

Program EVALPLOT  
(Version 2018-1)

by

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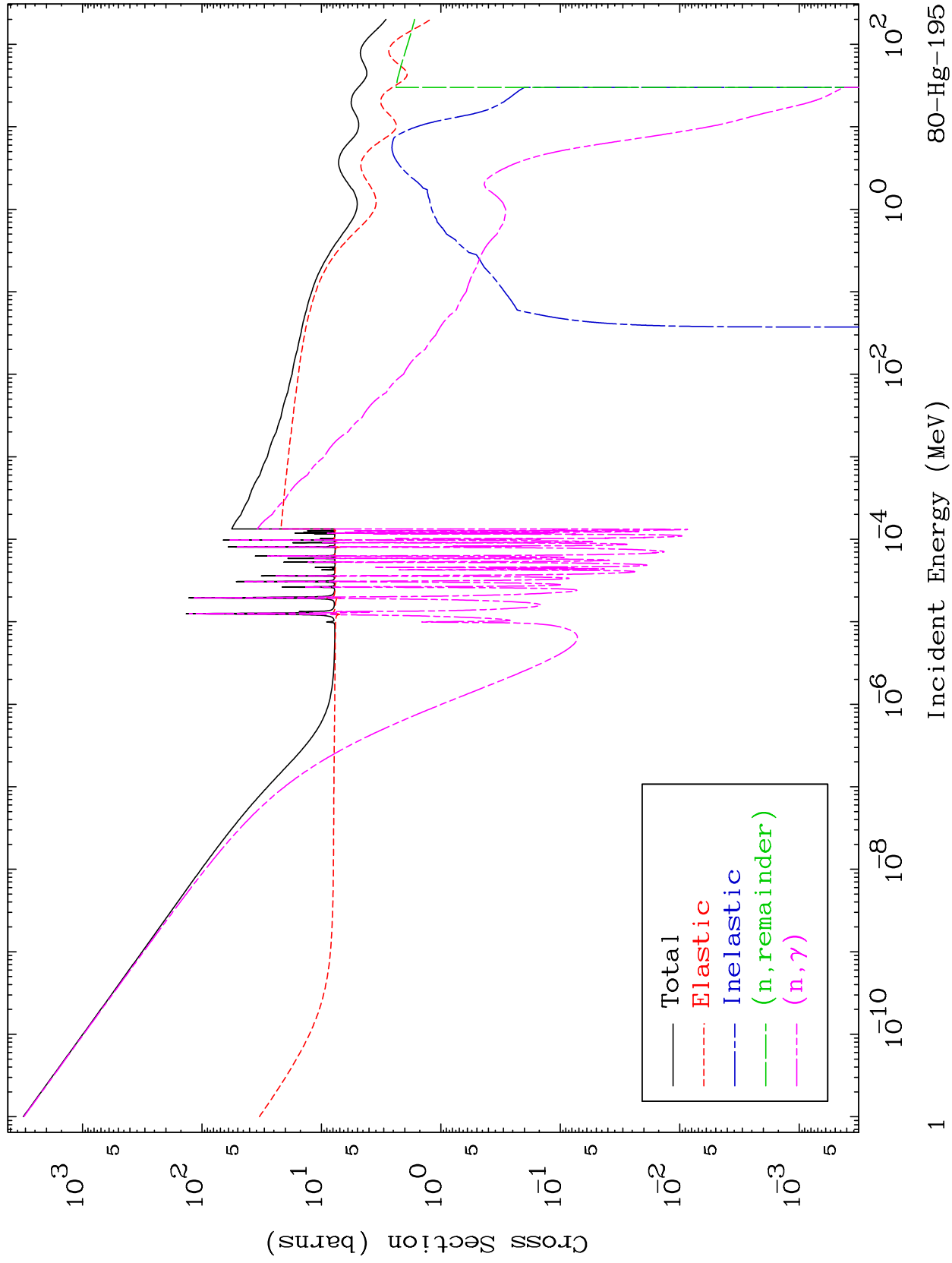
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 8022

Major  
293 Kelvin Cross Sections

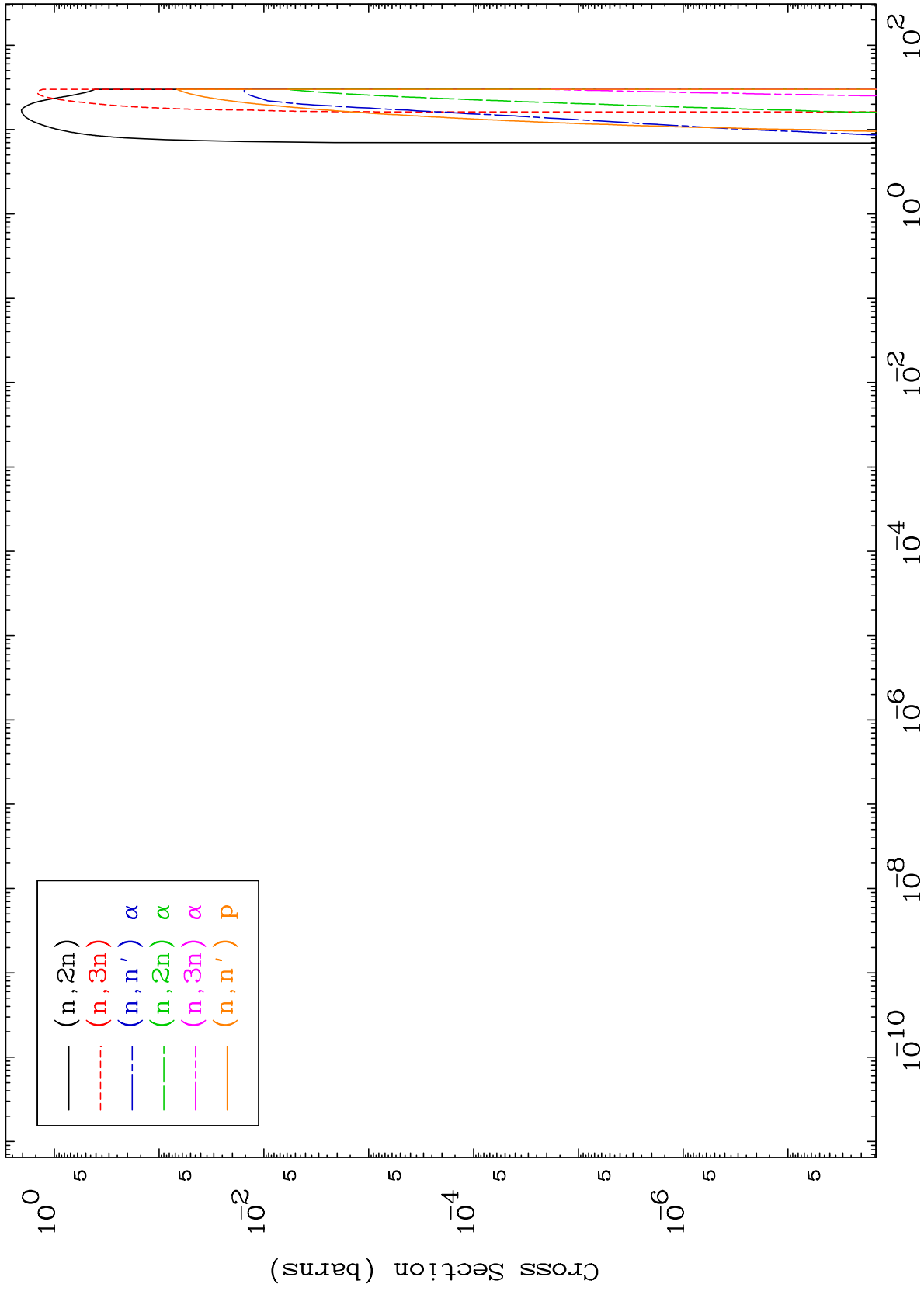
80-Hg-195



MAT 8022

Neutron Production  
293 Kelvin Cross Sections

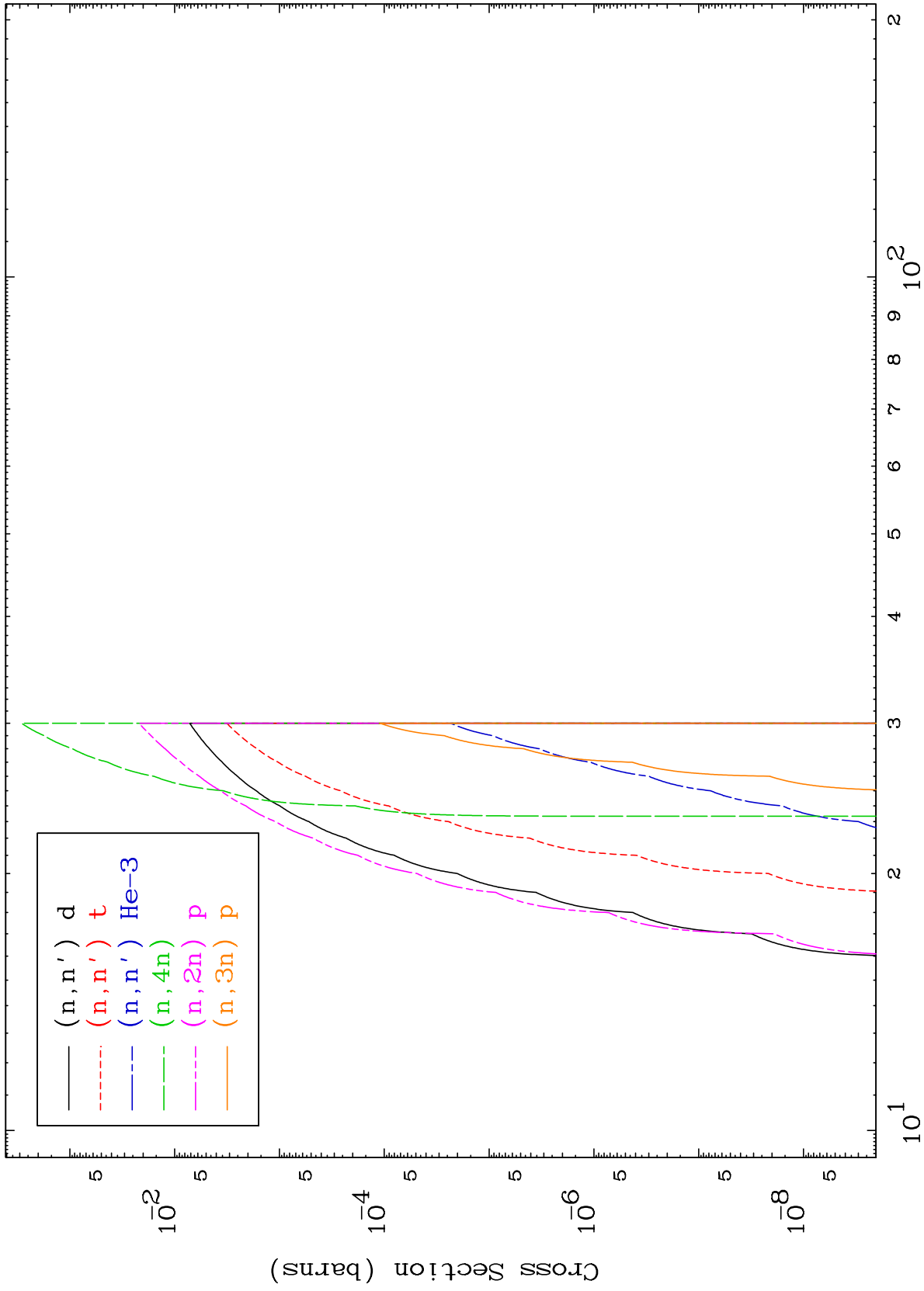
80-Hg-195



2

Incident Energy (MeV)

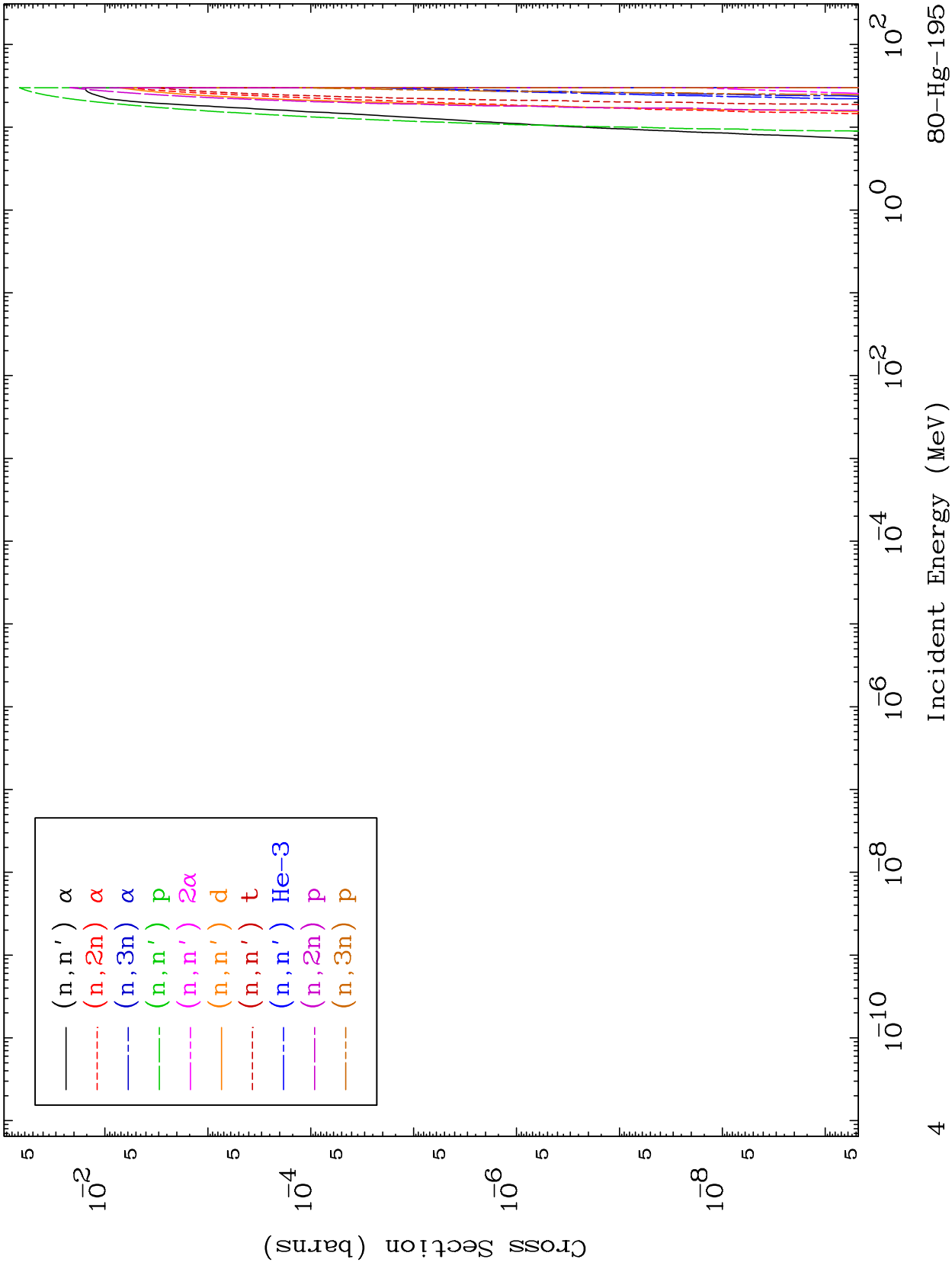
80-Hg-195



MAT 8022

293 Kelvin Cross Sections  
Charged Particle

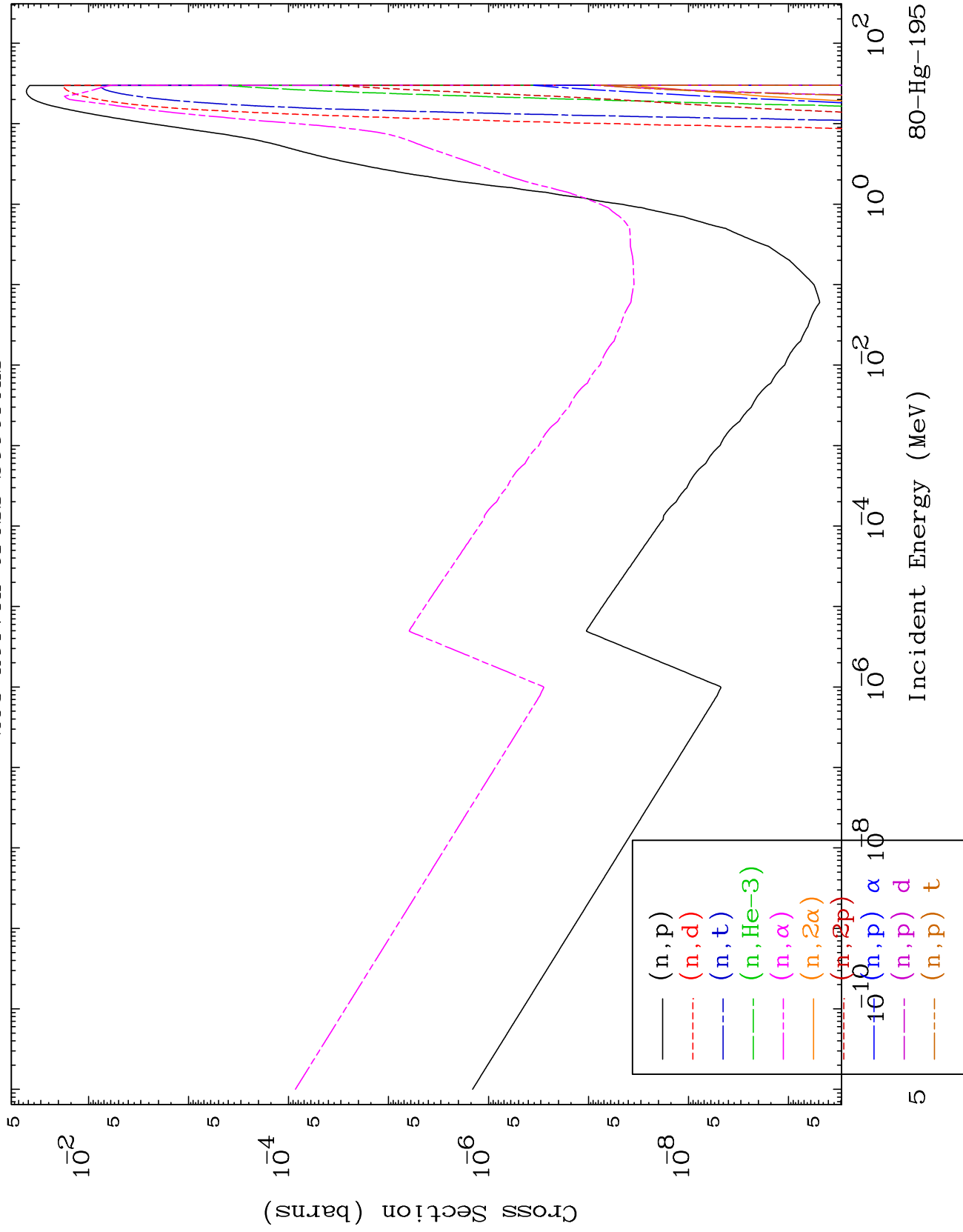
80-Hg-195



MAT 8022

Charged Particle  
293 Kelvin Cross Sections

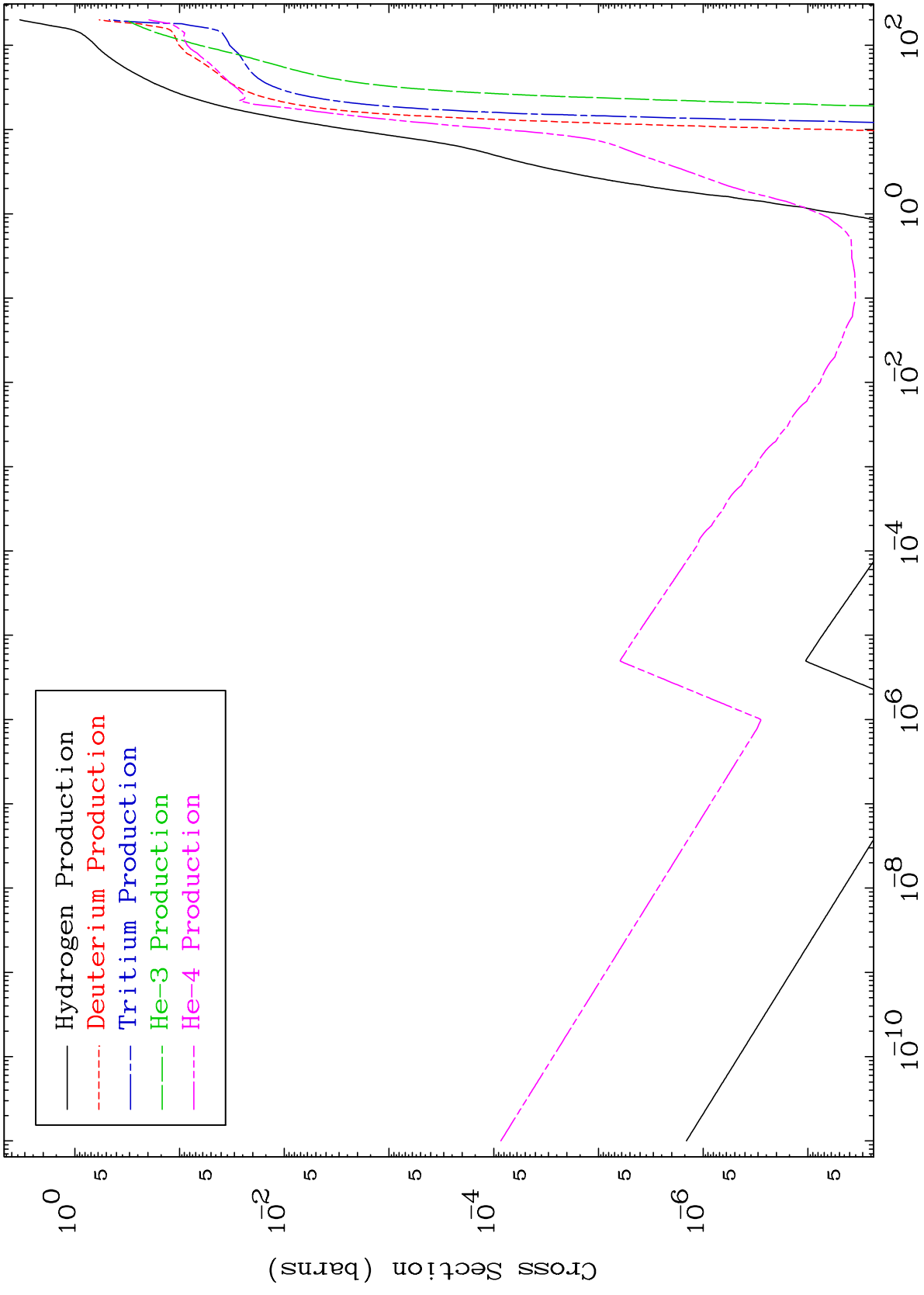
80-Hg-195



MAT 8022

Particle Production  
293 Kelvin Cross Sections

80-Hg-195

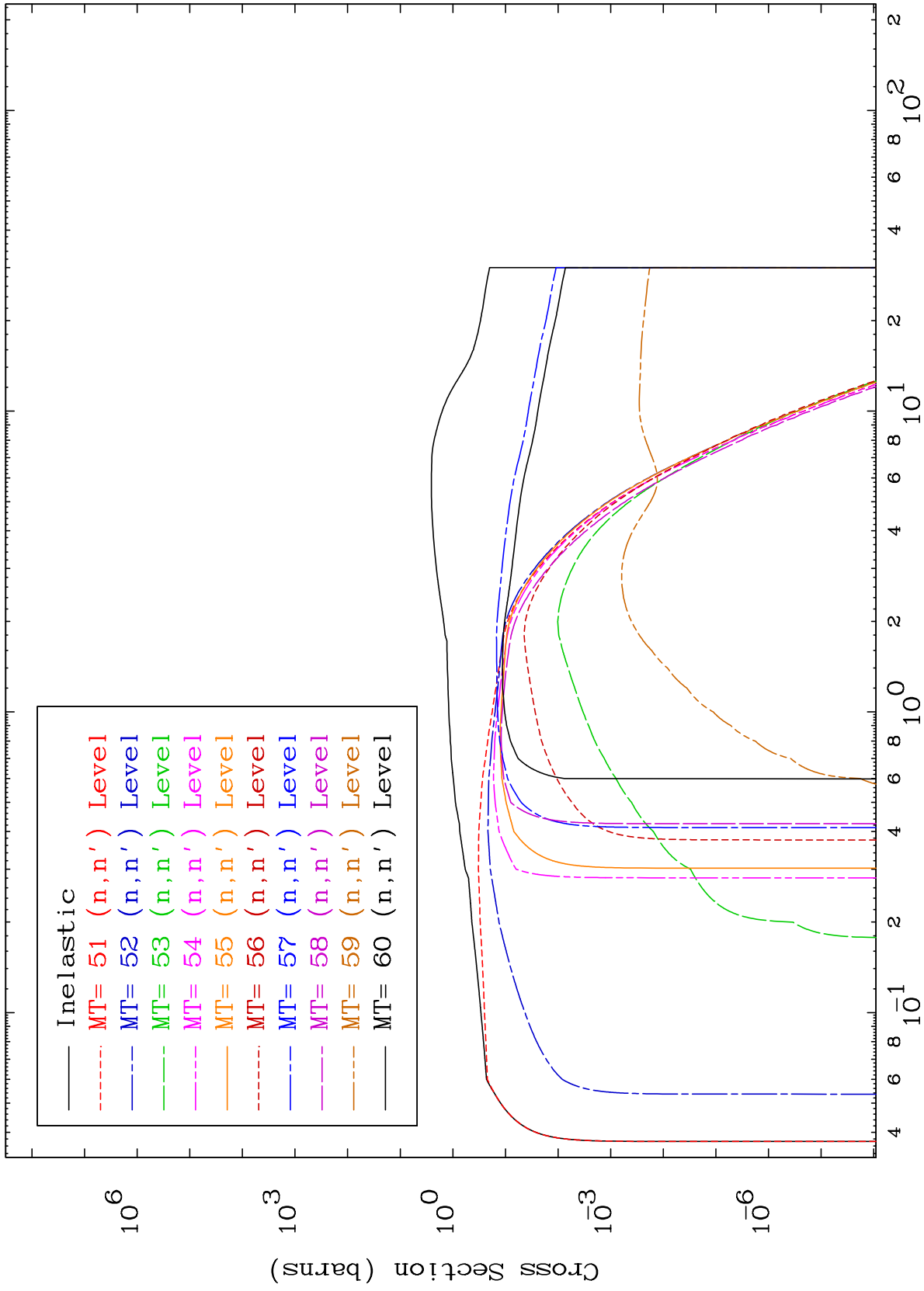


80-Hg-195

MAT 8022

(n,n') Level  
293 Kelvin Cross Sections

80-Hg-195

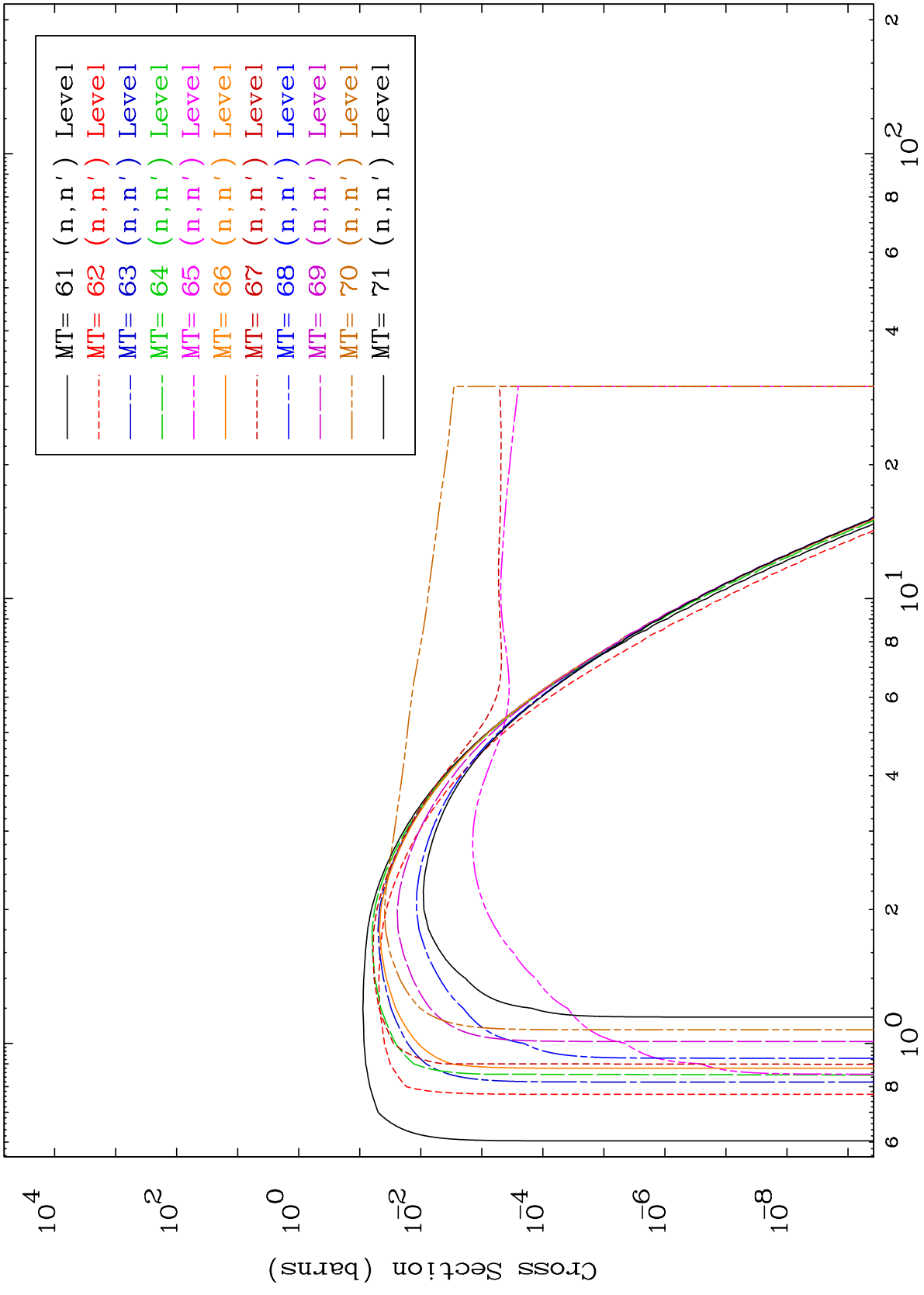




MAT 8022

(n,n') Level  
293 Kelvin Cross Sections

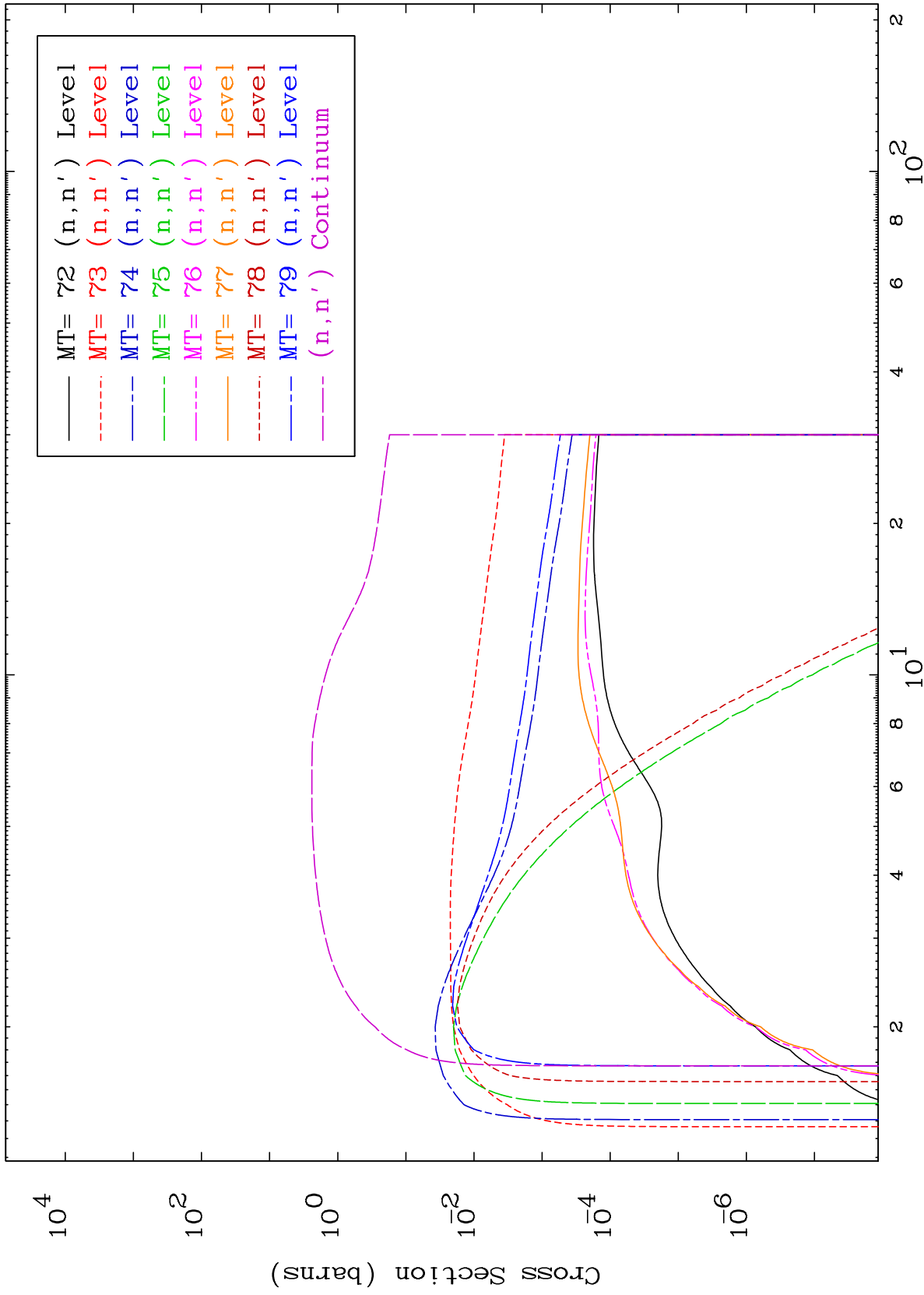
80-Hg-195



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Incident Energy (MeV)

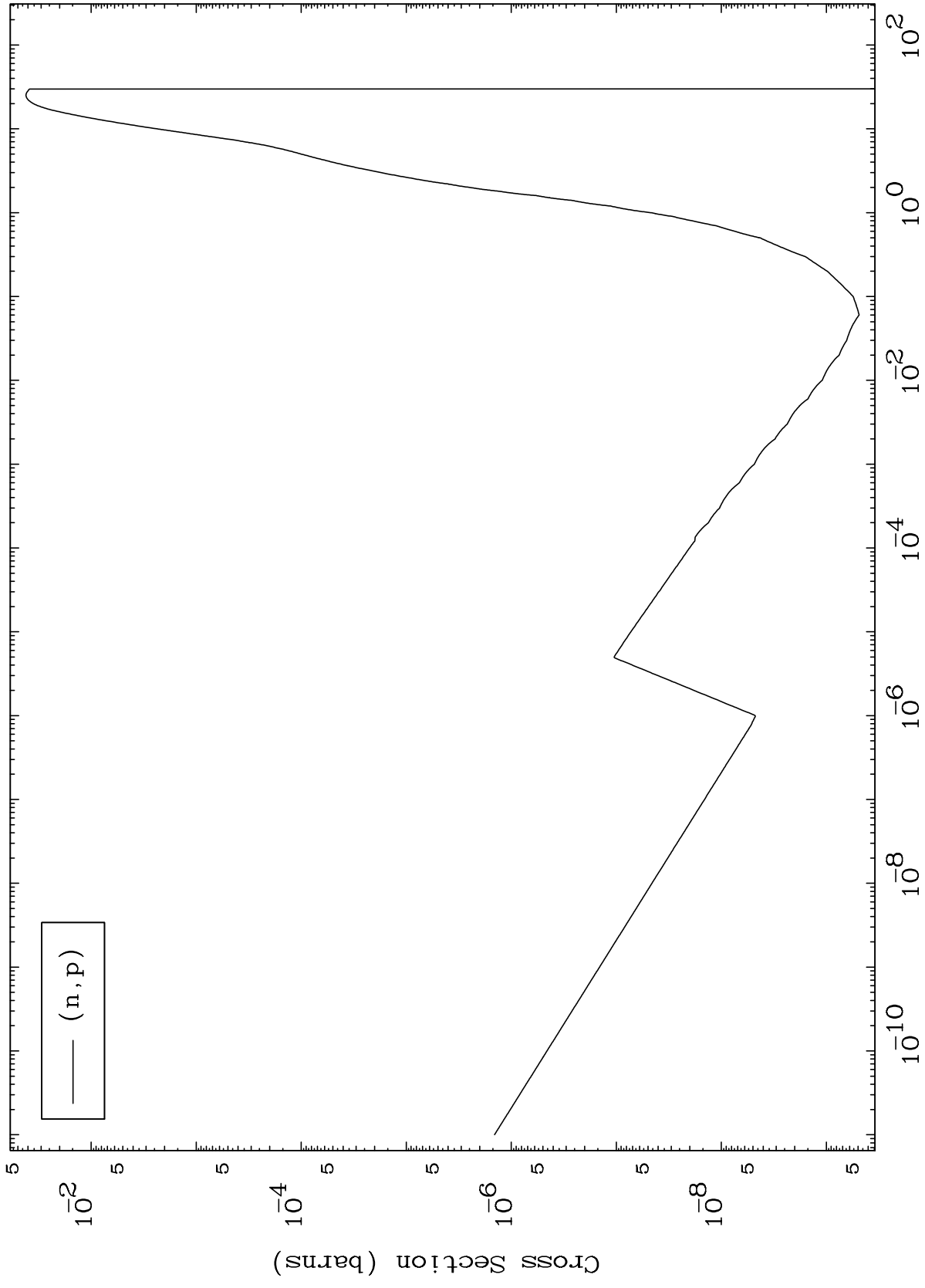
80-Hg-195



MAT 8022

(n,p) Levels  
293 Kelvin Cross Sections

80-Hg-195



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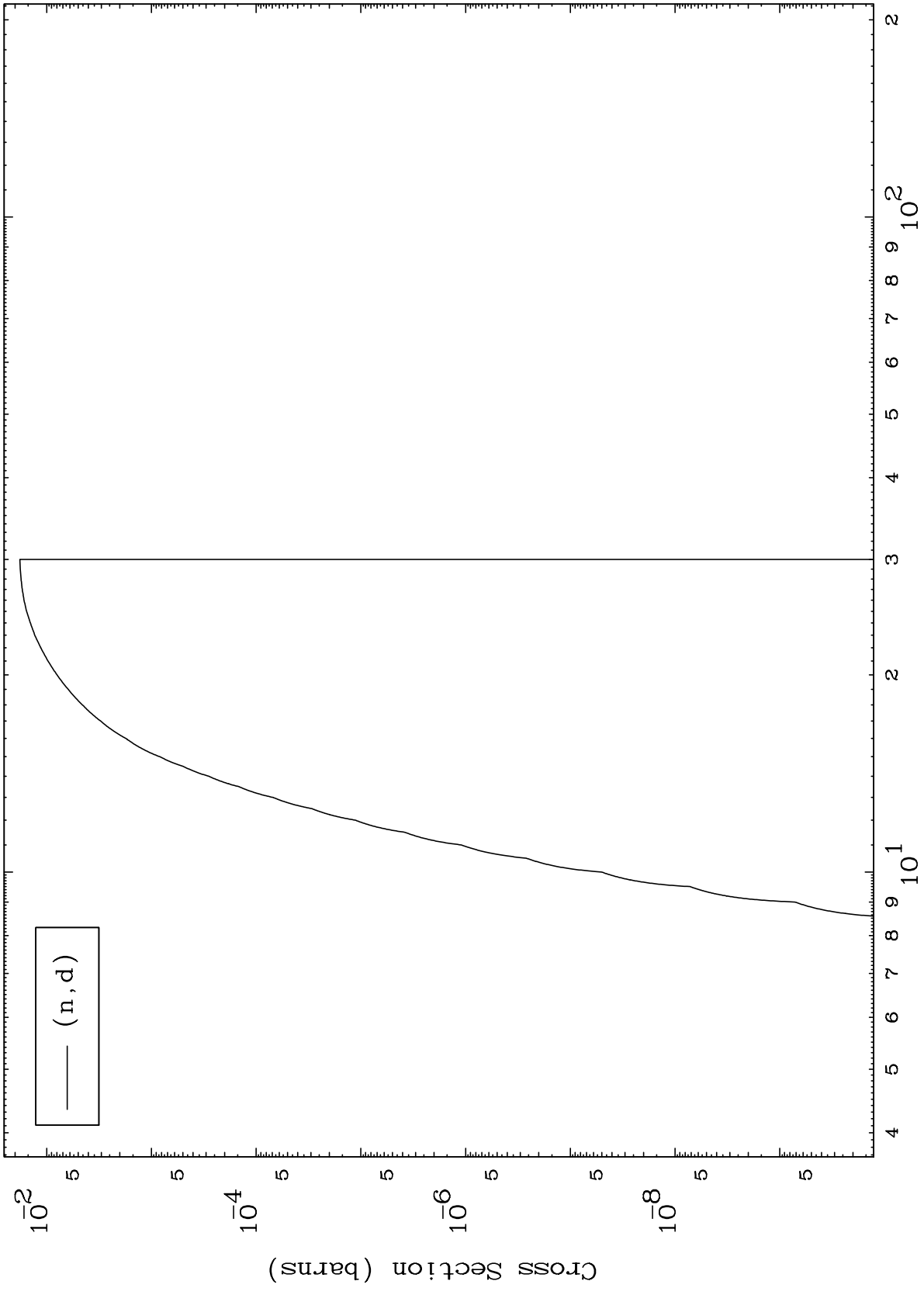
Incident Energy (MeV)

80-Hg-195

MAT 8022

(n,d) Levels  
293 Kelvin Cross Sections

80-Hg-195

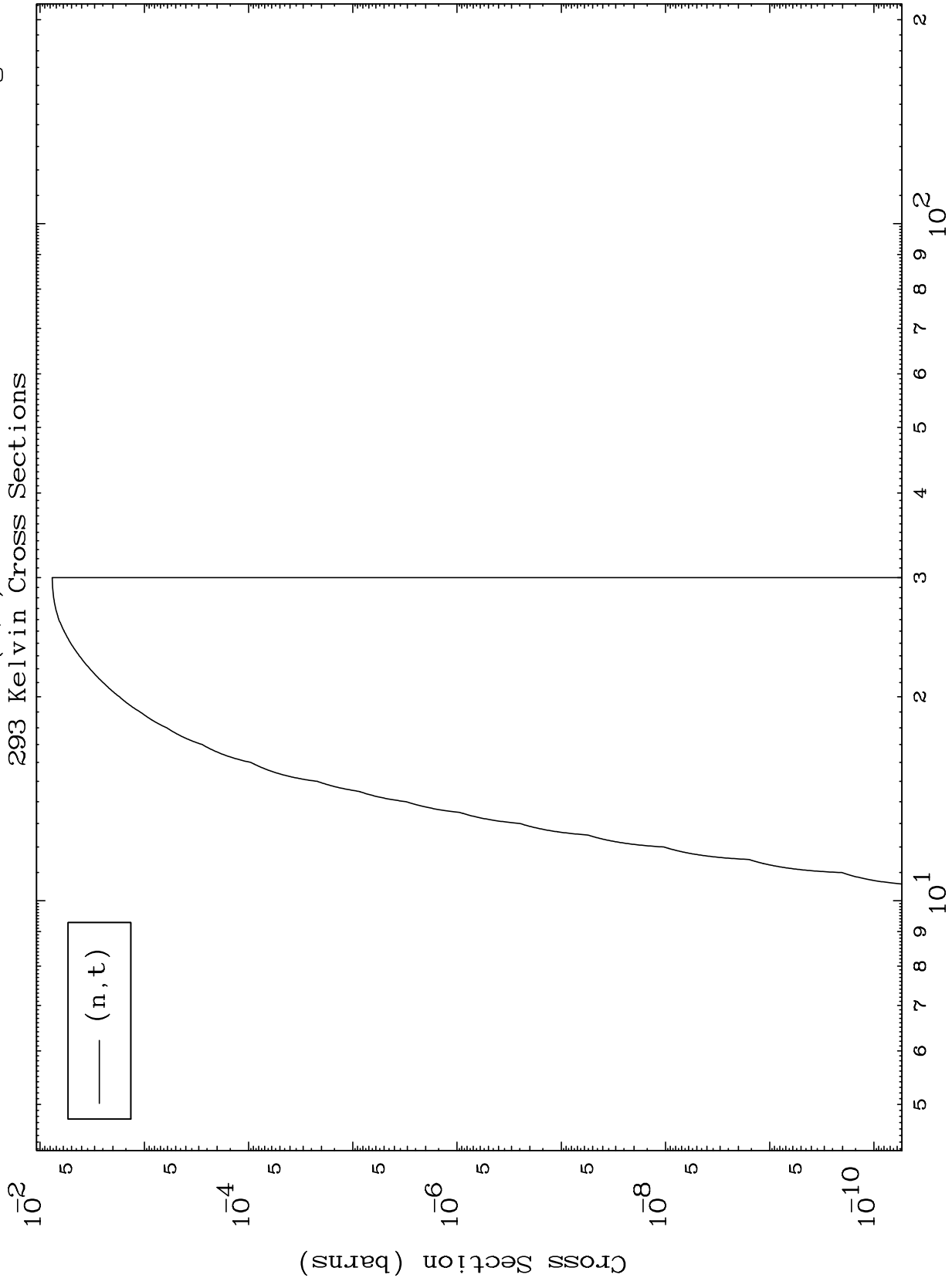


(n,d)

MAT 8022

(n,t) Levels  
293 Kelvin Cross Sections

80-Hg-195



12

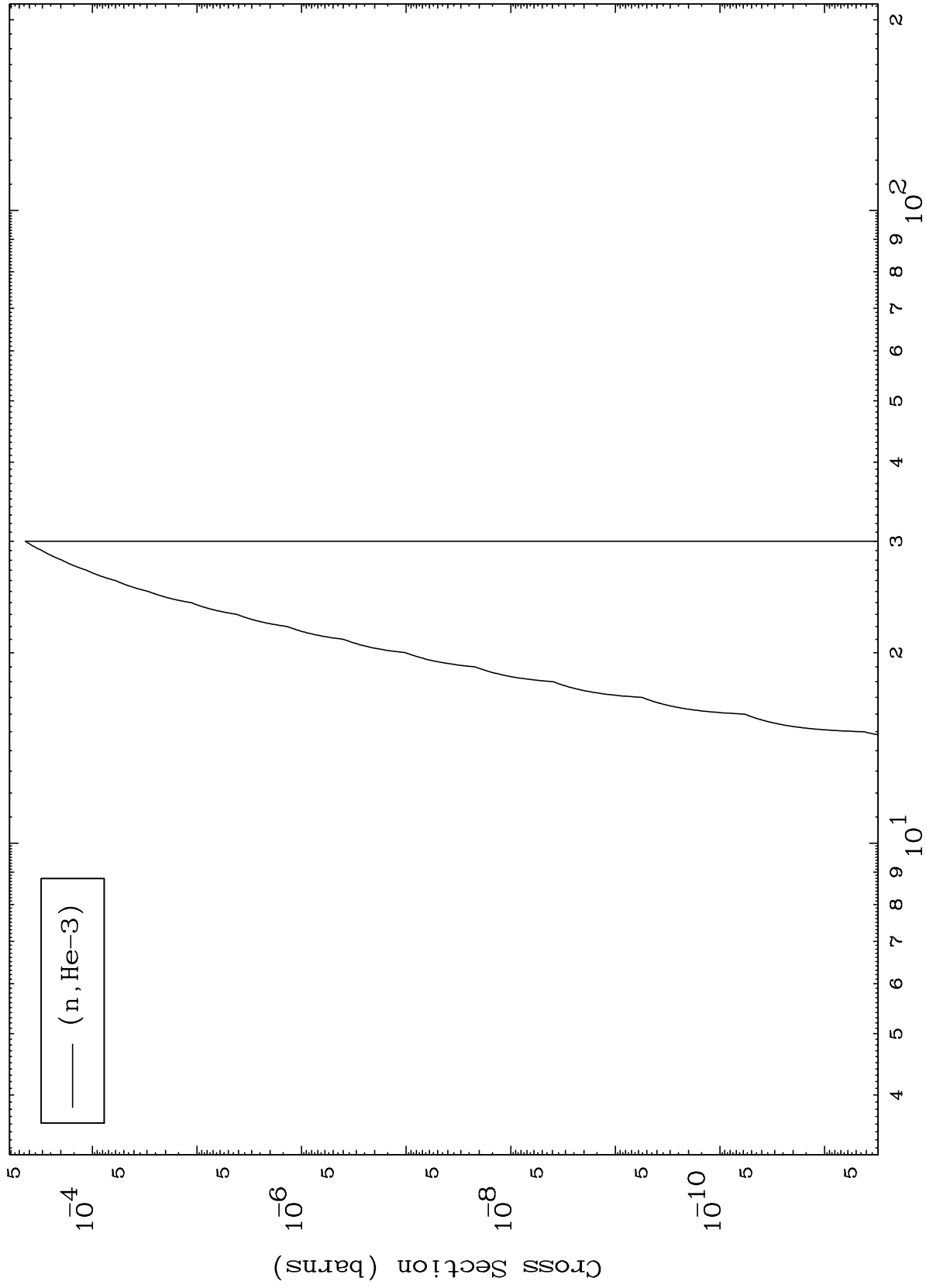
Incident Energy (MeV)

80-Hg-195

MAT 8022

(n,He3) Levels  
293 Kelvin Cross Sections

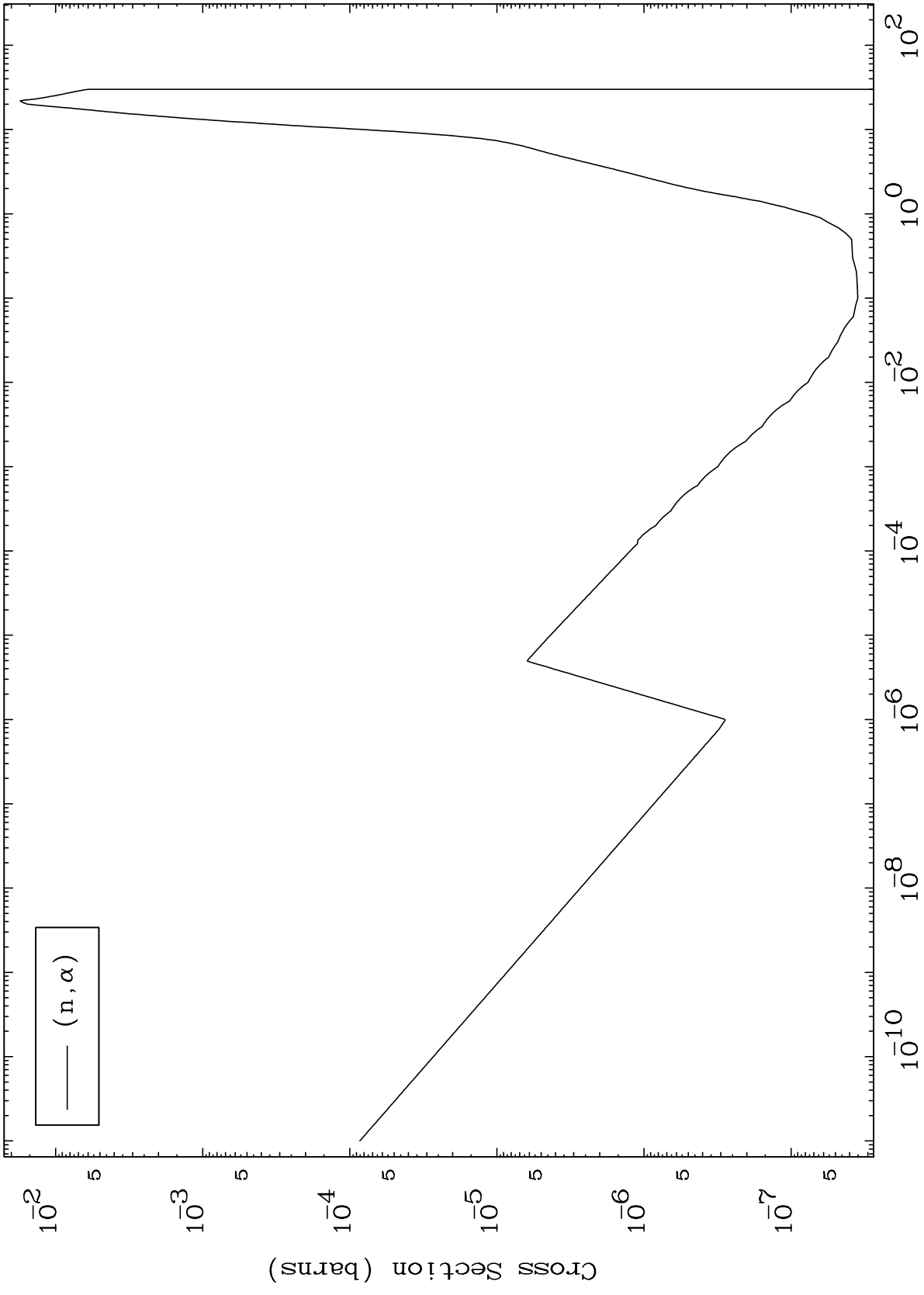
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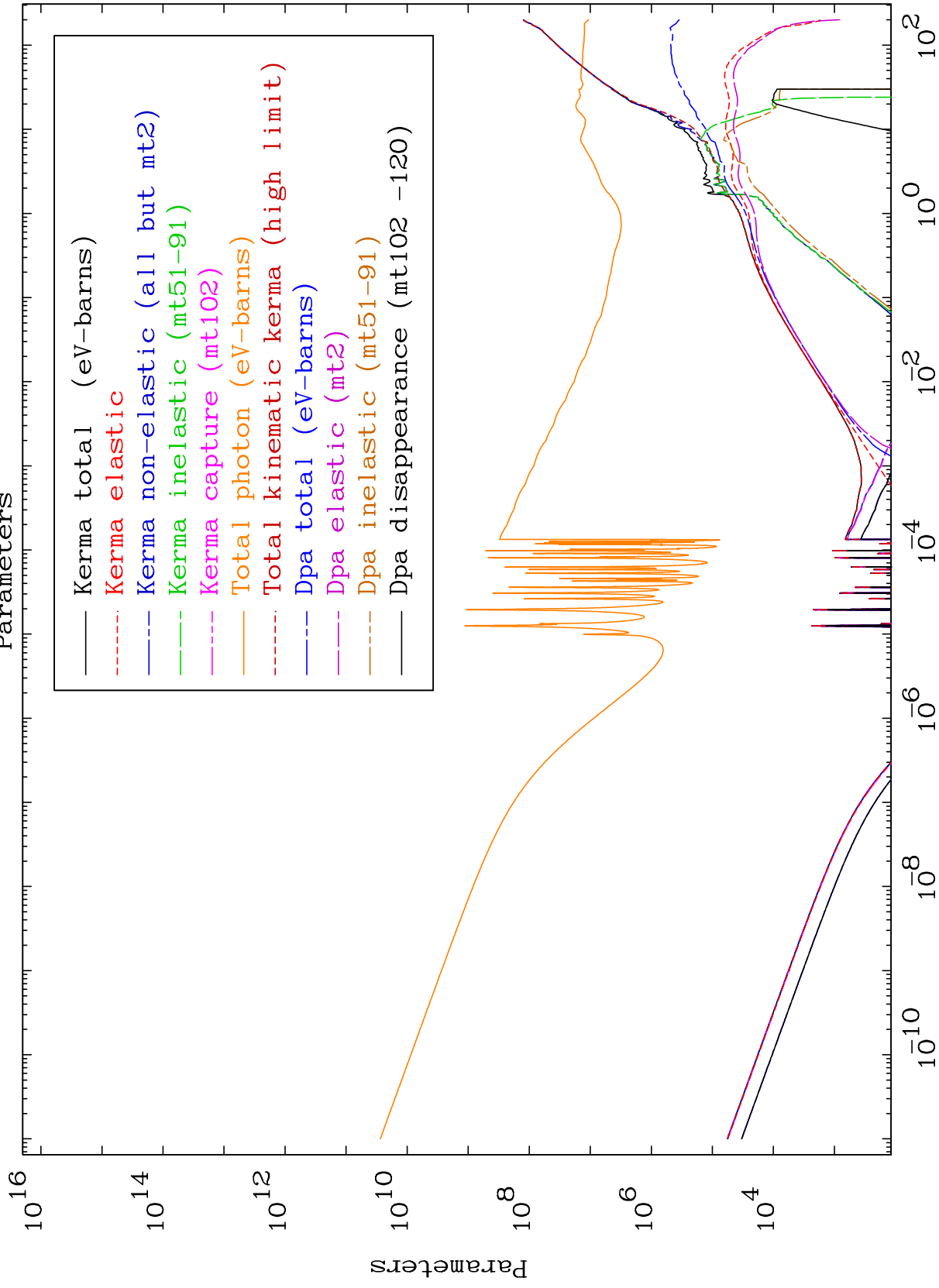
MAT 8022

(n,α) Levels  
293 Kelvin Cross Sections

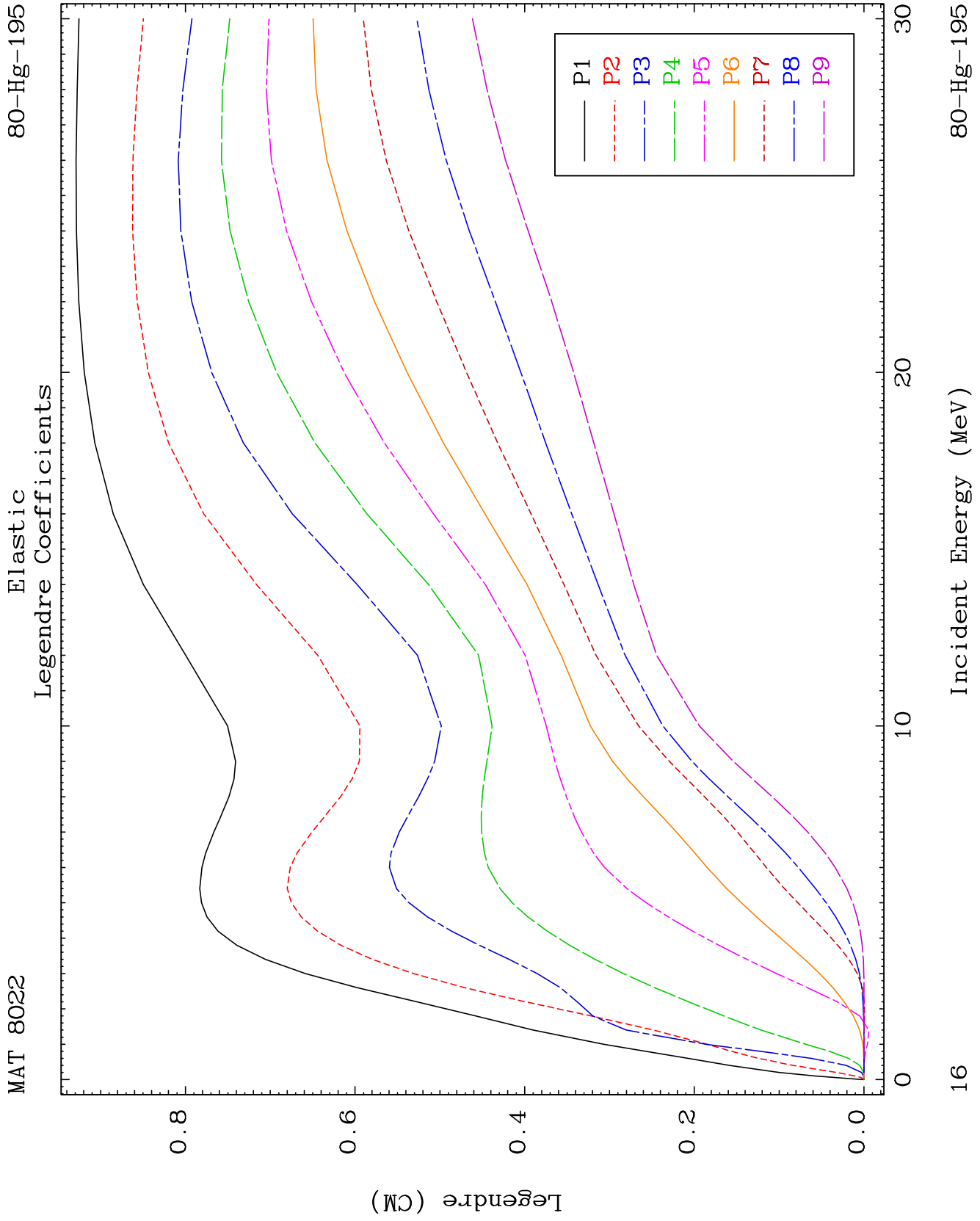
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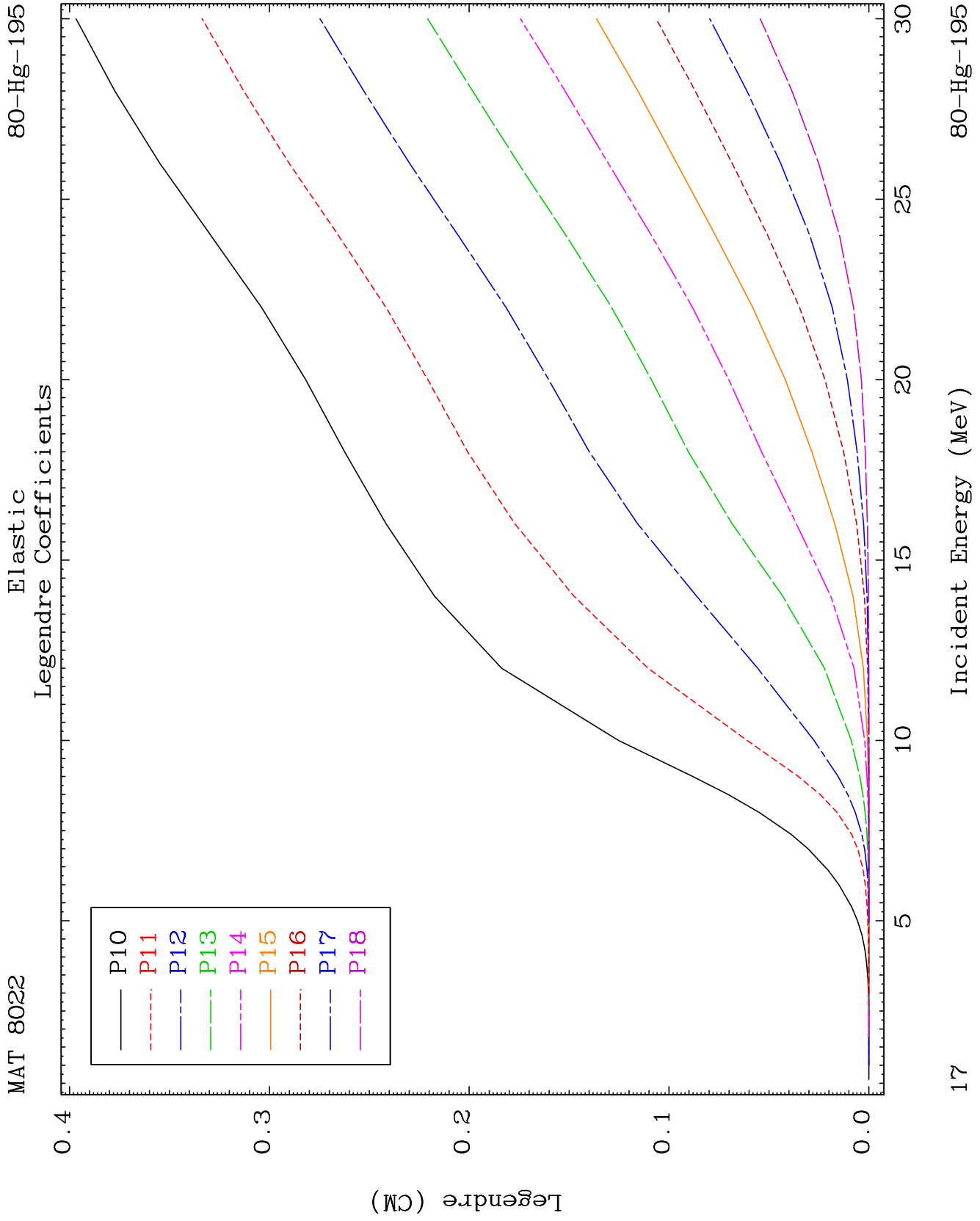


80-Hg-195





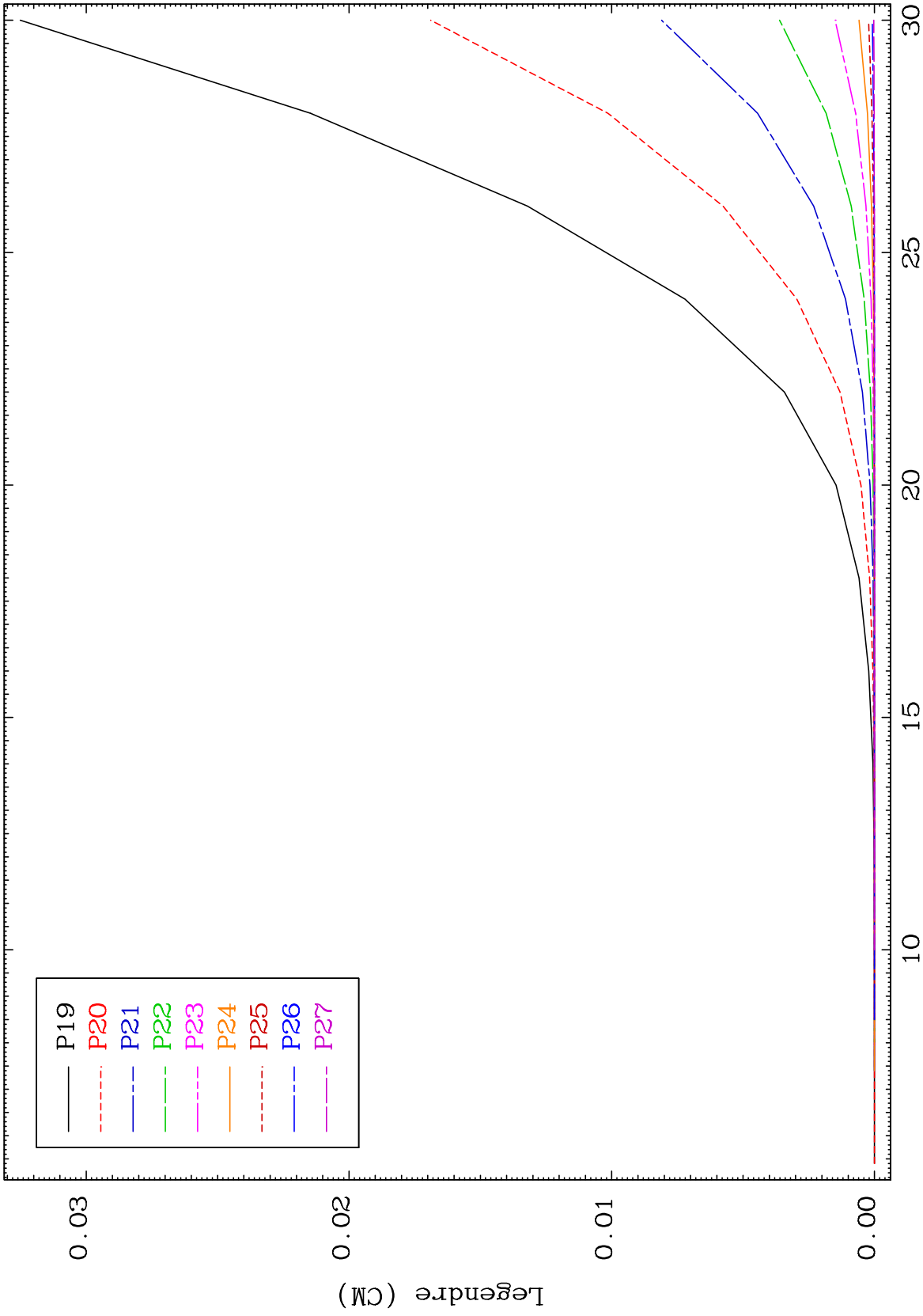




MAT 8022

### Elastic Legendre Coefficients

80-Hg-195



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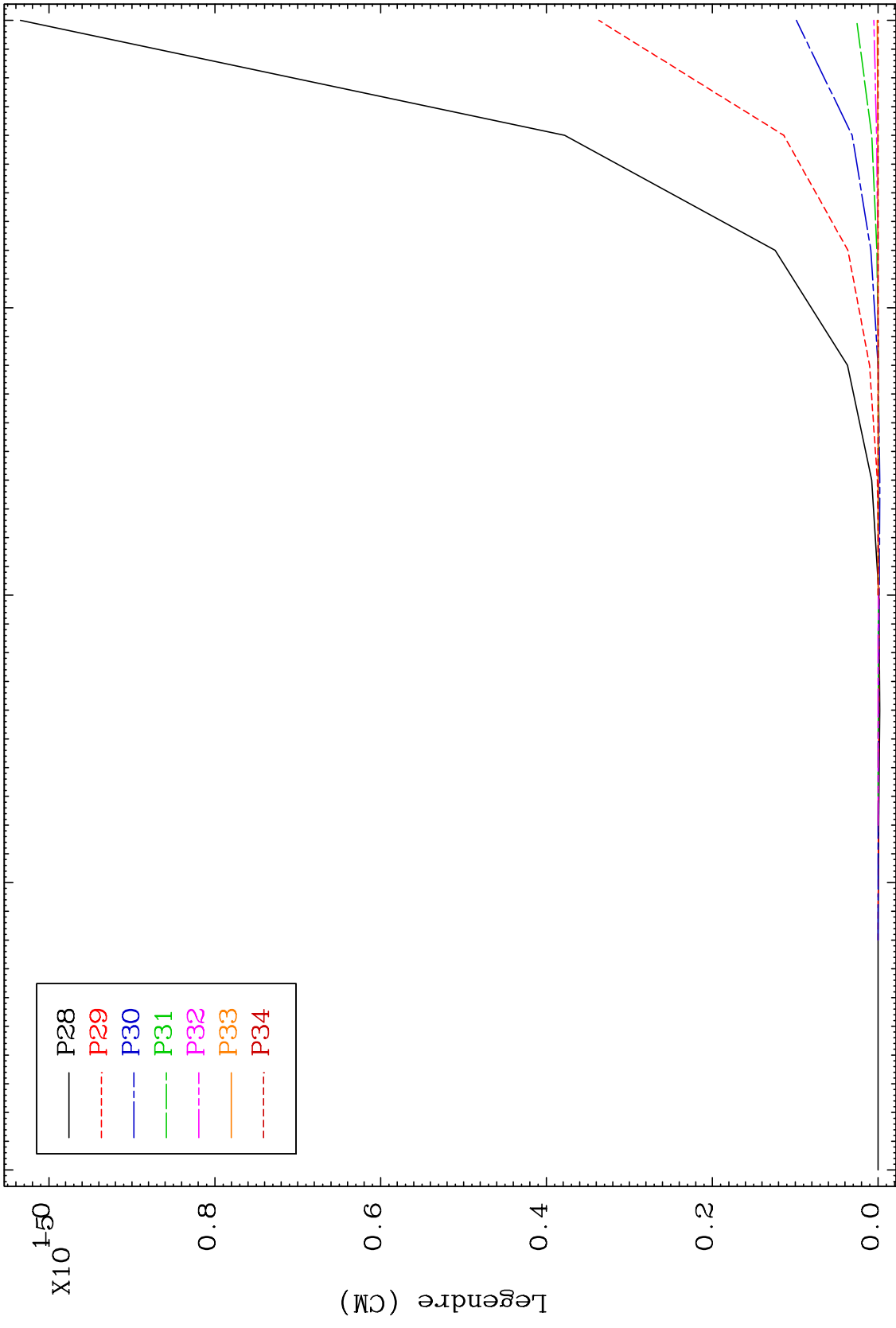
Incident Energy (MeV)

80-Hg-195

MAT 8022

Elastic Legendre Coefficients

80-Hg-195



19

Incident Energy (MeV)

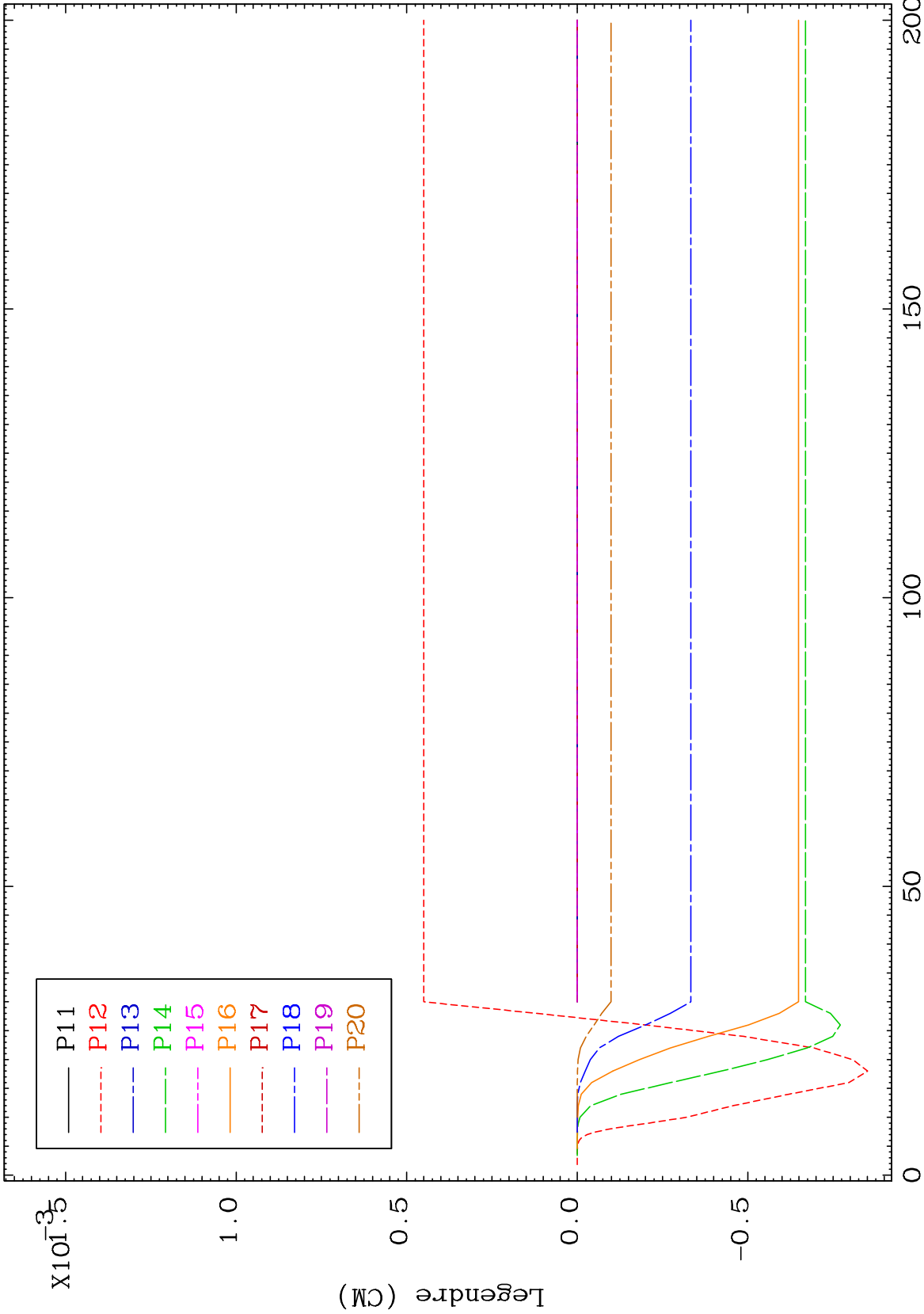
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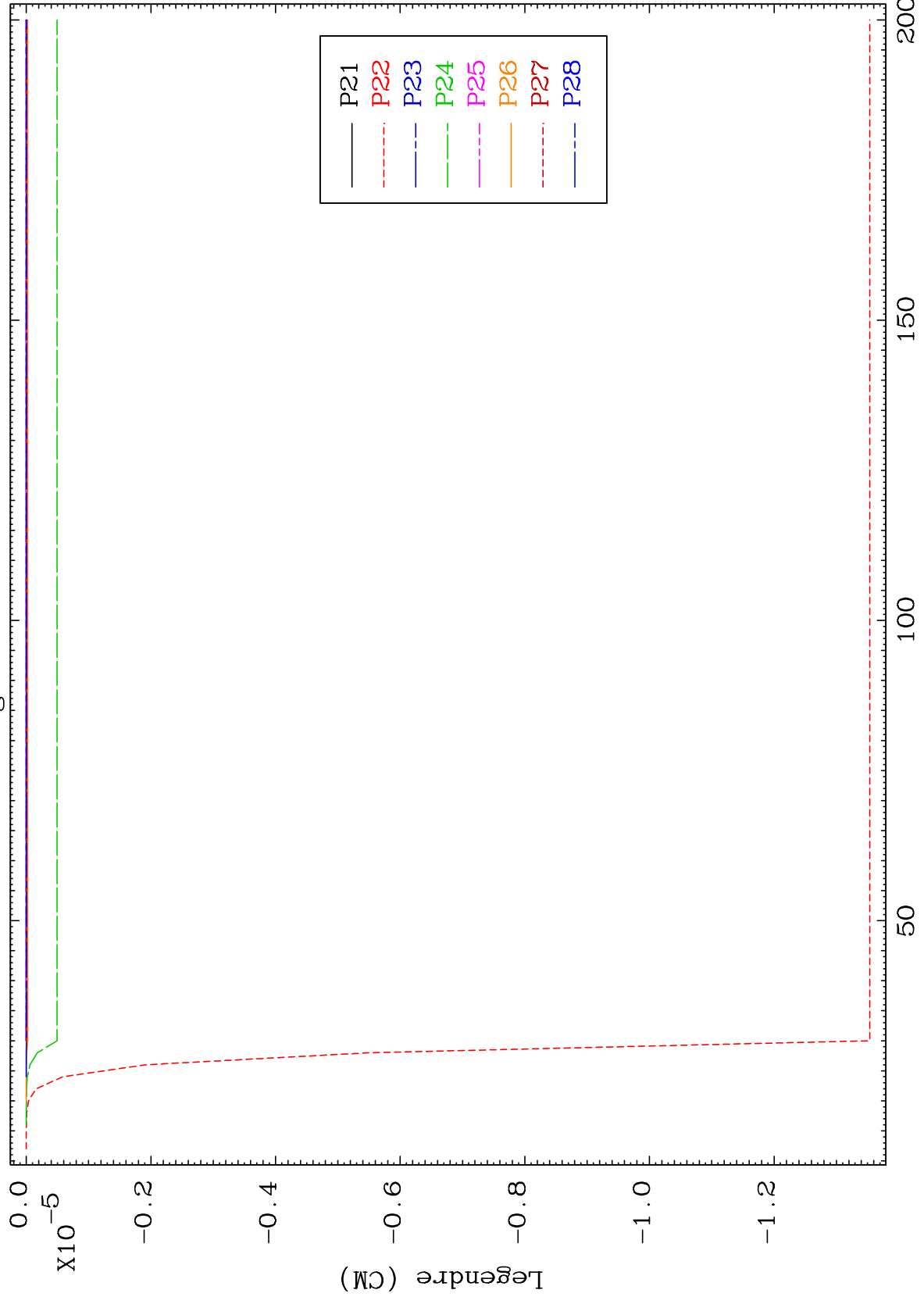
MAT 8022

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

80-Hg-195

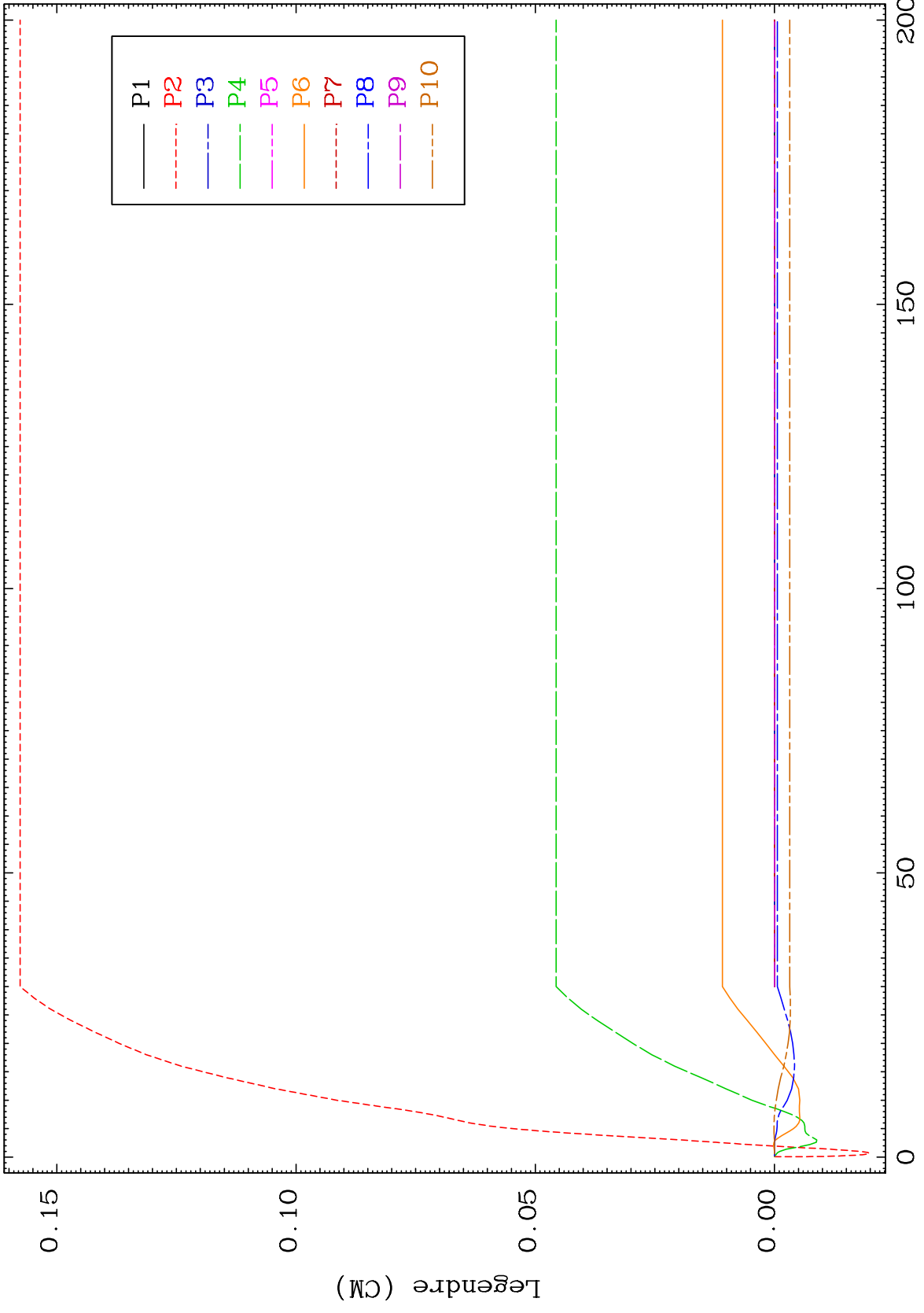


MAT 8022 MT= 51 (n,n') Level Legendre Coefficients 80-Hg-195



22 80-Hg-195

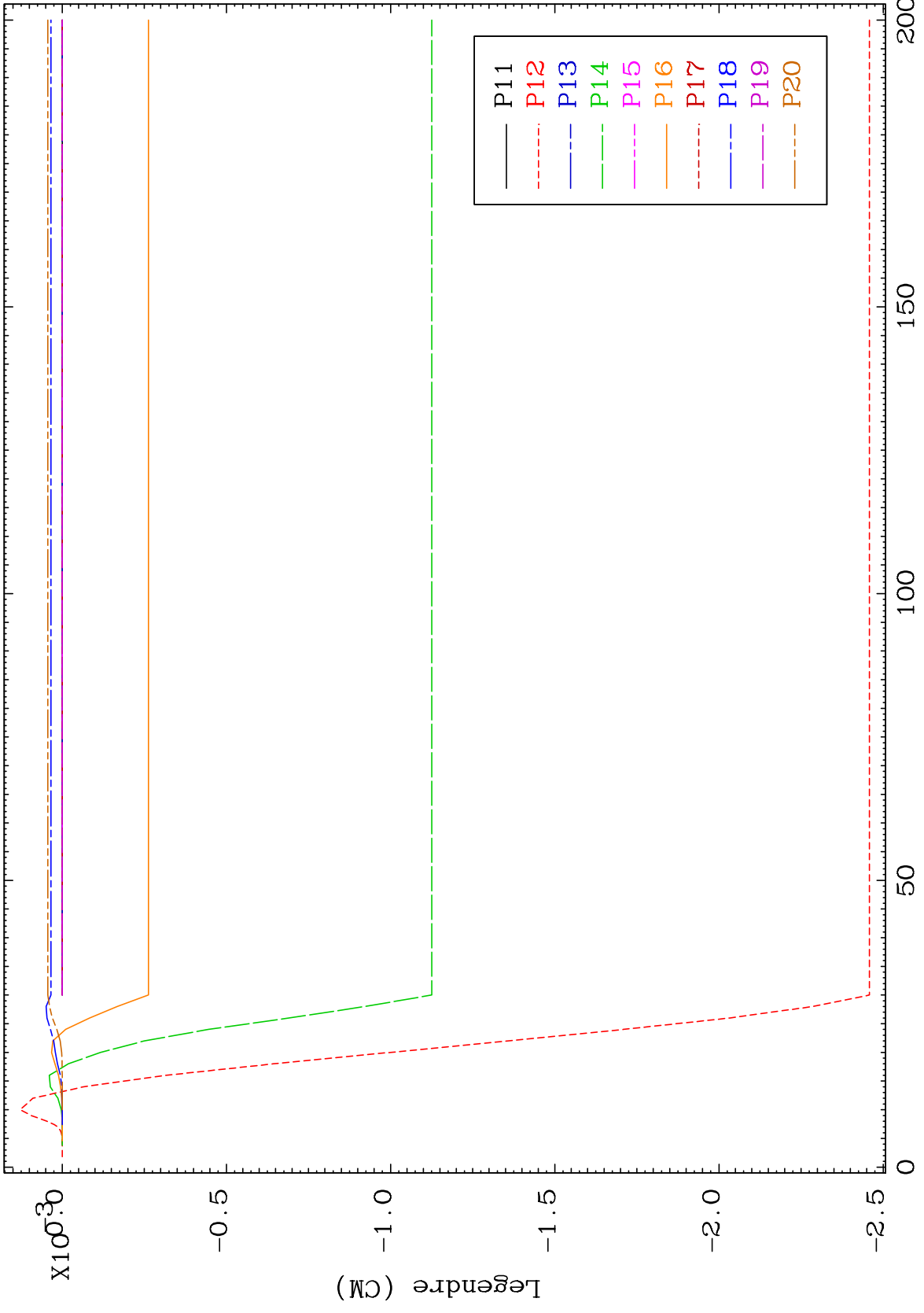
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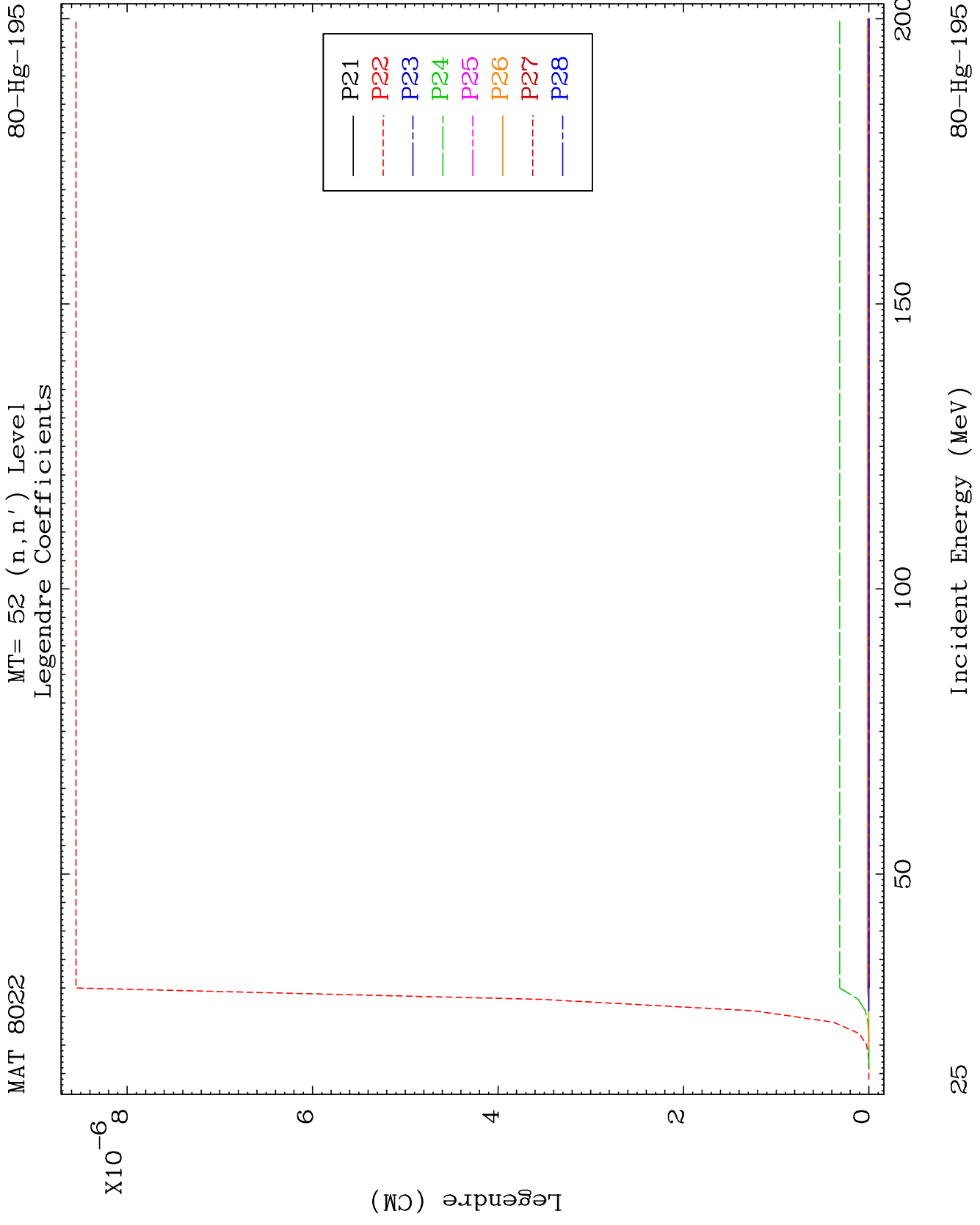


23 80-Hg-195



MAT 8022 MT= 52 (n,n') Level Legendre Coefficients 80-Hg-195

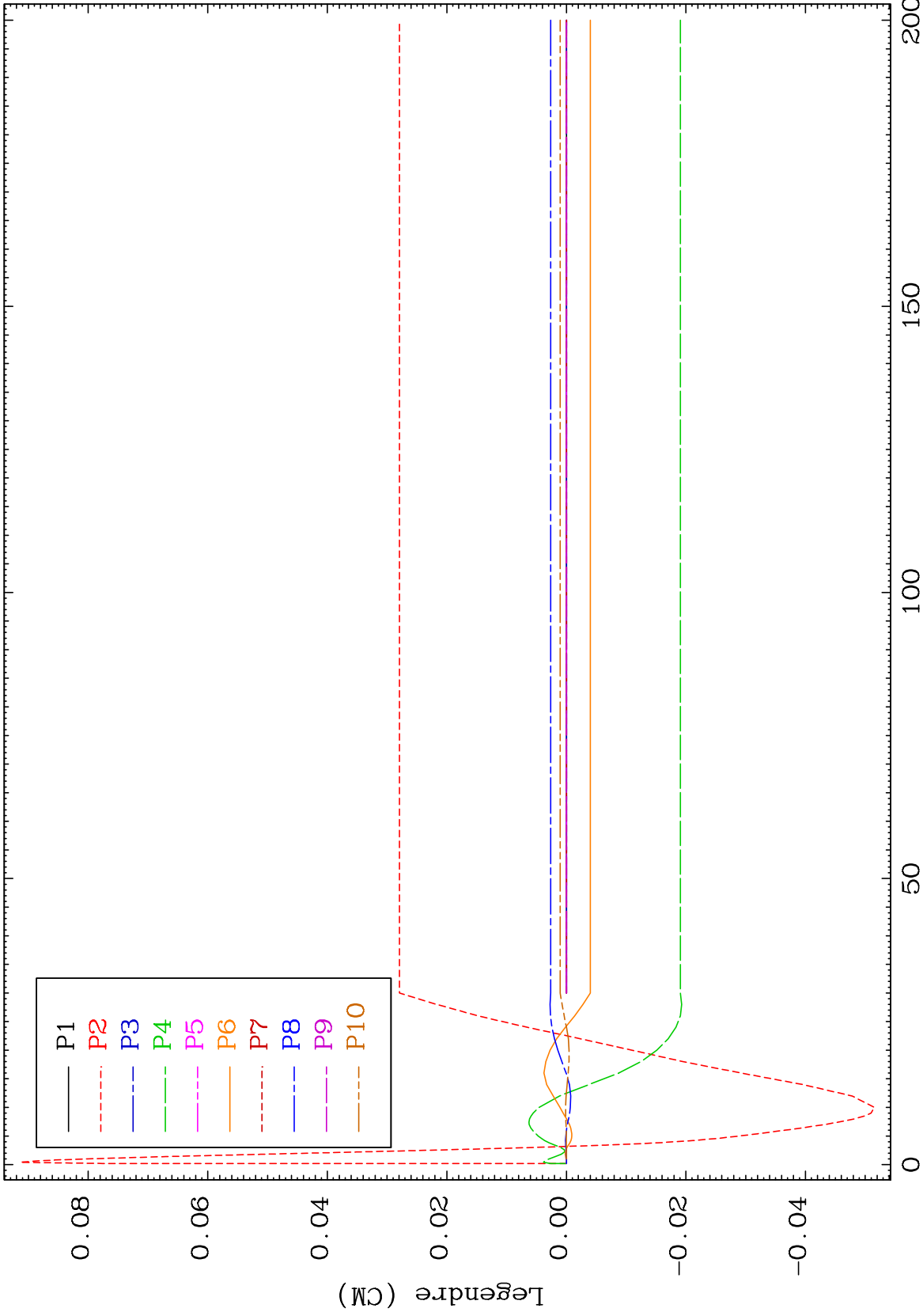




MAT 8022

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

80-Hg-195



26

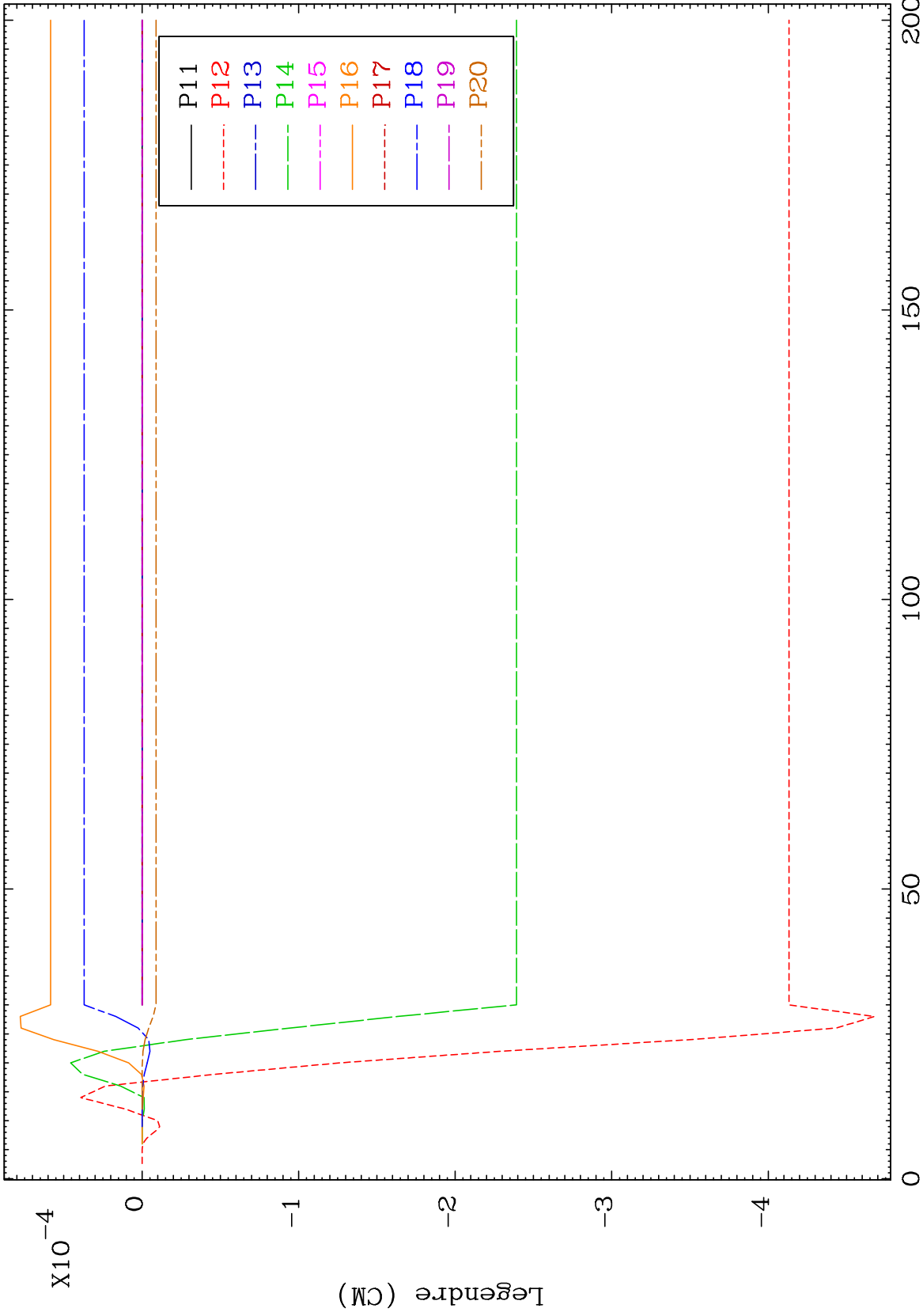
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195

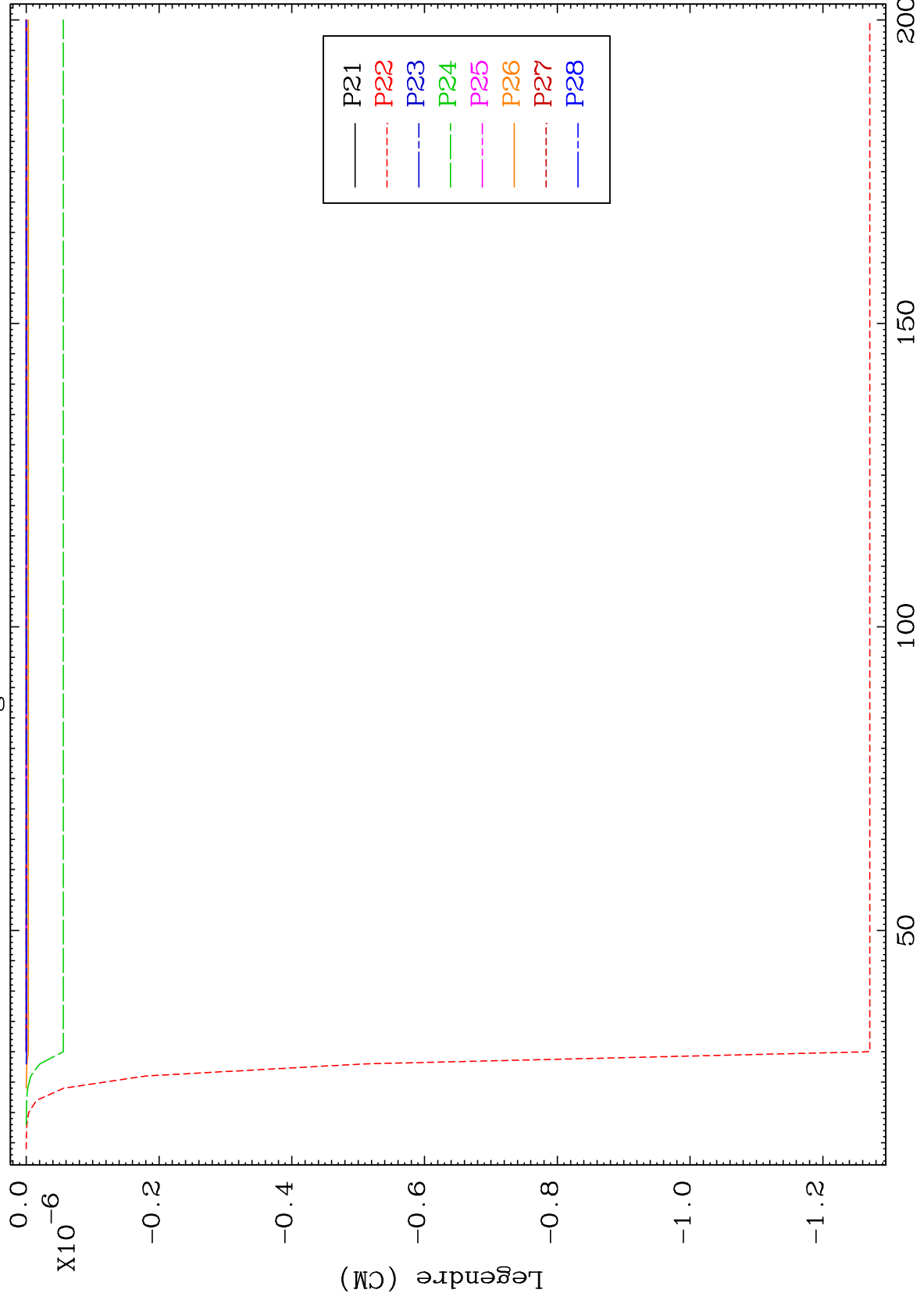


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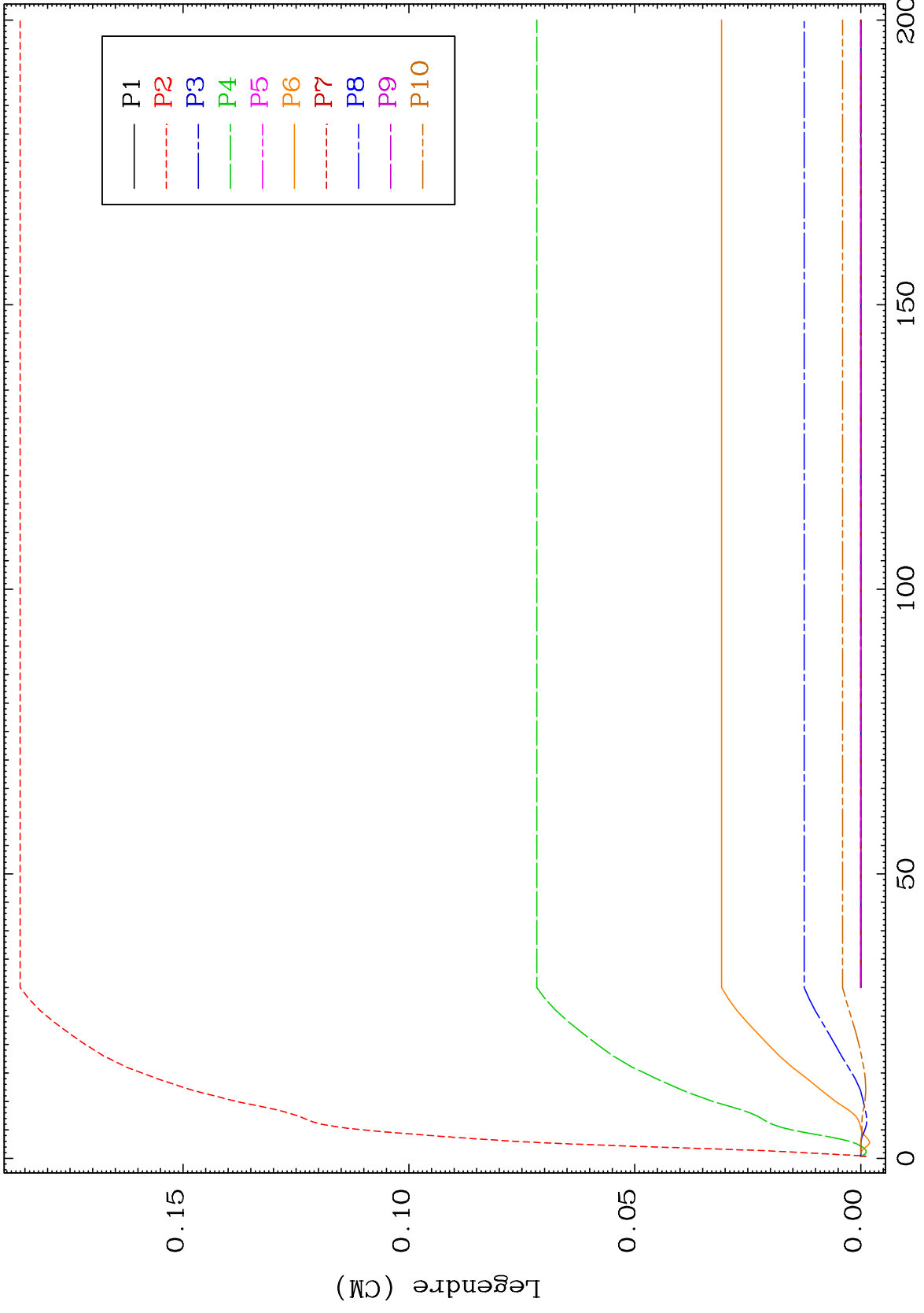
Incident Energy (MeV)

80-Hg-195

MAT 8022 MT= 53 (n,n') Level Legendre Coefficients 80-Hg-195



MAT 8022 MT= 54 (n,n') Level Legendre Coefficients 80-Hg-195

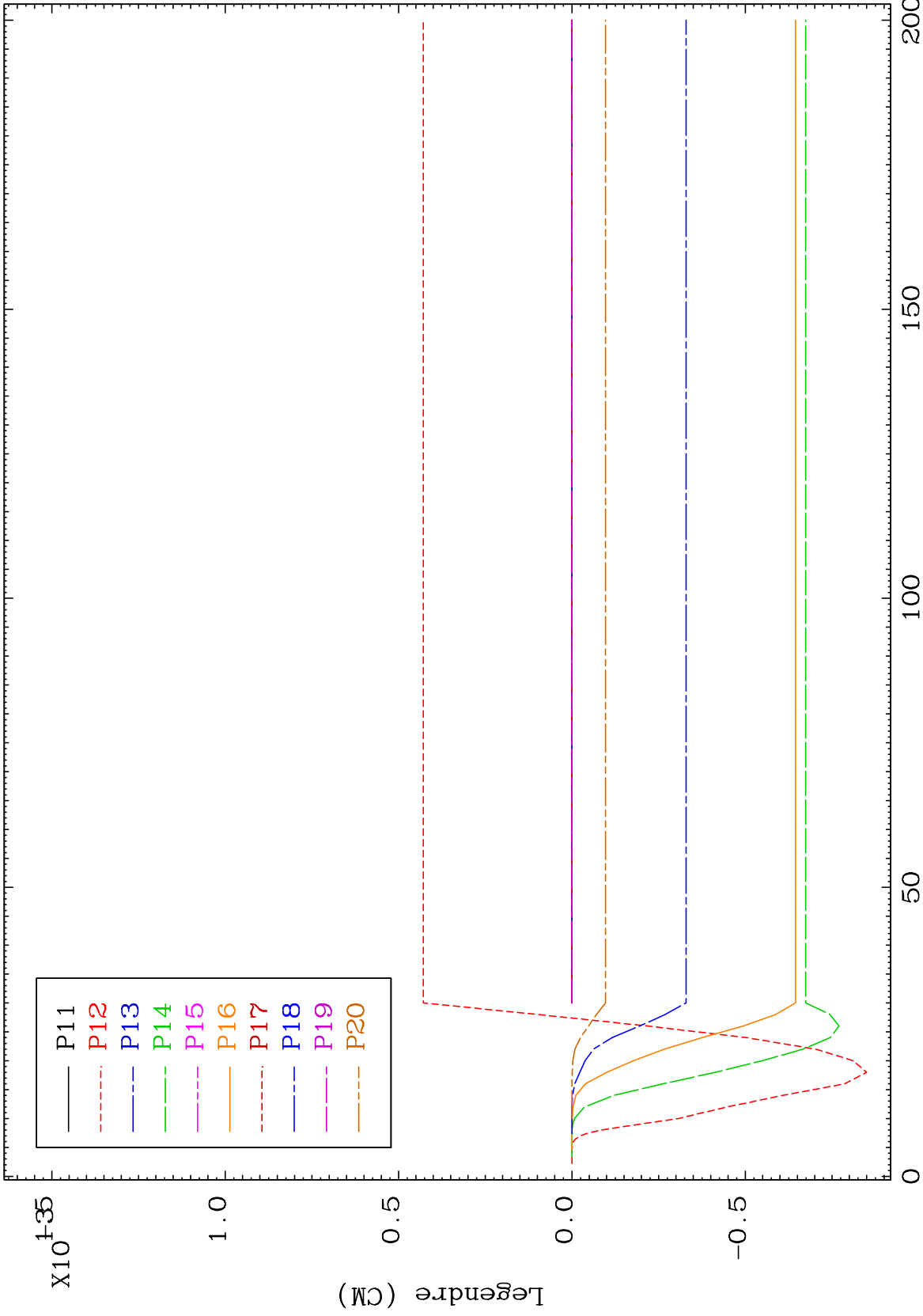


29 80-Hg-195

MAT 8022

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

80-Hg-195

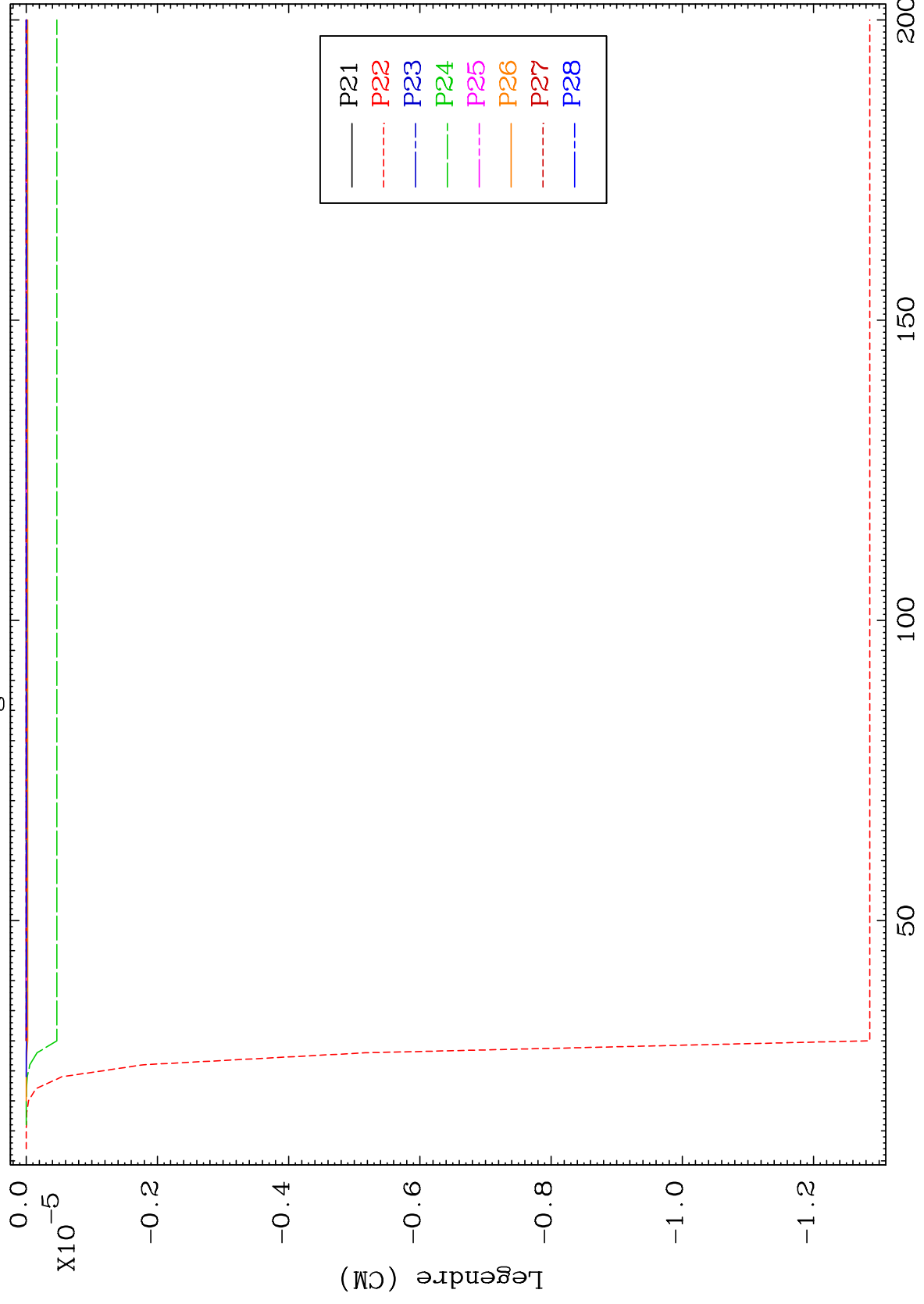


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Incident Energy (MeV)

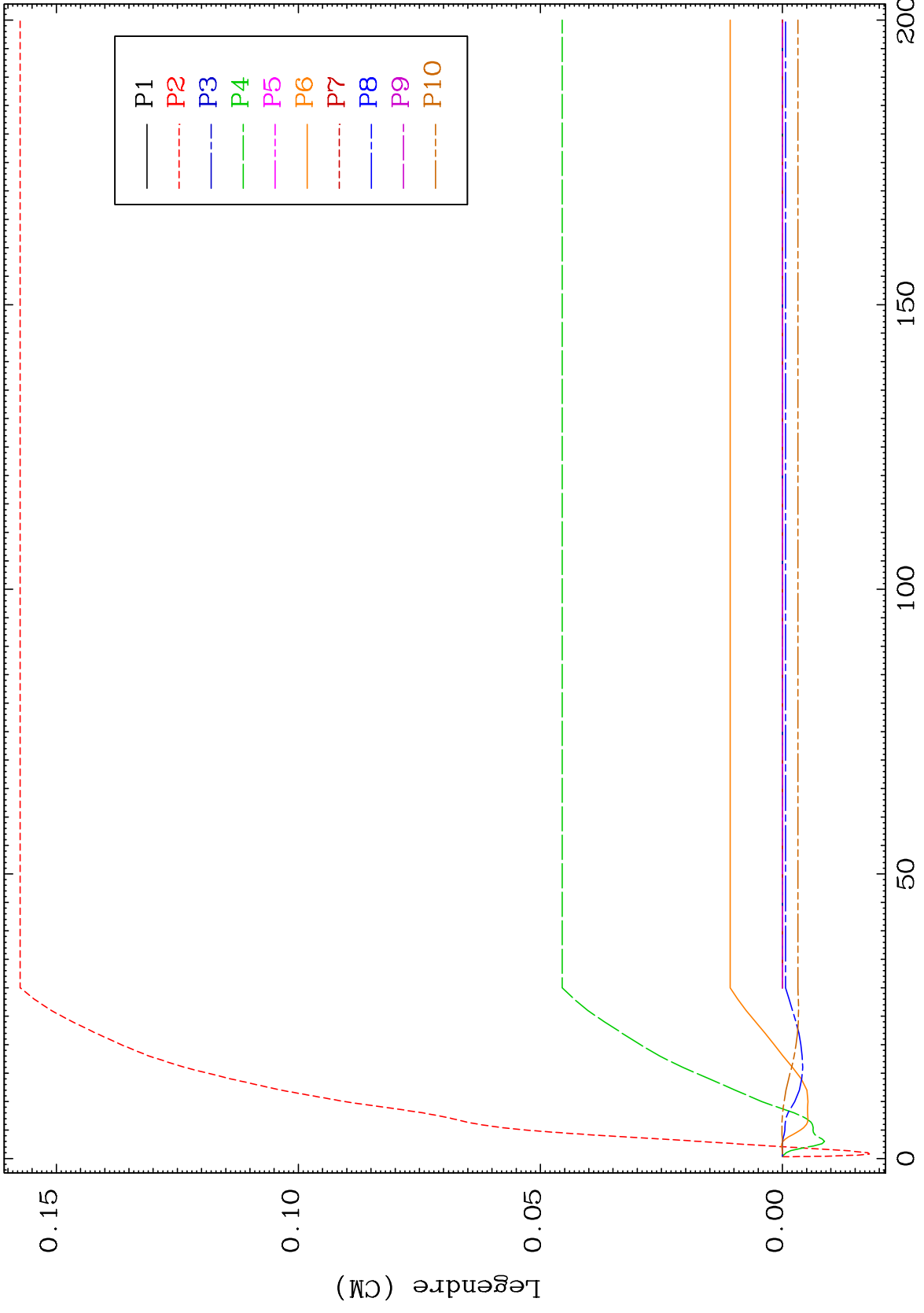
80-Hg-195

MAT 8022 MT= 54 (n,n') Level Legendre Coefficients 80-Hg-195



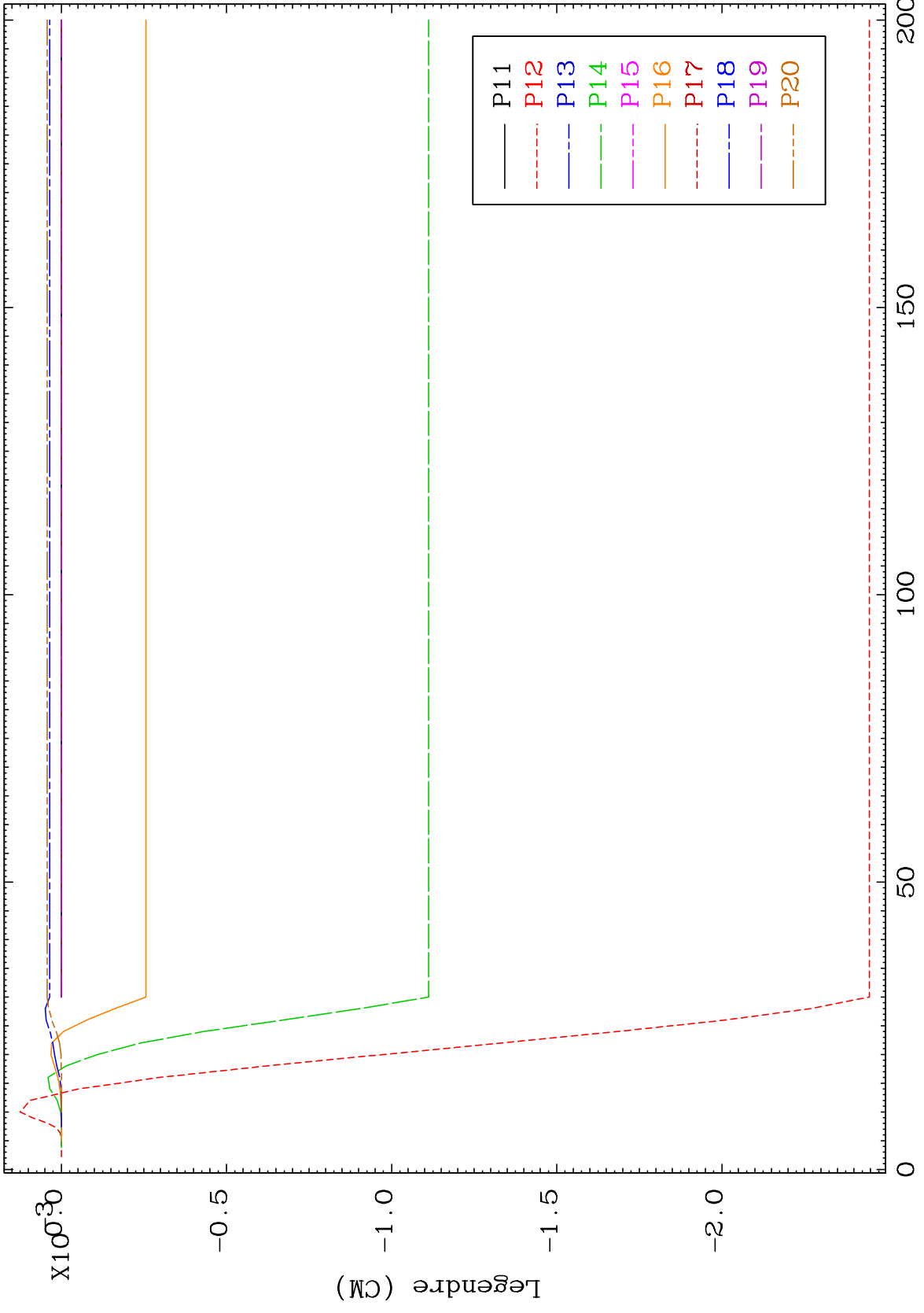


MAT 8022 MT= 55 (n,n') Level Legendre Coefficients 80-Hg-195

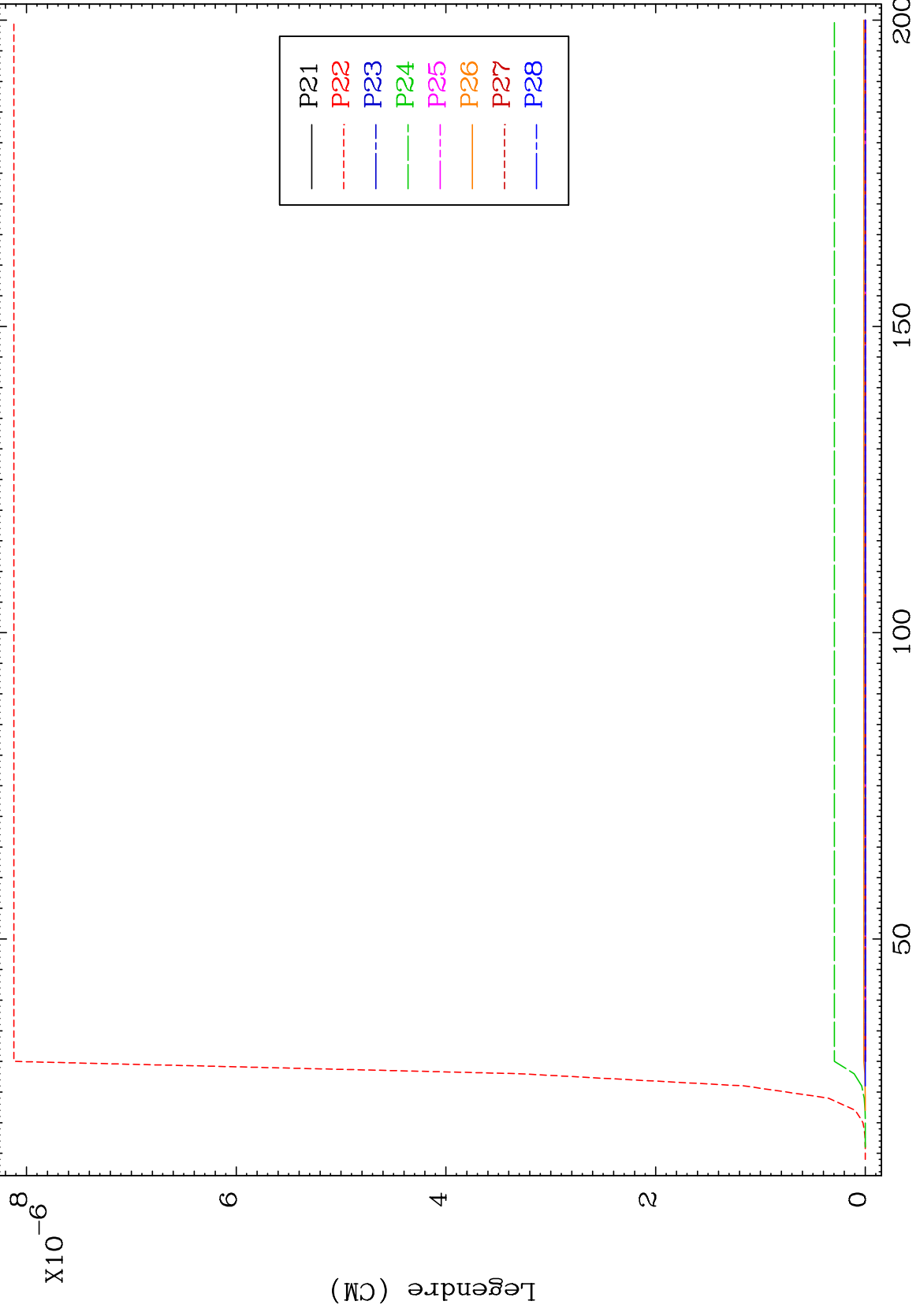


32 80-Hg-195

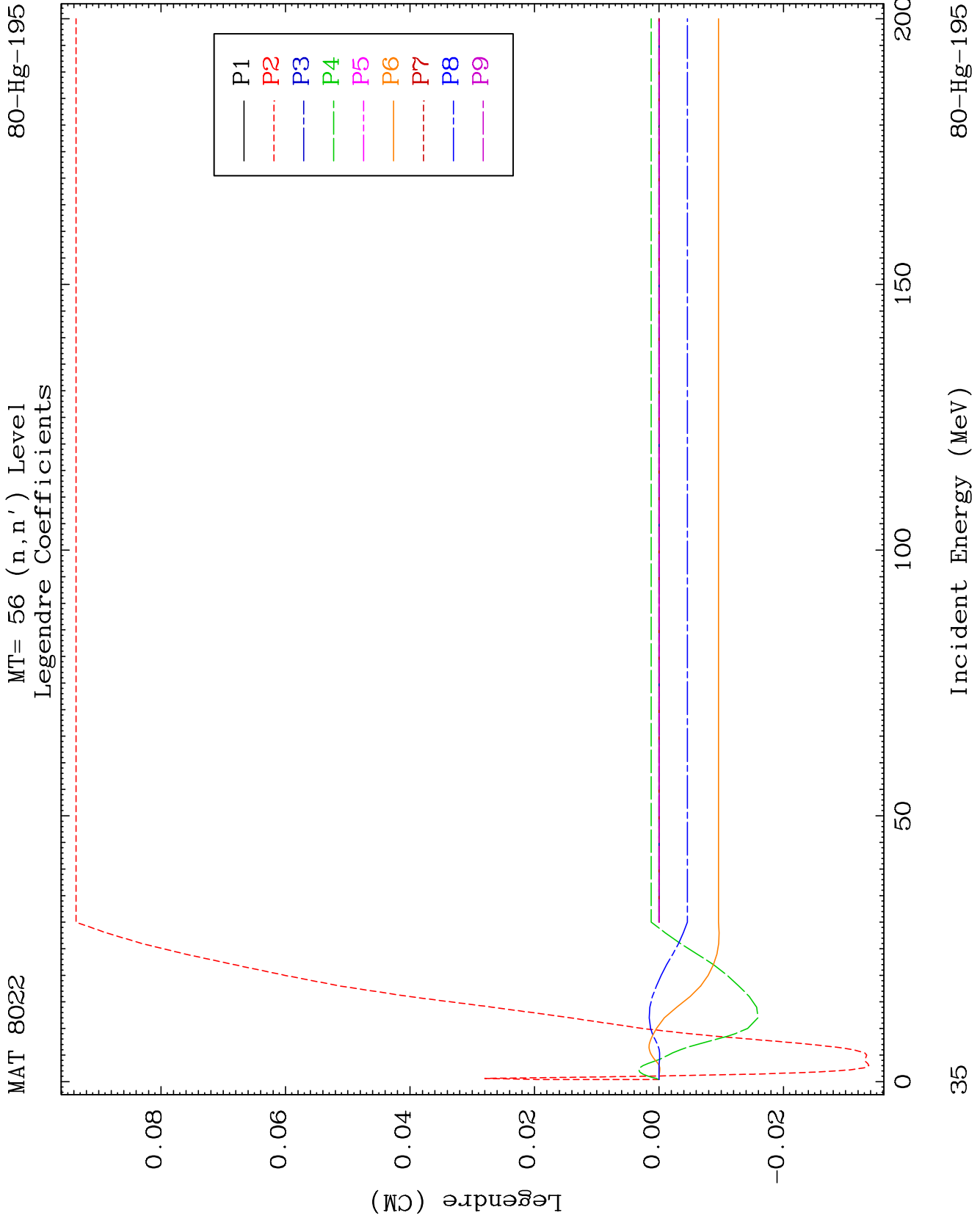
MAT 8022 MT= 55 (n,n') Level Legendre Coefficients 80-Hg-195



MAT 8022 MT= 55 (n,n') Level Legendre Coefficients 80-Hg-195



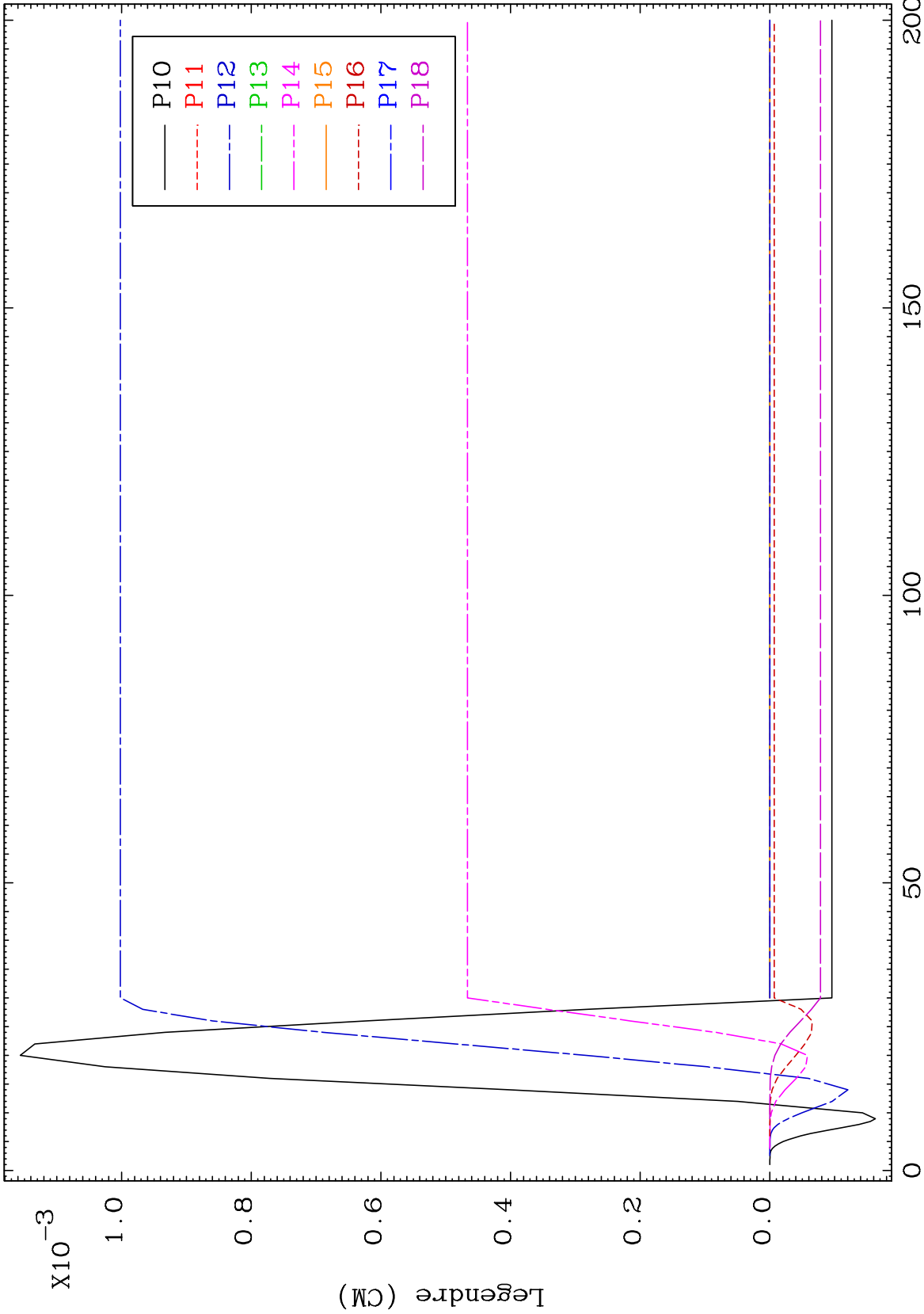
34 Incident Energy (MeV) 80-Hg-195



MAT 8022

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

80-Hg-195

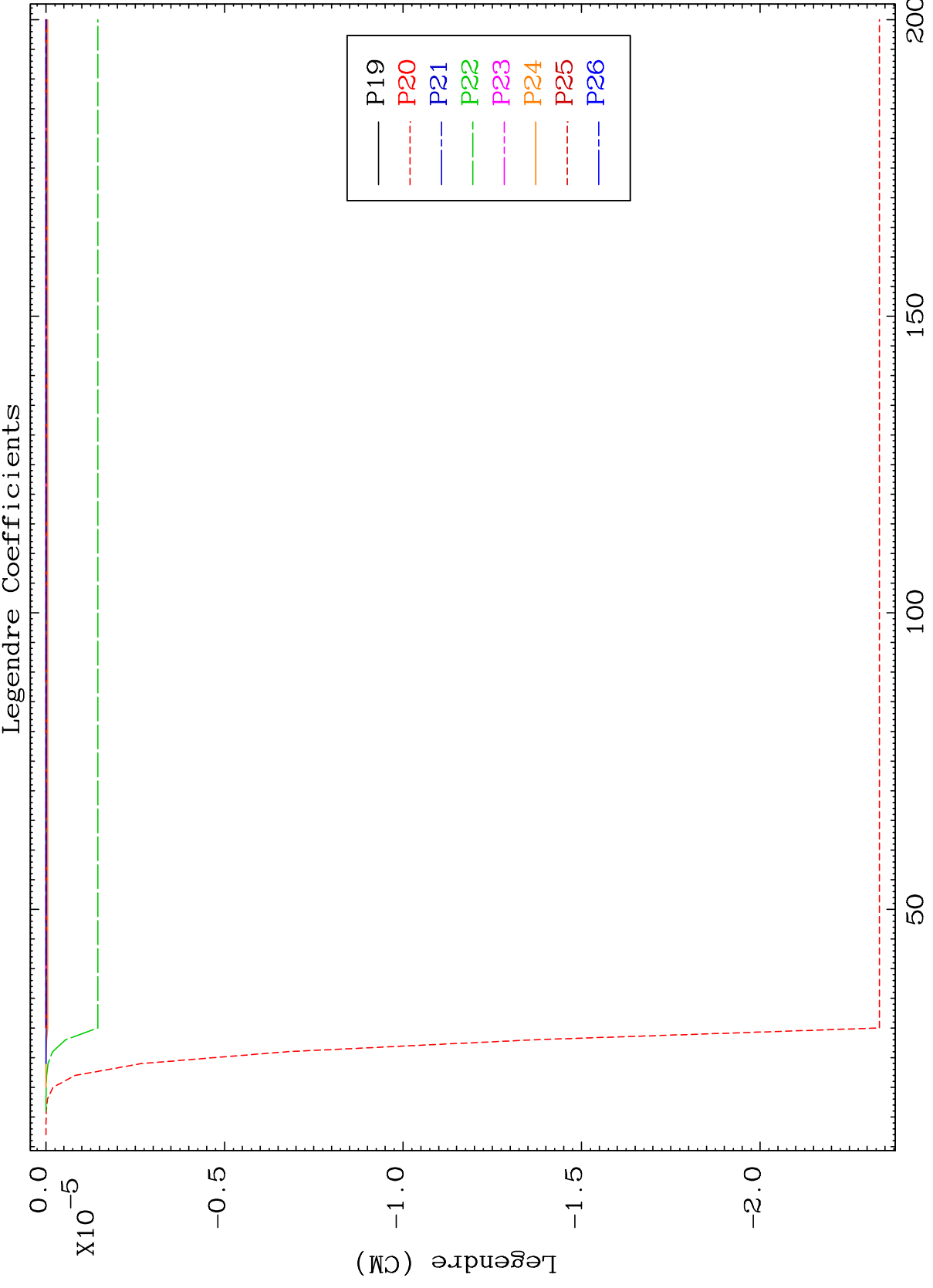


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Incident Energy (MeV)

80-Hg-195

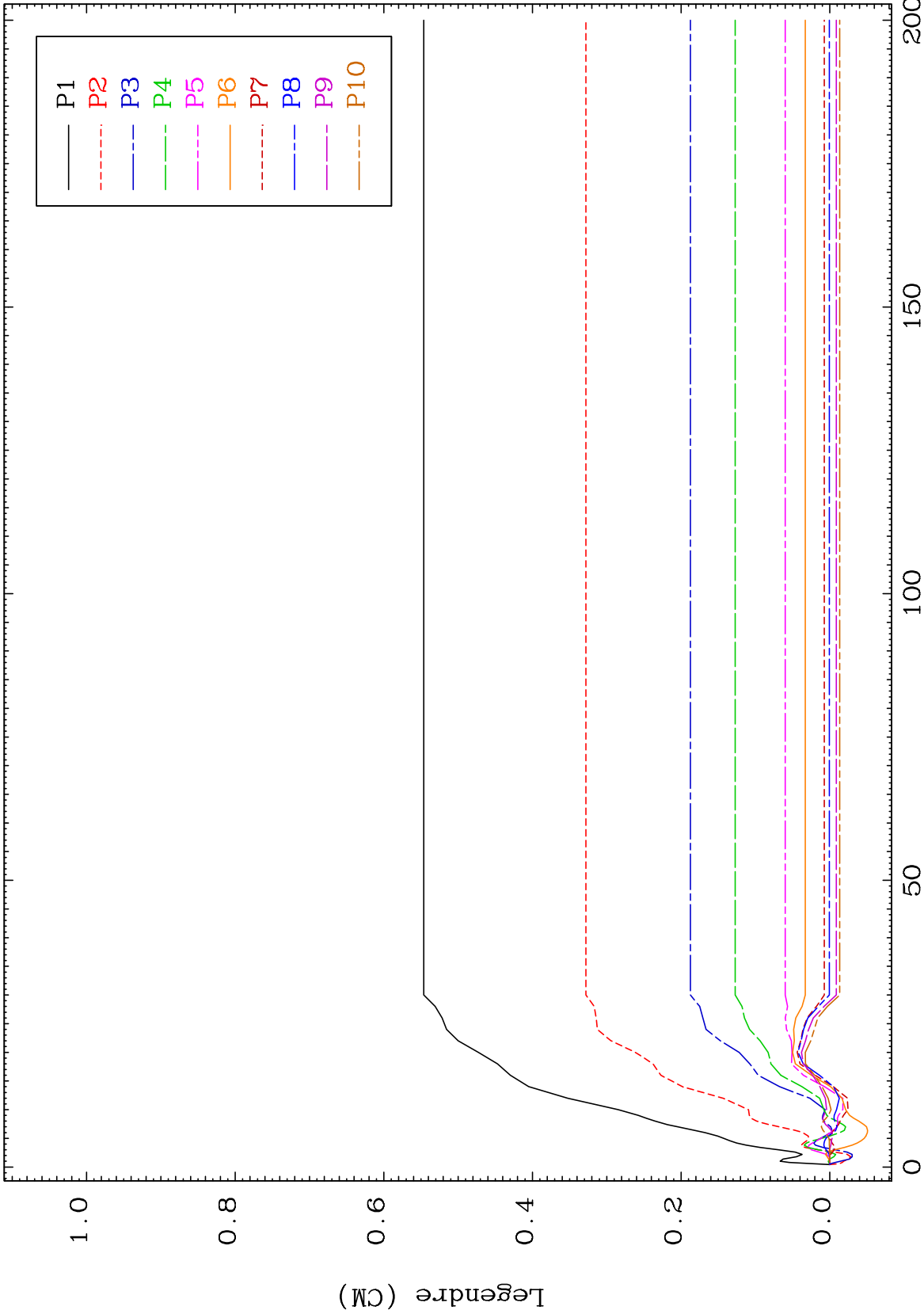
MAT 8022 MT= 56 (n,n') Level Legendre Coefficients 80-Hg-195



MAT 8022

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

80-Hg-195



38

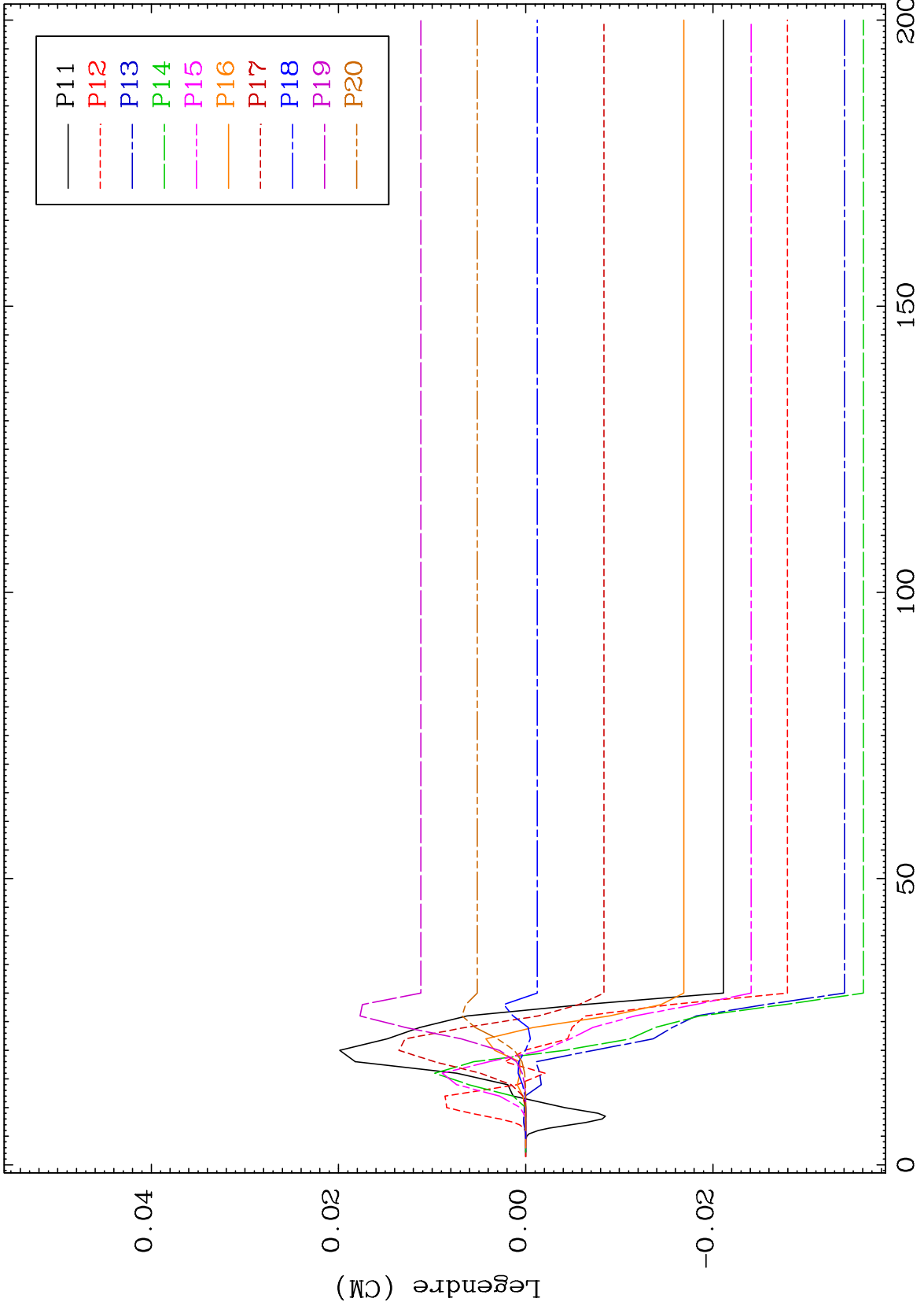
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195



39

Incident Energy (MeV)

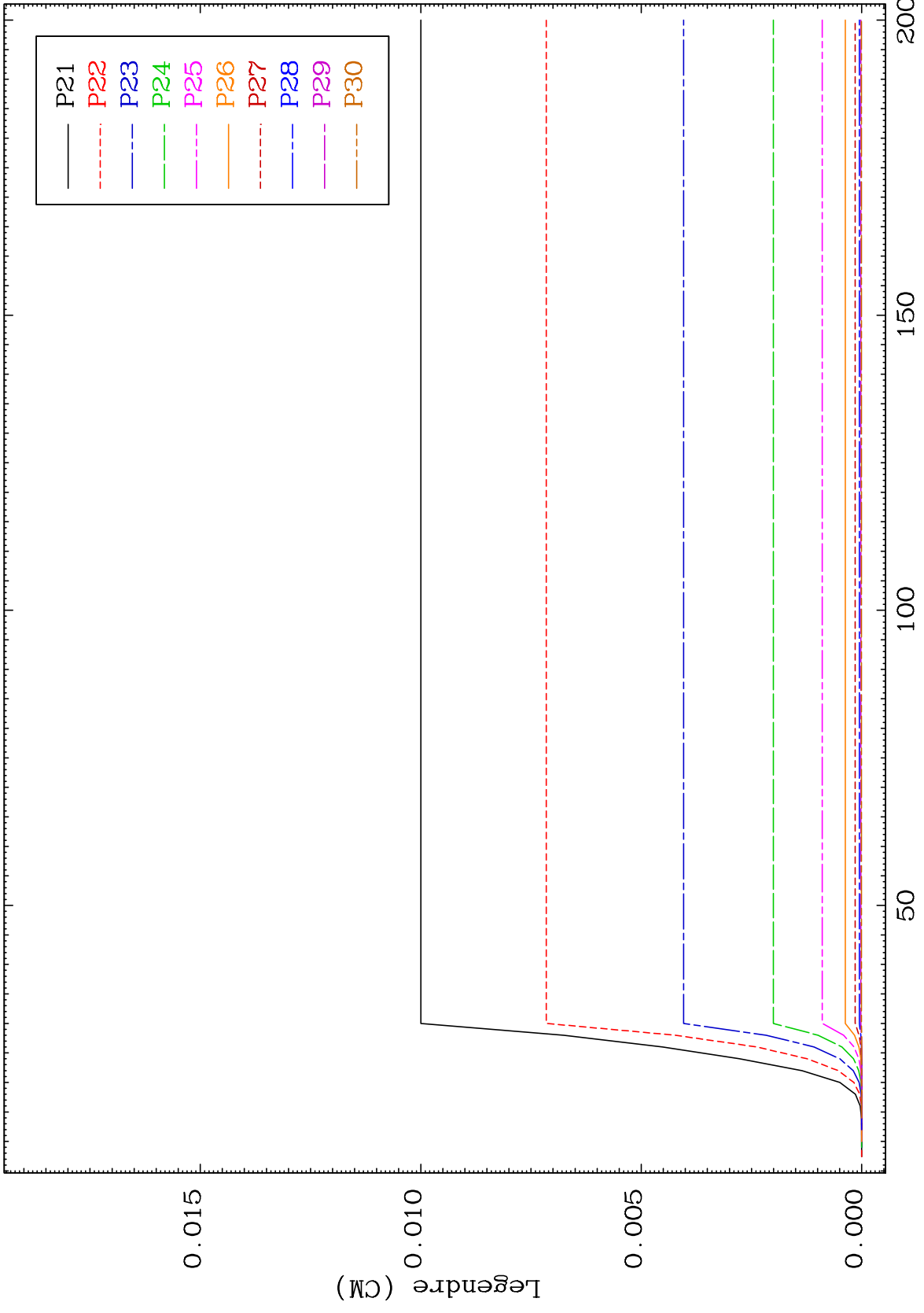
80-Hg-195



MAT 8022

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

80-Hg-195



40

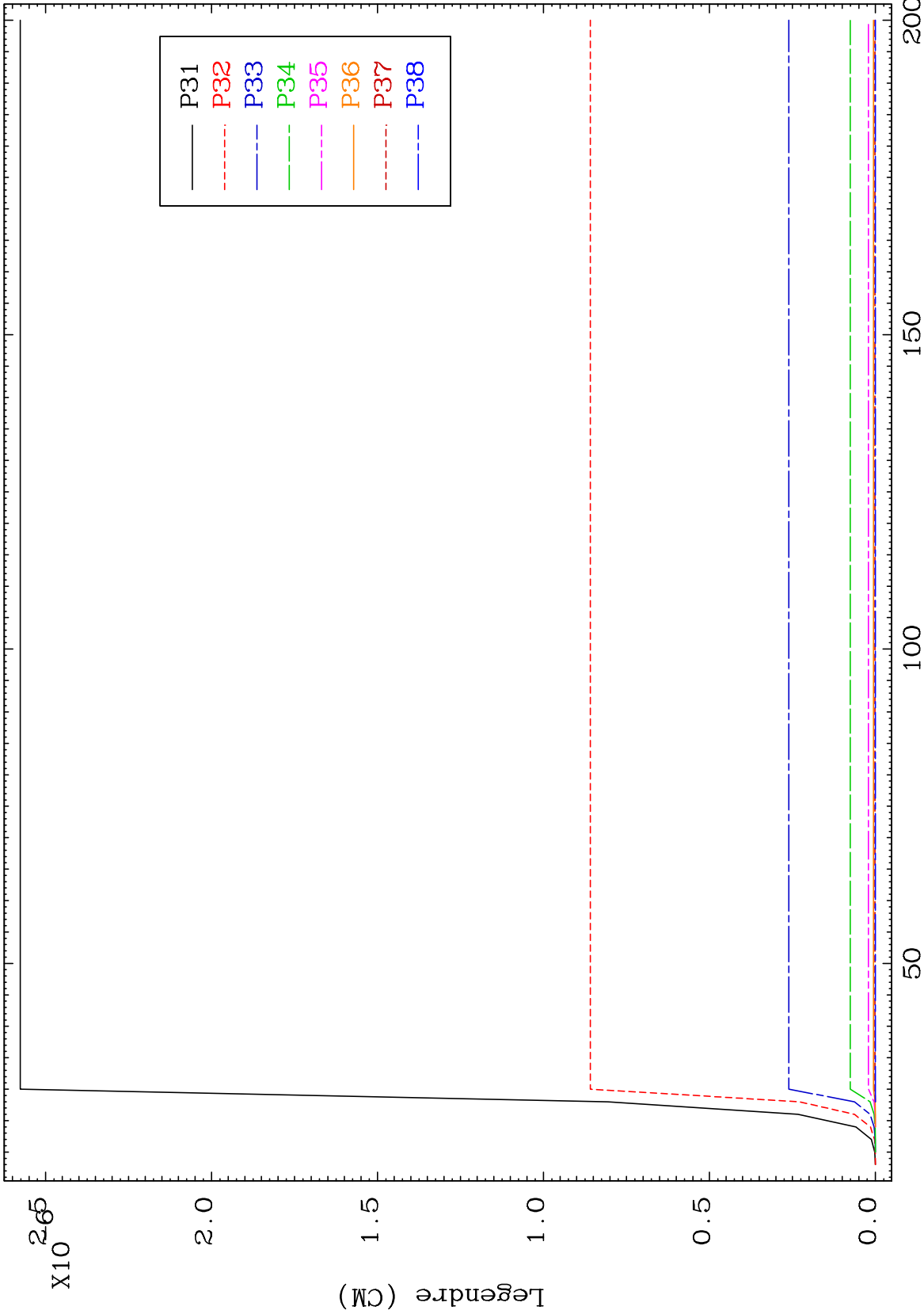
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195



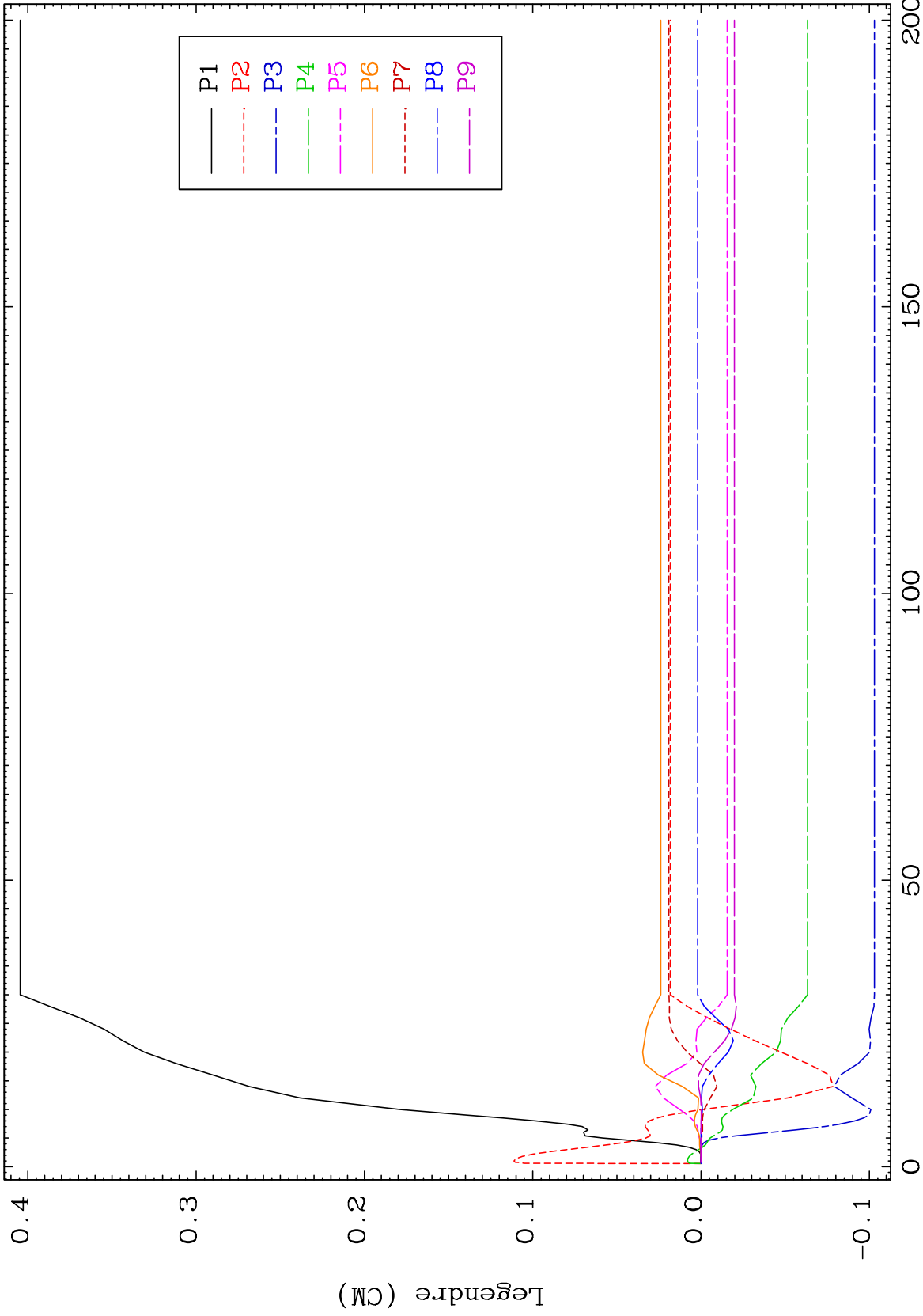
41

80-Hg-195

MAT 8022

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

80-Hg-195



42

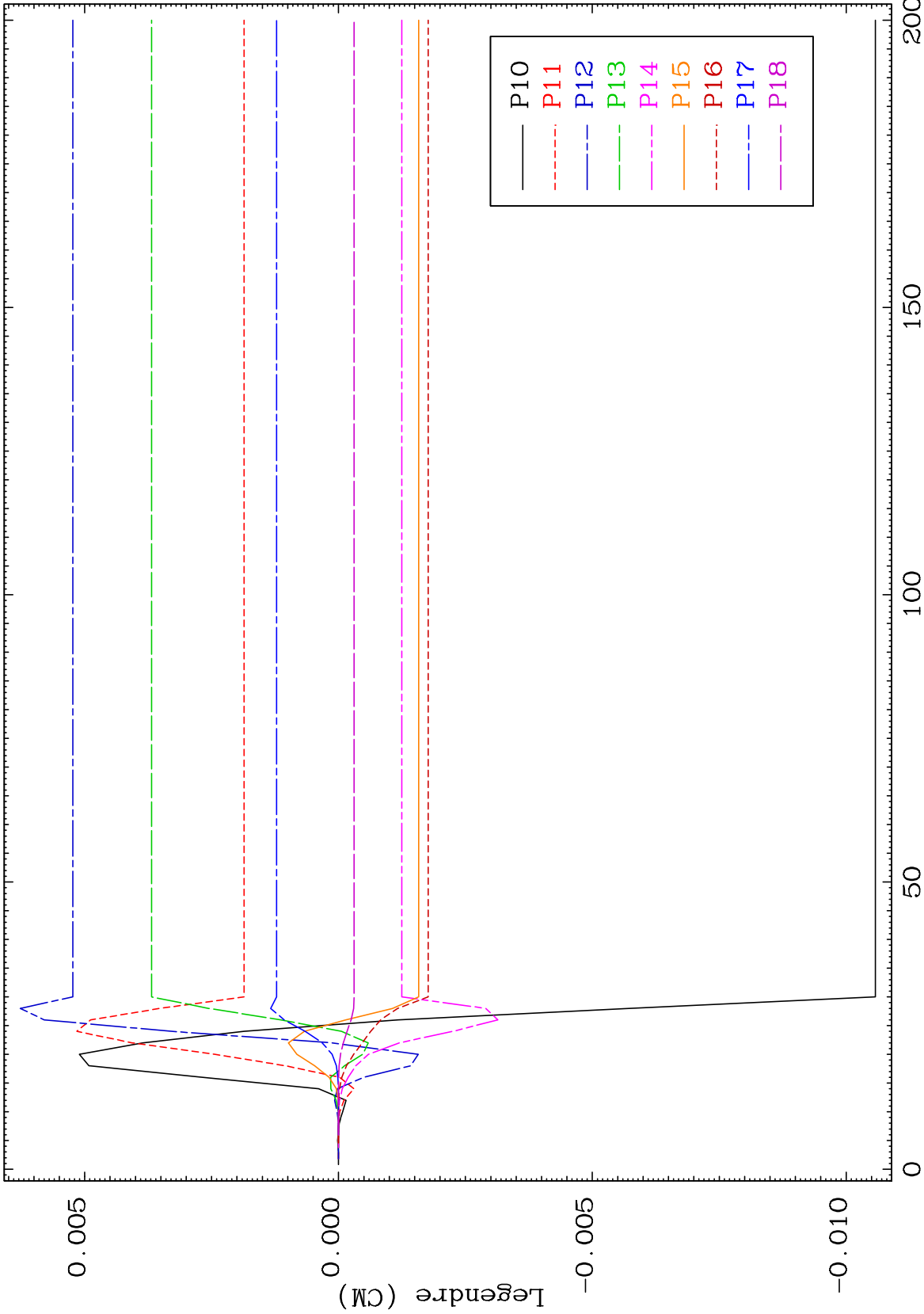
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195



43

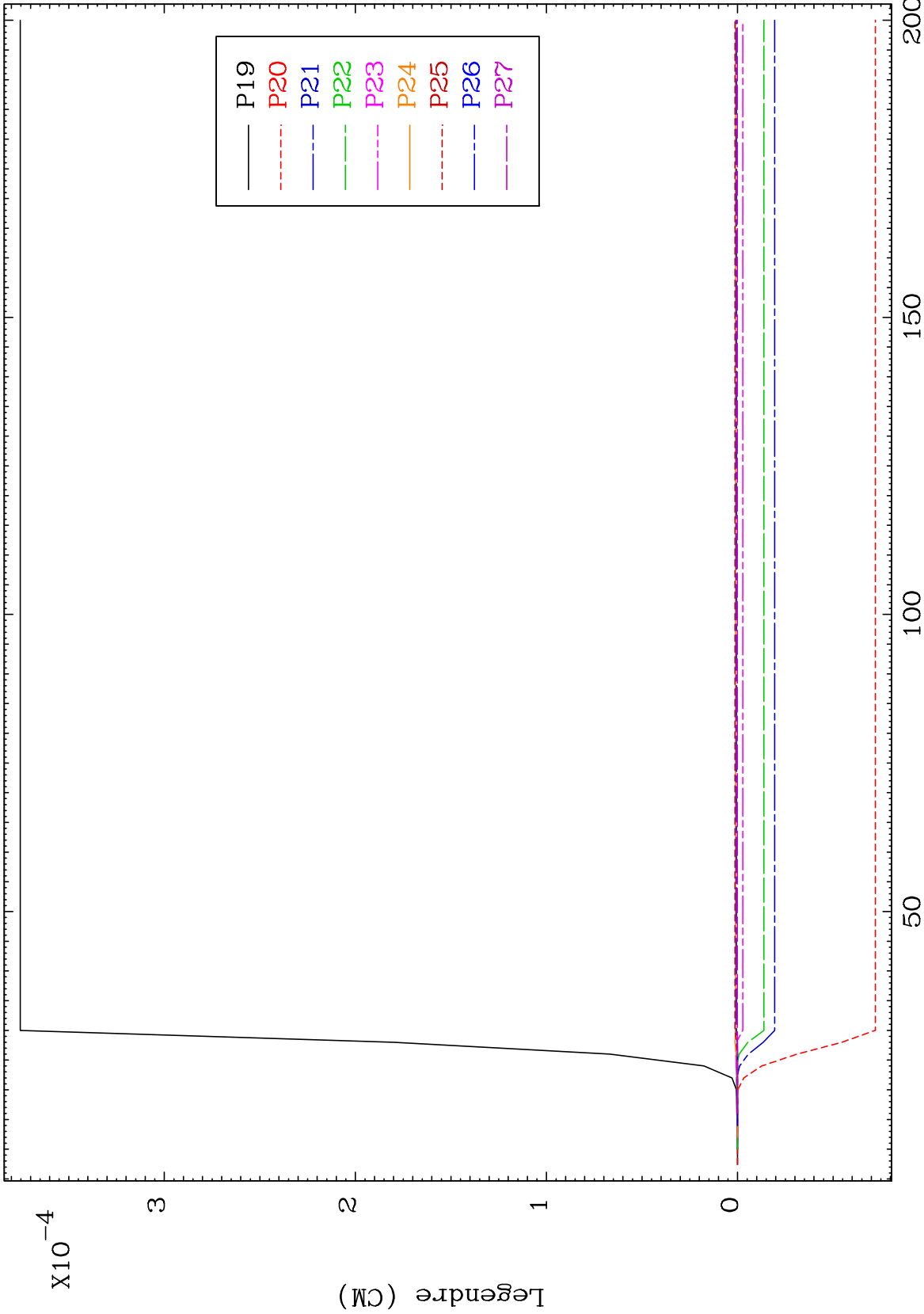
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195



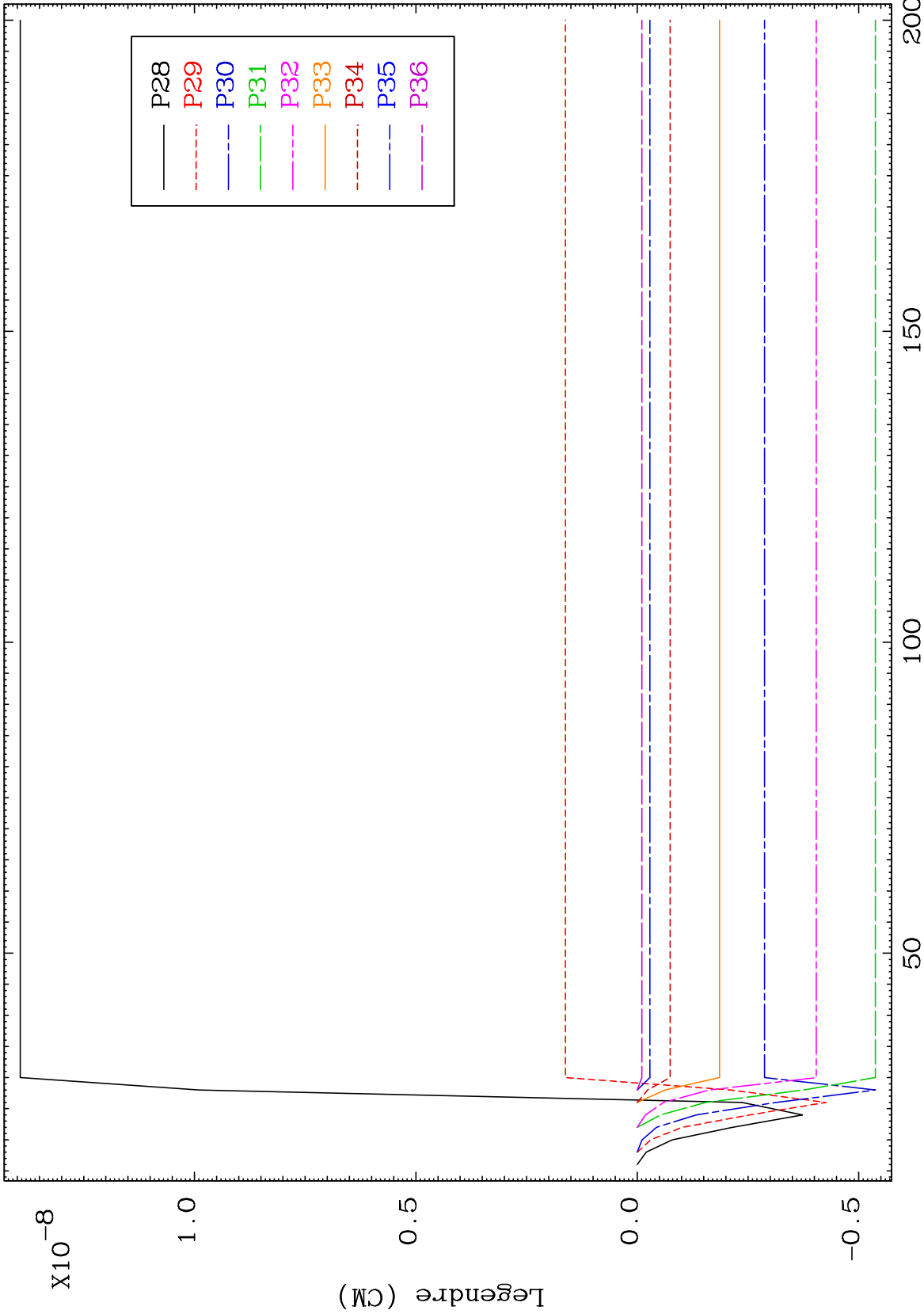
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80-Hg-195

MAT 8022

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

80-Hg-195



45

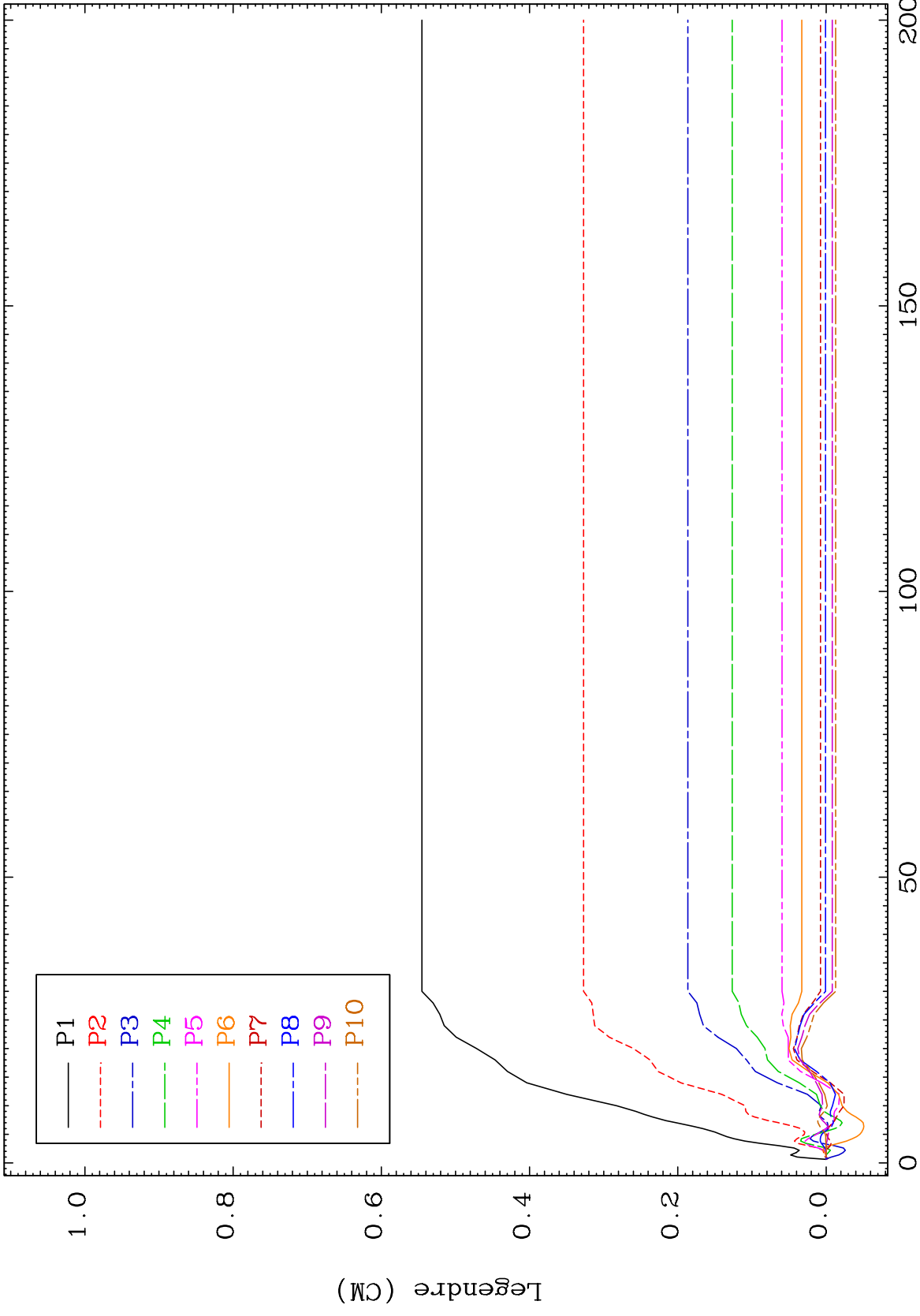
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195



46

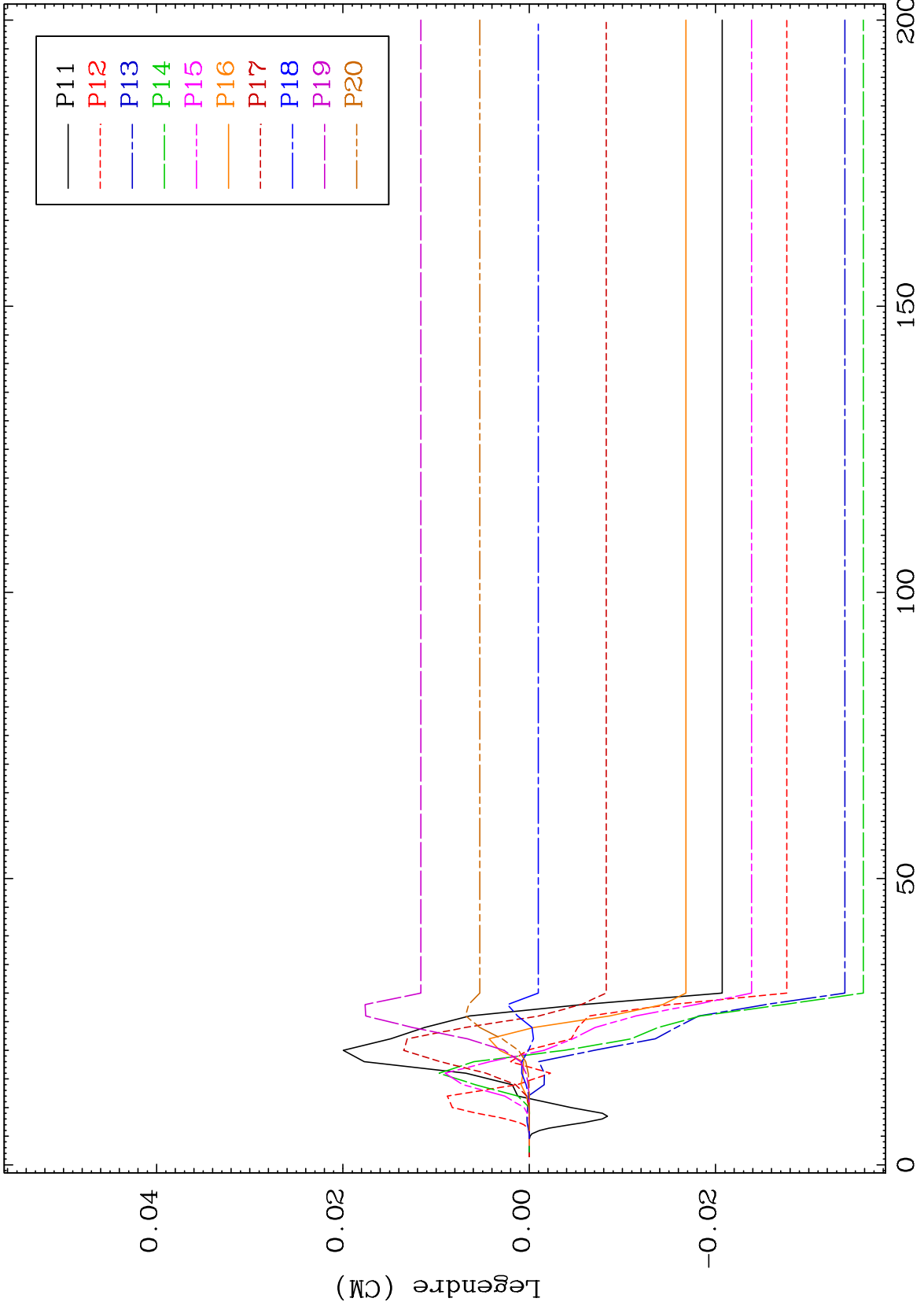
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195



47

Incident Energy (MeV)

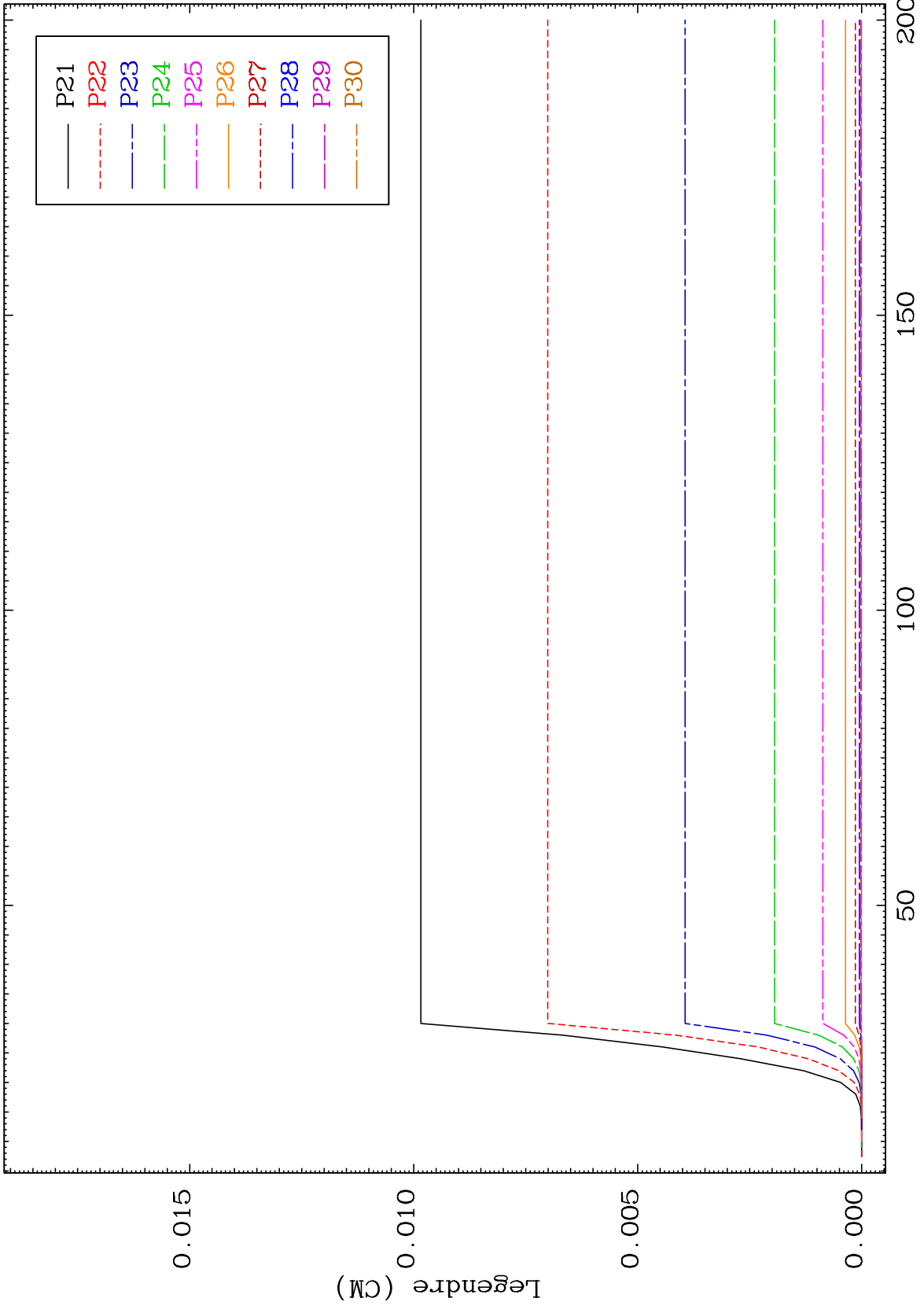
80-Hg-195



MAT 8022

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

80-Hg-195

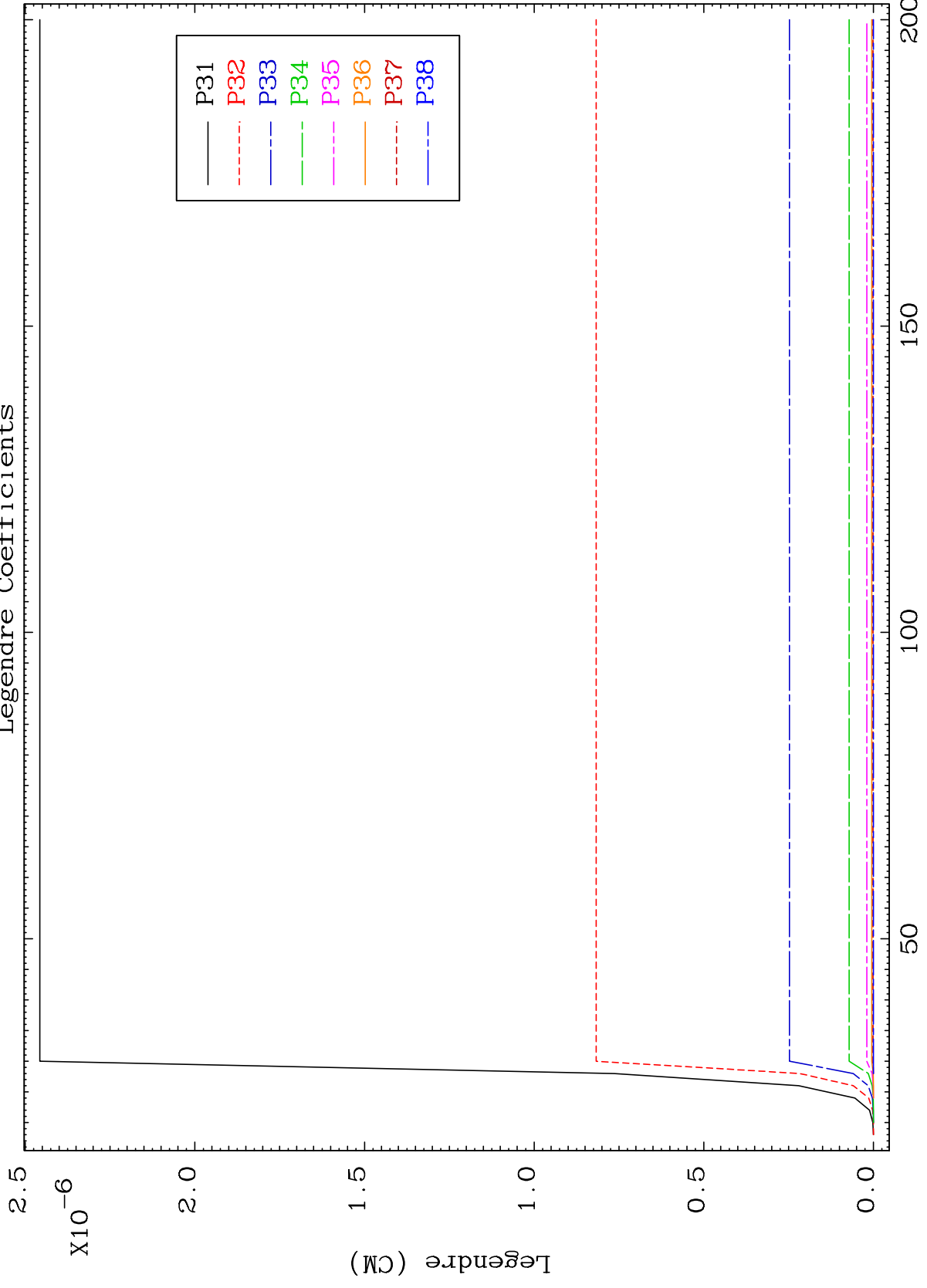


48

Incident Energy (MeV)

80-Hg-195

MAT 8022 MT= 60 (n,n') Level Legendre Coefficients 80-Hg-195

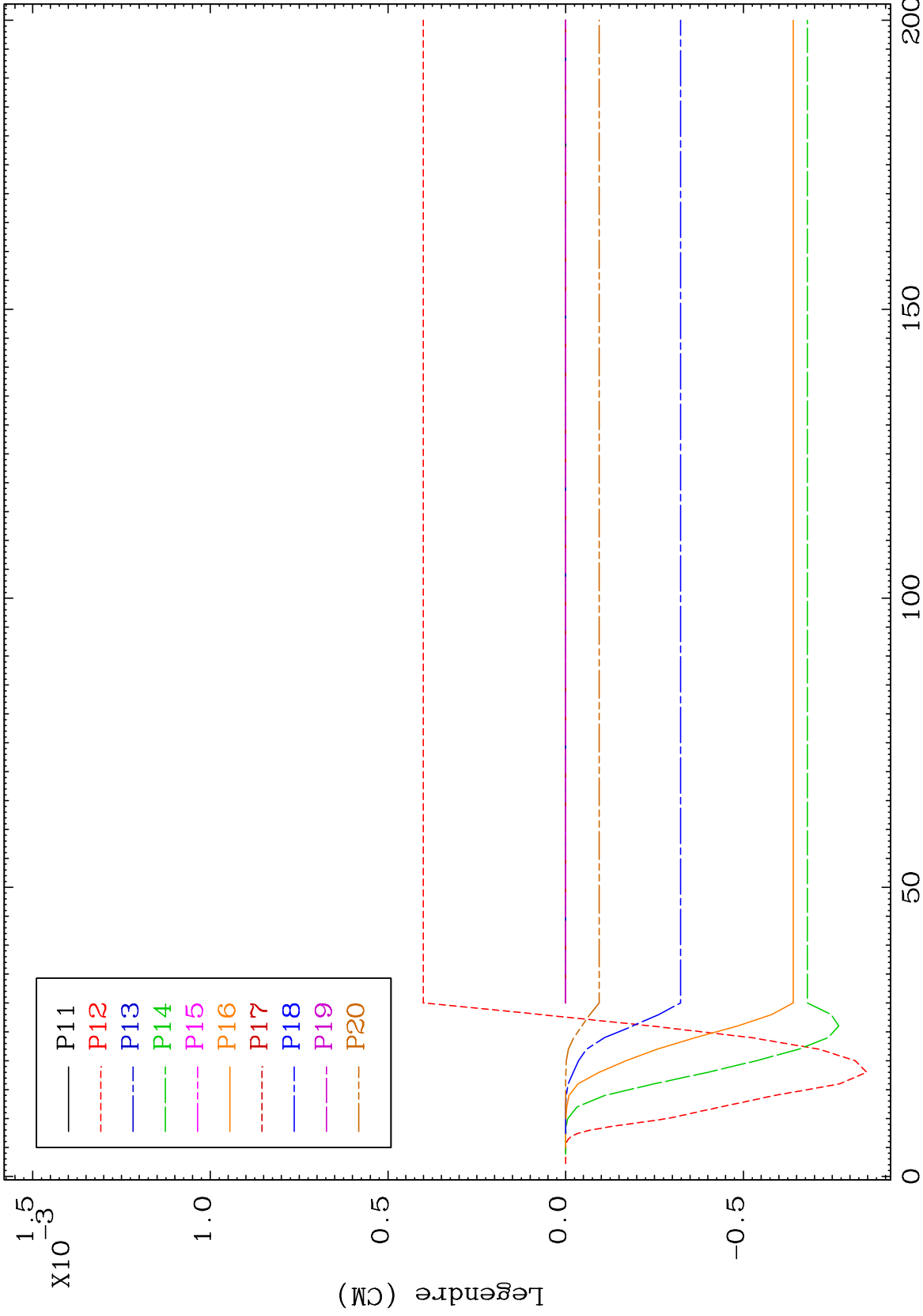




MAT 8022

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

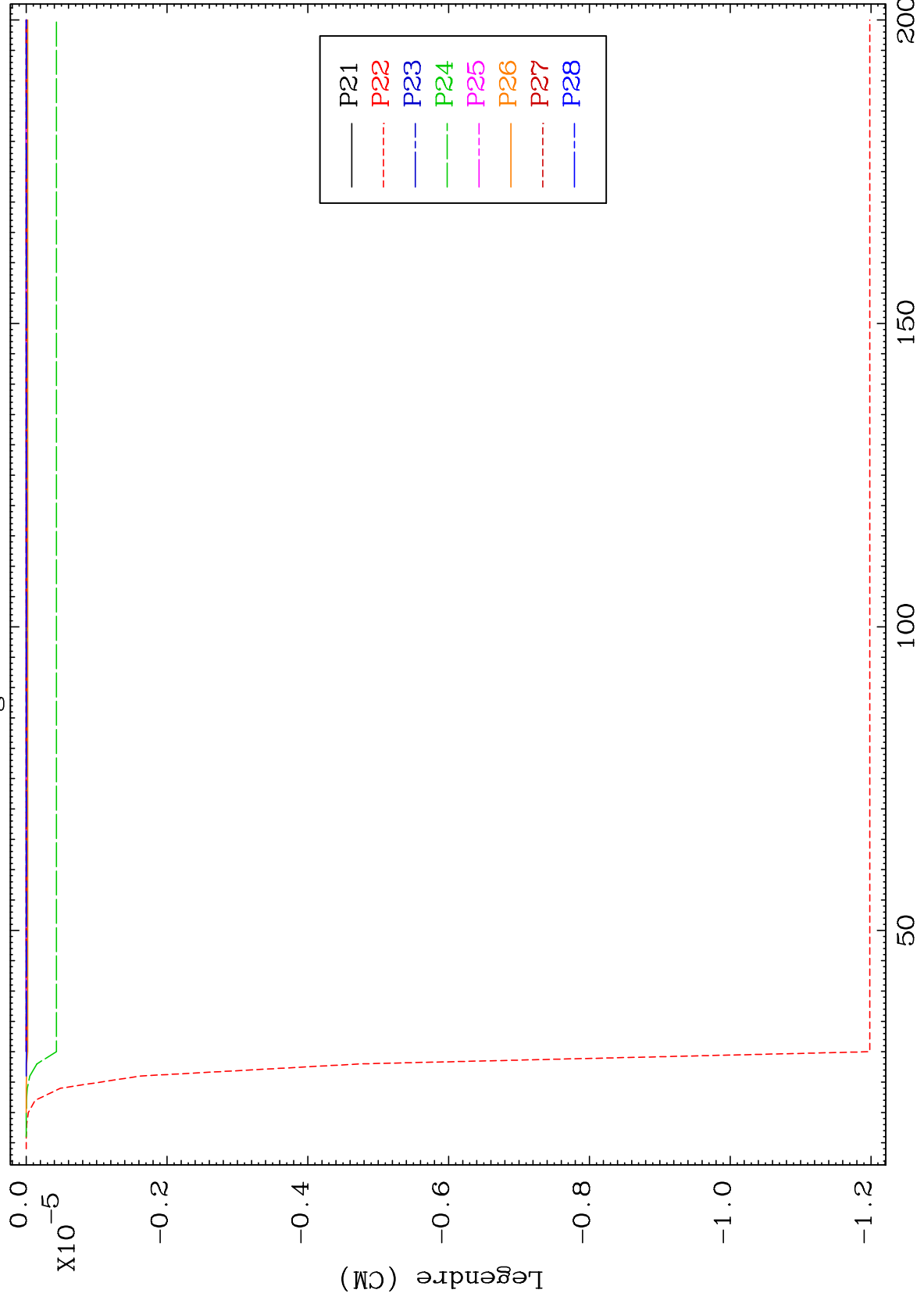
80-Hg-195



51

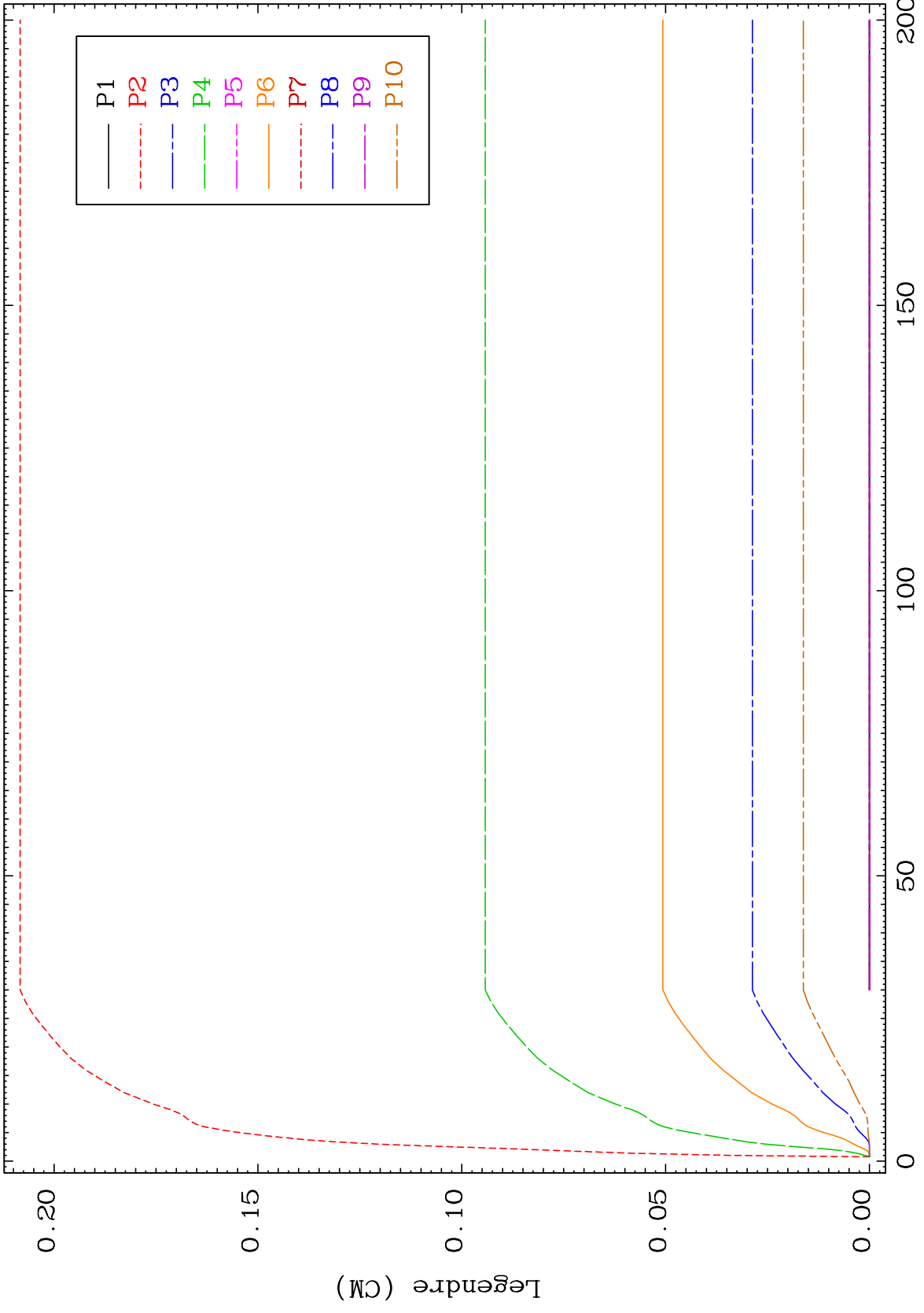
80-Hg-195

MAT 8022 MT= 61 (n,n') Level Legendre Coefficients 80-Hg-195

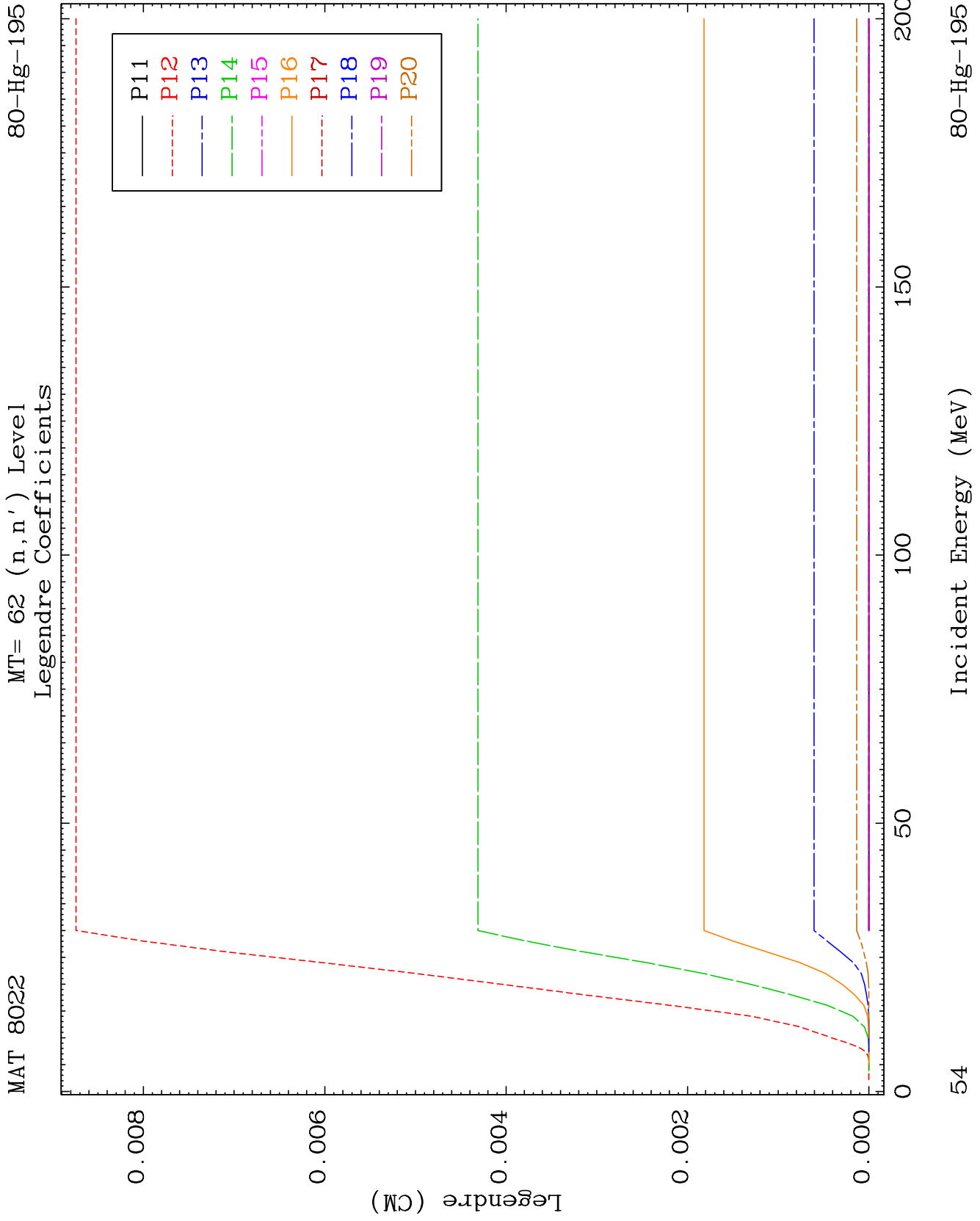


52 Incident Energy (MeV) 80-Hg-195

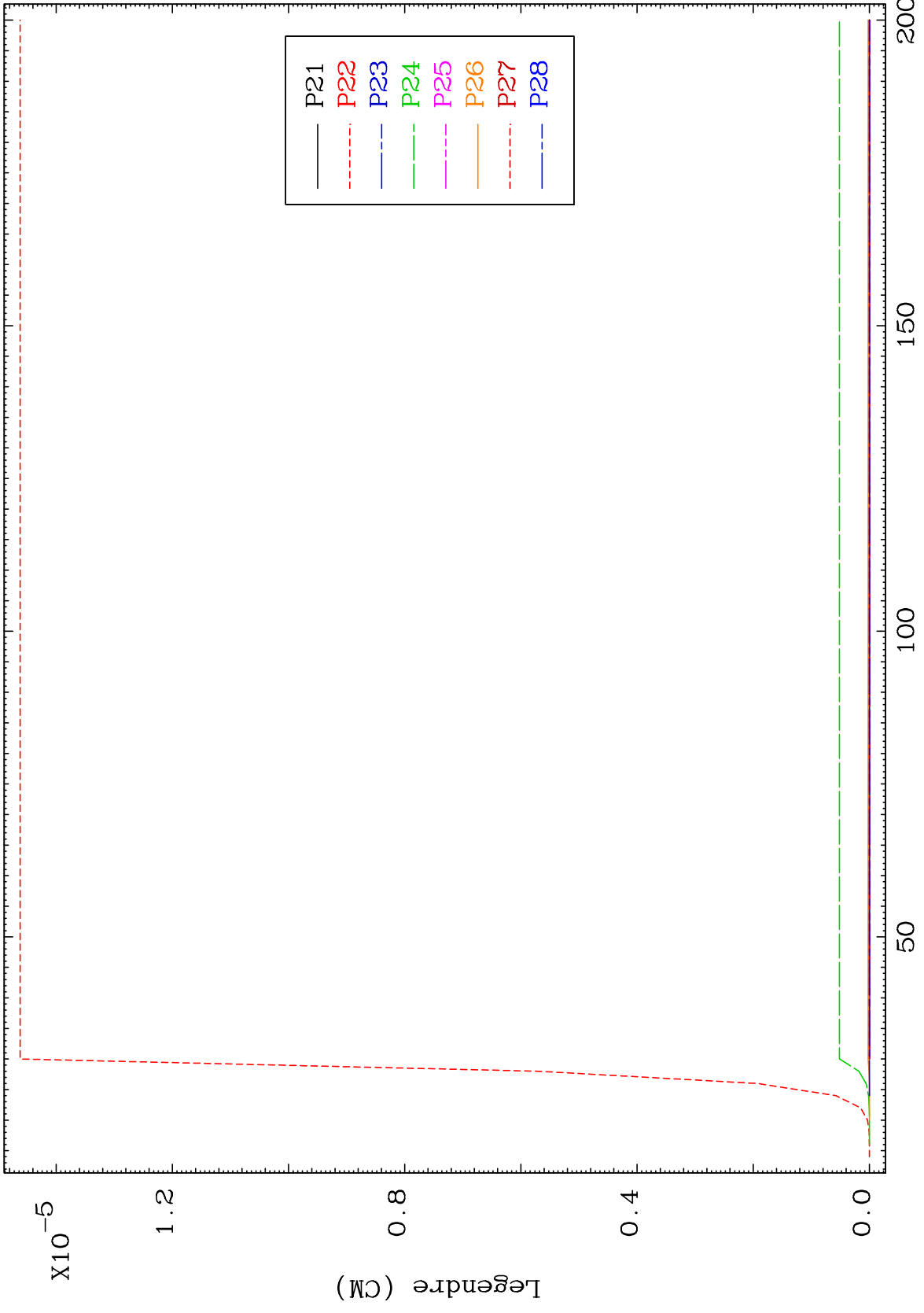
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53 80-Hg-195



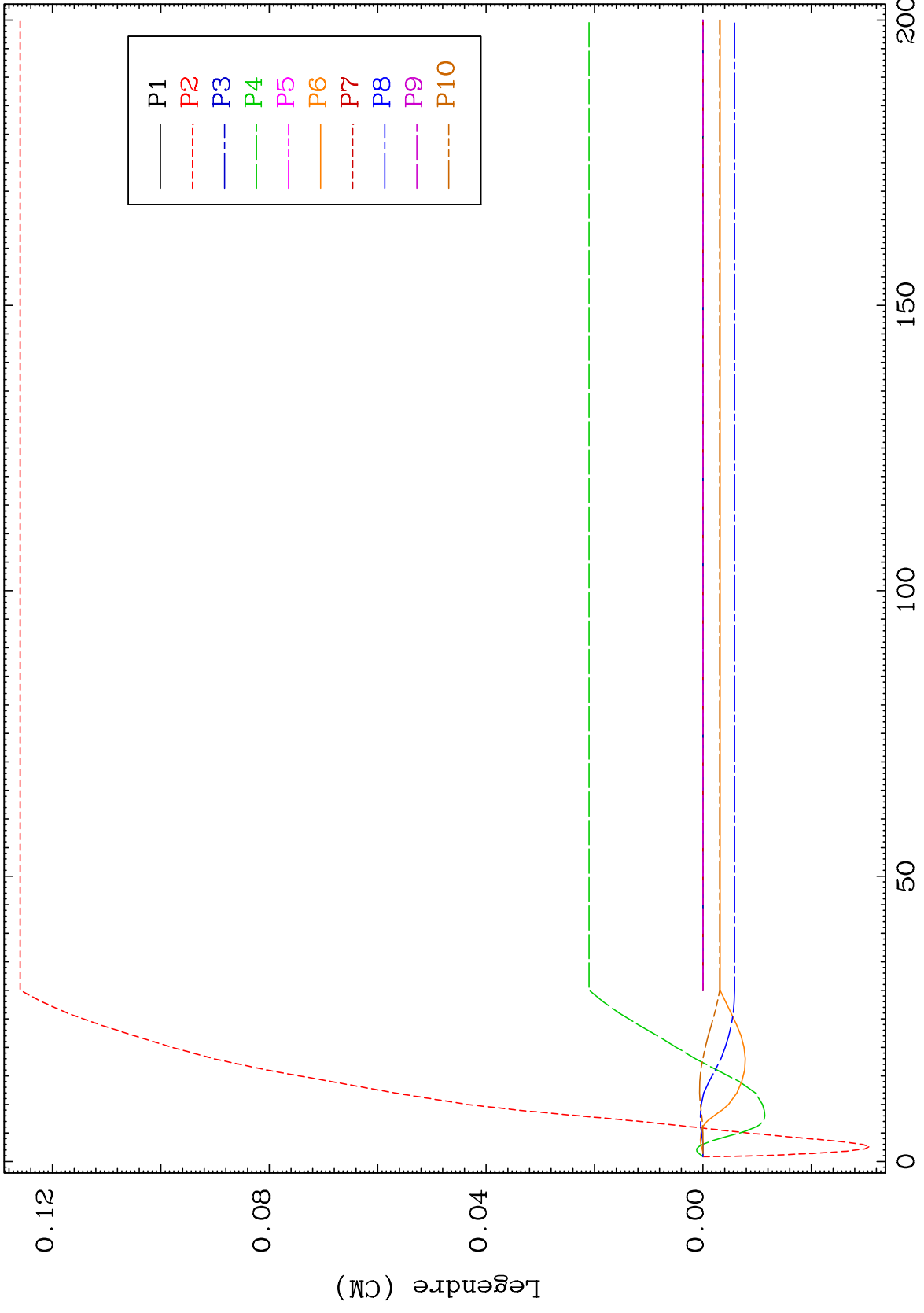
MAT 8022 MT= 62 (n,n') Level Legendre Coefficients 80-Hg-195



80-Hg-195



MAT 8022 MT= 63 (n,n') Level Legendre Coefficients 80-Hg-195

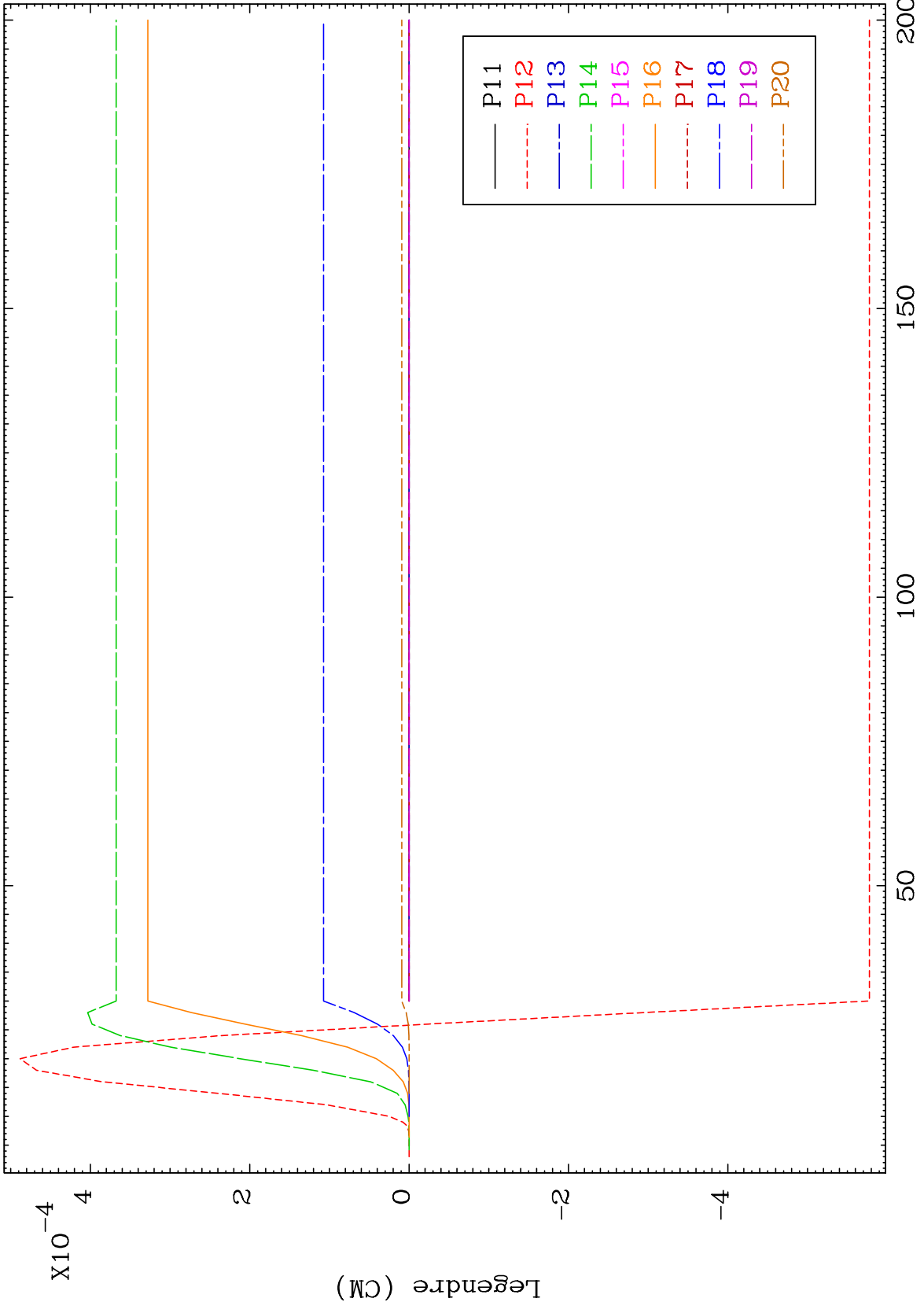


56 80-Hg-195

MAT 8022

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

80-Hg-195

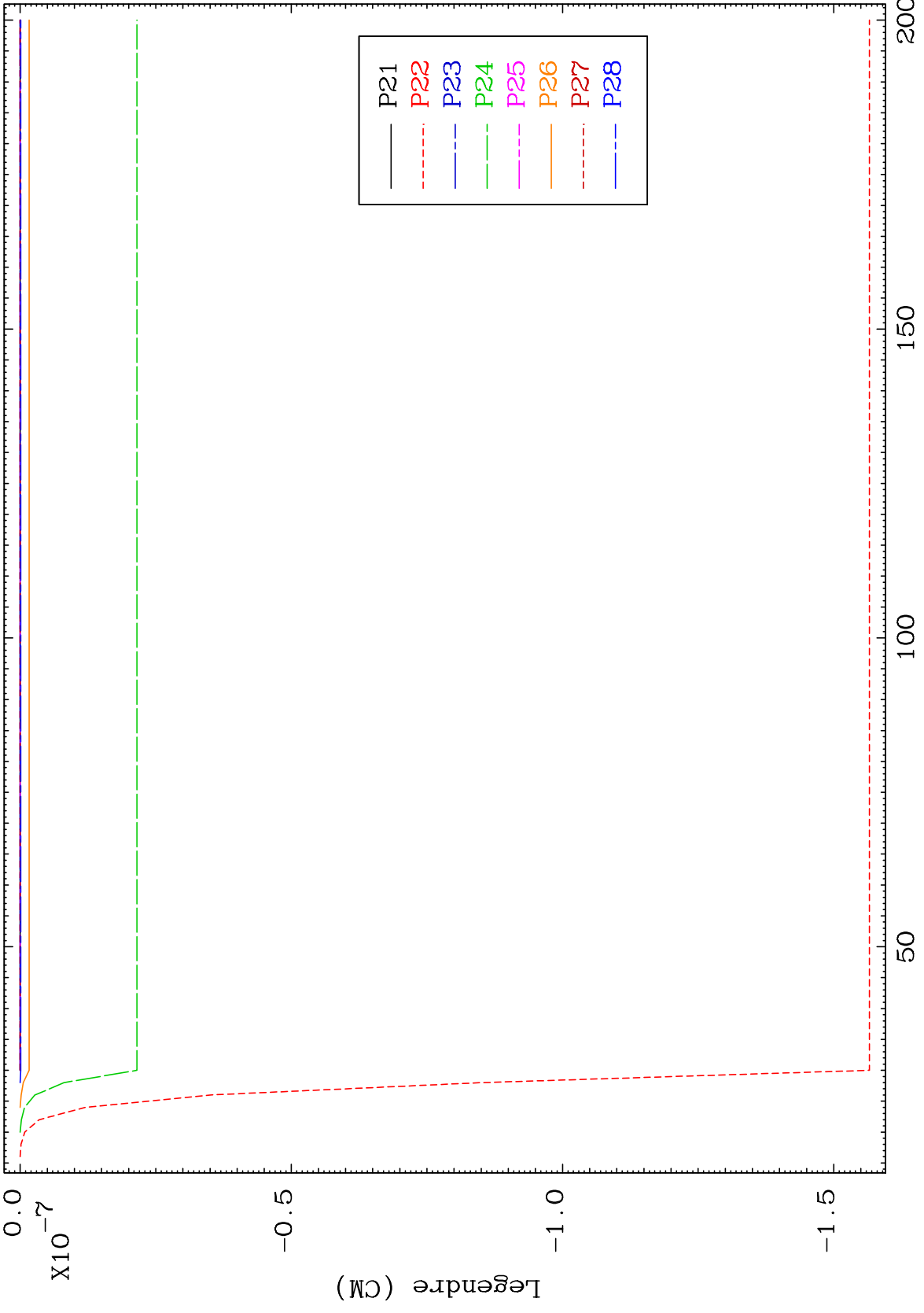


57

Incident Energy (MeV)

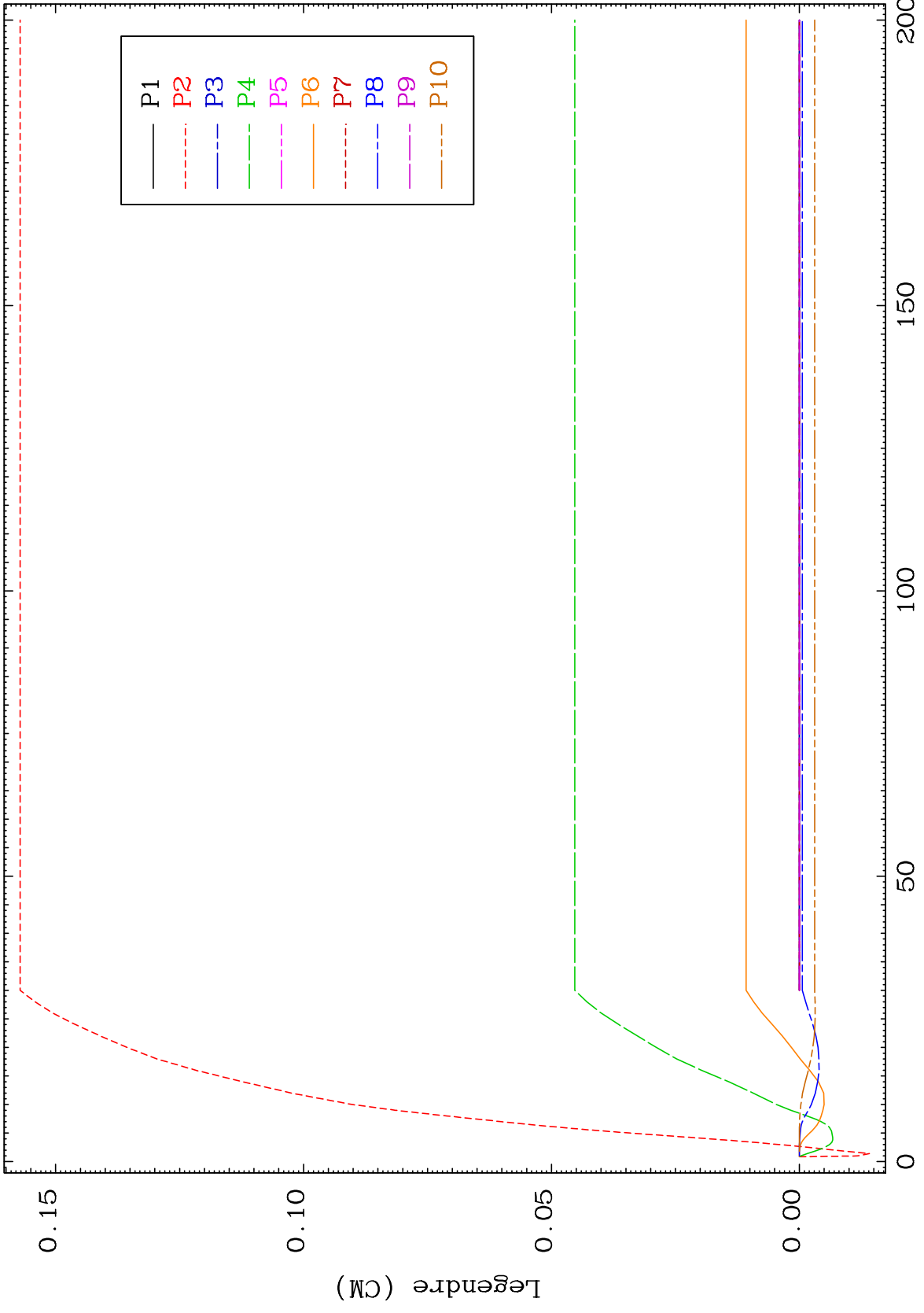
80-Hg-195

MAT 8022 MT= 63 (n,n') Level Legendre Coefficients 80-Hg-195



58 Incident Energy (MeV) 80-Hg-195

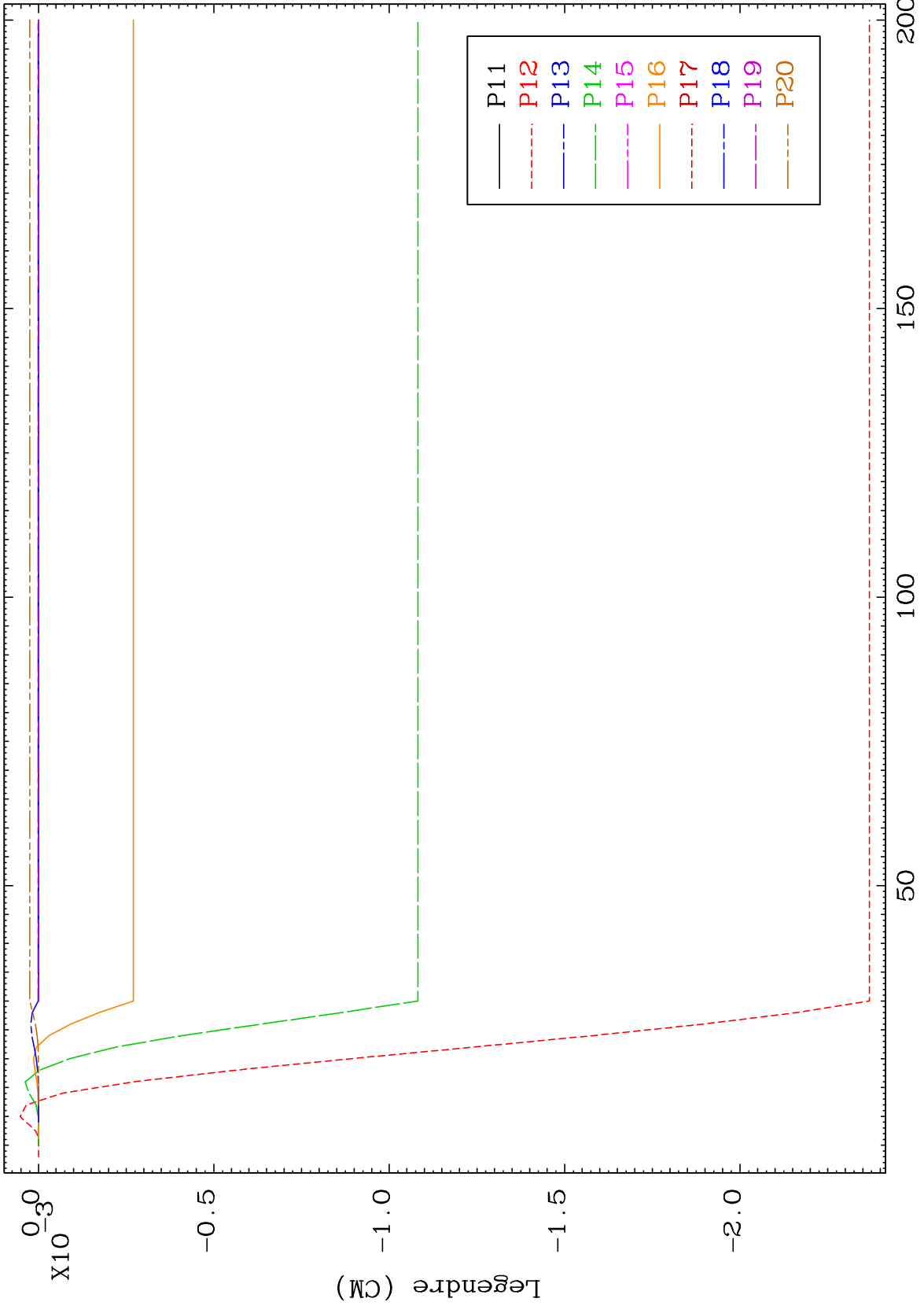
MAT 8022 MT= 64 (n,n') Level Legendre Coefficients 80-Hg-195



59 80-Hg-195

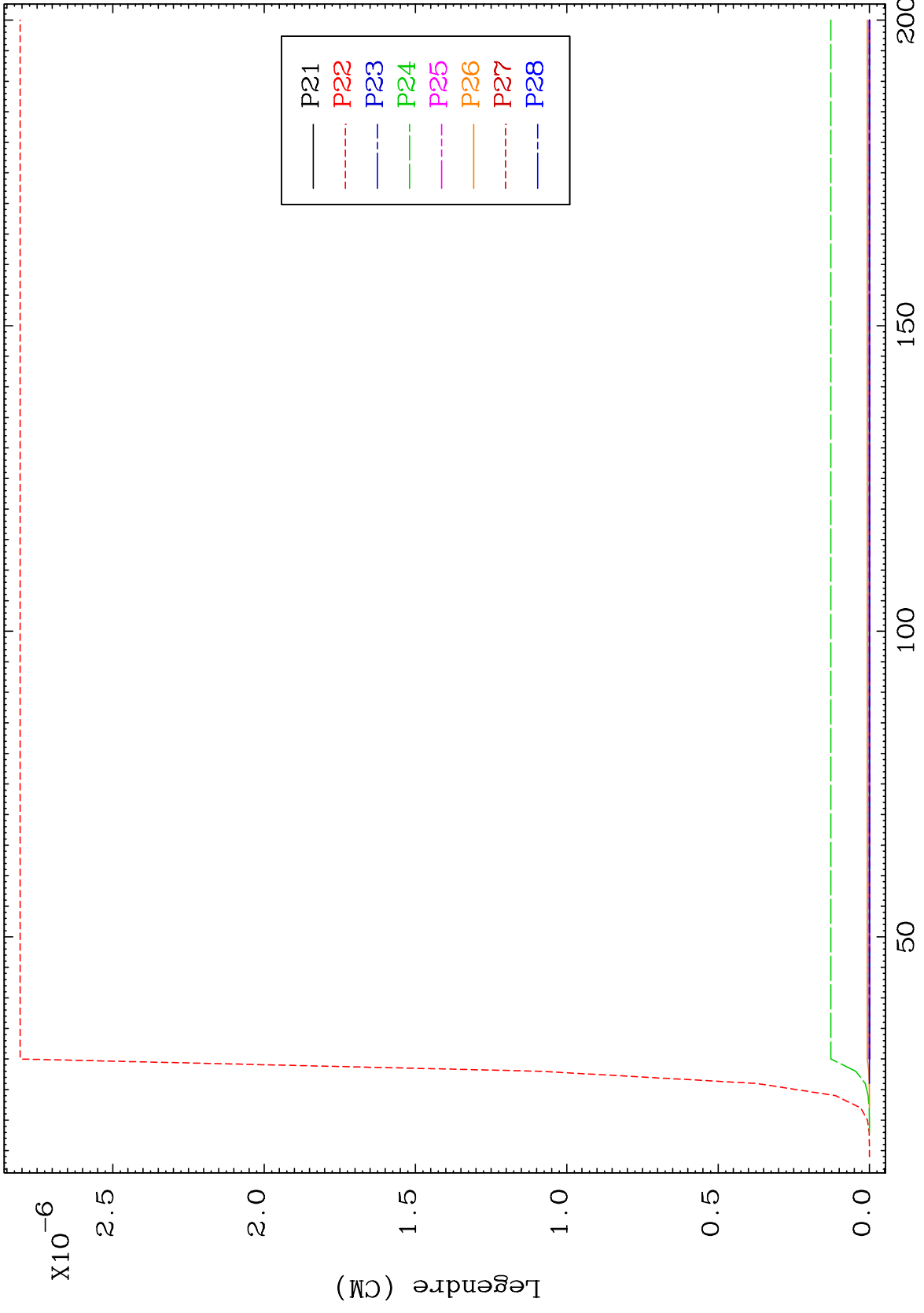
MAT 8022 MT= 64 (n,n') Level 80-Hg-195

Legendre Coefficients



60 80-Hg-195

MAT 8022 MT= 64 (n,n') Level Legendre Coefficients 80-Hg-195

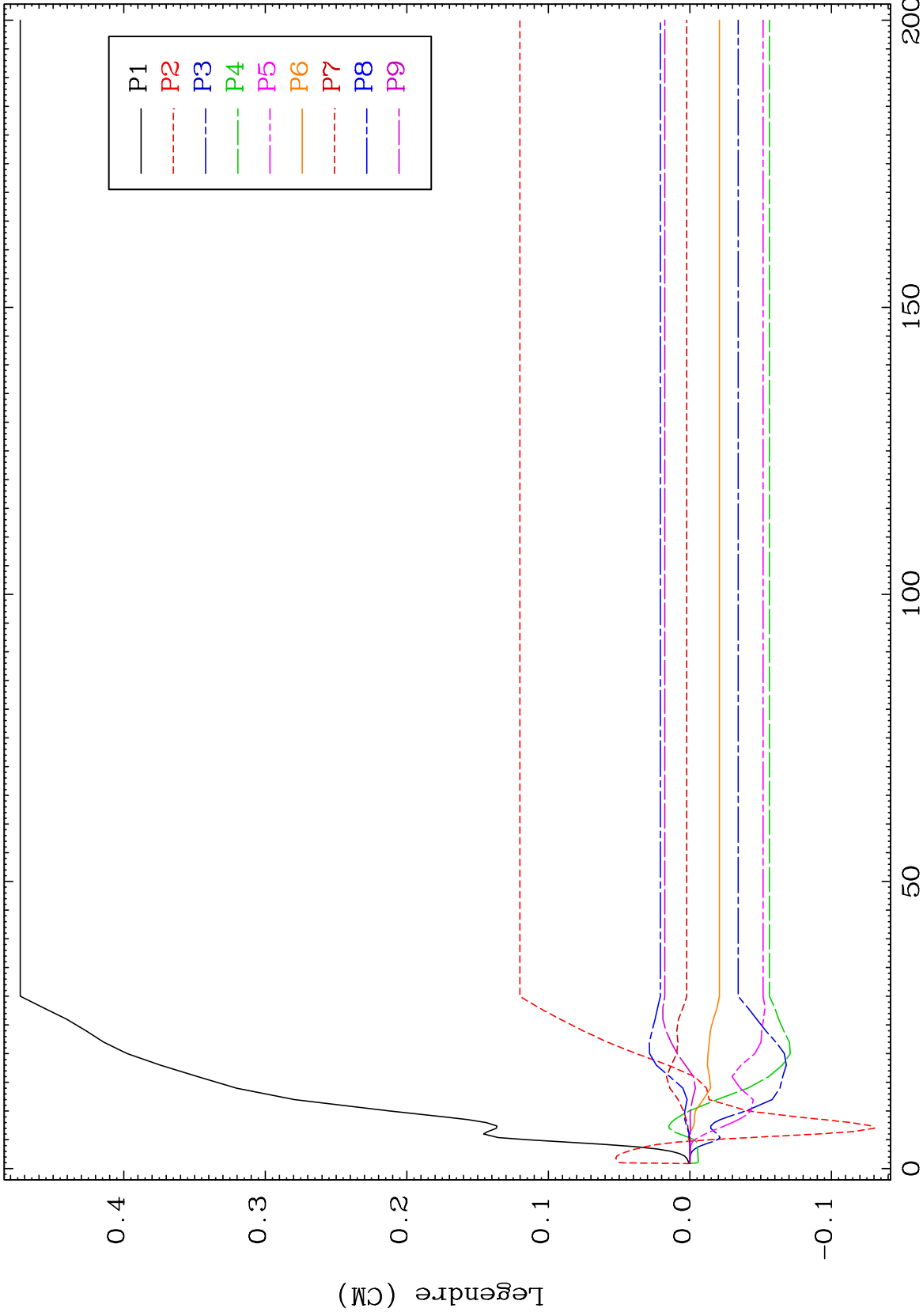


61 80-Hg-195

MAT 8022

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

80-Hg-195



62

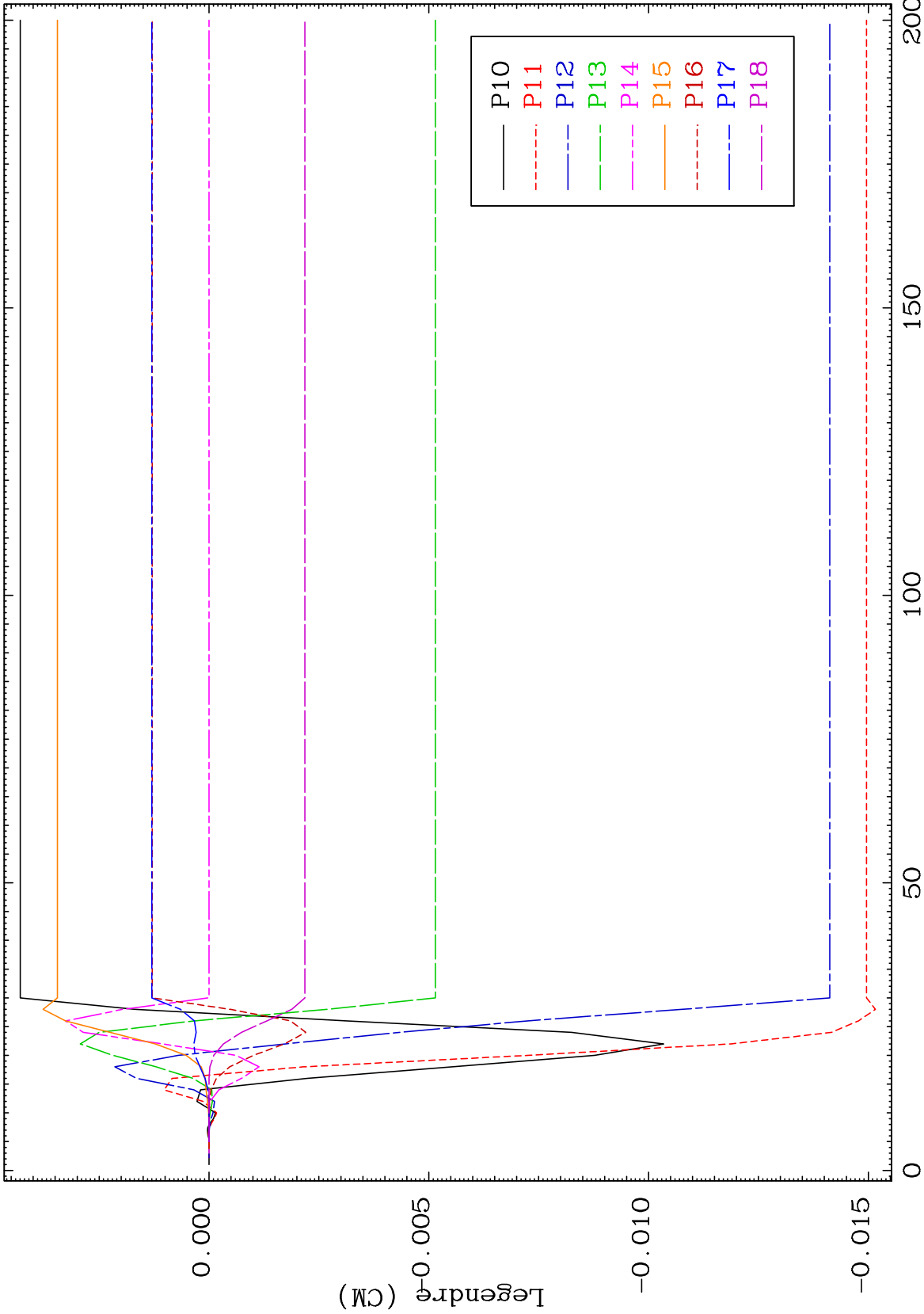
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195



63

Incident Energy (MeV)

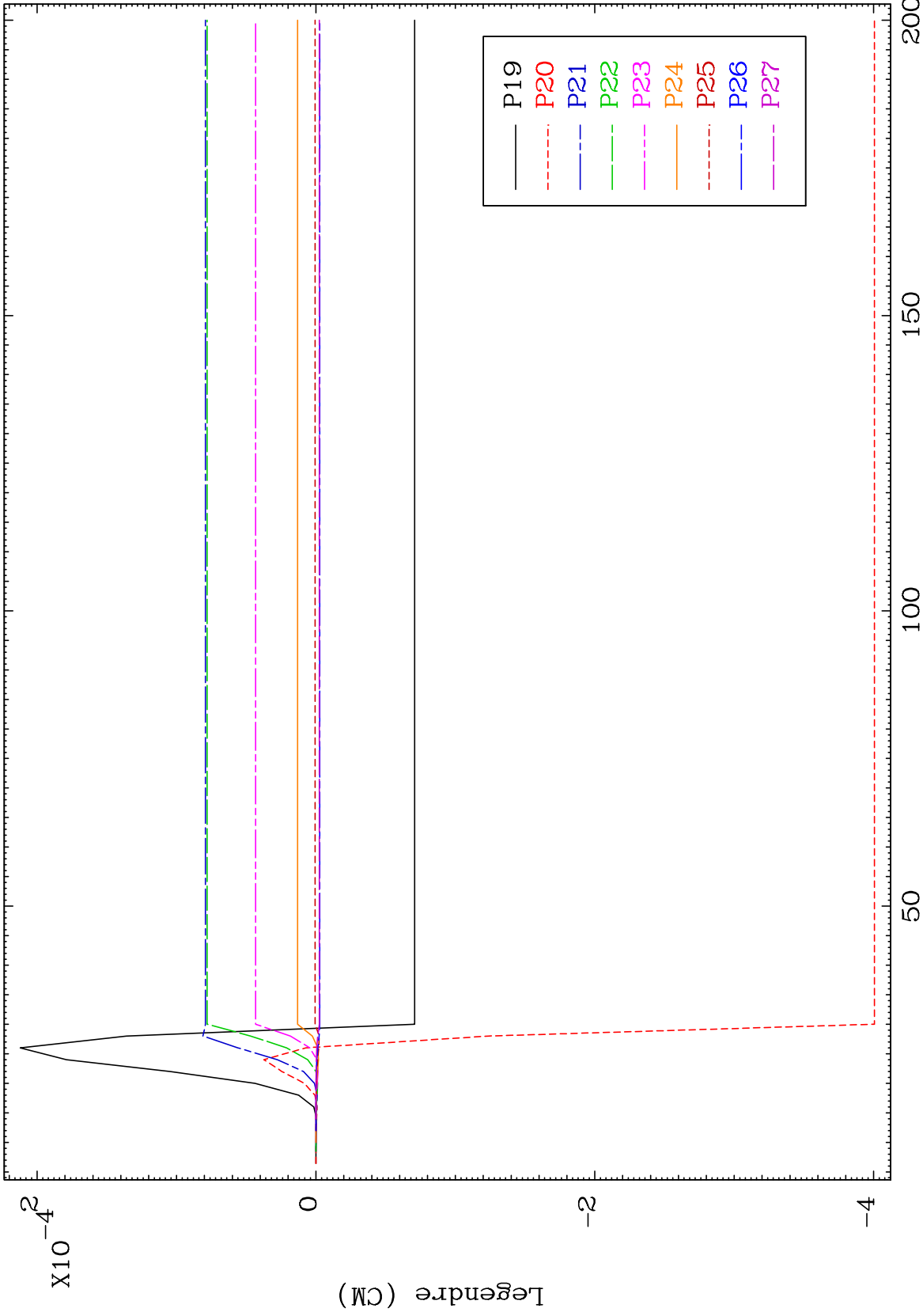
80-Hg-195



MAT 8022

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

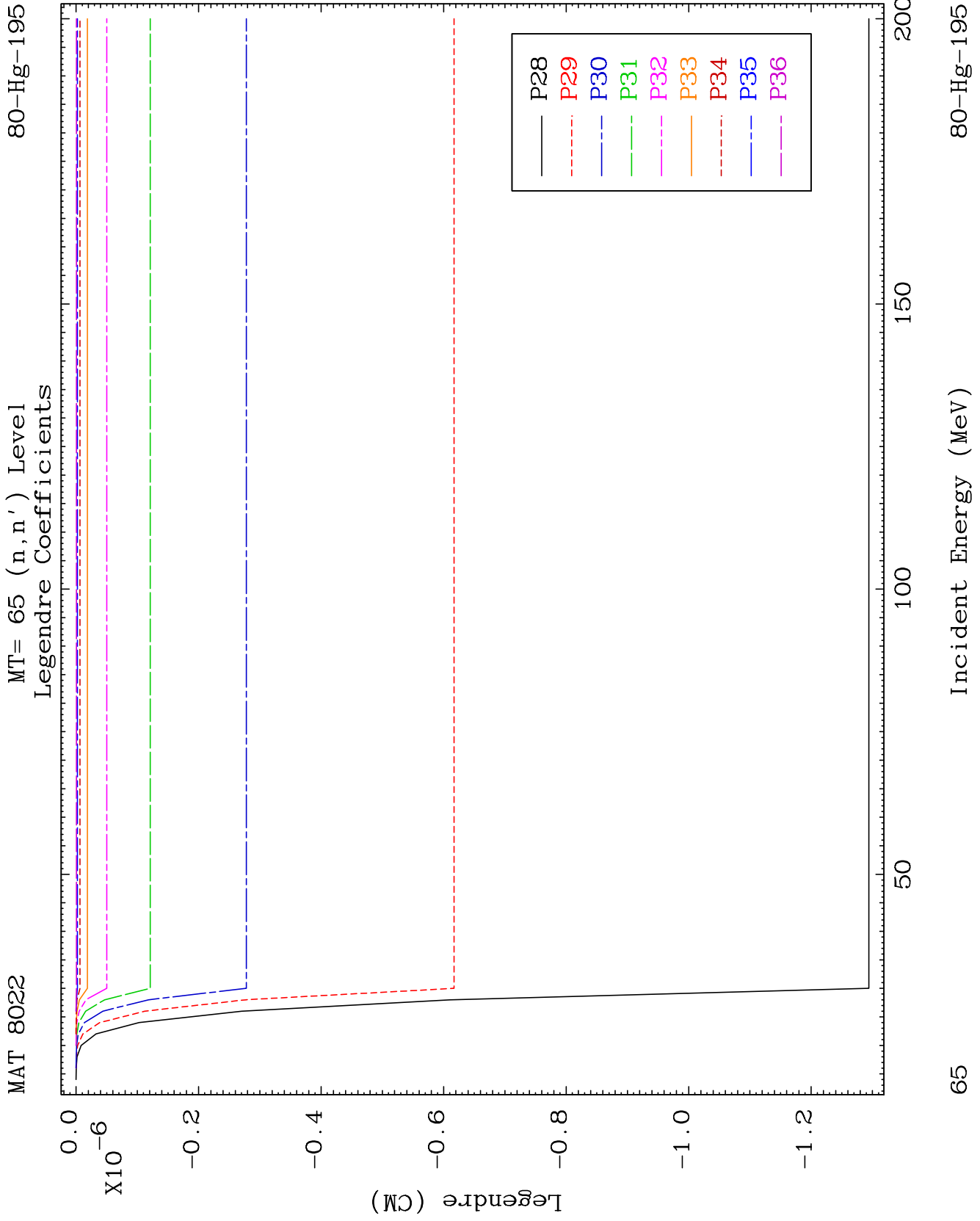
80-Hg-195

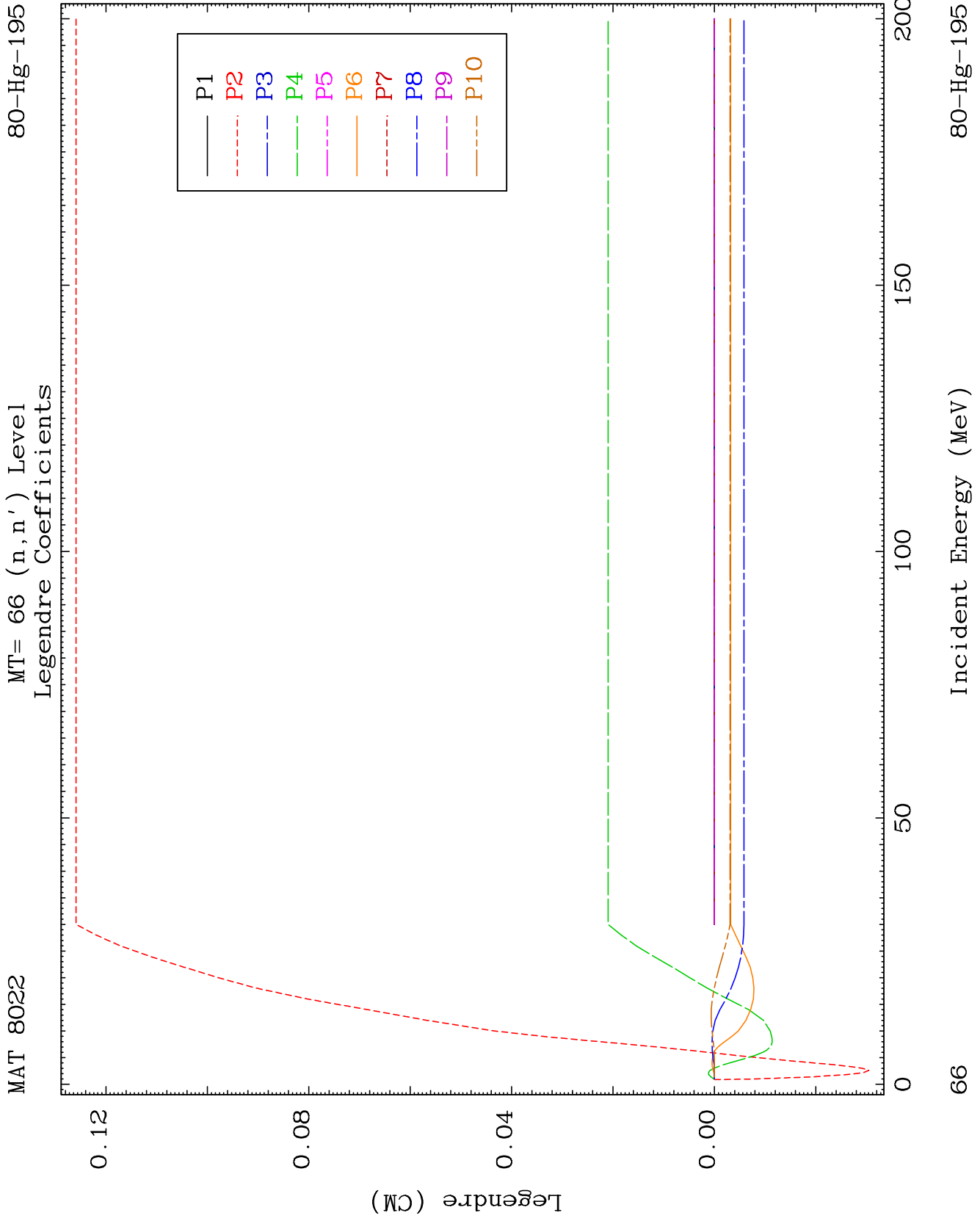


64

Incident Energy (MeV)

80-Hg-195

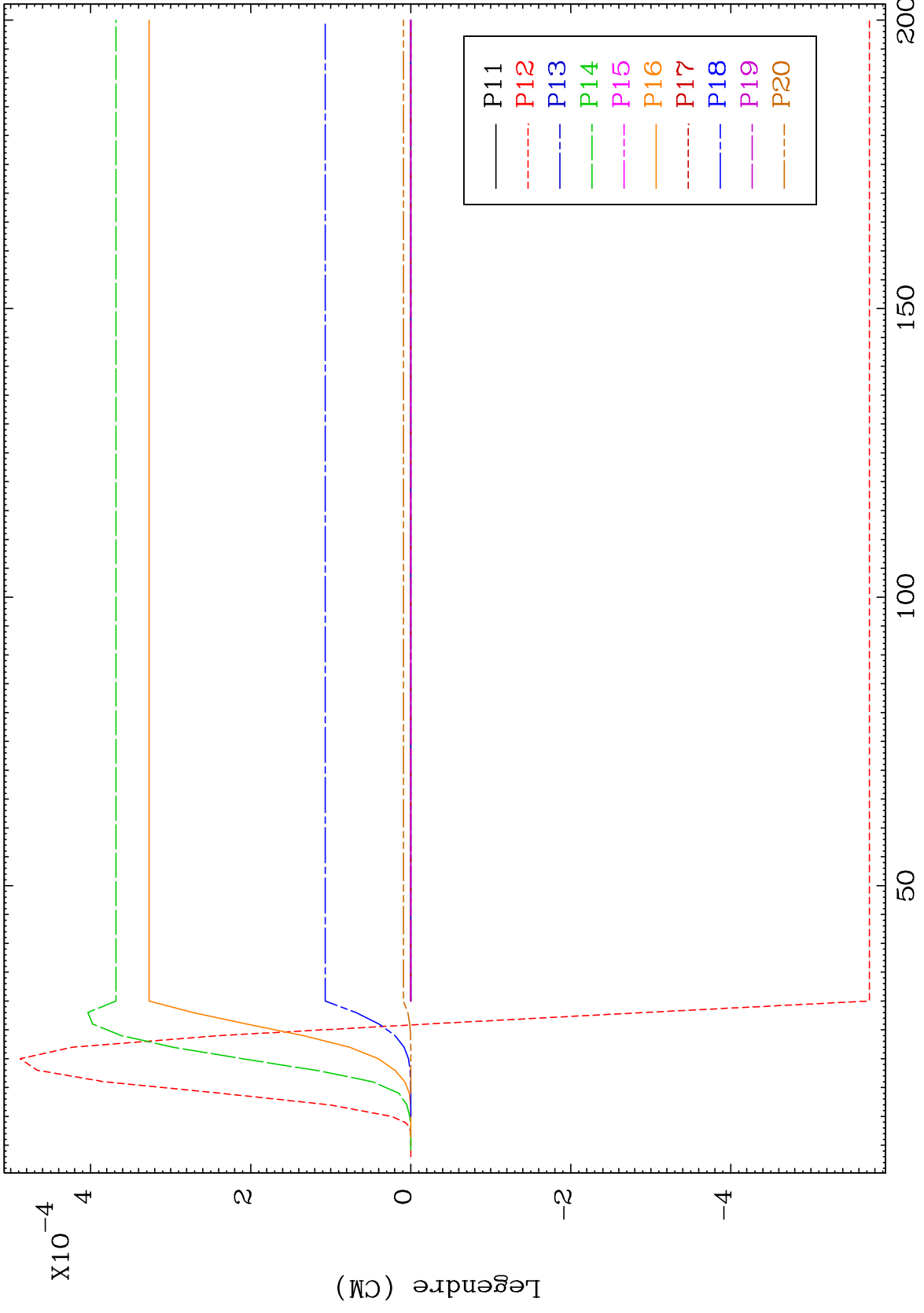




MAT 8022

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

80-Hg-195

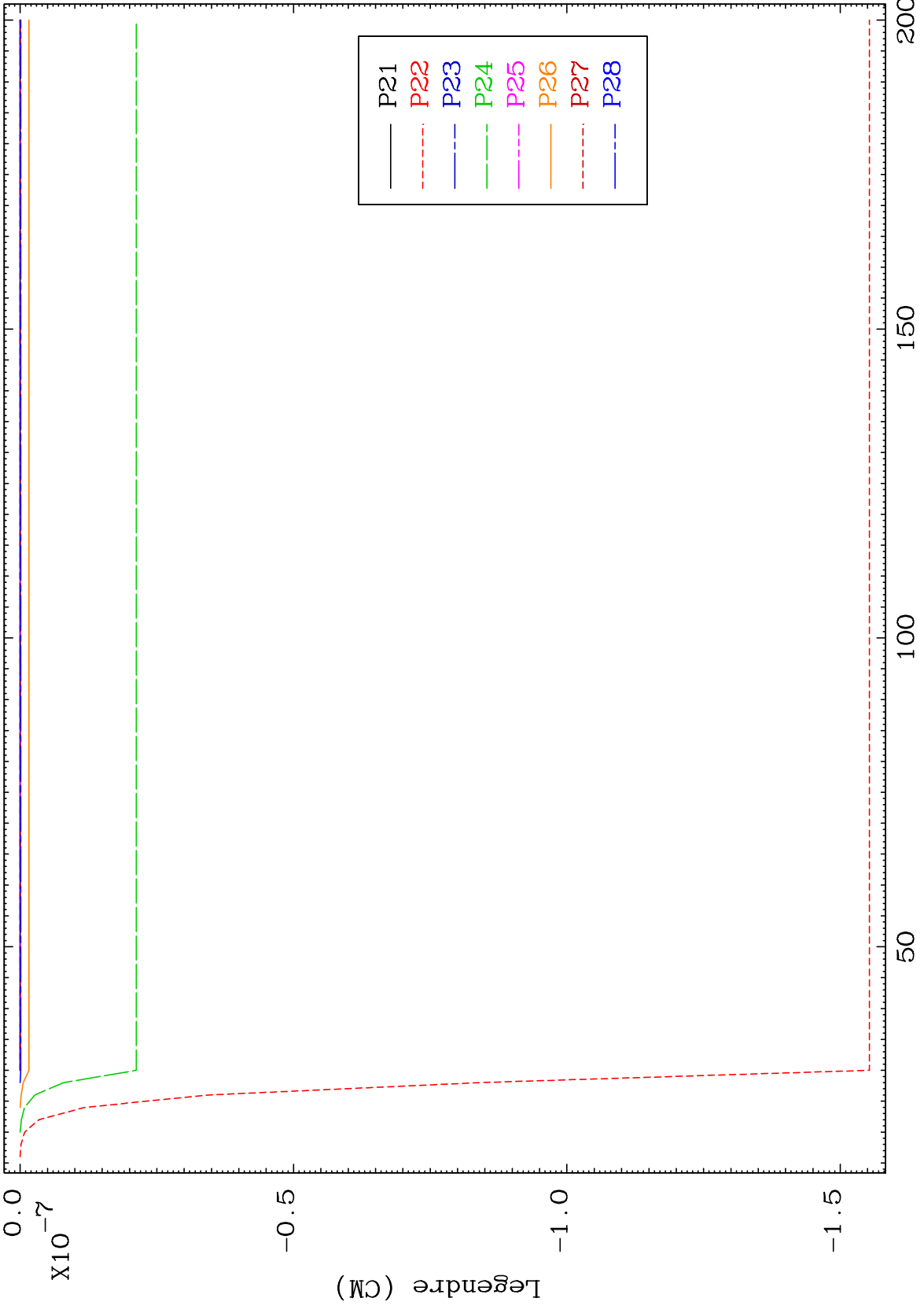


67

Incident Energy (MeV)

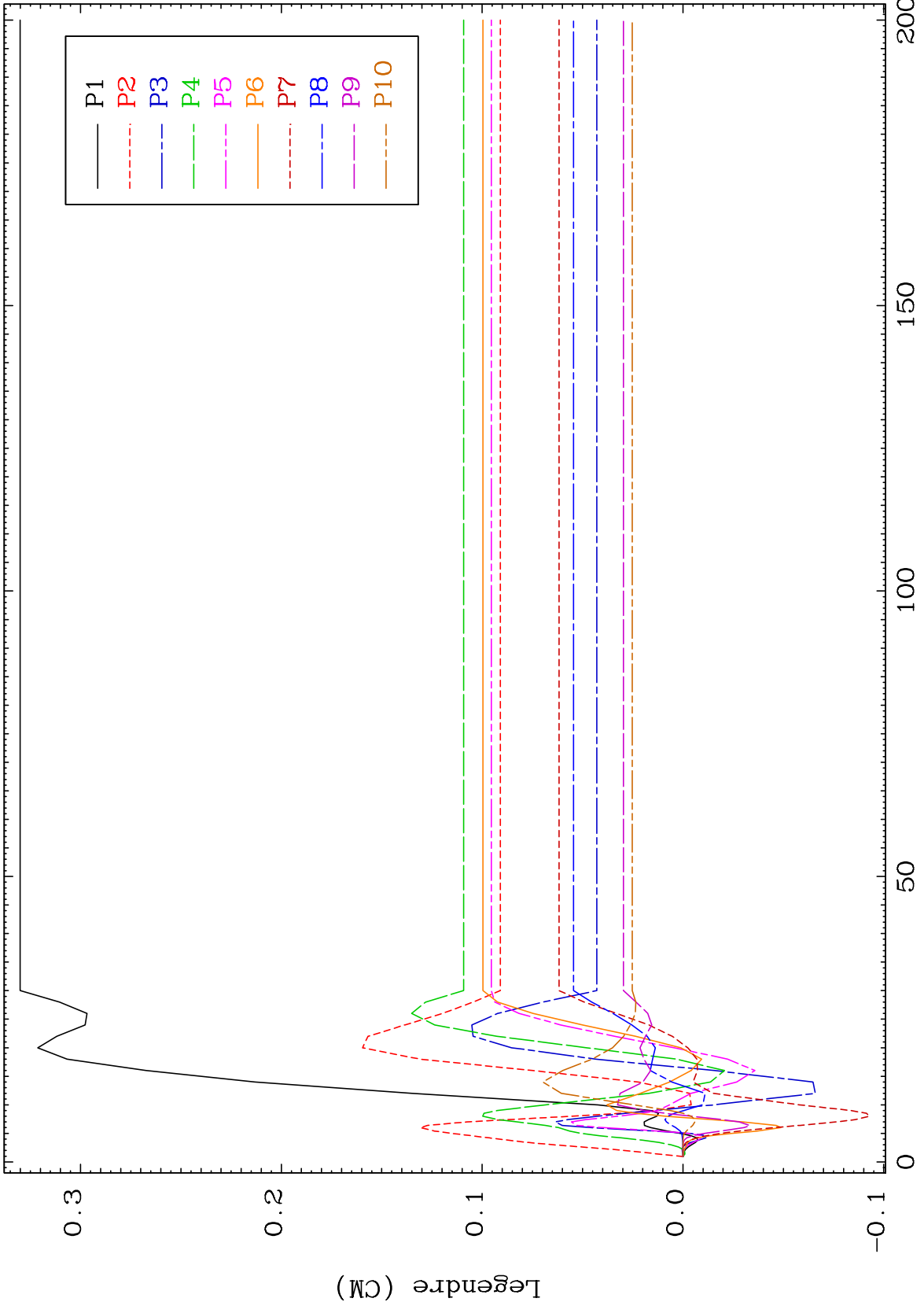
80-Hg-195

MAT 8022 MT= 66 (n,n') Level Legendre Coefficients 80-Hg-195



68 80-Hg-195

MAT 8022 MT= 67 (n,n') Level Legendre Coefficients 80-Hg-195

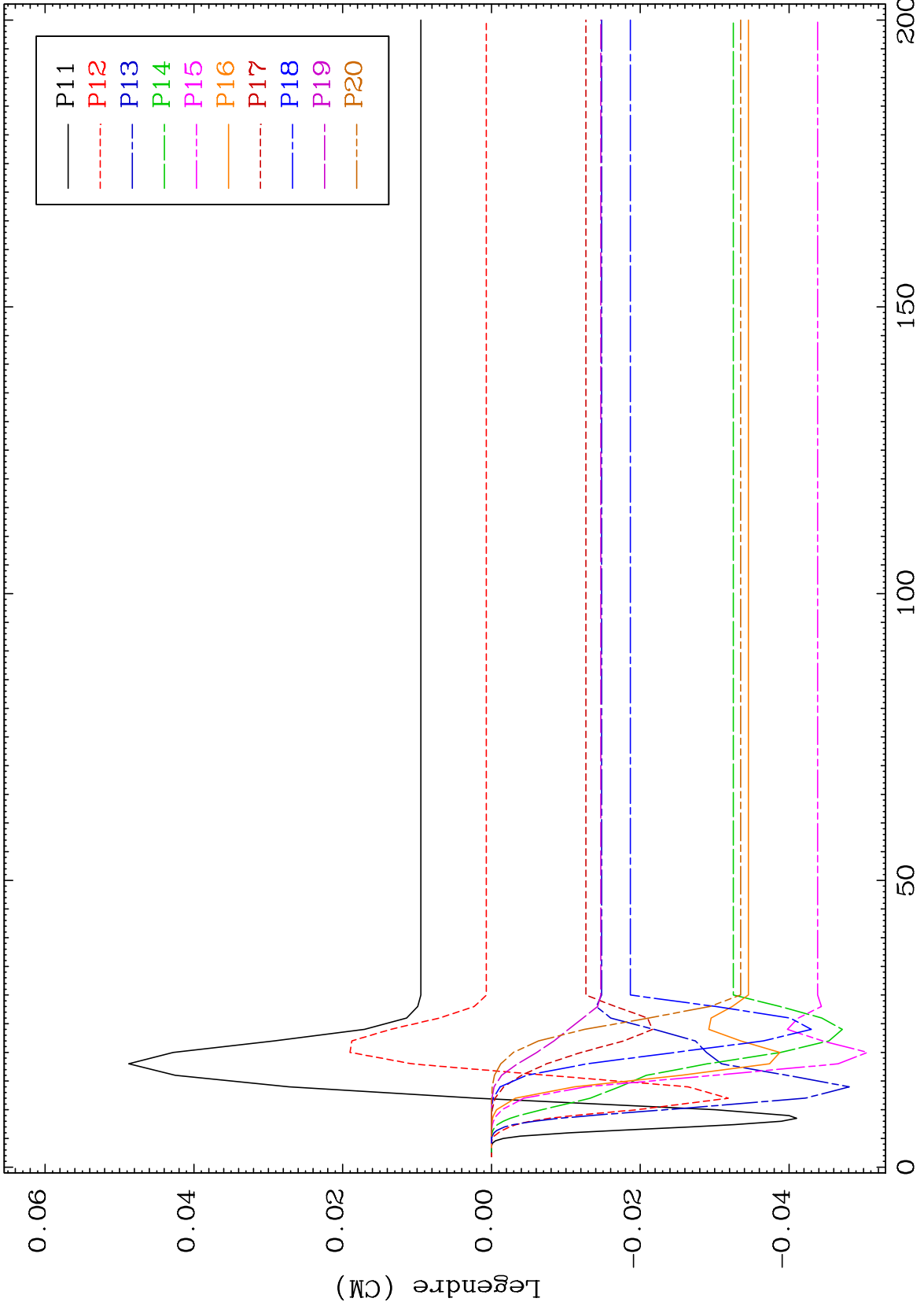


Legendre (CM) Incident Energy (MeV) 69 80-Hg-195

MAT 8022

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

80-Hg-195



0

-0.04

-0.02

0.00

0.02

0.04

0.06

0

50

100

150

200

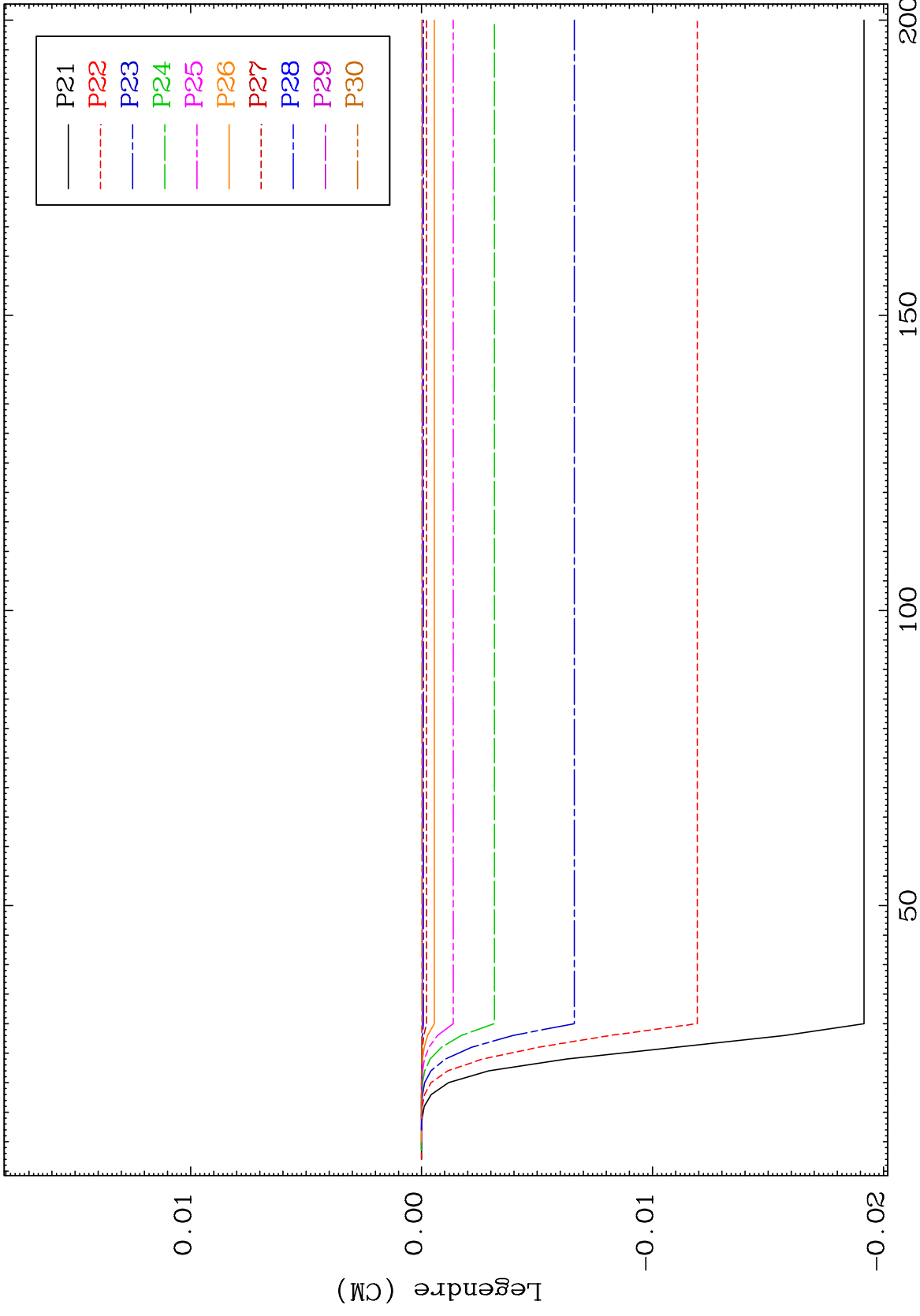
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195



71

Incident Energy (MeV)

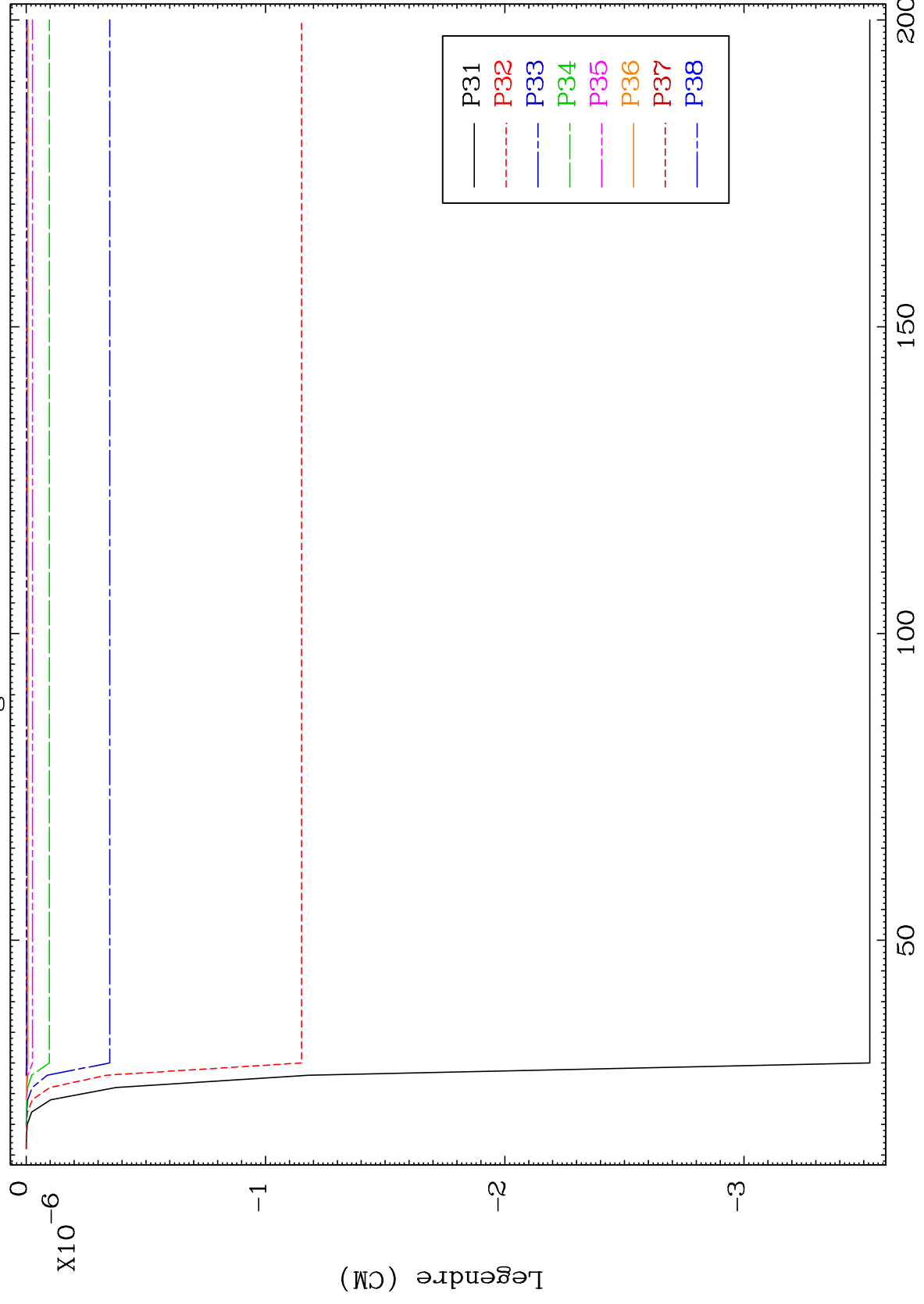
80-Hg-195



MAT 8022

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

80-Hg-195



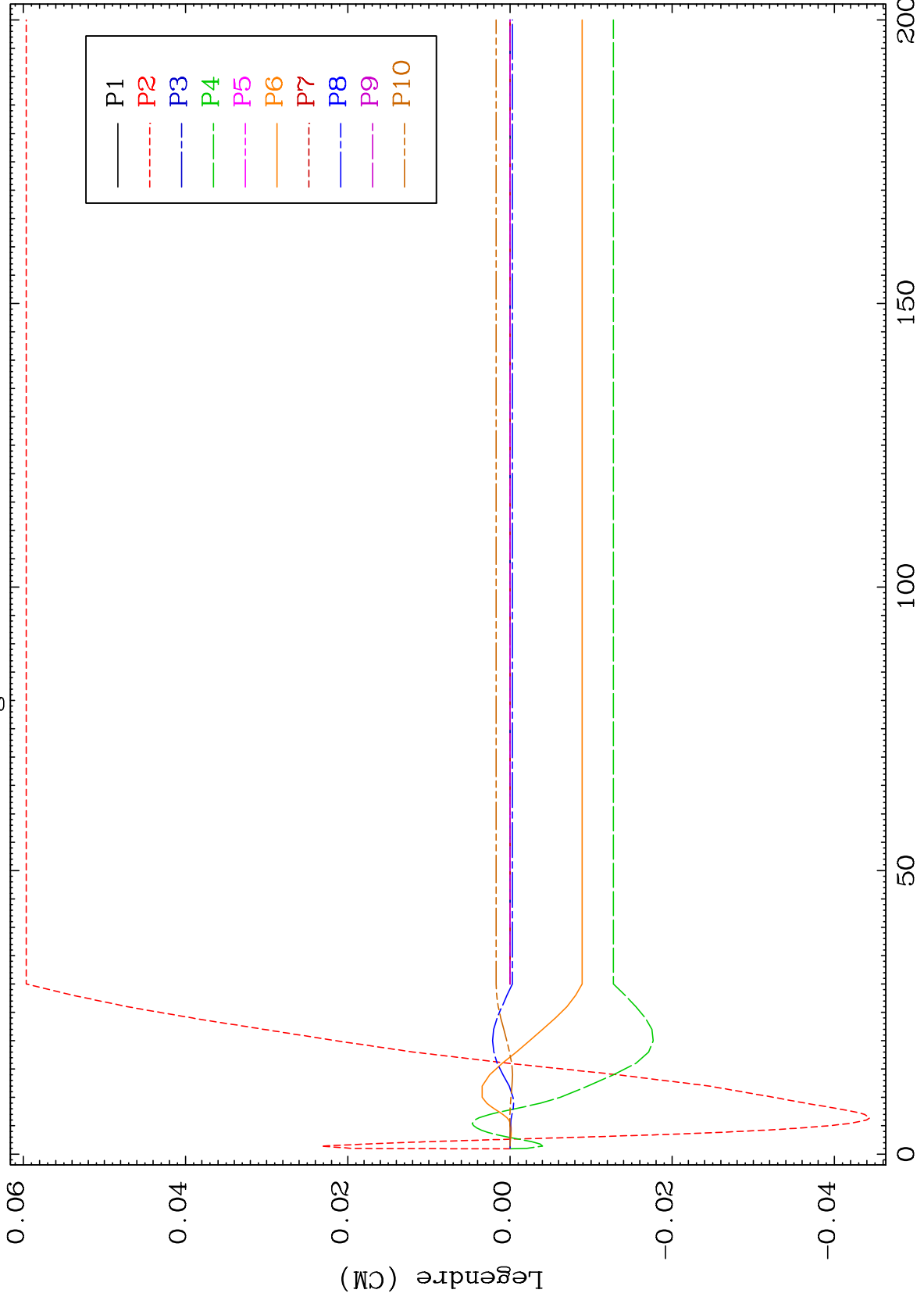
80-Hg-195

Incident Energy (MeV)

72

MAT 8022 MT= 68 (n, n') Level Legendre Coefficients

80-Hg-195

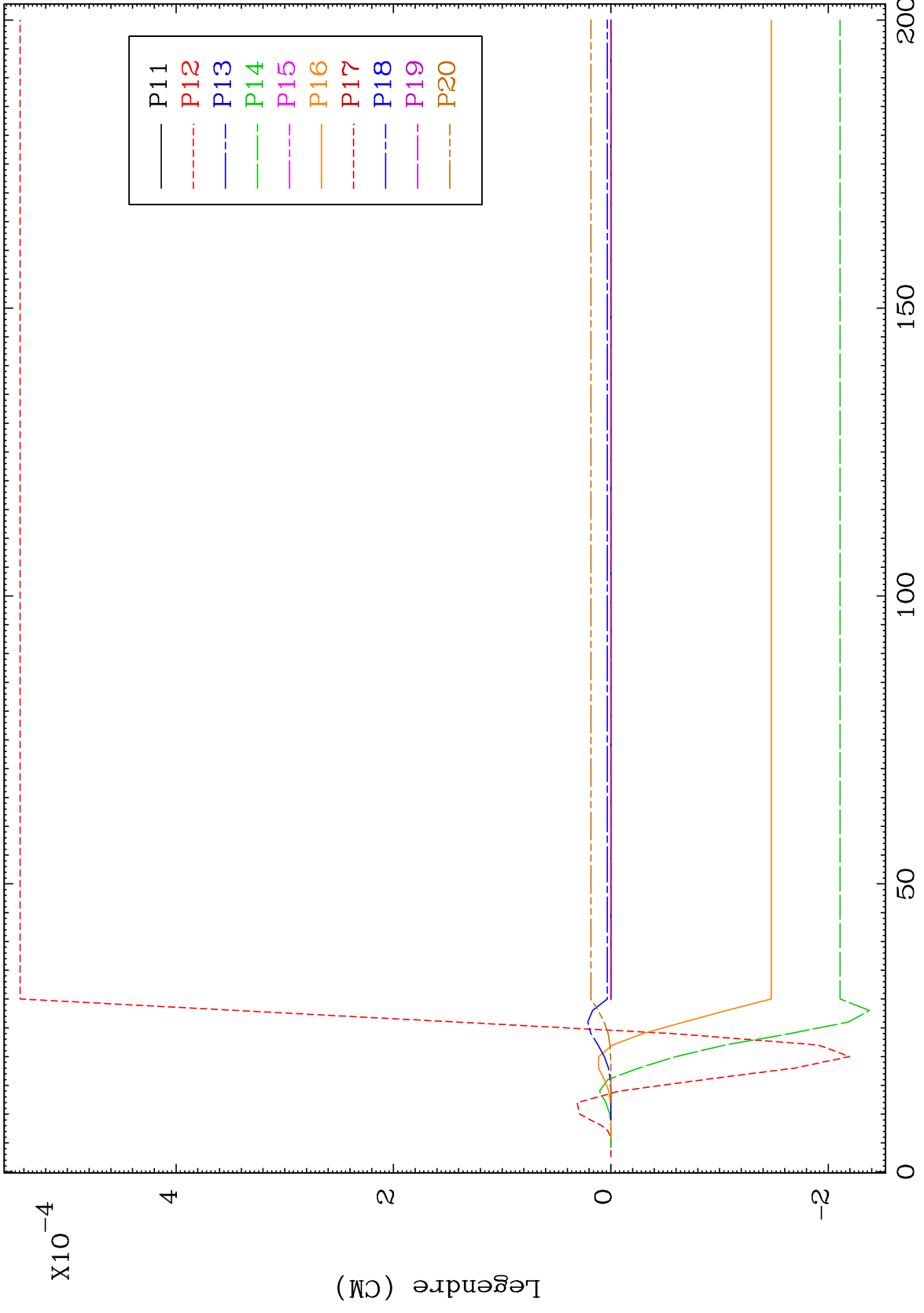


73

Incident Energy (MeV)

80-Hg-195

MAT 8022 MT= 68 (n,n') Level Legendre Coefficients 80-Hg-195

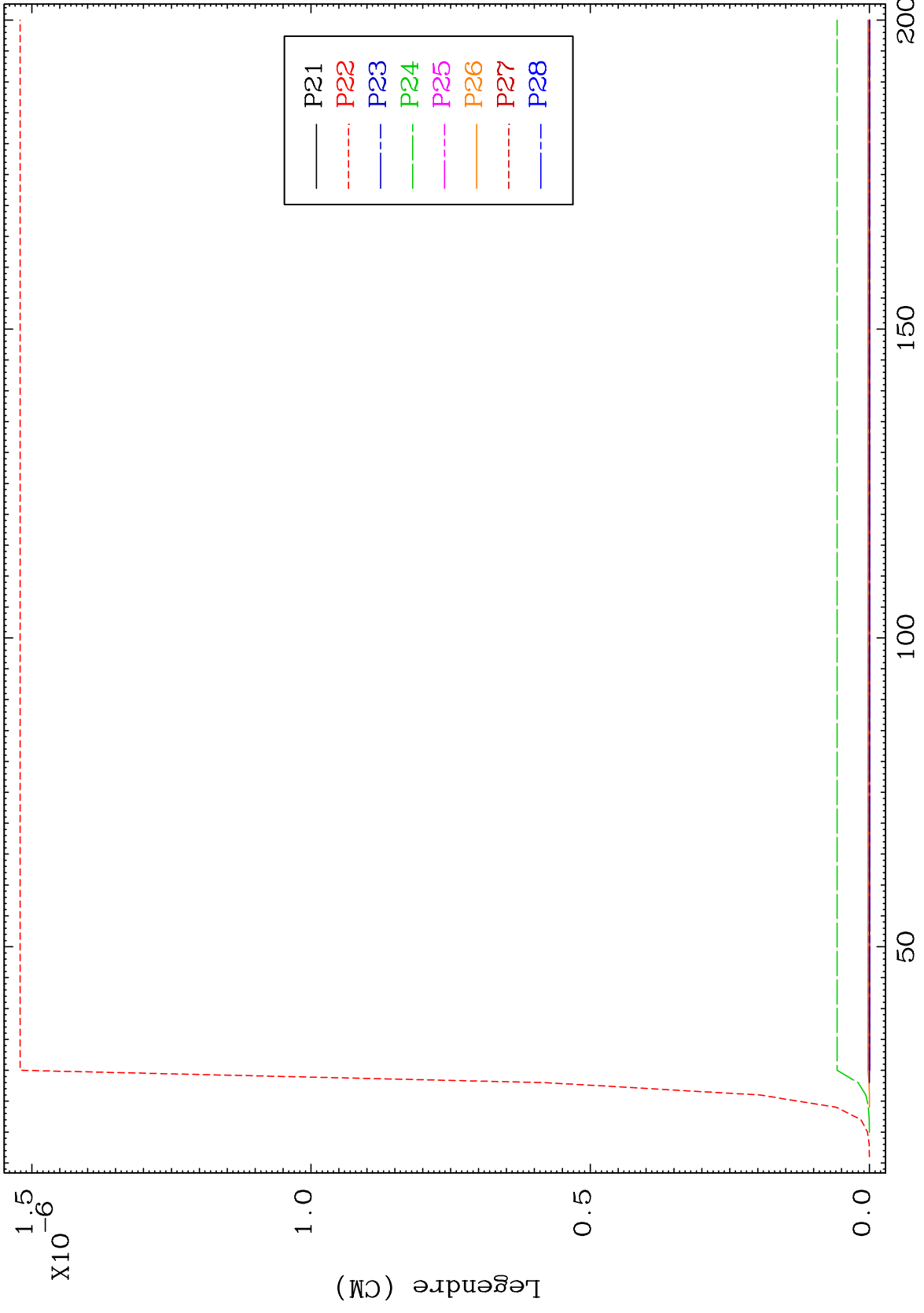


74 80-Hg-195

MAT 8022

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

80-Hg-195

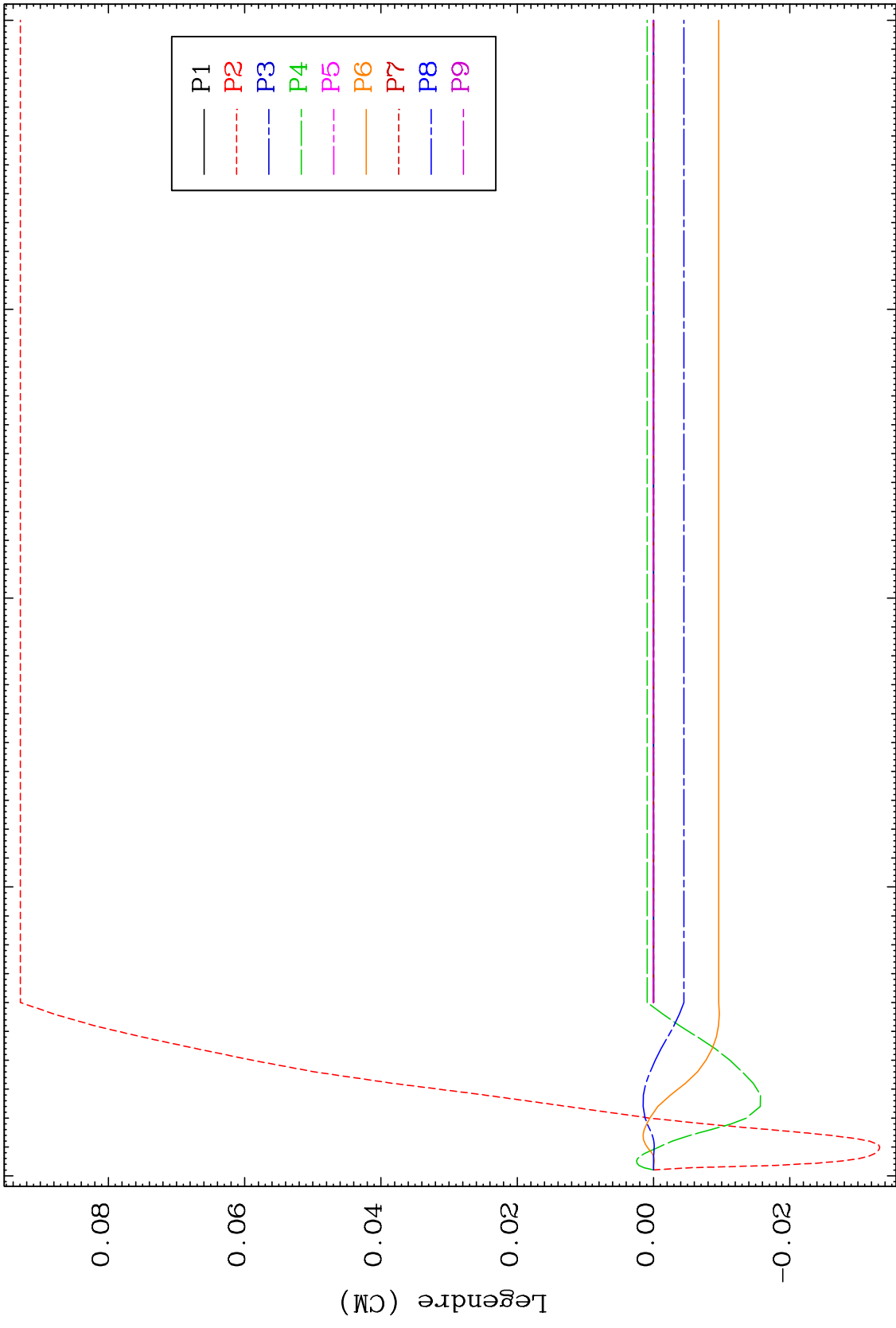


80-Hg-195

Incident Energy (MeV)

75

MAT 8022 MT= 69 (n,n') Level Legendre Coefficients 80-Hg-195

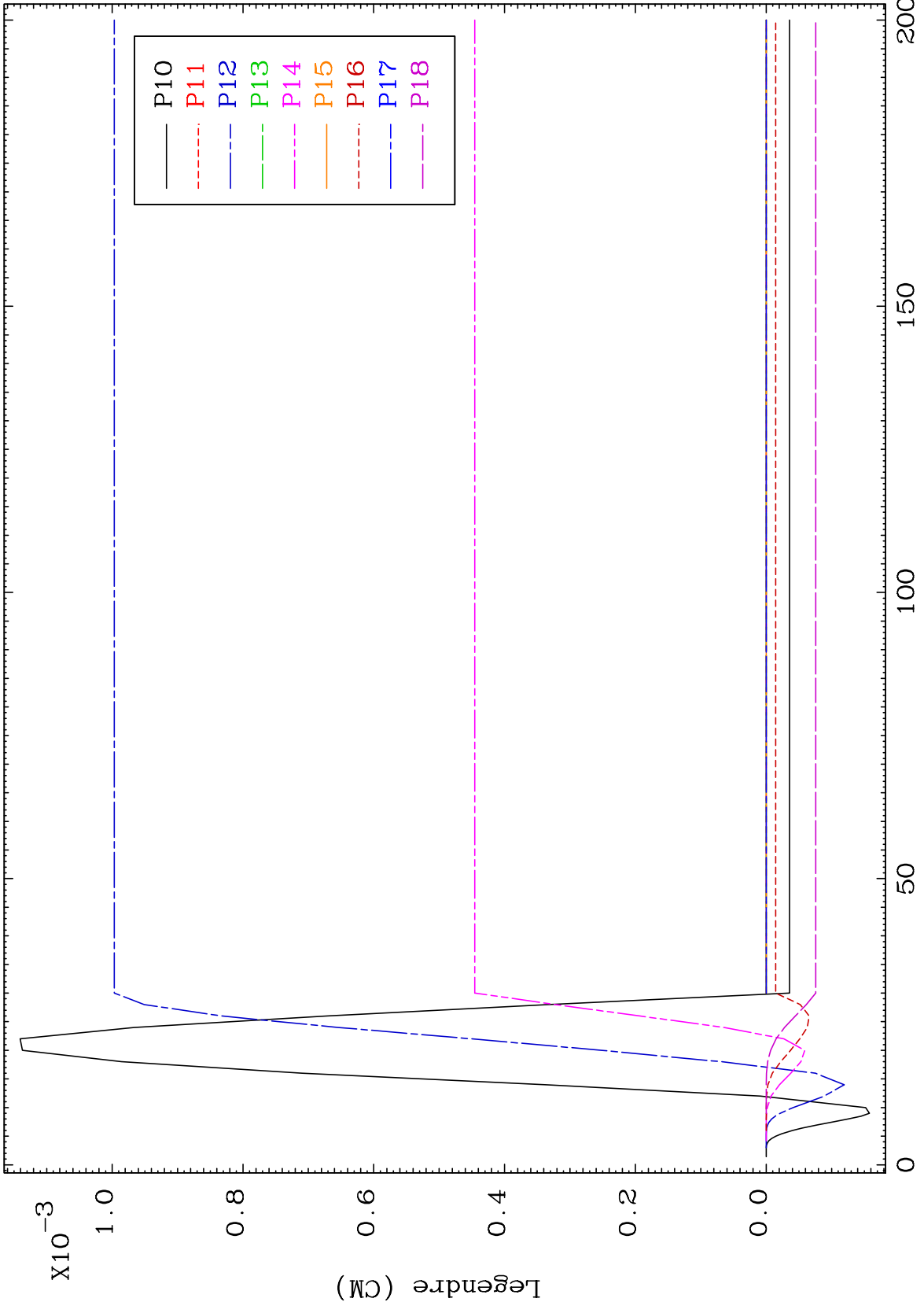


76 80-Hg-195

MAT 8022

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

80-Hg-195

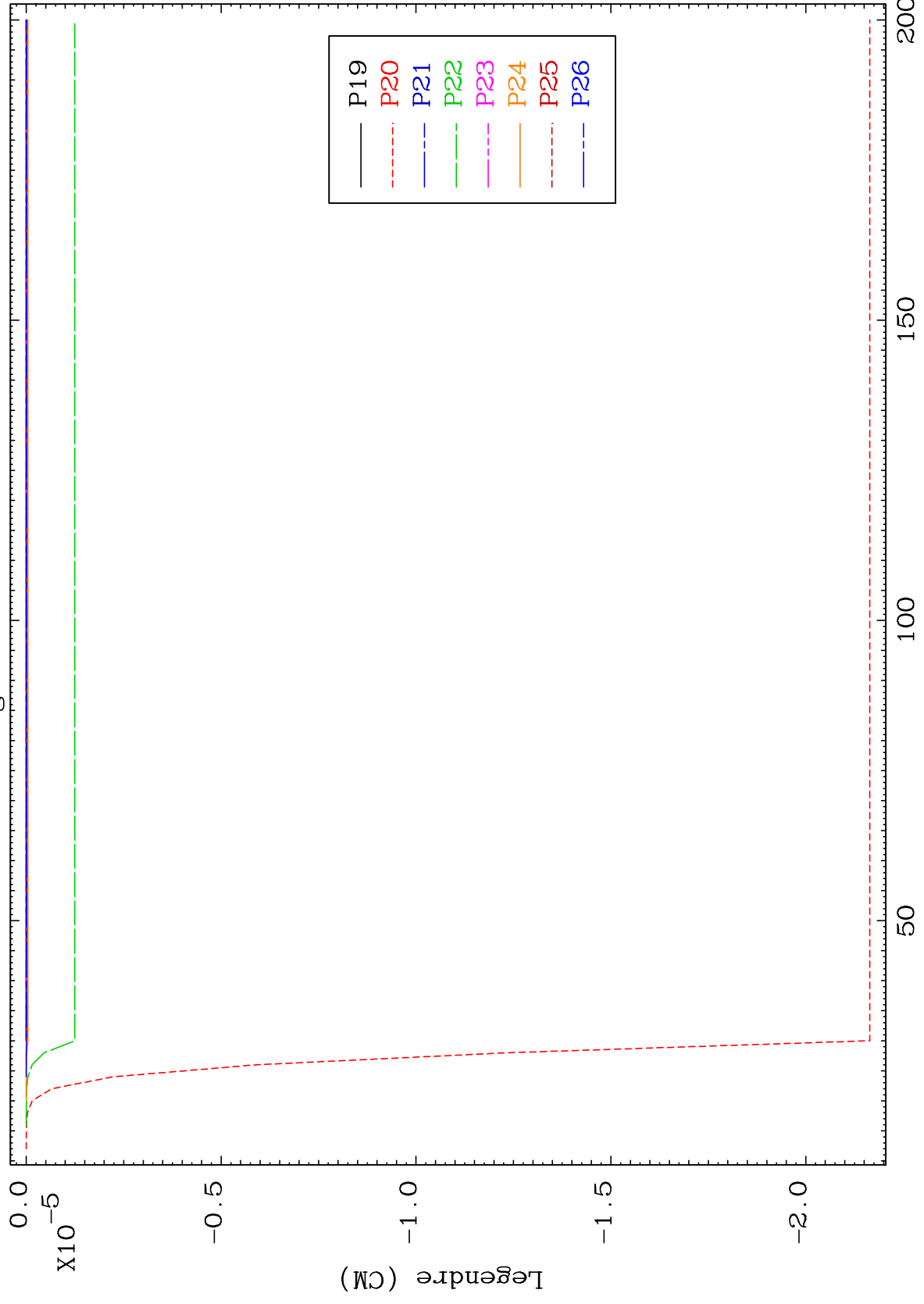


77

Incident Energy (MeV)

80-Hg-195

MAT 8022 MT= 69 (n,n') Level Legendre Coefficients 80-Hg-195

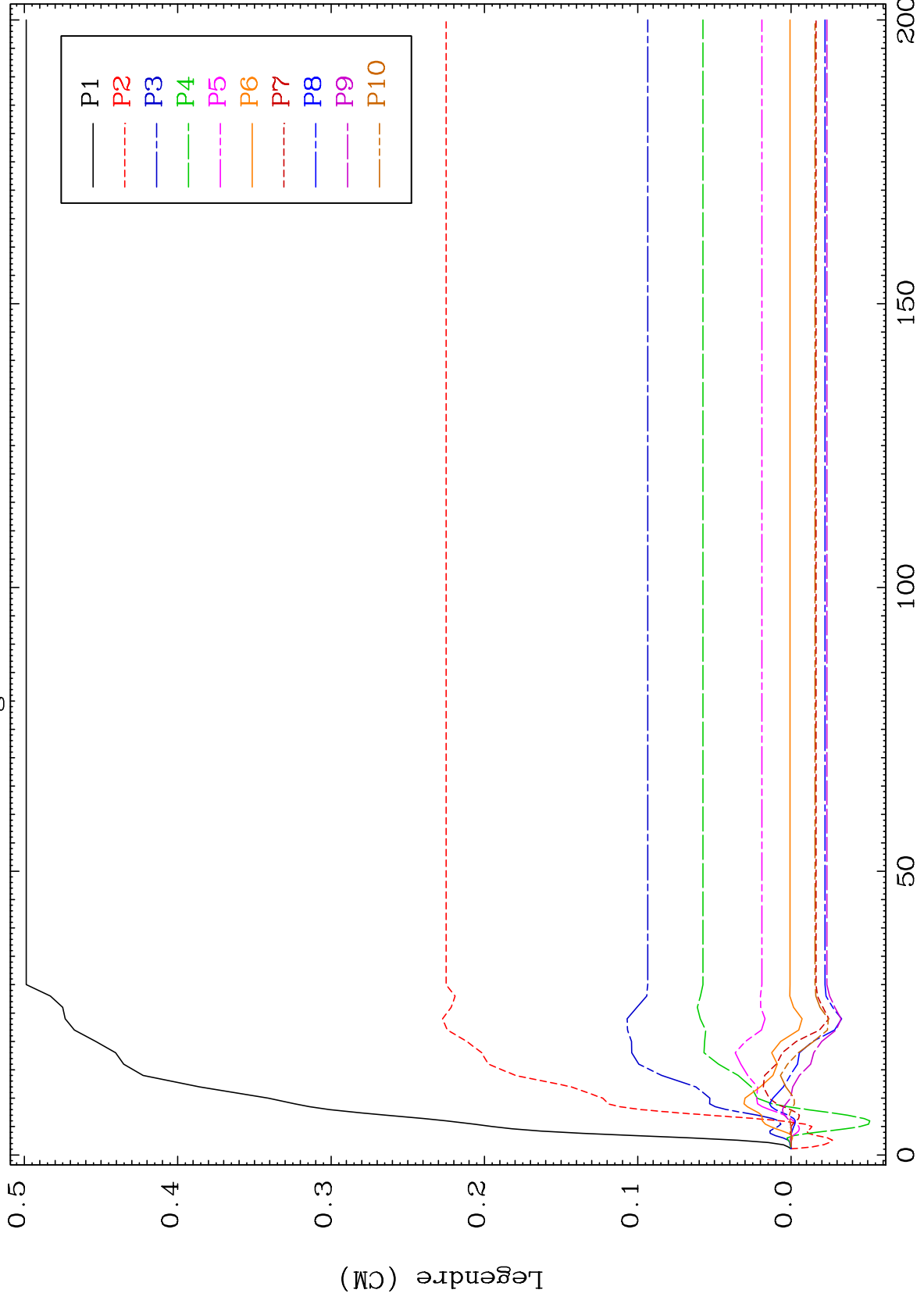


78

Incident Energy (MeV)

80-Hg-195

MAT 8022 MT= 70 (n,n') Level Legendre Coefficients 80-Hg-195



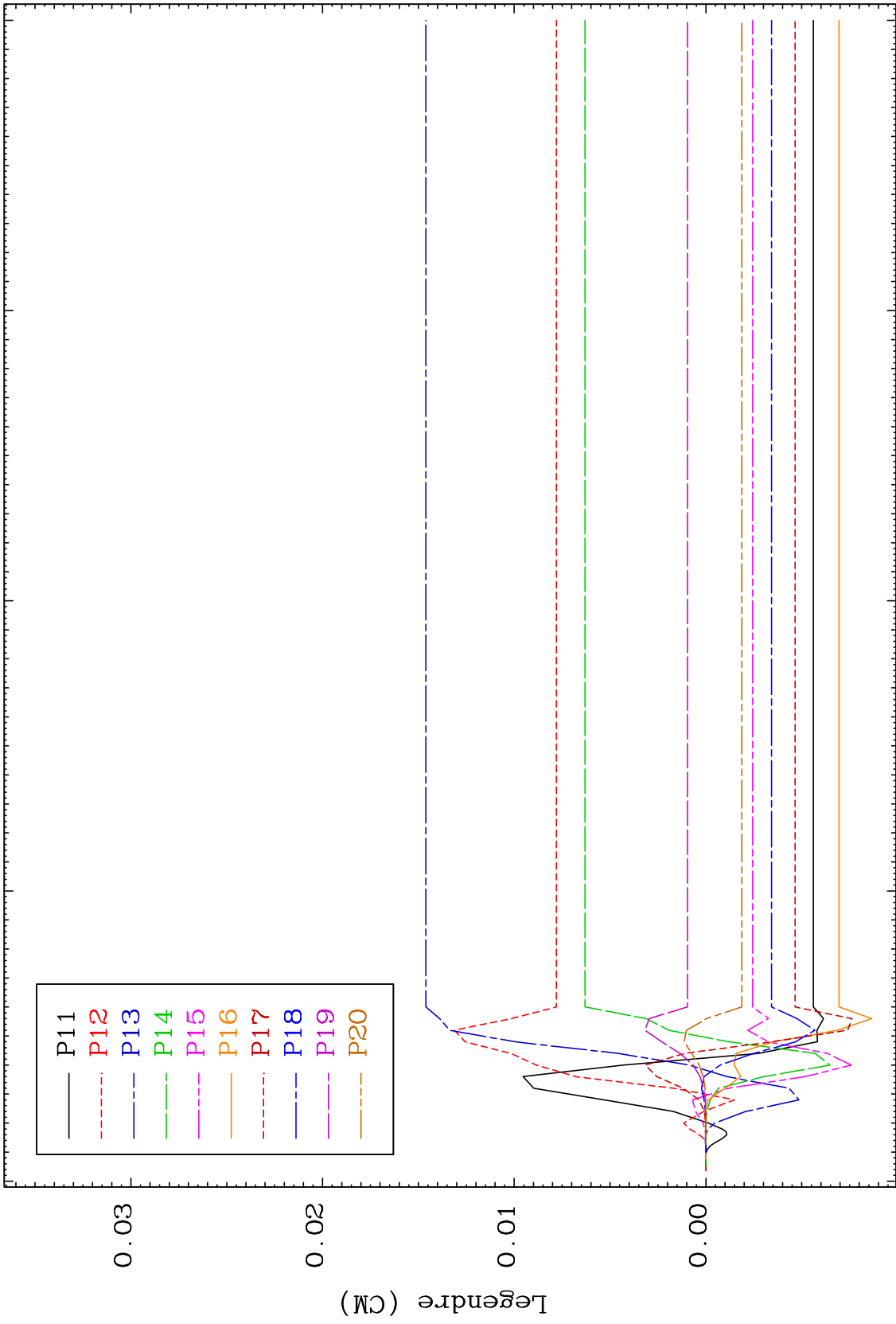
79 80-Hg-195



MAT 8022

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

80-Hg-195



80

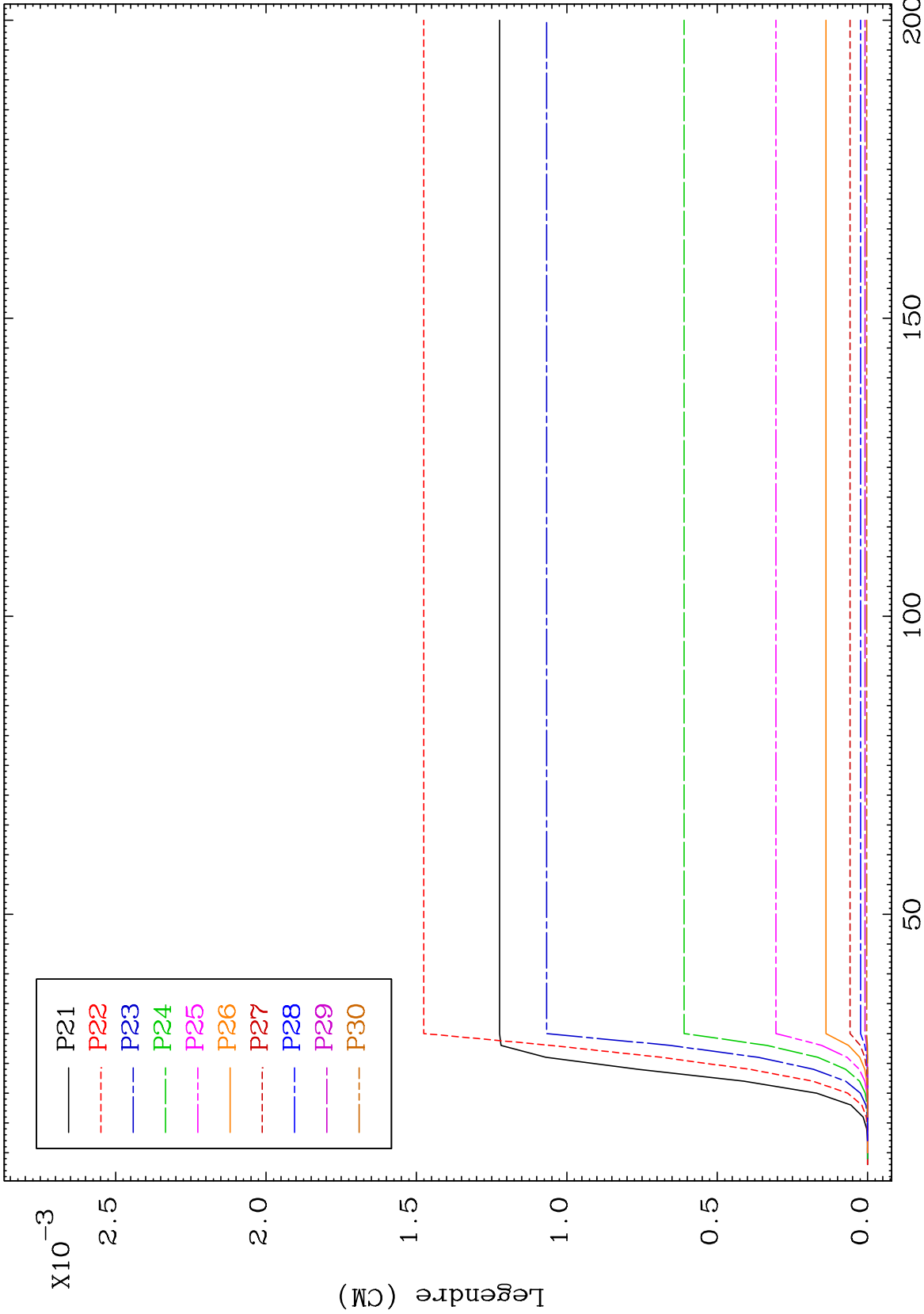
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195

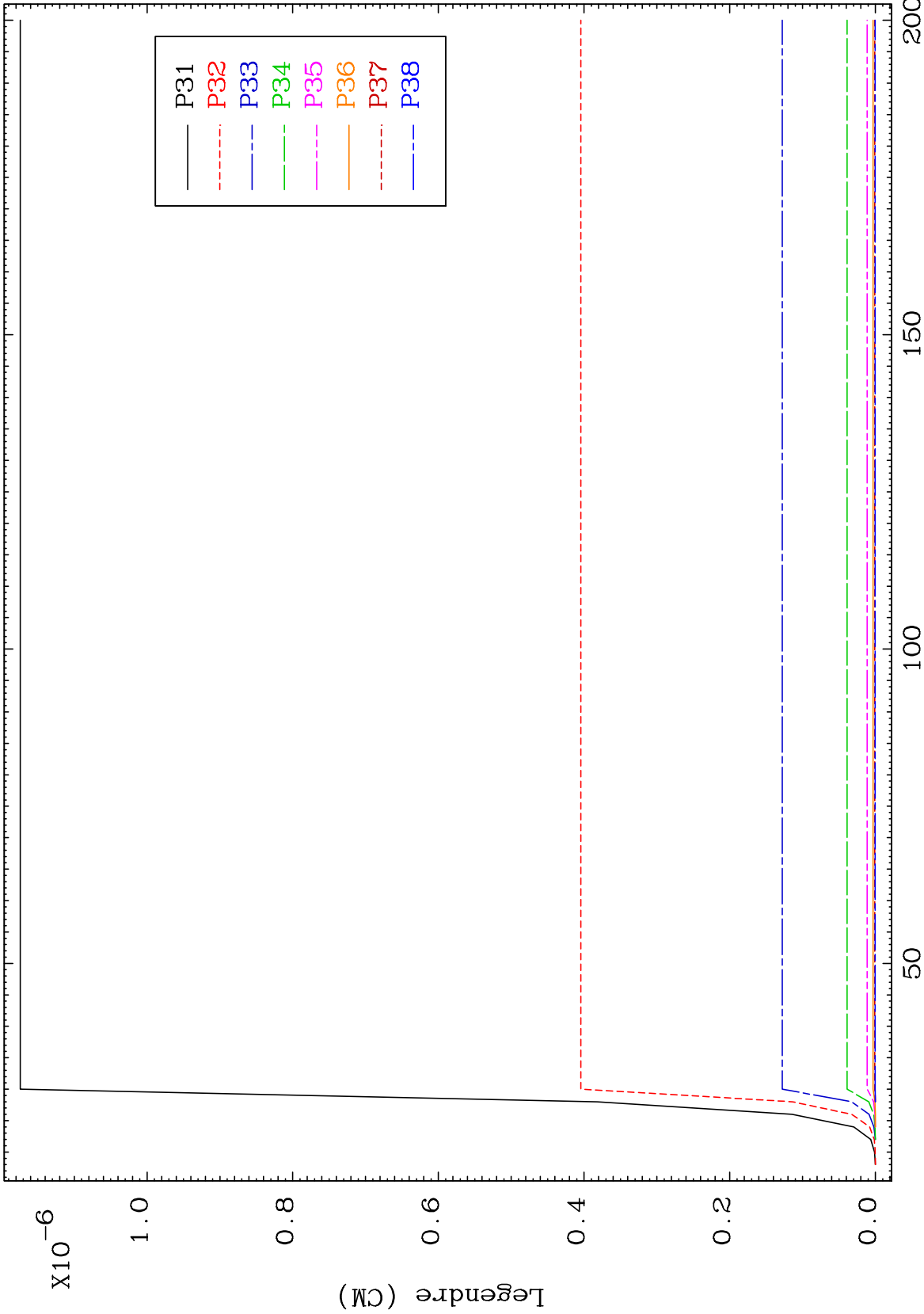


81

MAT 8022

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

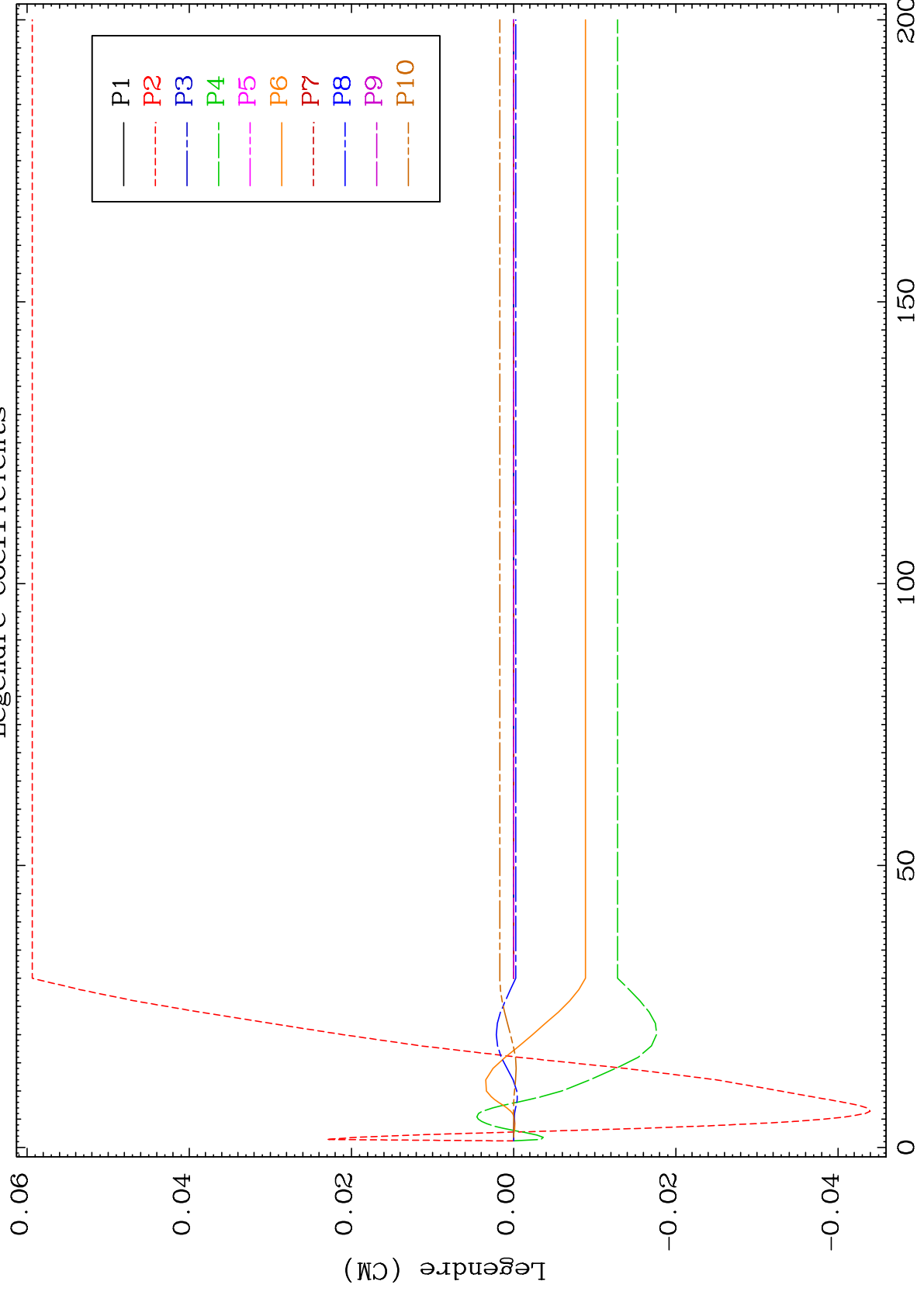
80-Hg-195



82

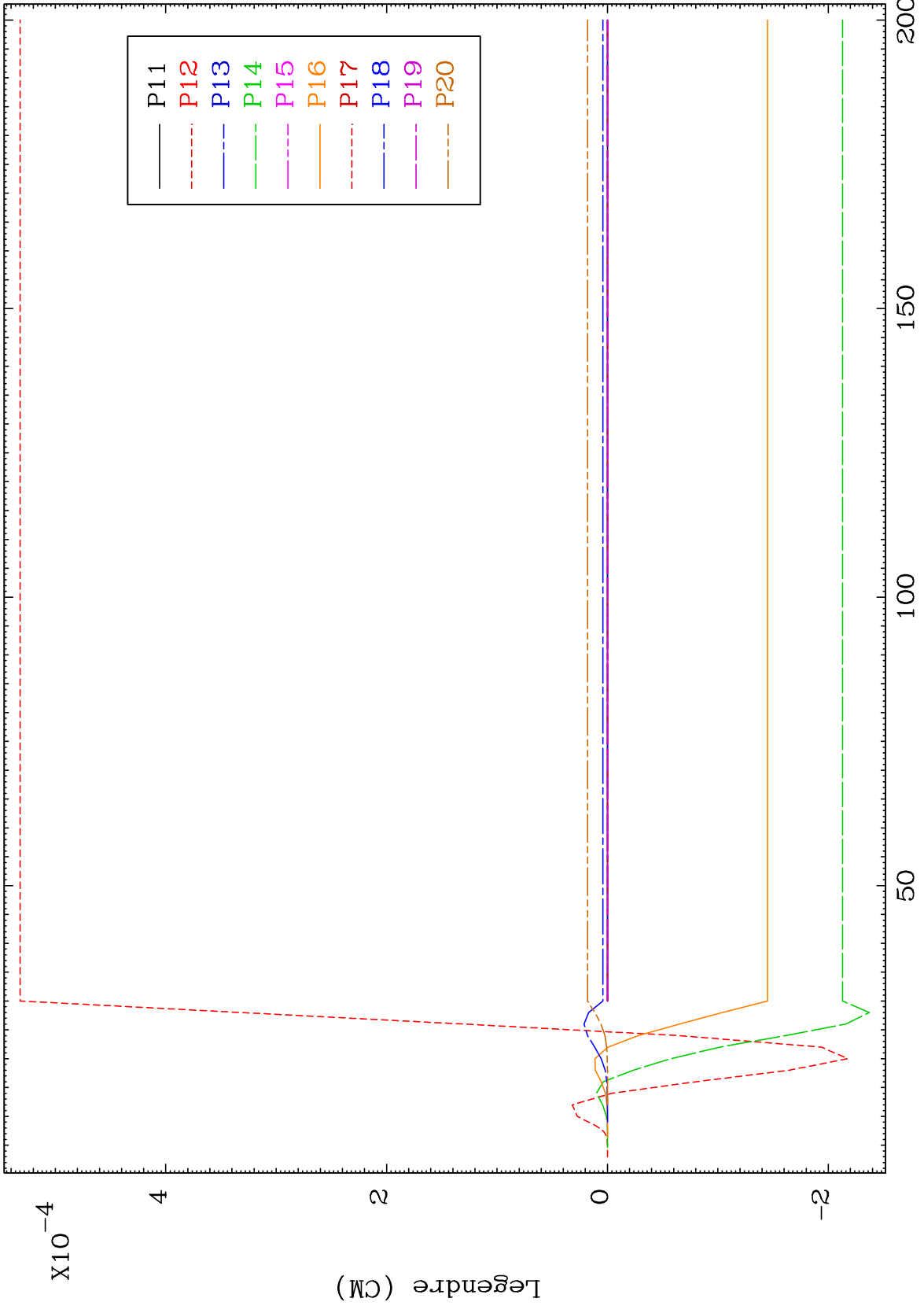
80-Hg-195

MAT 8022 MT= 71 (n,n') Level Legendre Coefficients 80-Hg-195

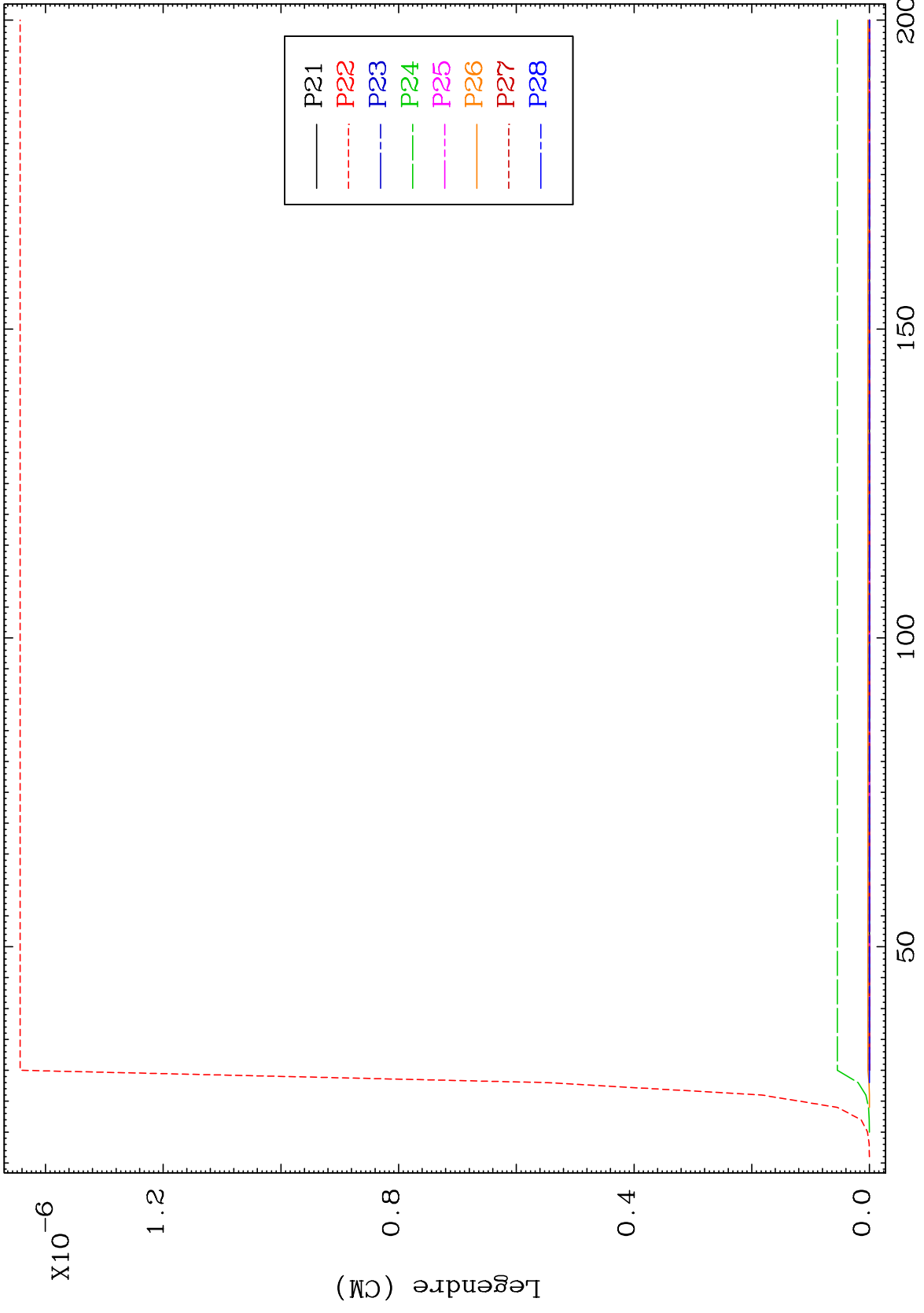


83 80-Hg-195

MAT 8022 MT= 71 (n,n') Level Legendre Coefficients 80-Hg-195



MAT 8022 MT= 71 (n,n') Level Legendre Coefficients 80-Hg-195

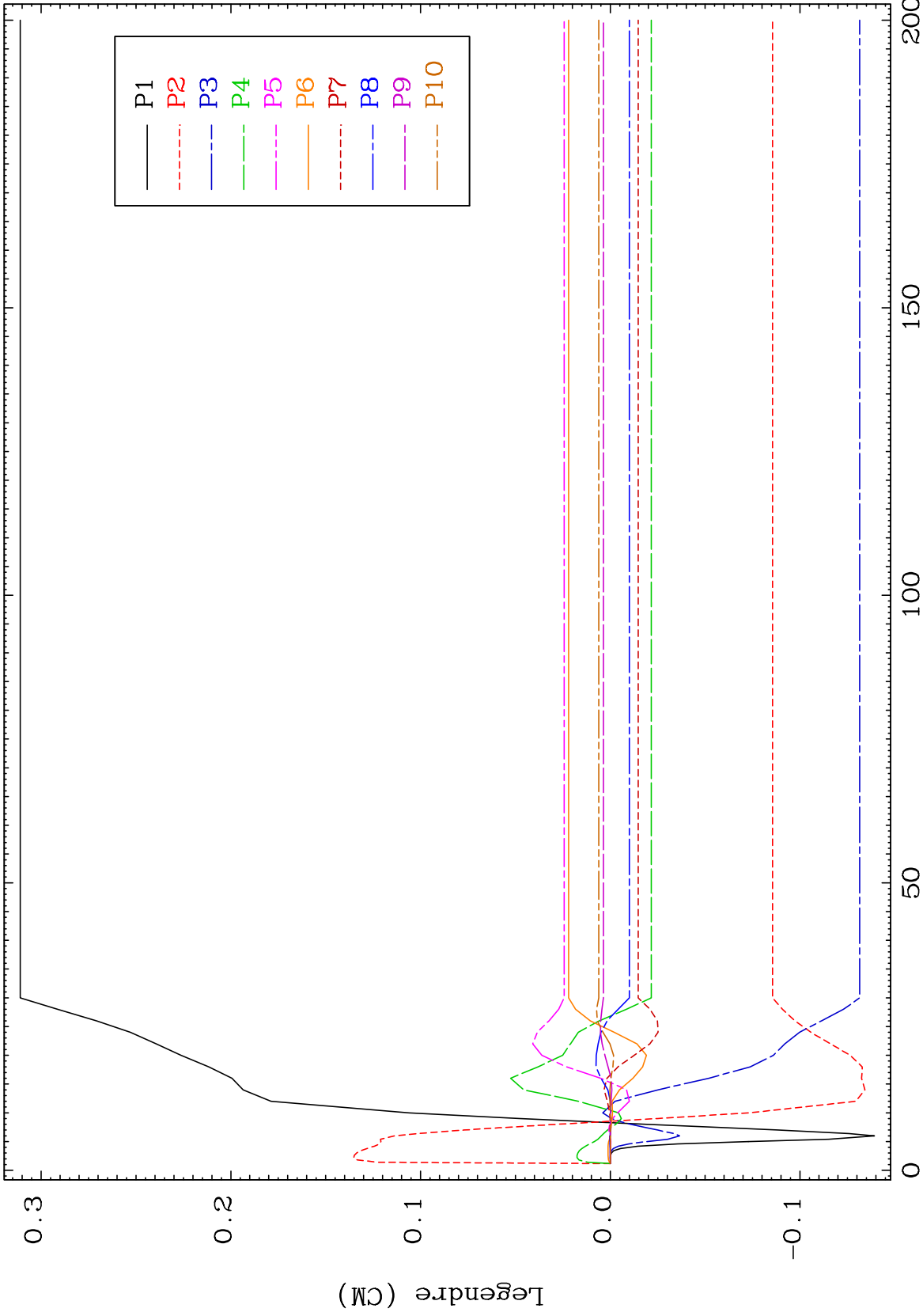


85 Incident Energy (MeV) 80-Hg-195

MAT 8022

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

80-Hg-195



86

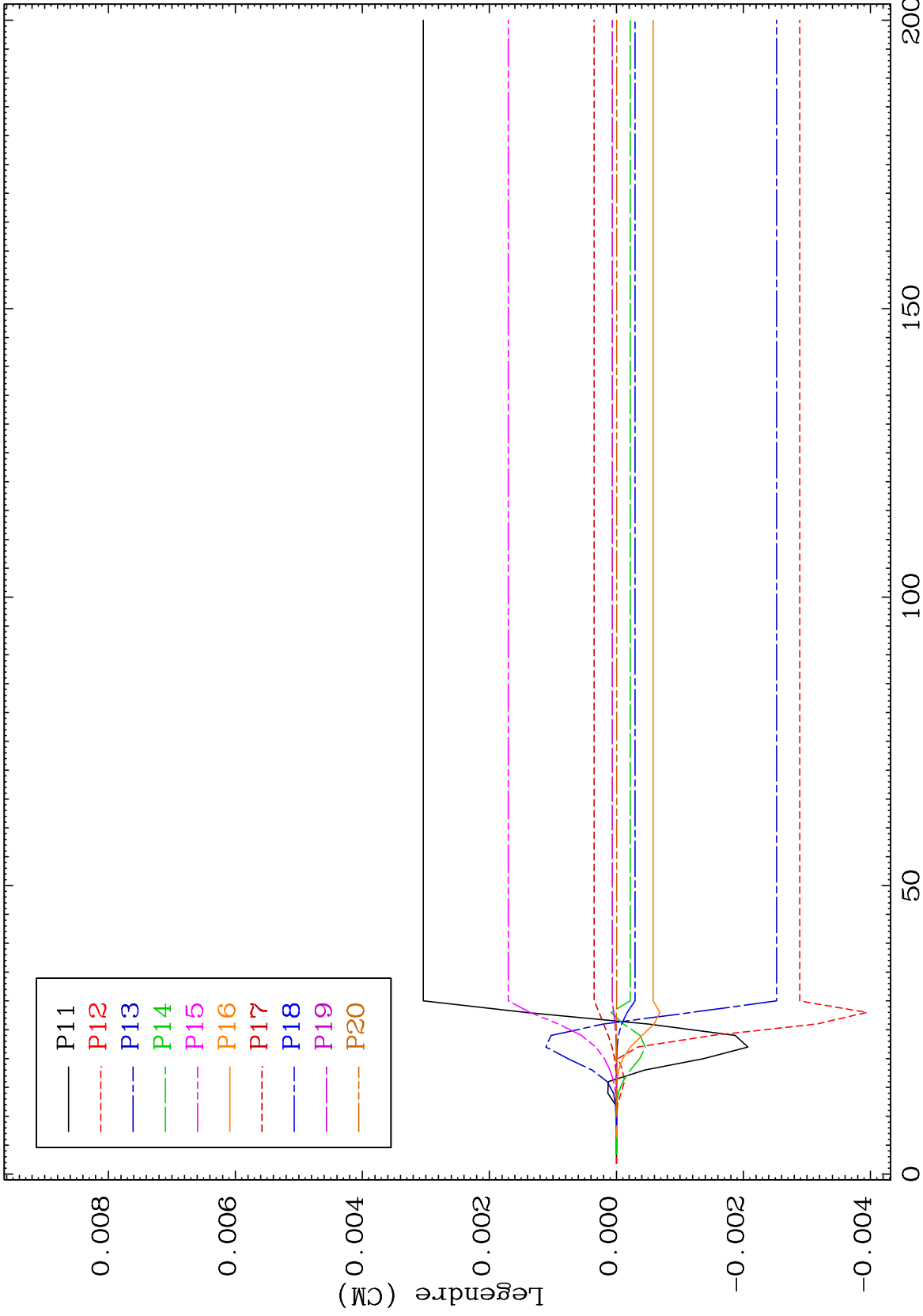
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195



87

Incident Energy (MeV)

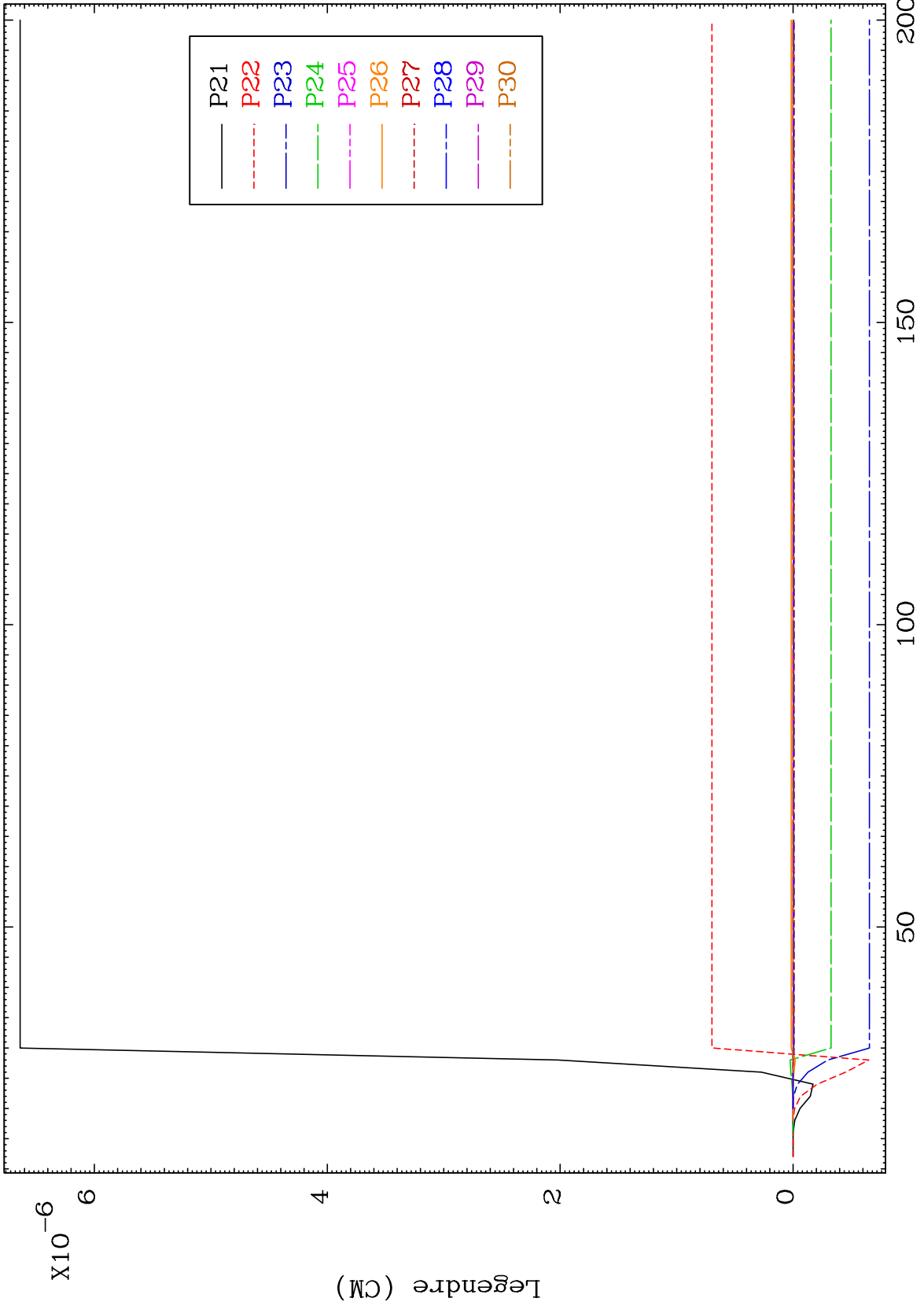
80-Hg-195



MAT 8022

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

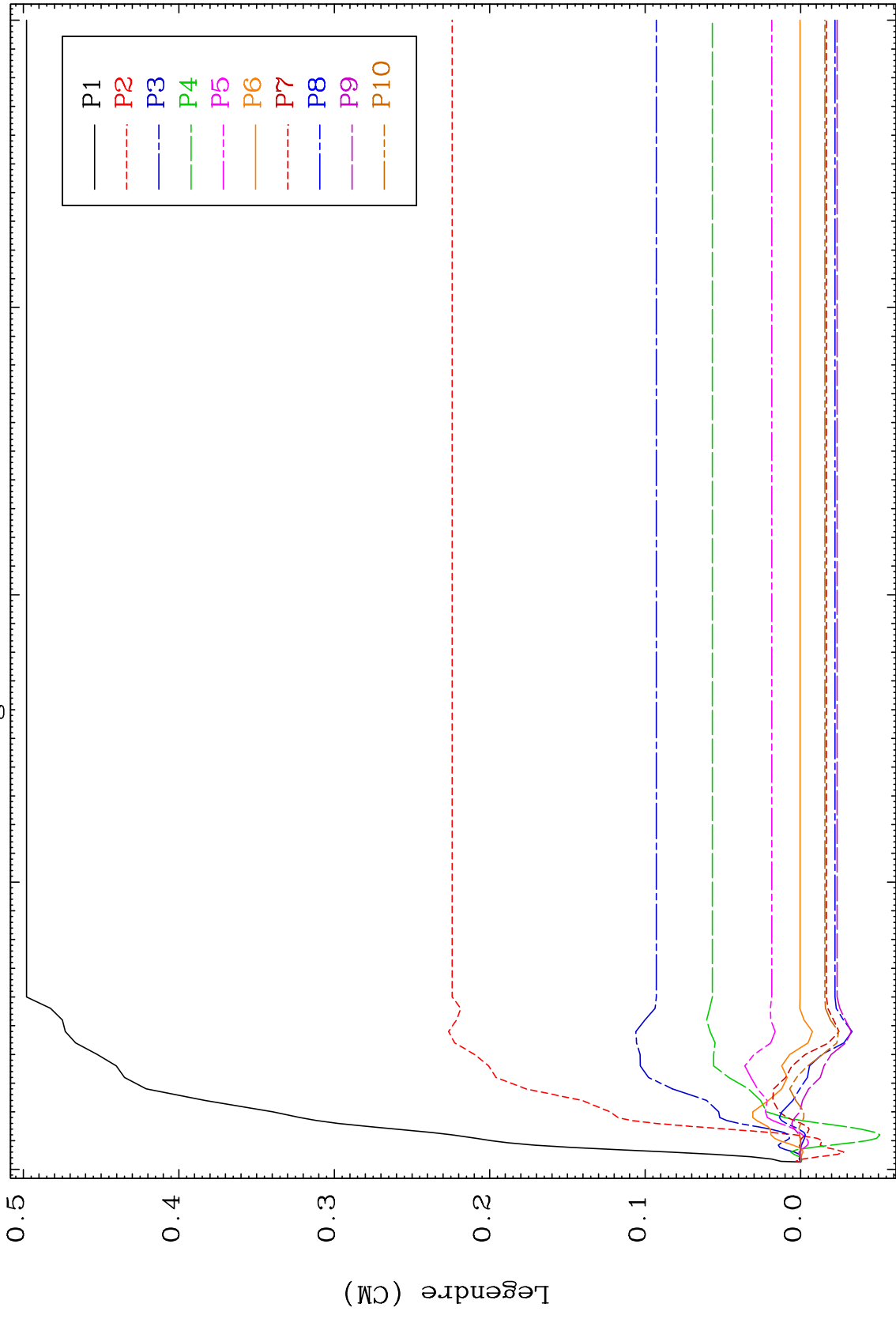
80-Hg-195



88

80-Hg-195

MAT 8022 MT= 73 (n,n') Level Legendre Coefficients 80-Hg-195

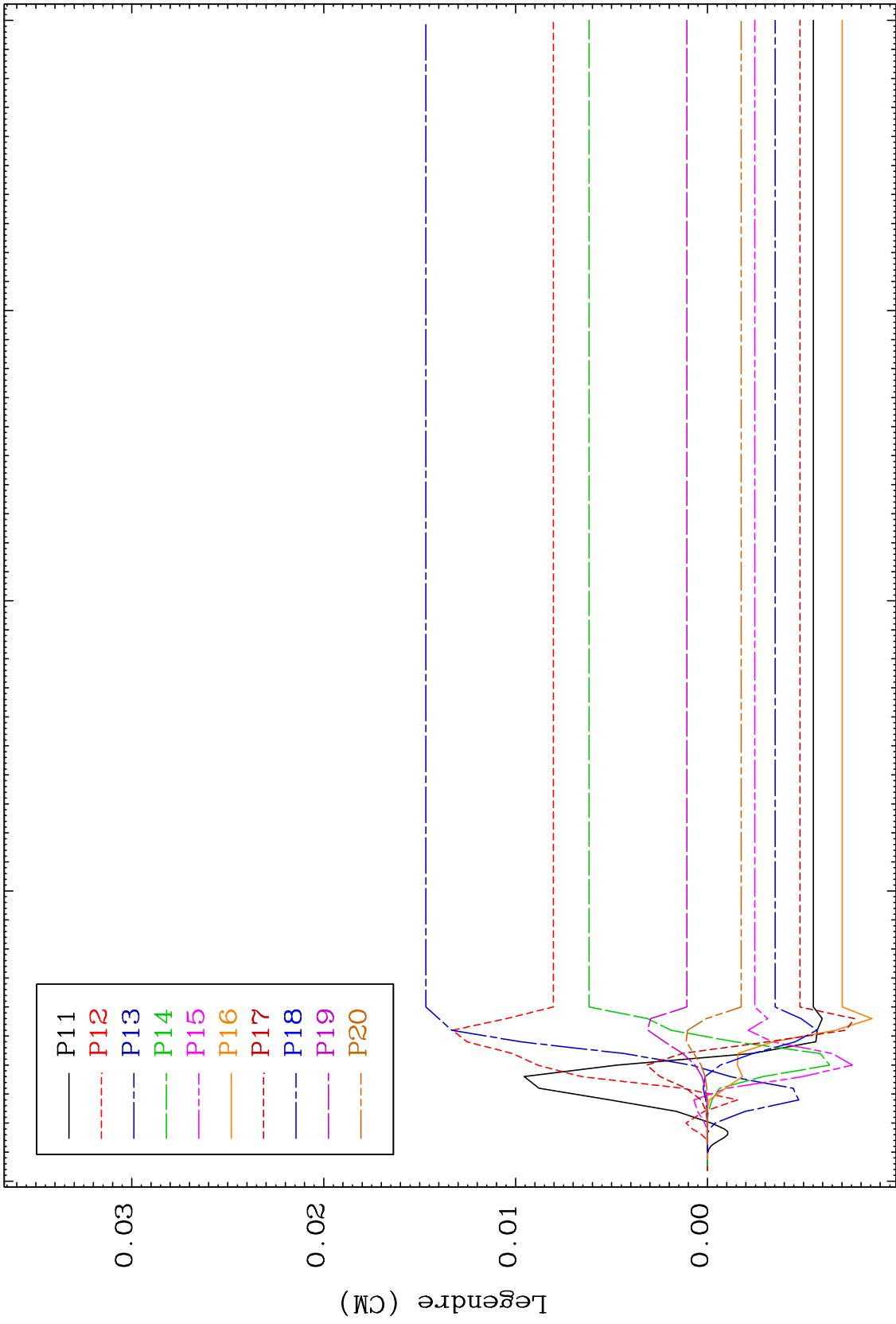


89 Incident Energy (MeV) 80-Hg-195

MAT 8022

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

80-Hg-195



90

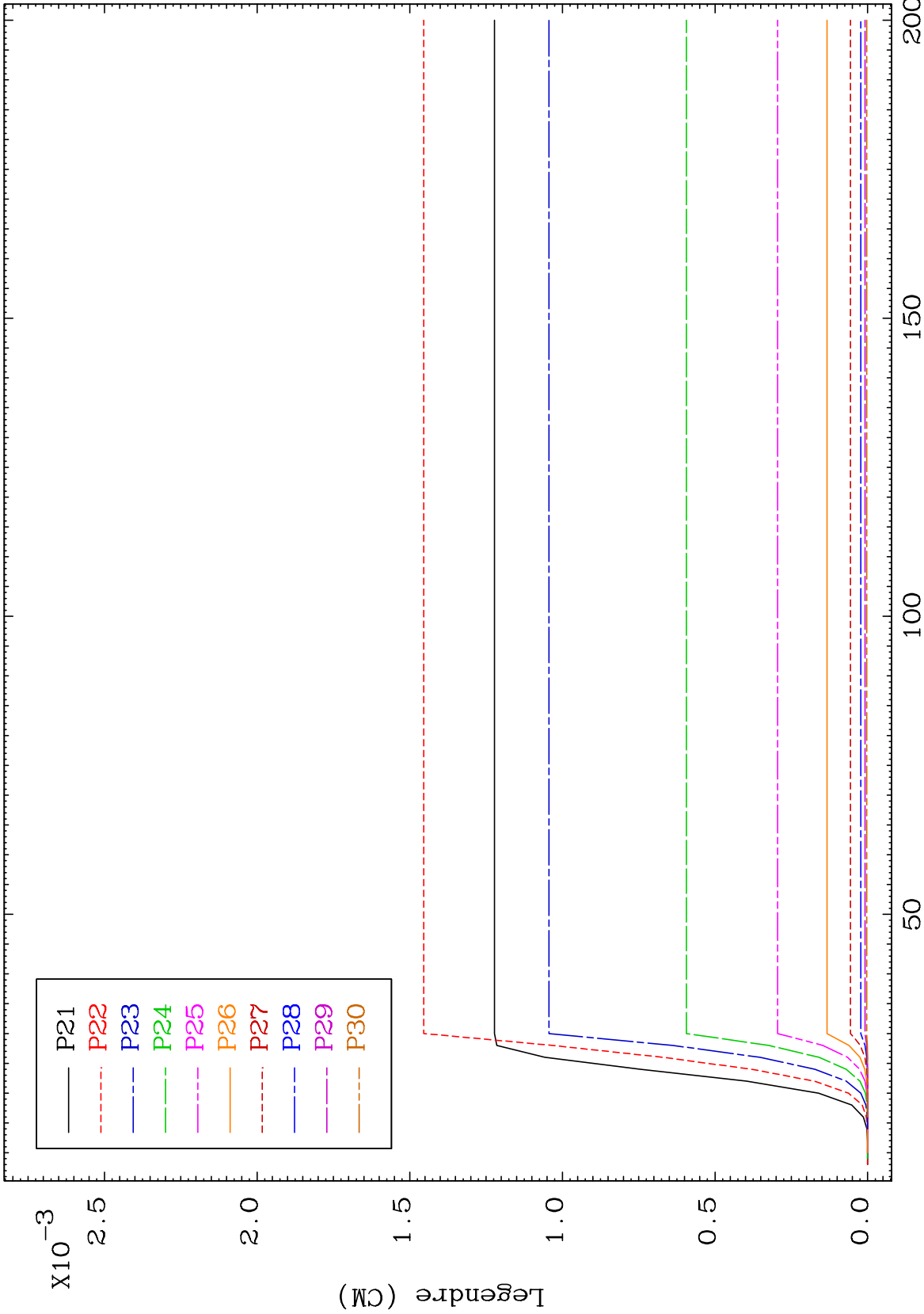
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195



91

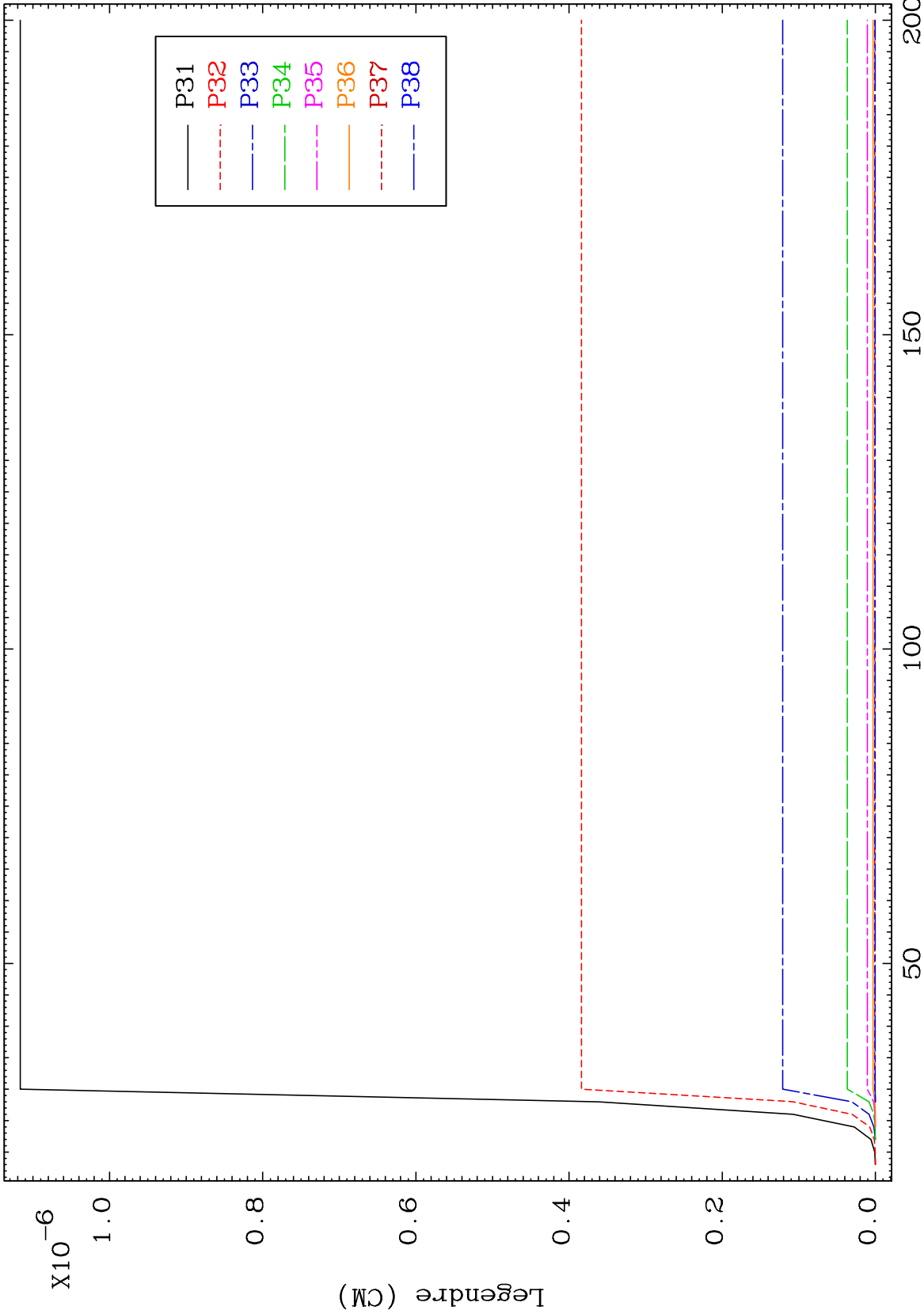
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195



92

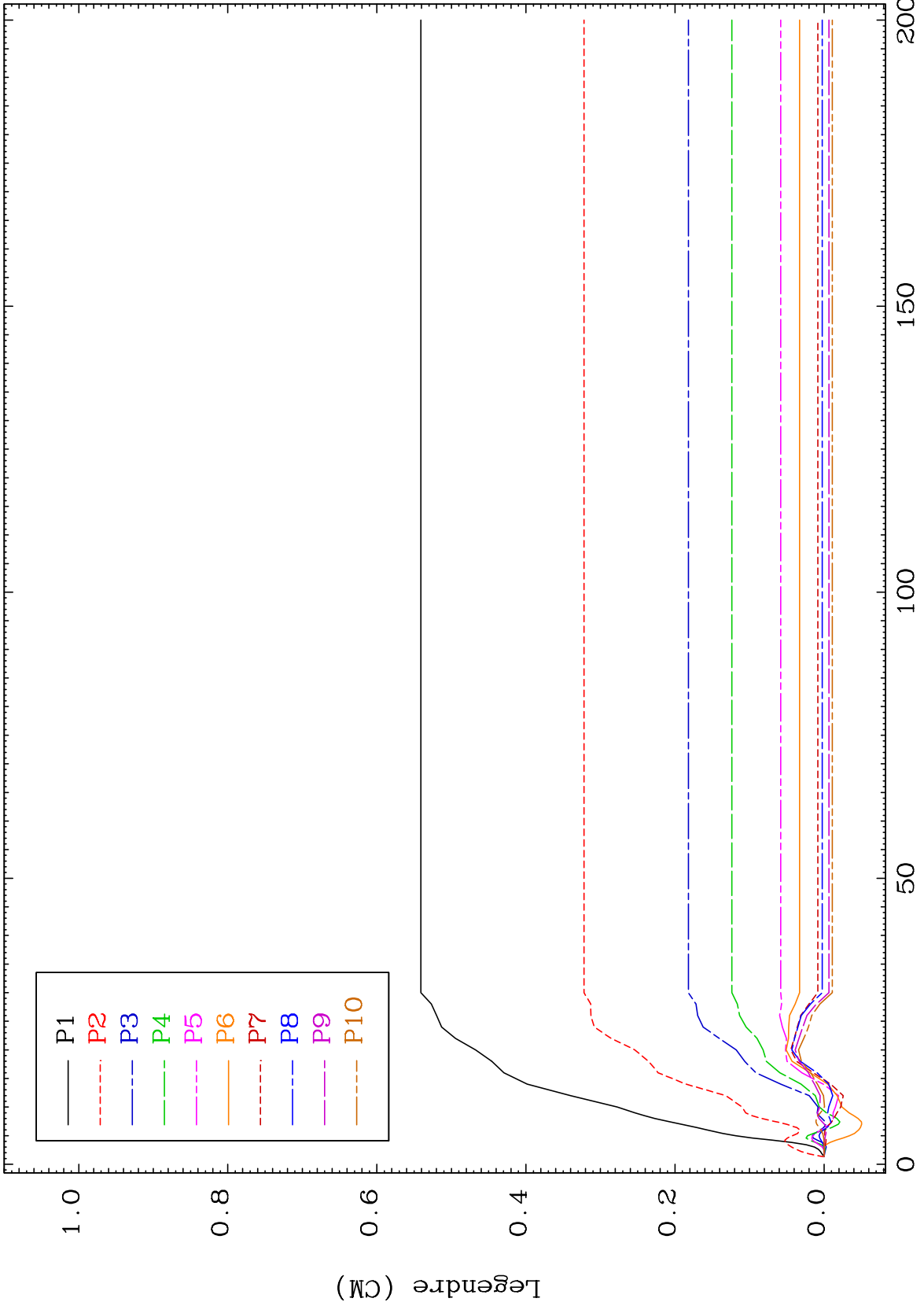
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195



93

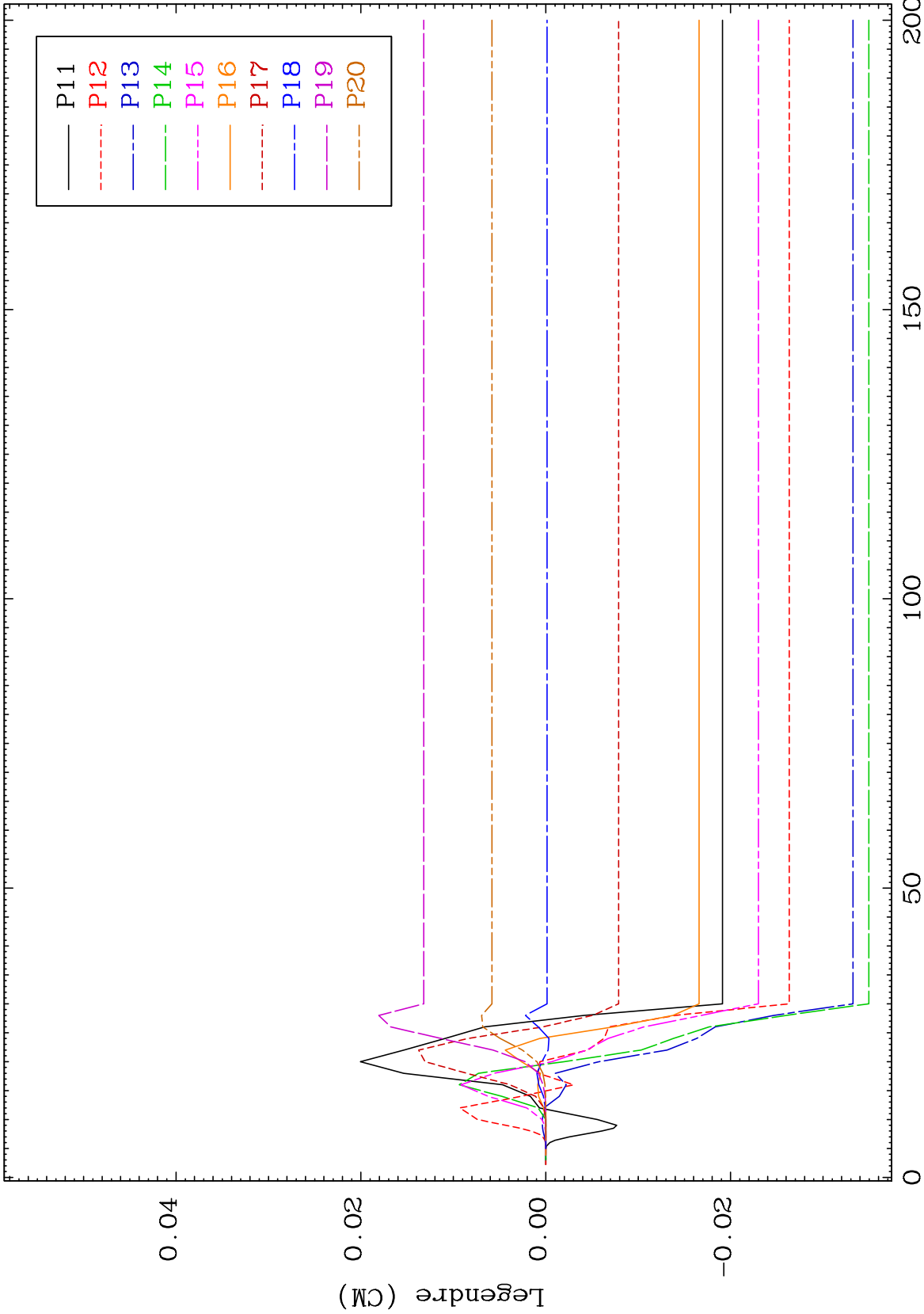
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195



94

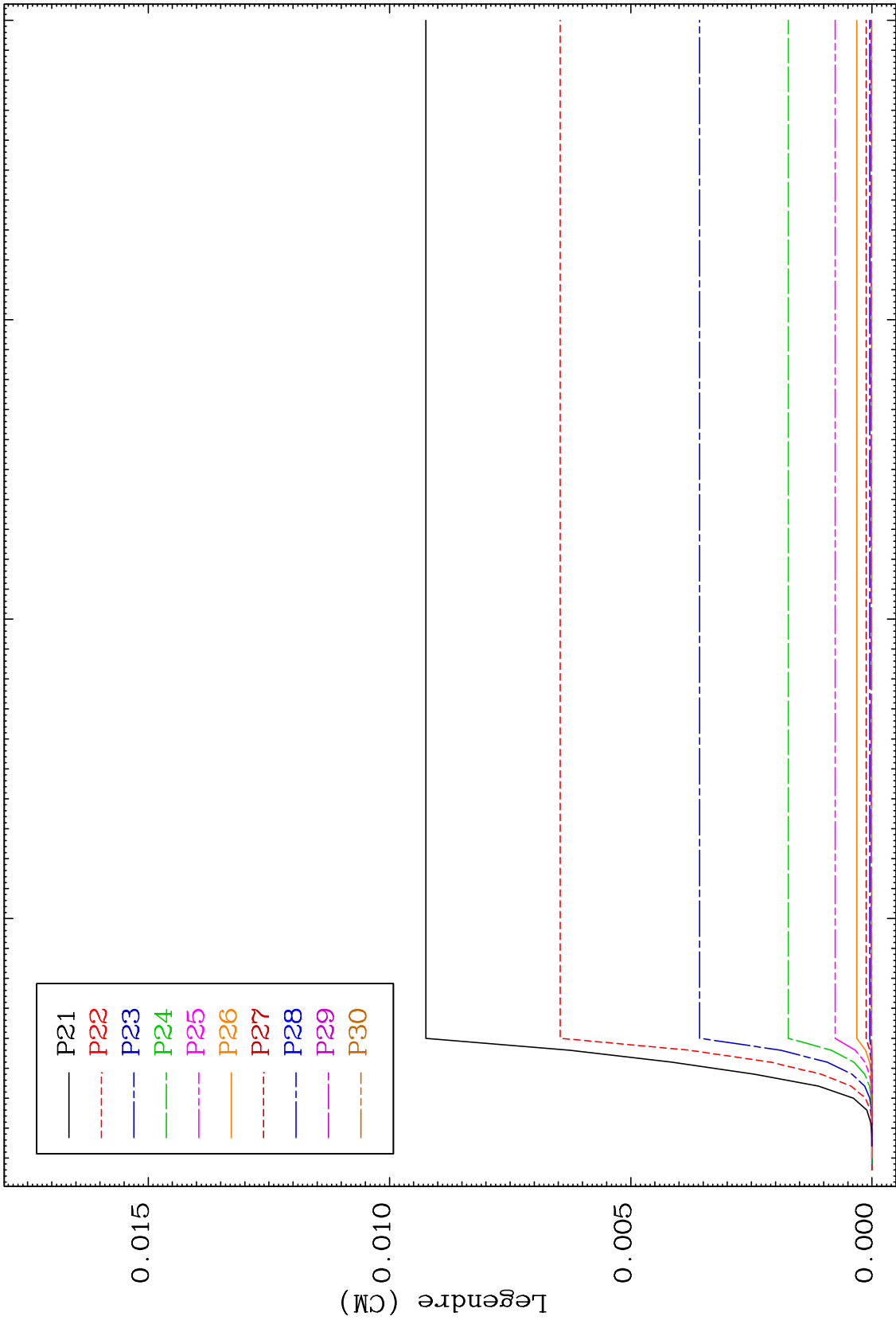
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195



95

Incident Energy (MeV)

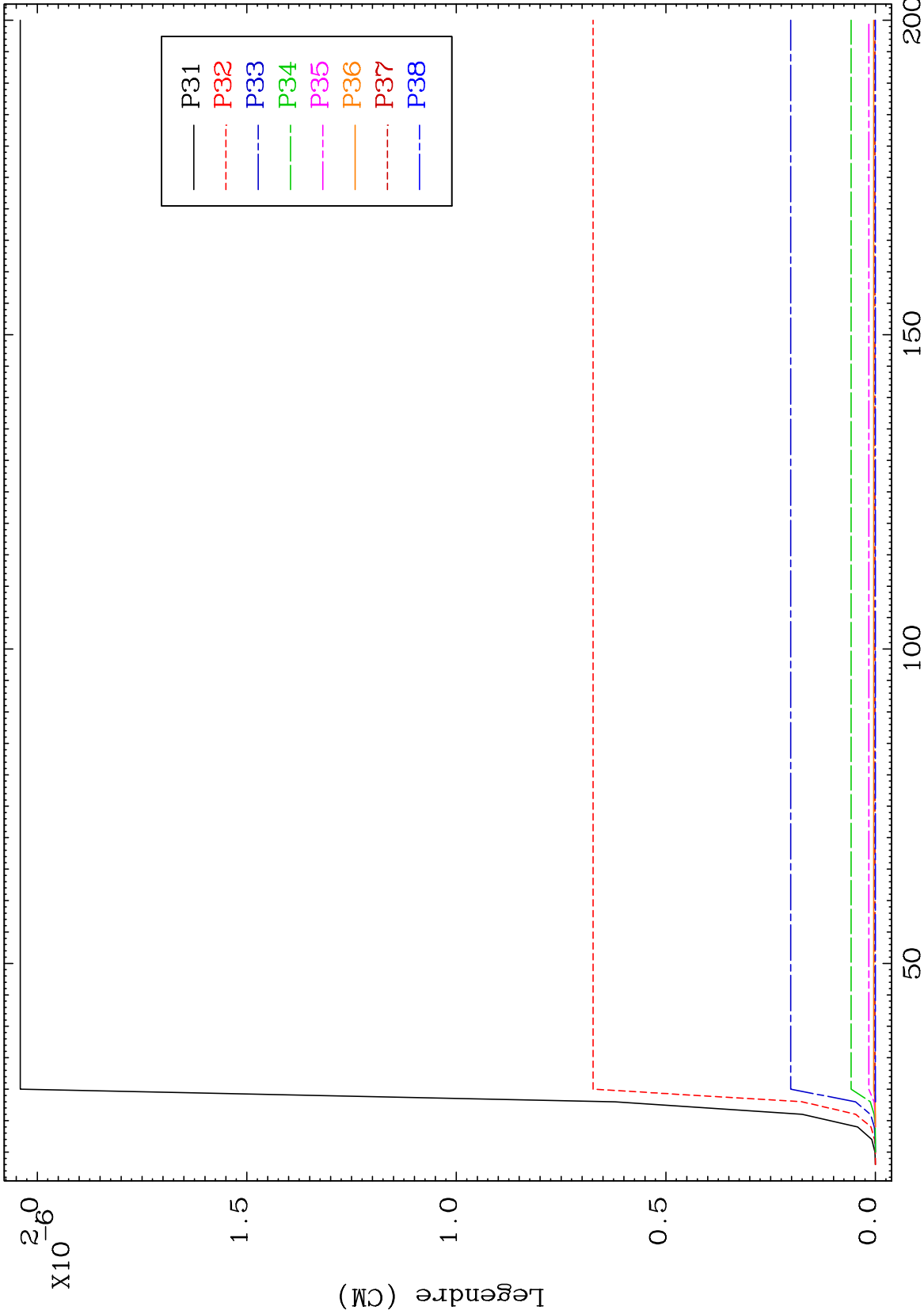
80-Hg-195



MAT 8022

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

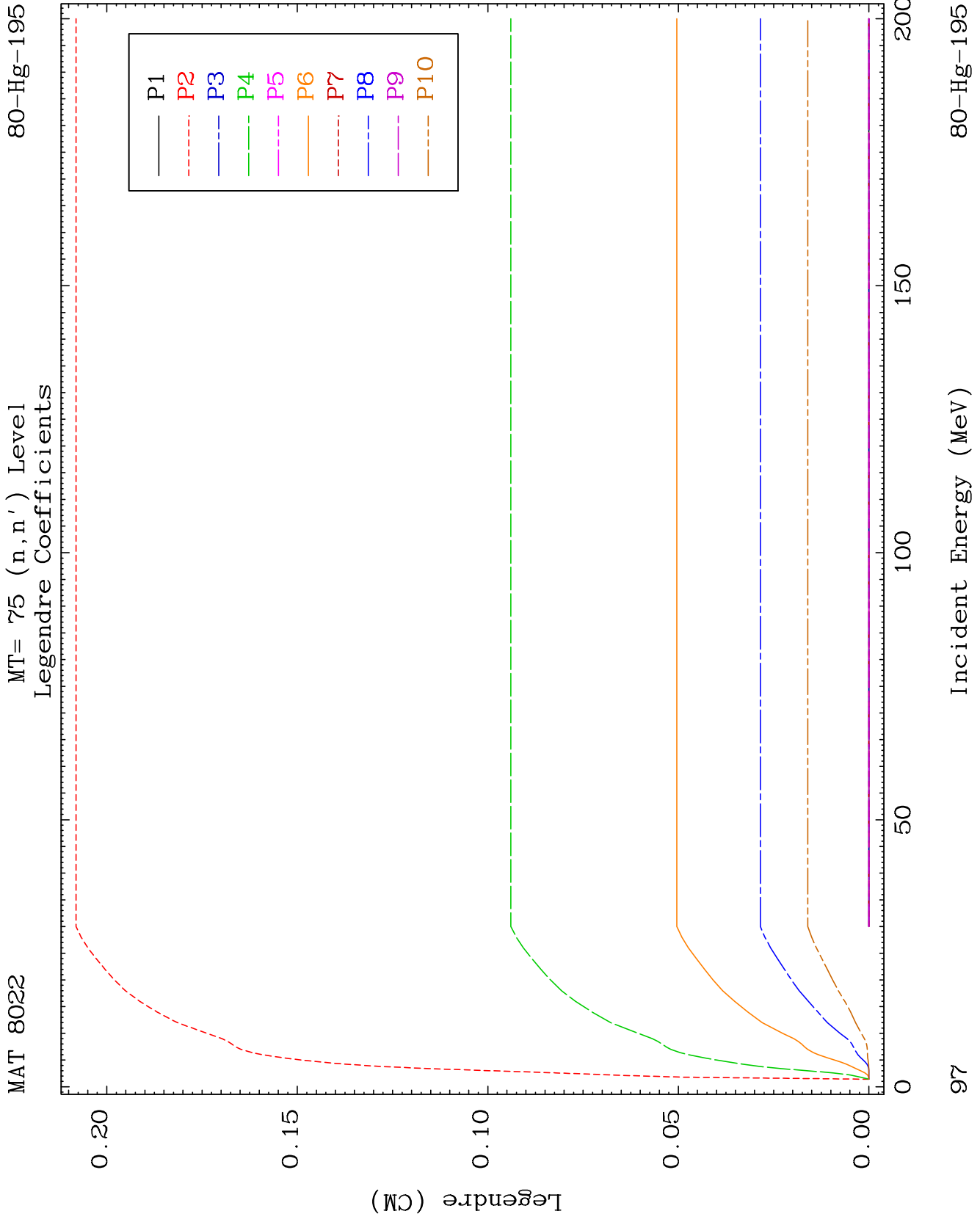
80-Hg-195

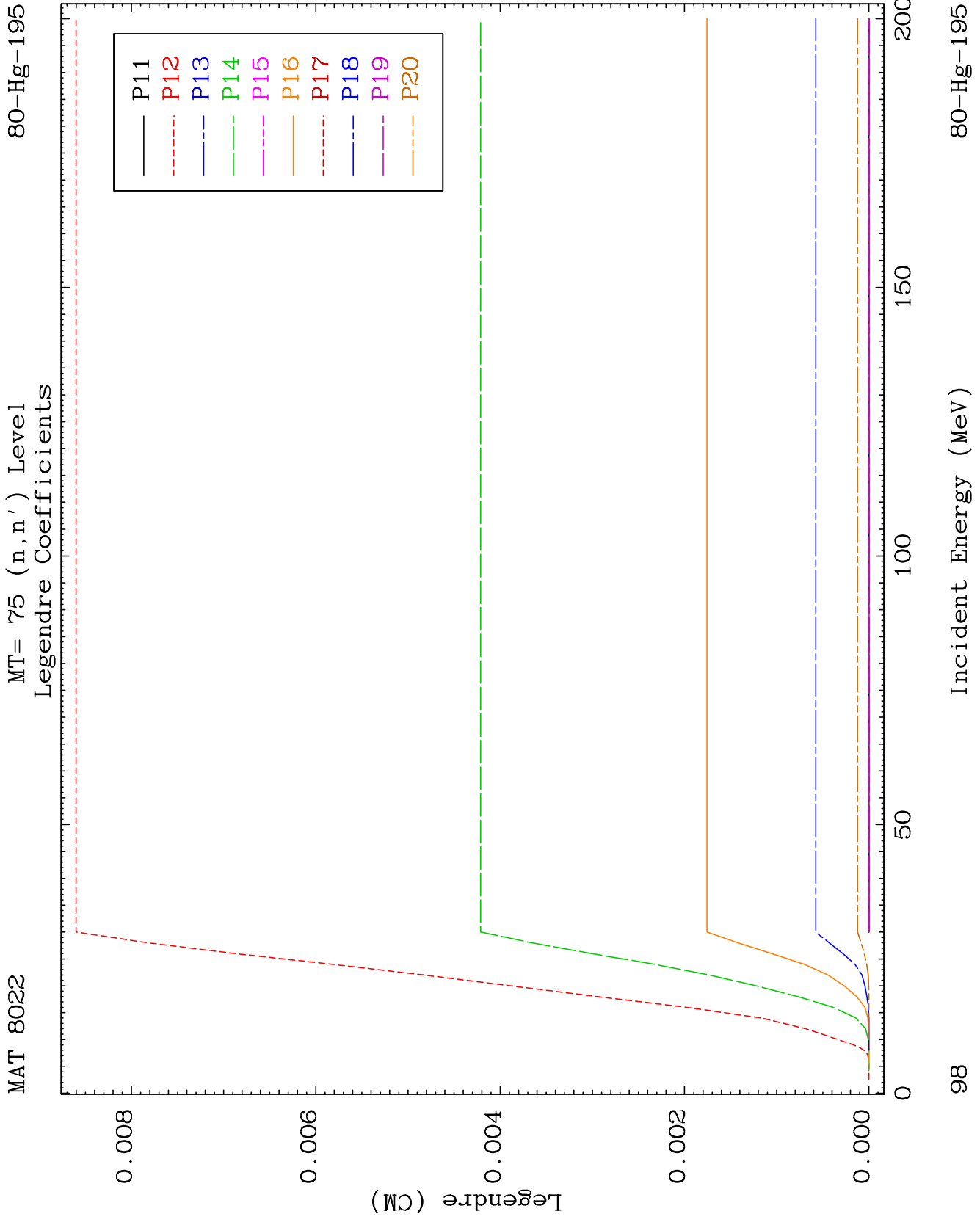


96

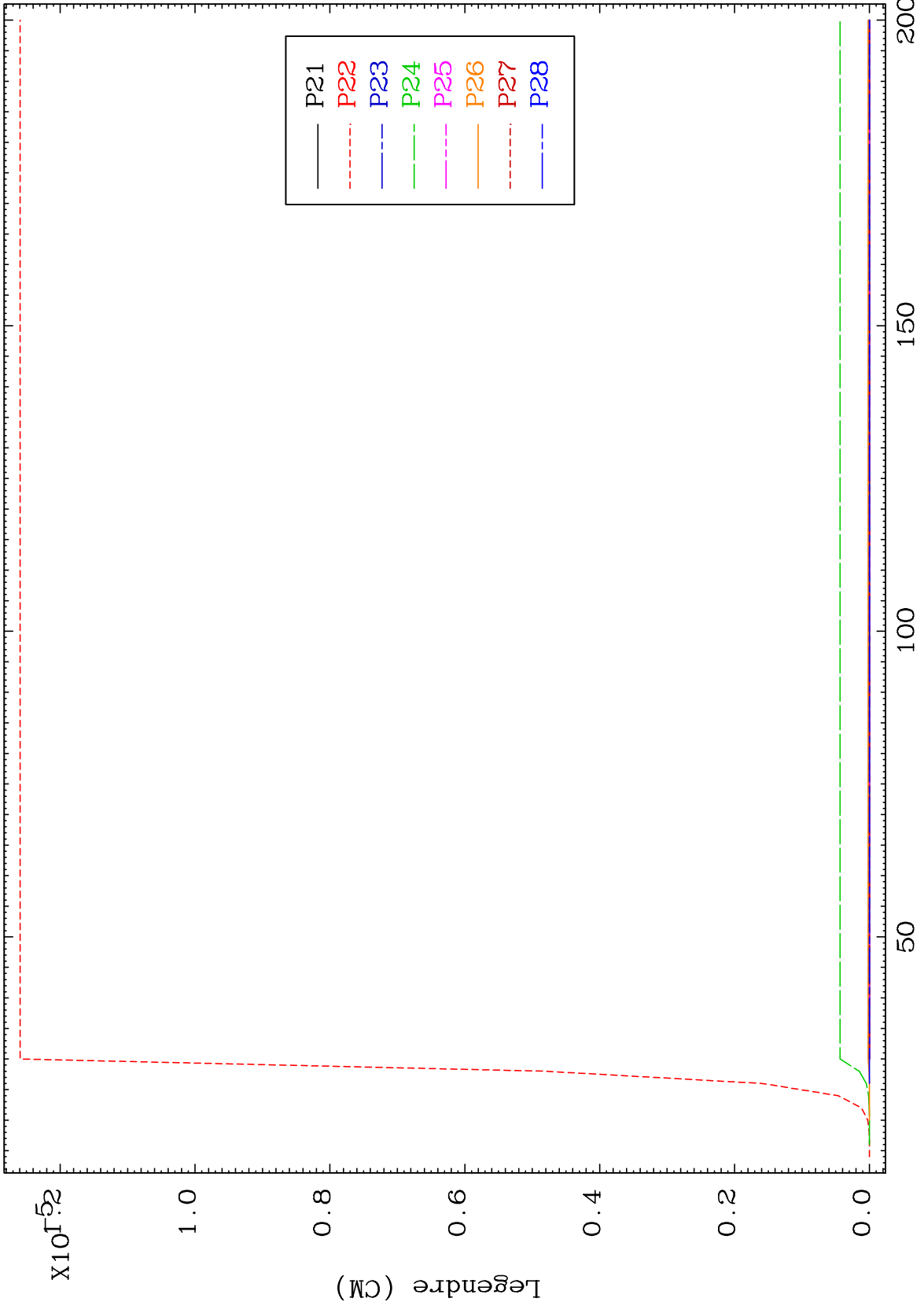
Incident Energy (MeV)

80-Hg-195





MAT 8022 MT= 75 (n,n') Level Legendre Coefficients 80-Hg-195

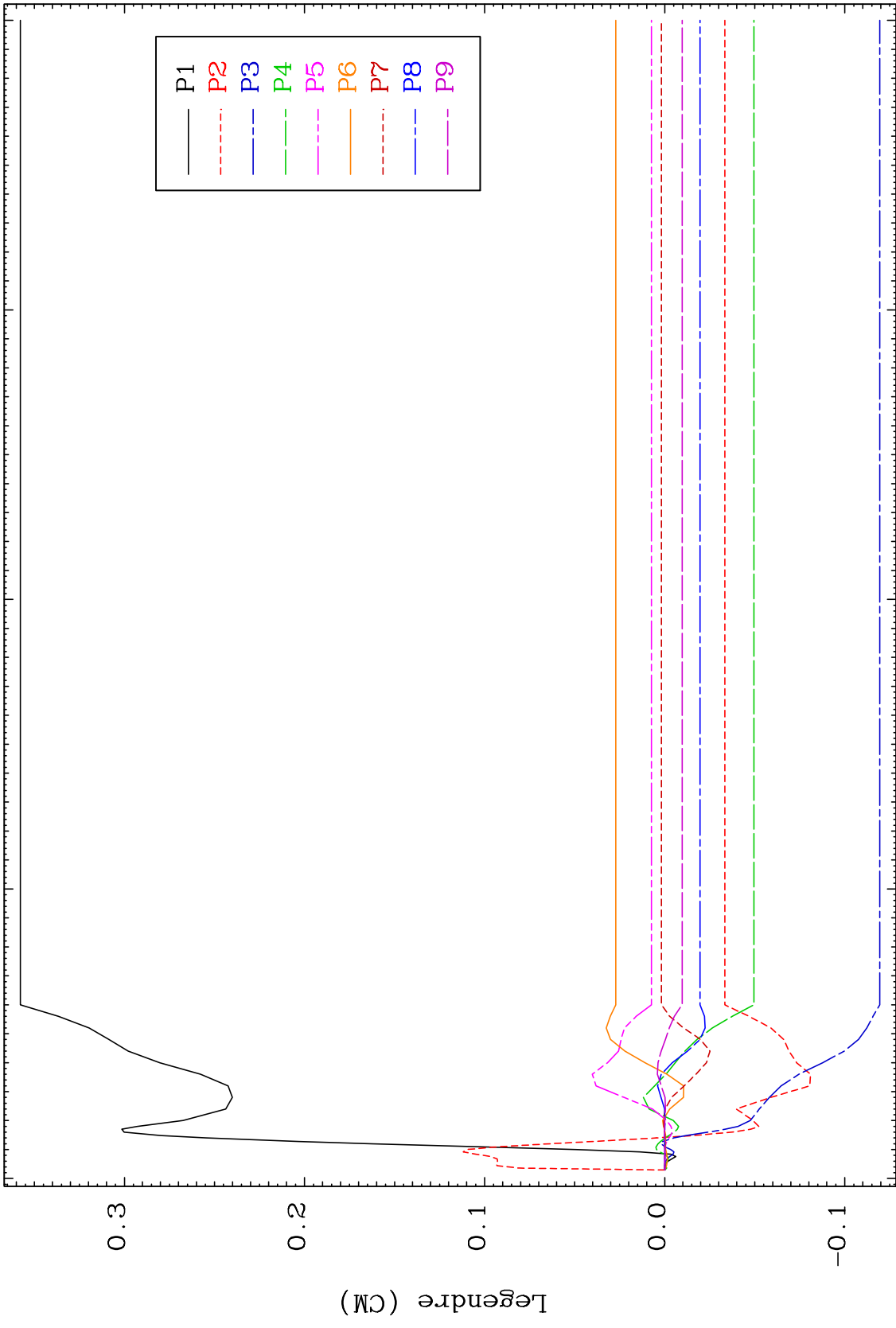


99 80-Hg-195

MAT 8022

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

80-Hg-195



80-Hg-195

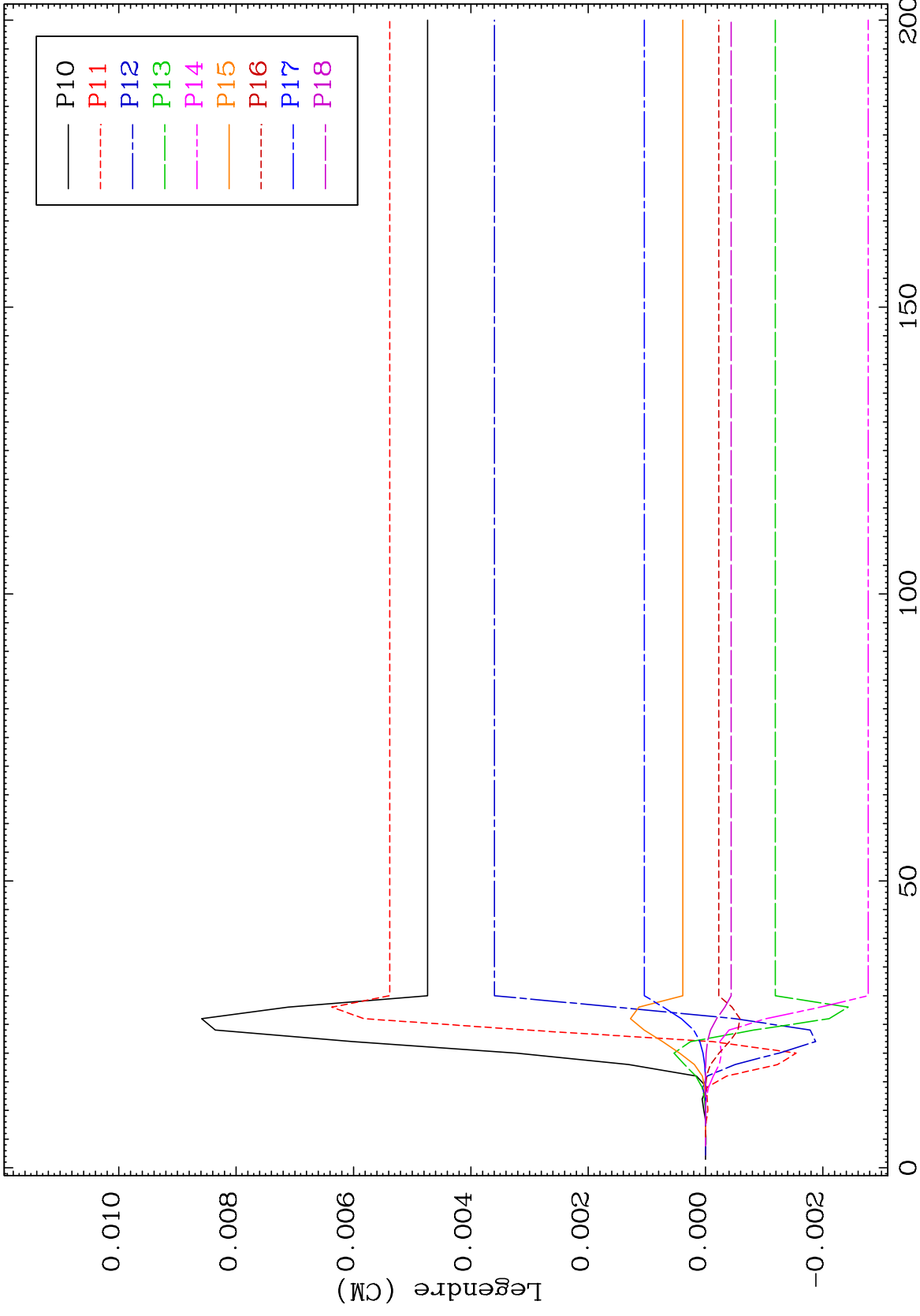
Incident Energy (MeV)

Legendre (CM)

MAT 8022

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

80-Hg-195



101

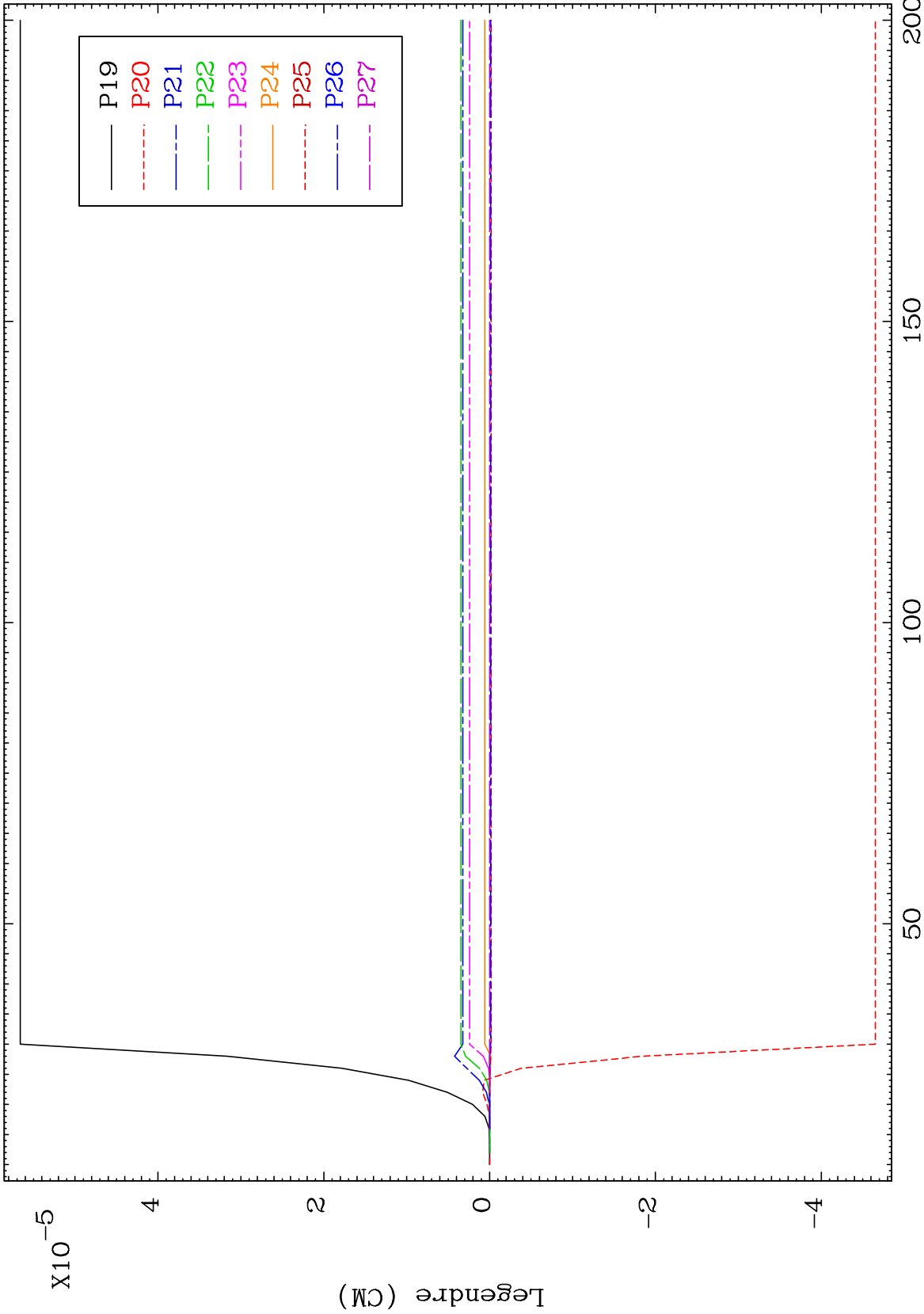
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

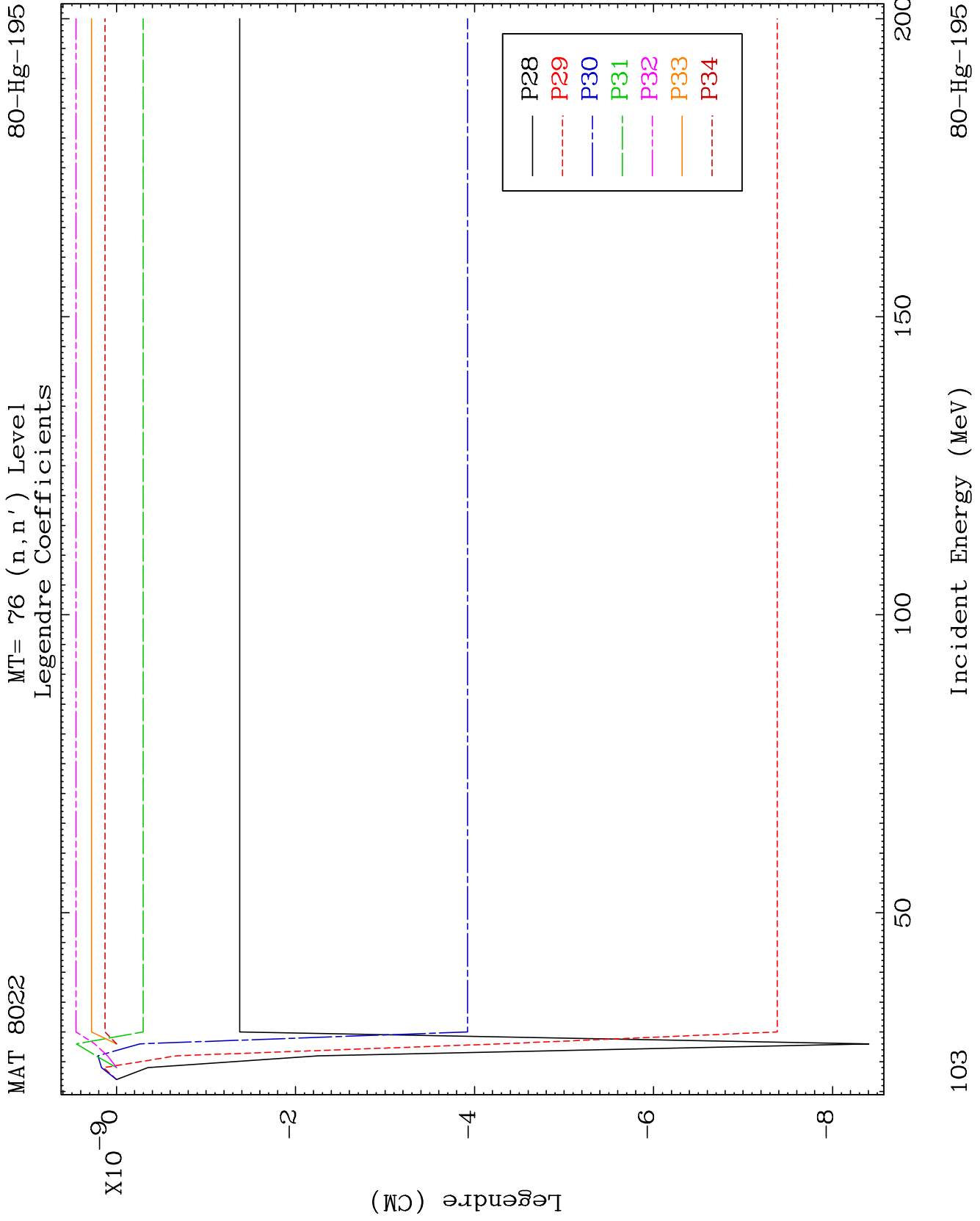
80-Hg-195



102

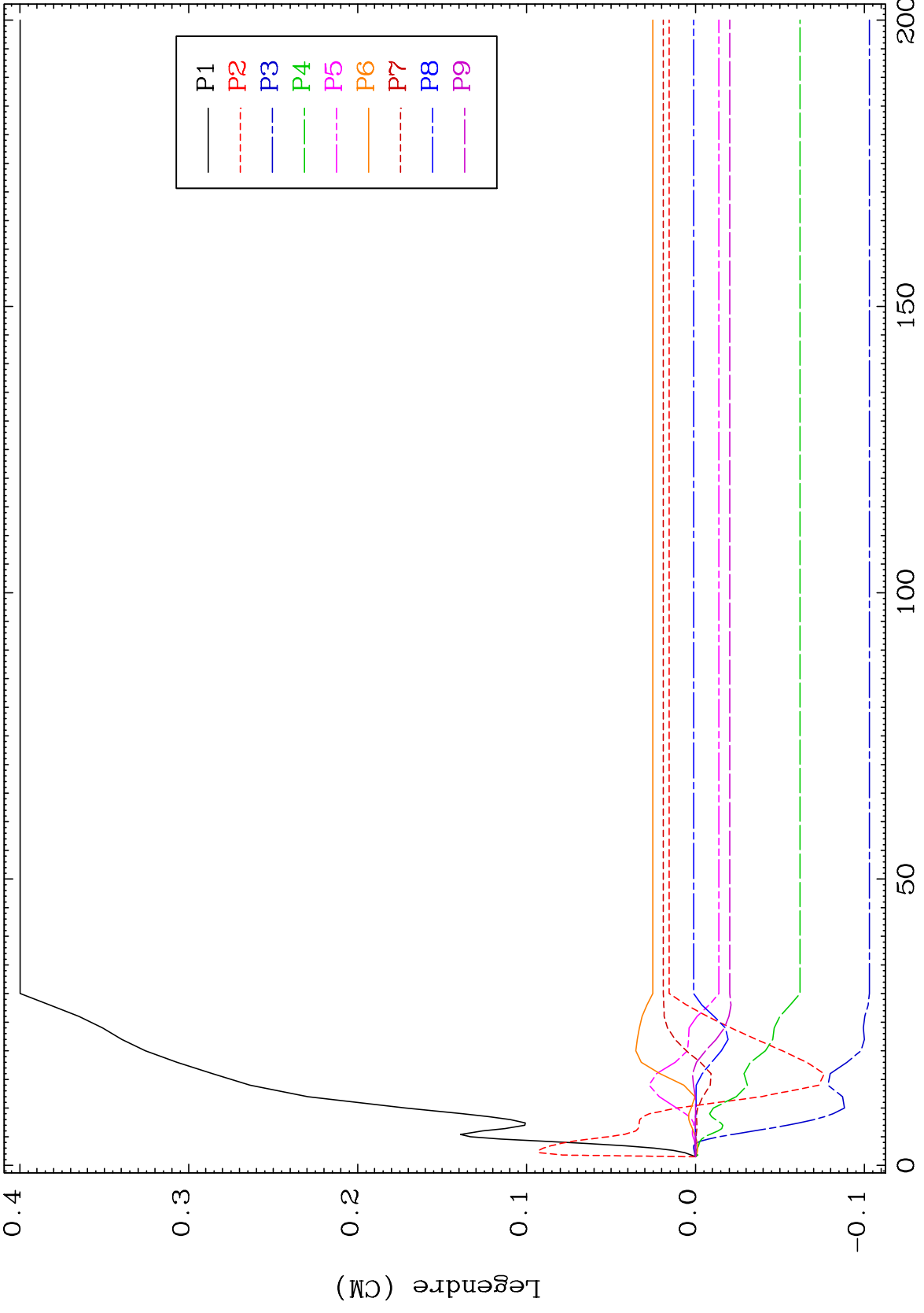
Incident Energy (MeV)

80-Hg-195





MAT 8022 MT= 77 (n,n') Level Legendre Coefficients 80-Hg-195

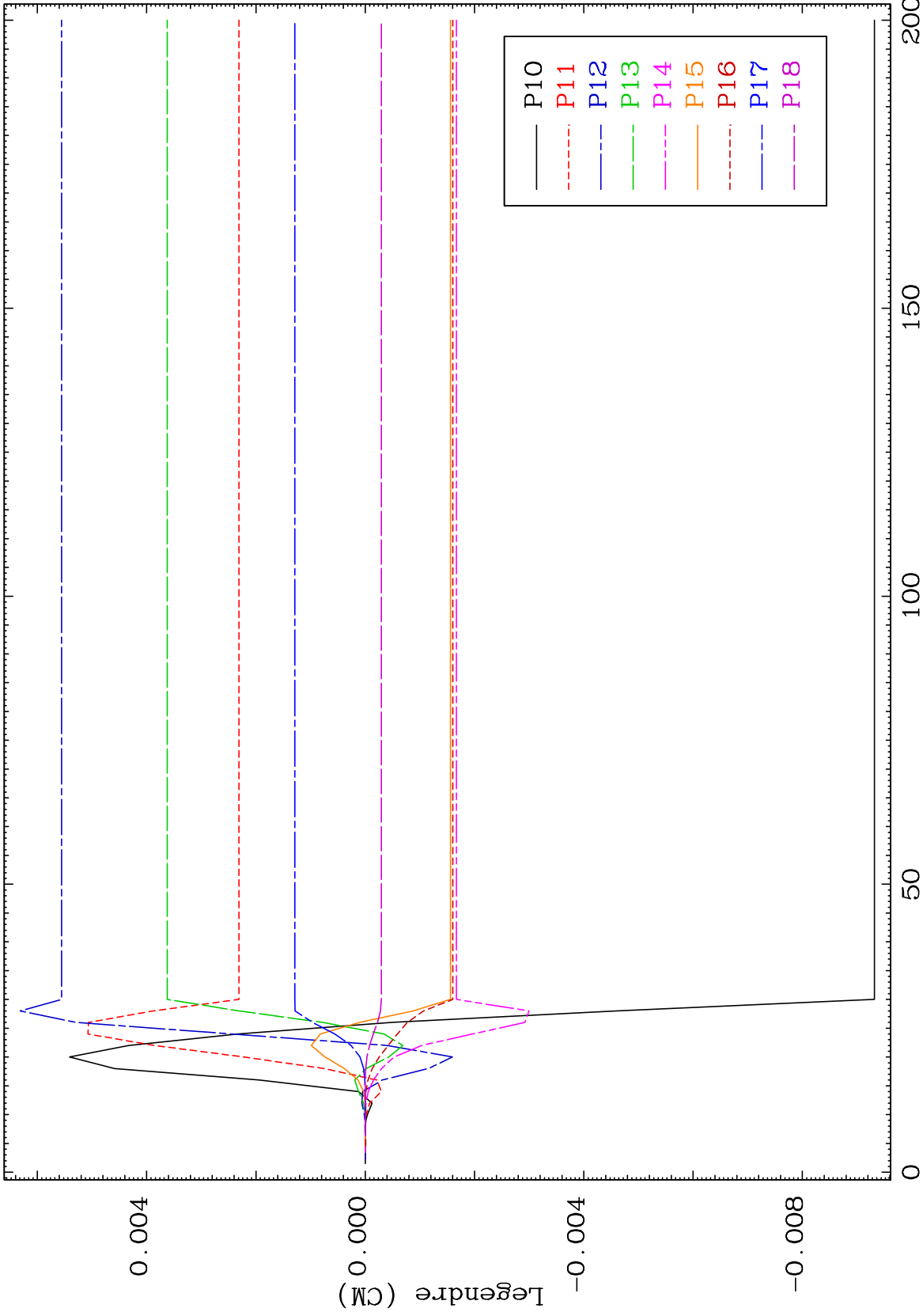


104 80-Hg-195

MAT 8022

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

80-Hg-195



105

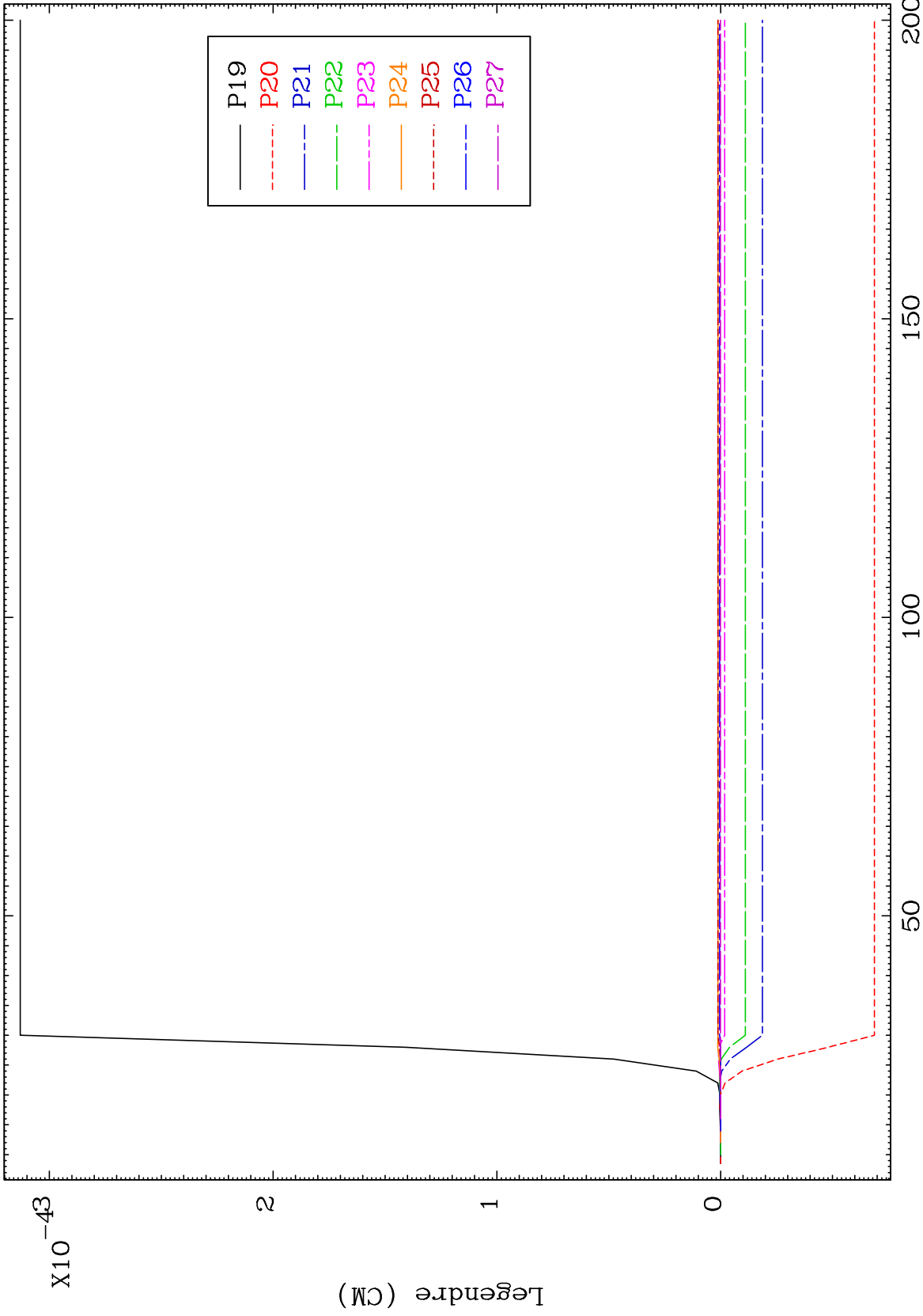
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195



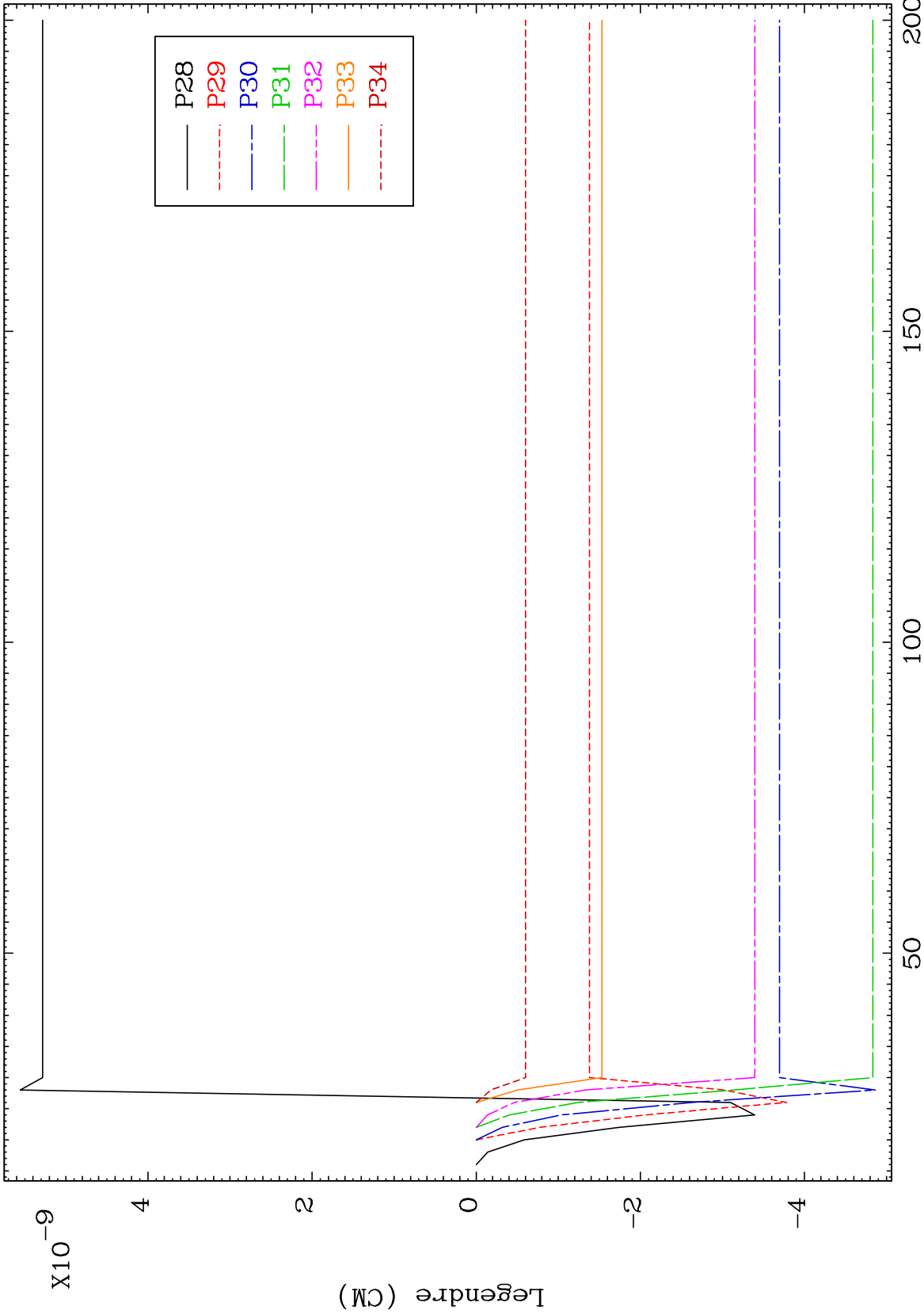
106

80-Hg-195

MAT 8022

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

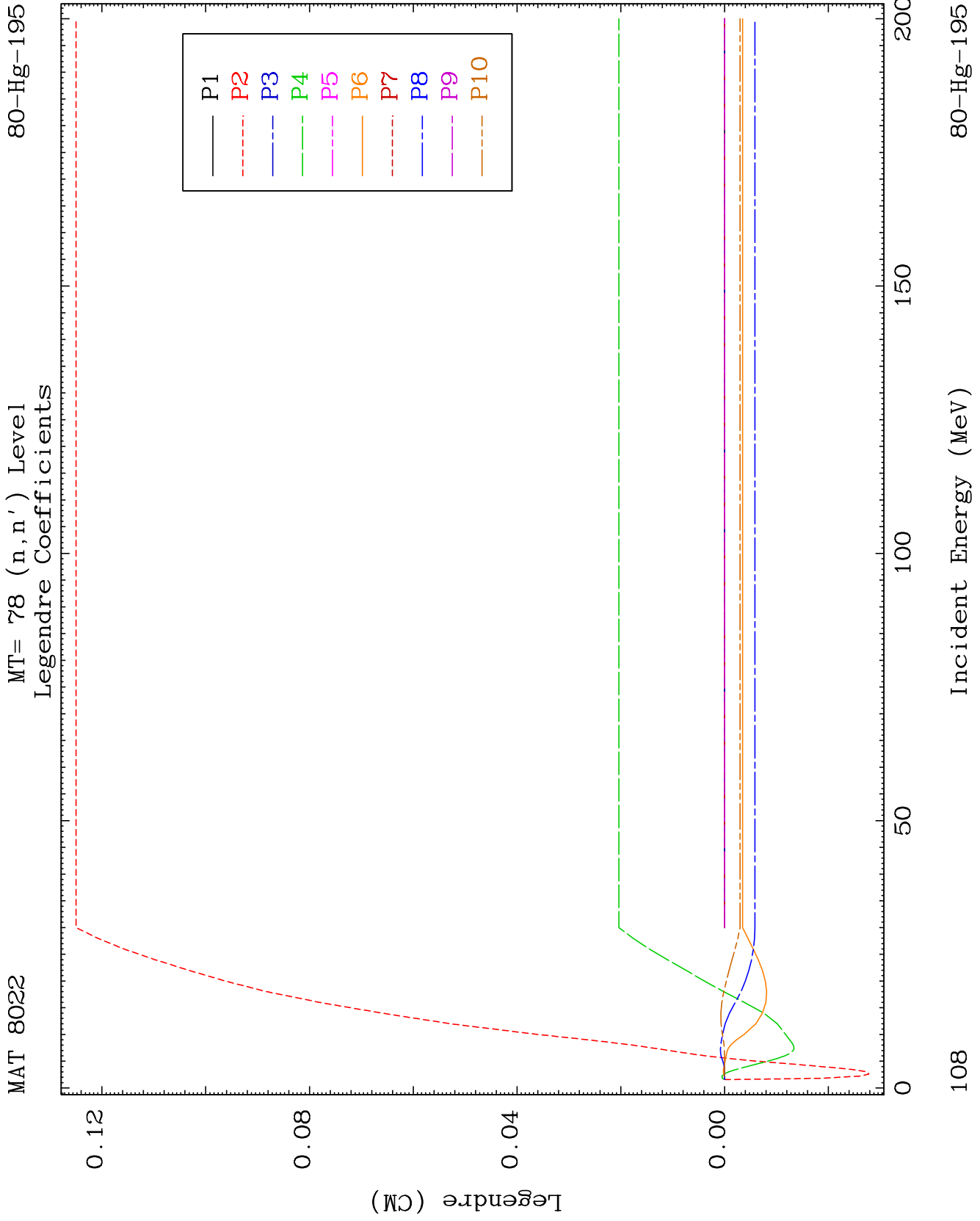
80-Hg-195



107

Incident Energy (MeV)

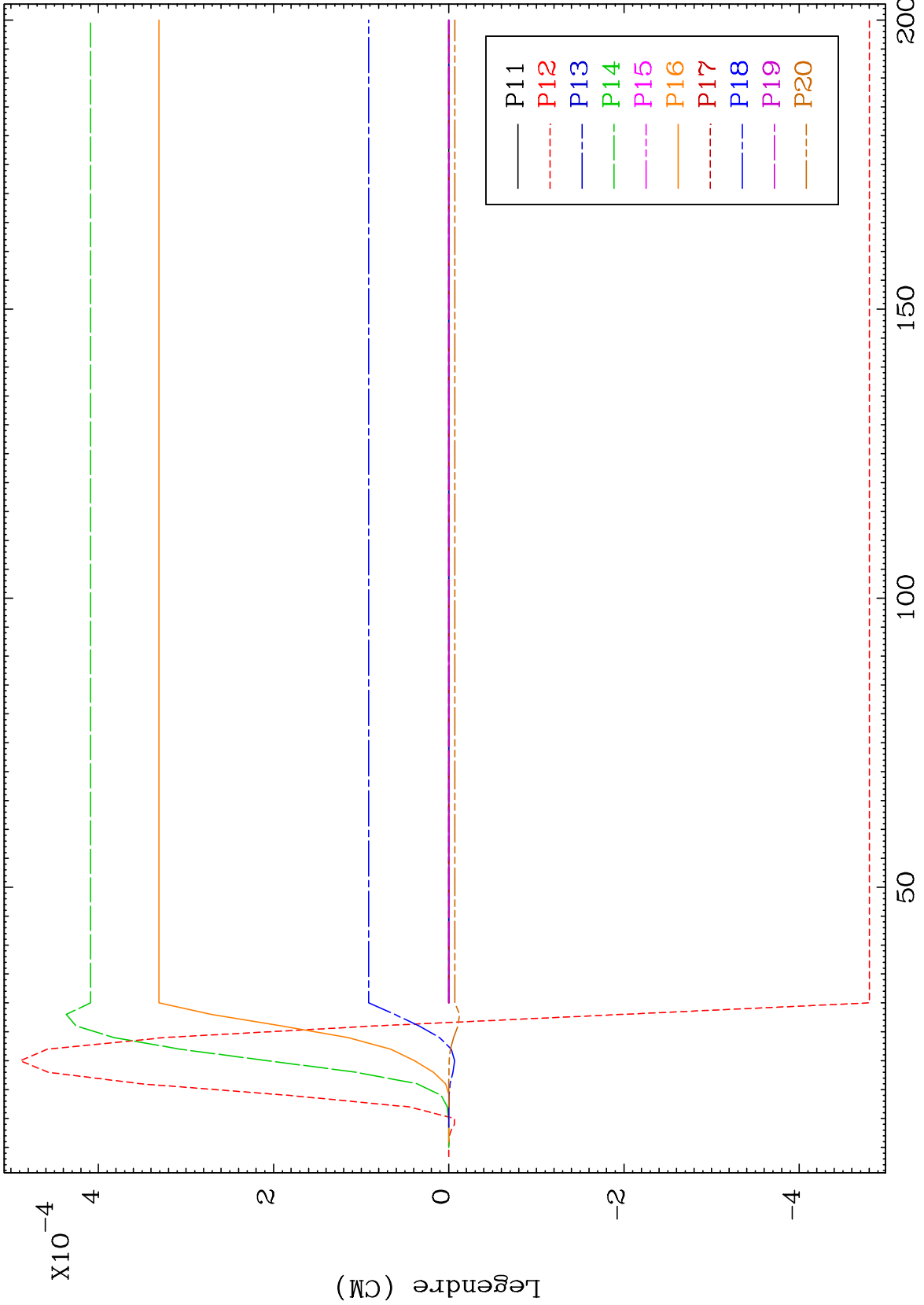
80-Hg-195



MAT 8022

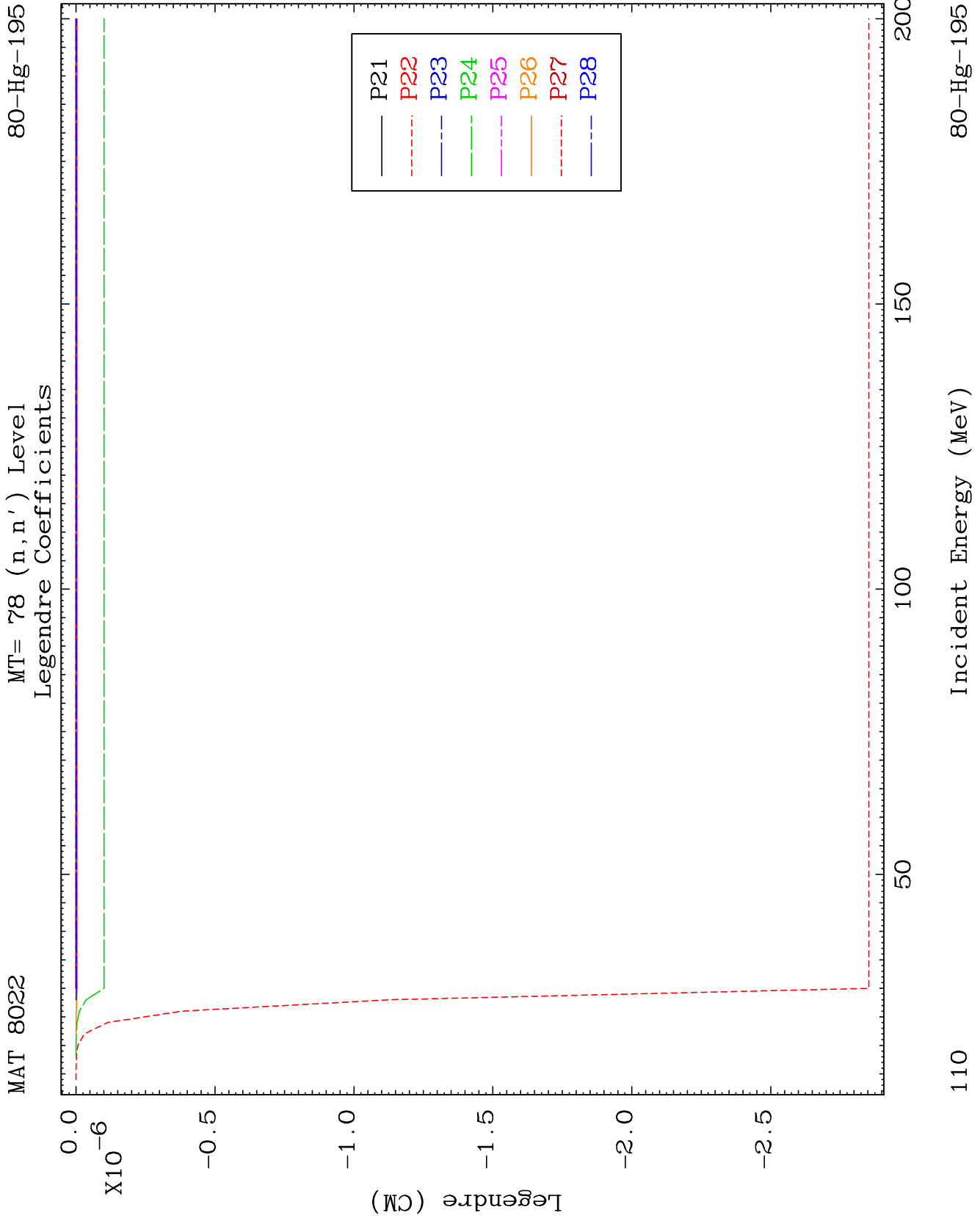
MT= 78 (n,n') Level  
Legendre Coefficients

80-Hg-195



109

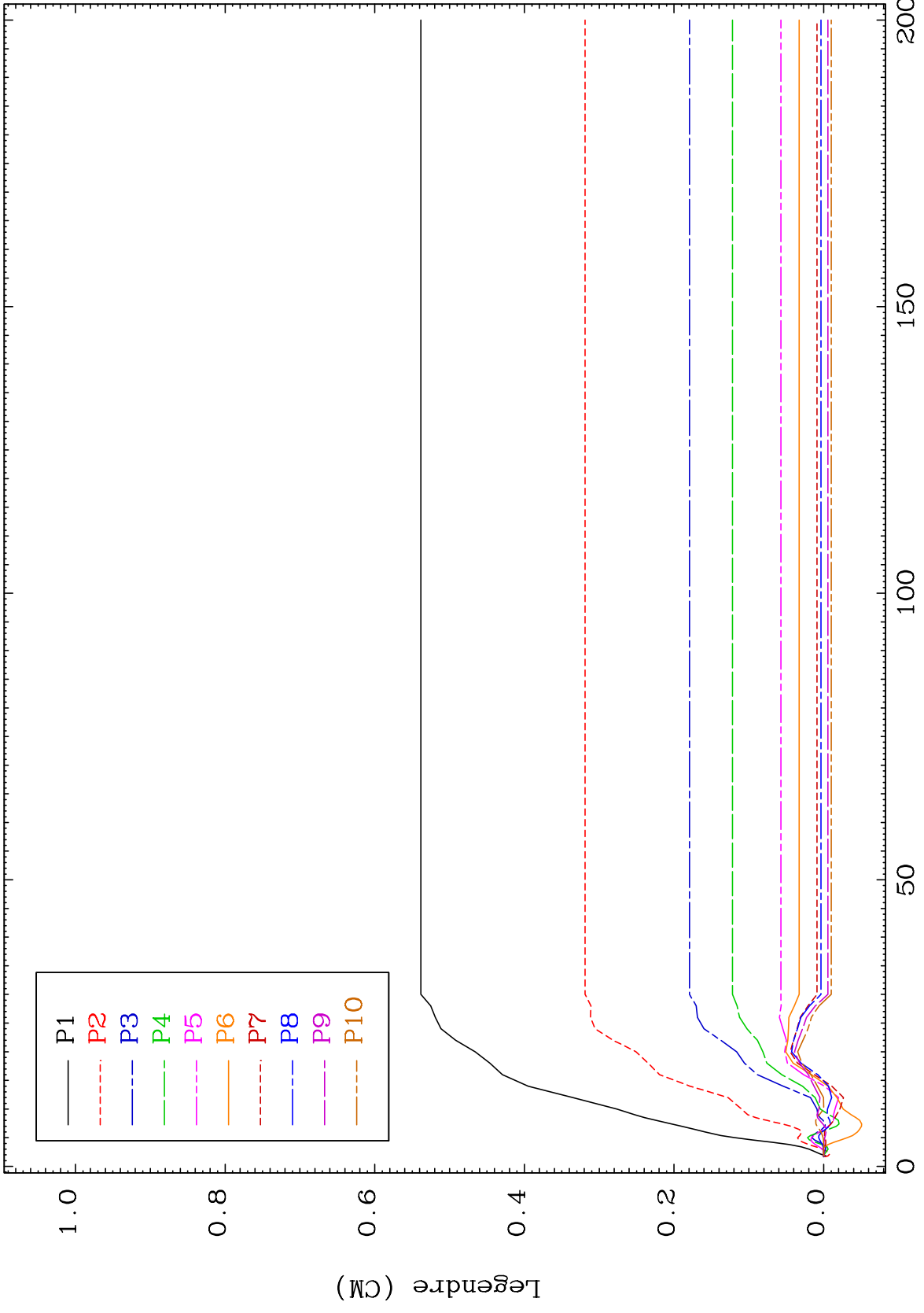
80-Hg-195



MAT 8022

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

80-Hg-195



111

Incident Energy (MeV)

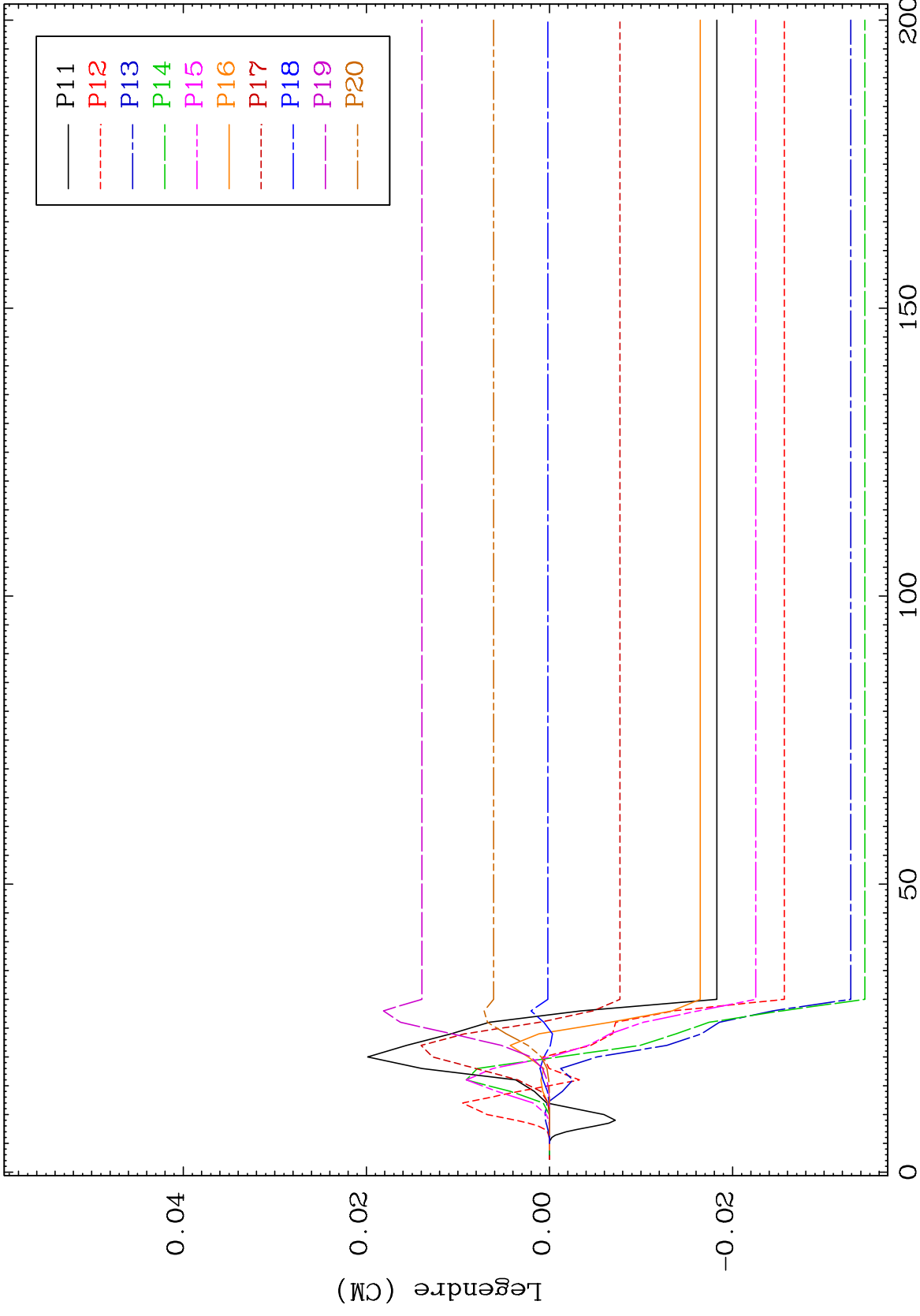
80-Hg-195



MAT 8022

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

80-Hg-195



112

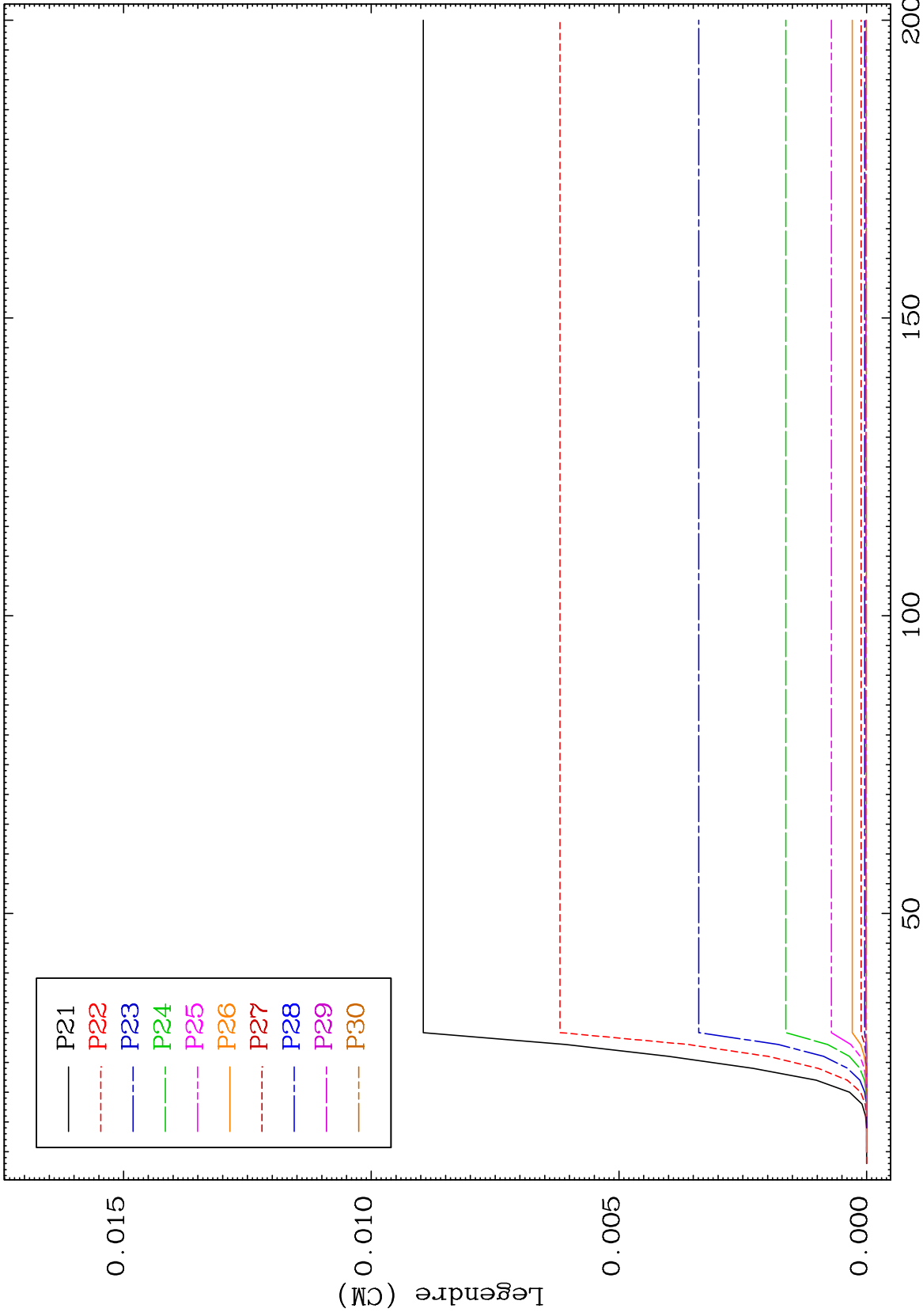
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

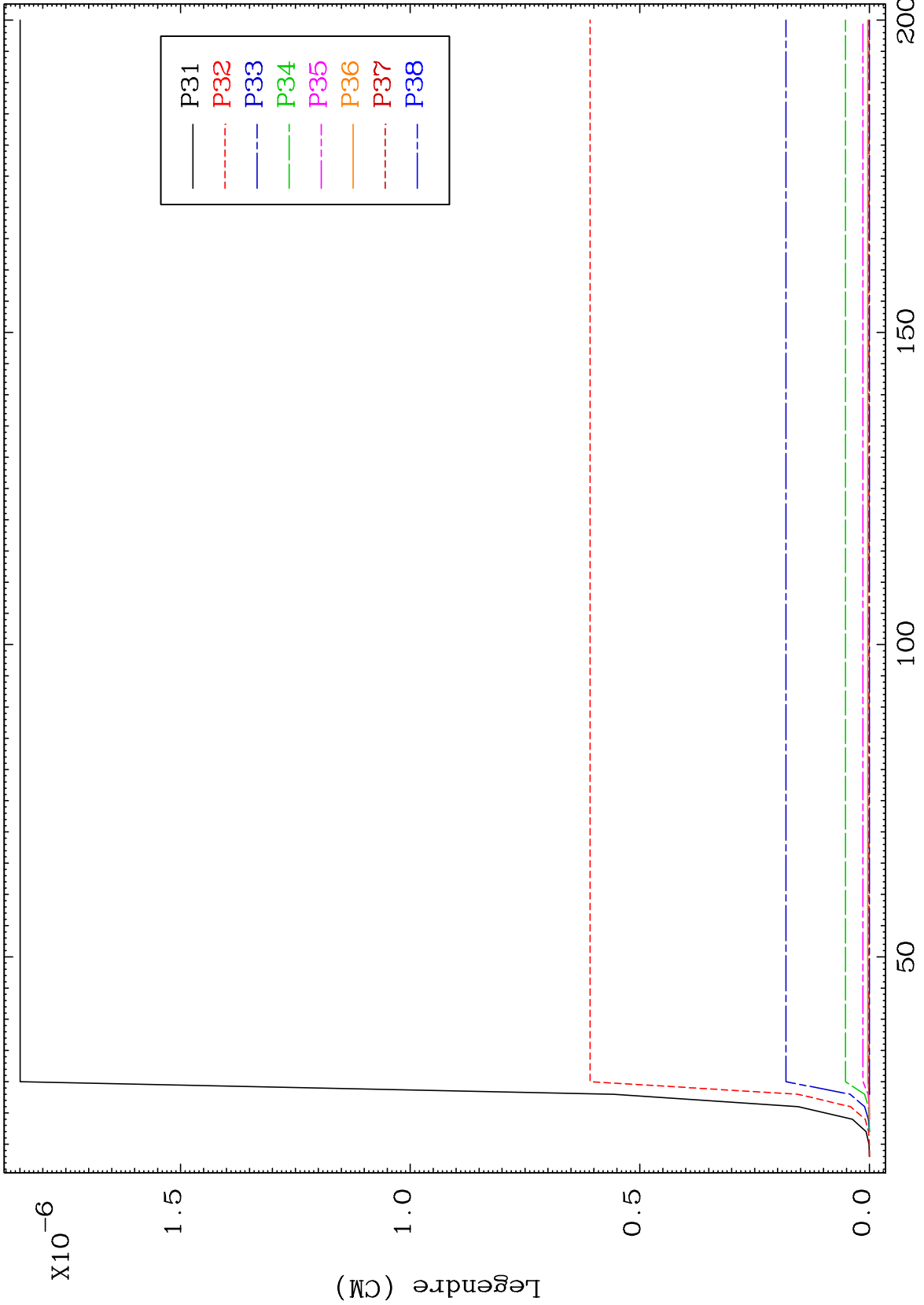
80-Hg-195



MAT 8022

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

80-Hg-195



114

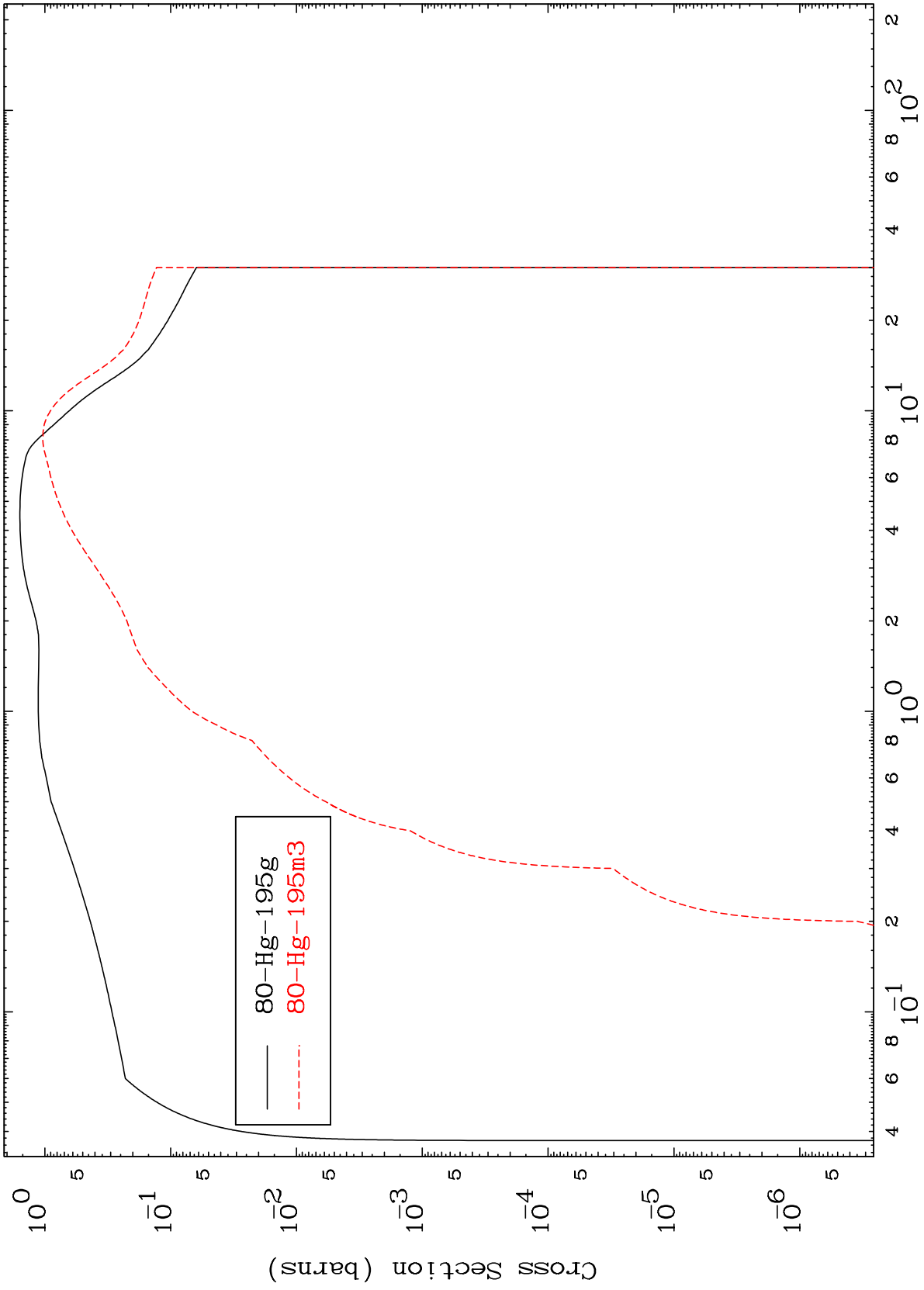
Incident Energy (MeV)

80-Hg-195

MAT 8022

80-Hg-195

Inelastic  
Radionuclide Production Cross Section



115

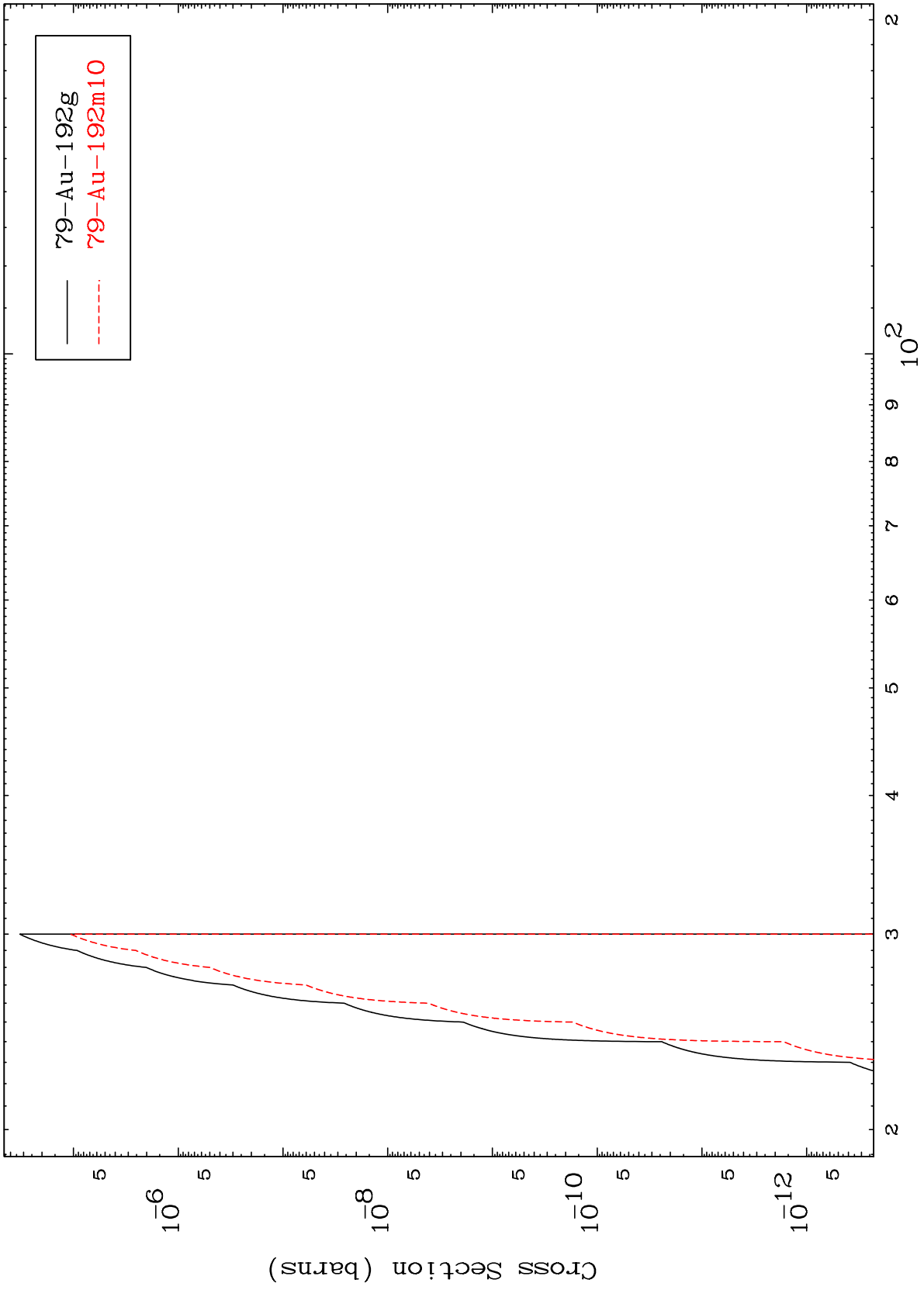
80-Hg-195

MAT 8022

(n,2n) d

80-Hg-195

Radionuclide Production Cross Section



116

Incident Energy (MeV)

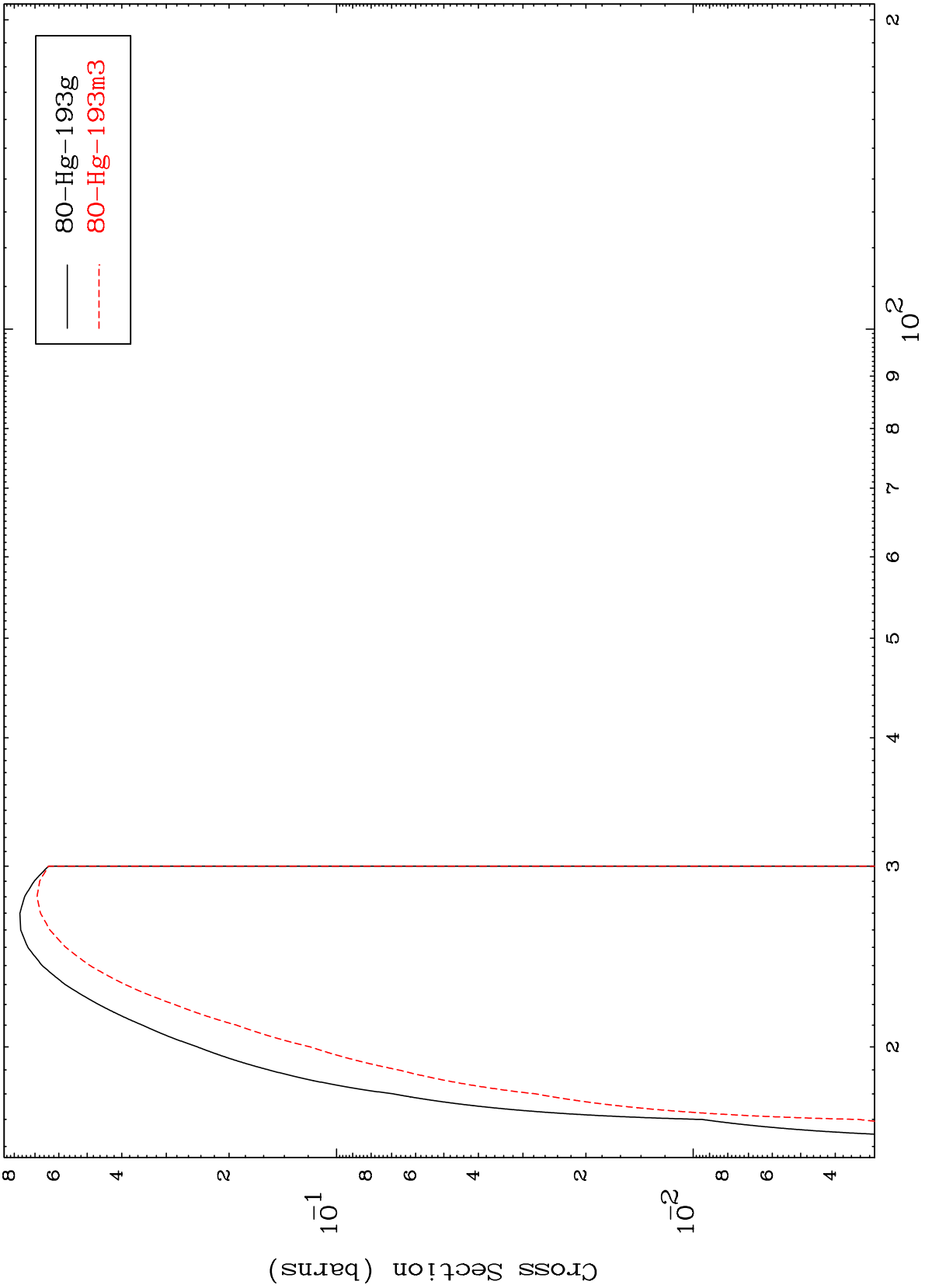
80-Hg-195

MAT 8022

(n,3n)

80-Hg-195

Radionuclide Production Cross Section



117

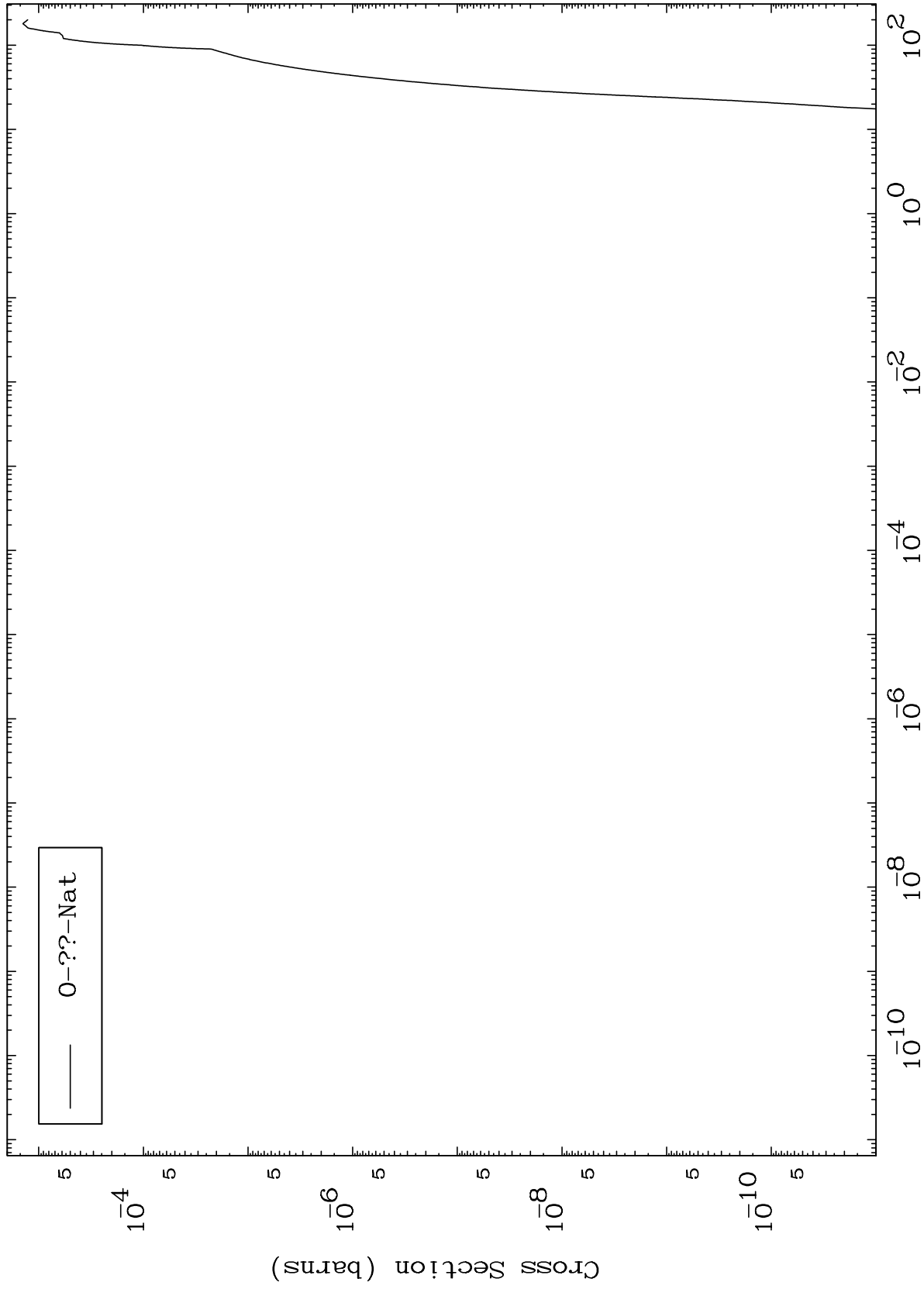
Incident Energy (MeV)

80-Hg-195

MAT 8022

Fission  
Radionuclide Production Cross Section

80-Hg-195



118

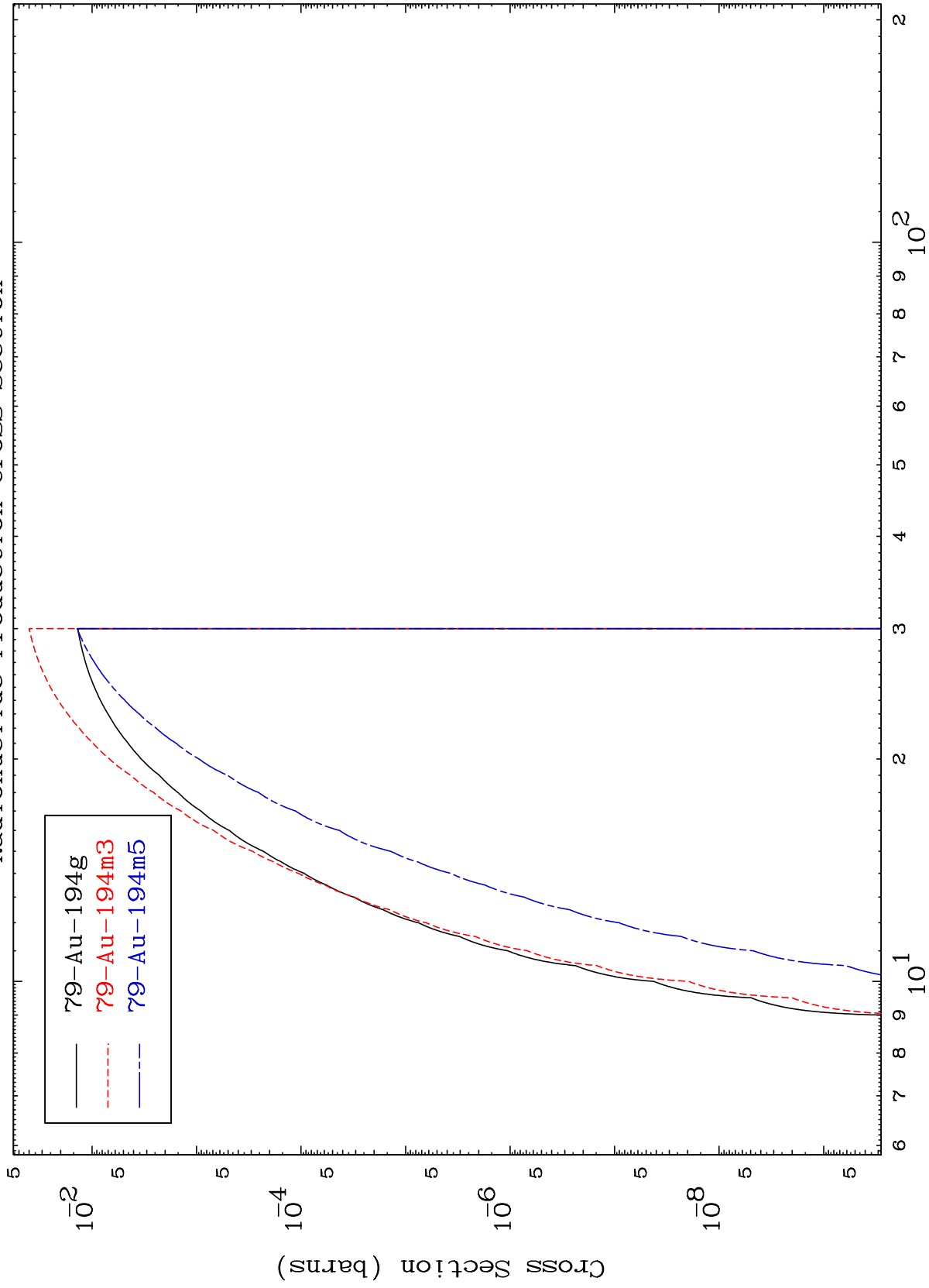
Incident Energy (MeV)

80-Hg-195

MAT 8022

80-Hg-195

(n,n') p  
Radionuclide Production Cross Section



119

Incident Energy (MeV)

80-Hg-195

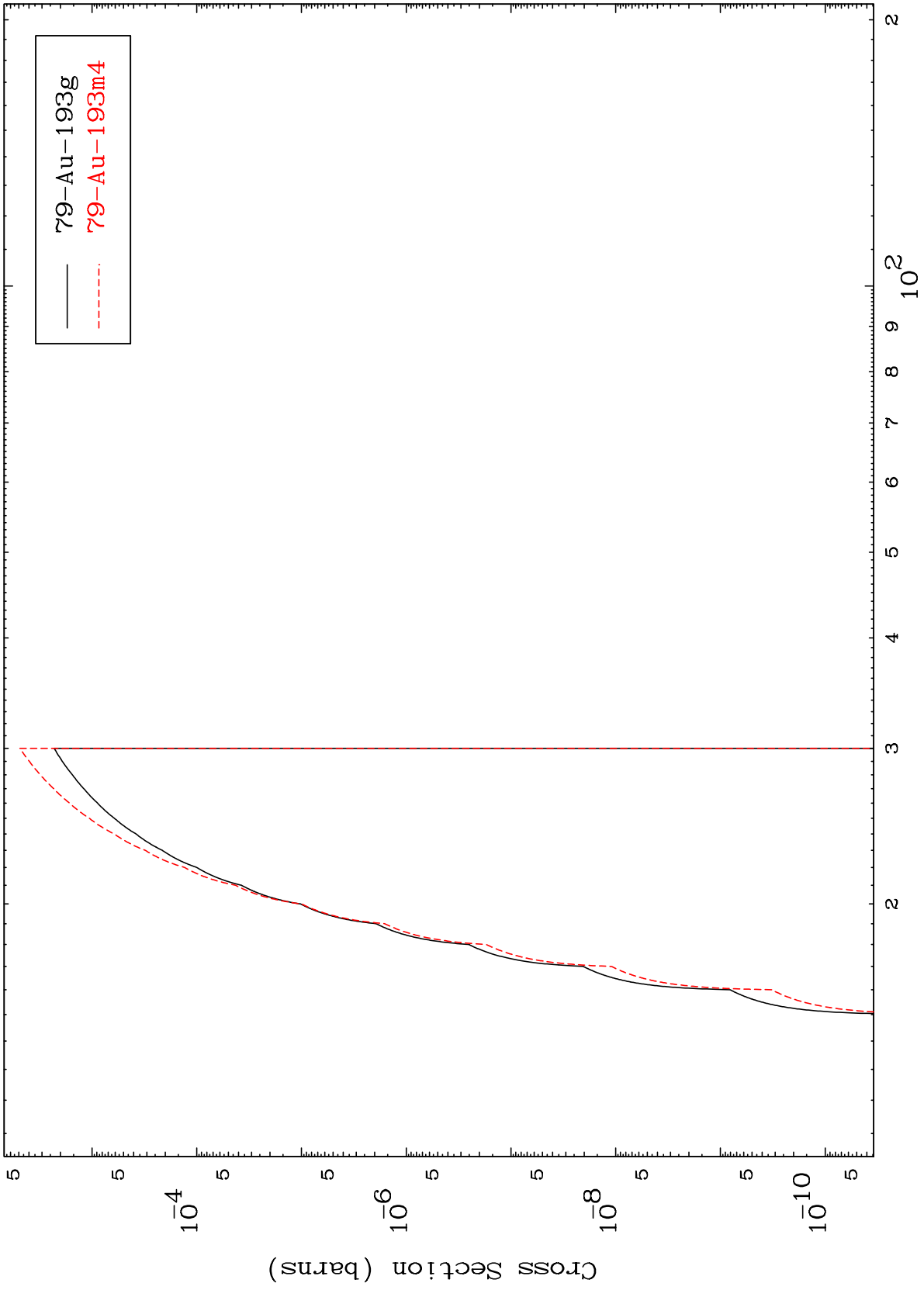


MAT 8022

(n,n') d

80-Hg-195

Radionuclide Production Cross Section



120

Incident Energy (MeV)

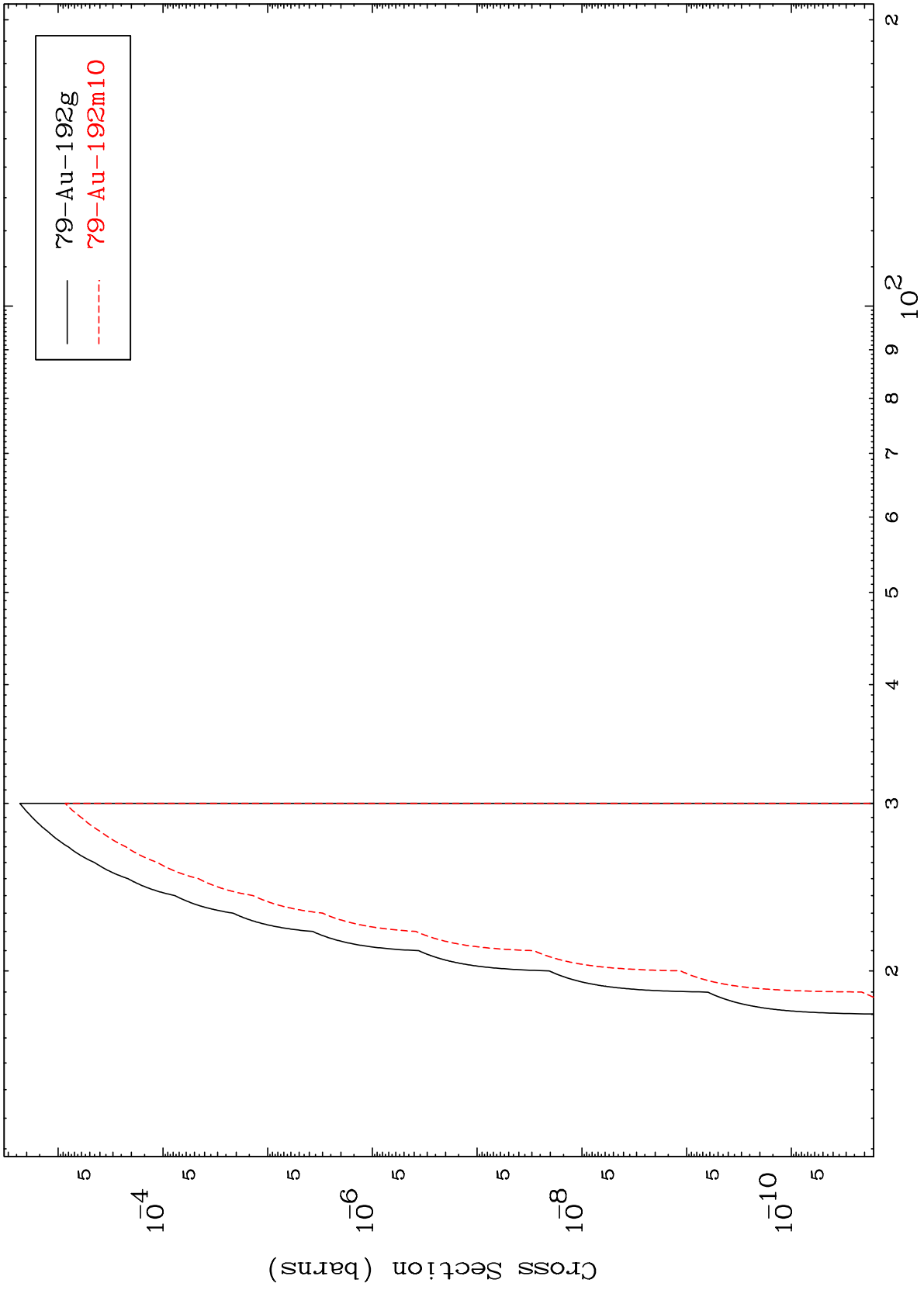
80-Hg-195

MAT 8022

(n,n') t

80-Hg-195

Radionuclide Production Cross Section



121

Incident Energy (MeV)

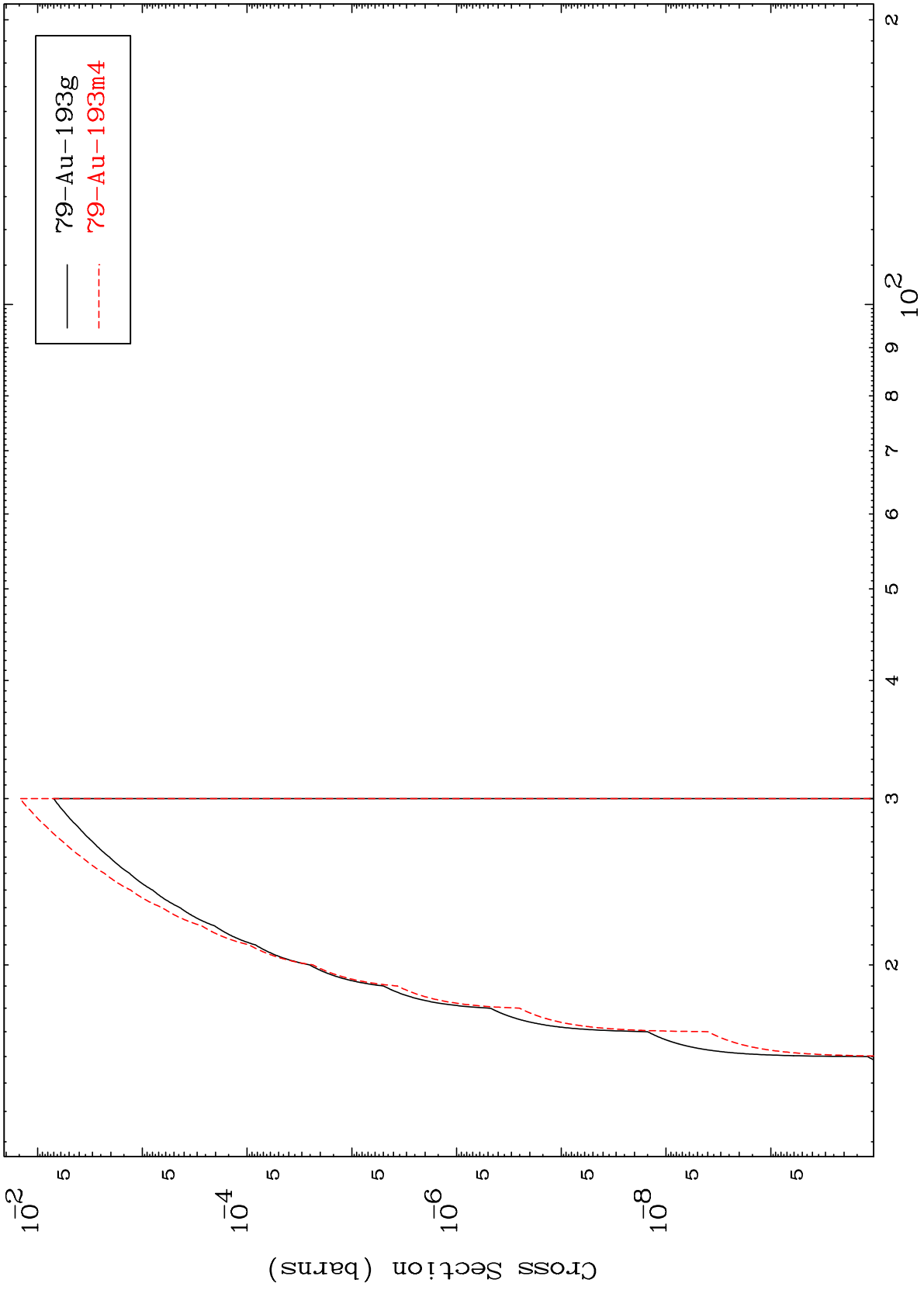
80-Hg-195

MAT 8022

(n,2n) p

80-Hg-195

Radionuclide Production Cross Section



122

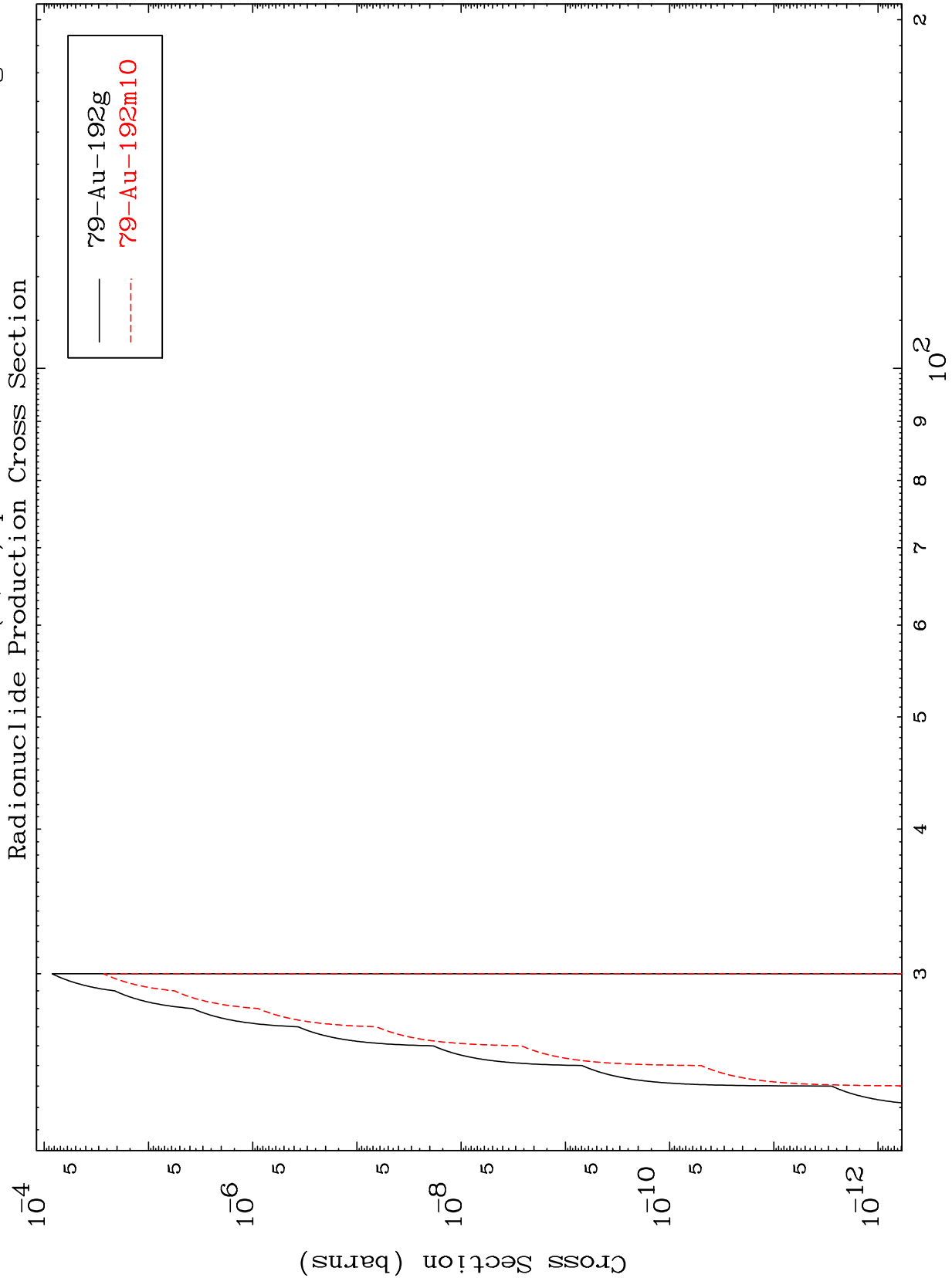
Incident Energy (MeV)

80-Hg-195

MAT 8022

(n,3n) p

80-Hg-195



123

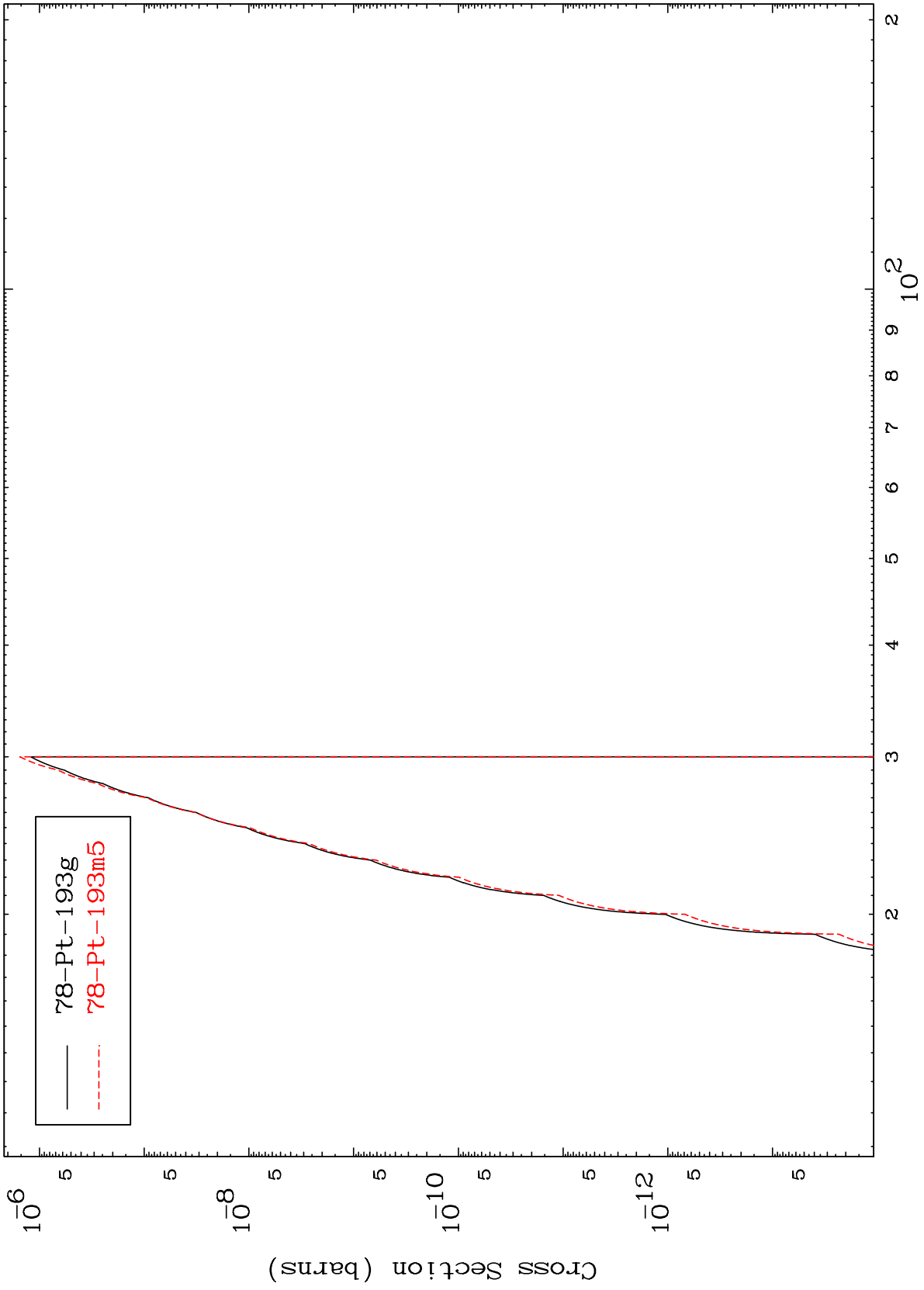
80-Hg-195

MAT 8022

(n,2n) p

80-Hg-195

Radionuclide Production Cross Section



124

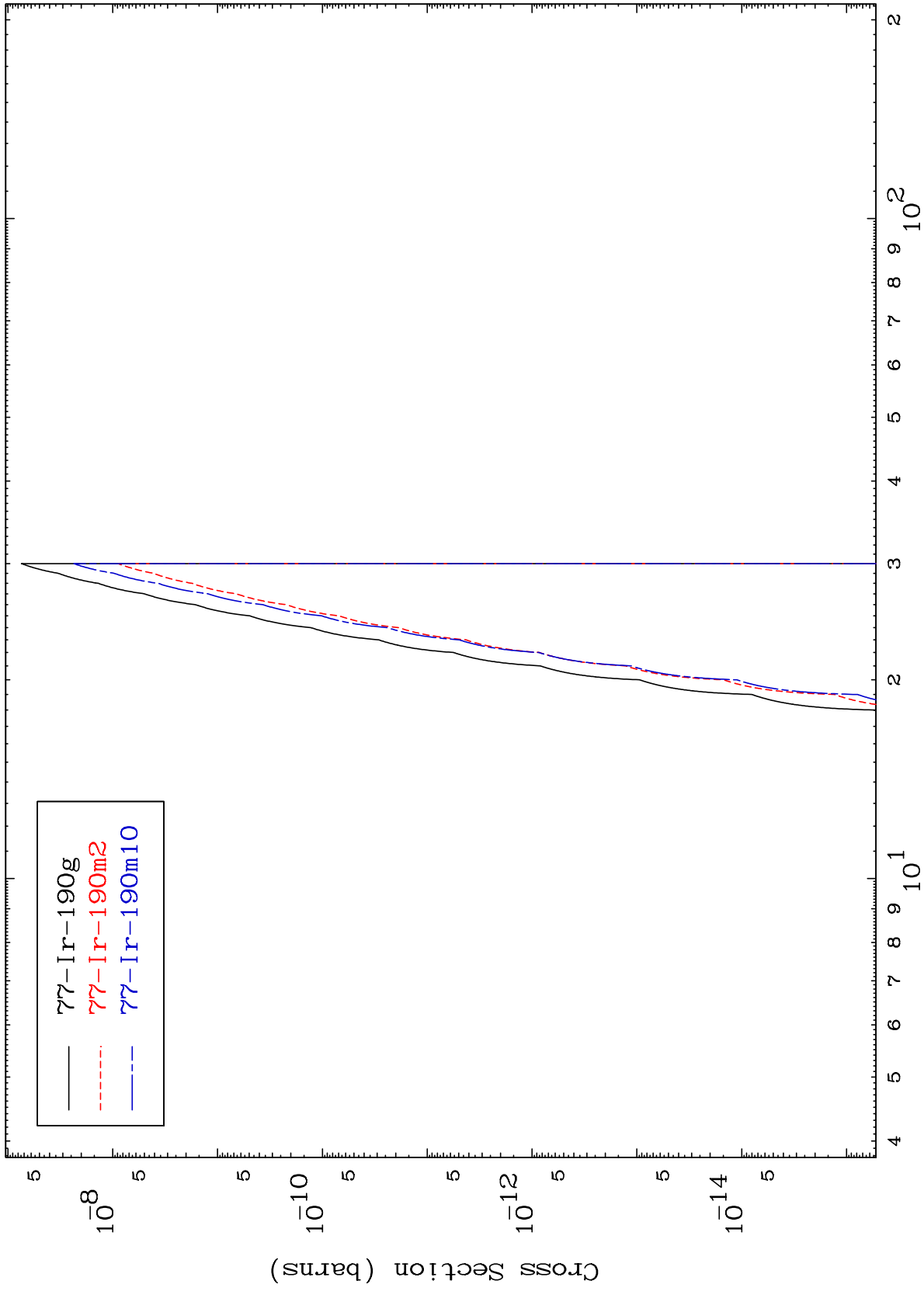
Incident Energy (MeV)

80-Hg-195

MAT 8022

80-Hg-195

(n,n') p  $\alpha$   
Radionuclide Production Cross Section



125

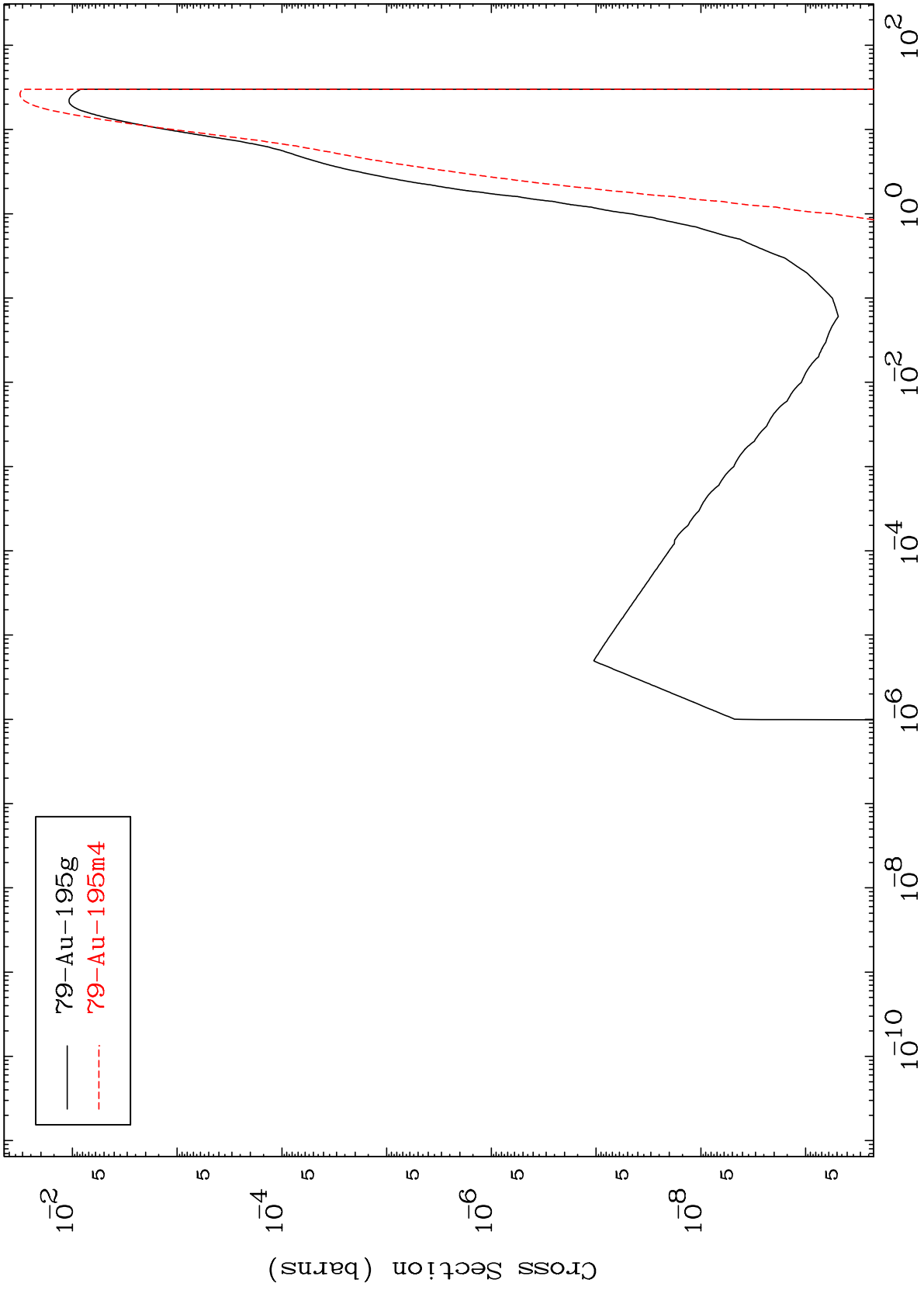
Incident Energy (MeV)

80-Hg-195

MAT 8022

(n,p)  
Radionuclide Production Cross Section

80-Hg-195

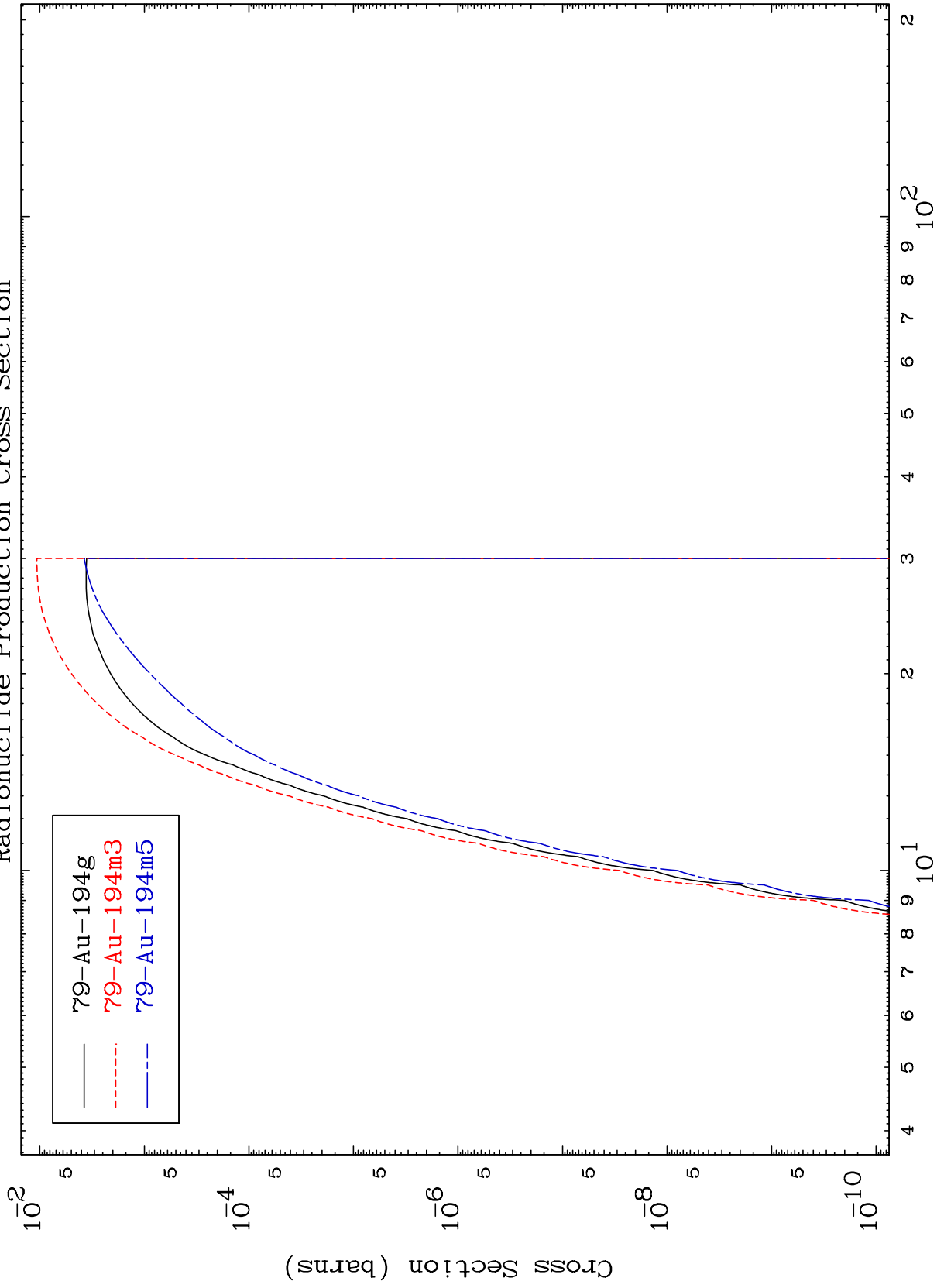


80-Hg-195

MAT 8022

80-Hg-195

(n,d)  
Radionuclide Production Cross Section



127

Incident Energy (MeV)

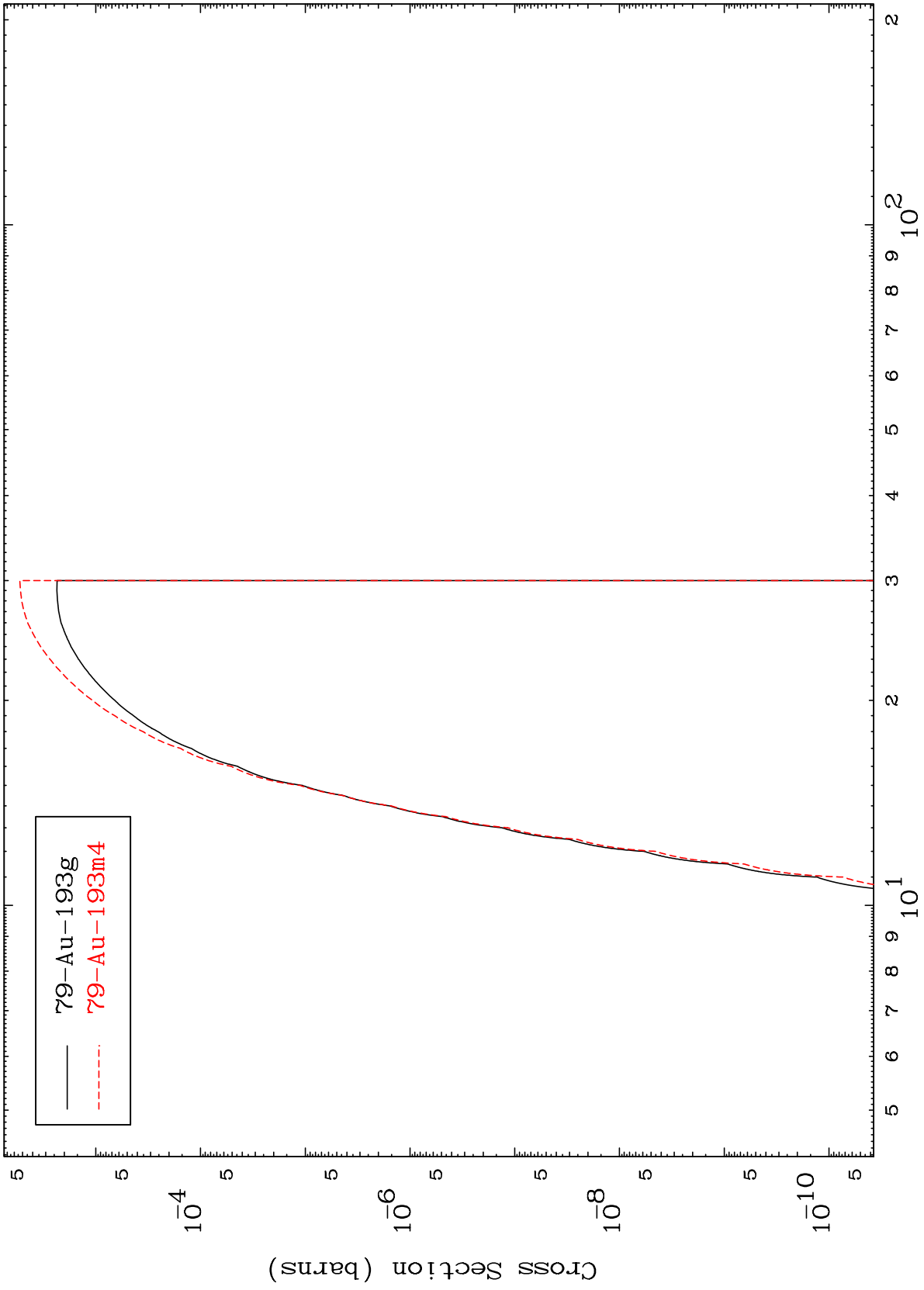
80-Hg-195



MAT 8022

80-Hg-195

(n, t)  
Radionuclide Production Cross Section



128

Incident Energy (MeV)

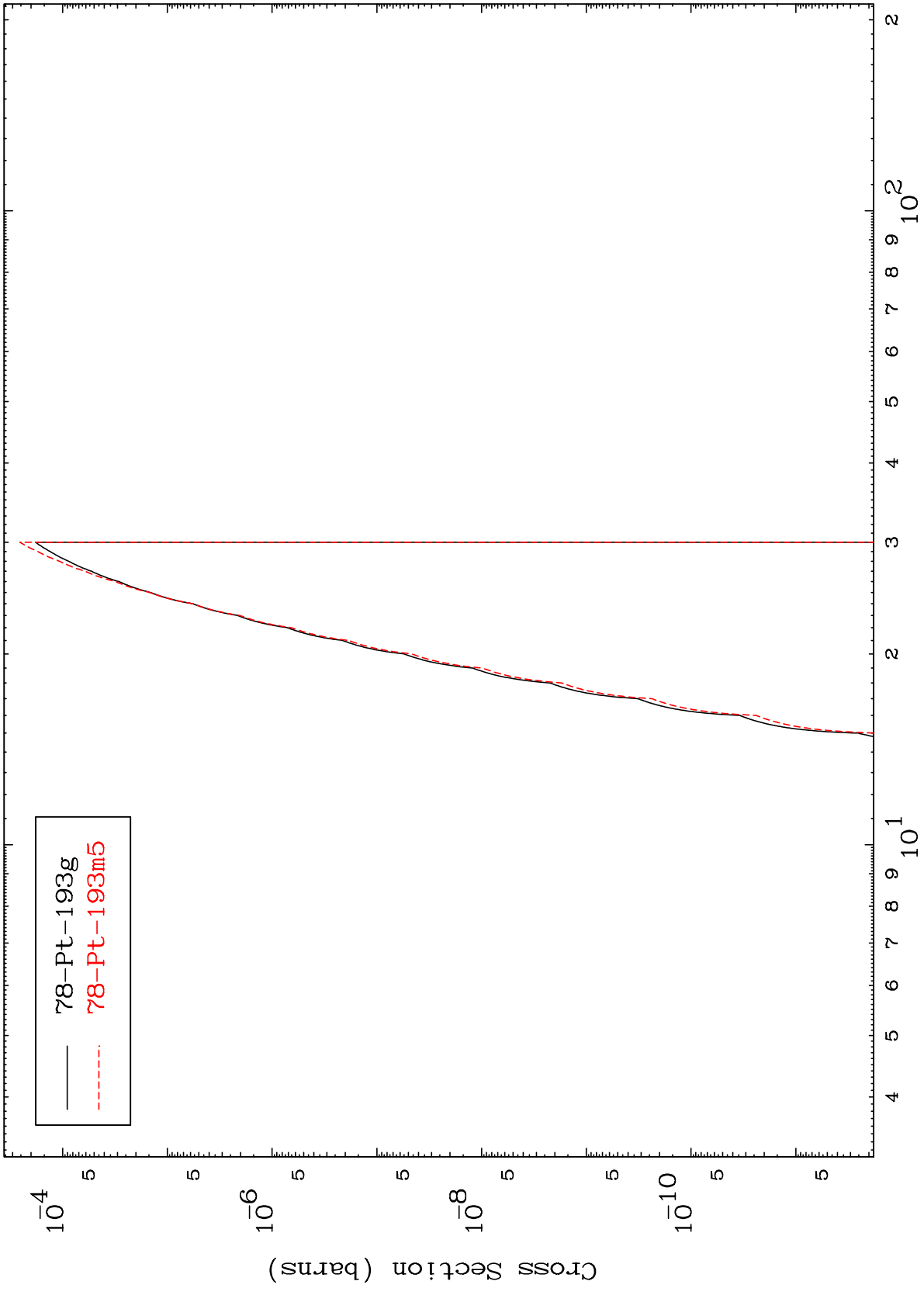
80-Hg-195

MAT 8022

(n, He-3)

80-Hg-195

Radionuclide Production Cross Section



78-Pt-193g  
78-Pt-193m5

129

Incident Energy (MeV)

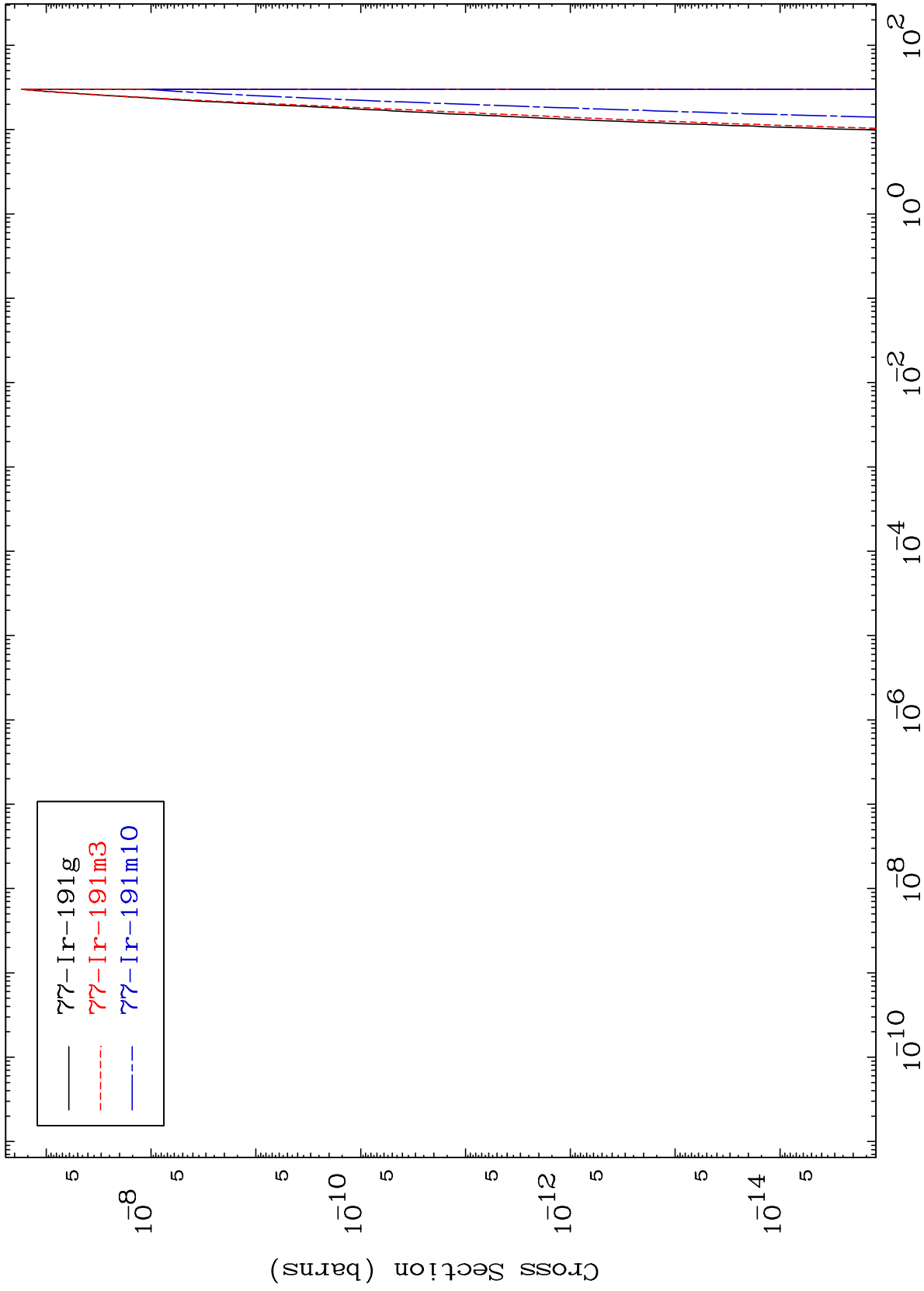
80-Hg-195

MAT 8022

(n,p)  $\alpha$

80-Hg-195

Radionuclide Production Cross Section



130

Incident Energy (MeV)

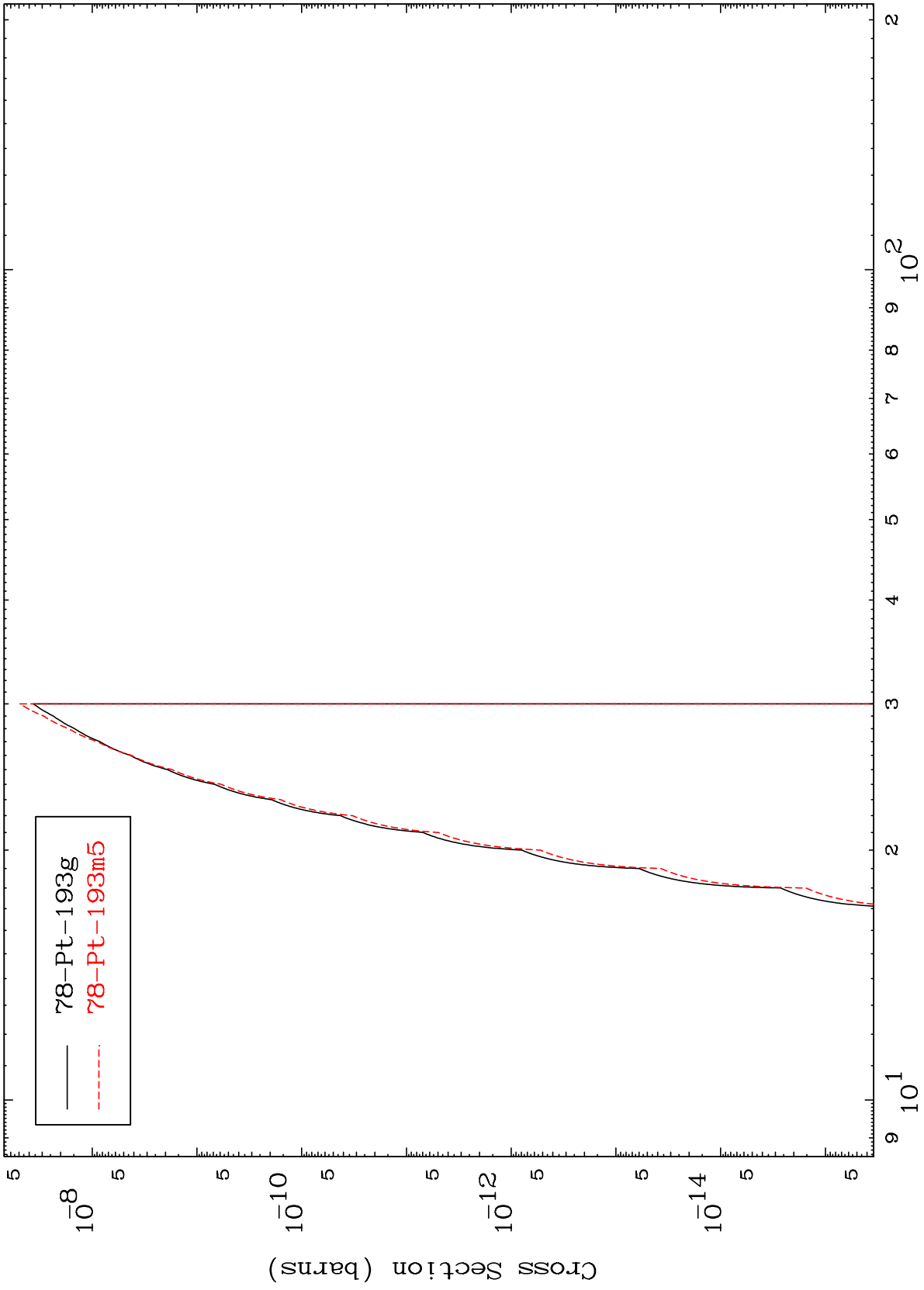
80-Hg-195

MAT 8022

(n,p) d

80-Hg-195

Radionuclide Production Cross Section



78-Pt-193g  
78-Pt-193m5

131

Incident Energy (MeV)

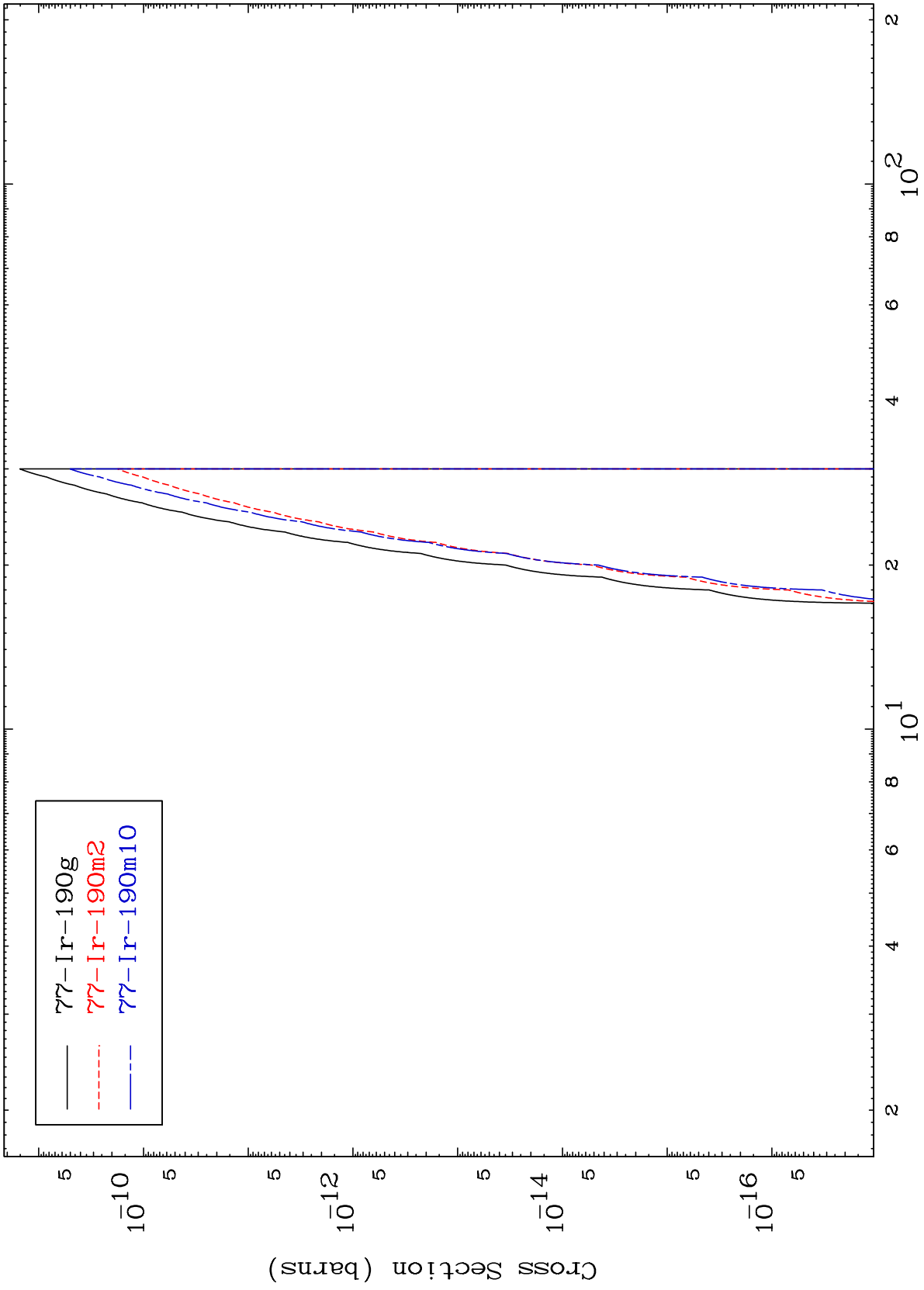
80-Hg-195

MAT 8022

(n,d)  $\alpha$

80-Hg-195

Radionuclide Production Cross Section



132

Incident Energy (MeV)

80-Hg-195