

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

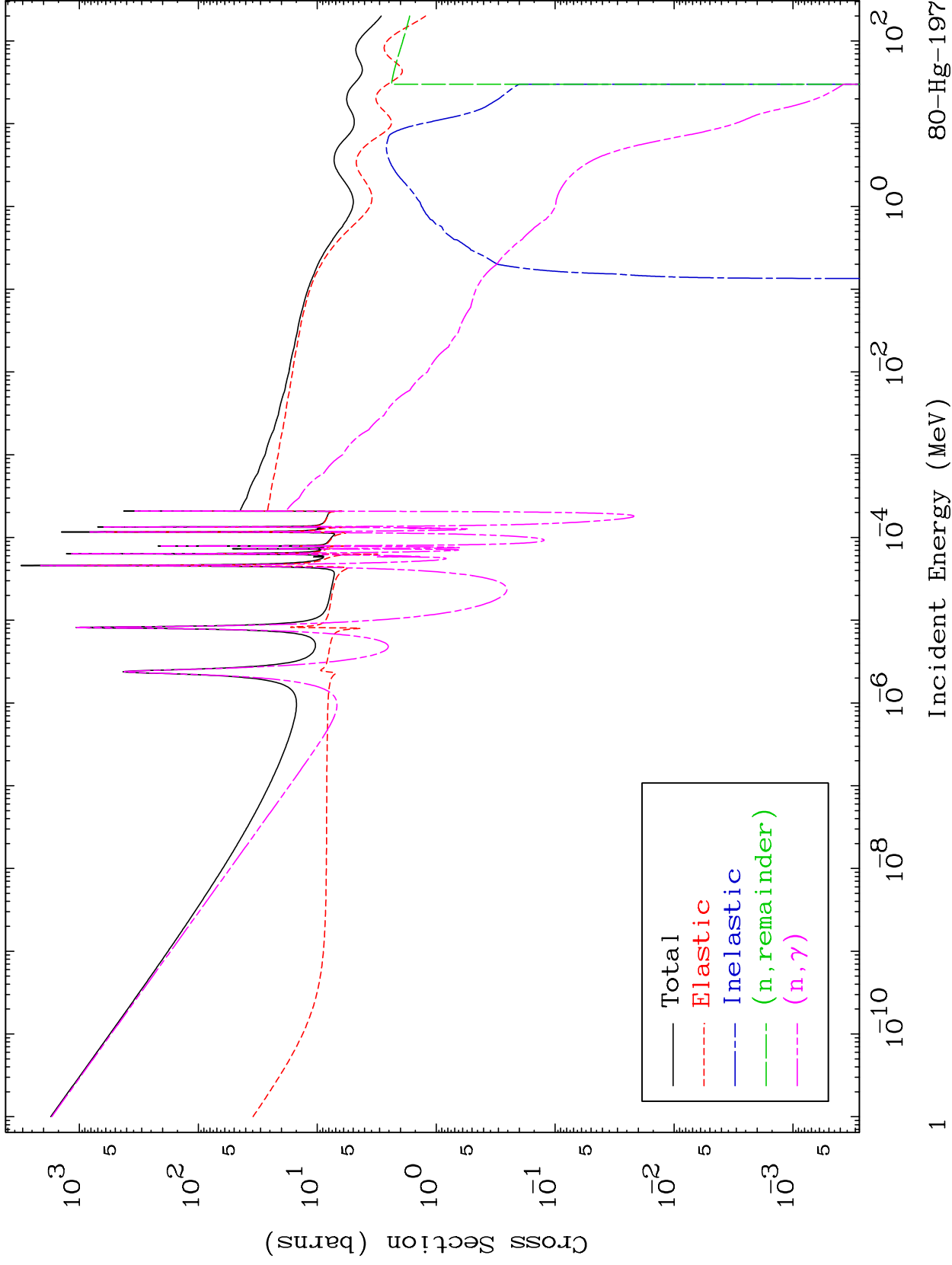
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 8028

Major
293 Kelvin Cross Sections

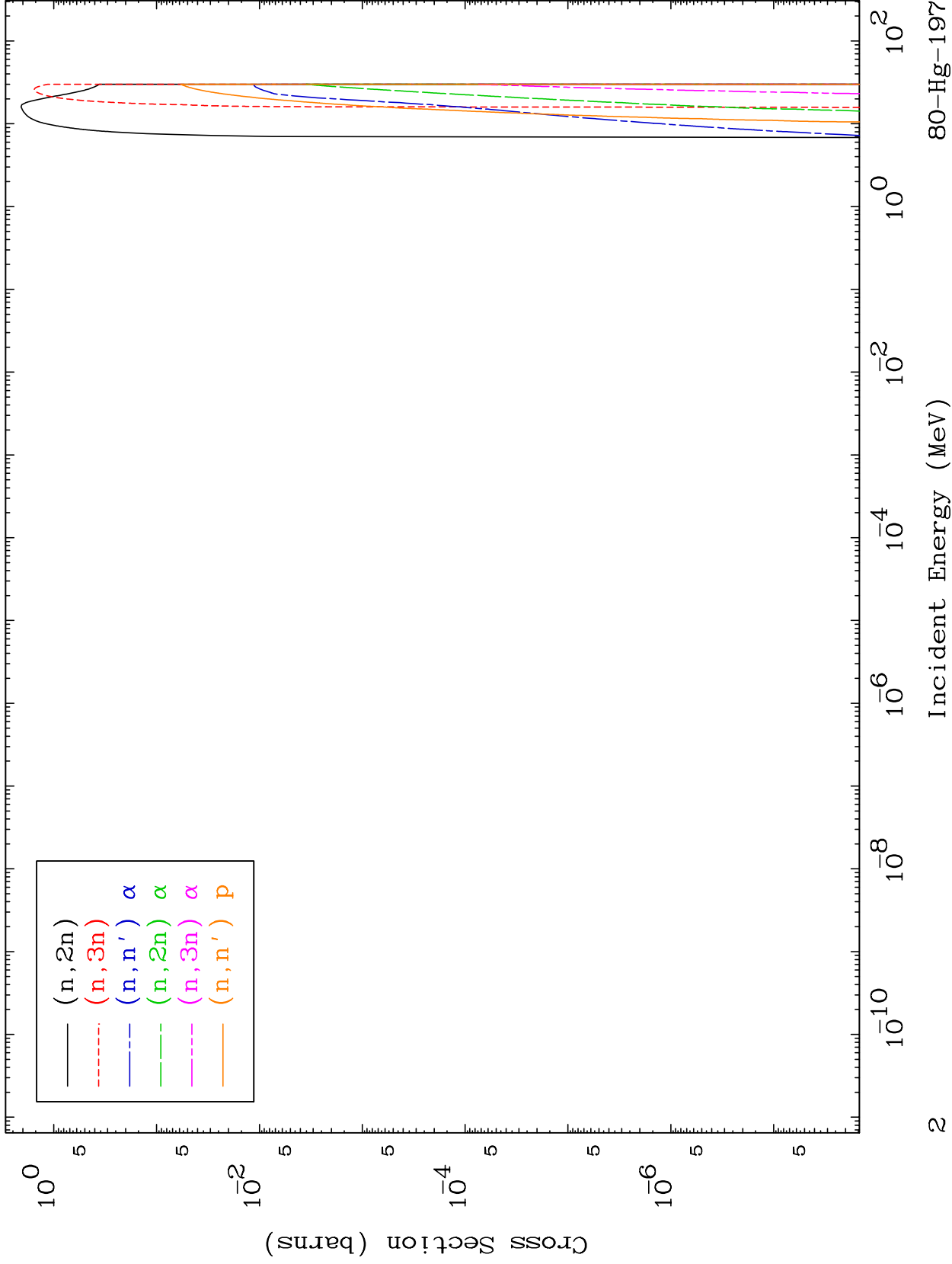
80-Hg-197

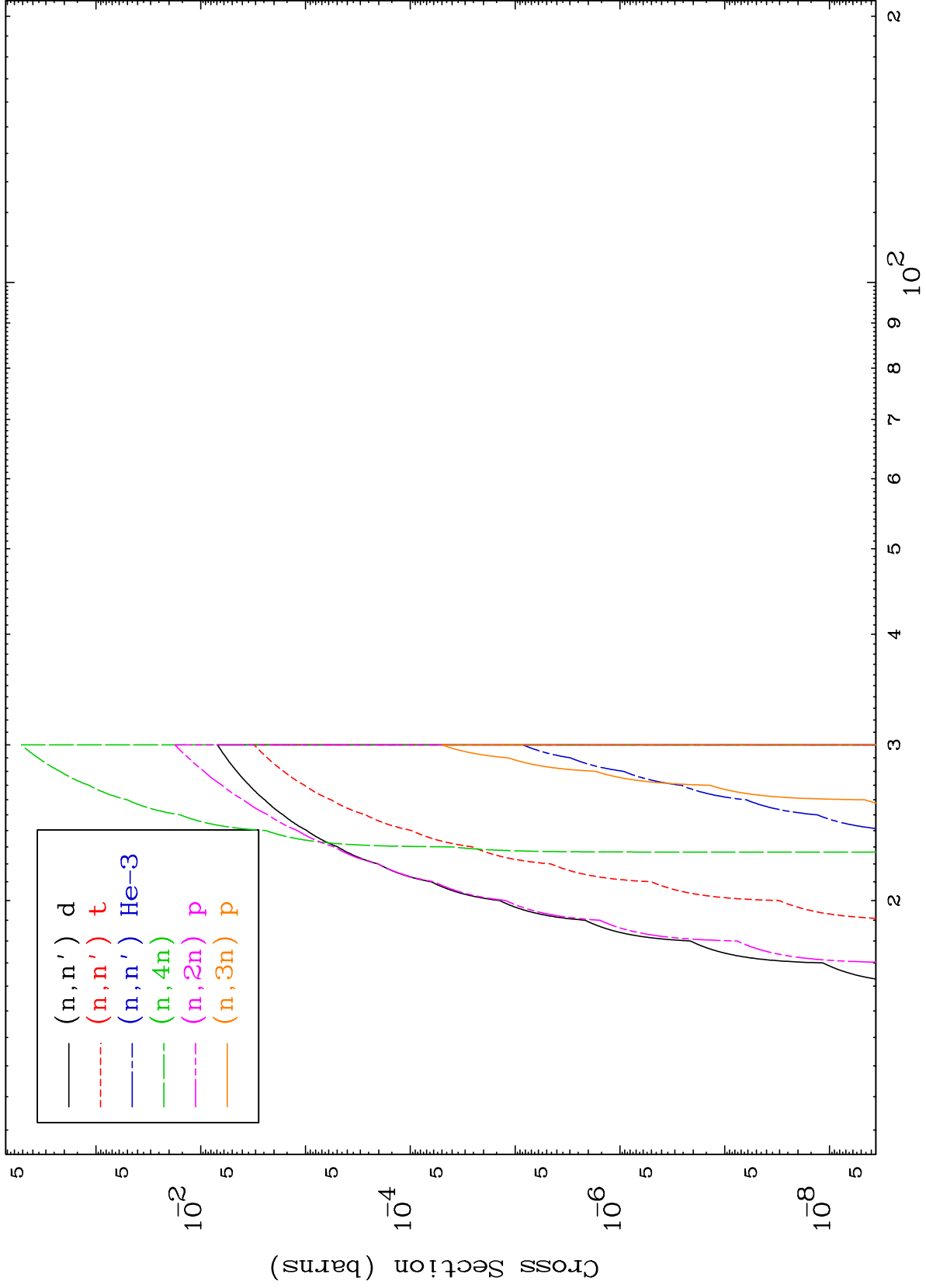


MAT 8028

Neutron Production
293 Kelvin Cross Sections

80-Hg-197

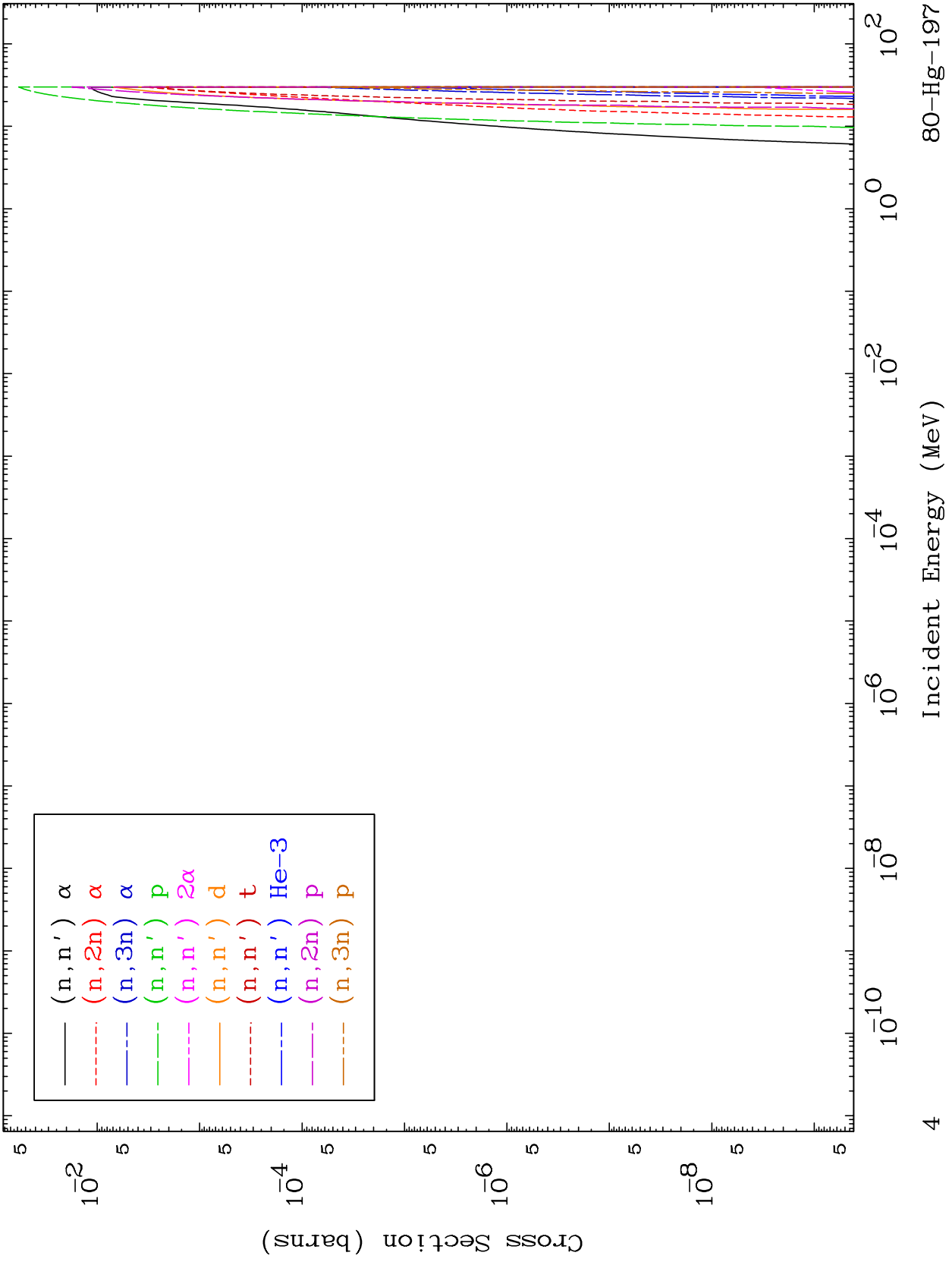




MAT 8028

Charged Particle
293 Kelvin Cross Sections

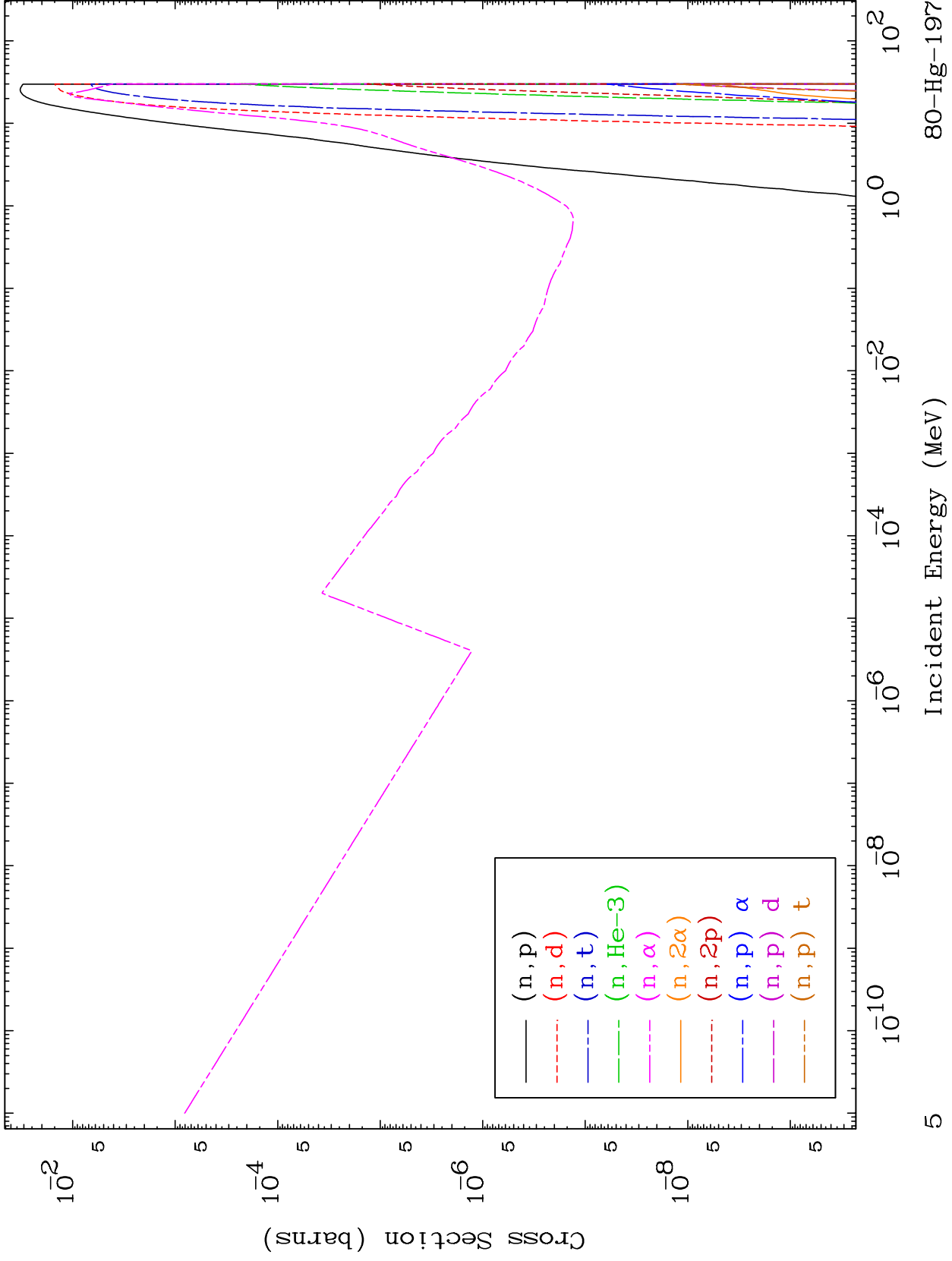
80-Hg-197



MAT 8028

Charged Particle
293 Kelvin Cross Sections

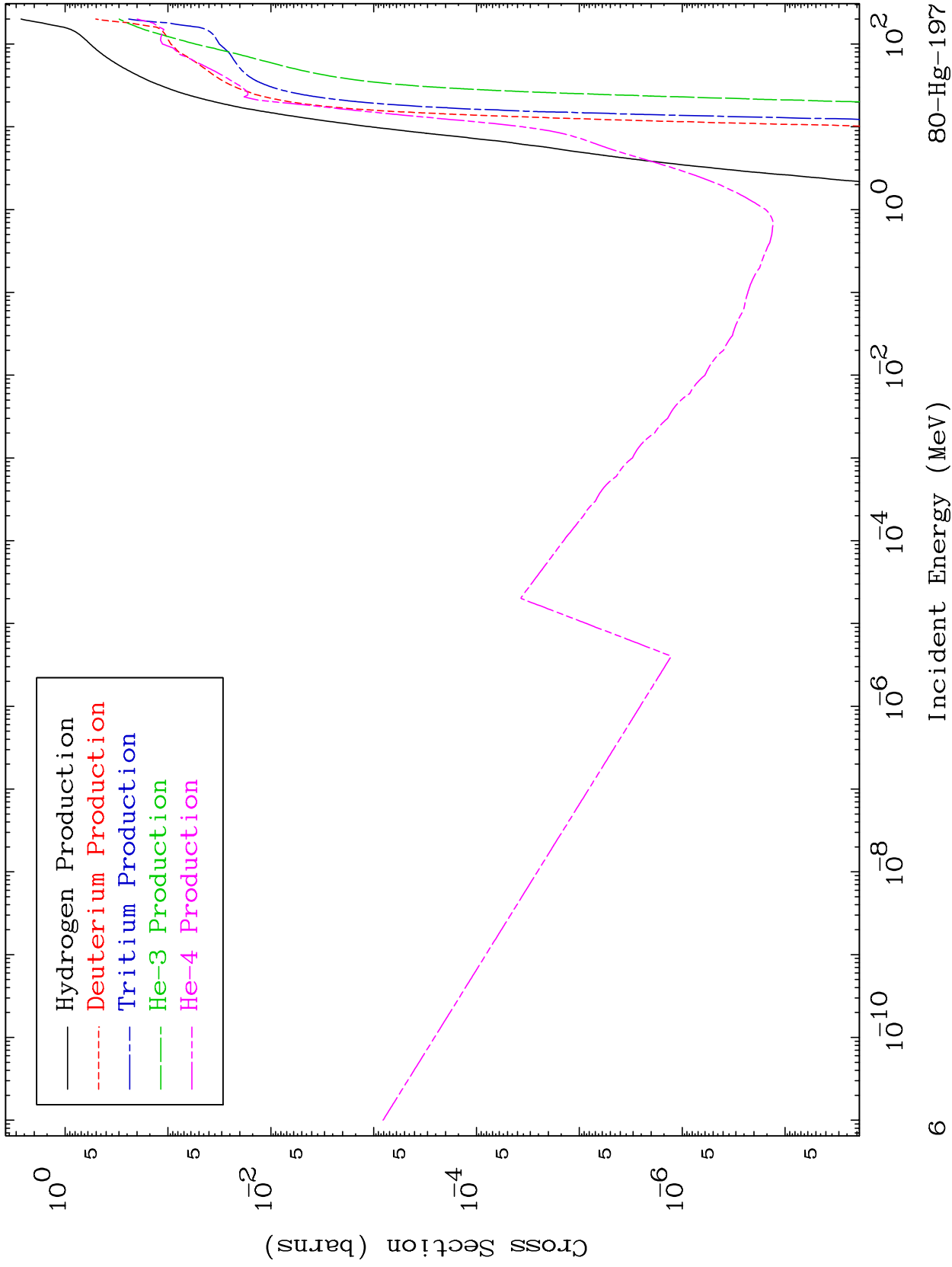
80-Hg-197



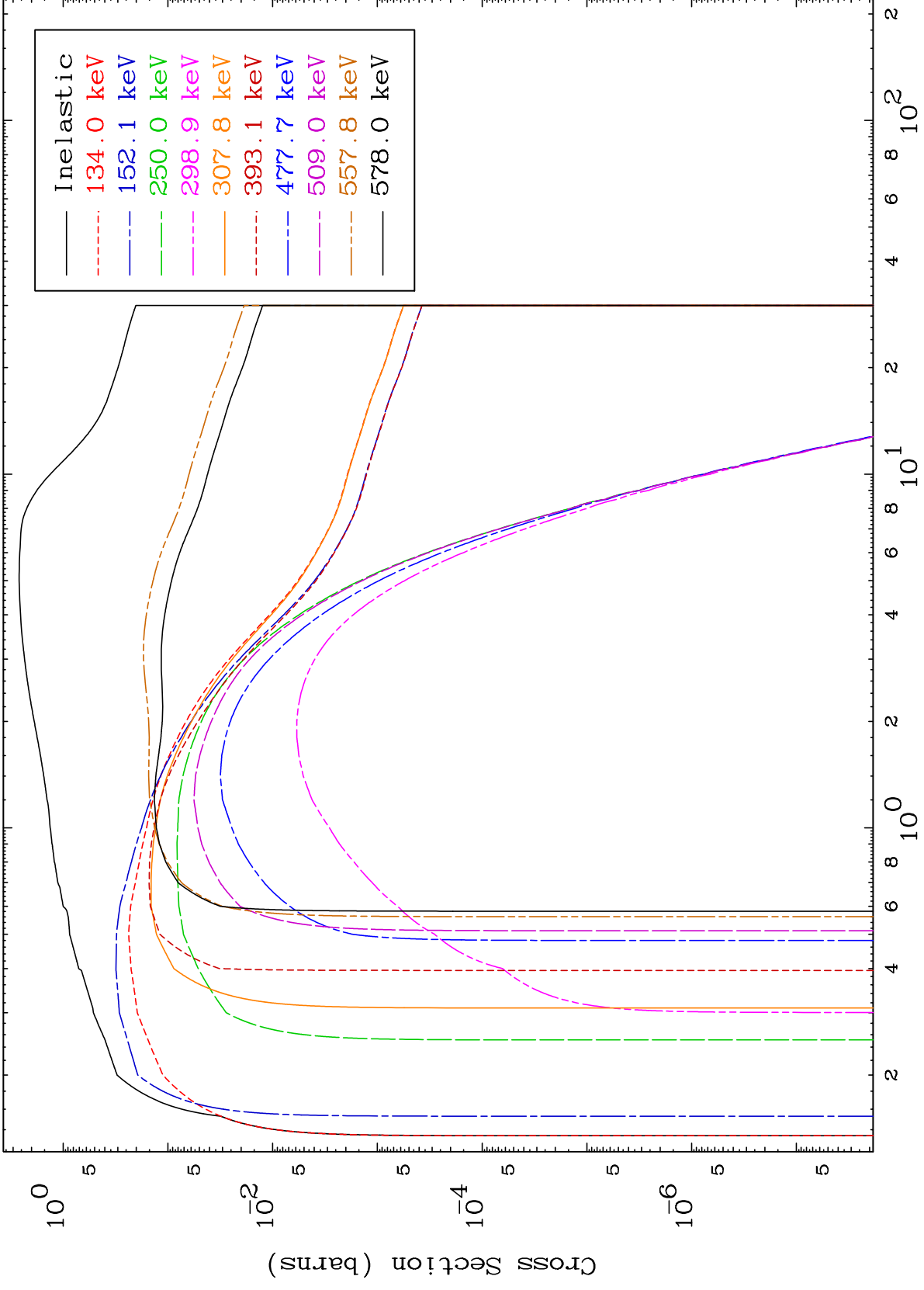
MAT 8028

Particle Production
293 Kelvin Cross Sections

80-Hg-197



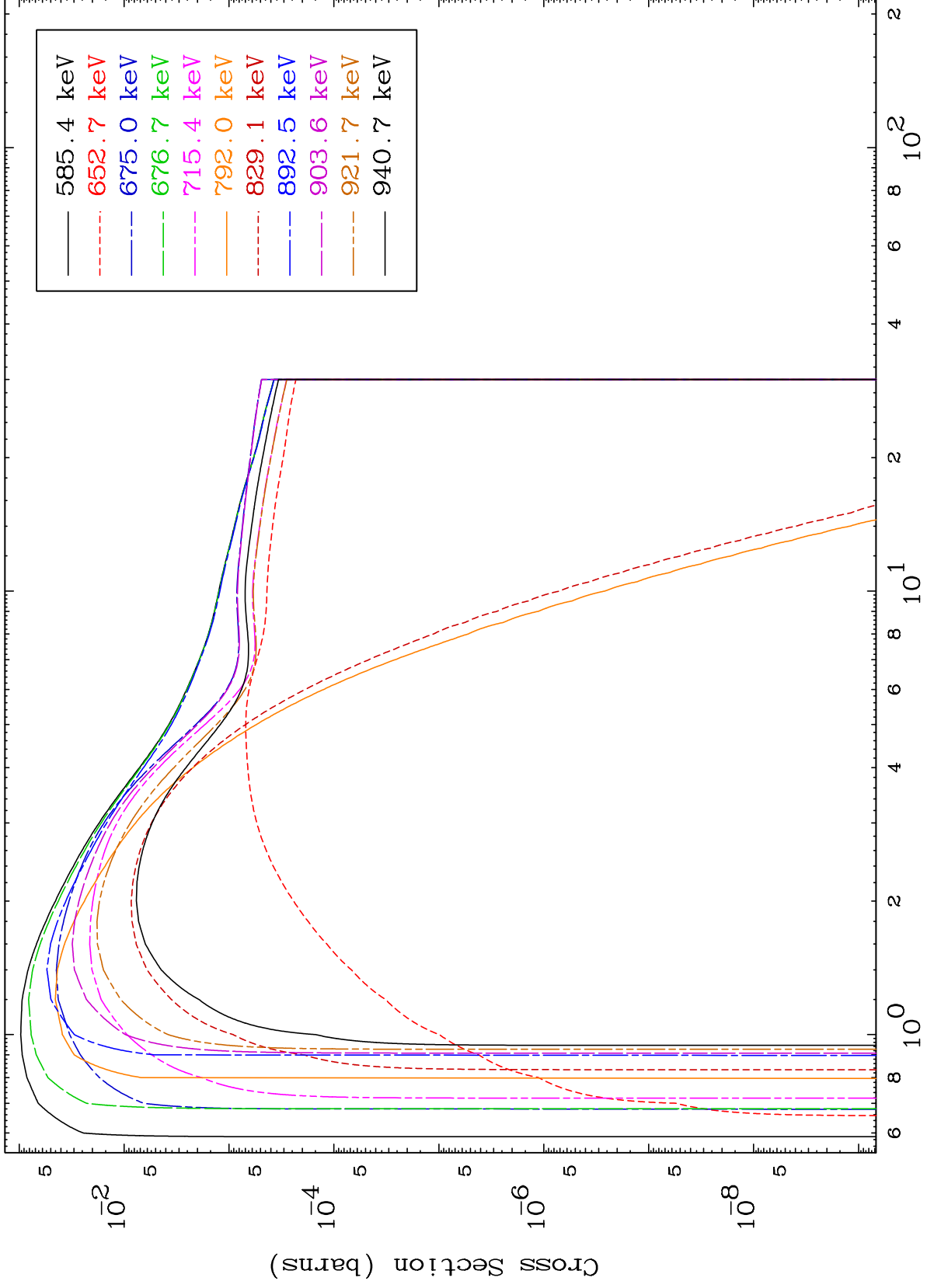
293 Kelvin Cross Sections



MAT 8028

(n,n') Level
293 Kelvin Cross Sections

80-Hg-197



8

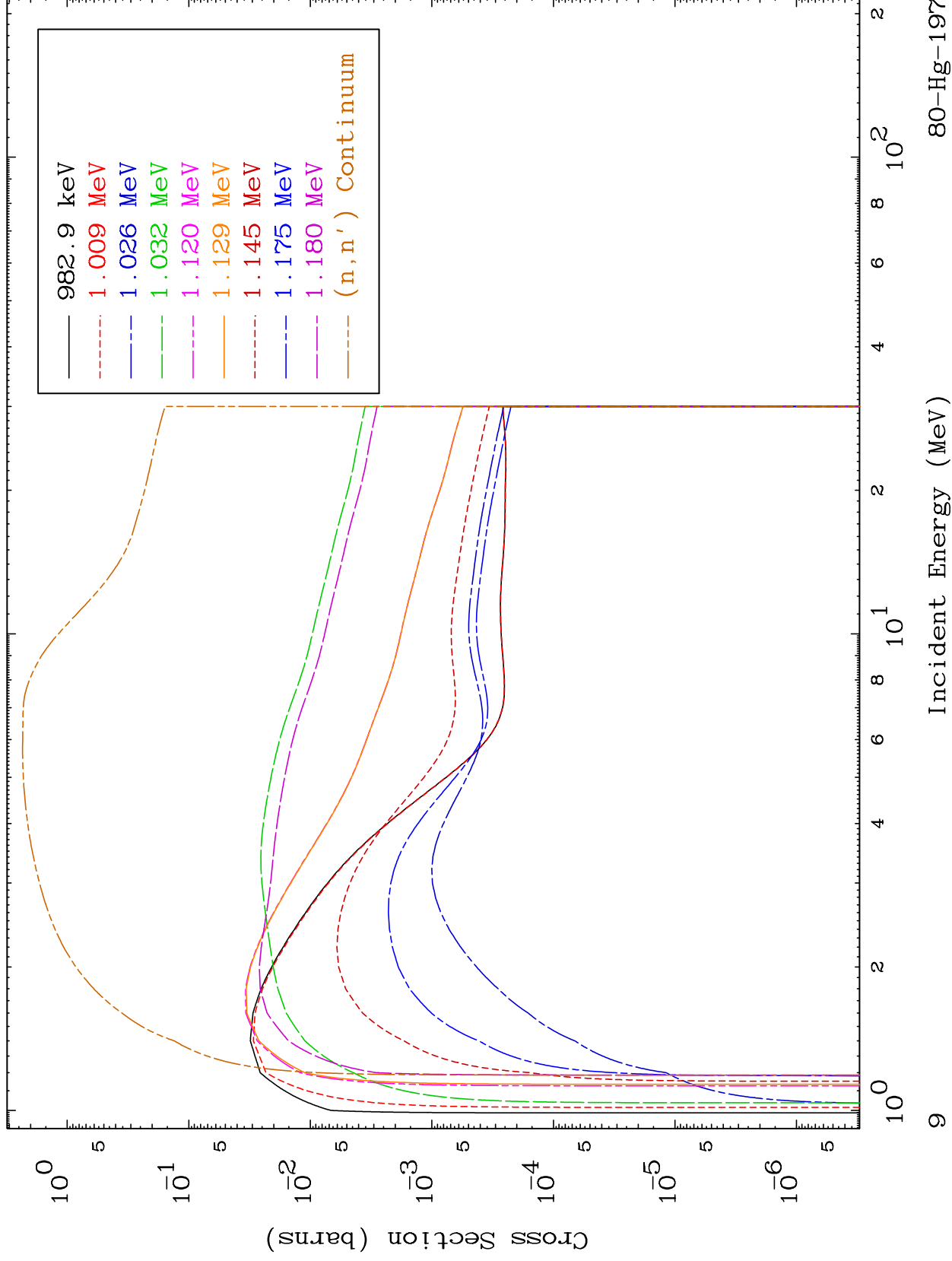
Incident Energy (MeV)

80-Hg-197

MAT 8028

(n,n') Level
293 Kelvin Cross Sections

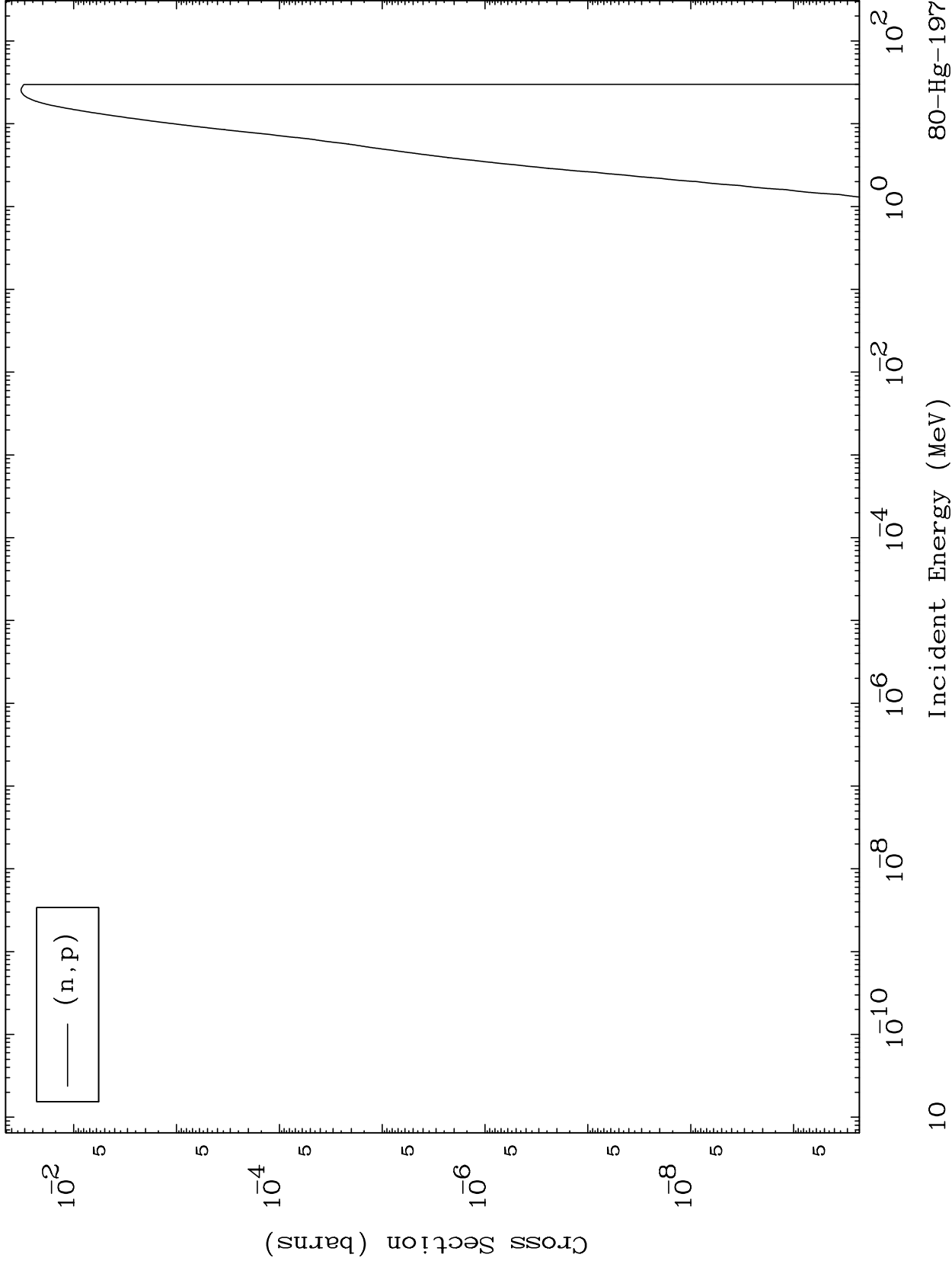
80-Hg-197



MAT 8028

(n,p) Levels
293 Kelvin Cross Sections

80-Hg-197



10

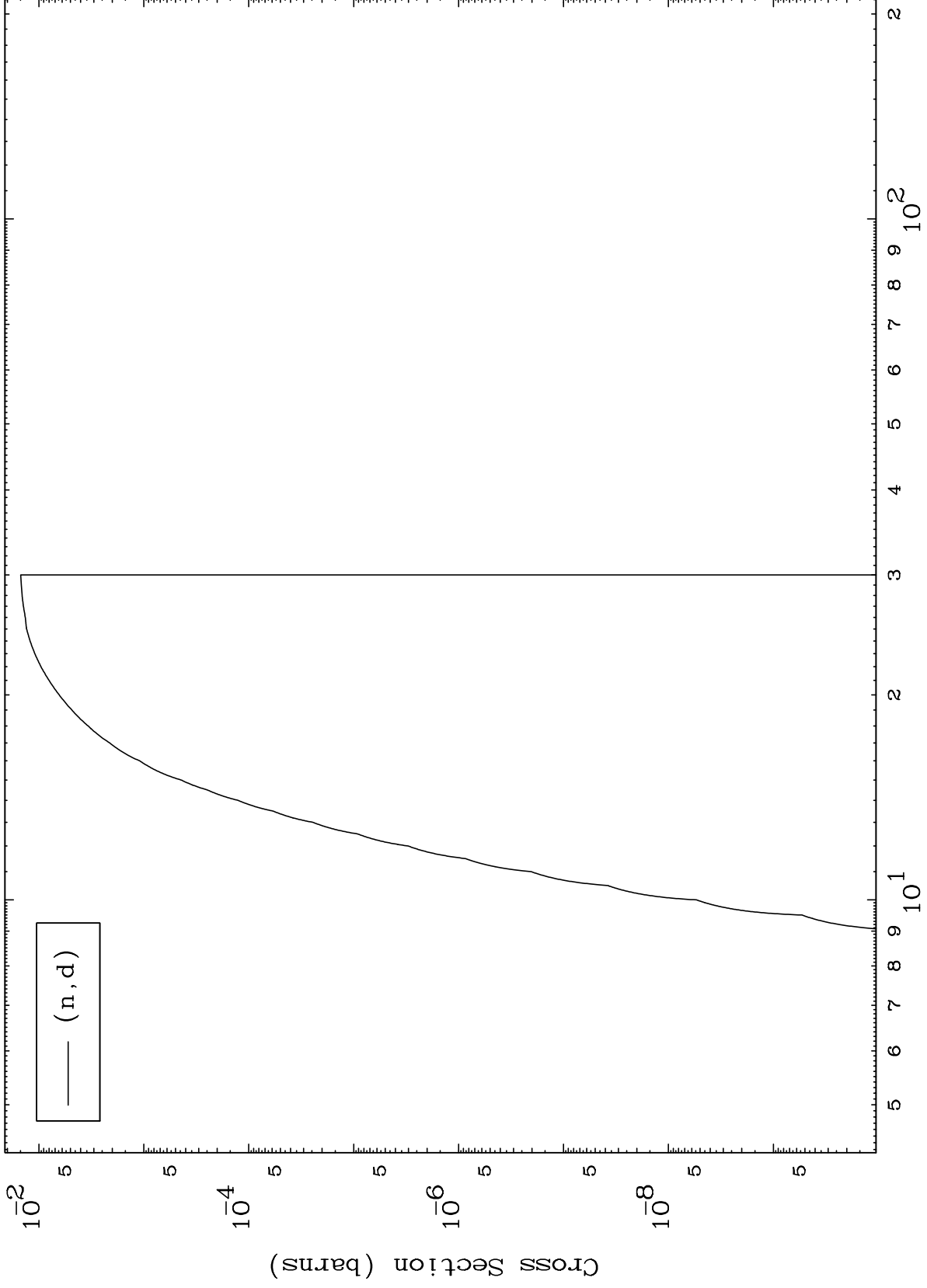
Incident Energy (MeV)

80-Hg-197

MAT 8028

(n,d) Levels
293 Kelvin Cross Sections

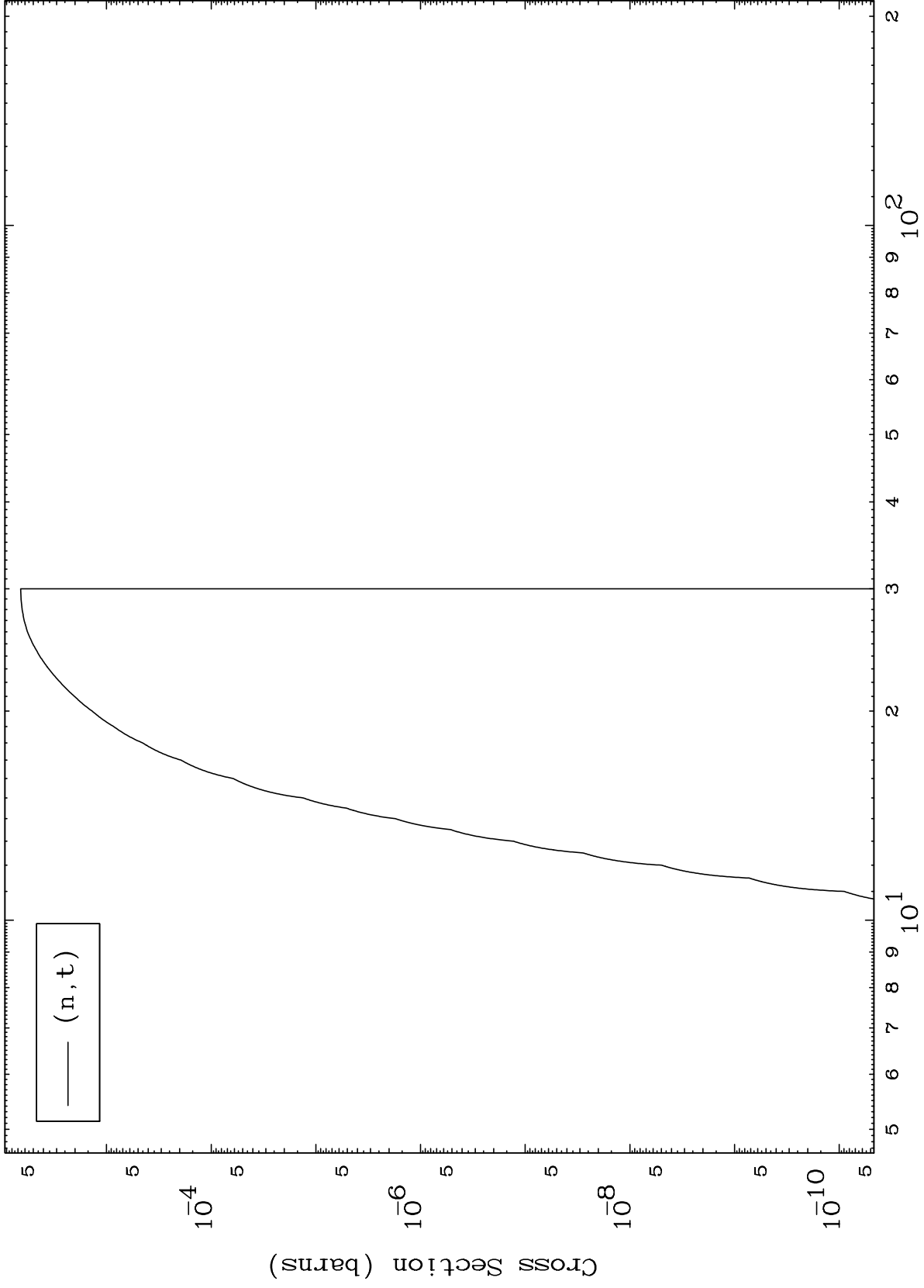
80-Hg-197



MAT 8028

(n,t) Levels
293 Kelvin Cross Sections

80-Hg-197



12

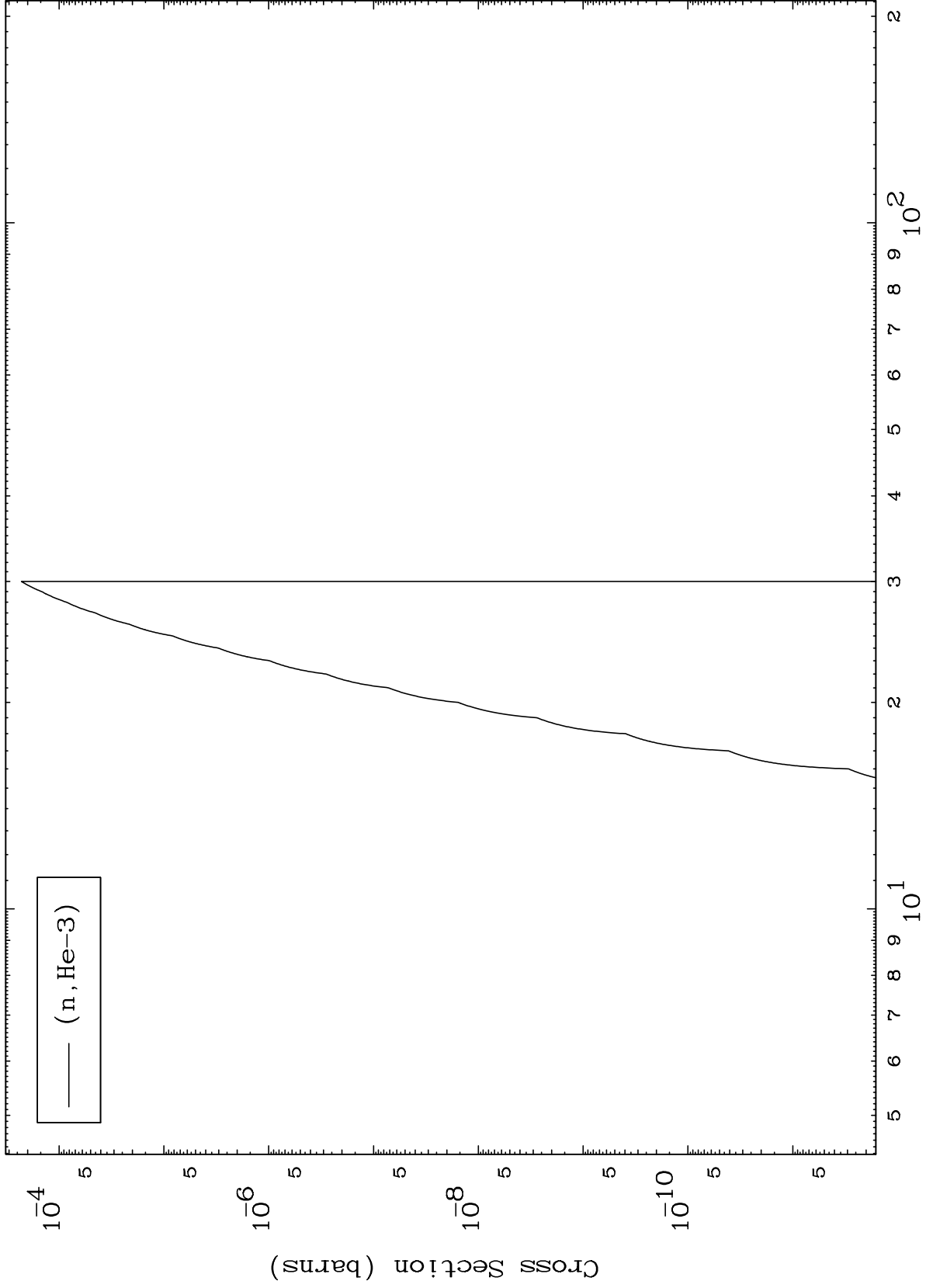
Incident Energy (MeV)

80-Hg-197

MAT 8028

(n,He3) Levels
293 Kelvin Cross Sections

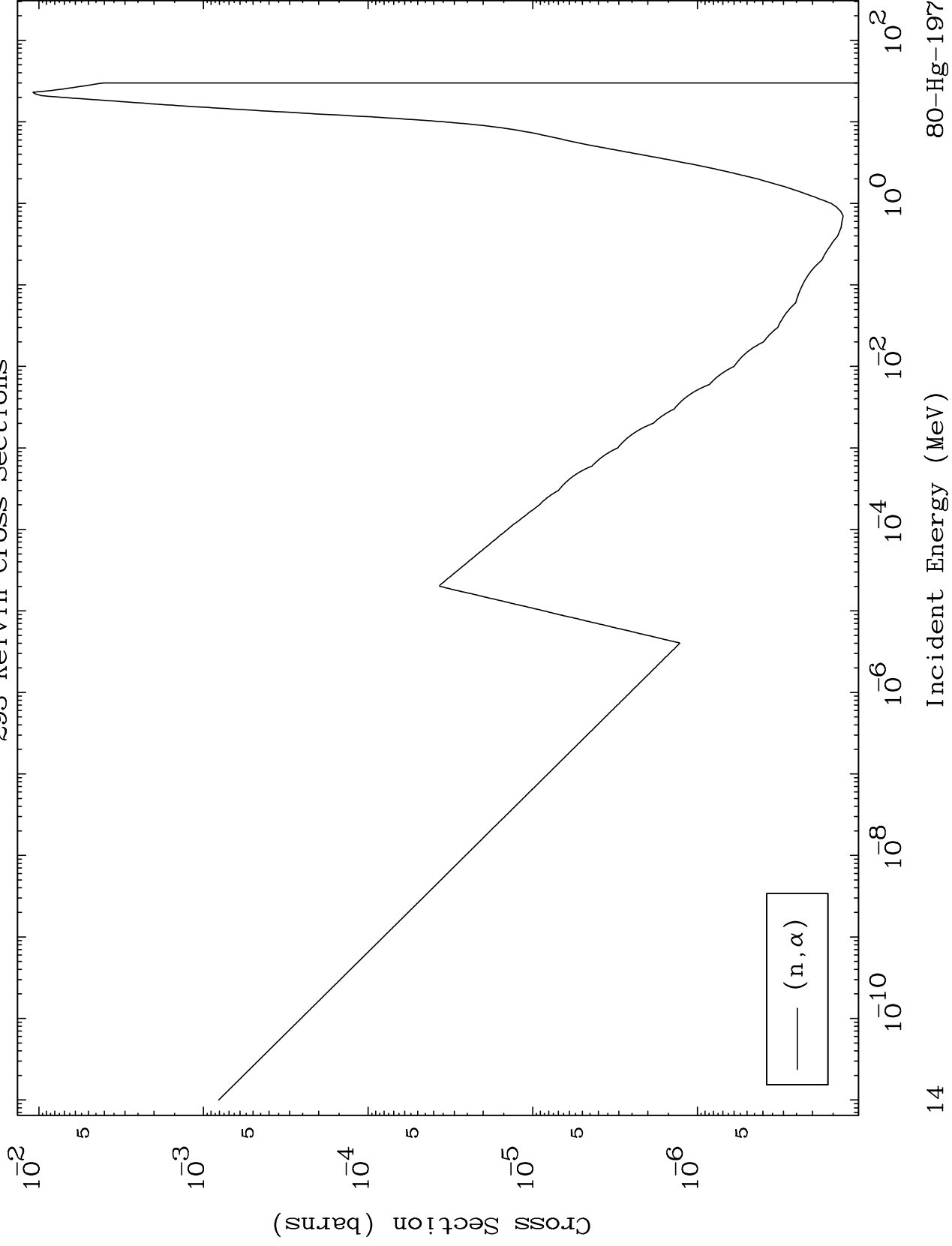
80-Hg-197

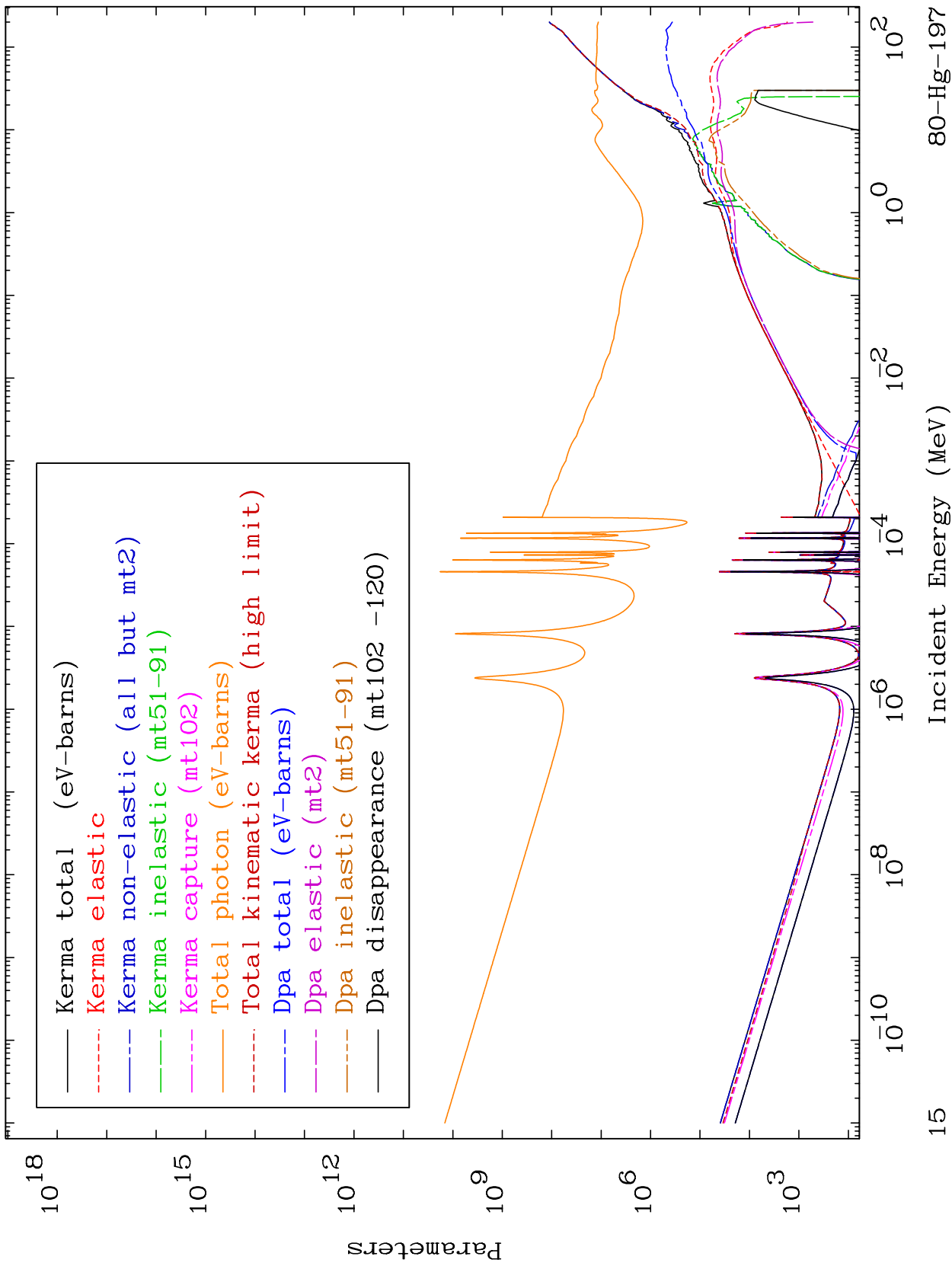


MAT 8028

(n, α) Levels
293 Kelvin Cross Sections

80-Hg-197

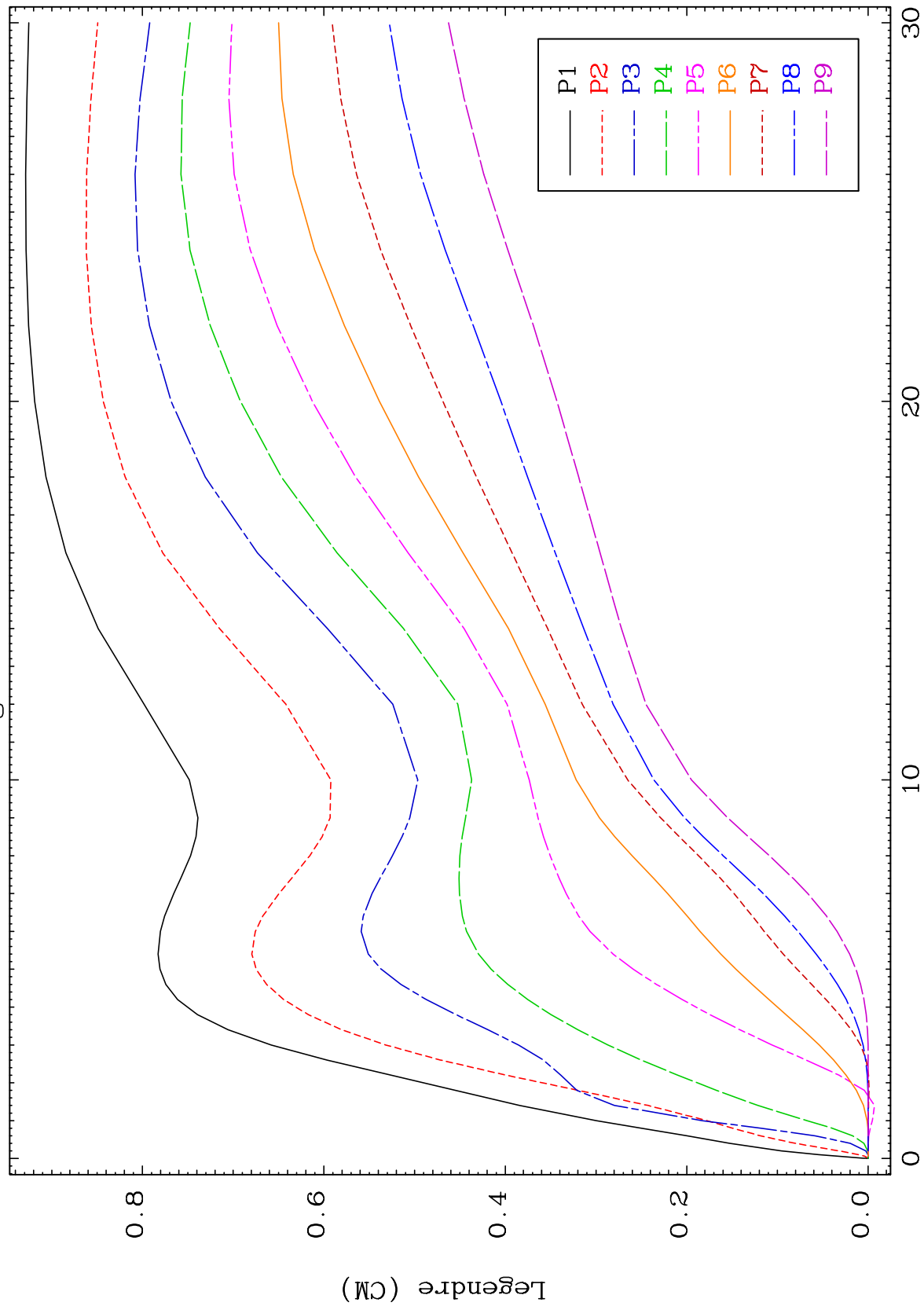




MAT 8028

Elastic Legendre Coefficients

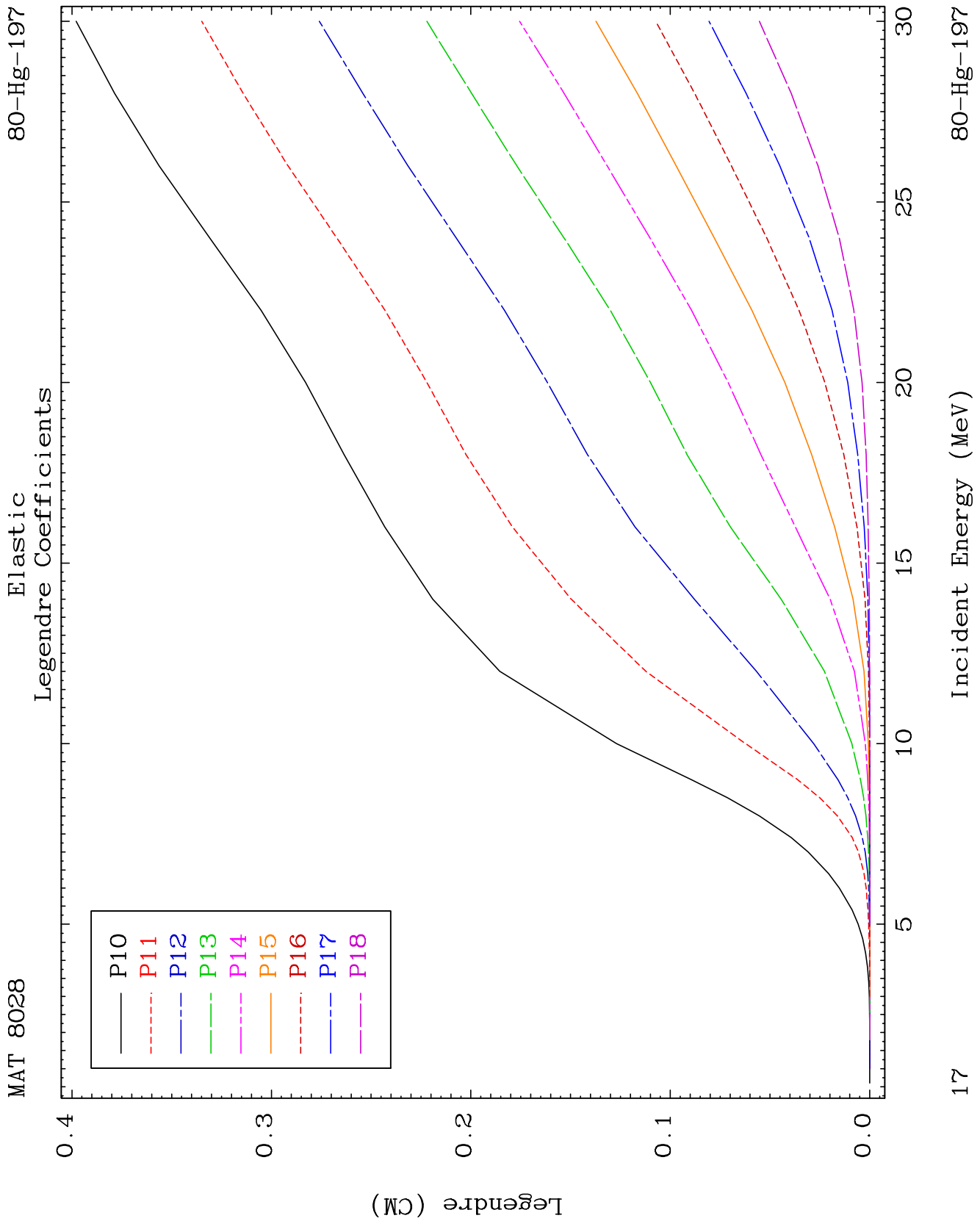
80-Hg-197



16

Incident Energy (MeV)

80-Hg-197



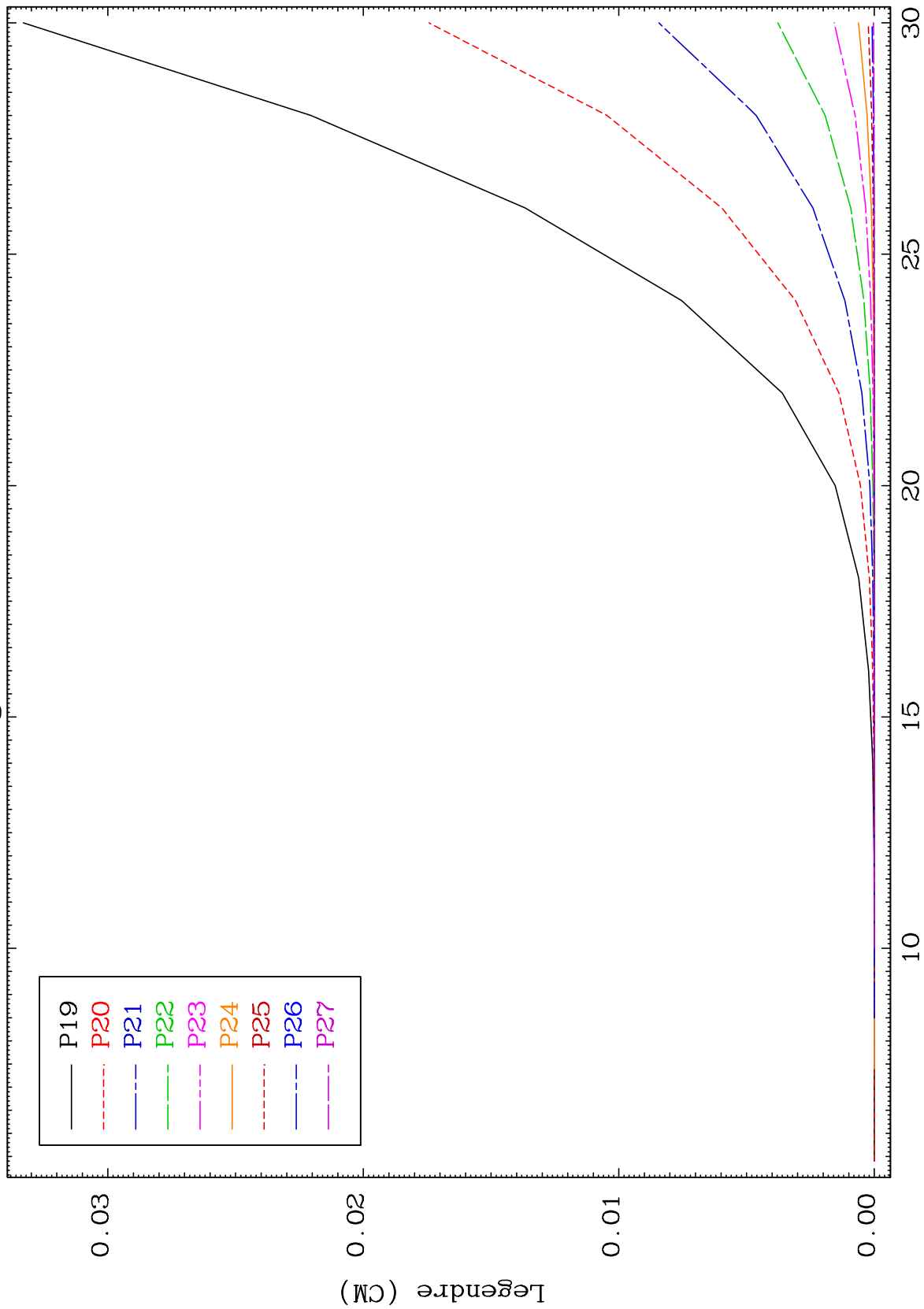
MAT 8028

17

MAT 8028

Elastic Legendre Coefficients

80-Hg-197



18

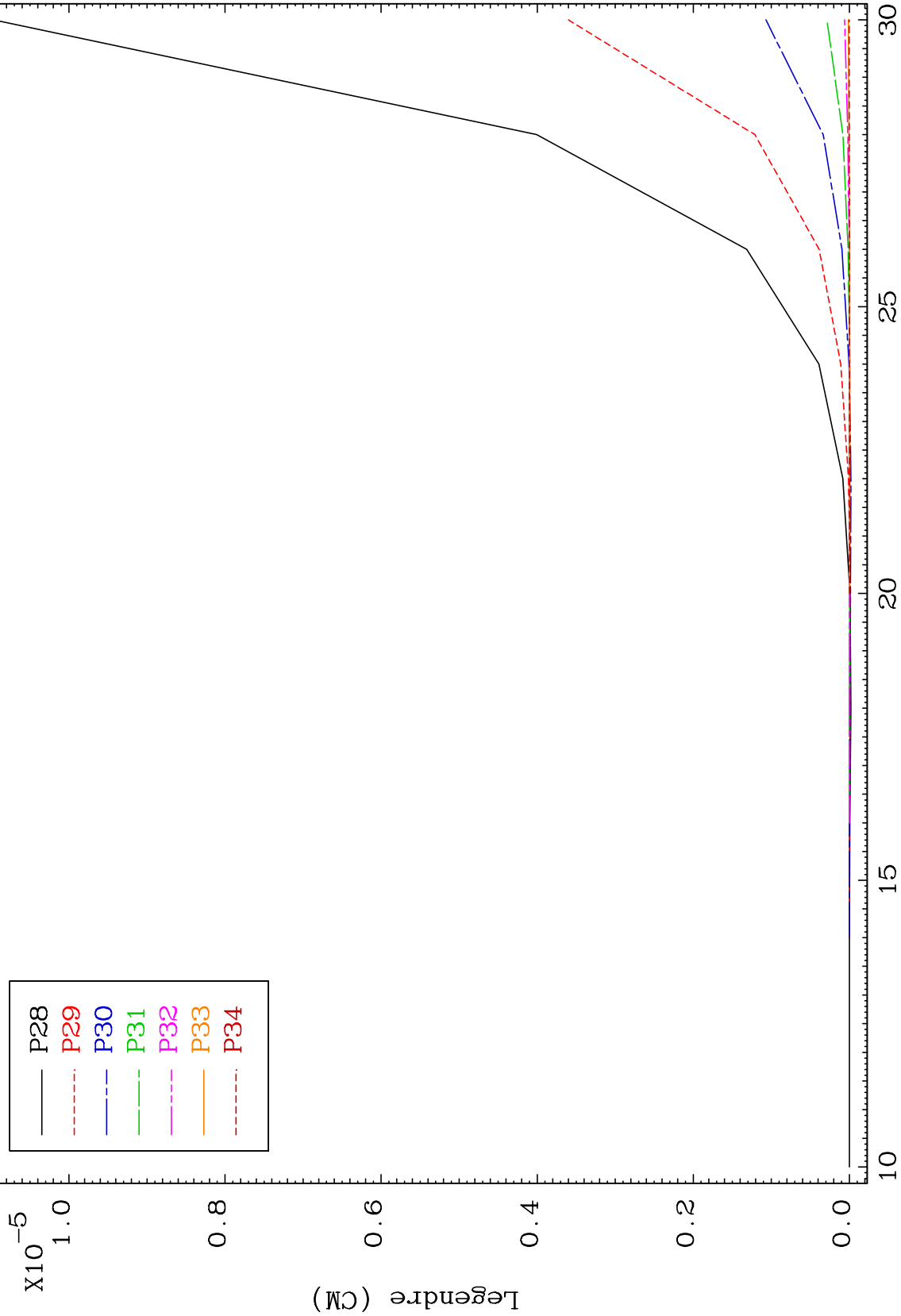
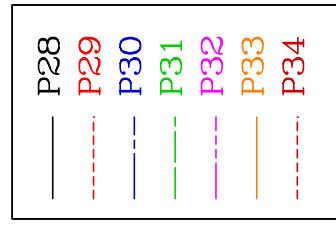
Incident Energy (MeV)

80-Hg-197

MAT 8028

Elastic Legendre Coefficients

80-Hg-197



80-Hg-197

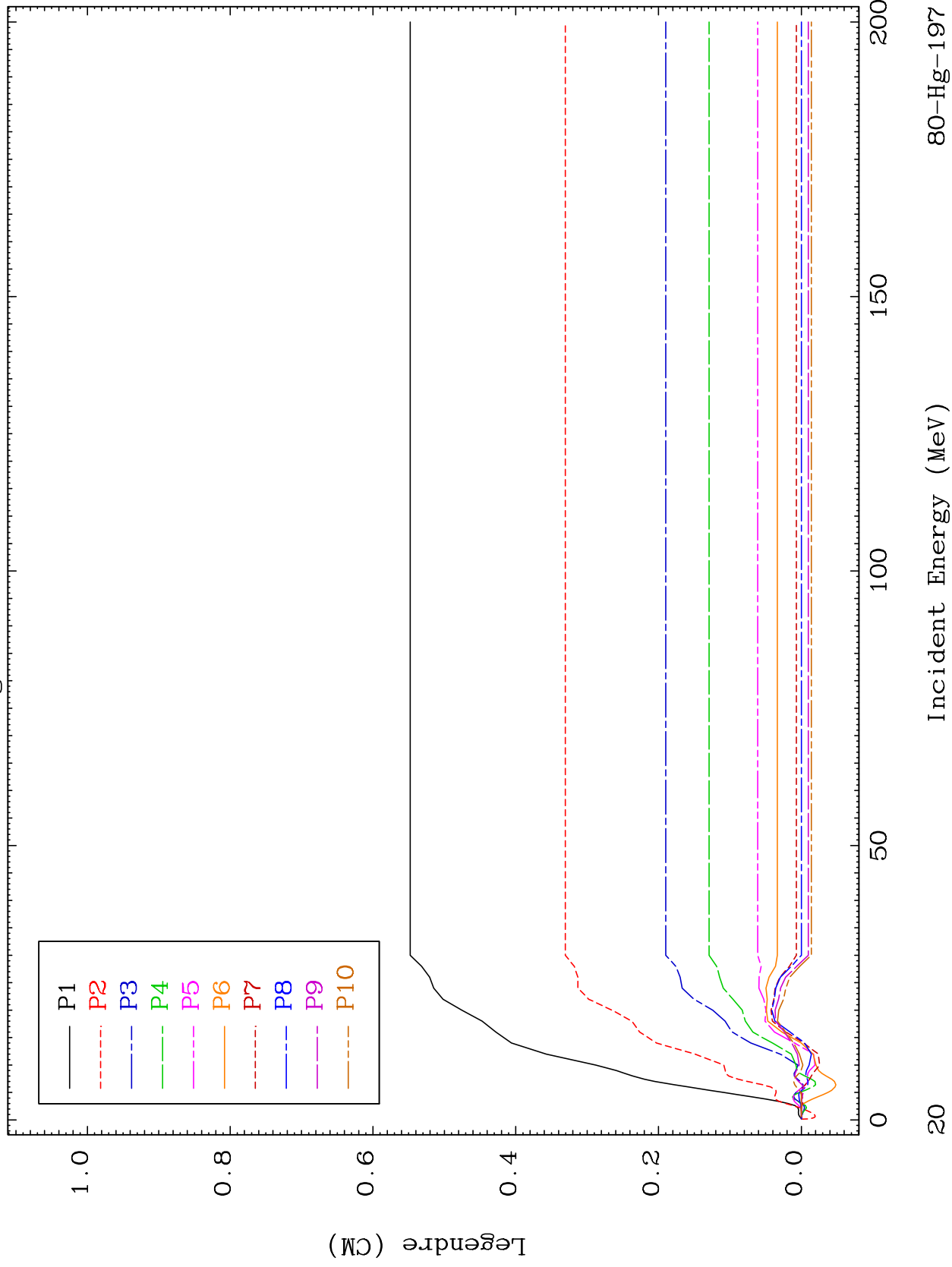
Incident Energy (MeV)

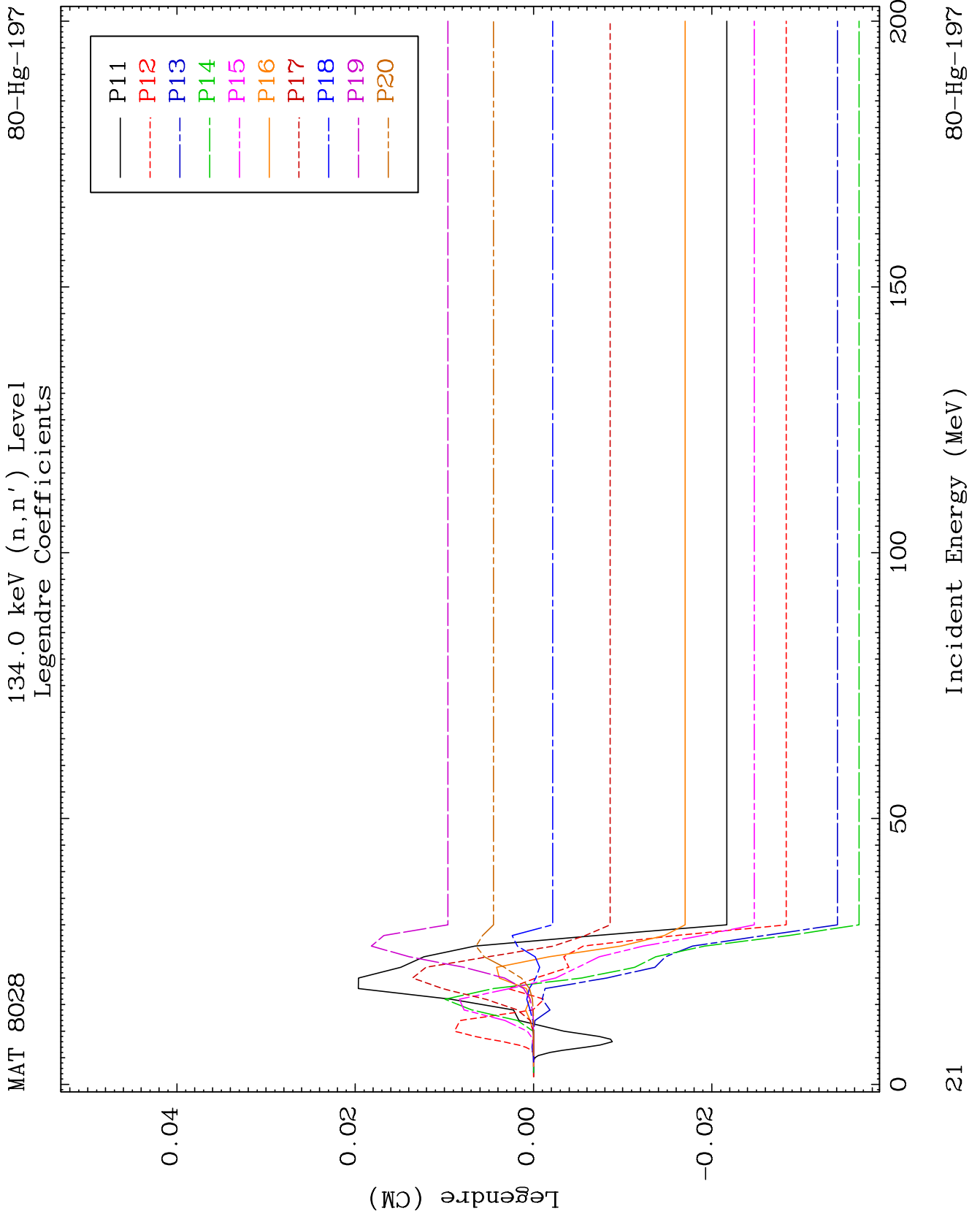
19

MAT 8028

134.0 keV (n,n') Level
Legendre Coefficients

80-Hg-197

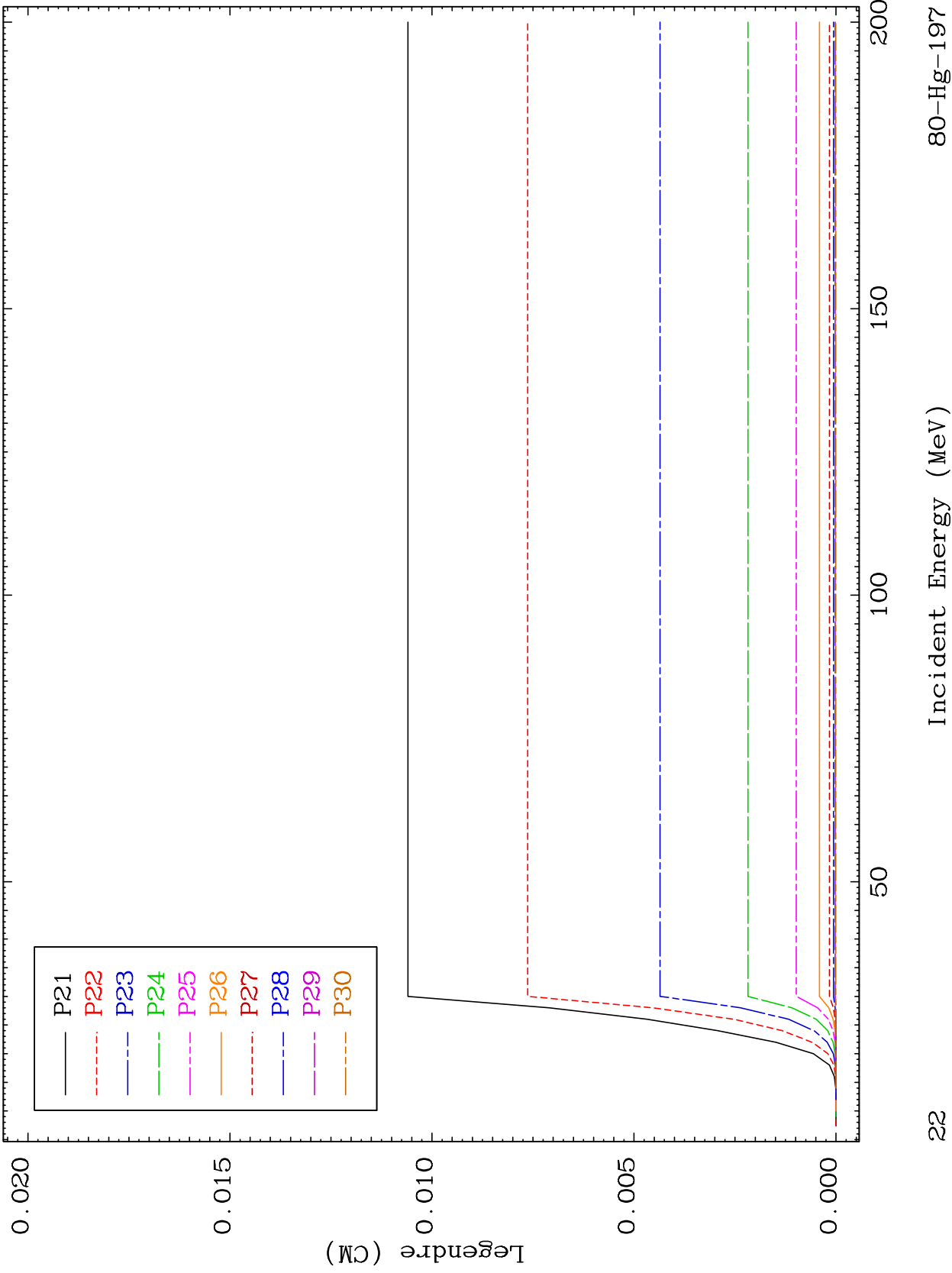




MAT 8028

134.0 keV (n,n') Level
Legendre Coefficients

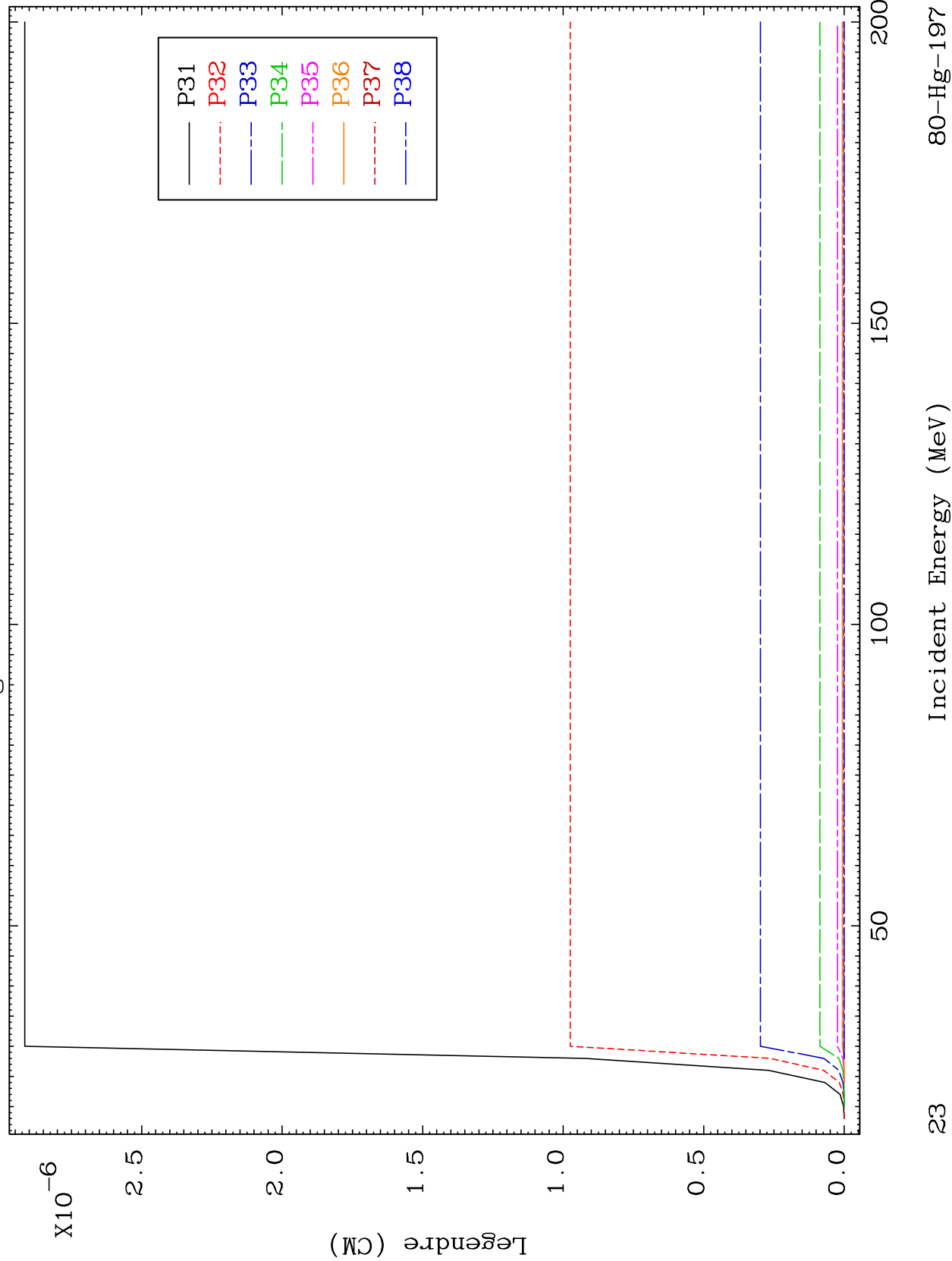
80-Hg-197



22

Incident Energy (MeV)

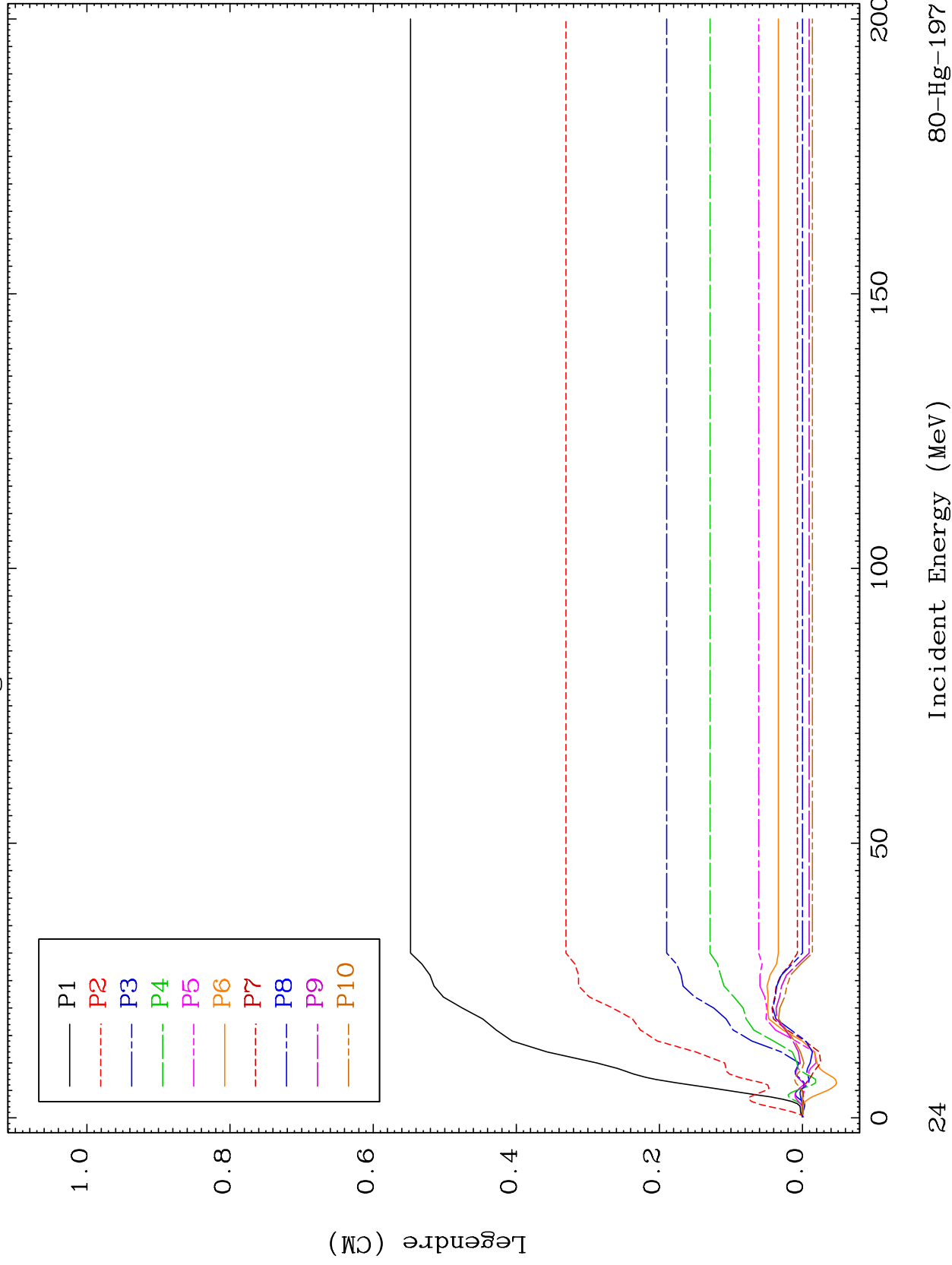
80-Hg-197



MAT 8028

152.1 keV (n,n') Level
Legendre Coefficients

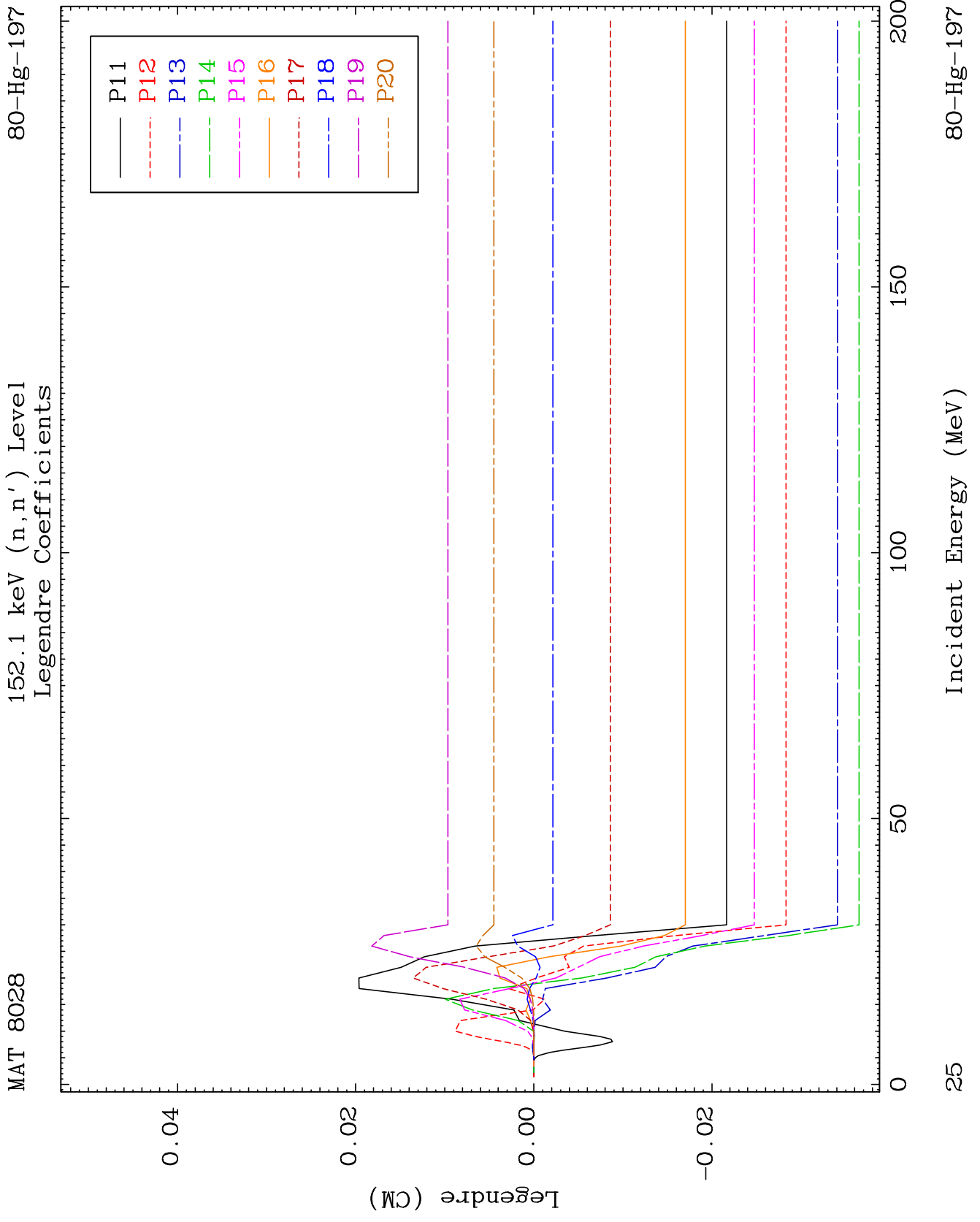
80-Hg-197



24

Incident Energy (MeV)

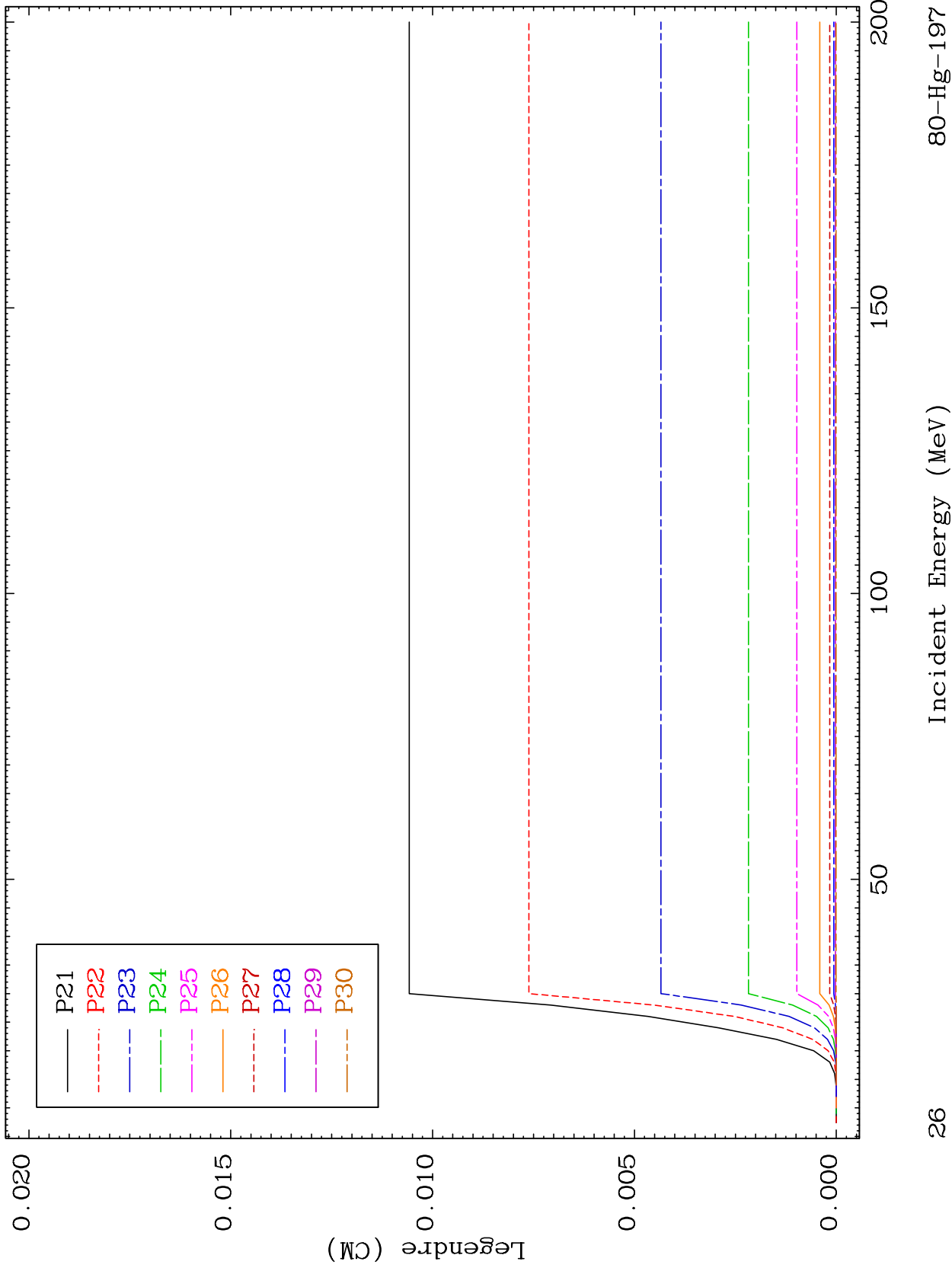
80-Hg-197



MAT 8028

152.1 keV (n,n') Level
Legendre Coefficients

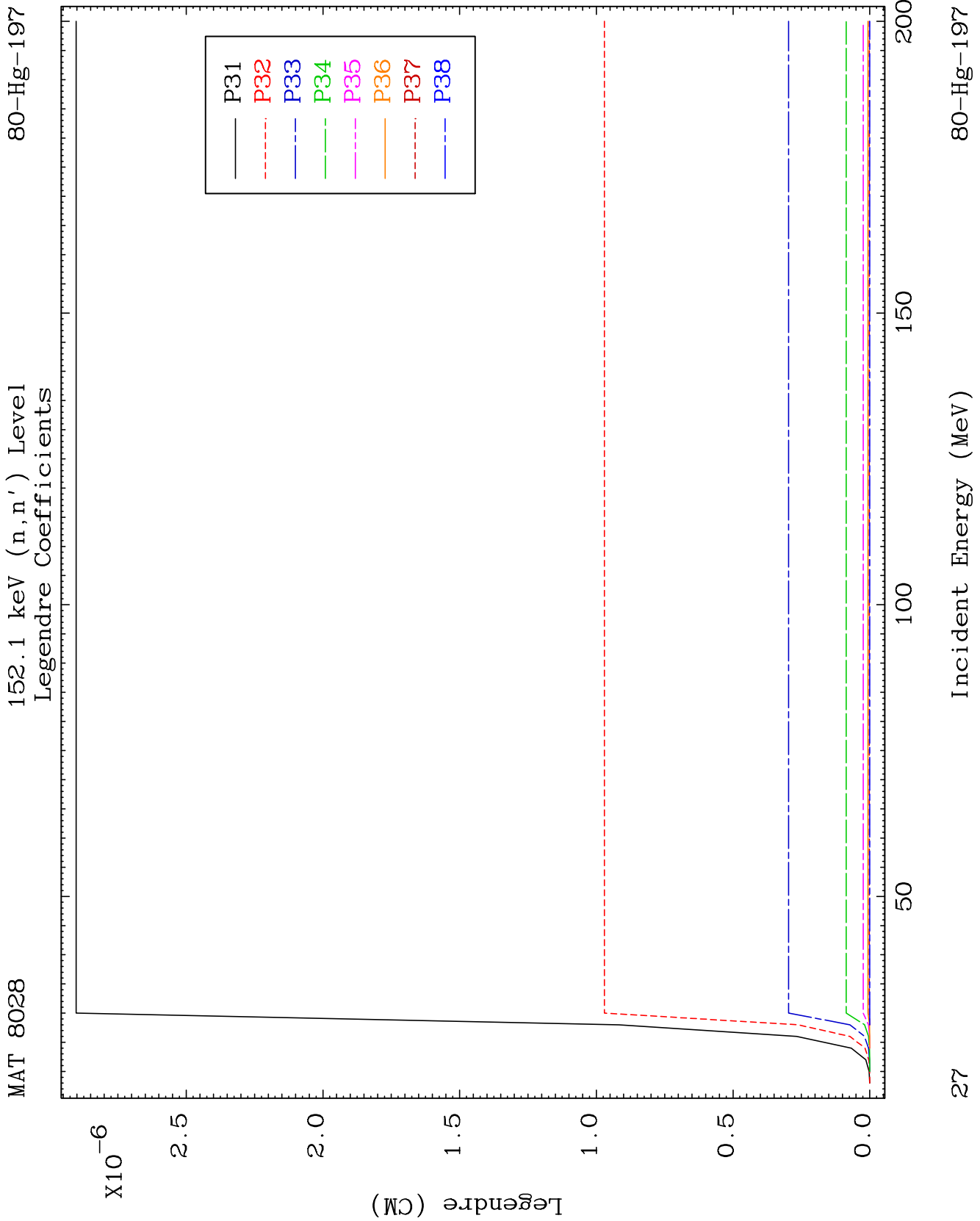
80-Hg-197



26

Incident Energy (MeV)

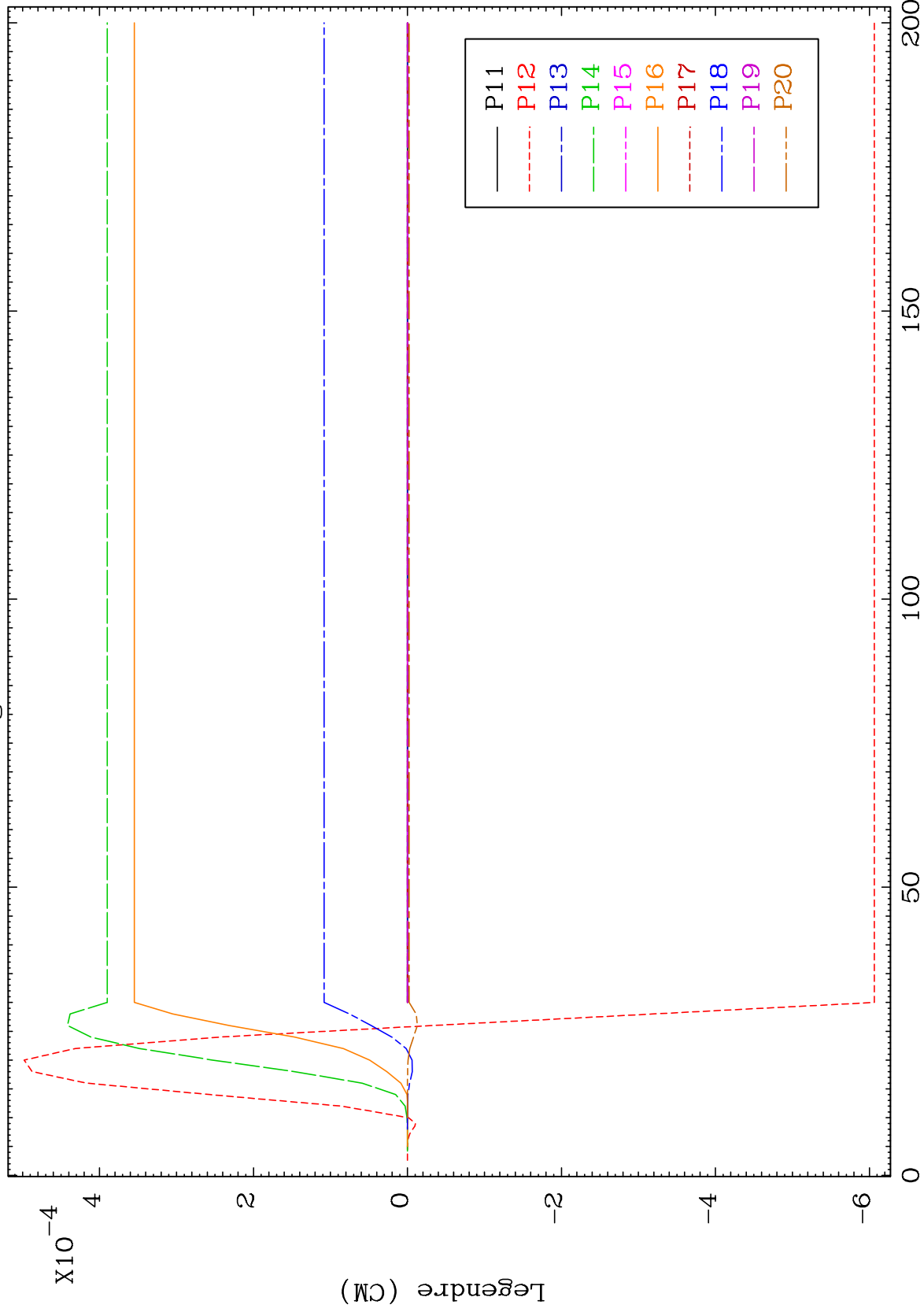
80-Hg-197



MAT 8028

250.0 keV (n,n') Level
Legendre Coefficients

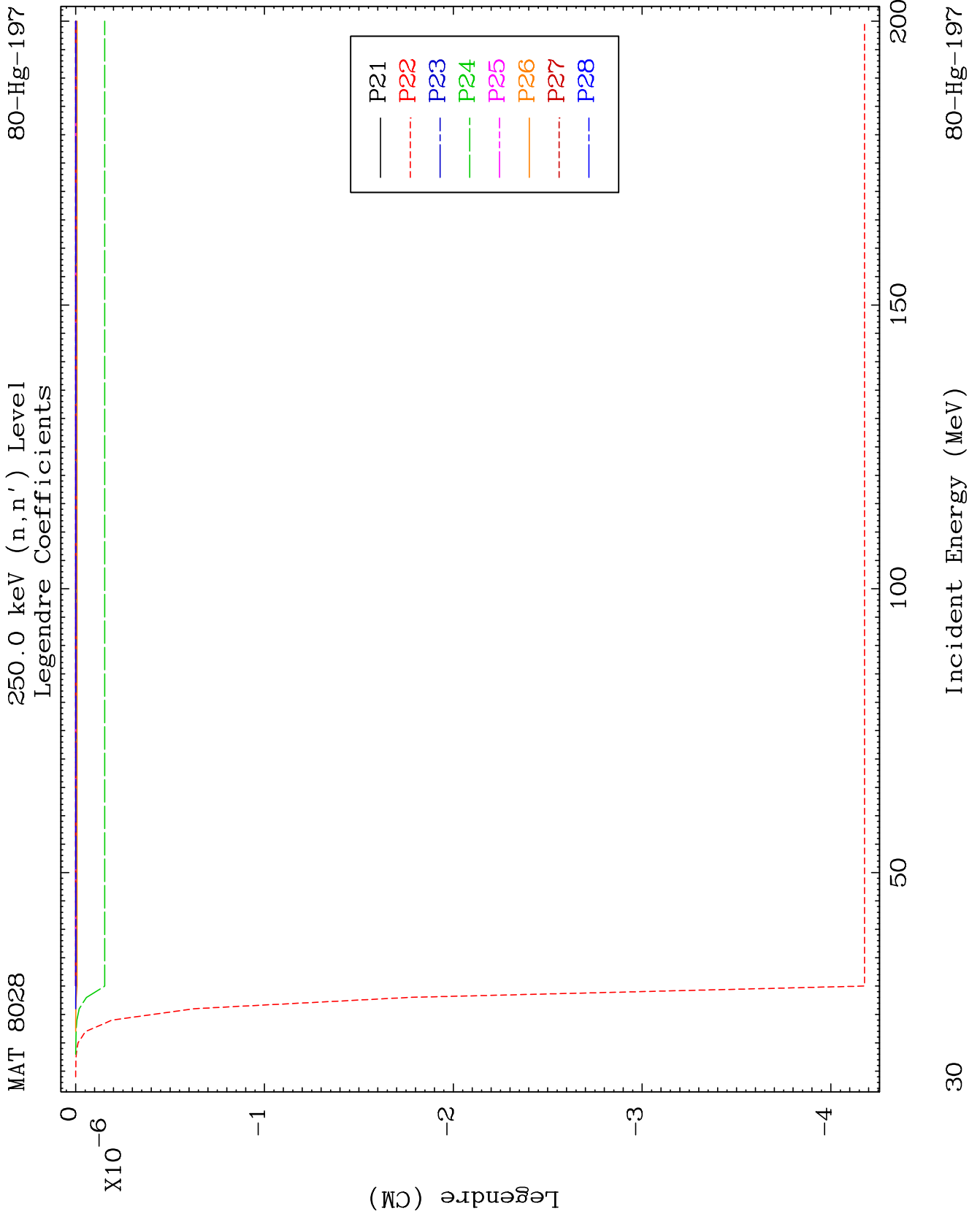
80-Hg-197



29

80-Hg-197

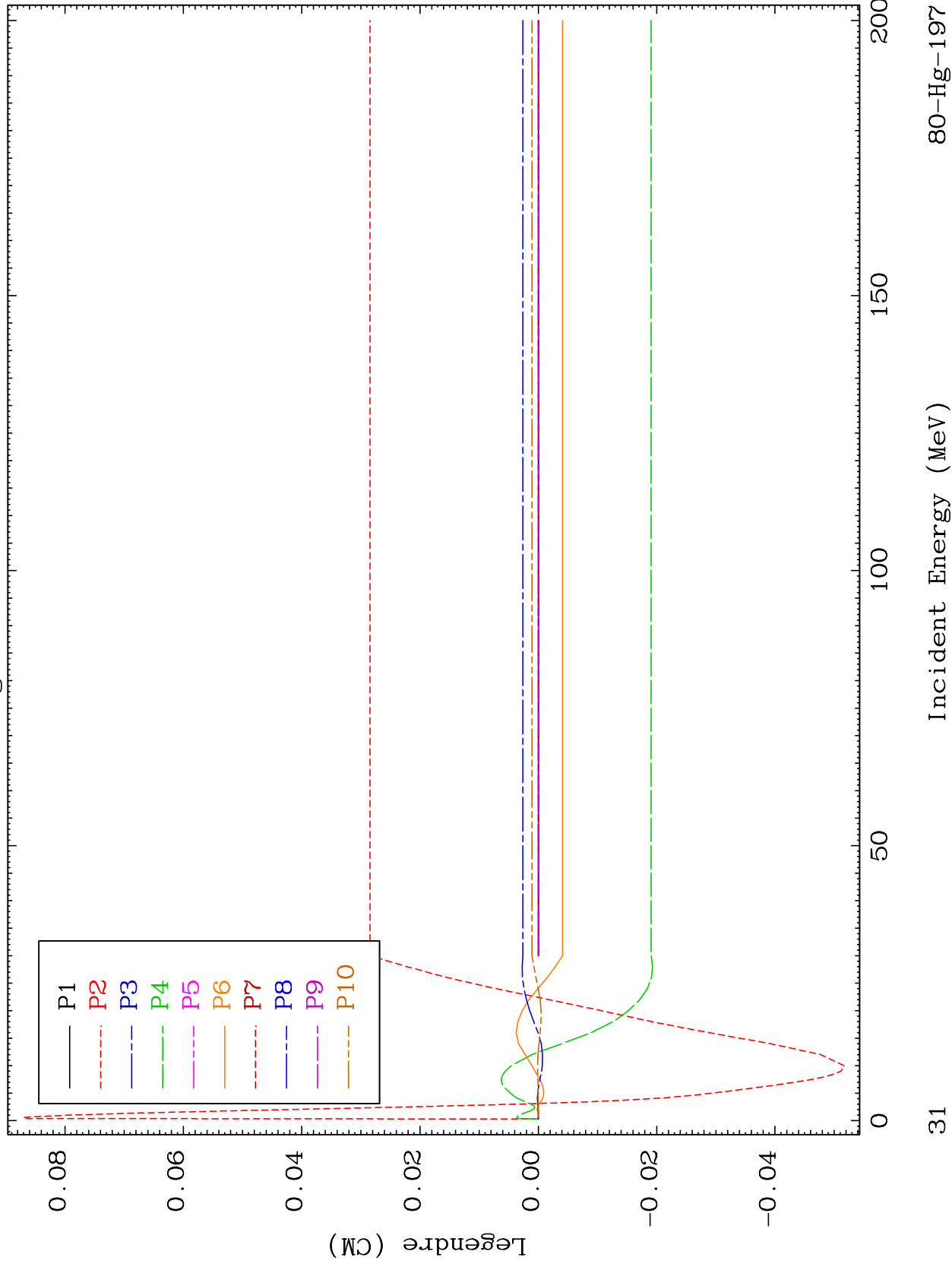
80-Hg-197



MAT 8028

298.9 keV (n, n') Level
Legendre Coefficients

80-Hg-197



31

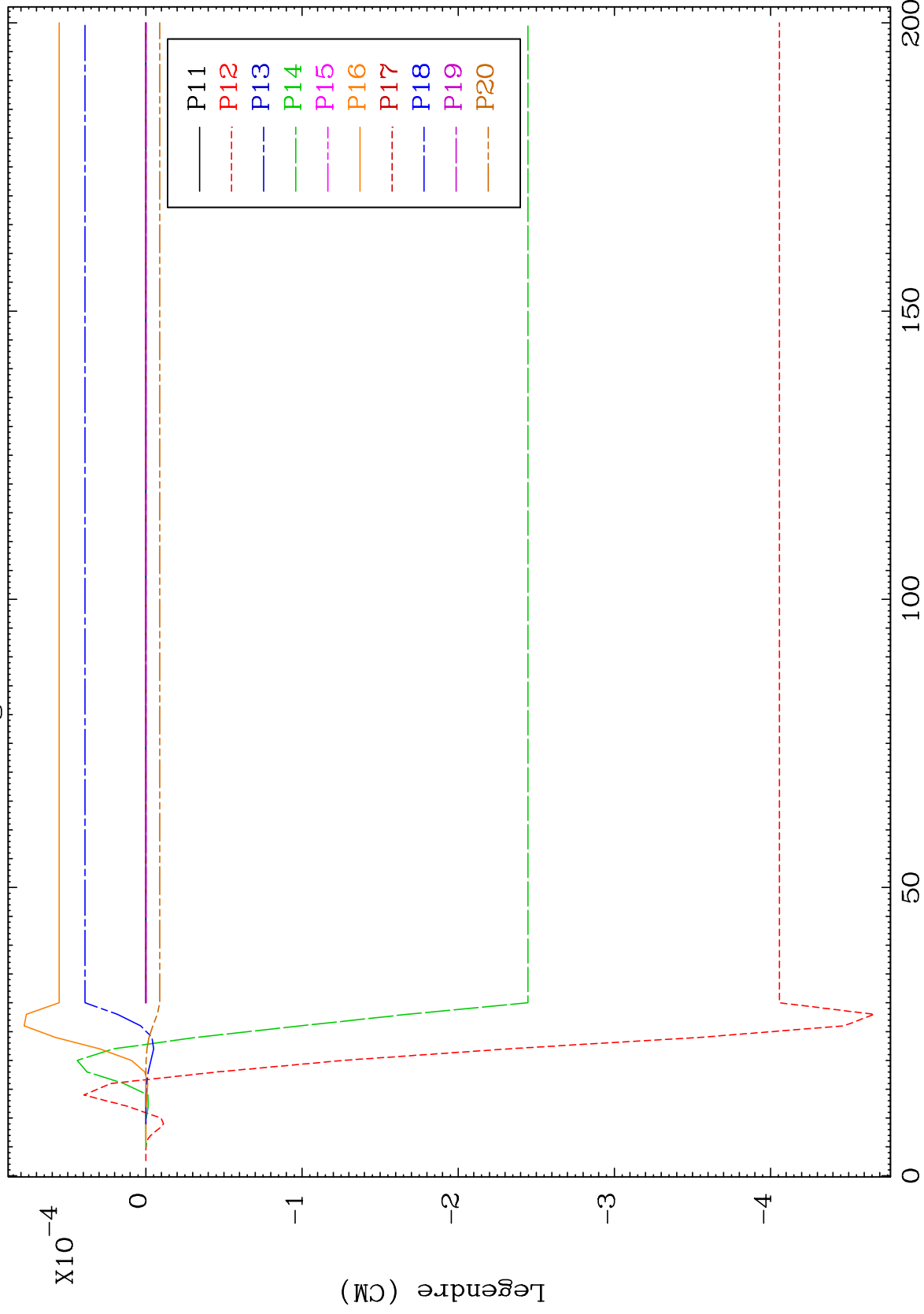
Incident Energy (MeV)

80-Hg-197

MAT 8028

298.9 keV (n,n') Level
Legendre Coefficients

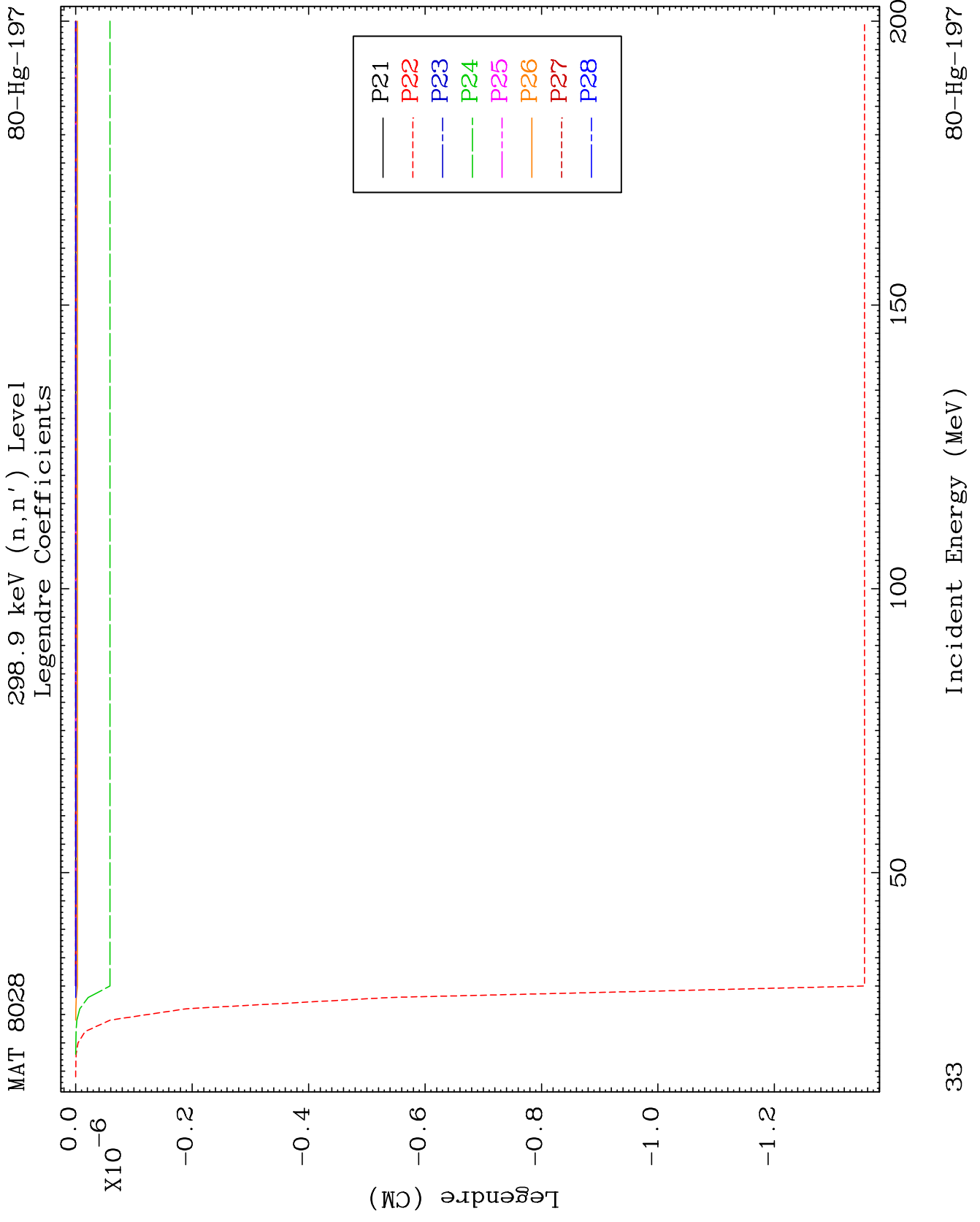
80-Hg-197



32

Incident Energy (MeV)

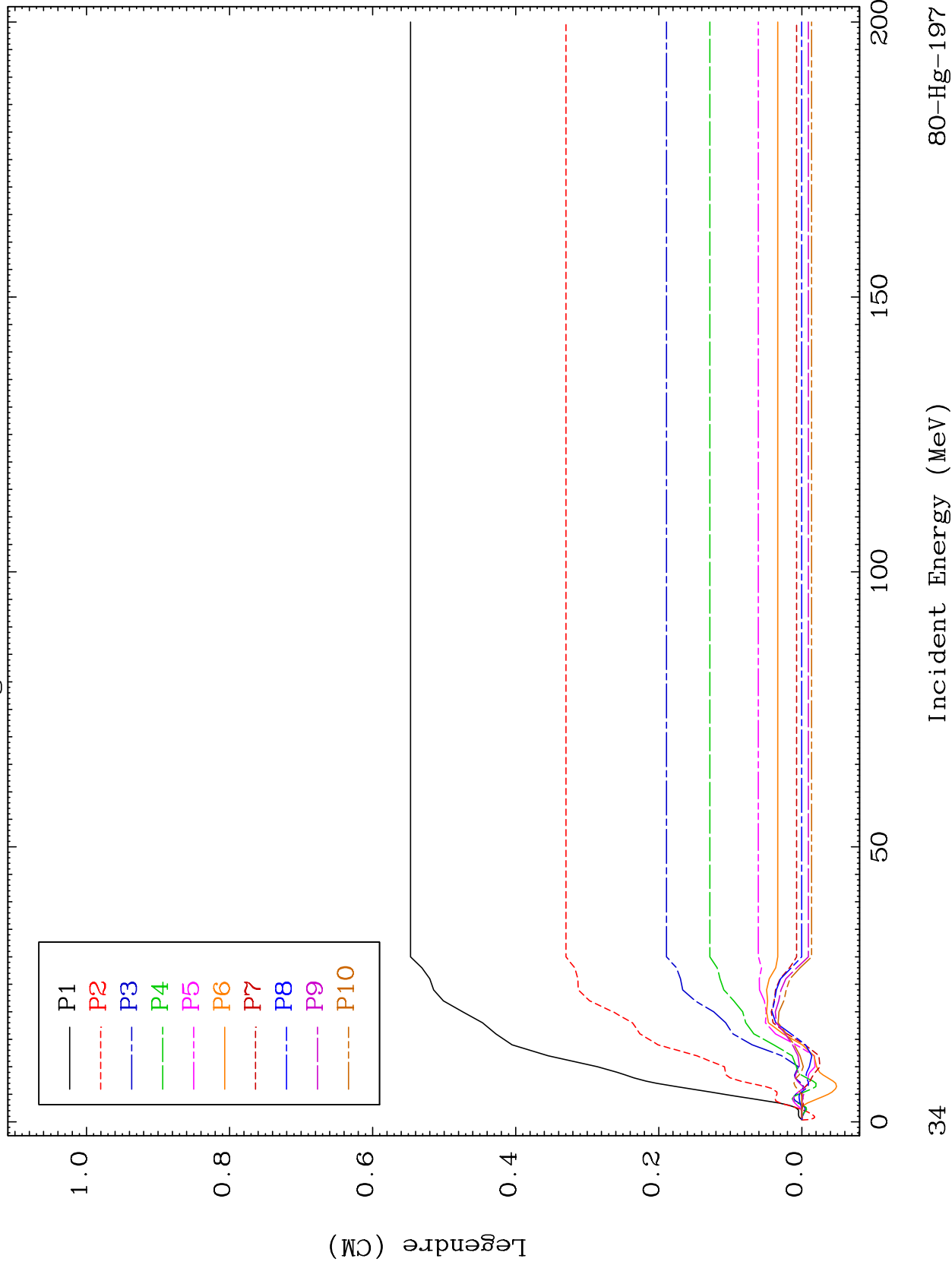
80-Hg-197

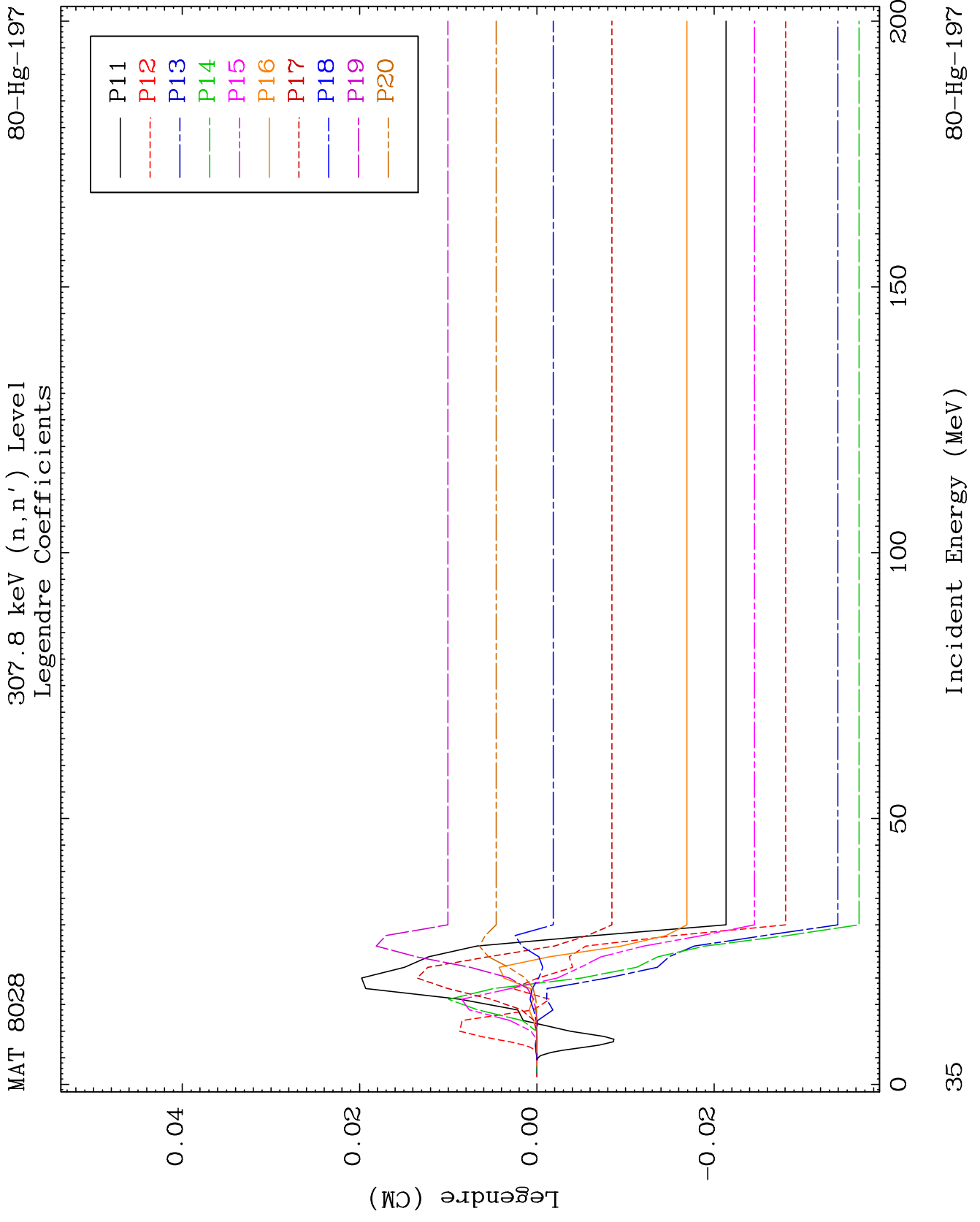


MAT 8028

307.8 keV (n,n') Level
Legendre Coefficients

80-Hg-197

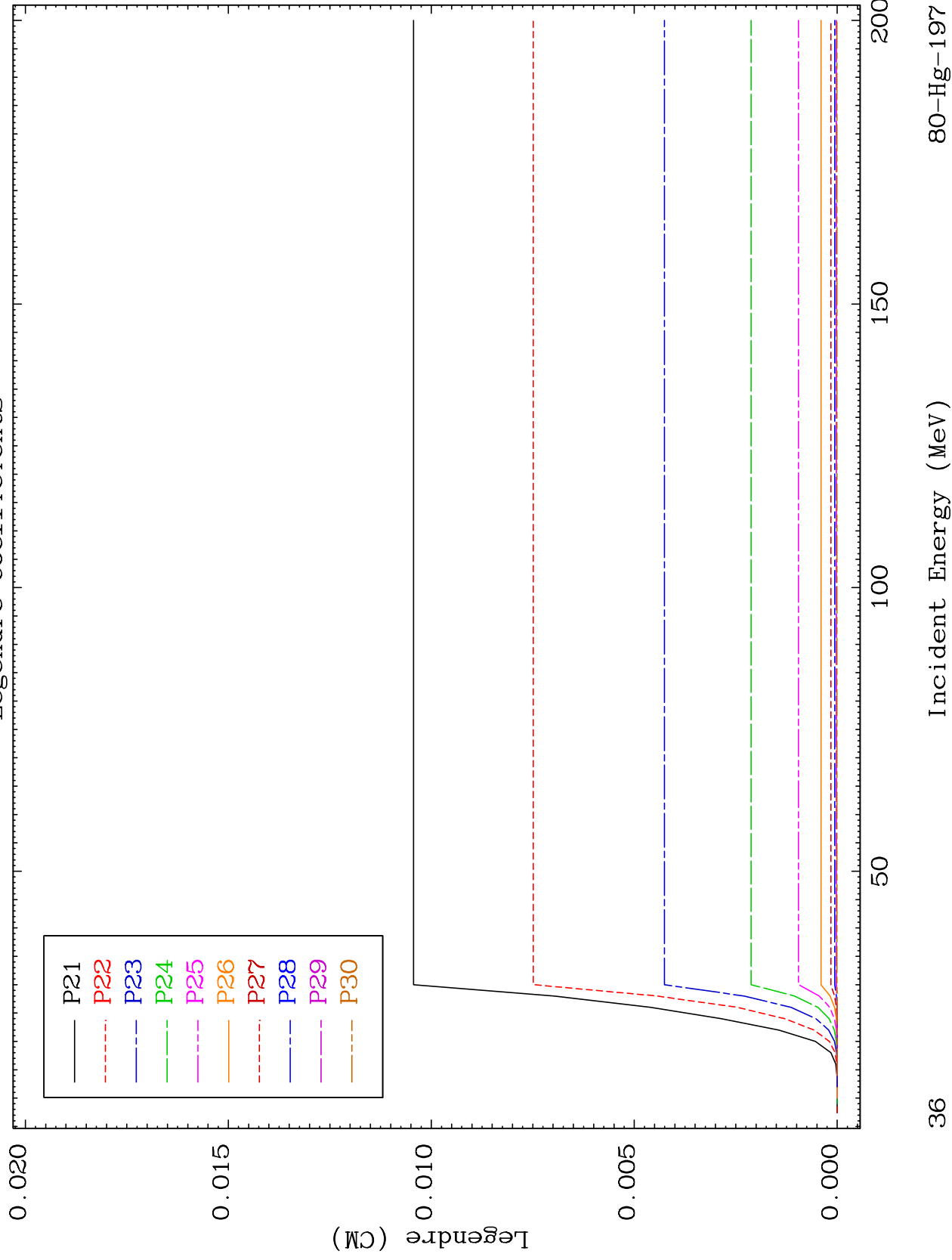




MAT 8028

307.8 keV (n,n') Level
Legendre Coefficients

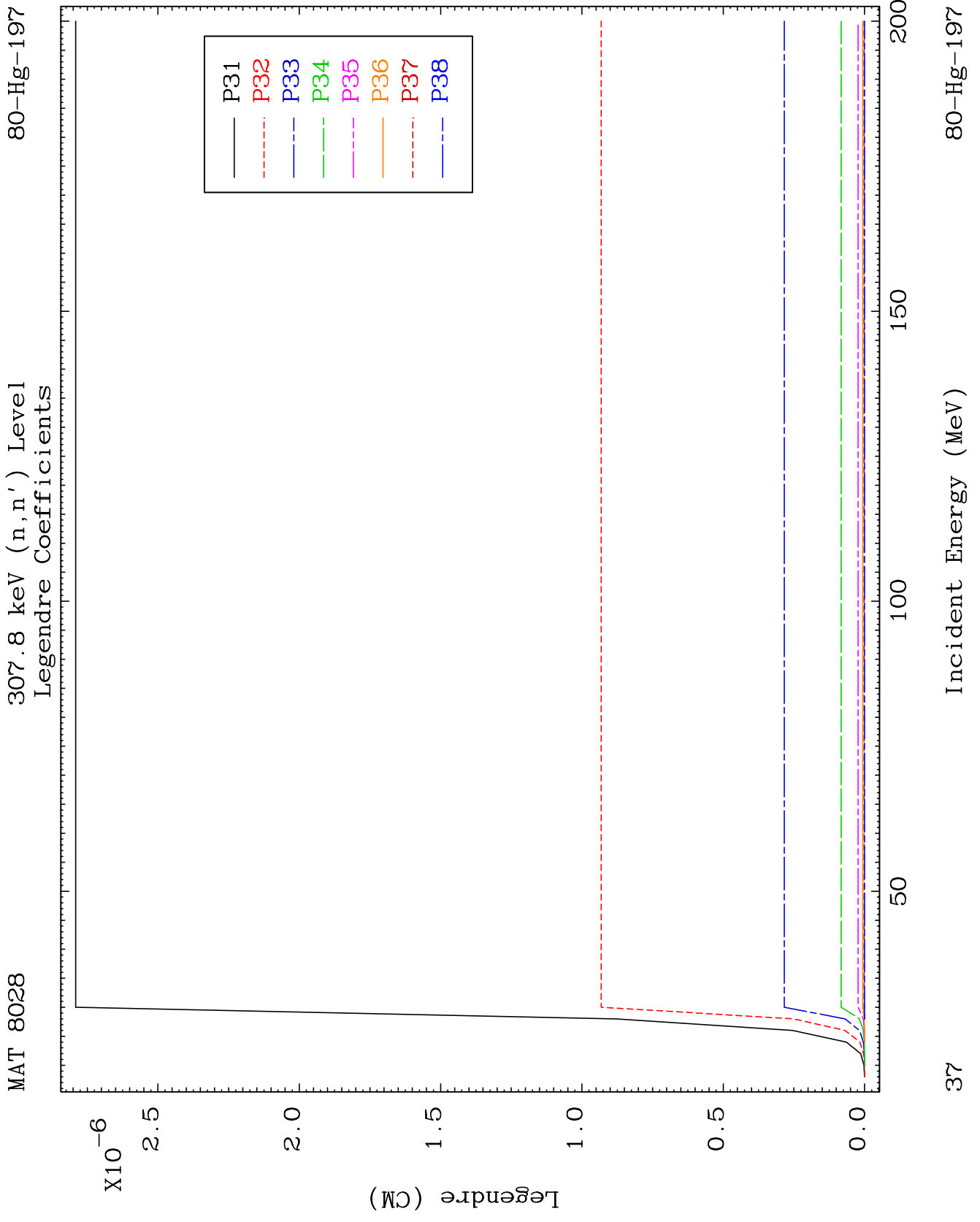
80-Hg-197



36

Incident Energy (MeV)

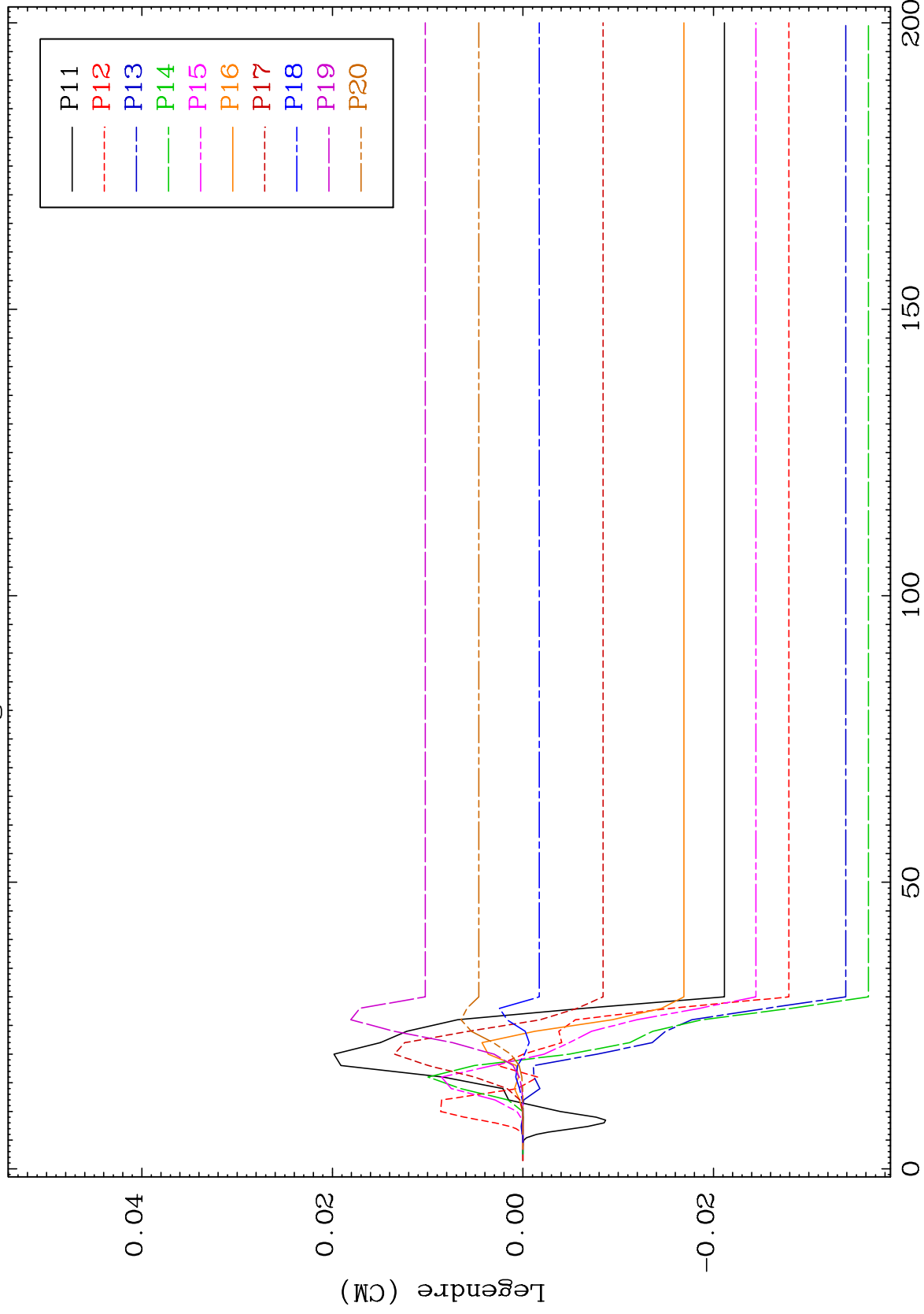
80-Hg-197



MAT 8028

393.1 keV (n,n') Level
Legendre Coefficients

80-Hg-197



39

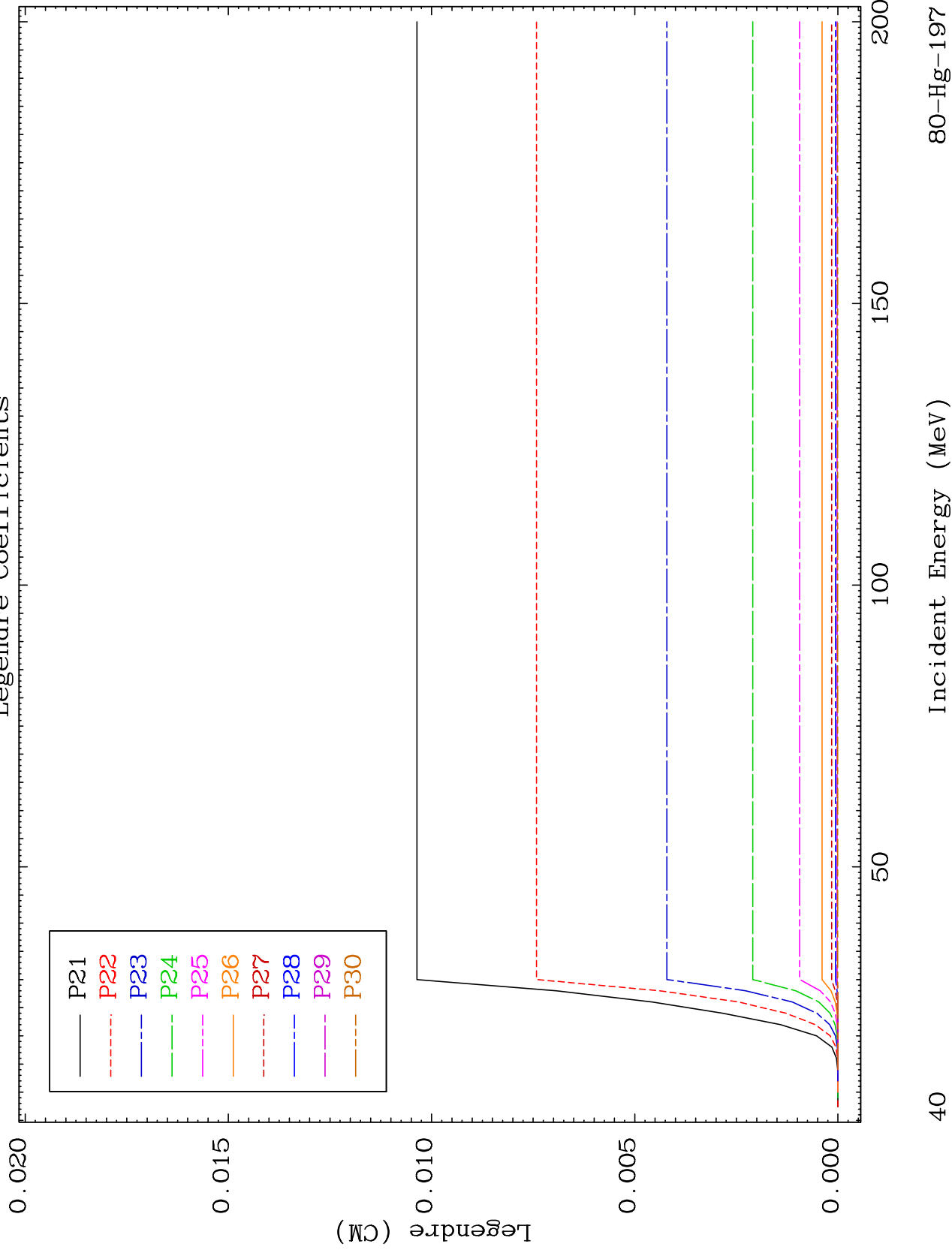
Incident Energy (MeV)

80-Hg-197

MAT 8028

393.1 keV (n,n') Level
Legendre Coefficients

80-Hg-197



80-Hg-197

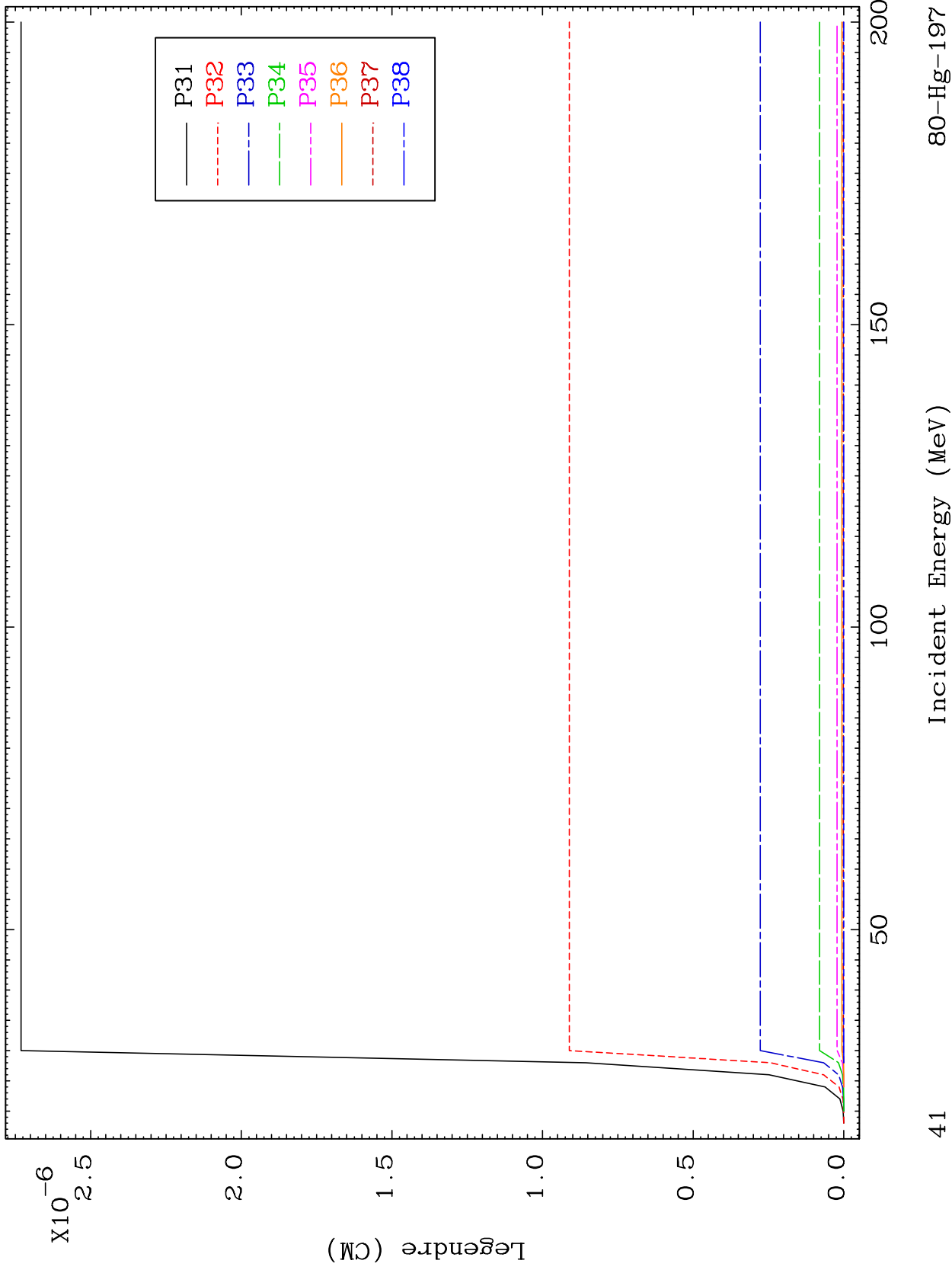
Incident Energy (MeV)

40

MAT 8028

393.1 keV (n,n') Level
Legendre Coefficients

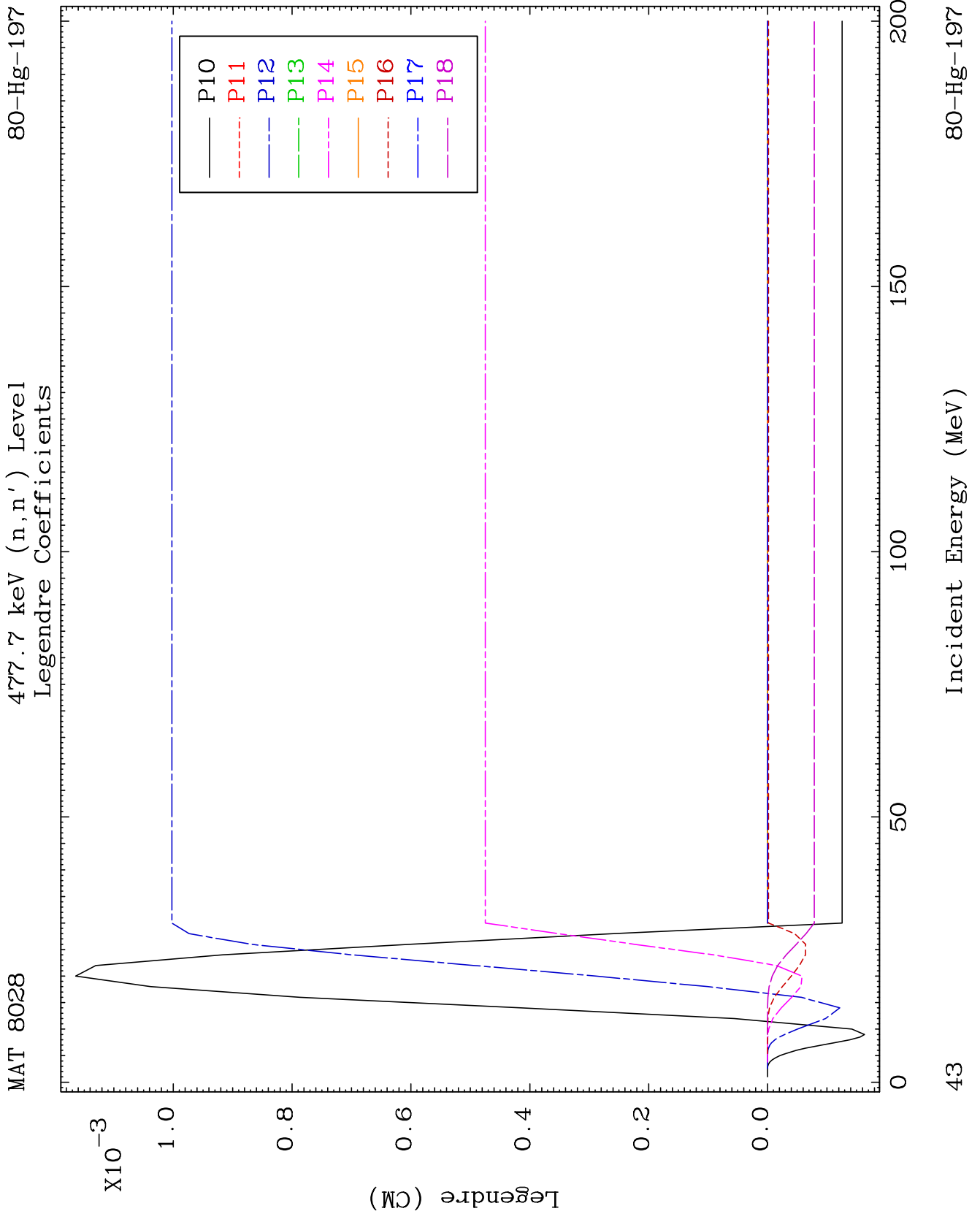
80-Hg-197

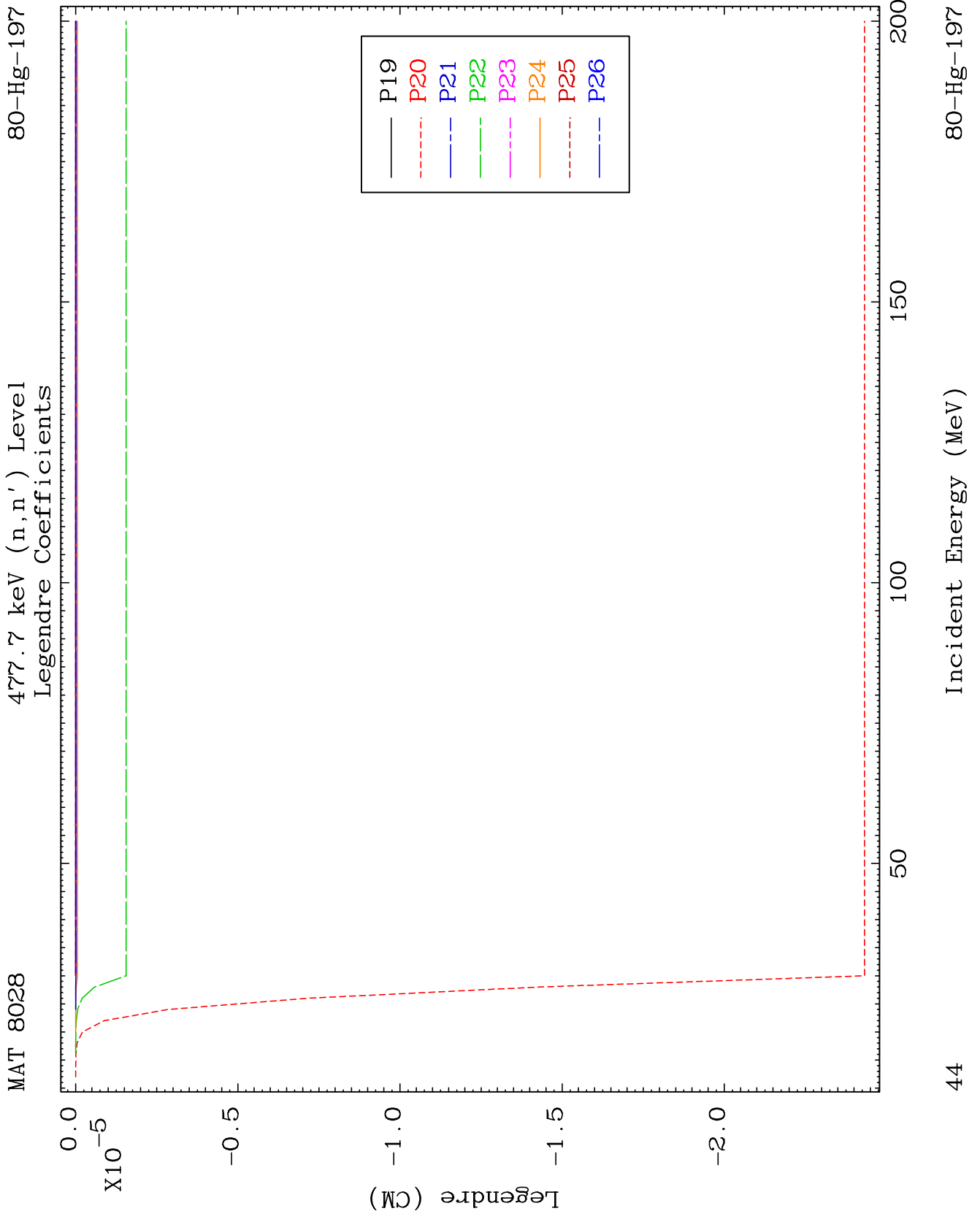


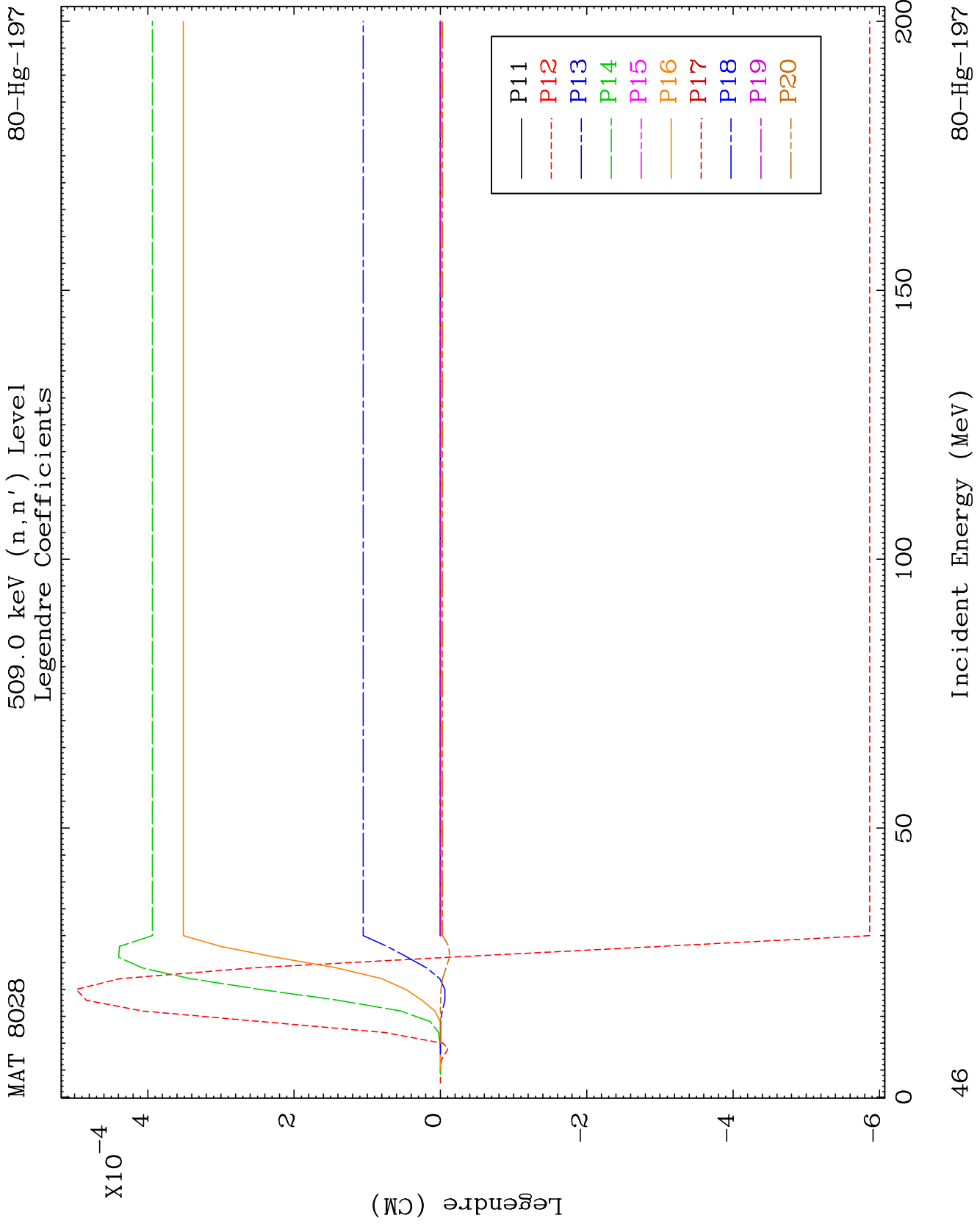
41

Incident Energy (MeV)

80-Hg-197



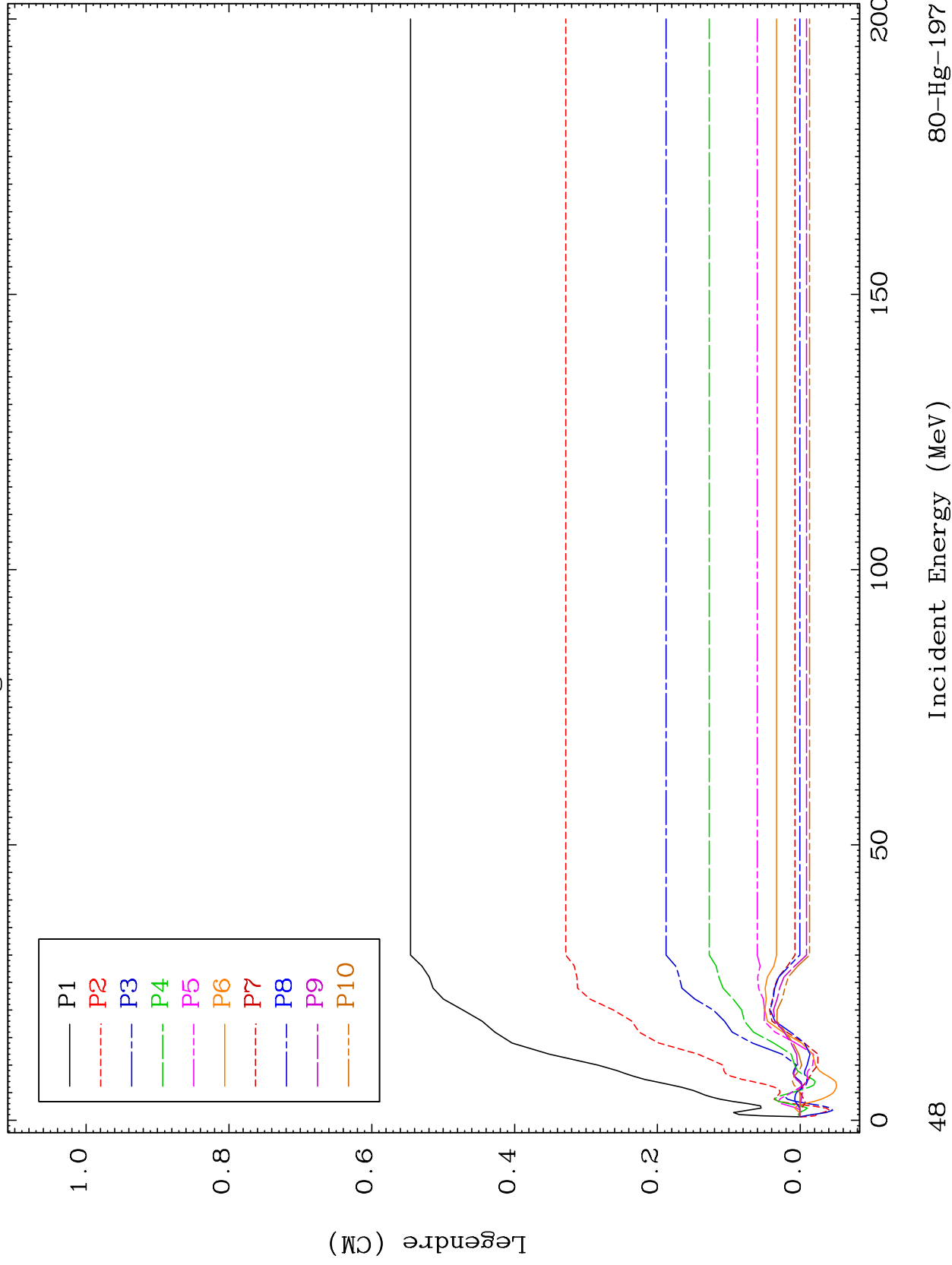




MAT 8028

557.8 keV (n, n') Level
Legendre Coefficients

80-Hg-197

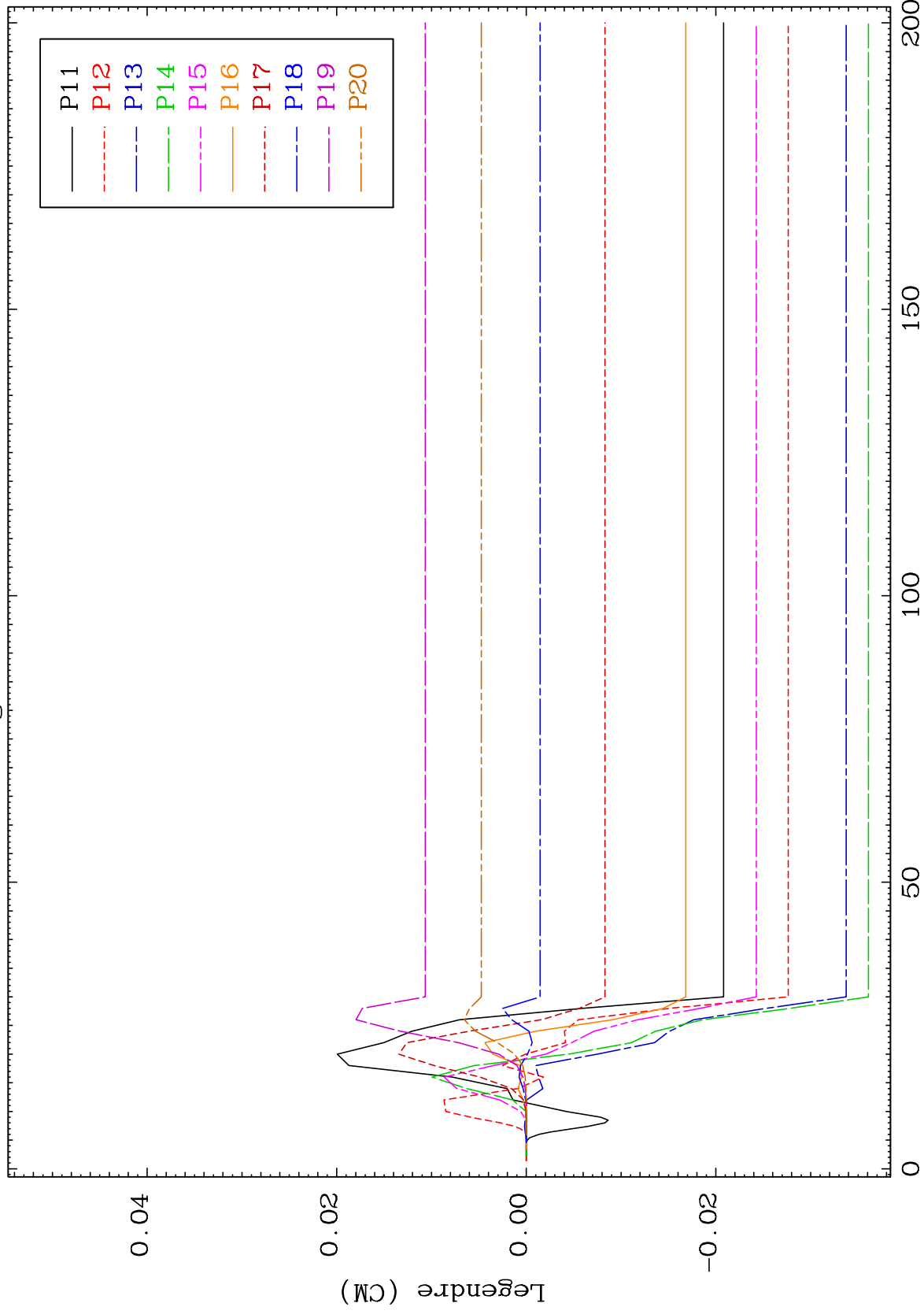


48

MAT 8028

557.8 keV (n, n') Level
Legendre Coefficients

80-Hg-197



49

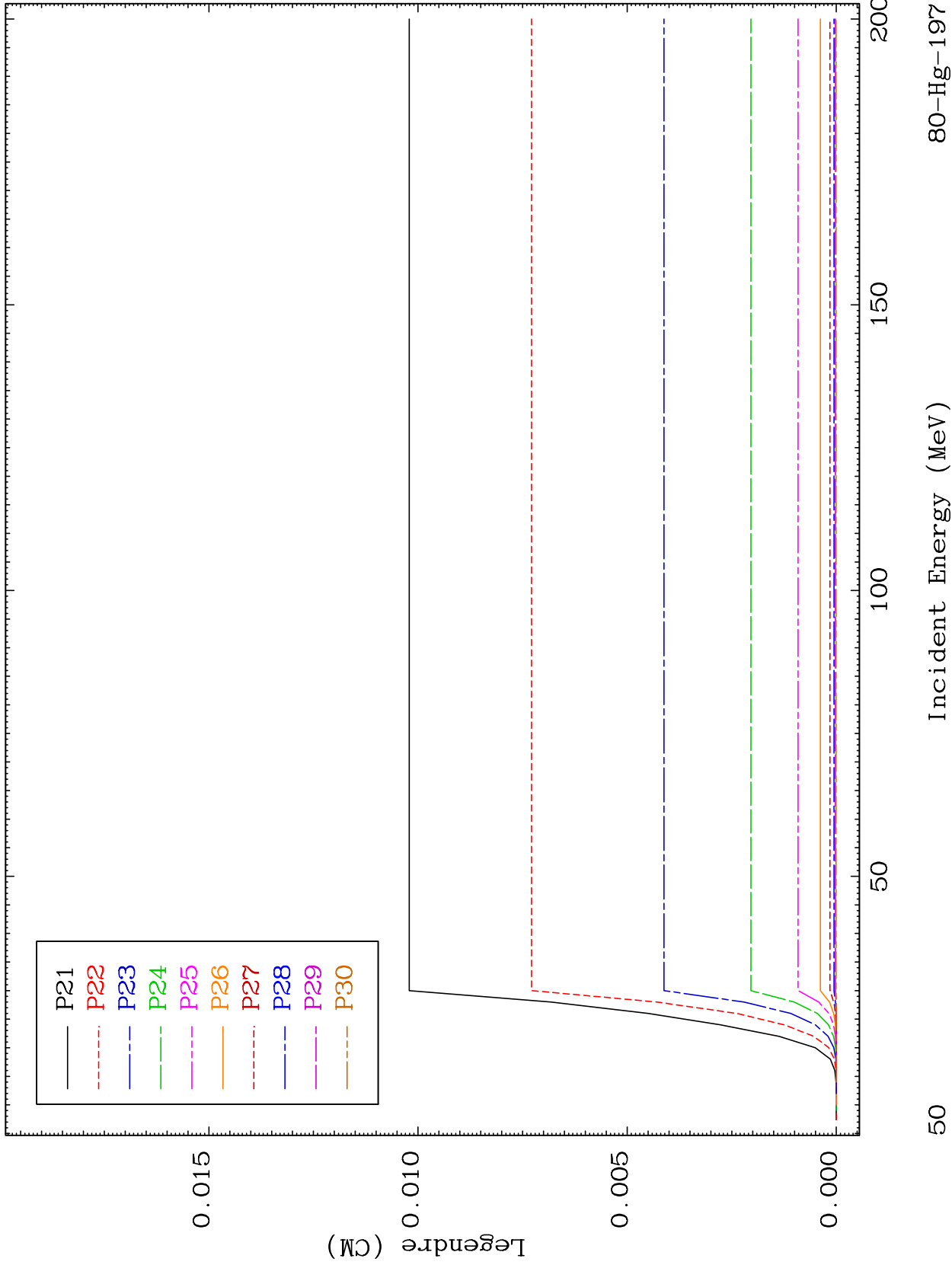
Incident Energy (MeV)

80-Hg-197

MAT 8028

557.8 keV (n,n') Level
Legendre Coefficients

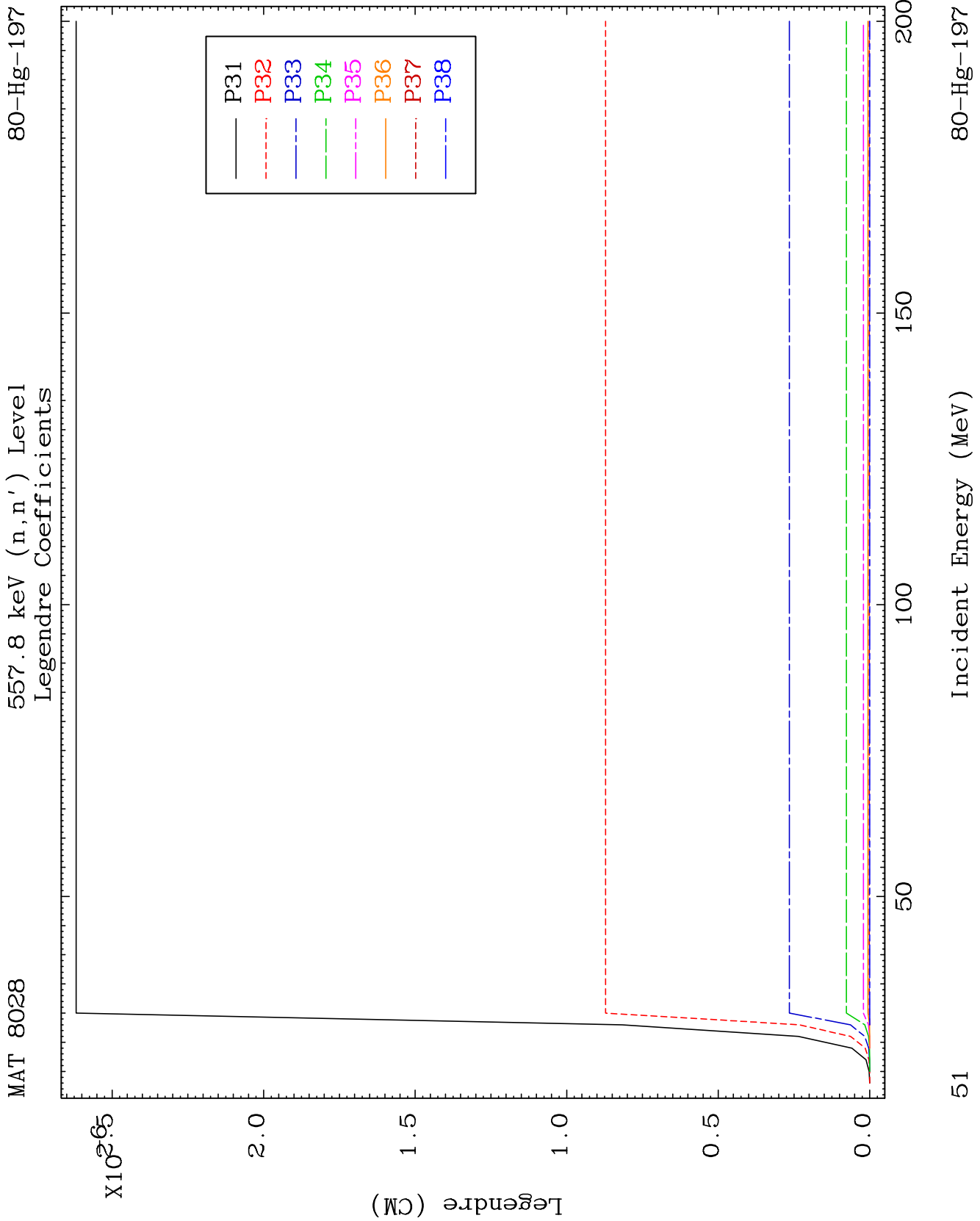
80-Hg-197



80-Hg-197

Incident Energy (MeV)

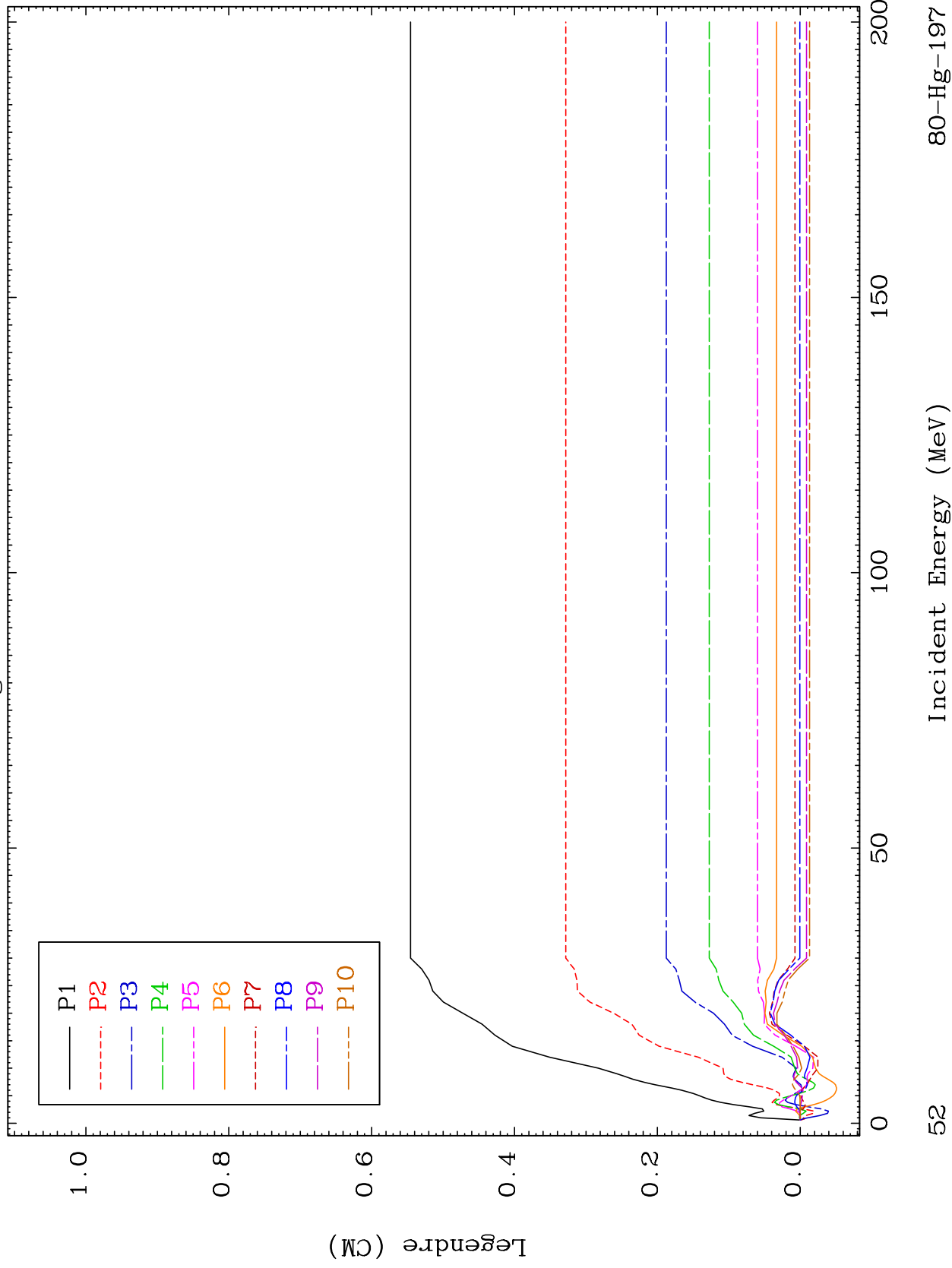
50



MAT 8028

578.0 keV (n,n') Level
Legendre Coefficients

80-Hg-197

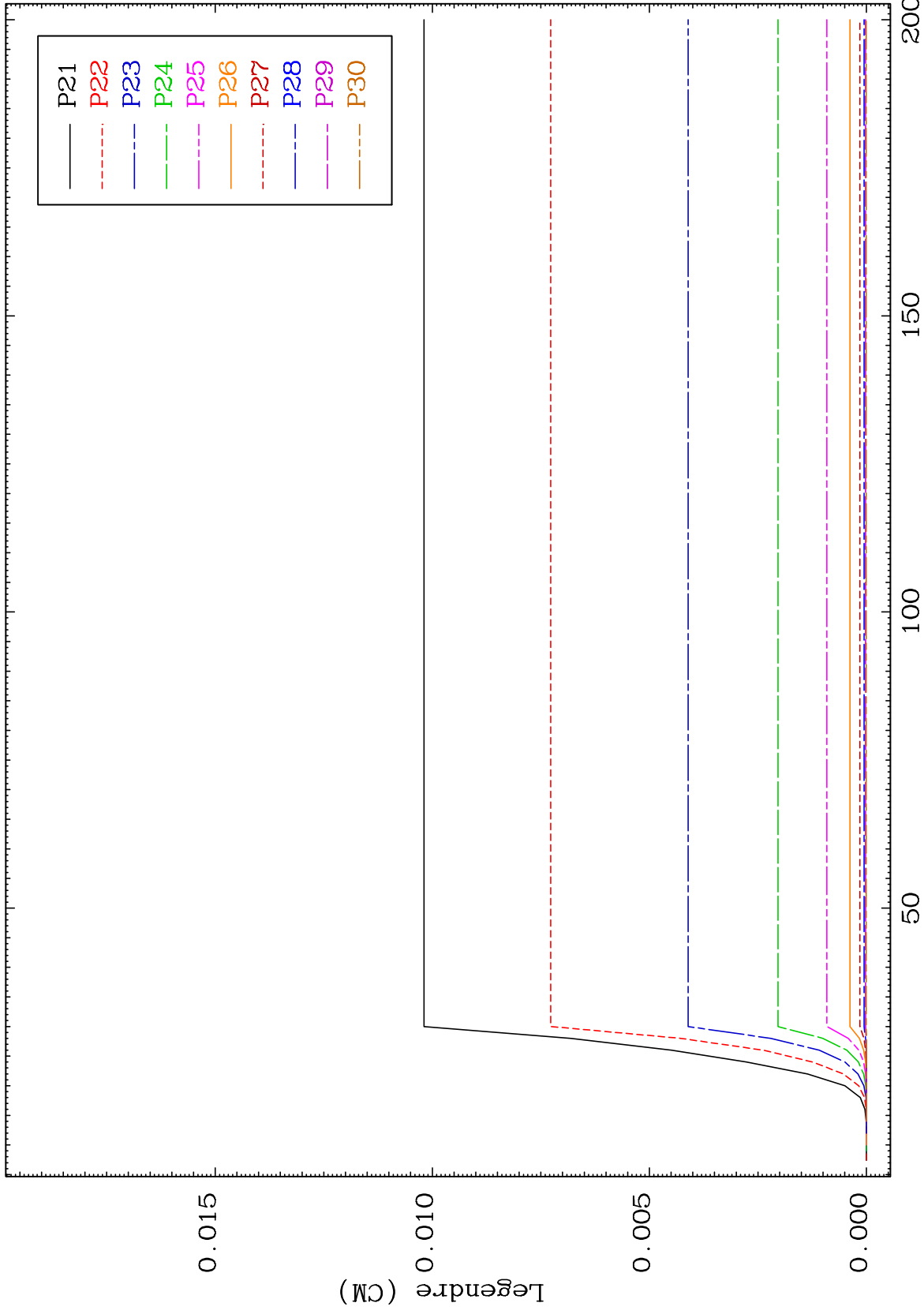


52

MAT 8028

578.0 keV (n,n') Level
Legendre Coefficients

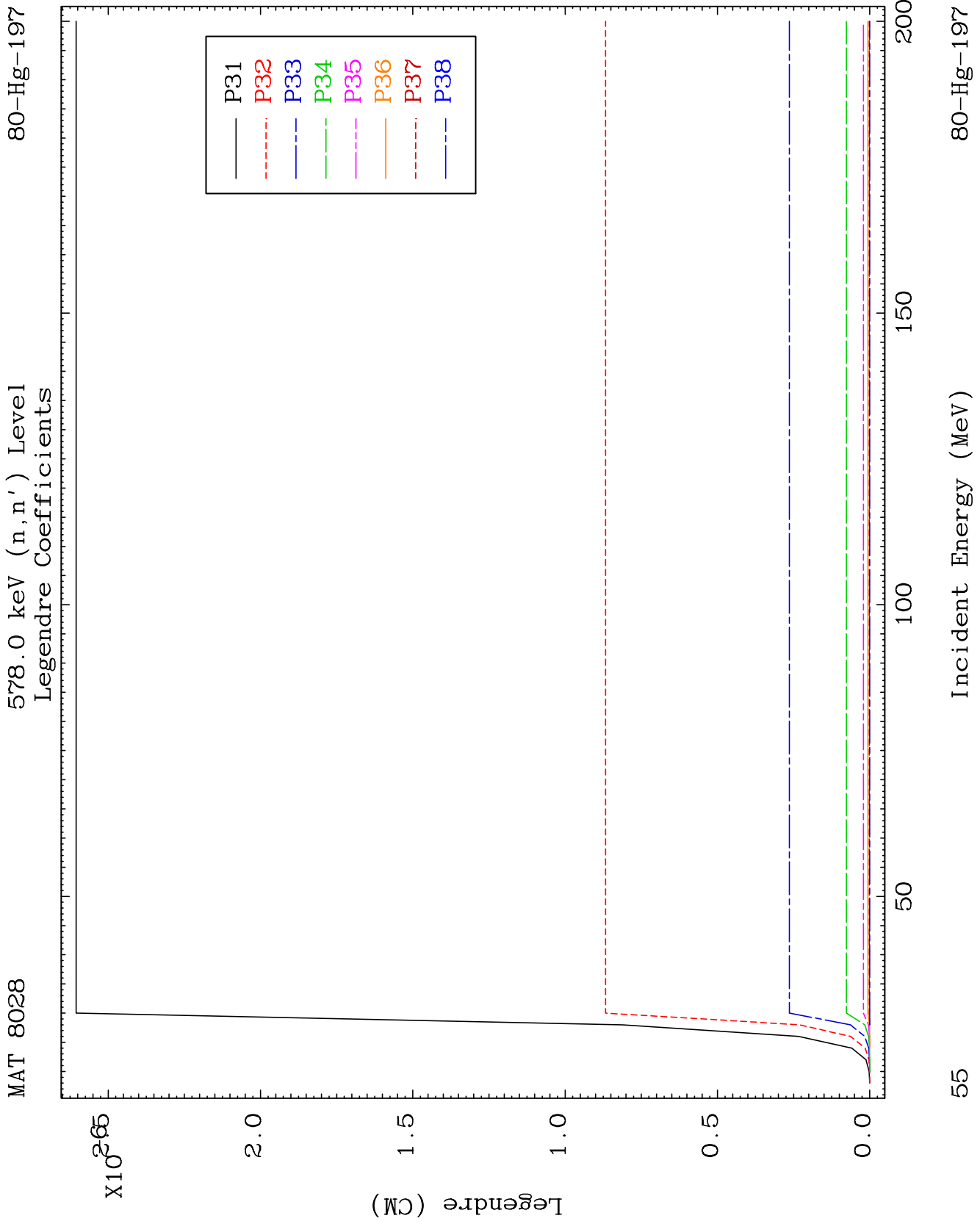
80-Hg-197



54

Incident Energy (MeV)

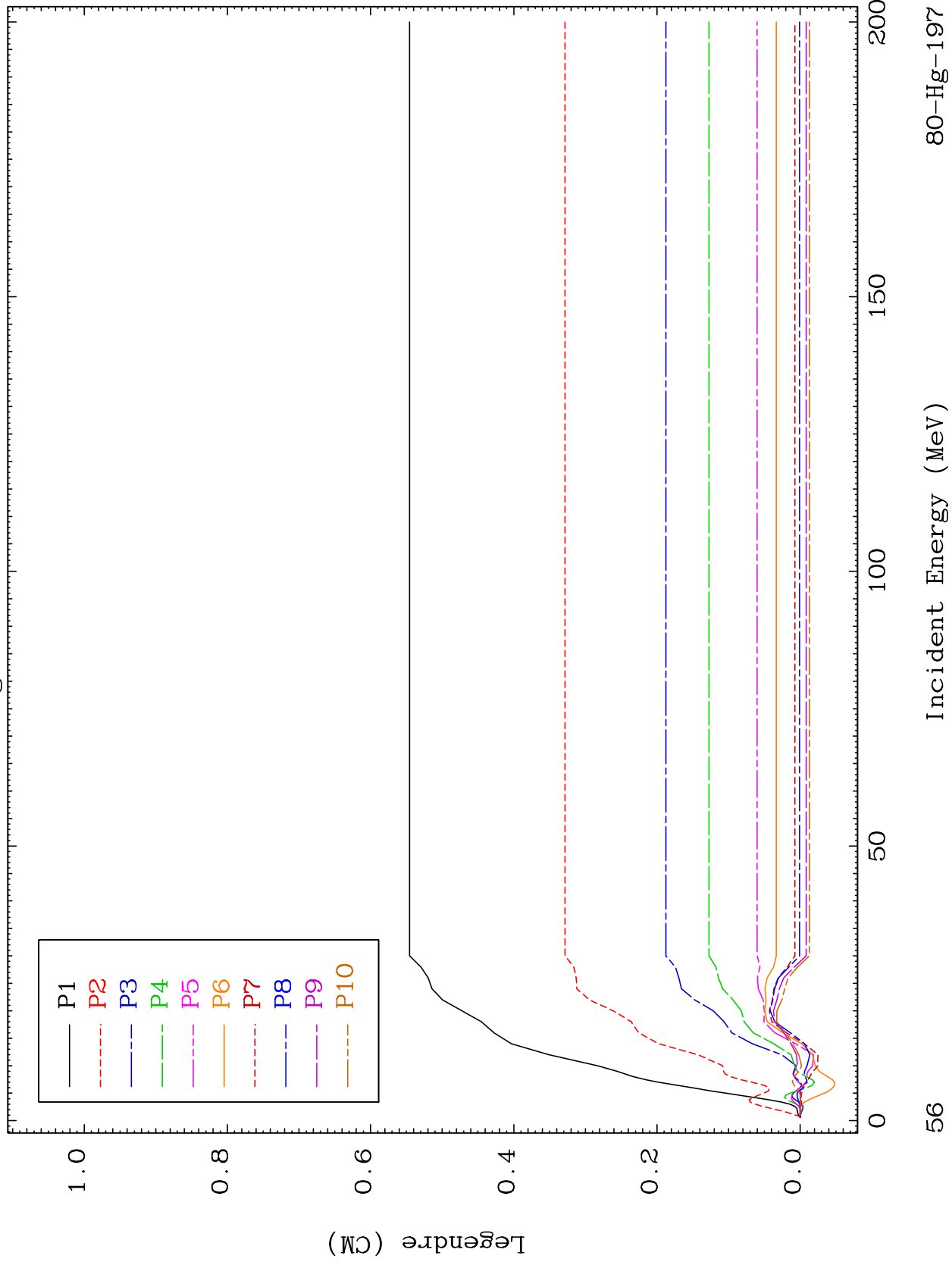
80-Hg-197



MAT 8028

585.4 keV (n,n') Level
Legendre Coefficients

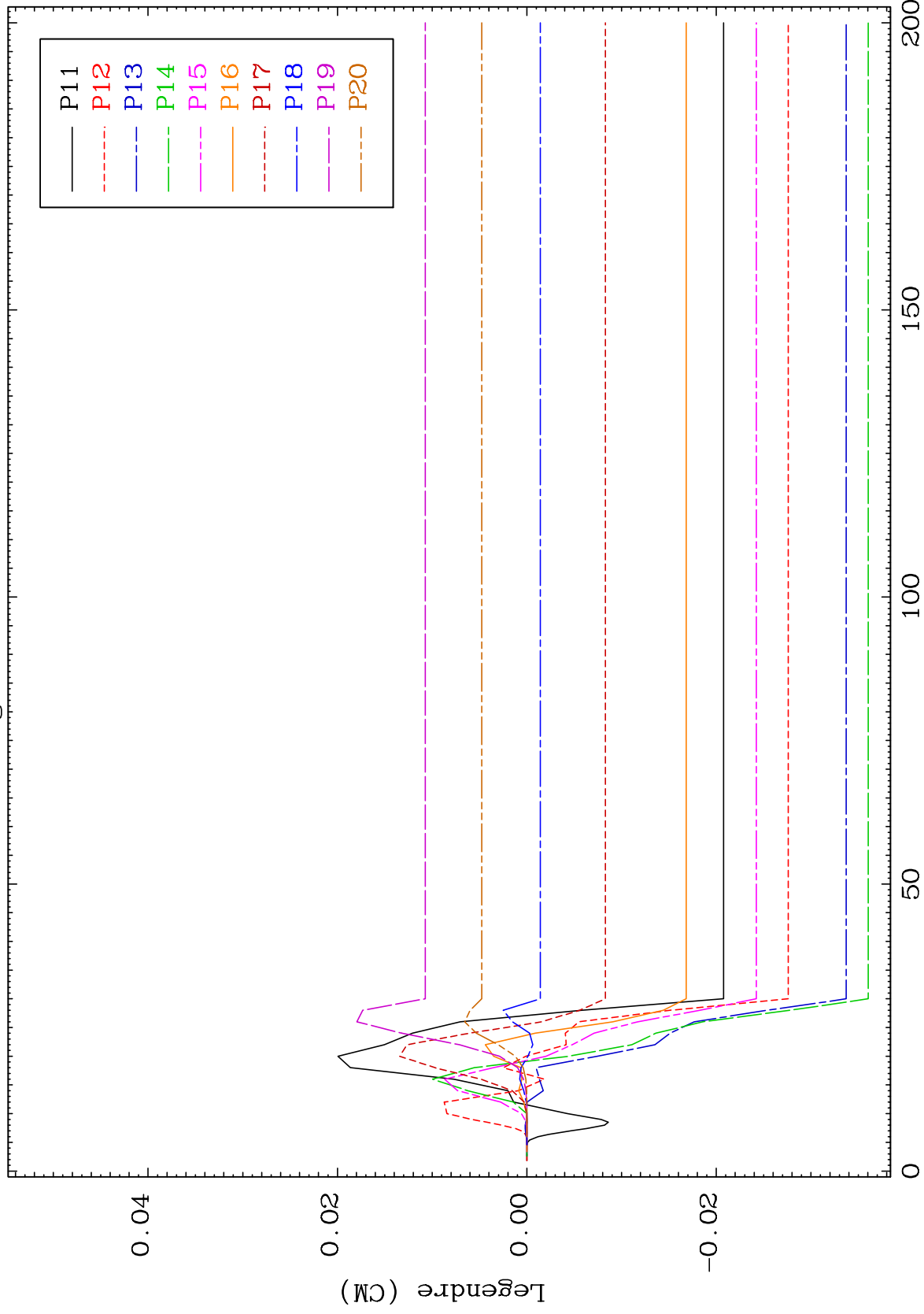
80-Hg-197



MAT 8028

585.4 keV (n, n') Level
Legendre Coefficients

80-Hg-197



57

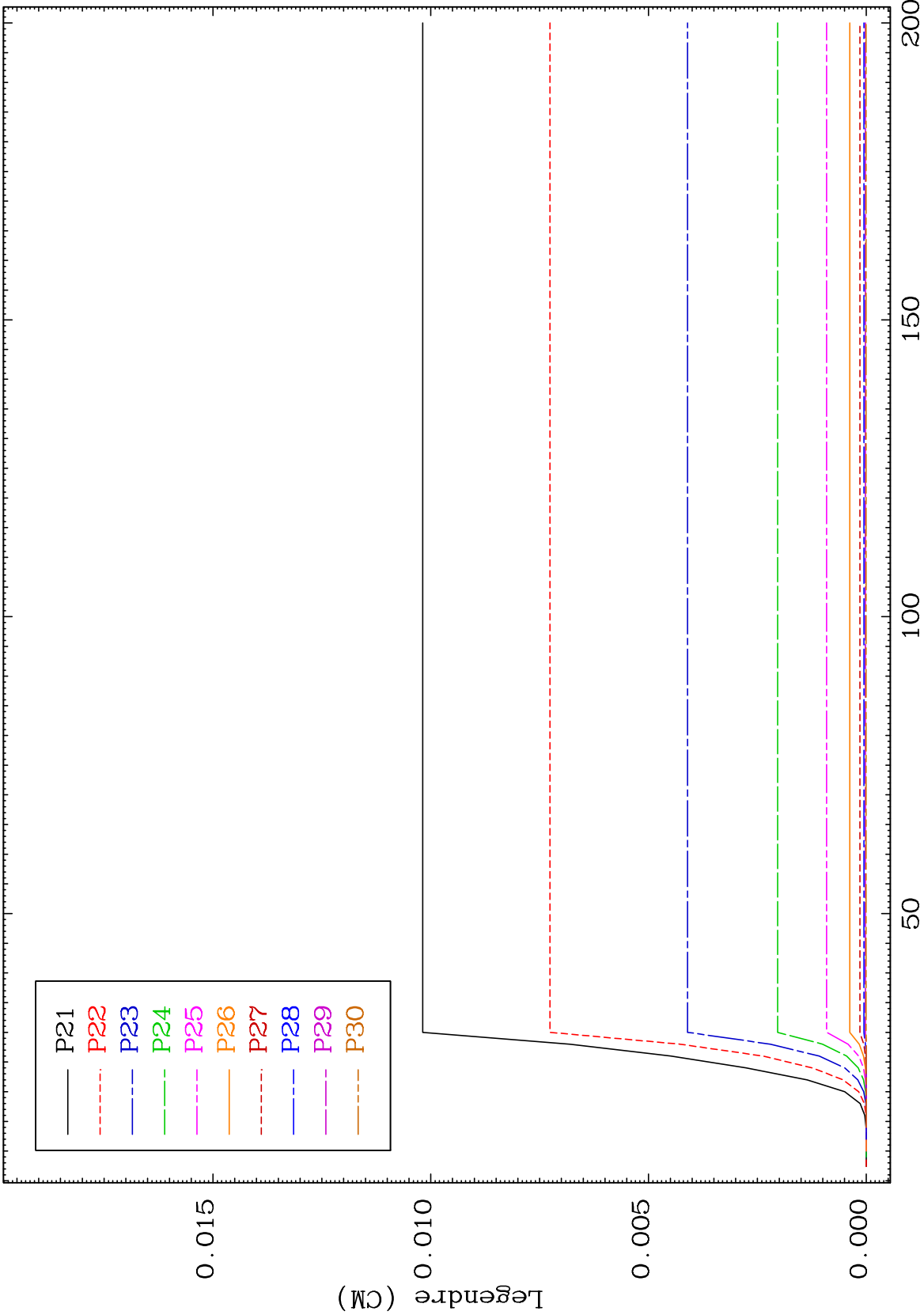
Incident Energy (MeV)

80-Hg-197

MAT 8028

585.4 keV (n,n') Level
Legendre Coefficients

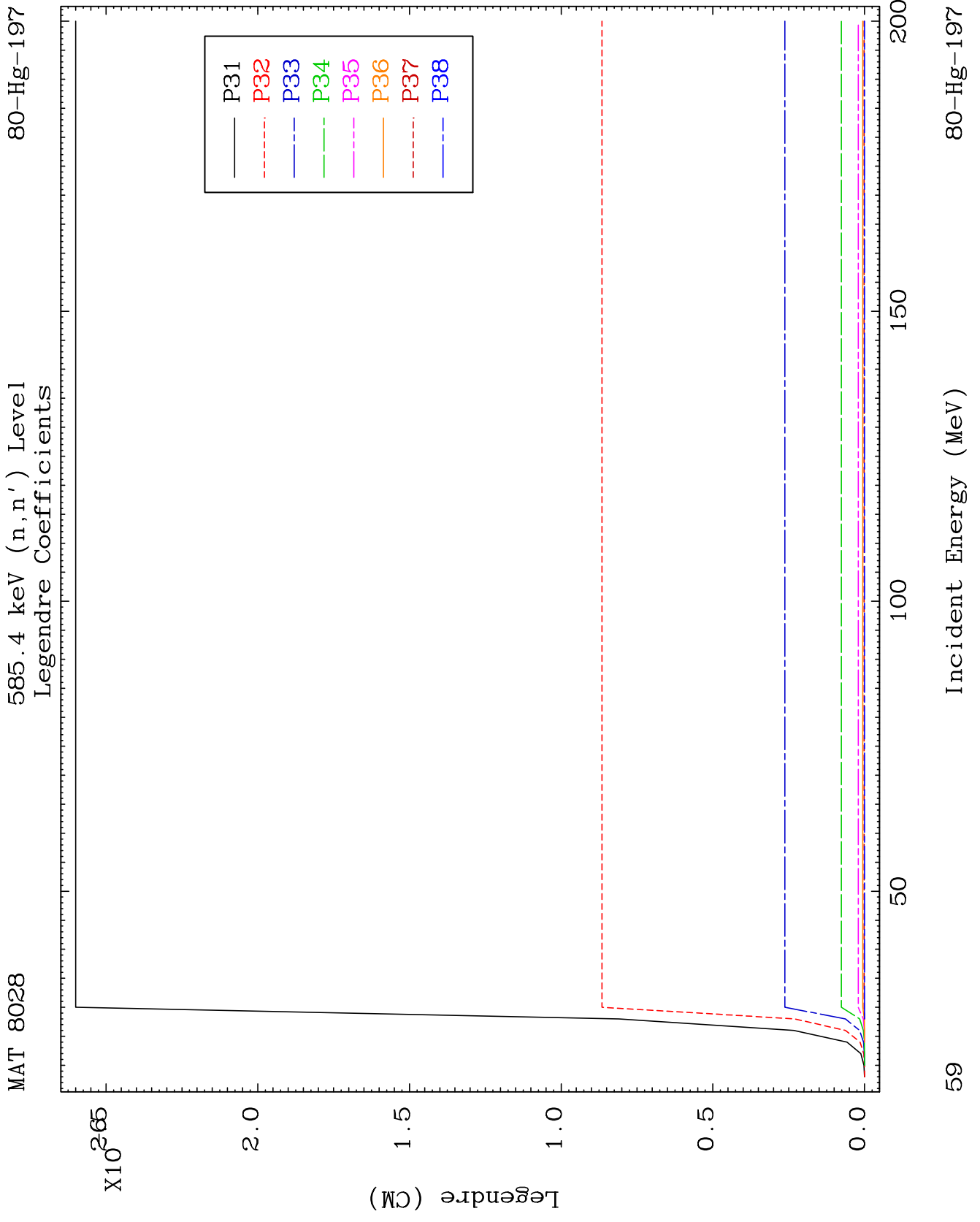
80-Hg-197

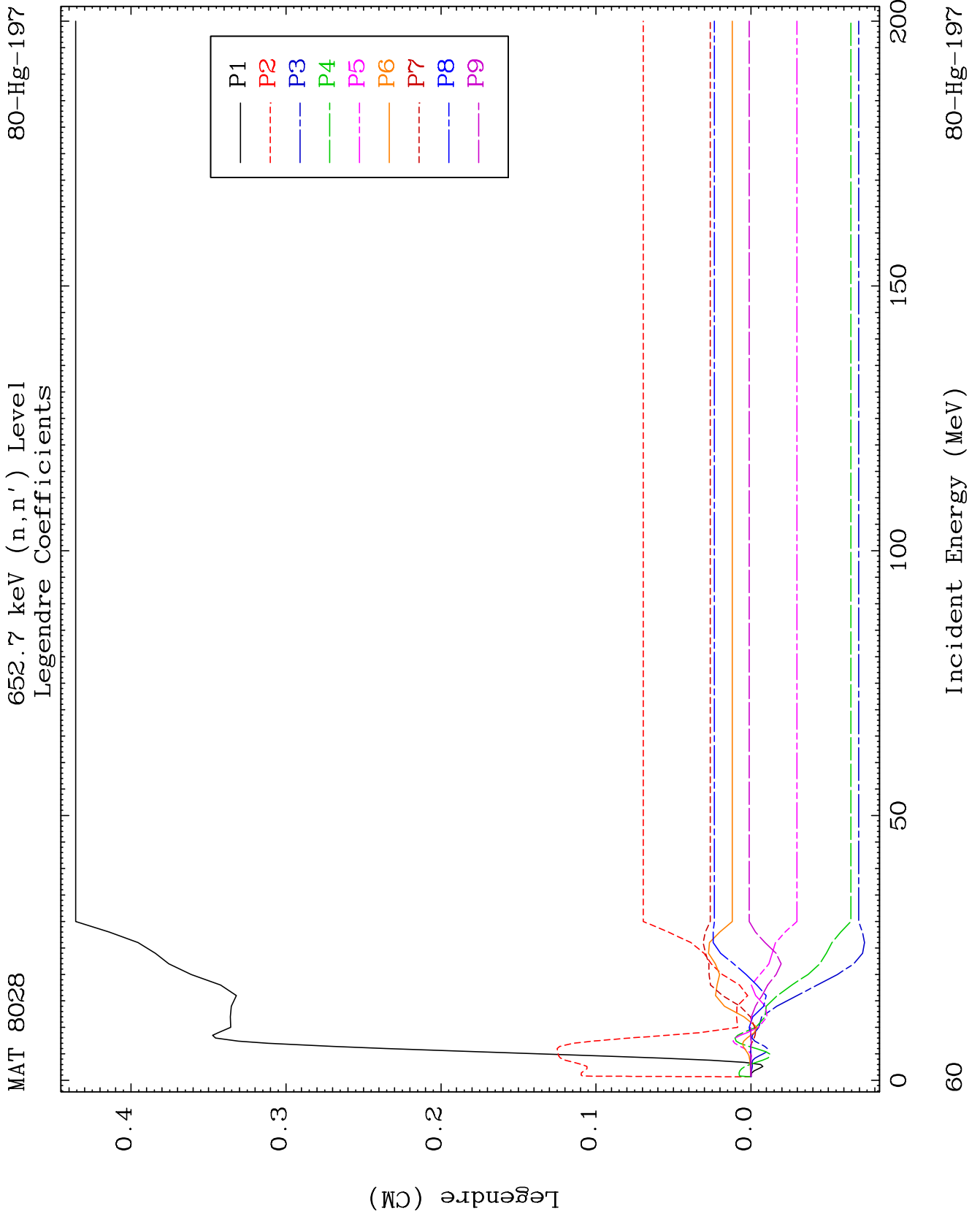


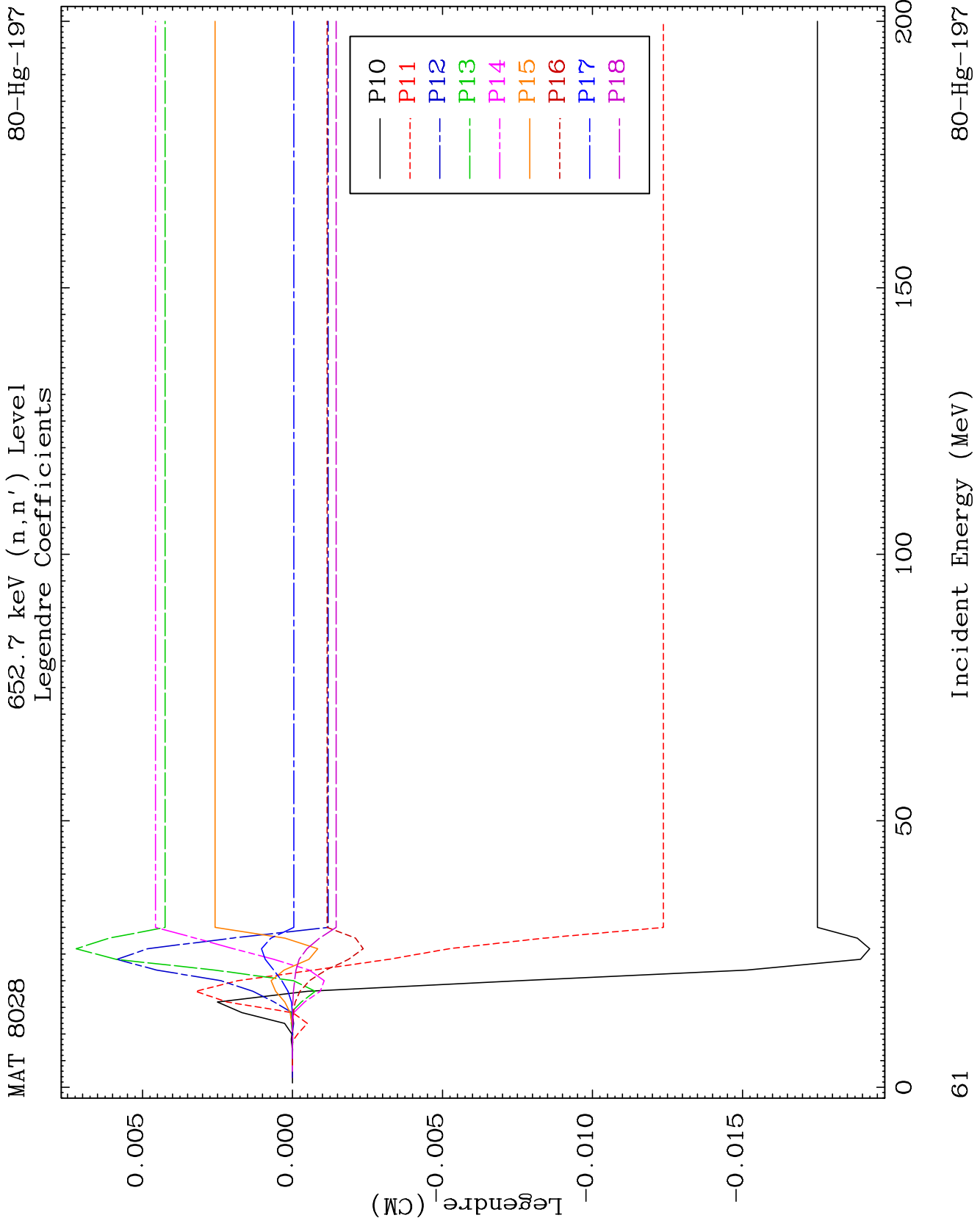
58

Incident Energy (MeV)

80-Hg-197



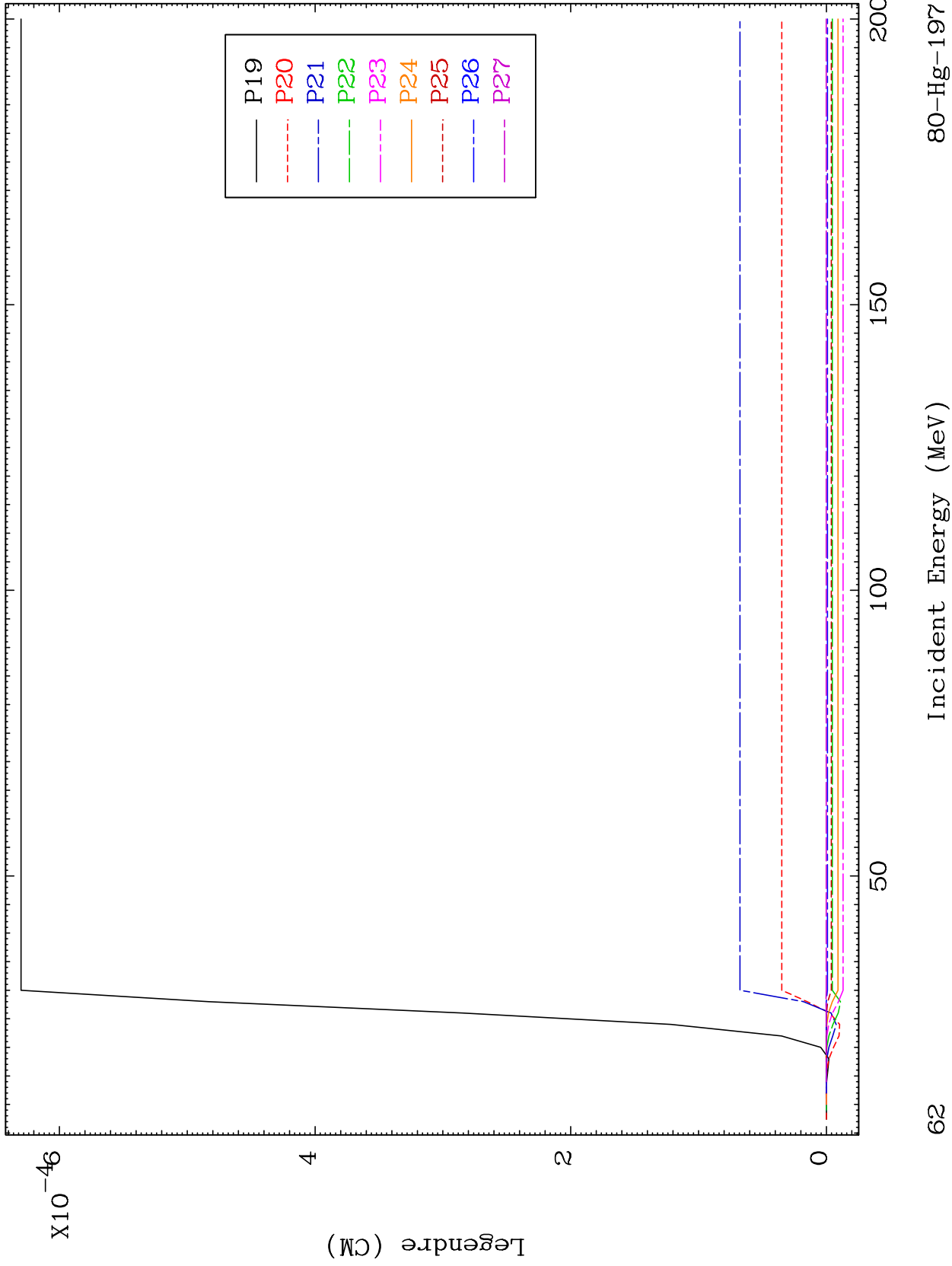




MAT 8028

652.7 keV (n,n') Level
Legendre Coefficients

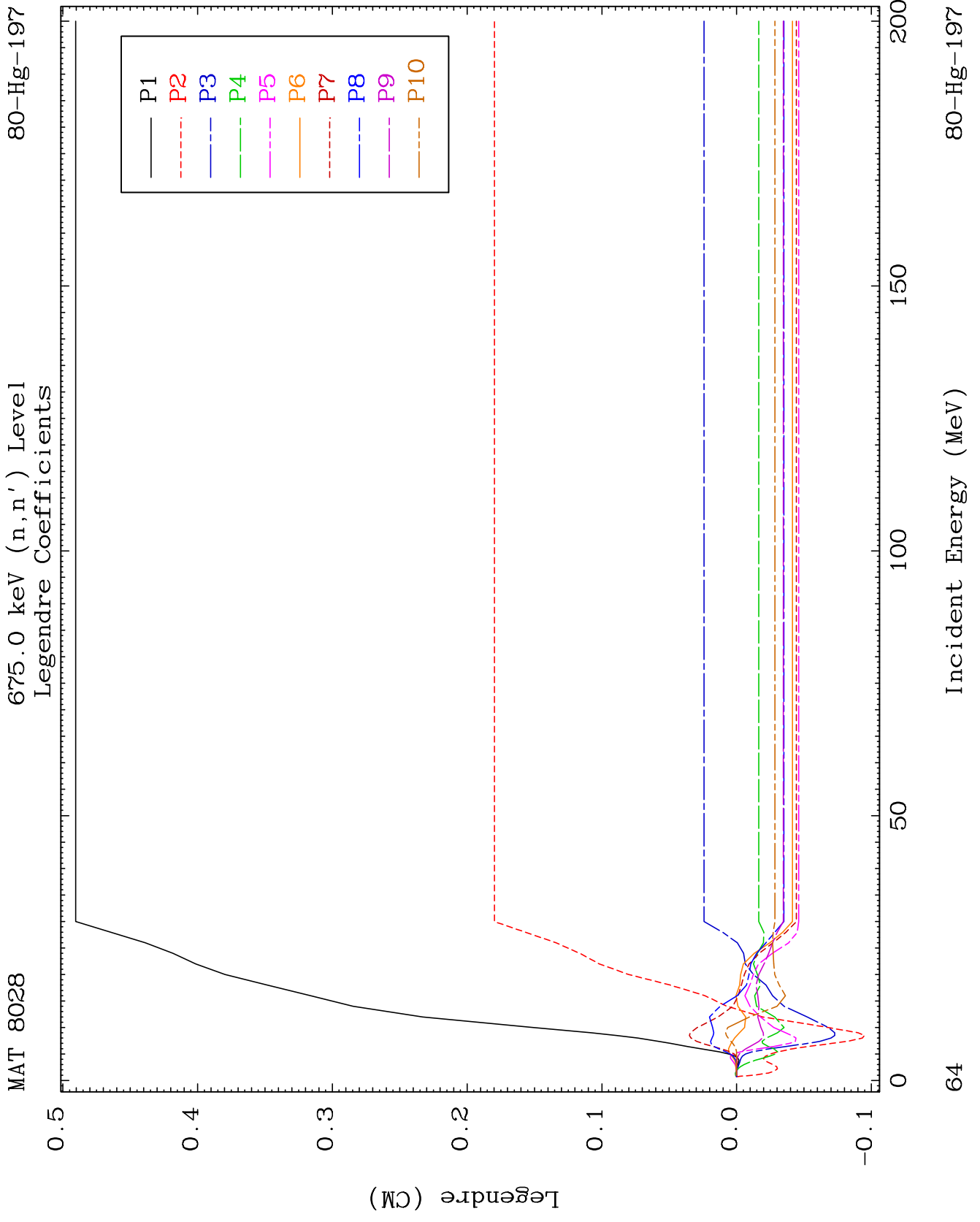
80-Hg-197



62

Incident Energy (MeV)

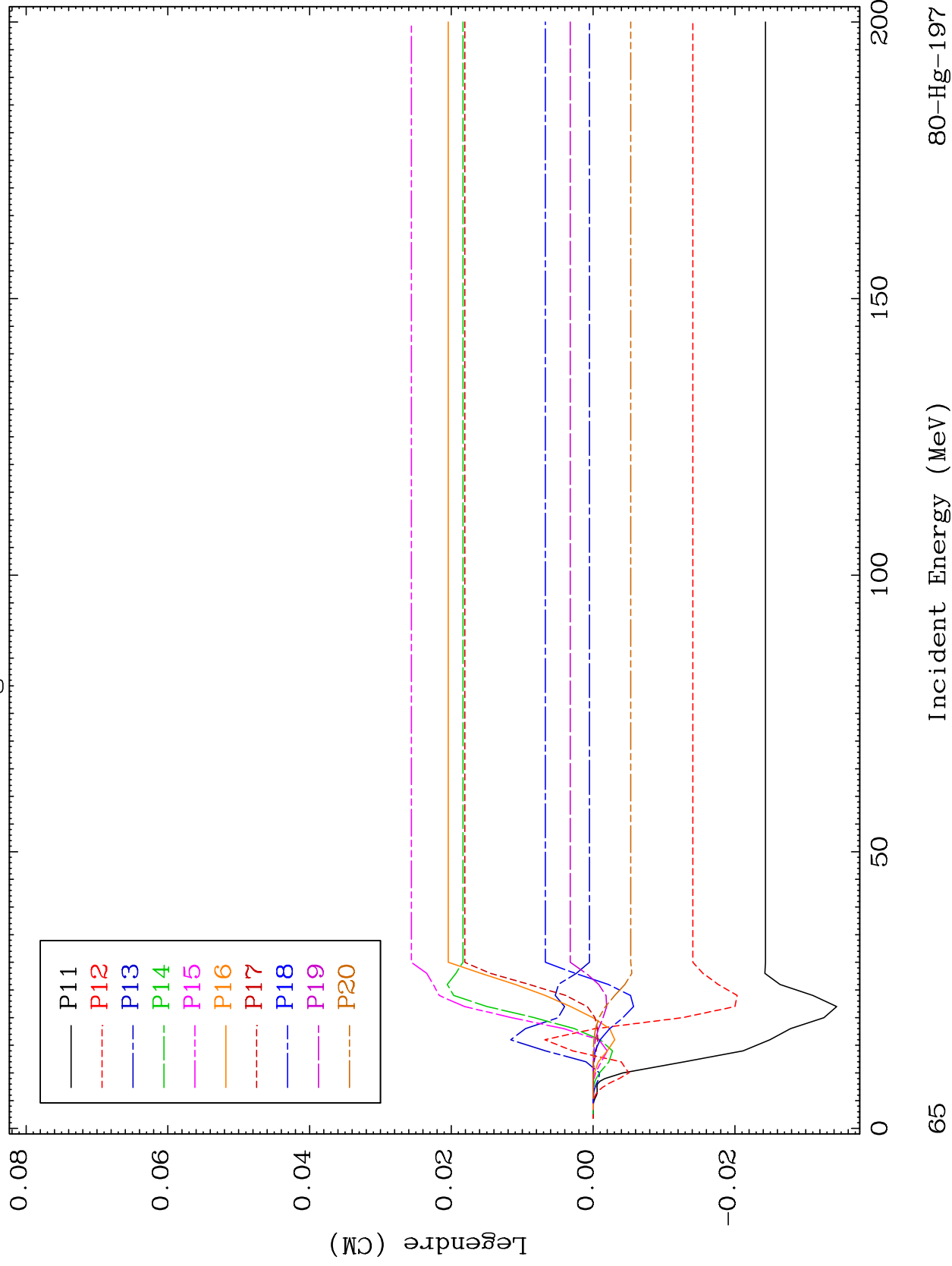
80-Hg-197



MAT 8028

675.0 keV (n,n') Level
Legendre Coefficients

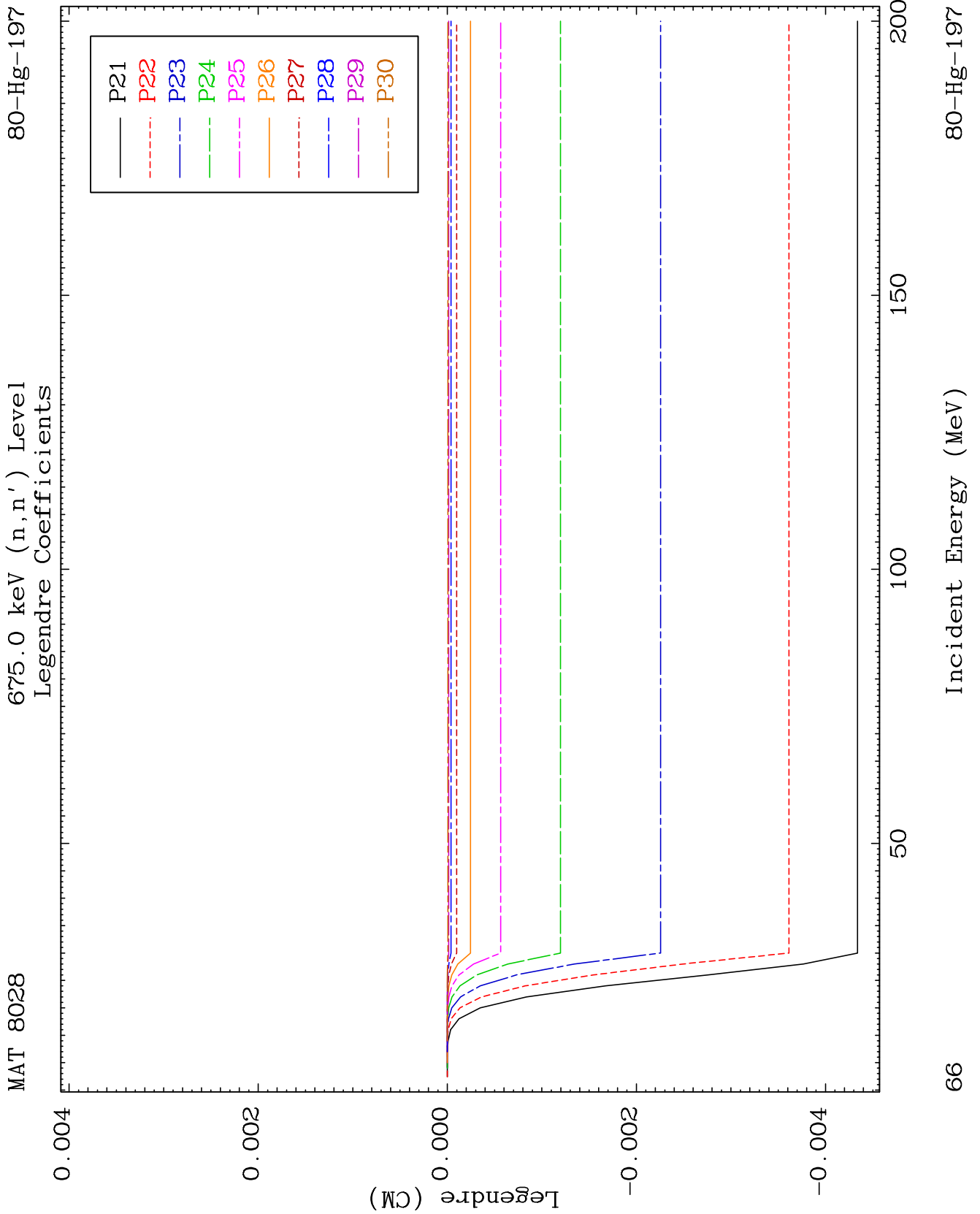
80-Hg-197

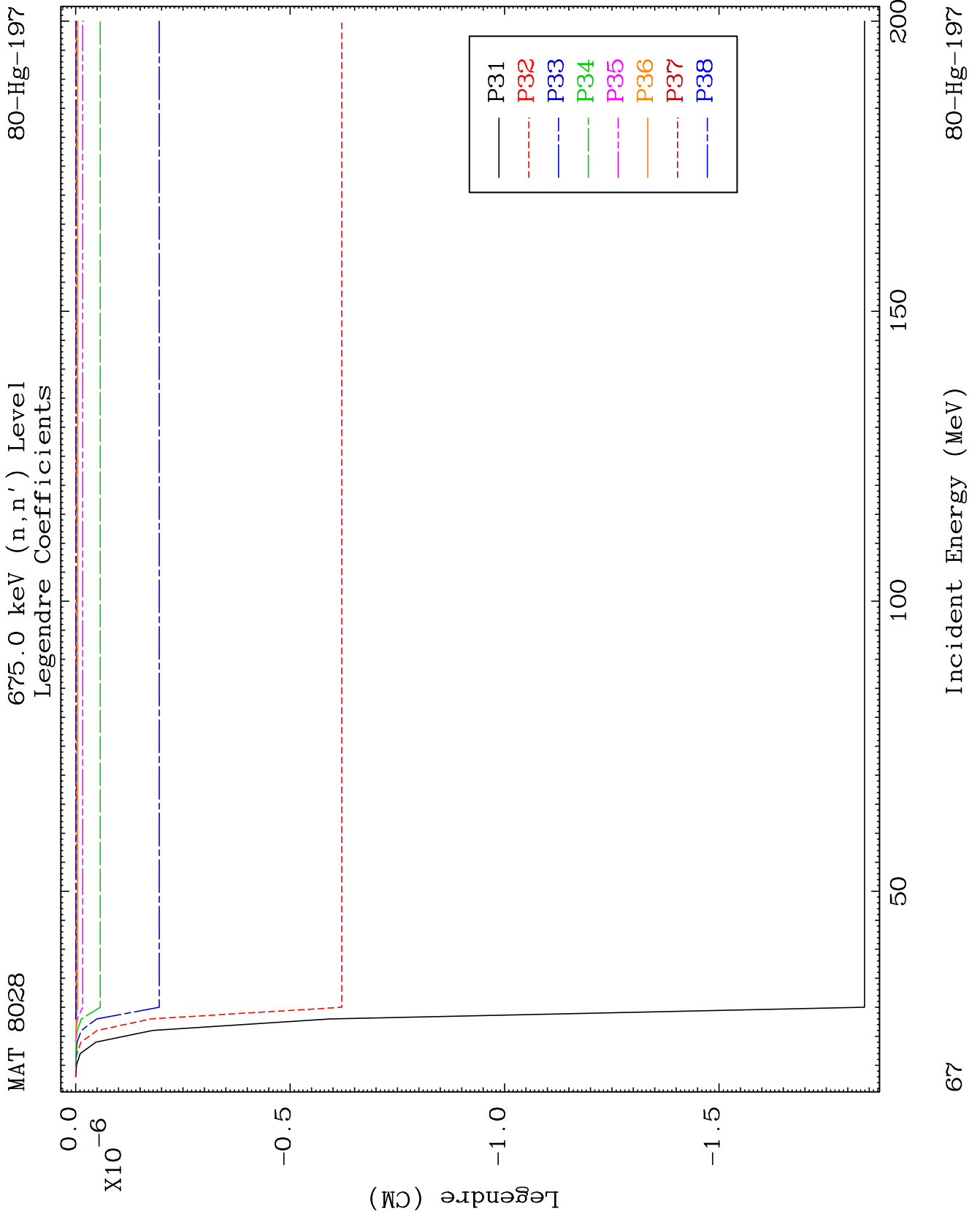


80-Hg-197

Incident Energy (MeV)

65

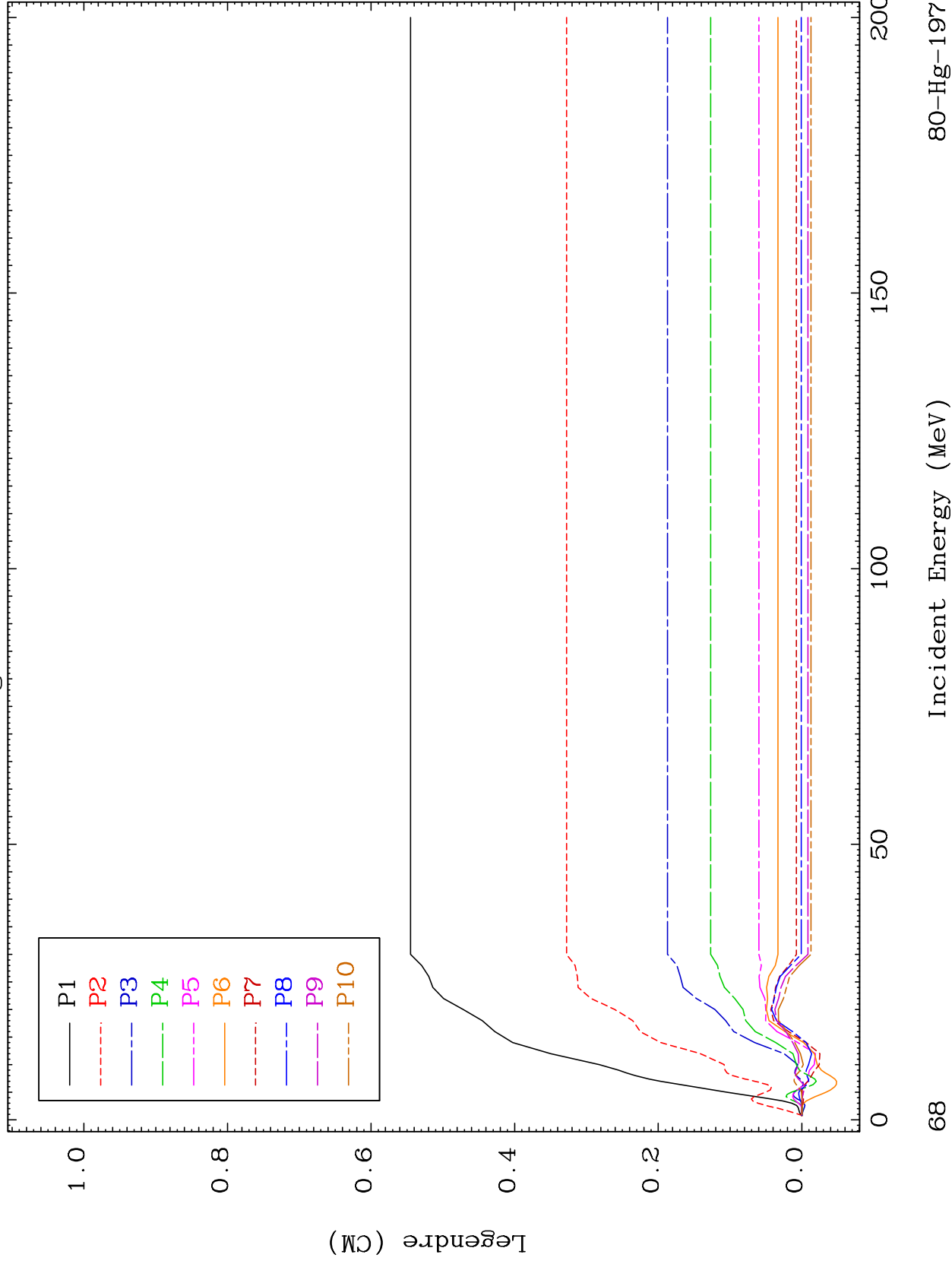




MAT 8028

676.7 keV (n,n') Level
Legendre Coefficients

80-Hg-197

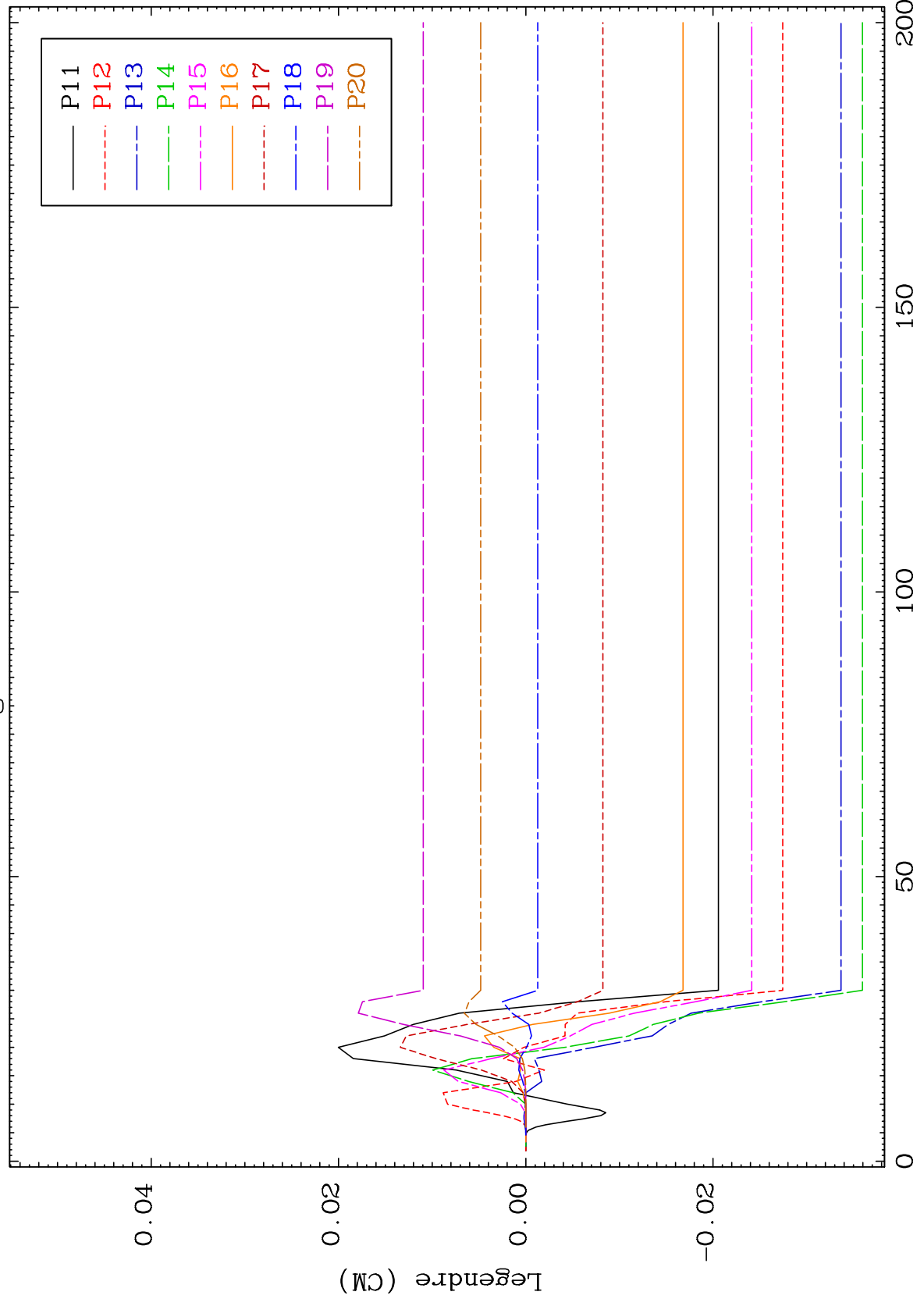


68

MAT 8028

676.7 keV (n, n') Level
Legendre Coefficients

80-Hg-197



69

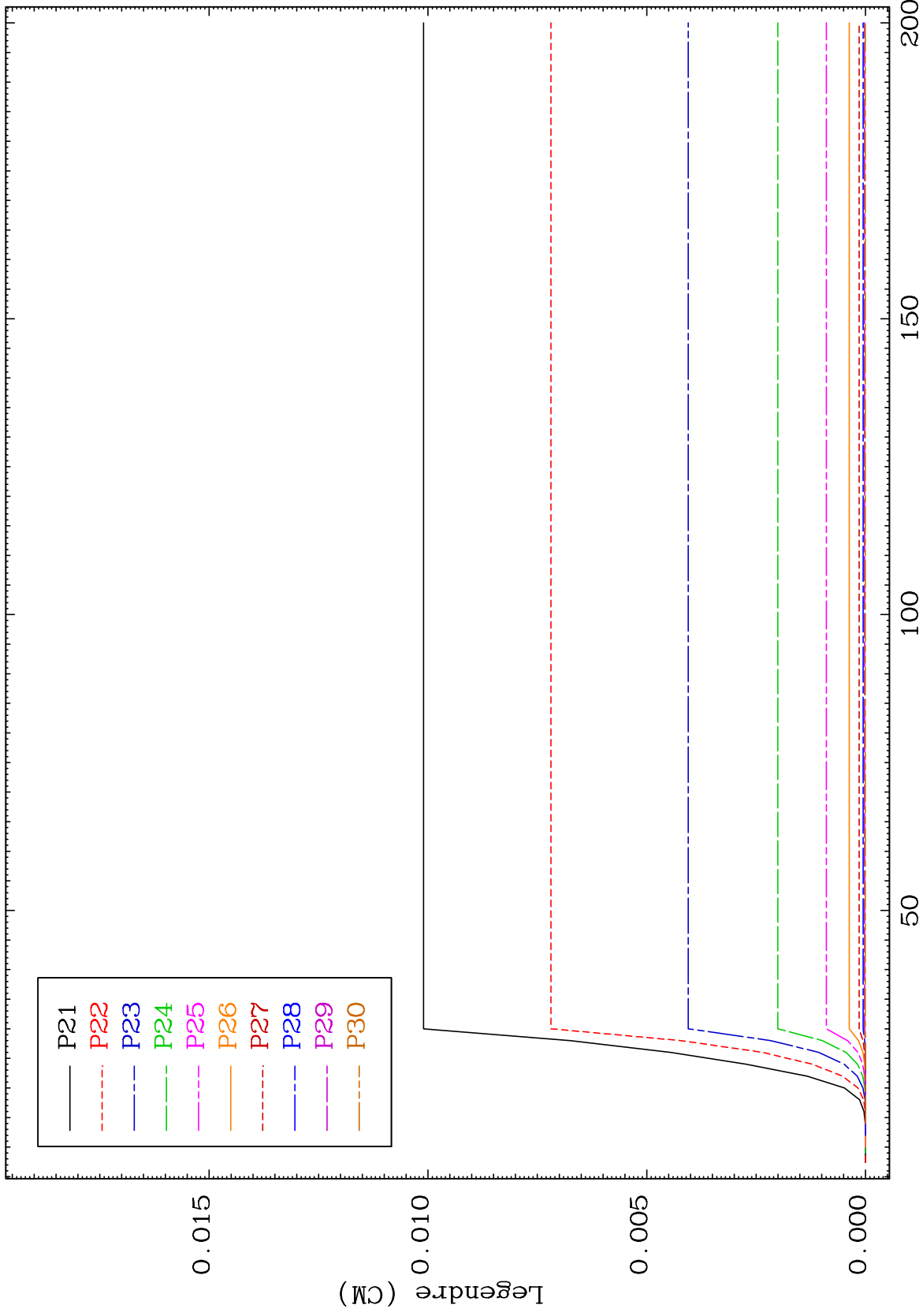
Incident Energy (MeV)

80-Hg-197

MAT 8028

676.7 keV (n,n') Level
Legendre Coefficients

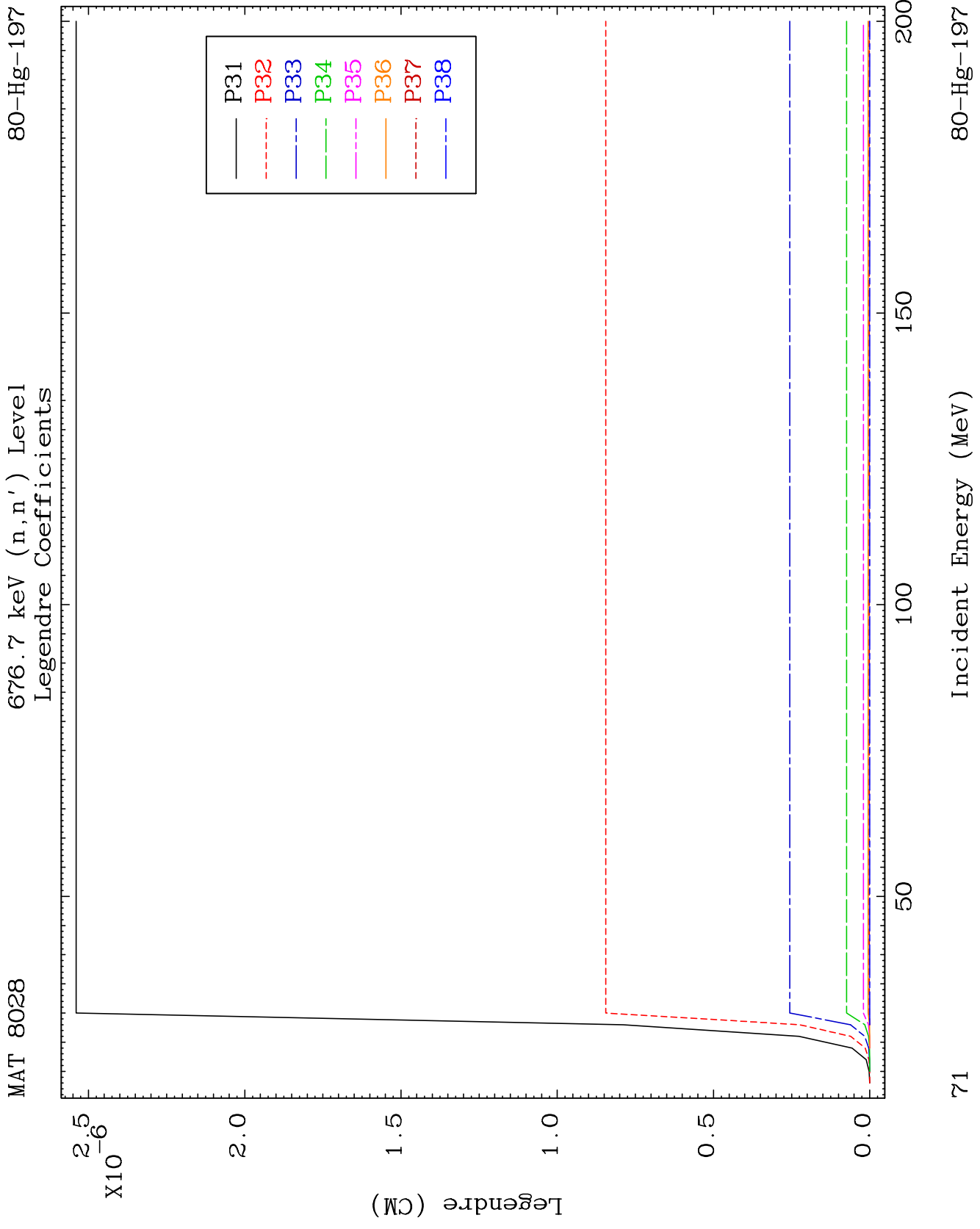
80-Hg-197



70

Incident Energy (MeV)

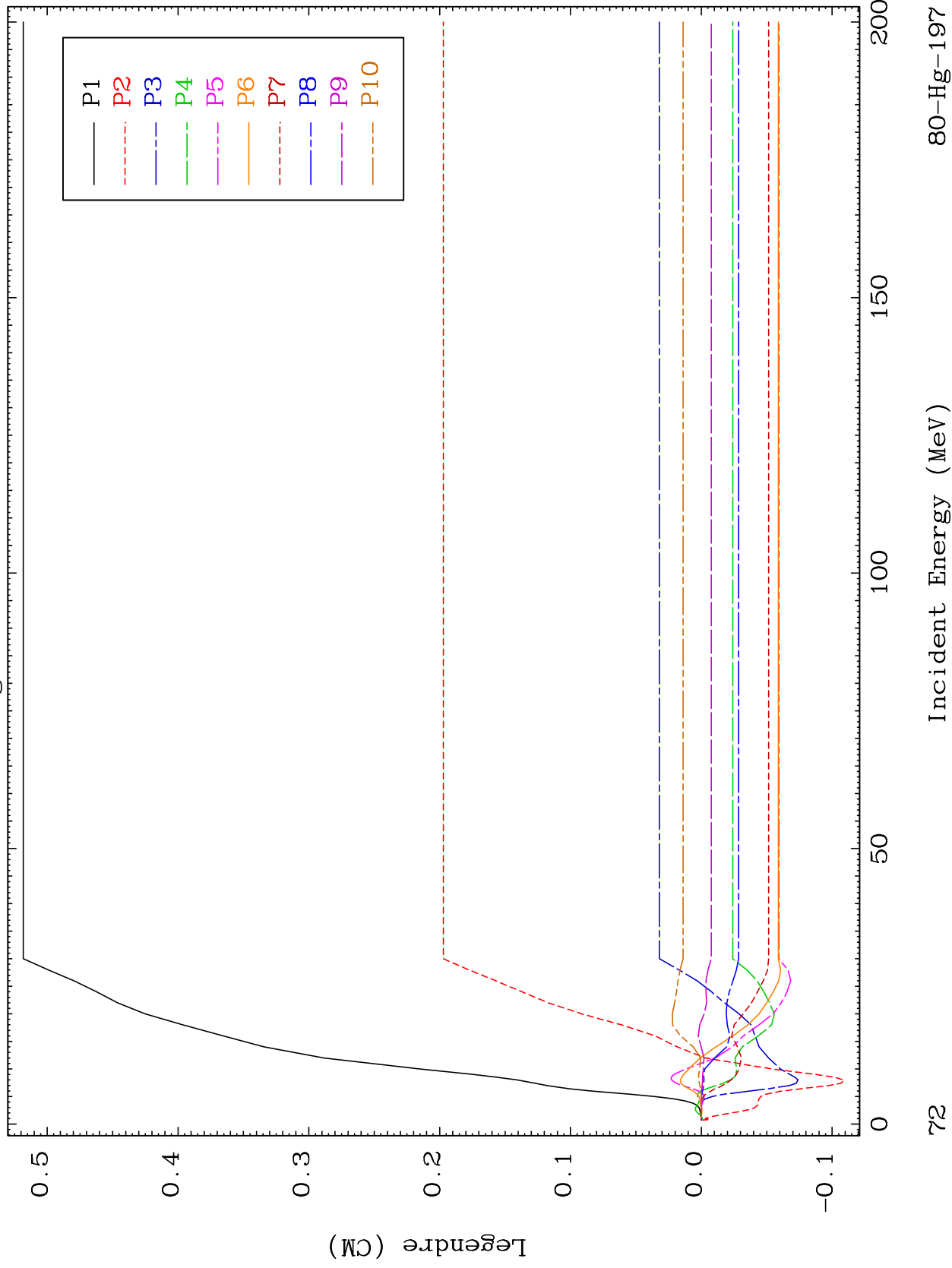
80-Hg-197



MAT 8028

715.4 keV (n,n') Level
Legendre Coefficients

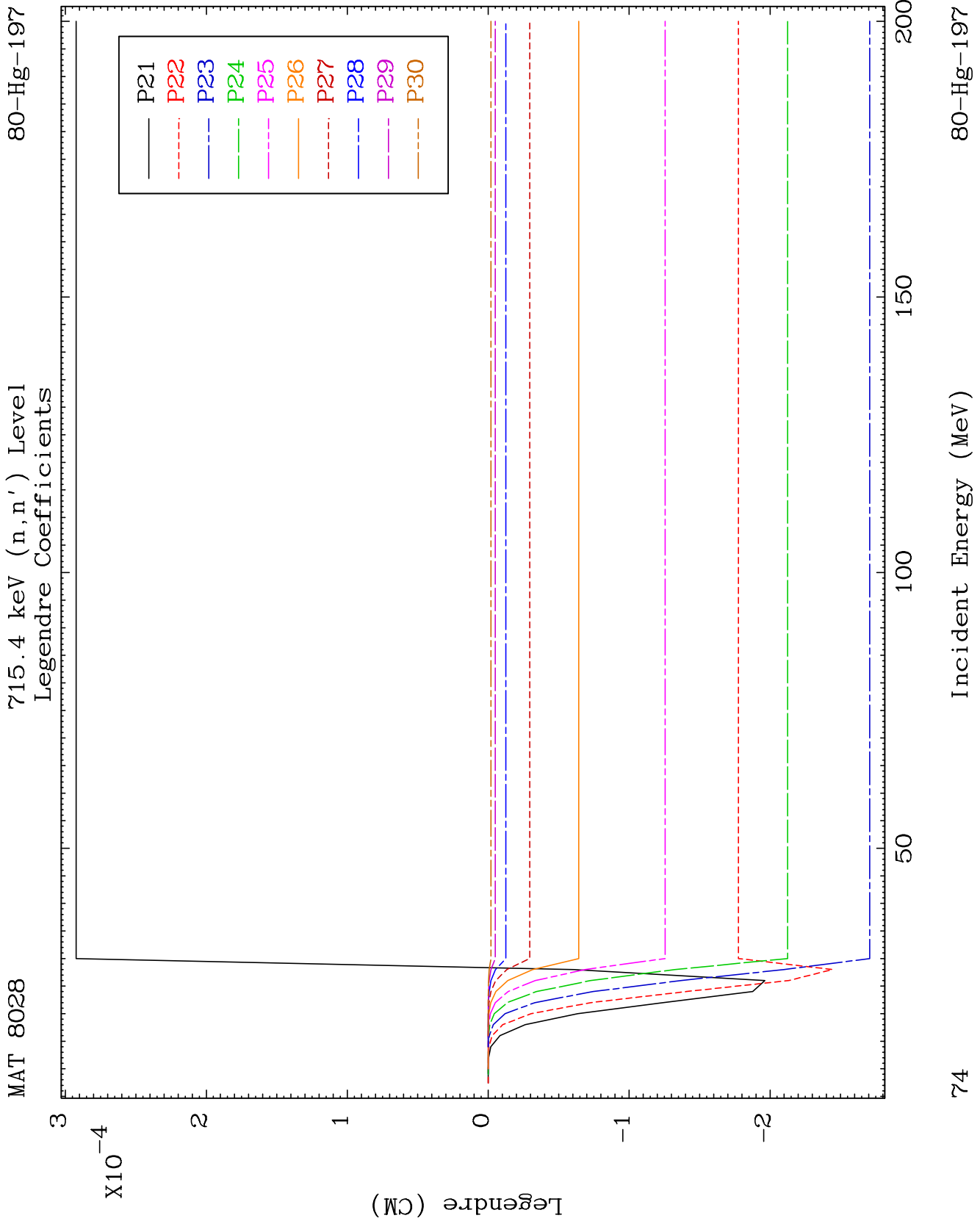
80-Hg-197

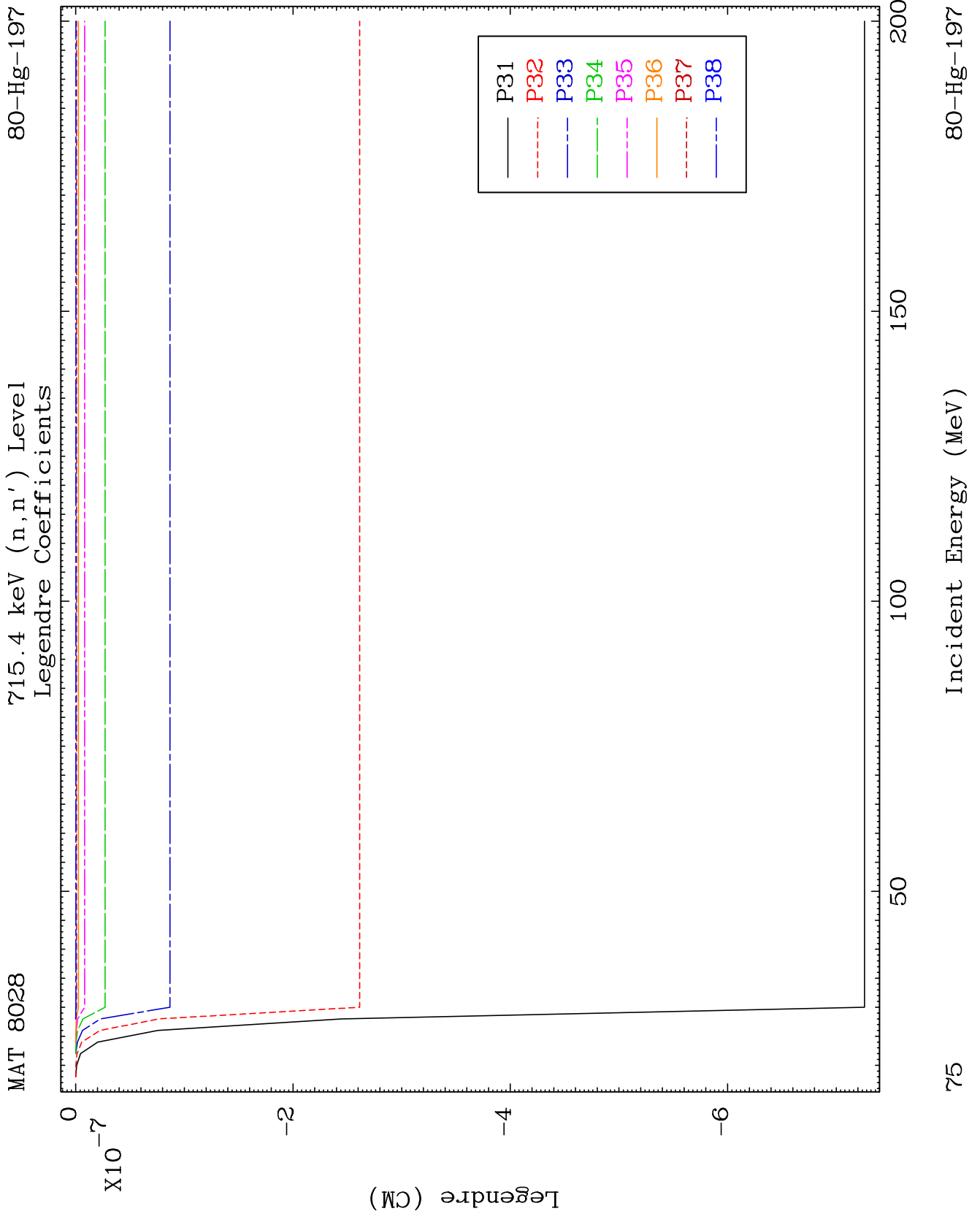


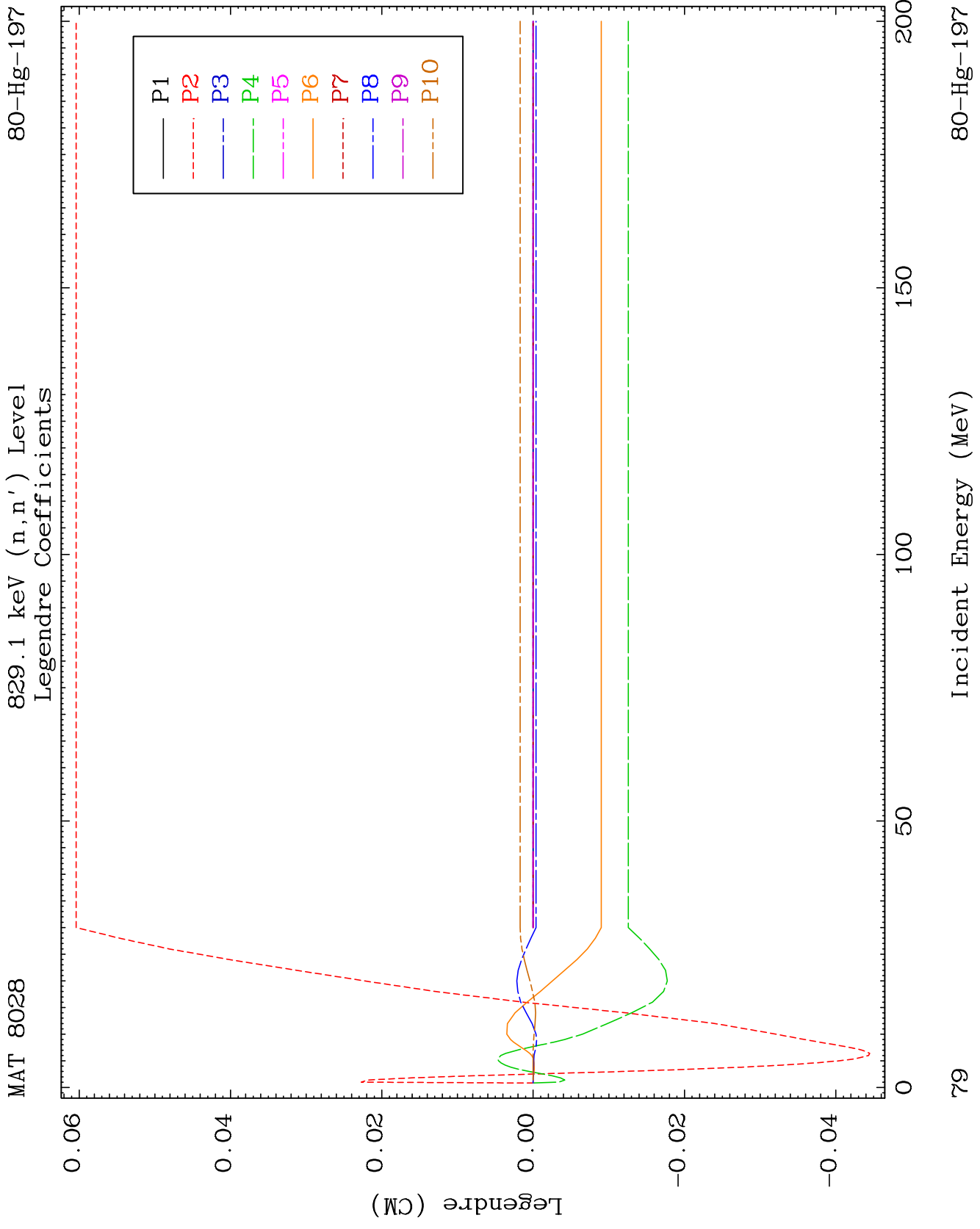
80-Hg-197

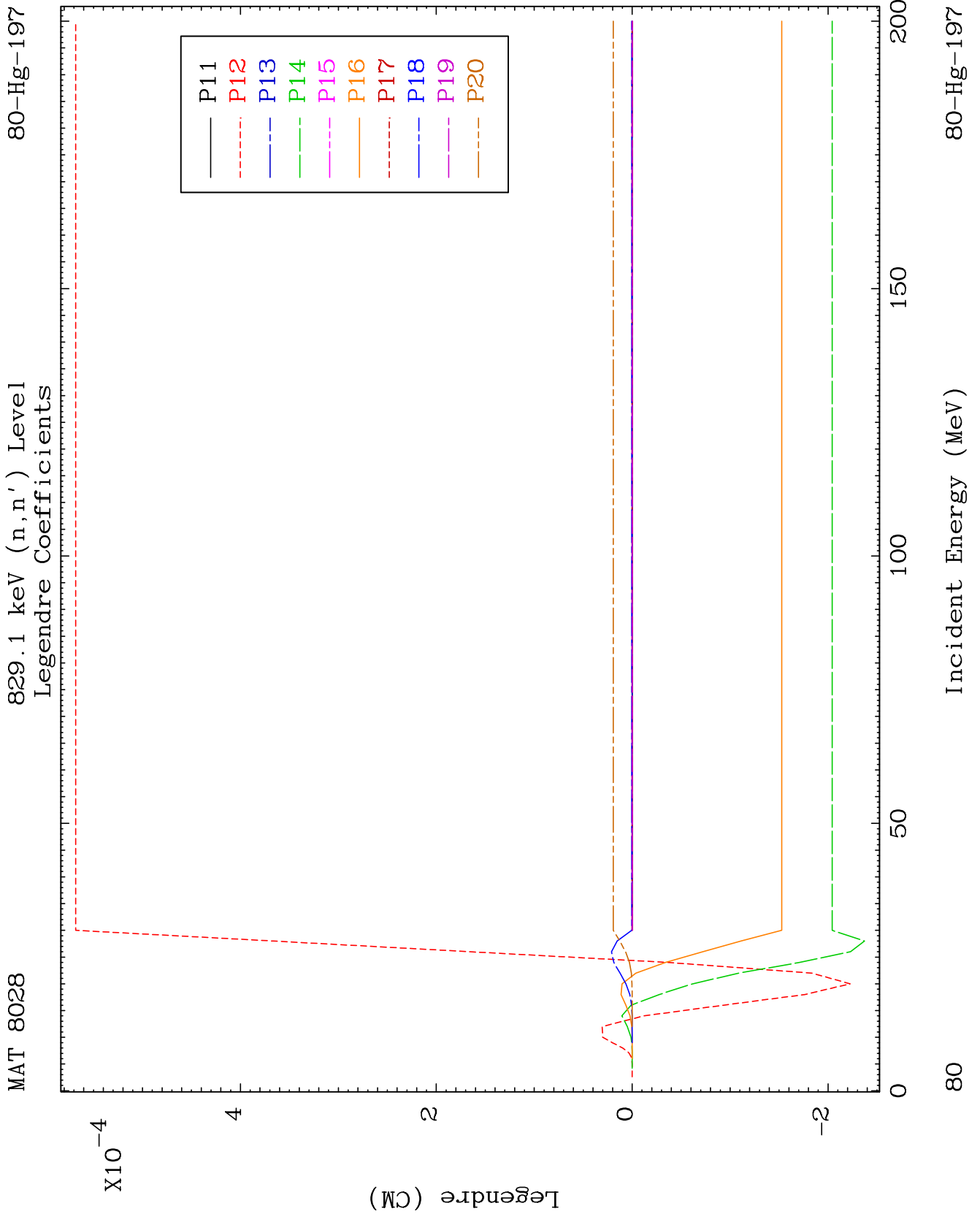
Incident Energy (MeV)

72





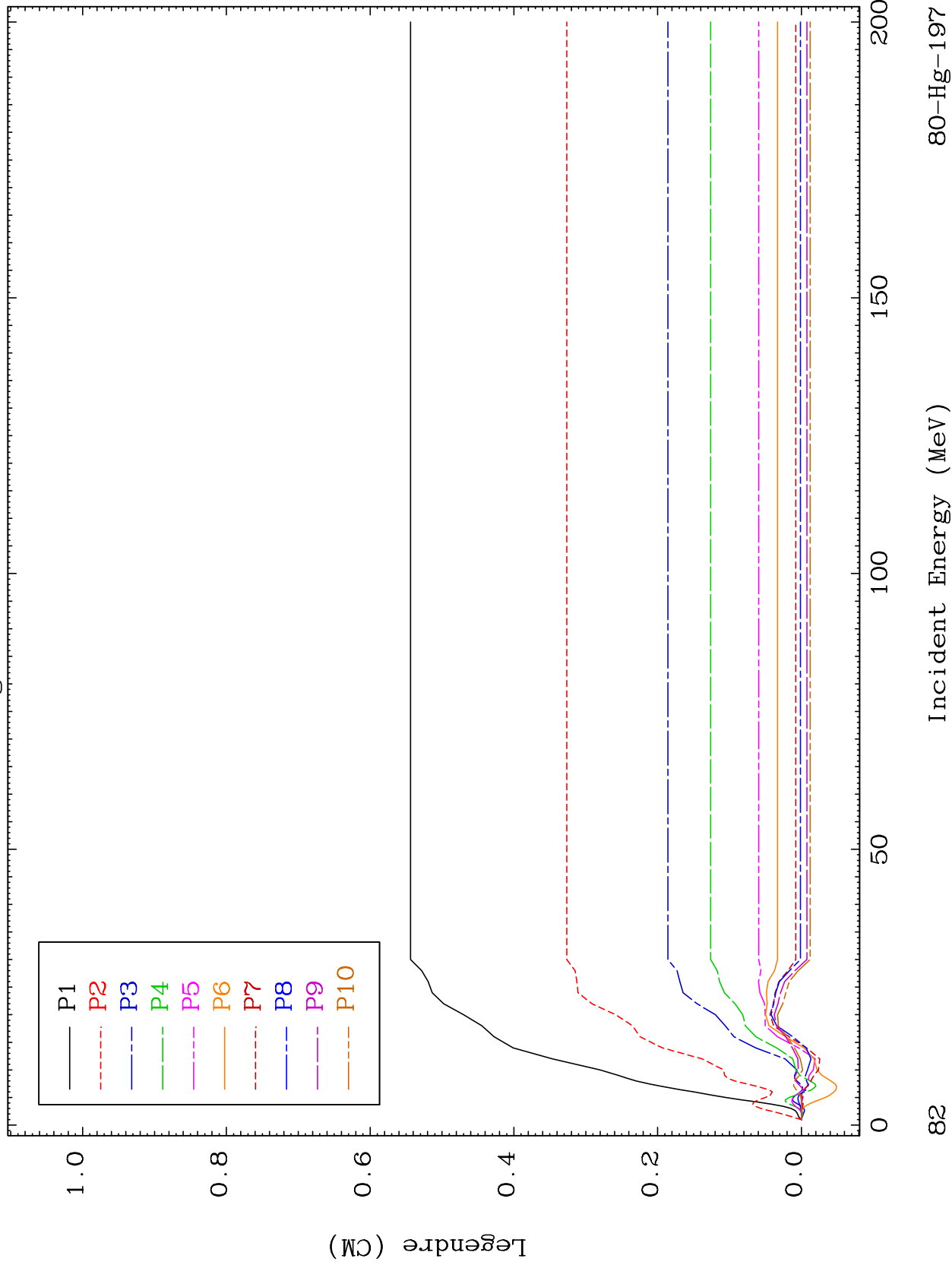




MAT 8028

892.5 keV (n,n') Level
Legendre Coefficients

80-Hg-197



80-Hg-197

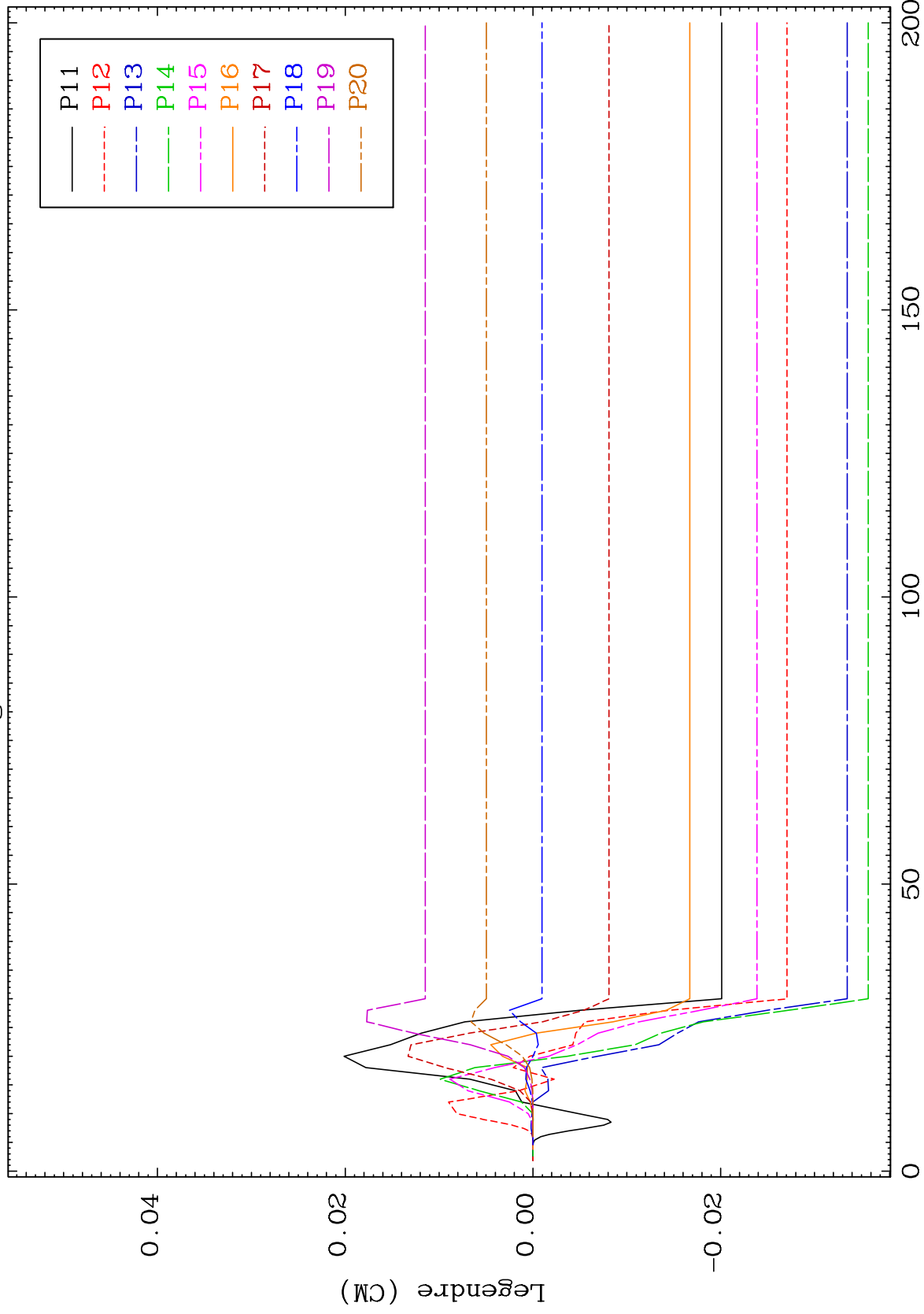
Incident Energy (MeV)

82

MAT 8028

892.5 keV (n,n') Level
Legendre Coefficients

80-Hg-197



83

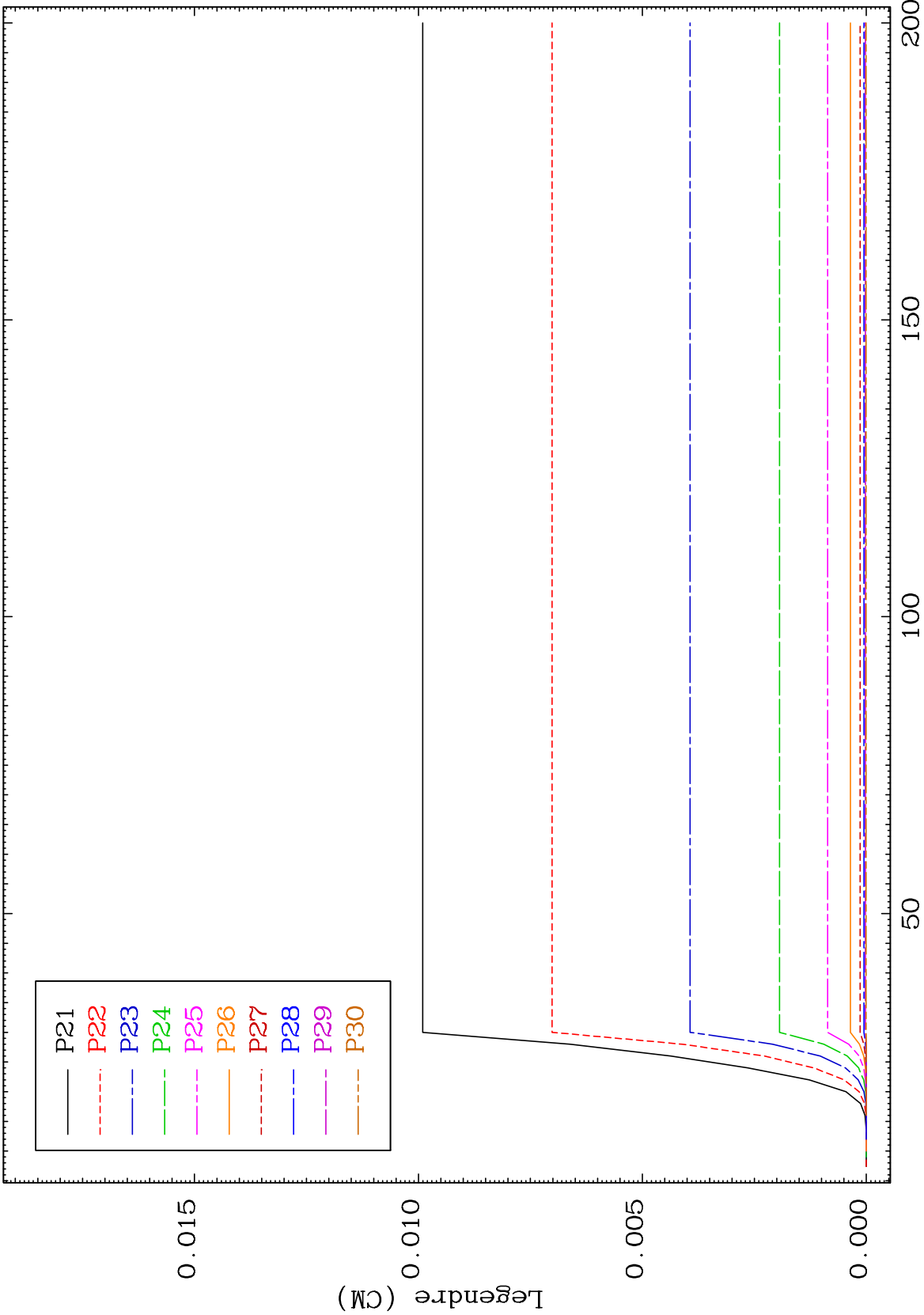
Incident Energy (MeV)

80-Hg-197

MAT 8028

892.5 keV (n,n') Level
Legendre Coefficients

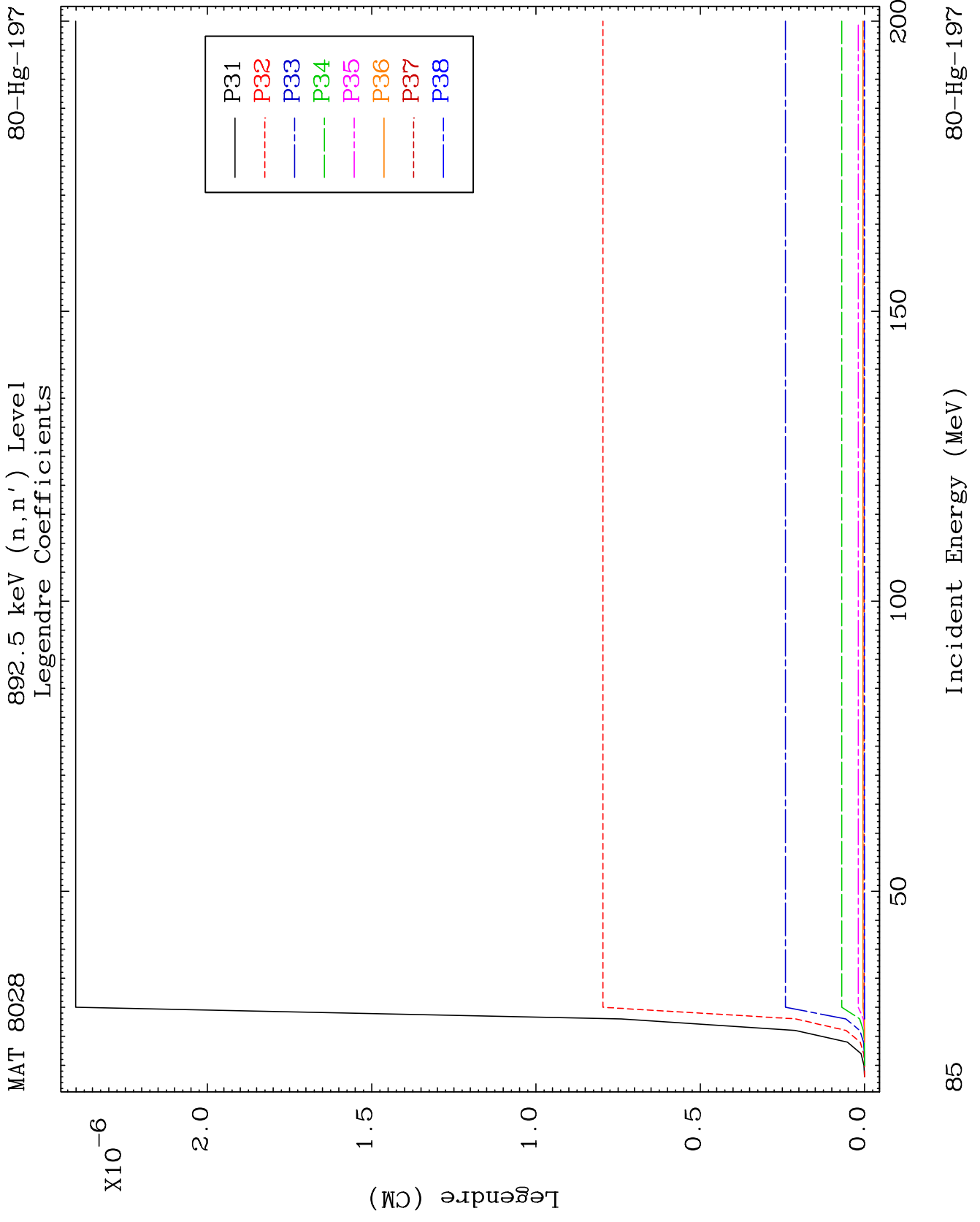
80-Hg-197

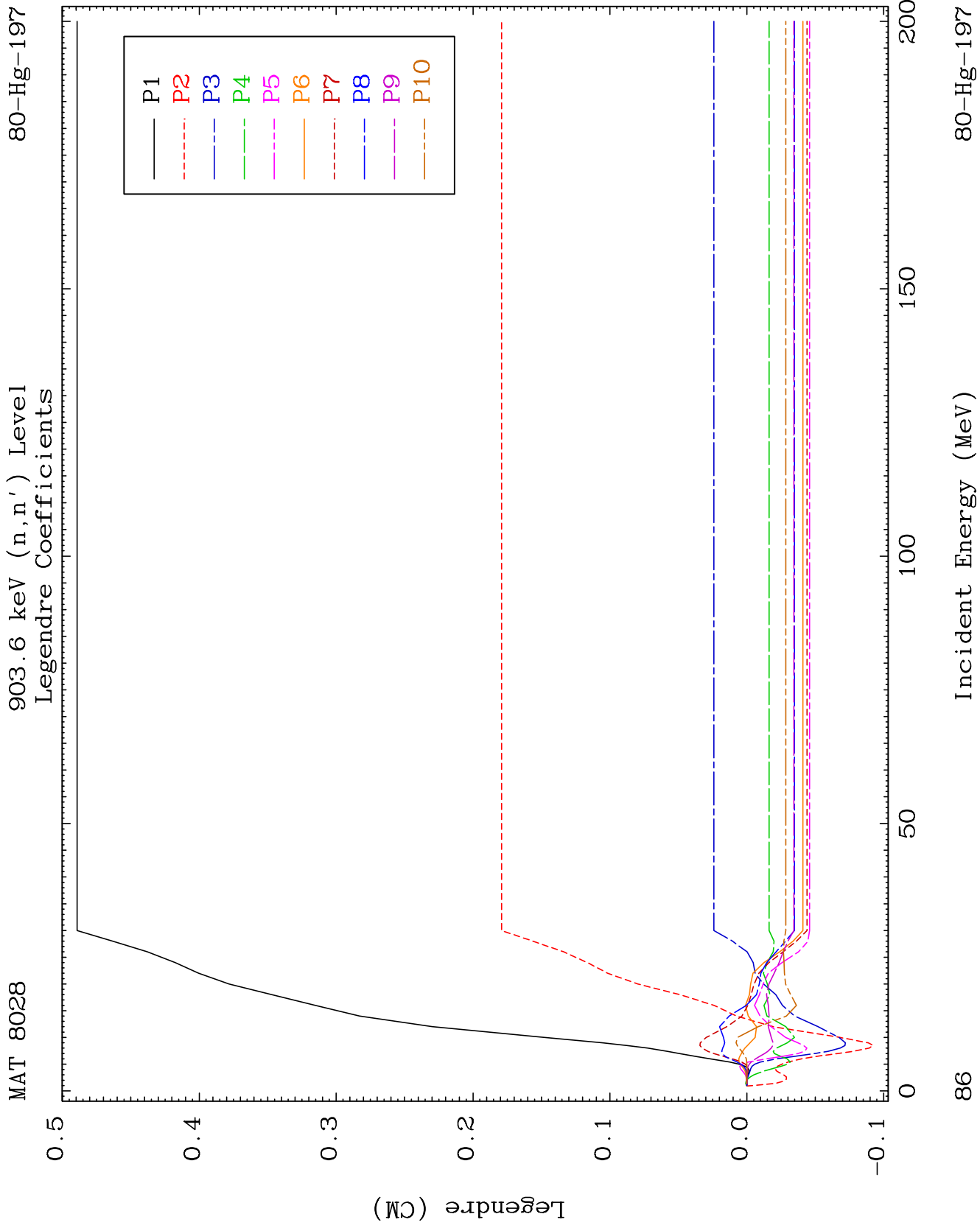


84

Incident Energy (MeV)

80-Hg-197

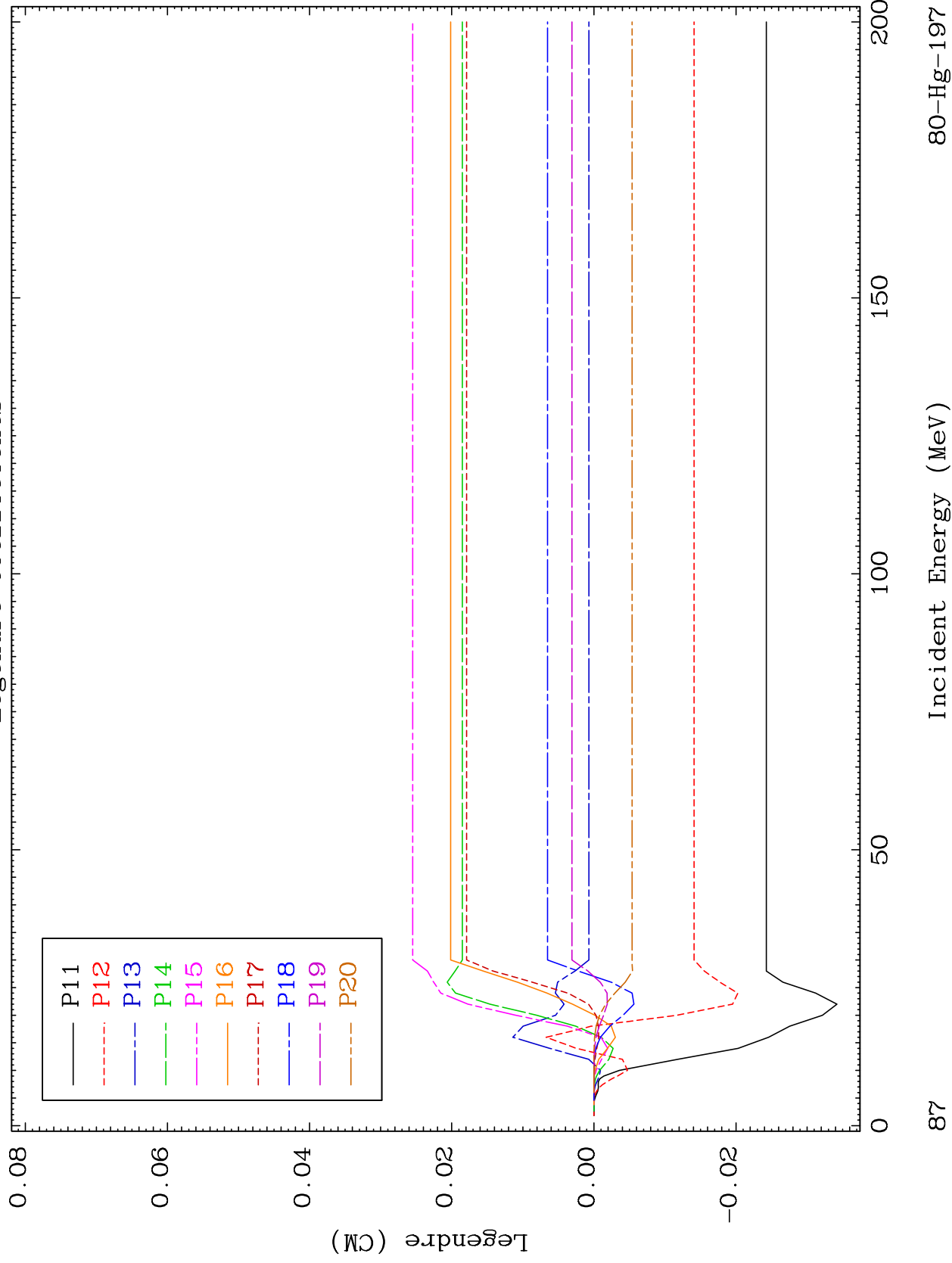




MAT 8028

903.6 keV (n,n') Level
Legendre Coefficients

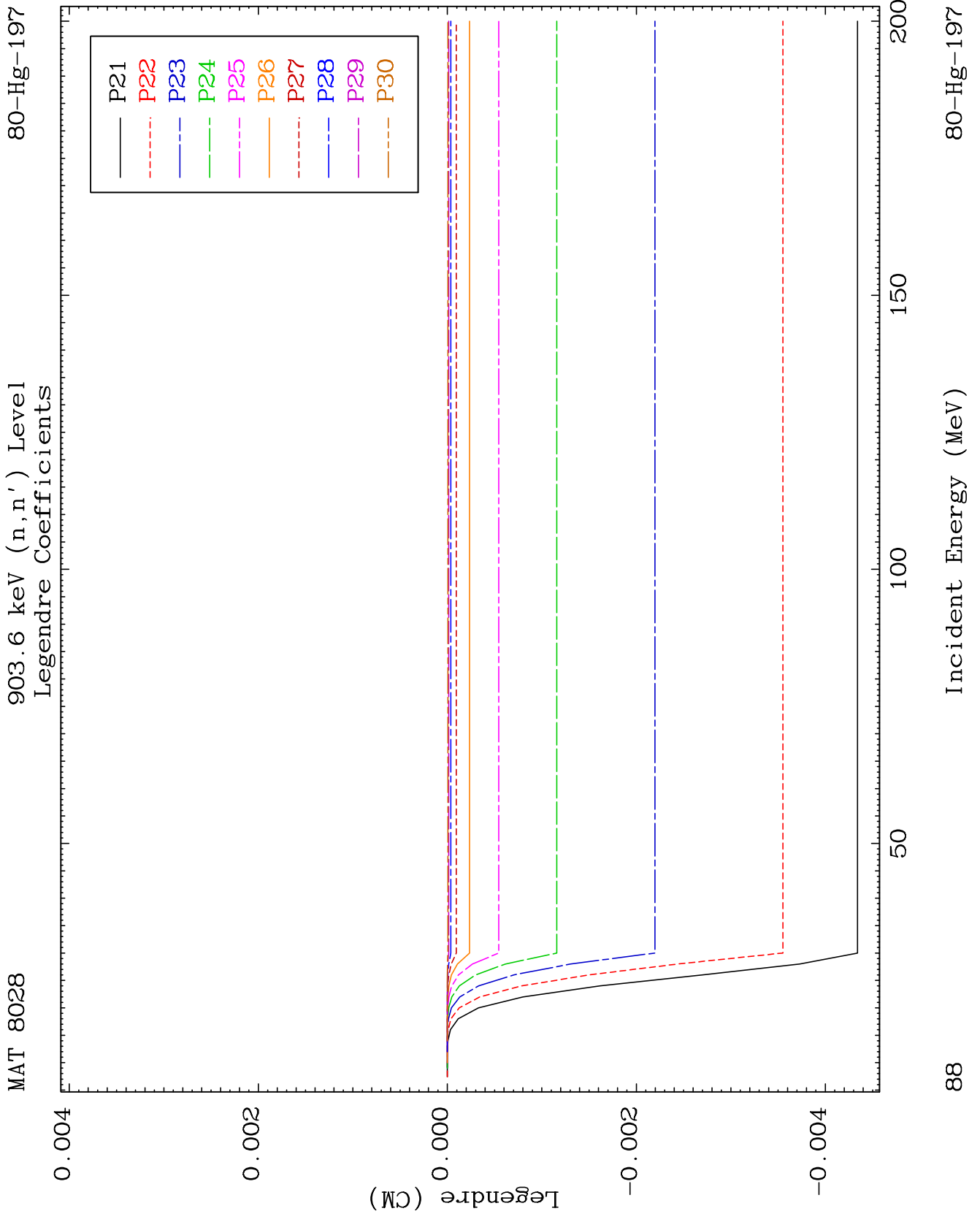
80-Hg-197

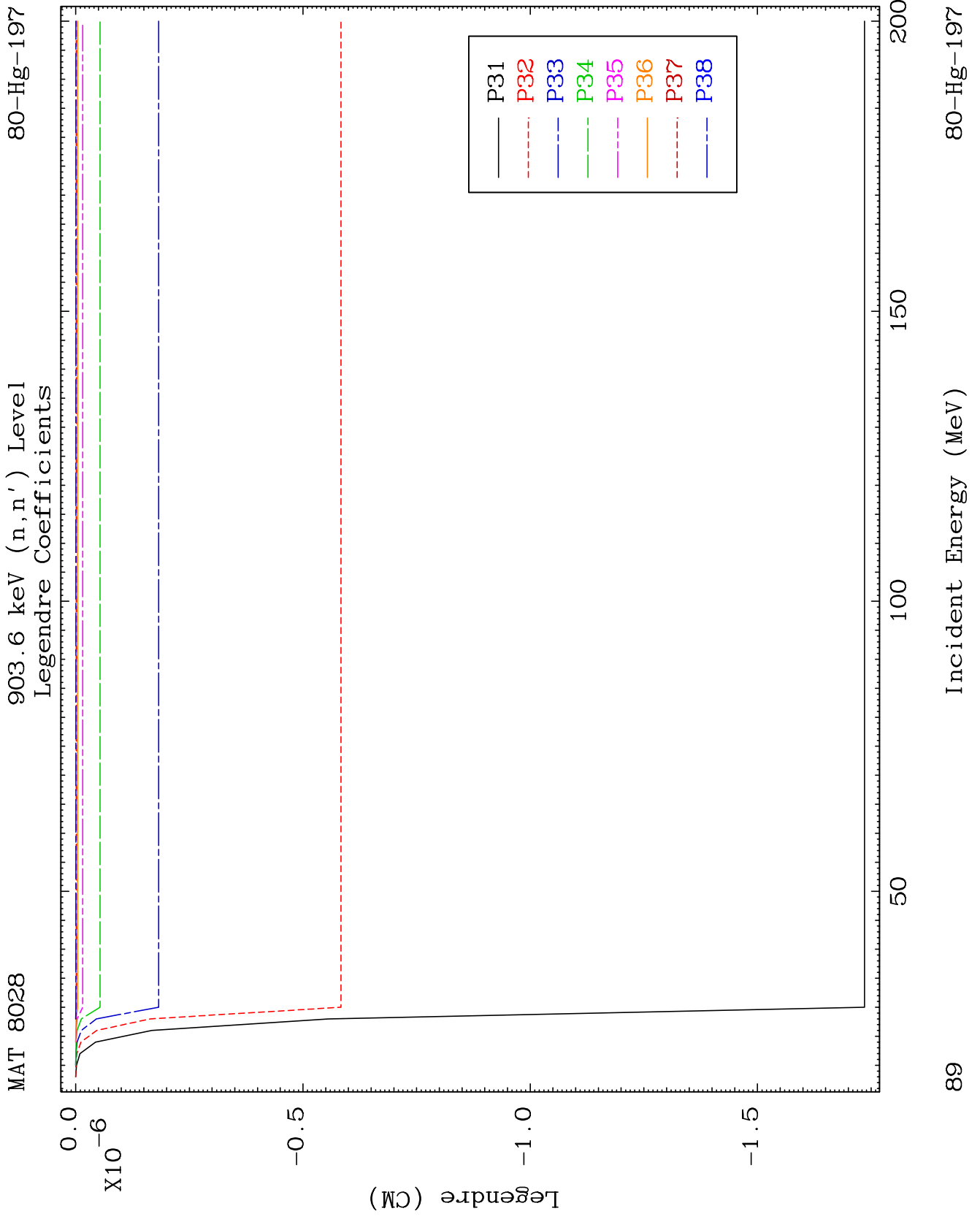


87

Incident Energy (MeV)

80-Hg-197

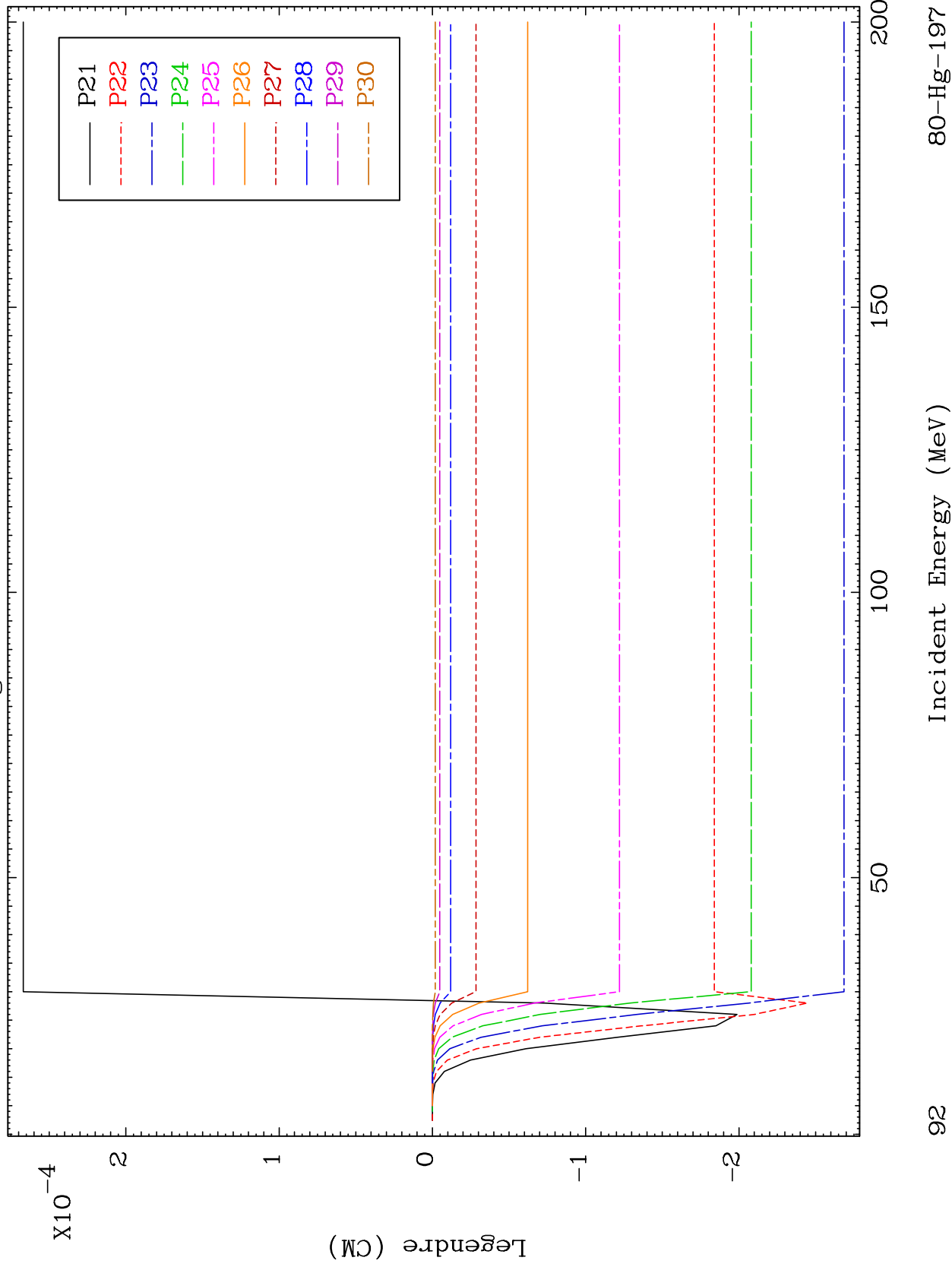


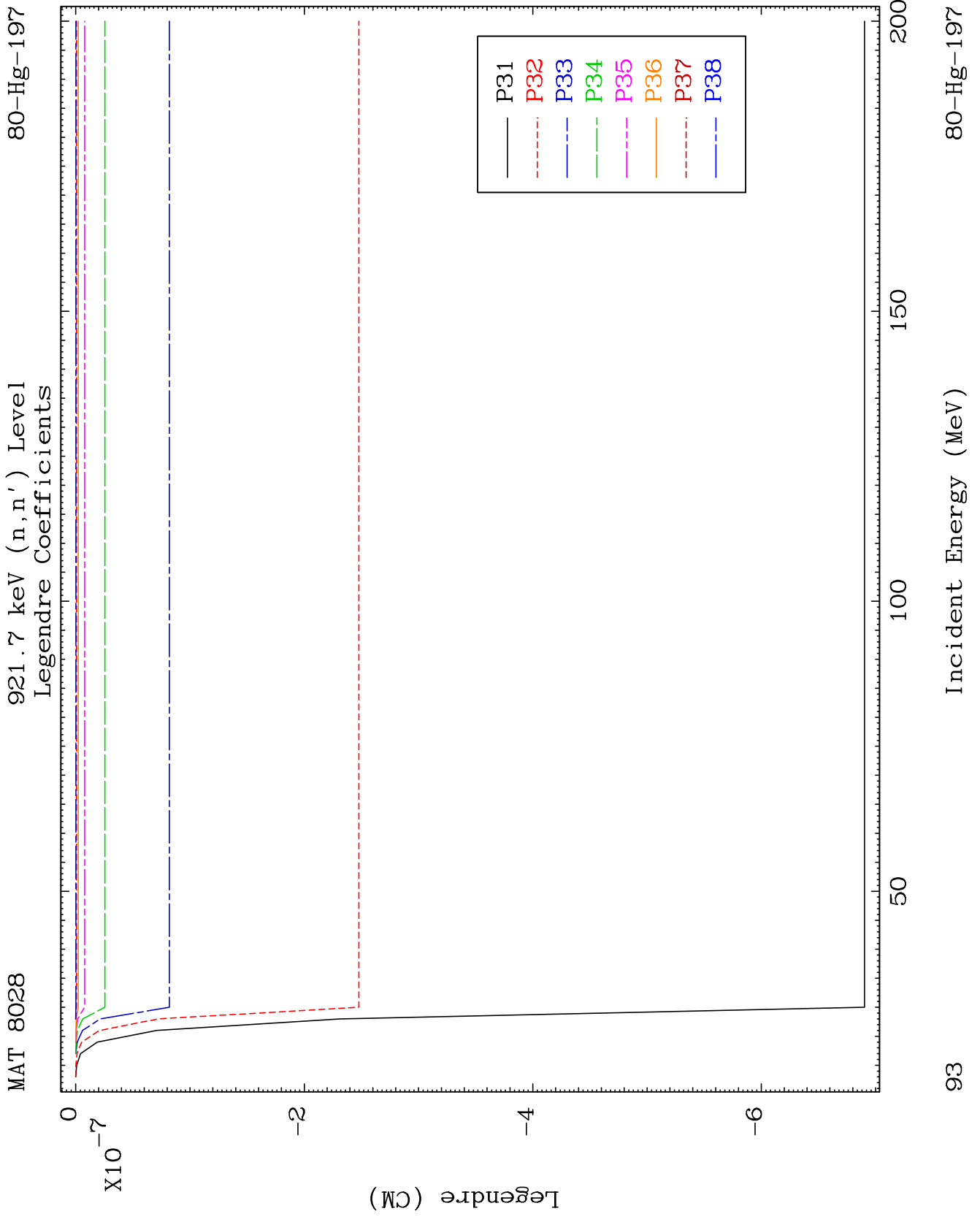


MAT 8028

921.7 keV (n,n') Level
Legendre Coefficients

80-Hg-197

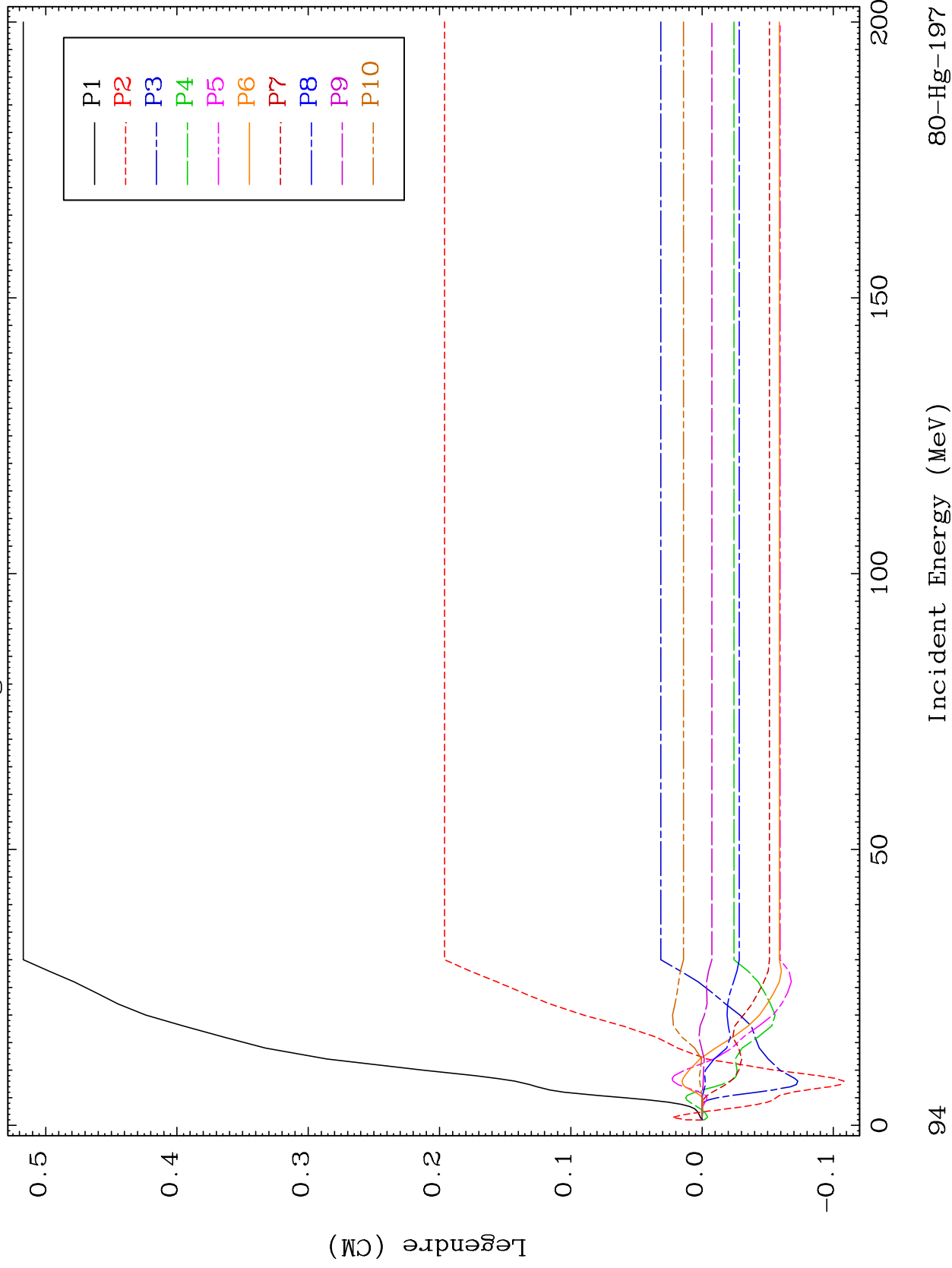




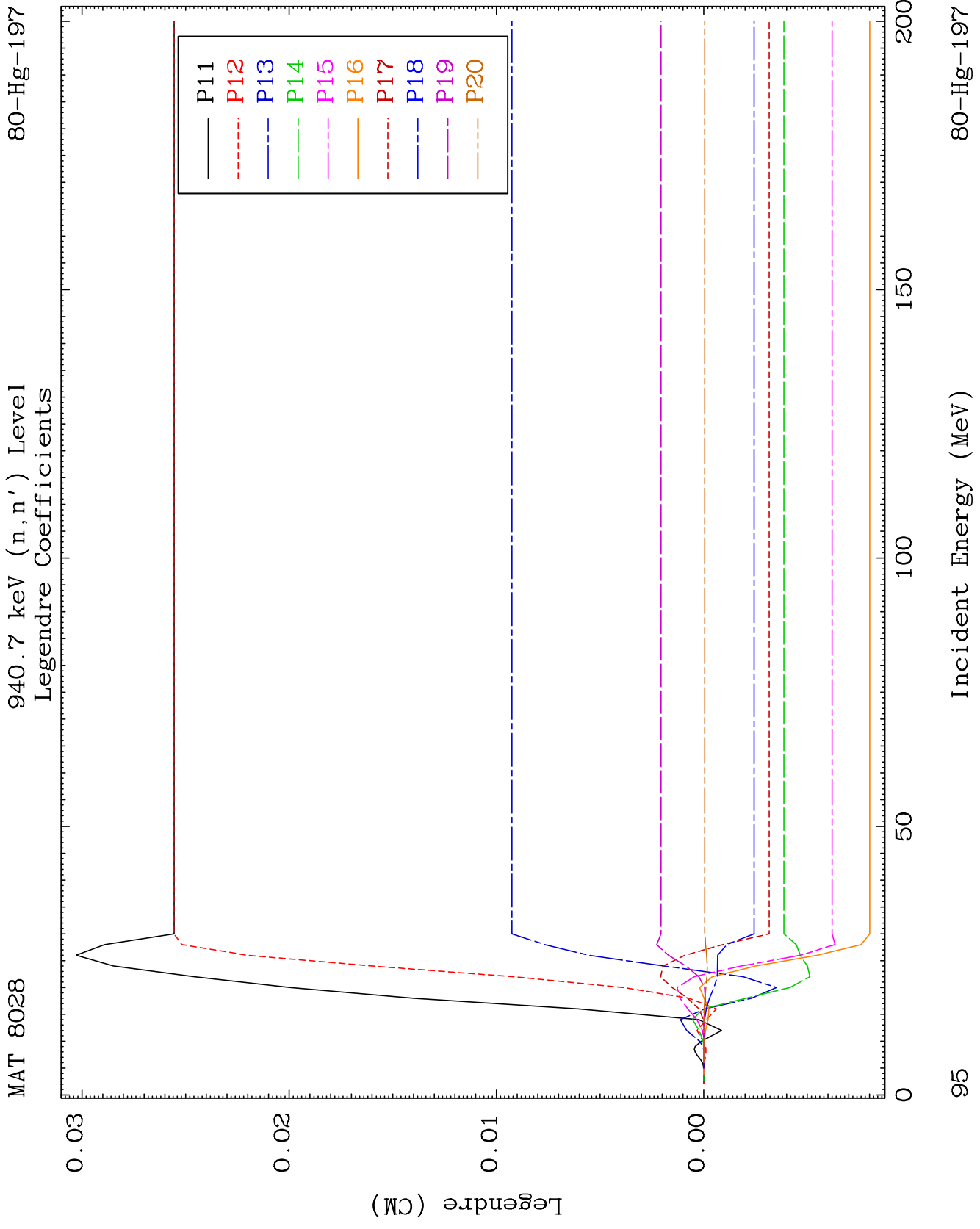
MAT 8028

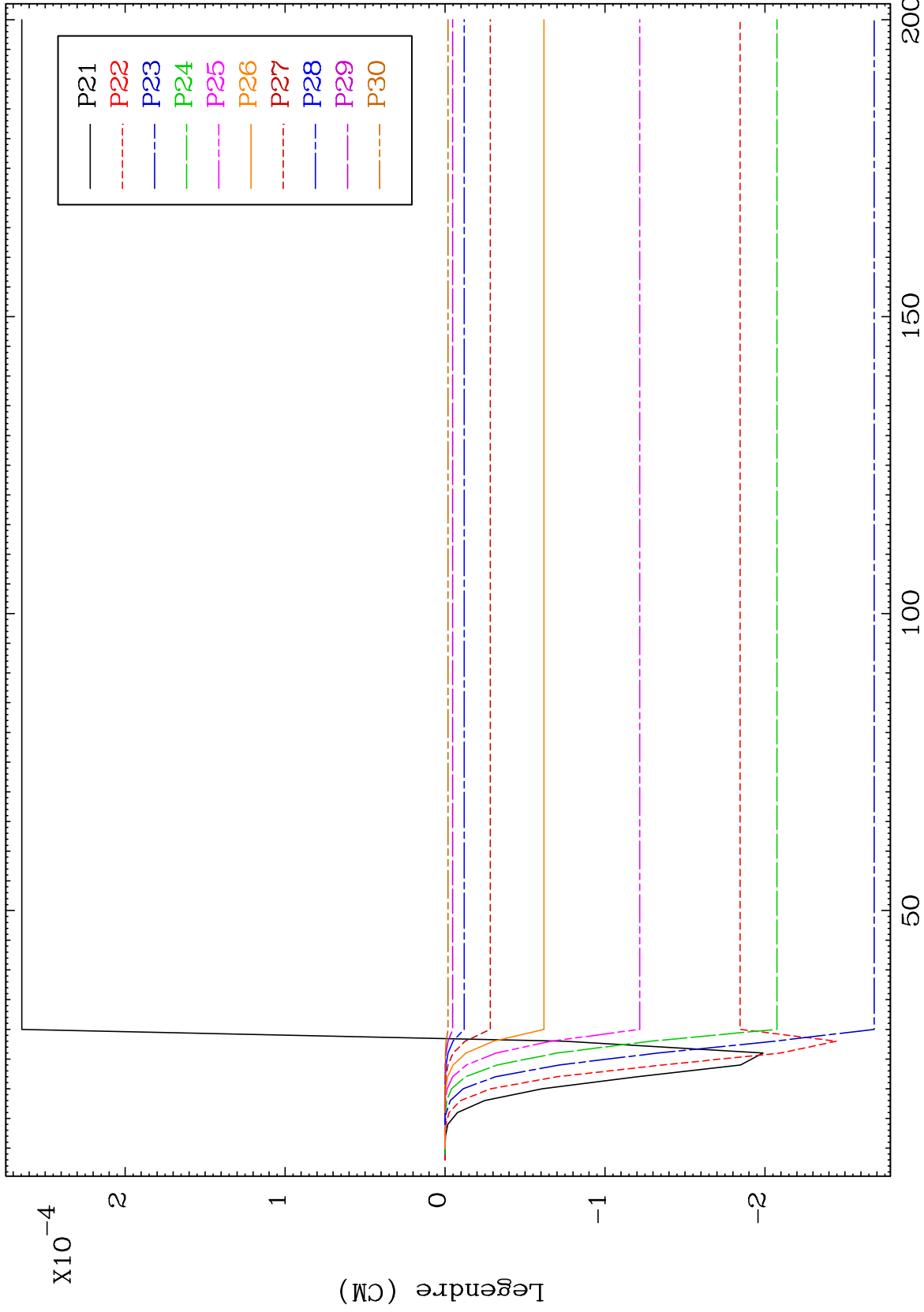
940.7 keV (n,n') Level
Legendre Coefficients

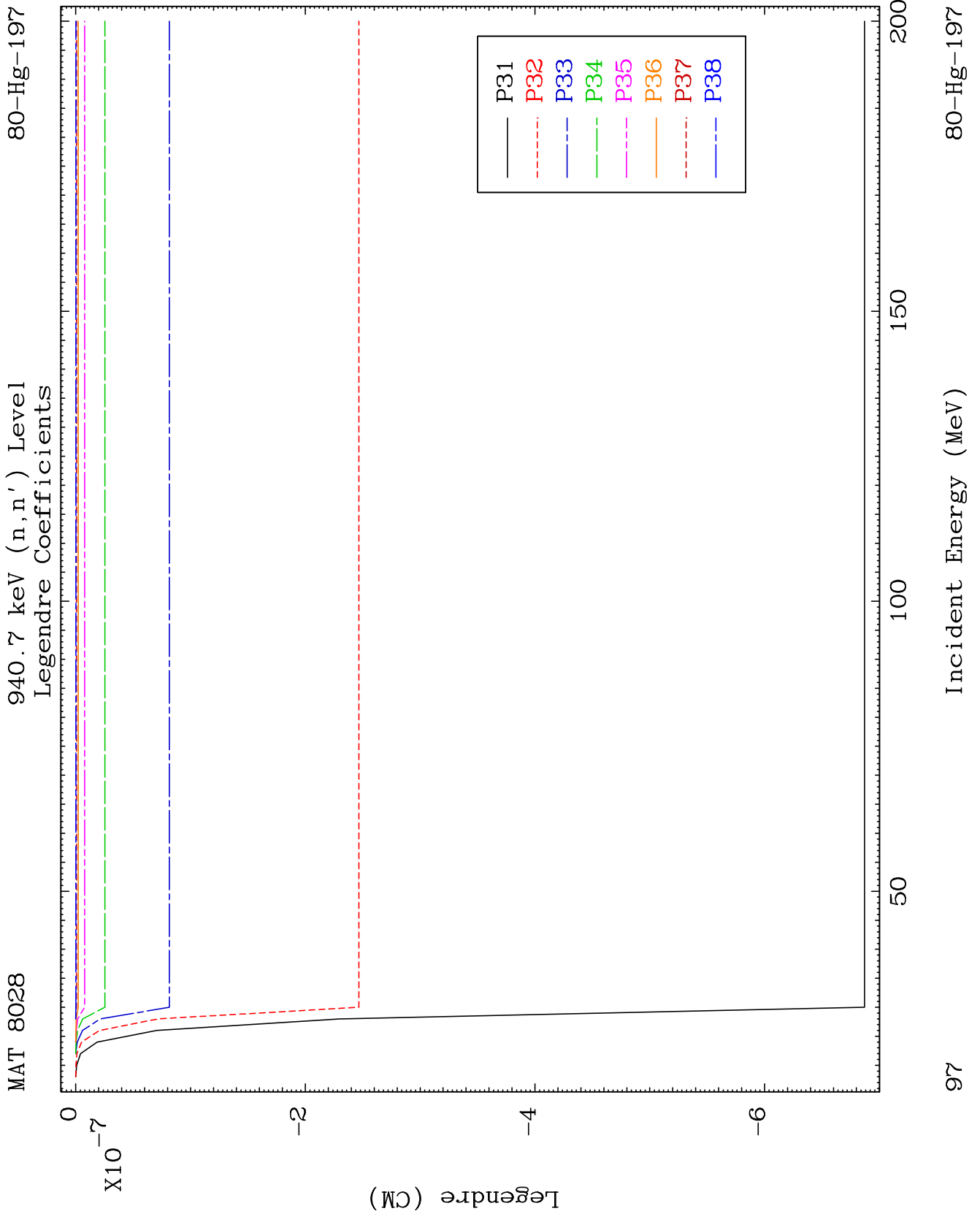
80-Hg-197

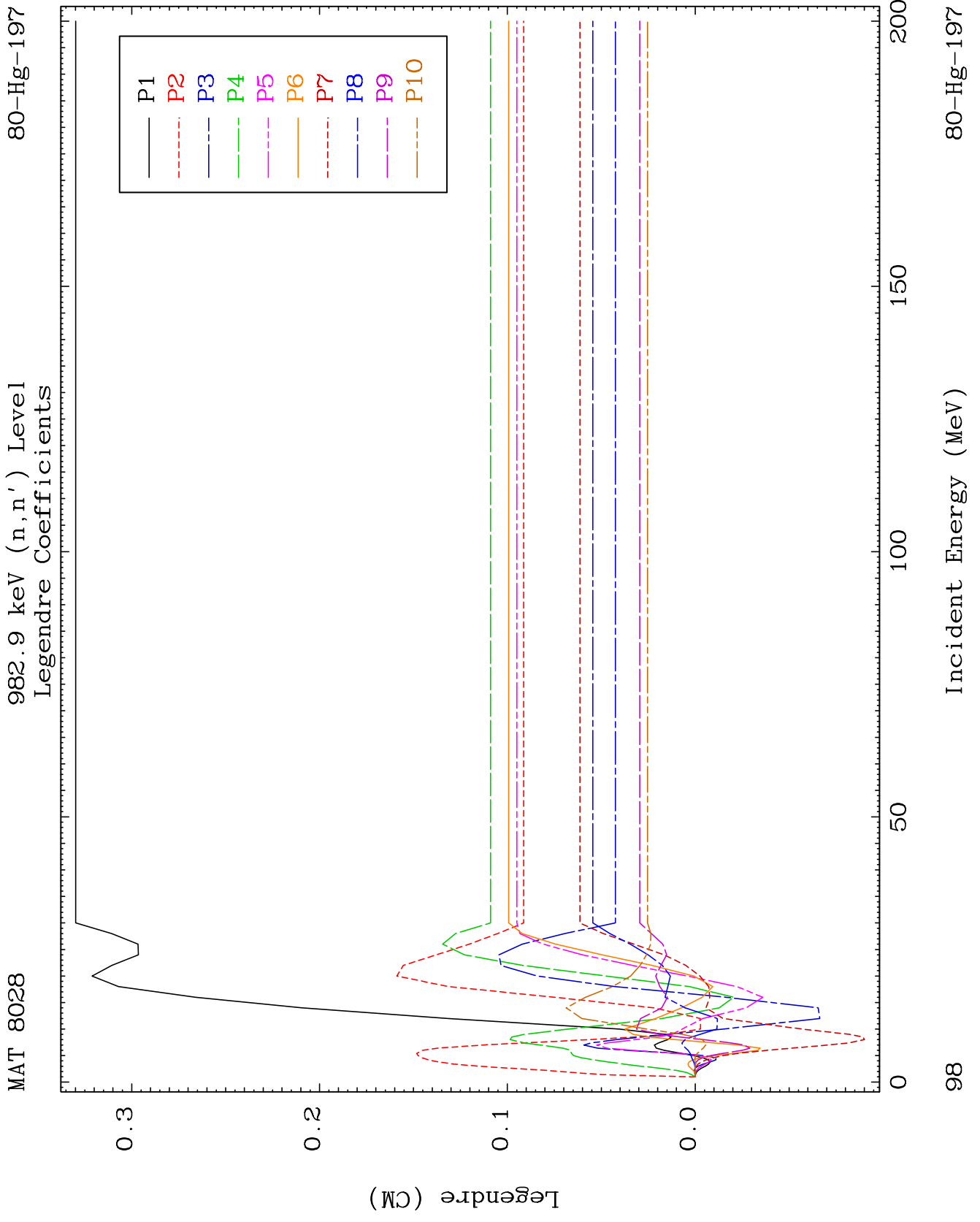


94





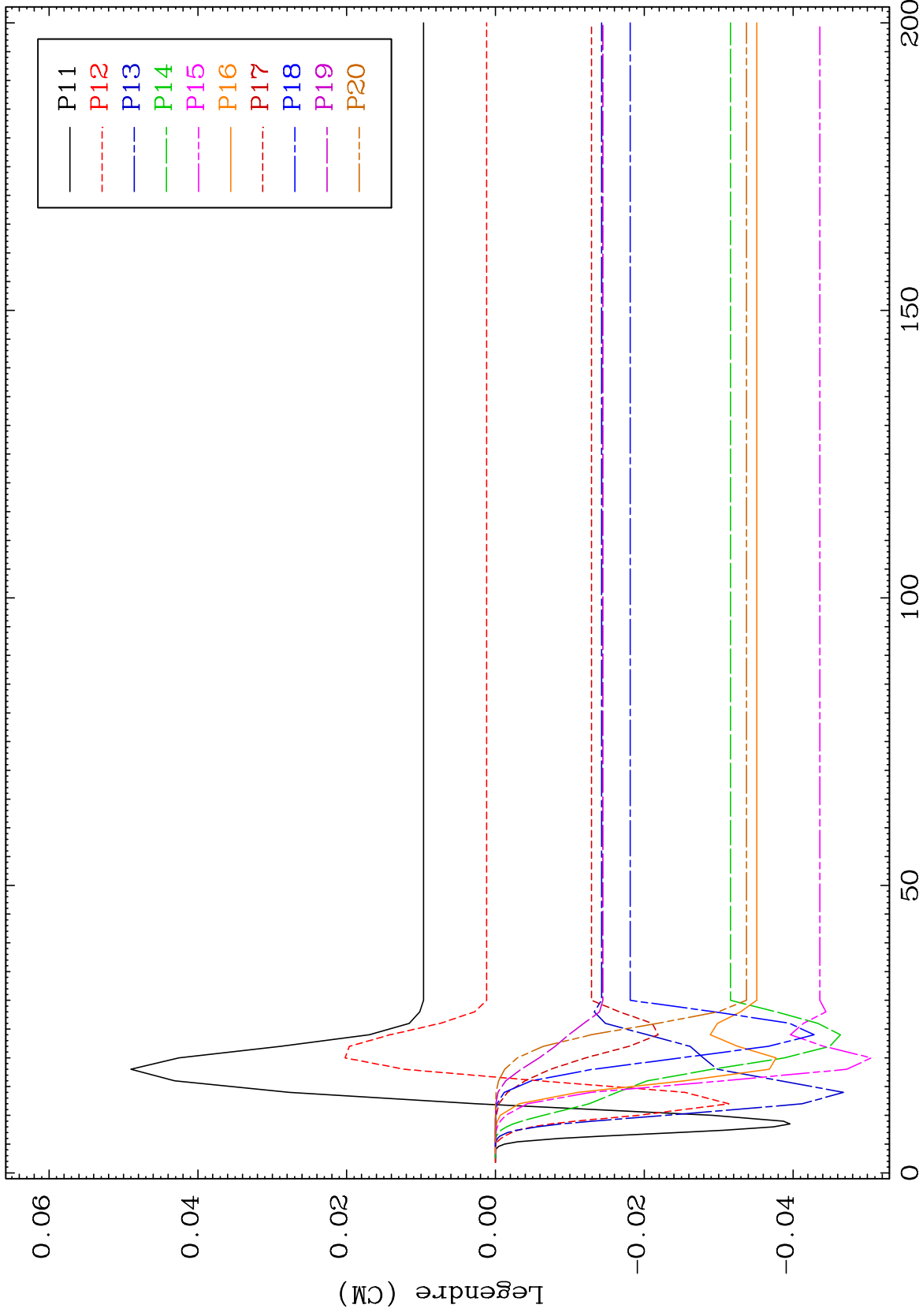




MAT 8028

982.9 keV (n,n') Level
Legendre Coefficients

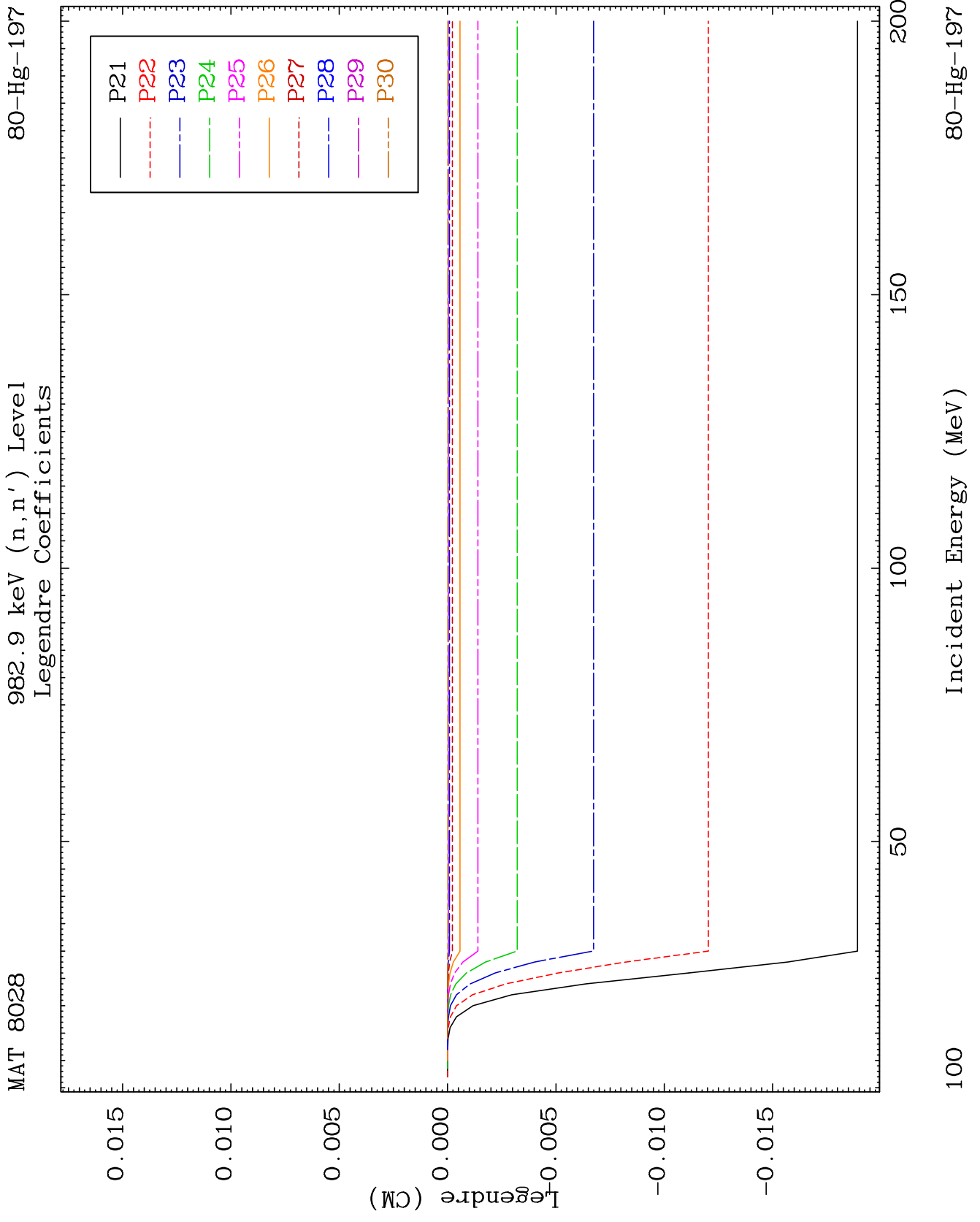
80-Hg-197

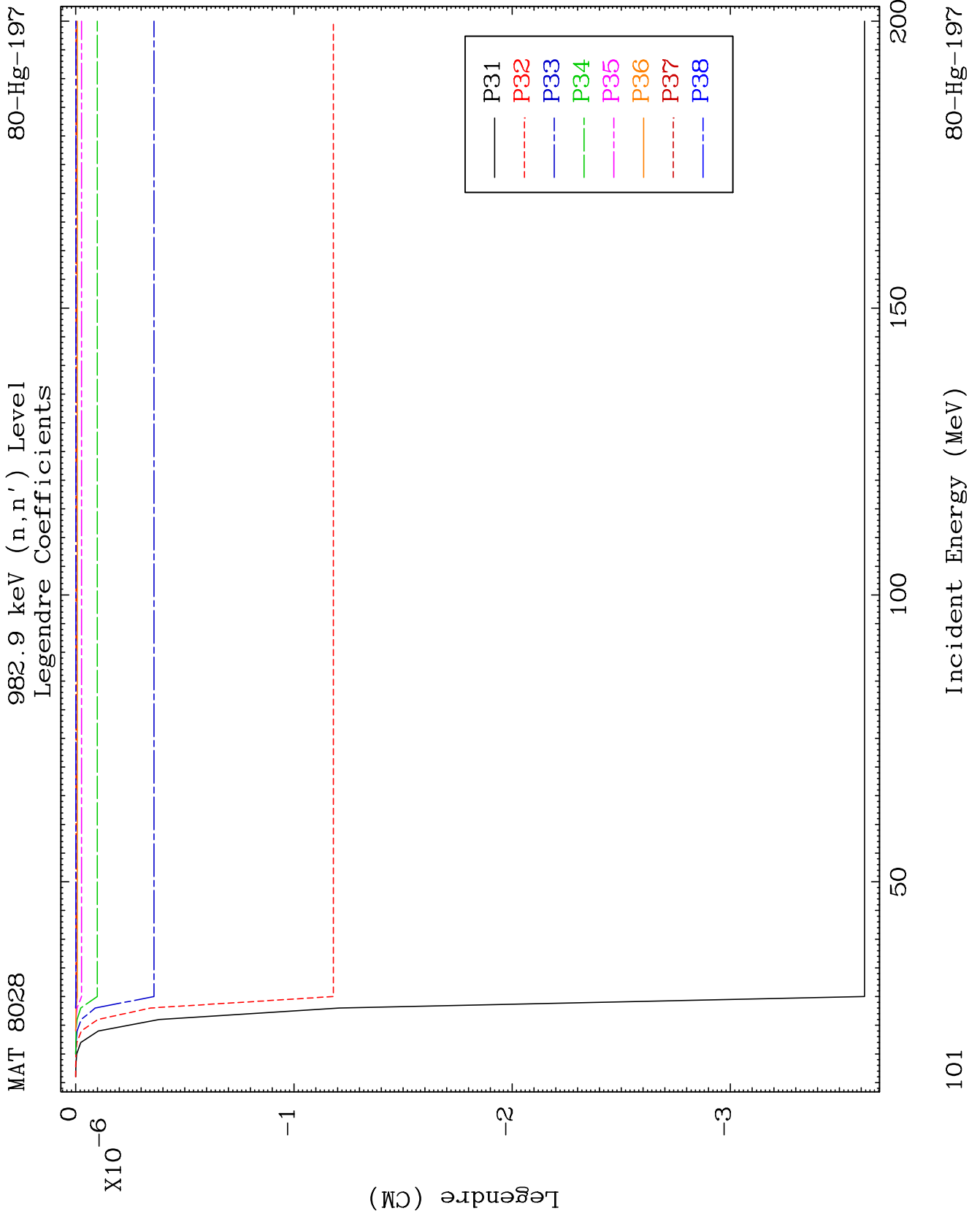


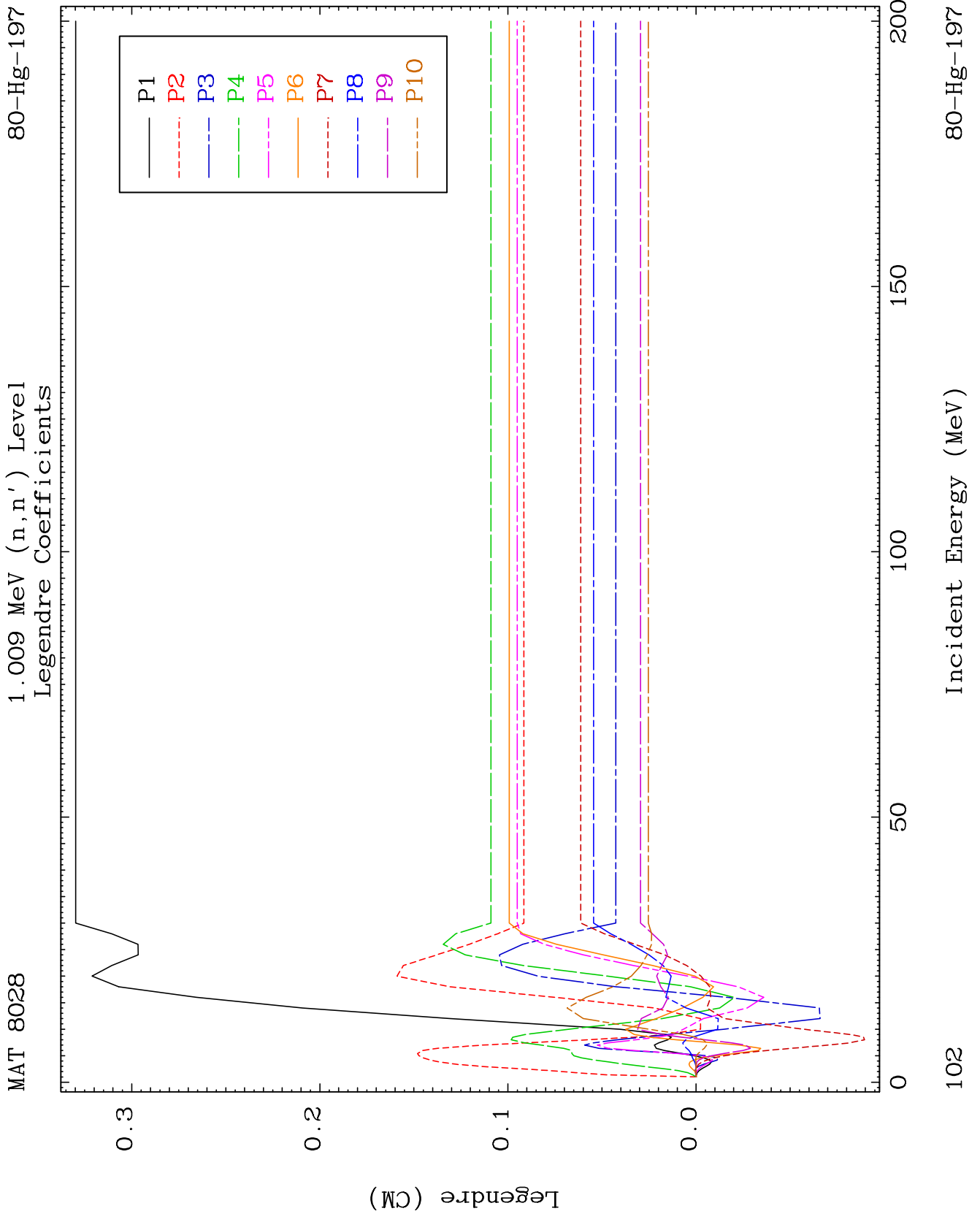
99

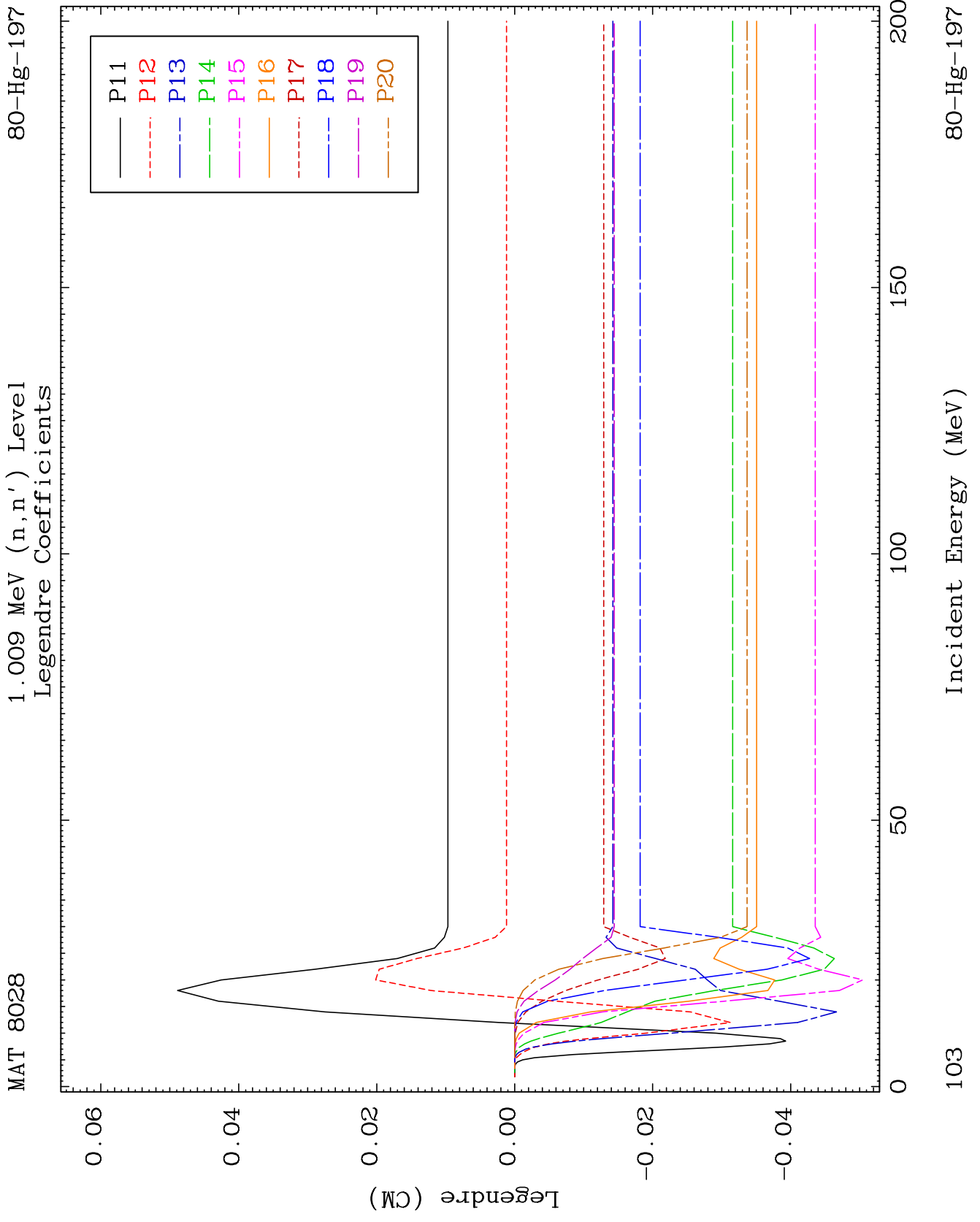
Incident Energy (MeV)

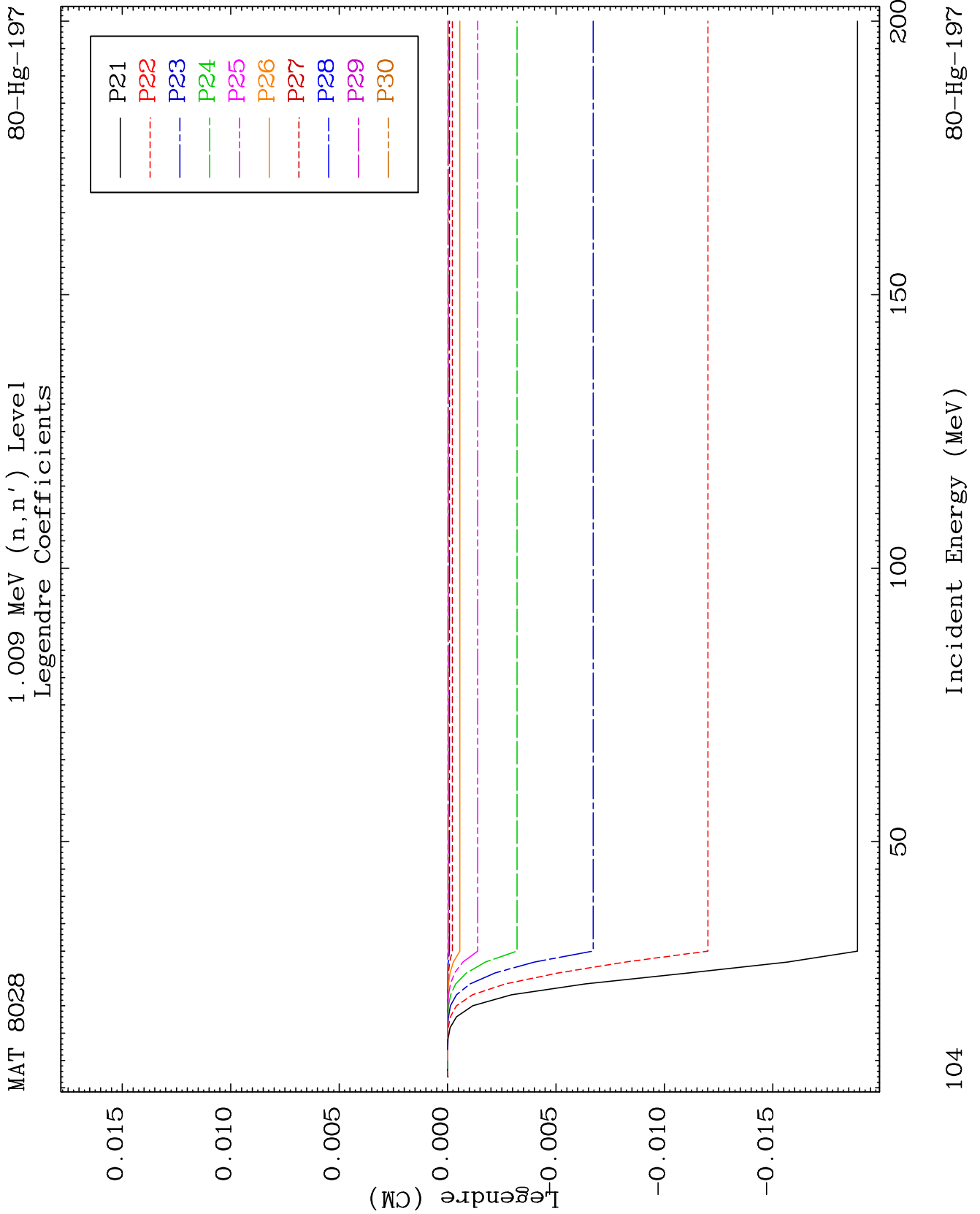
80-Hg-197

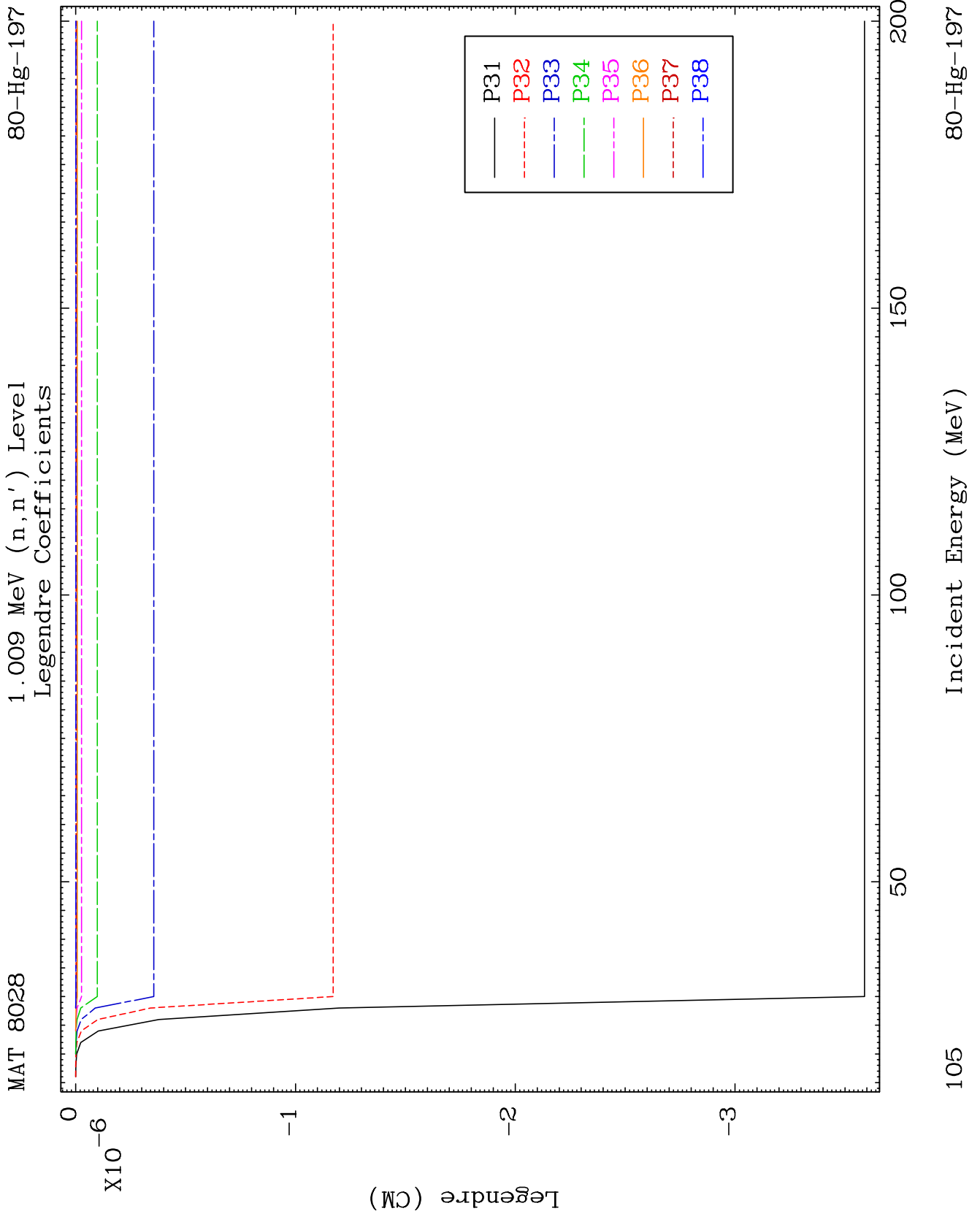


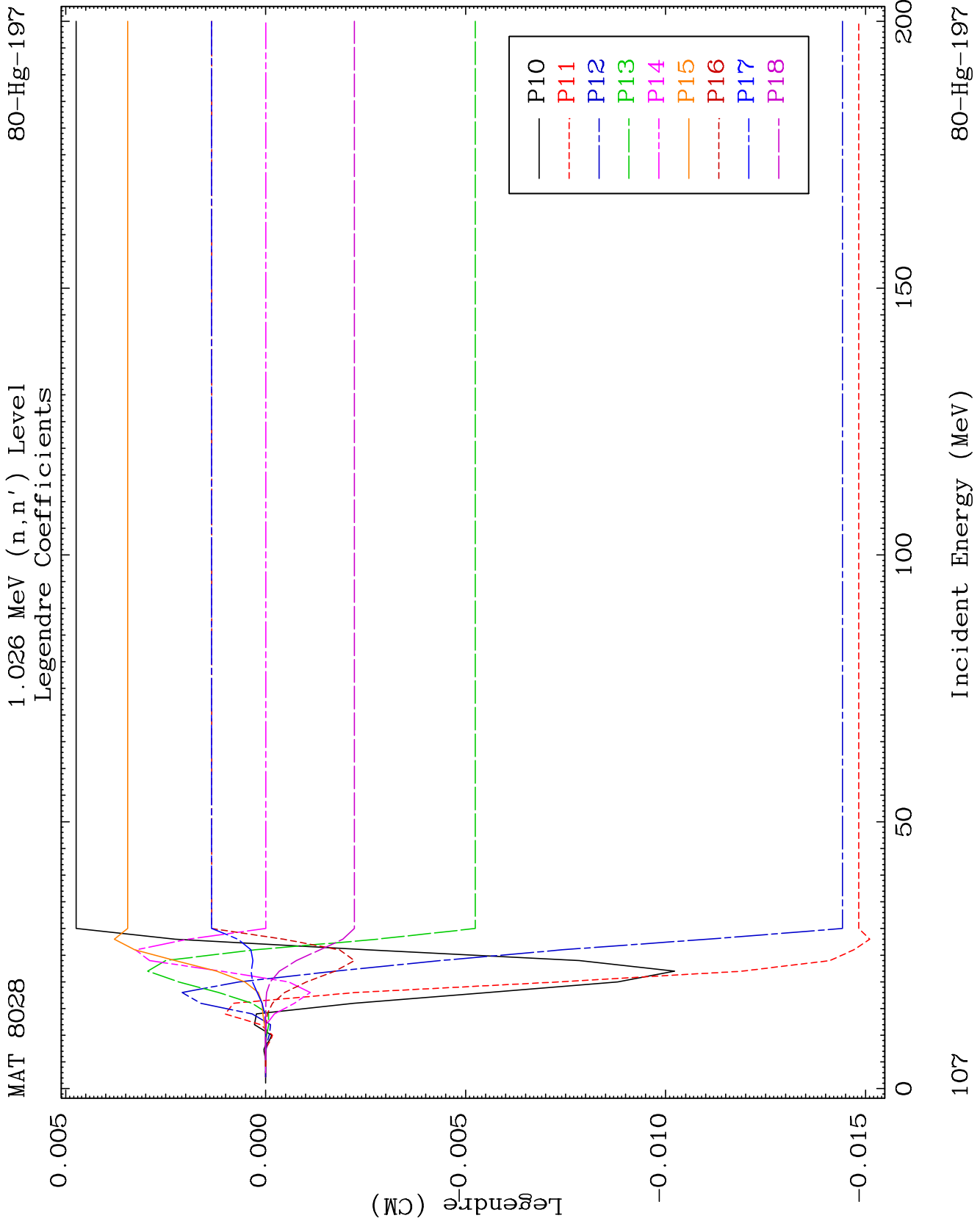








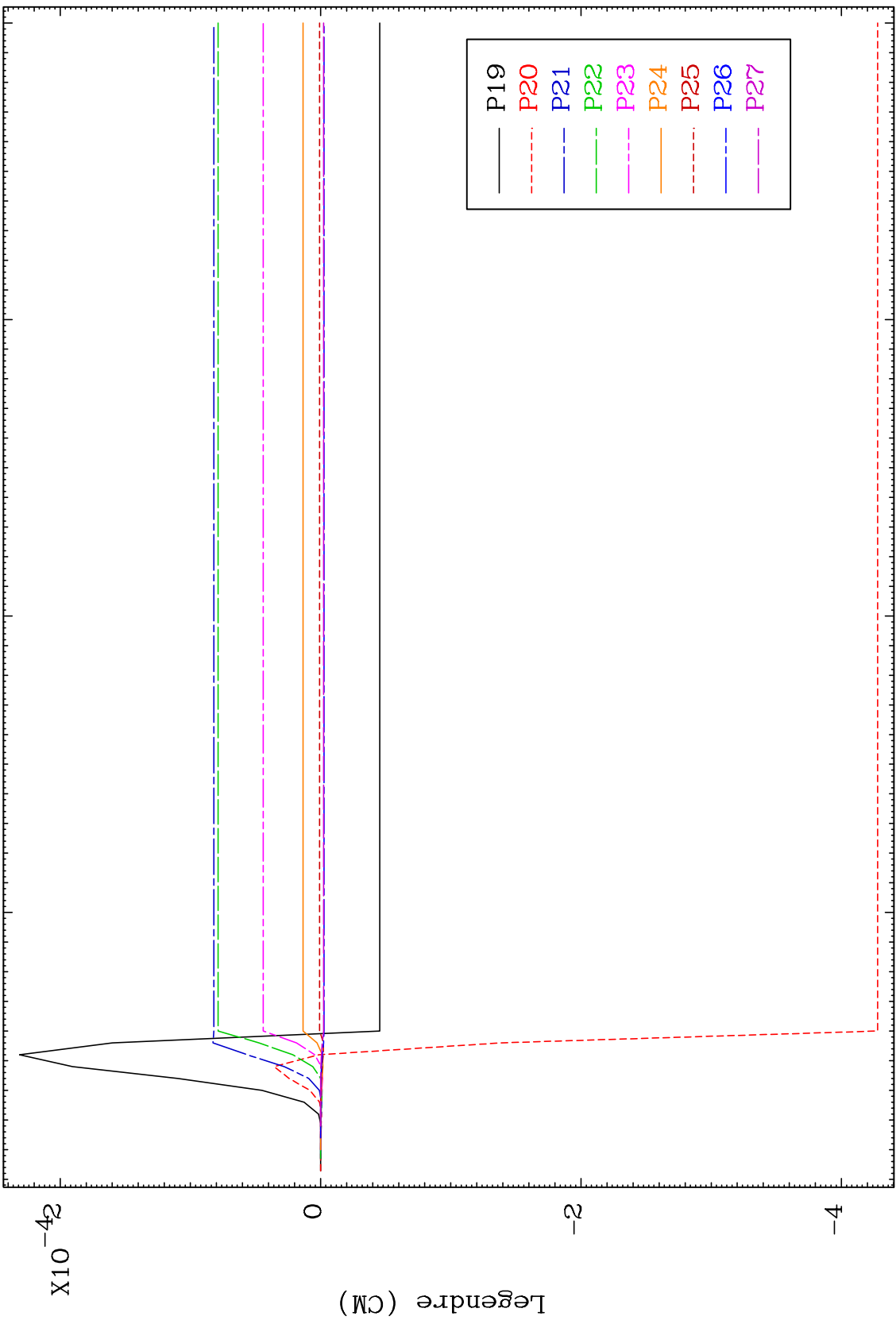




MAT 8028

1.026 MeV (n, n') Level
Legendre Coefficients

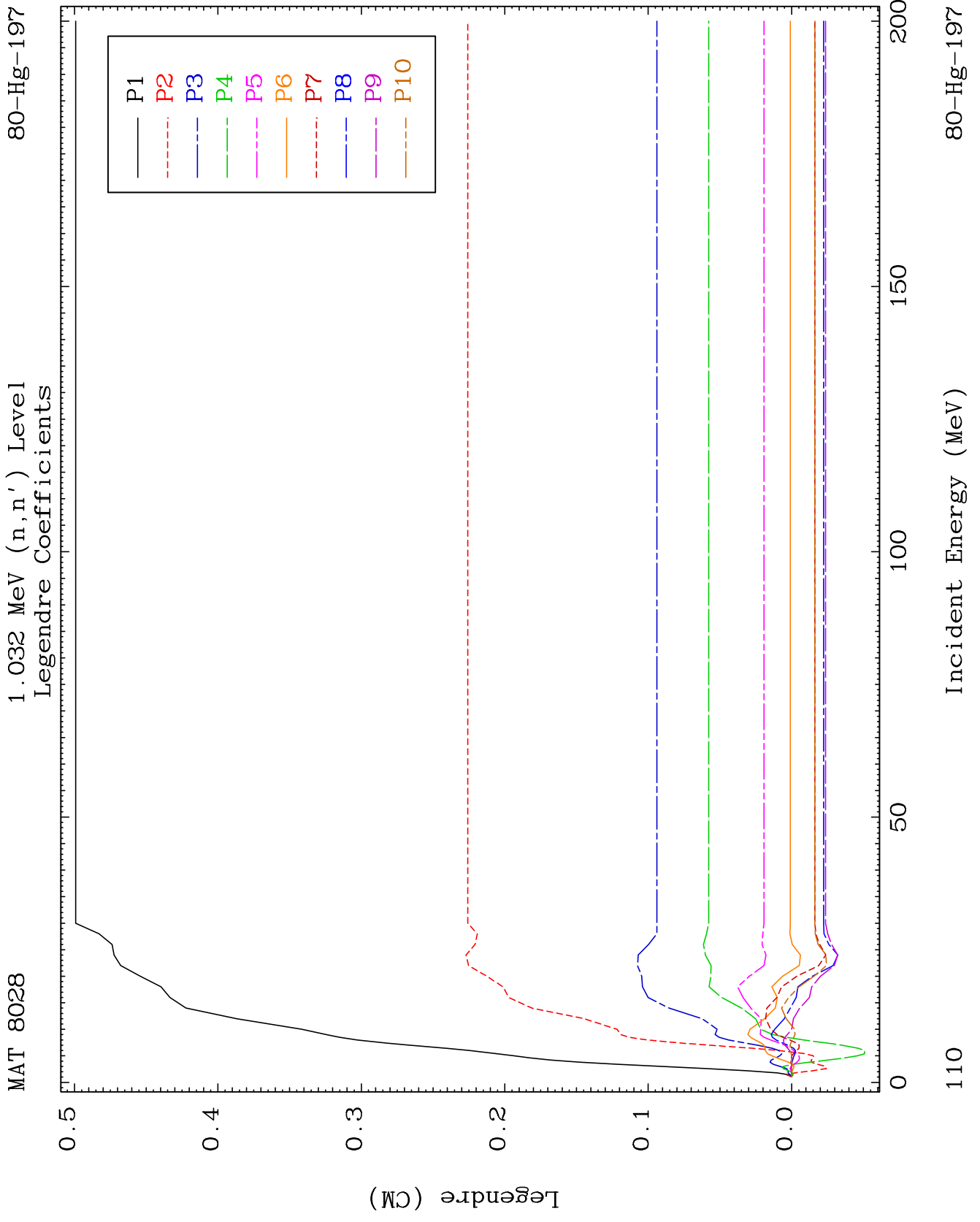
80-Hg-197



108

Incident Energy (MeV)

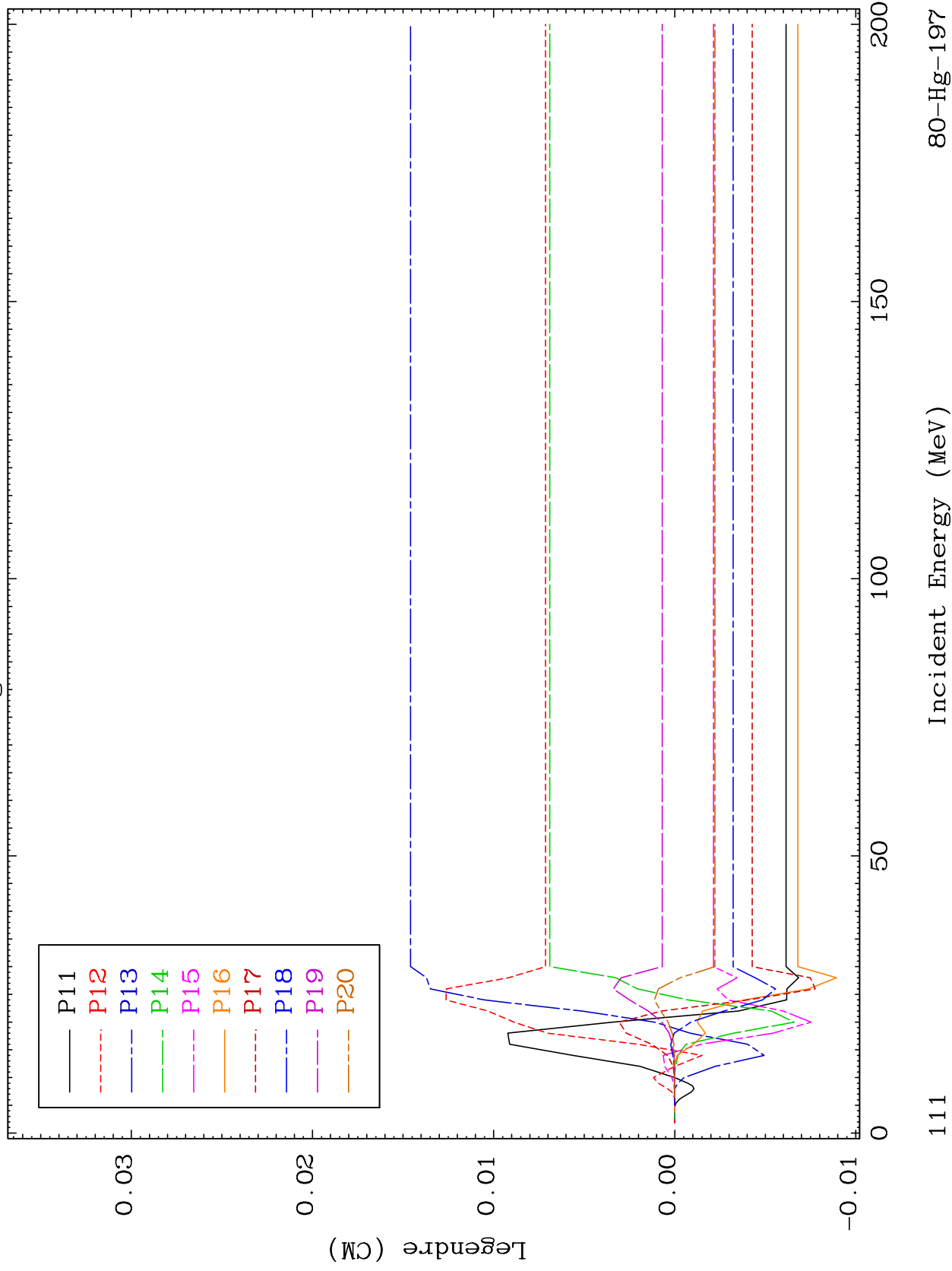
80-Hg-197



MAT 8028

1.032 MeV (n,n') Level
Legendre Coefficients

80-Hg-197



111

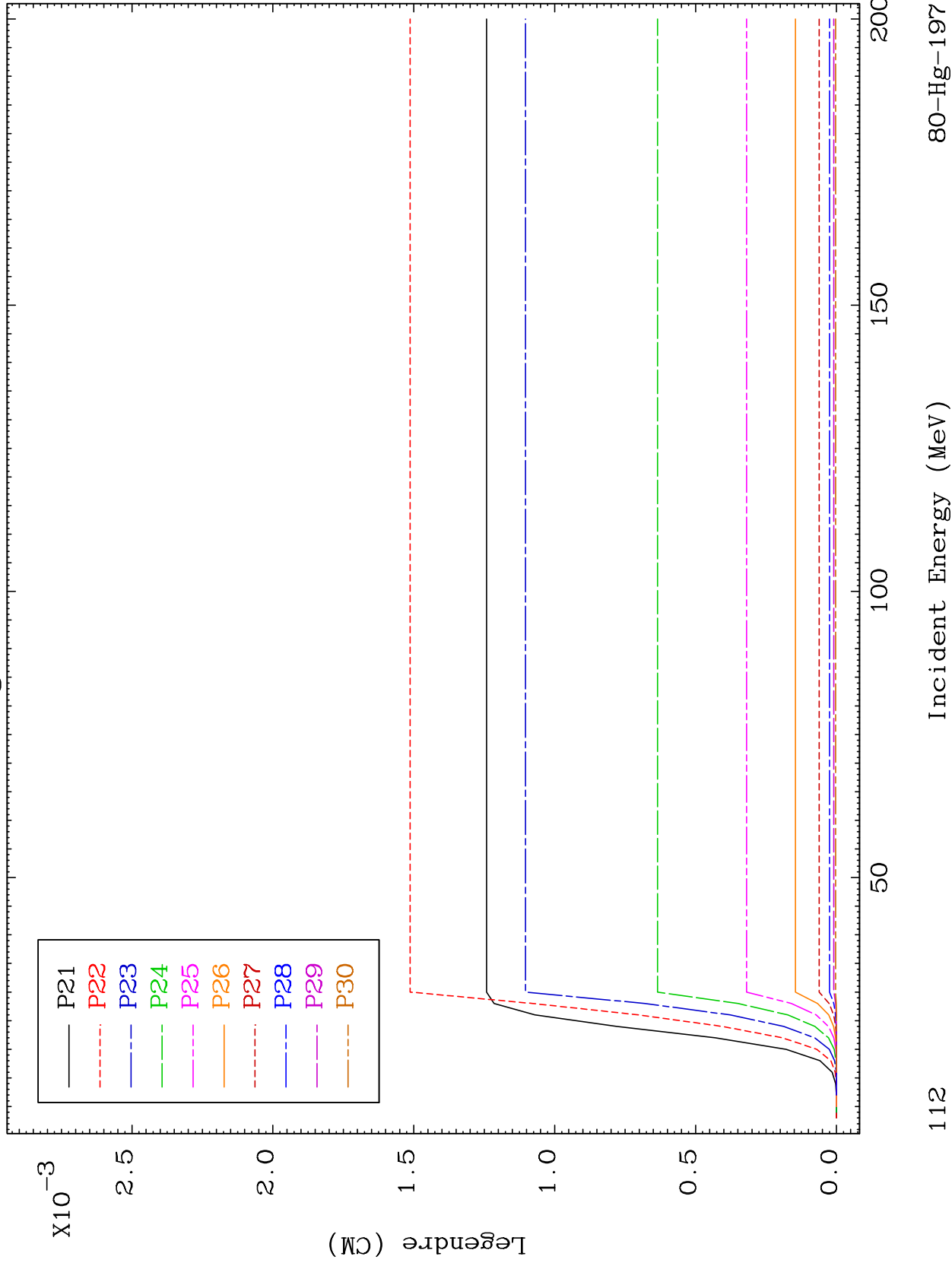
Incident Energy (MeV)

80-Hg-197

MAT 8028

1.032 MeV (n,n') Level
Legendre Coefficients

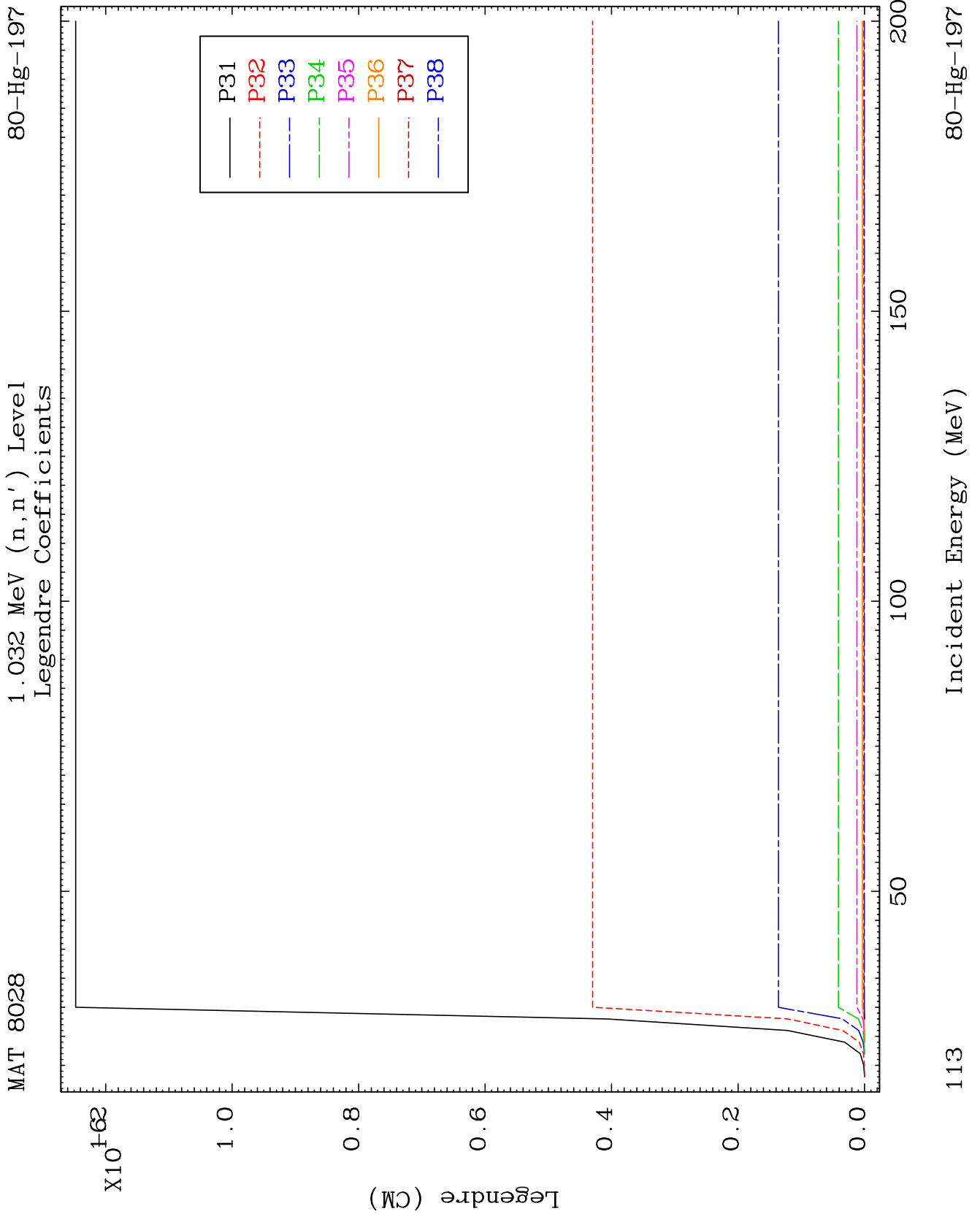
80-Hg-197



112

Incident Energy (MeV)

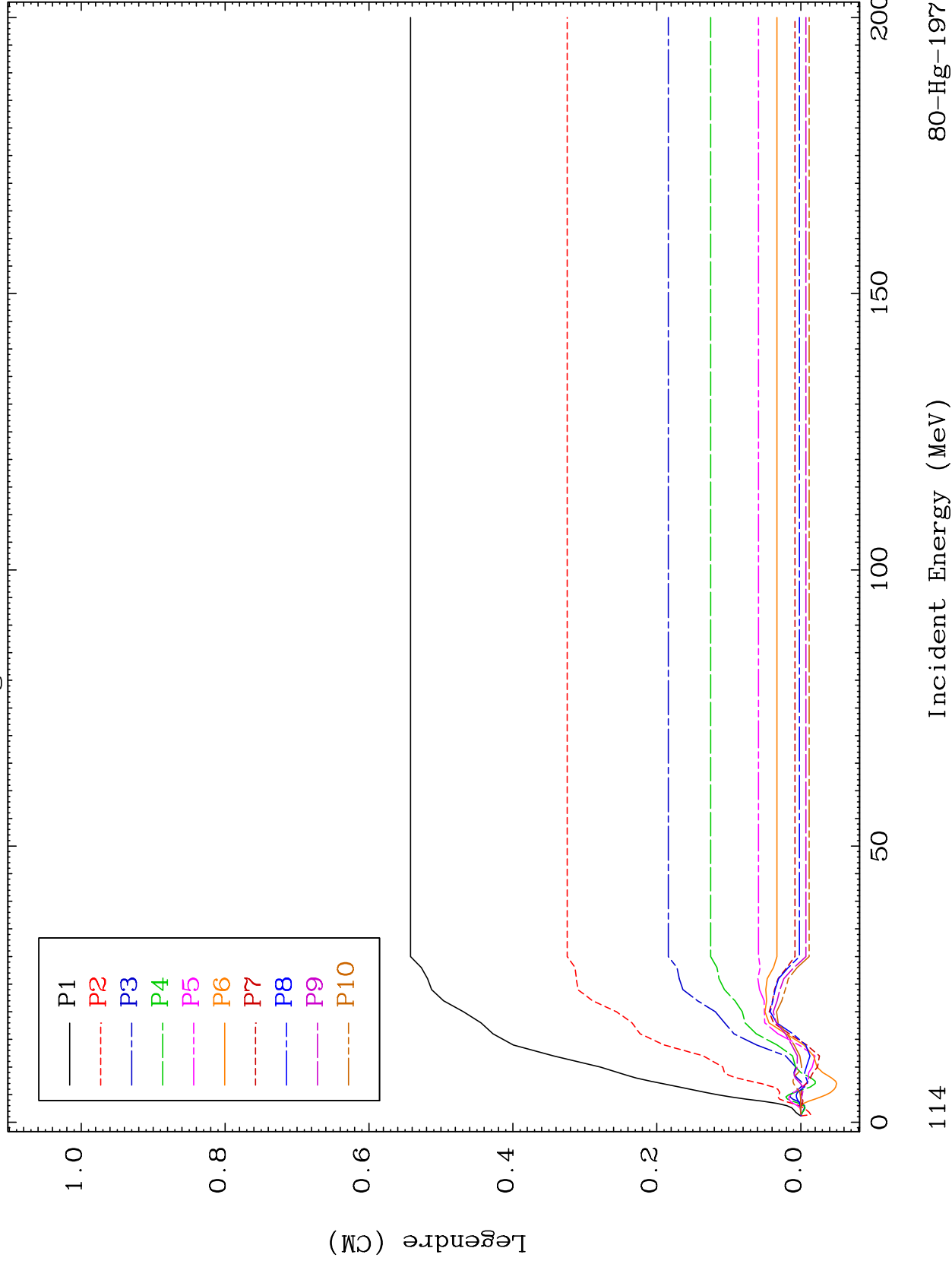
80-Hg-197



MAT 8028

1.120 MeV (n,n') Level
Legendre Coefficients

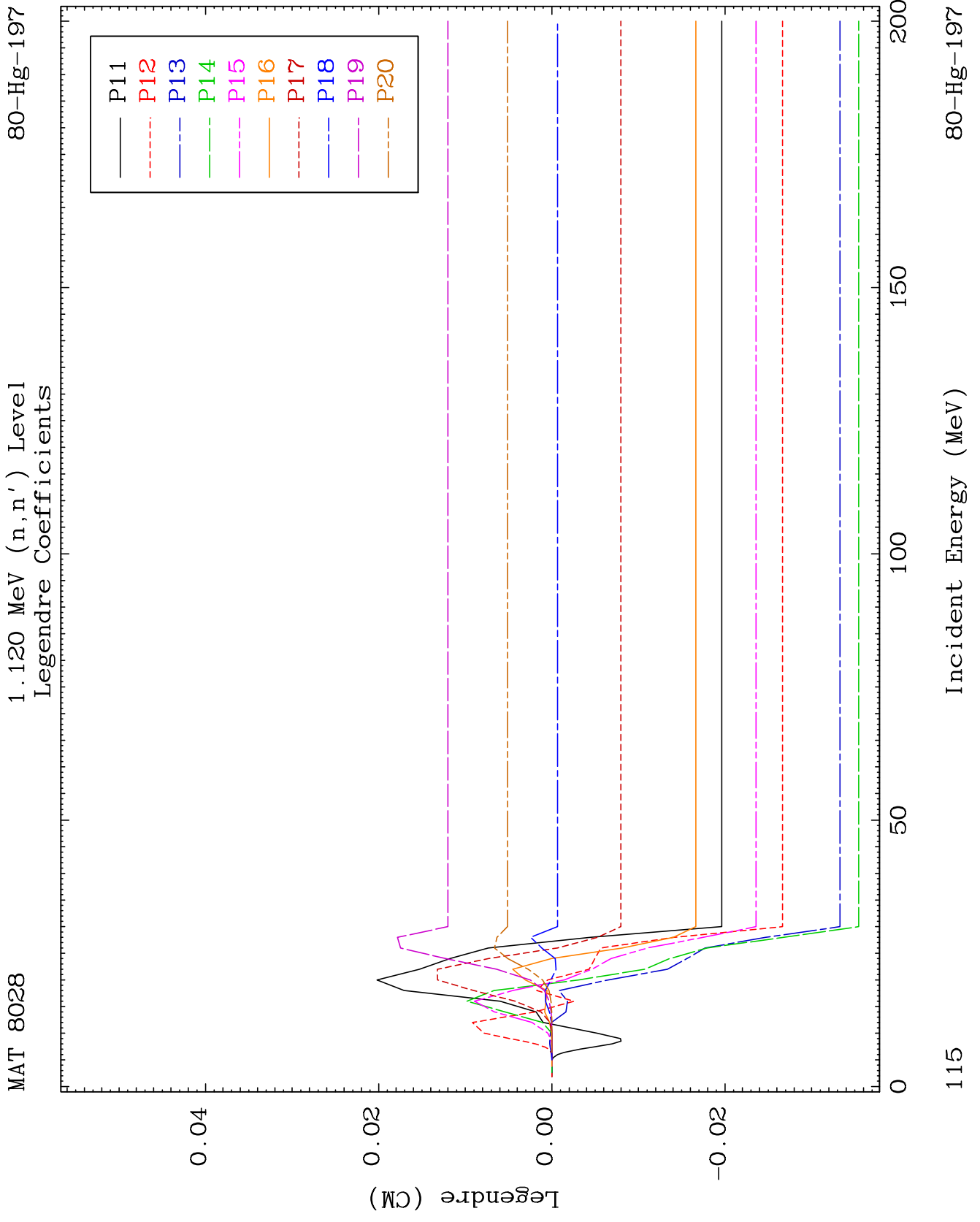
80-Hg-197

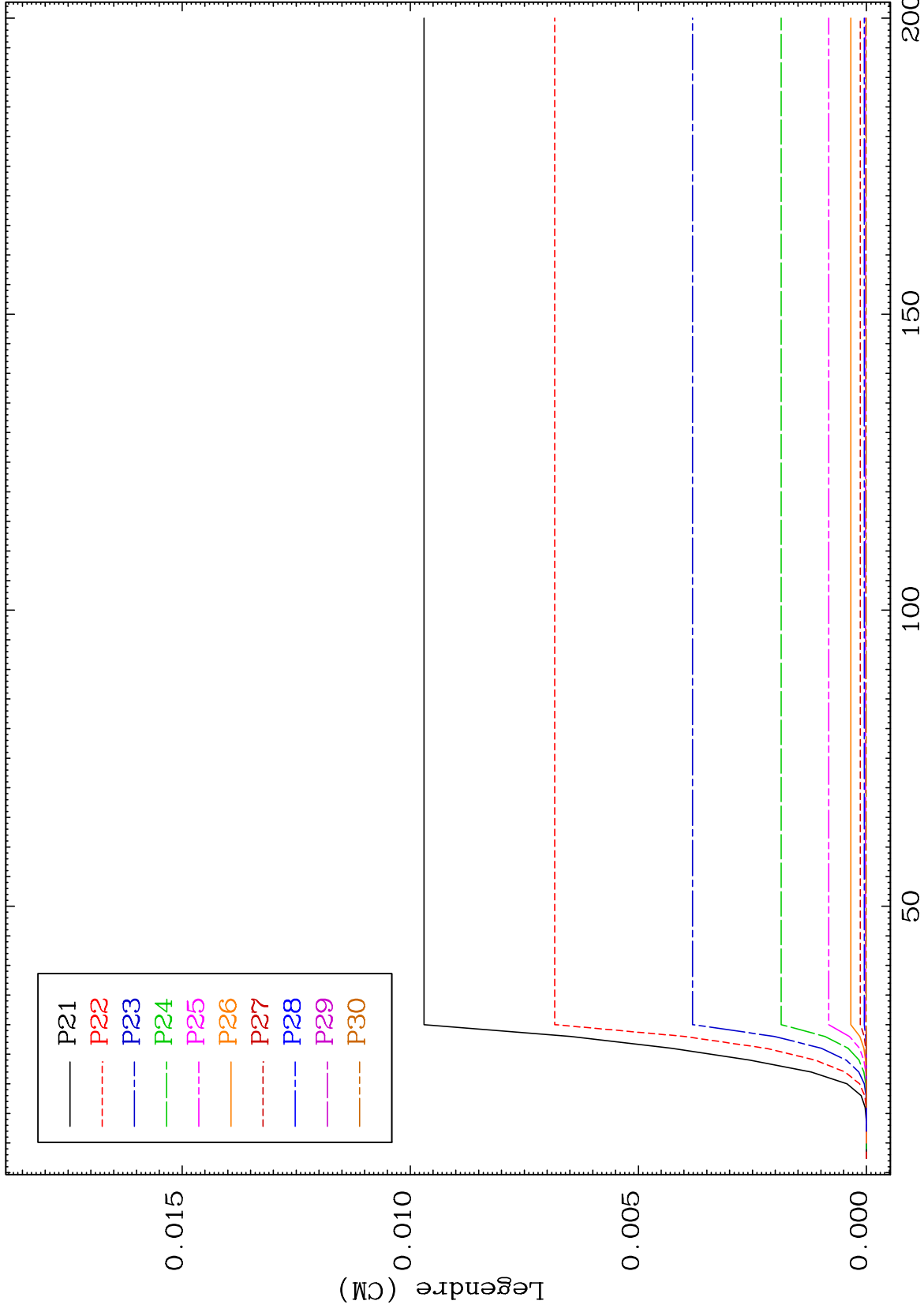


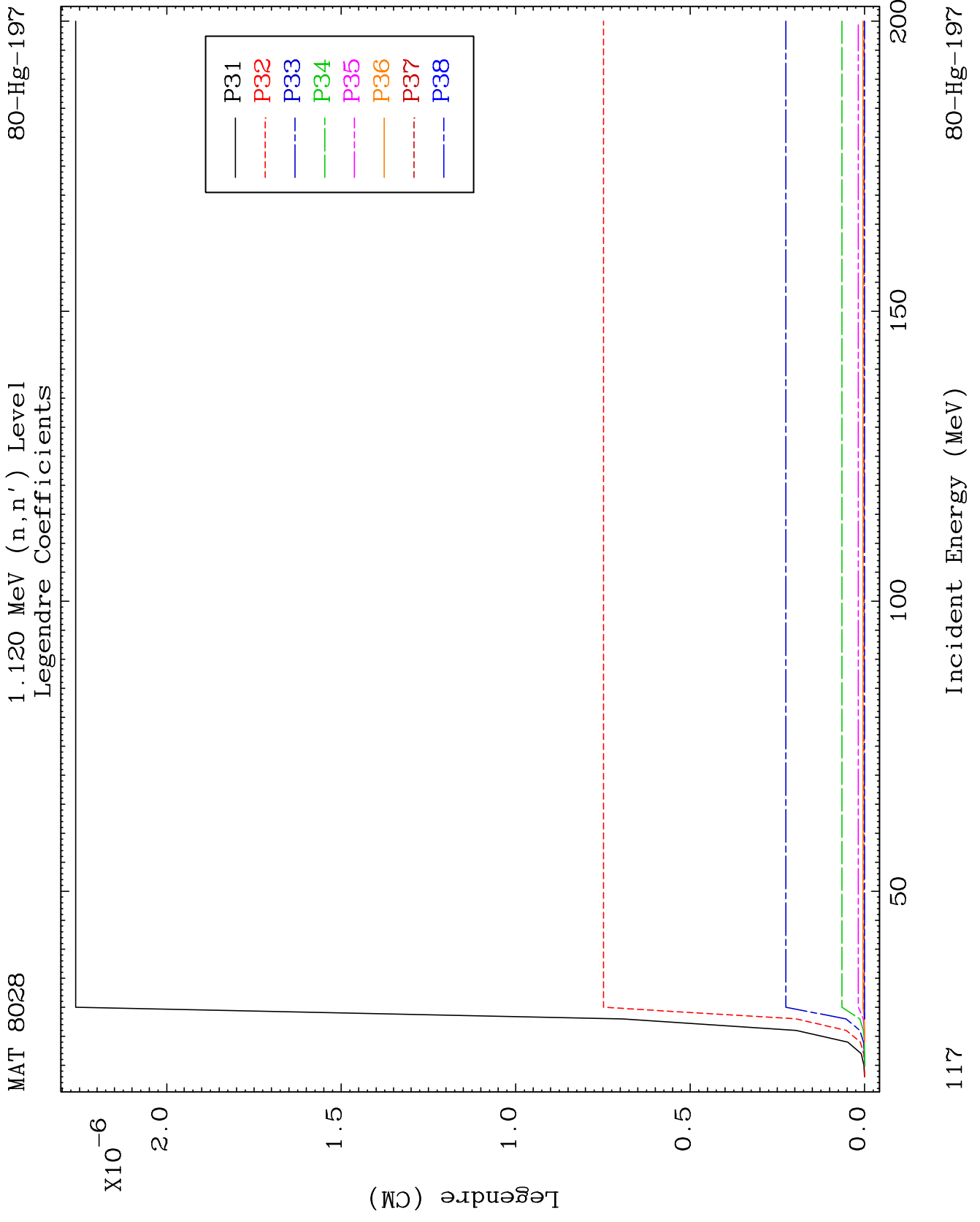
80-Hg-197

Incident Energy (MeV)

114



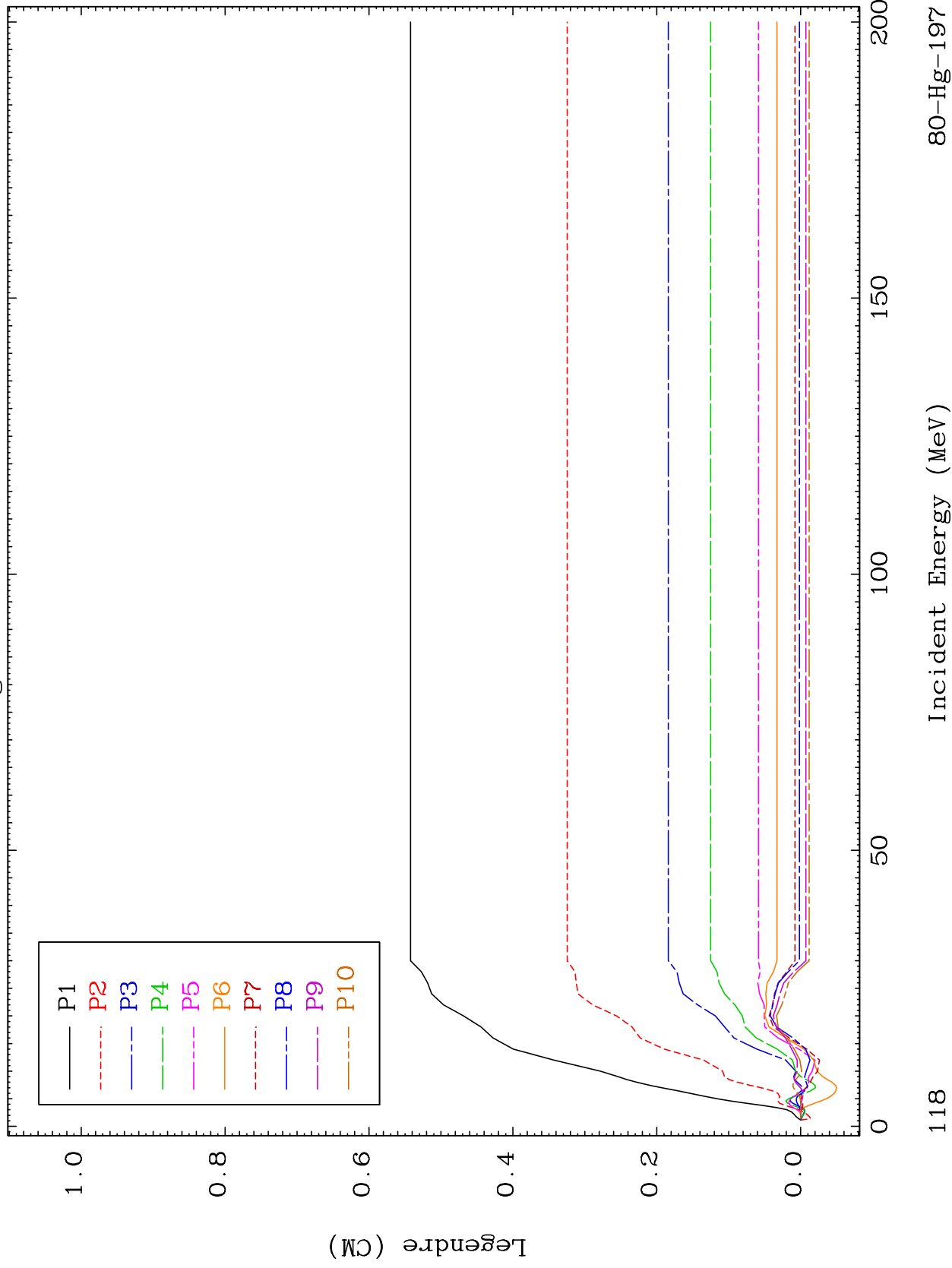




MAT 8028

1.129 MeV (n,n') Level
Legendre Coefficients

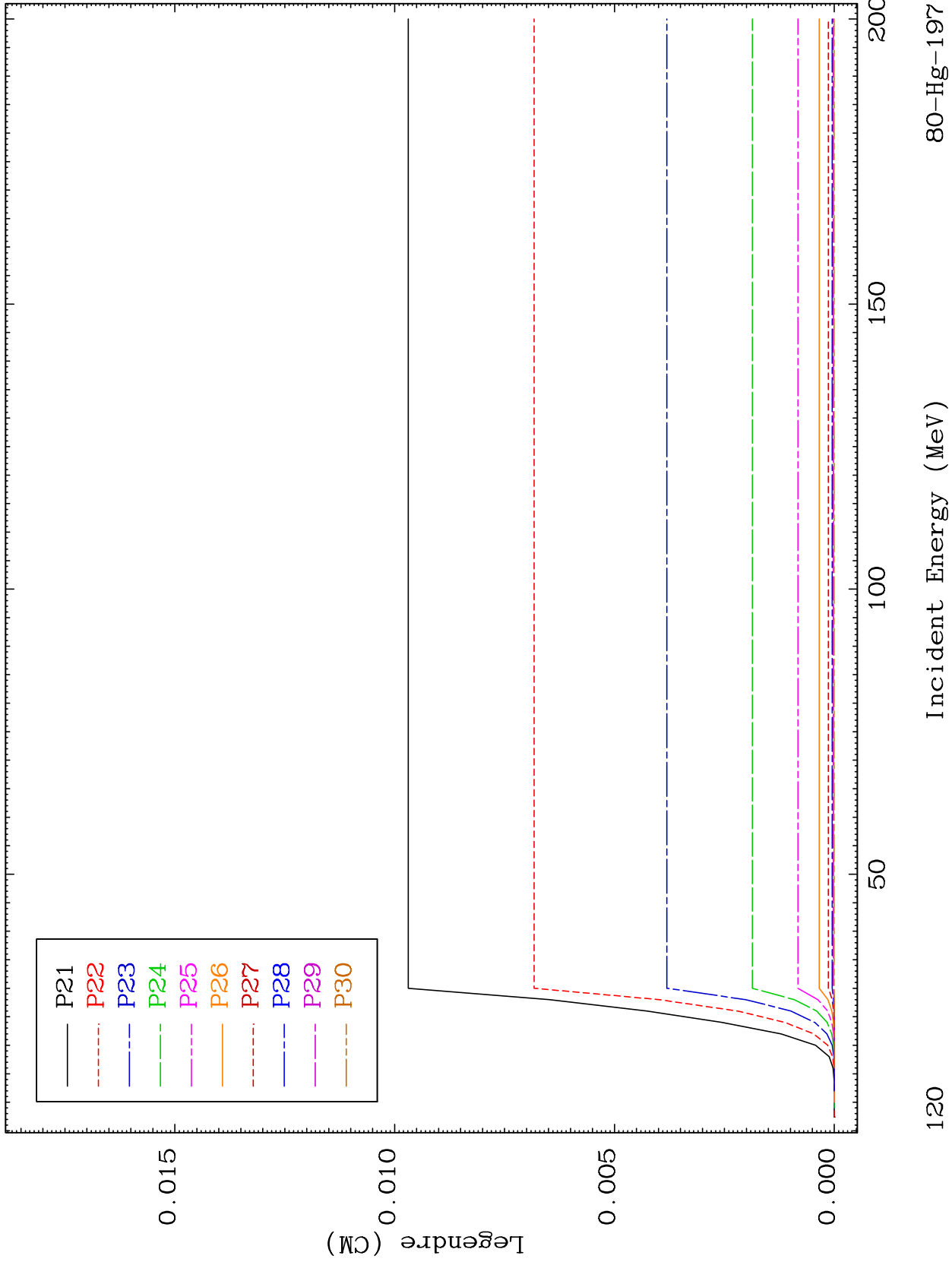
80-Hg-197



MAT 8028

1.129 MeV (n,n') Level
Legendre Coefficients

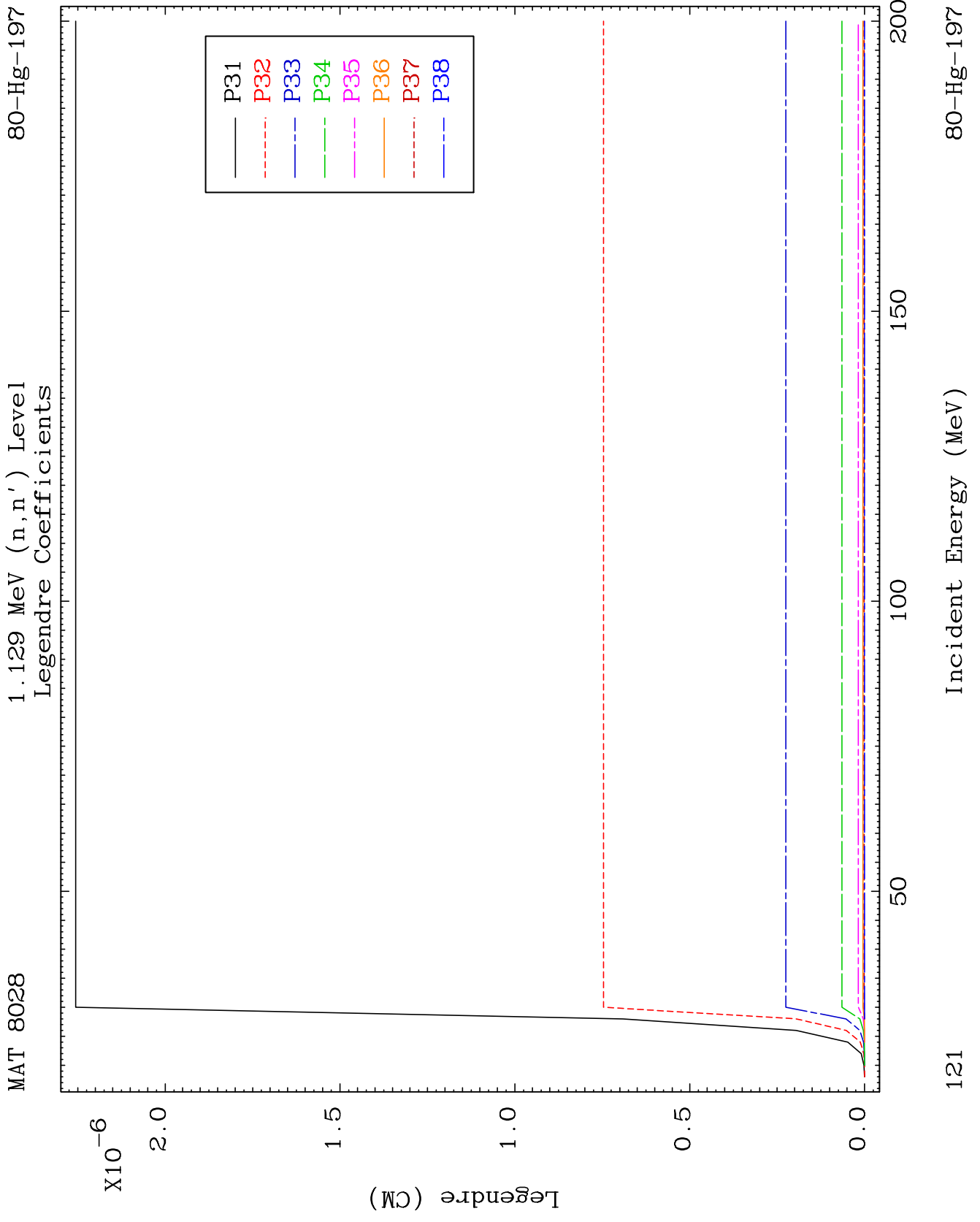
80-Hg-197

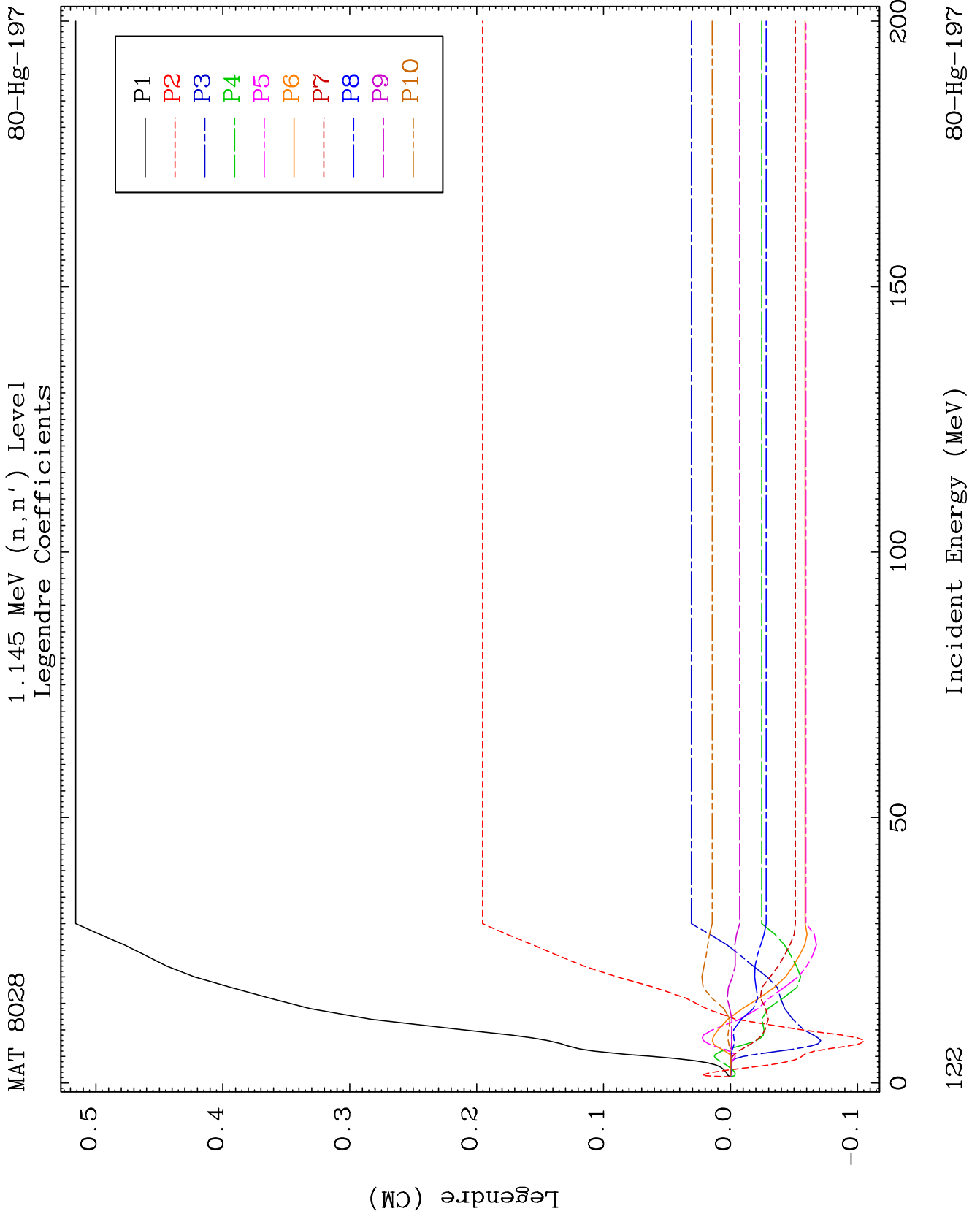


80-Hg-197

Incident Energy (MeV)

120

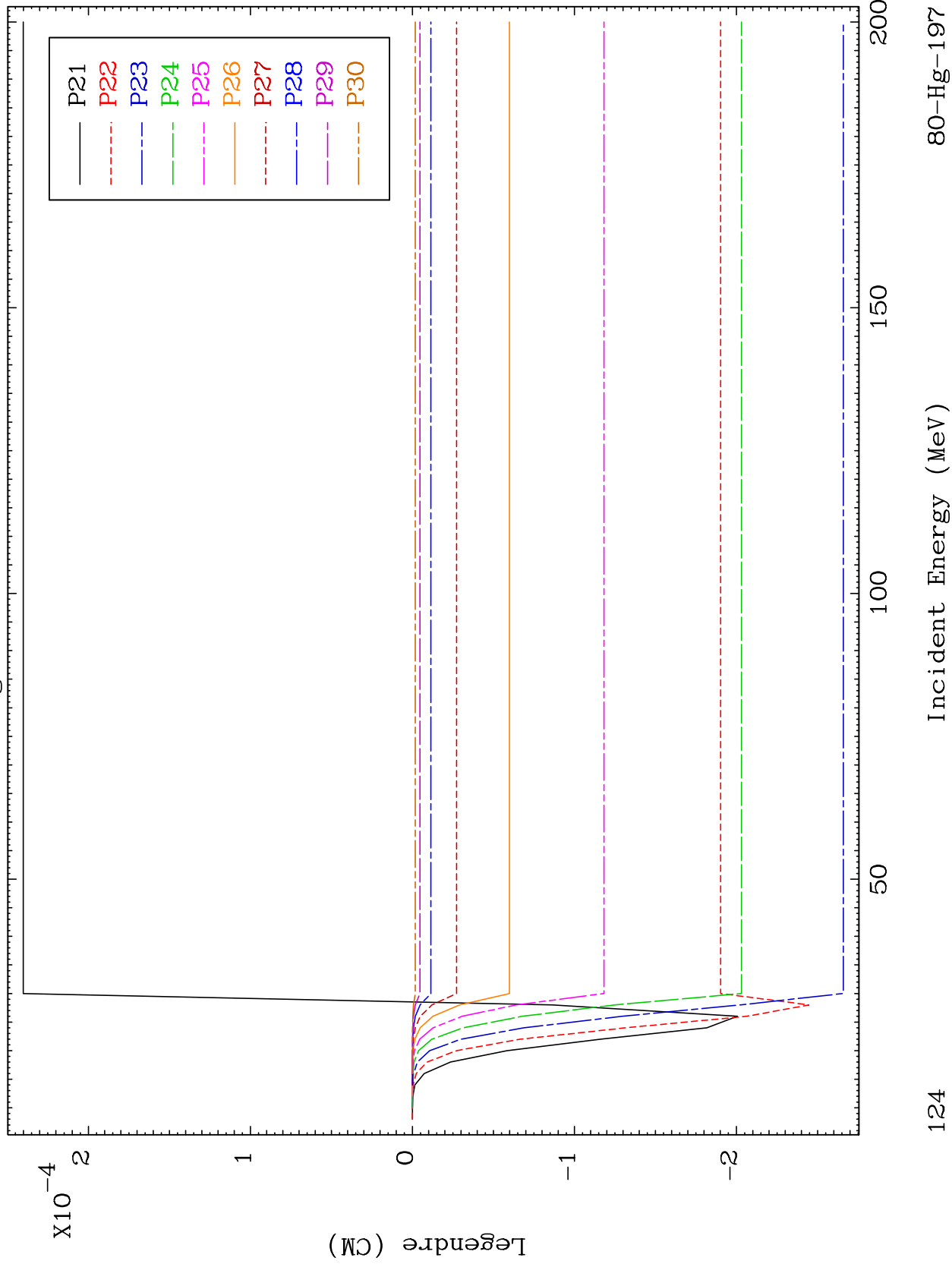


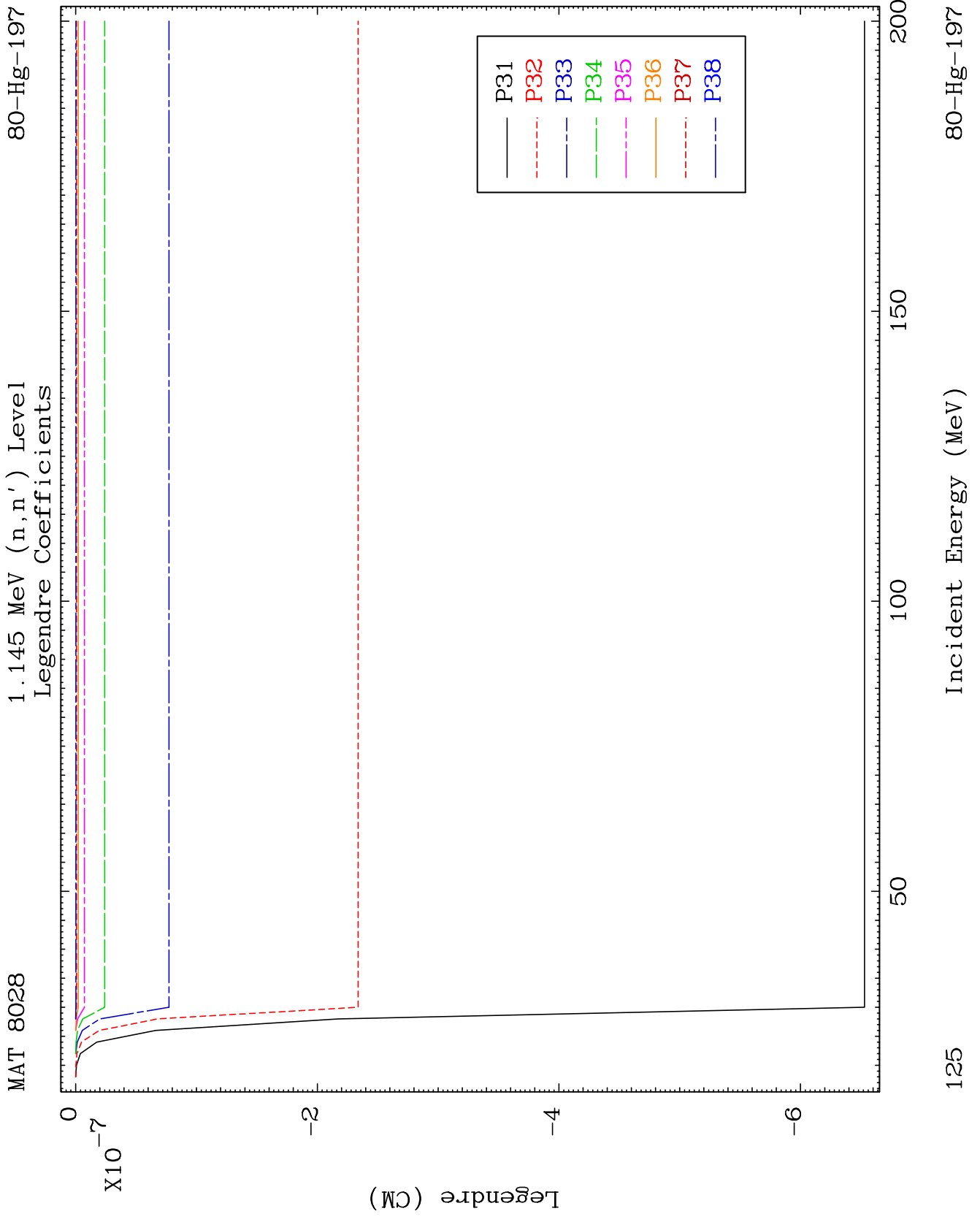


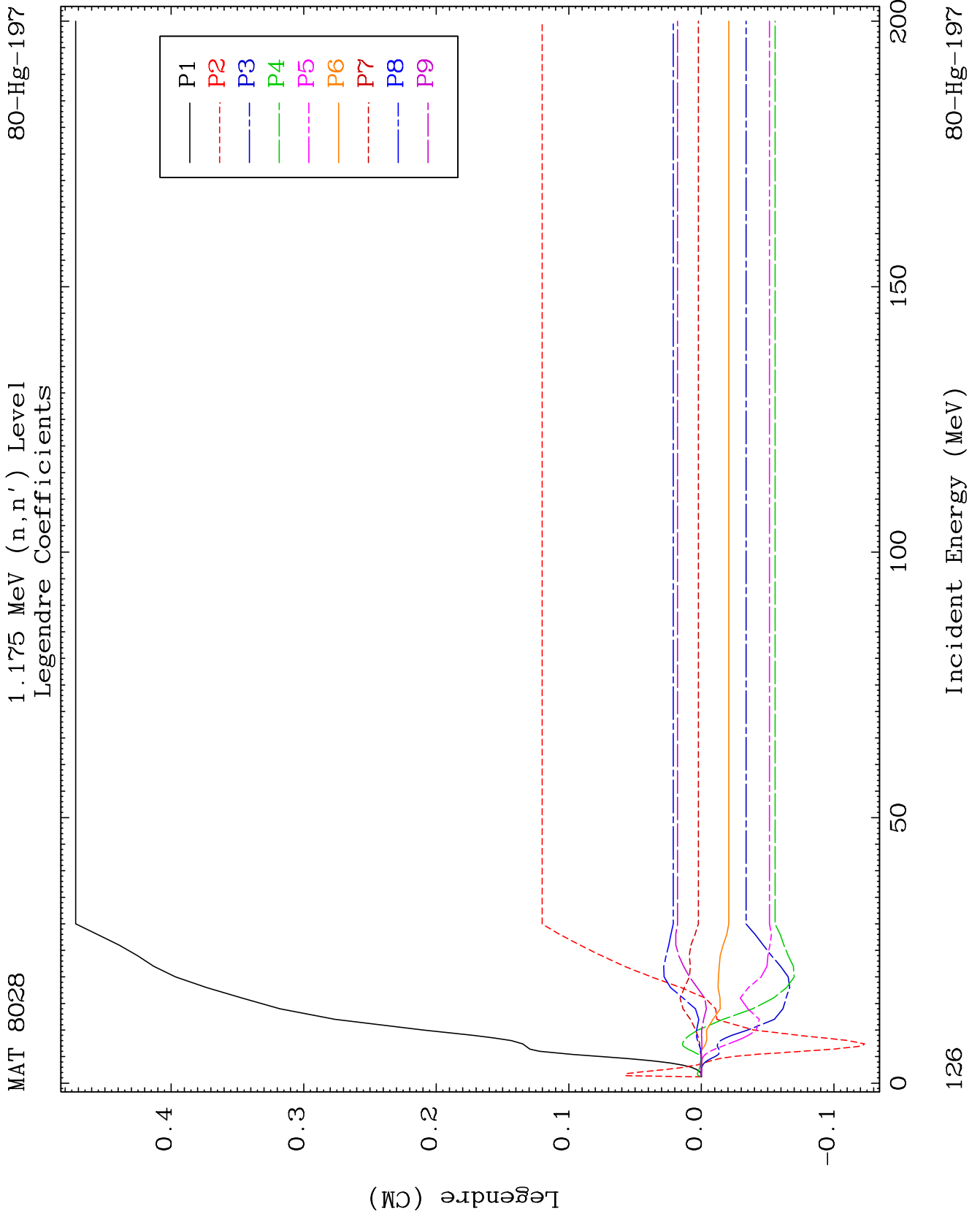
MAT 8028

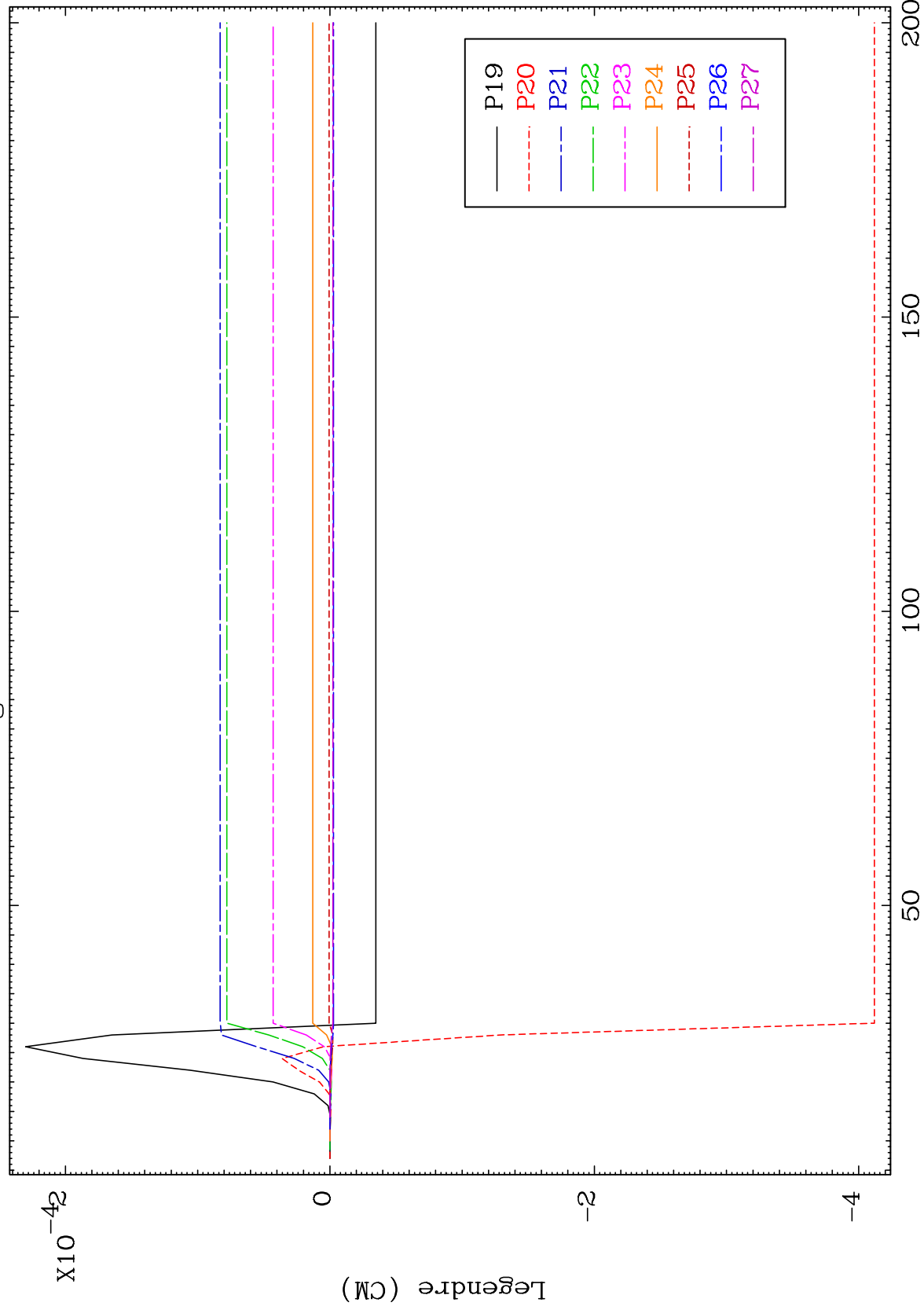
1.145 MeV (n,n') Level
Legendre Coefficients

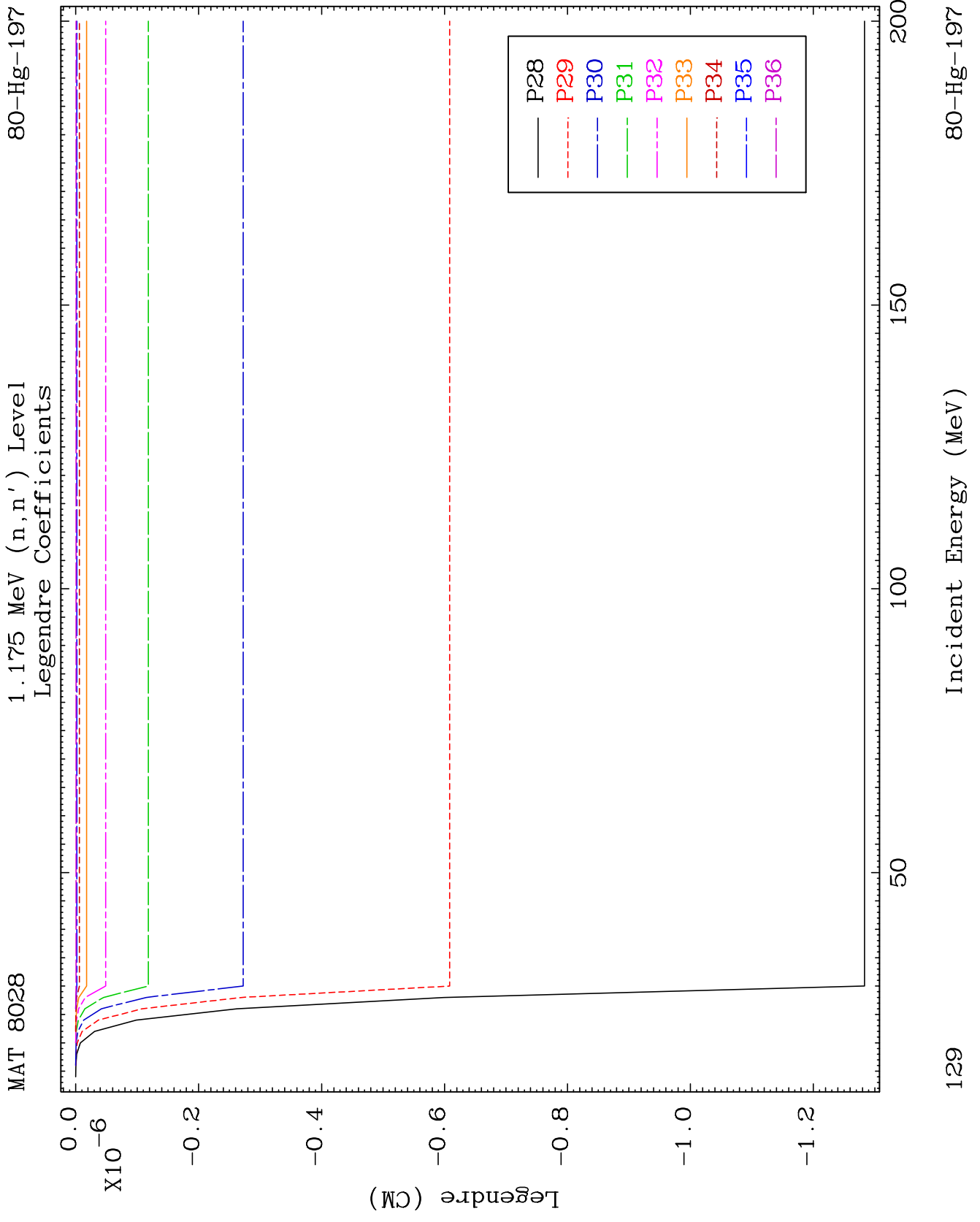
80-Hg-197







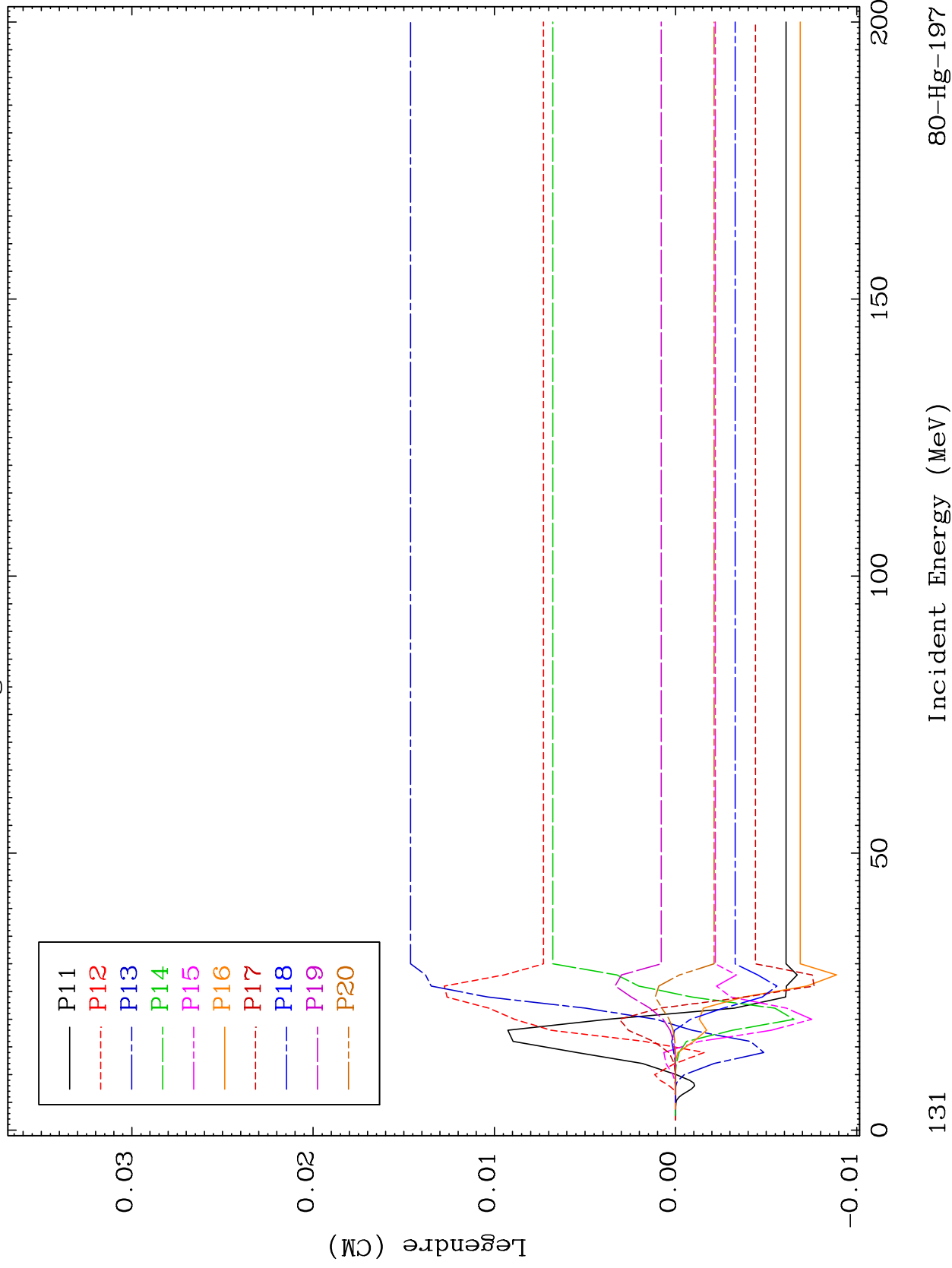




MAT 8028

1.180 MeV (n,n') Level
Legendre Coefficients

80-Hg-197



131

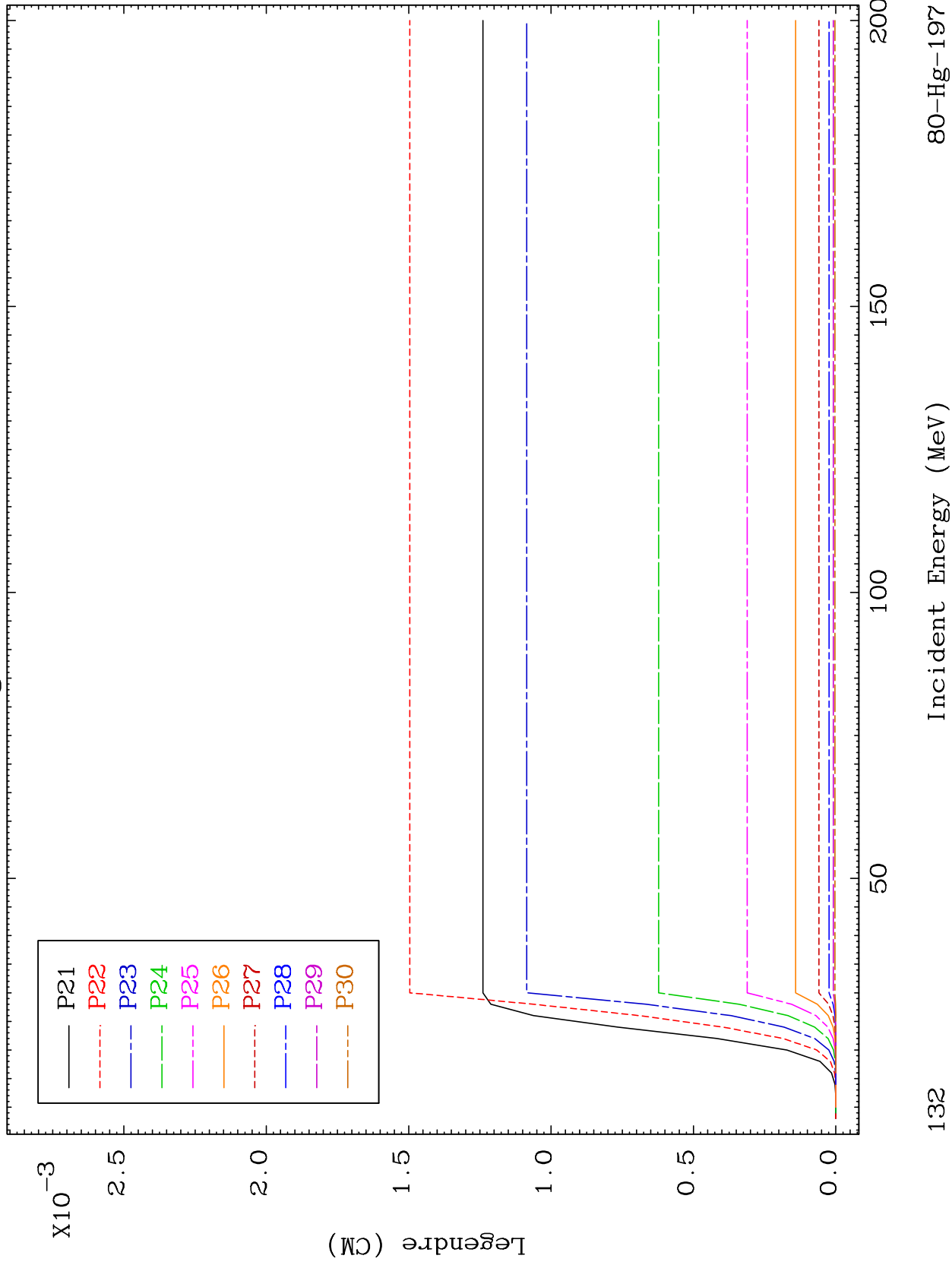
Incident Energy (MeV)

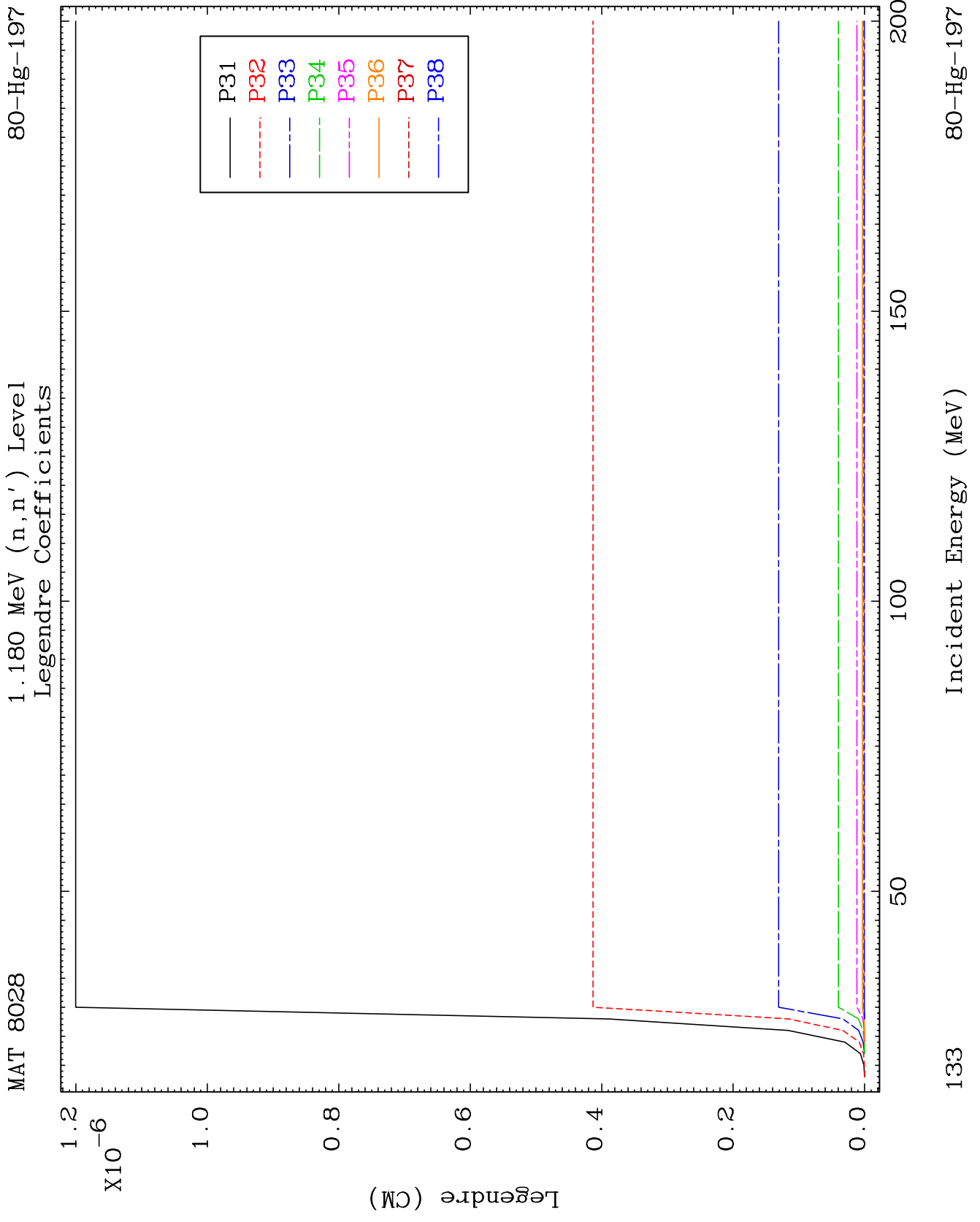
80-Hg-197

MAT 8028

1.180 MeV (n,n') Level
Legendre Coefficients

80-Hg-197

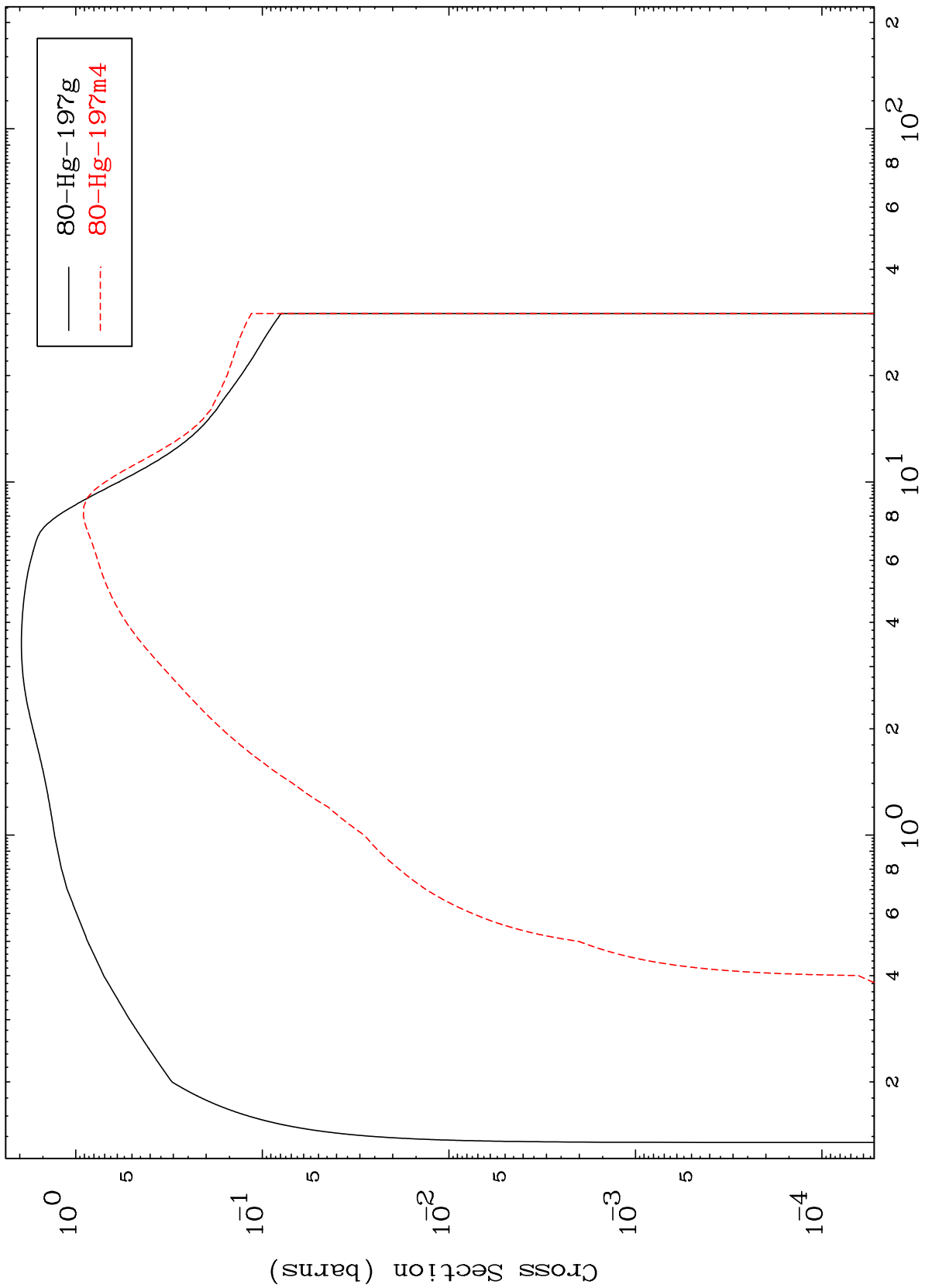




MAT 8028

80-Hg-197

Inelastic
Radionuclide Production Cross Section



80-Hg-197g
80-Hg-197m4

134

80-Hg-197

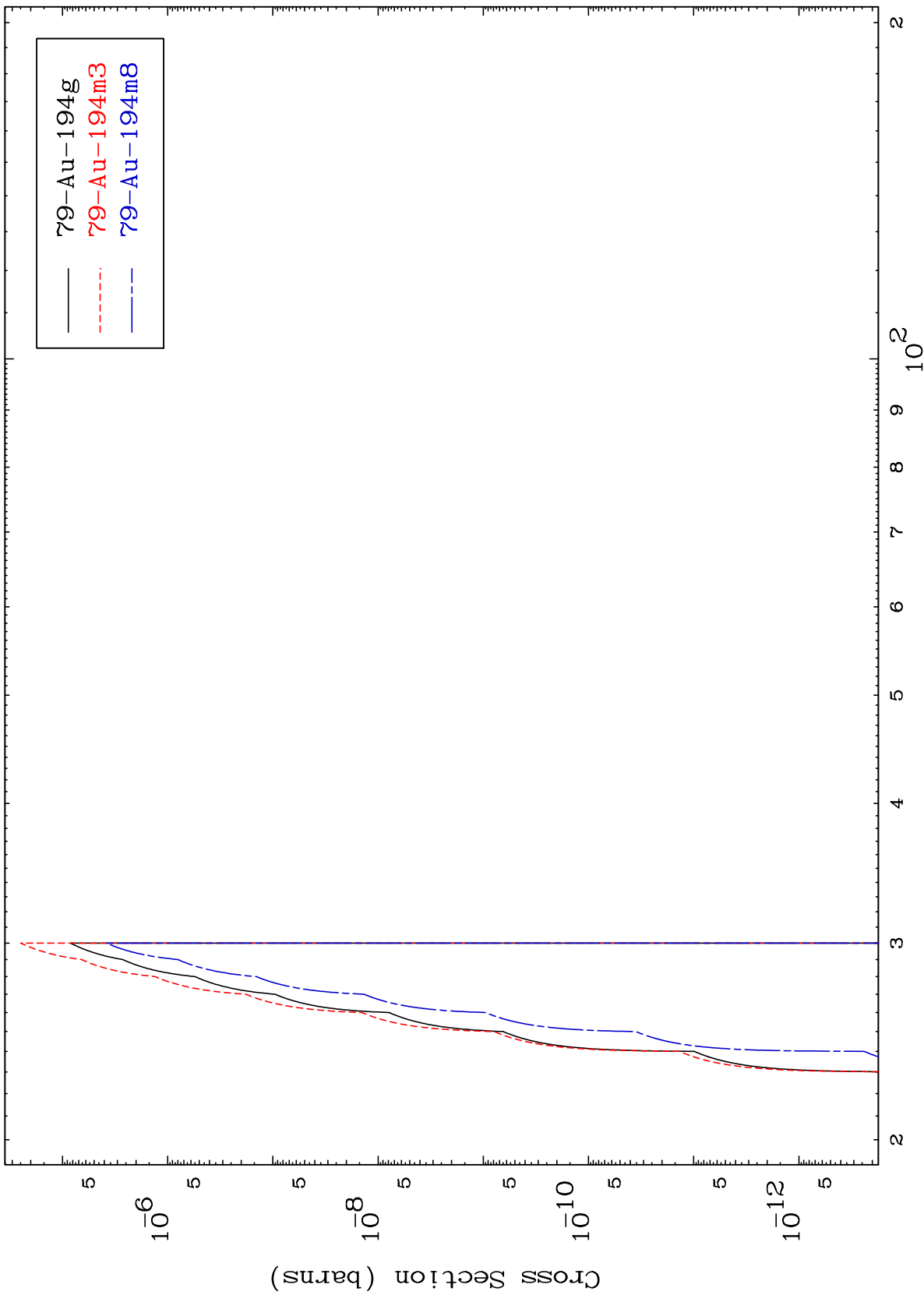
Incident Energy (MeV)

MAT 8028

(n,2n) d

80-Hg-197

Radionuclide Production Cross Section



135

Incident Energy (MeV)

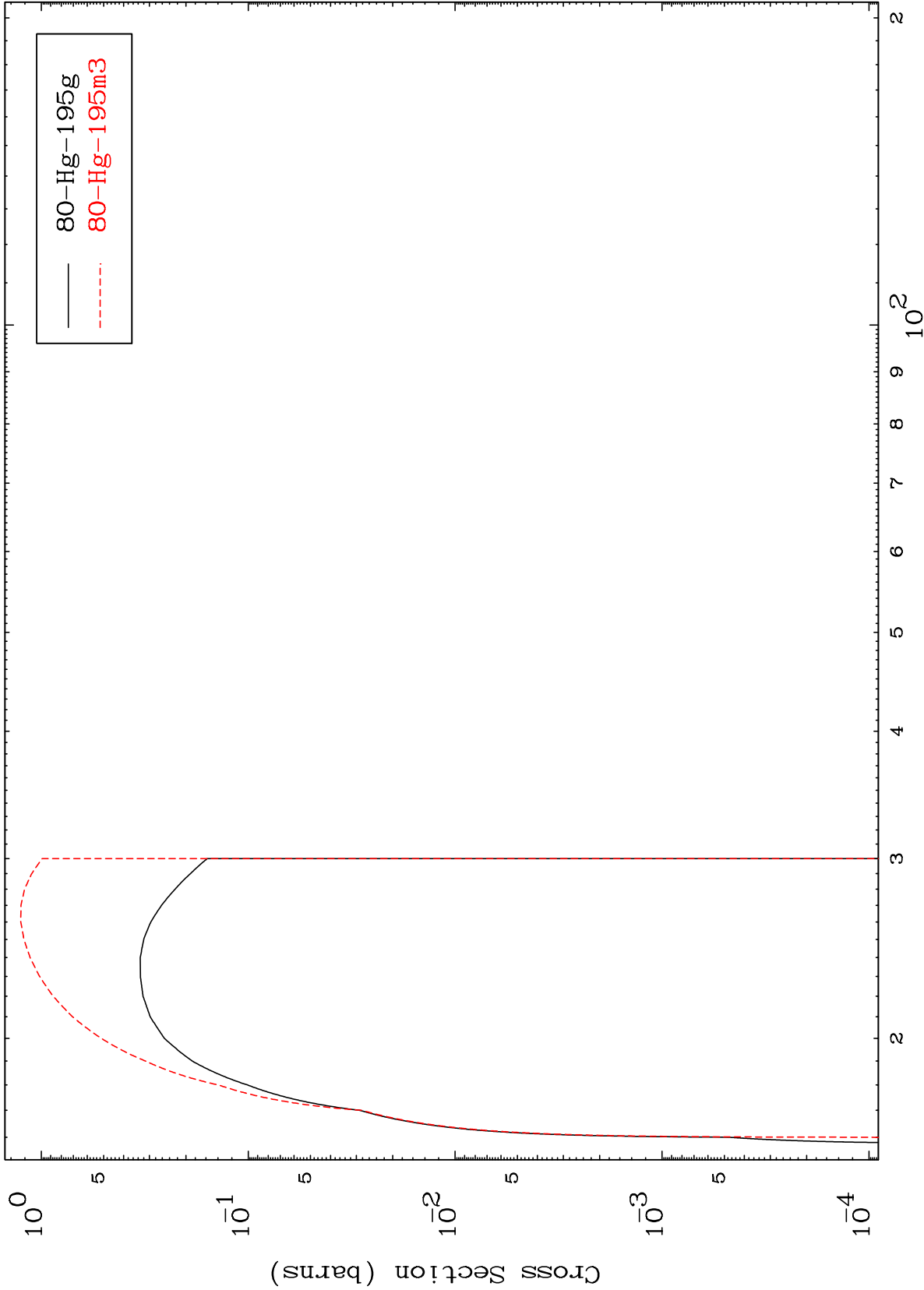
80-Hg-197

MAT 8028

(n,3n)

80-Hg-197

Radionuclide Production Cross Section



80-Hg-195g
80-Hg-195m3

136

Incident Energy (MeV)

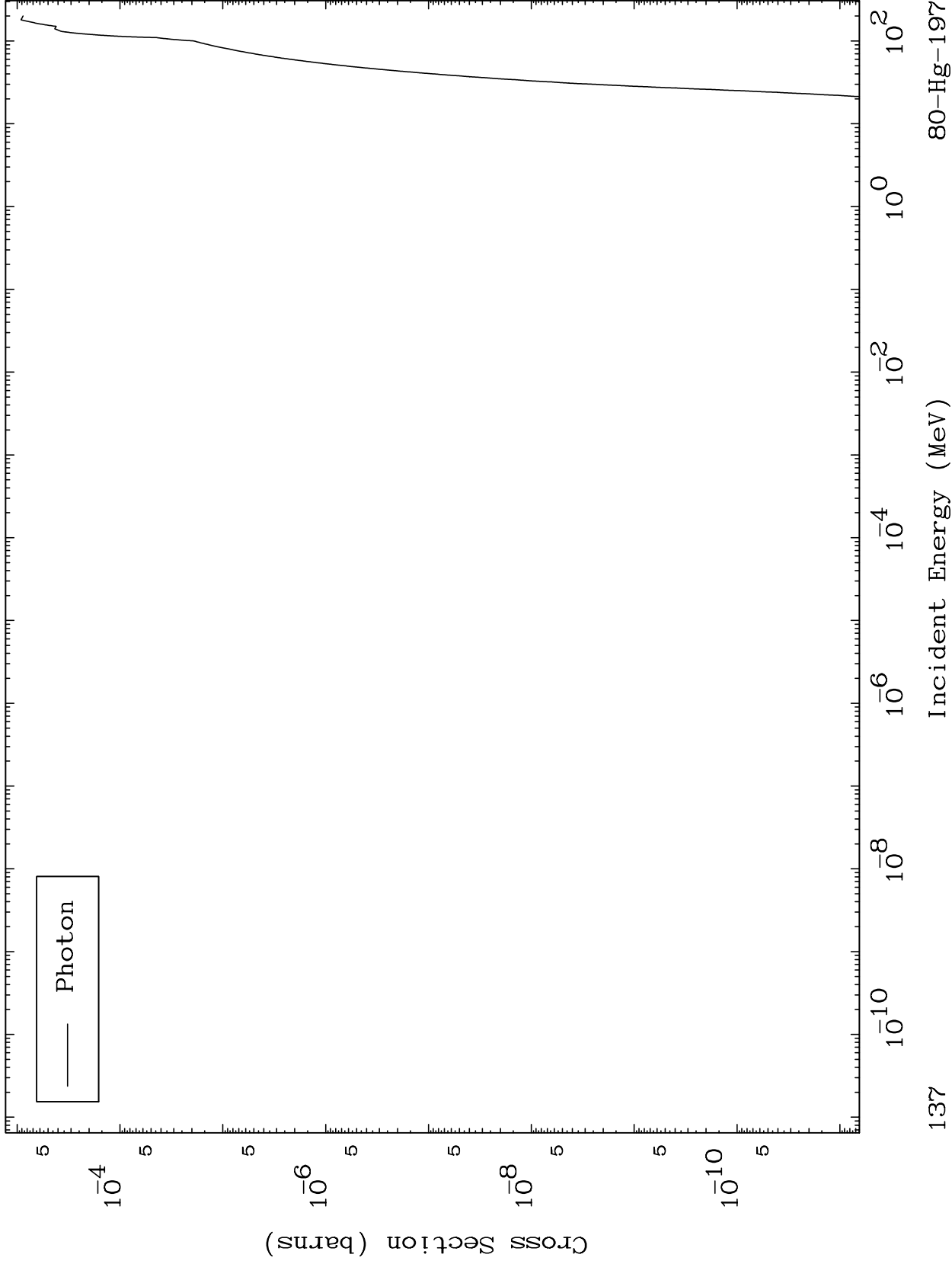
80-Hg-197

MAT 8028

Fission

80-Hg-197

Radionuclide Production Cross Section



137

Incident Energy (MeV)

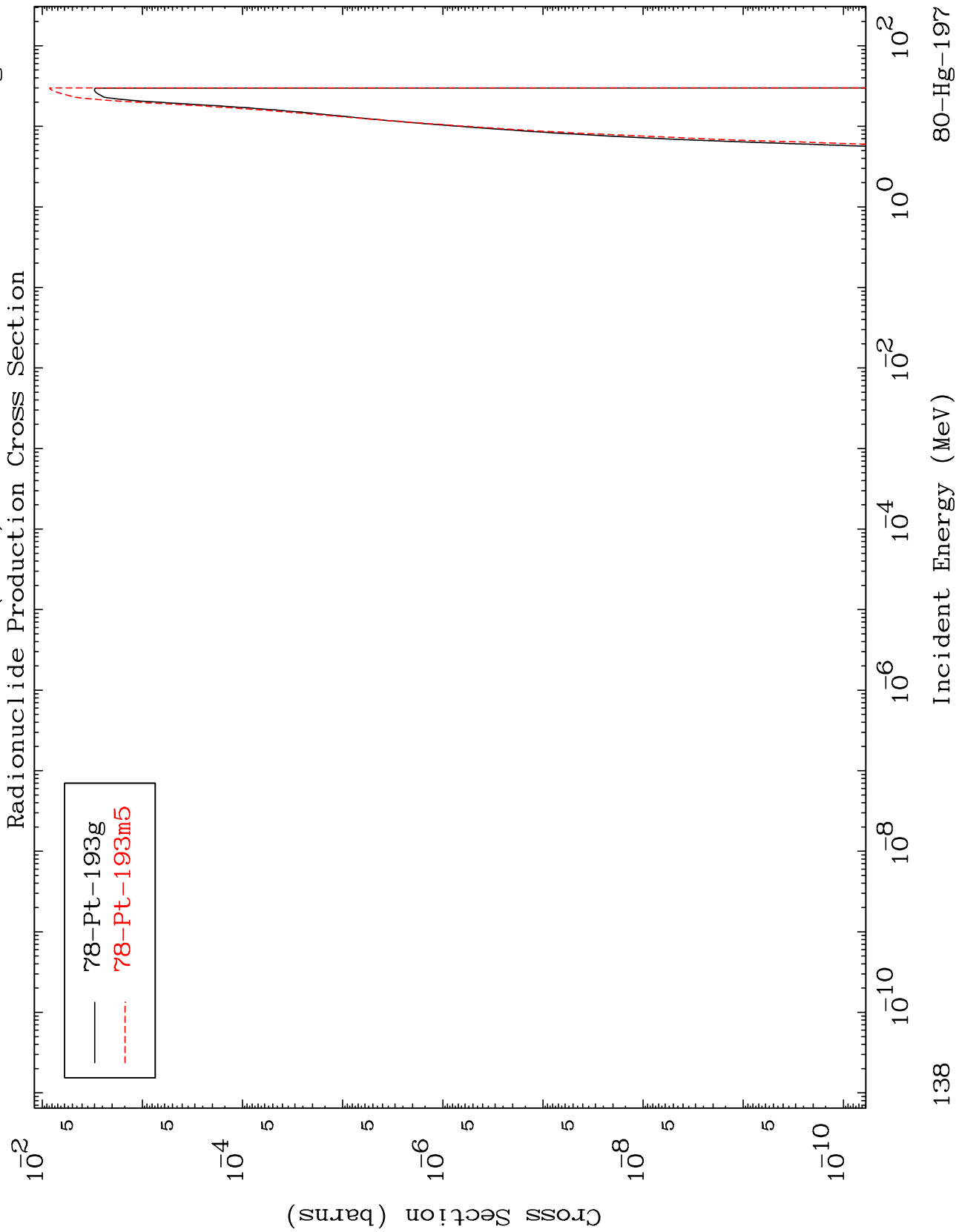
80-Hg-197

MAT 8028

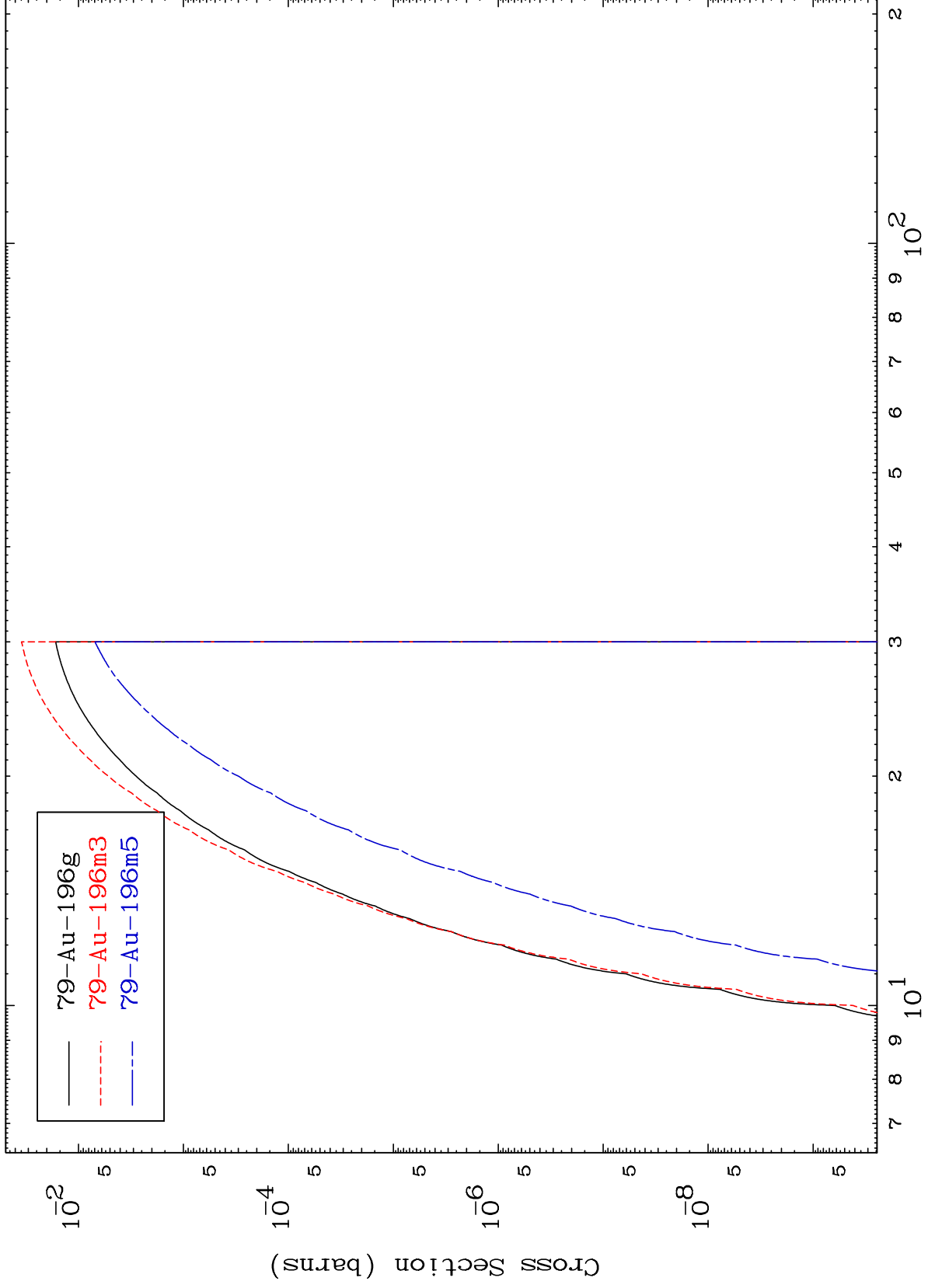
$(n, n') \alpha$

80-Hg-197

Radionuclide Production Cross Section



(n,n') p
Radionuclide Production Cross Section

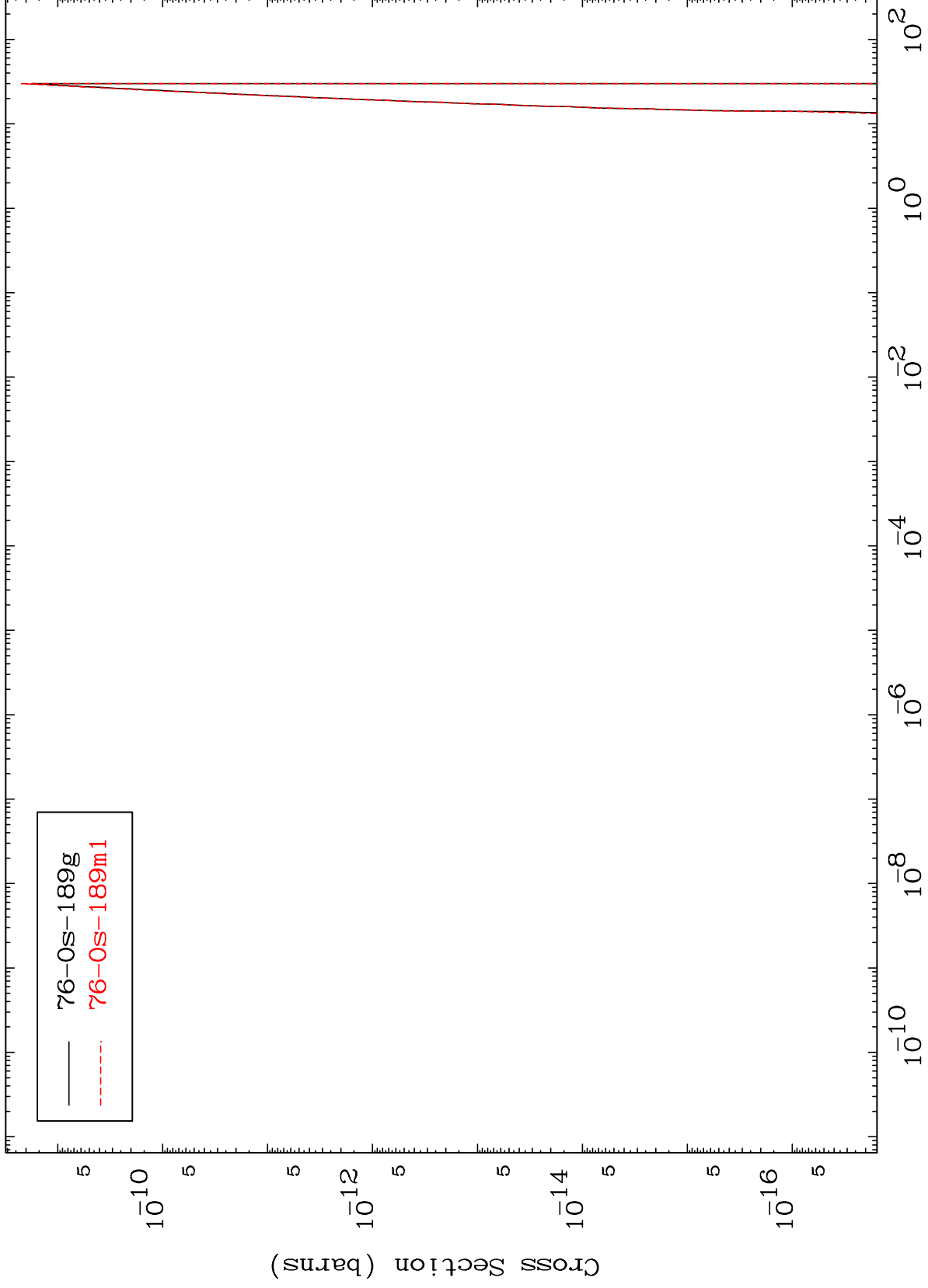


MAT 8028

(n,n') 2α

80-Hg-197

Radionuclide Production Cross Section



140

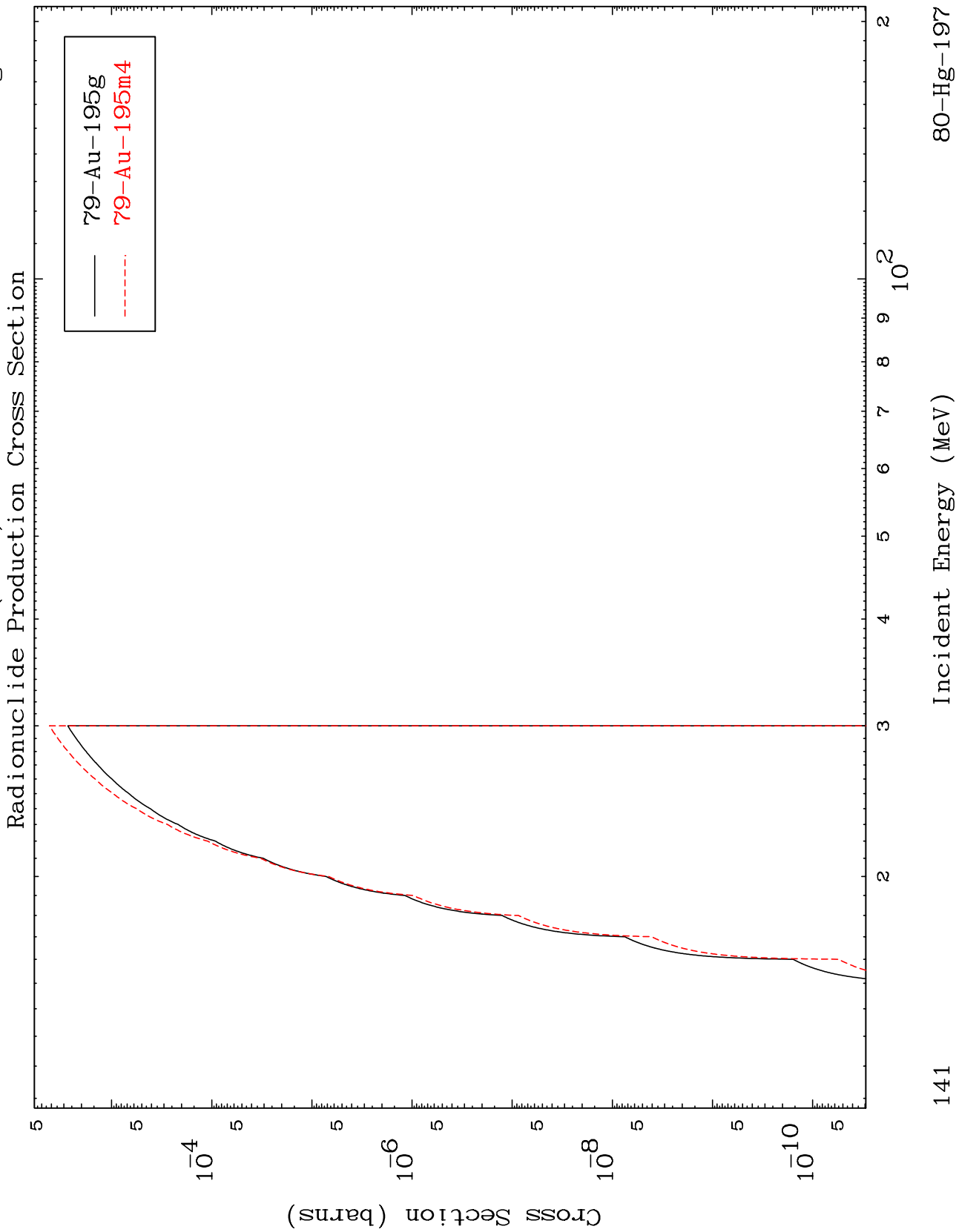
Incident Energy (MeV)

80-Hg-197

MAT 8028

(n,n') d

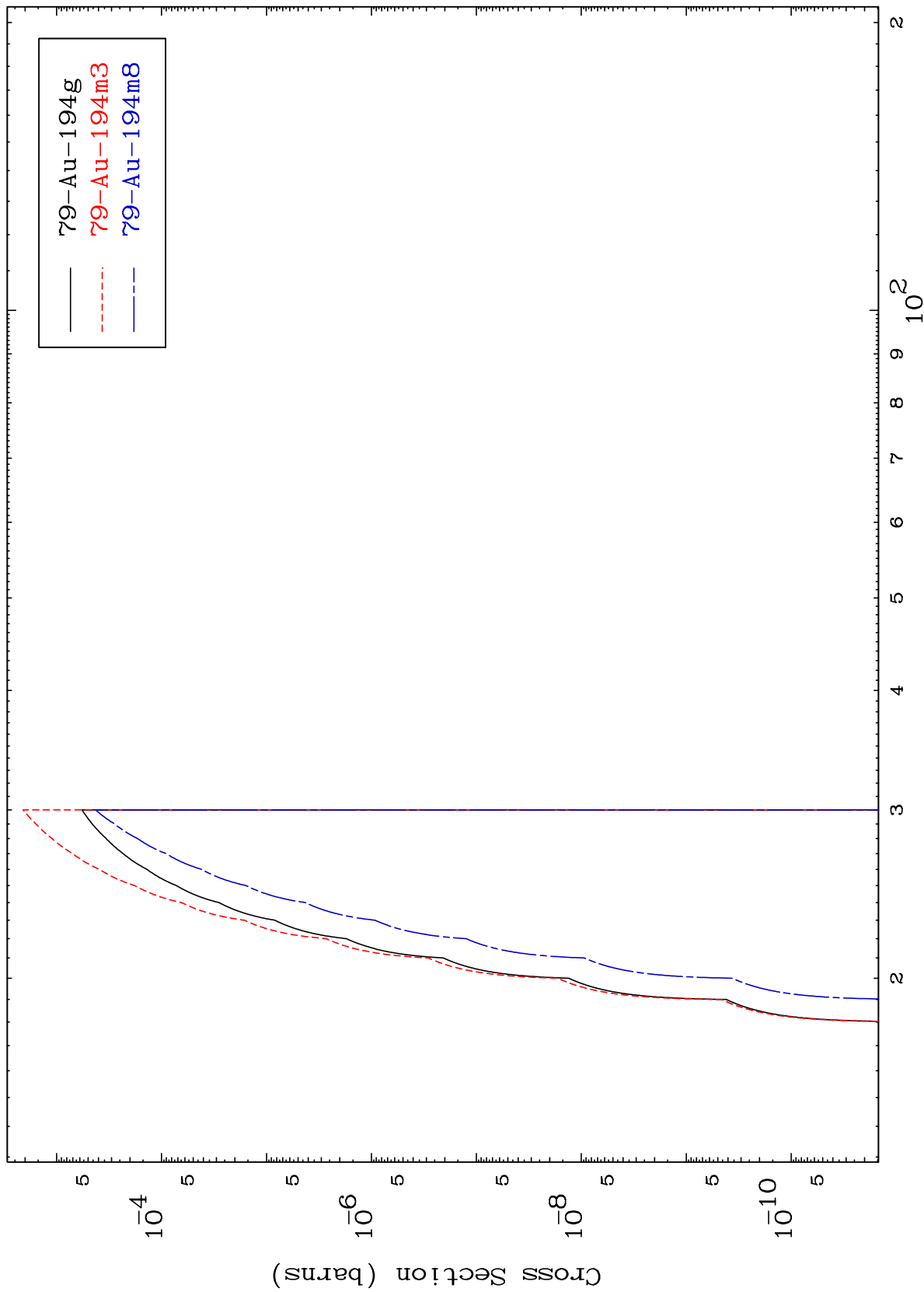
80-Hg-197



141

80-Hg-197

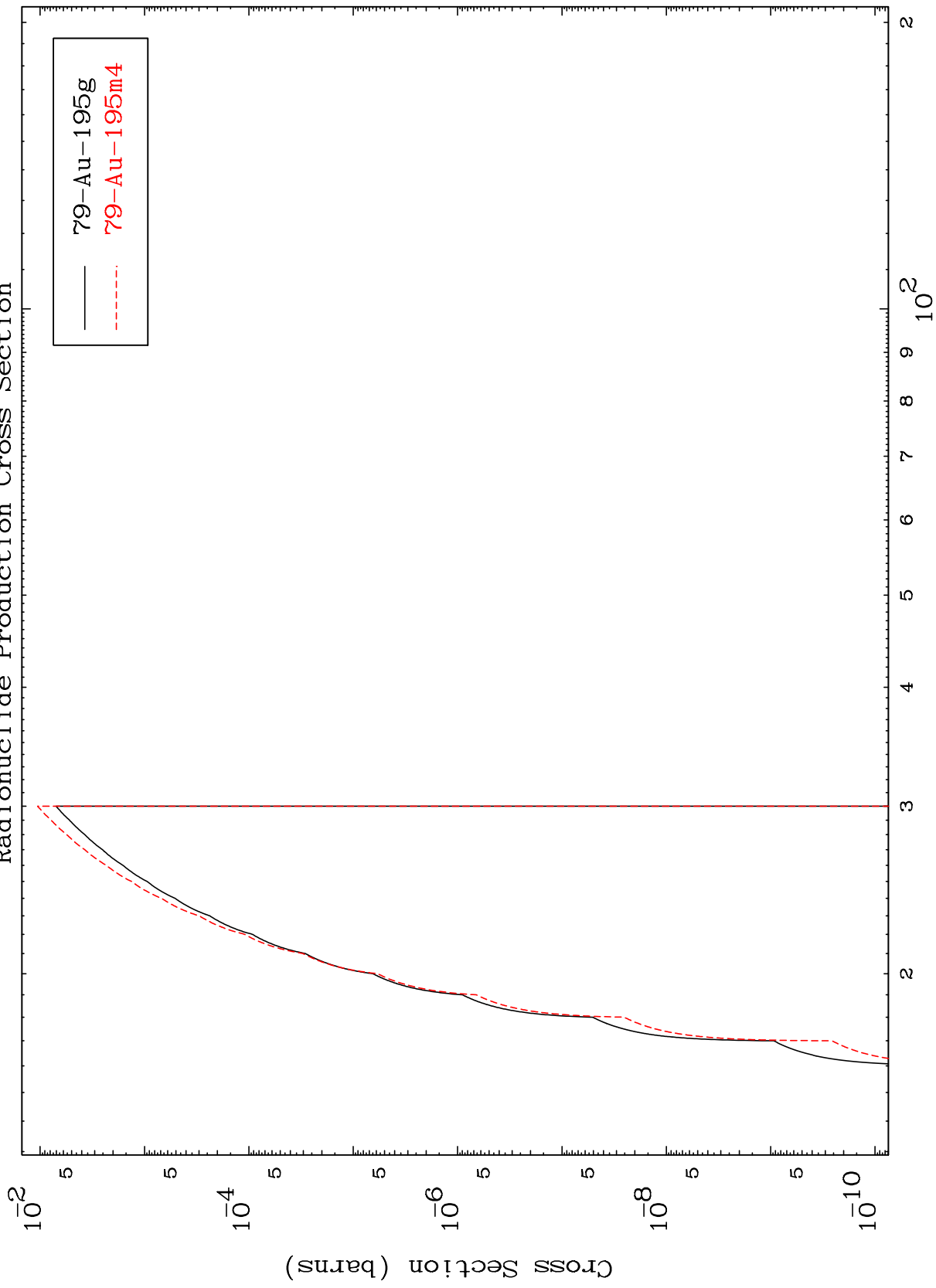
Radionuclide Production Cross Section



MAT 8028

80-Hg-197

(n,2n) p
Radionuclide Production Cross Section

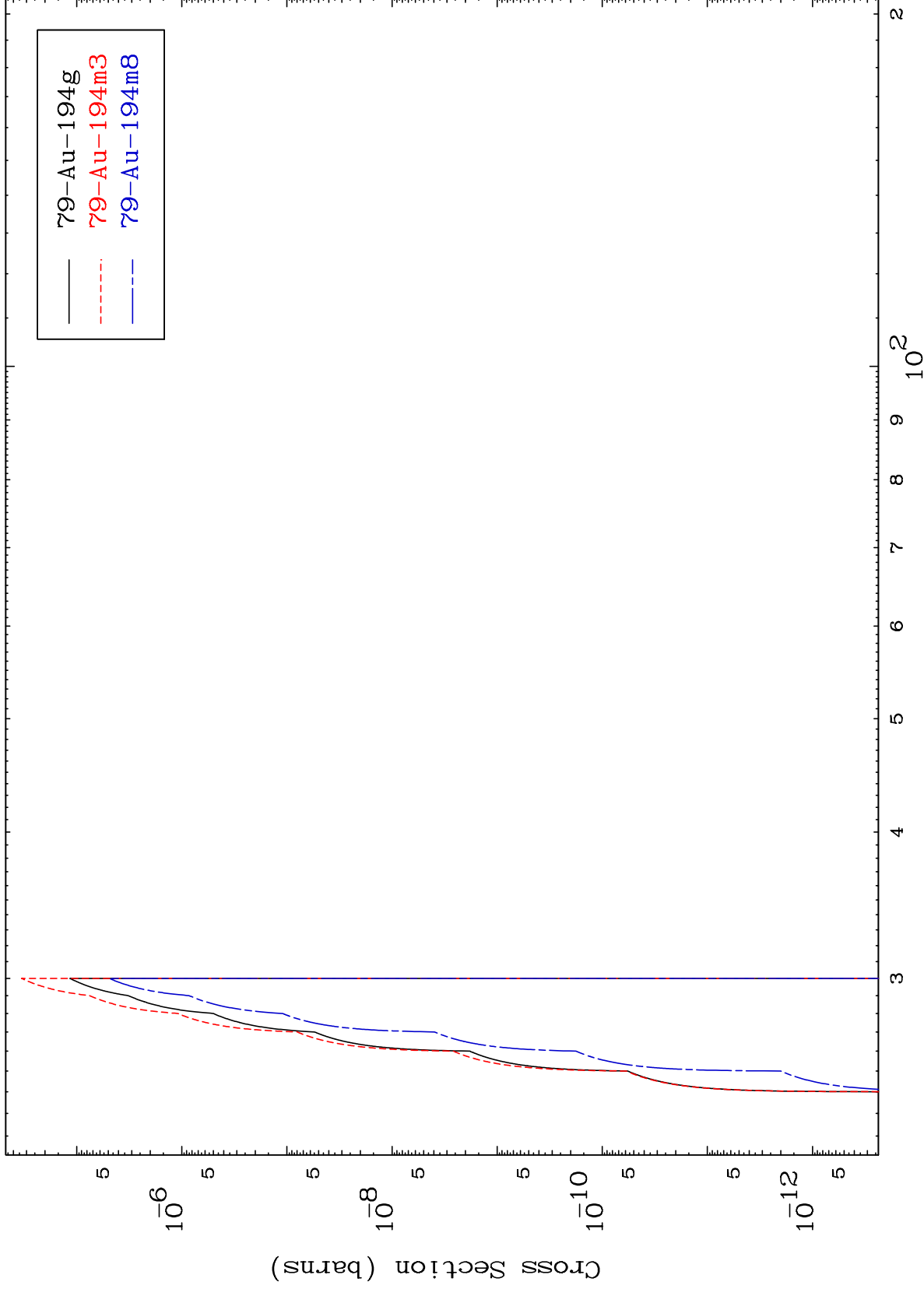


143

Incident Energy (MeV)

80-Hg-197

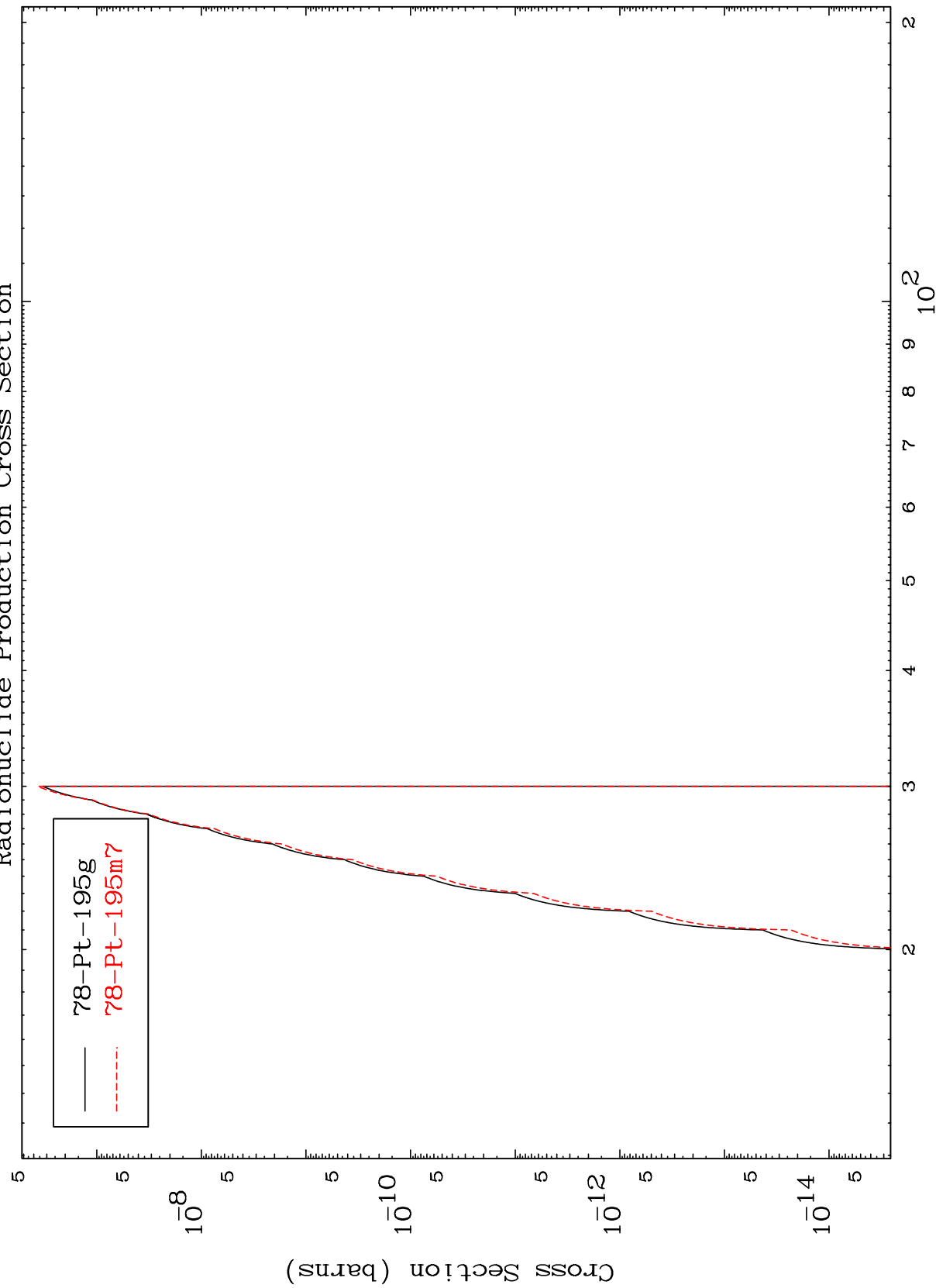
Radionuclide Production Cross Section



MAT 8028

80-Hg-197

(n,2n) p
Radionuclide Production Cross Section



145

Incident Energy (MeV)

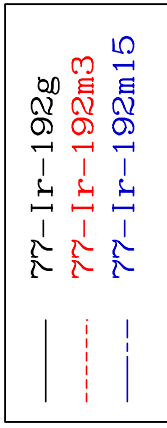
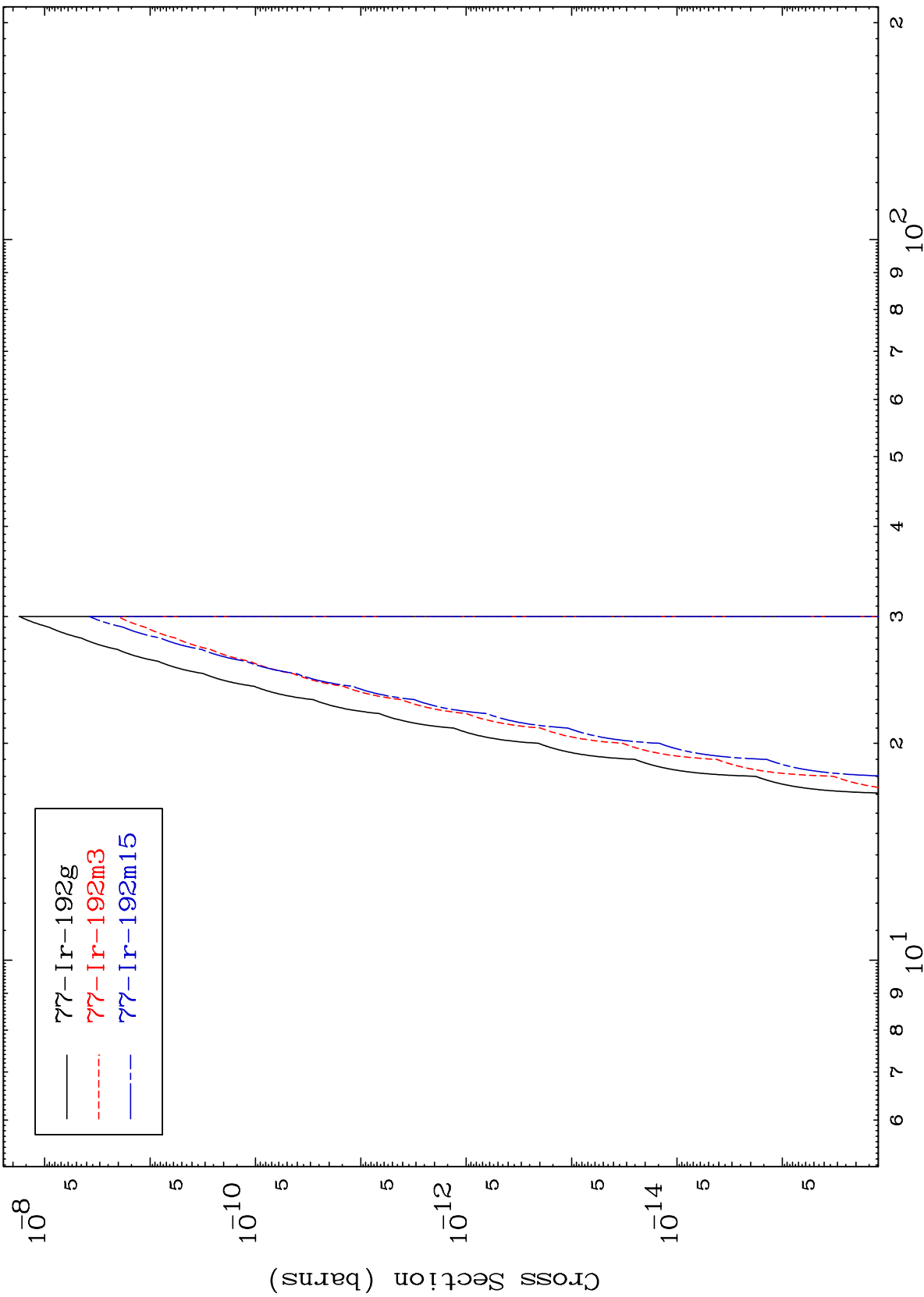
80-Hg-197

MAT 8028

(n,n') p α

80-Hg-197

Radionuclide Production Cross Section



146

Incident Energy (MeV)

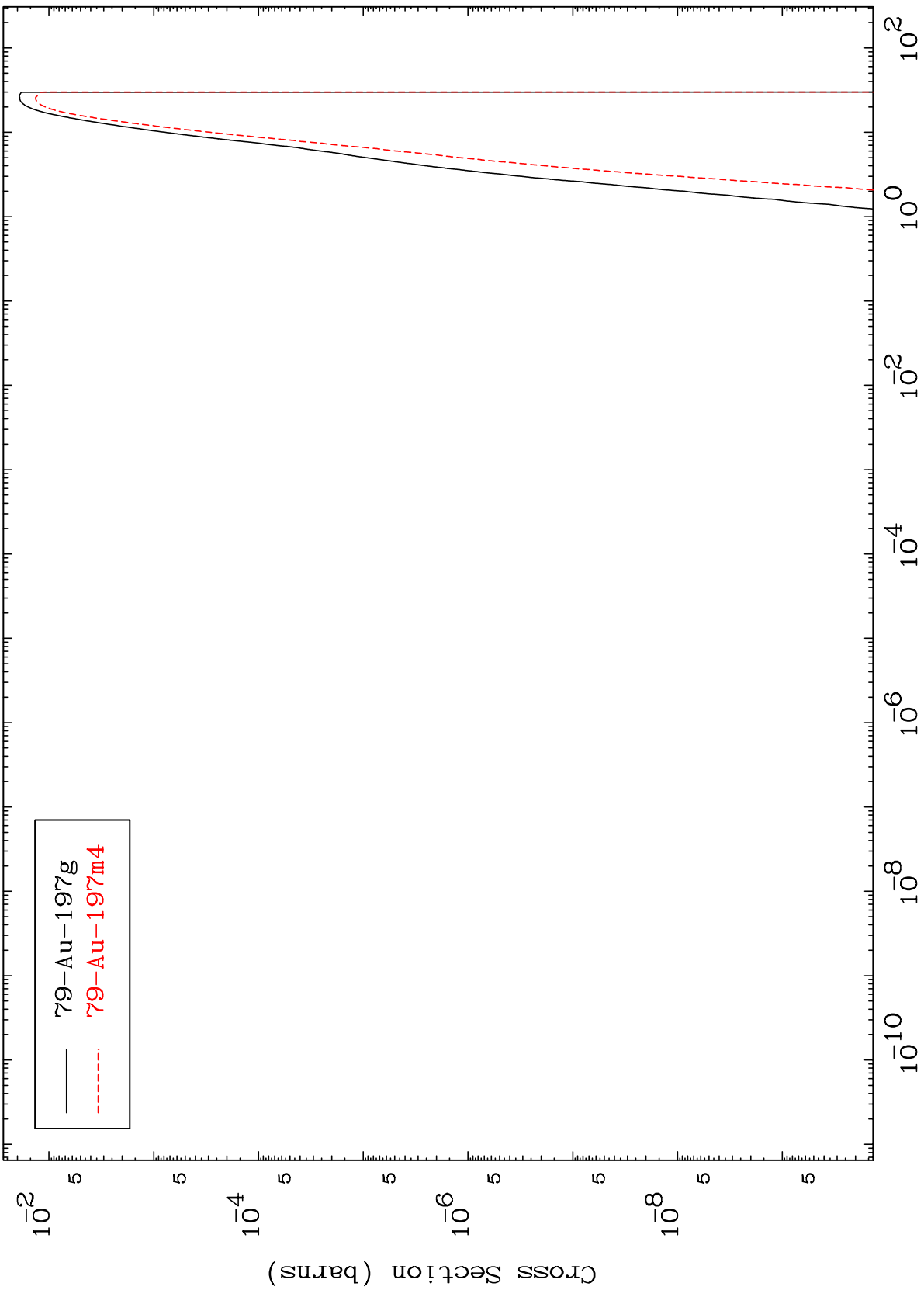
80-Hg-197

MAT 8028

(n,p)

80-Hg-197

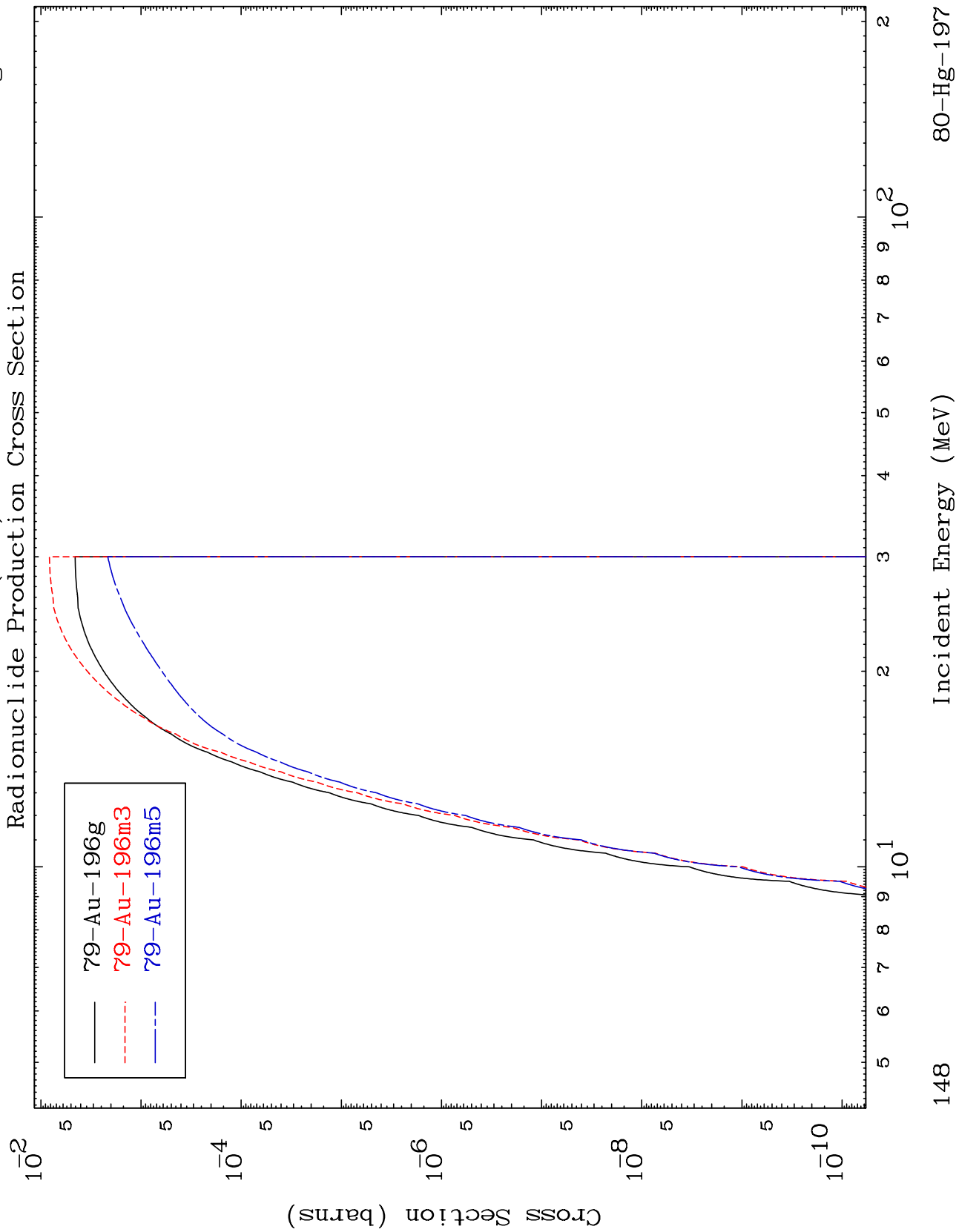
Radionuclide Production Cross Section



— $^{79}\text{Au-197g}$
- - - $^{79}\text{Au-197m4}$

MAT 8028

80-Hg-197



80-Hg-197

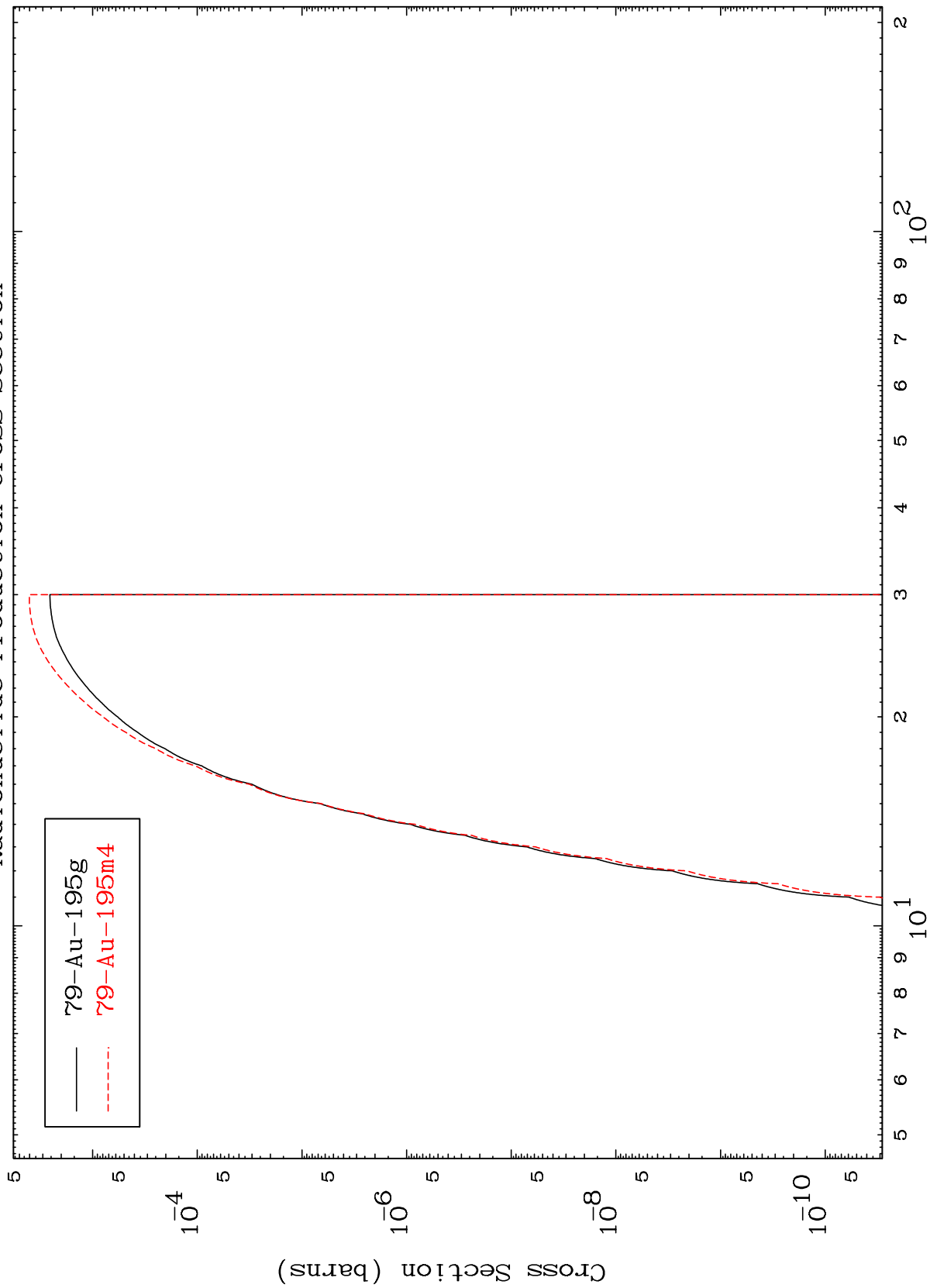
Incident Energy (MeV)

148

MAT 8028

80-Hg-197

(n, t)
Radionuclide Production Cross Section



149

Incident Energy (MeV)

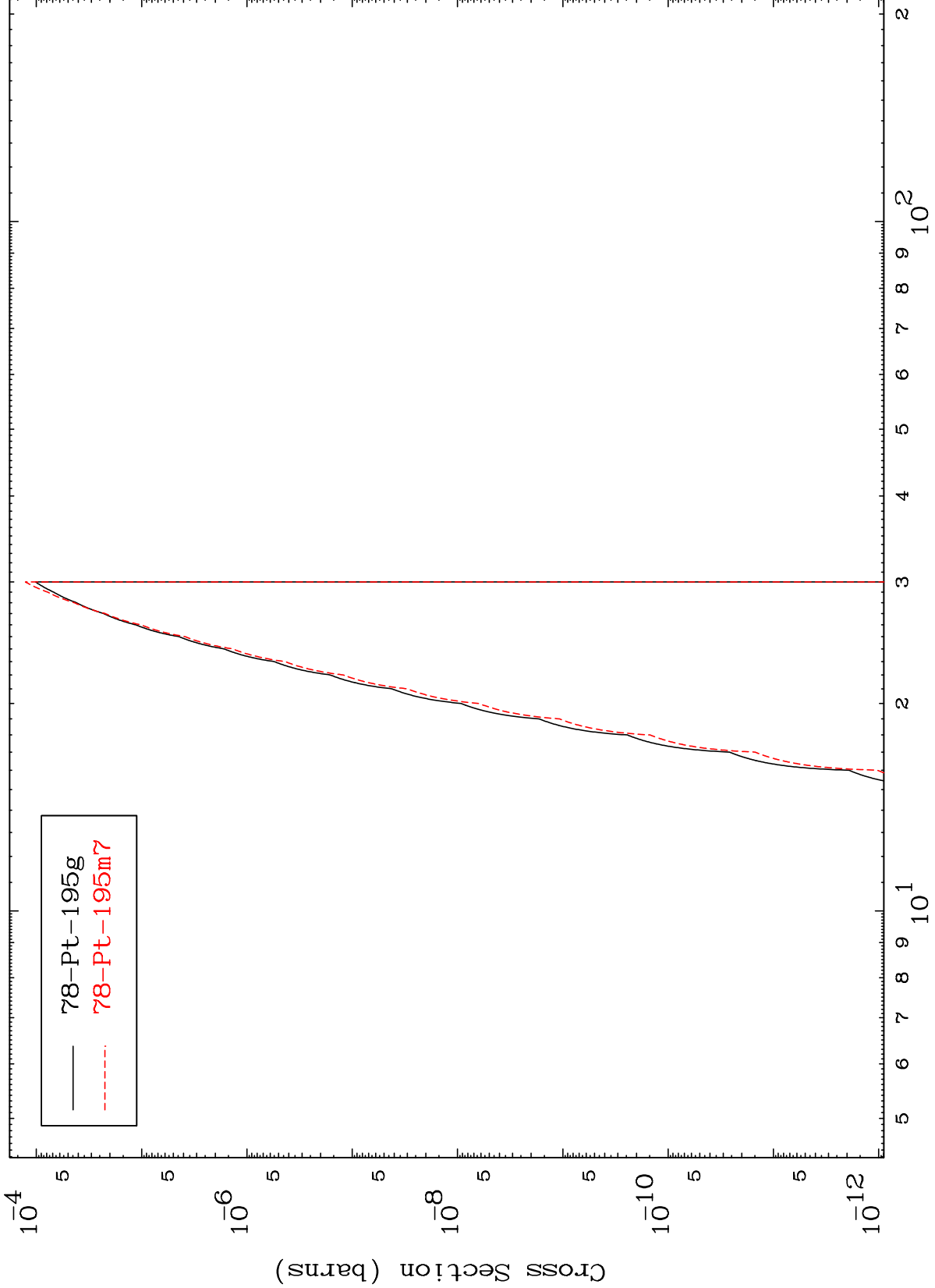
80-Hg-197

MAT 8028

(n,He-3)

80-Hg-197

Radionuclide Production Cross Section



78-Pt-195g
78-Pt-195m7

150

Incident Energy (MeV)

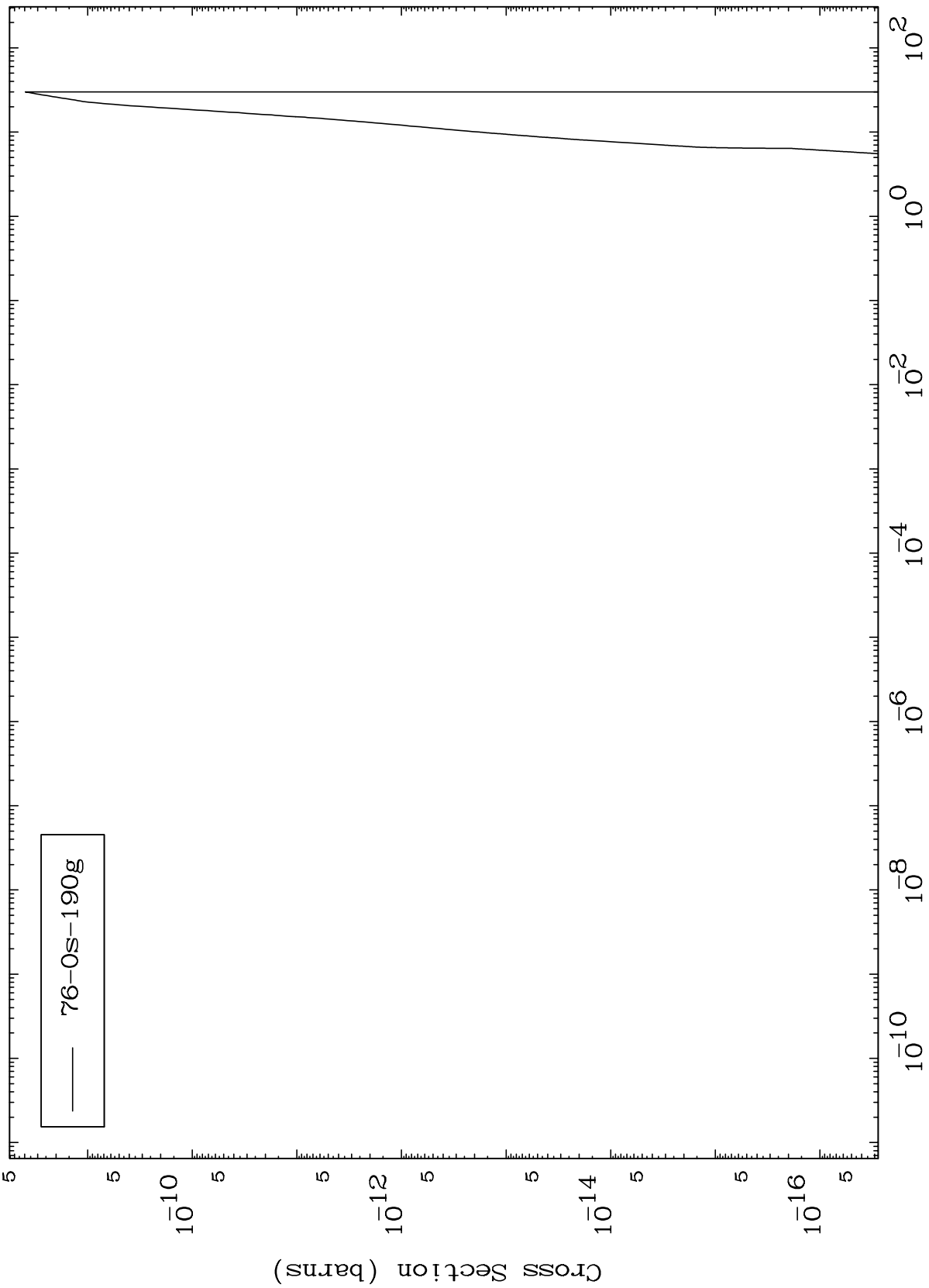
80-Hg-197

MAT 8028

(n,2α)

80-Hg-197

Radionuclide Production Cross Section

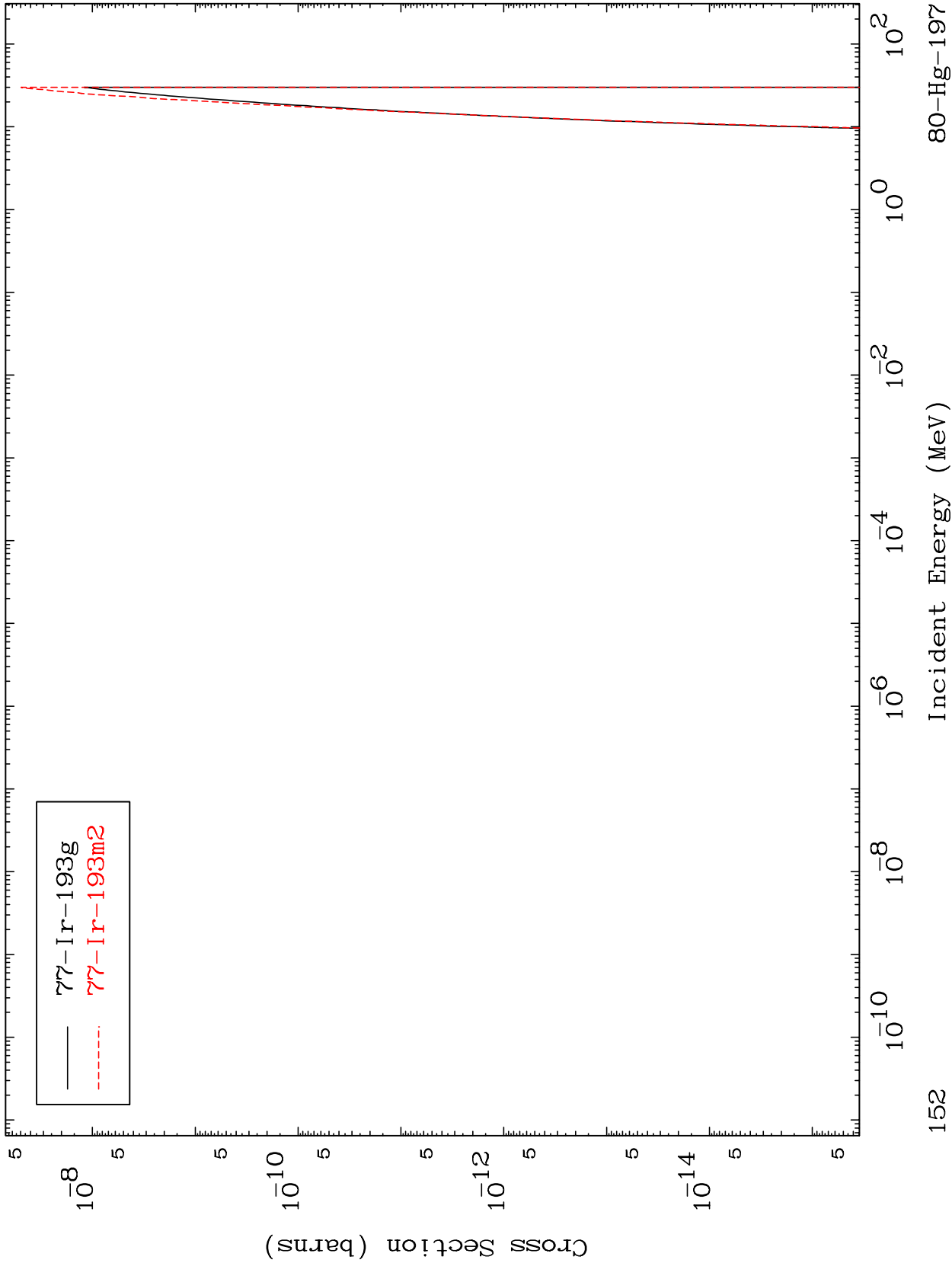


MAT 8028

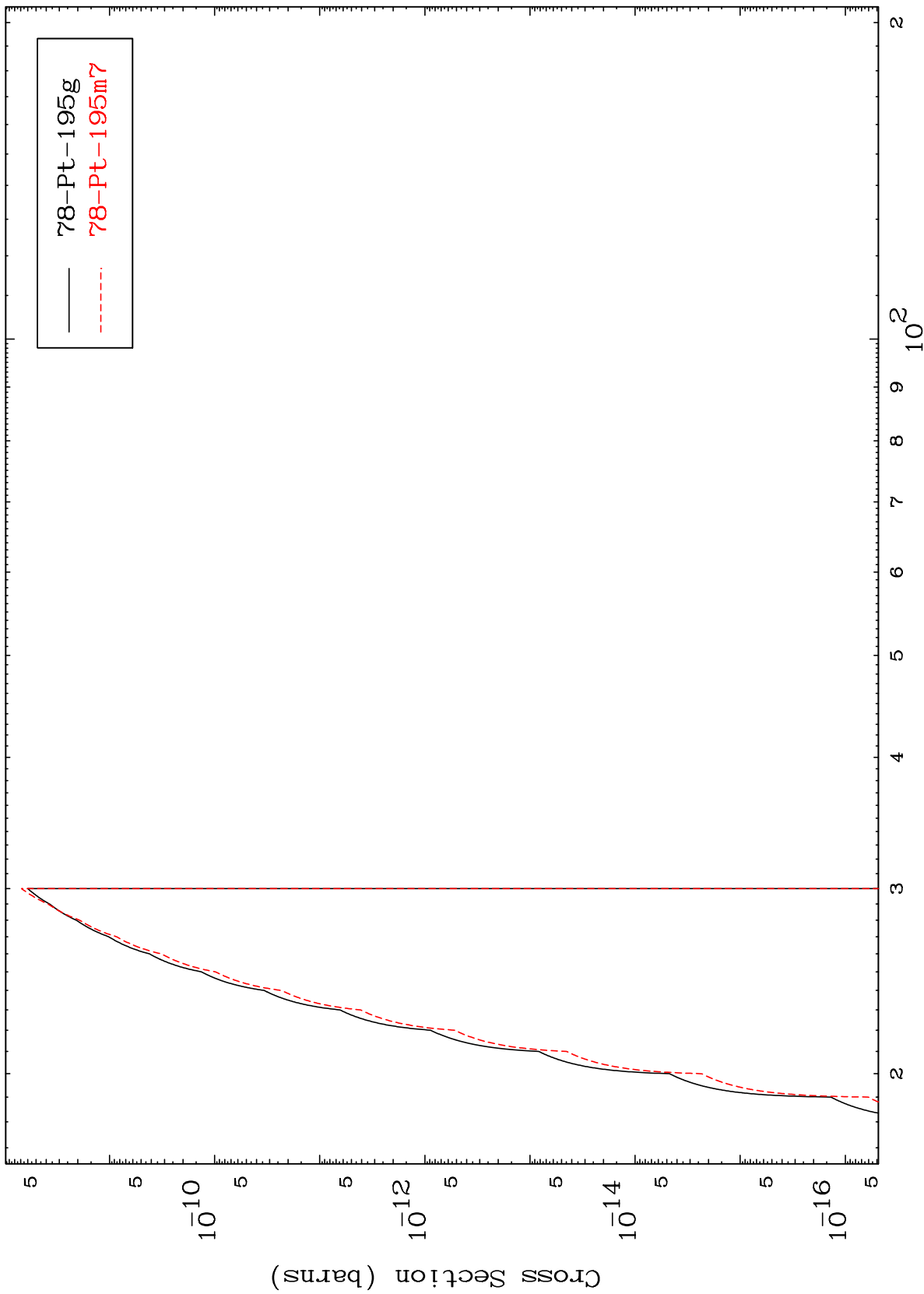
(n,p) α

80-Hg-197

Radionuclide Production Cross Section



Radionuclide Production Cross Section

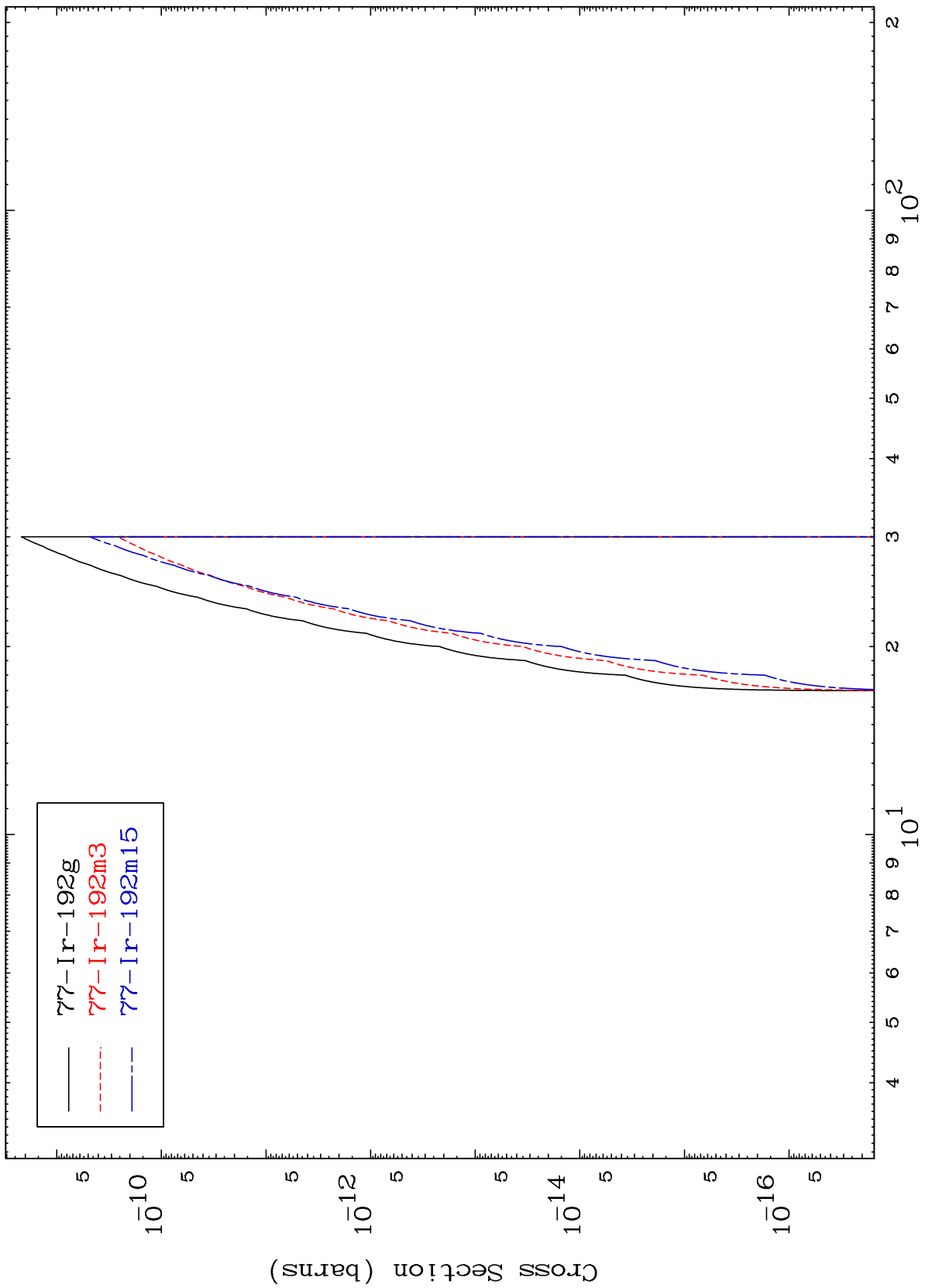


MAT 8028

(n,d) α

80-Hg-197

Radionuclide Production Cross Section



154

Incident Energy (MeV)

80-Hg-197