

Program EVALPLOT
(Version 2018-1)

by

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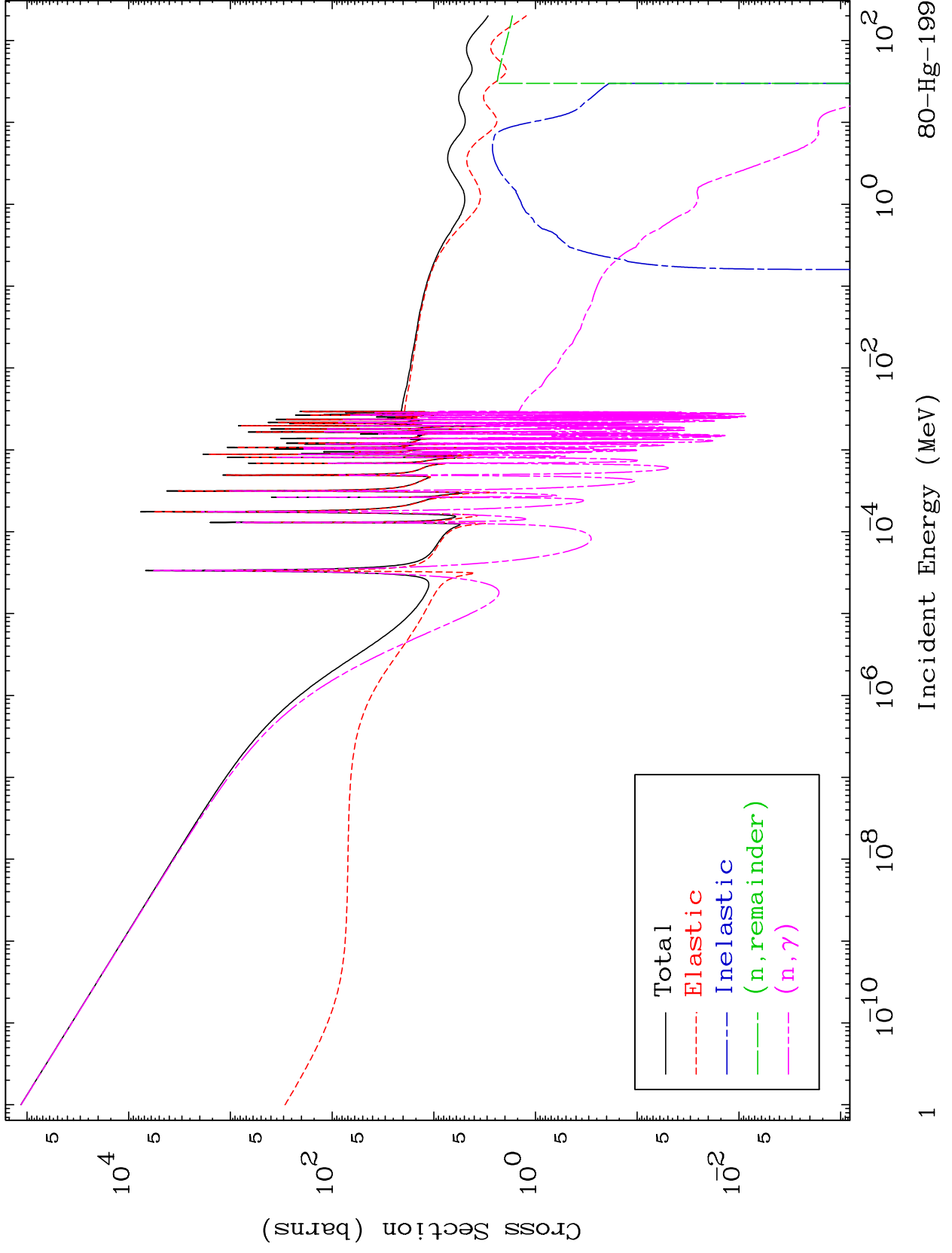
Press Mouse Button to Start

MAT 8034

Major

293 Kelvin Cross Sections

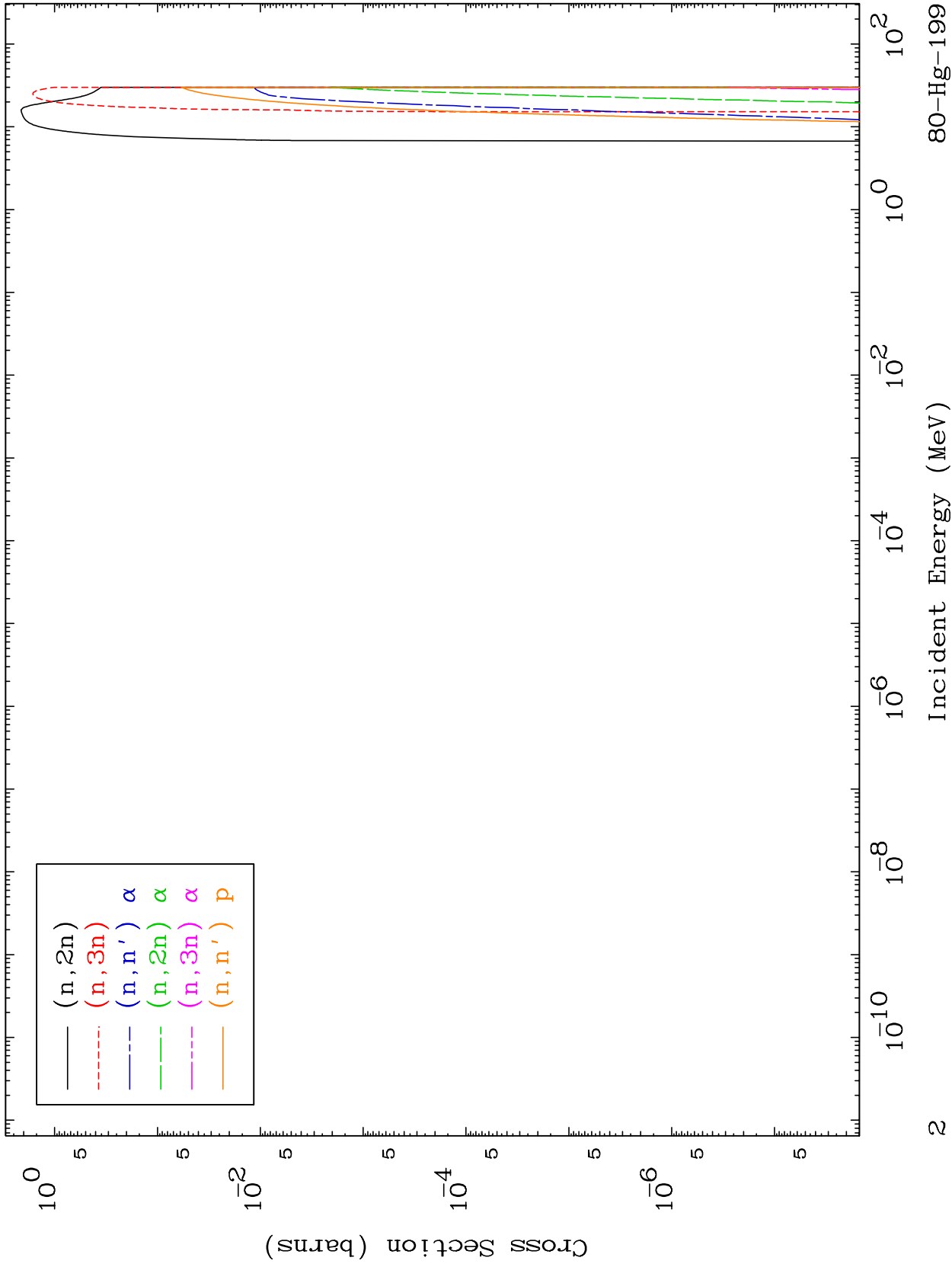
80-Hg-199

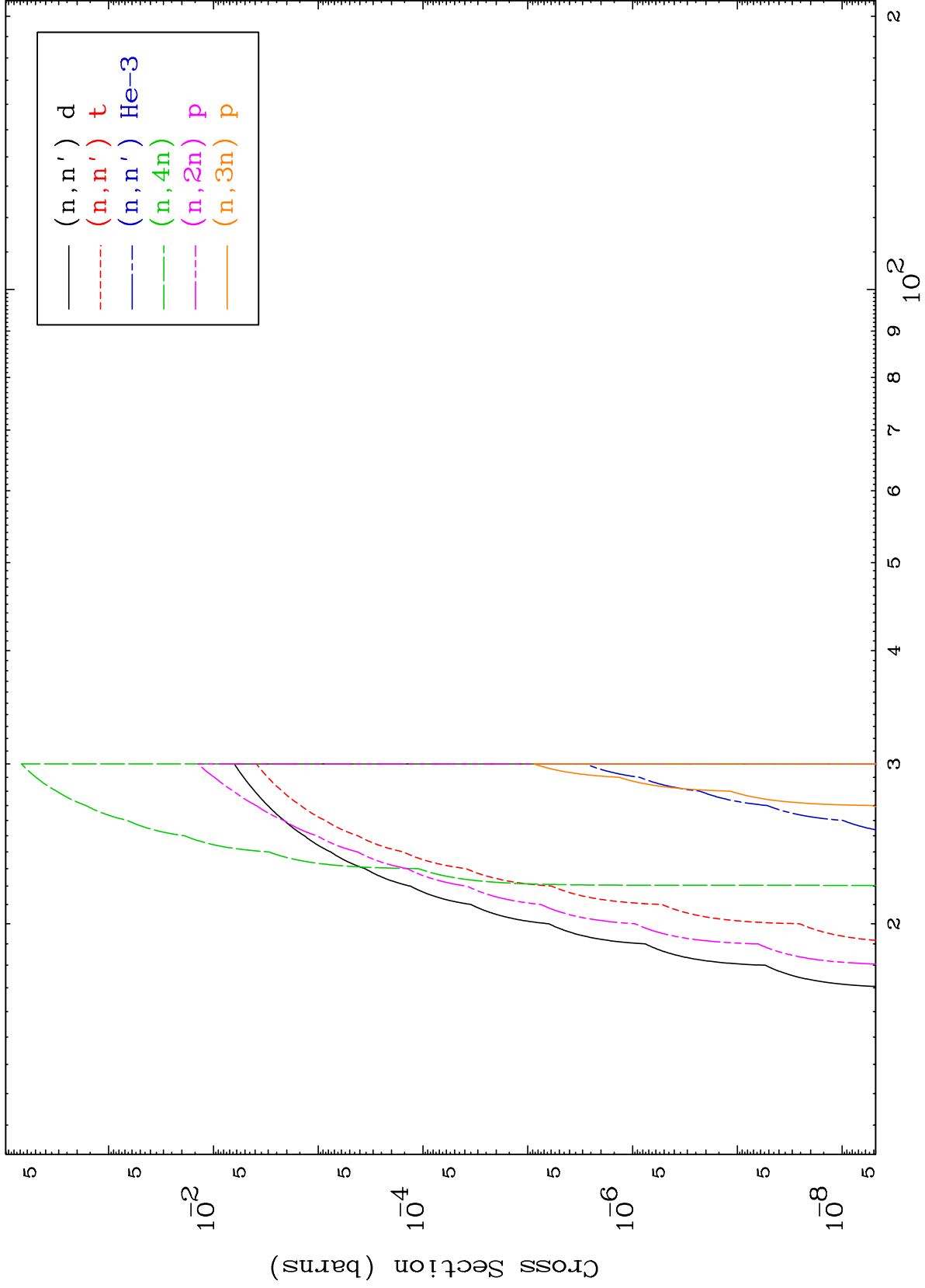


MAT 8034

Neutron Production
293 Kelvin Cross Sections

80-Hg-199

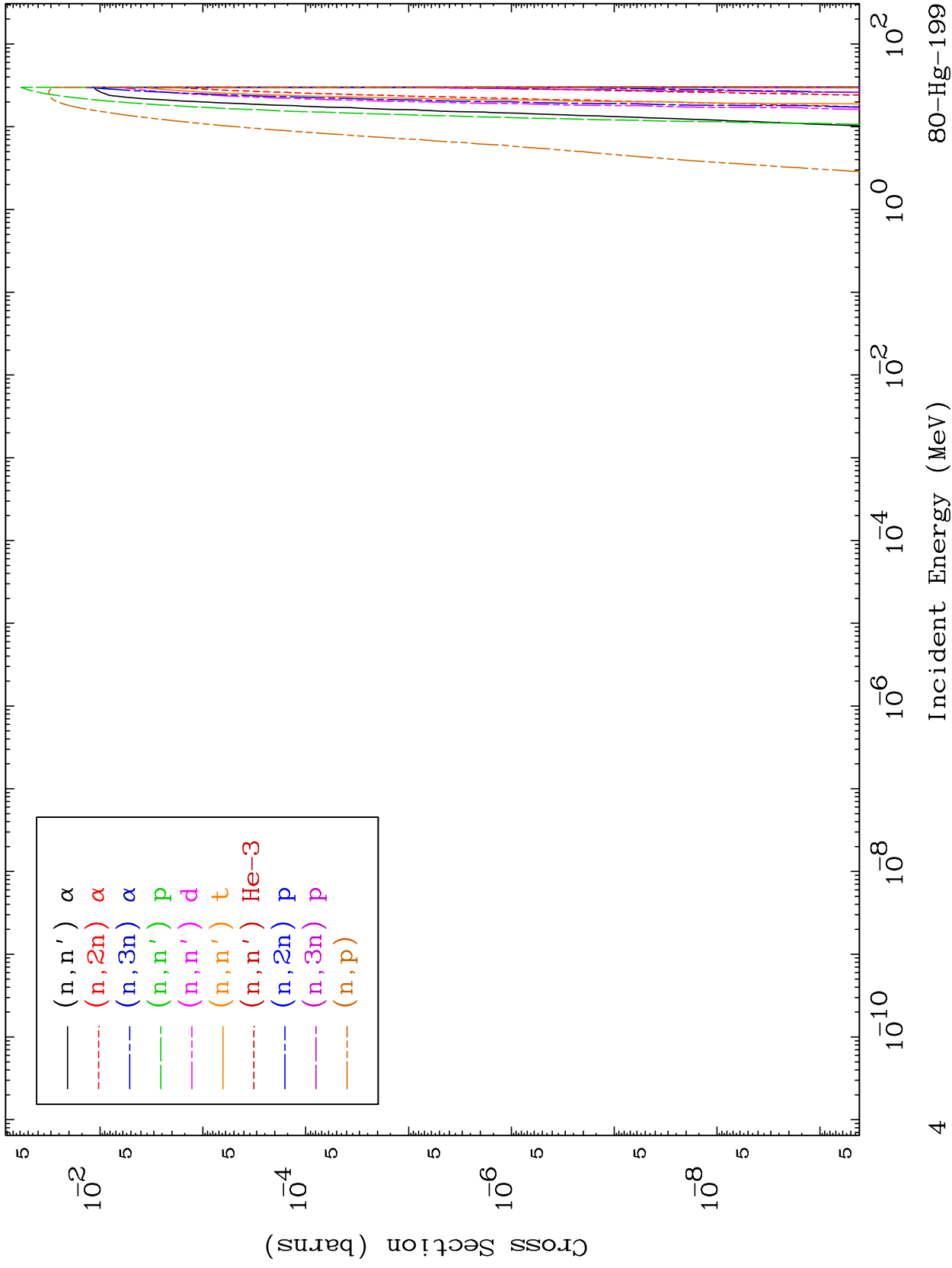




MAT 8034

Charged Particle
293 Kelvin Cross Sections

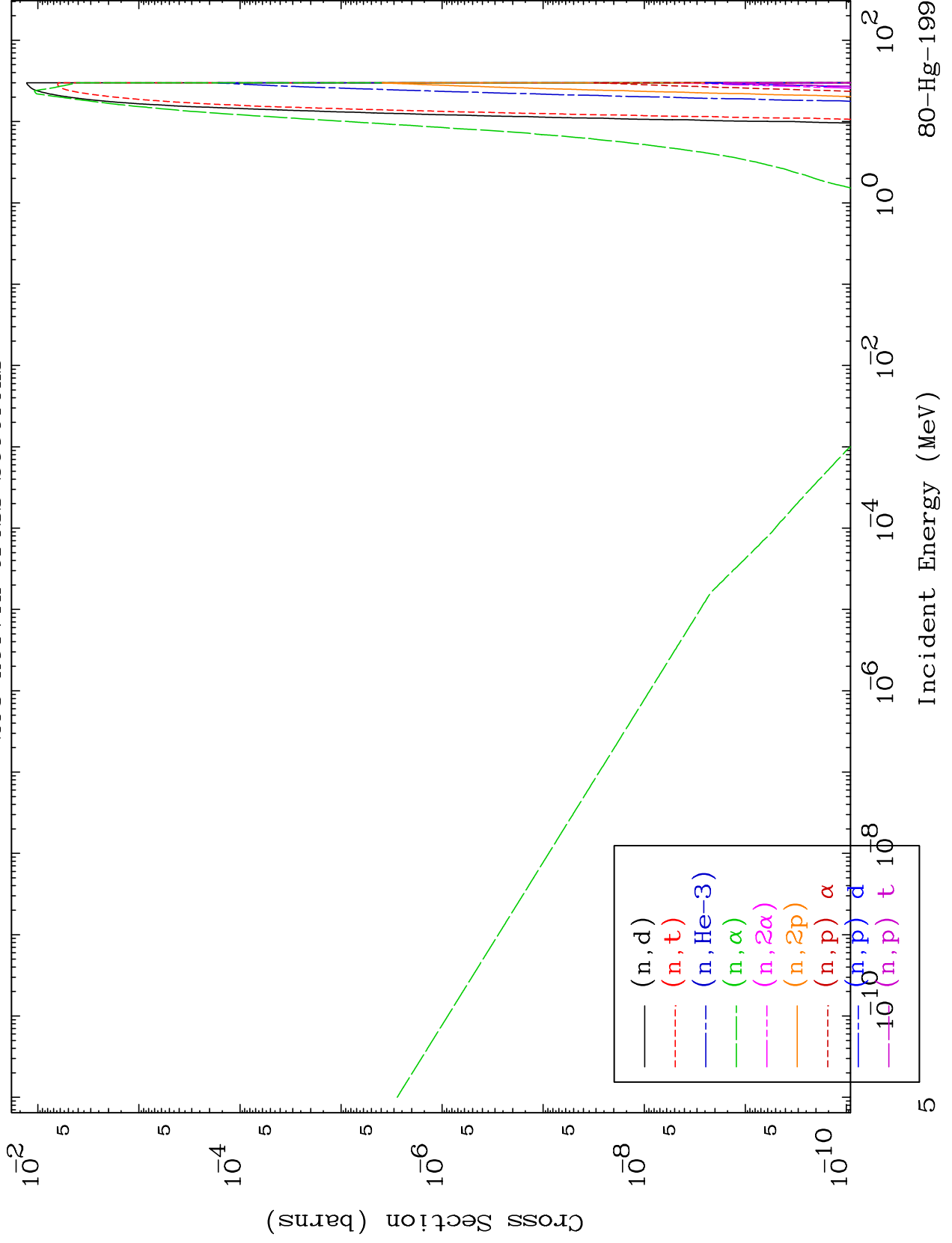
80-Hg-199



MAT 8034

Charged Particle
293 Kelvin Cross Sections

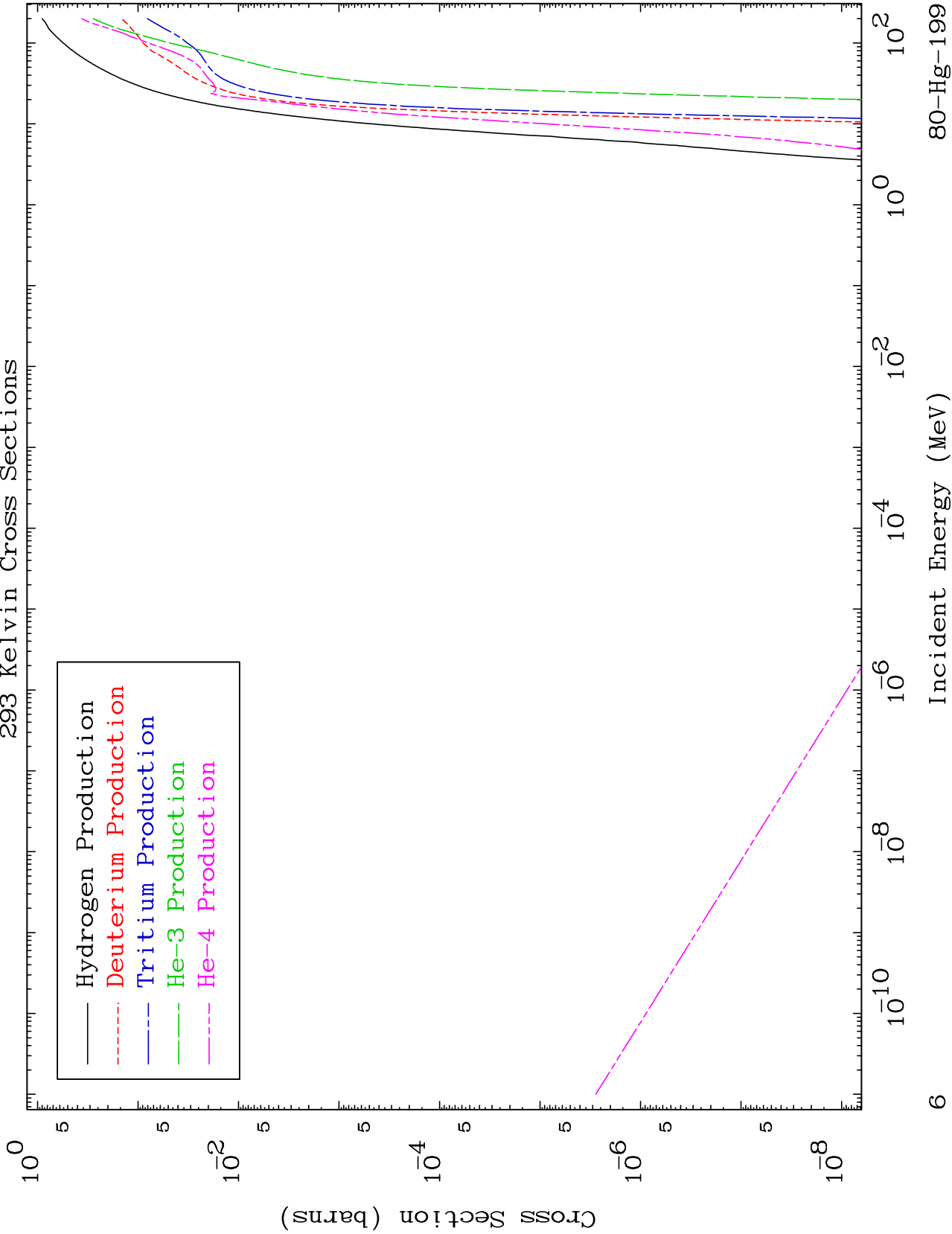
80-Hg-199



MAT 8034

Particle Production
293 Kelvin Cross Sections

80-Hg-199

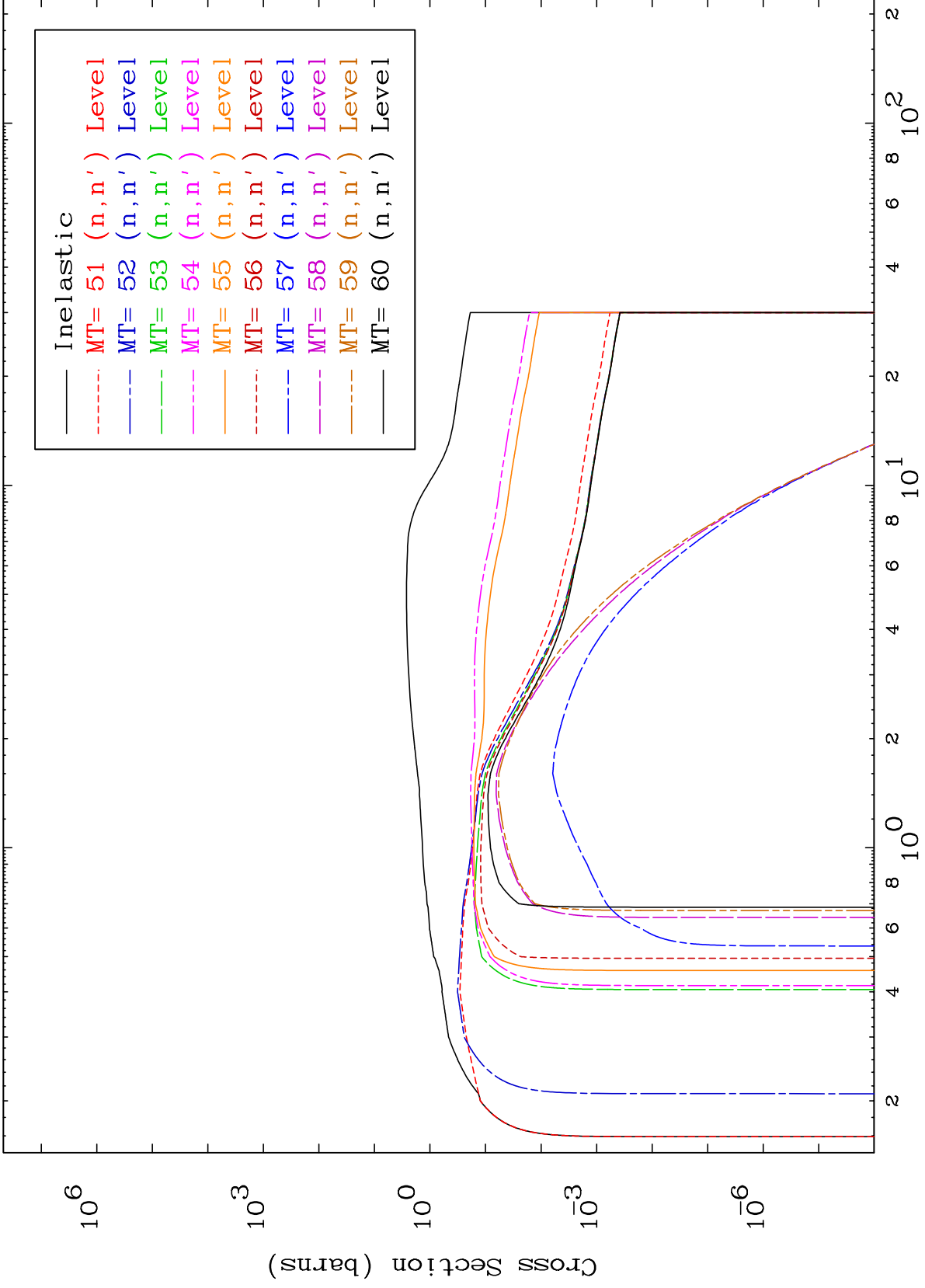


MAT 8034

(n,n') Level

80-Hg-199

293 Kelvin Cross Sections

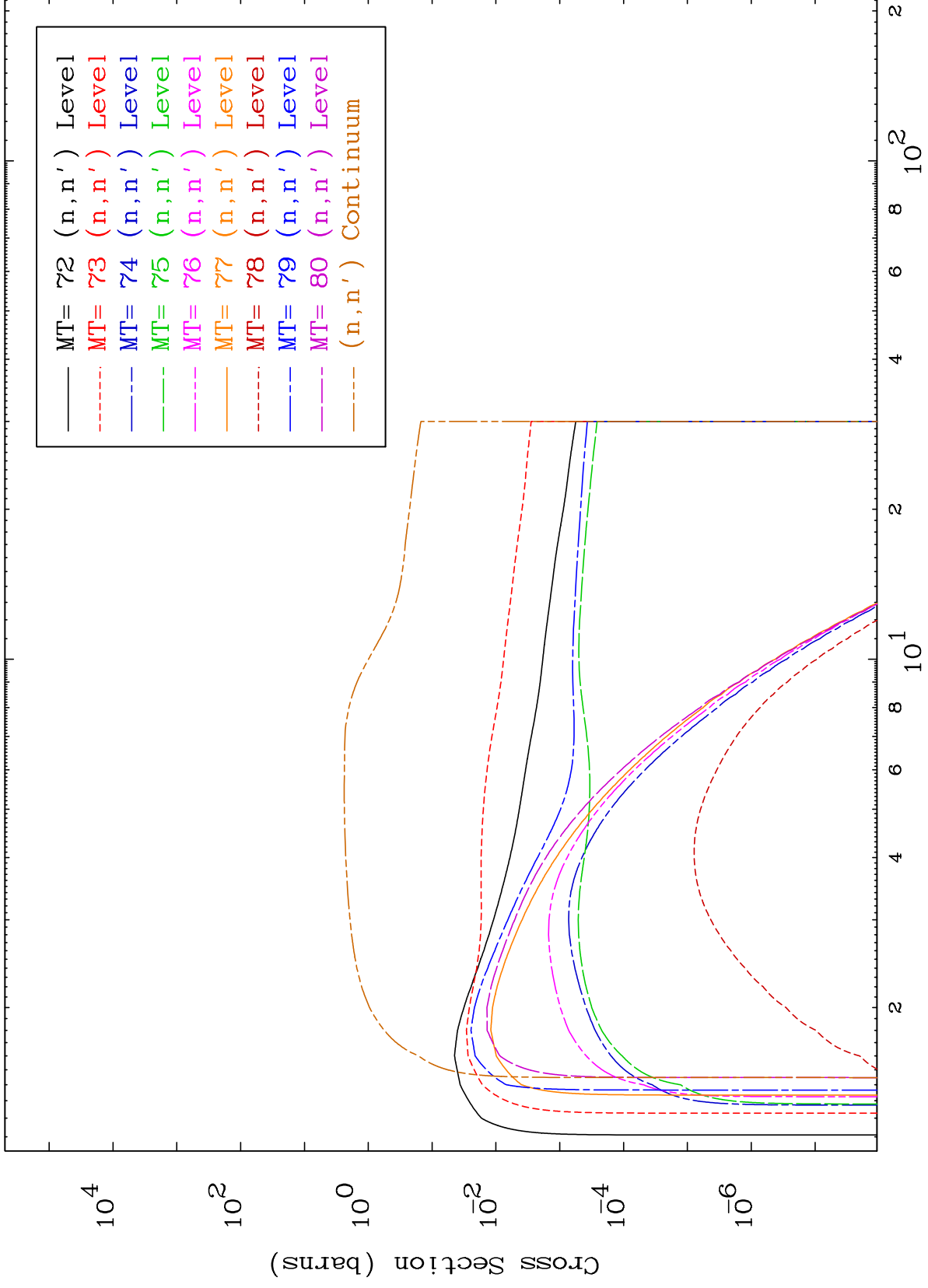


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Incident Energy (MeV)

80-Hg-199

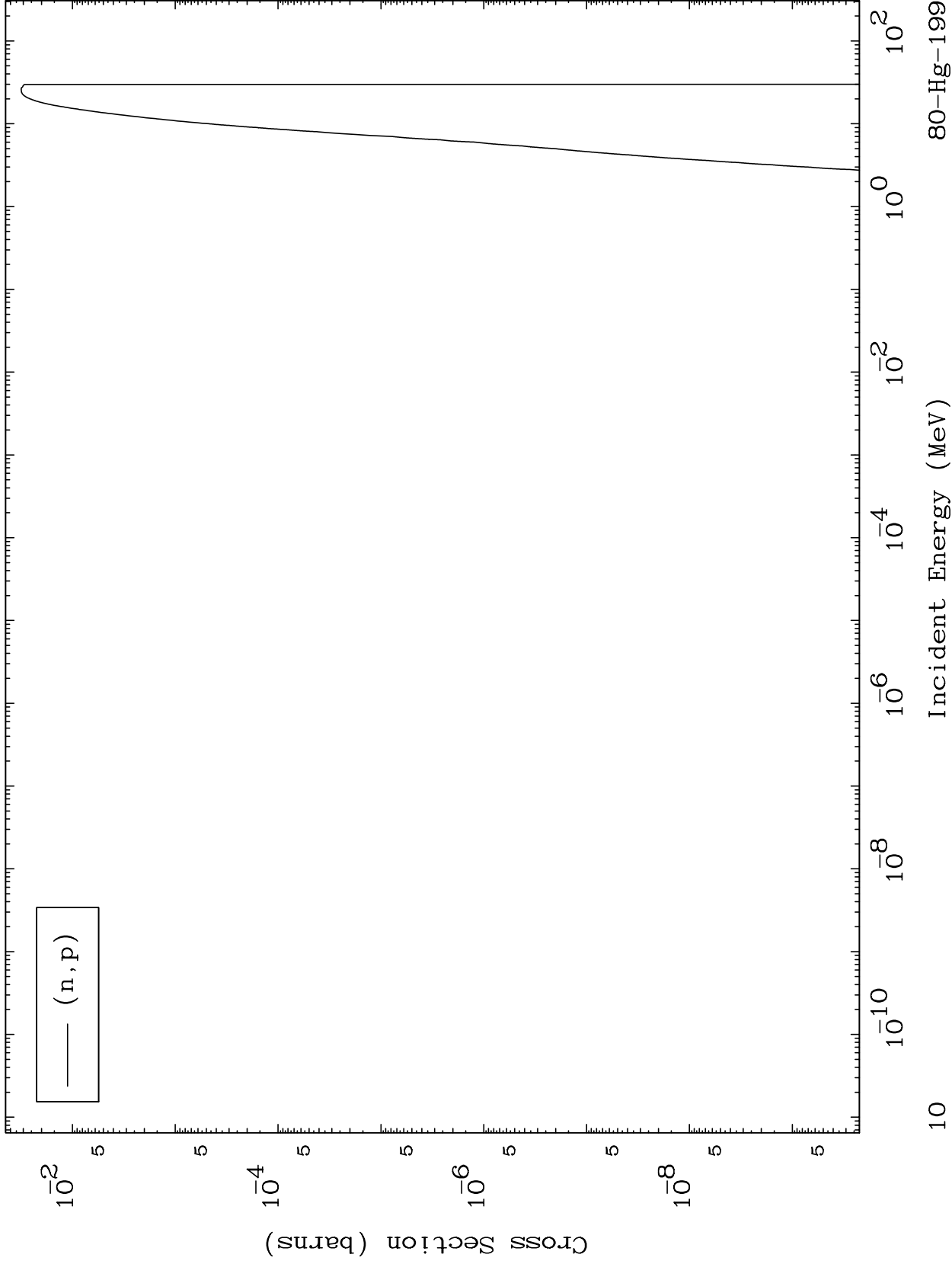
293 Kelvin Cross Sections



MAT 8034

(n,p) Levels
293 Kelvin Cross Sections

80-Hg-199



10

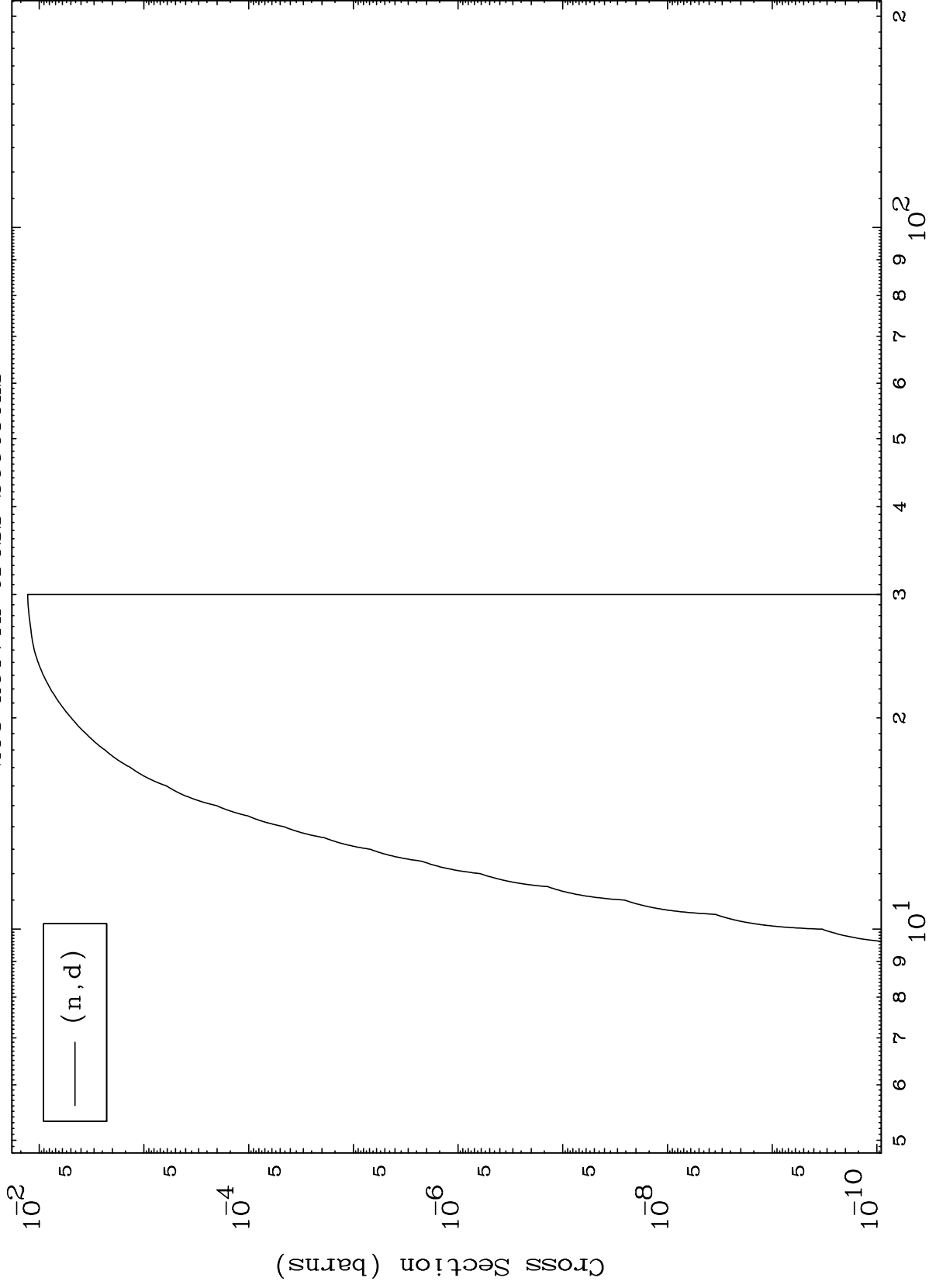
Incident Energy (MeV)

80-Hg-199

MAT 8034

(n,d) Levels
293 Kelvin Cross Sections

80-Hg-199



11

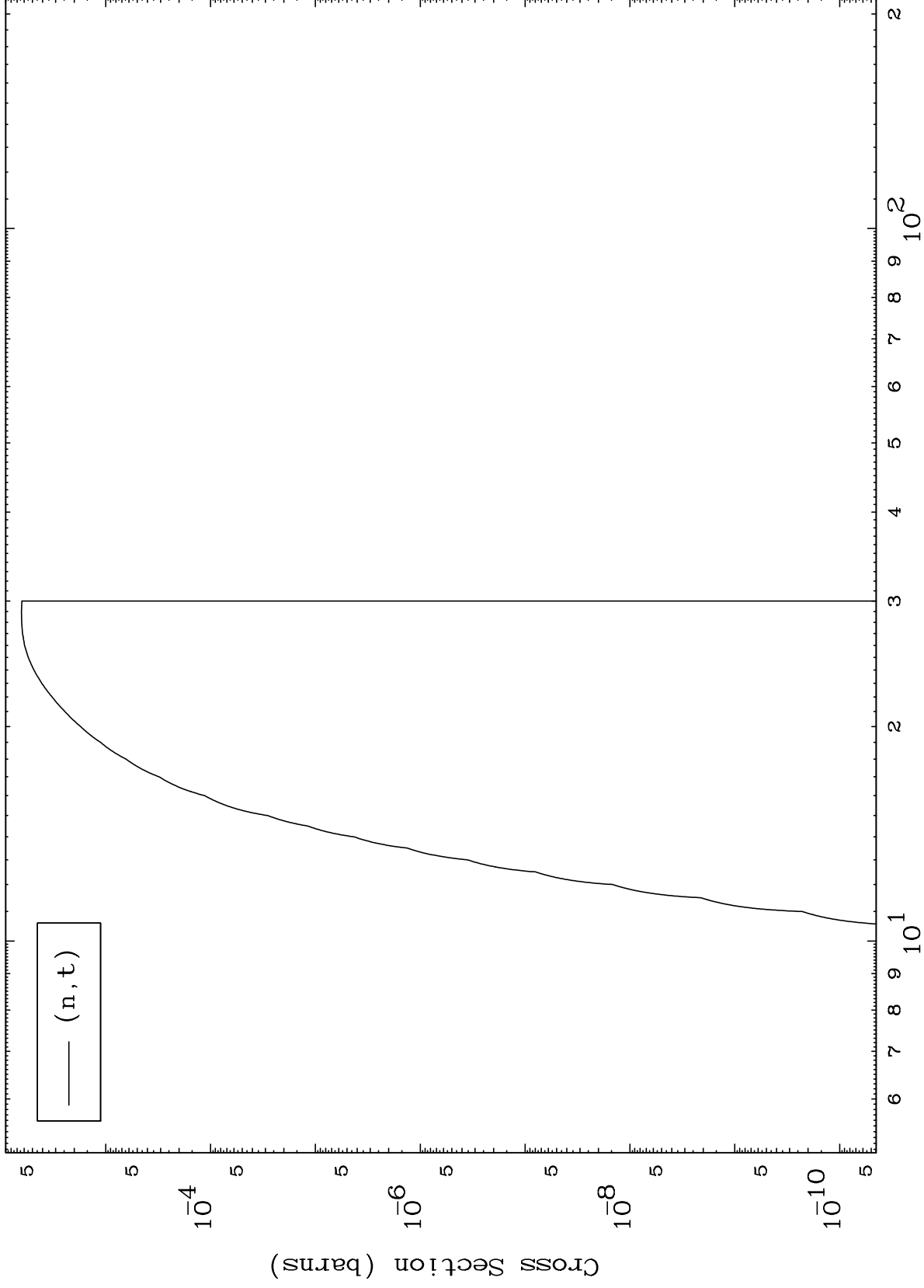
Incident Energy (MeV)

80-Hg-199

MAT 8034

(n,t) Levels
293 Kelvin Cross Sections

80-Hg-199



12

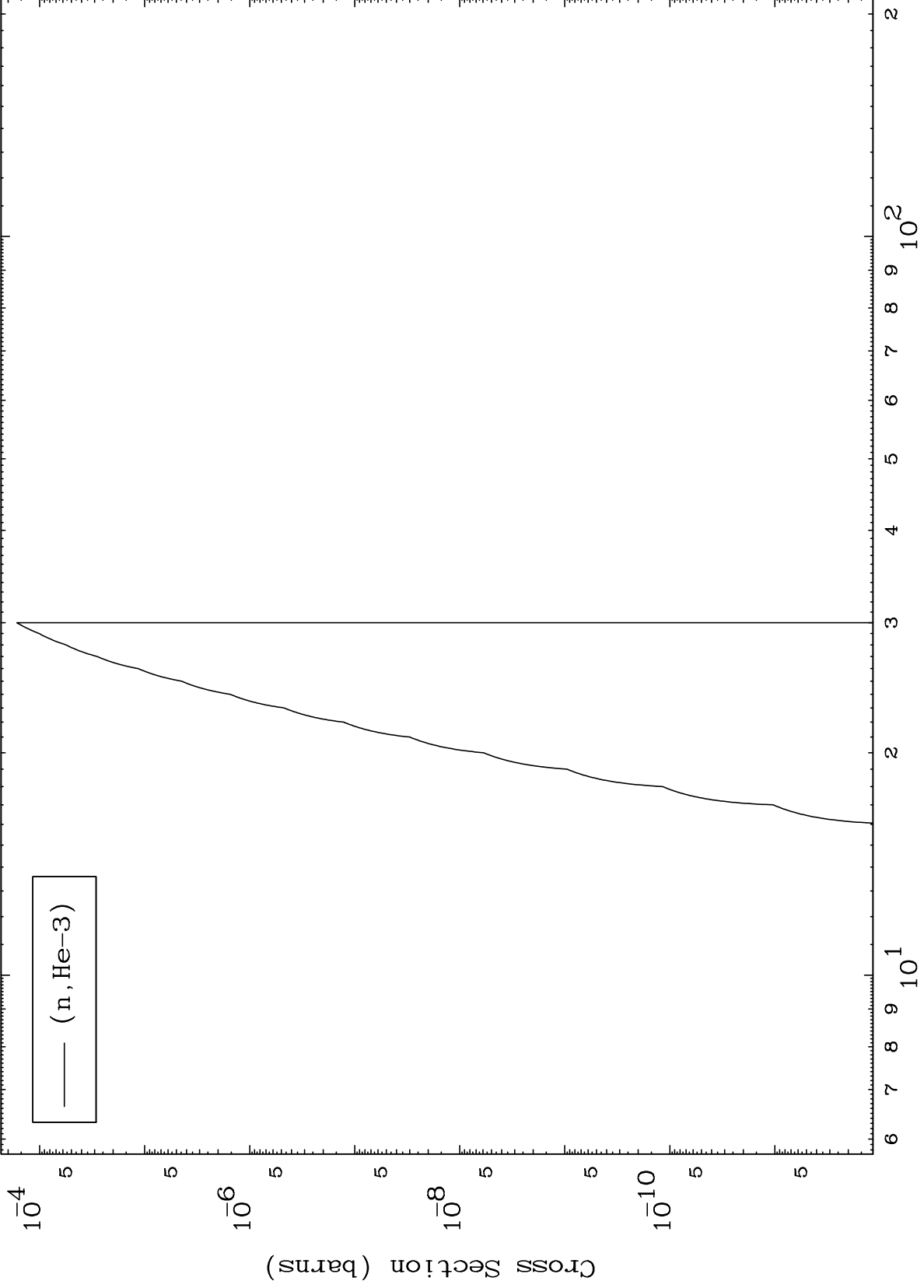
Incident Energy (MeV)

80-Hg-199

MAT 8034

(n,He3) Levels
293 Kelvin Cross Sections

80-Hg-199



13

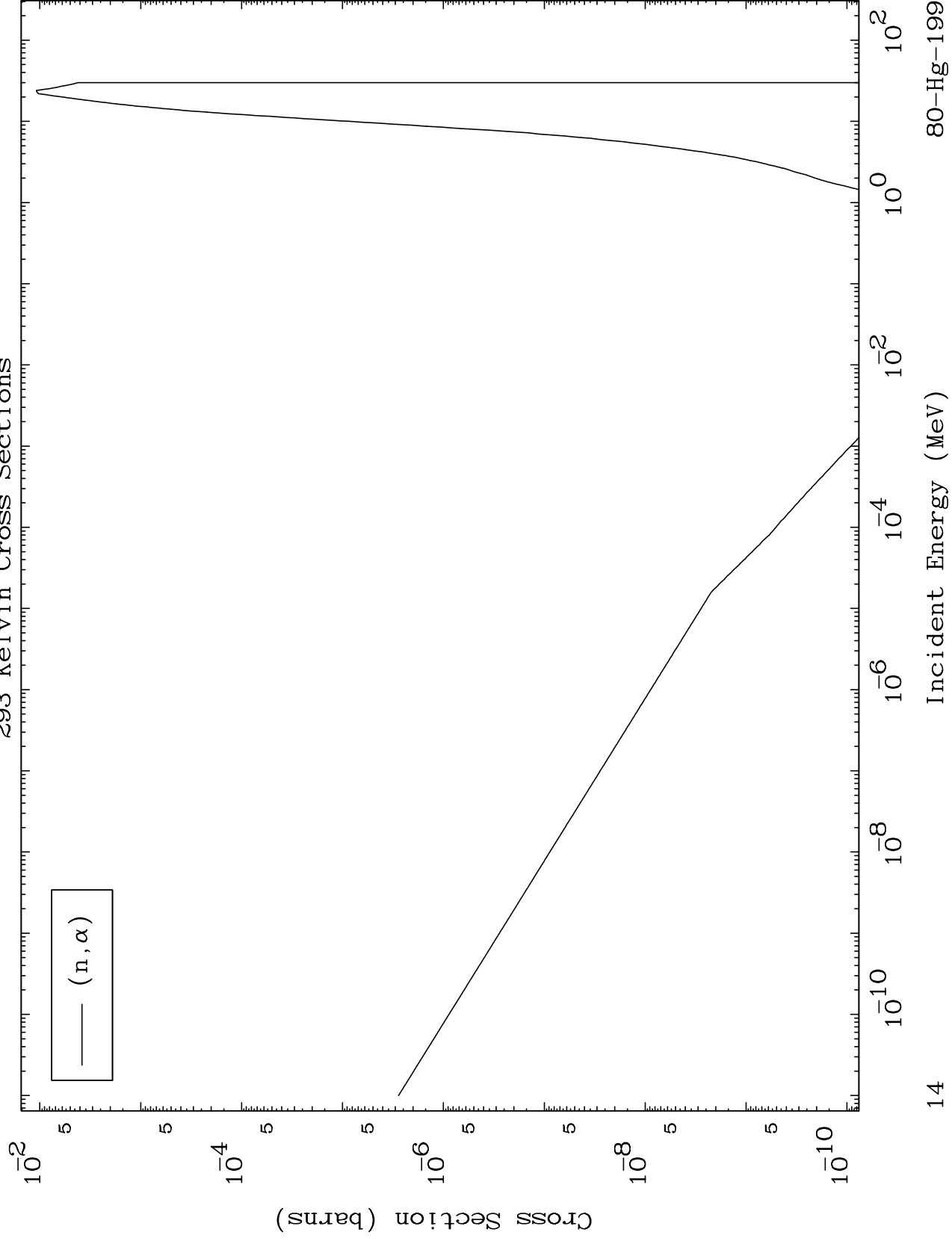
Incident Energy (MeV)

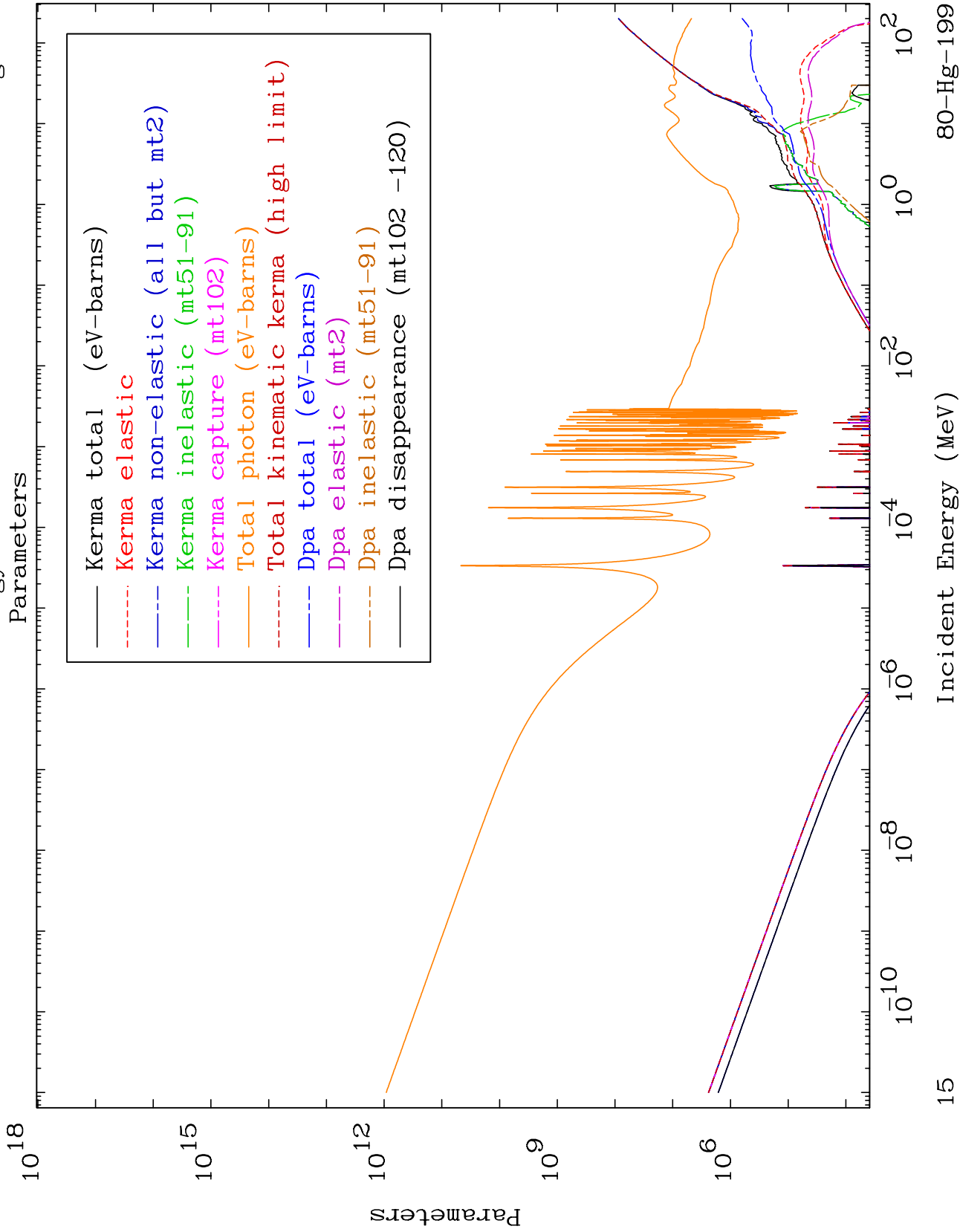
80-Hg-199

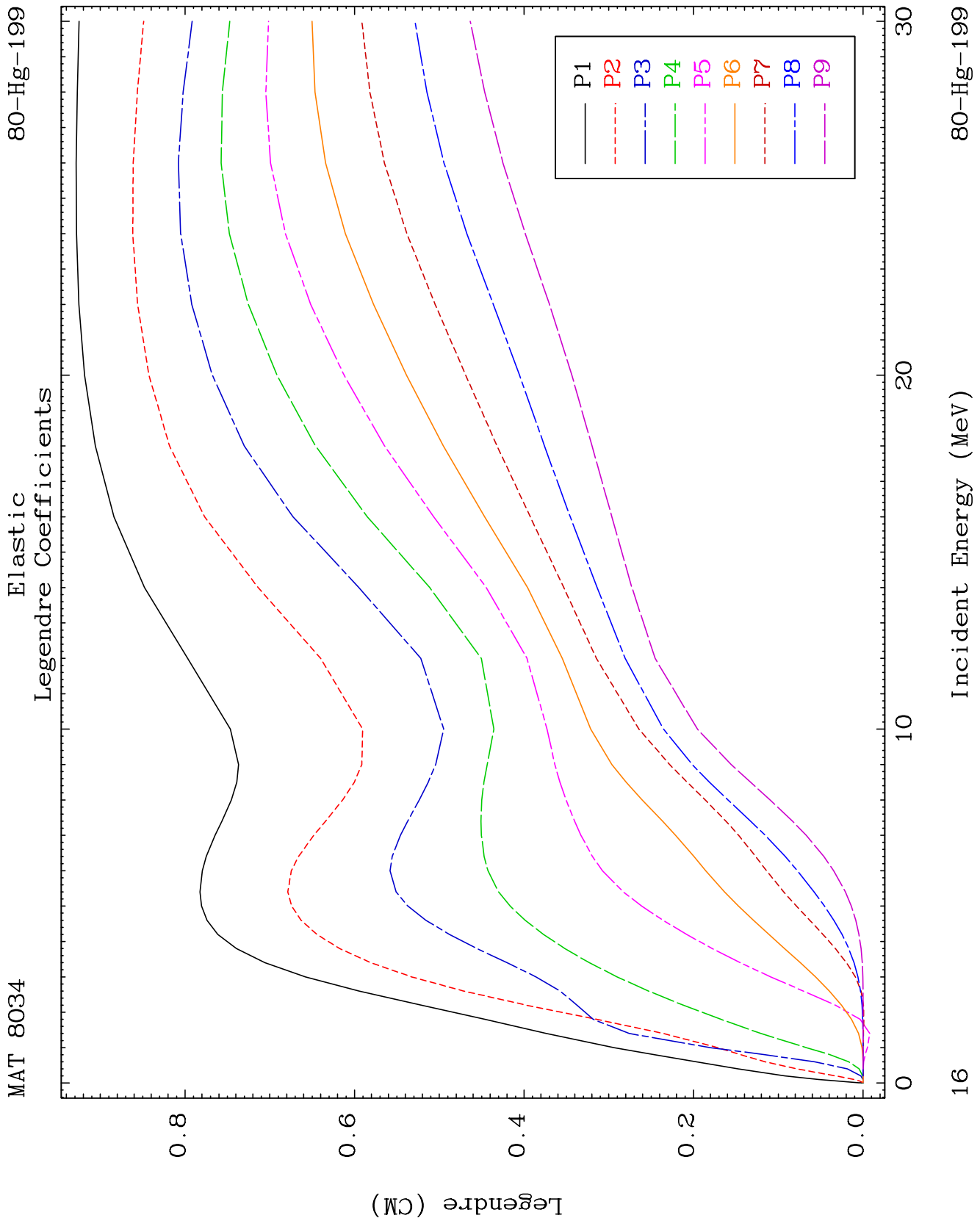
MAT 8034

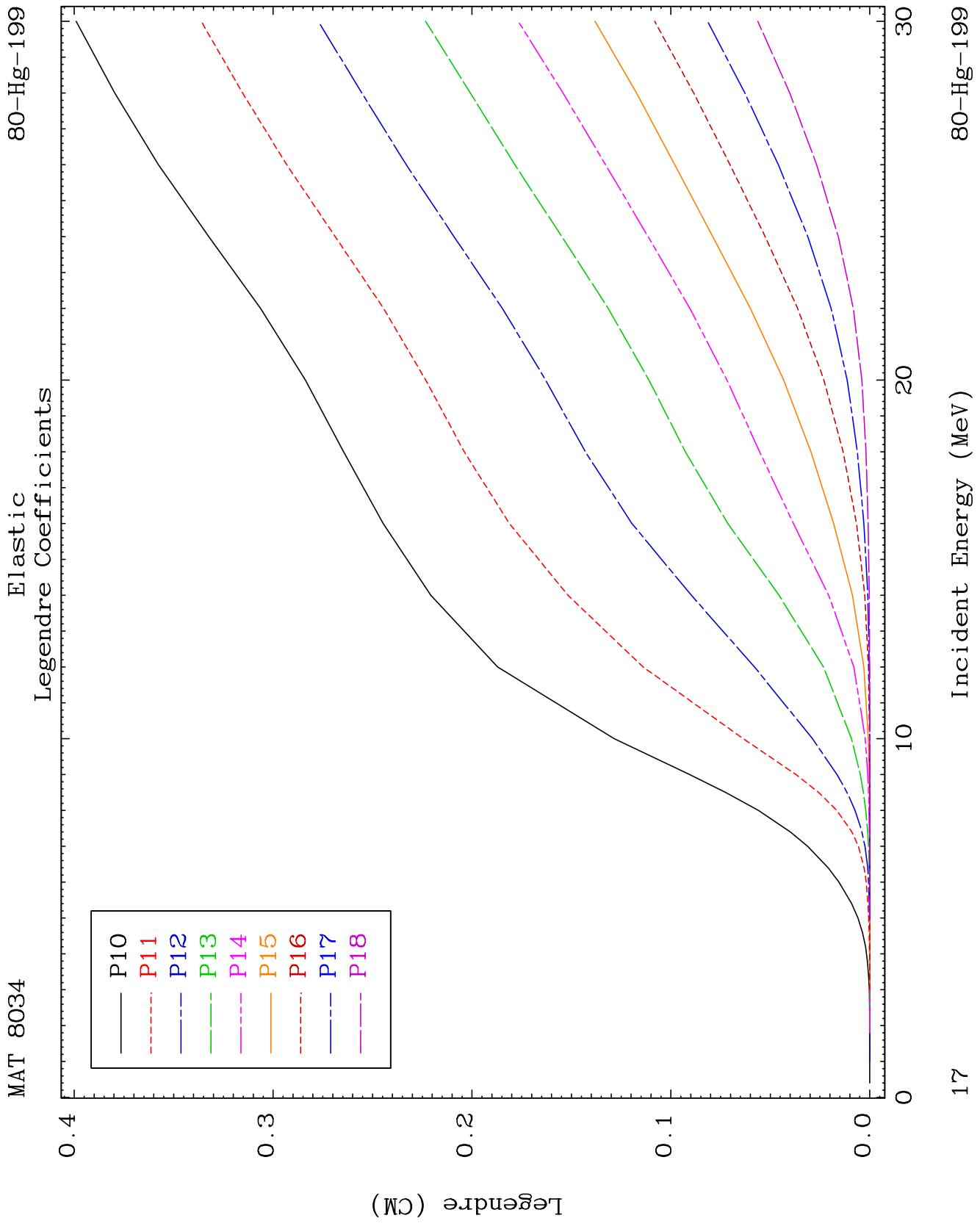
(n, α) Levels
293 Kelvin Cross Sections

80-Hg-199





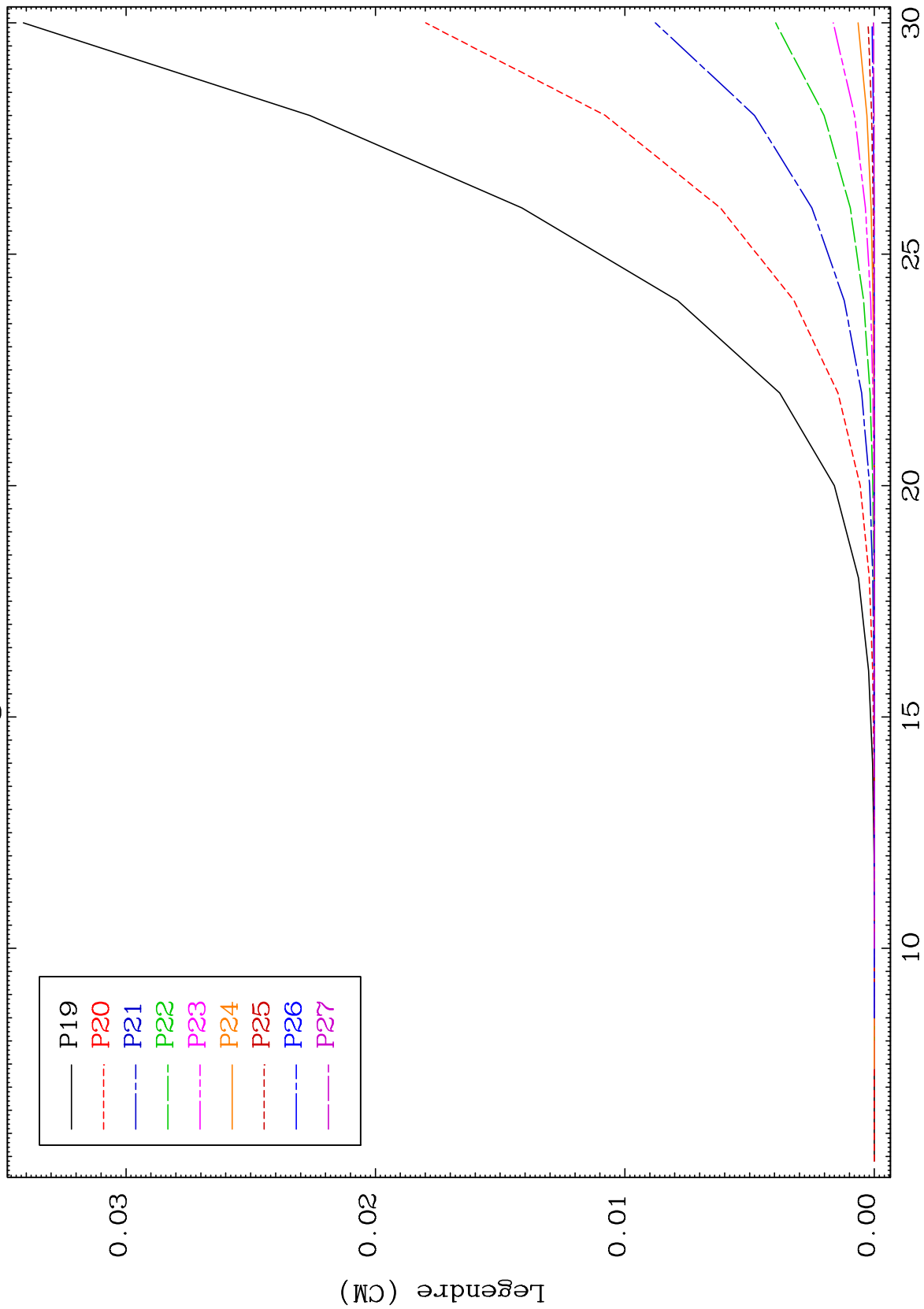




MAT 8034

Elastic Legendre Coefficients

80-Hg-199



18

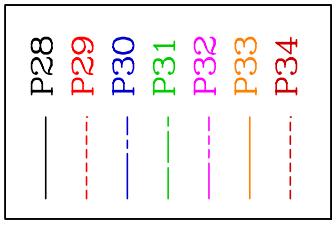
Incident Energy (MeV)

80-Hg-199

MAT 8034

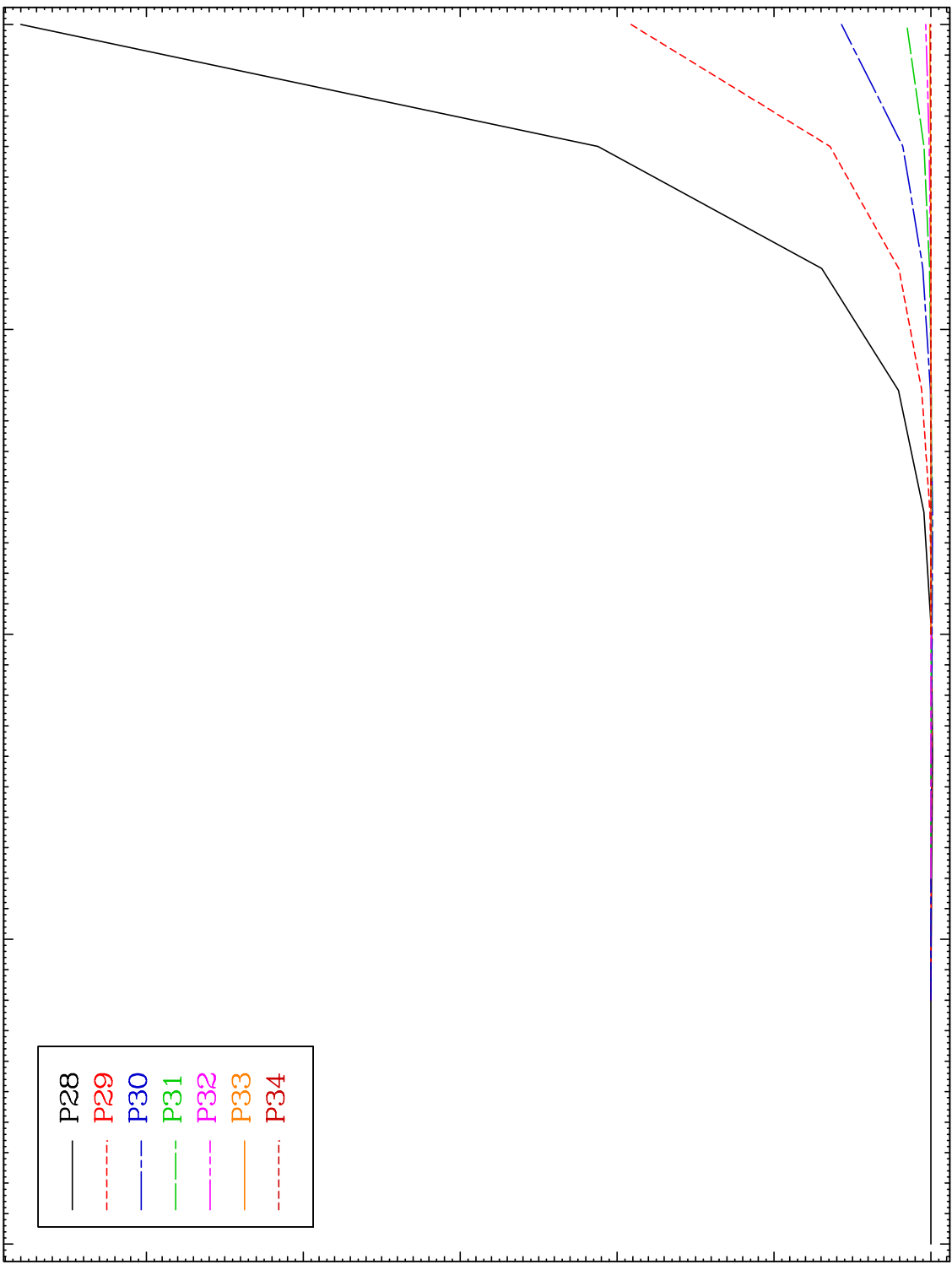
Elastic Legendre Coefficients

80-Hg-199



$\times 10^{-5}$
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0

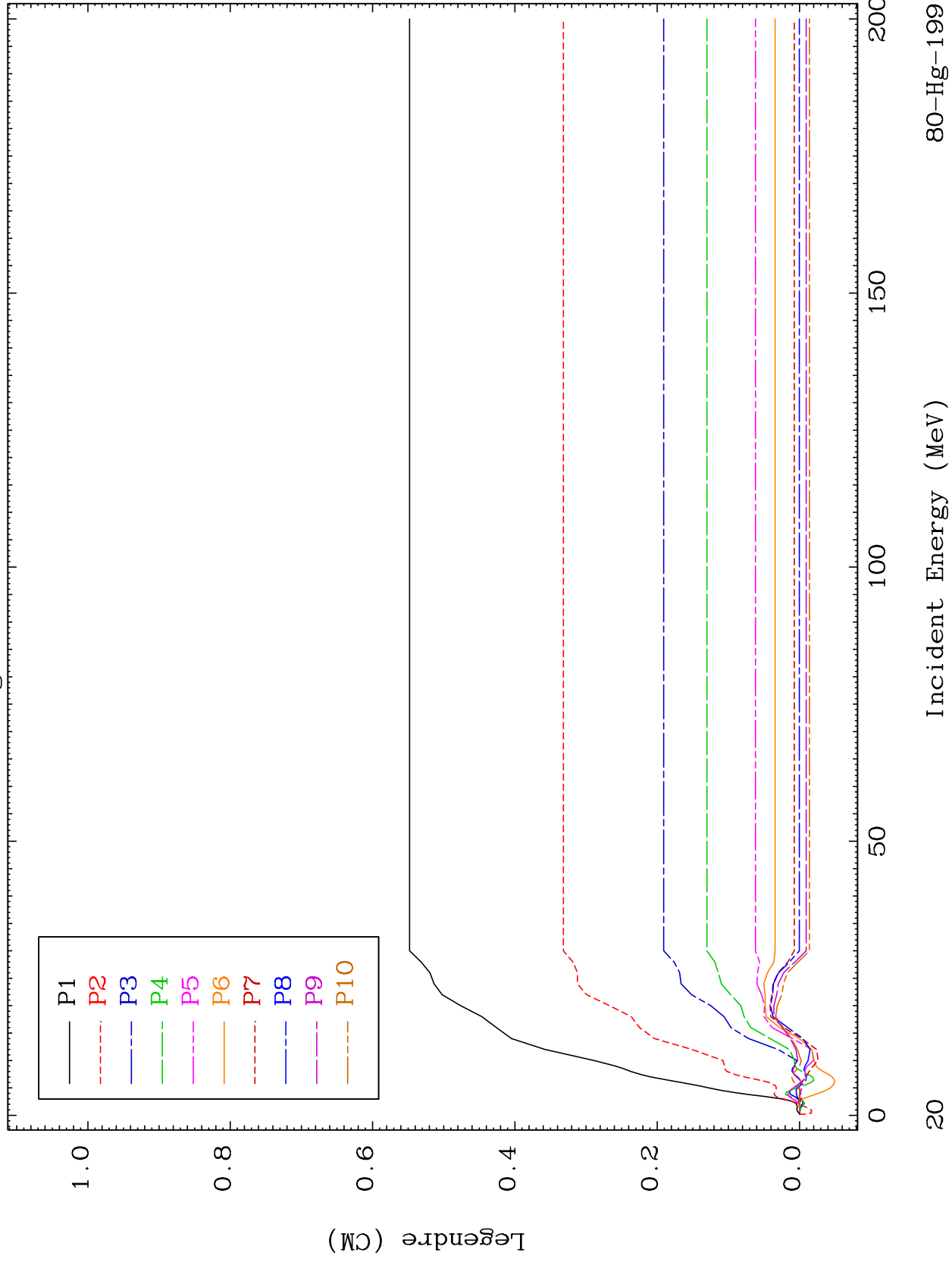
10 15 20 25 30
Incident Energy (MeV)
80-Hg-199



MAT 8034

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

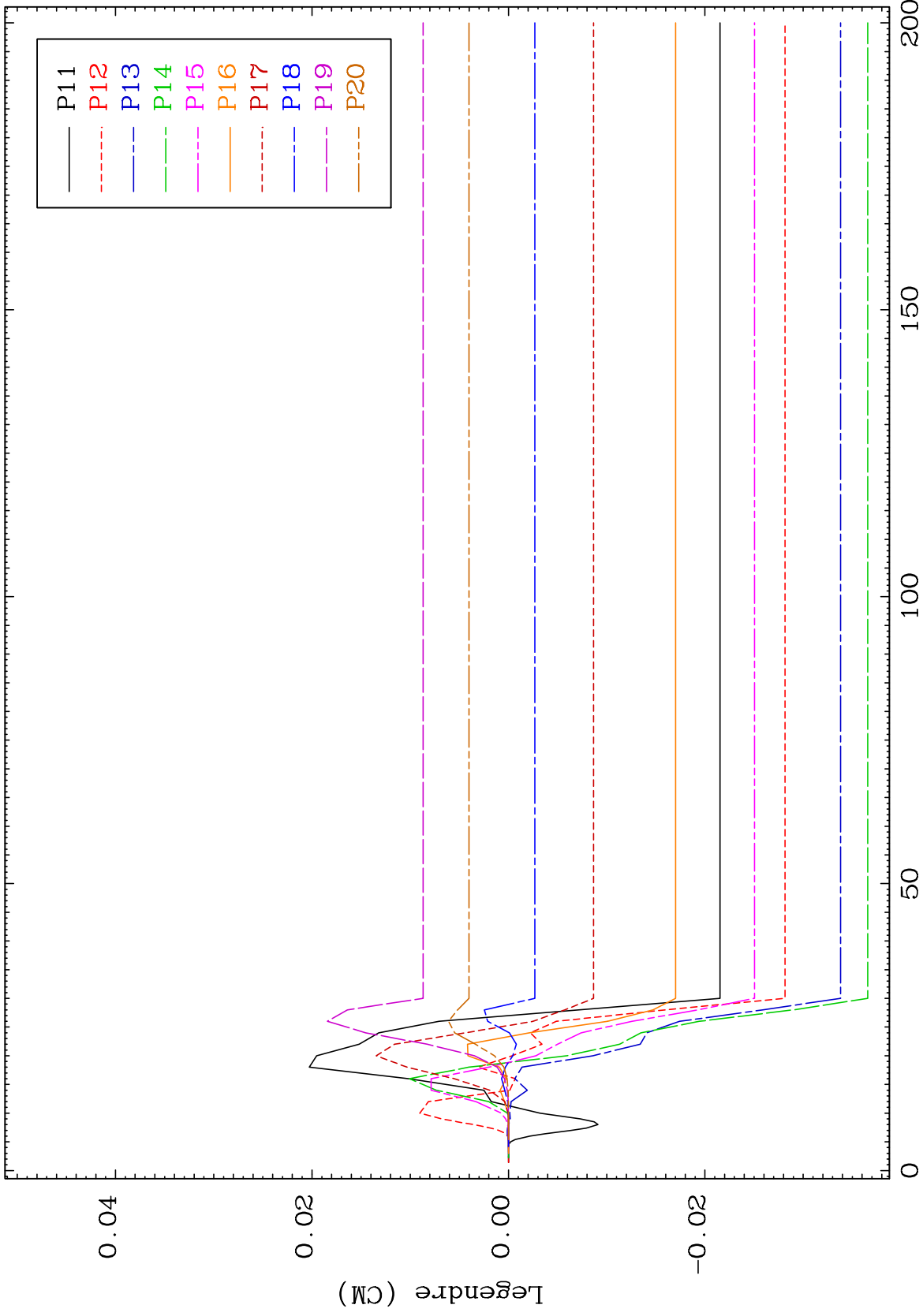
80-Hg-199



MAT 8034

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

80-Hg-199



21

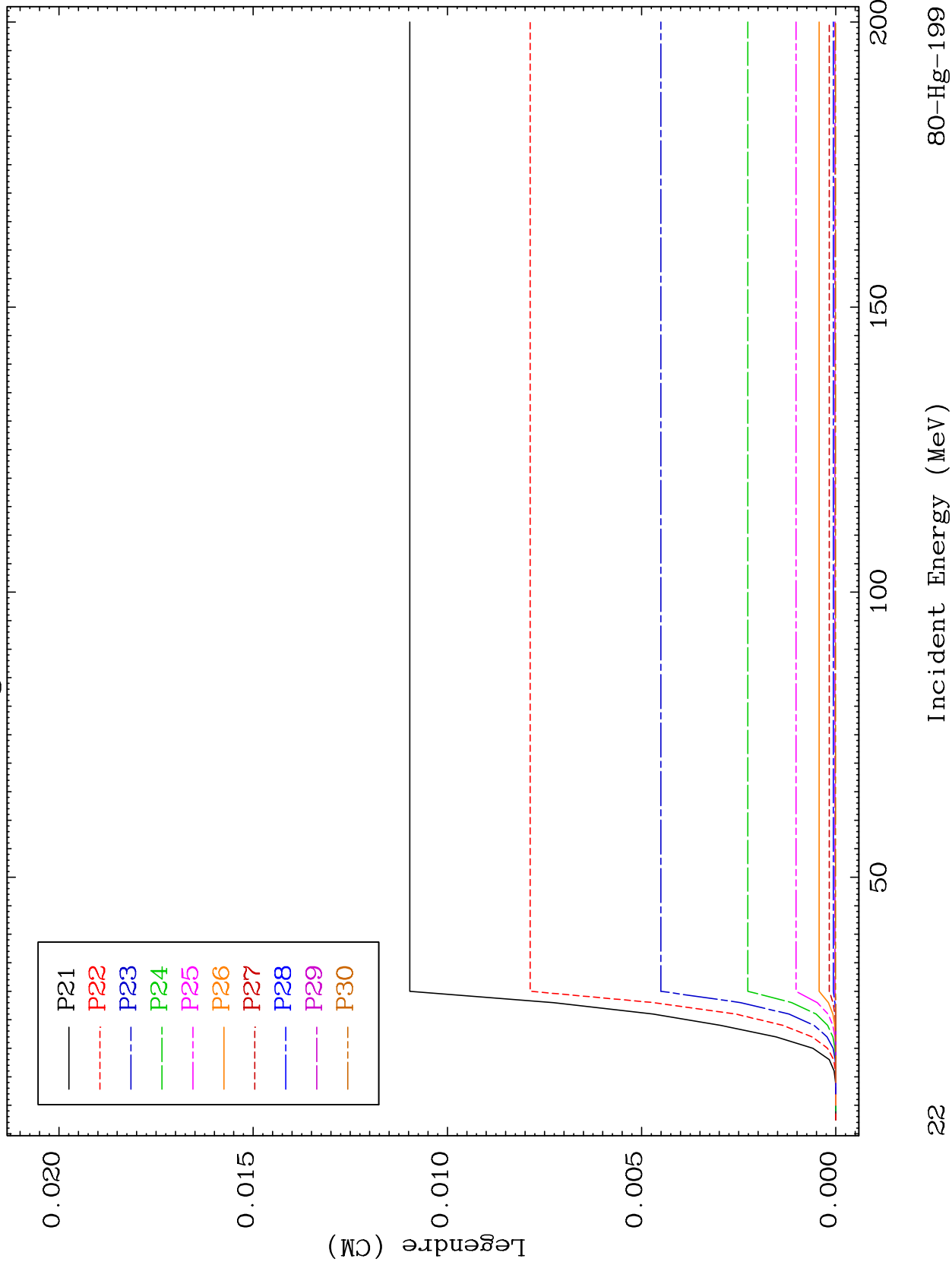
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



22

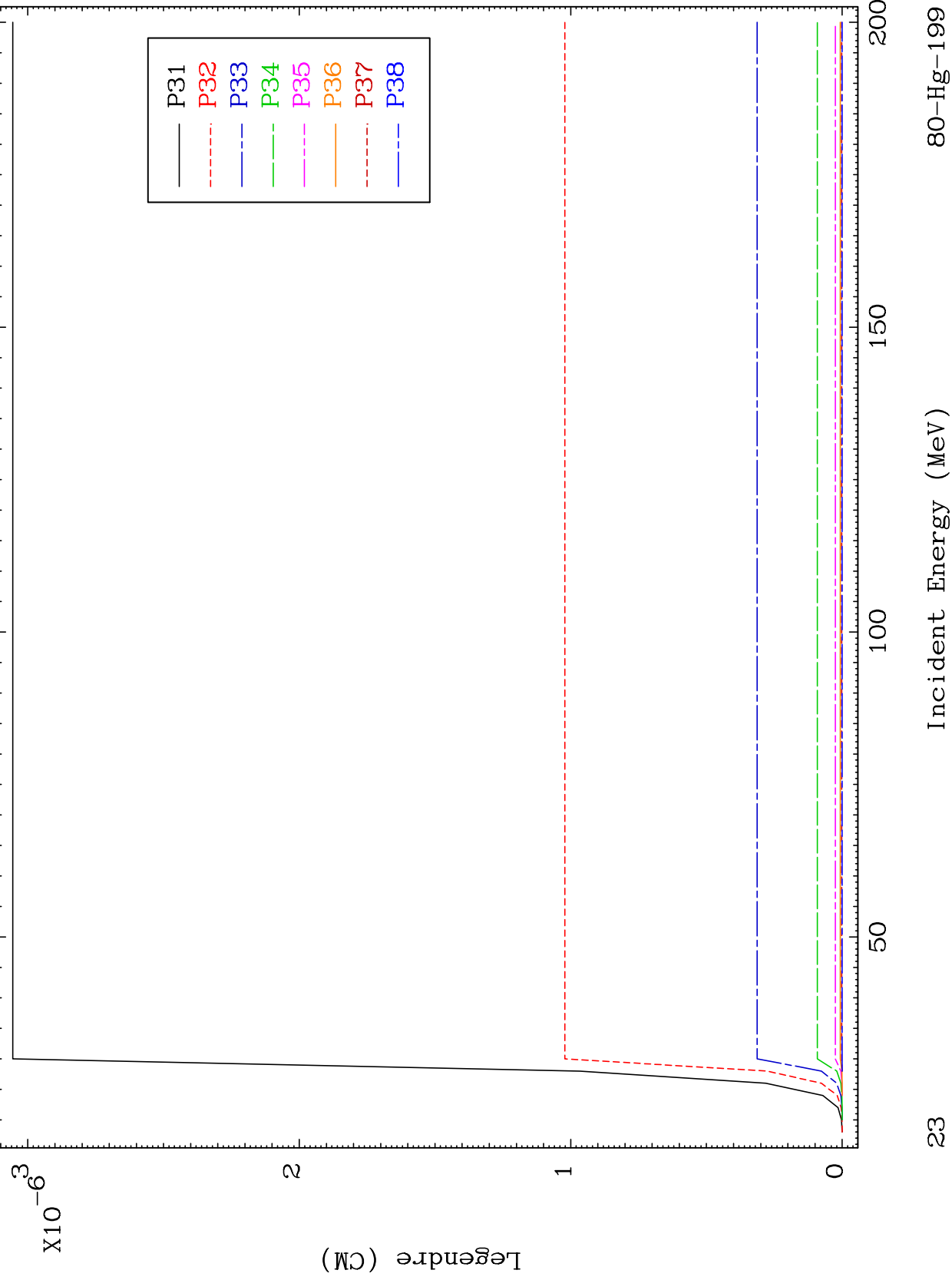
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199

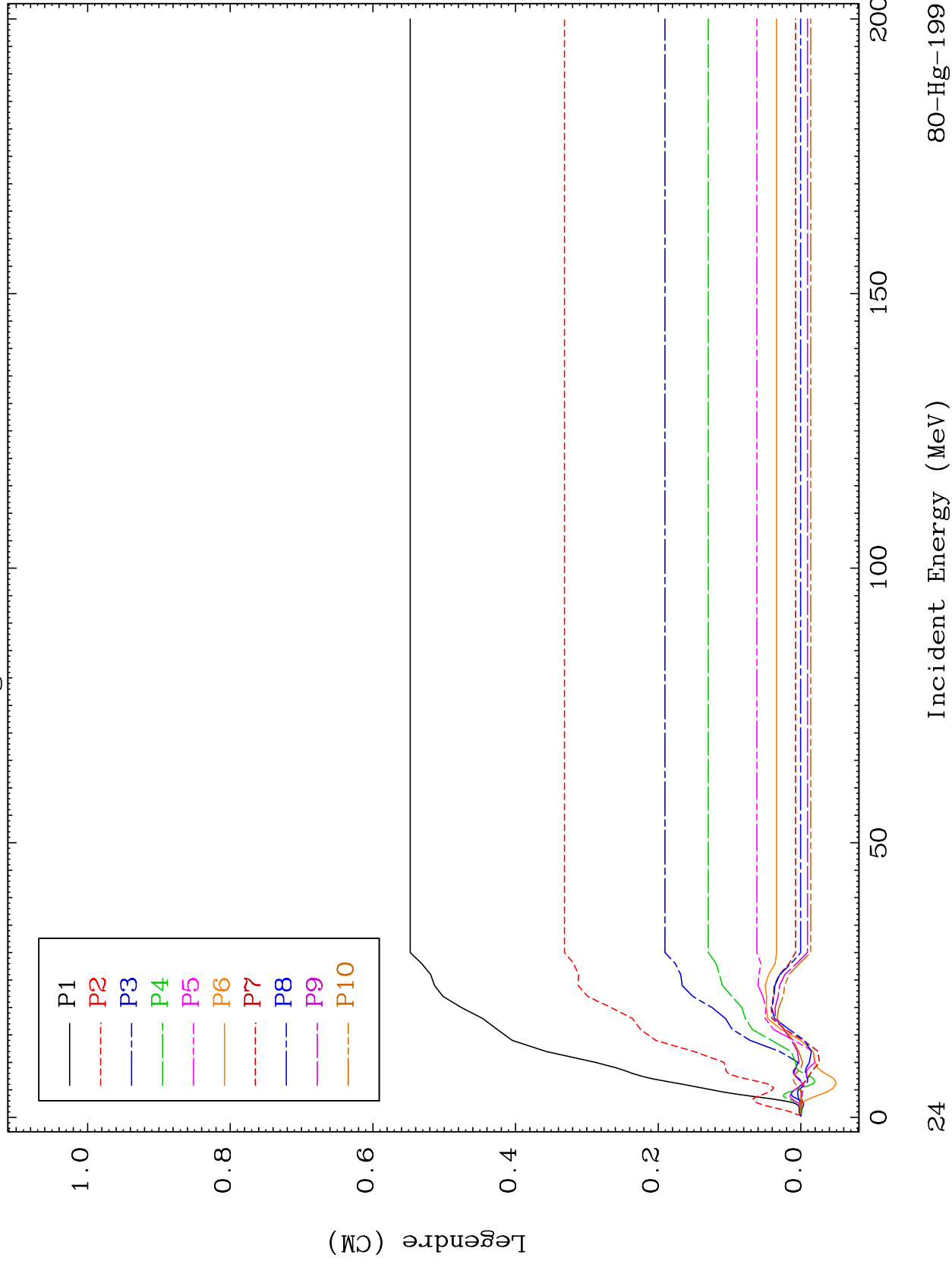


23

MAT 8034

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

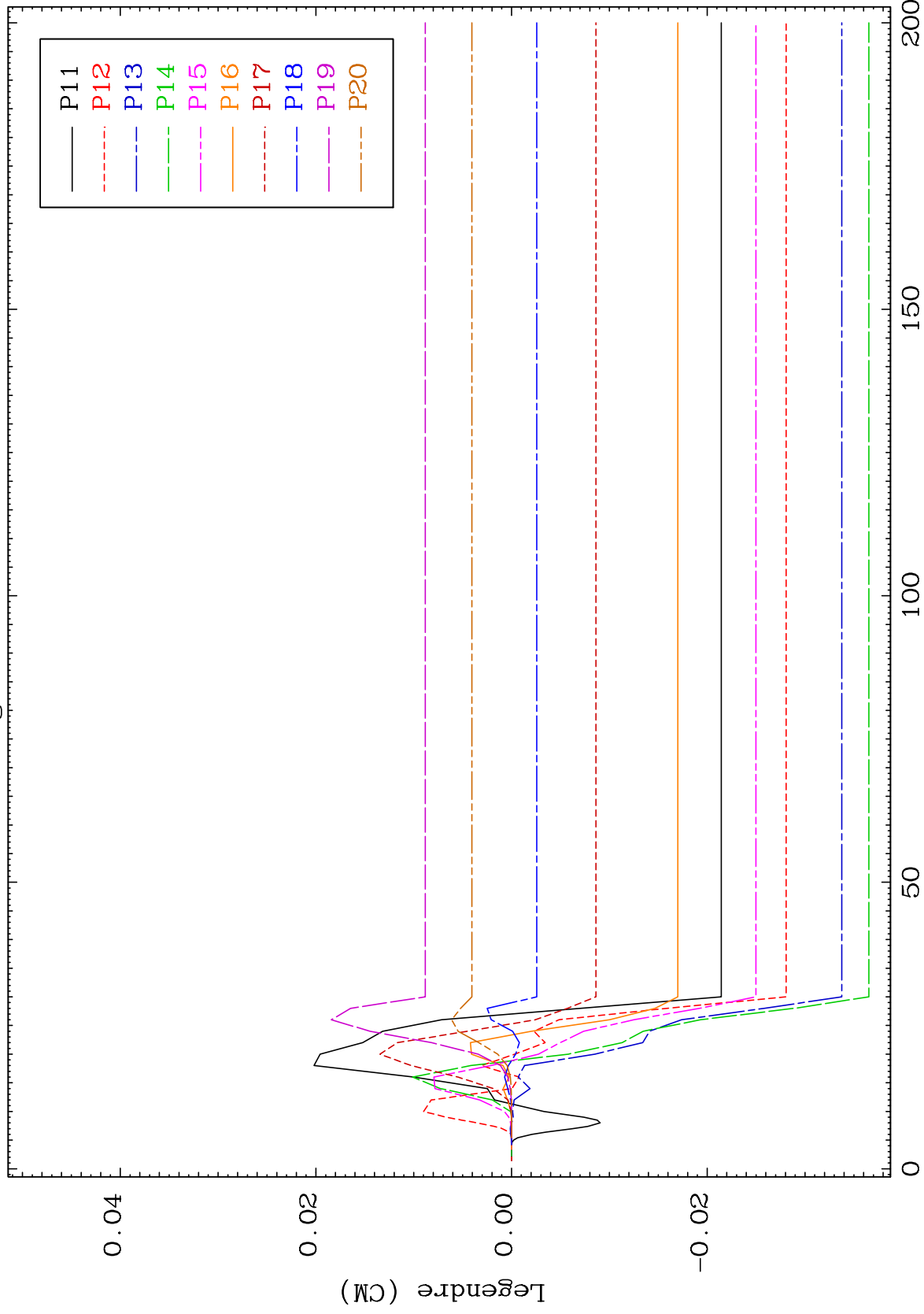
80-Hg-199



MAT 8034

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

80-Hg-199



25

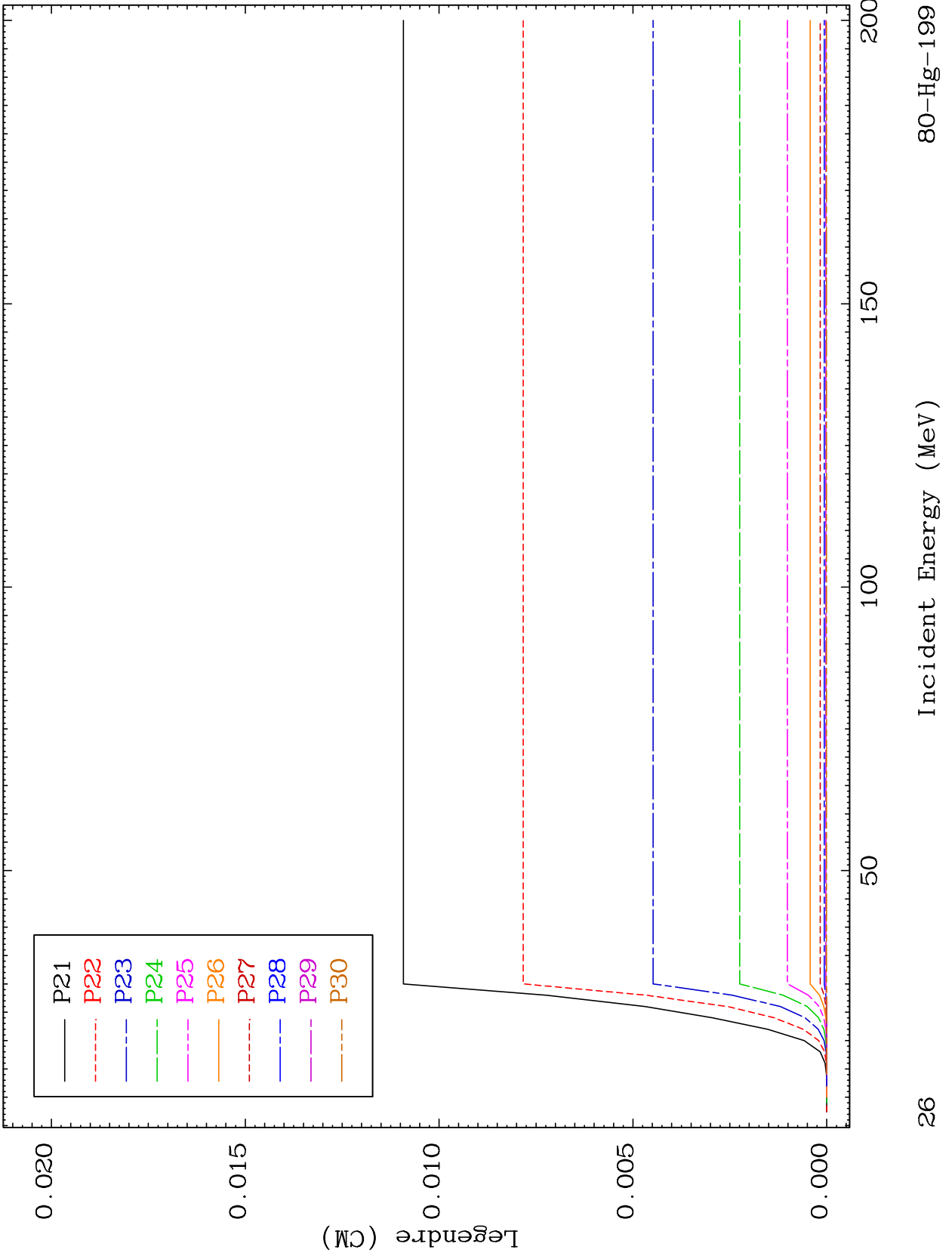
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



26

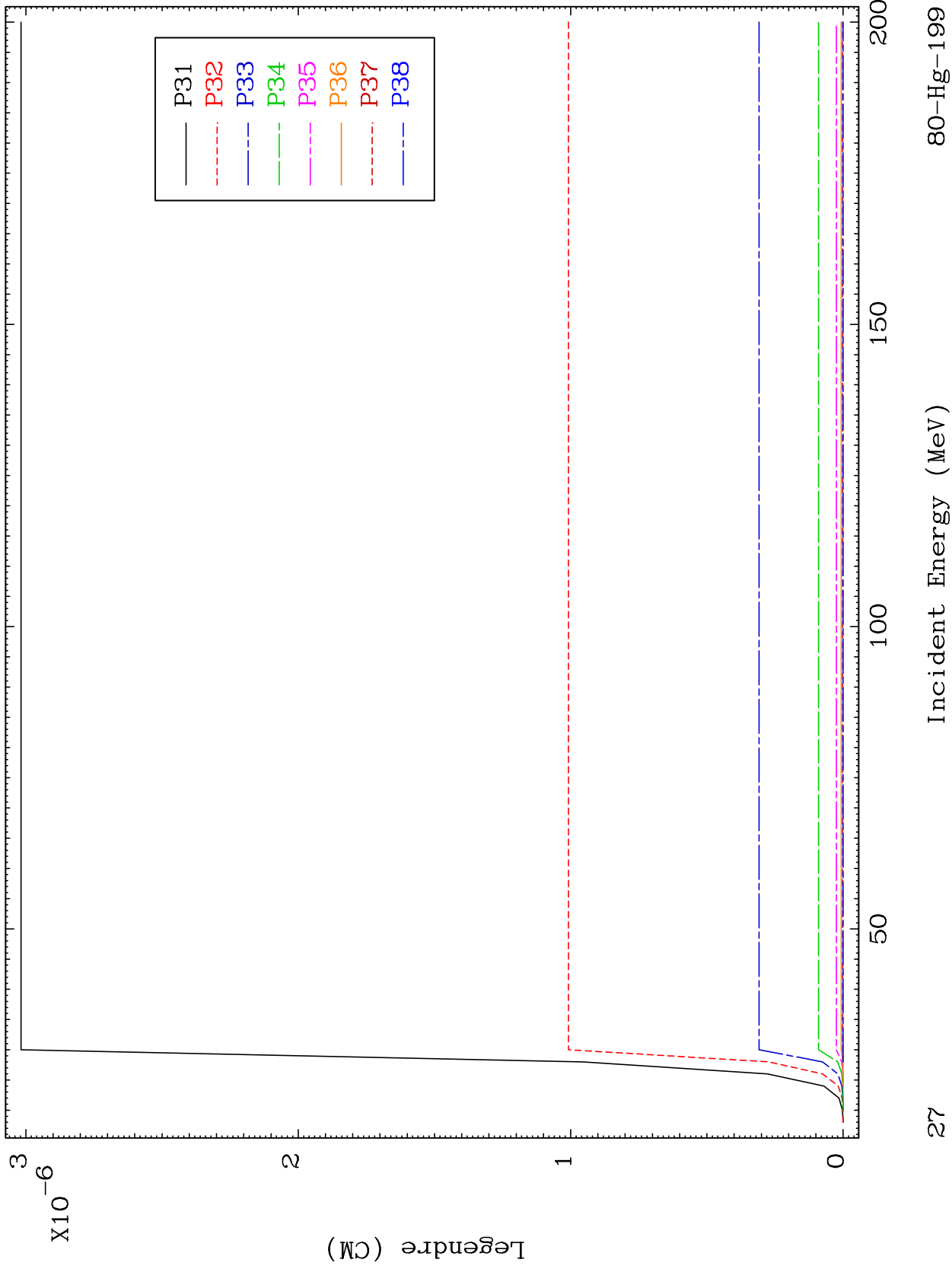
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

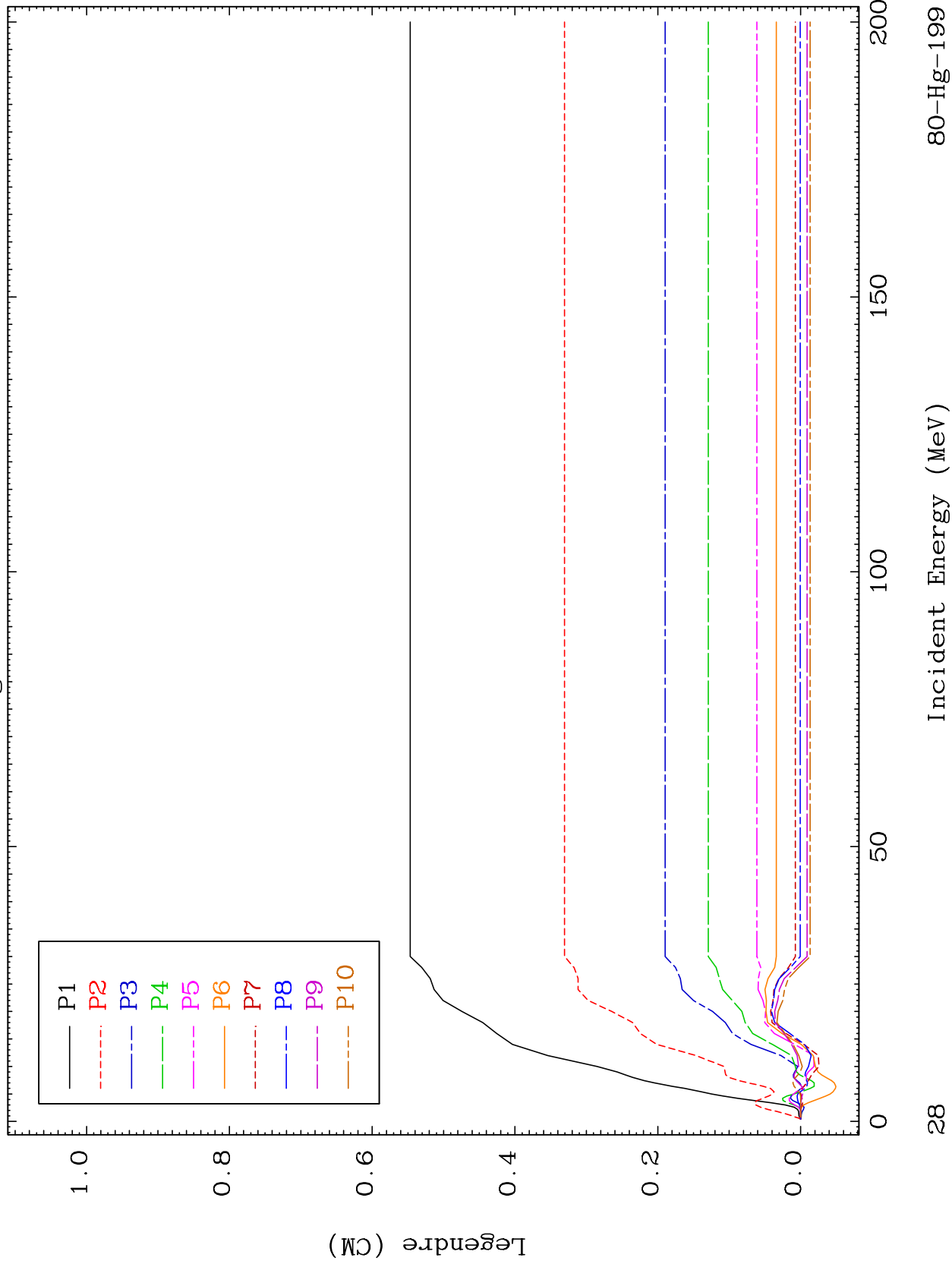
80-Hg-199



MAT 8034

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

80-Hg-199



28

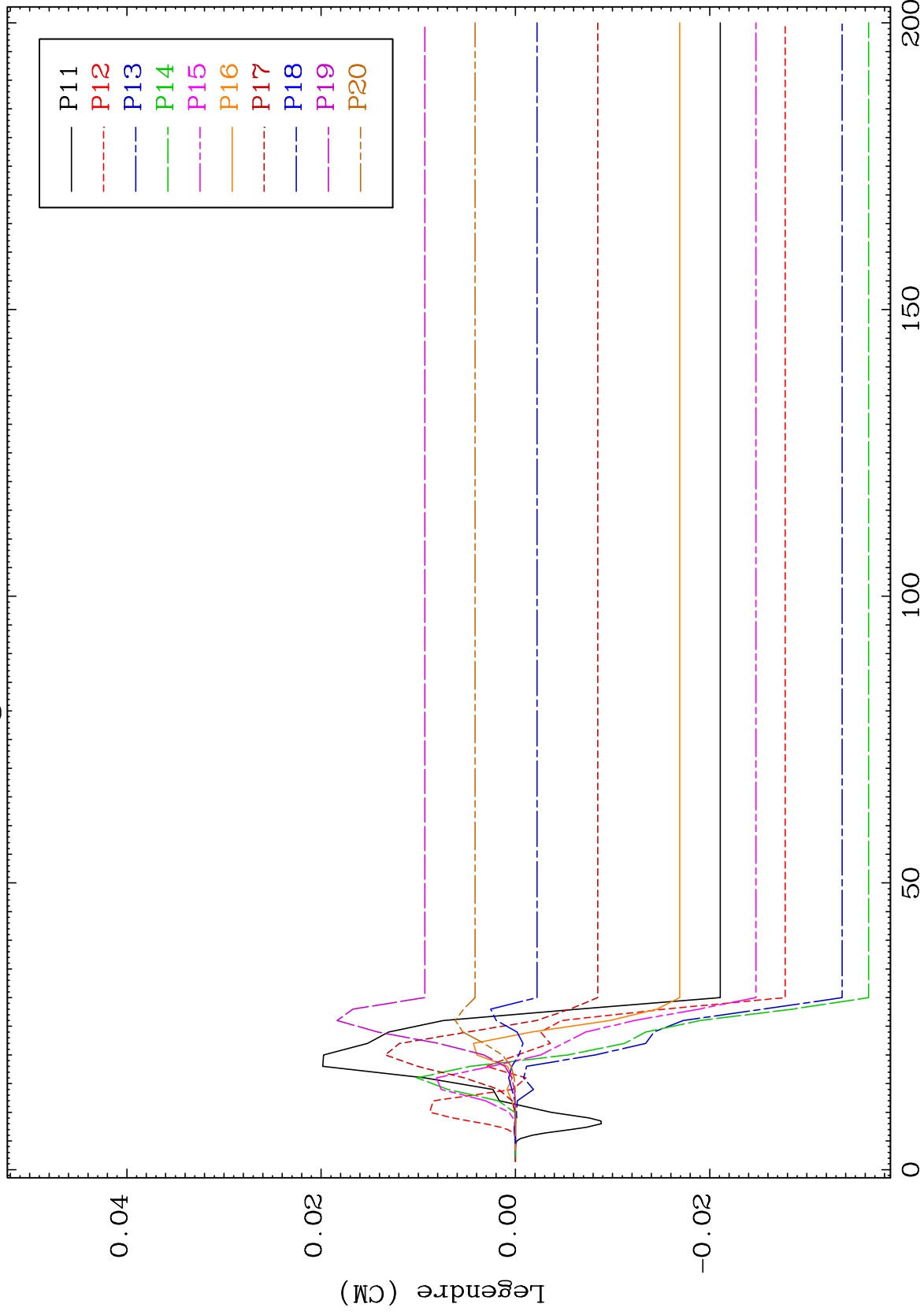
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



29

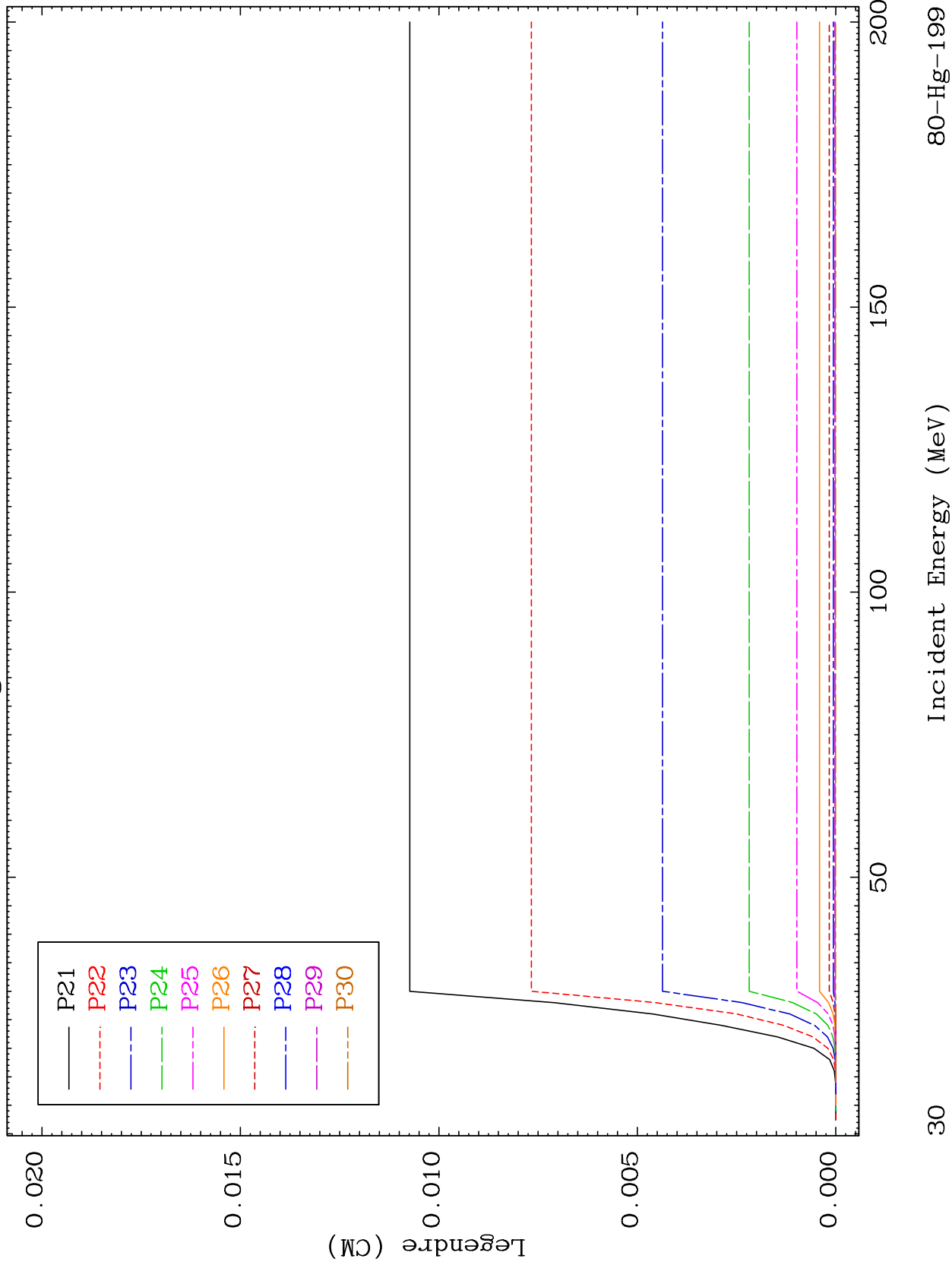
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

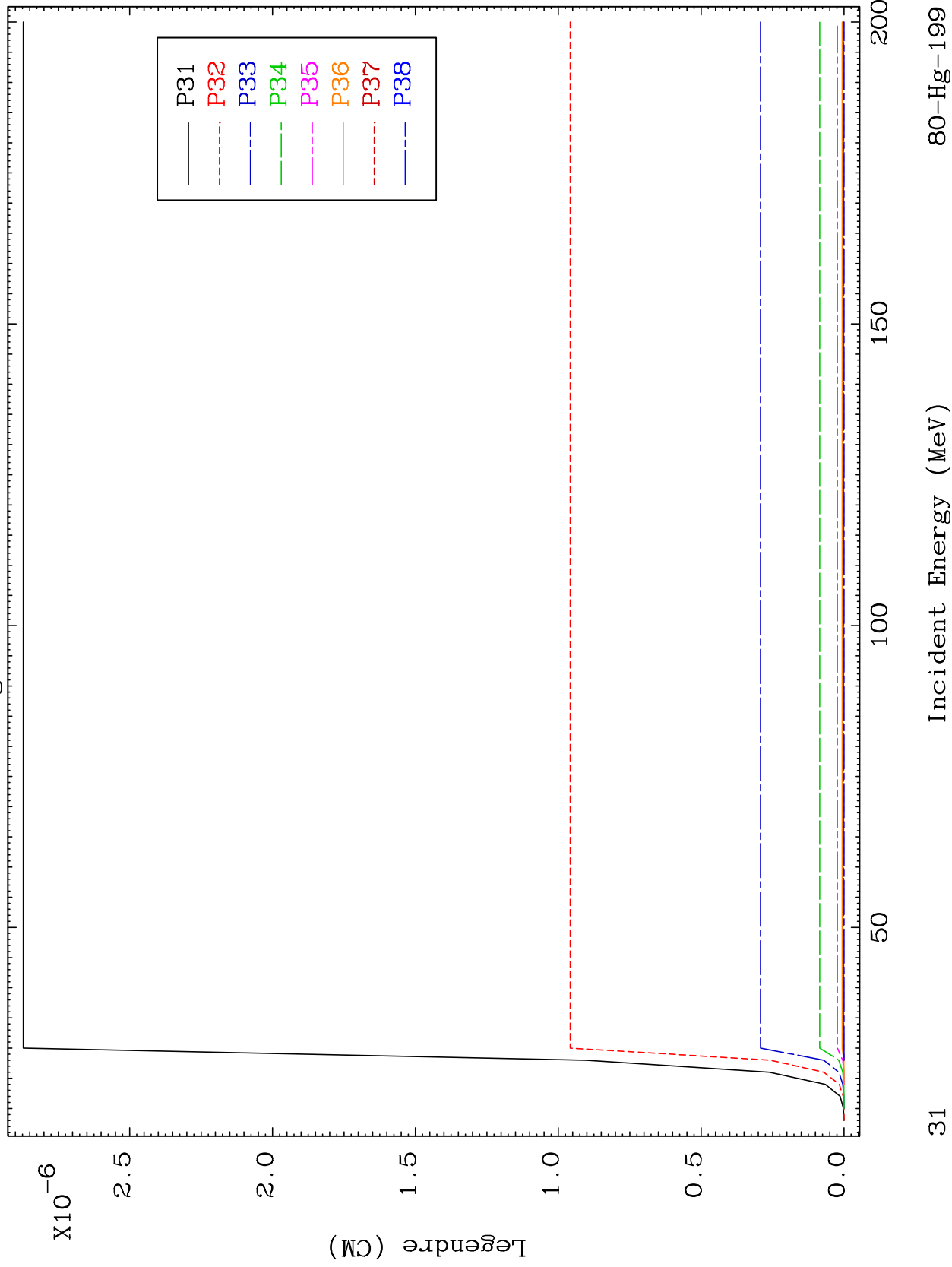
80-Hg-199



30

Incident Energy (MeV)

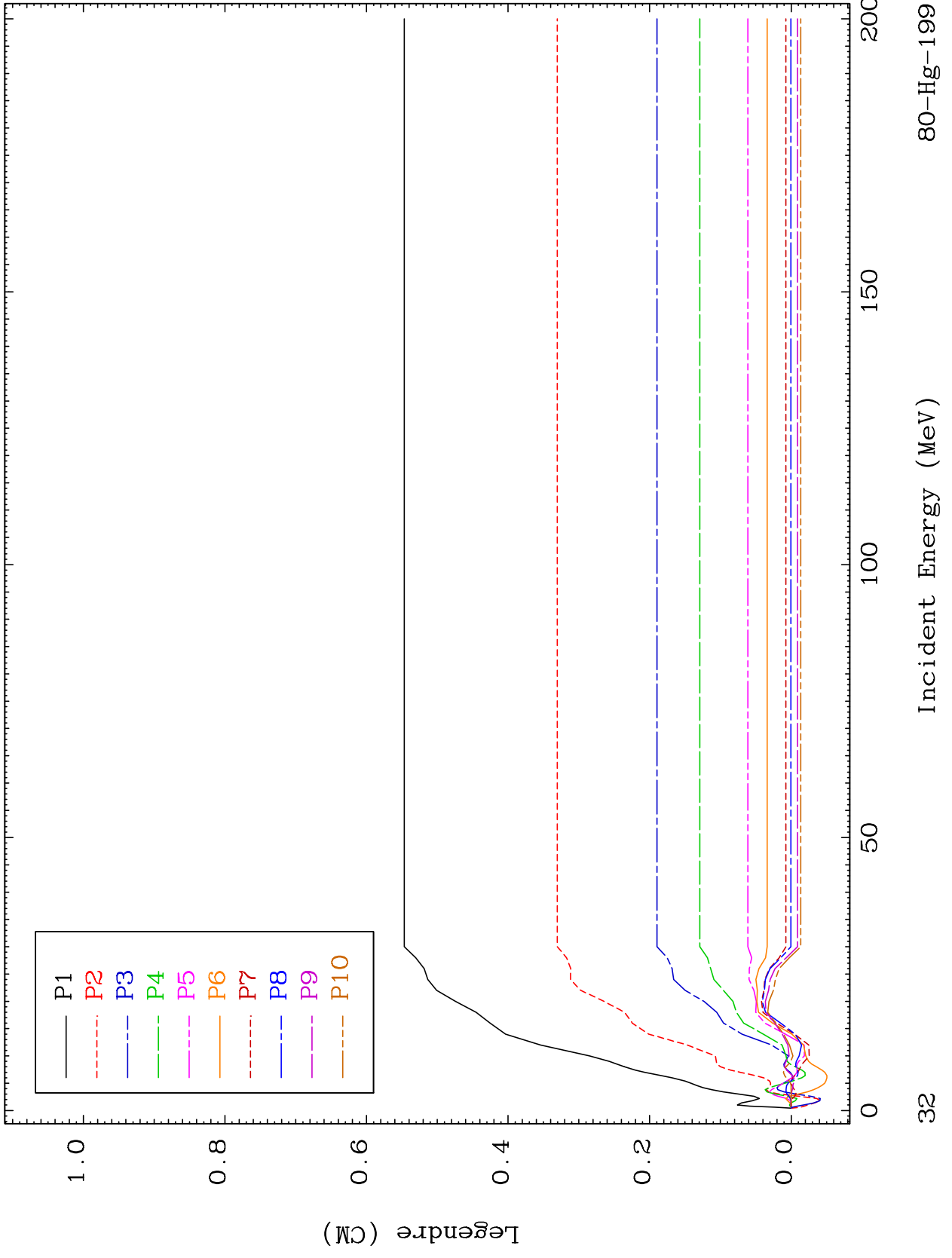
80-Hg-199



MAT 8034

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

80-Hg-199

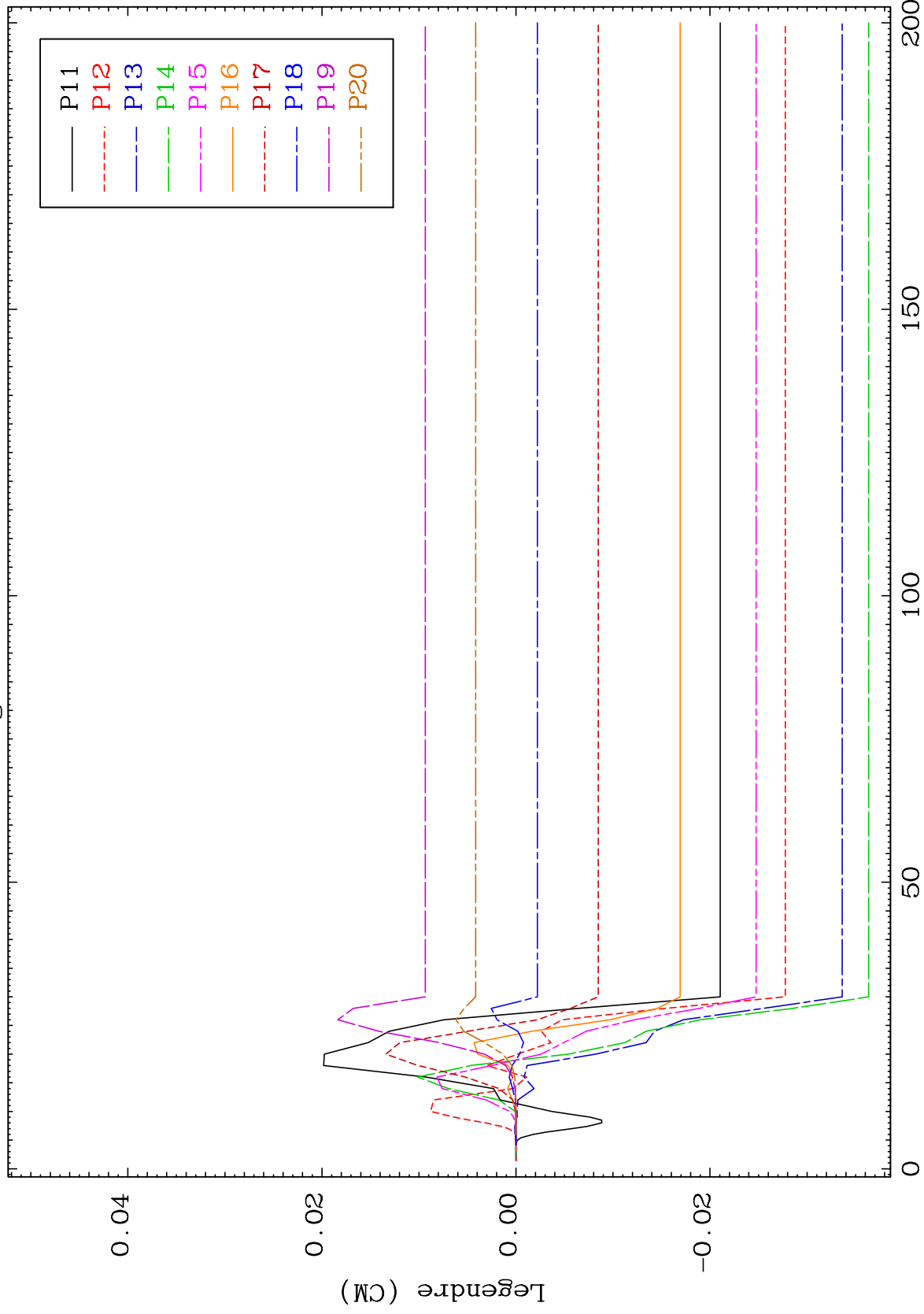


32

MAT 8034

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

80-Hg-199



33

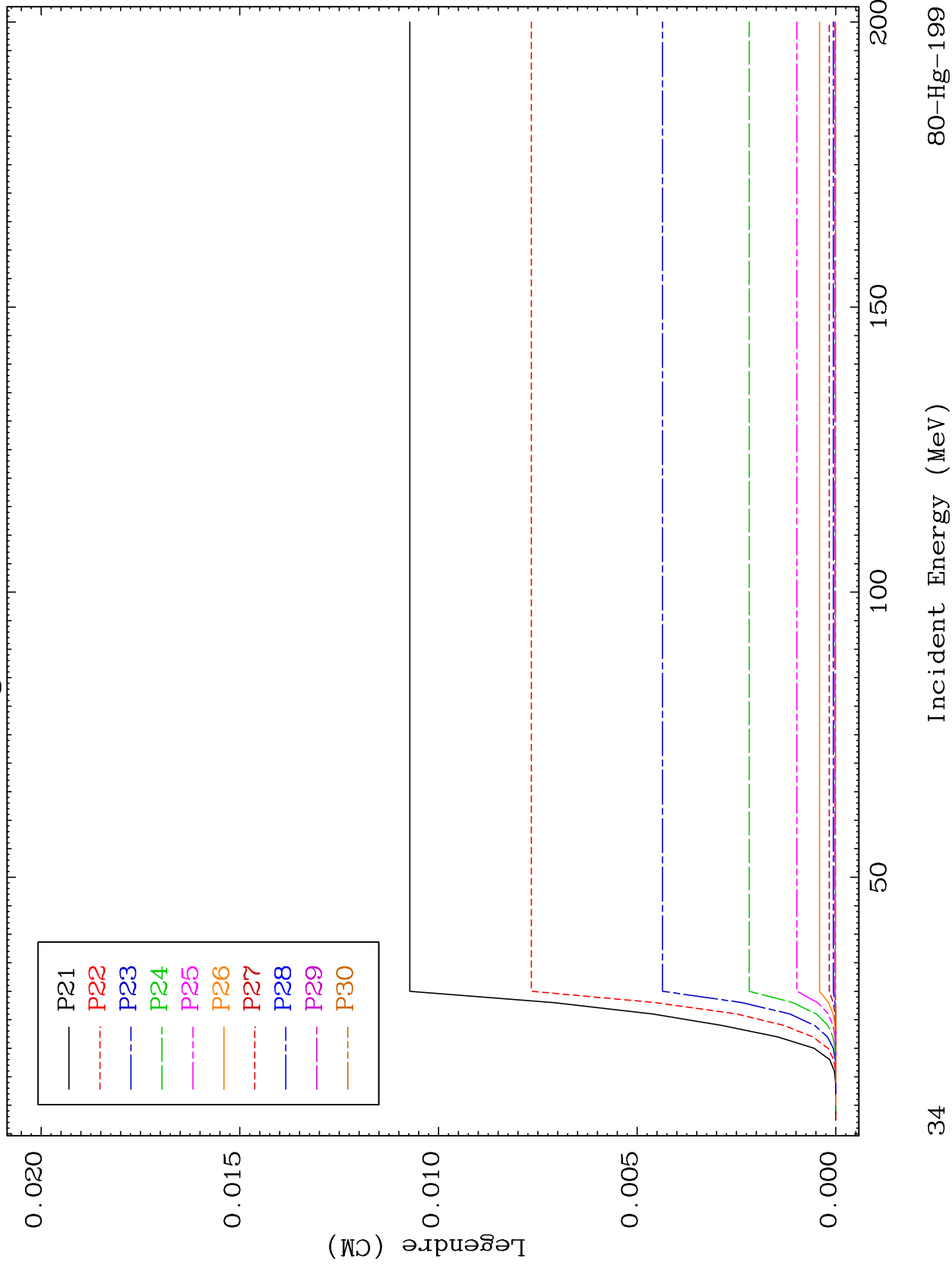
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



34

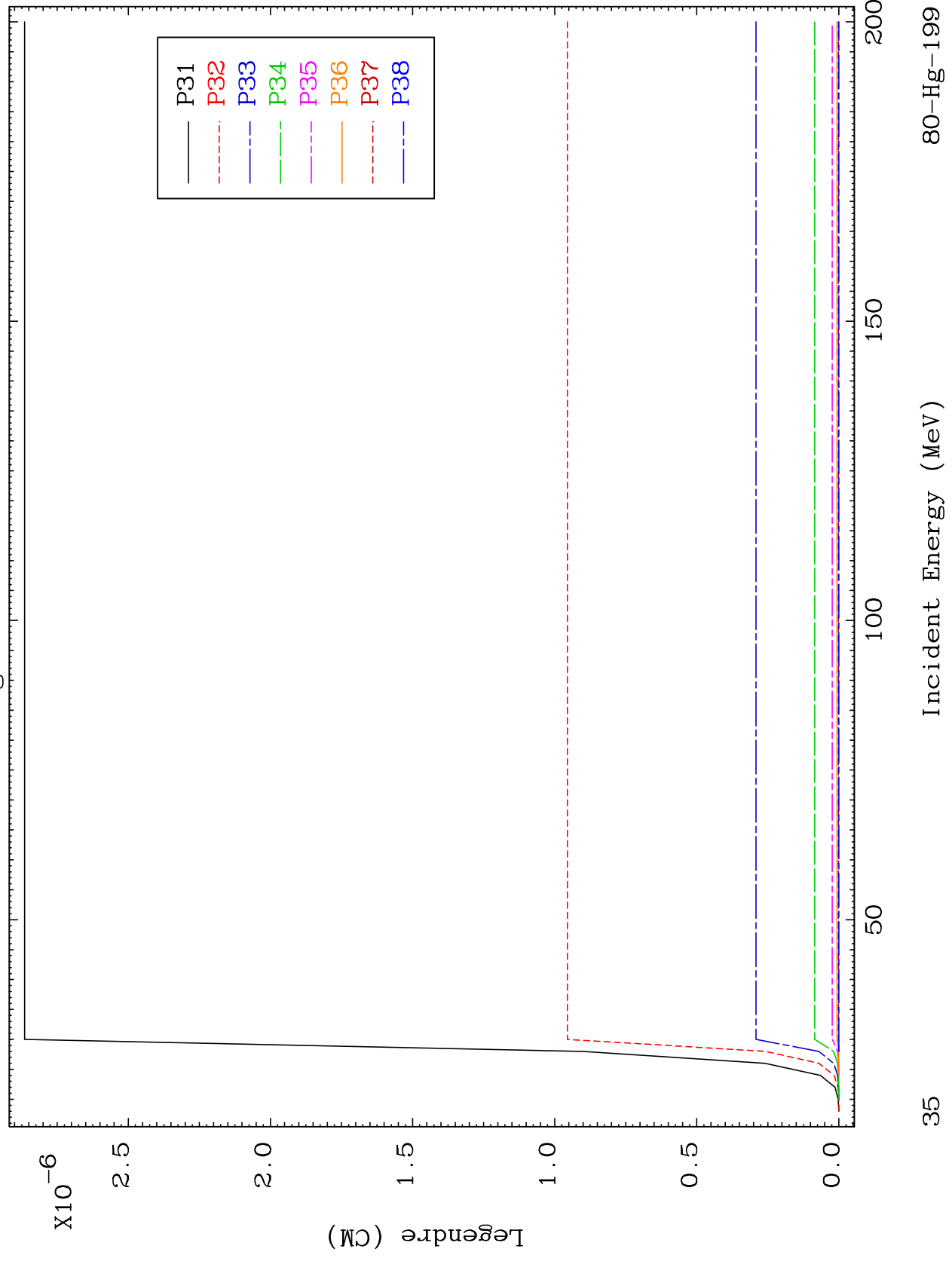
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



35

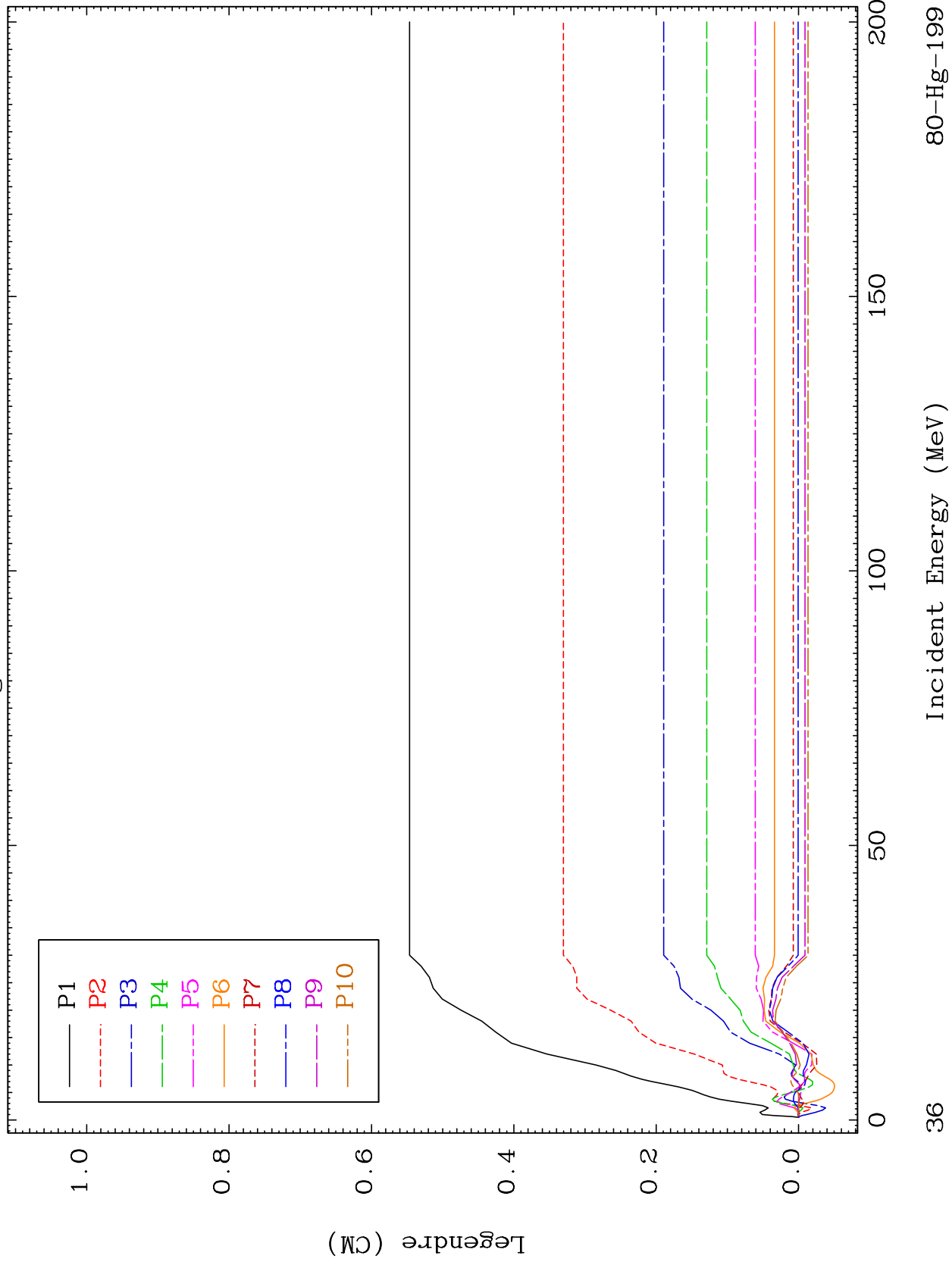
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

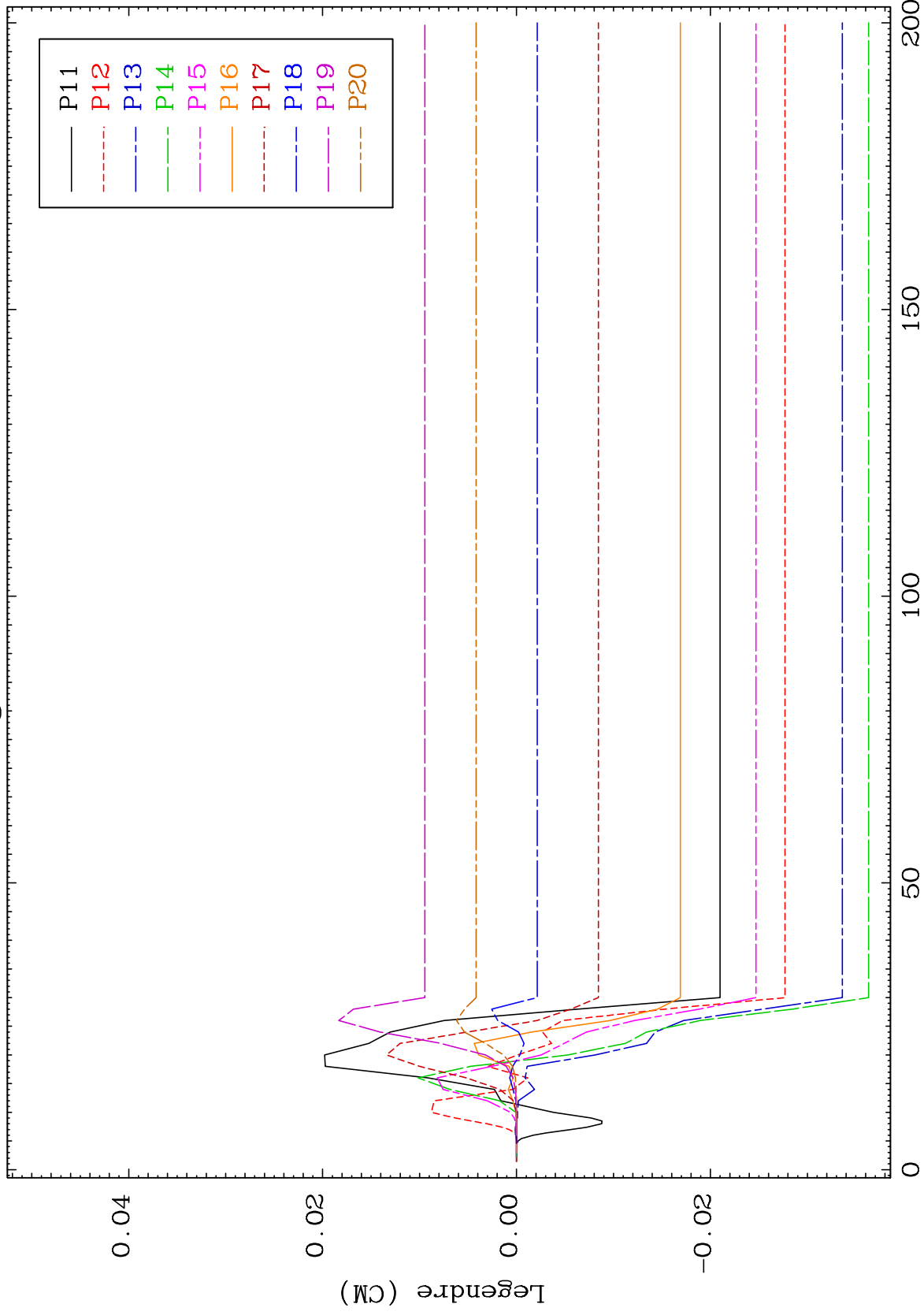
80-Hg-199



MAT 8034

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

80-Hg-199



37

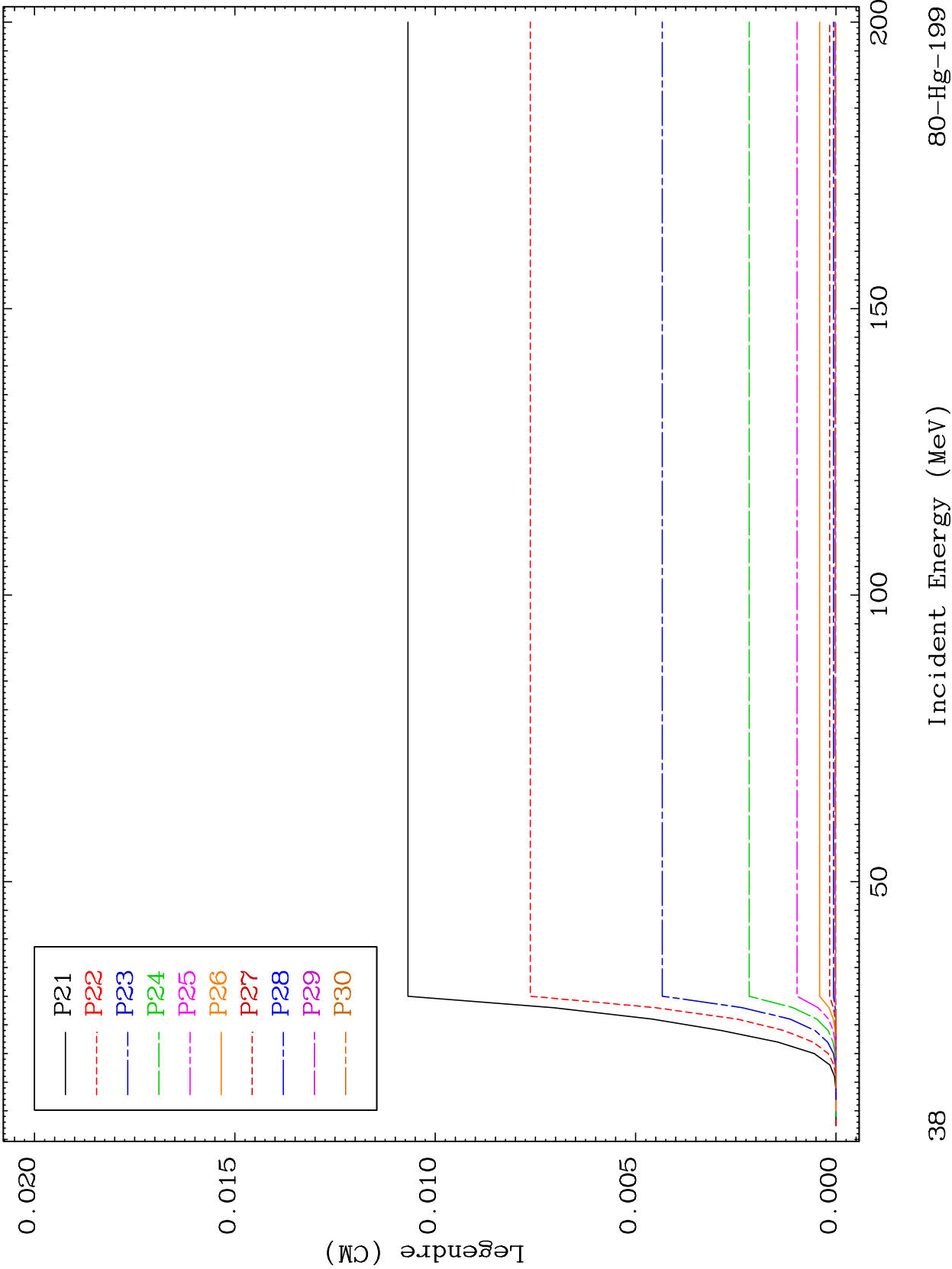
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



38

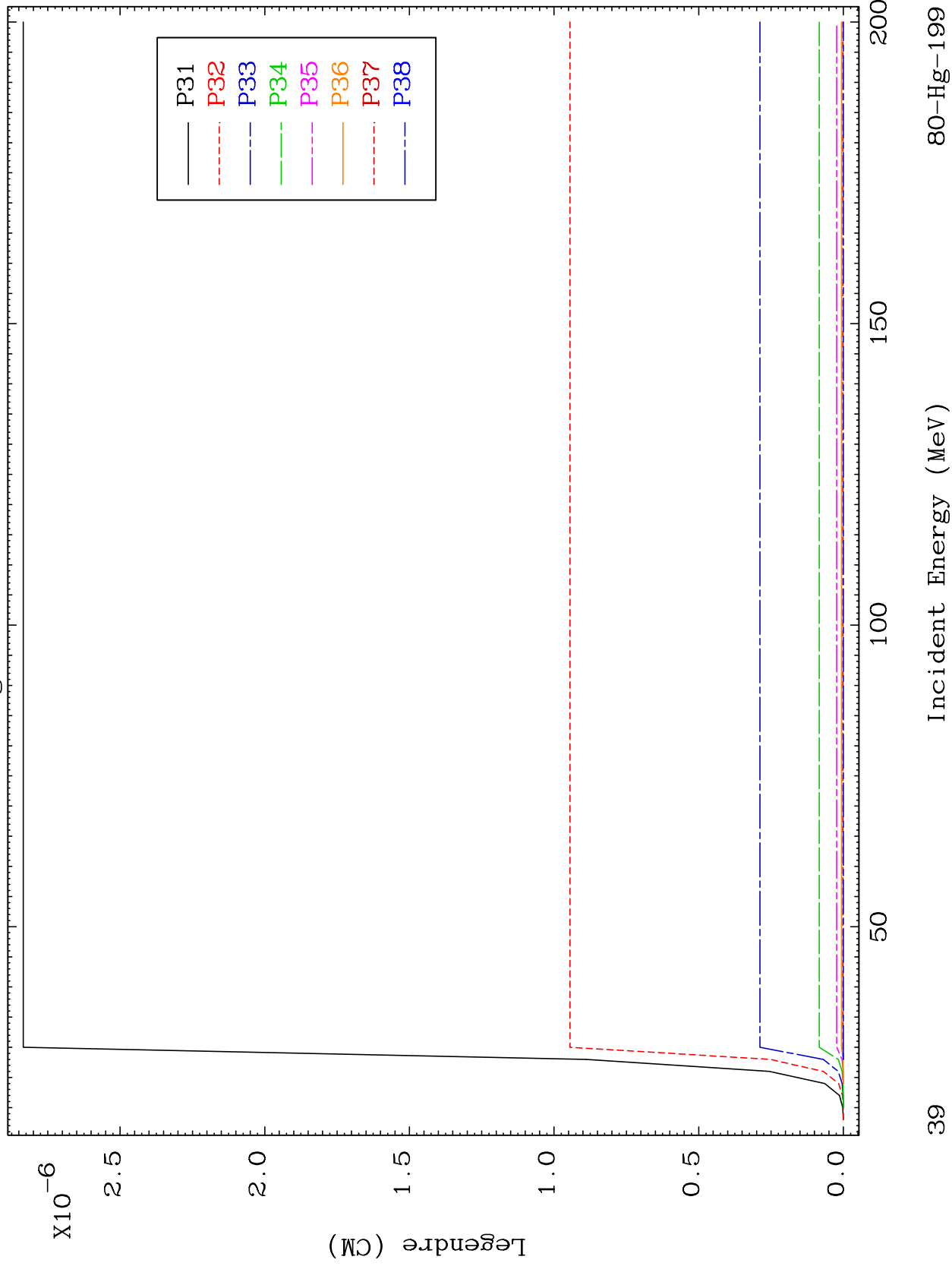
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199

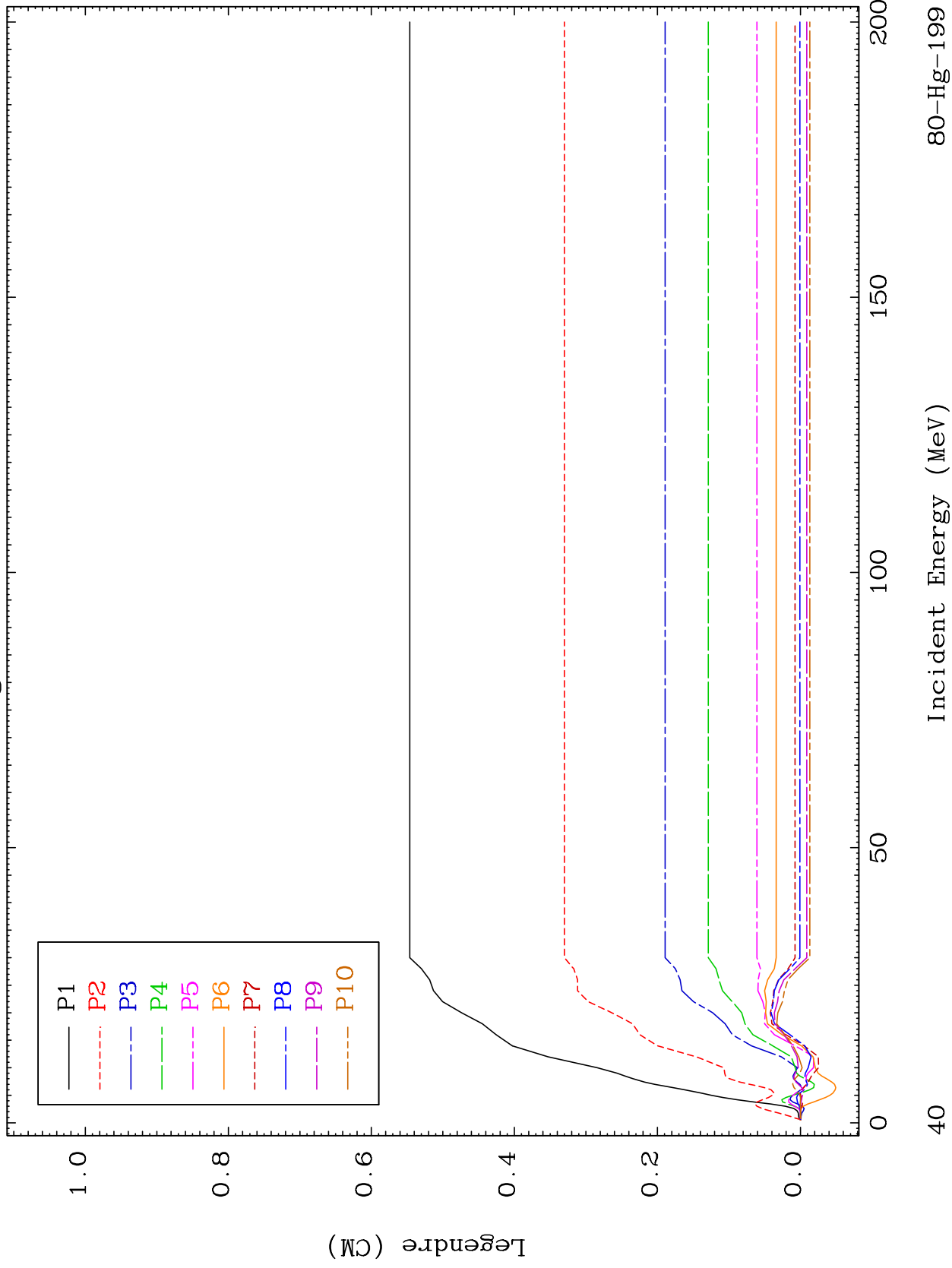


39

MAT 8034

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

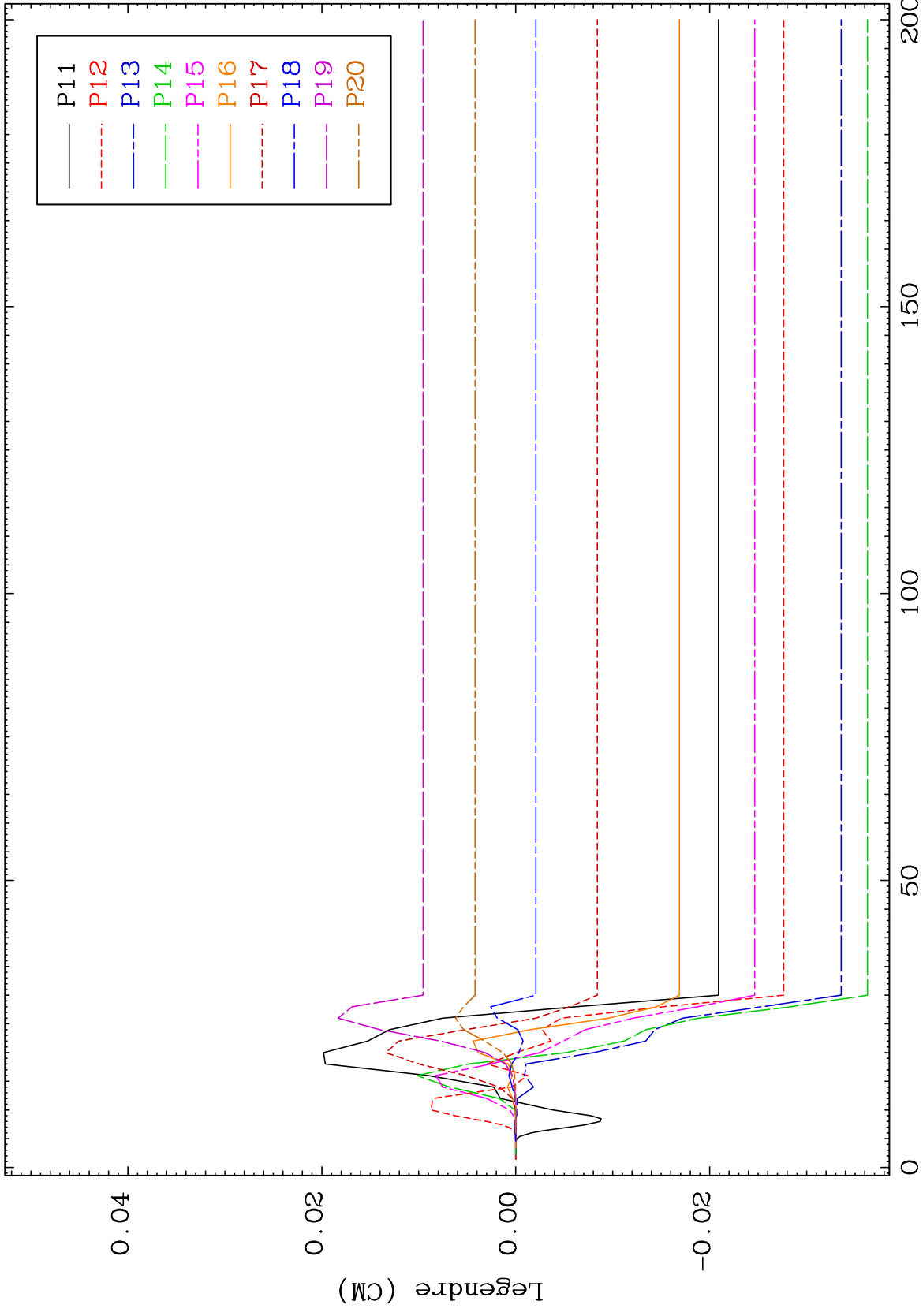
80-Hg-199



MAT 8034

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

80-Hg-199



41

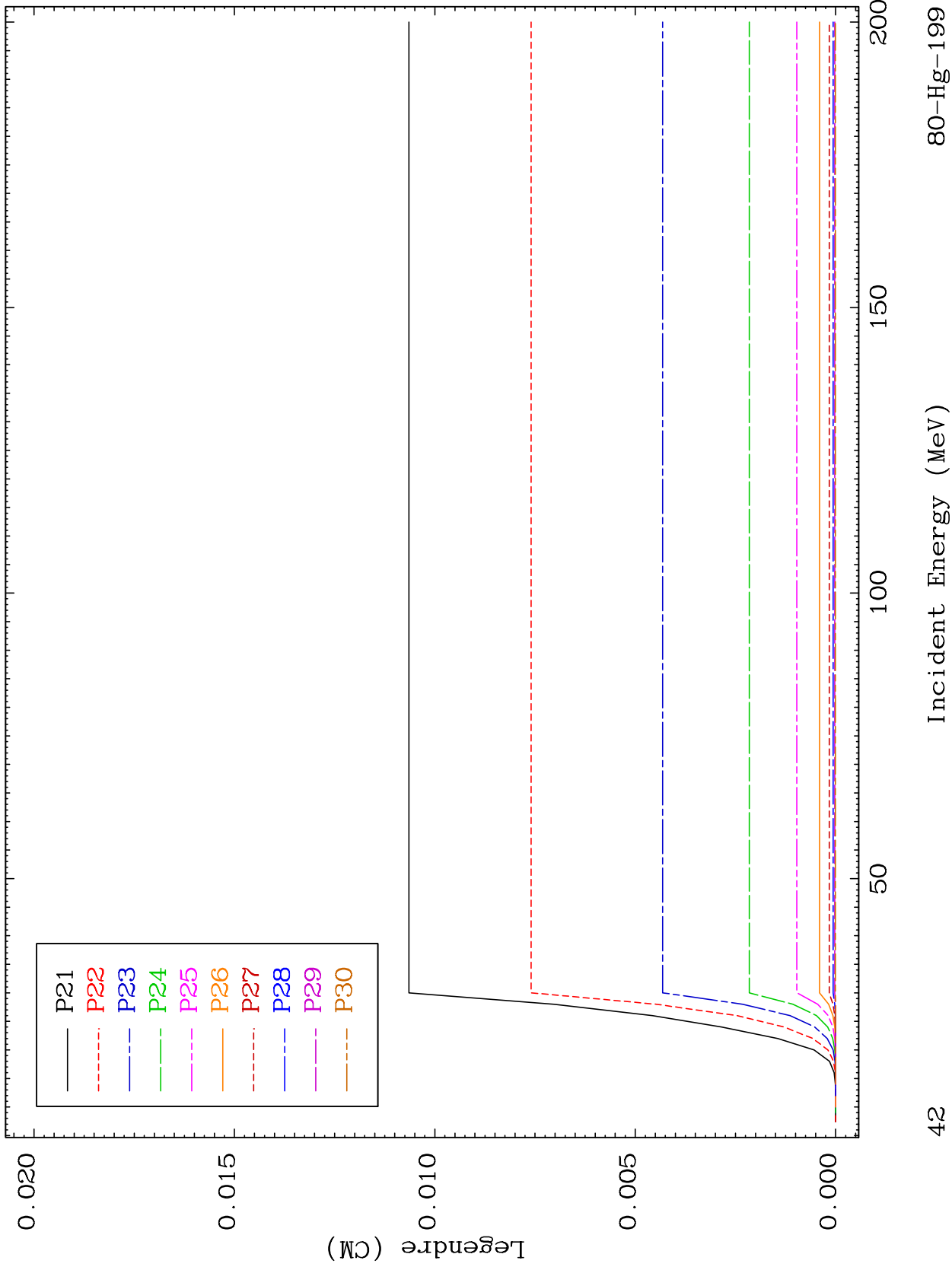
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



42

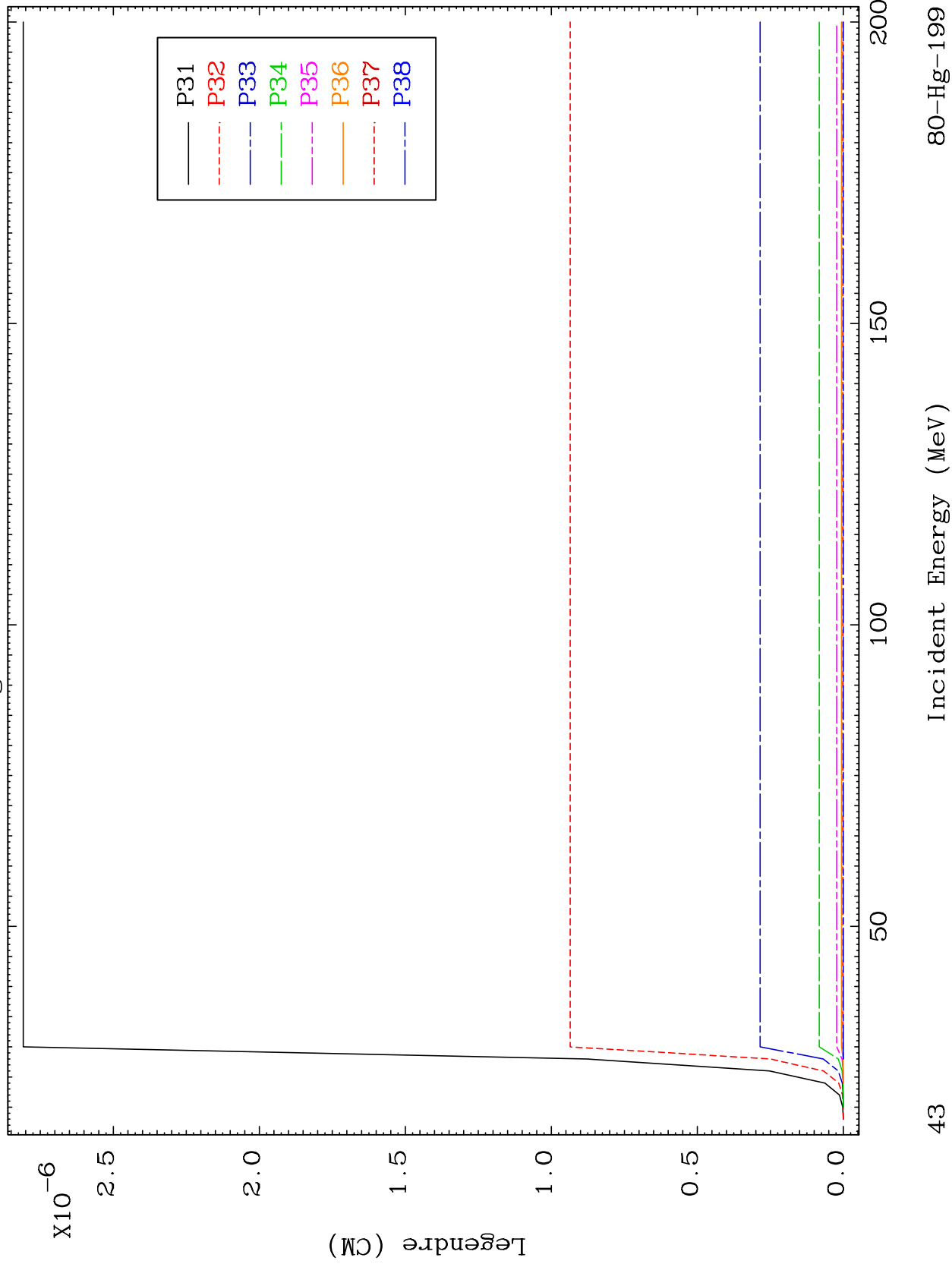
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



43

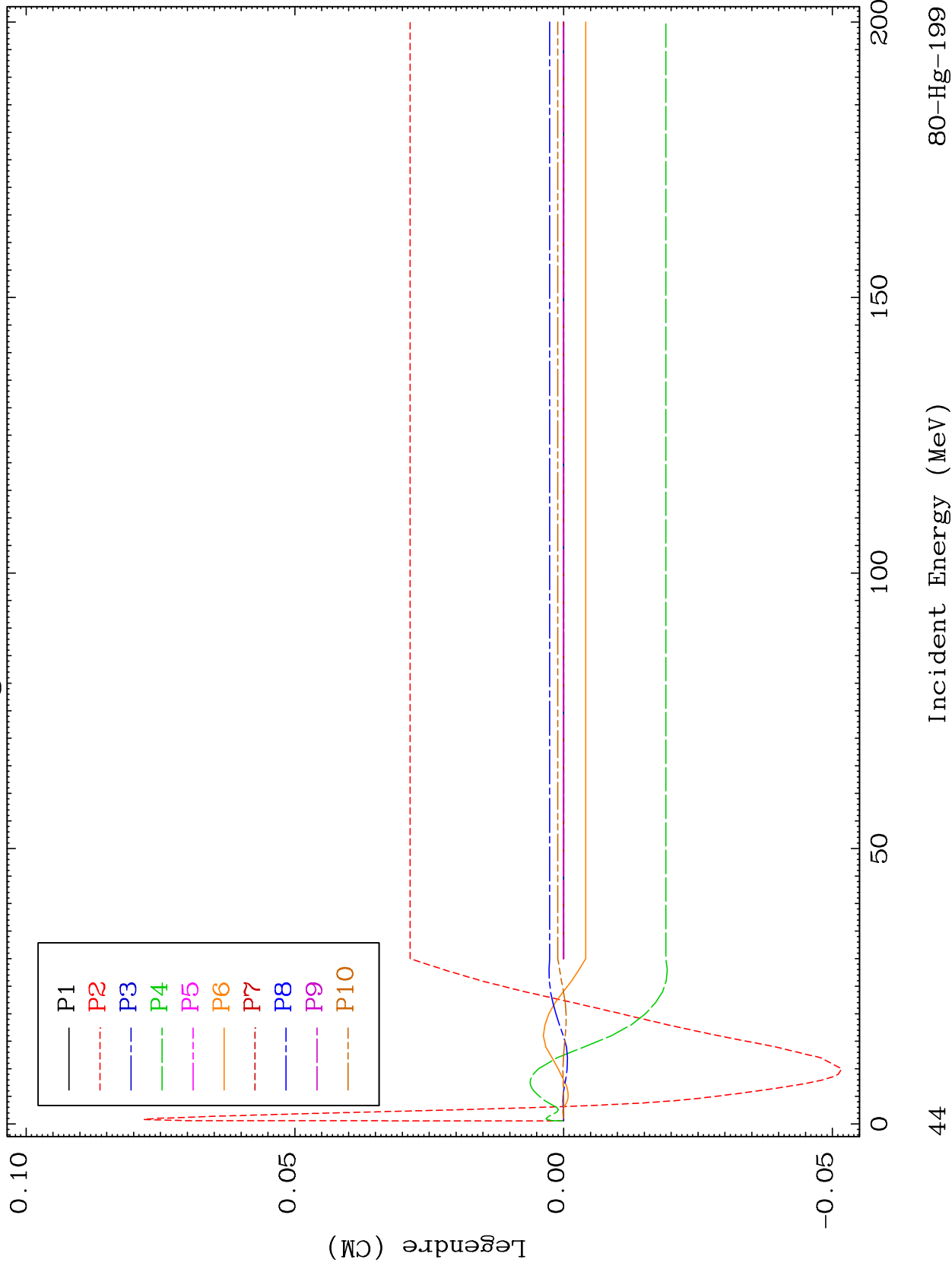
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



80-Hg-199

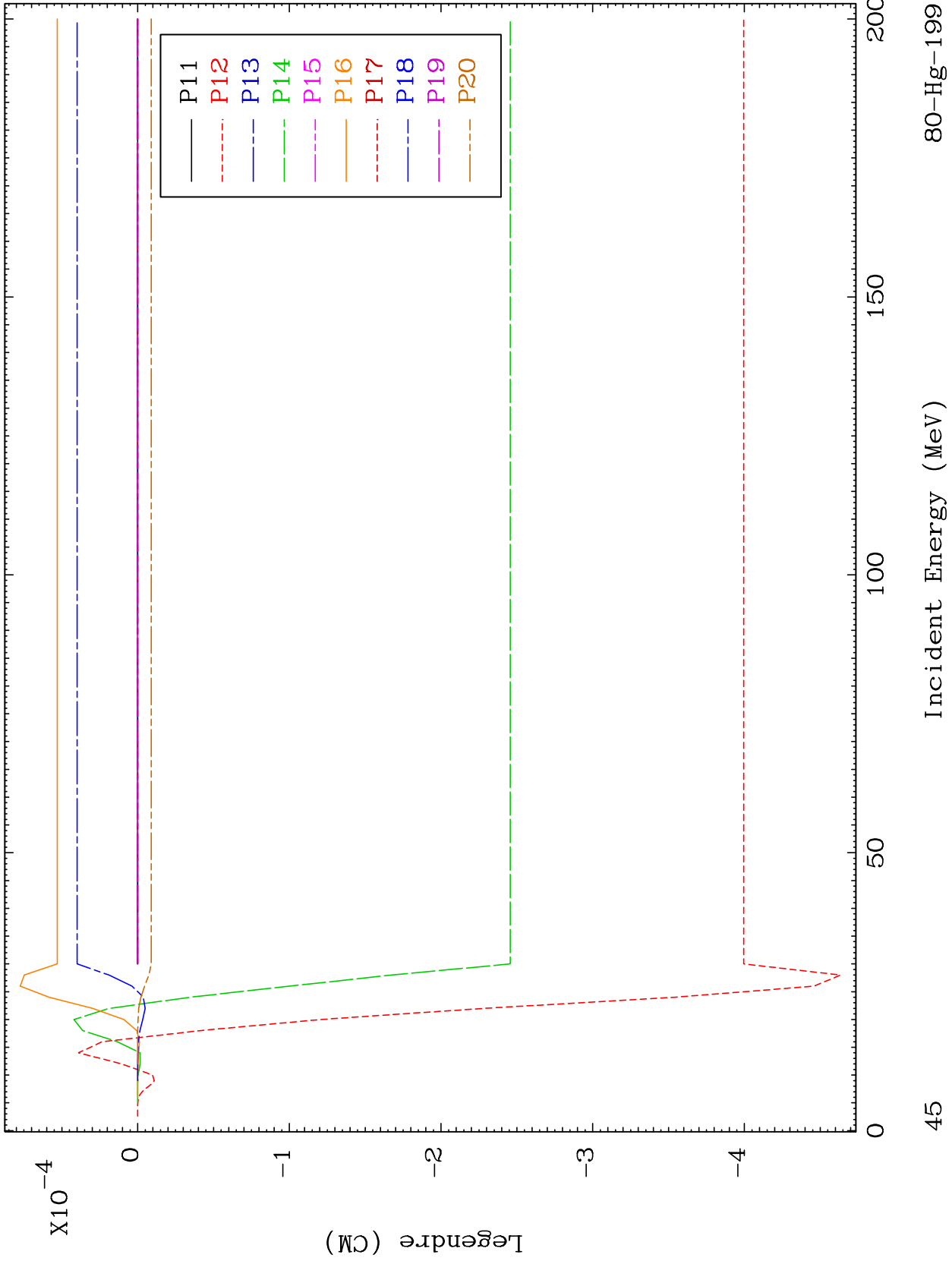
Incident Energy (MeV)

44

MAT 8034

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

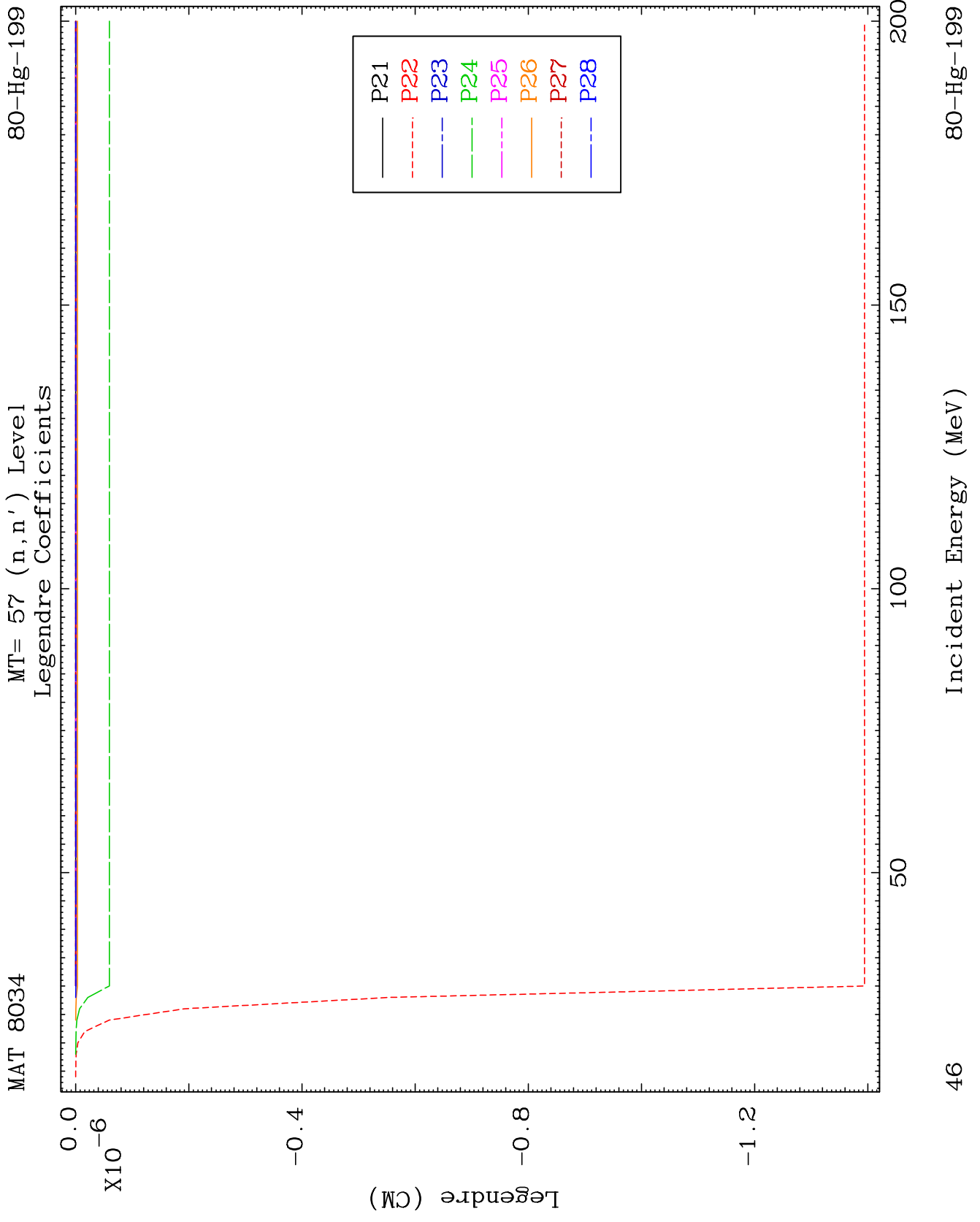
80-Hg-199



80-Hg-199

Incident Energy (MeV)

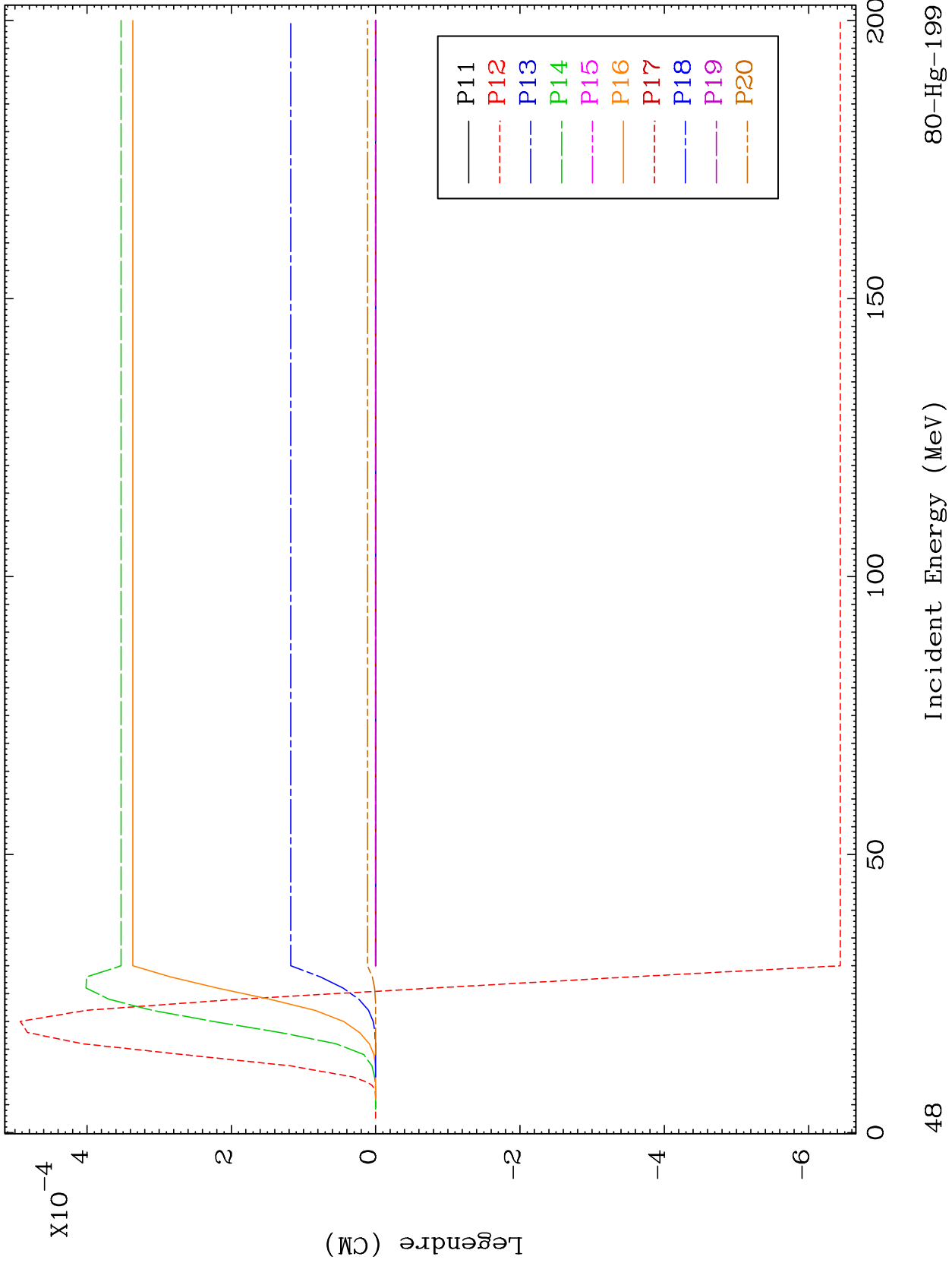
45



MAT 8034

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

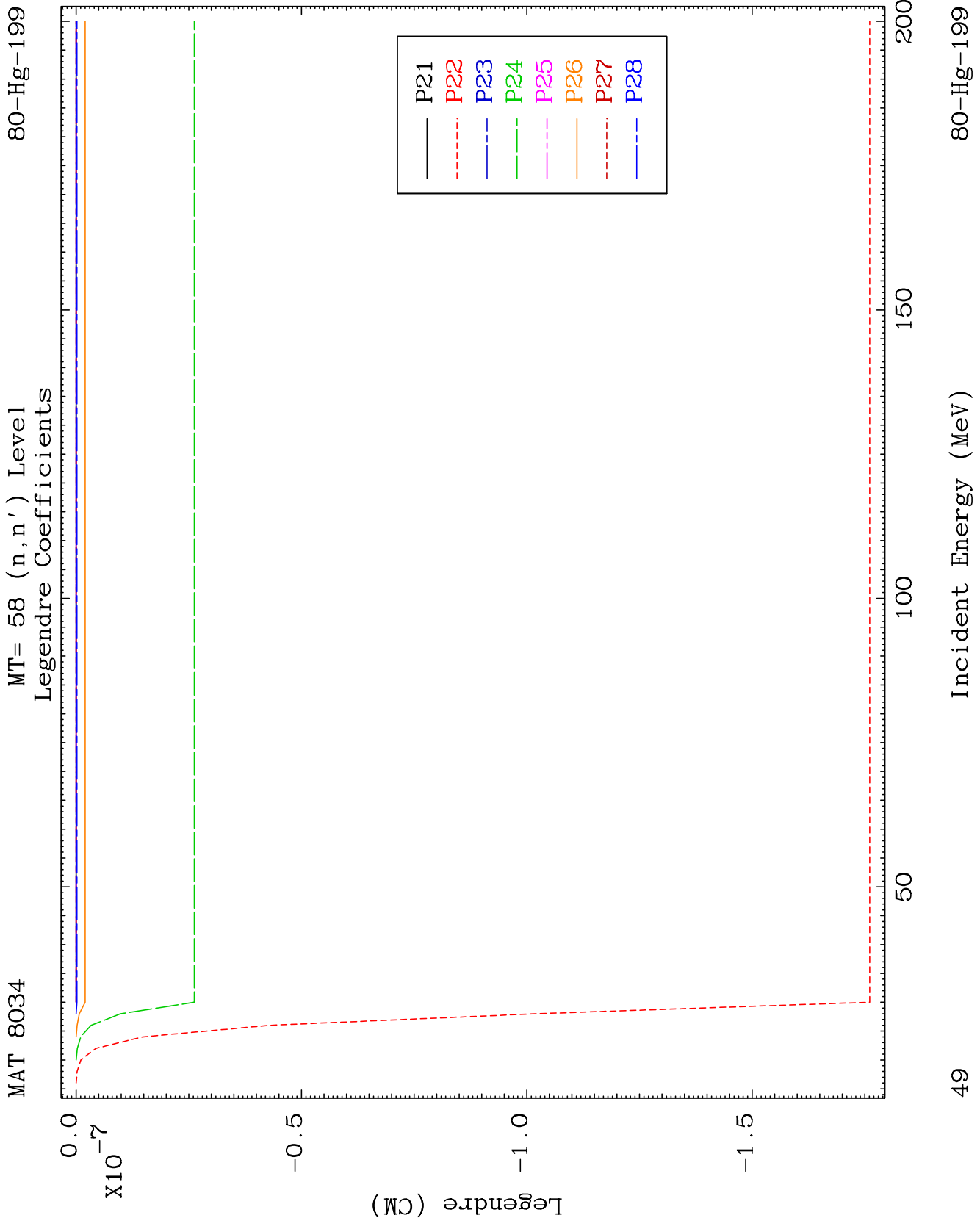
80-Hg-199

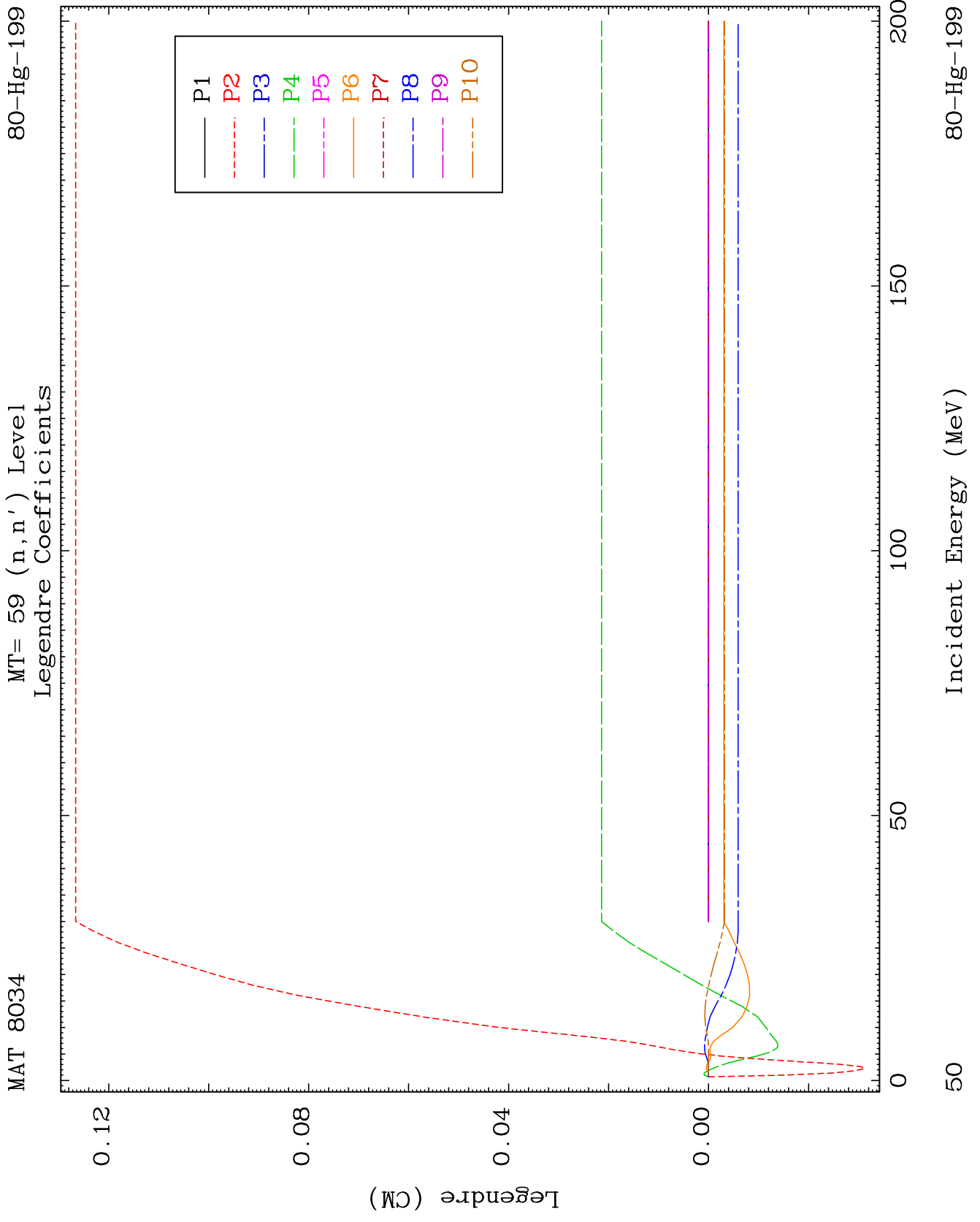


48

Incident Energy (MeV)

80-Hg-199

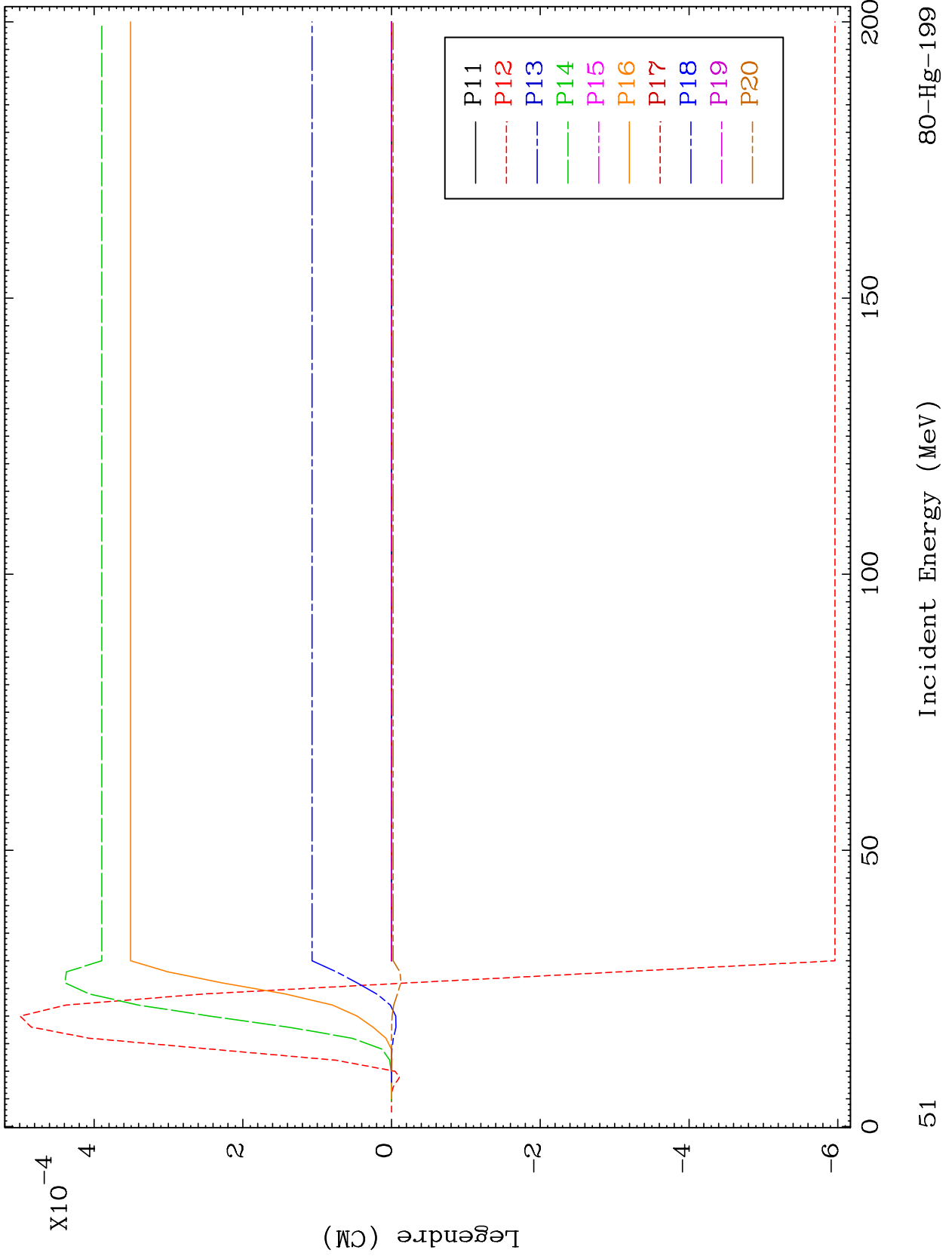




MAT 8034

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

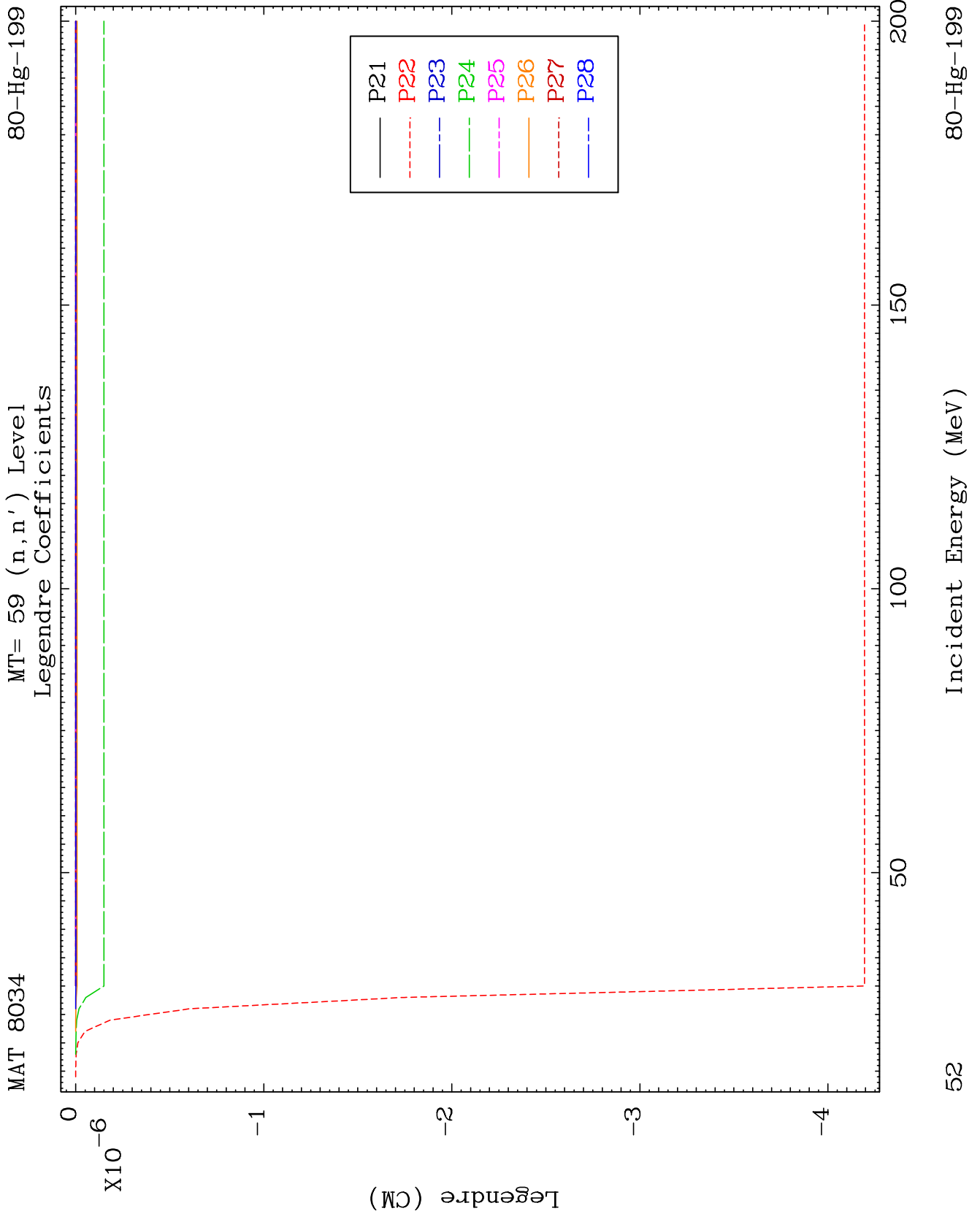
80-Hg-199



51

Incident Energy (MeV)

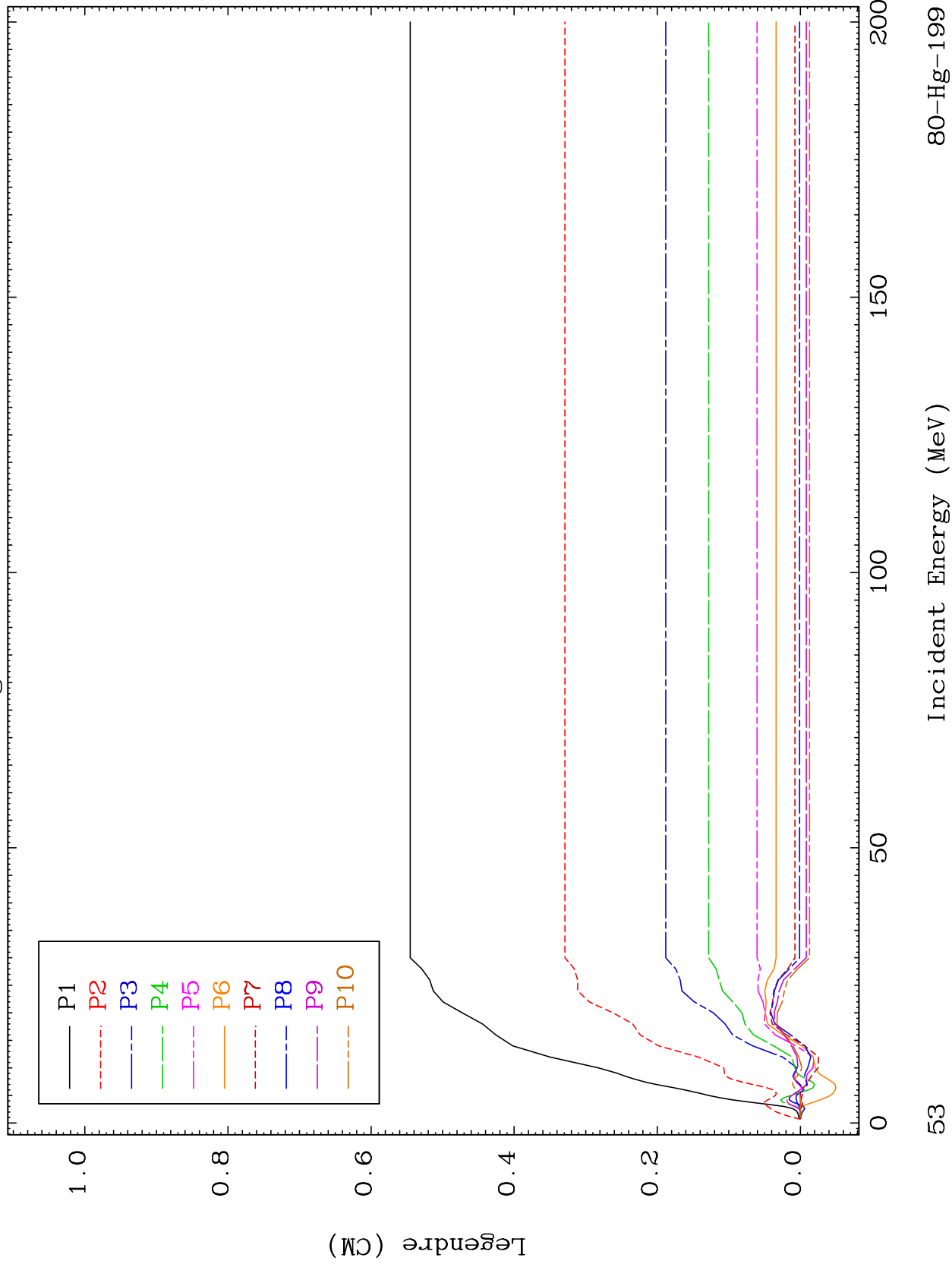
80-Hg-199



MAT 8034

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

80-Hg-199

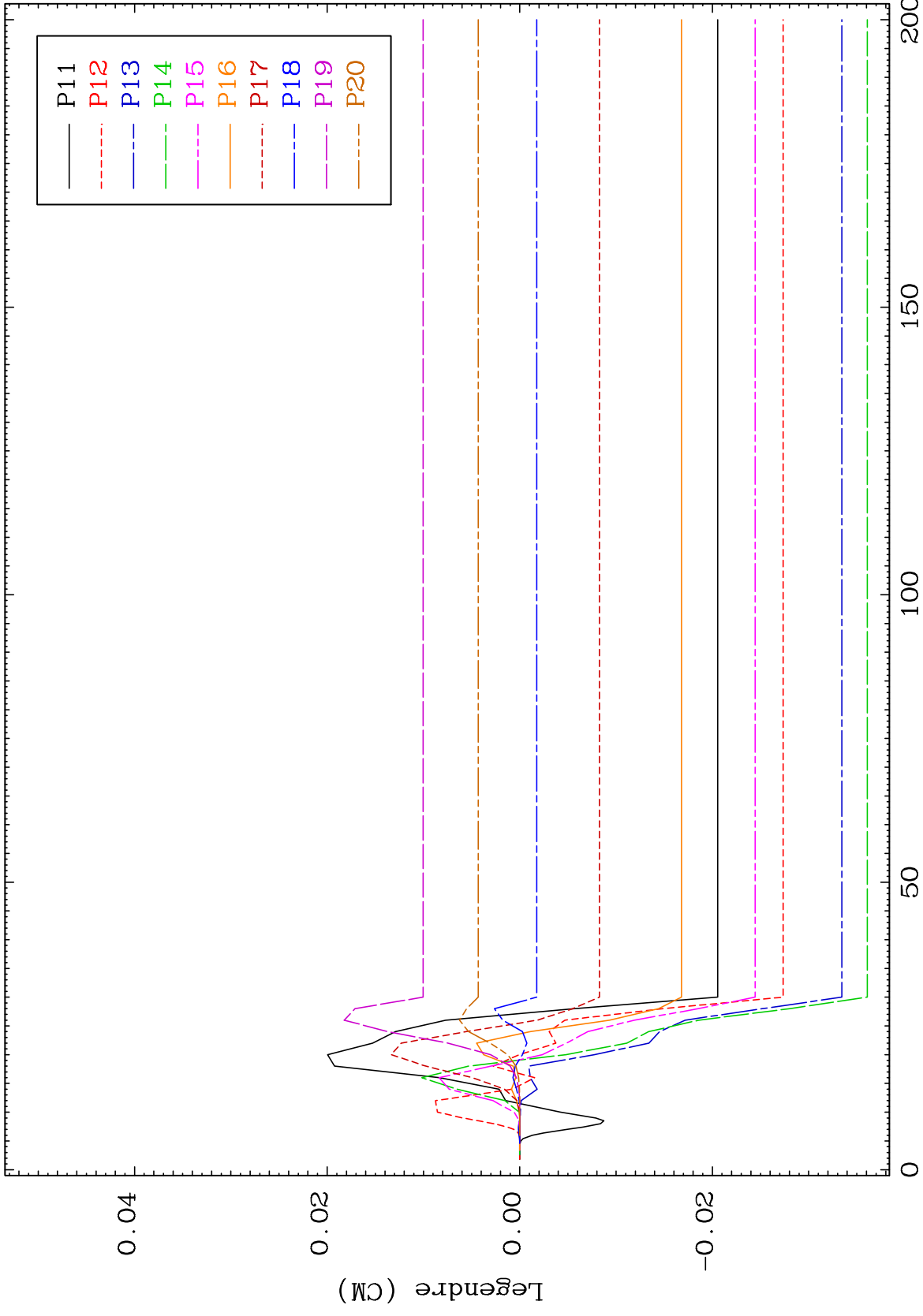


53

MAT 8034

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

80-Hg-199



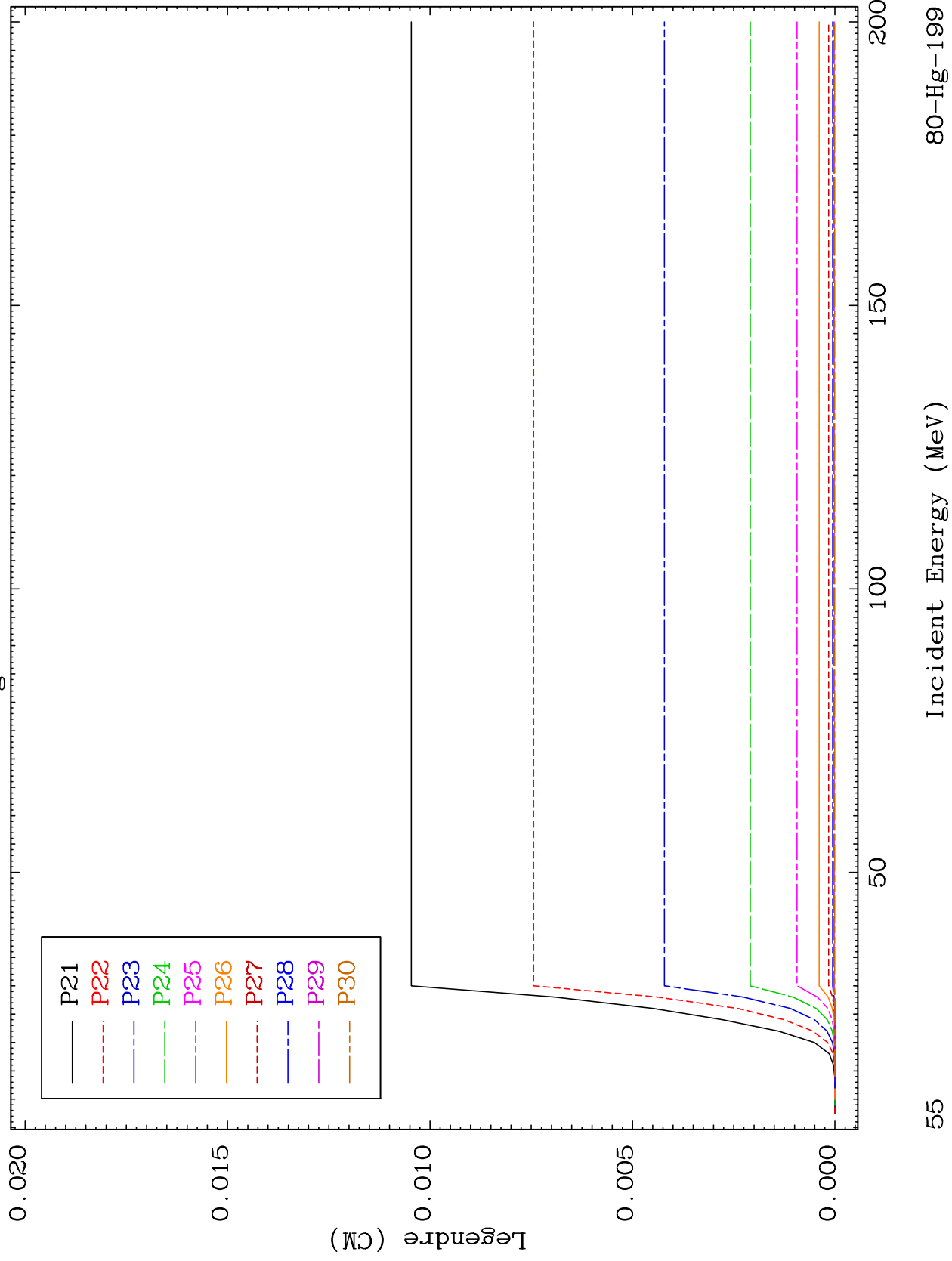
54

80-Hg-199

MAT 8034

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

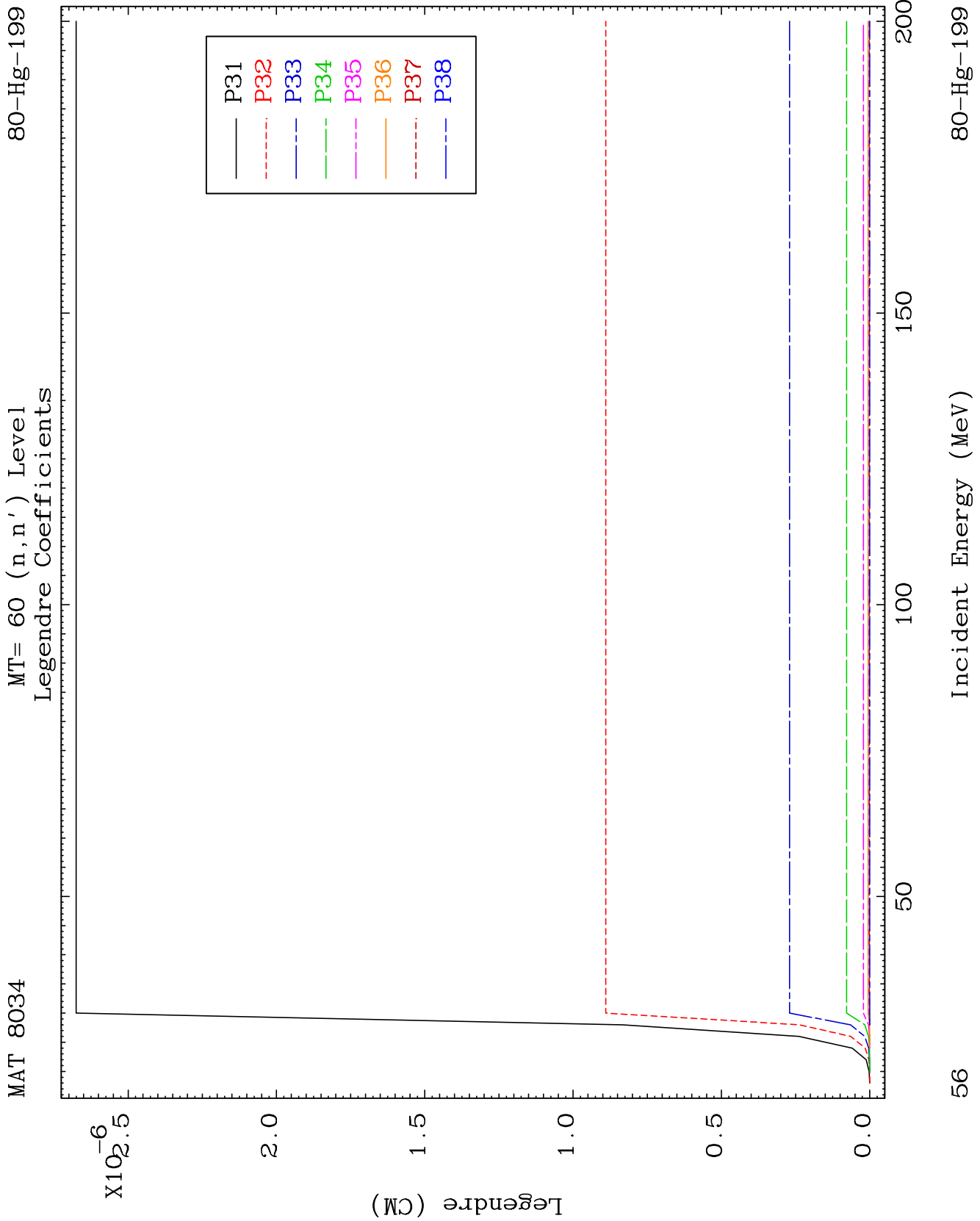
80-Hg-199

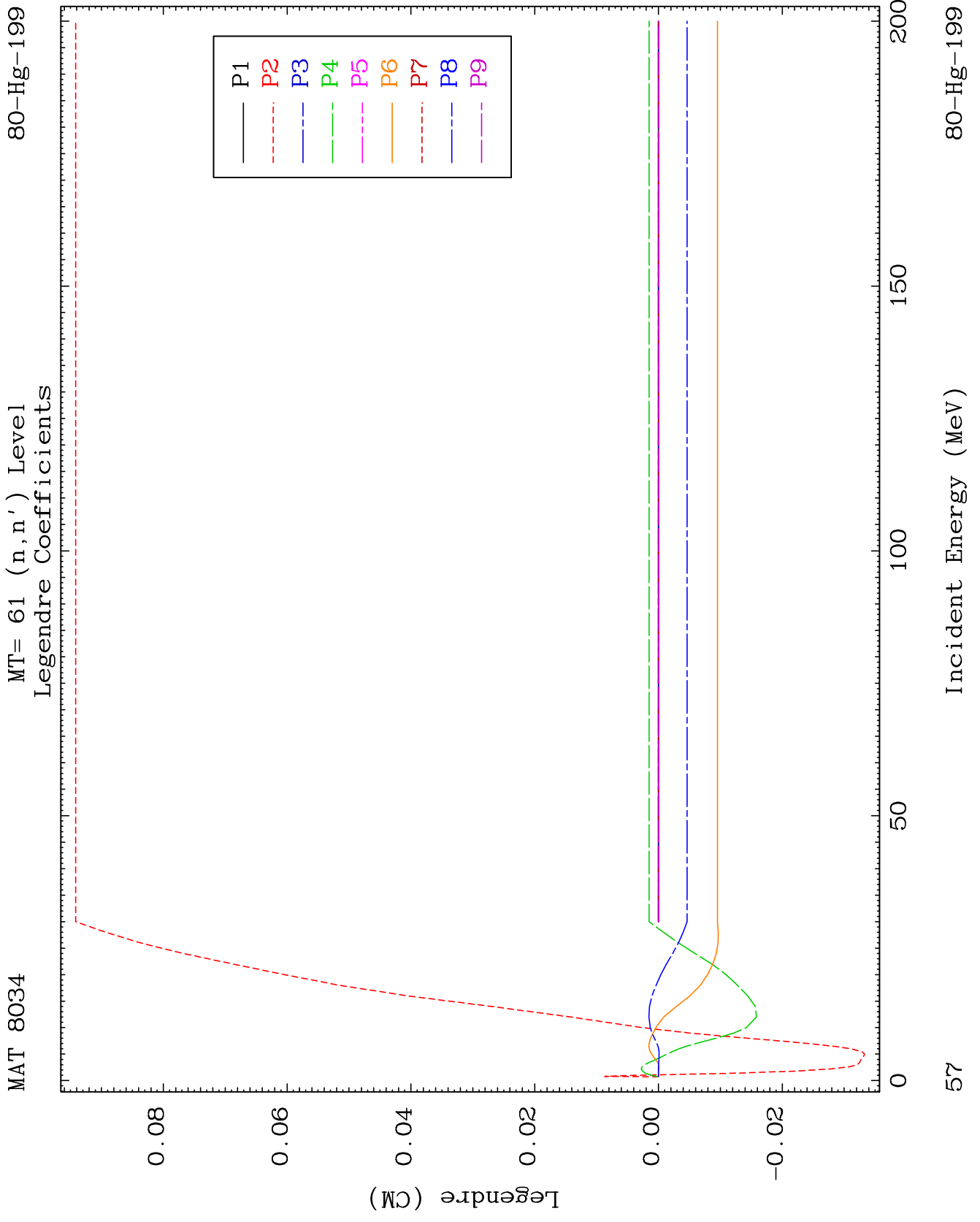


55

Incident Energy (MeV)

80-Hg-199

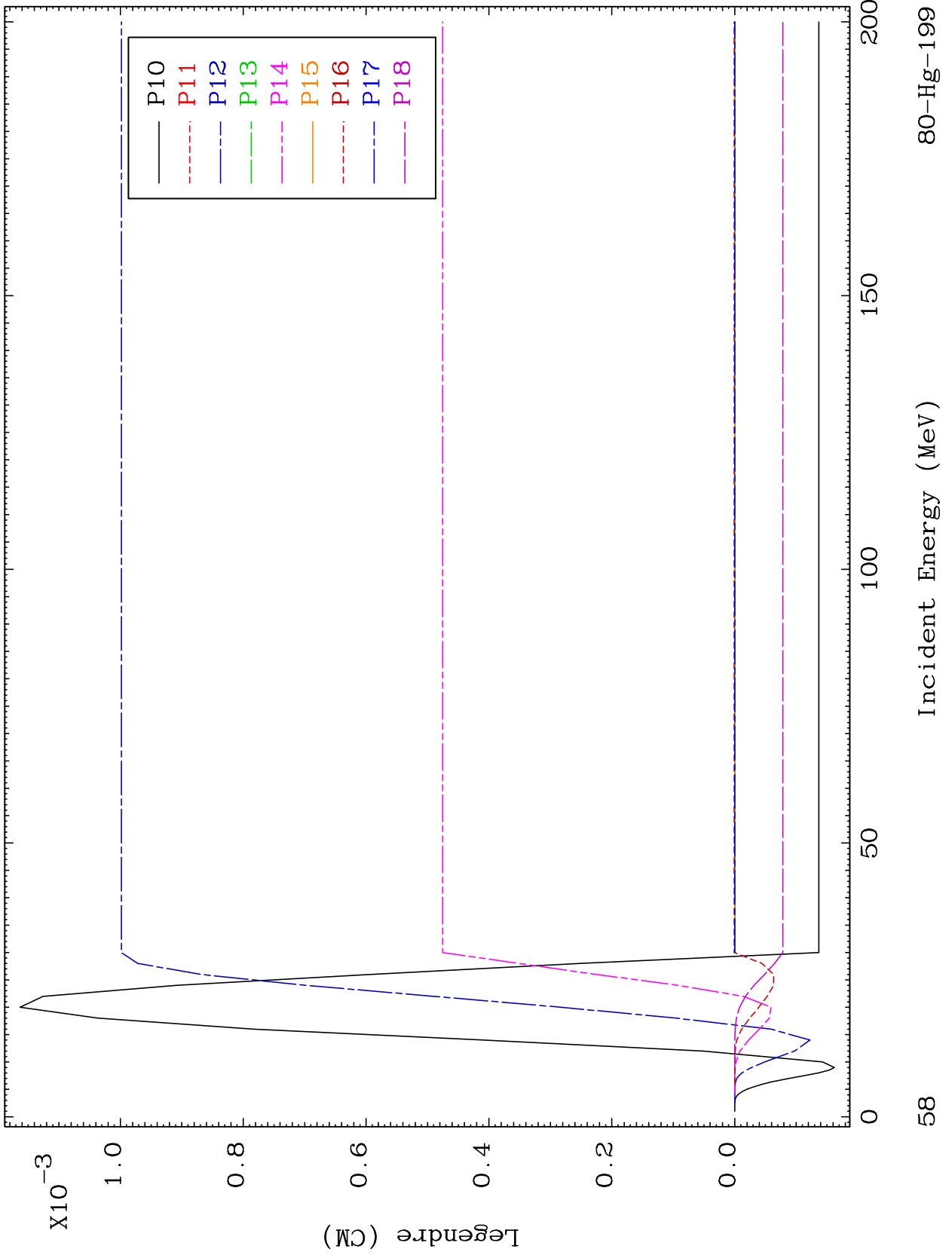


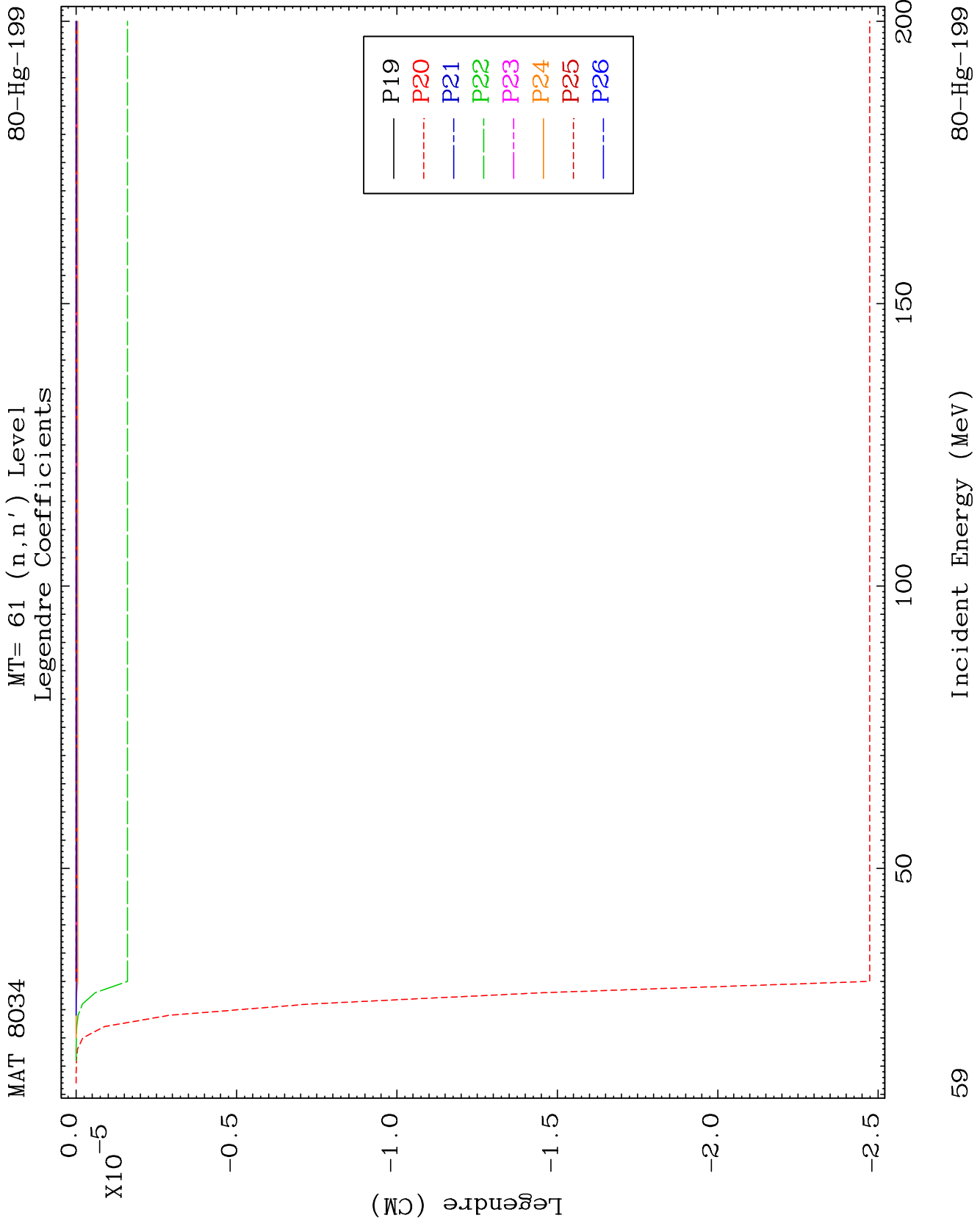


MAT 8034

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

80-Hg-199

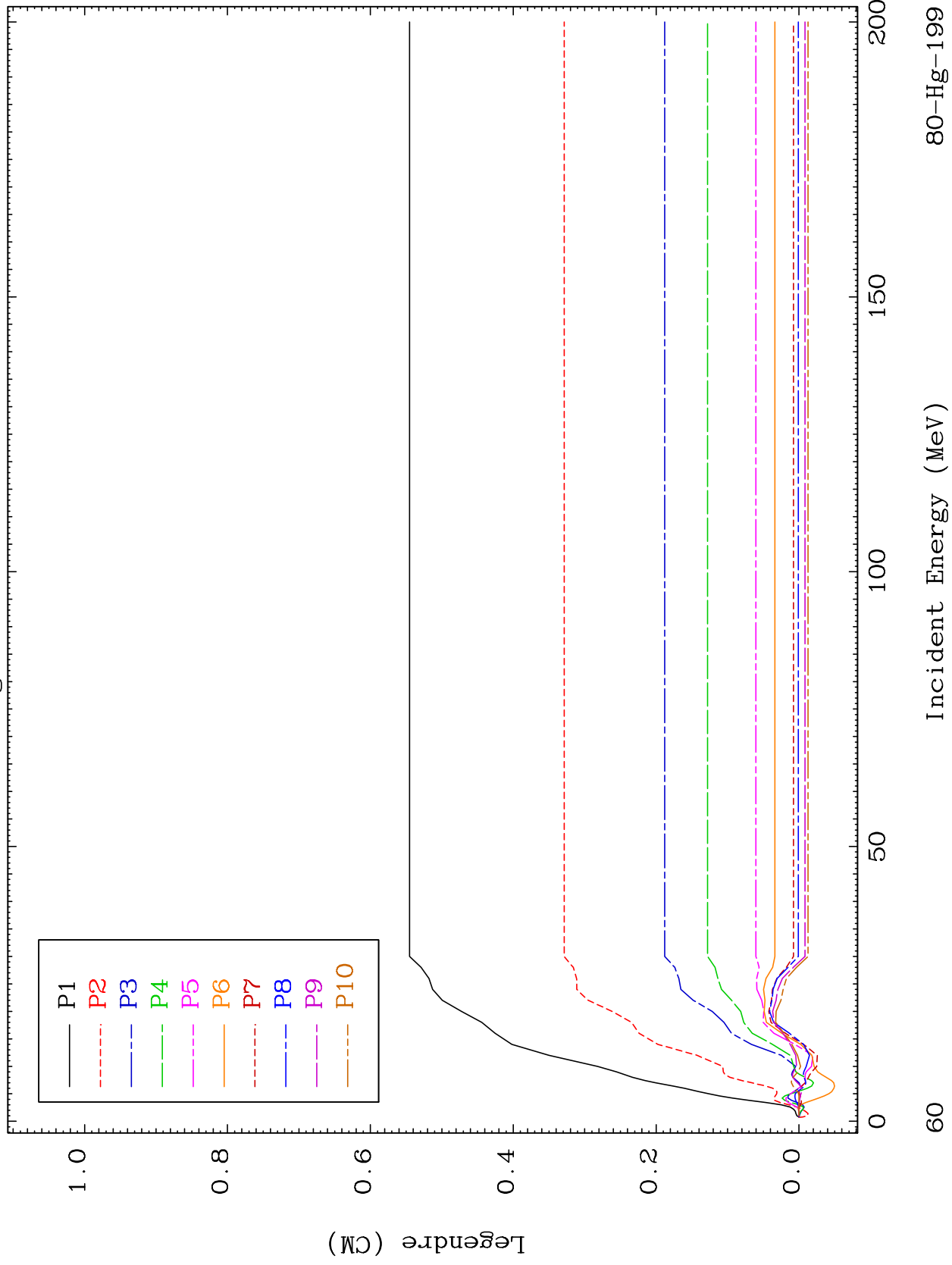




MAT 8034

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

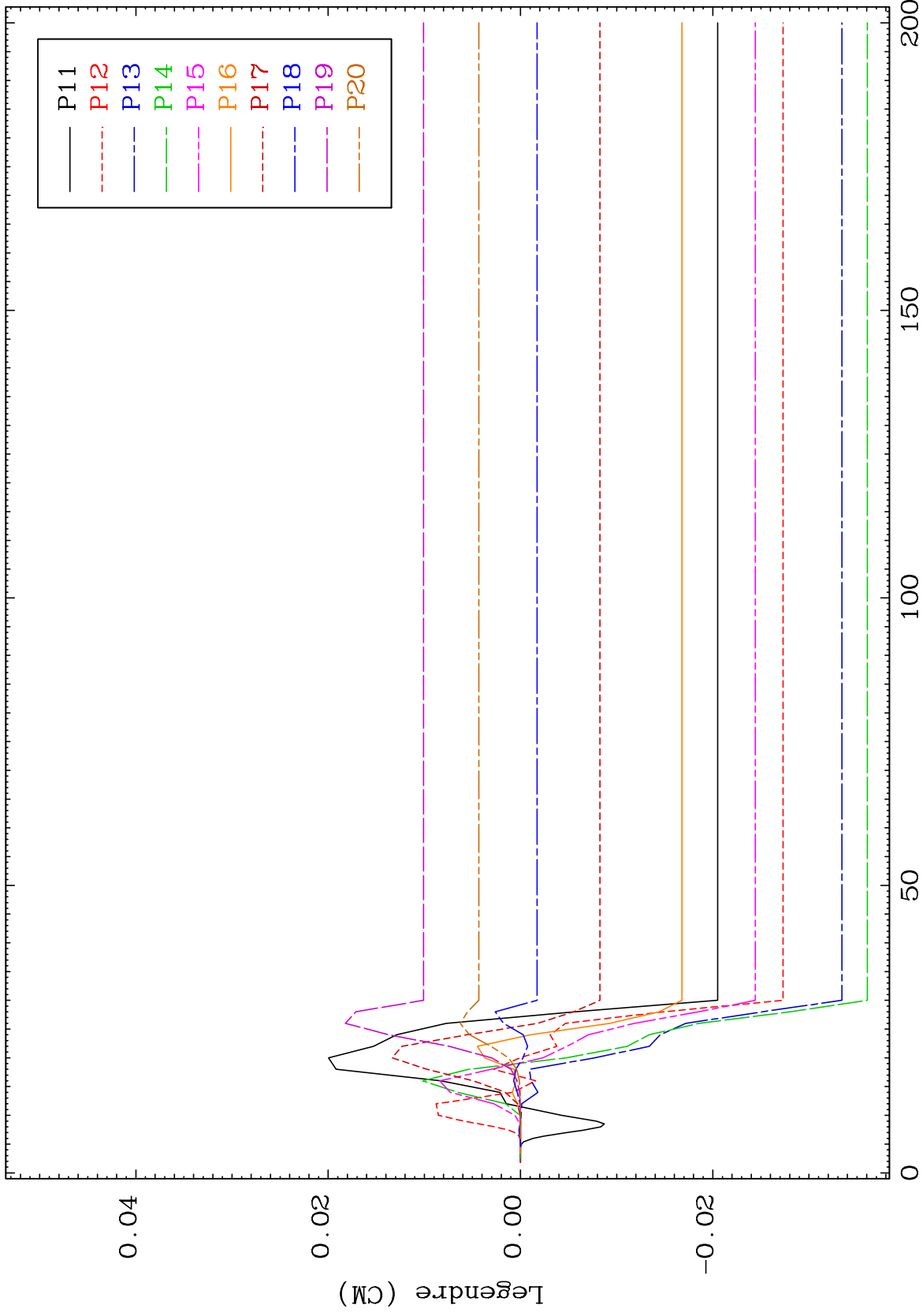
80-Hg-199



MAT 8034

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

80-Hg-199



61

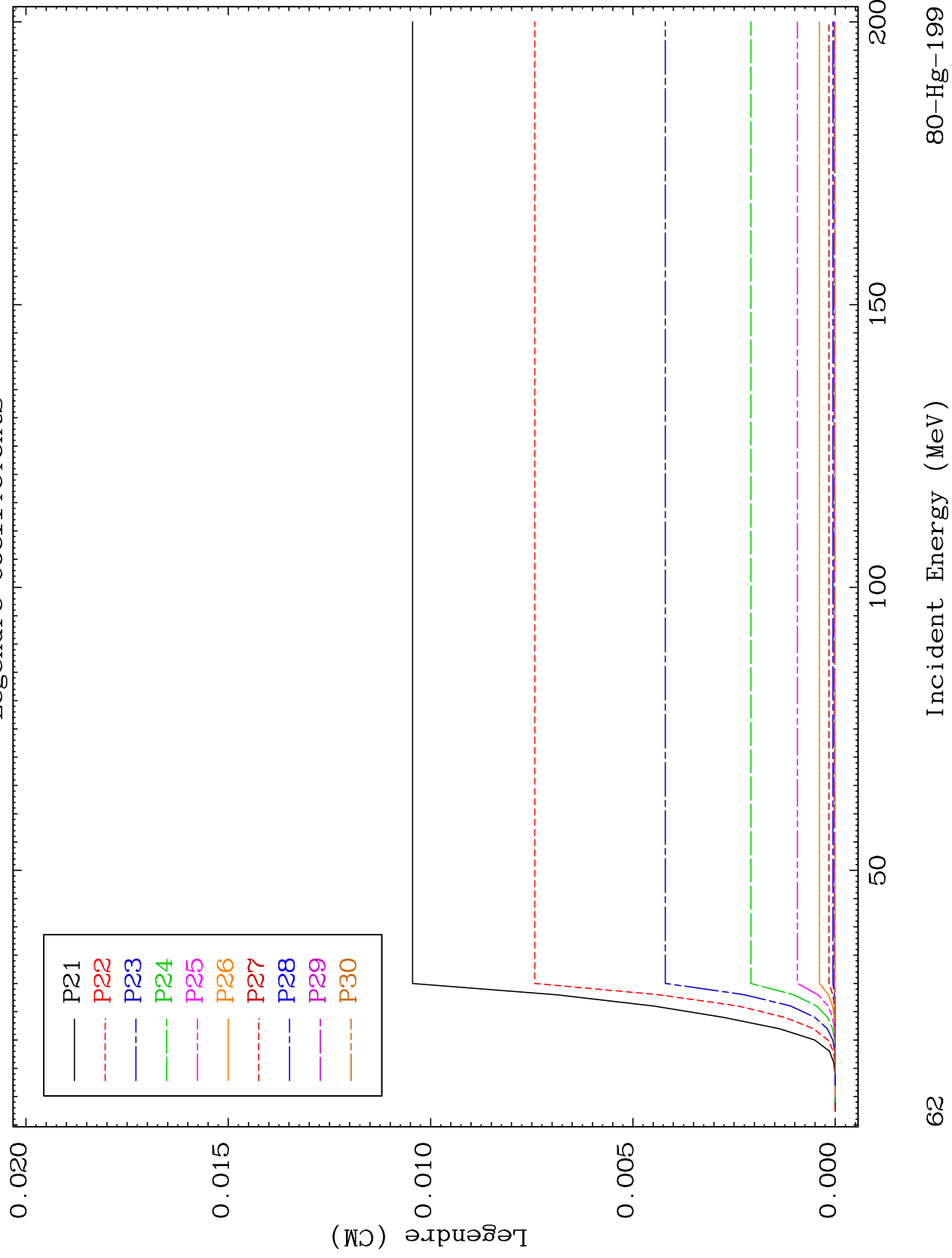
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199

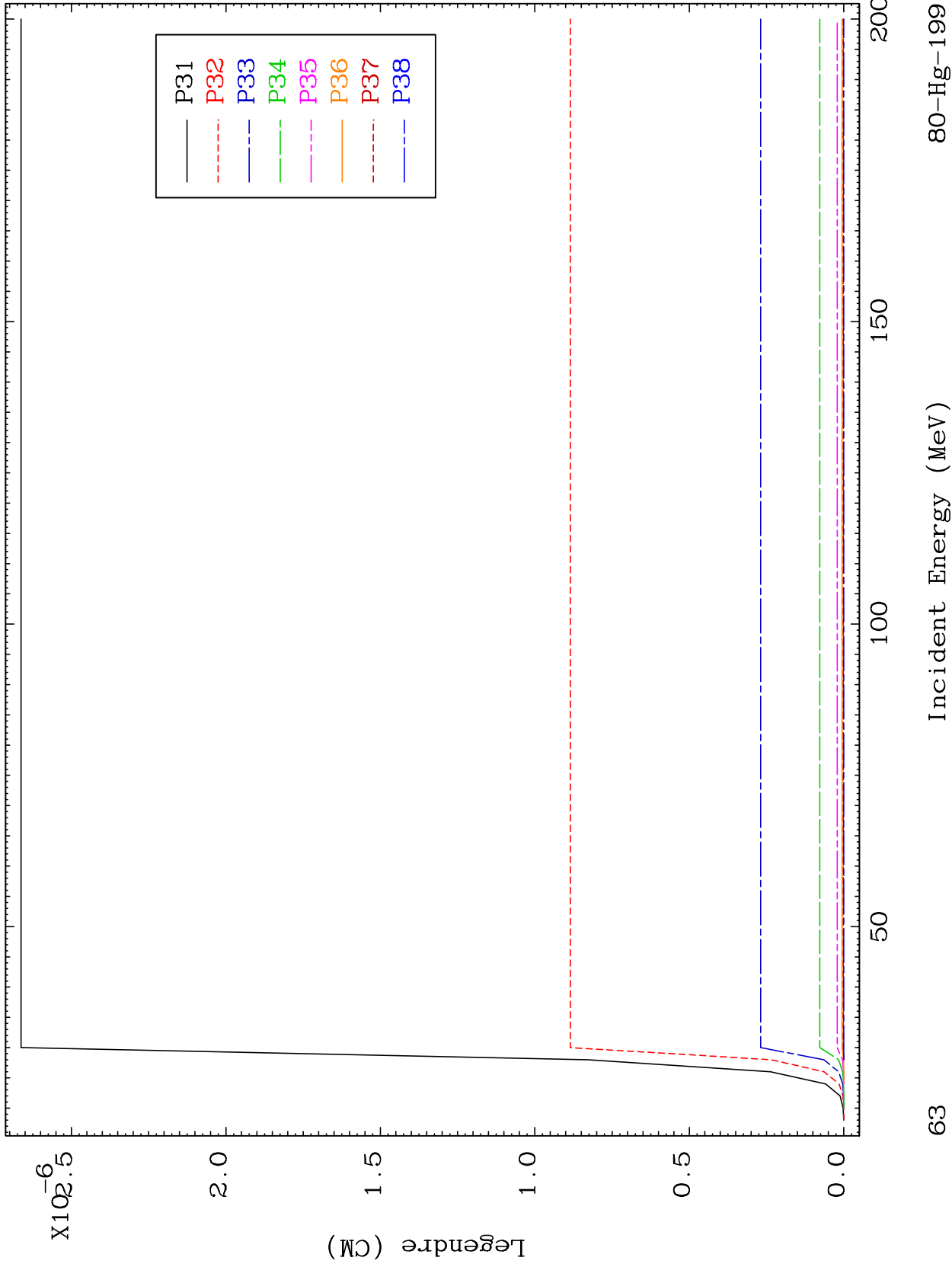


62

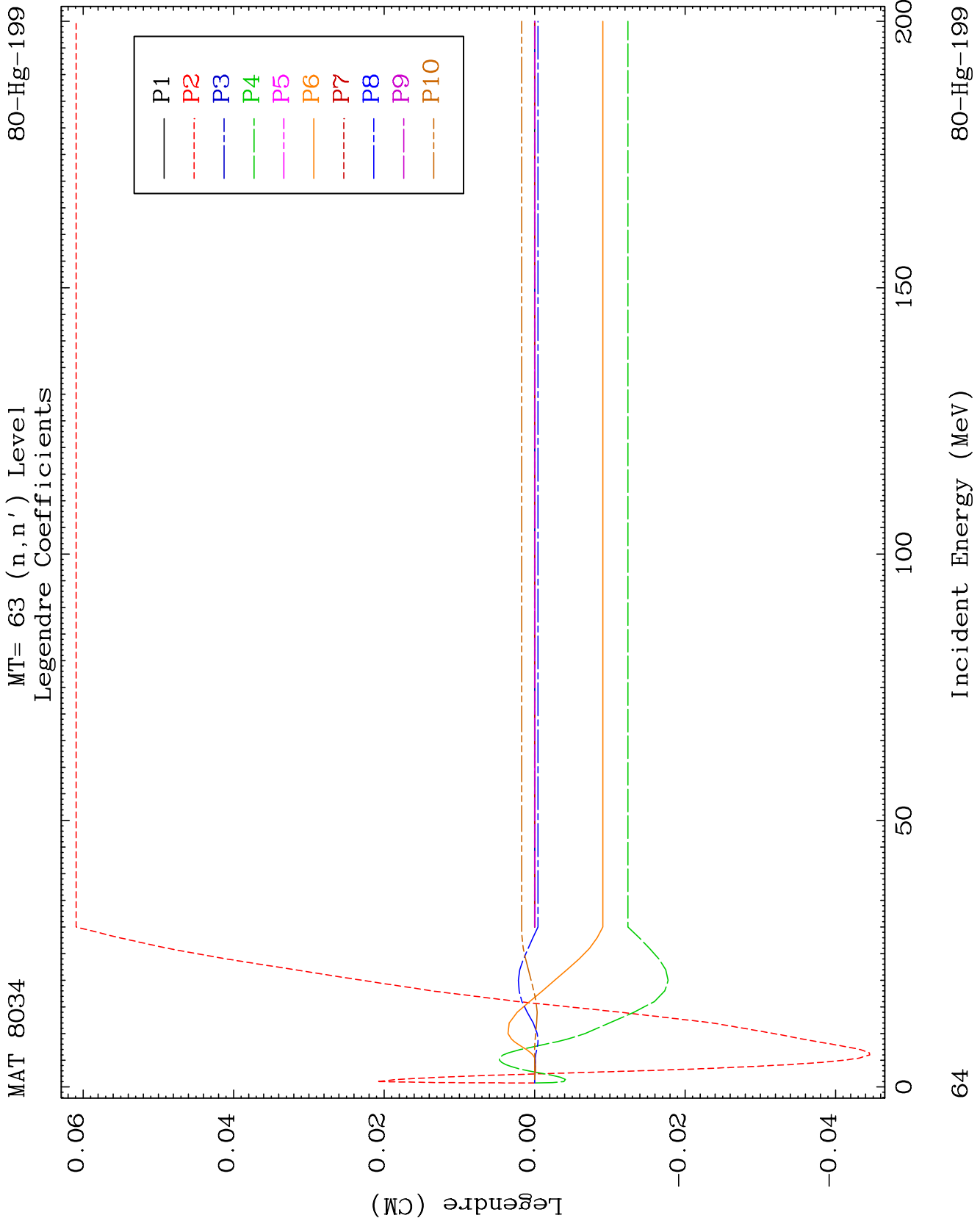
MAT 8034

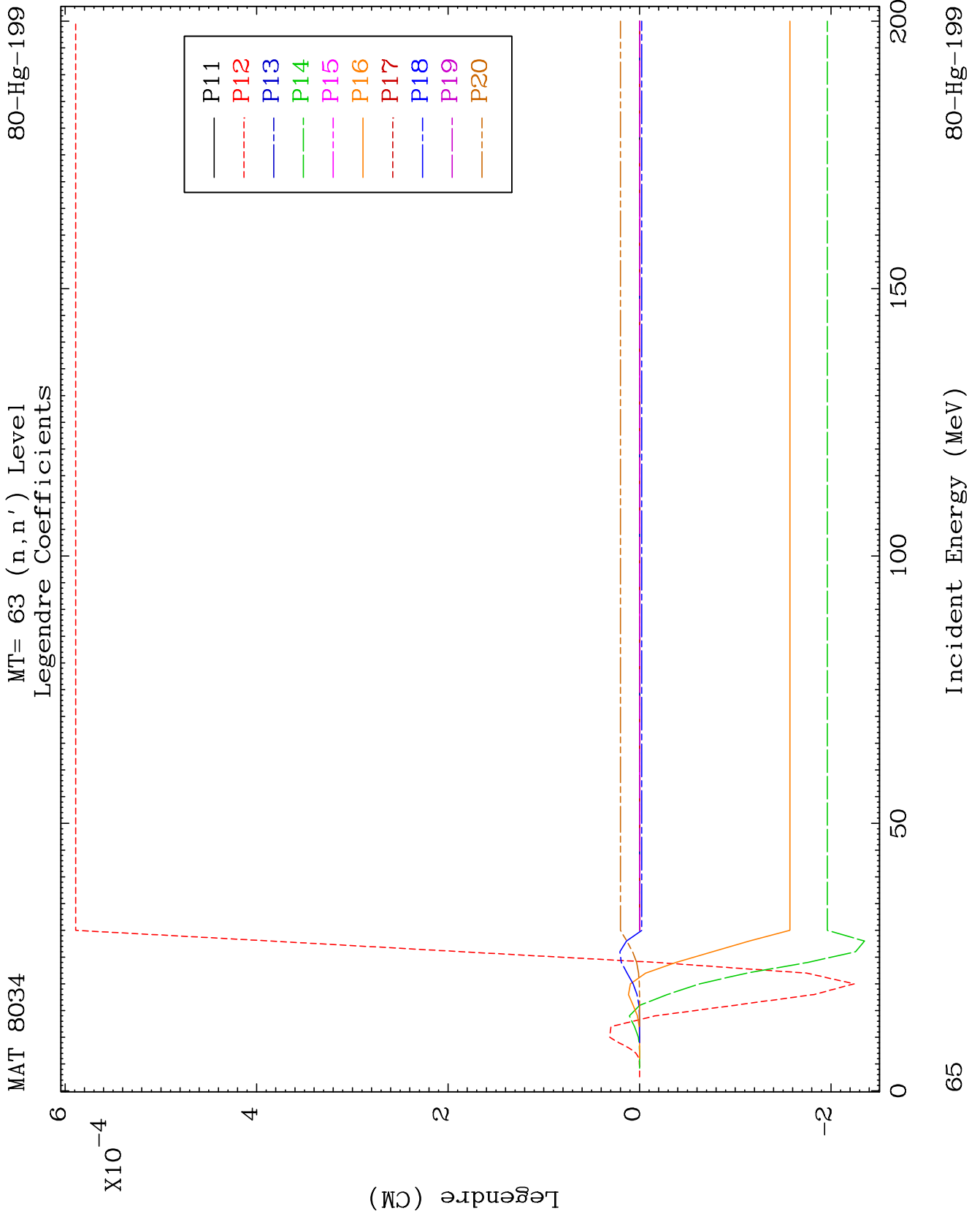
MT= 62 (n,n') Level
Legendre Coefficients

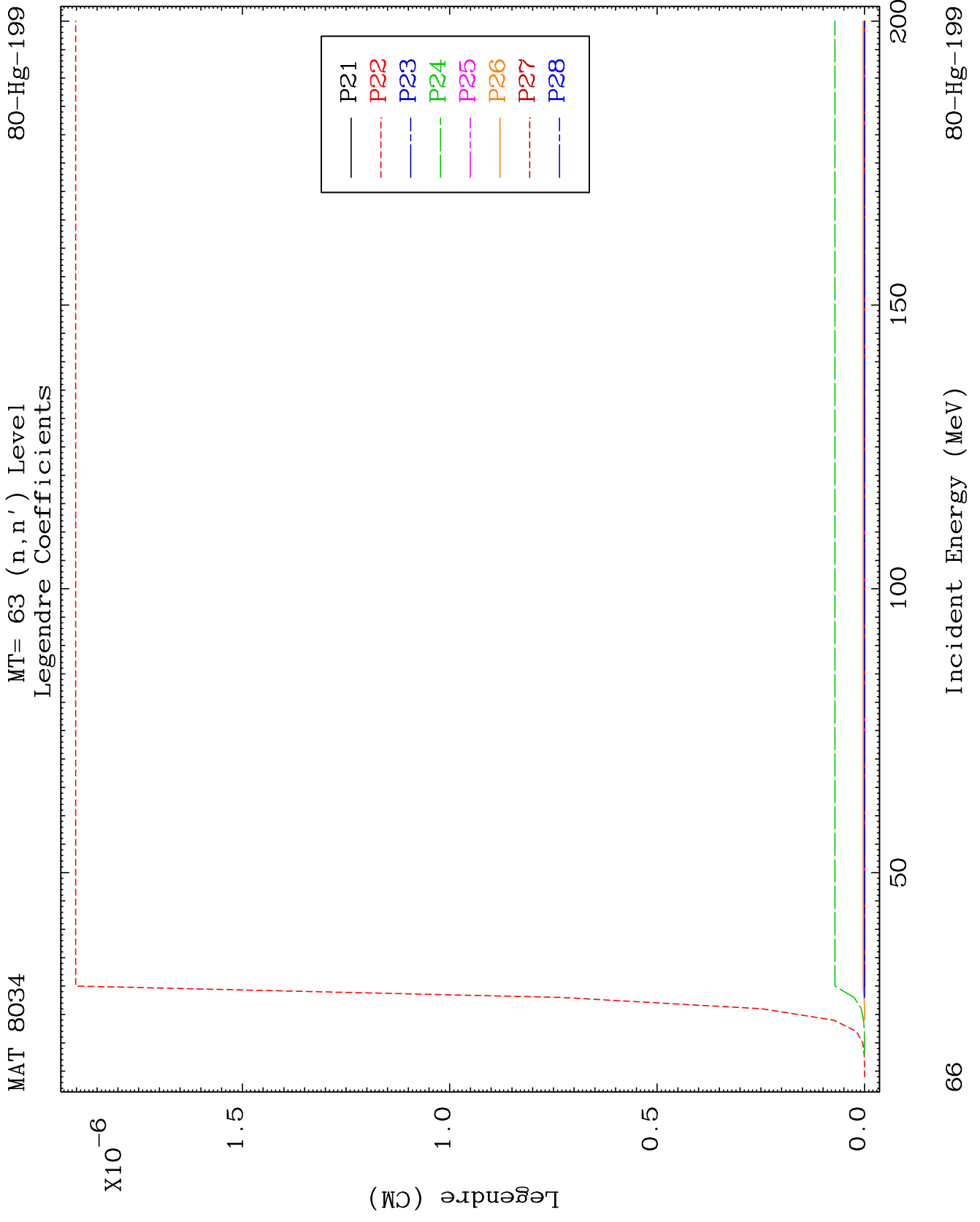
80-Hg-199



63



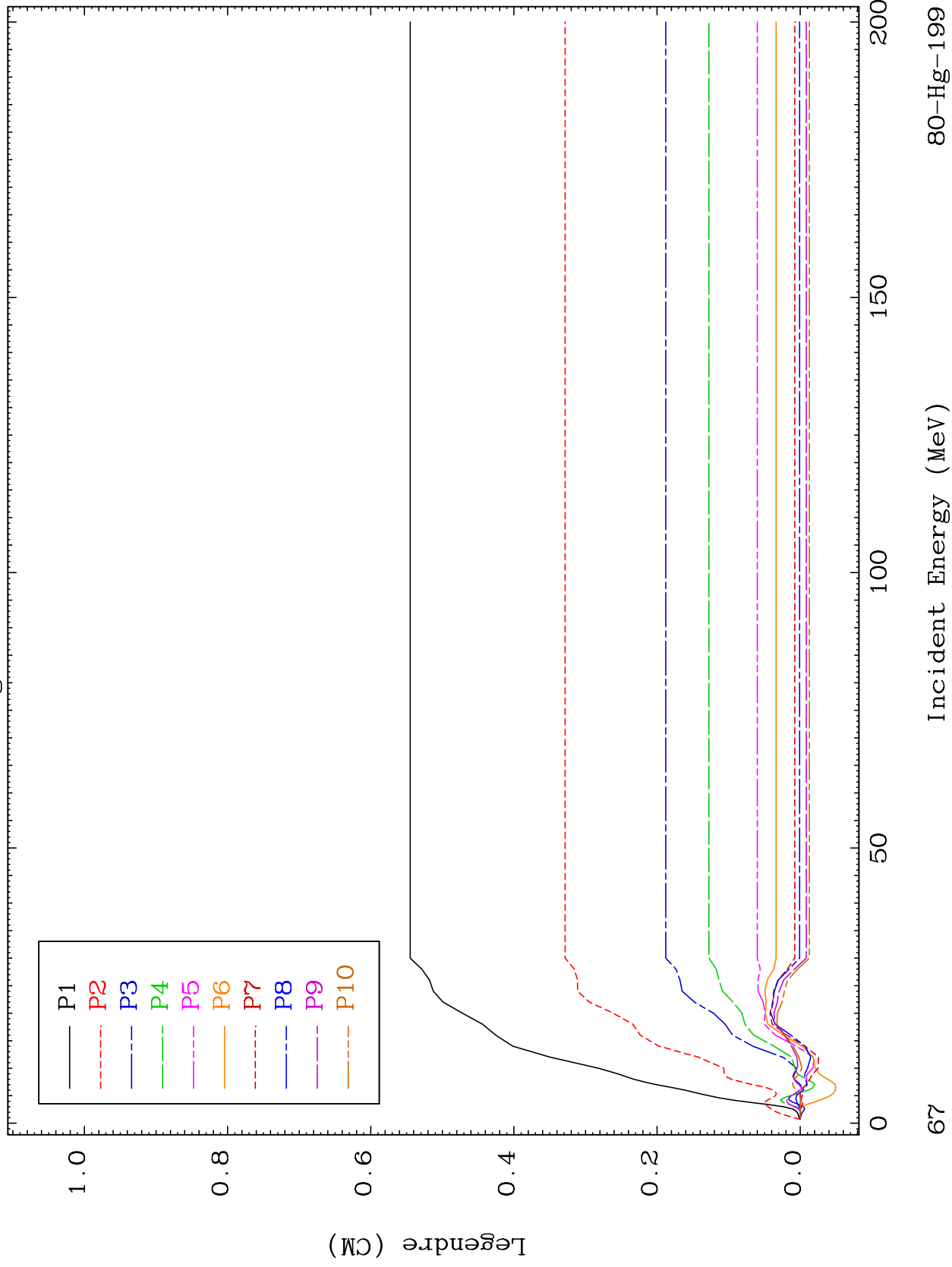




MAT 8034

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

80-Hg-199



67

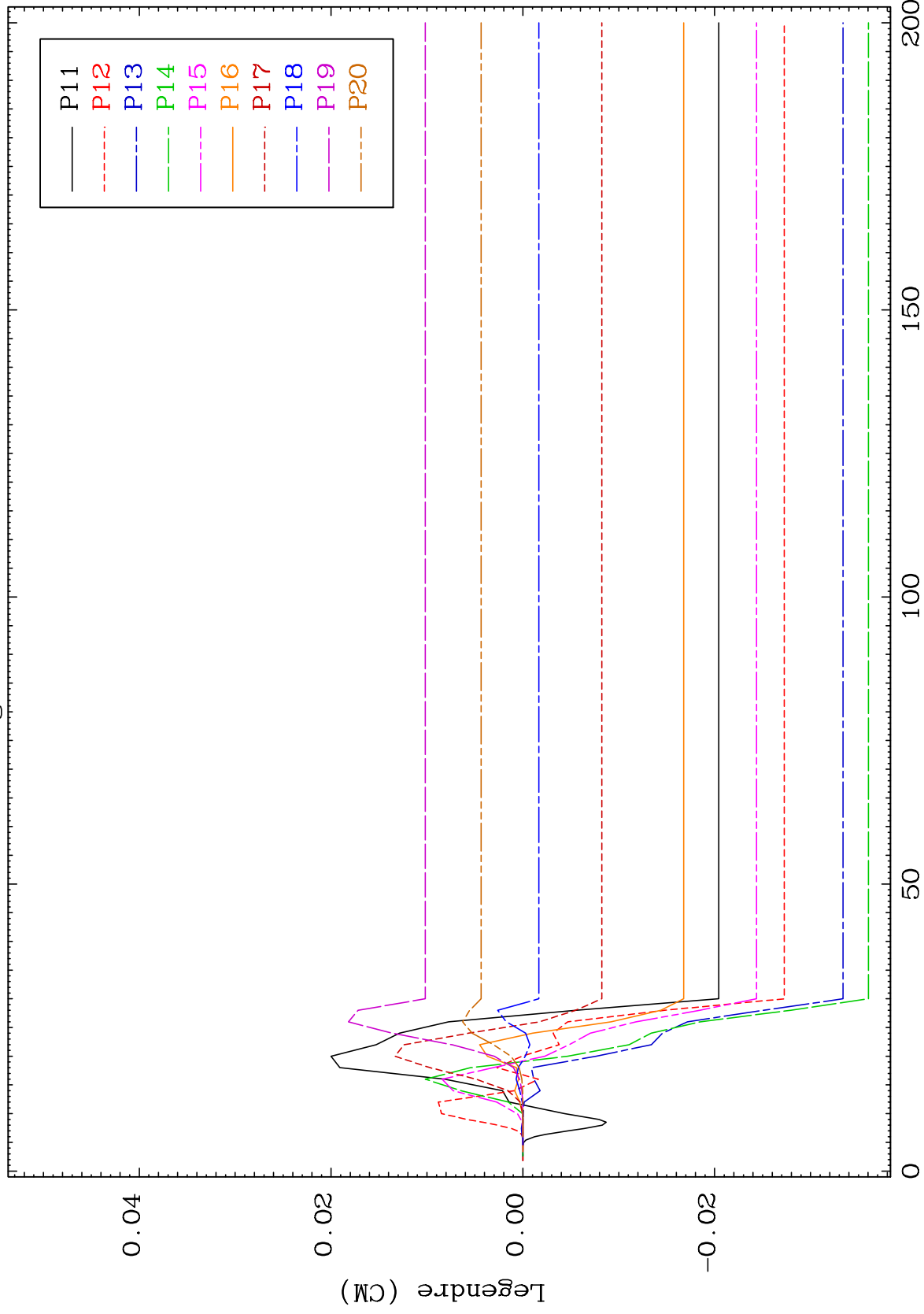
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



68

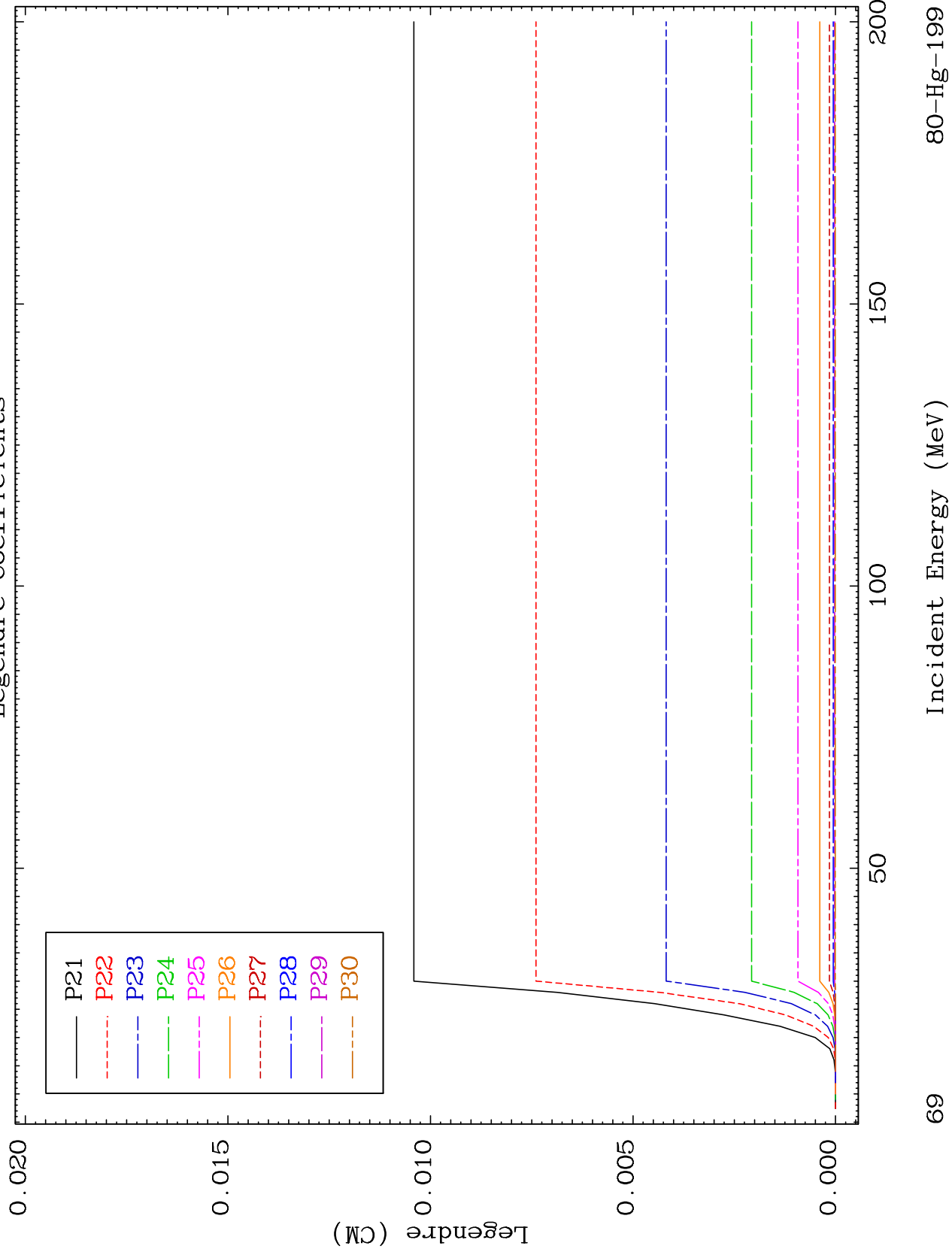
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



69

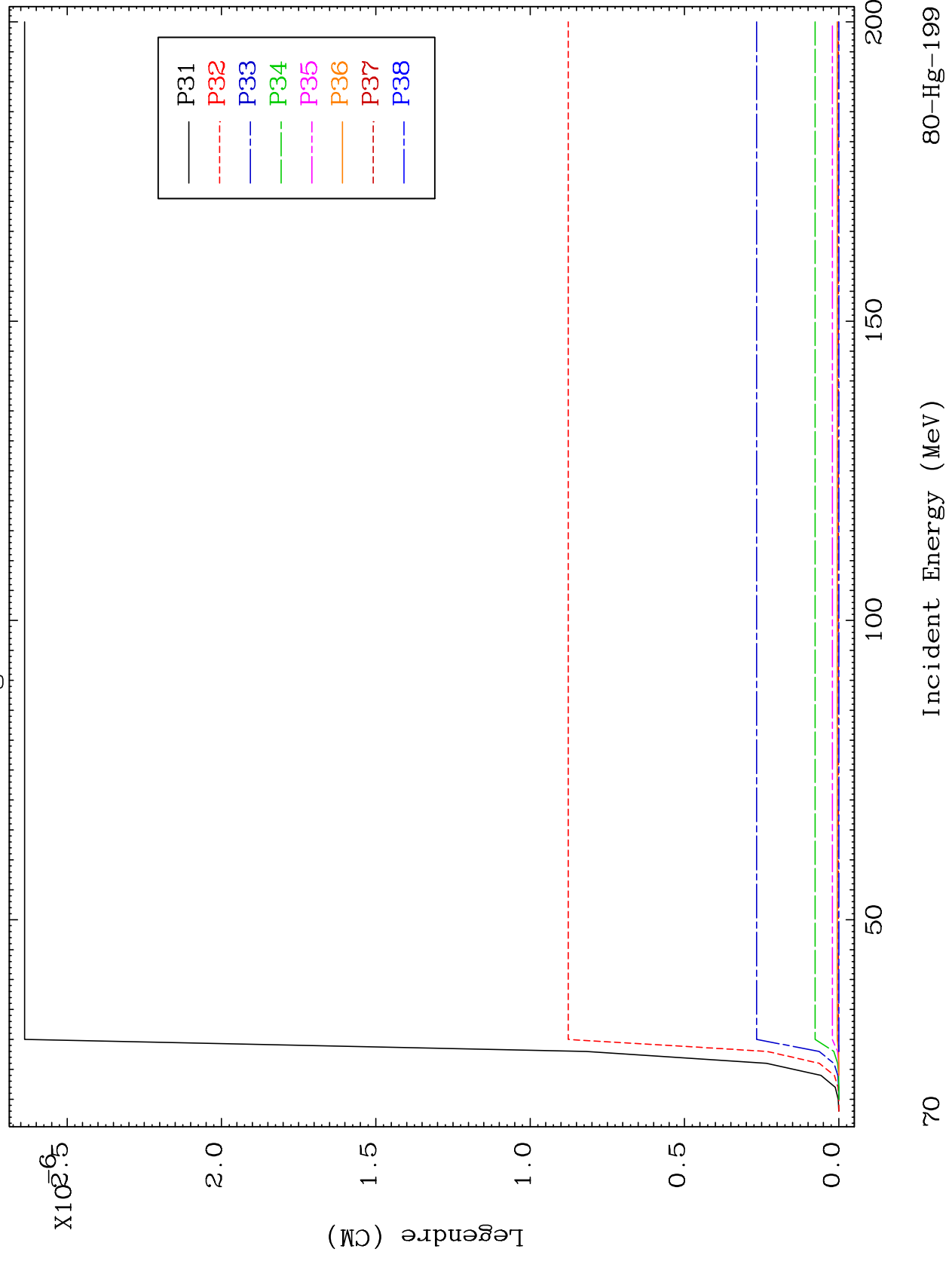
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



80-Hg-199

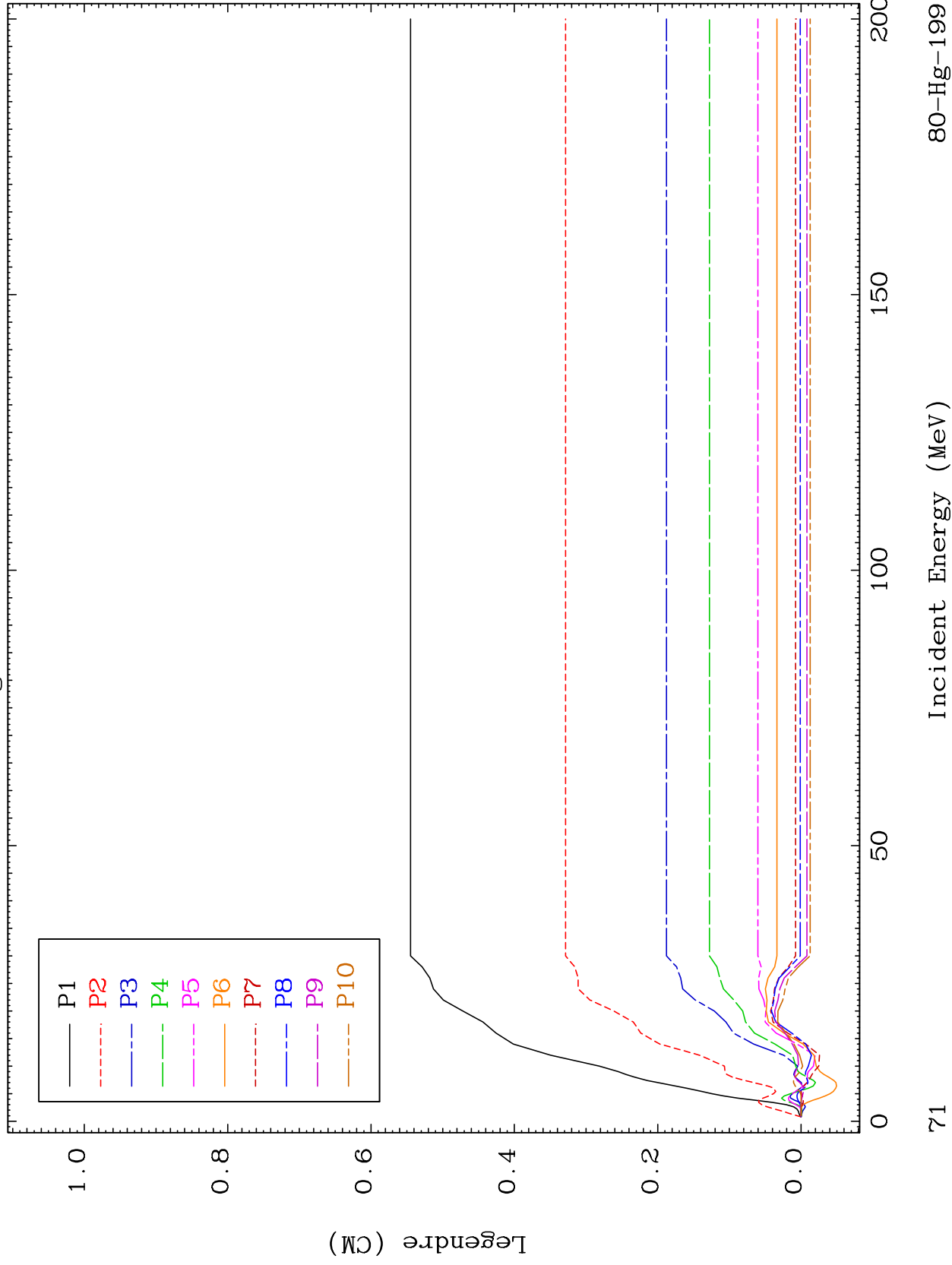
Incident Energy (MeV)

70

MAT 8034

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

80-Hg-199



71

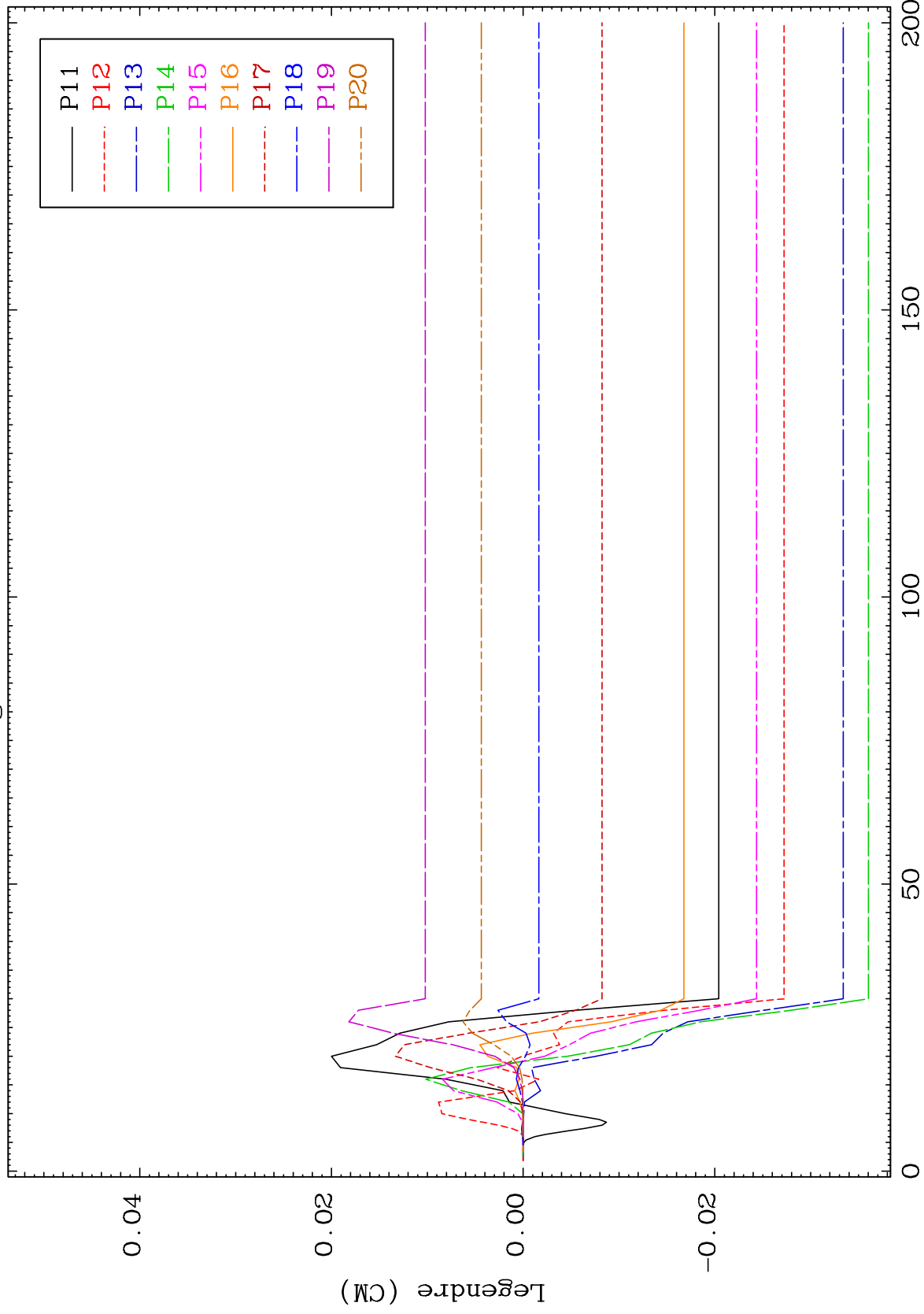
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

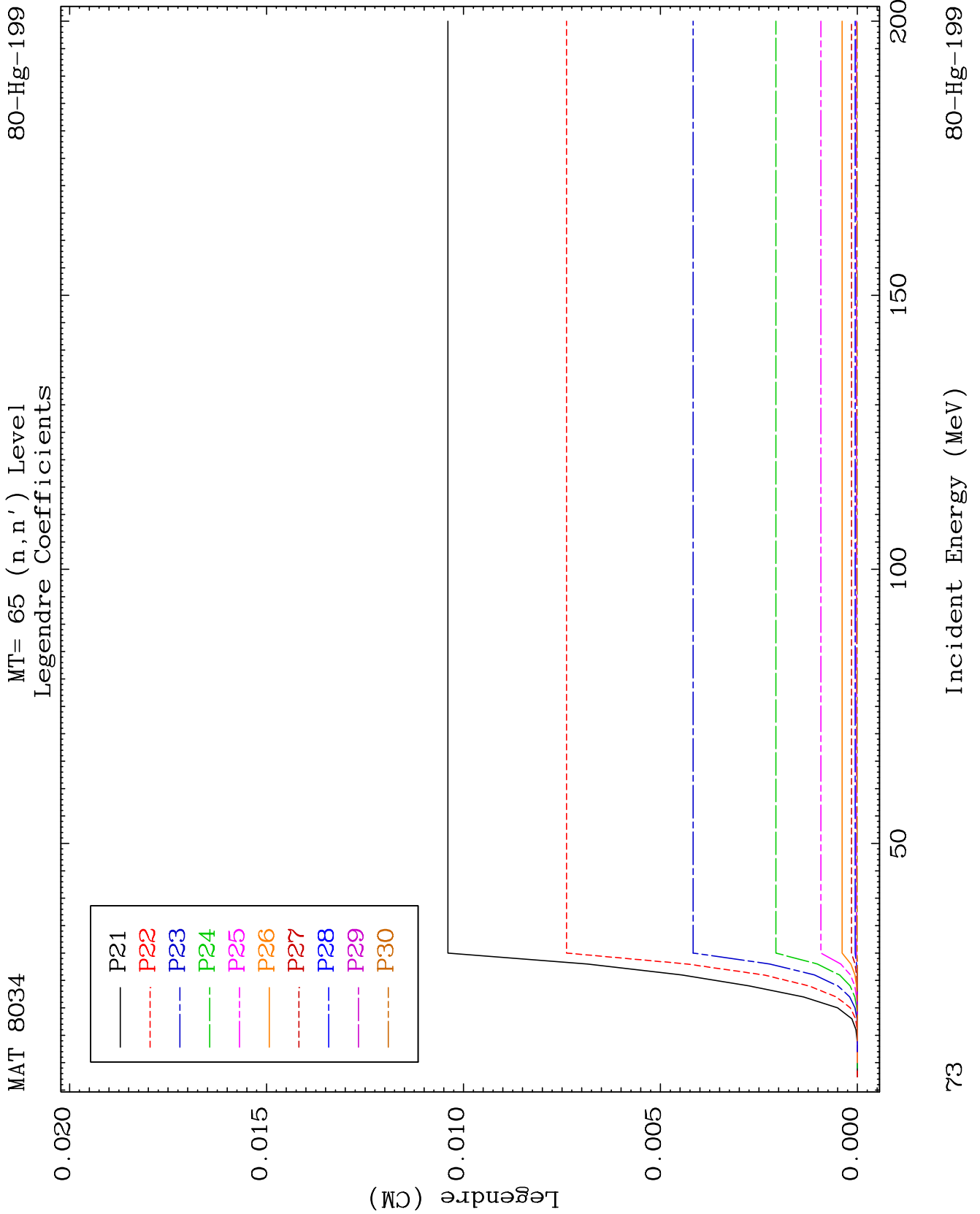
80-Hg-199



72

Incident Energy (MeV)

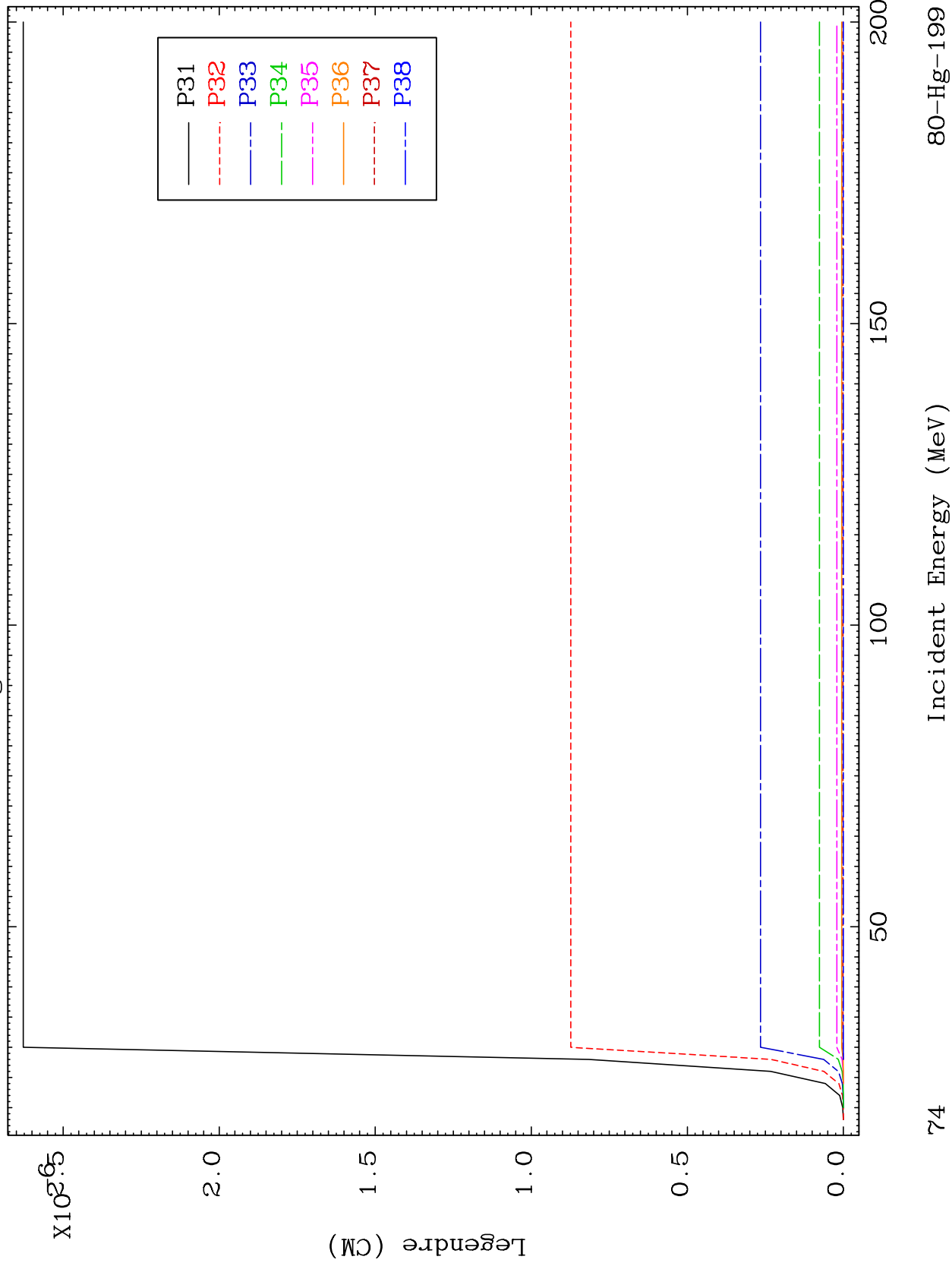
80-Hg-199

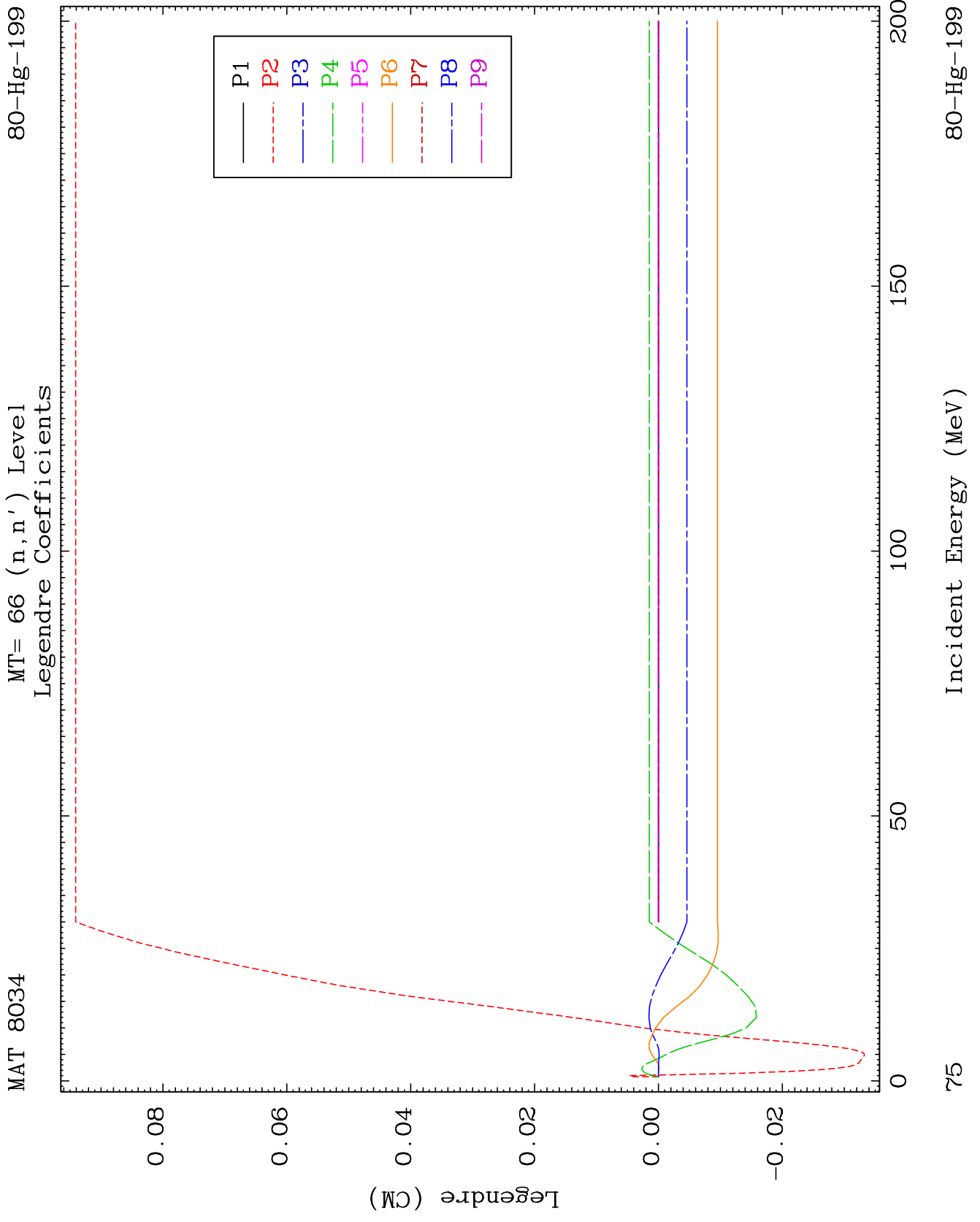


MAT 8034

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

80-Hg-199

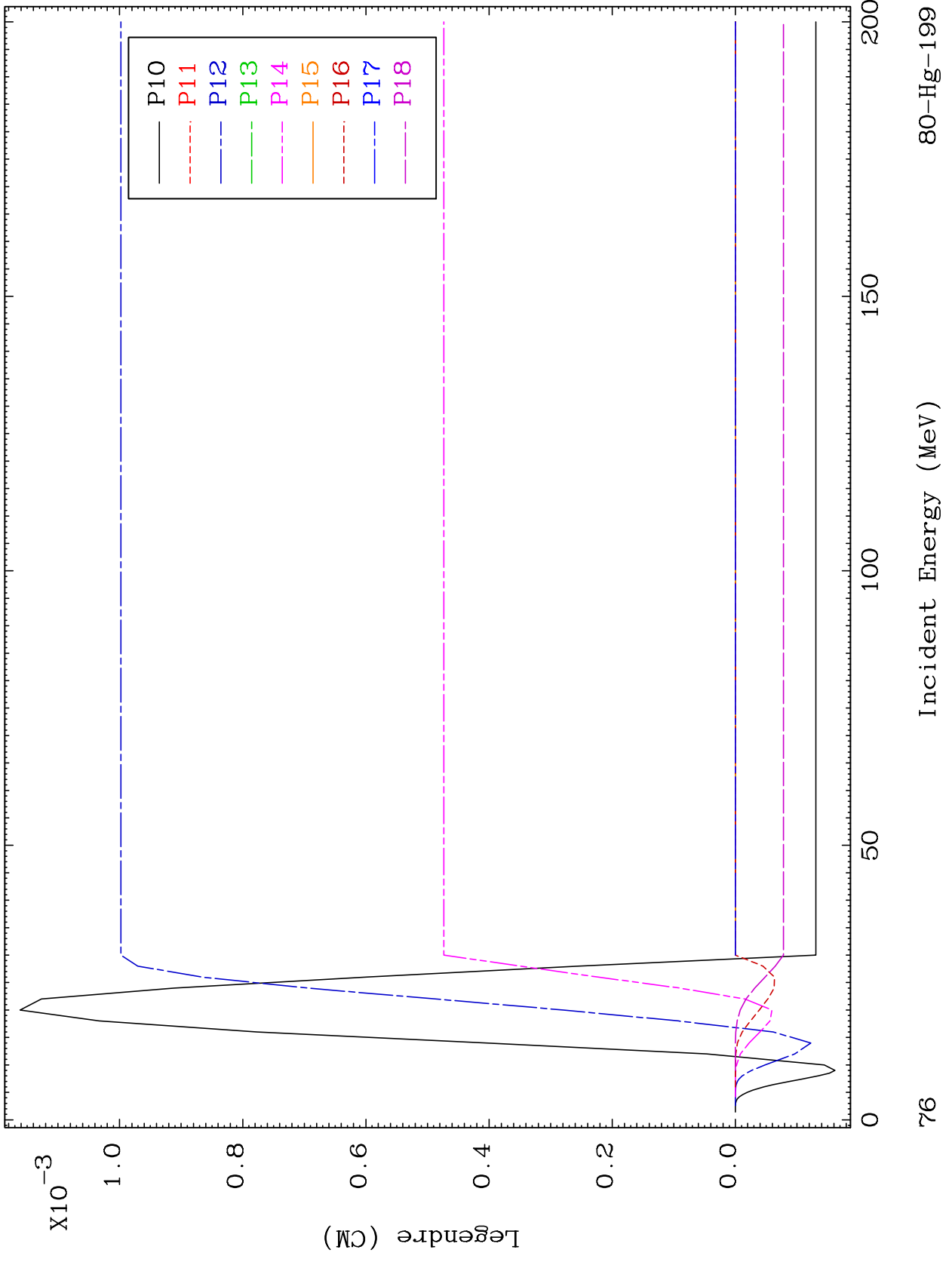


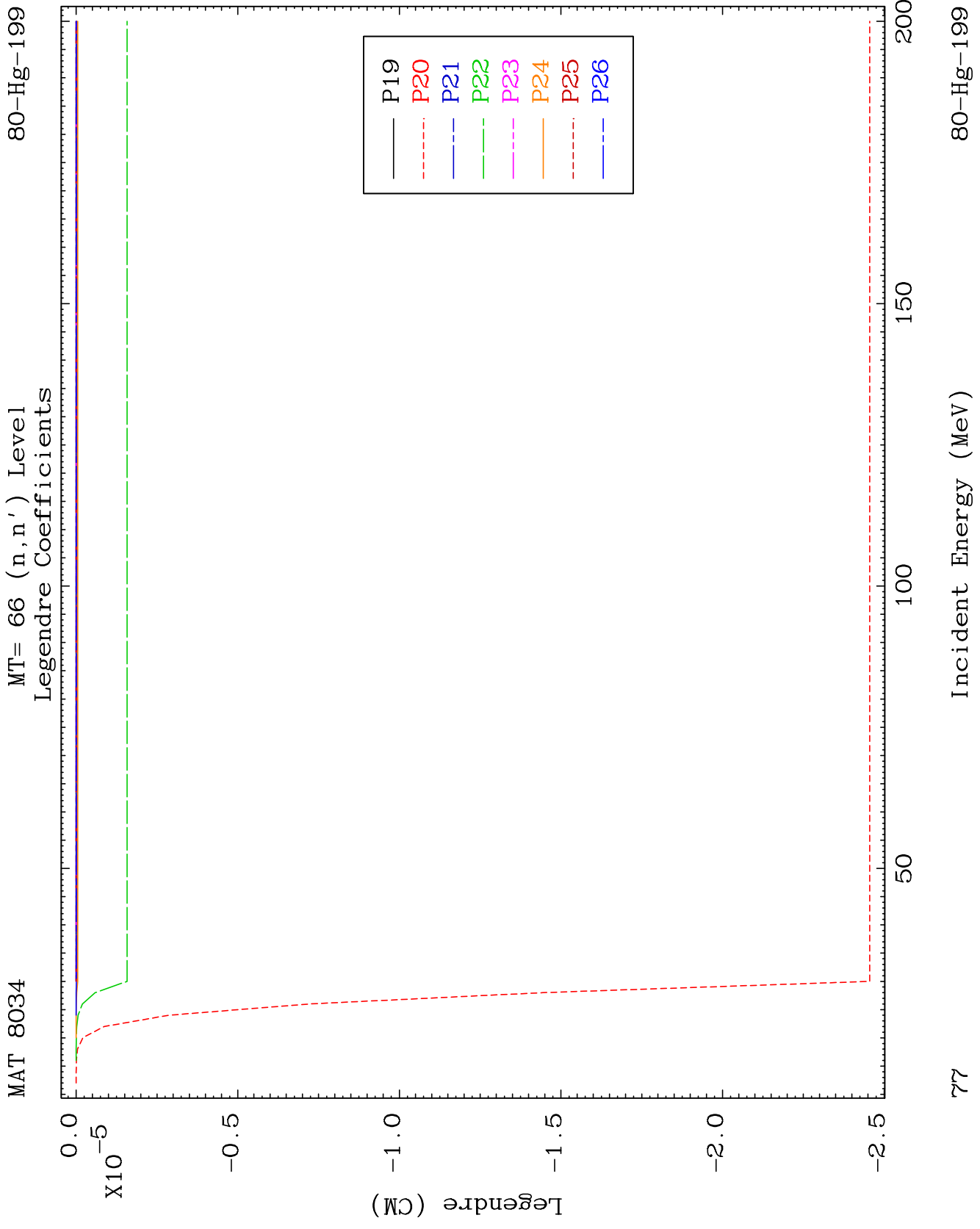


MAT 8034

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

80-Hg-199

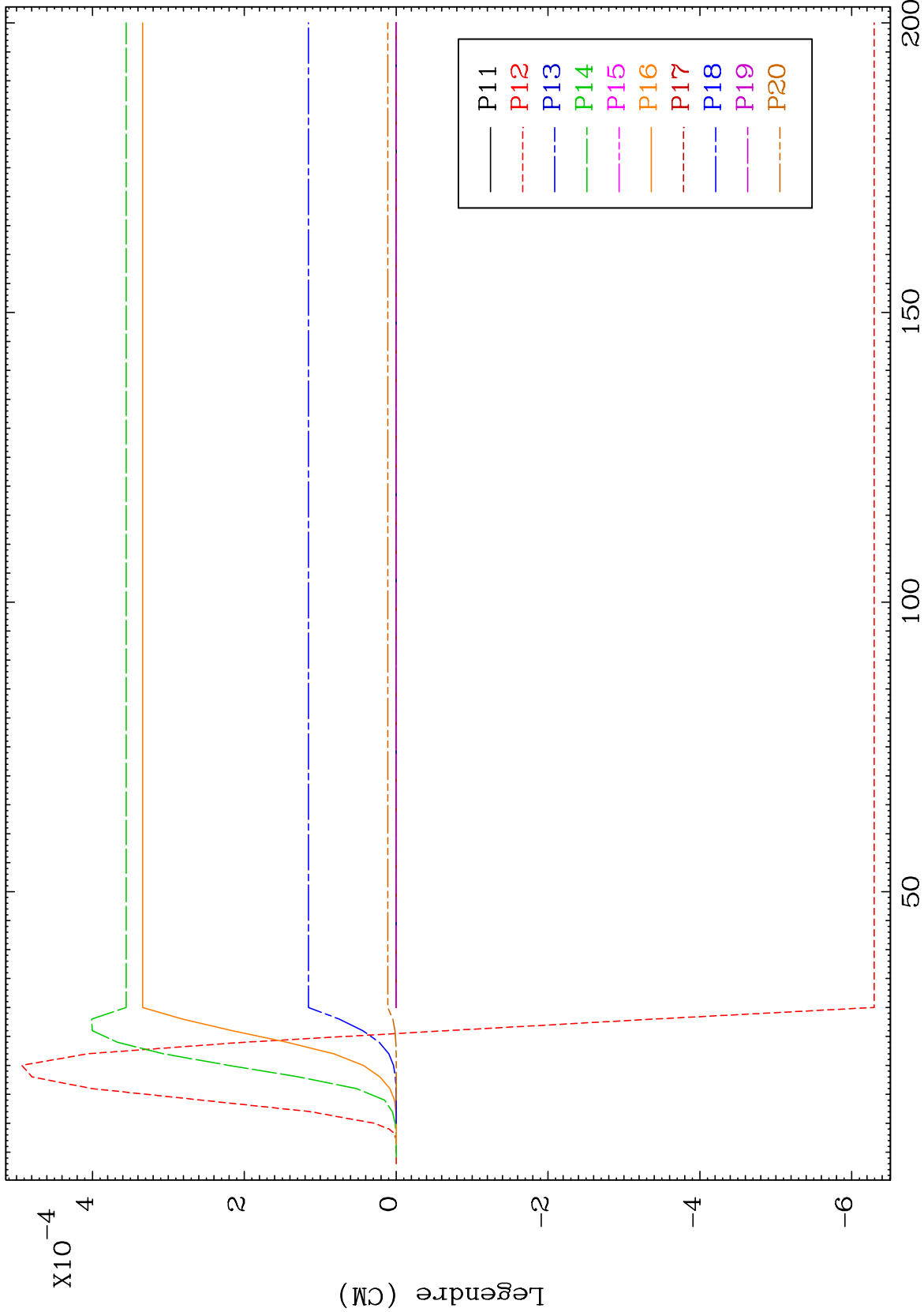




MAT 8034

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

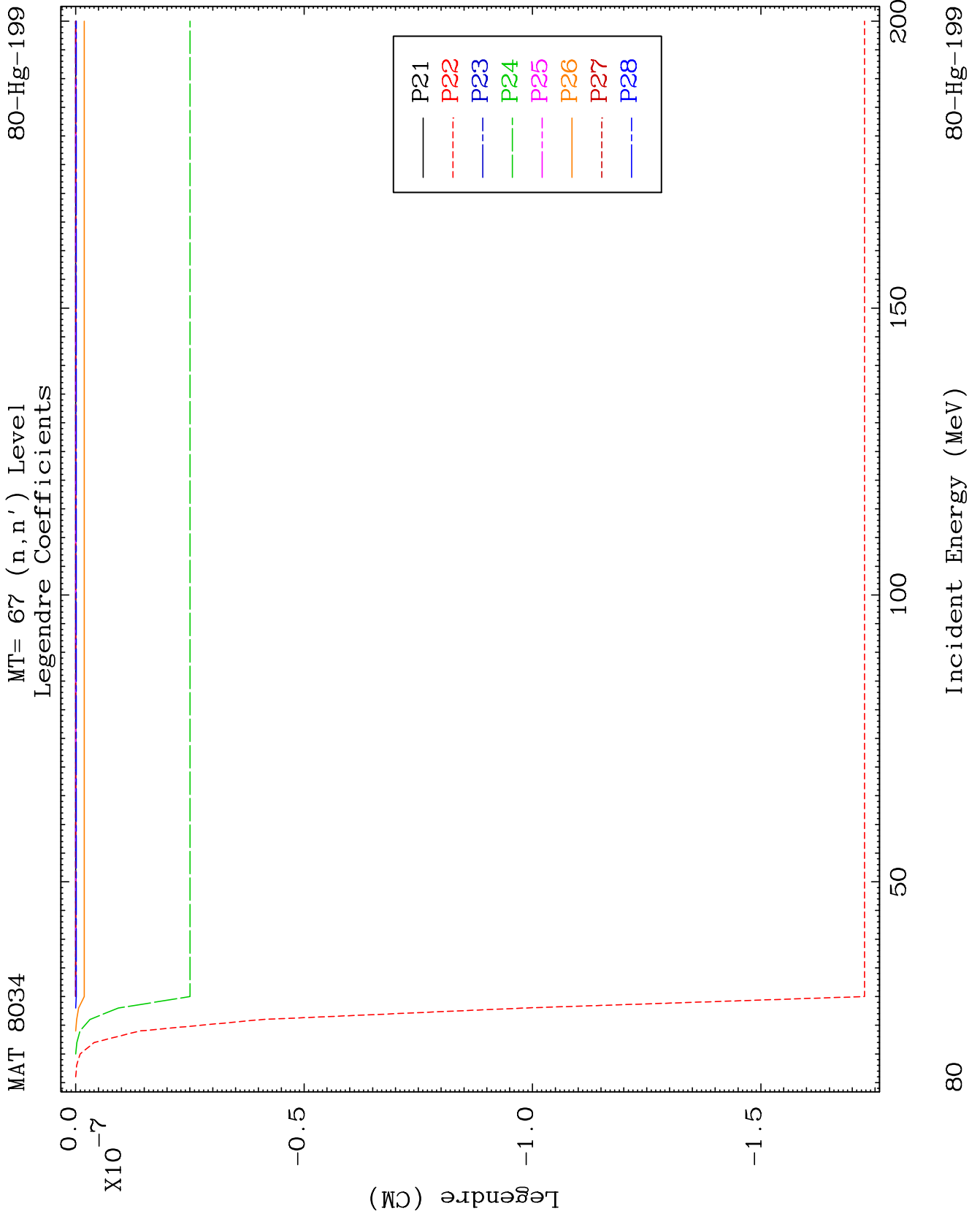
80-Hg-199



79

Incident Energy (MeV)

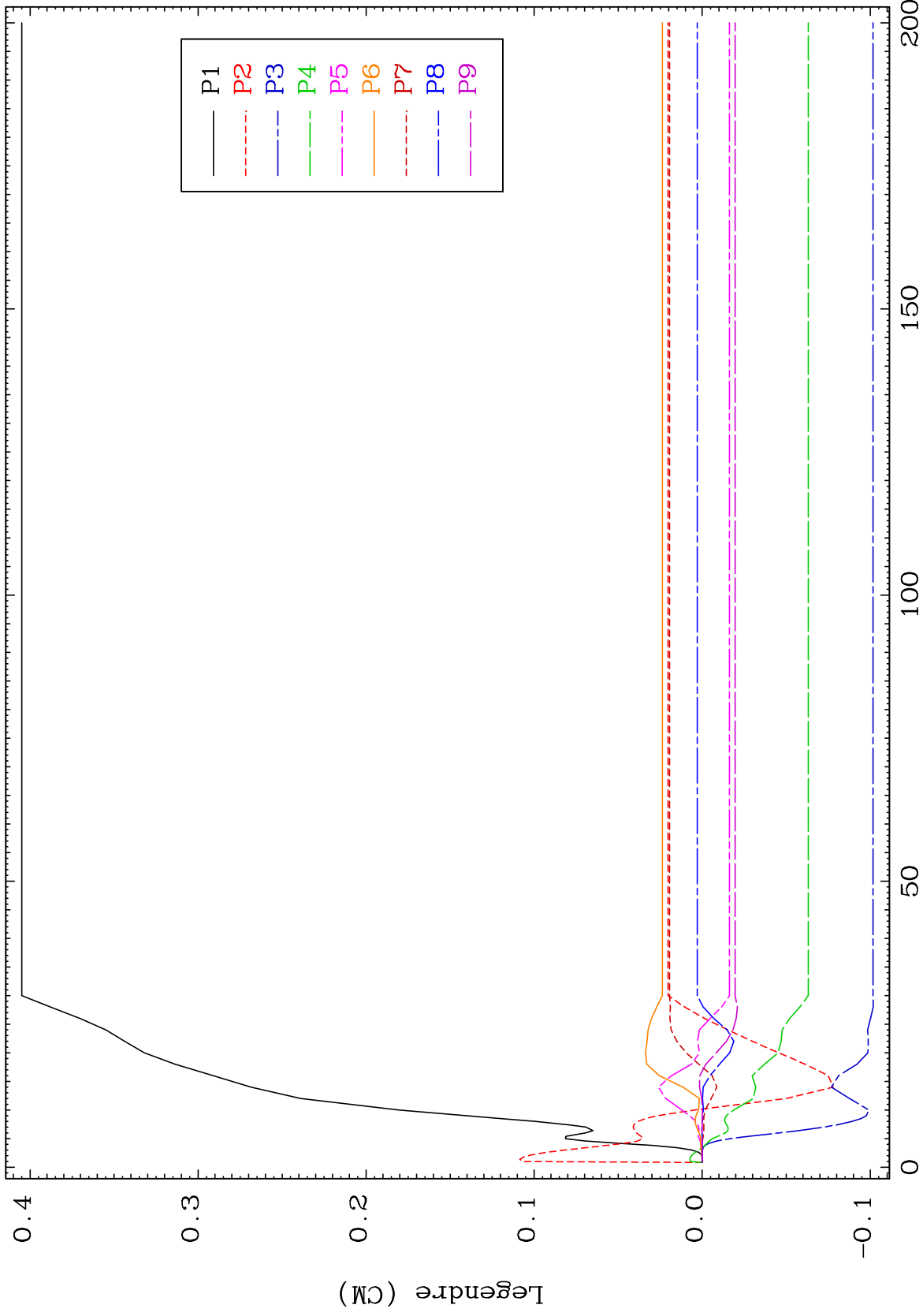
80-Hg-199



MAT 8034

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

80-Hg-199



81

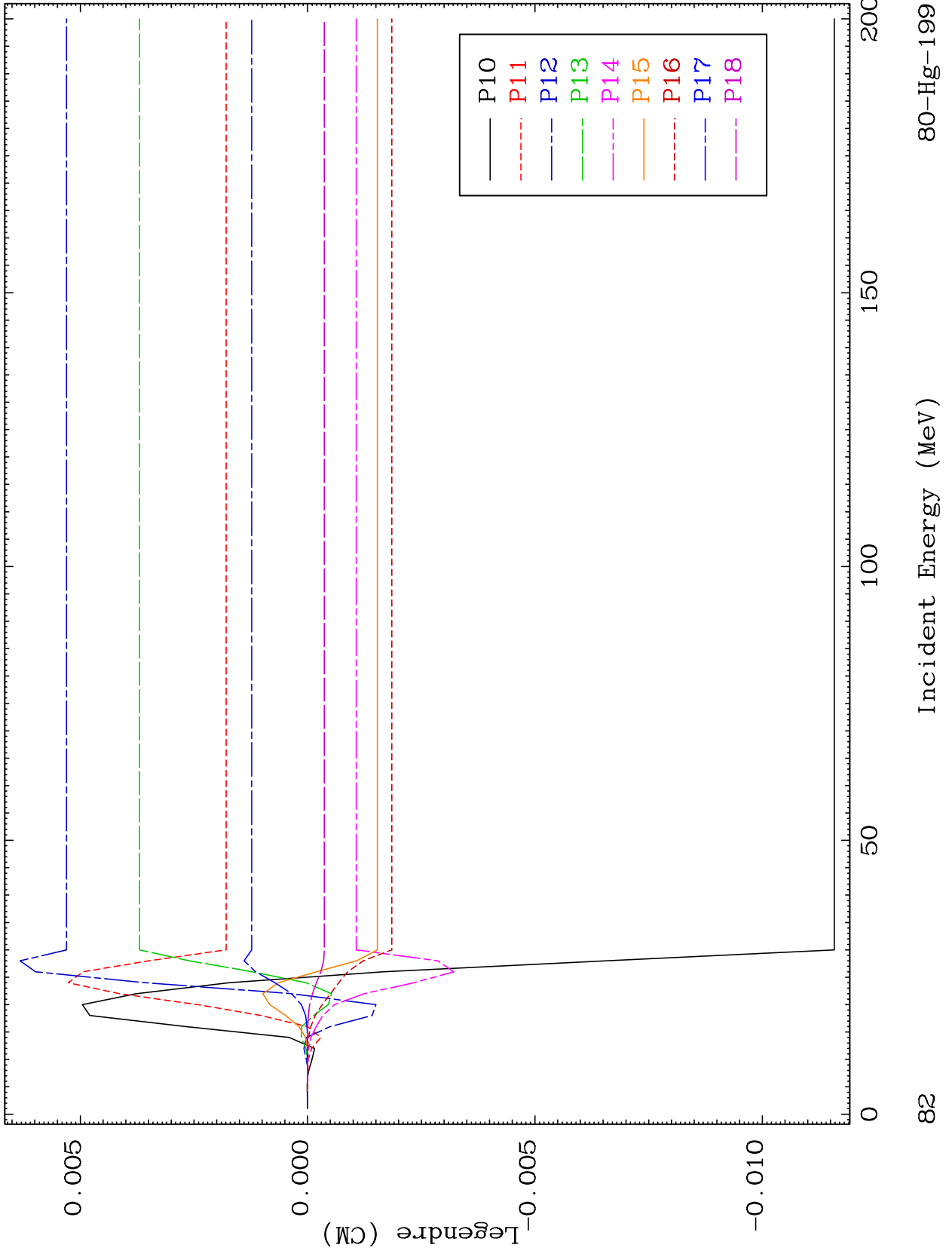
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



82

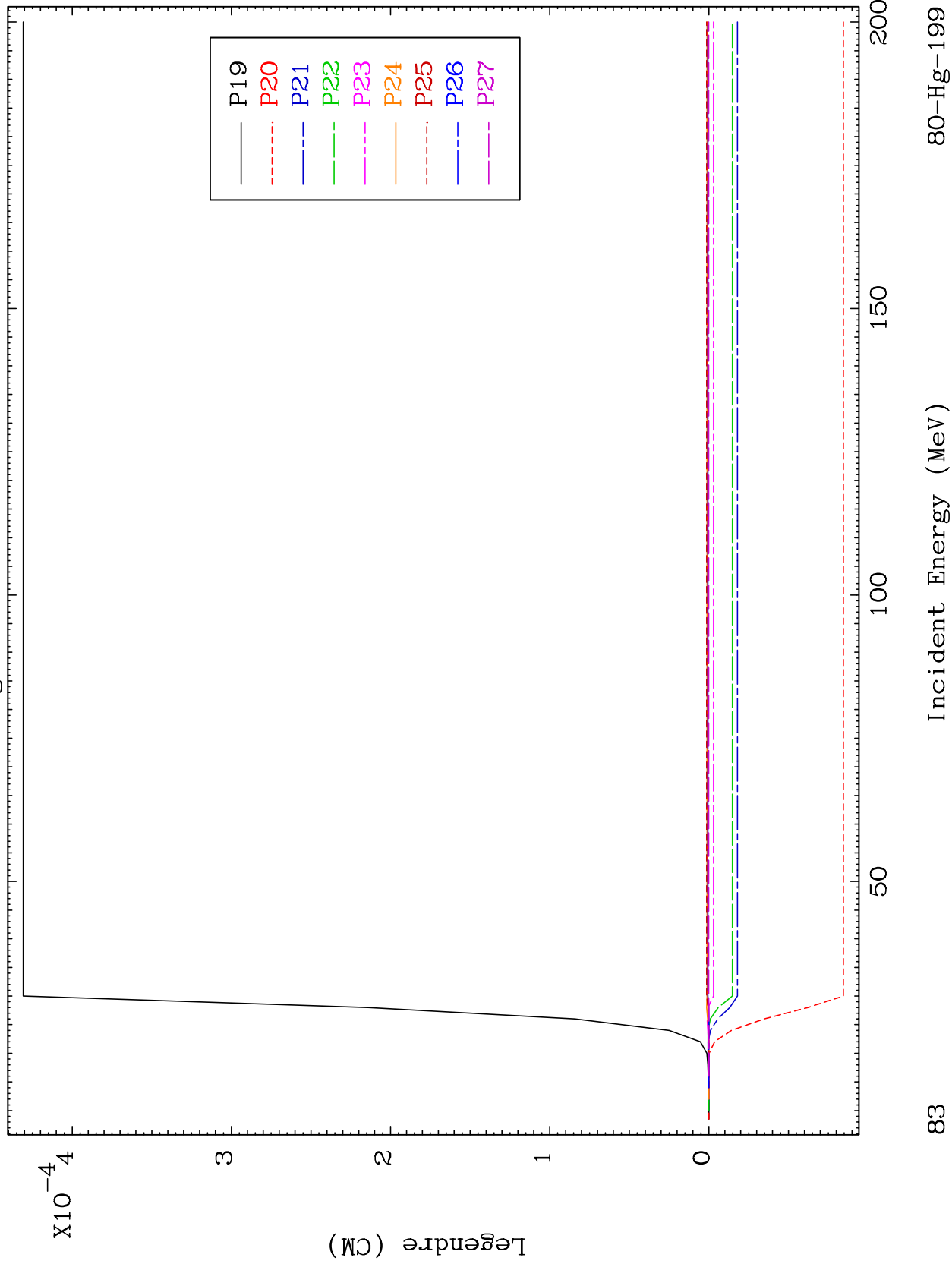
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

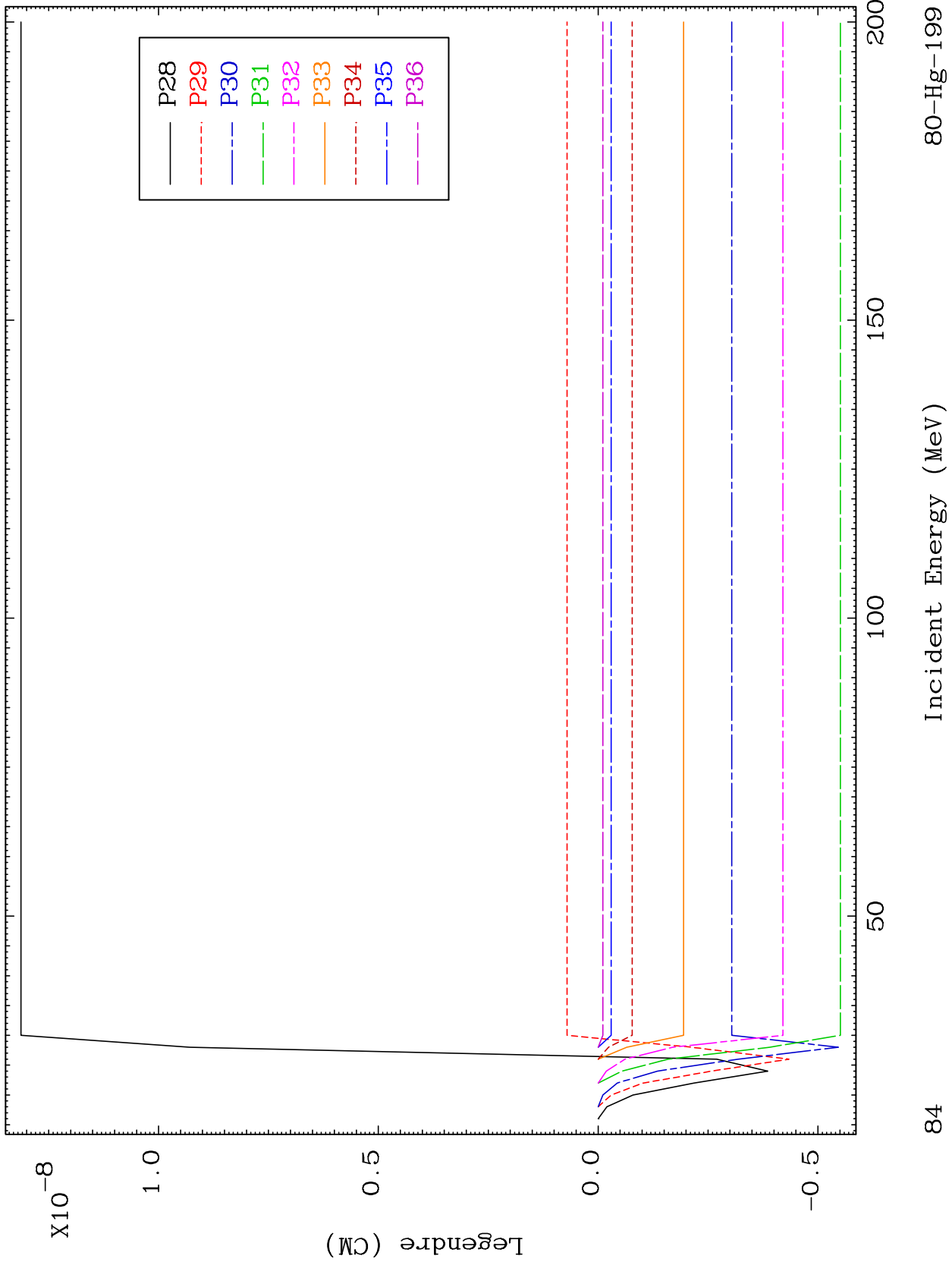
80-Hg-199

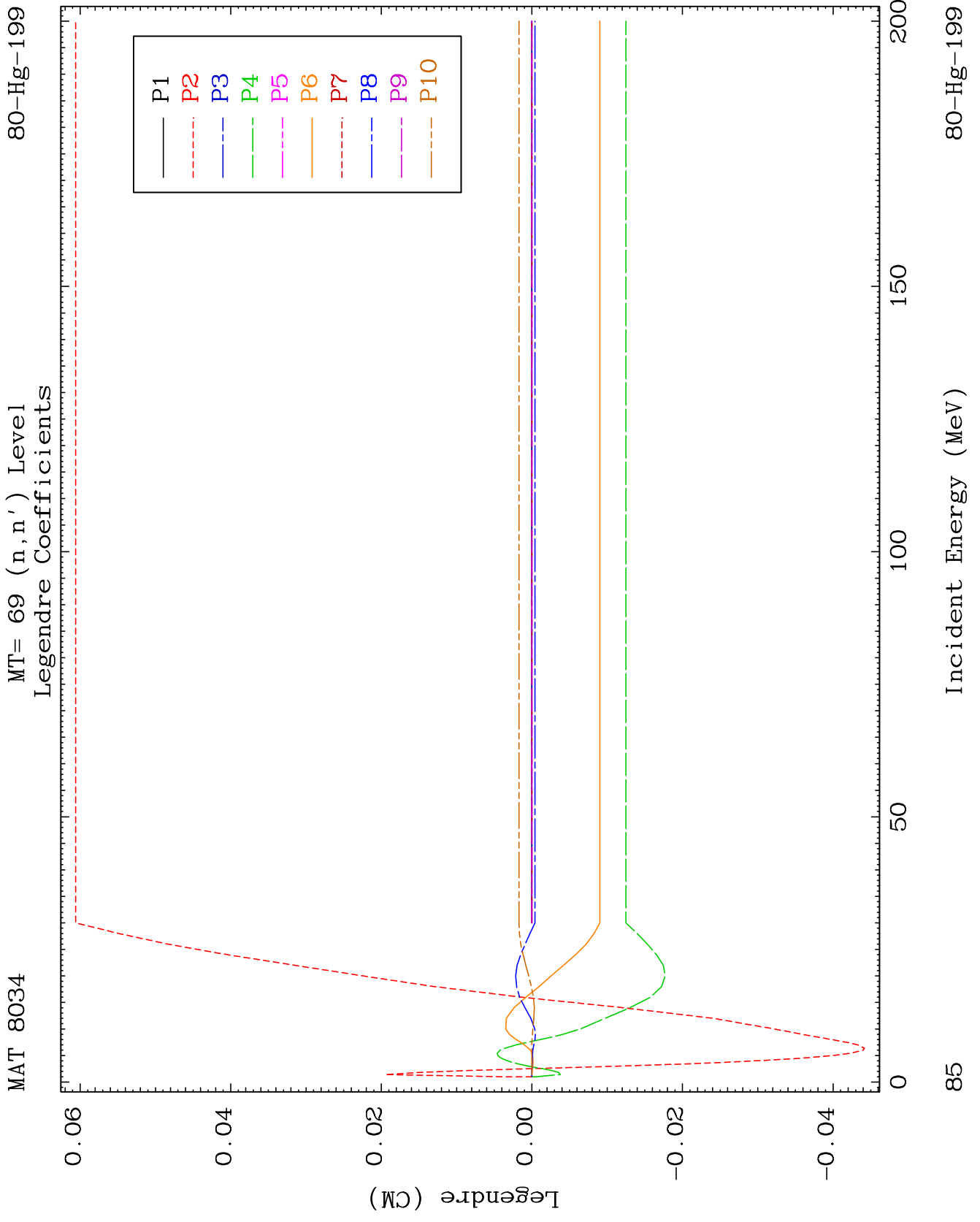


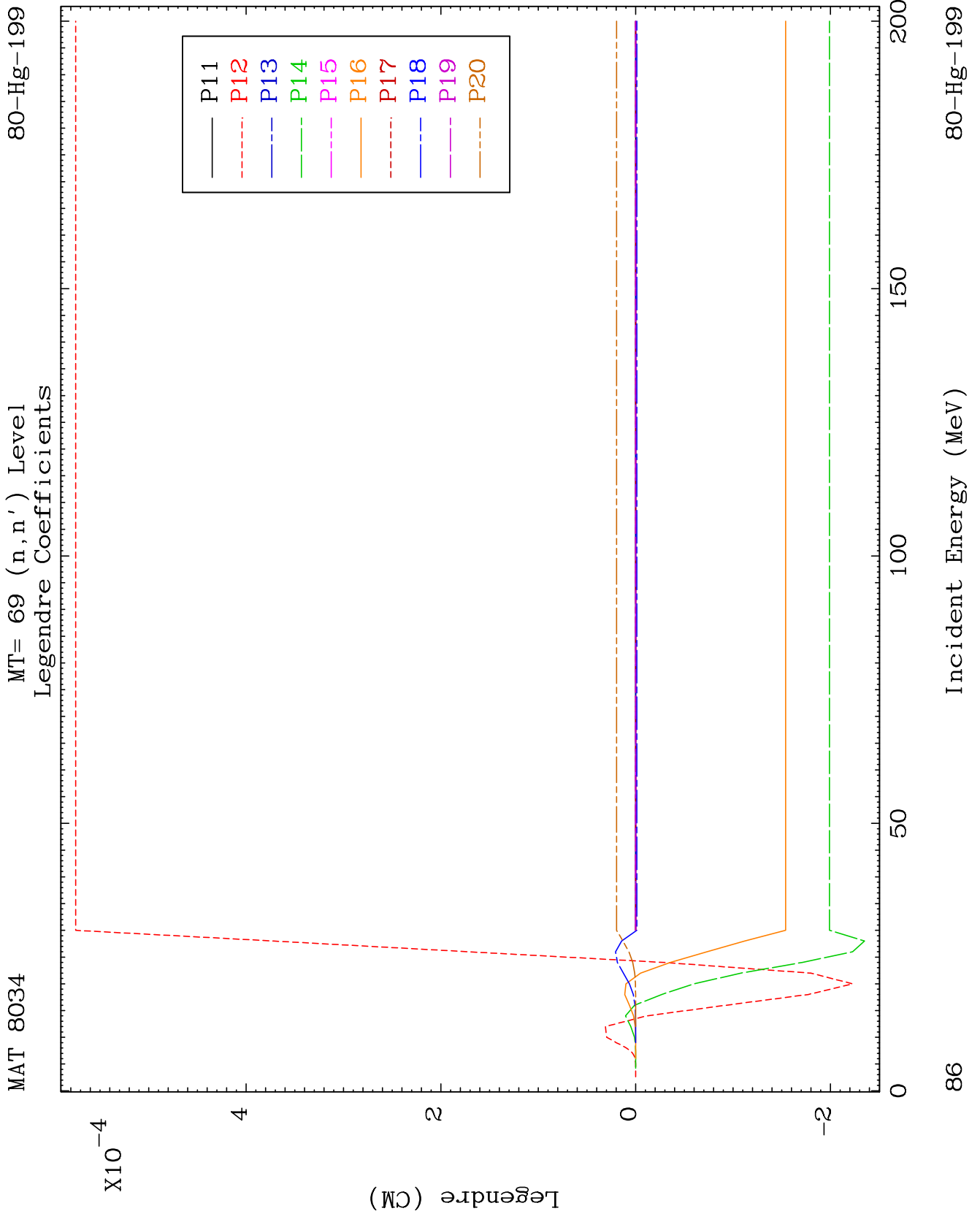
MAT 8034

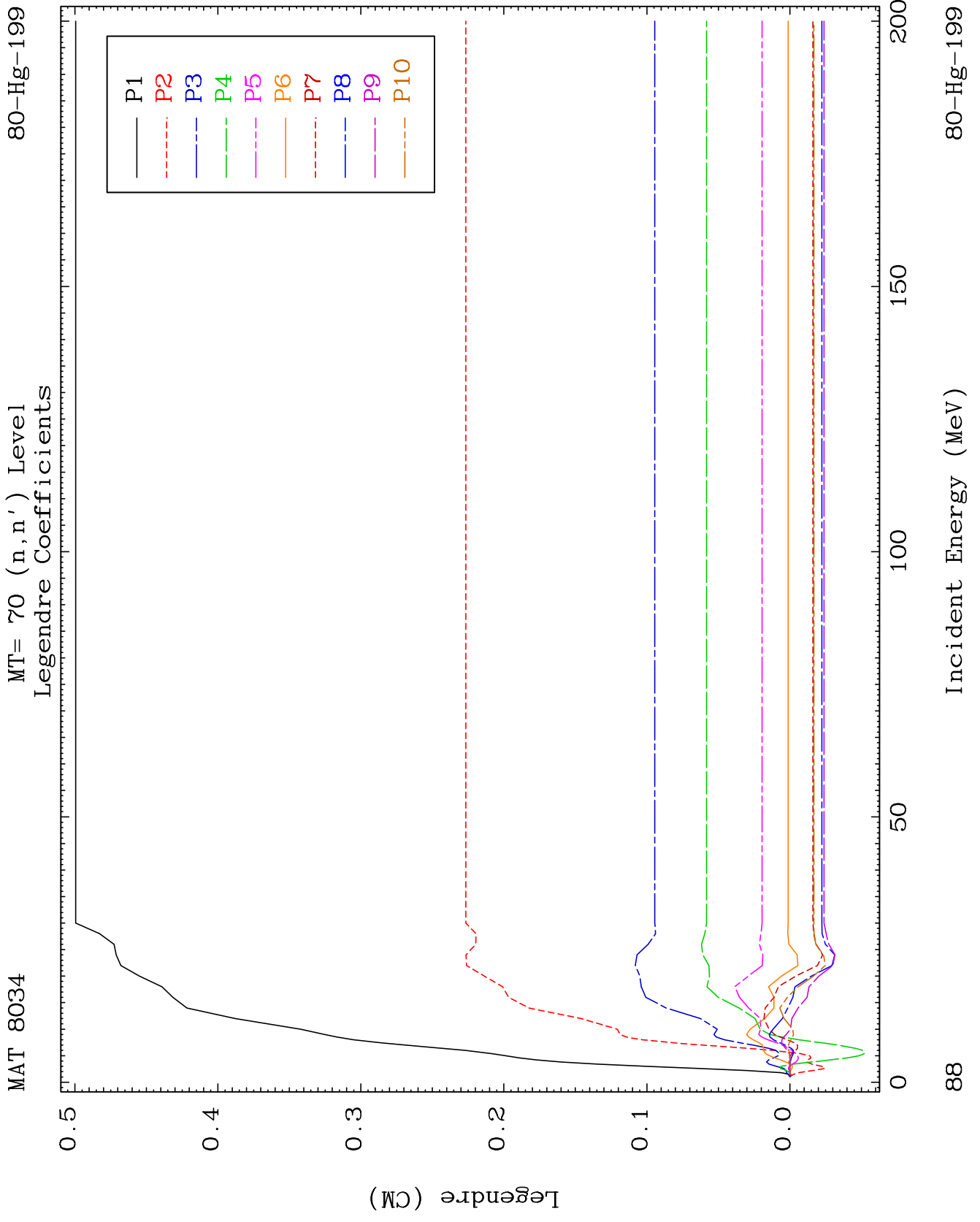
MT= 68 (n,n') Level
Legendre Coefficients

80-Hg-199





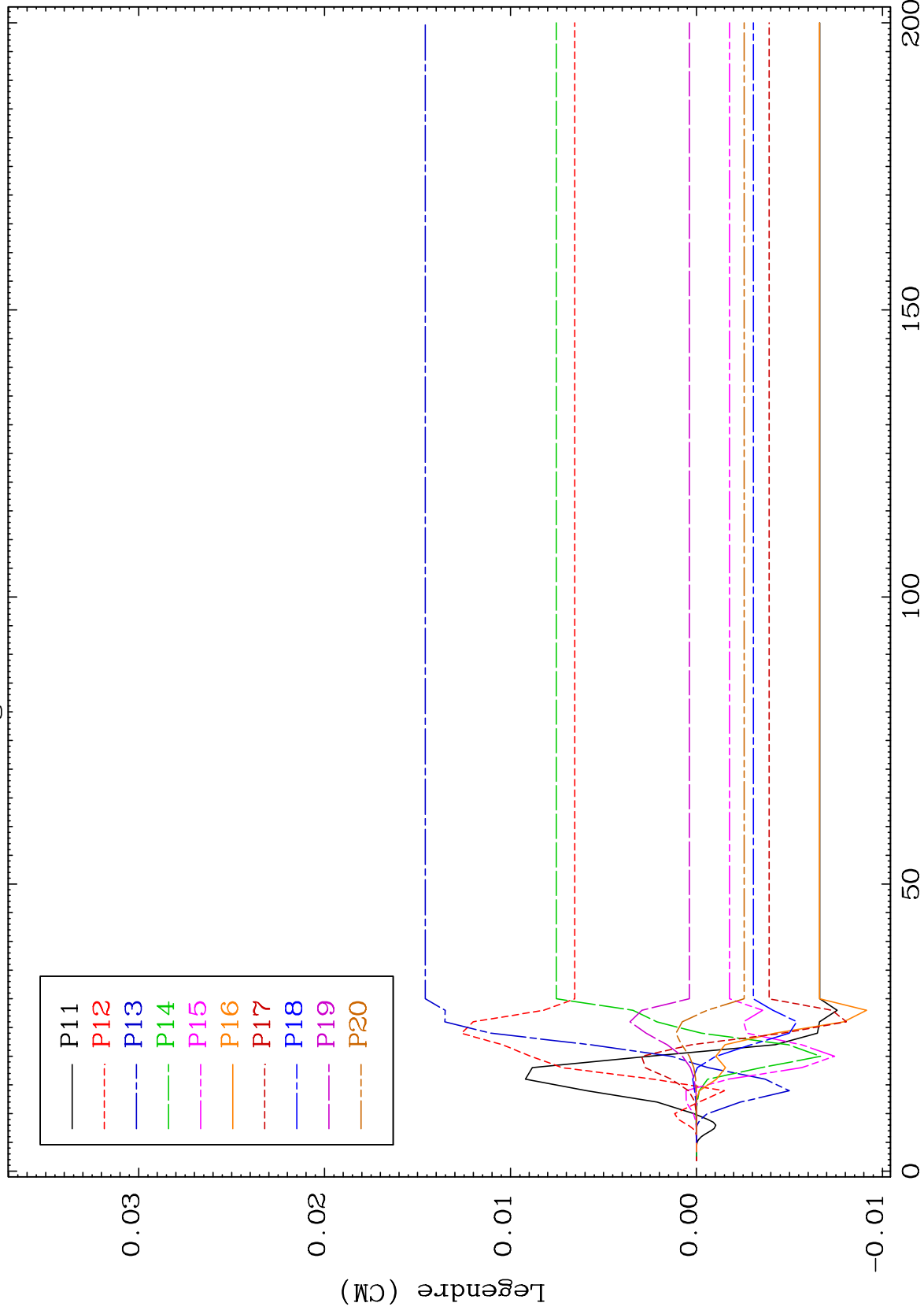




MAT 8034

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

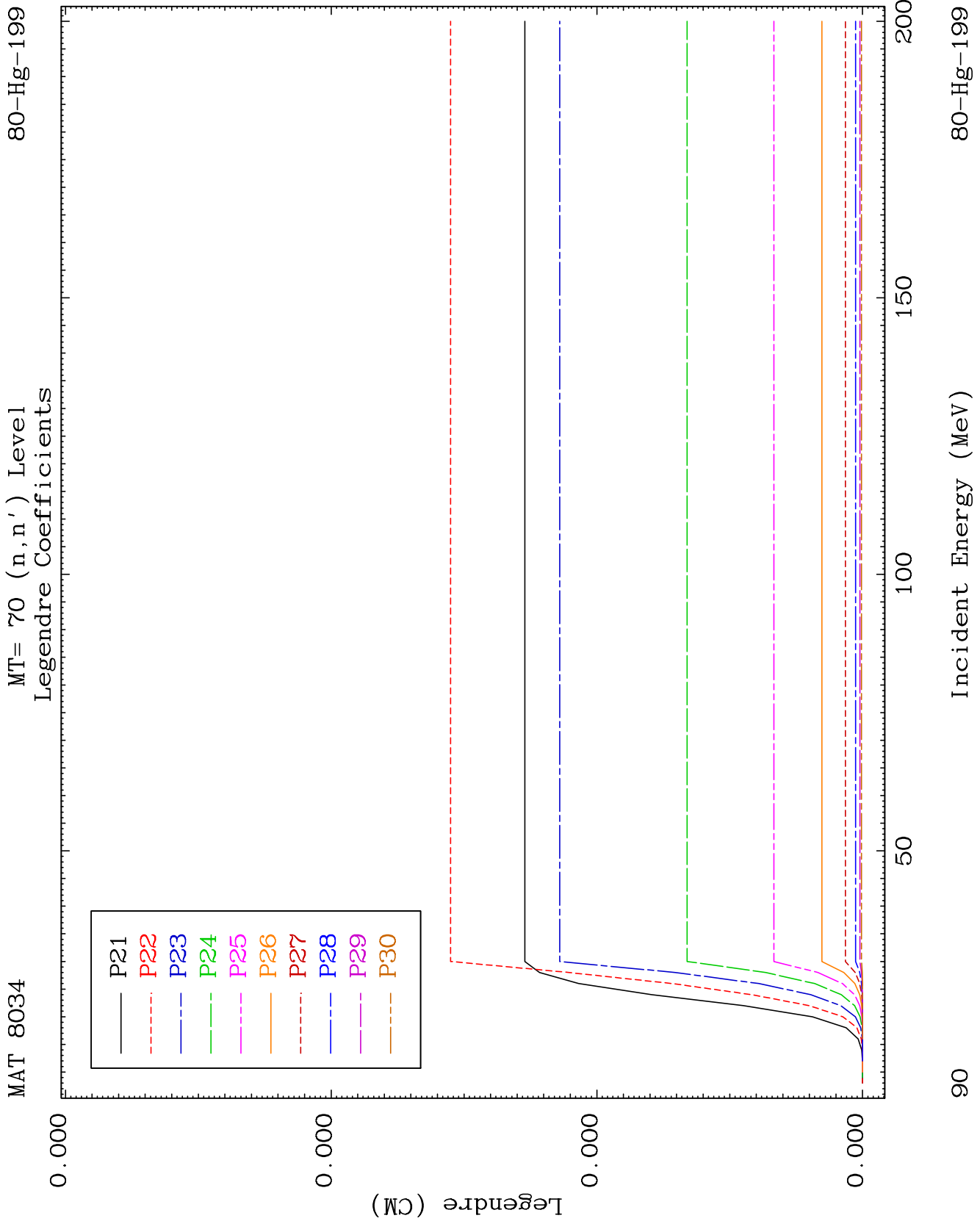
80-Hg-199



89

Incident Energy (MeV)

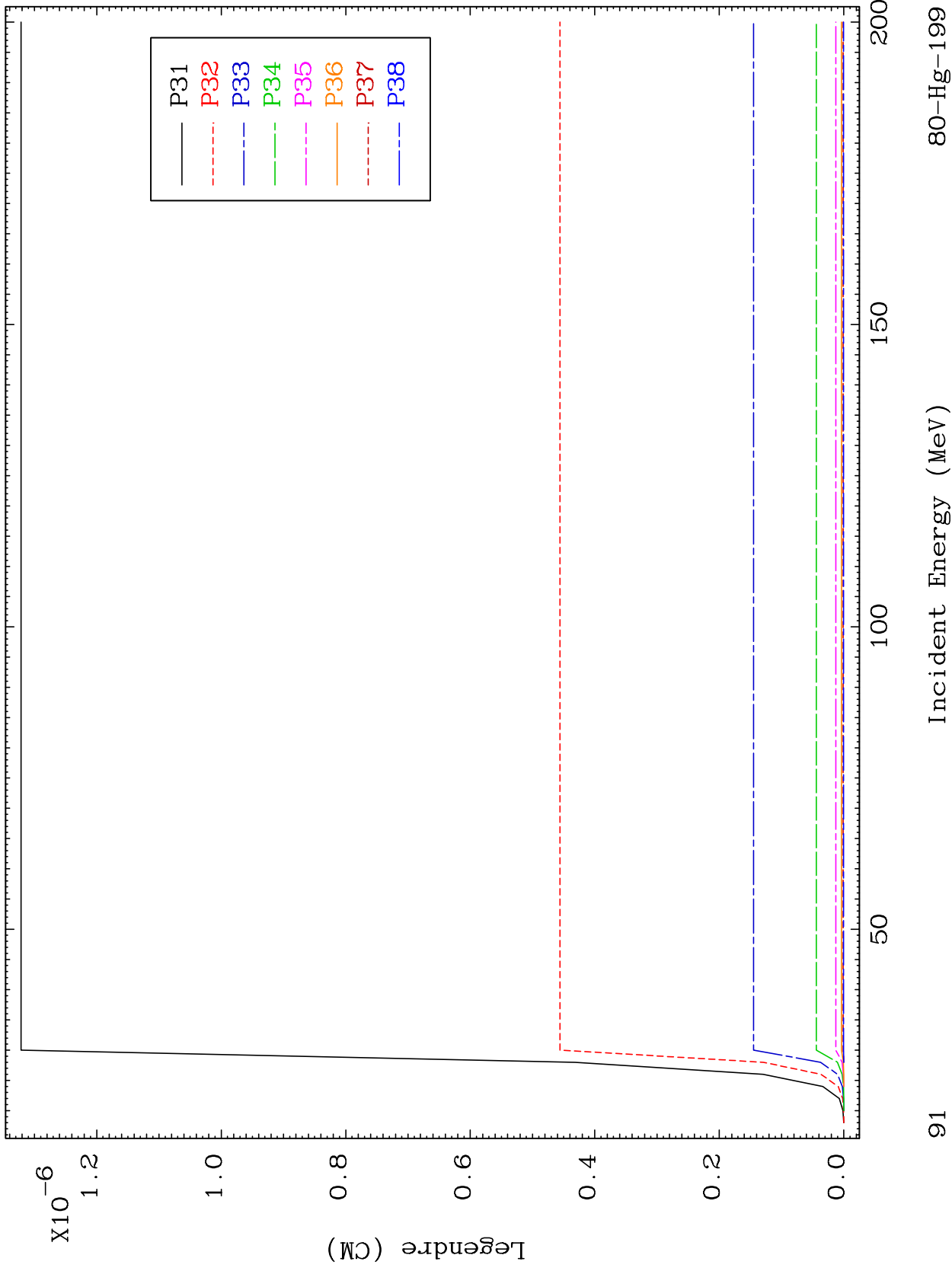
80-Hg-199

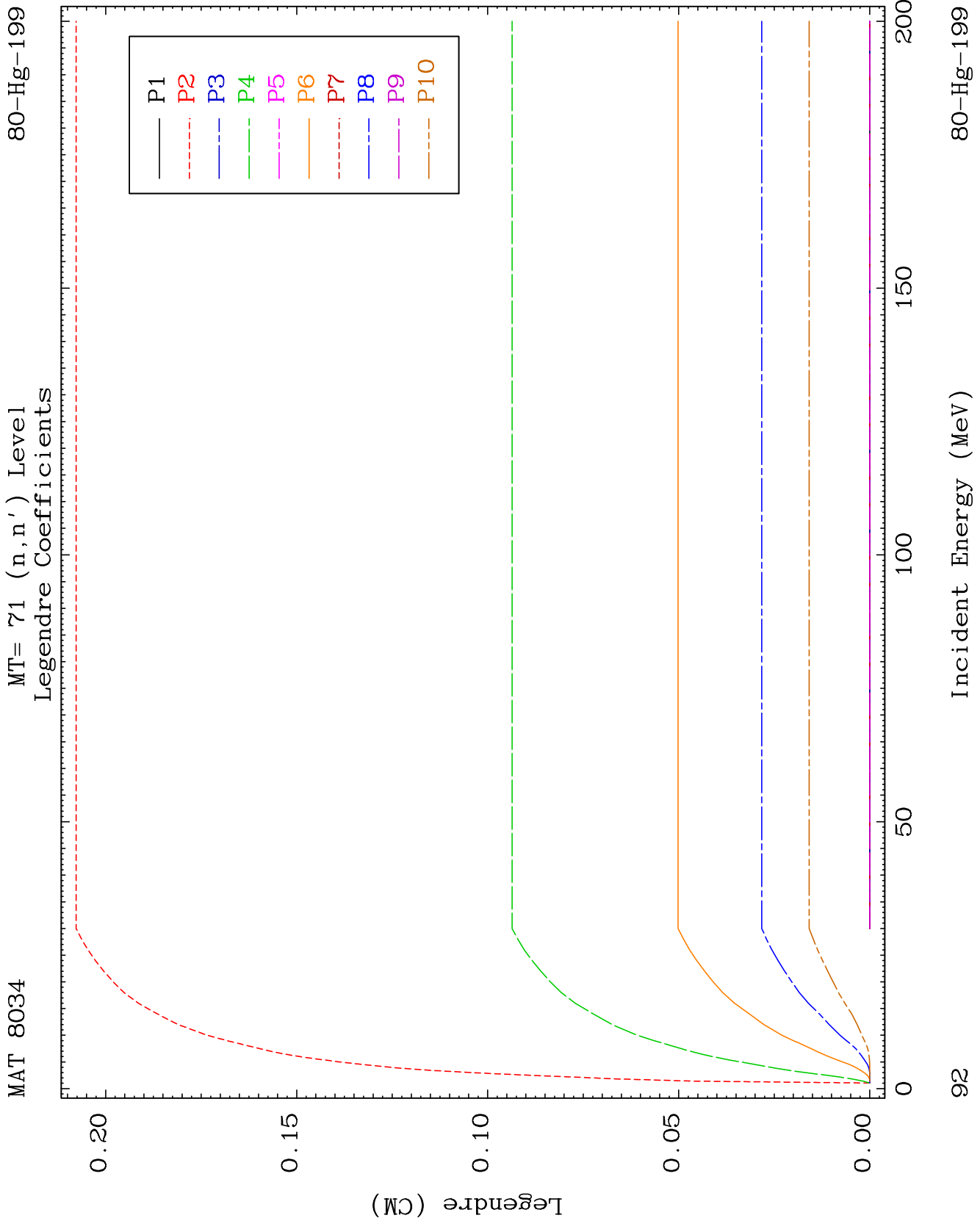


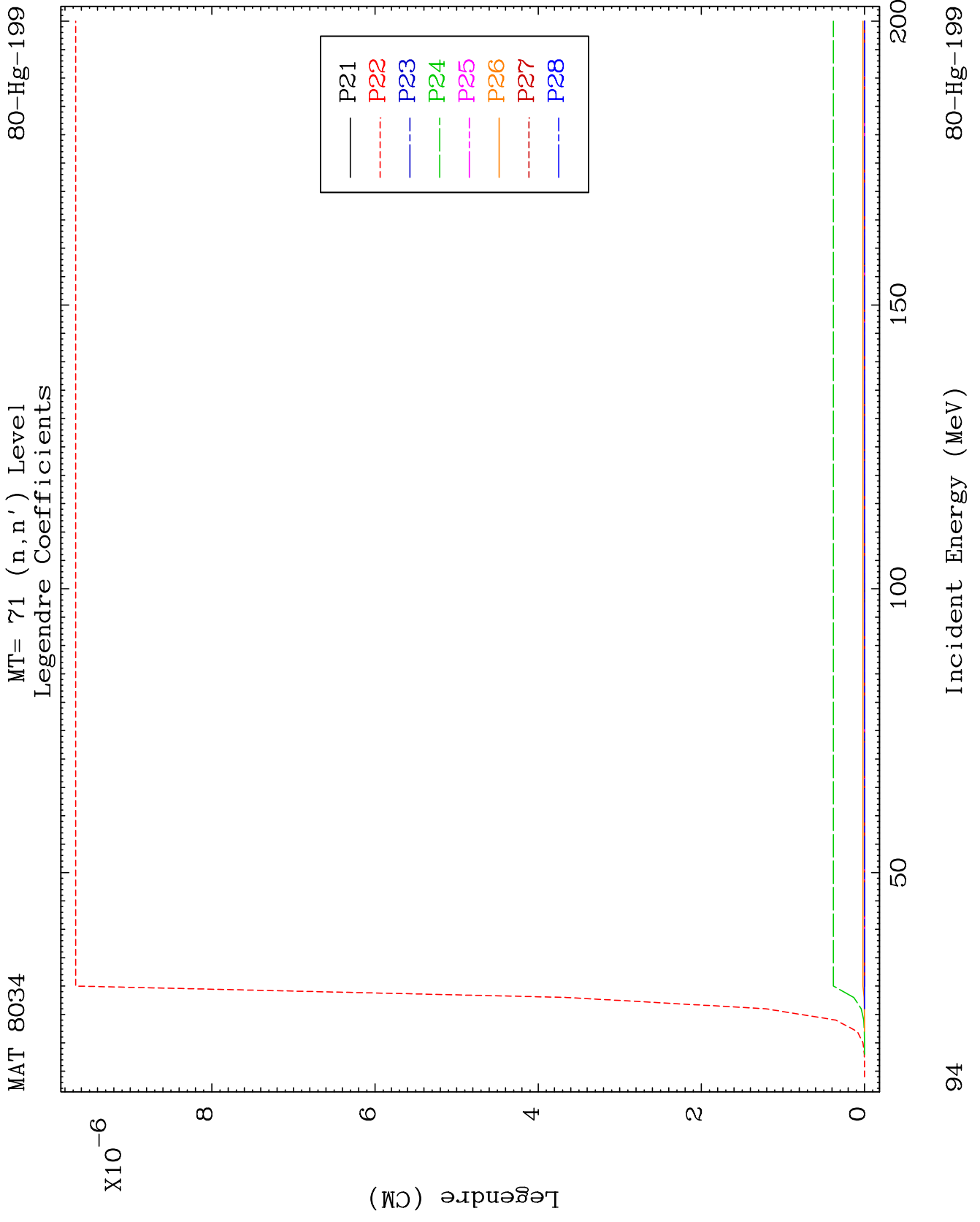
MAT 8034

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

80-Hg-199



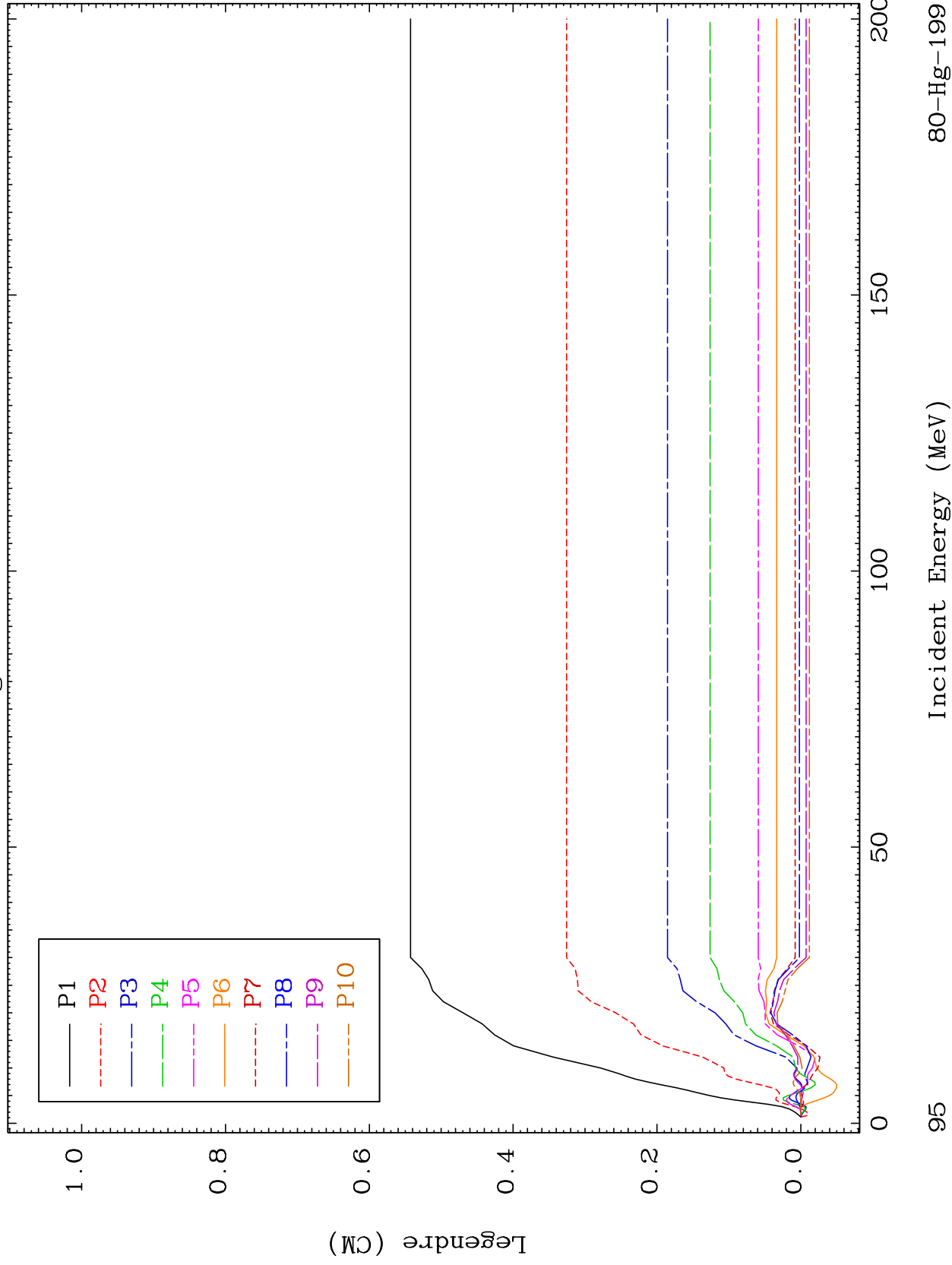




MAT 8034

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

80-Hg-199

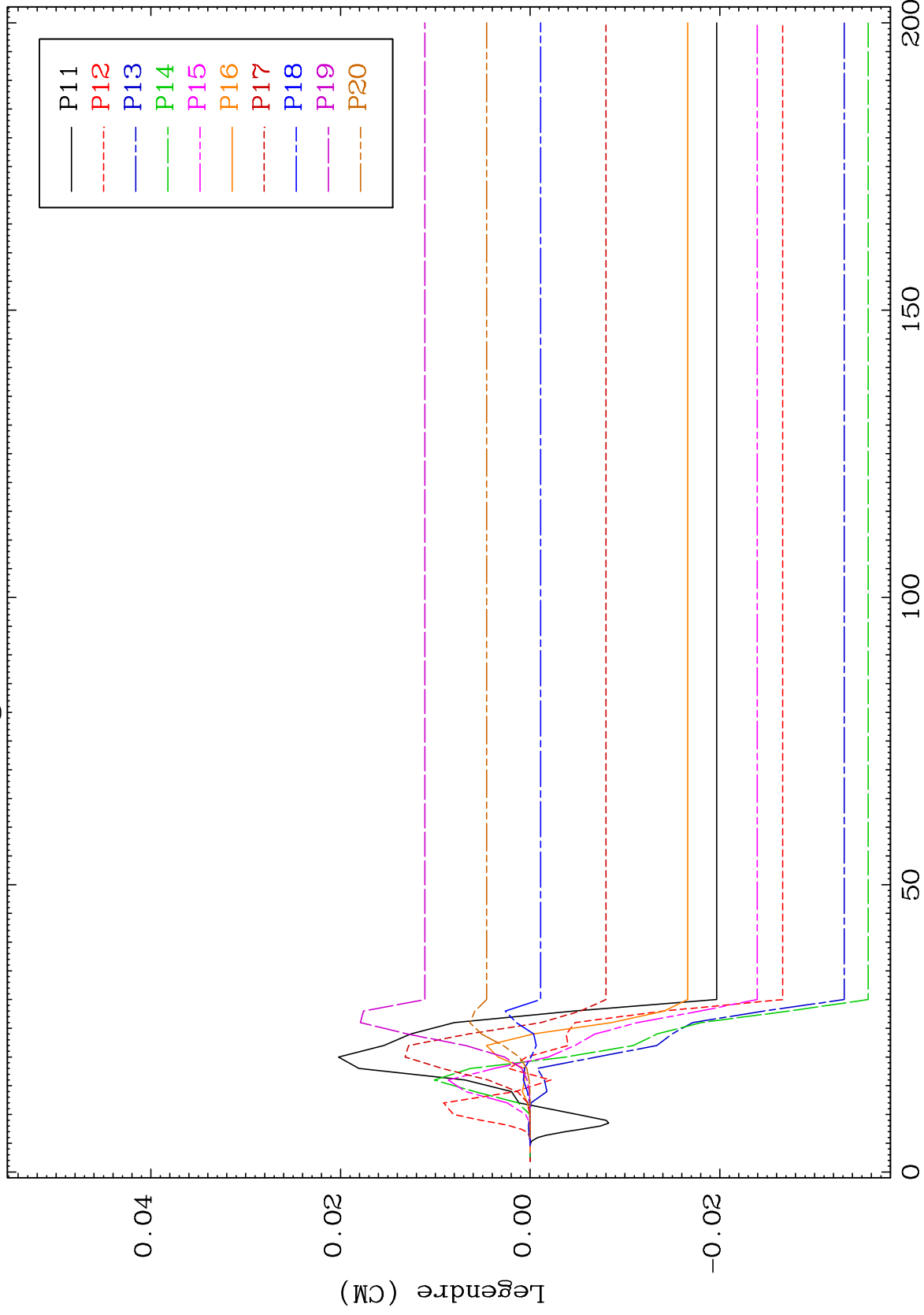


95

MAT 8034

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

80-Hg-199



96

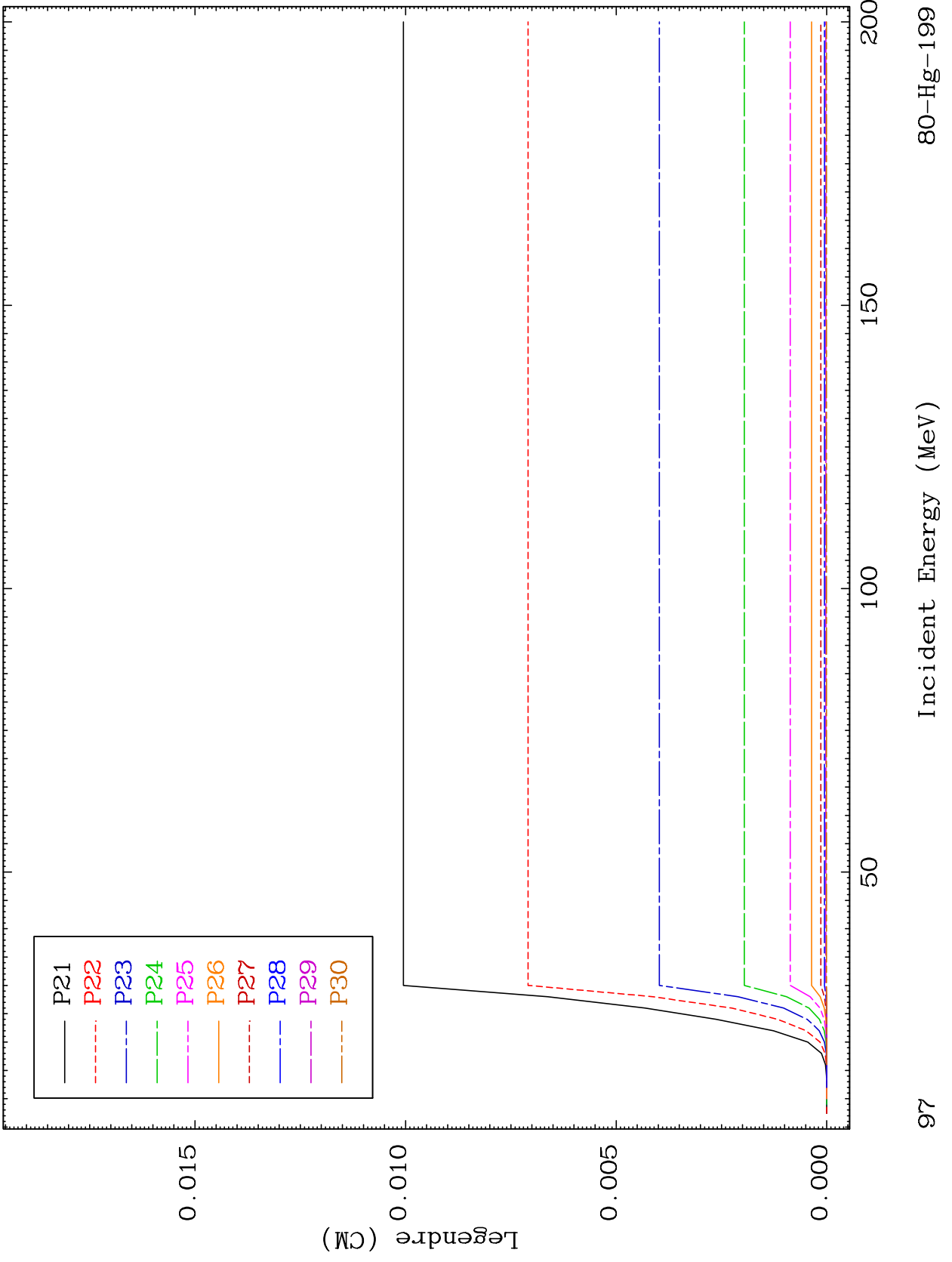
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



97

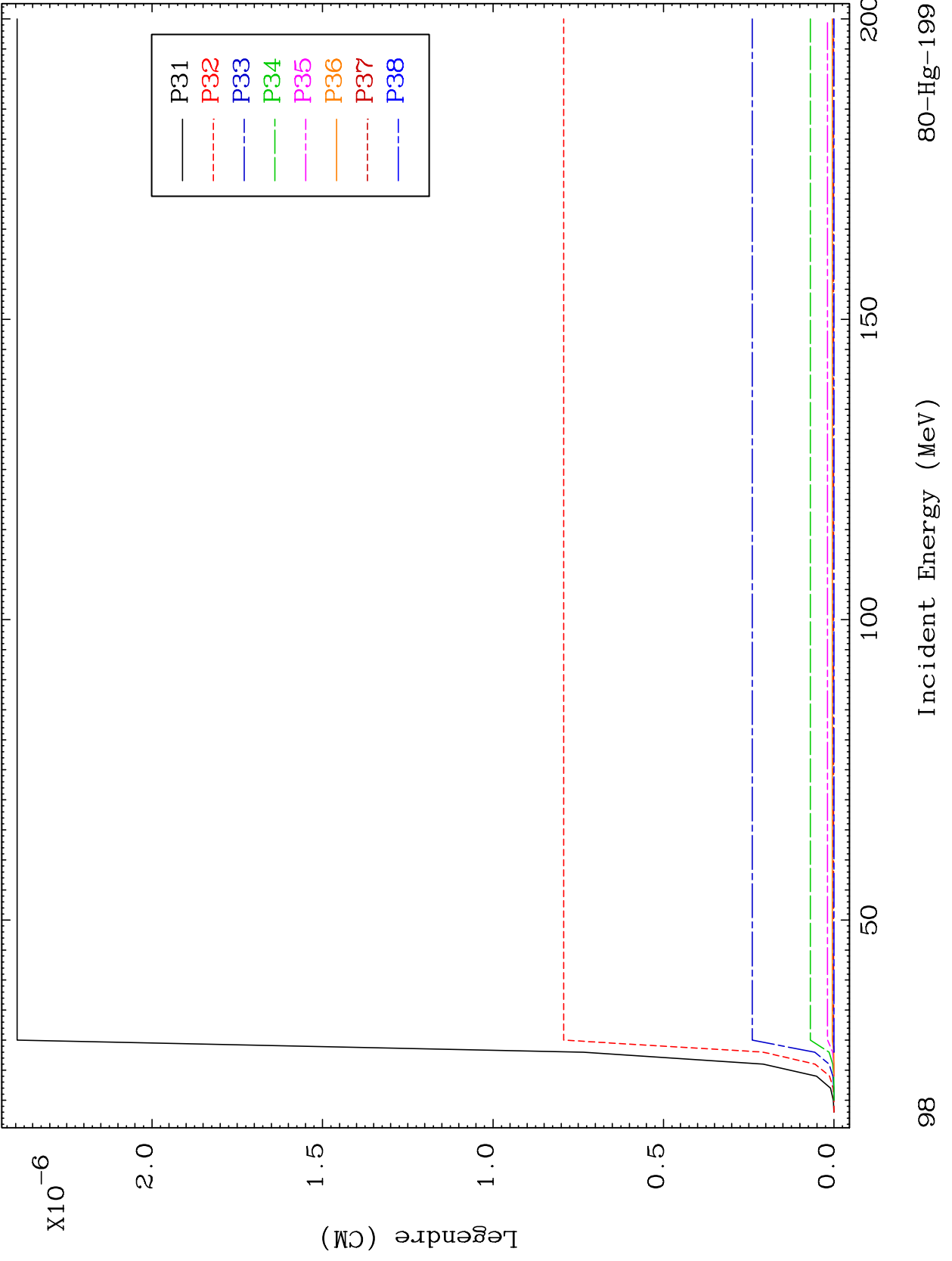
Incident Energy (MeV)

80-Hg-199

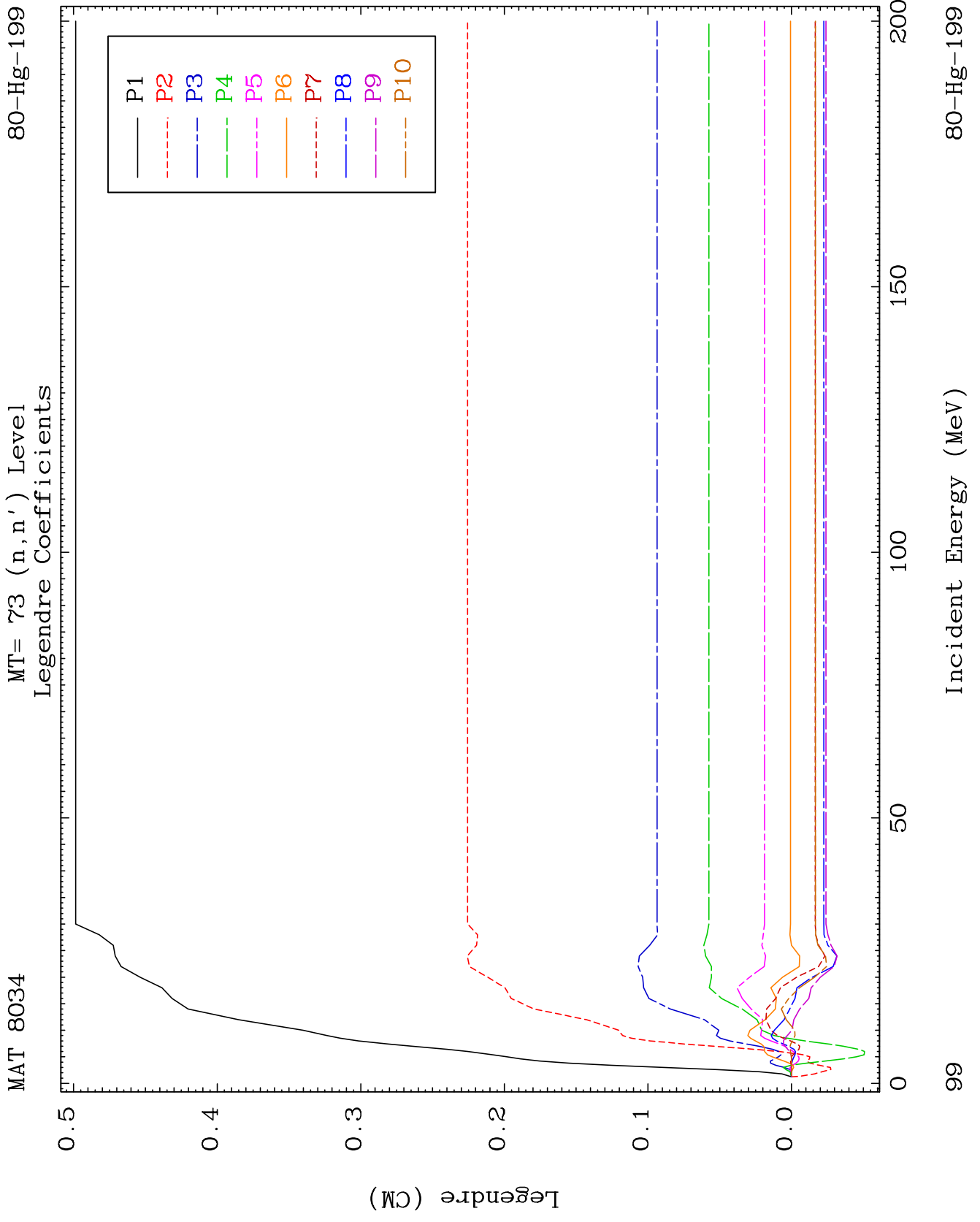
MAT 8034

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

80-Hg-199



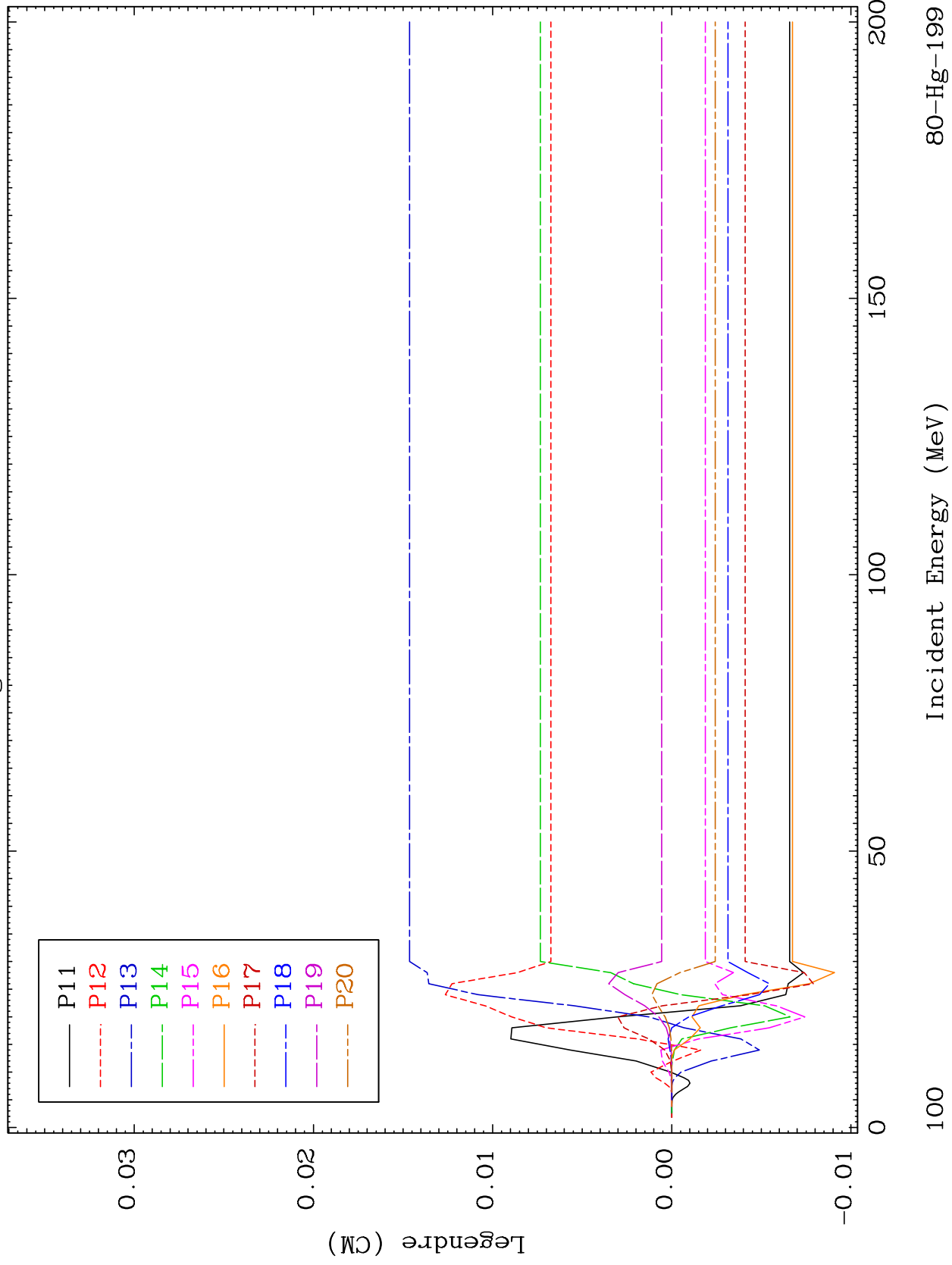
98



MAT 8034

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

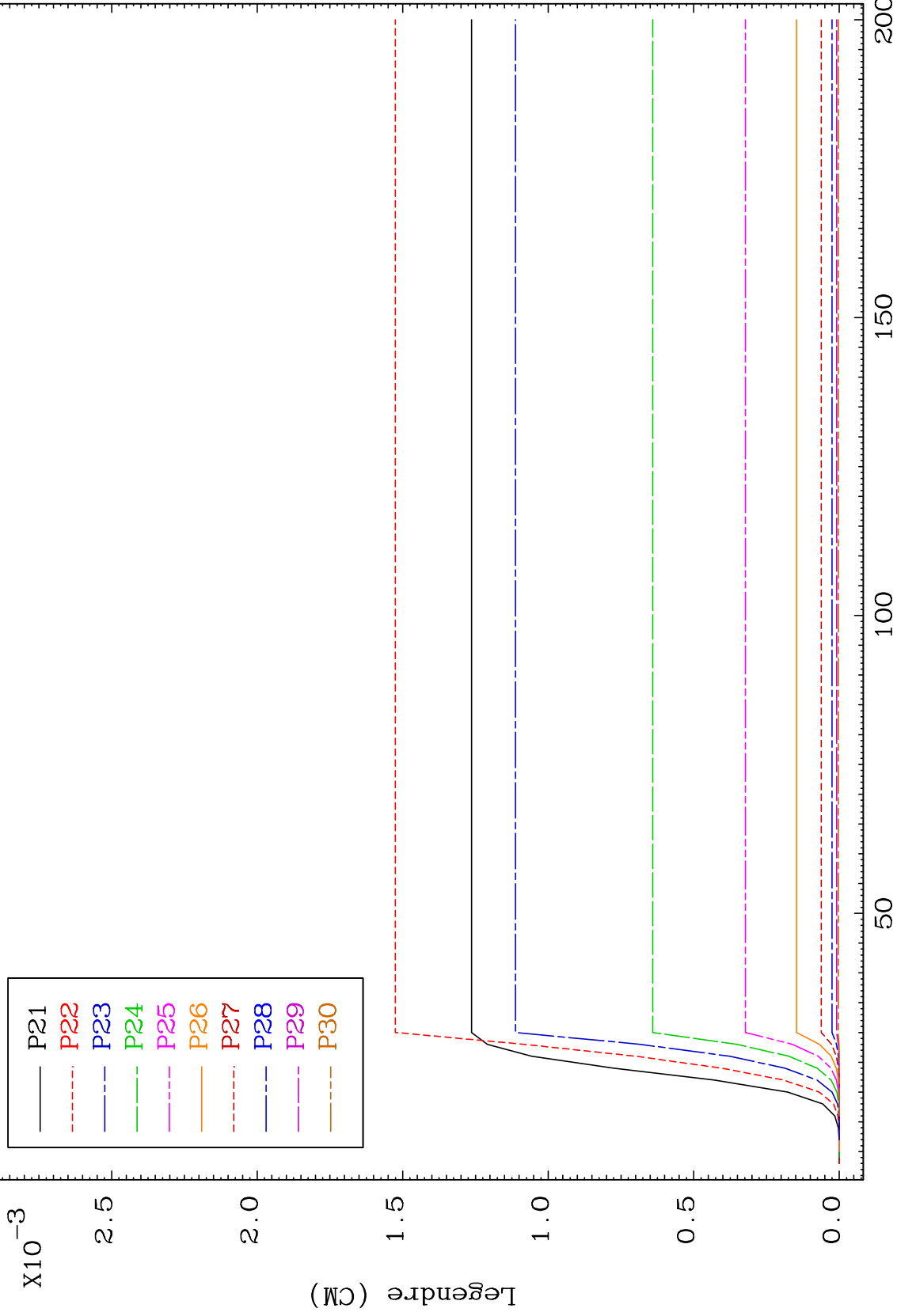
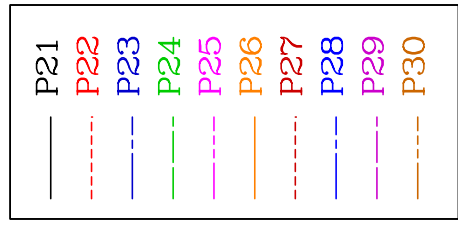
80-Hg-199



MAT 8034

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

80-Hg-199



101

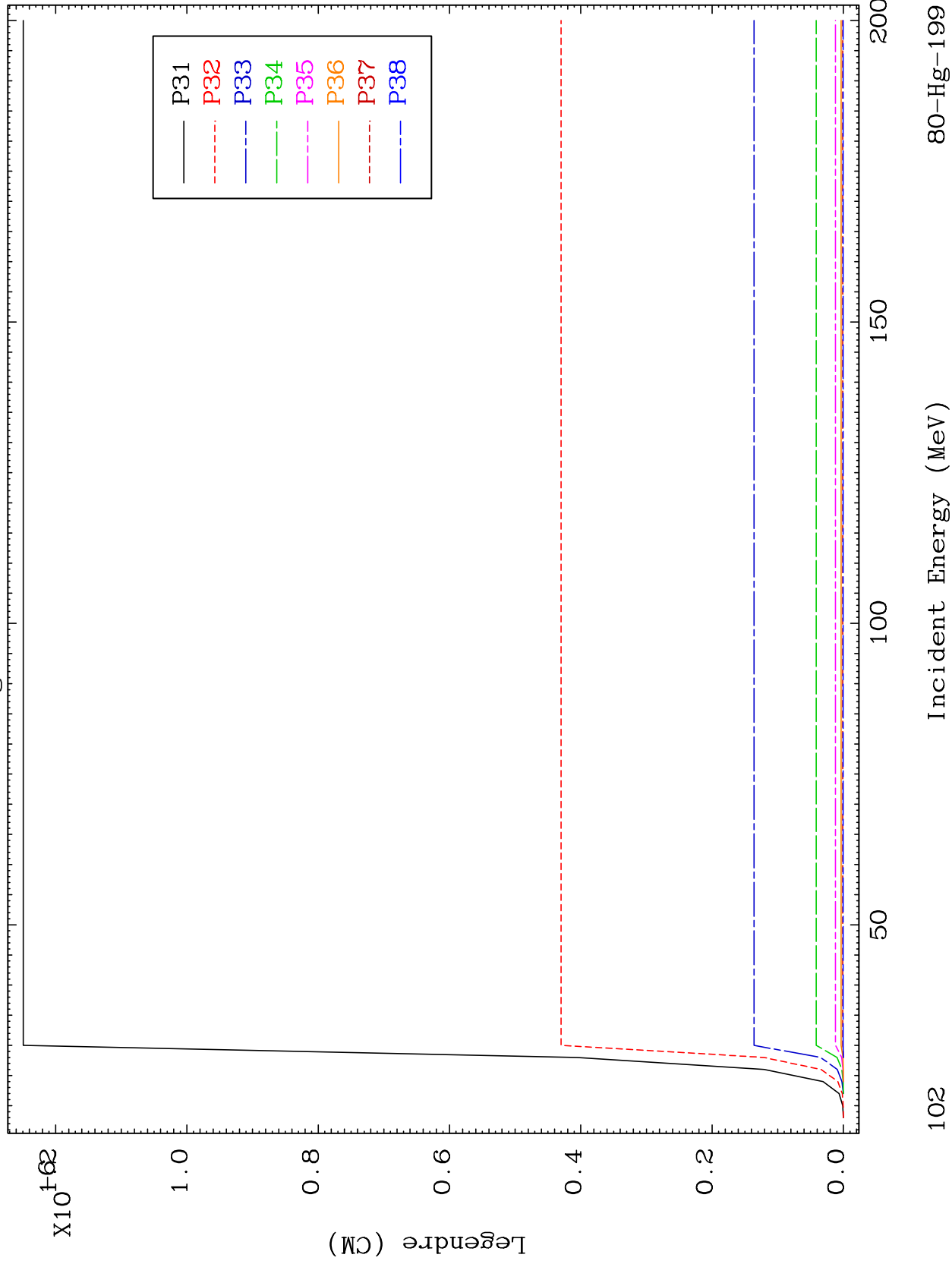
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

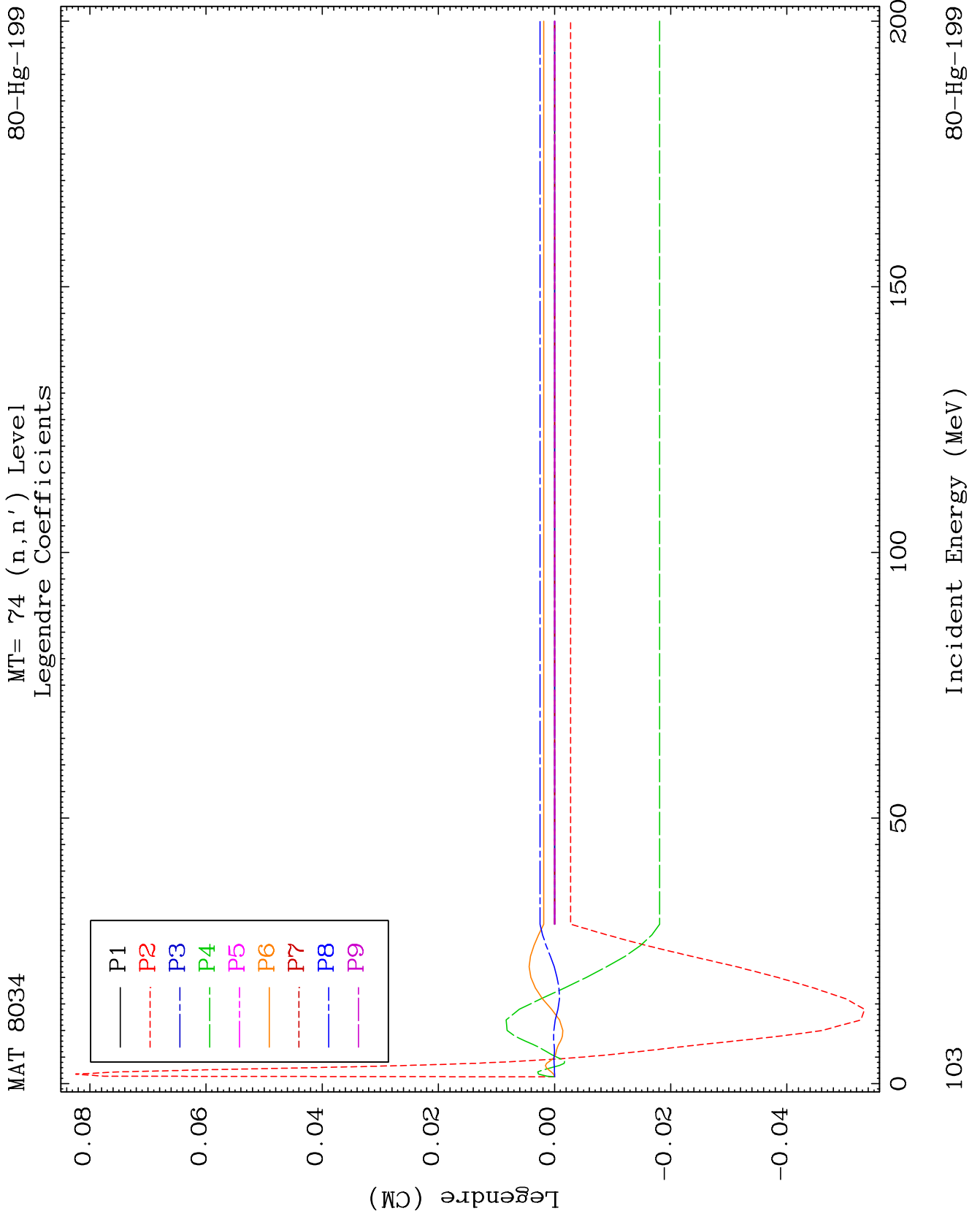
80-Hg-199



102

Incident Energy (MeV)

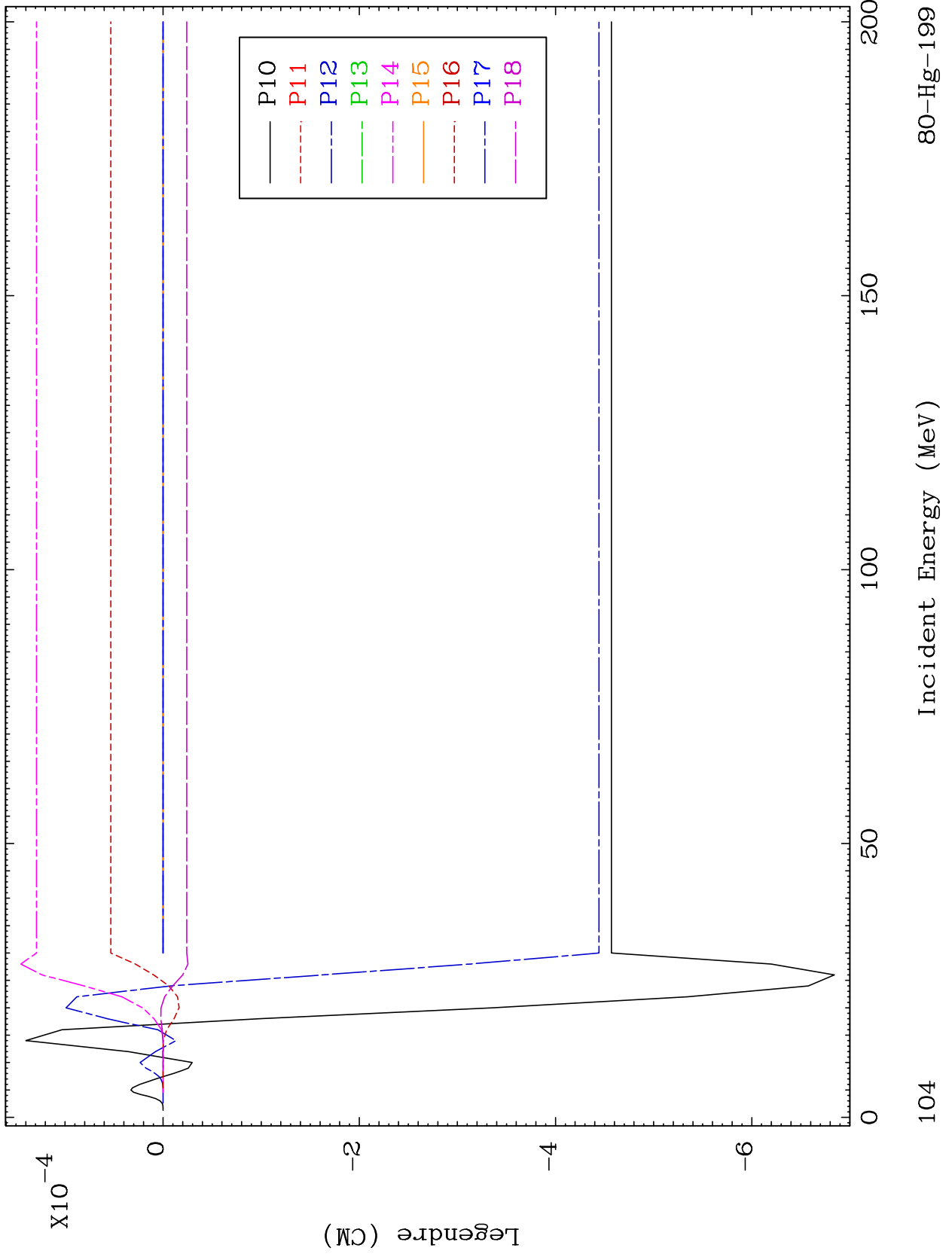
80-Hg-199



MAT 8034

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

80-Hg-199



80-Hg-199

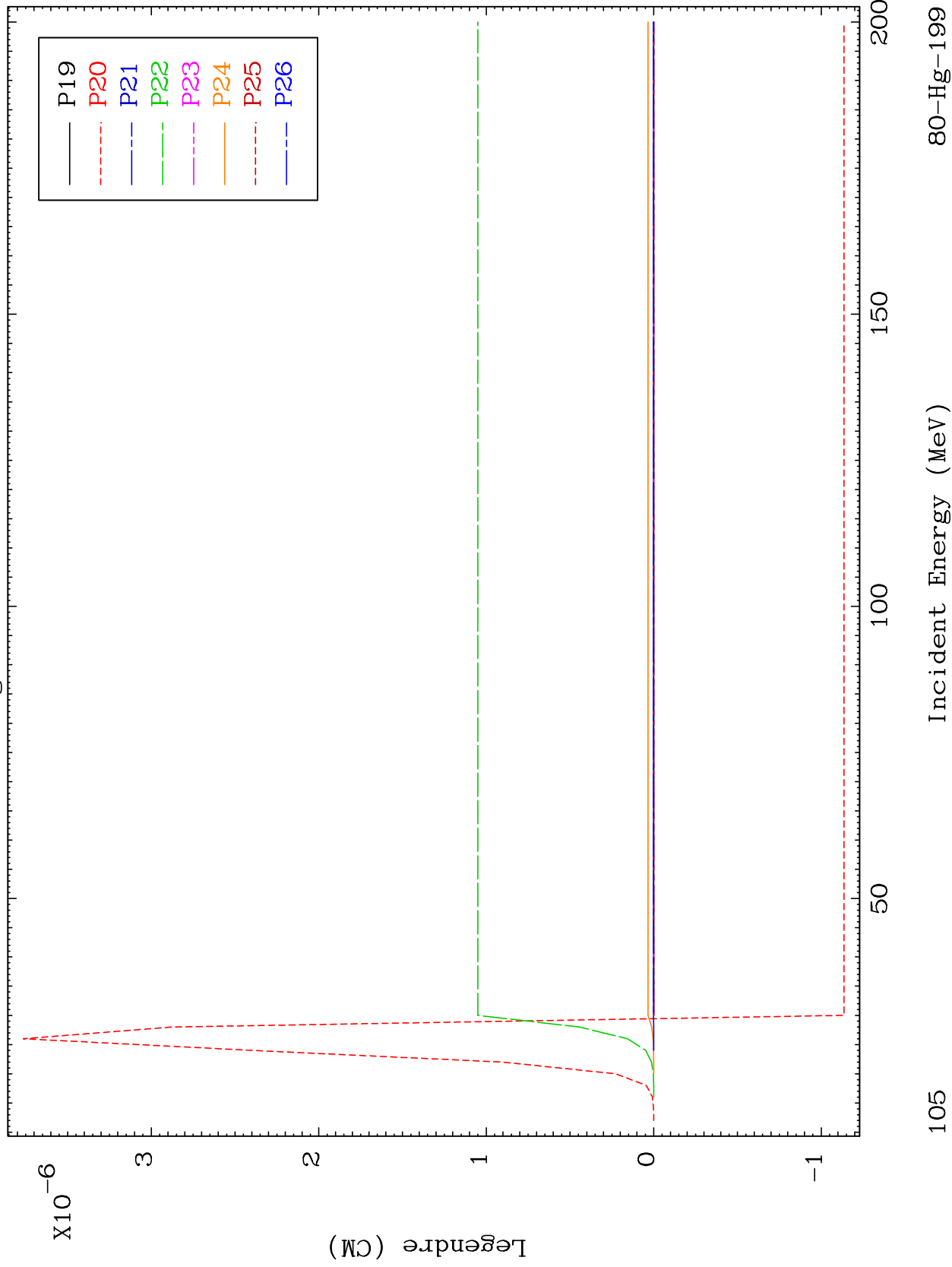
Incident Energy (MeV)

104

MAT 8034

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

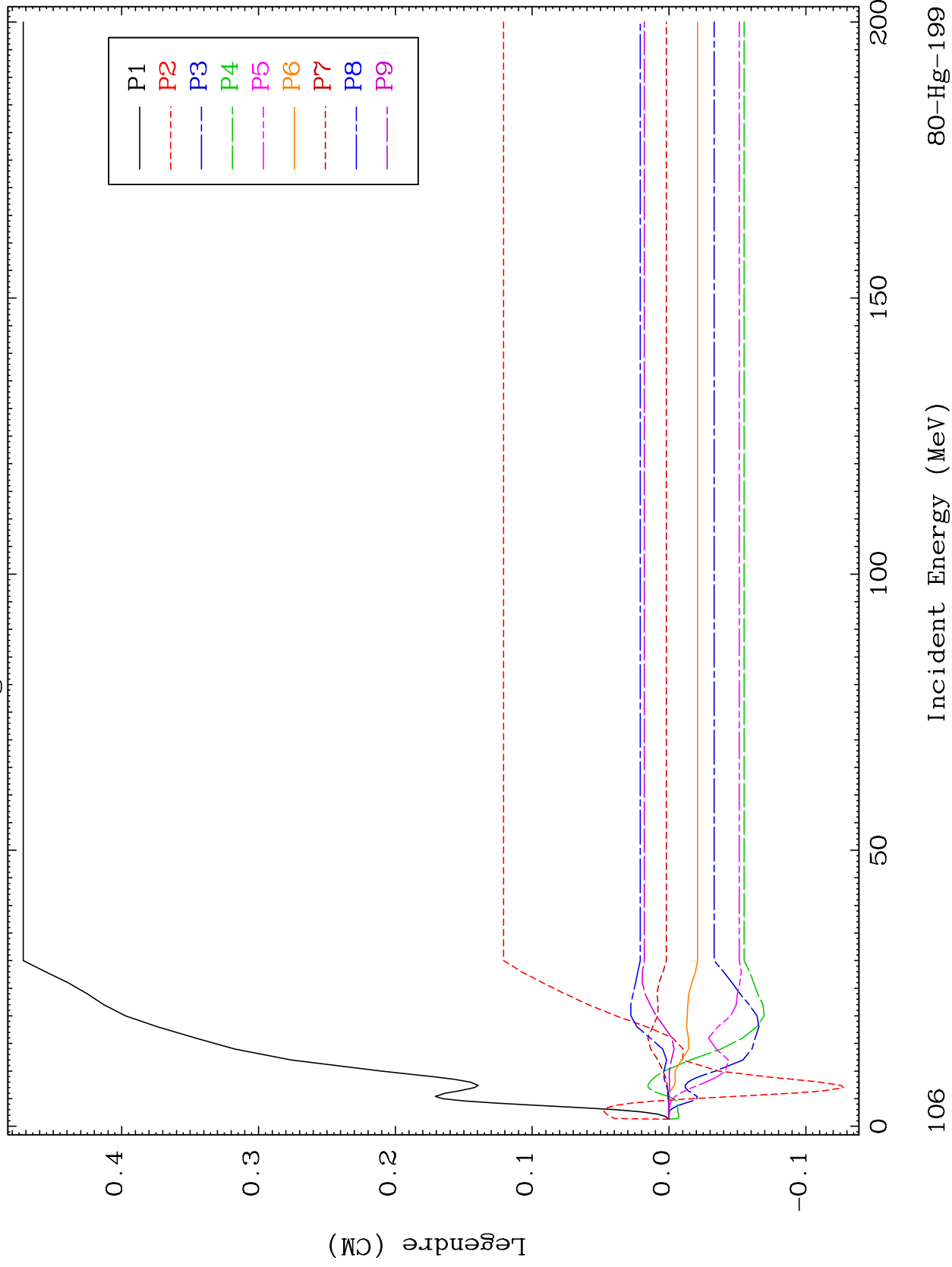
80-Hg-199



MAT 8034

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

80-Hg-199



80-Hg-199

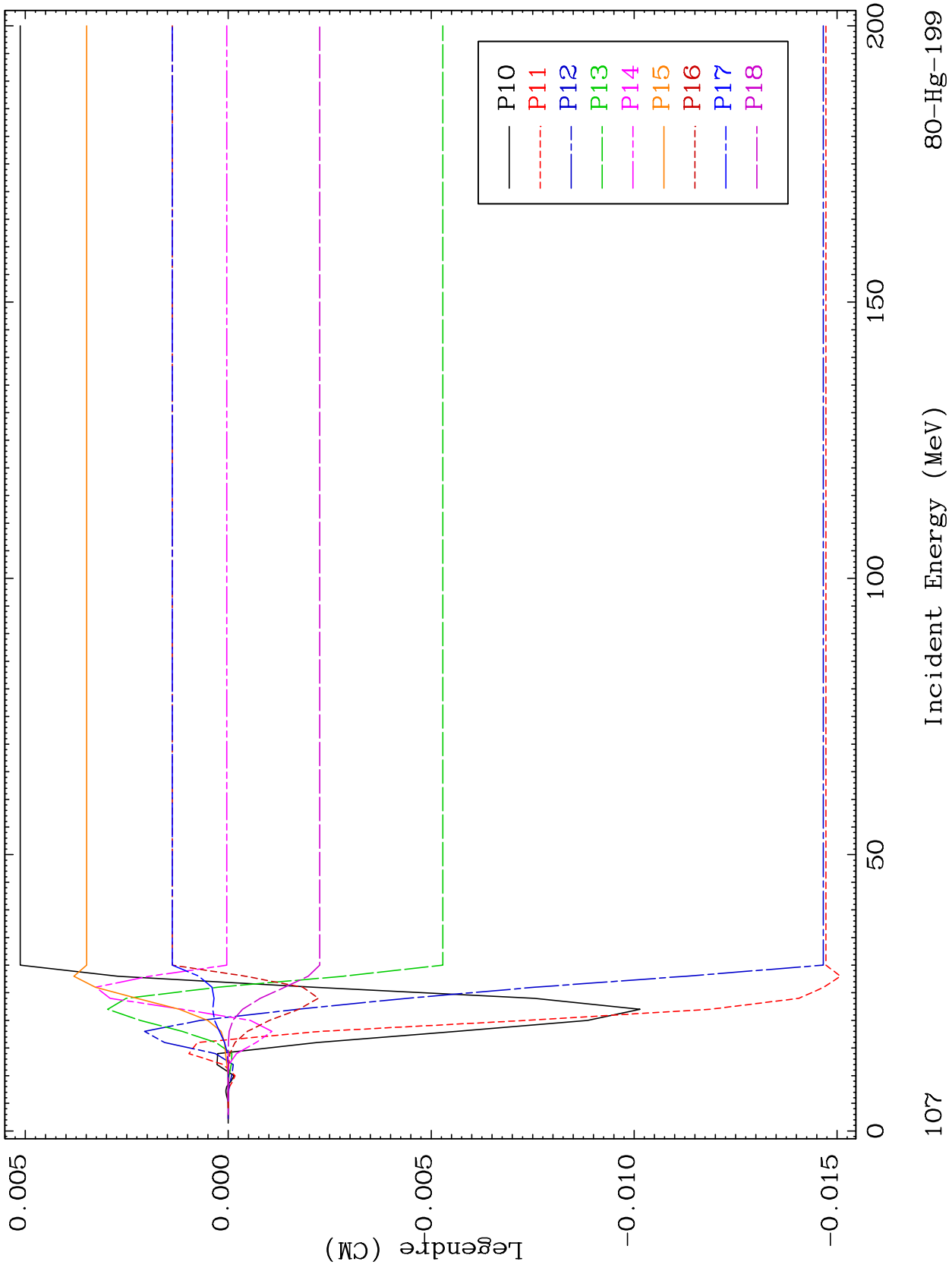
Incident Energy (MeV)

106

MAT 8034

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

80-Hg-199



107

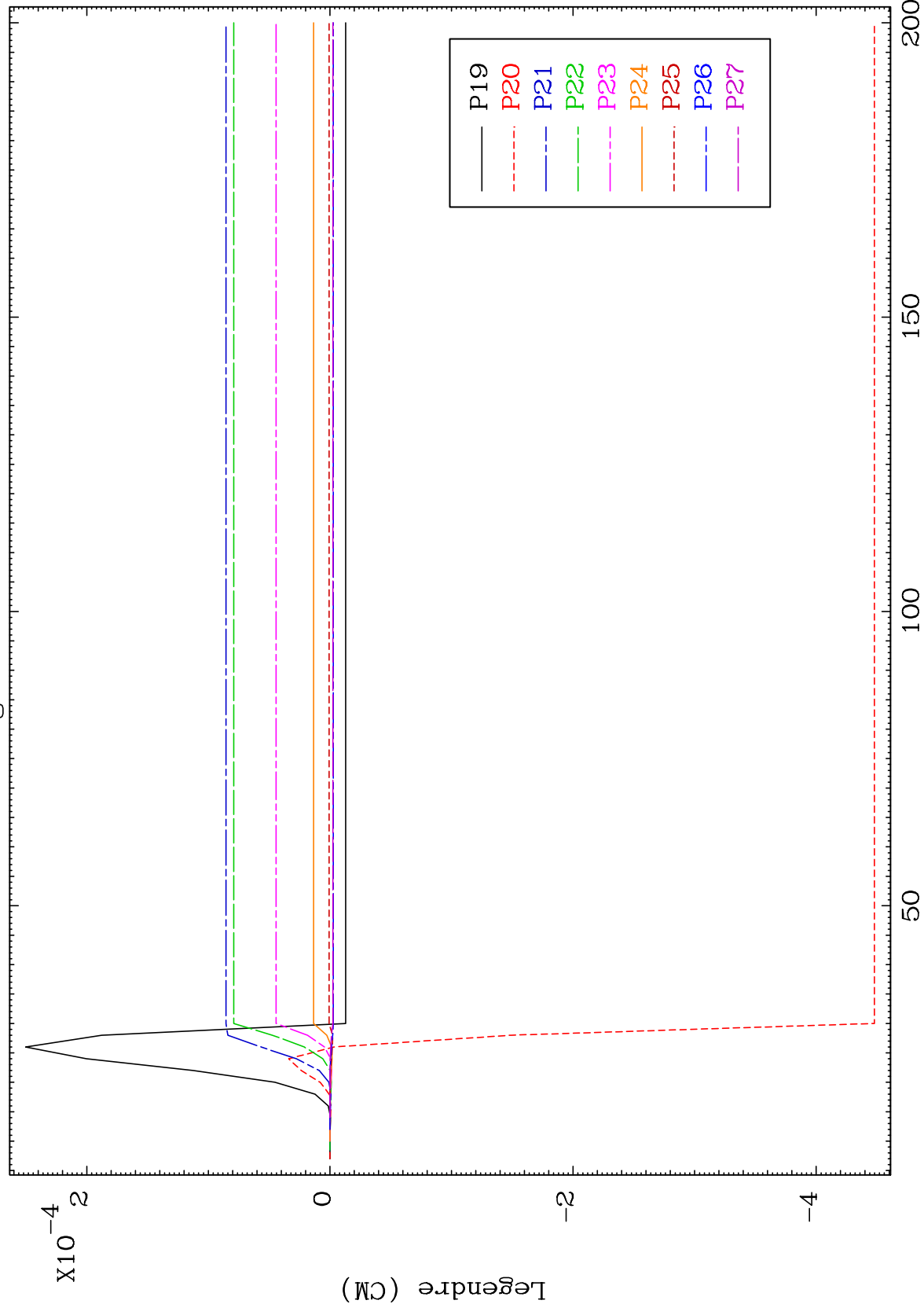
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

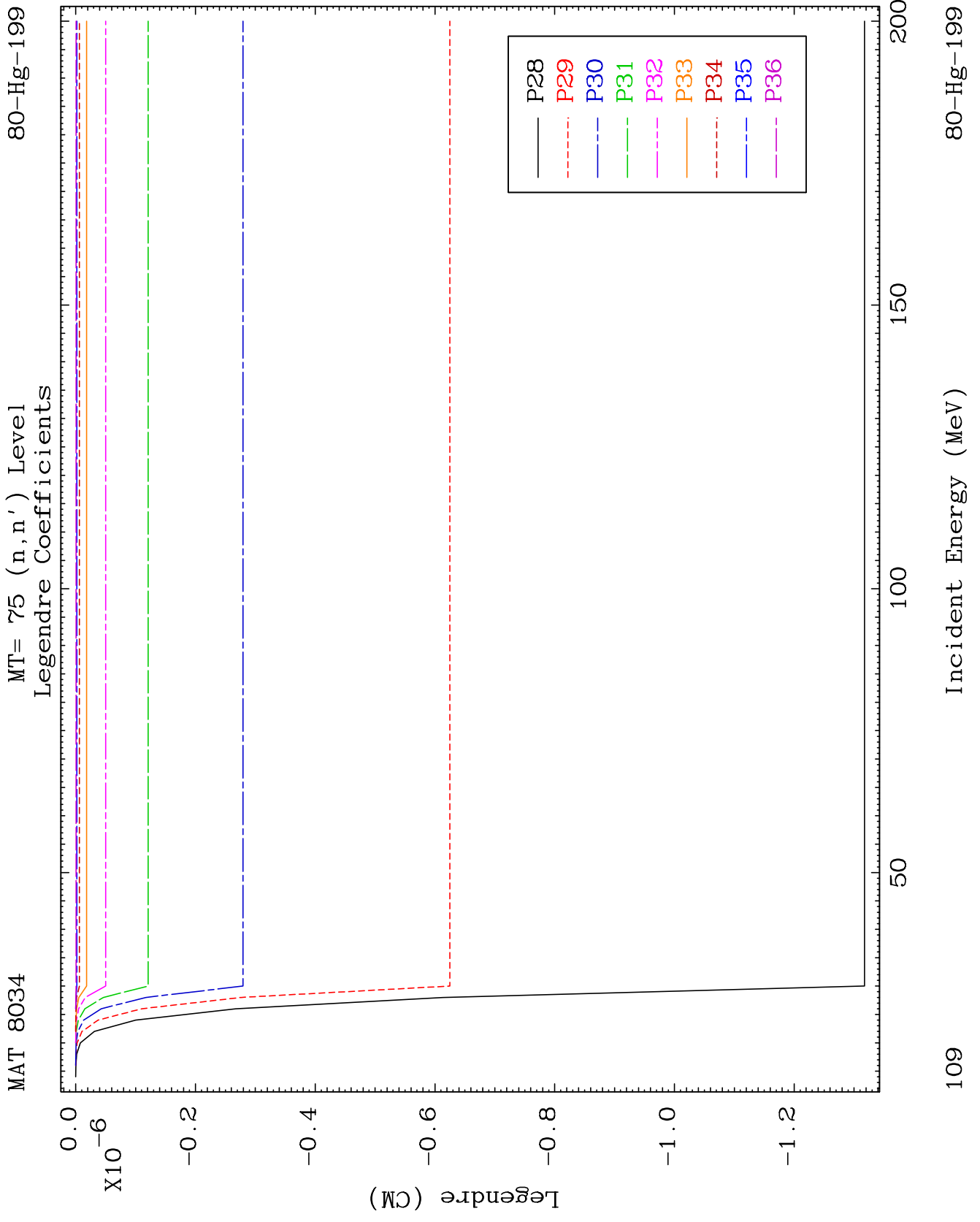
80-Hg-199



108

Incident Energy (MeV)

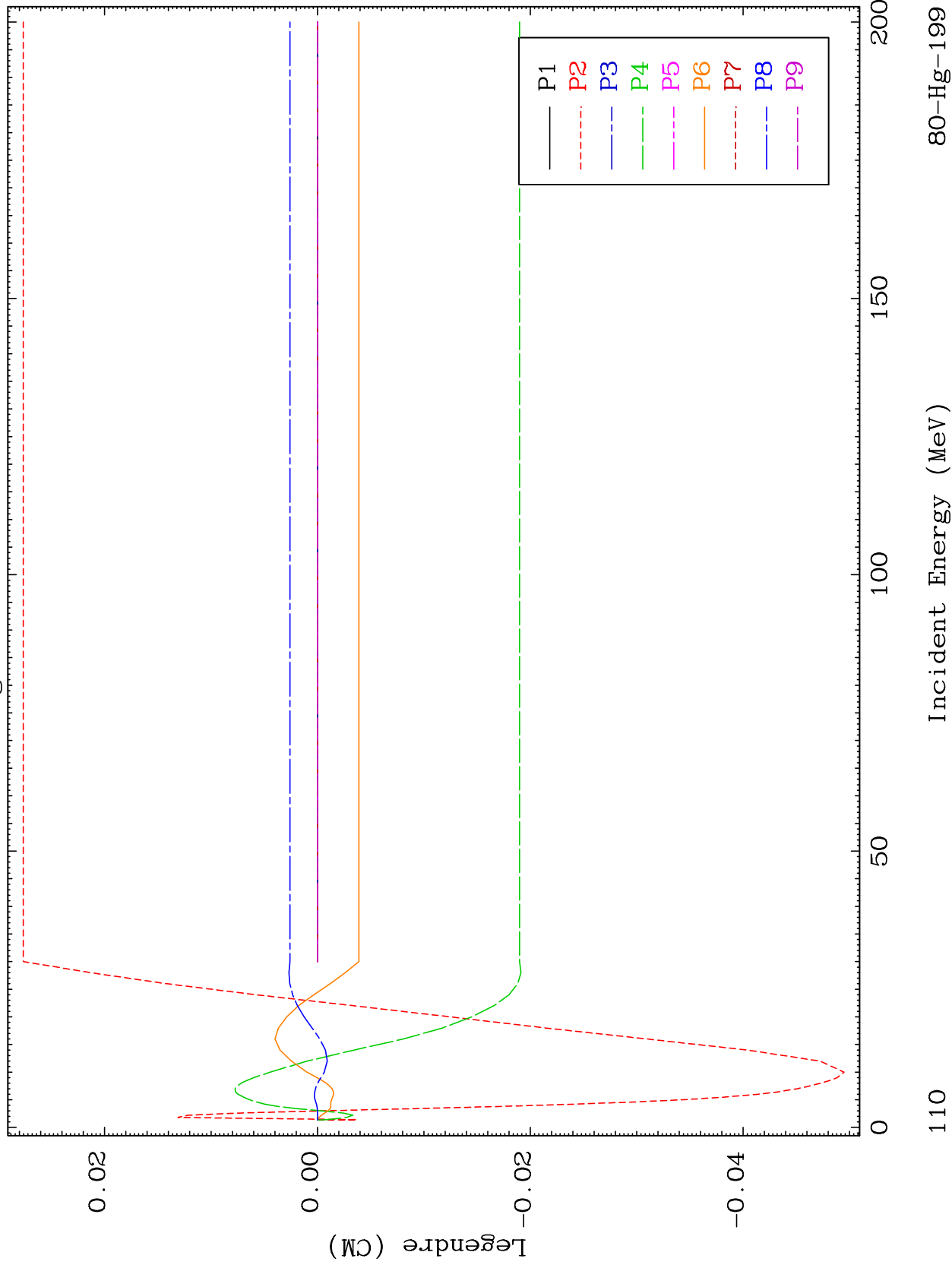
80-Hg-199



MAT 8034

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

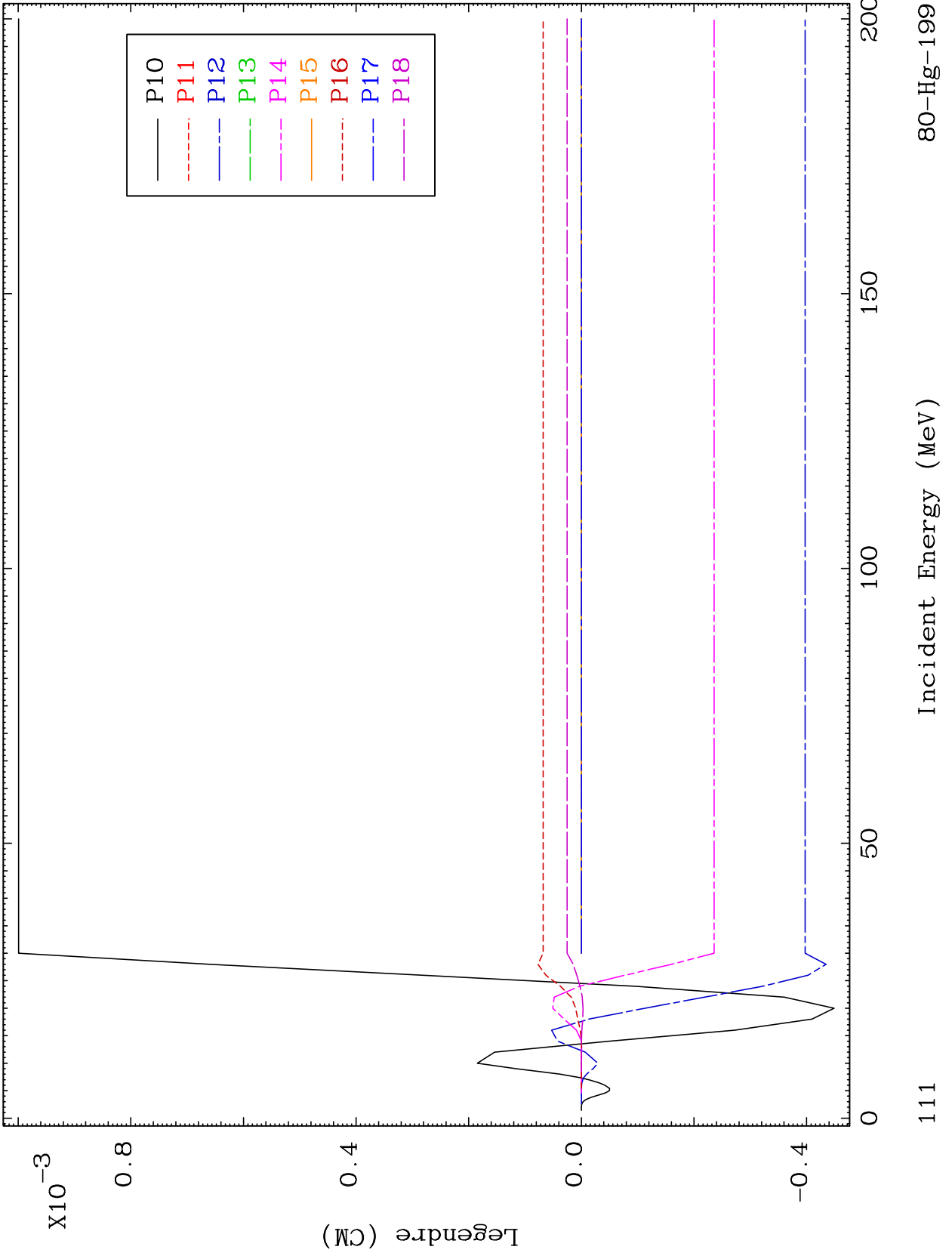
80-Hg-199



MAT 8034

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

80-Hg-199



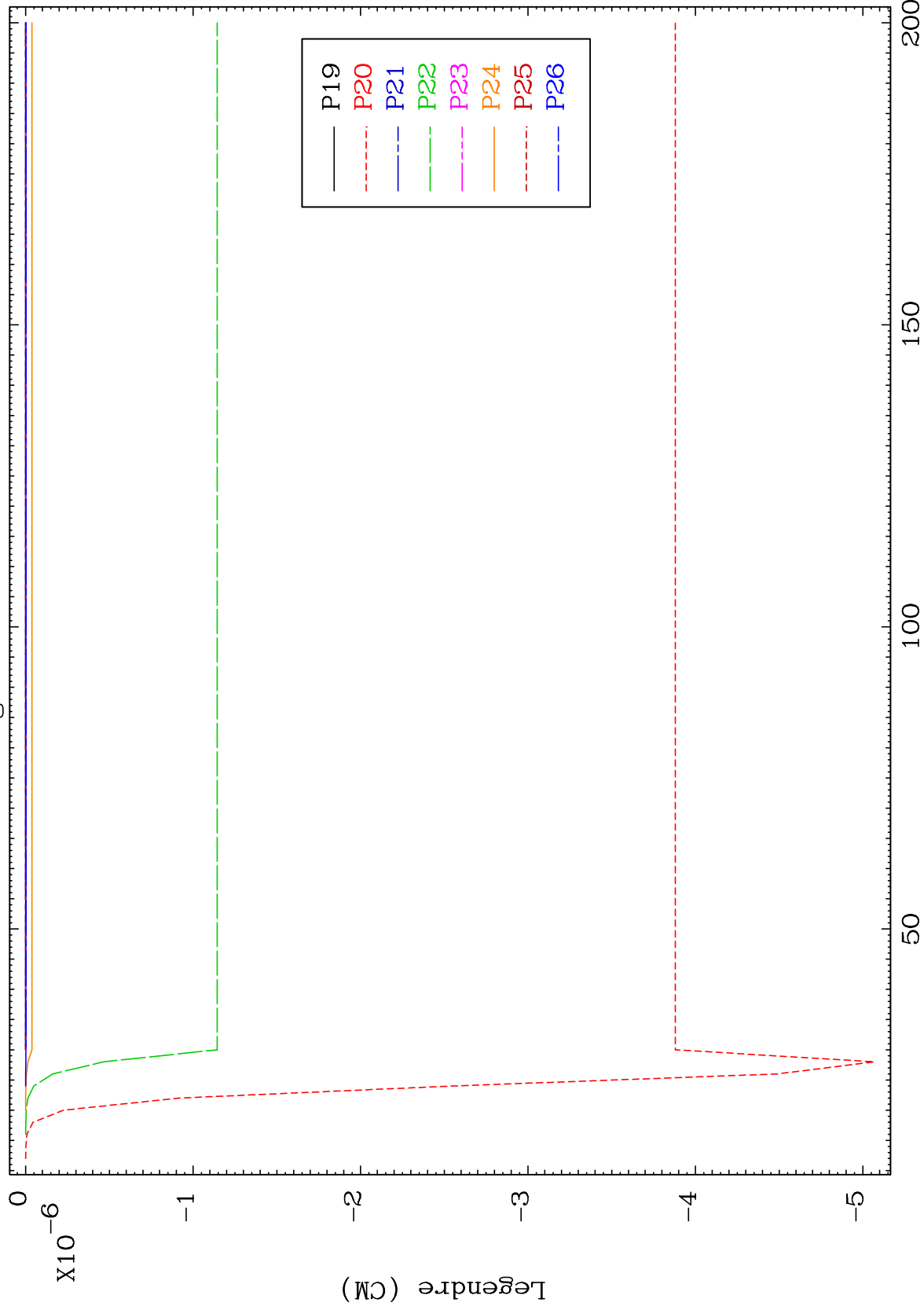
80-Hg-199

MAT 8034

MT= 76 (n,n') Level

80-Hg-199

Legendre Coefficients



80-Hg-199

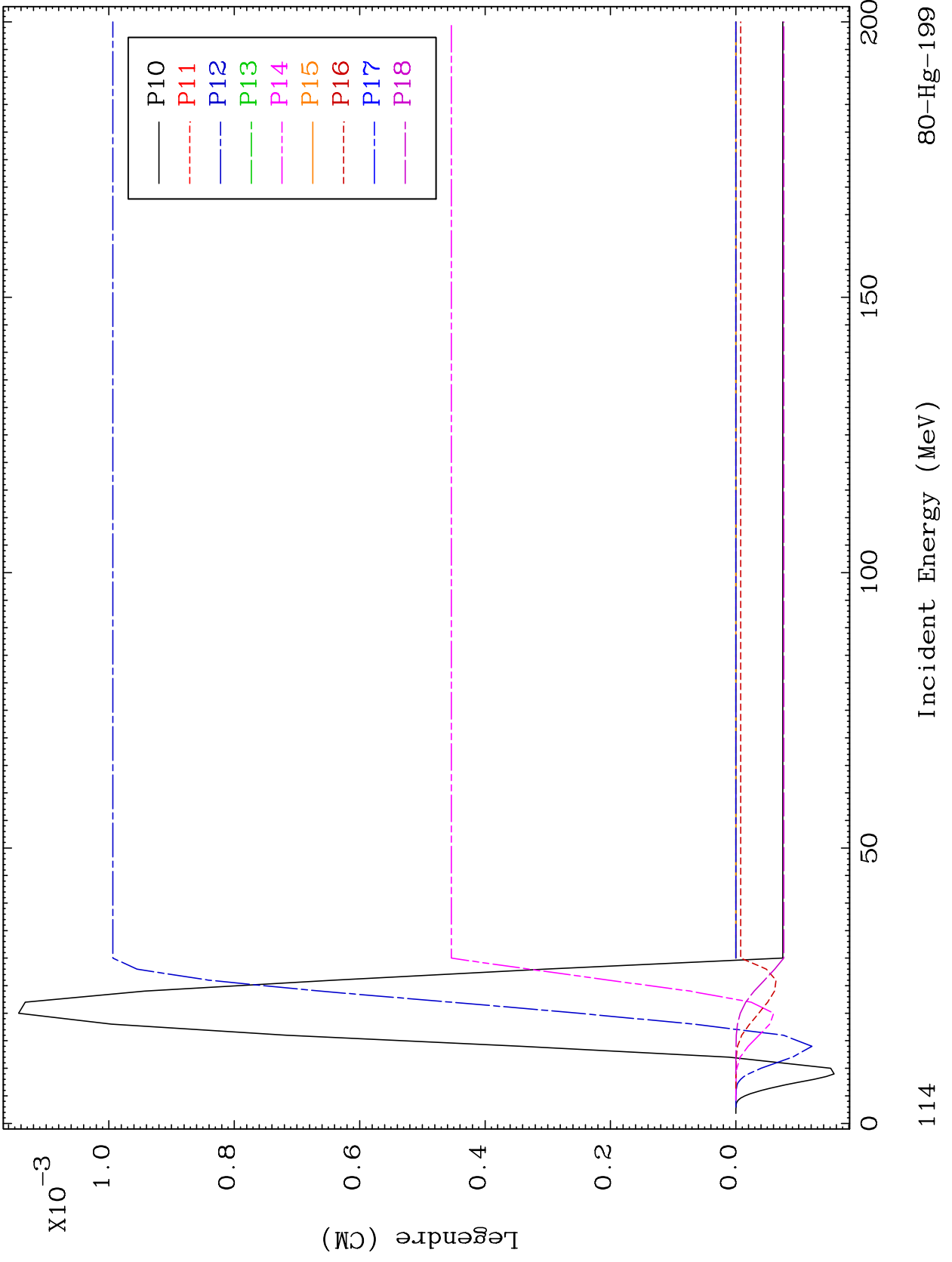
Incident Energy (MeV)

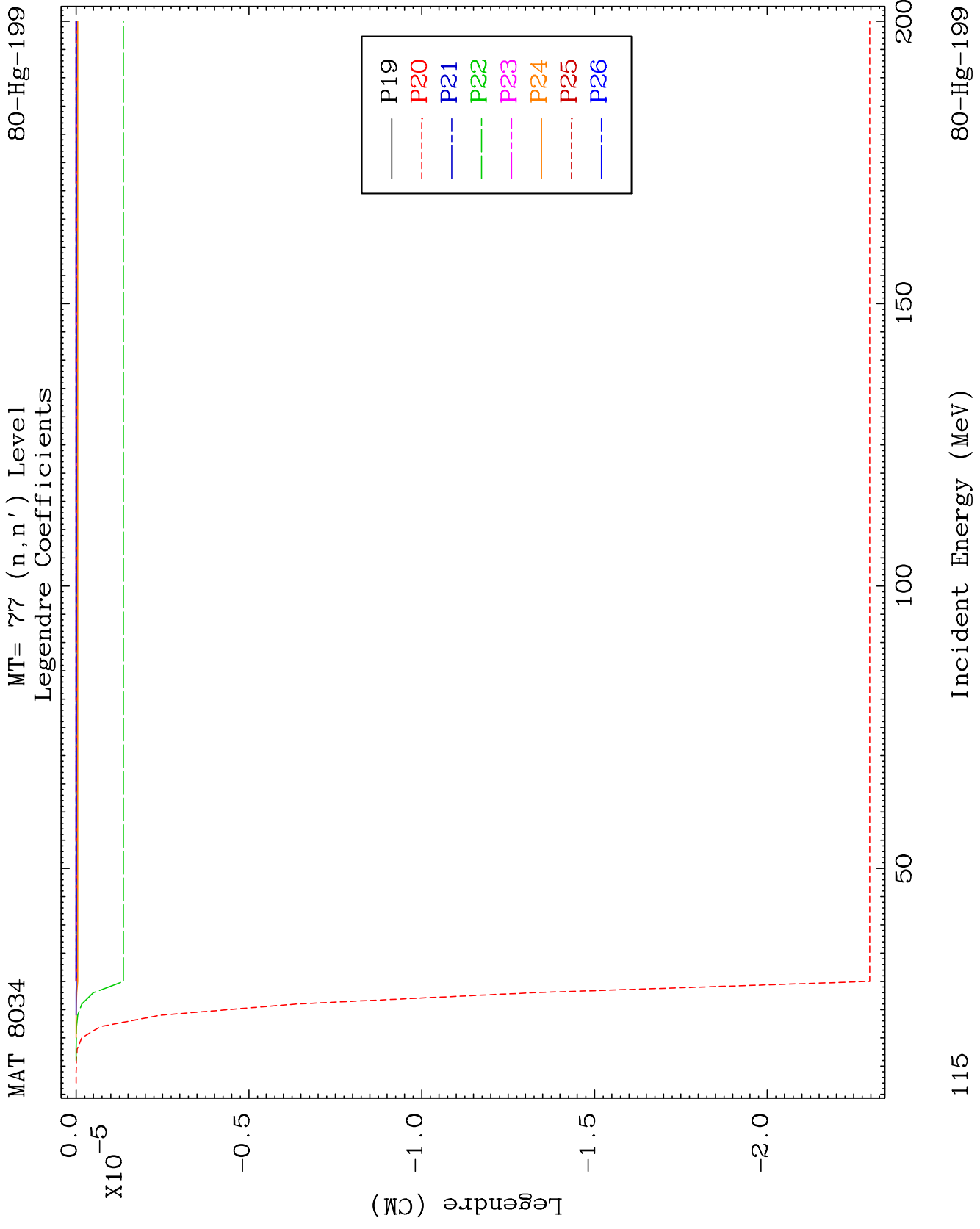
112

MAT 8034

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

80-Hg-199

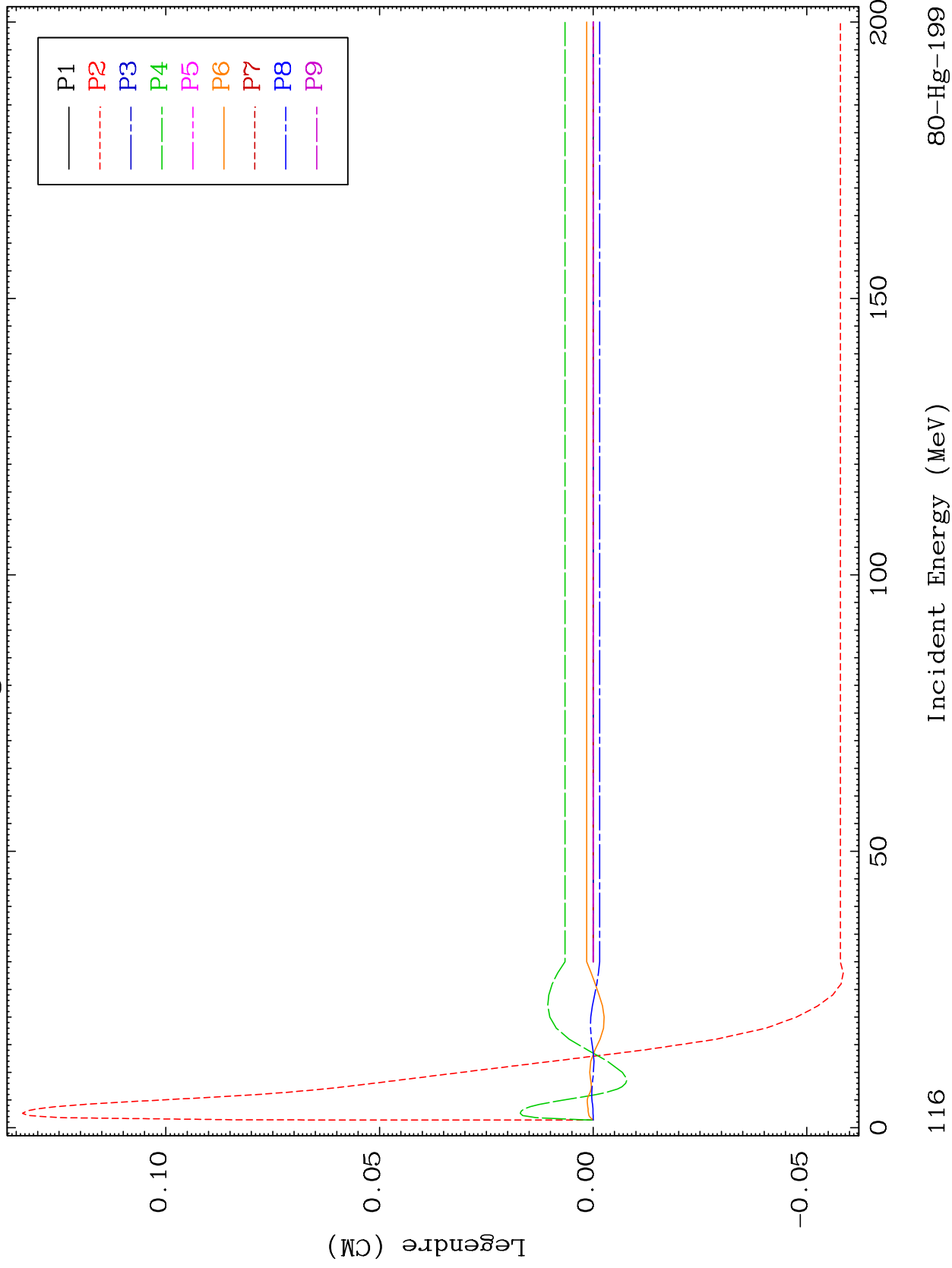




MAT 8034

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

80-Hg-199

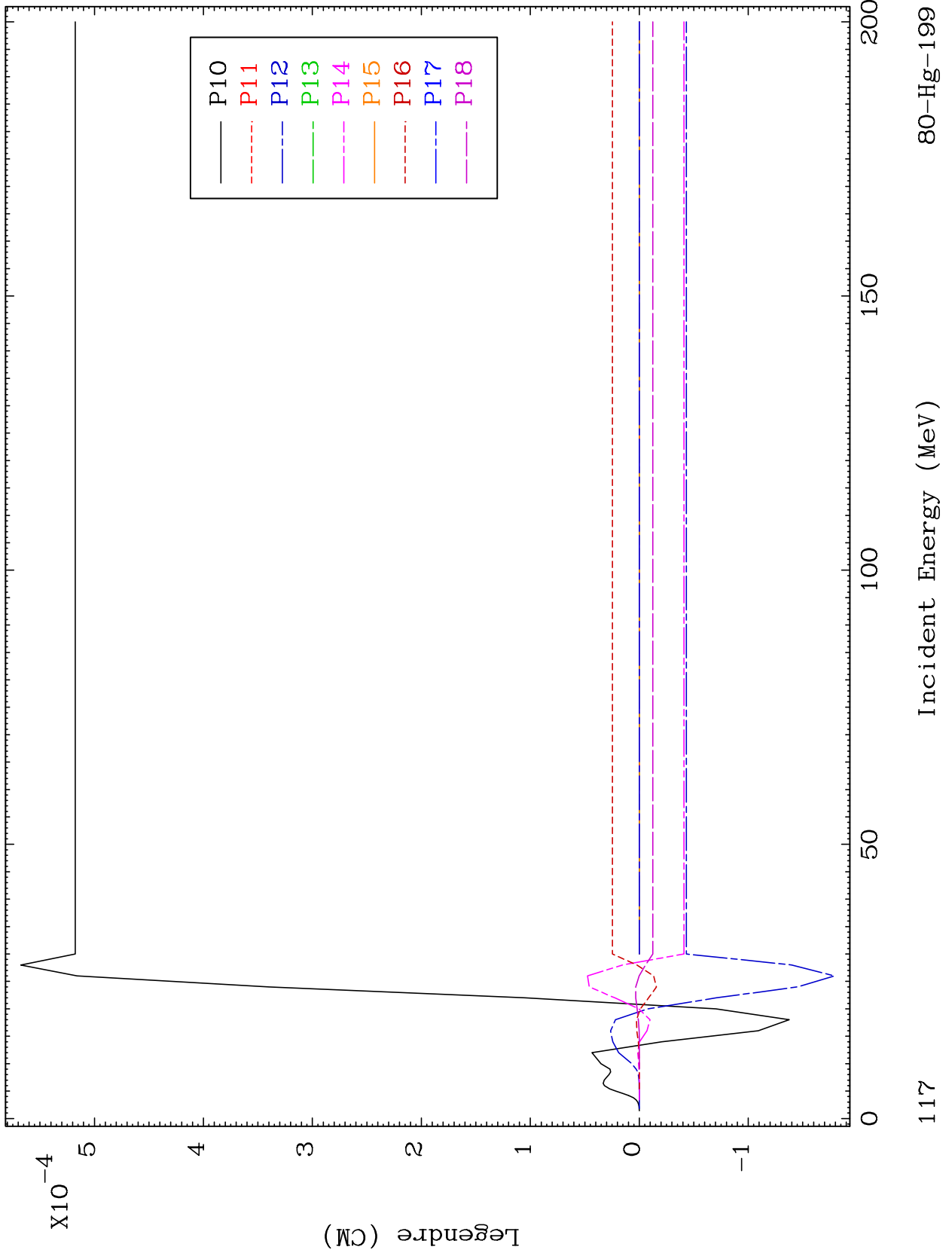


116

MAT 8034

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

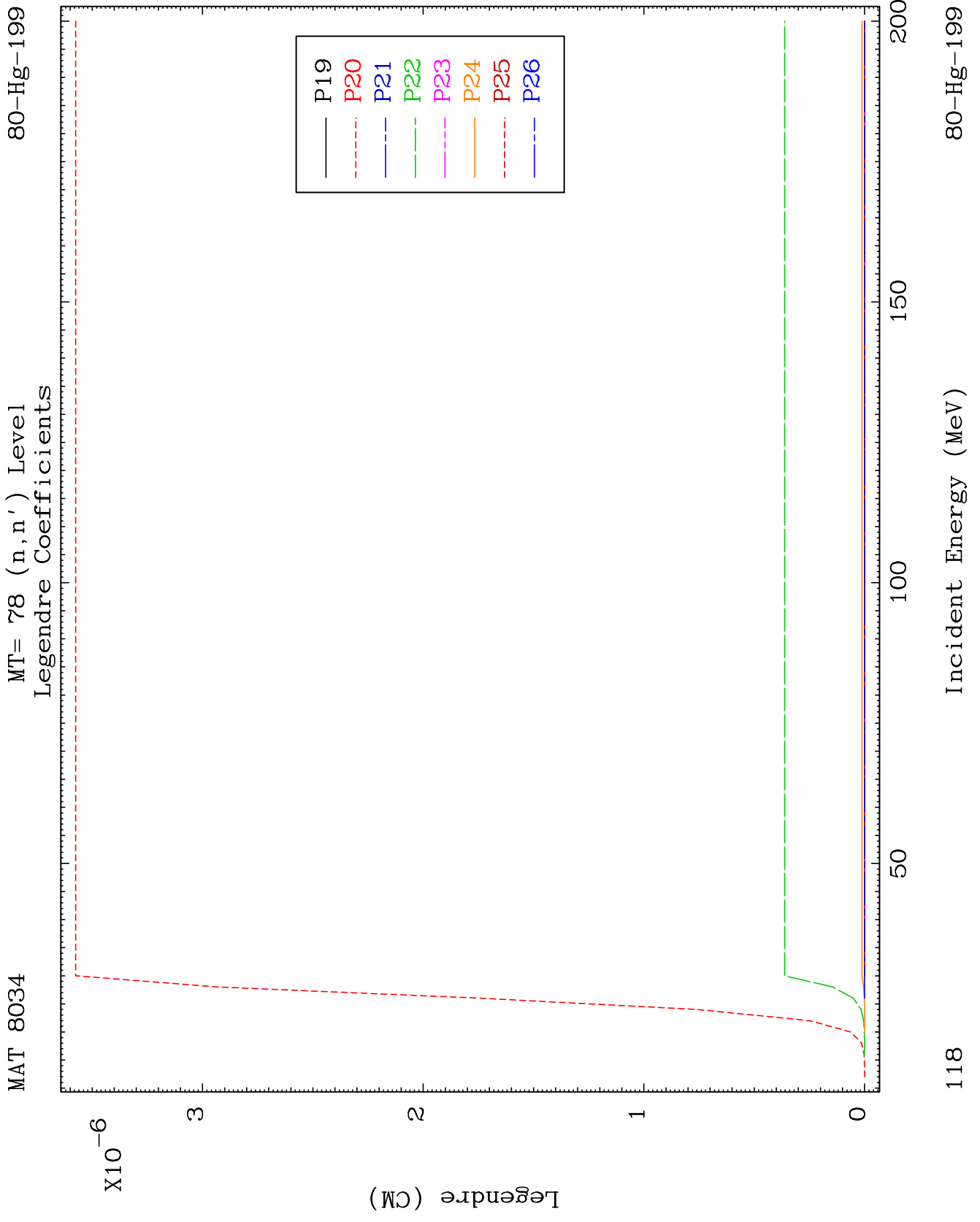
80-Hg-199



117

Incident Energy (MeV)

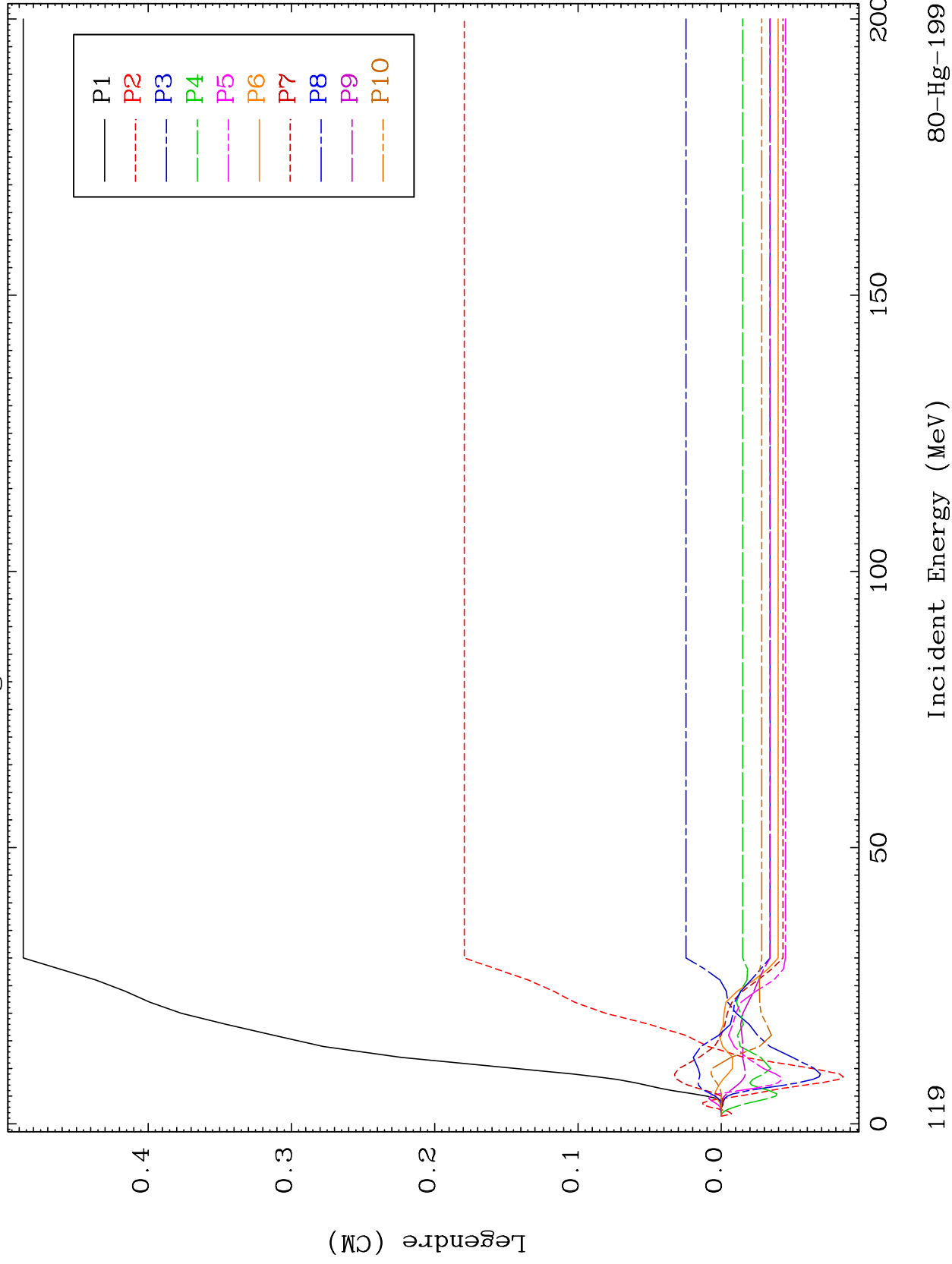
80-Hg-199



MAT 8034

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

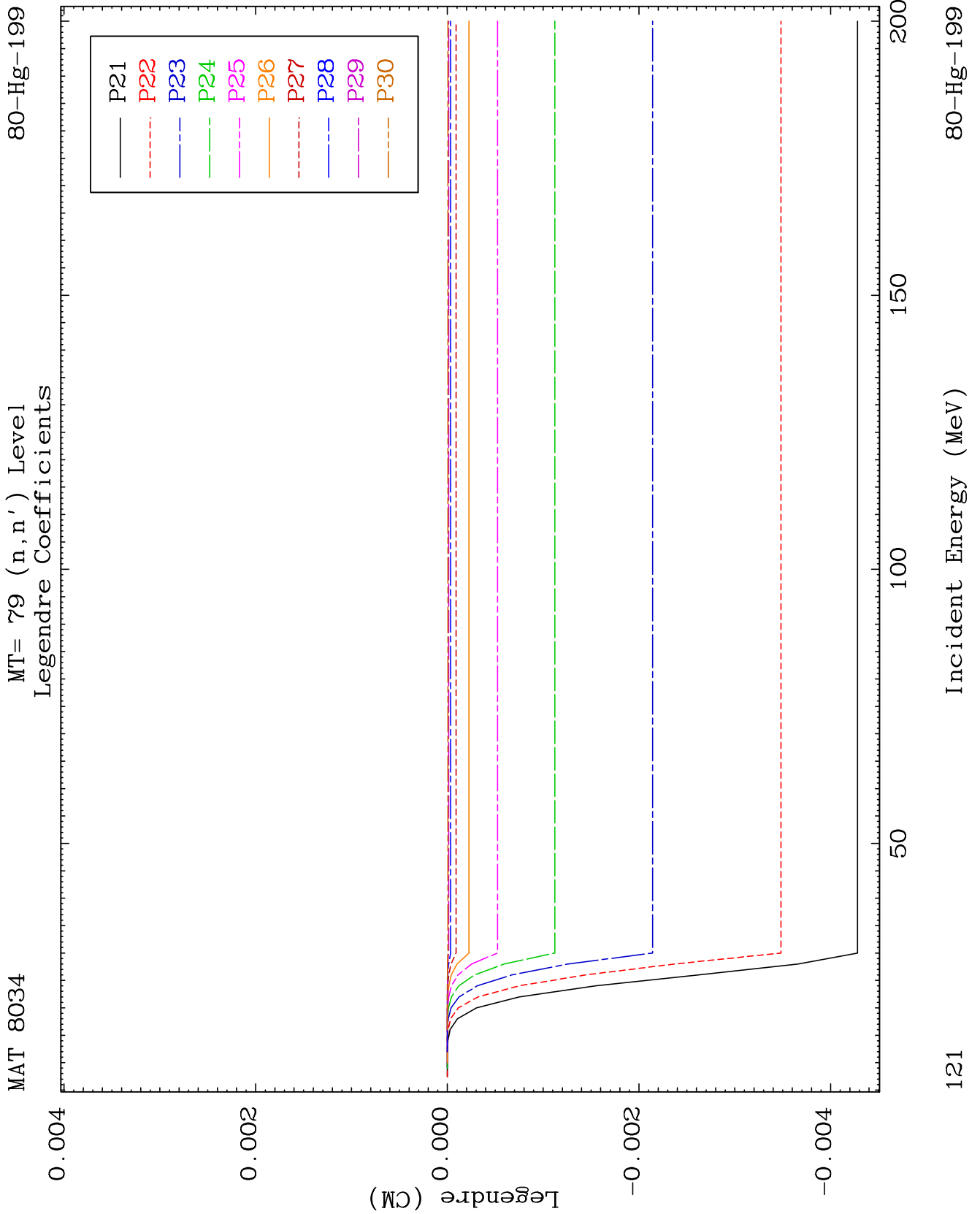
80-Hg-199

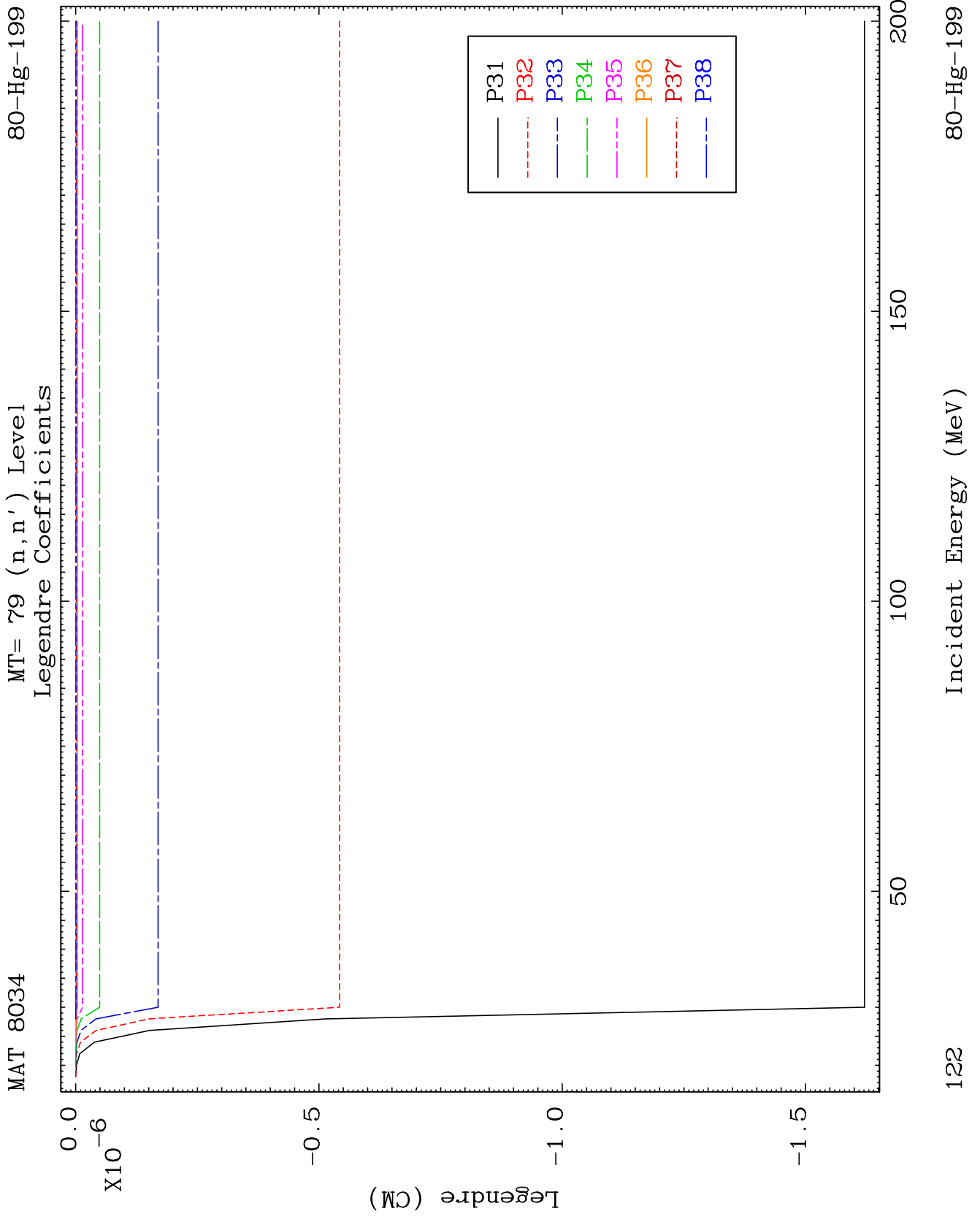


80-Hg-199

Incident Energy (MeV)

119

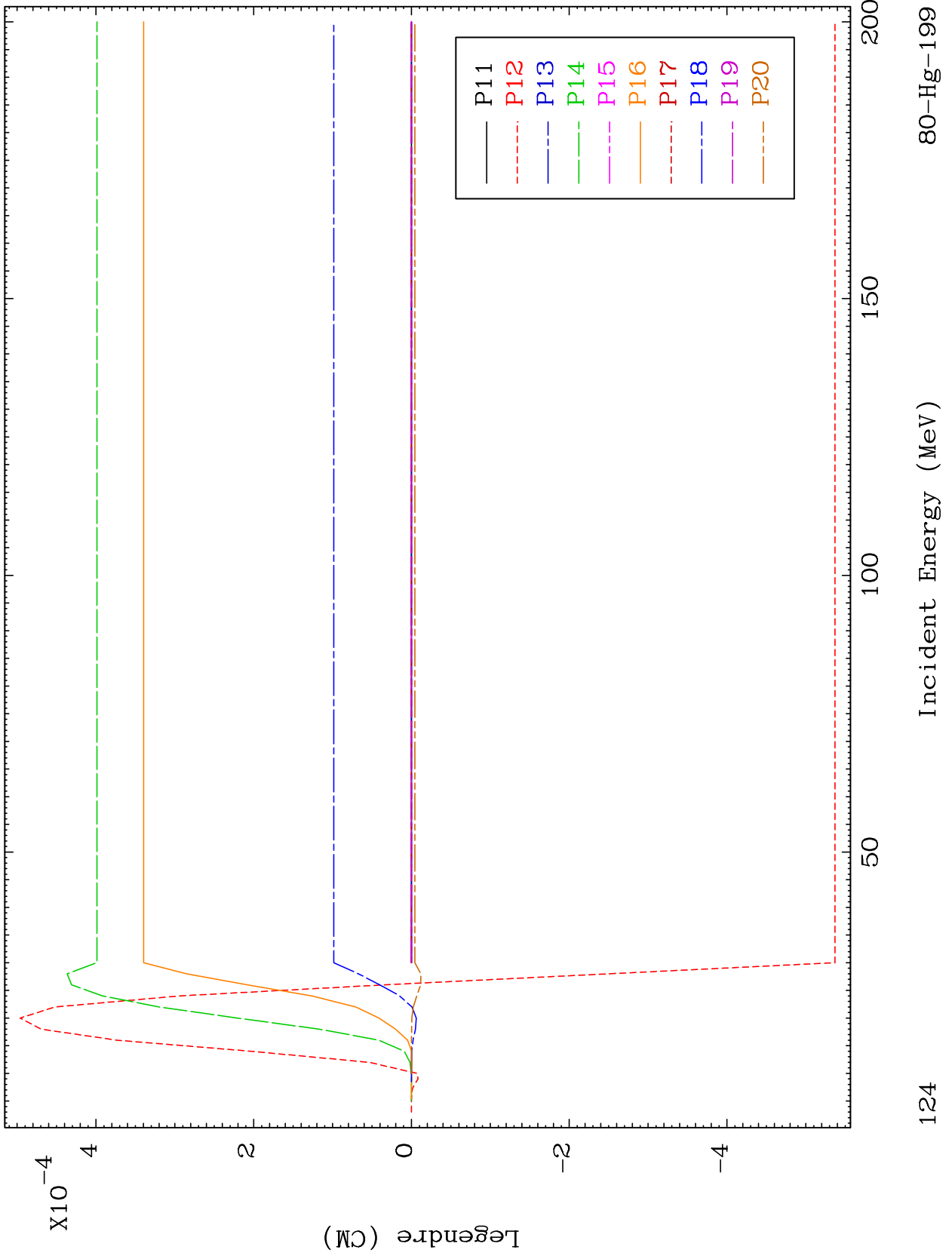




MAT 8034

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

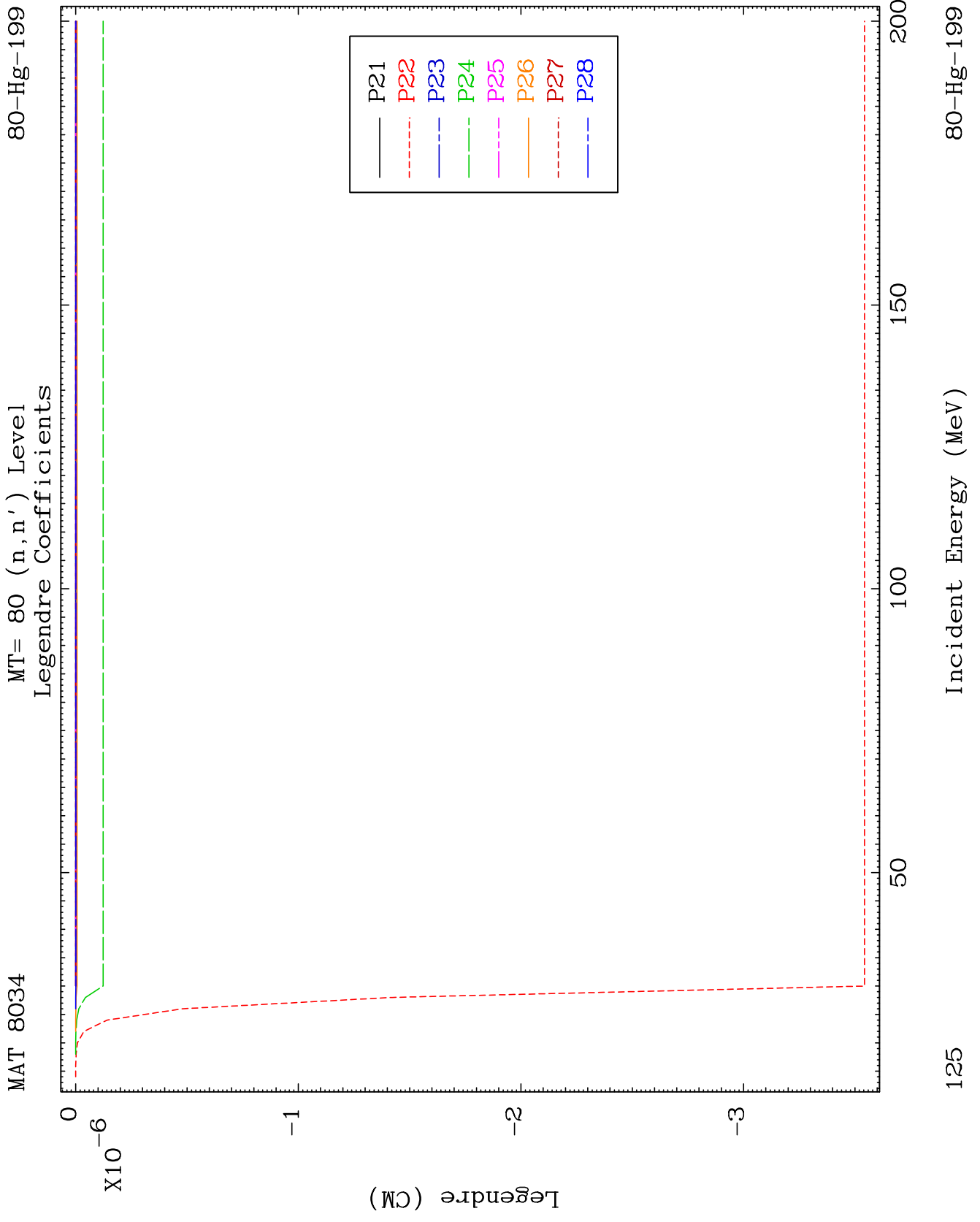
80-Hg-199



124

Incident Energy (MeV)

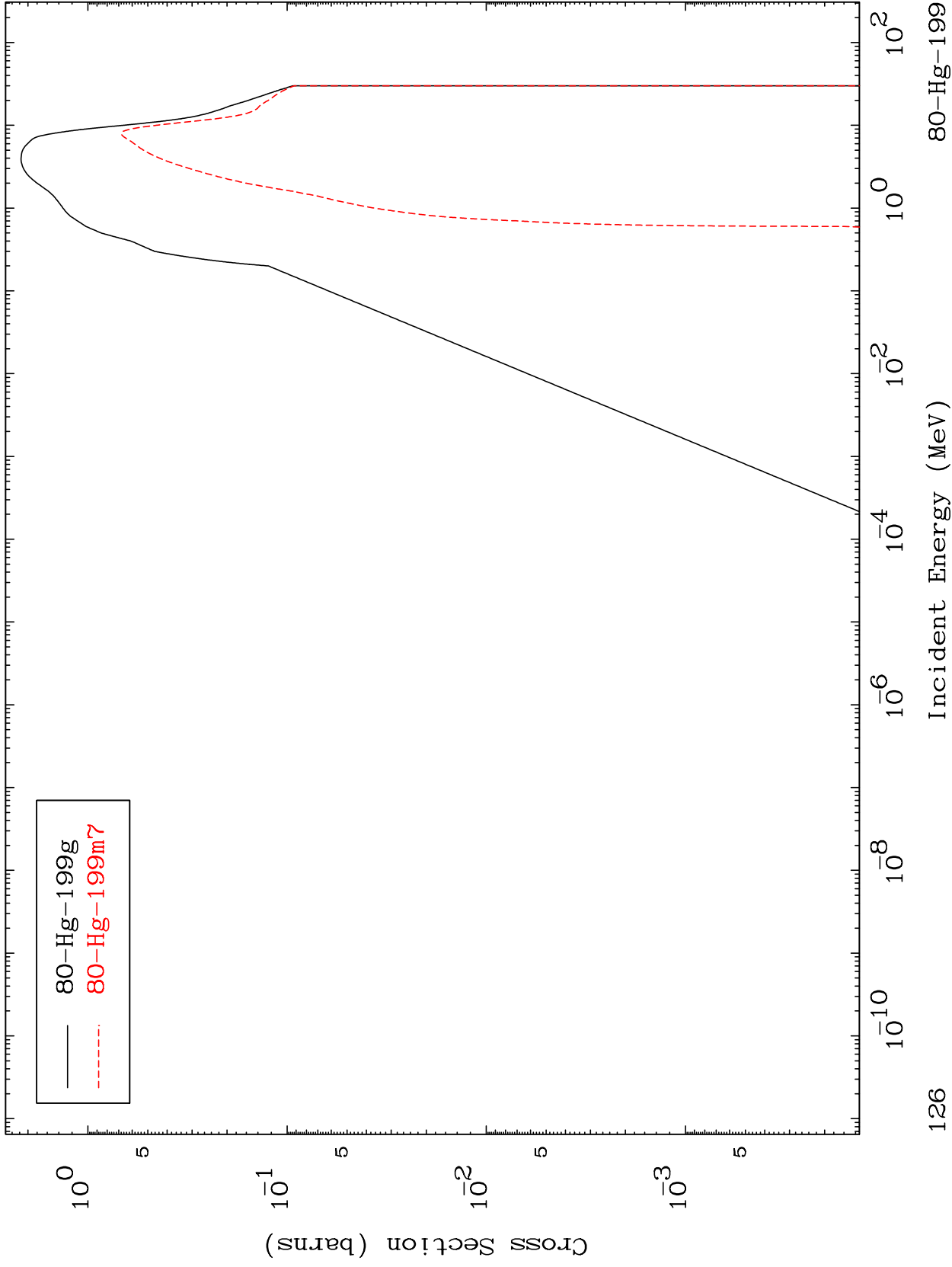
80-Hg-199



MAT 8034

Inelastic
Radionuclide Production Cross Section

80-Hg-199

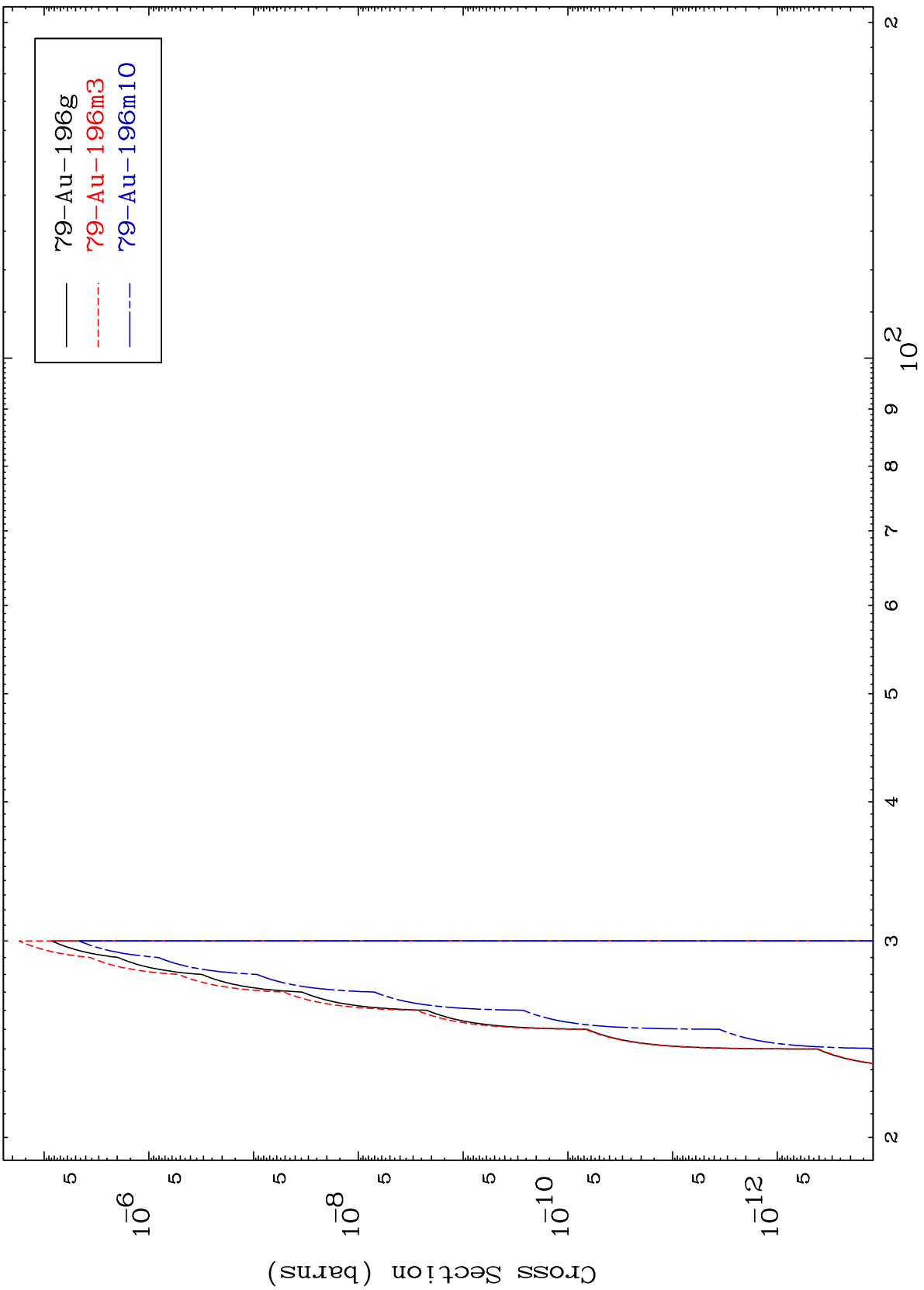


MAT 8034

(n,2n) d

80-Hg-199

Radionuclide Production Cross Section



127

Incident Energy (MeV)

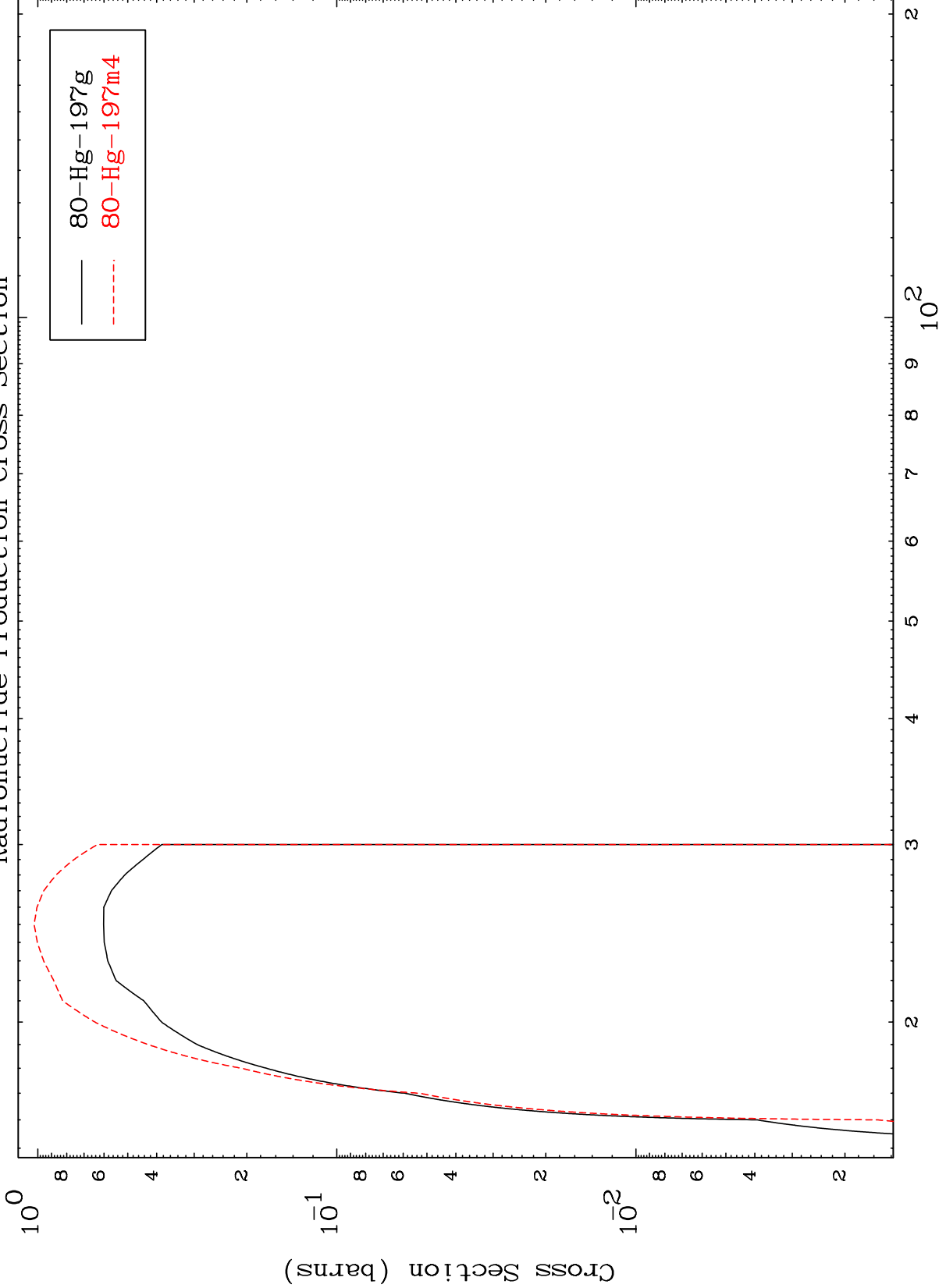
80-Hg-199

MAT 8034

(n,3n)

80-Hg-199

Radionuclide Production Cross Section



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

128

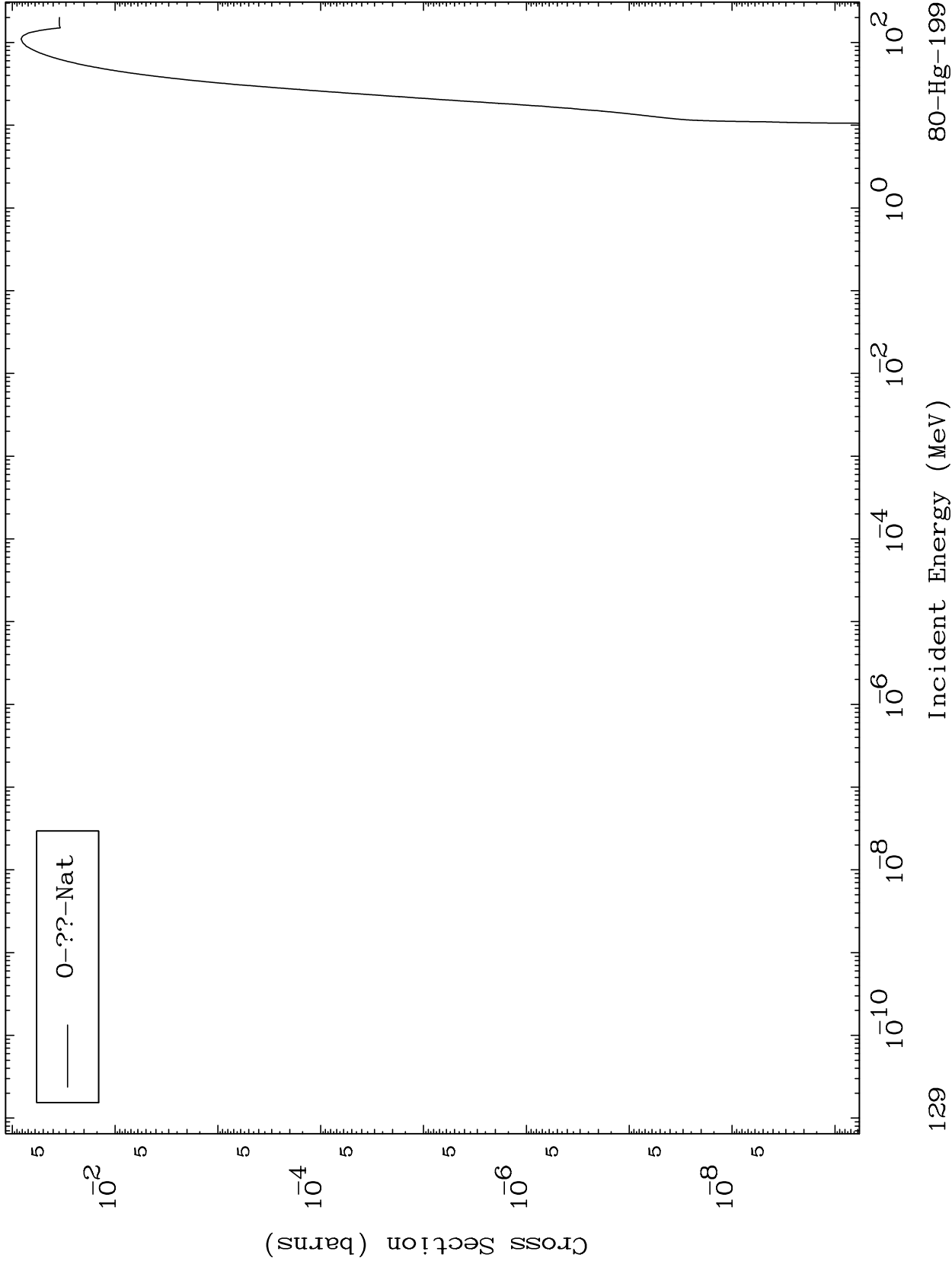
Incident Energy (MeV)

80-Hg-199

MAT 8034

Fission
Radionuclide Production Cross Section

80-Hg-199

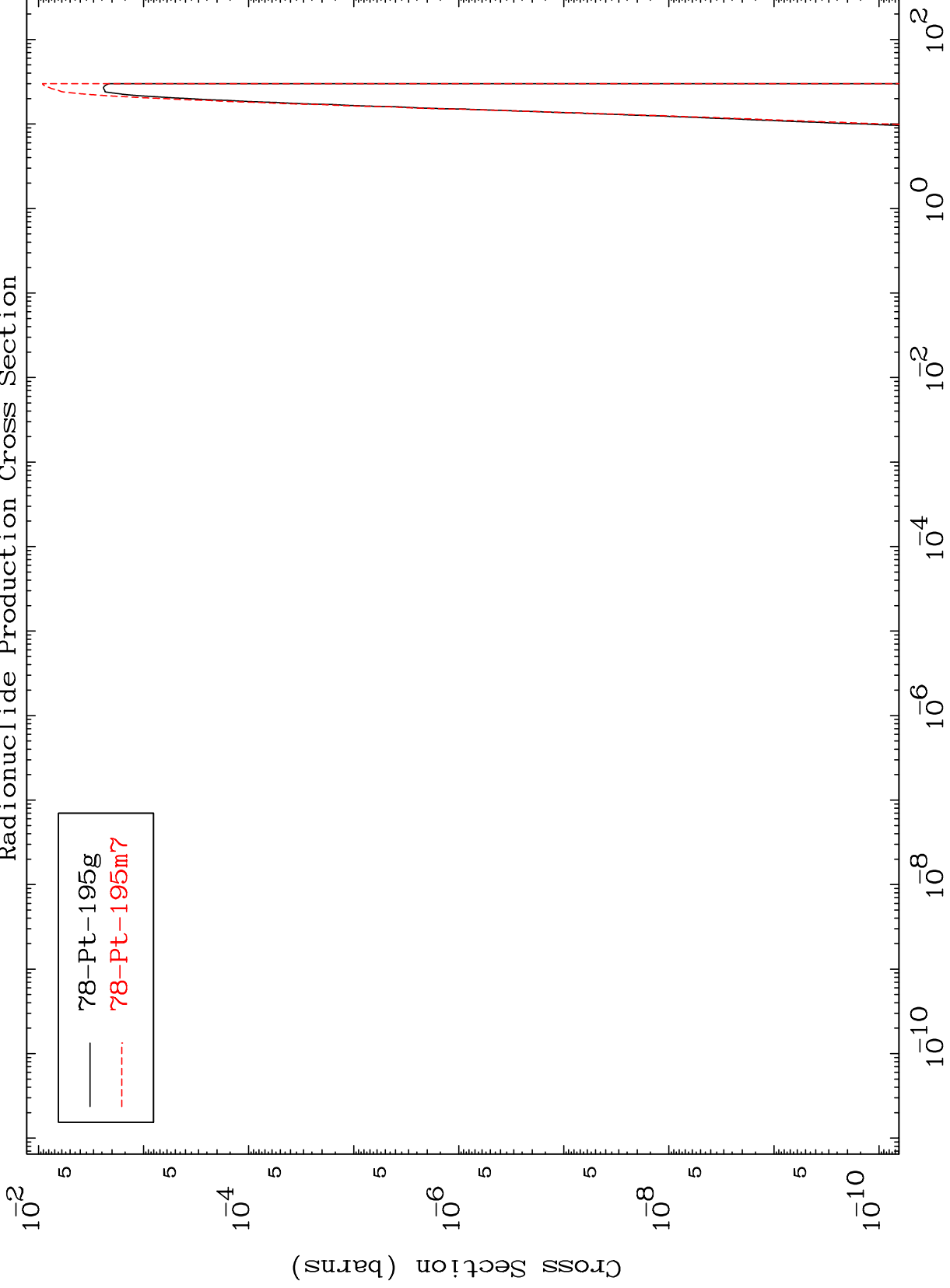


MAT 8034

$(n, n') \alpha$

80-Hg-199

Radionuclide Production Cross Section

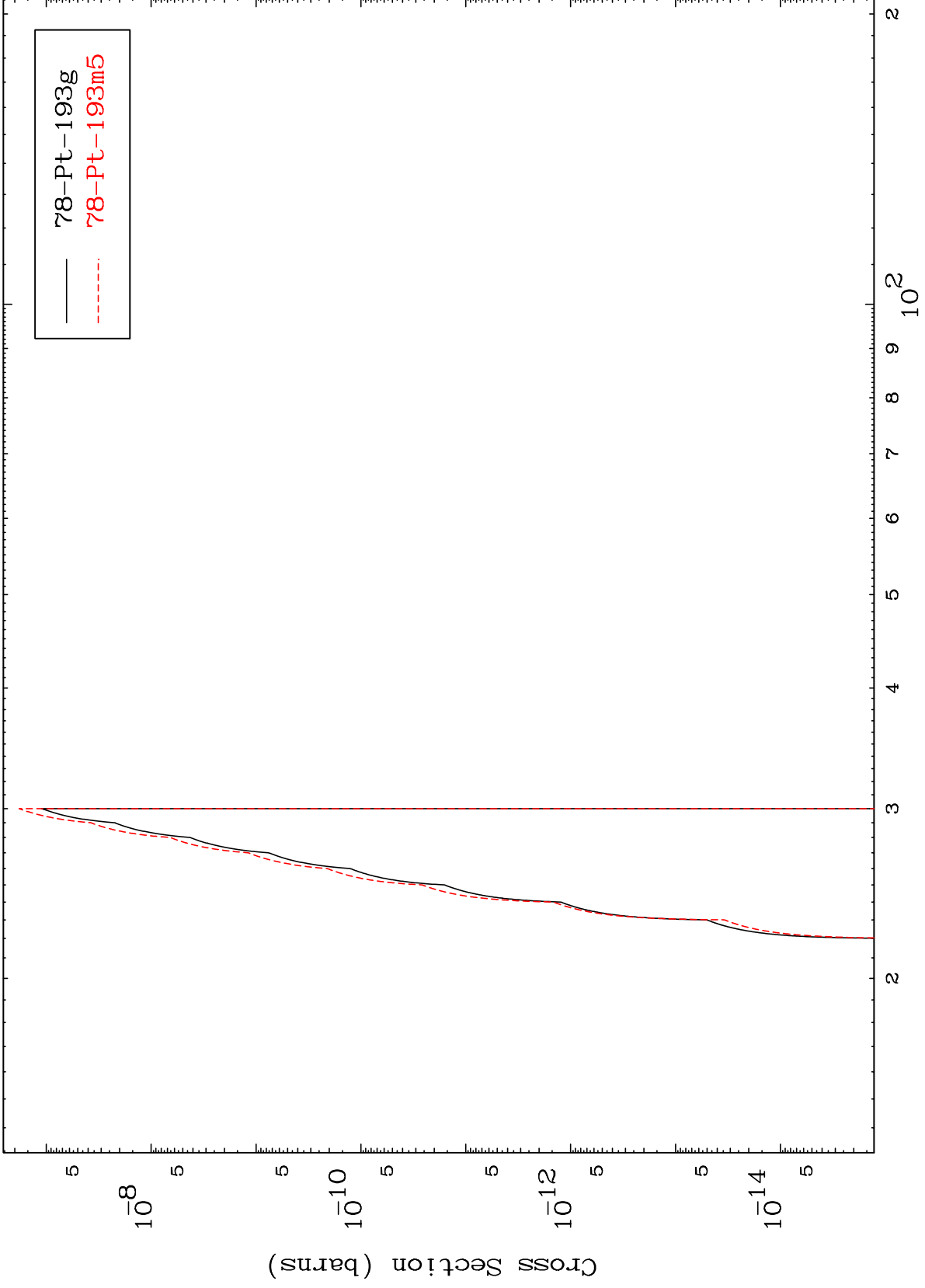


MAT 8034

$(n,3n) \alpha$

80-Hg-199

Radionuclide Production Cross Section



131

Incident Energy (MeV)

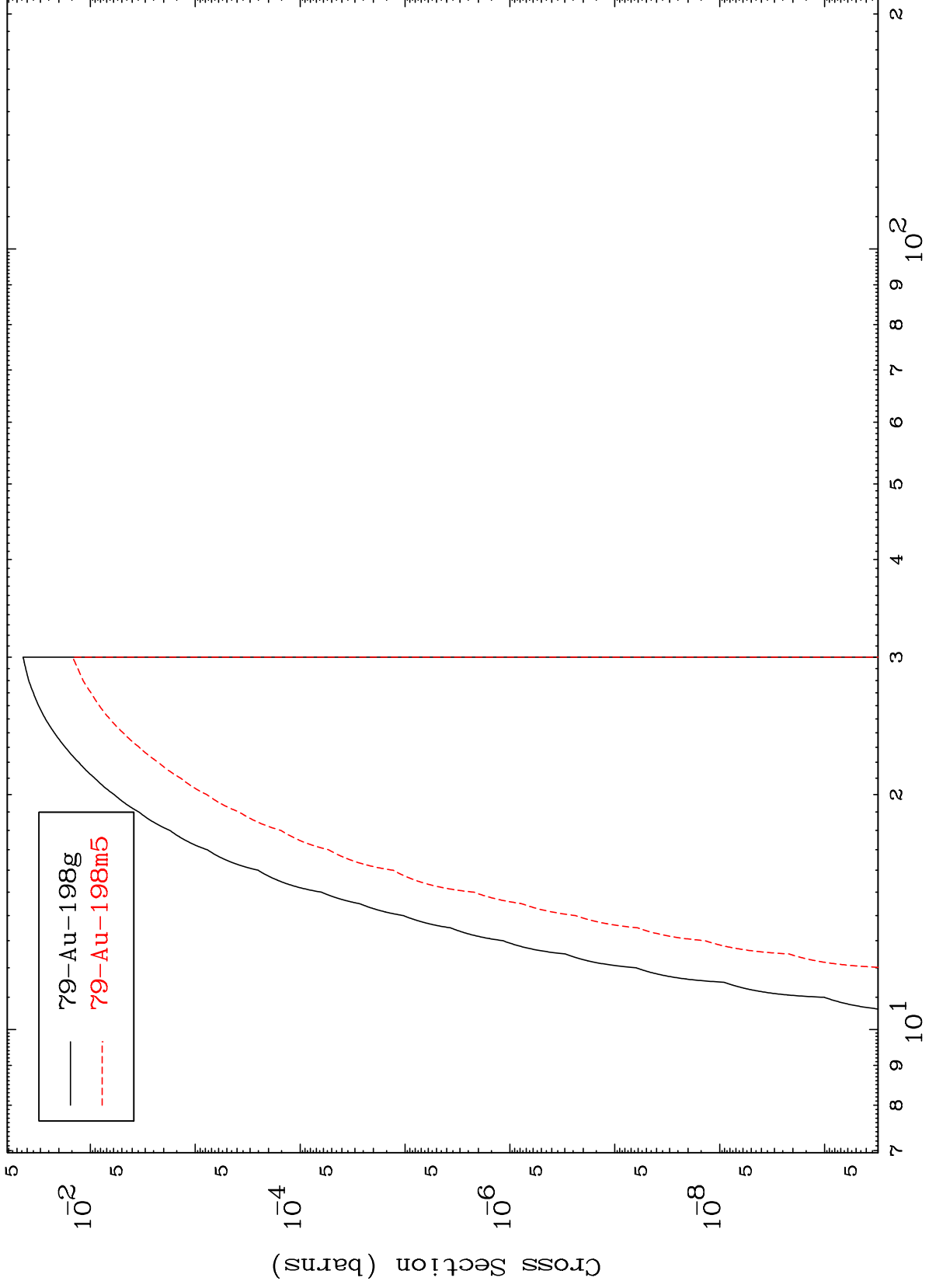
80-Hg-199

MAT 8034

(n,n') p

80-Hg-199

Radionuclide Production Cross Section



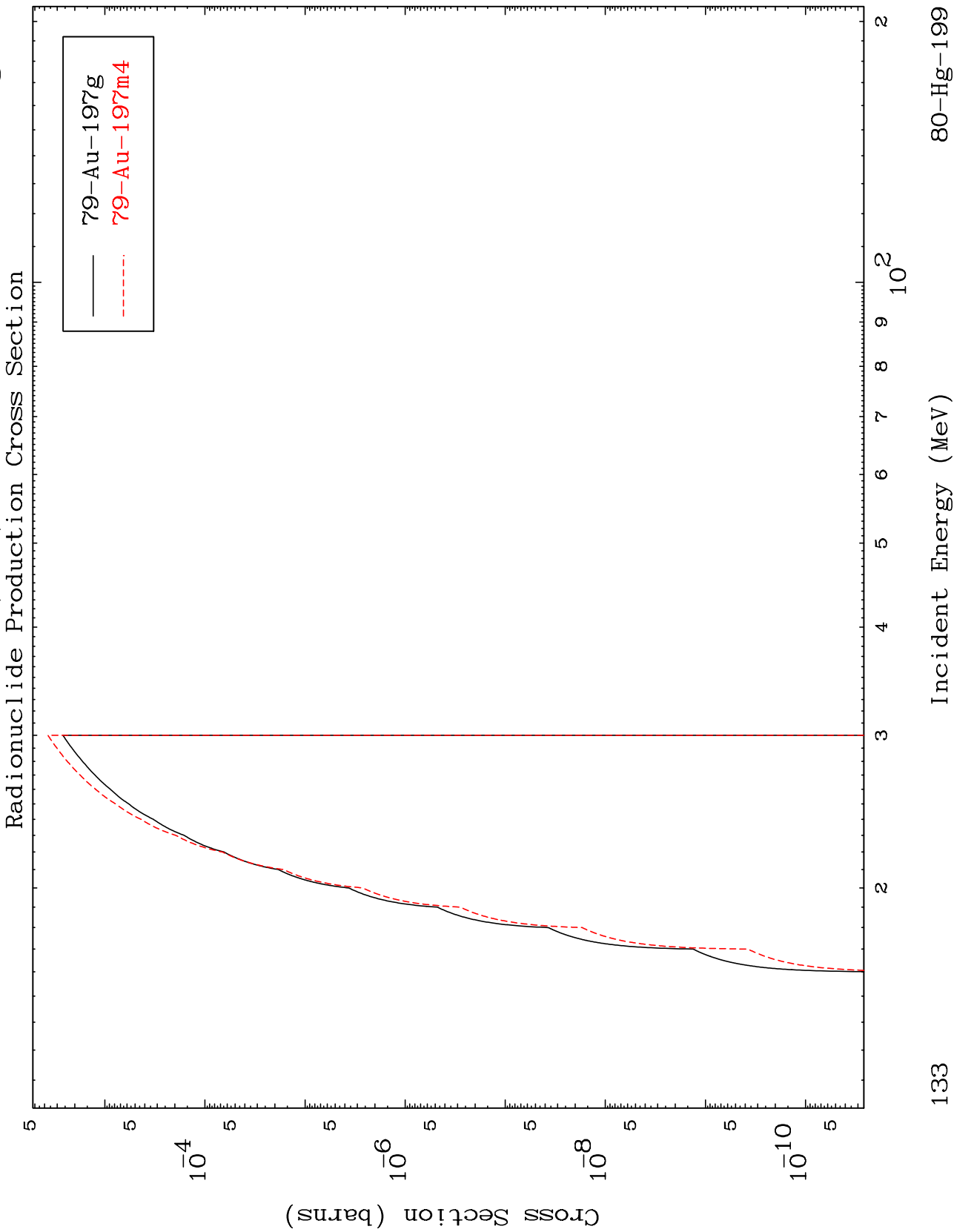
132

80-Hg-199

MAT 8034

(n,n') d

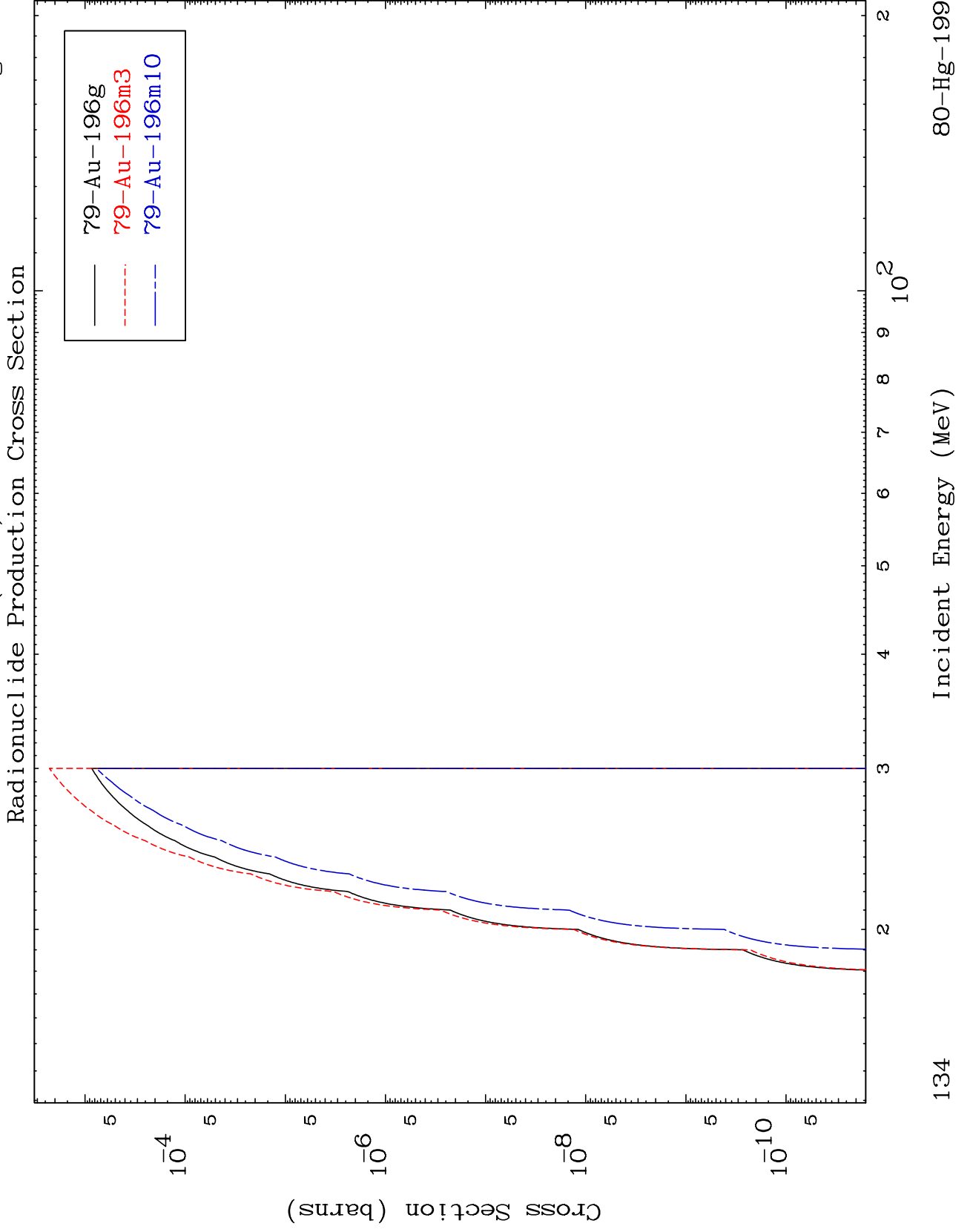
80-Hg-199

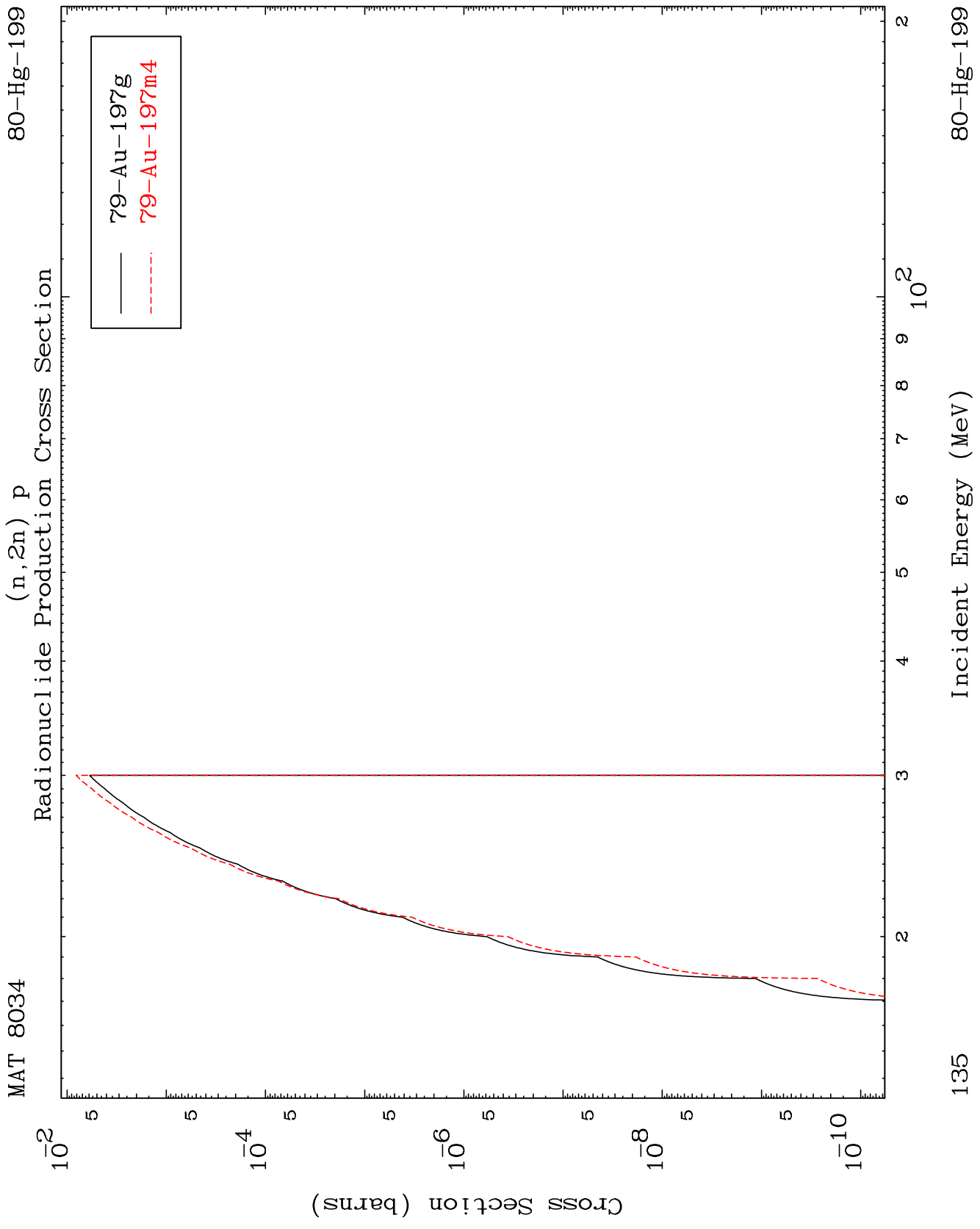


133

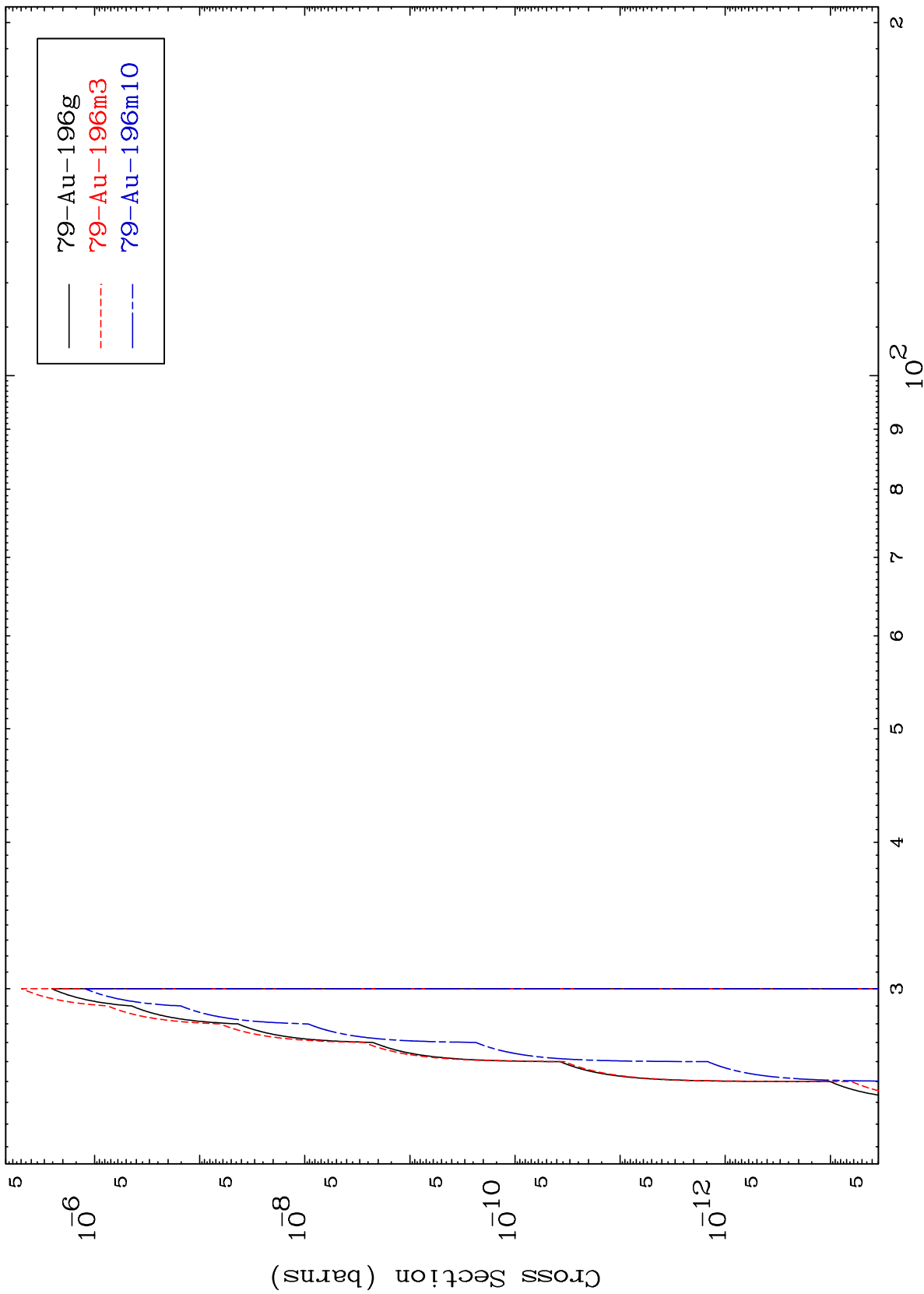
Incident Energy (MeV)

80-Hg-199





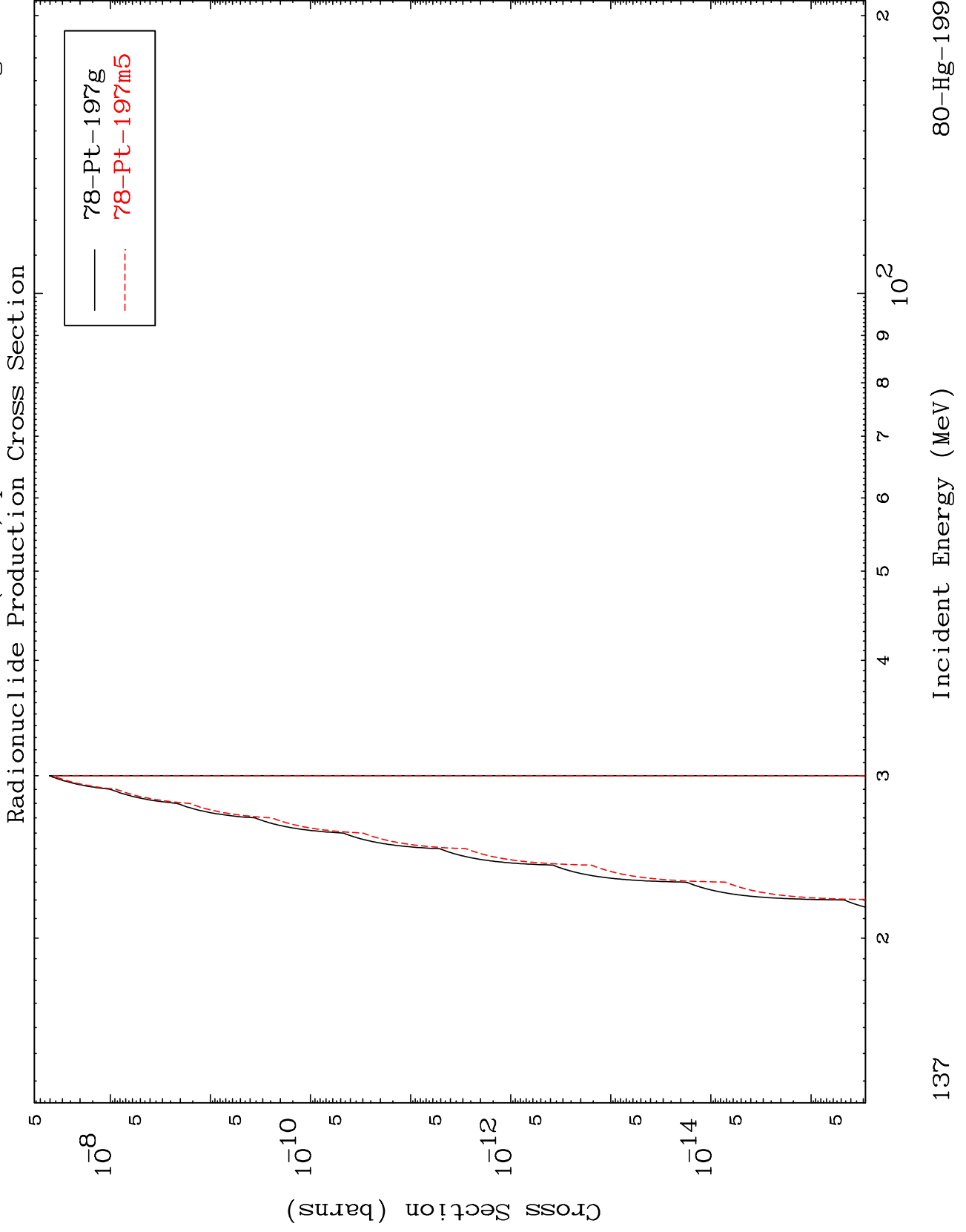
Radionuclide Production Cross Section



MAT 8034

(n,2n) p

80-Hg-199



137

Incident Energy (MeV)

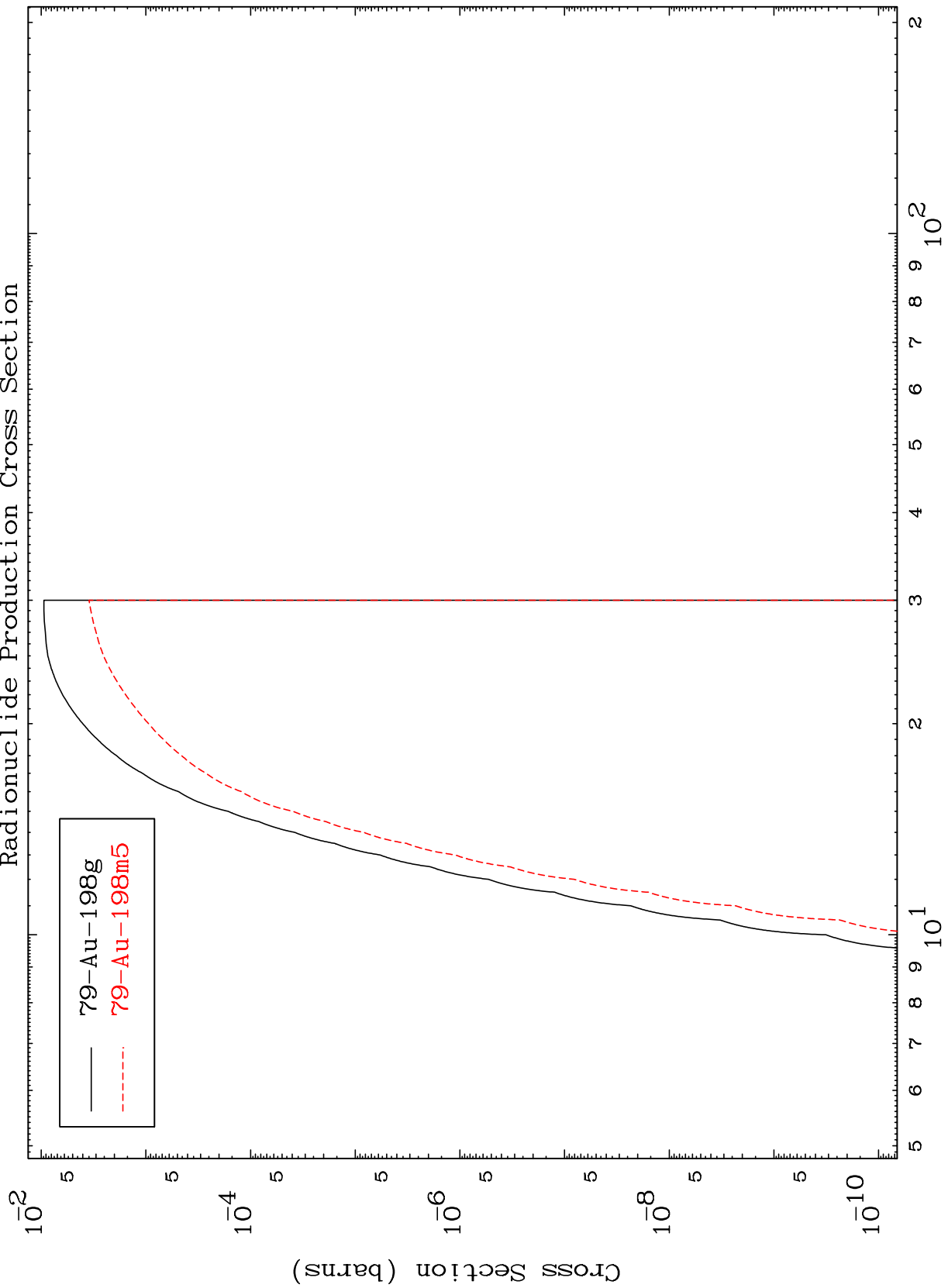
80-Hg-199

MAT 8034

(n,d)

80-Hg-199

Radionuclide Production Cross Section



79-Au-198g
79-Au-198m5

138

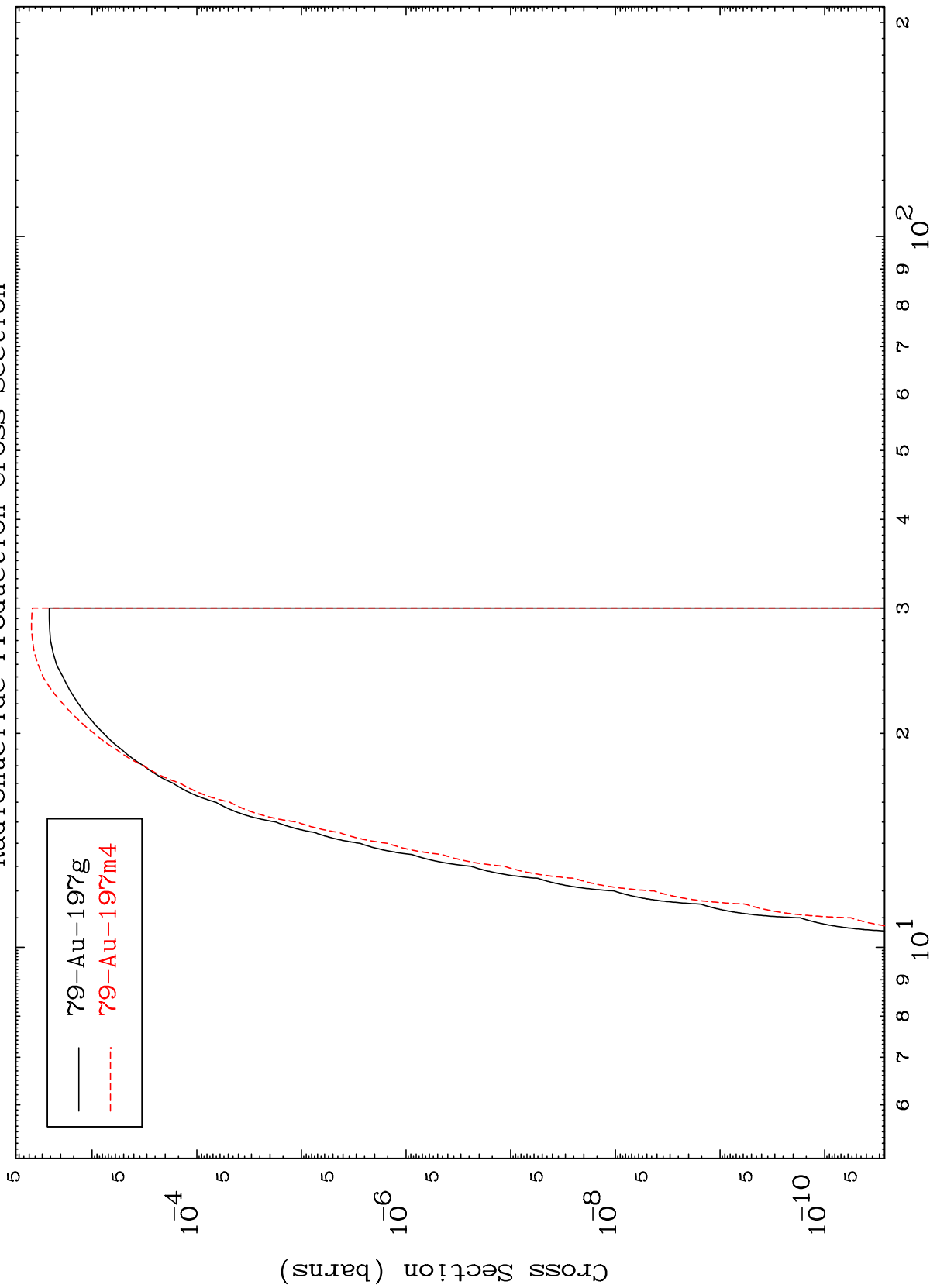
Incident Energy (MeV)

80-Hg-199

MAT 8034

80-Hg-199

Radionuclide Production Cross Section



139

Incident Energy (MeV)

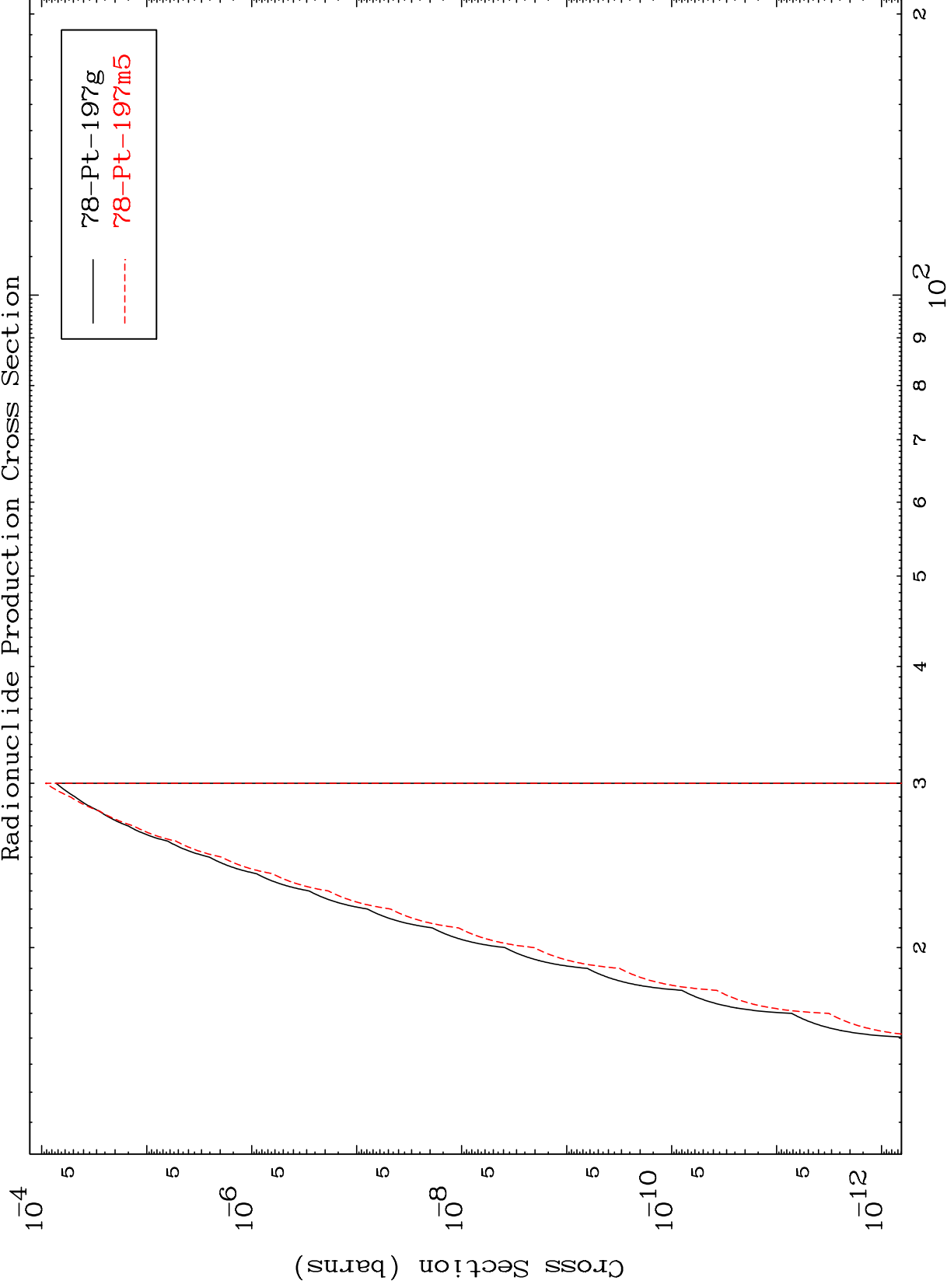
80-Hg-199

MAT 8034

(n,He-3)

80-Hg-199

Radionuclide Production Cross Section



140

Incident Energy (MeV)

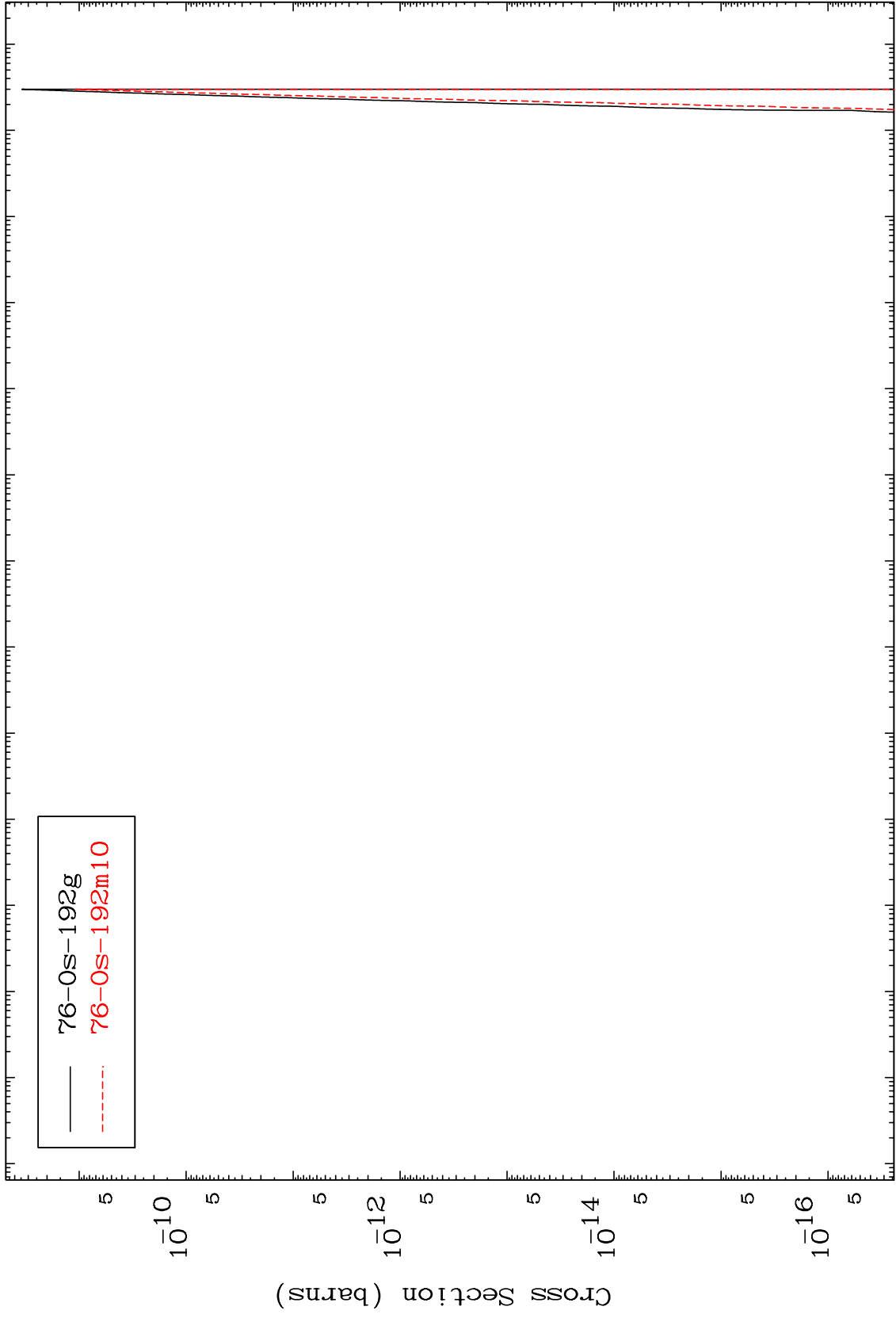
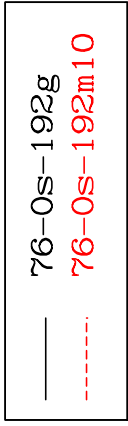
80-Hg-199

MAT 8034

(n,2α)

80-Hg-199

Radionuclide Production Cross Section

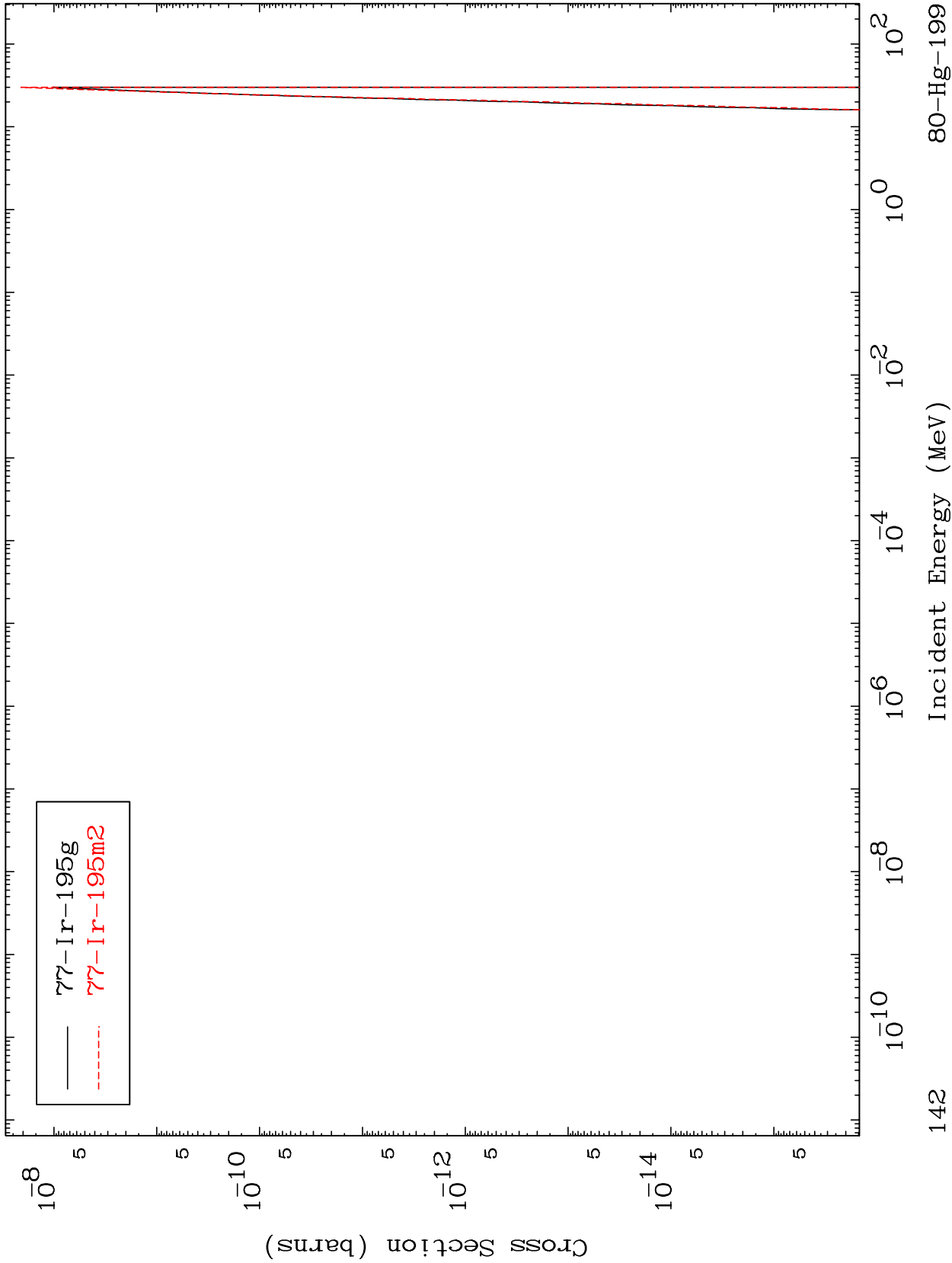


MAT 8034

(n,p) α

80-Hg-199

Radionuclide Production Cross Section

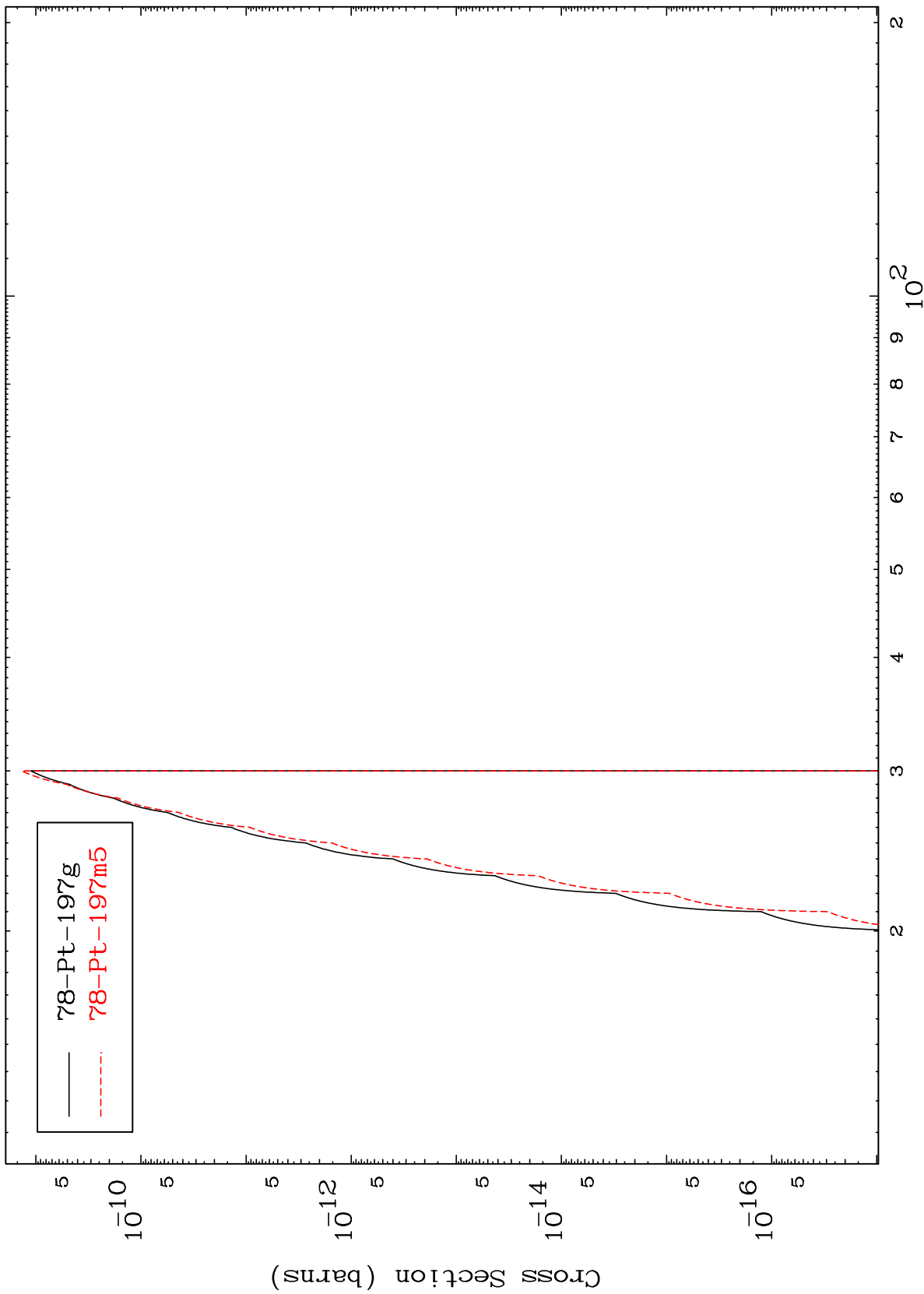


MAT 8034

(n,p) d

80-Hg-199

Radionuclide Production Cross Section



143

Incident Energy (MeV)

80-Hg-199