

Program EVALPLOT
(Version 2018-1)

by

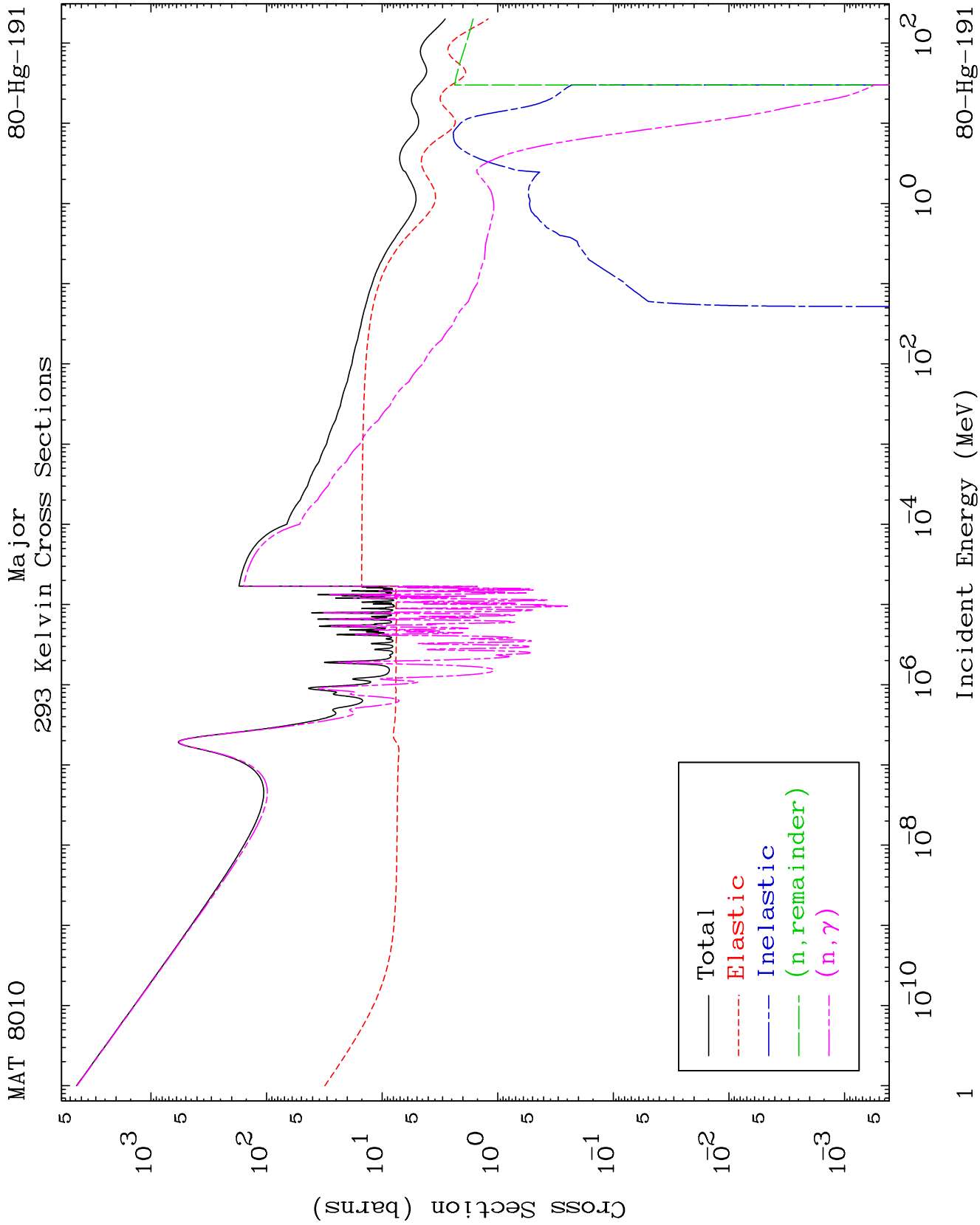
Dermott E. Cullen
(Present Contact Information)

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E.Mail:redcullen1@comcast.net
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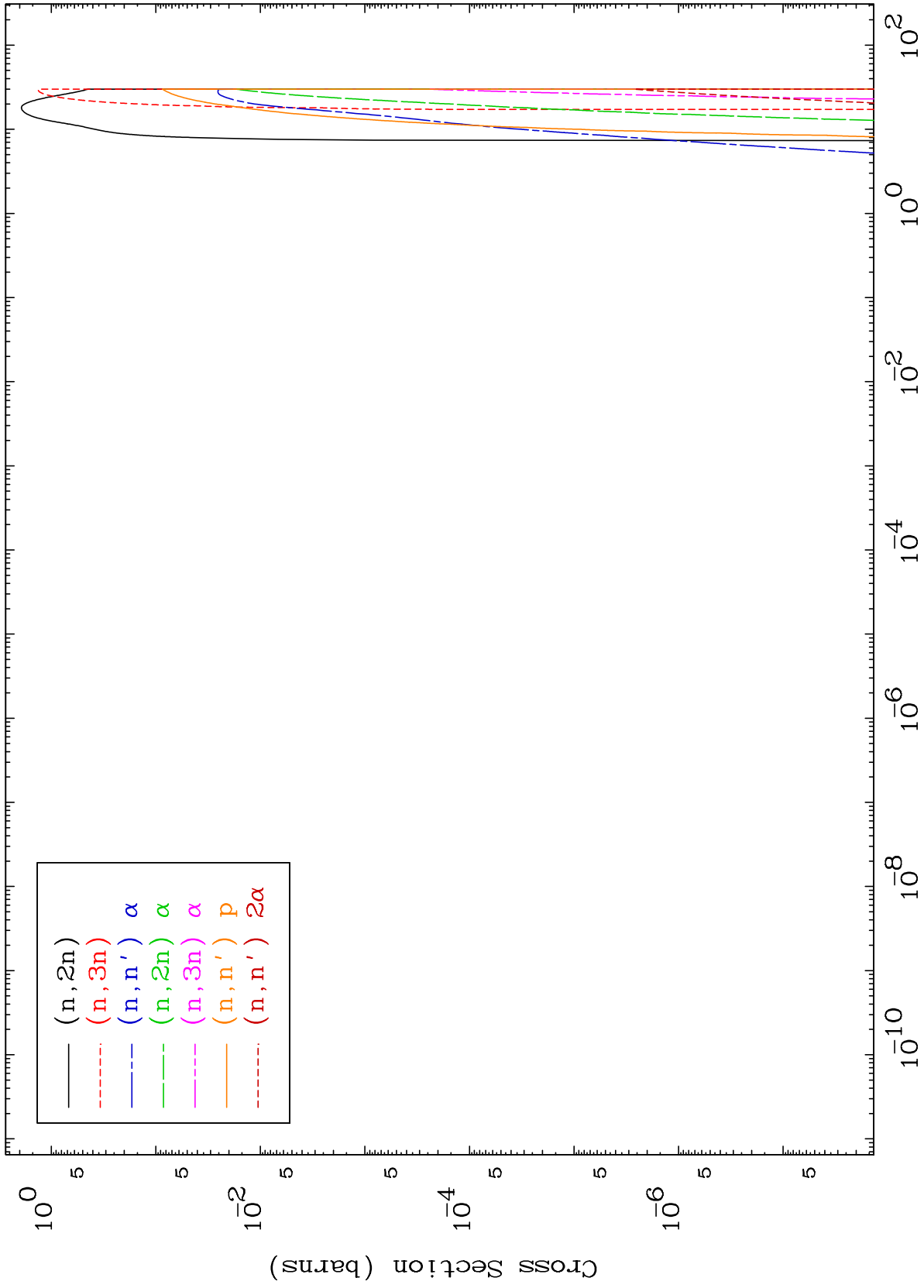
Press Mouse Button to Start



MAT 8010

Neutron Production
293 Kelvin Cross Sections

80-Hg-191

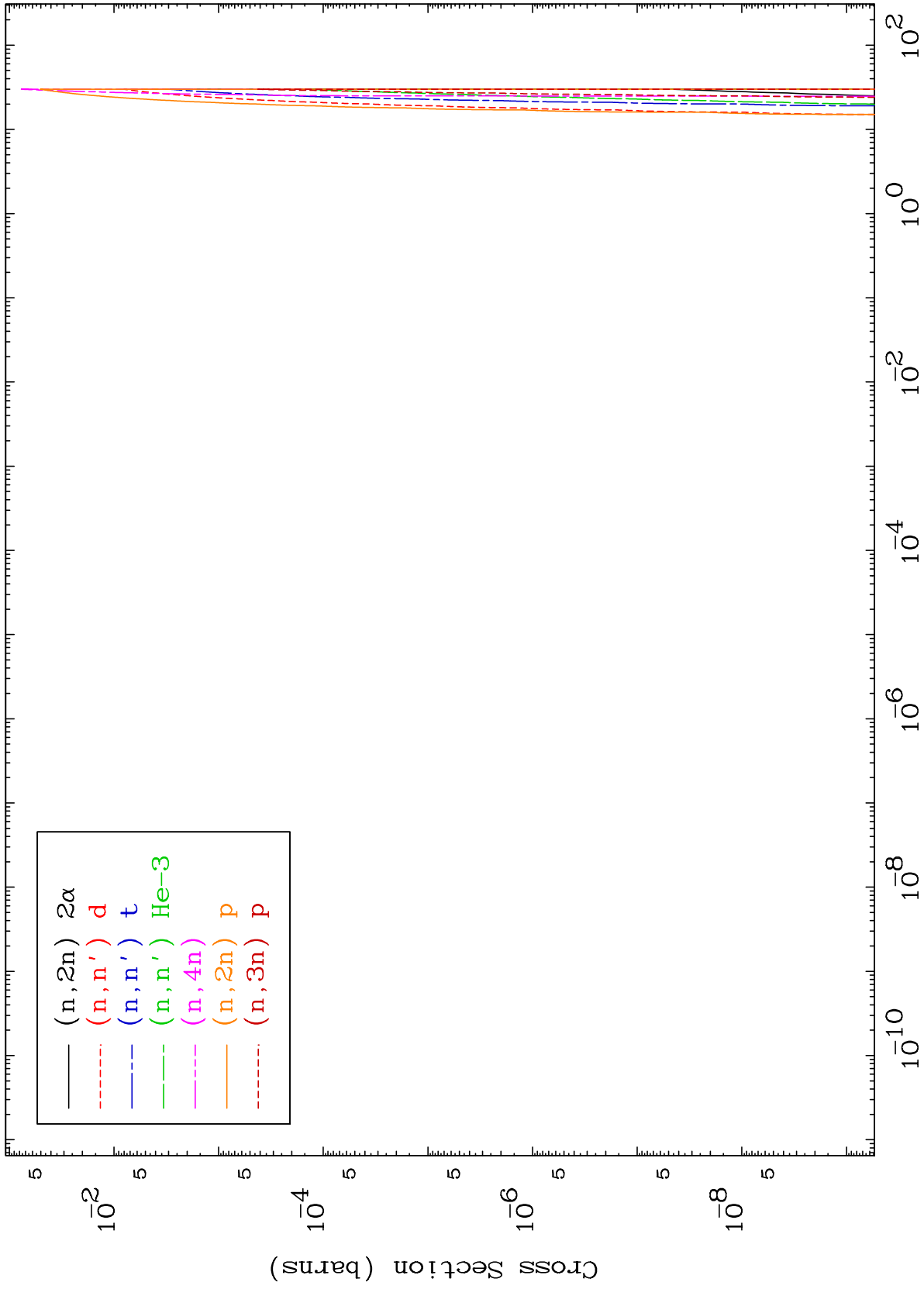


80-Hg-191

MAT 8010

Neutron Production
293 Kelvin Cross Sections

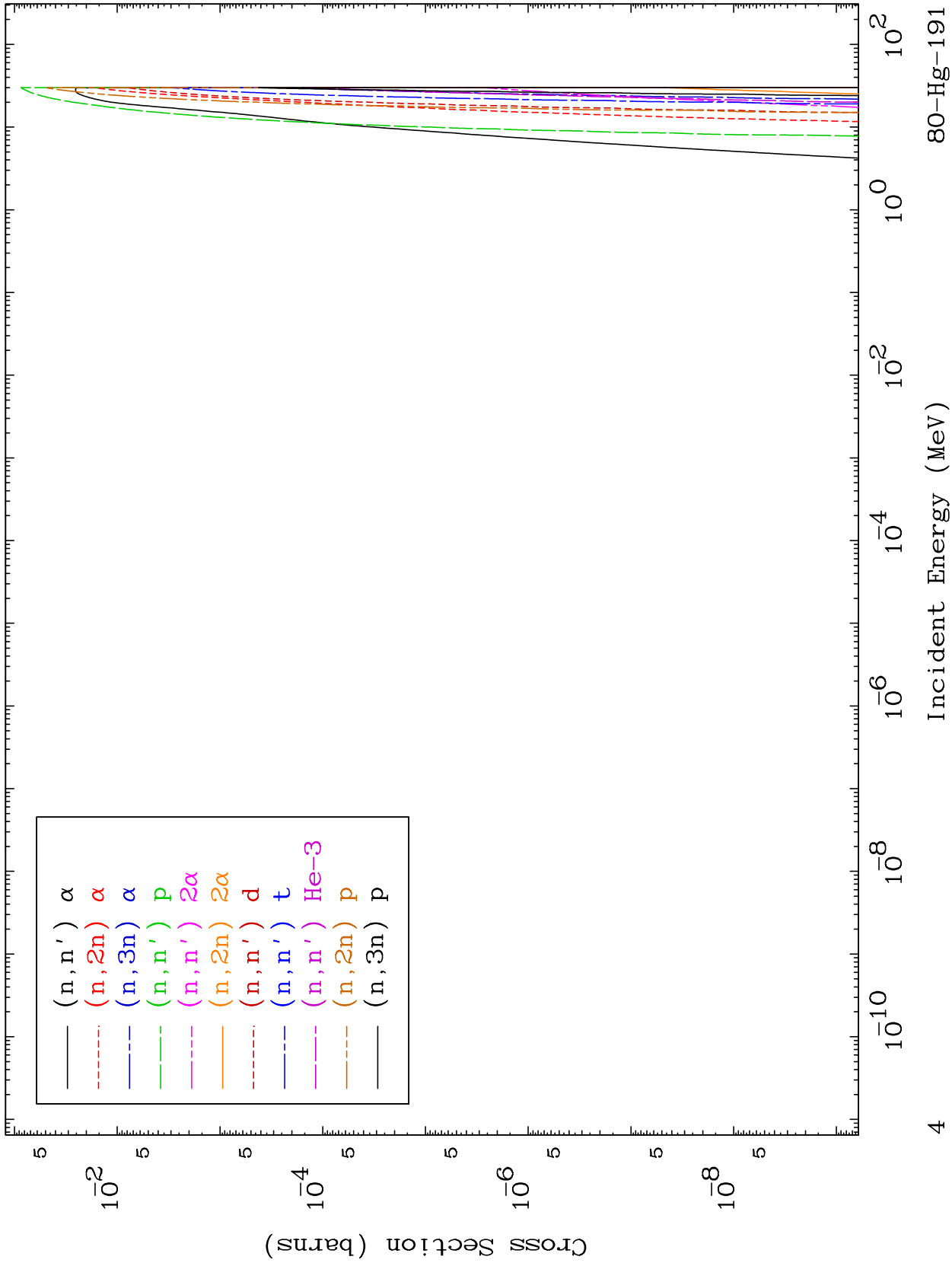
80-Hg-191



MAT 8010

Charged Particle
293 Kelvin Cross Sections

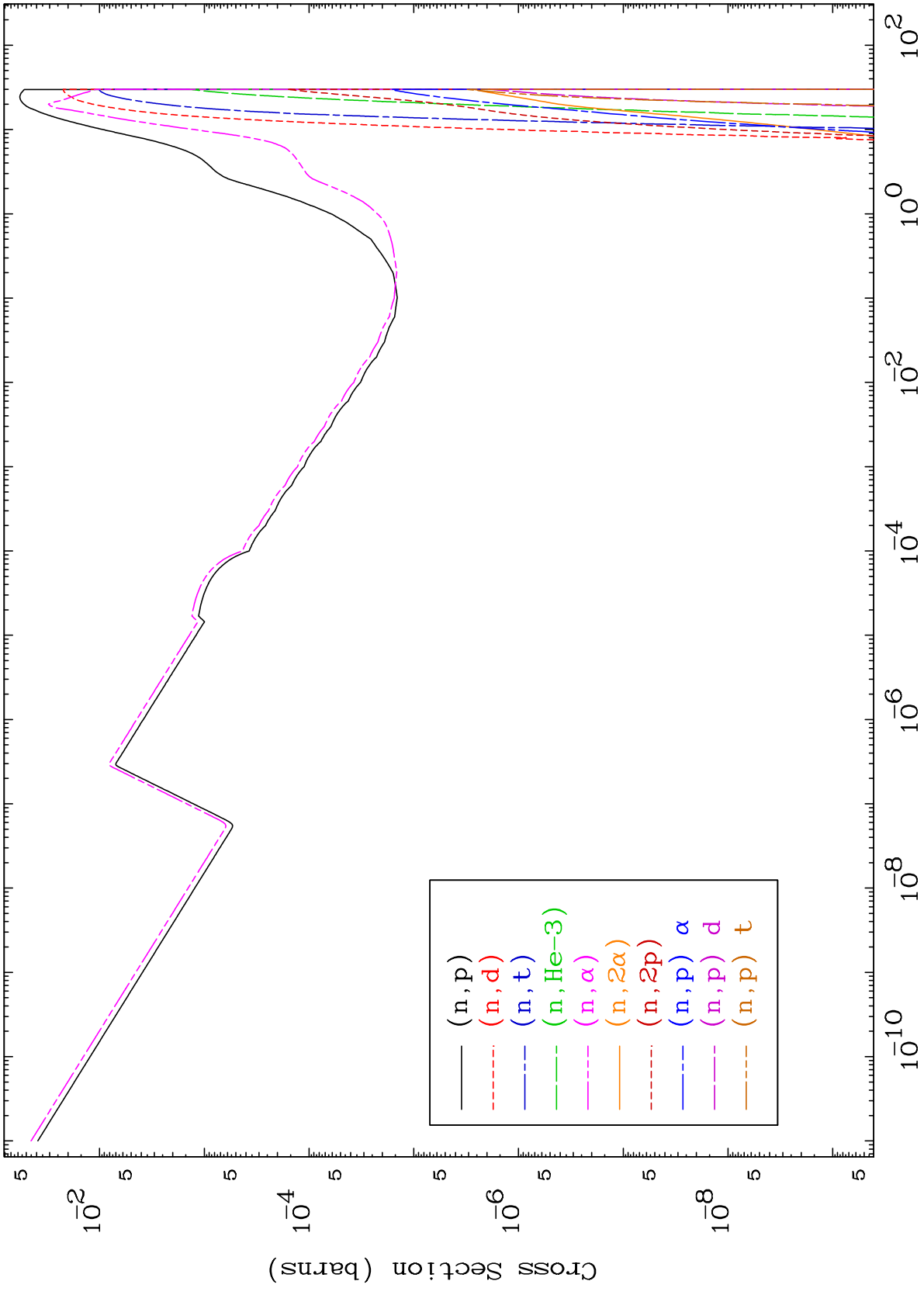
80-Hg-191



MAT 8010

293 Kelvin Cross Sections

80-Hg-191



5

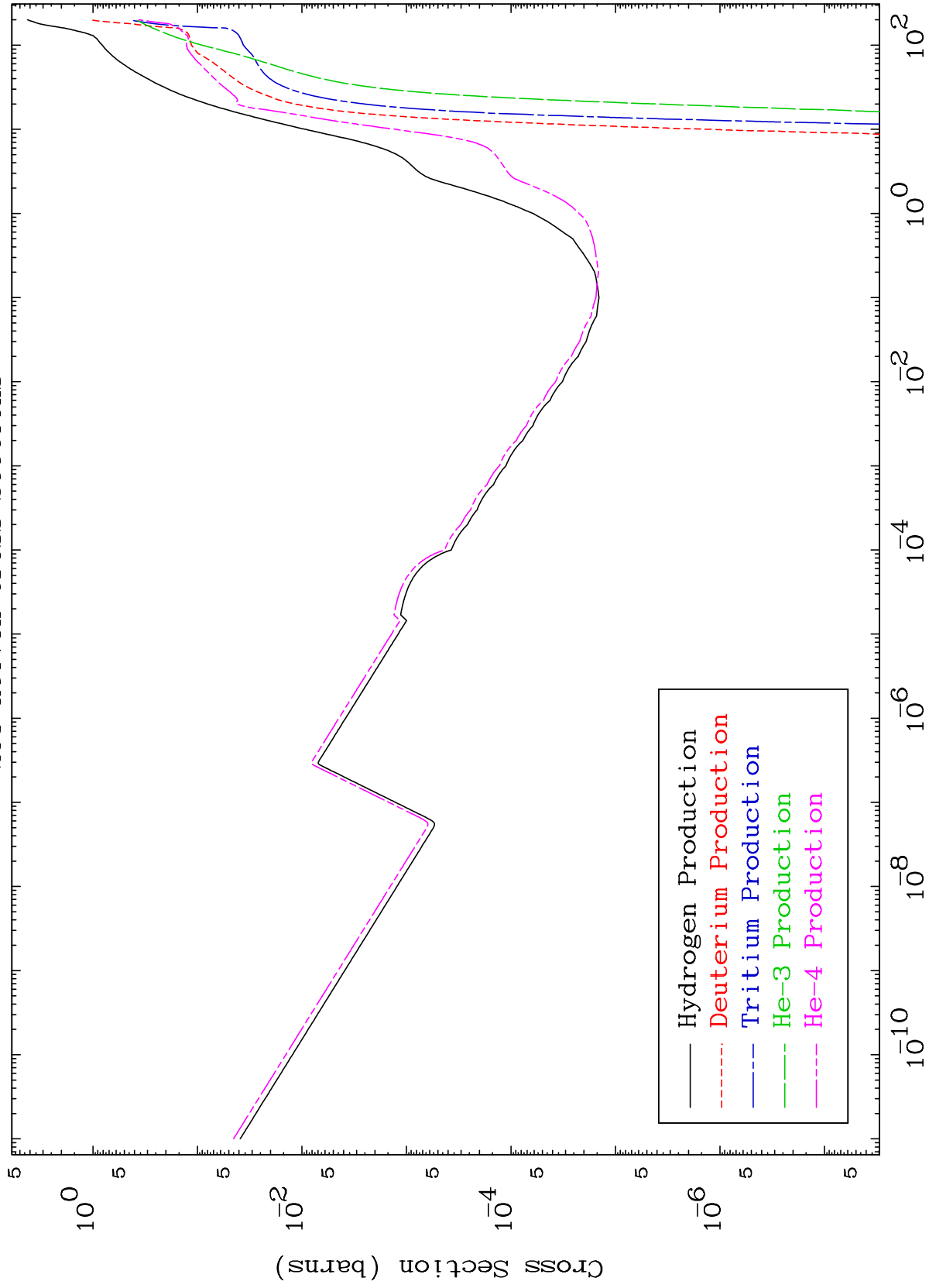
Incident Energy (MeV)

80-Hg-191

MAT 8010

Particle Production
293 Kelvin Cross Sections

80-Hg-191



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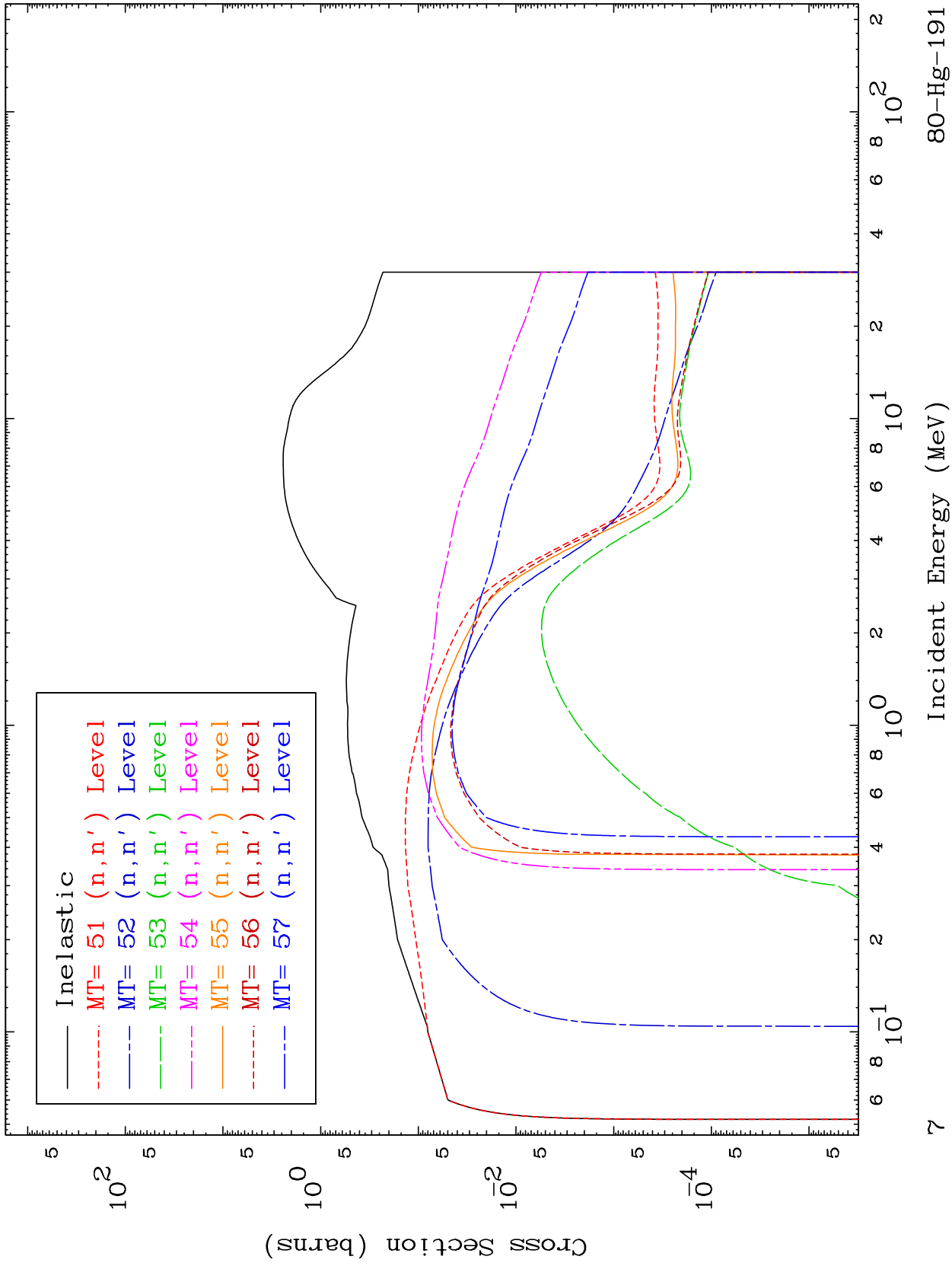
Incident Energy (MeV)

80-Hg-191

MAT 8010

(n,n') Level
293 Kelvin Cross Sections

80-Hg-191



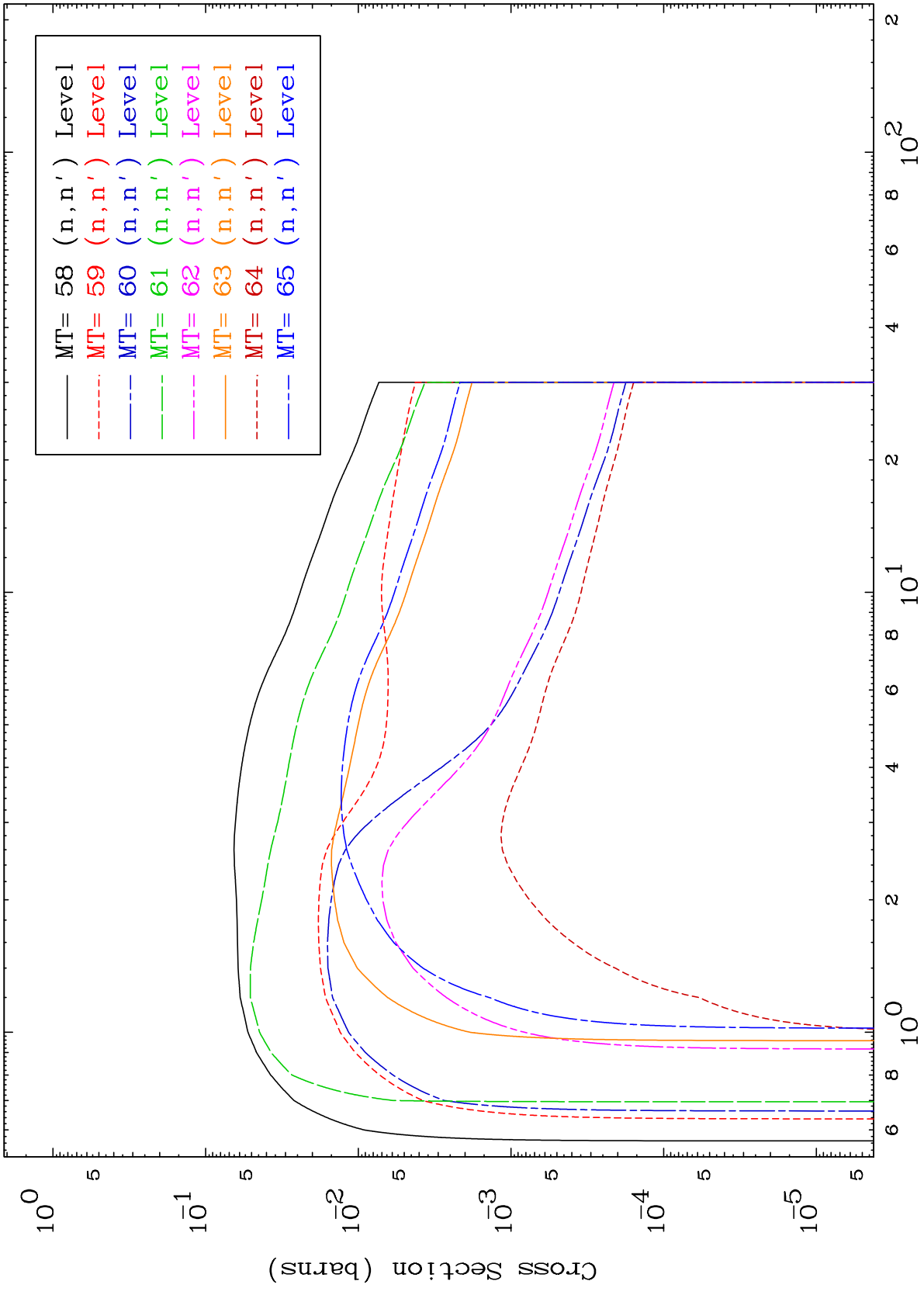
7

80-Hg-191

MAT 8010

(n,n') Level
293 Kelvin Cross Sections

80-Hg-191



8

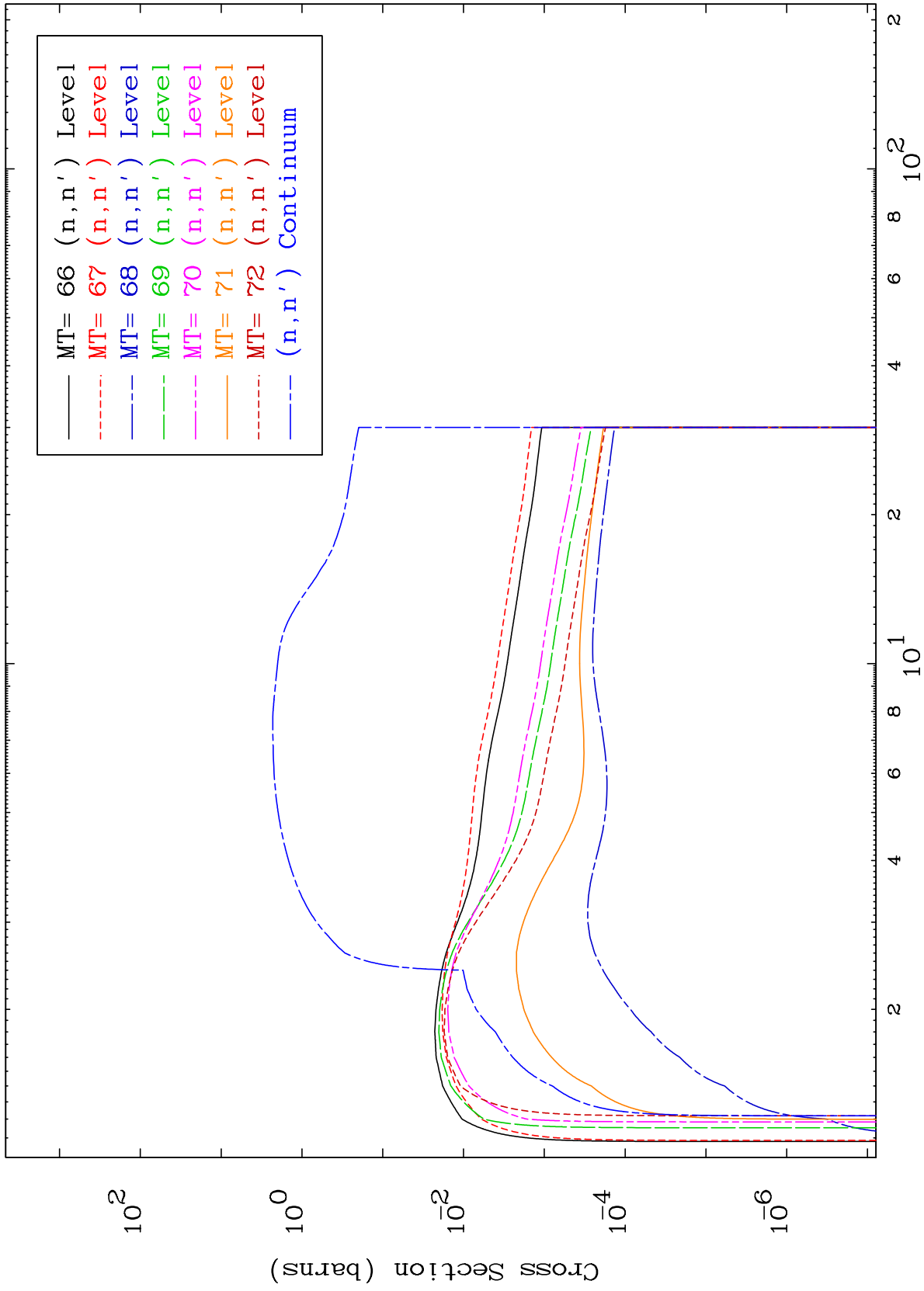
Incident Energy (MeV)

80-Hg-191

MAT 8010

(n,n') Level
293 Kelvin Cross Sections

80-Hg-191



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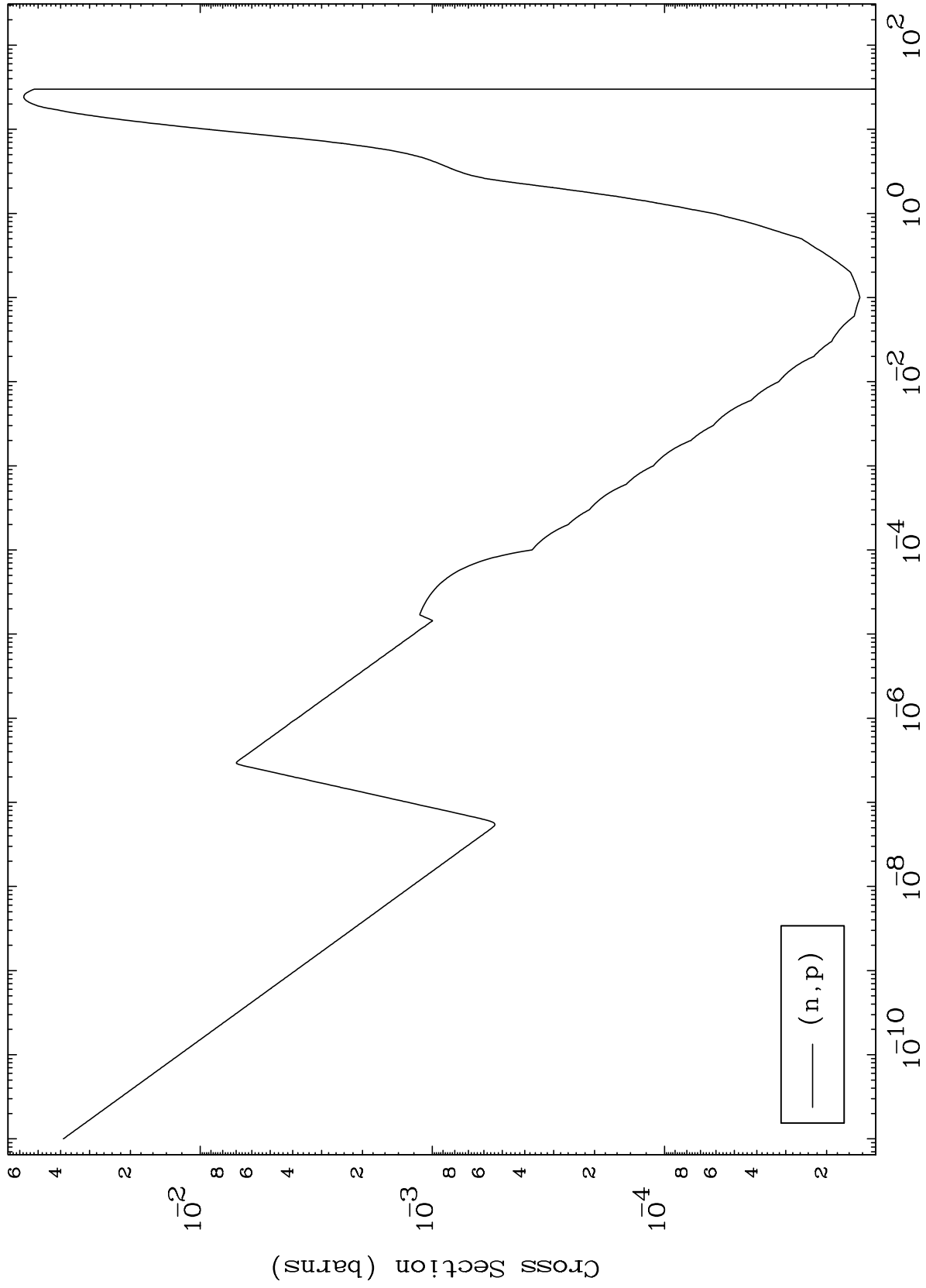
Incident Energy (MeV)

80-Hg-191

MAT 8010

(n,p) Levels
293 Kelvin Cross Sections

80-Hg-191



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Incident Energy (MeV)

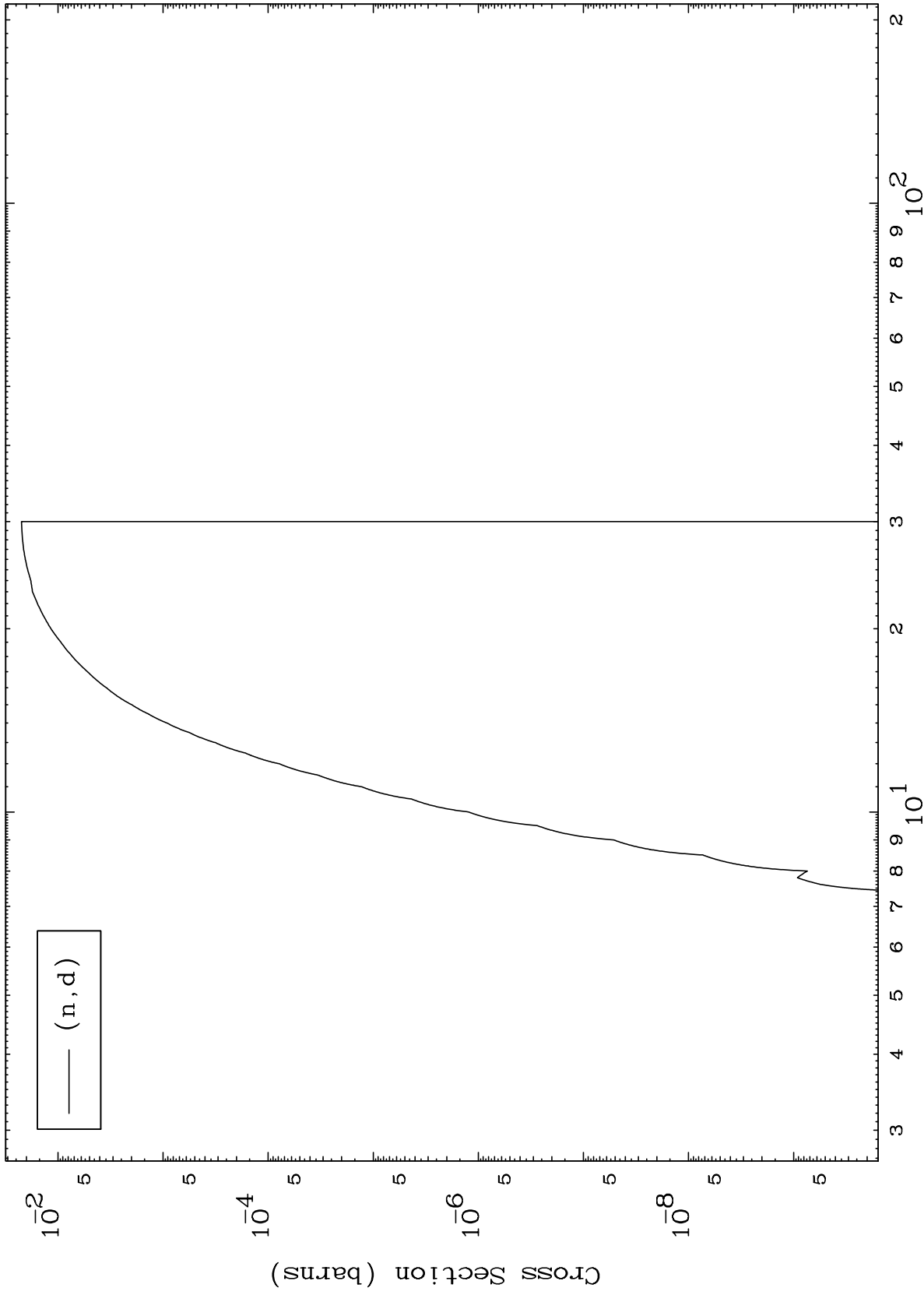
80-Hg-191

— (n, p)

MAT 8010

(n,d) Levels
293 Kelvin Cross Sections

80-Hg-191

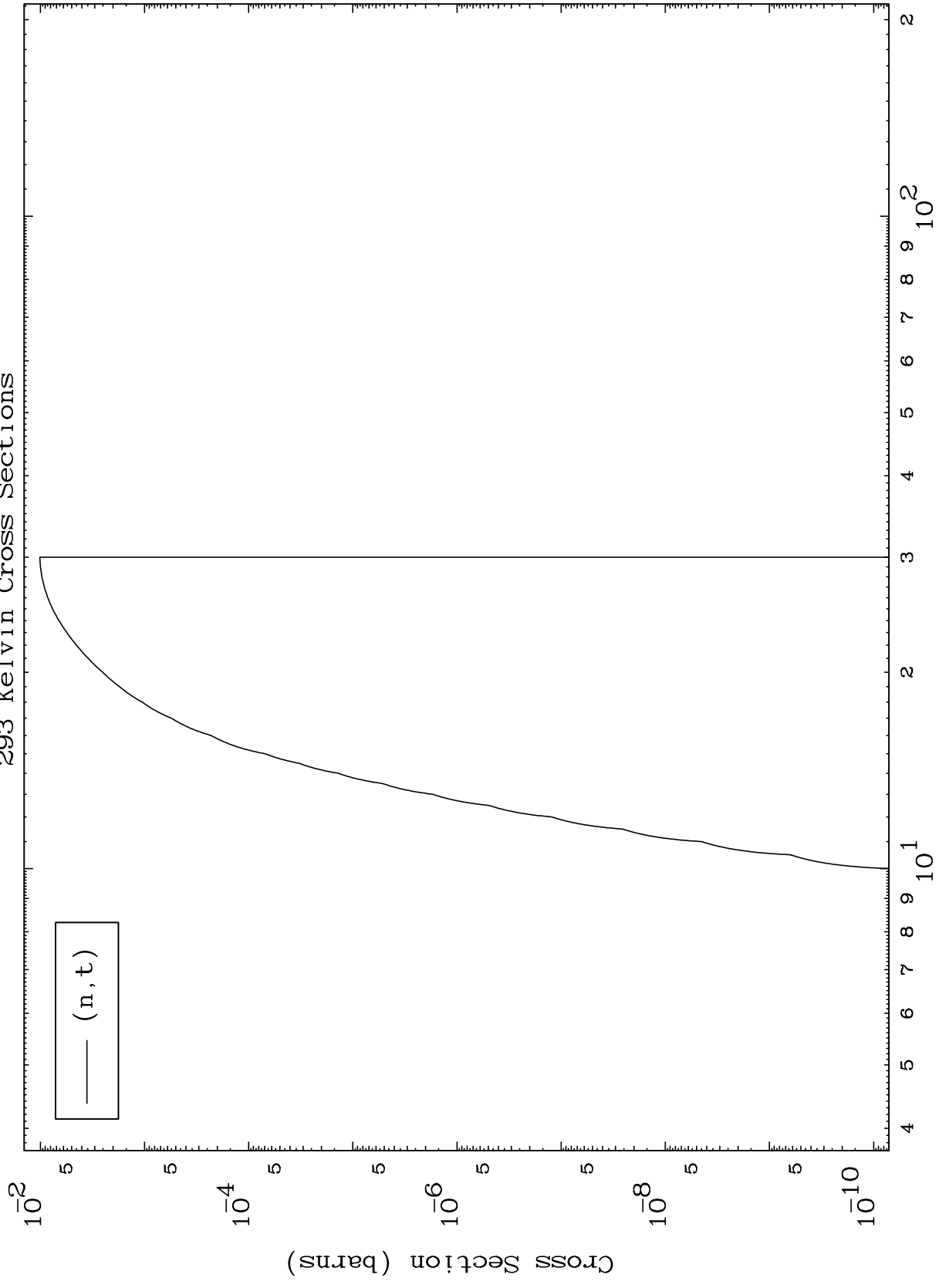


(n,d)

MAT 8010

(n,t) Levels
293 Kelvin Cross Sections

80-Hg-191



12

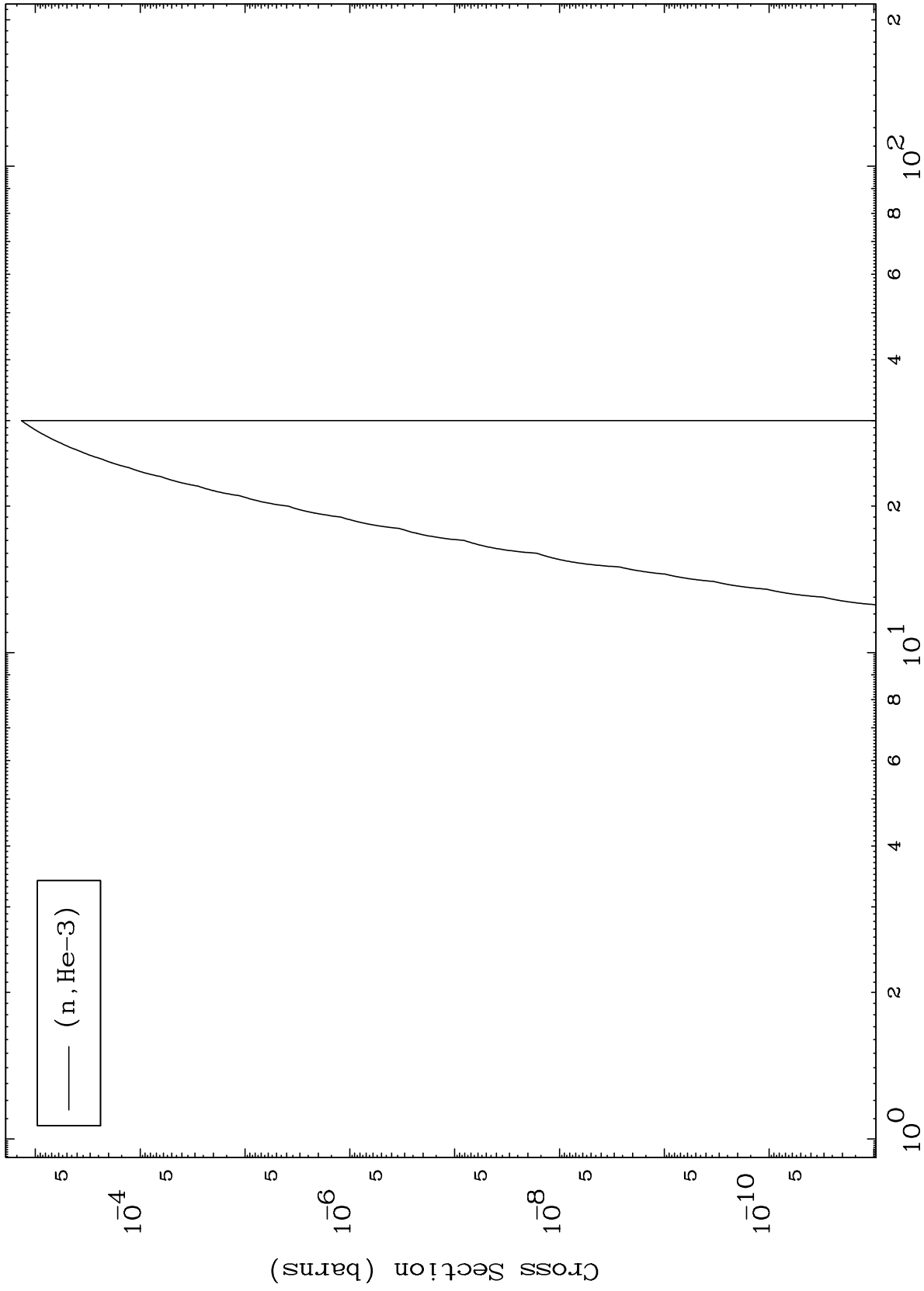
Incident Energy (MeV)

80-Hg-191

MAT 8010

(n,He3) Levels
293 Kelvin Cross Sections

80-Hg-191



13

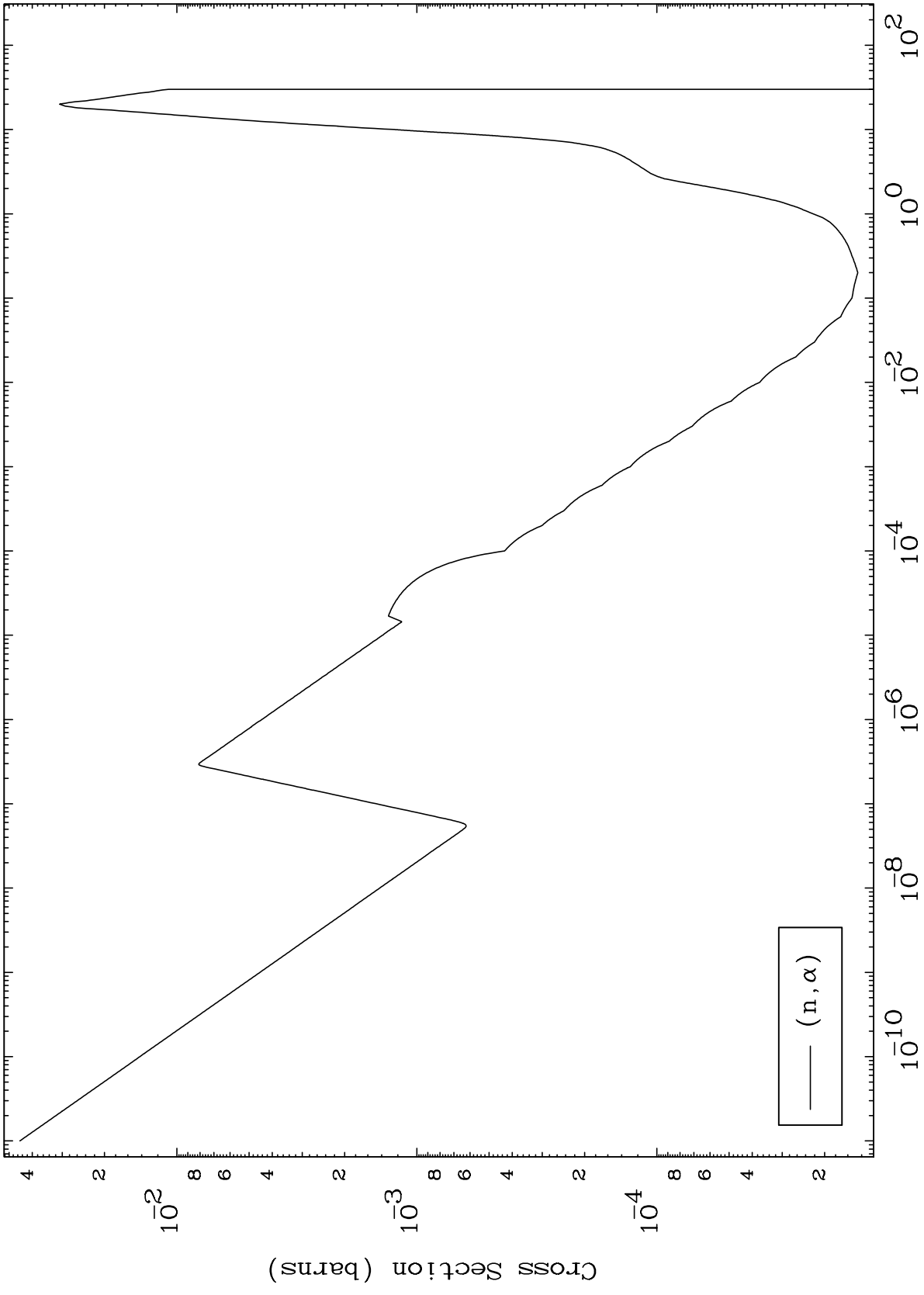
Incident Energy (MeV)

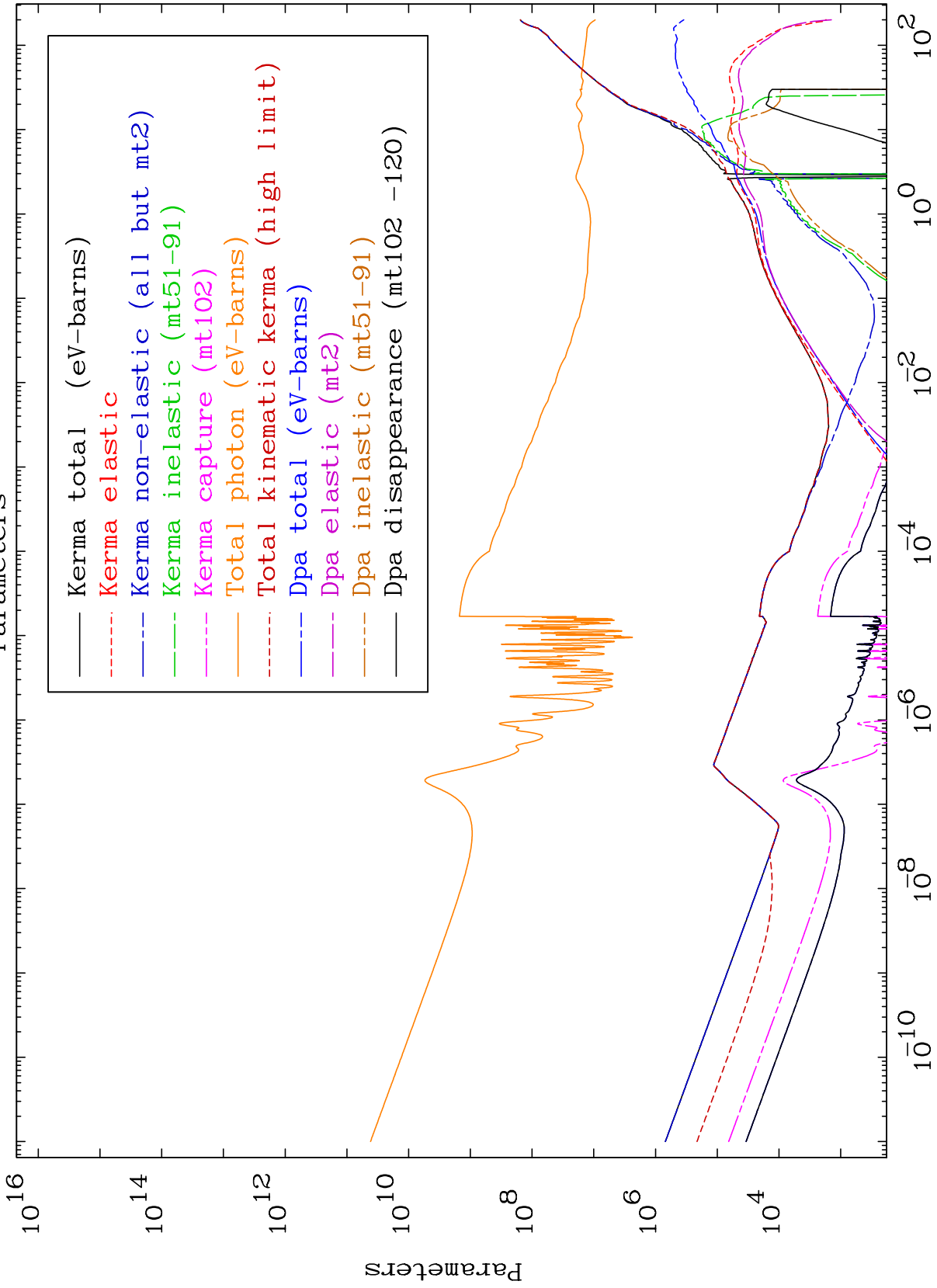
80-Hg-191

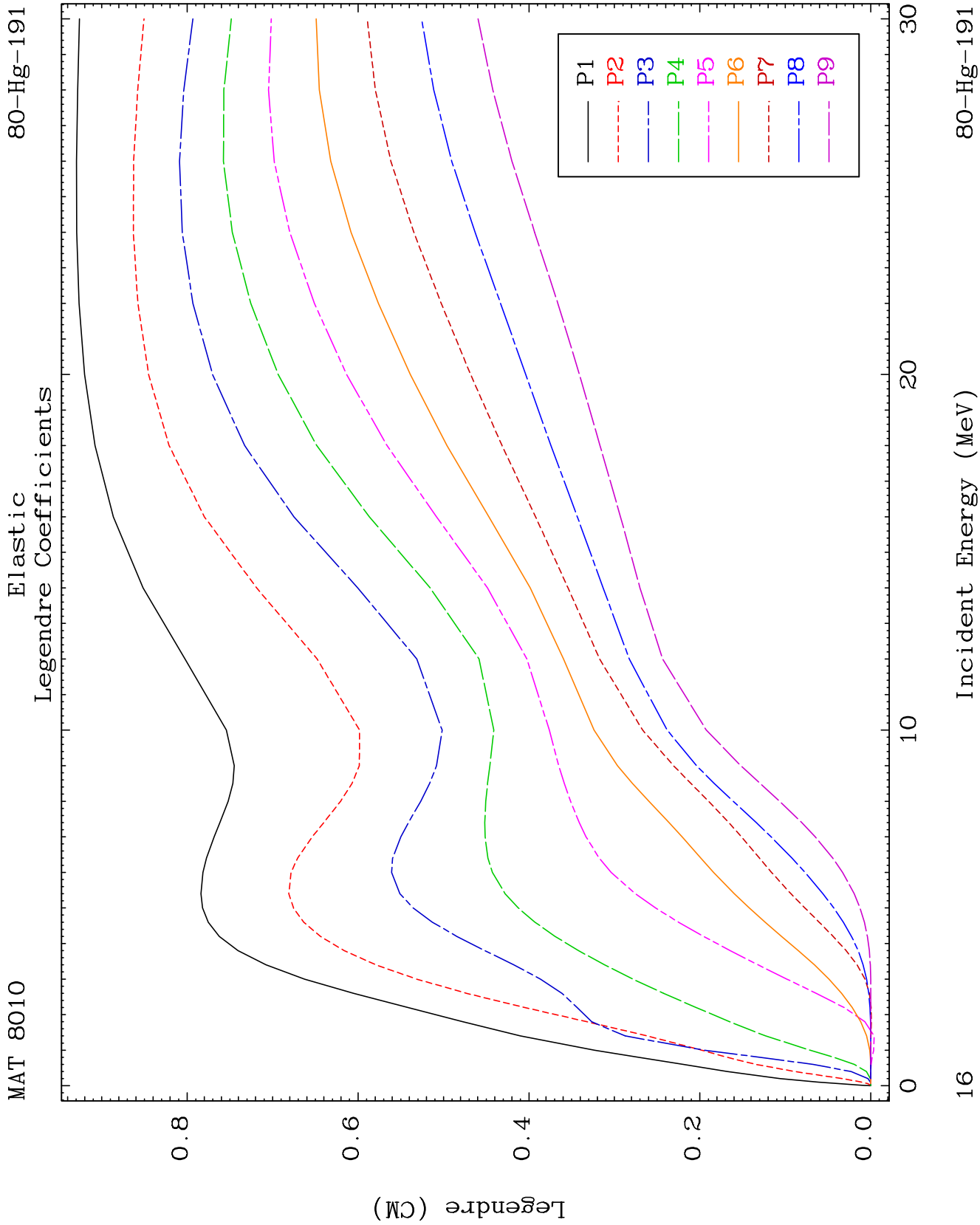
MAT 8010

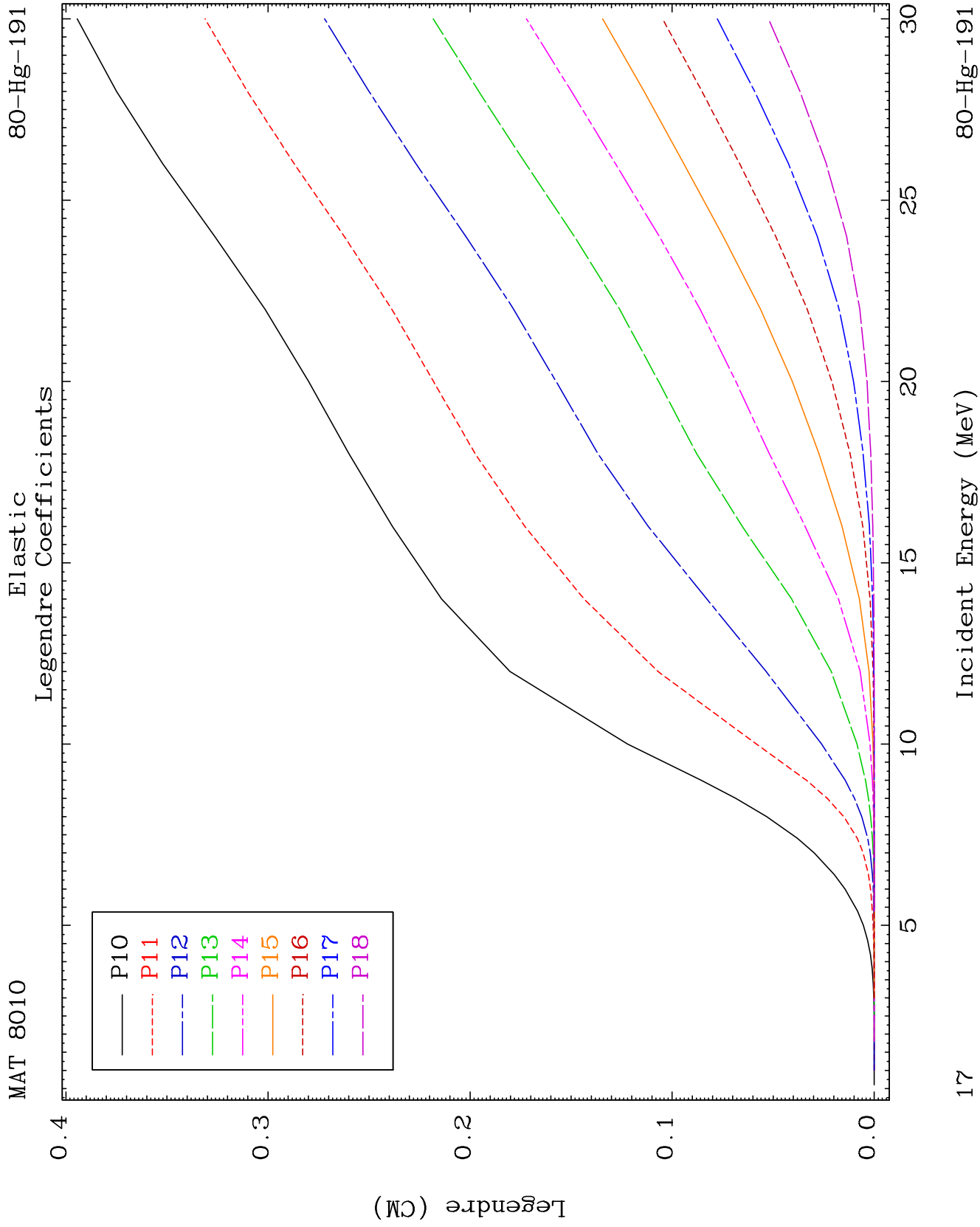
(n,α) Levels
293 Kelvin Cross Sections

80-Hg-191





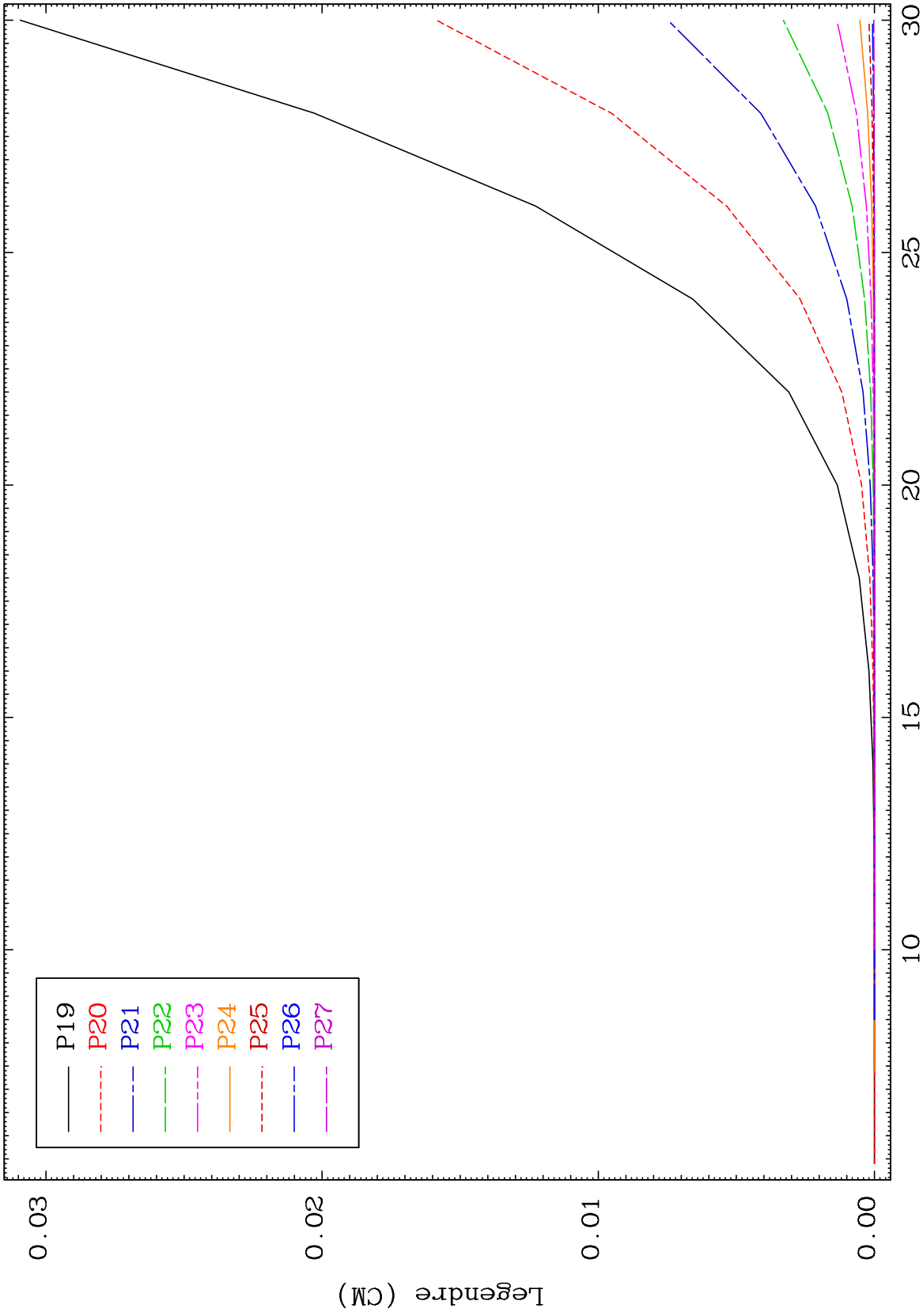




MAT 8010

Elastic Legendre Coefficients

80-Hg-191



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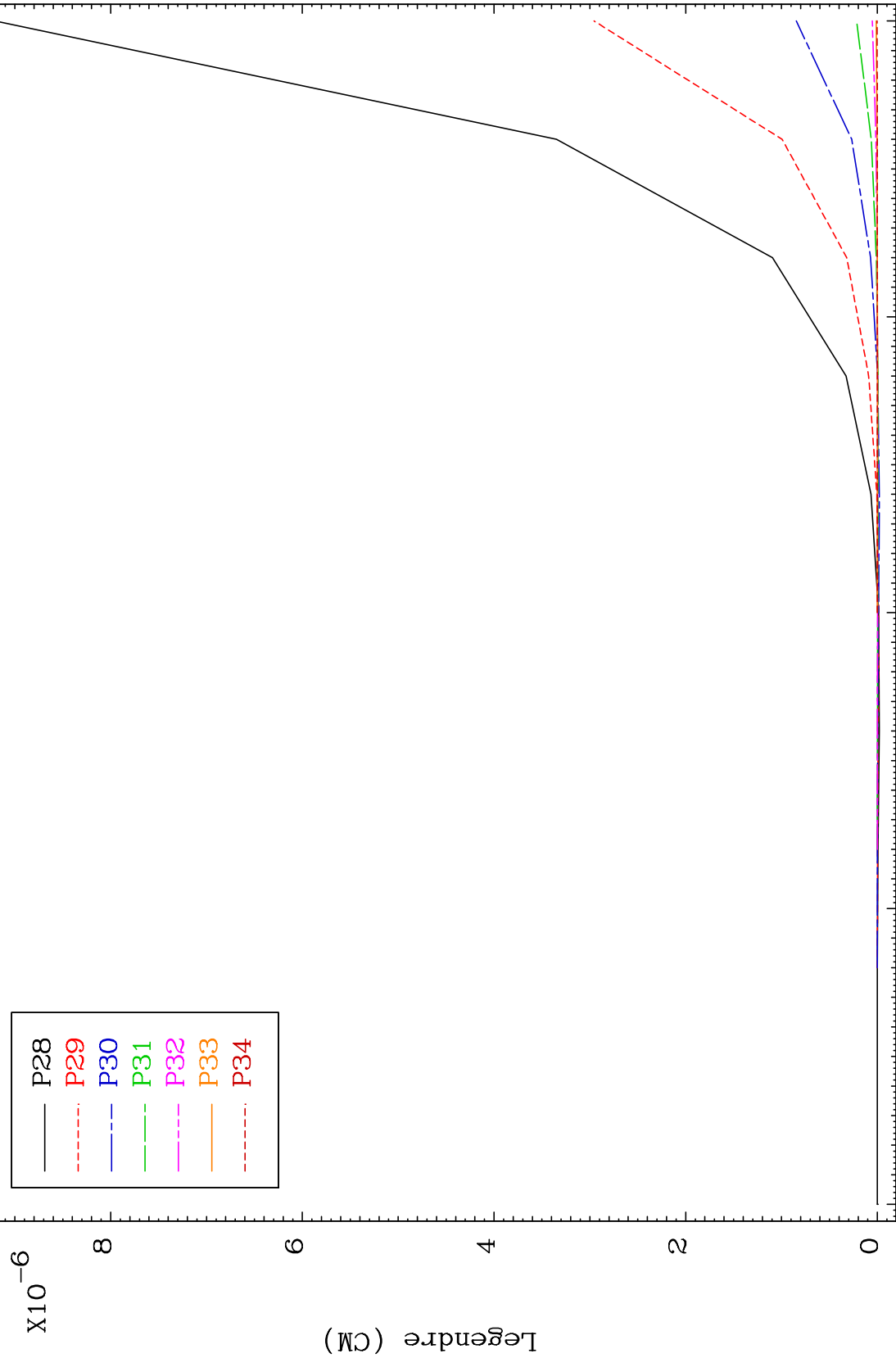
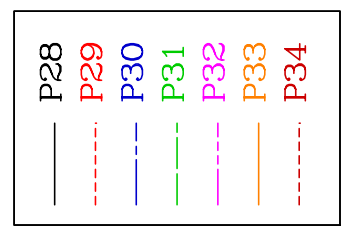
Incident Energy (MeV)

80-Hg-191

MAT 8010

Elastic Legendre Coefficients

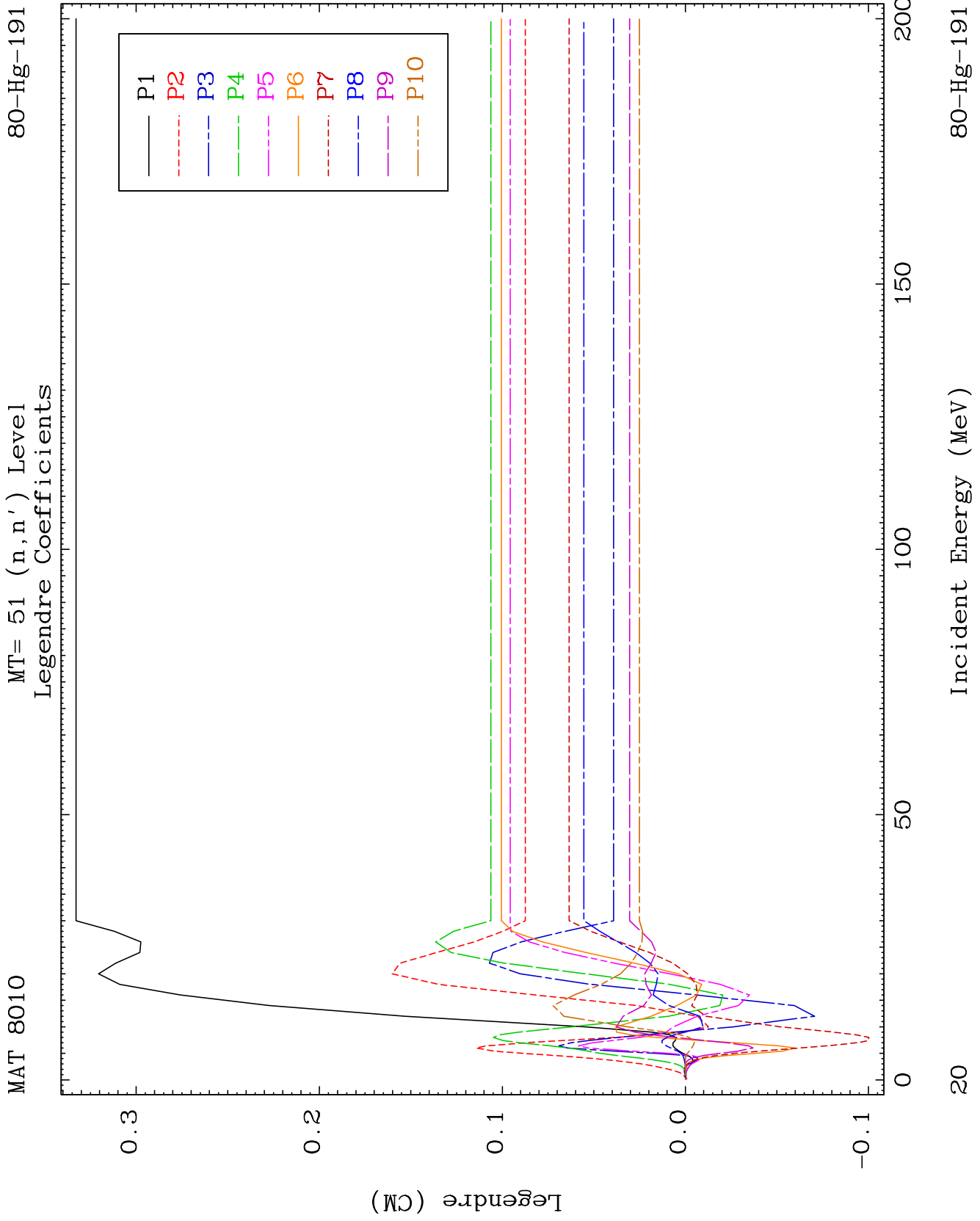
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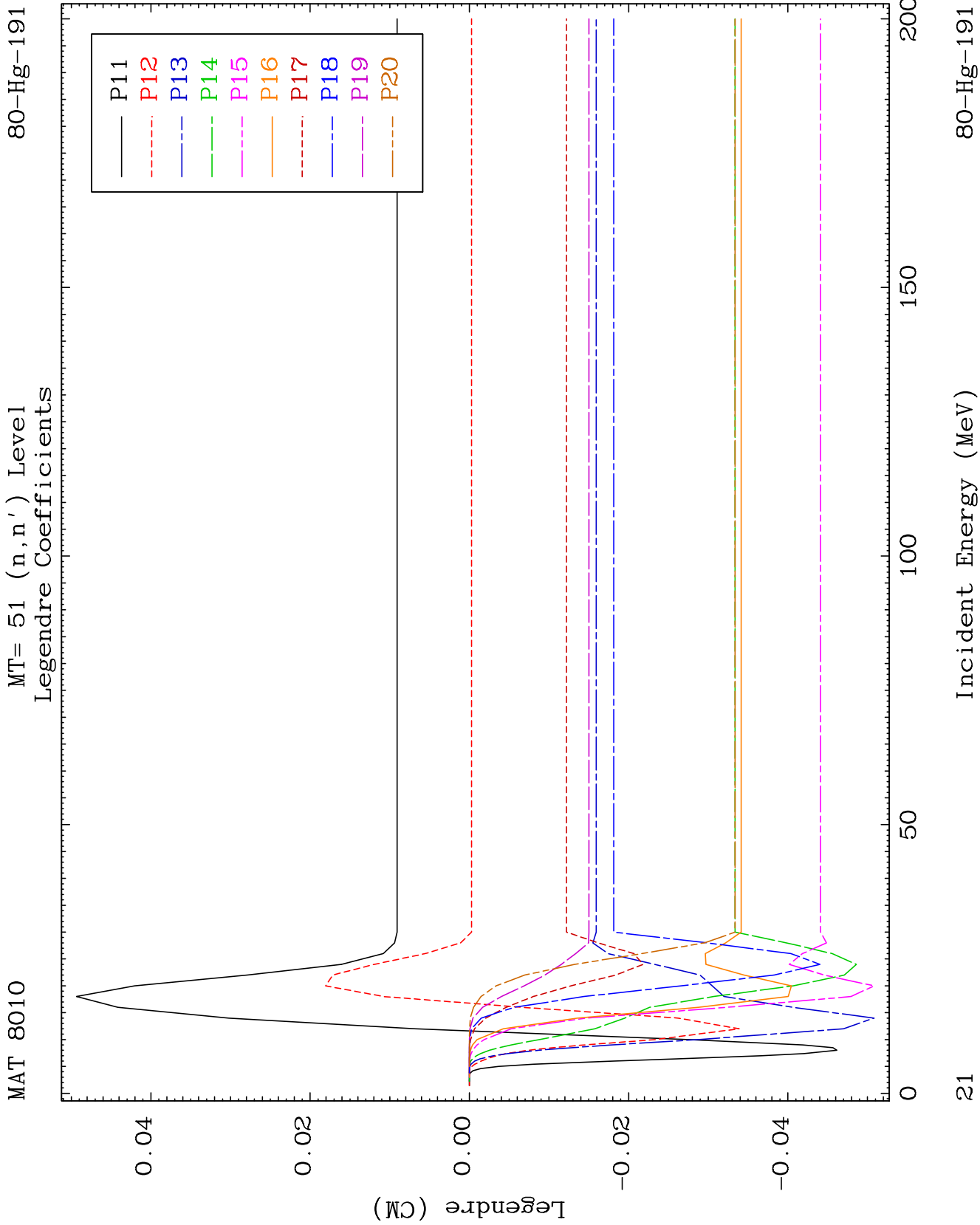


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Incident Energy (MeV)

80-Hg-191

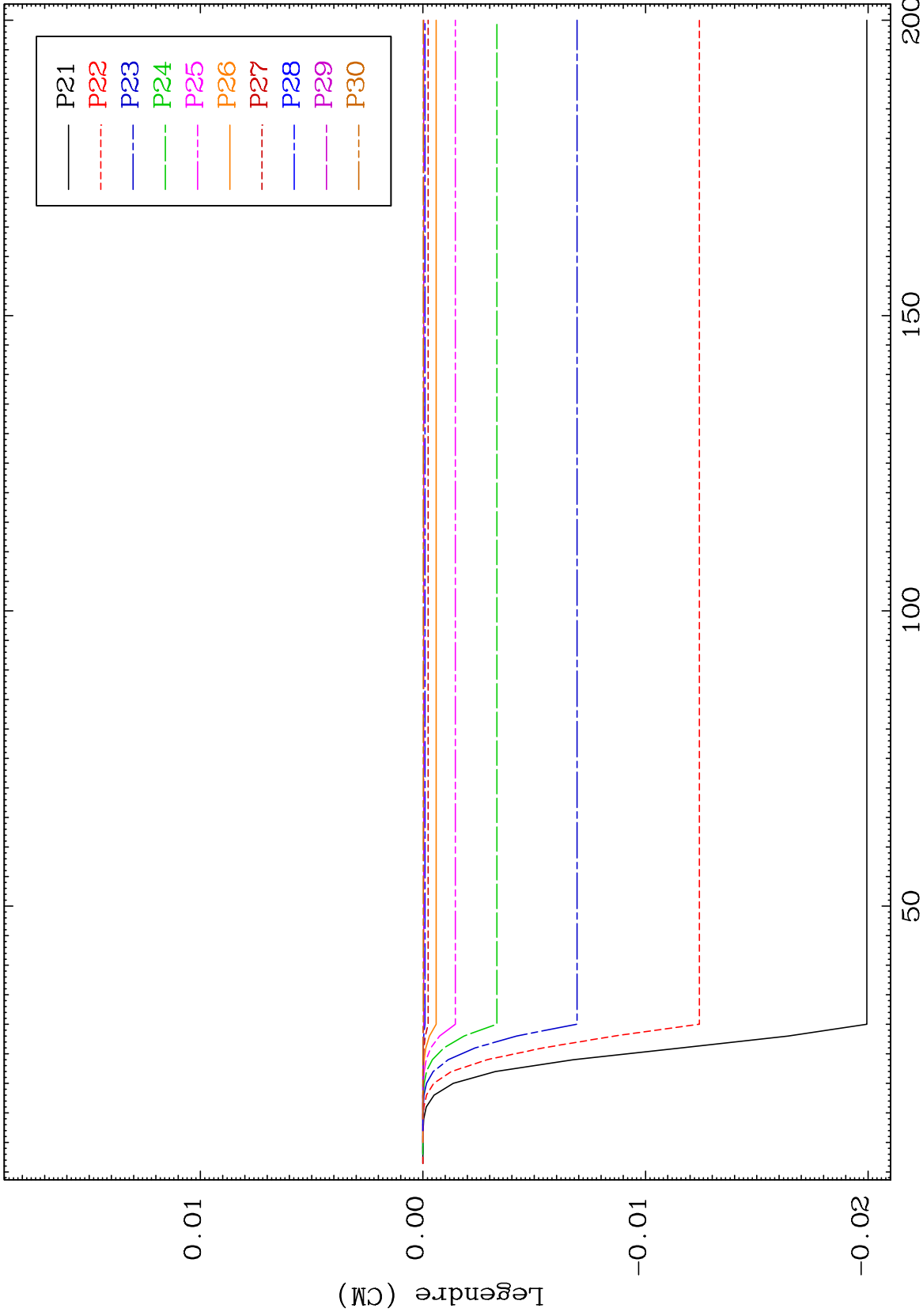




MAT 8010

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

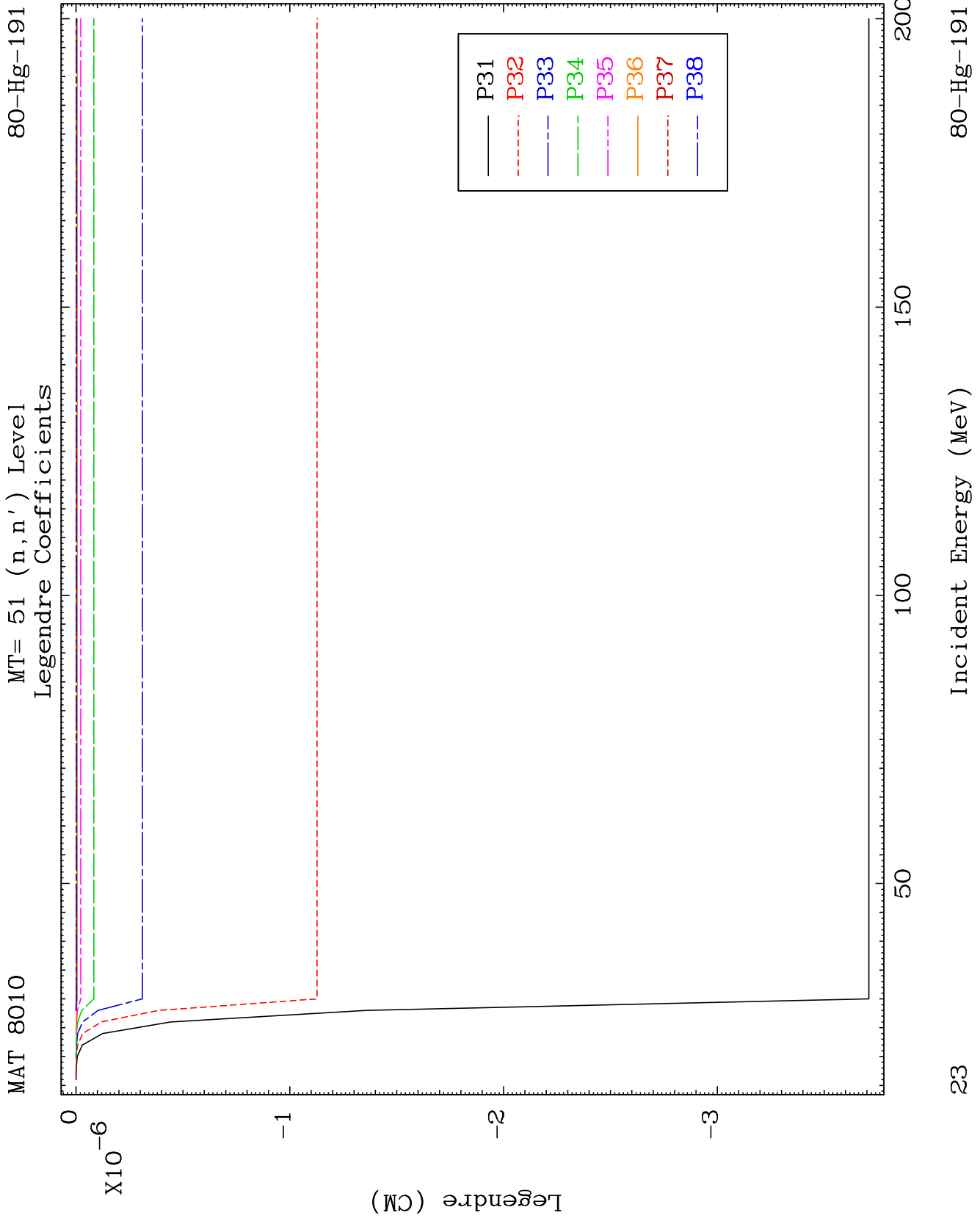
80-Hg-191



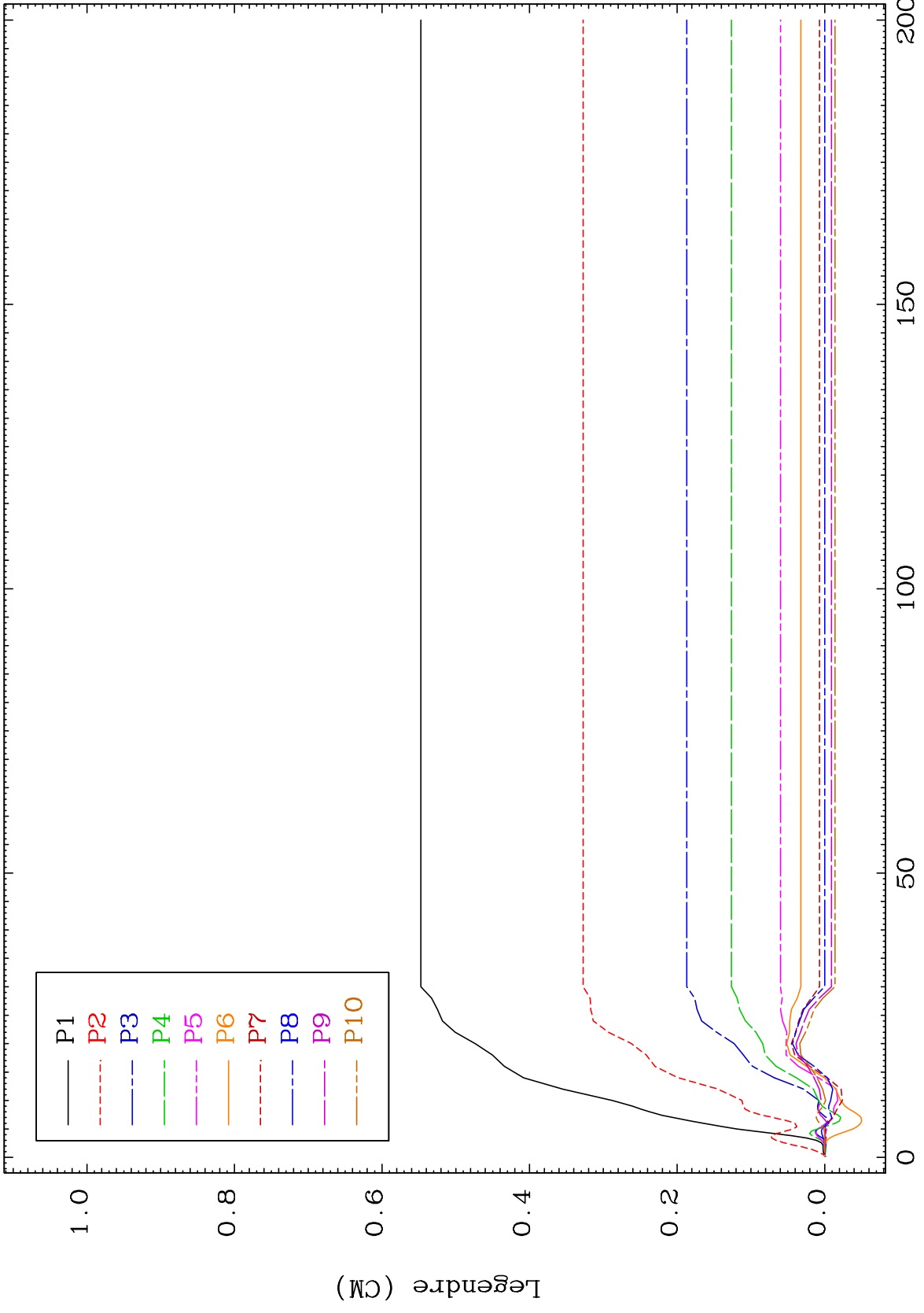
22

Incident Energy (MeV)

80-Hg-191



MAT 8010 MT= 52 (n,n') Level Legendre Coefficients 80-Hg-191

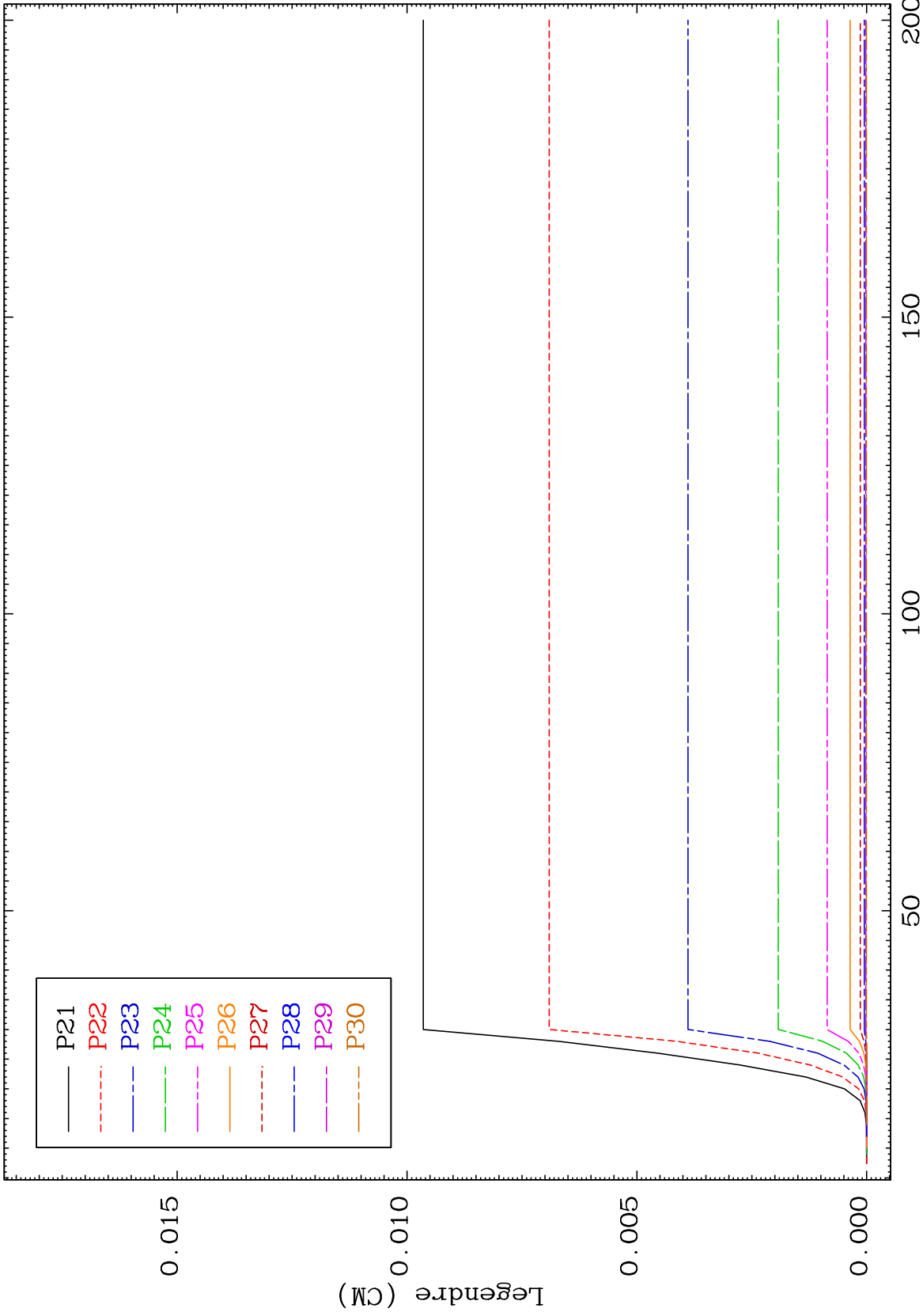


Legendre (CM) Incident Energy (MeV) 24 80-Hg-191

MAT 8010

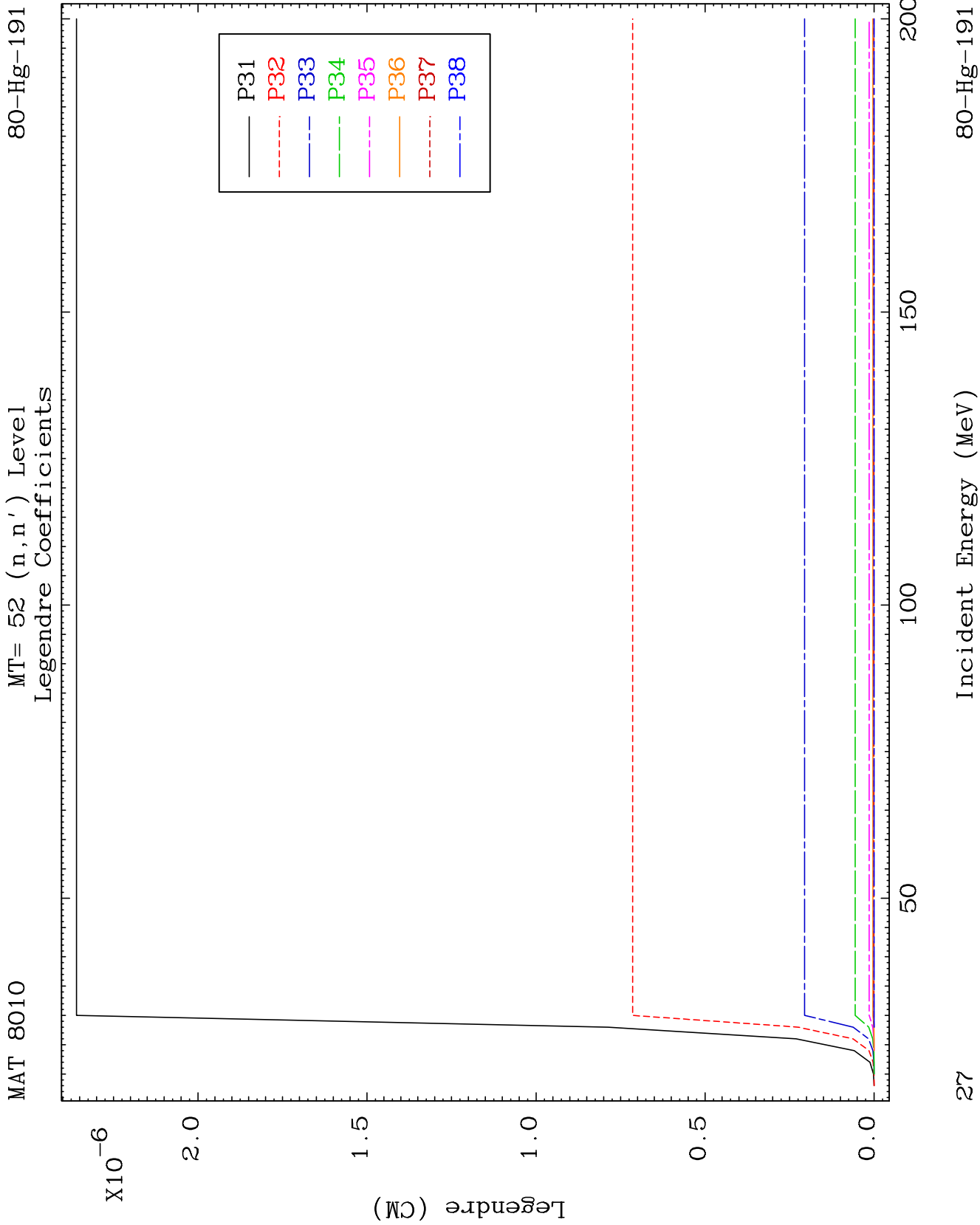
MT= 52 (n,n') Level
Legendre Coefficients

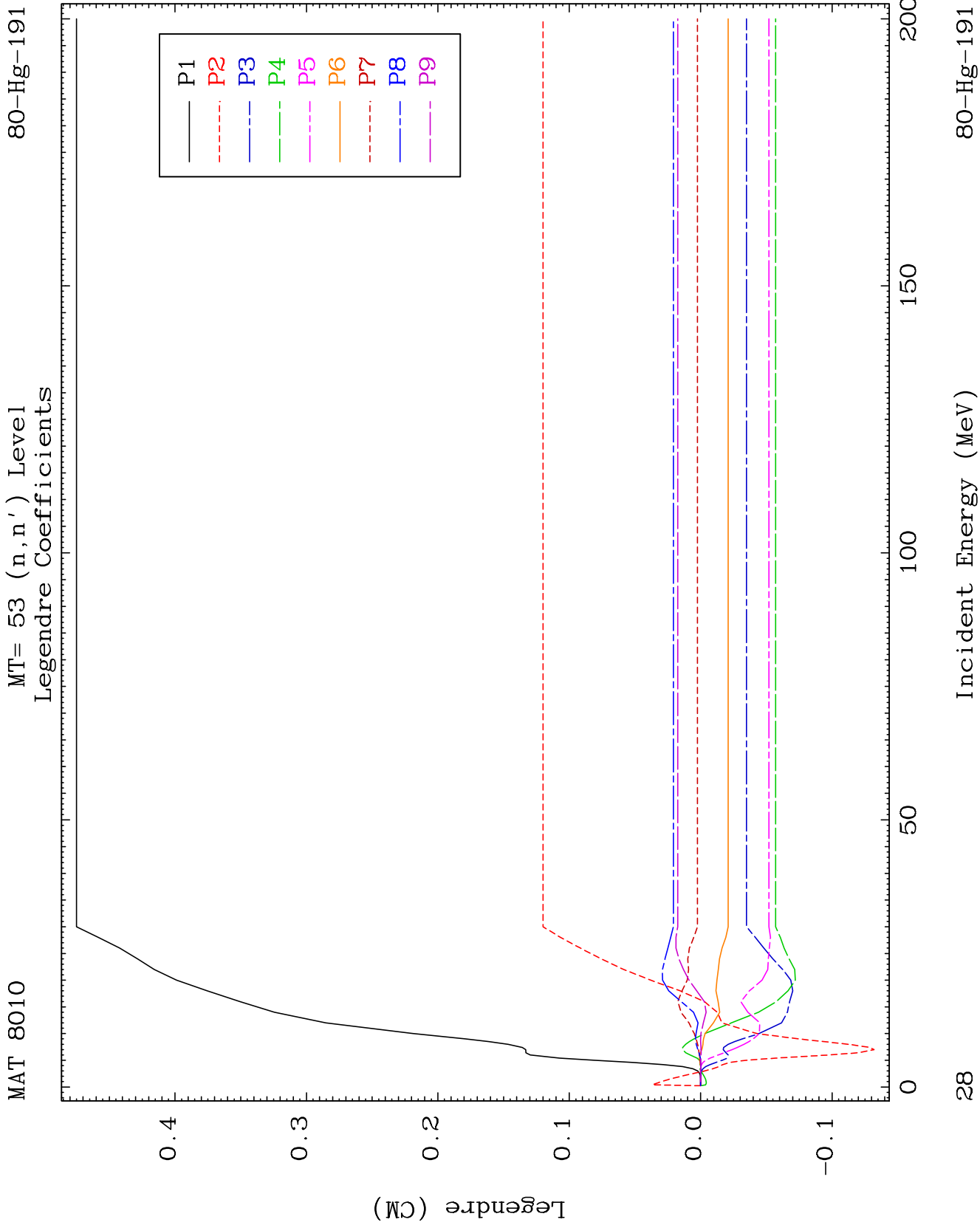
80-Hg-191



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80-Hg-191

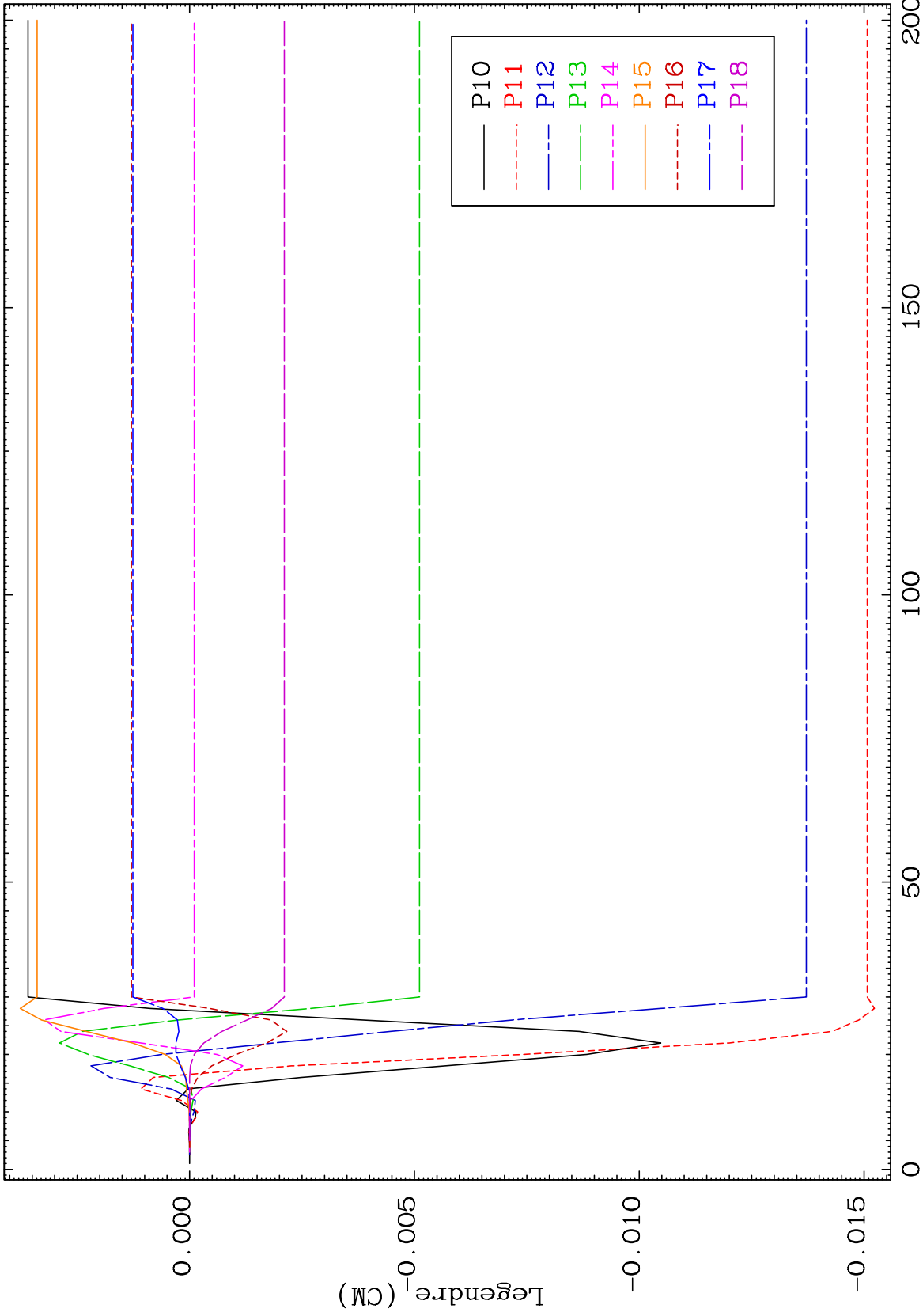




MAT 8010

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

80-Hg-191

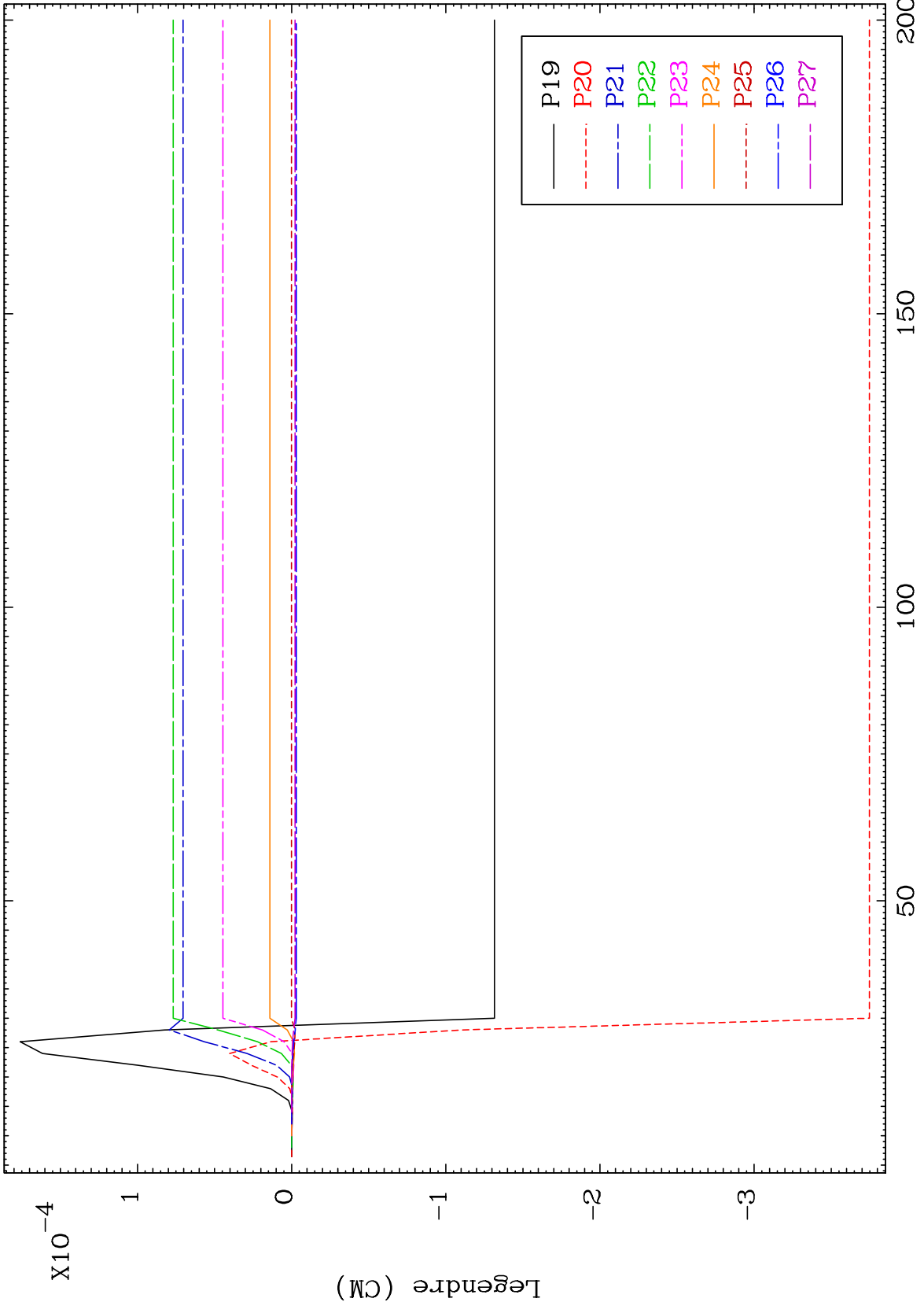


29

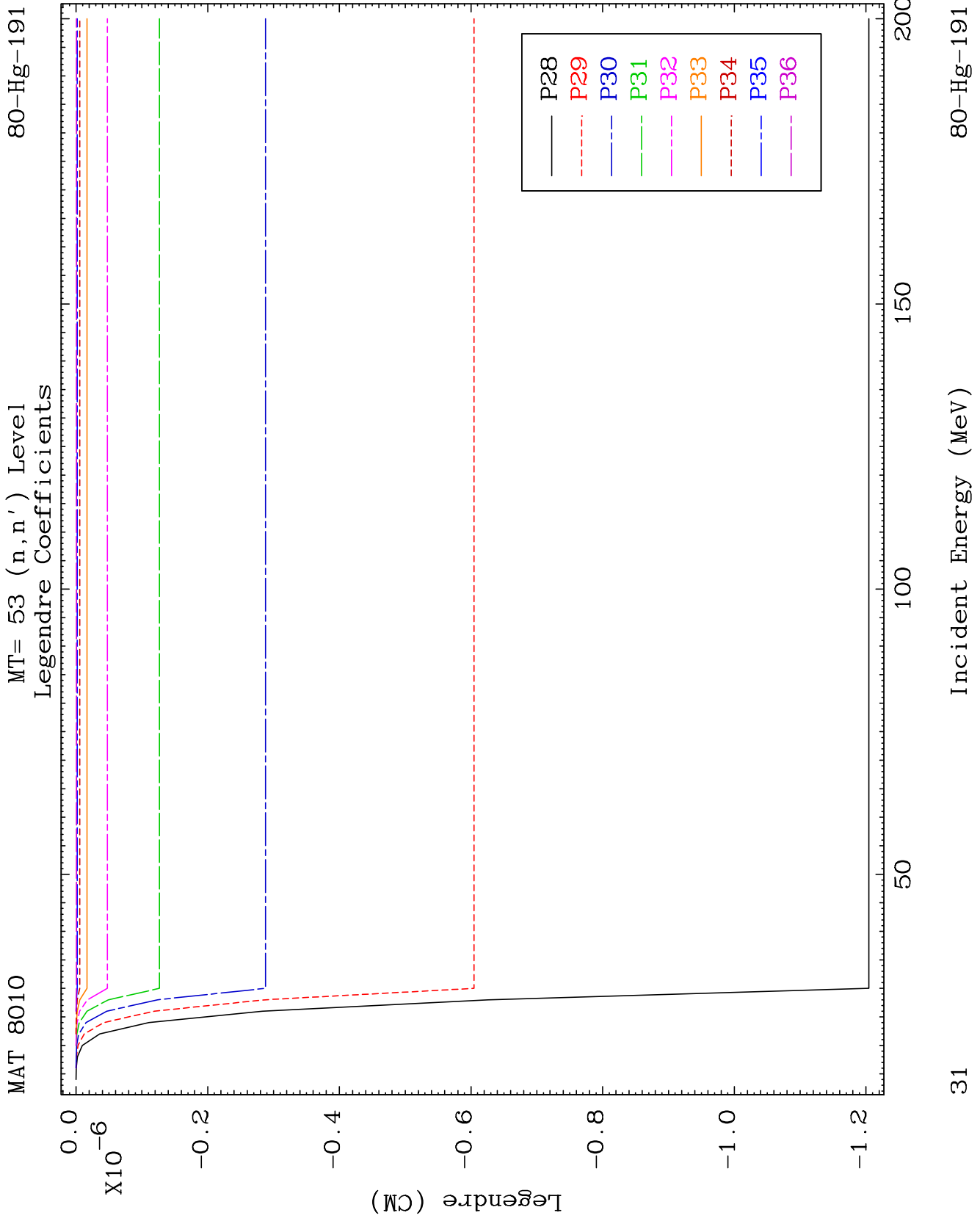
Incident Energy (MeV)

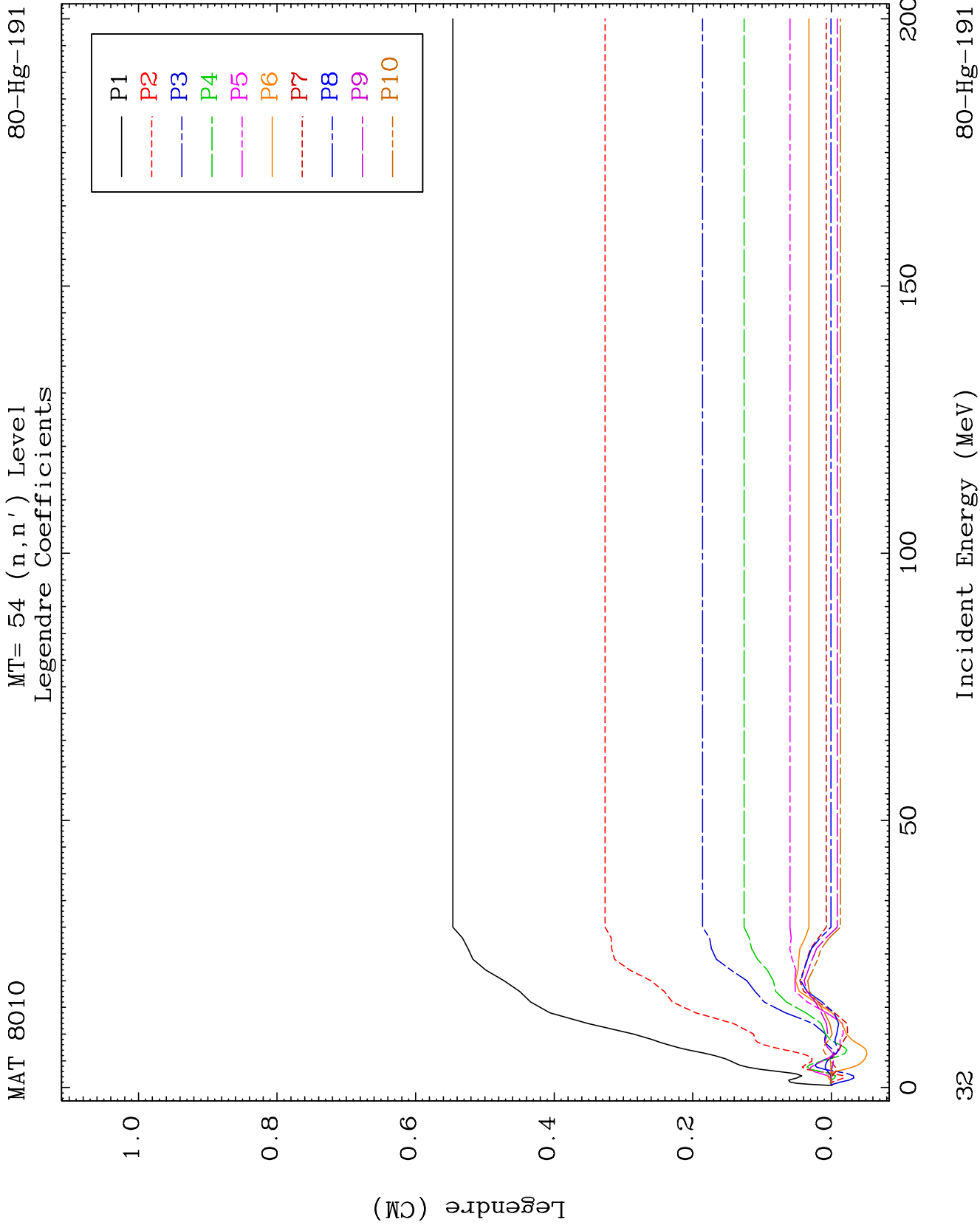
80-Hg-191

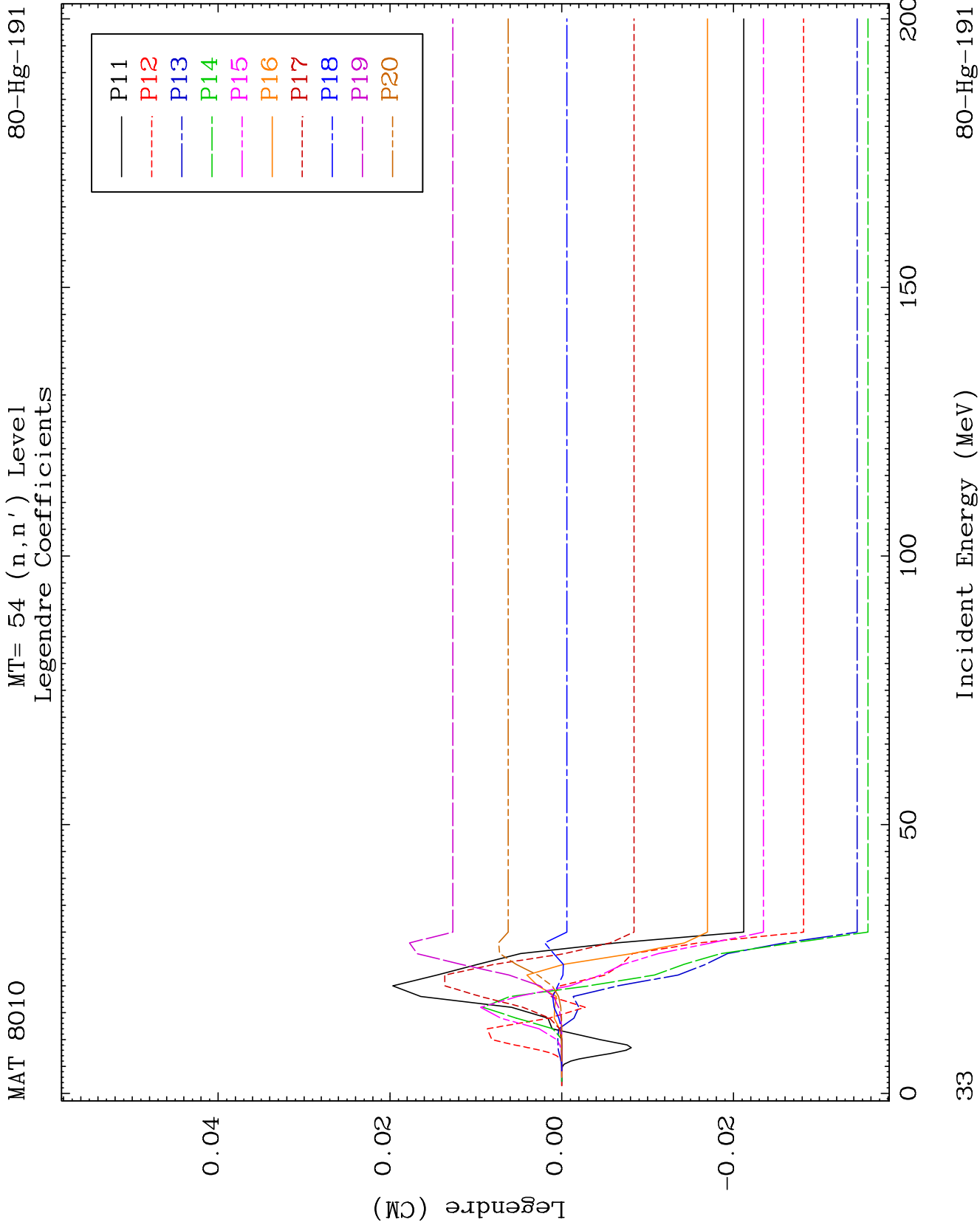
MAT 8010 MT= 53 (n,n') Level Legendre Coefficients 80-Hg-191



30 50 100 150 200 80-Hg-191



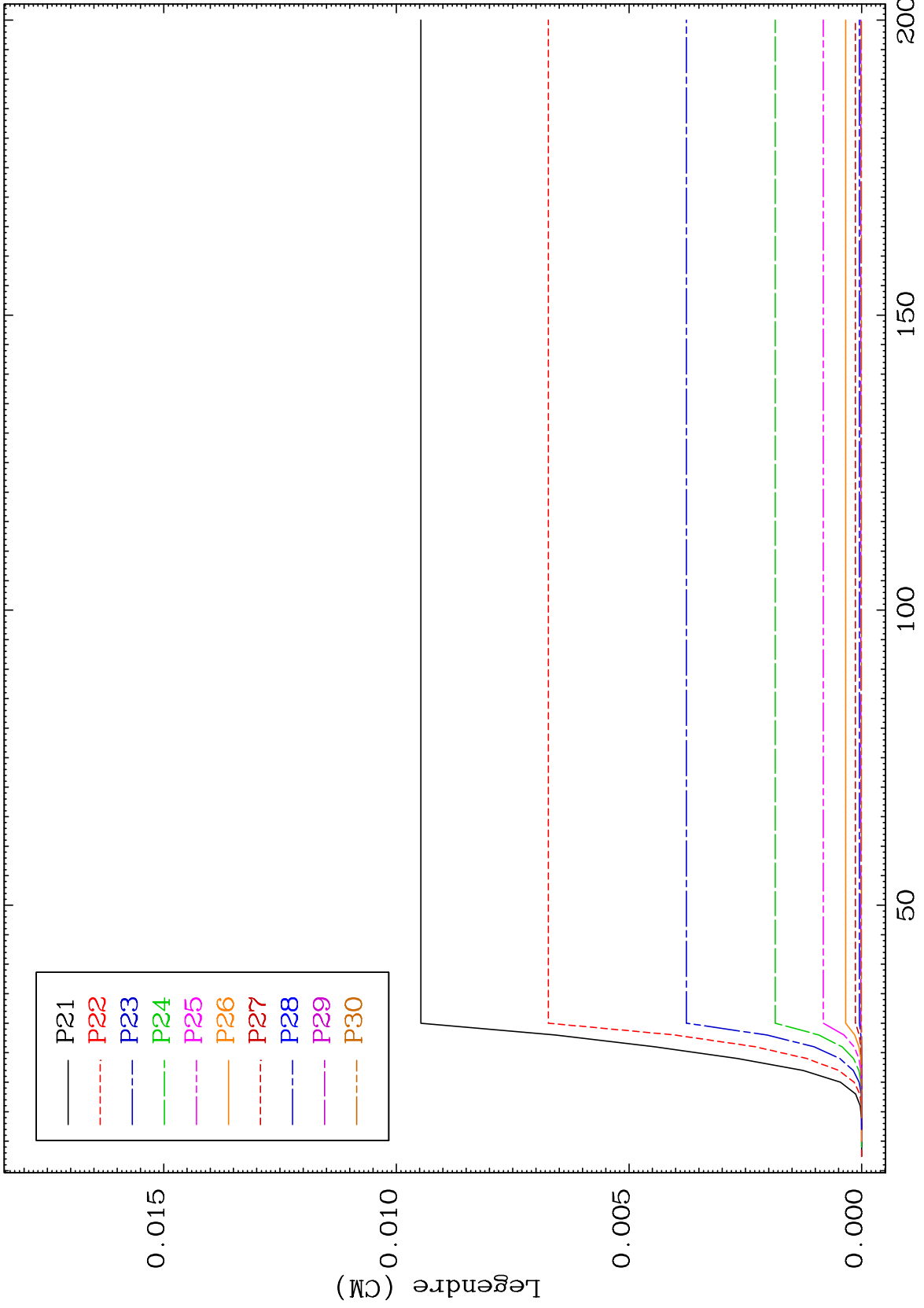




MAT 8010

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

80-Hg-191

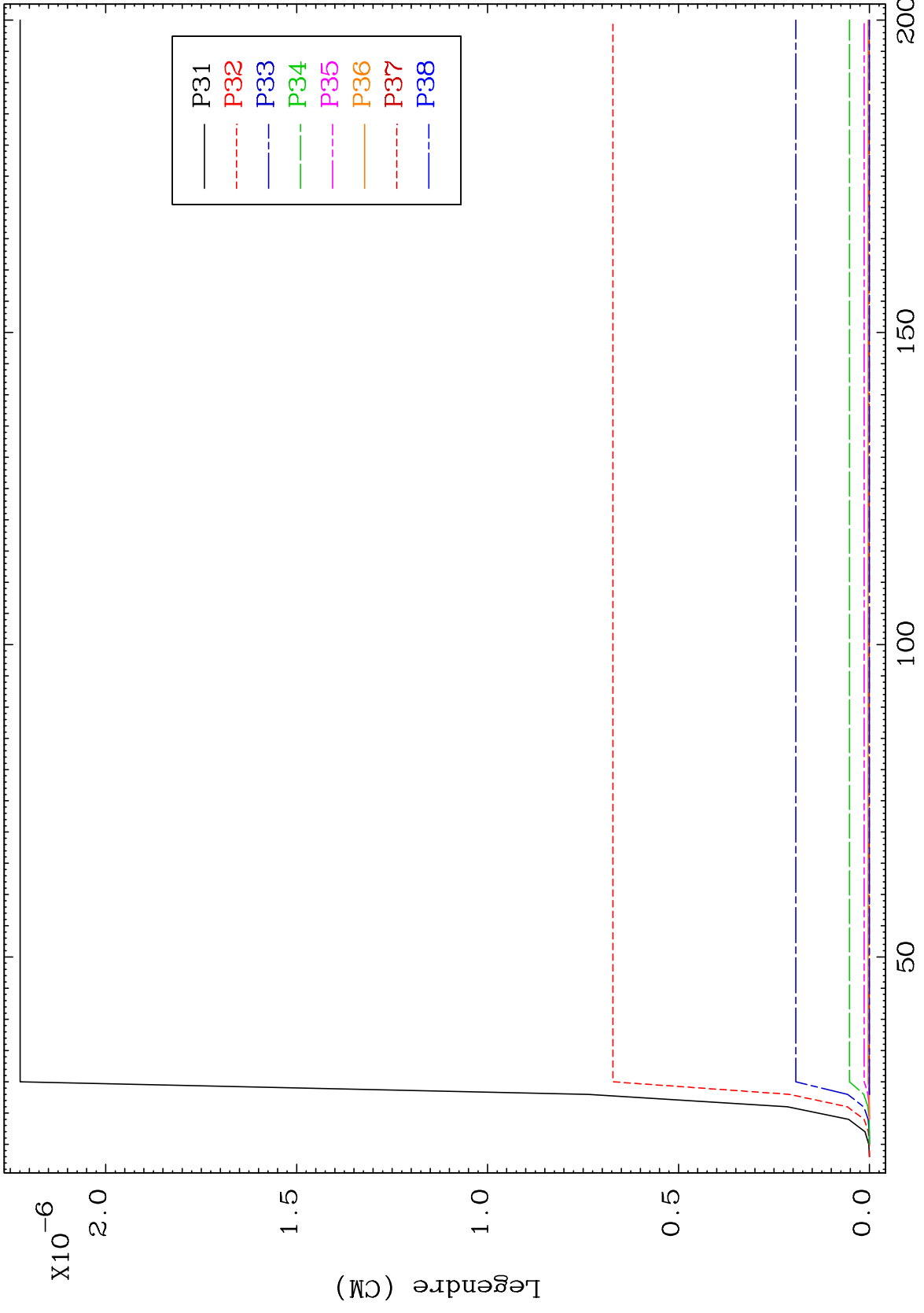


34

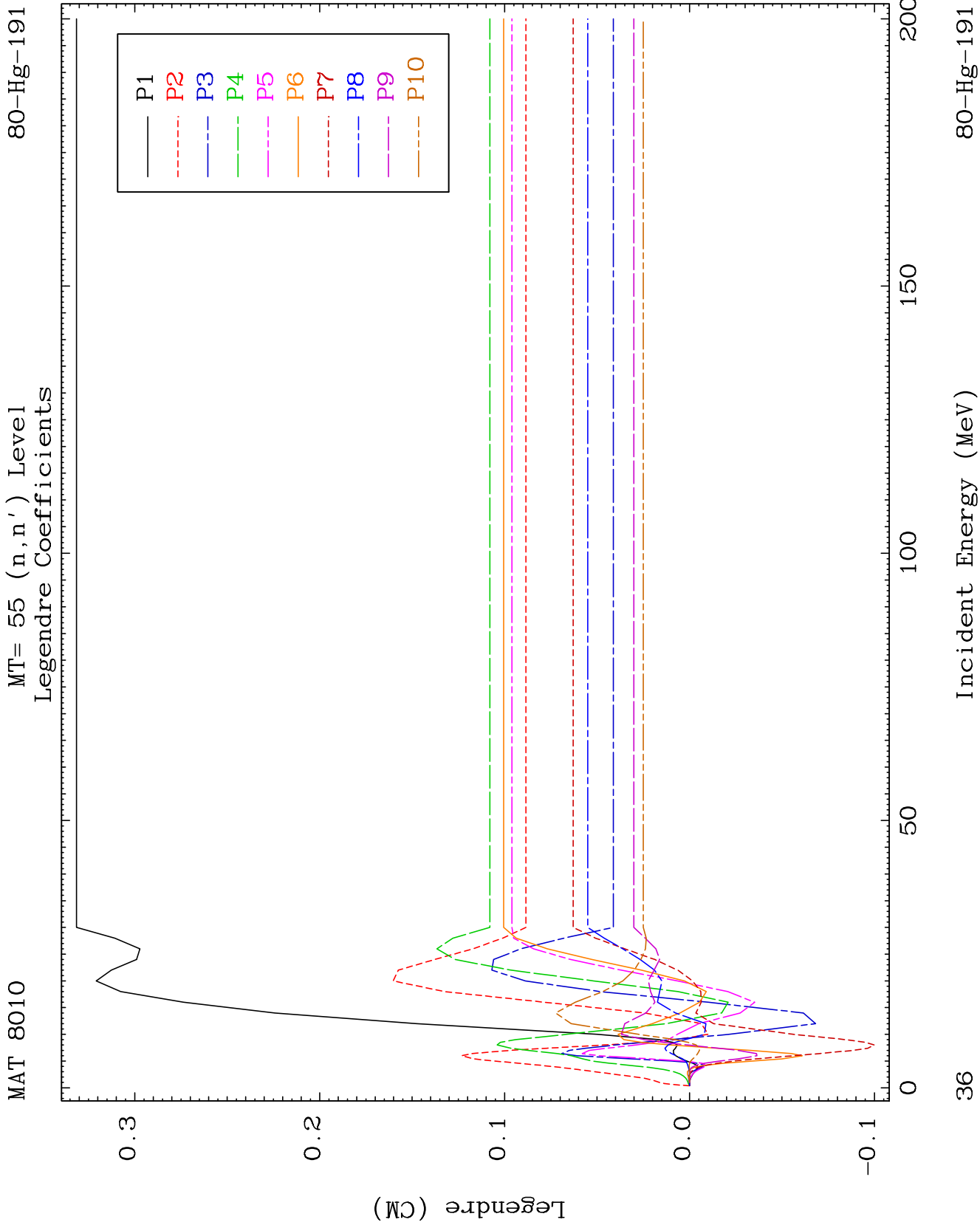
Incident Energy (MeV)

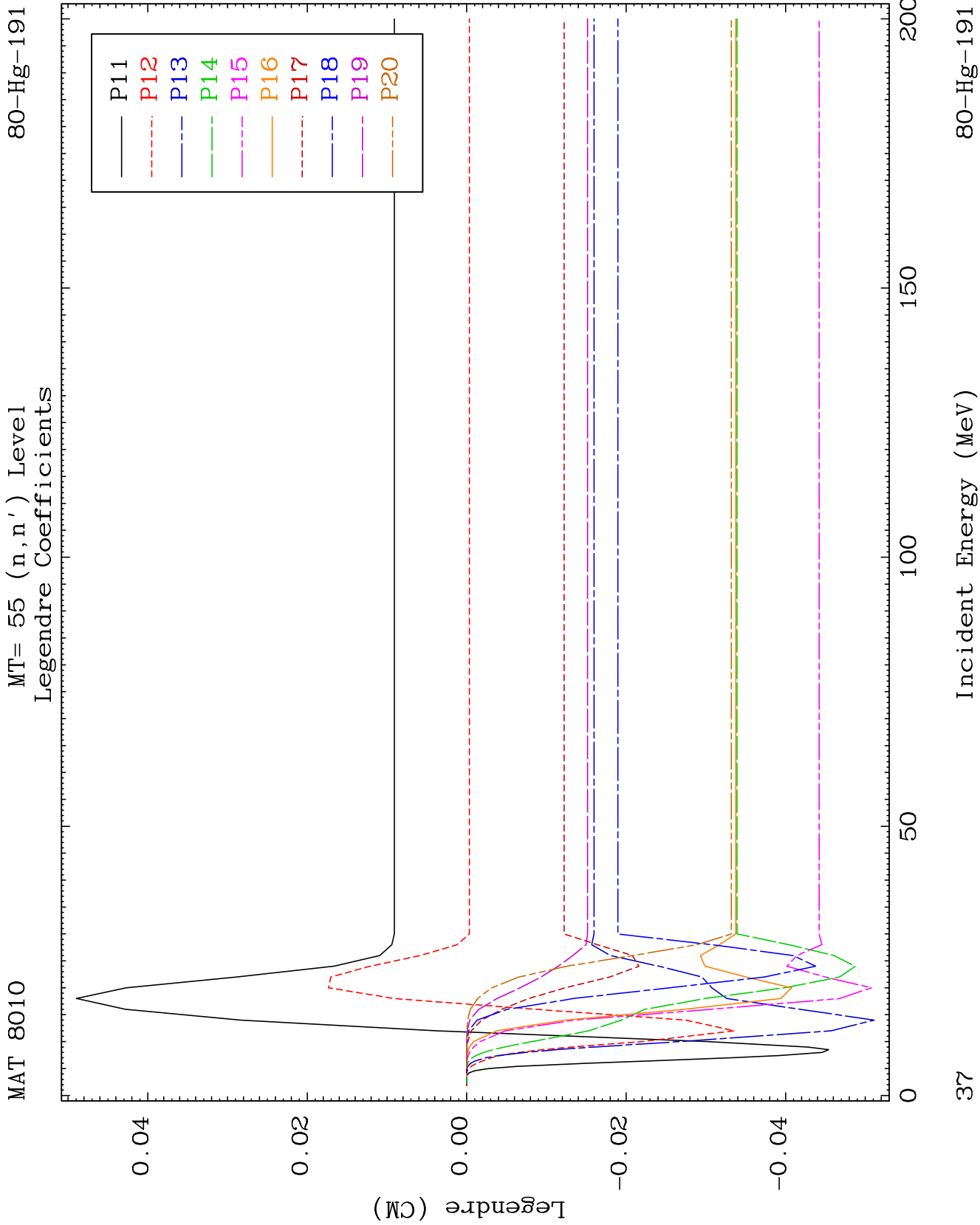
80-Hg-191

MAT 8010 MT= 54 (n,n') Level Legendre Coefficients 80-Hg-191

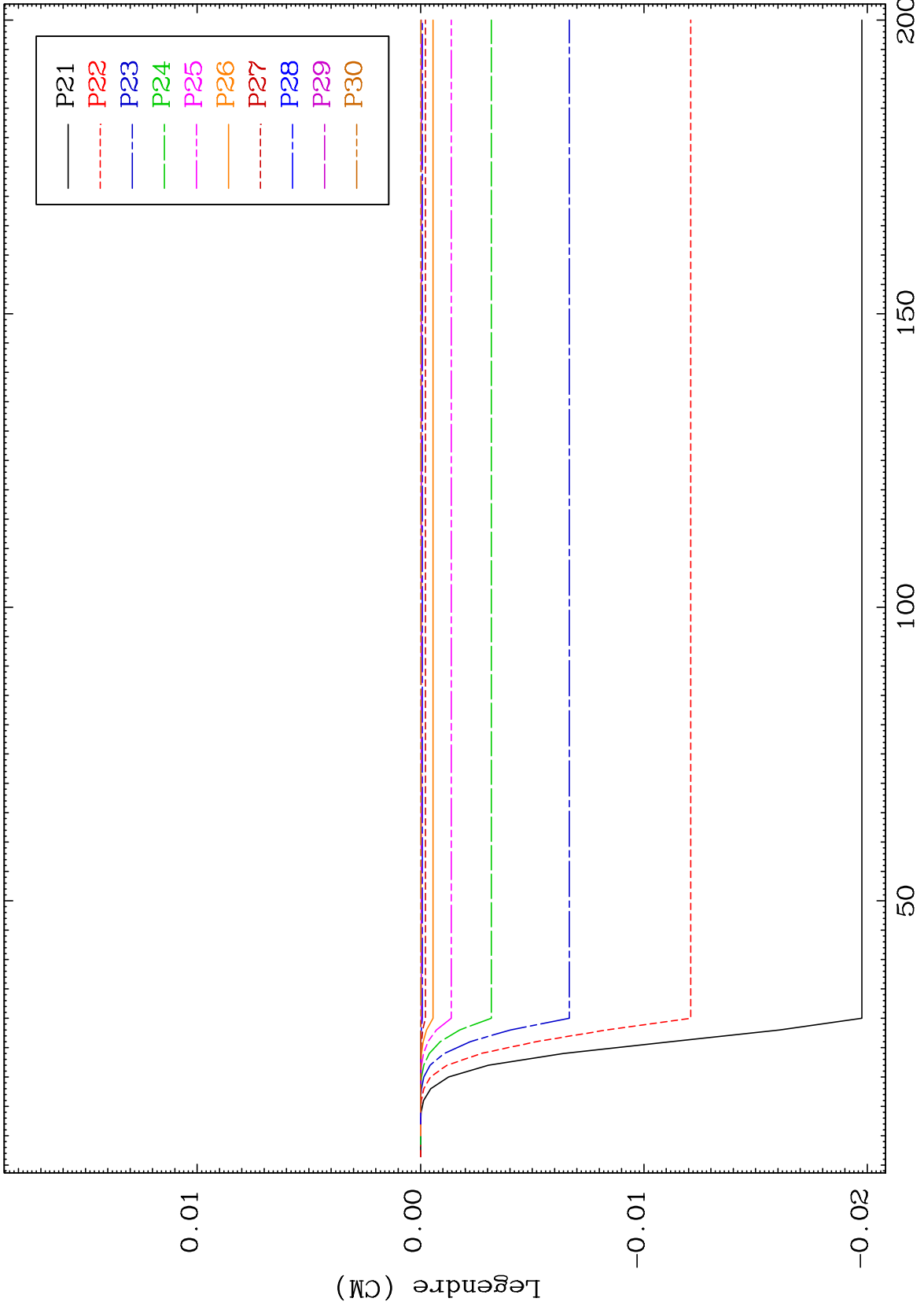


35 50 100 150 200 80-Hg-191

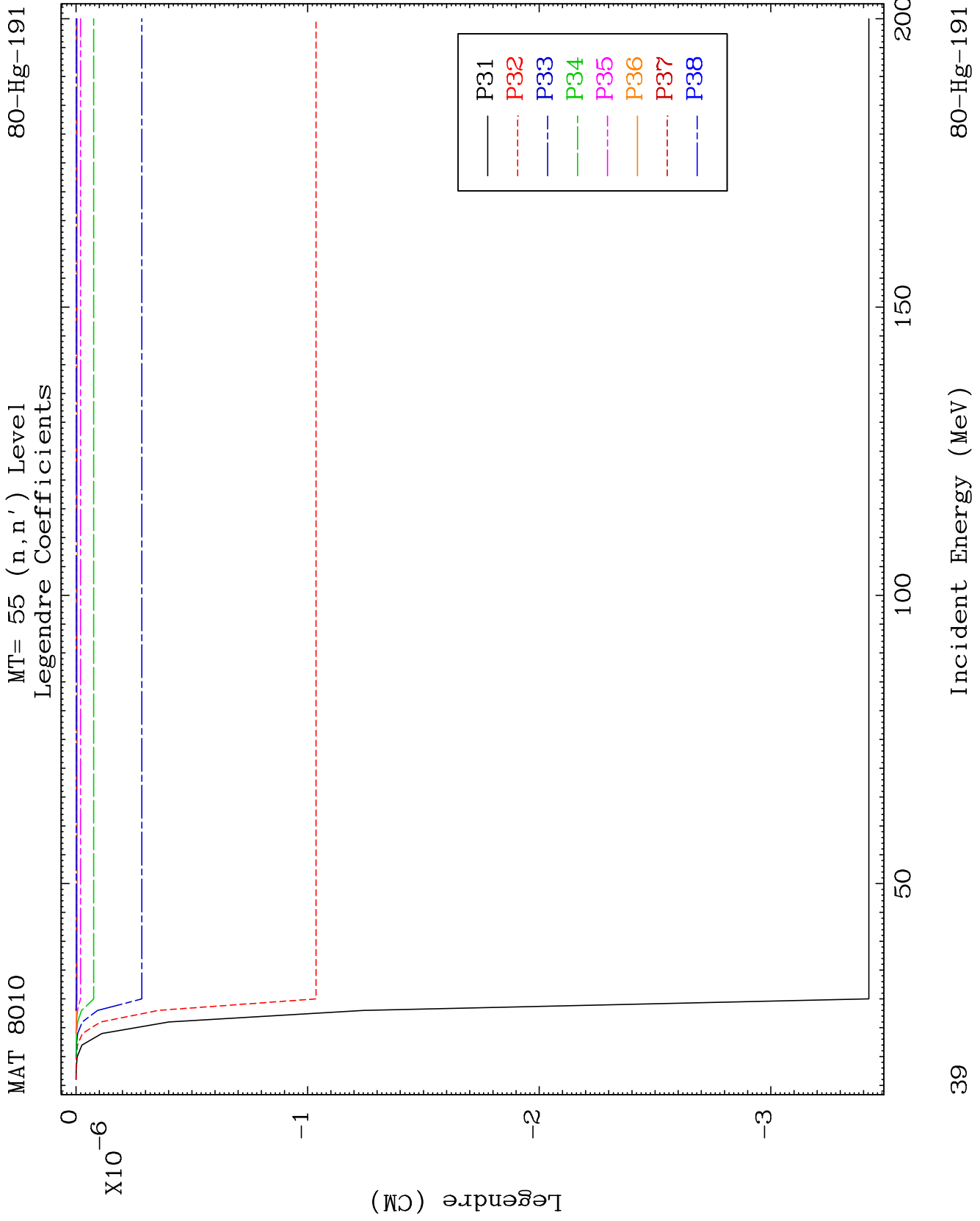




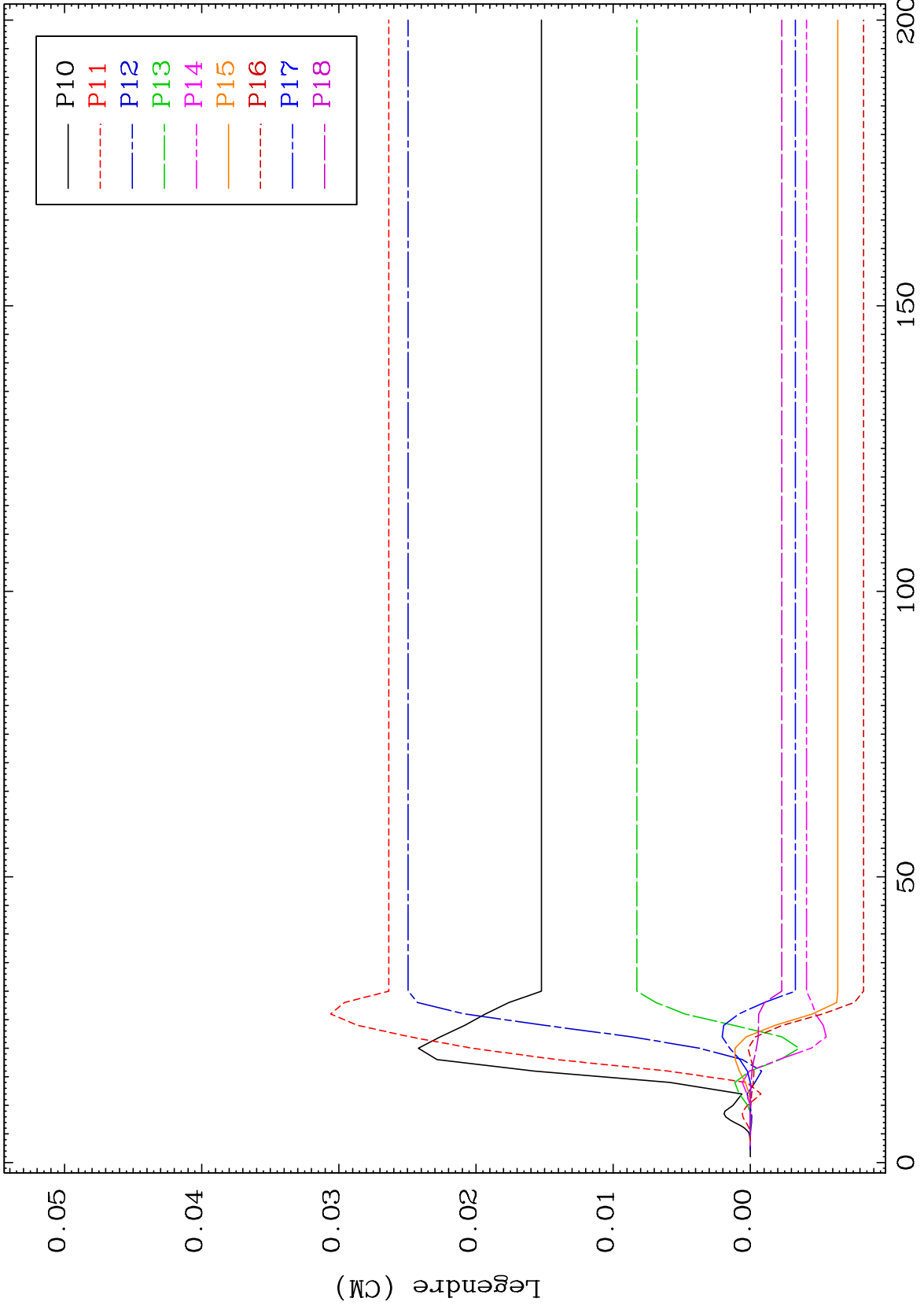
MAT 8010 MT= 55 (n,n') Level Legendre Coefficients 80-Hg-191



38 Incident Energy (MeV) 80-Hg-191



MAT 8010 MT= 56 (n,n') Level Legendre Coefficients 80-Hg-191

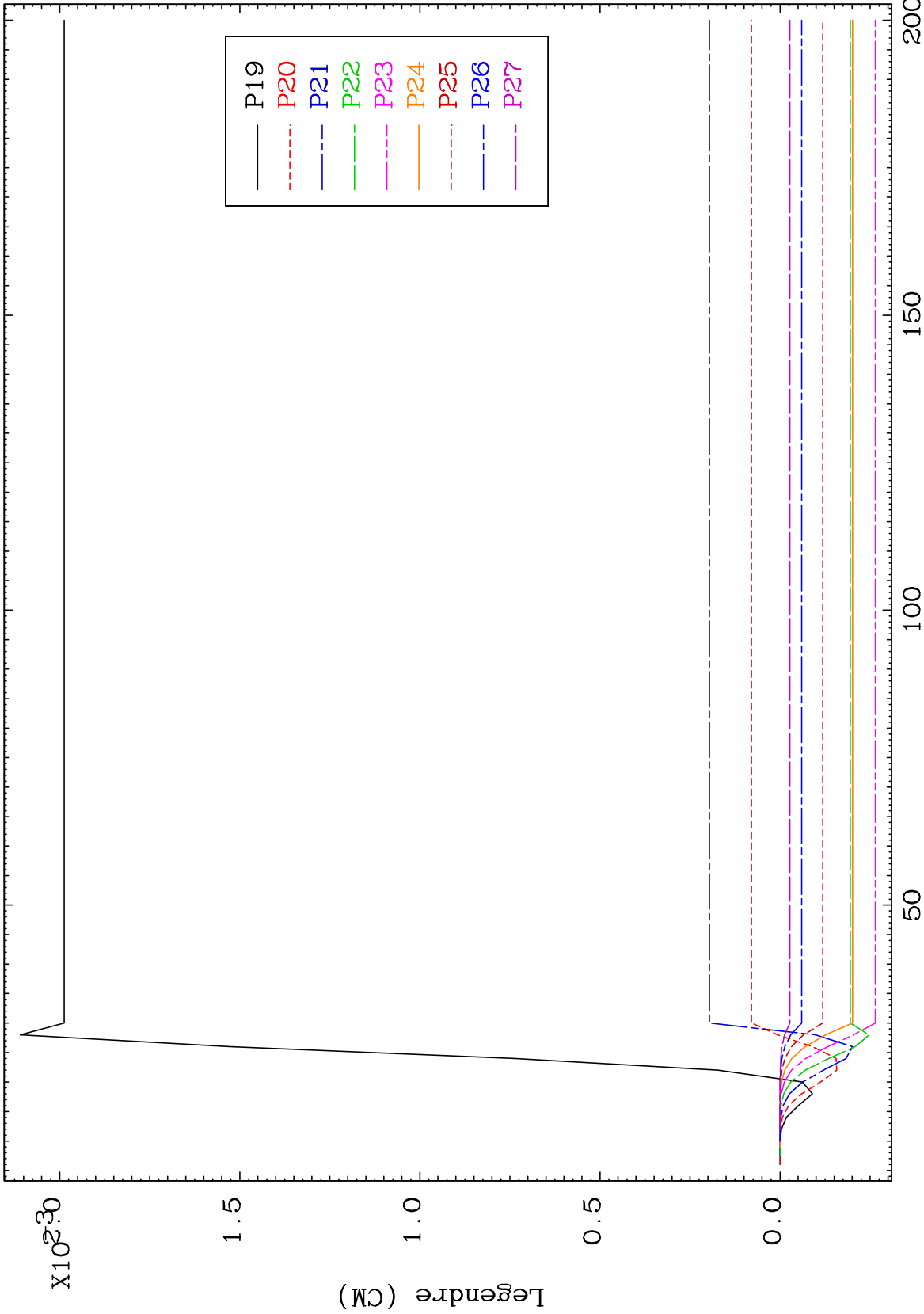


41 80-Hg-191

MAT 8010

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

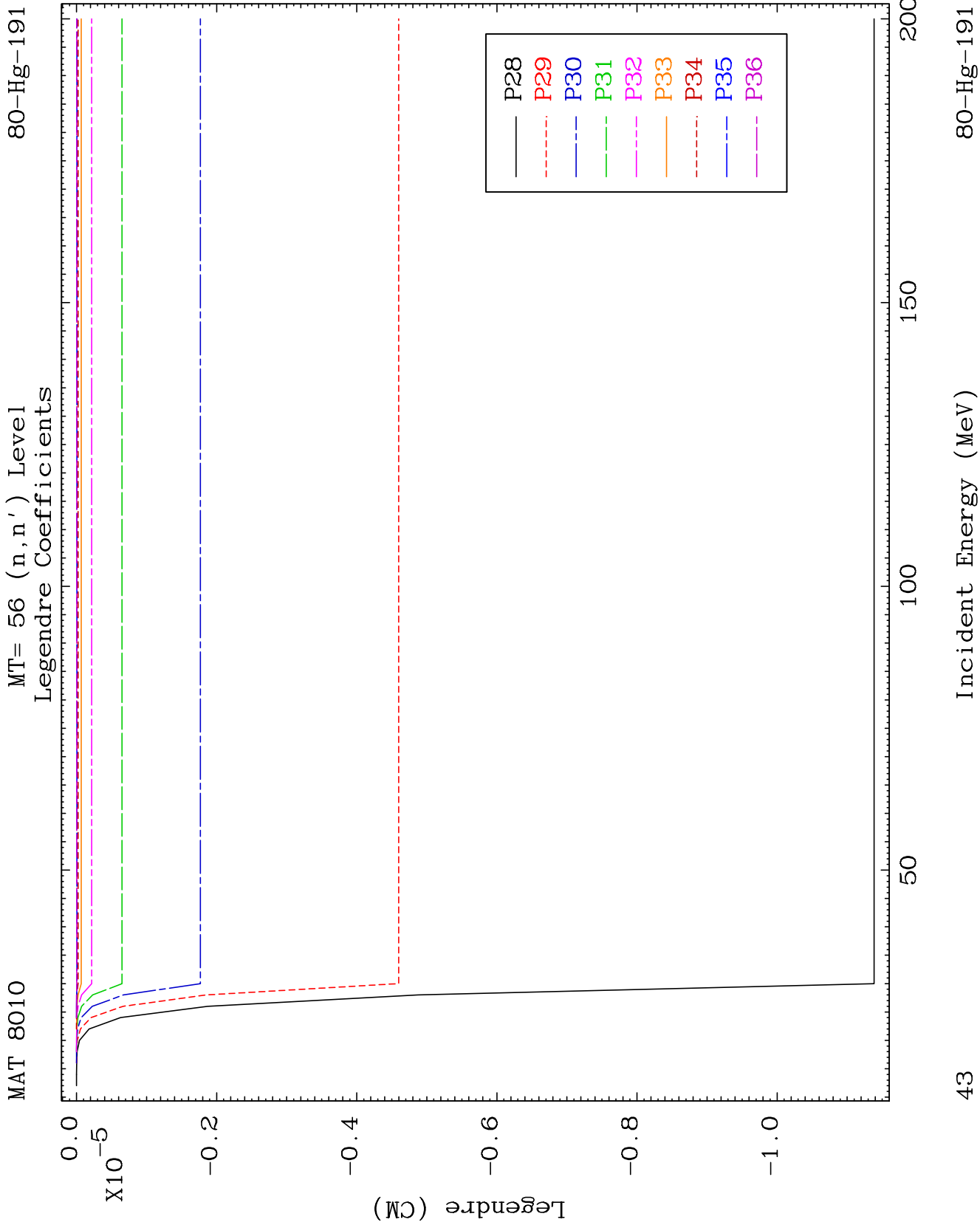
80-Hg-191



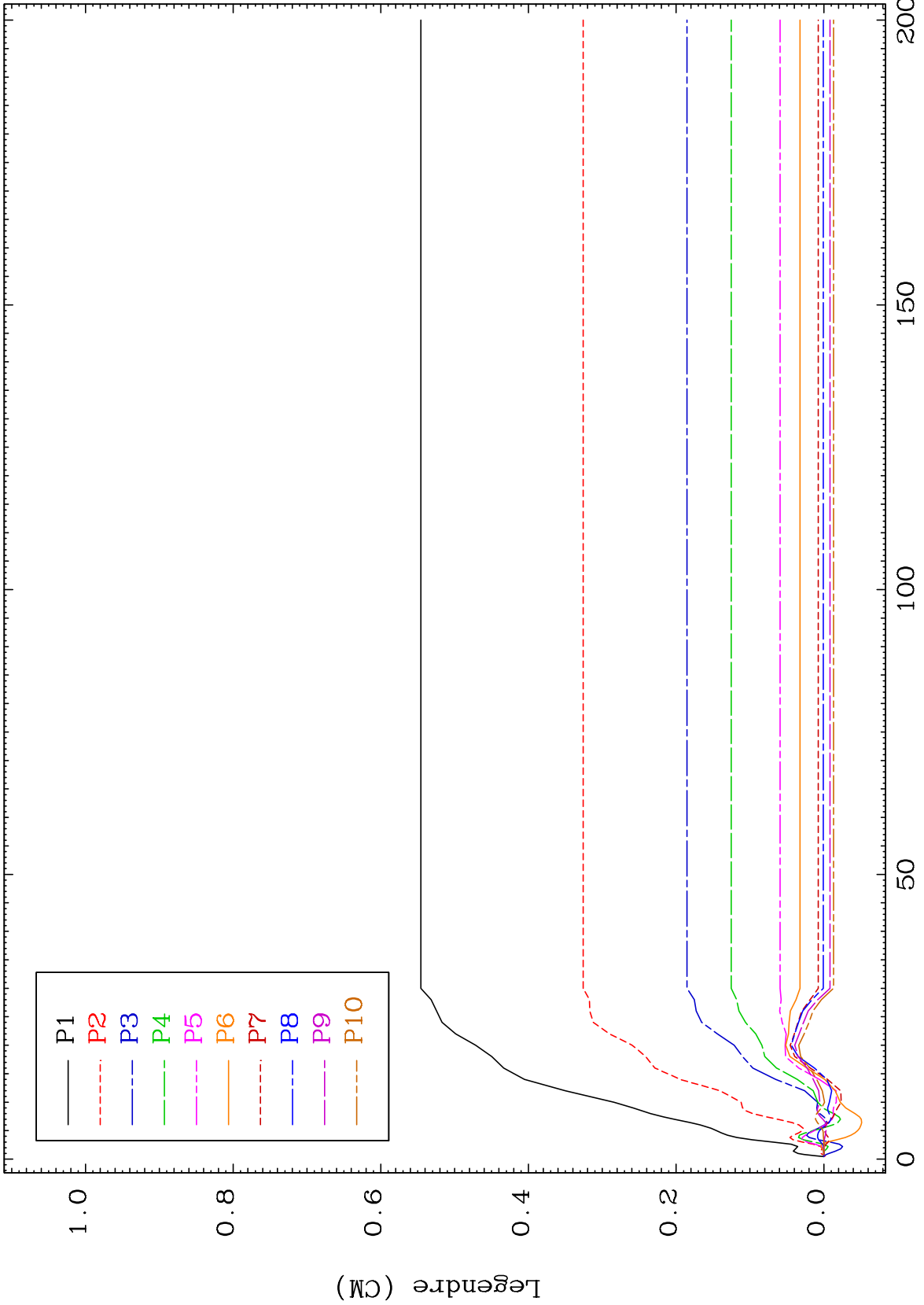
42

Incident Energy (MeV)

80-Hg-191

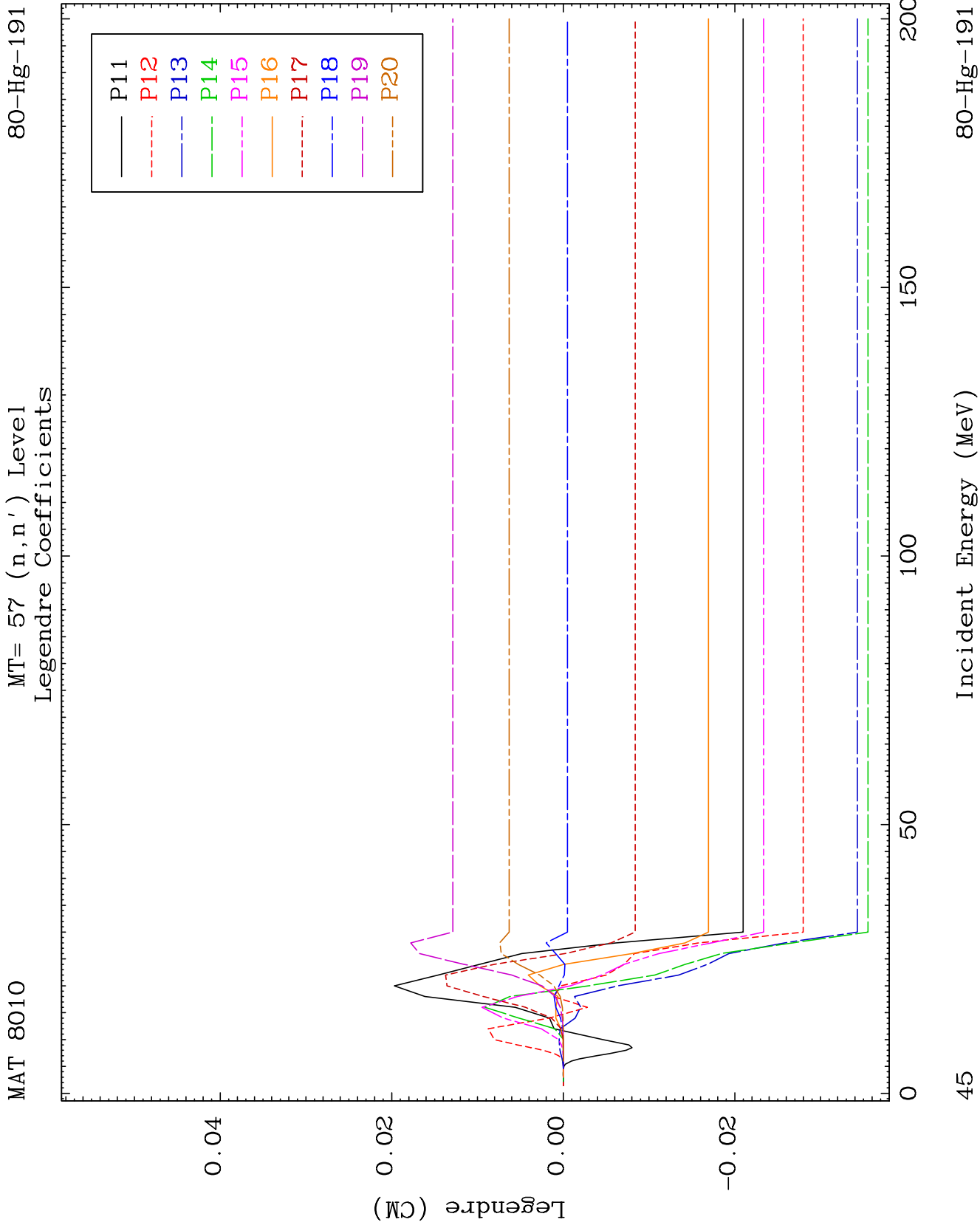


MAT 8010 MT= 57 (n,n') Level Legendre Coefficients 80-Hg-191



80-Hg-191

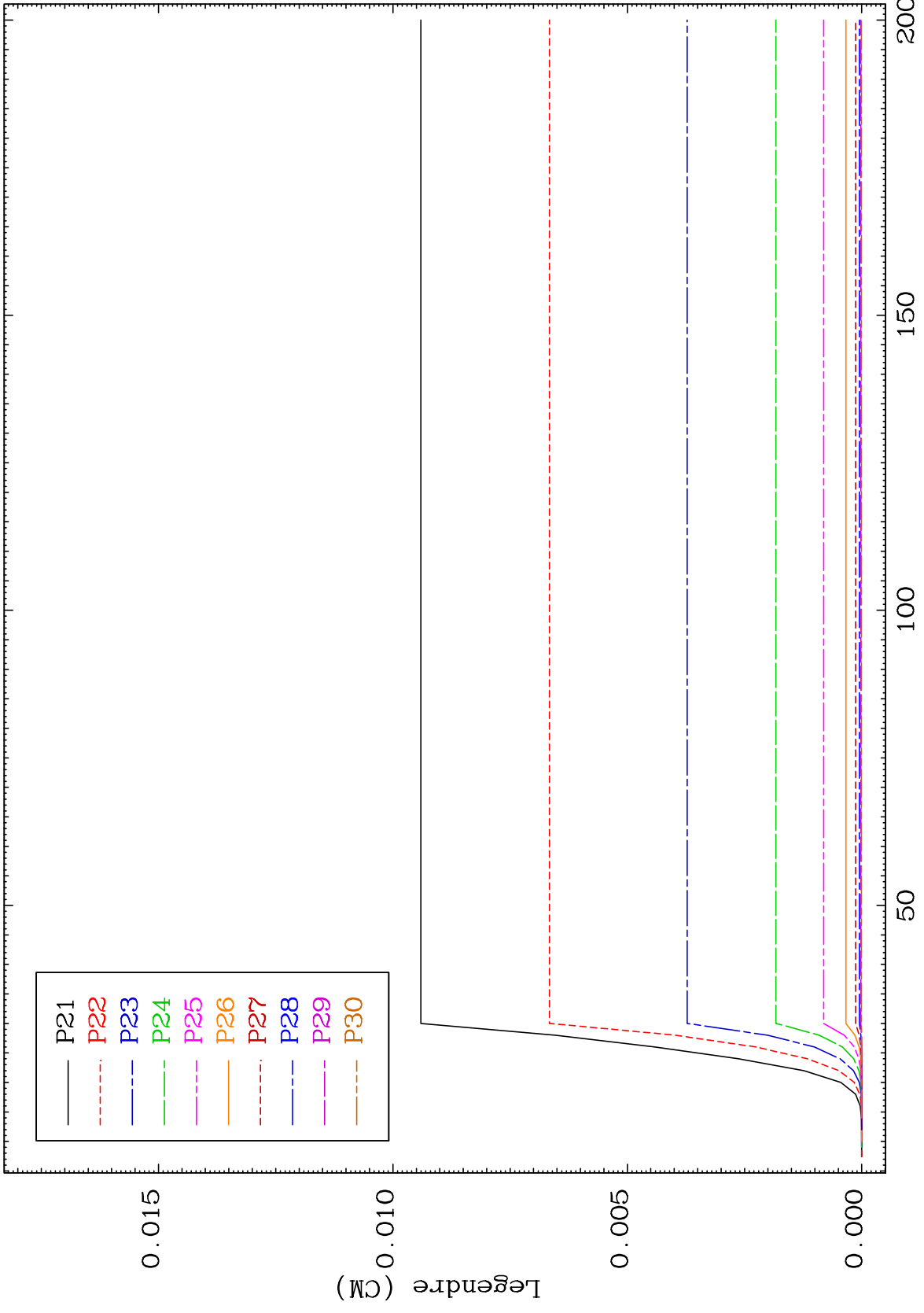
Incident Energy (MeV)



MAT 8010

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

80-Hg-191



46

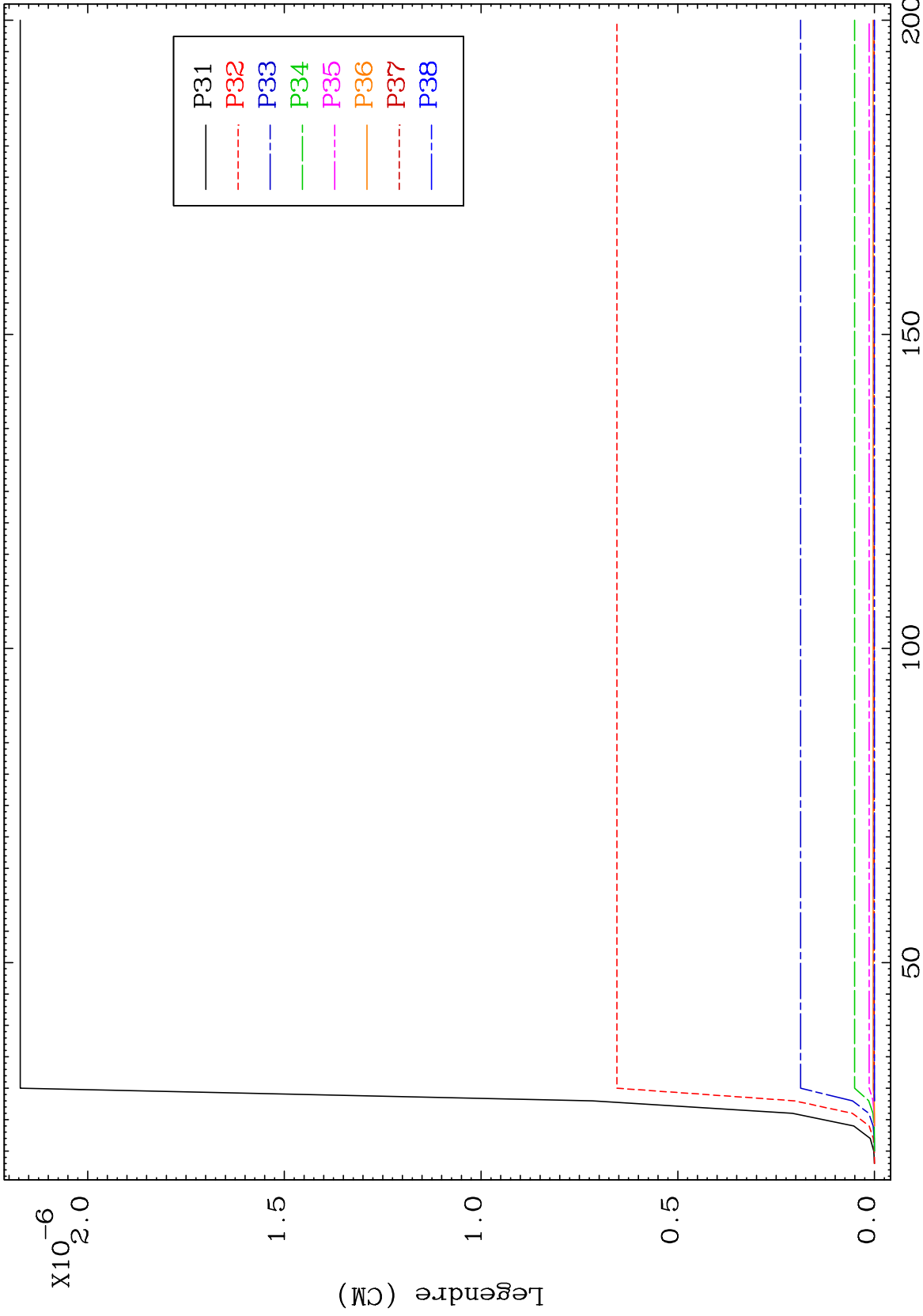
Incident Energy (MeV)

80-Hg-191

MAT 8010

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

80-Hg-191



47

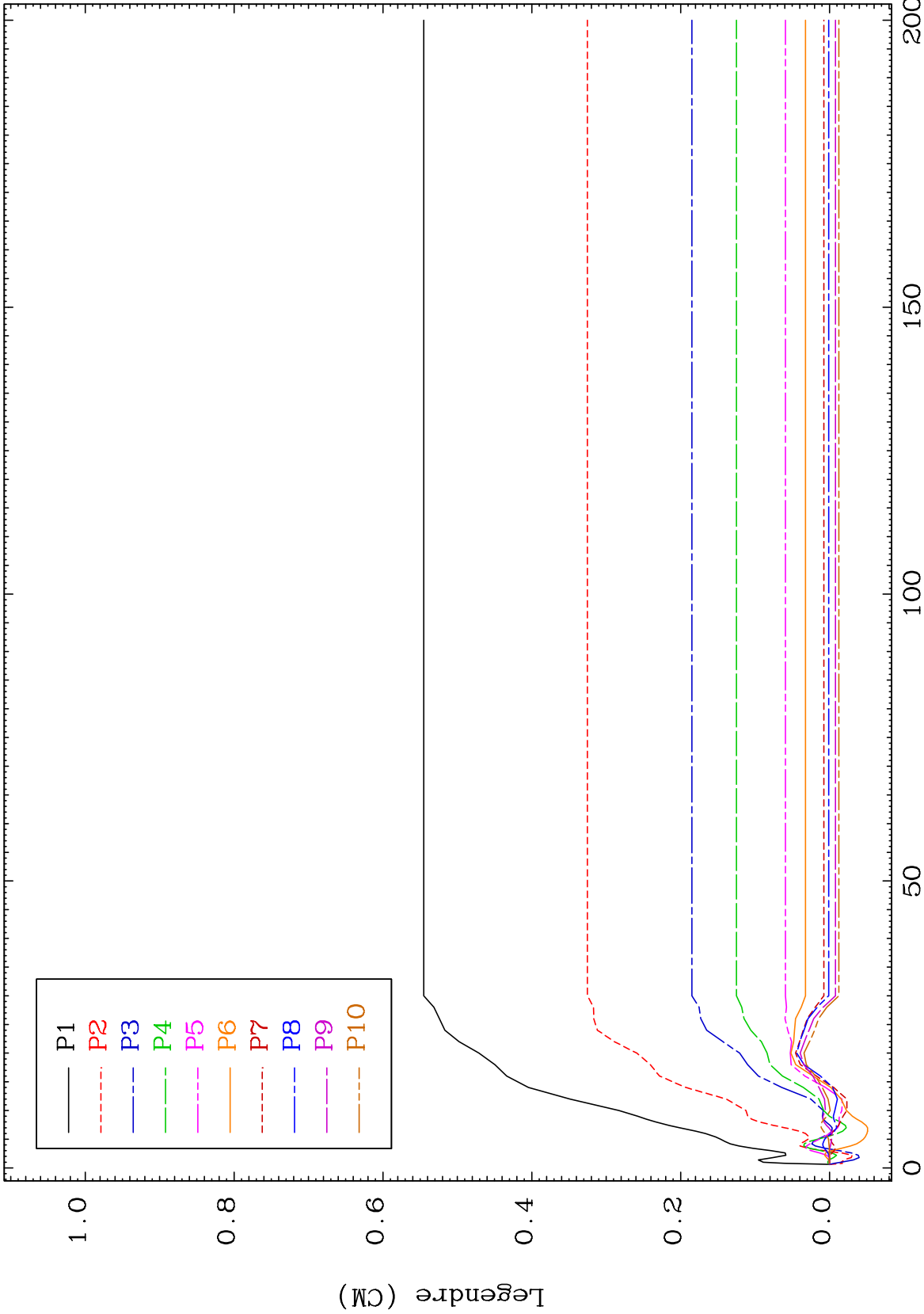
Incident Energy (MeV)

80-Hg-191

MAT 8010

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

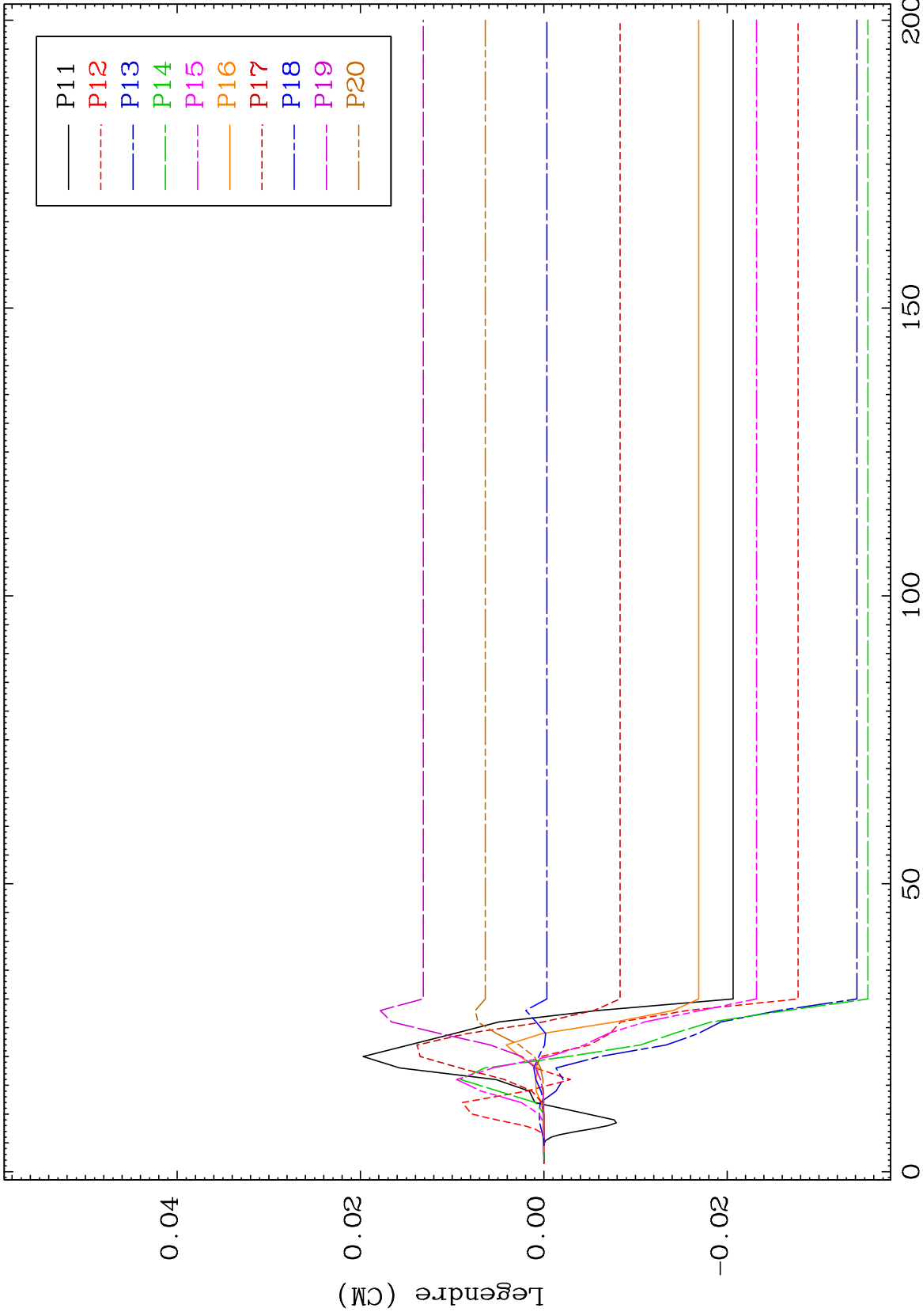
80-Hg-191



MAT 8010

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

80-Hg-191



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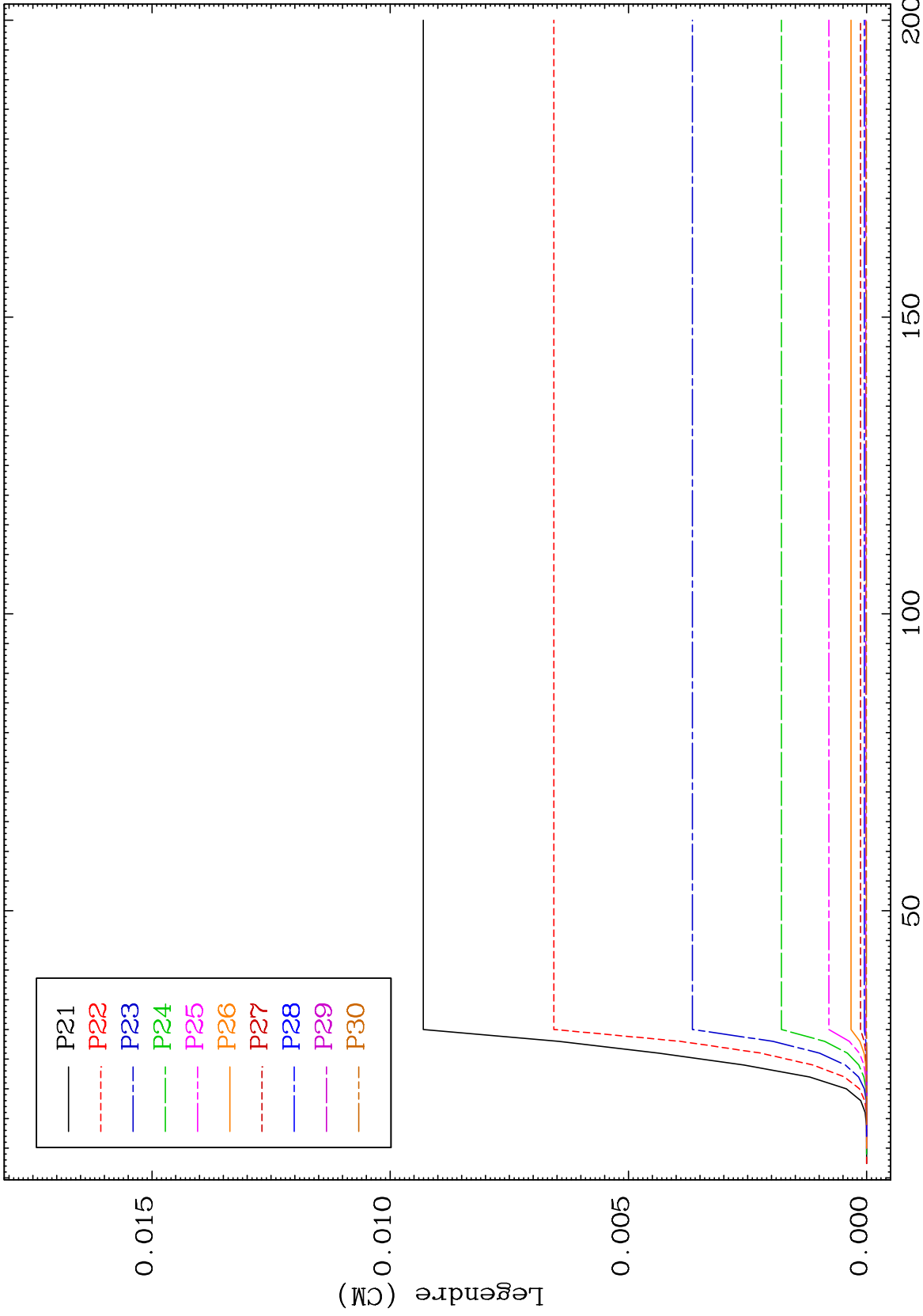
Incident Energy (MeV)

80-Hg-191

MAT 8010

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

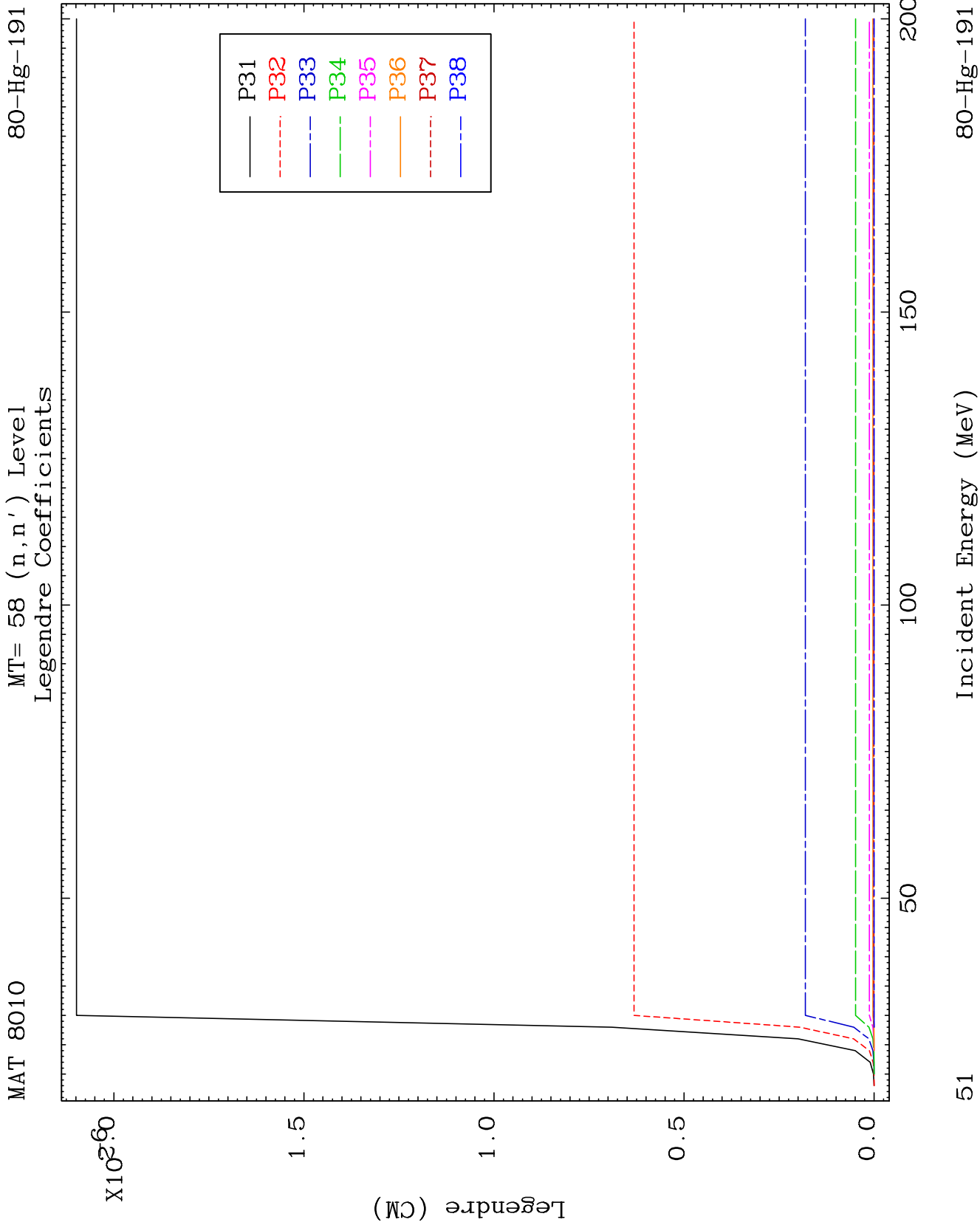
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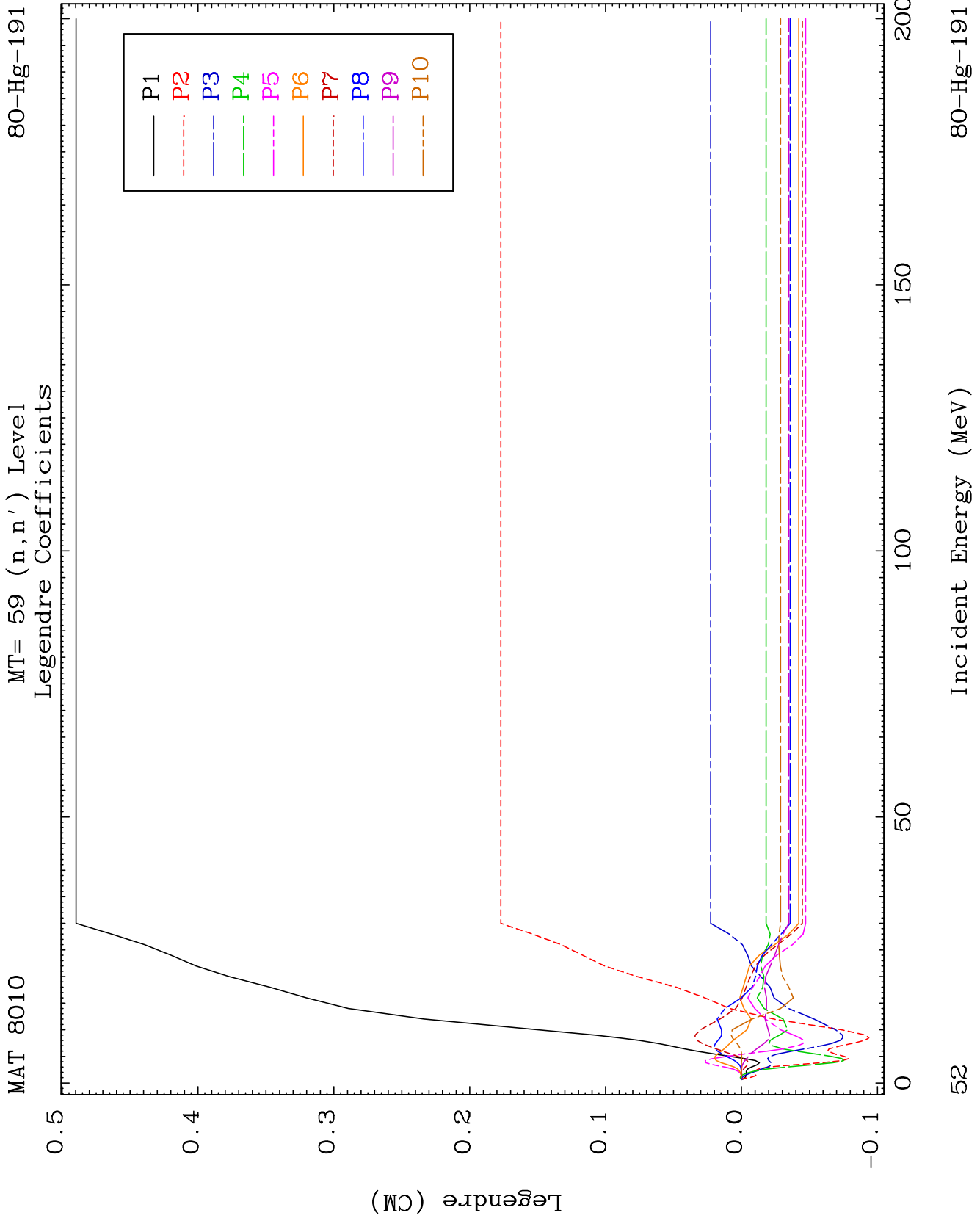


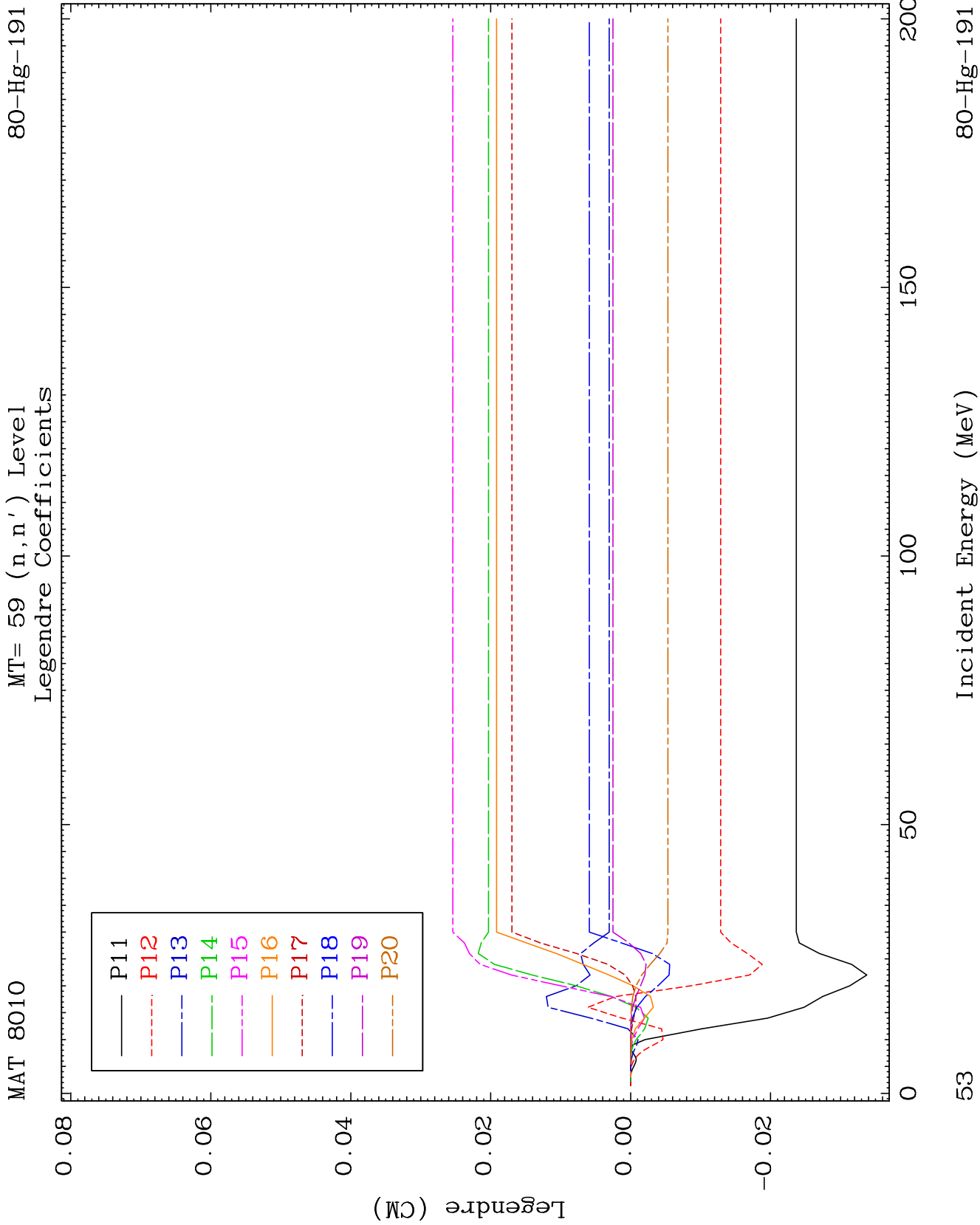
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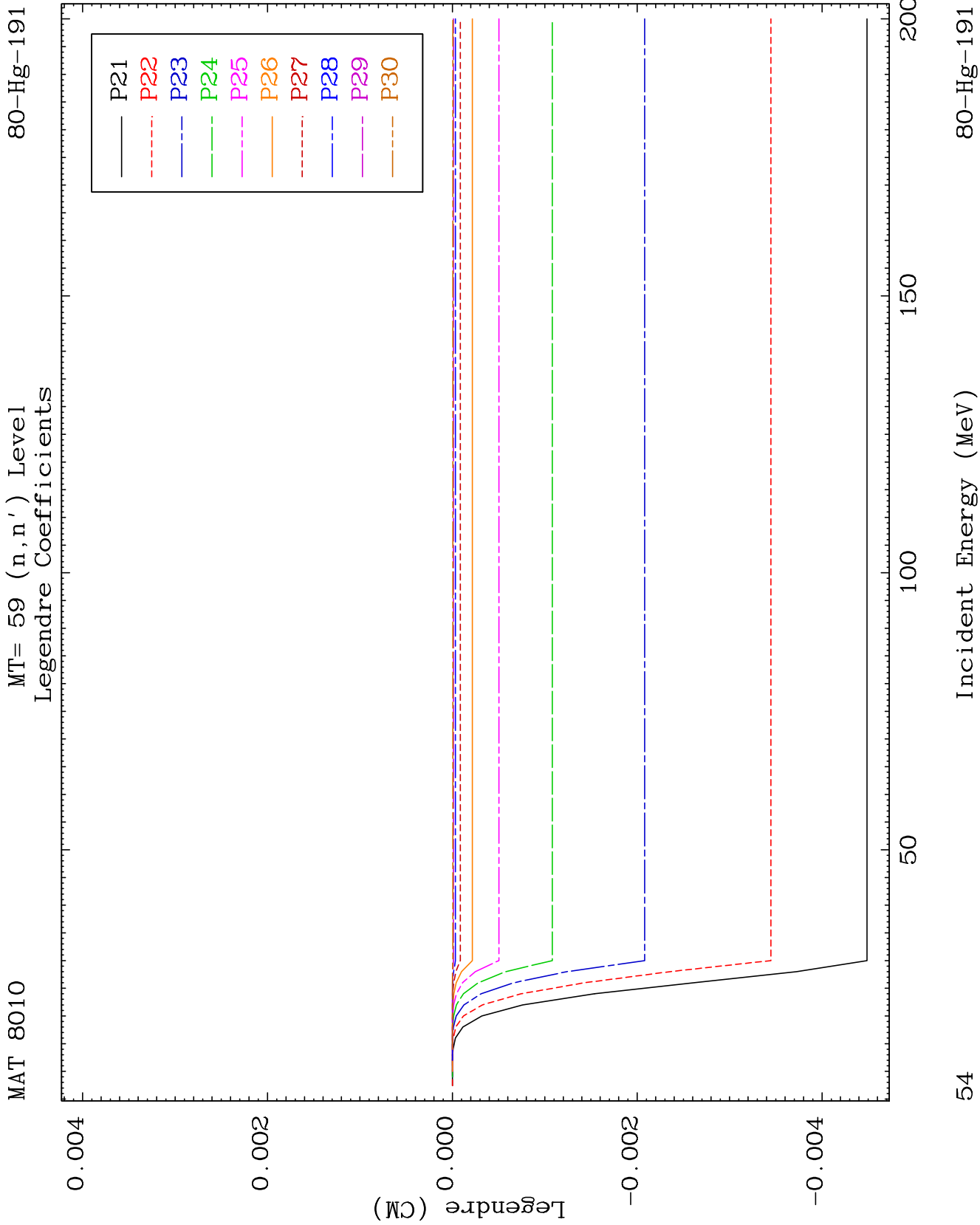
Incident Energy (MeV)

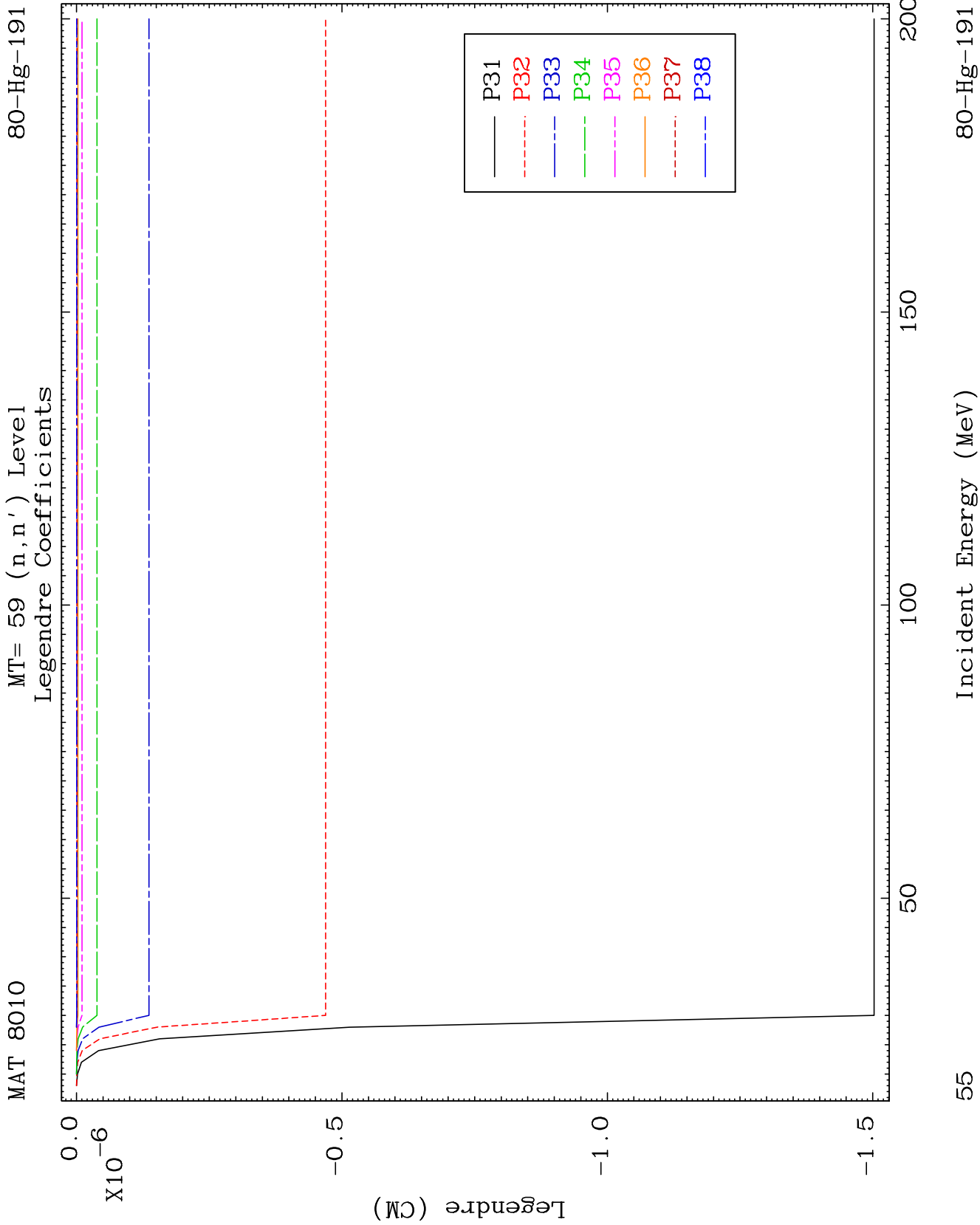
80-Hg-191

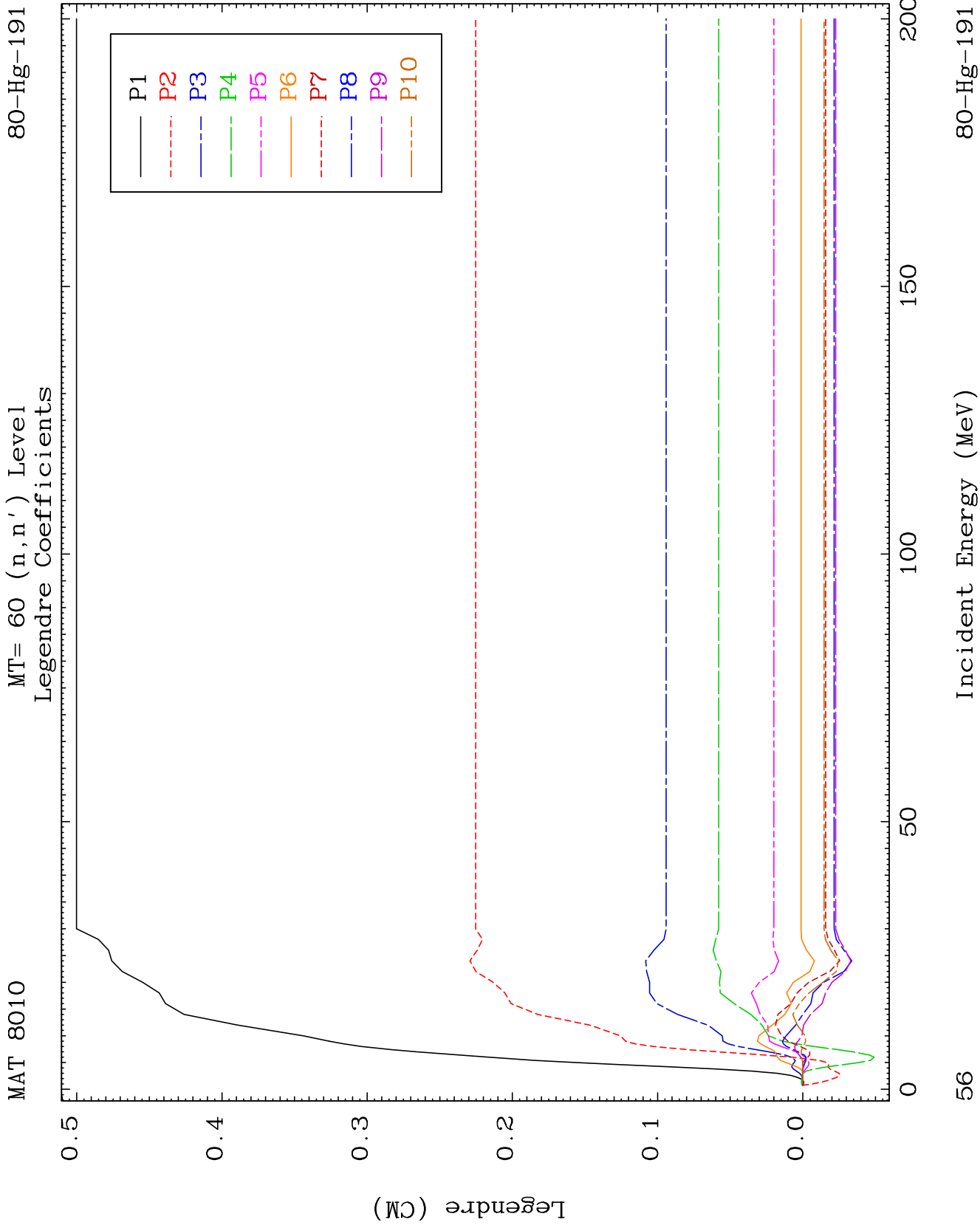




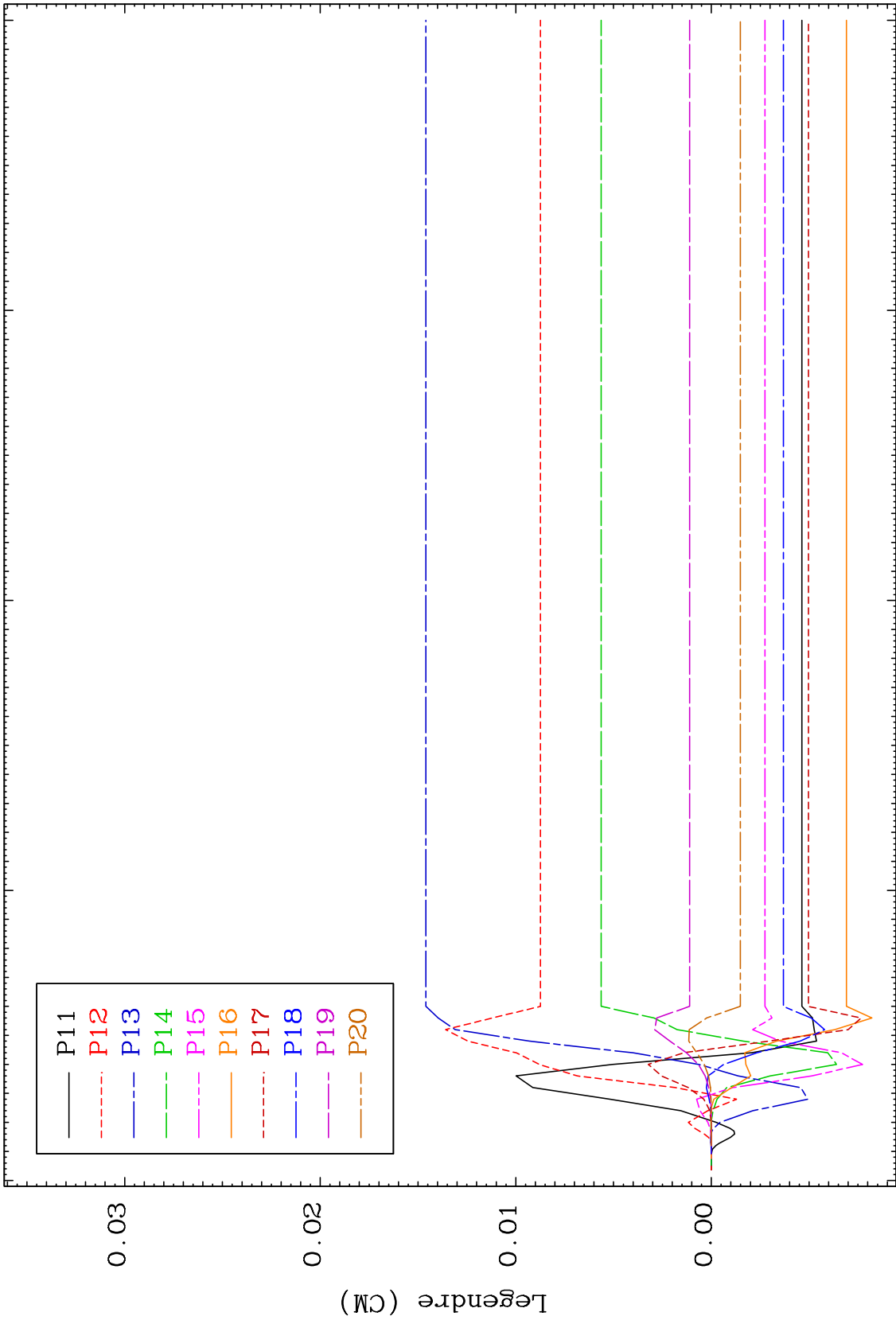








MAT 8010 MT= 60 (n,n') Level Legendre Coefficients 80-Hg-191



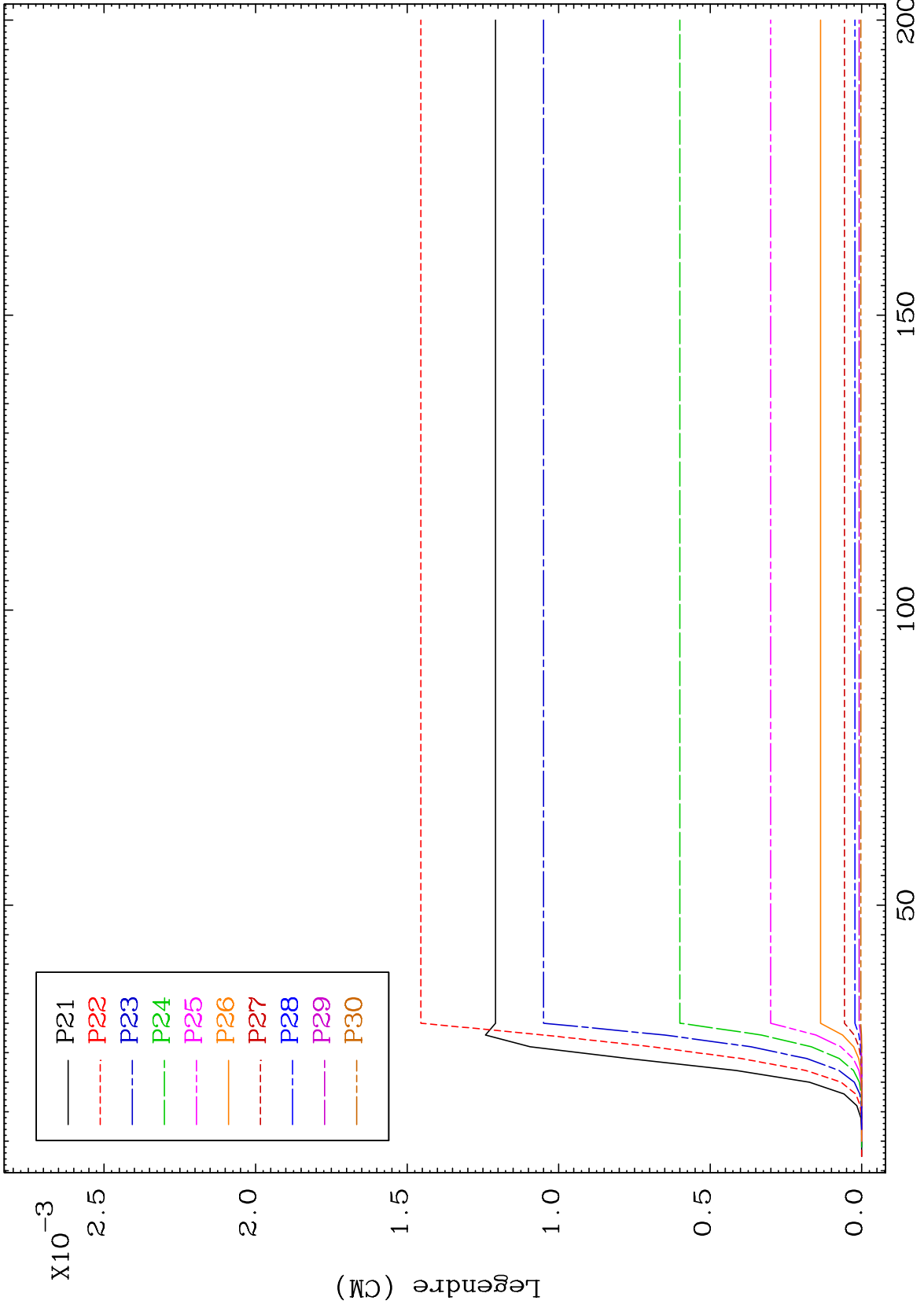
80-Hg-191

Incident Energy (MeV)

MAT 8010

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

80-Hg-191

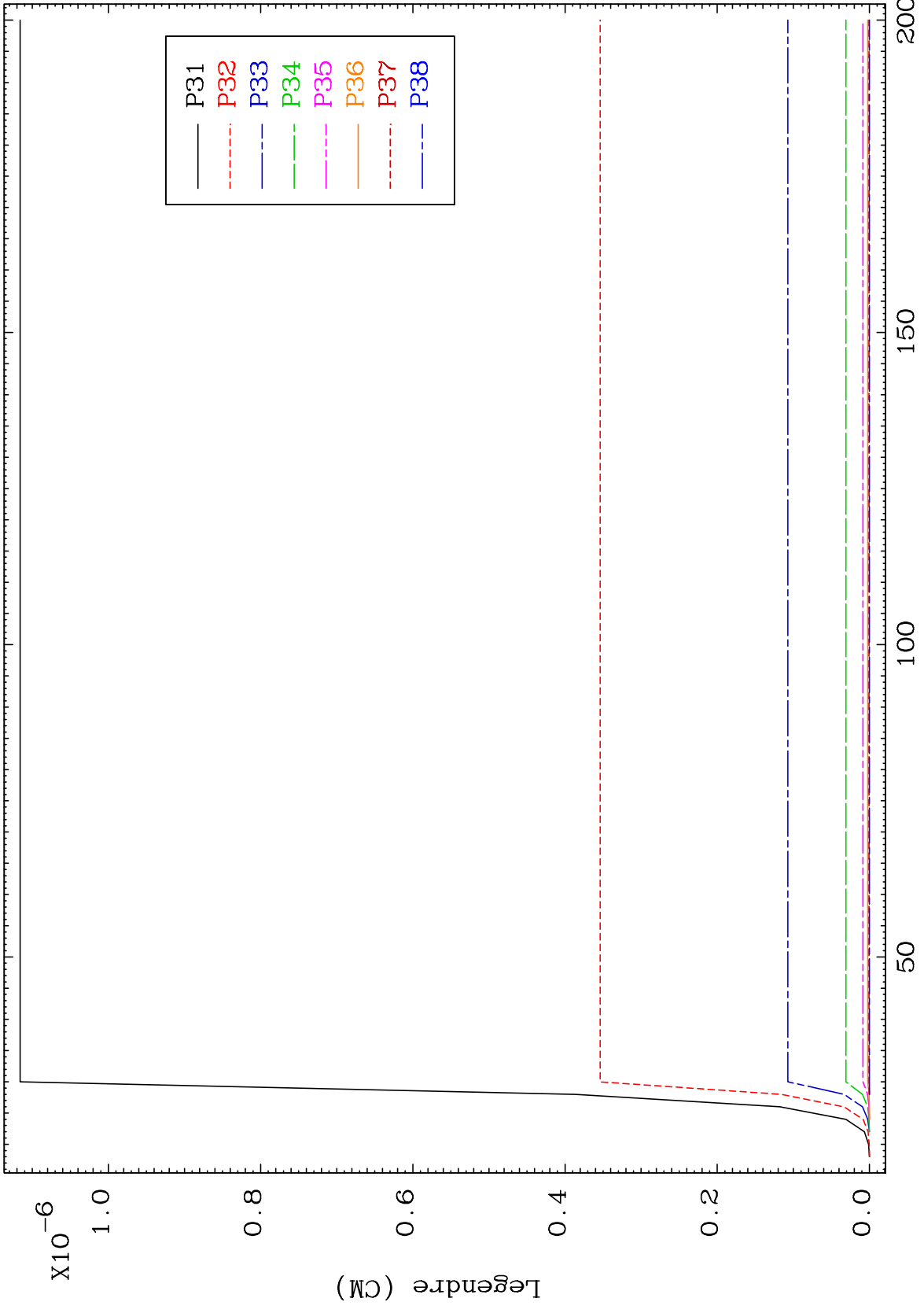


58

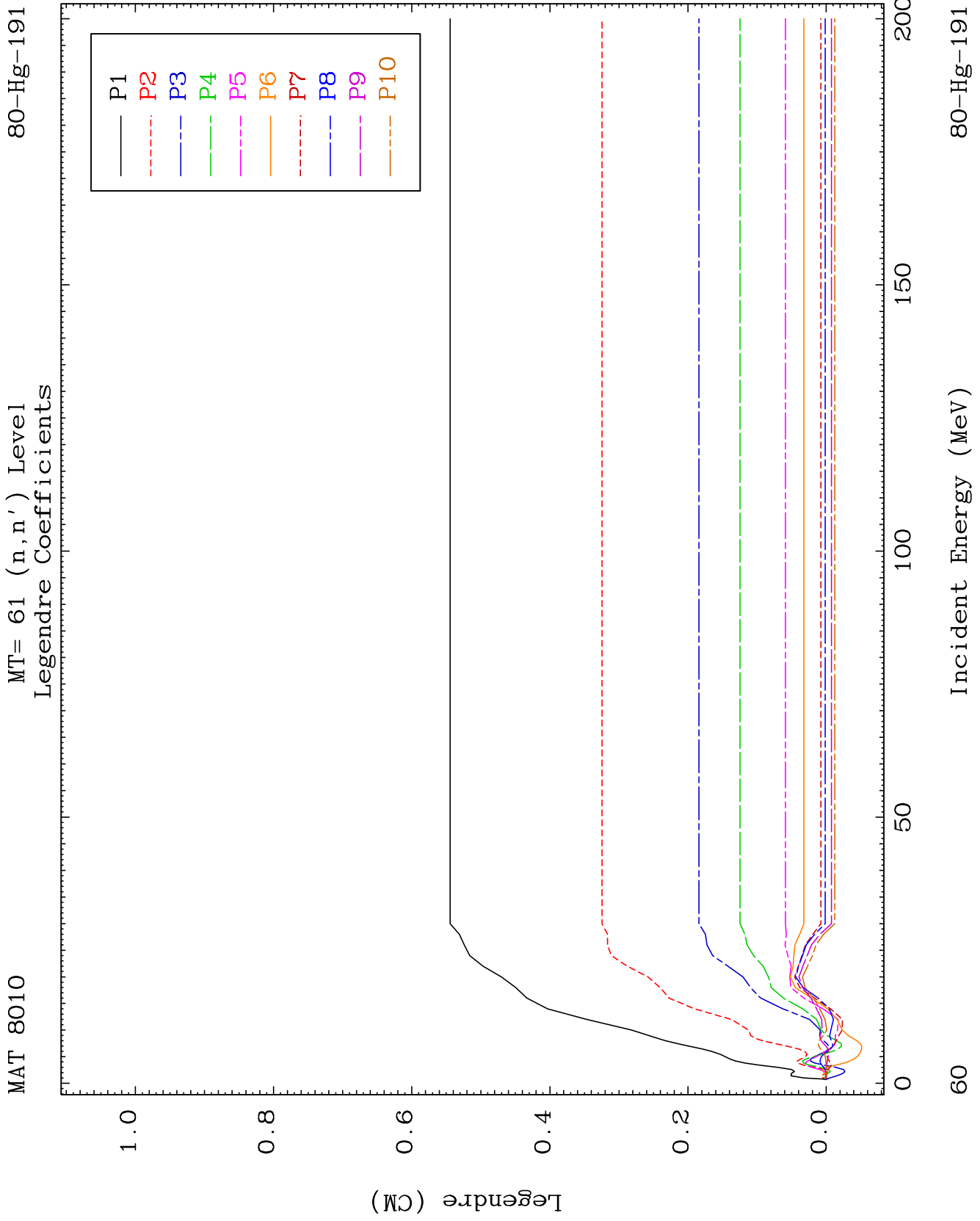
Incident Energy (MeV)

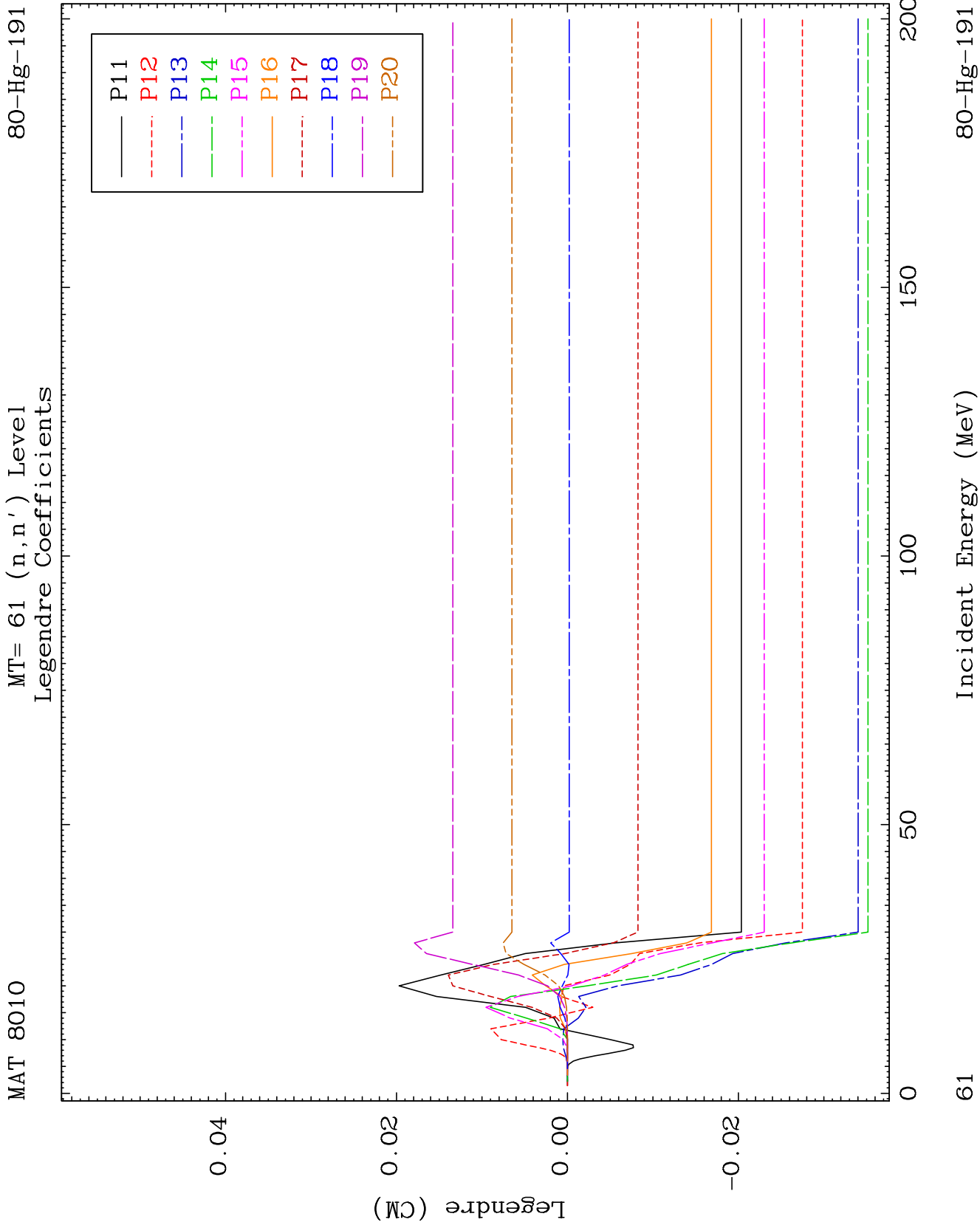
80-Hg-191

MAT 8010 MT= 60 (n,n') Level Legendre Coefficients 80-Hg-191



59 Incident Energy (MeV) 80-Hg-191

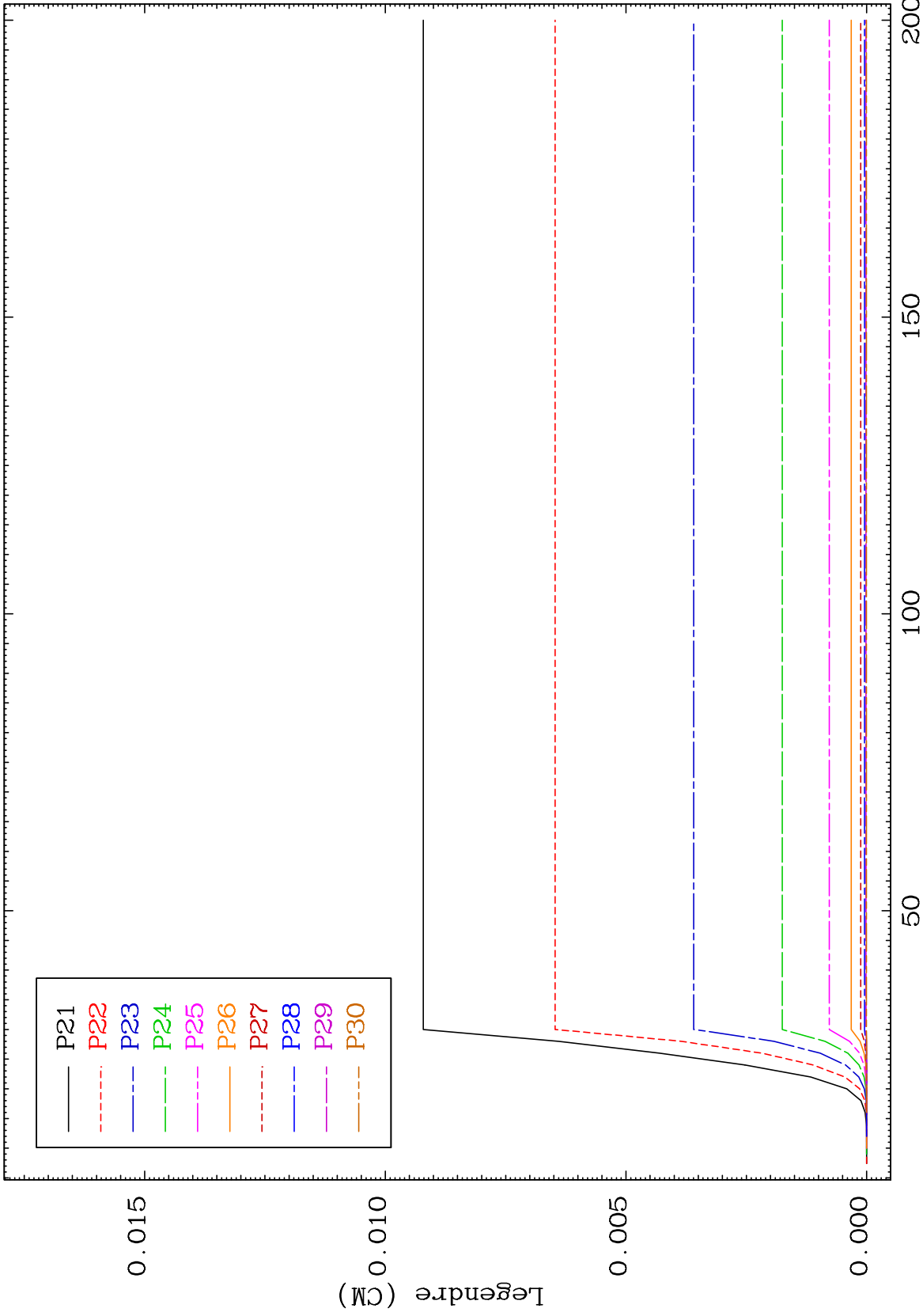




MAT 8010

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

80-Hg-191



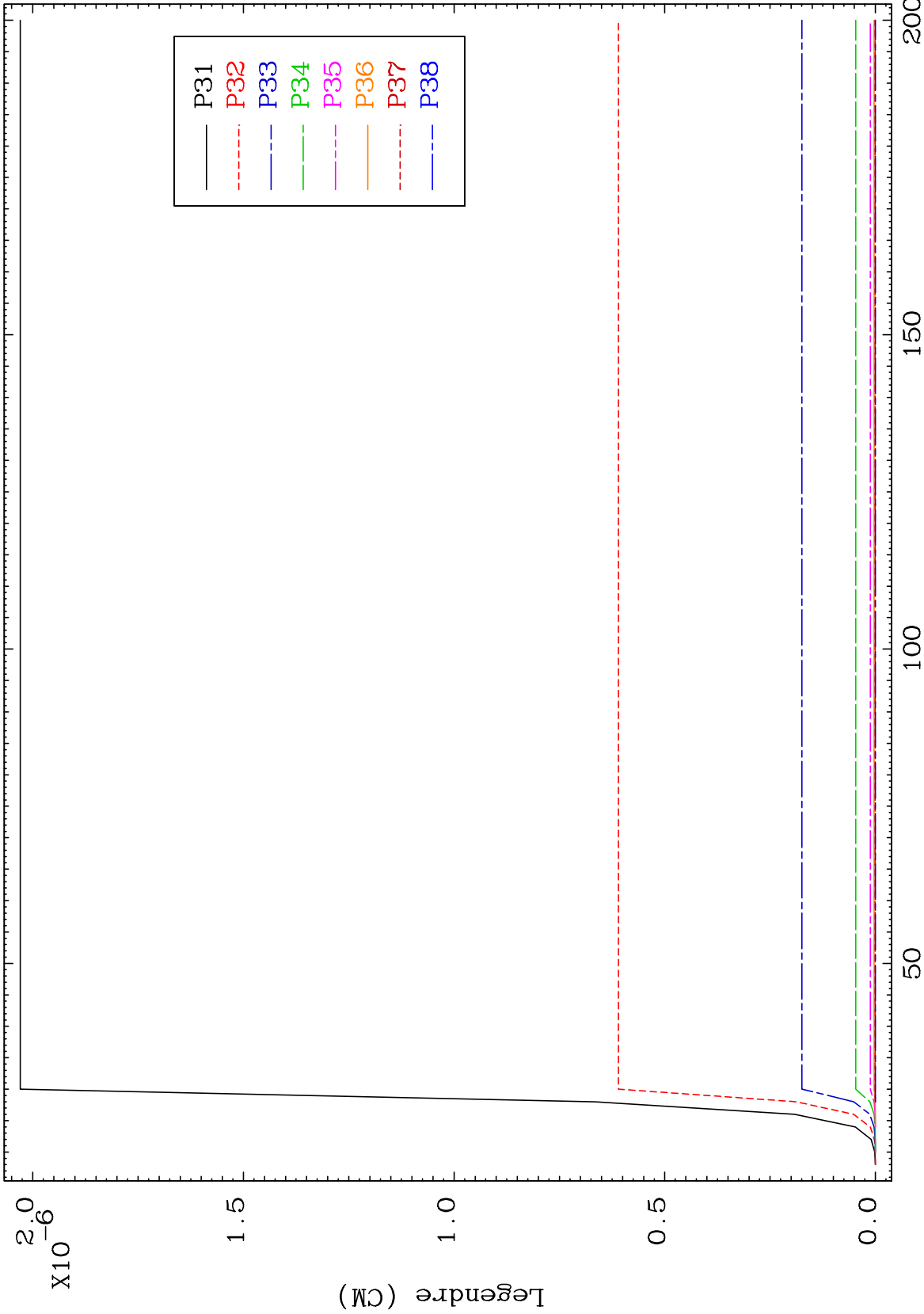
62

80-Hg-191

MAT 8010

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

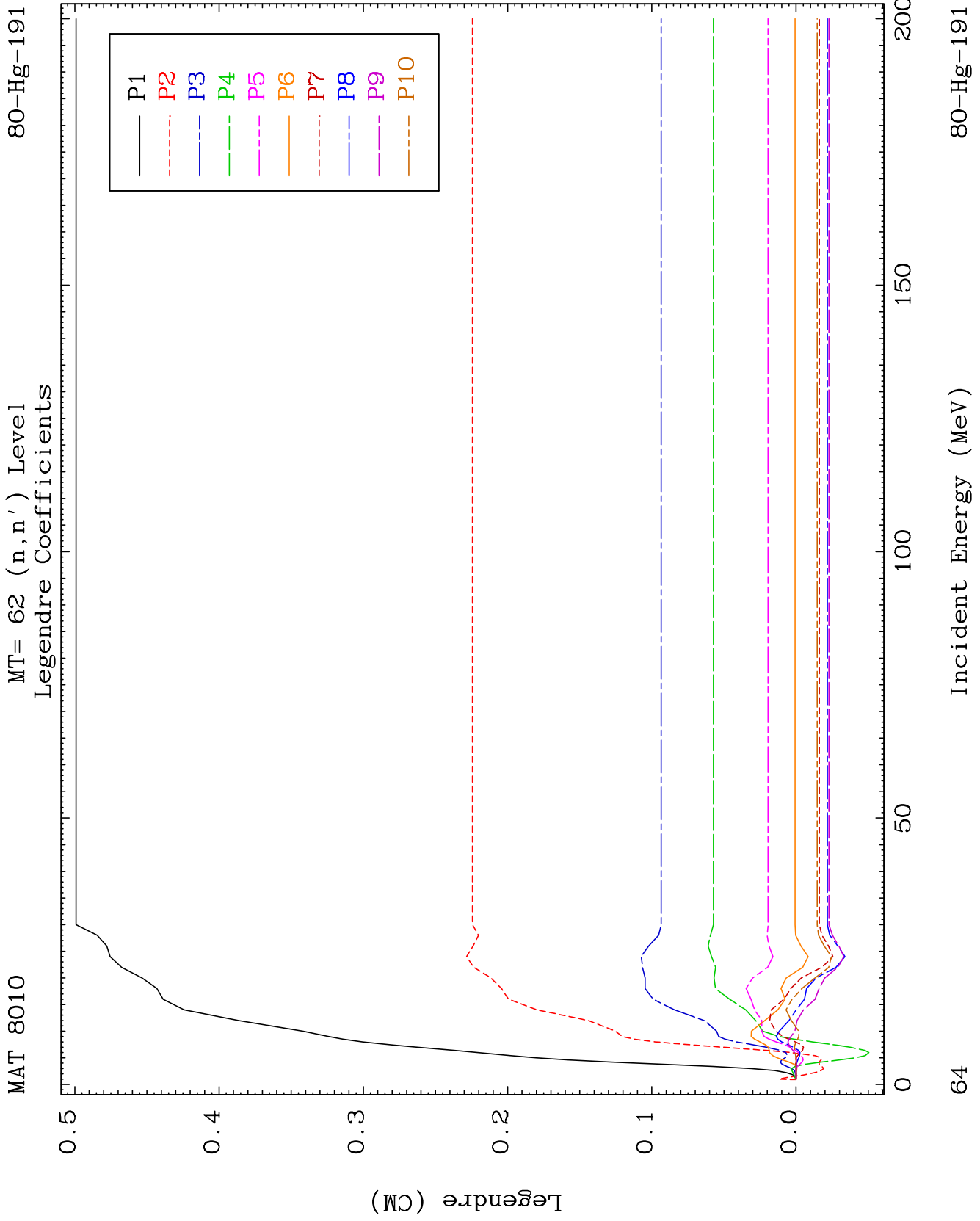
80-Hg-191



63

Incident Energy (MeV)

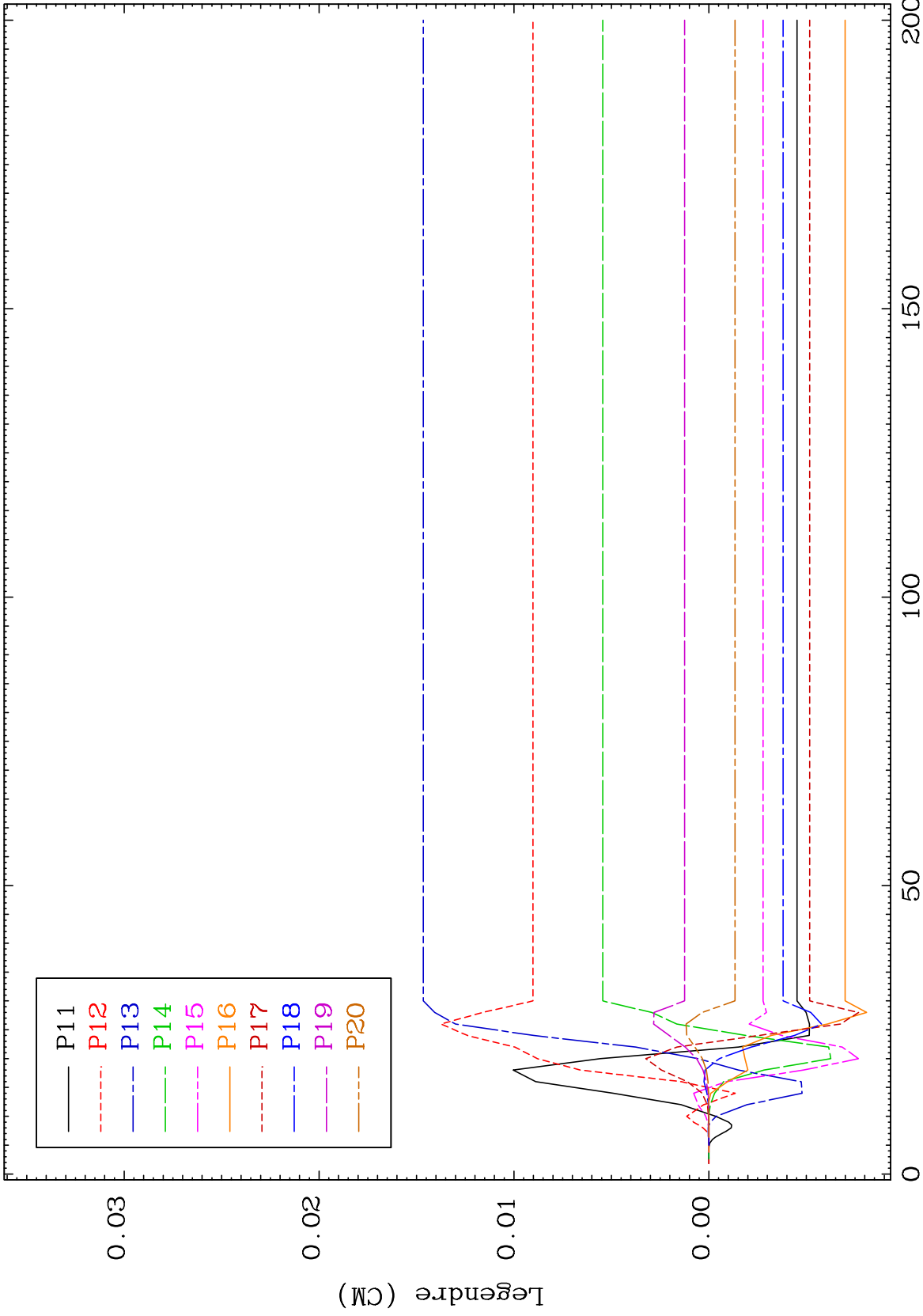
80-Hg-191



MAT 8010

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

80-Hg-191



65

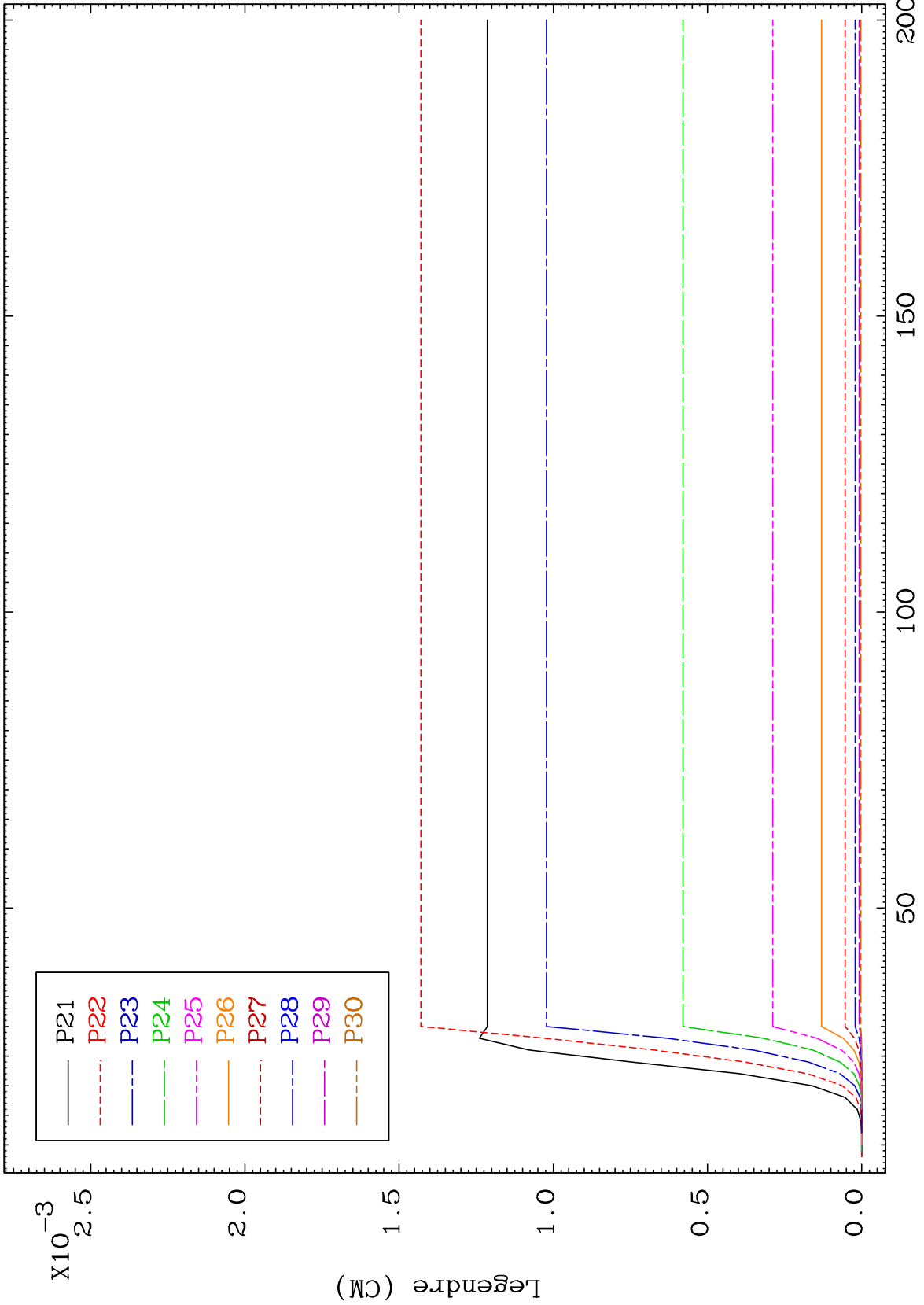
Incident Energy (MeV)

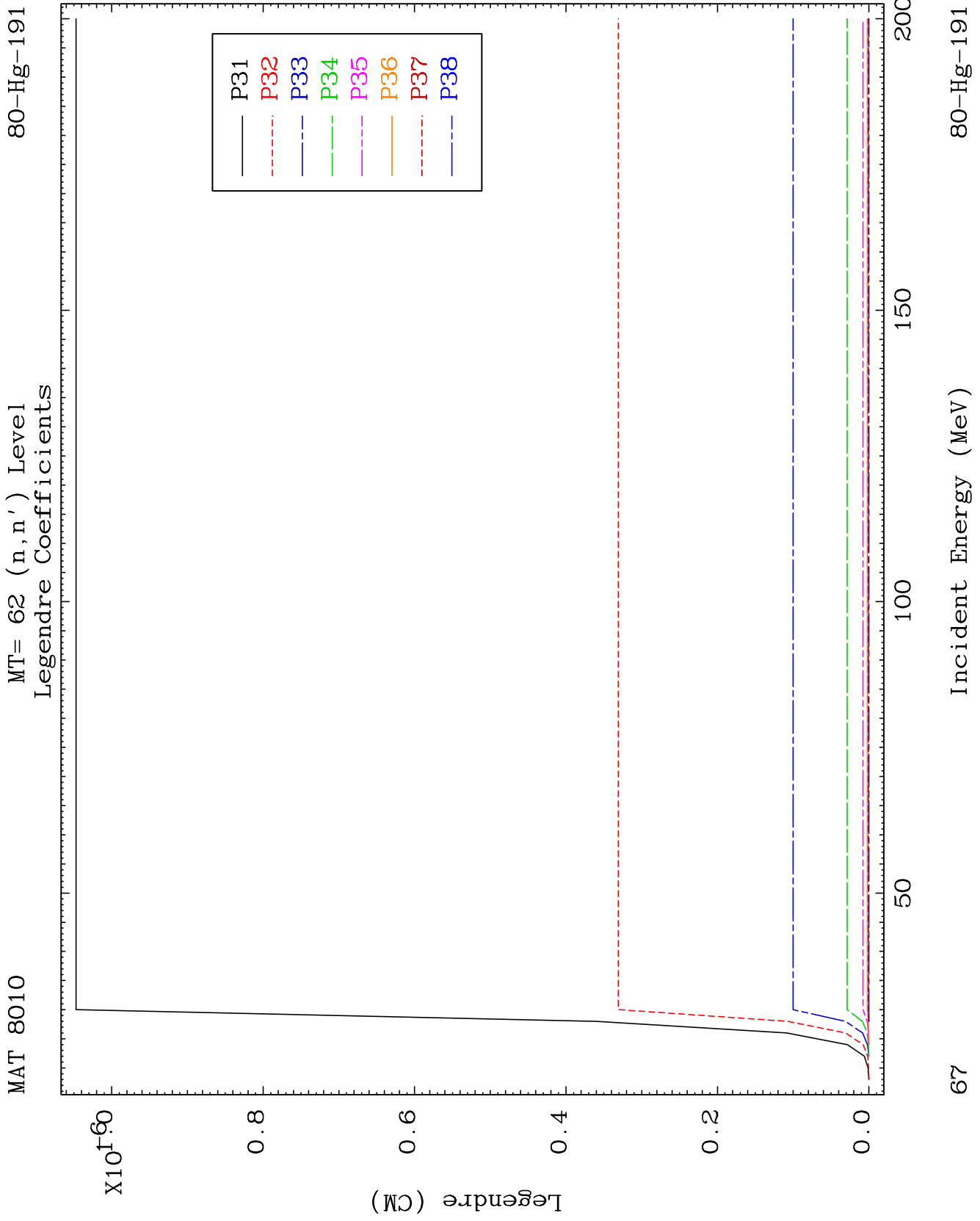
80-Hg-191

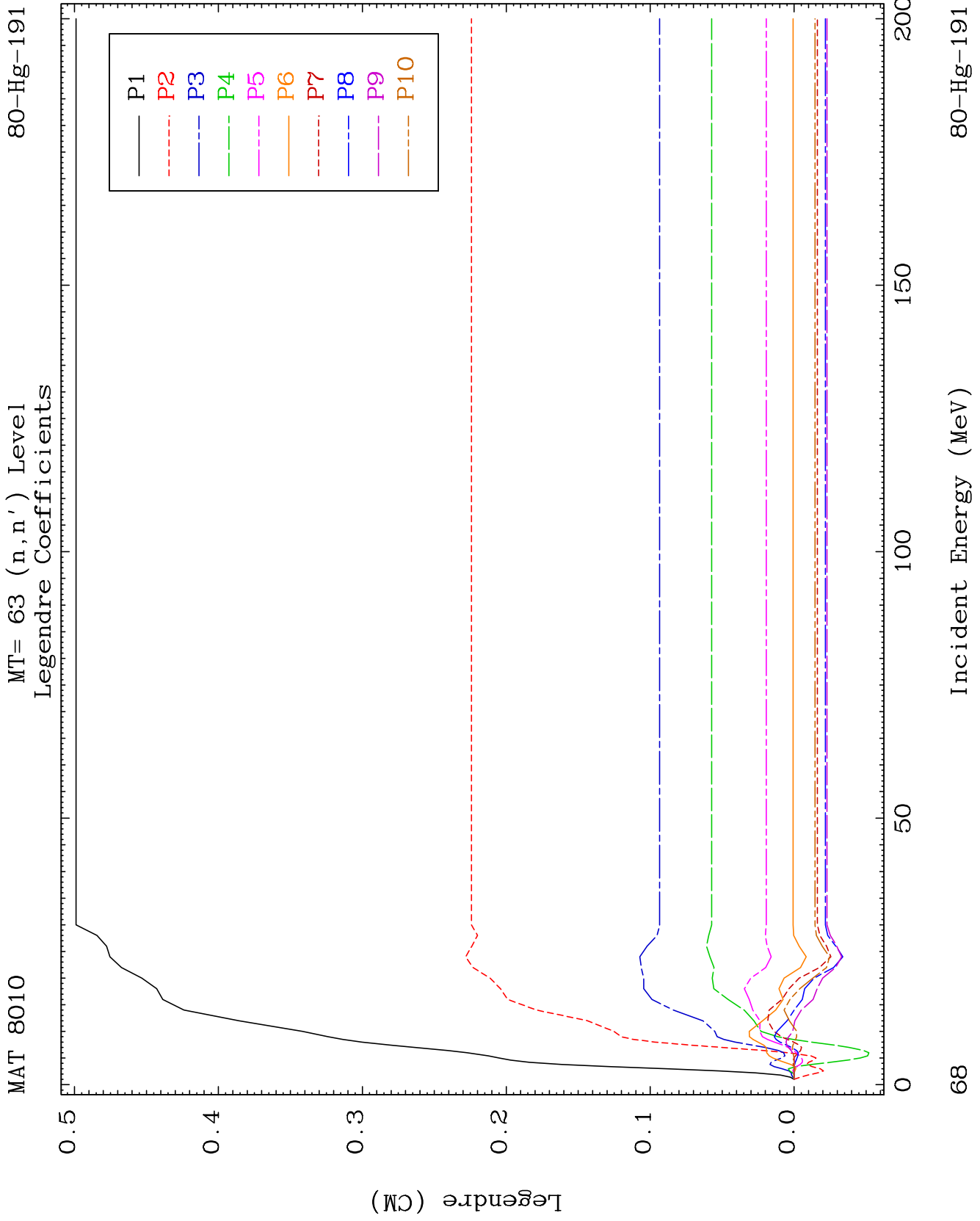
MAT 8010

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

80-Hg-191



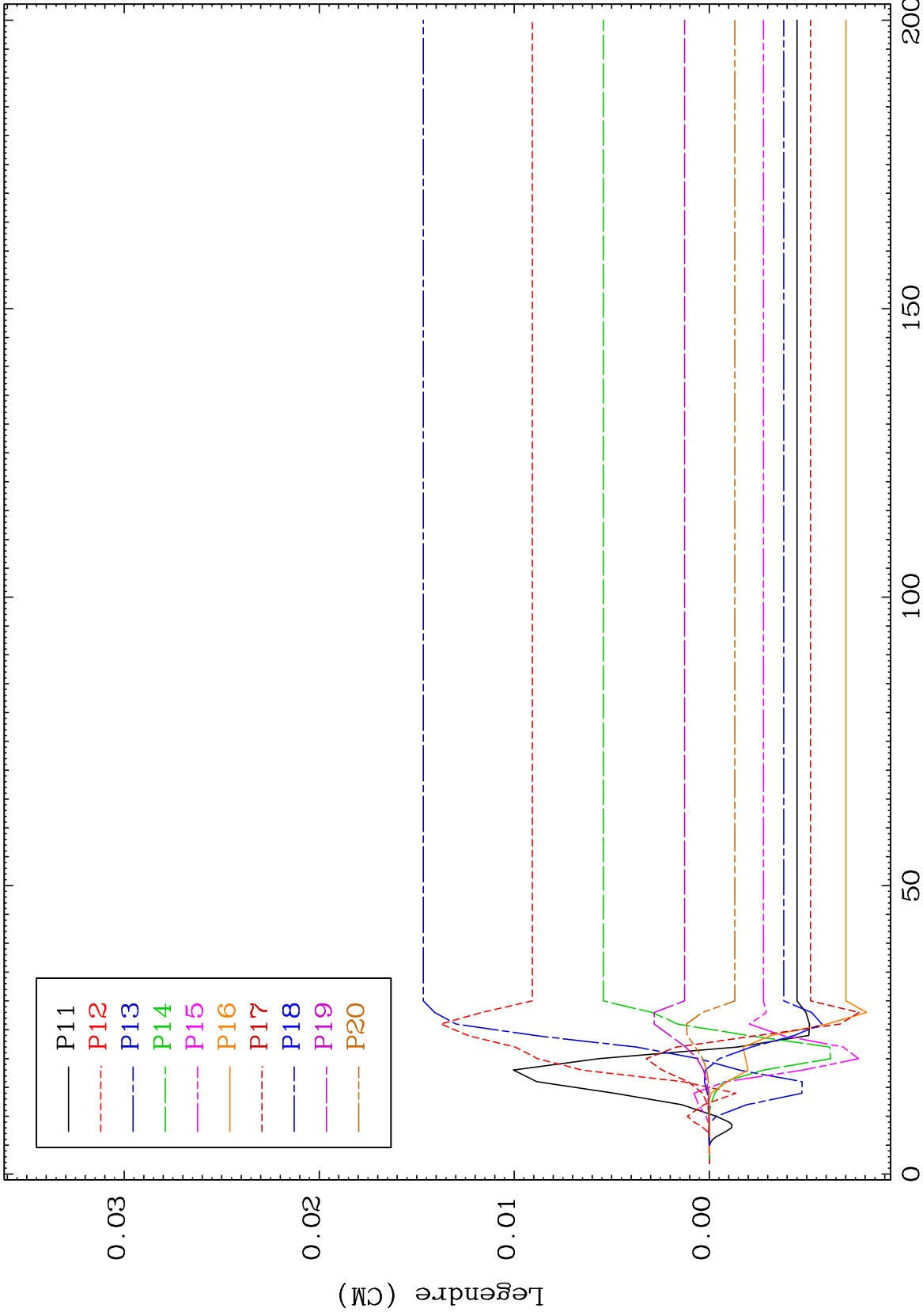




MAT 8010

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

80-Hg-191

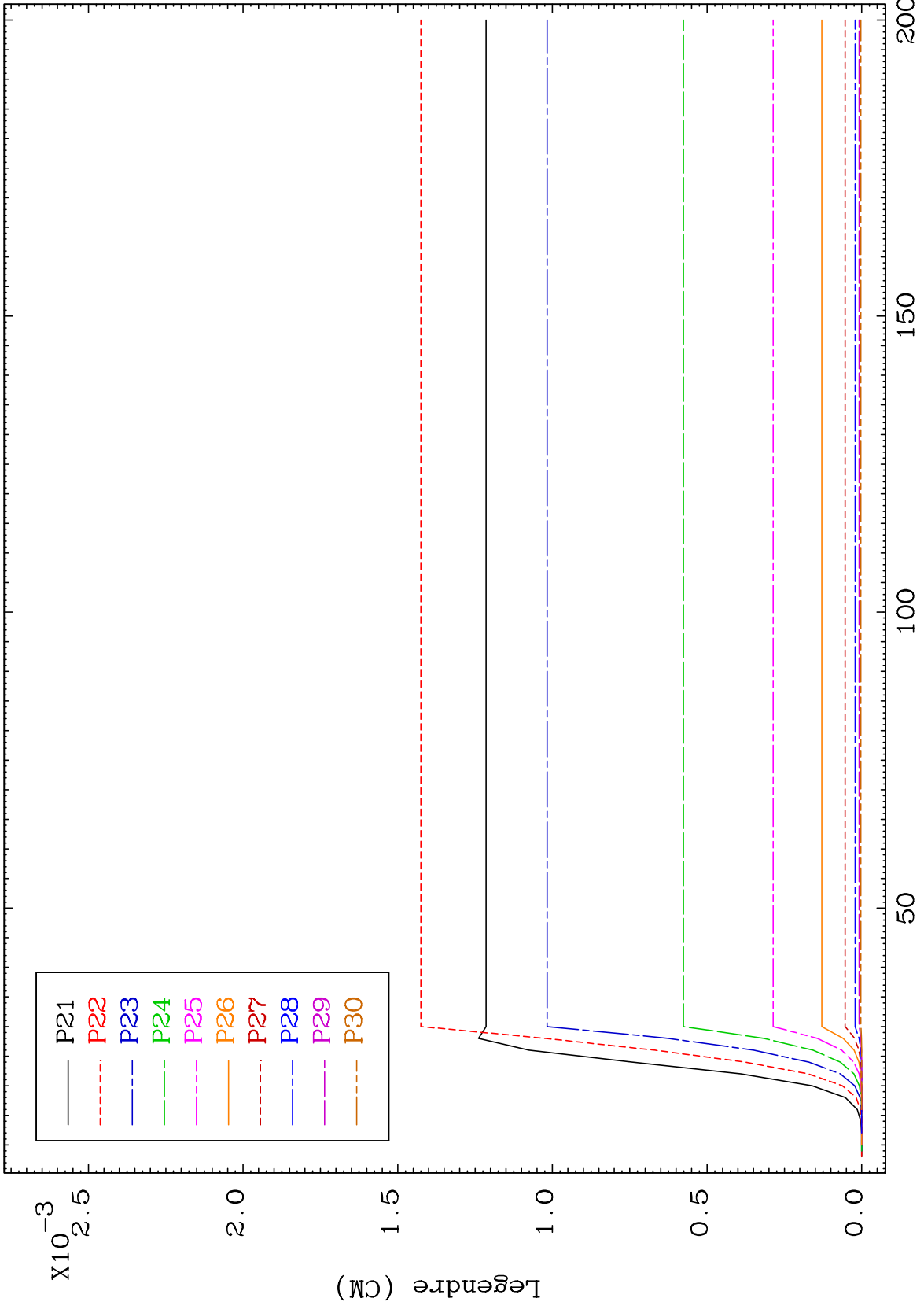


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Incident Energy (MeV)

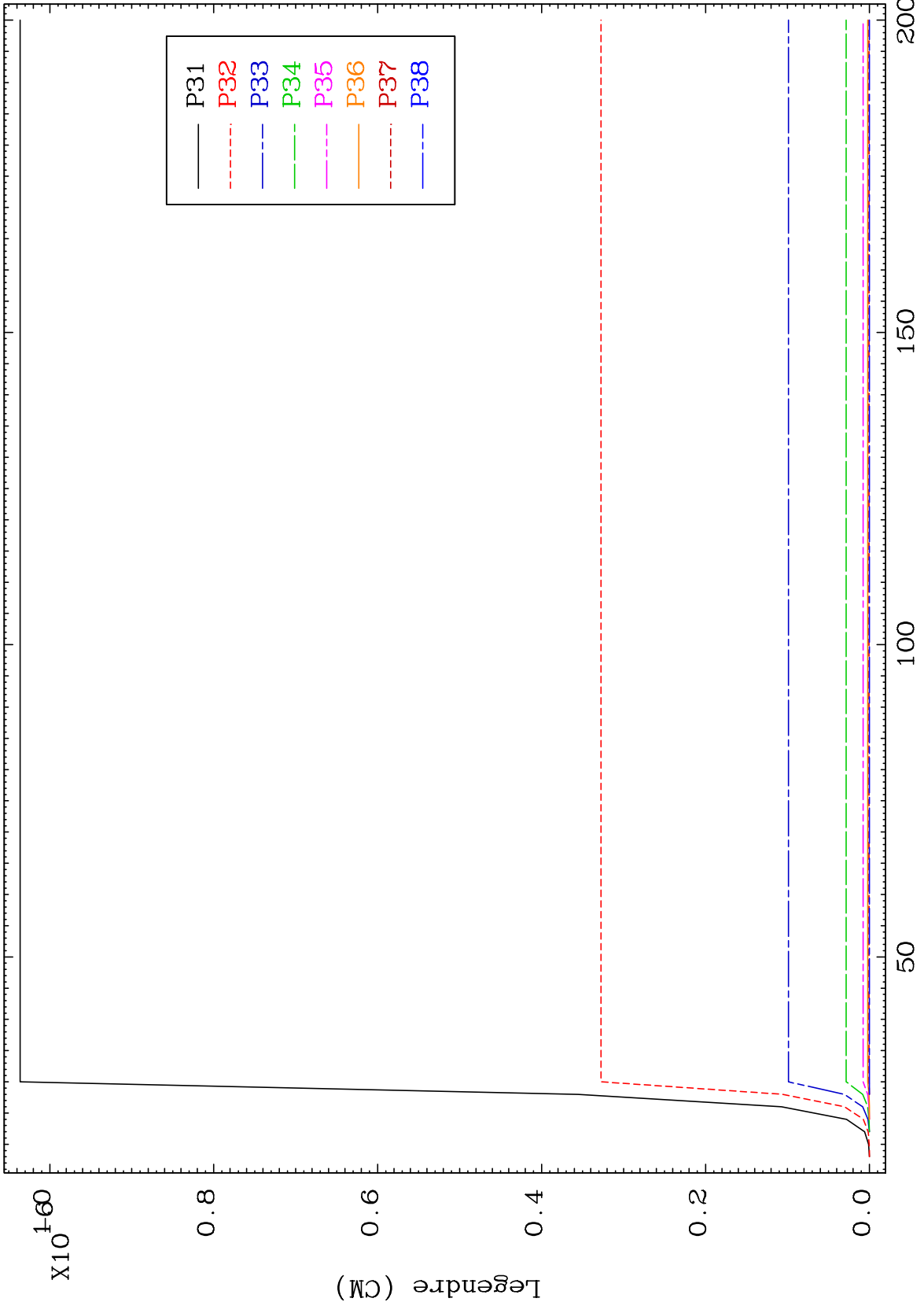
80-Hg-191

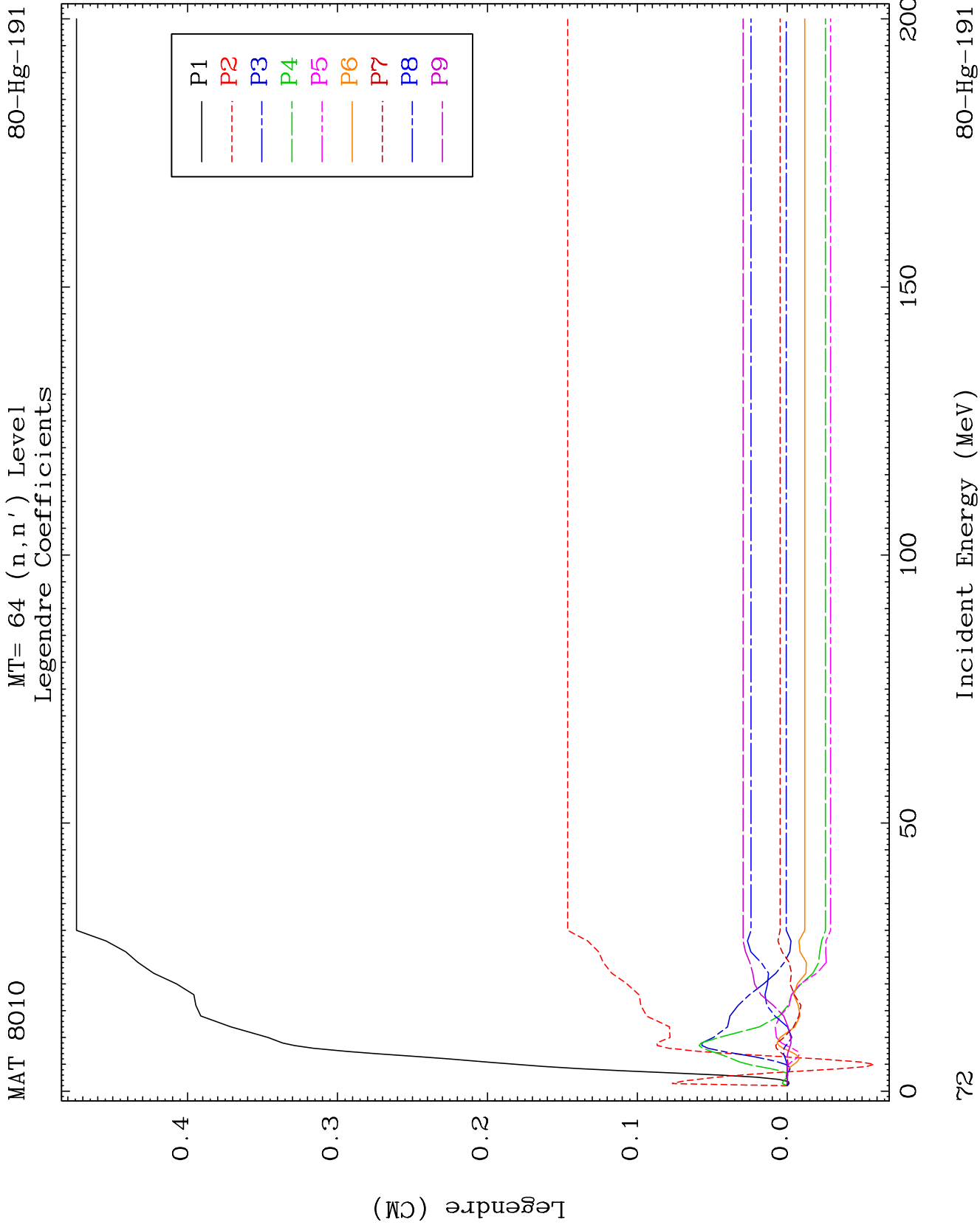
MAT 8010 MT= 63 (n,n') Level Legendre Coefficients 80-Hg-191

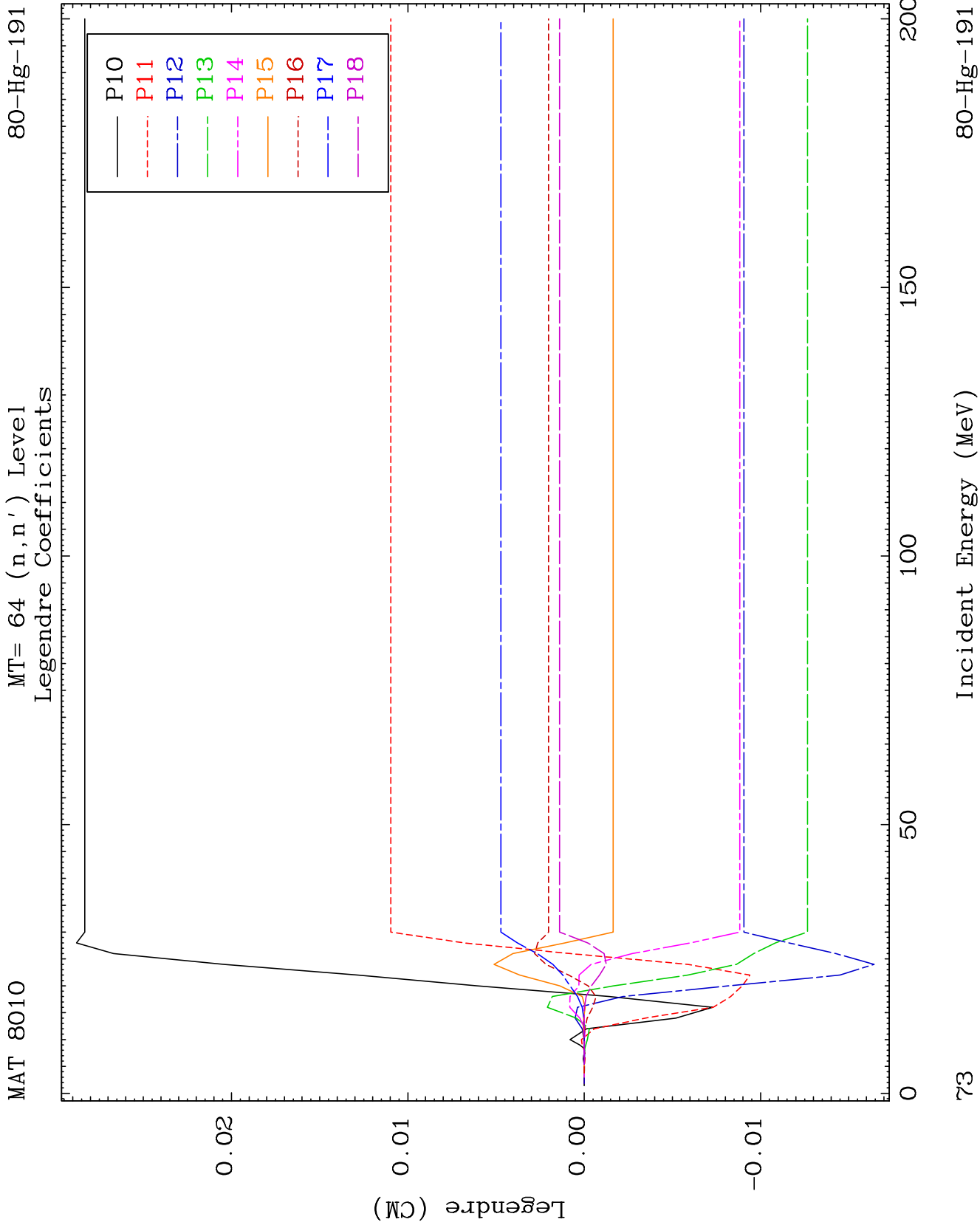


80-Hg-191

MAT 8010 MT= 63 (n,n') Level Legendre Coefficients 80-Hg-191



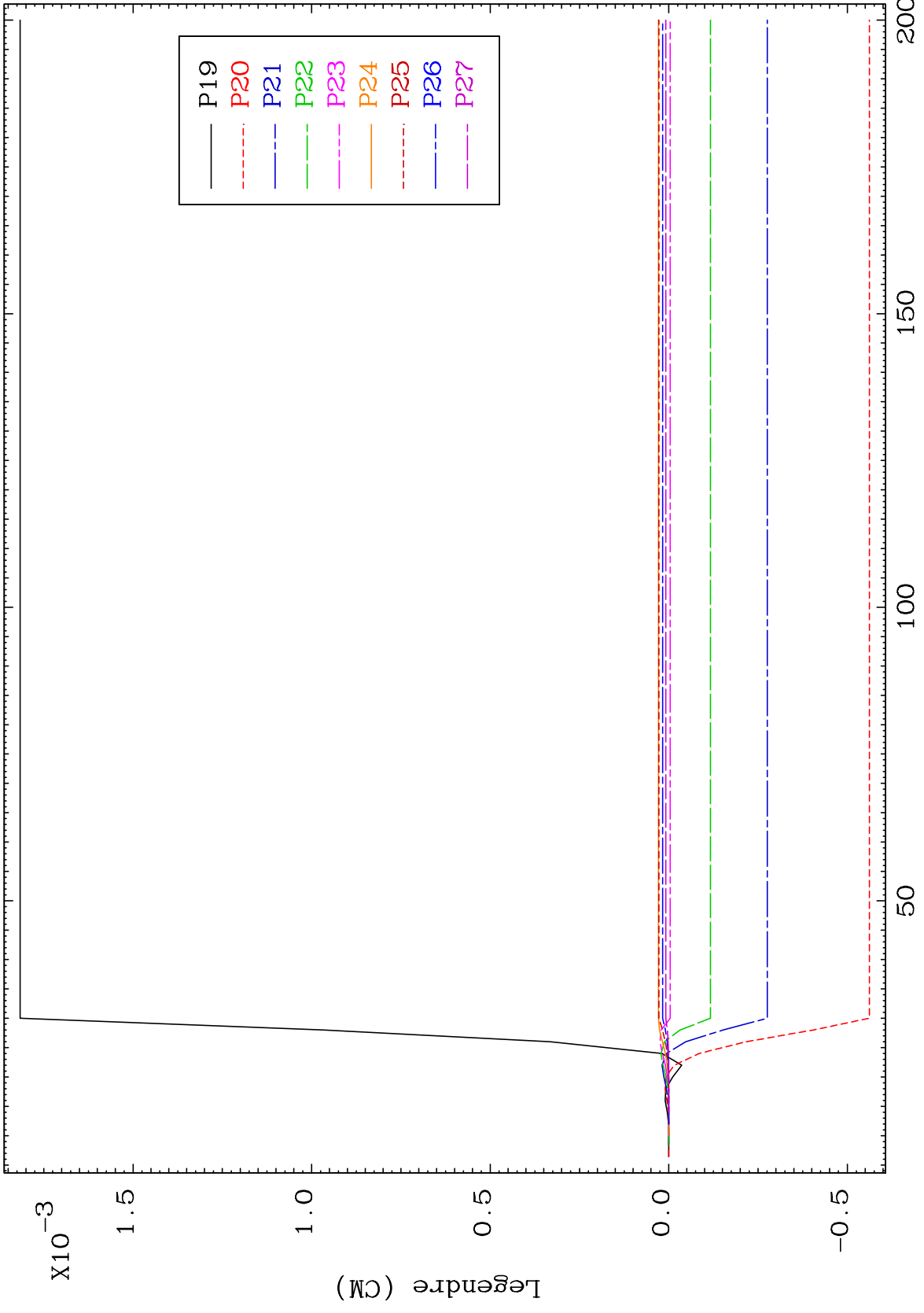




MAT 8010

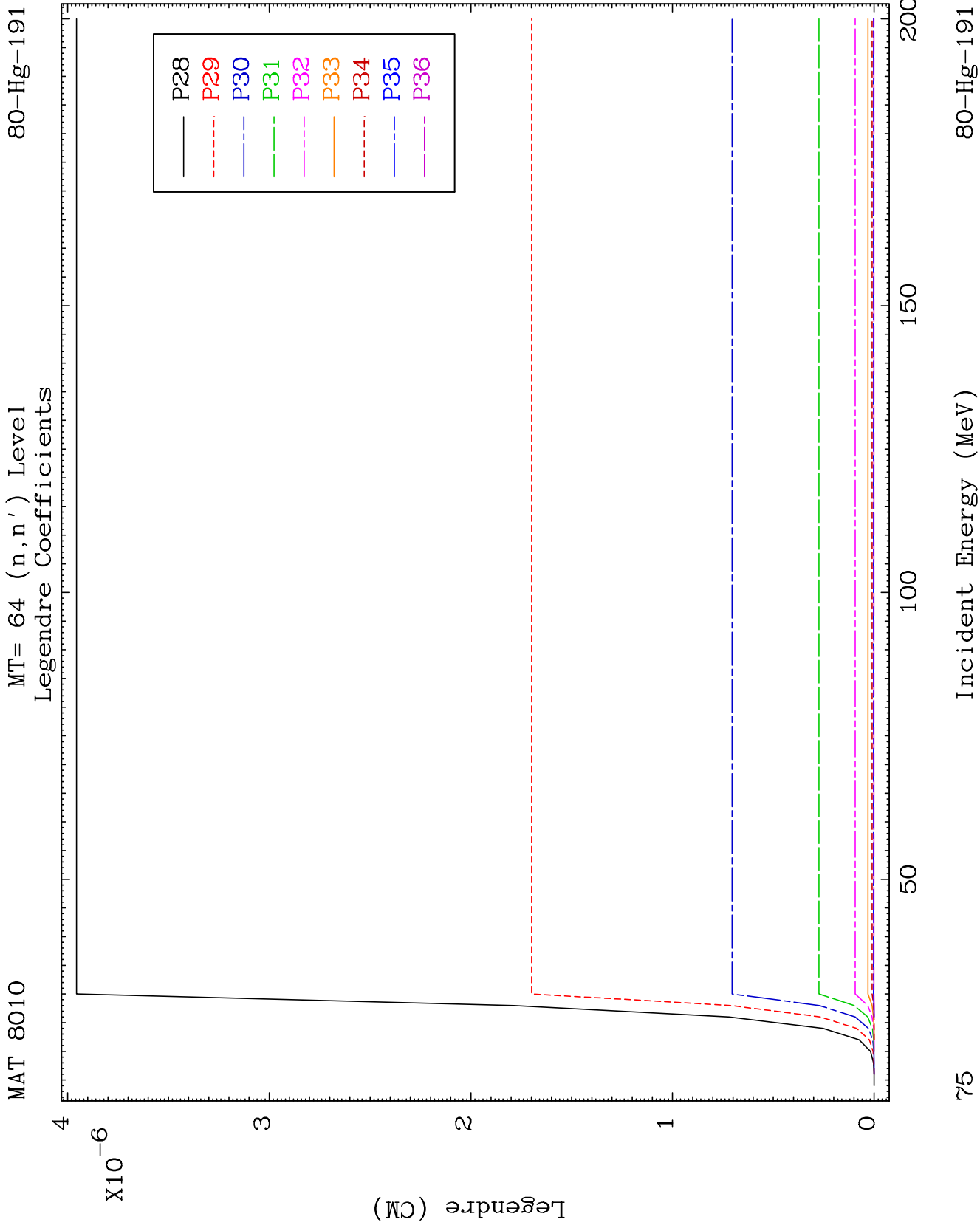
MT= 64 (n,n') Level
Legendre Coefficients

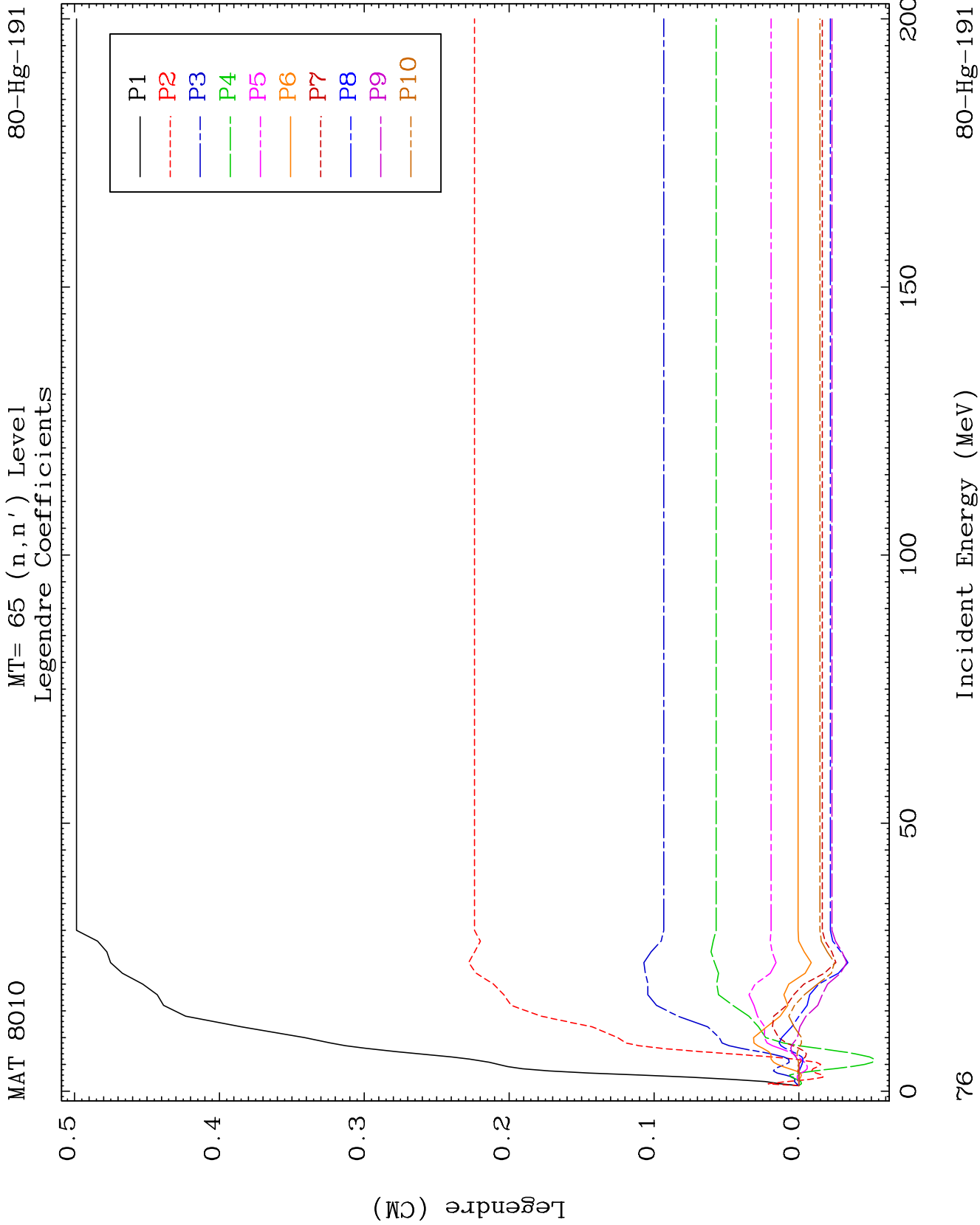
80-Hg-191



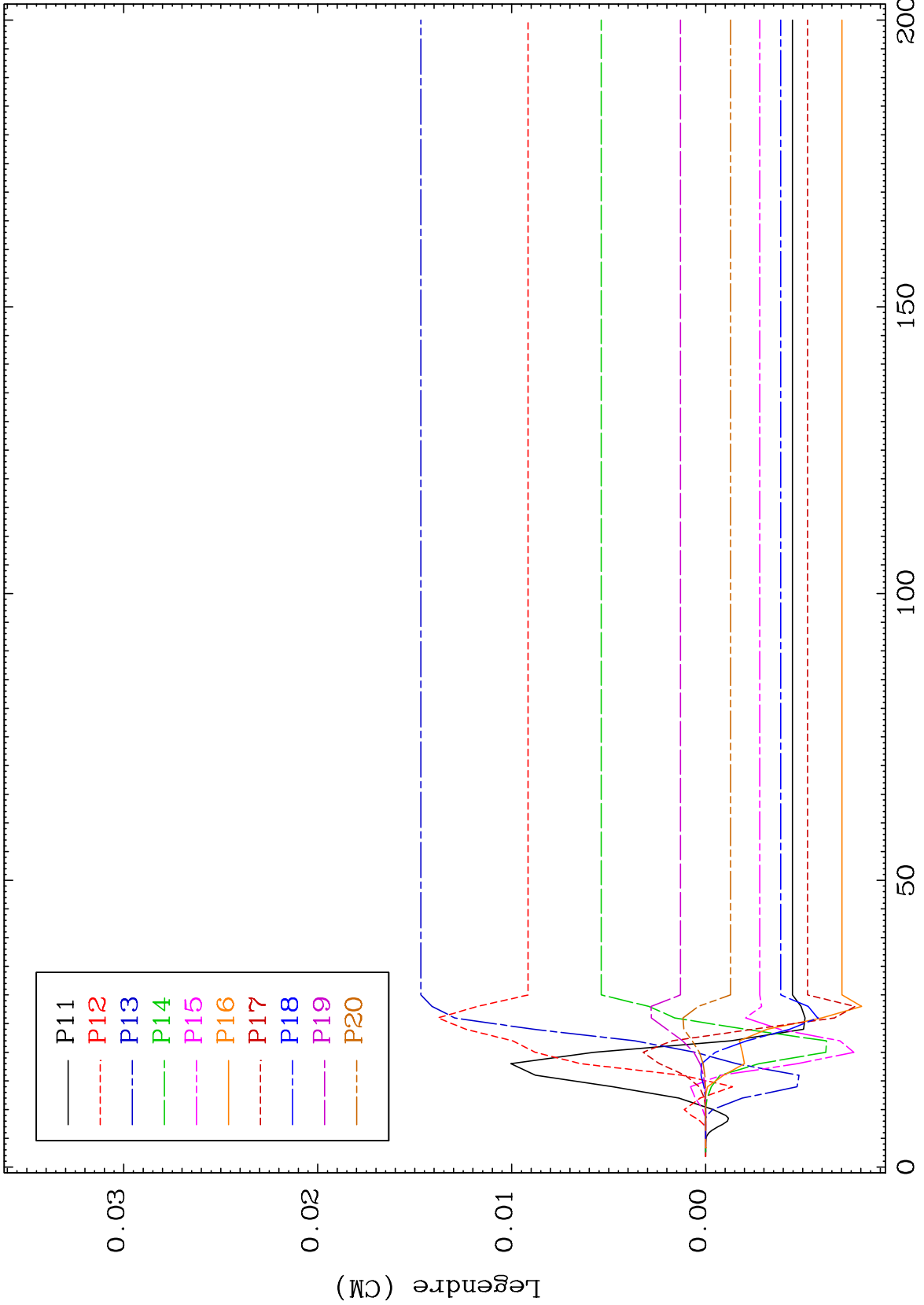
74

80-Hg-191





MAT 8010 MT= 65 (n,n') Level Legendre Coefficients 80-Hg-191



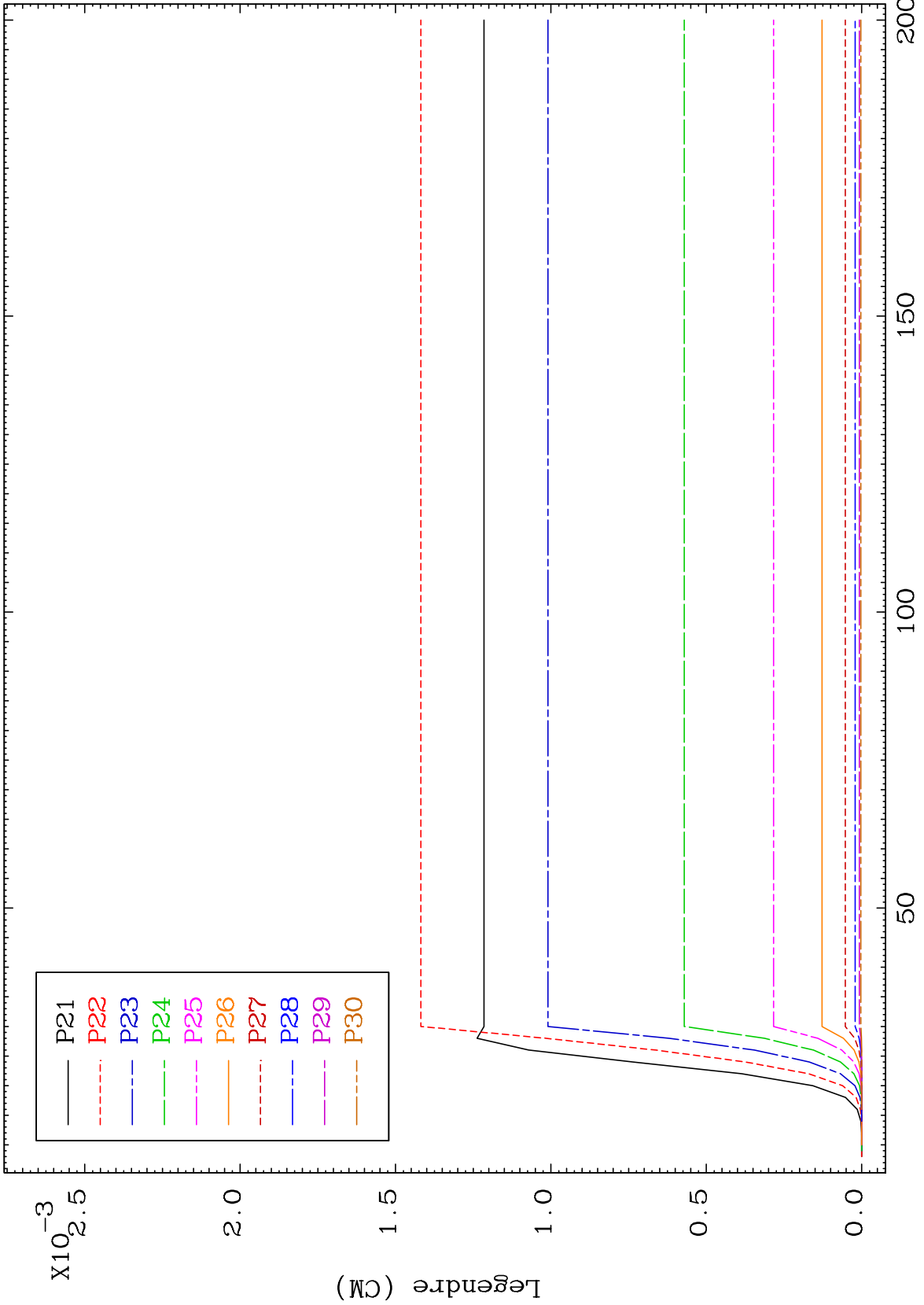
80-Hg-191

Incident Energy (MeV)

MAT 8010

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

80-Hg-191

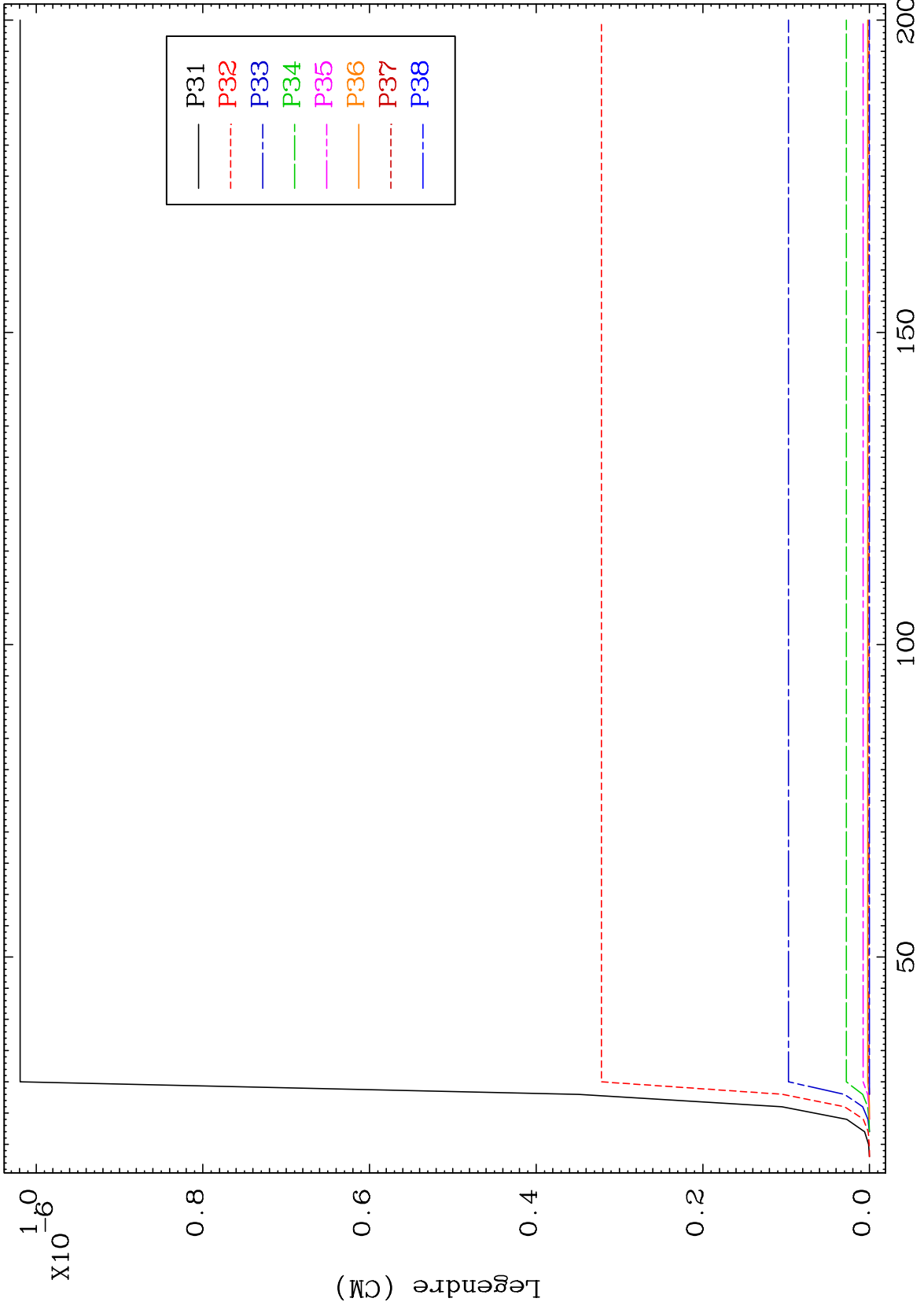


78

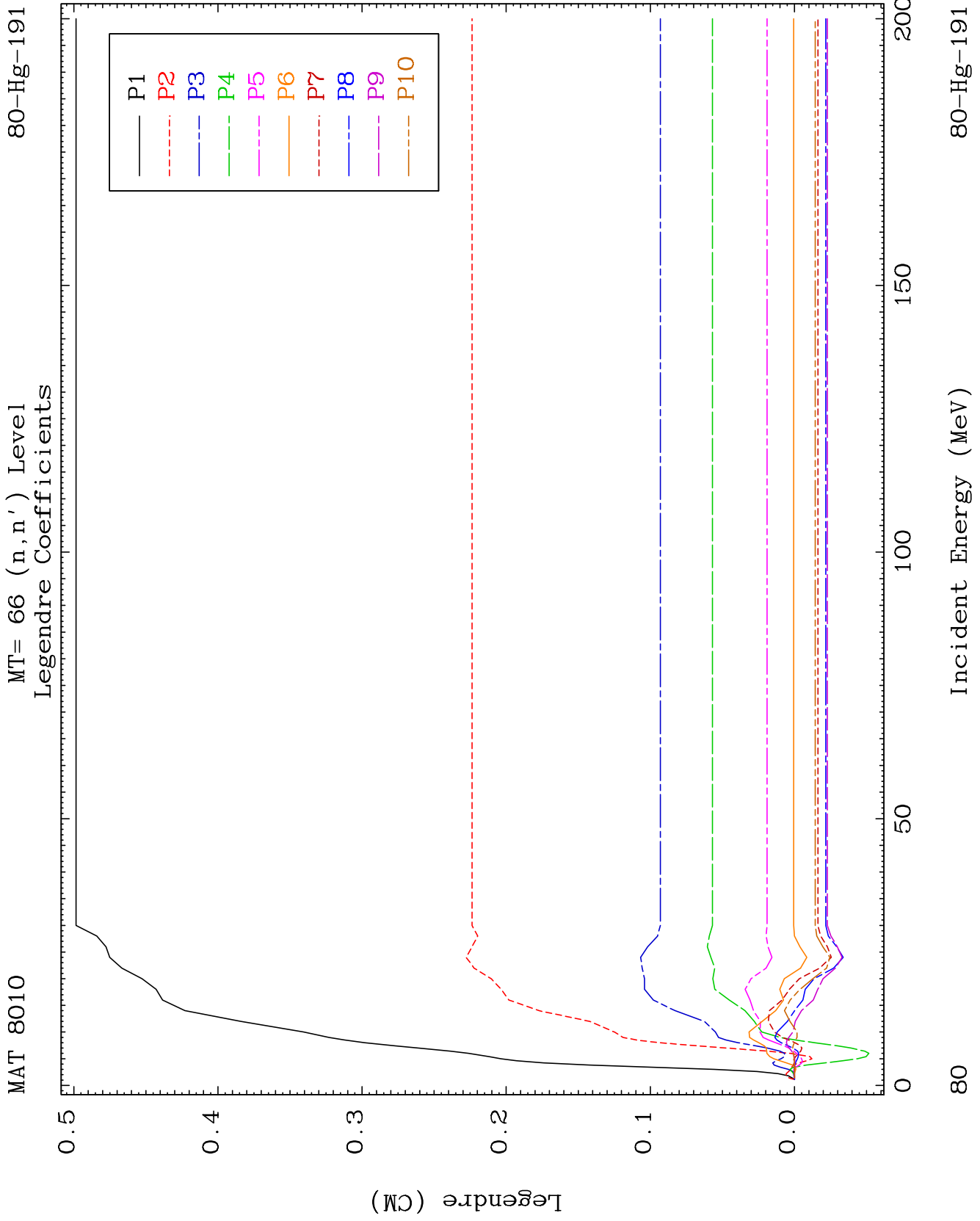
Incident Energy (MeV)

80-Hg-191

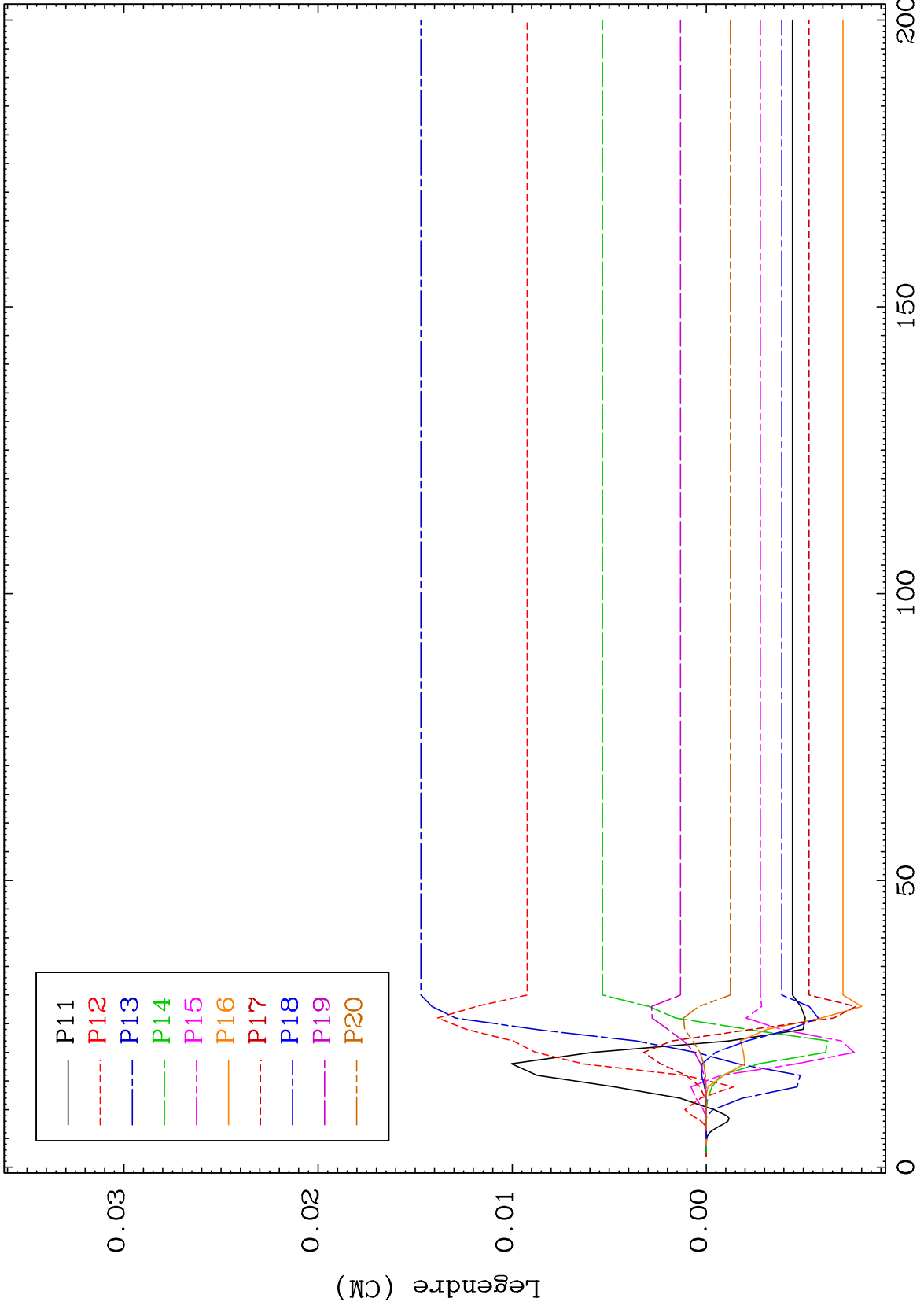
MAT 8010 MT= 65 (n,n') Level Legendre Coefficients 80-Hg-191



79 80-Hg-191



MAT 8010 MT= 66 (n,n') Level Legendre Coefficients 80-Hg-191

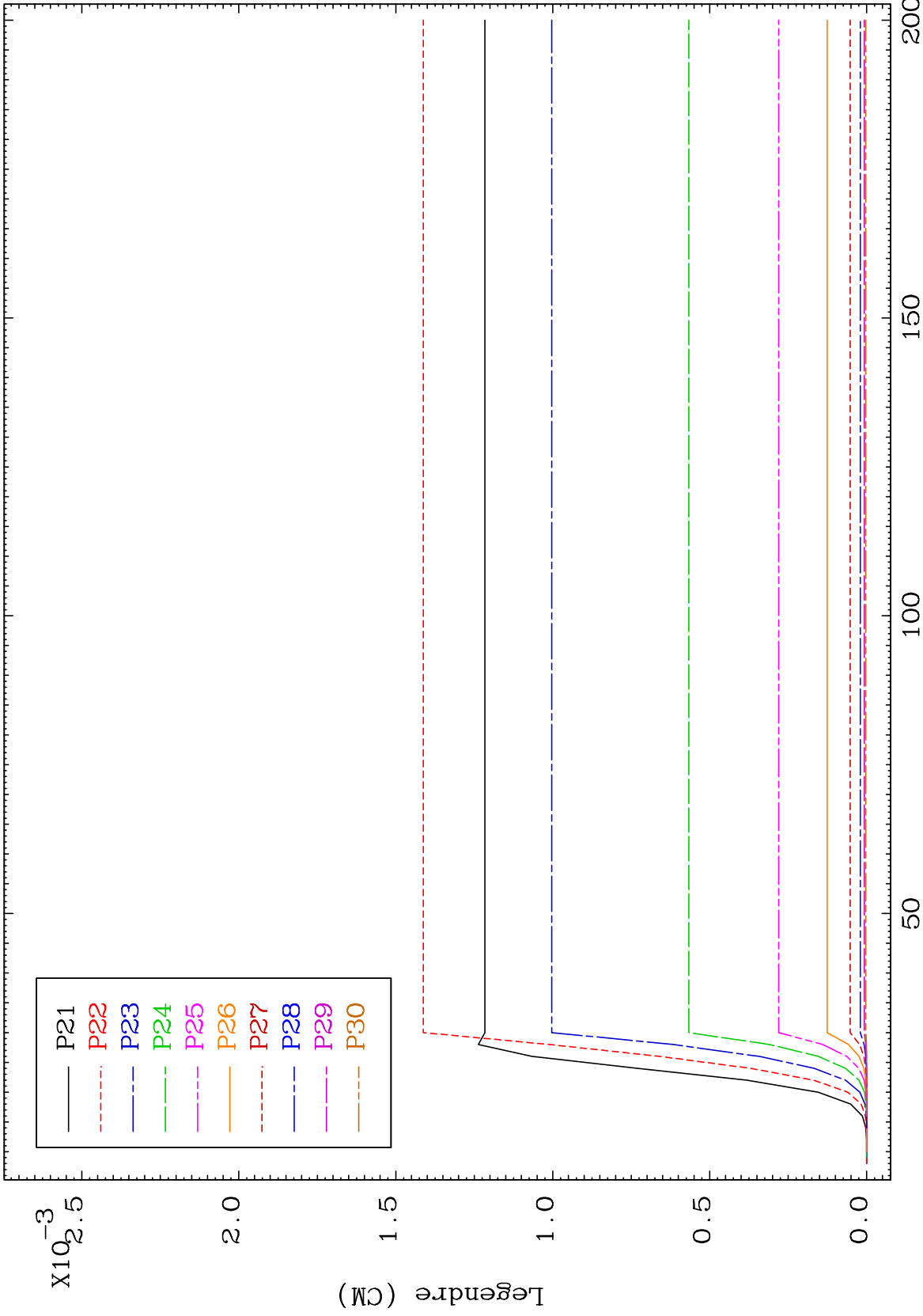


81 80-Hg-191

MAT 8010

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

80-Hg-191

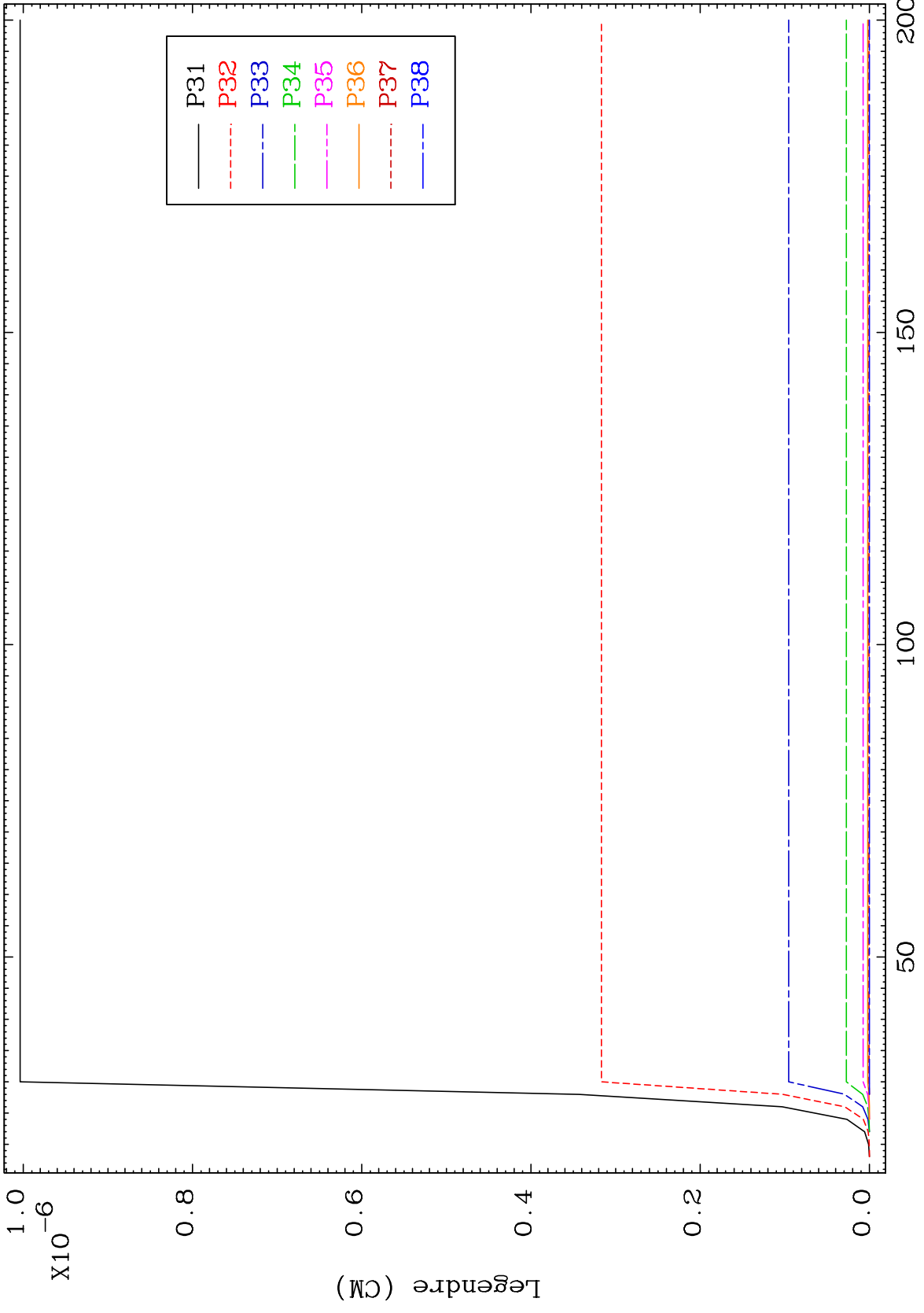


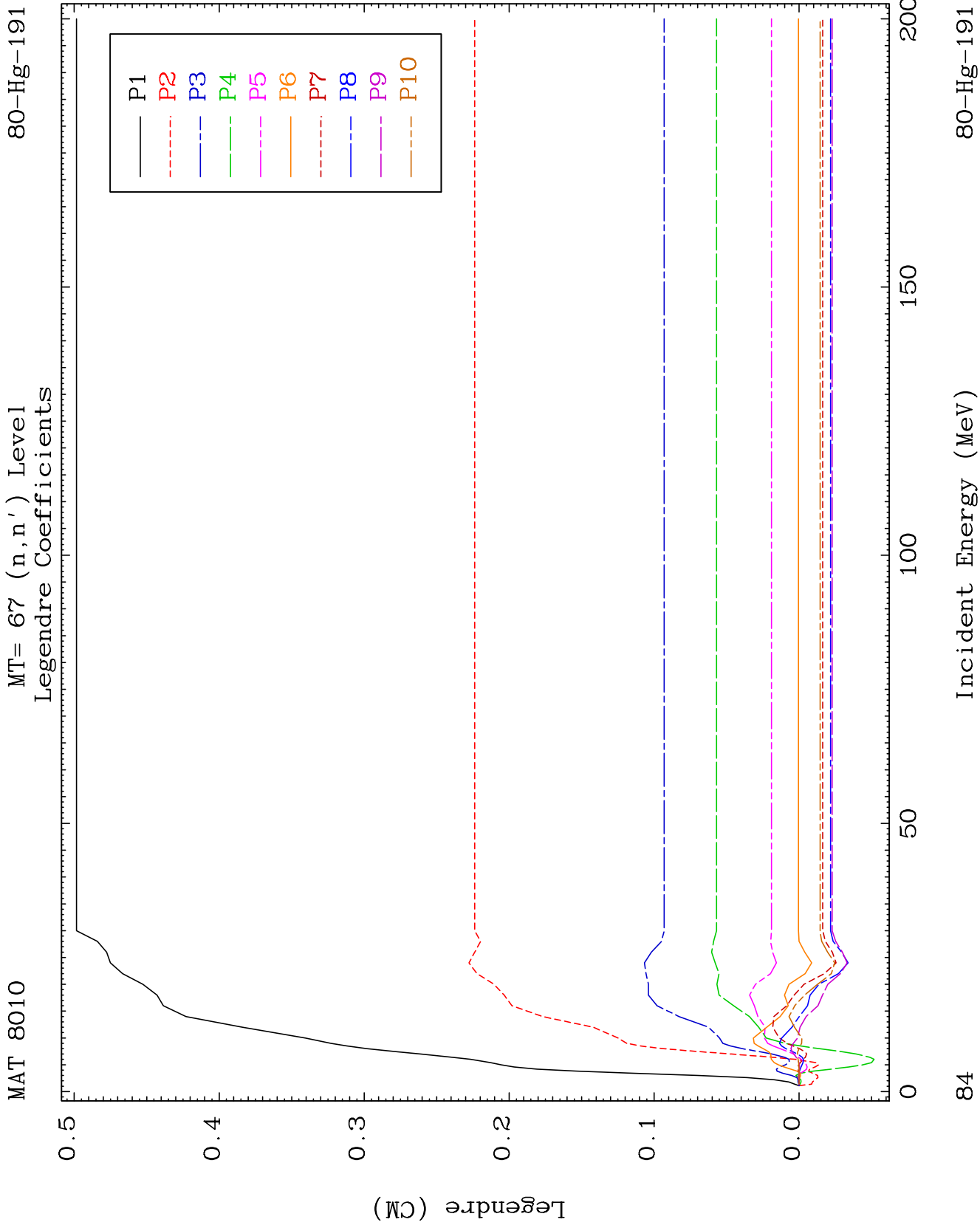
82

Incident Energy (MeV)

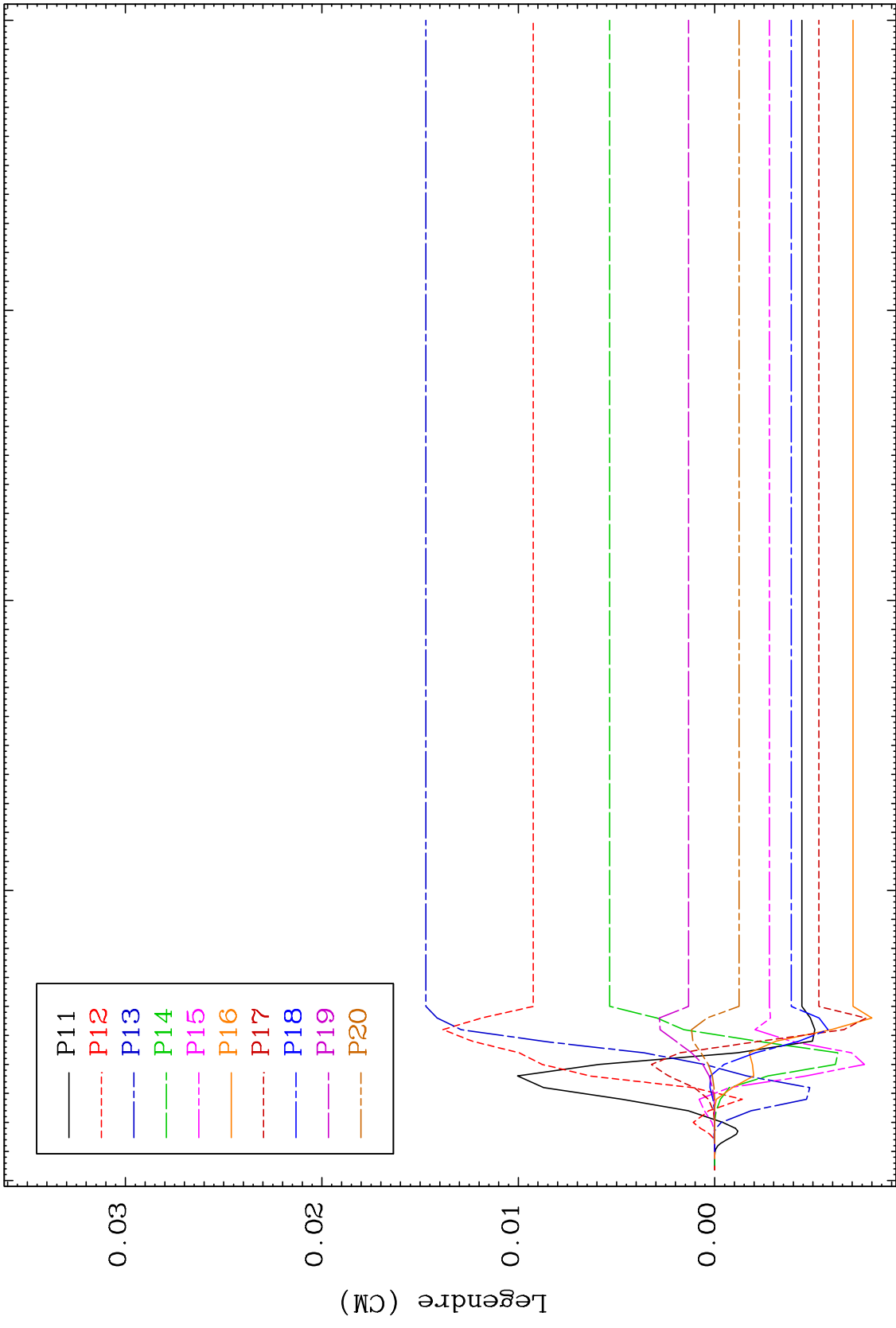
80-Hg-191

MAT 8010 MT= 66 (n,n') Level Legendre Coefficients 80-Hg-191





MAT 8010 MT= 67 (n,n') Level Legendre Coefficients 80-Hg-191

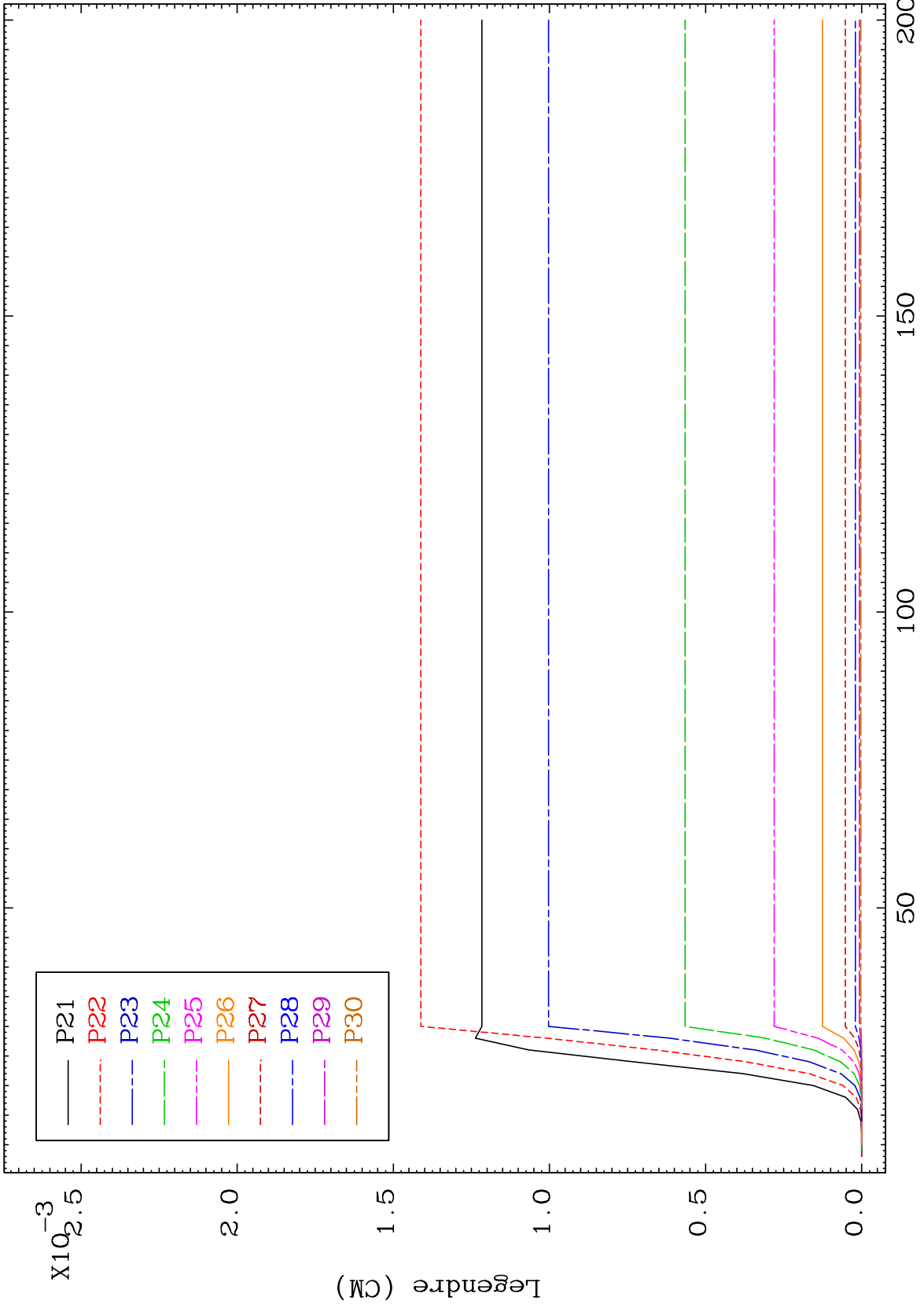


85 Incident Energy (MeV) 80-Hg-191

MAT 8010

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

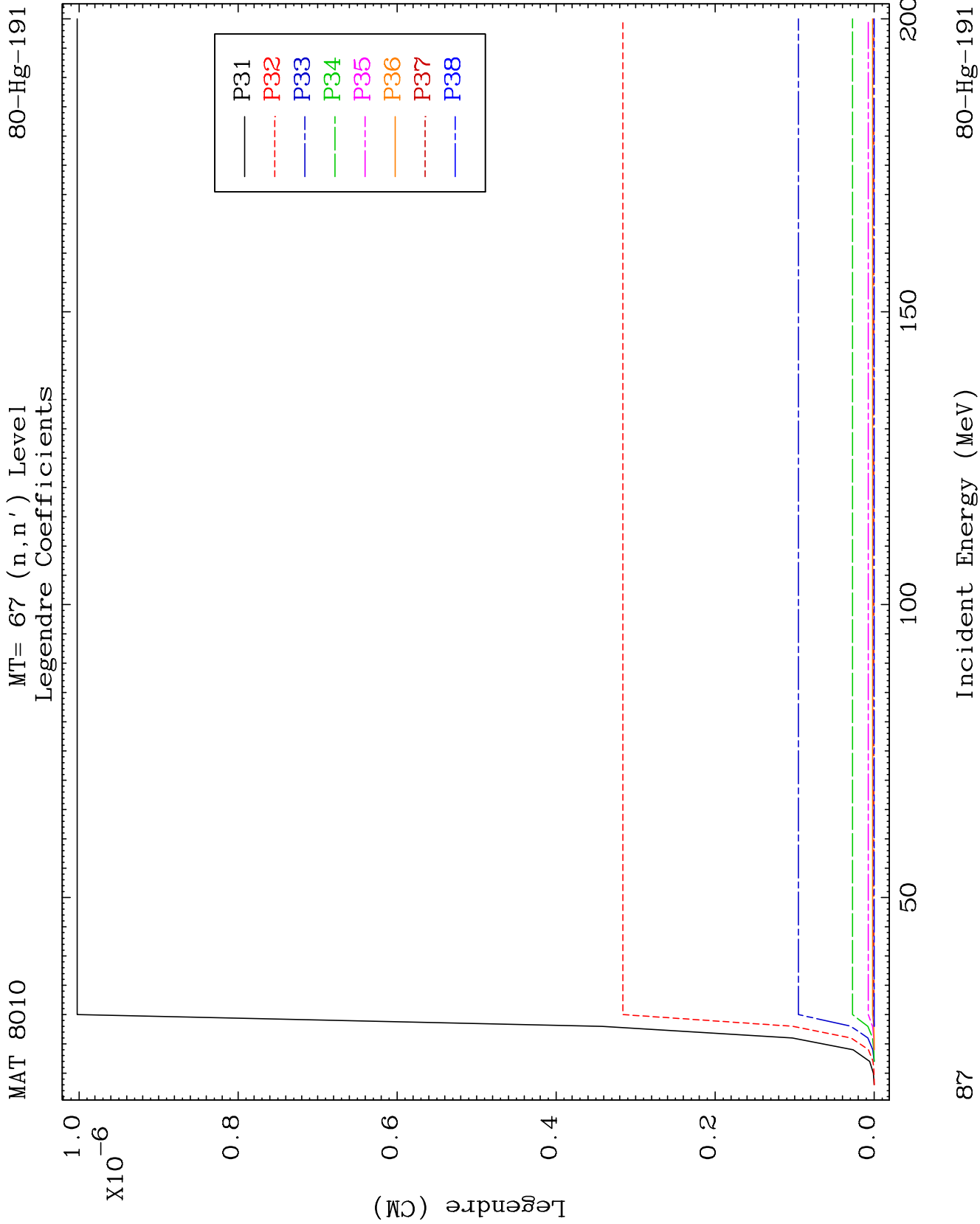
80-Hg-191

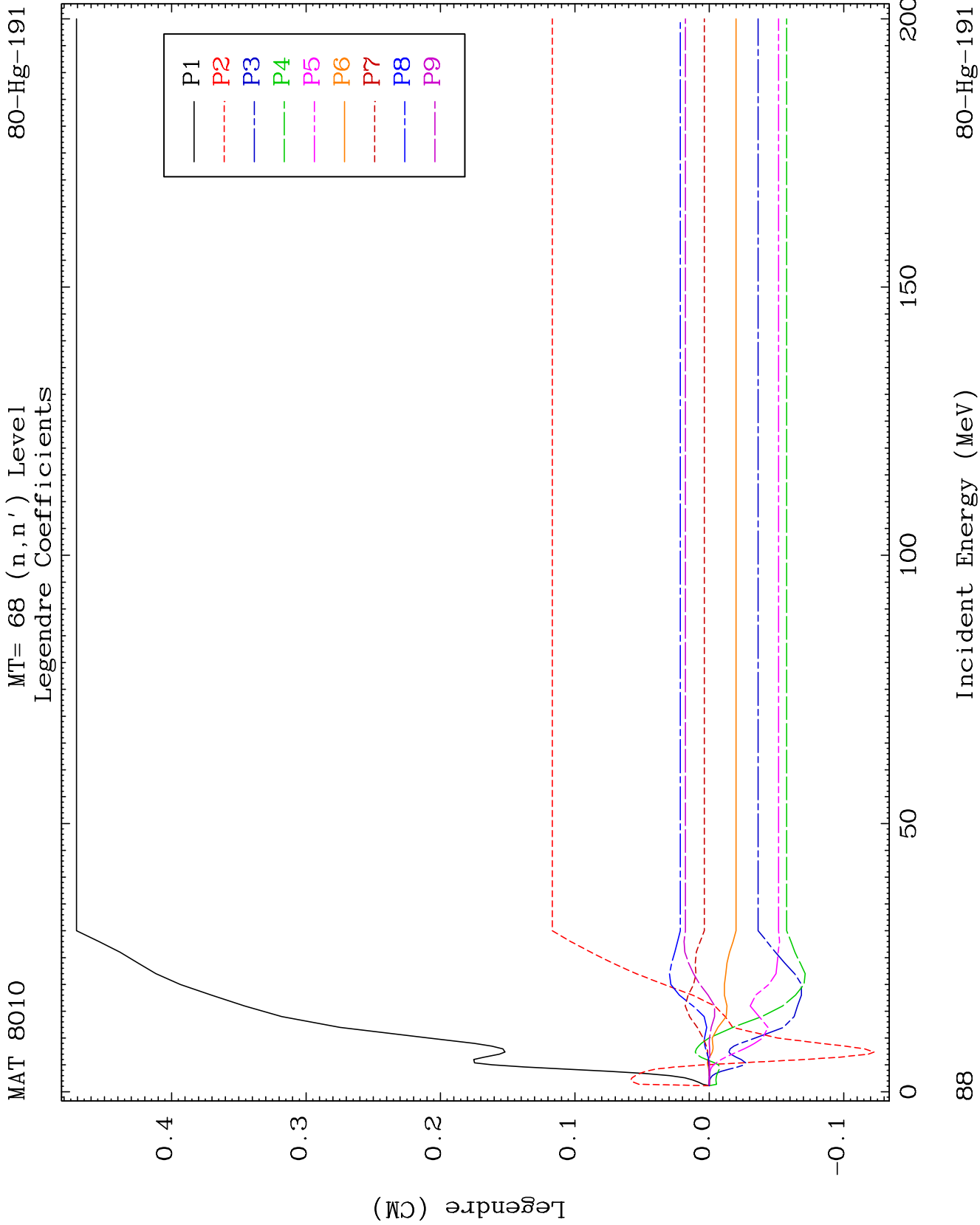


86

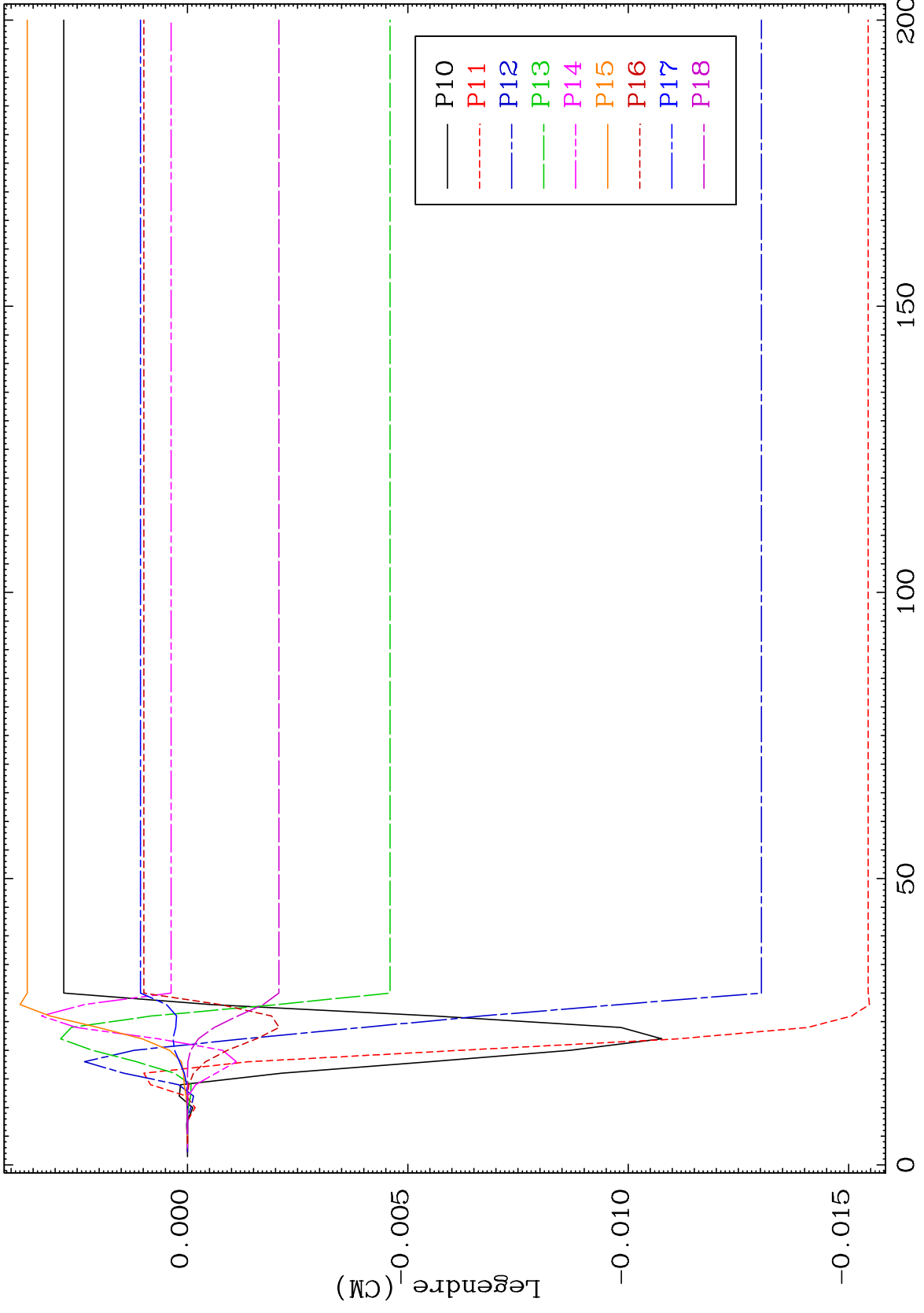
Incident Energy (MeV)

80-Hg-191



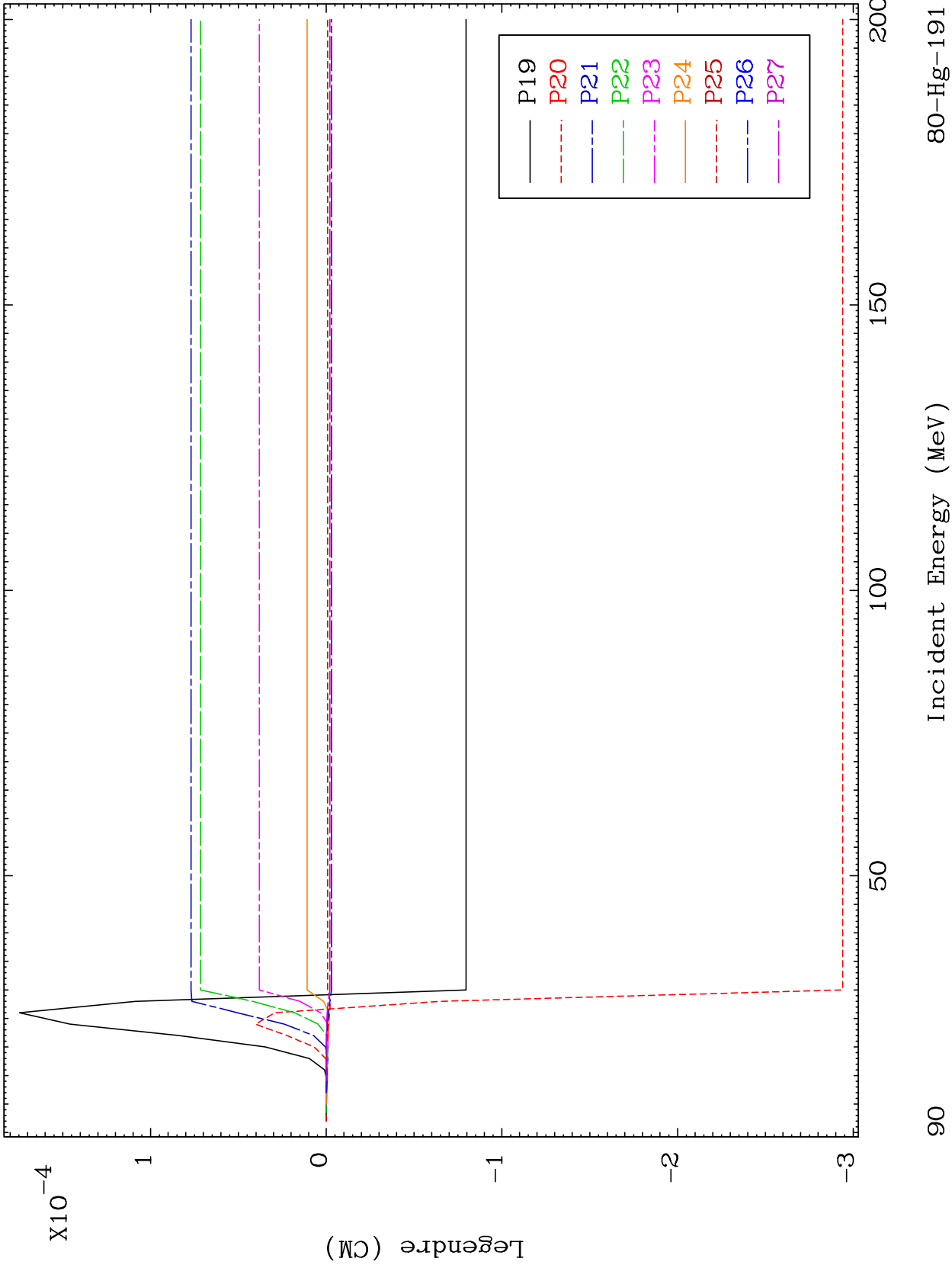


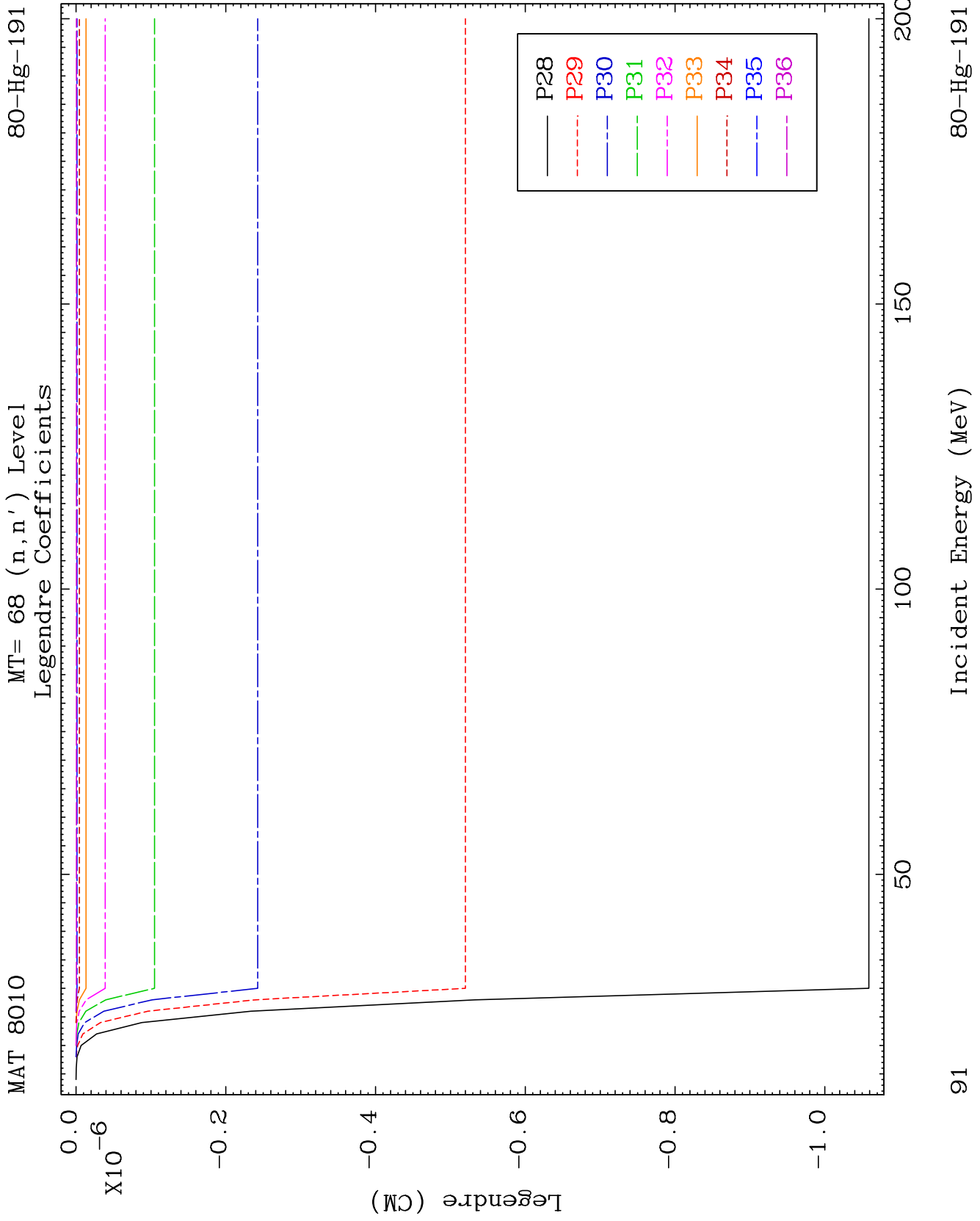
MAT 8010 MT= 68 (n,n') Level Legendre Coefficients 80-Hg-191



89 80-Hg-191

MAT 8010 MT= 68 (n,n') Level Legendre Coefficients 80-Hg-191

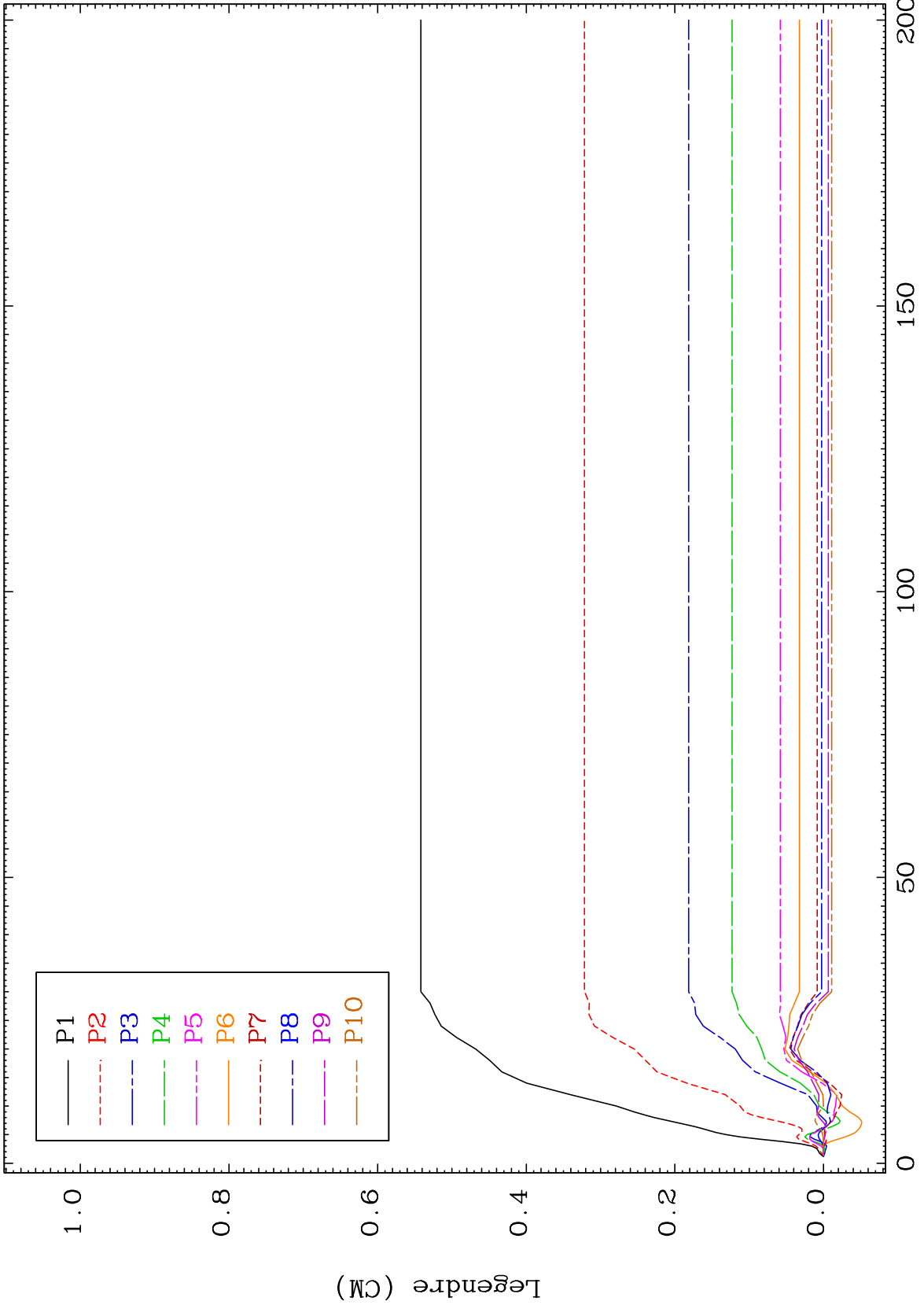




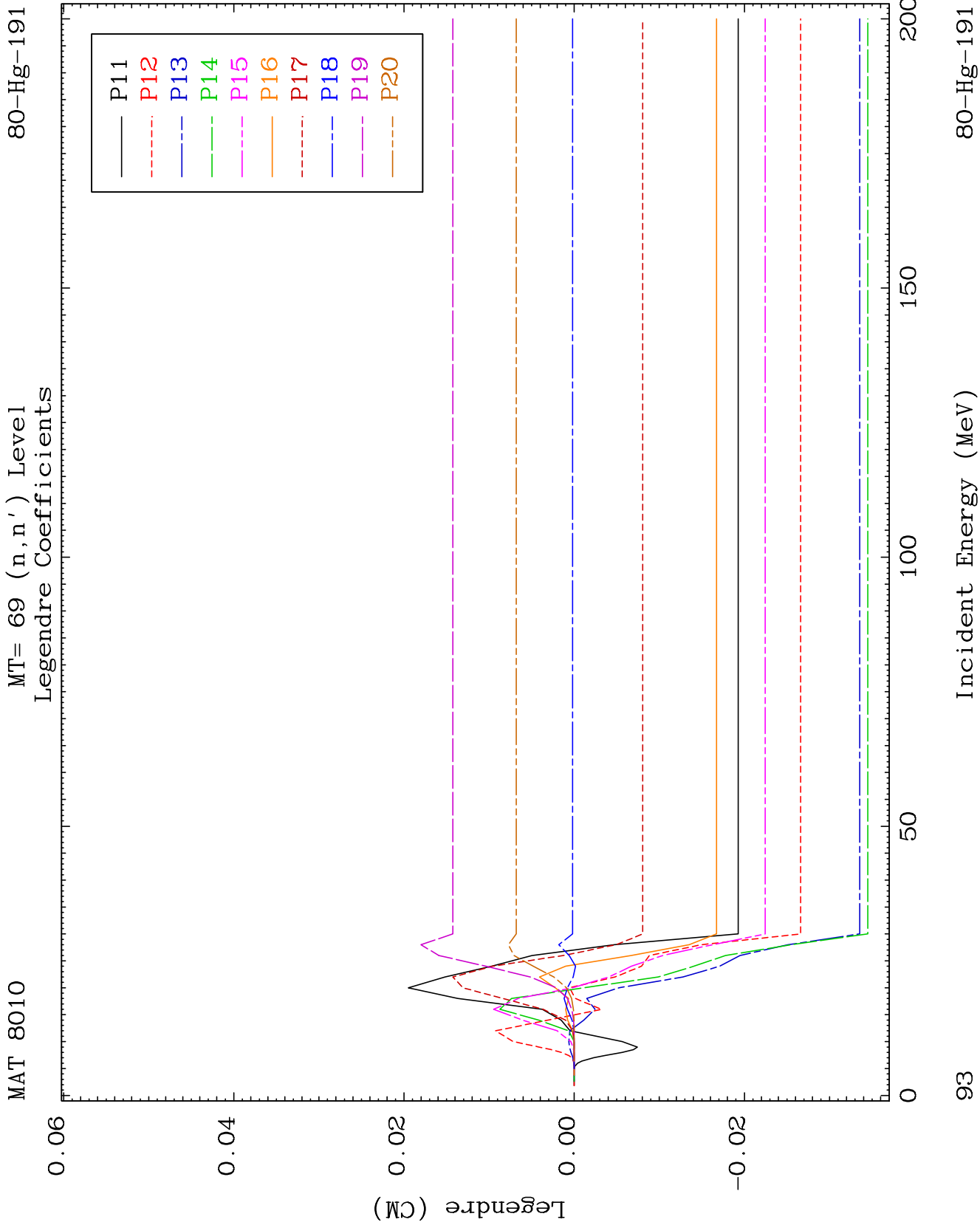
MAT 8010 MT= 69 (n,n') Level Legendre Coefficients

80-Hg-191

80-Hg-191



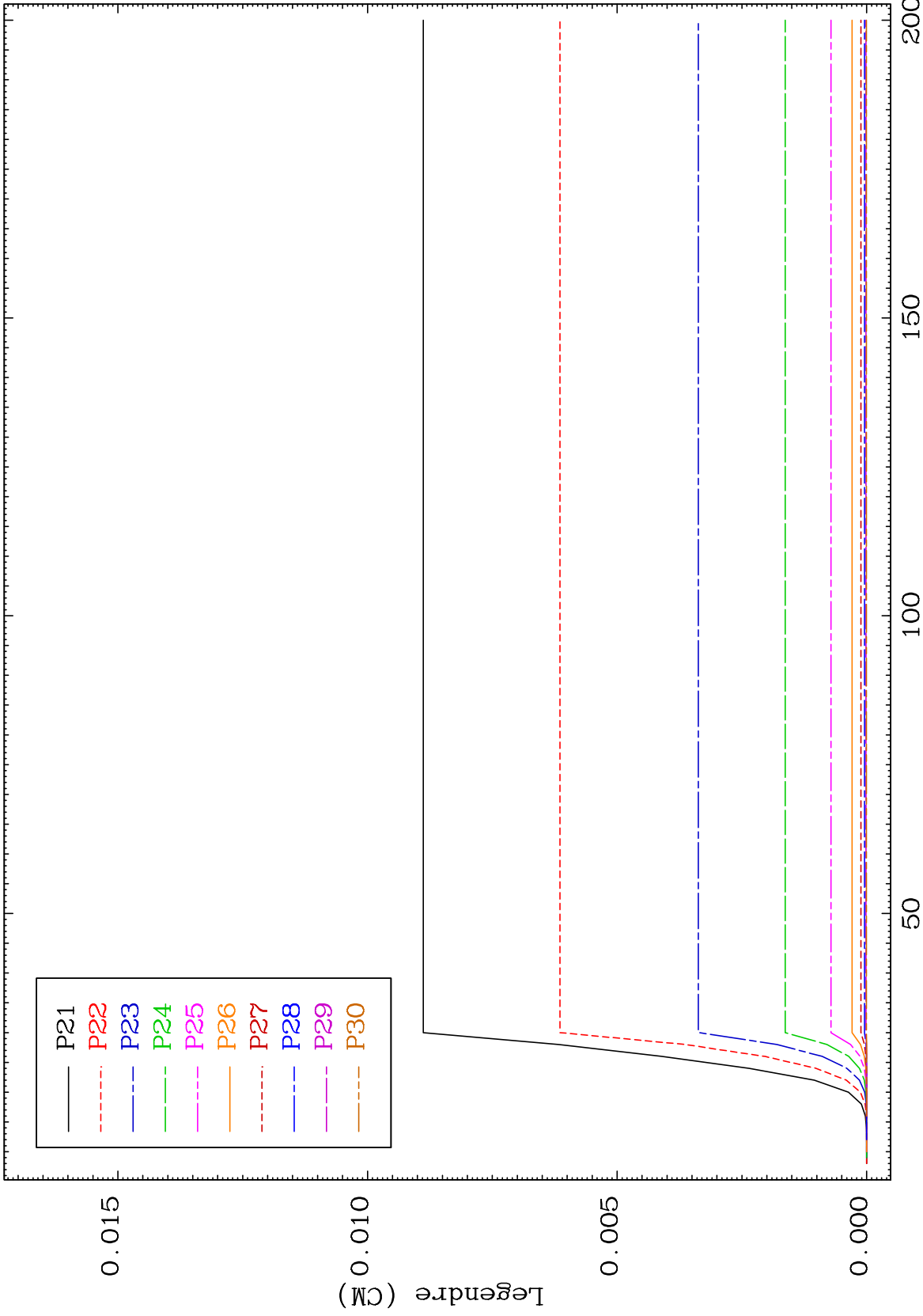
92



MAT 8010

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

80-Hg-191



94

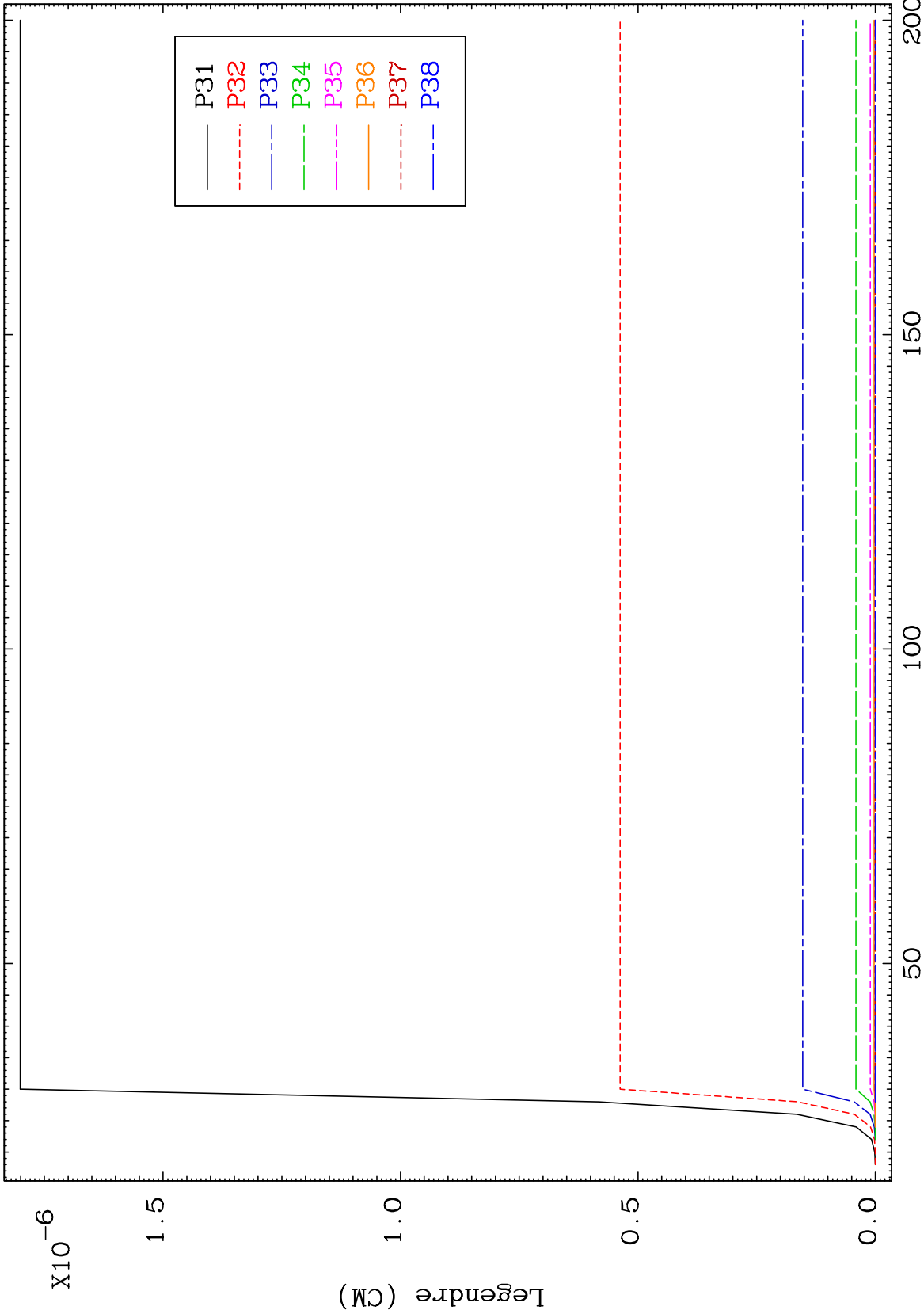
Incident Energy (MeV)

80-Hg-191

MAT 8010

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

80-Hg-191

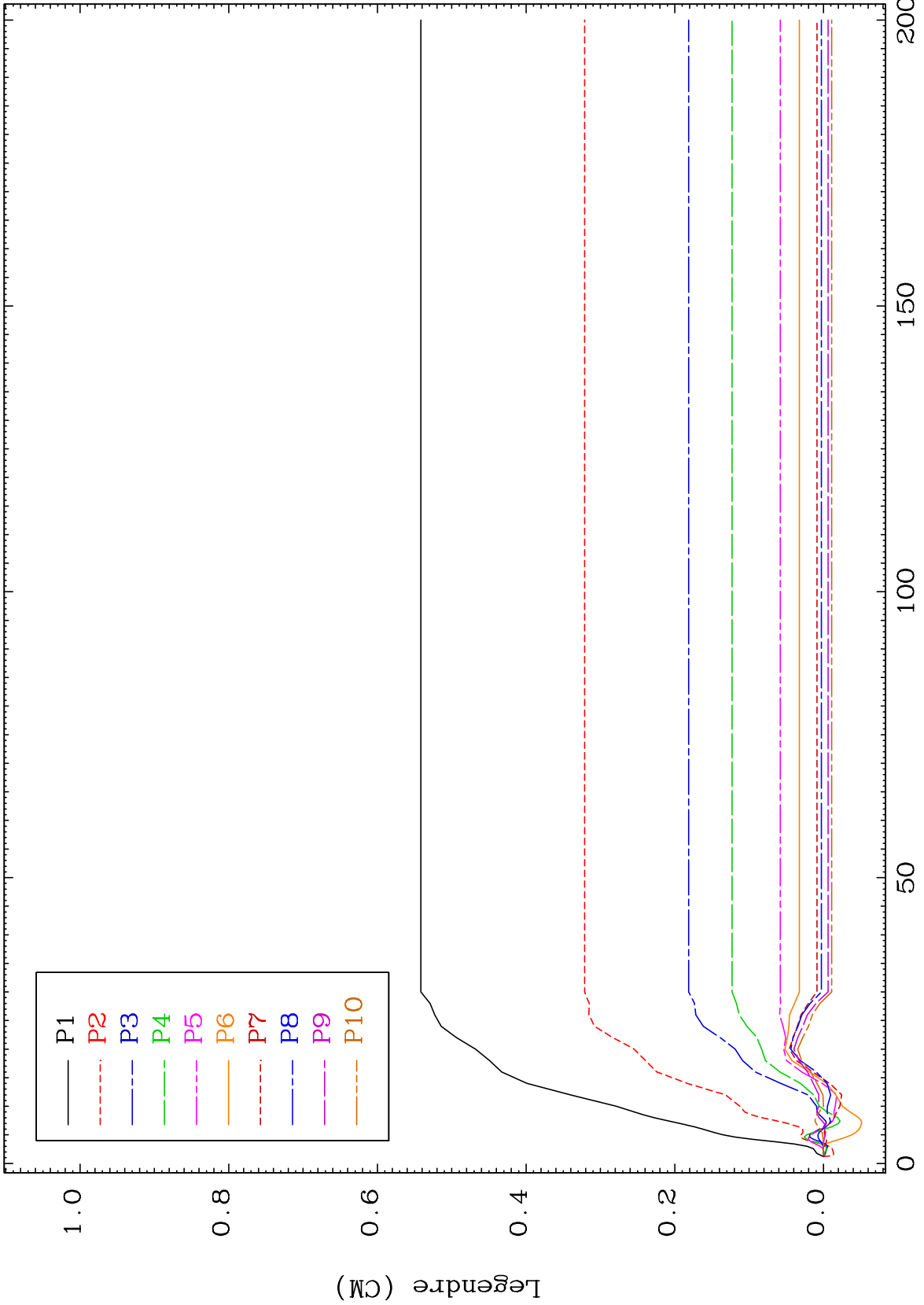


95

Incident Energy (MeV)

80-Hg-191

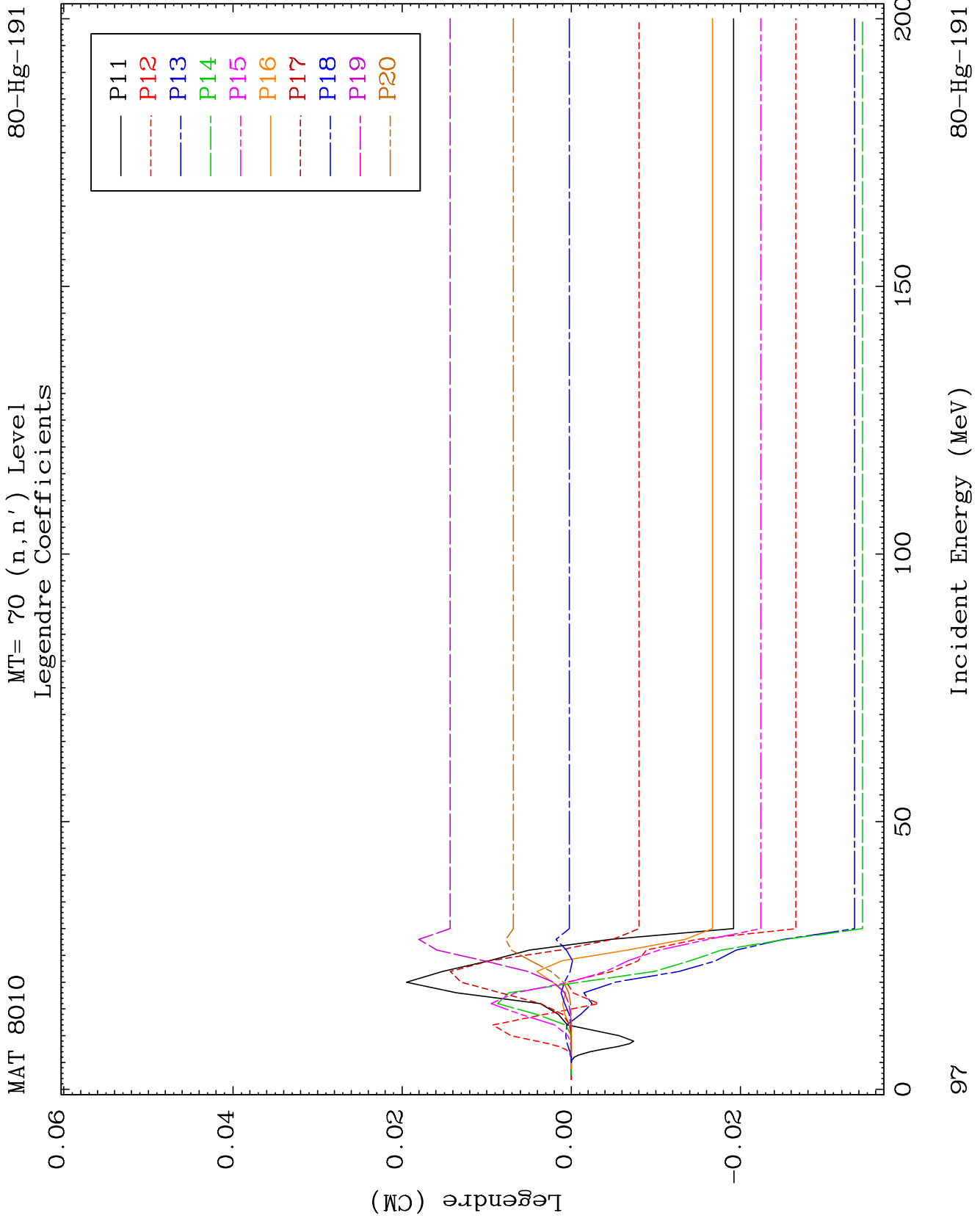
MAT 8010 MT= 70 (n,n') Level Legendre Coefficients 80-Hg-191



80-Hg-191

Incident Energy (MeV)

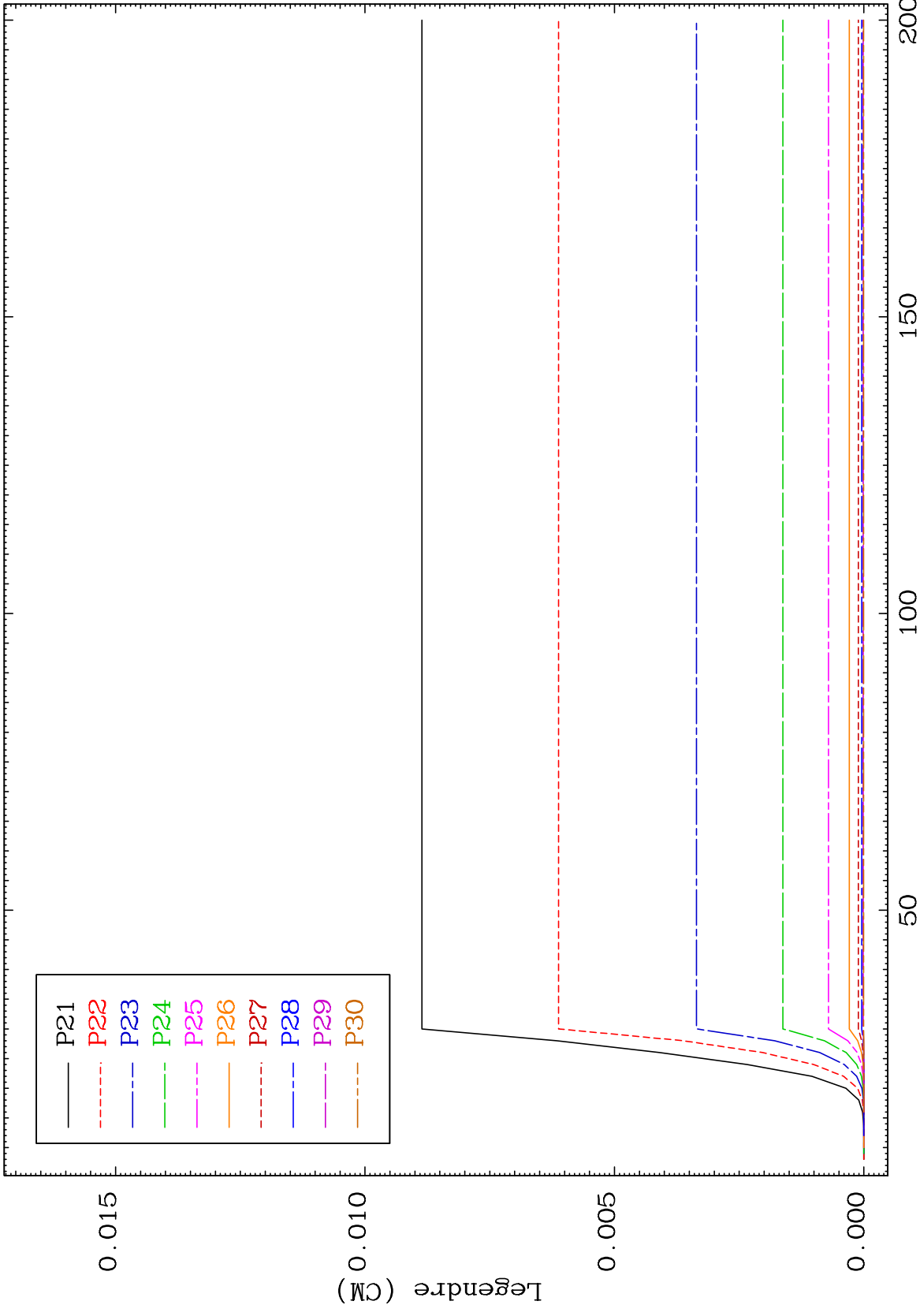
96



MAT 8010

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

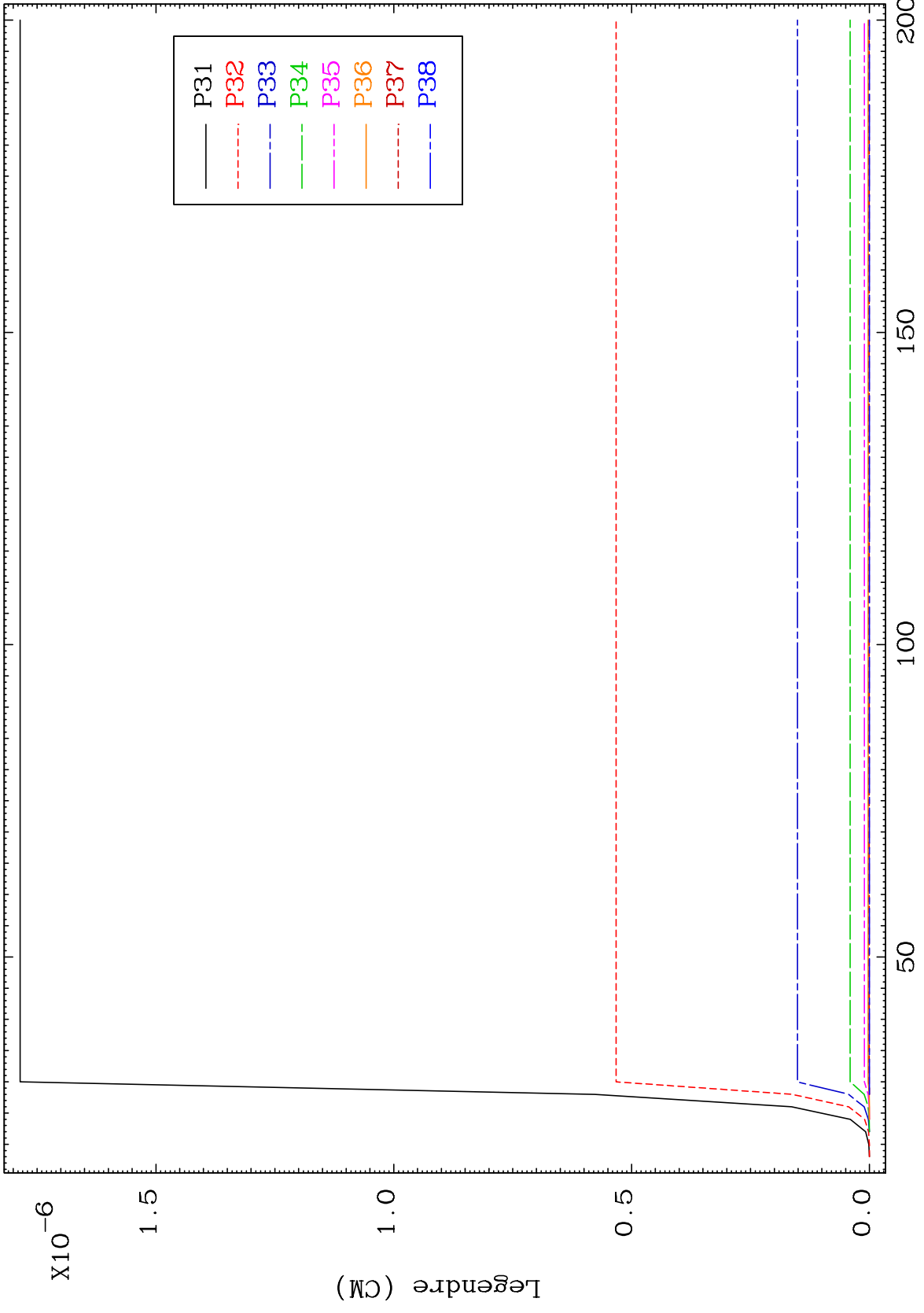
80-Hg-191



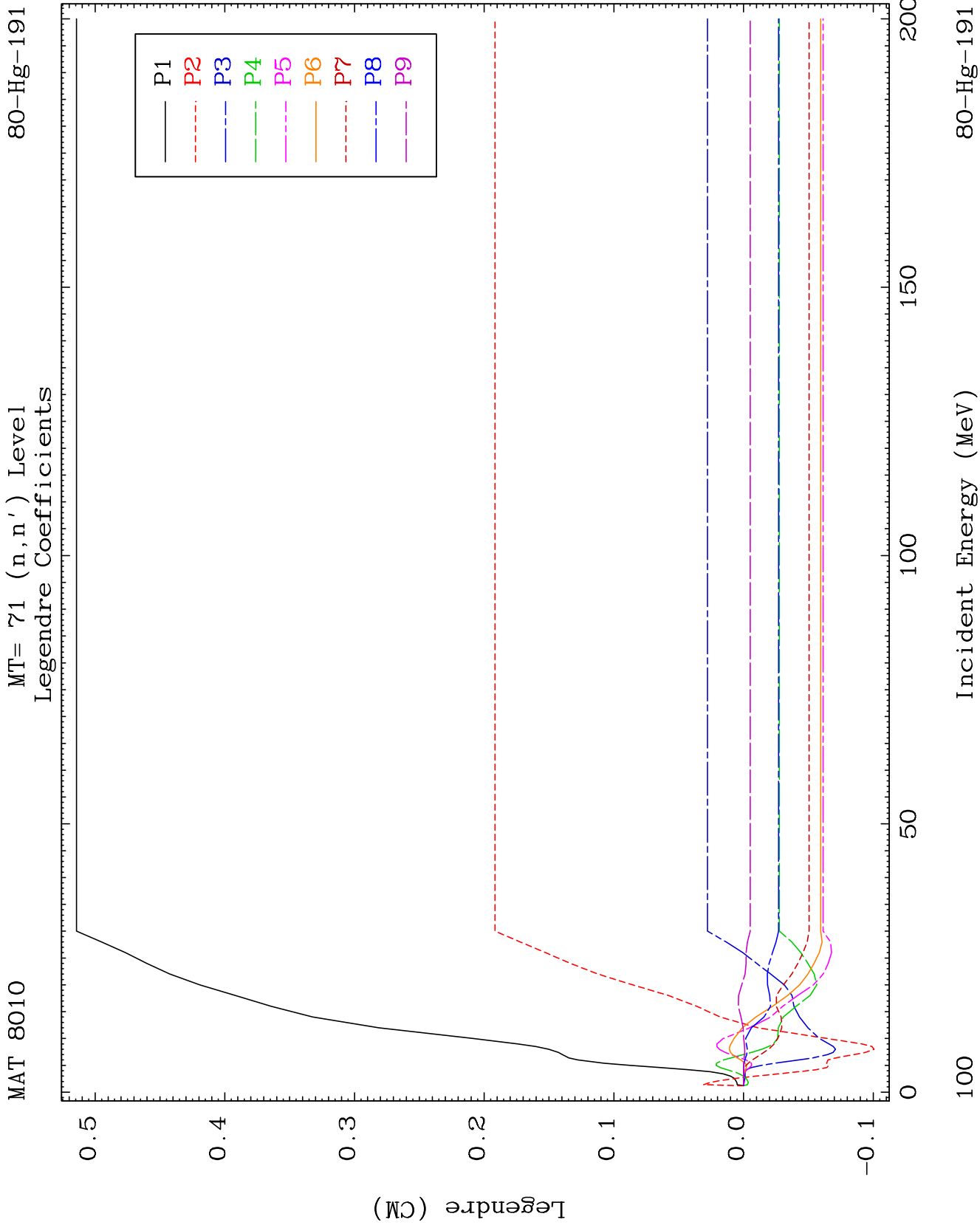
98

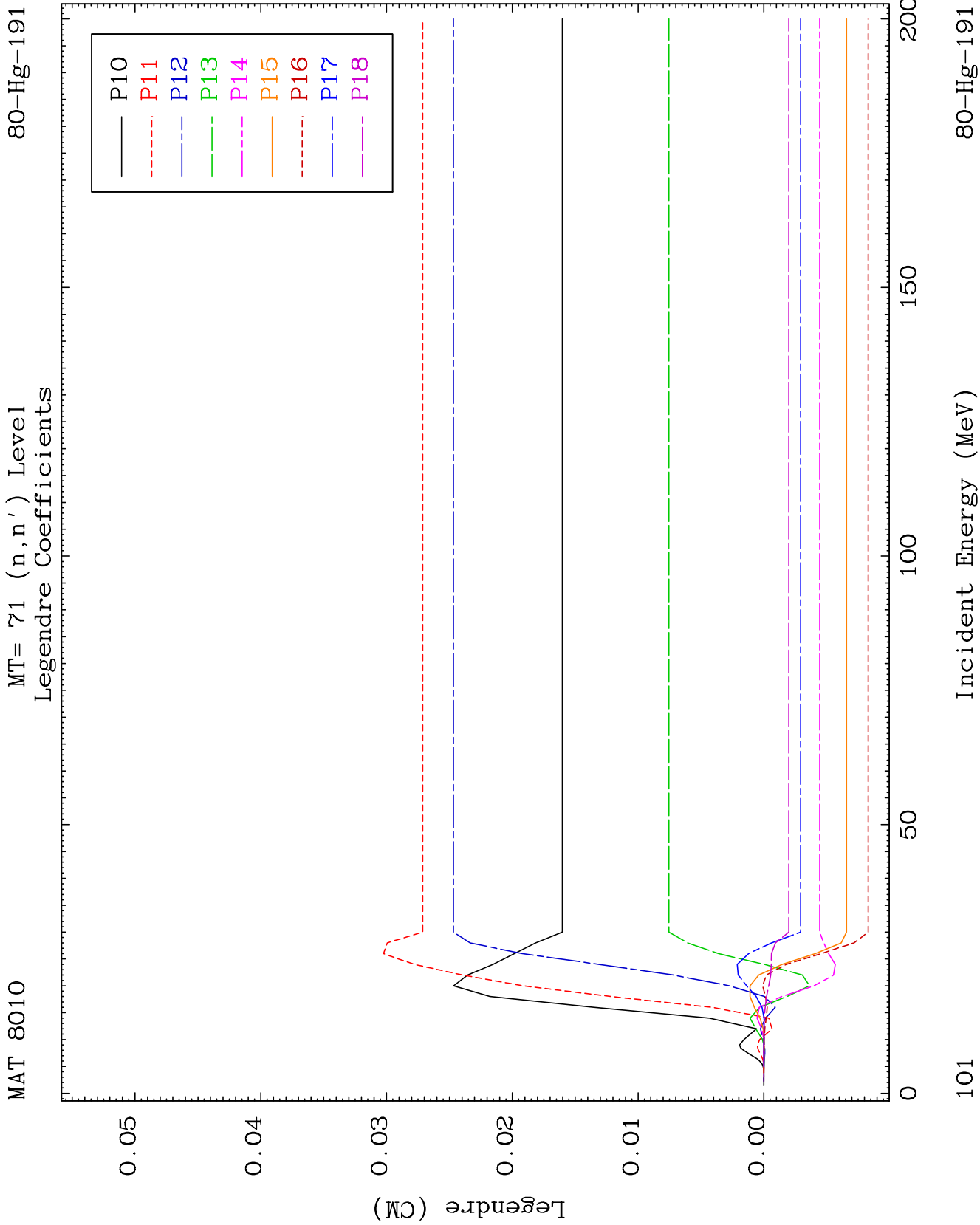
80-Hg-191

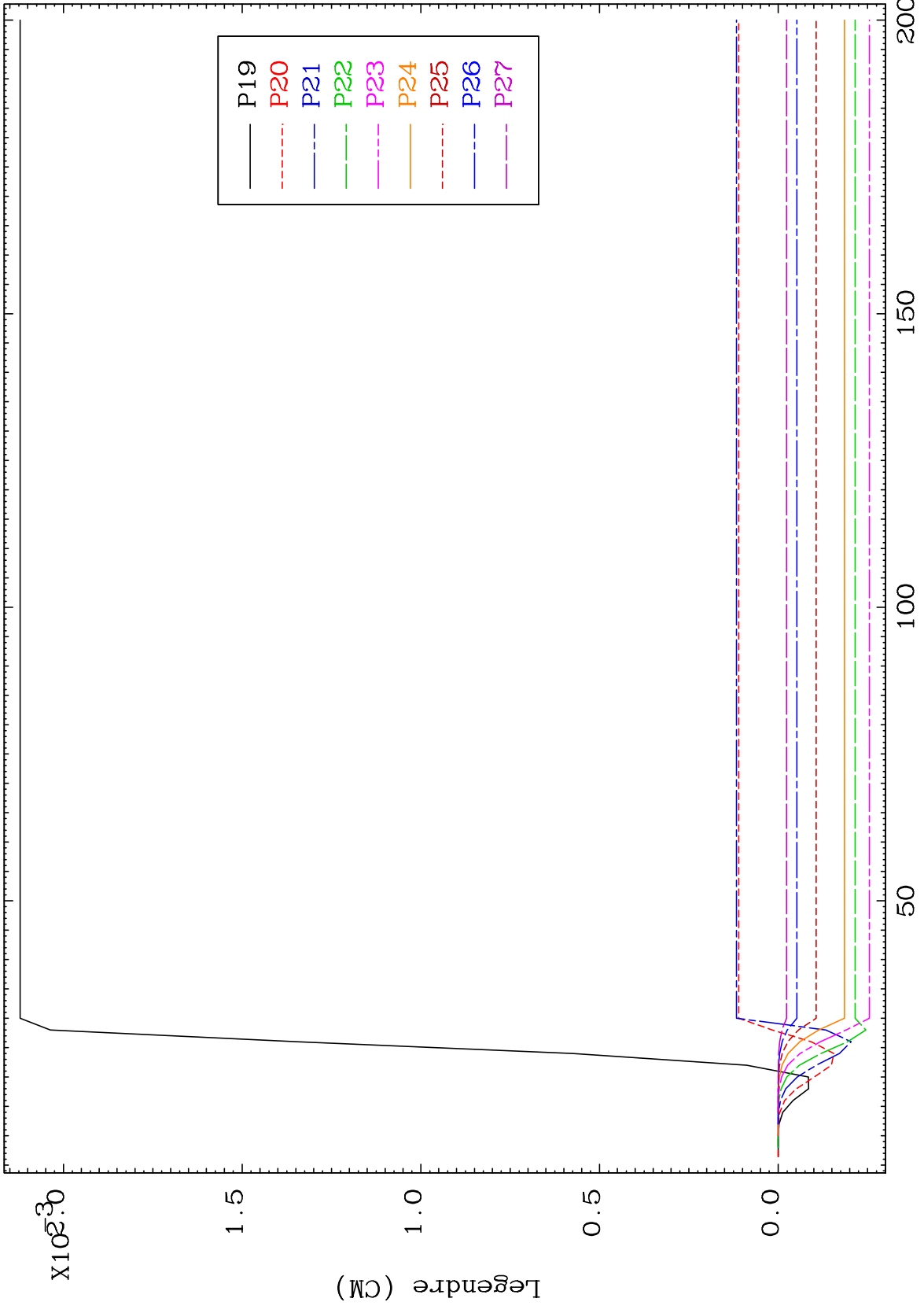
MAT 8010 MT= 70 (n,n') Level Legendre Coefficients 80-Hg-191

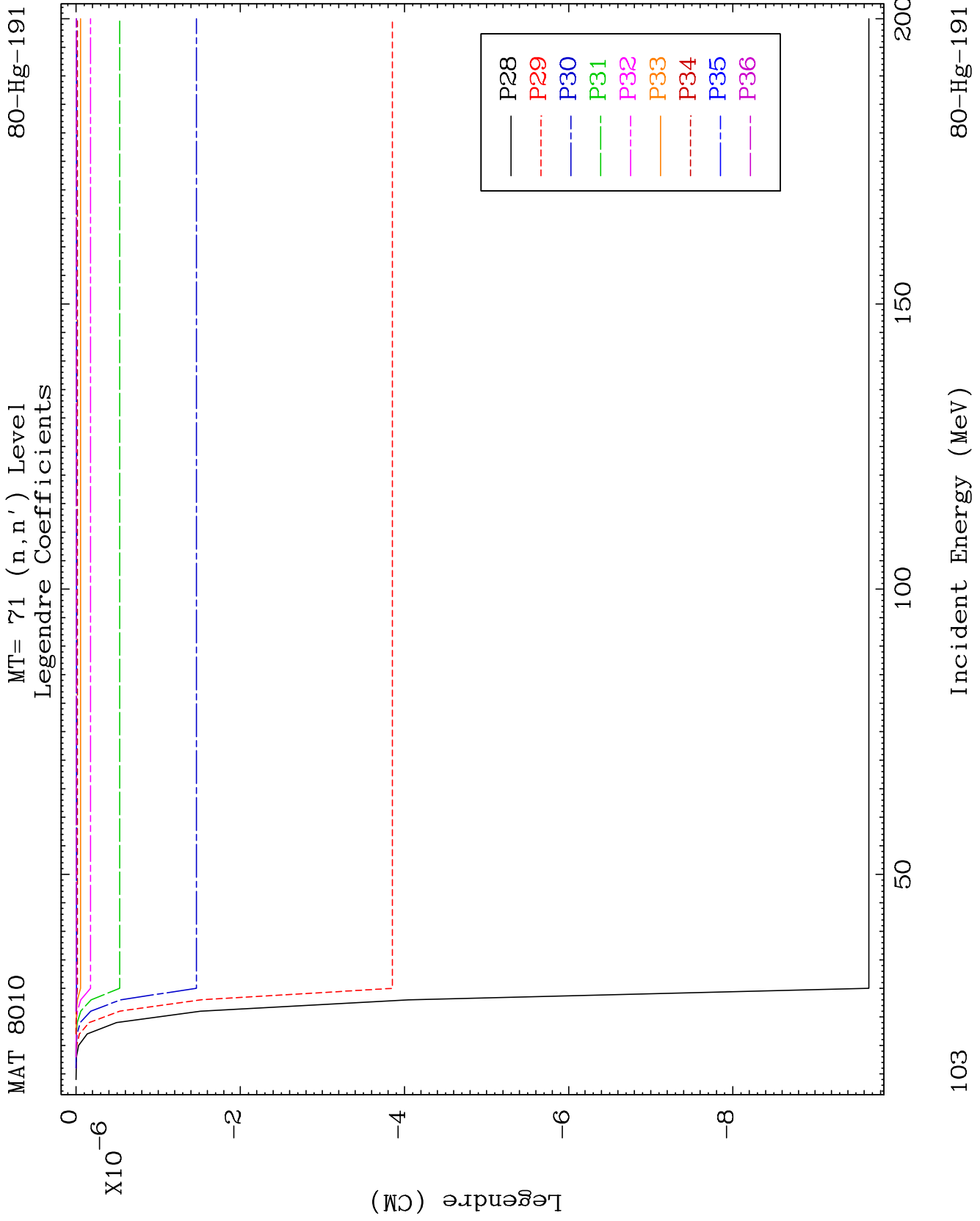


99 80-Hg-191





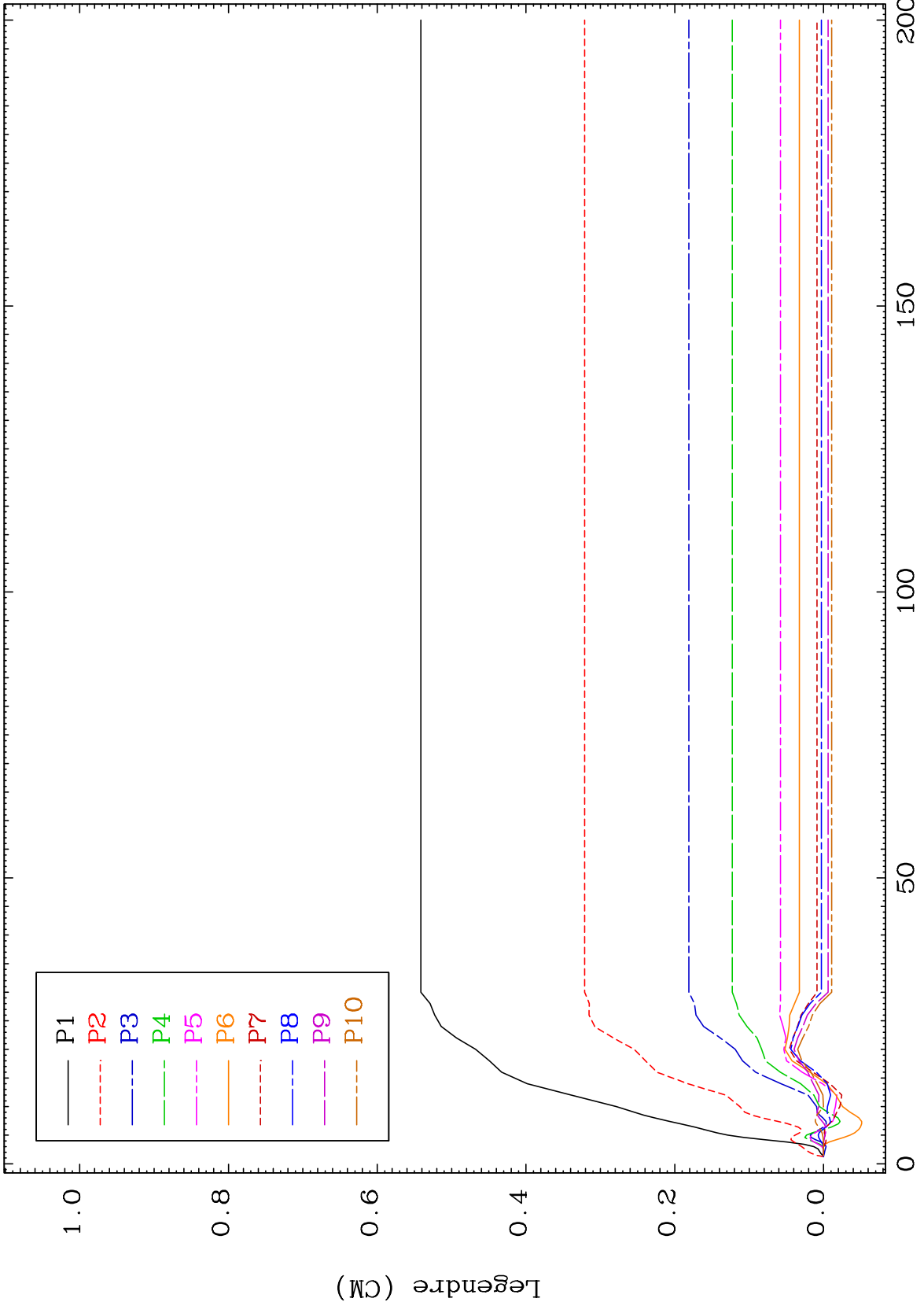




MAT 8010

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

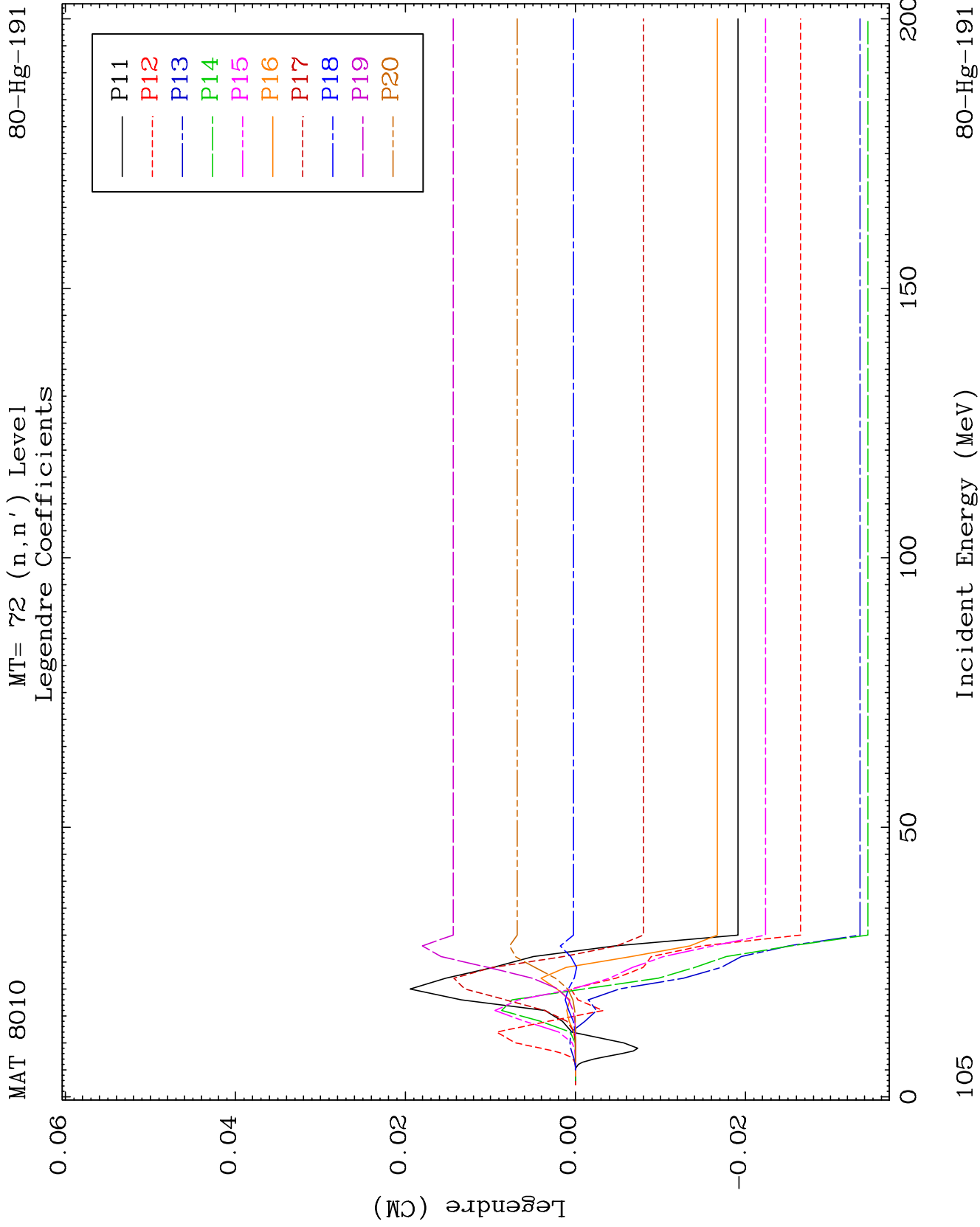
80-Hg-191



104

Incident Energy (MeV)

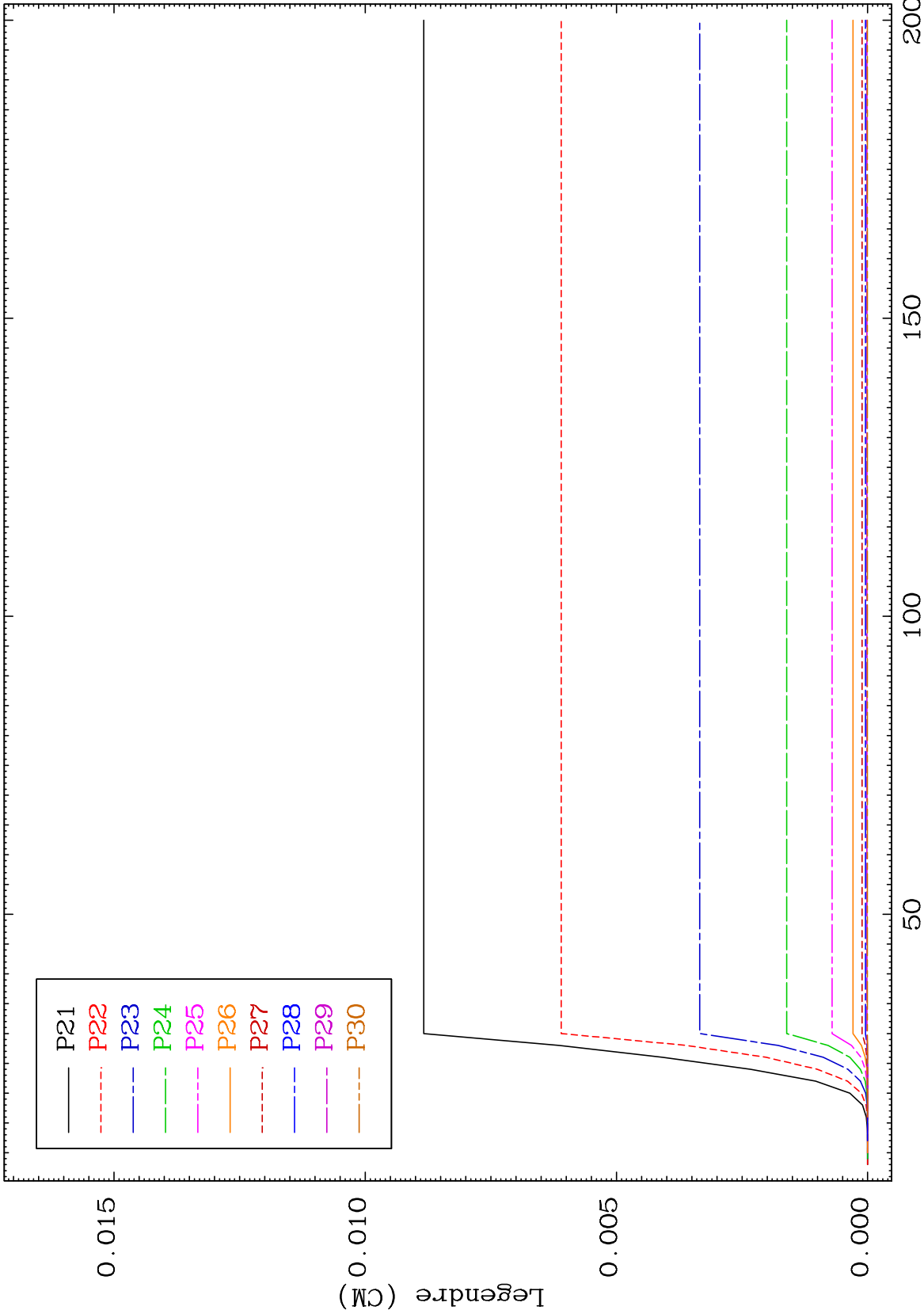
80-Hg-191



MAT 8010

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

80-Hg-191



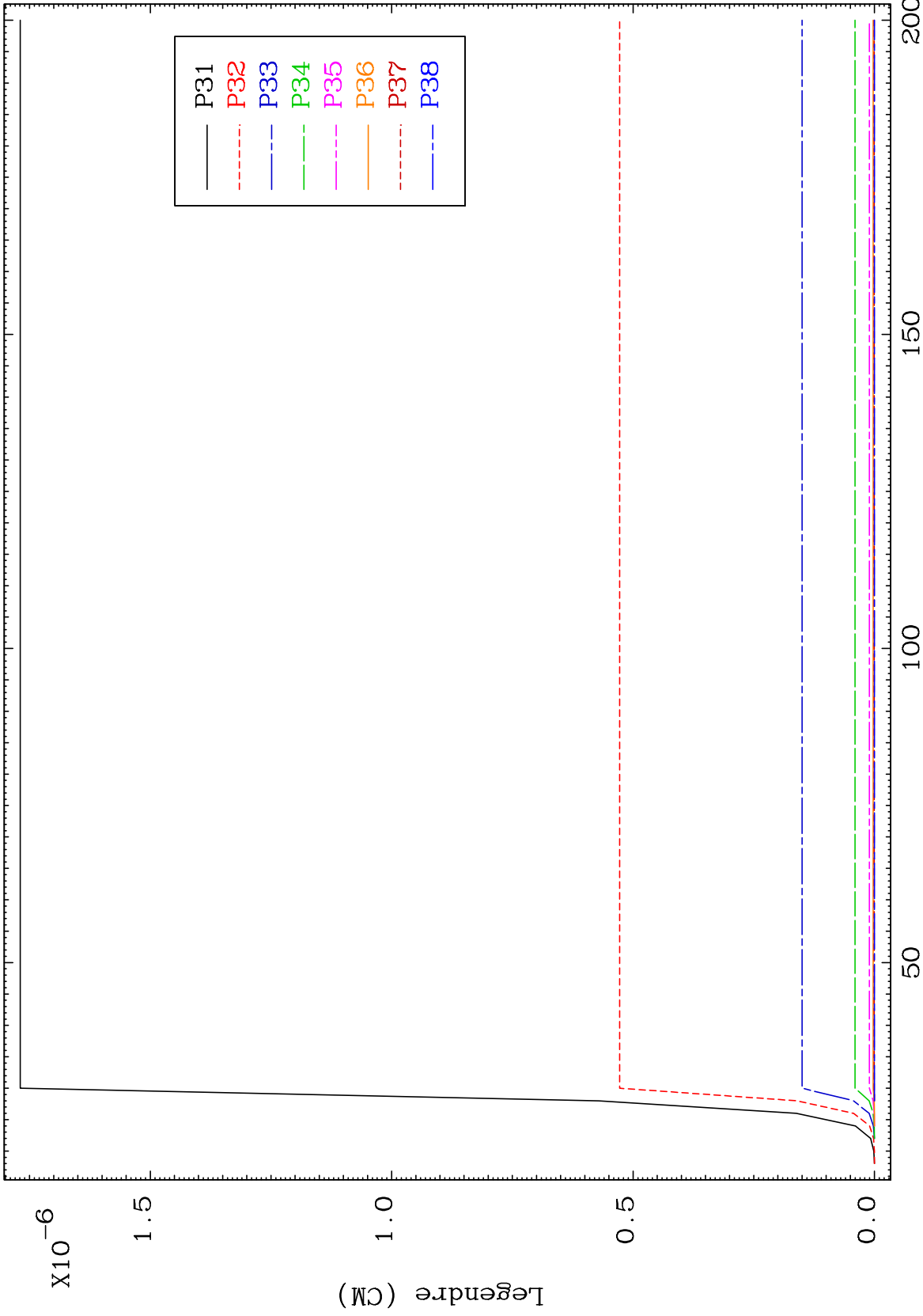
106

80-Hg-191

MAT 8010

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

80-Hg-191



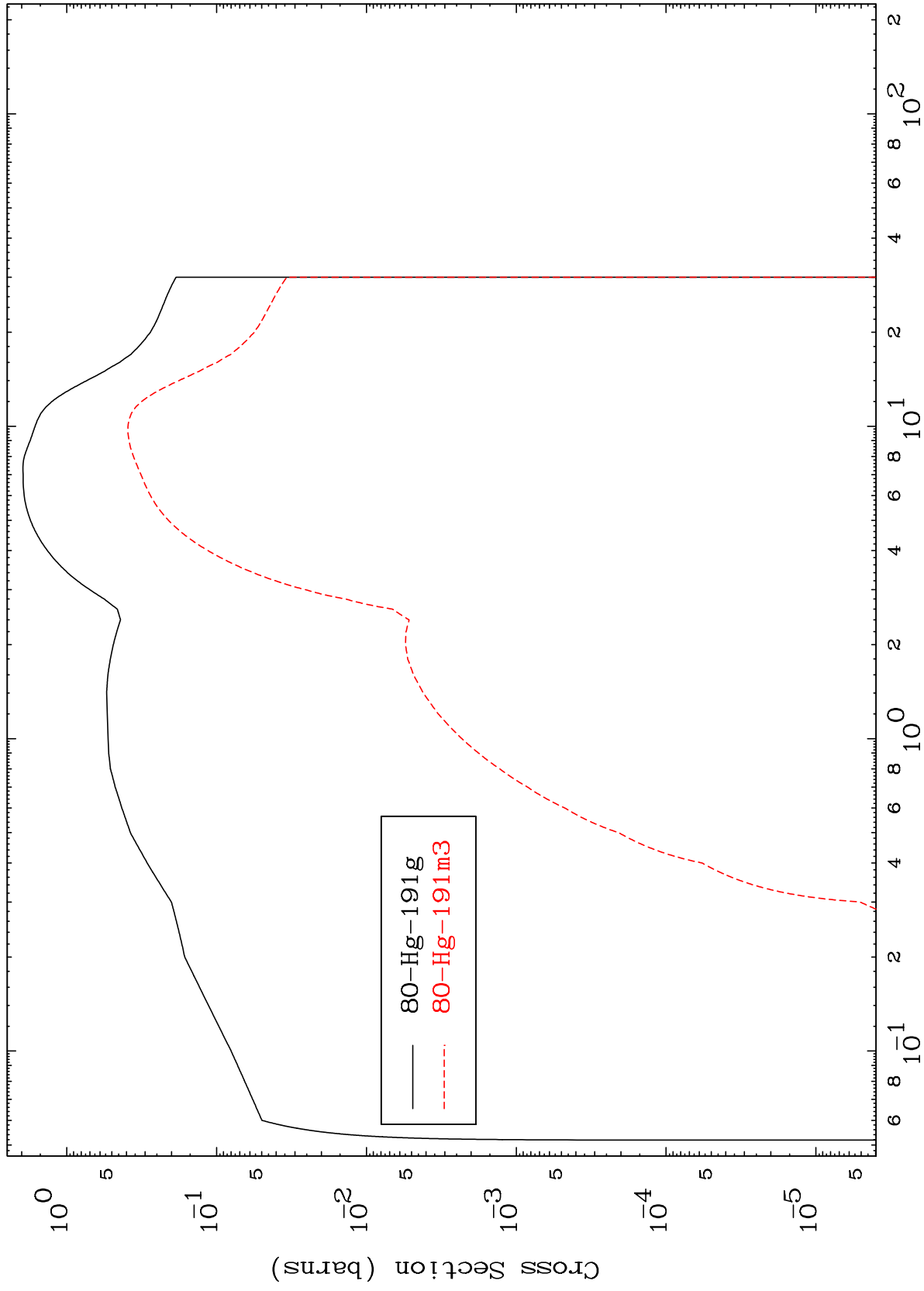
107

80-Hg-191

MAT 8010

80-Hg-191

Inelastic Radionuclide Production Cross Section



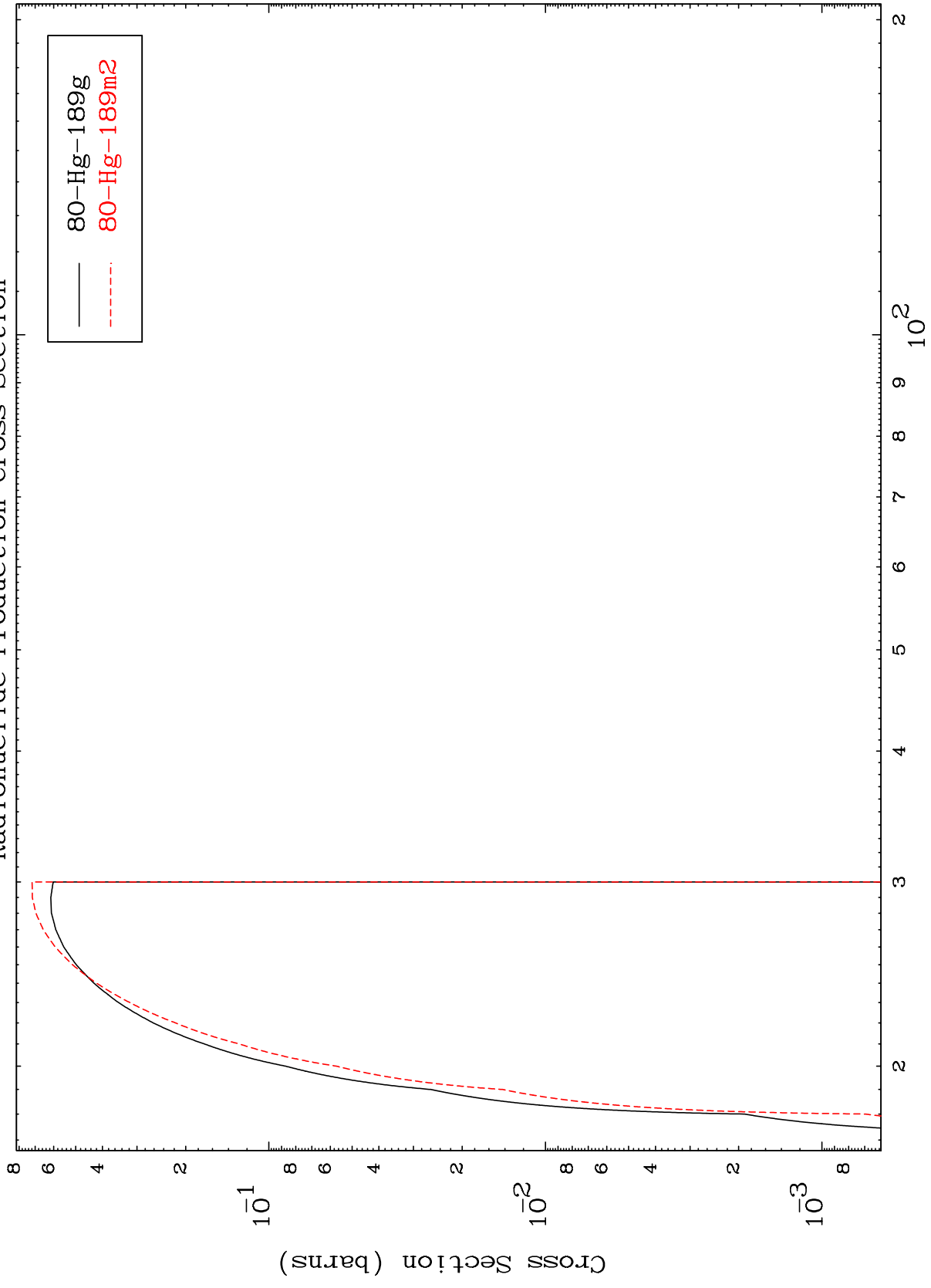
108

80-Hg-191

MAT 8010

80-Hg-191

(n,3n)
Radionuclide Production Cross Section



109

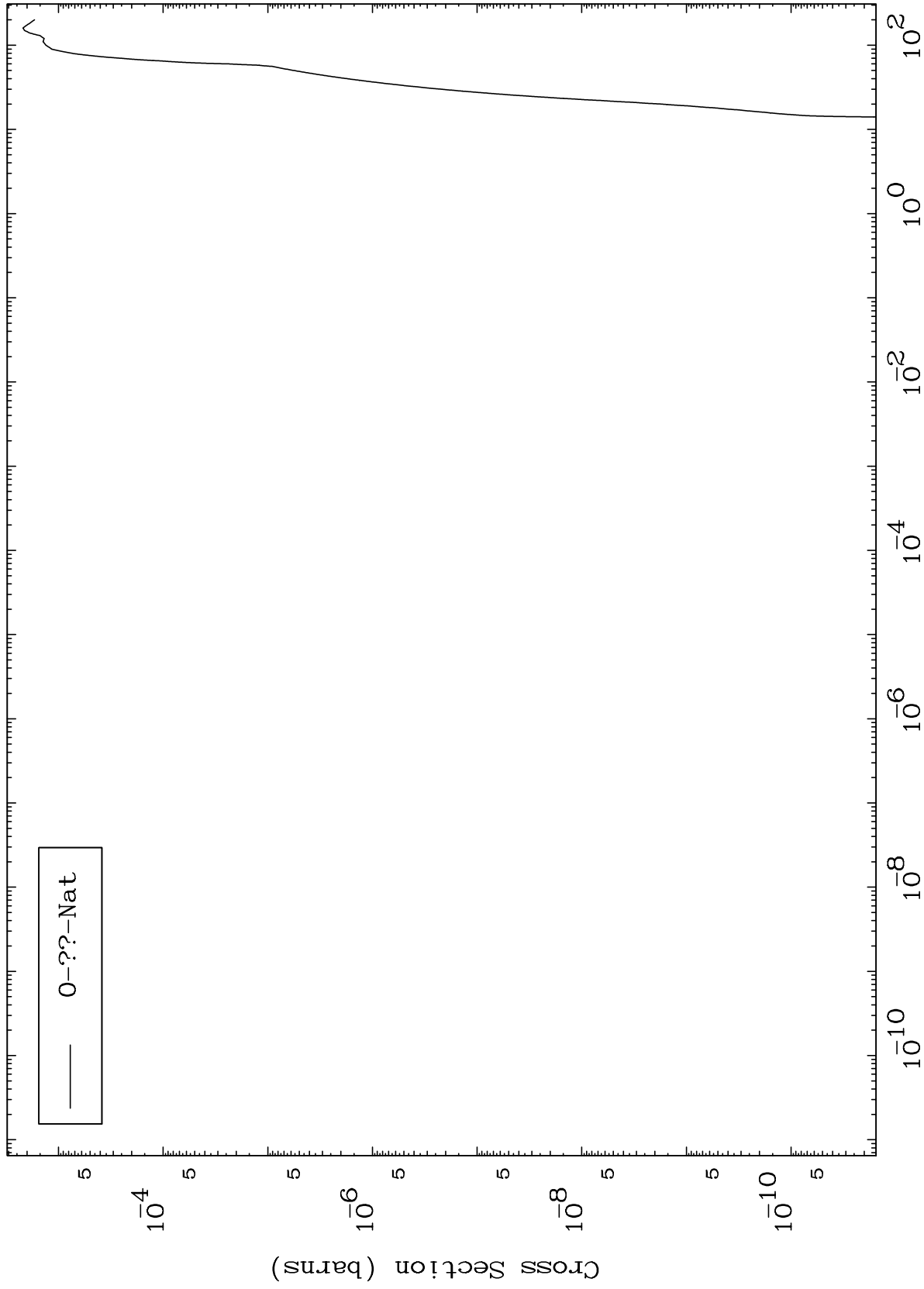
Incident Energy (MeV)

80-Hg-191

MAT 8010

Fission
Radionuclide Production Cross Section

80-Hg-191



110

Incident Energy (MeV)

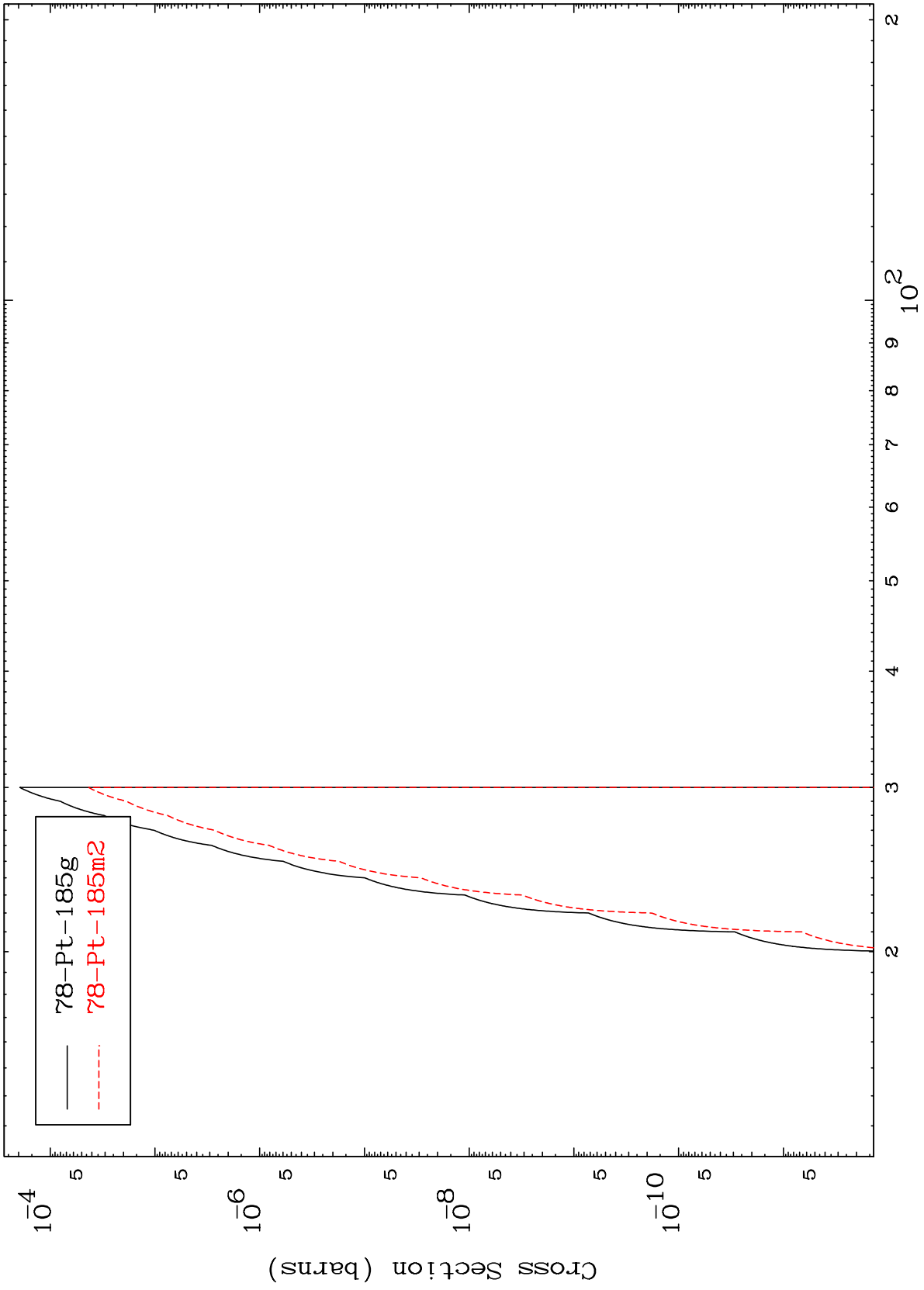
80-Hg-191

MAT 8010

(n,3n) α

80-Hg-191

Radionuclide Production Cross Section



111

Incident Energy (MeV)

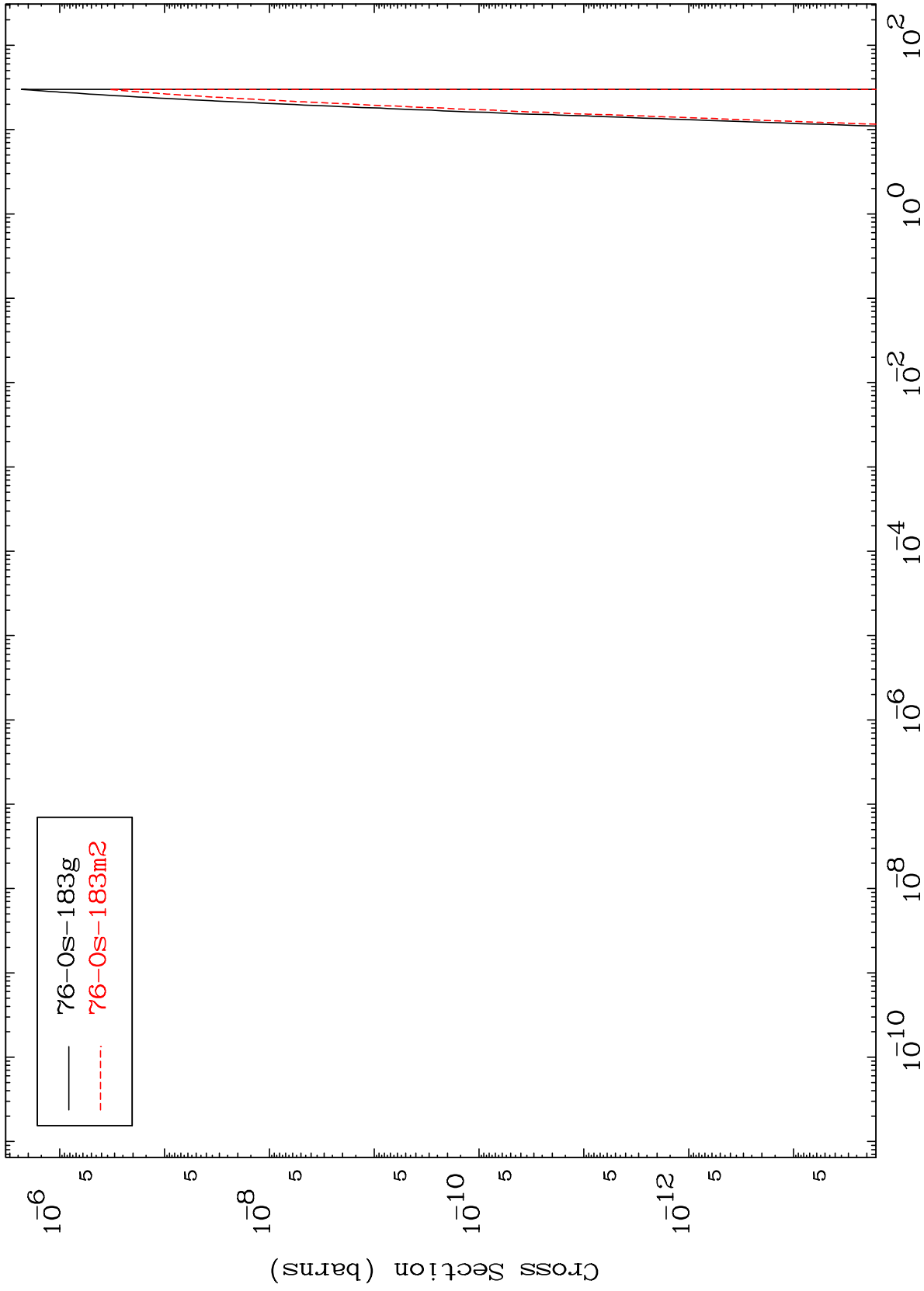
80-Hg-191

MAT 8010

(n,n') 2 α

80-Hg-191

Radionuclide Production Cross Section



112

Incident Energy (MeV)

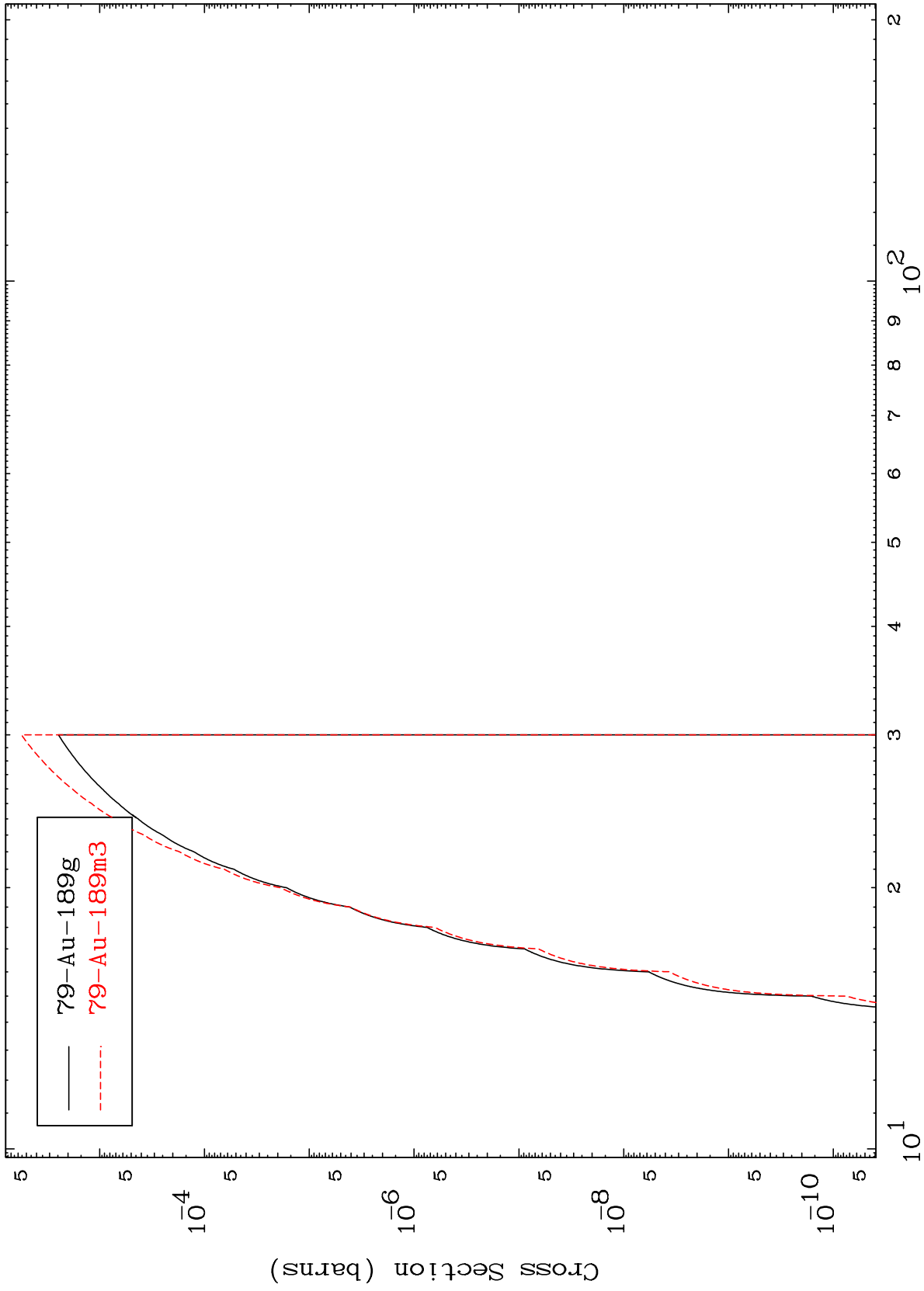
80-Hg-191

MAT 8010

(n,n') d

80-Hg-191

Radionuclide Production Cross Section

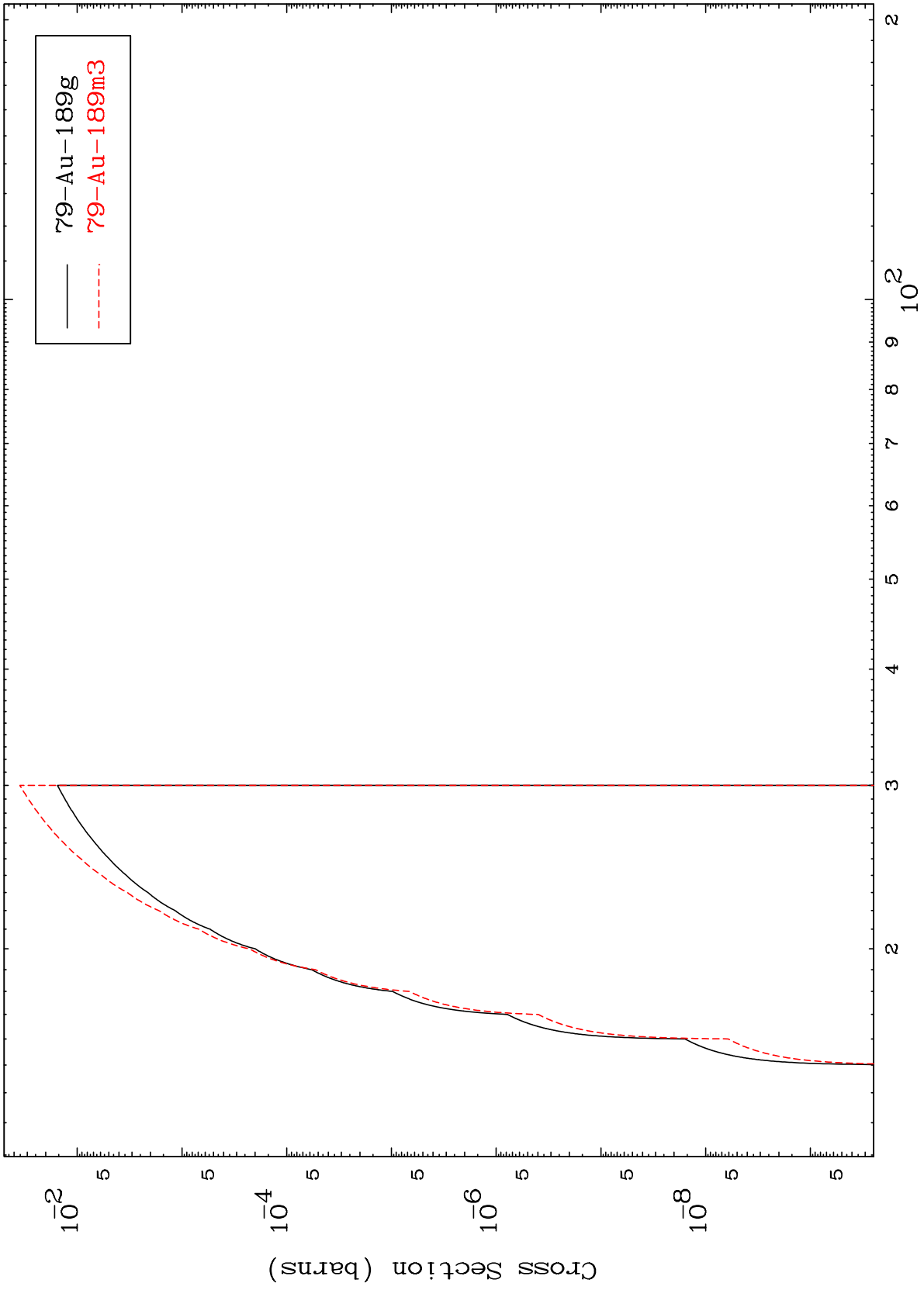


MAT 8010

(n,2n) p

80-Hg-191

Radionuclide Production Cross Section



114

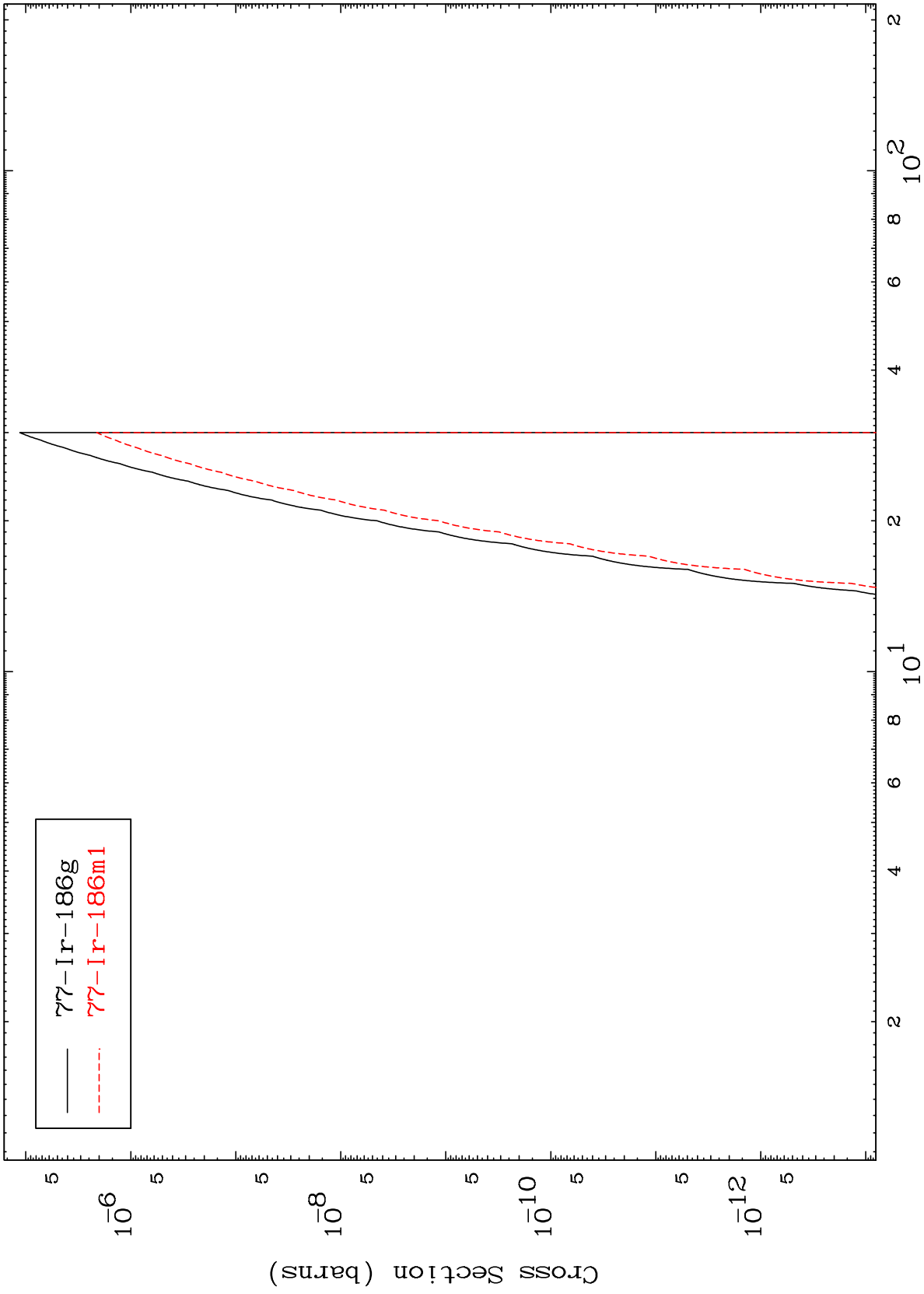
Incident Energy (MeV)

80-Hg-191

MAT 8010

(n,n') p α
Radionuclide Production Cross Section

80-Hg-191



115

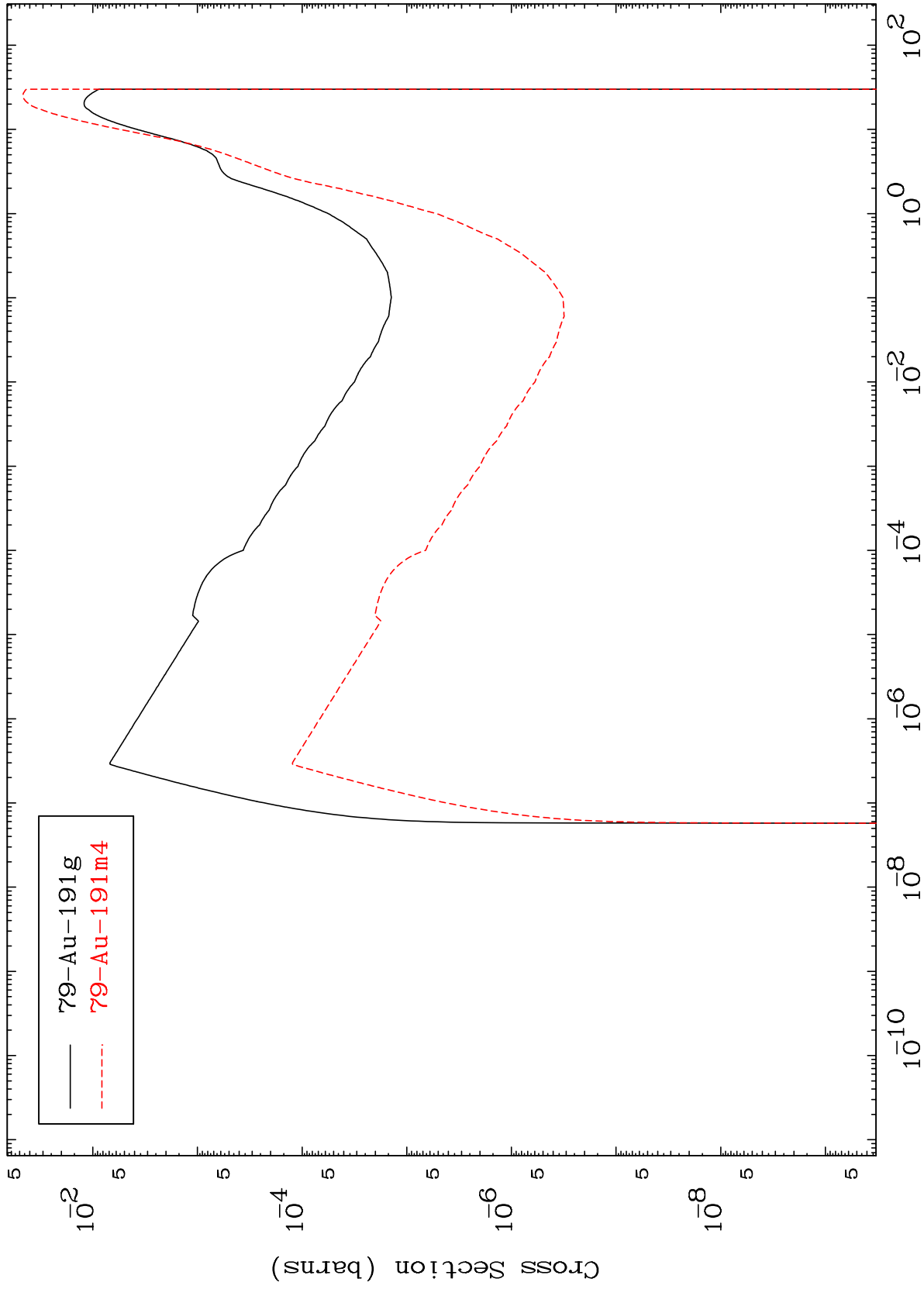
Incident Energy (MeV)

80-Hg-191

MAT 8010

(n,p)
Radionuclide Production Cross Section

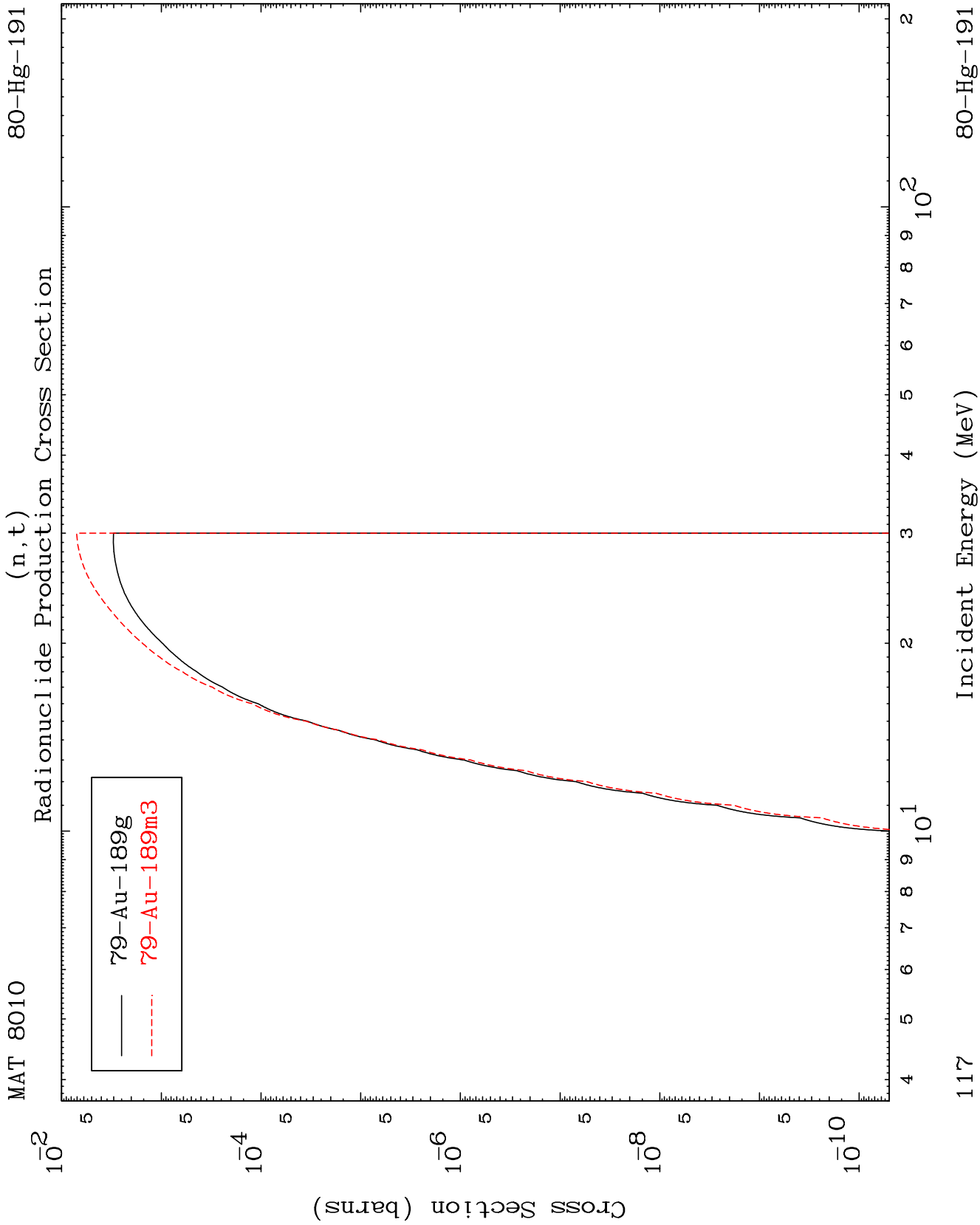
80-Hg-191



116

Incident Energy (MeV)

80-Hg-191

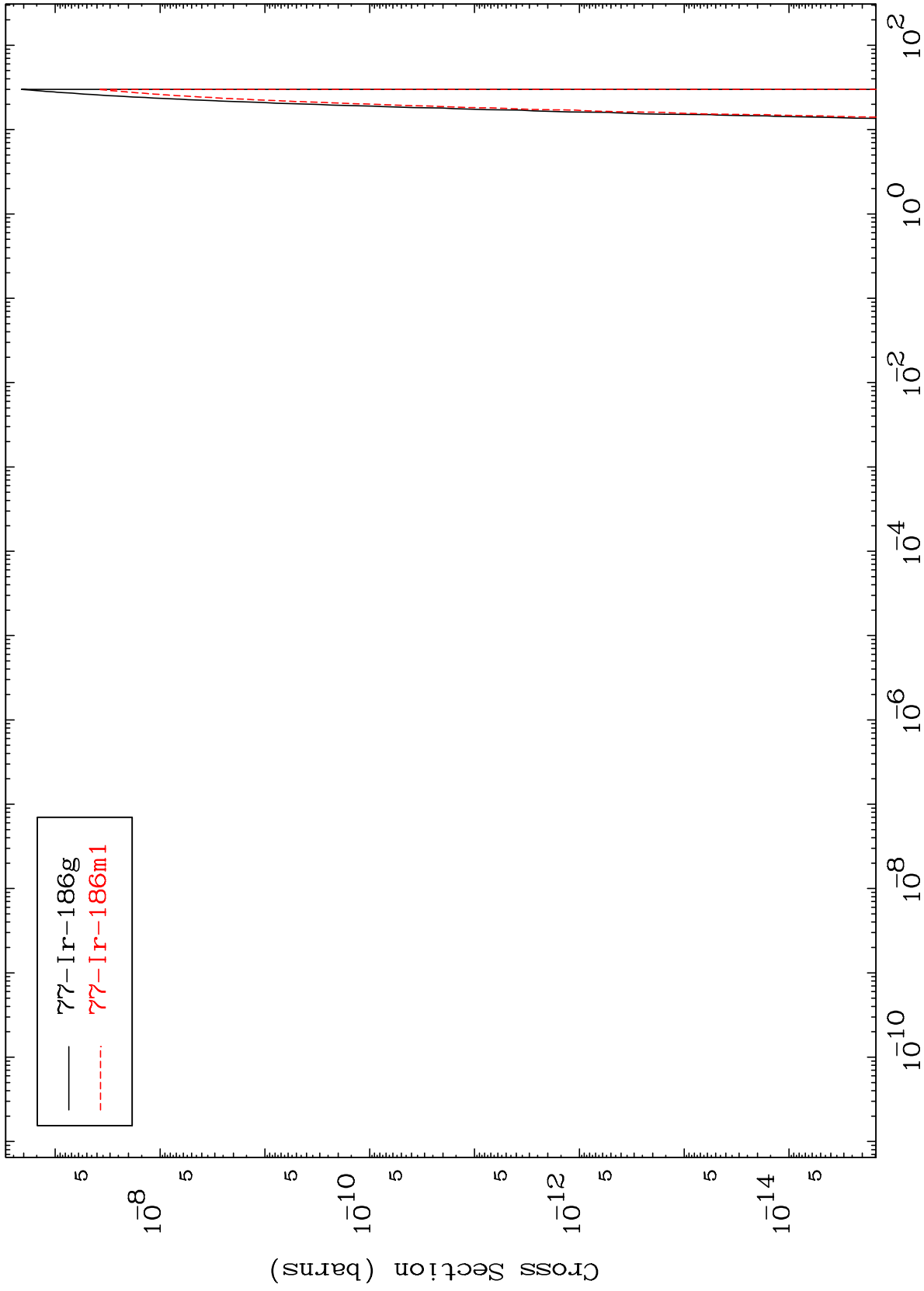


MAT 8010

(n,d) α

80-Hg-191

Radionuclide Production Cross Section



118

Incident Energy (MeV)

80-Hg-191