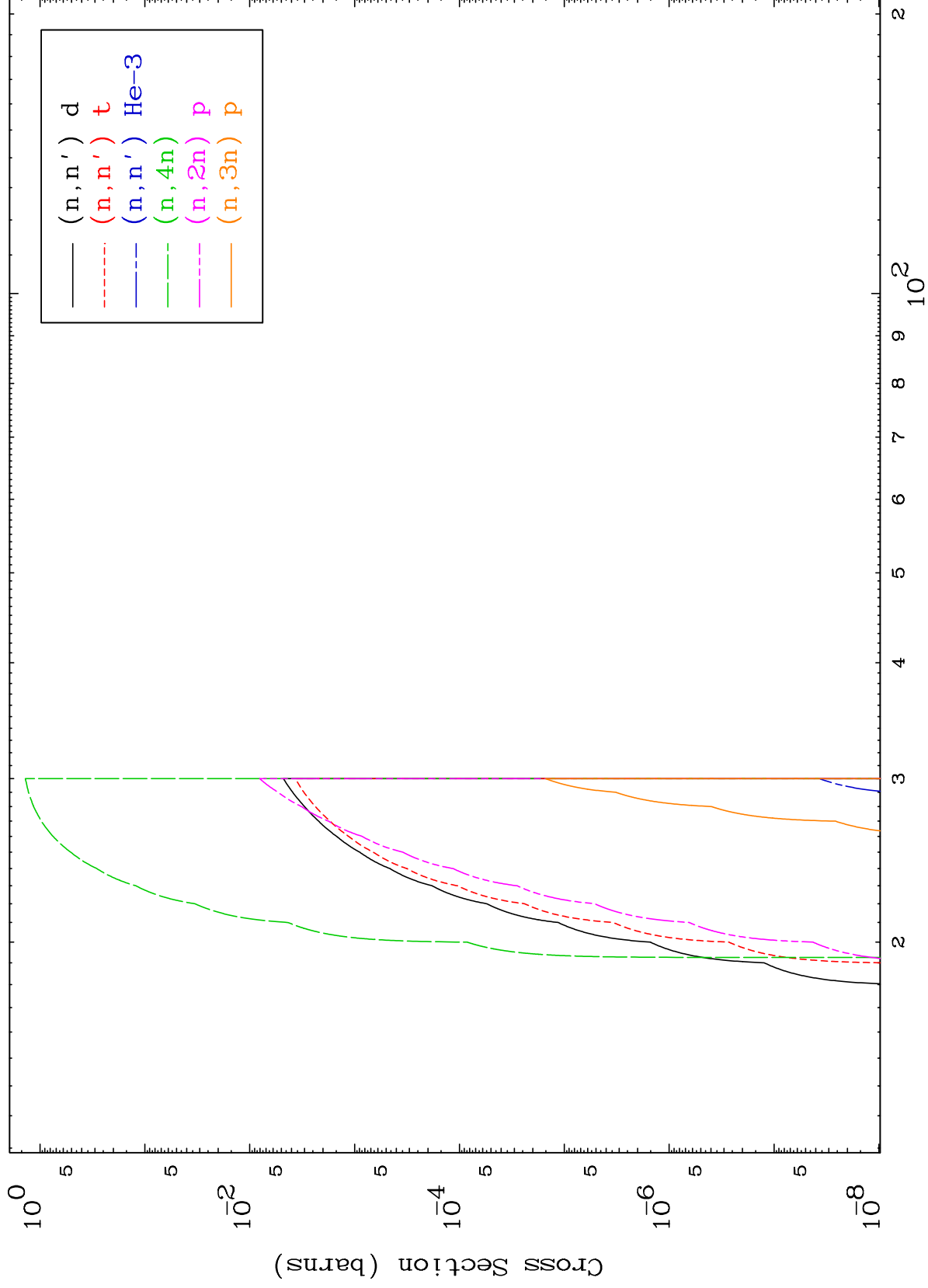


MAT 8052

Neutron Production
293 Kelvin Cross Sections

80-Hg-205

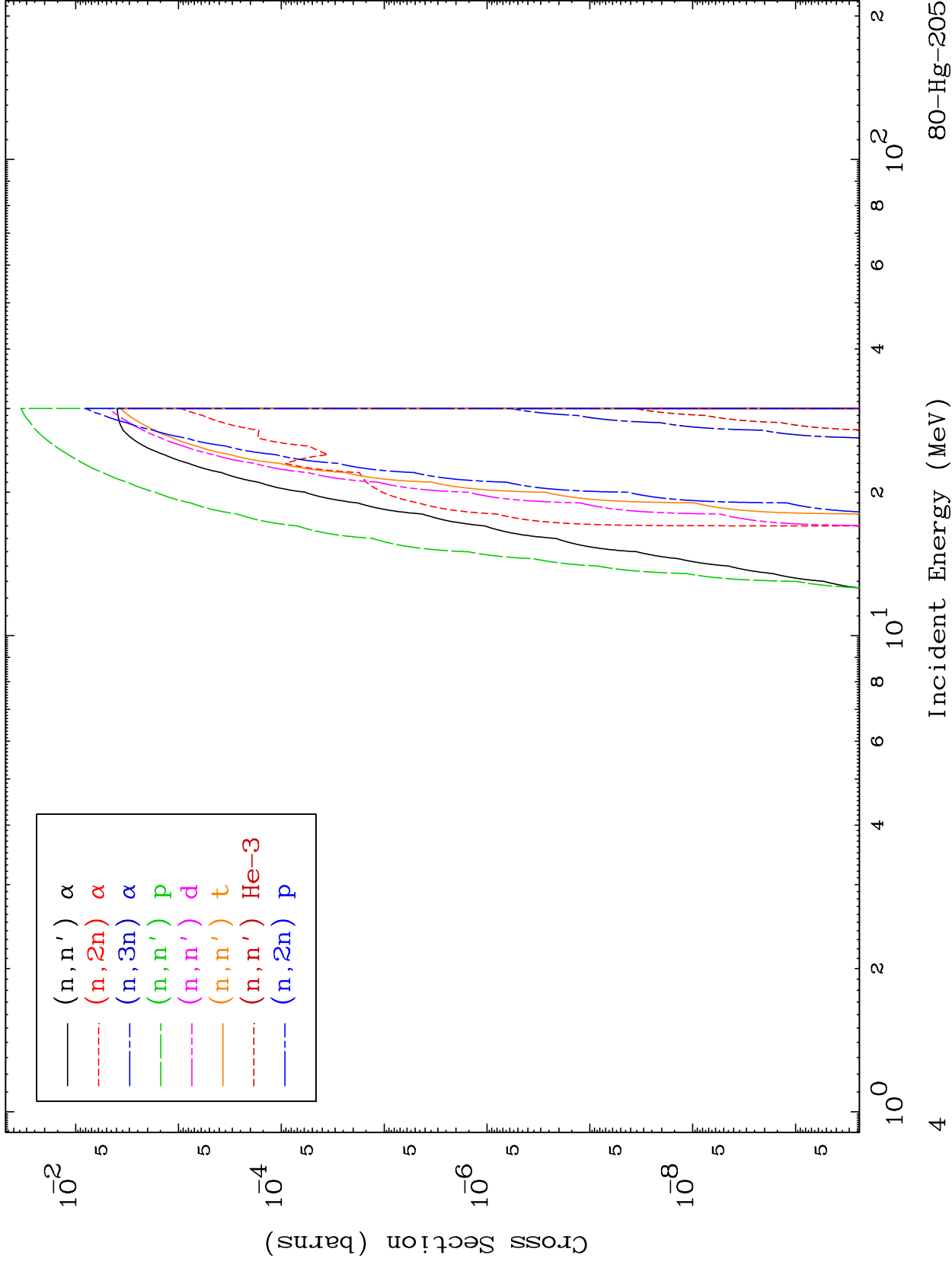




MAT 8052

Charged Particle
293 Kelvin Cross Sections

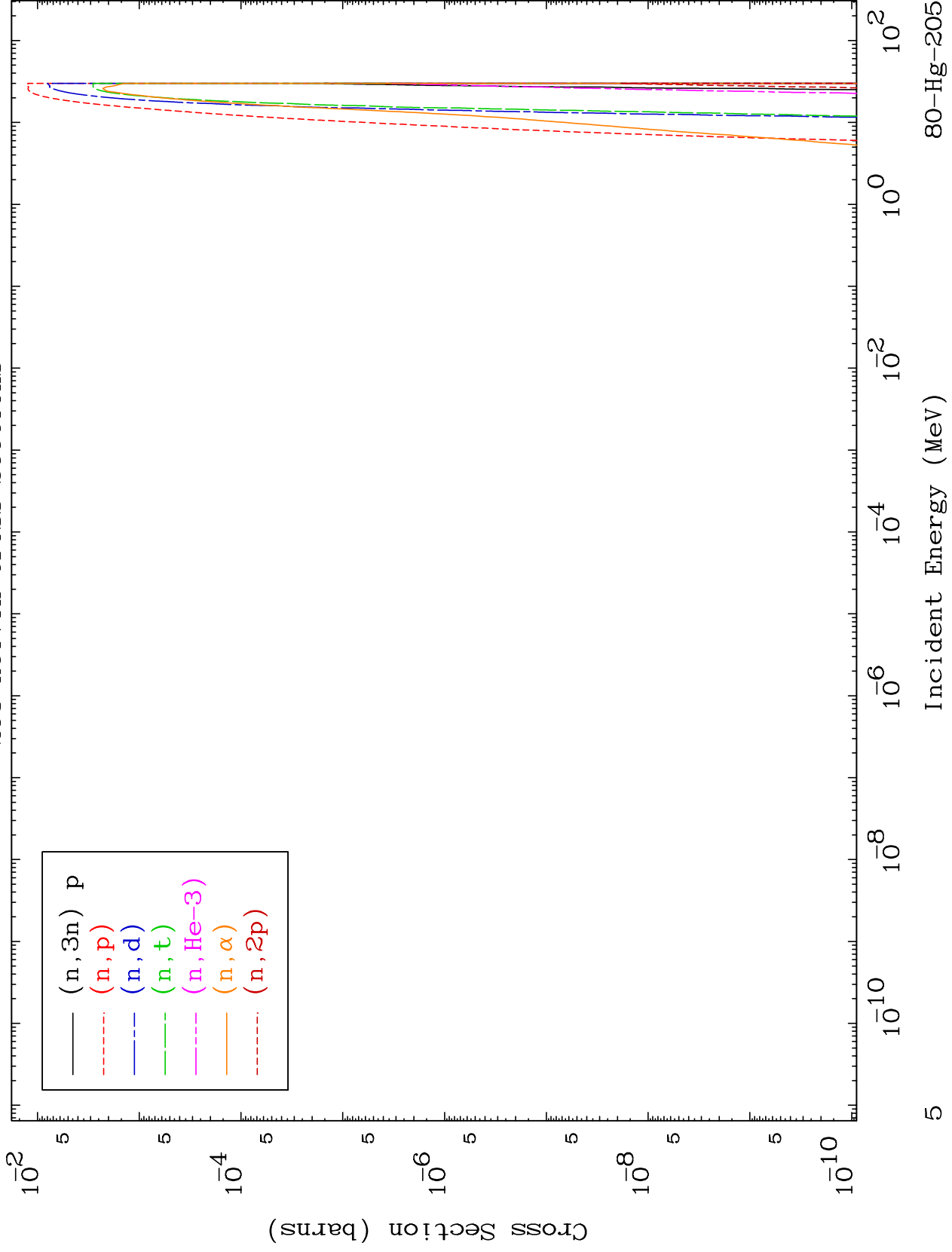
80-Hg-205

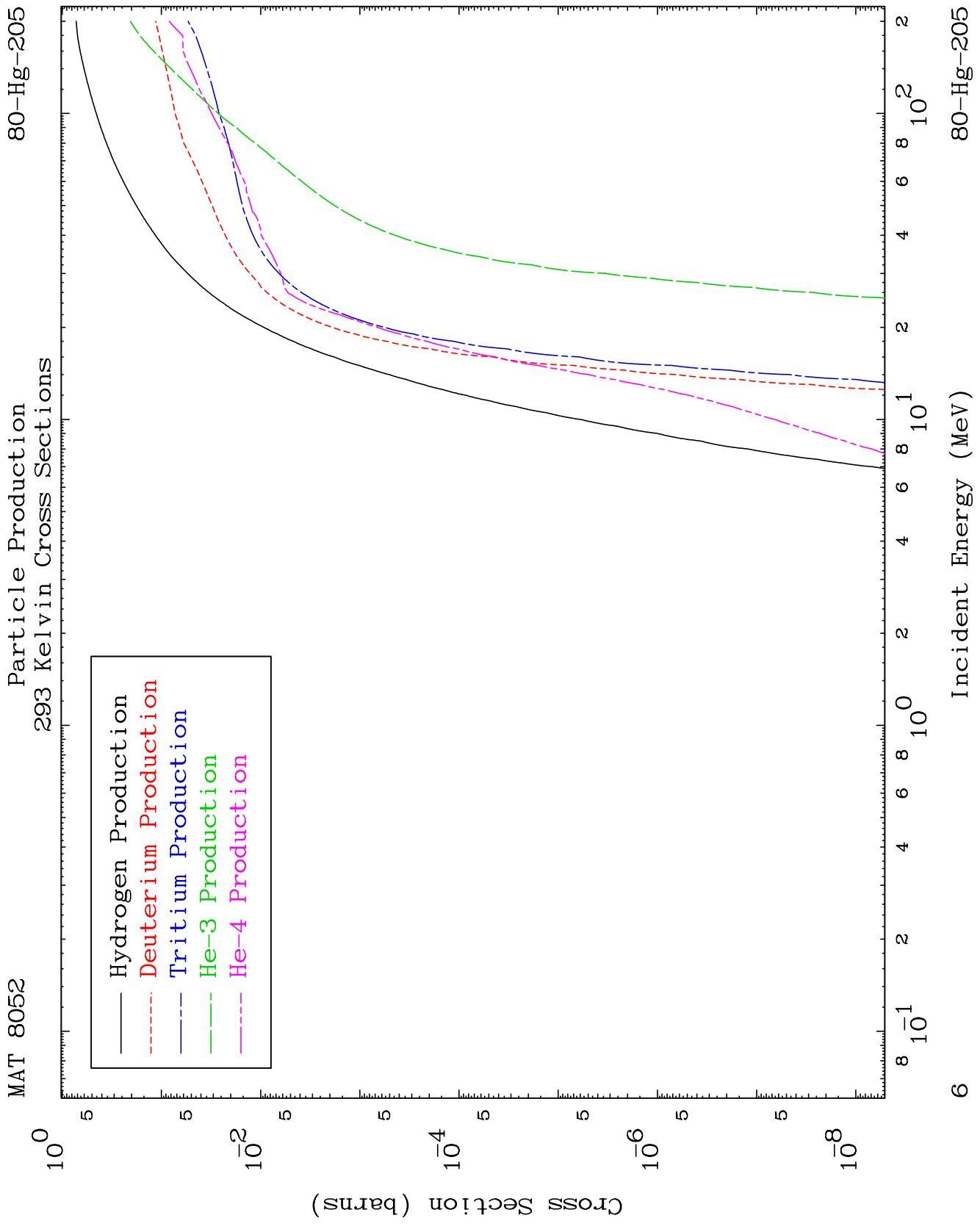


MAT 8052

Charged Particle
293 Kelvin Cross Sections

80-Hg-205



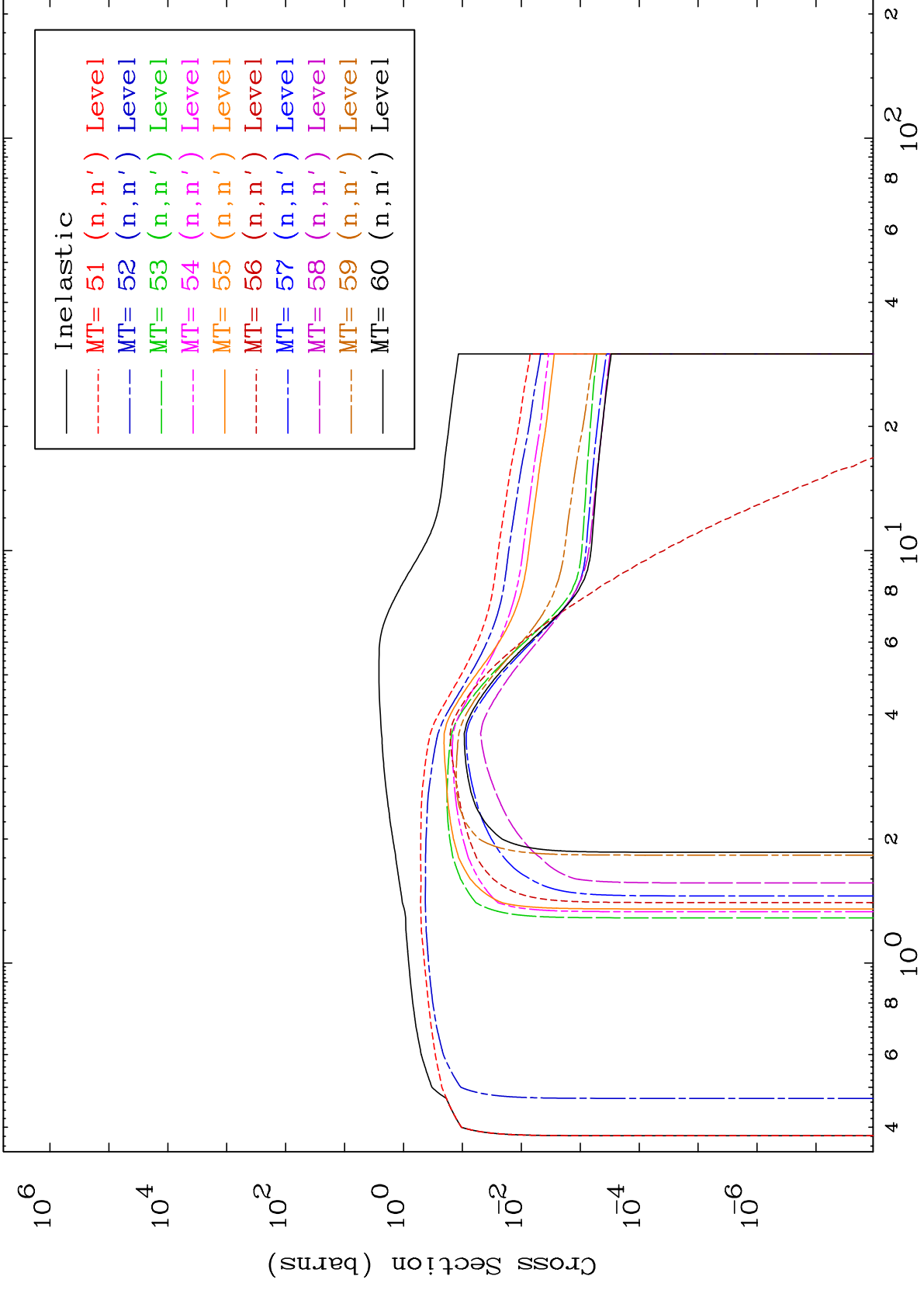


MAT 8052

(n,n') Level

80-Hg-205

293 Kelvin Cross Sections

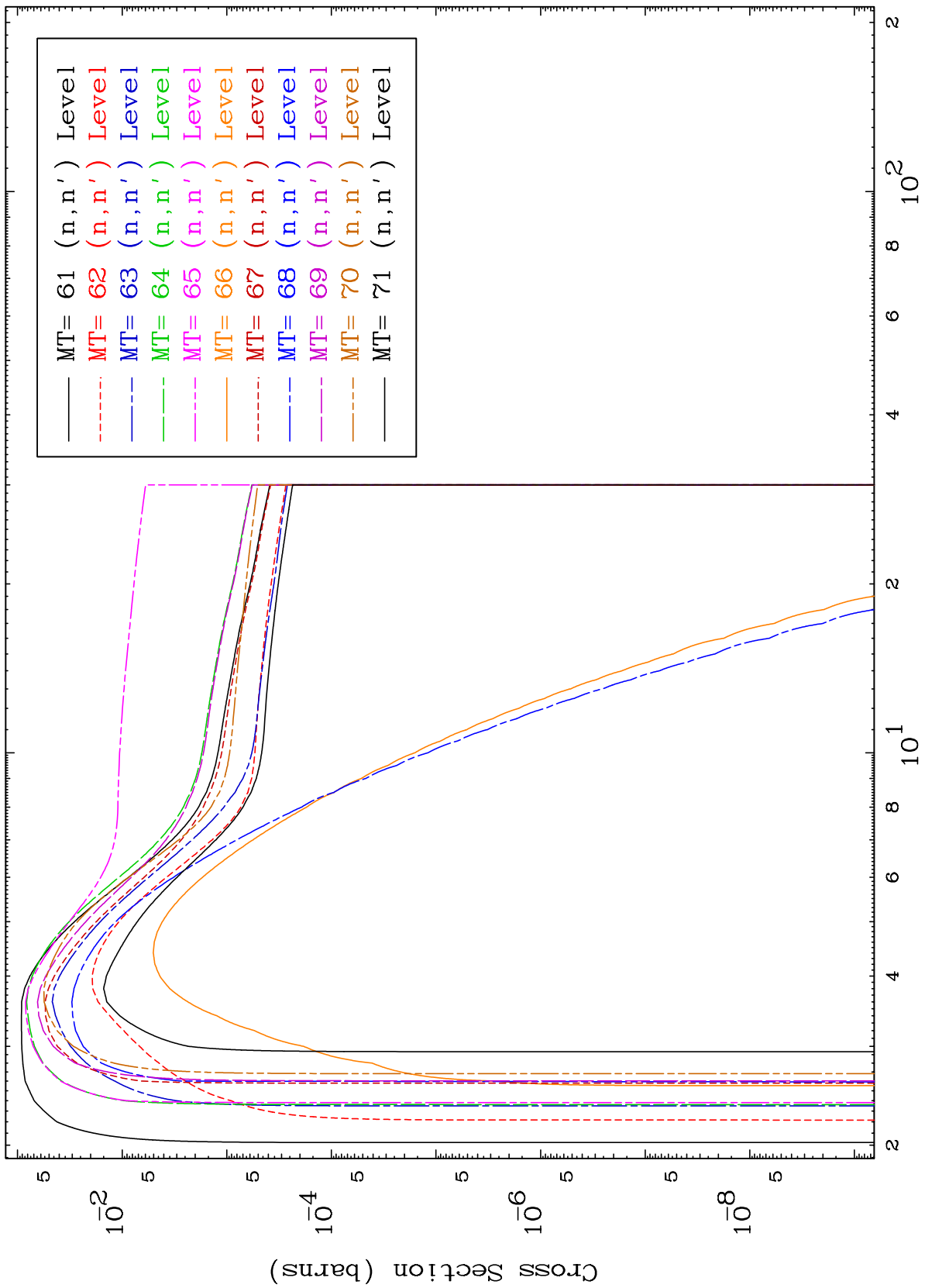


MAT 8052

(n,n') Level

293 Kelvin Cross Sections

80-Hg-205



8

Incident Energy (MeV)

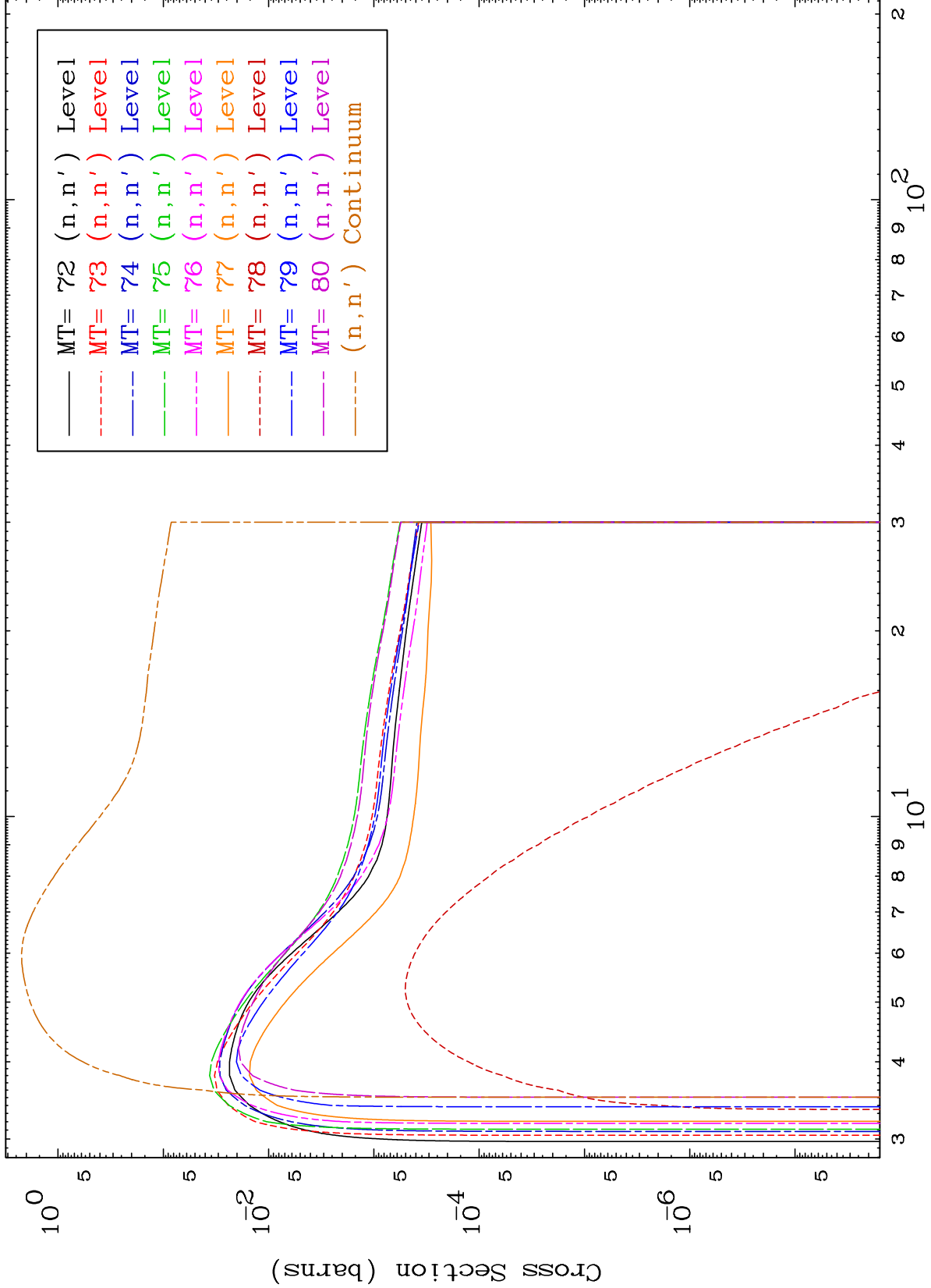
80-Hg-205

MAT 8052

(n,n') Level

80-Hg-205

293 Kelvin Cross Sections



9

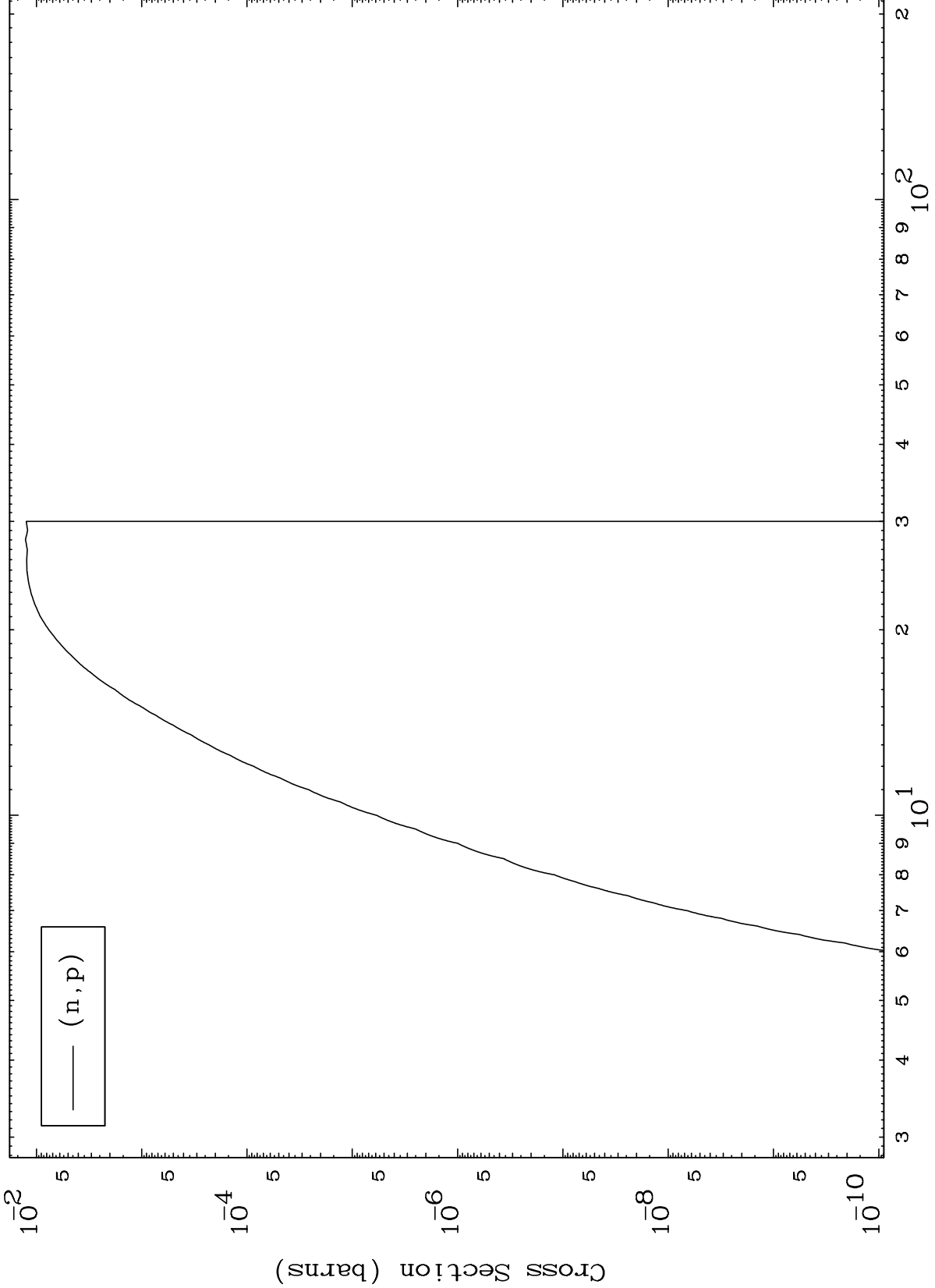
Incident Energy (MeV)

80-Hg-205

MAT 8052

(n,p) Levels
293 Kelvin Cross Sections

80-Hg-205



10

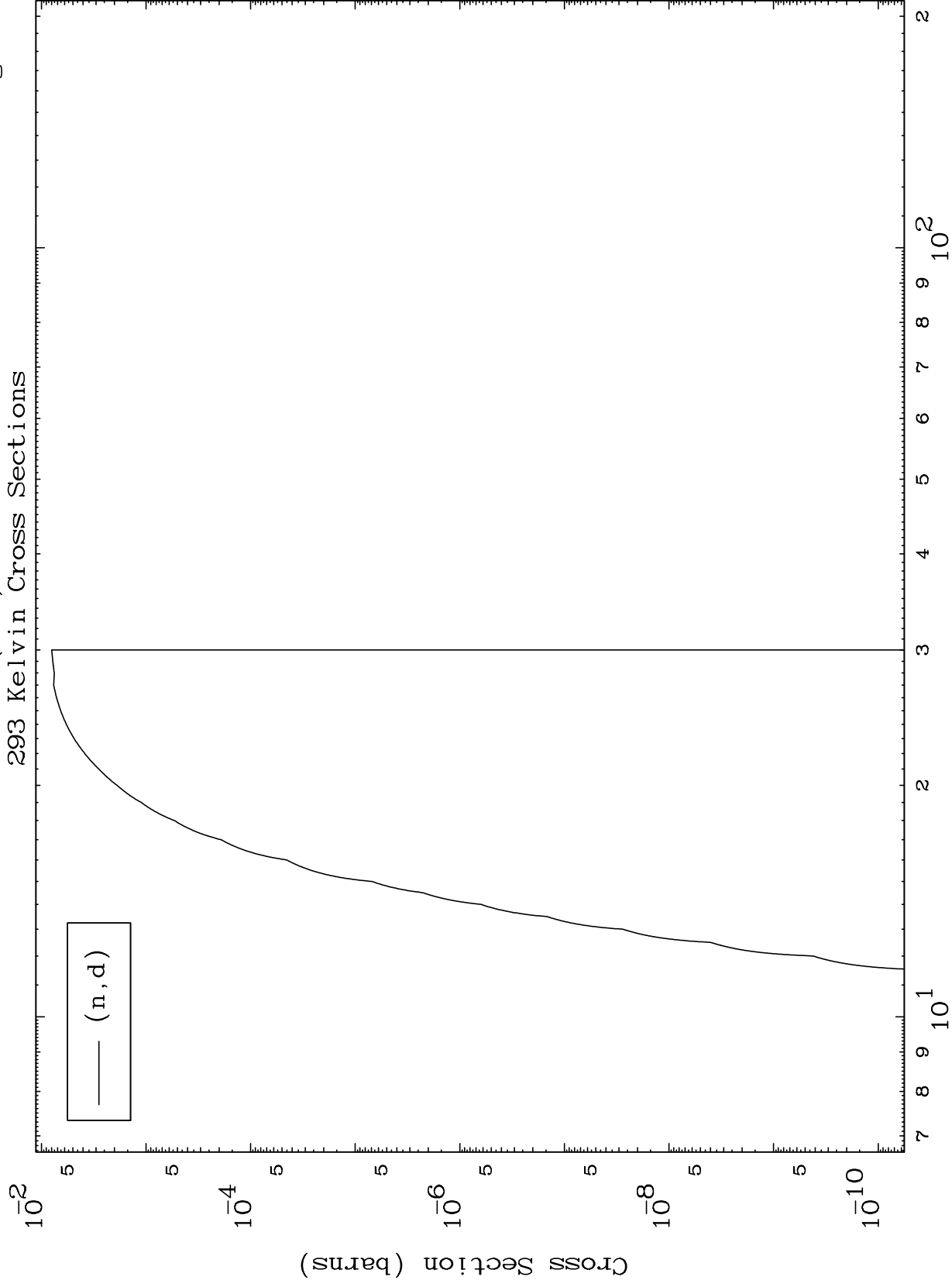
Incident Energy (MeV)

80-Hg-205

MAT 8052

(n,d) Levels
293 Kelvin Cross Sections

80-Hg-205



11

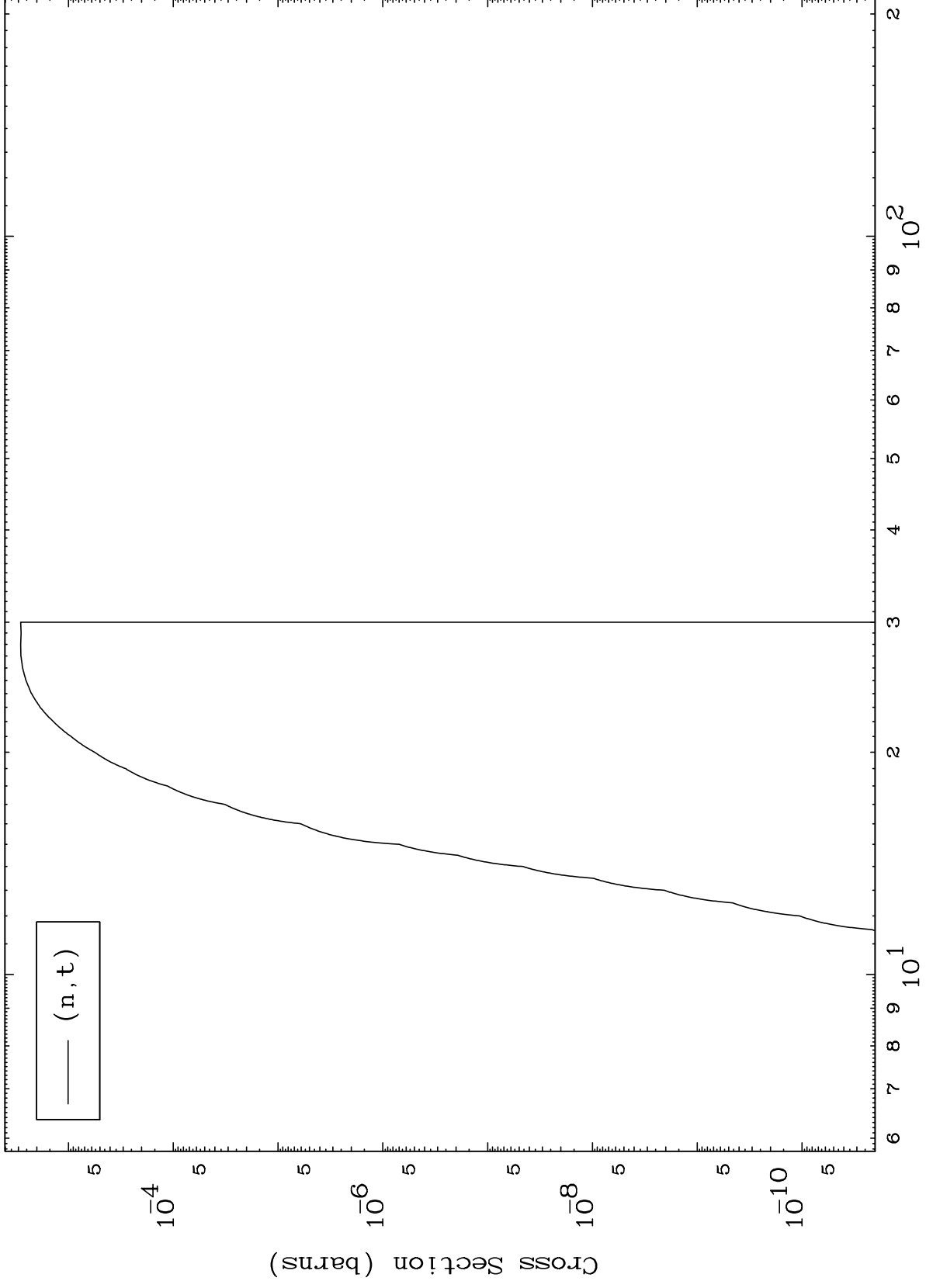
Incident Energy (MeV)

80-Hg-205

MAT 8052

(n,t) Levels
293 Kelvin Cross Sections

80-Hg-205



12

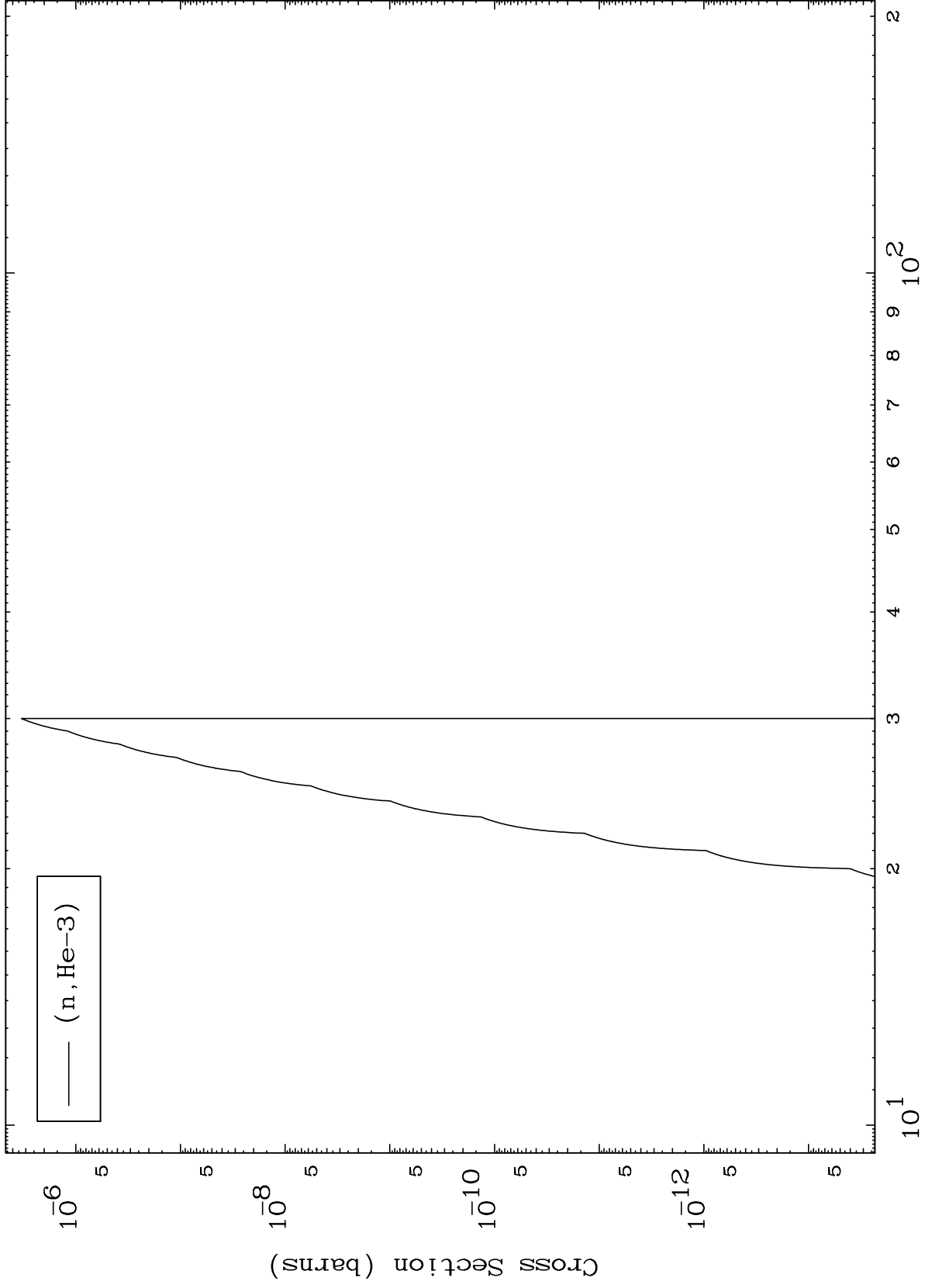
Incident Energy (MeV)

80-Hg-205

MAT 8052

(n,He3) Levels
293 Kelvin Cross Sections

80-Hg-205



13

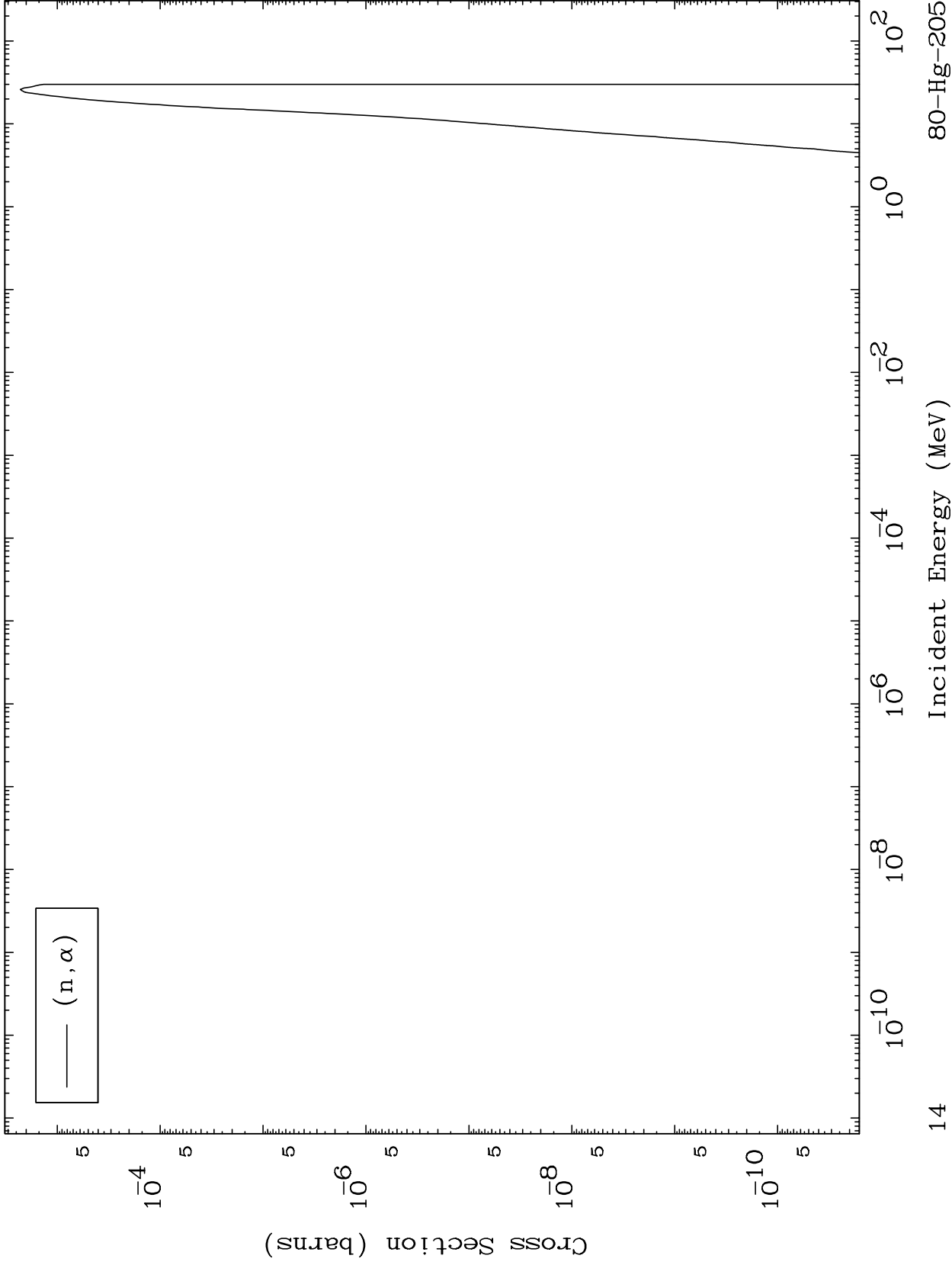
Incident Energy (MeV)

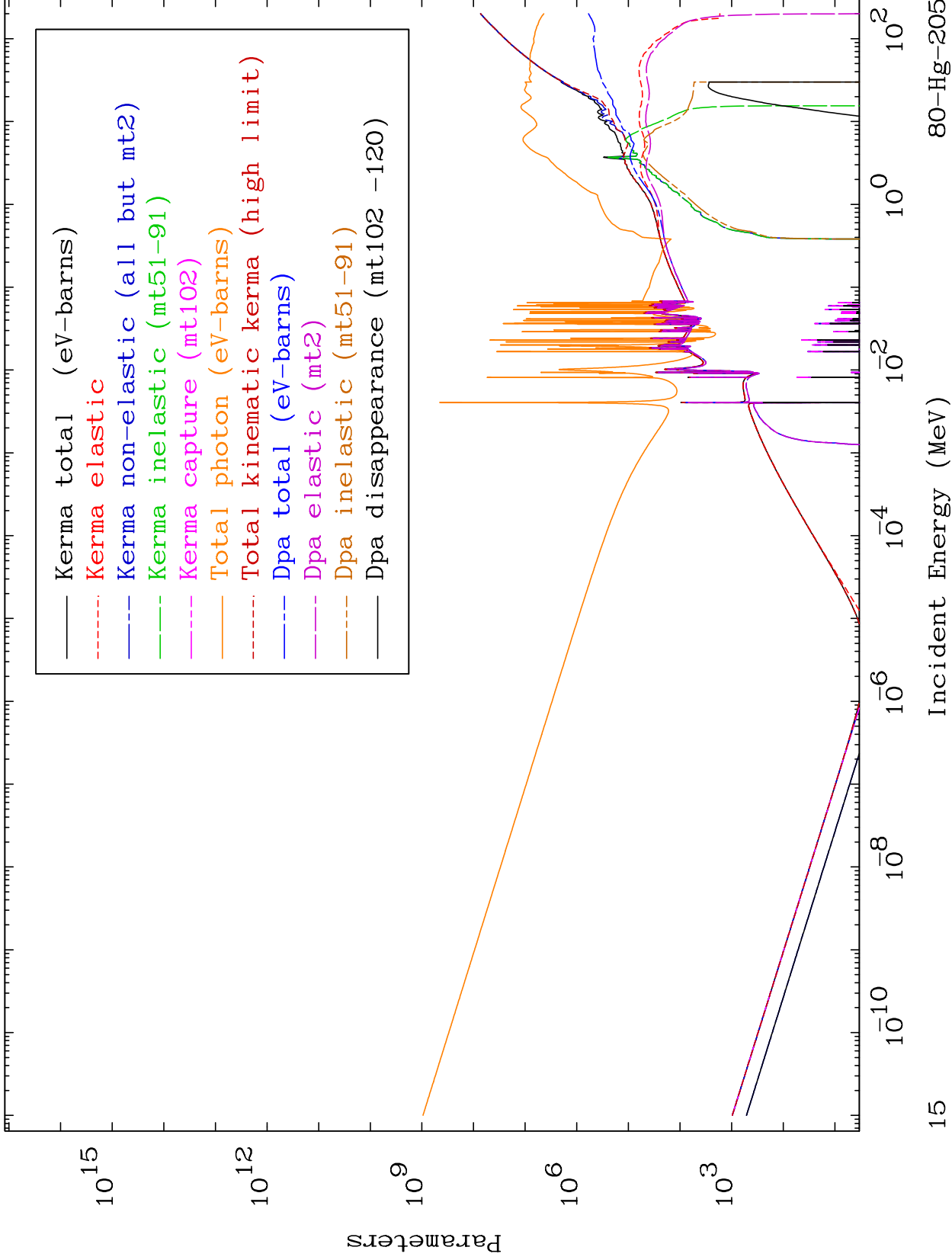
80-Hg-205

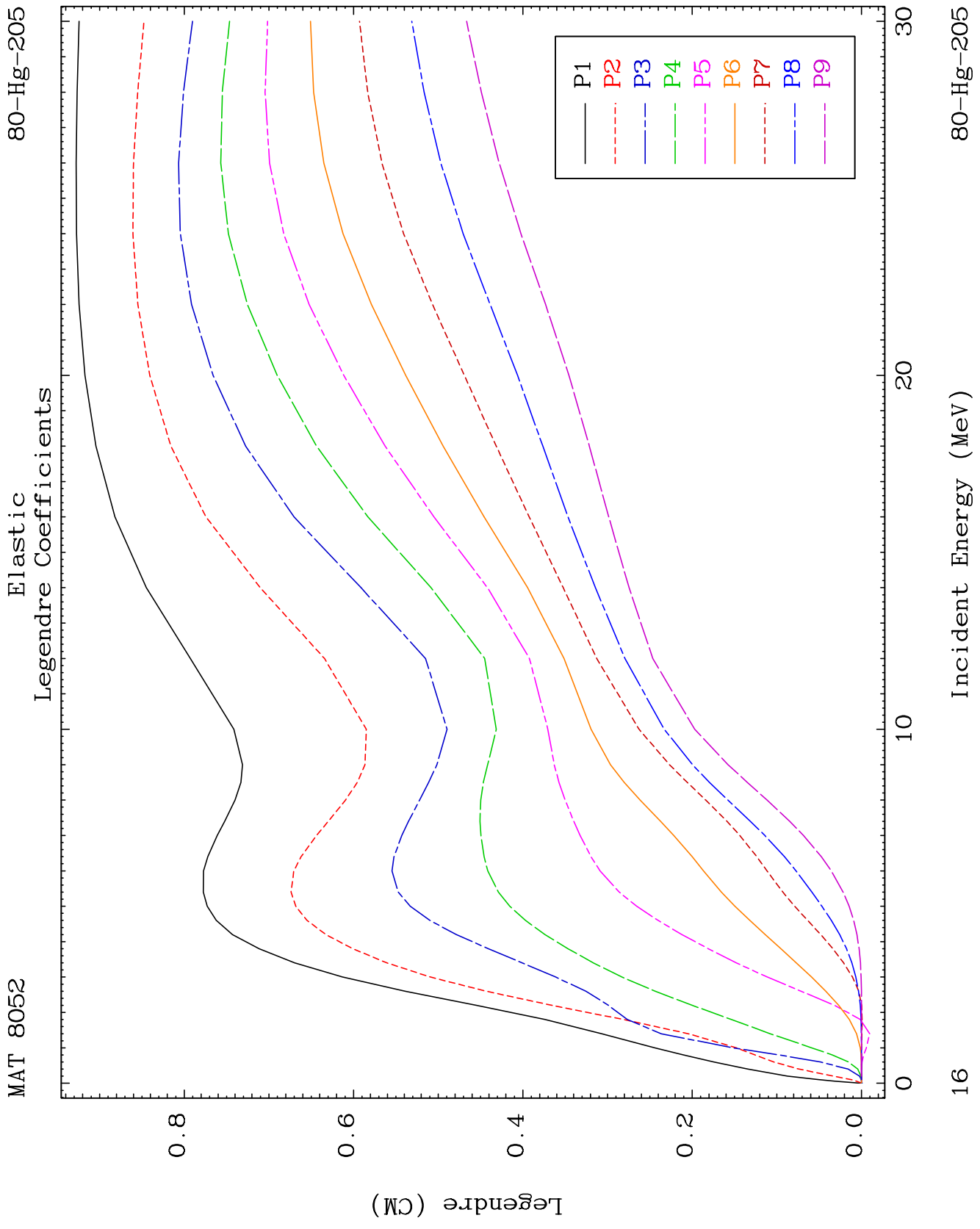
MAT 8052

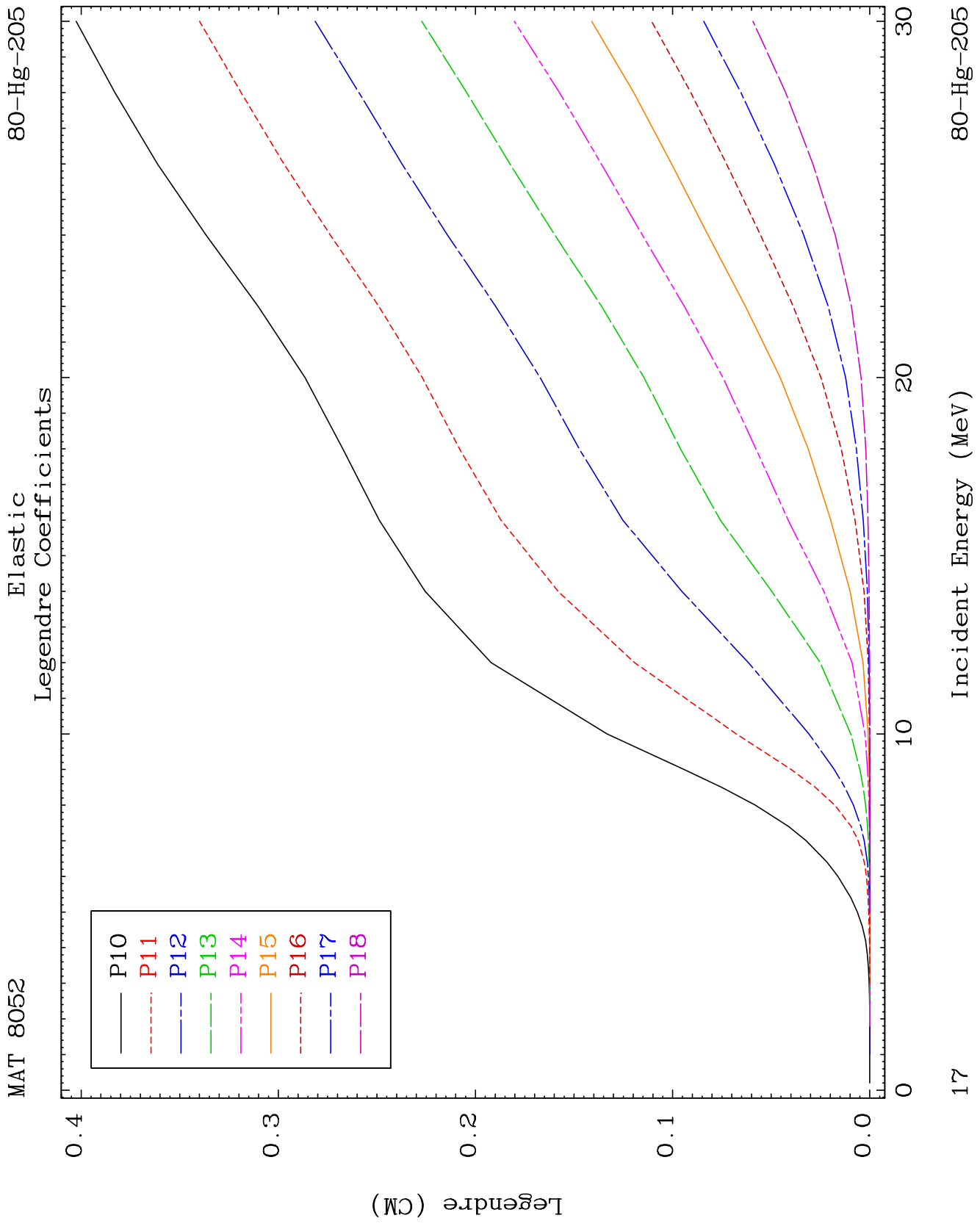
(n, α) Levels
293 Kelvin Cross Sections

80-Hg-205





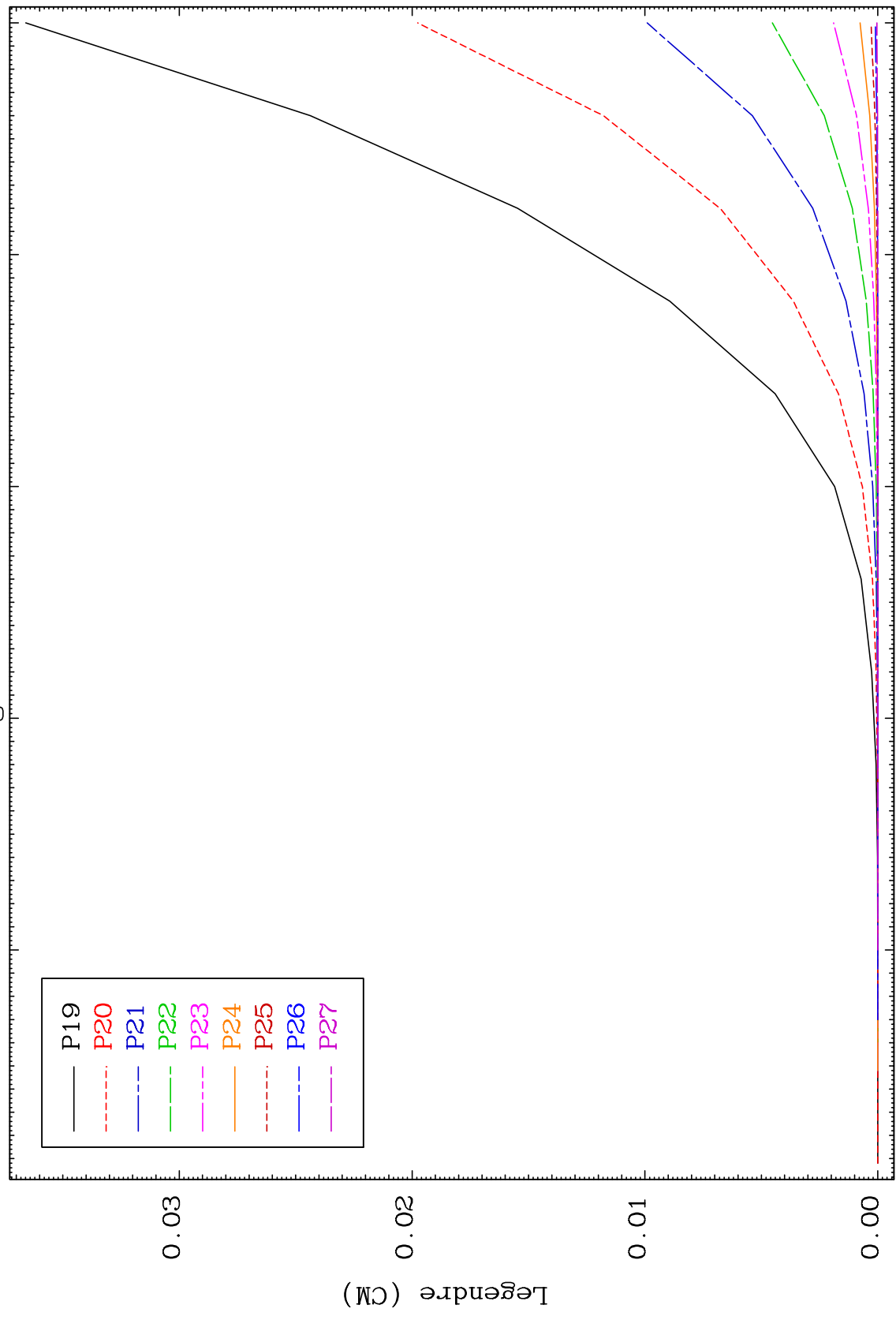




MAT 8052

Elastic Legendre Coefficients

80-Hg-205



18

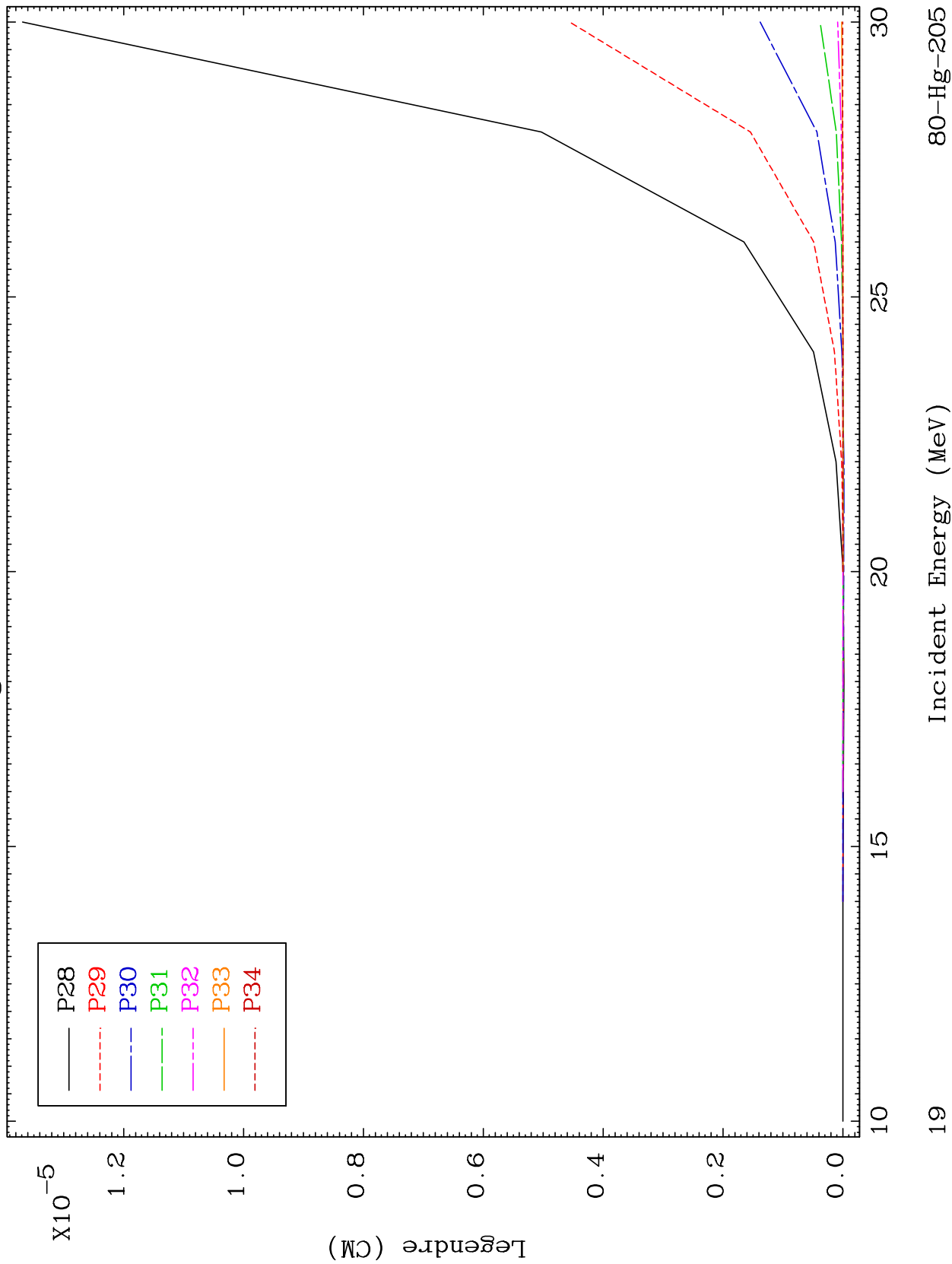
Incident Energy (MeV)

80-Hg-205

MAT 8052

Elastic Legendre Coefficients

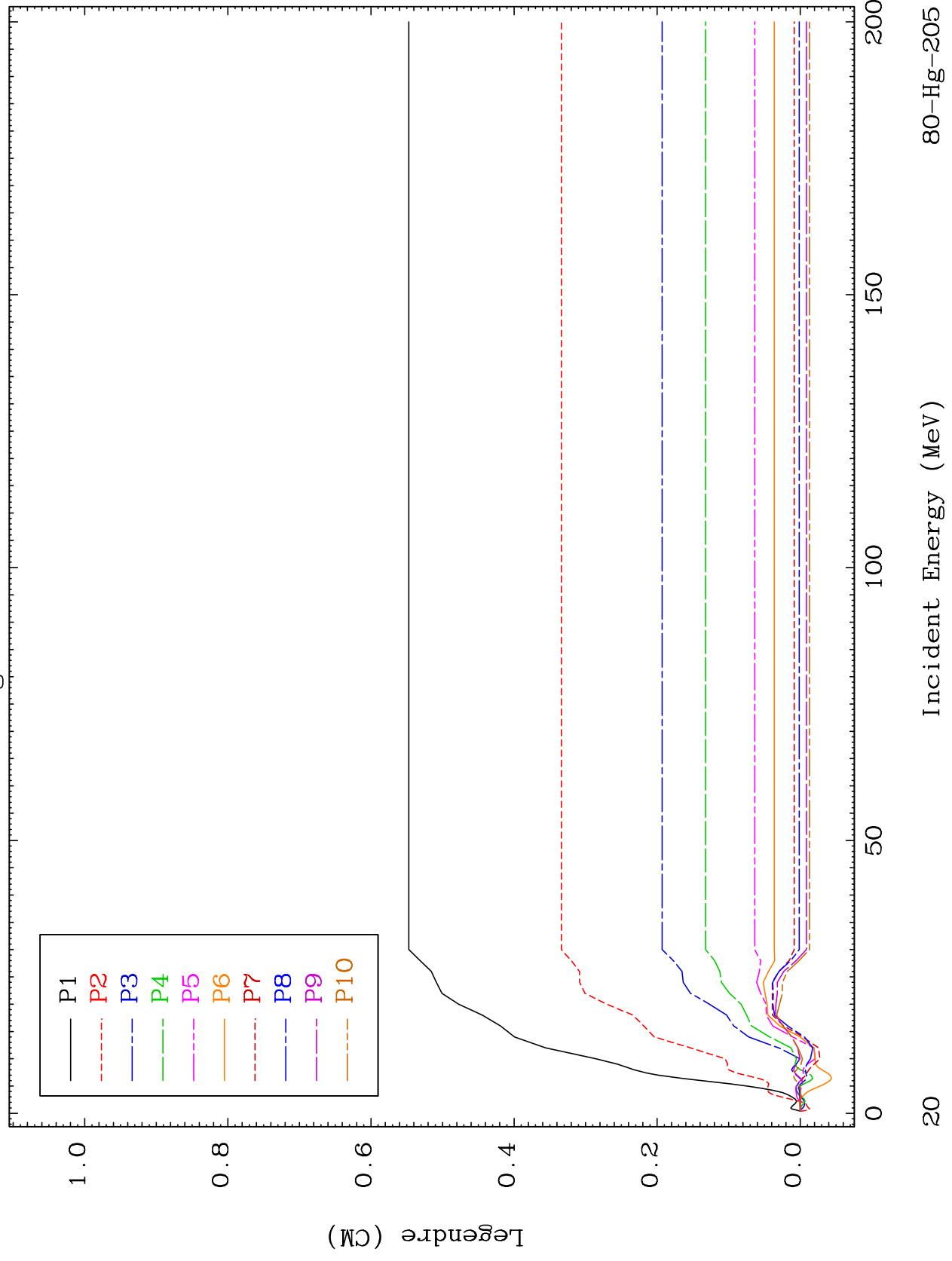
80-Hg-205



MAT 8052

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

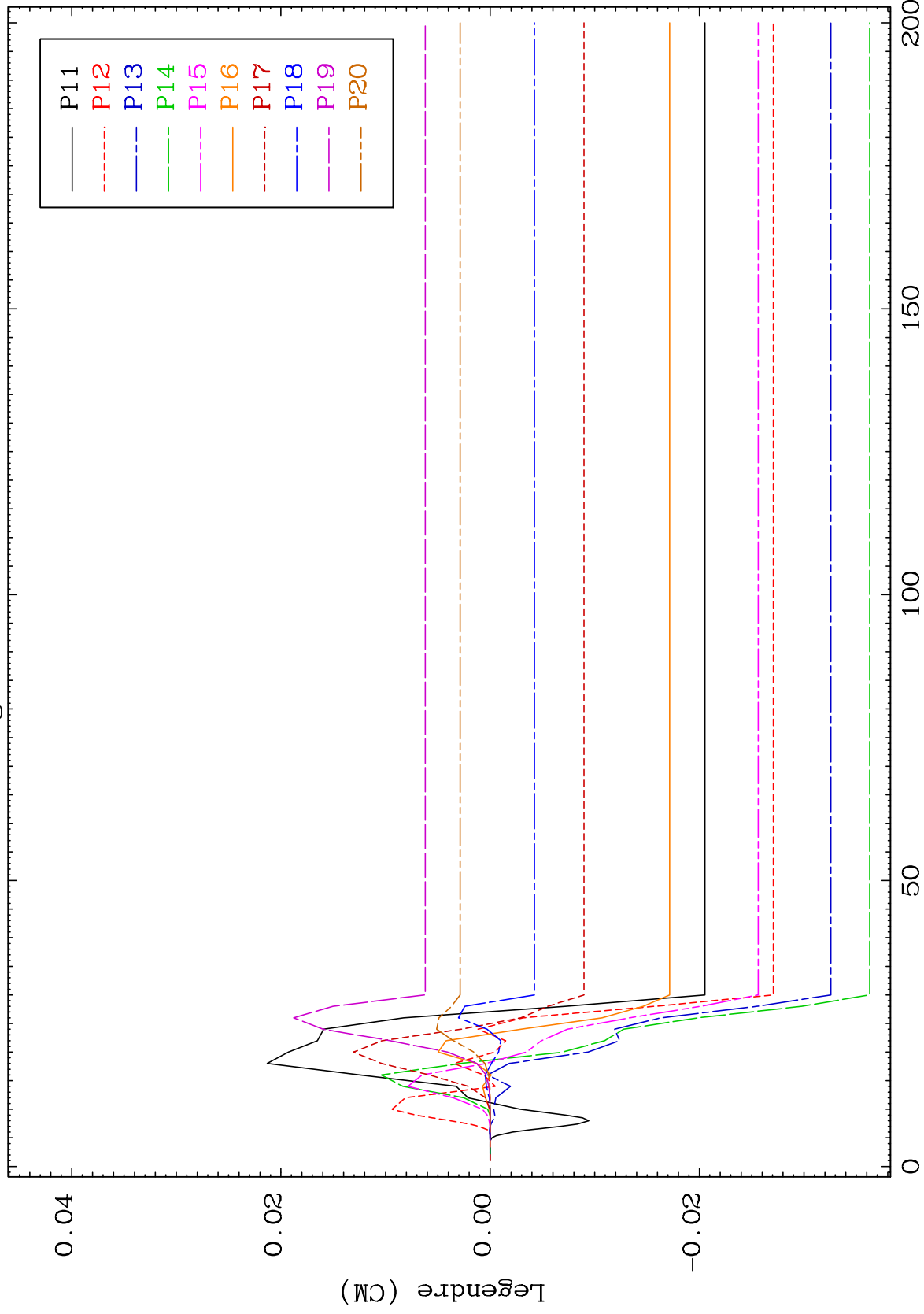
80-Hg-205



MAT 8052

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

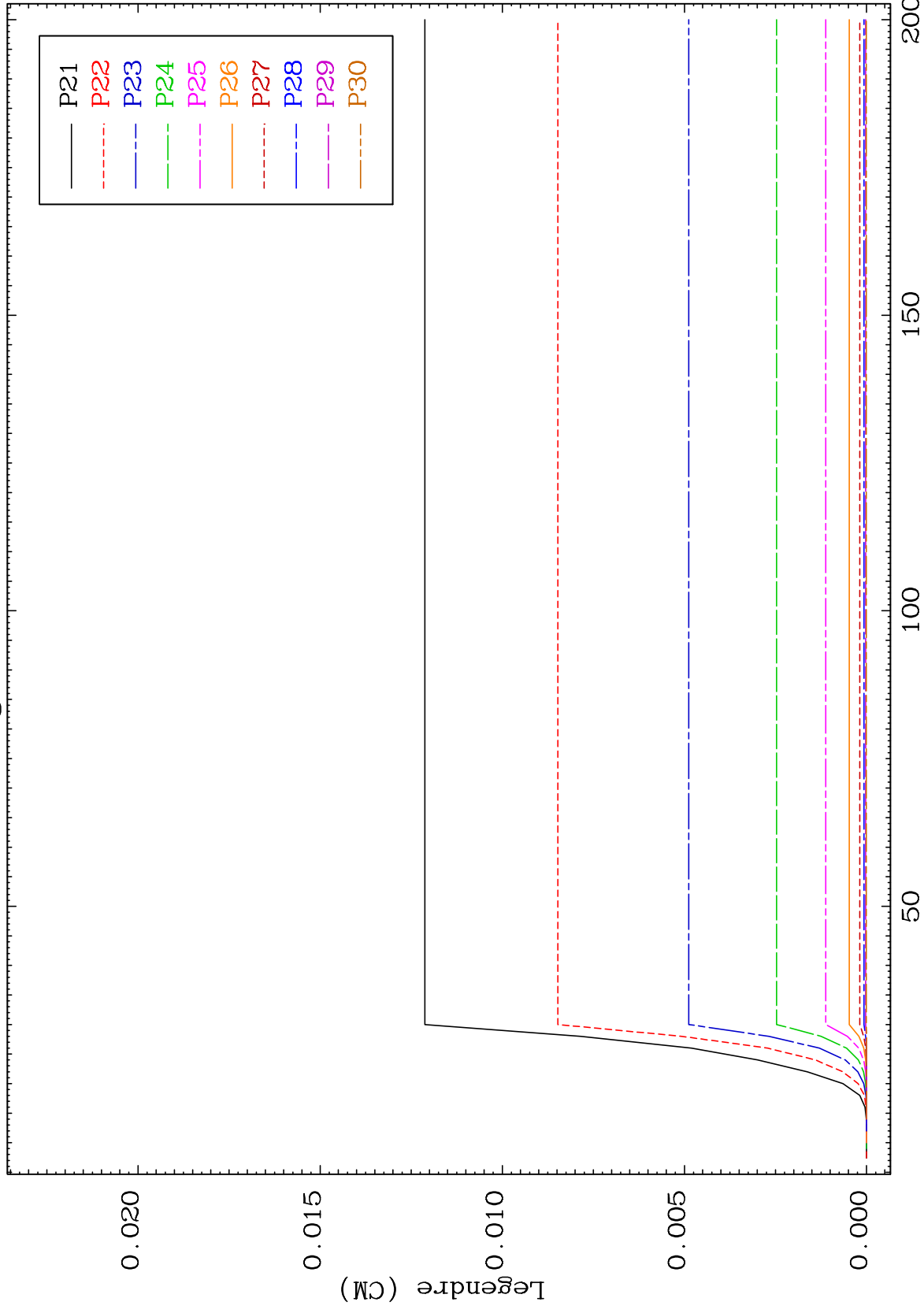
80-Hg-205



MAT 8052

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

80-Hg-205



22

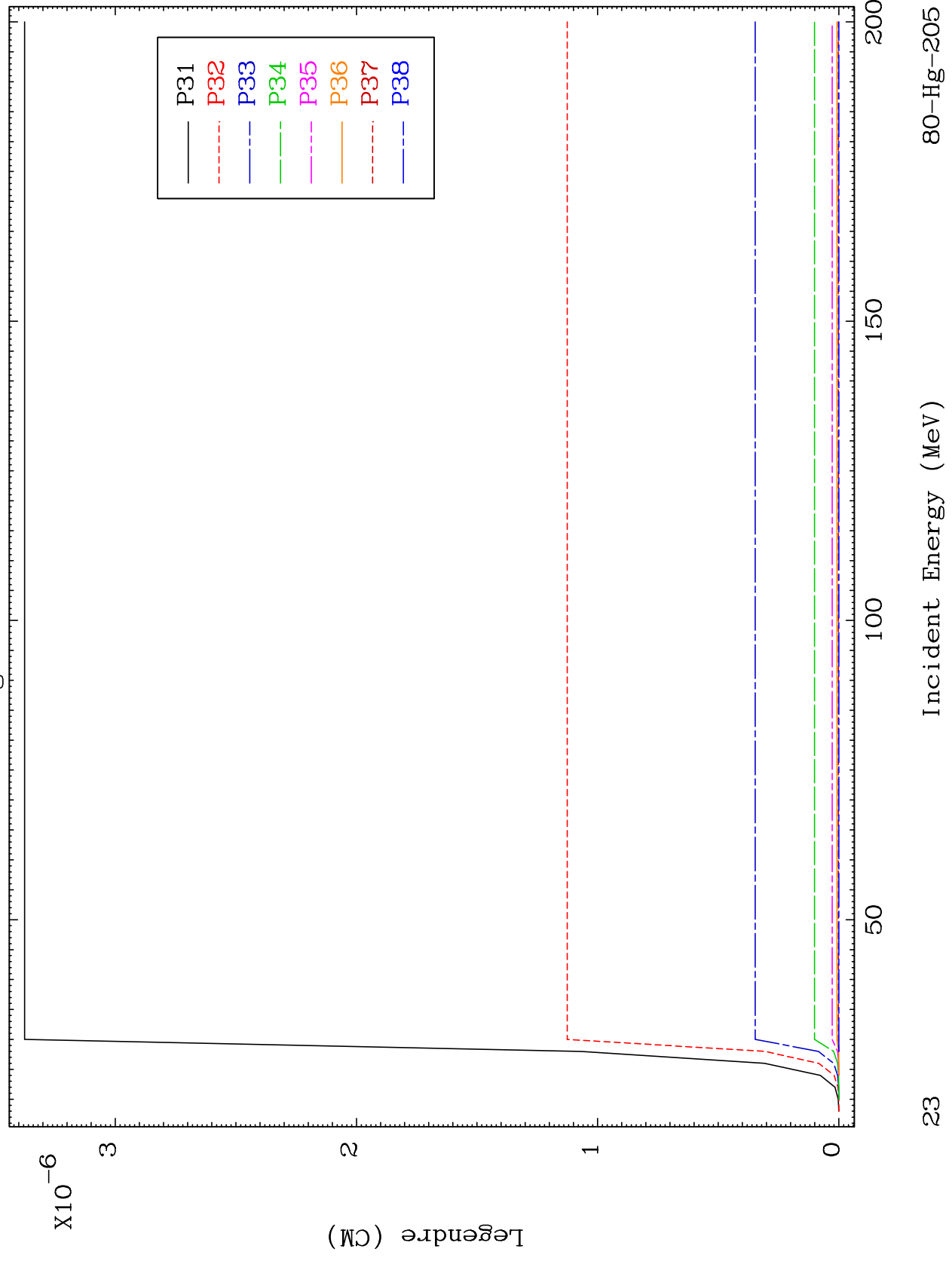
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205

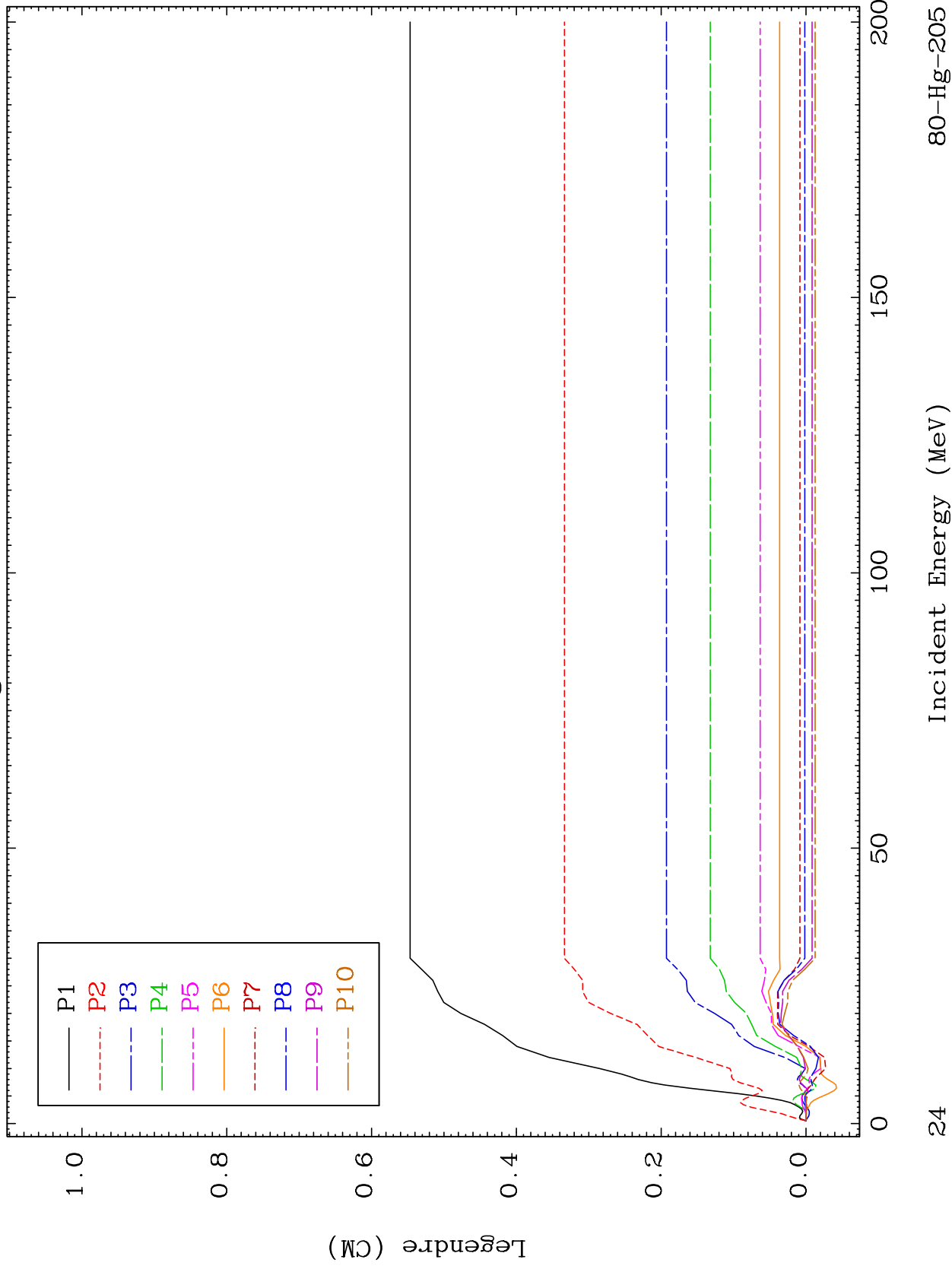


23

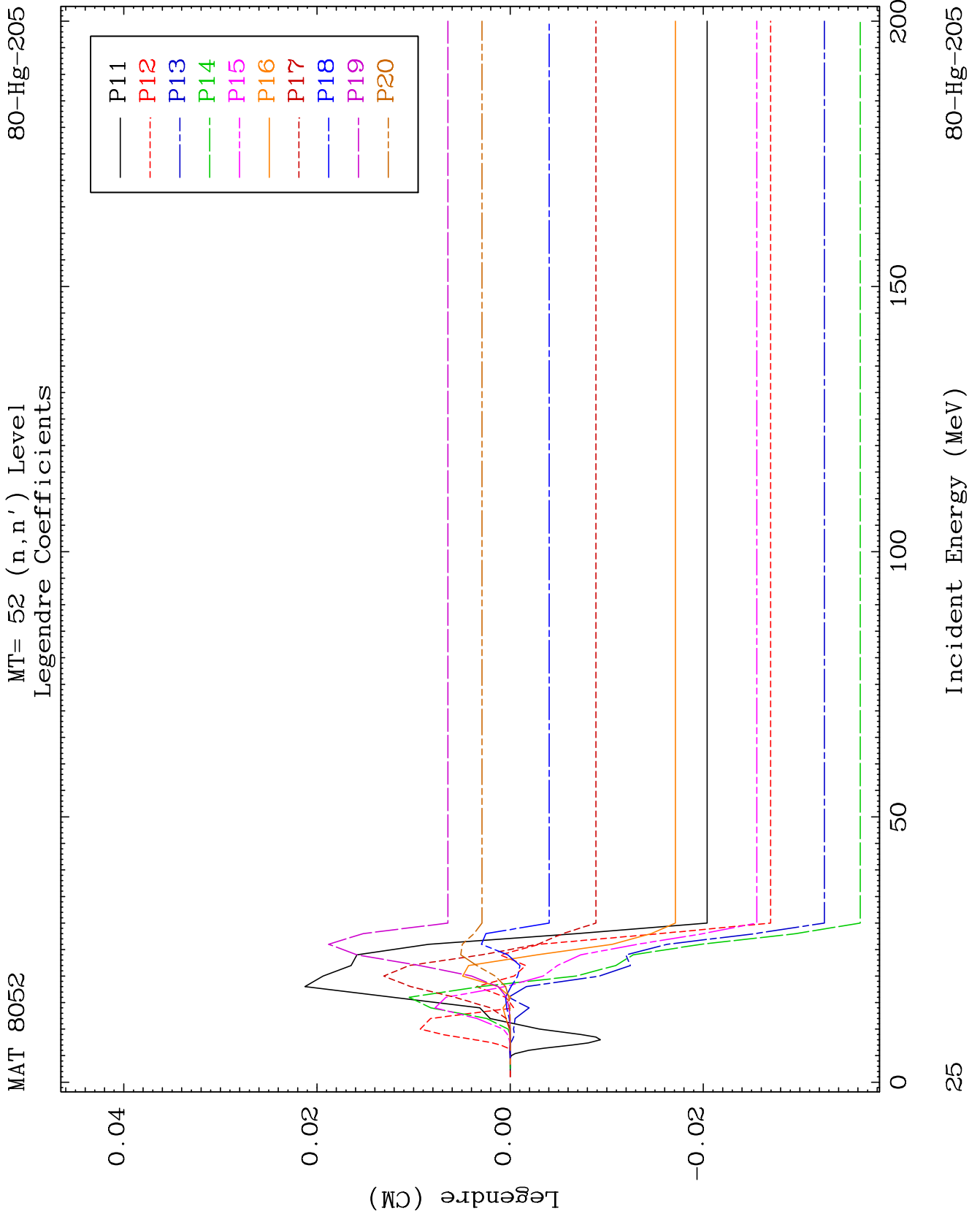
MAT 8052

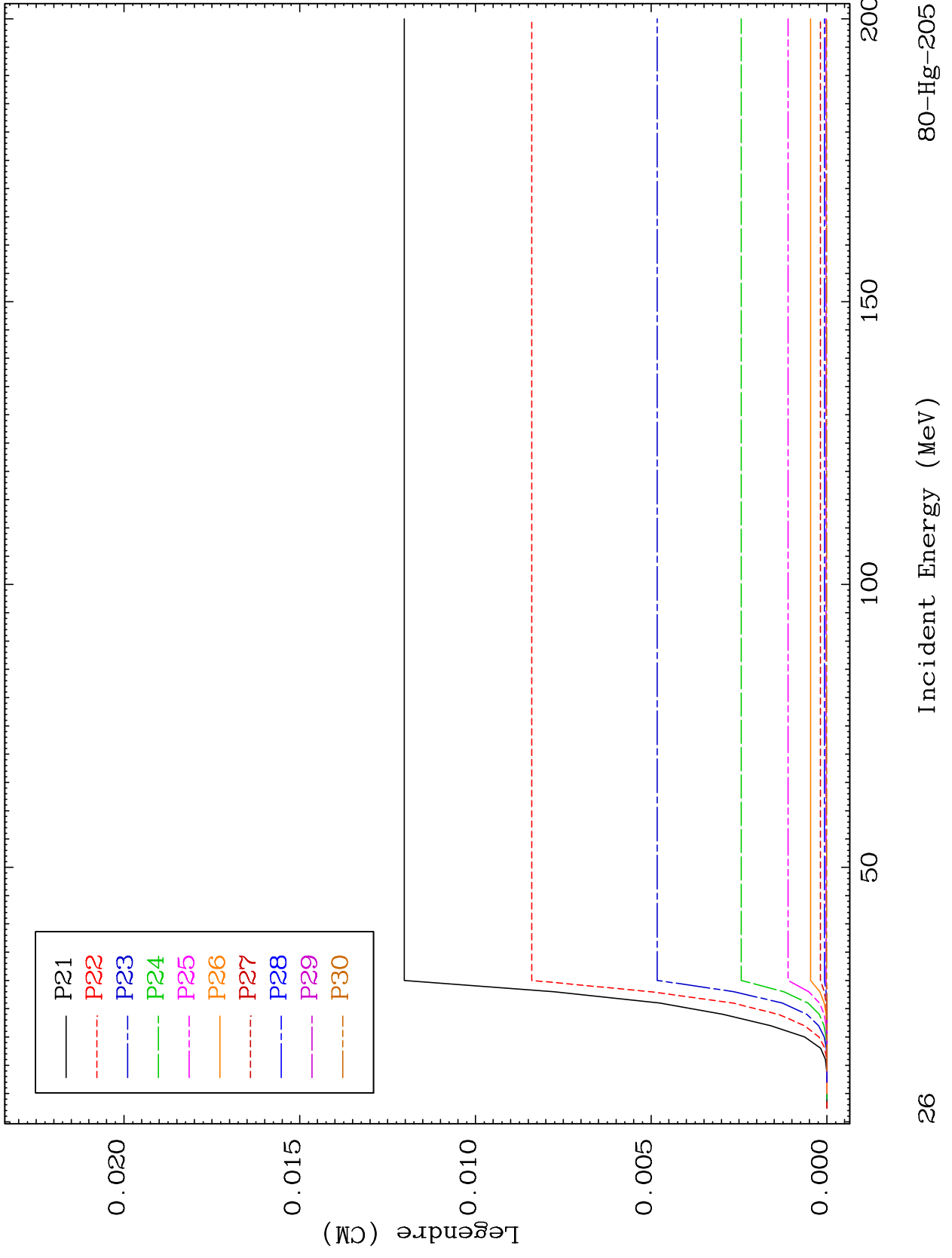
MT= 52 (n,n') Level
Legendre Coefficients

80-Hg-205



24

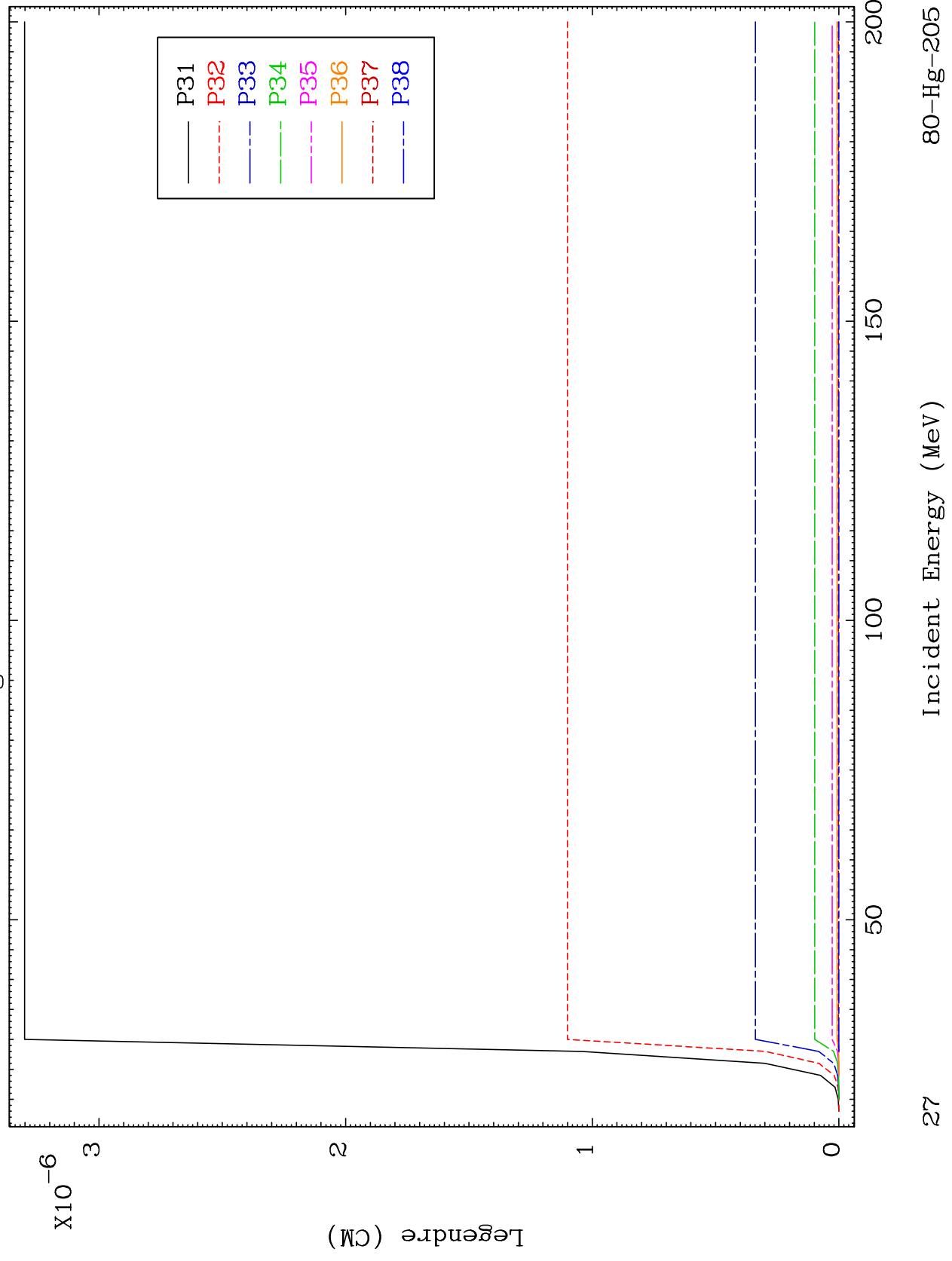


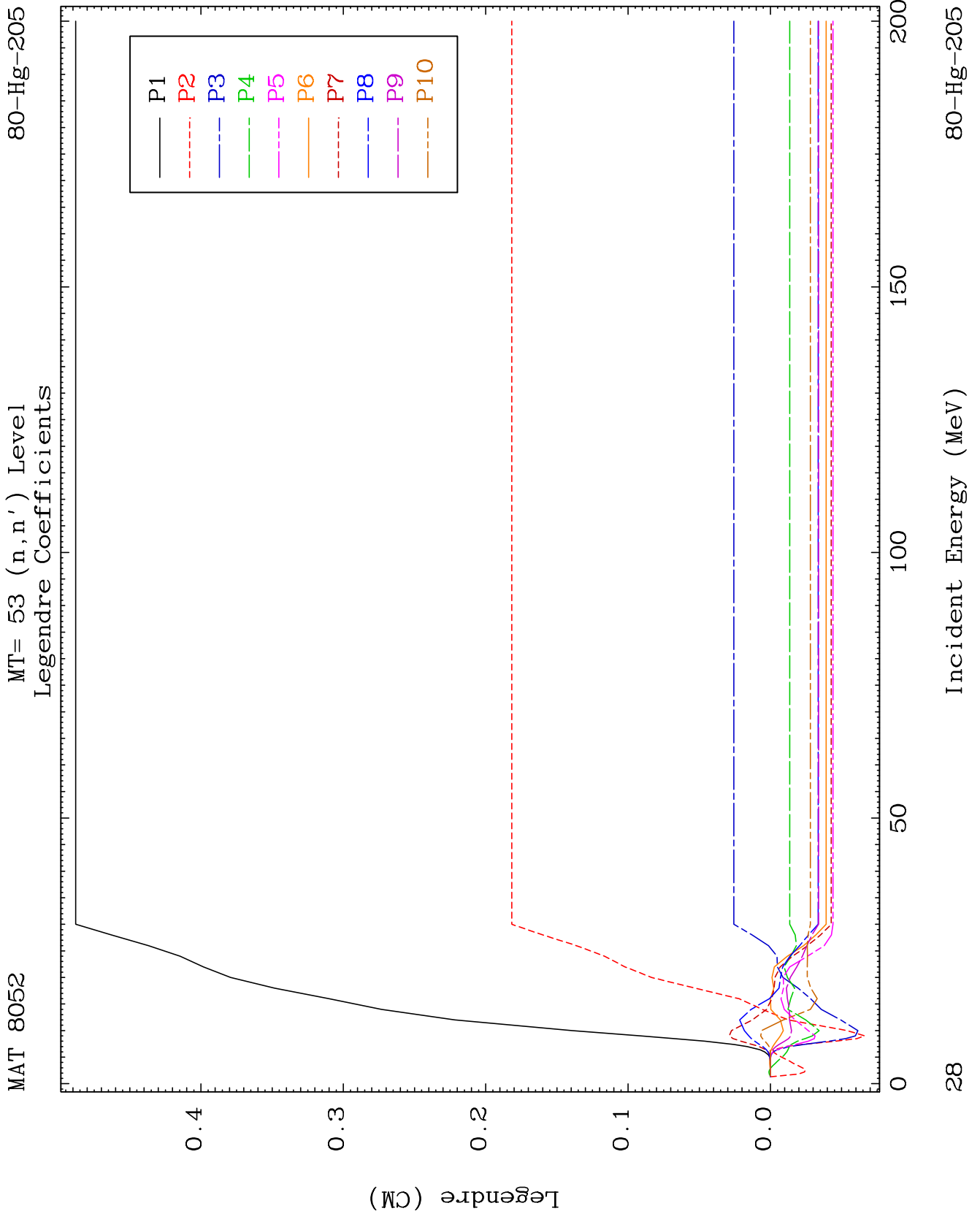


MAT 8052

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

80-Hg-205

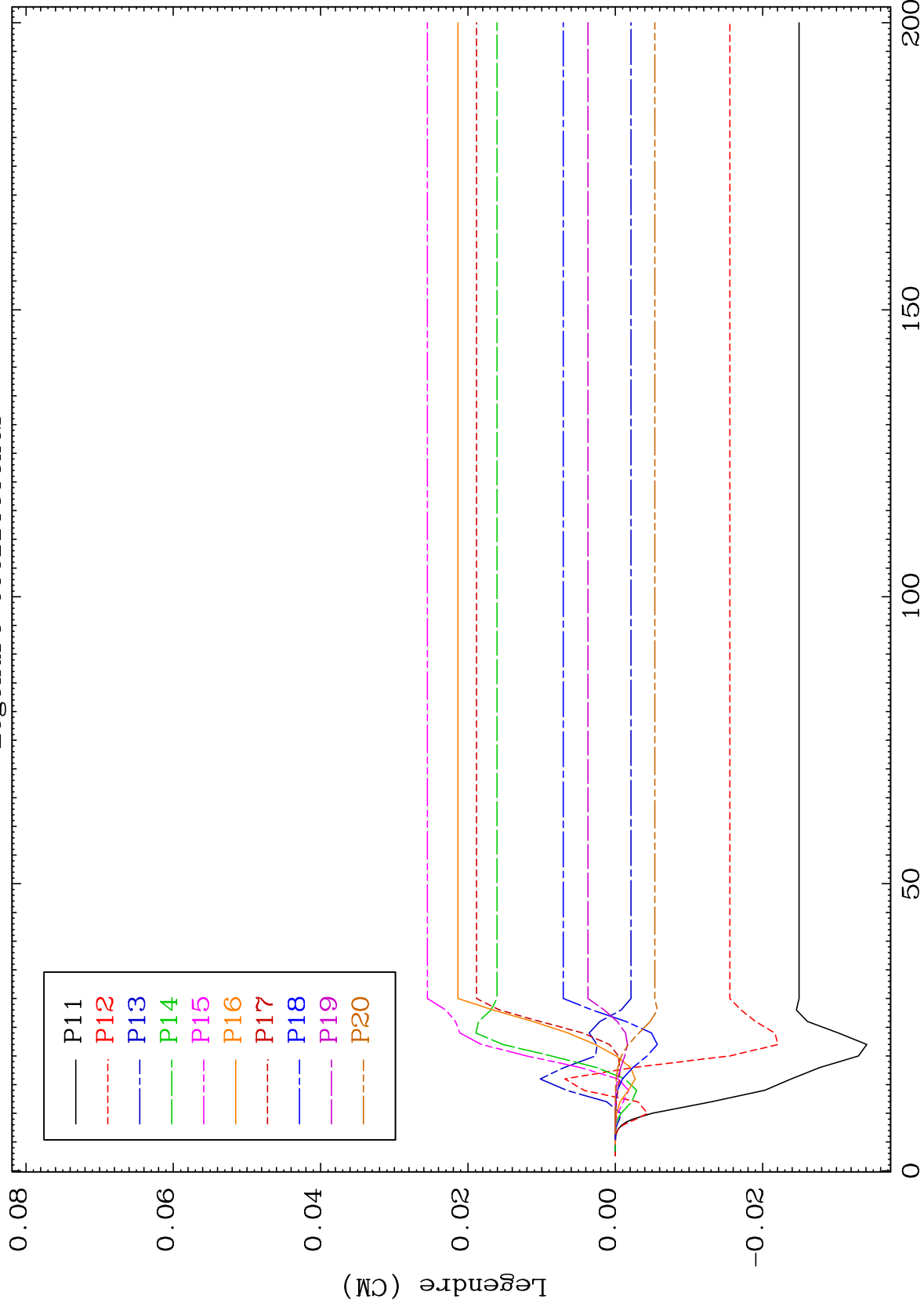




MAT 8052

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

80-Hg-205



29

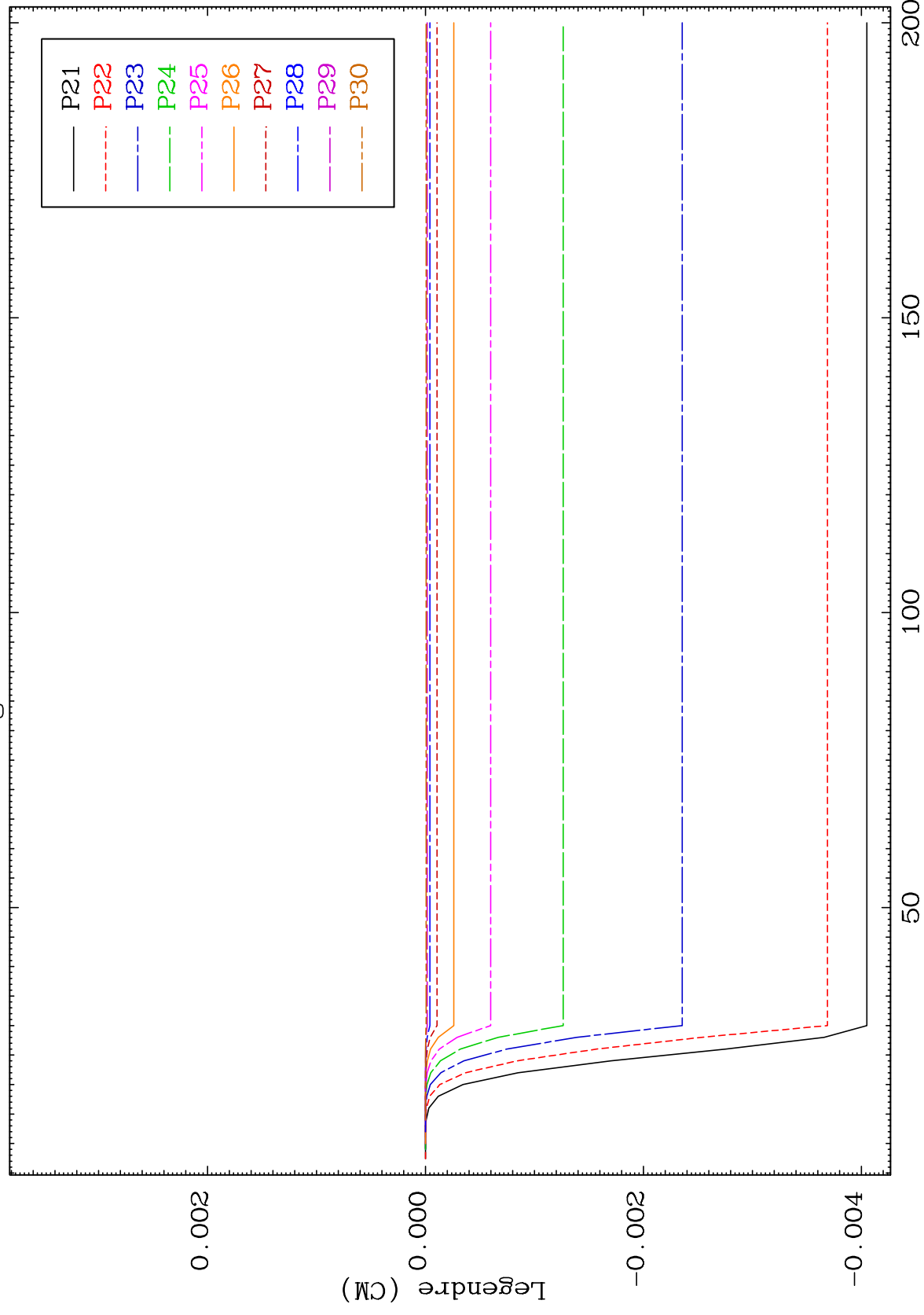
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

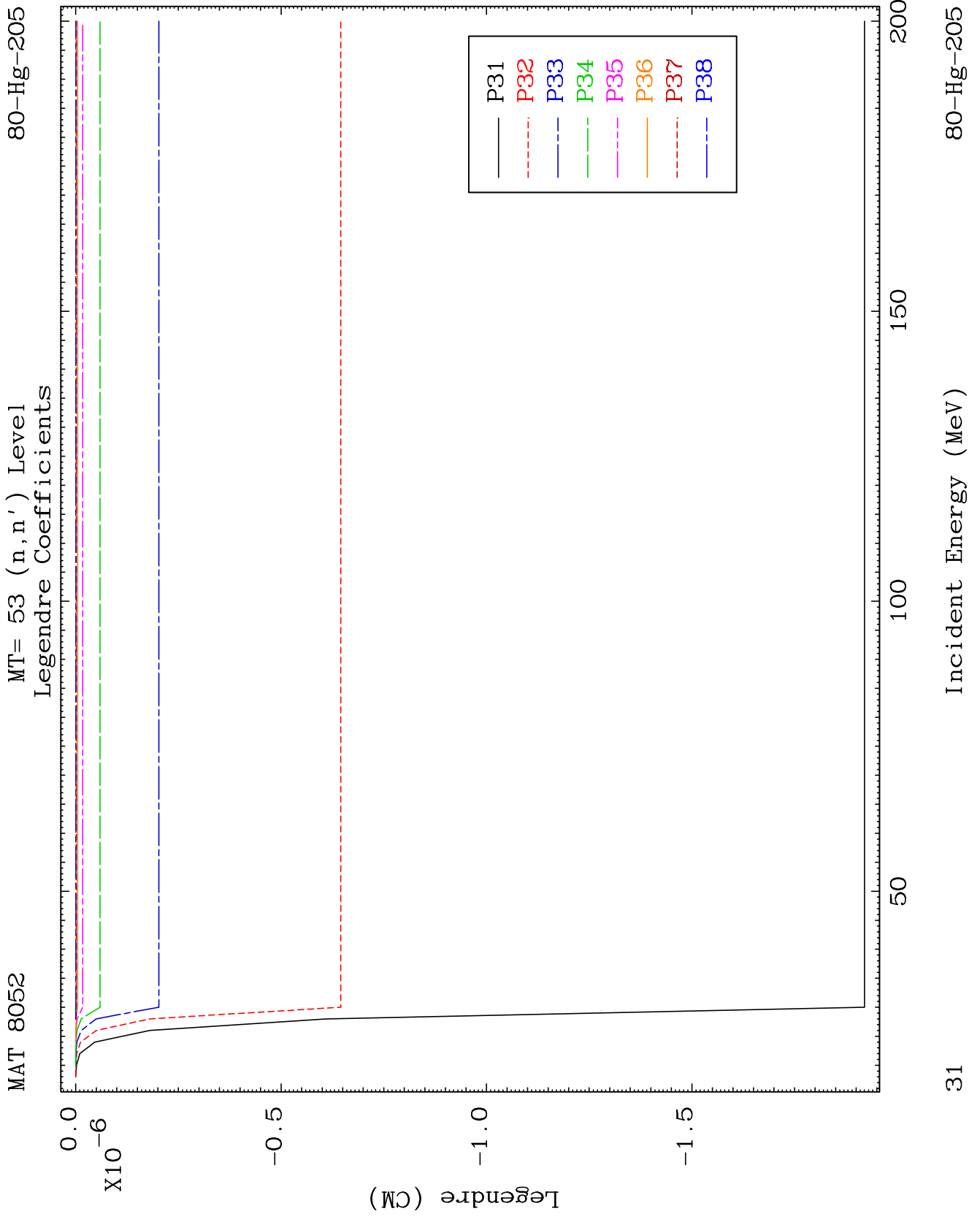
80-Hg-205

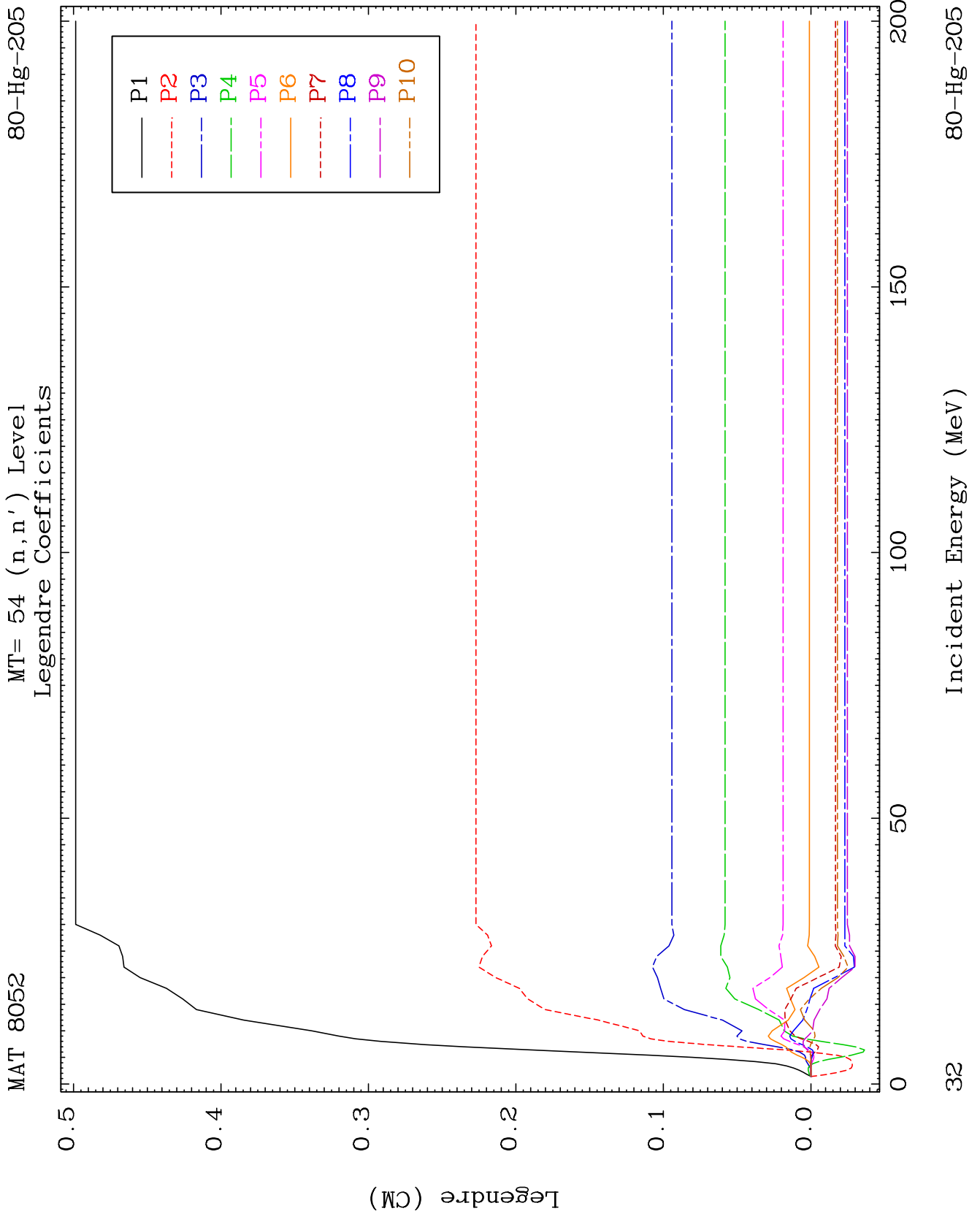


30

Incident Energy (MeV)

80-Hg-205

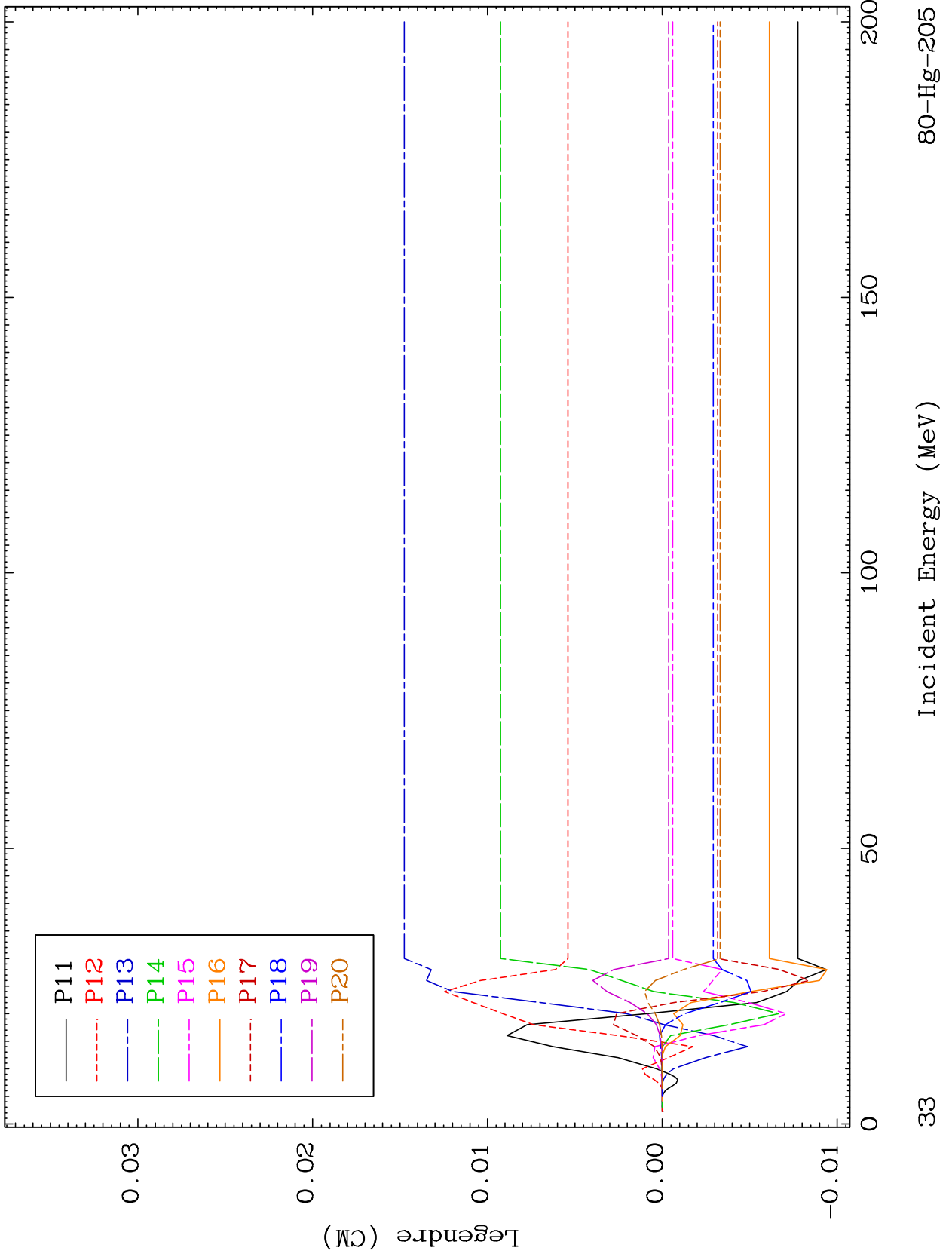




MAT 8052

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

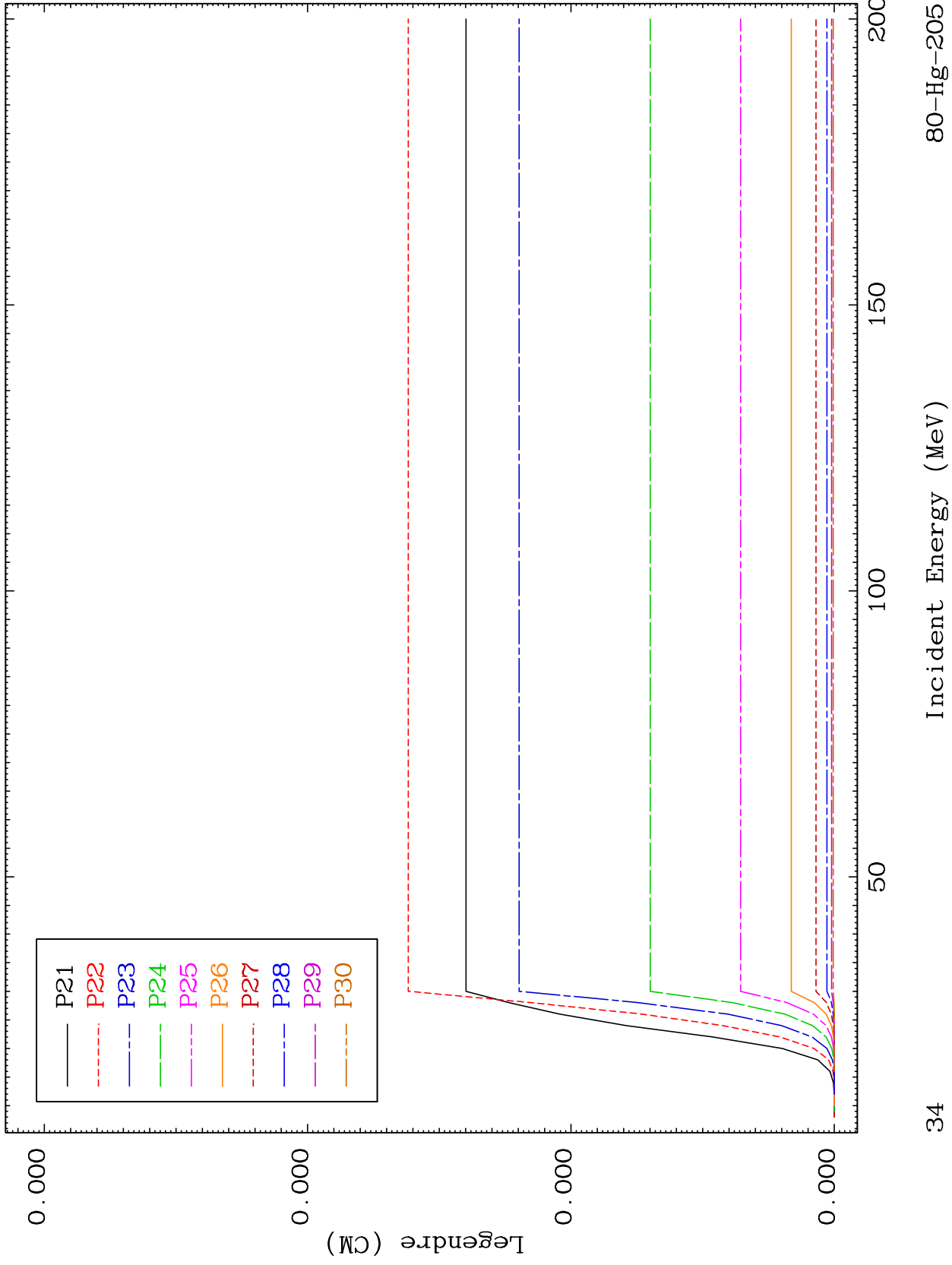
80-Hg-205



MAT 8052

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

80-Hg-205

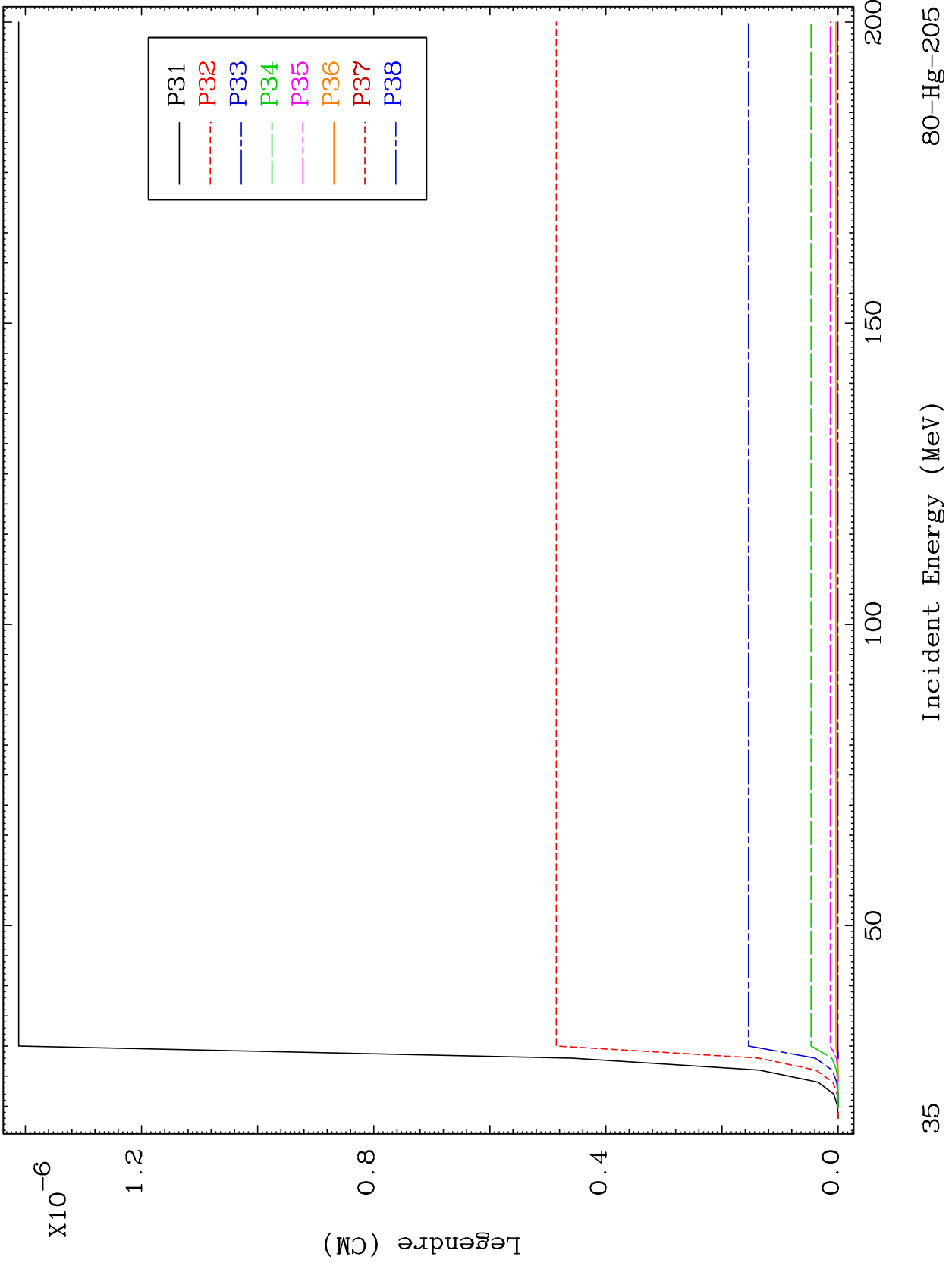


34

MAT 8052

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

80-Hg-205



35

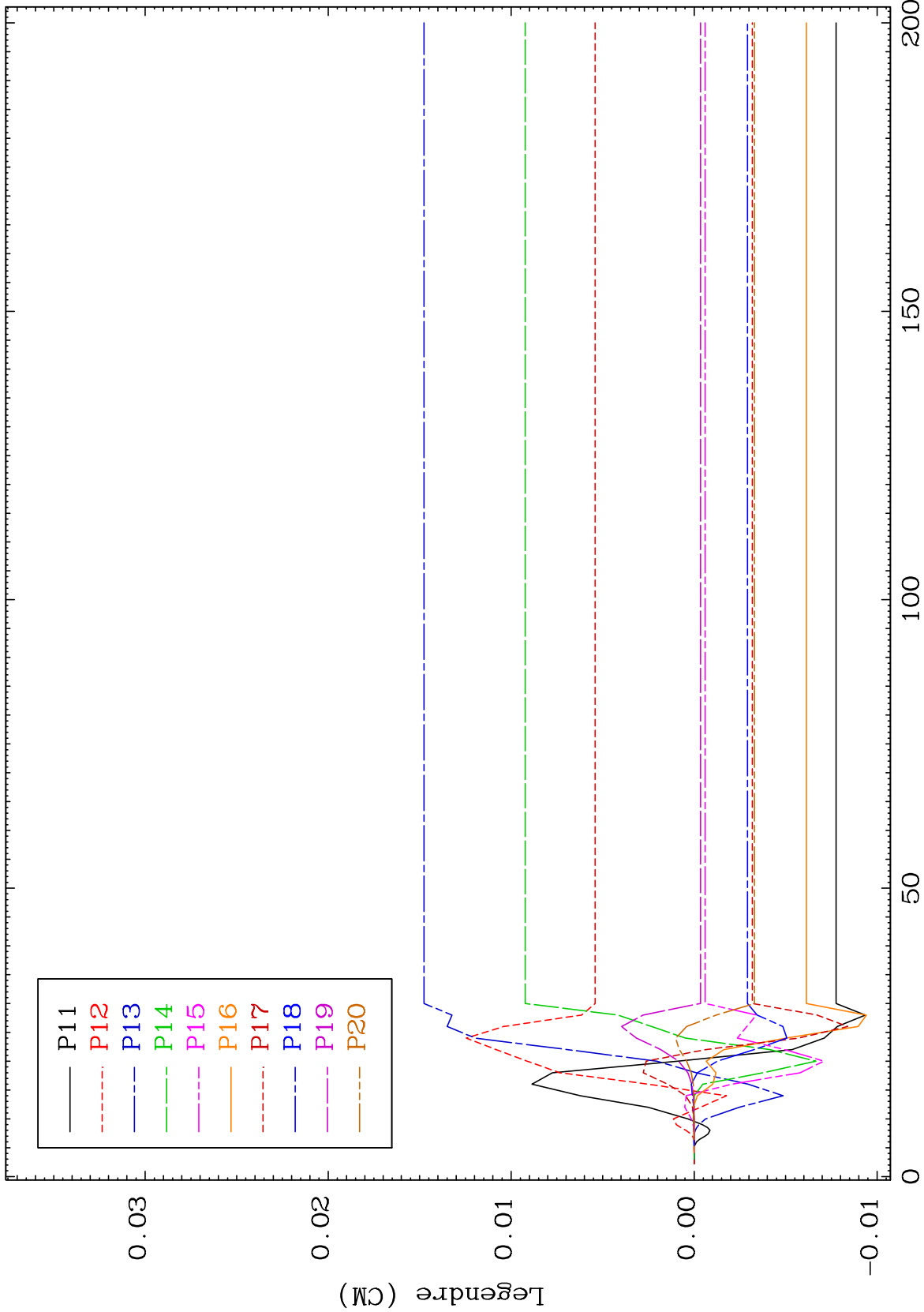
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



37

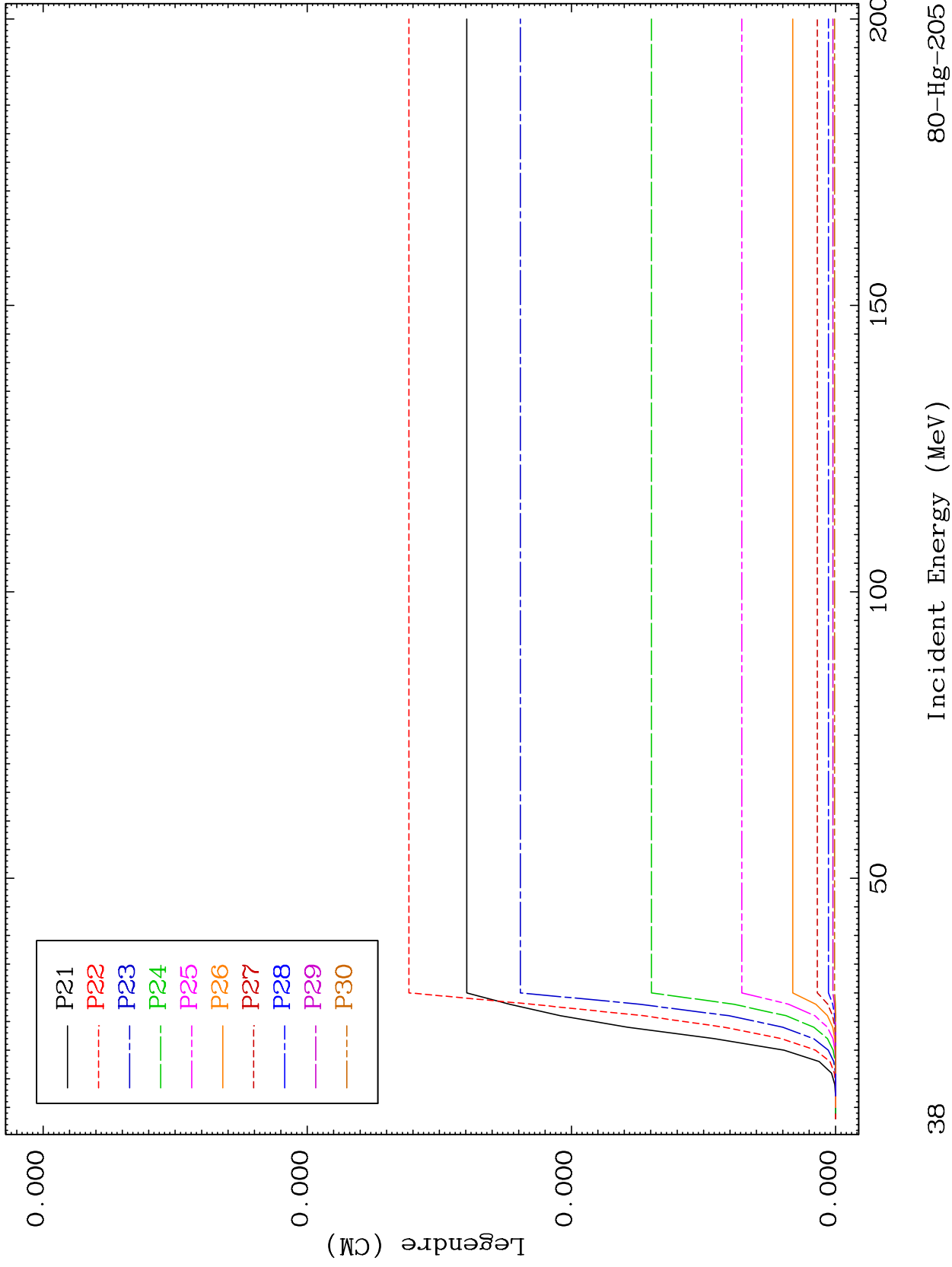
Incident Energy (MeV)

80-Hg-205

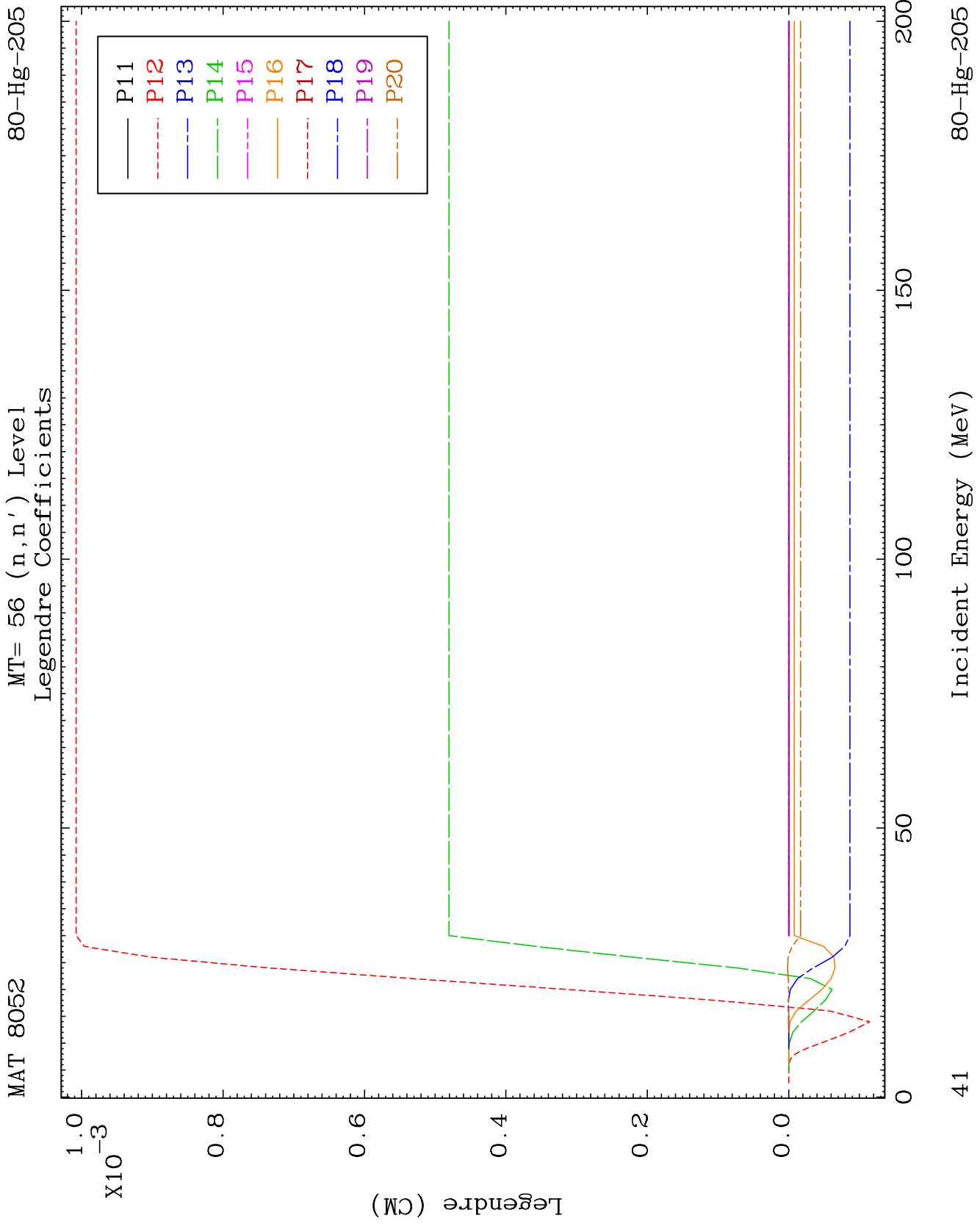
MAT 8052

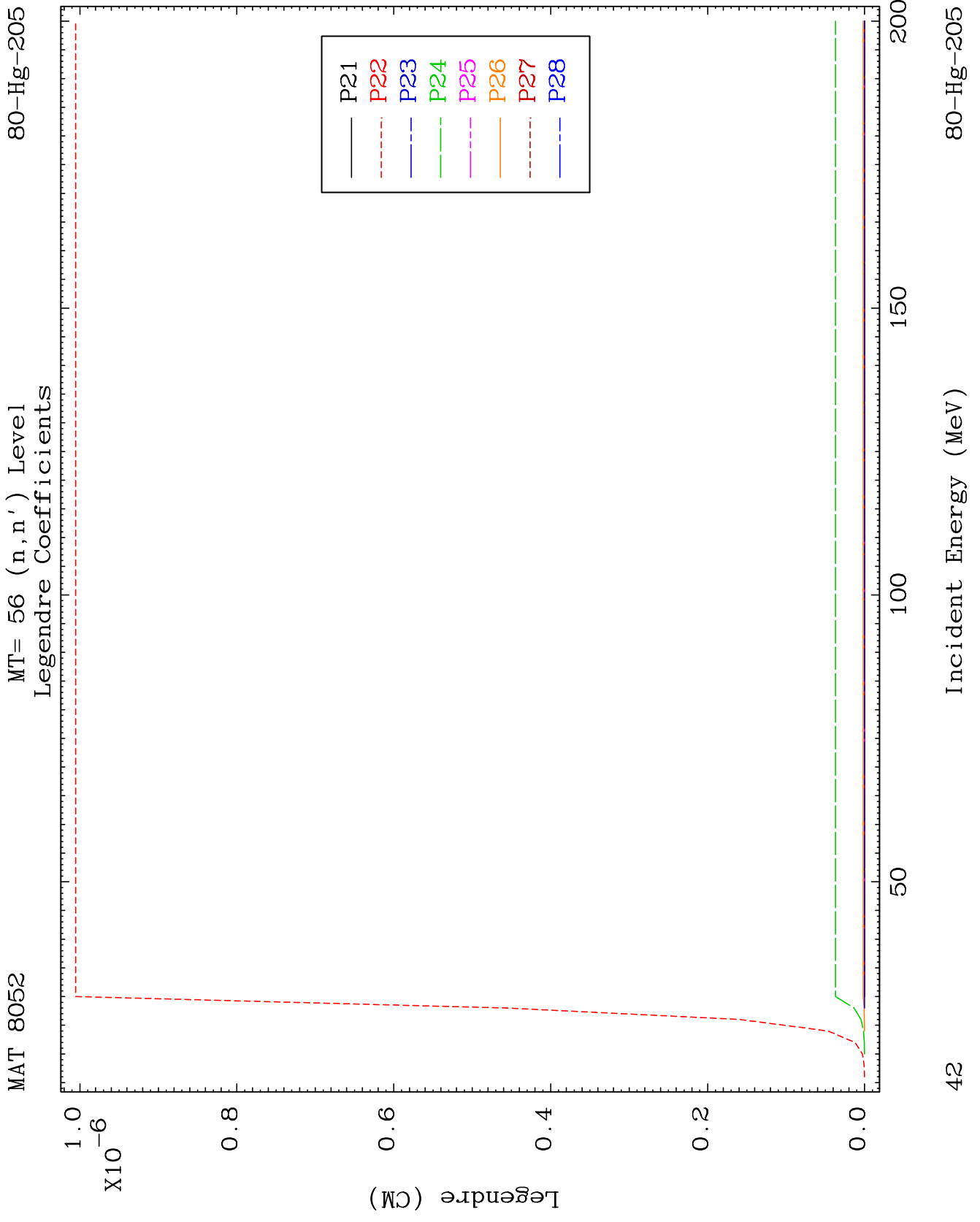
MT= 55 (n,n') Level
Legendre Coefficients

80-Hg-205



38

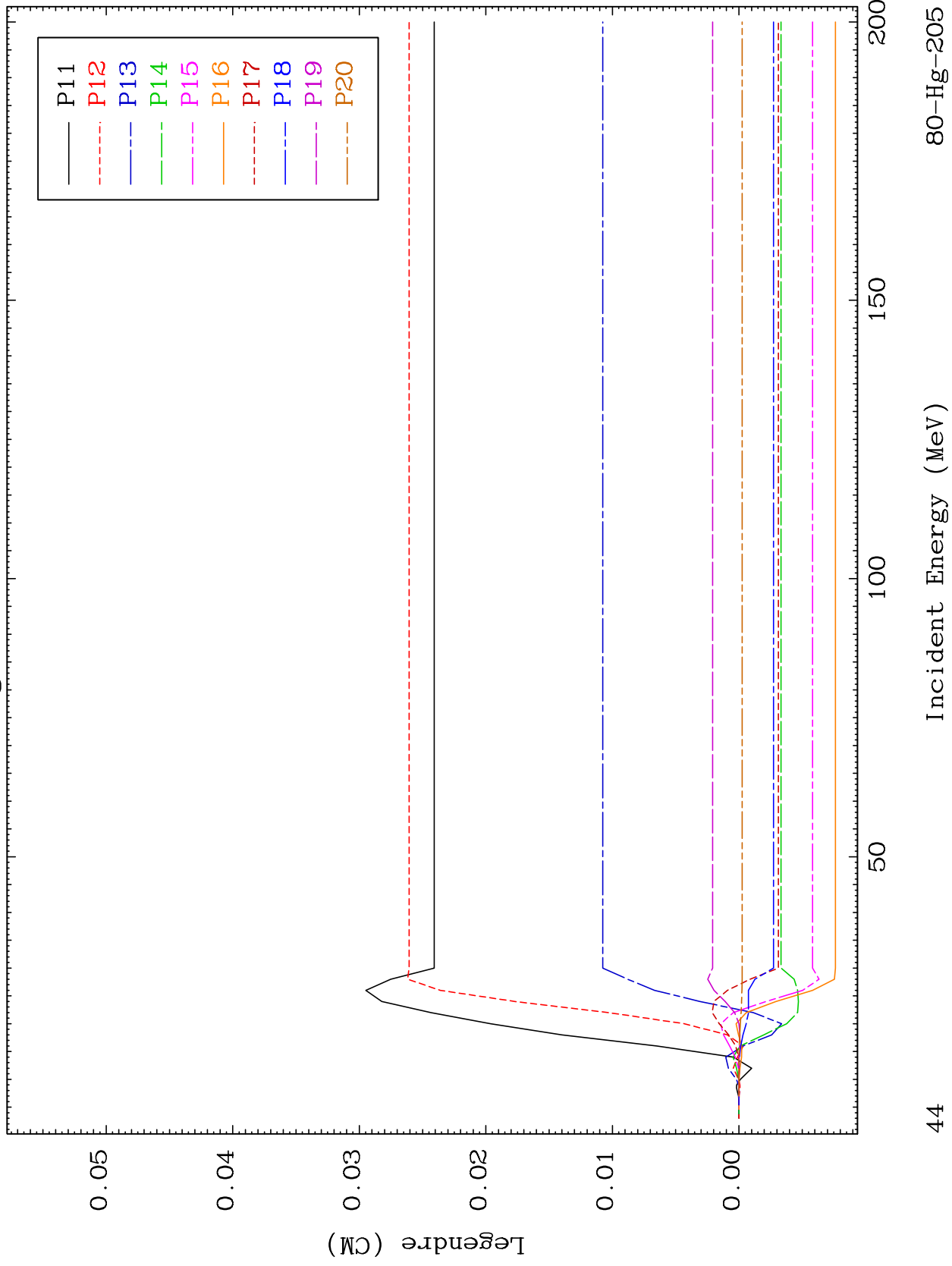




MAT 8052

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

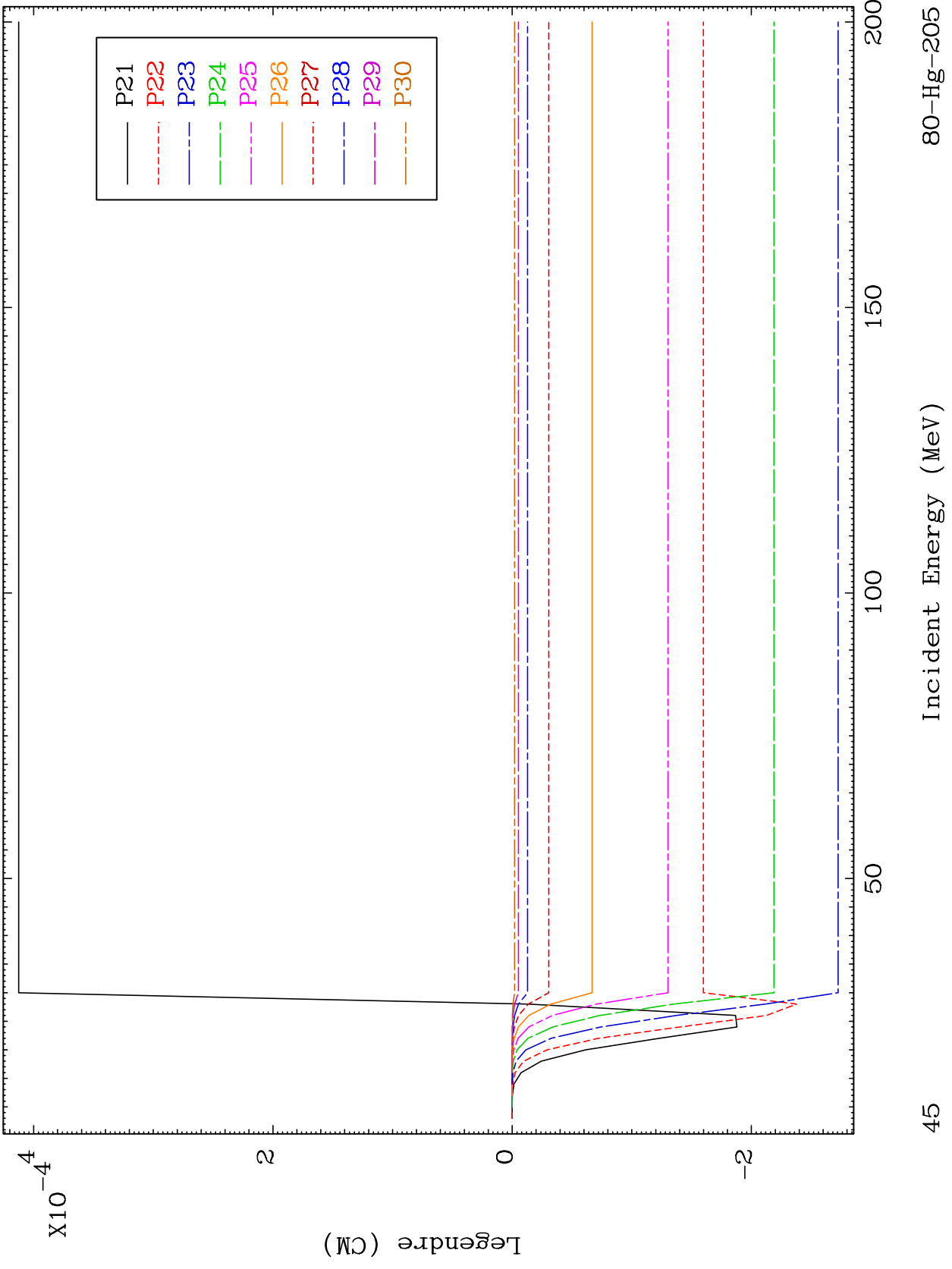
80-Hg-205



MAT 8052

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

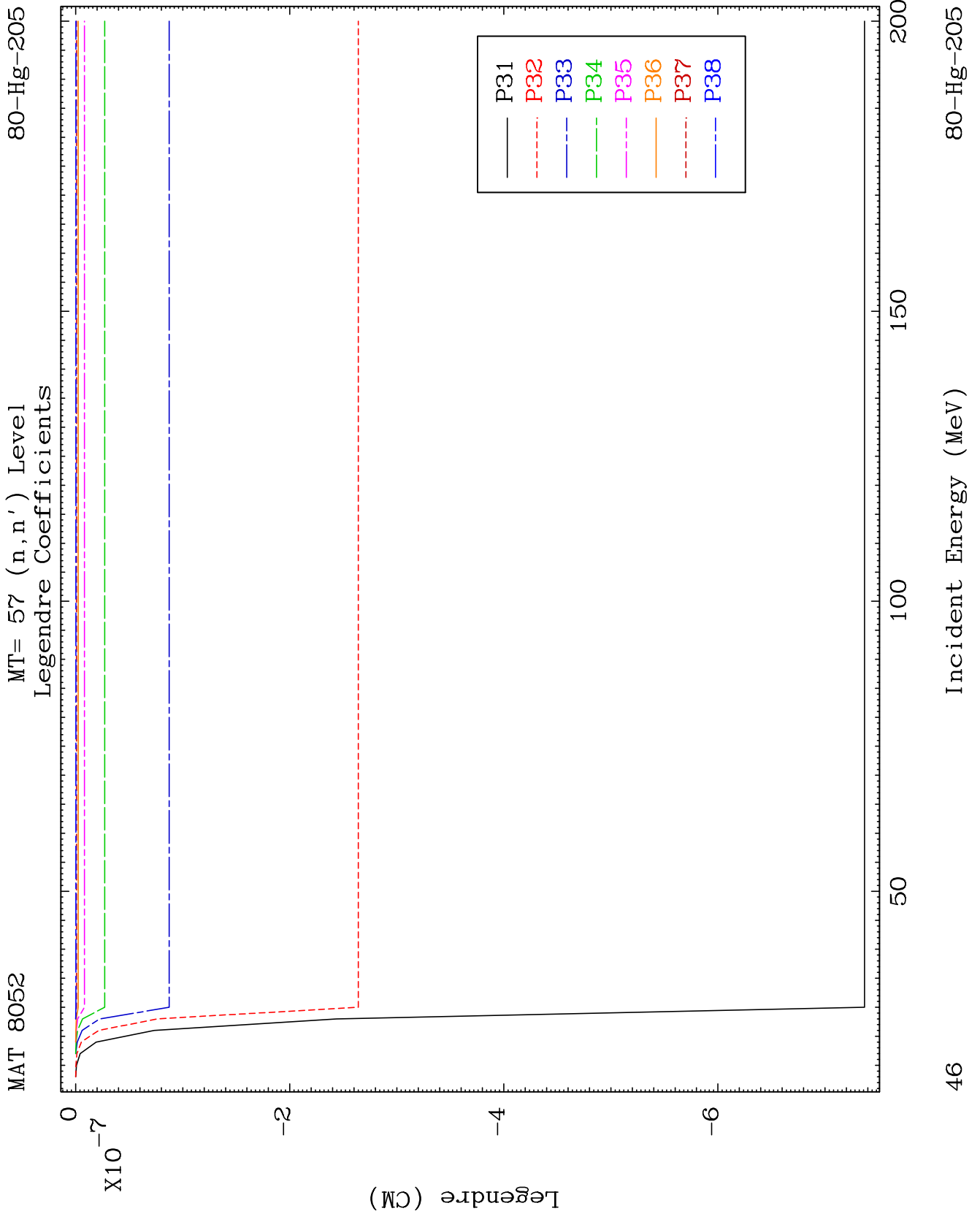
80-Hg-205



45

Incident Energy (MeV)

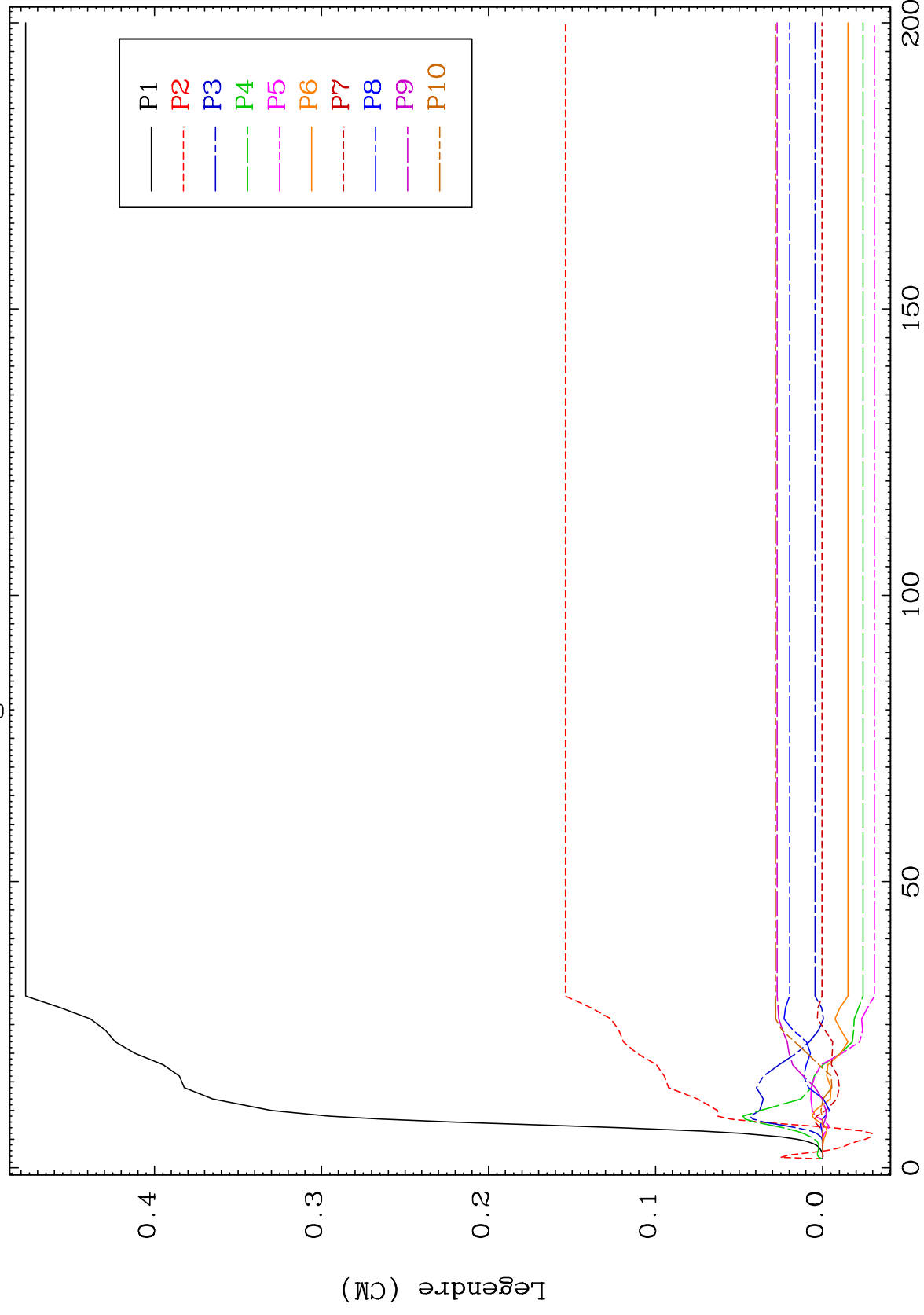
80-Hg-205



MAT 8052

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

80-Hg-205



47

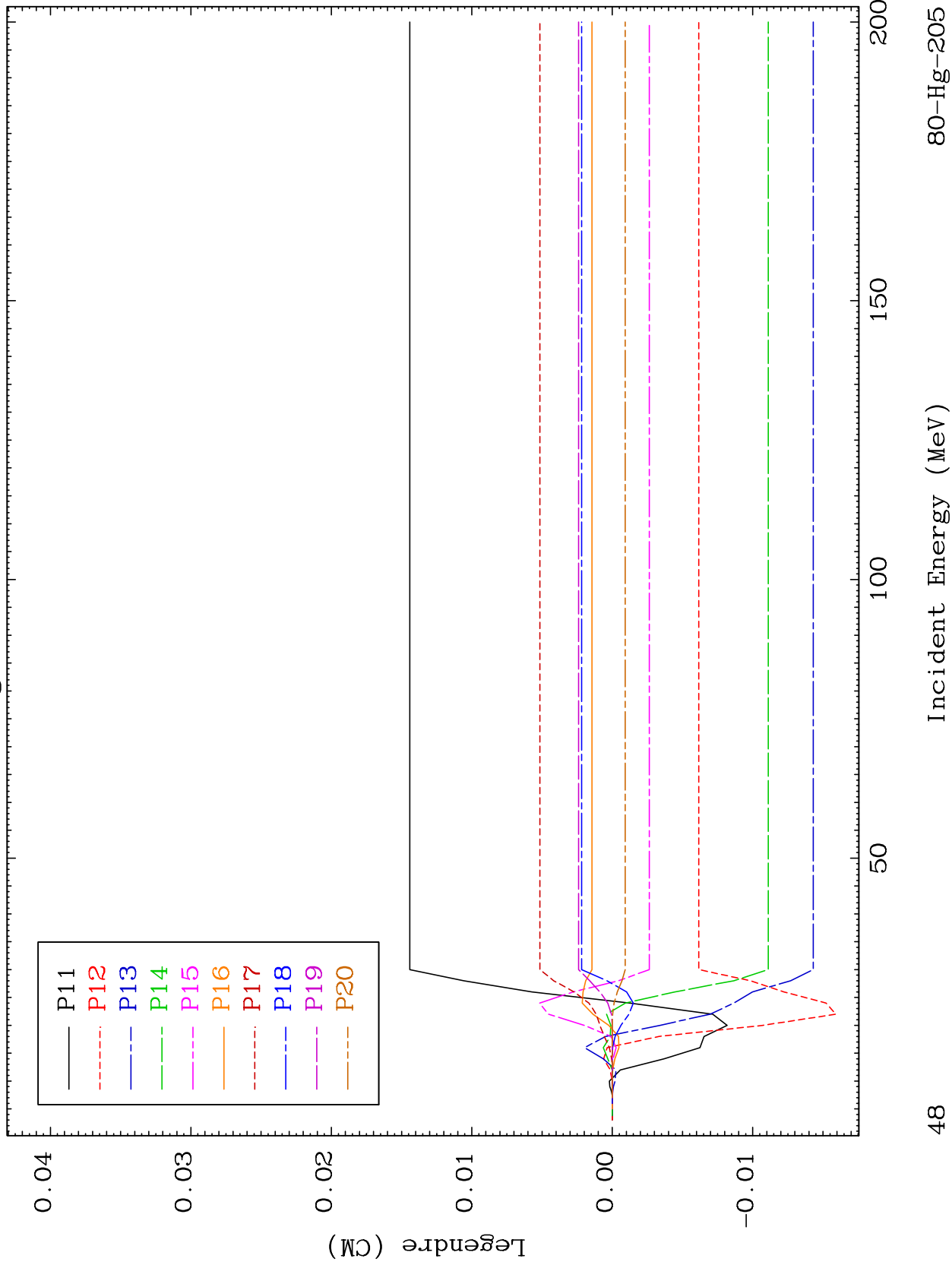
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



48

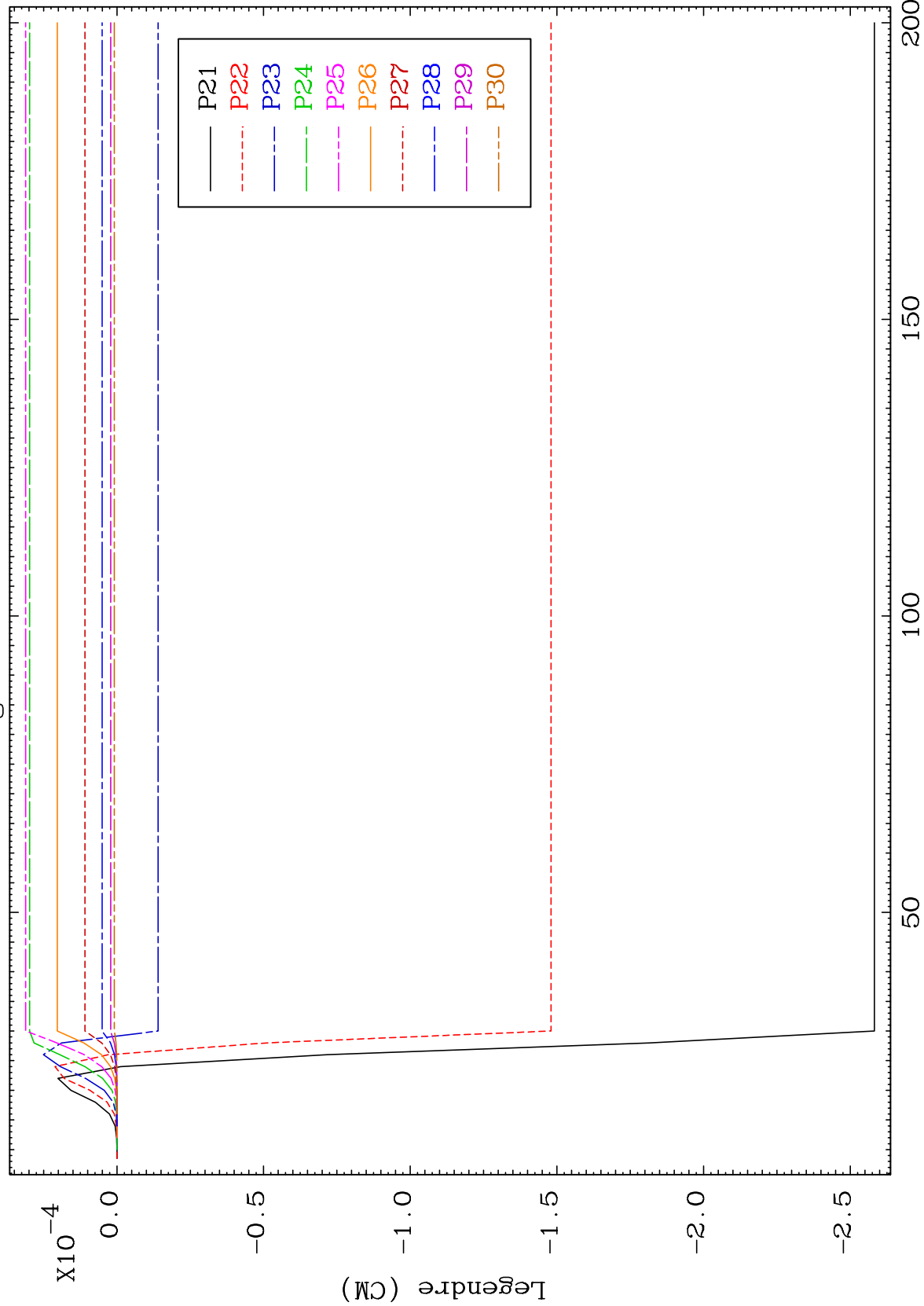
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



49

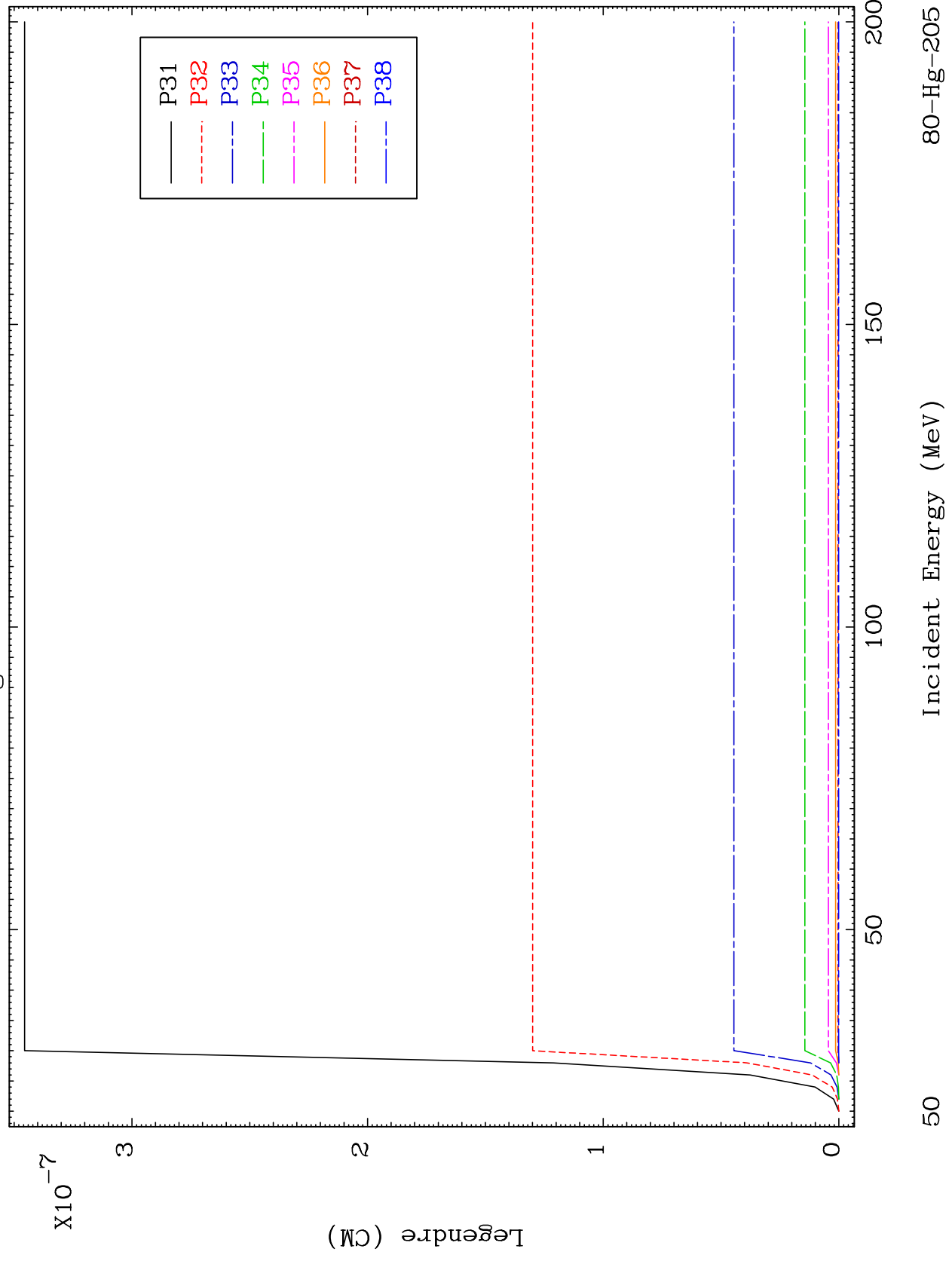
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

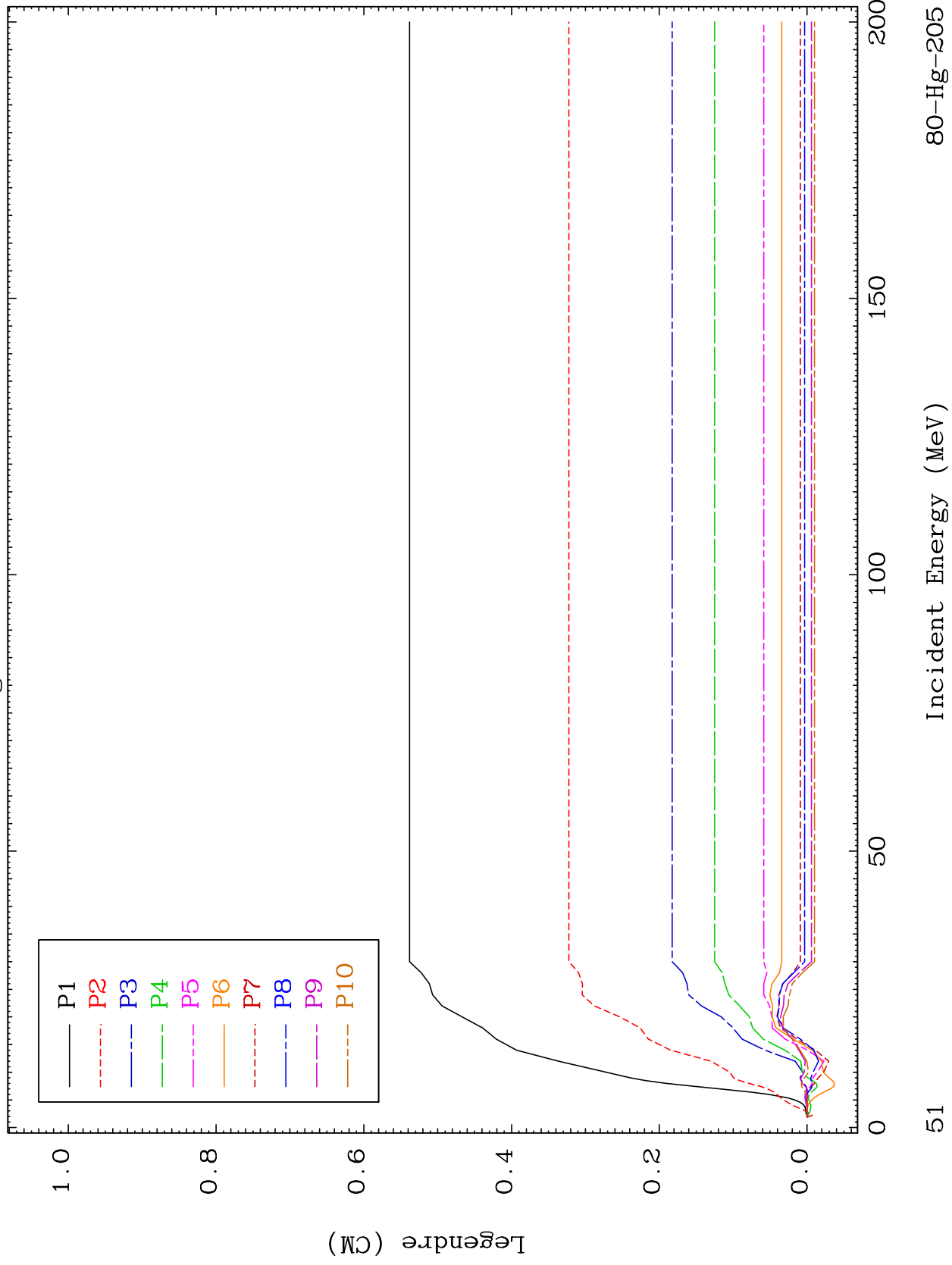
80-Hg-205



MAT 8052

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

80-Hg-205



51

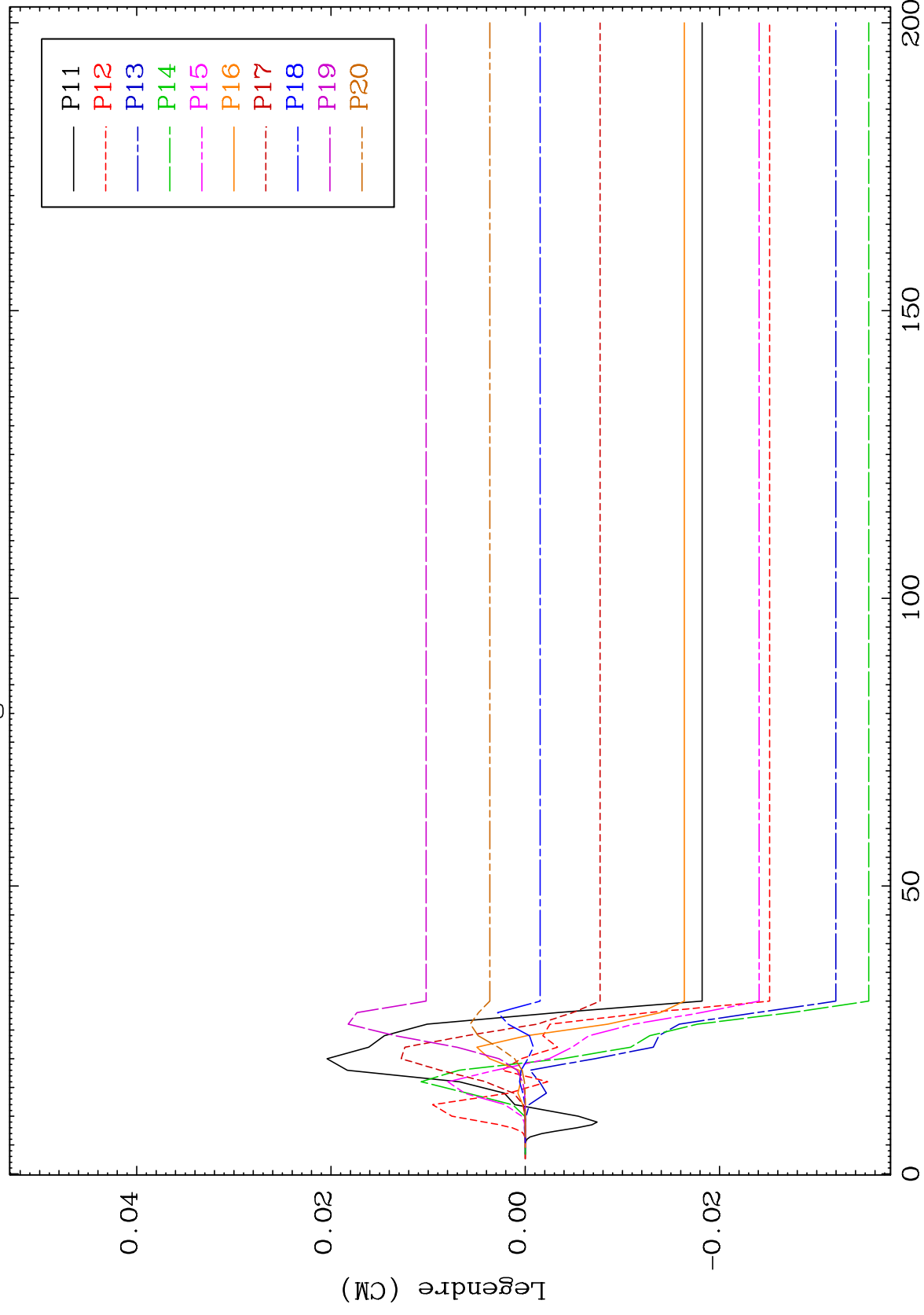
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

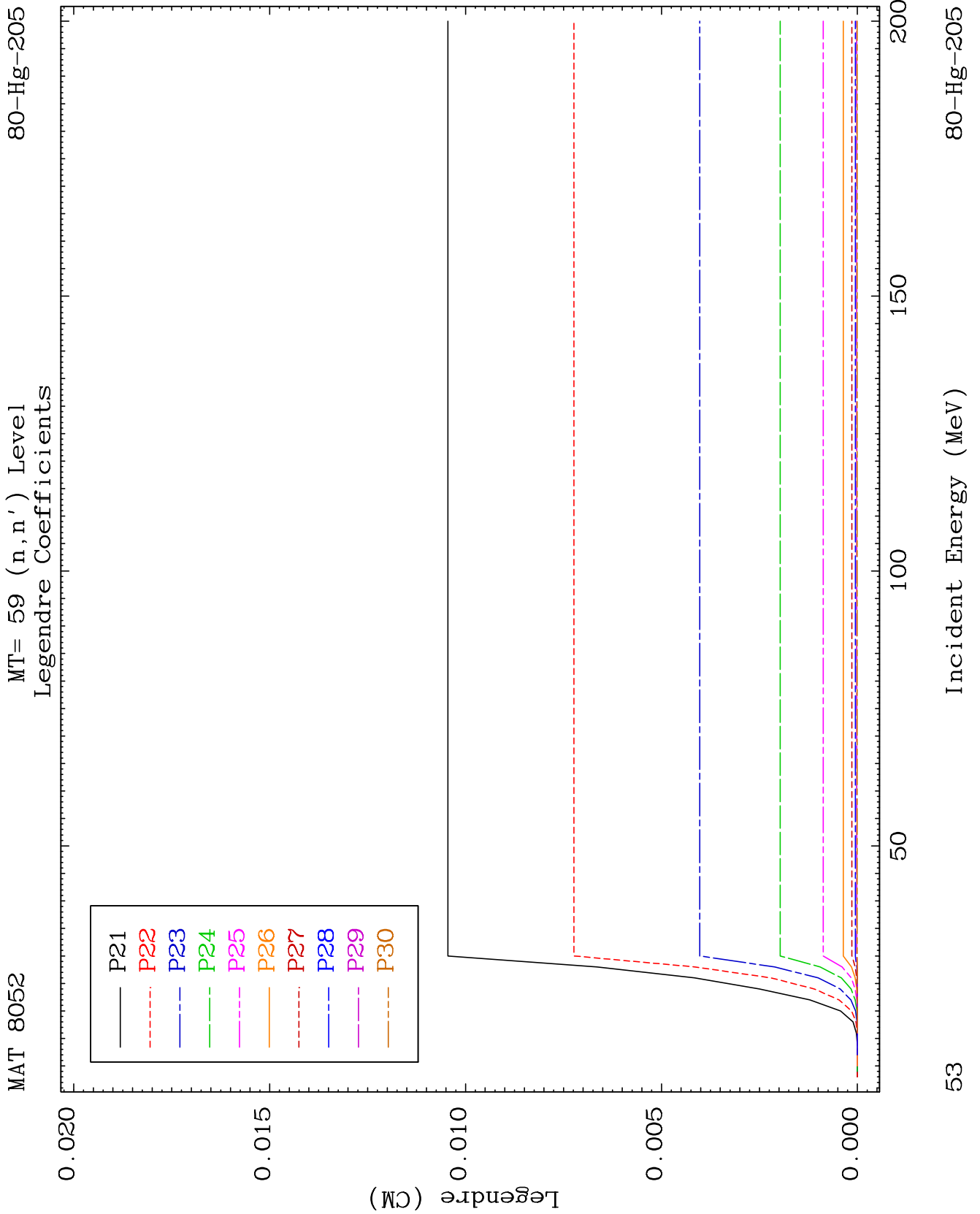
80-Hg-205

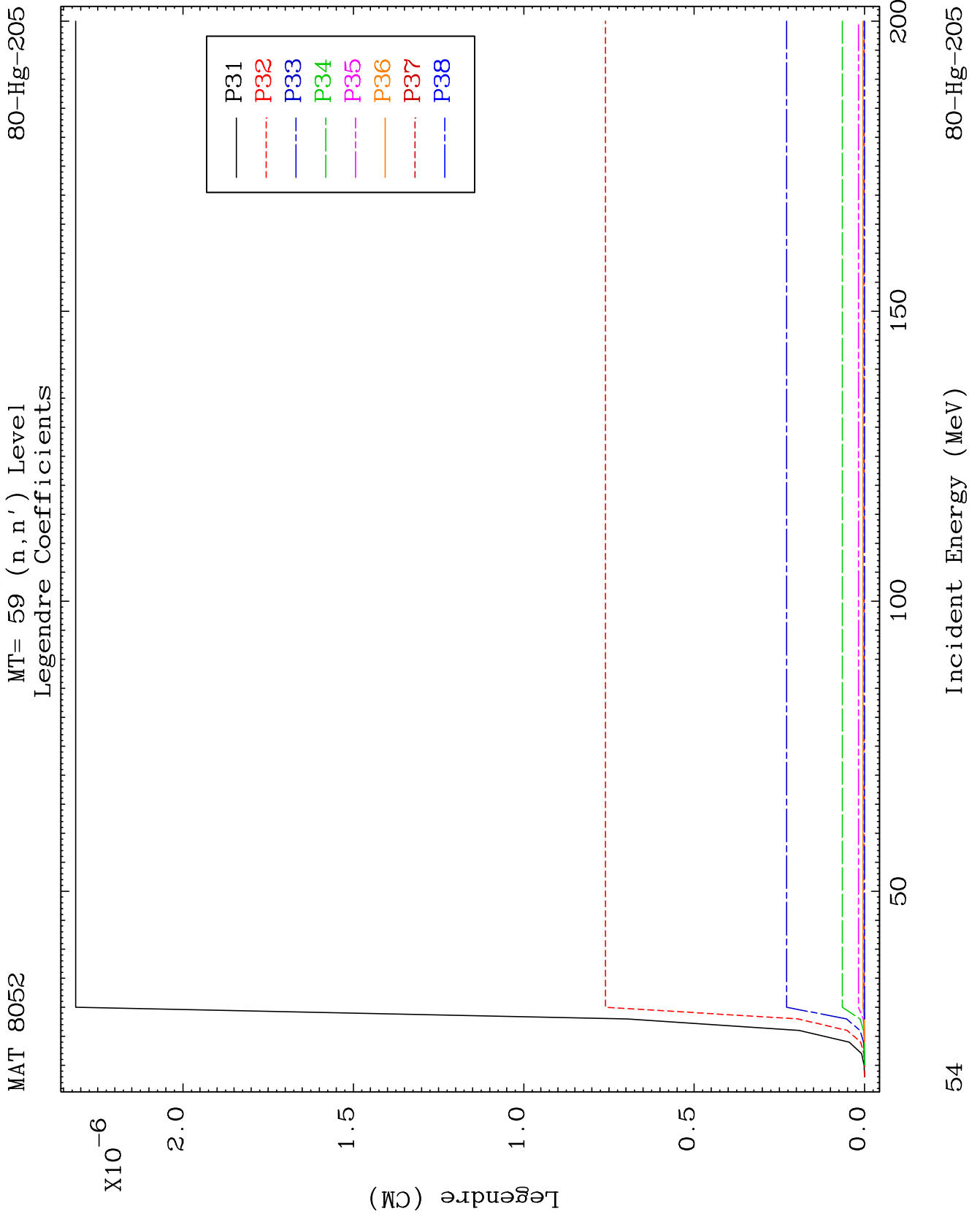


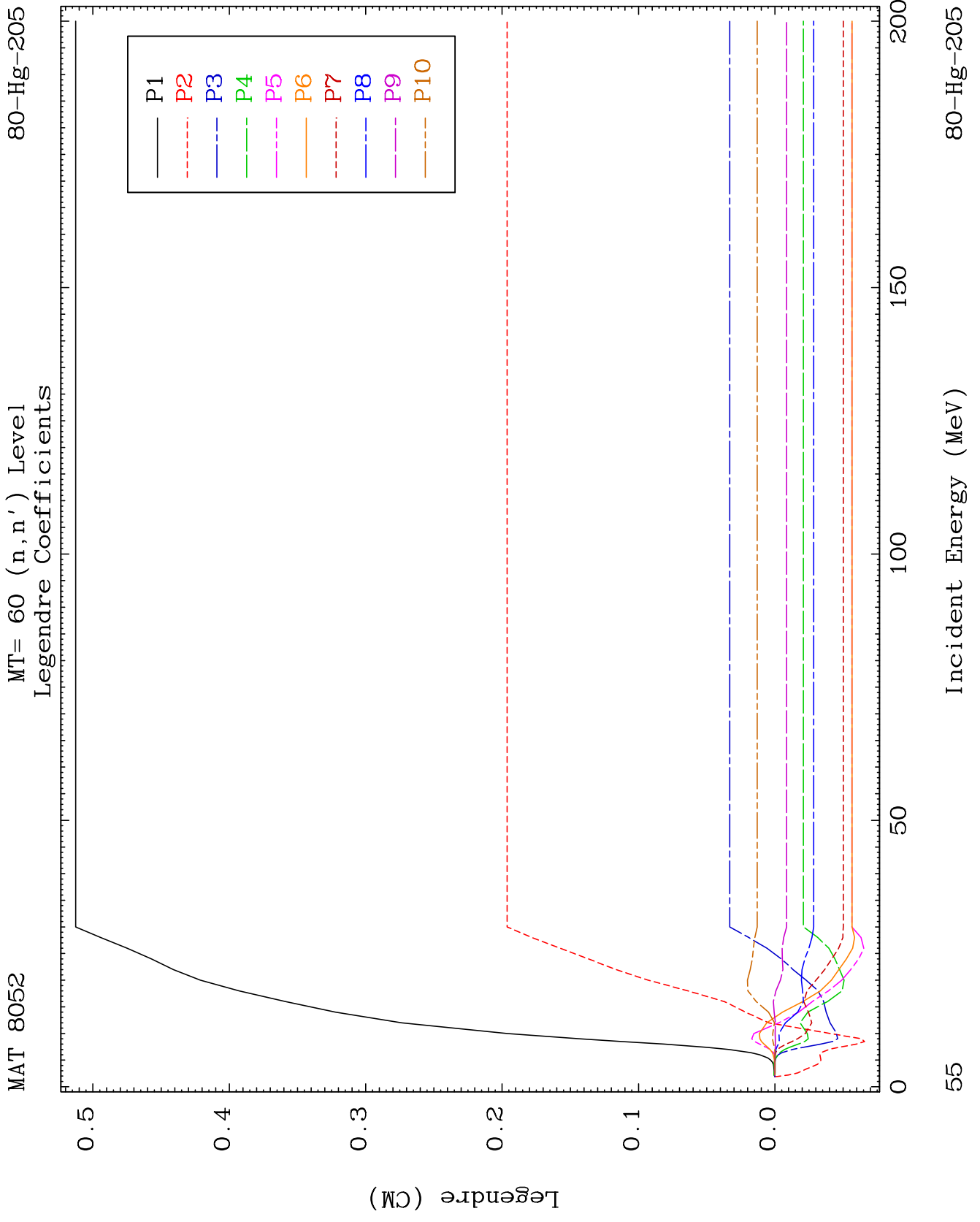
52

Incident Energy (MeV)

80-Hg-205



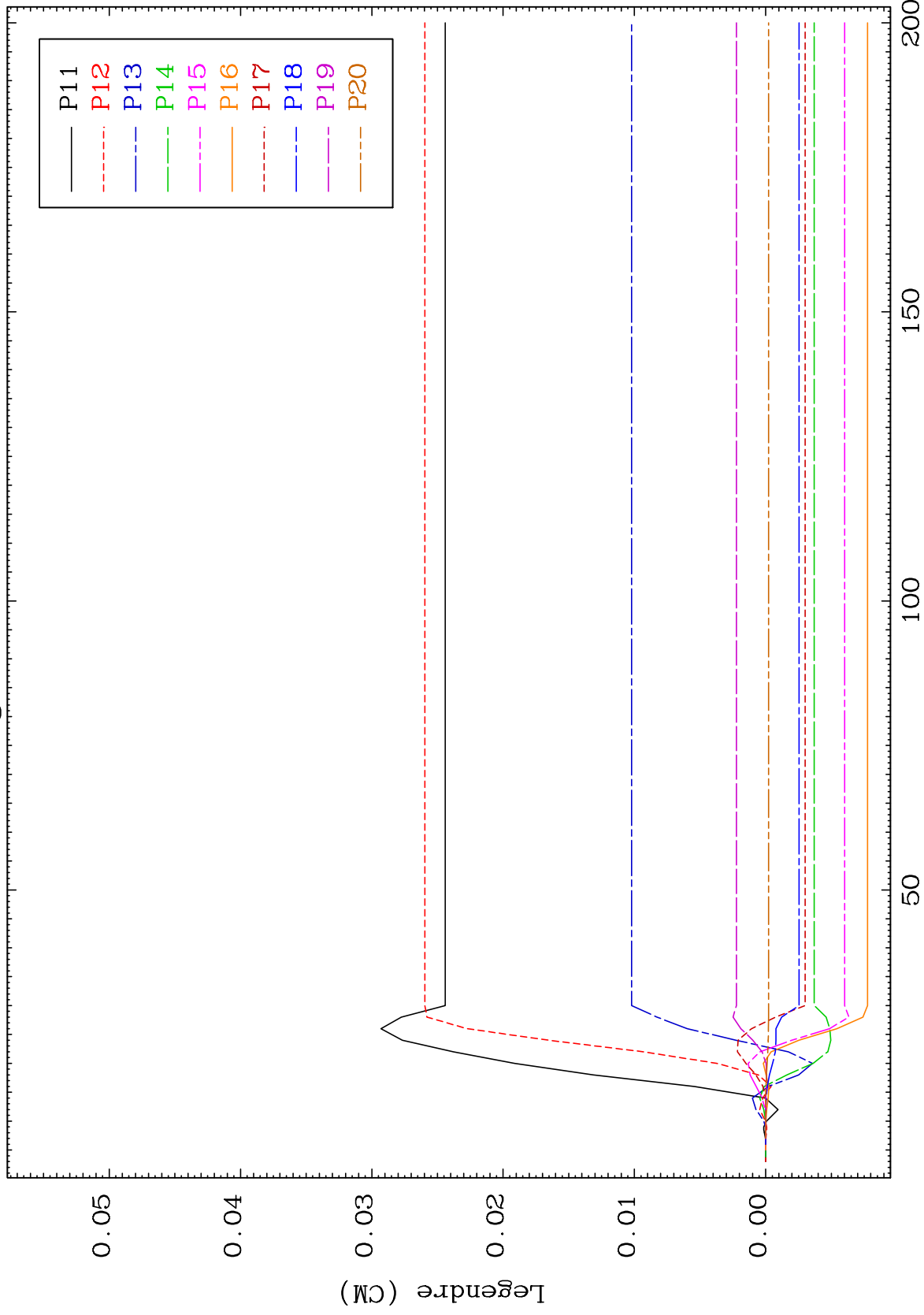




MAT 8052

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

80-Hg-205



56

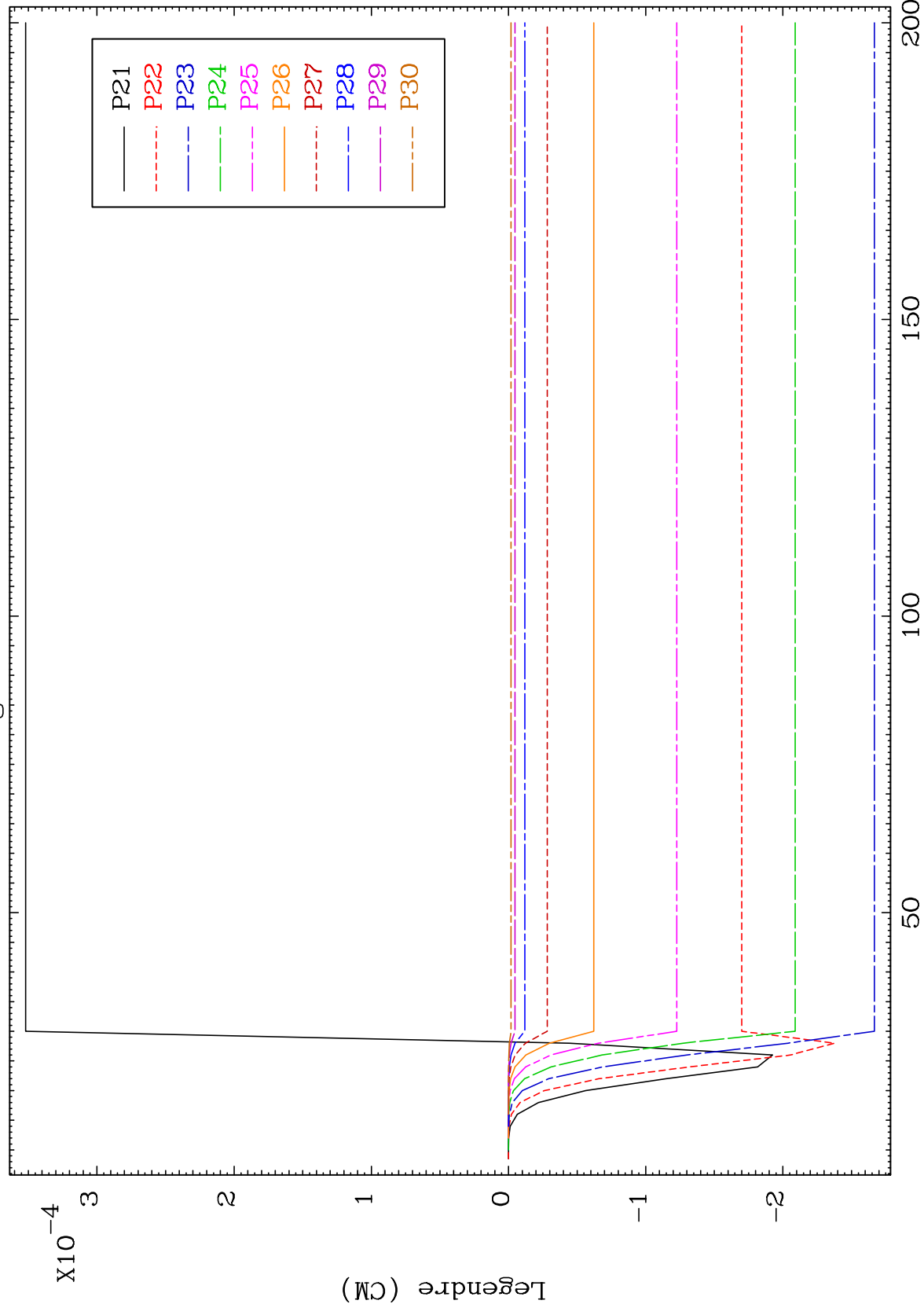
Incident Energy (MeV)

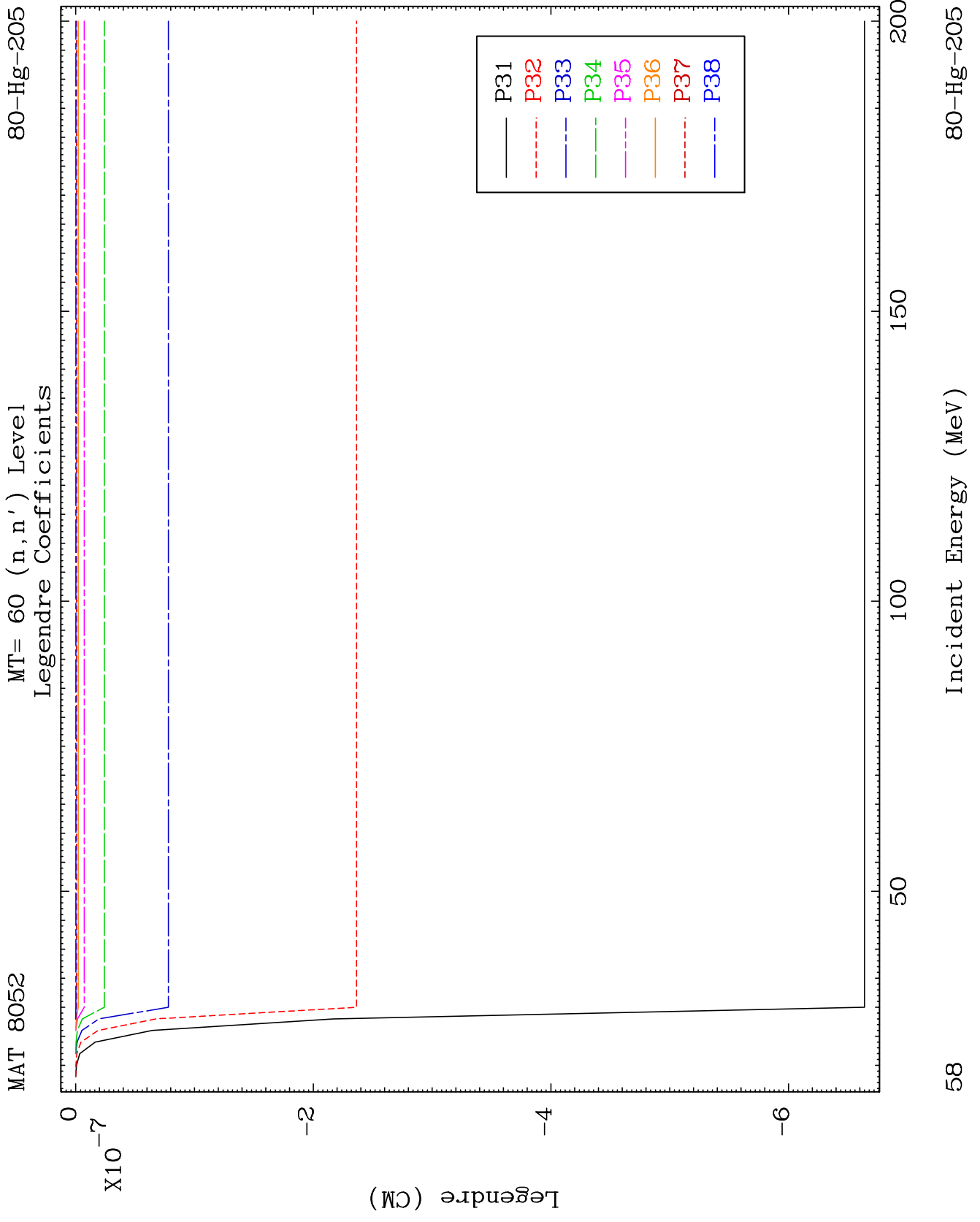
80-Hg-205

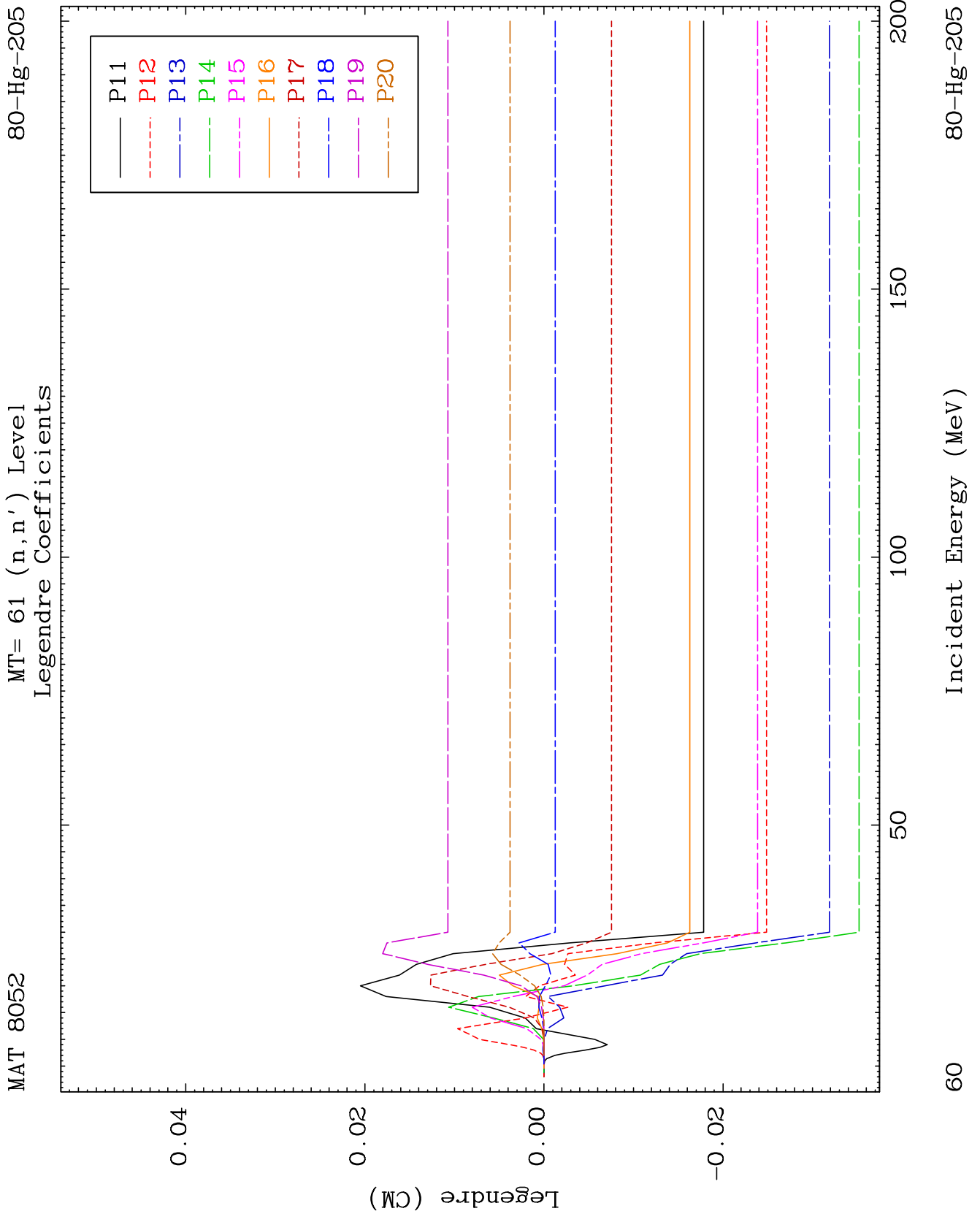
MAT 8052

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

80-Hg-205



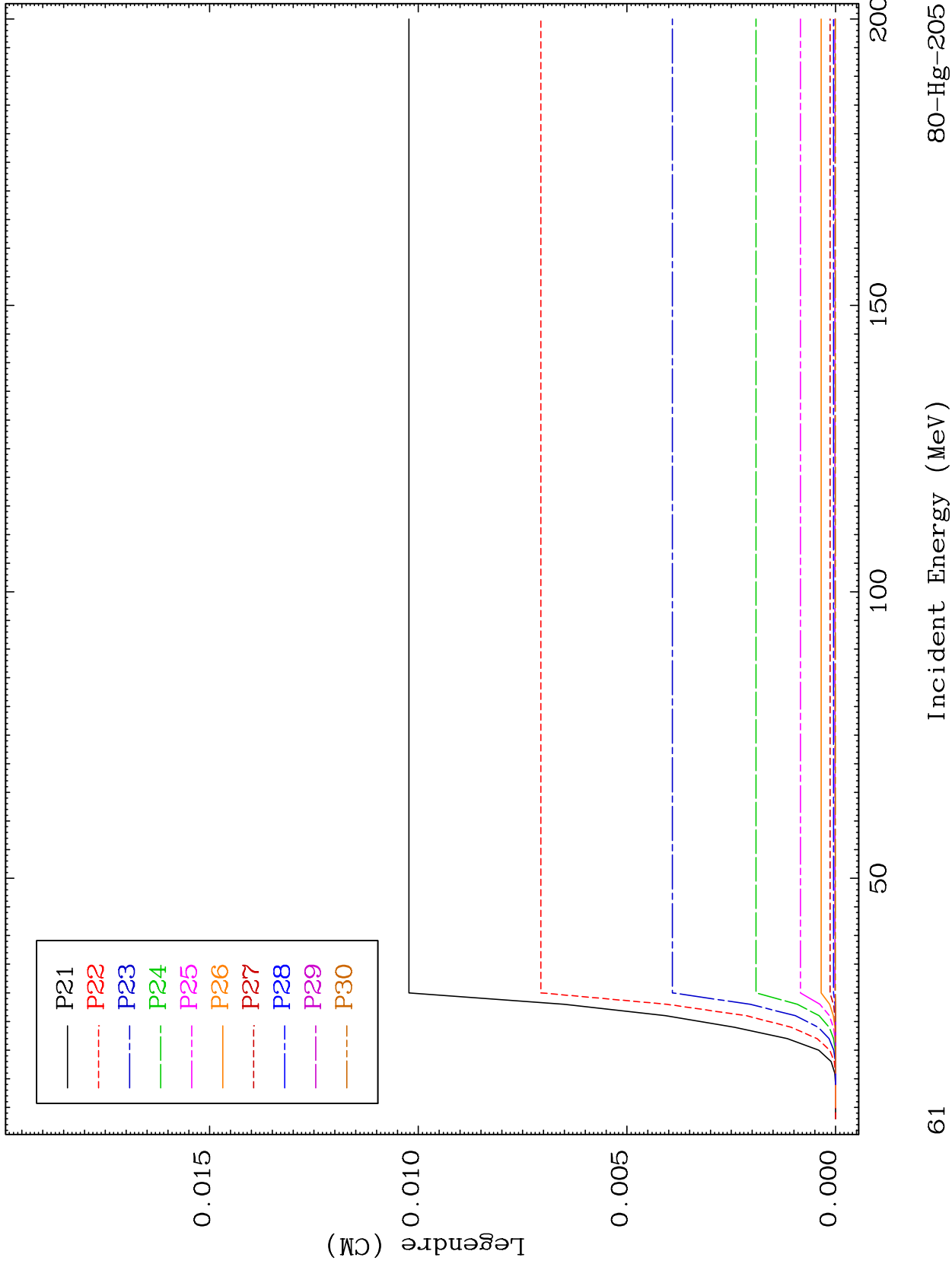




MAT 8052

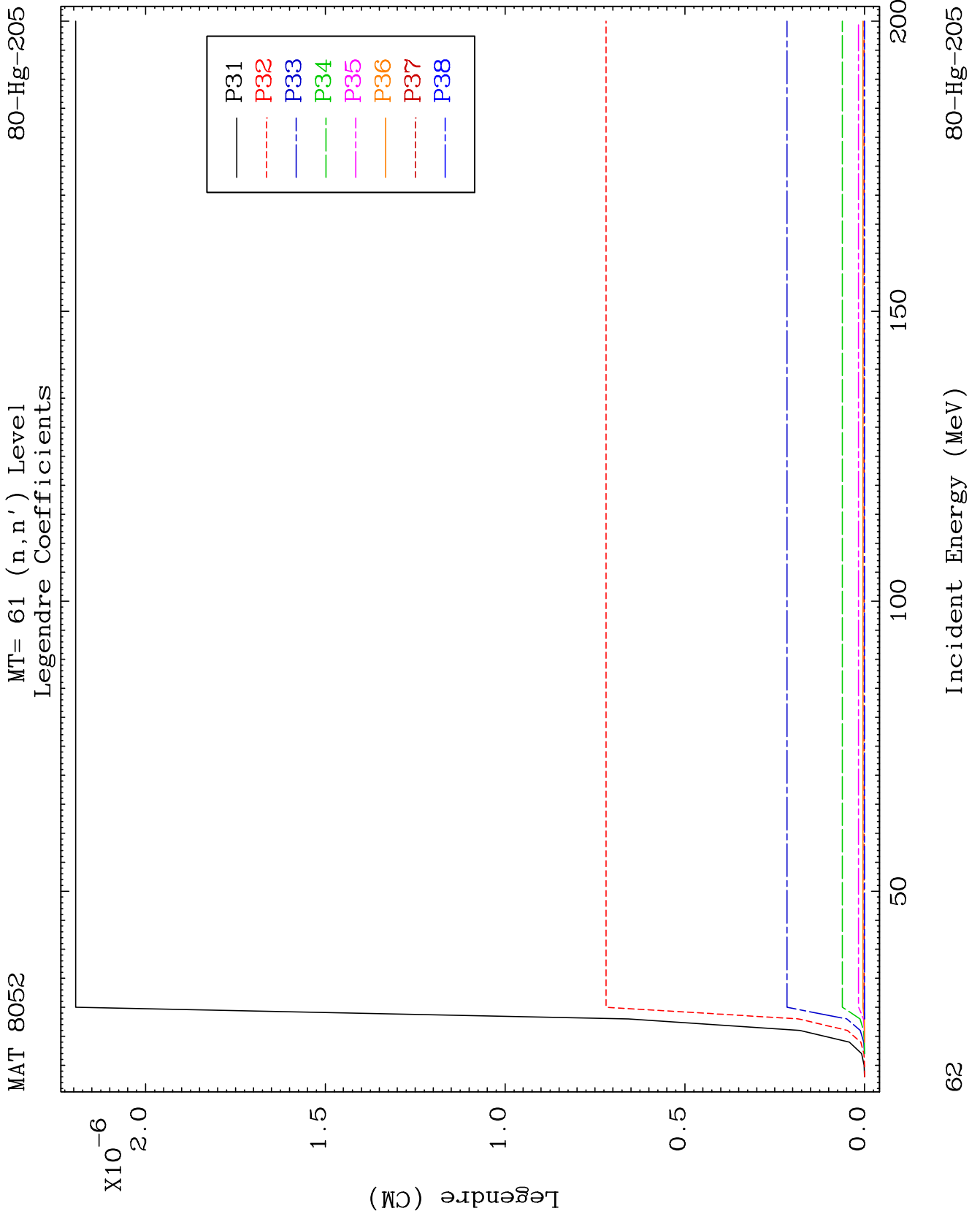
MT= 61 (n,n') Level
Legendre Coefficients

80-Hg-205



61

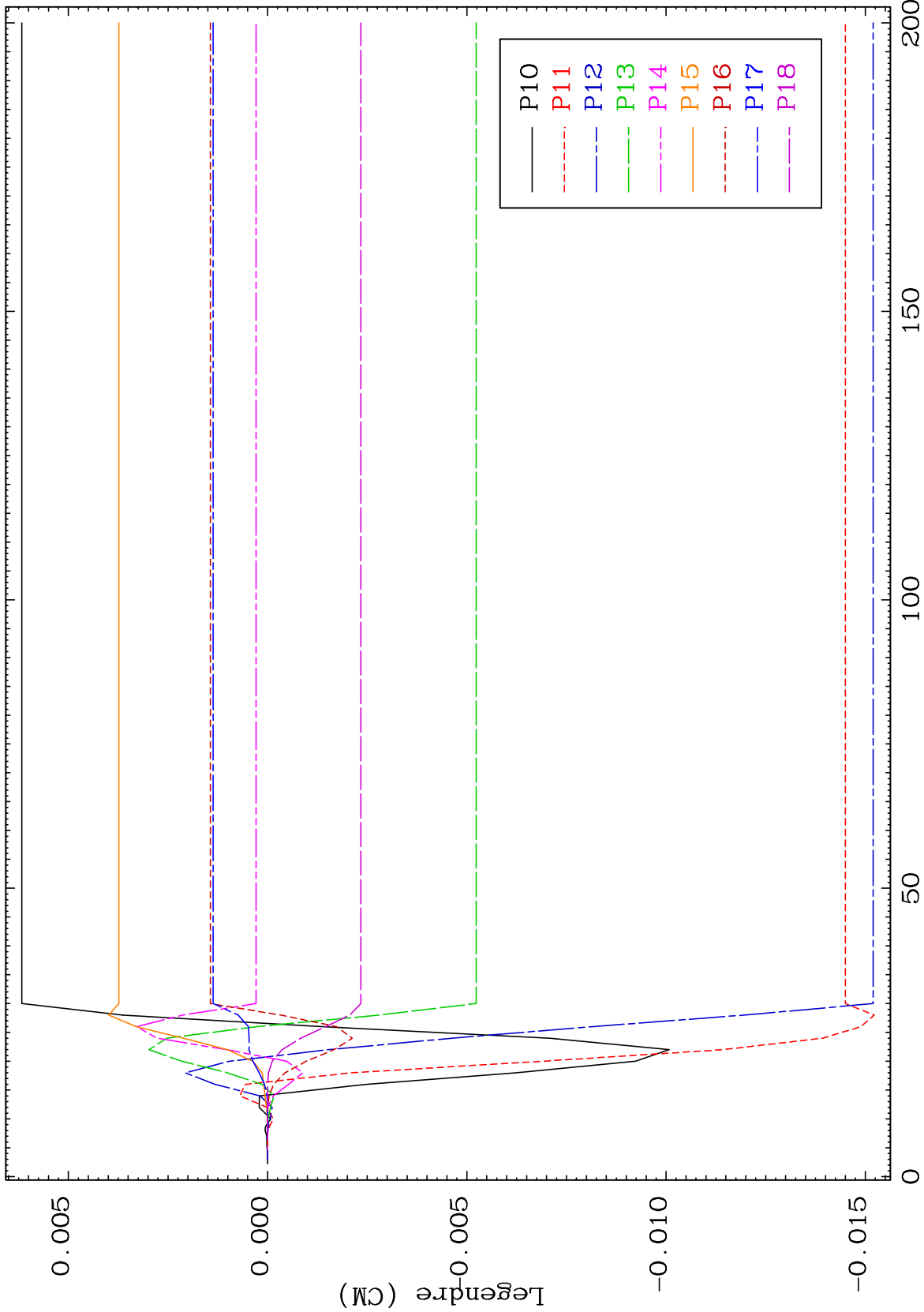
80-Hg-205



MAT 8052

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

80-Hg-205



64

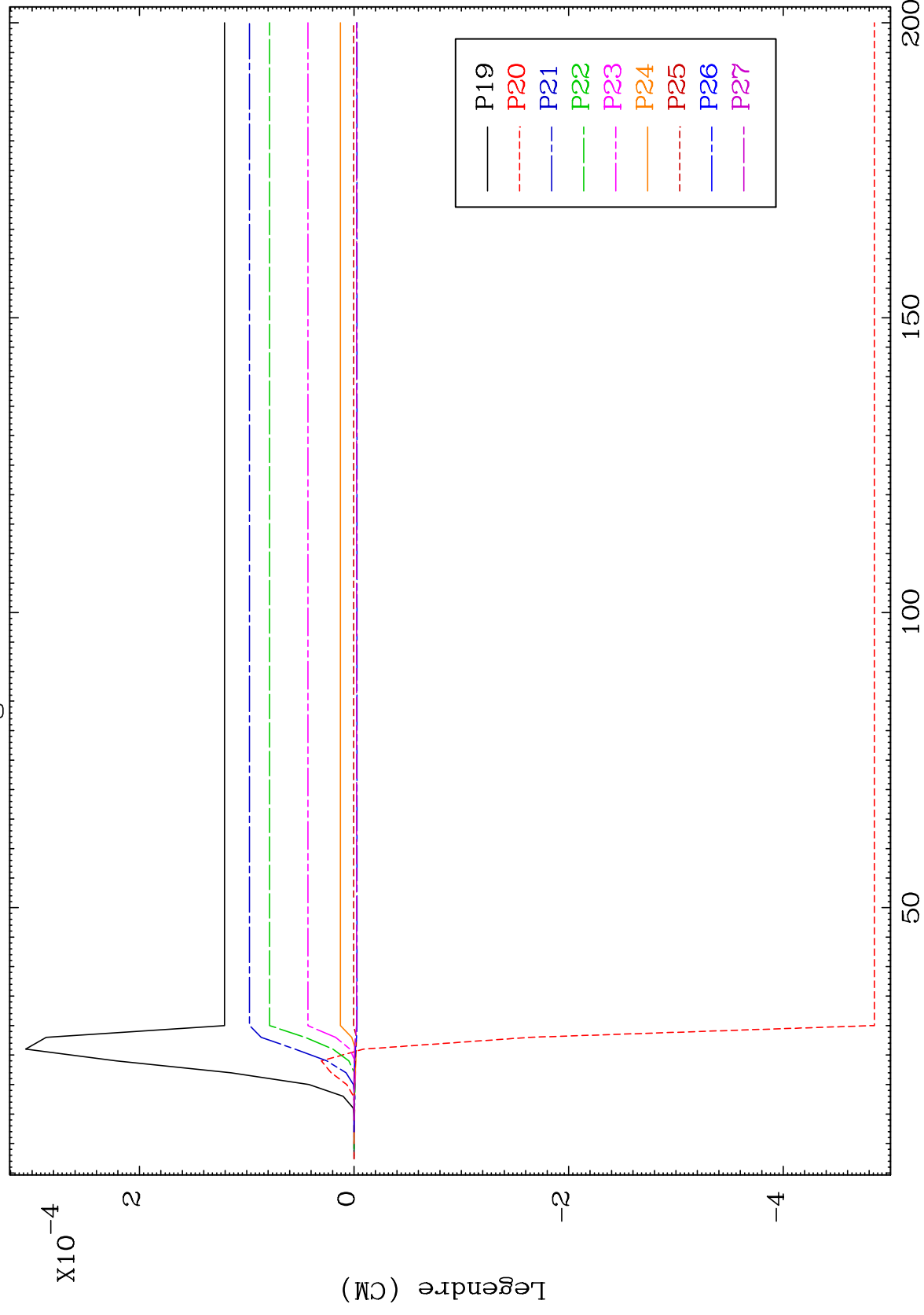
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

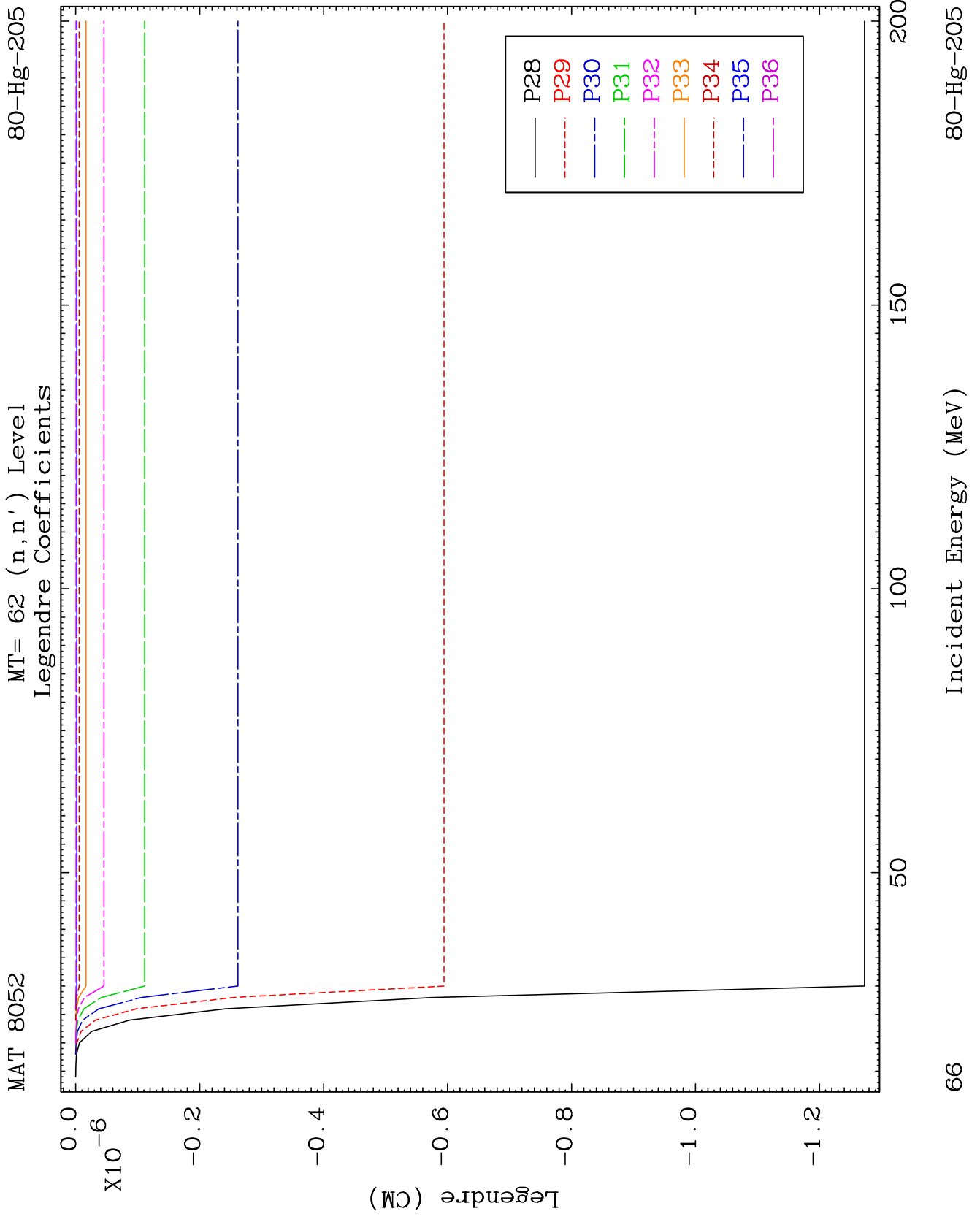
80-Hg-205



65

Incident Energy (MeV)

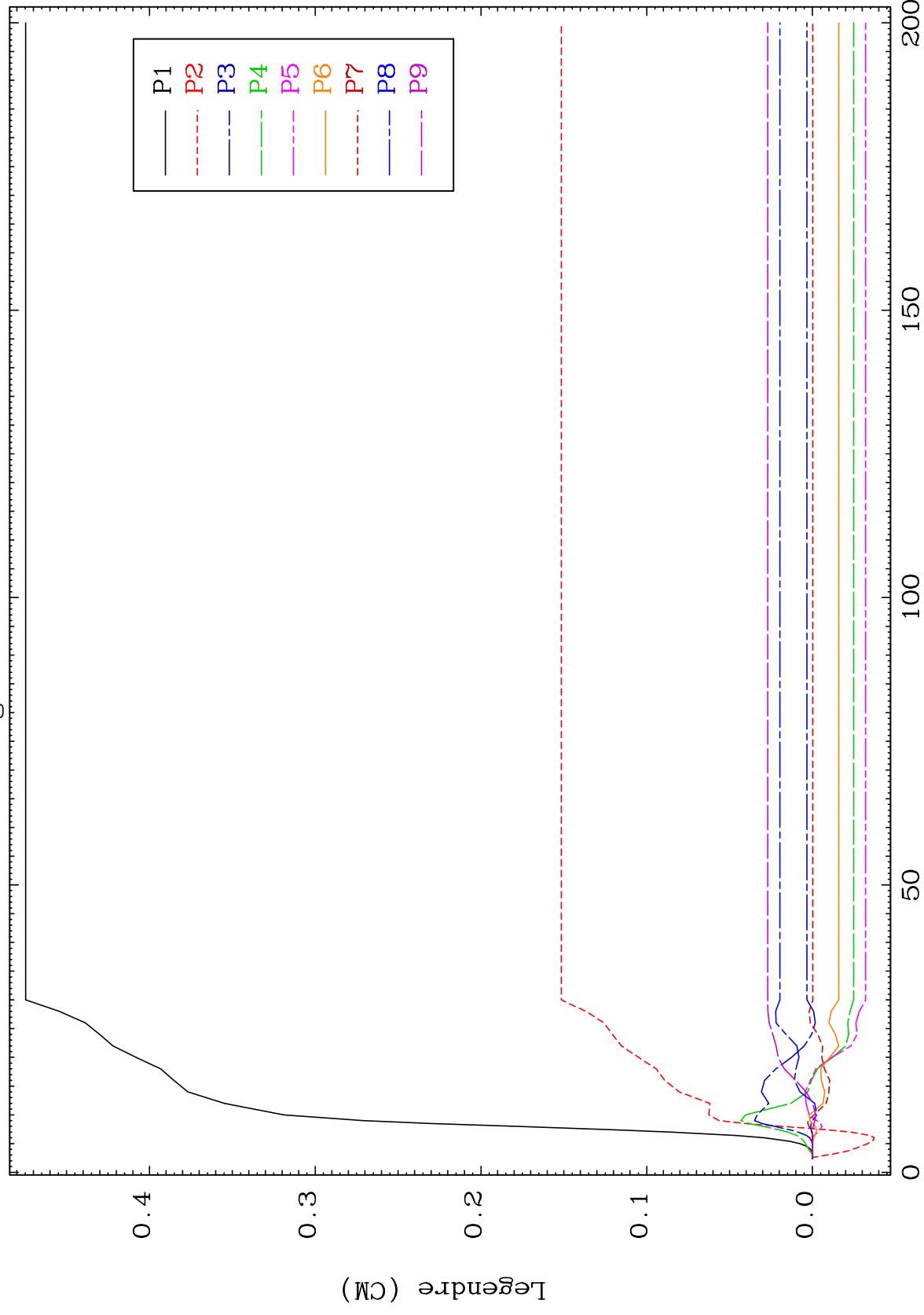
80-Hg-205



MAT 8052

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

80-Hg-205



67

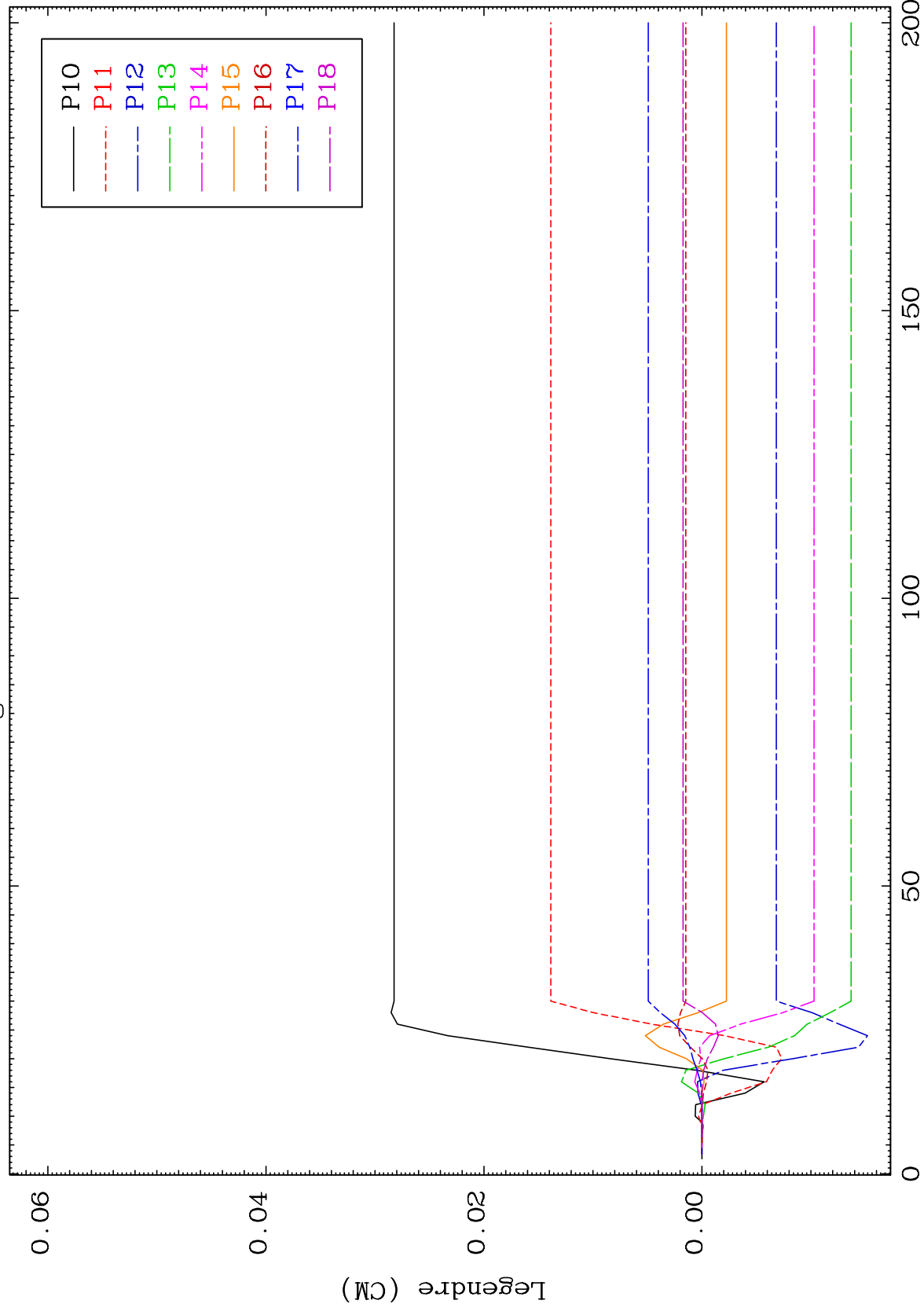
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



68

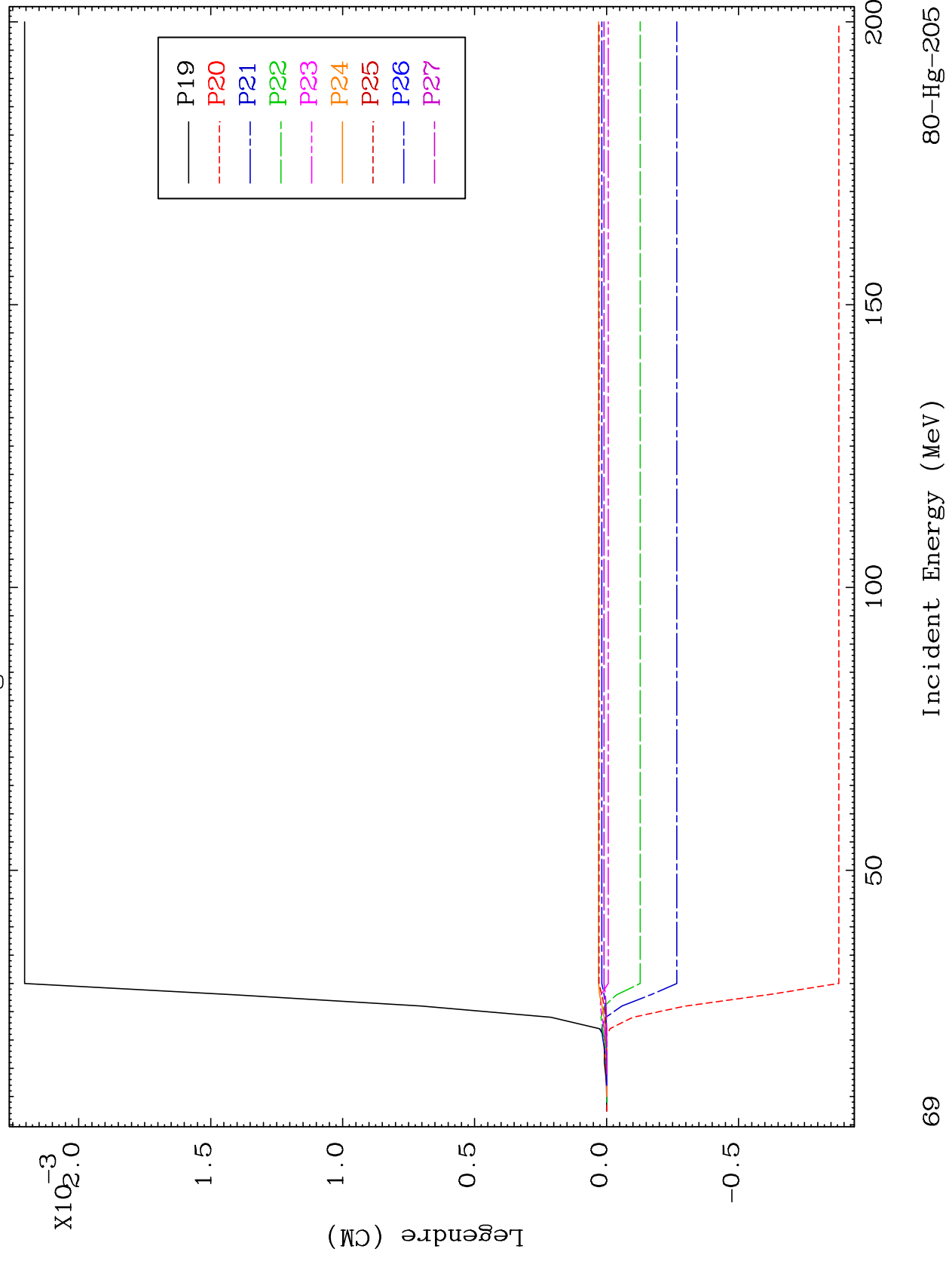
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

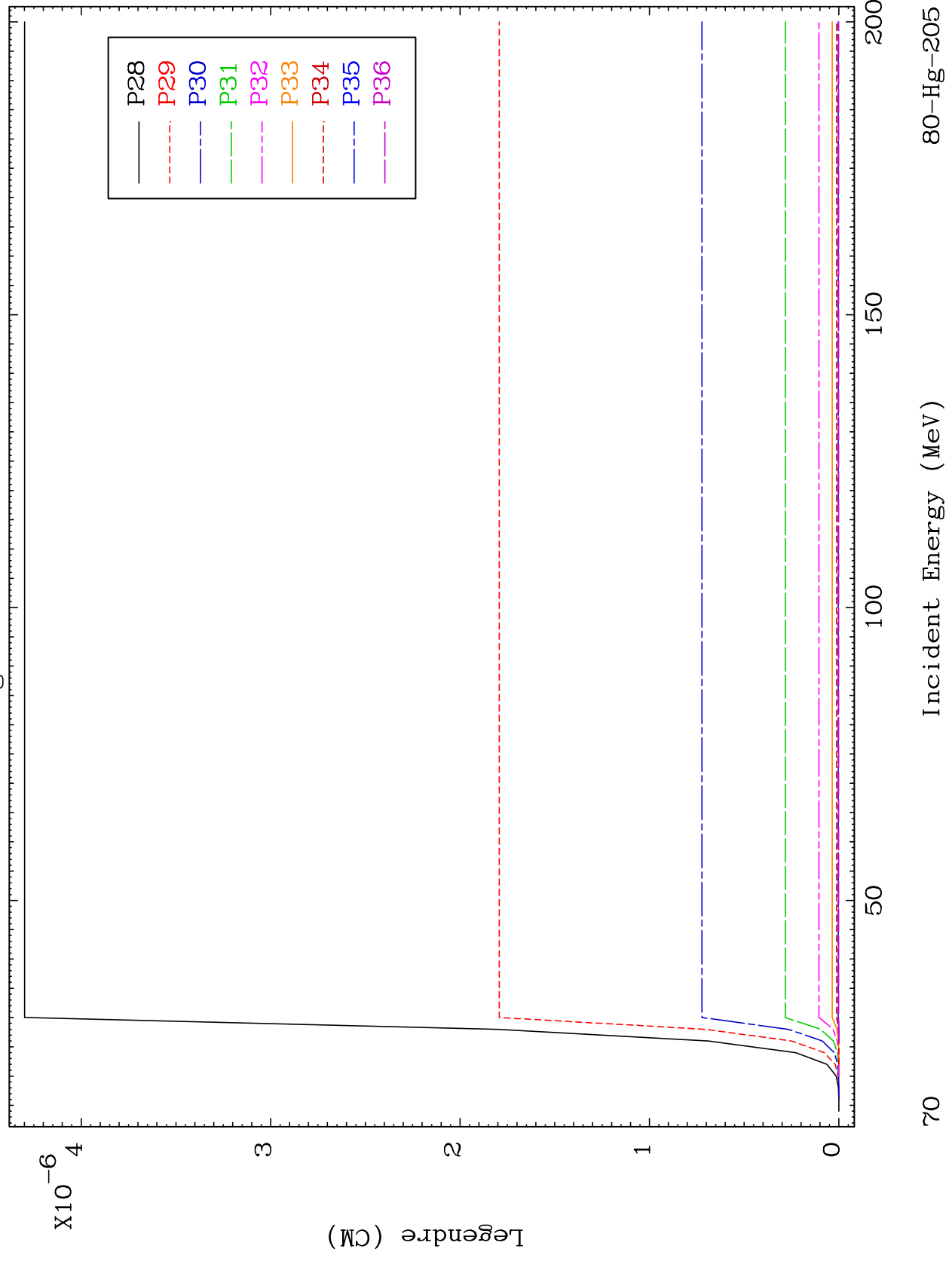
80-Hg-205



MAT 8052

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

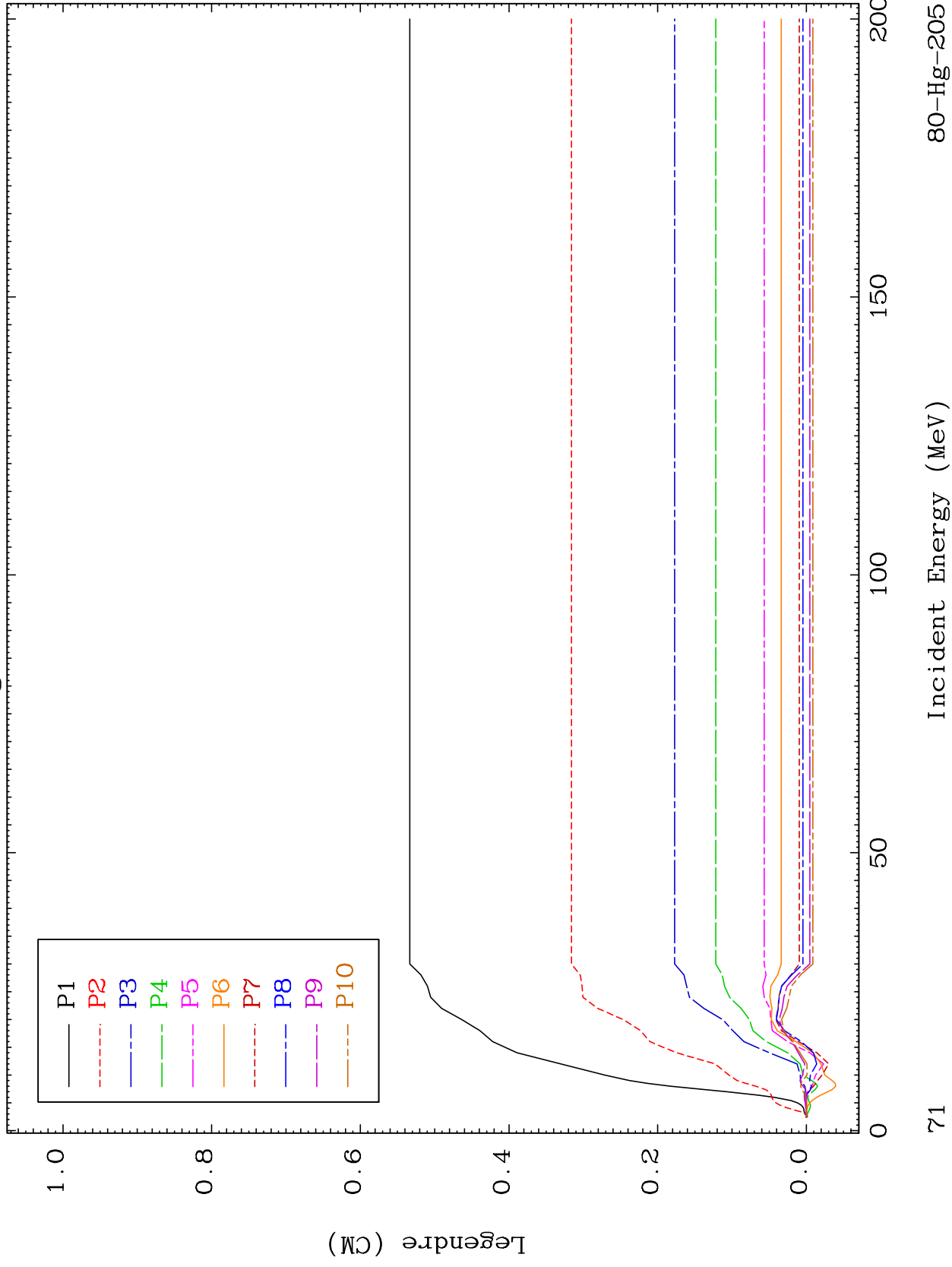
80-Hg-205



MAT 8052

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

80-Hg-205

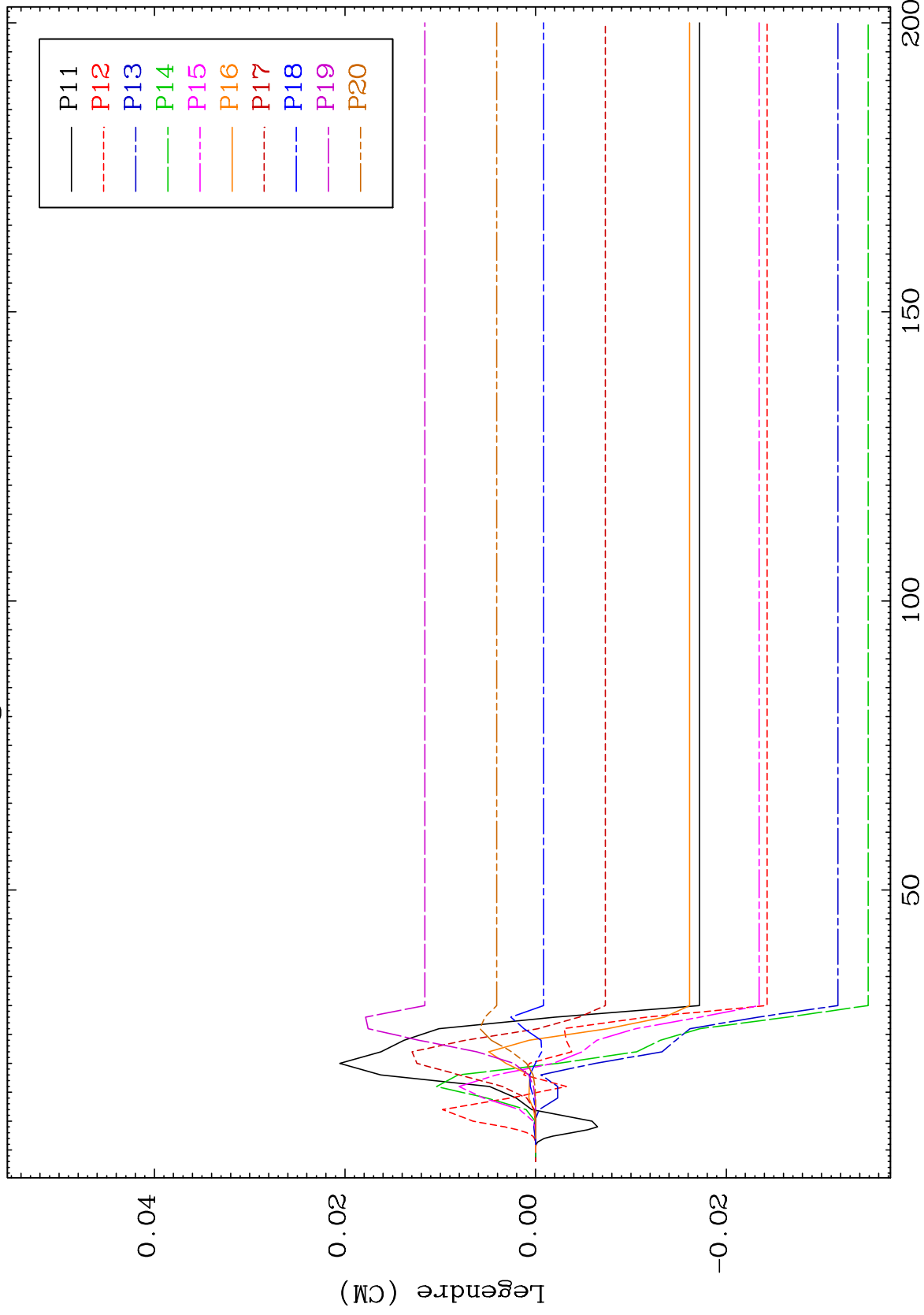


71

MAT 8052

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

80-Hg-205



72

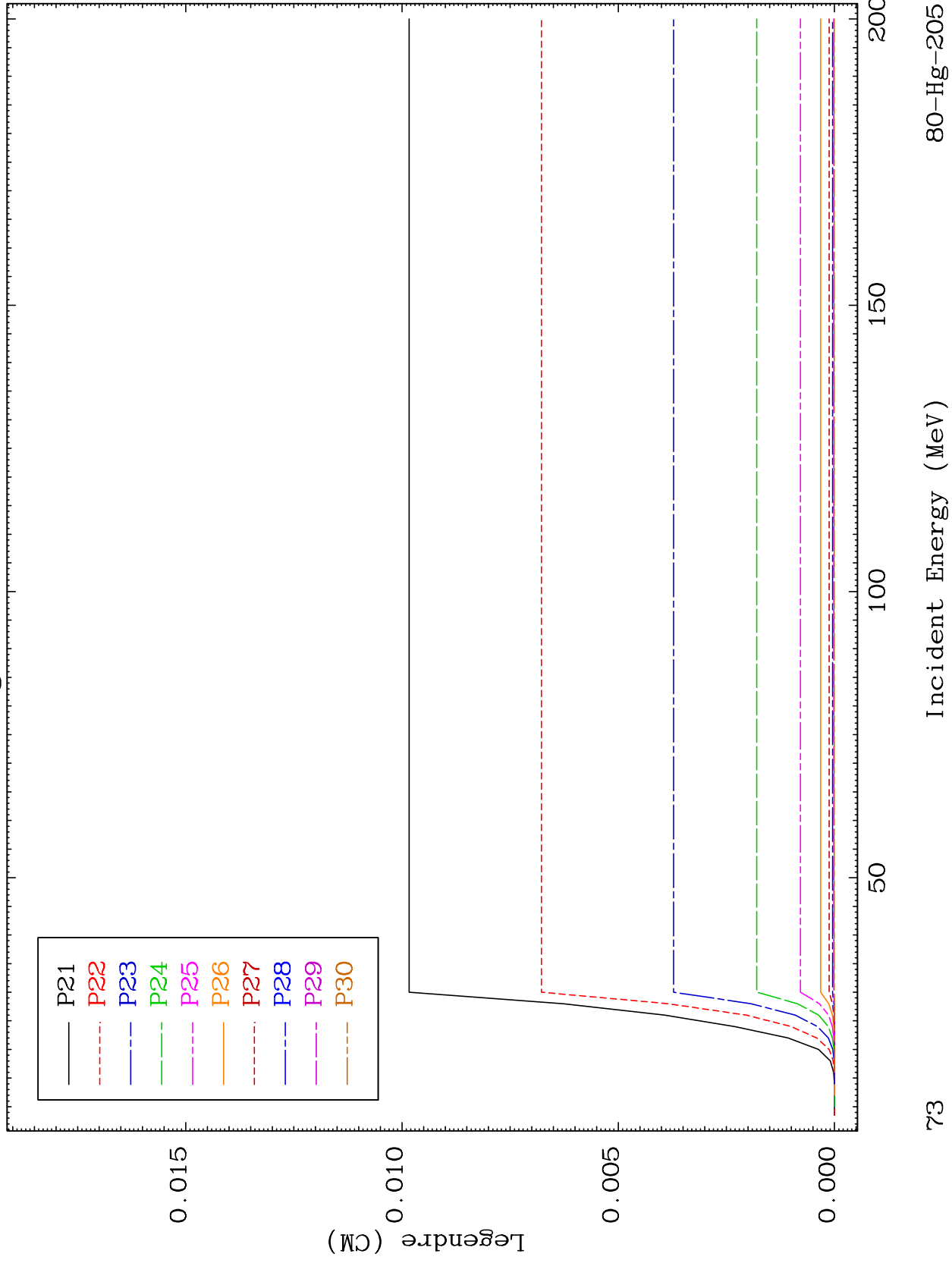
Incident Energy (MeV)

80-Hg-205

MAT 8052

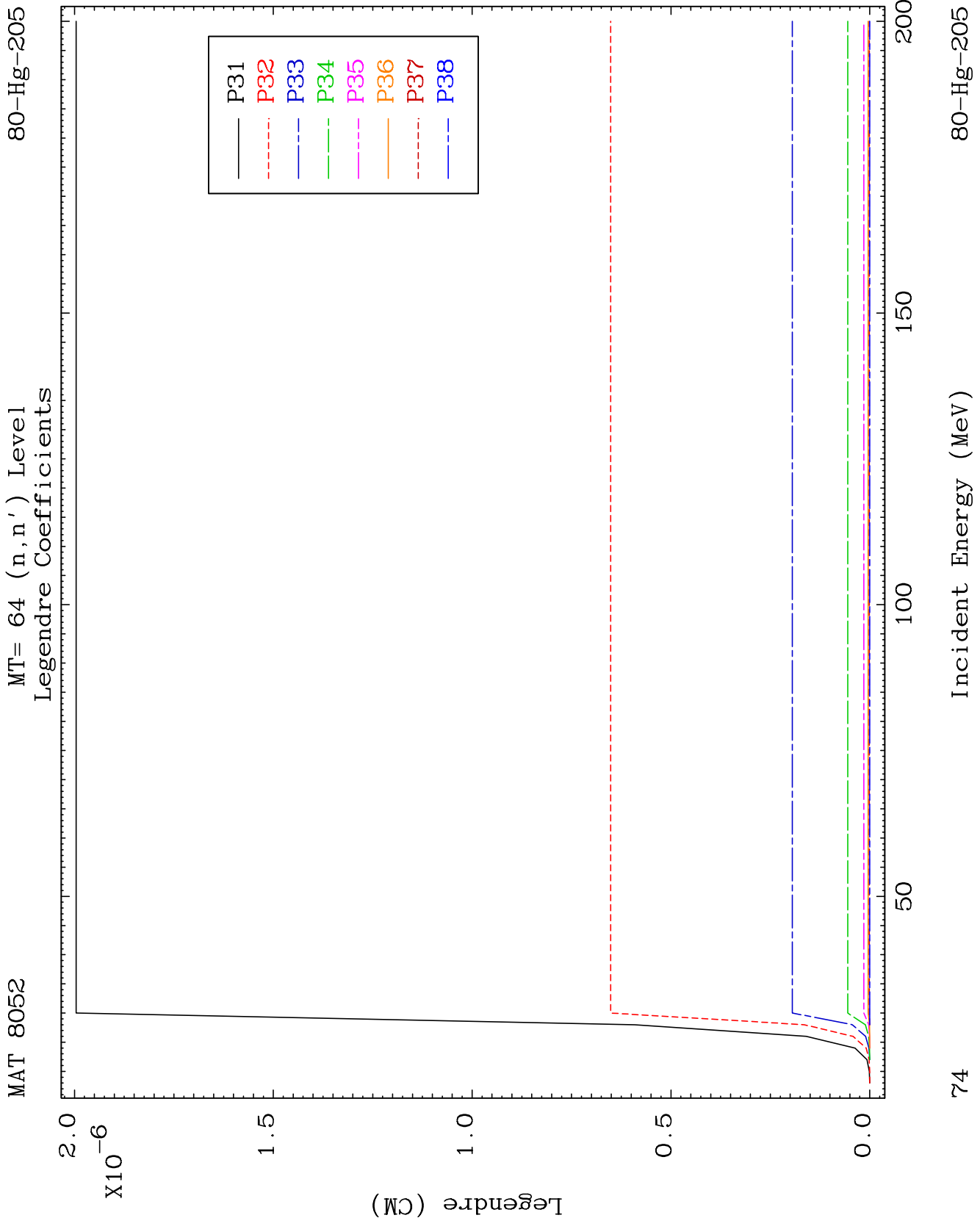
MT= 64 (n,n') Level
Legendre Coefficients

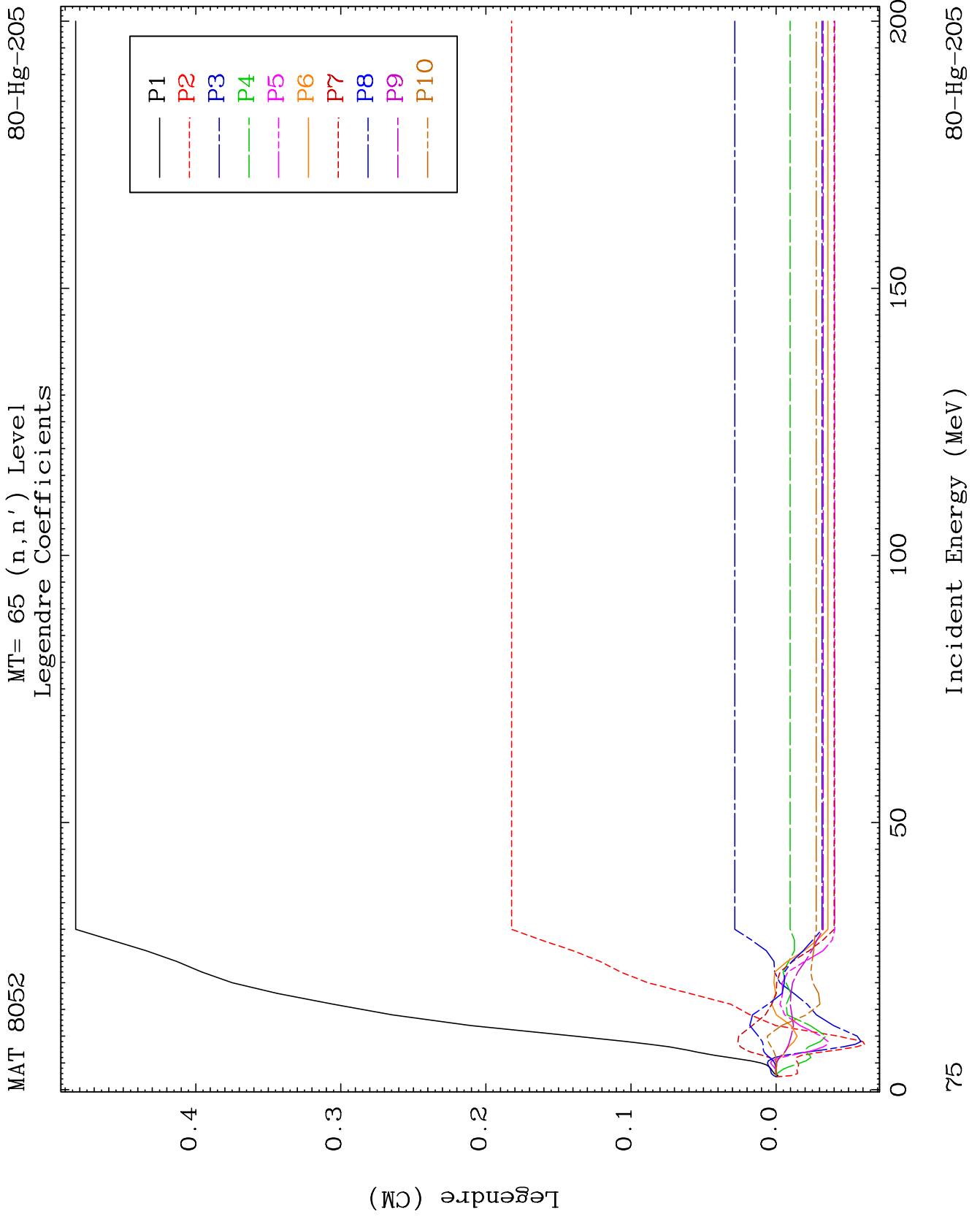
80-Hg-205



73

80-Hg-205

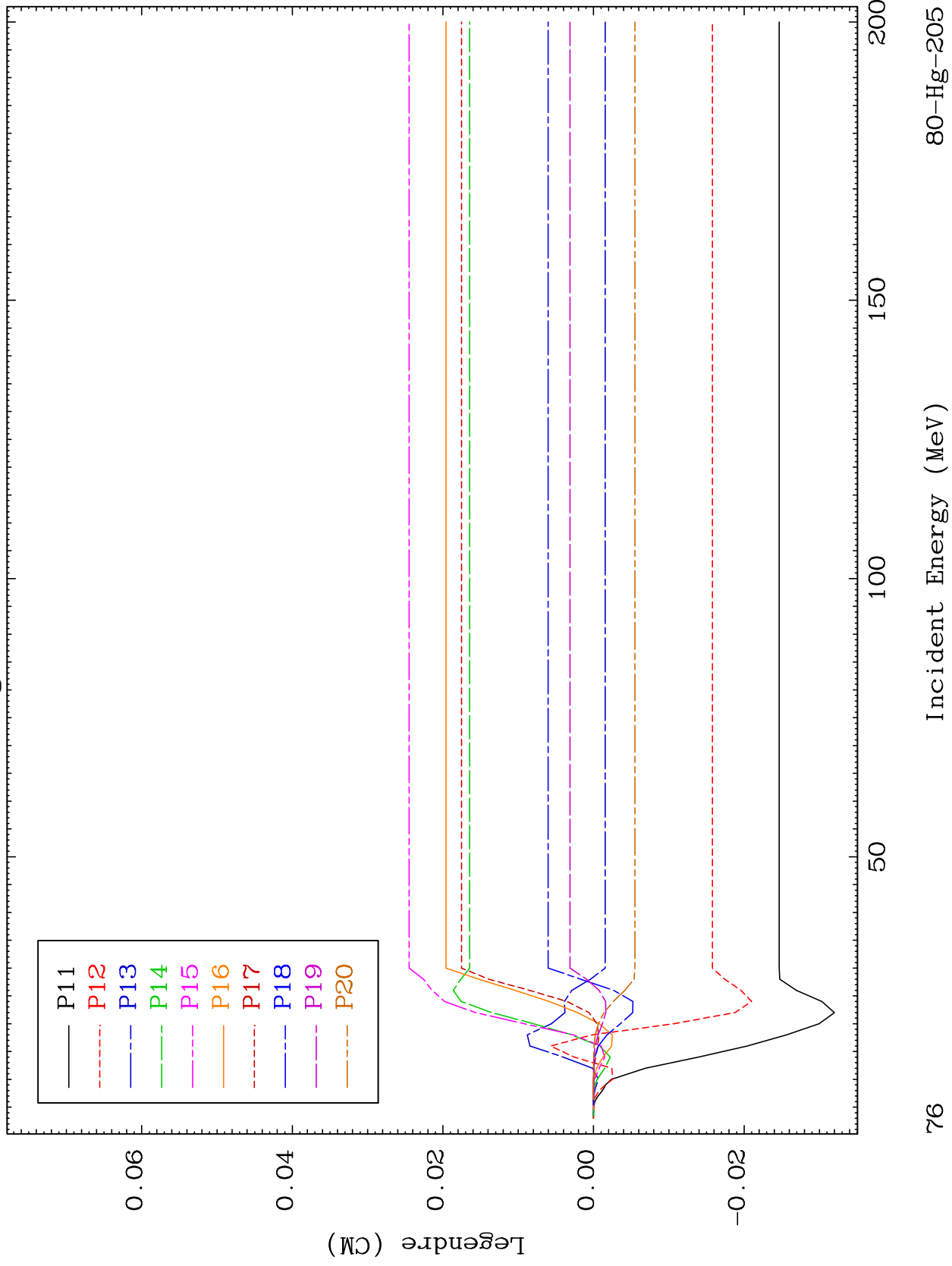




MAT 8052

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

80-Hg-205



76

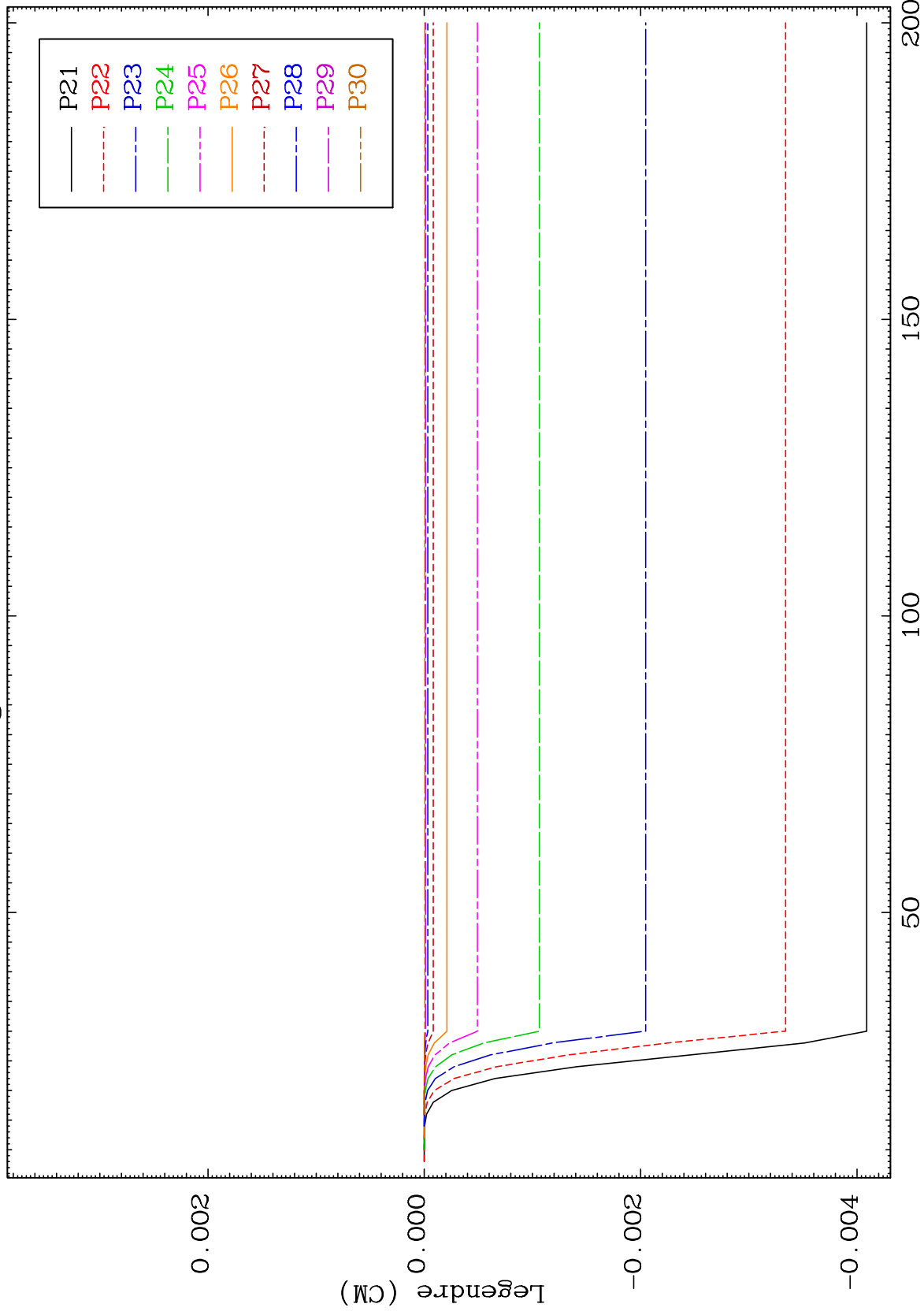
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

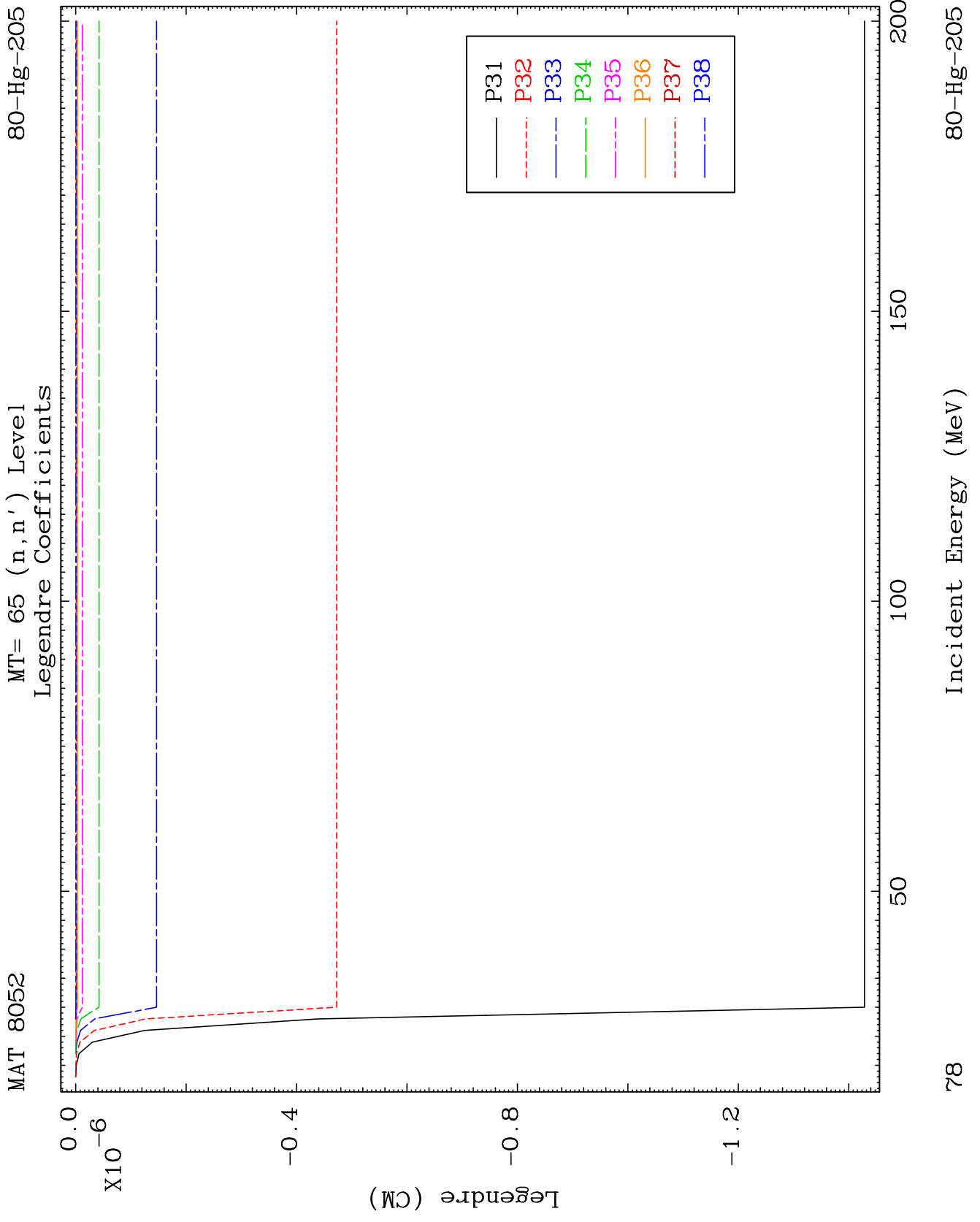
80-Hg-205



77

Incident Energy (MeV)

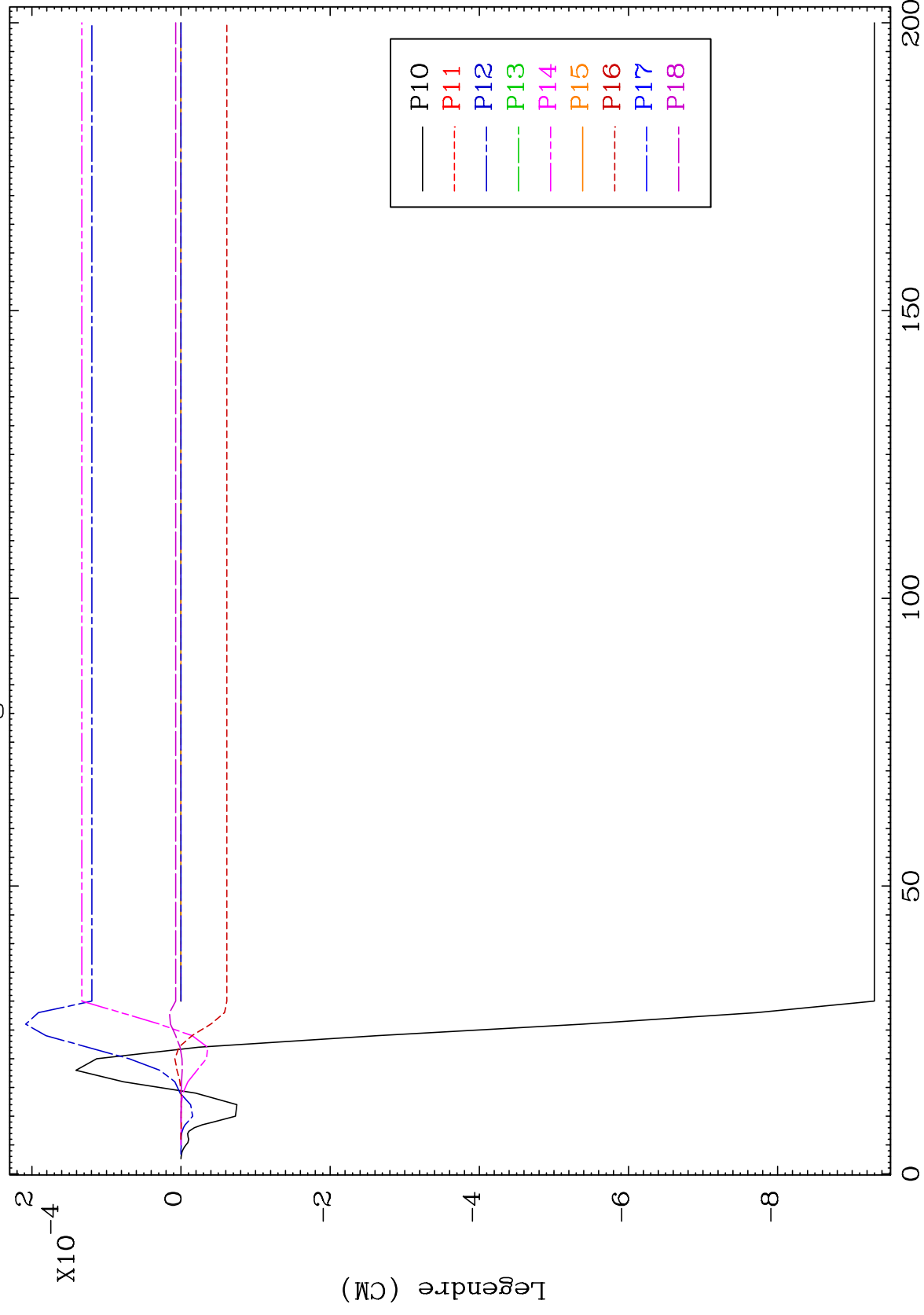
80-Hg-205



MAT 8052

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

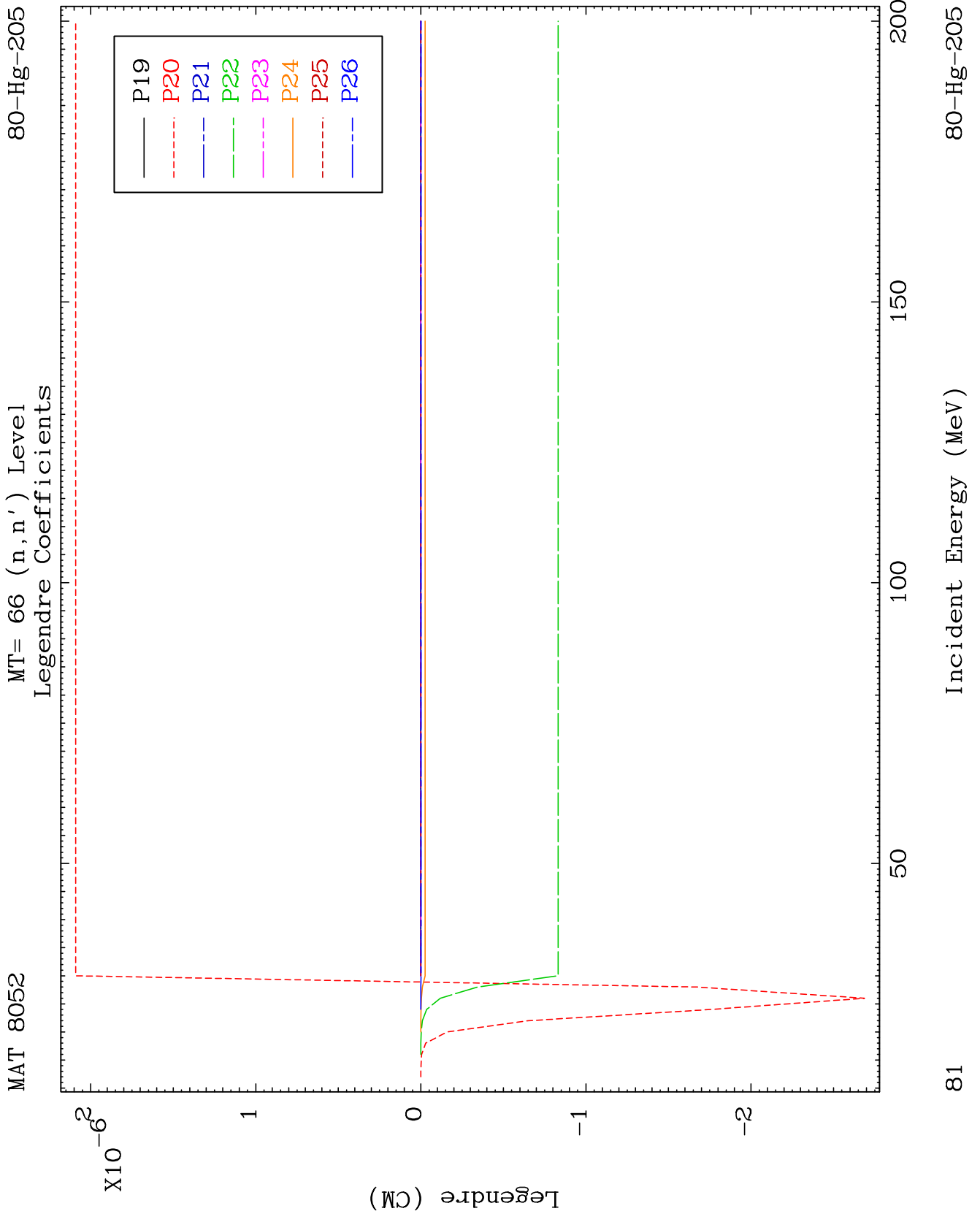
80-Hg-205



80

Incident Energy (MeV)

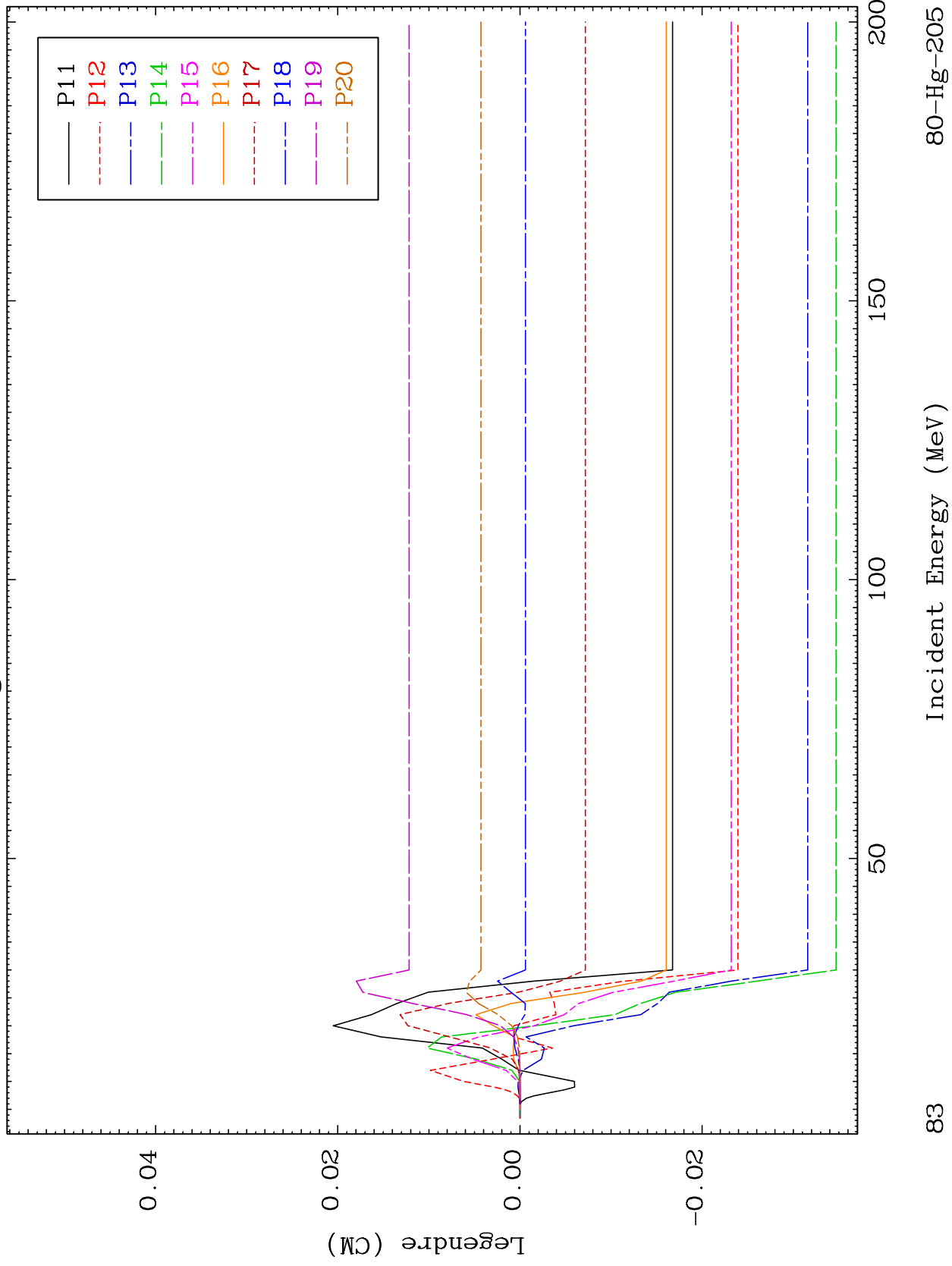
80-Hg-205



MAT 8052

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

80-Hg-205

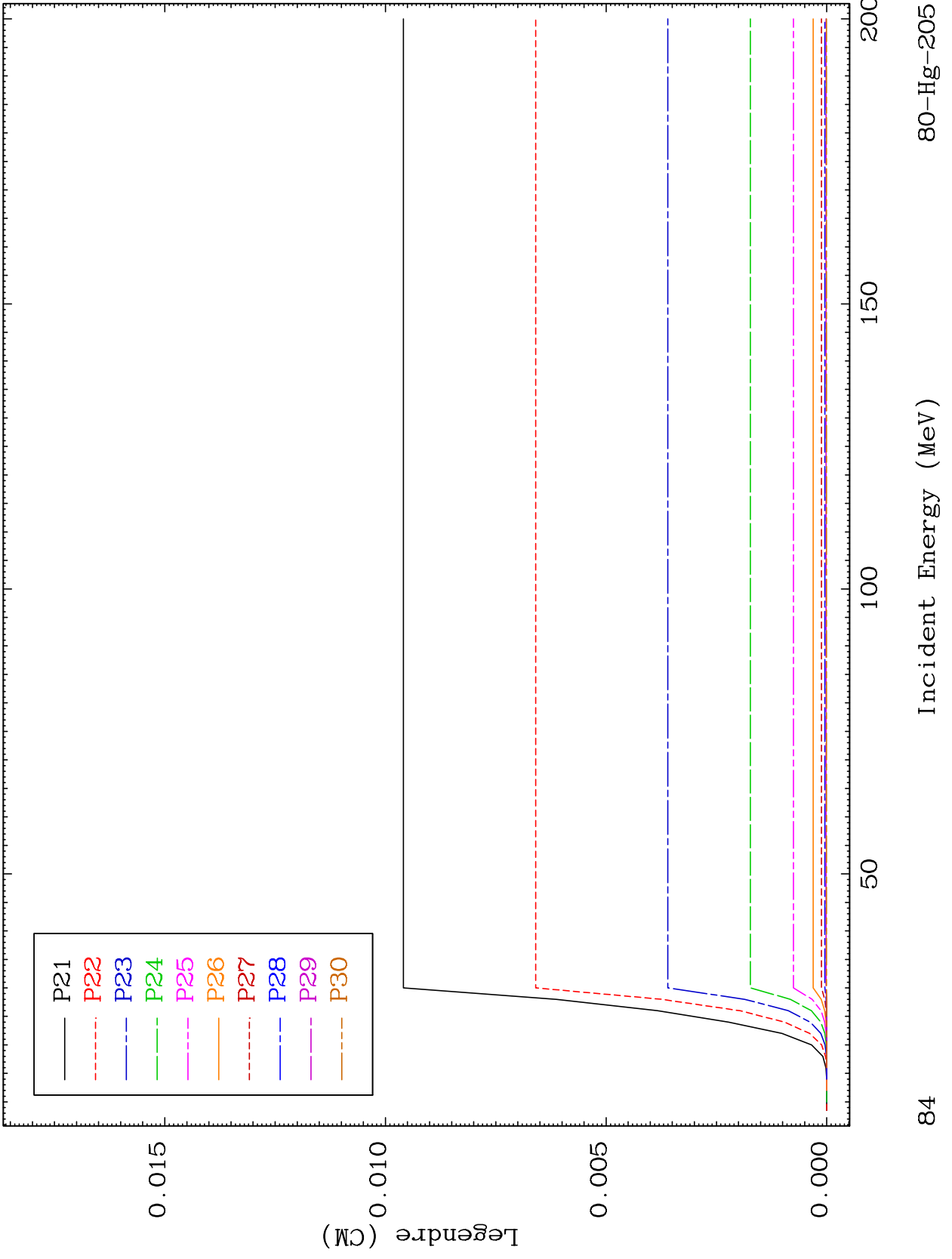


83

MAT 8052

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

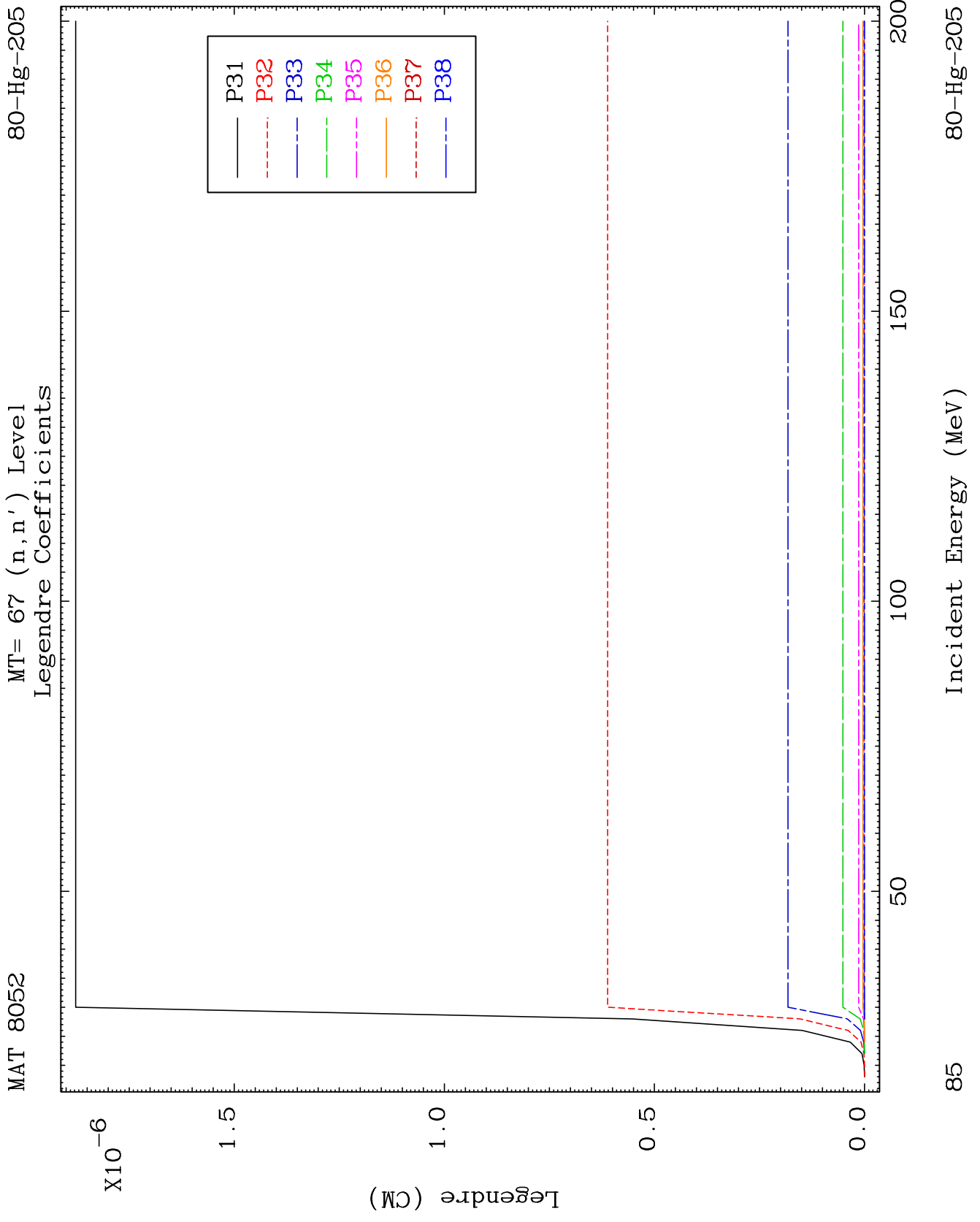
80-Hg-205

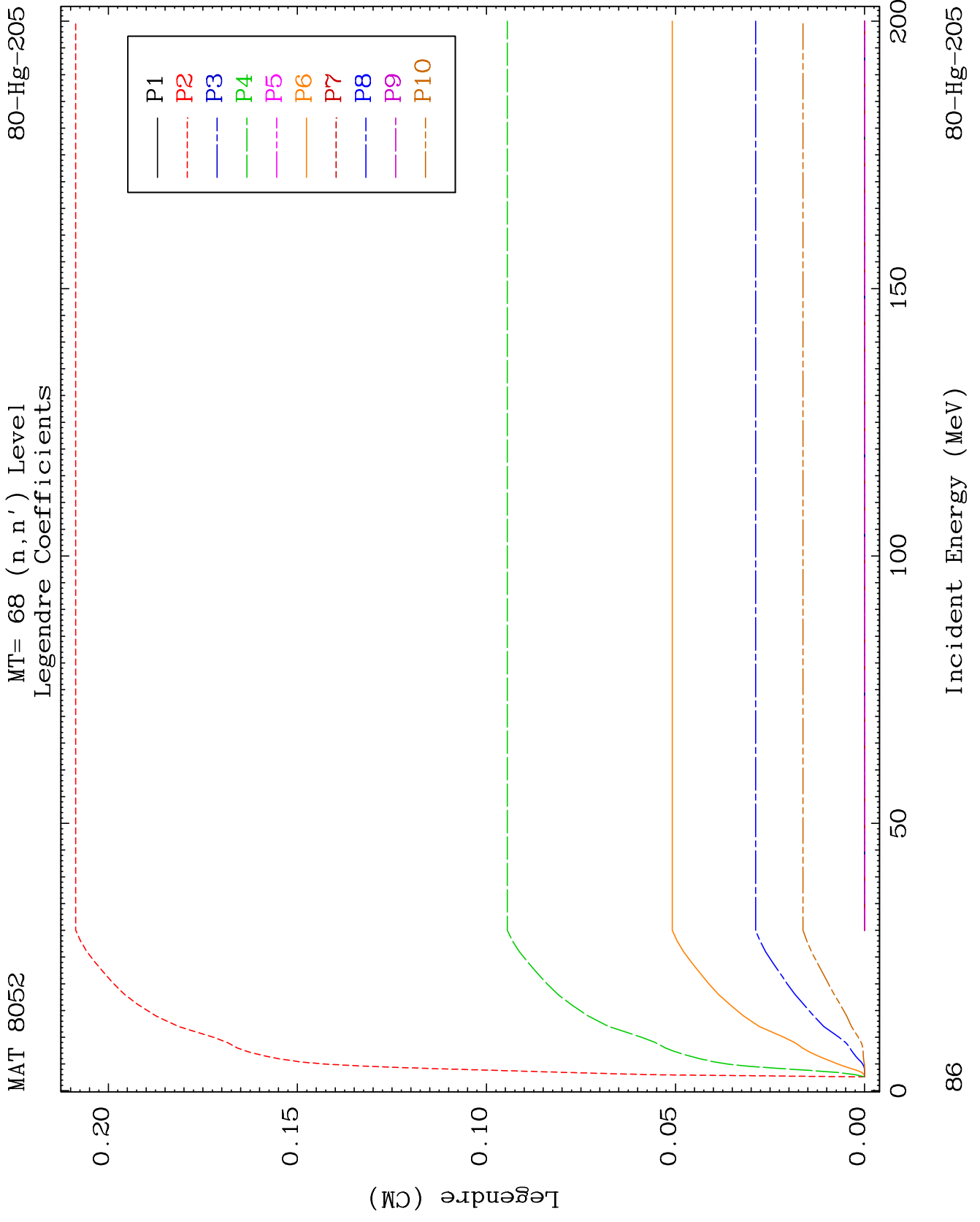


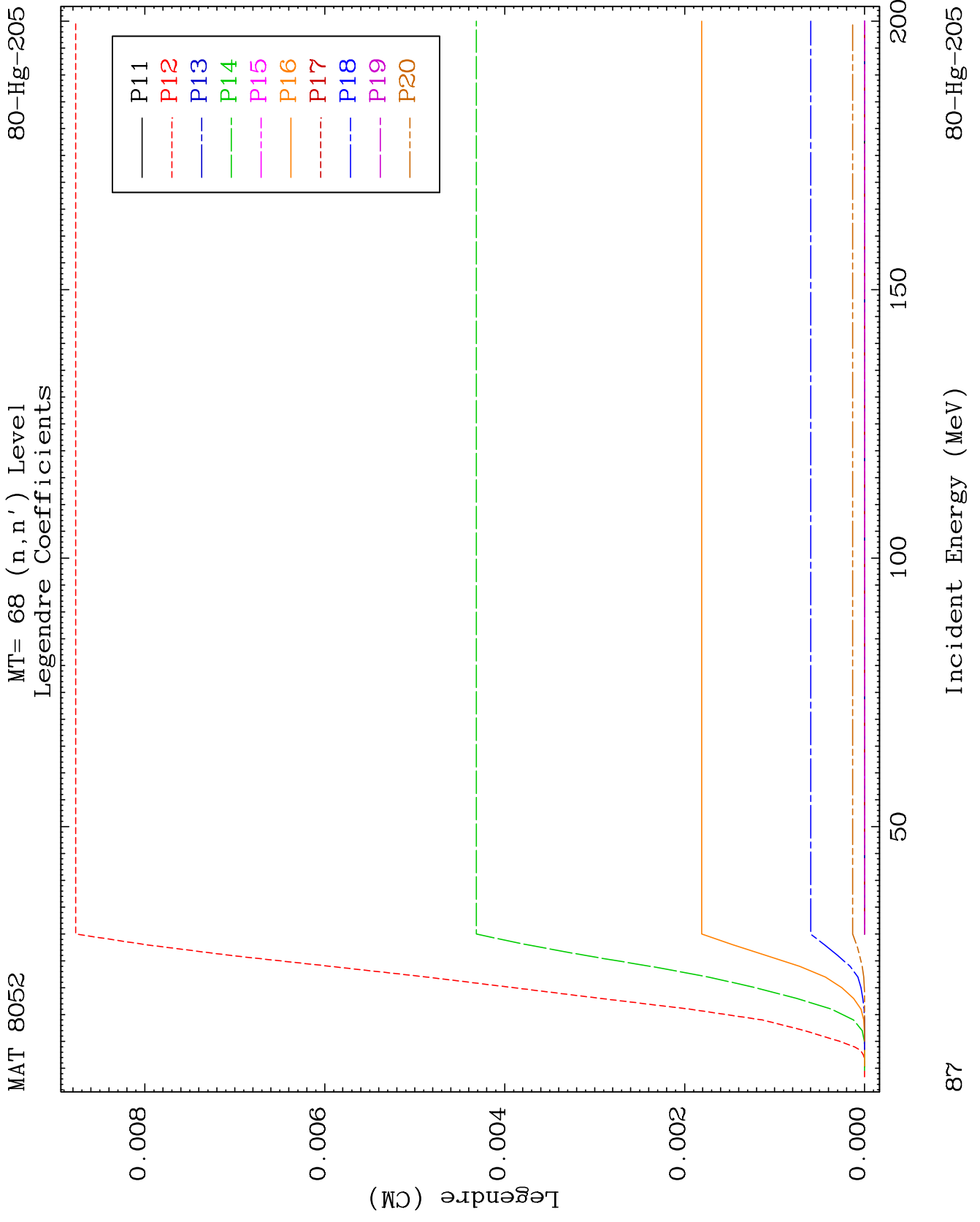
84

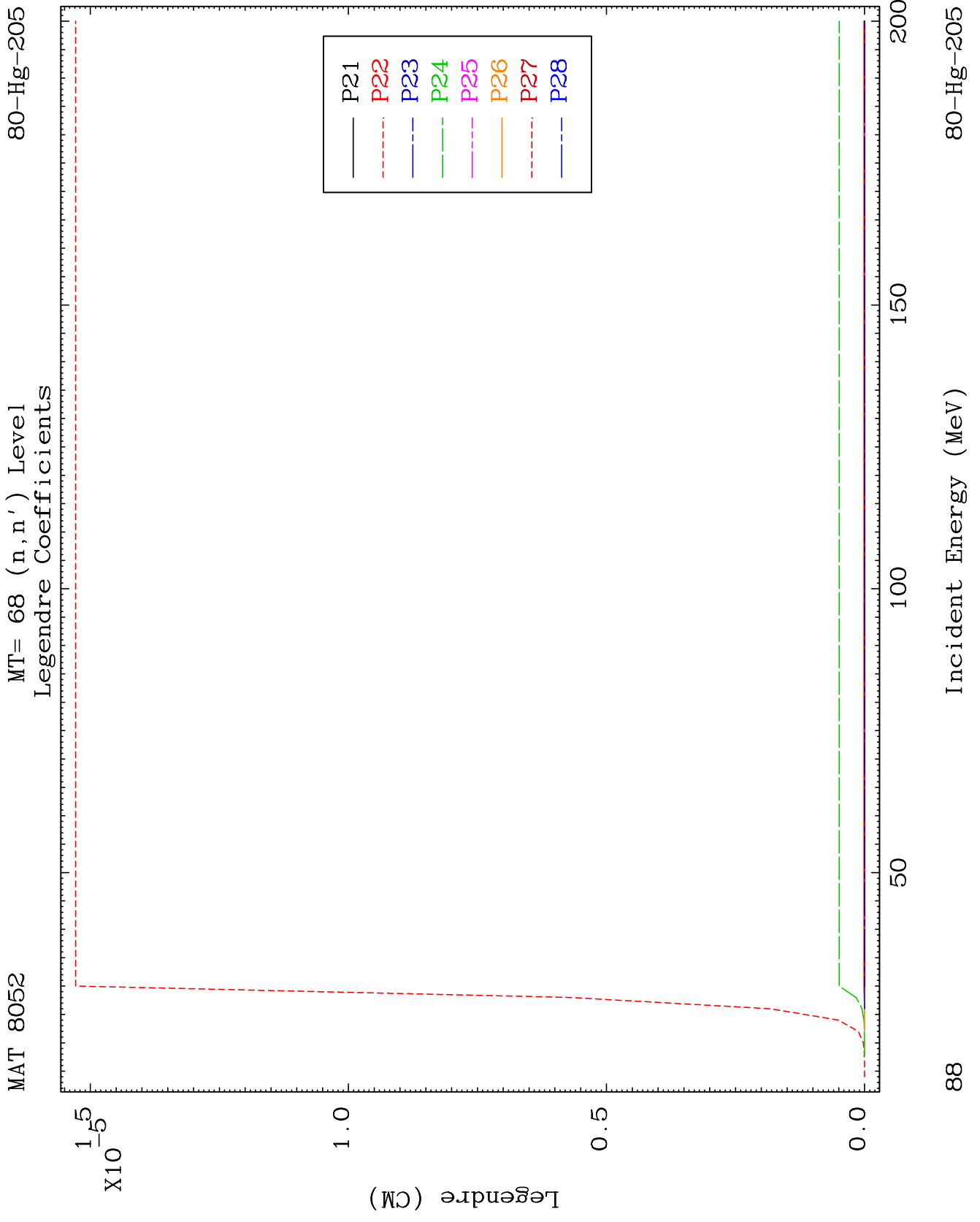
Incident Energy (MeV)

80-Hg-205





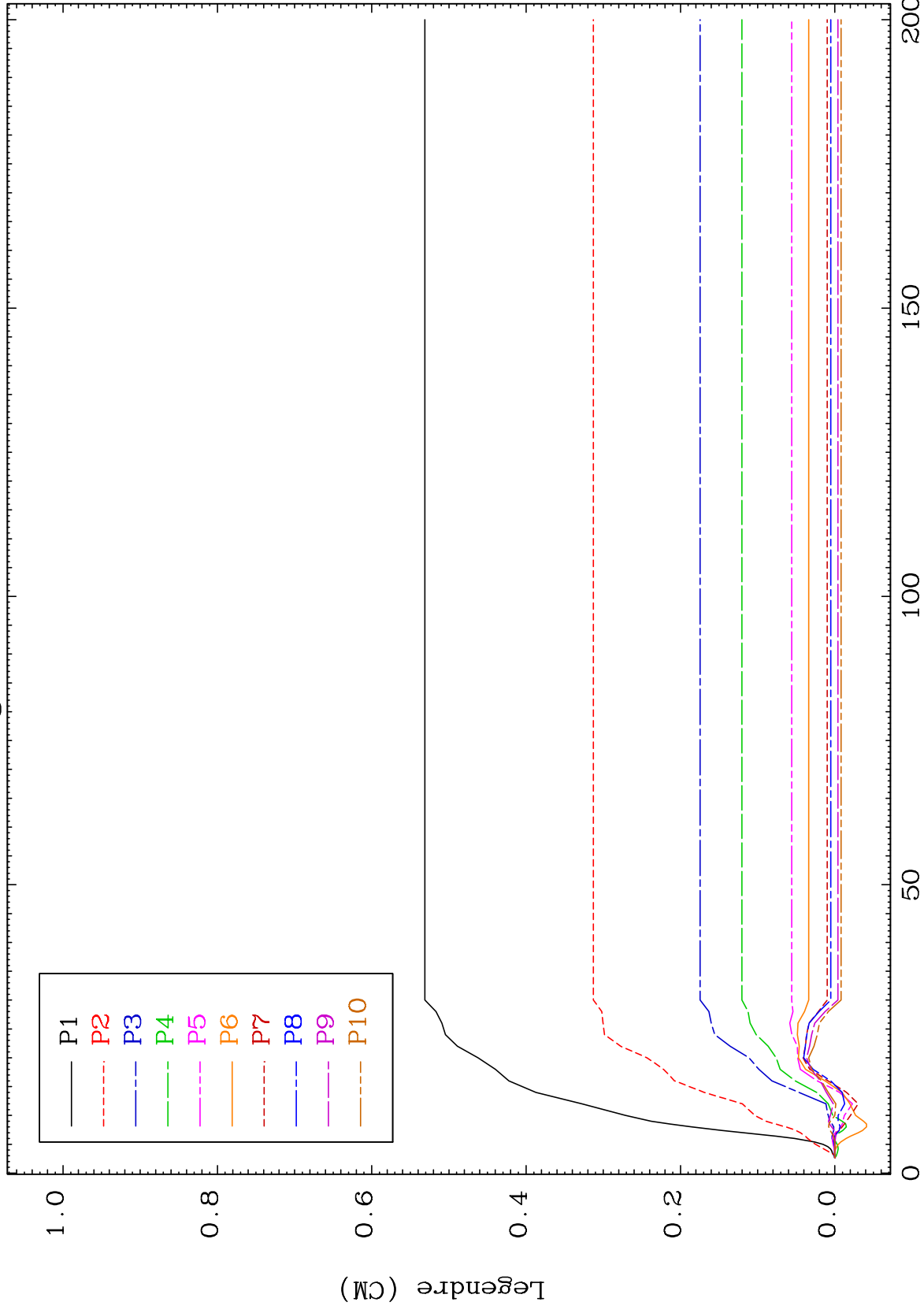




MAT 8052

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

80-Hg-205



89

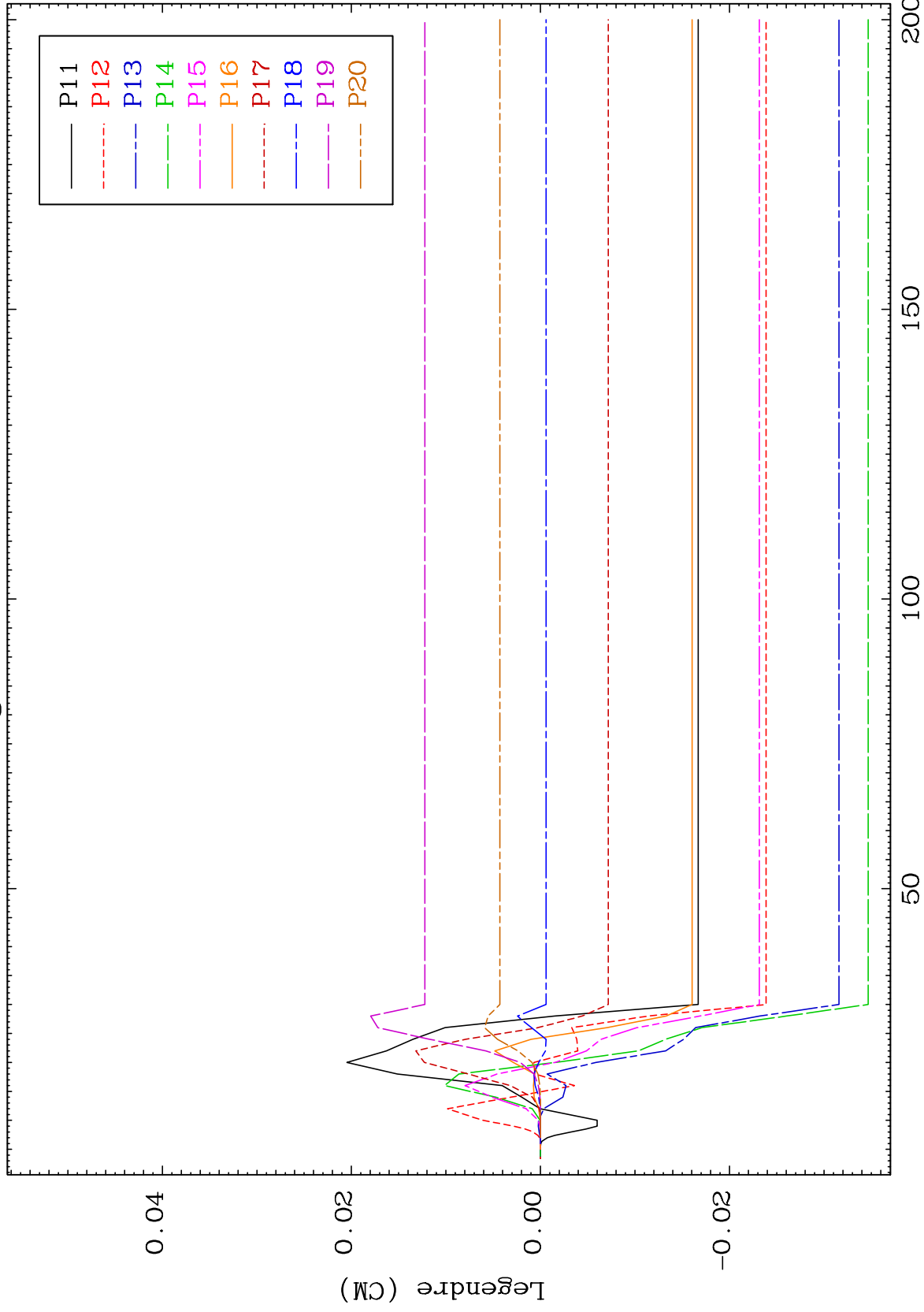
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



90

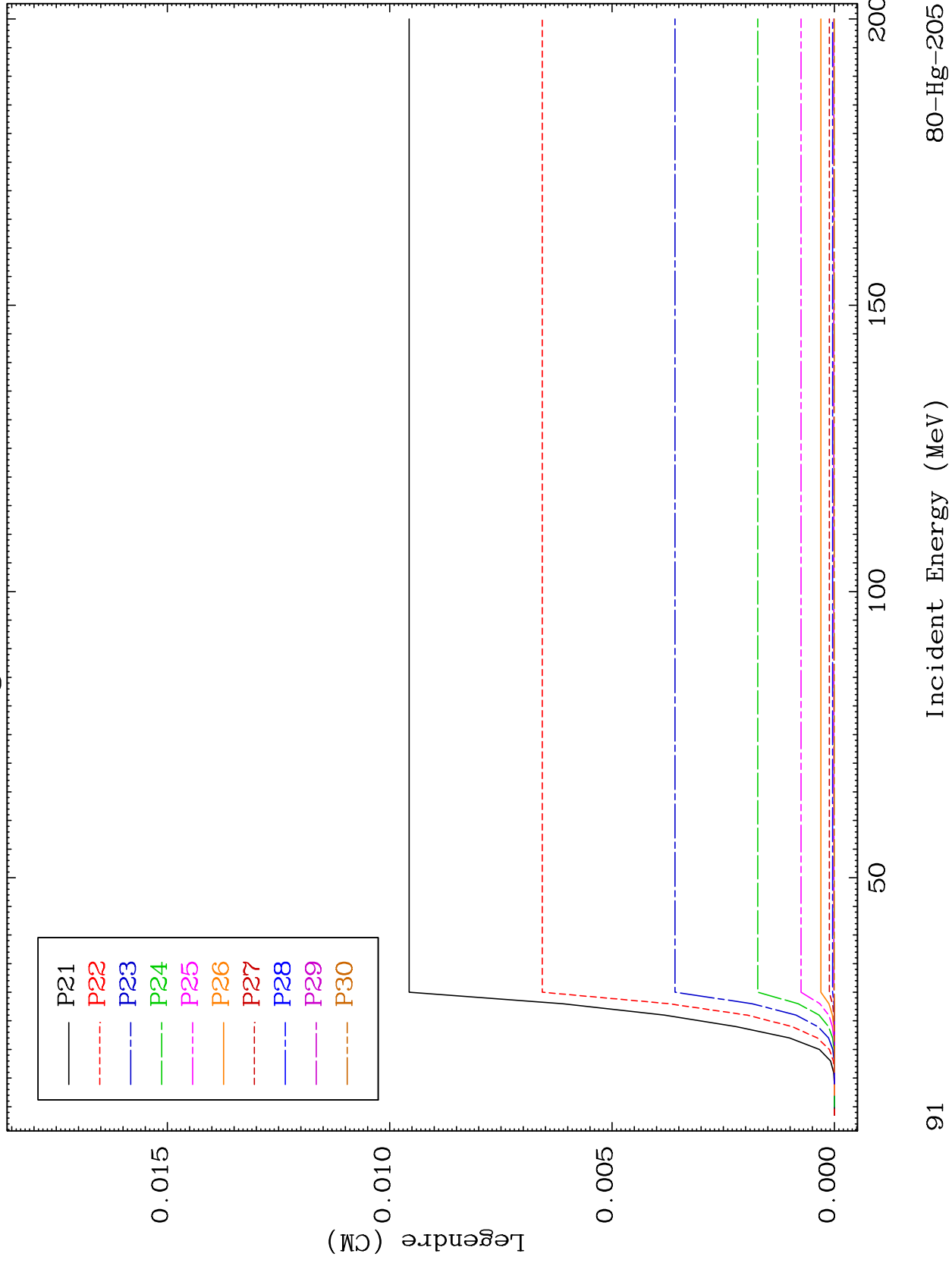
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

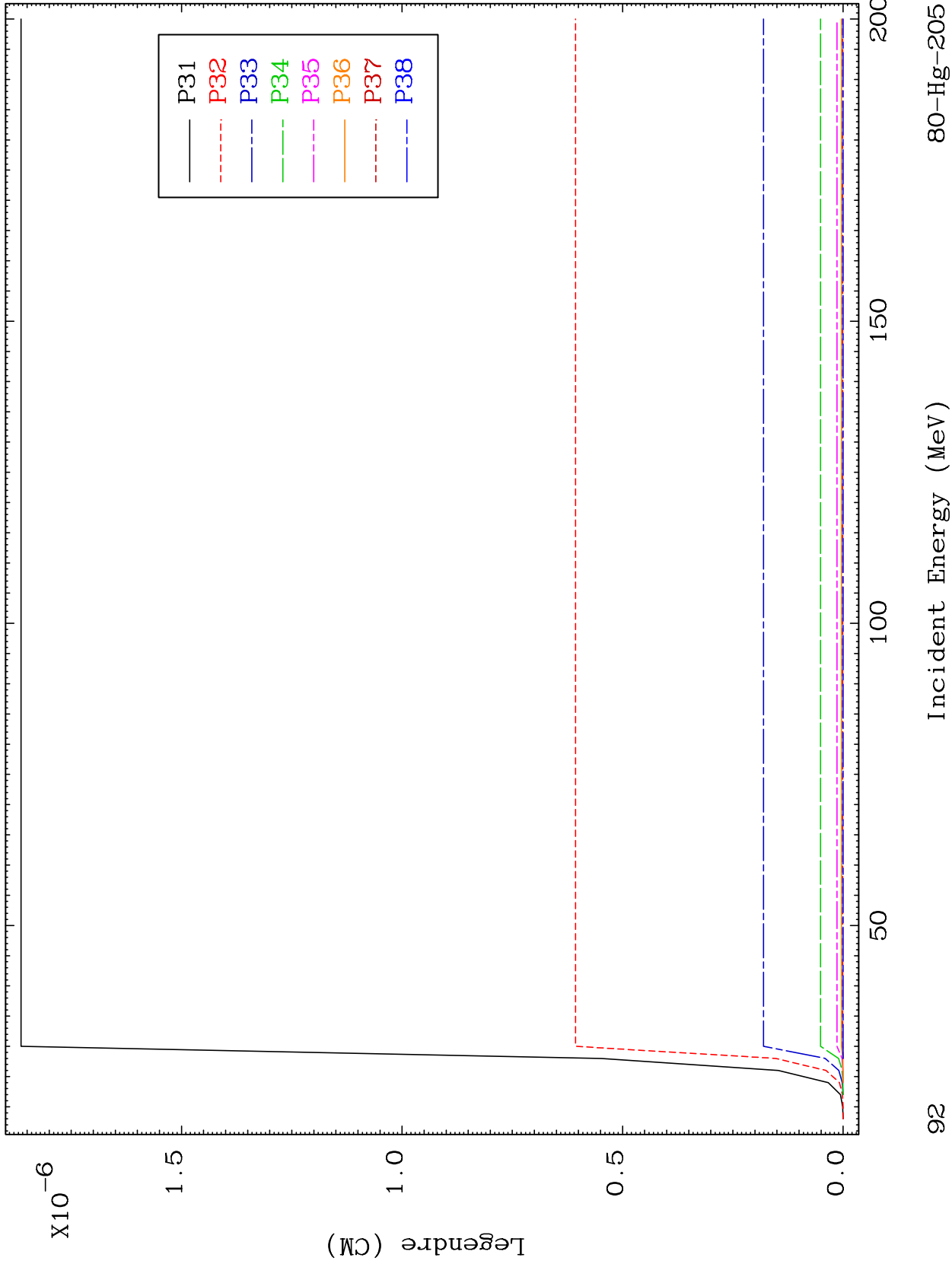
80-Hg-205



MAT 8052

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

80-Hg-205

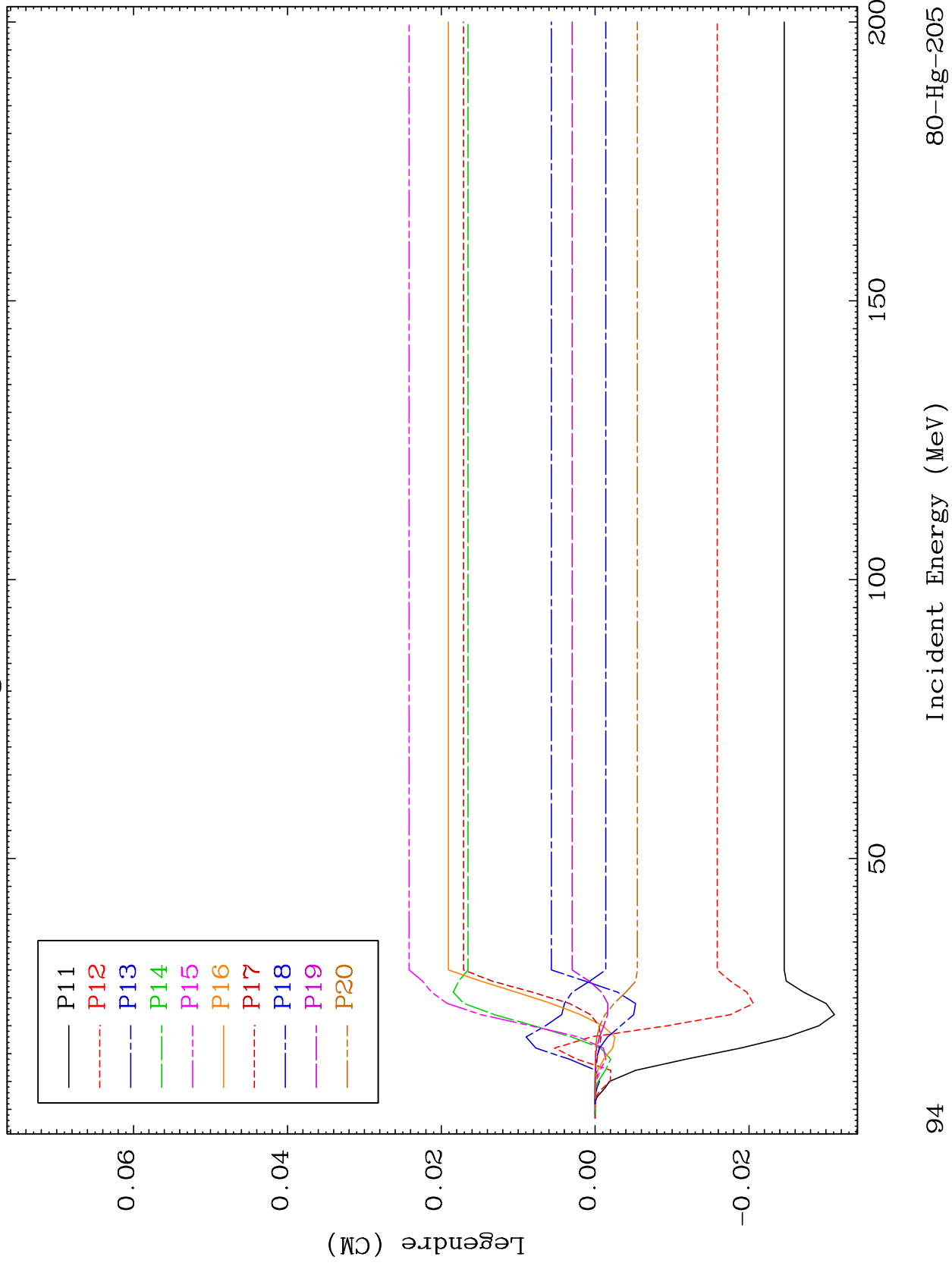


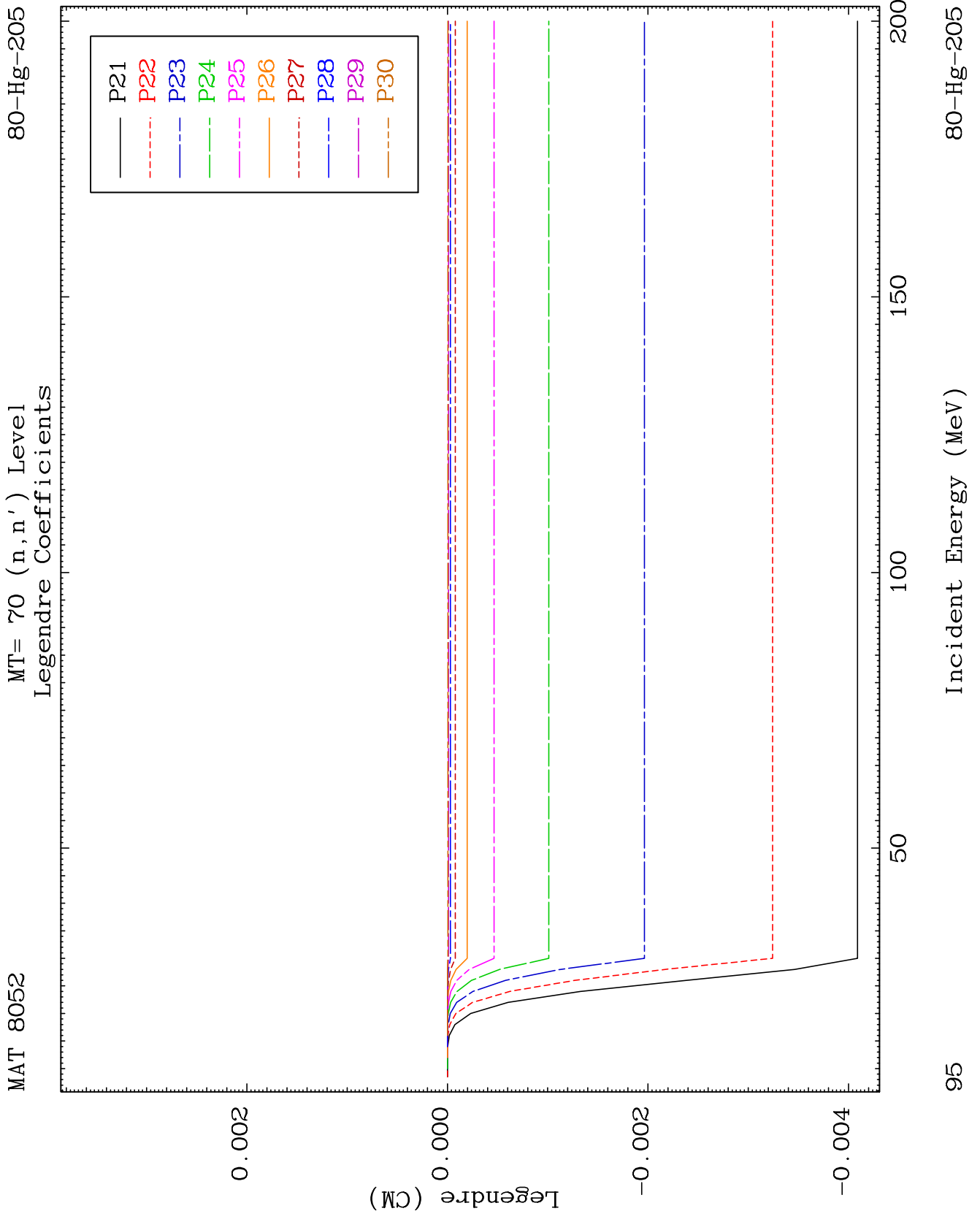
92

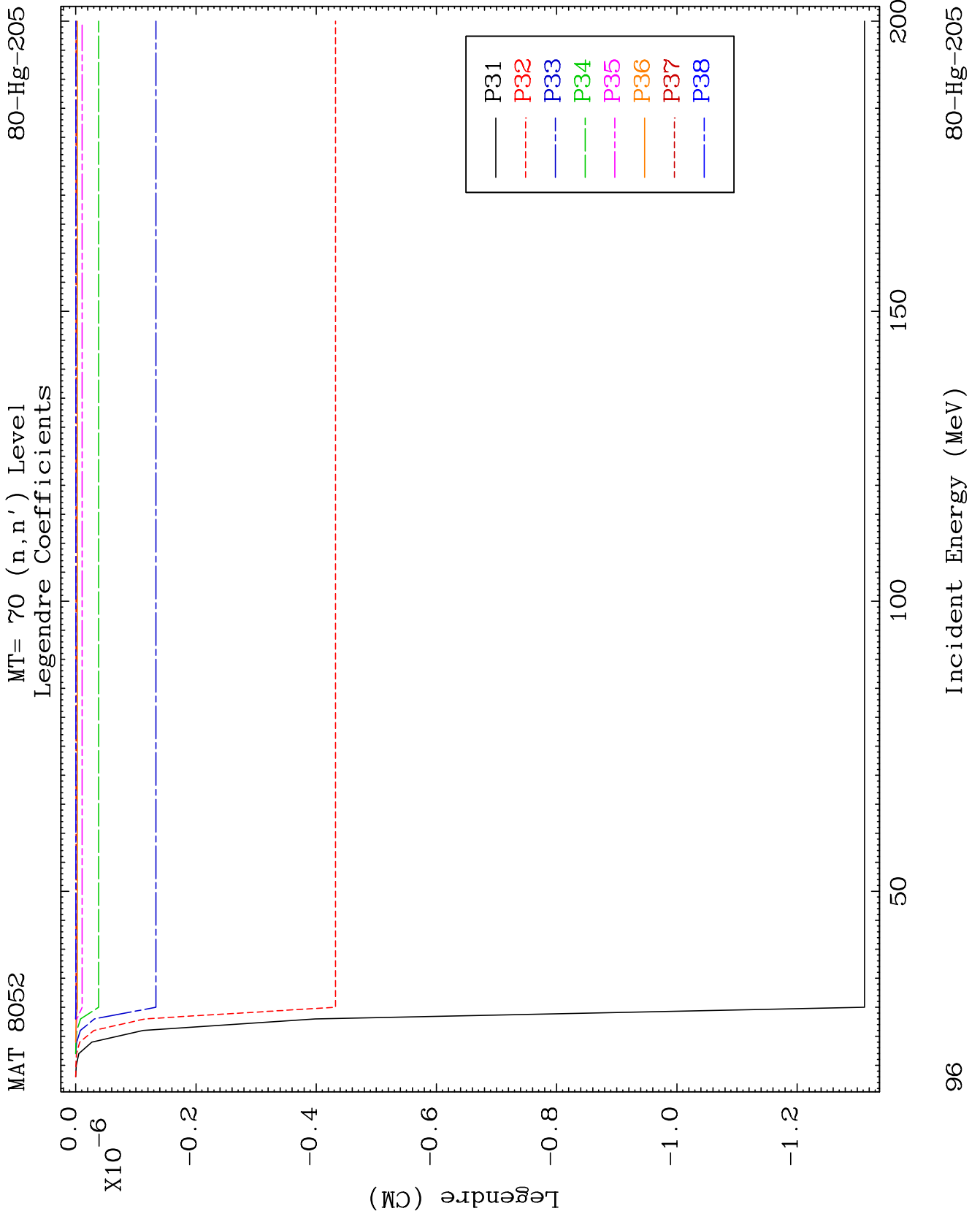
MAT 8052

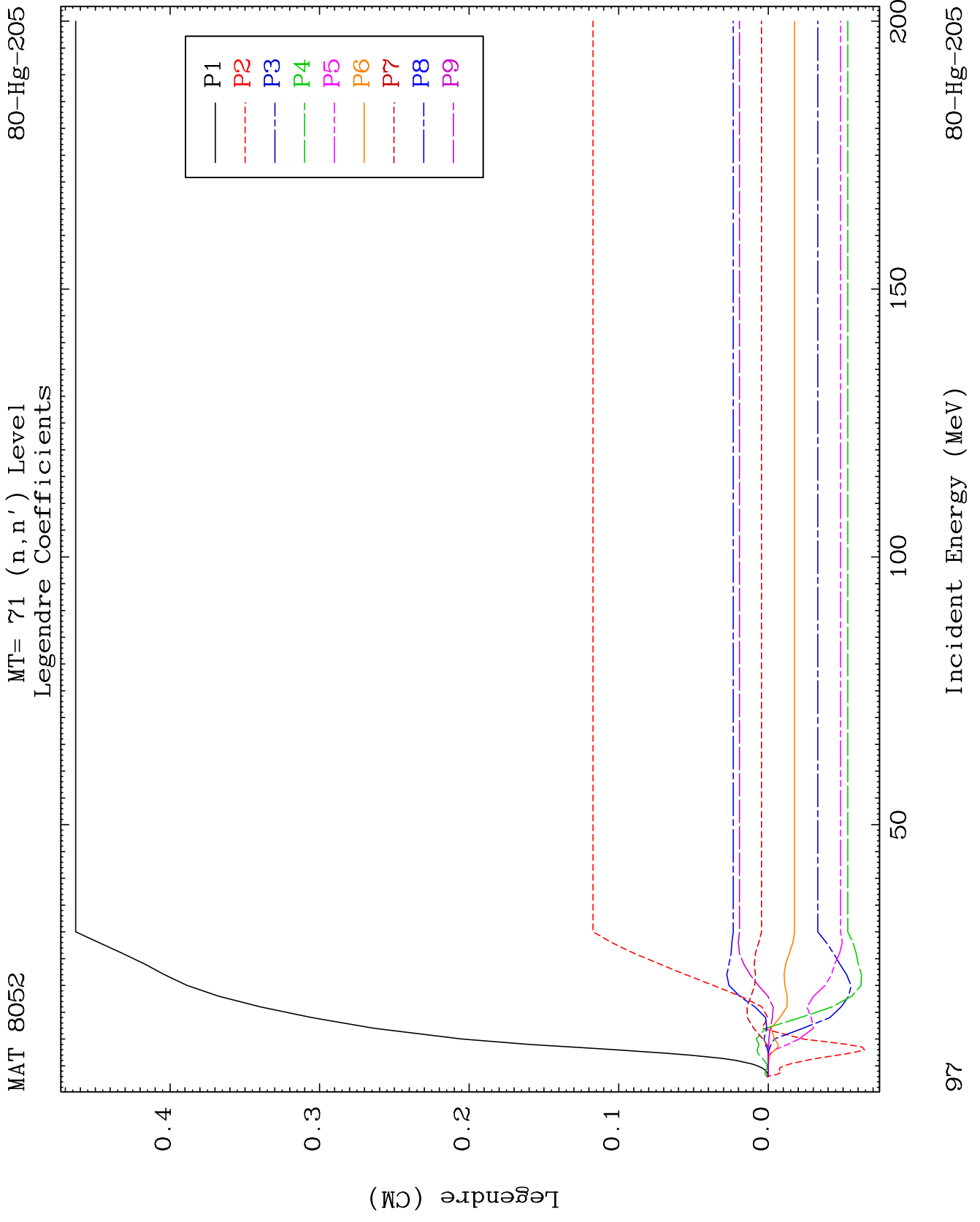
MT= 70 (n,n') Level
Legendre Coefficients

80-Hg-205





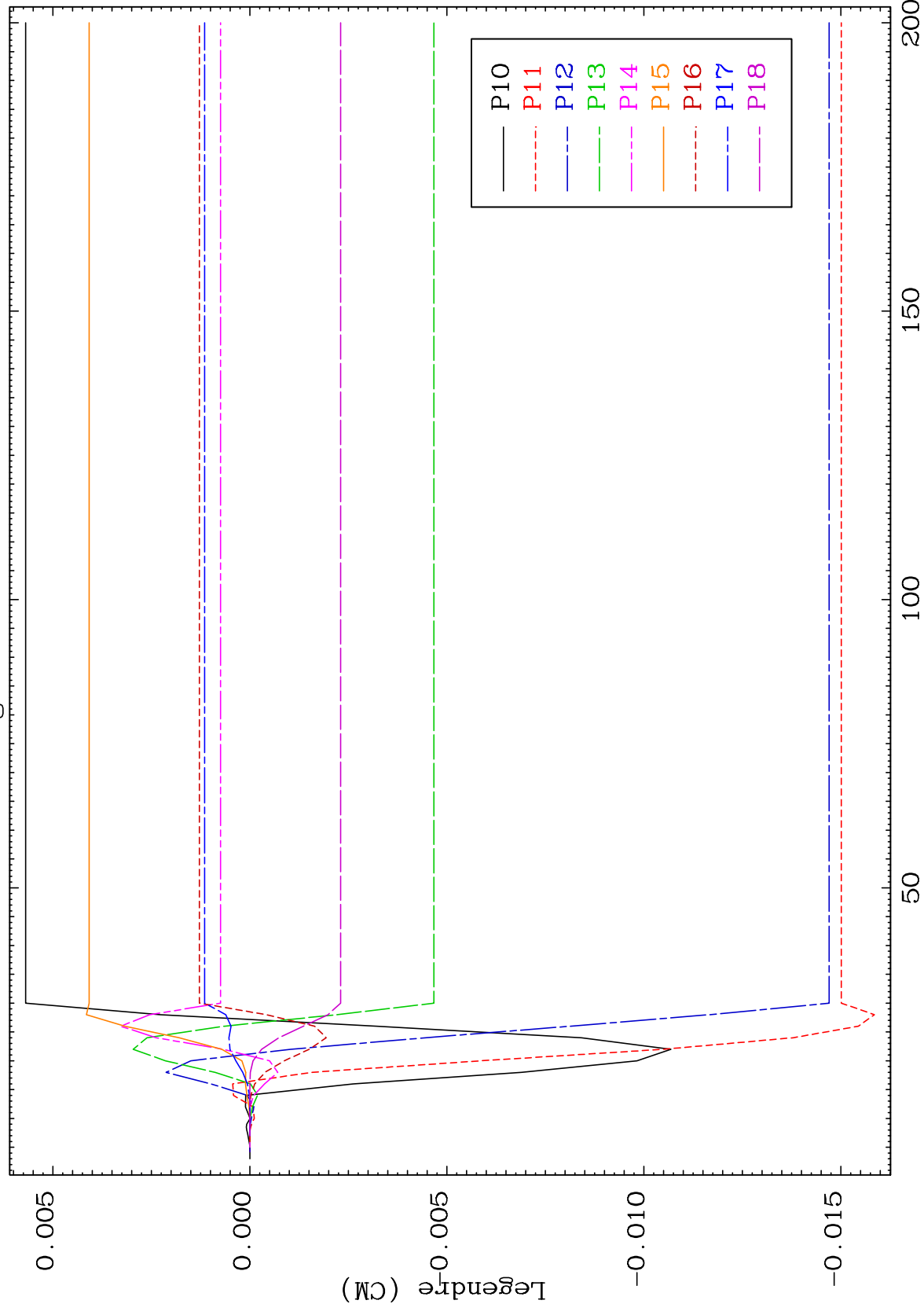




MAT 8052

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

80-Hg-205



98

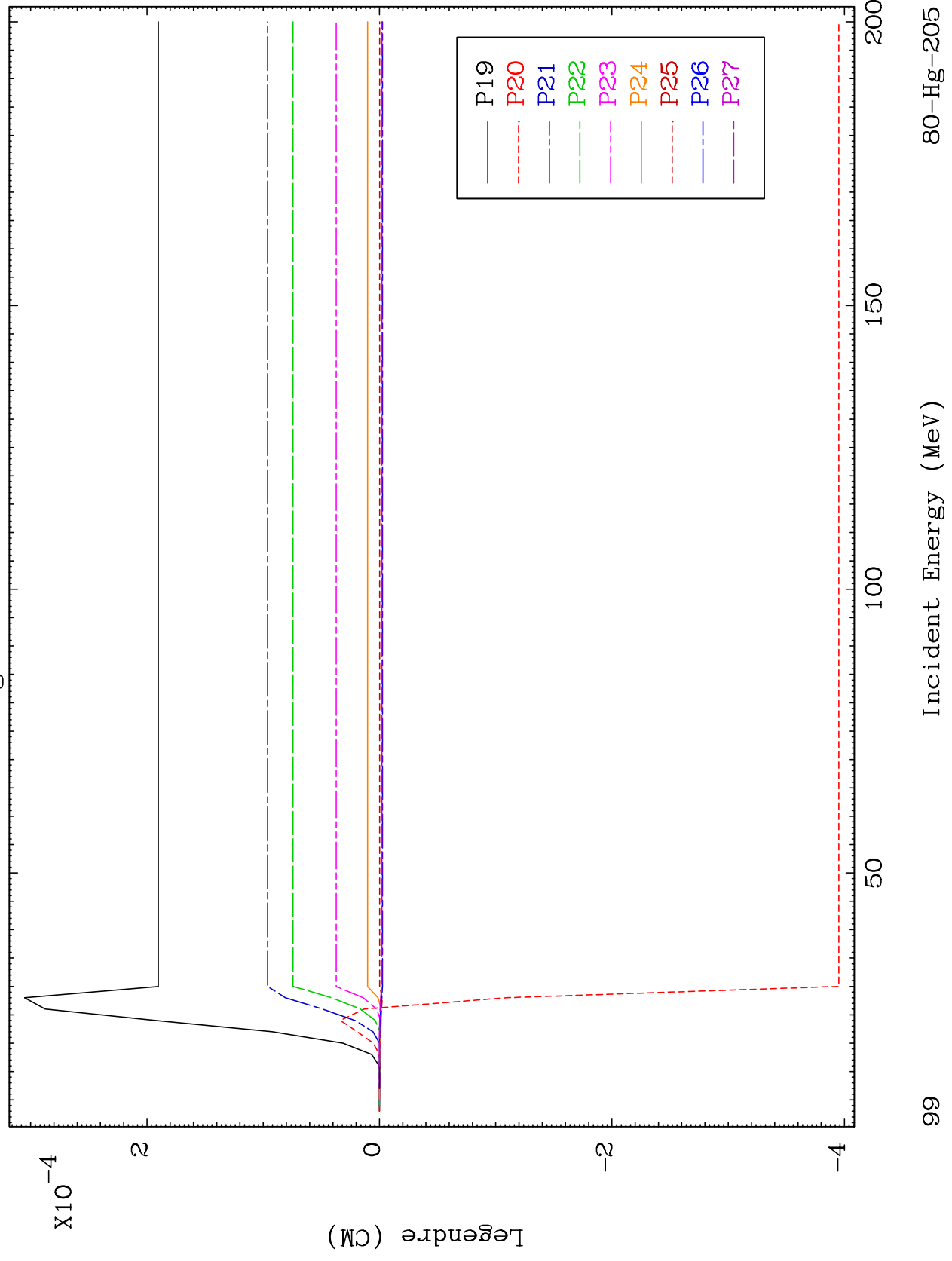
Incident Energy (MeV)

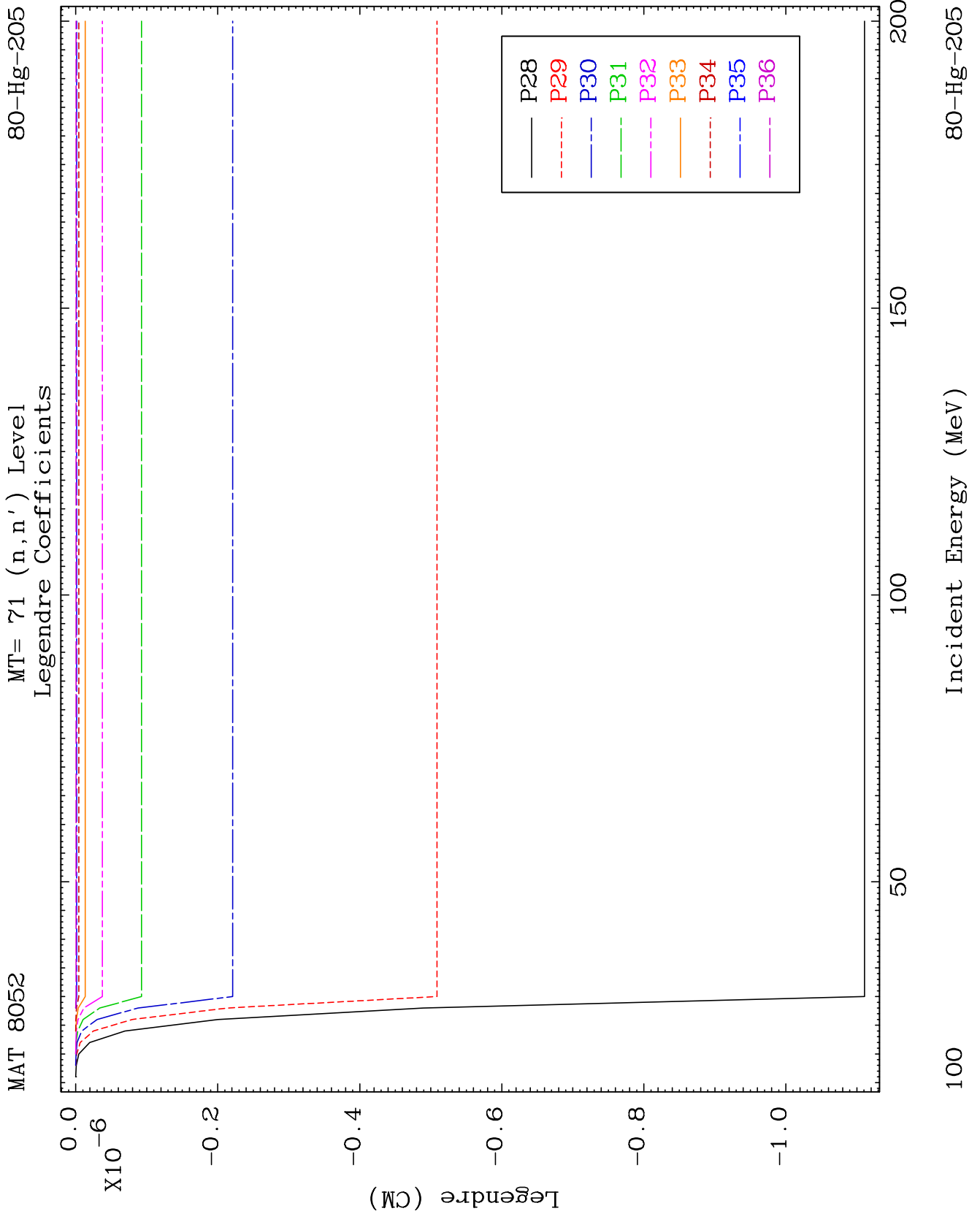
80-Hg-205

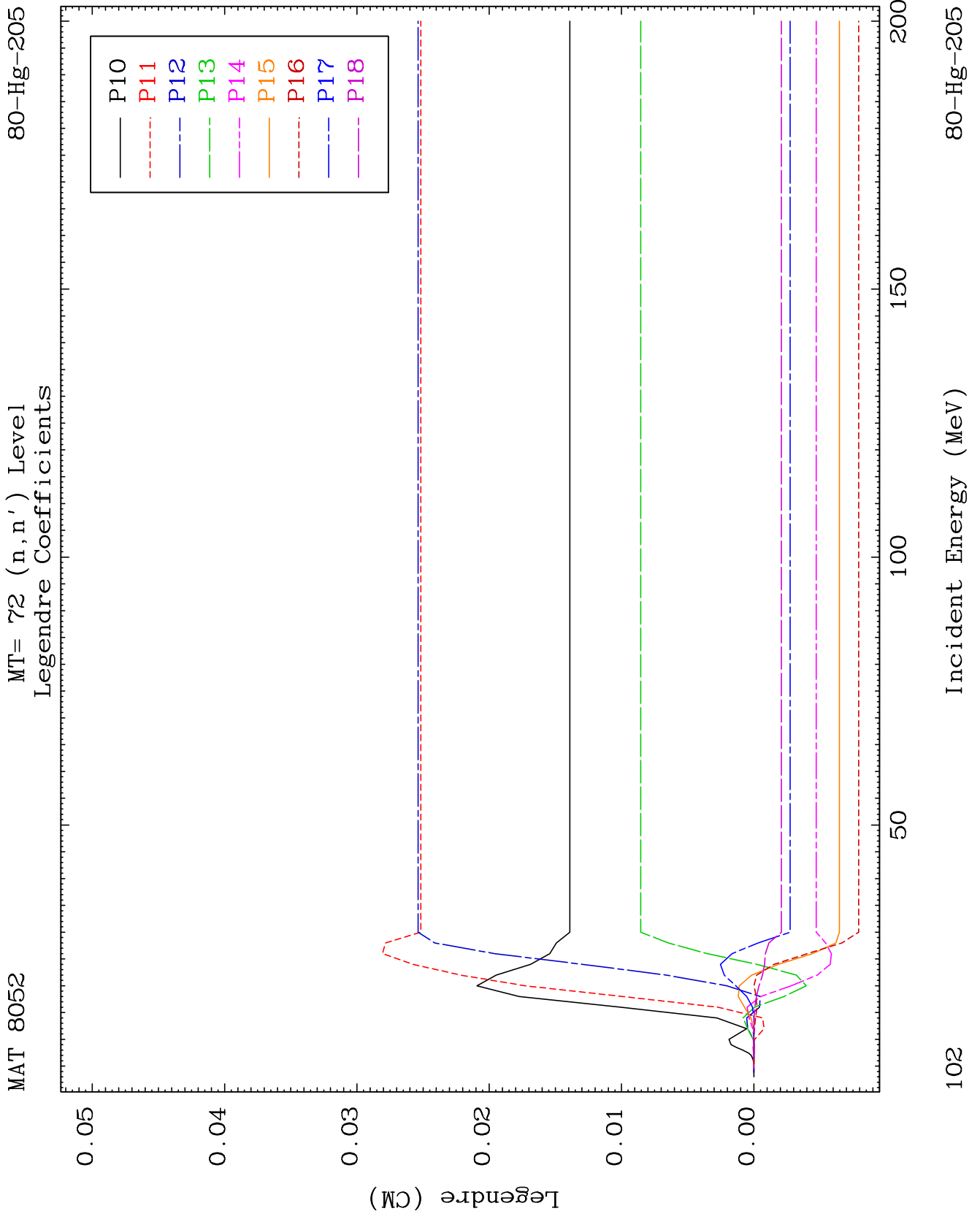
MAT 8052

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

80-Hg-205



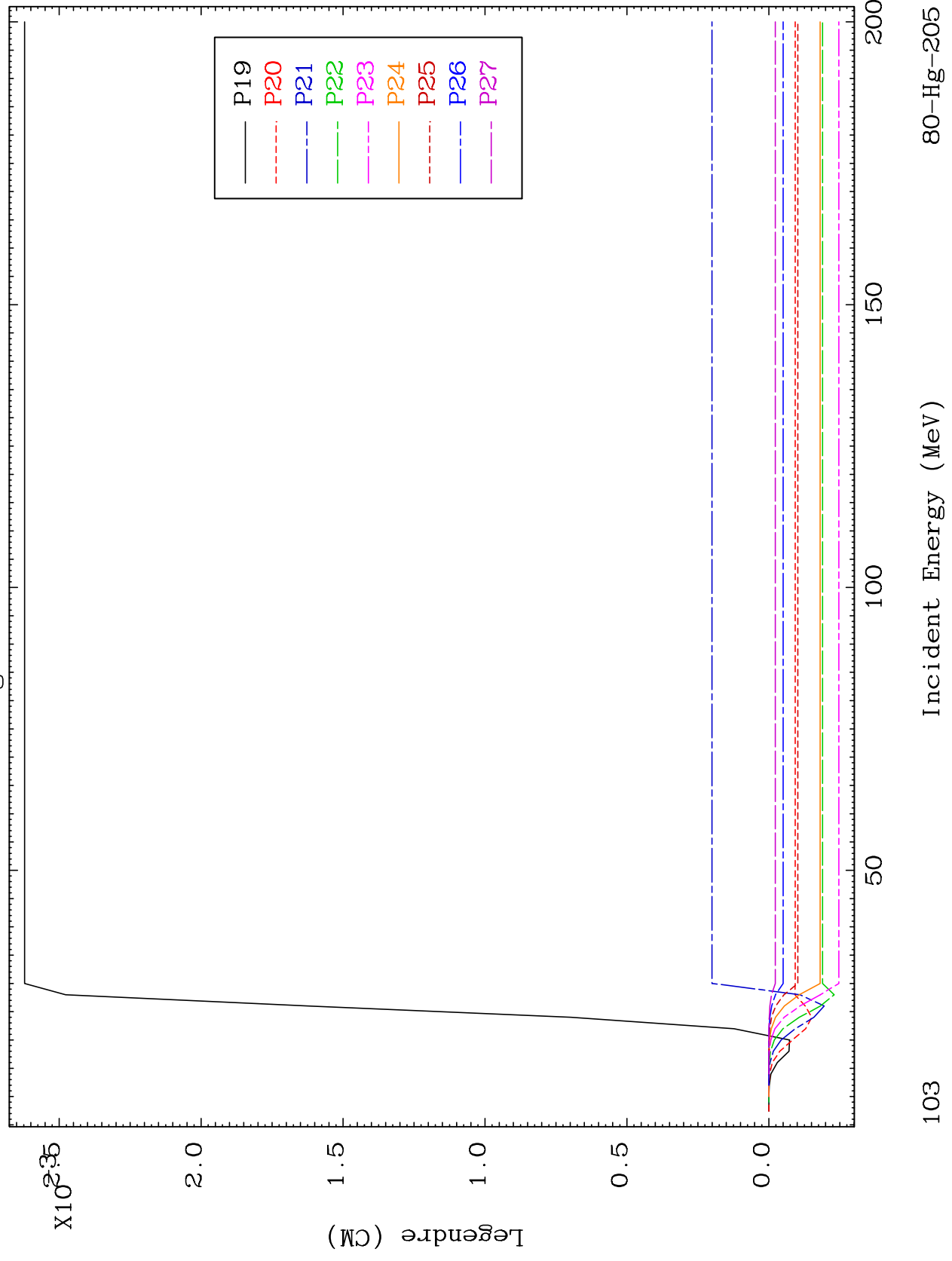


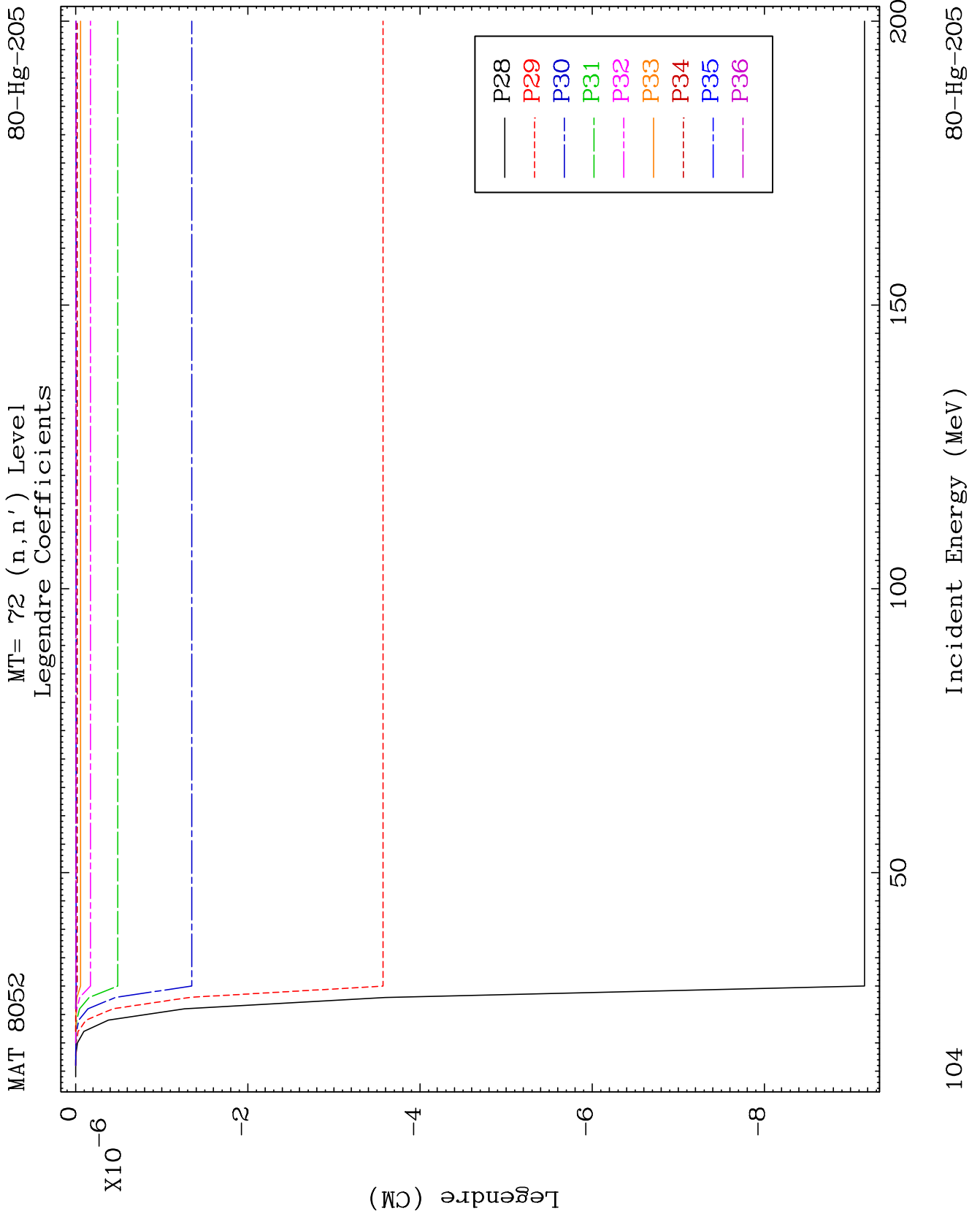


MAT 8052

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

80-Hg-205

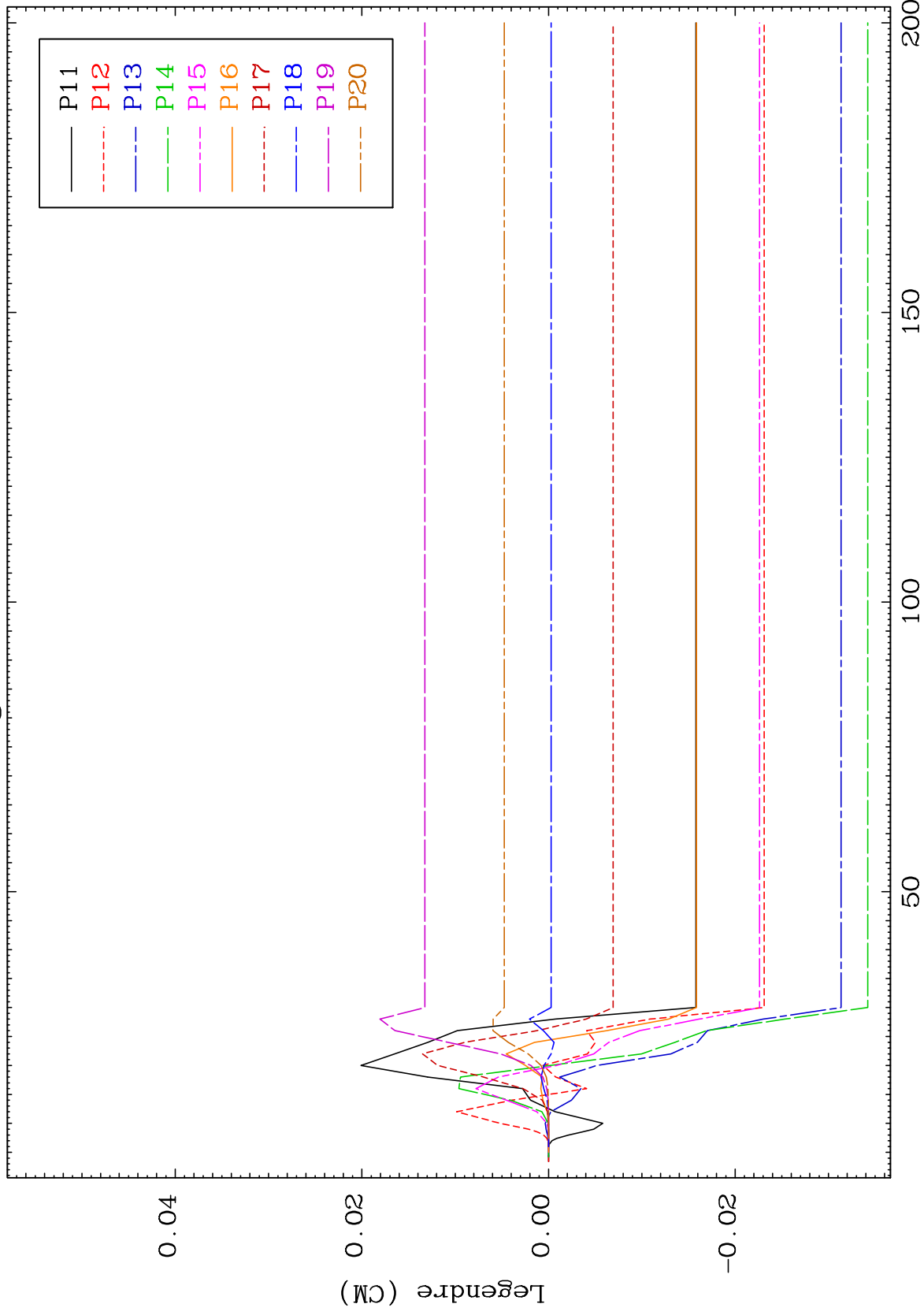




MAT 8052

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

80-Hg-205



106

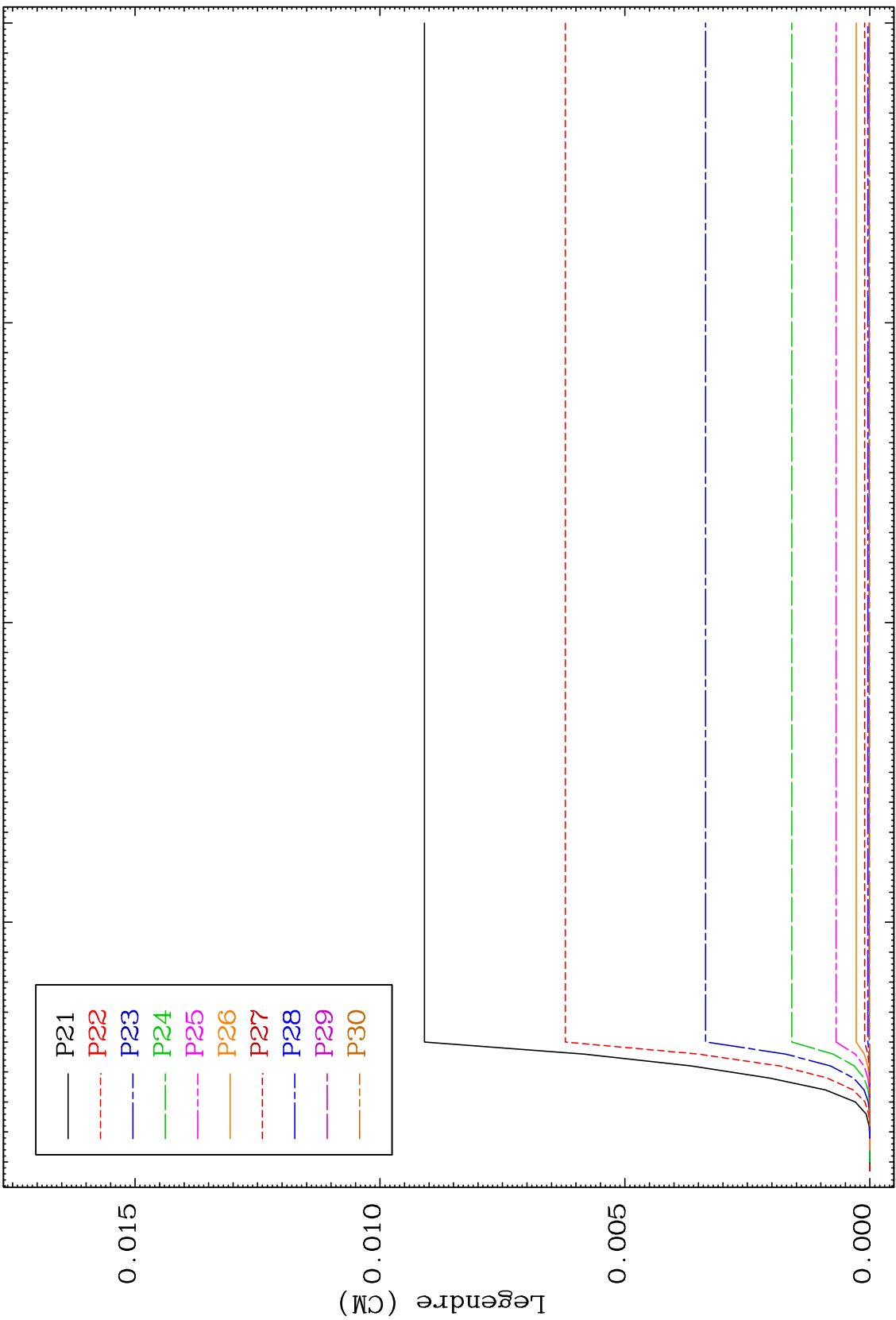
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



107

Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205

$\times 10^{-6}$
1.5

Legendre (CM)

0.5

0.0

50

100

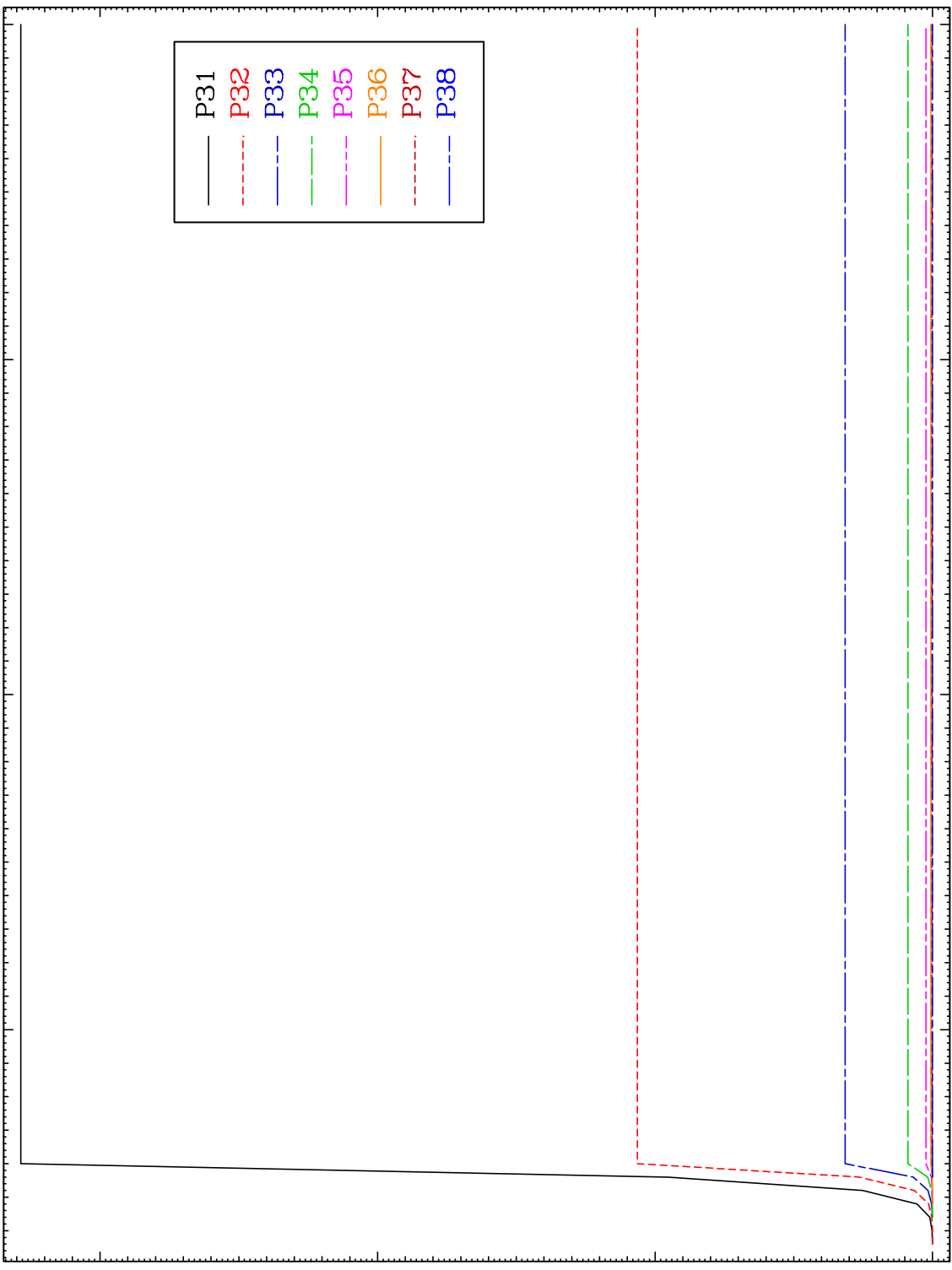
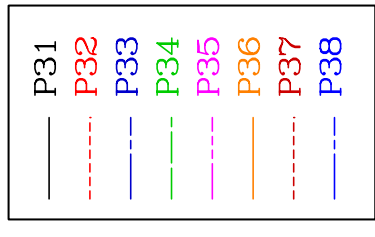
150

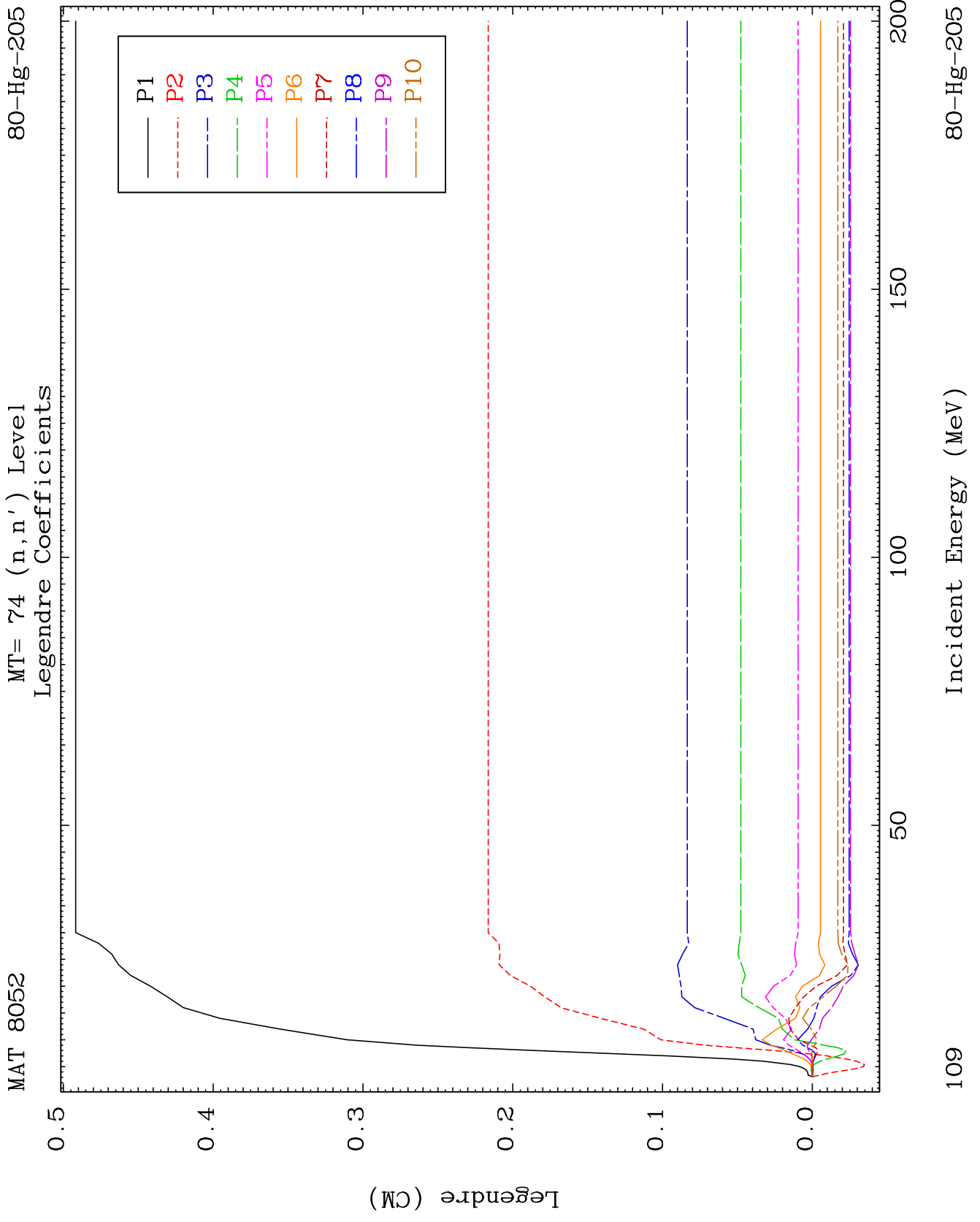
200

108

Incident Energy (MeV)

80-Hg-205

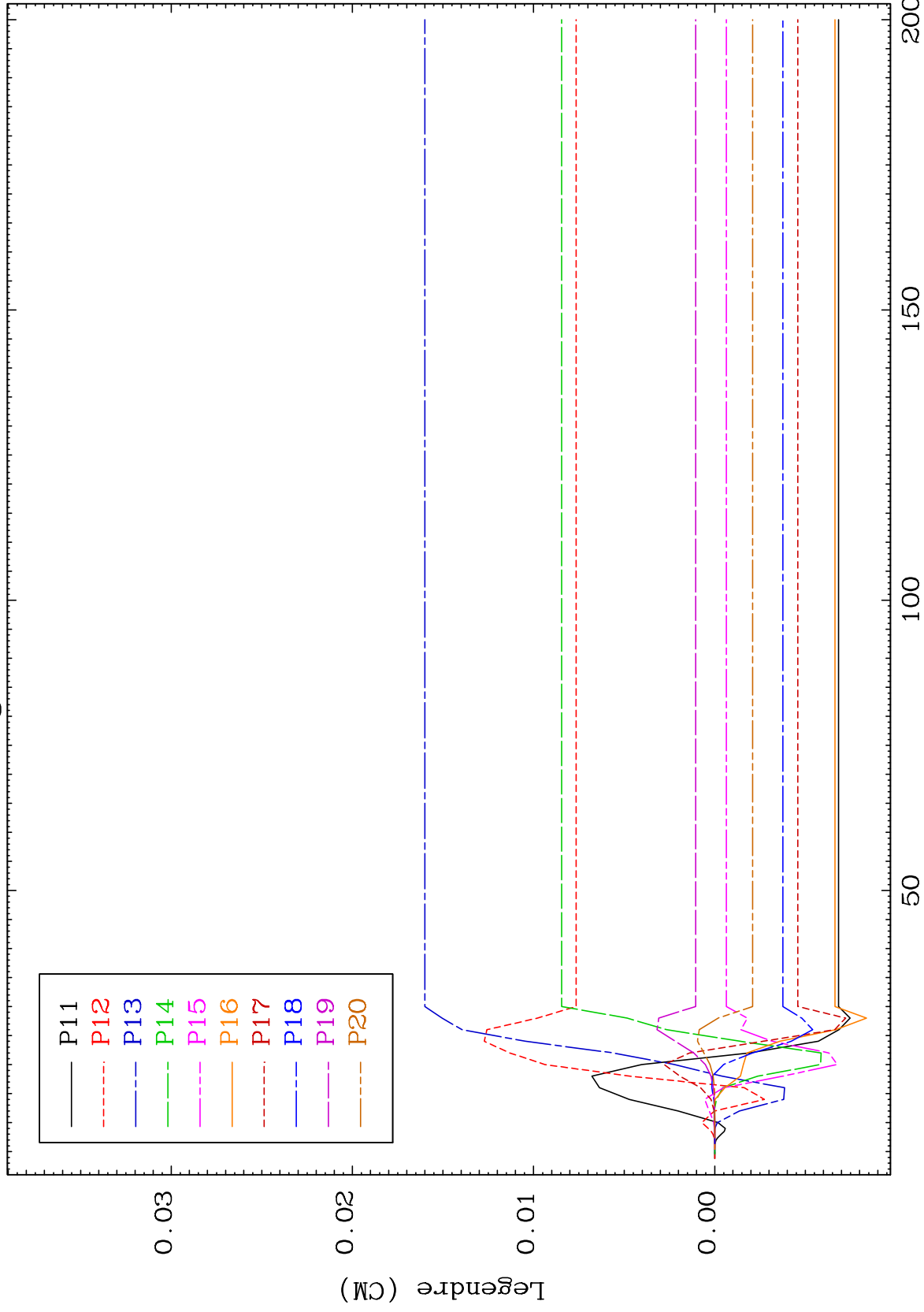




MAT 8052

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

80-Hg-205



110

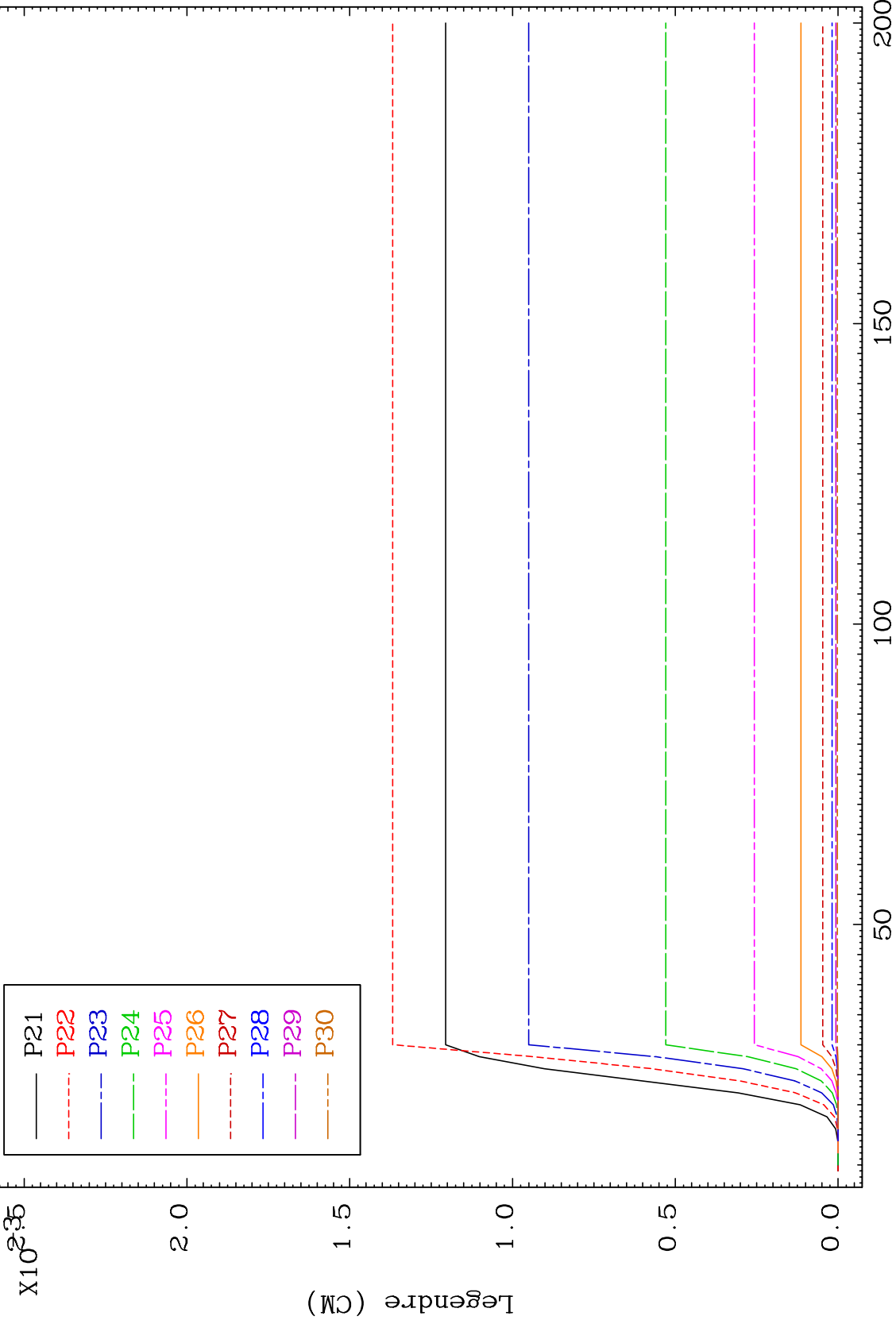
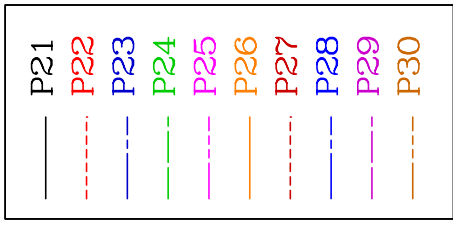
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

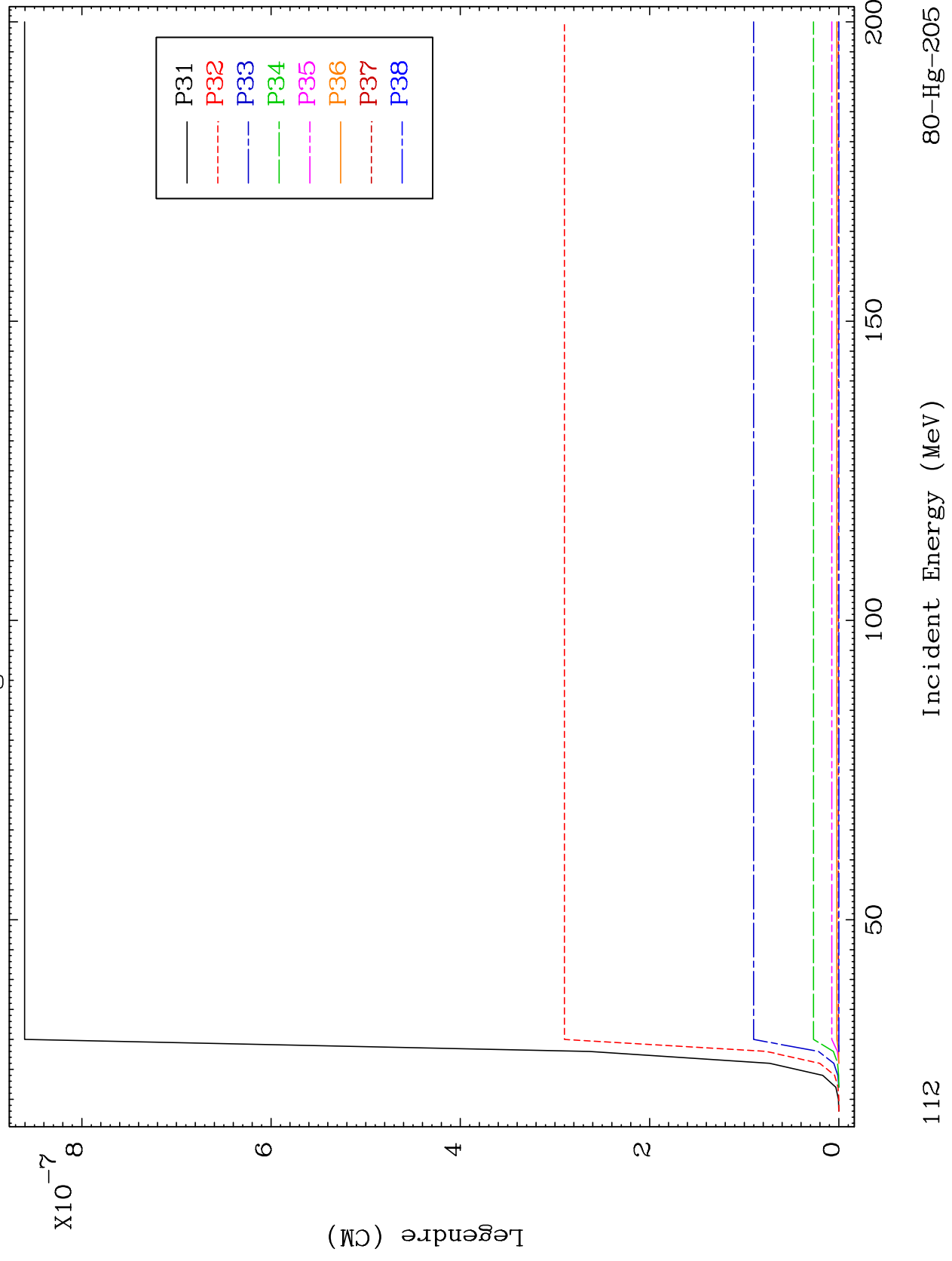
80-Hg-205



MAT 8052

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

80-Hg-205



112

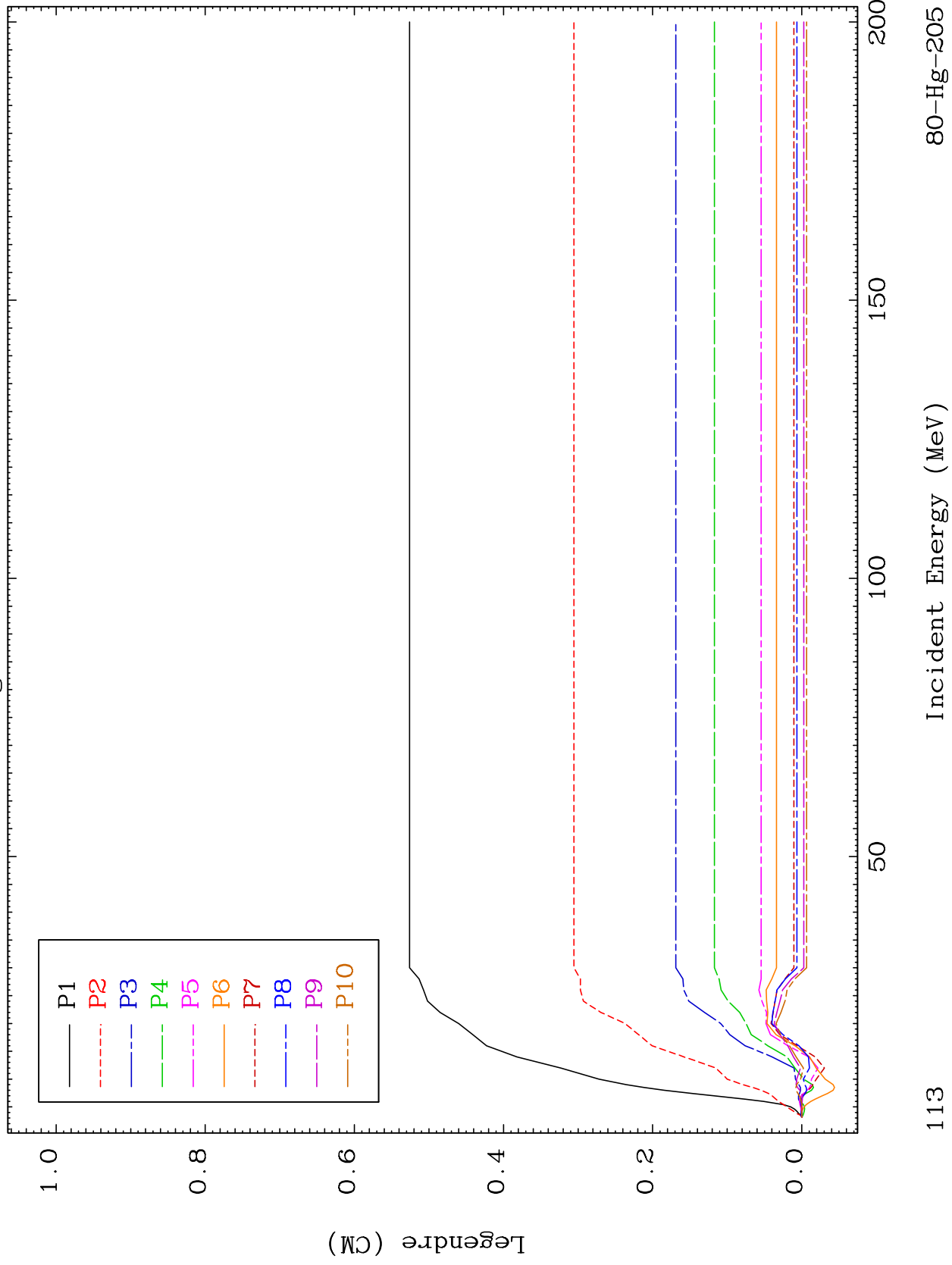
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205

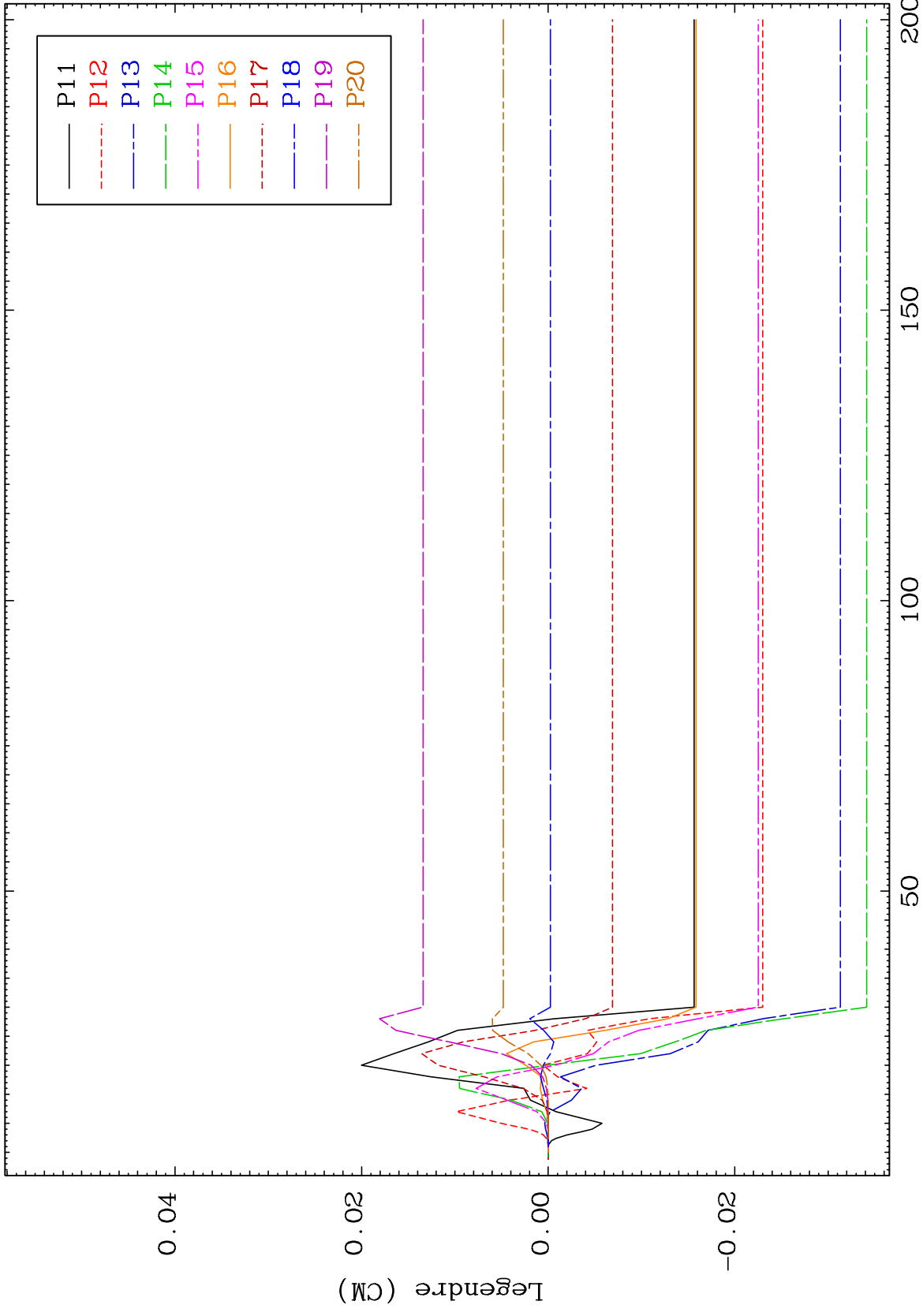


113

MAT 8052

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

80-Hg-205



114

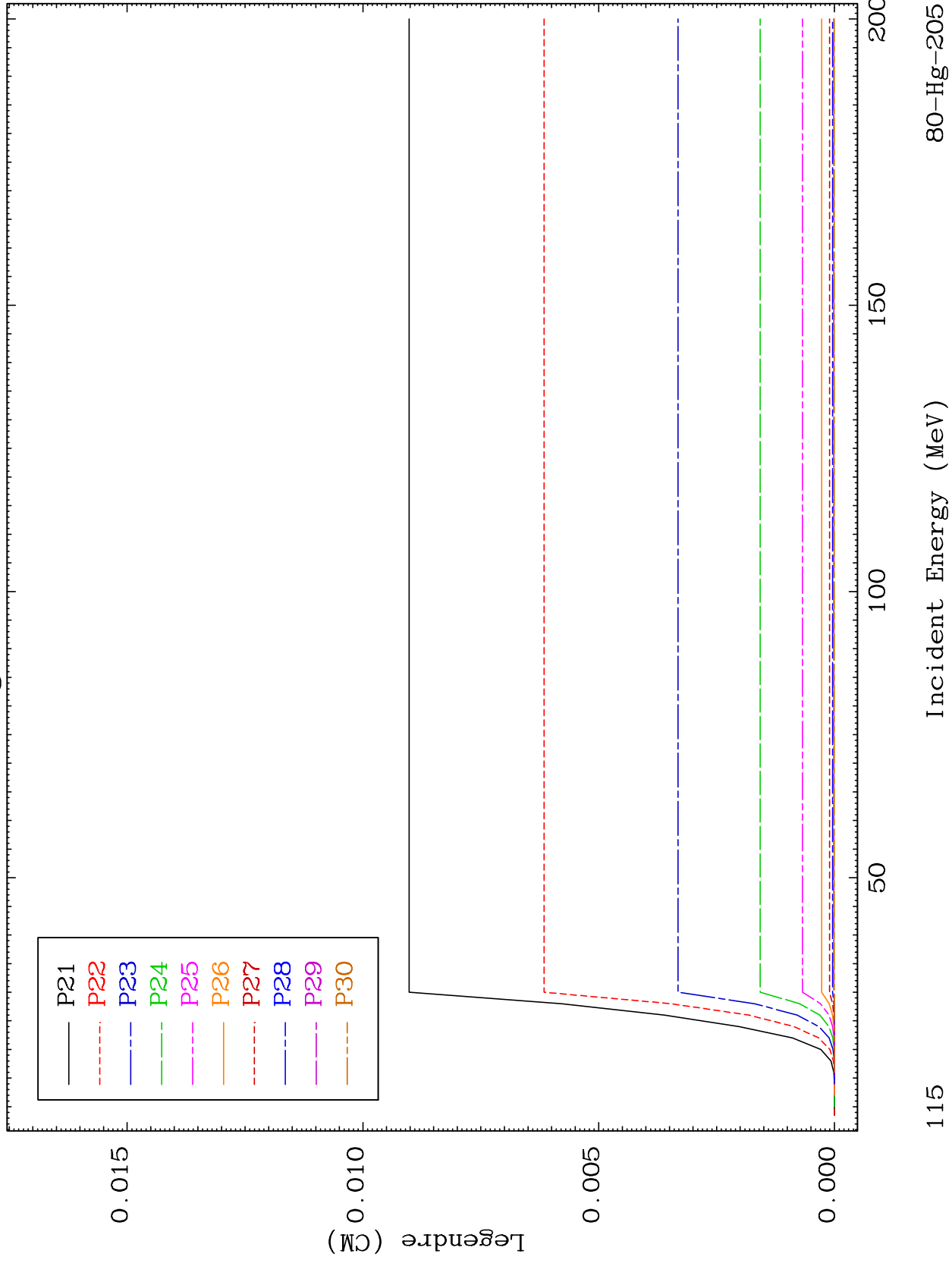
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

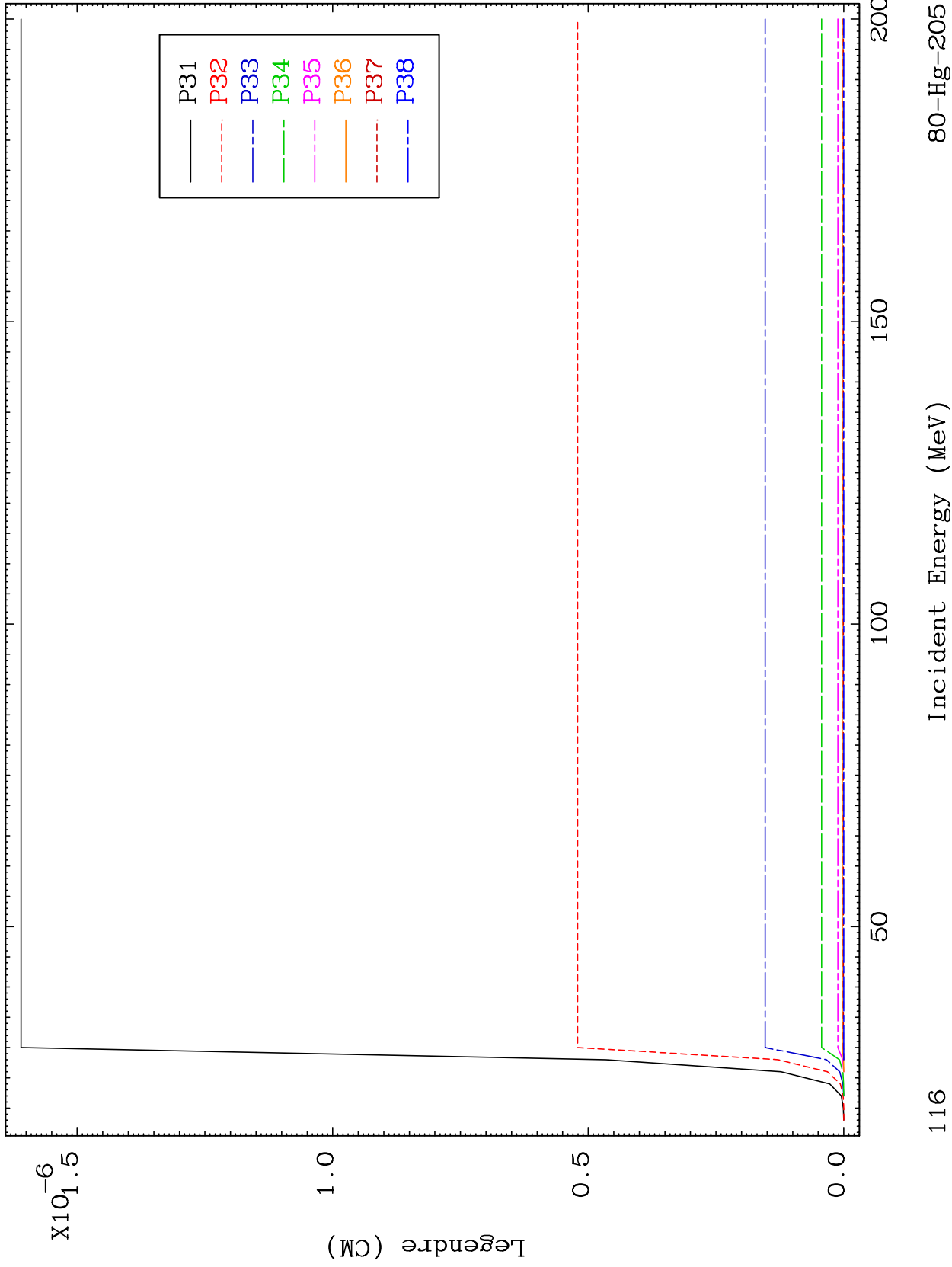
80-Hg-205

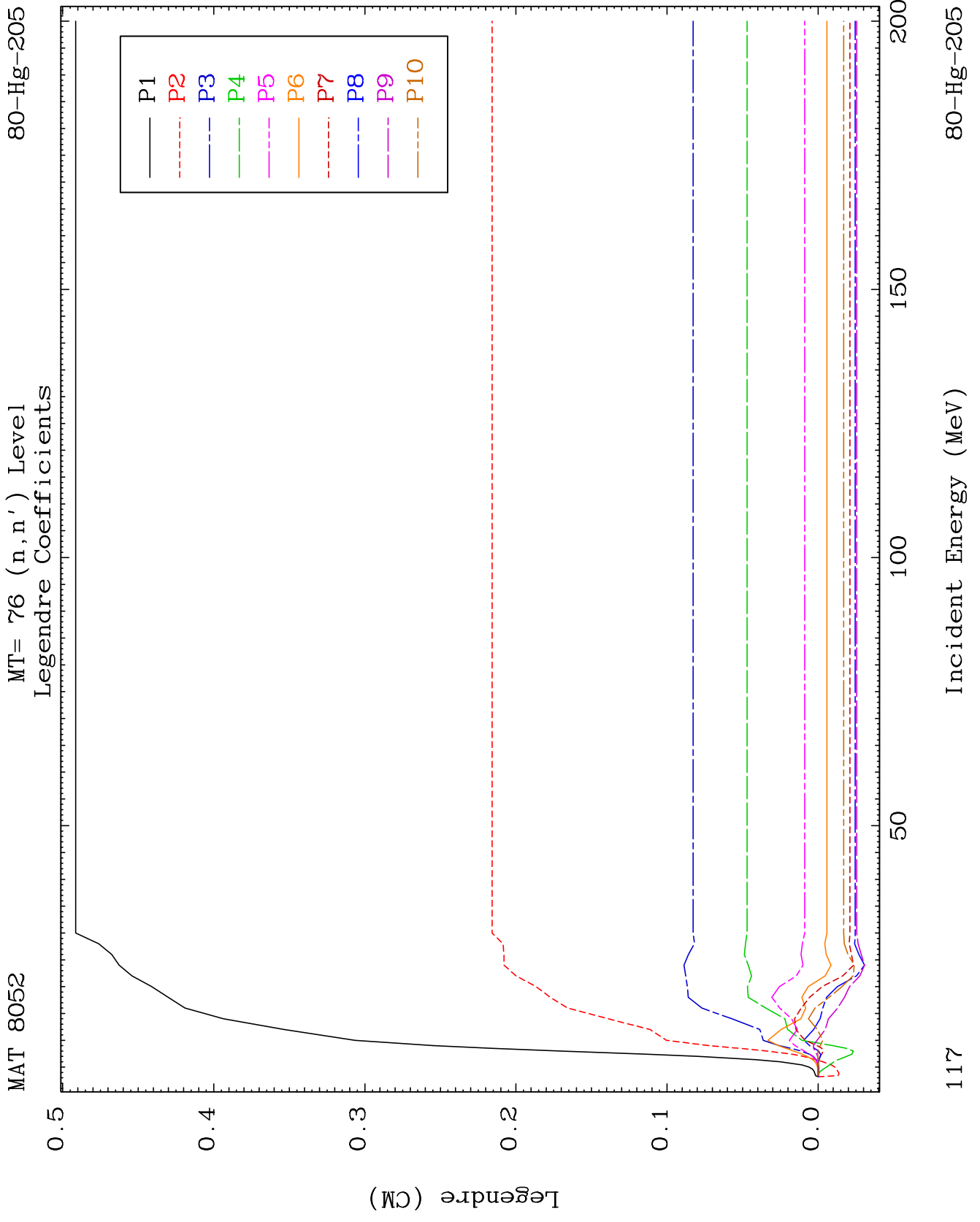


MAT 8052

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

80-Hg-205

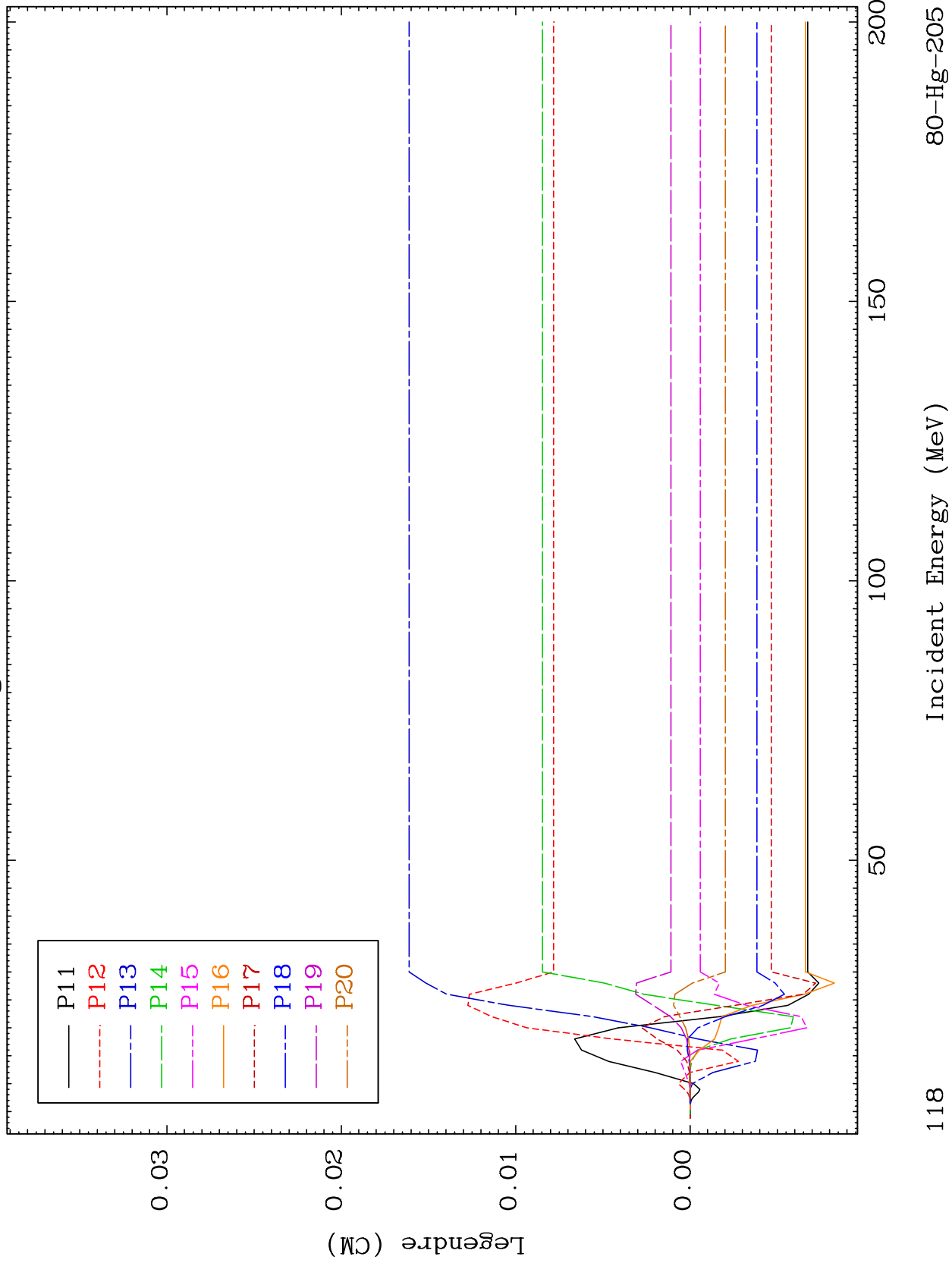




MAT 8052

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

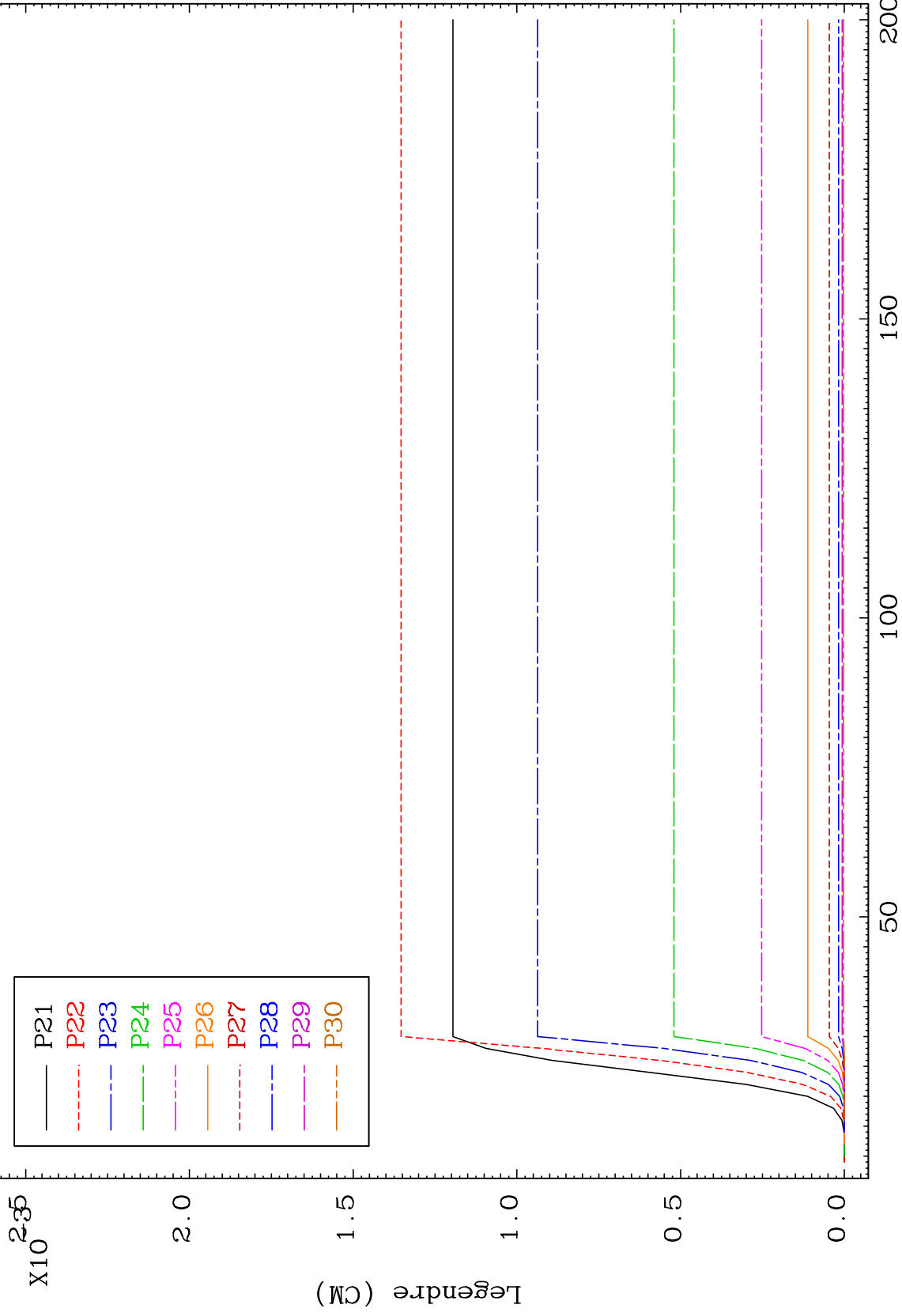
80-Hg-205



MAT 8052

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

80-Hg-205



119

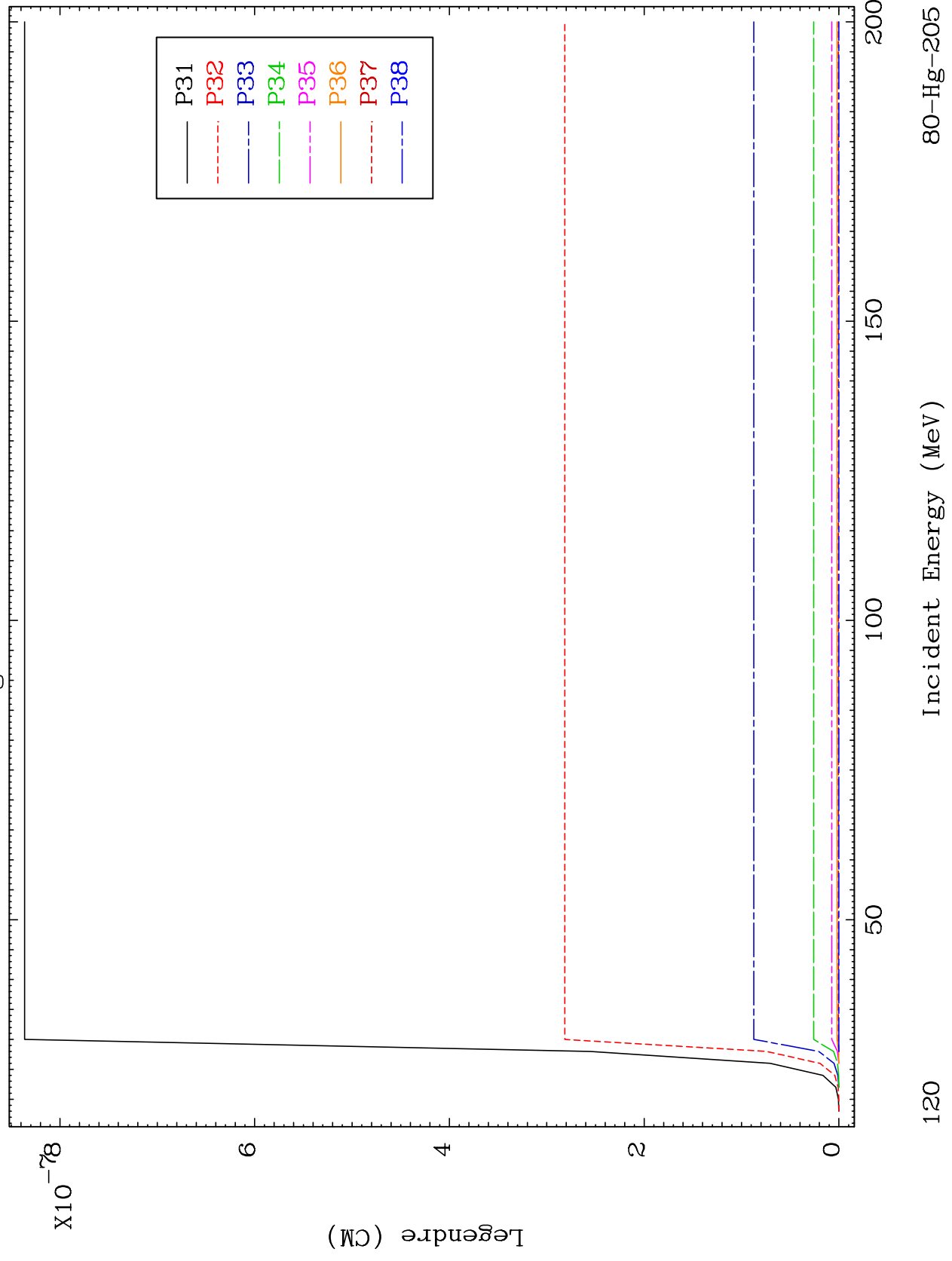
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

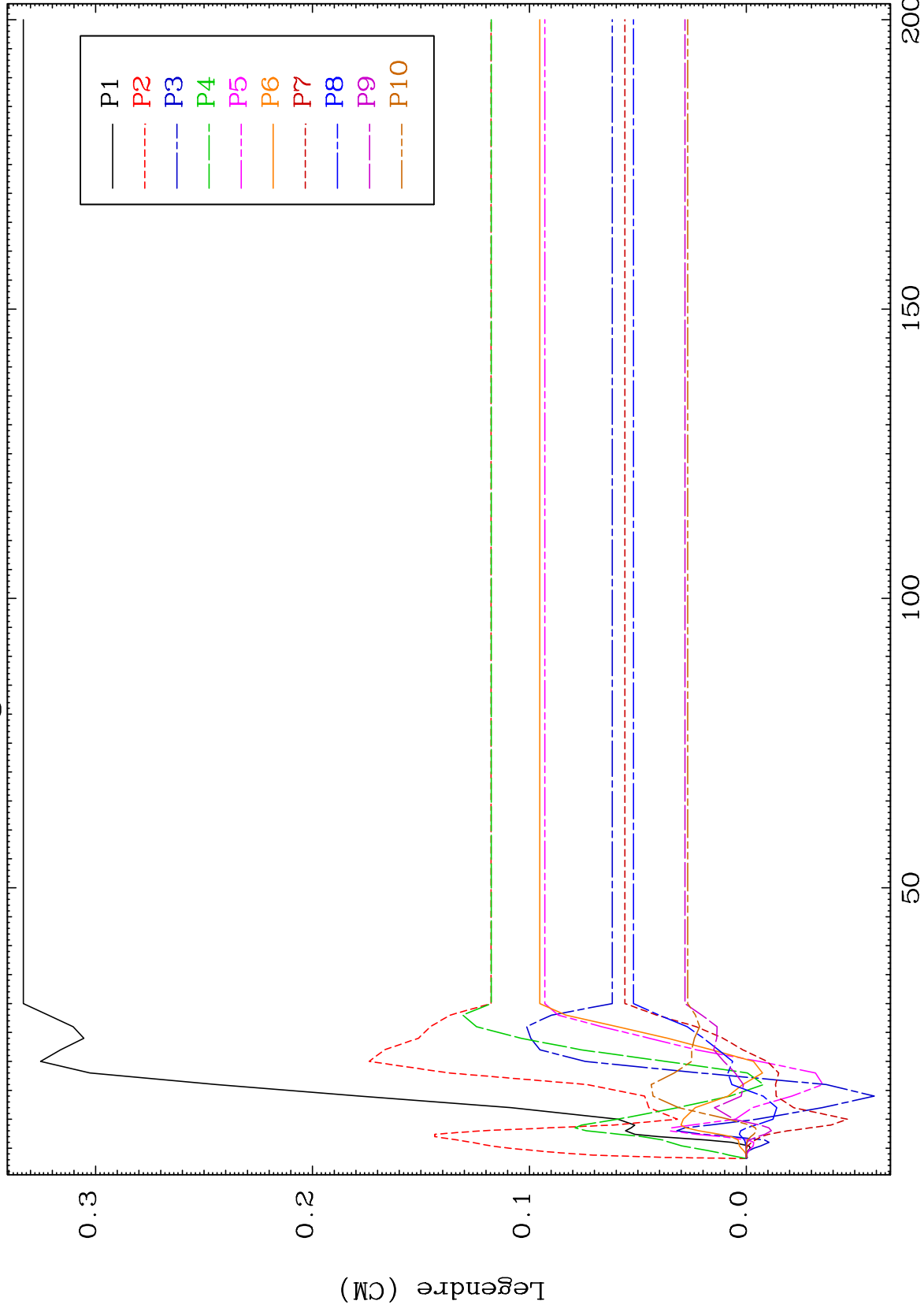
80-Hg-205



MAT 8052

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

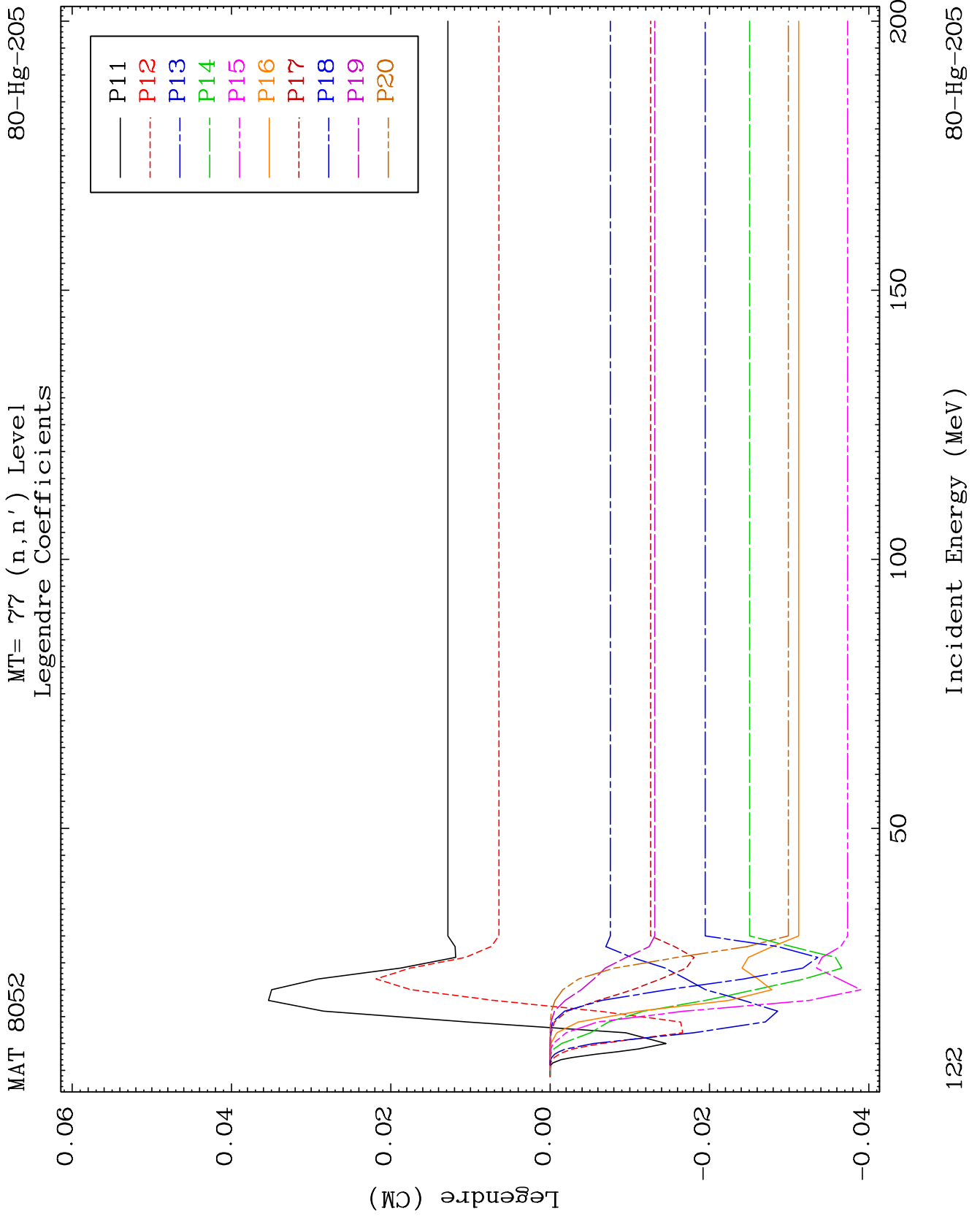
80-Hg-205

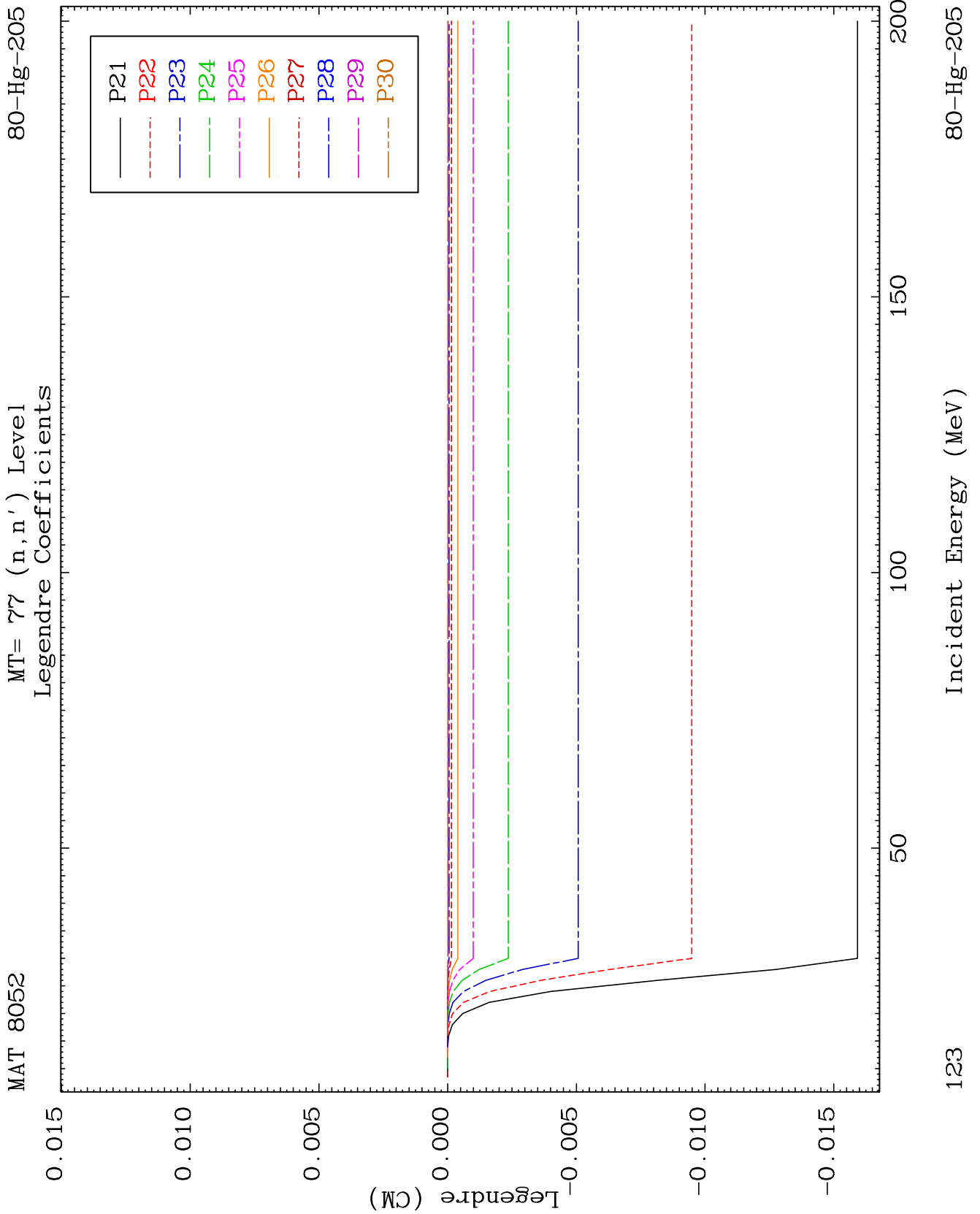


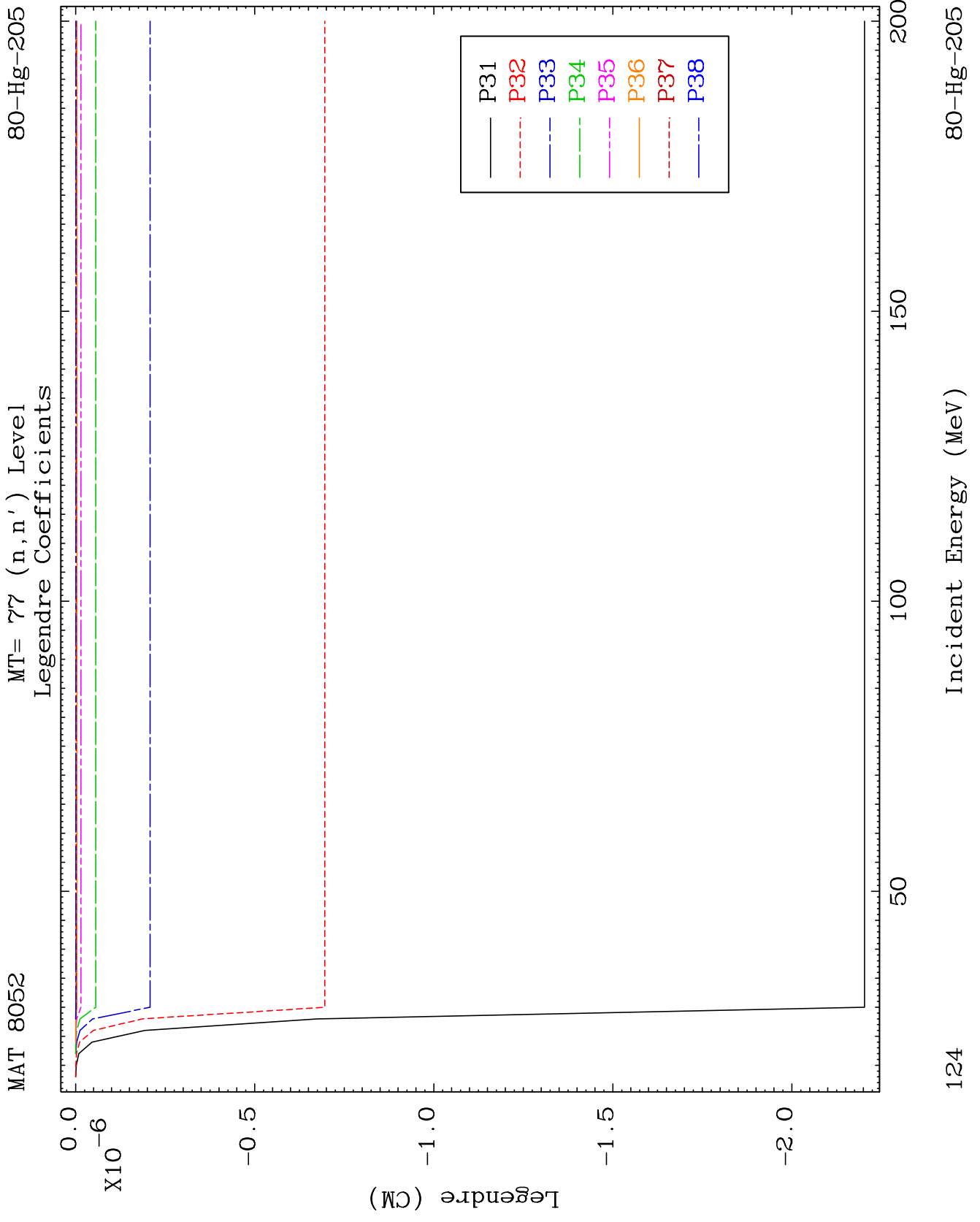
121

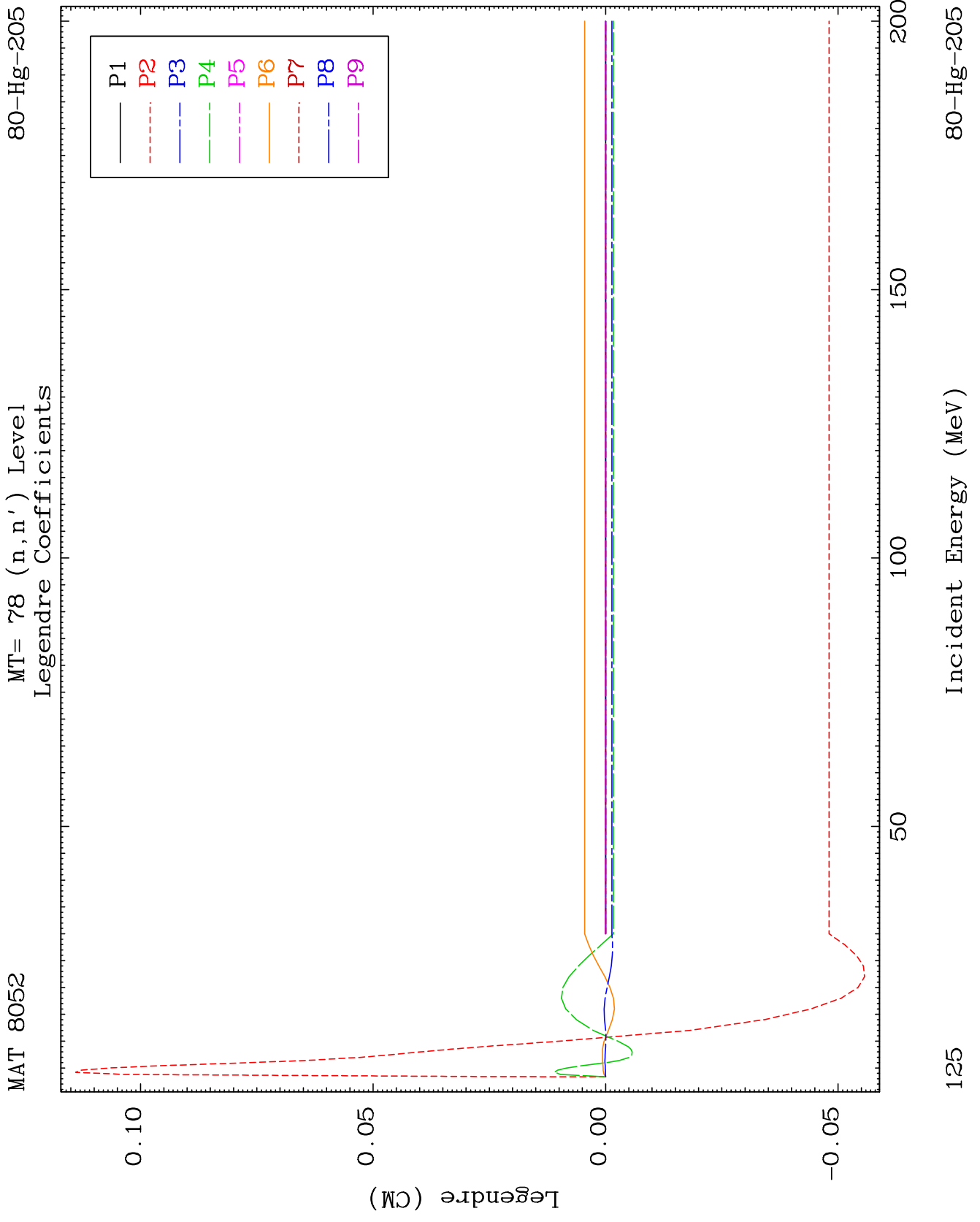
Incident Energy (MeV)

80-Hg-205





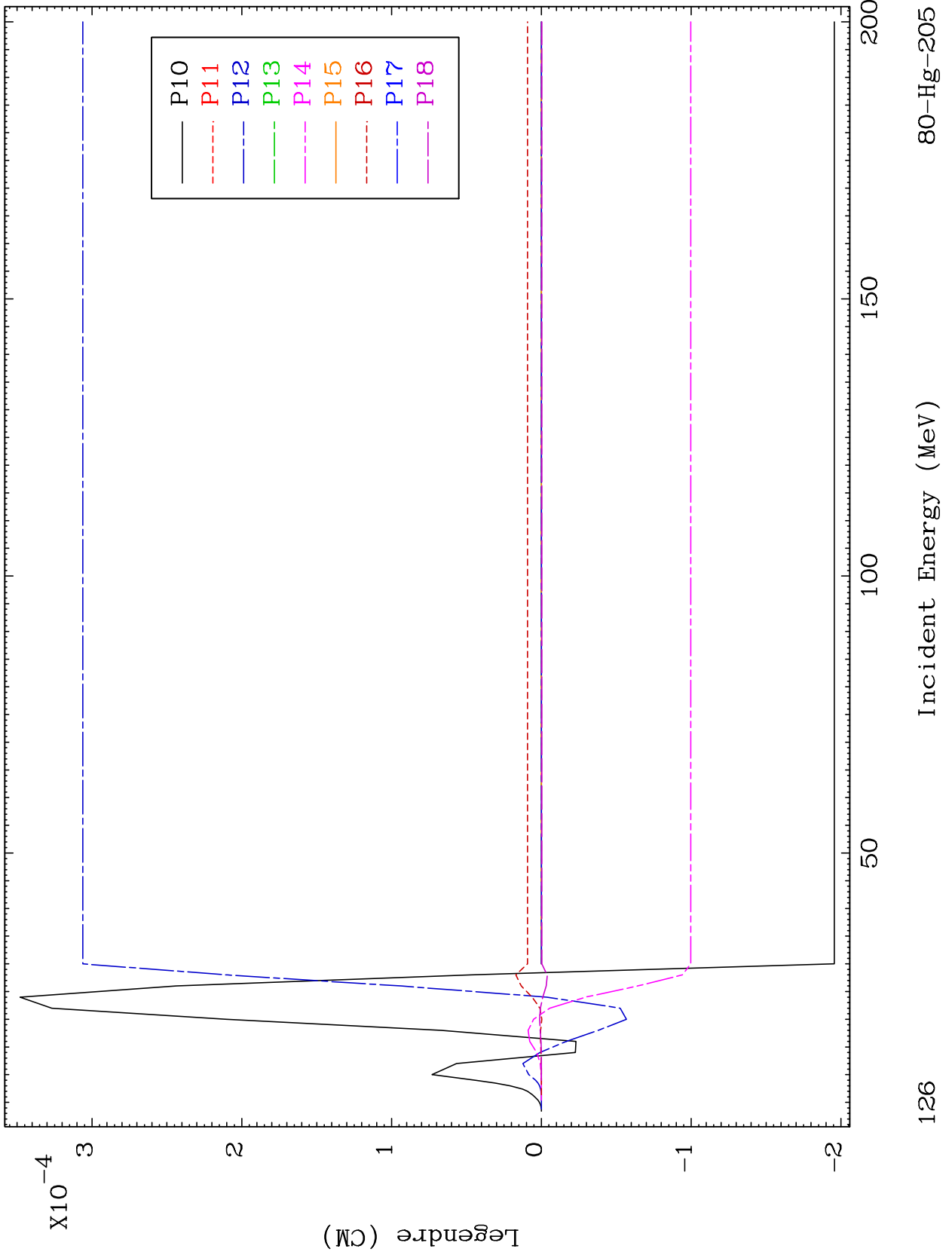




MAT 8052

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

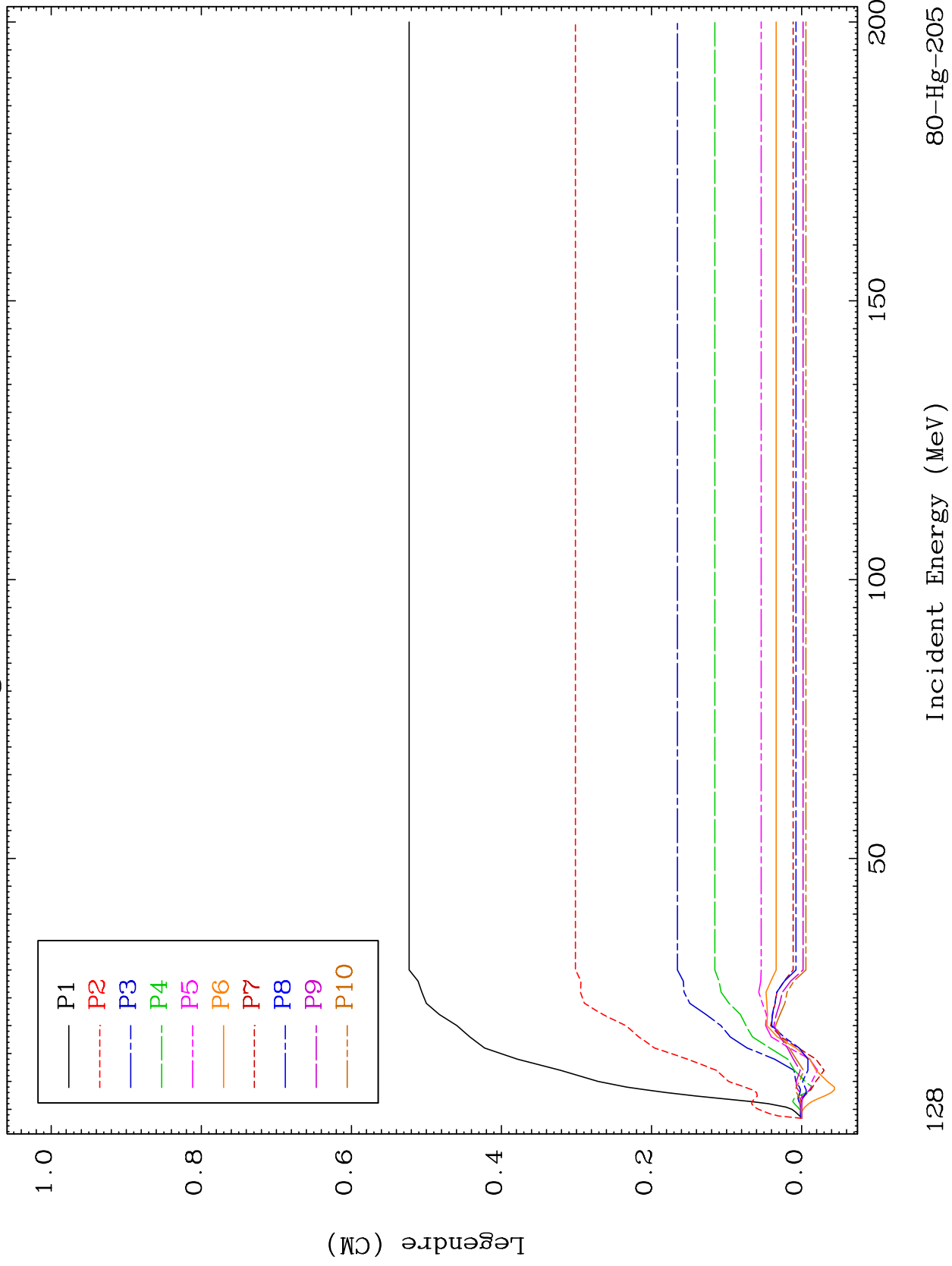
80-Hg-205



MAT 8052

MT= 79 (n,n') Level
Legendre Coefficients

80-Hg-205



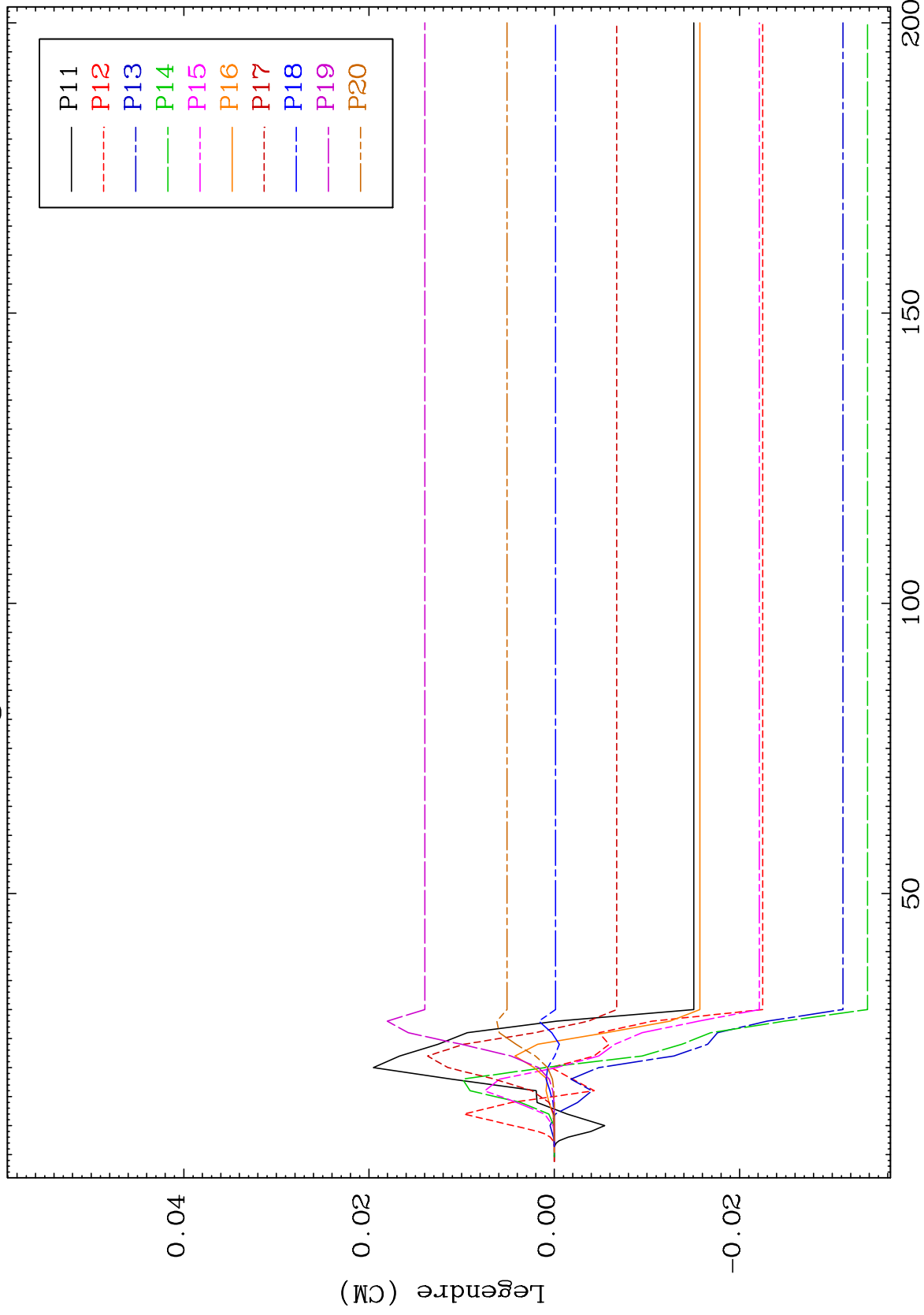
128

80-Hg-205

MAT 8052

MT= 79 (n,n') Level
Legendre Coefficients

80-Hg-205



129

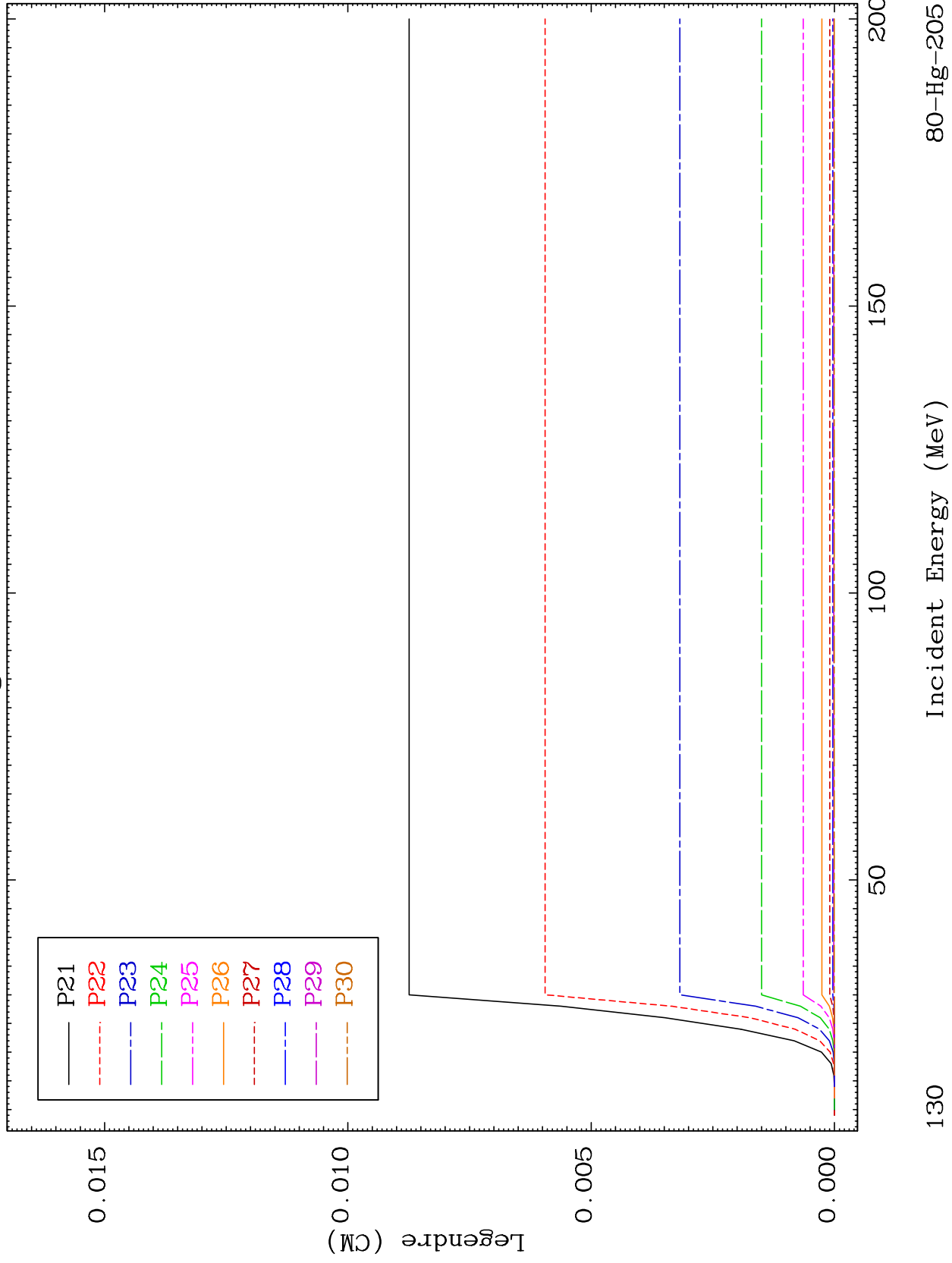
Incident Energy (MeV)

80-Hg-205

MAT 8052

MT= 79 (n,n') Level
Legendre Coefficients

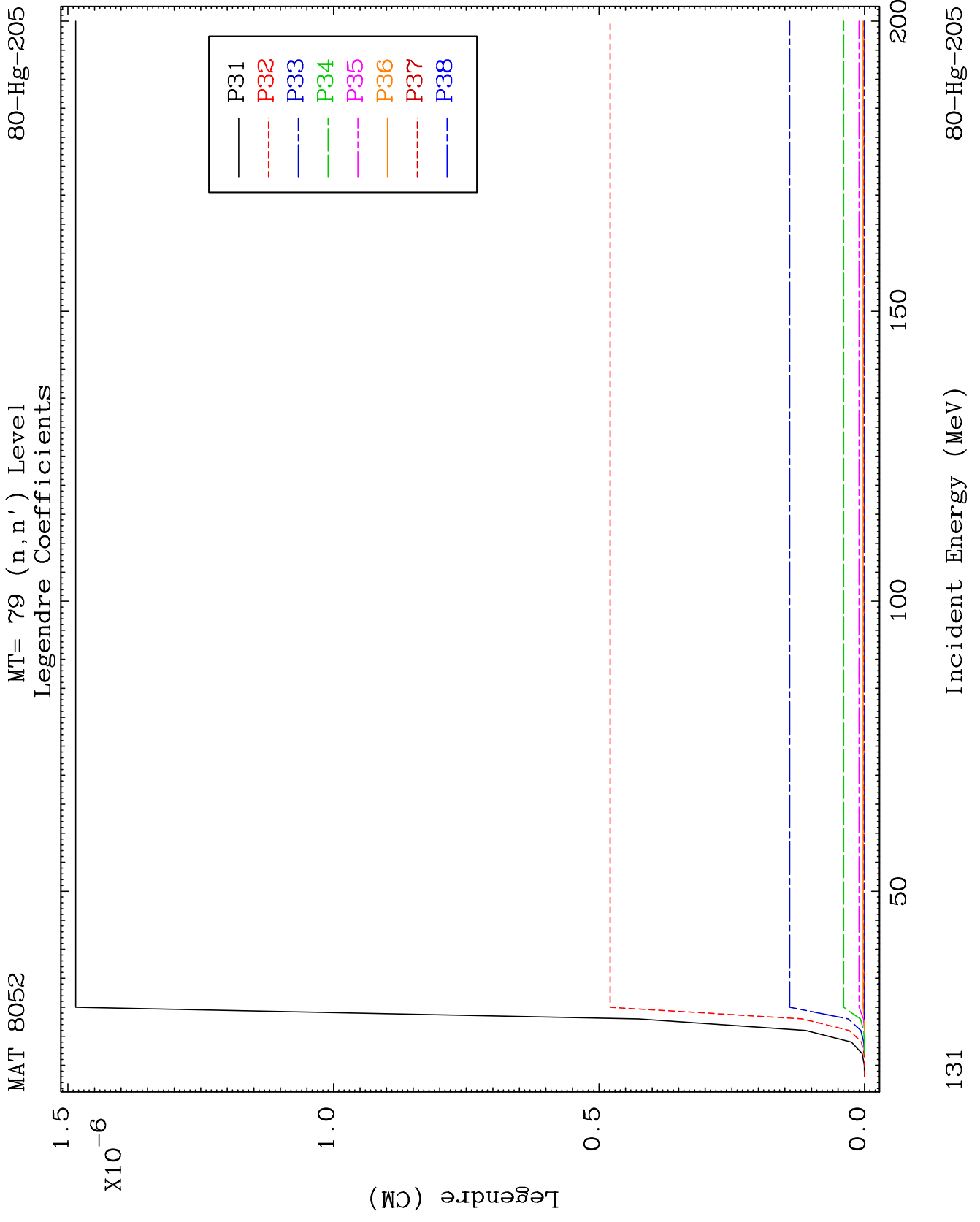
80-Hg-205



130

Incident Energy (MeV)

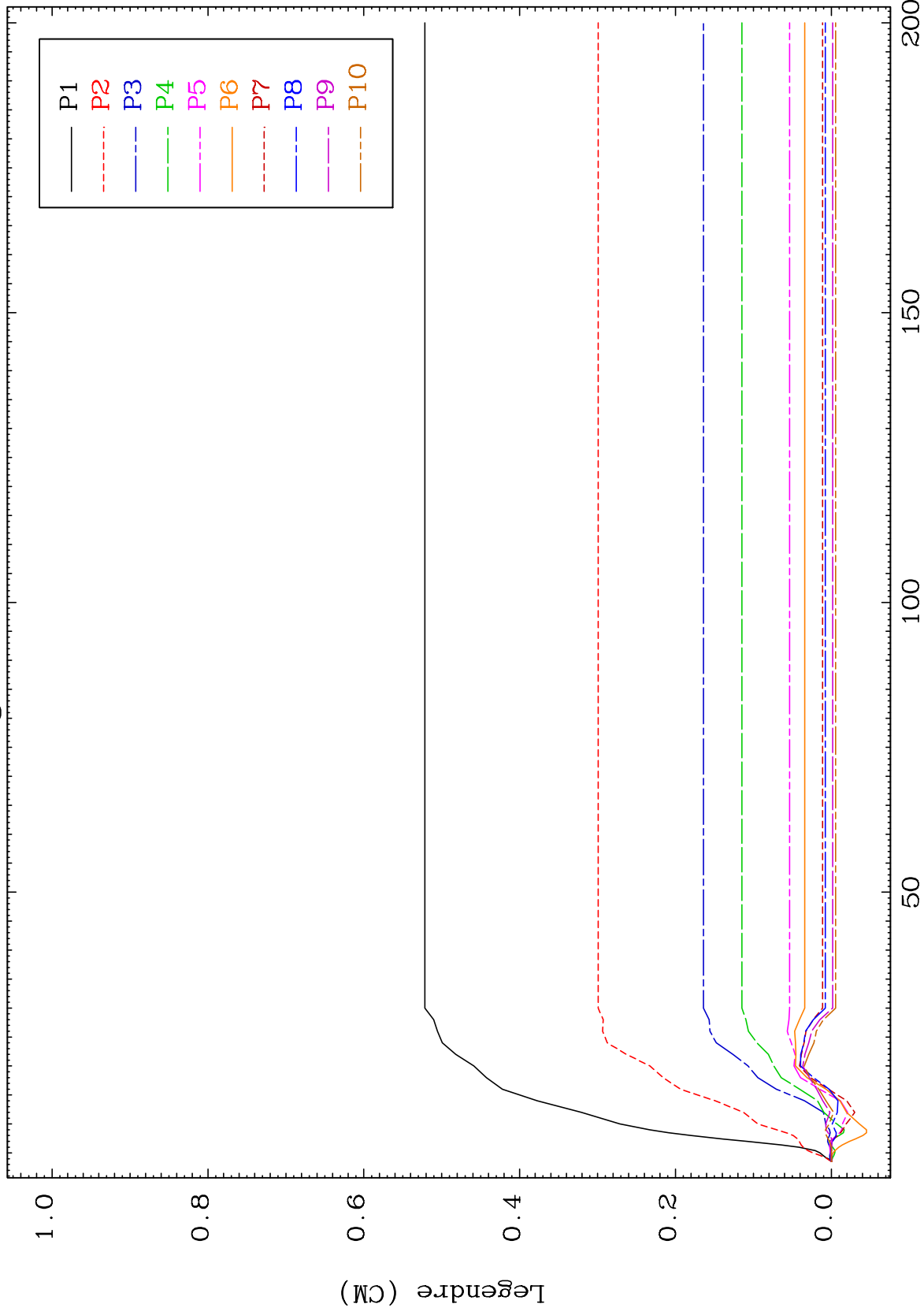
80-Hg-205



MAT 8052

MT= 80 (n,n') Level
Legendre Coefficients

80-Hg-205



132

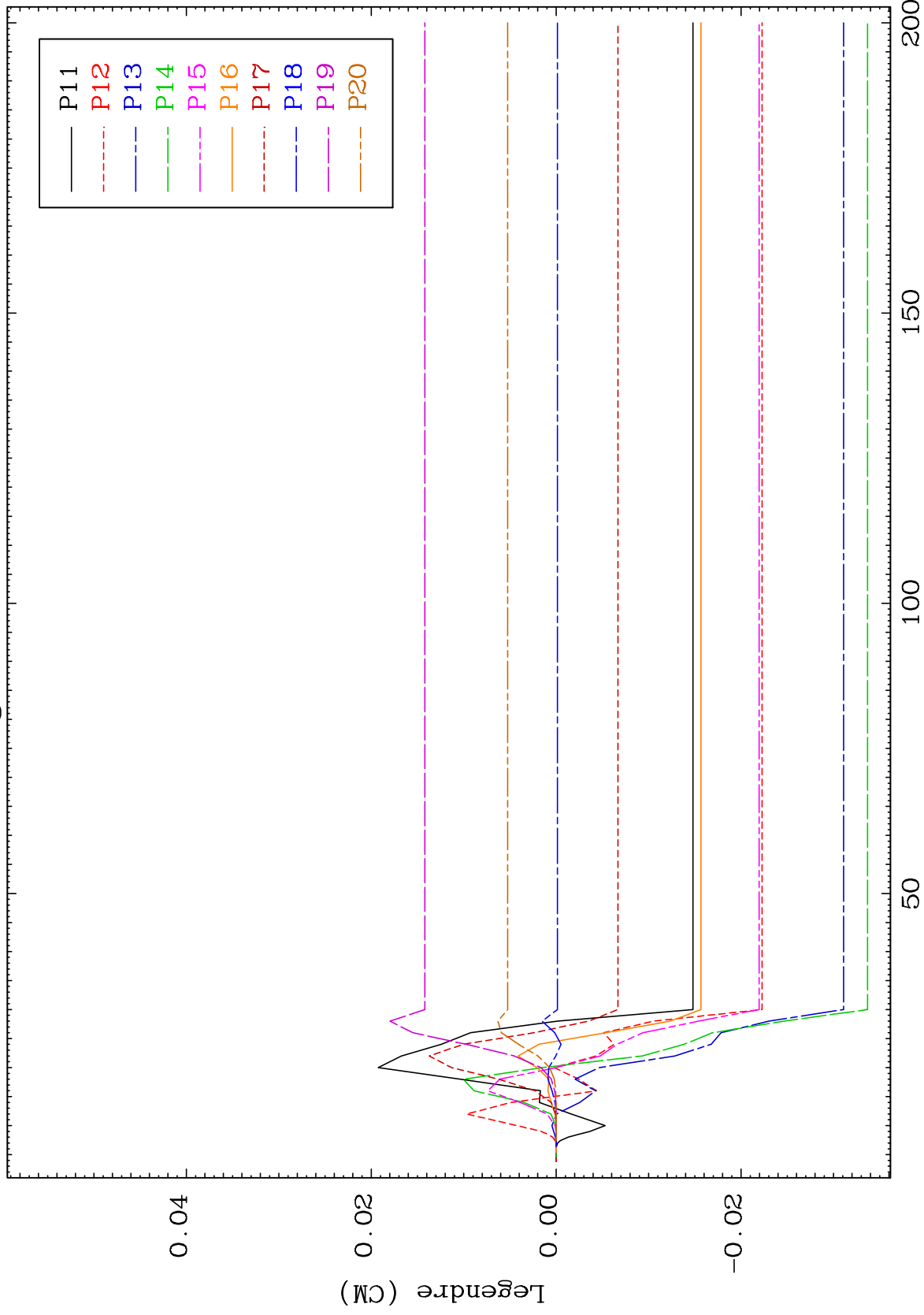
Incident Energy (MeV)

80-Hg-205

MAT 8052

MT= 80 (n,n') Level
Legendre Coefficients

80-Hg-205



133

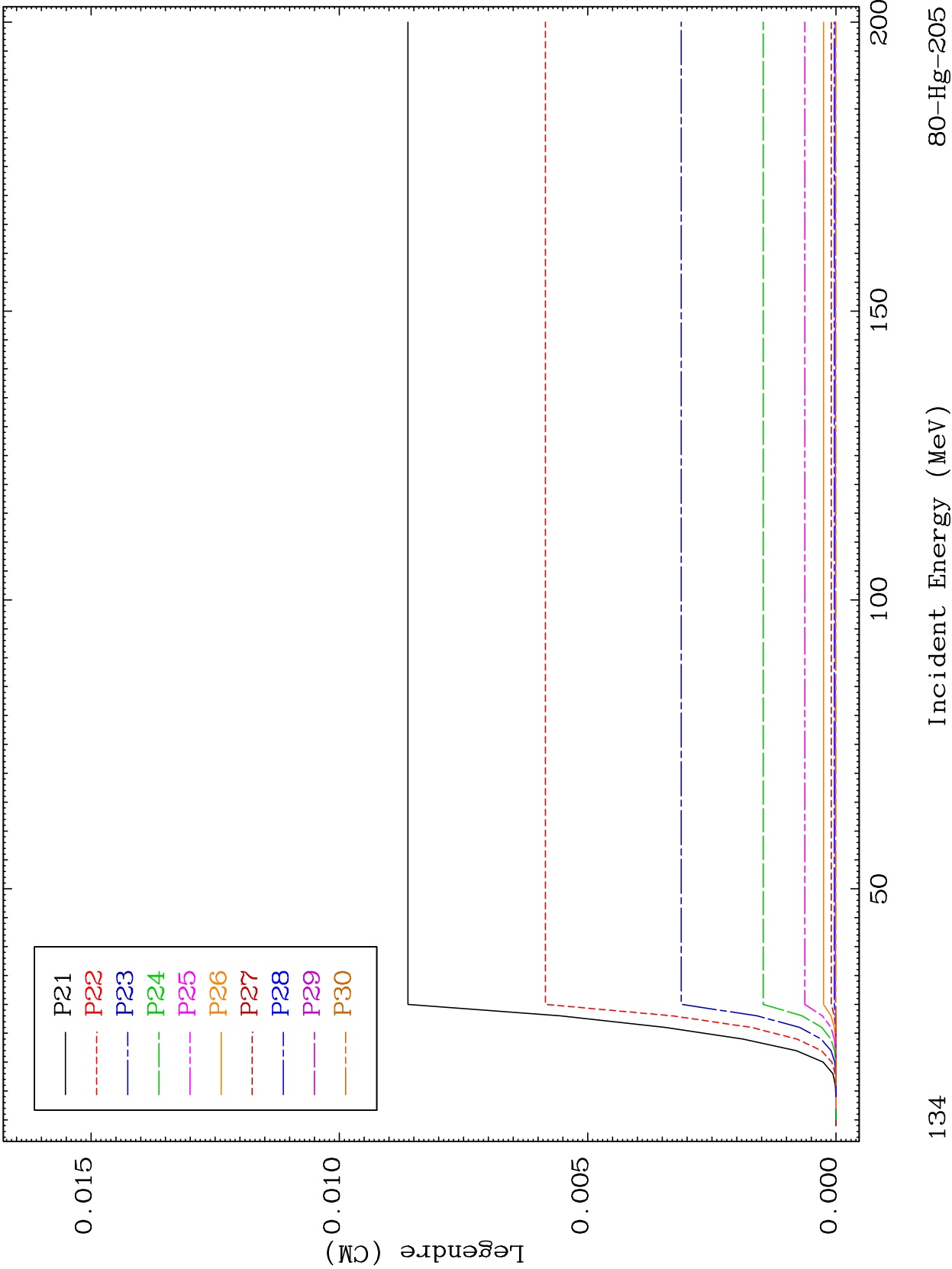
Incident Energy (MeV)

80-Hg-205

MAT 8052

MT= 80 (n,n') Level
Legendre Coefficients

80-Hg-205



134

Incident Energy (MeV)

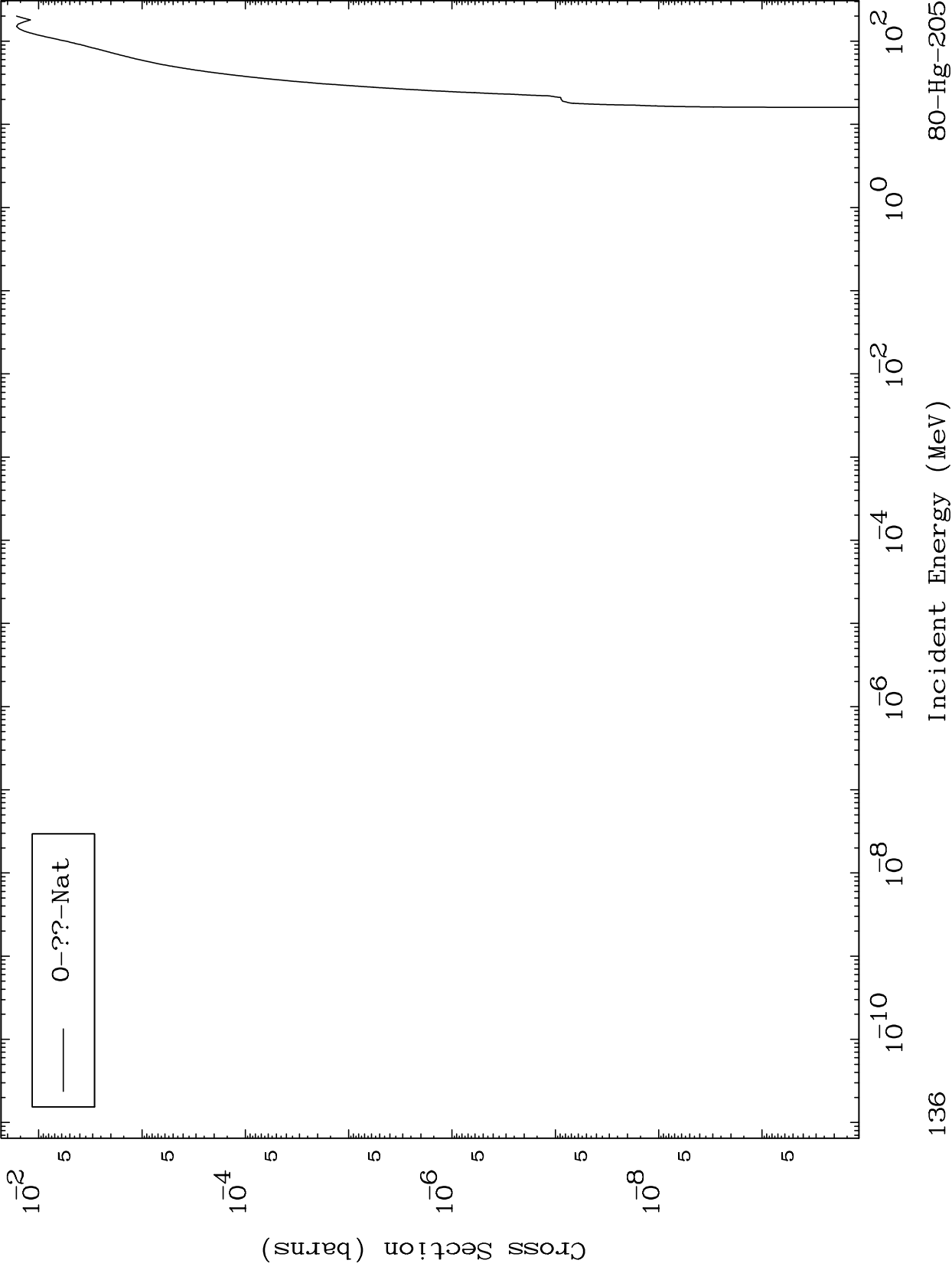
80-Hg-205

MAT 8052

Fission

80-Hg-205

Radionuclide Production Cross Section

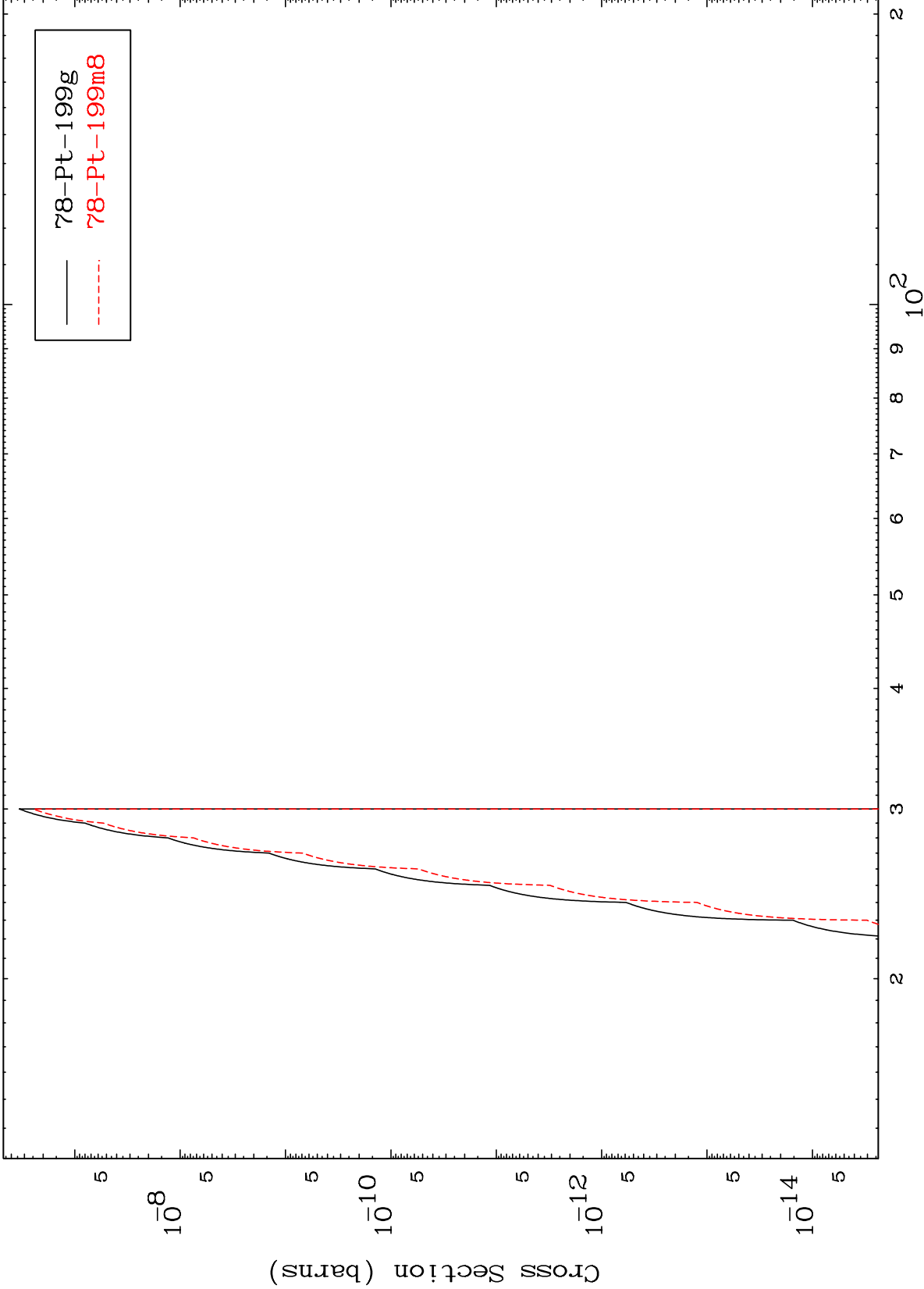


MAT 8052

(n,3n) α

80-Hg-205

Radionuclide Production Cross Section



78-Pt-199g
78-Pt-199m8

137

Incident Energy (MeV)

80-Hg-205