

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

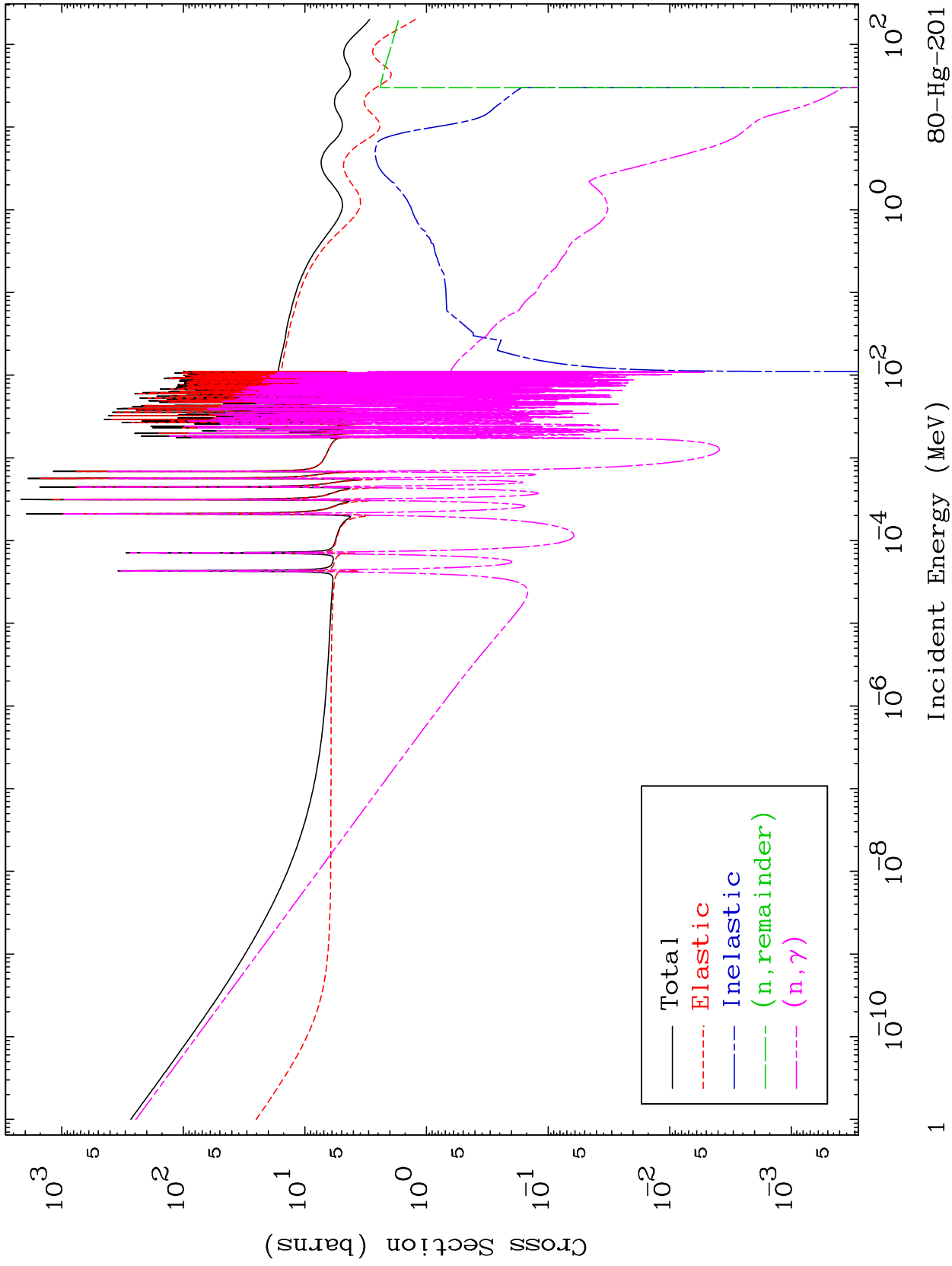
Press Mouse Button to Start

MAT 8040

Major

293 Kelvin Cross Sections

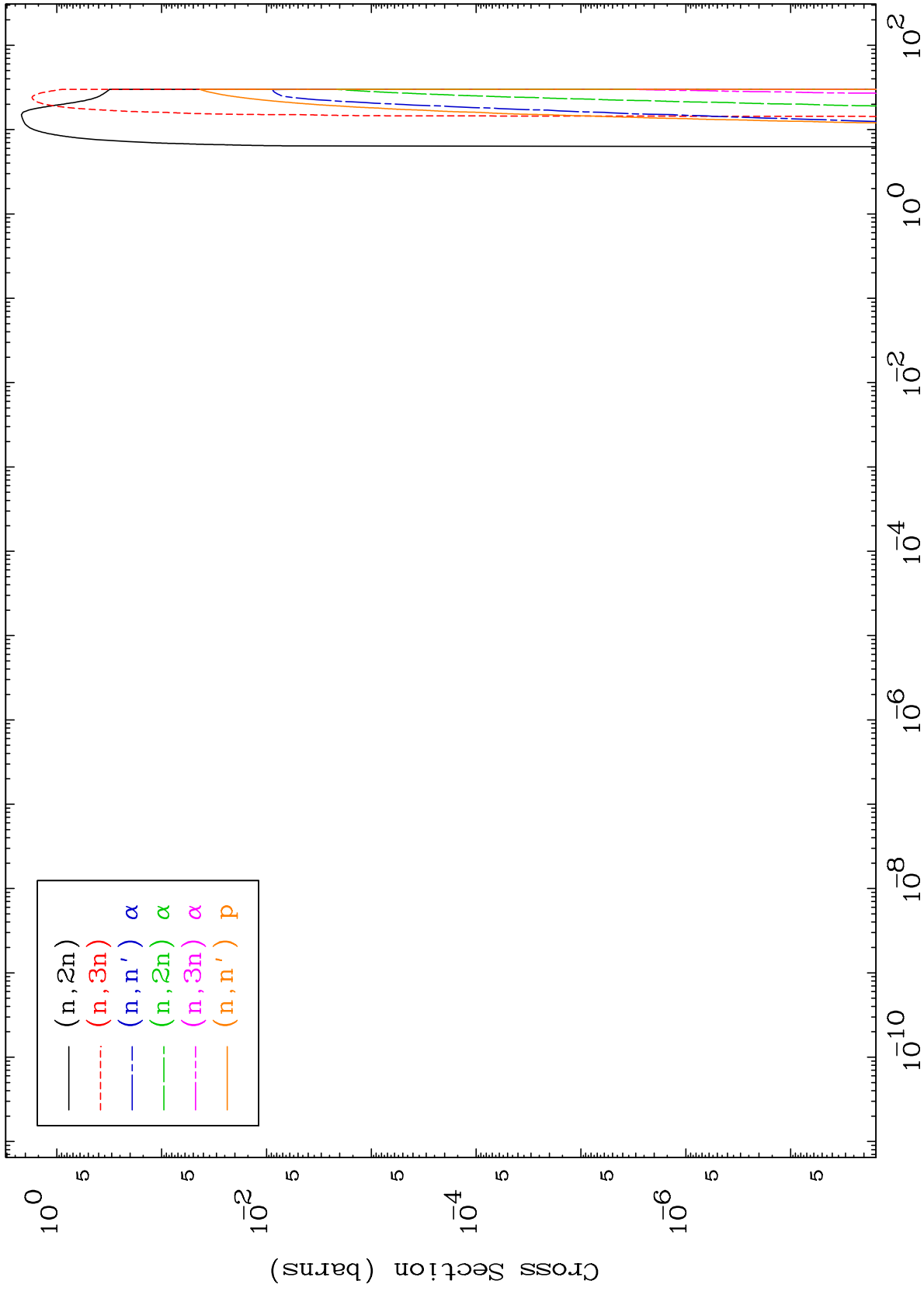
80-Hg-201



MAT 8040

Neutron Production
293 Kelvin Cross Sections

80-Hg-201



2

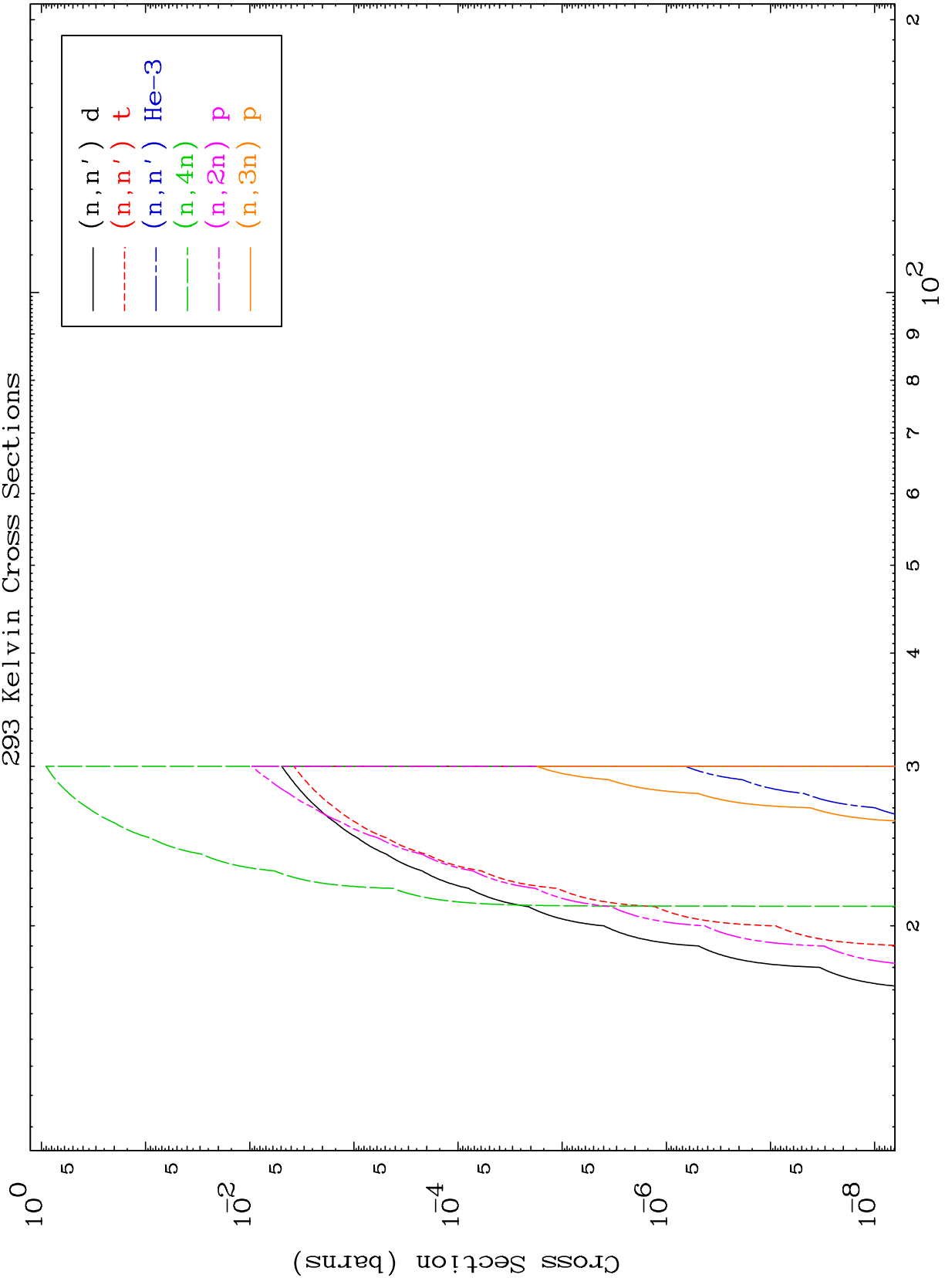
Incident Energy (MeV)

80-Hg-201

MAT 8040

Neutron Production
293 Kelvin Cross Sections

80-Hg-201



3

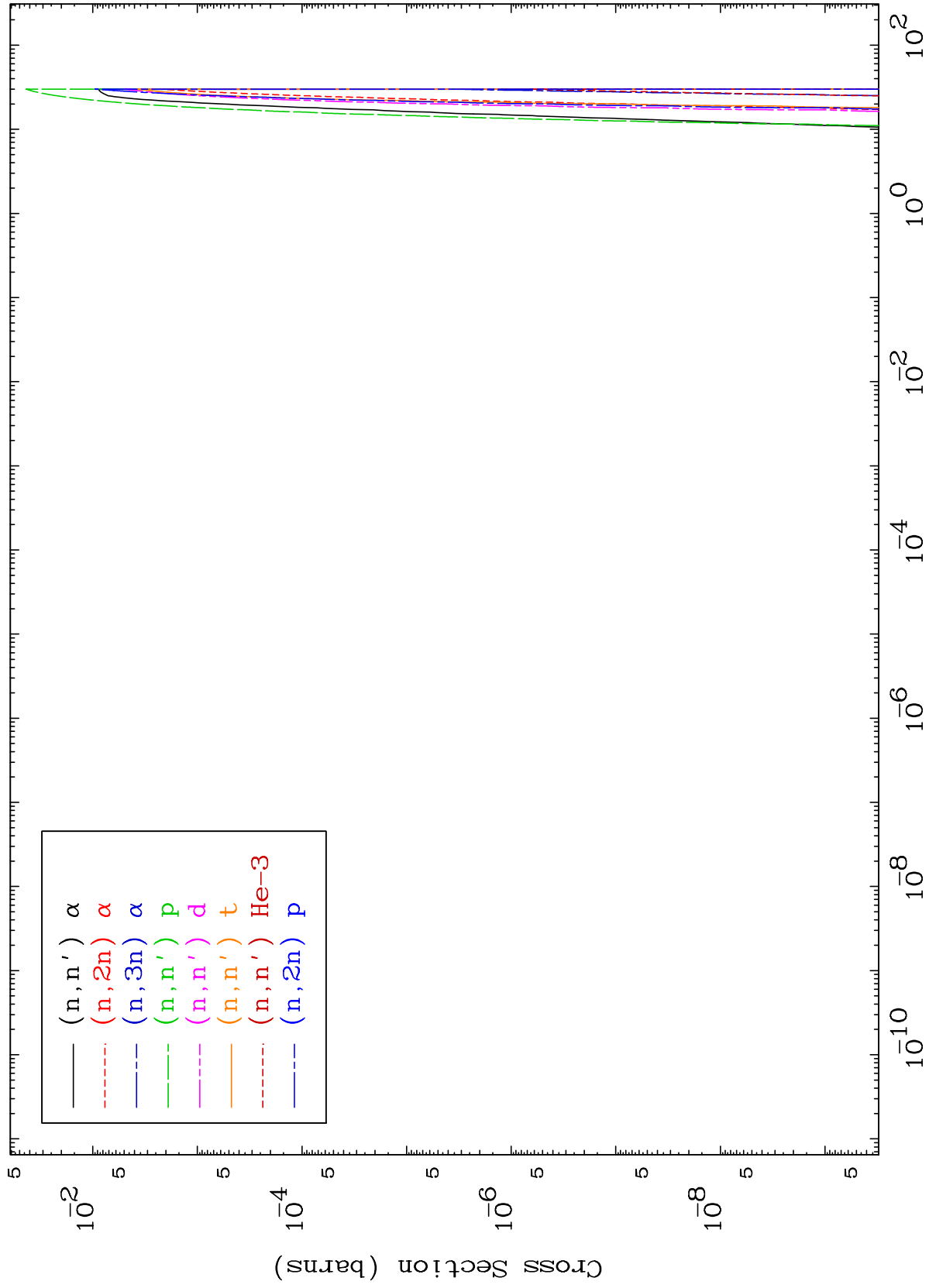
Incident Energy (MeV)

80-Hg-201

MAT 8040

293 Charged Particle
Kelvin Cross Sections

80-Hg-201

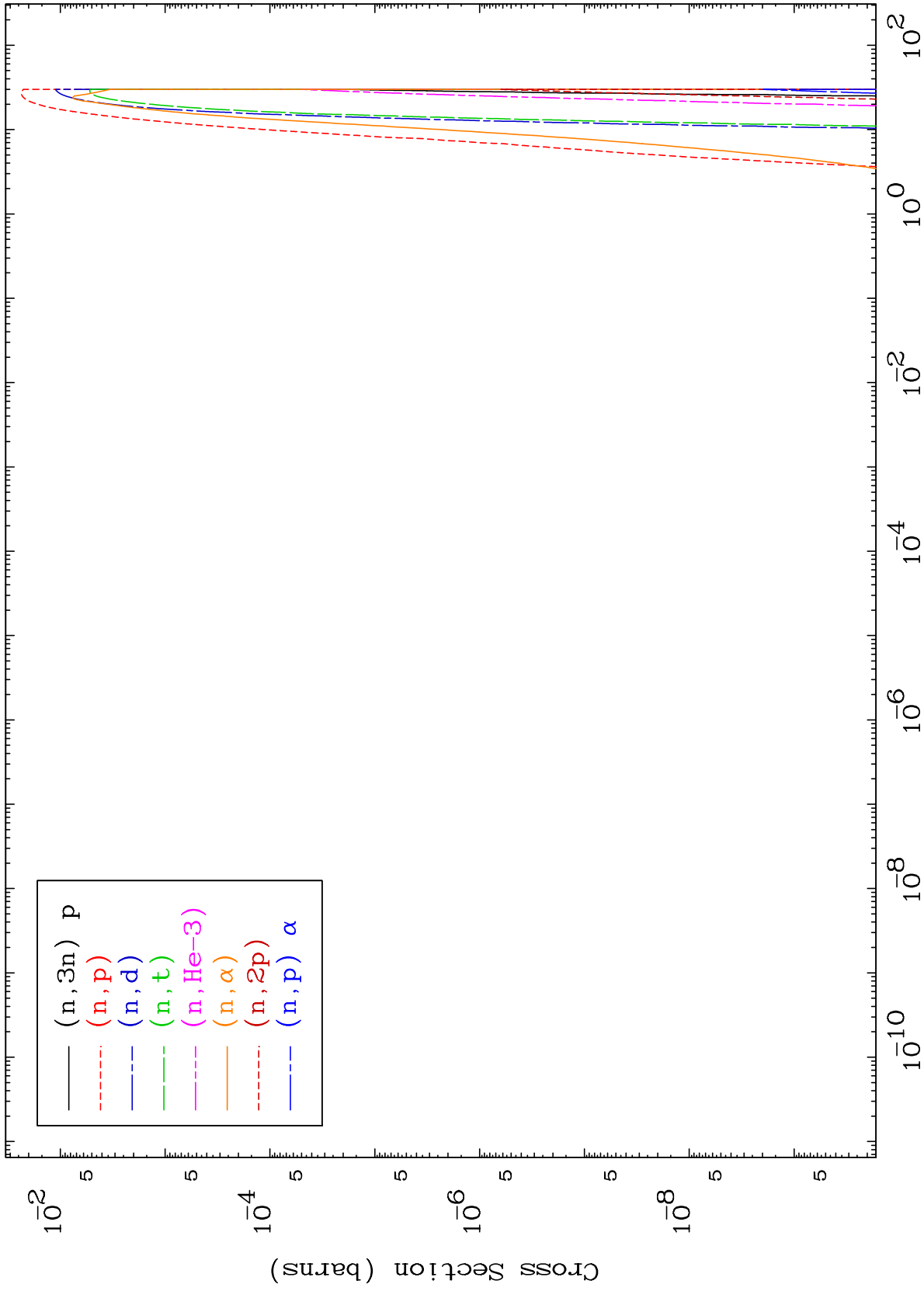


80-Hg-201

MAT 8040

293 Kelvin Cross Sections

80-Hg-201



5

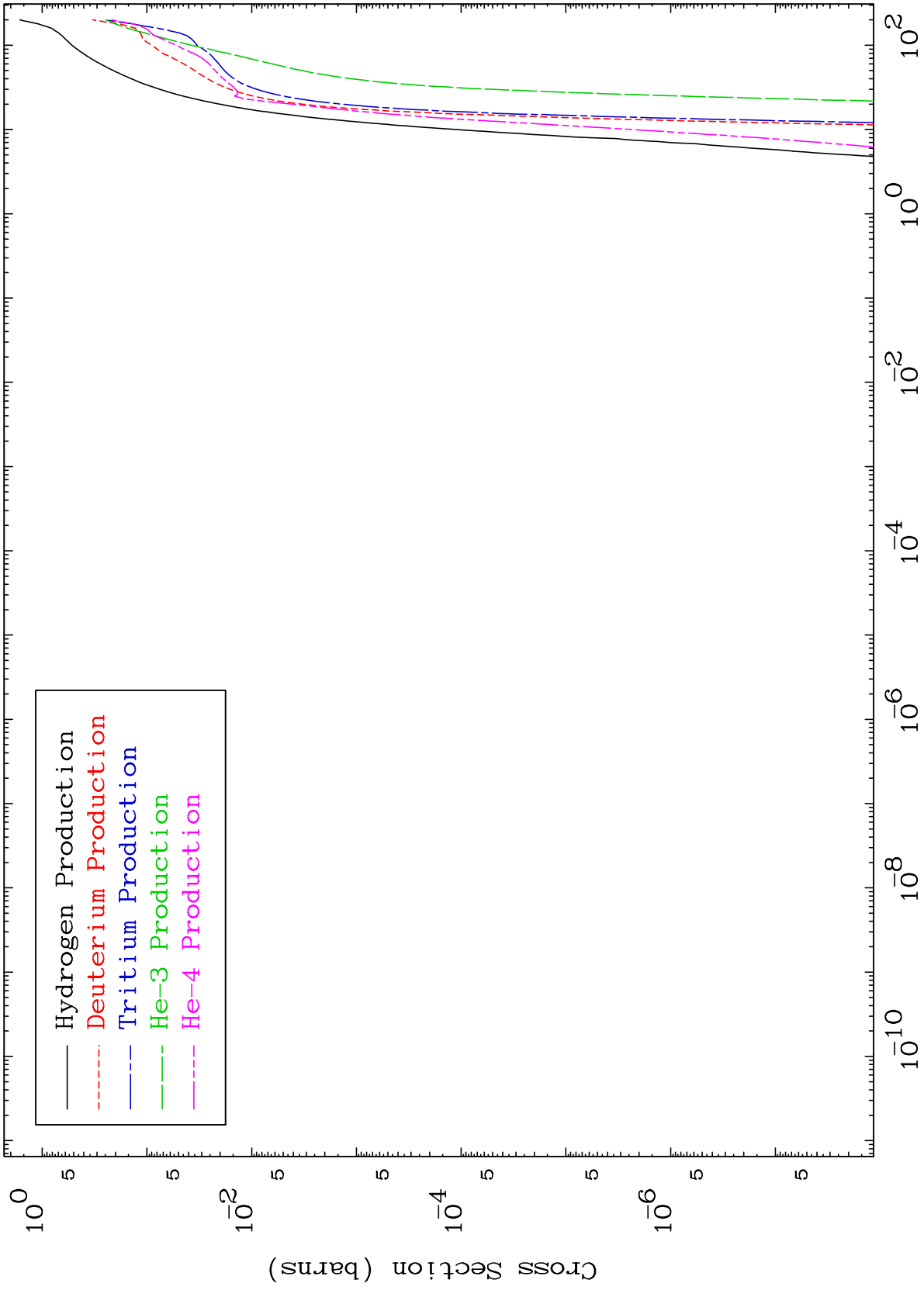
Incident Energy (MeV)

80-Hg-201

MAT 8040

Particle Production
293 Kelvin Cross Sections

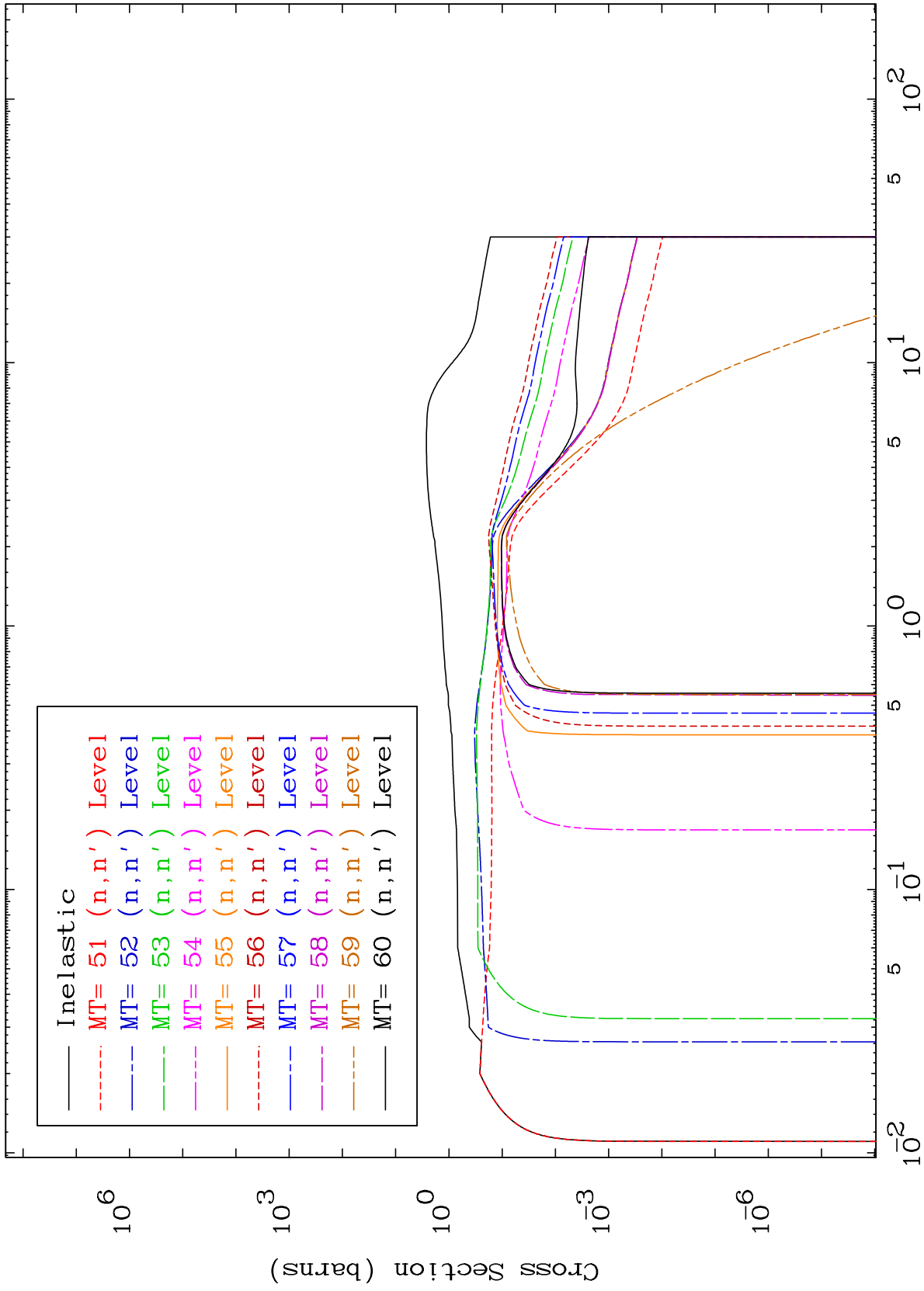
80-Hg-201



MAT 8040

(n,n') Level
293 Kelvin Cross Sections

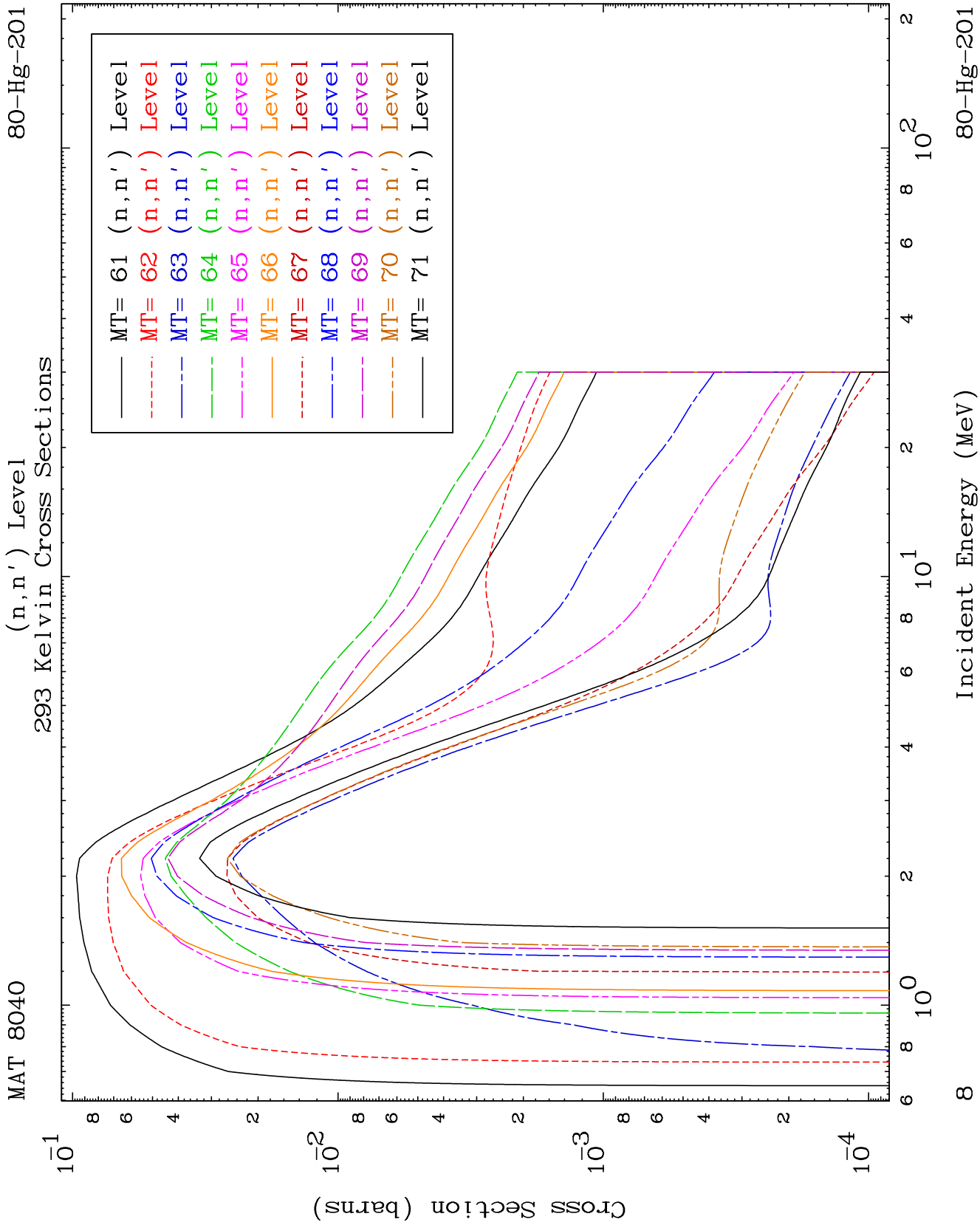
80-Hg-201



7

Incident Energy (MeV)

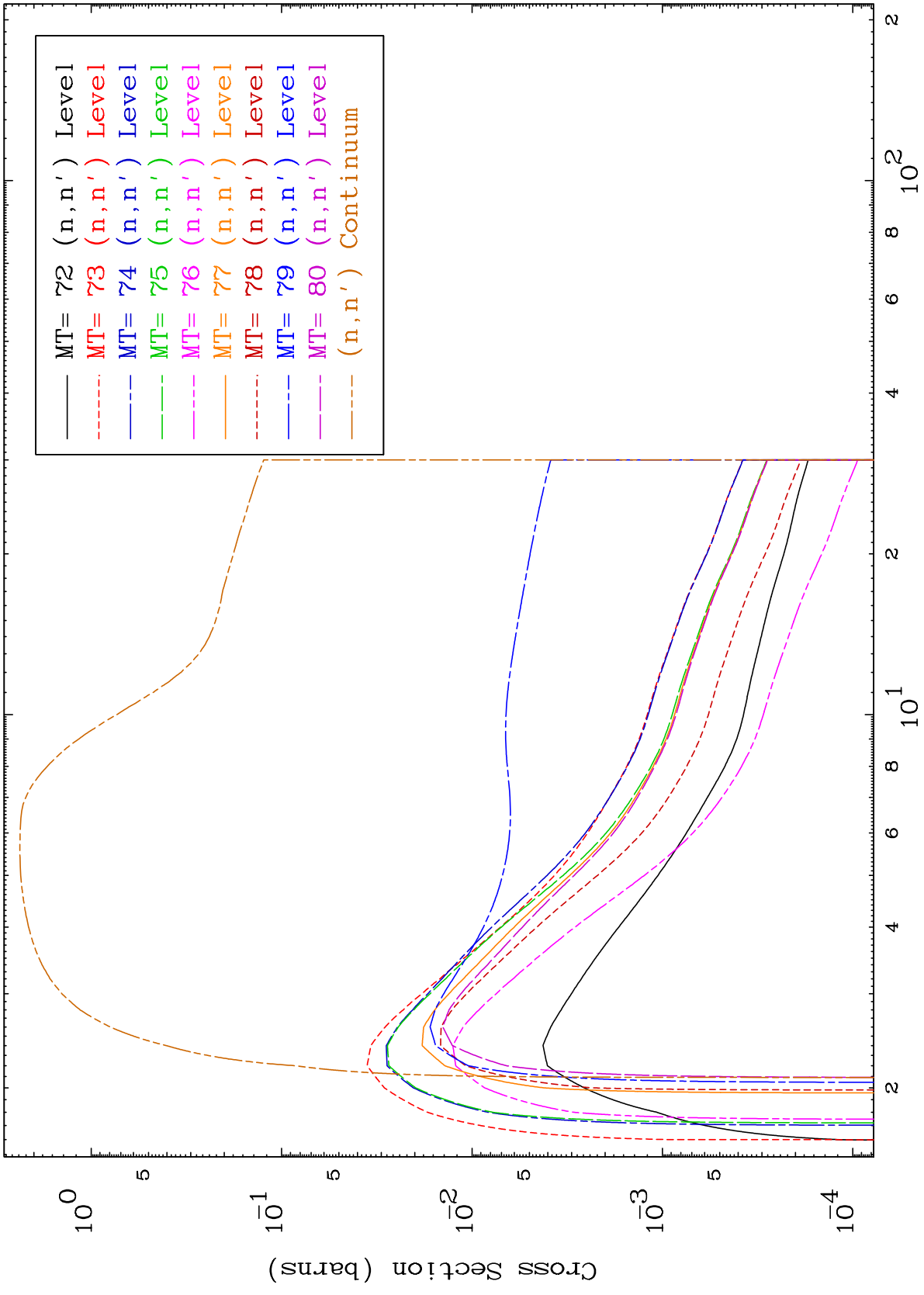
80-Hg-201



MAT 8040

(n,n') Level
293 Kelvin Cross Sections

80-Hg-201



9

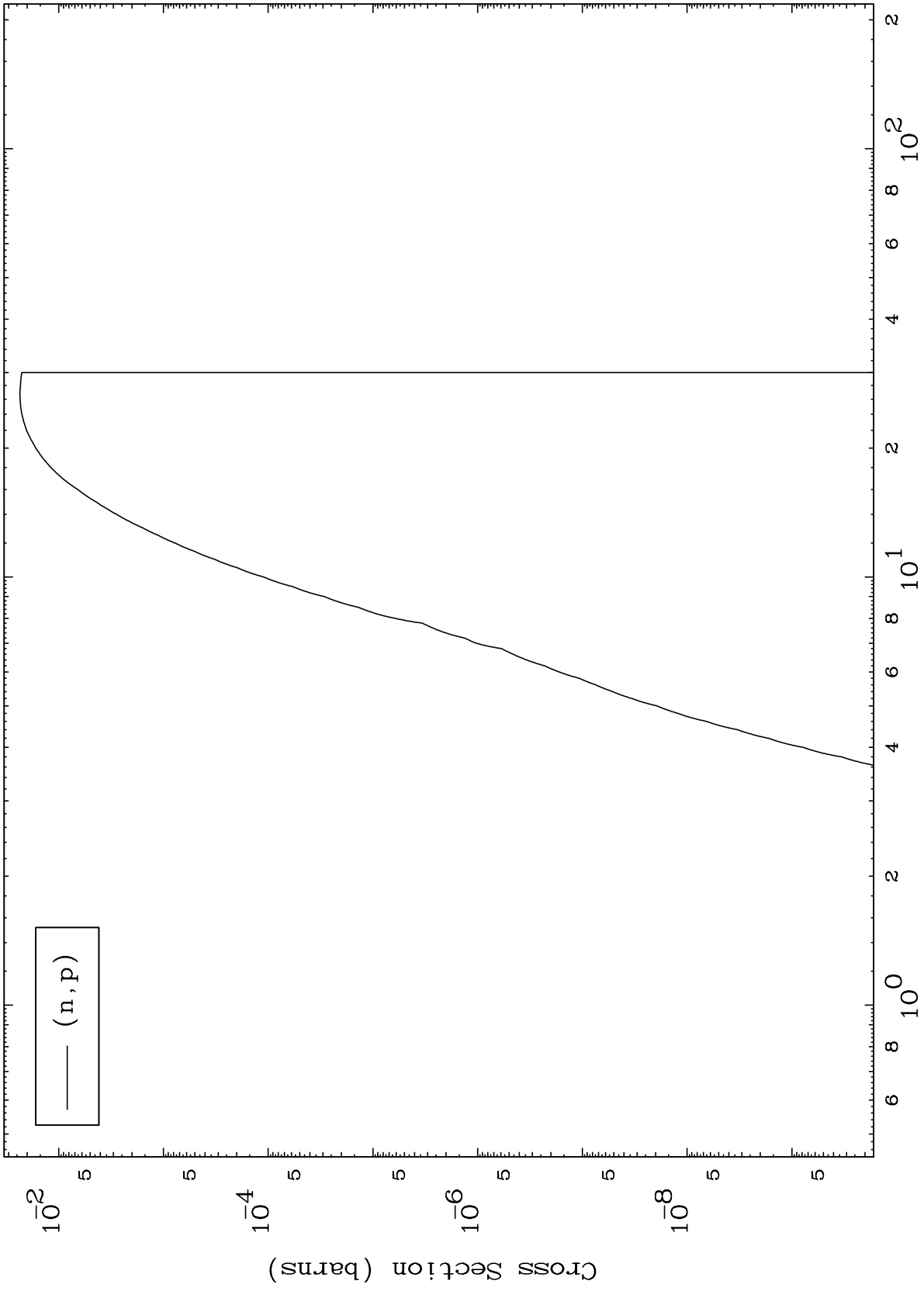
Incident Energy (MeV)

80-Hg-201

MAT 8040

(n,p) Levels
293 Kelvin Cross Sections

80-Hg-201



10

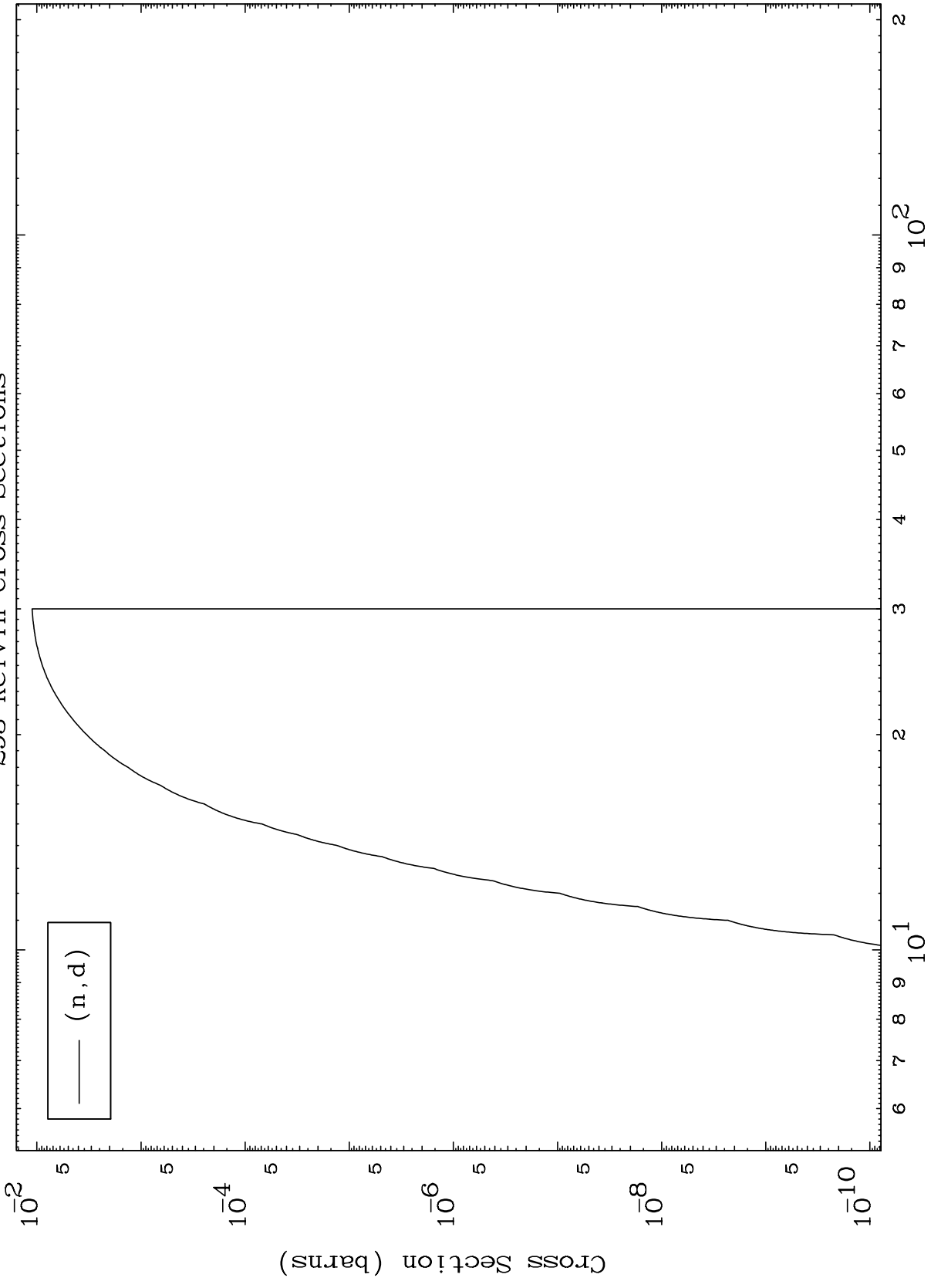
Incident Energy (MeV)

80-Hg-201

MAT 8040

(n,d) Levels
293 Kelvin Cross Sections

80-Hg-201

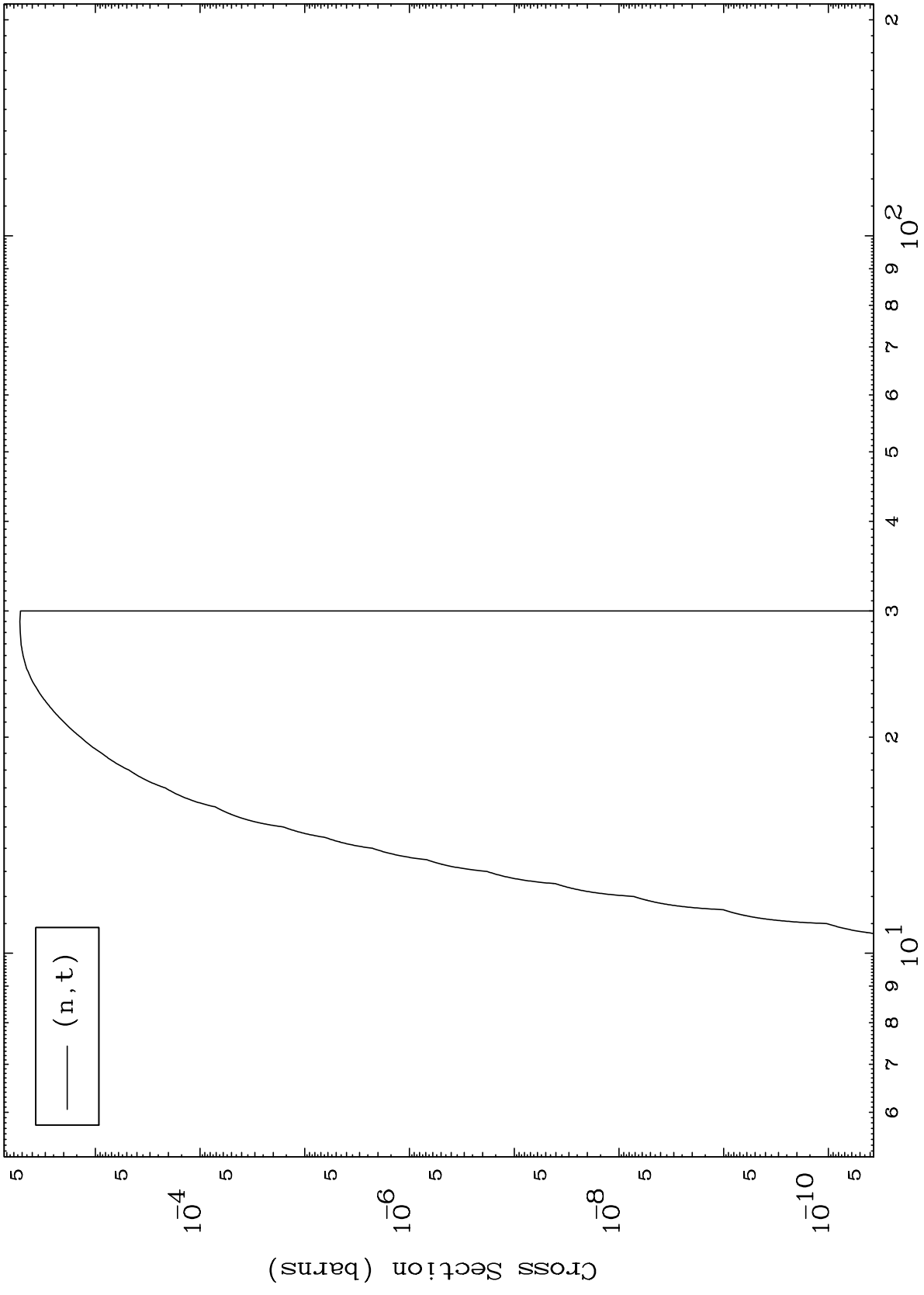


80-Hg-201

MAT 8040

(n,t) Levels
293 Kelvin Cross Sections

80-Hg-201



12

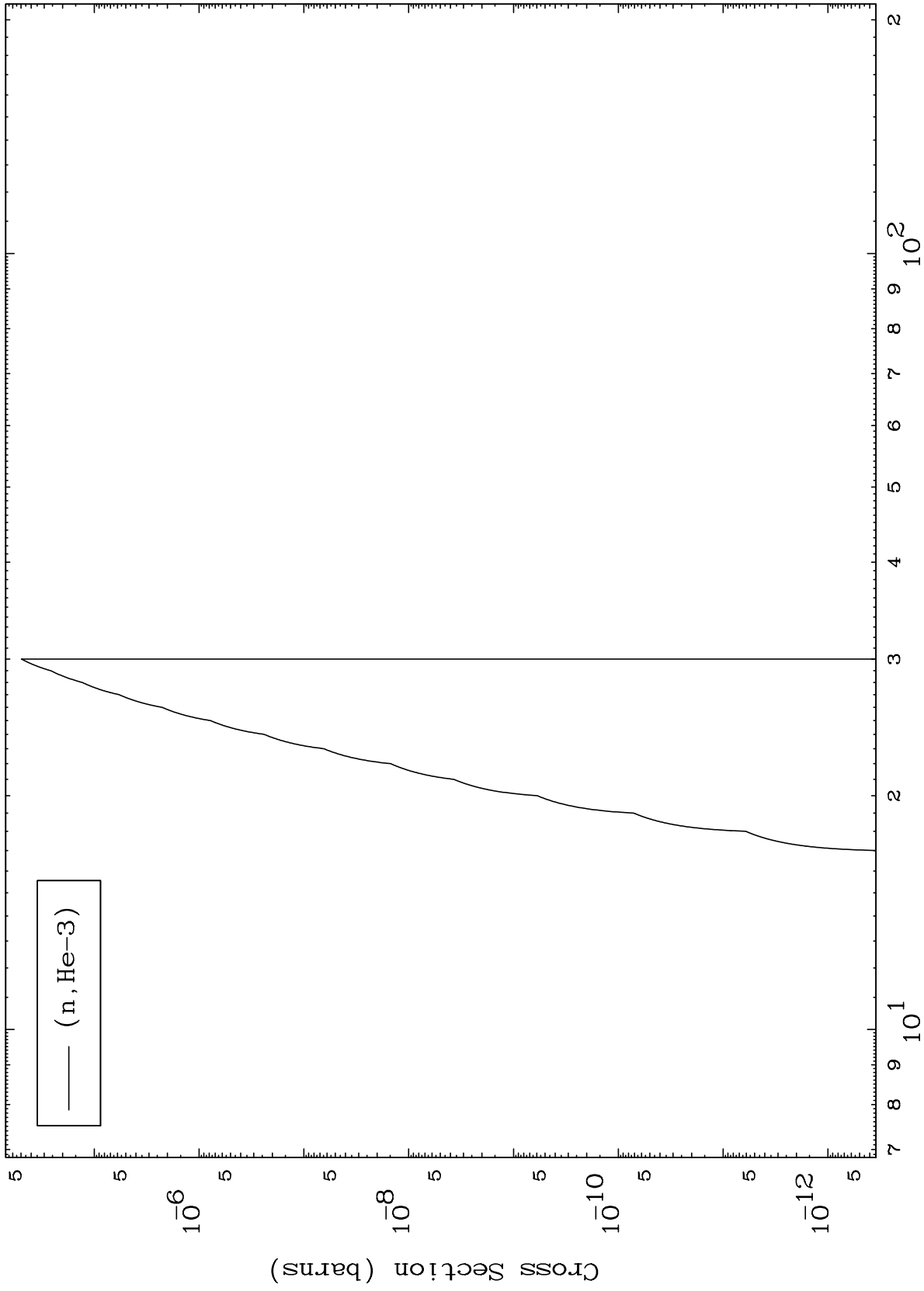
Incident Energy (MeV)

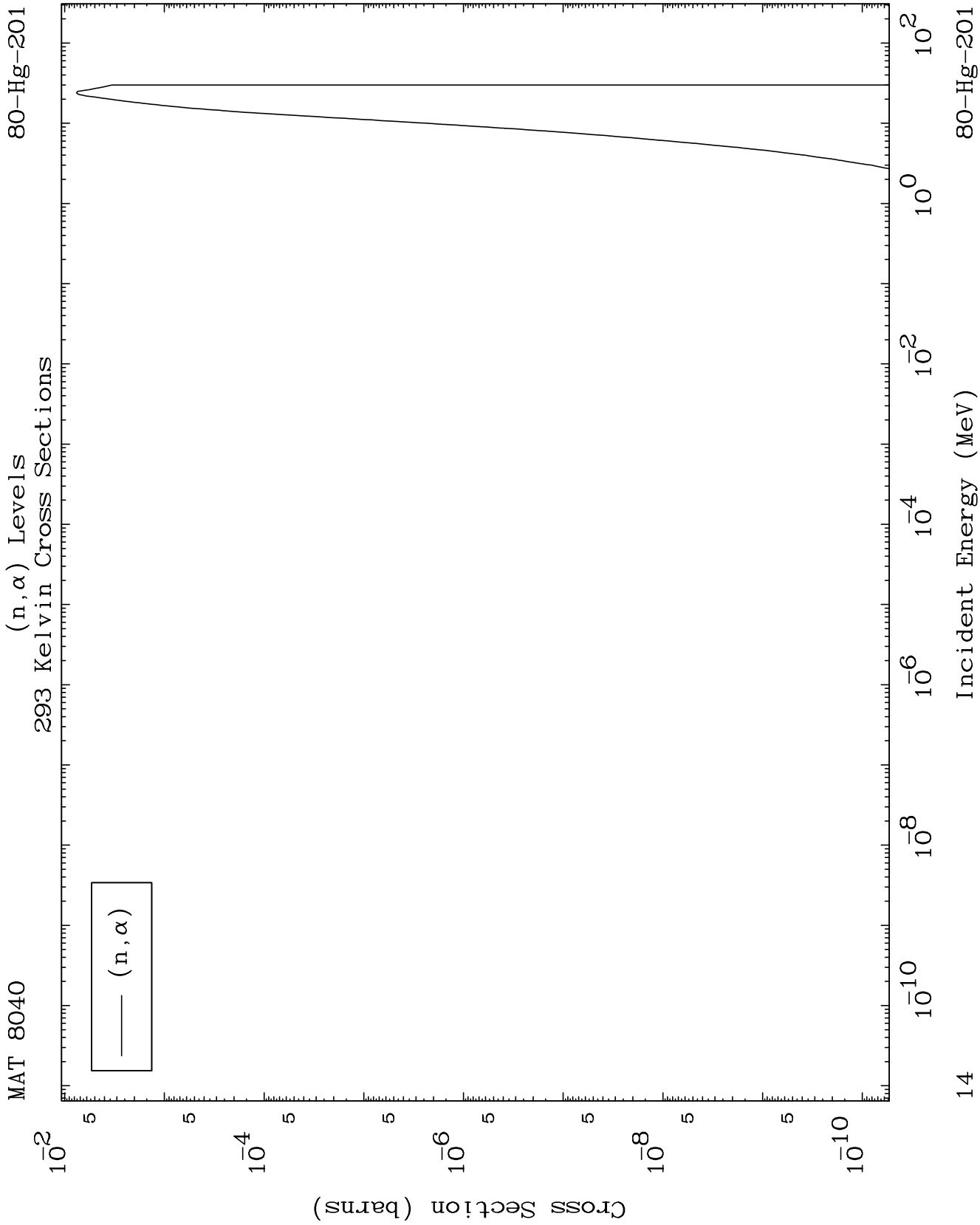
80-Hg-201

MAT 8040

(n,He3) Levels
293 Kelvin Cross Sections

80-Hg-201

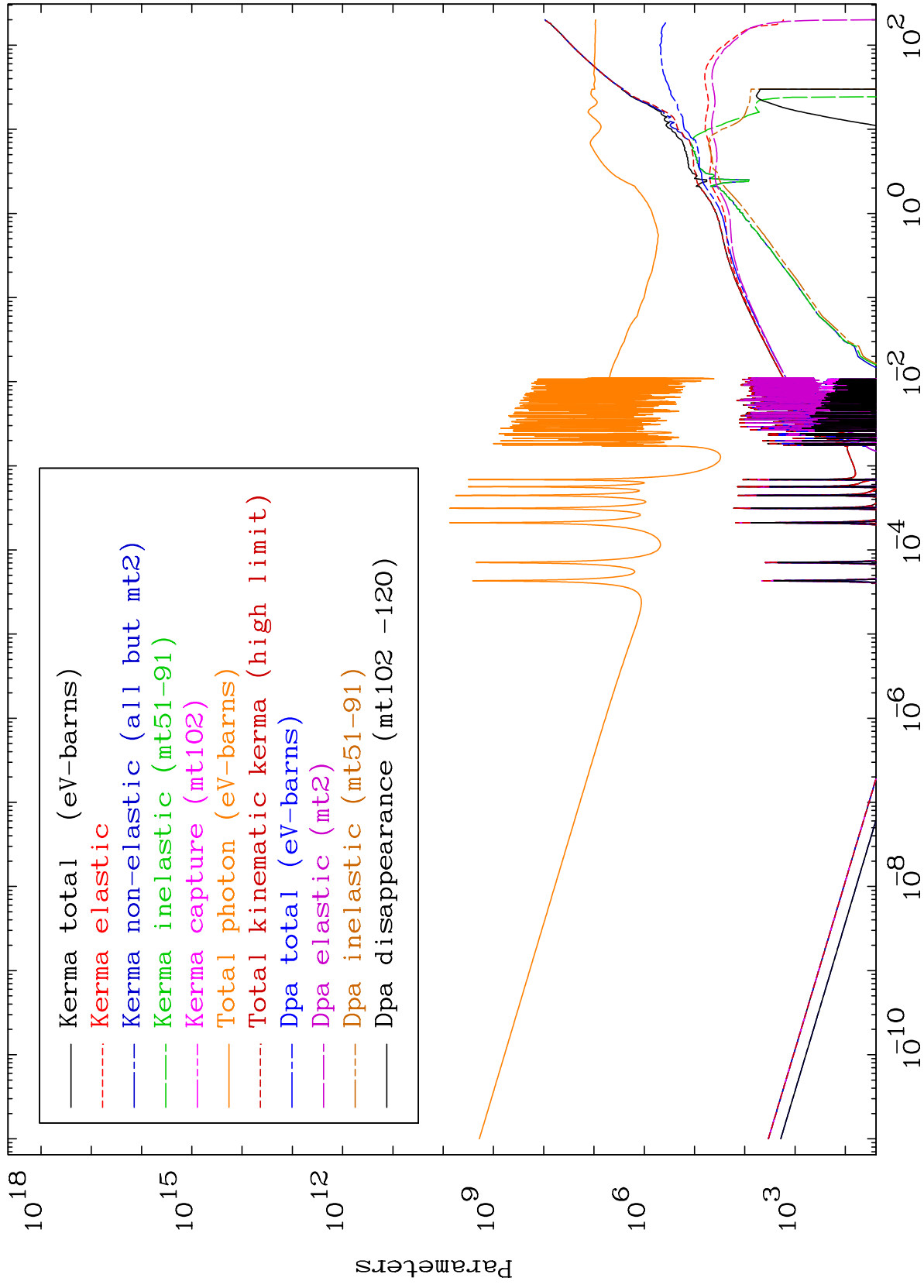




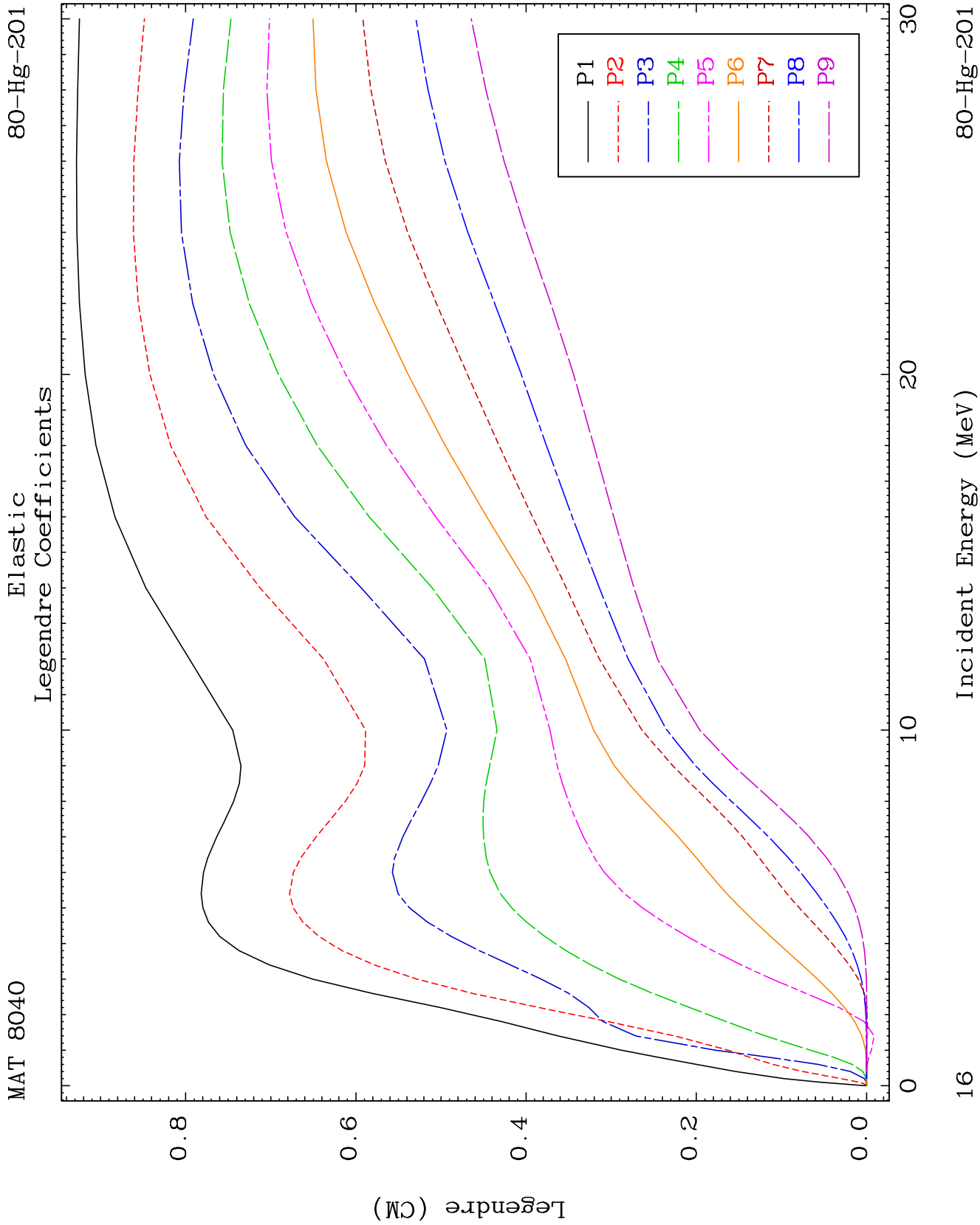
MAT 8040

Energy Release
Parameters

80-Hg-201



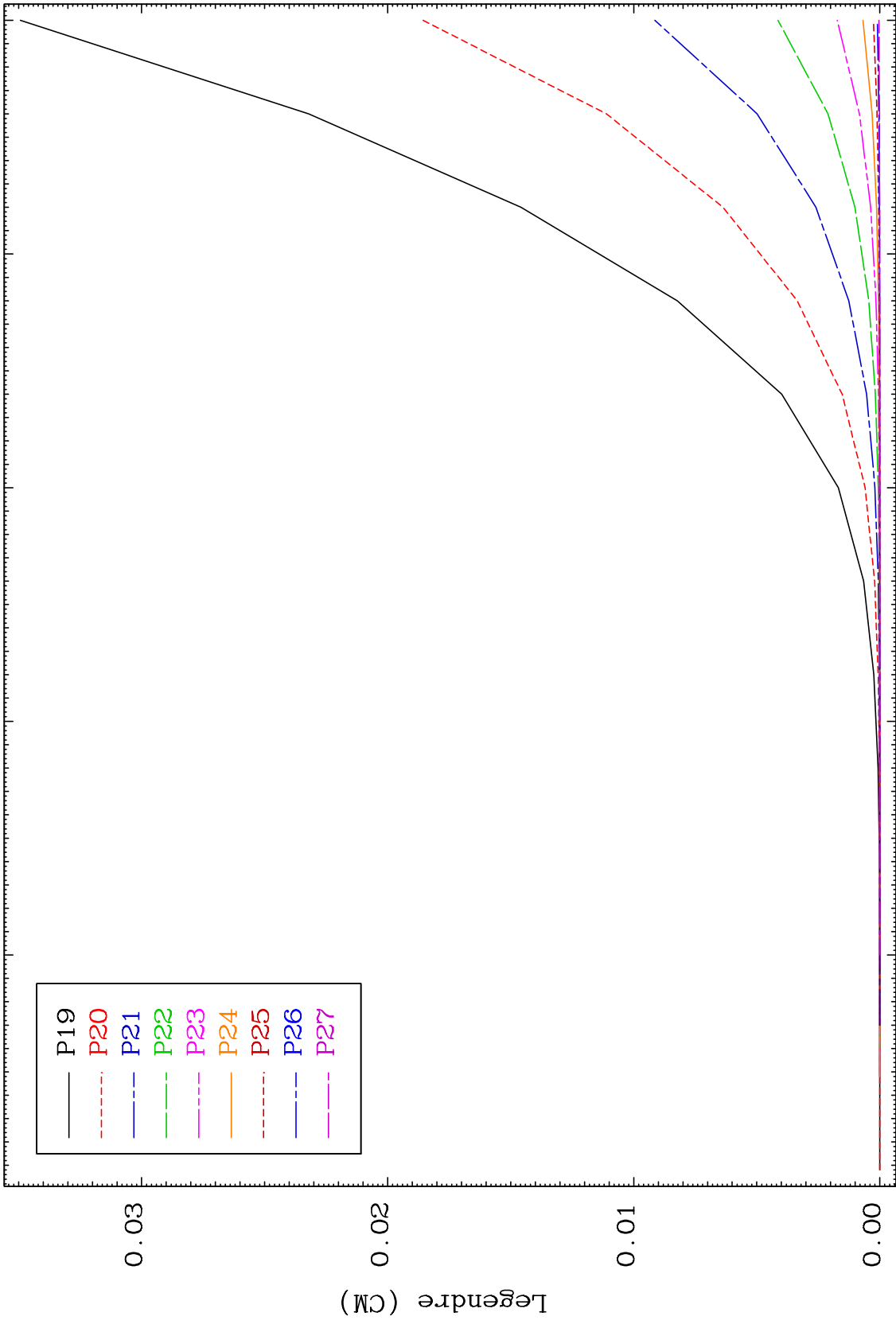
15



MAT 8040

Elastic Legendre Coefficients

80-Hg-201



18

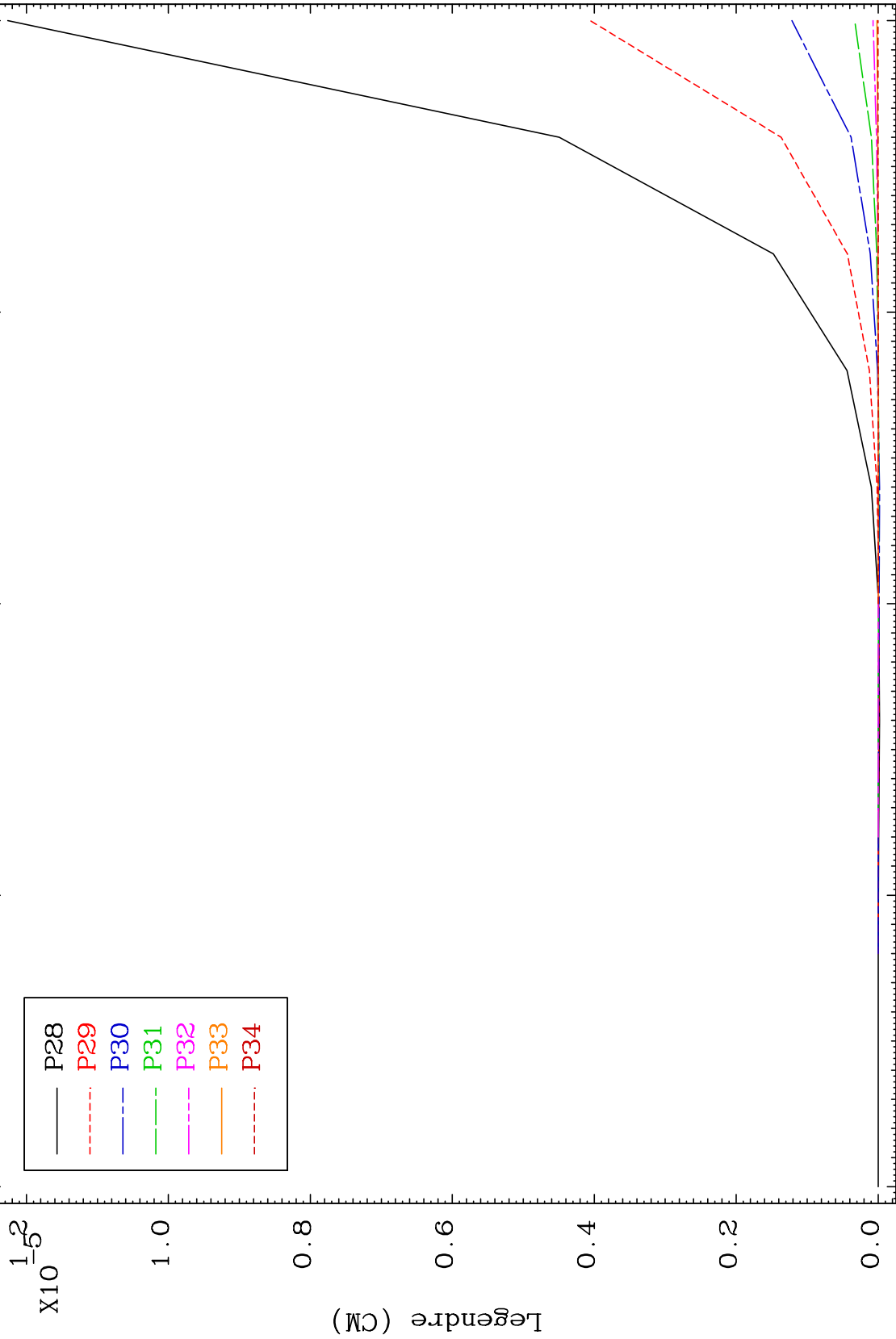
Incident Energy (MeV)

80-Hg-201

MAT 8040

Elastic Legendre Coefficients

80-Hg-201



19

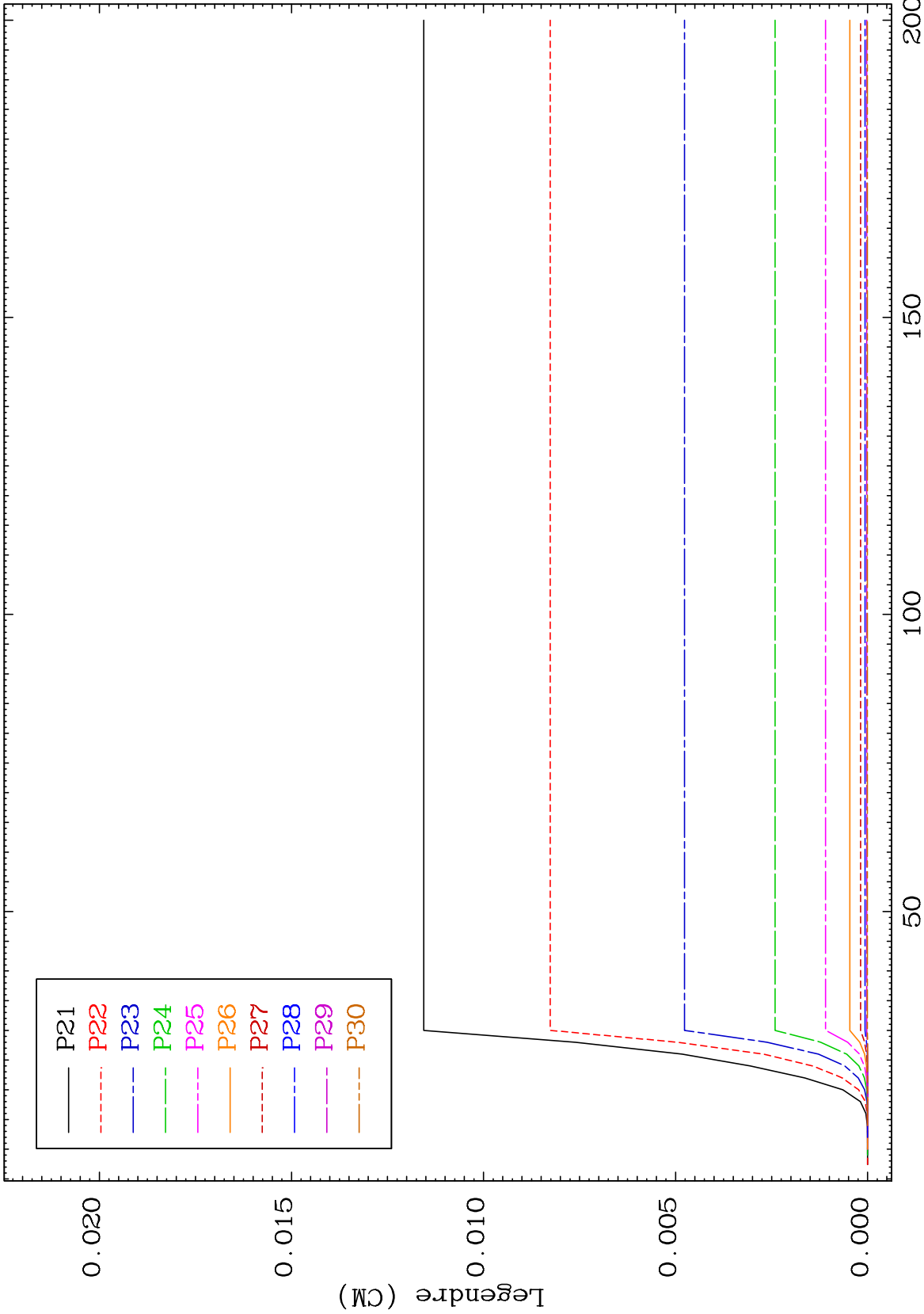
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



22

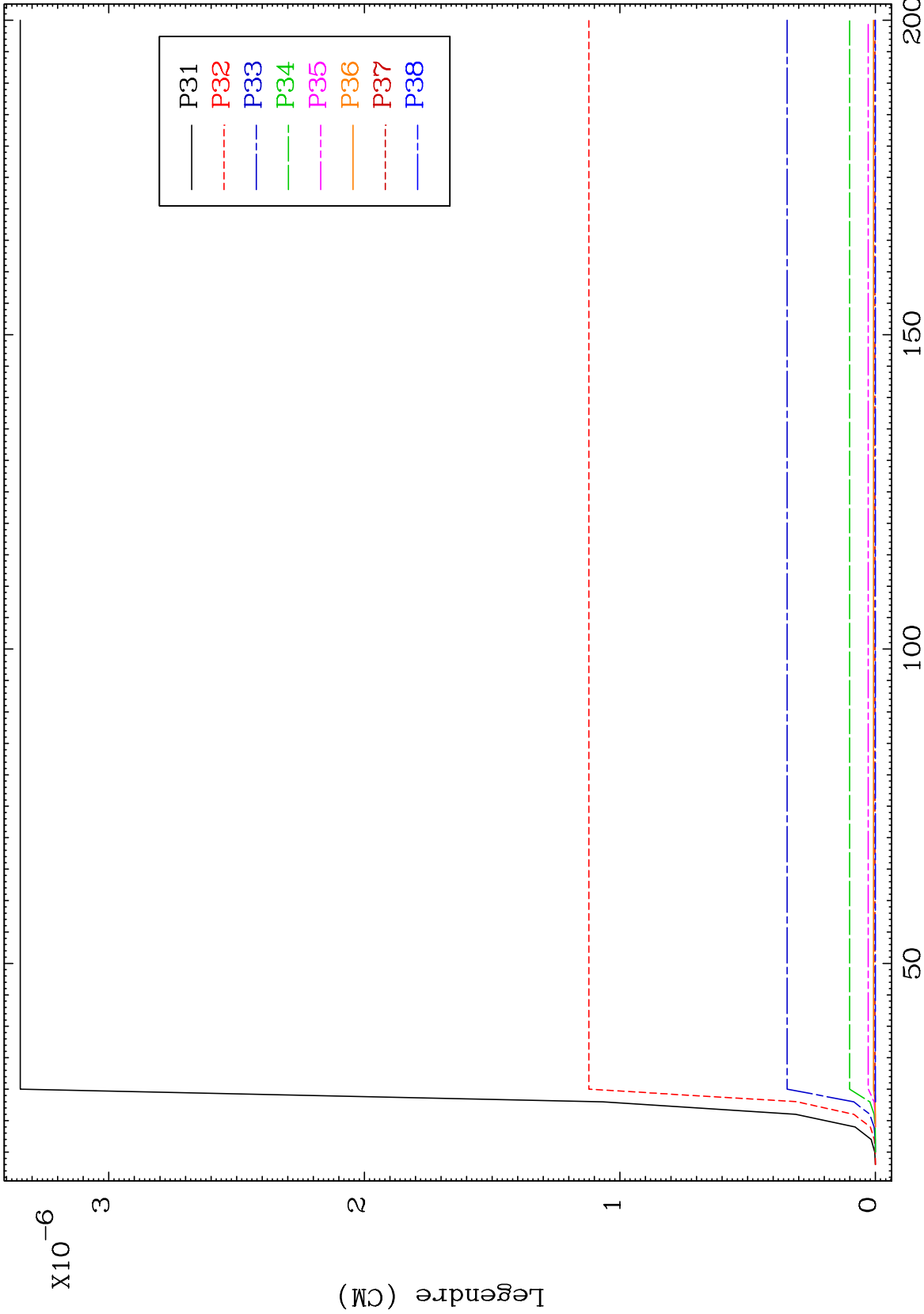
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201

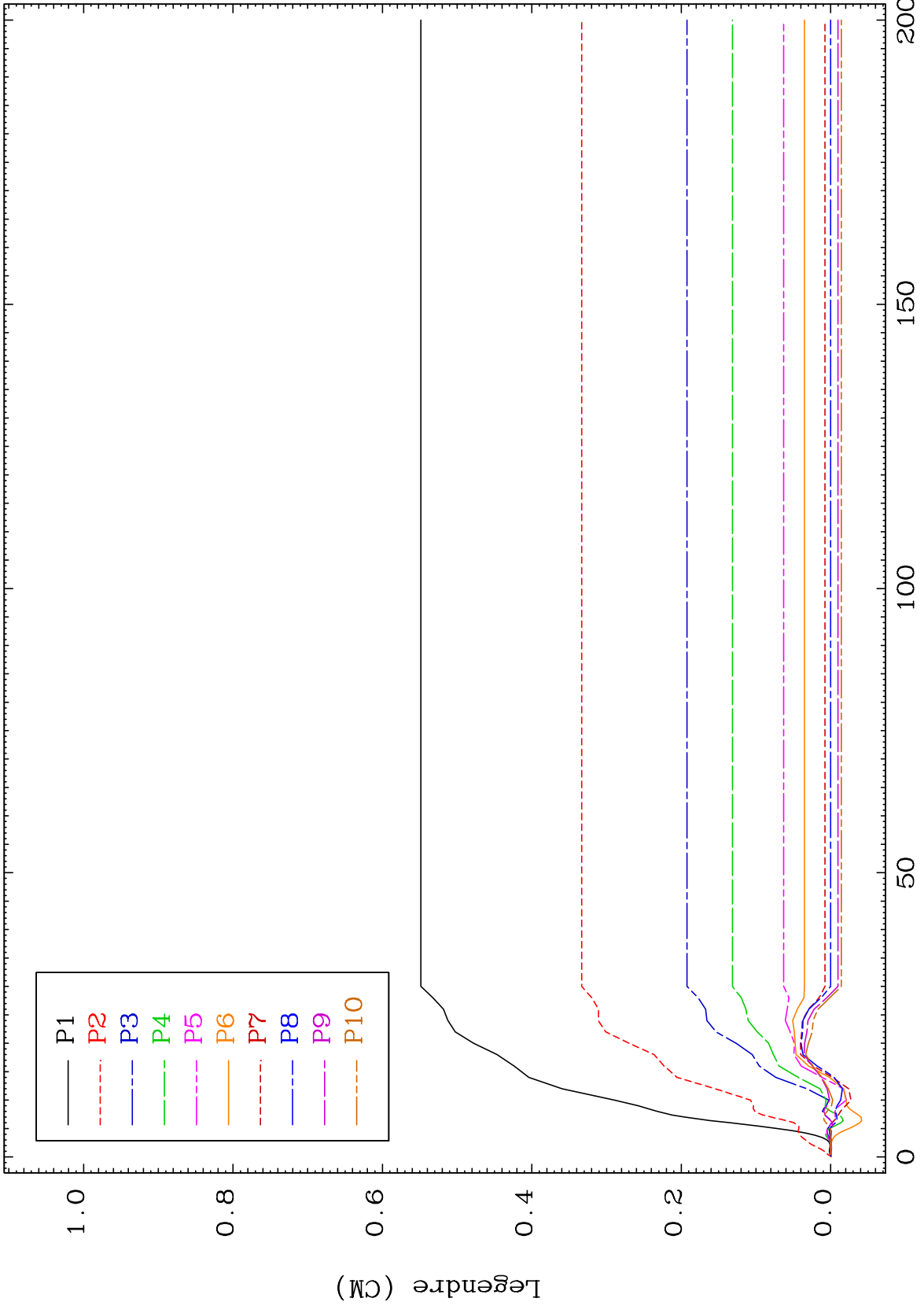


23

Incident Energy (MeV)

80-Hg-201

MAT 8040 MT= 52 (n,n') Level Legendre Coefficients 80-Hg-201

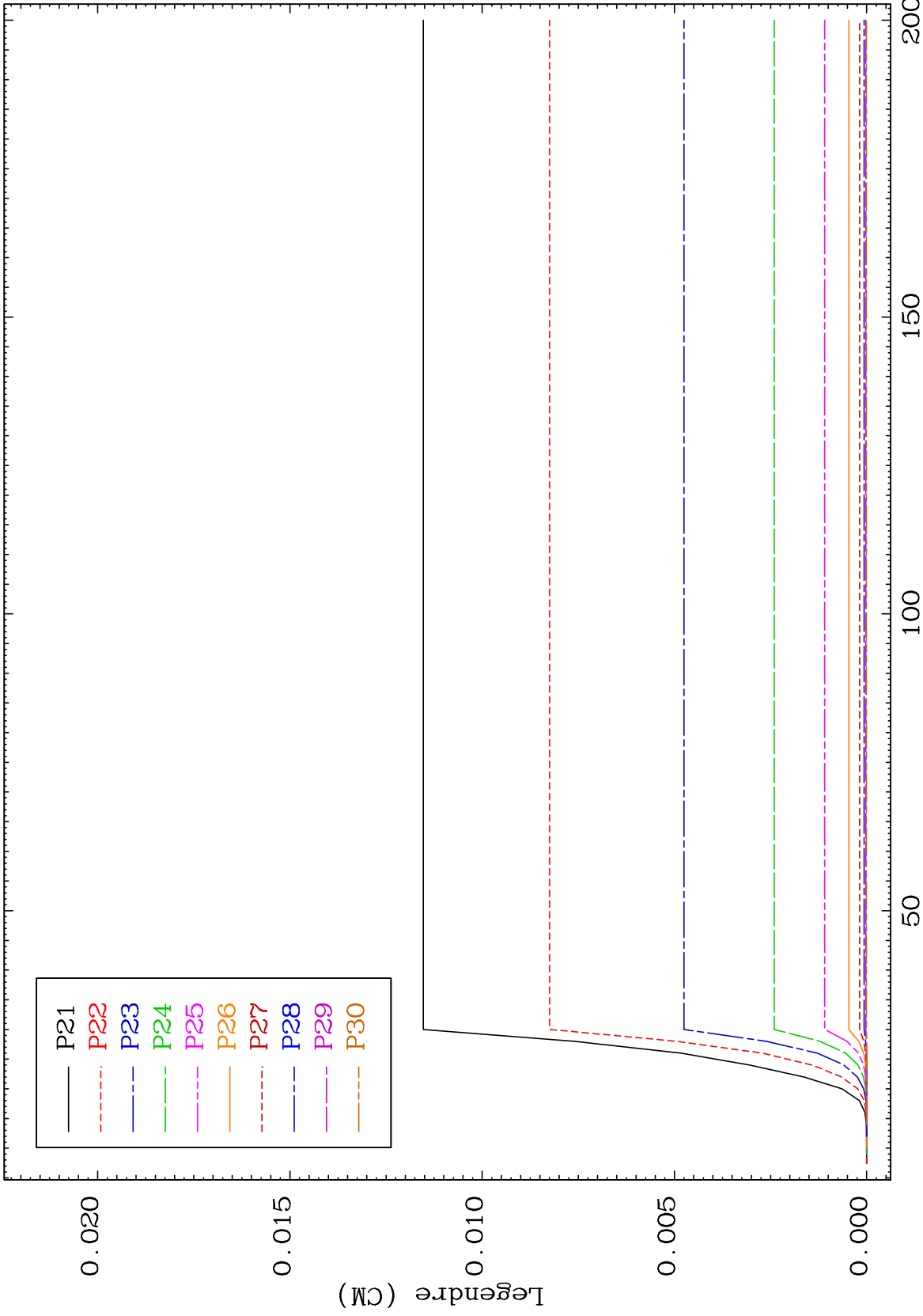


24 80-Hg-201

MAT 8040

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

80-Hg-201



26

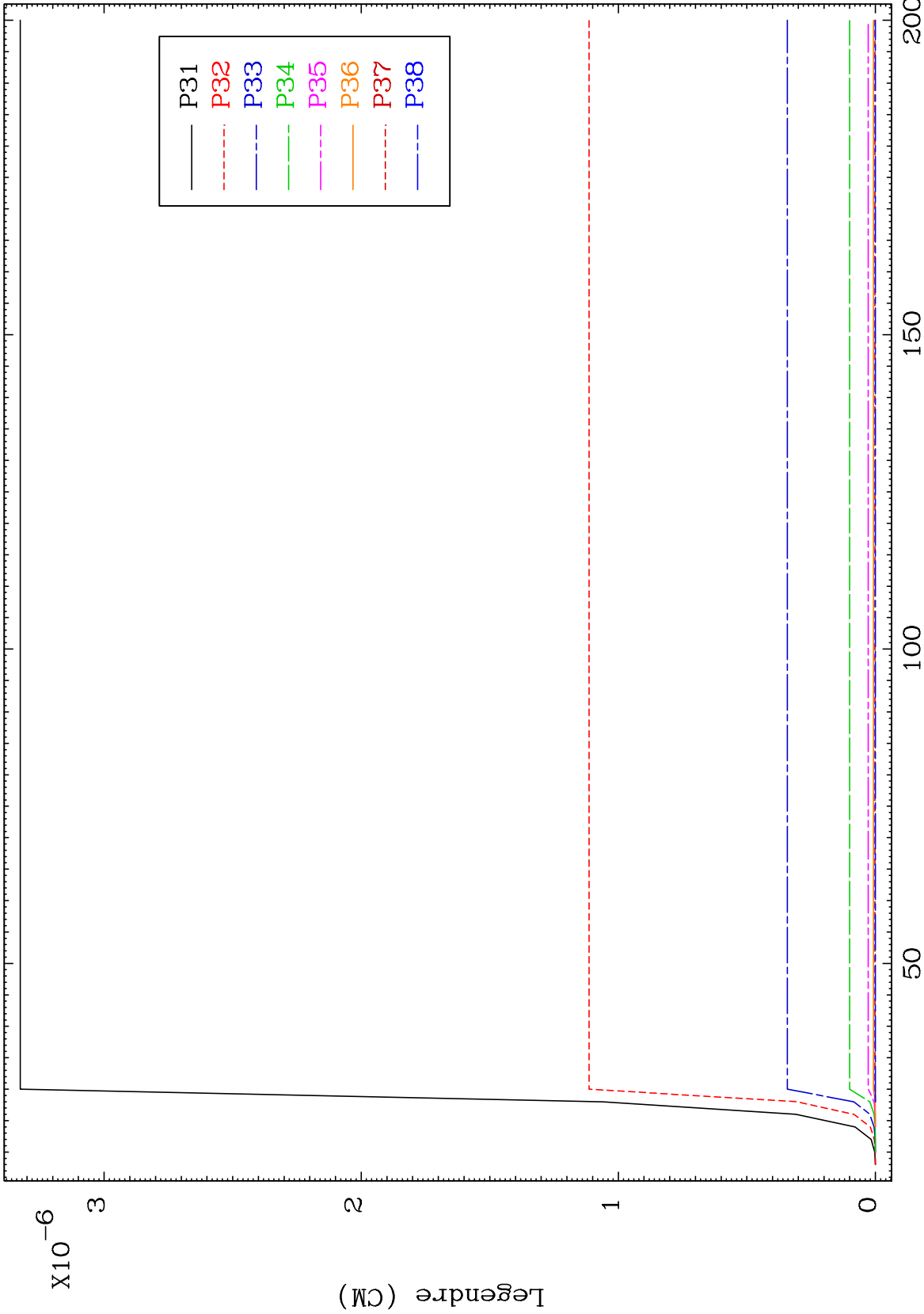
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



27

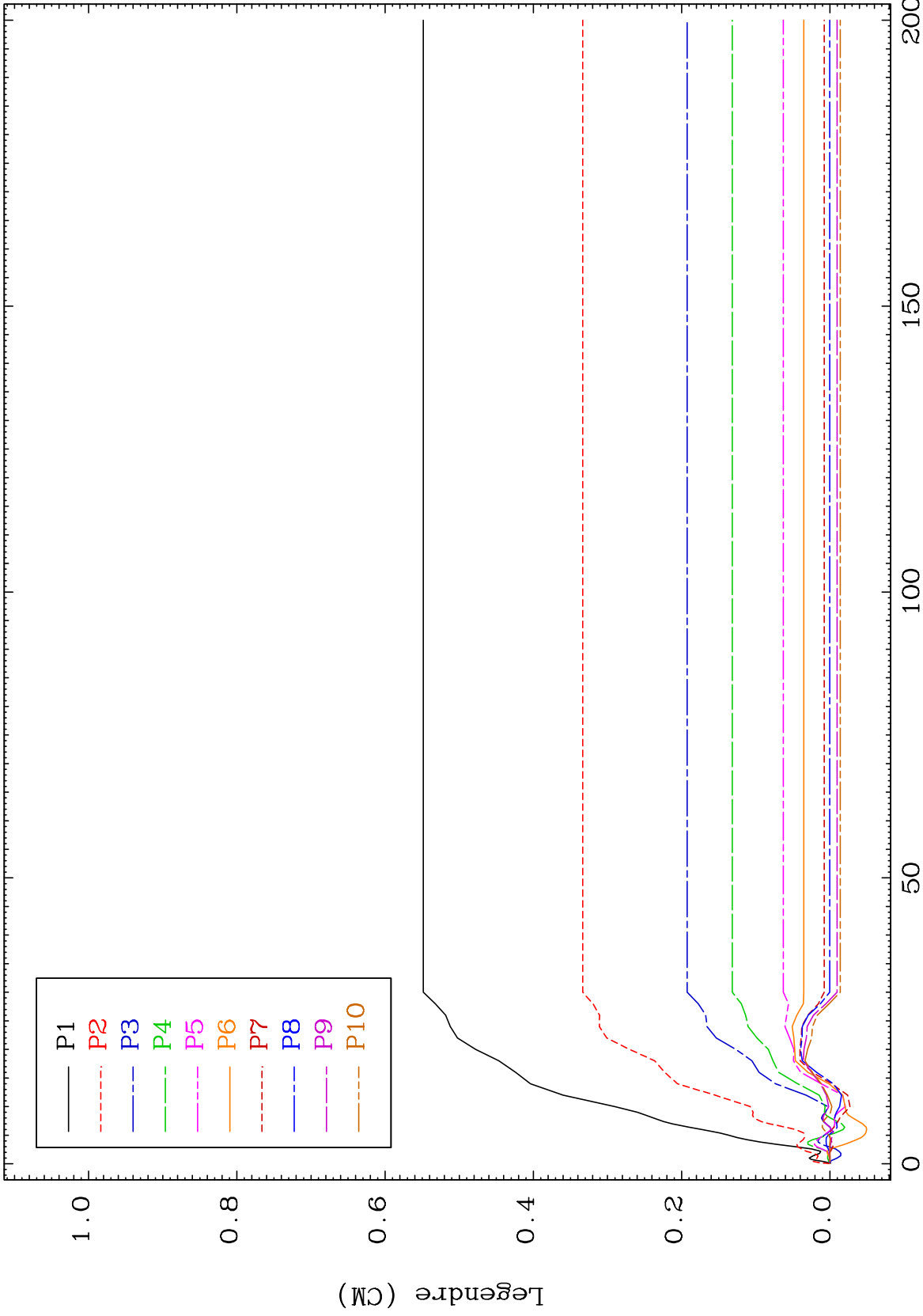
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



28

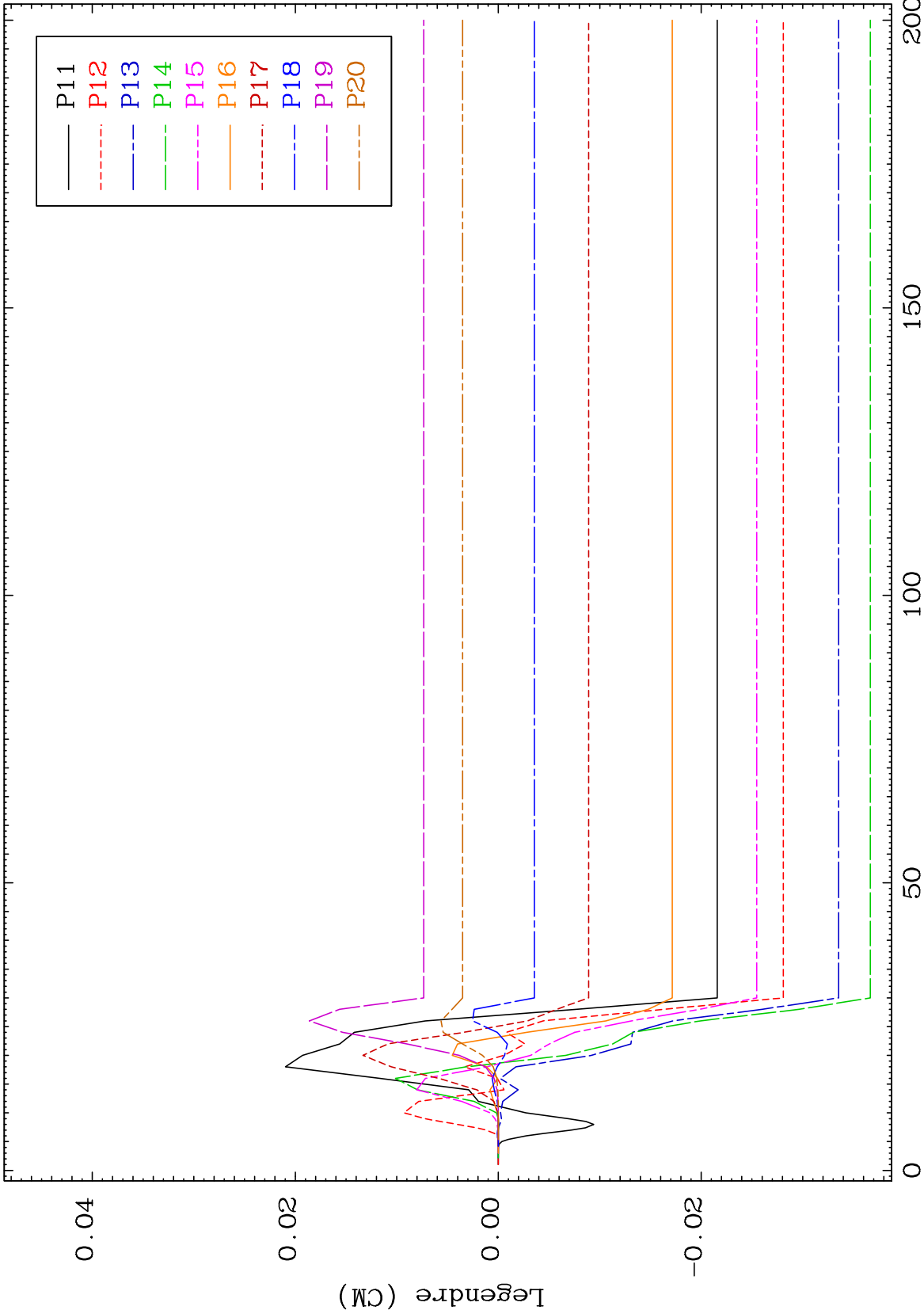
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



29

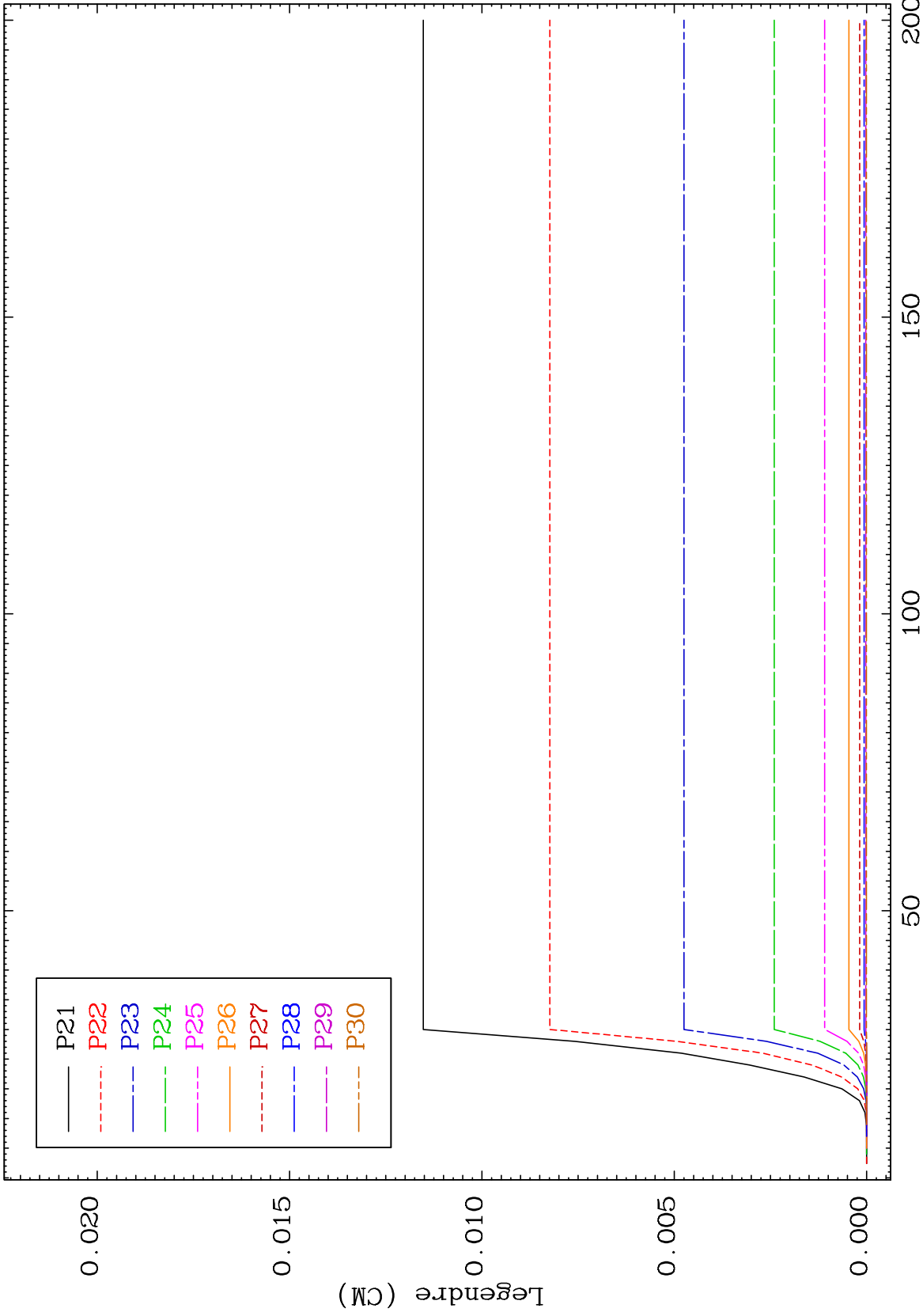
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



30

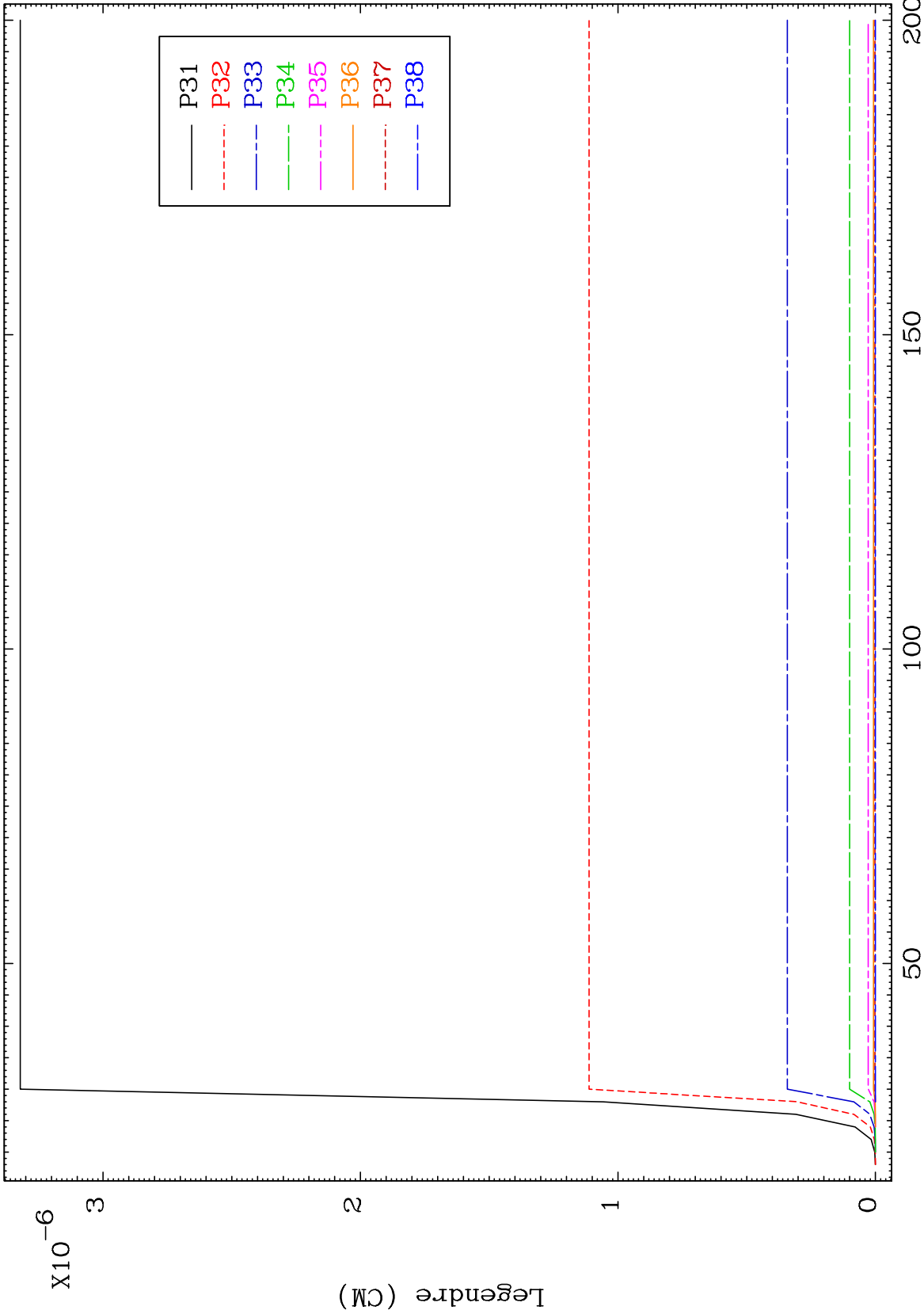
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



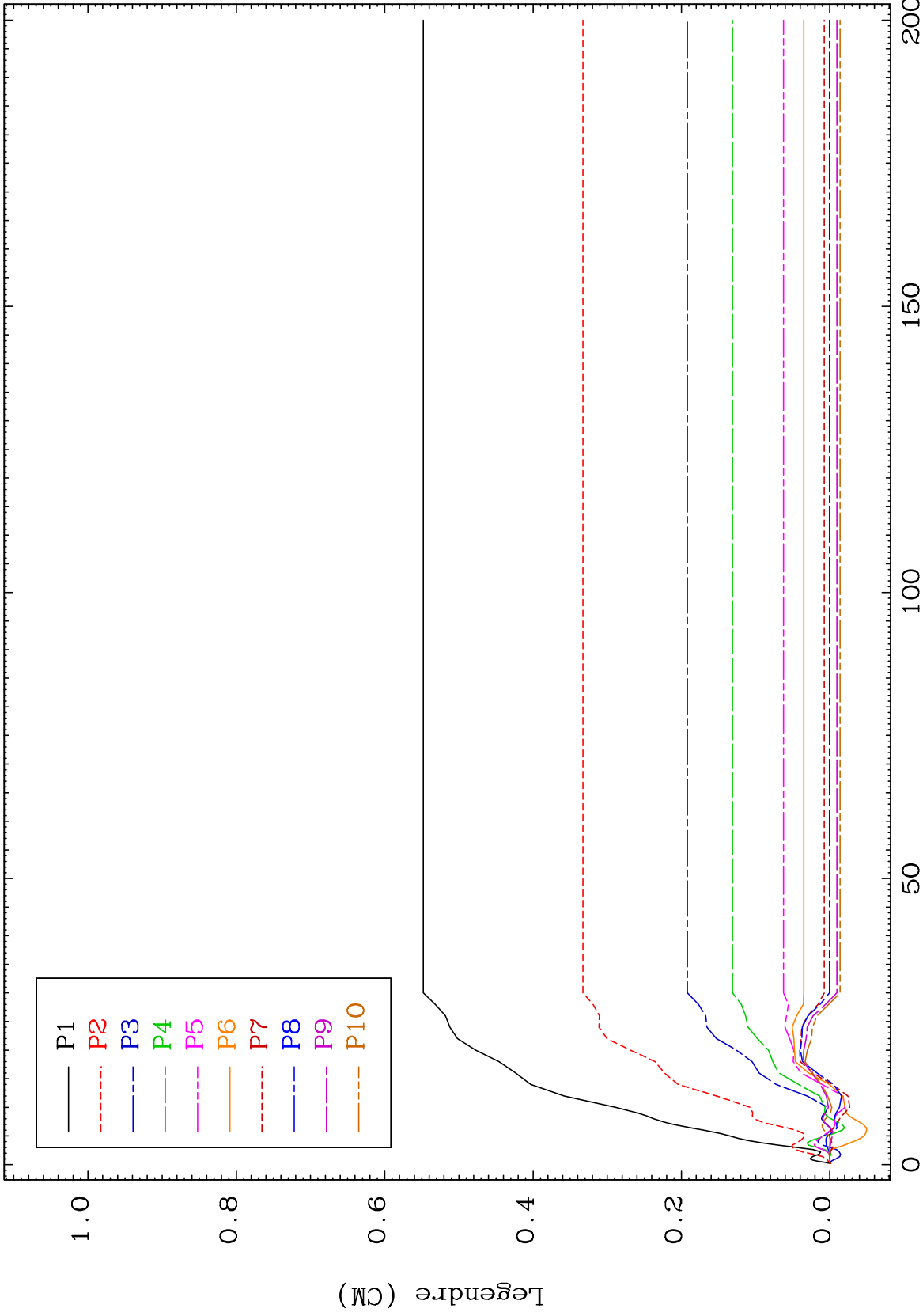
31

80-Hg-201

MAT 8040

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

80-Hg-201



32

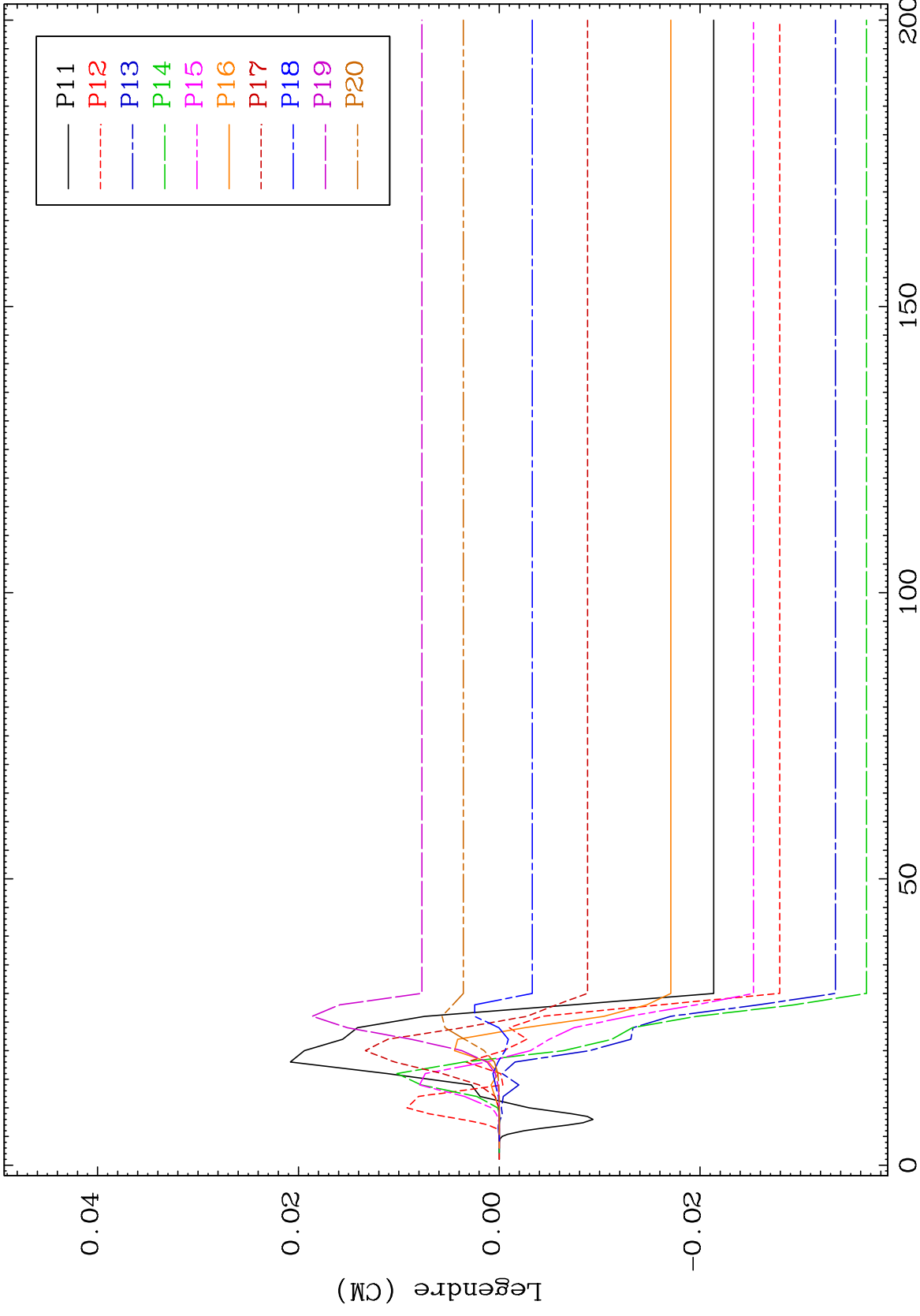
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



33

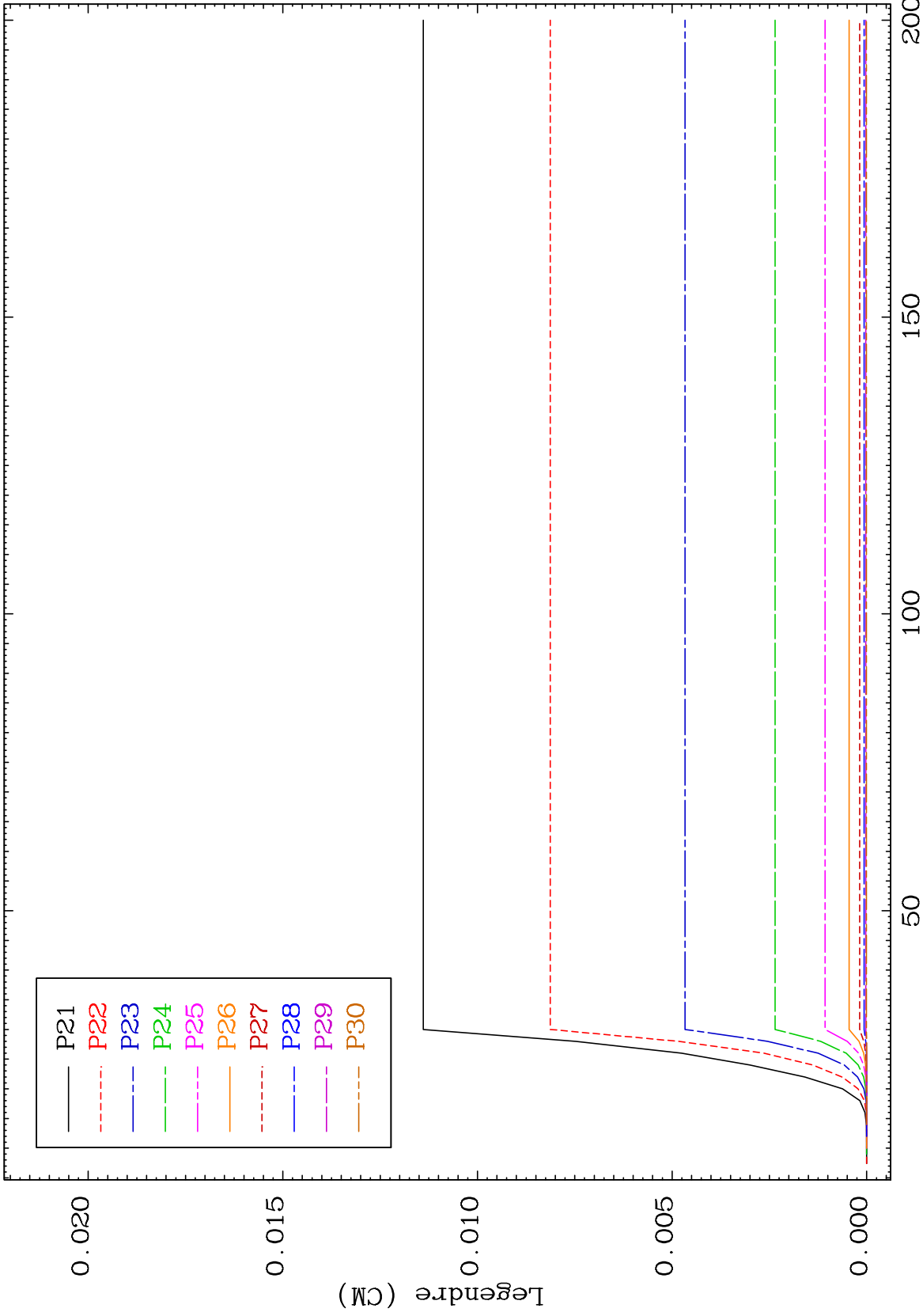
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



34

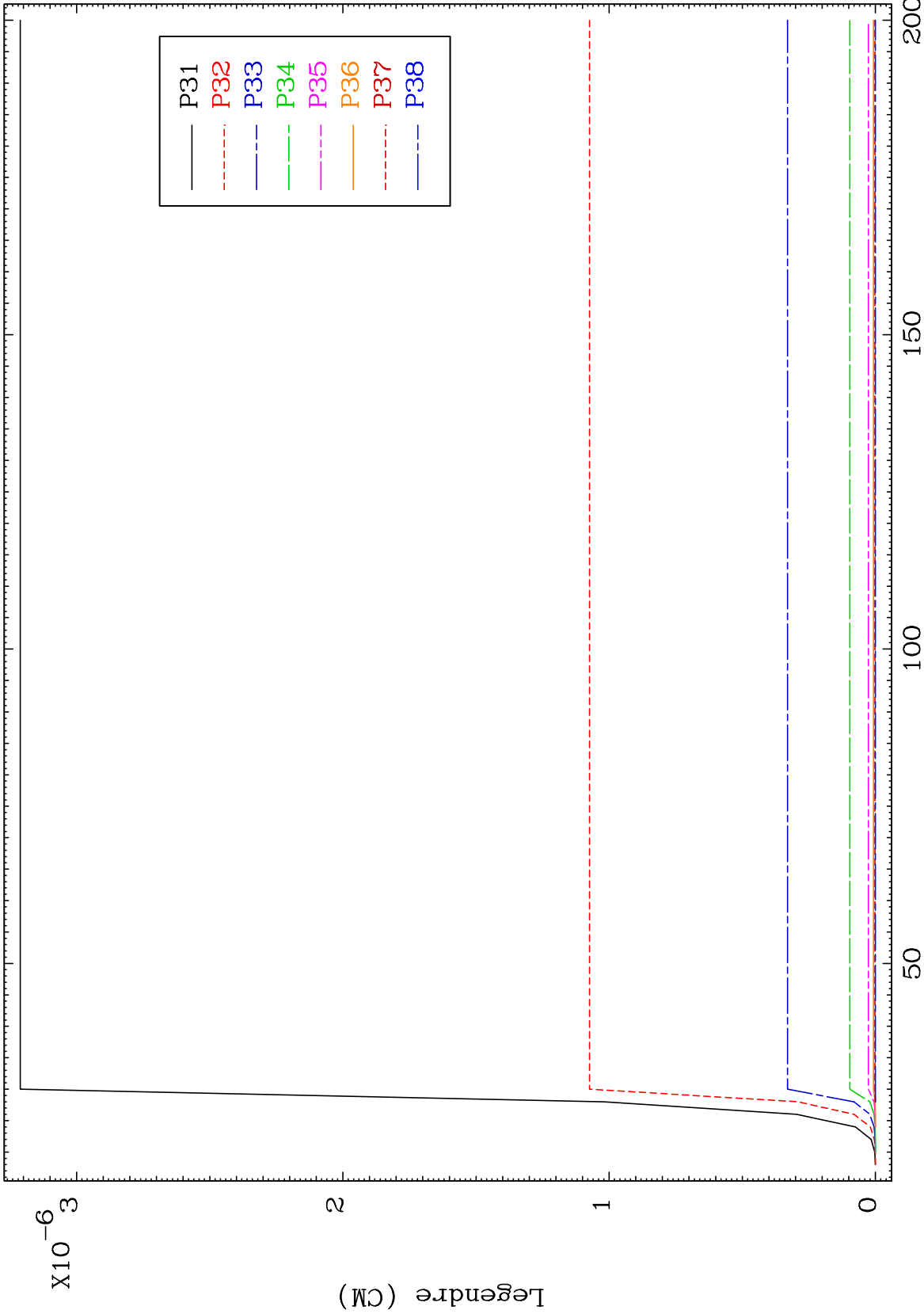
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201

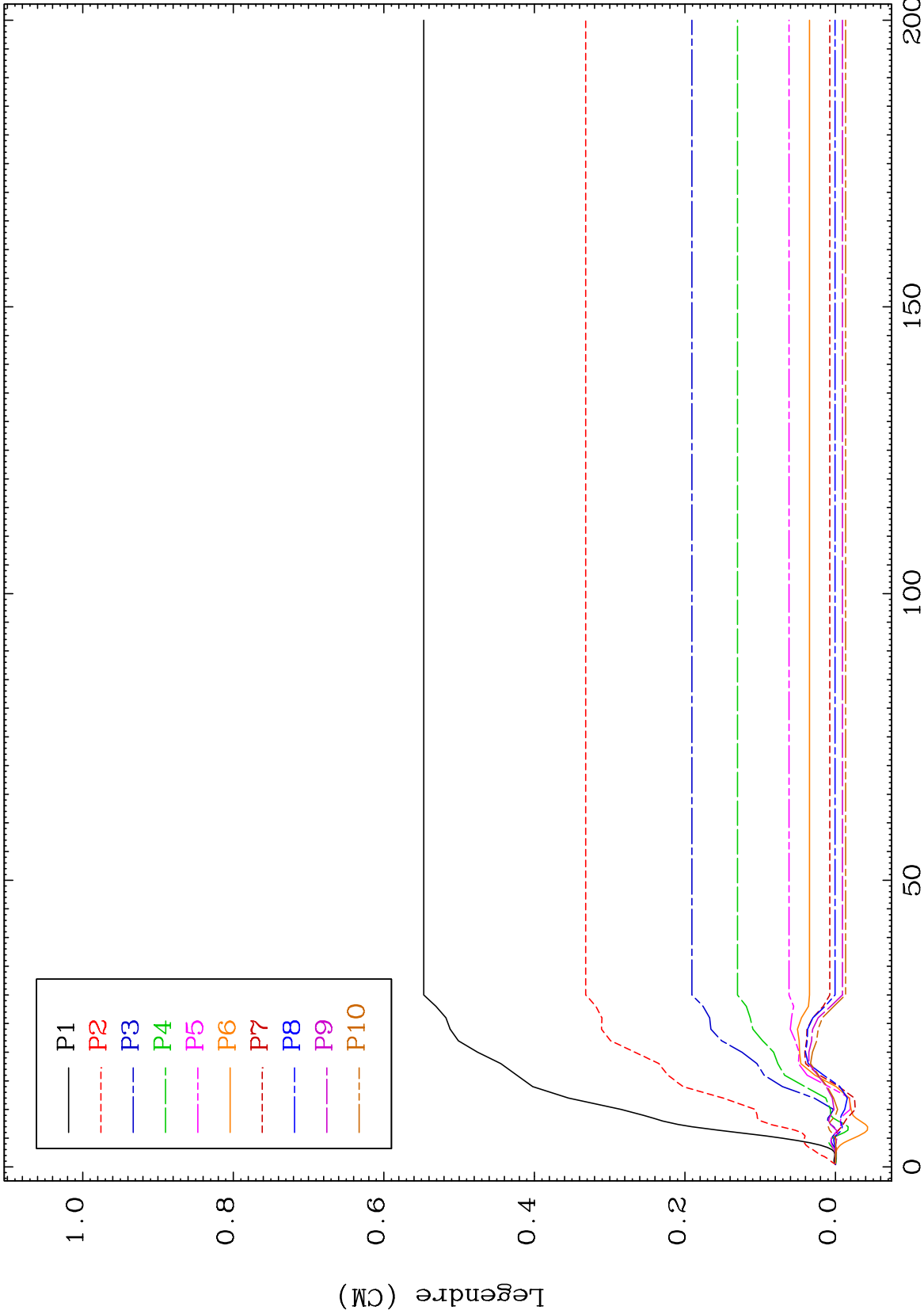


35

Incident Energy (MeV)

80-Hg-201

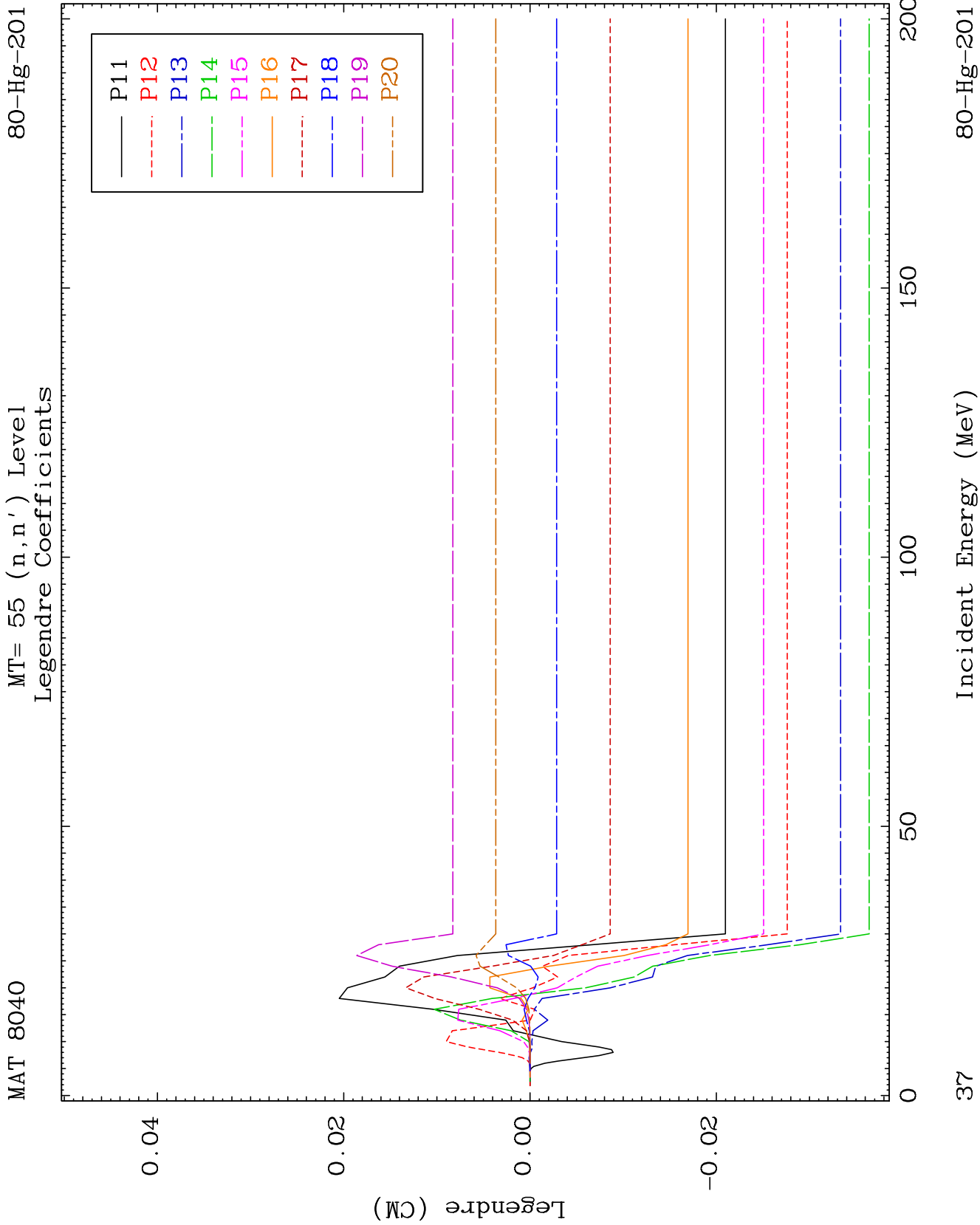
MAT 8040 MT= 55 (n,n') Level Legendre Coefficients 80-Hg-201



80-Hg-201

Incident Energy (MeV)

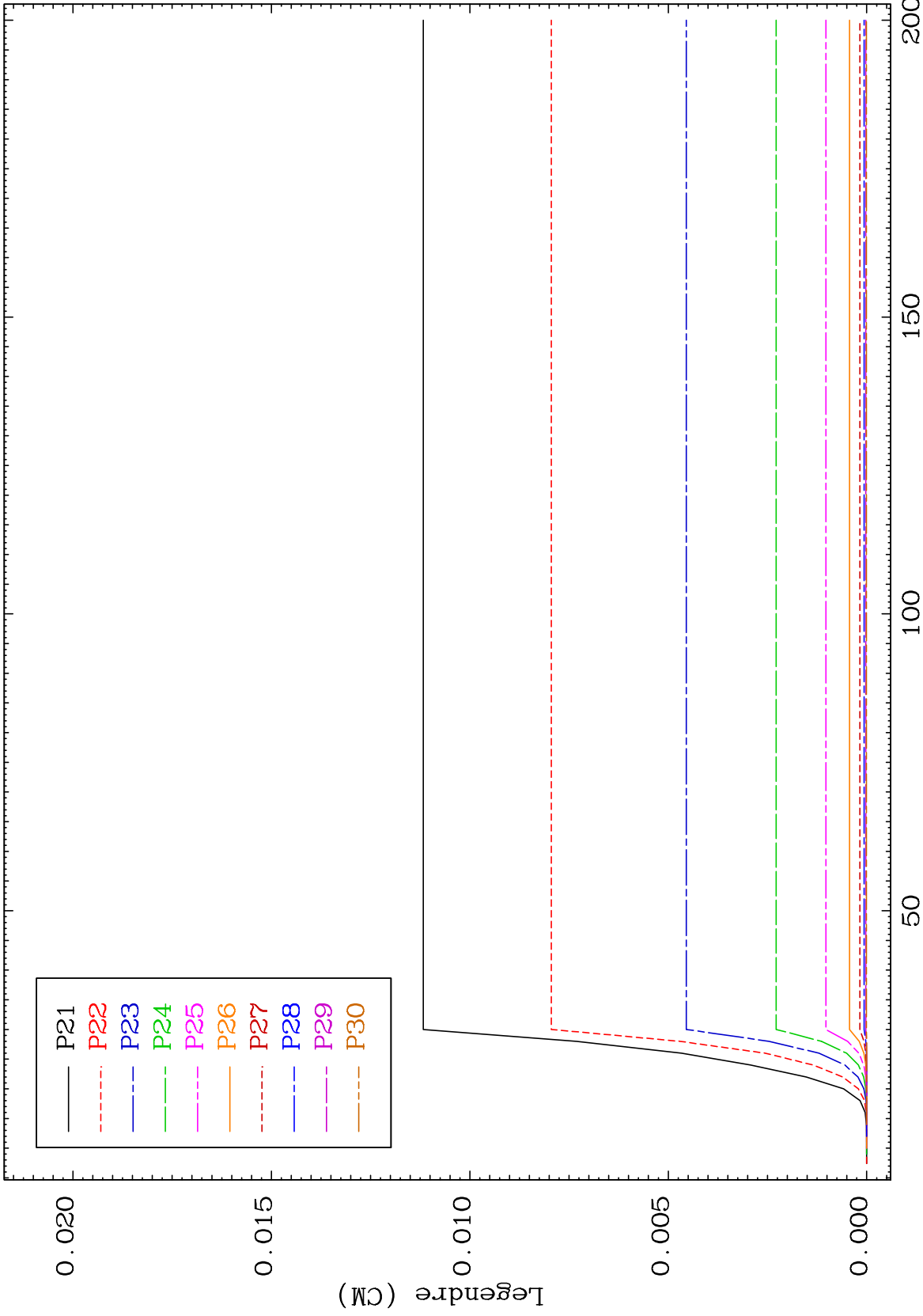
36



MAT 8040

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

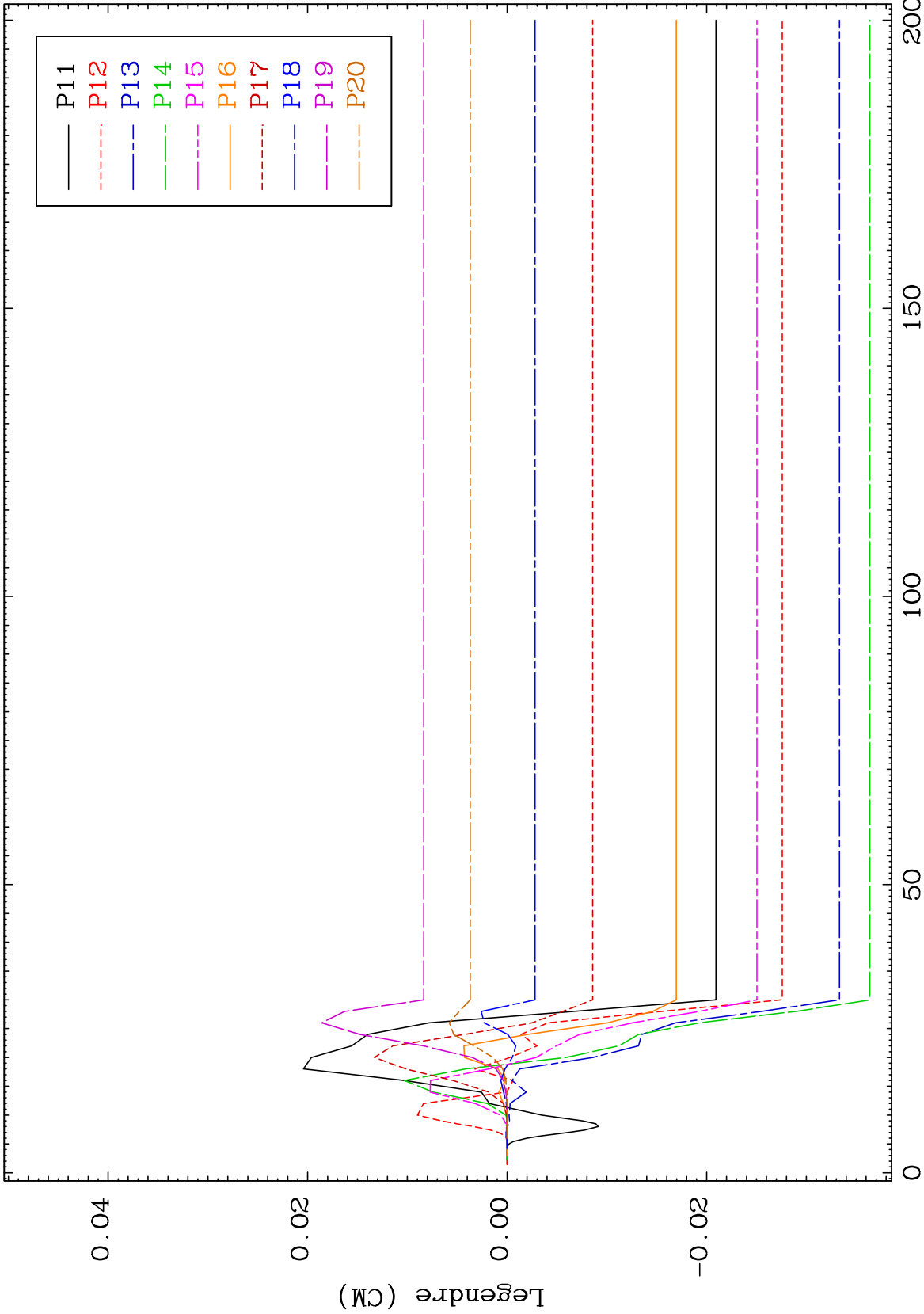
80-Hg-201



MAT 8040

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

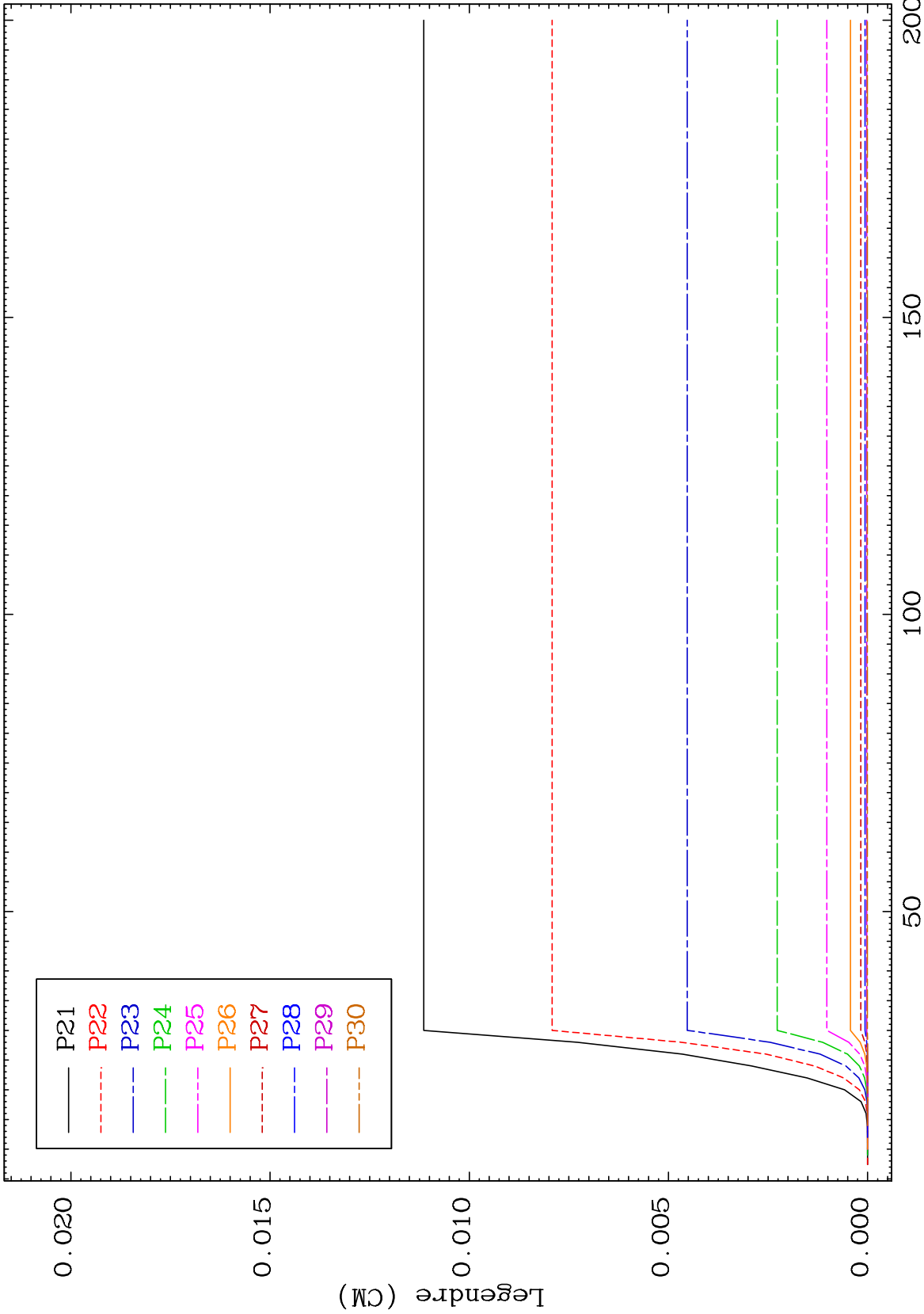
80-Hg-201



MAT 8040

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

80-Hg-201



42

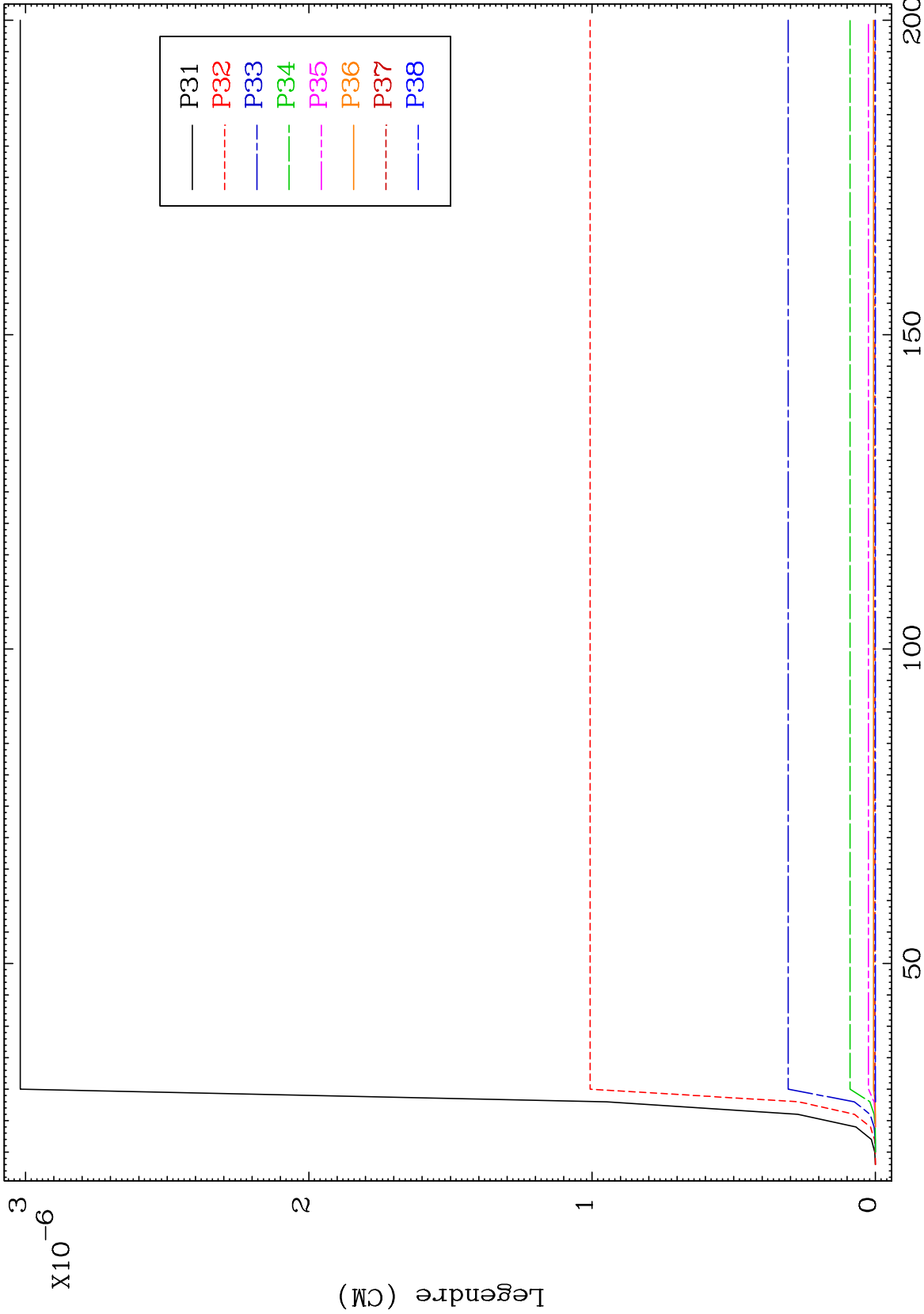
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

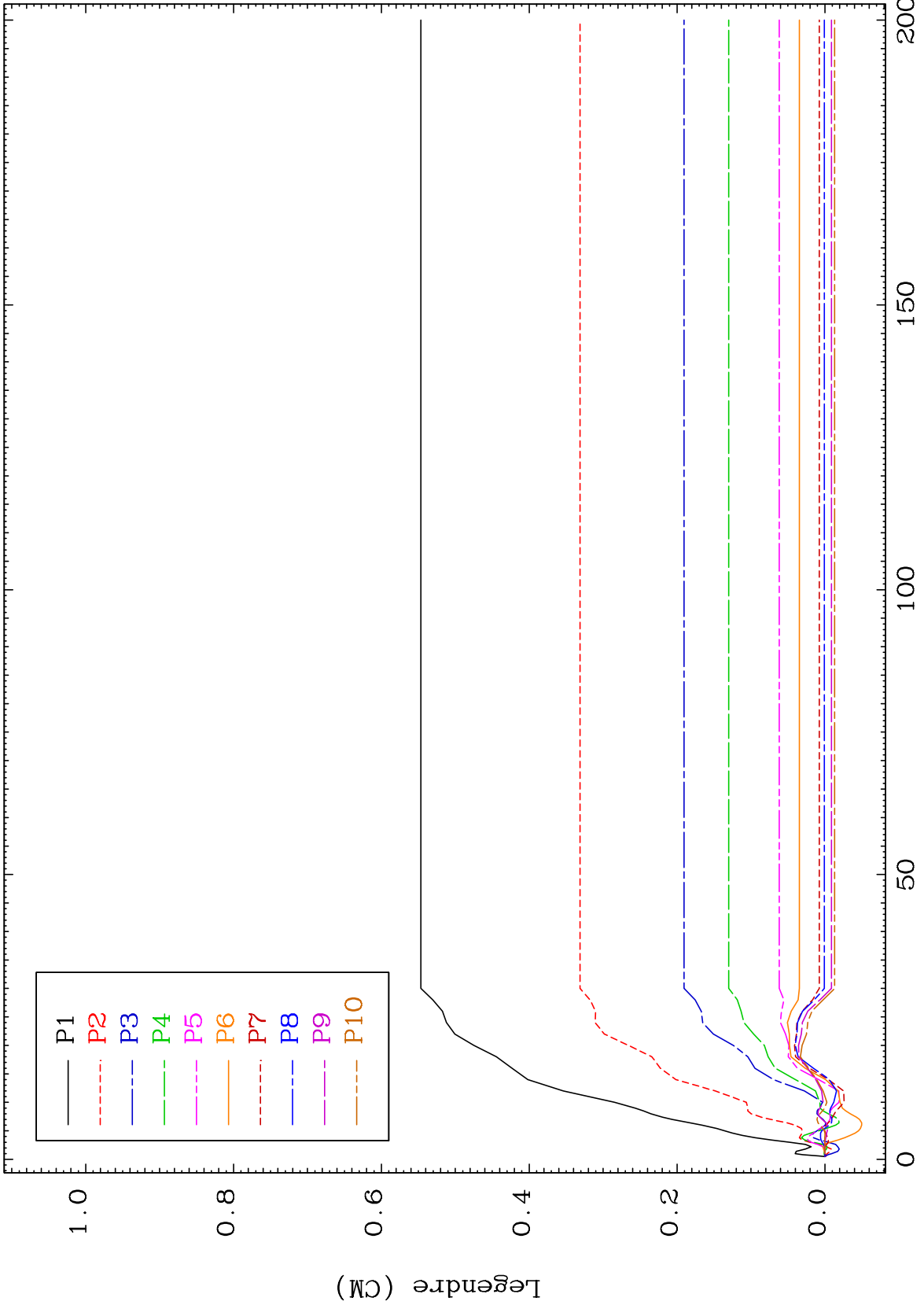
80-Hg-201



43

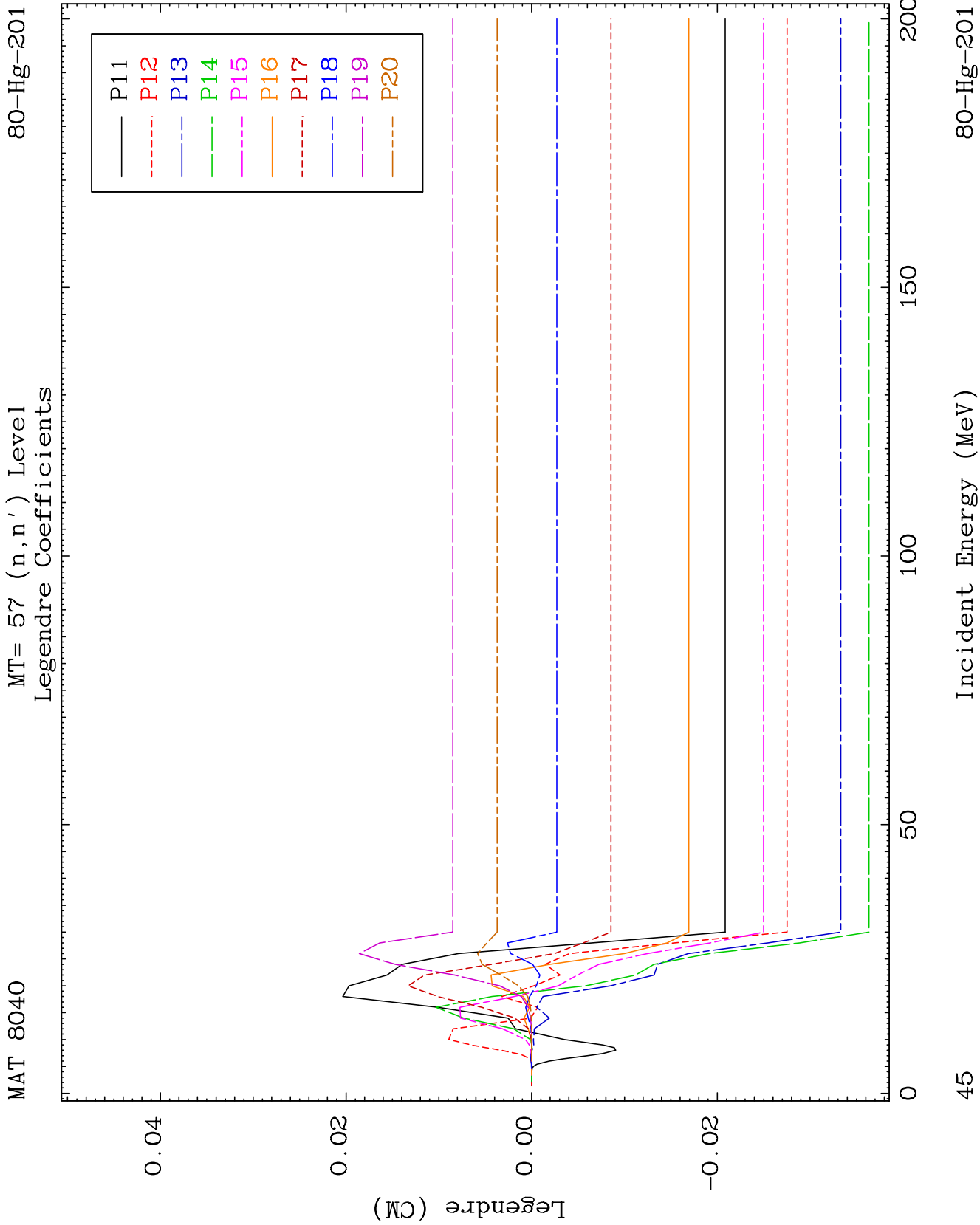
80-Hg-201

MAT 8040 MT= 57 (n,n') Level Legendre Coefficients 80-Hg-201



80-Hg-201

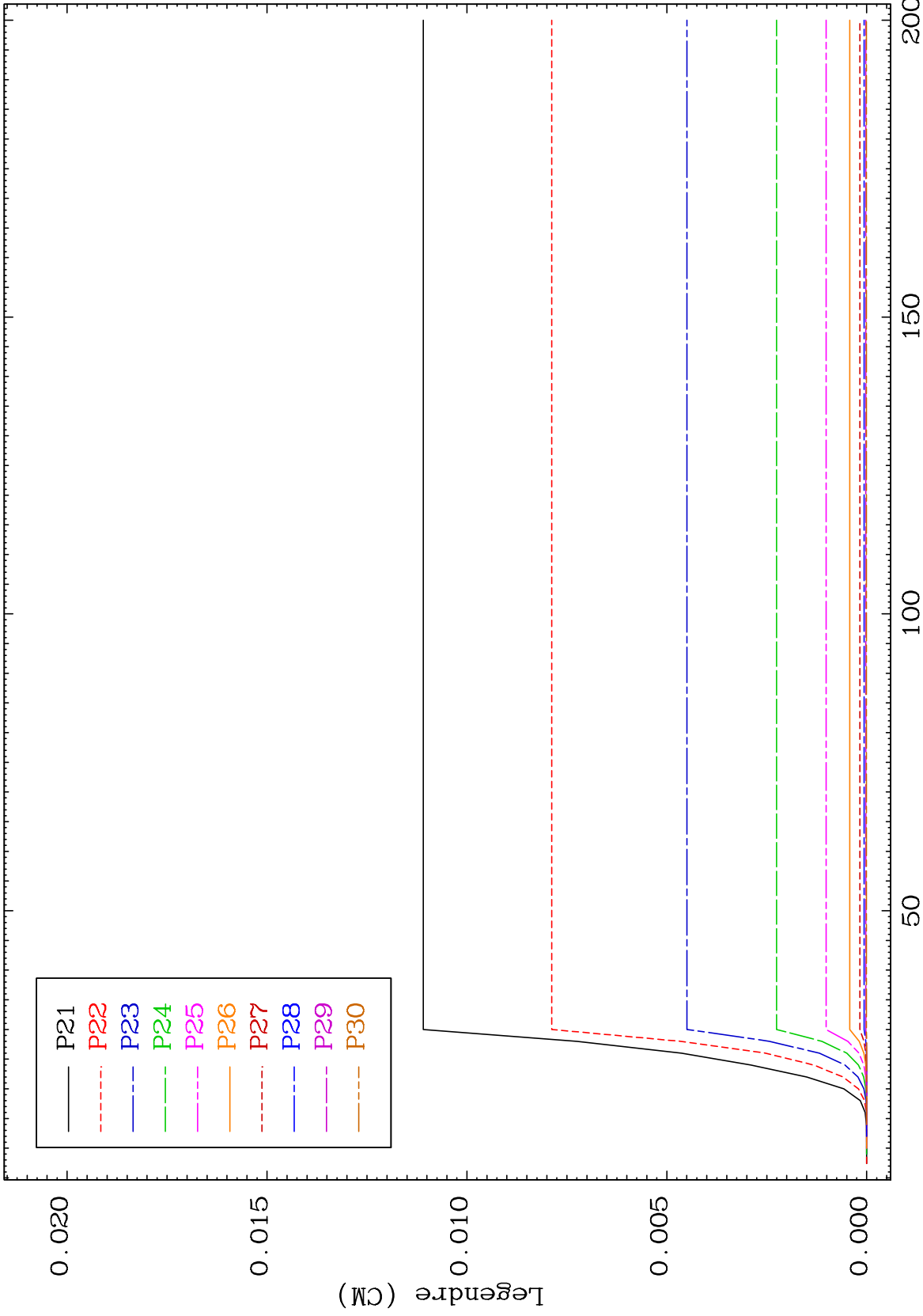
Incident Energy (MeV)



MAT 8040

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

80-Hg-201



46

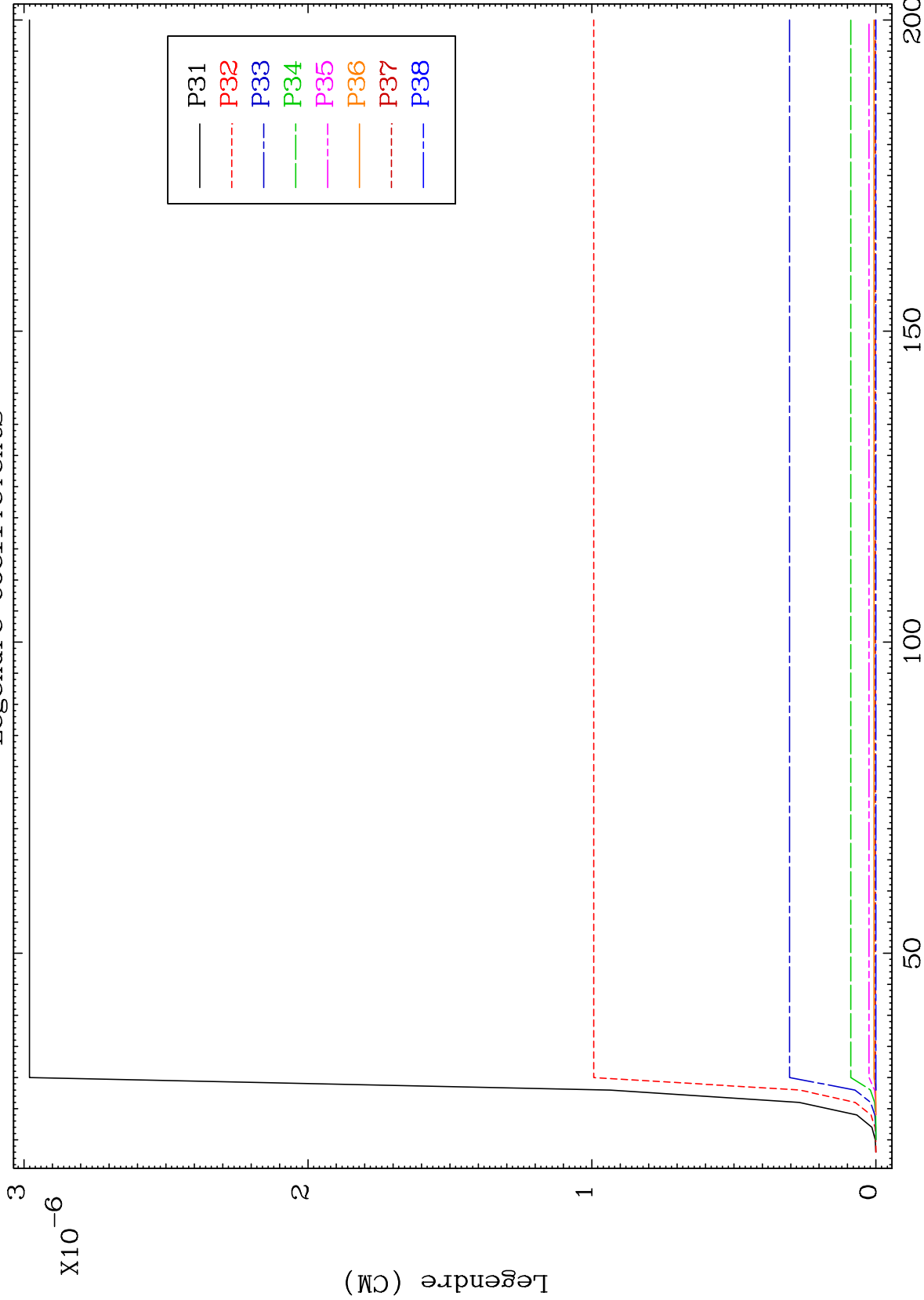
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



47

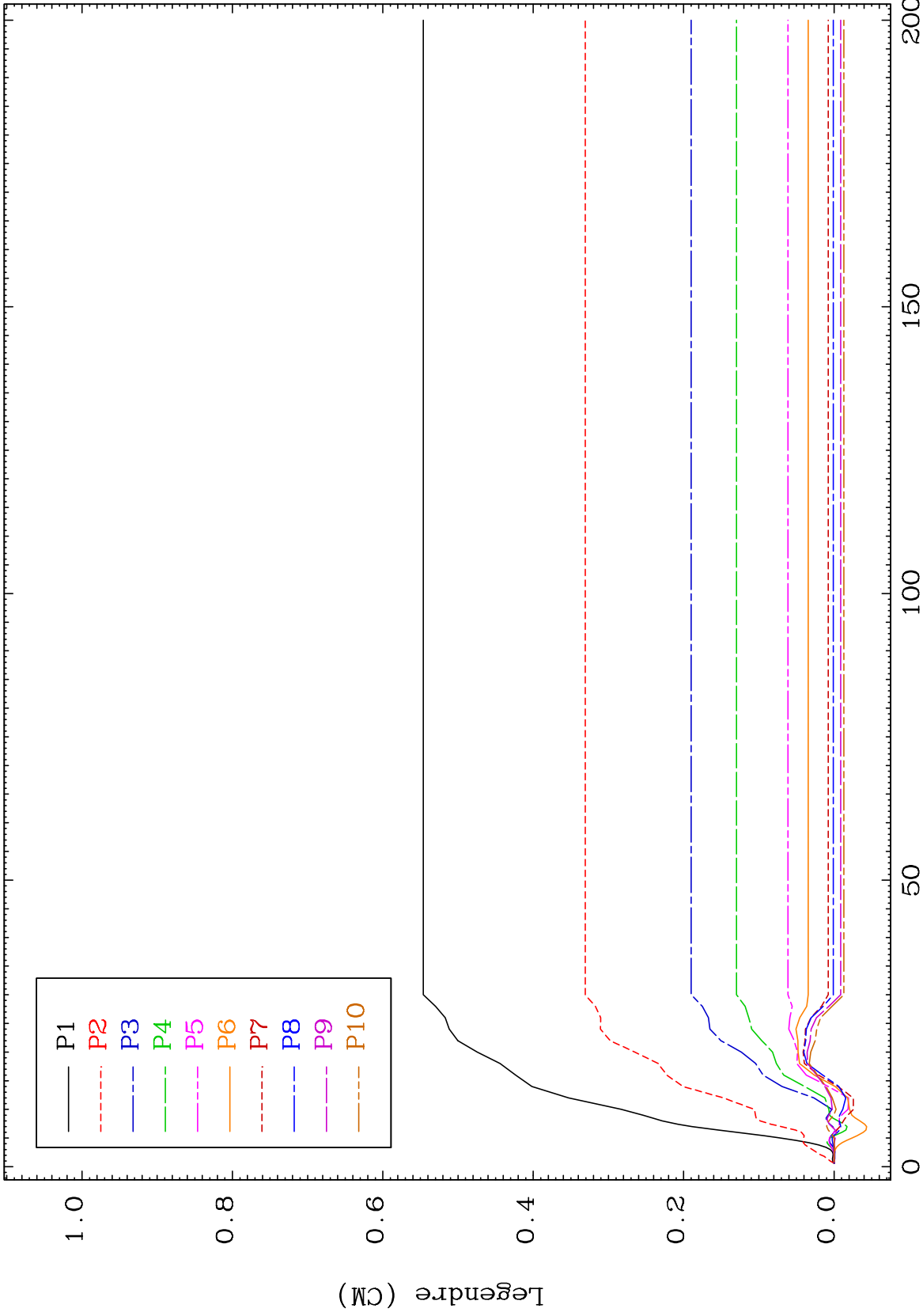
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



48

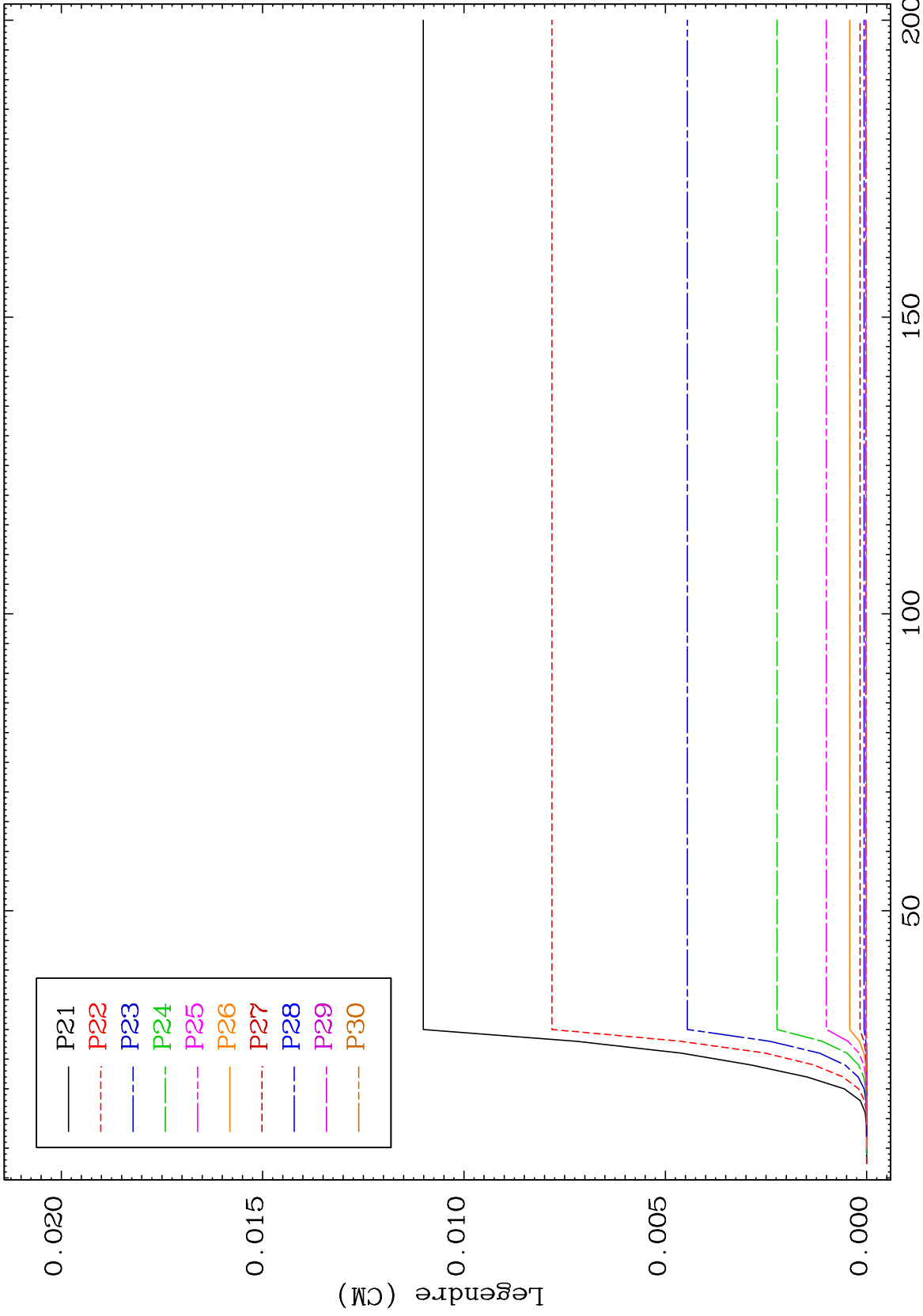
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



50

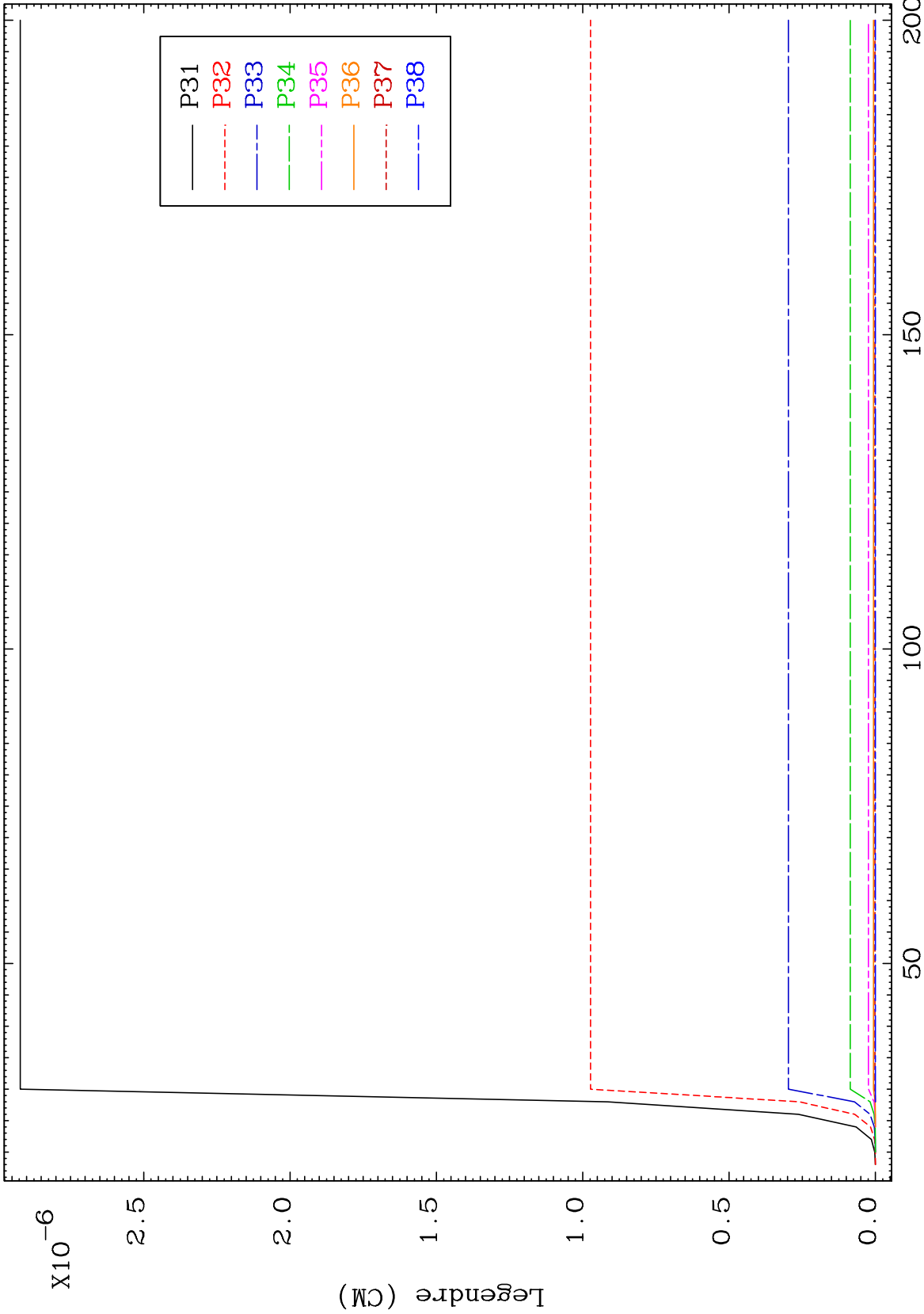
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

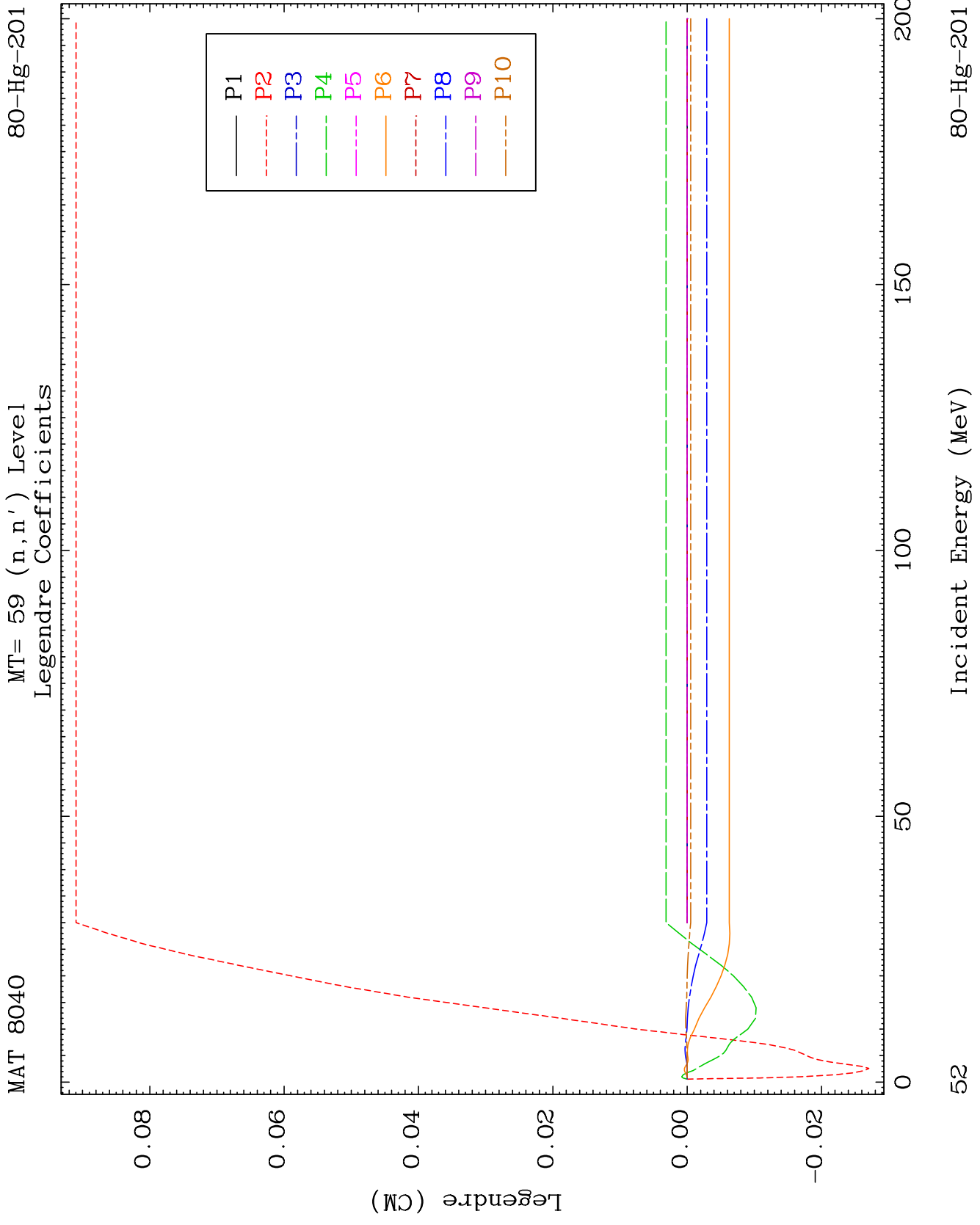
80-Hg-201



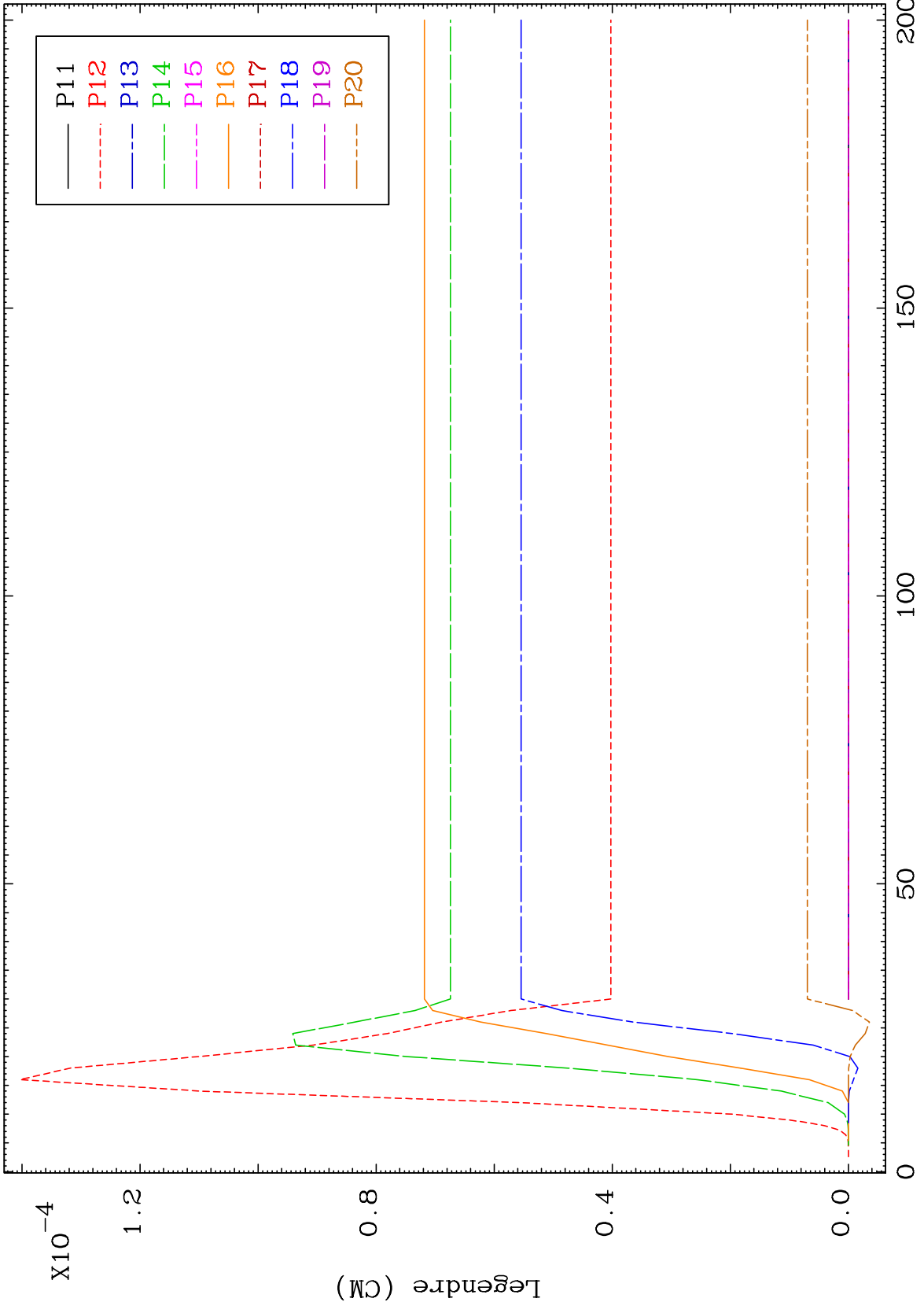
51

Incident Energy (MeV)

80-Hg-201

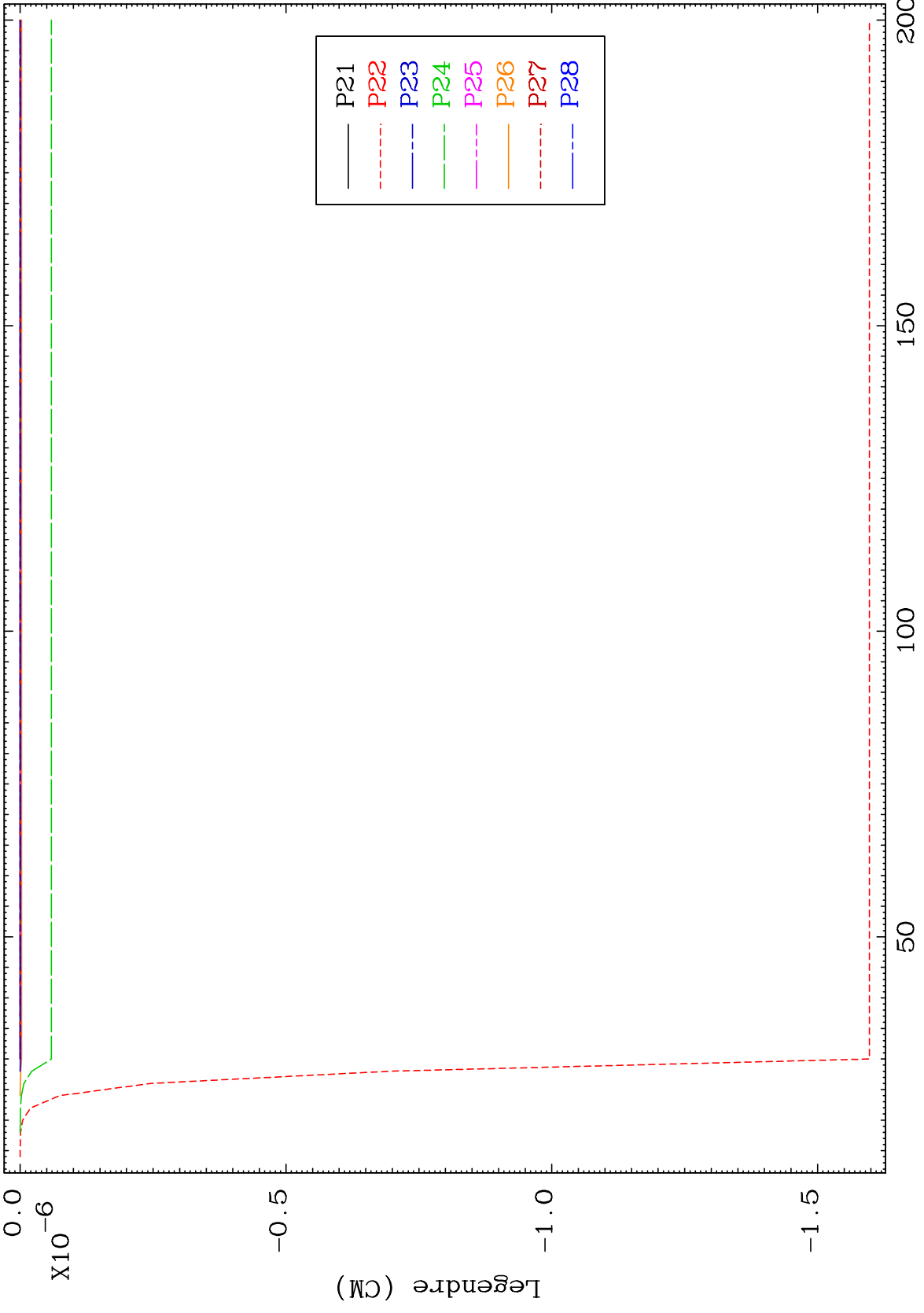


MAT 8040 MT= 59 (n,n') Level Legendre Coefficients 80-Hg-201

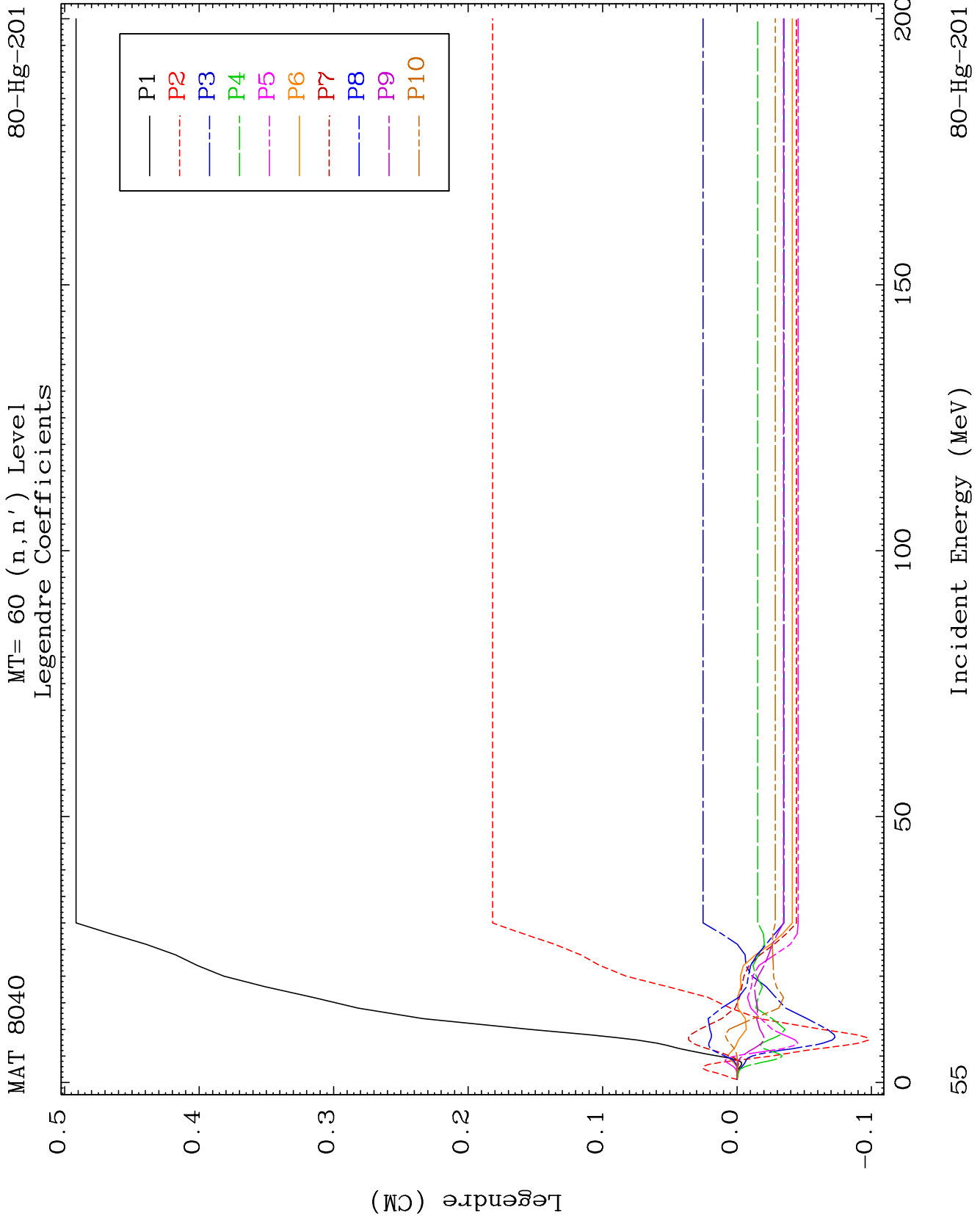


53 80-Hg-201

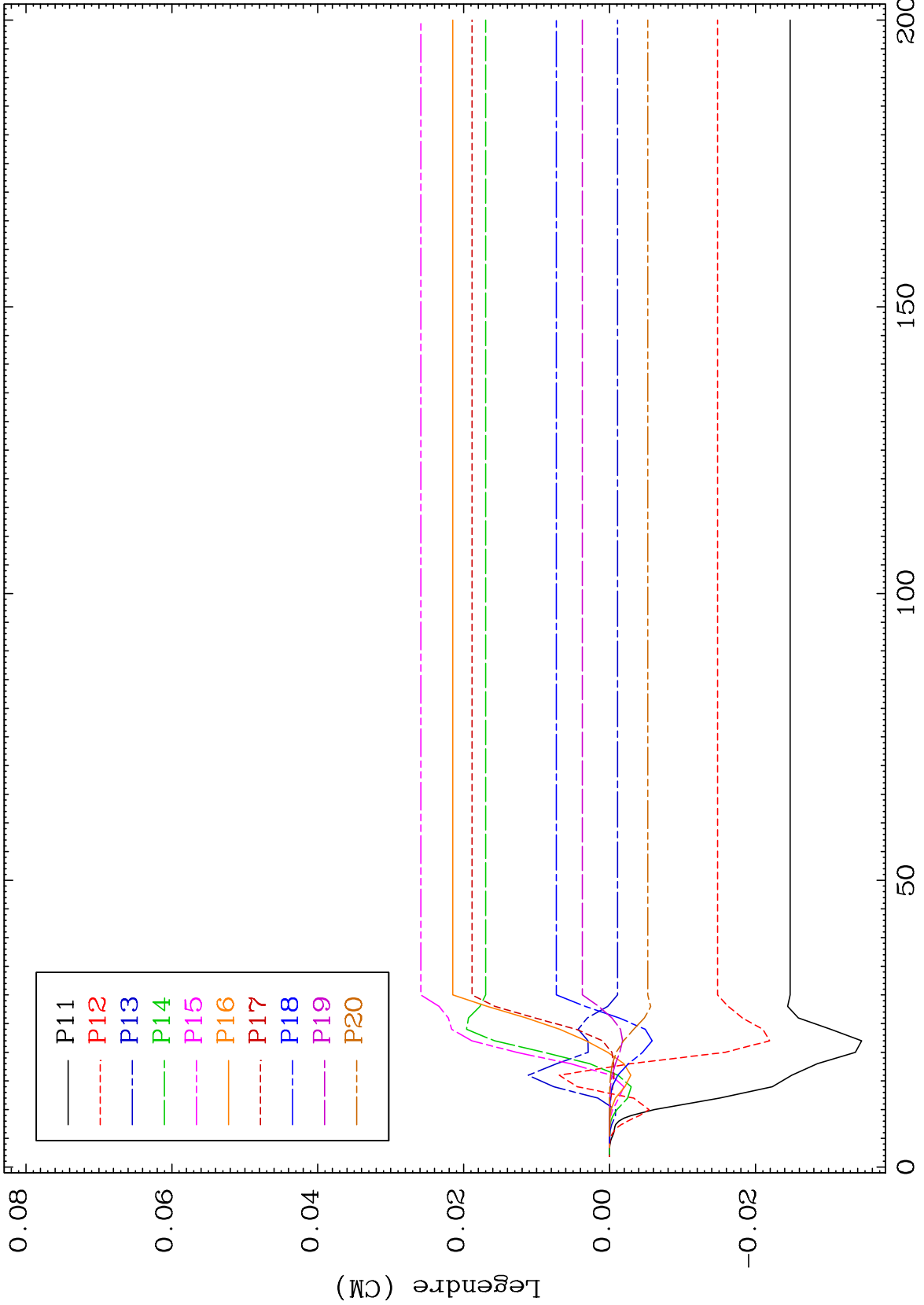
MAT 8040 MT= 59 (n,n') Level Legendre Coefficients 80-Hg-201



54 Incident Energy (MeV) 80-Hg-201



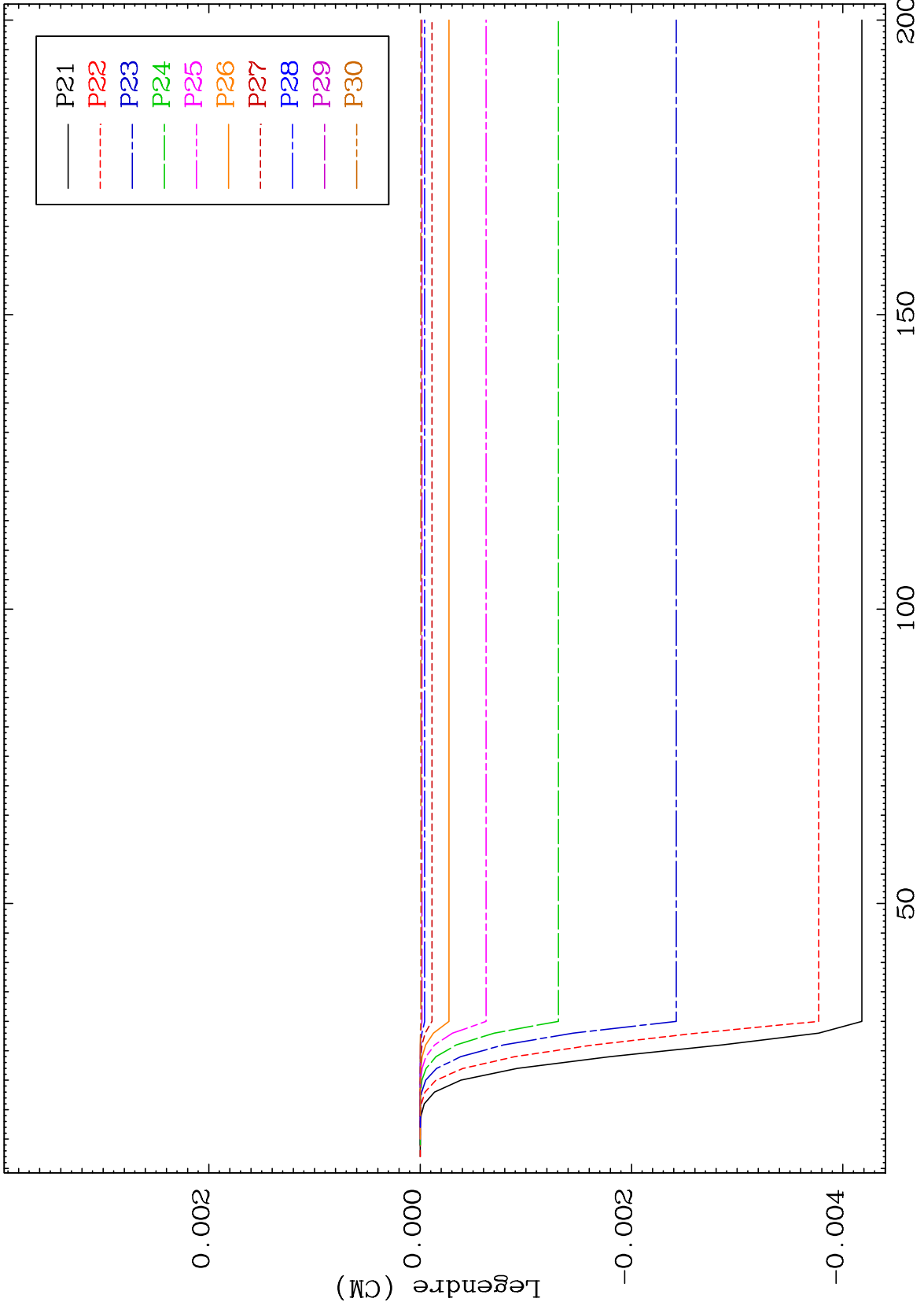
MAT 8040 MT= 60 (n,n') Level Legendre Coefficients 80-Hg-201

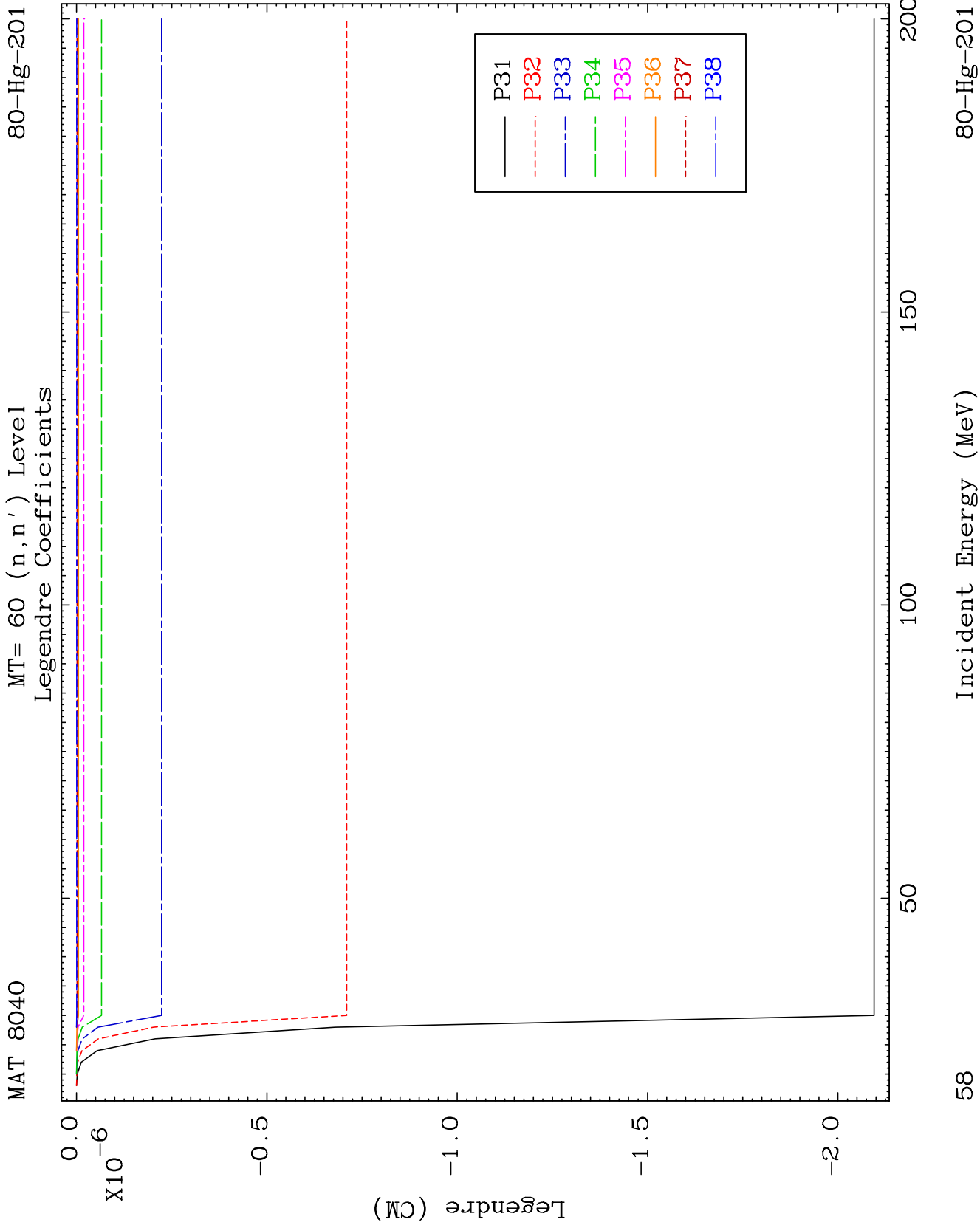


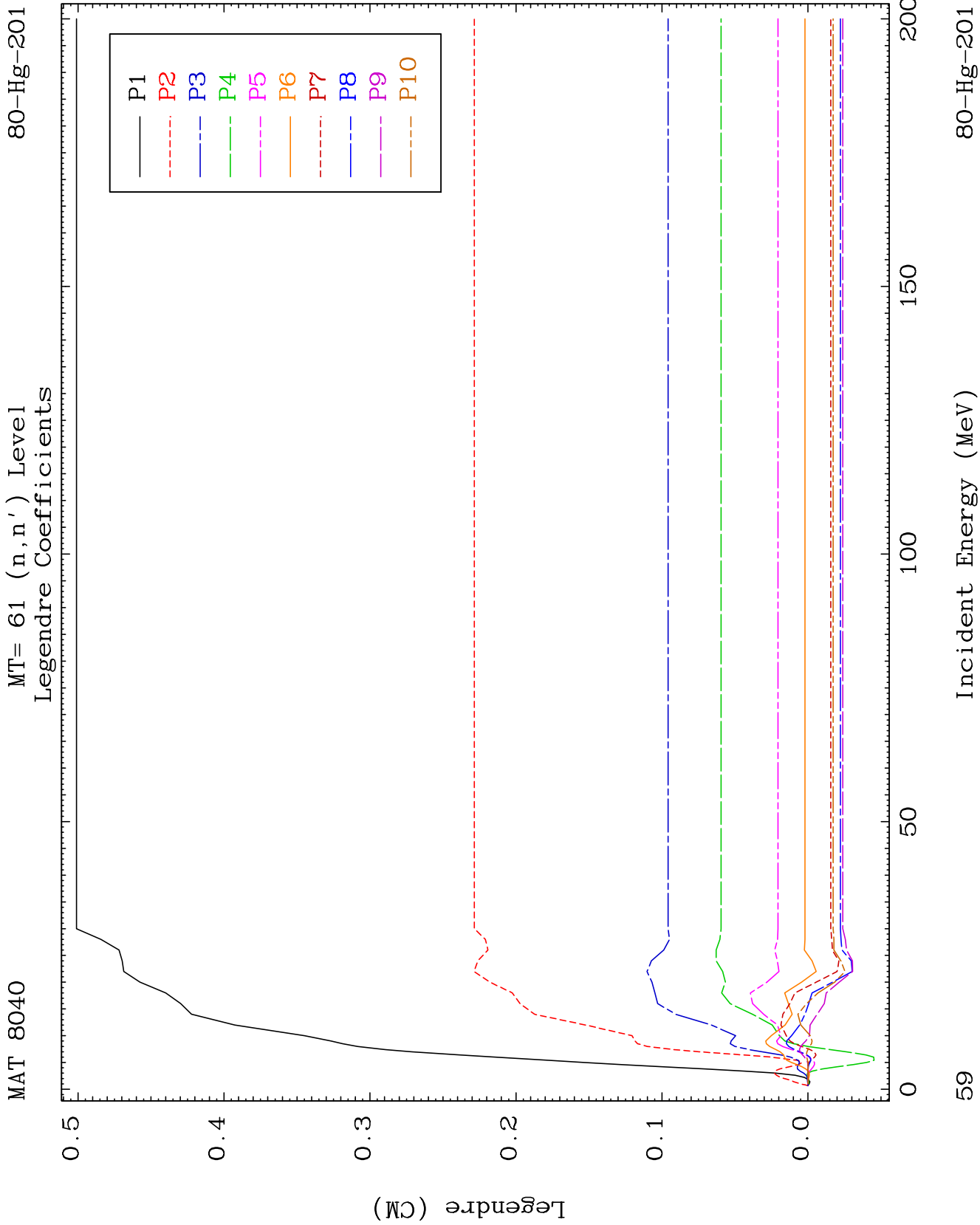
80-Hg-201

Incident Energy (MeV)

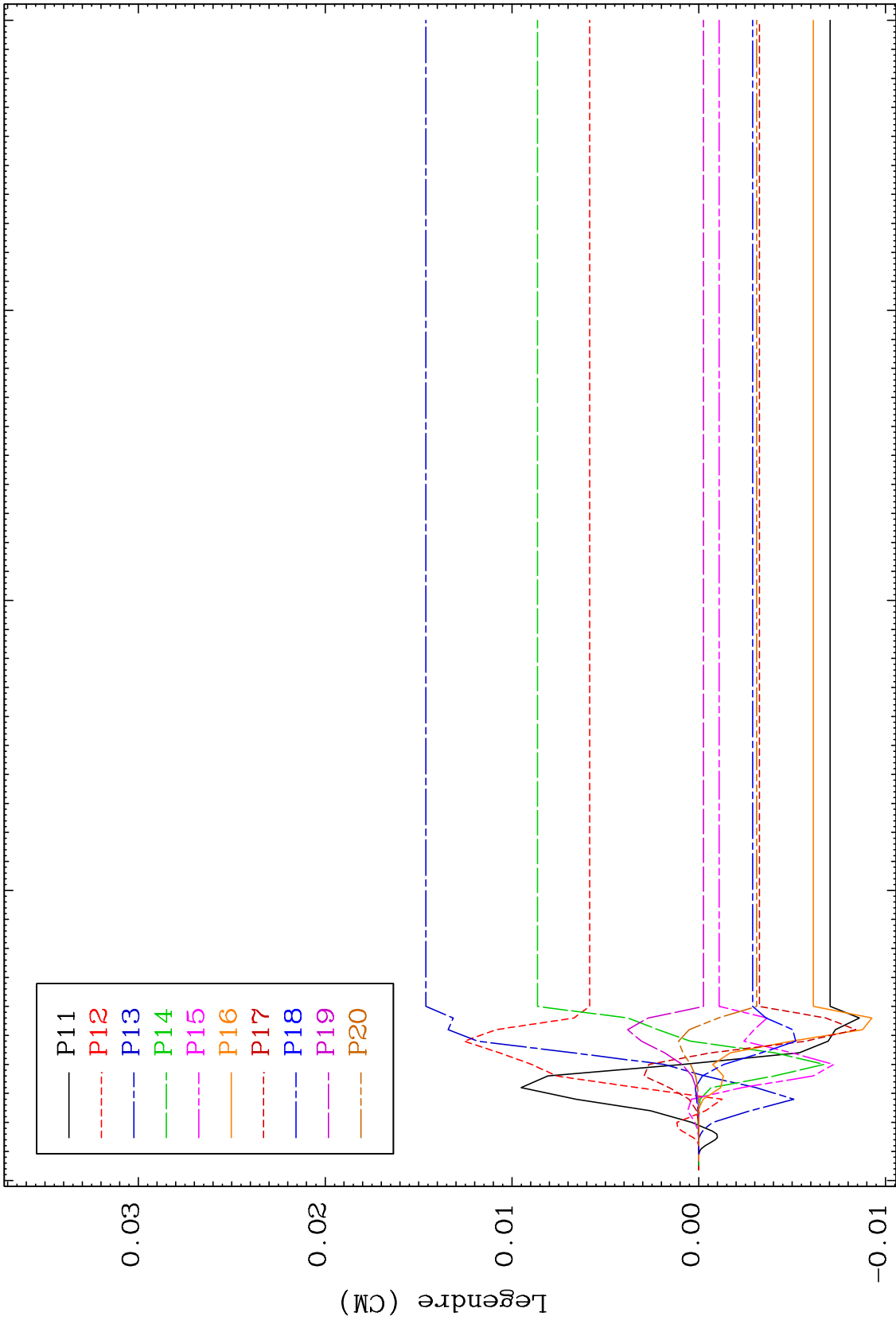
MAT 8040 MT= 60 (n,n') Level Legendre Coefficients 80-Hg-201





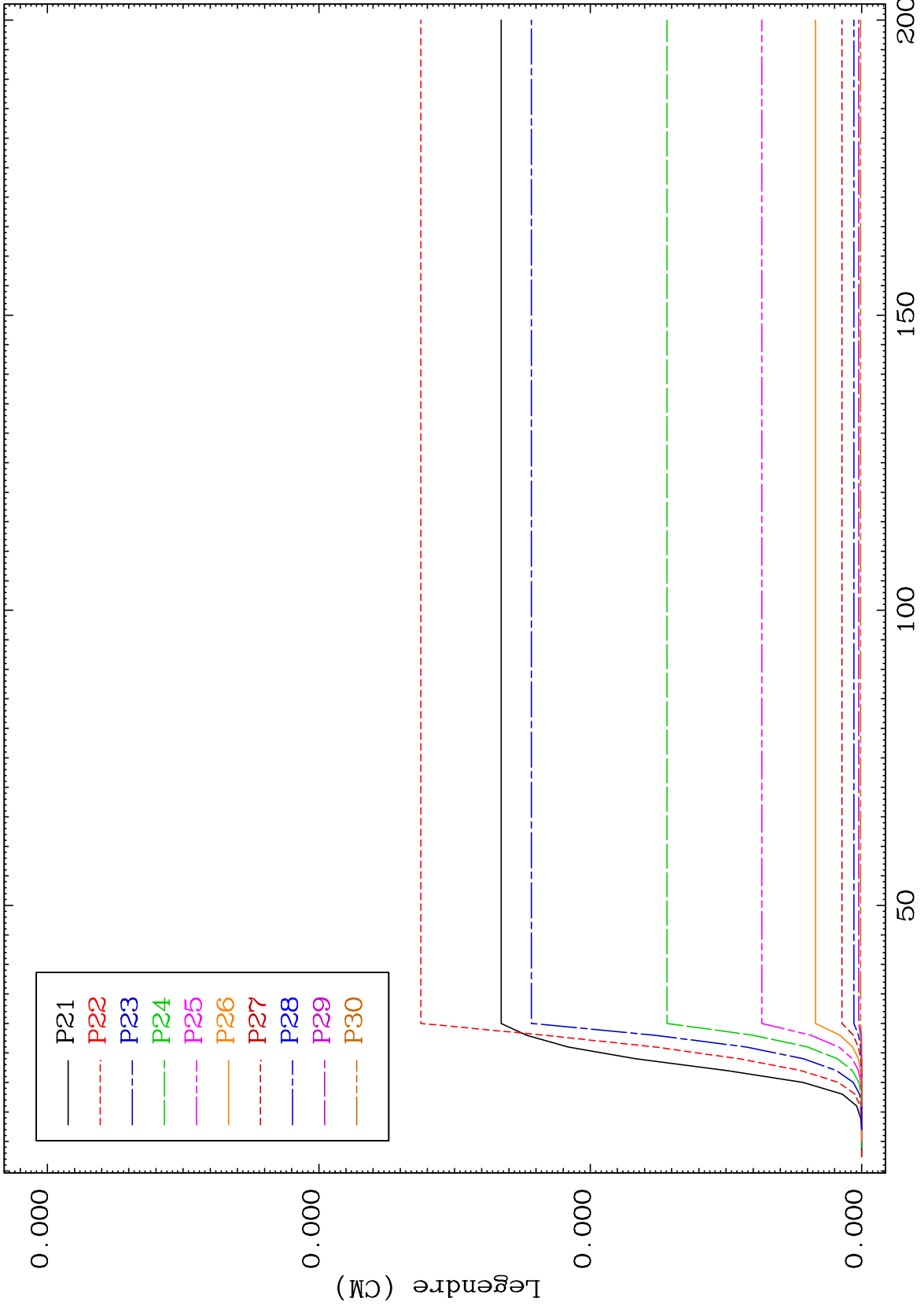


MAT 8040 MT= 61 (n,n') Level Legendre Coefficients 80-Hg-201



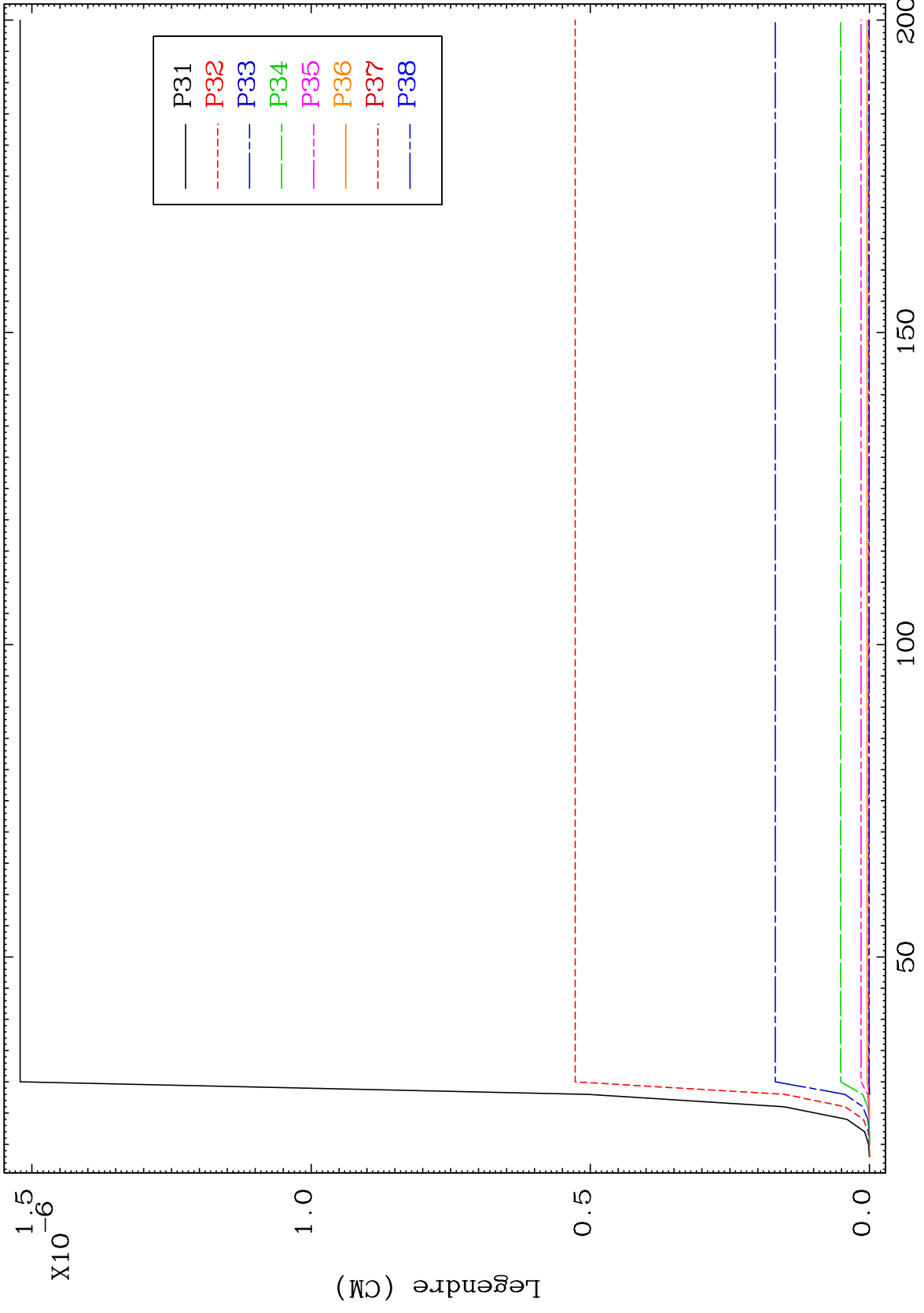
80-Hg-201

MAT 8040 MT= 61 (n,n') Level Legendre Coefficients 80-Hg-201

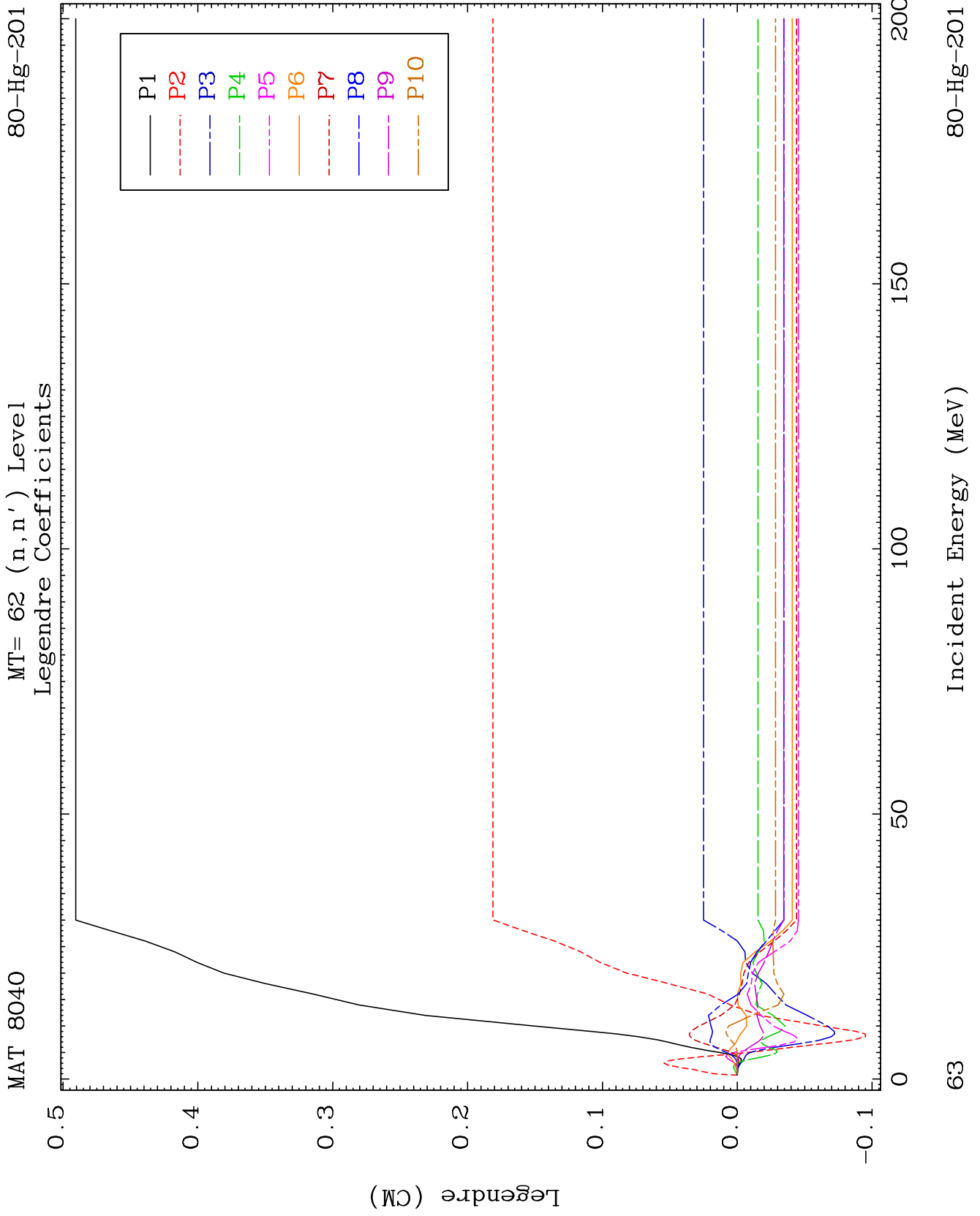


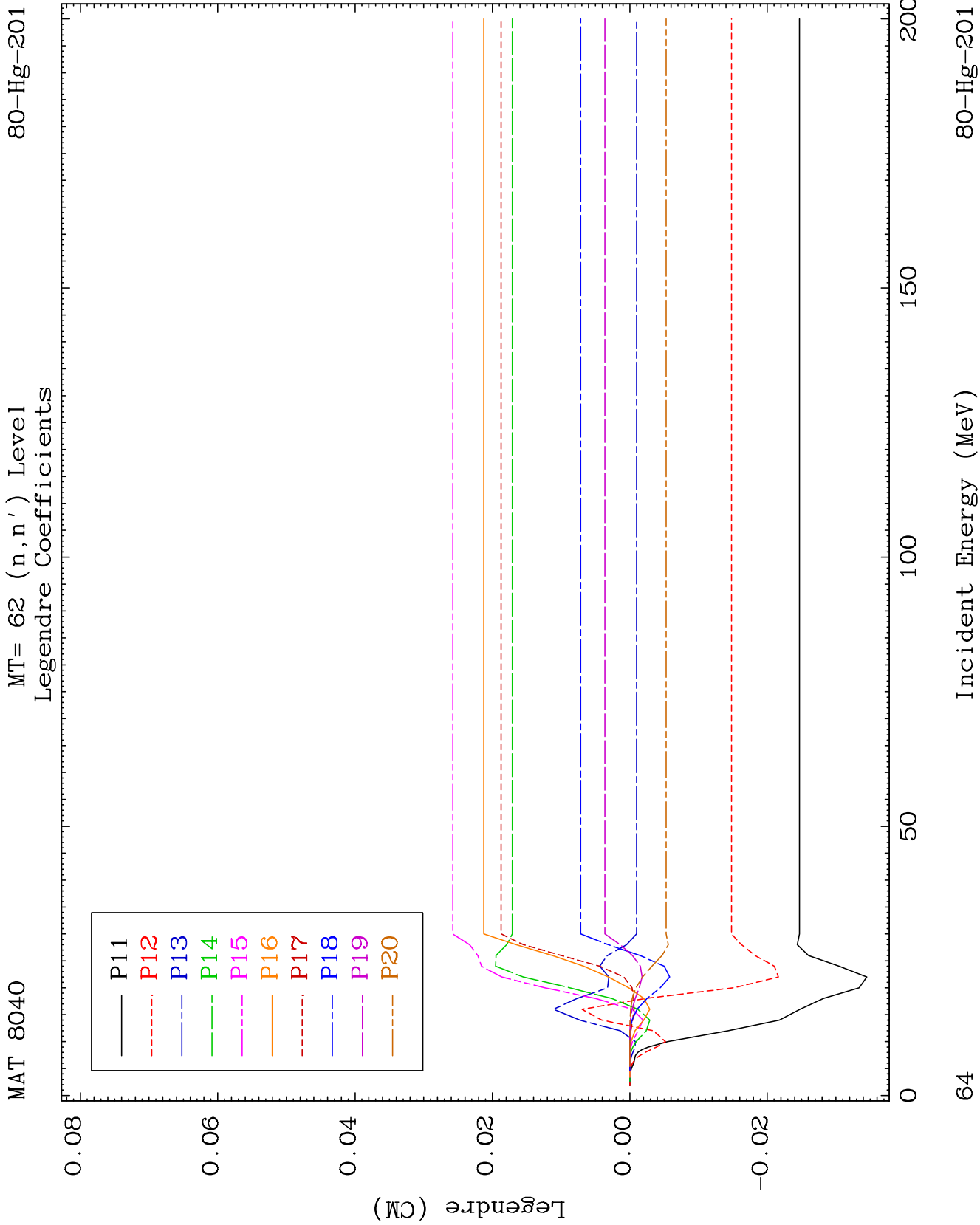
61 80-Hg-201

MAT 8040 MT= 61 (n,n') Level Legendre Coefficients 80-Hg-201



62 80-Hg-201

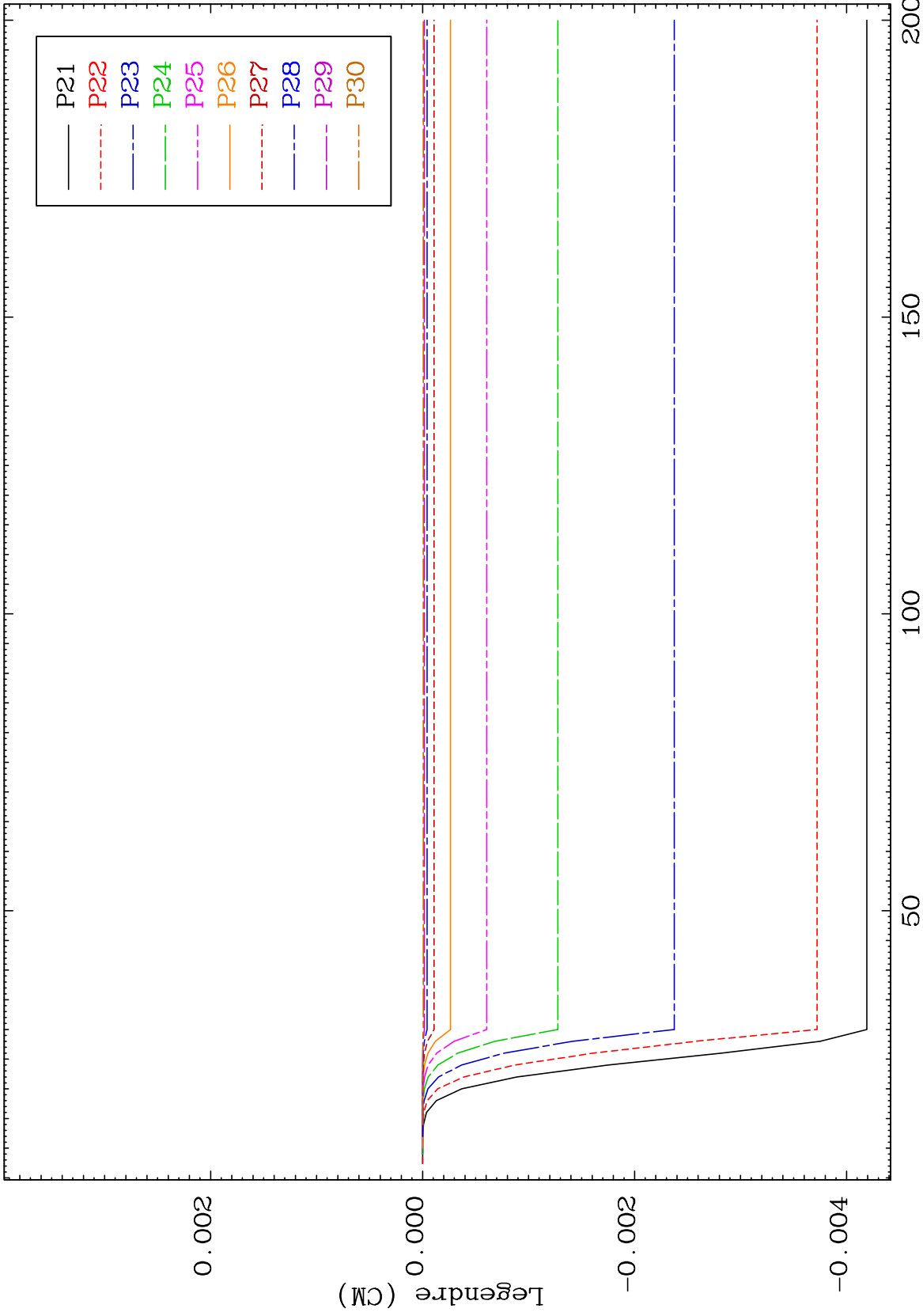




MAT 8040

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

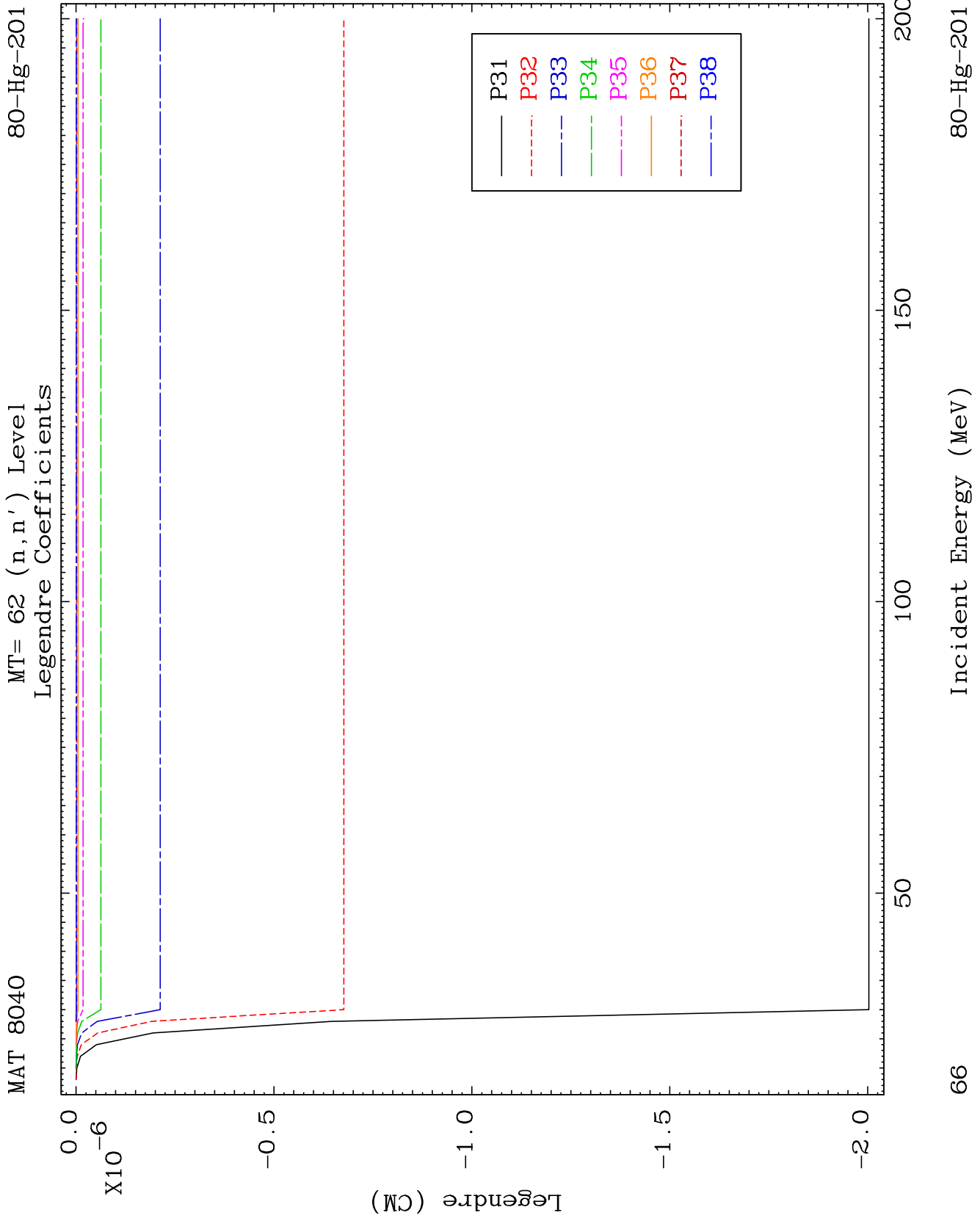
80-Hg-201

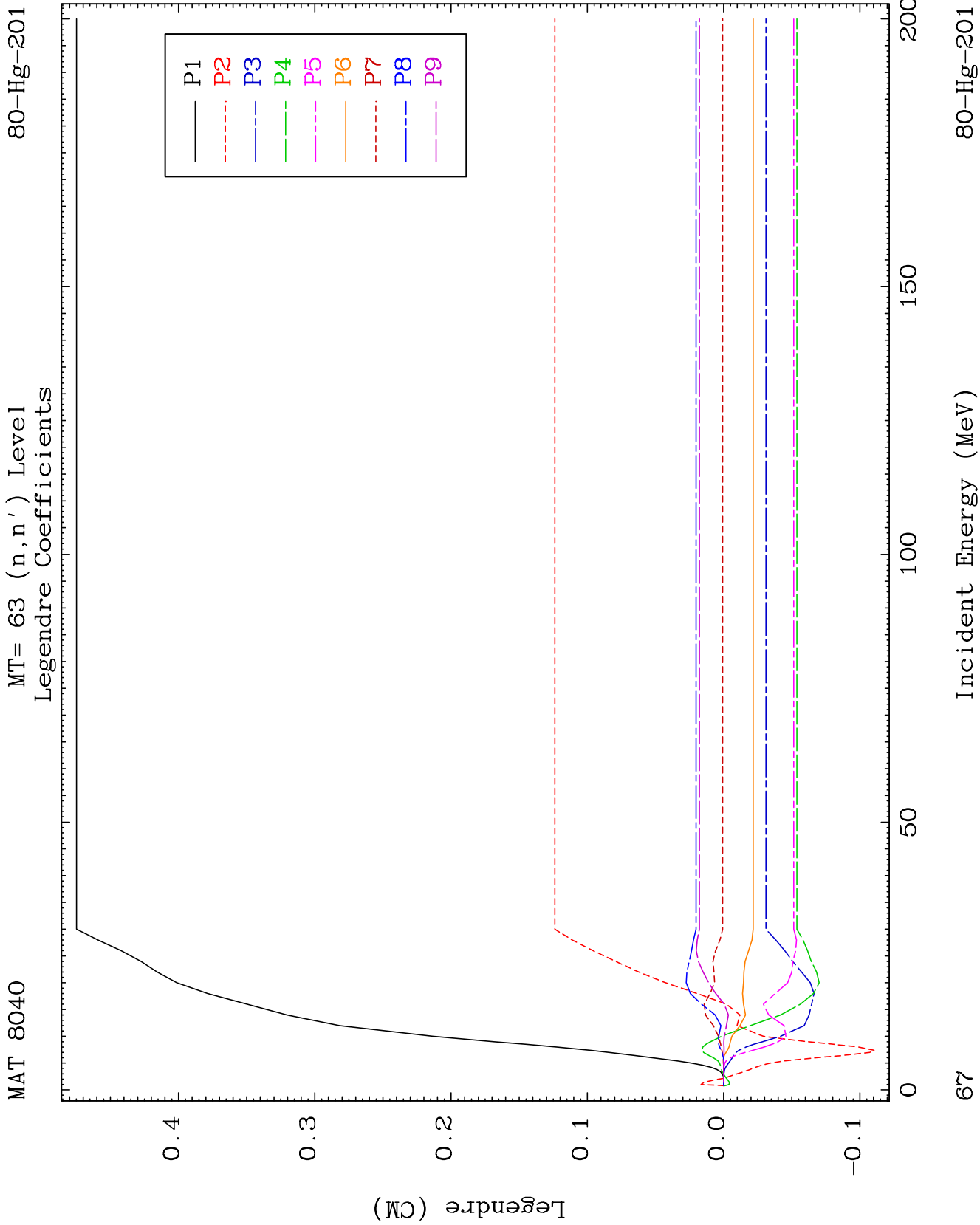


65

Incident Energy (MeV)

80-Hg-201

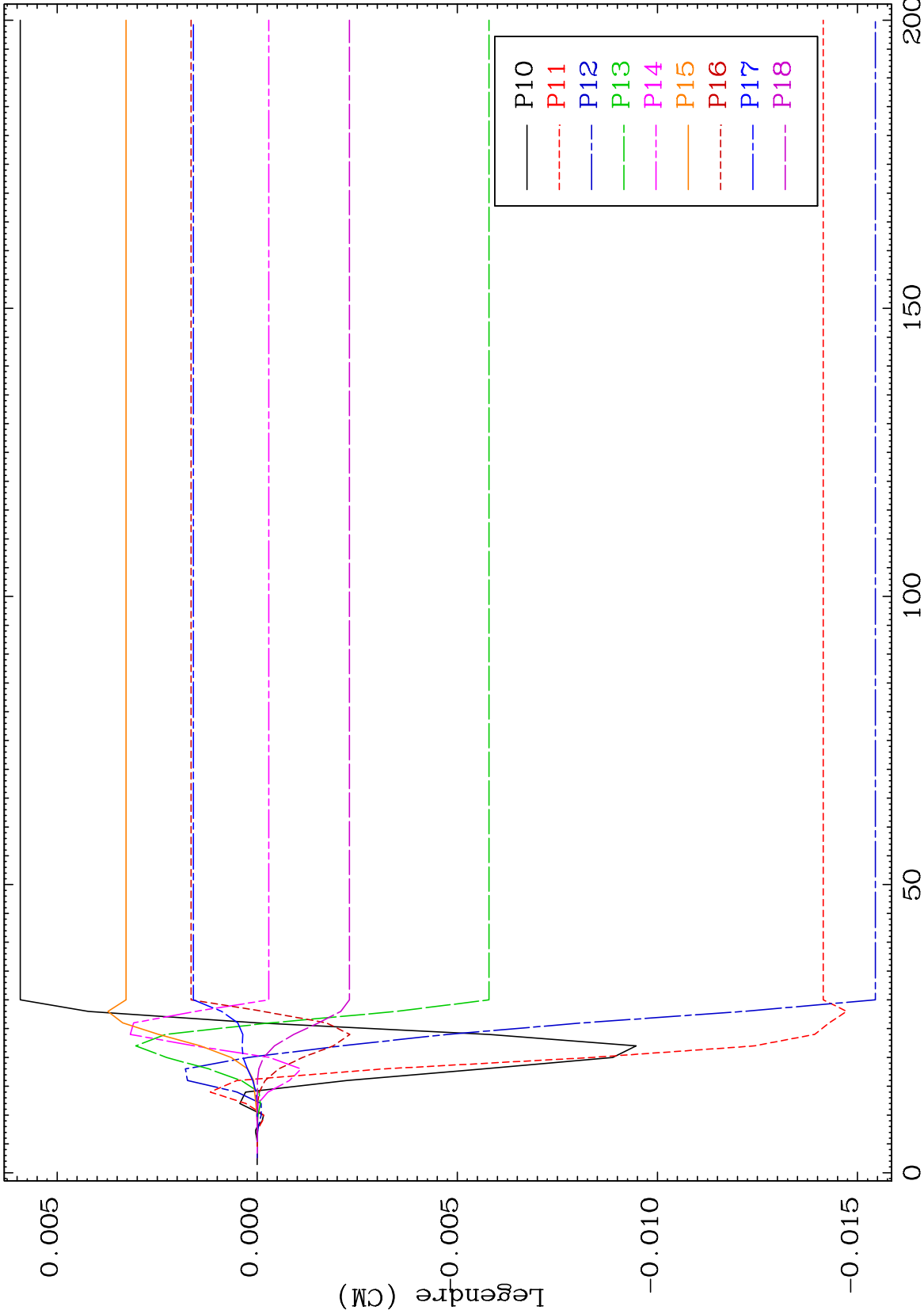




MAT 8040

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

80-Hg-201



68

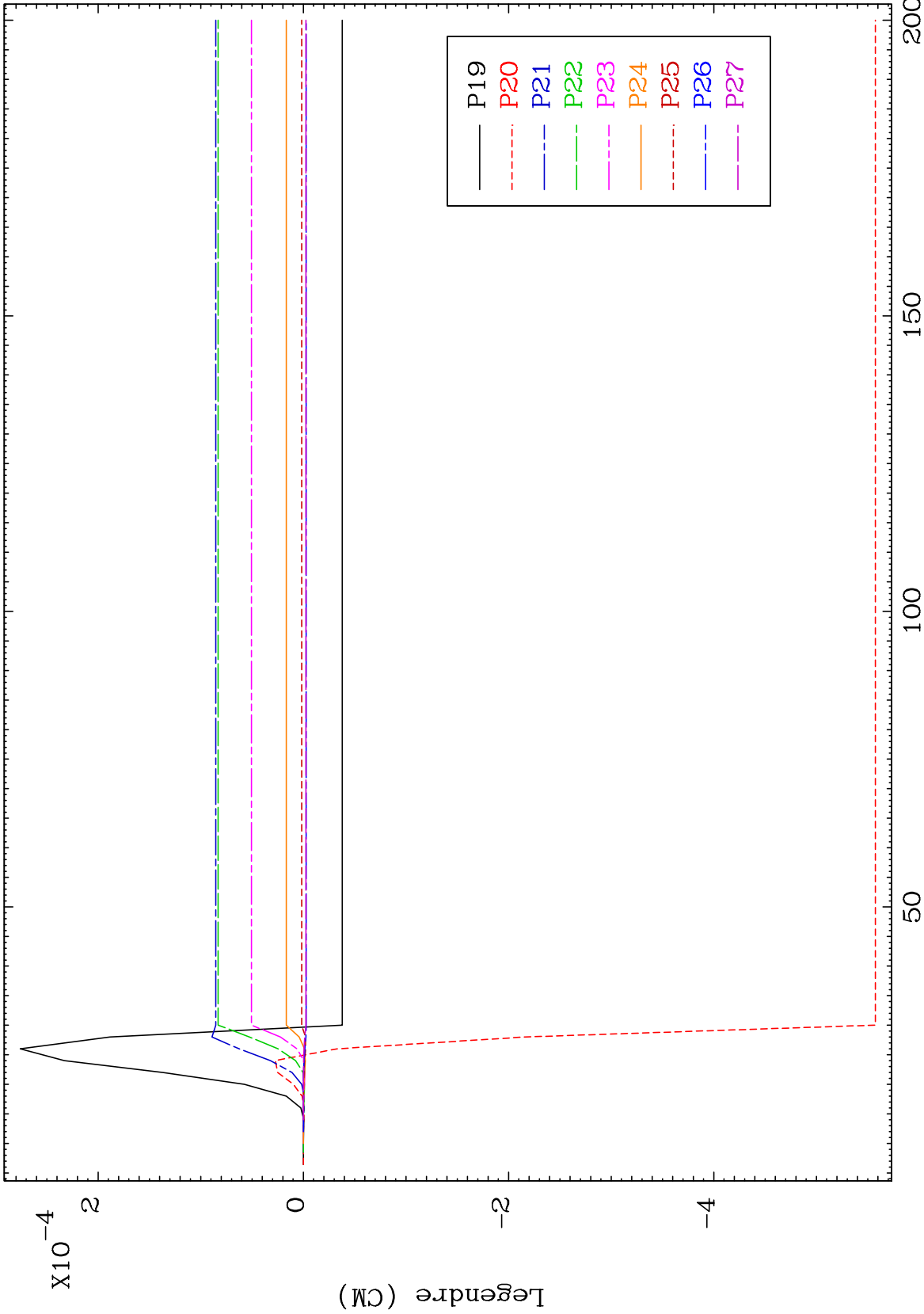
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

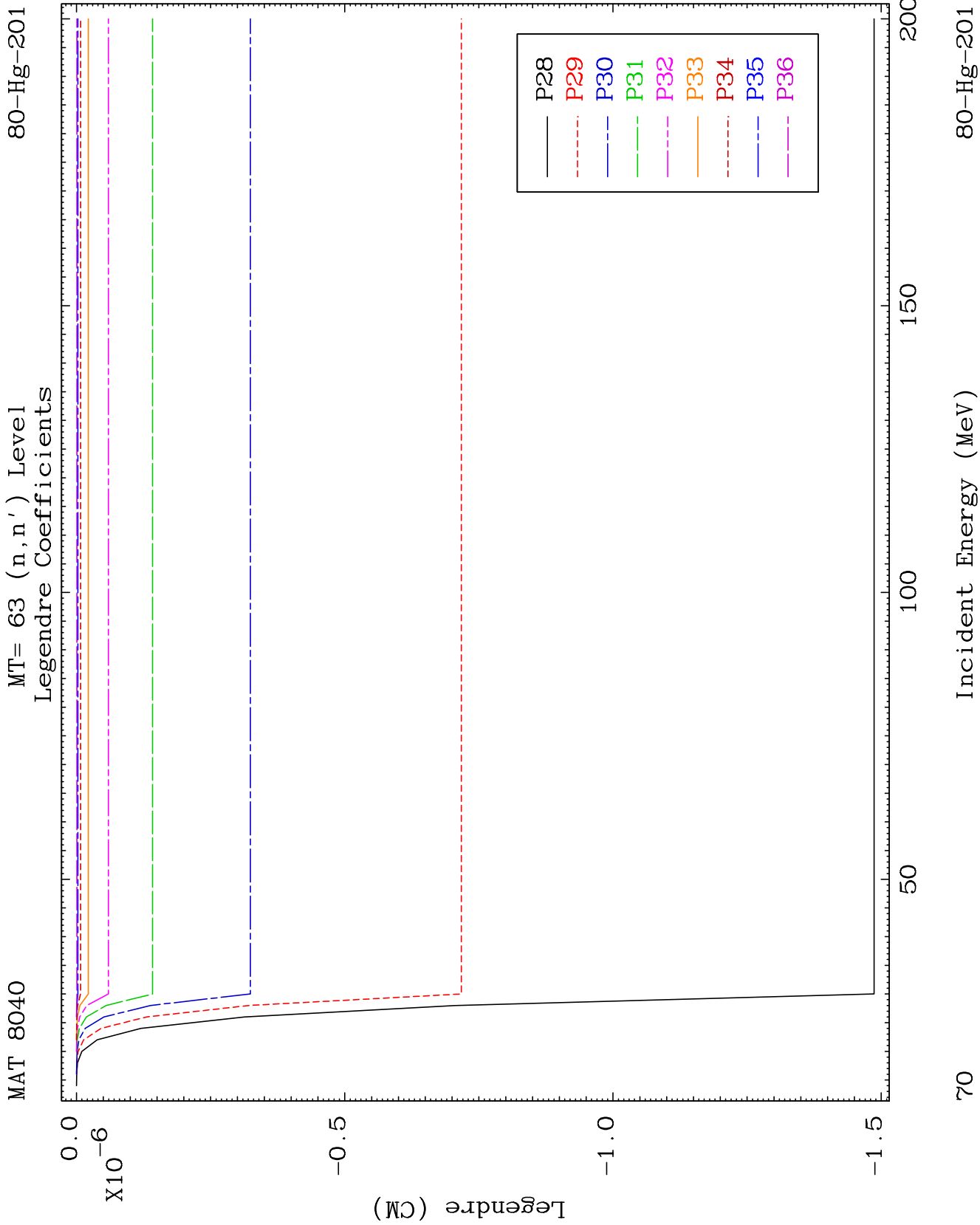
80-Hg-201

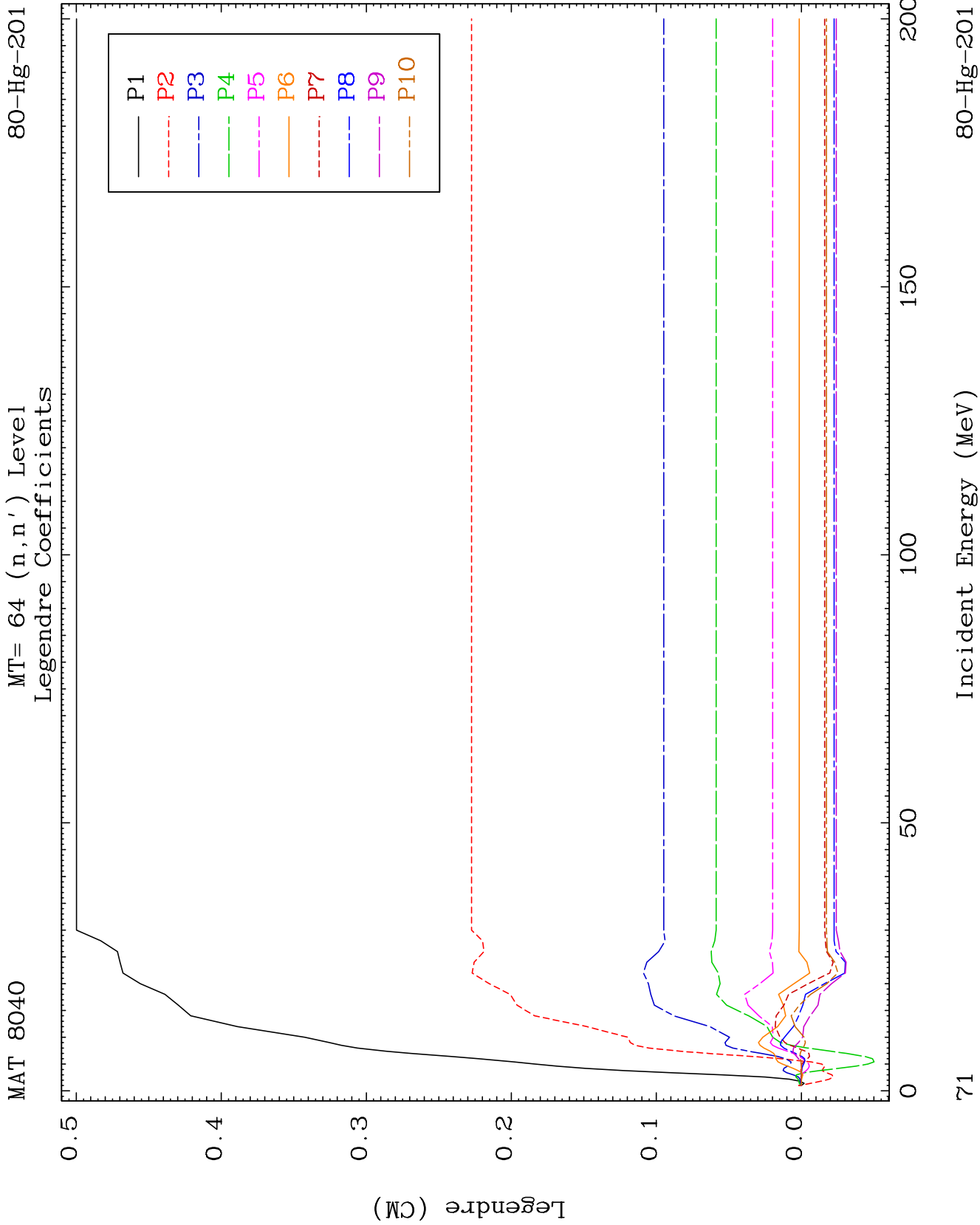


69

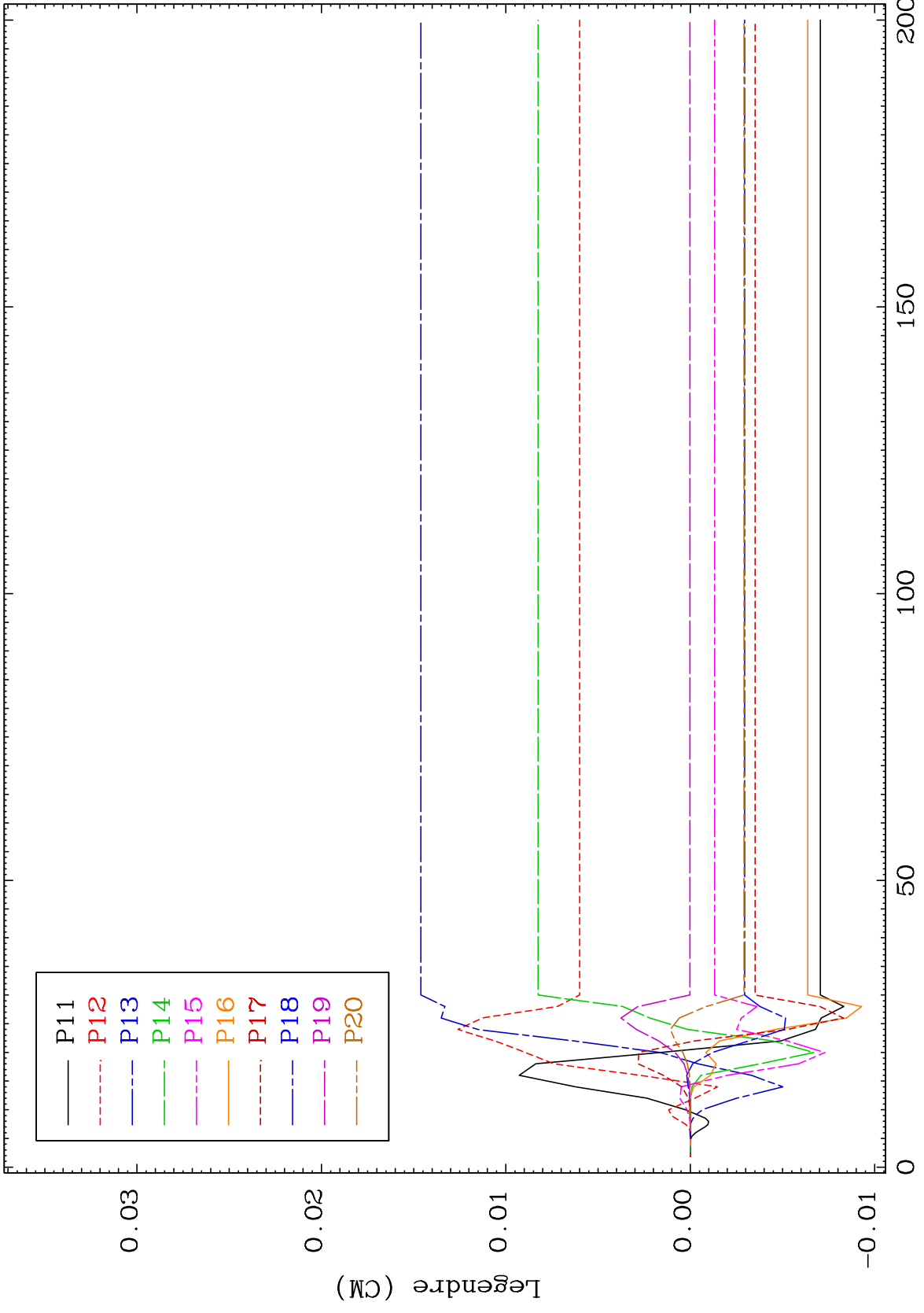
Incident Energy (MeV)

80-Hg-201



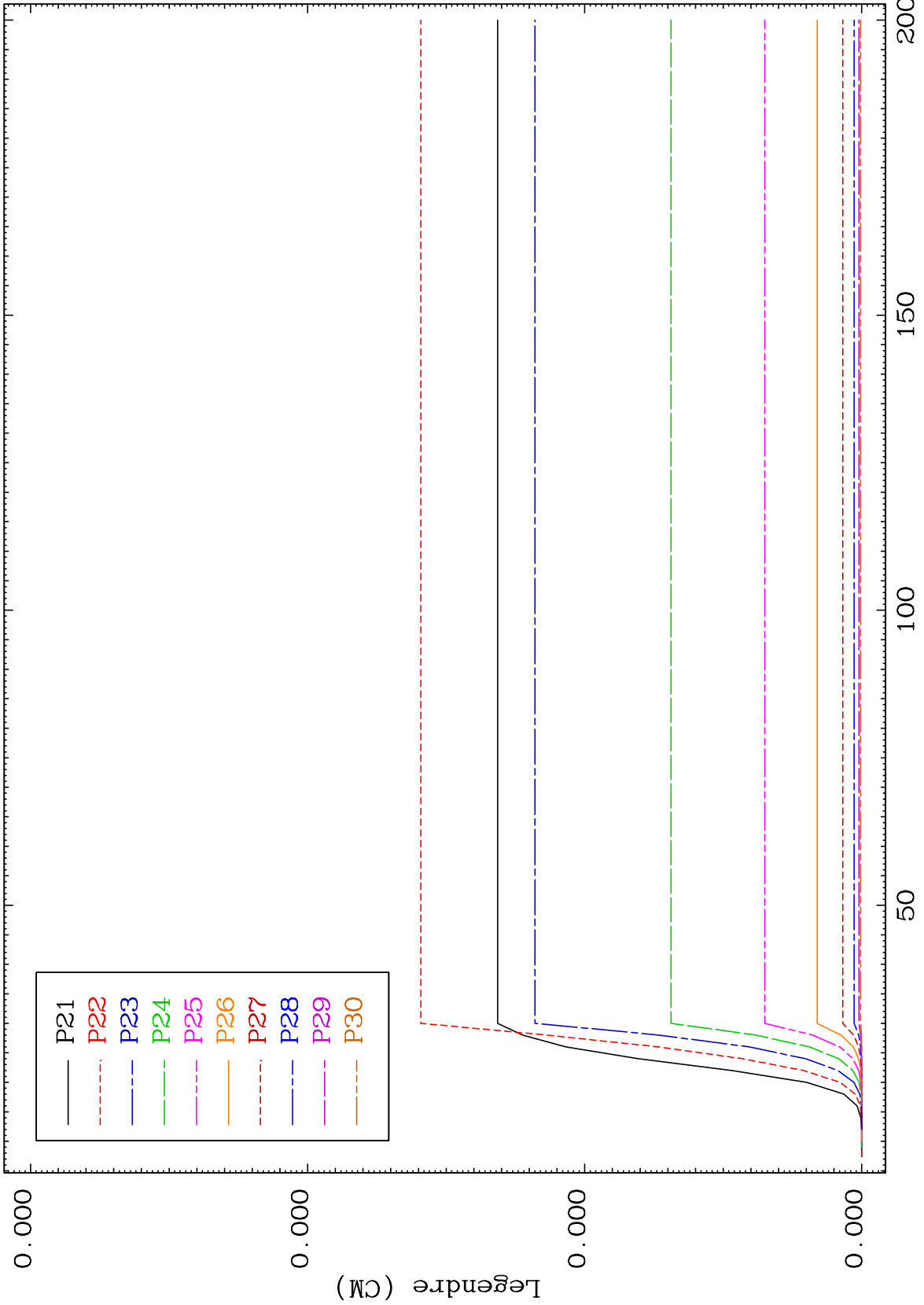


MAT 8040 MT= 64 (n,n') Level Legendre Coefficients 80-Hg-201



72 Incident Energy (MeV) 80-Hg-201

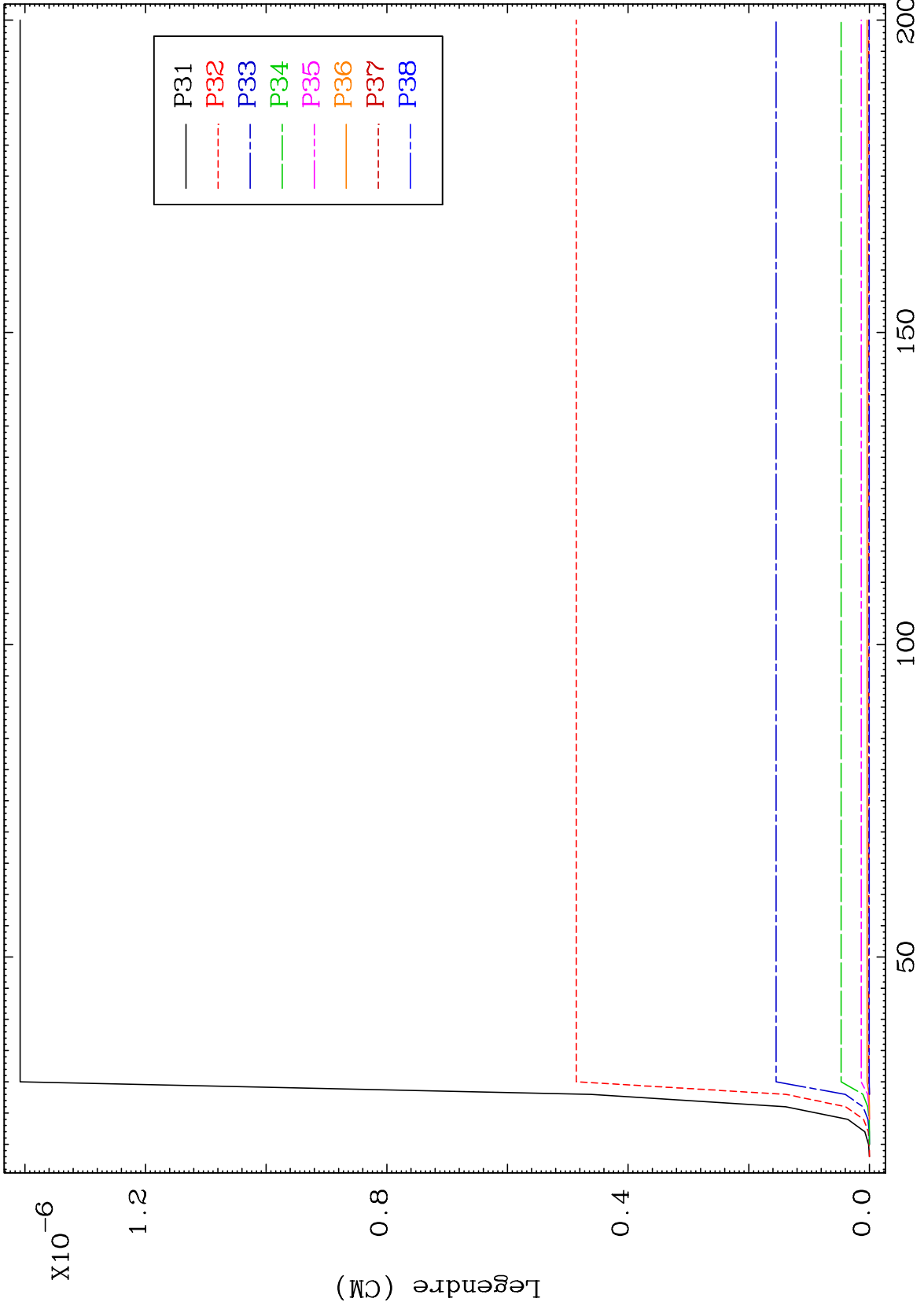
MAT 8040 MT= 64 (n,n') Level Legendre Coefficients 80-Hg-201



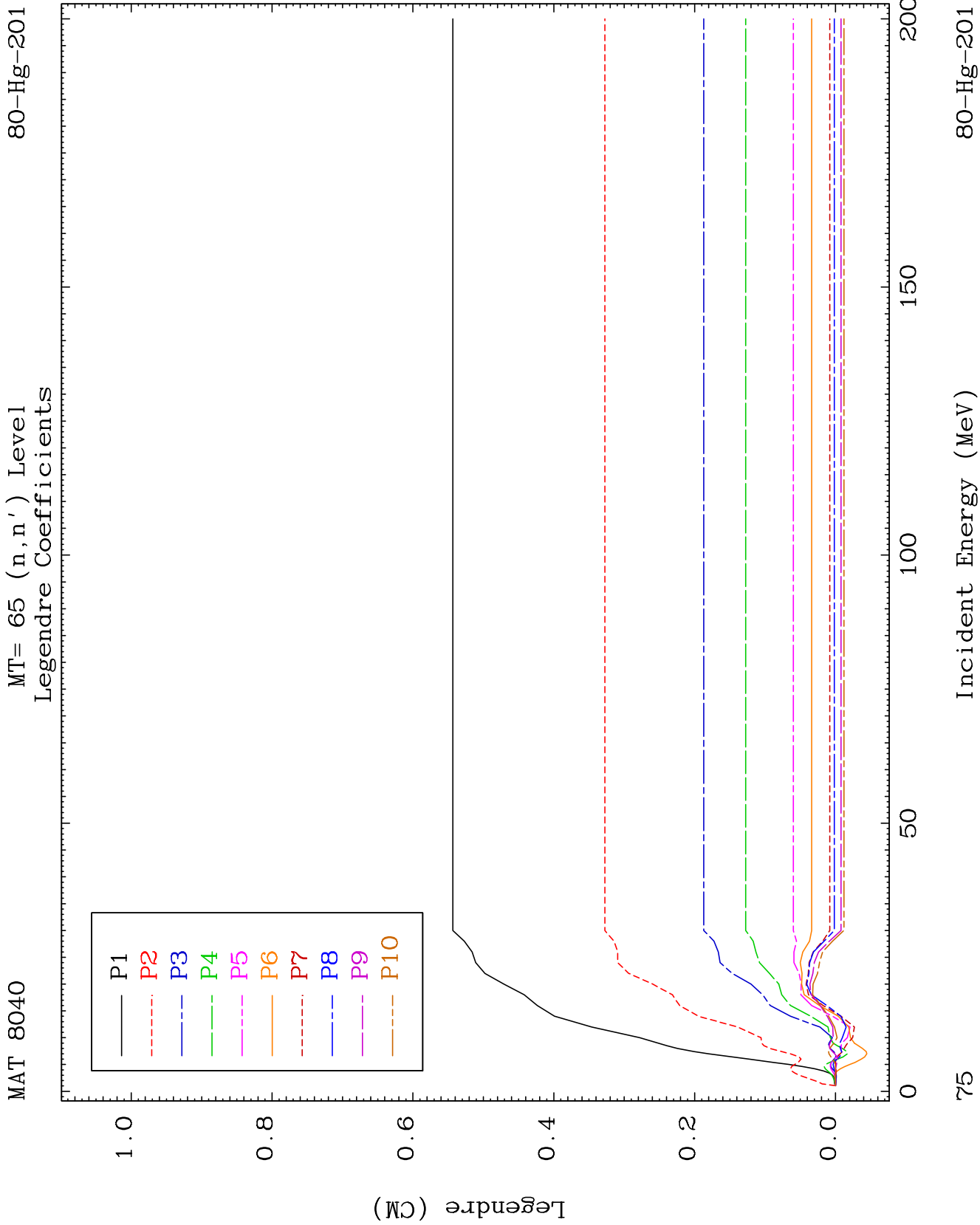
80-Hg-201

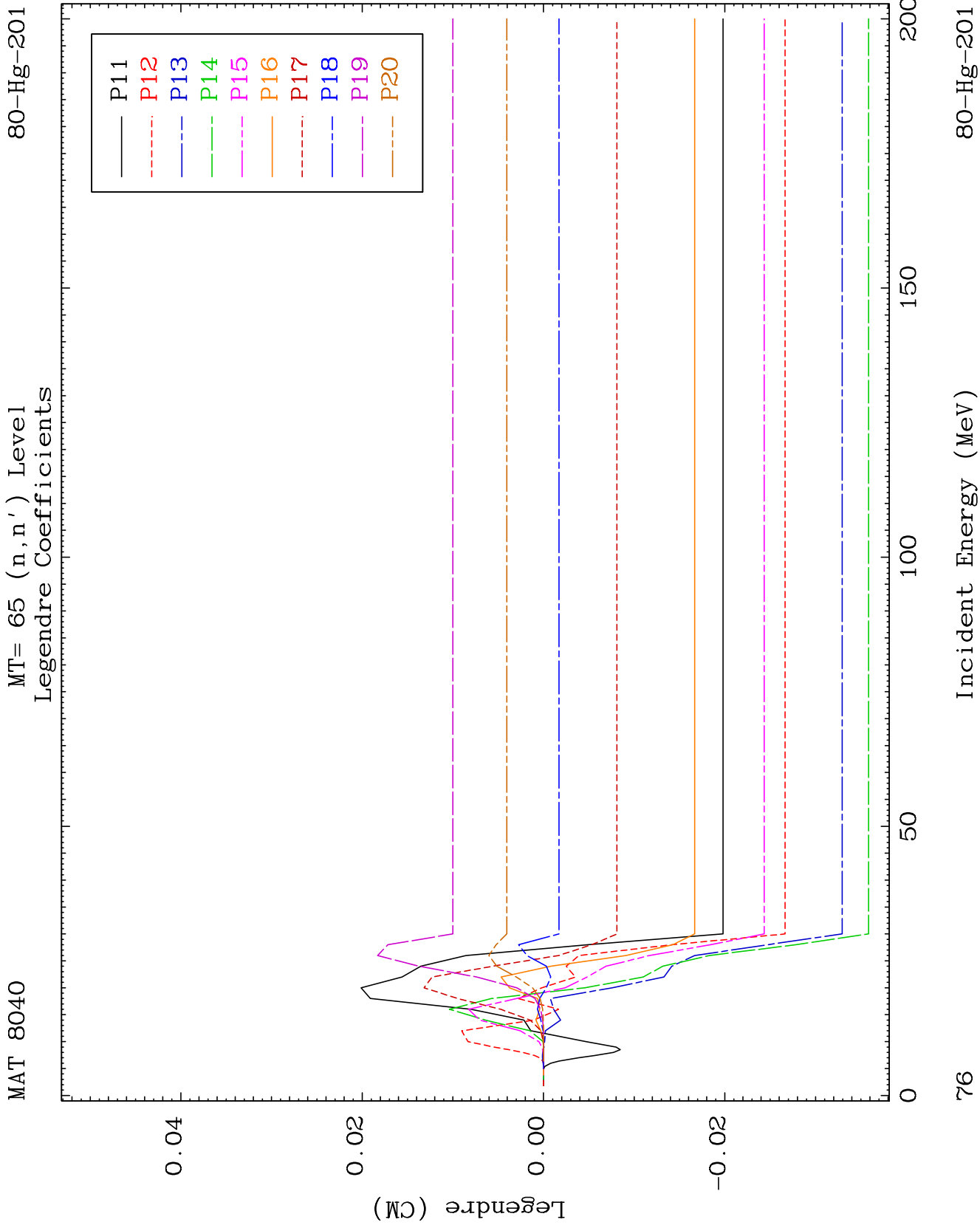
Incident Energy (MeV)

MAT 8040 MT= 64 (n,n') Level Legendre Coefficients 80-Hg-201

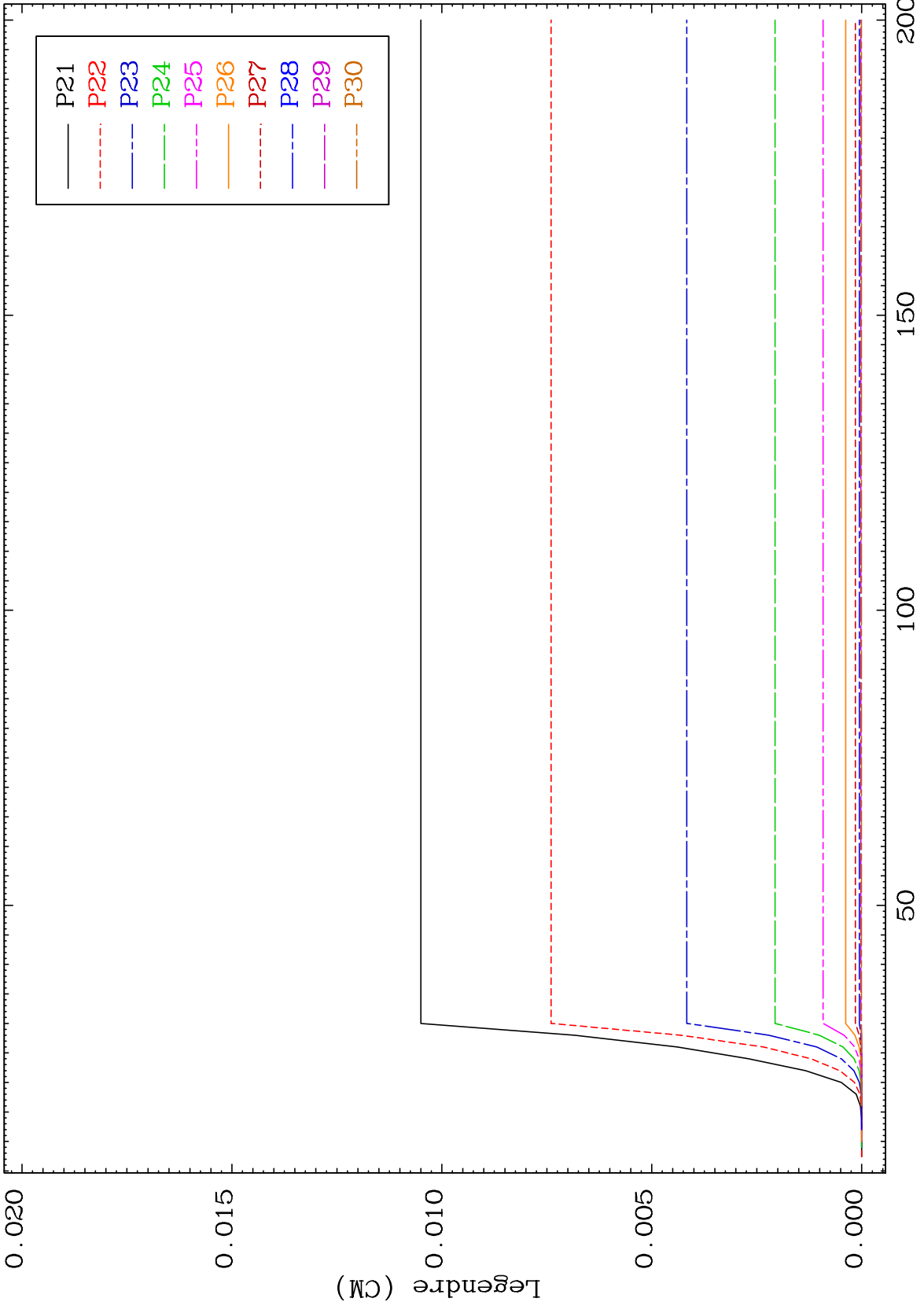


74 80-Hg-201





MAT 8040 MT= 65 (n,n') Level Legendre Coefficients 80-Hg-201



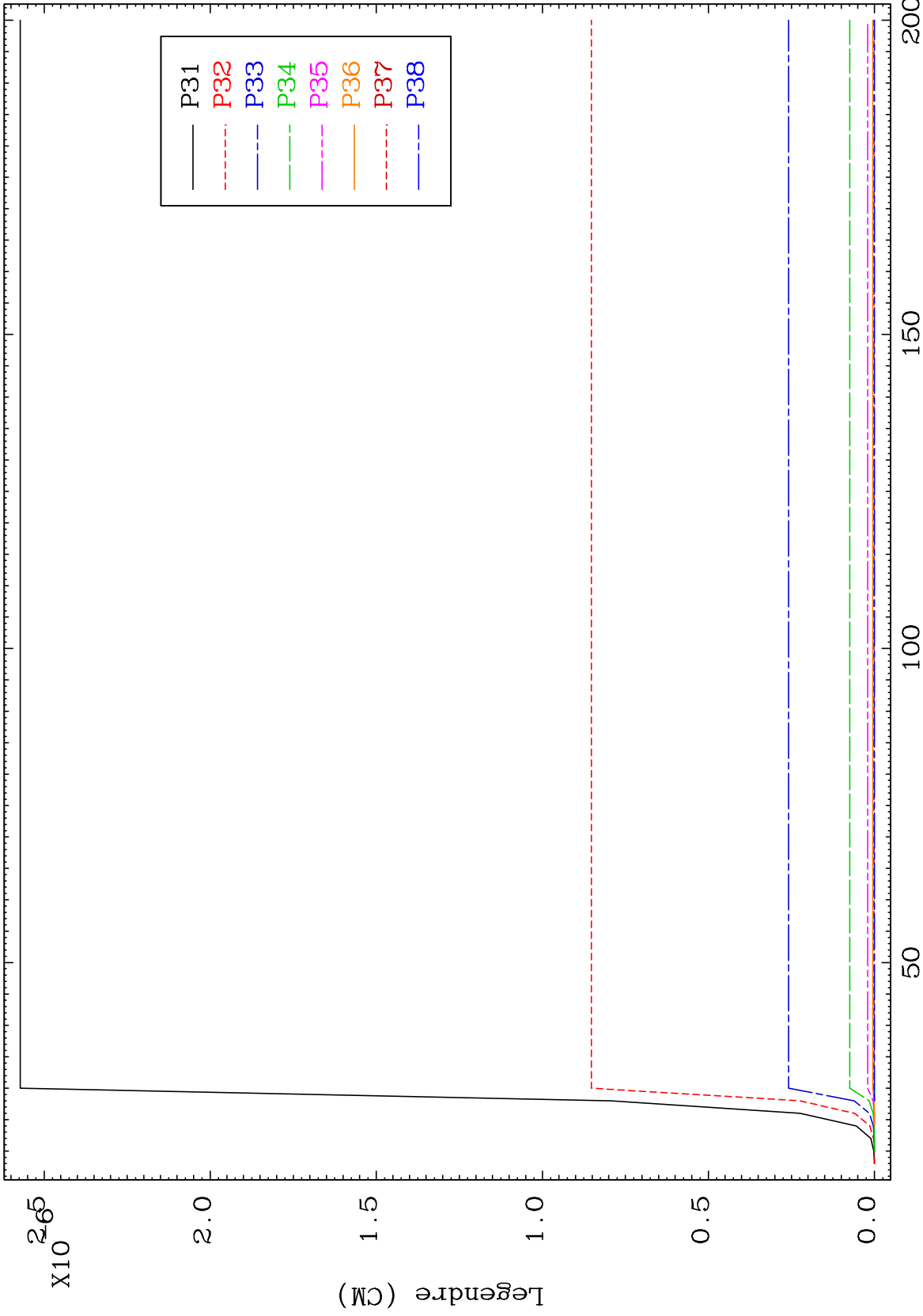
80-Hg-201

Incident Energy (MeV)

MAT 8040

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

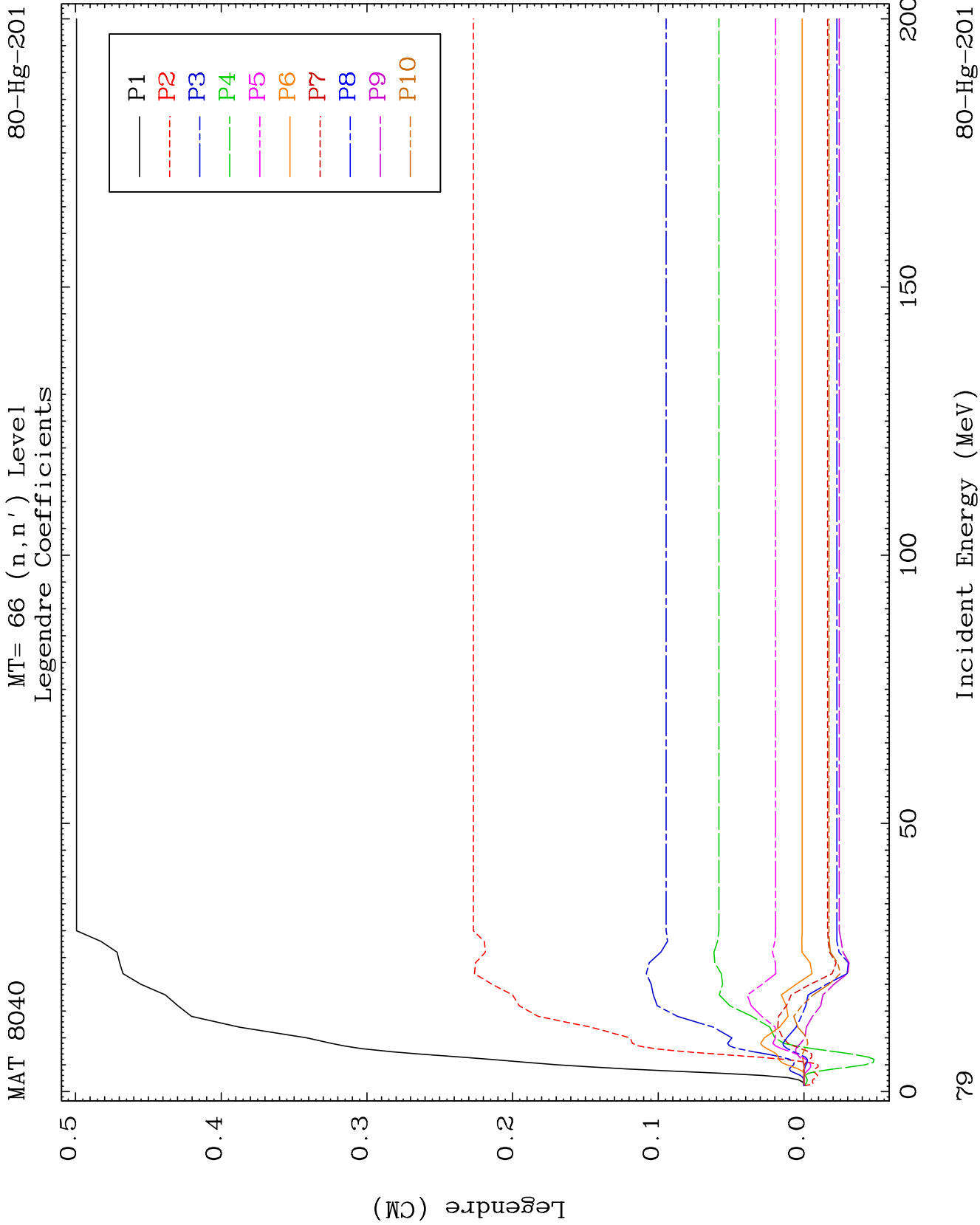
80-Hg-201



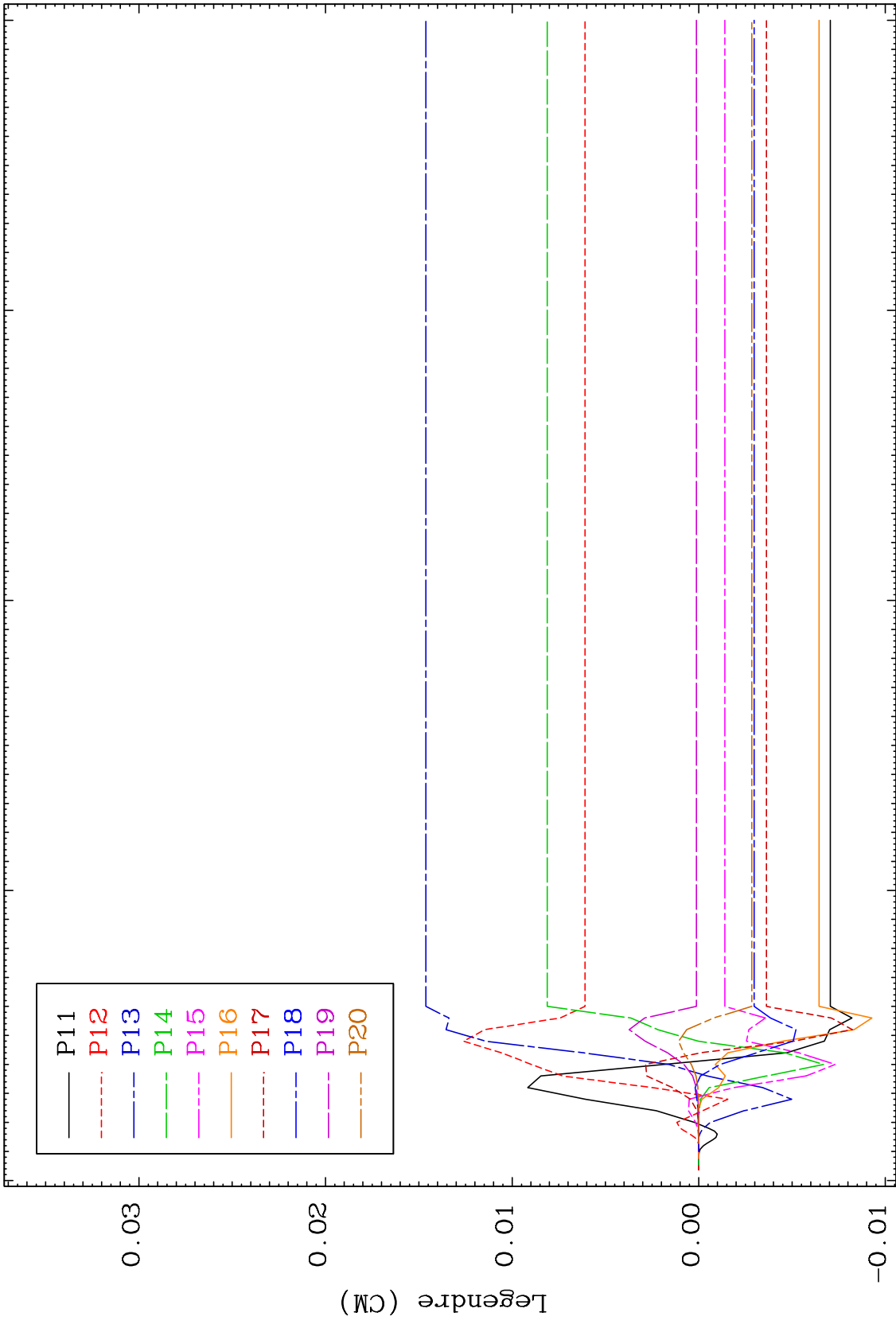
78

Incident Energy (MeV)

80-Hg-201

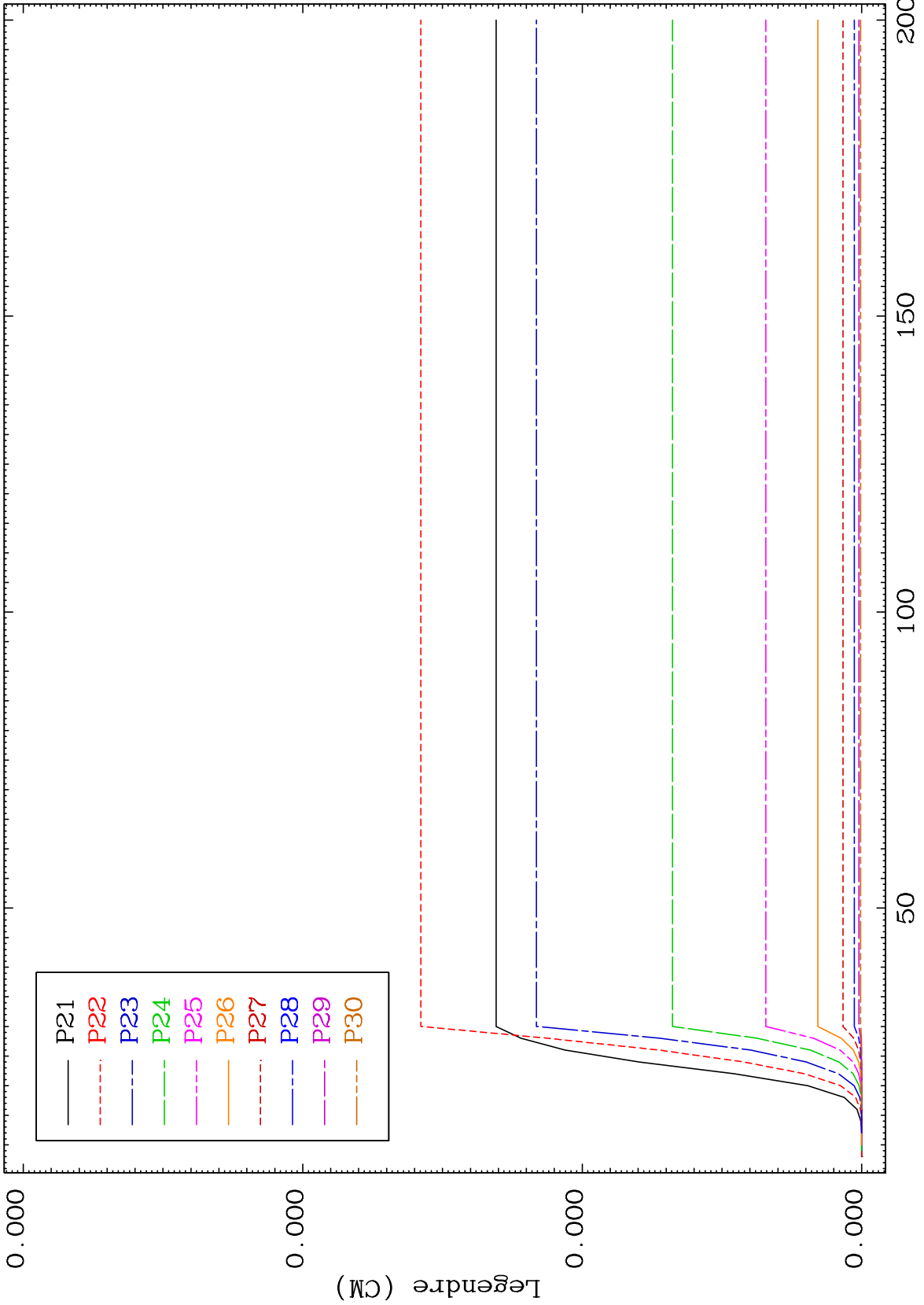


MAT 8040 MT= 66 (n,n') Level Legendre Coefficients 80-Hg-201

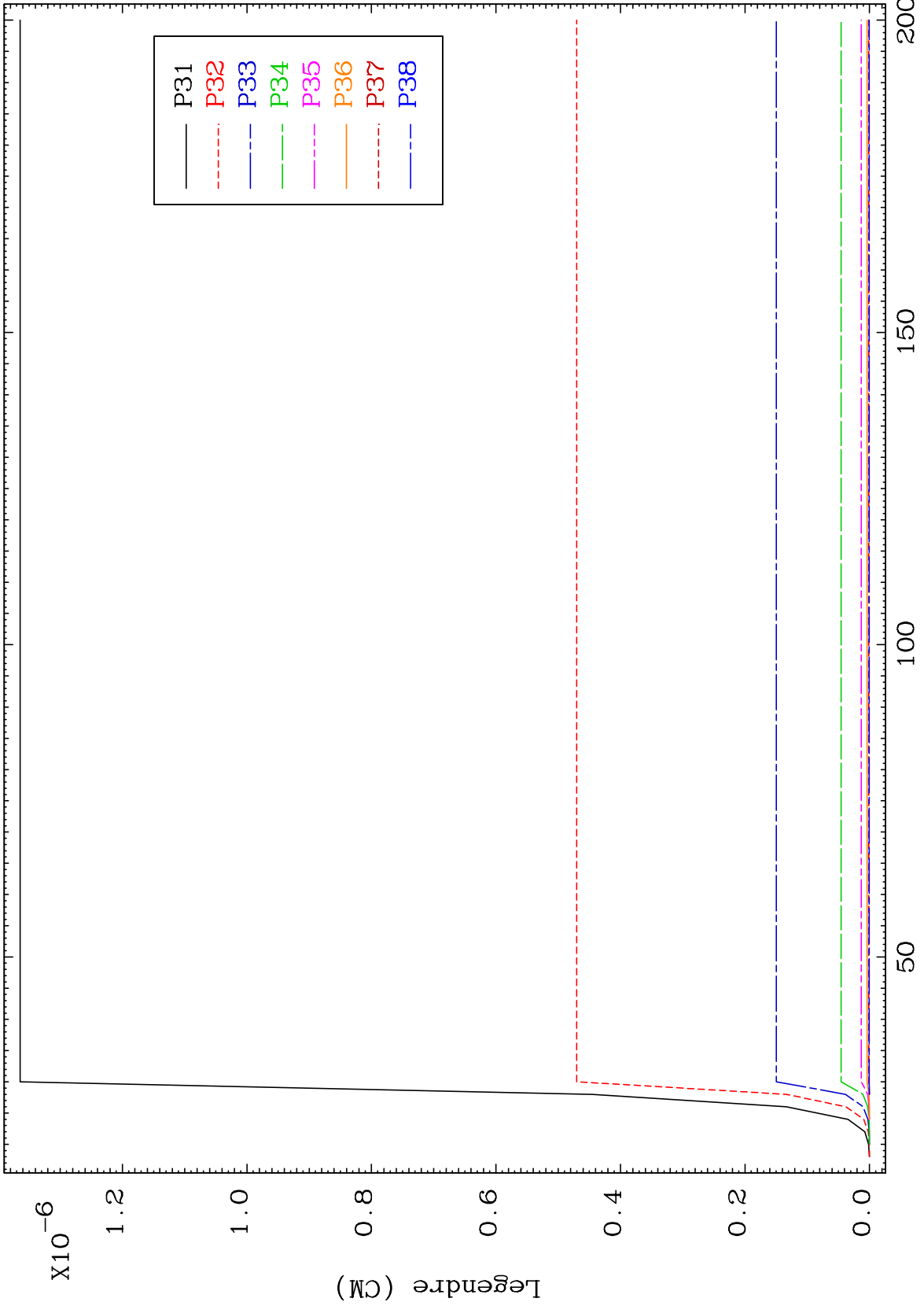


80-Hg-201

MAT 8040 MT= 66 (n,n') Level Legendre Coefficients 80-Hg-201



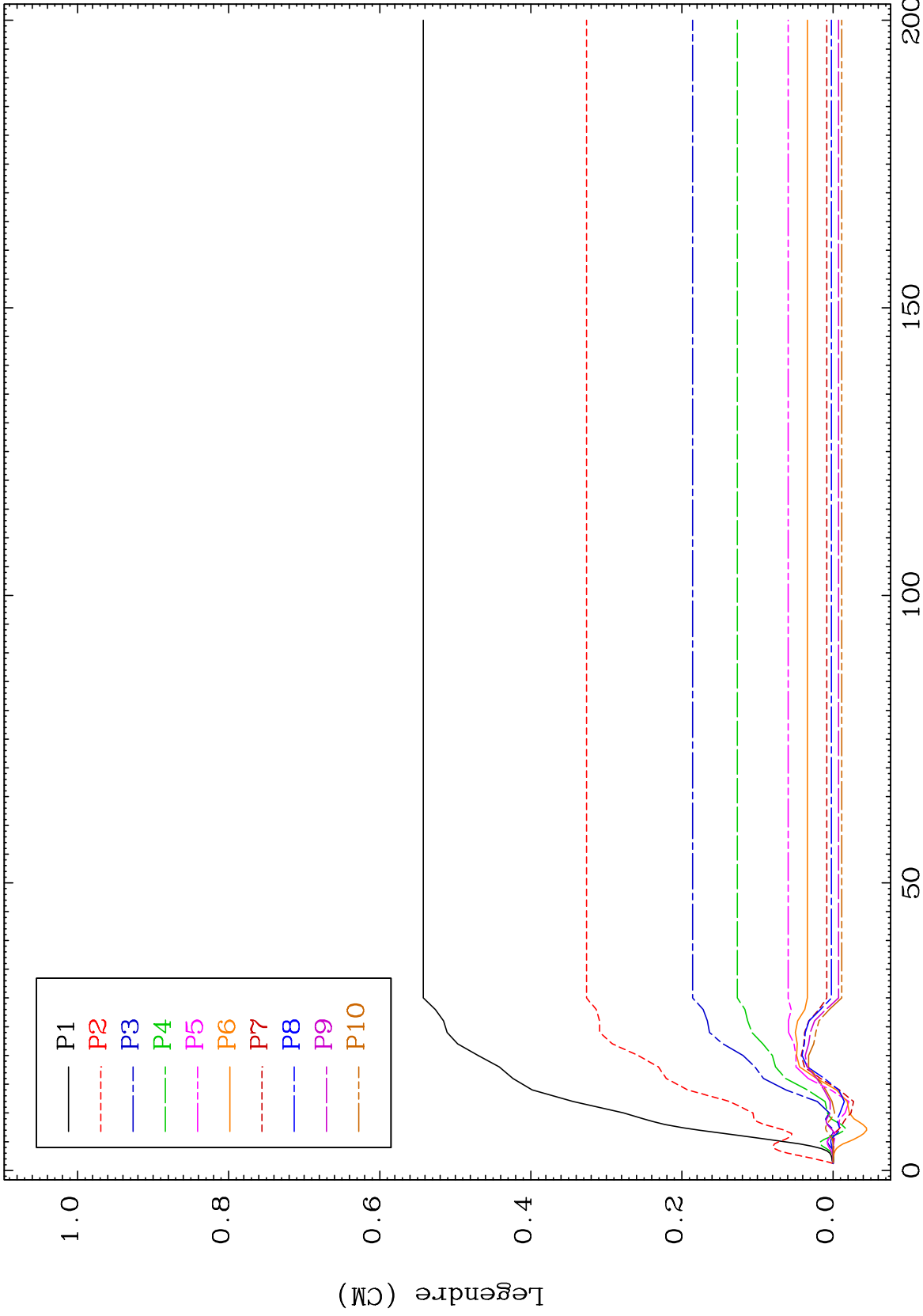
MAT 8040 MT= 66 (n,n') Level Legendre Coefficients 80-Hg-201



MAT 8040

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

80-Hg-201

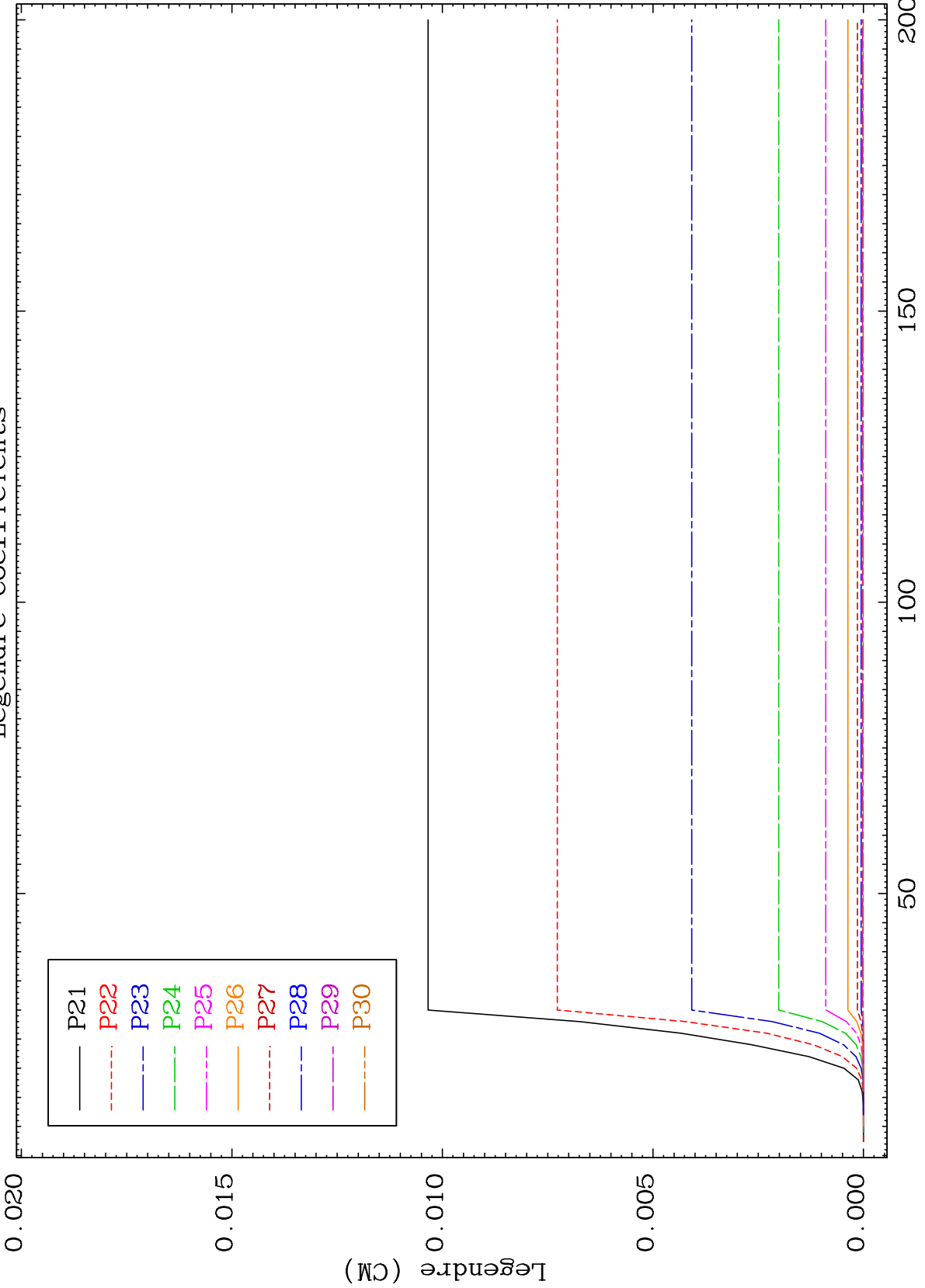


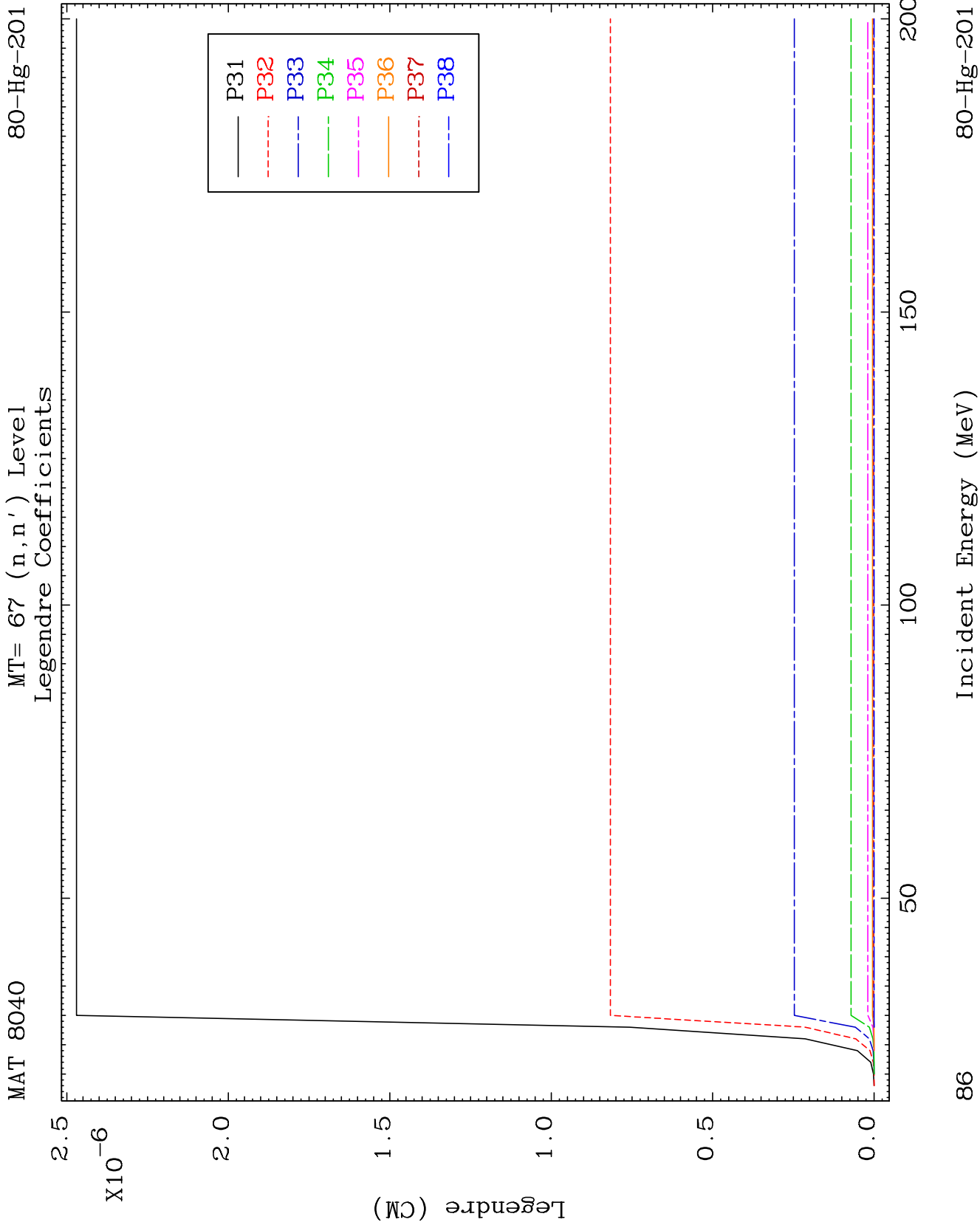
83

Incident Energy (MeV)

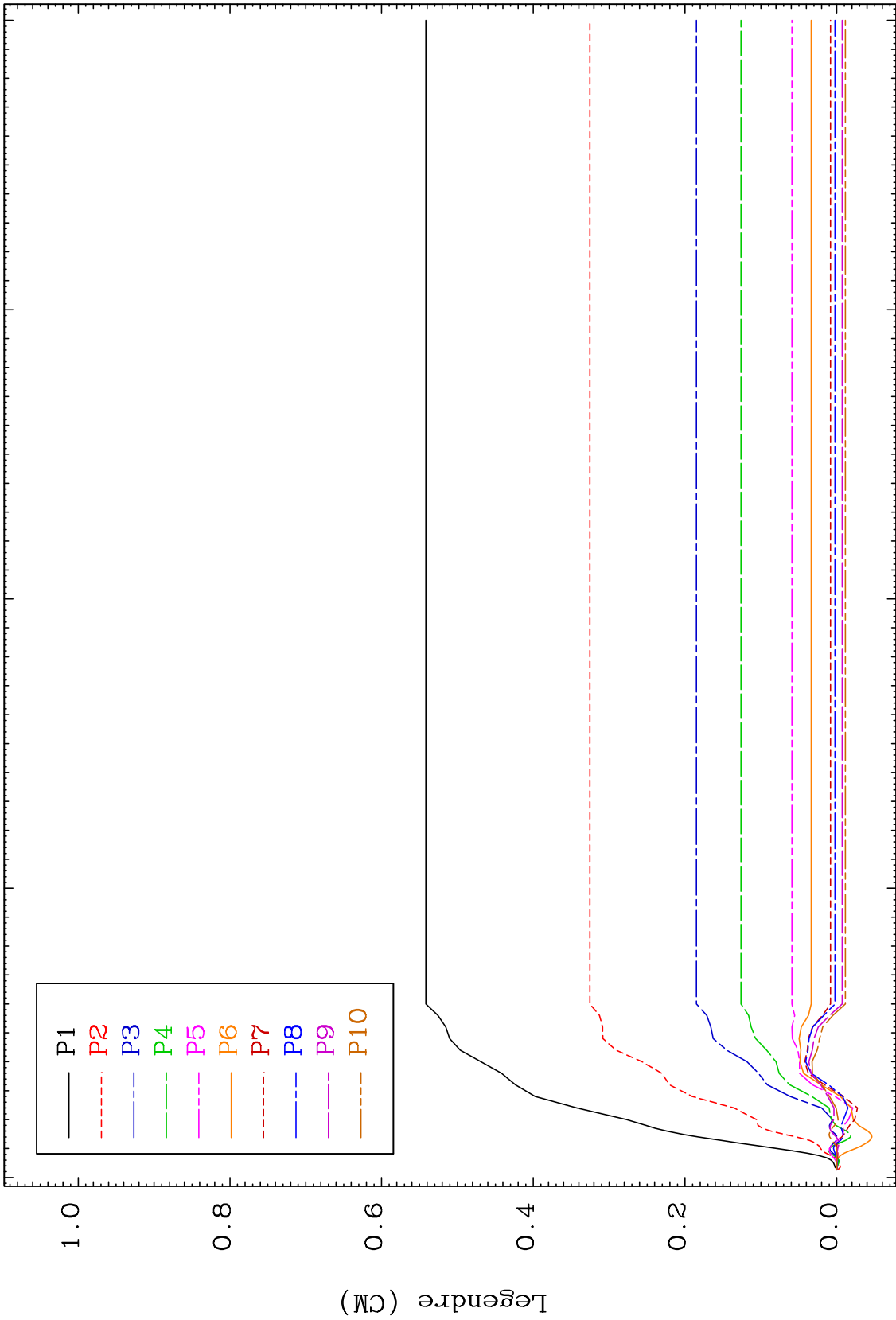
80-Hg-201

MAT 8040 MT= 67 (n,n') Level Legendre Coefficients 80-Hg-201





MAT 8040 MT= 68 (n,n') Level Legendre Coefficients 80-Hg-201

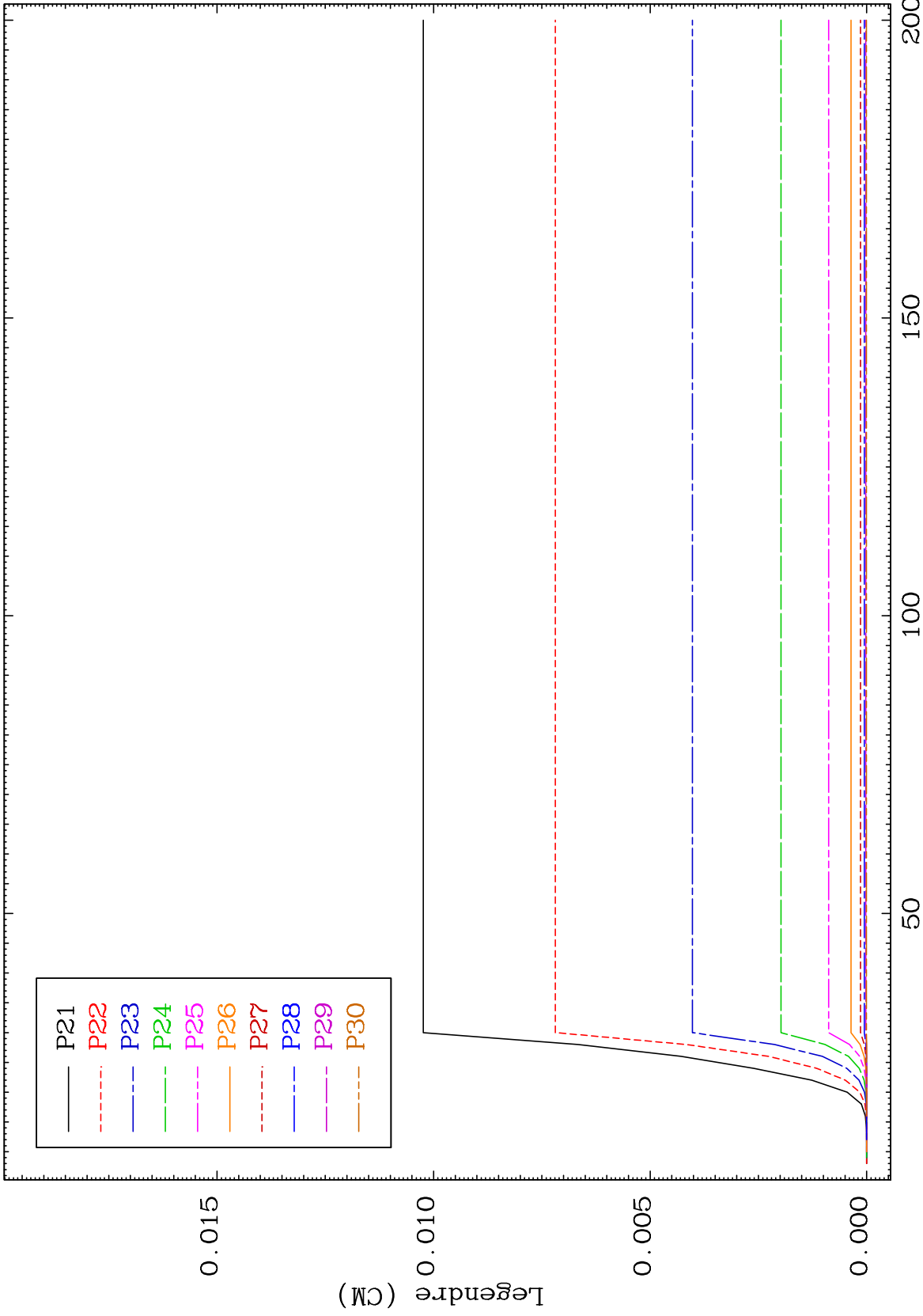


87 Incident Energy (MeV) 80-Hg-201

MAT 8040

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

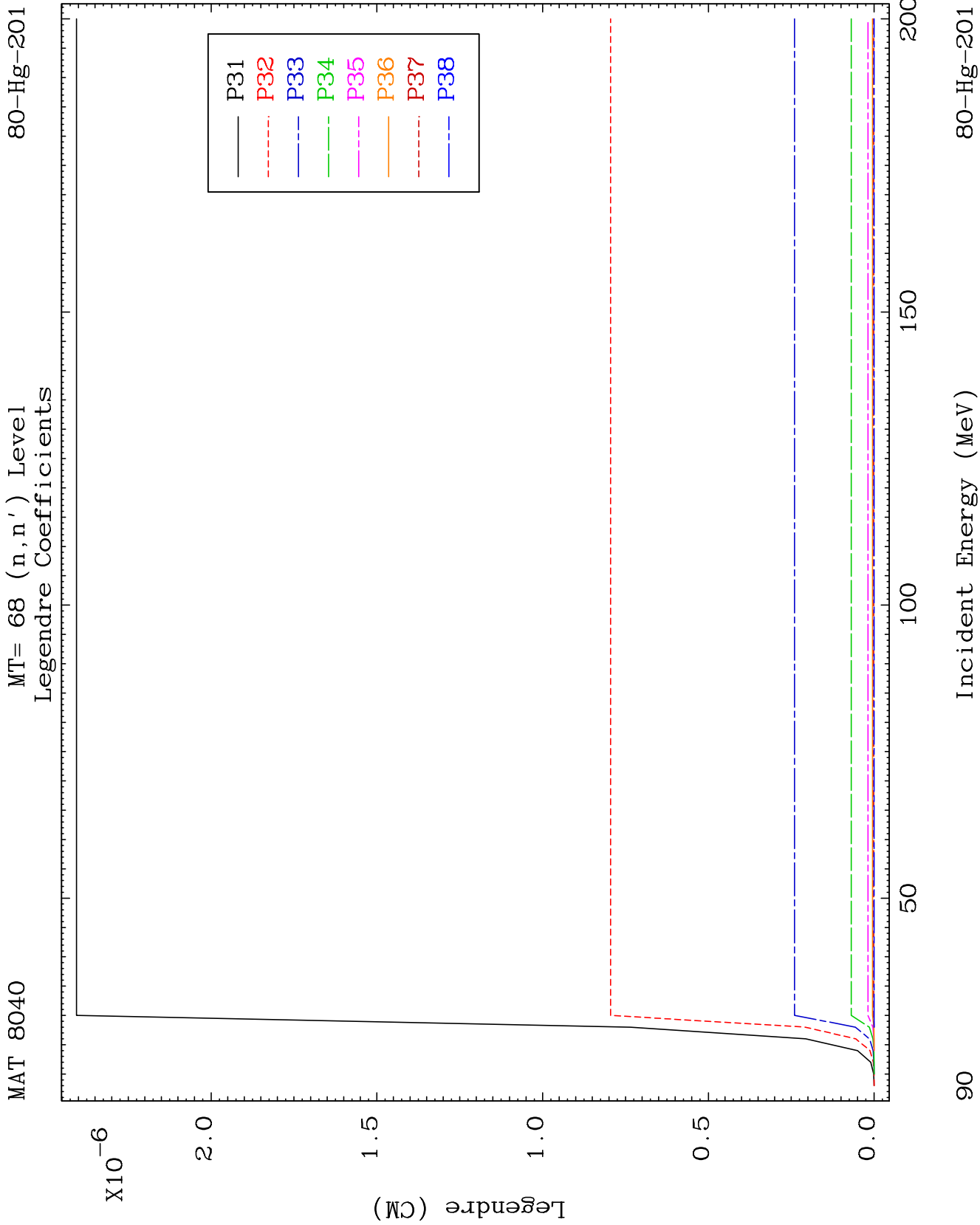
80-Hg-201

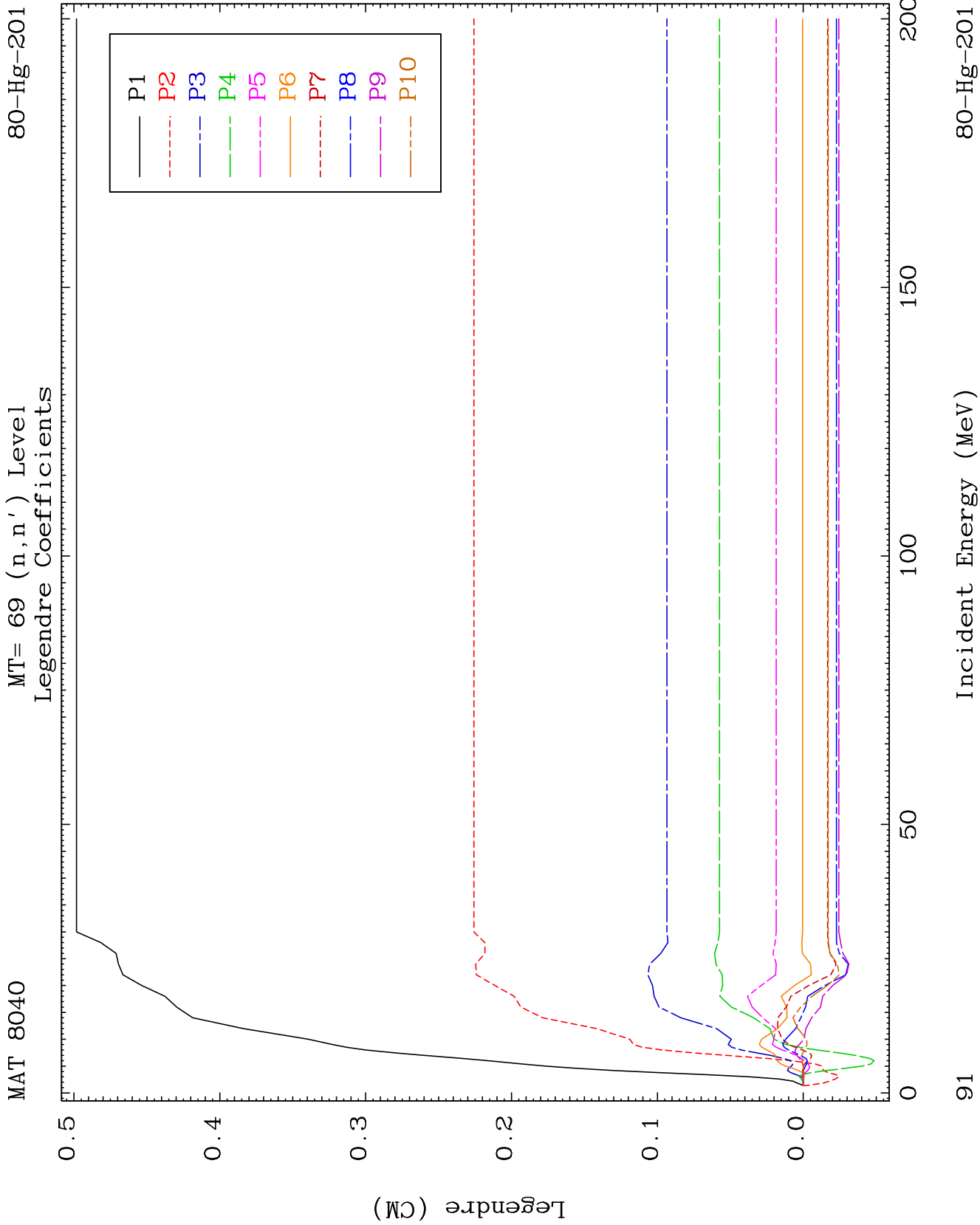


89

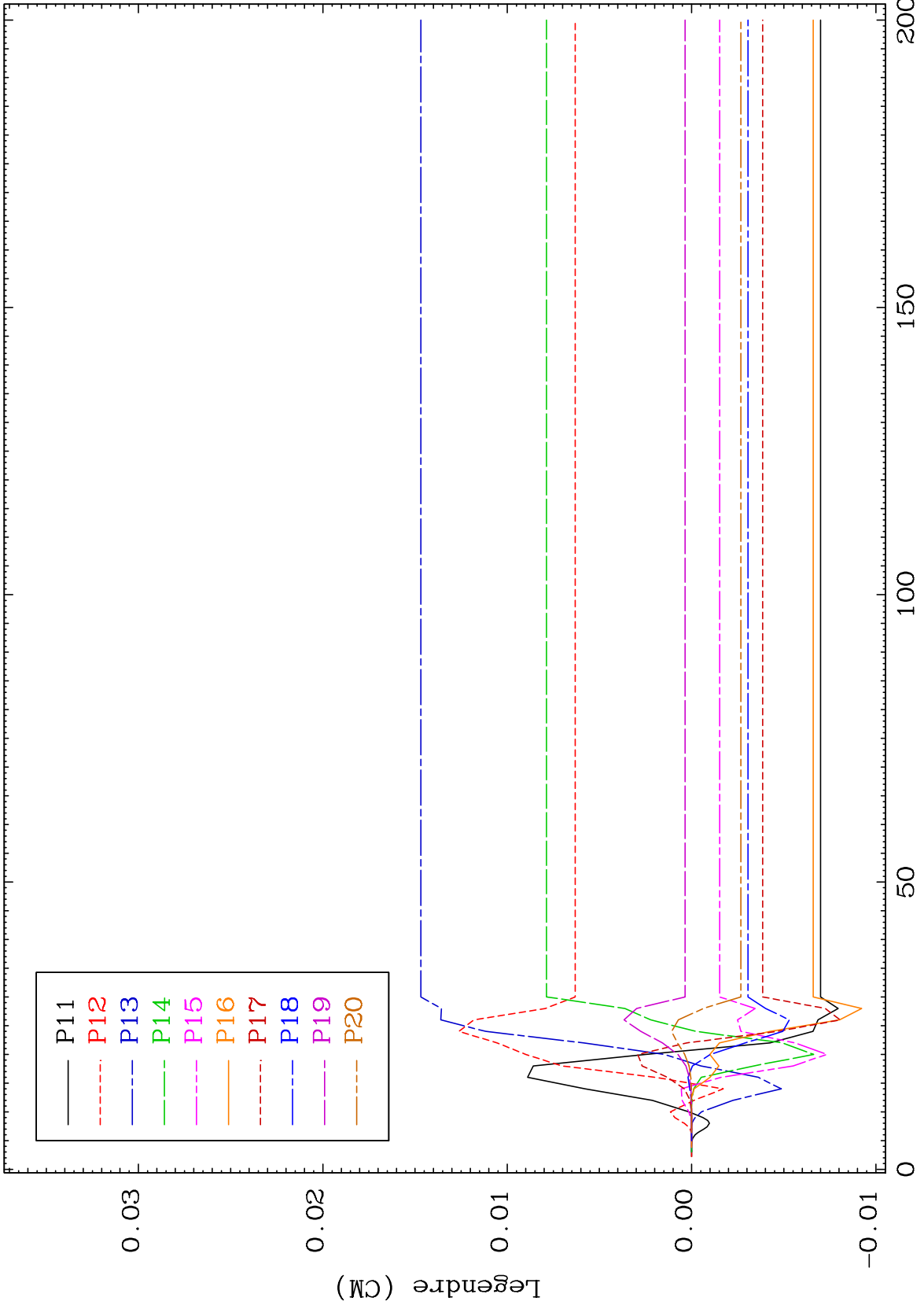
Incident Energy (MeV)

80-Hg-201





MAT 8040 MT= 69 (n,n') Level Legendre Coefficients 80-Hg-201



80-Hg-201

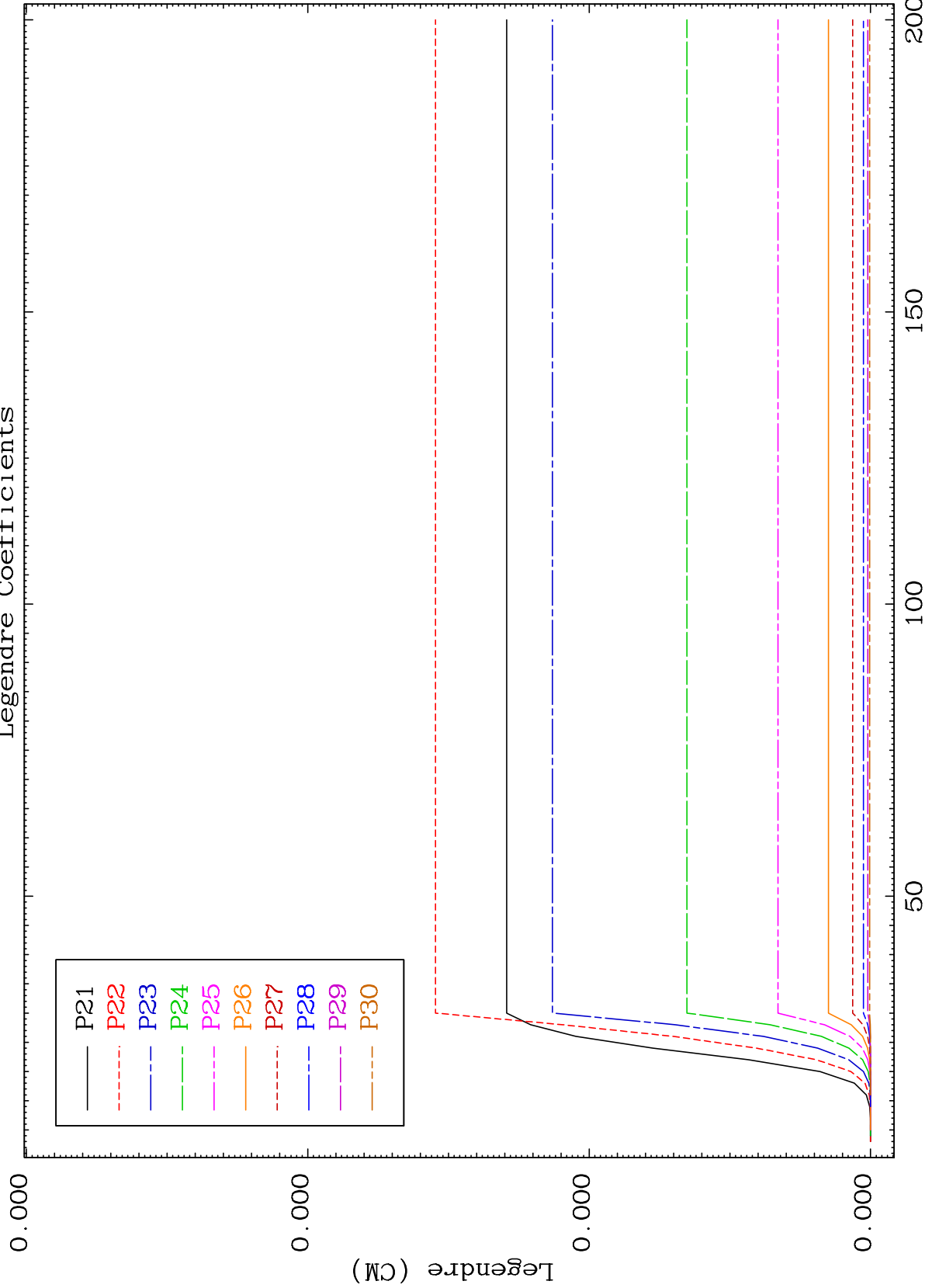
Incident Energy (MeV)

92

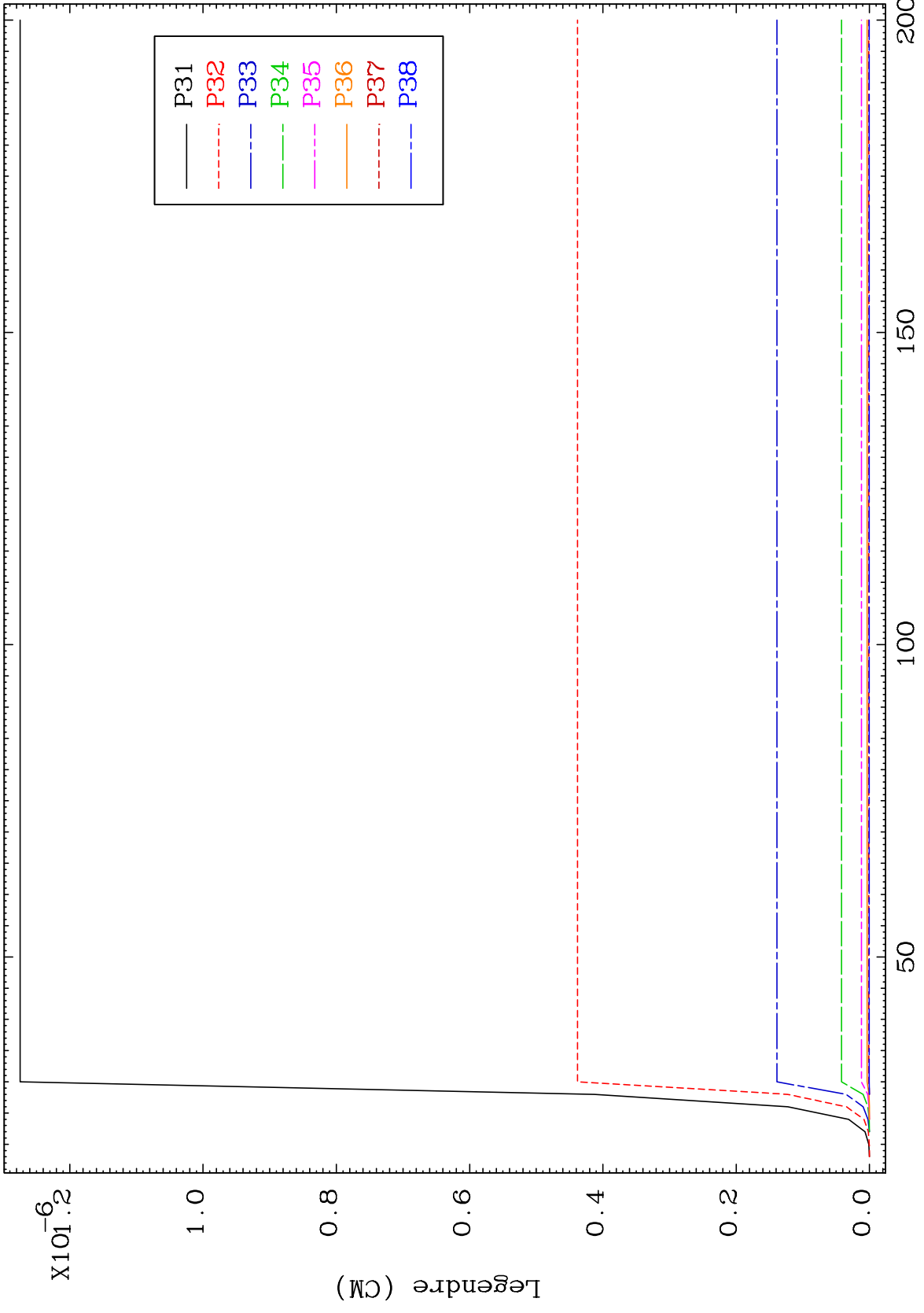
MAT 8040 MT= 69 (n,n') Level Legendre Coefficients

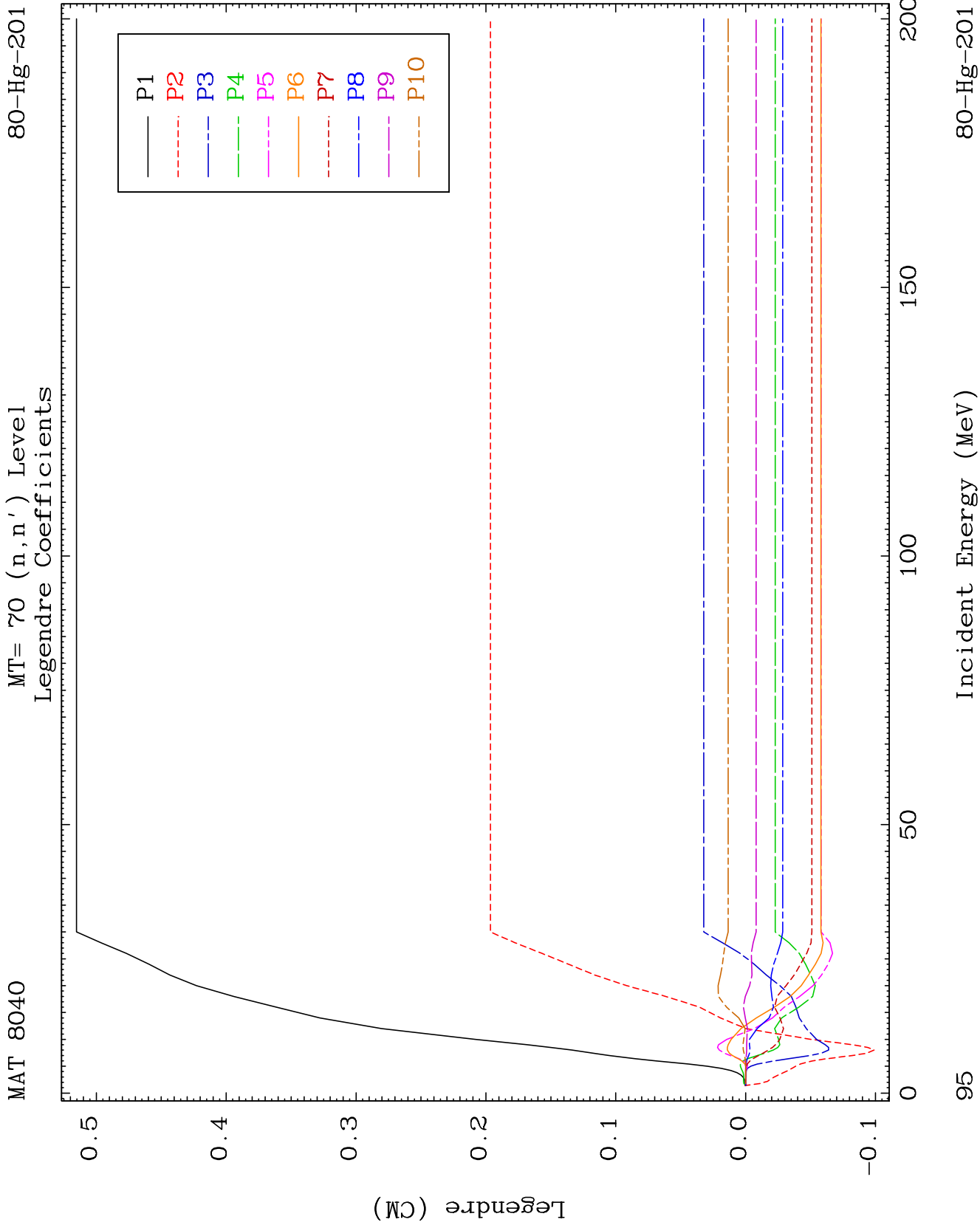
80-Hg-201

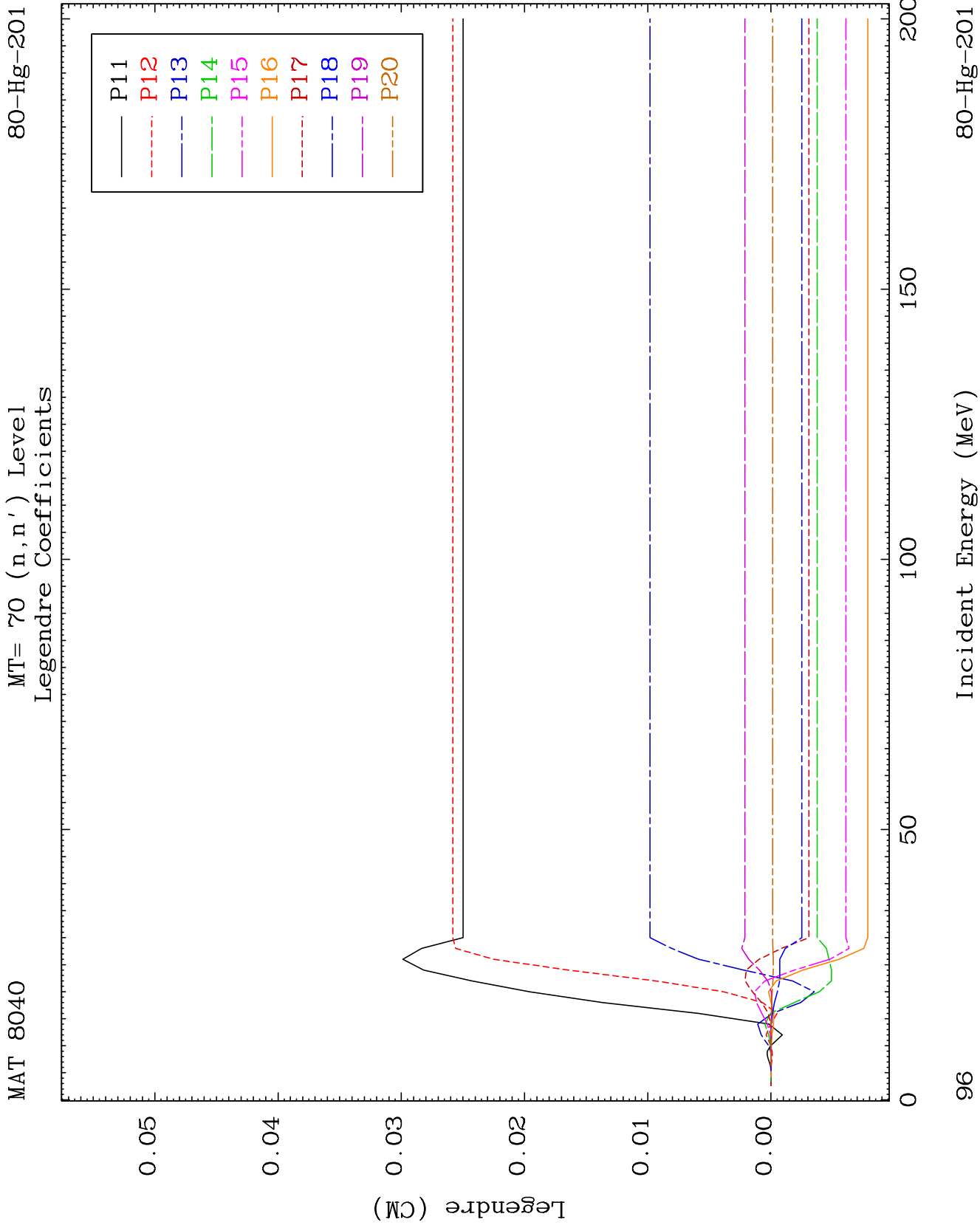
80-Hg-201



MAT 8040 MT= 69 (n,n') Level Legendre Coefficients 80-Hg-201



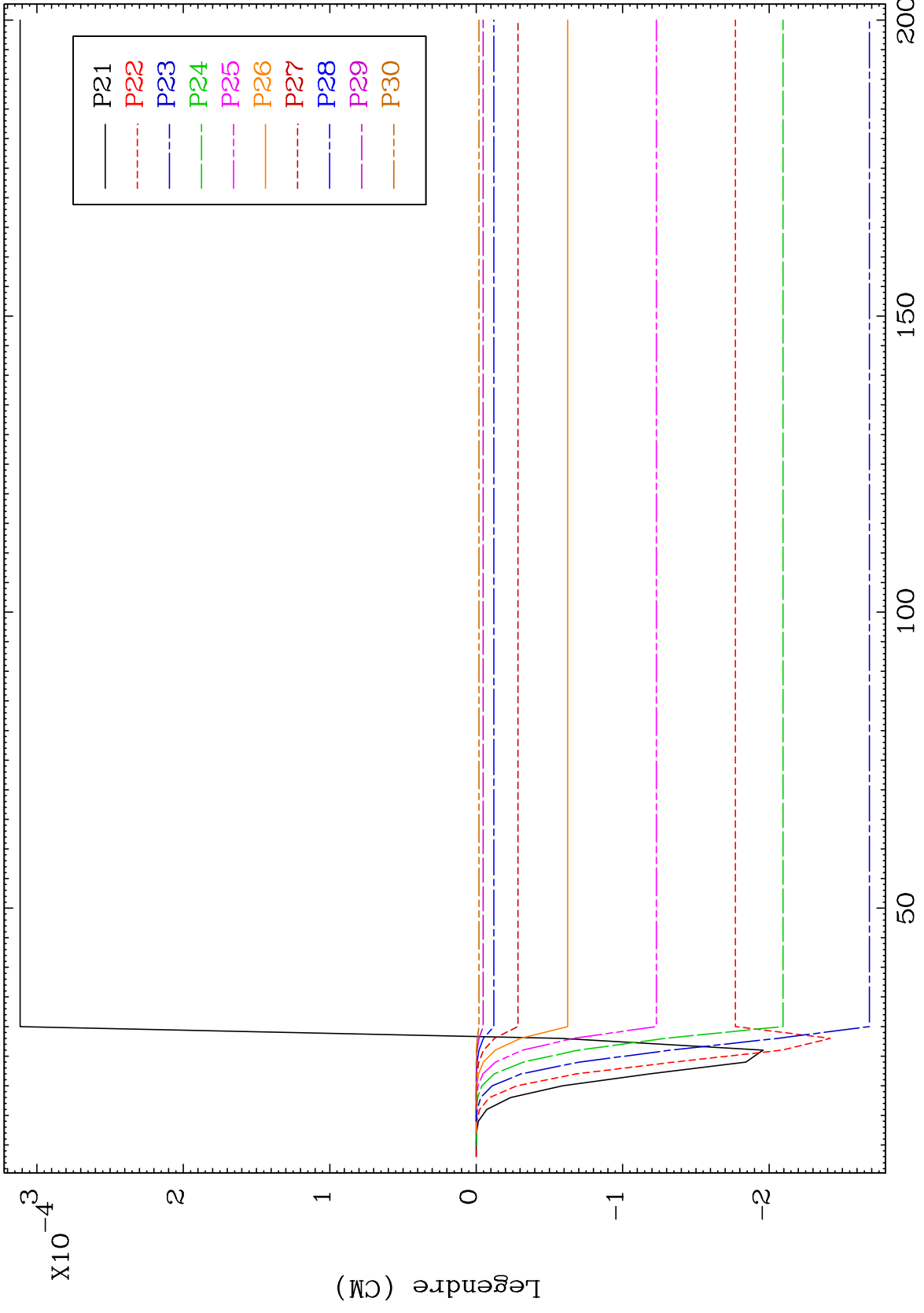




MAT 8040

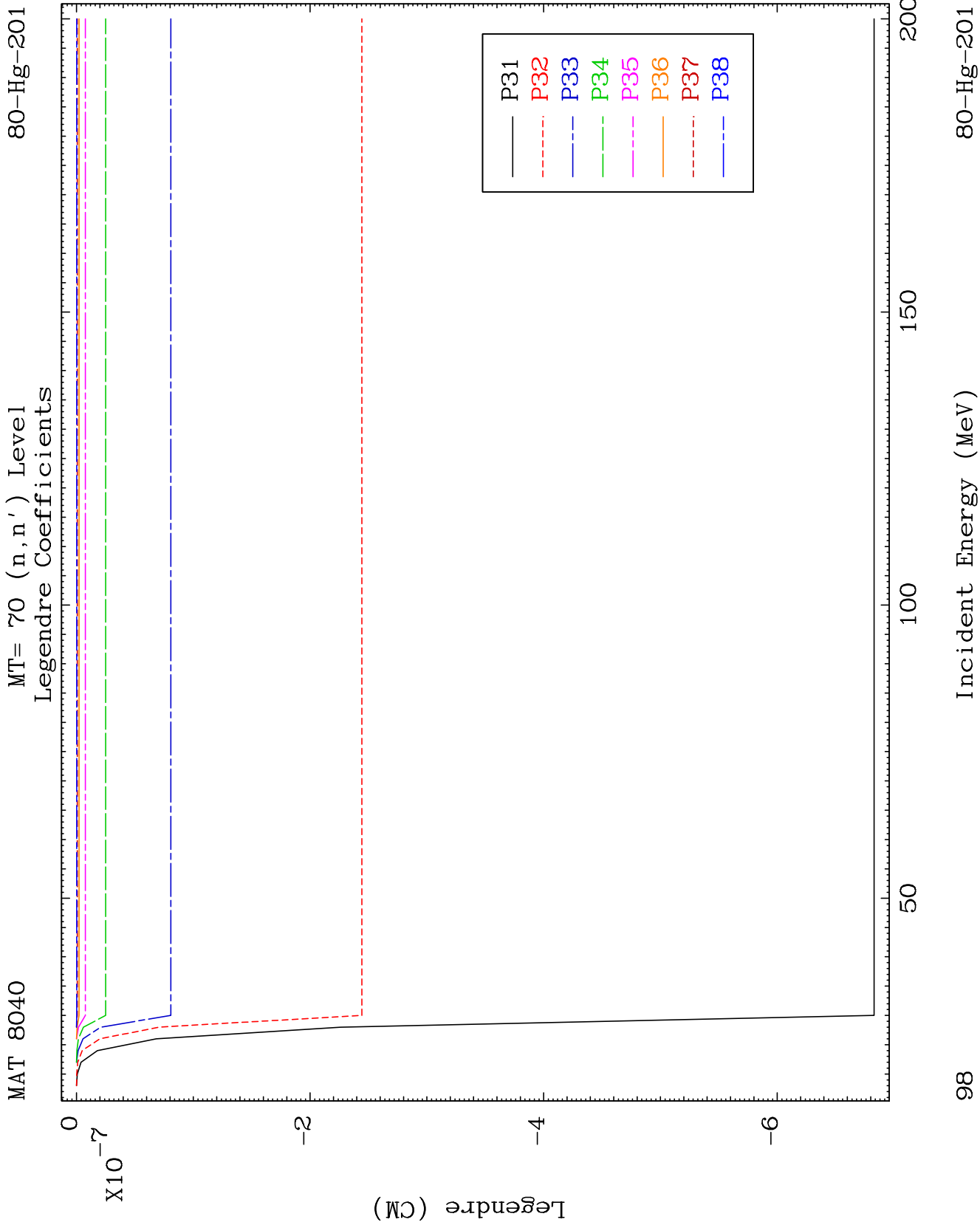
MT= 70 (n,n') Level
Legendre Coefficients

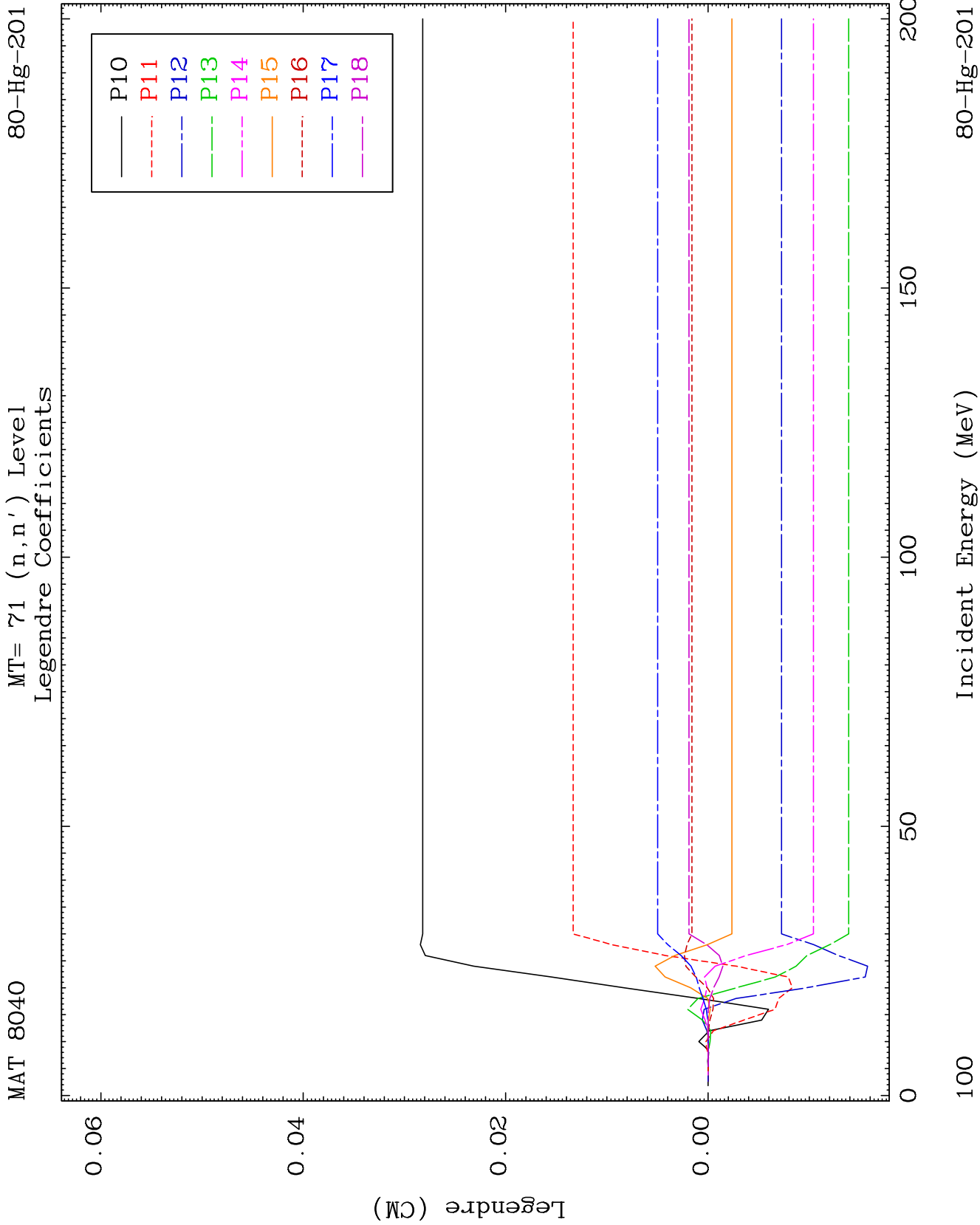
80-Hg-201



97

80-Hg-201

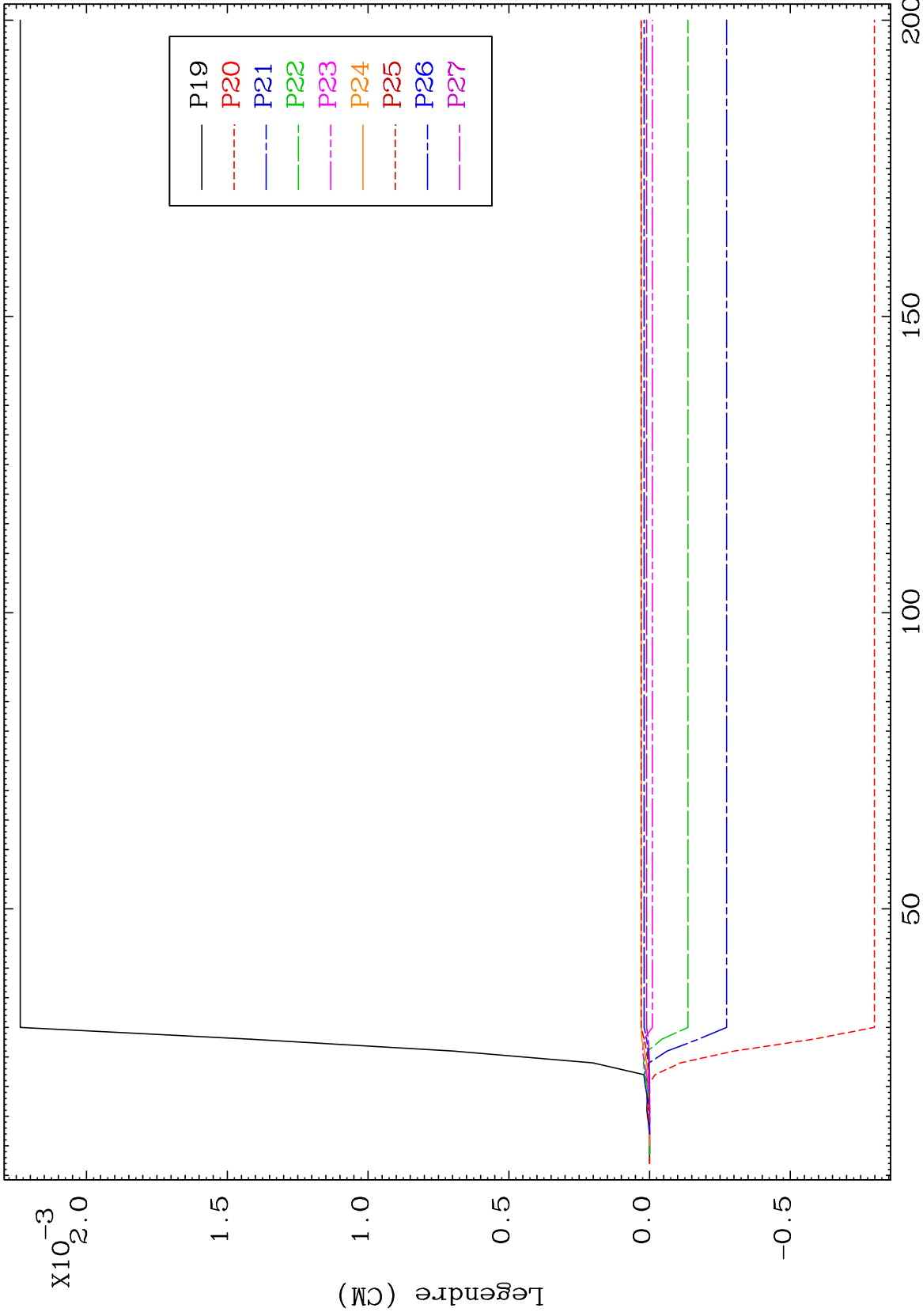




MAT 8040

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

80-Hg-201

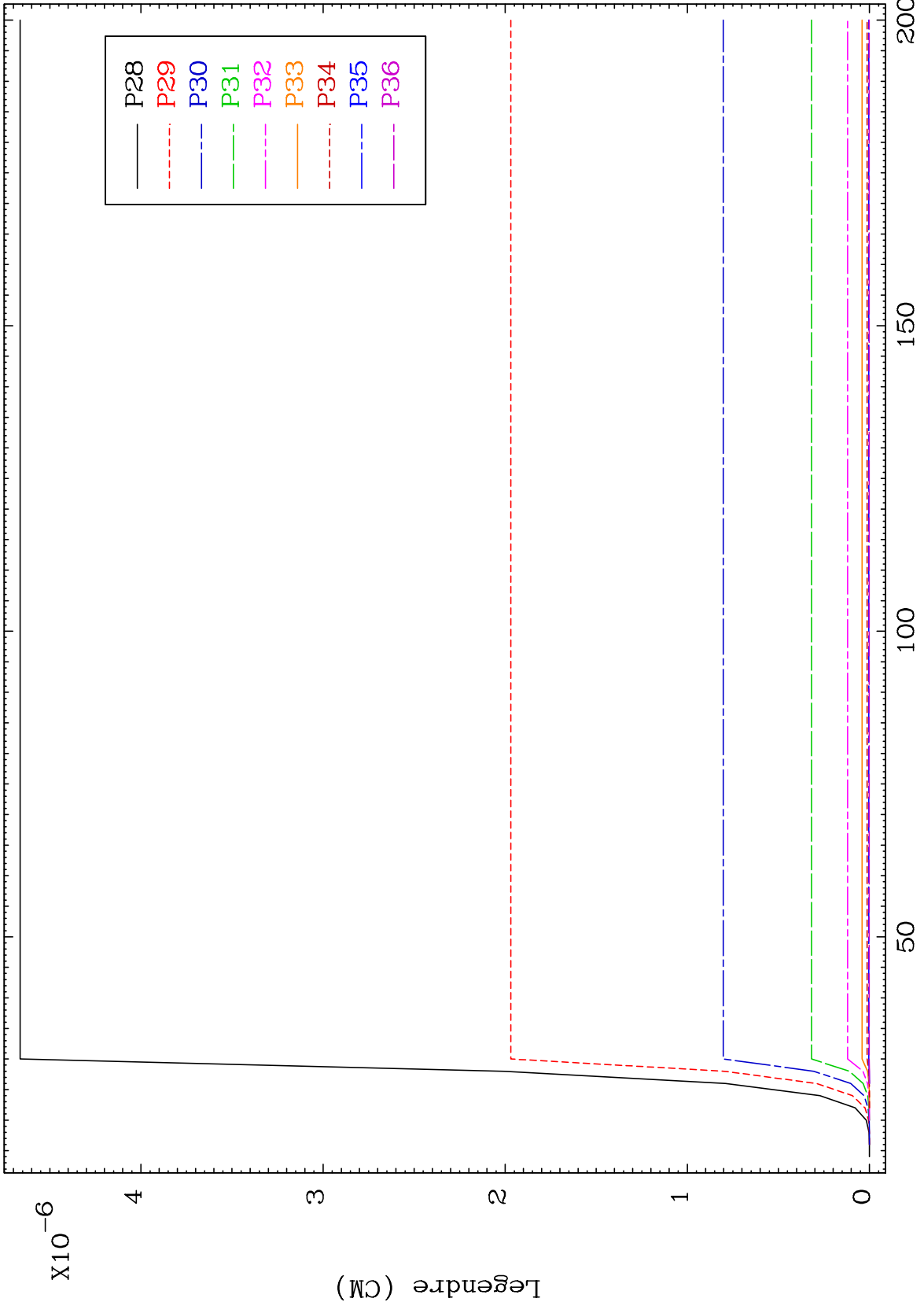


101

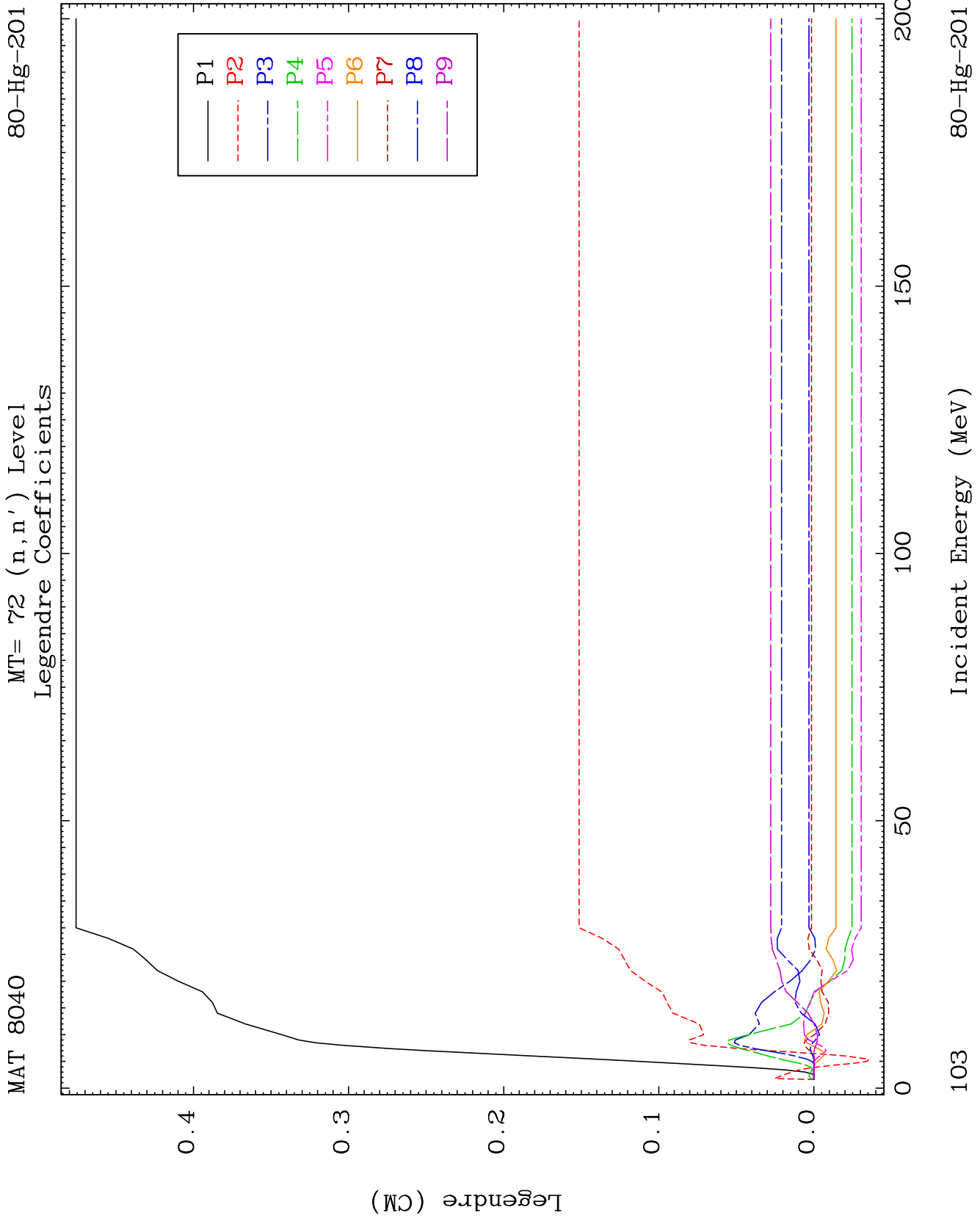
Incident Energy (MeV)

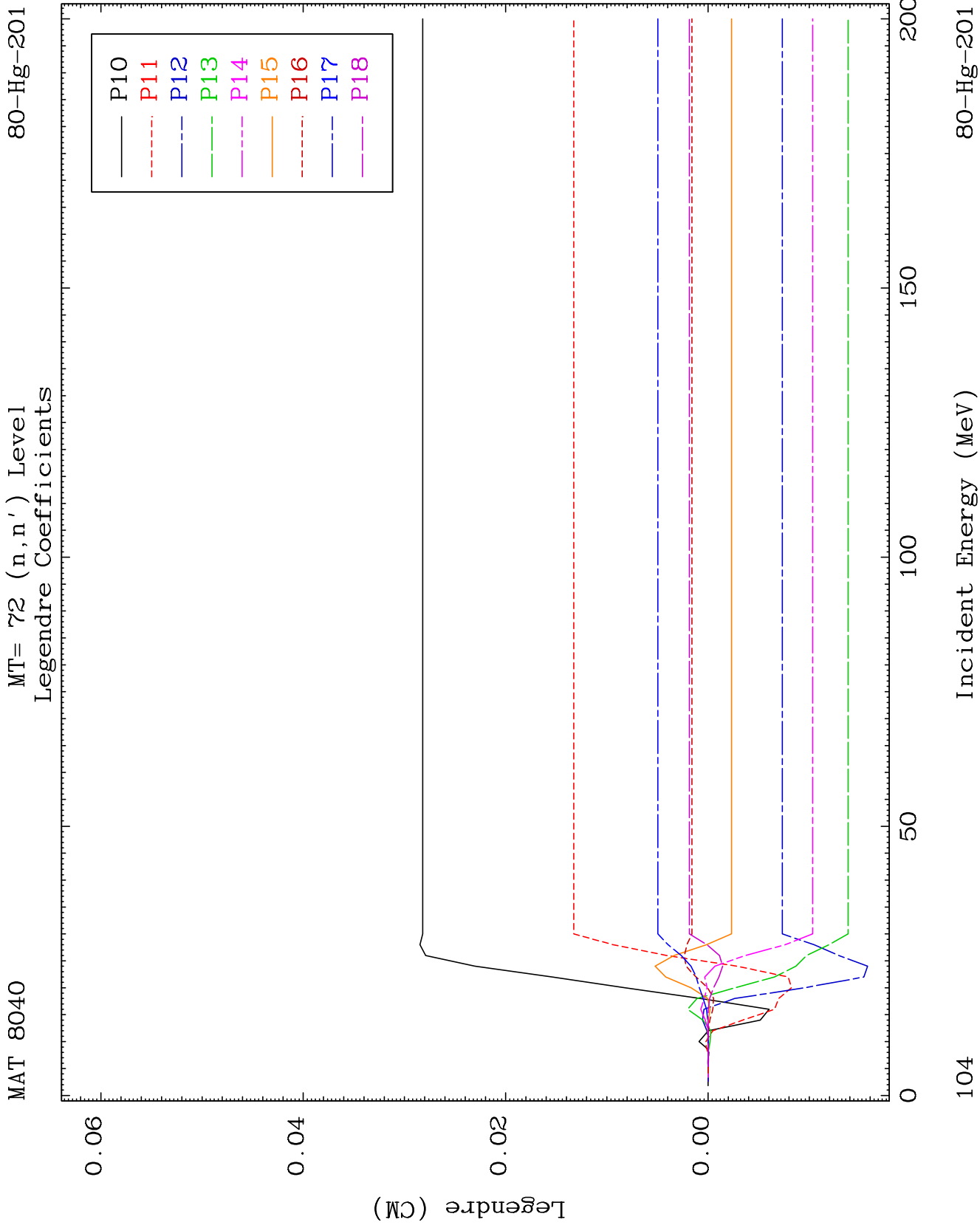
80-Hg-201

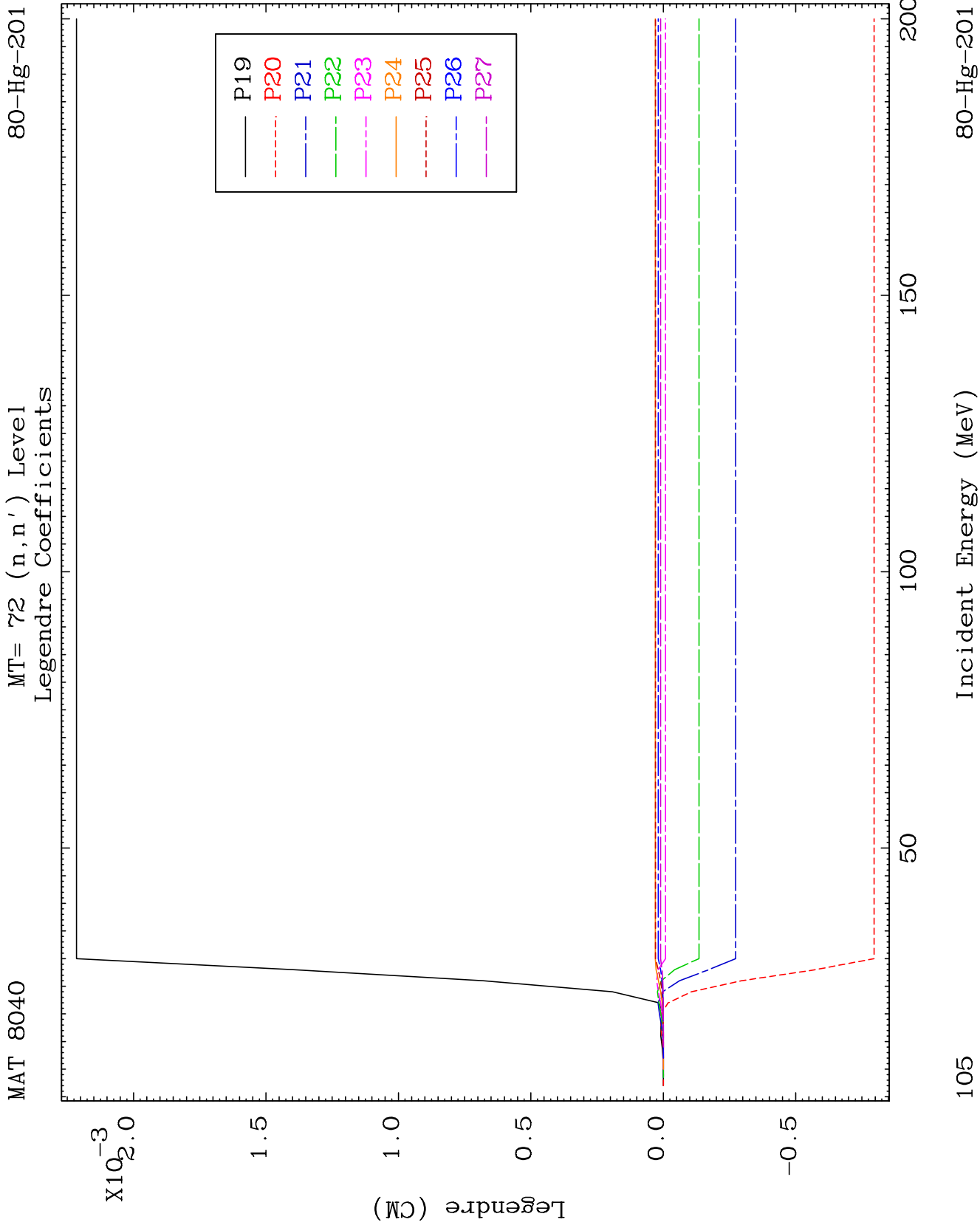
MAT 8040 MT= 71 (n,n') Level Legendre Coefficients 80-Hg-201



102 50 100 150 200 80-Hg-201



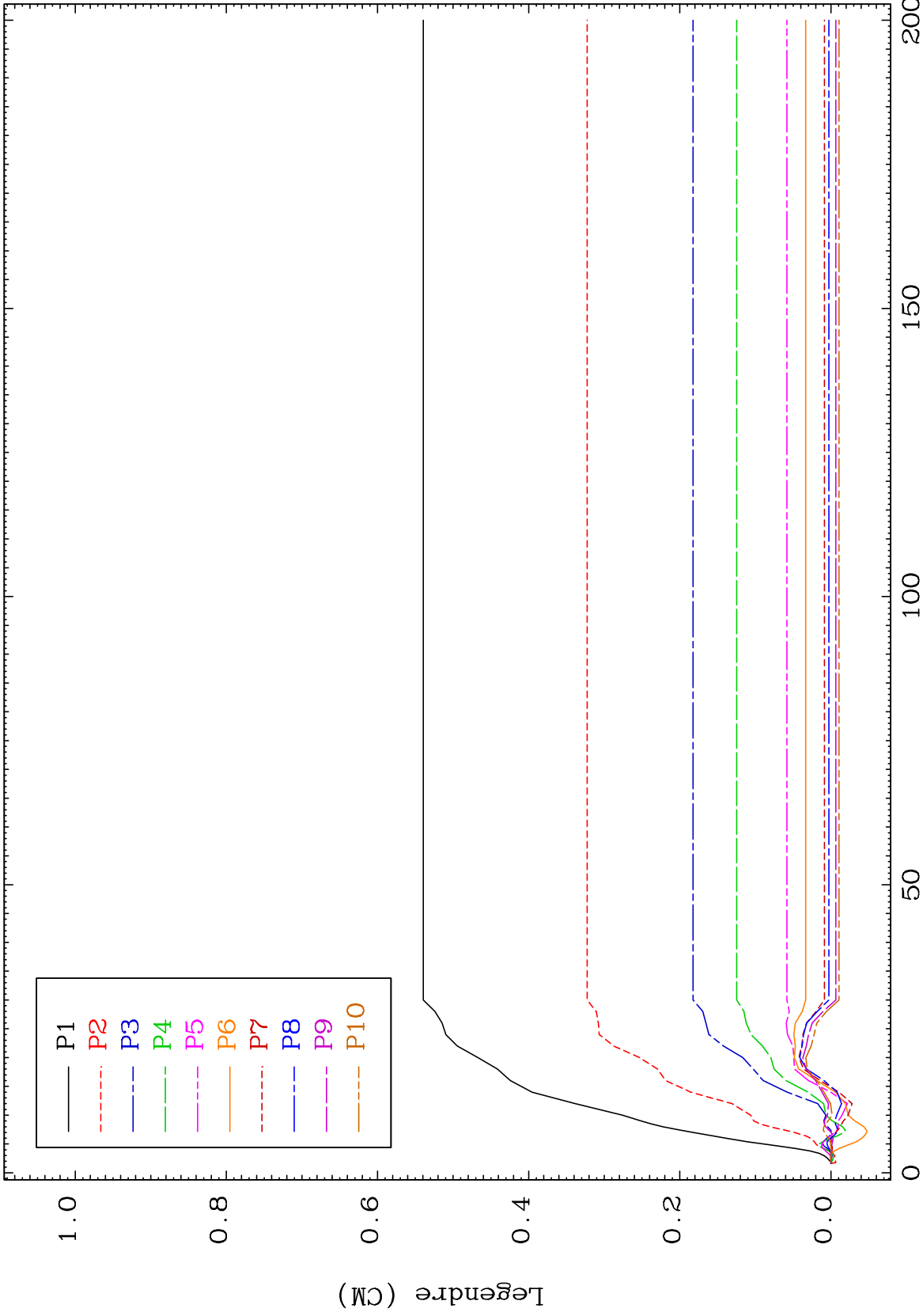




MAT 8040

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

80-Hg-201



107

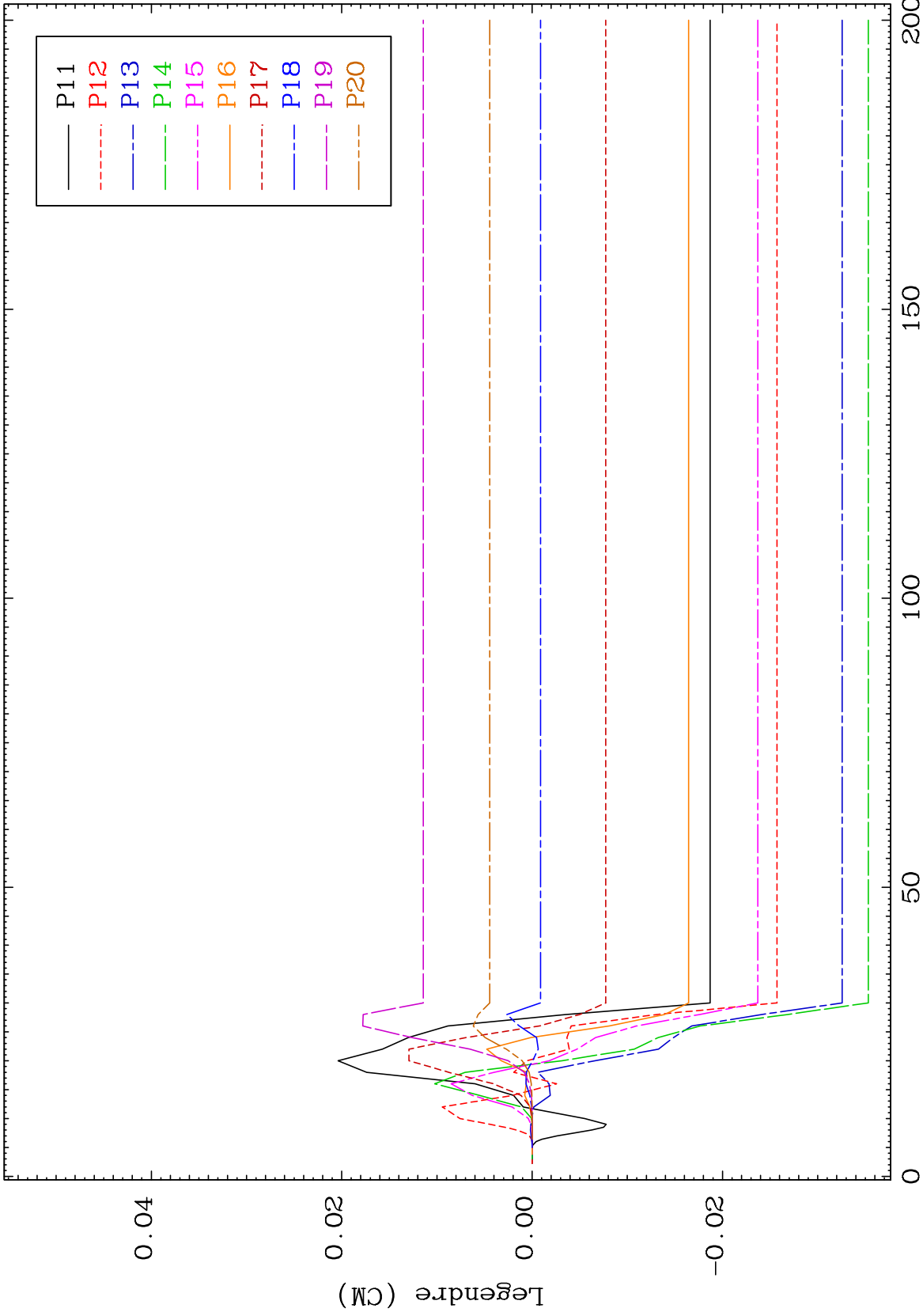
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



108

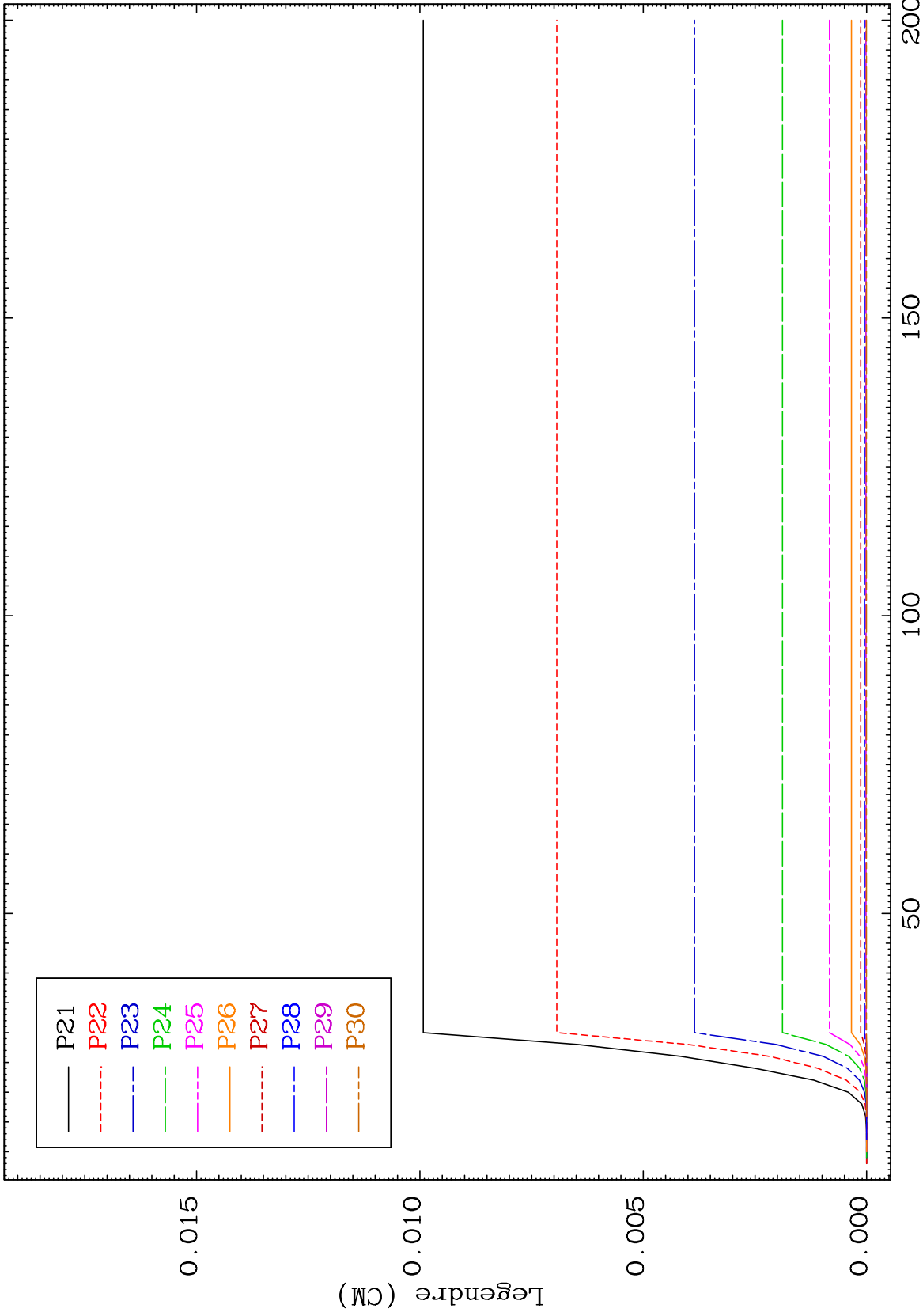
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

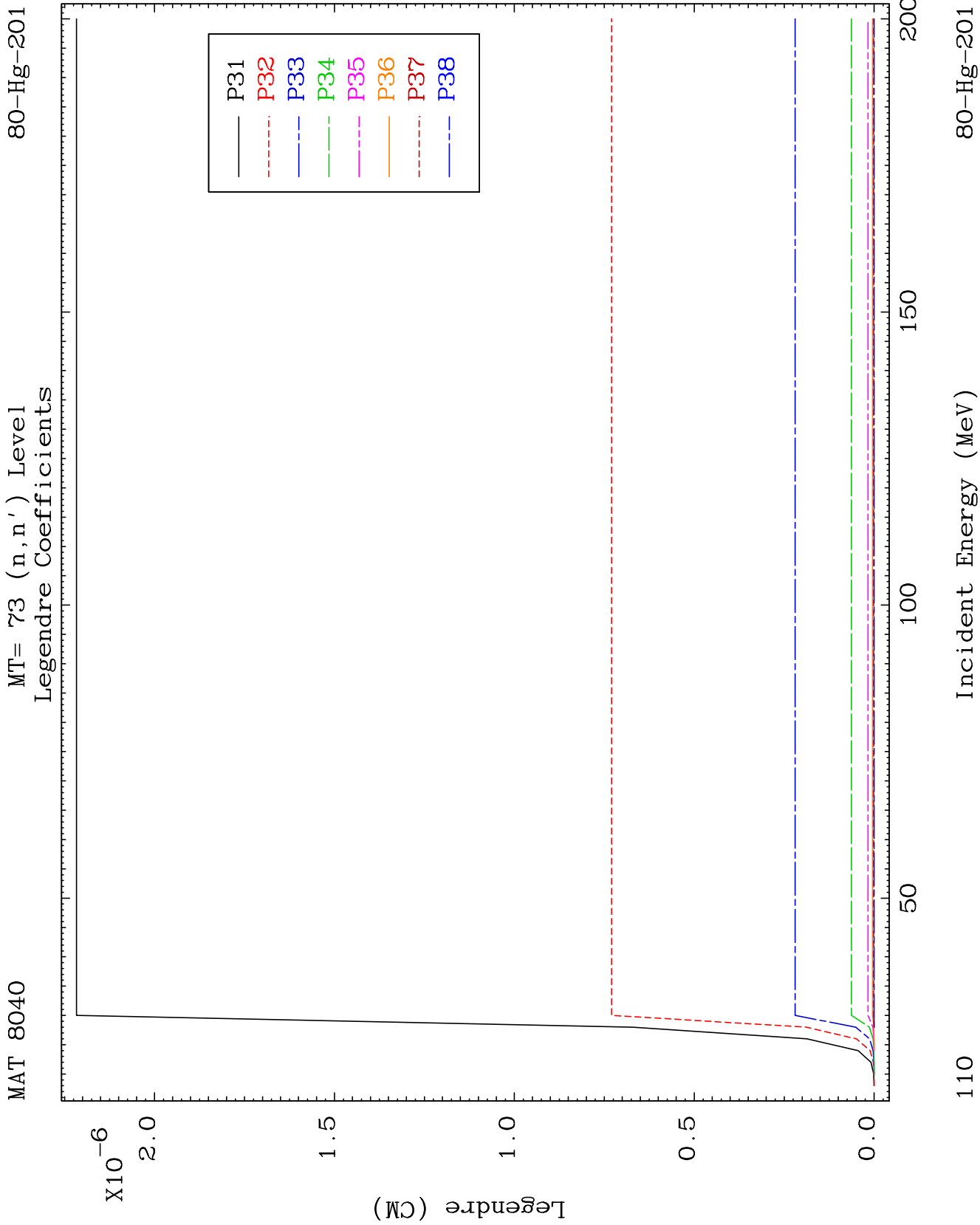
80-Hg-201



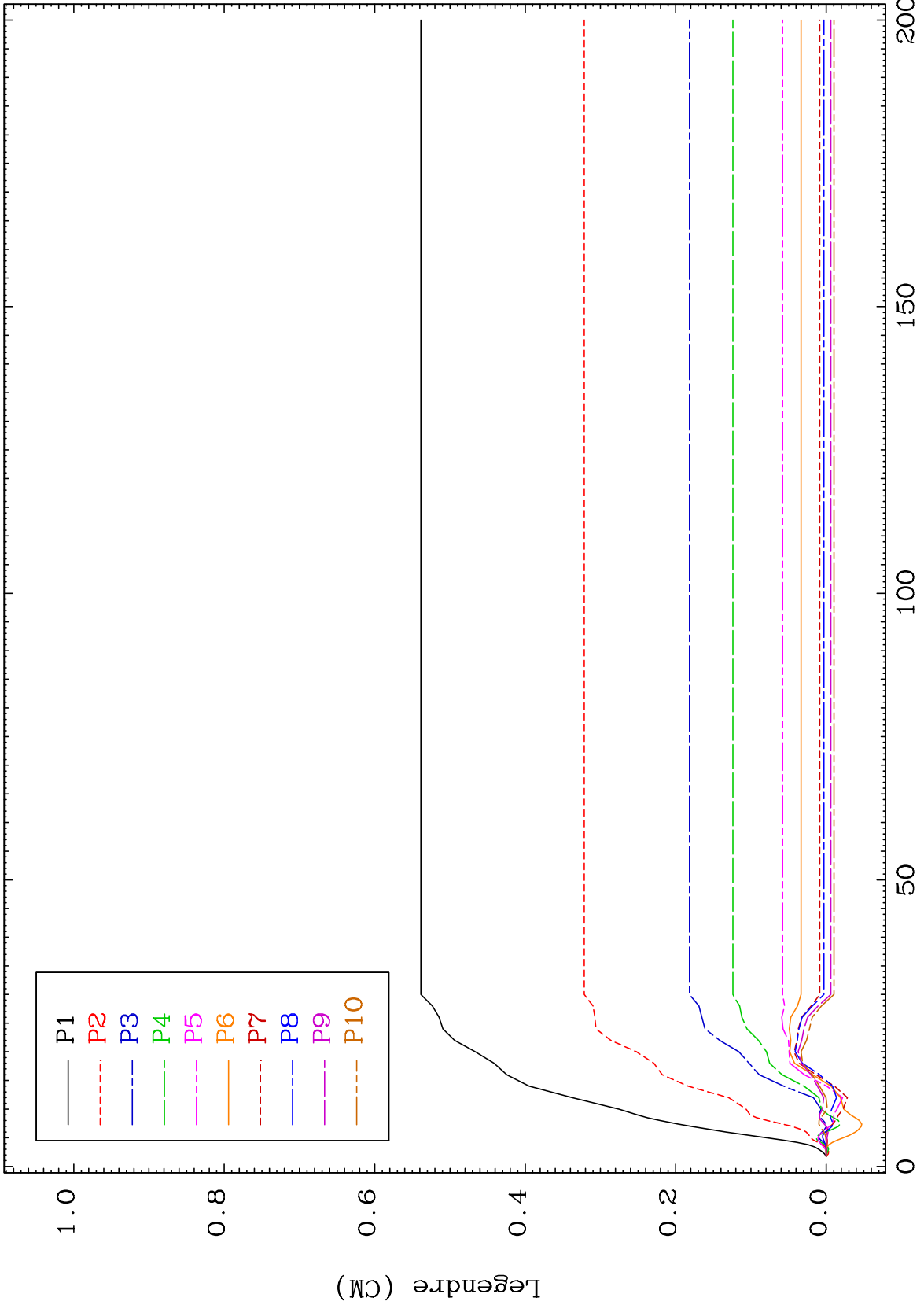
109

Incident Energy (MeV)

80-Hg-201

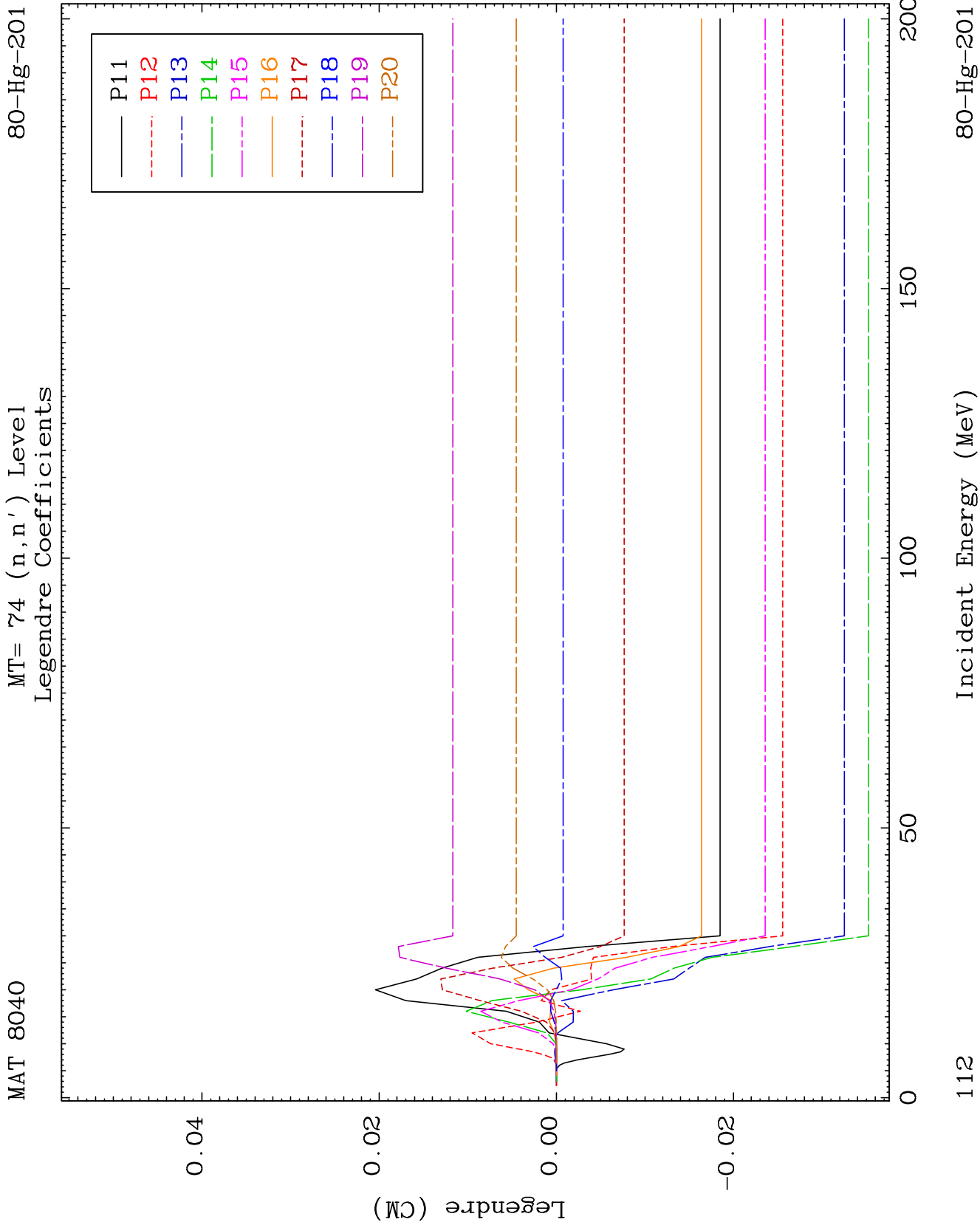


MAT 8040 MT= 74 (n,n') Level Legendre Coefficients 80-Hg-201



80-Hg-201

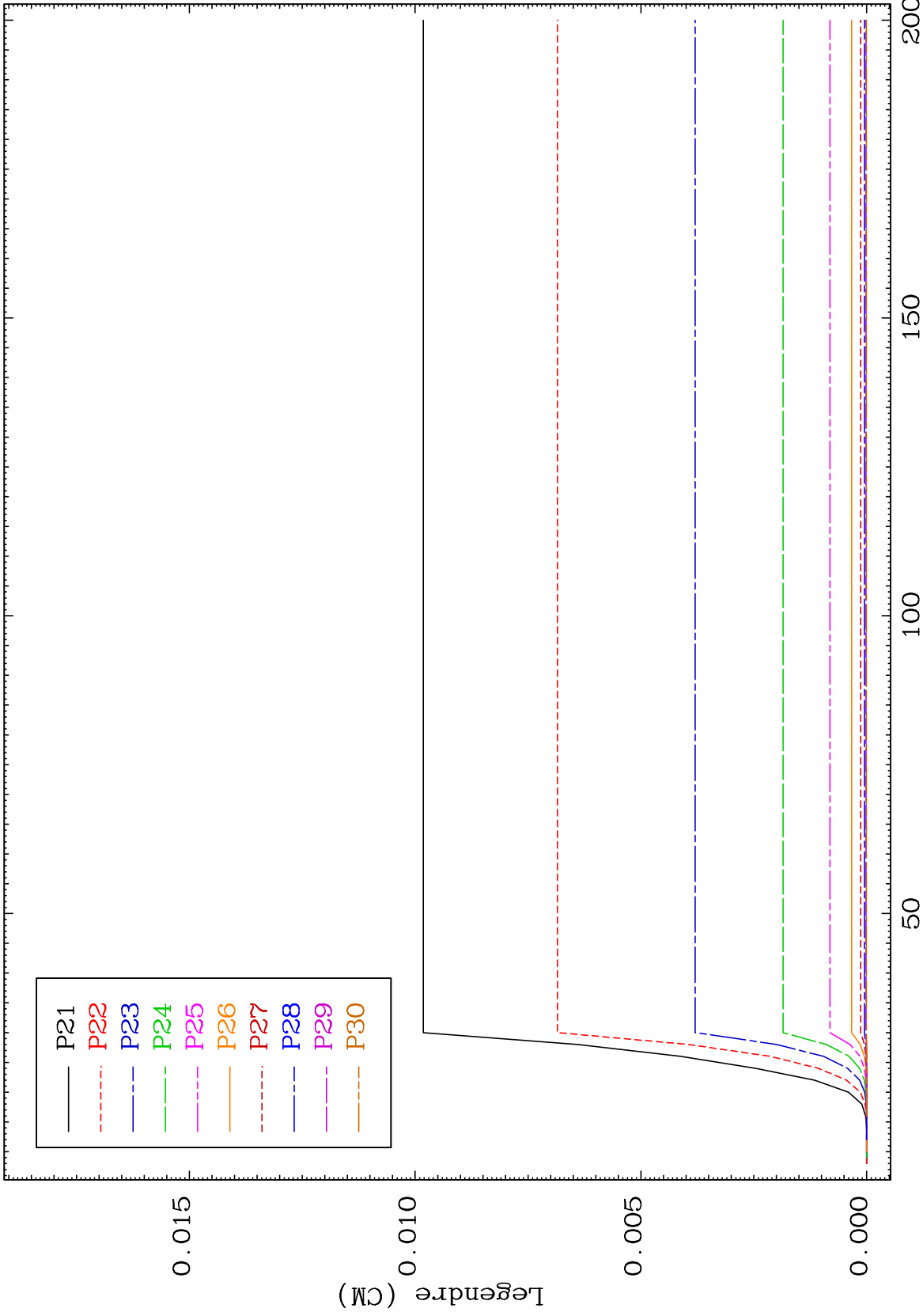
Incident Energy (MeV)



MAT 8040

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

80-Hg-201

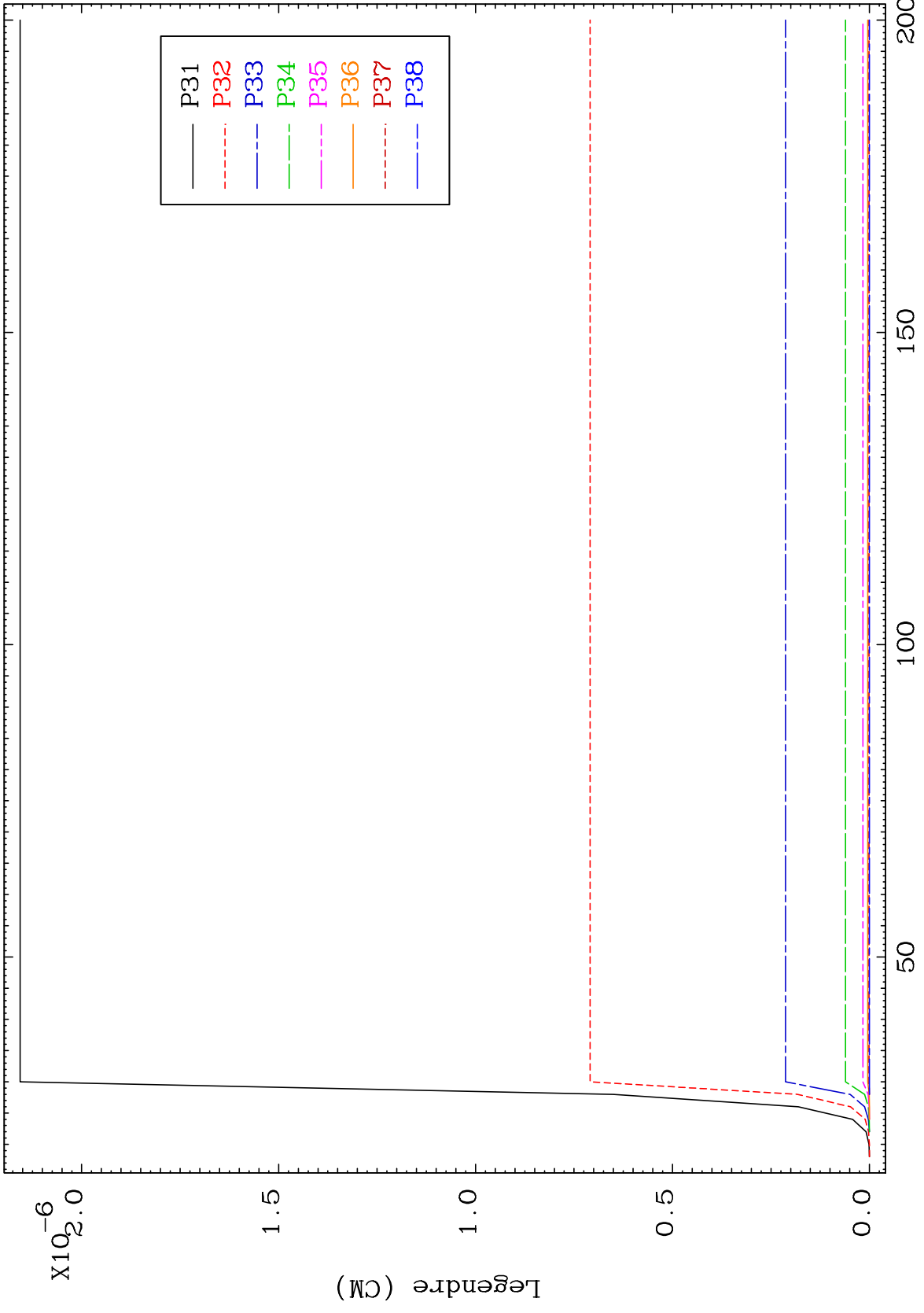


113

Incident Energy (MeV)

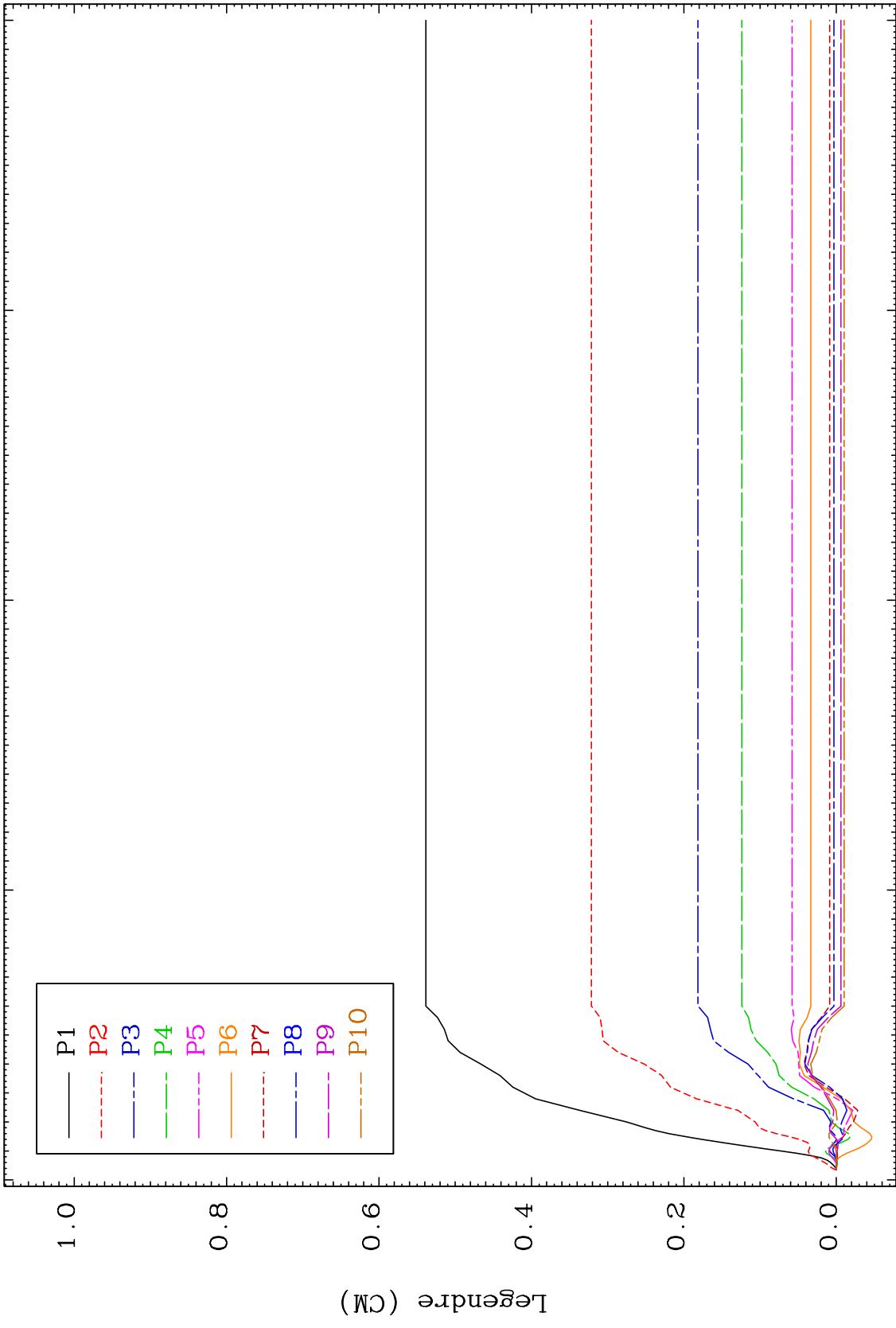
80-Hg-201

MAT 8040 MT= 74 (n,n') Level Legendre Coefficients 80-Hg-201

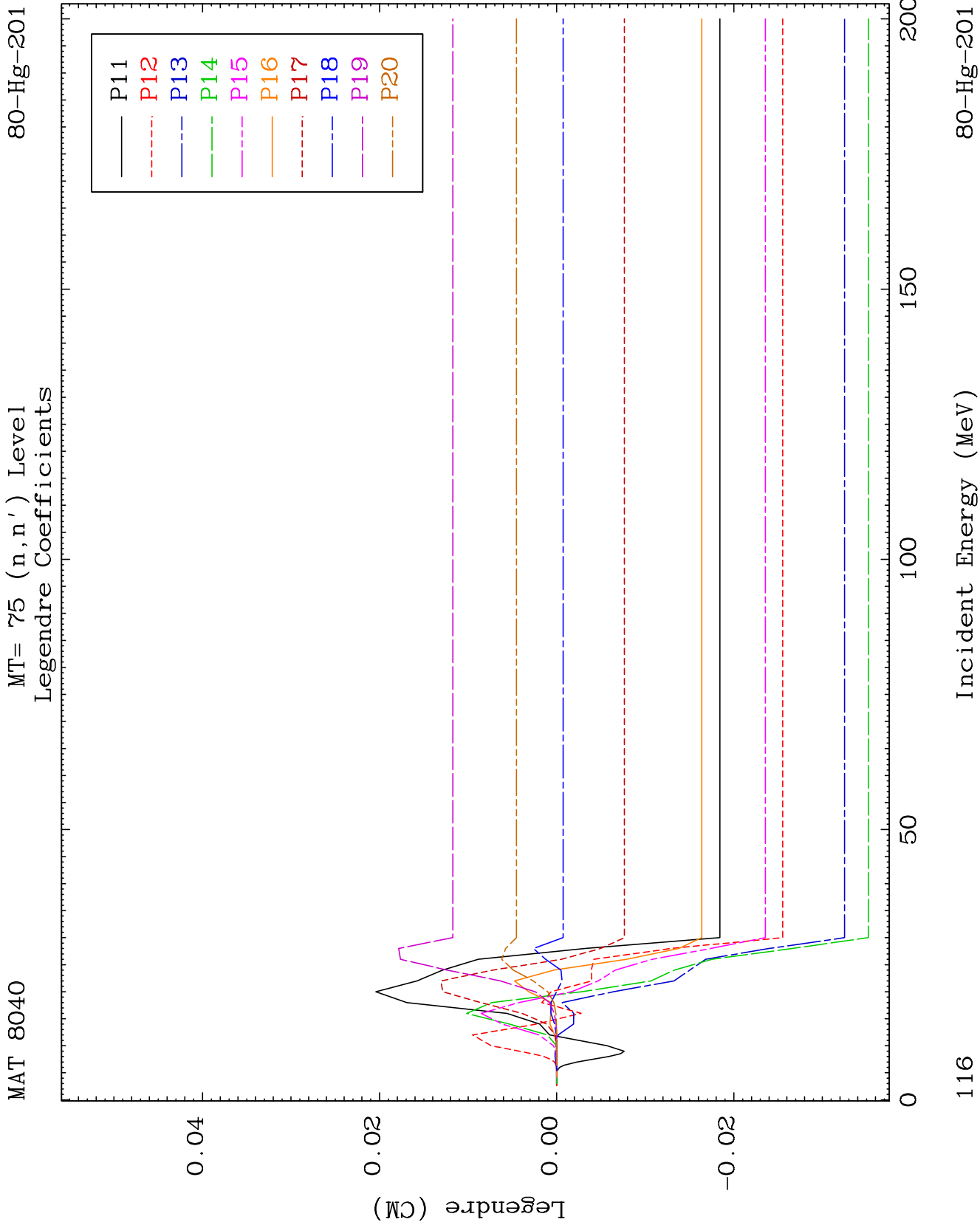


114 80-Hg-201

MAT 8040 MT= 75 (n,n') Level Legendre Coefficients 80-Hg-201



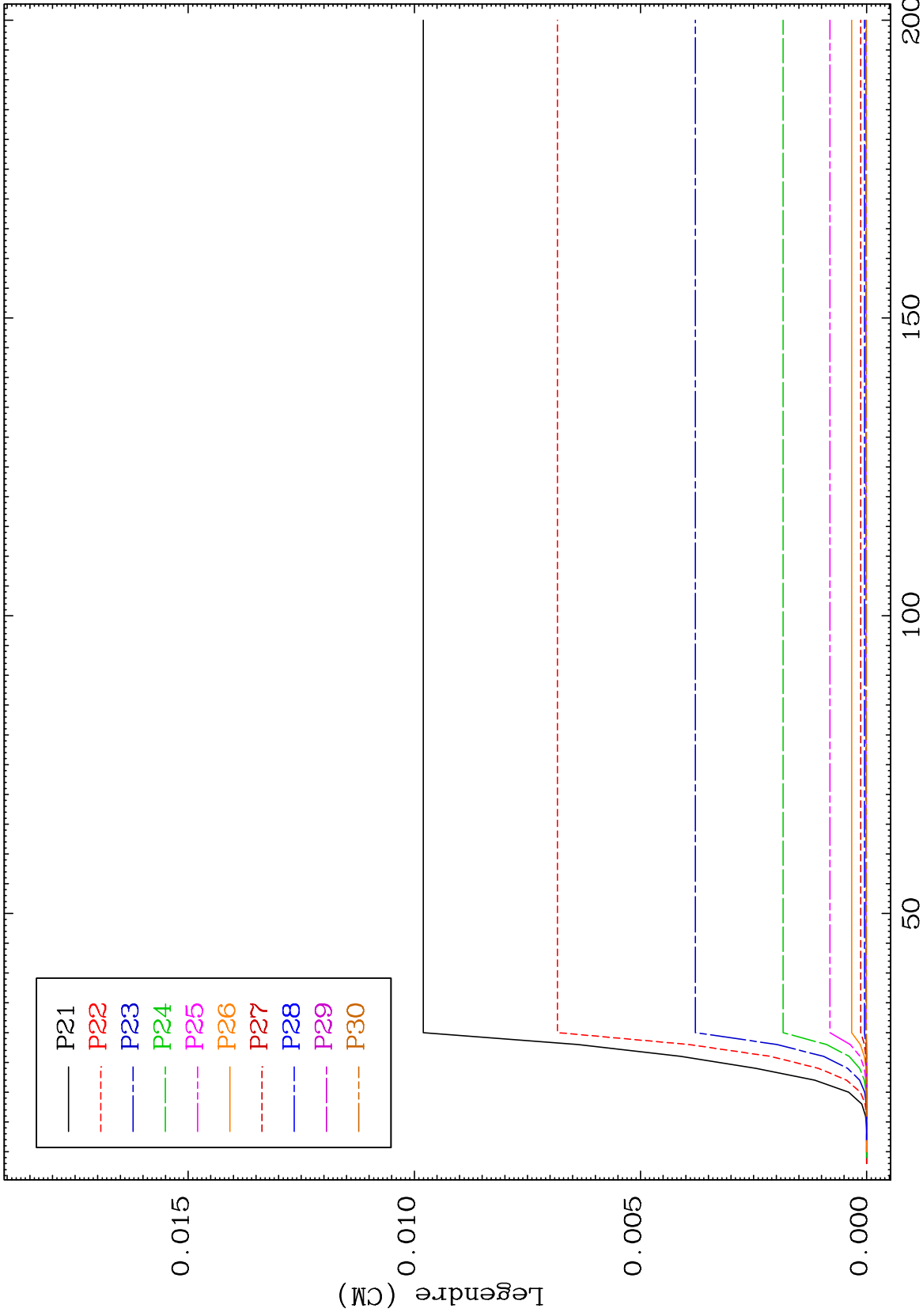
115 Incident Energy (MeV) 80-Hg-201



MAT 8040

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

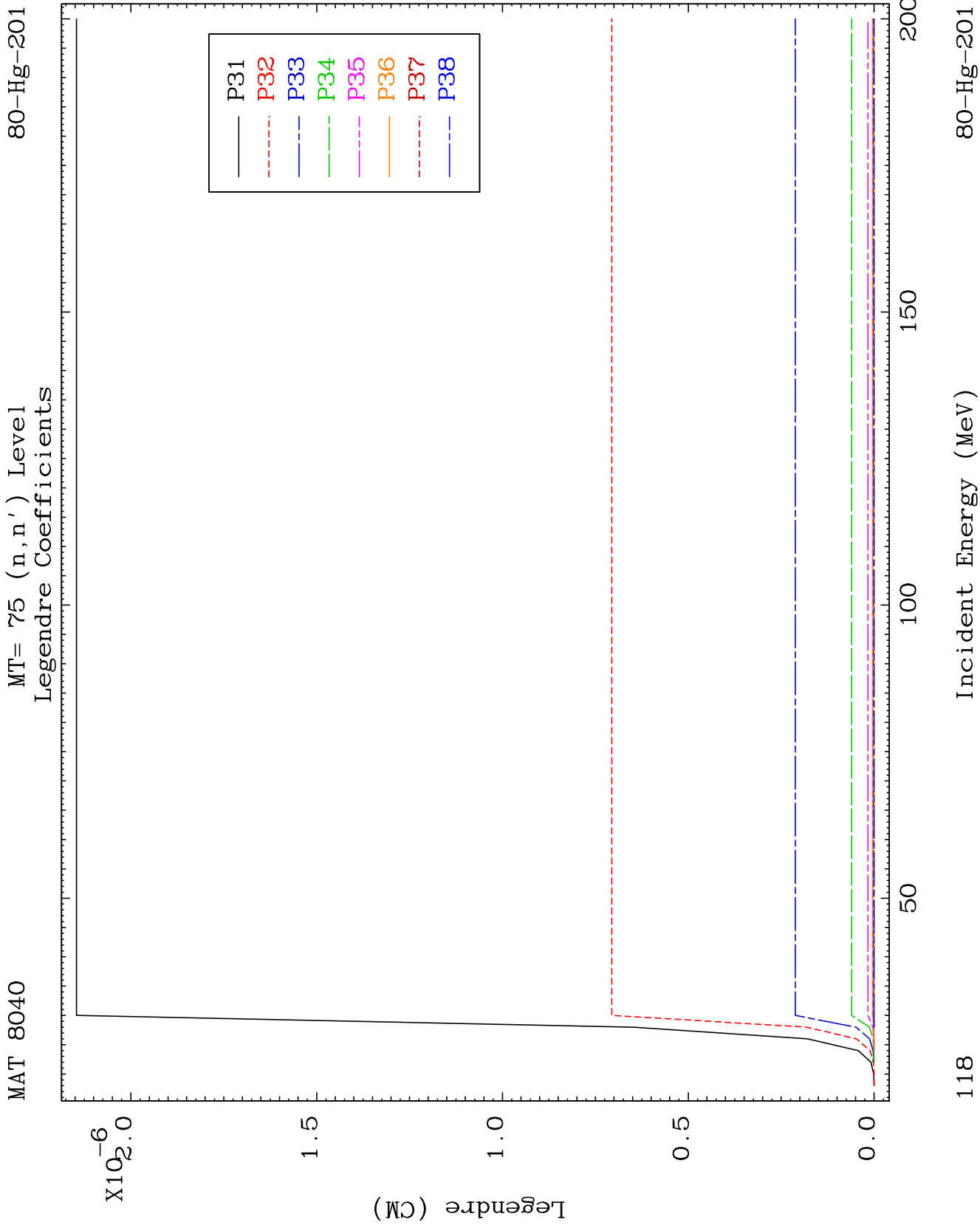
80-Hg-201



117

Incident Energy (MeV)

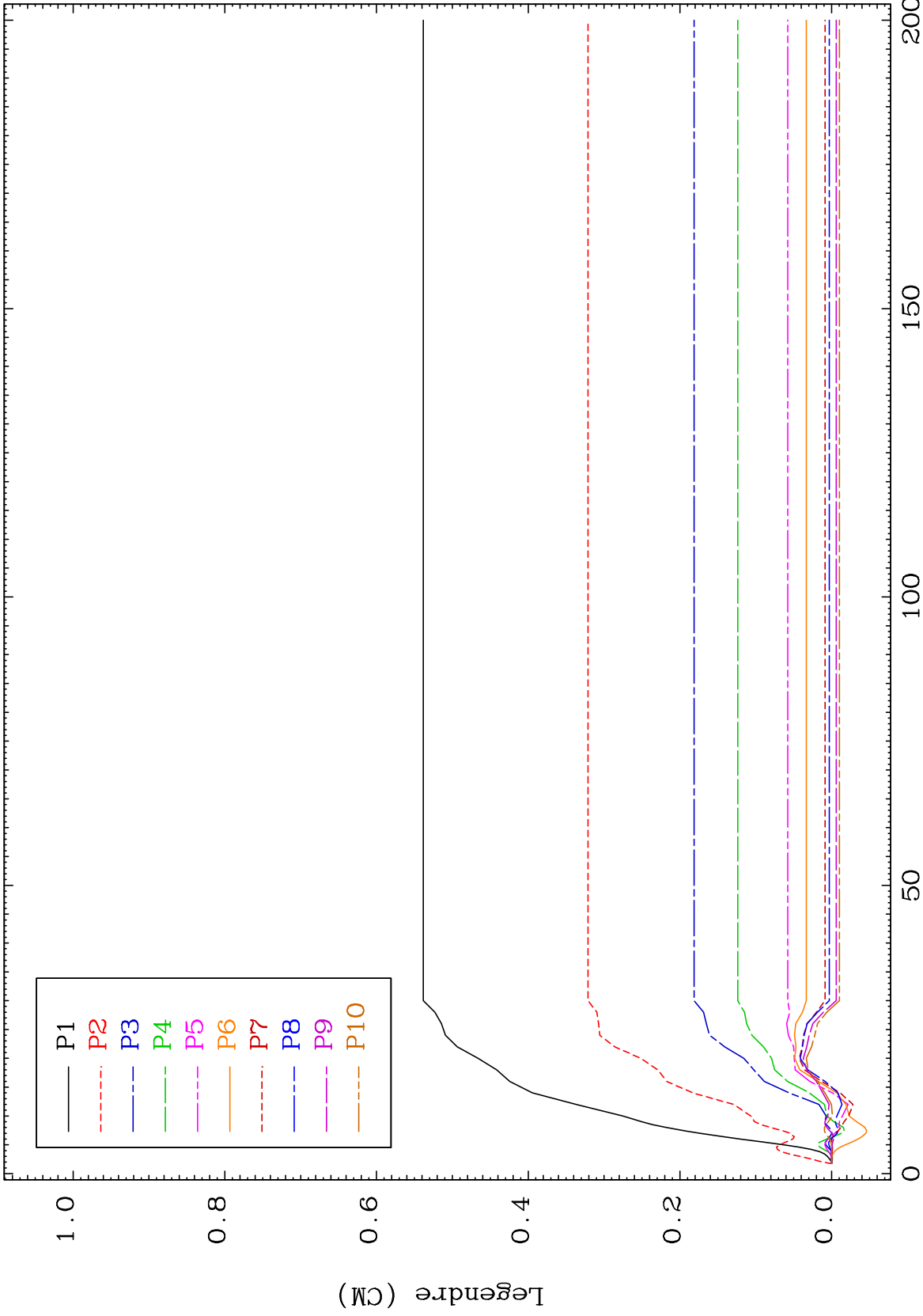
80-Hg-201



MAT 8040

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

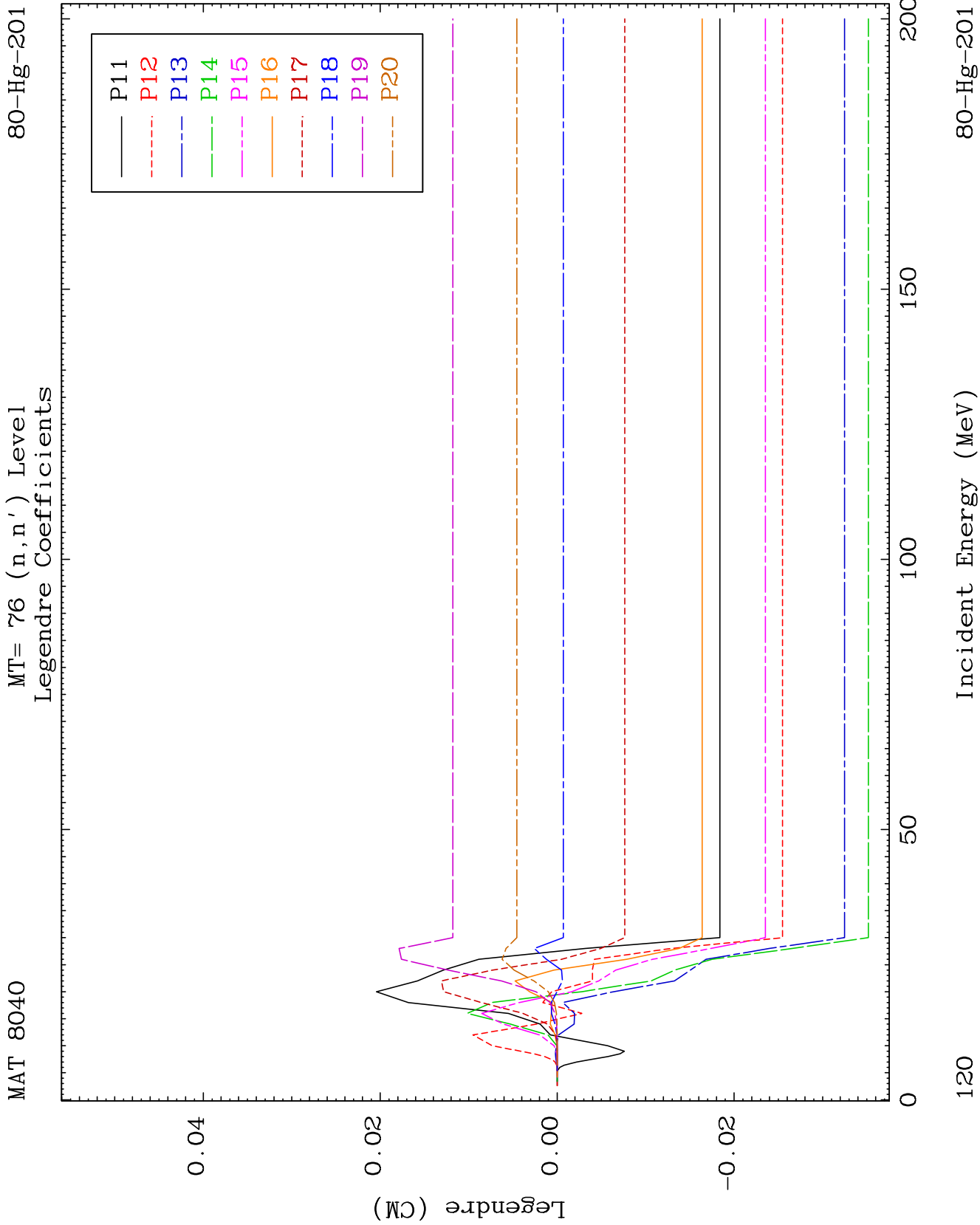
80-Hg-201



119

Incident Energy (MeV)

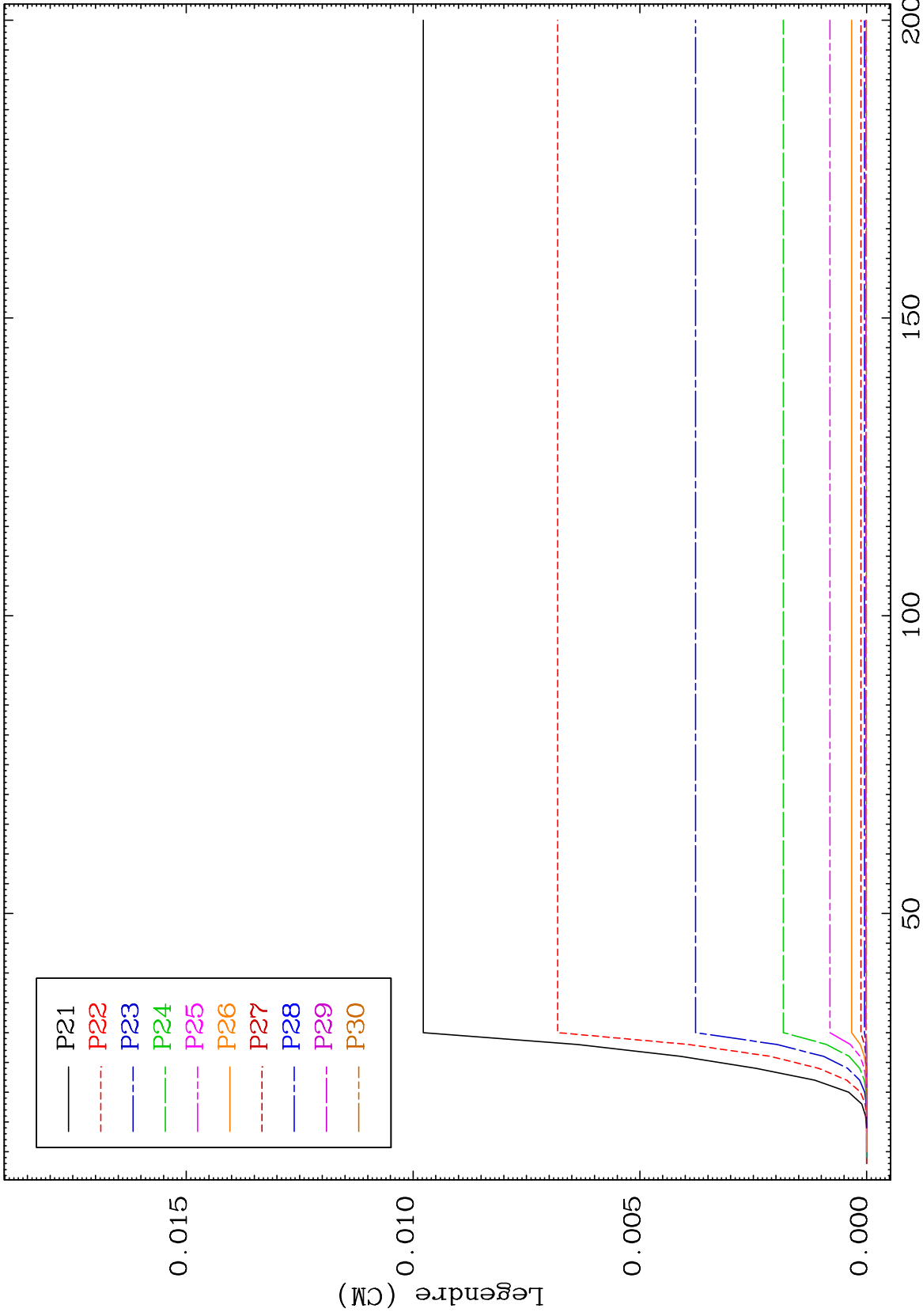
80-Hg-201



MAT 8040

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

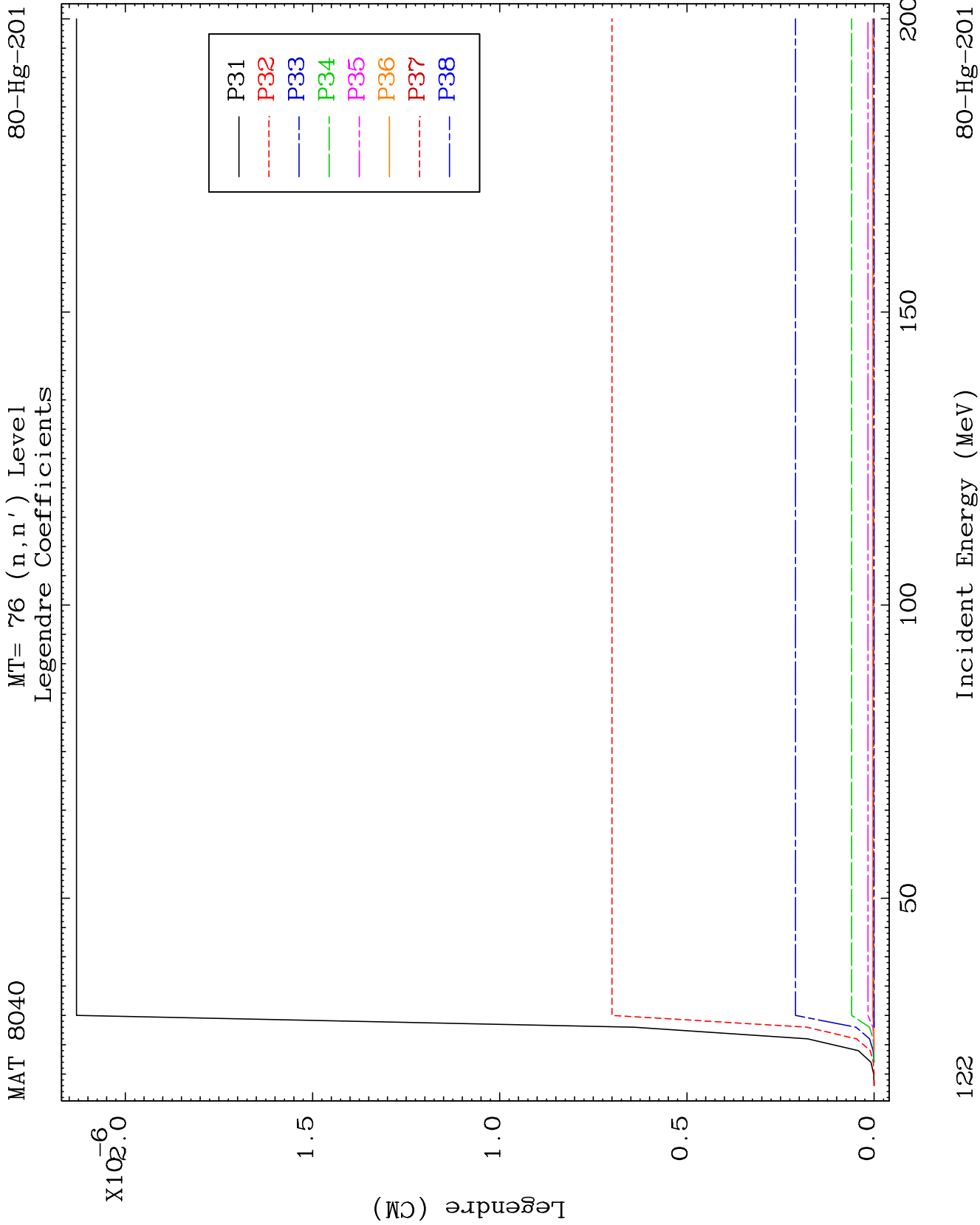
80-Hg-201



121

Incident Energy (MeV)

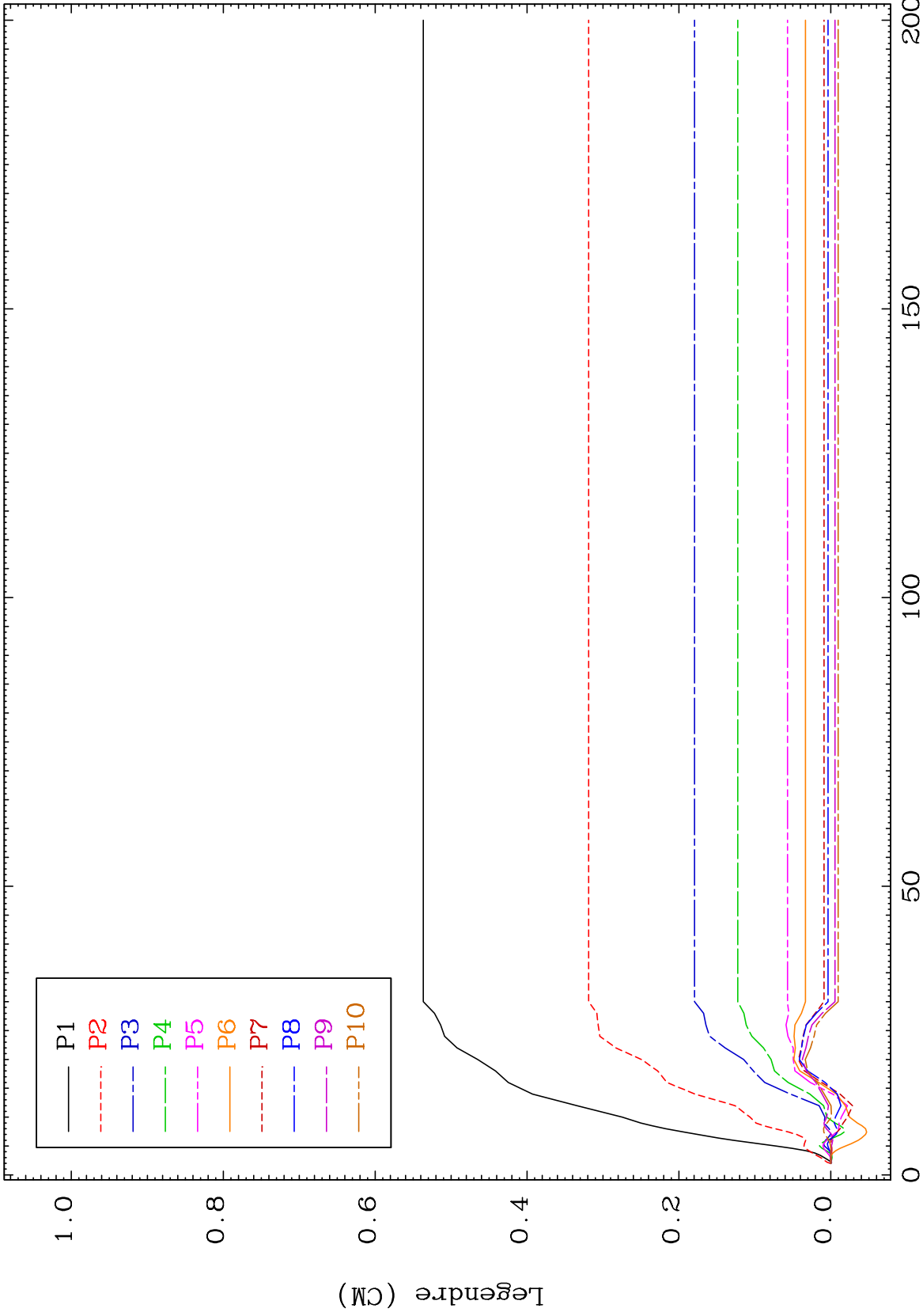
80-Hg-201



MAT 8040

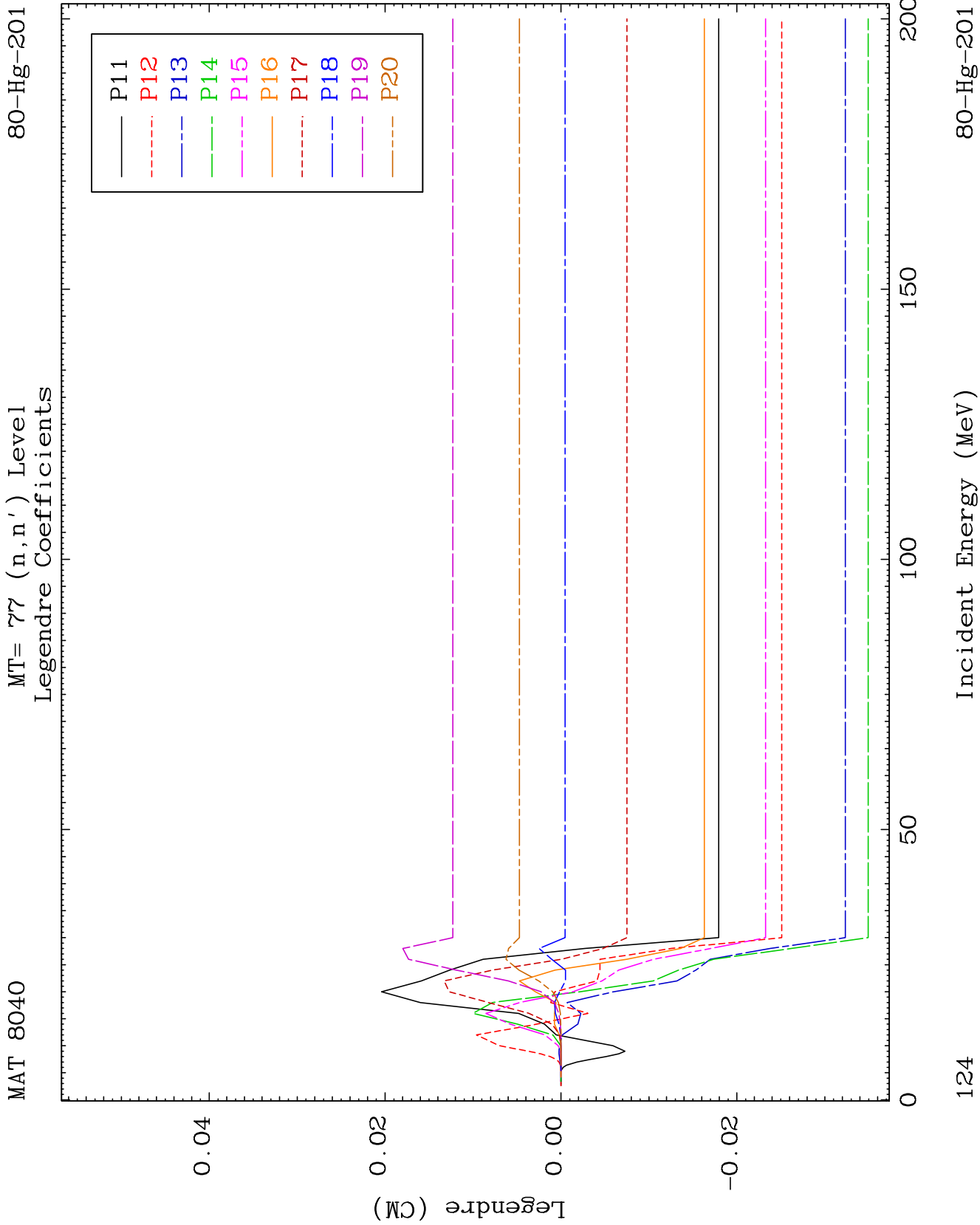
MT= 77 (n,n') Level
Legendre Coefficients

80-Hg-201



123

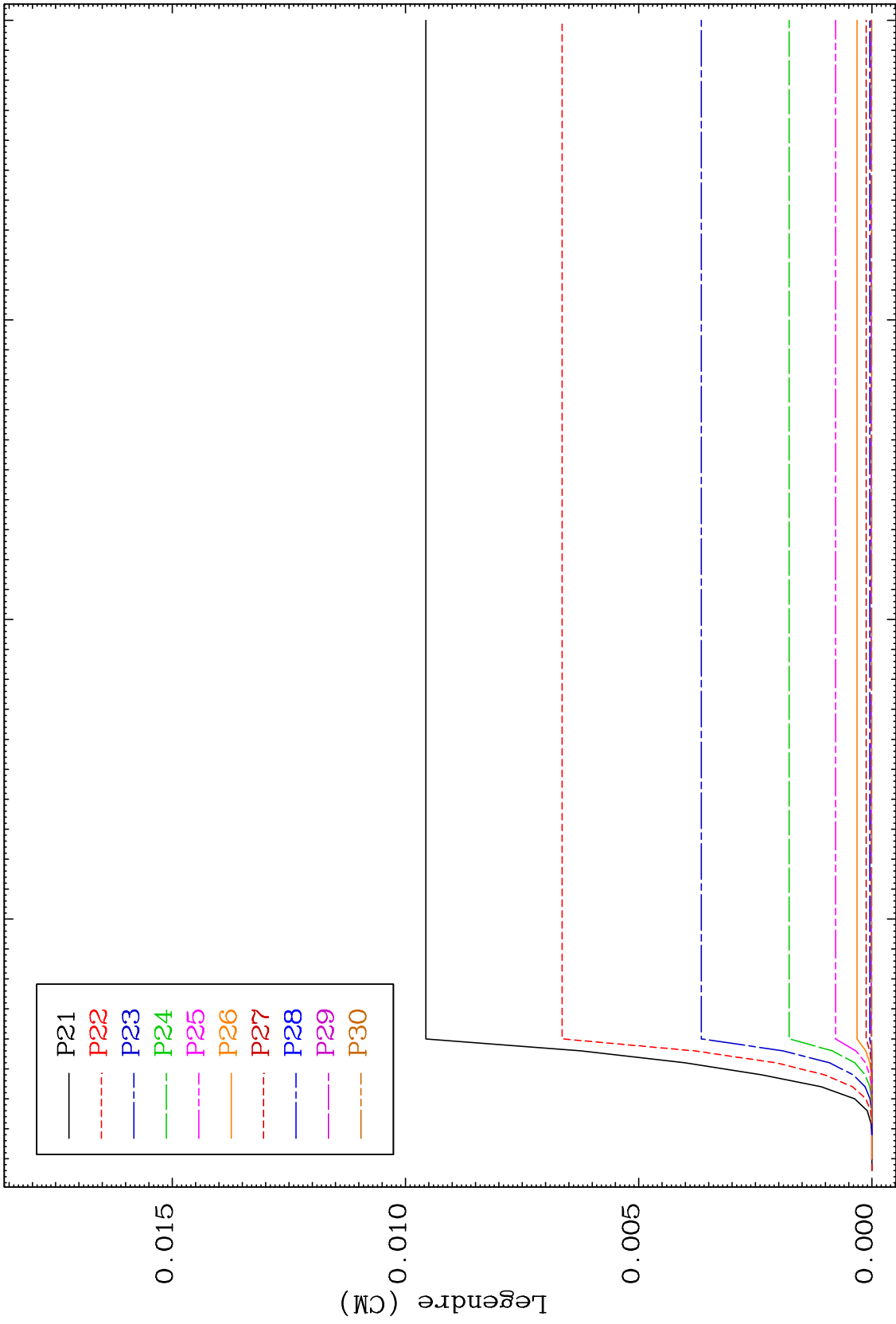
80-Hg-201



MAT 8040

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

80-Hg-201



125

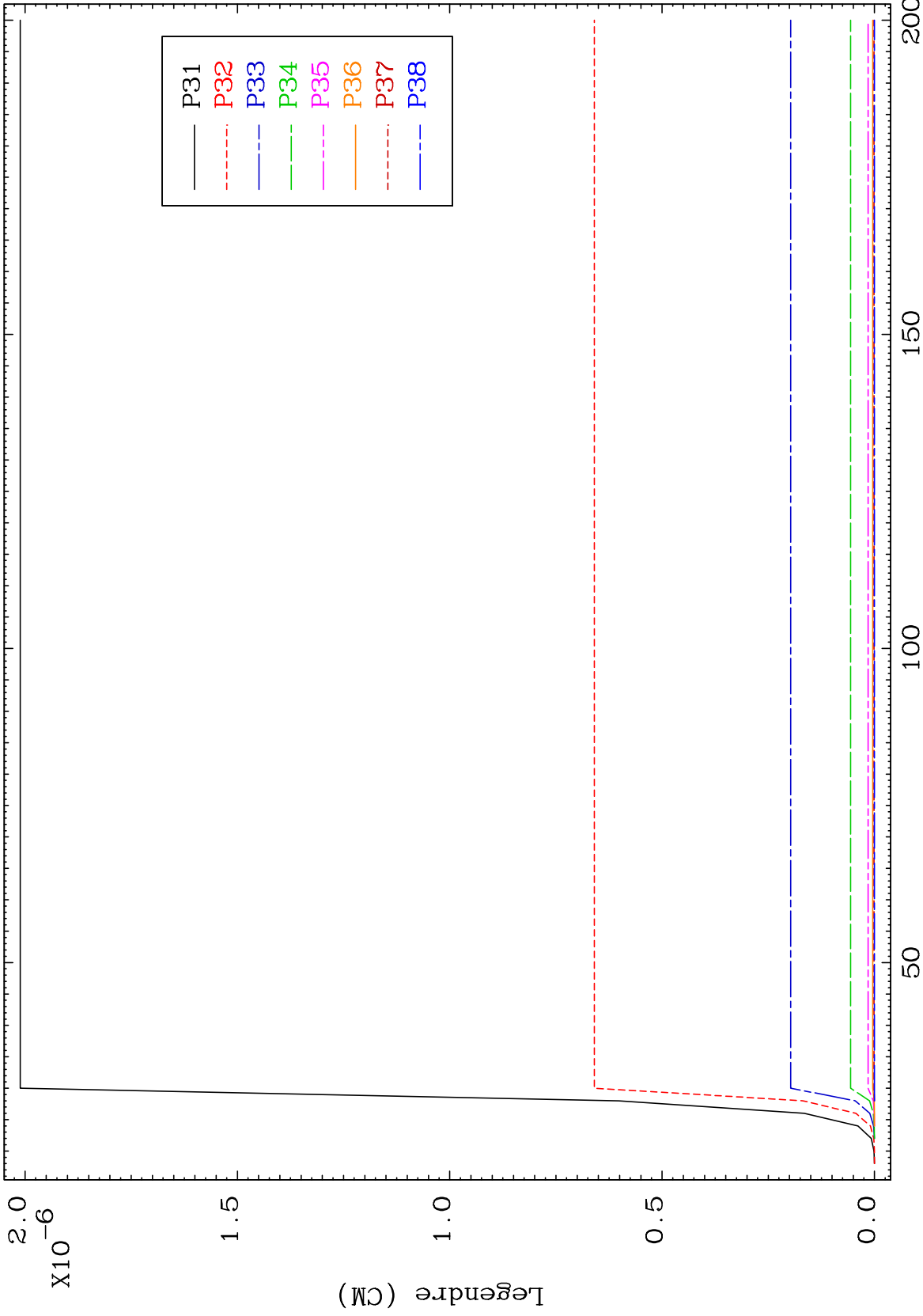
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



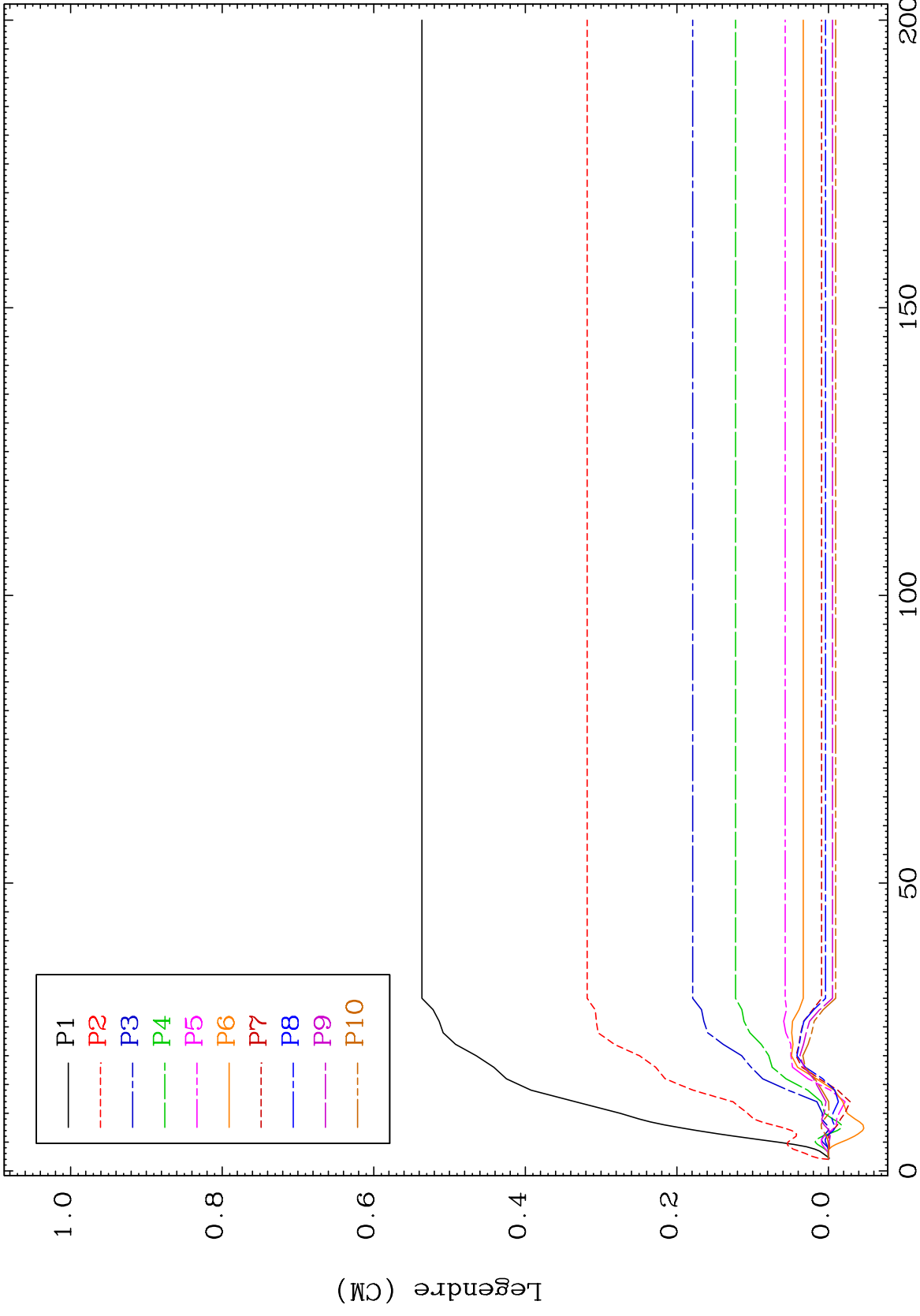
126

80-Hg-201

MAT 8040

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

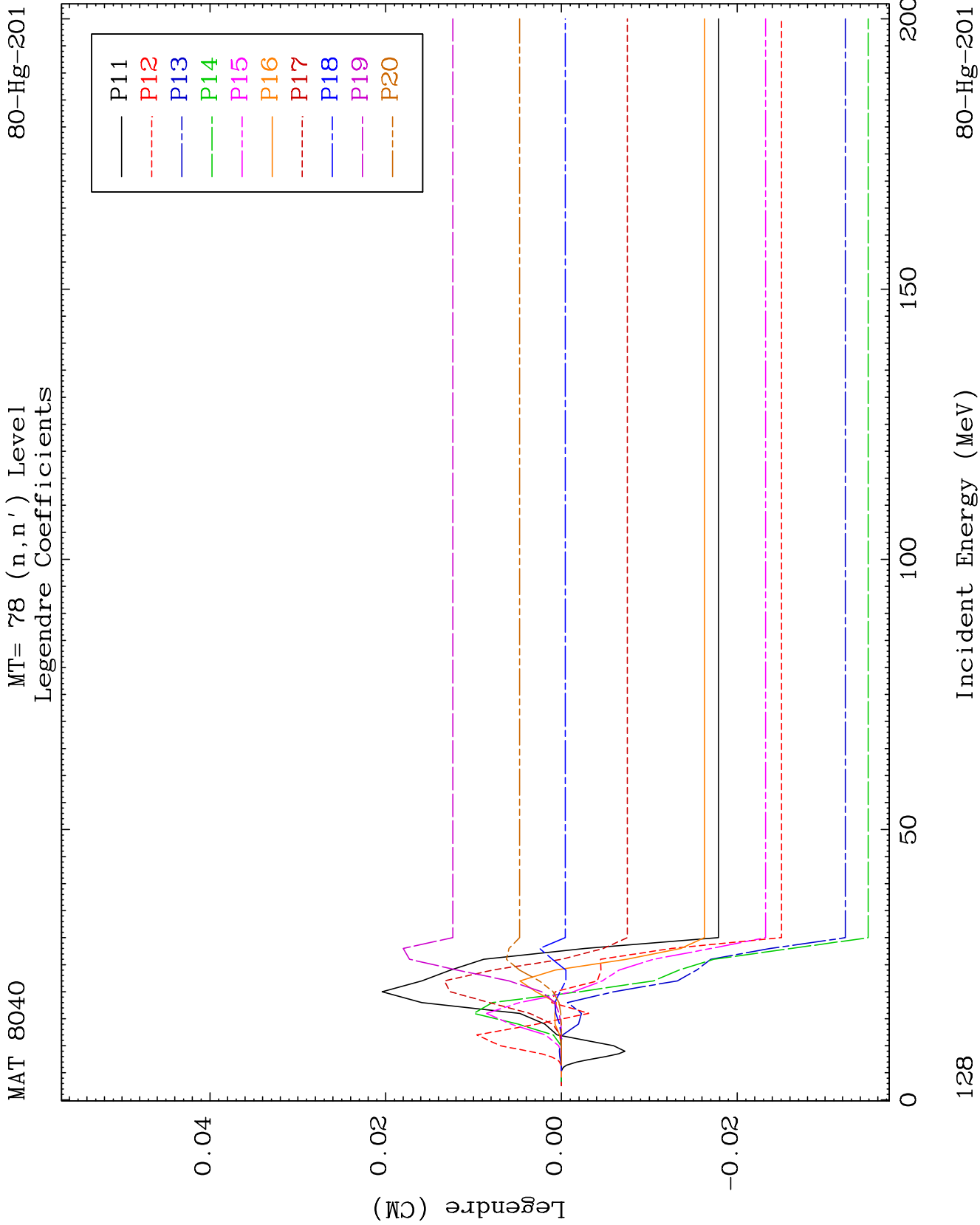
80-Hg-201



127

Incident Energy (MeV)

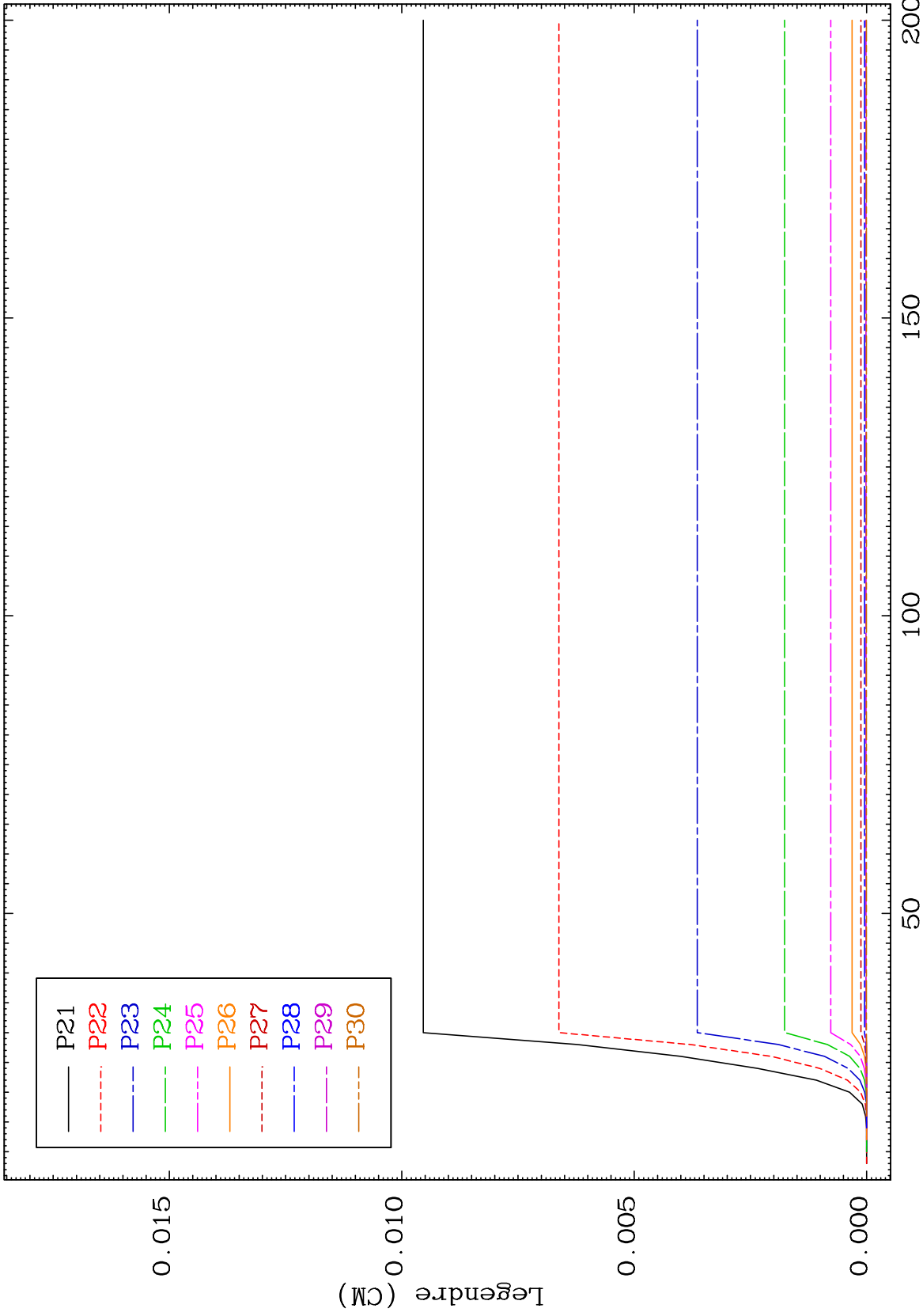
80-Hg-201



MAT 8040

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

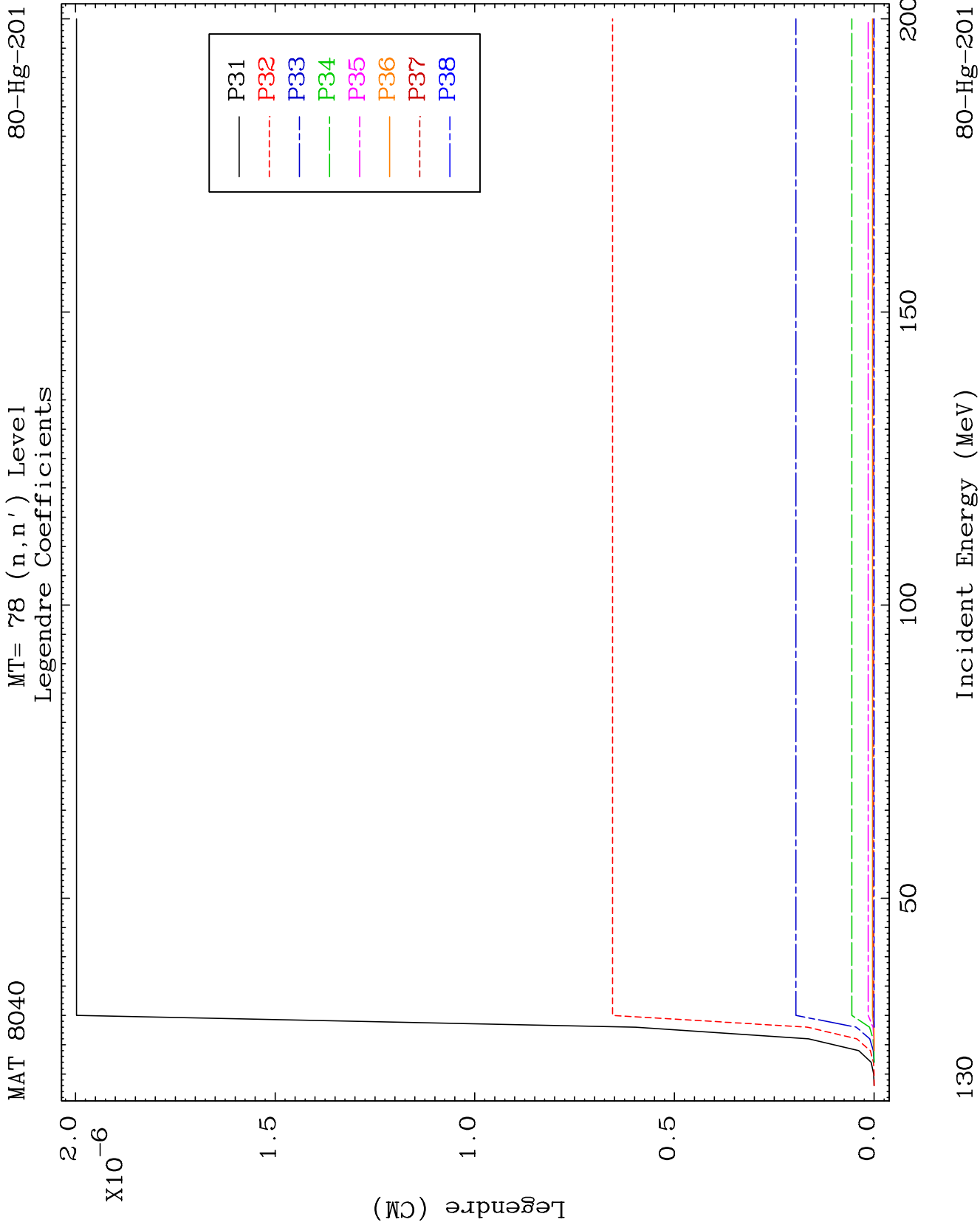
80-Hg-201



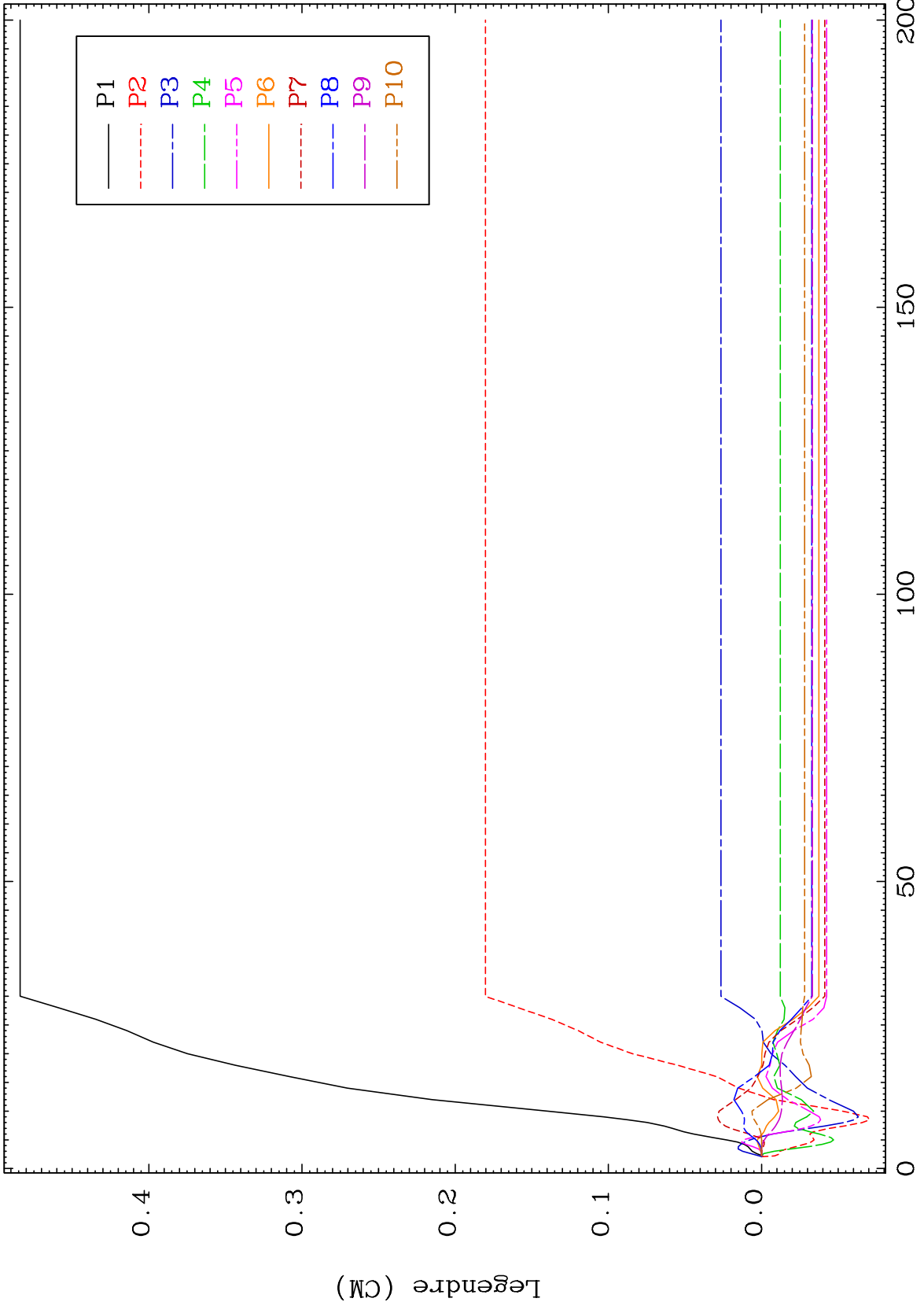
129

Incident Energy (MeV)

80-Hg-201



MAT 8040 MT= 79 (n,n') Level Legendre Coefficients 80-Hg-201

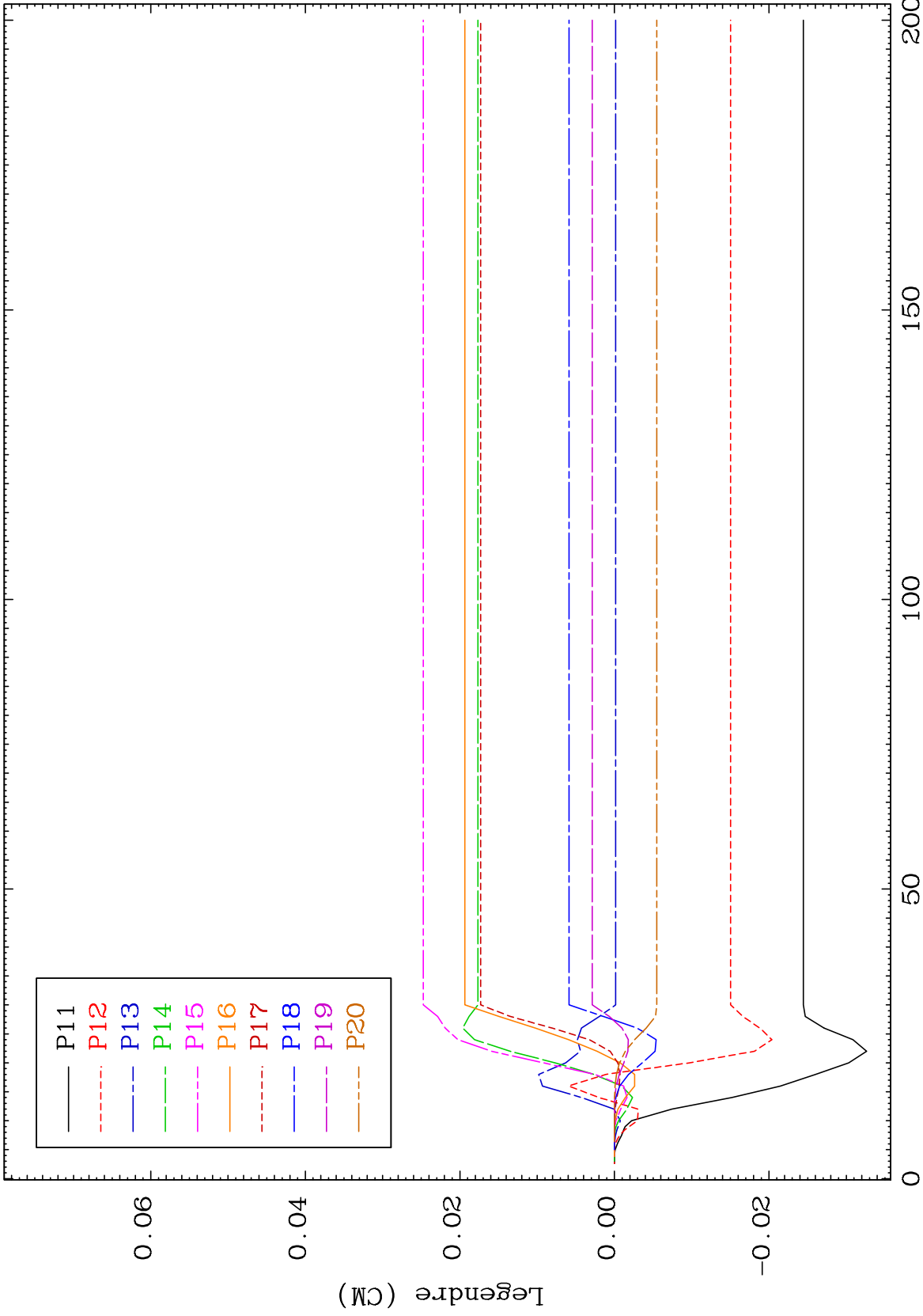


131 80-Hg-201

MAT 8040

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

80-Hg-201



132

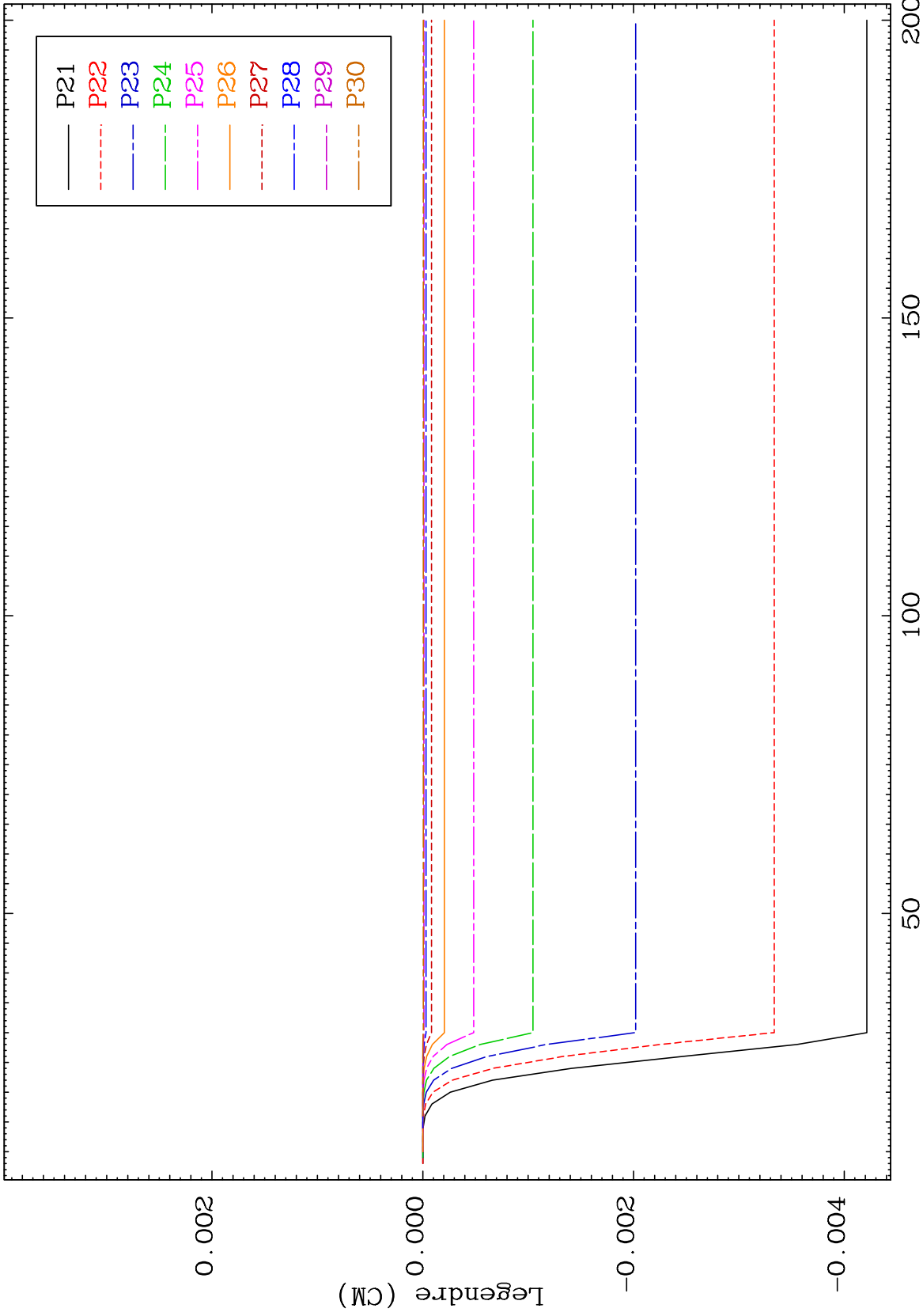
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

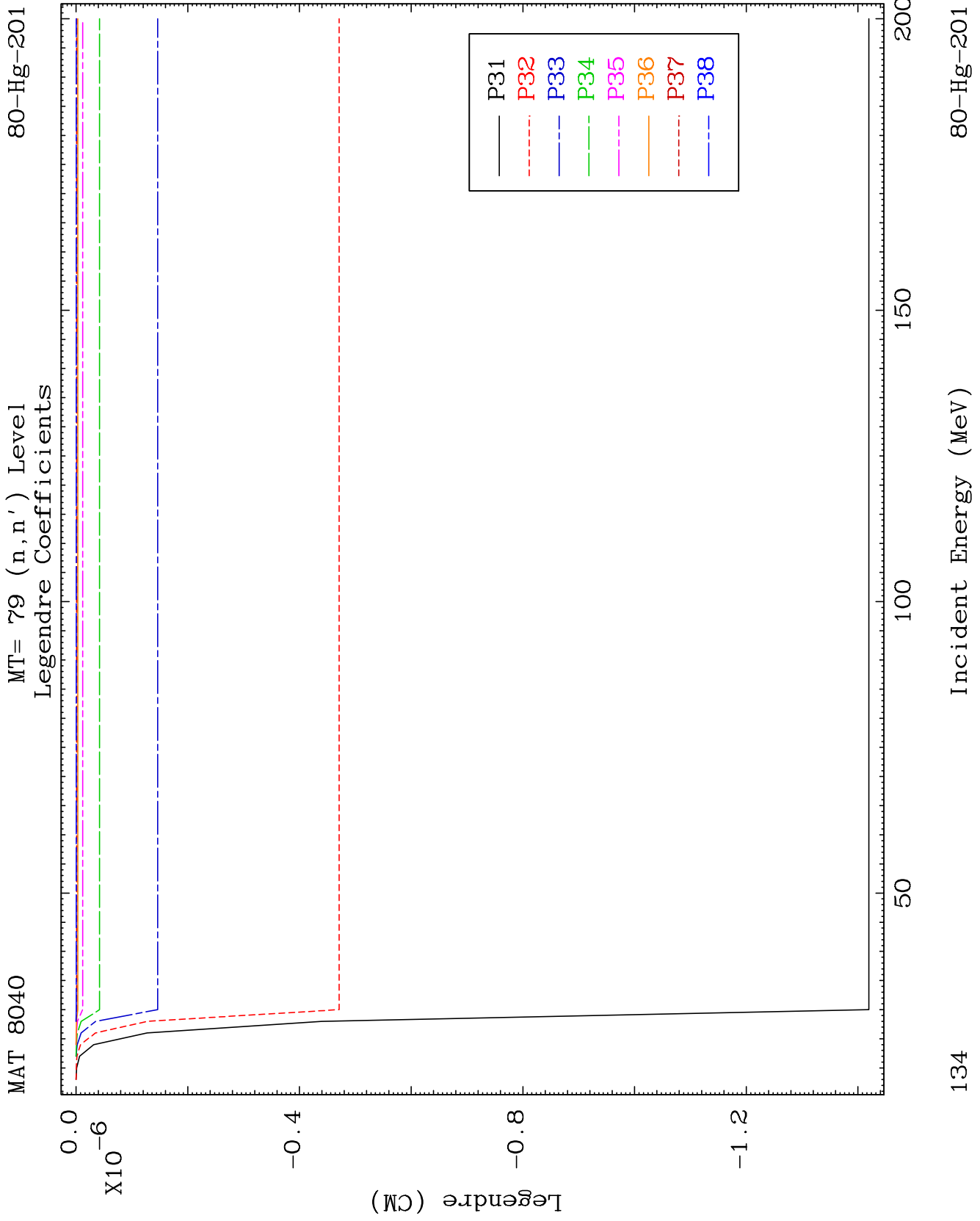
80-Hg-201

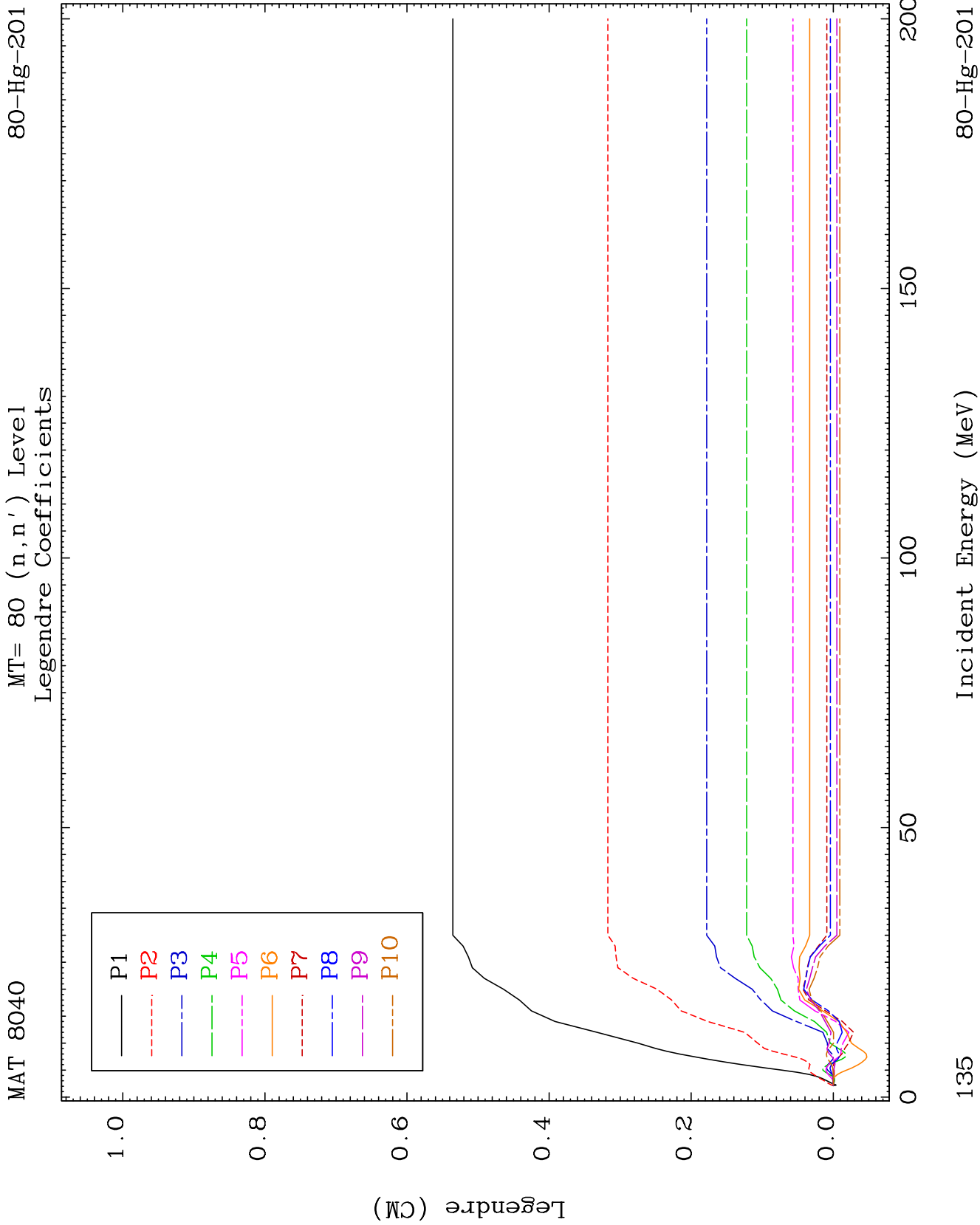


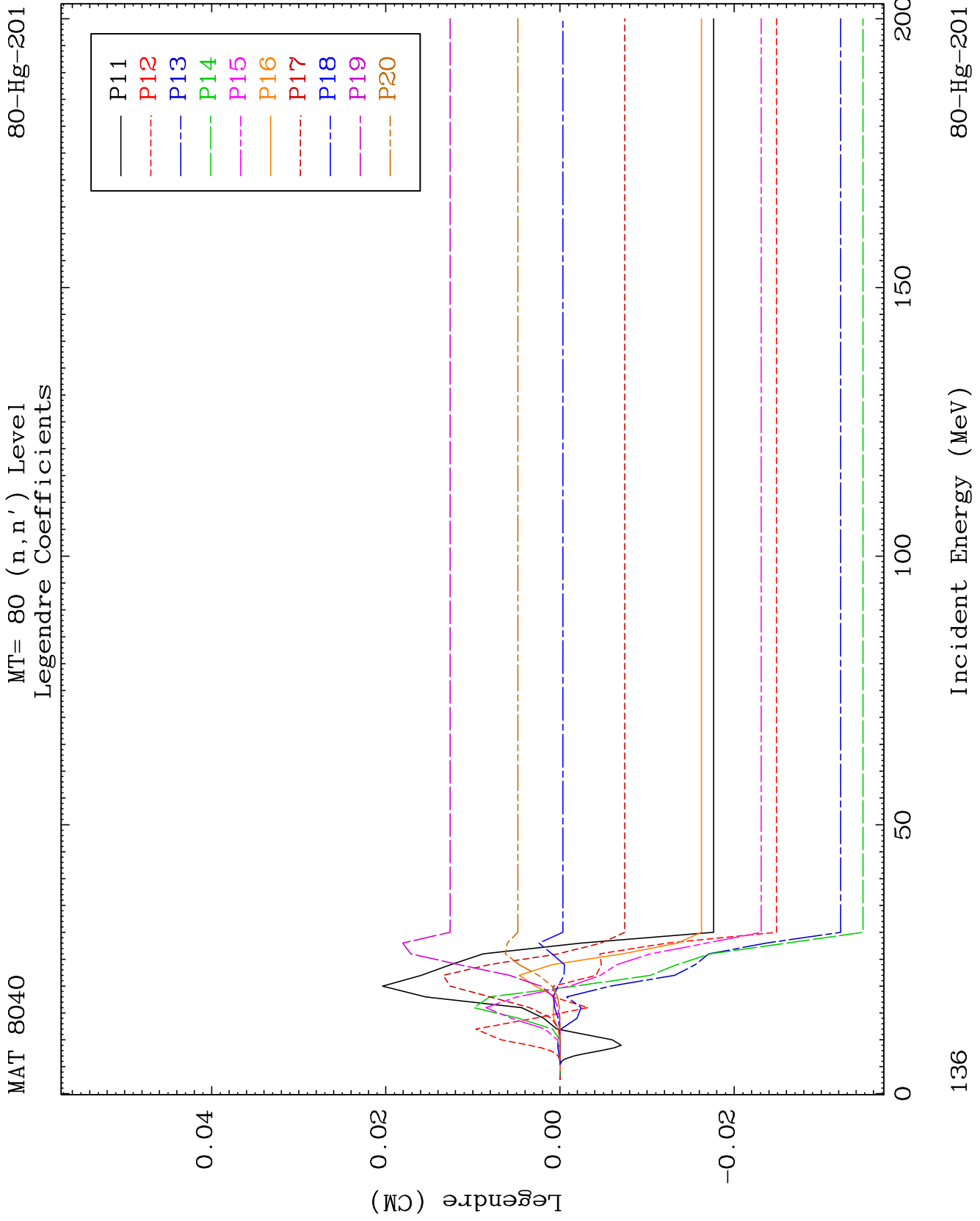
133

Incident Energy (MeV)

80-Hg-201



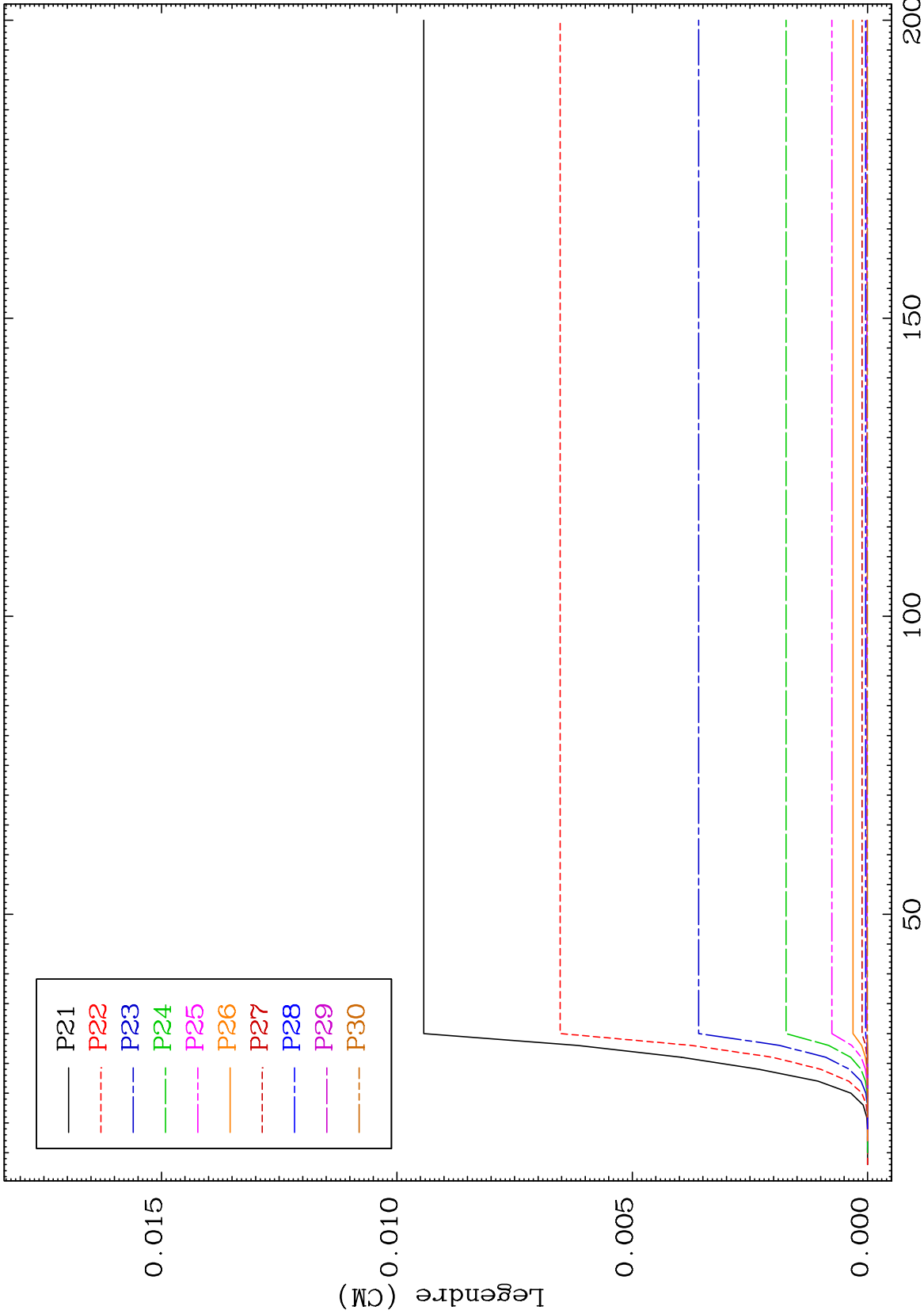




MAT 8040

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

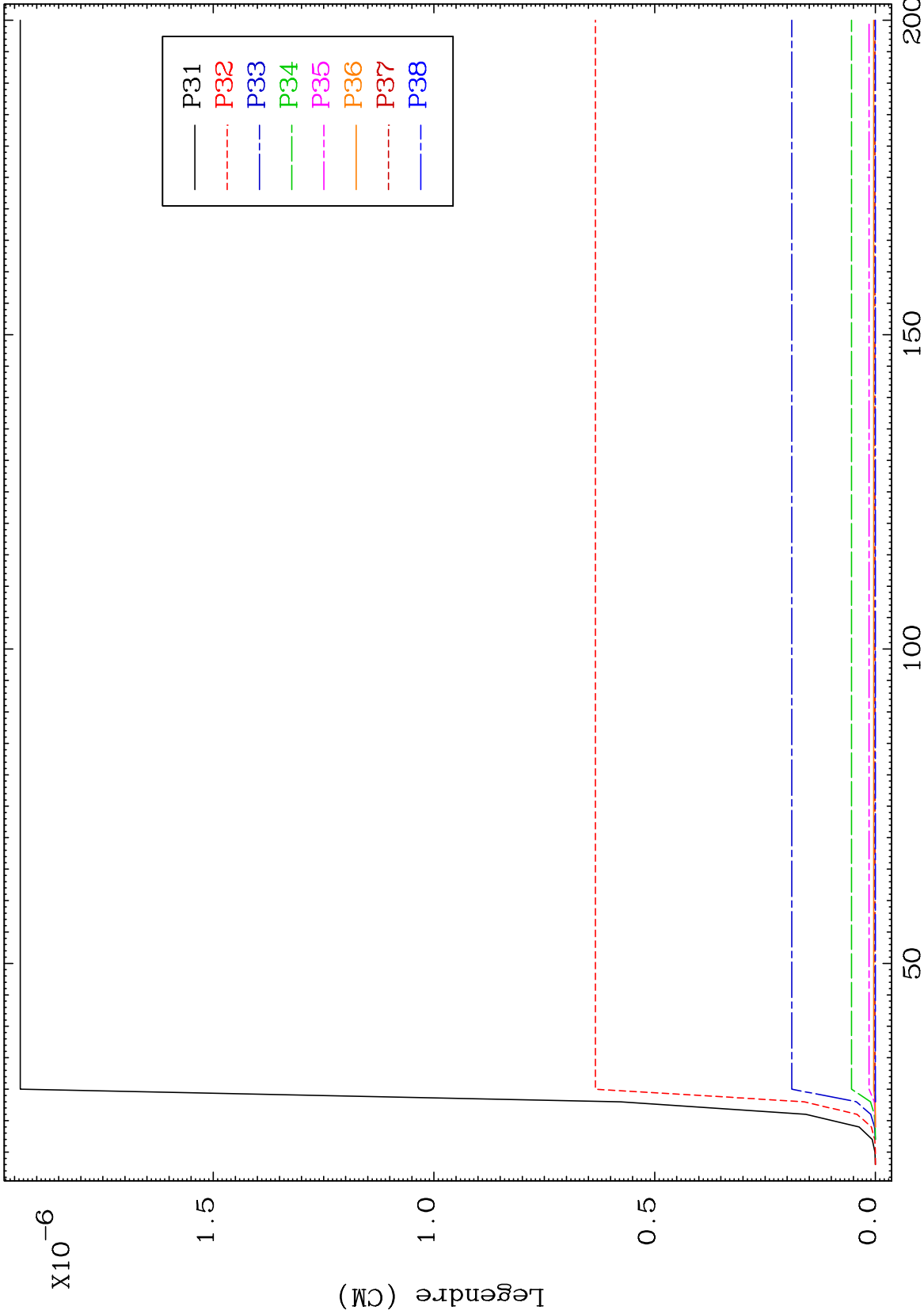
80-Hg-201



MAT 8040

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

80-Hg-201



138

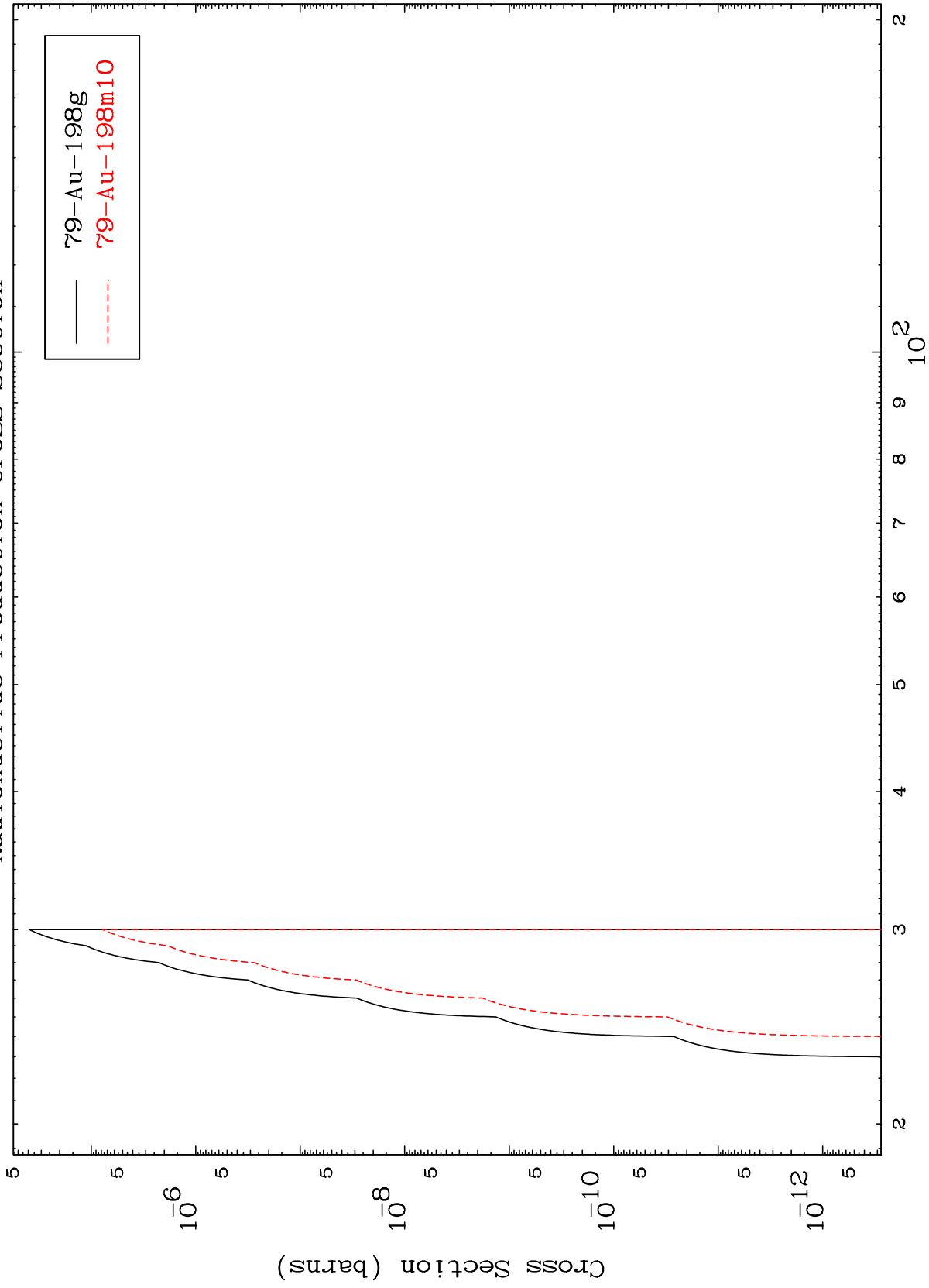
80-Hg-201

MAT 8040

(n,2n) d

80-Hg-201

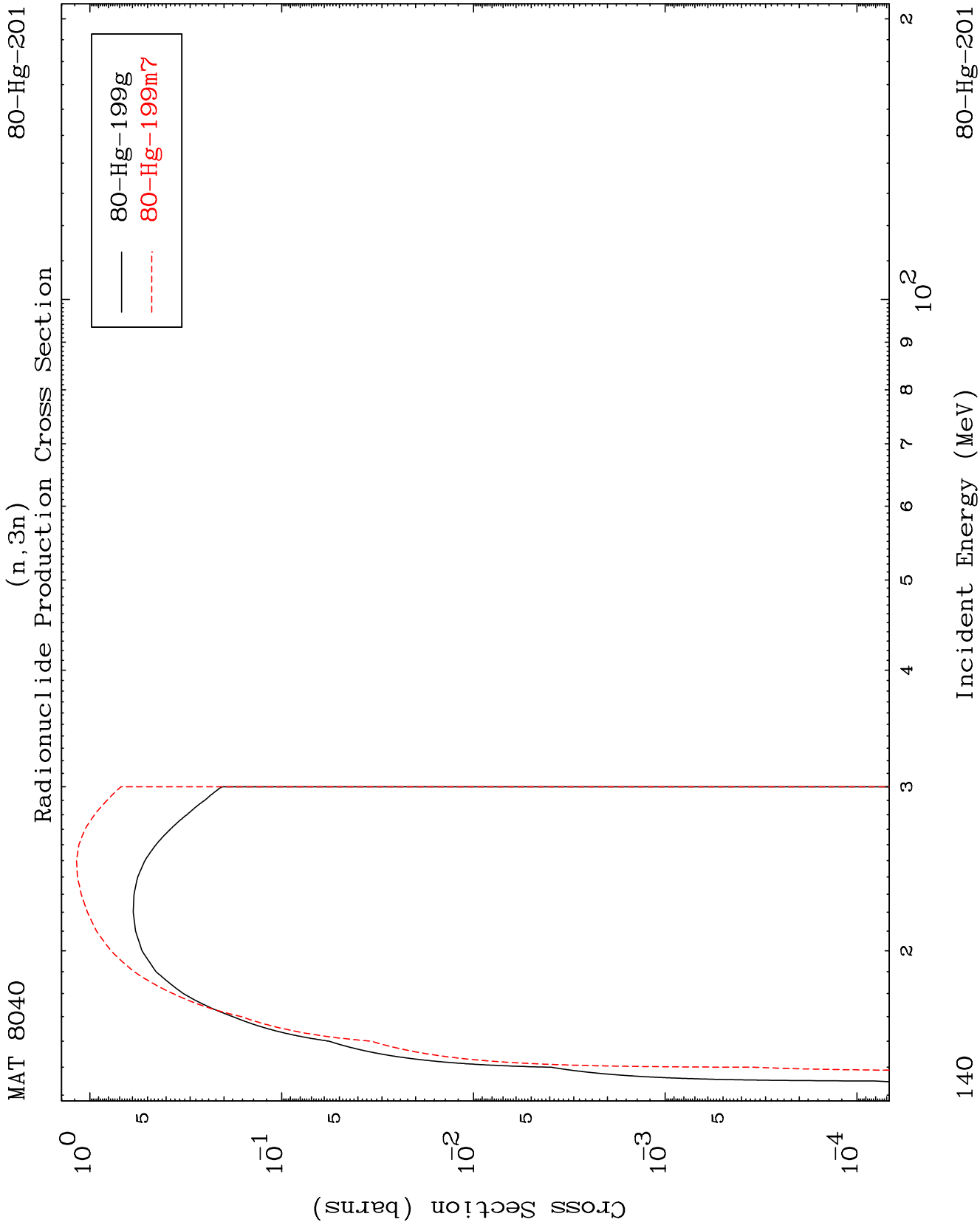
Radionuclide Production Cross Section



139

Incident Energy (MeV)

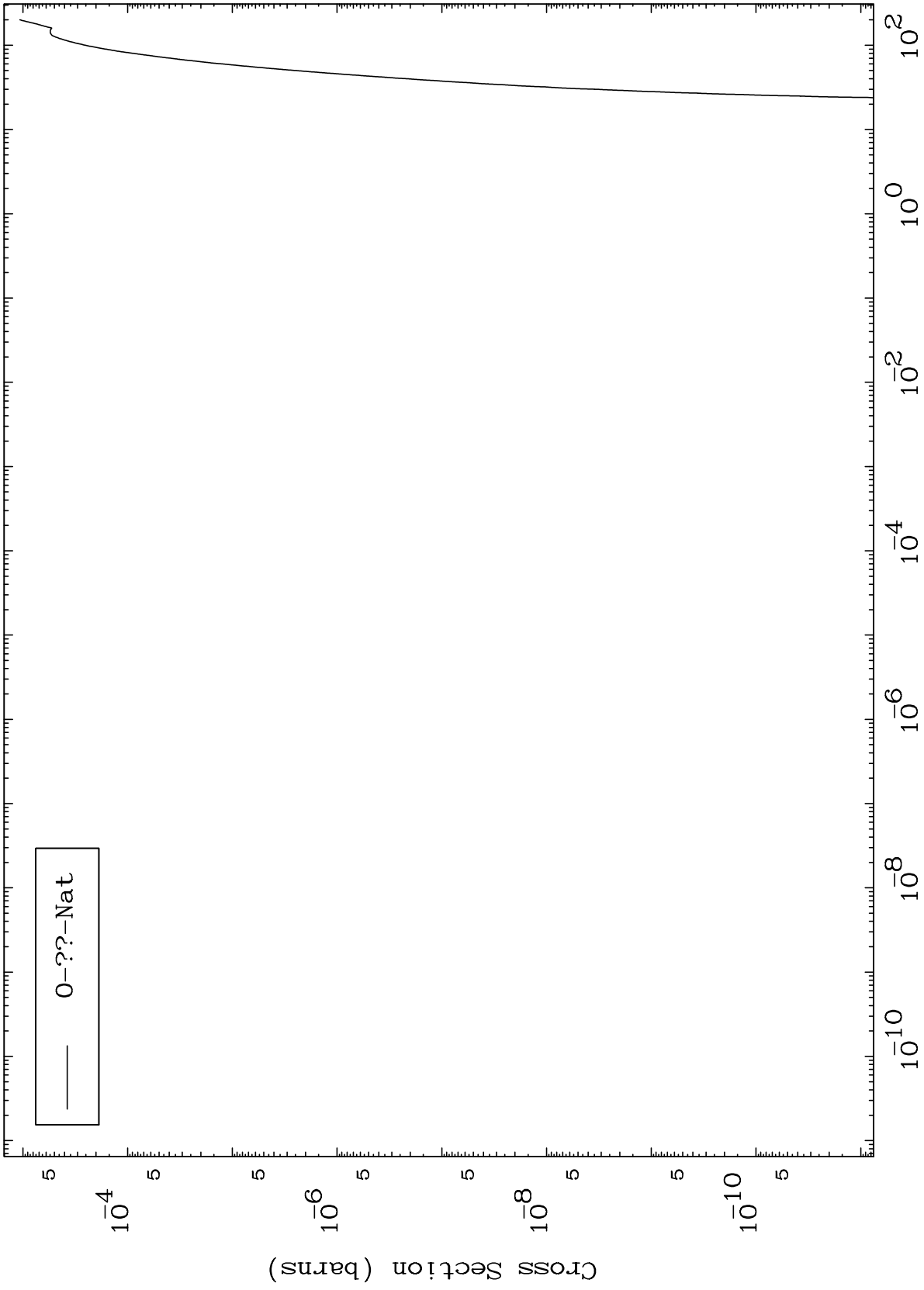
80-Hg-201



MAT 8040

Fission
Radionuclide Production Cross Section

80-Hg-201



141

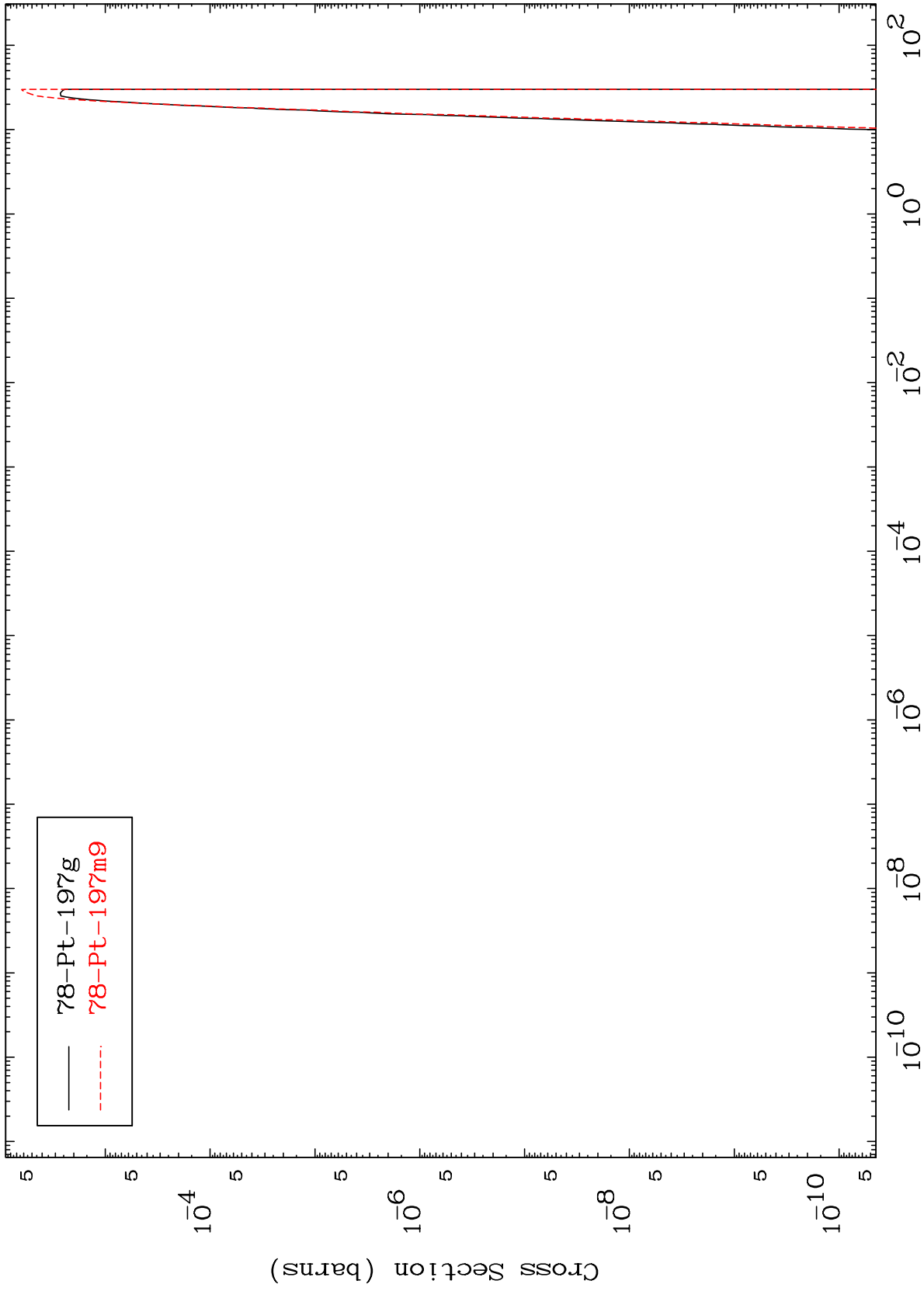
80-Hg-201

MAT 8040

(n,n') α

80-Hg-201

Radionuclide Production Cross Section



142

Incident Energy (MeV)

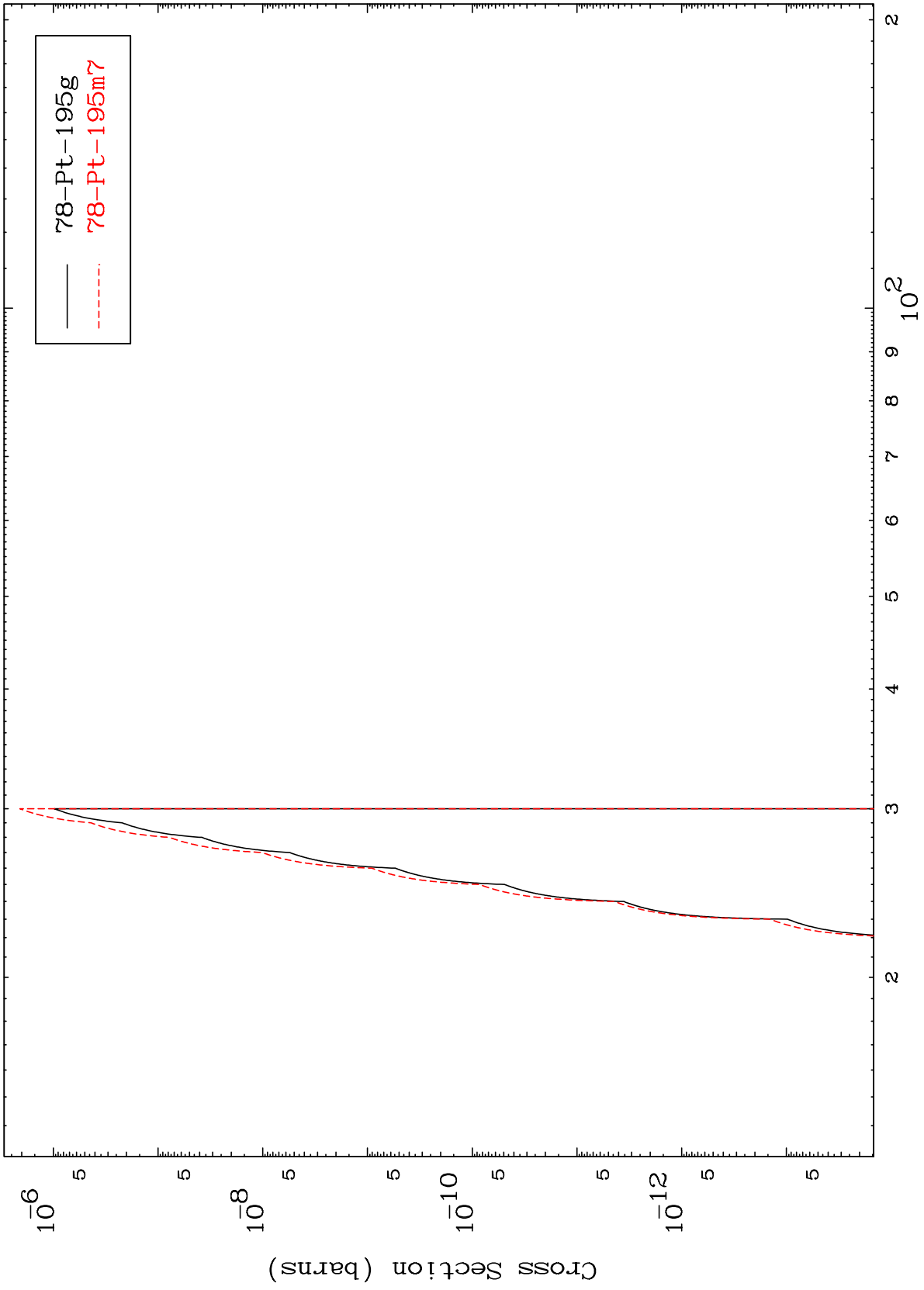
80-Hg-201

MAT 8040

(n,3n) α

80-Hg-201

Radionuclide Production Cross Section



143

Incident Energy (MeV)

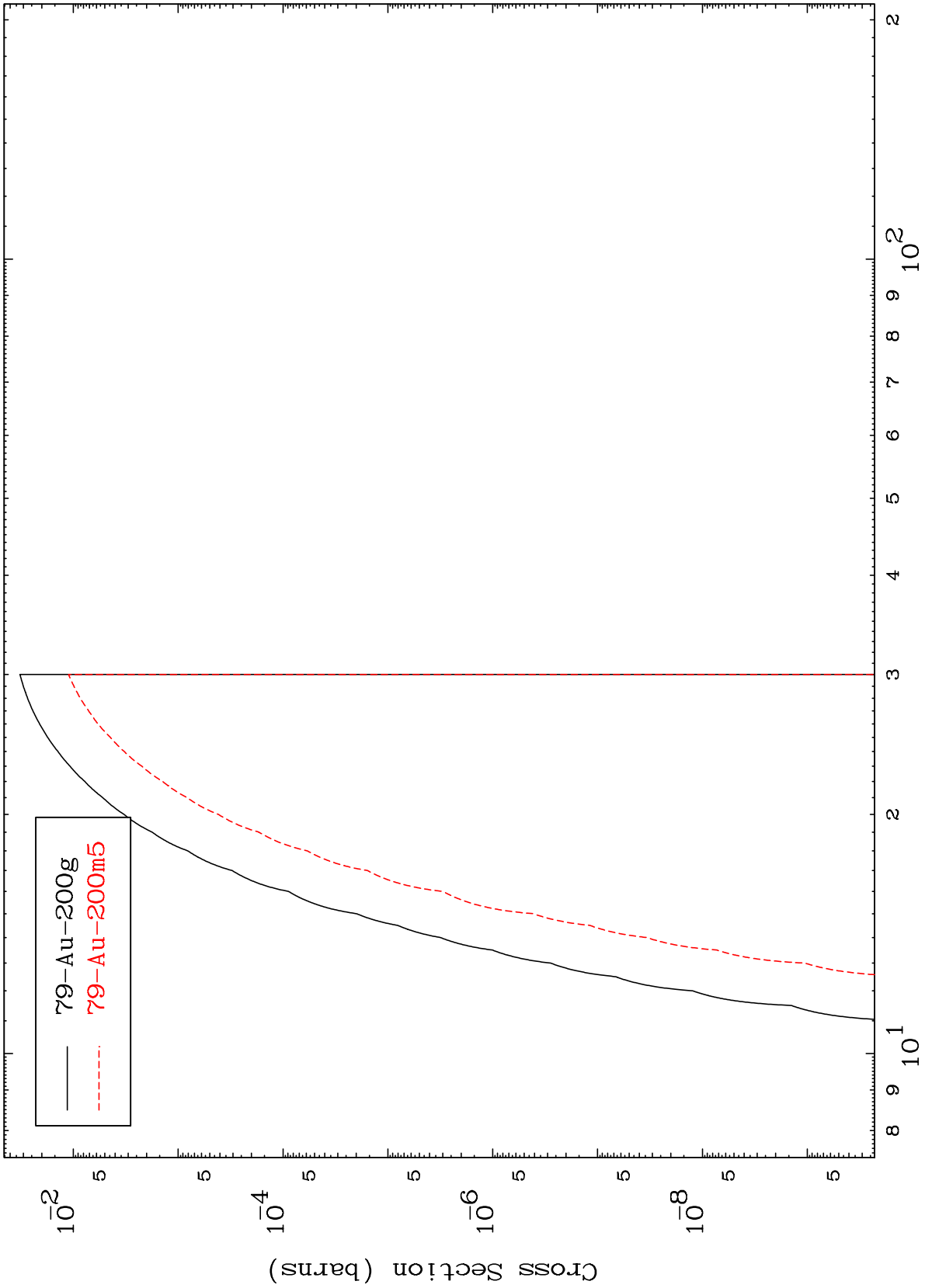
80-Hg-201

MAT 8040

(n,n') p

80-Hg-201

Radionuclide Production Cross Section



79-Au-200g
79-Au-200m5

144

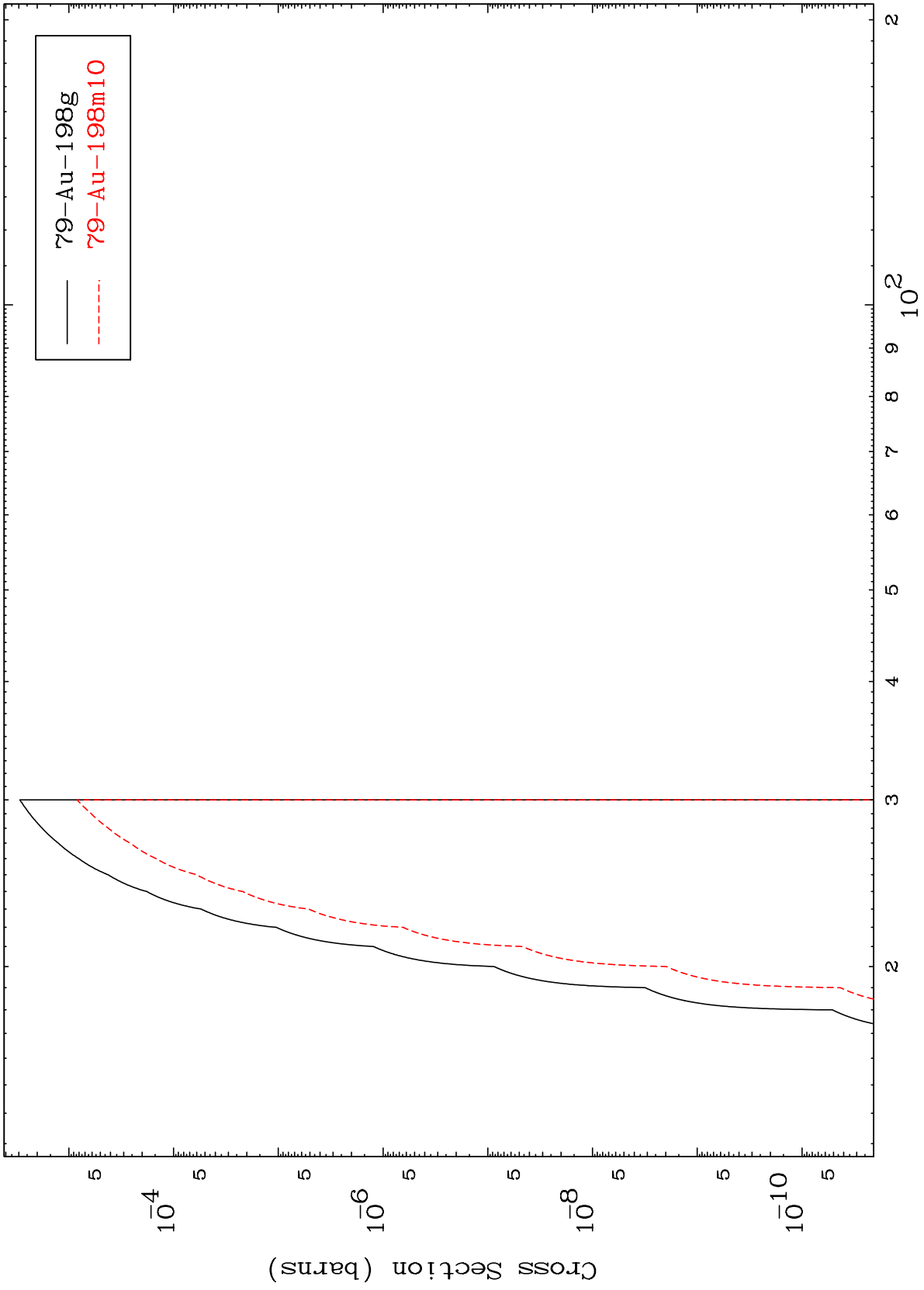
80-Hg-201

MAT 8040

(n,n') t

80-Hg-201

Radionuclide Production Cross Section



145

Incident Energy (MeV)

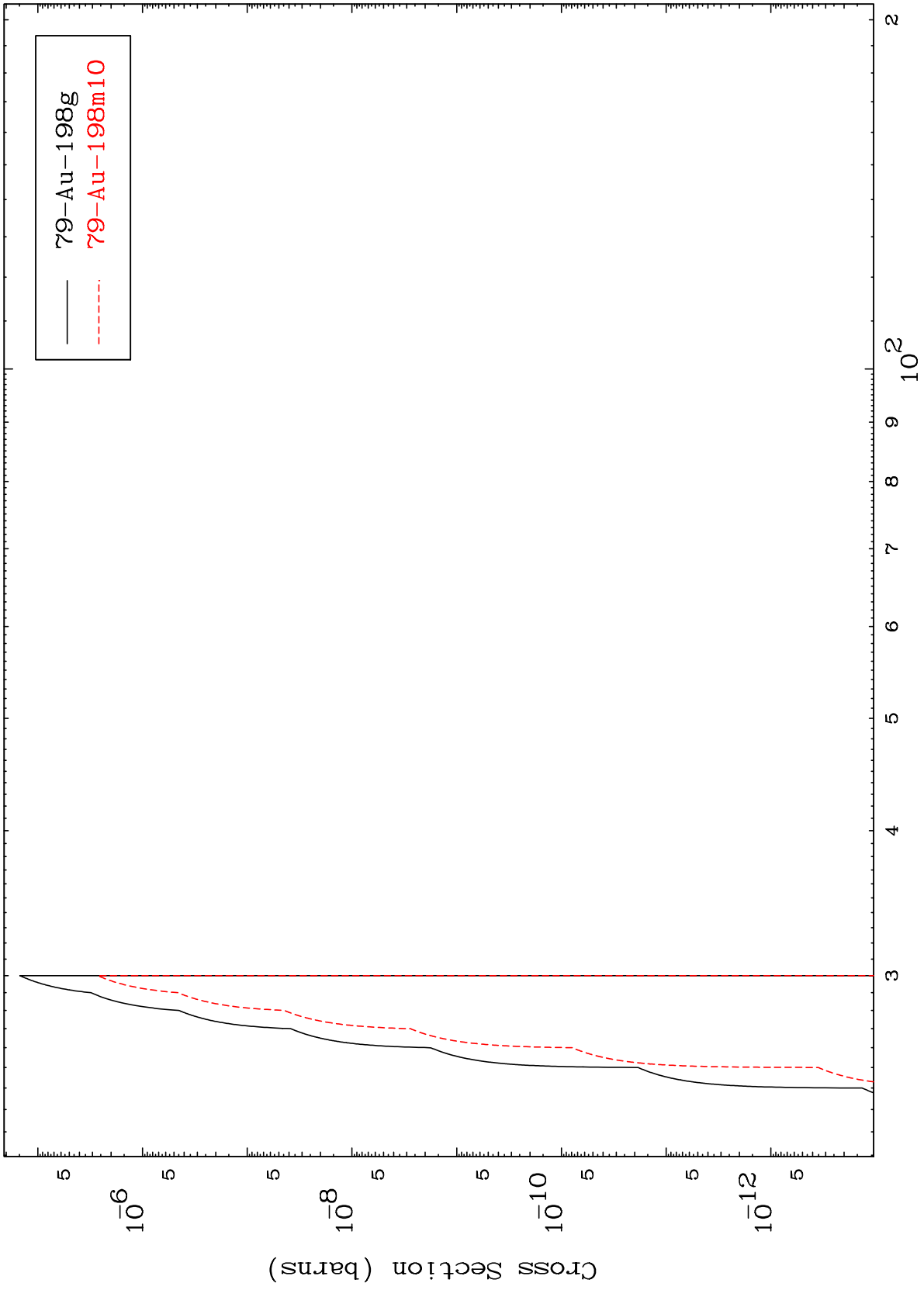
80-Hg-201

MAT 8040

(n,3n) p

80-Hg-201

Radionuclide Production Cross Section



146

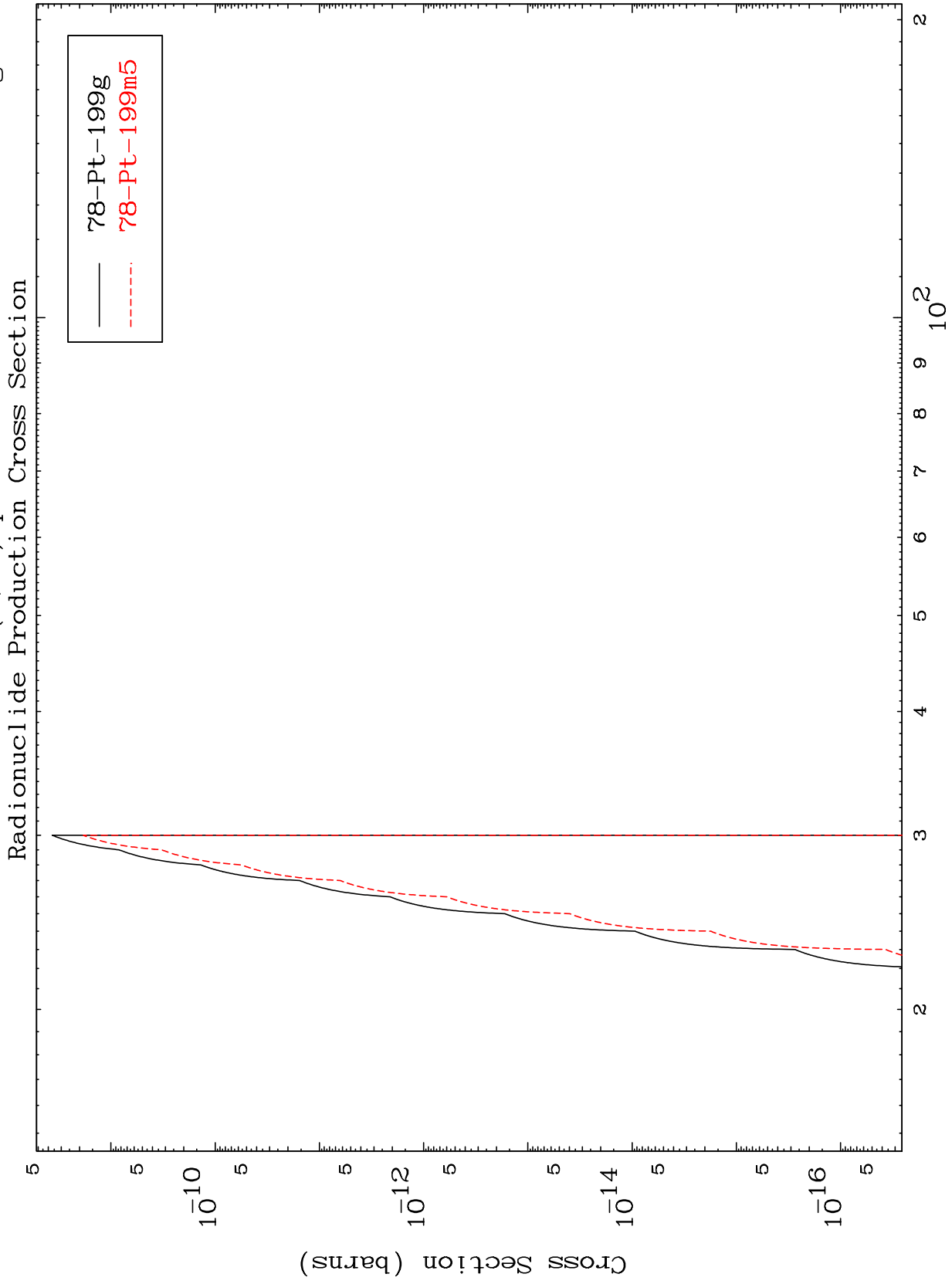
Incident Energy (MeV)

80-Hg-201

MAT 8040

(n,2n) p

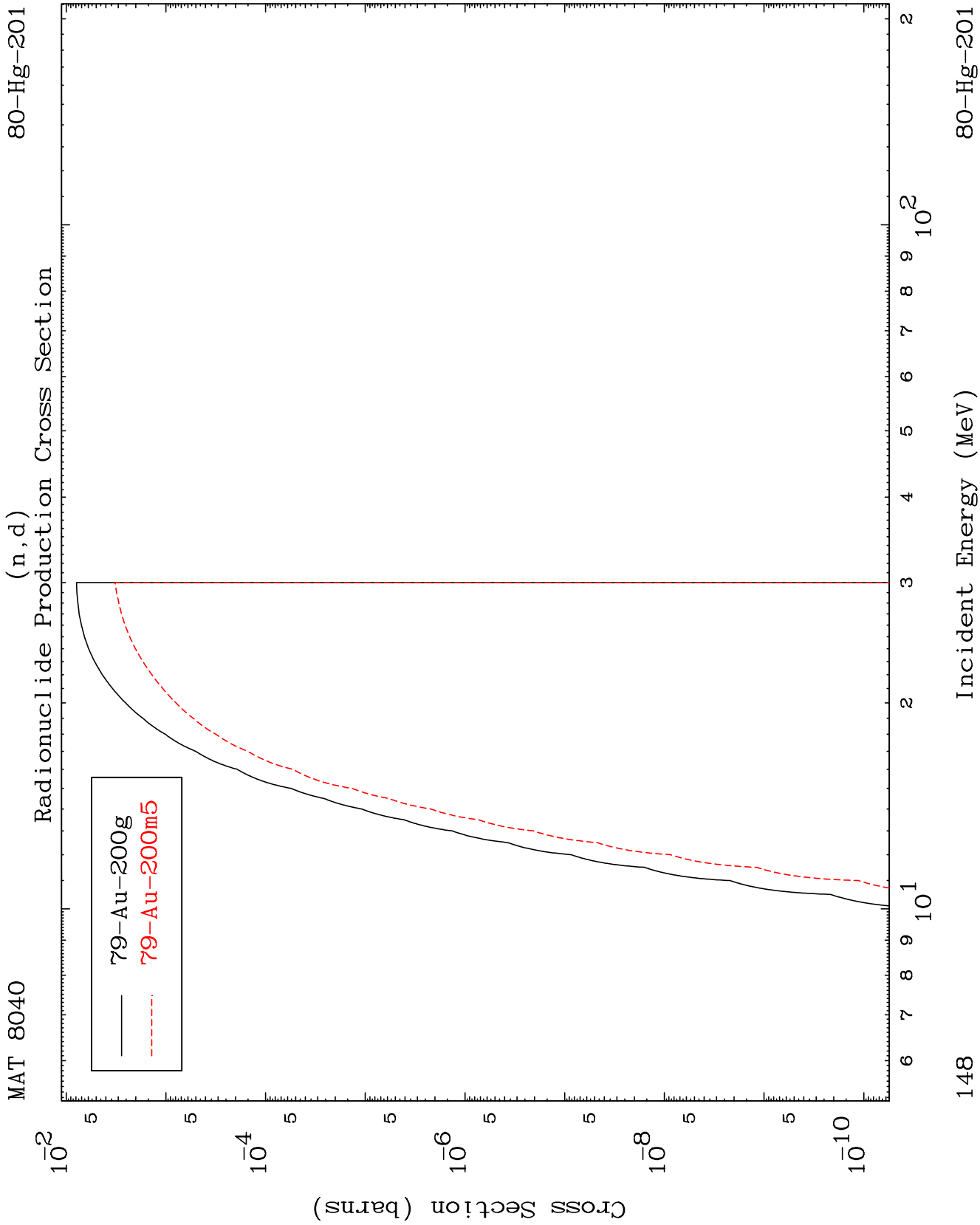
80-Hg-201



147

Incident Energy (MeV)

80-Hg-201

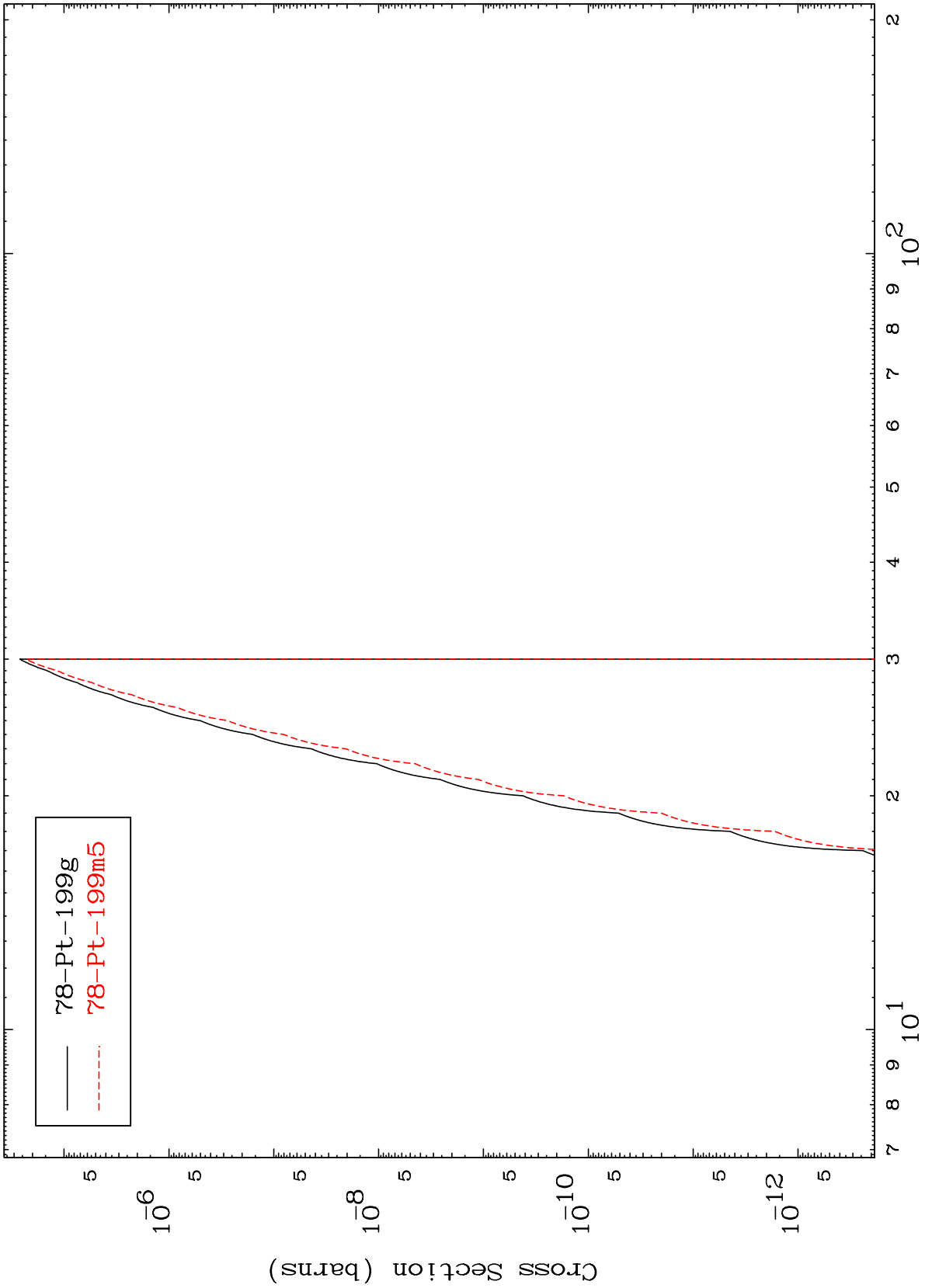


MAT 8040

(n, He-3)

80-Hg-201

Radionuclide Production Cross Section



78-Pt-199g
78-Pt-199m5

149

Incident Energy (MeV)

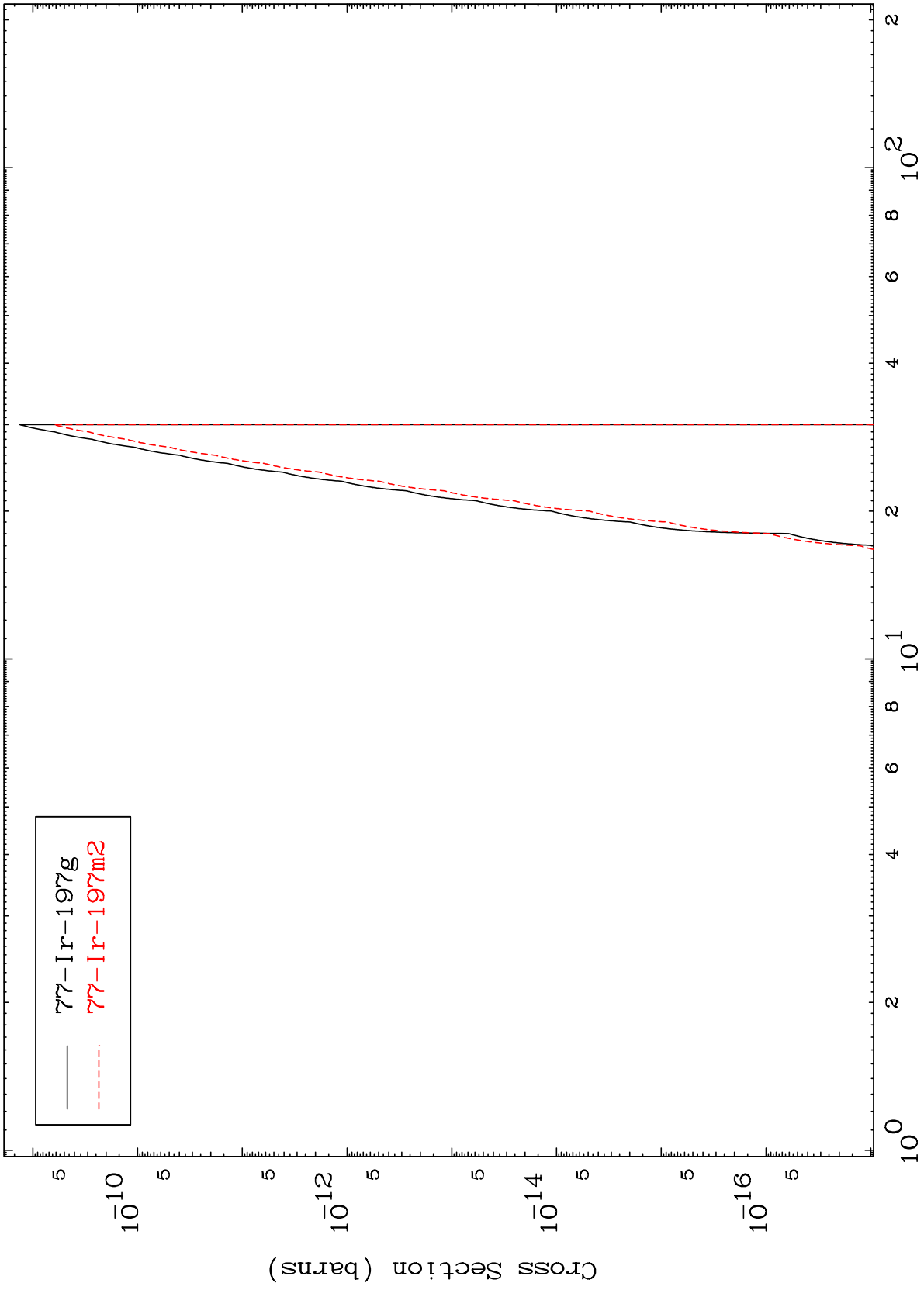
80-Hg-201

MAT 8040

(n,p) α

80-Hg-201

Radionuclide Production Cross Section



Incident Energy (MeV)

80-Hg-201