

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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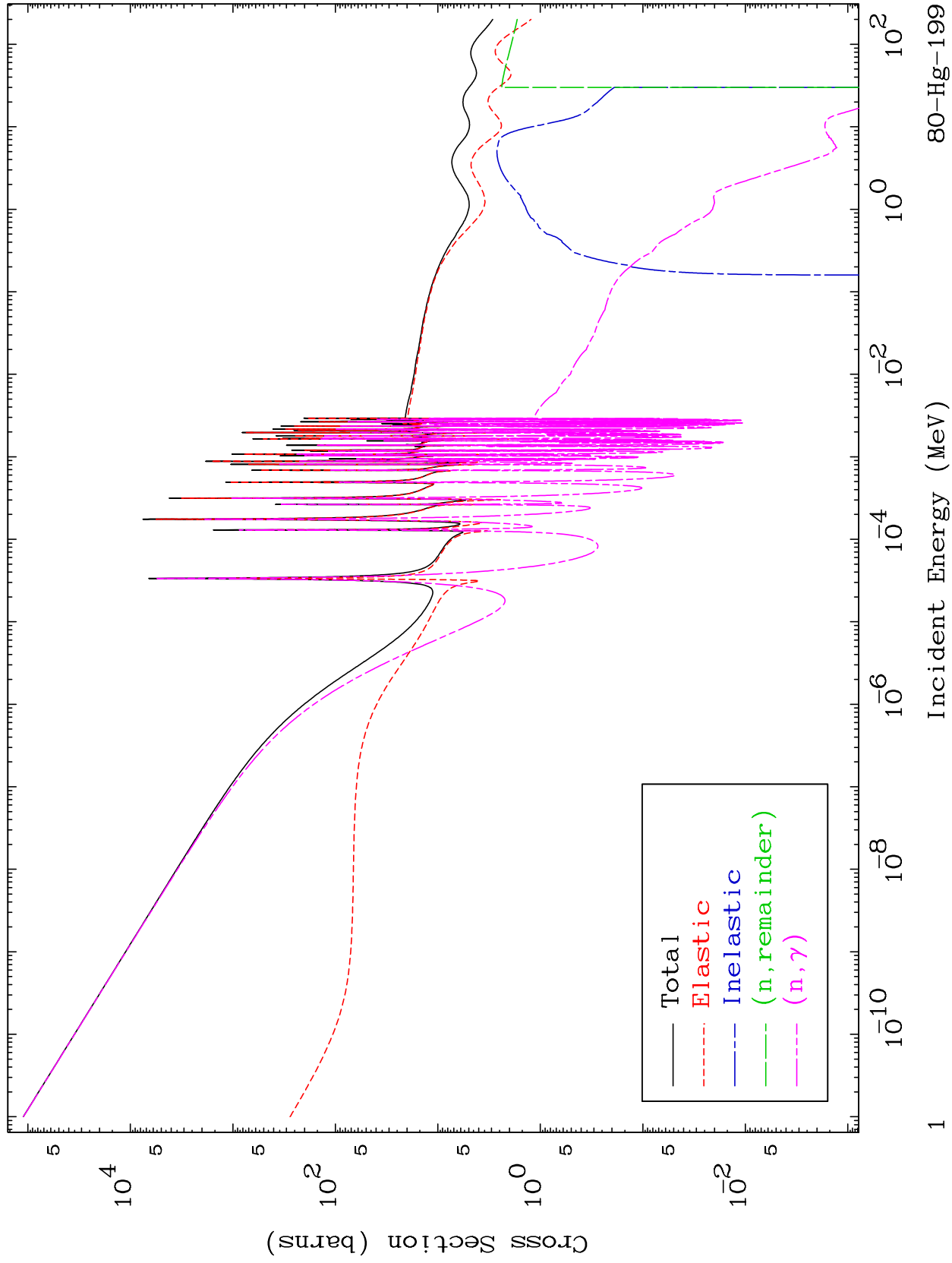
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8034

Major  
293 Kelvin Cross Sections

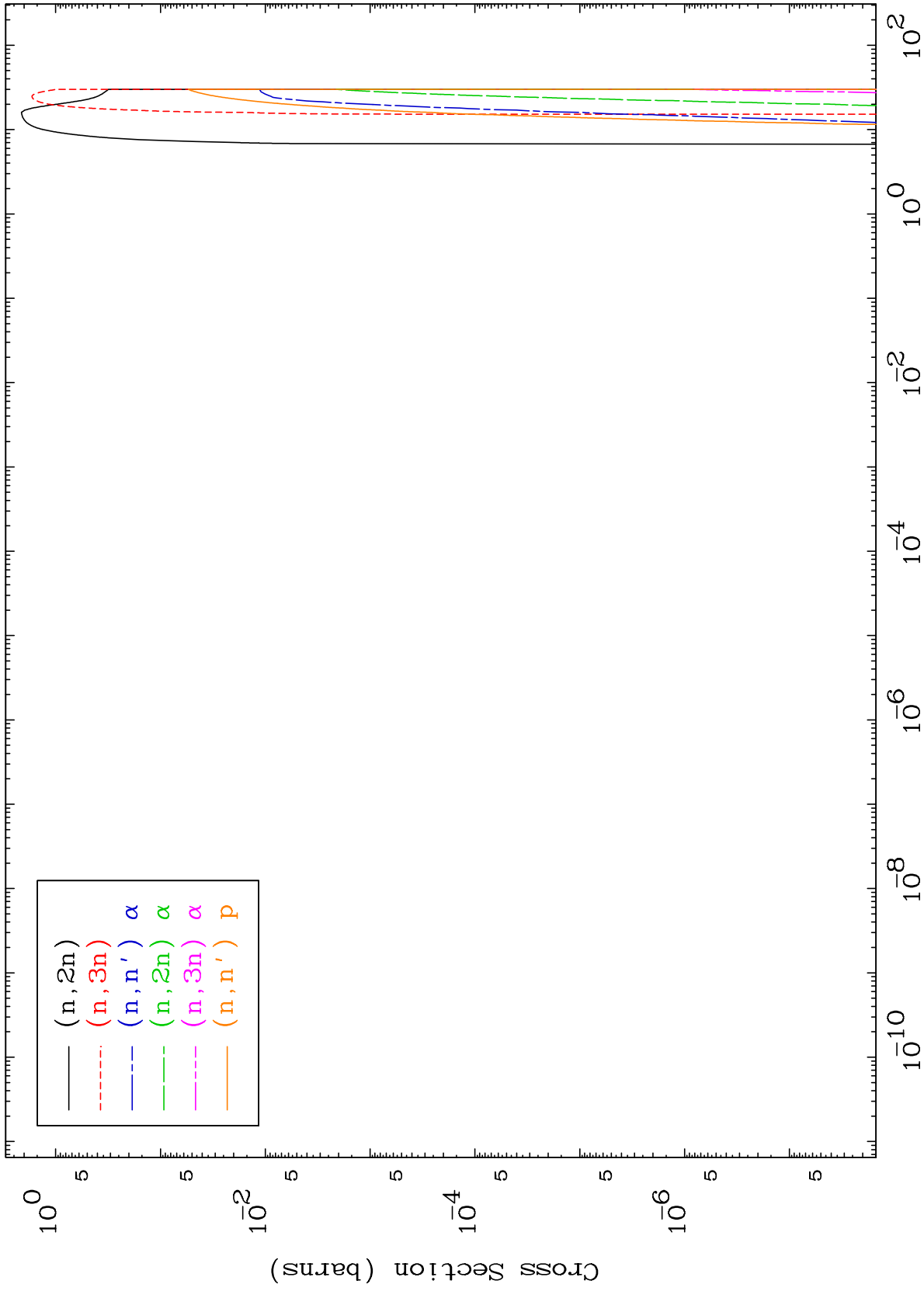
80-Hg-199



MAT 8034

Neutron Production  
293 Kelvin Cross Sections

80-Hg-199



2

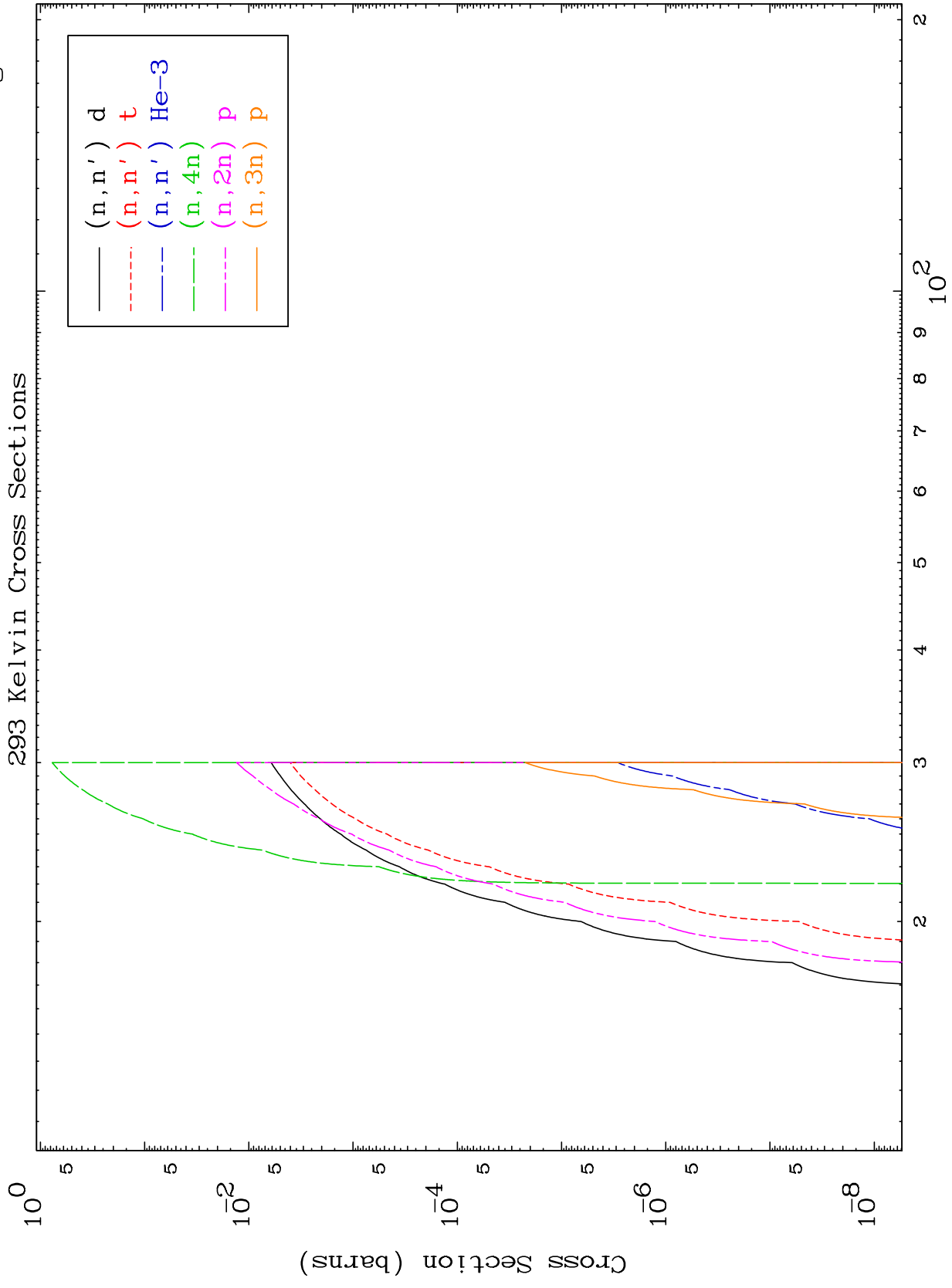
Incident Energy (MeV)

80-Hg-199

MAT 8034

Neutron Production  
293 Kelvin Cross Sections

80-Hg-199



3

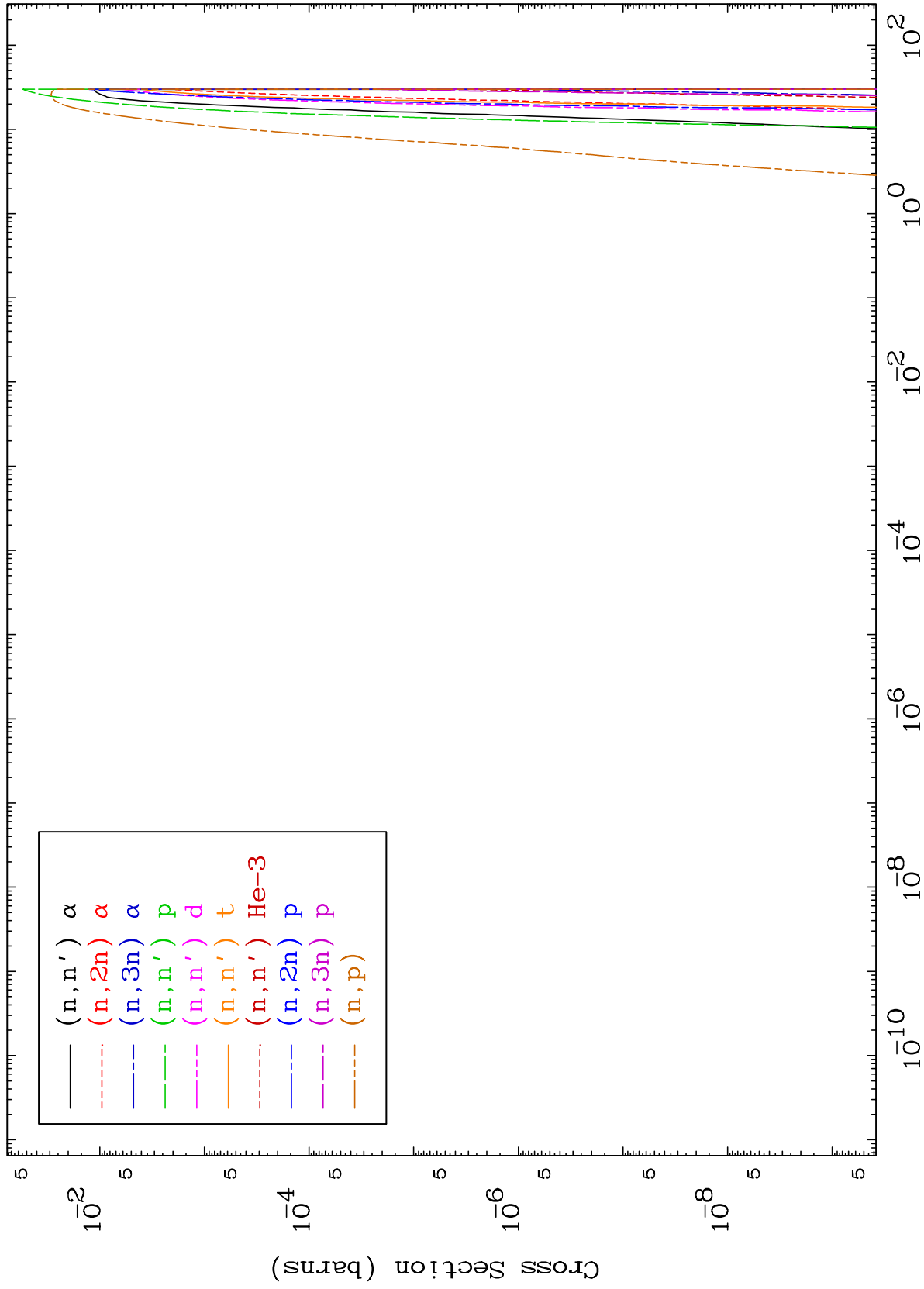
Incident Energy (MeV)

80-Hg-199

MAT 8034

293 Kelvin Cross Sections  
Charged Particle

80-Hg-199

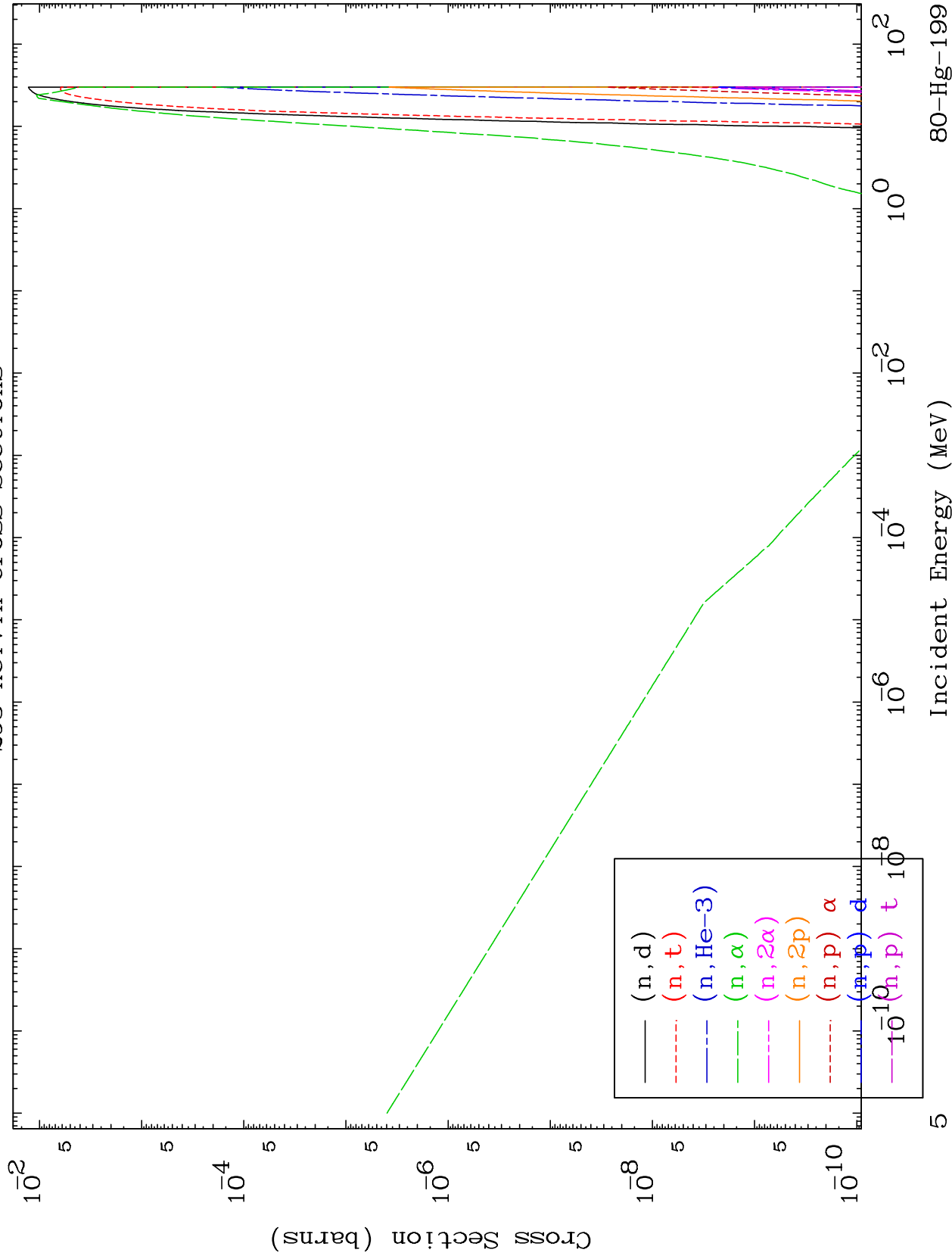


80-Hg-199

MAT 8034

293 Kelvin Cross Sections  
Charged Particle

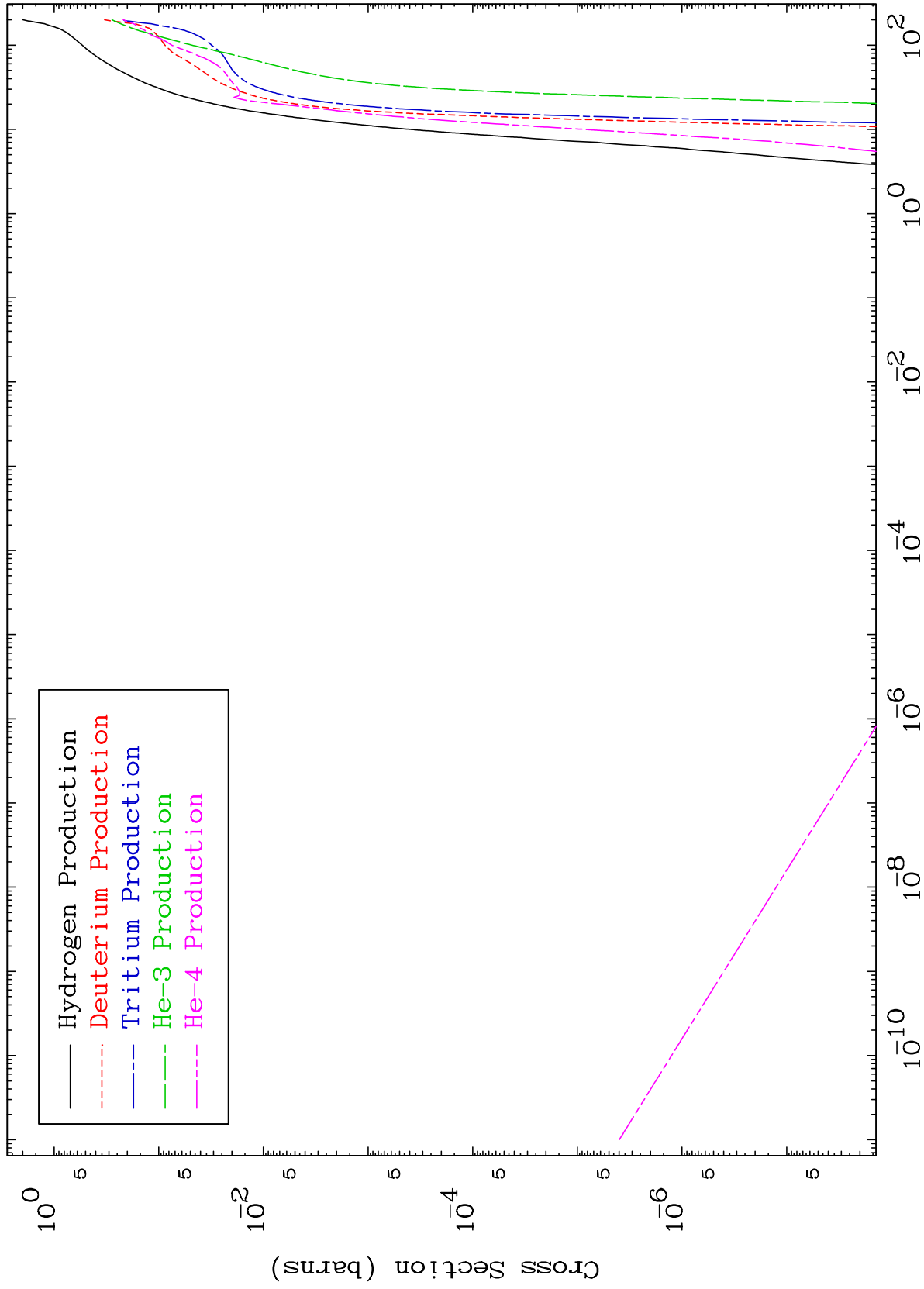
80-Hg-199



MAT 8034

Particle Production  
293 Kelvin Cross Sections

80-Hg-199



6

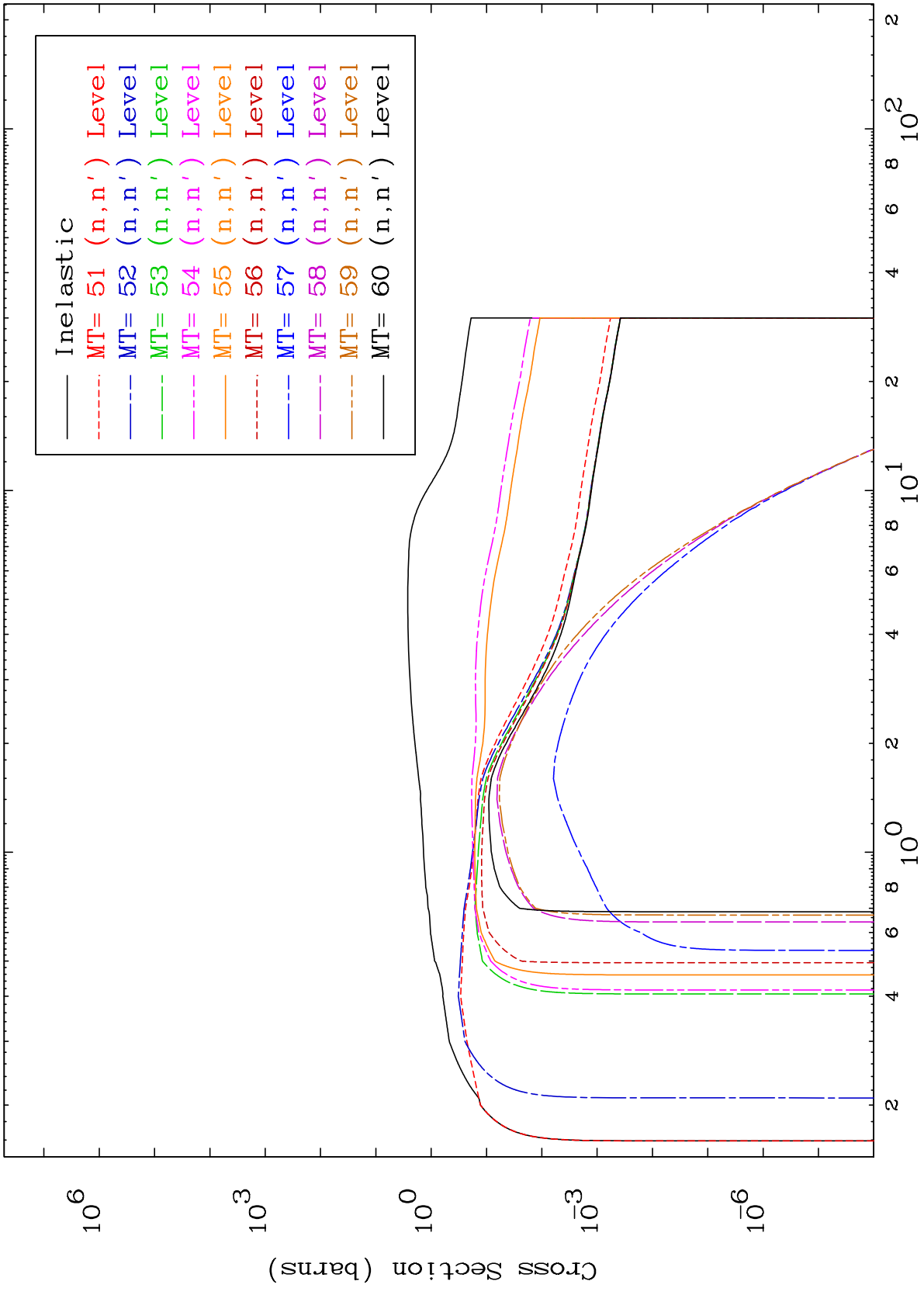
Incident Energy (MeV)

80-Hg-199

MAT 8034

(n,n') Level  
293 Kelvin Cross Sections

80-Hg-199



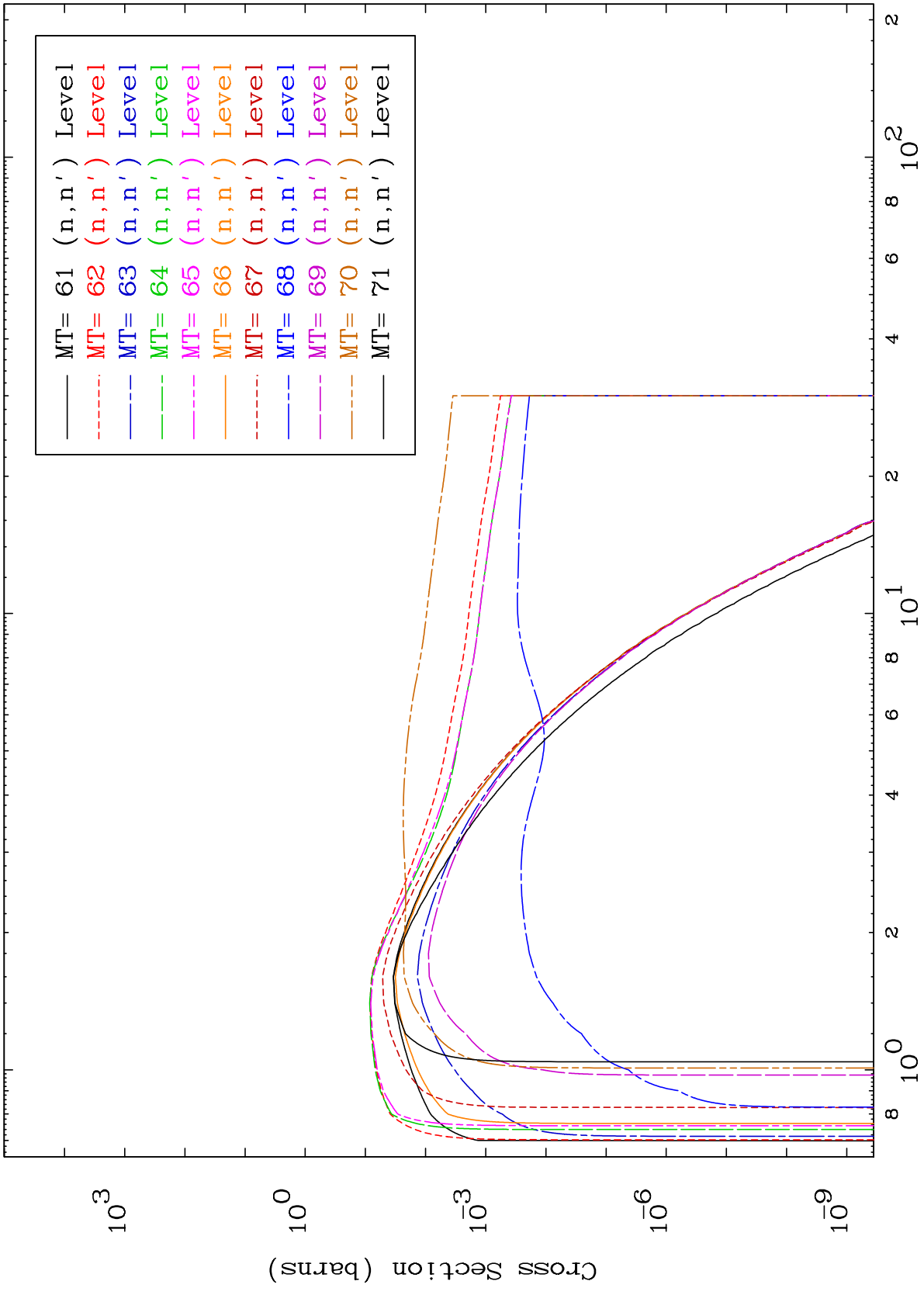


MAT 8034

(n,n') Level

80-Hg-199

293 Kelvin Cross Sections



8

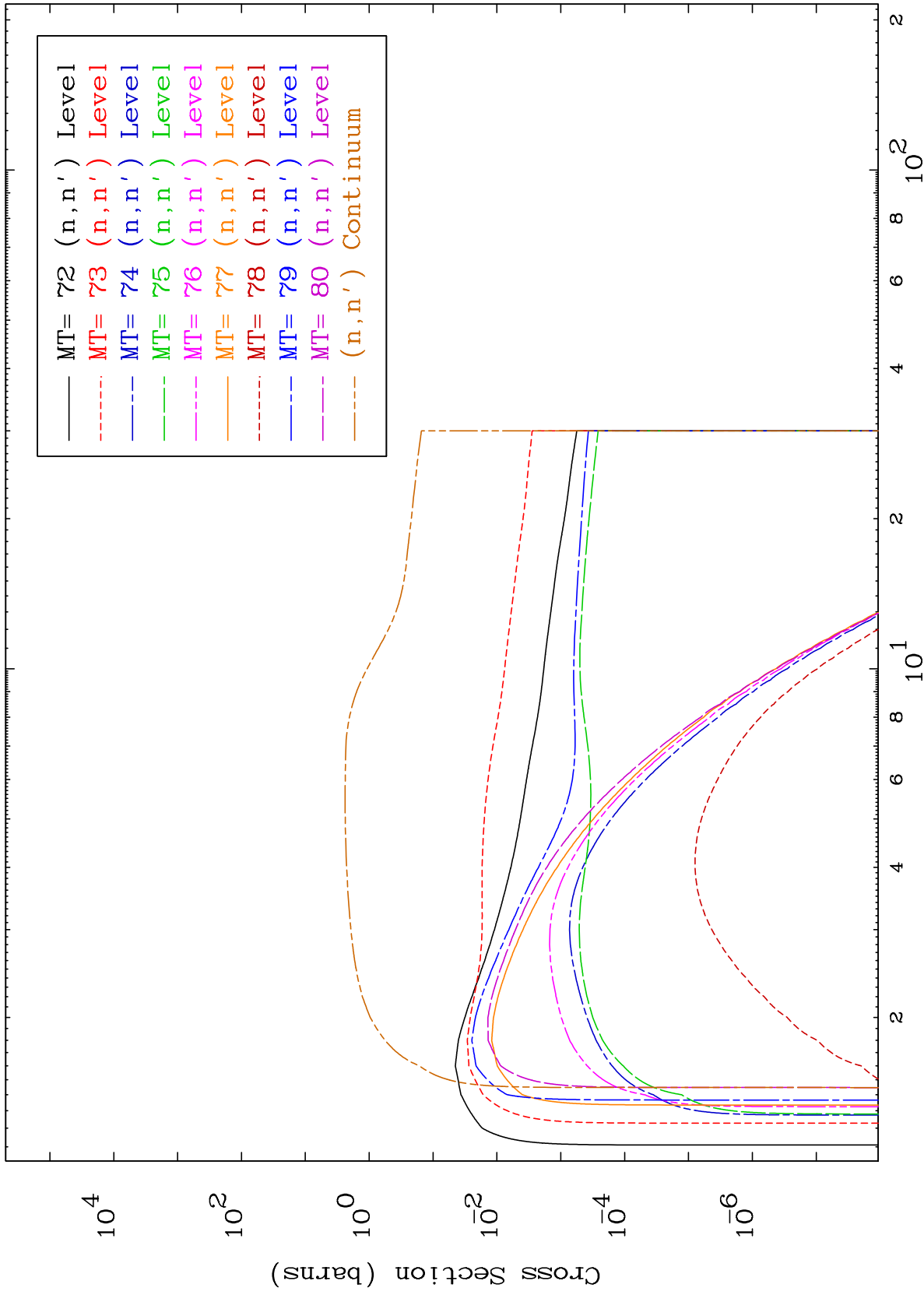
Incident Energy (MeV)

80-Hg-199

MAT 8034

(n,n') Level  
293 Kelvin Cross Sections

80-Hg-199



9

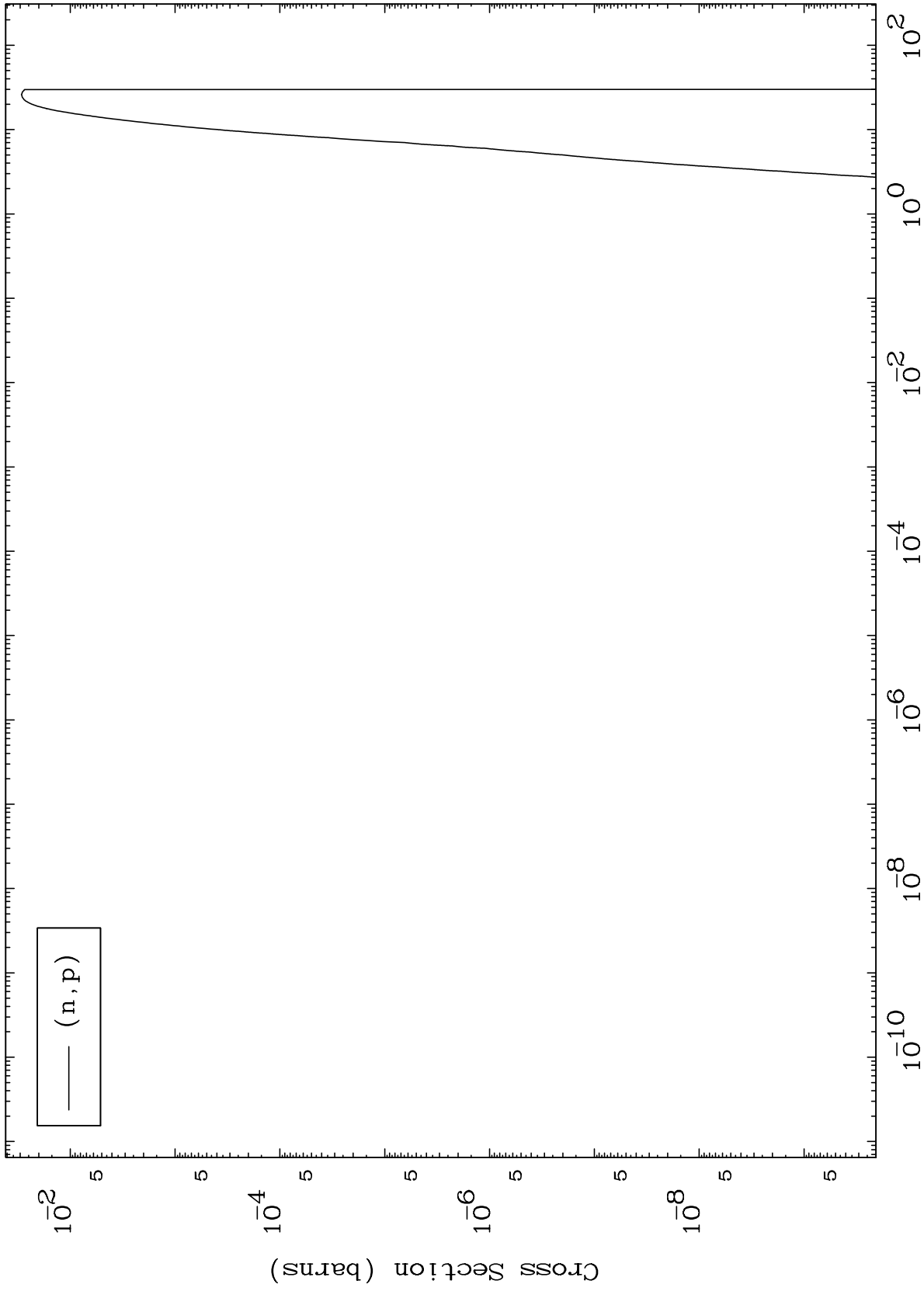
Incident Energy (MeV)

80-Hg-199

MAT 8034

(n,p) Levels  
293 Kelvin Cross Sections

80-Hg-199



10

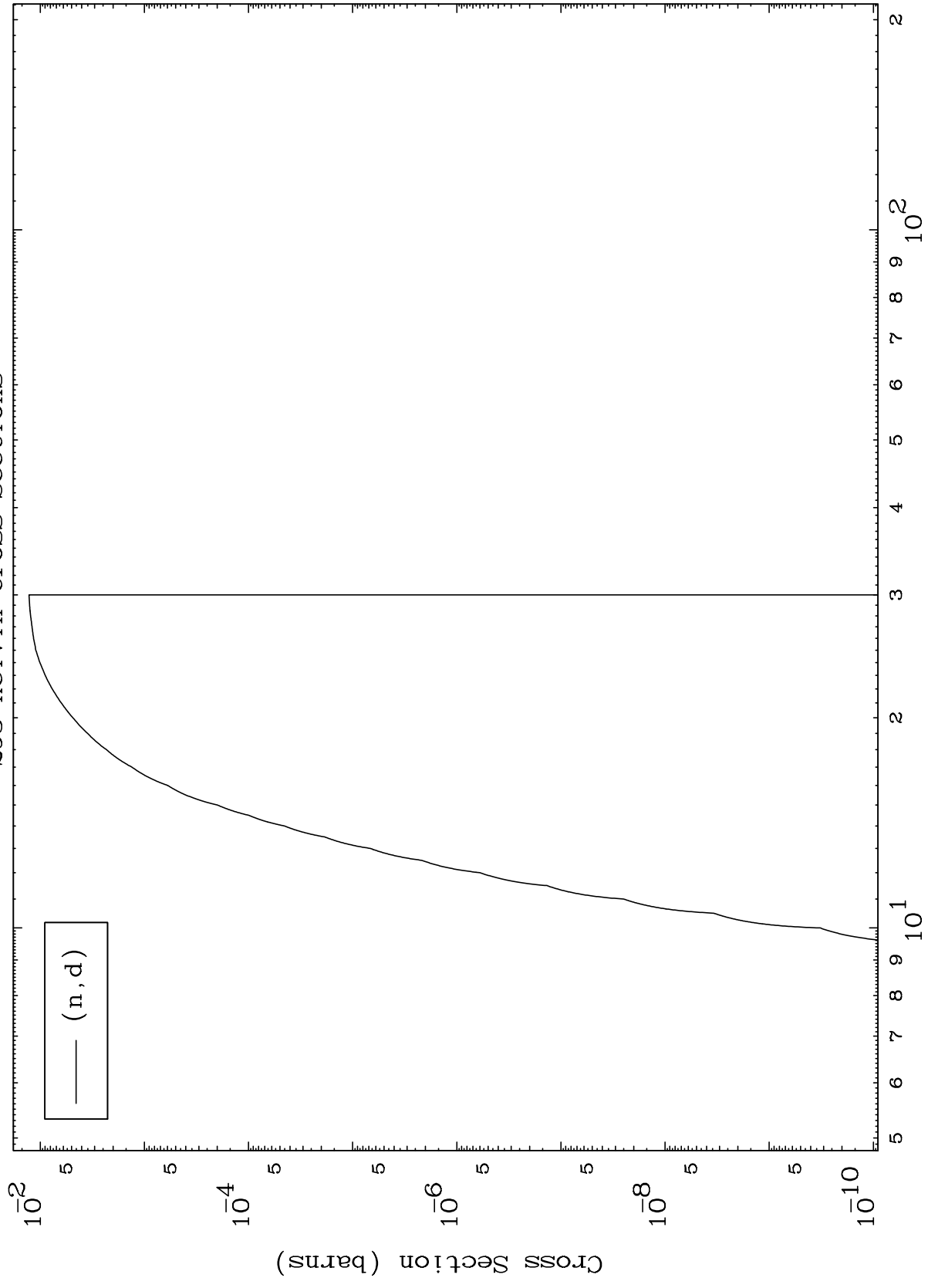
Incident Energy (MeV)

80-Hg-199

MAT 8034

(n,d) Levels  
293 Kelvin Cross Sections

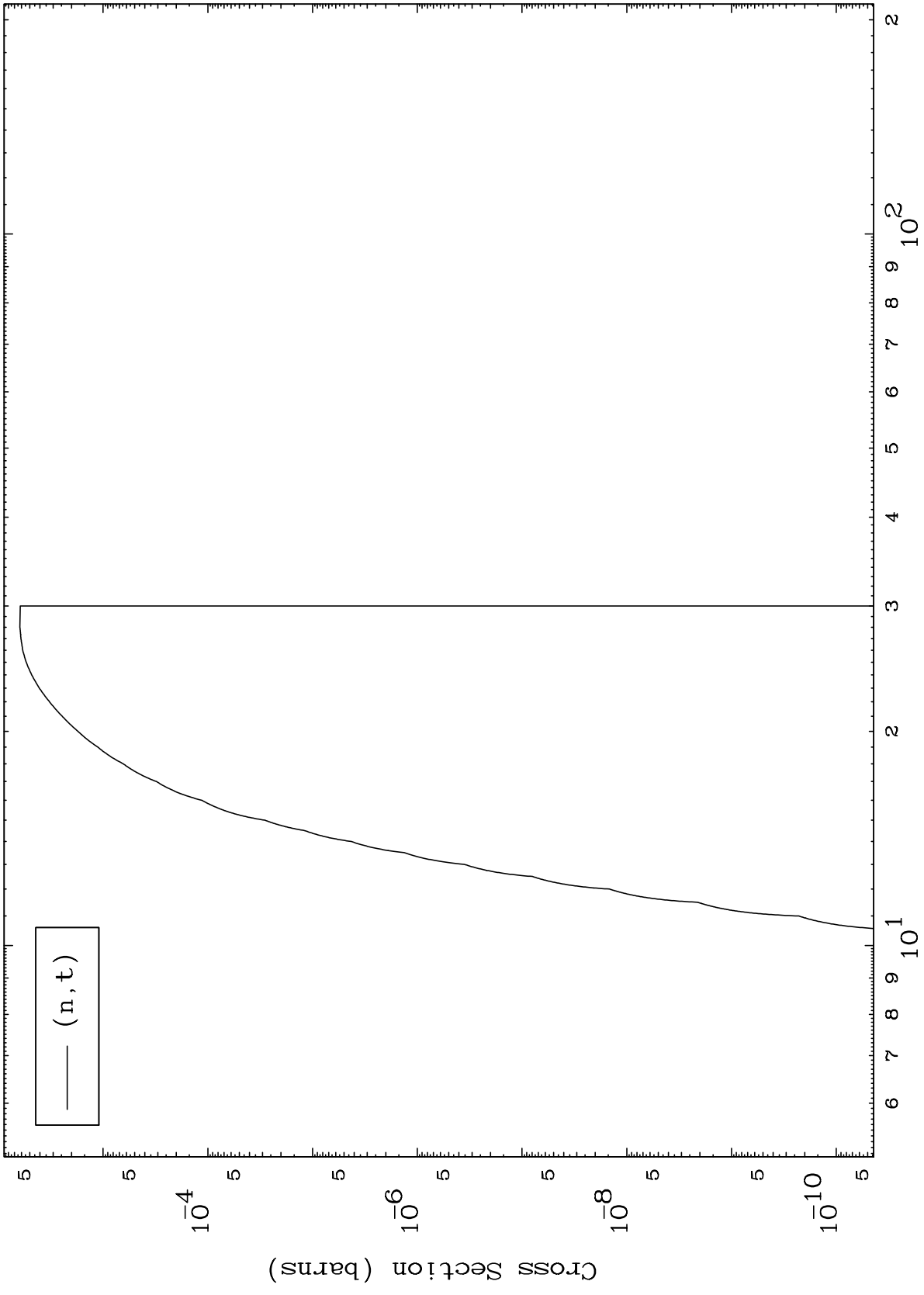
80-Hg-199



MAT 8034

(n,t) Levels  
293 Kelvin Cross Sections

80-Hg-199



12

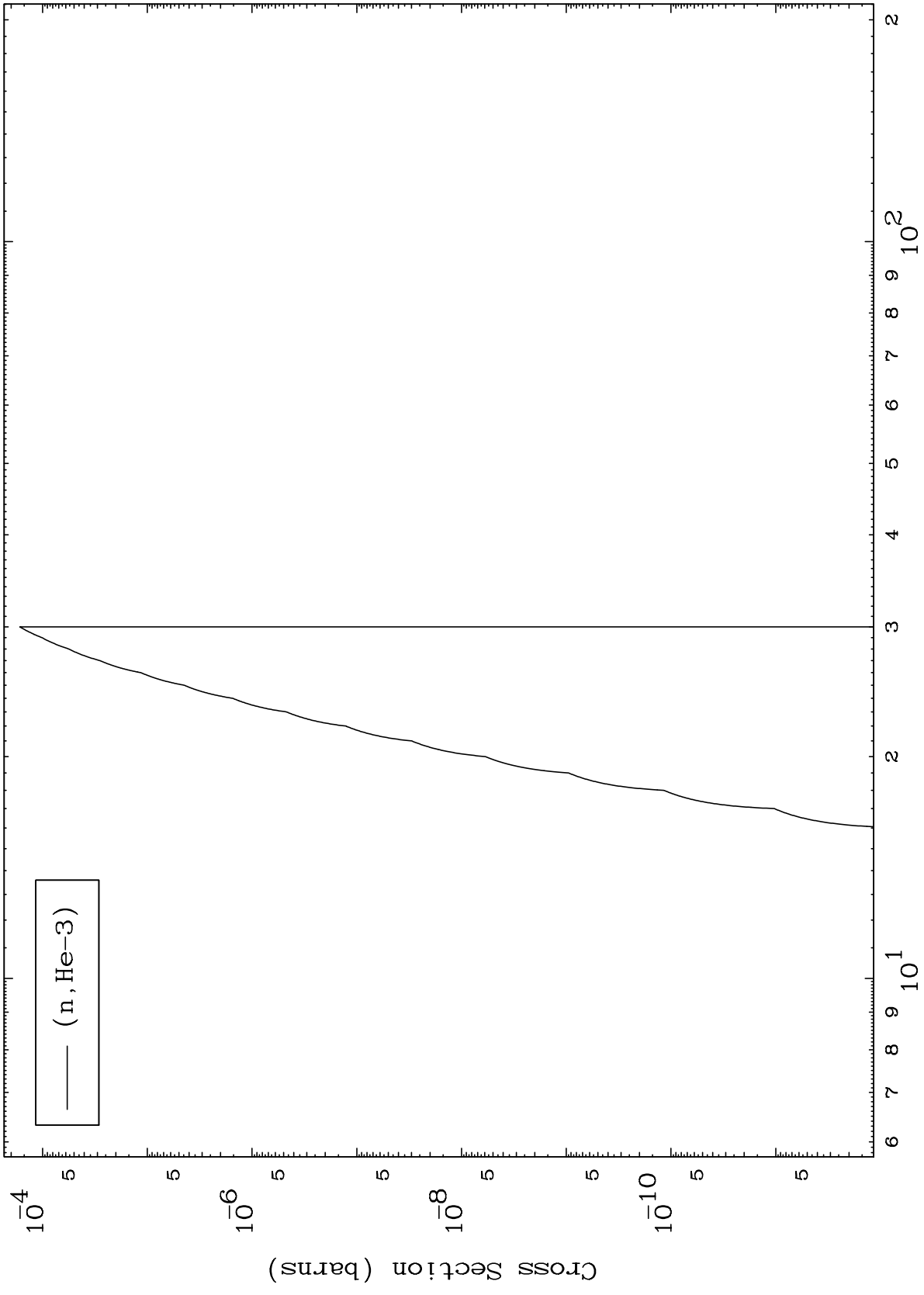
Incident Energy (MeV)

80-Hg-199

MAT 8034

(n,He3) Levels  
293 Kelvin Cross Sections

80-Hg-199



13

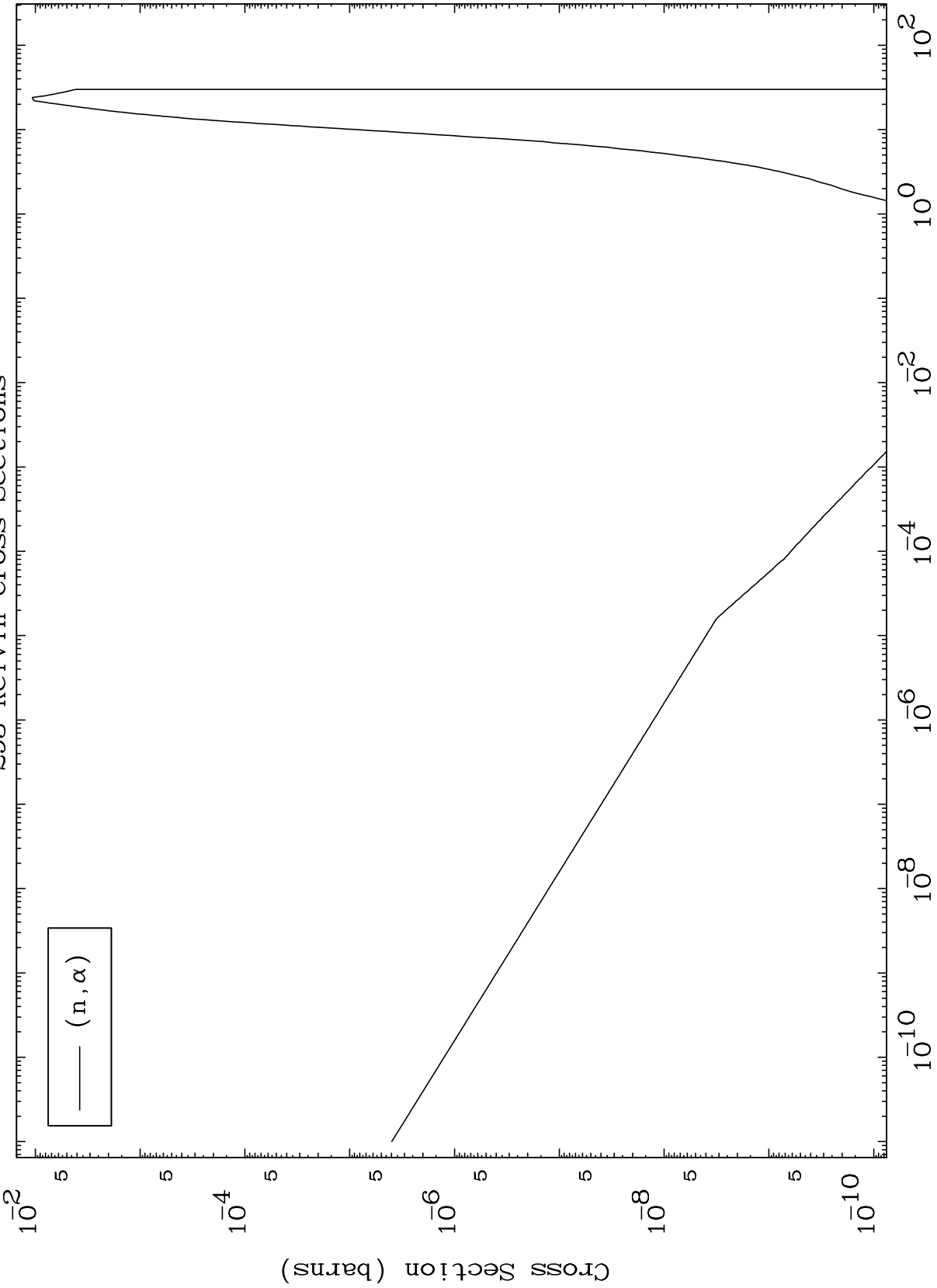
Incident Energy (MeV)

80-Hg-199

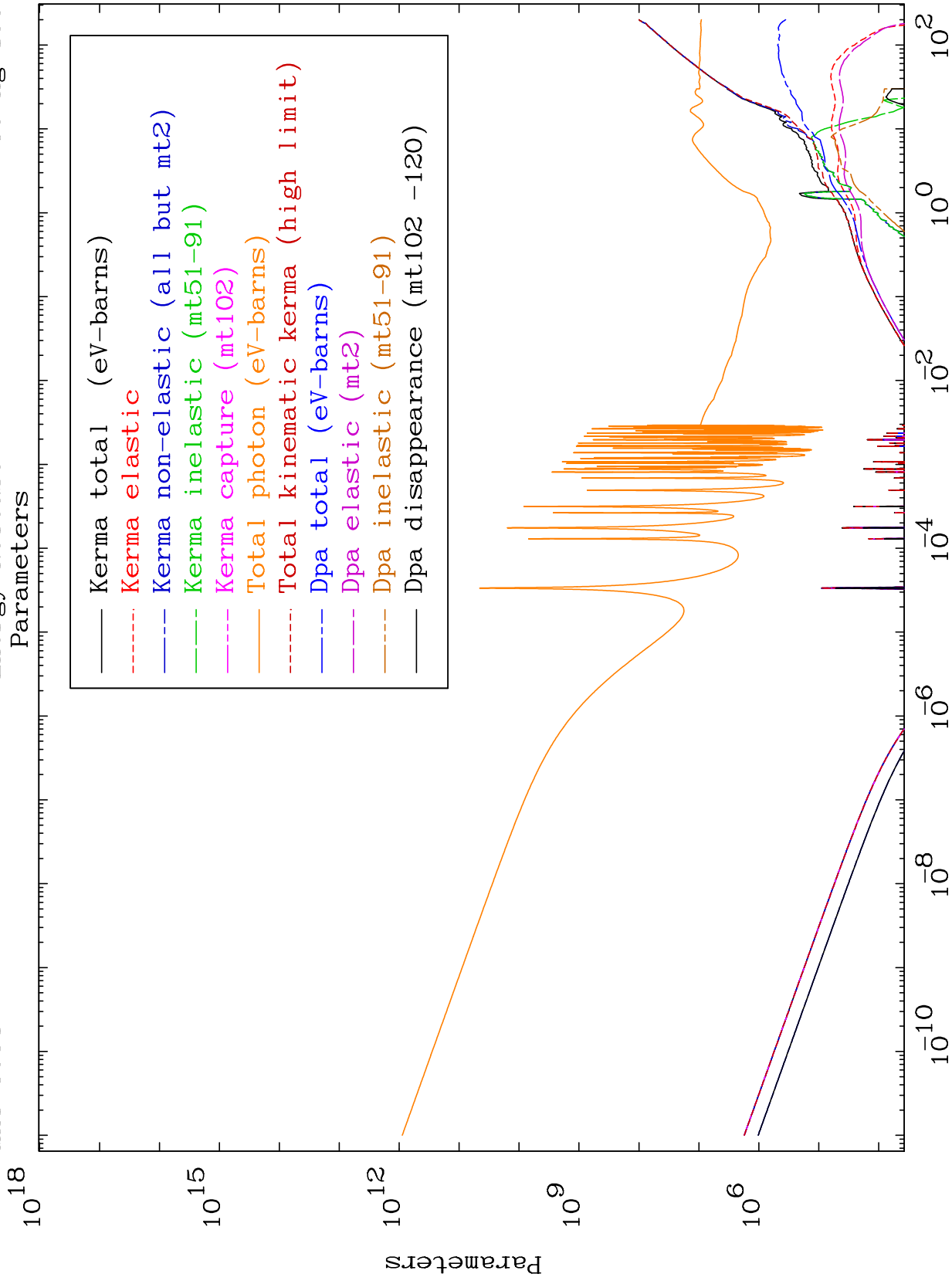
MAT 8034

(n,α) Levels  
293 Kelvin Cross Sections

80-Hg-199



80-Hg-199

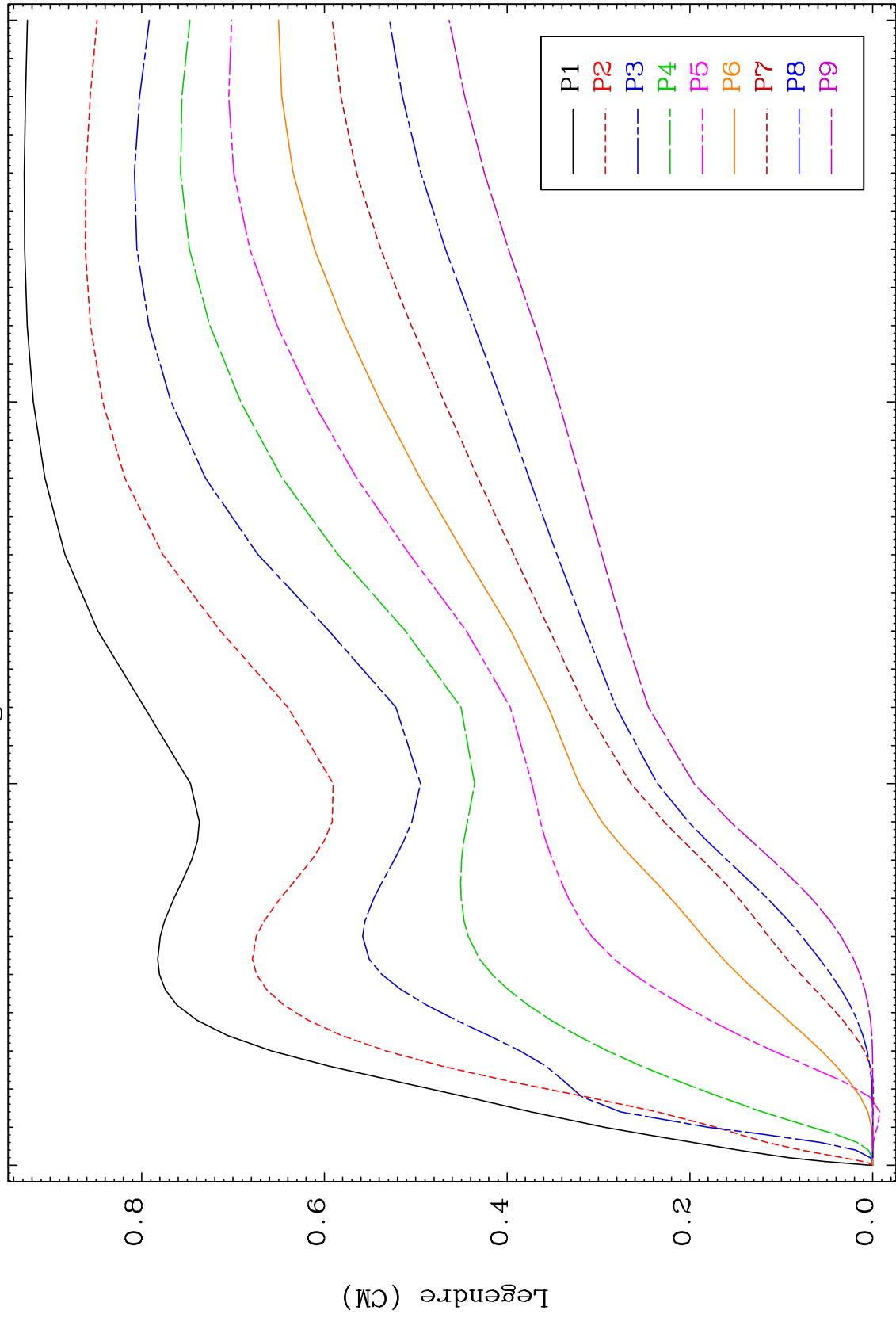




MAT 8034

Elastic Legendre Coefficients

80-Hg-199



0

16

10

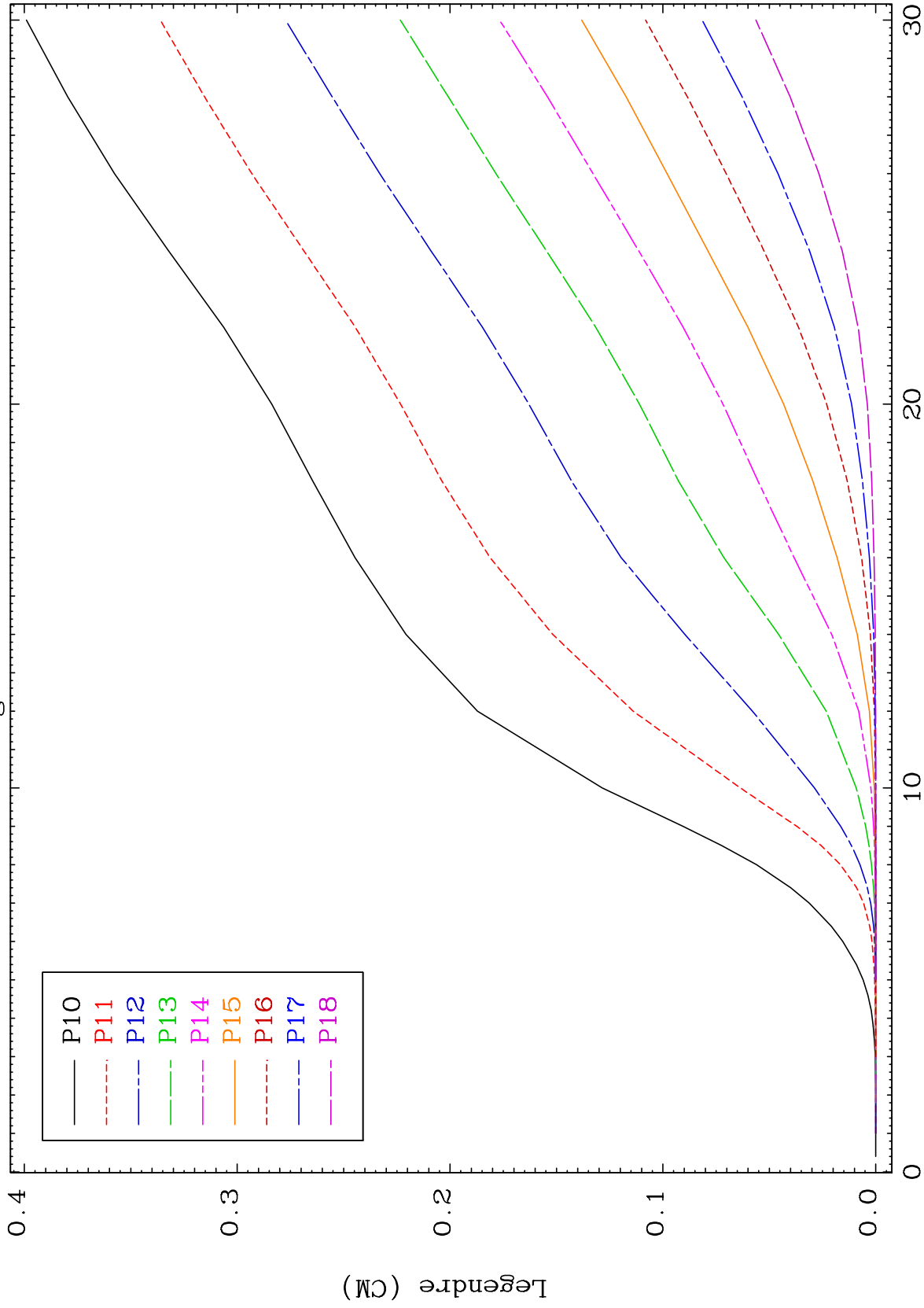
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30

MAT 8034

Elastic Legendre Coefficients

80-Hg-199



17

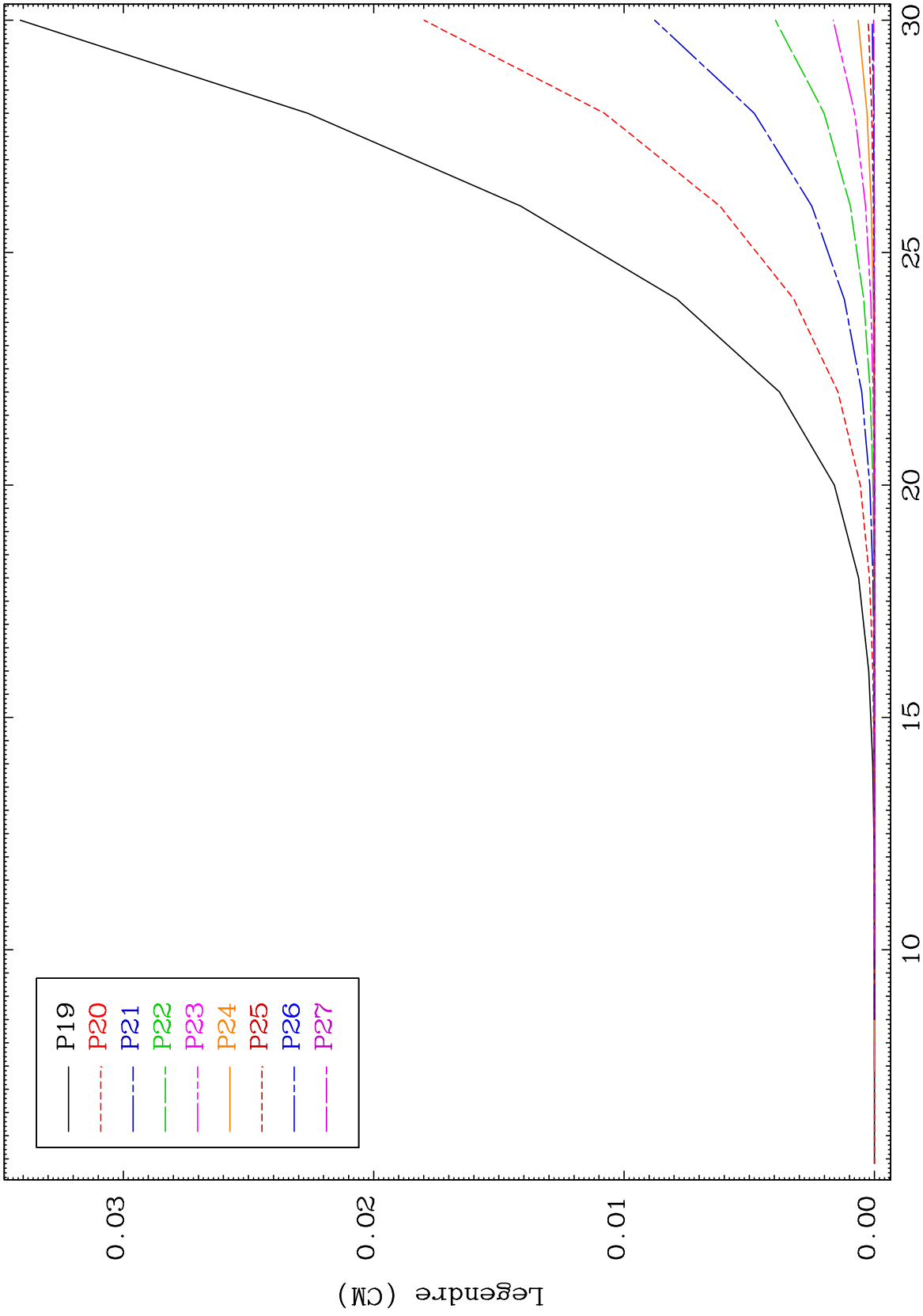
Incident Energy (MeV)

80-Hg-199

MAT 8034

### Elastic Legendre Coefficients

80-Hg-199



18

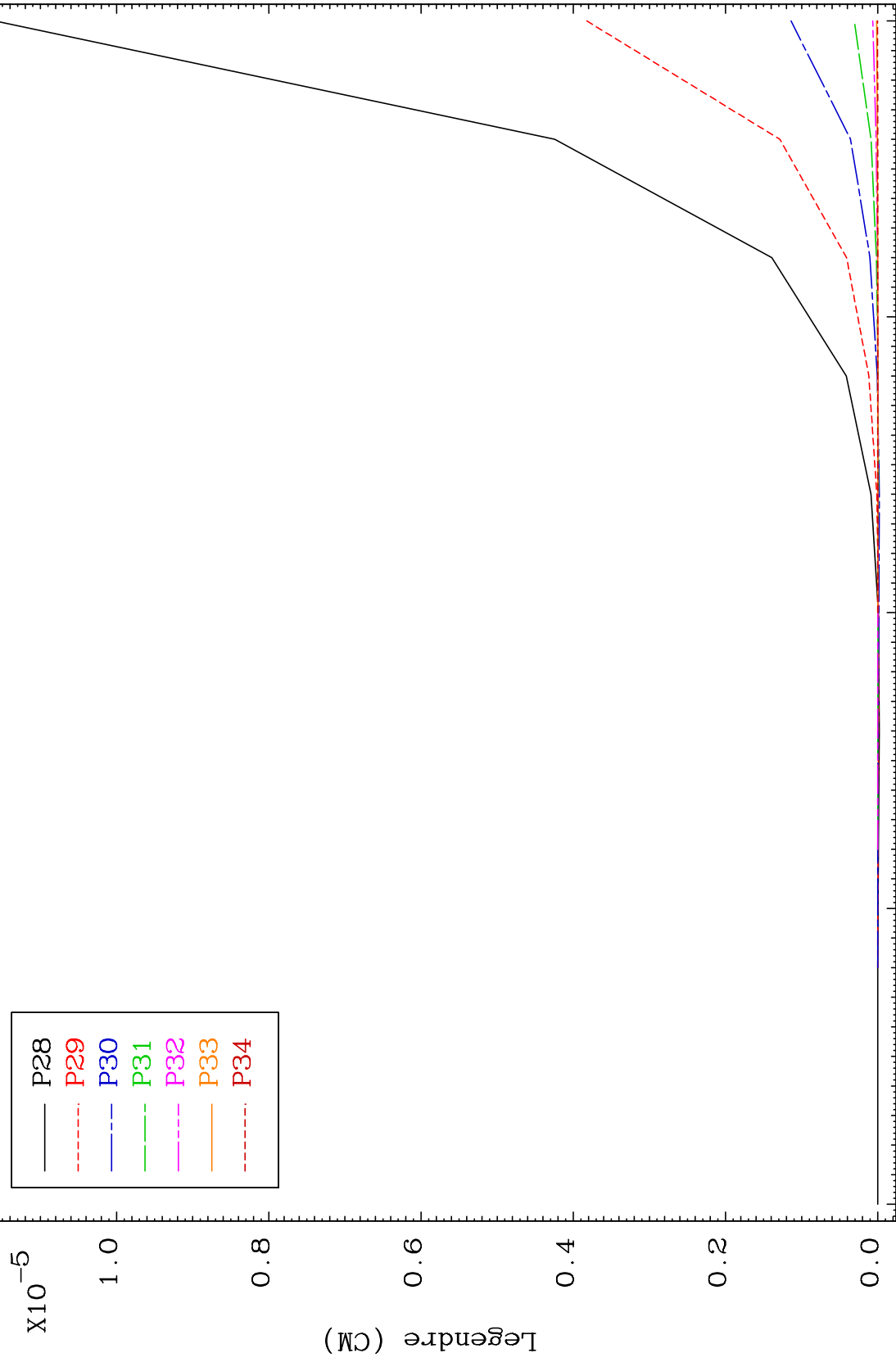
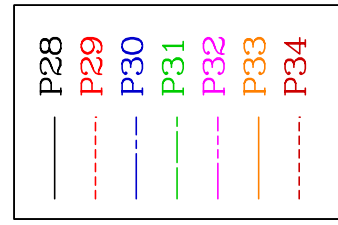
Incident Energy (MeV)

80-Hg-199

MAT 8034

Elastic Legendre Coefficients

80-Hg-199



19

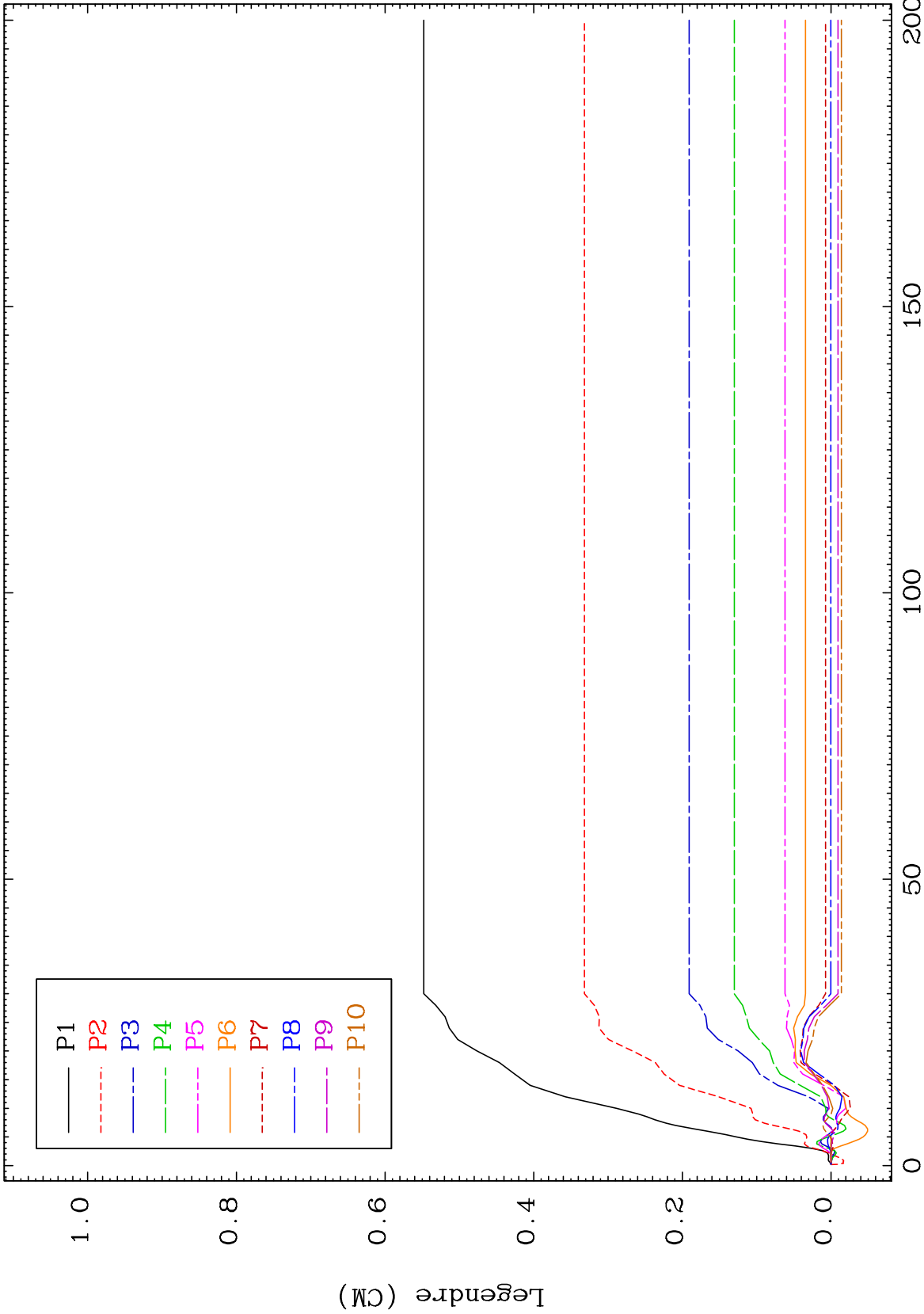
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



80-Hg-199

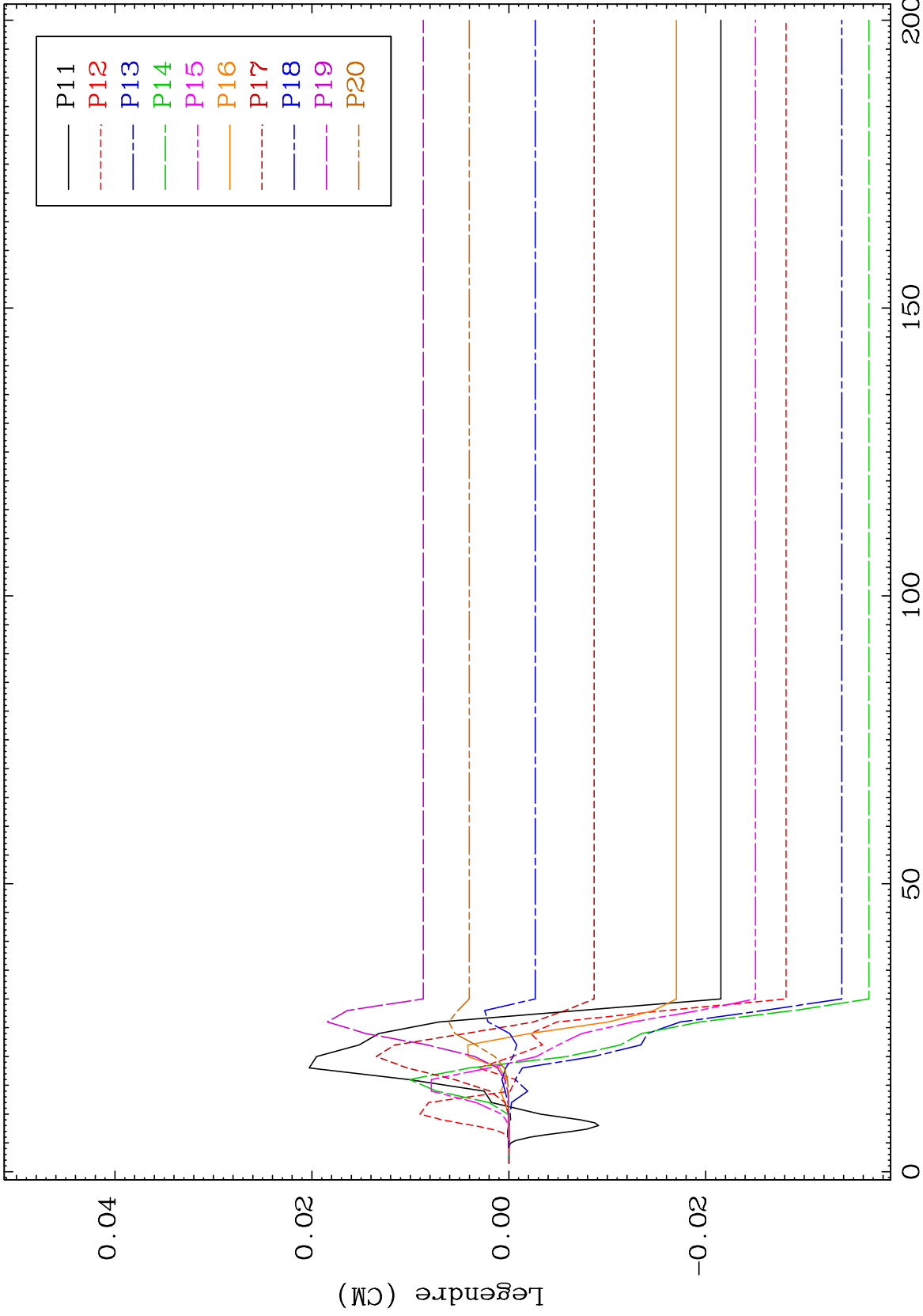
Incident Energy (MeV)

20

MAT 8034

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

80-Hg-199



21

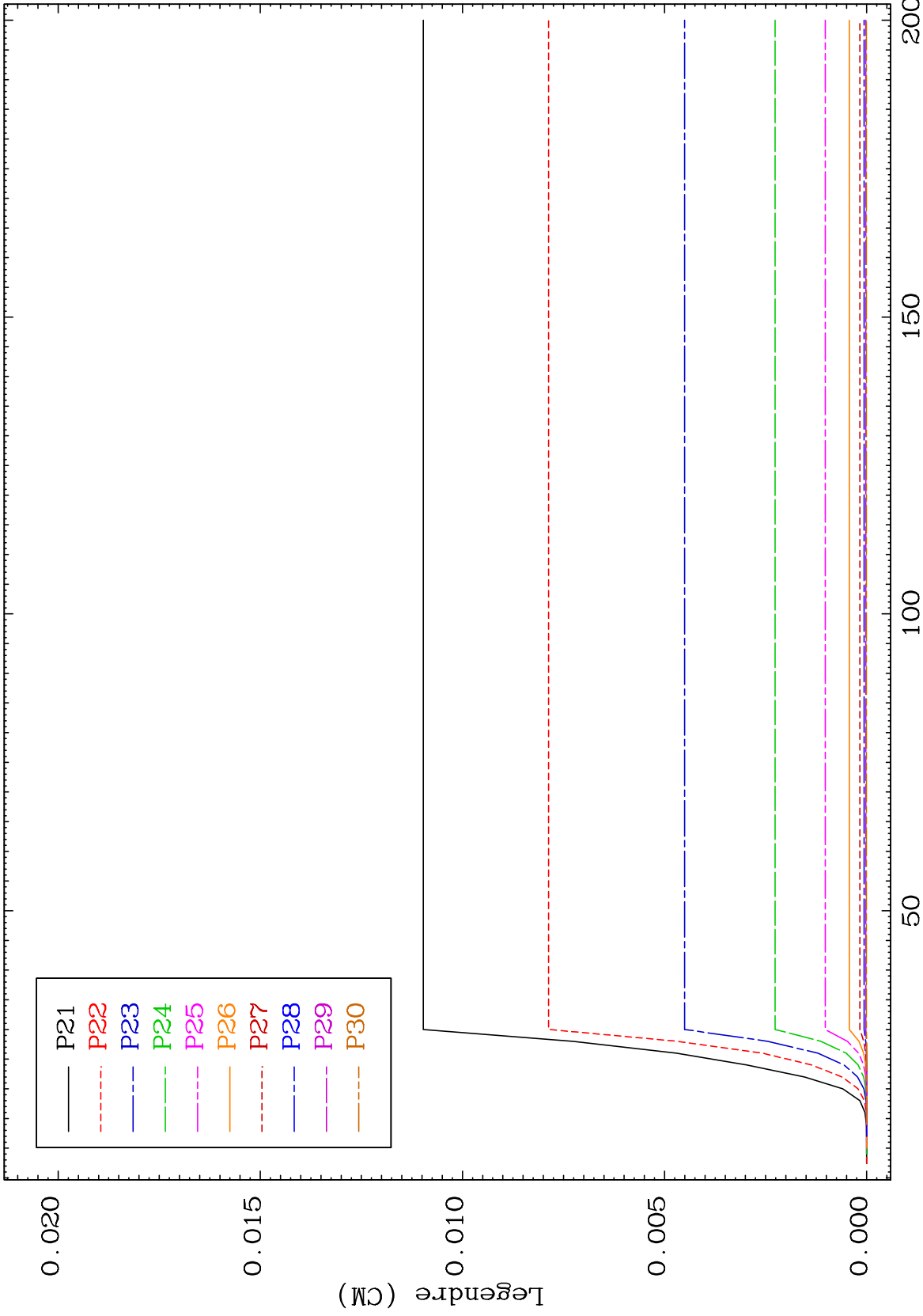
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



22

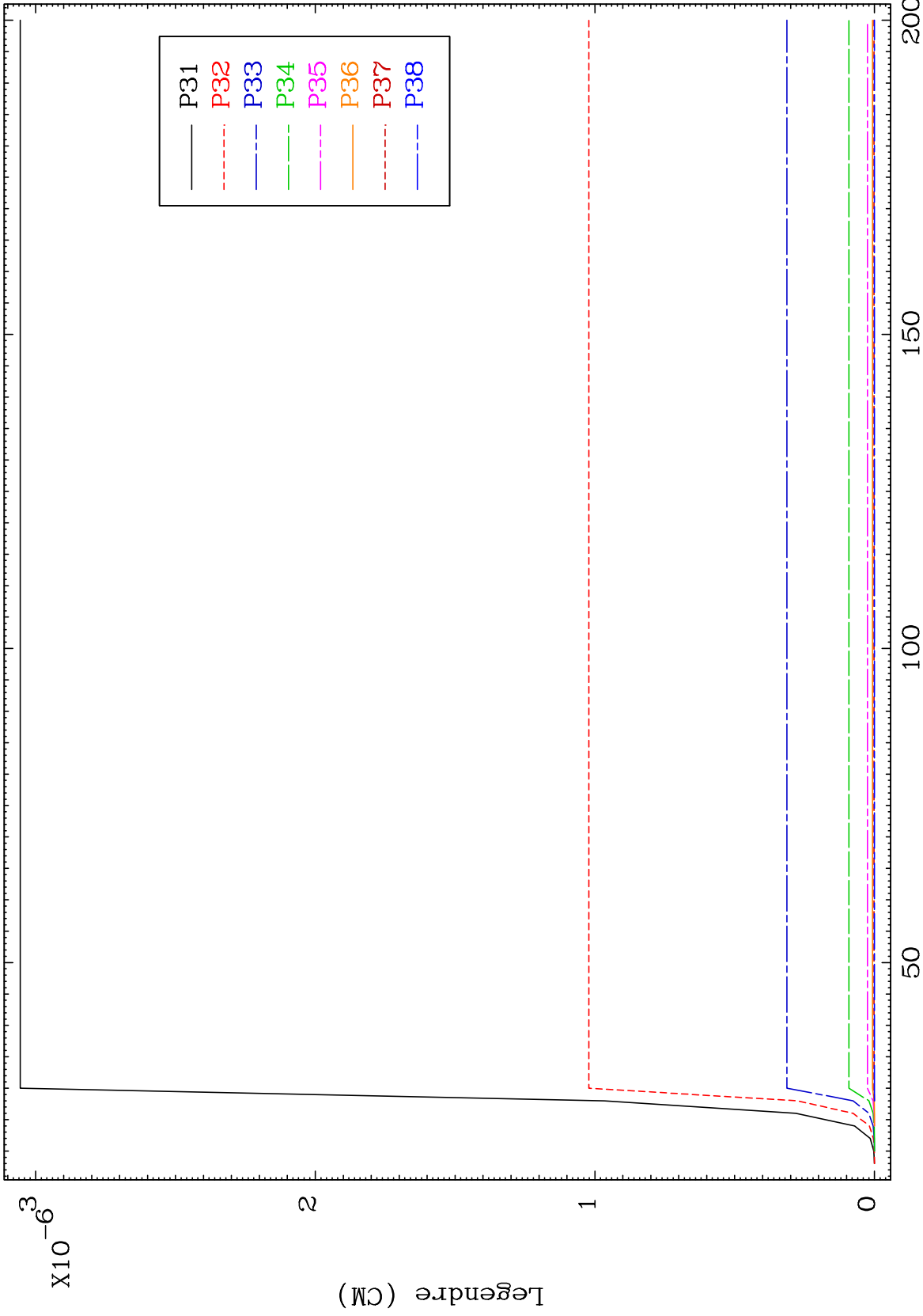
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



23

Incident Energy (MeV)

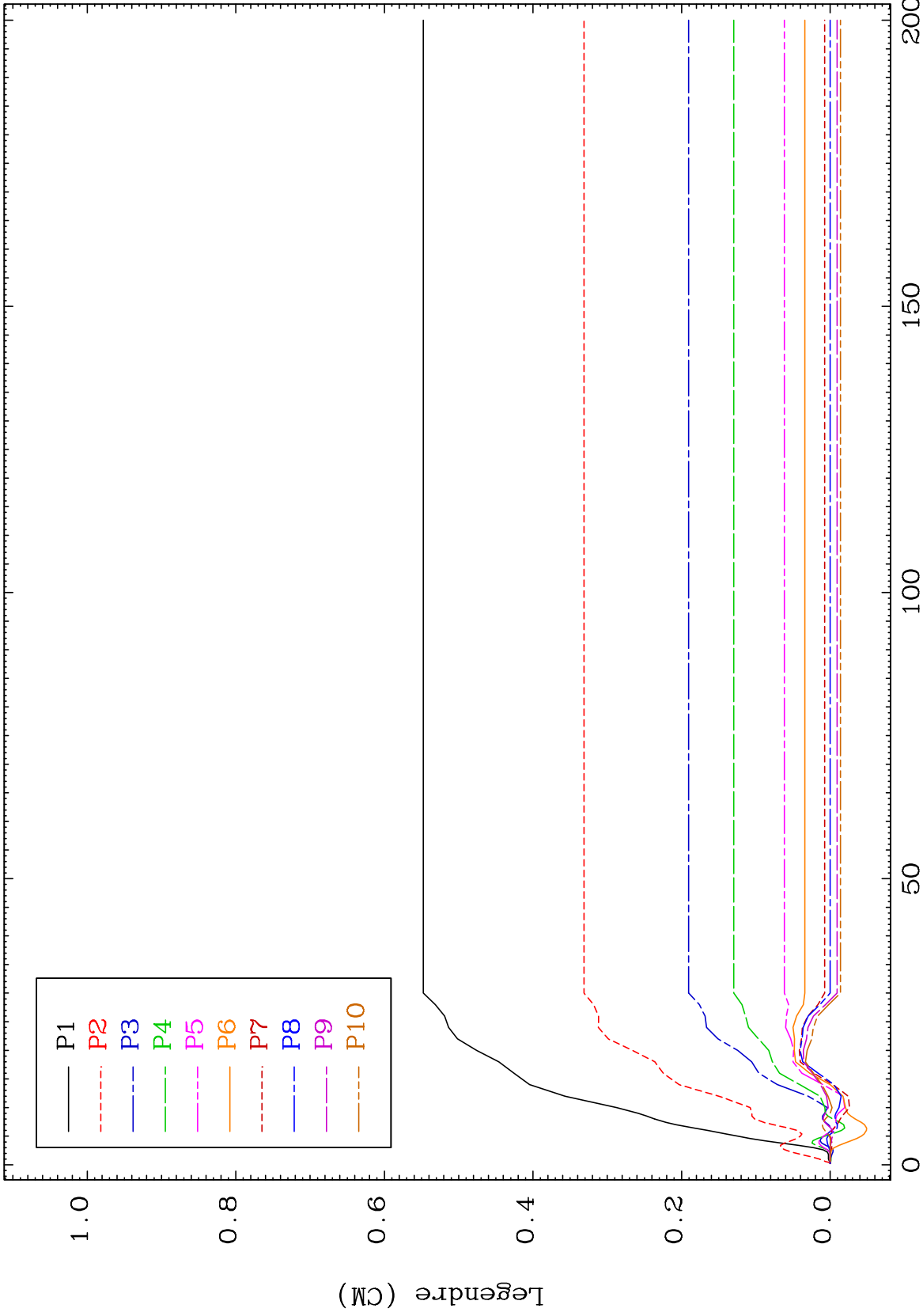
80-Hg-199



MAT 8034

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

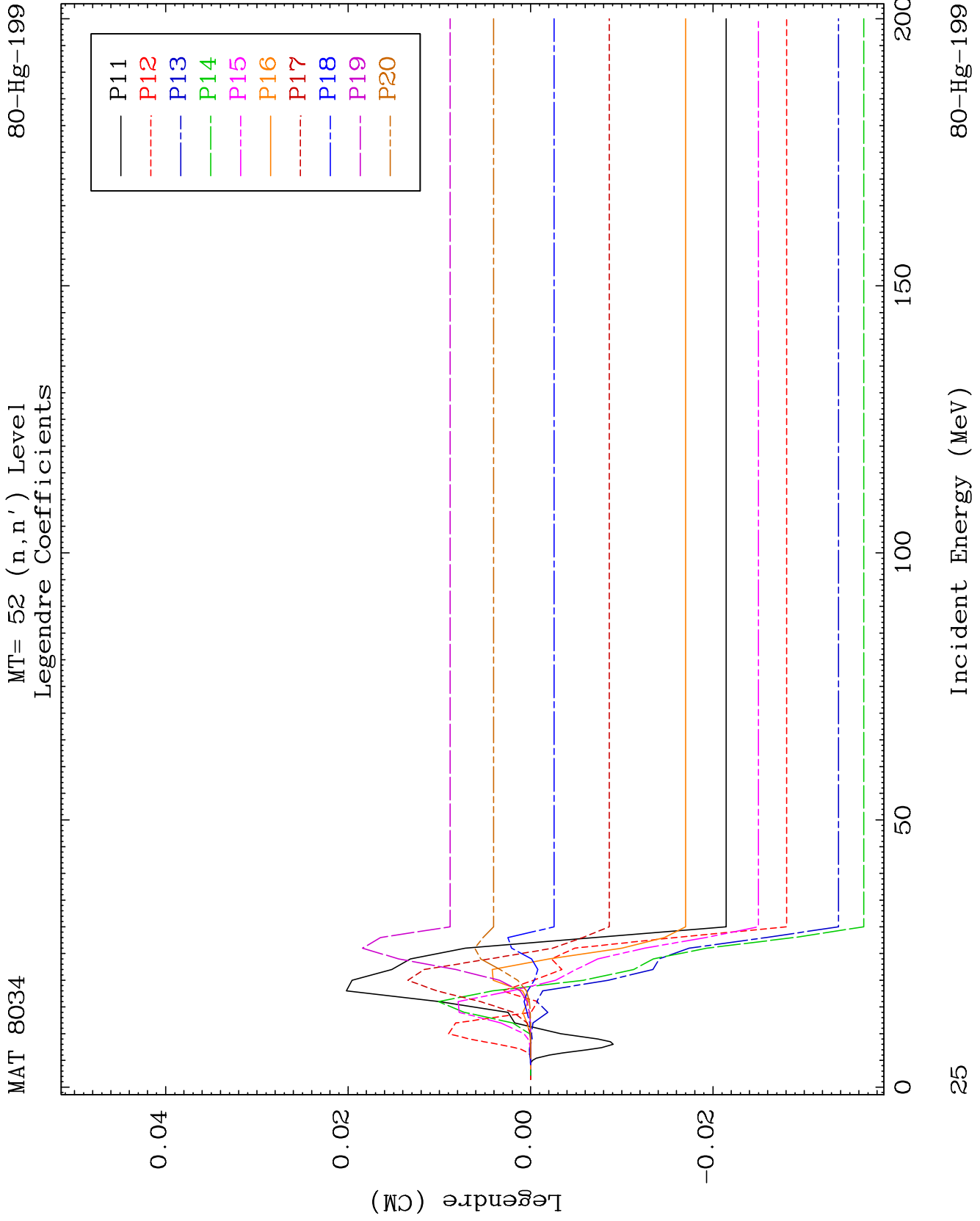
80-Hg-199



24

Incident Energy (MeV)

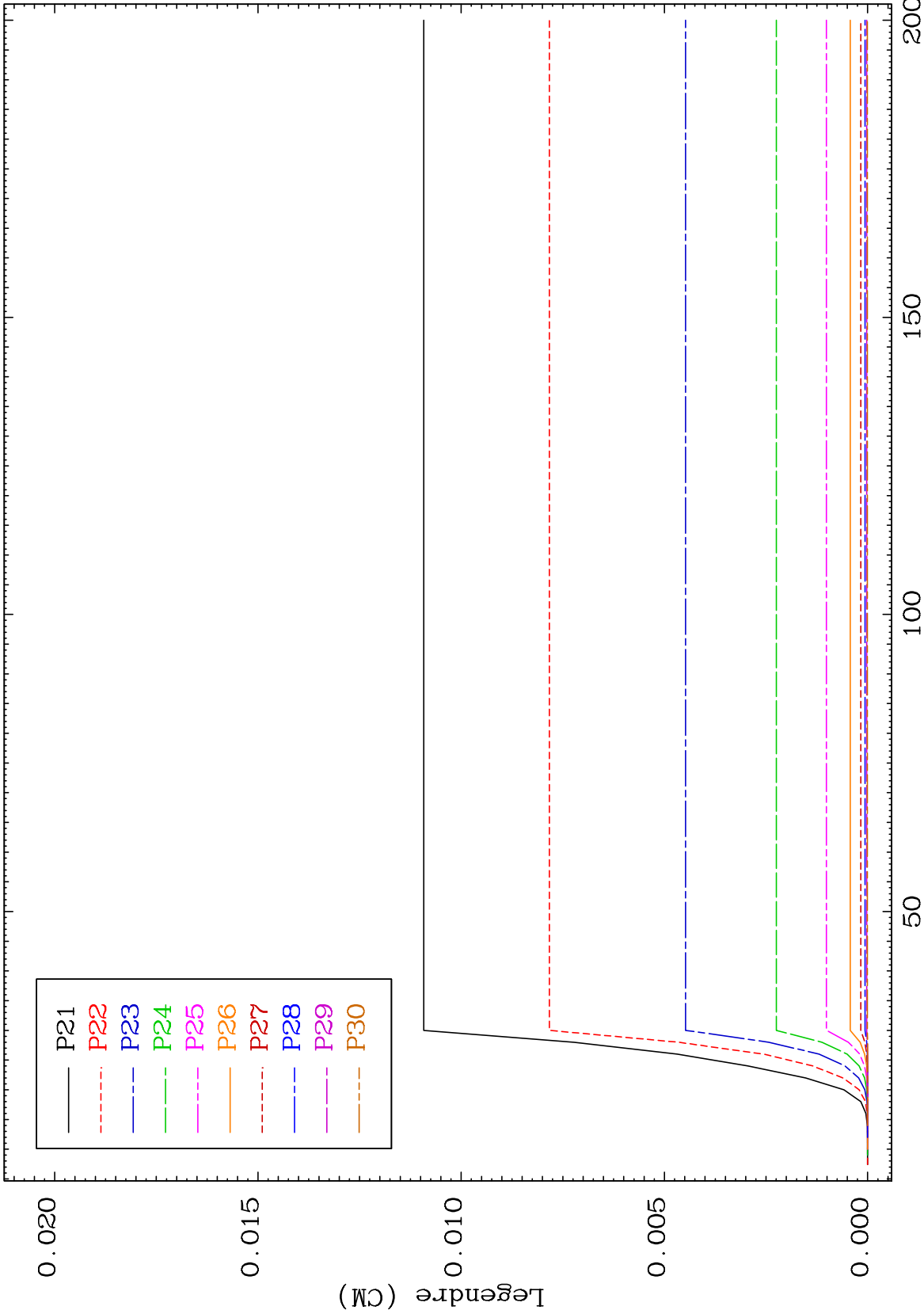
80-Hg-199



MAT 8034

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

80-Hg-199



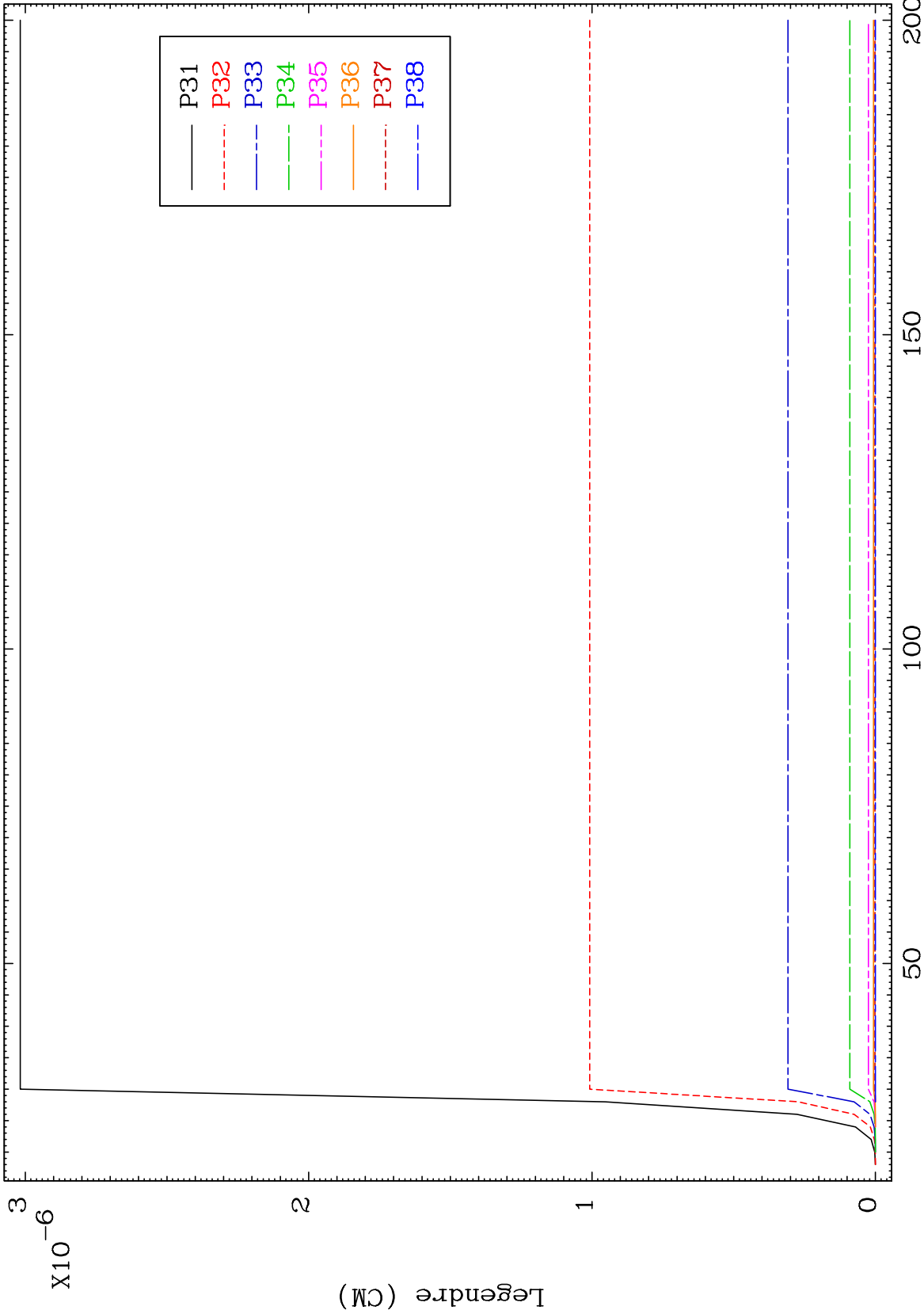
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80-Hg-199

MAT 8034

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

80-Hg-199



27

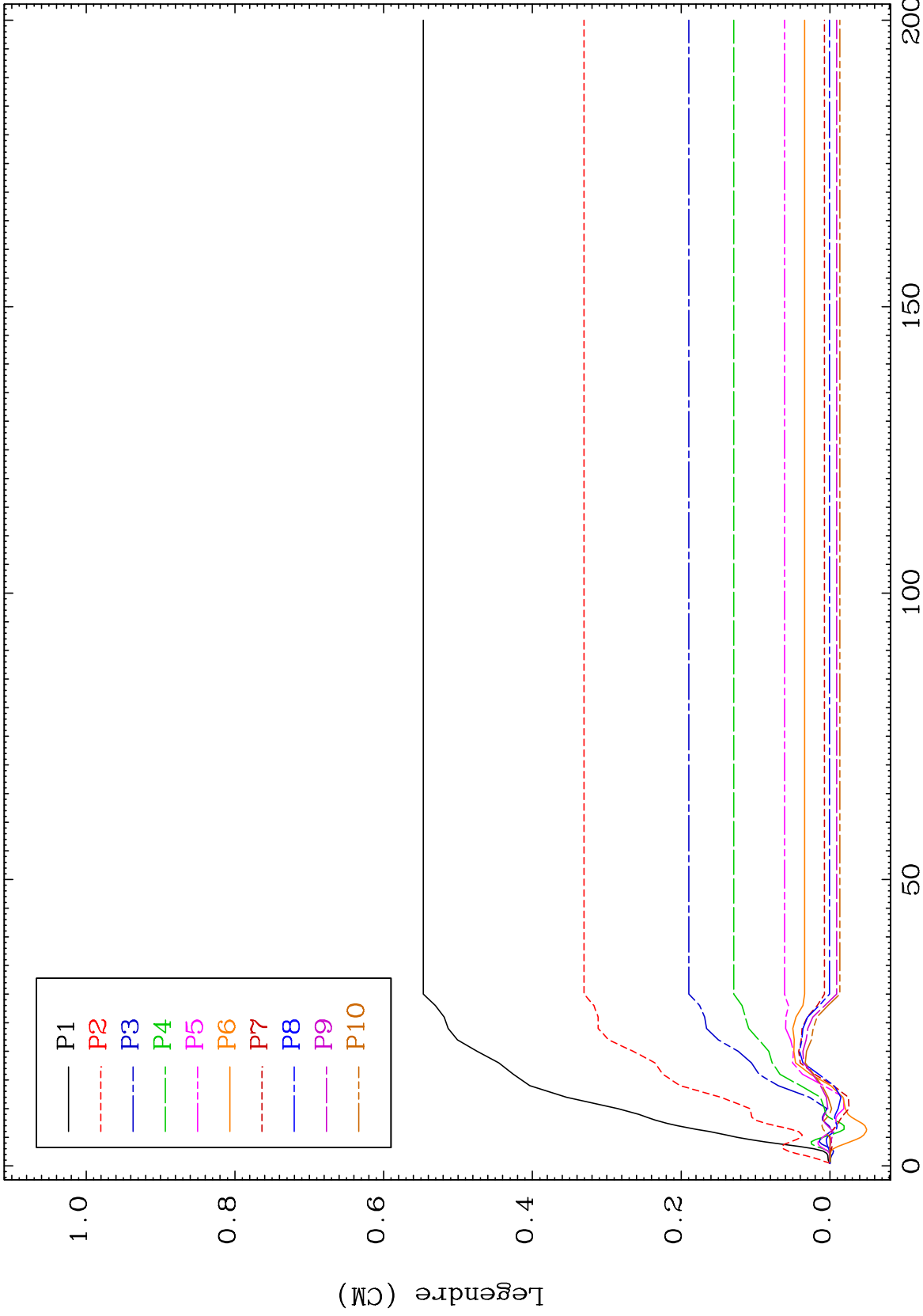
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



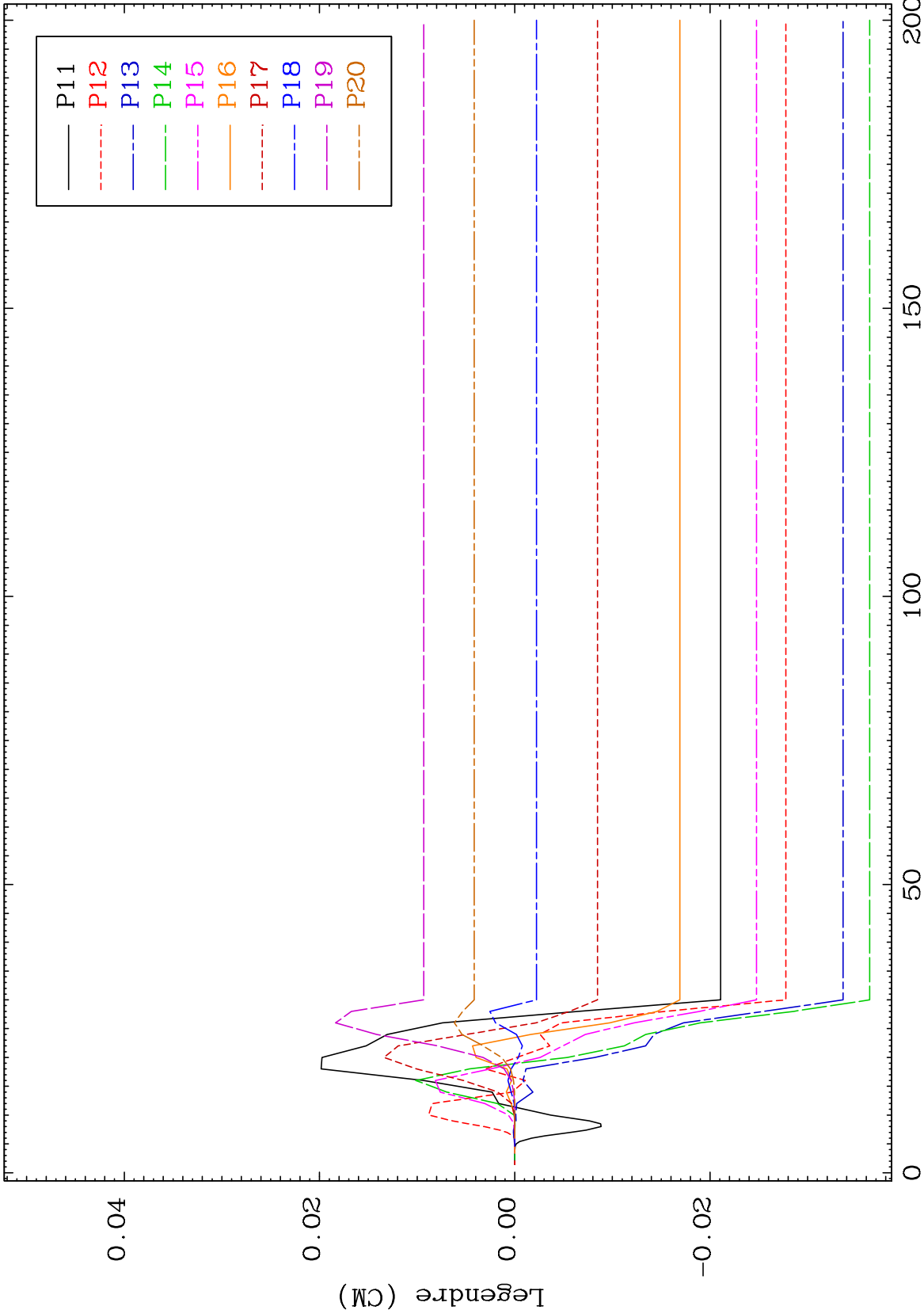
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80-Hg-199

MAT 8034

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

80-Hg-199



29

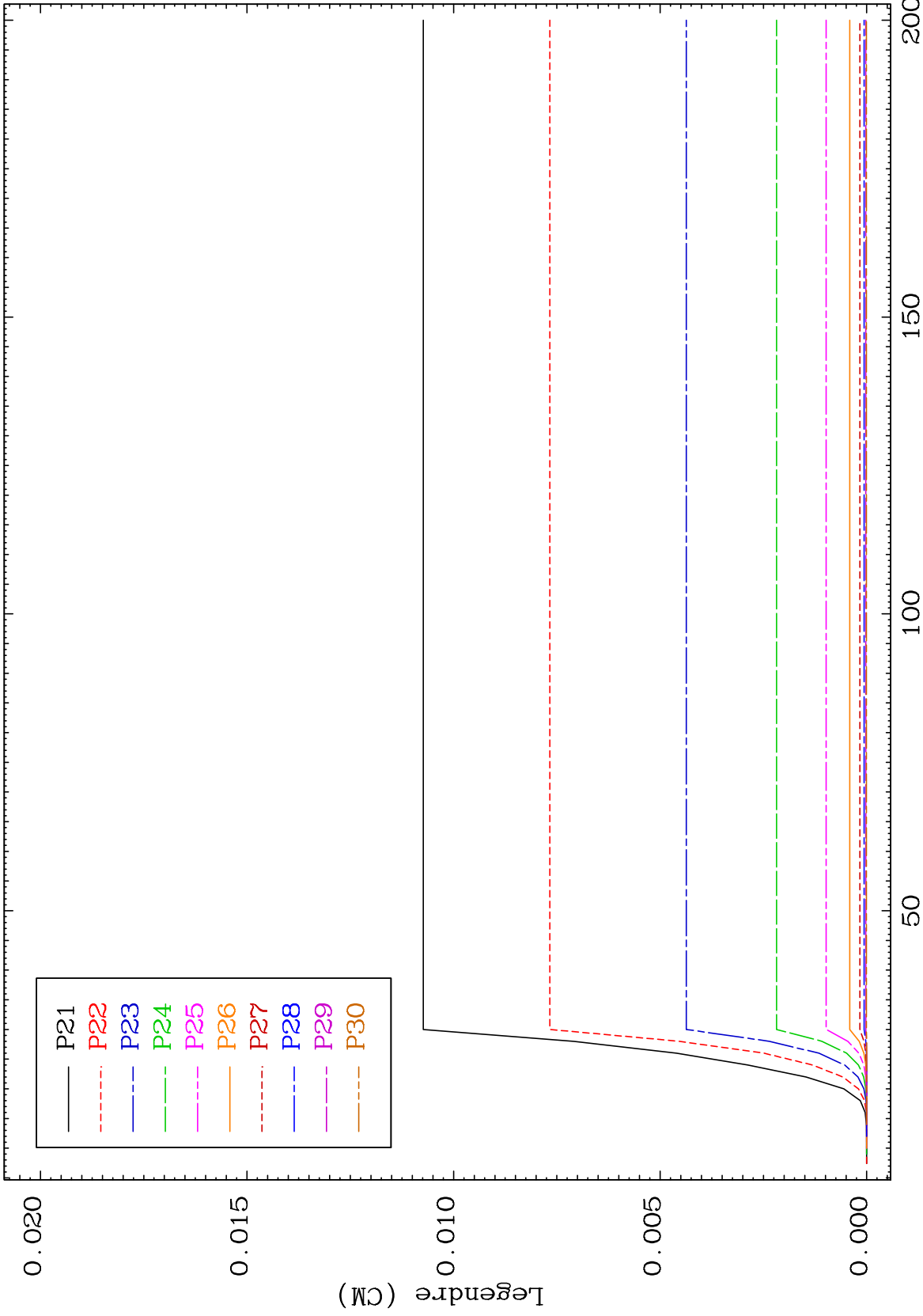
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



30

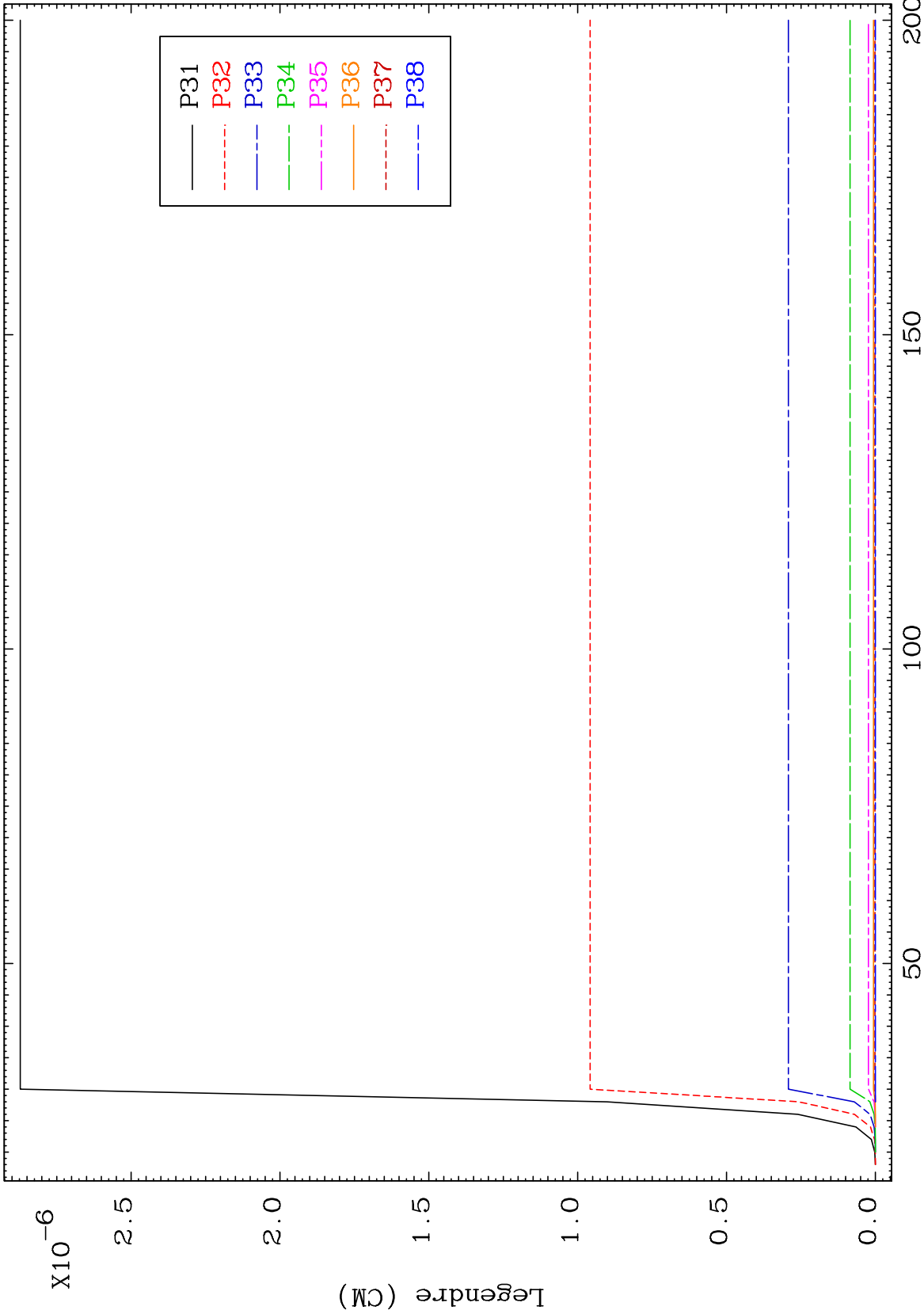
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



31

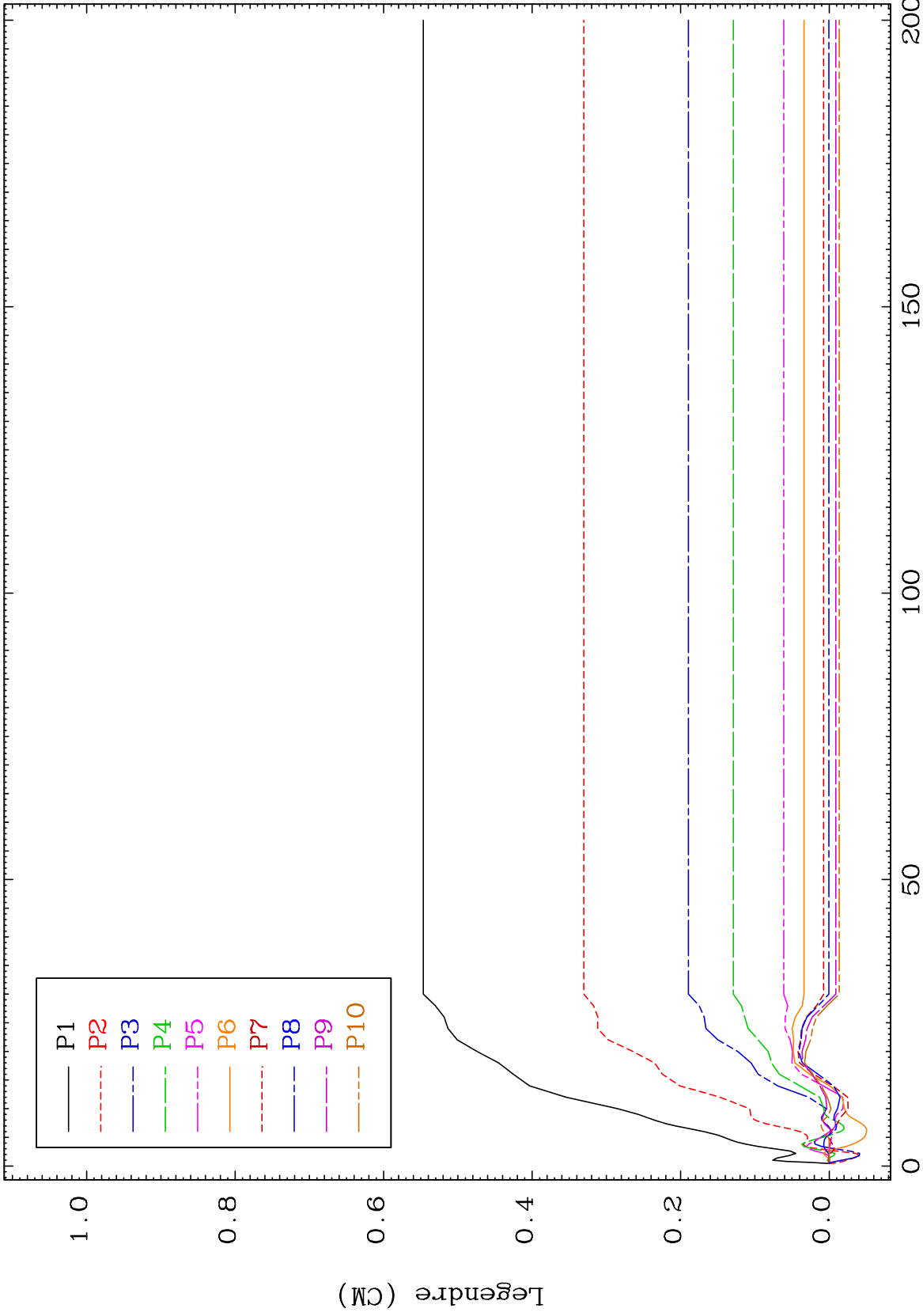
80-Hg-199



MAT 8034

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

80-Hg-199



32

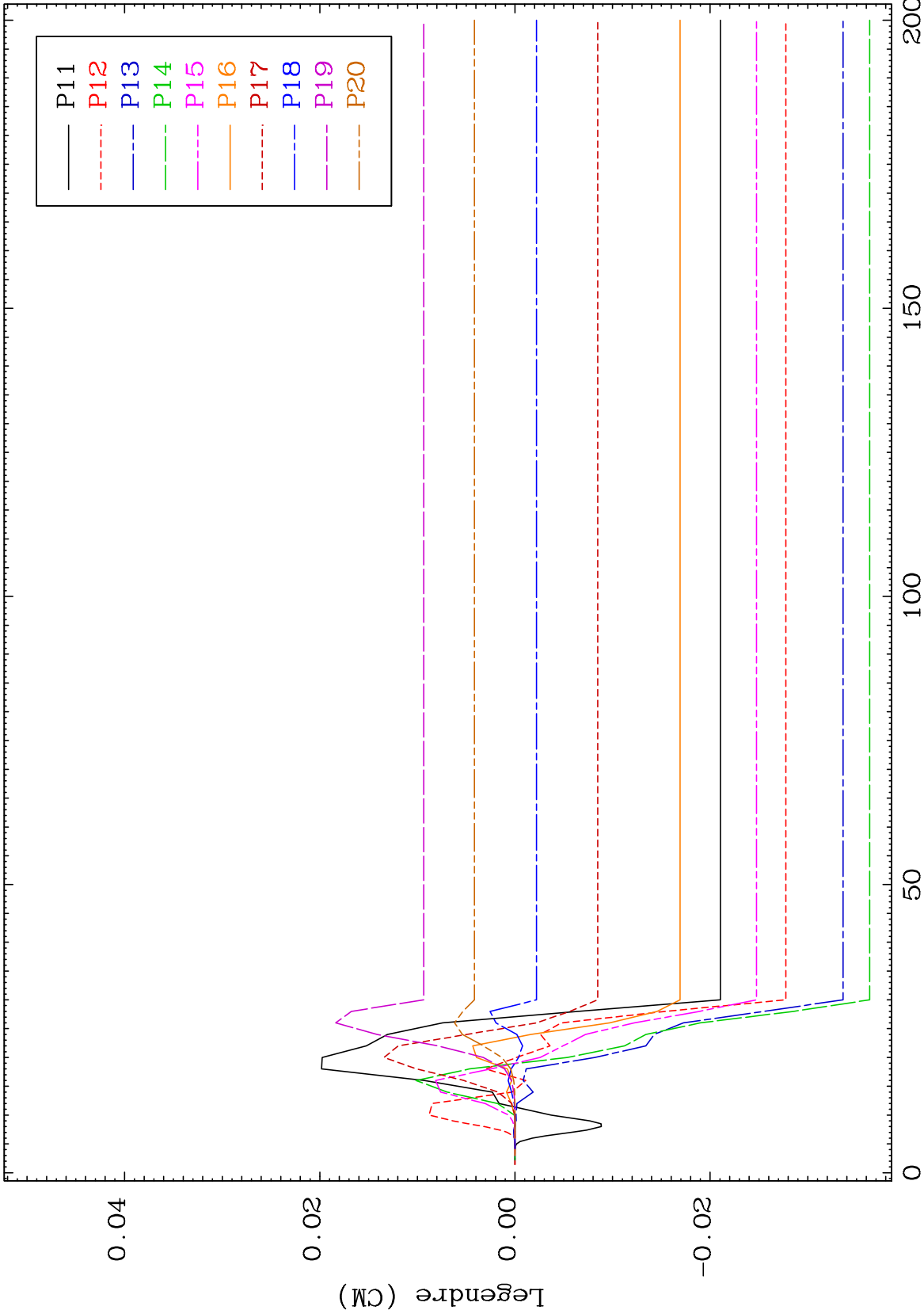
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



33

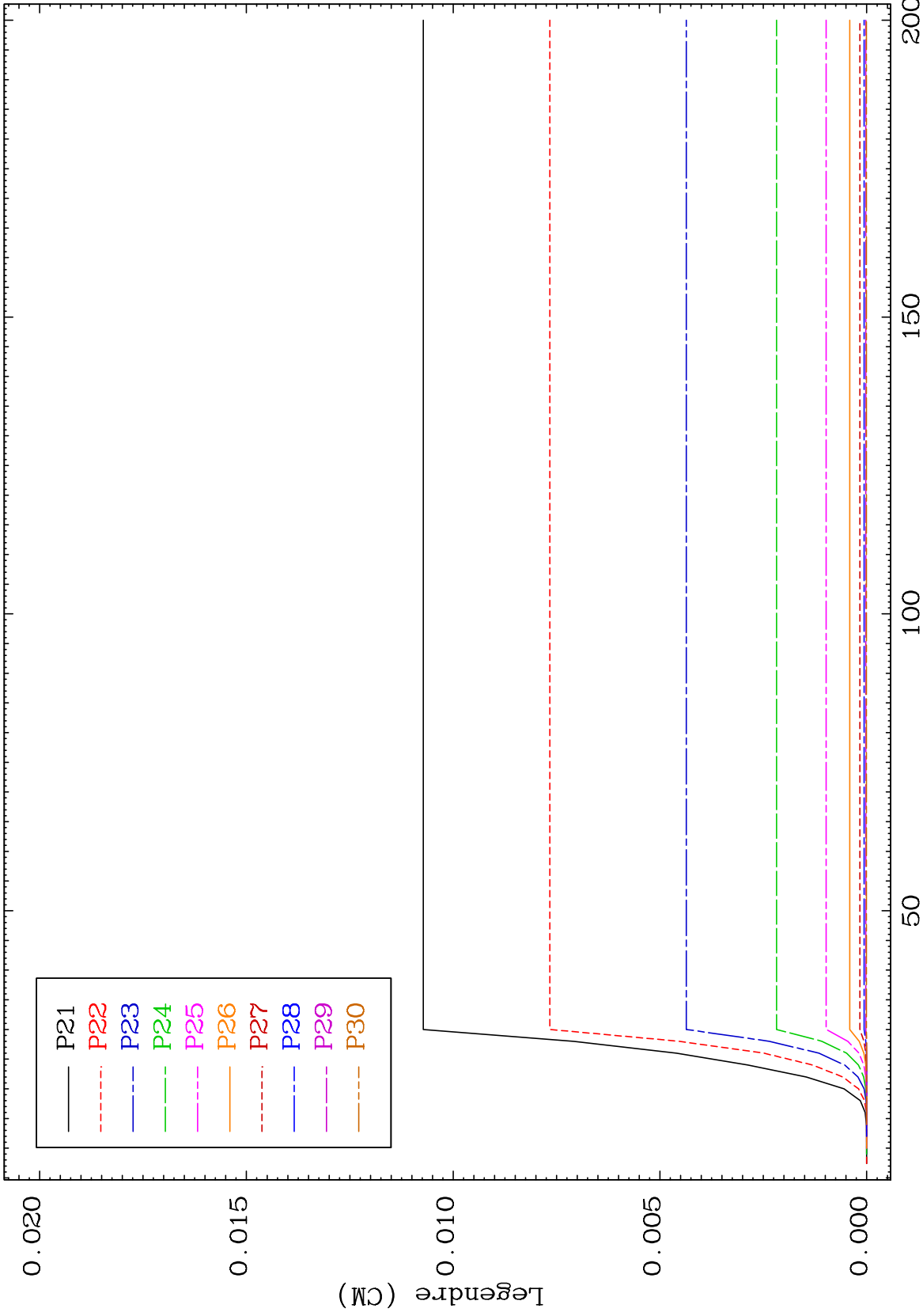
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



34

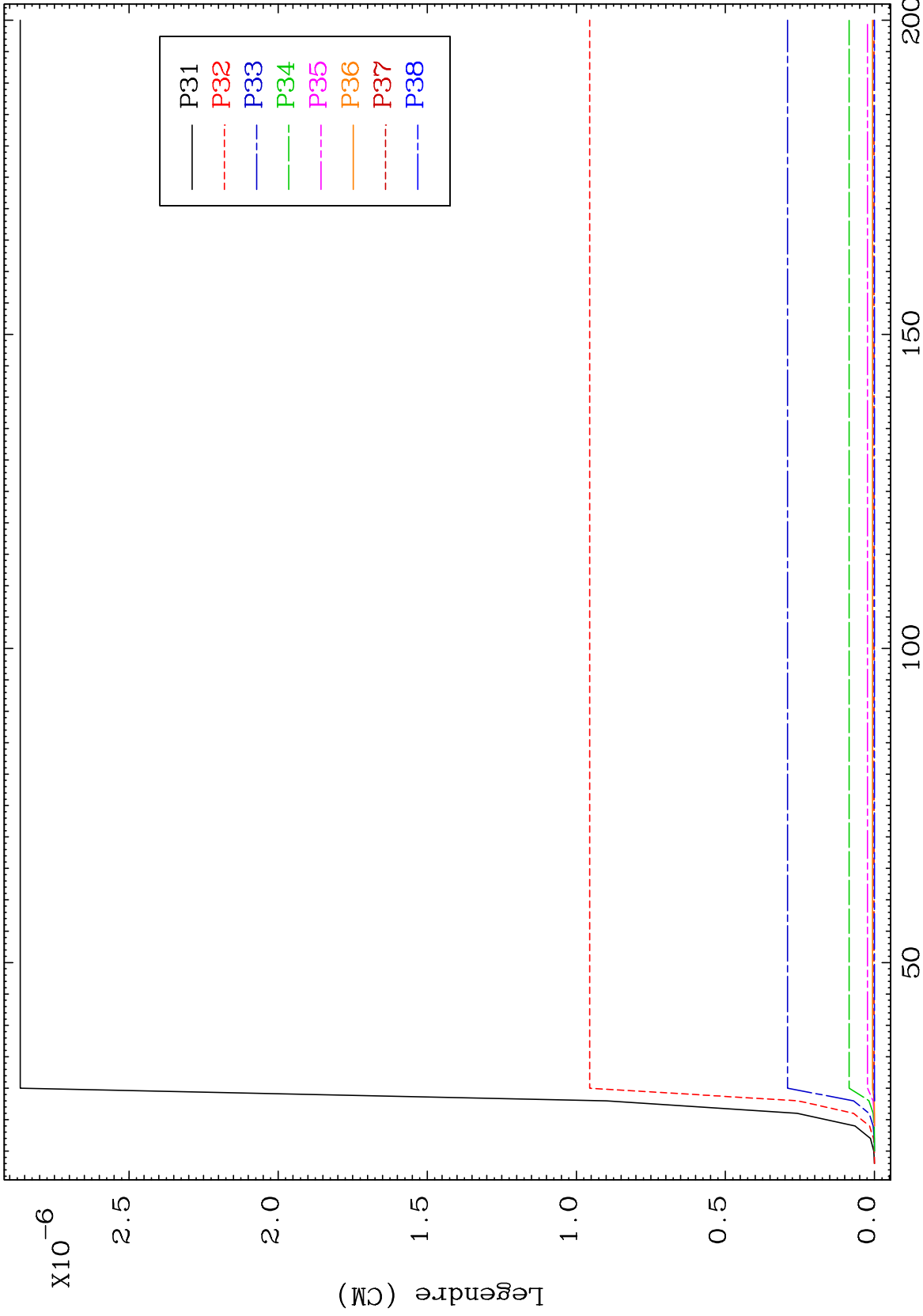
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



35

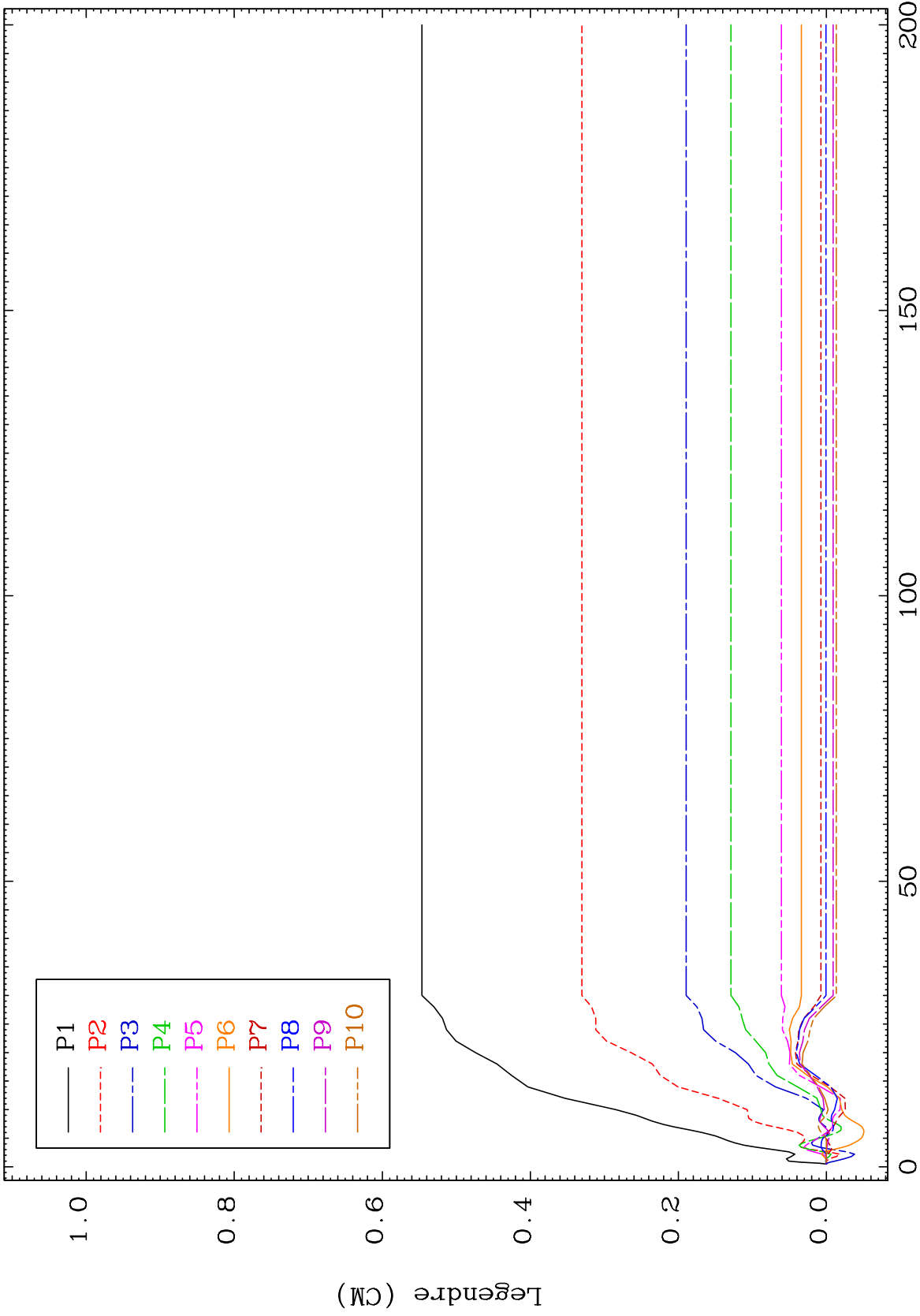
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



36

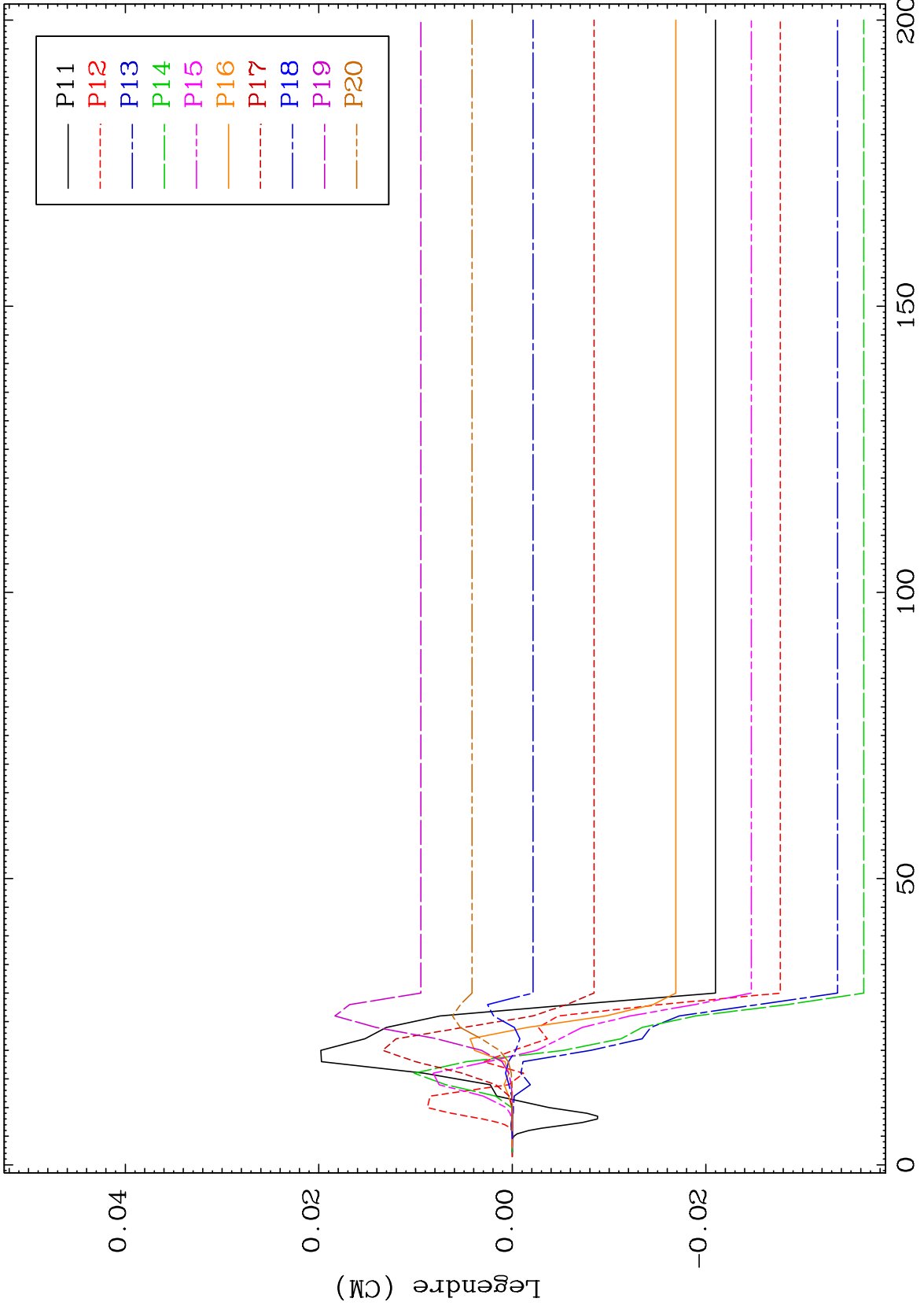
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



37

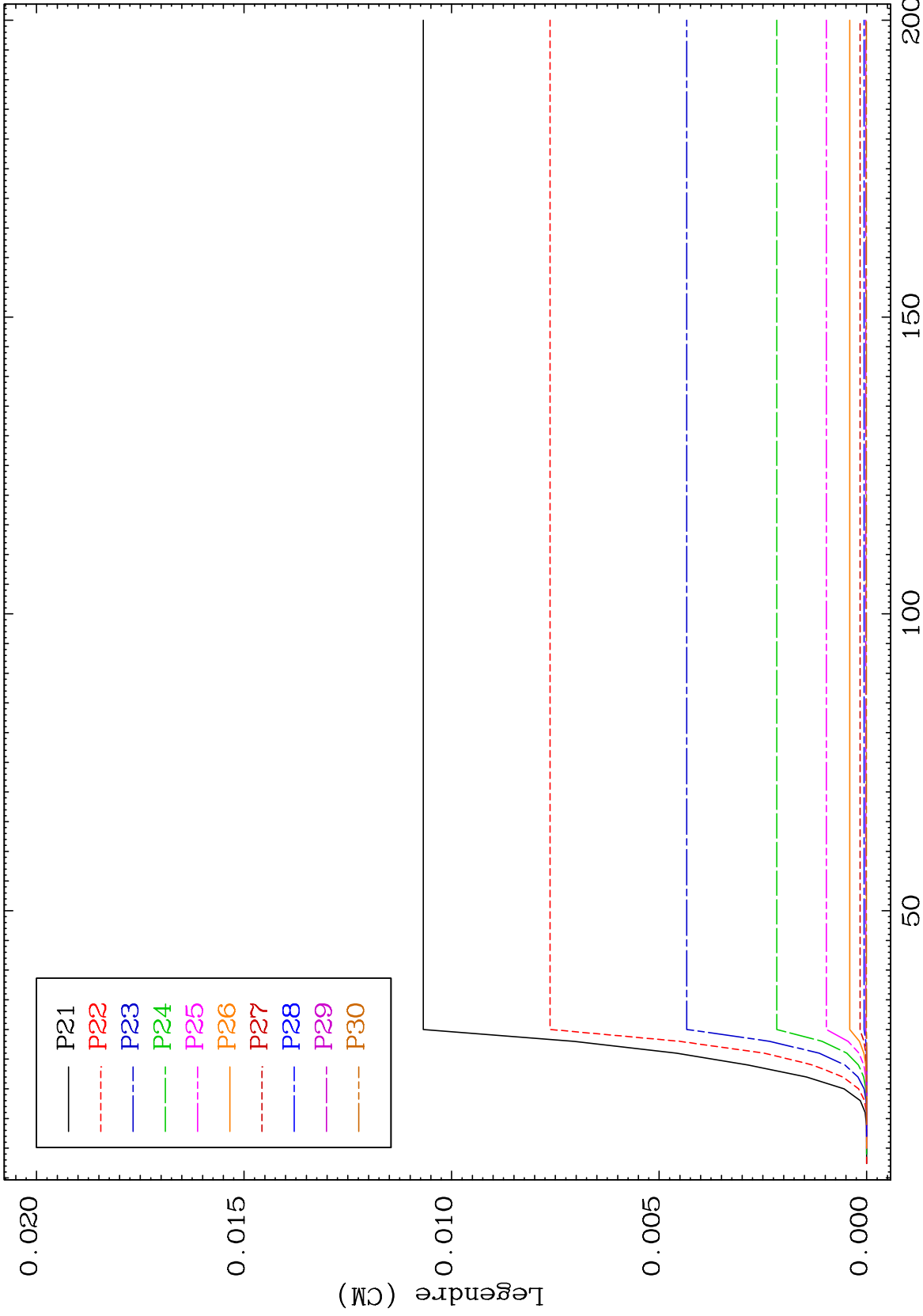
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

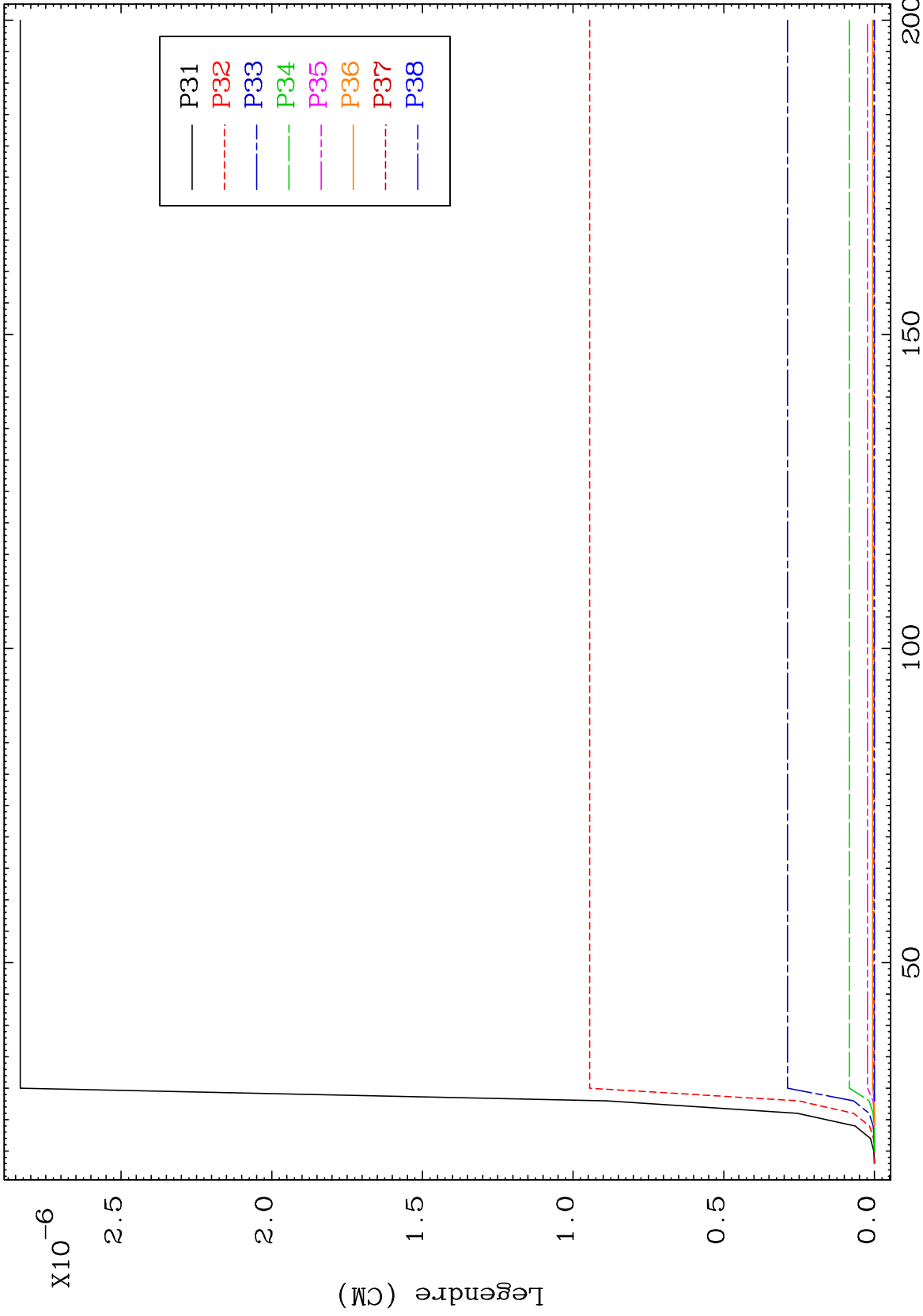
80-Hg-199



MAT 8034

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

80-Hg-199



39

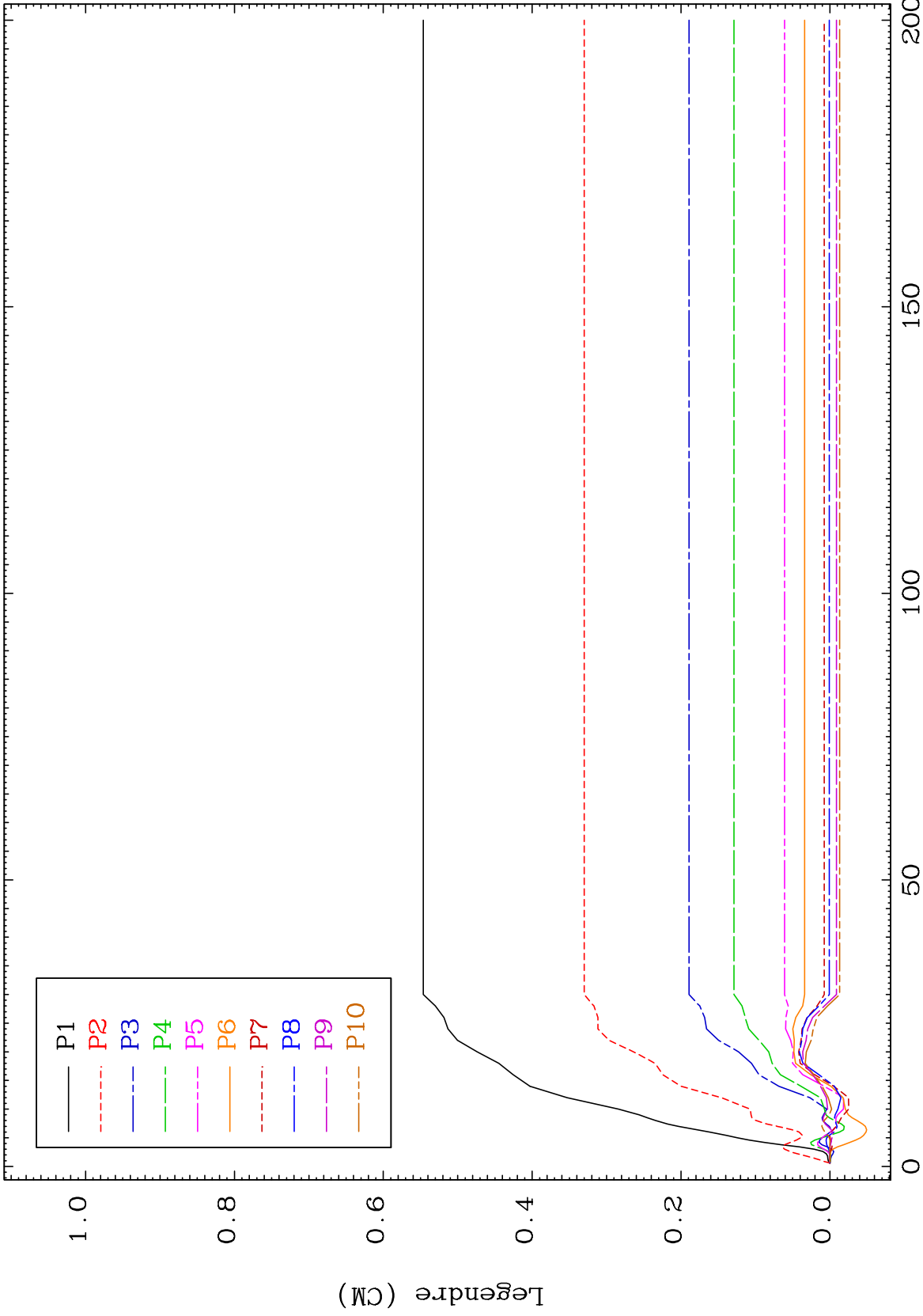
80-Hg-199



MAT 8034

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

80-Hg-199



80-Hg-199

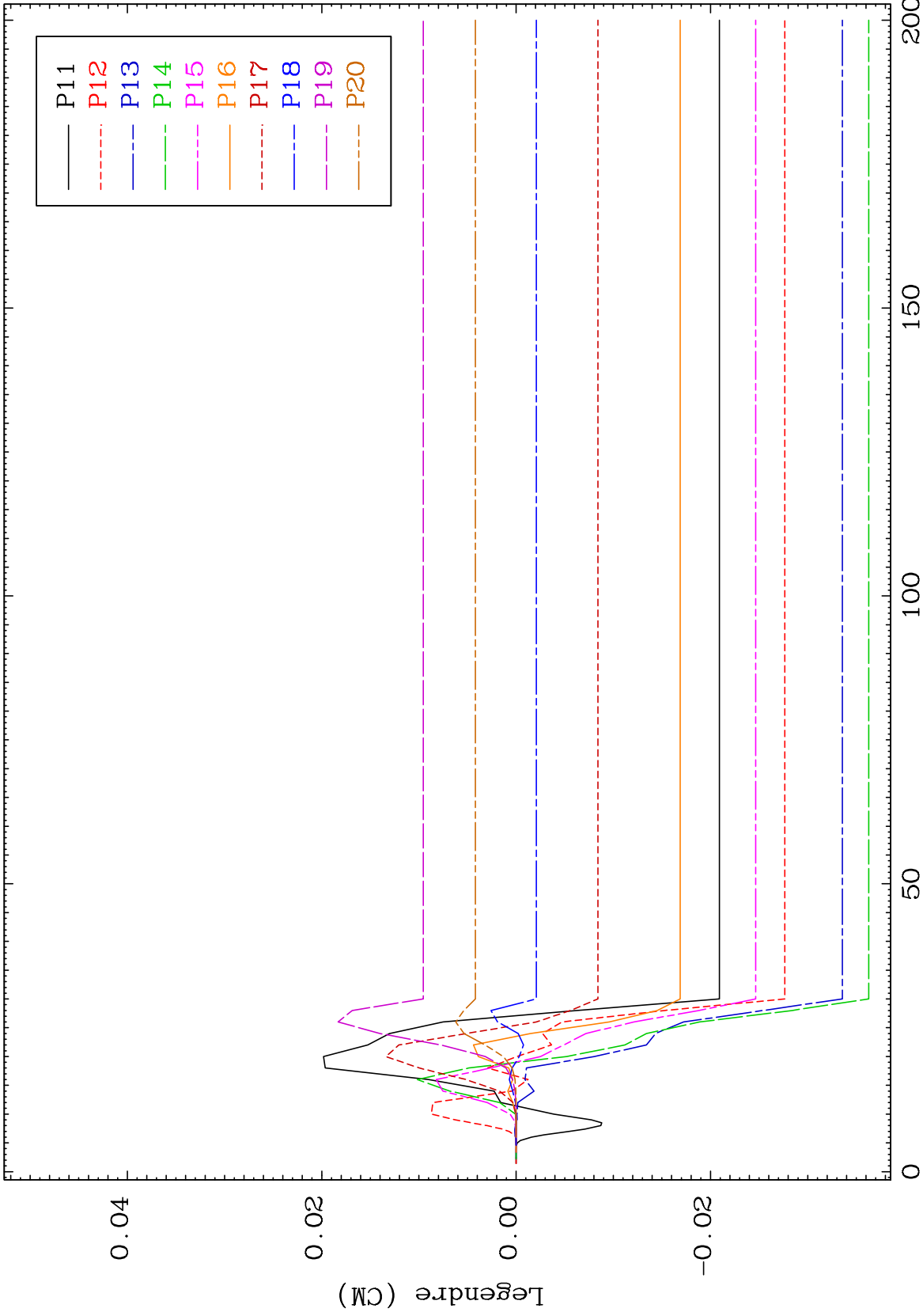
Incident Energy (MeV)

40

MAT 8034

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

80-Hg-199



41

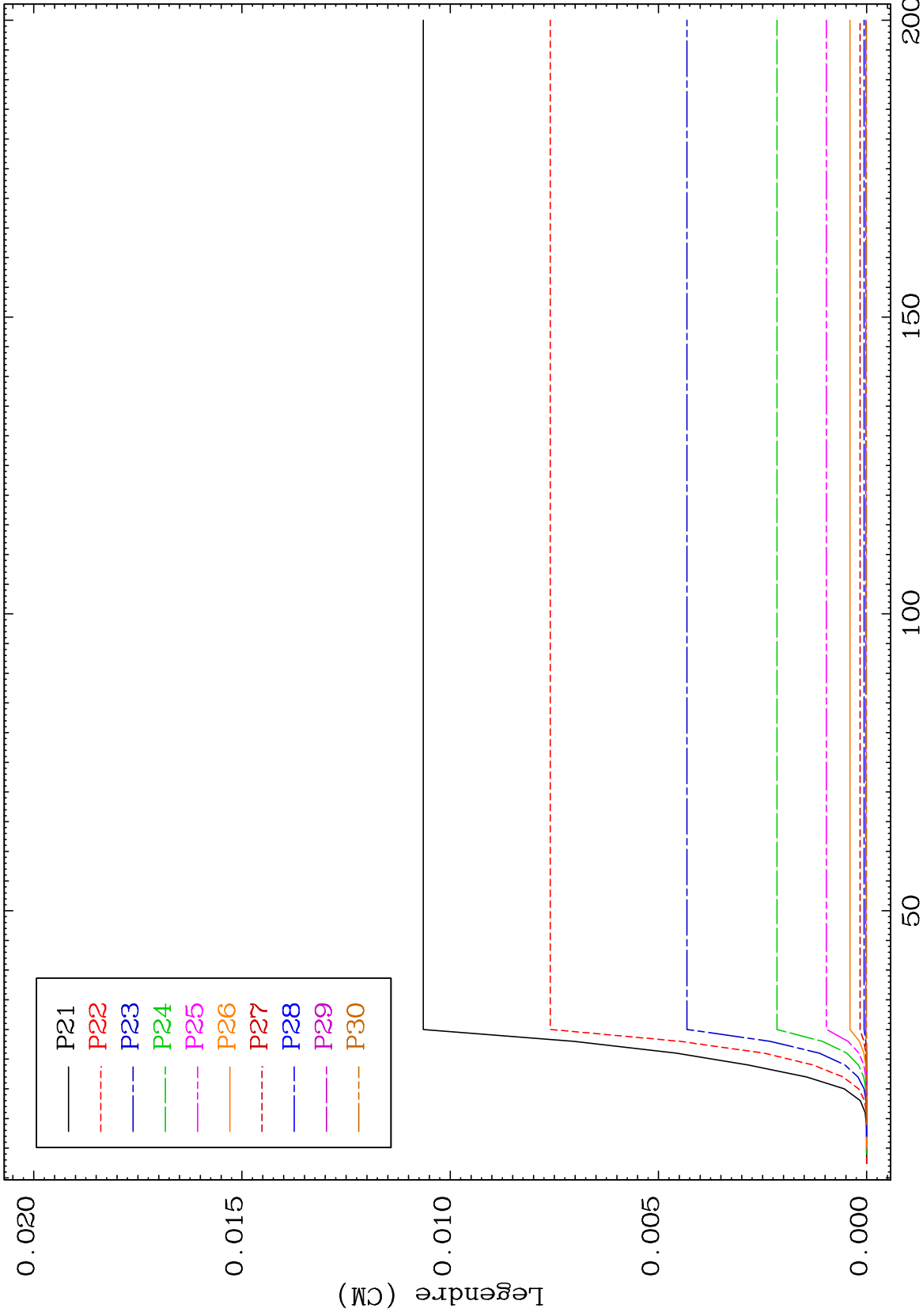
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



42

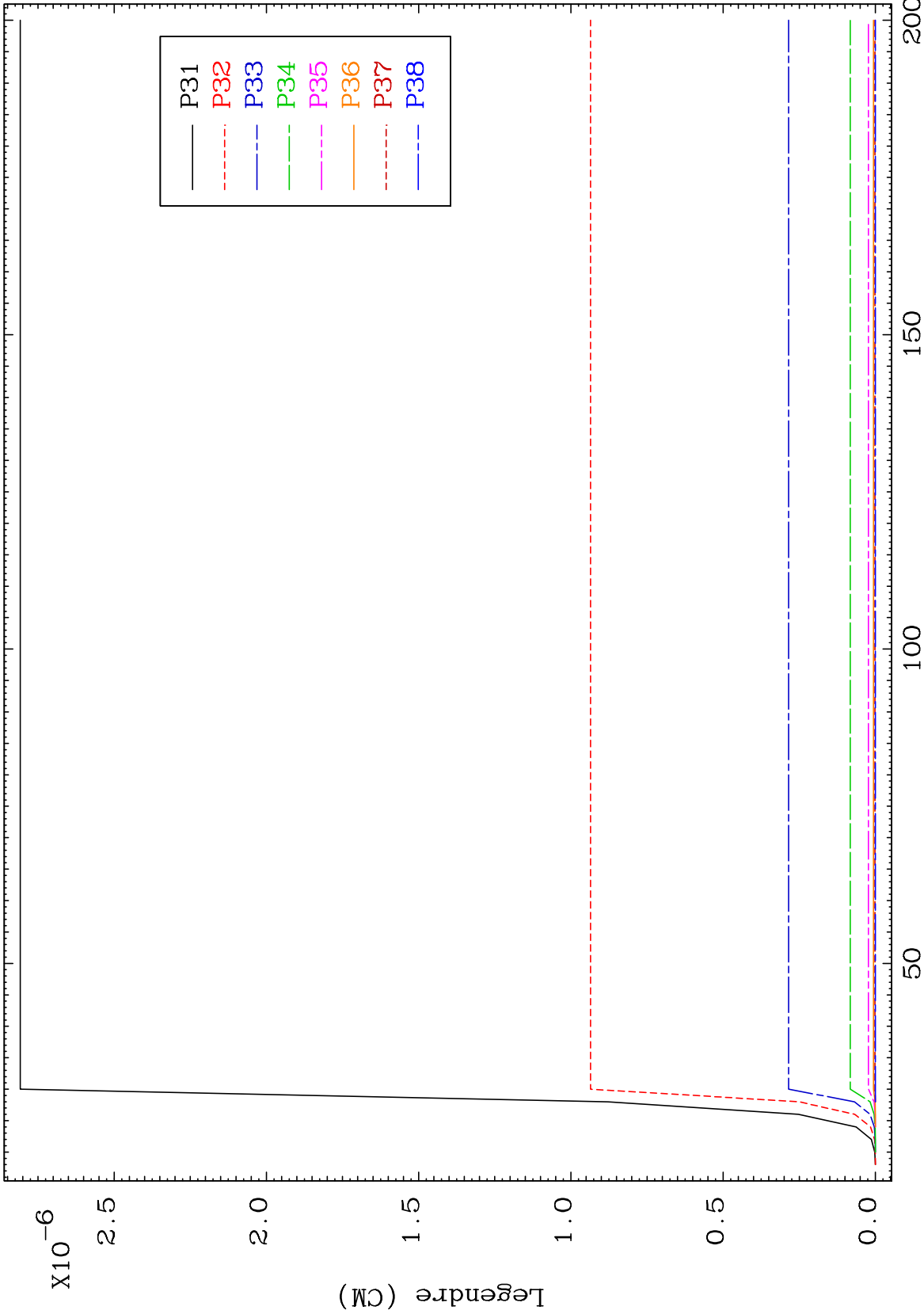
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



43

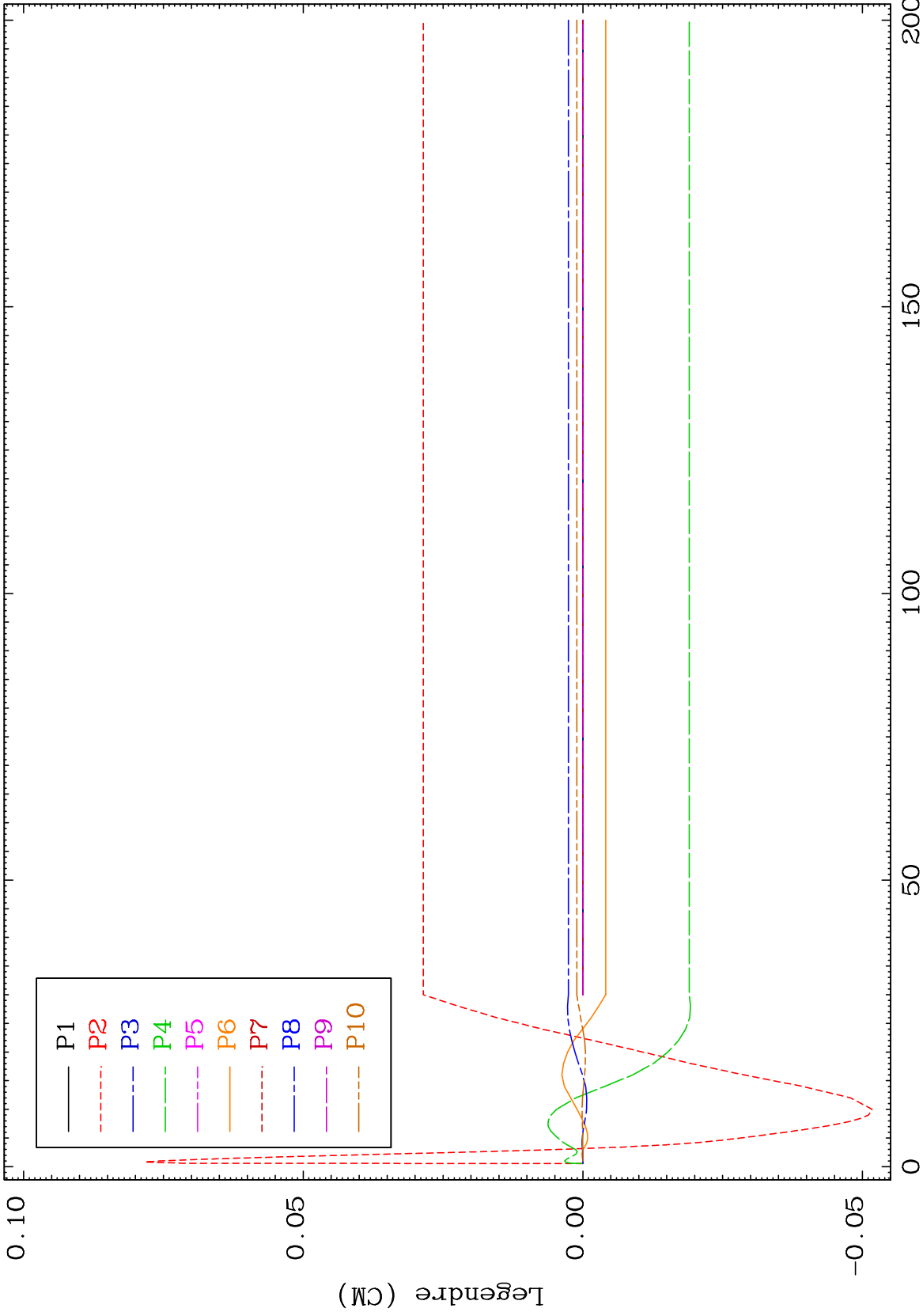
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



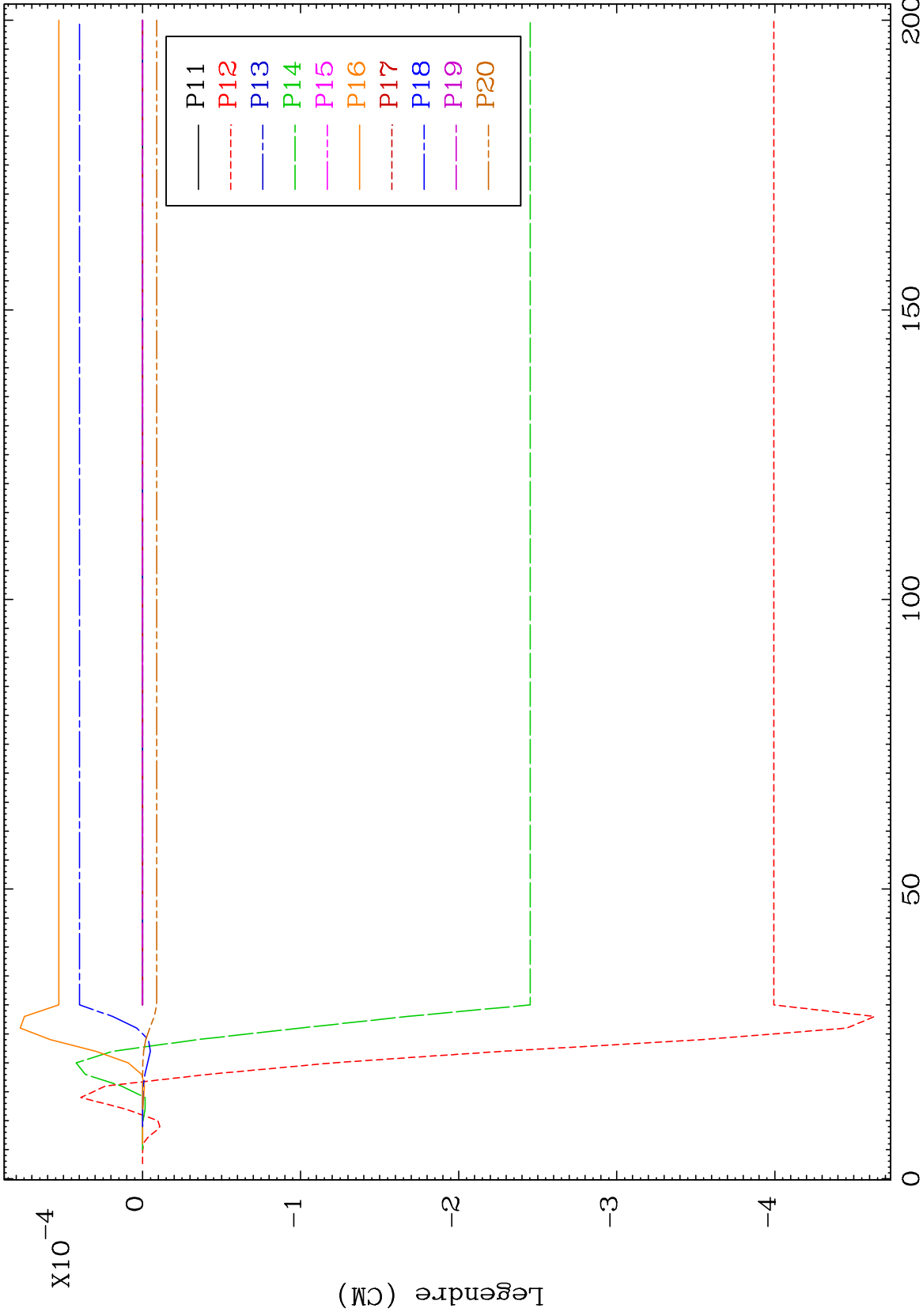
44

80-Hg-199

MAT 8034

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

80-Hg-199



45

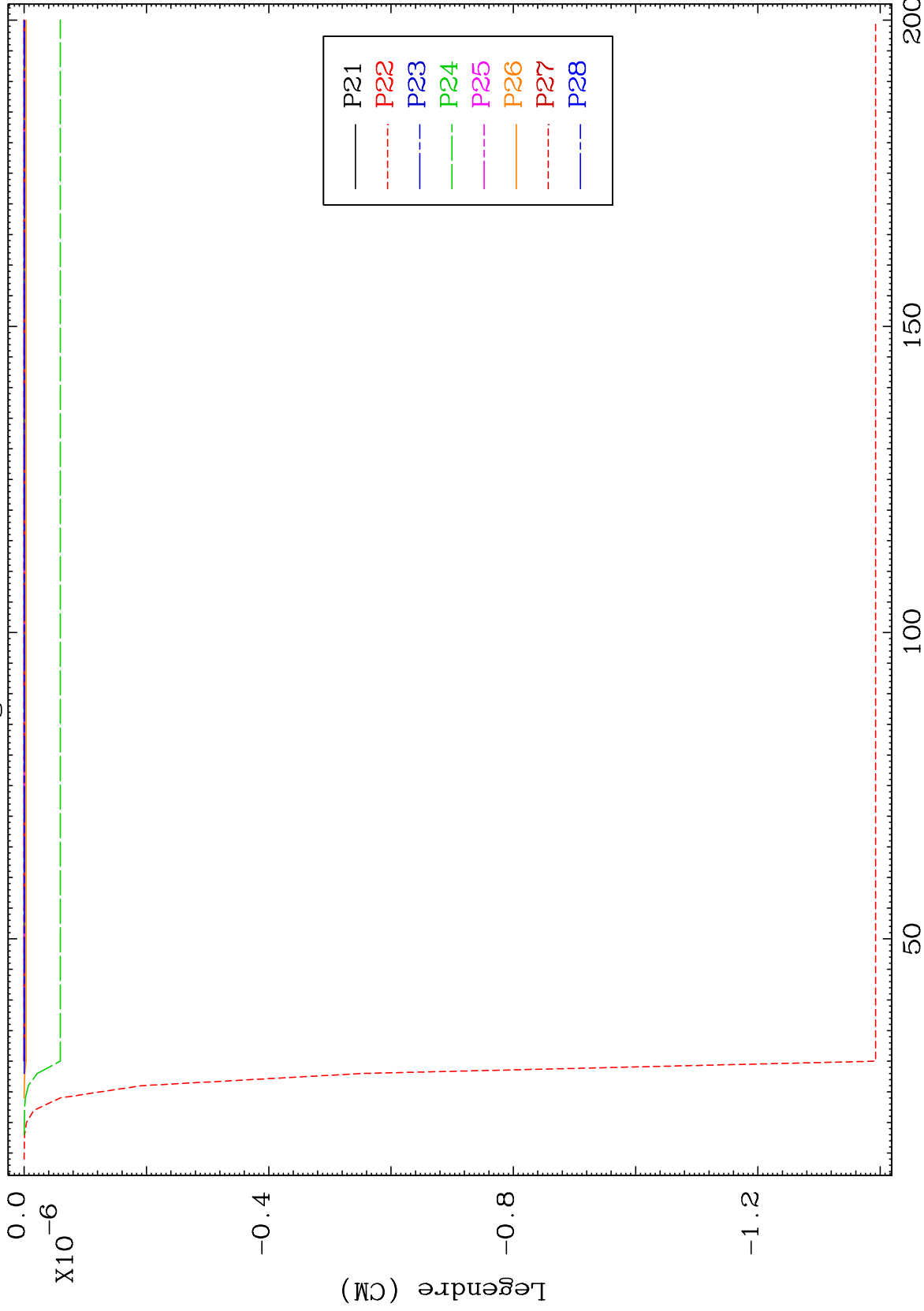
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199

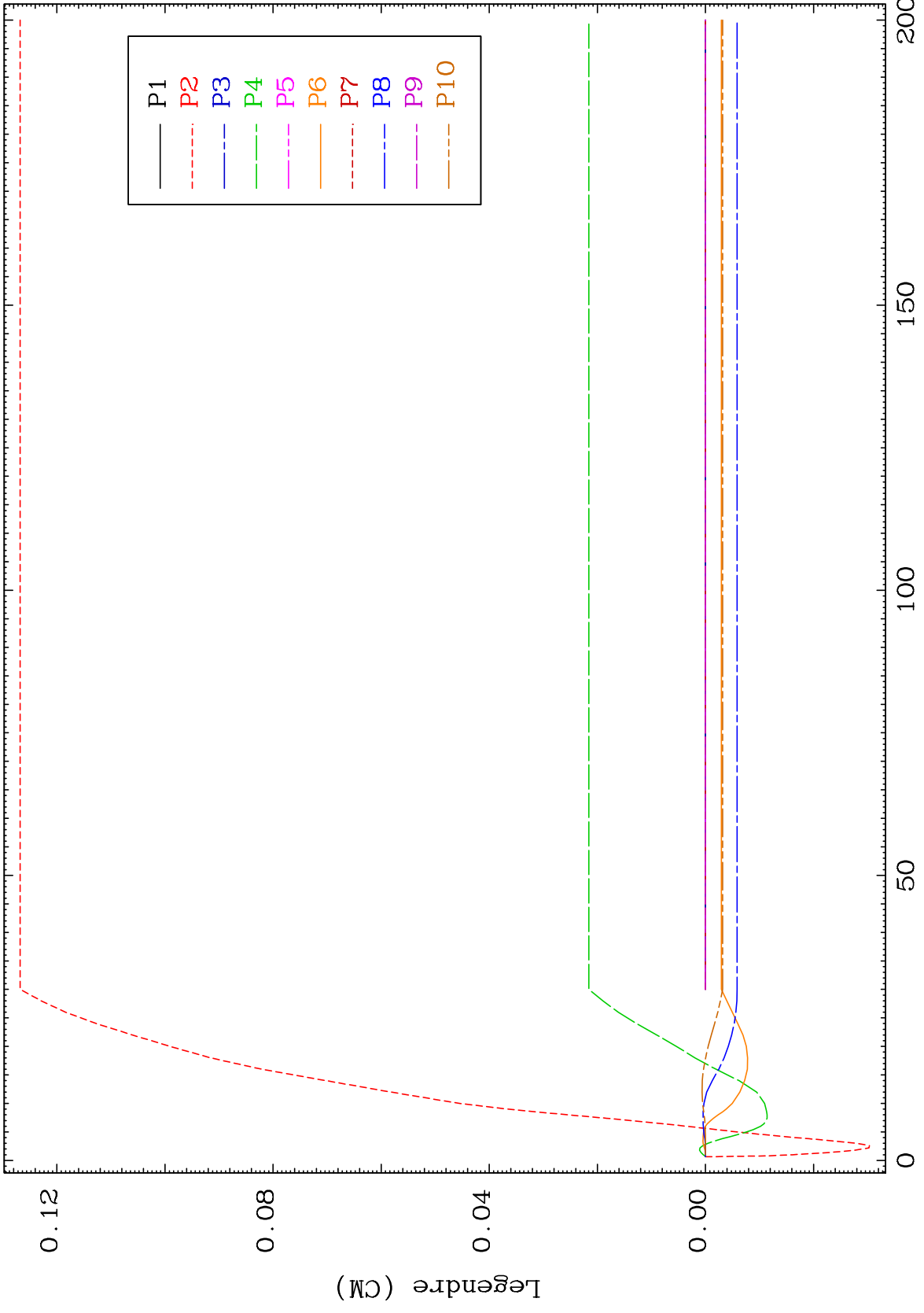


46

Incident Energy (MeV)

80-Hg-199

MAT 8034 MT= 58 (n,n') Level Legendre Coefficients 80-Hg-199



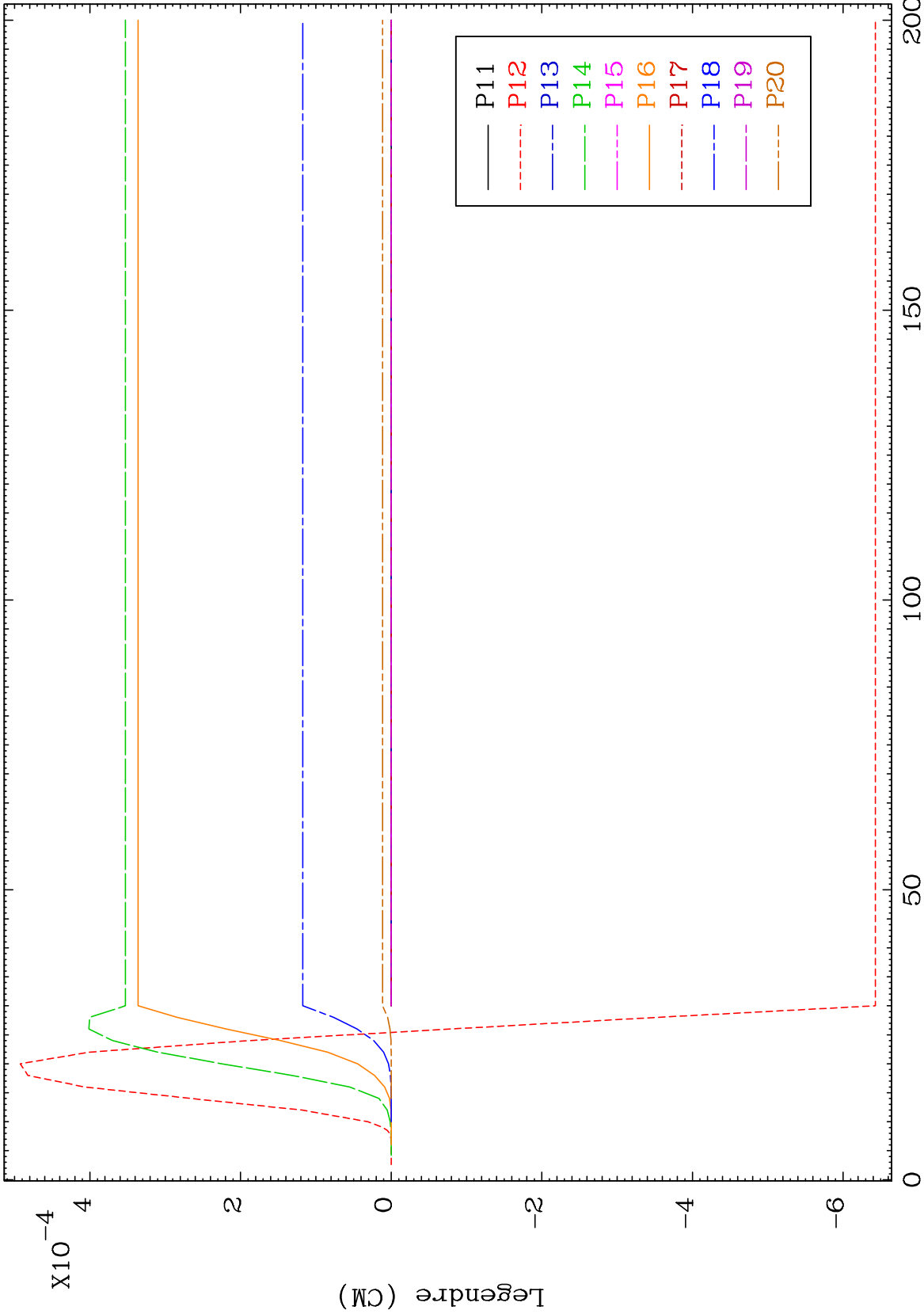
47 80-Hg-199



MAT 8034

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

80-Hg-199



48

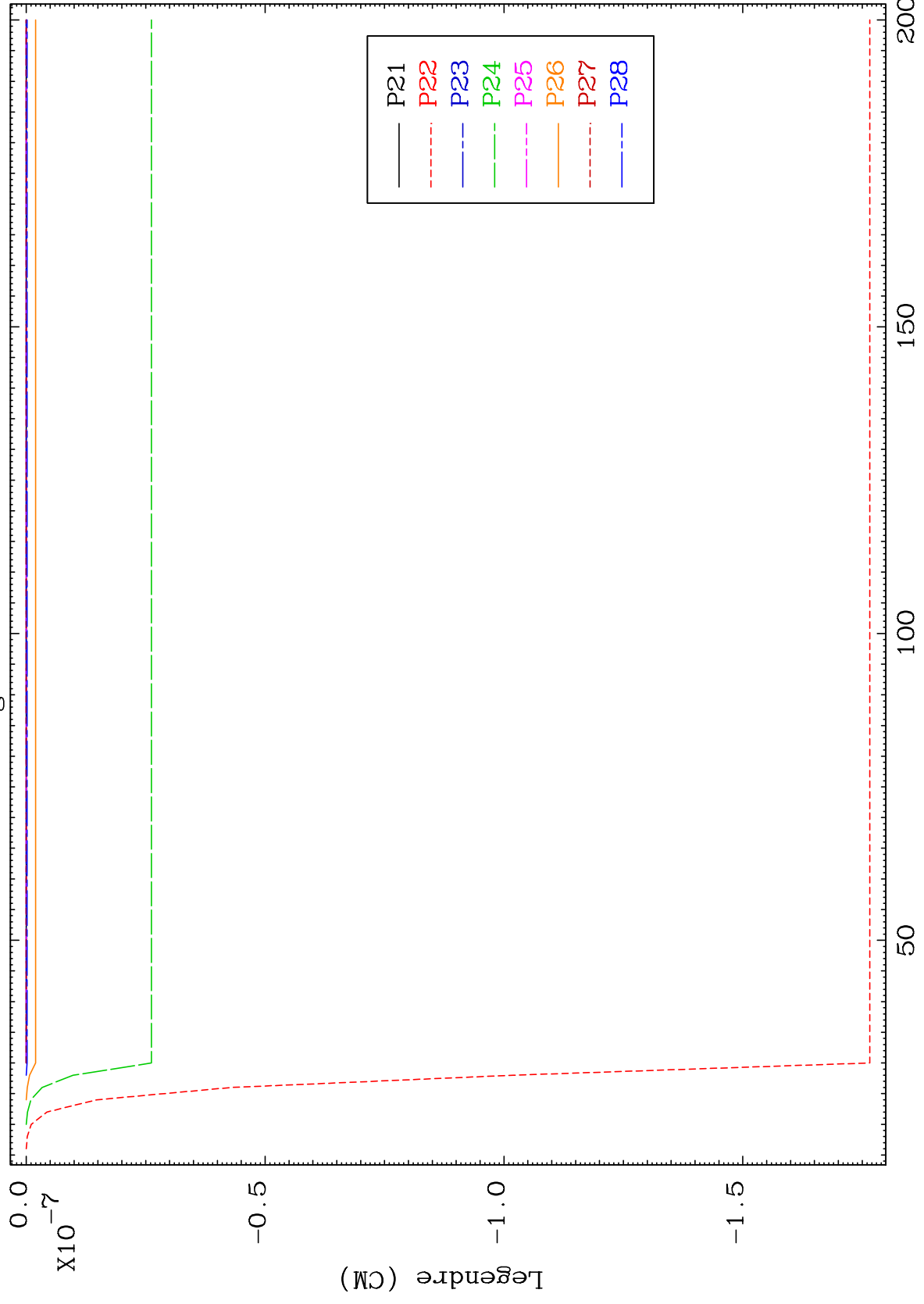
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



80-Hg-199

Incident Energy (MeV)

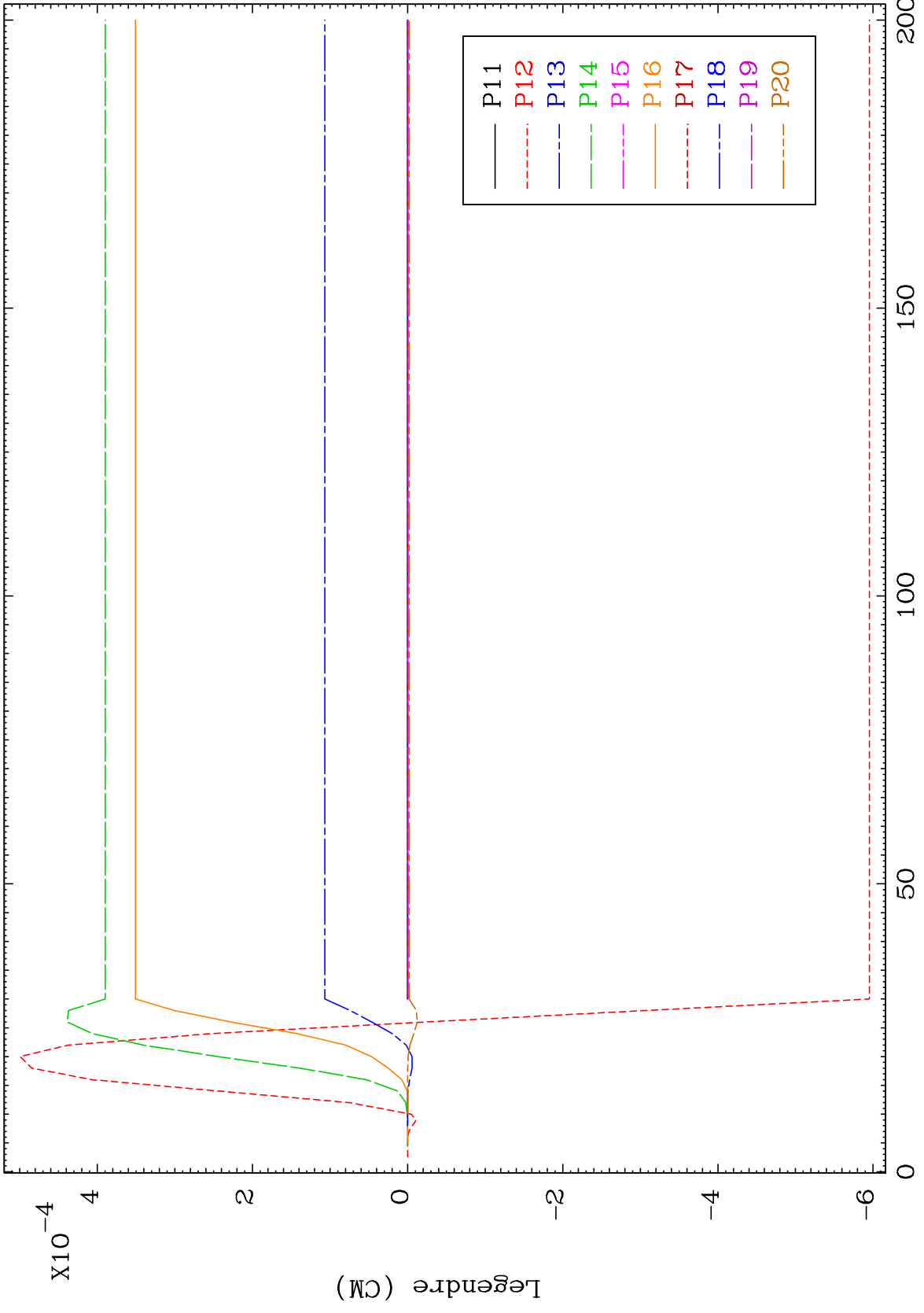
49



MAT 8034

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

80-Hg-199

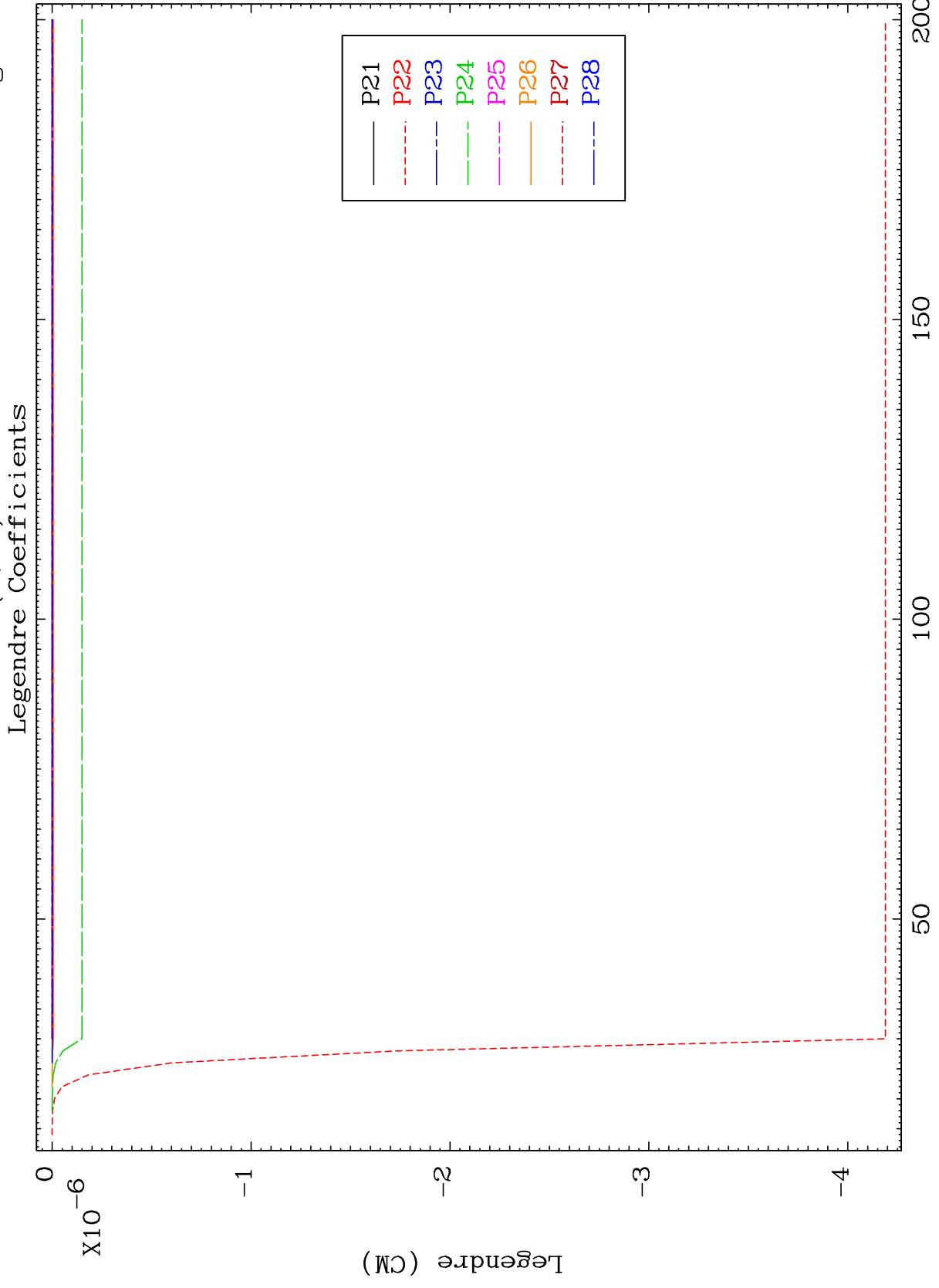


51

Incident Energy (MeV)

80-Hg-199

MAT 8034 MT= 59 (n,n') Level Legendre Coefficients 80-Hg-199

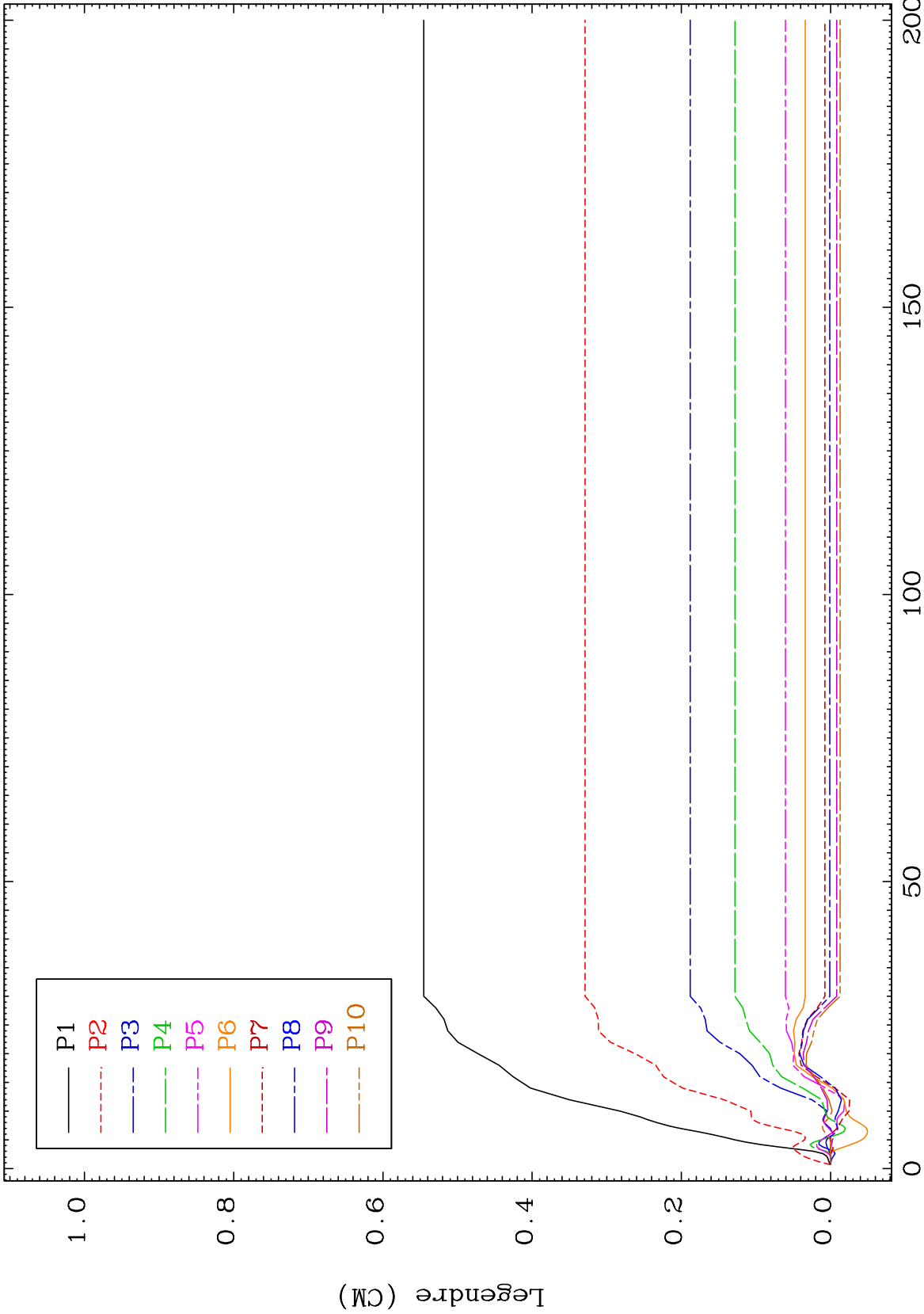


52 80-Hg-199

MAT 8034

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

80-Hg-199



53

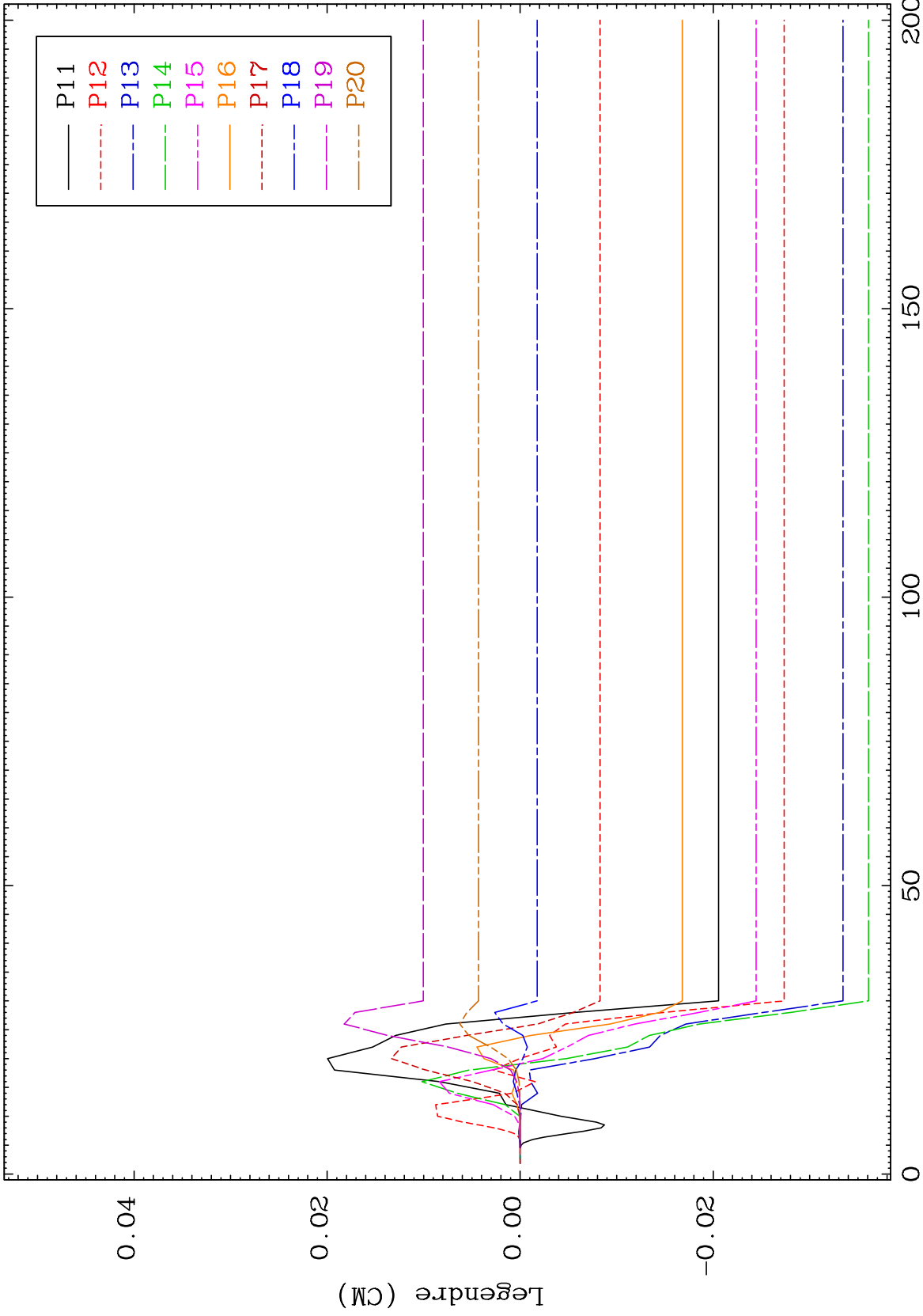
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



54

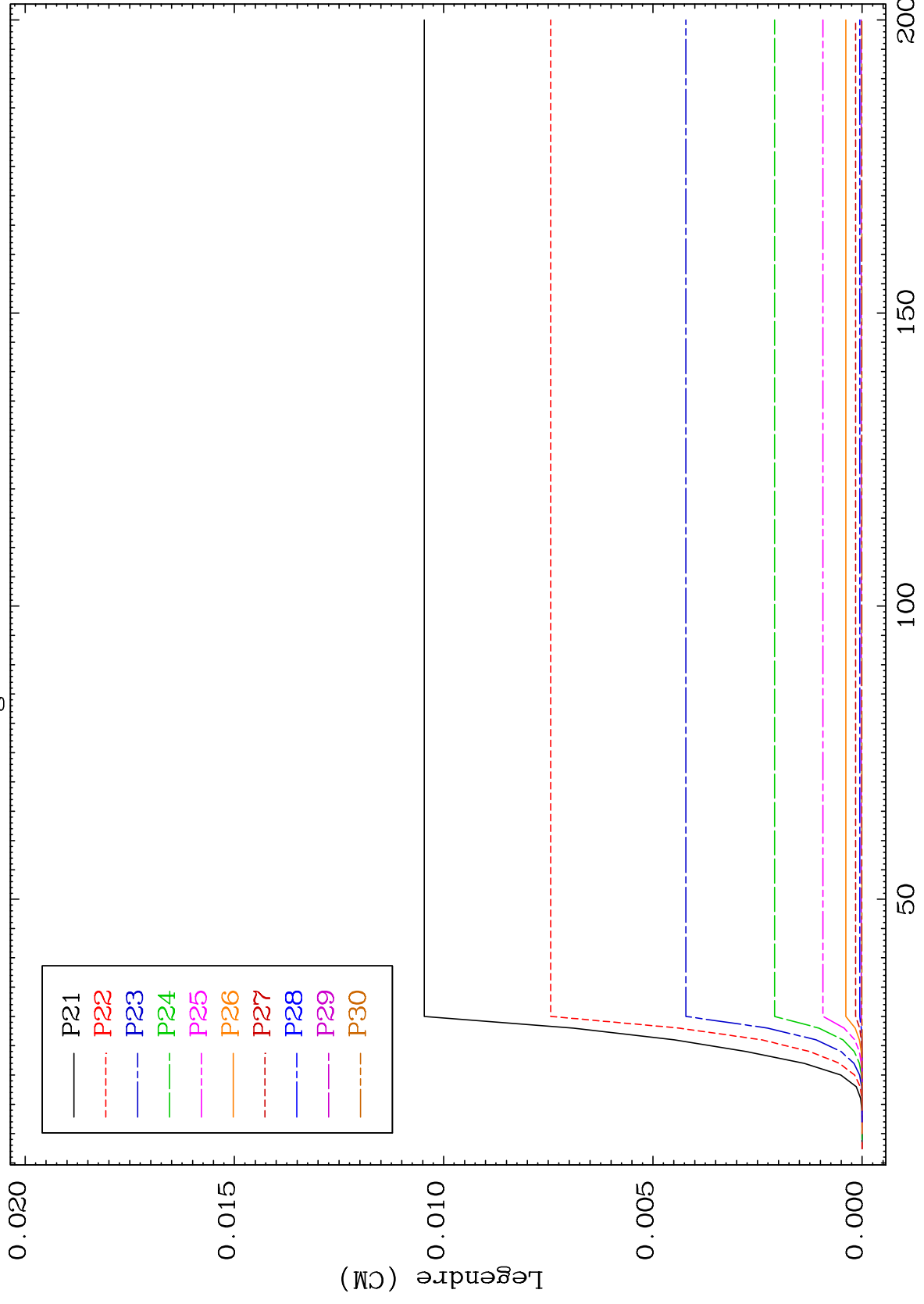
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



55

Incident Energy (MeV)

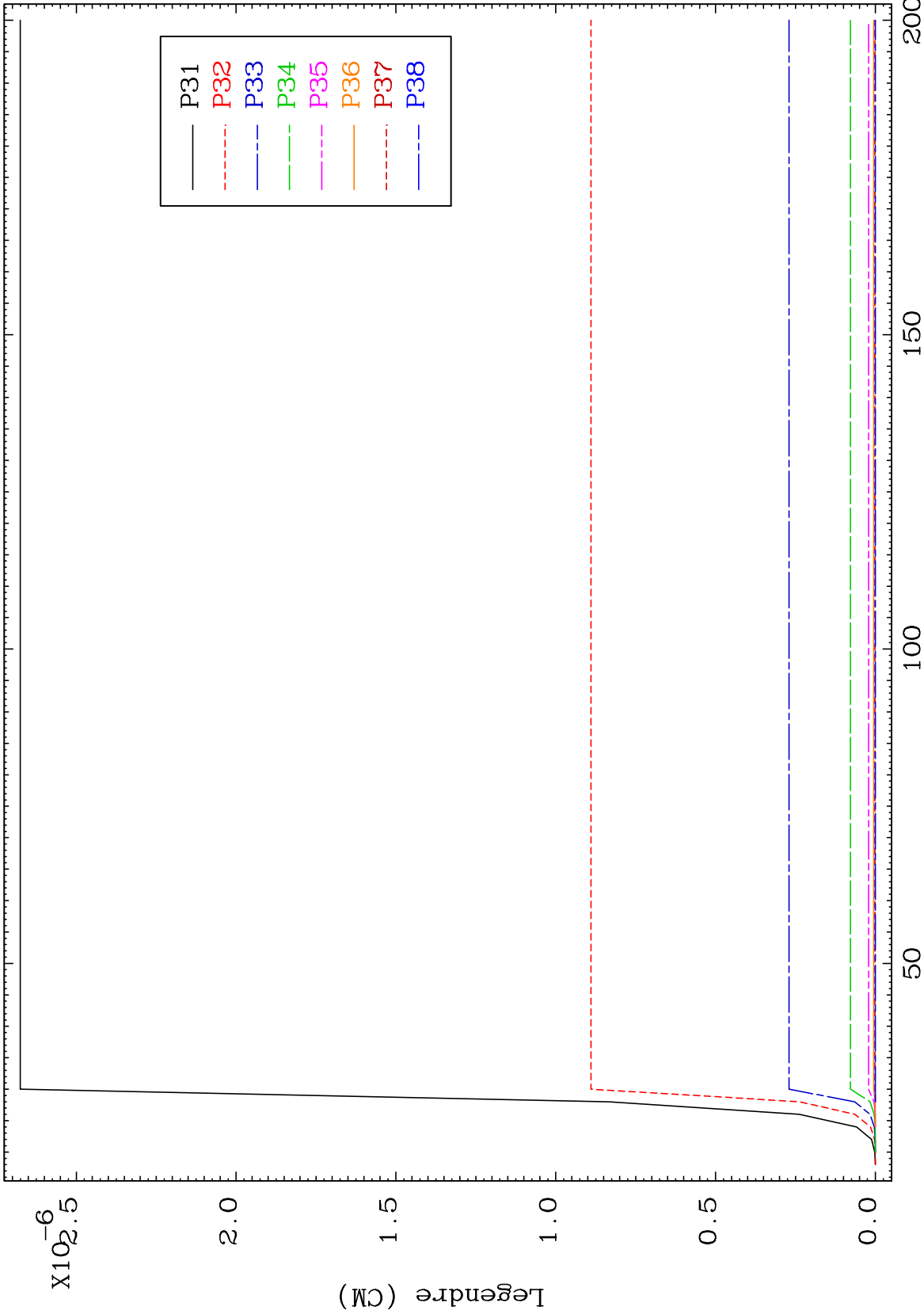
80-Hg-199



MAT 8034

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

80-Hg-199

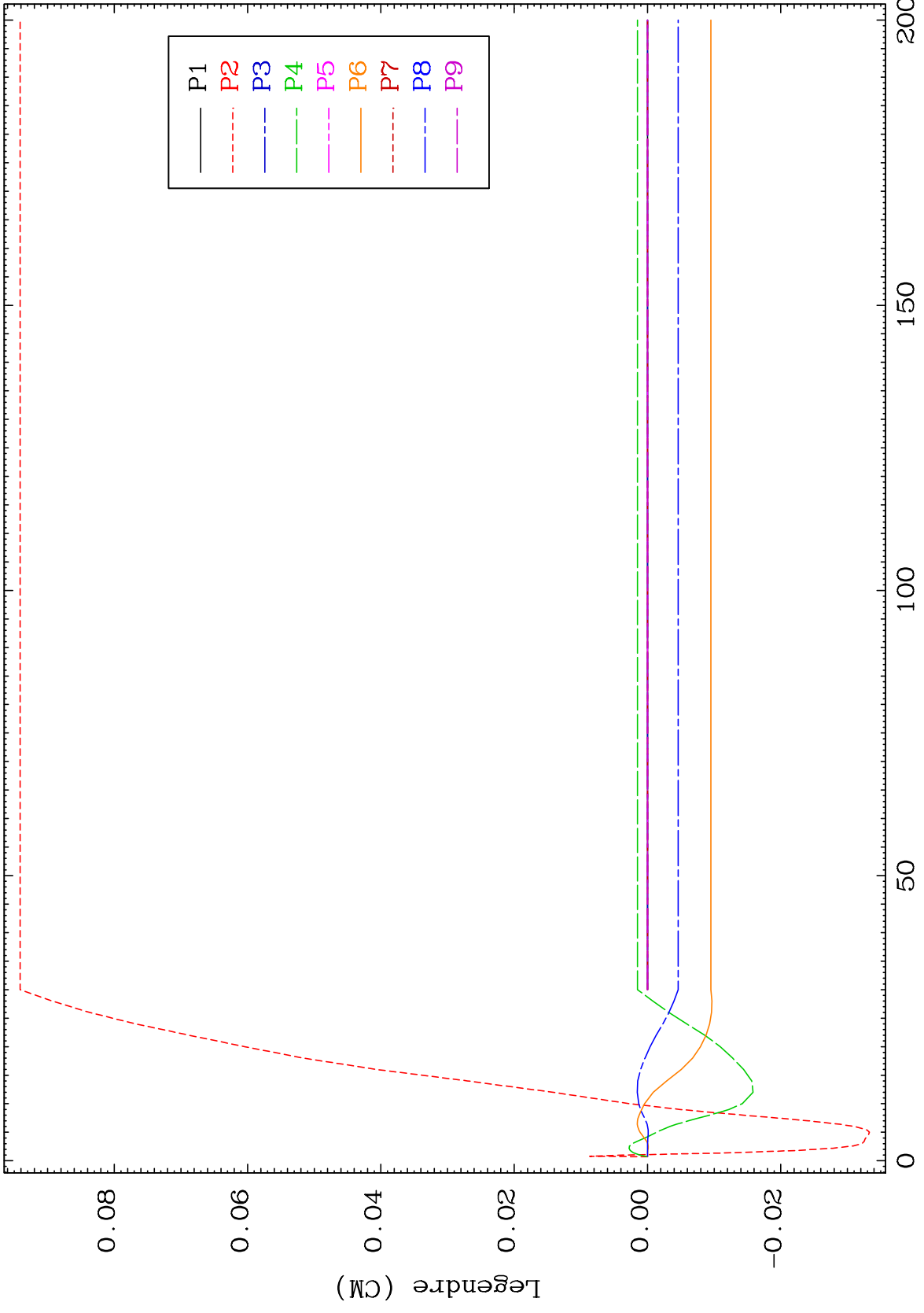


56

Incident Energy (MeV)

80-Hg-199

MAT 8034 MT= 61 (n,n') Level Legendre Coefficients 80-Hg-199



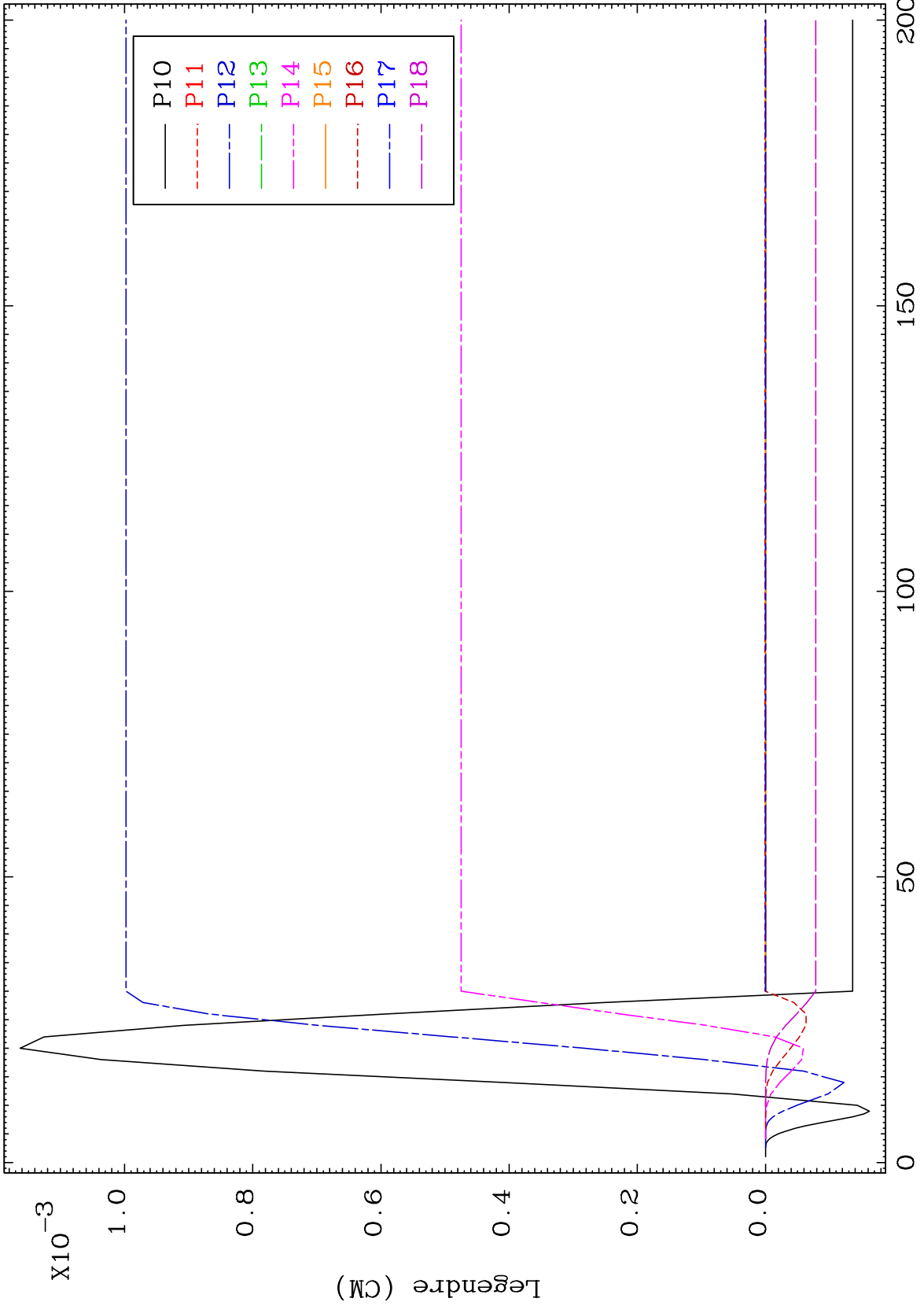
57 80-Hg-199

MAT 8034

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

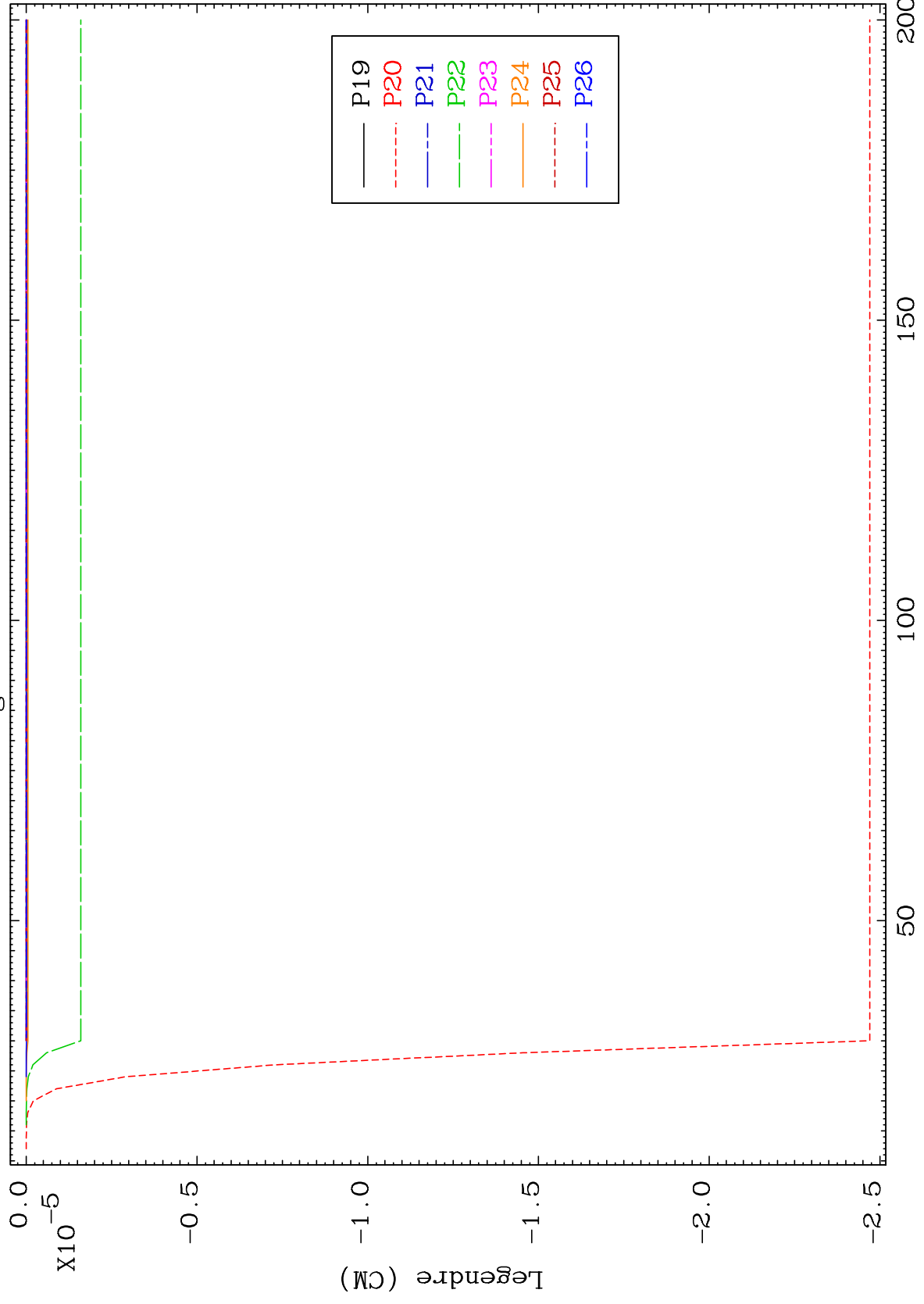
80-Hg-199

80-Hg-199



58

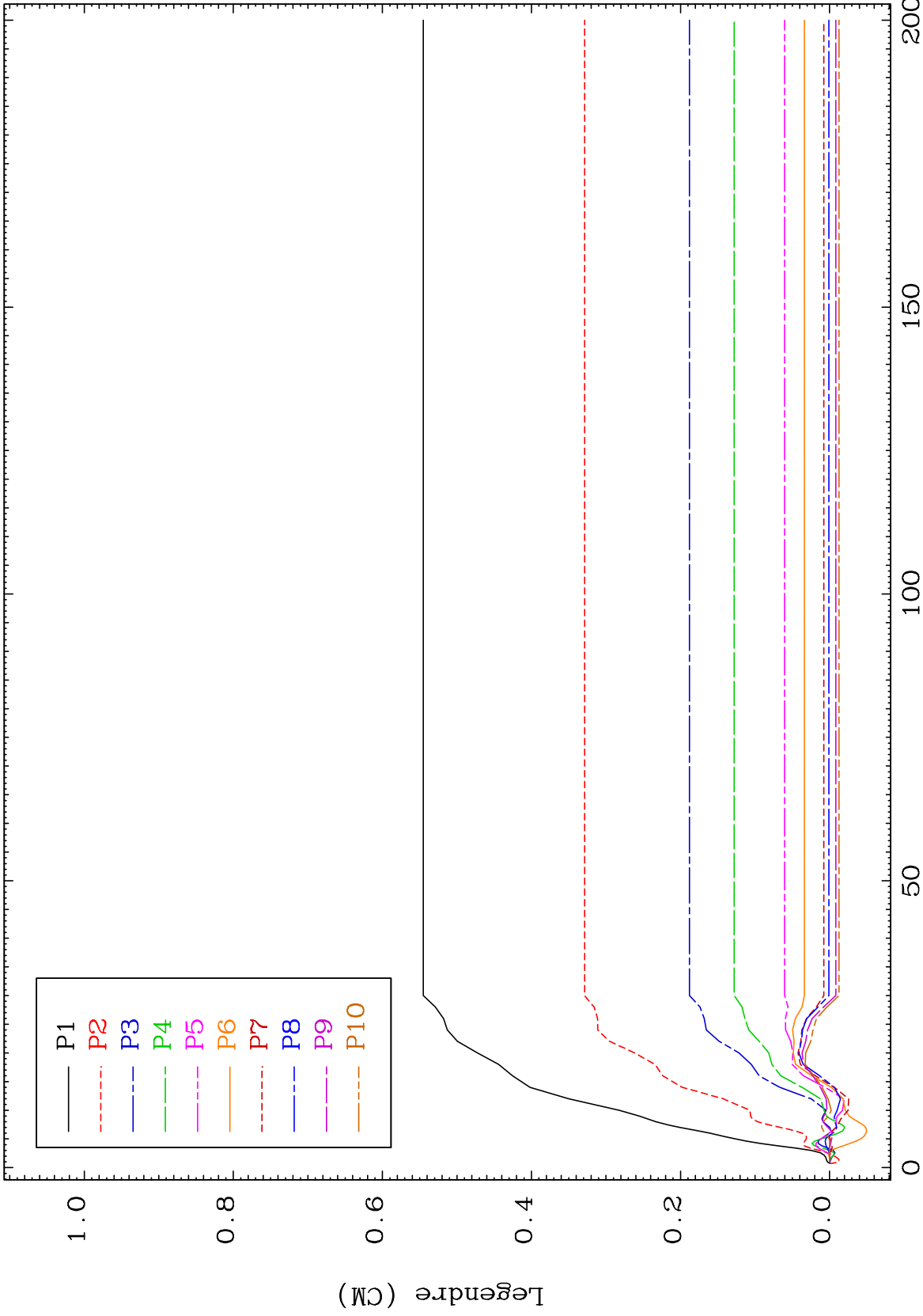
MAT 8034 MT= 61 (n,n') Level Legendre Coefficients 80-Hg-199



MAT 8034

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

80-Hg-199



80-Hg-199

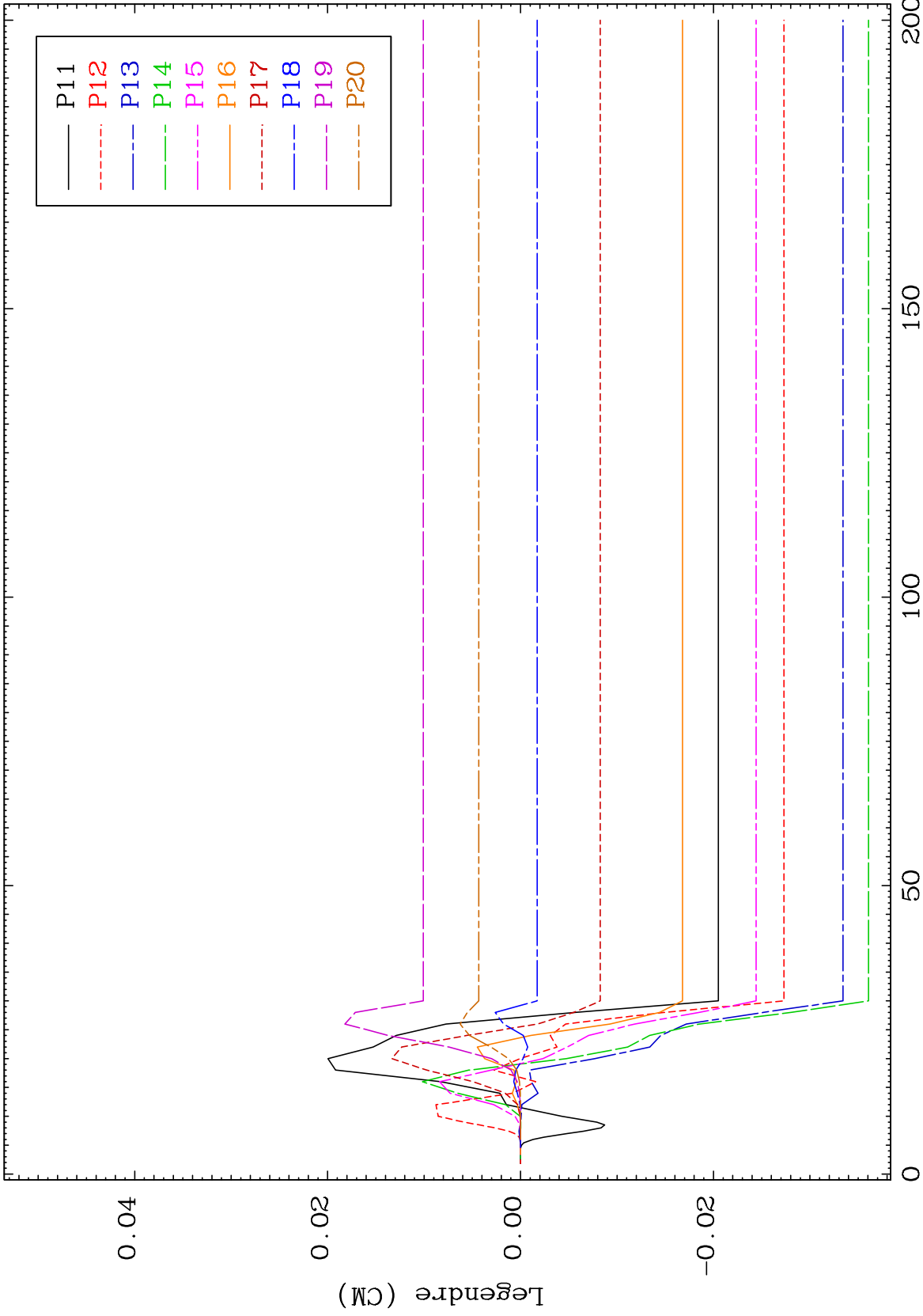
Incident Energy (MeV)

60

MAT 8034

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

80-Hg-199



61

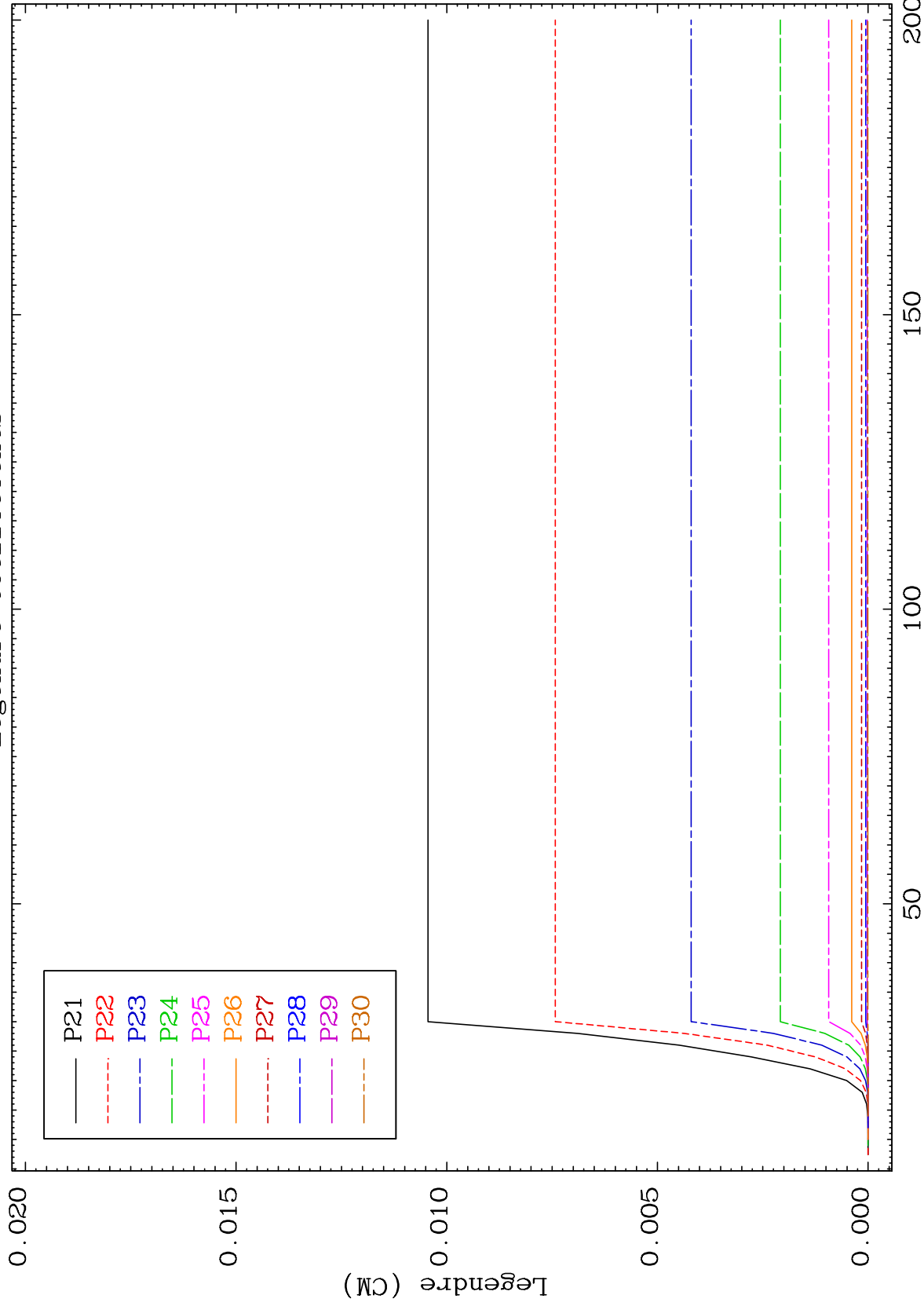
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



62

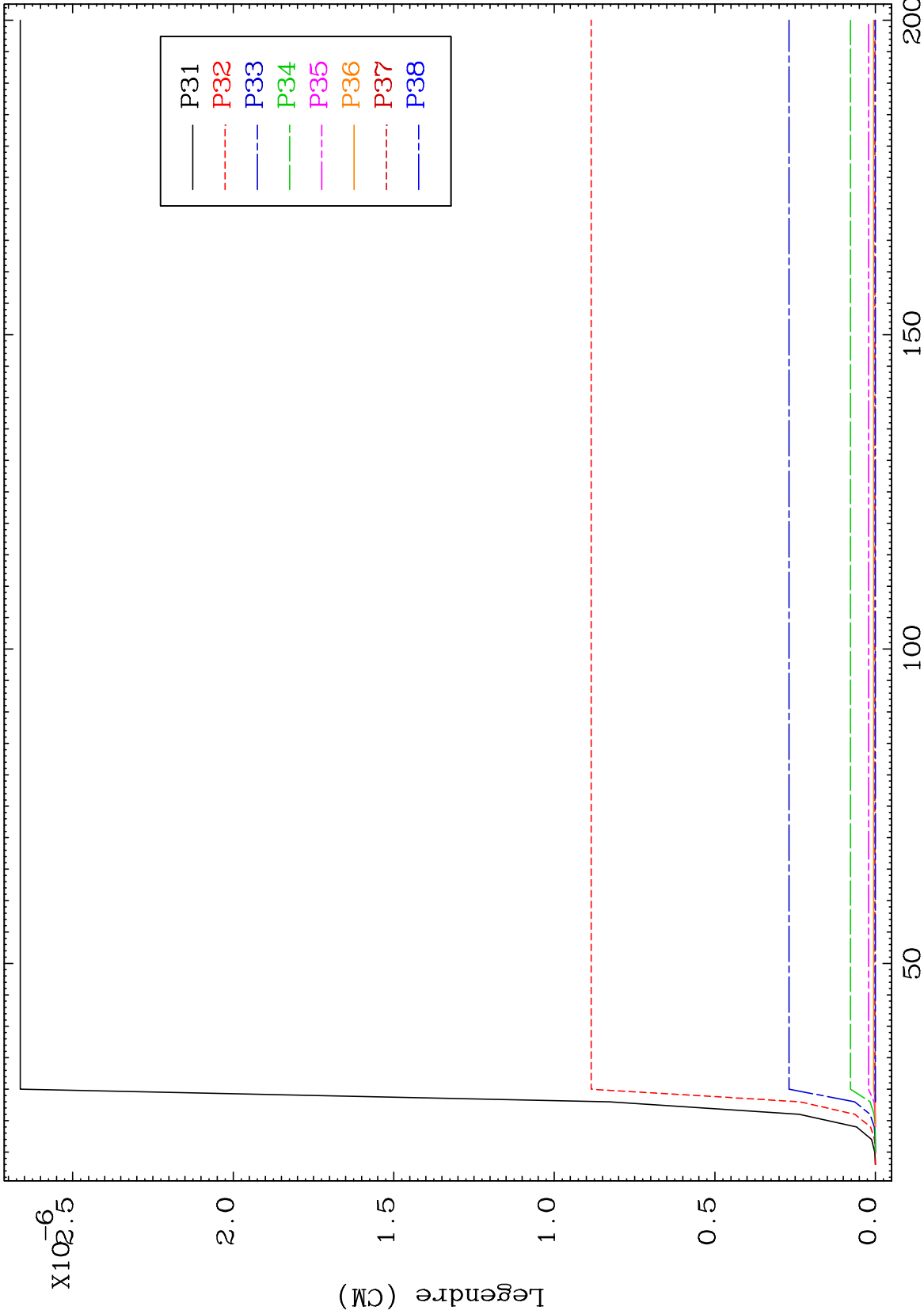
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199

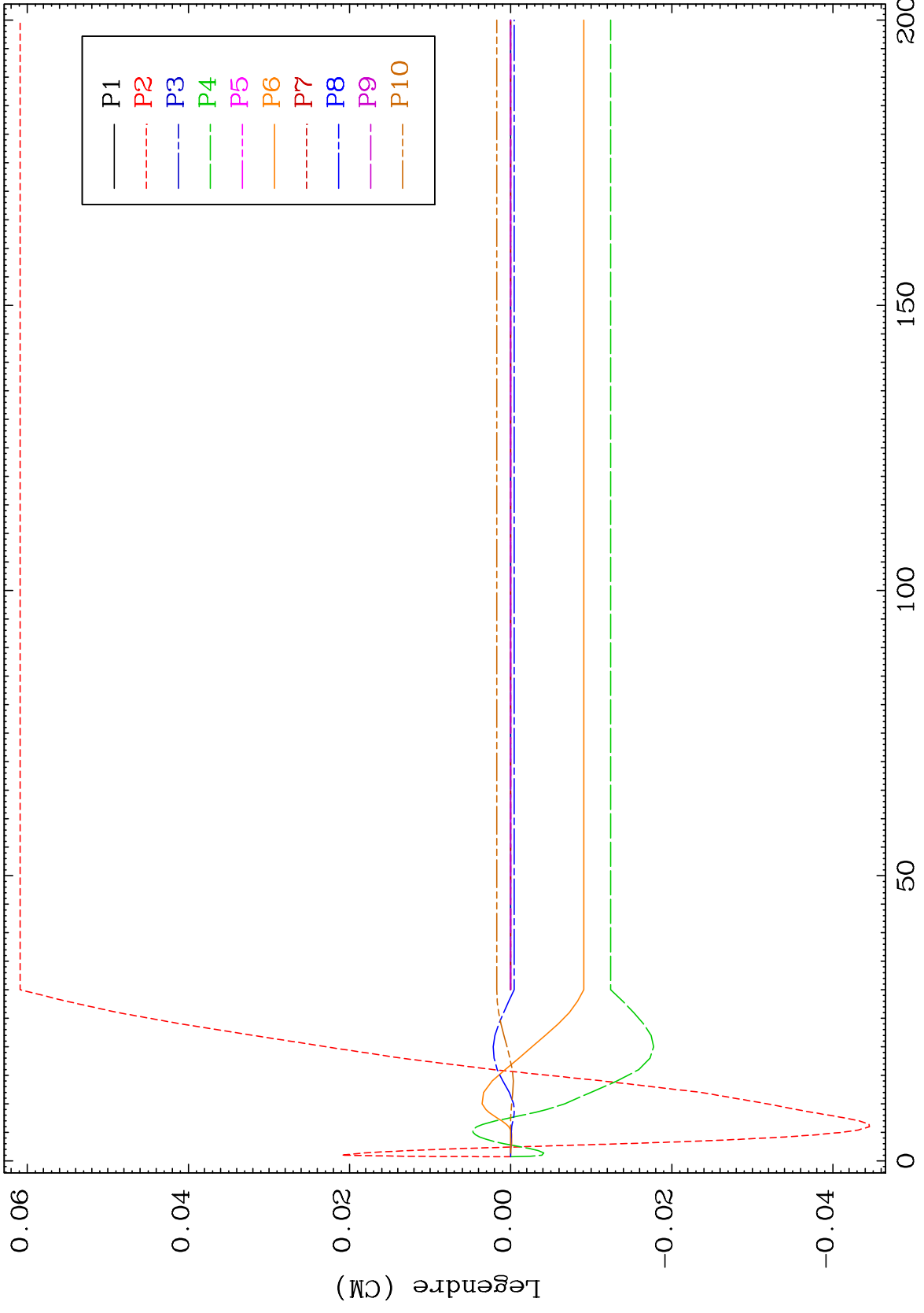


63

80-Hg-199

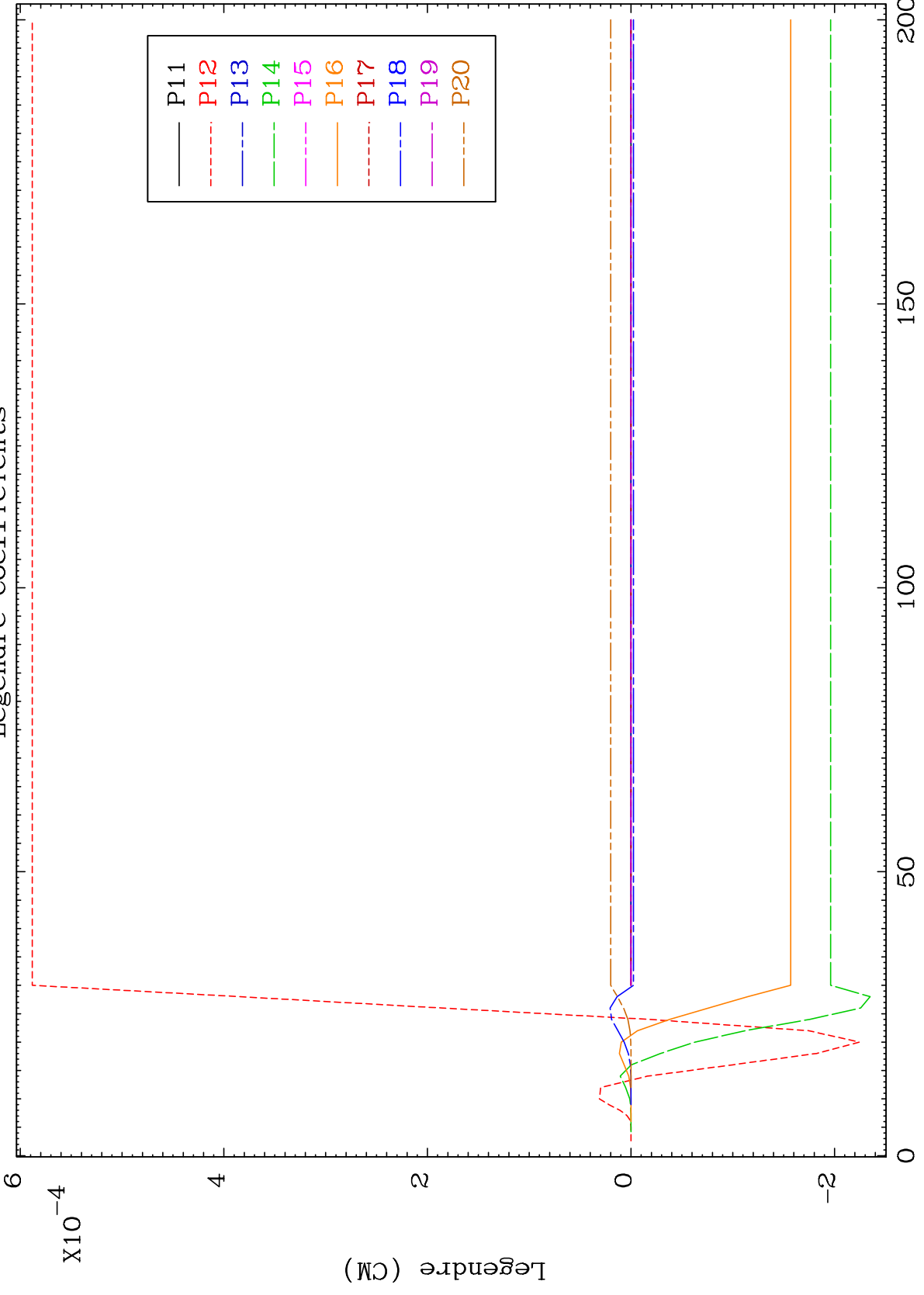


MAT 8034 MT= 63 (n,n') Level Legendre Coefficients 80-Hg-199



64 80-Hg-199

MAT 8034 MT= 63 (n,n') Level Legendre Coefficients 80-Hg-199

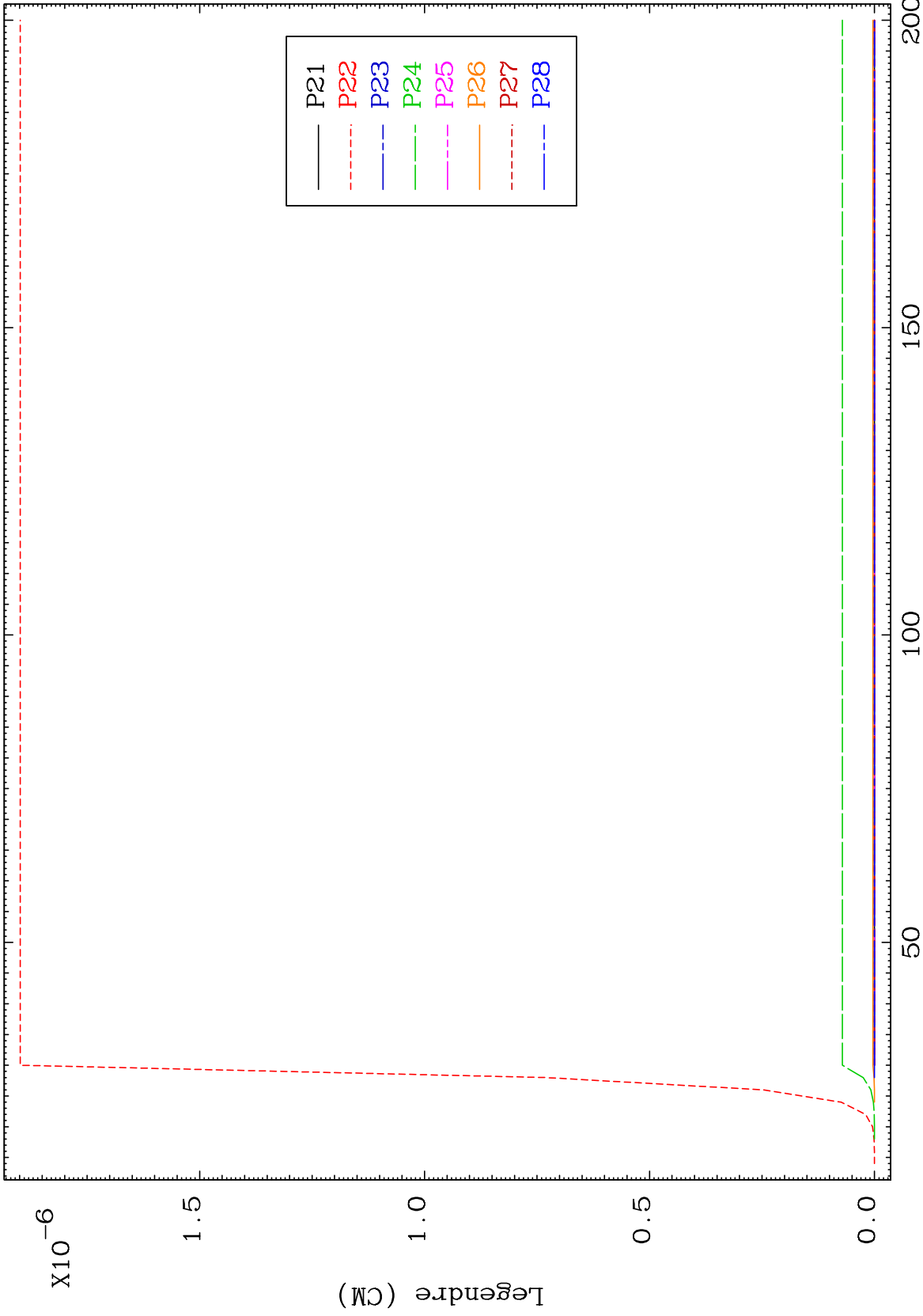


65 80-Hg-199

MAT 8034

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

80-Hg-199



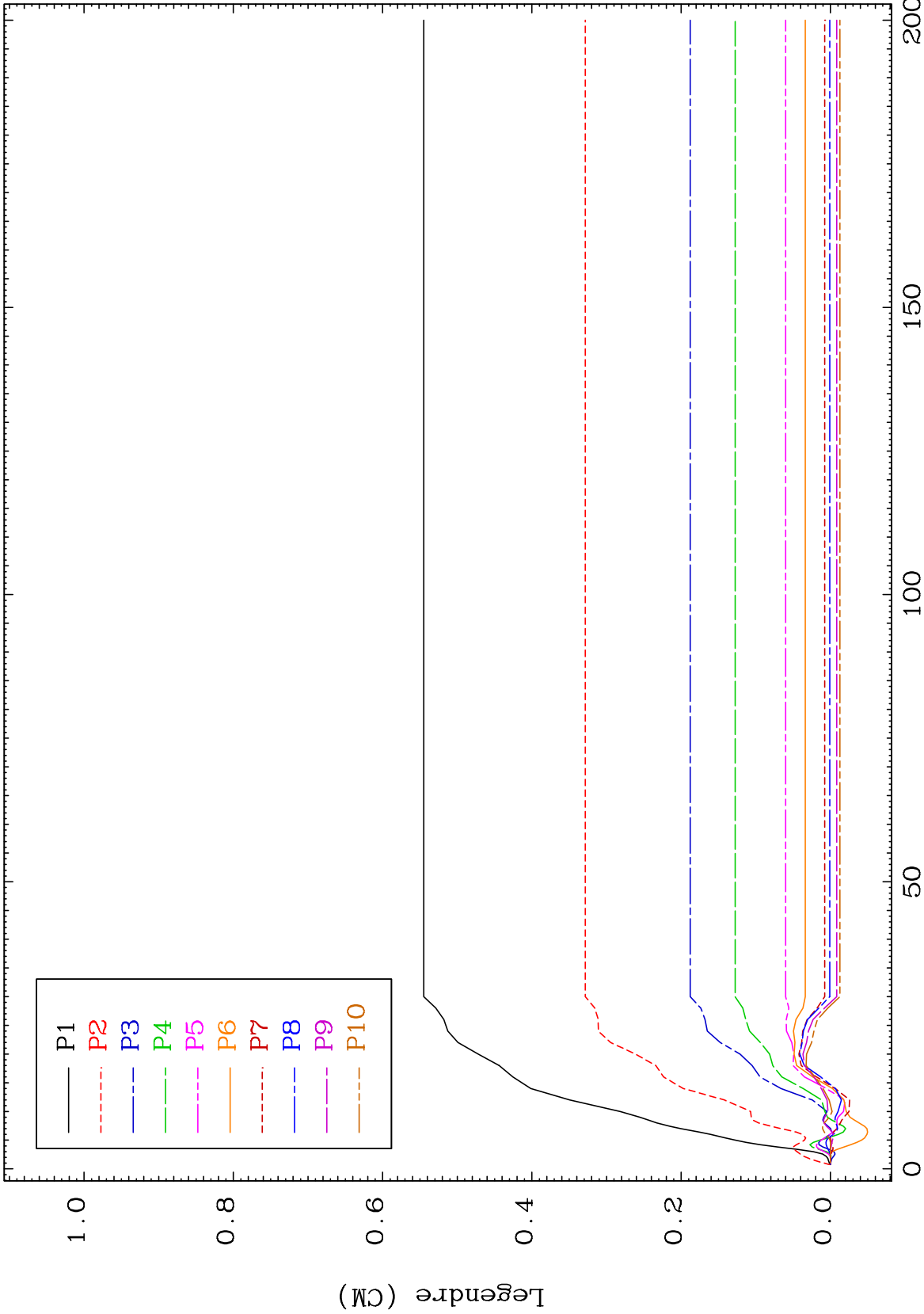
66

80-Hg-199

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

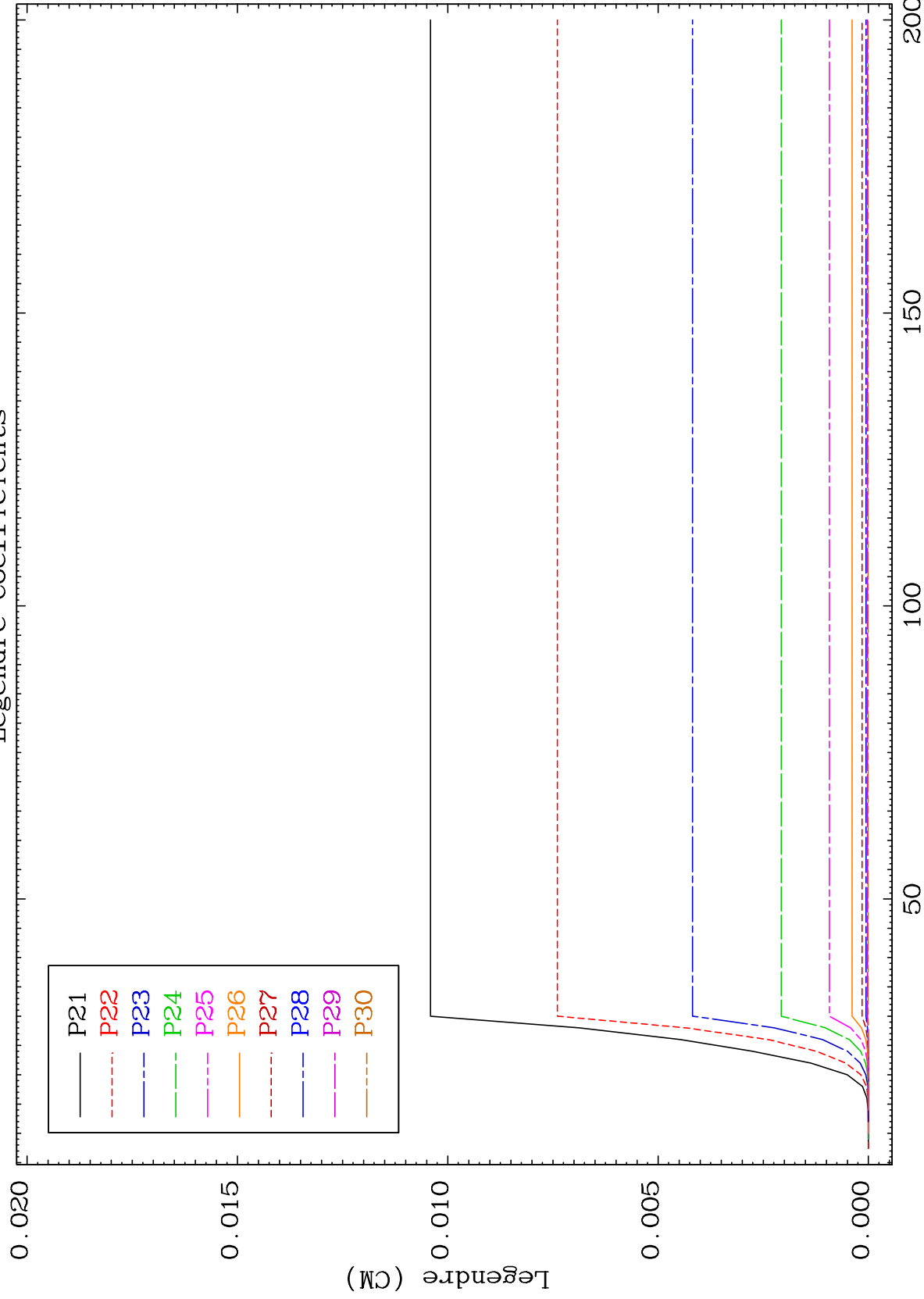
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



69

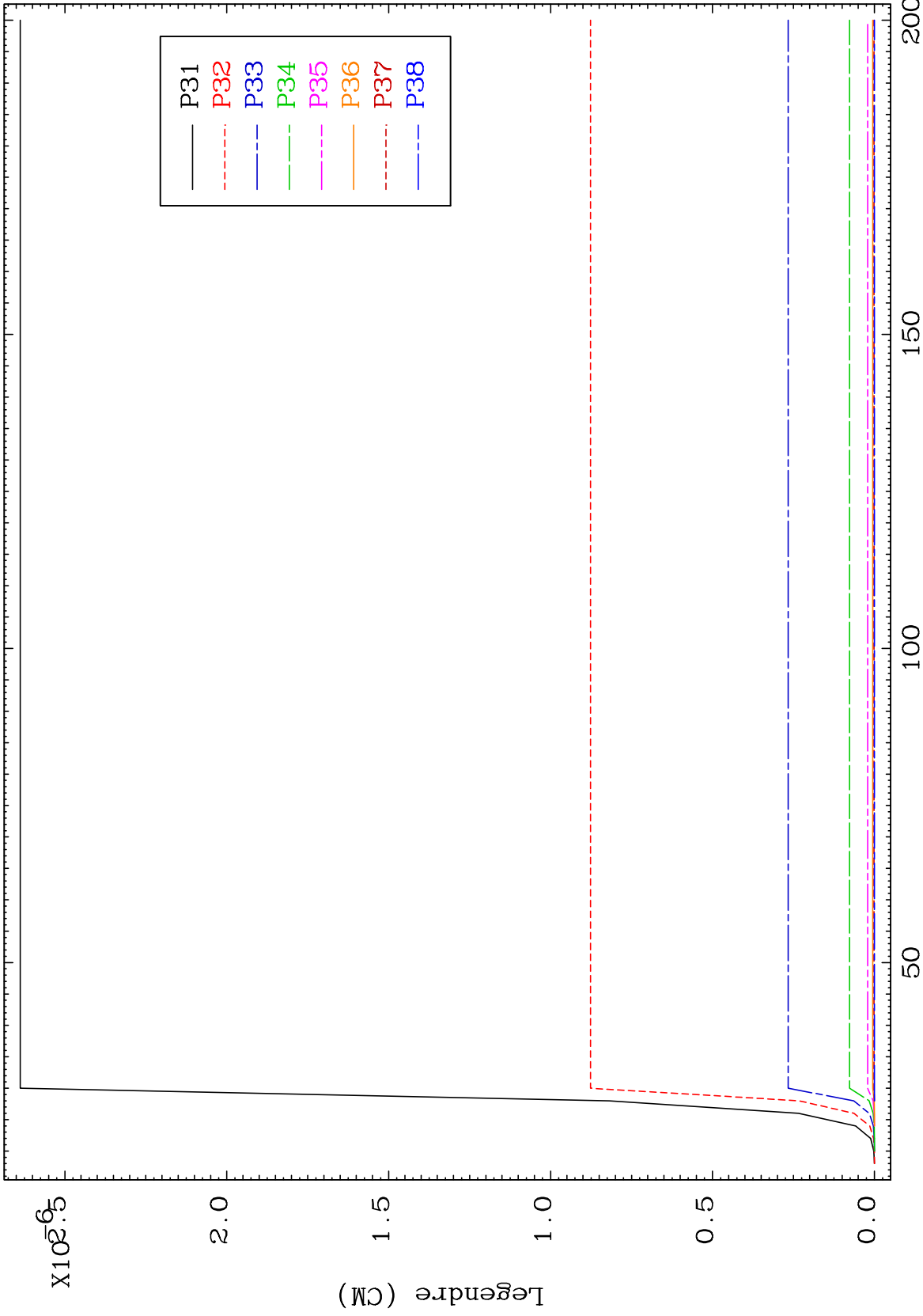
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



70

Incident Energy (MeV)

50

100

150

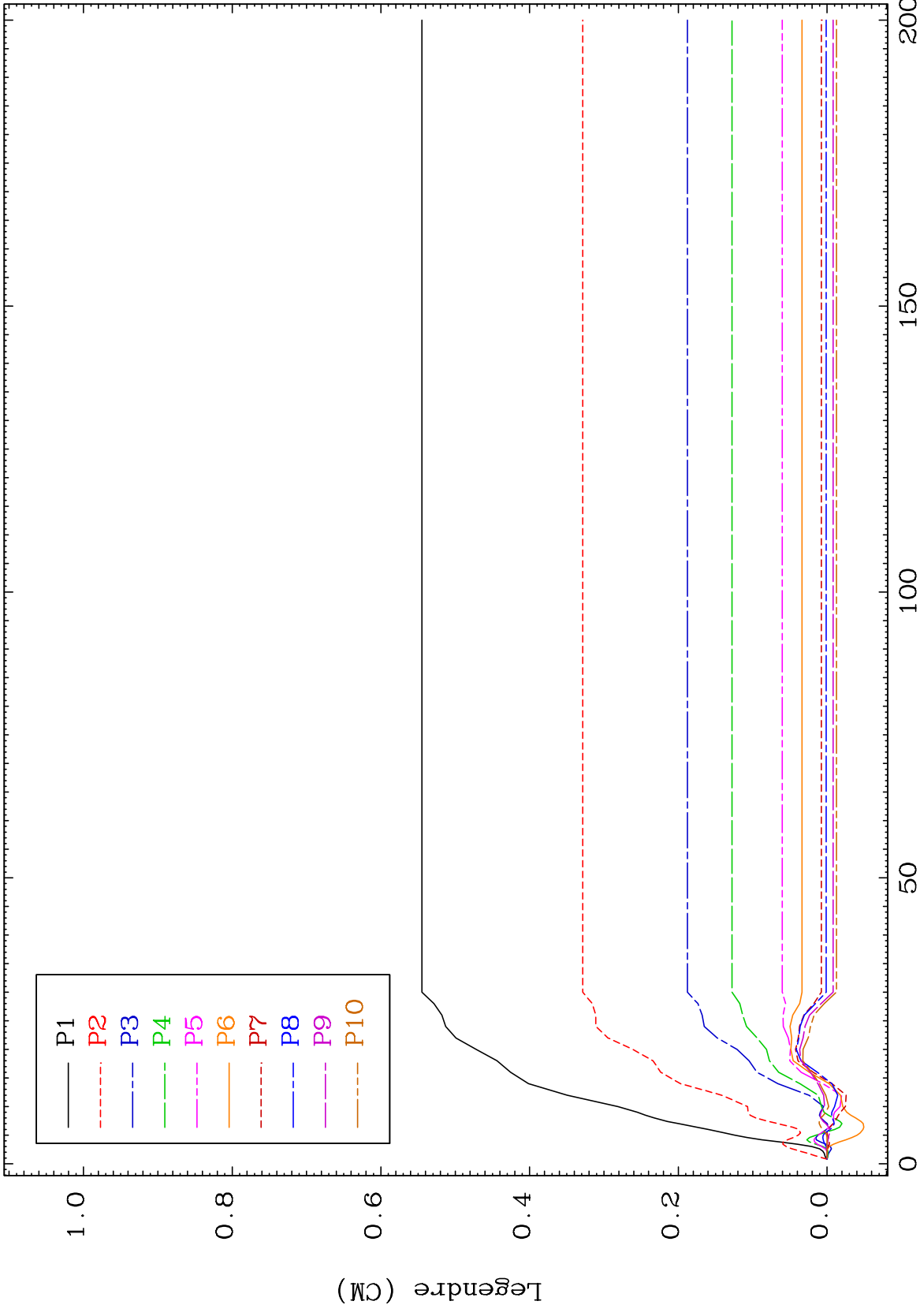
200

80-Hg-199

MAT 8034

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

80-Hg-199



71

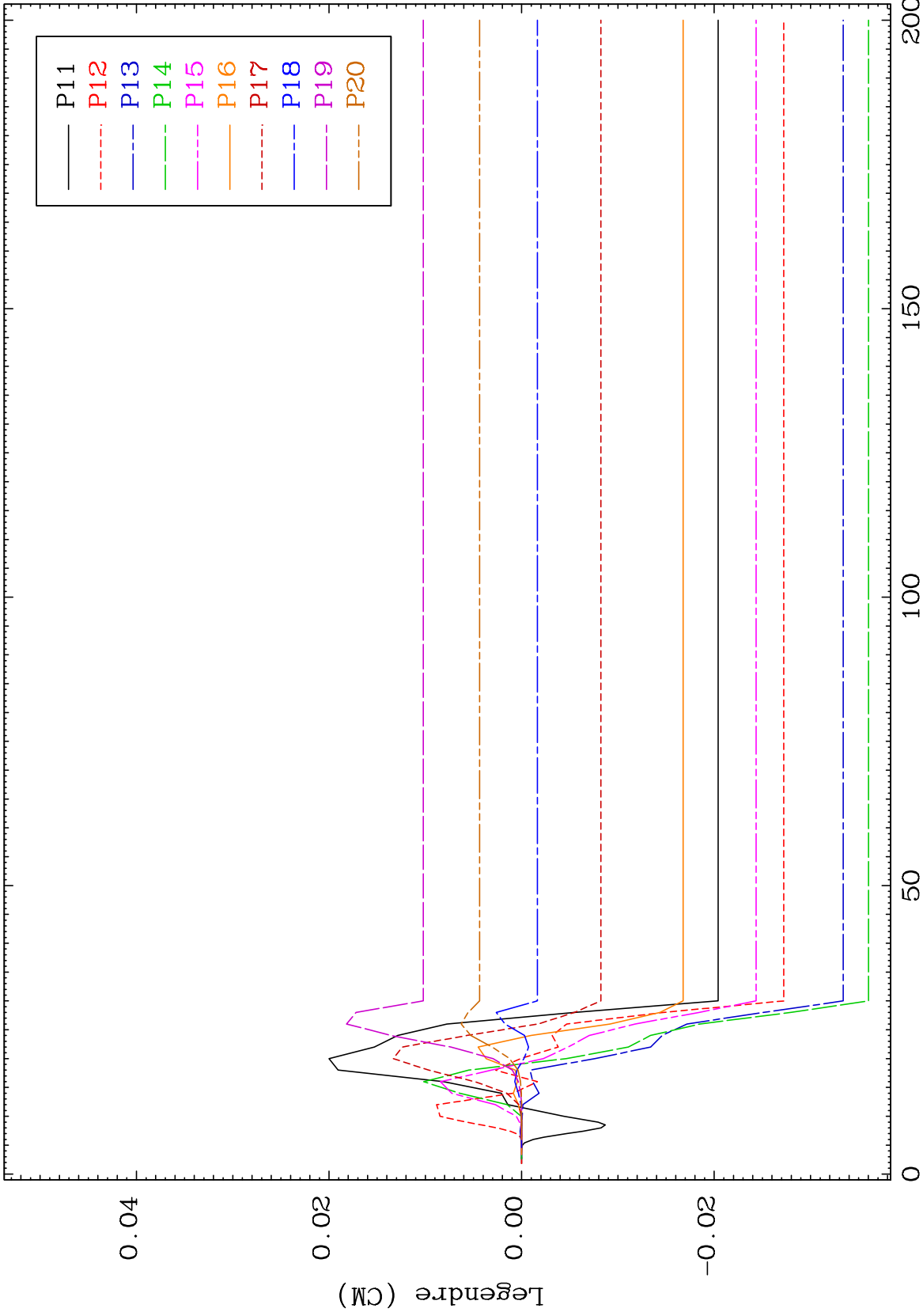
80-Hg-199



MAT 8034

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

80-Hg-199



72

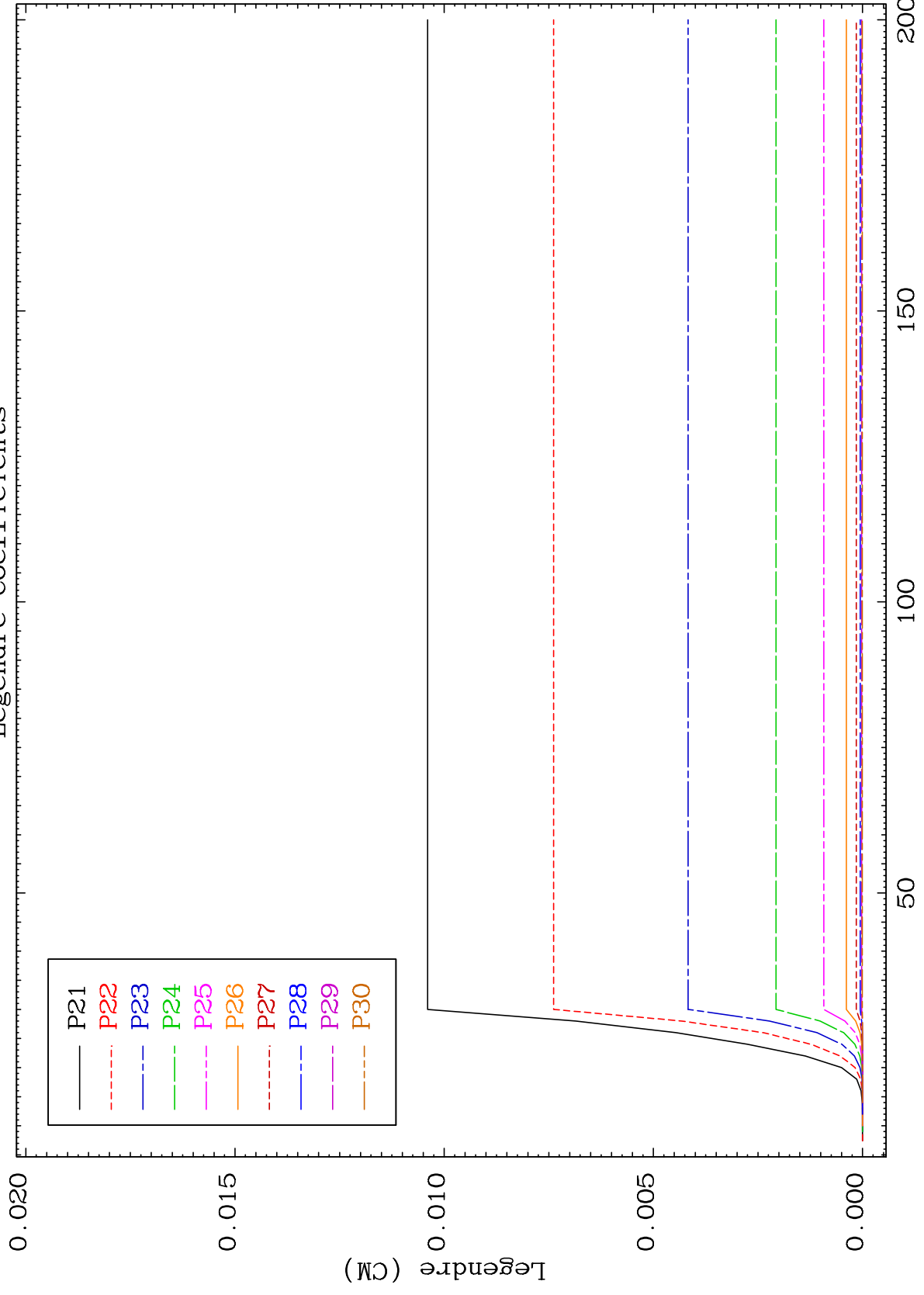
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



73

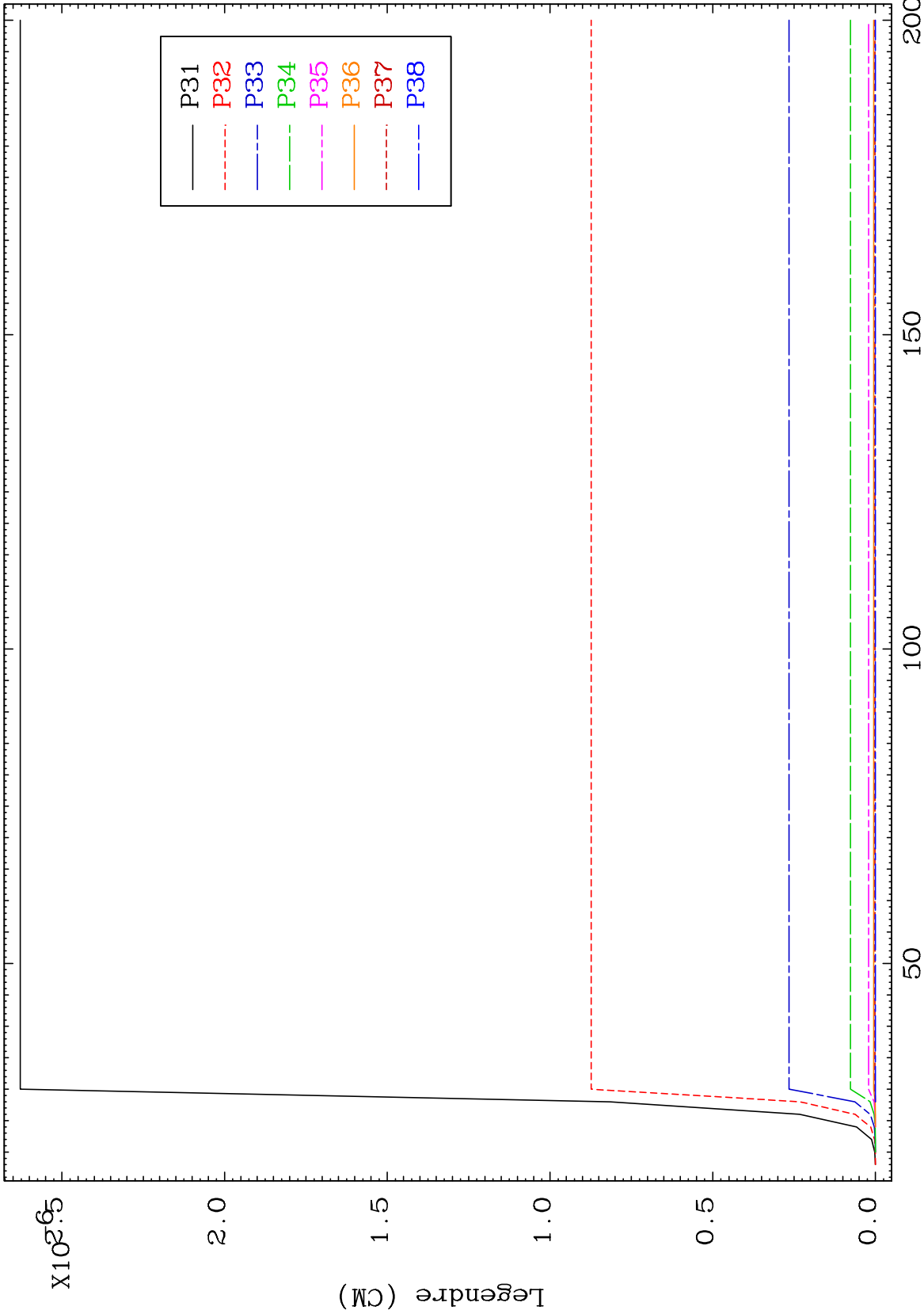
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

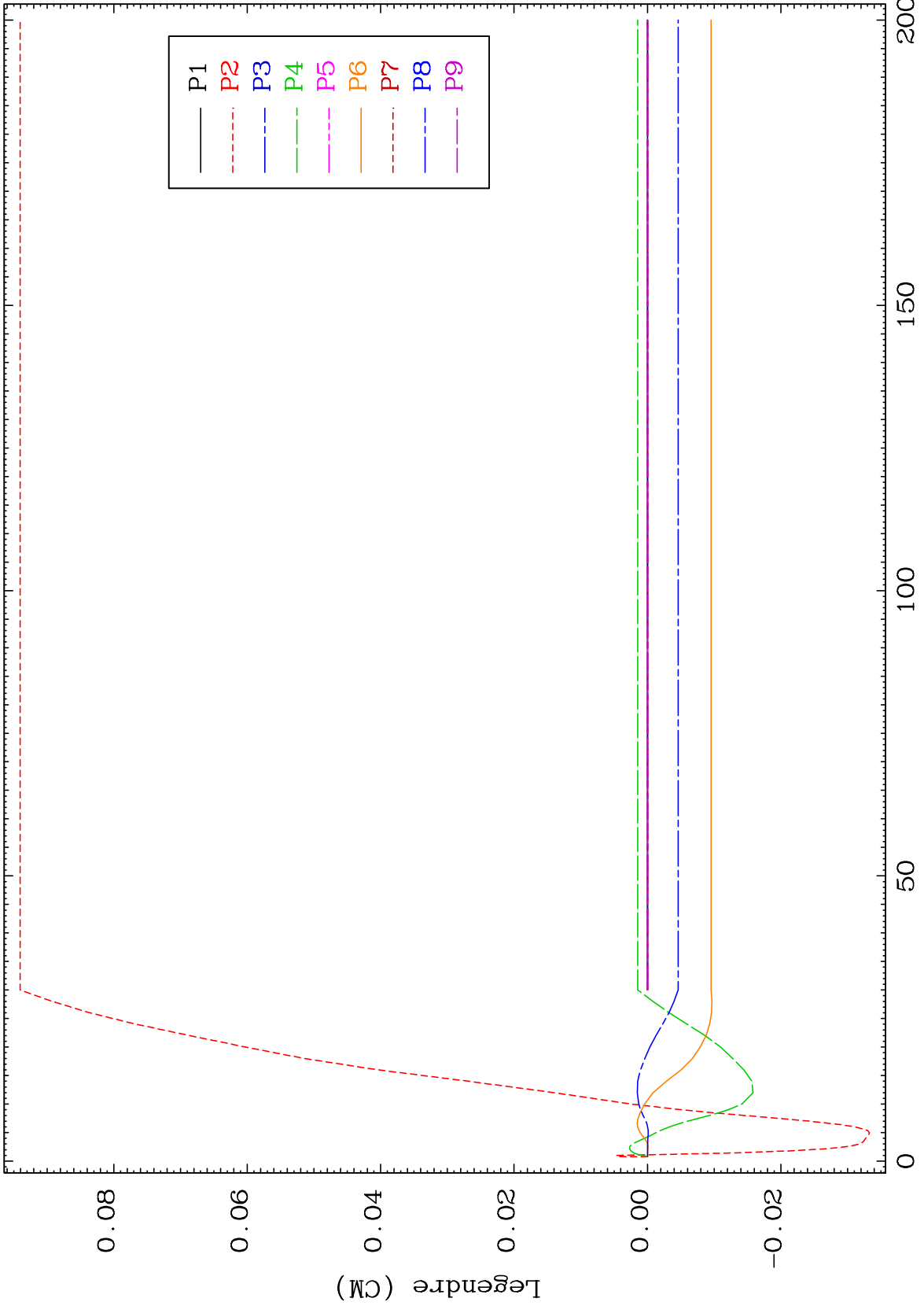
80-Hg-199



74

80-Hg-199

MAT 8034 MT= 66 (n,n') Level Legendre Coefficients 80-Hg-199

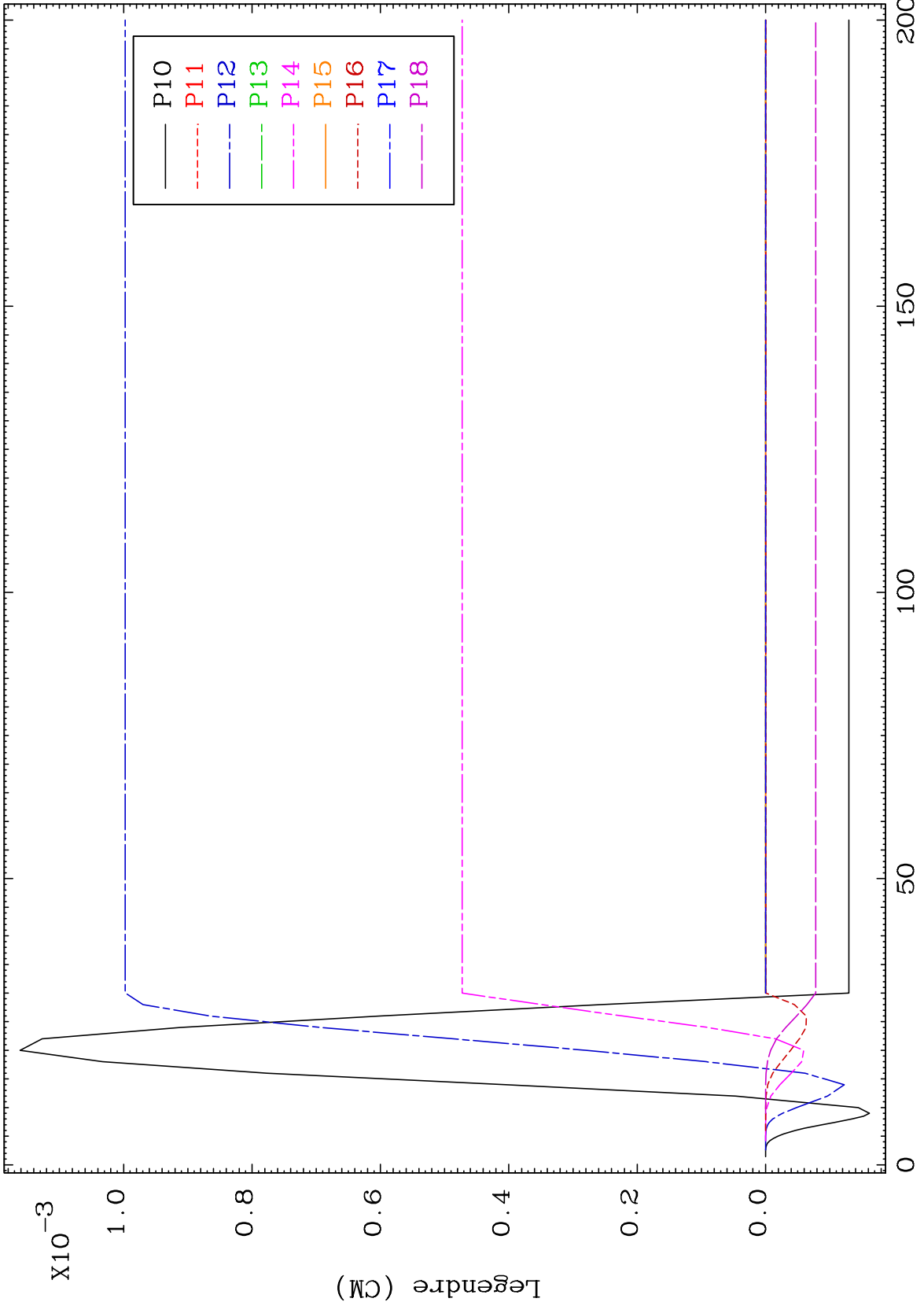


75 Incident Energy (MeV) 80-Hg-199

MAT 8034

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

80-Hg-199



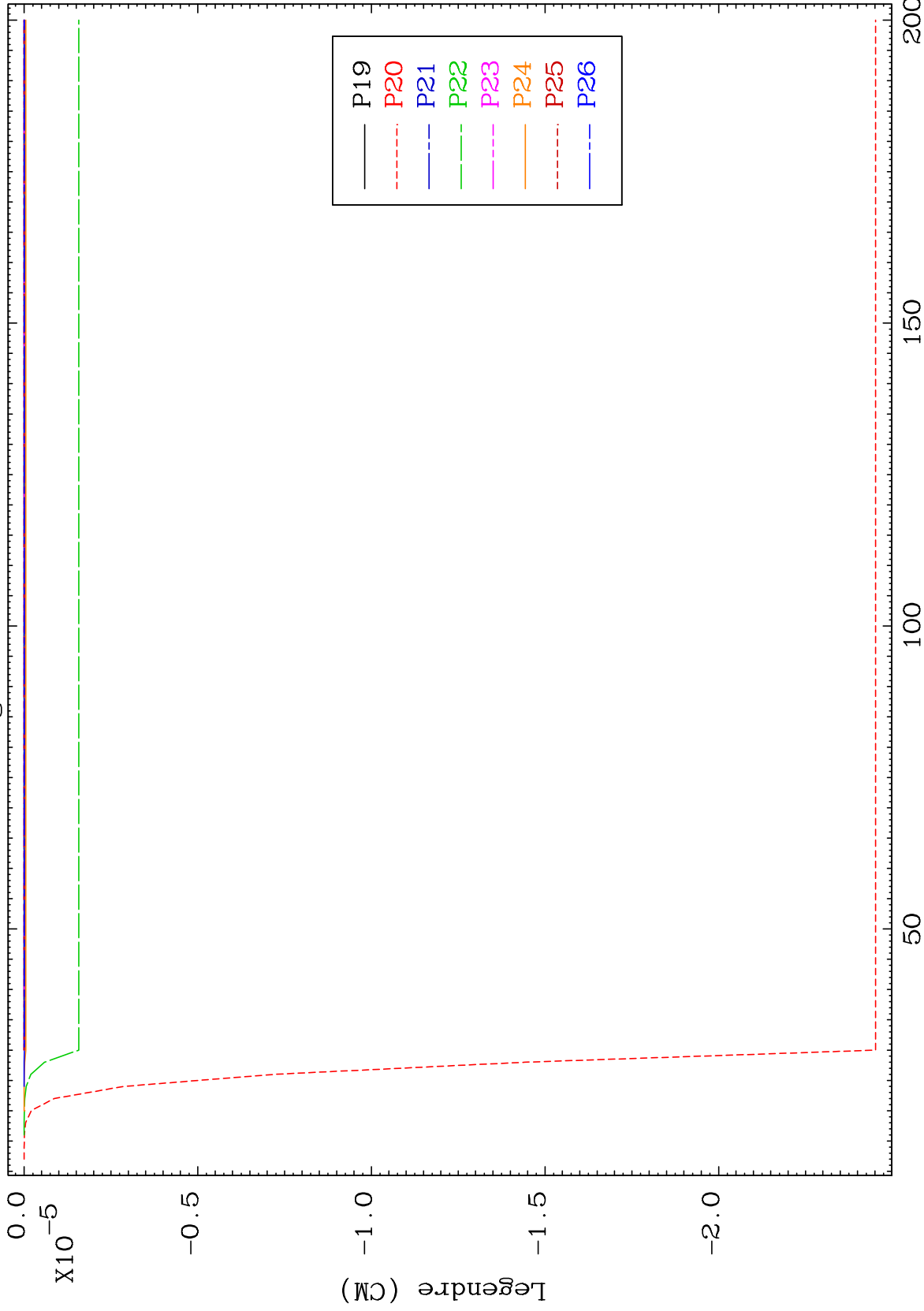
76

80-Hg-199

MAT 8034

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

80-Hg-199

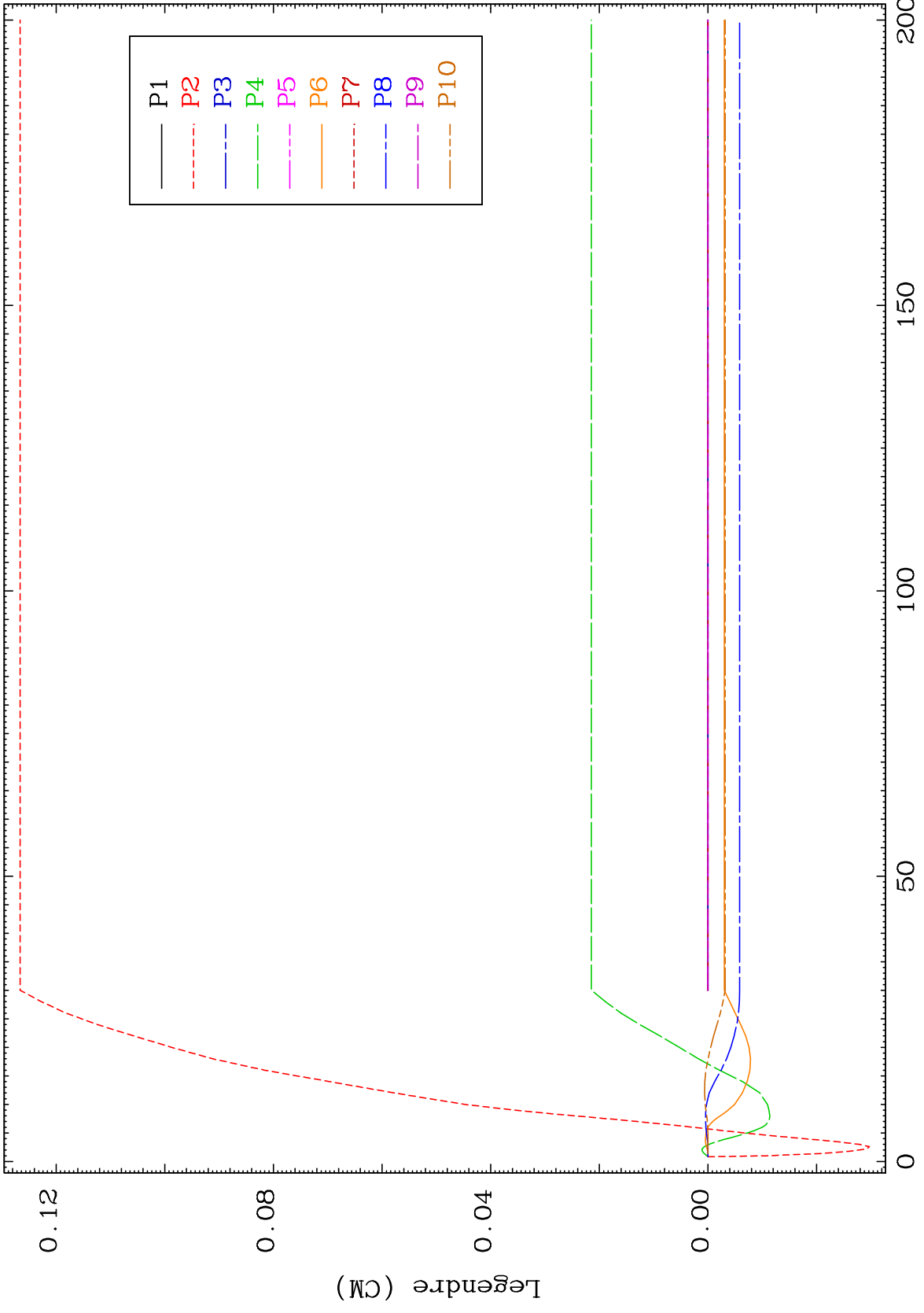


77

Incident Energy (MeV)

80-Hg-199

MAT 8034 MT= 67 (n,n') Level Legendre Coefficients 80-Hg-199

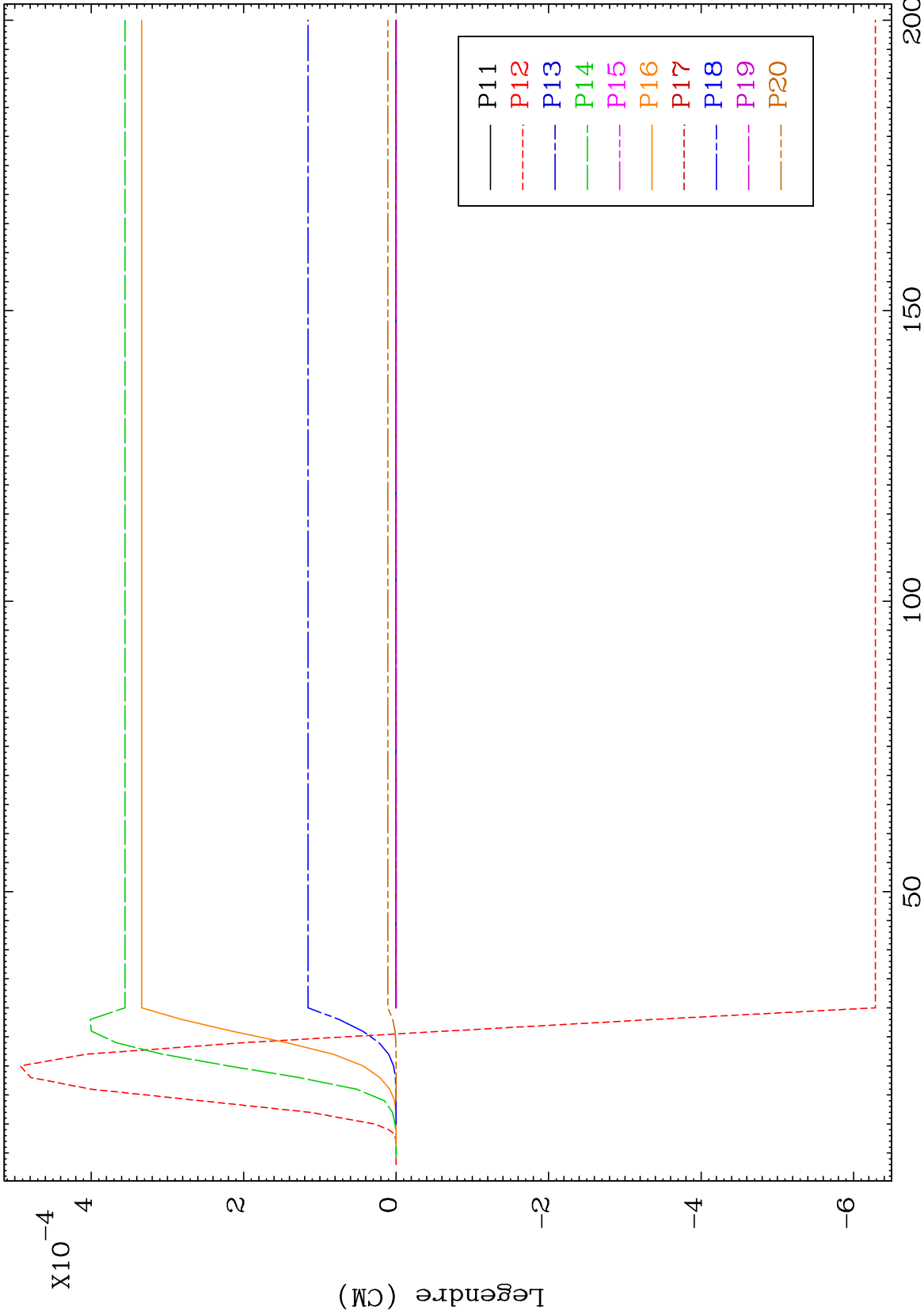


78 80-Hg-199

MAT 8034

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

80-Hg-199



79

Incident Energy (MeV)

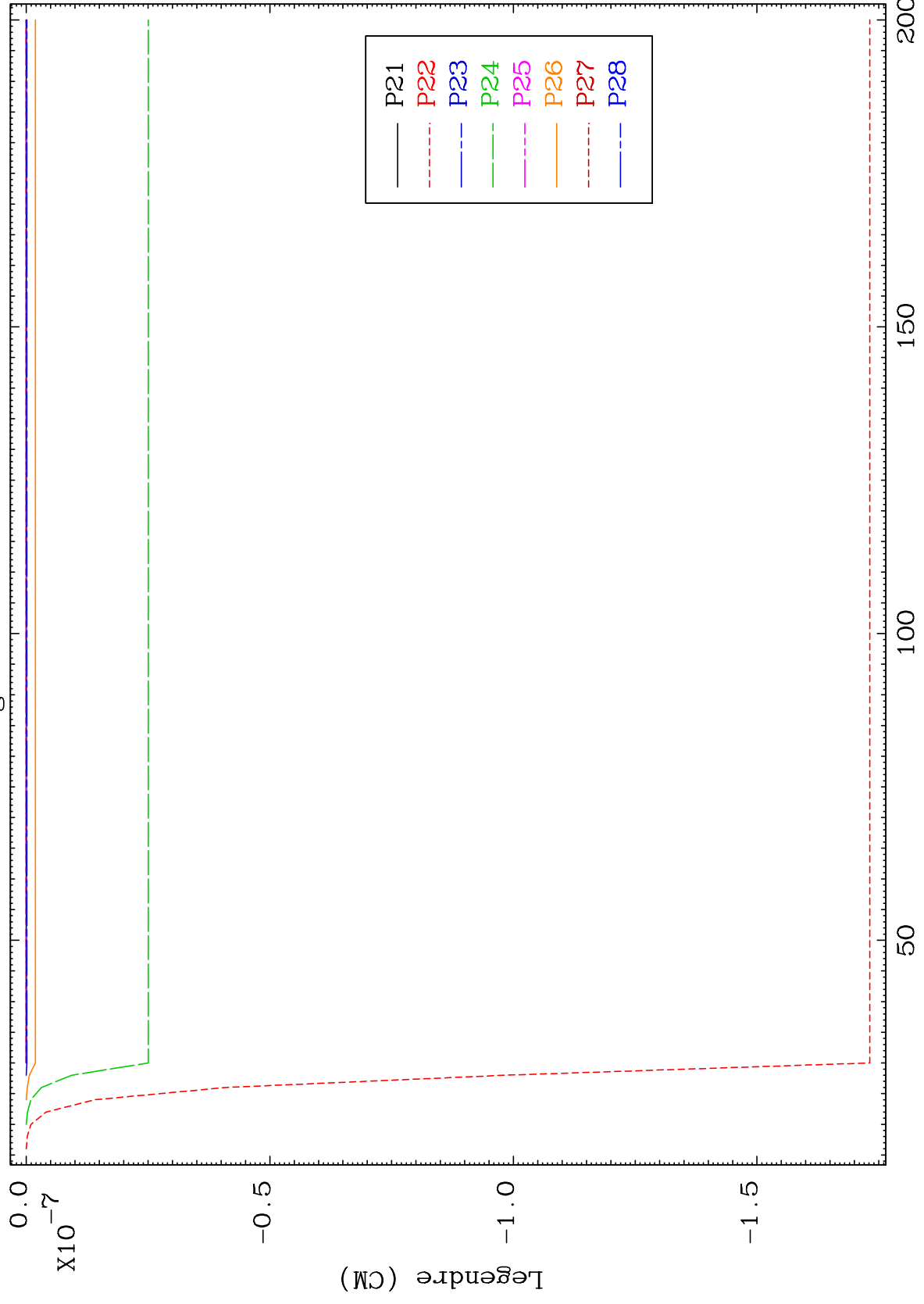
80-Hg-199



MAT 8034

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

80-Hg-199



80-Hg-199

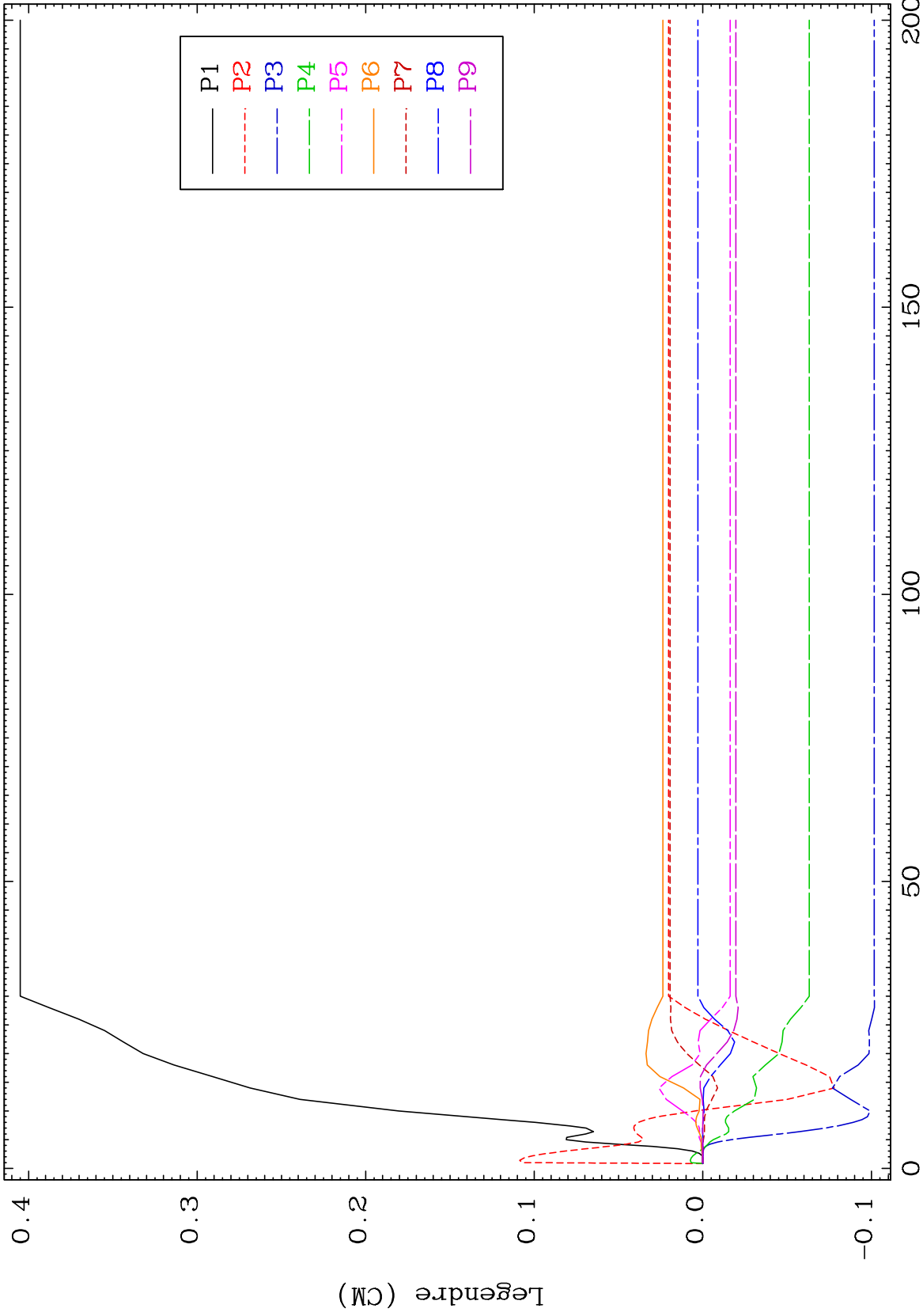
Incident Energy (MeV)

80

MAT 8034

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

80-Hg-199



81

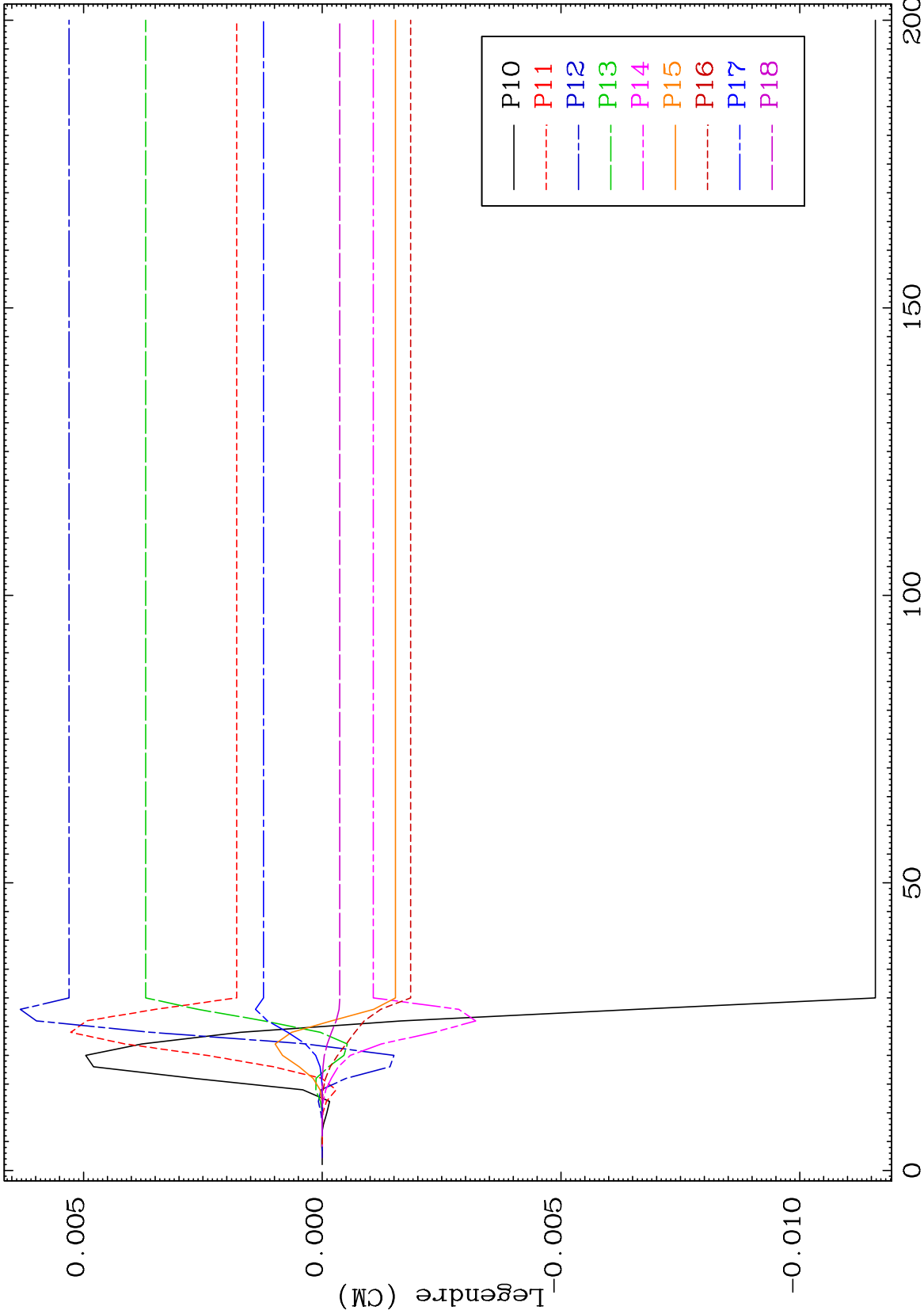
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



82

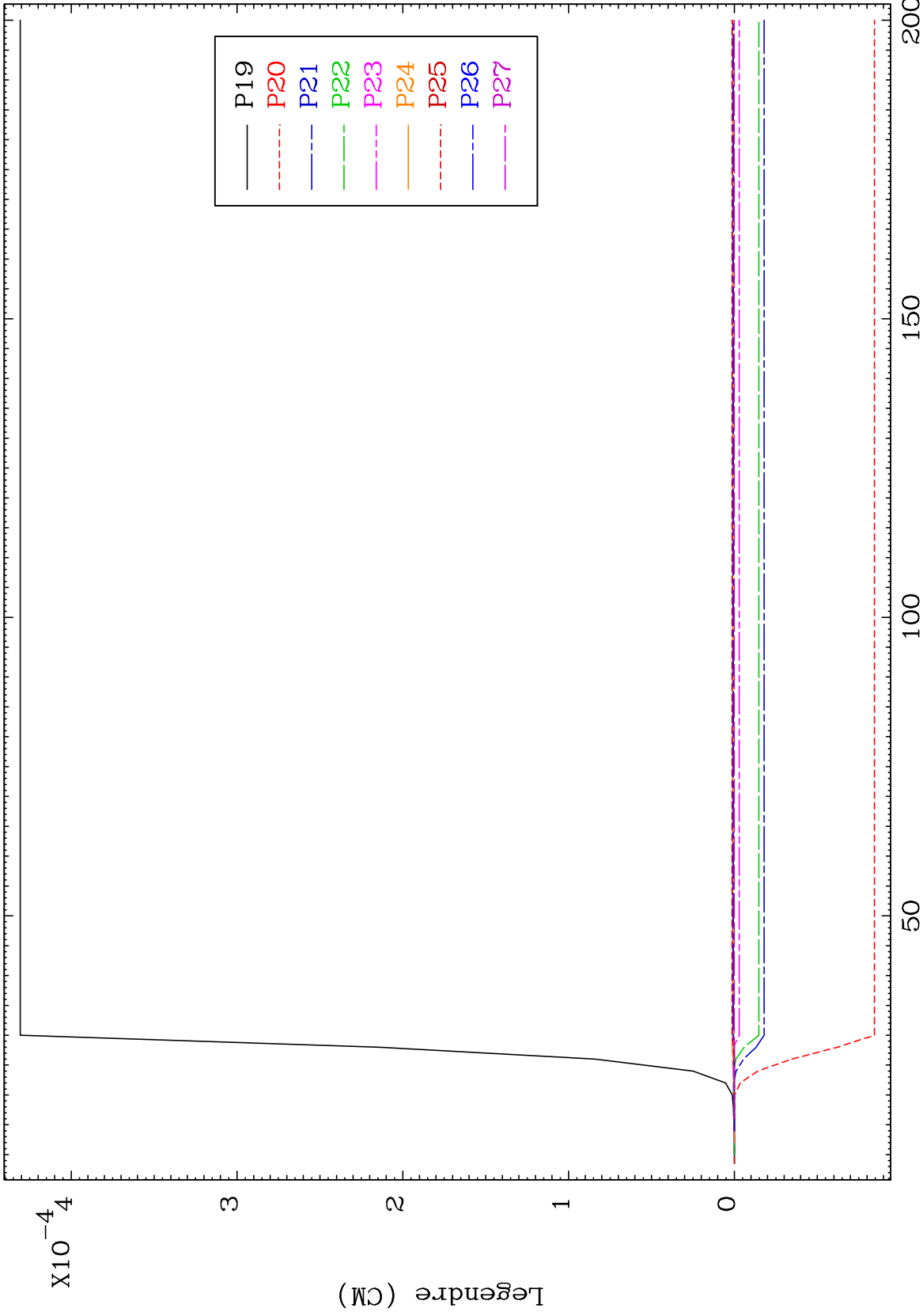
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



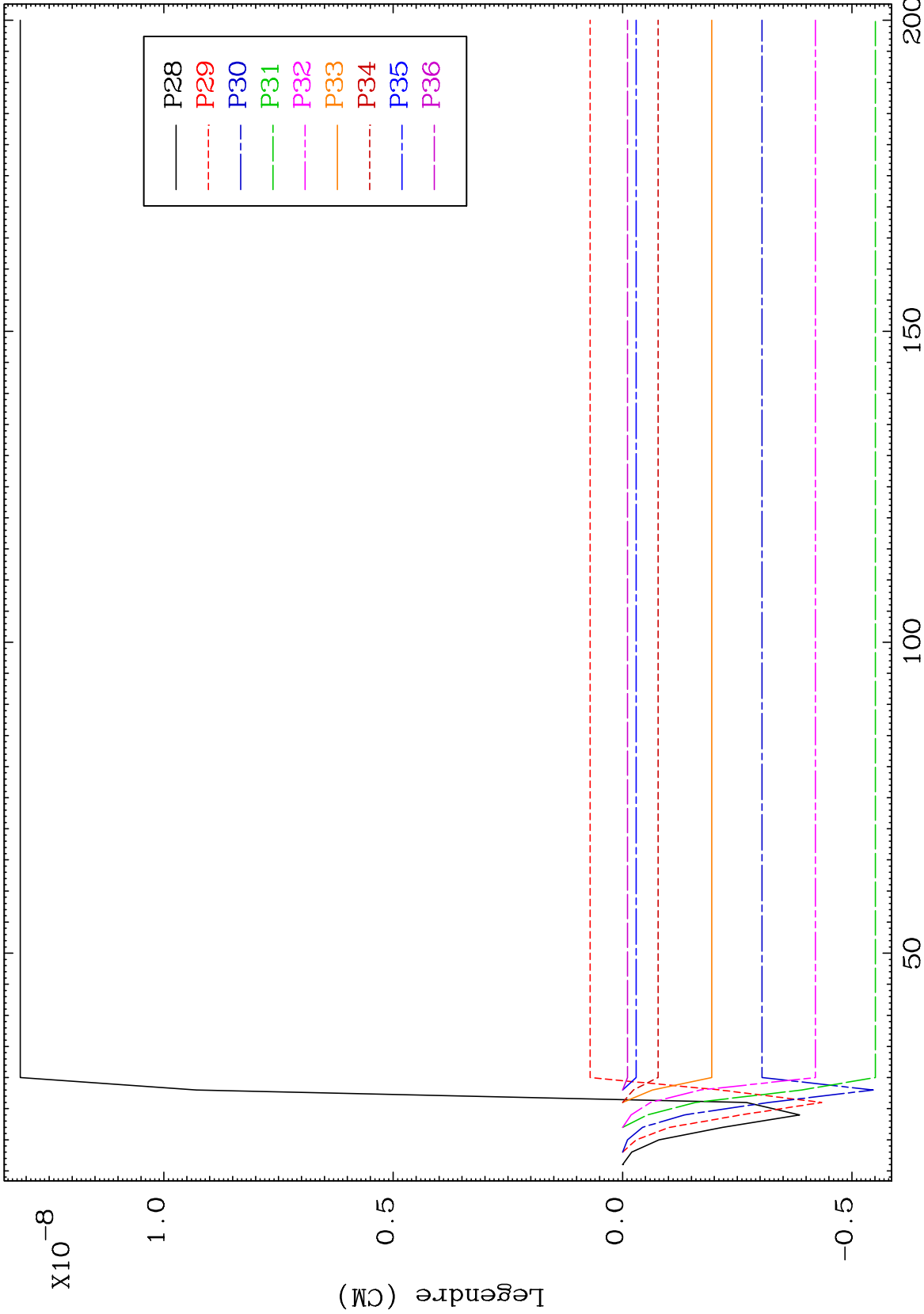
83

80-Hg-199

MAT 8034

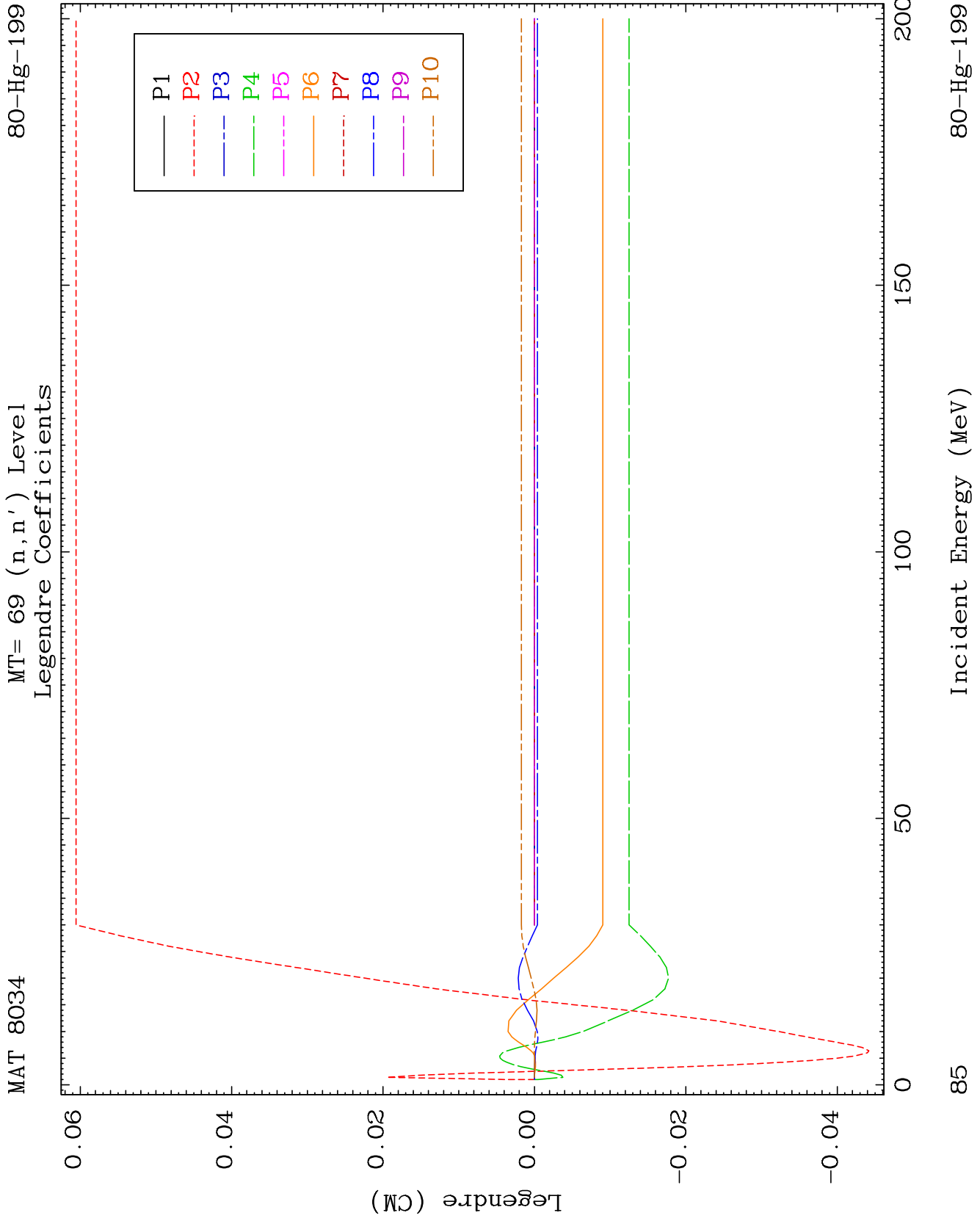
MT= 68 (n,n') Level  
Legendre Coefficients

80-Hg-199



84

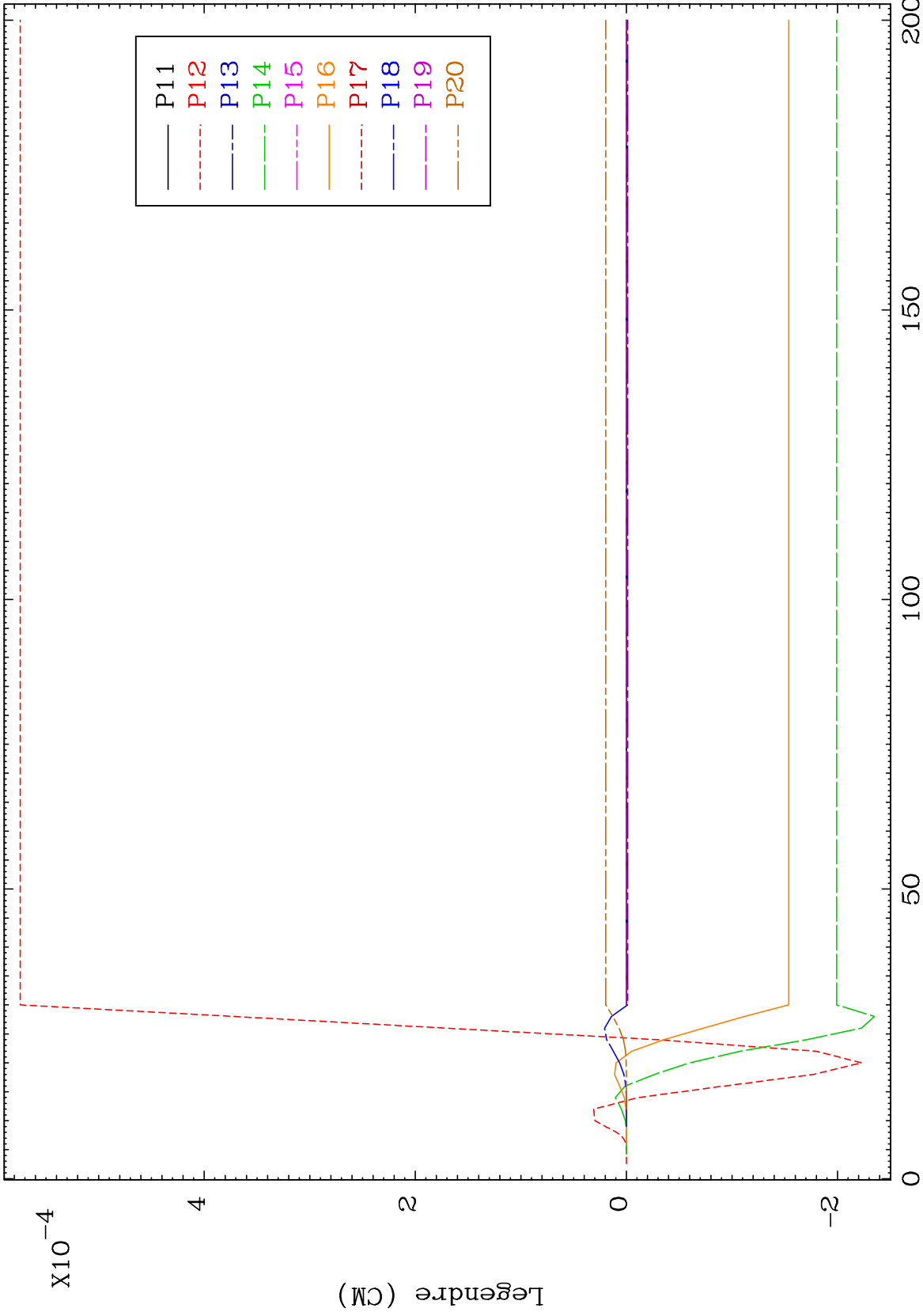
80-Hg-199



MAT 8034

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

80-Hg-199

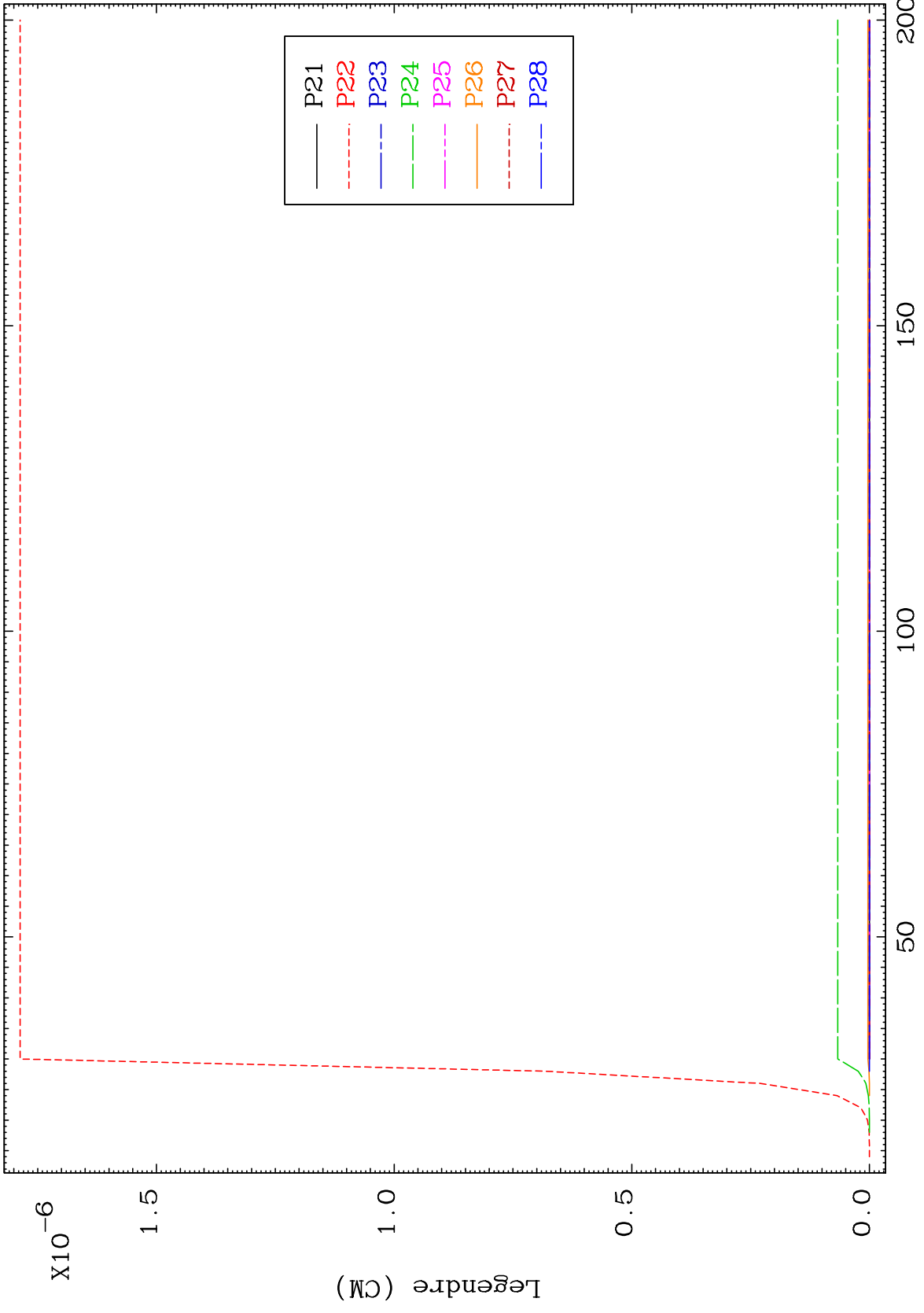


86

Incident Energy (MeV)

80-Hg-199

MAT 8034 MT= 69 (n,n') Level Legendre Coefficients 80-Hg-199

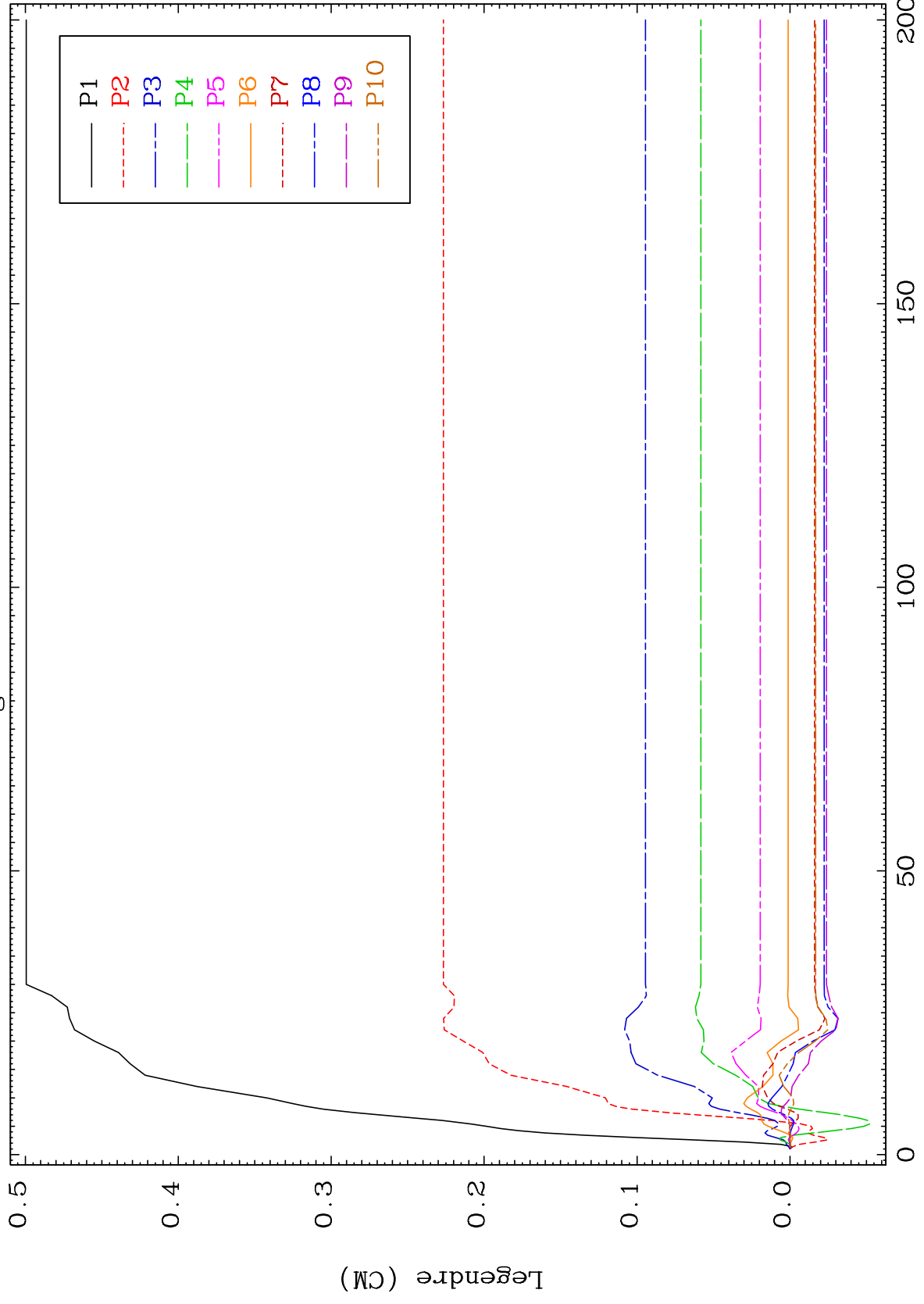


87

80-Hg-199



MAT 8034 MT= 70 (n,n') Level Legendre Coefficients 80-Hg-199

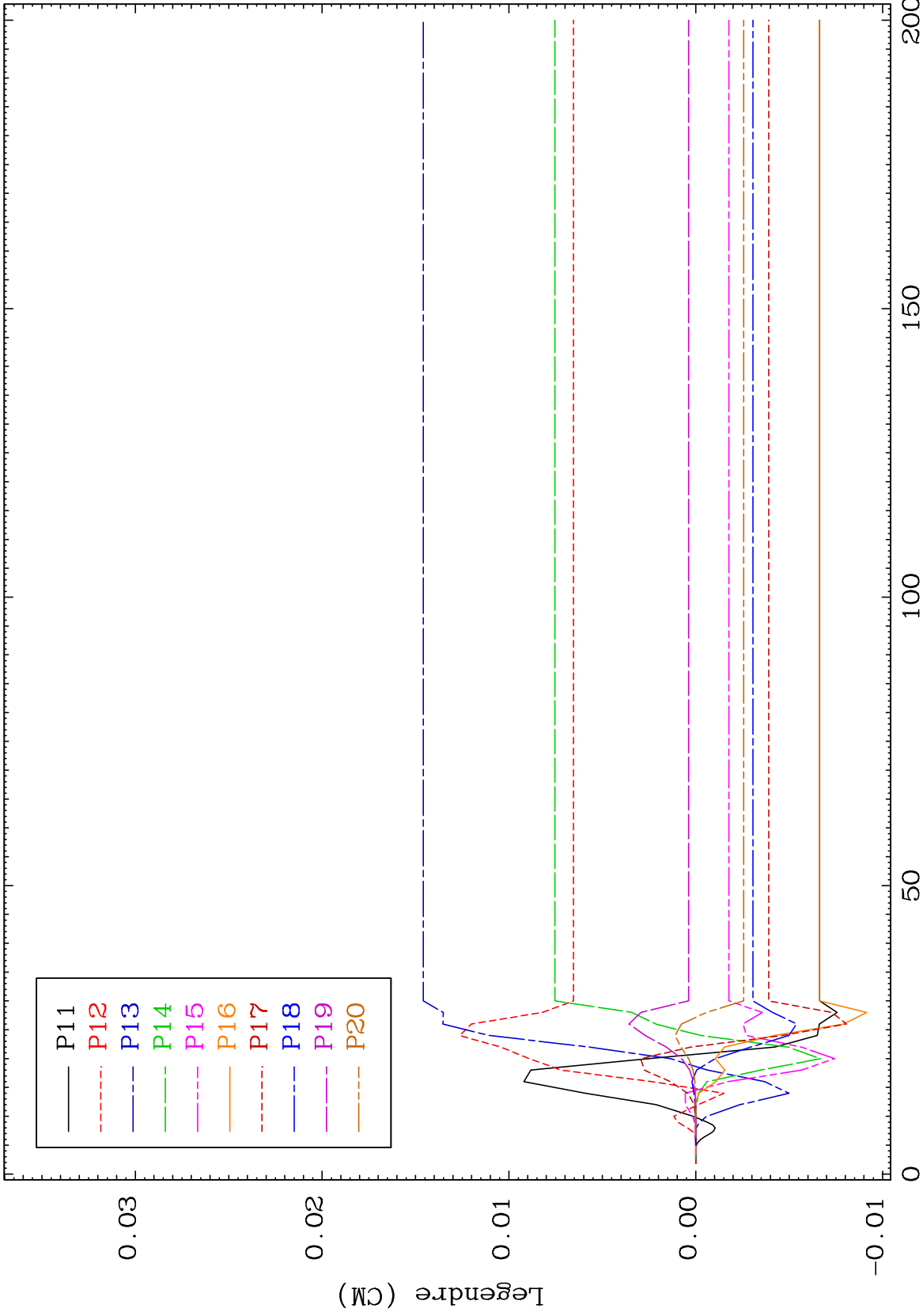


88 80-Hg-199

MAT 8034

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

80-Hg-199

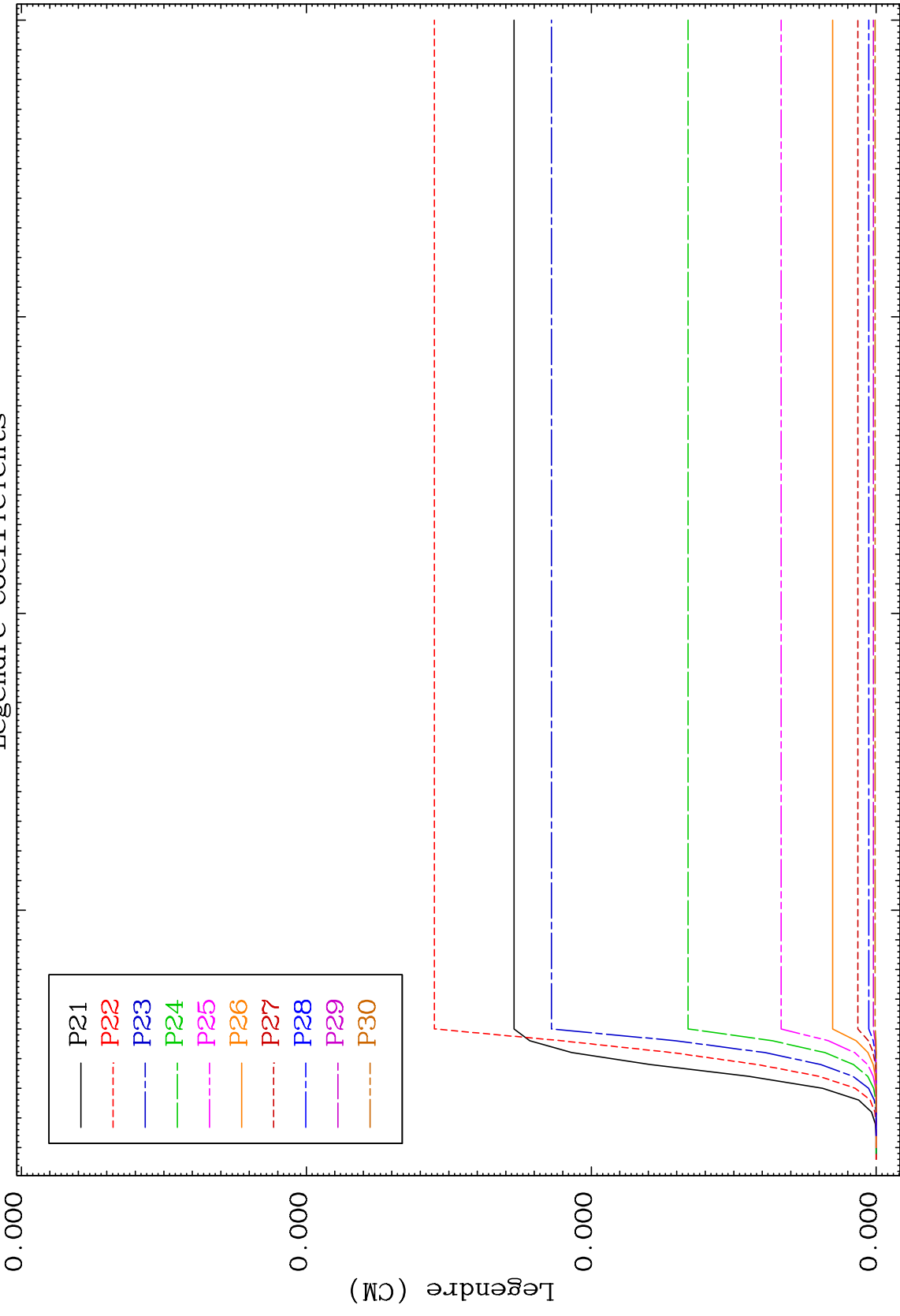


89

Incident Energy (MeV)

80-Hg-199

MAT 8034 MT= 70 (n,n') Level Legendre Coefficients 80-Hg-199

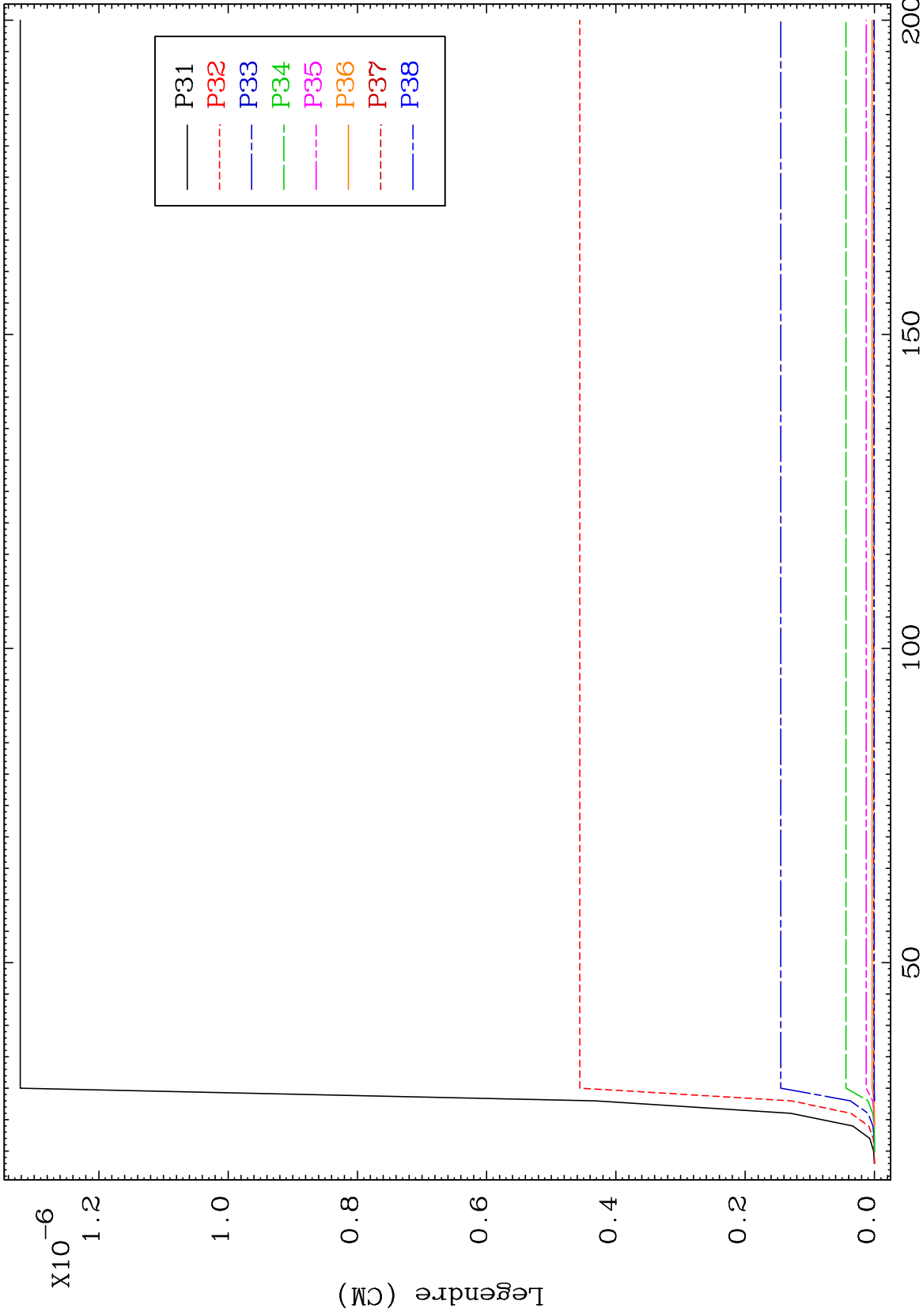


80-Hg-199

MAT 8034

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

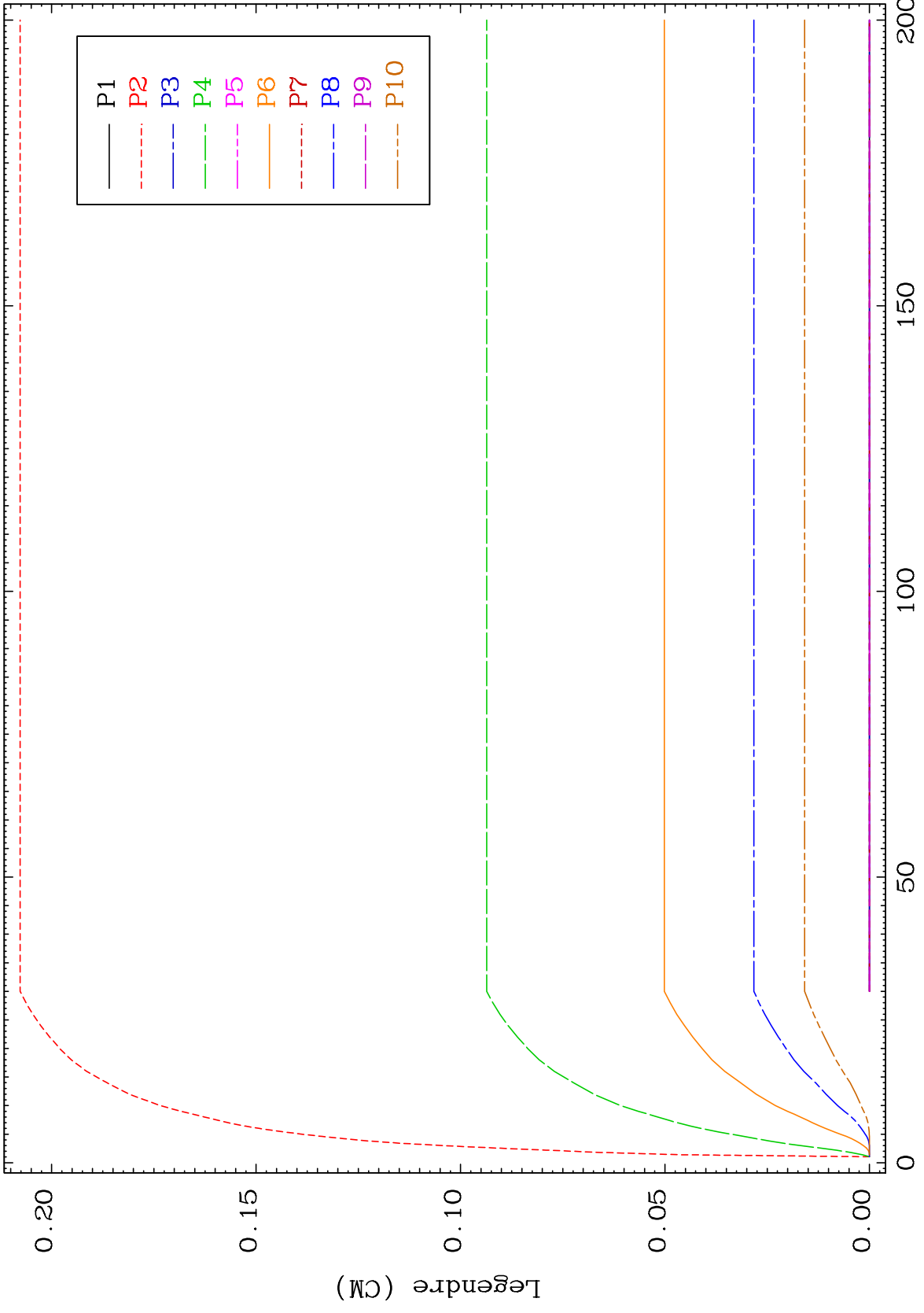
80-Hg-199



91

80-Hg-199

MAT 8034 MT= 71 (n,n') Level Legendre Coefficients 80-Hg-199

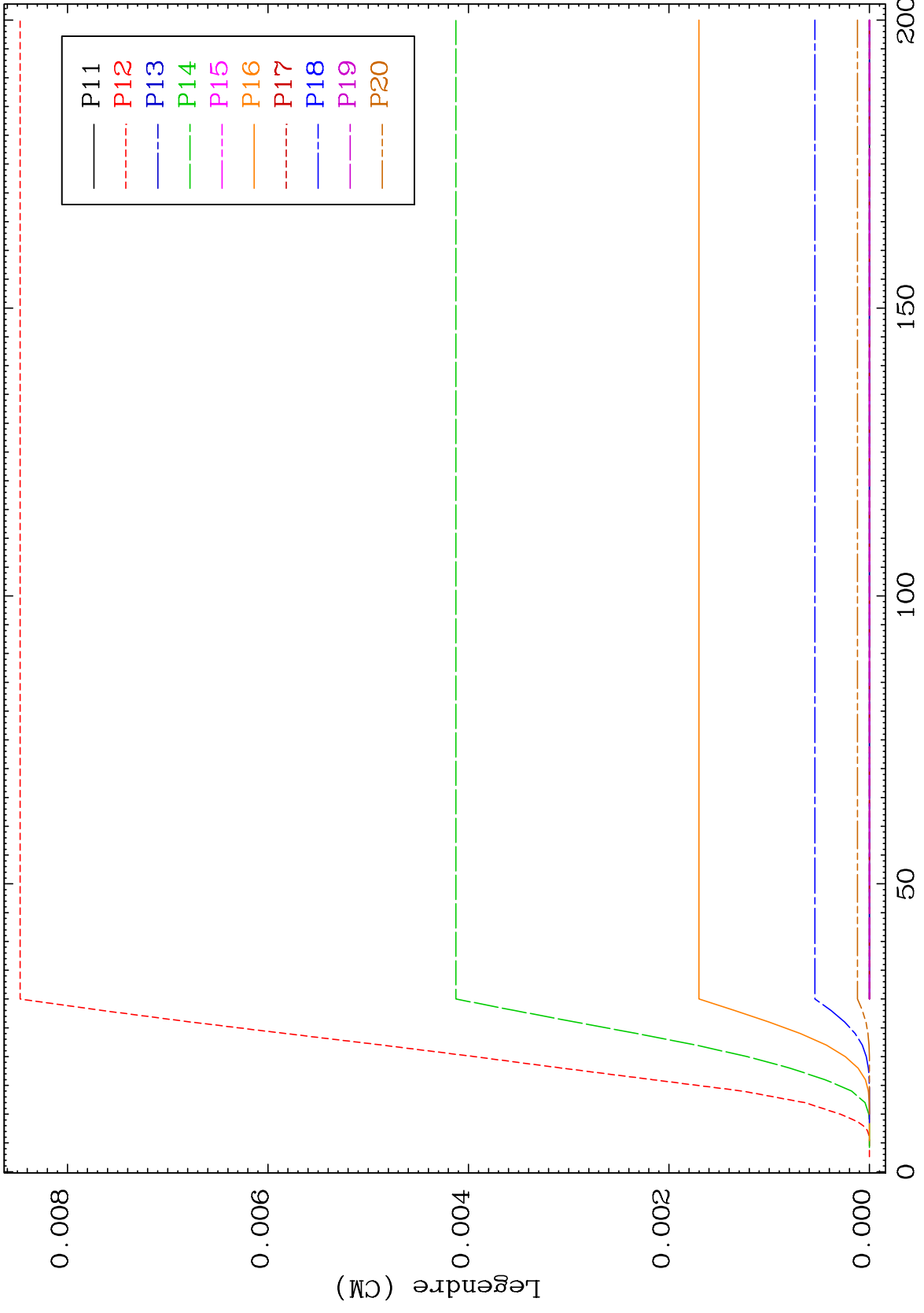


92 80-Hg-199

MAT 8034

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

80-Hg-199

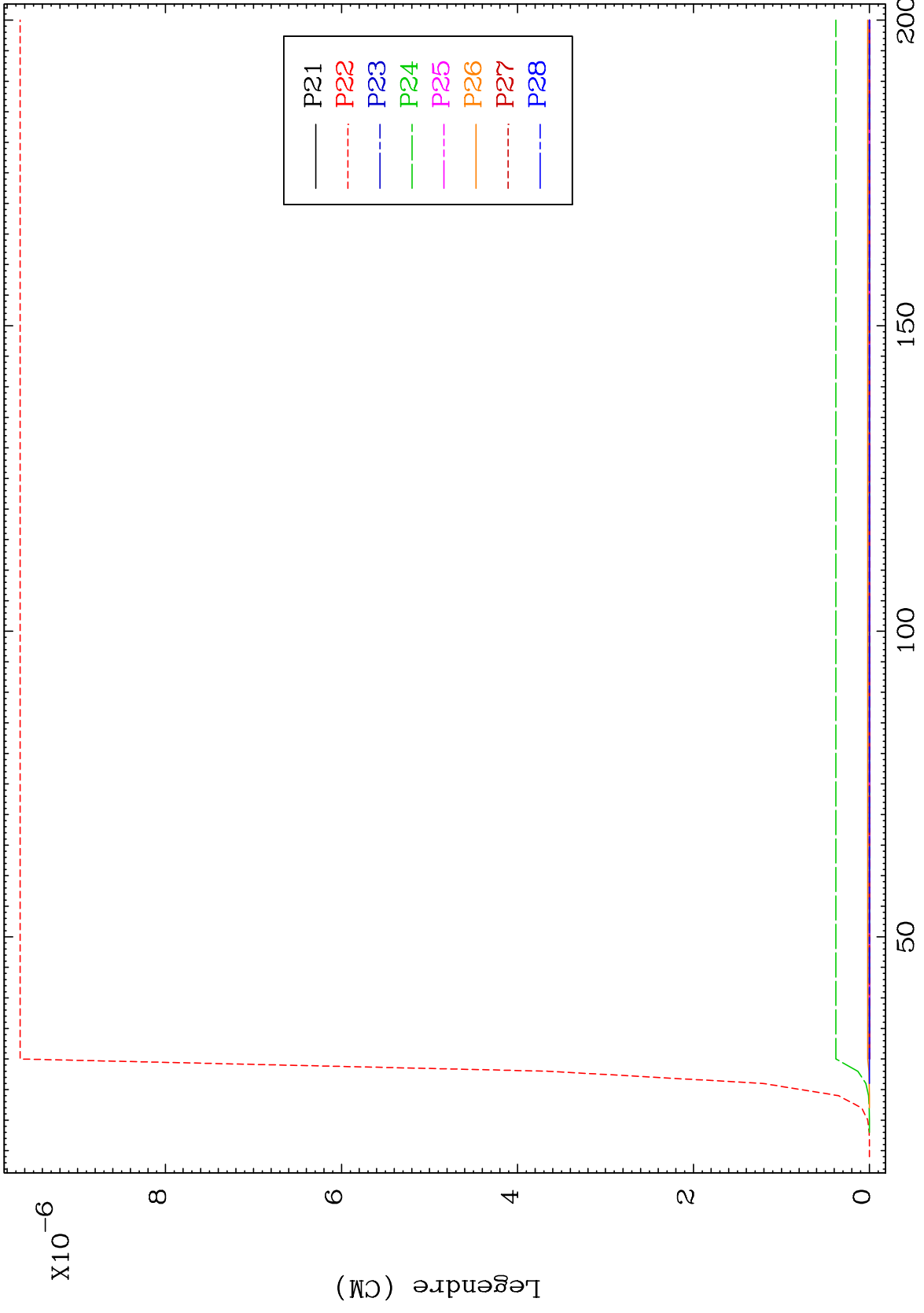


93

Incident Energy (MeV)

80-Hg-199

MAT 8034 MT= 71 (n,n') Level Legendre Coefficients 80-Hg-199

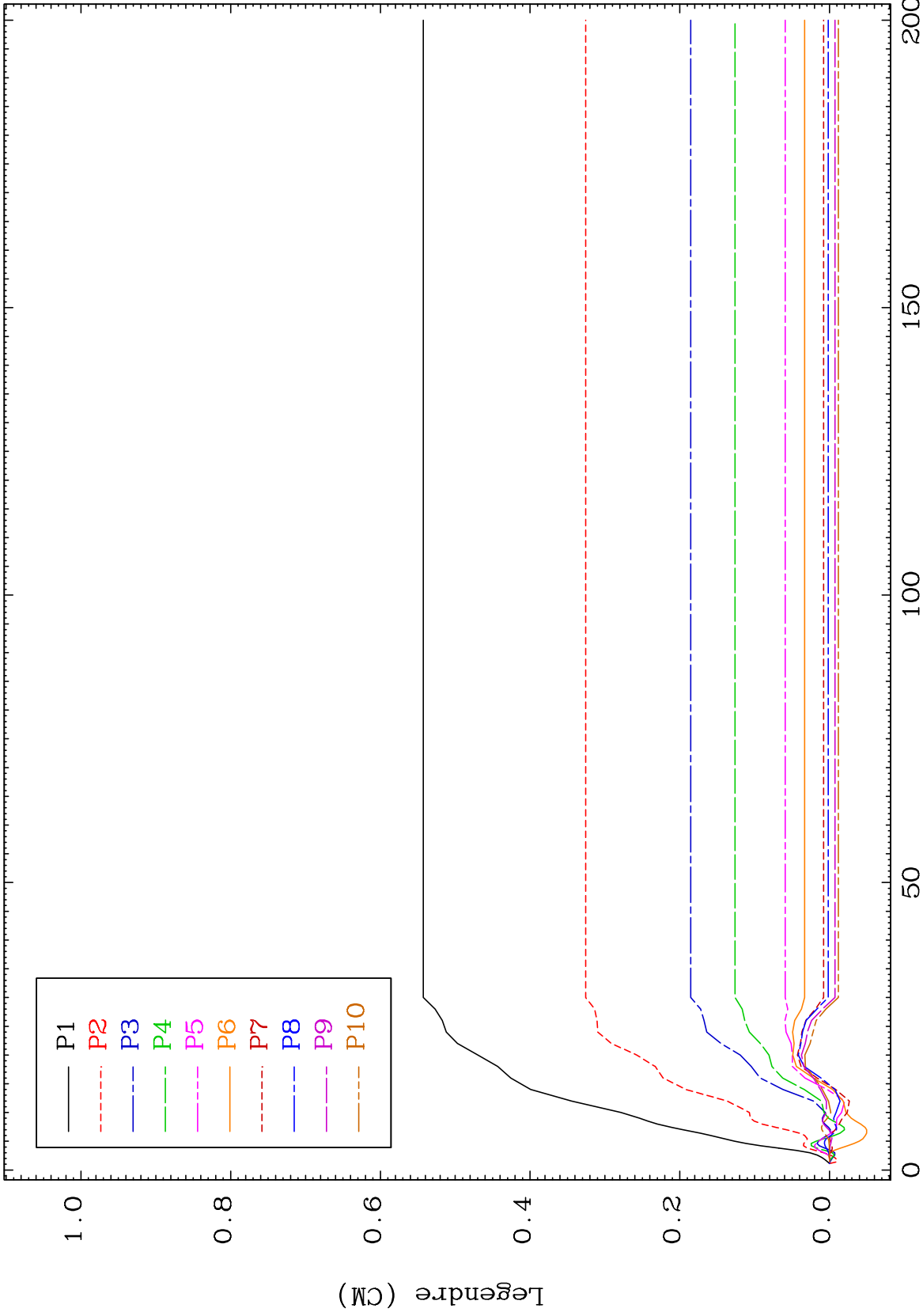


94 80-Hg-199

MAT 8034

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

80-Hg-199



95

Incident Energy (MeV)

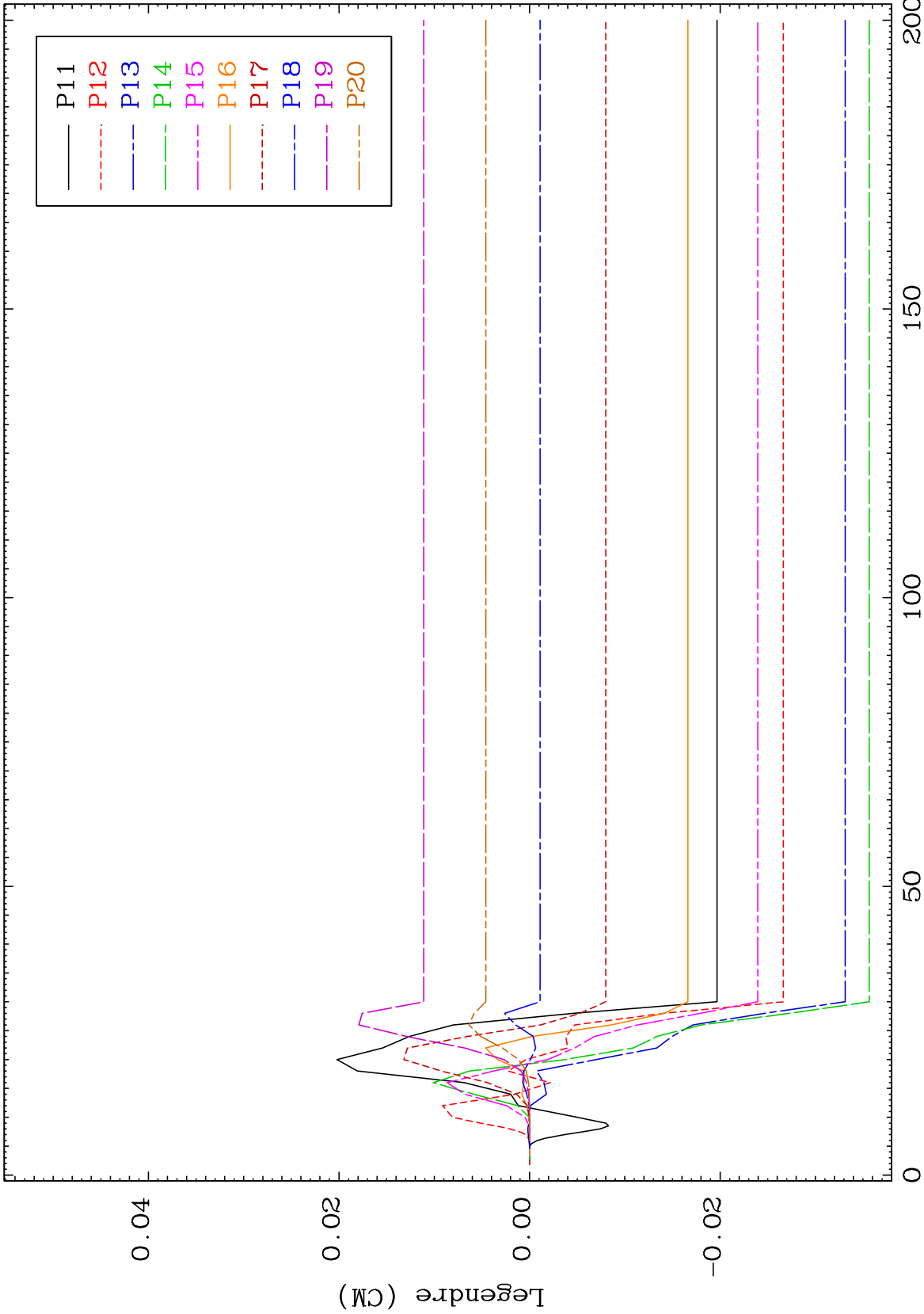
80-Hg-199



MAT 8034

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

80-Hg-199



96

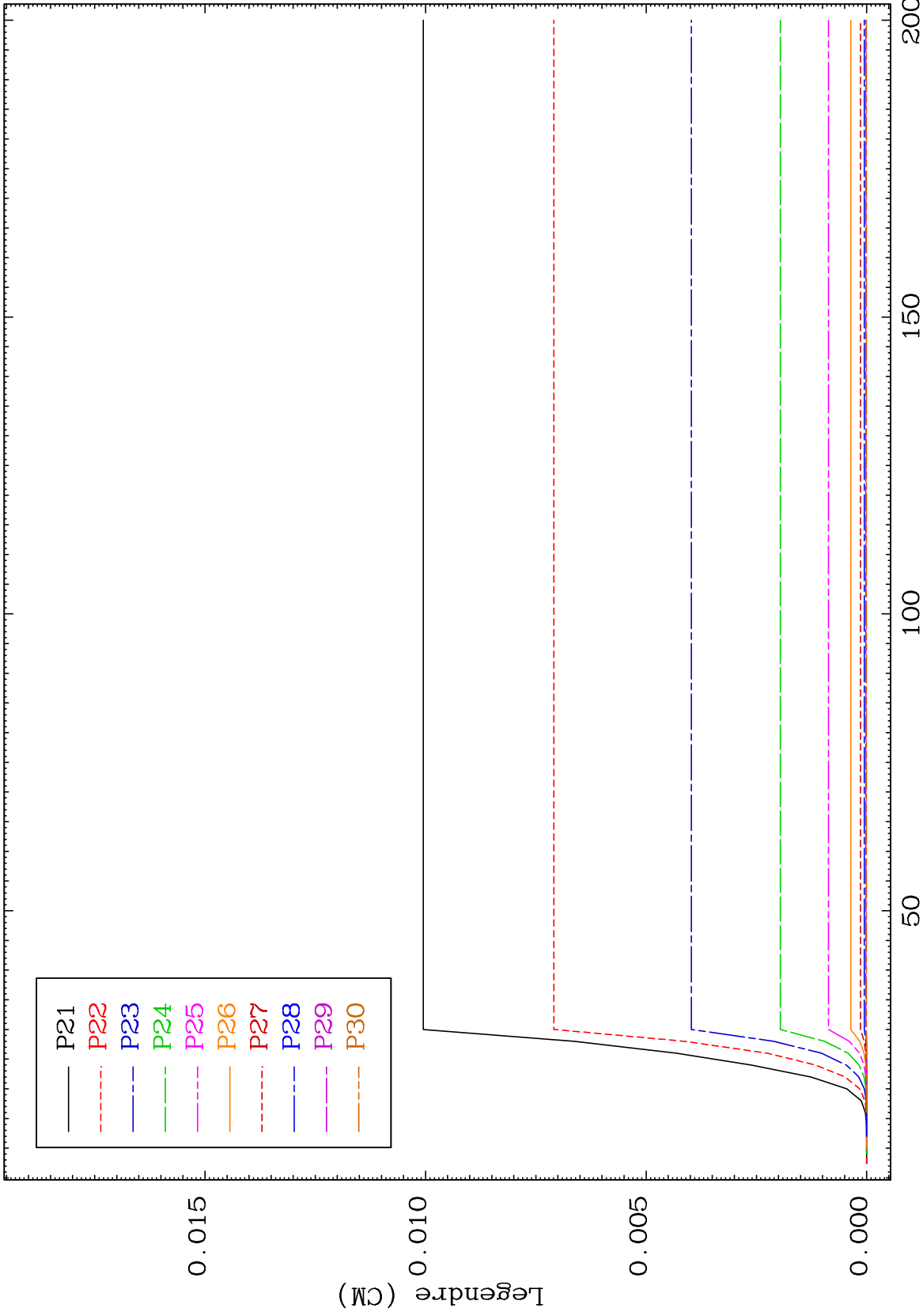
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



97

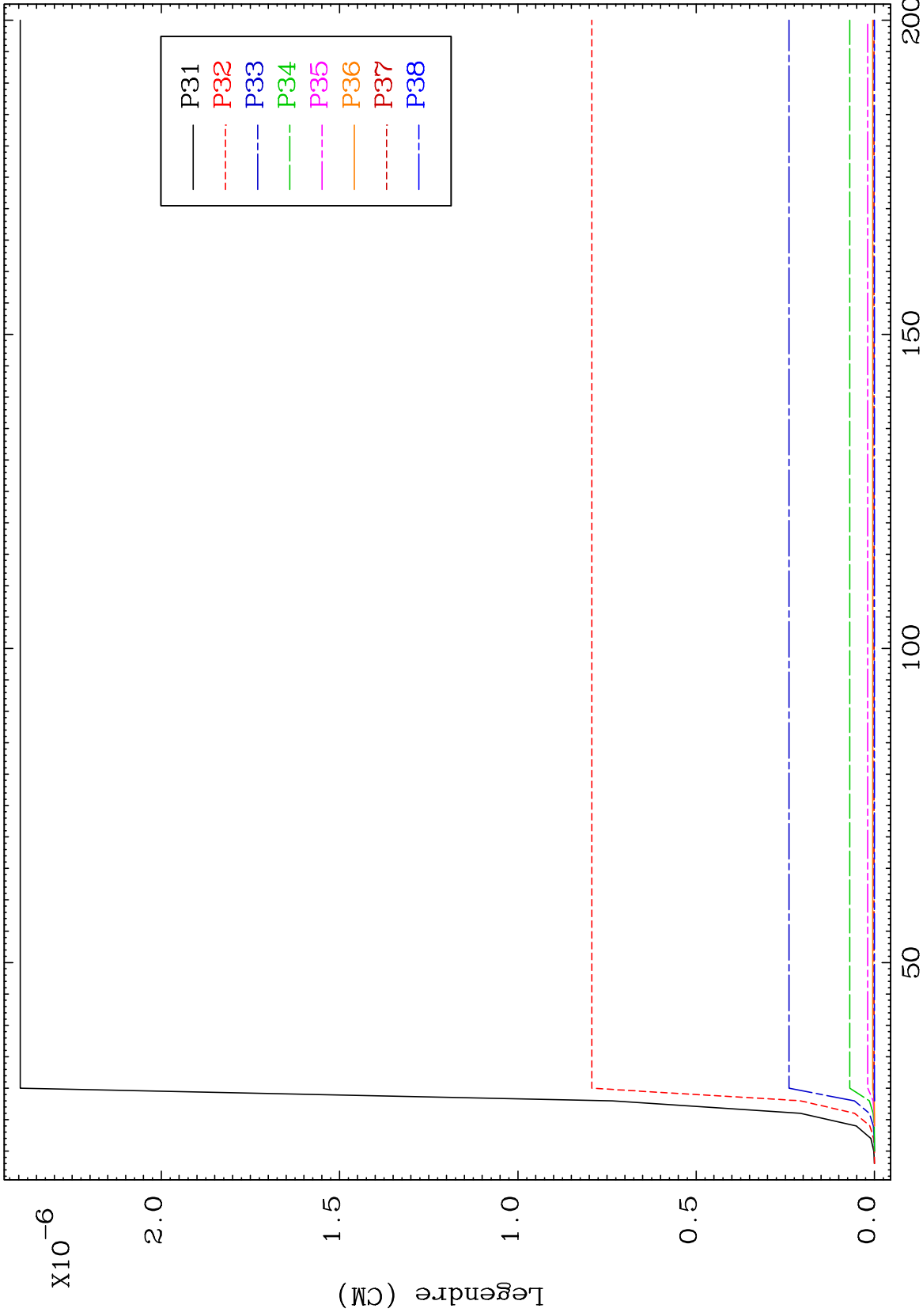
Incident Energy (MeV)

80-Hg-199

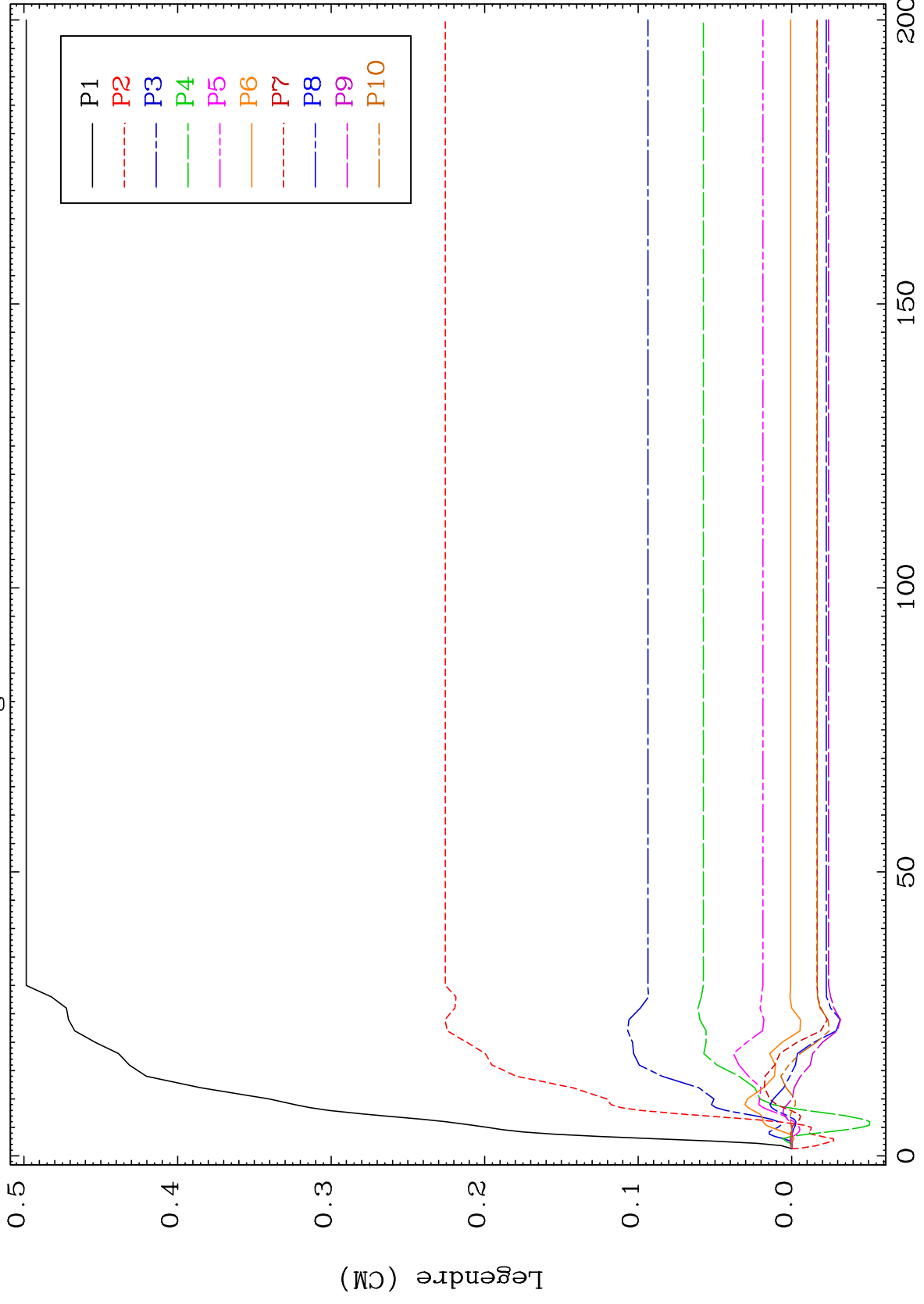
MAT 8034

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

80-Hg-199



MAT 8034 MT= 73 (n,n') Level Legendre Coefficients 80-Hg-199

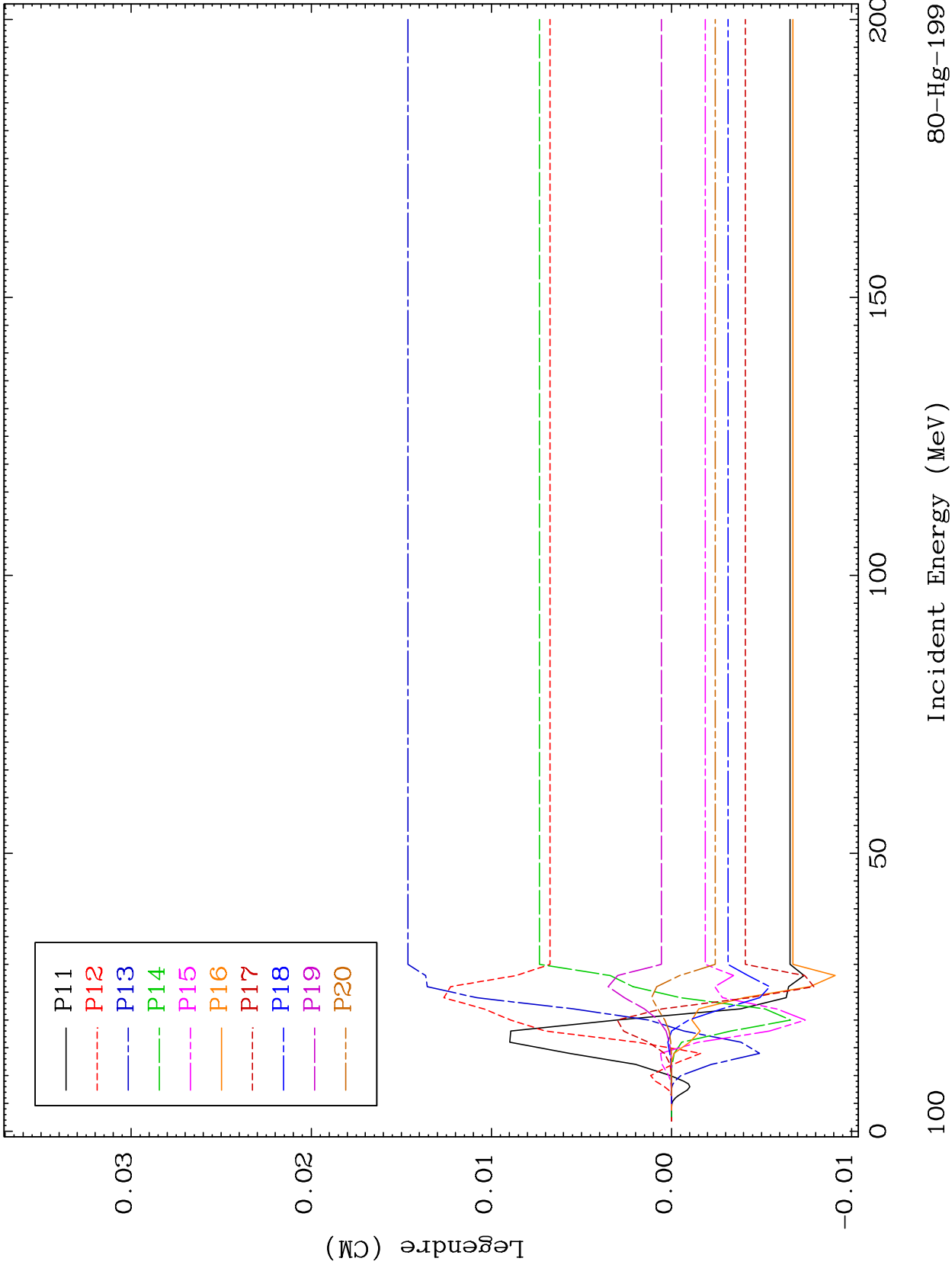


99 80-Hg-199

MAT 8034

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

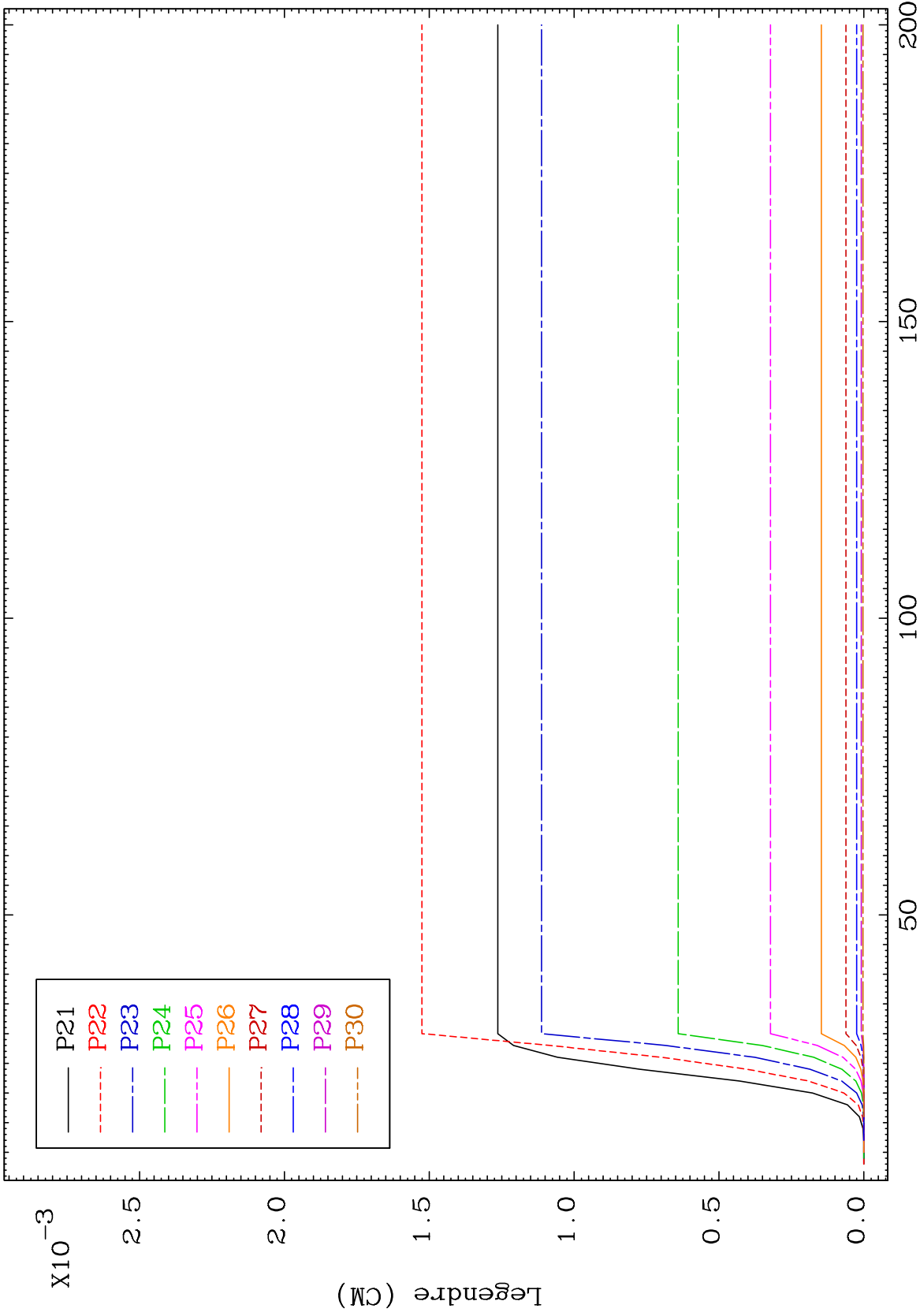
80-Hg-199



MAT 8034

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

80-Hg-199



101

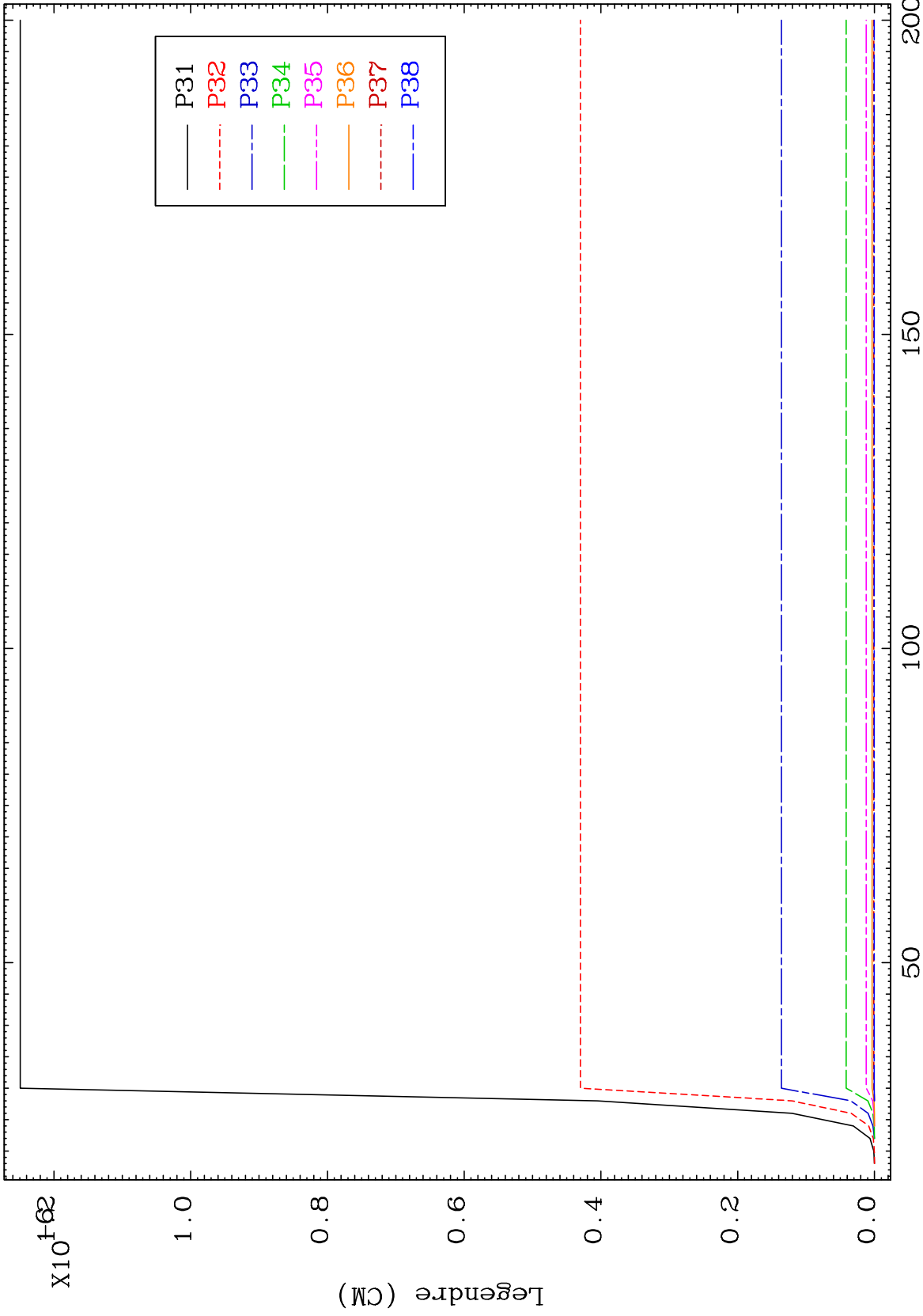
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



102

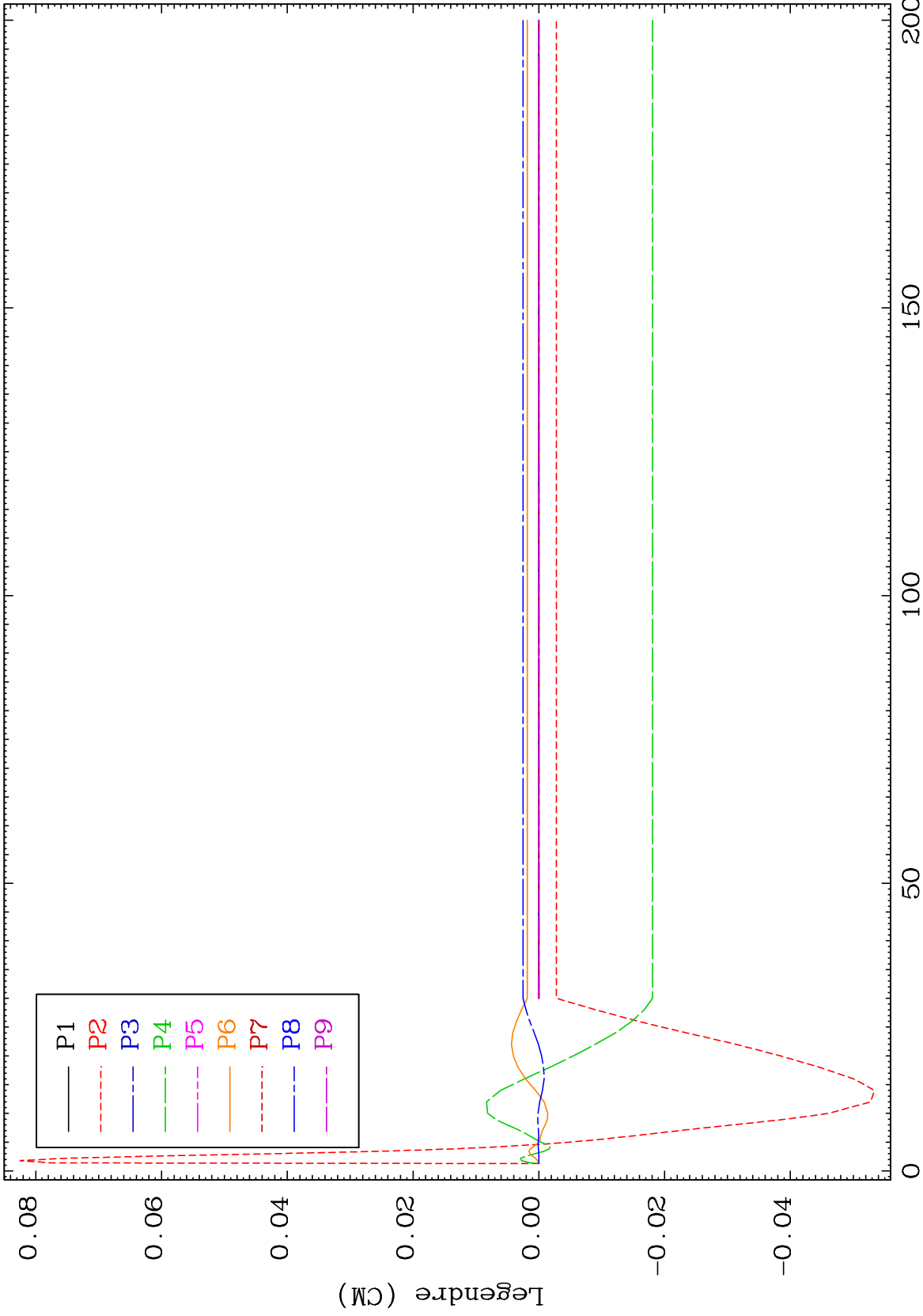
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



103

Incident Energy (MeV)

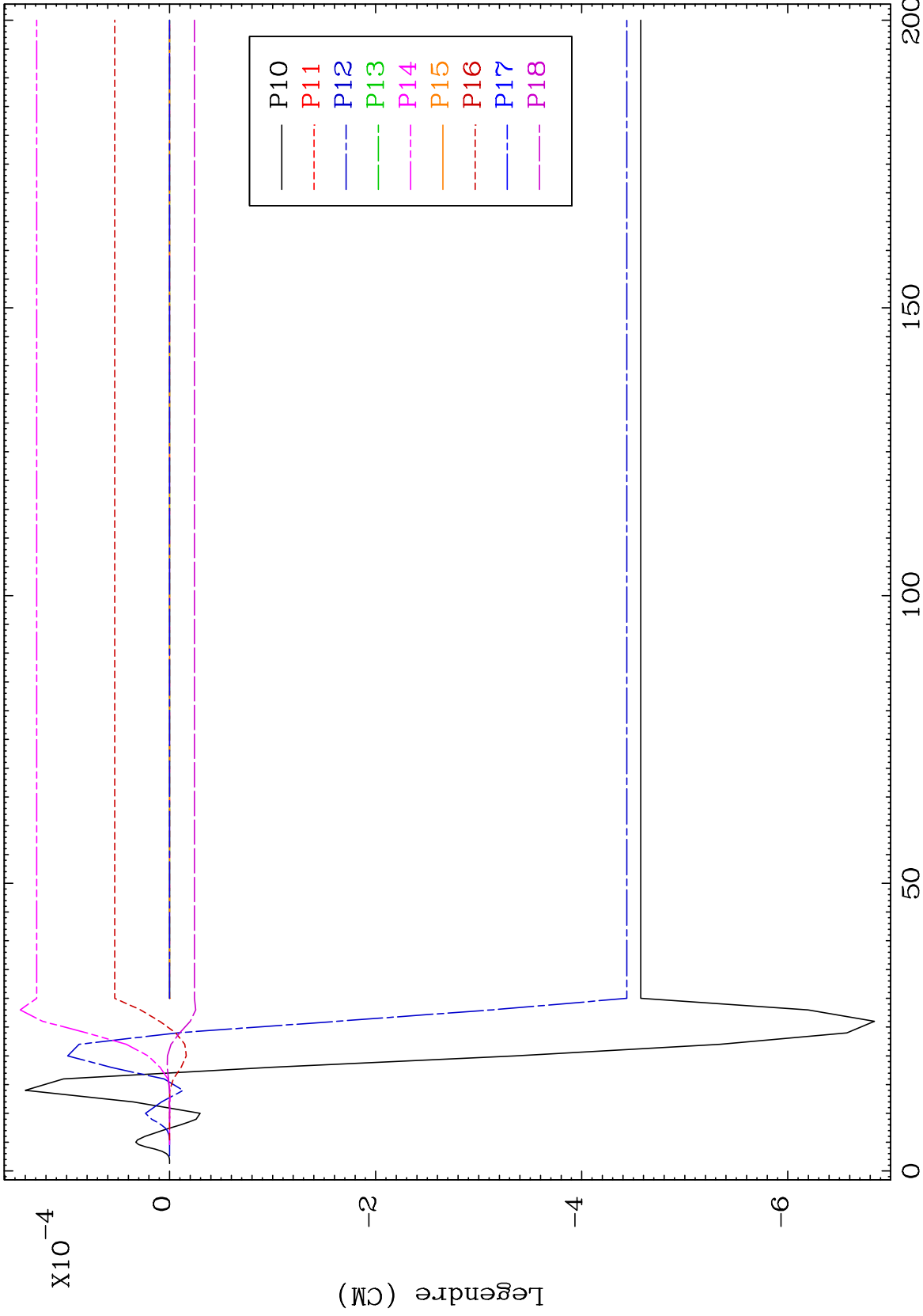
80-Hg-199



MAT 8034

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

80-Hg-199



104

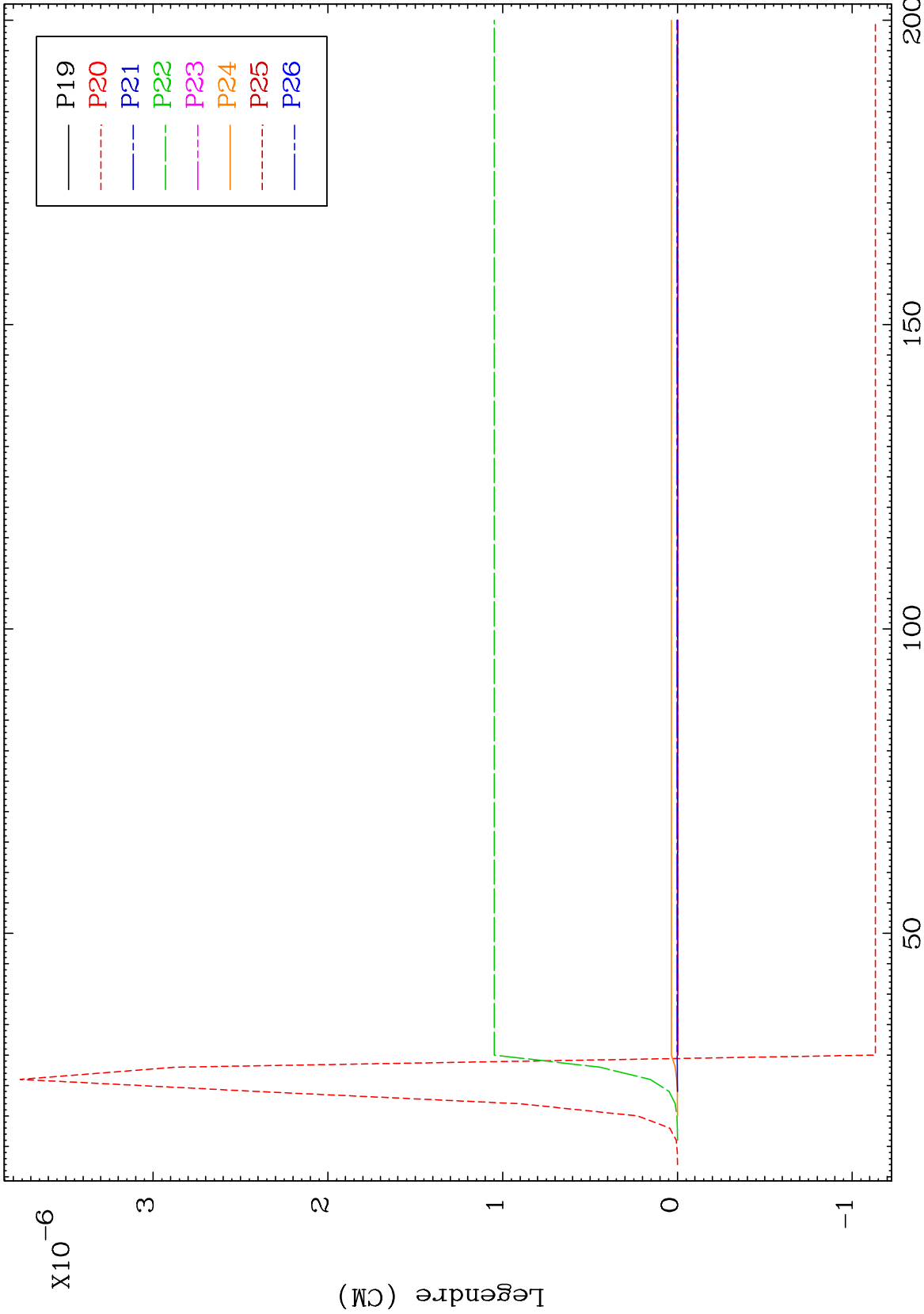
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



105

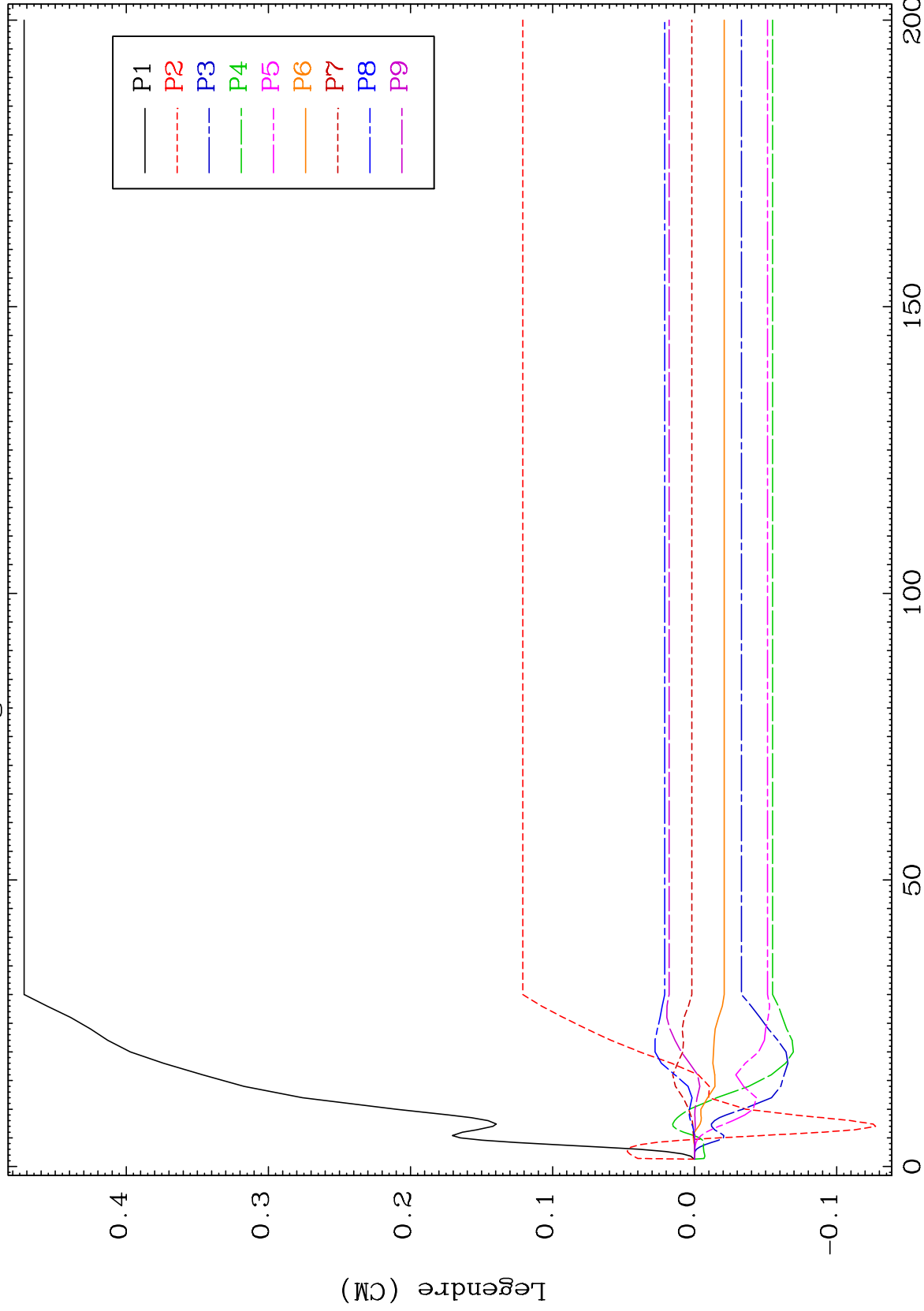
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199



80-Hg-199

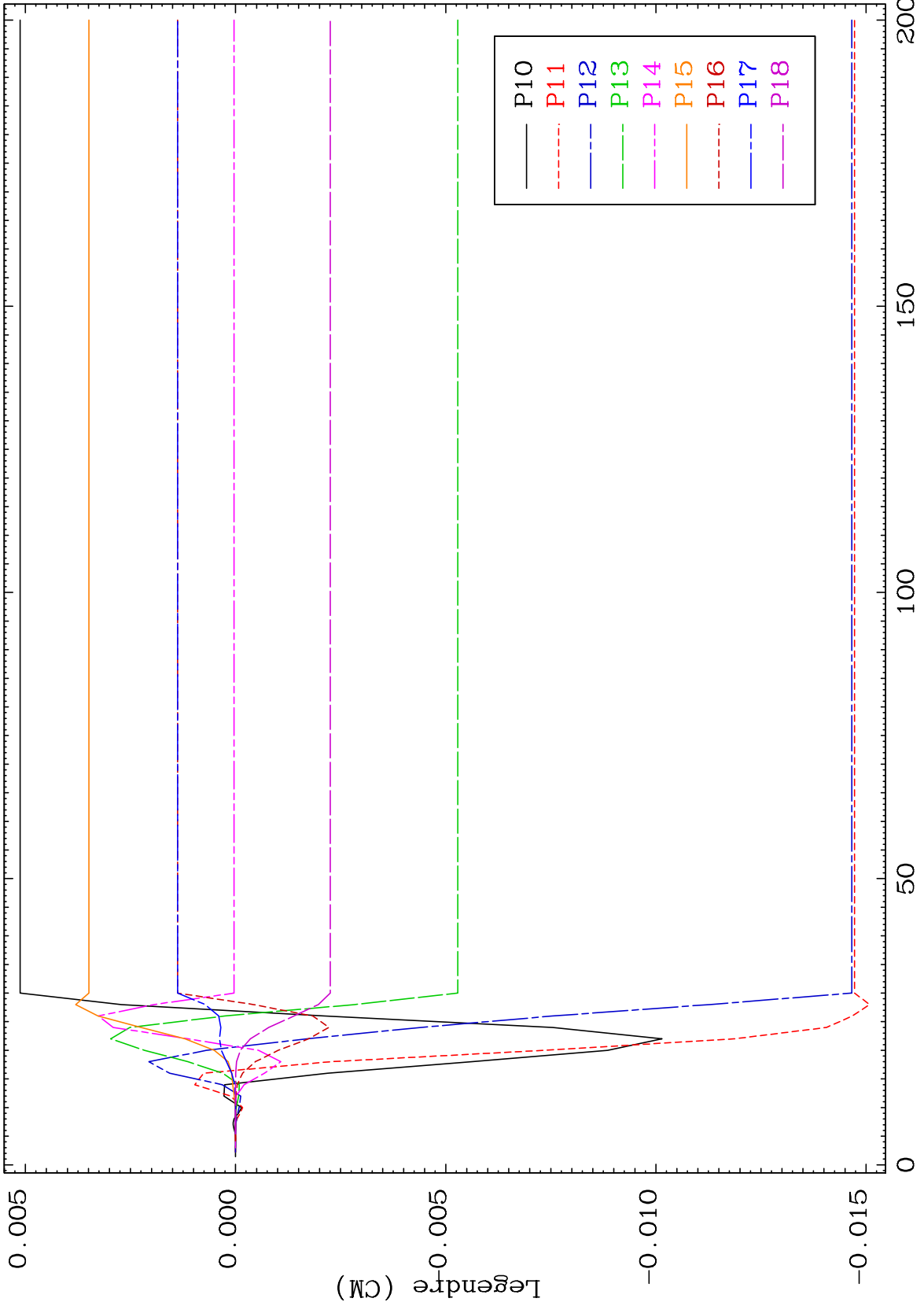
Incident Energy (MeV)

106

MAT 8034

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

80-Hg-199



107

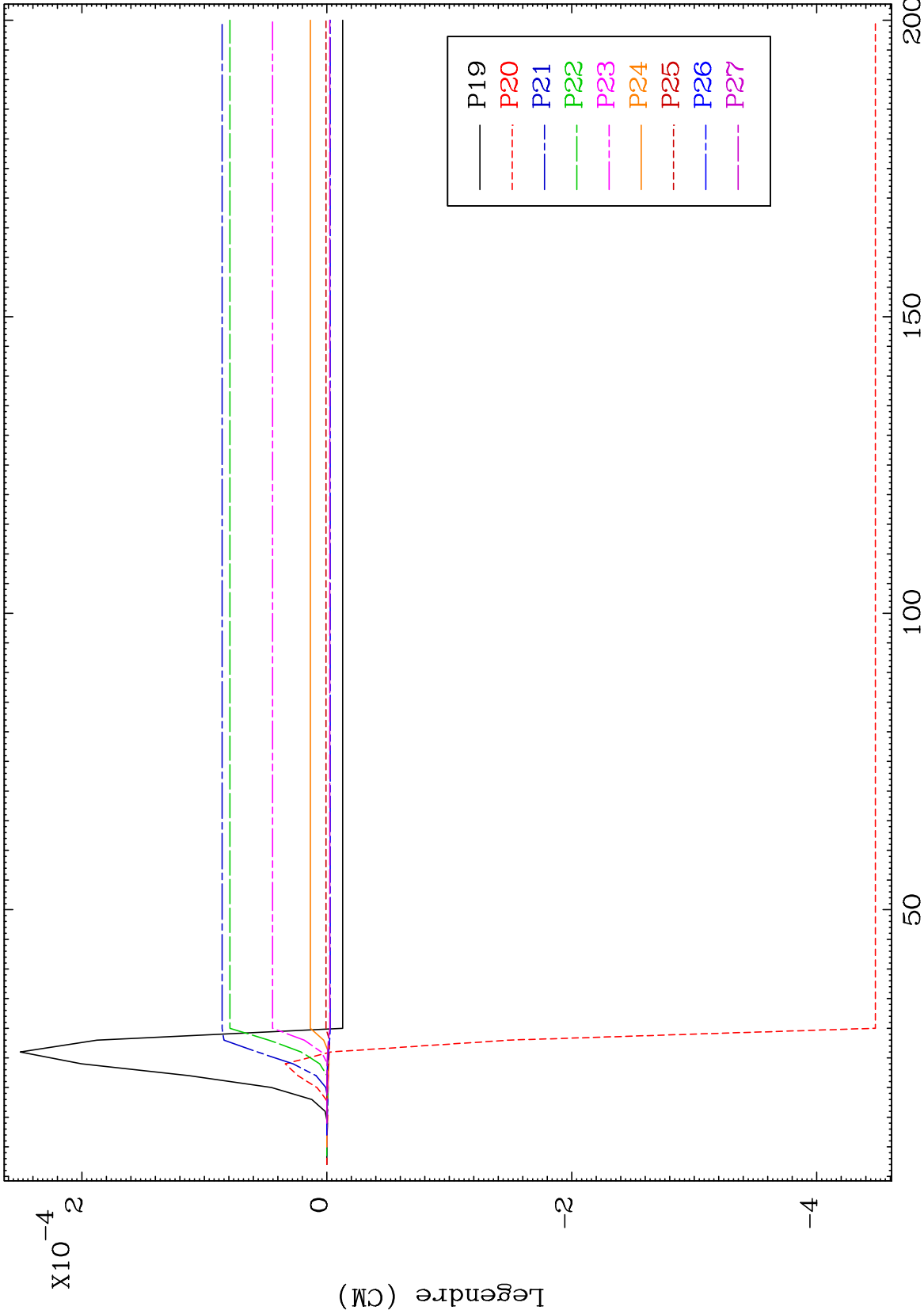
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199

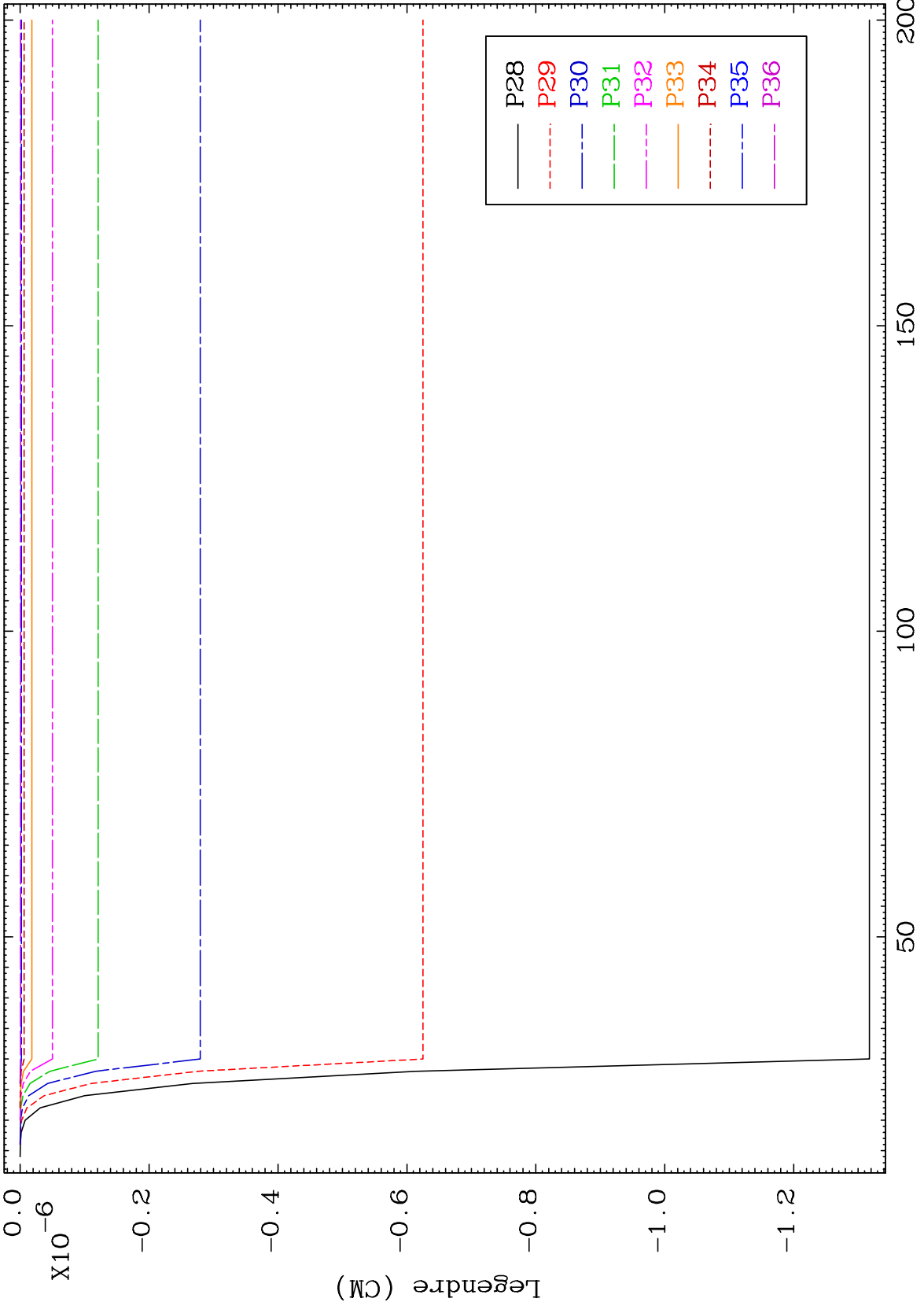


108

Incident Energy (MeV)

80-Hg-199

MAT 8034 MT= 75 (n,n') Level Legendre Coefficients 80-Hg-199

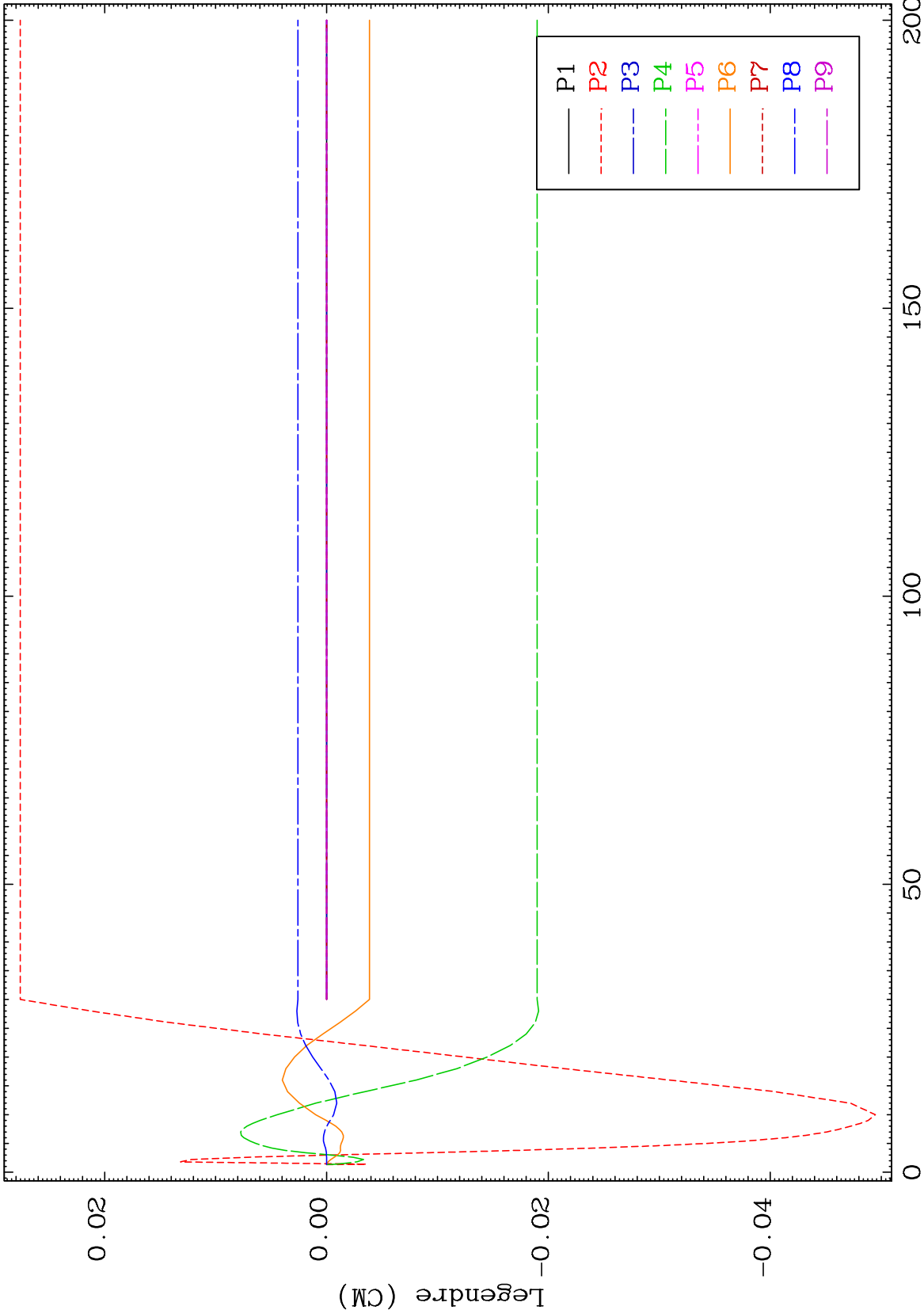


109 80-Hg-199

MAT 8034

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

80-Hg-199



80-Hg-199

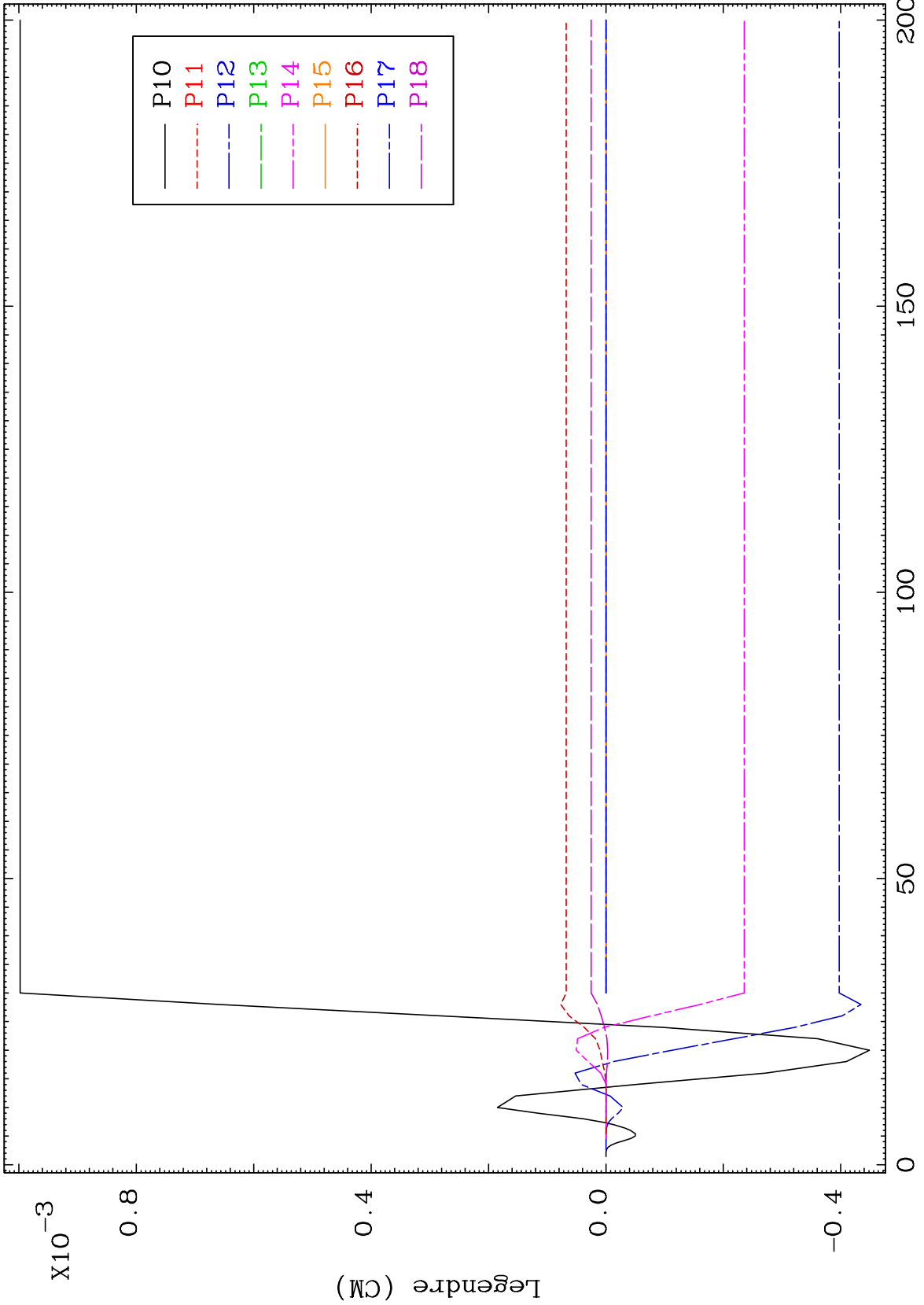
Incident Energy (MeV)

110

MAT 8034

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

80-Hg-199

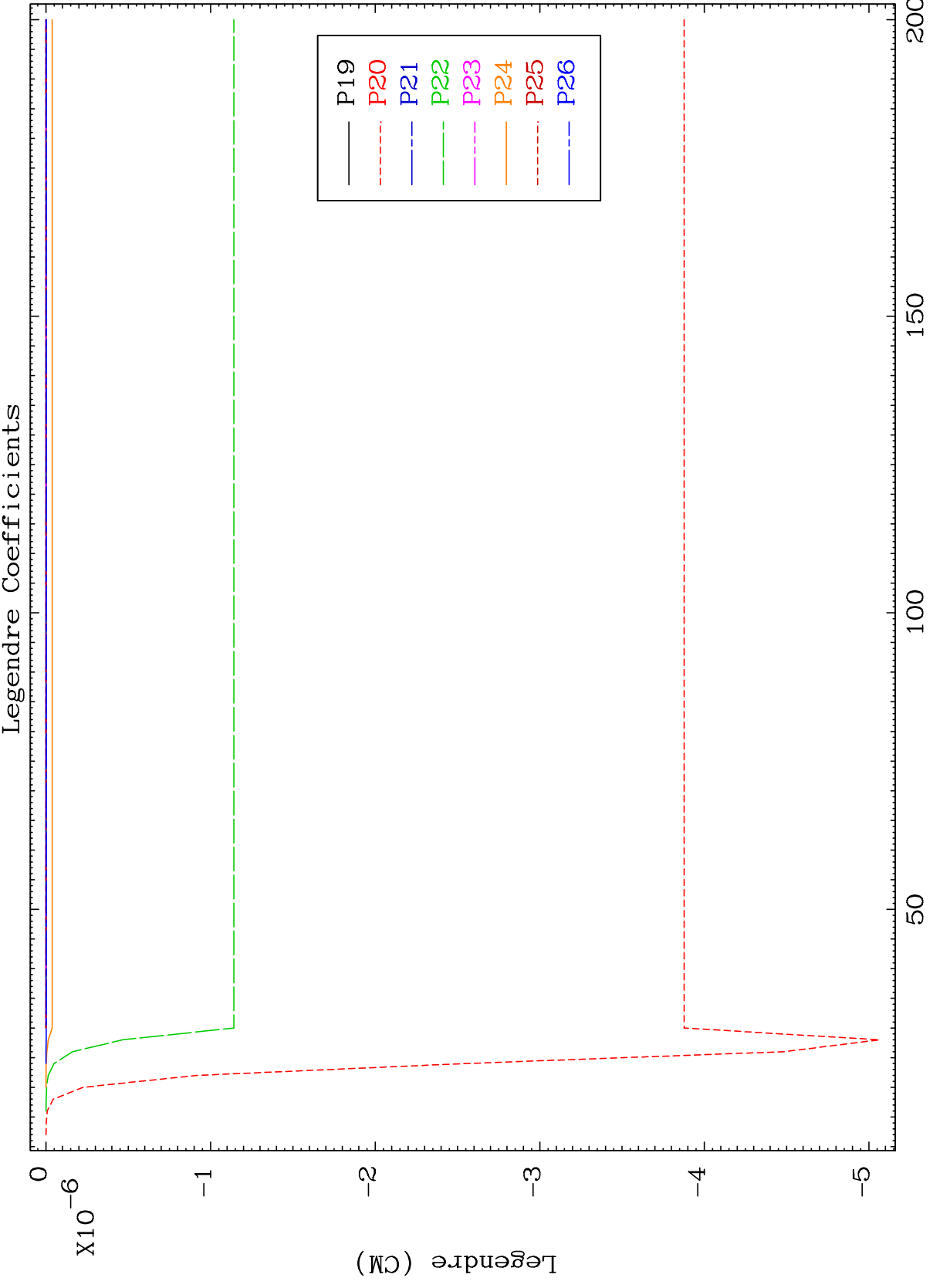


111

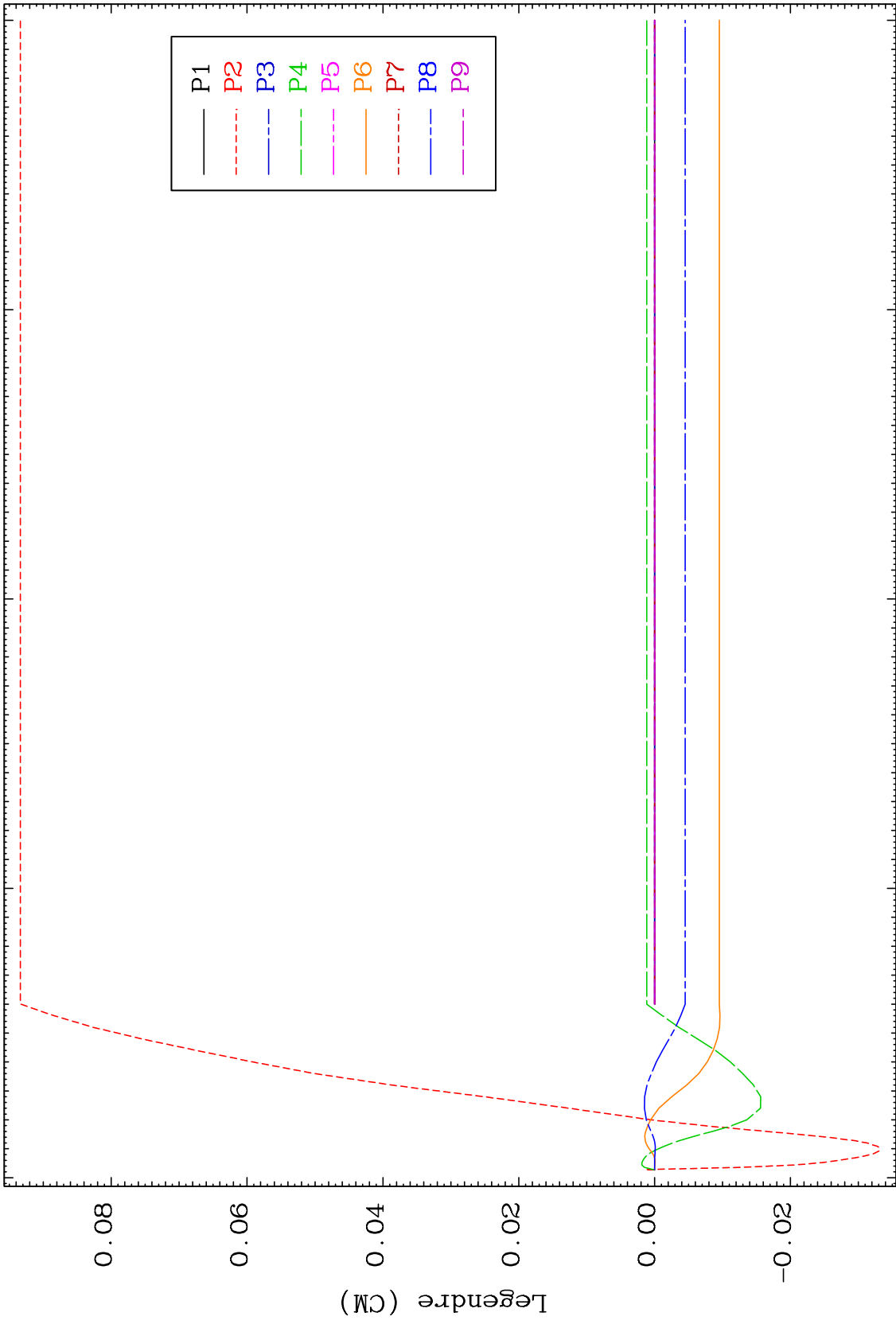
Incident Energy (MeV)

80-Hg-199





MAT 8034 MT= 77 (n,n') Level Legendre Coefficients 80-Hg-199

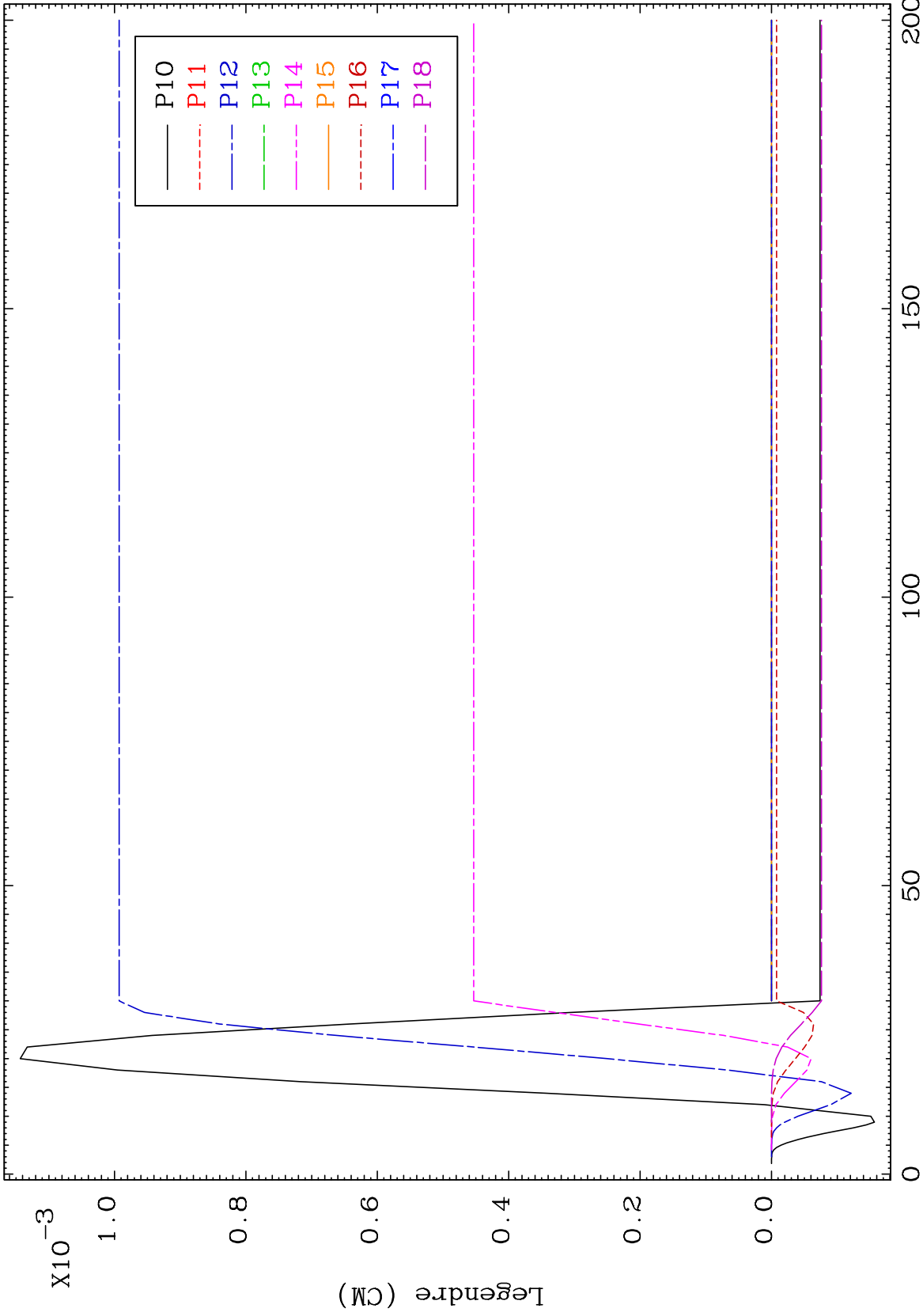


113 80-Hg-199

MAT 8034

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

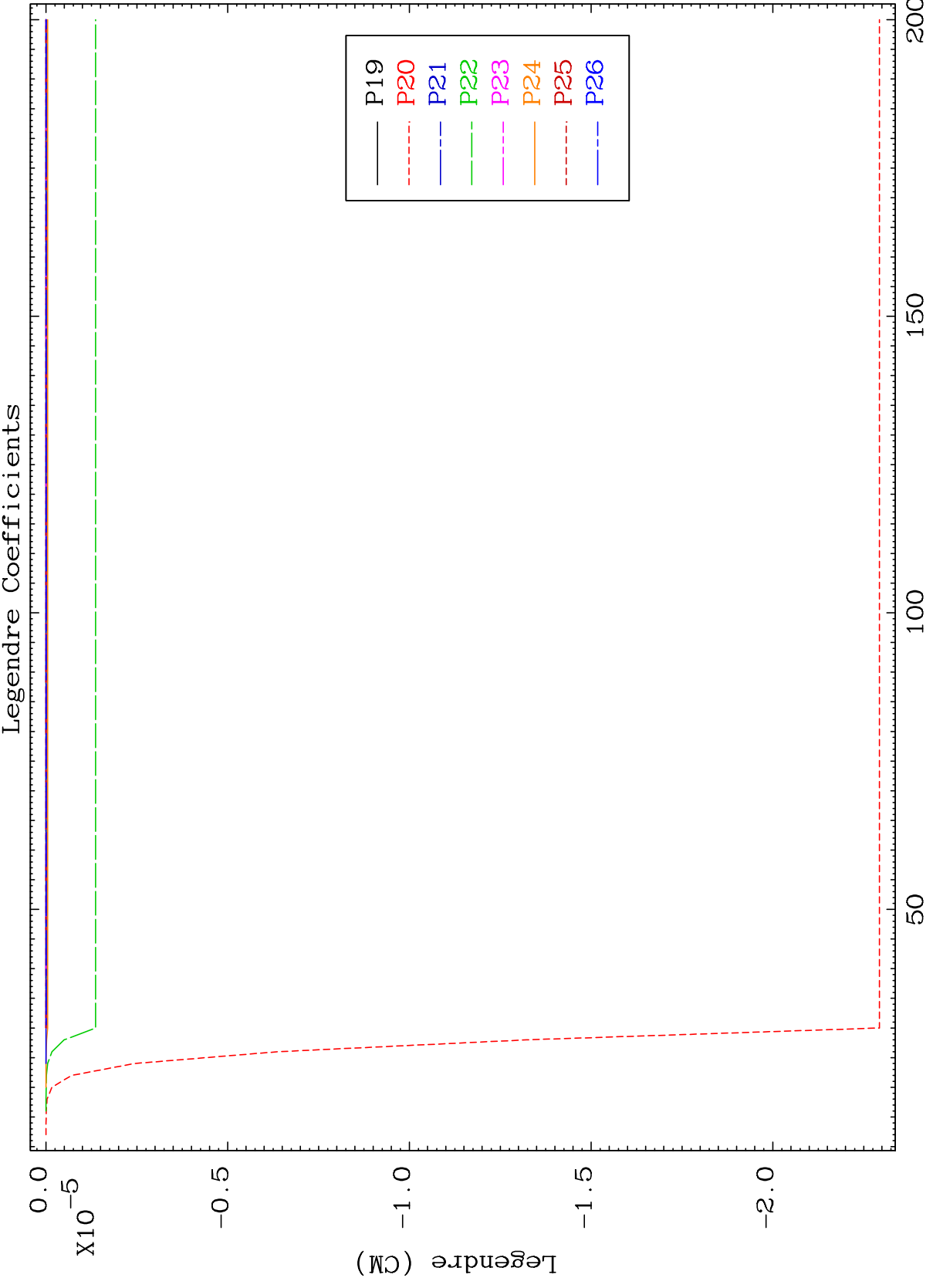
80-Hg-199



114

80-Hg-199

MAT 8034 MT= 77 (n,n') Level Legendre Coefficients 80-Hg-199

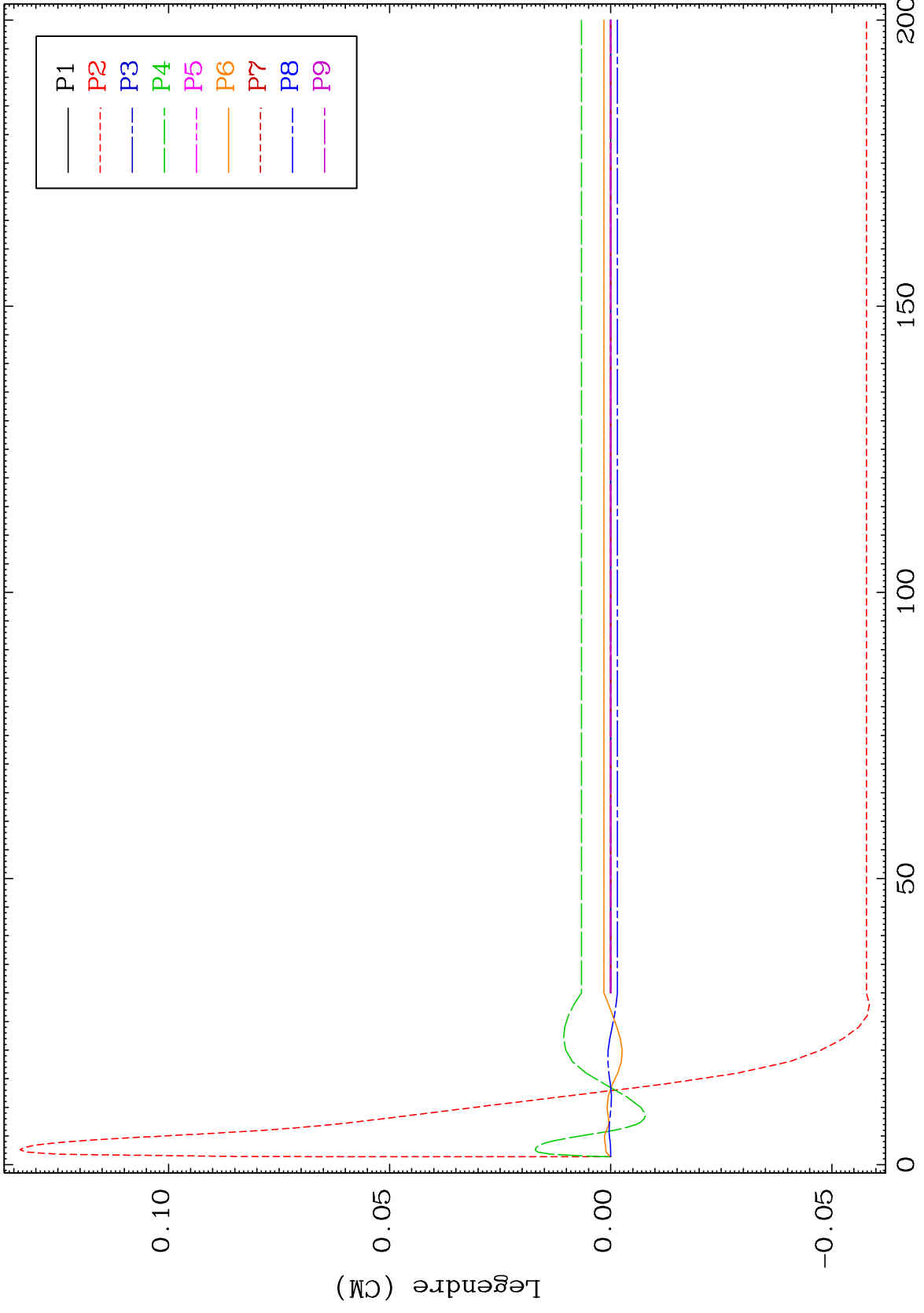


115 80-Hg-199

MAT 8034

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

80-Hg-199



116

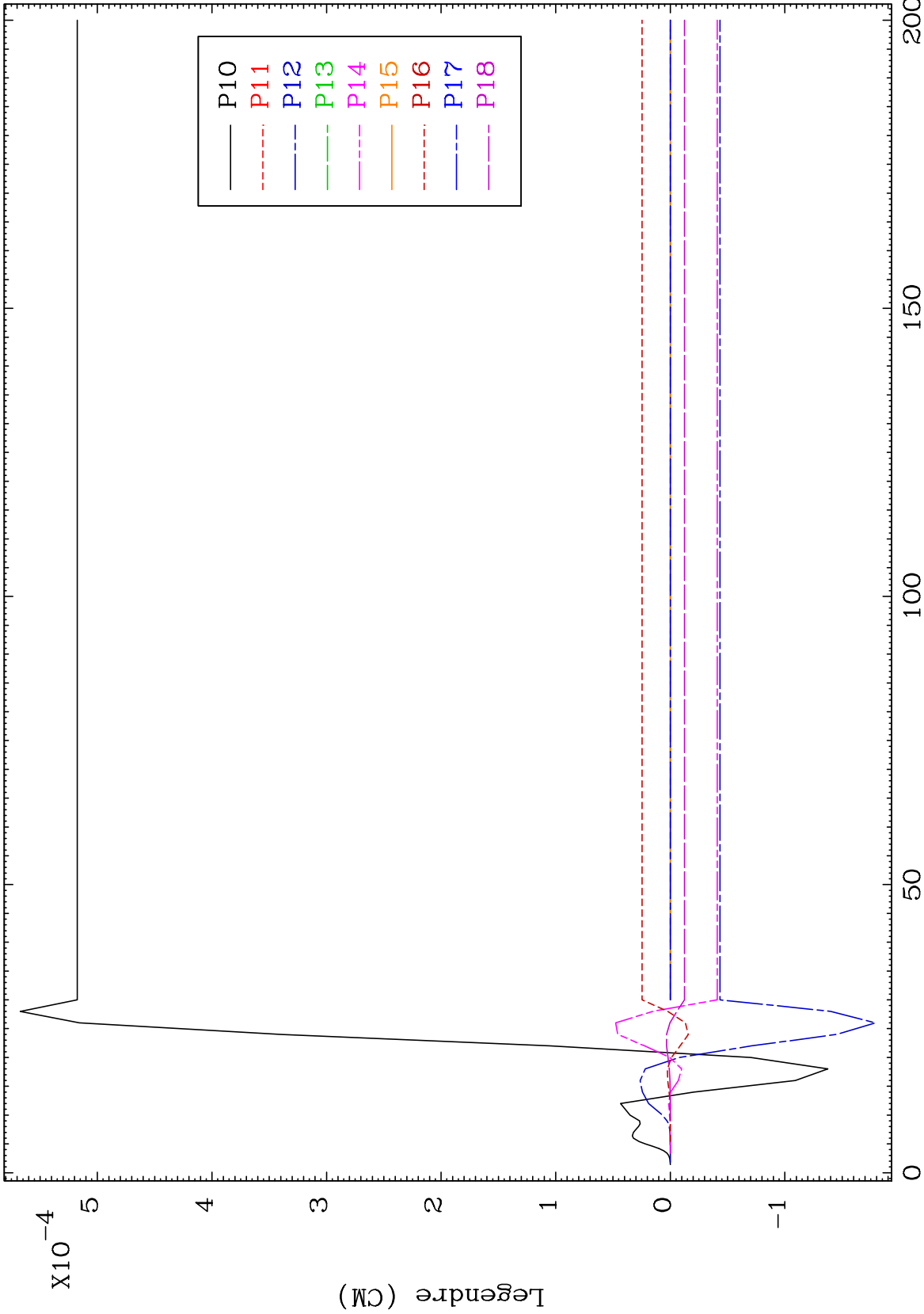
Incident Energy (MeV)

80-Hg-199

MAT 8034

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

80-Hg-199

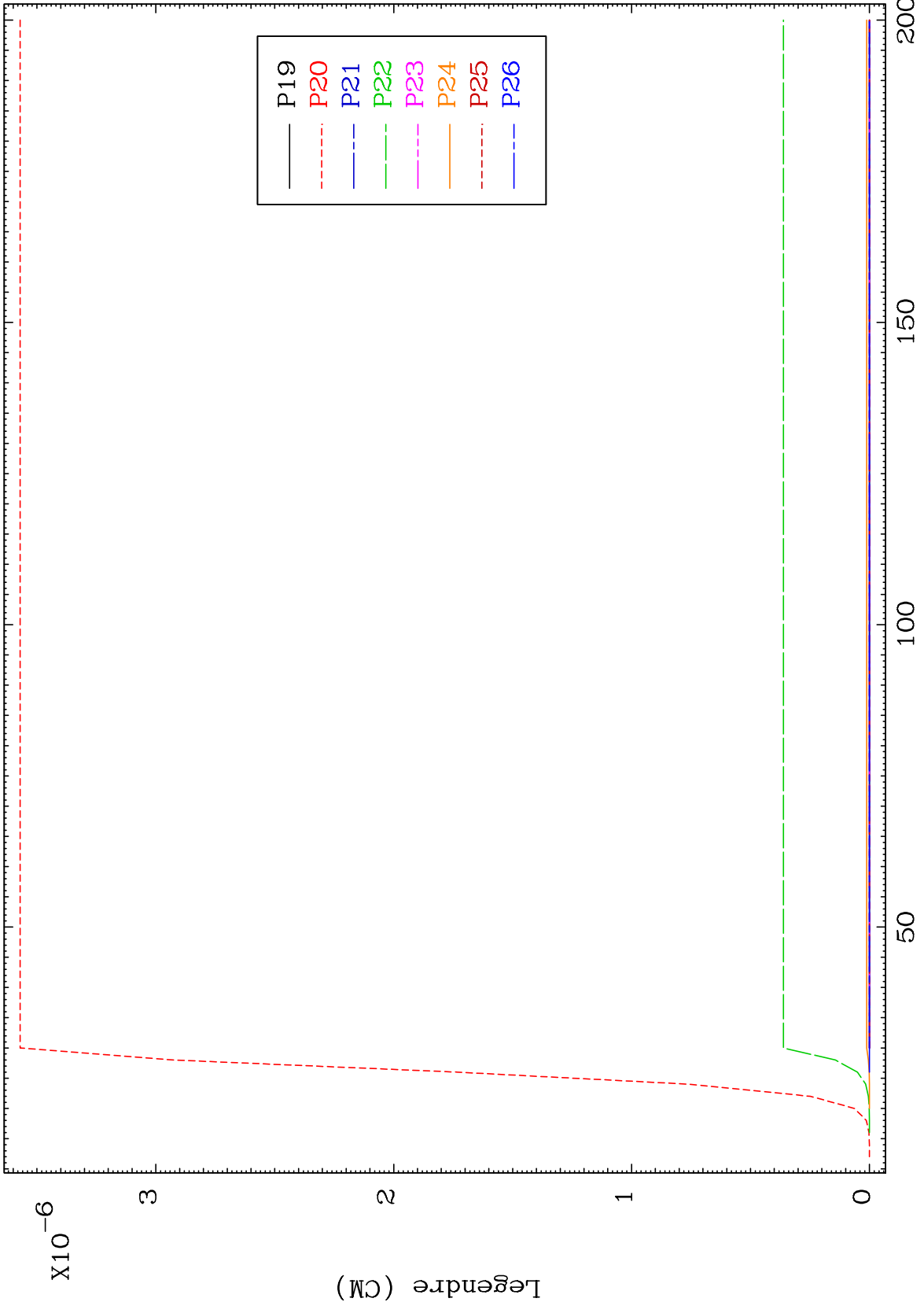


117

Incident Energy (MeV)

80-Hg-199

MAT 8034 MT= 78 (n,n') Level Legendre Coefficients 80-Hg-199

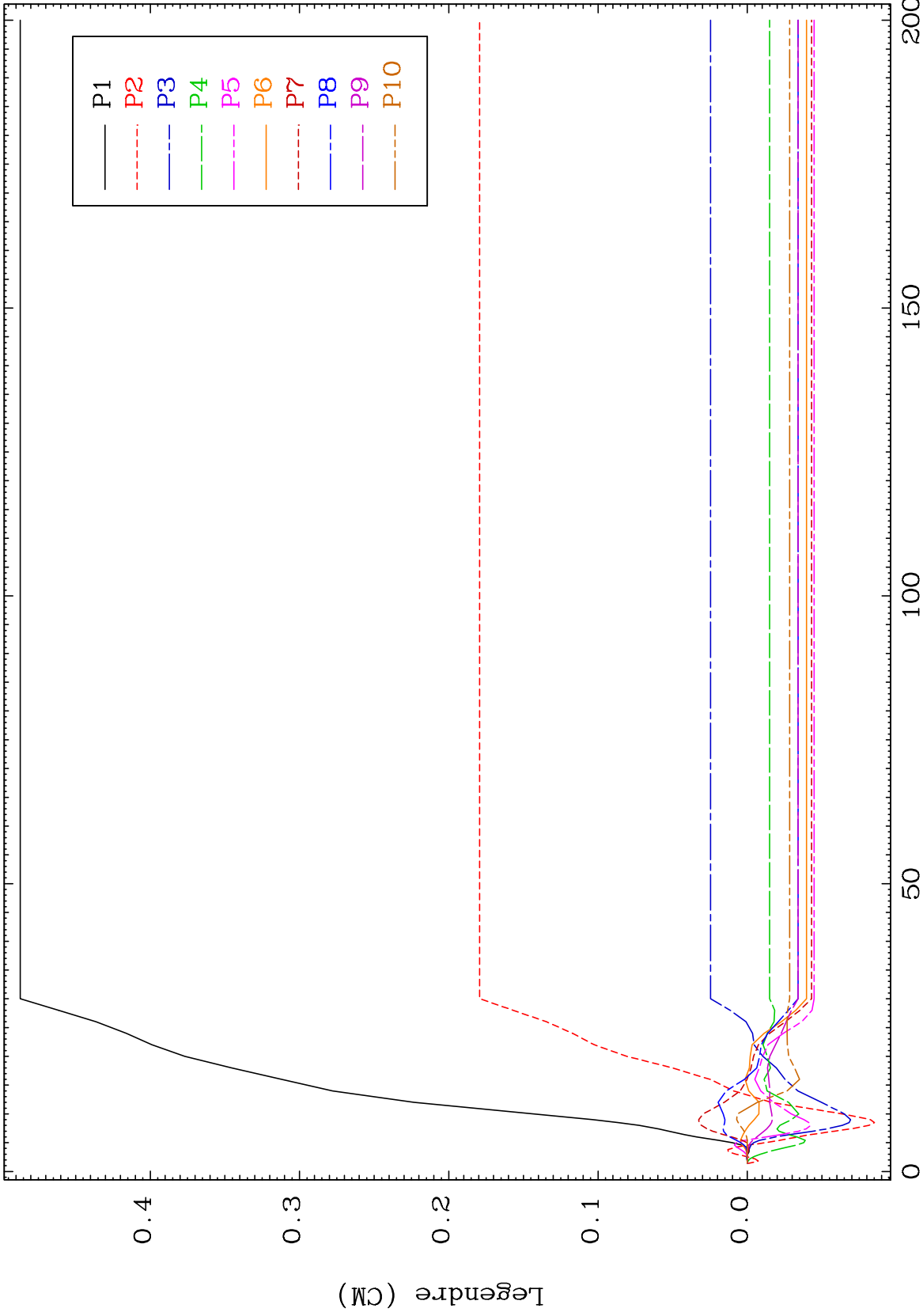


118 Incident Energy (MeV) 80-Hg-199

MAT 8034

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

80-Hg-199



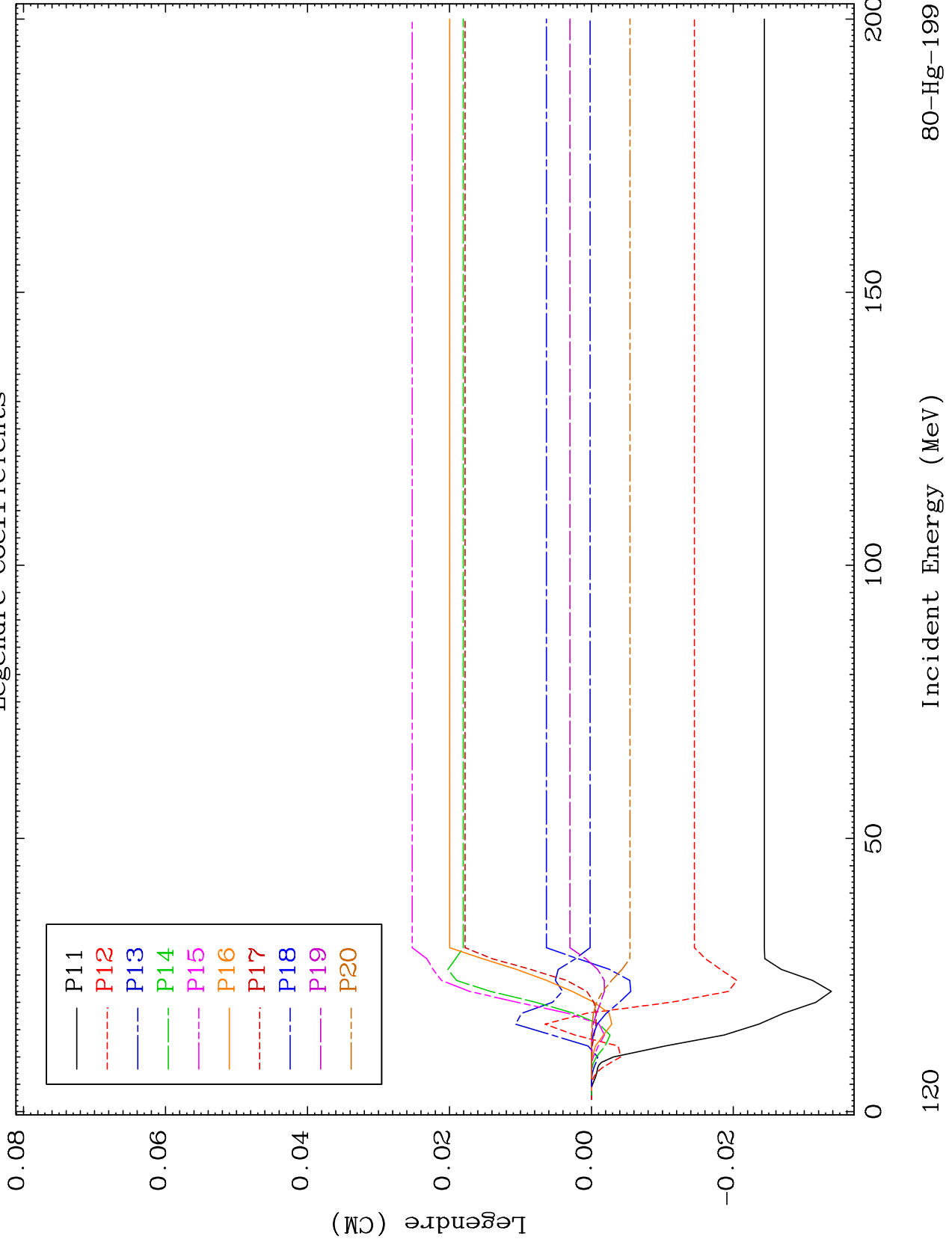
80-Hg-199

Incident Energy (MeV)

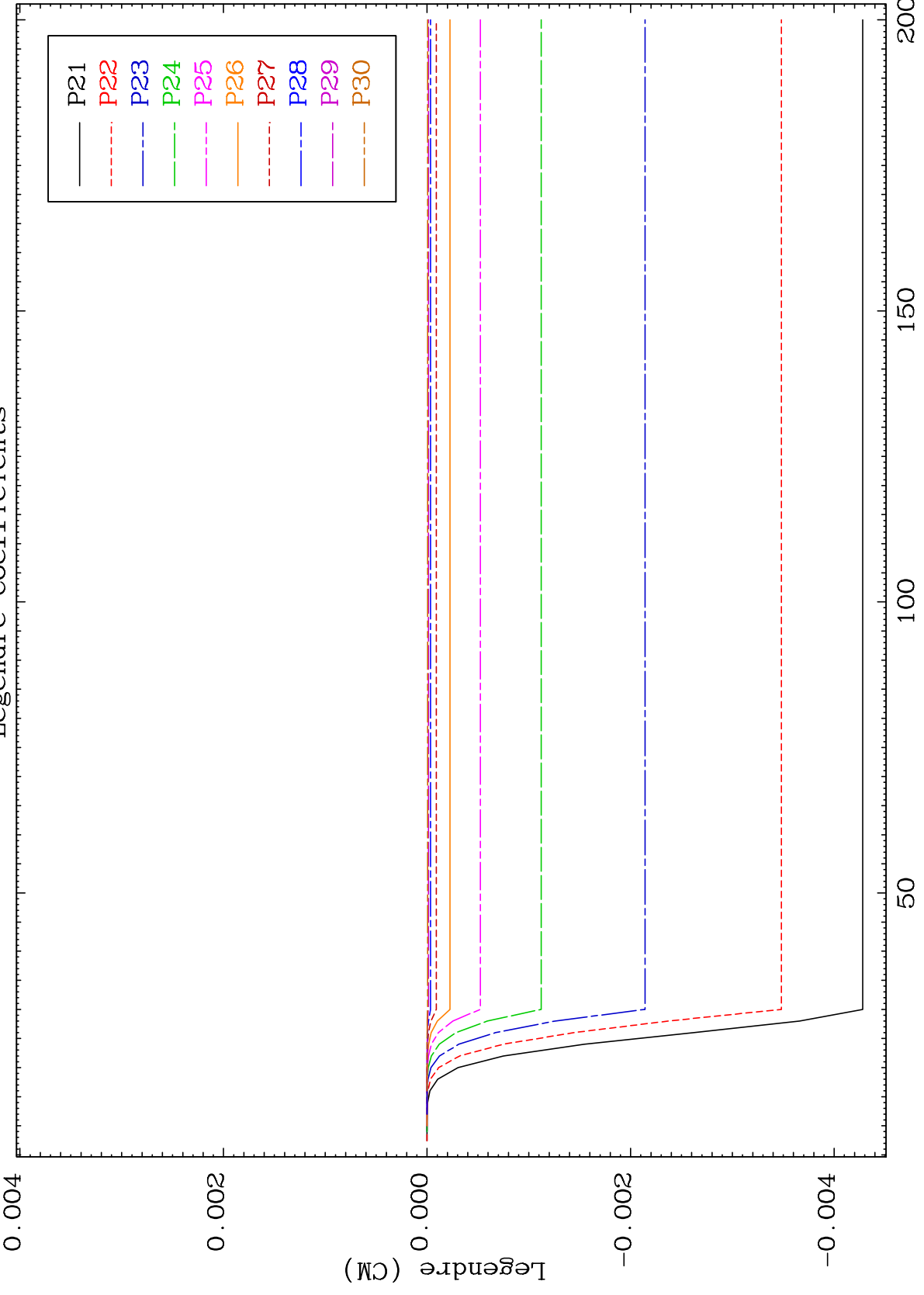
119



MAT 8034 MT= 79 (n,n') Level Legendre Coefficients 80-Hg-199



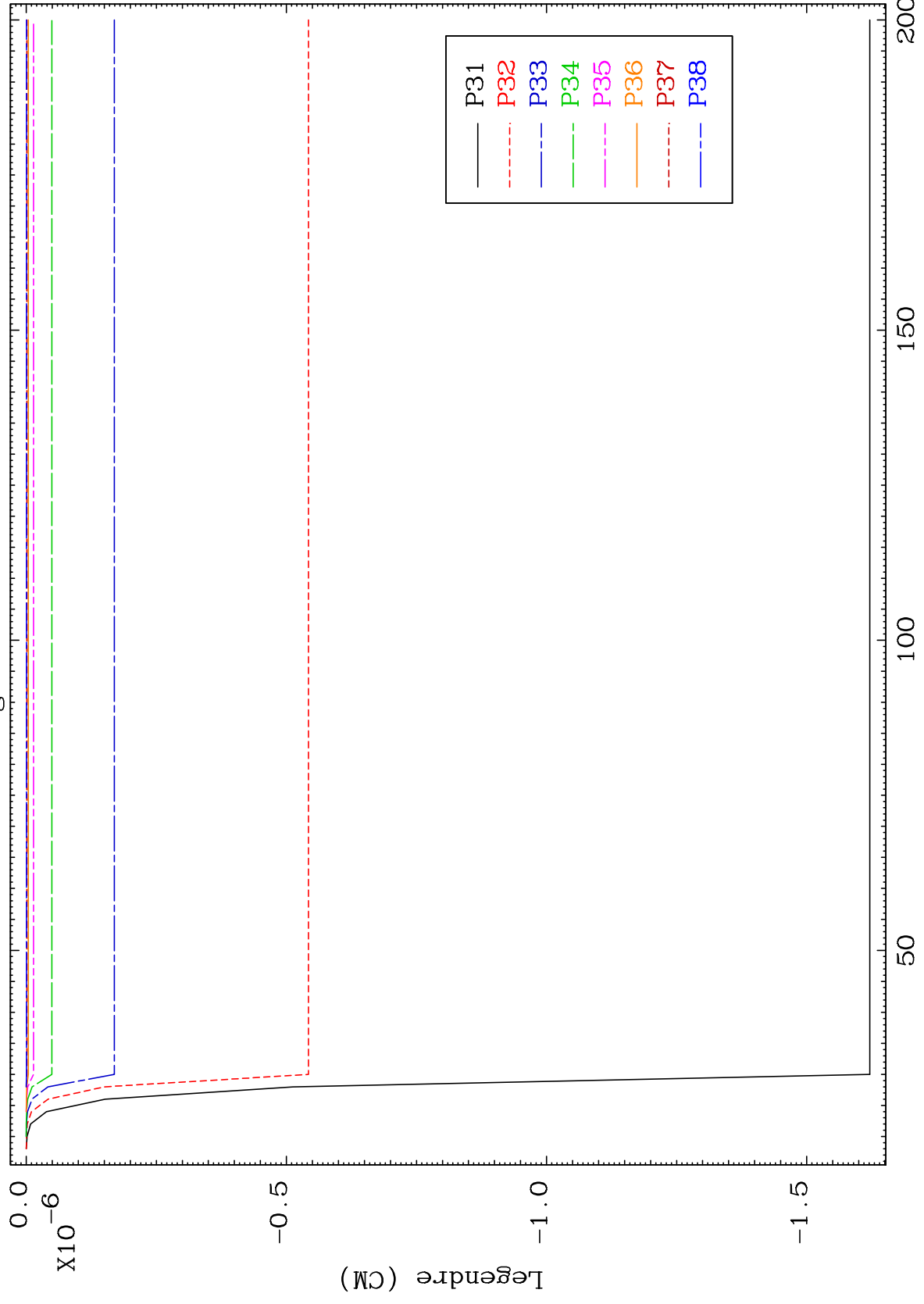
MAT 8034 MT= 79 (n,n') Level Legendre Coefficients 80-Hg-199



MAT 8034

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

80-Hg-199

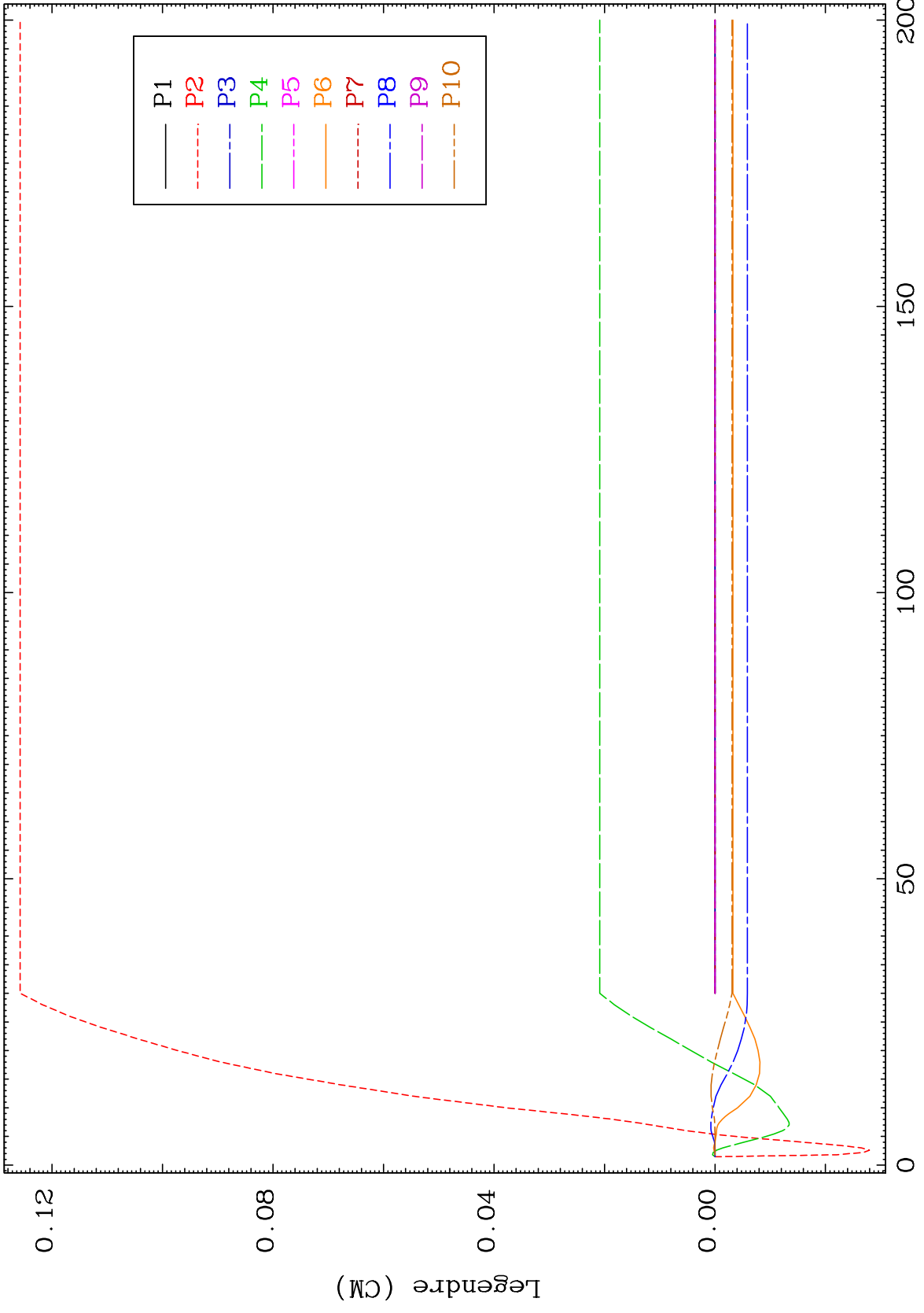


80-Hg-199

Incident Energy (MeV)

122

MAT 8034 MT= 80 (n, n') Level Legendre Coefficients 80-Hg-199

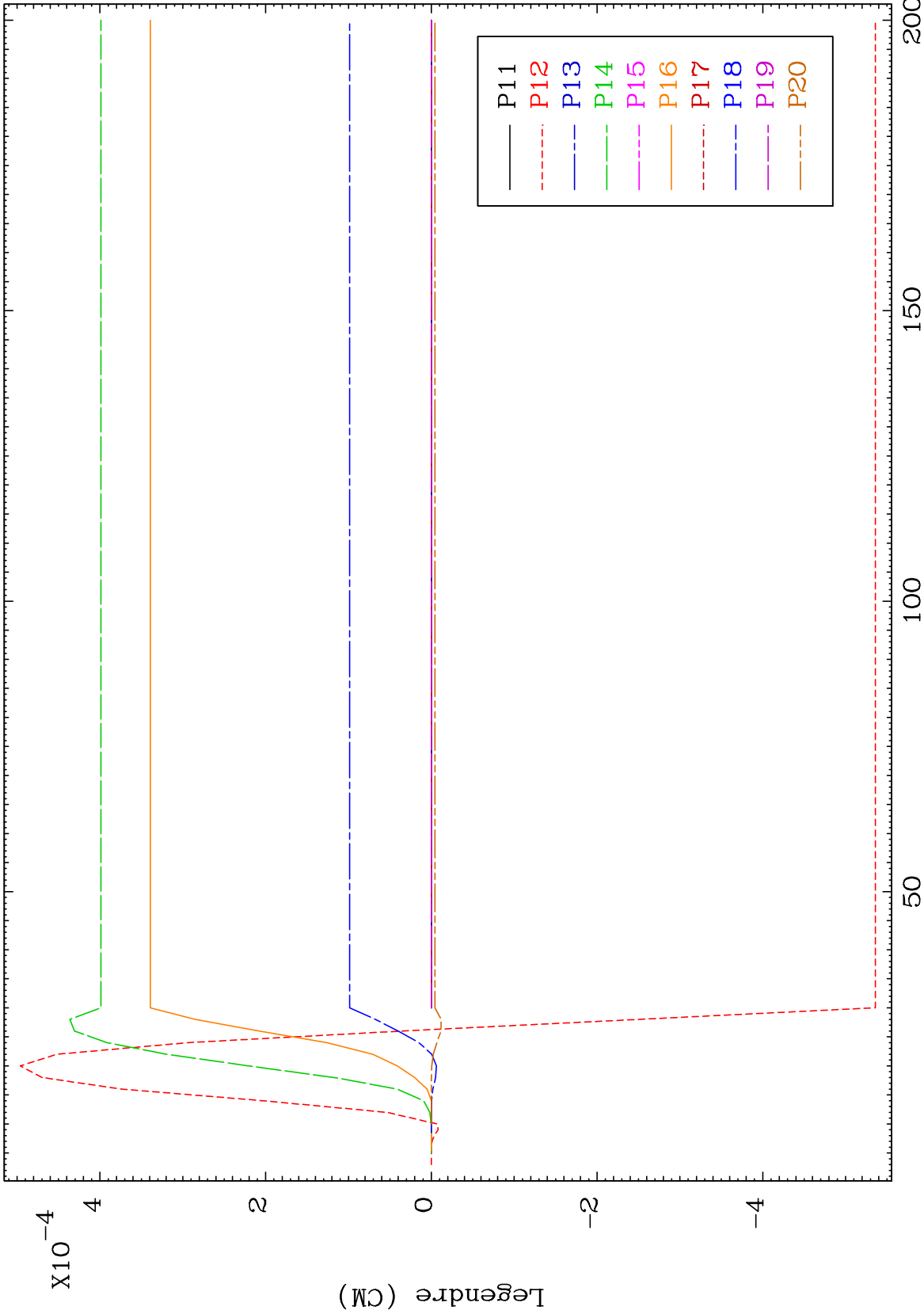


123 80-Hg-199

MAT 8034

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

80-Hg-199

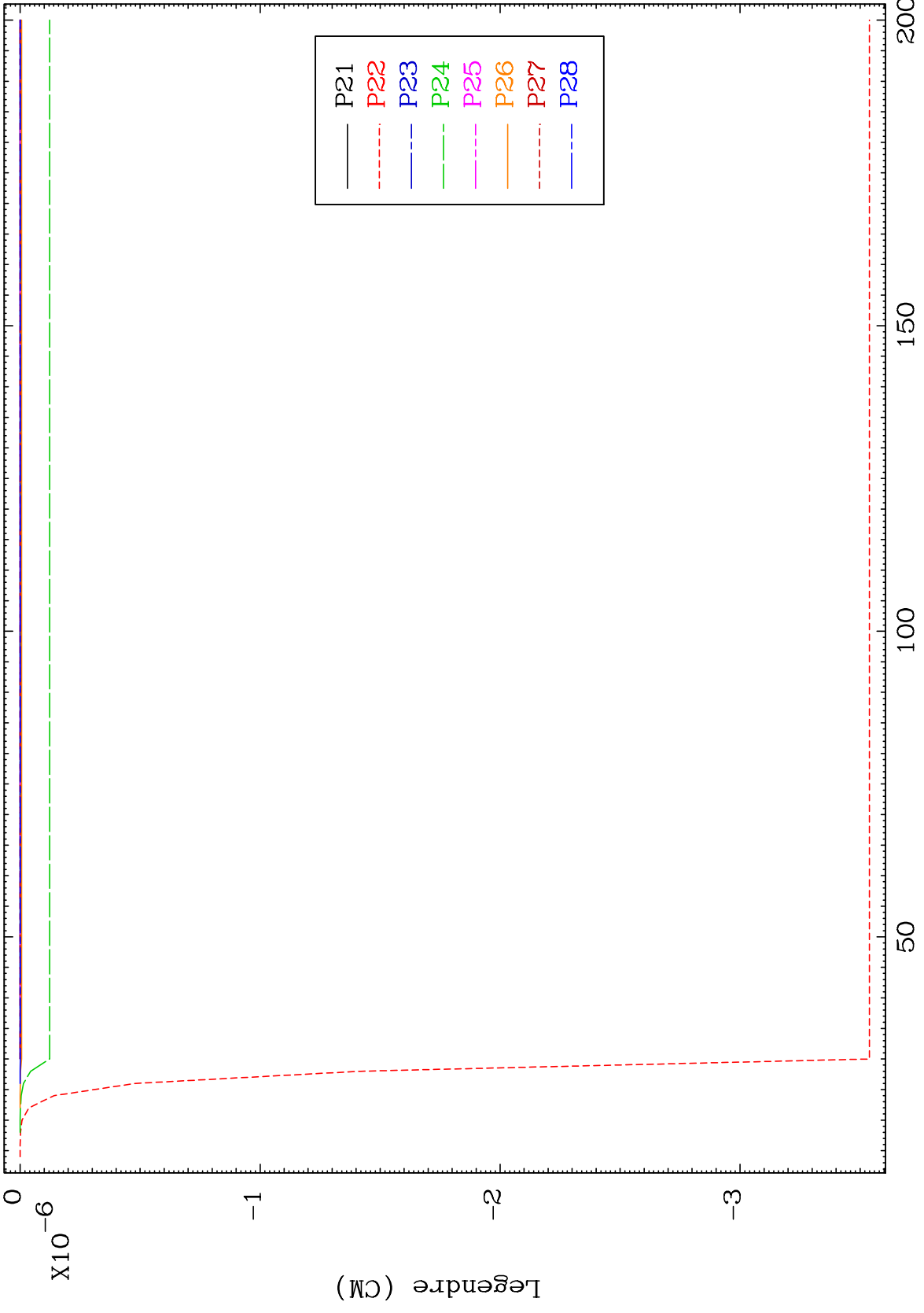


124

Incident Energy (MeV)

80-Hg-199

MAT 8034 MT= 80 (n, n') Level Legendre Coefficients 80-Hg-199

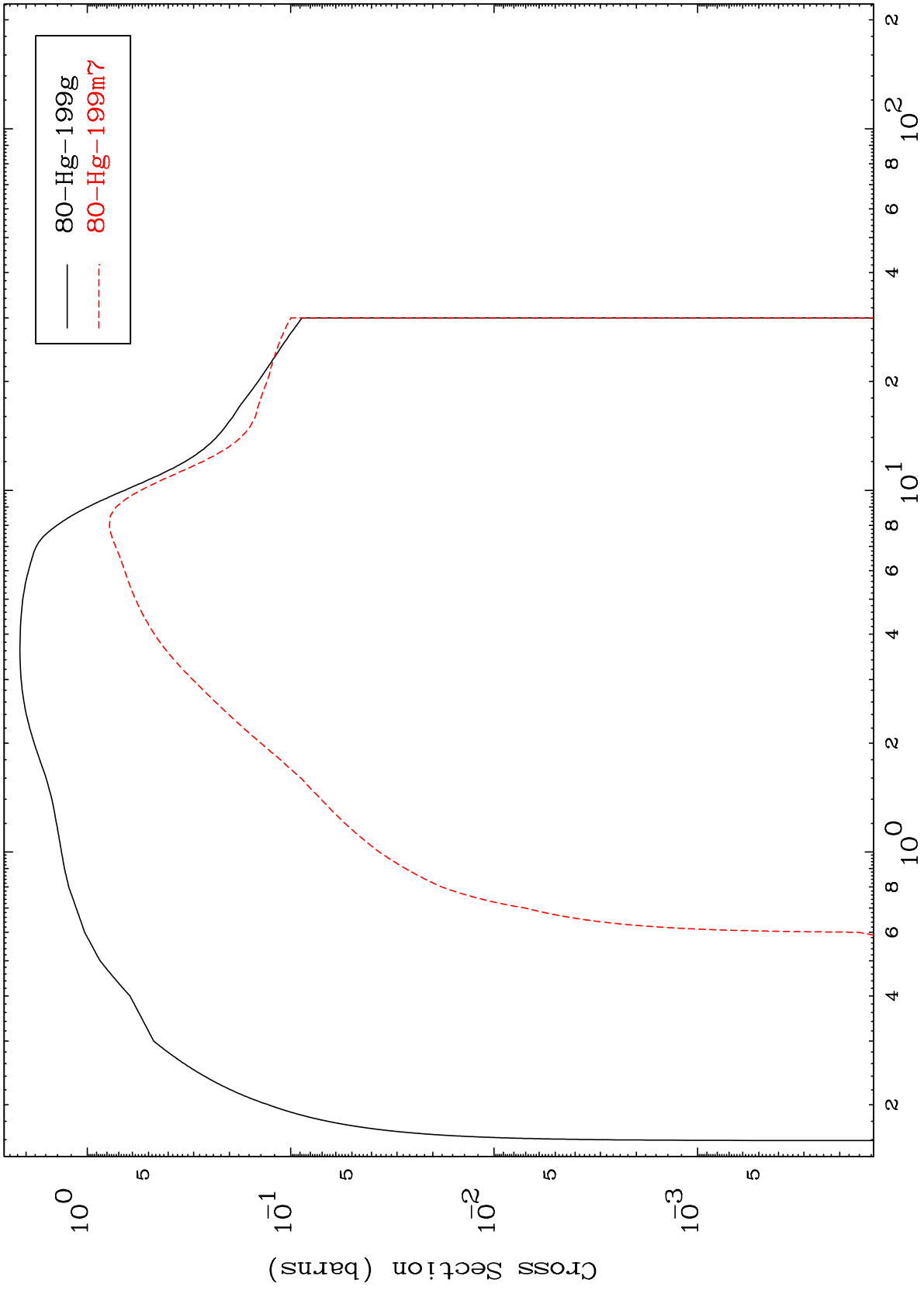


125 Incident Energy (MeV) 80-Hg-199

MAT 8034

80-Hg-199

### Inelastic Radionuclide Production Cross Section



126

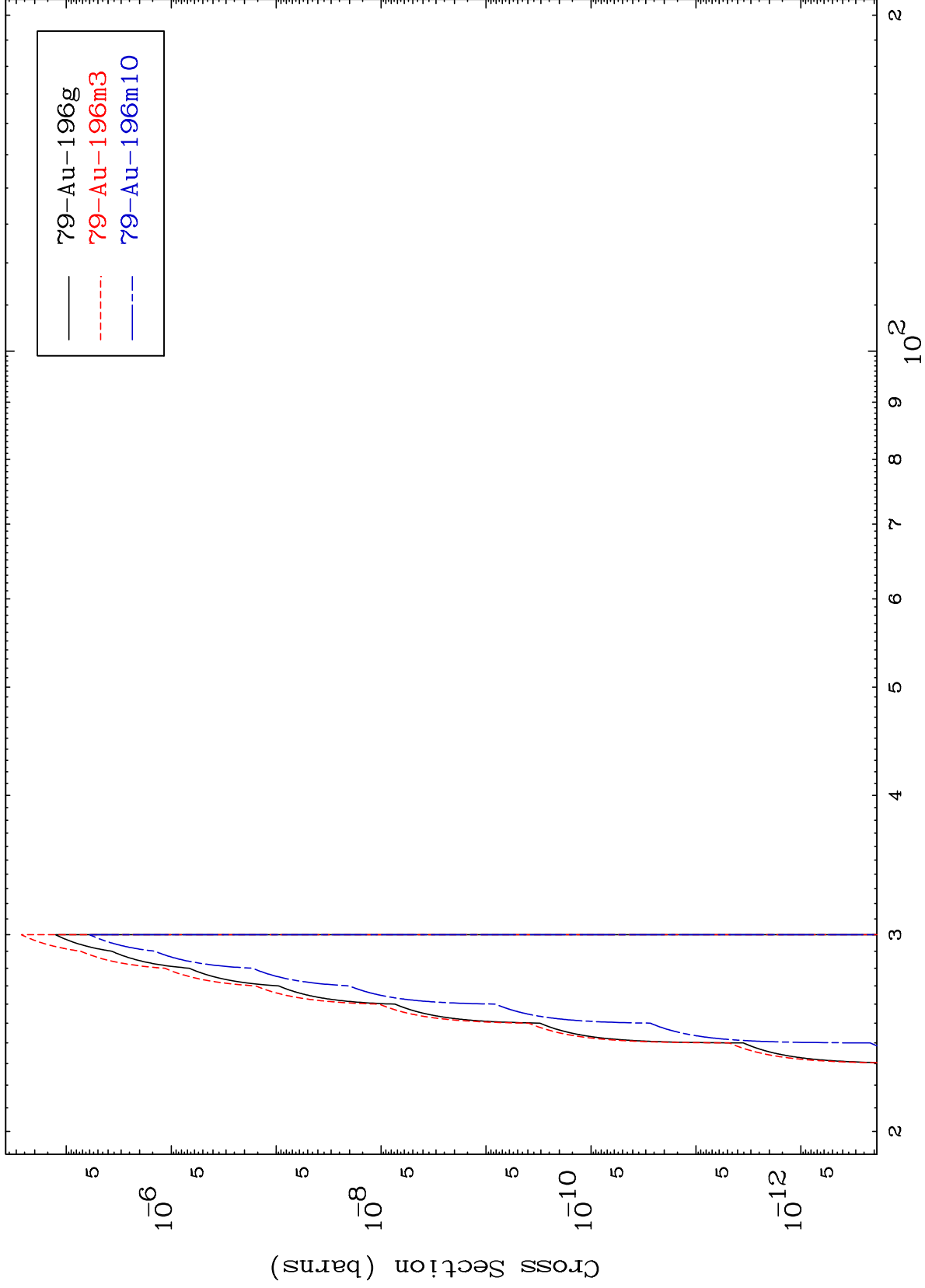
80-Hg-199

MAT 8034

(n,2n) d

80-Hg-199

Radionuclide Production Cross Section



127

Incident Energy (MeV)

80-Hg-199

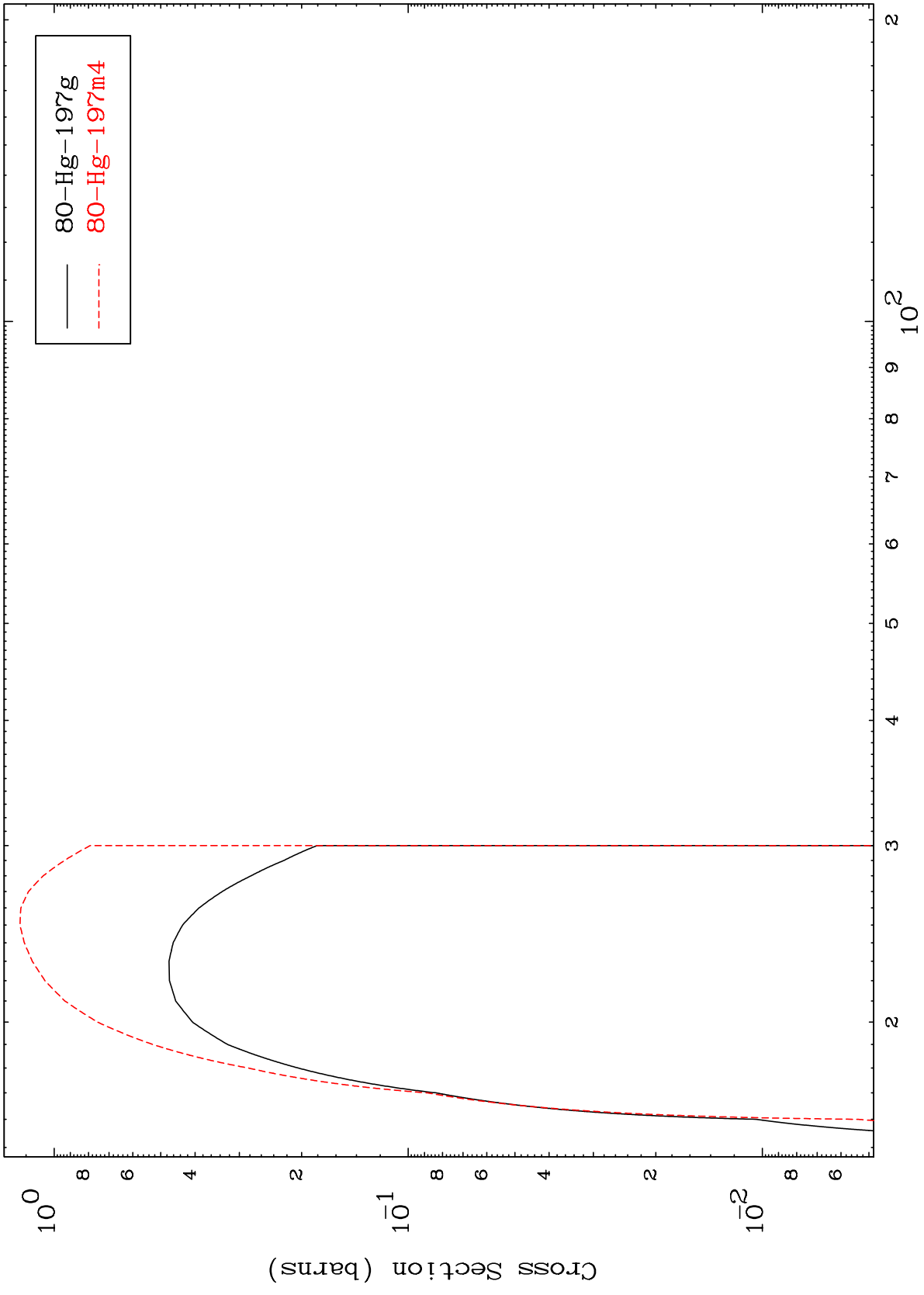


MAT 8034

(n,3n)

80-Hg-199

Radionuclide Production Cross Section



128

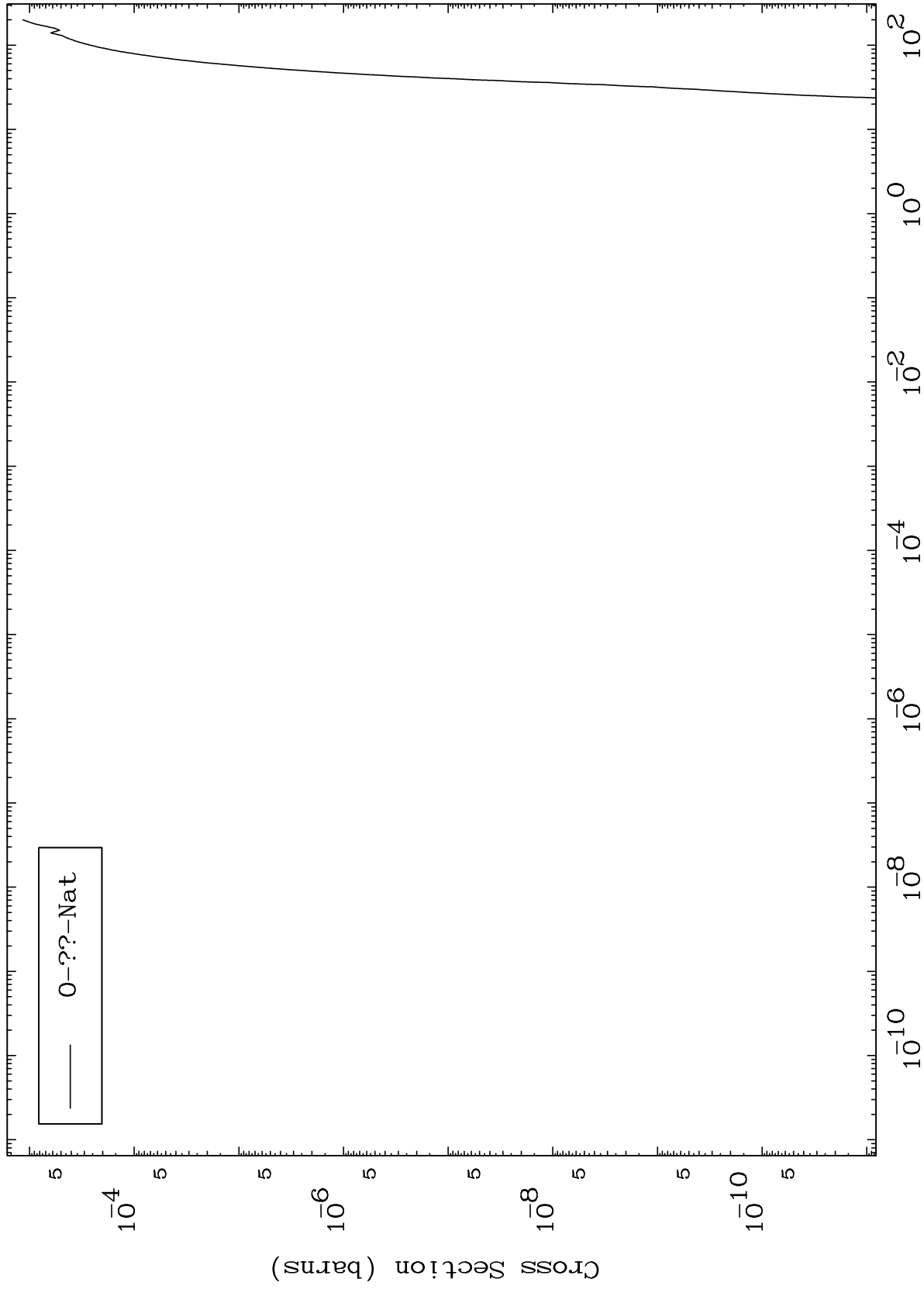
Incident Energy (MeV)

80-Hg-199

MAT 8034

Fission  
Radionuclide Production Cross Section

80-Hg-199



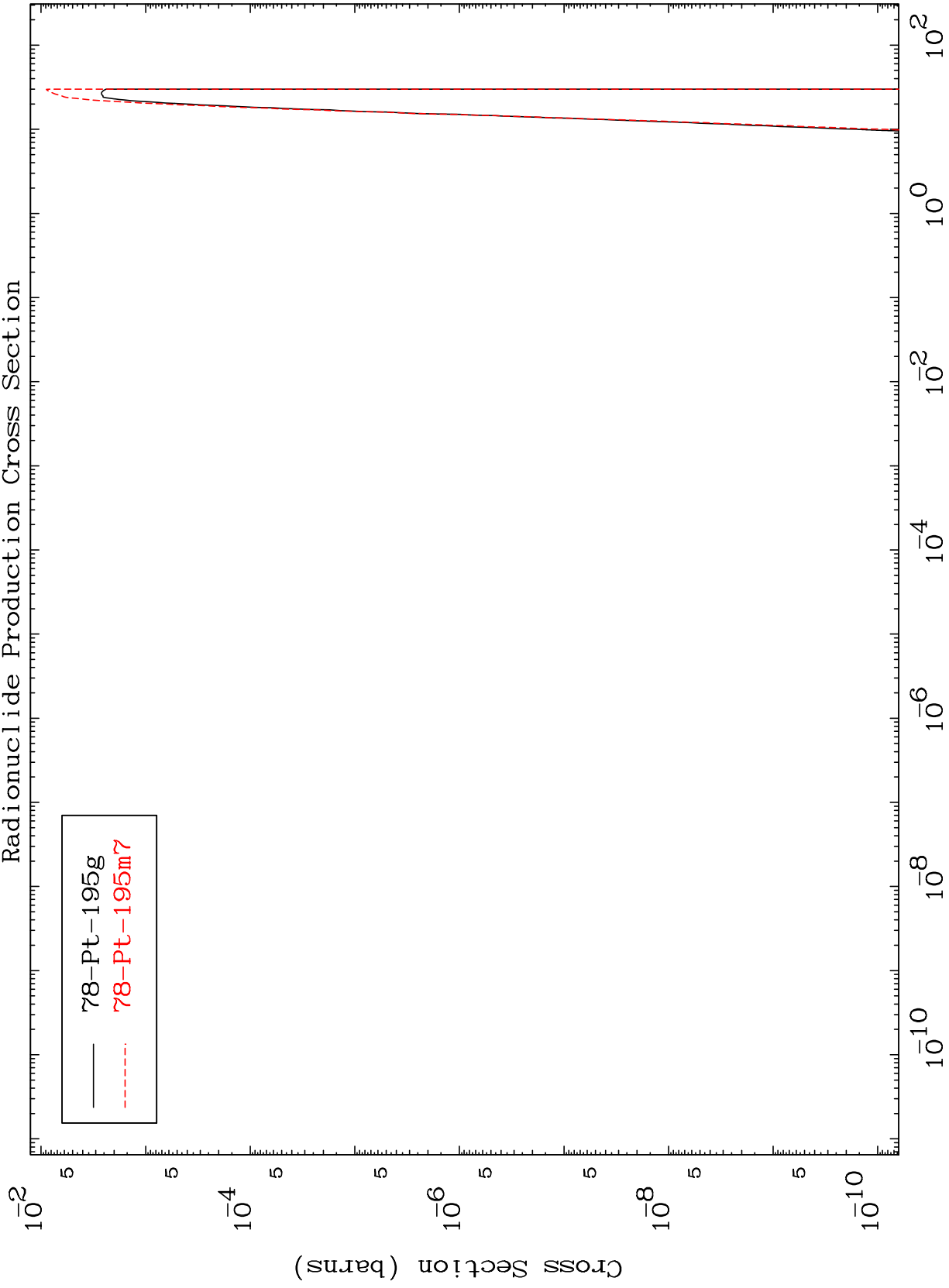
80-Hg-199

MAT 8034

(n,n')  $\alpha$

80-Hg-199

Radionuclide Production Cross Section



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

130

Incident Energy (MeV)

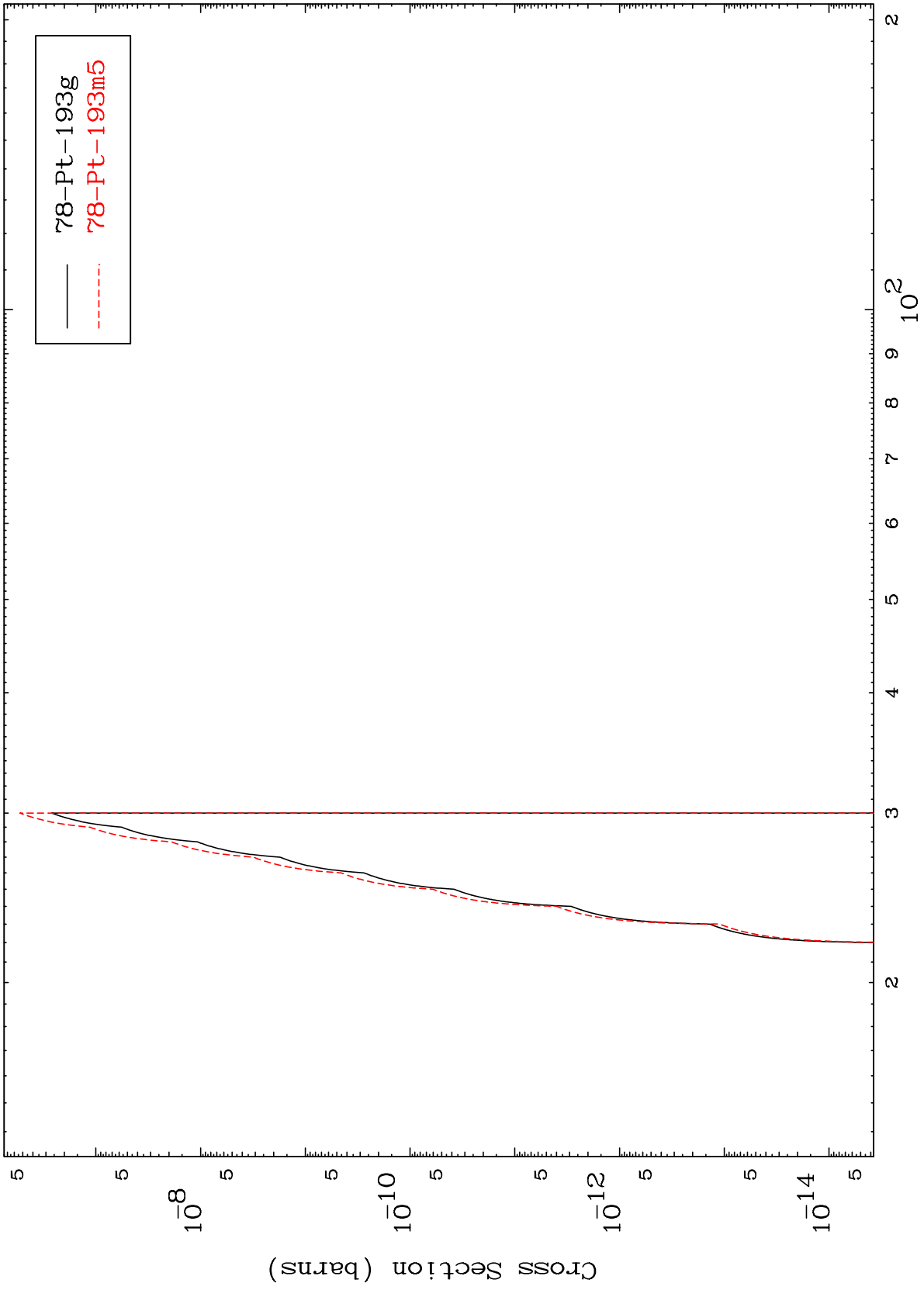
80-Hg-199

MAT 8034

(n,3n)  $\alpha$

80-Hg-199

Radionuclide Production Cross Section



131

Incident Energy (MeV)

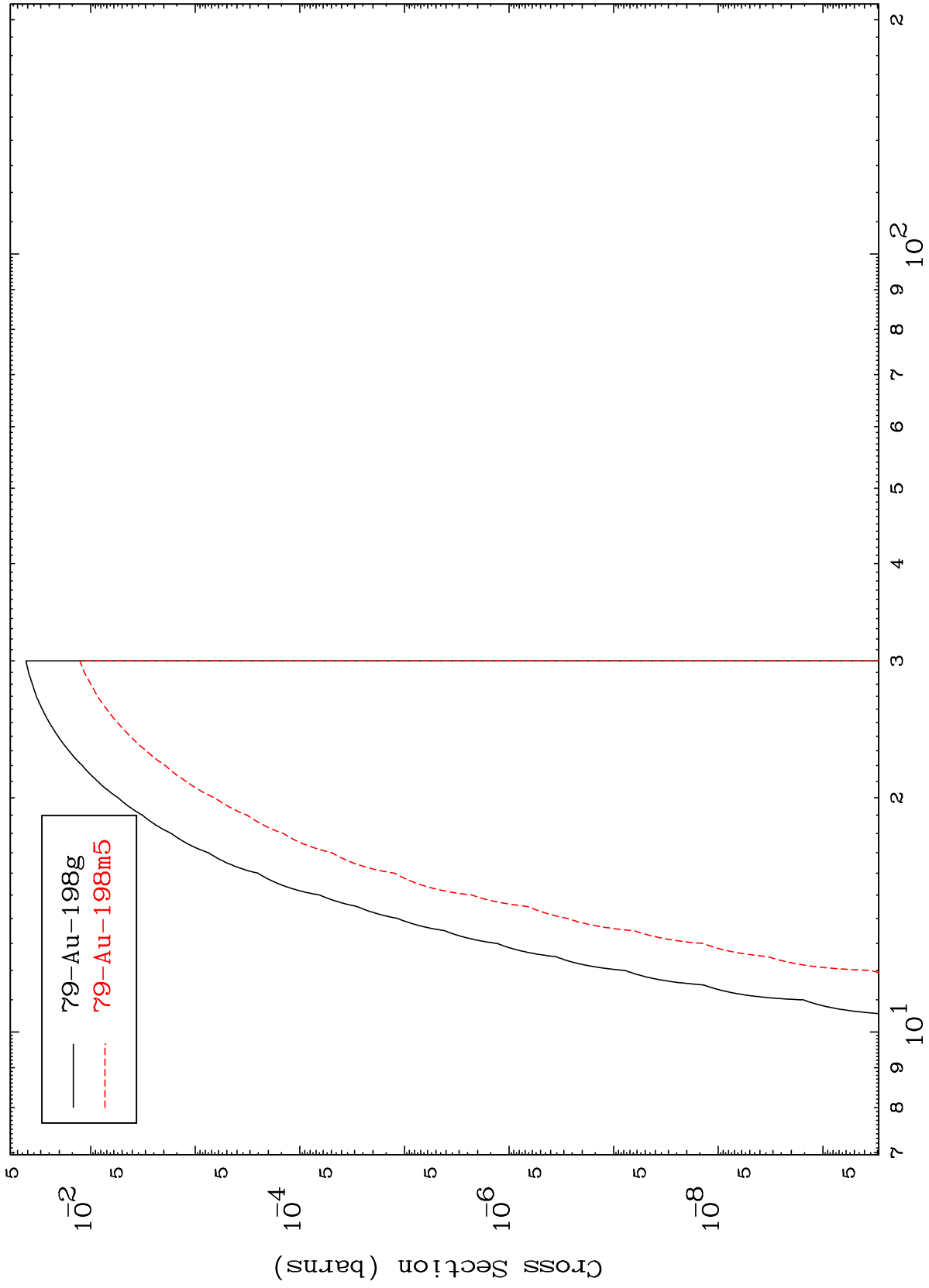
80-Hg-199

MAT 8034

(n,n') p

80-Hg-199

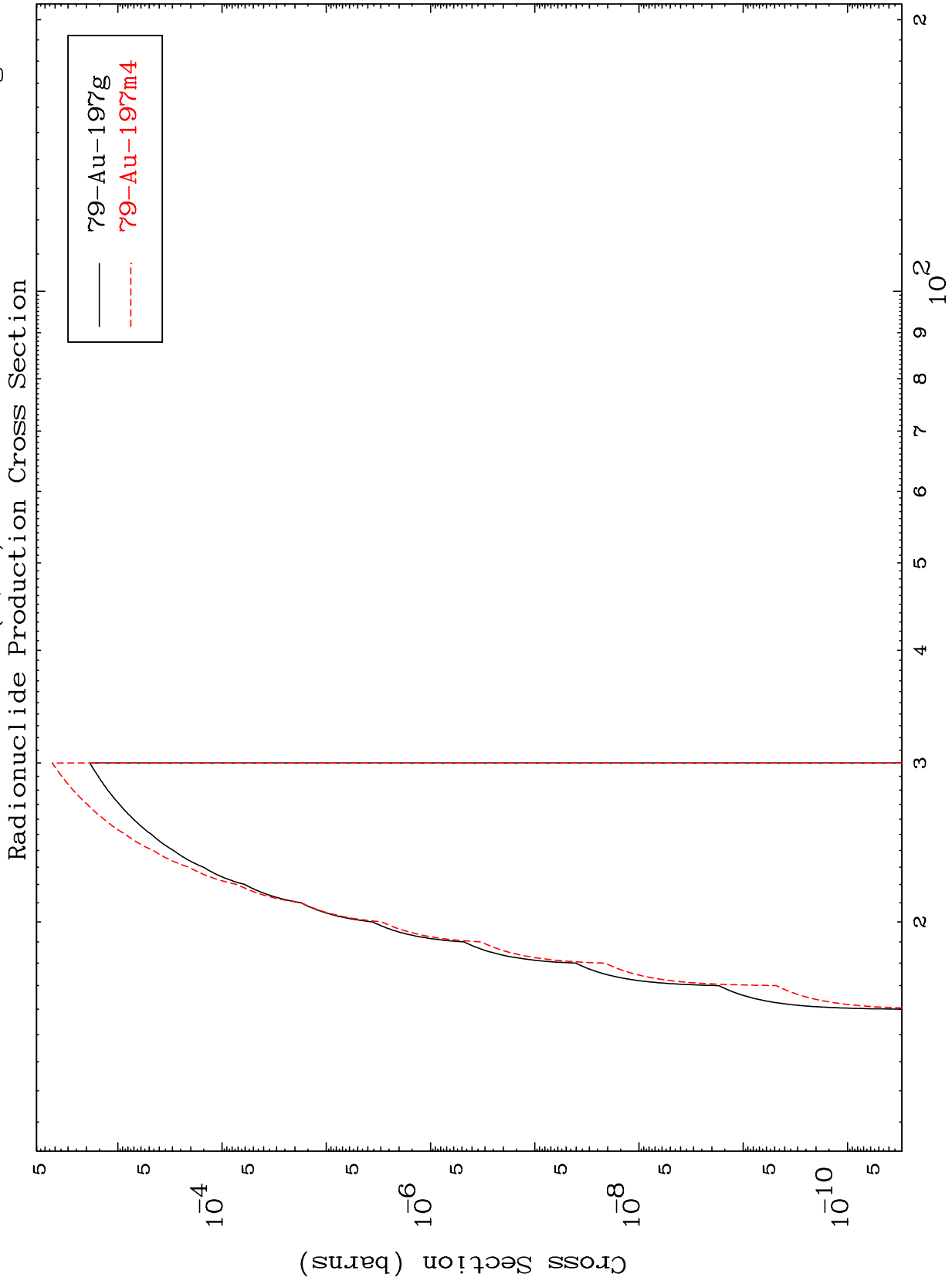
Radionuclide Production Cross Section



MAT 8034

(n,n') d

80-Hg-199



133

Incident Energy (MeV)

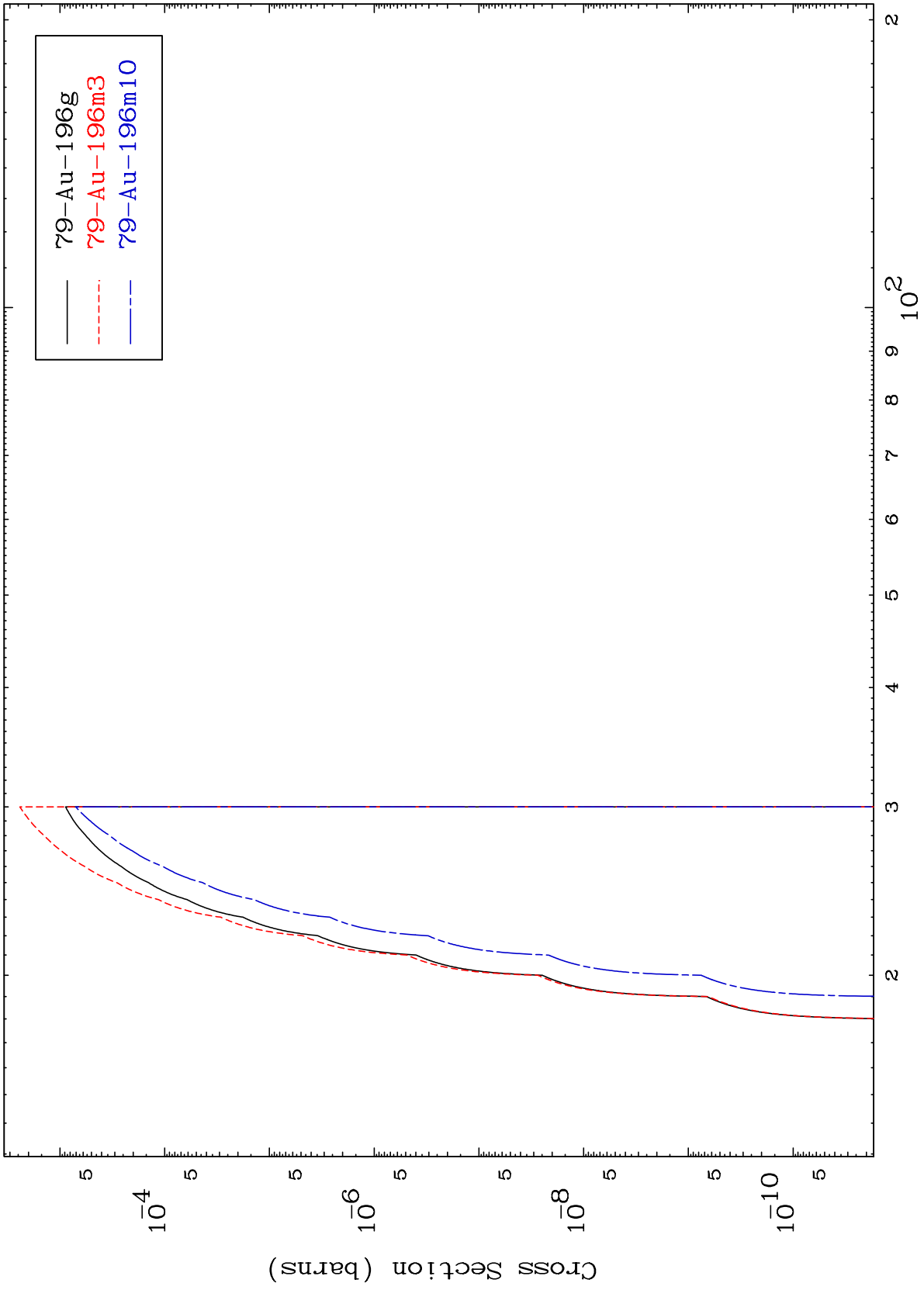
80-Hg-199

MAT 8034

(n,n') t

80-Hg-199

Radionuclide Production Cross Section



134

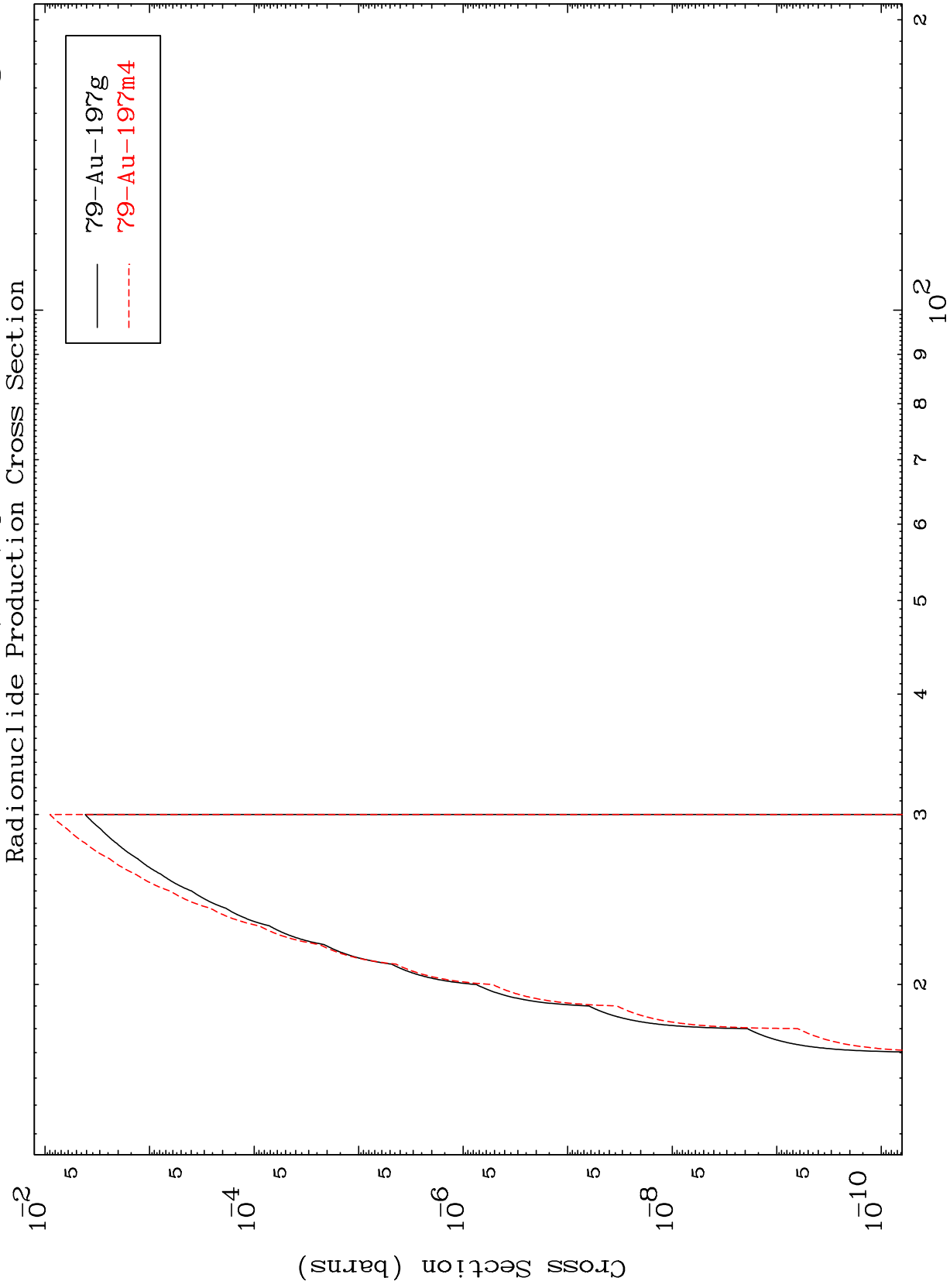
Incident Energy (MeV)

80-Hg-199

MAT 8034

(n,2n) p

80-Hg-199



135

80-Hg-199

80-Hg-199

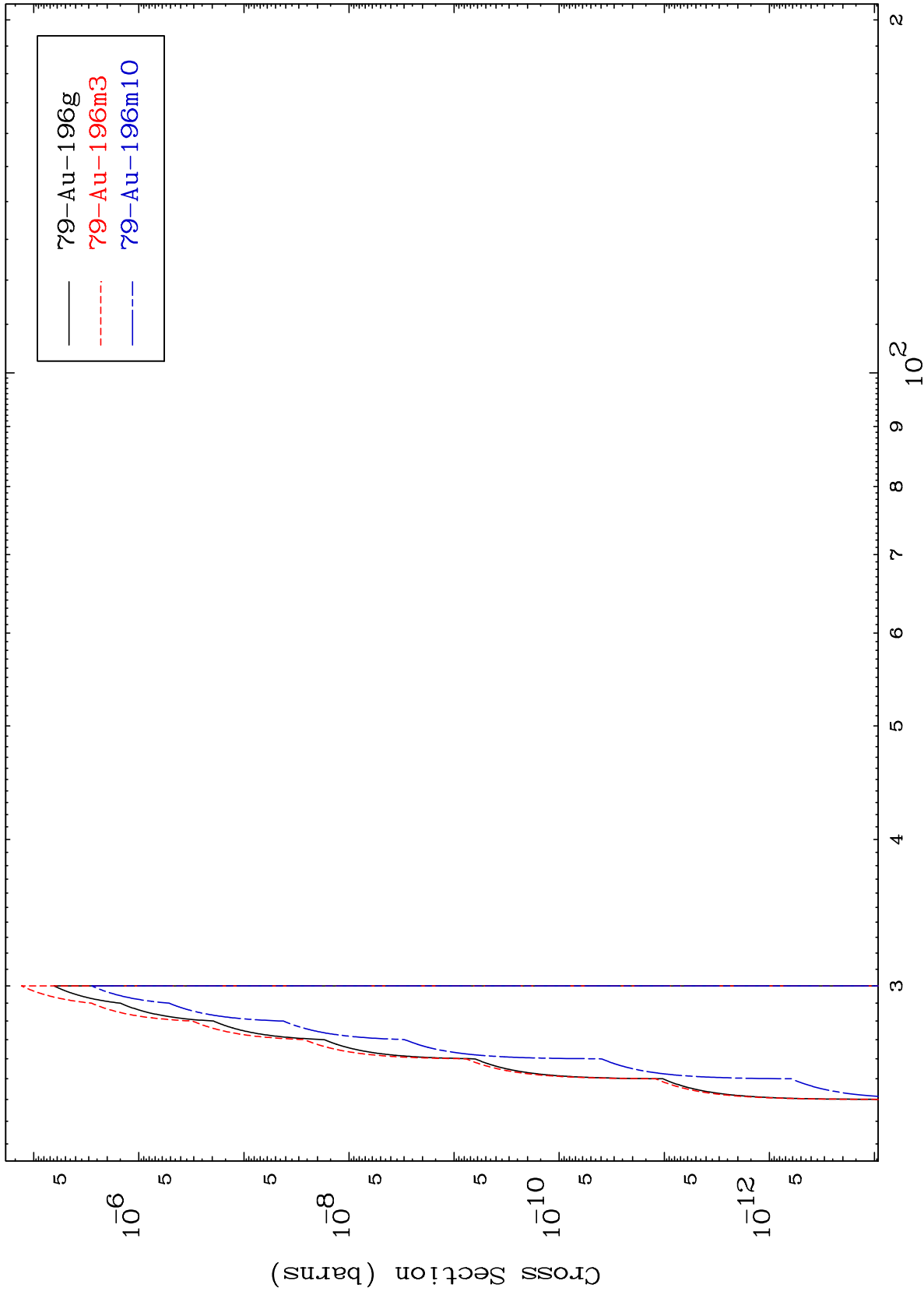


MAT 8034

(n,3n) p

80-Hg-199

Radionuclide Production Cross Section



136

Incident Energy (MeV)

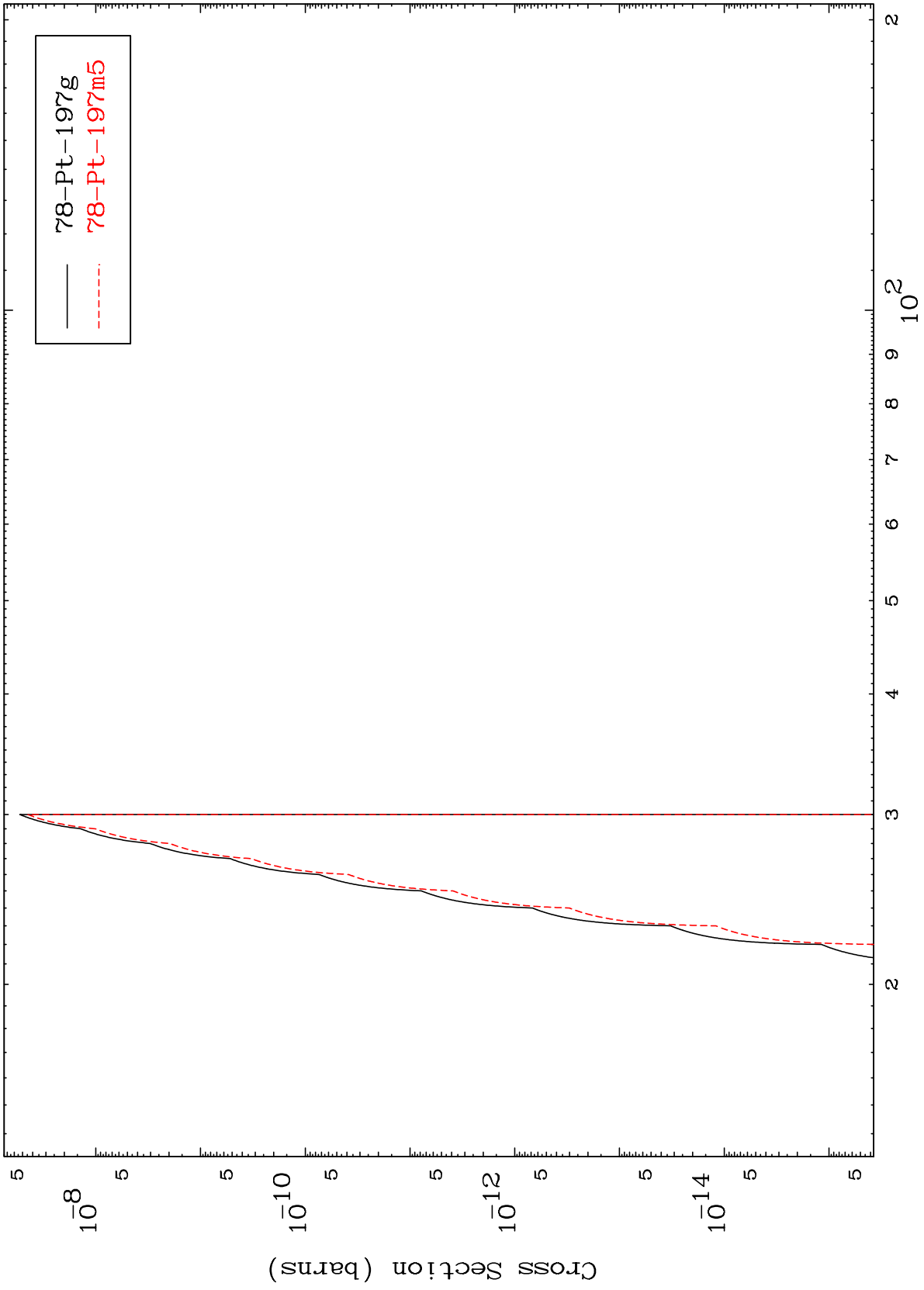
80-Hg-199

MAT 8034

(n,2n) p

80-Hg-199

Radionuclide Production Cross Section



137

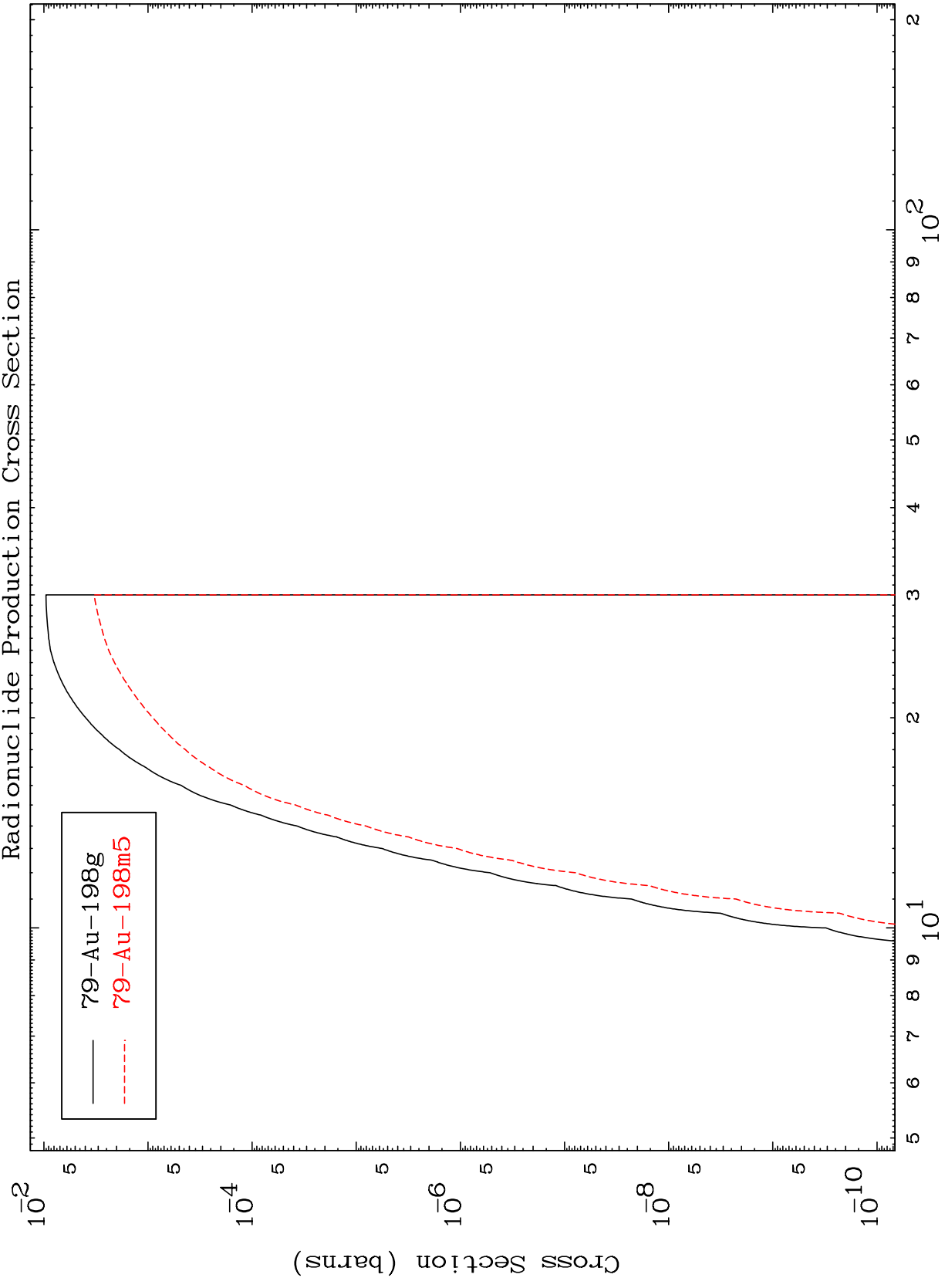
Incident Energy (MeV)

80-Hg-199

MAT 8034

80-Hg-199

Radionuclide Production Cross Section (n,d)



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

138

80-Hg-199

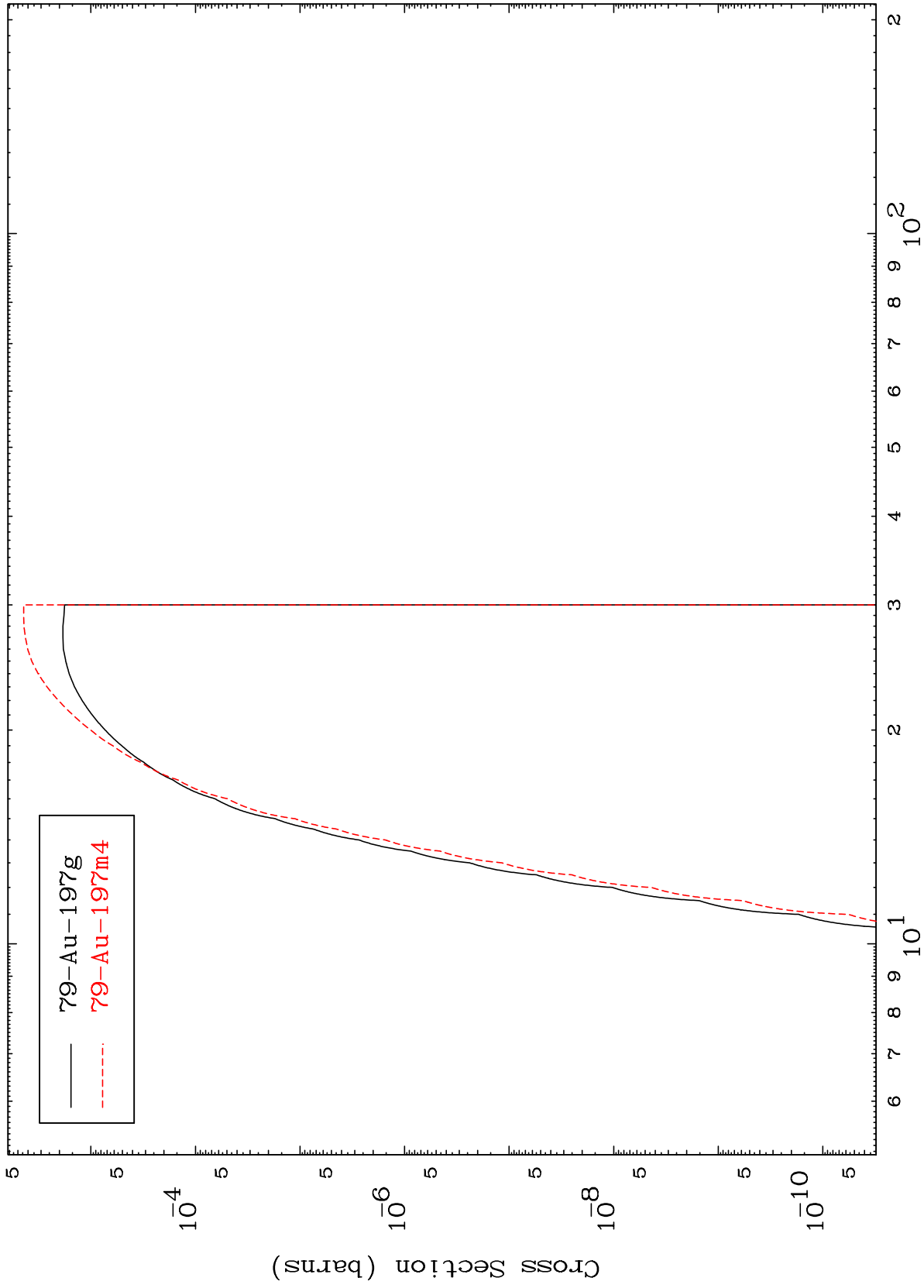
Incident Energy (MeV)

MAT 8034

80-Hg-199

Radionuclide Production Cross Section

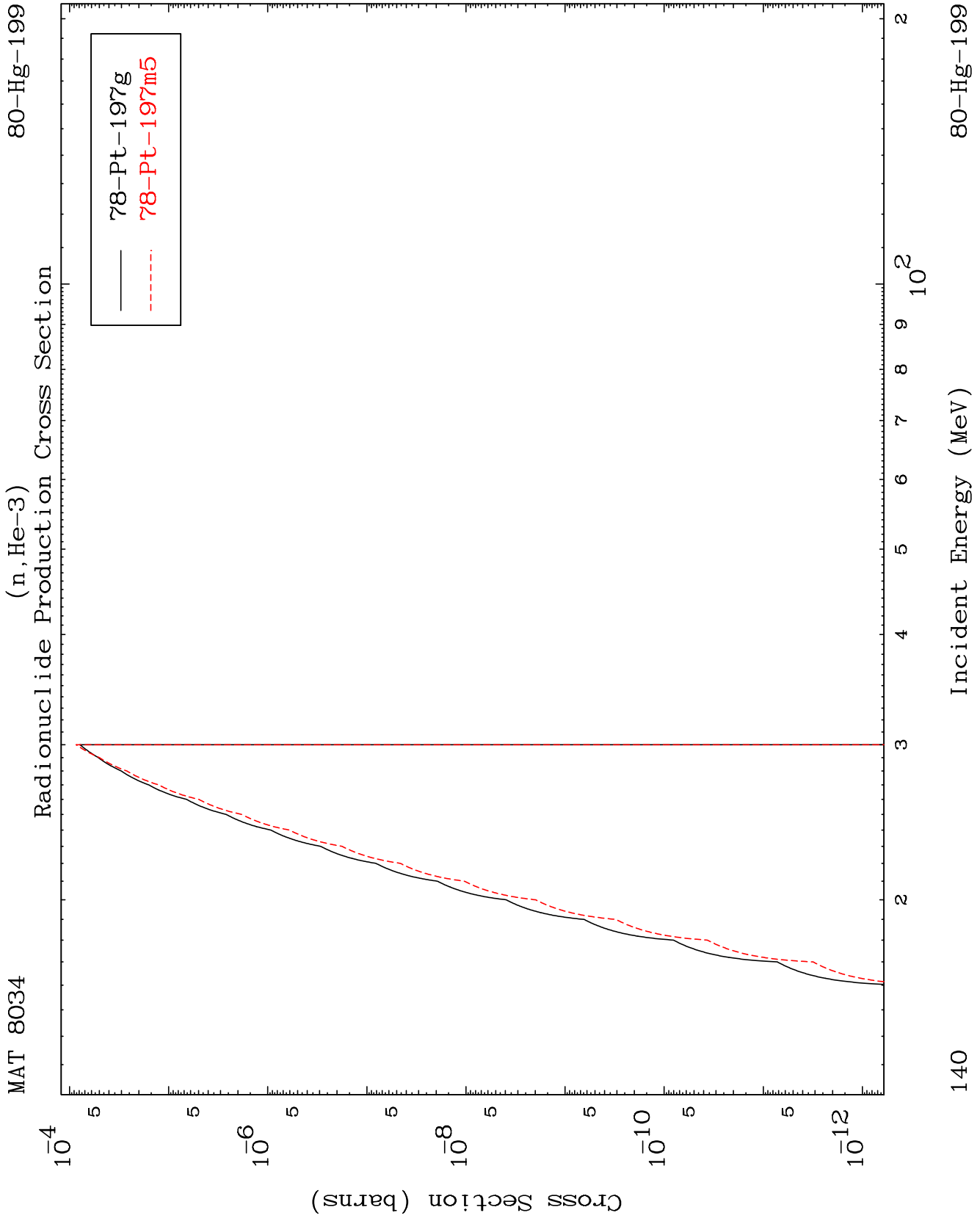
(n, t)



139

Incident Energy (MeV)

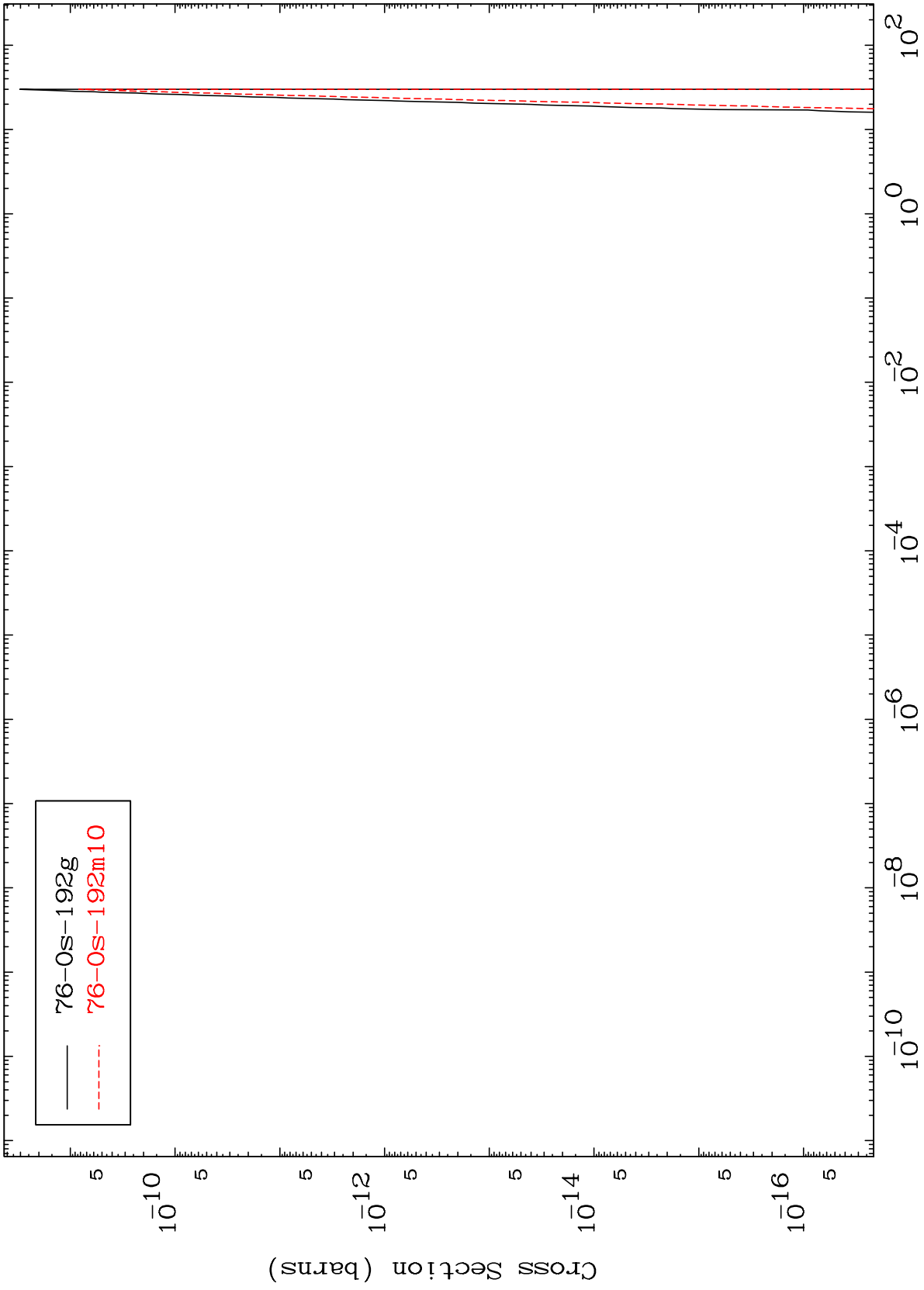
80-Hg-199



MAT 8034

(n,2α)  
Radionuclide Production Cross Section

80-Hg-199



141

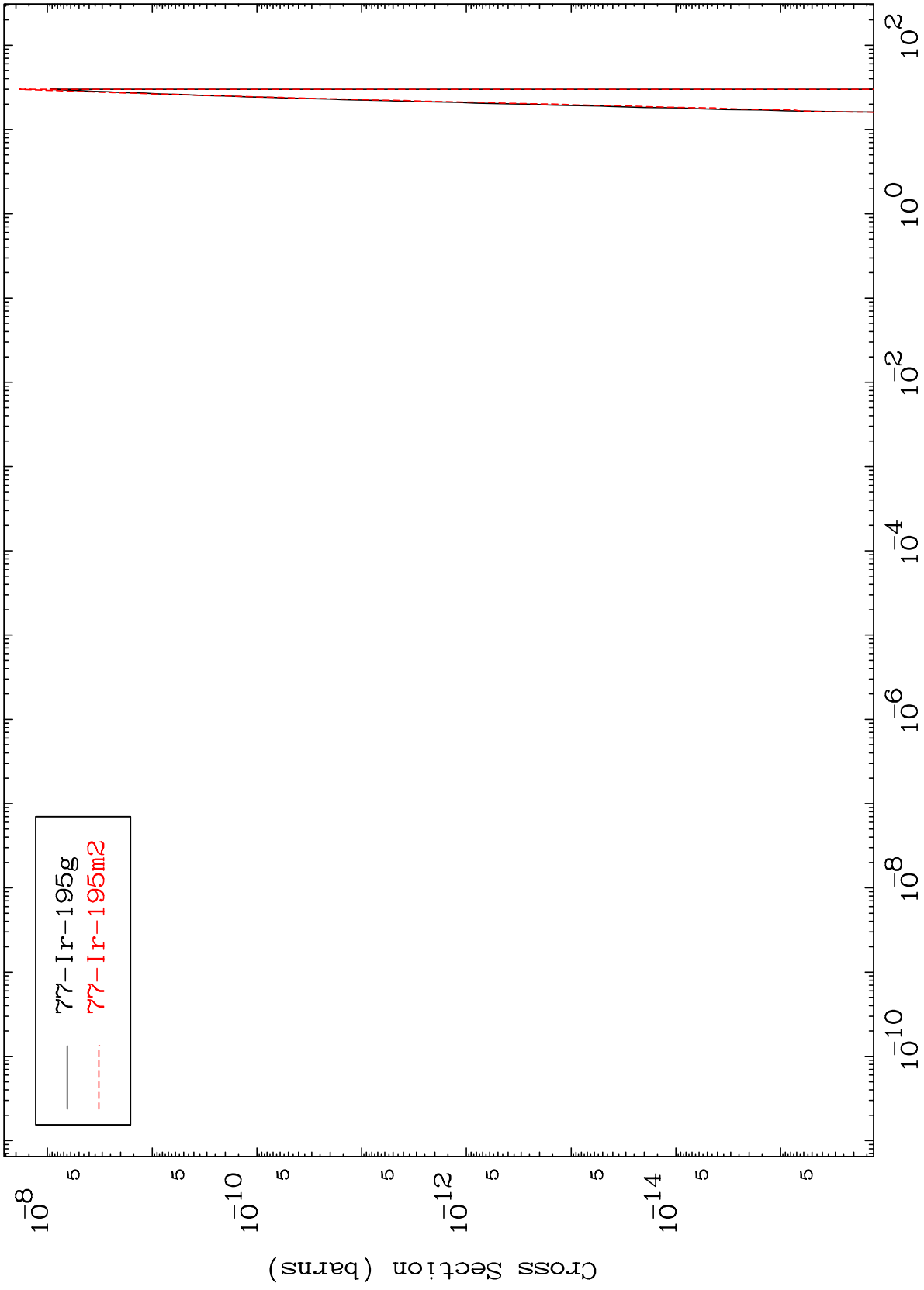
80-Hg-199

MAT 8034

(n,p)  $\alpha$

80-Hg-199

Radionuclide Production Cross Section



142

Incident Energy (MeV)

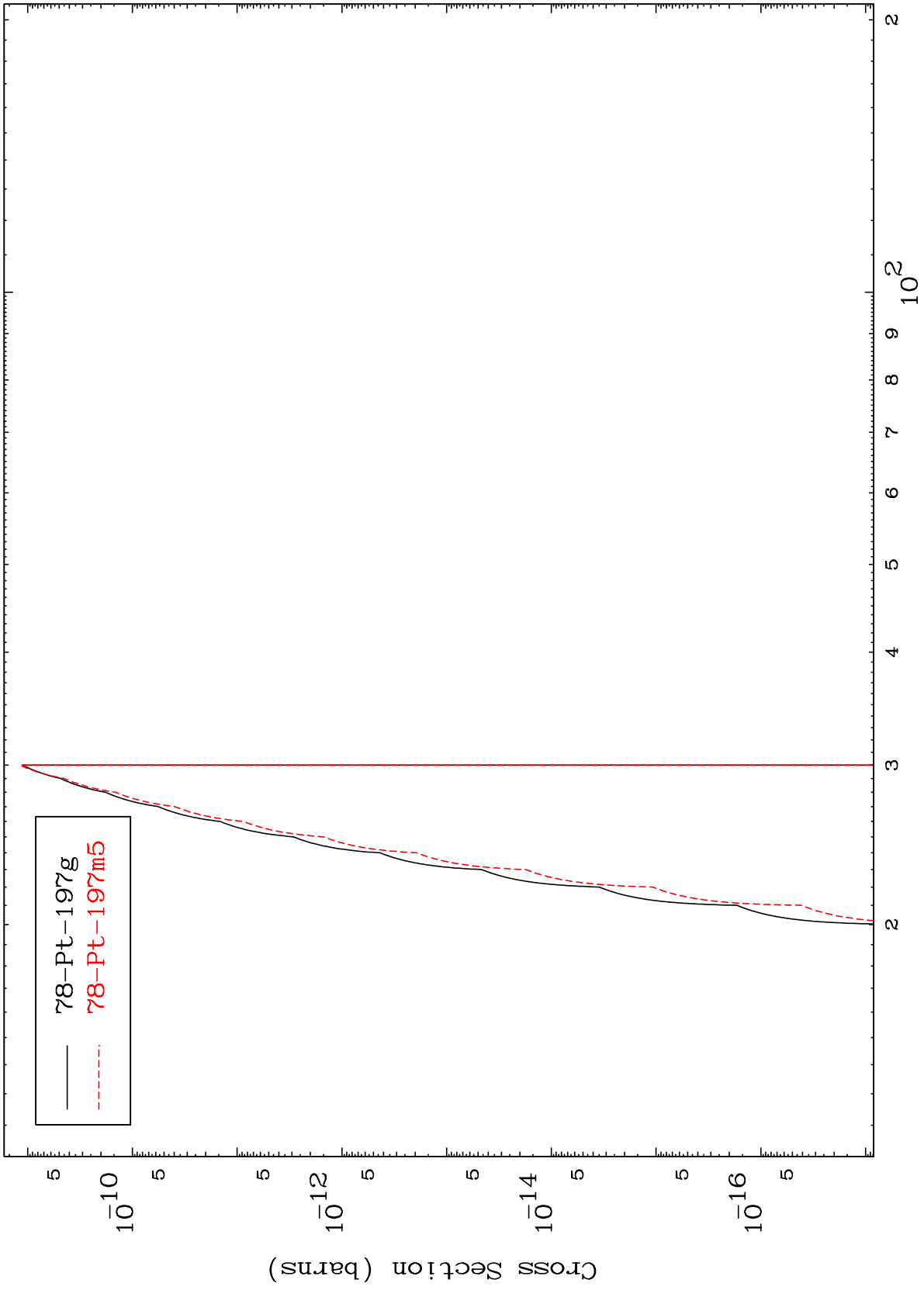
80-Hg-199

MAT 8034

(n,p) d

80-Hg-199

Radionuclide Production Cross Section



78-Pt-197g  
78-Pt-197m5

143

Incident Energy (MeV)

80-Hg-199