

Program EVALPLOT
(Version 2015-2)

by

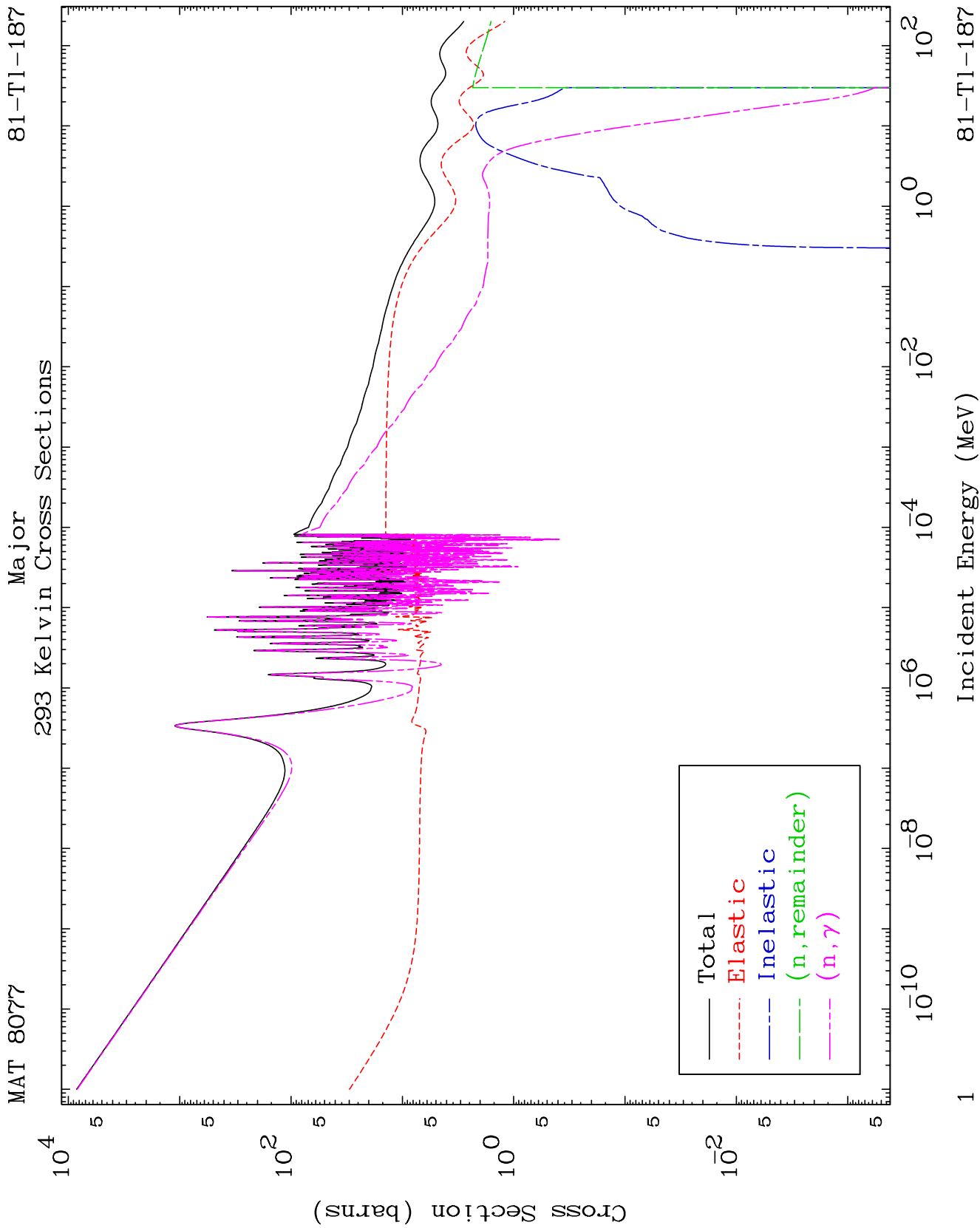
Dermott E. Cullen
(Present Contact Information)

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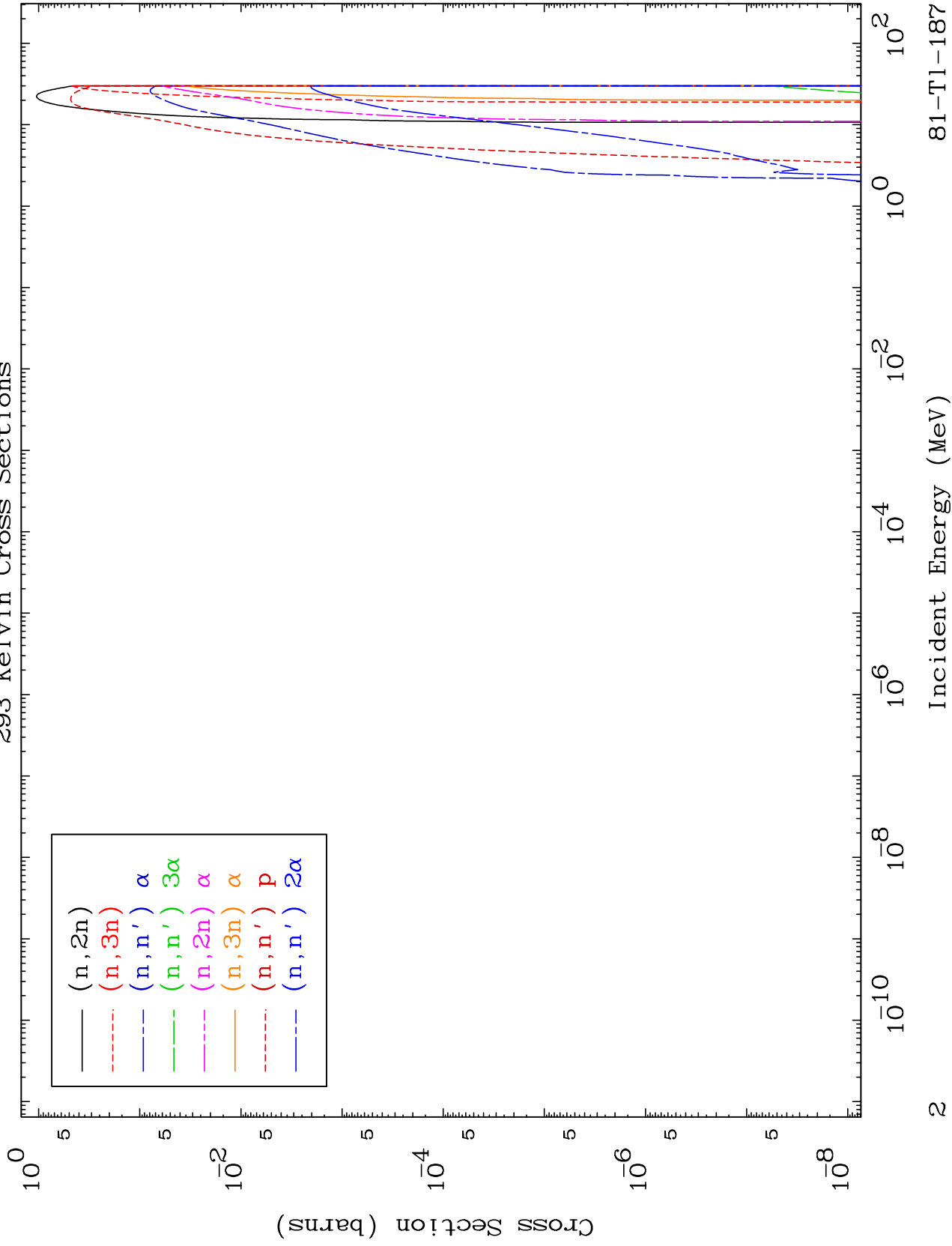
Press Mouse Button to Start



MAT 8077

Neutron Production
293 Kelvin Cross Sections

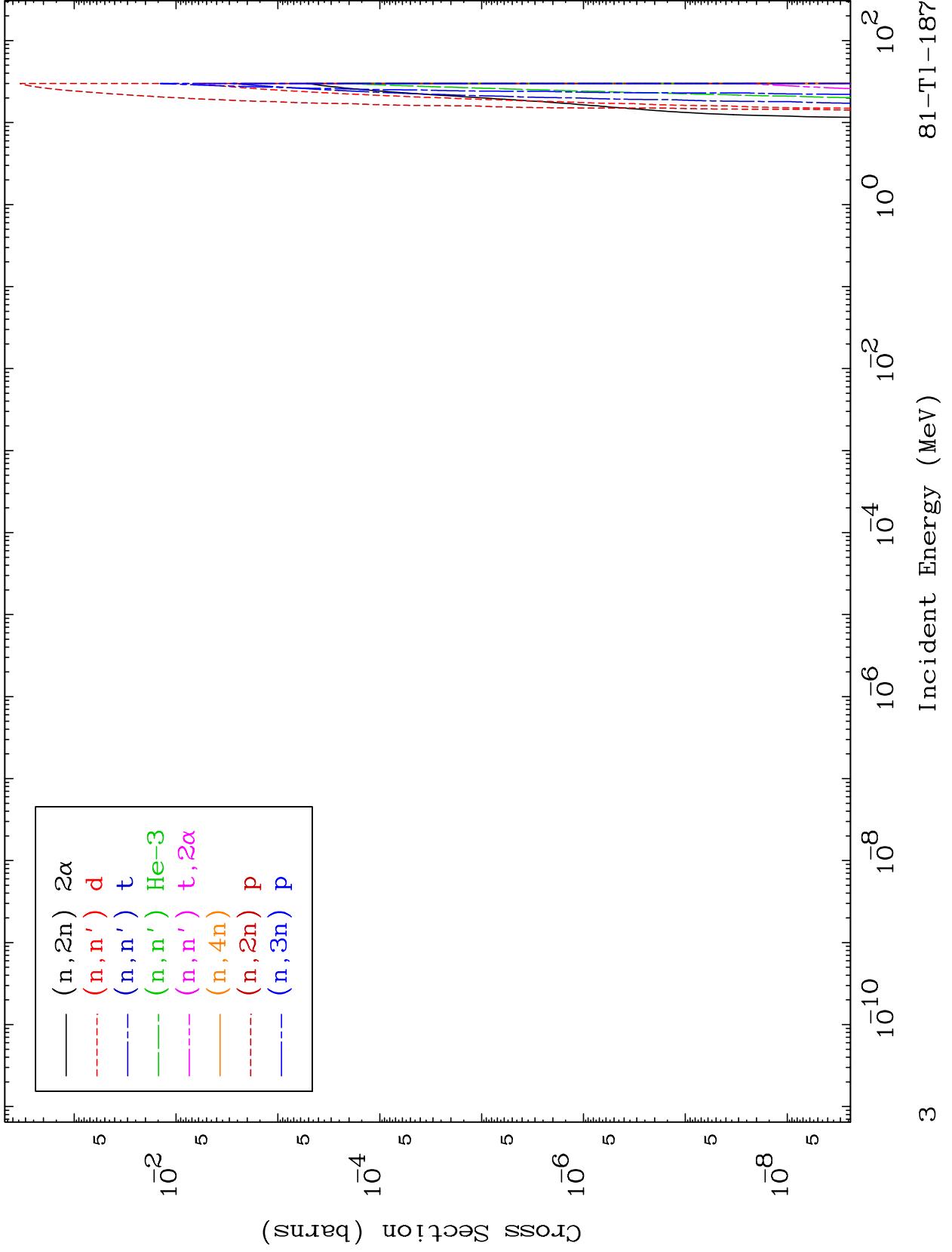
81-Tl-187



MAT 8077

Neutron Production
293 Kelvin Cross Sections

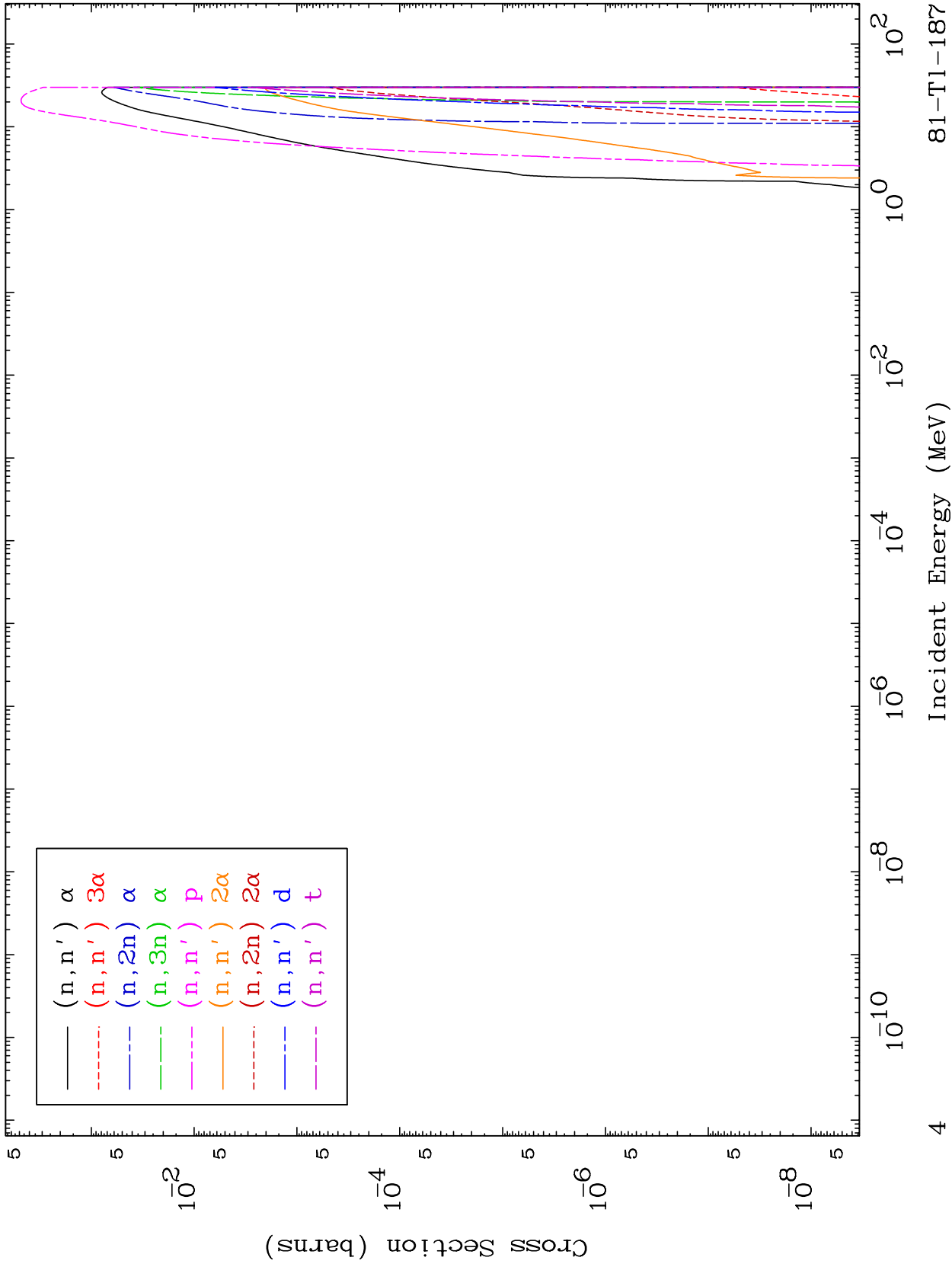
81-Tl-187



MAT 8077

Charged Particle
293 Kelvin Cross Sections

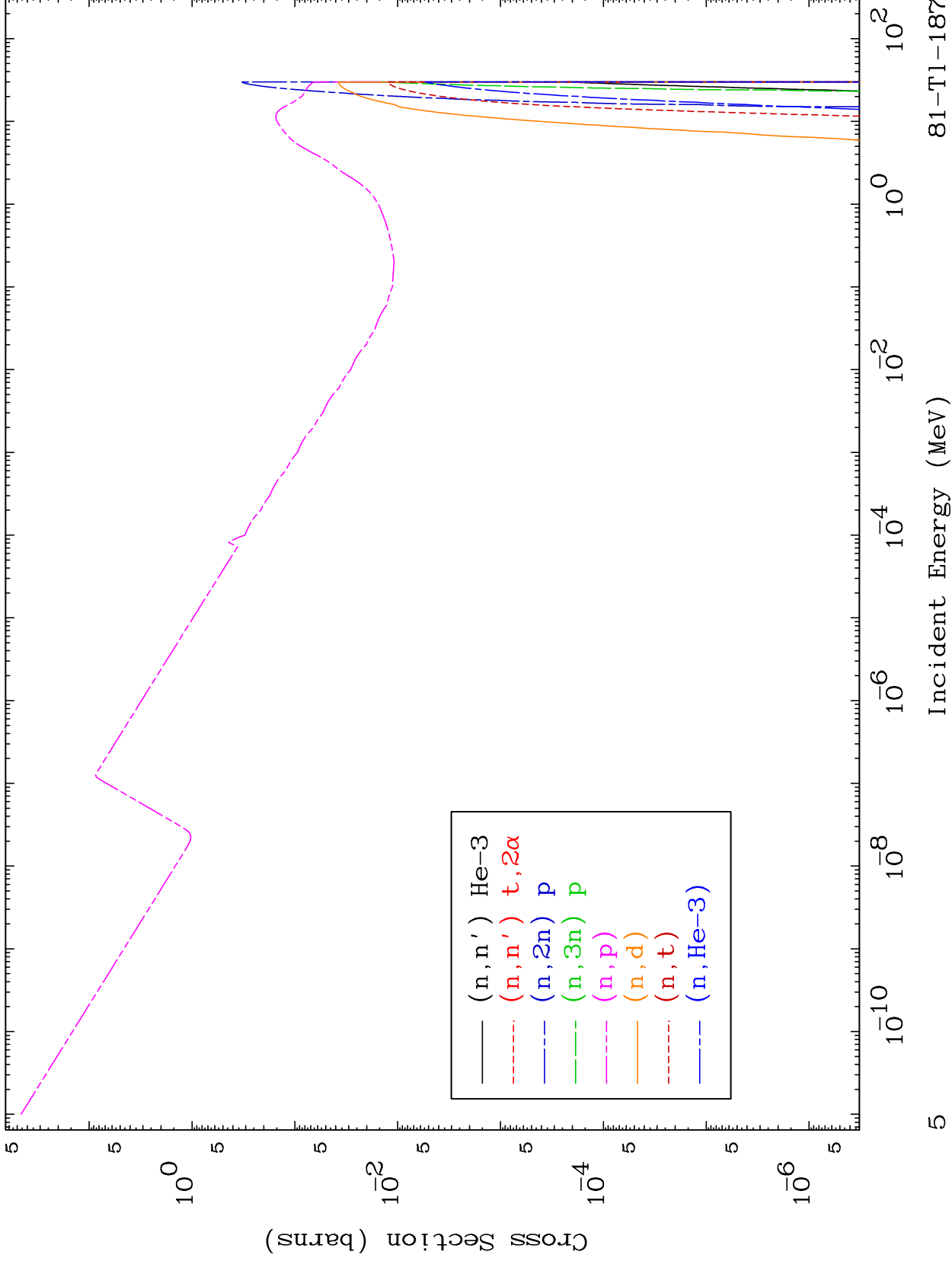
81-Tl-187



MAT 80777

Charged Particle
293 Kelvin Cross Sections

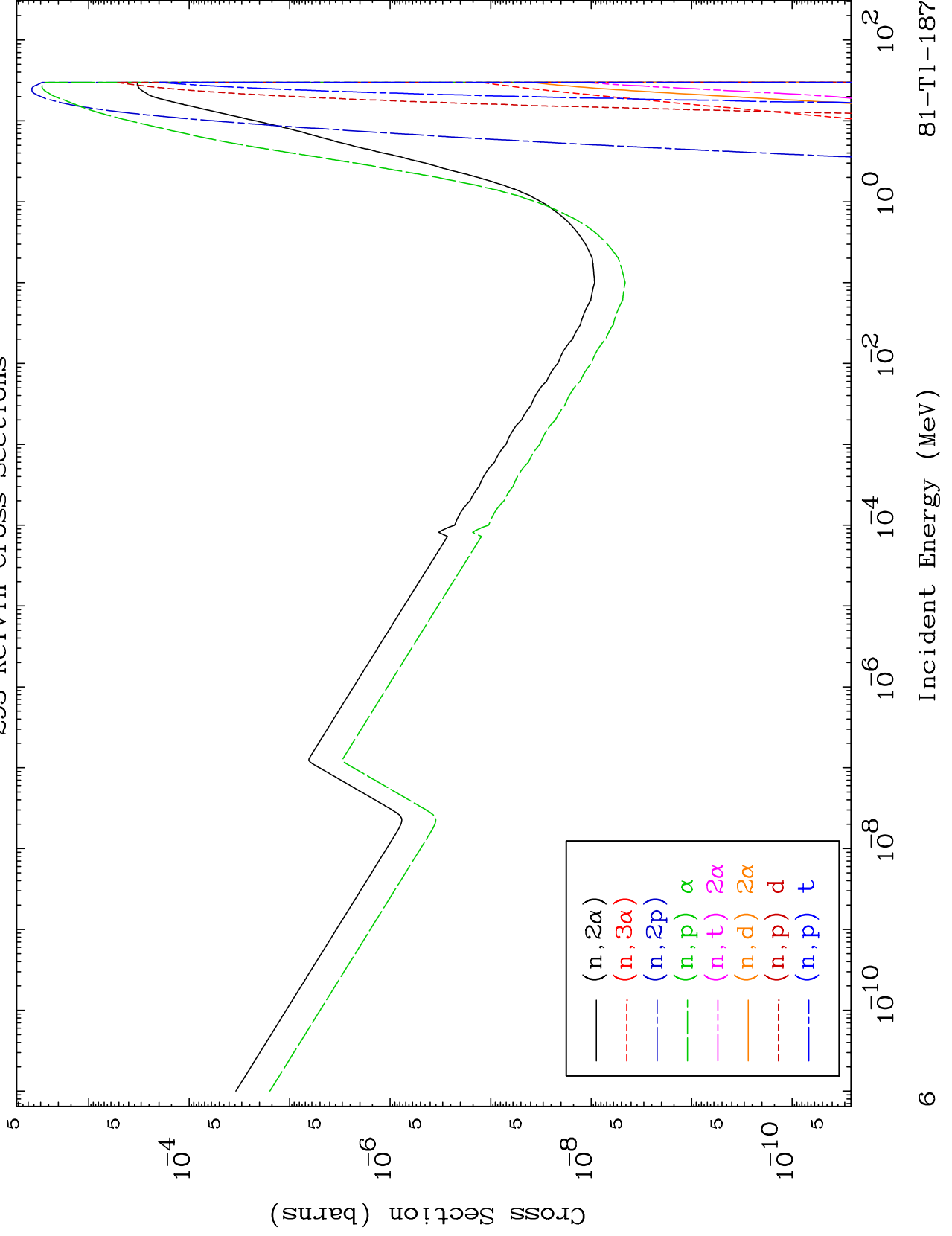
81-Tl-187



MAT 80777

Charged Particle
293 Kelvin Cross Sections

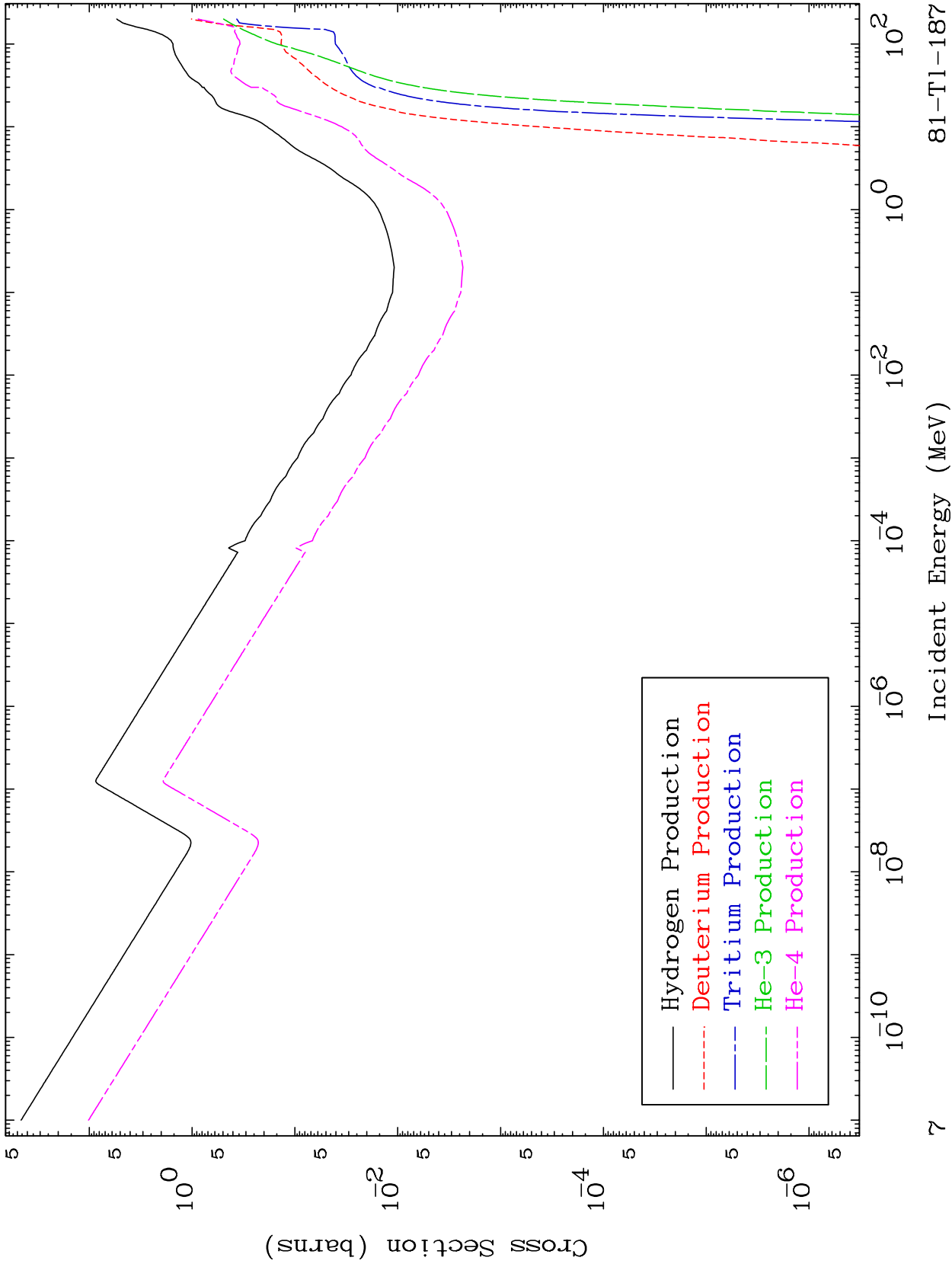
81-Tl-187

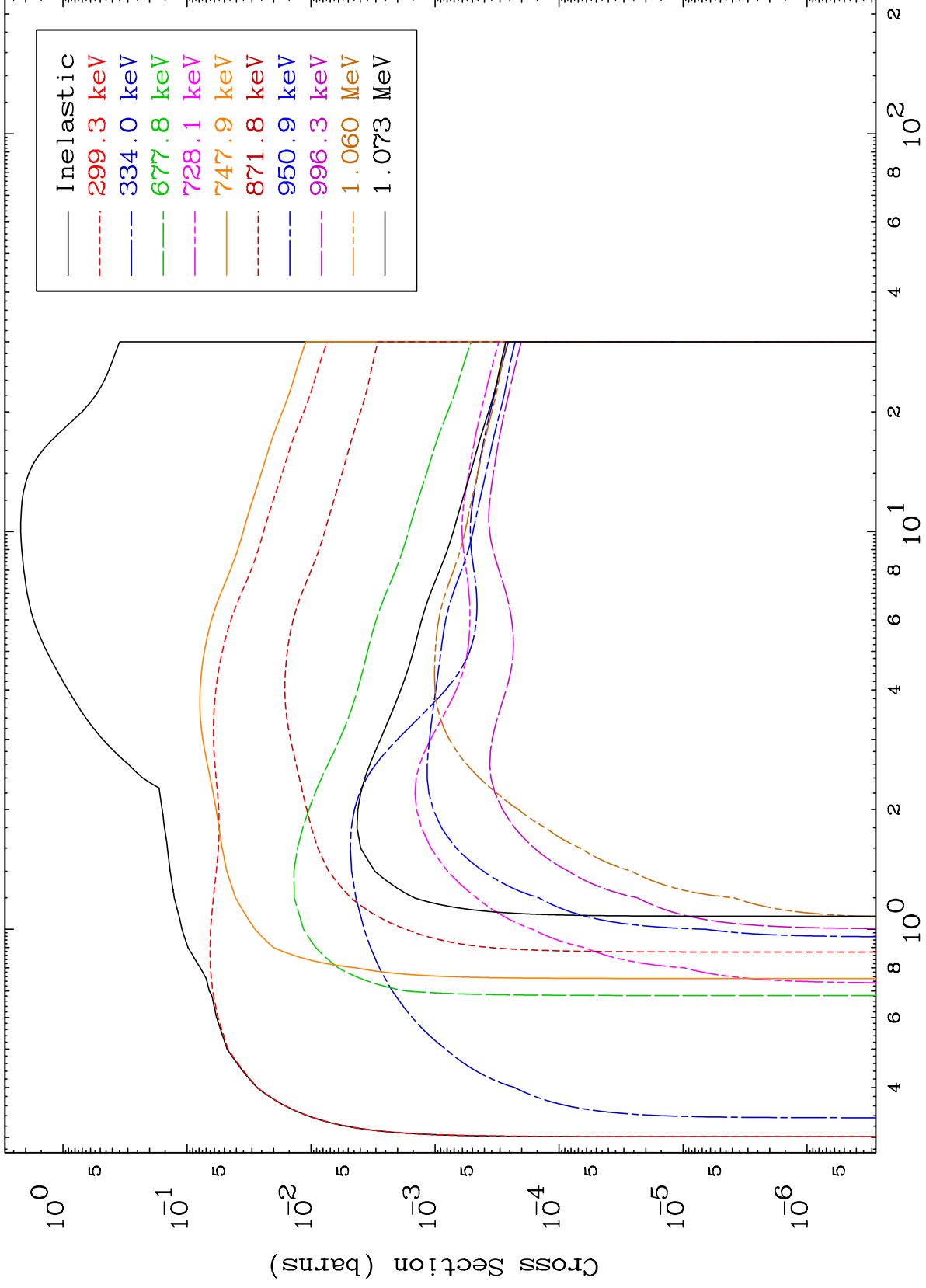


MAT 8077

Particle Production
293 Kelvin Cross Sections

81-T1-187

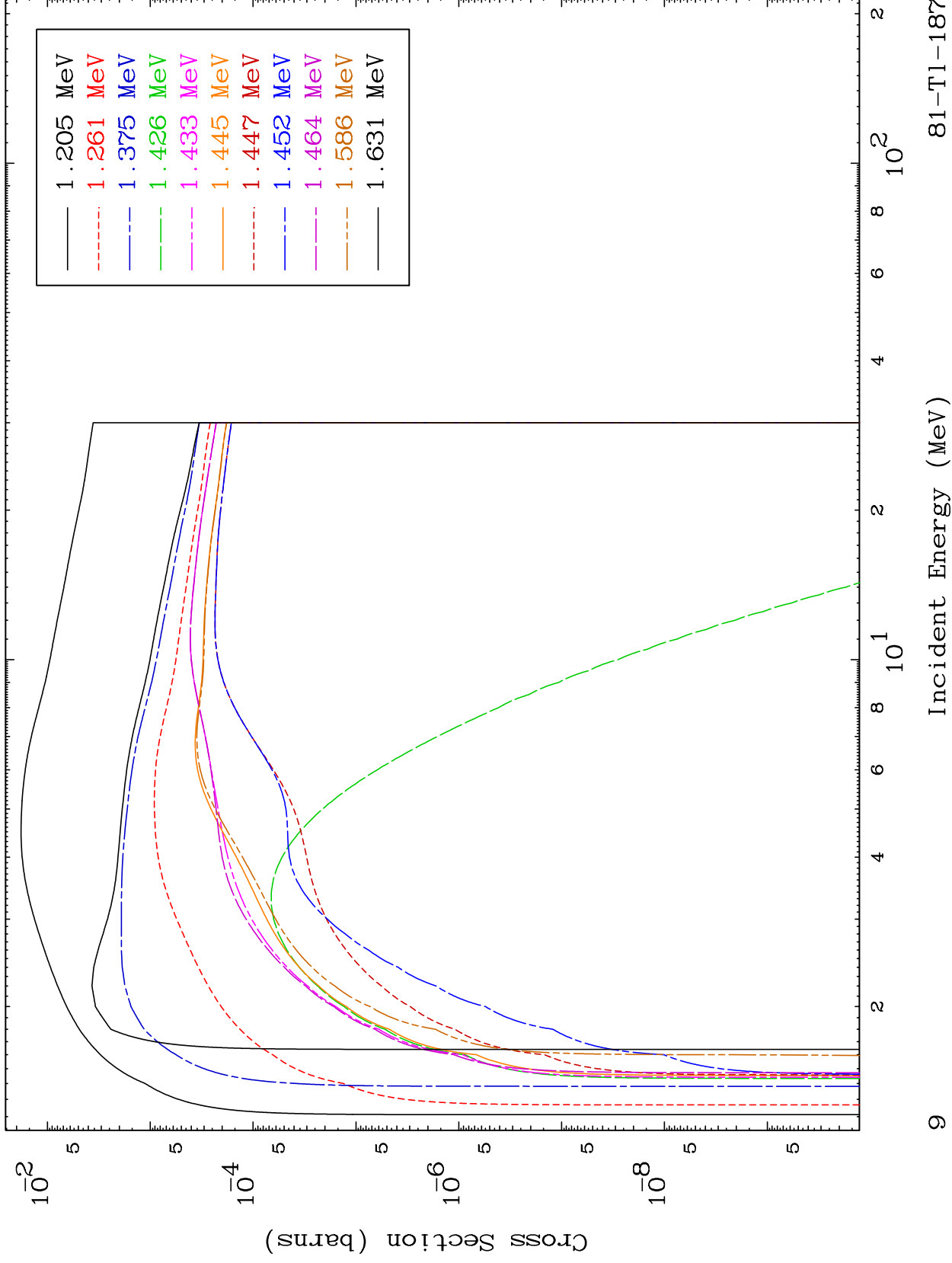




MAT 80777

(n,n') Level
293 Kelvin Cross Sections

81-Tl-187

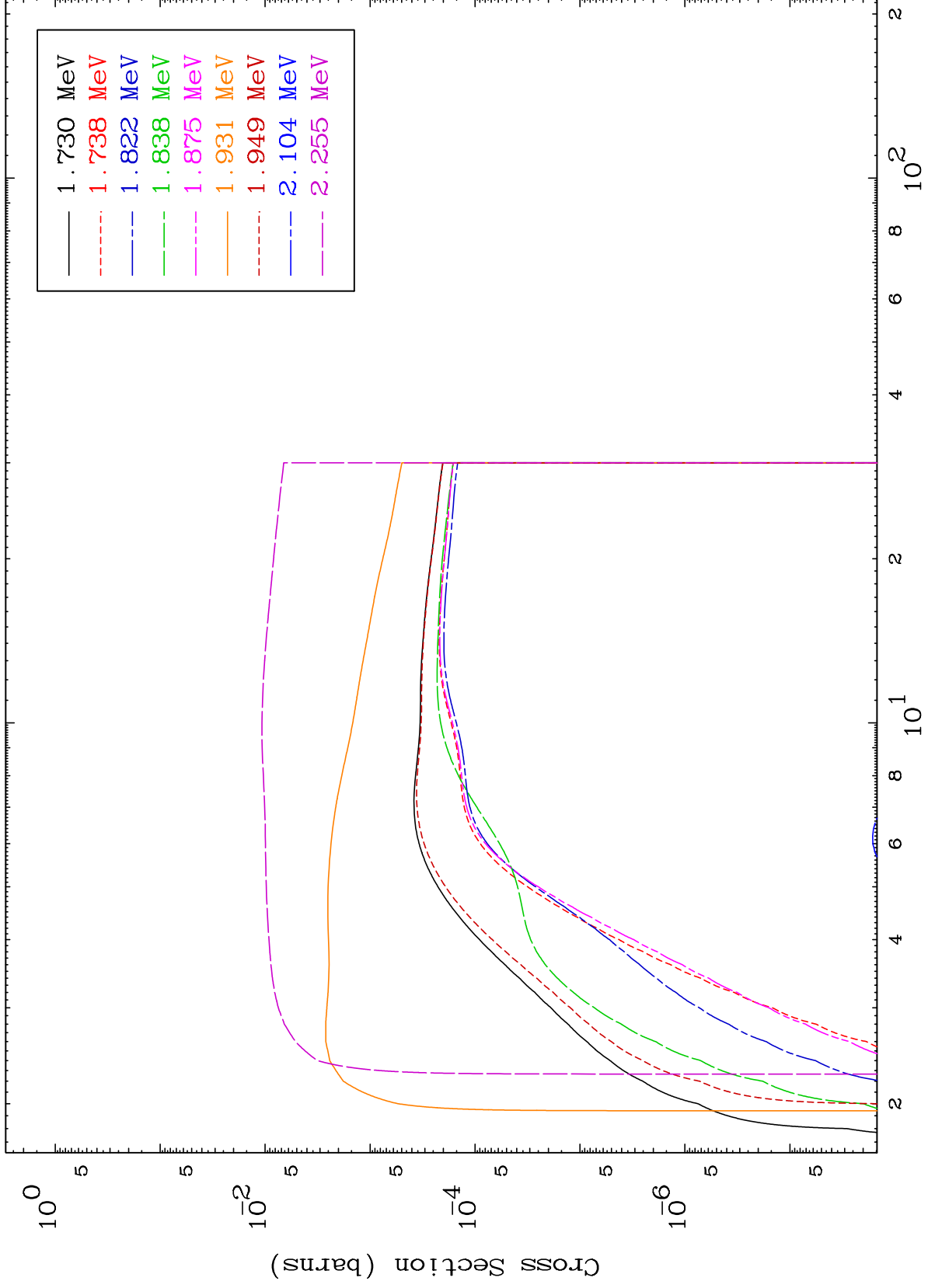


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MAT 80777

(n,n') Level
293 Kelvin Cross Sections

81-T1-187



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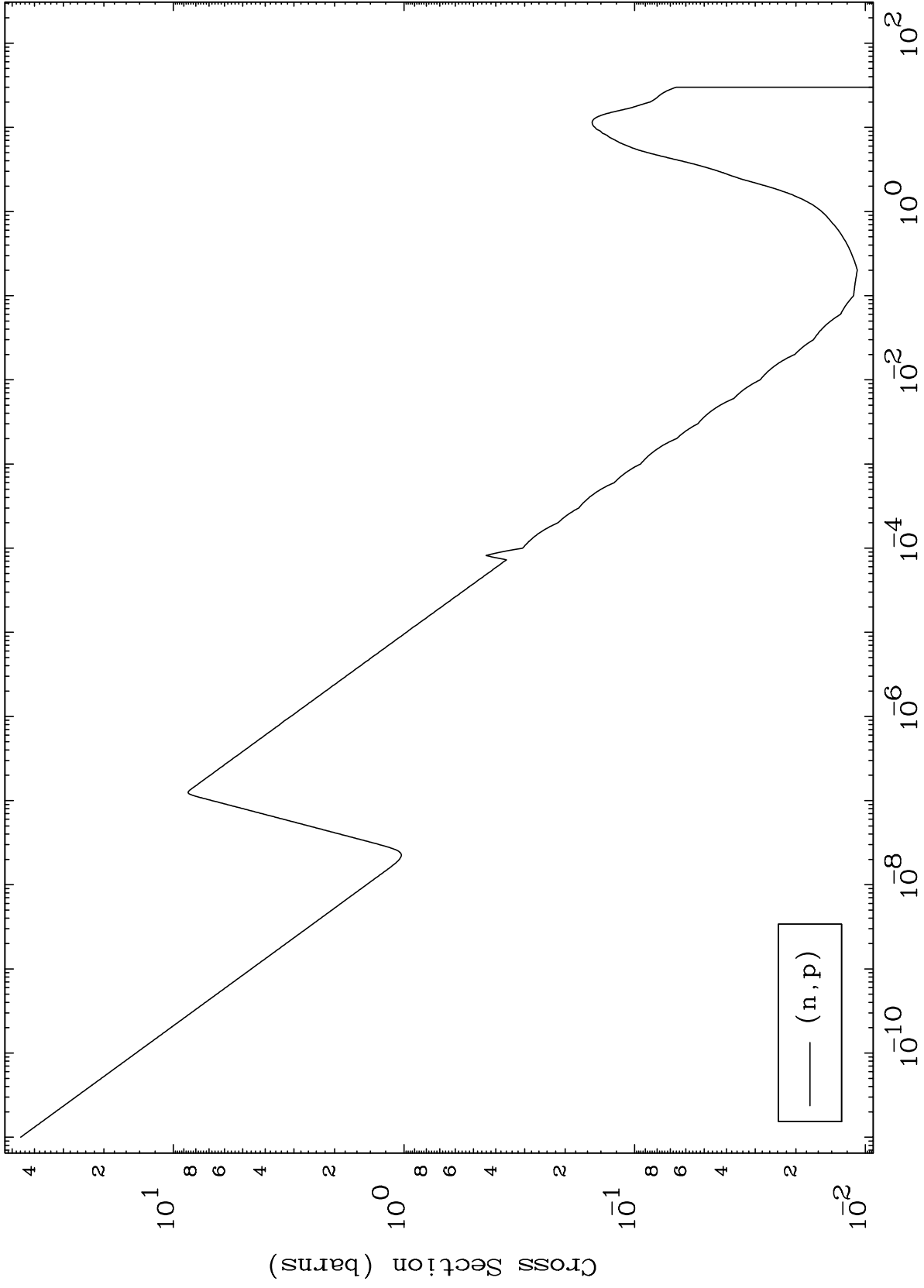
Incident Energy (MeV)

81-T1-187

MAT 80777

(n,p) Levels
293 Kelvin Cross Sections

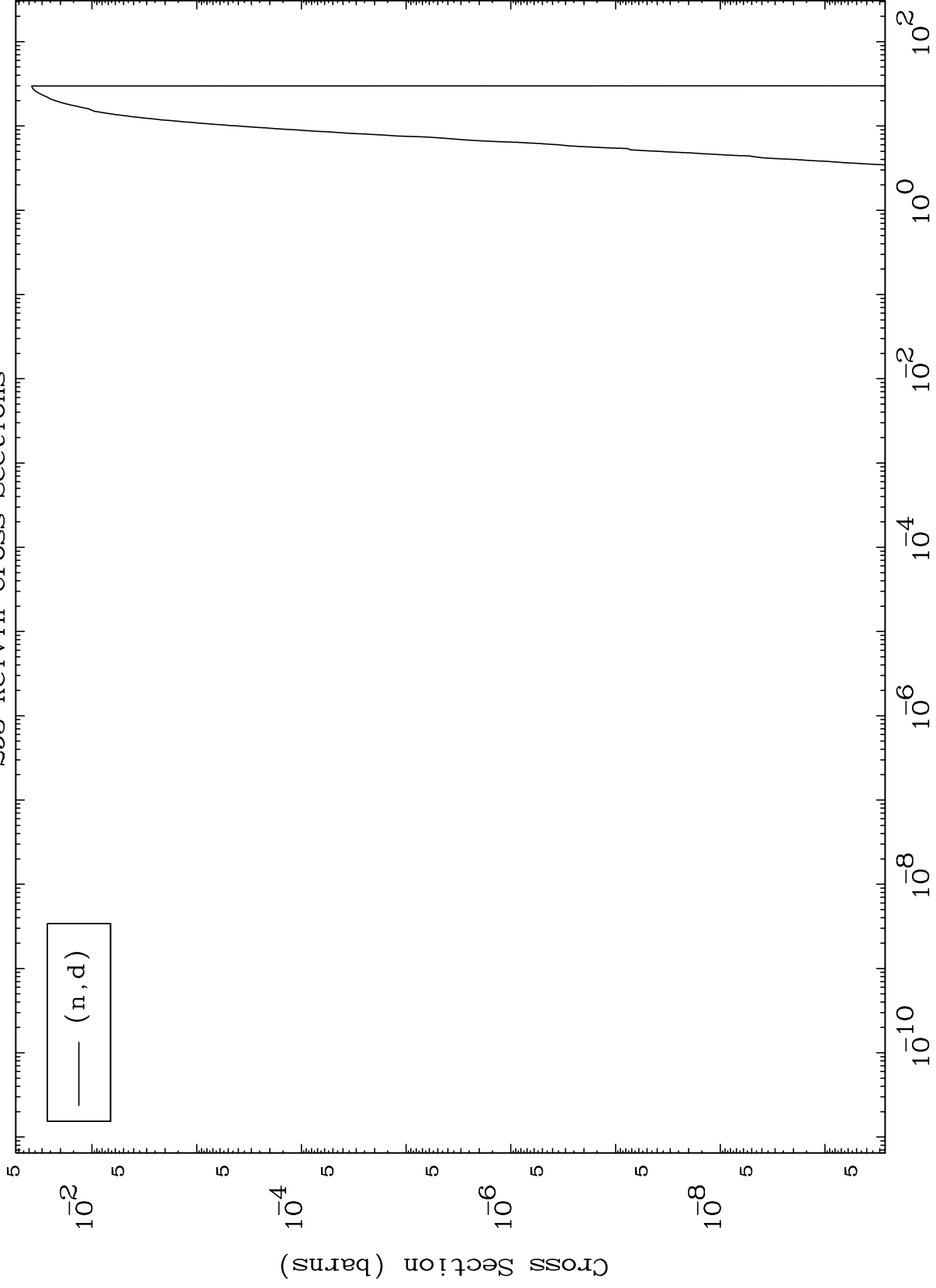
81-T1-187



MAT 80777

(n,d) Levels
293 Kelvin Cross Sections

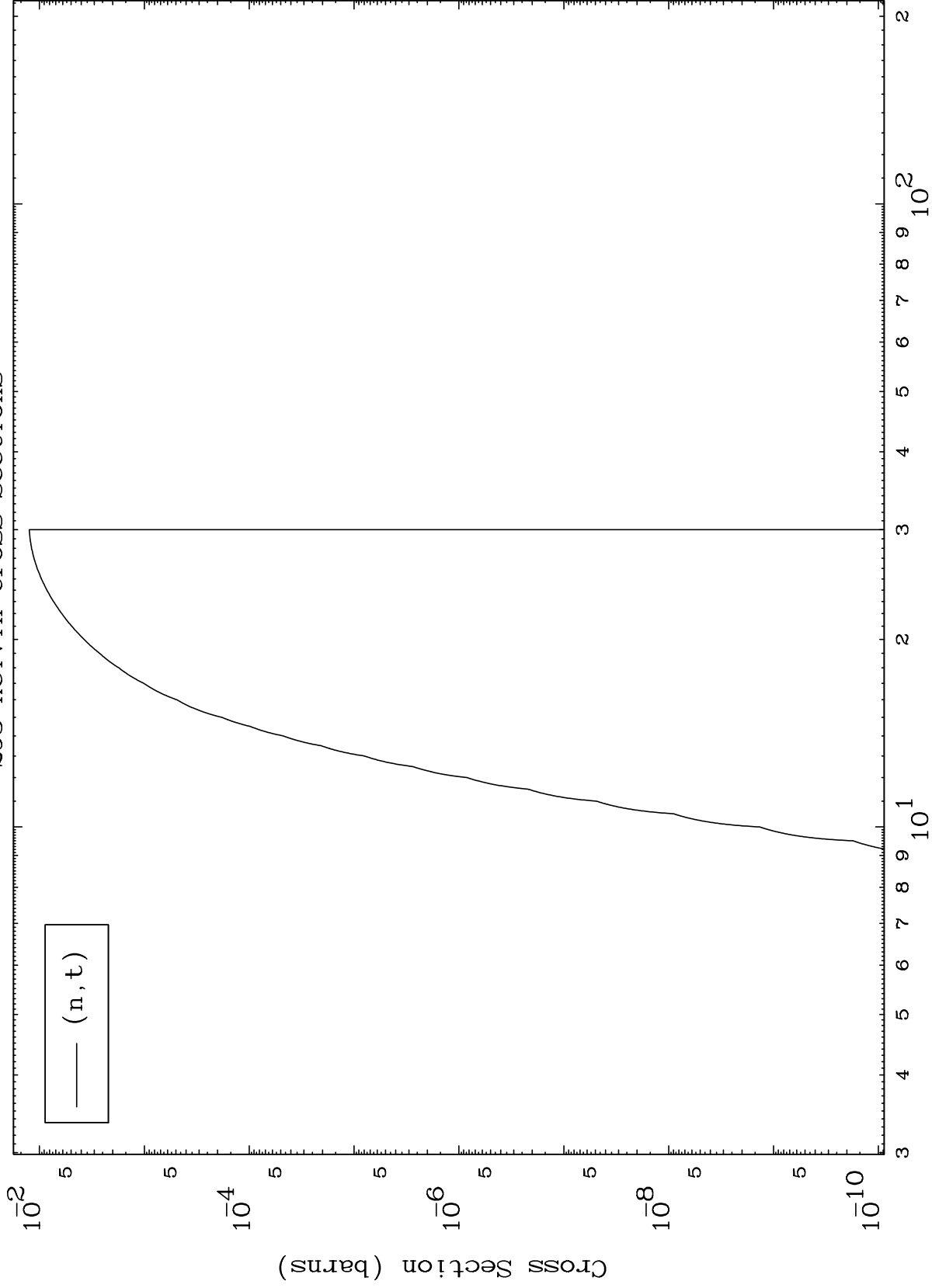
81-Tl-187



MAT 80777

(n,t) Levels
293 Kelvin Cross Sections

81-Tl-187



13

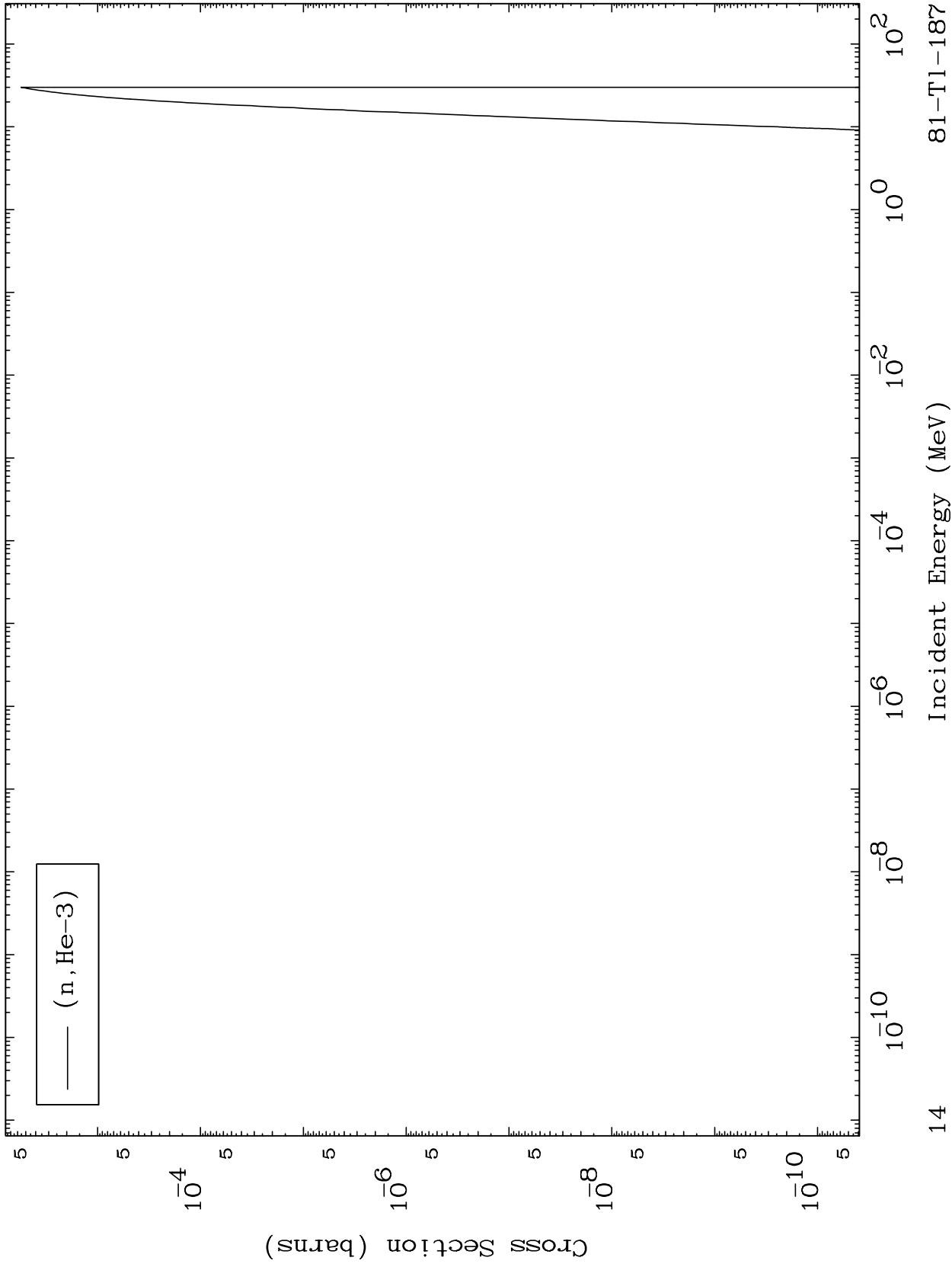
Incident Energy (MeV)

81-Tl-187

MAT 8077

(n,He3) Levels
293 Kelvin Cross Sections

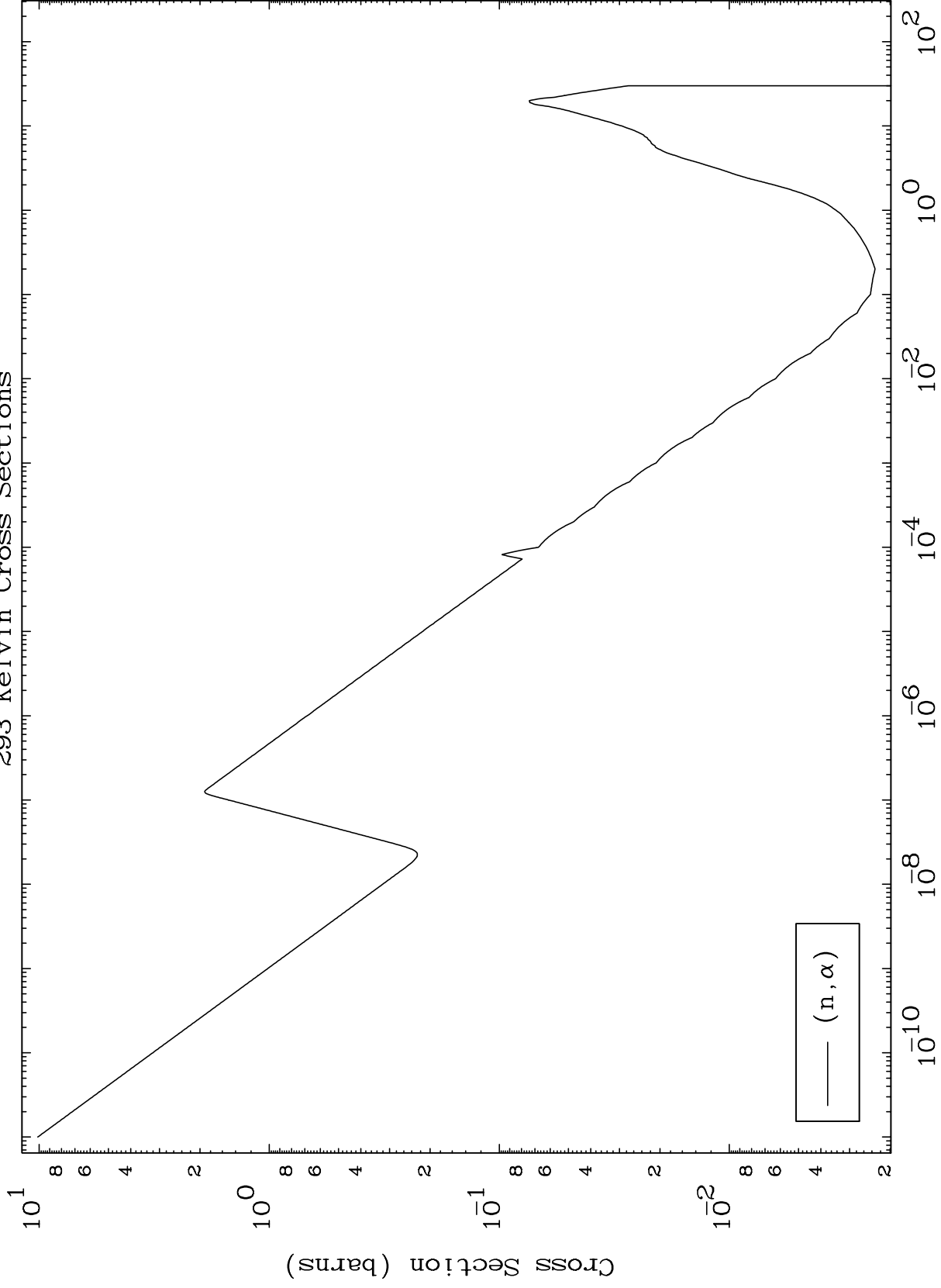
81-T1-187



MAT 80777

(n,α) Levels
293 Kelvin Cross Sections

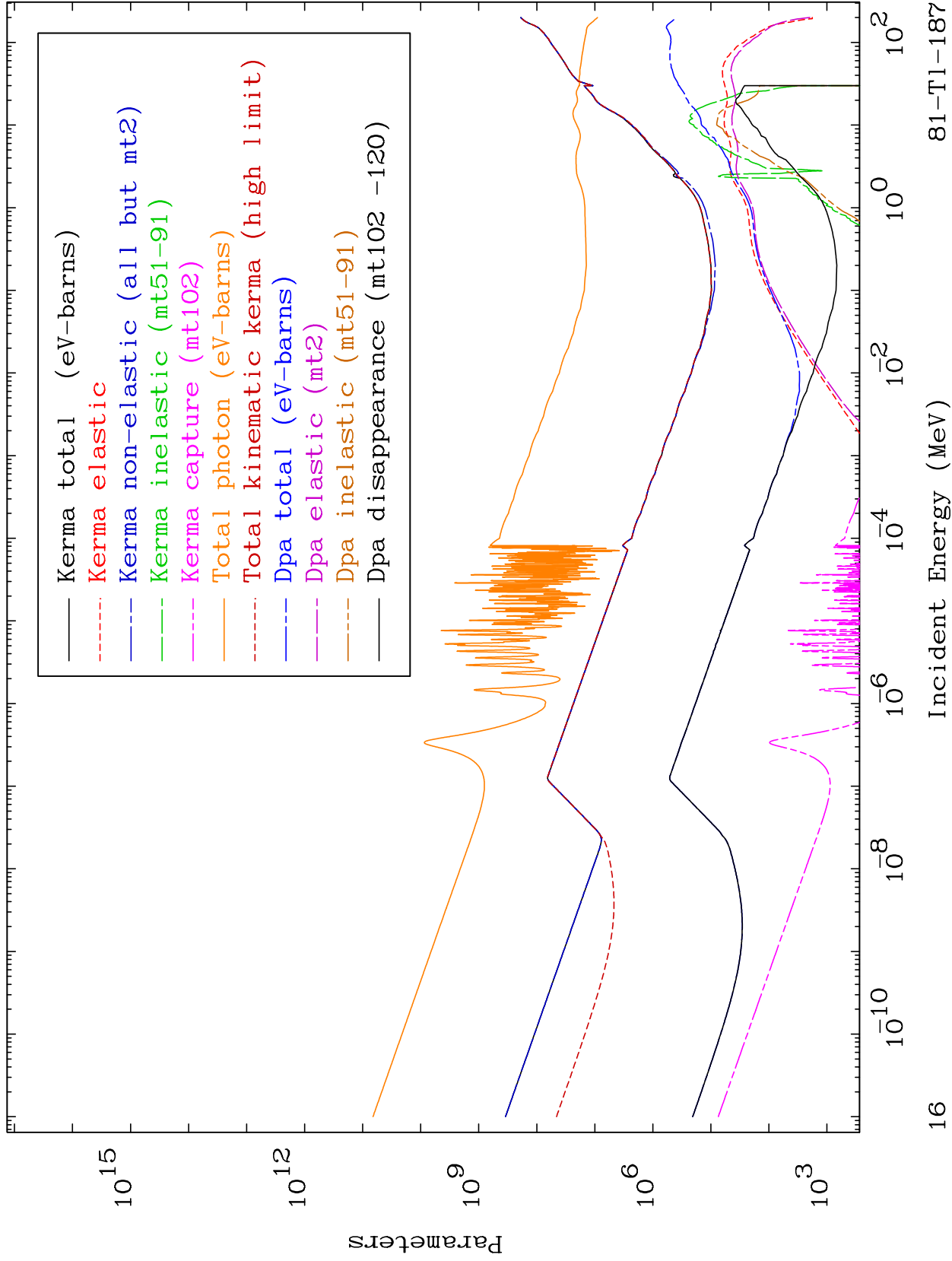
81-Tl-187



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Incident Energy (MeV)

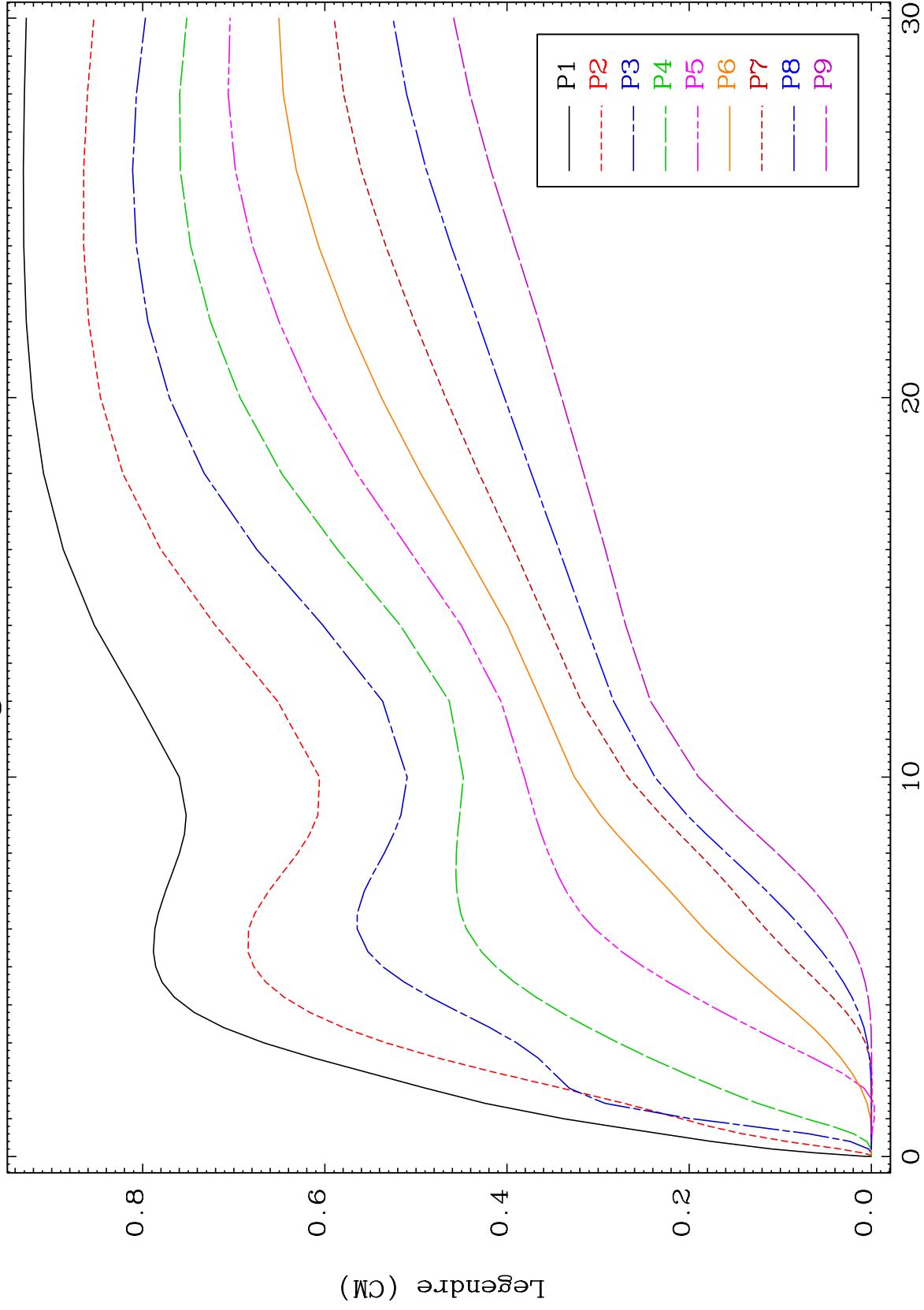
81-Tl-187



MAT 8077

Elastic Legendre Coefficients

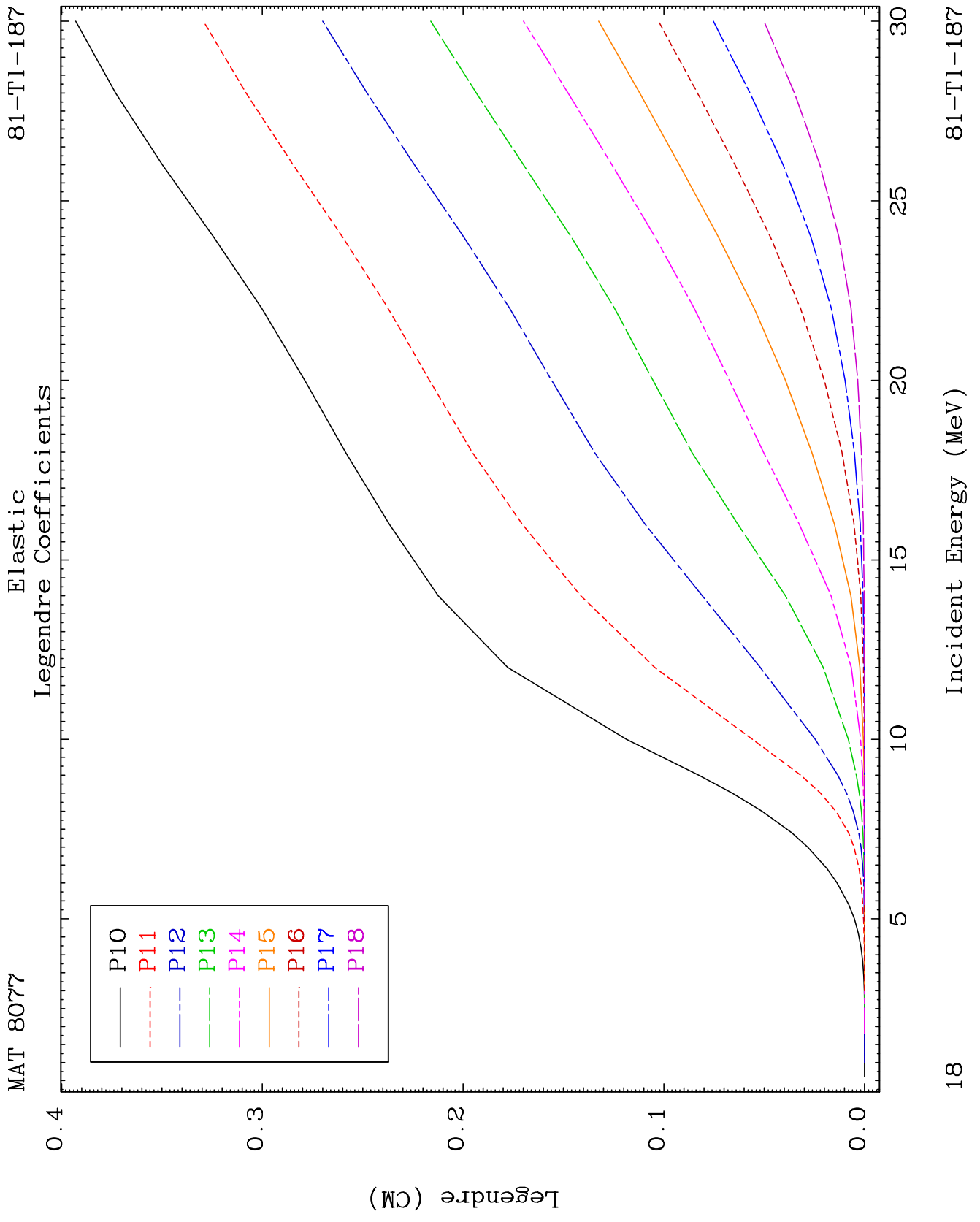
81-Tl-187



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Incident Energy (MeV)

81-Tl-187



81-Tl-187

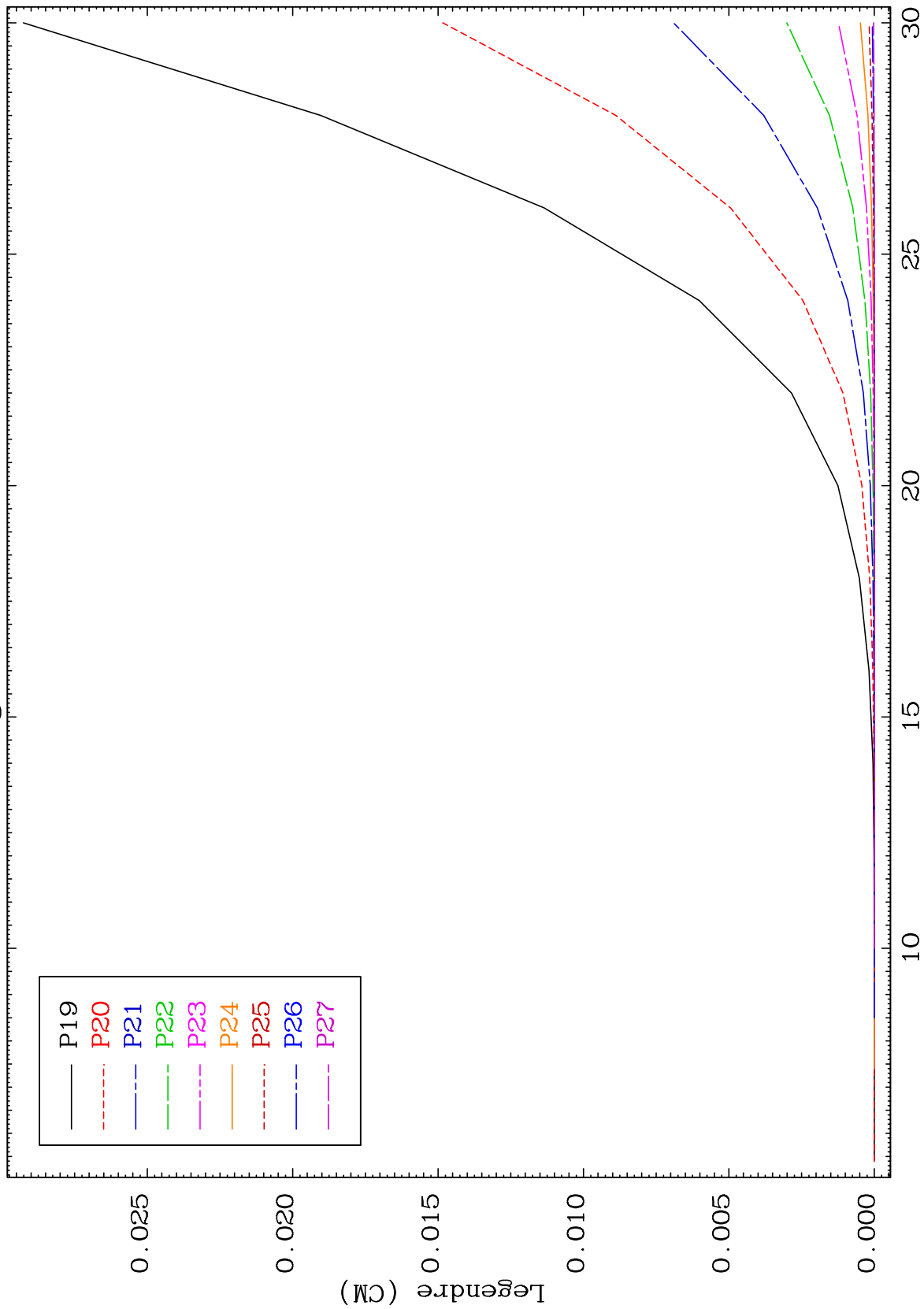
Incident Energy (MeV)

18

MAT 8077

Elastic Legendre Coefficients

81-T1-187



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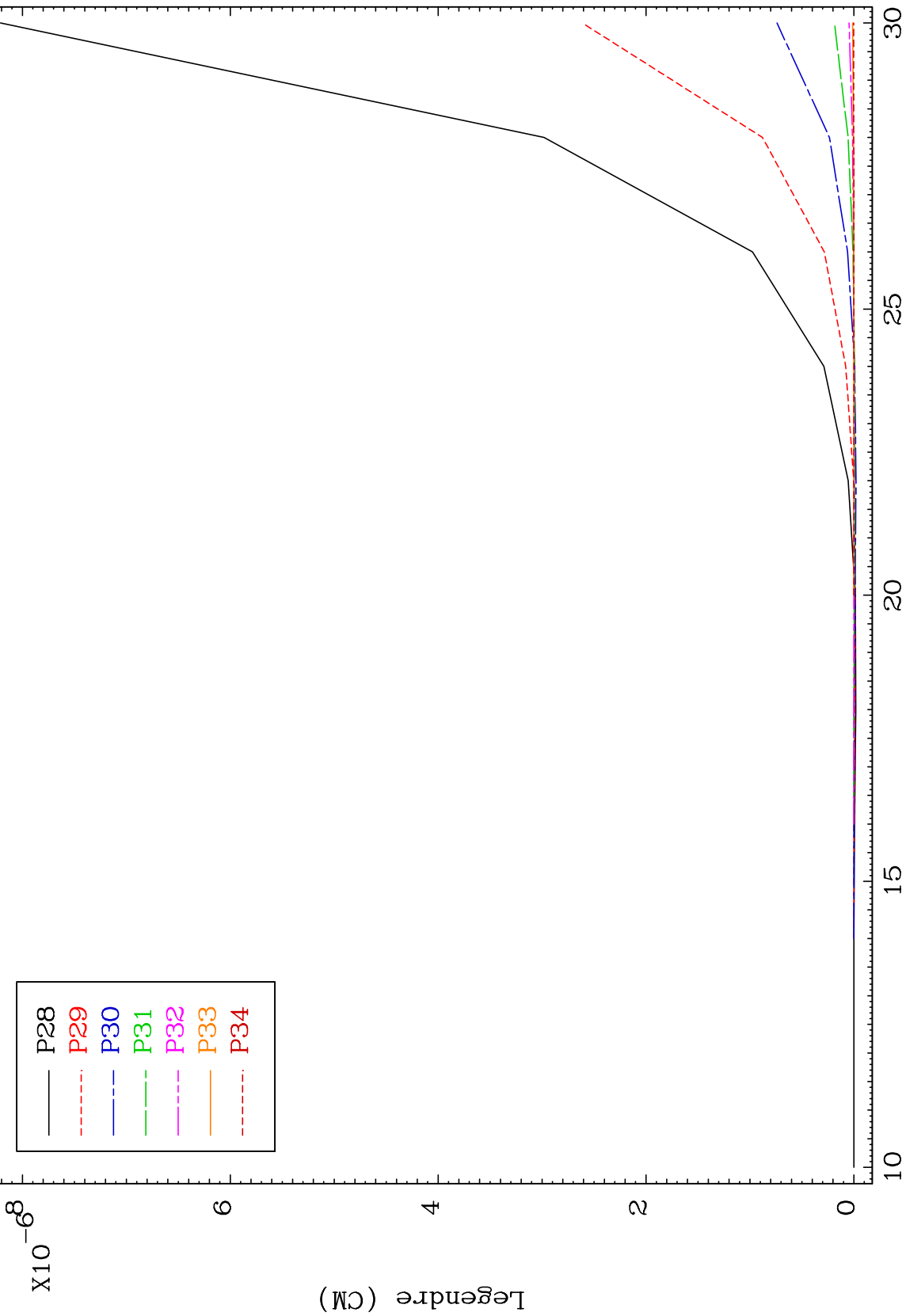
Incident Energy (MeV)

81-T1-187

MAT 8077

Elastic Legendre Coefficients

81-T1-187



20

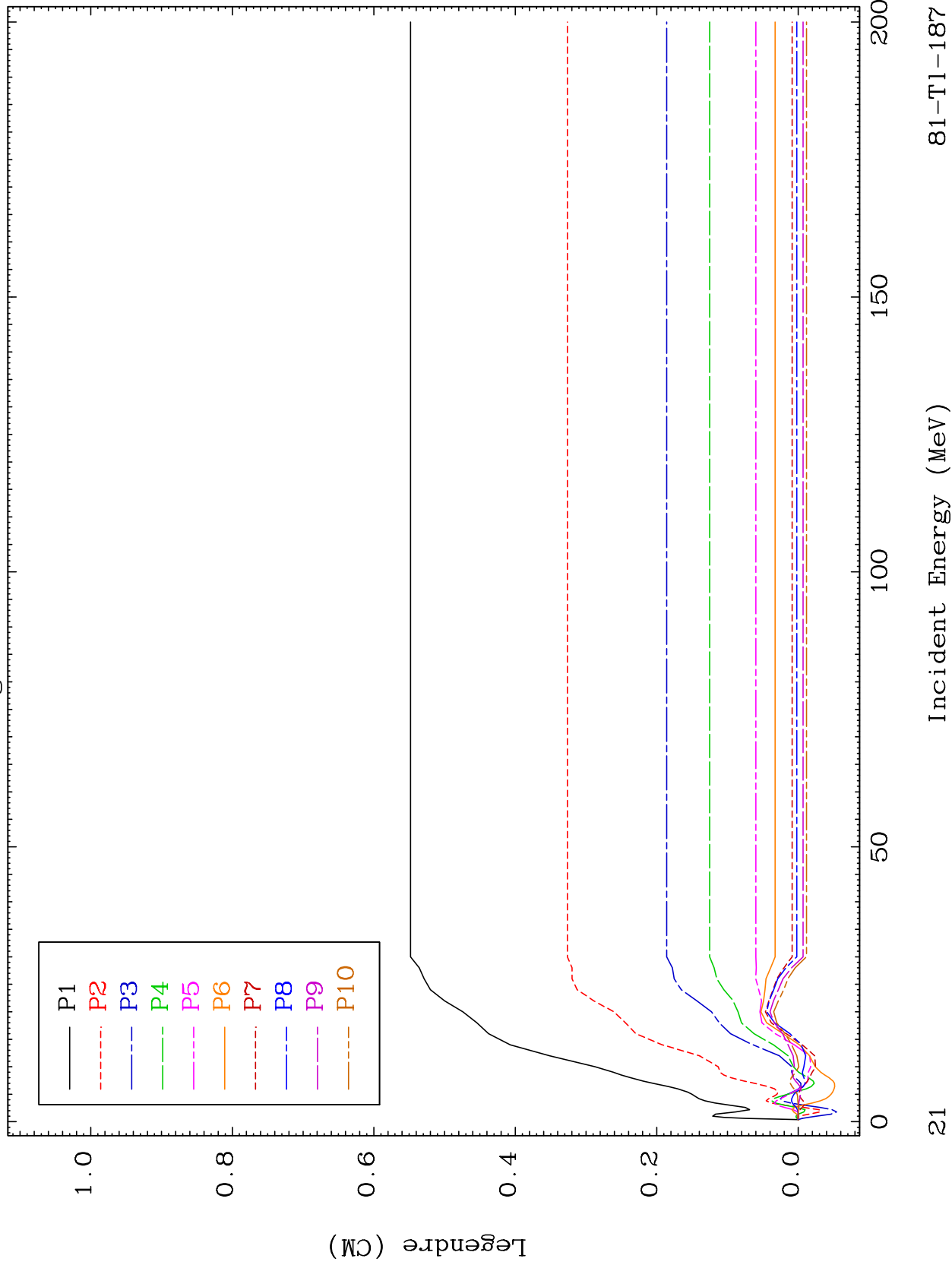
Incident Energy (MeV)

81-T1-187

MAT 8077

299.3 keV (n,n') Level Legendre Coefficients

81-Tl-187

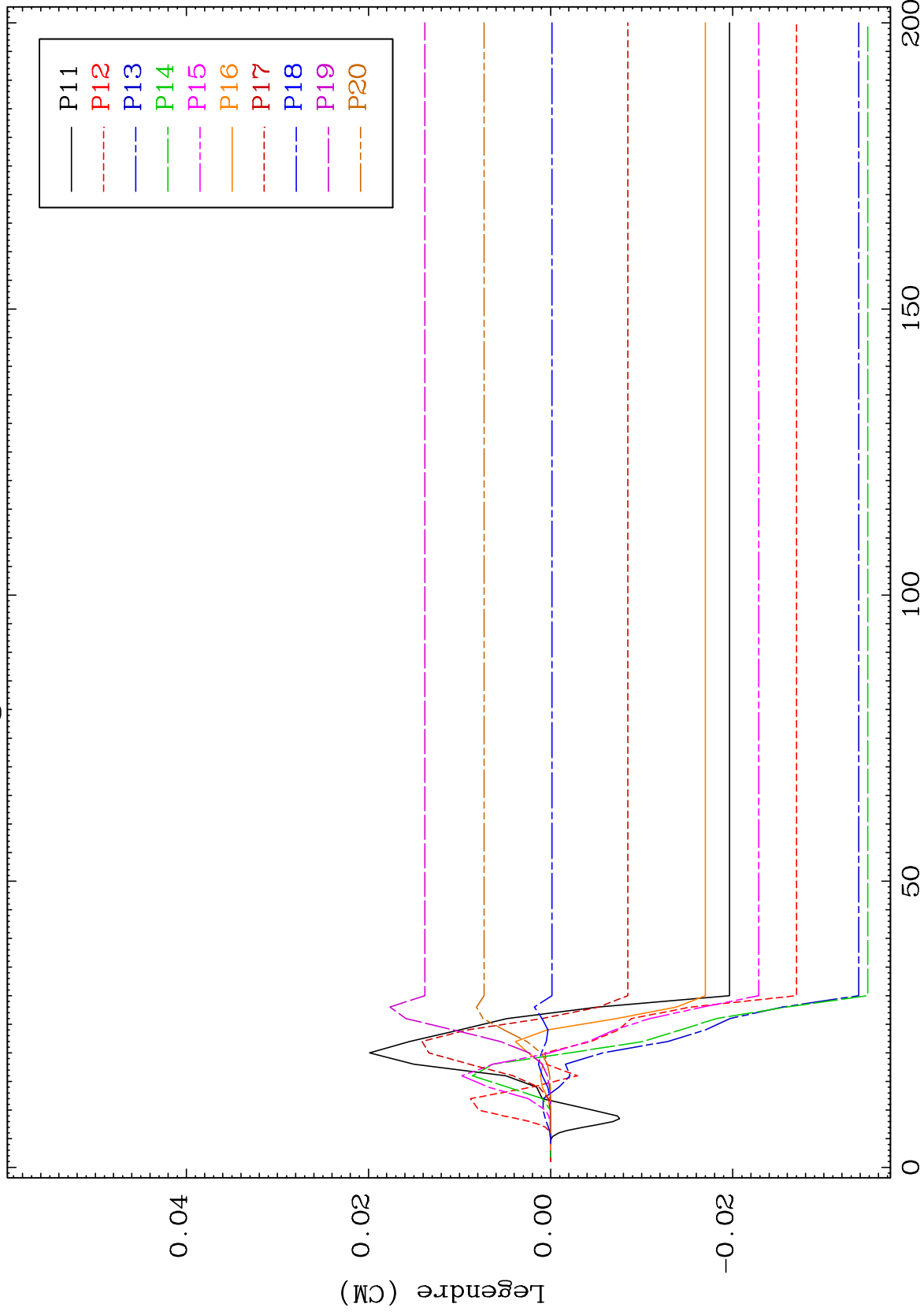


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MAT 8077

299.3 keV (n,n') Level
Legendre Coefficients

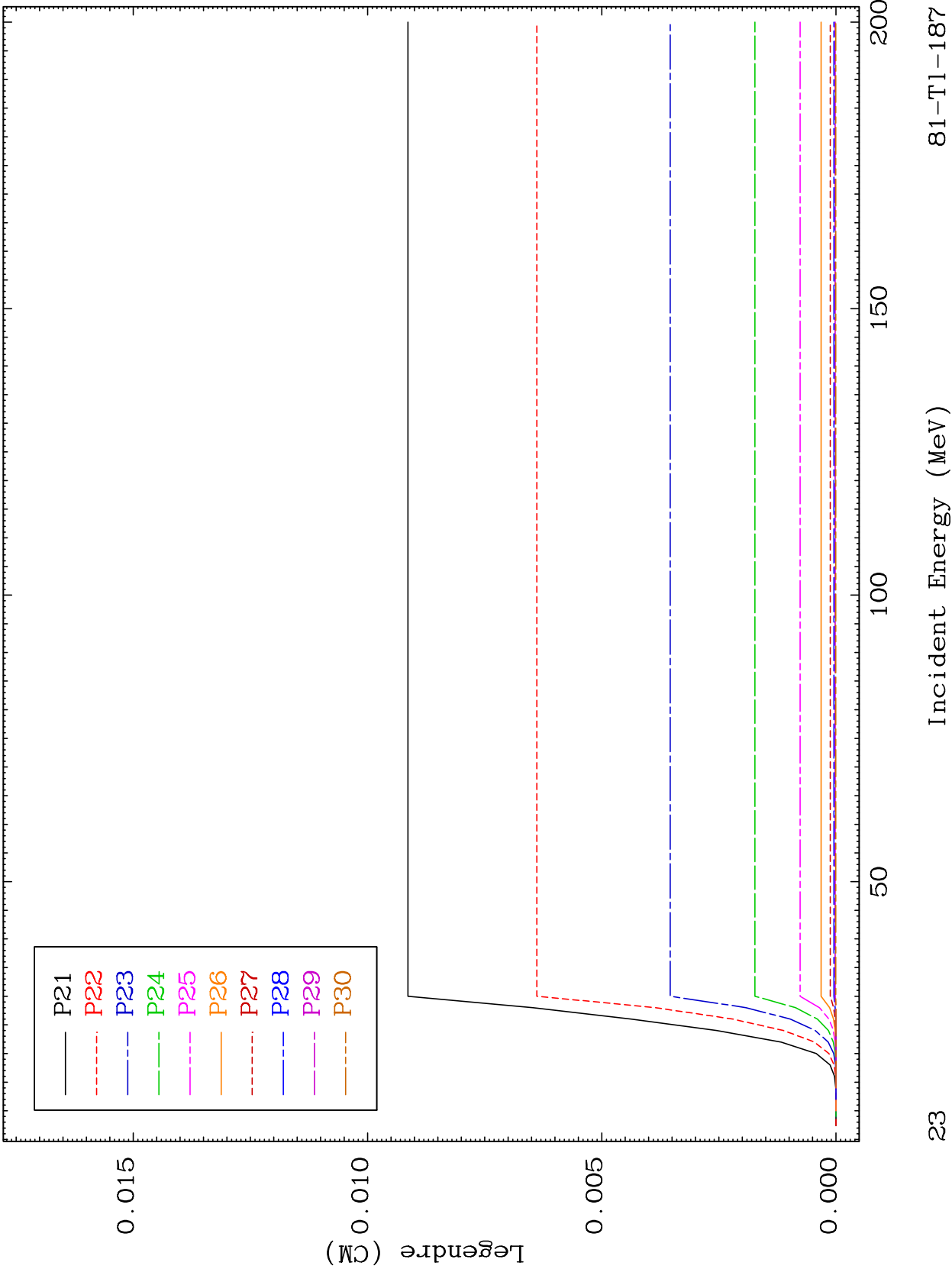
81-Tl-187



22

Incident Energy (MeV)

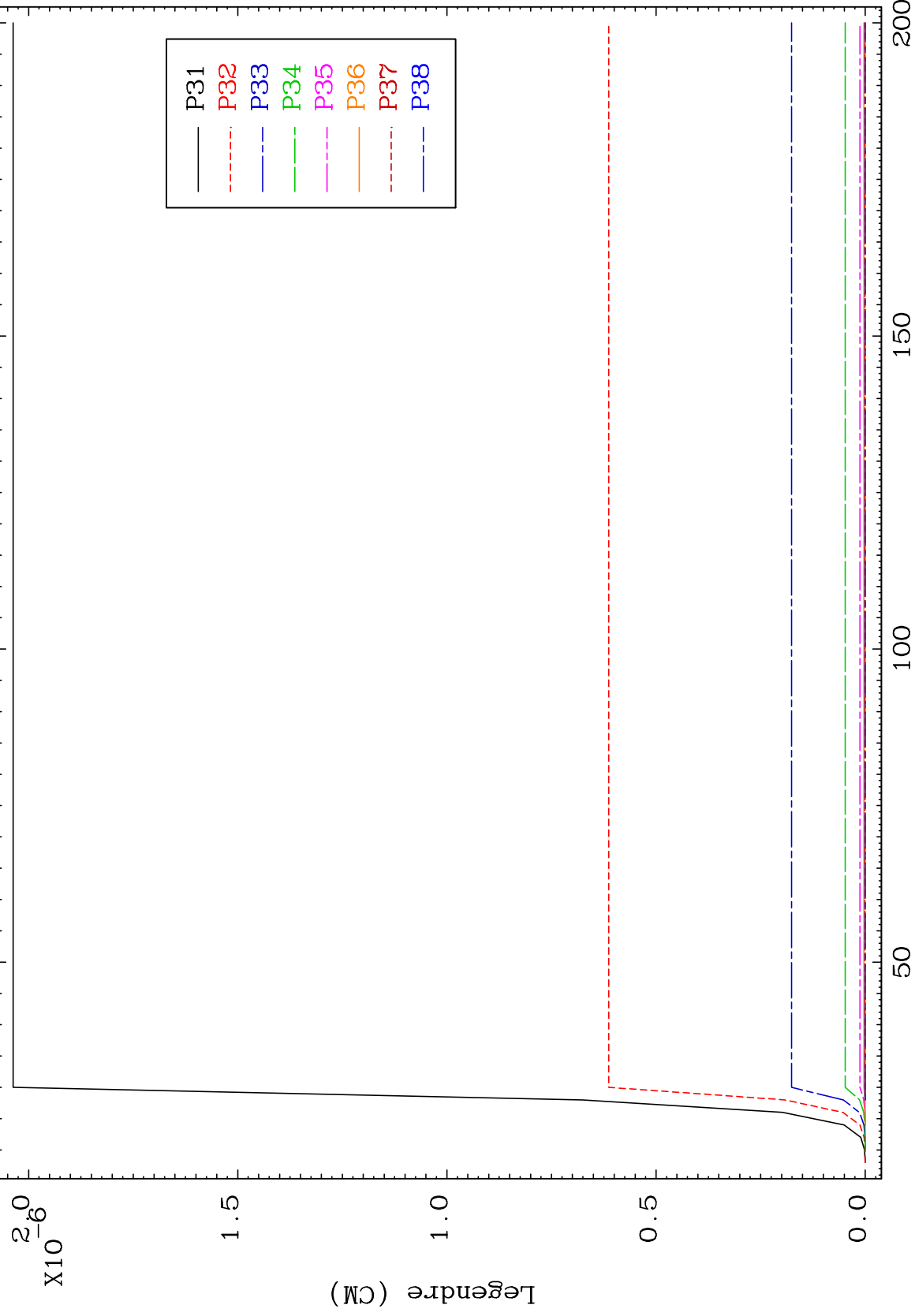
81-Tl-187



MAT 8077

299.3 keV (n,n') Level
Legendre Coefficients

81-Tl-187



24

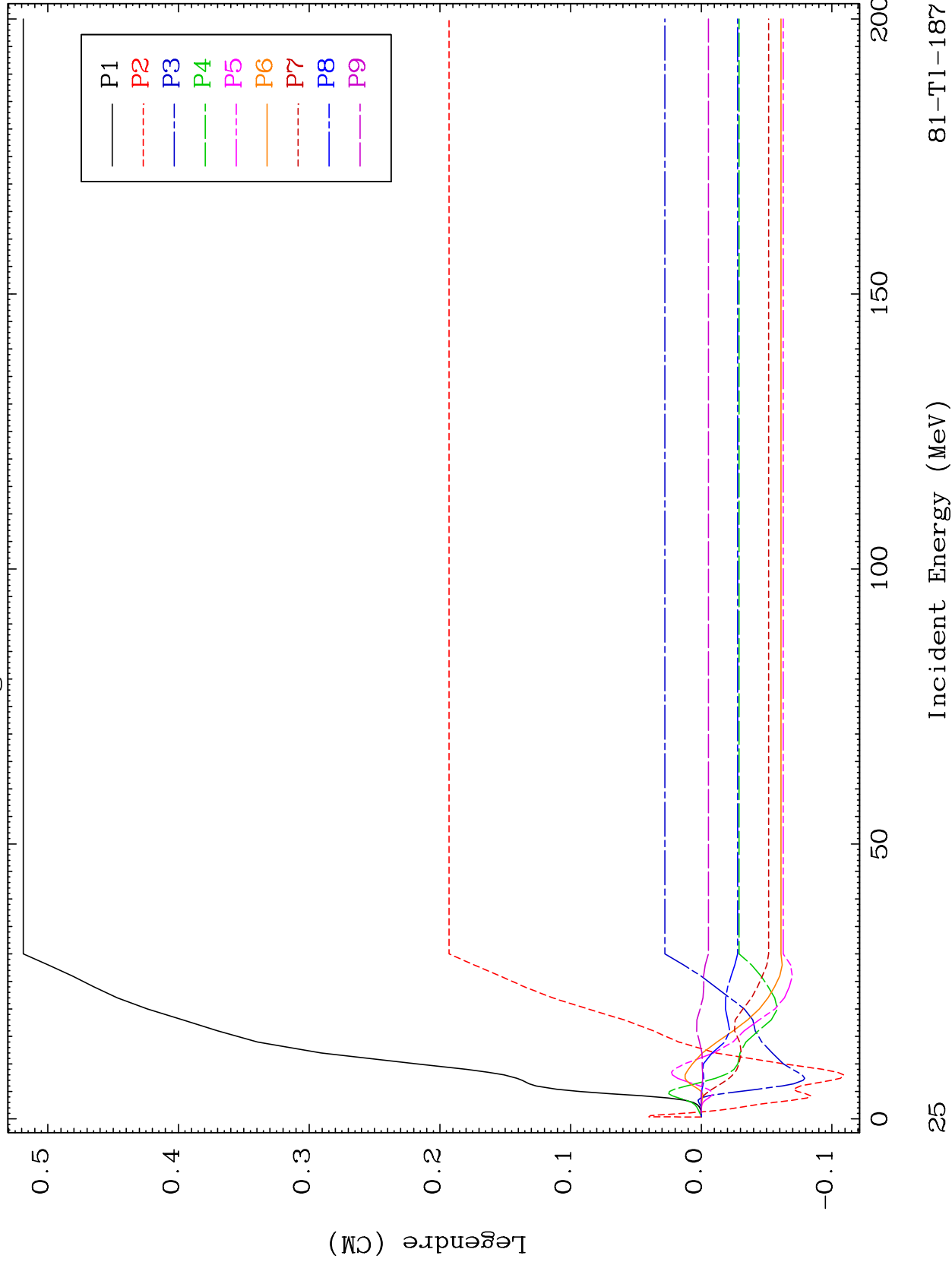
Incident Energy (MeV)

81-Tl-187

MAT 8077

334.0 keV (n,n') Level
Legendre Coefficients

81-Tl-187



81-Tl-187

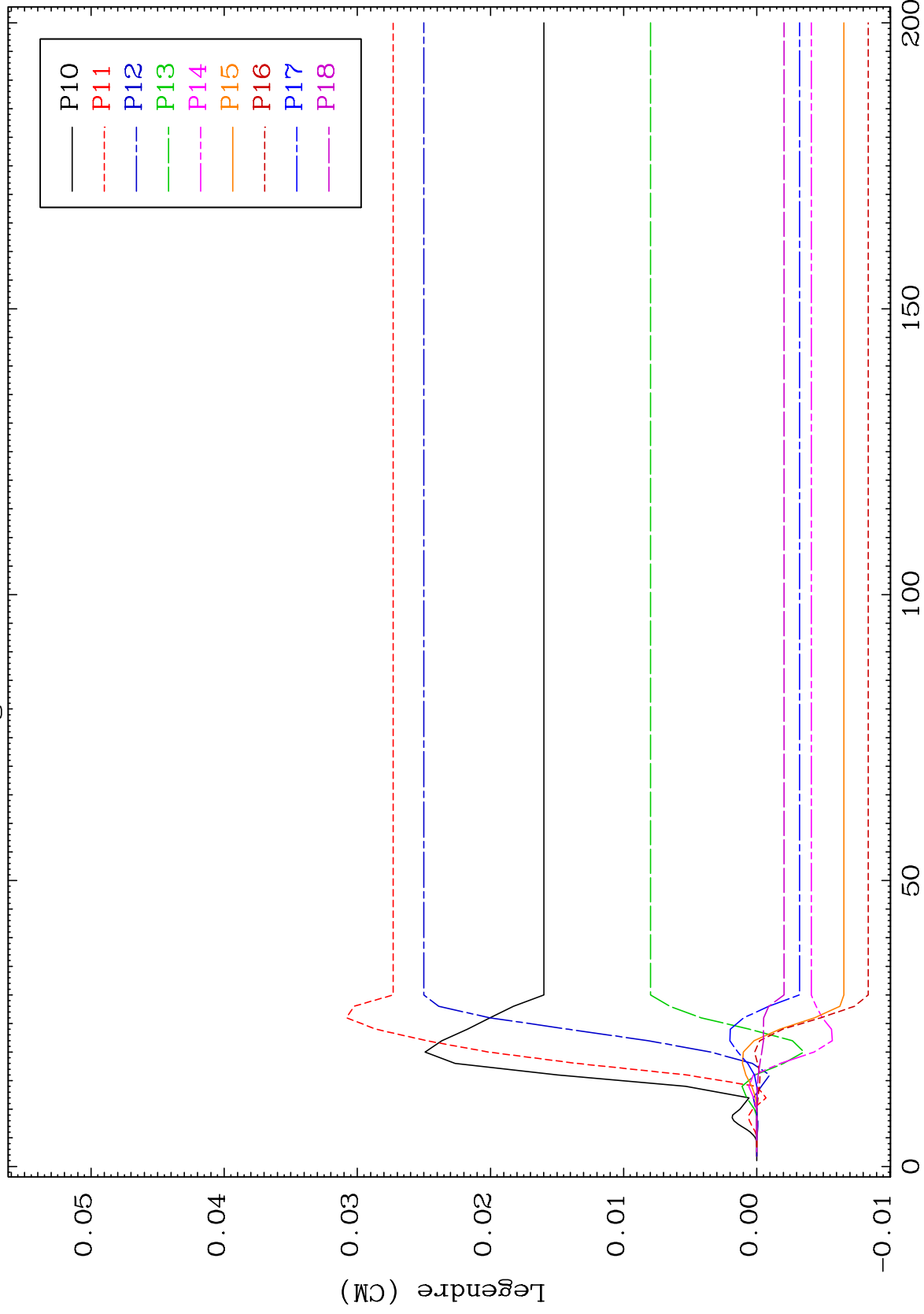
Incident Energy (MeV)

25

MAT 8077

334.0 keV (n,n') Level
Legendre Coefficients

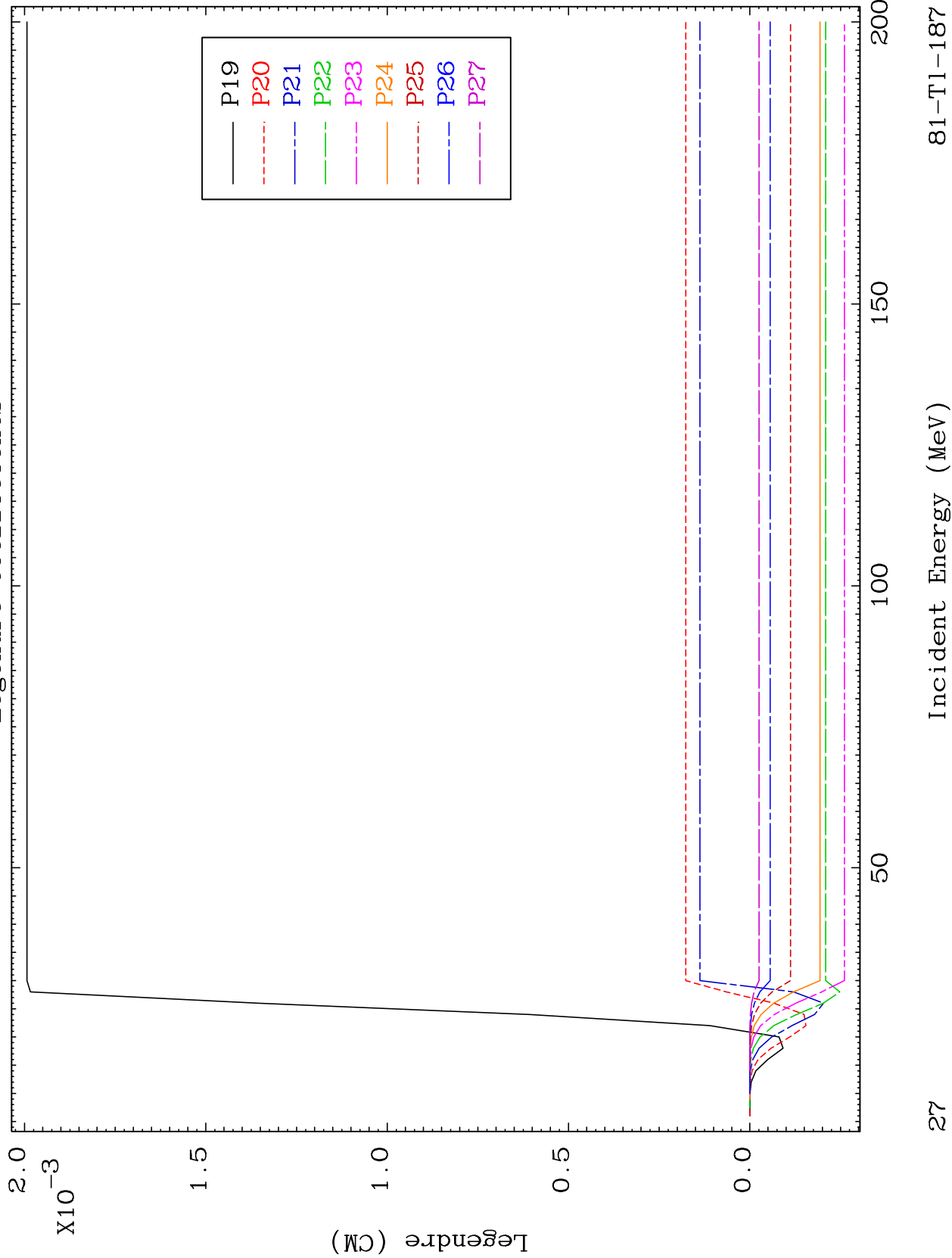
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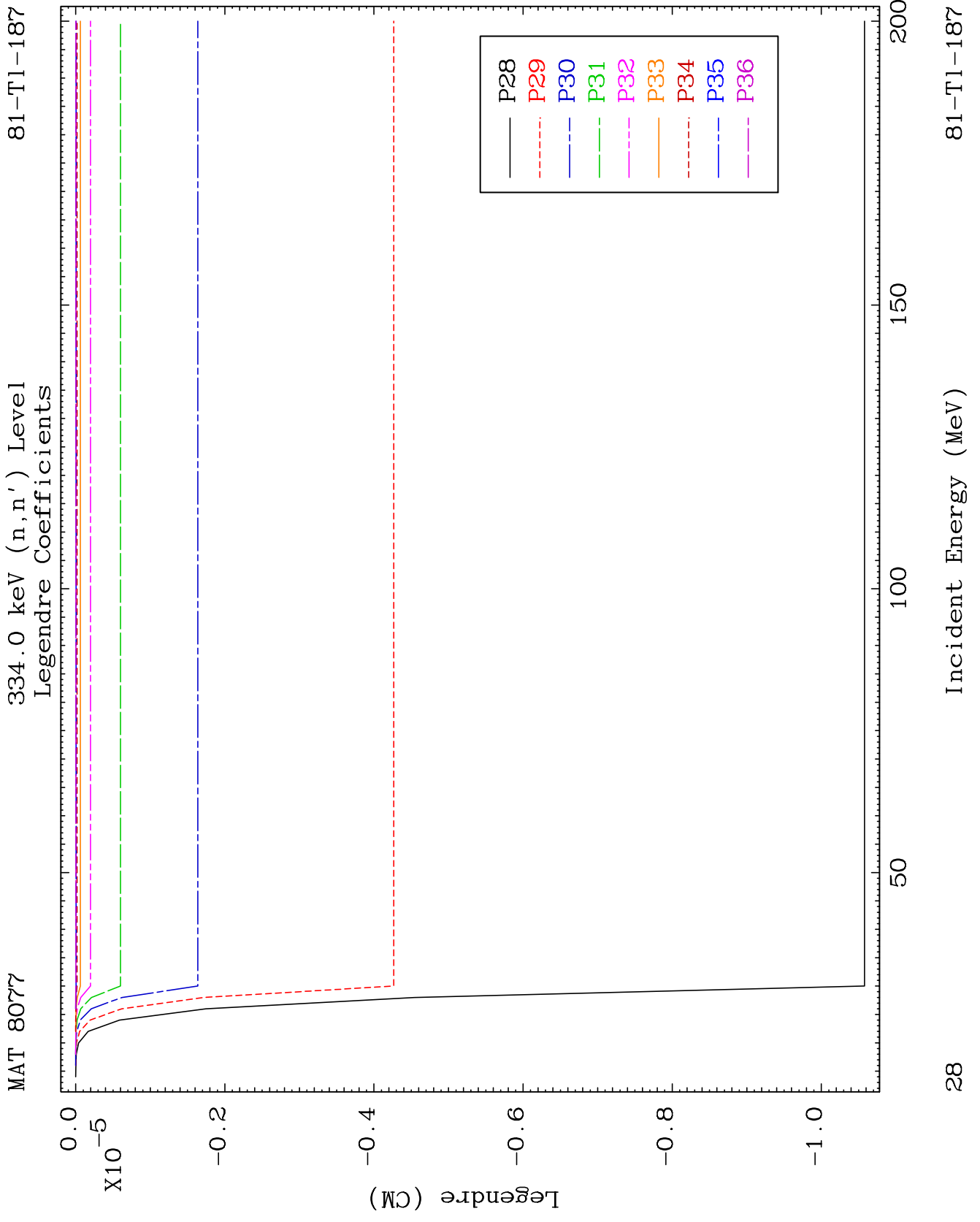


26

Incident Energy (MeV)

81-Tl-187

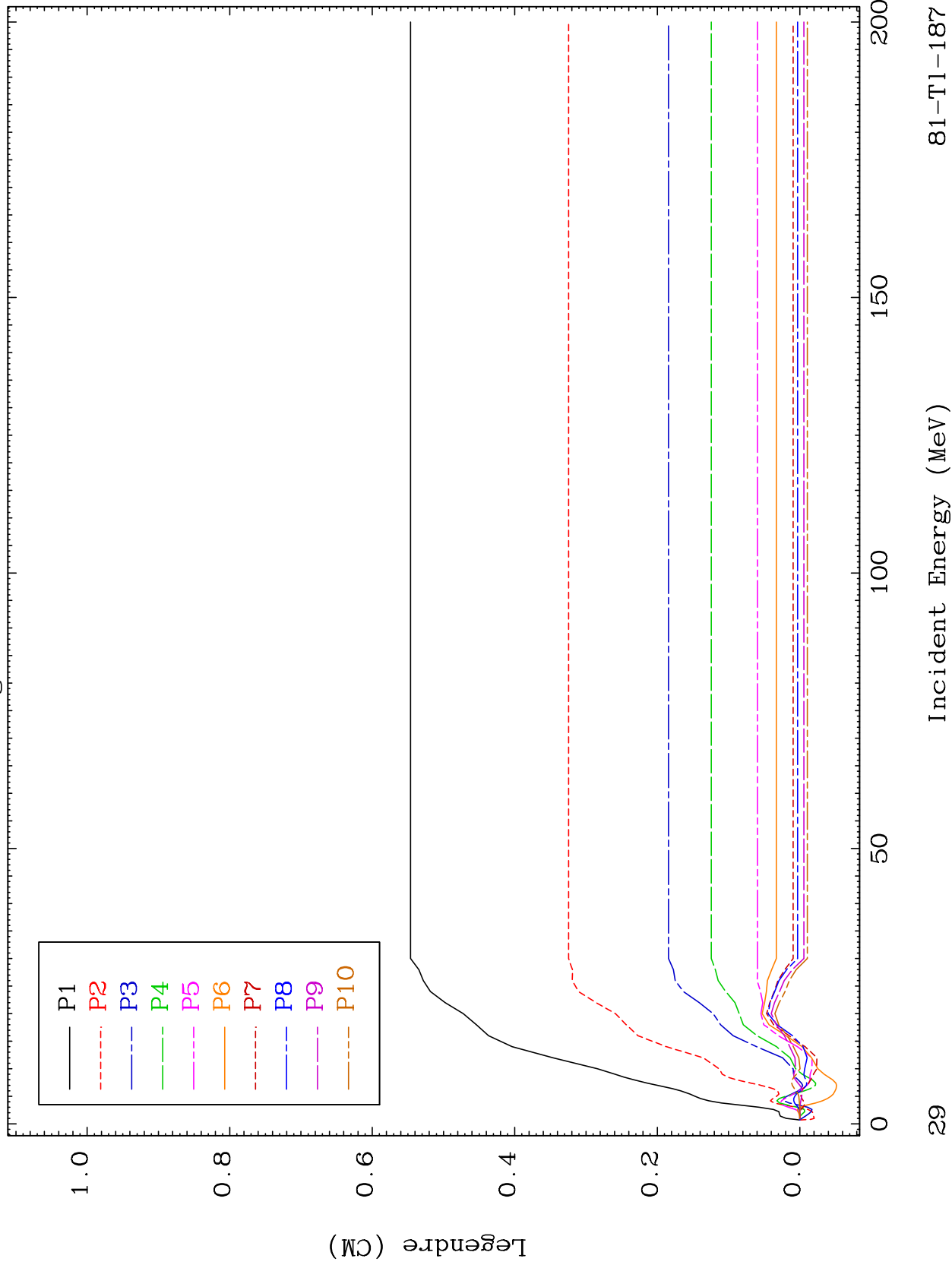


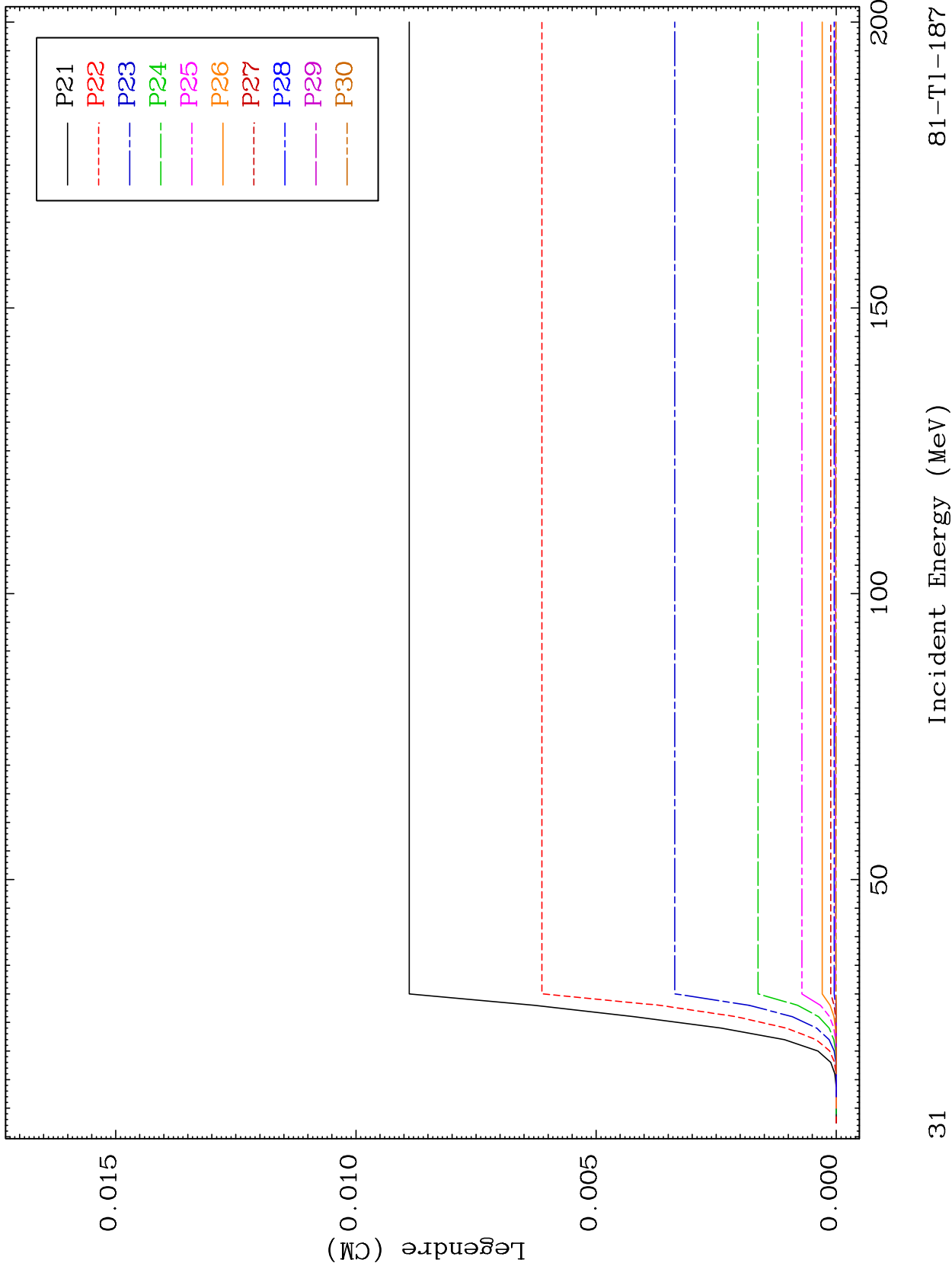


MAT 8077

677.8 keV (n,n') Level
Legendre Coefficients

81-T1-187

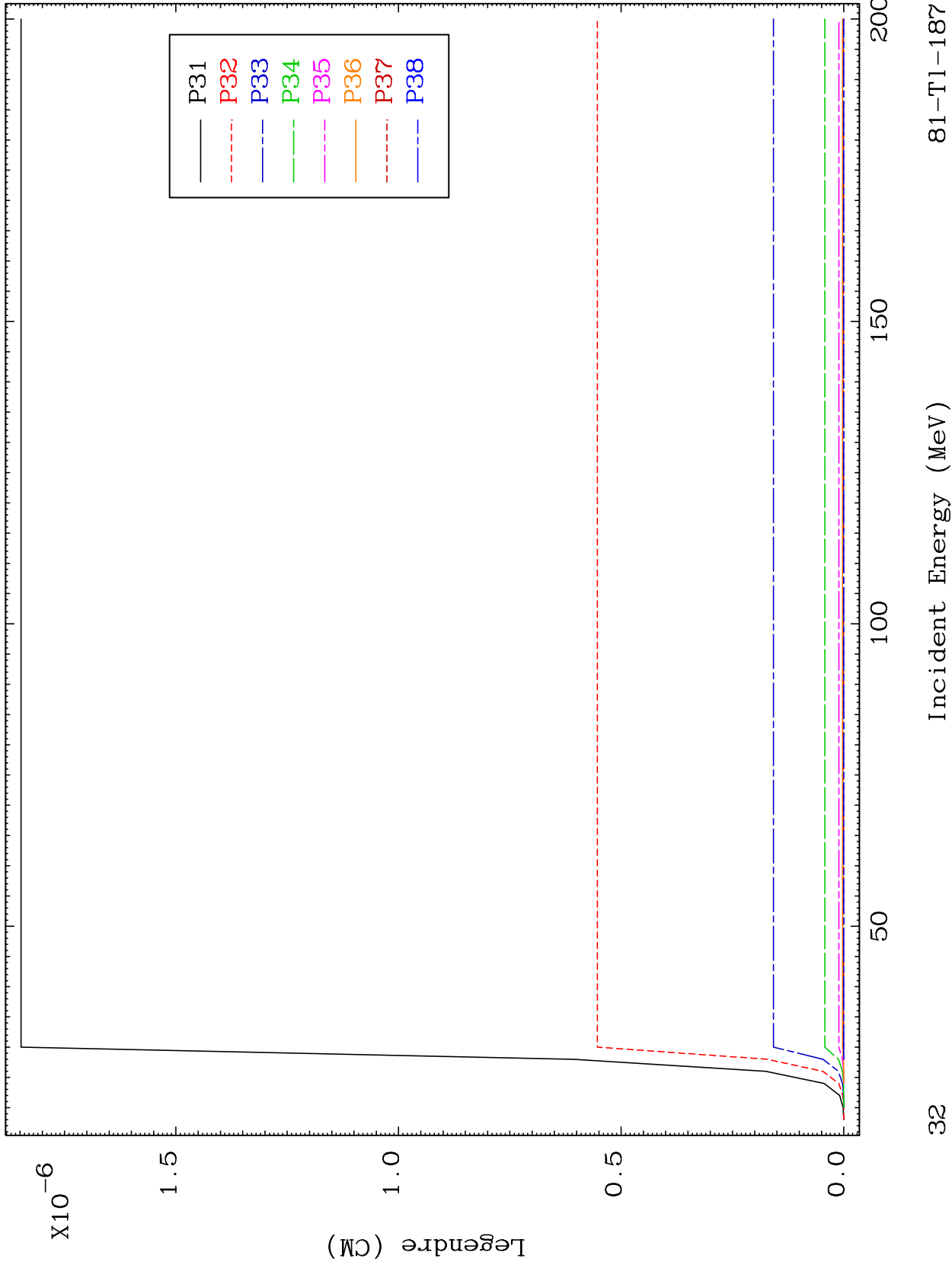




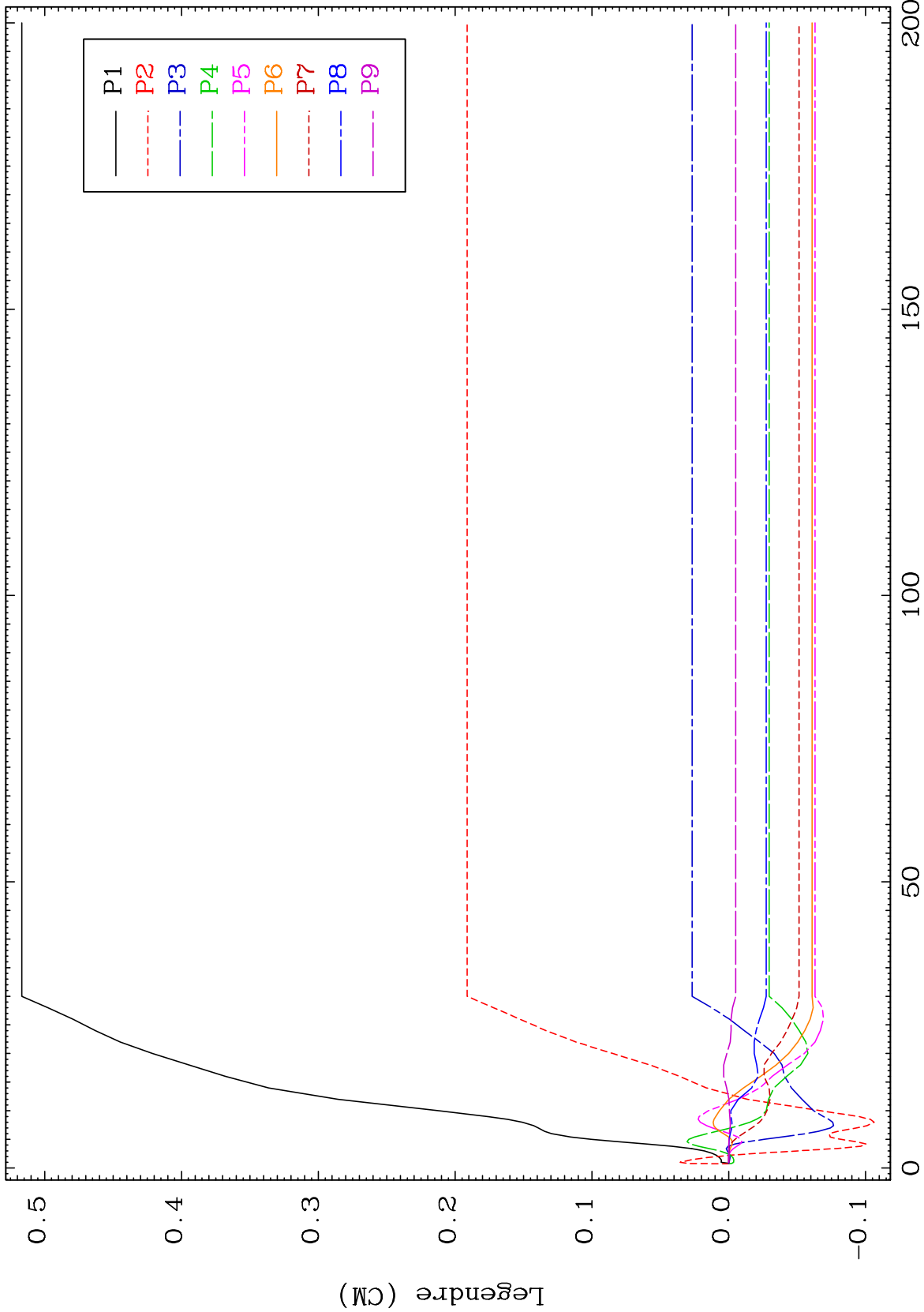
MAT 8077

677.8 keV (n,n') Level
Legendre Coefficients

81-Tl-187



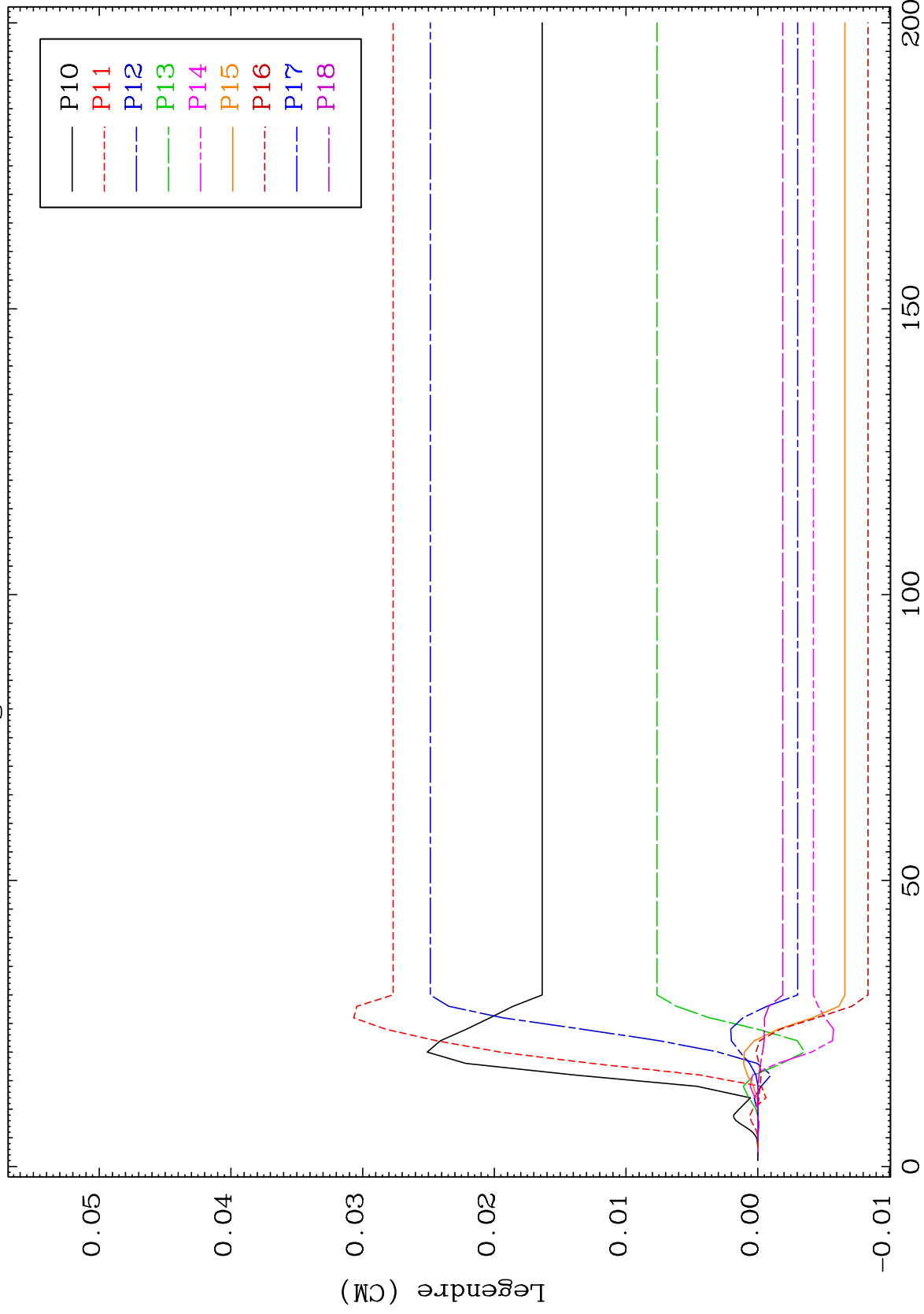
32



MAT 8077

728.1 keV (n,n') Level
Legendre Coefficients

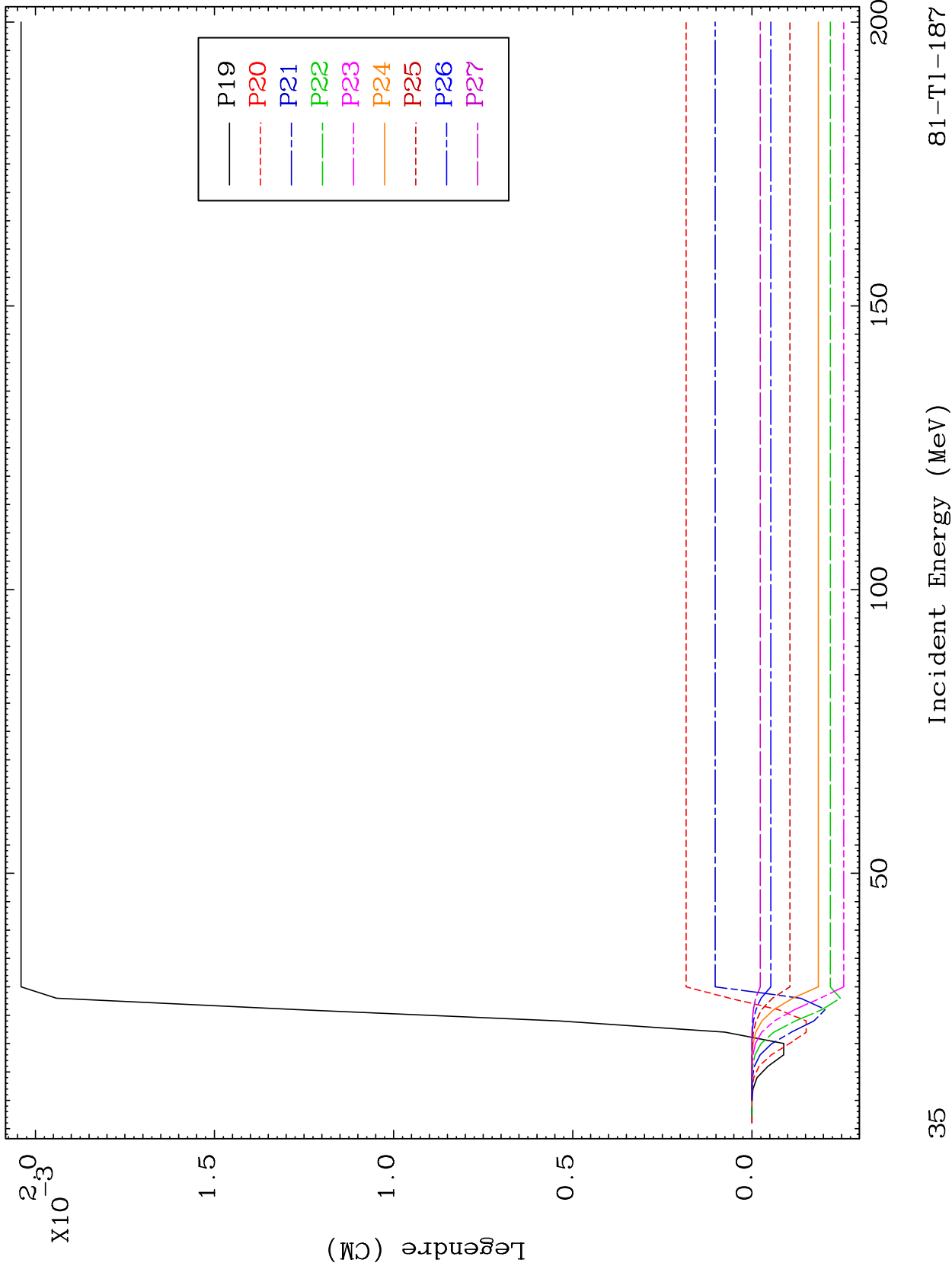
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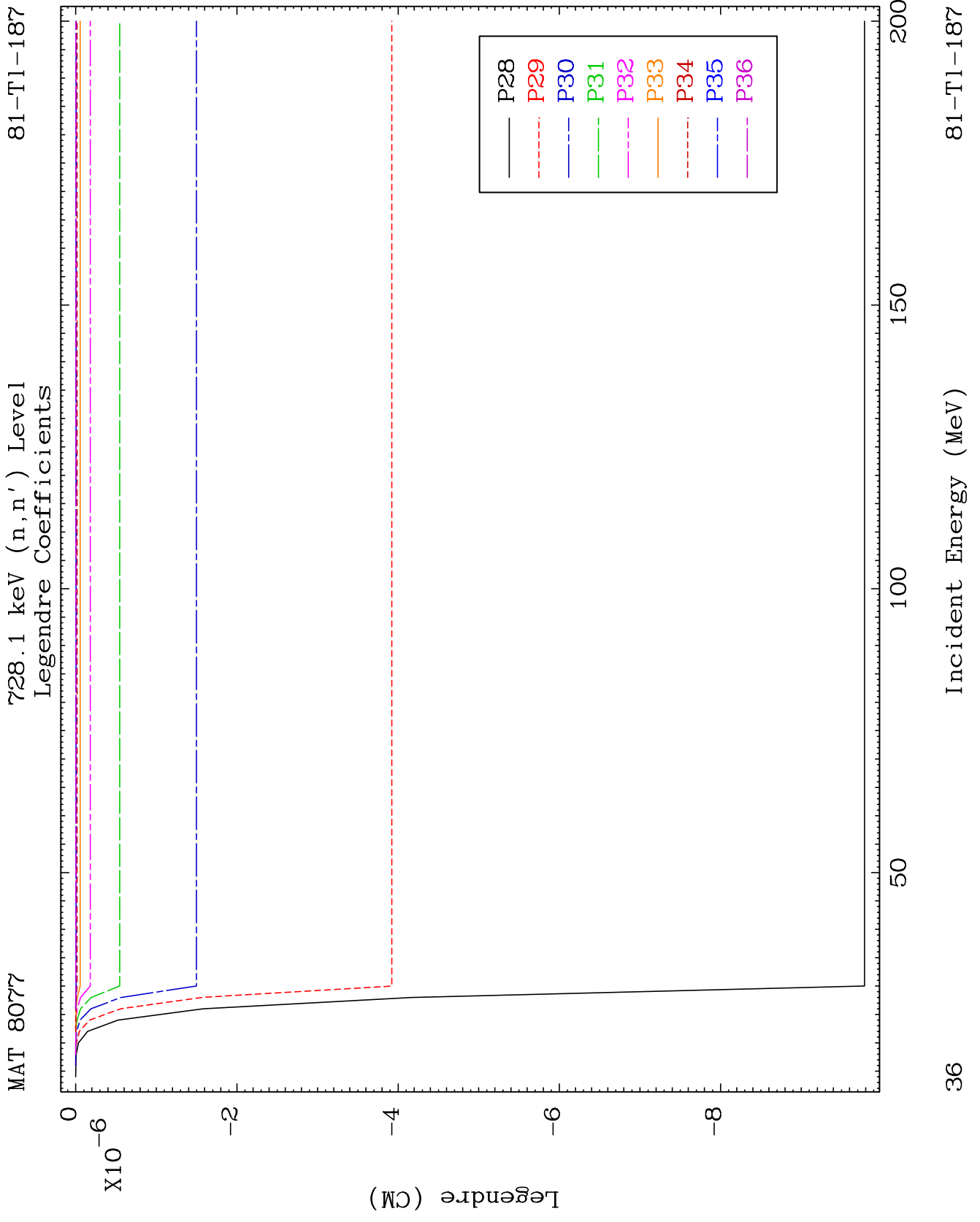


34

Incident Energy (MeV)

81-T1-187

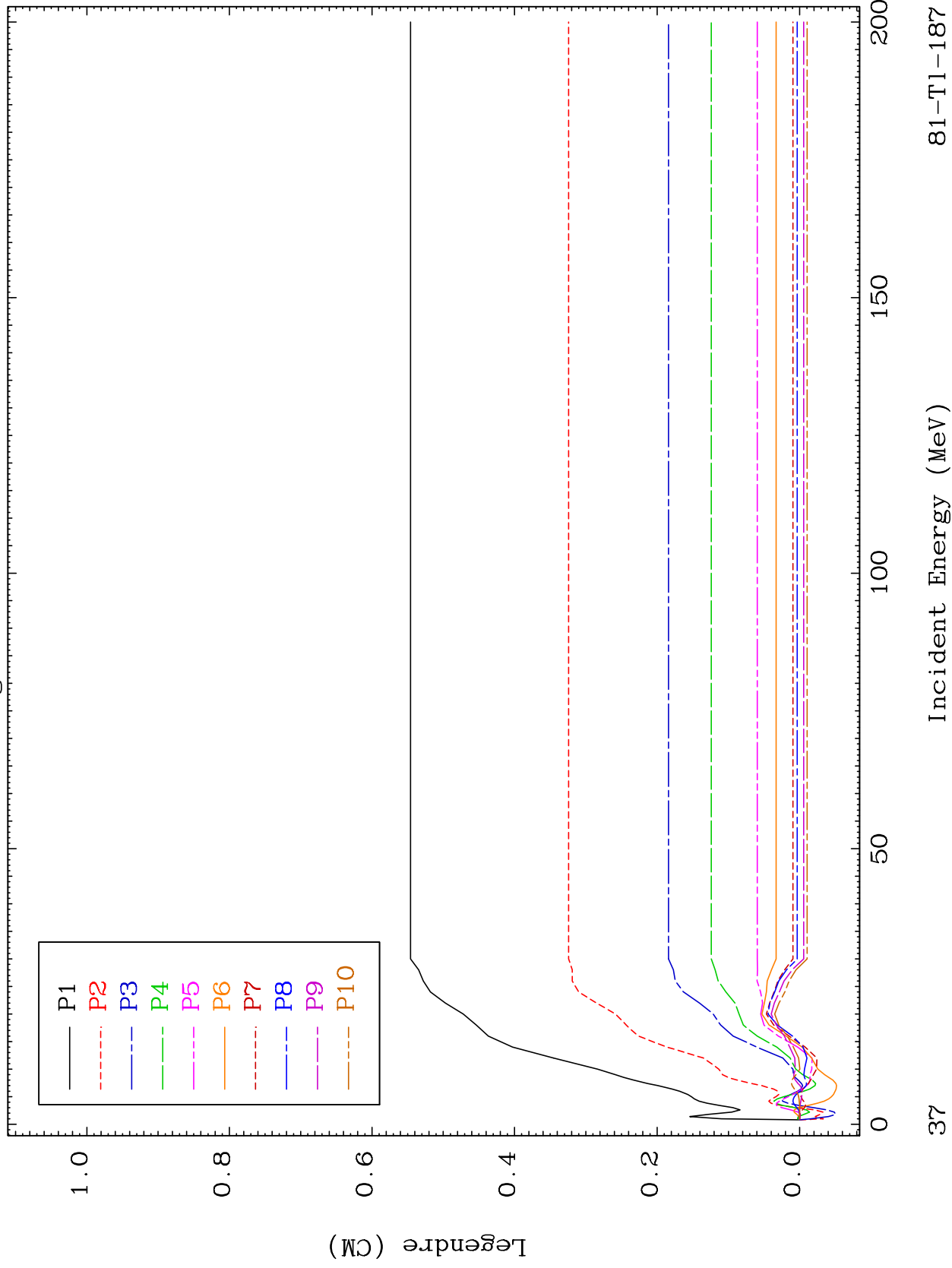




MAT 8077

747.9 keV (n,n') Level
Legendre Coefficients

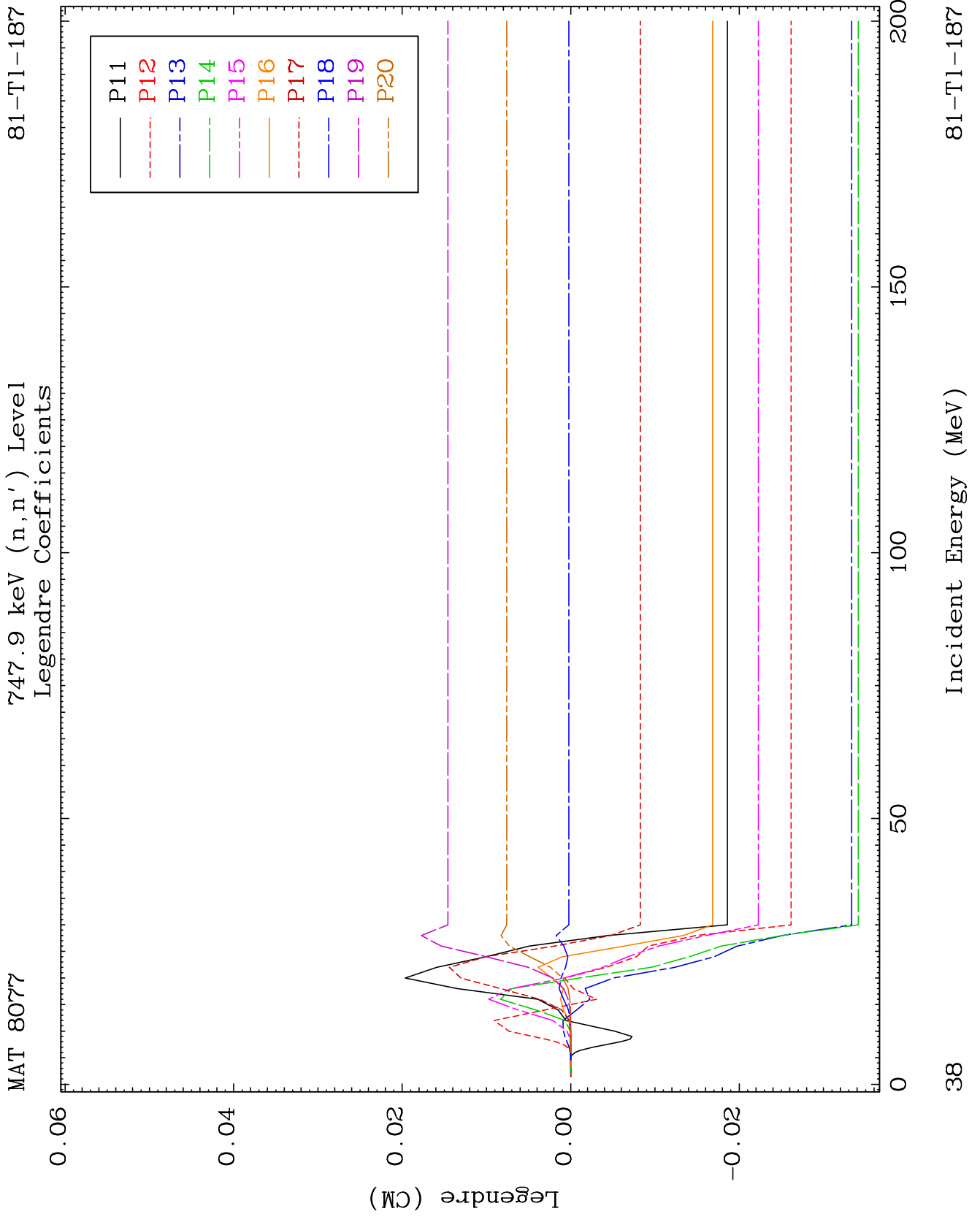
81-Tl-187



81-Tl-187

Incident Energy (MeV)

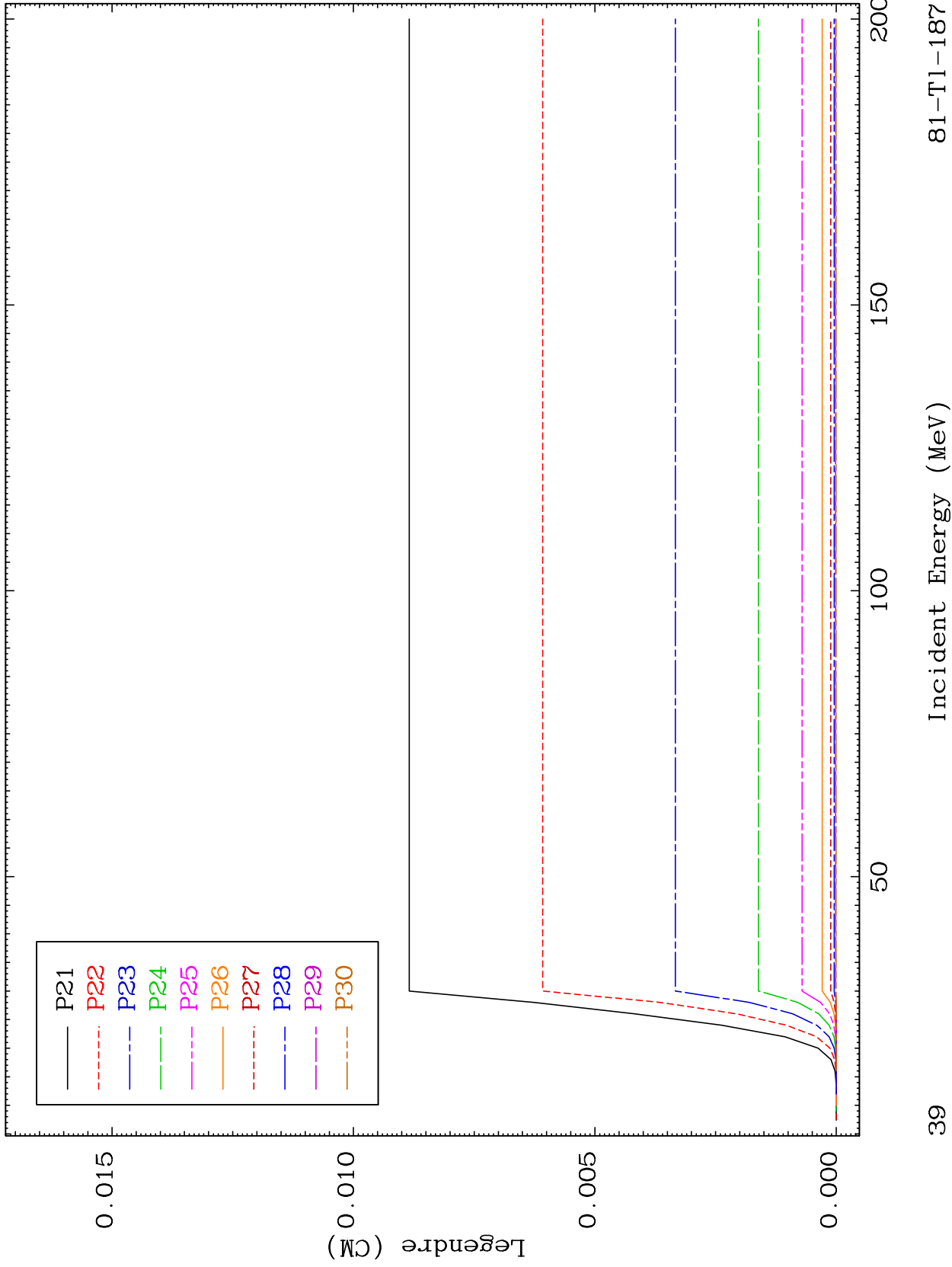
37



MAT 80777

747.9 keV (n,n') Level
Legendre Coefficients

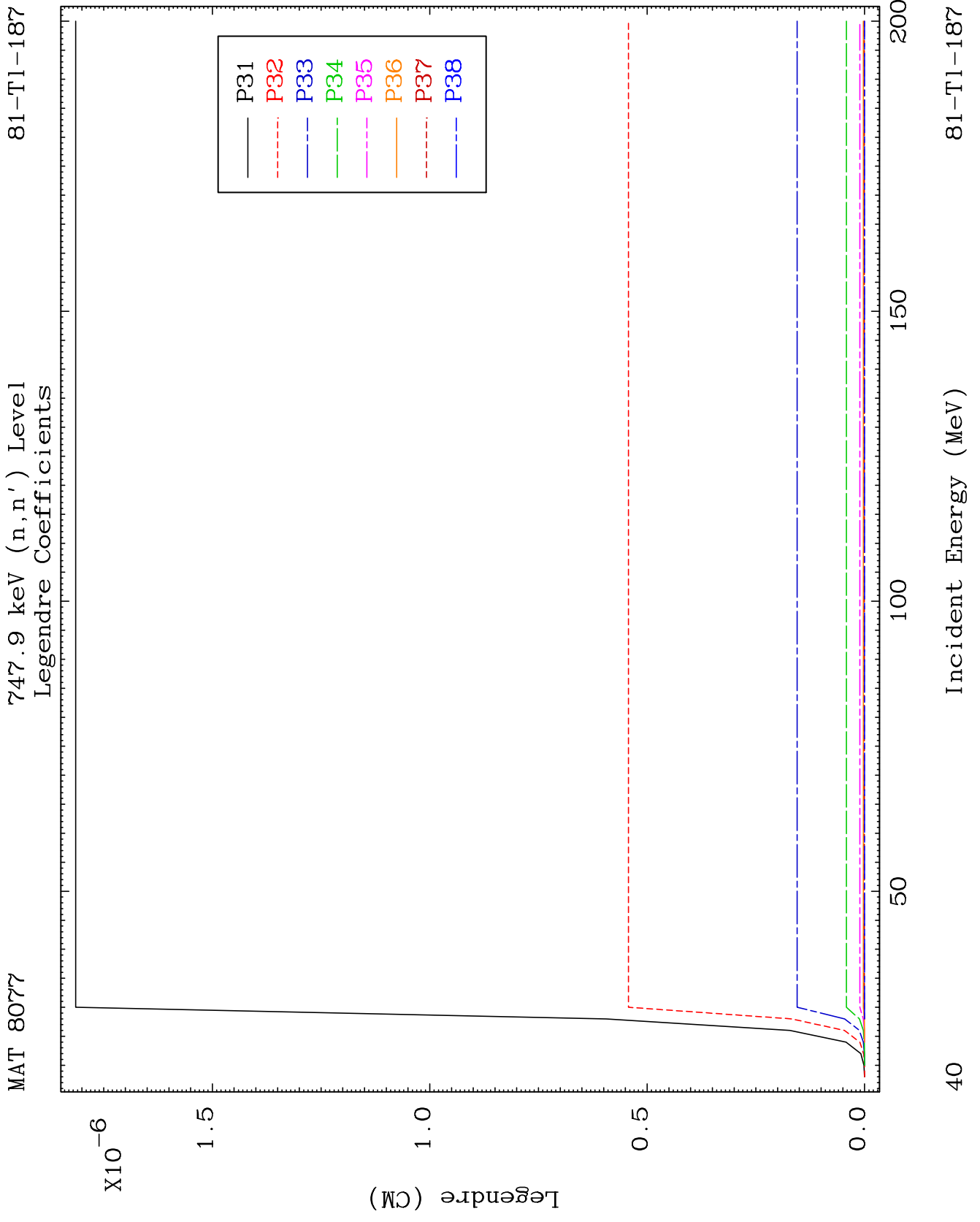
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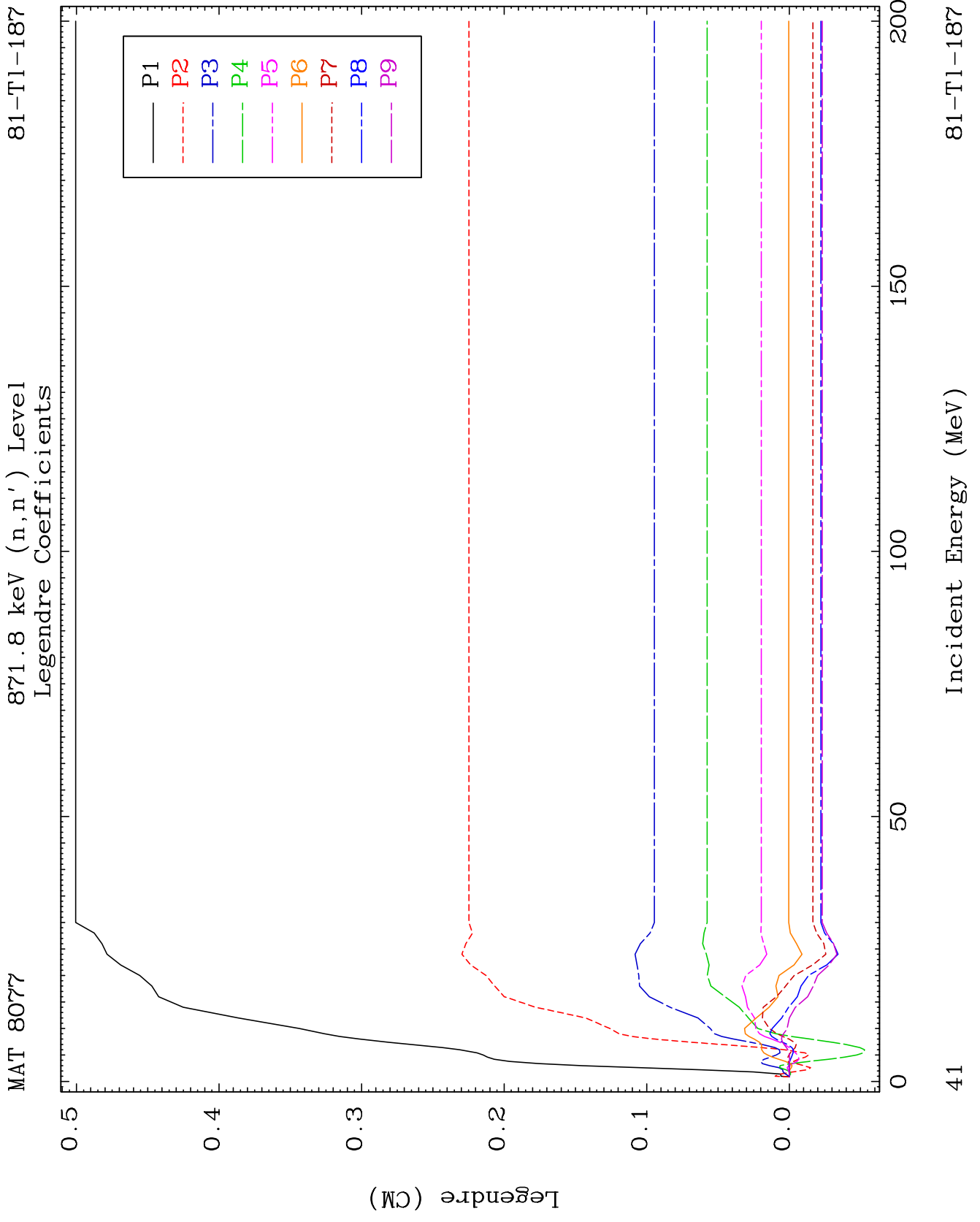


39

Incident Energy (MeV)

81-Tl-187

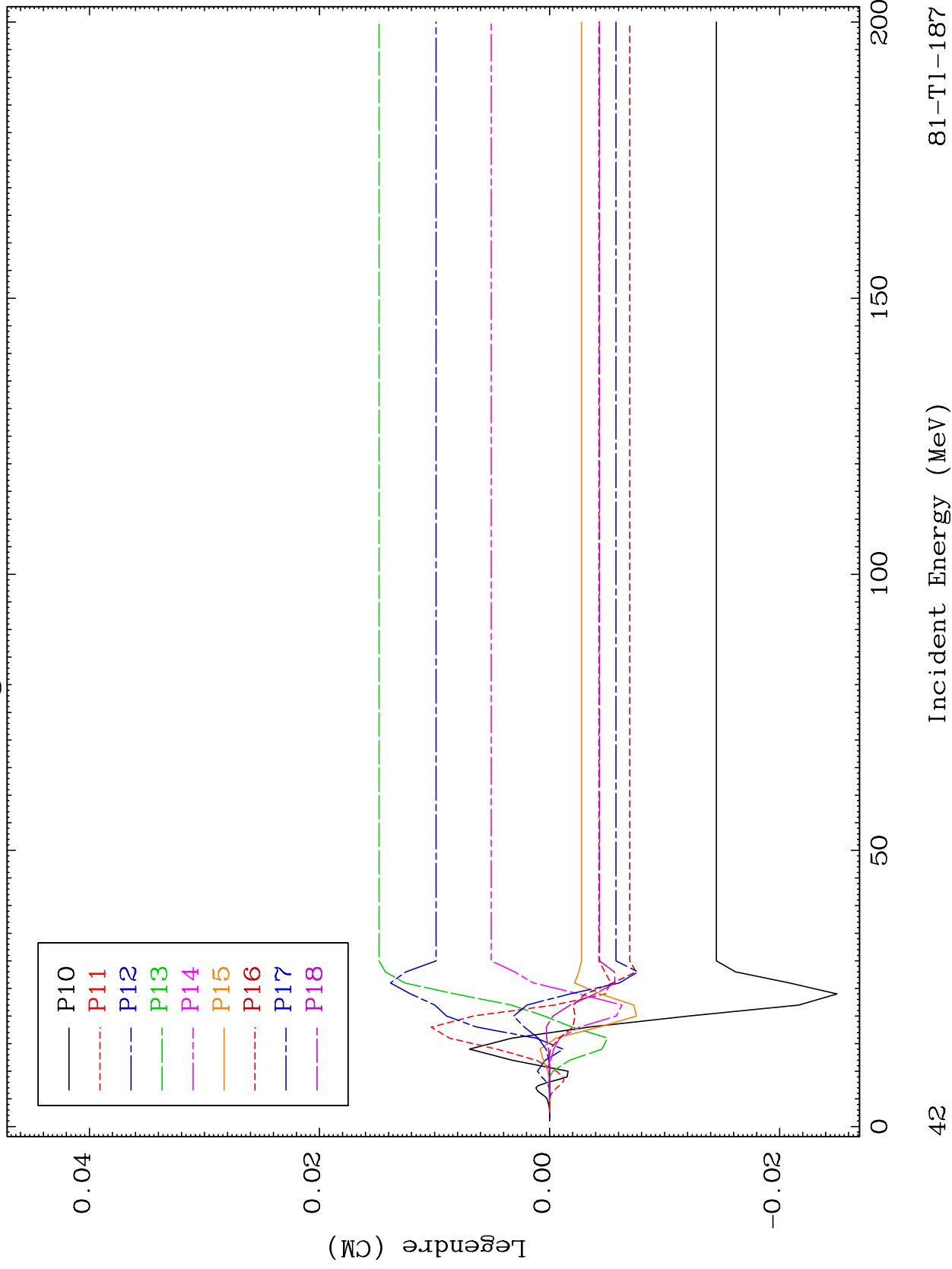




MAT 8077

871.8 keV (n,n') Level
Legendre Coefficients

81-Tl-187



81-Tl-187

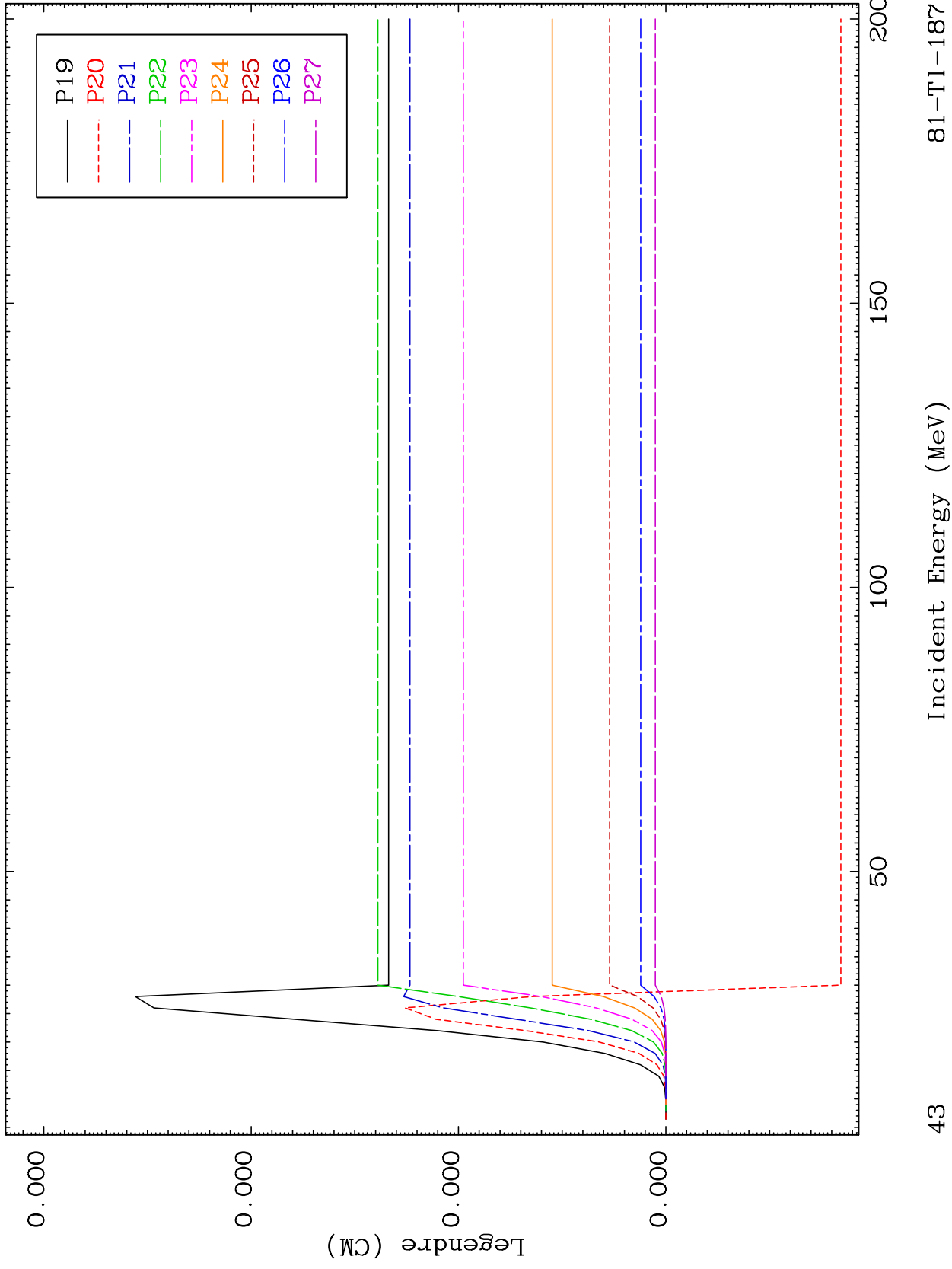
Incident Energy (MeV)

42

MAT 8077

871.8 keV (n,n') Level
Legendre Coefficients

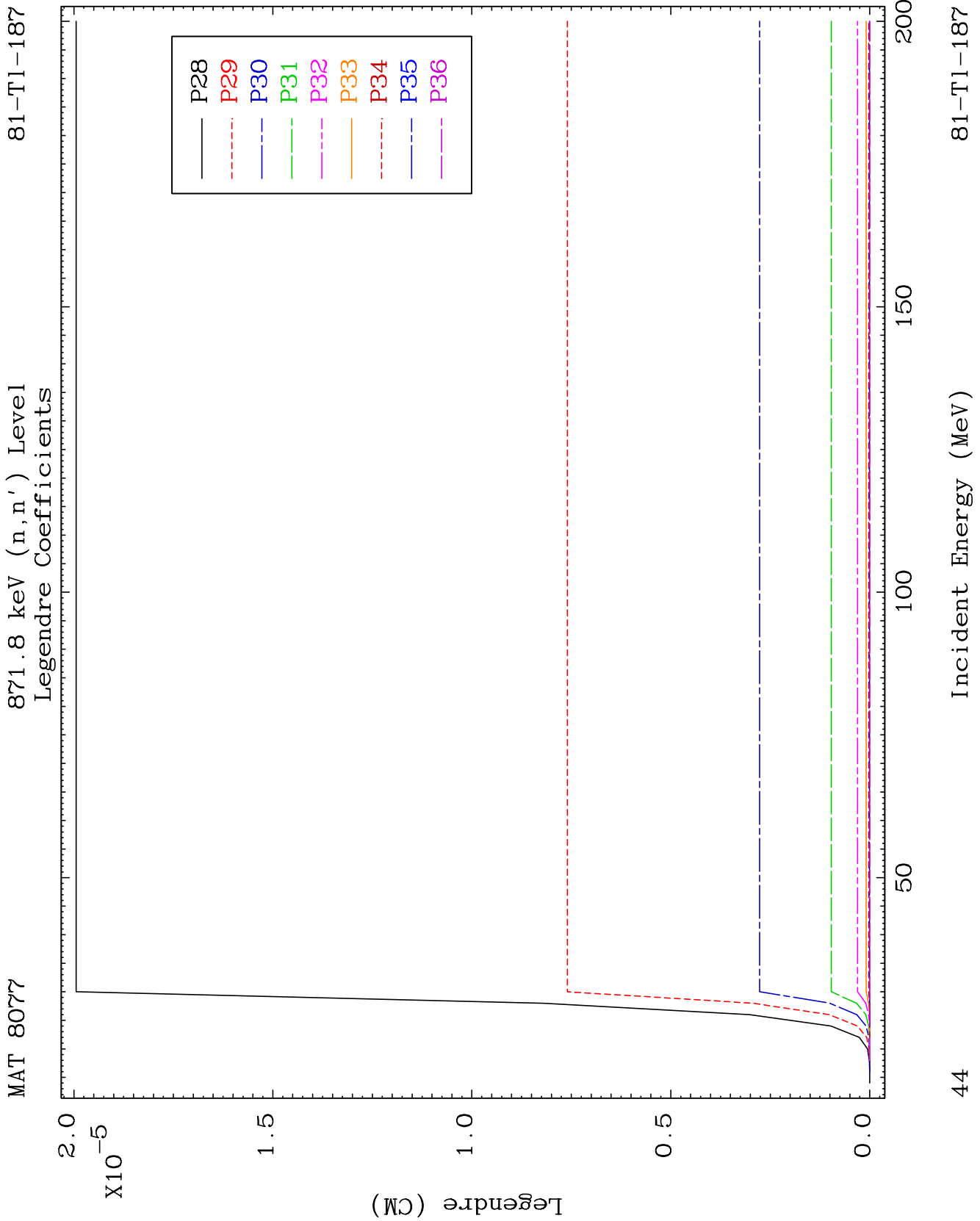
81-T1-187



43

Incident Energy (MeV)

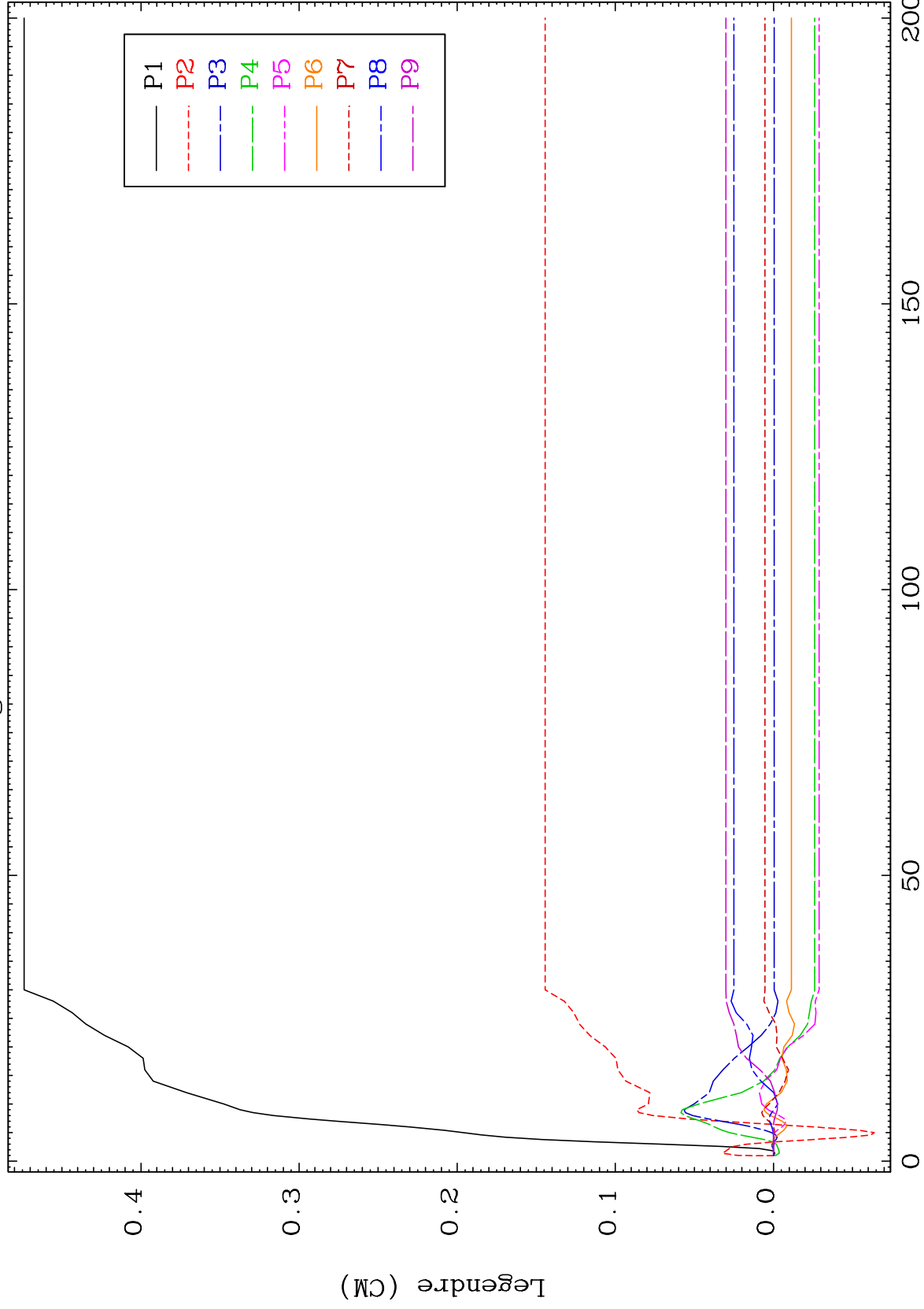
81-T1-187



MAT 80777

950.9 keV (n,n') Level
Legendre Coefficients

81-T1-187



81-T1-187

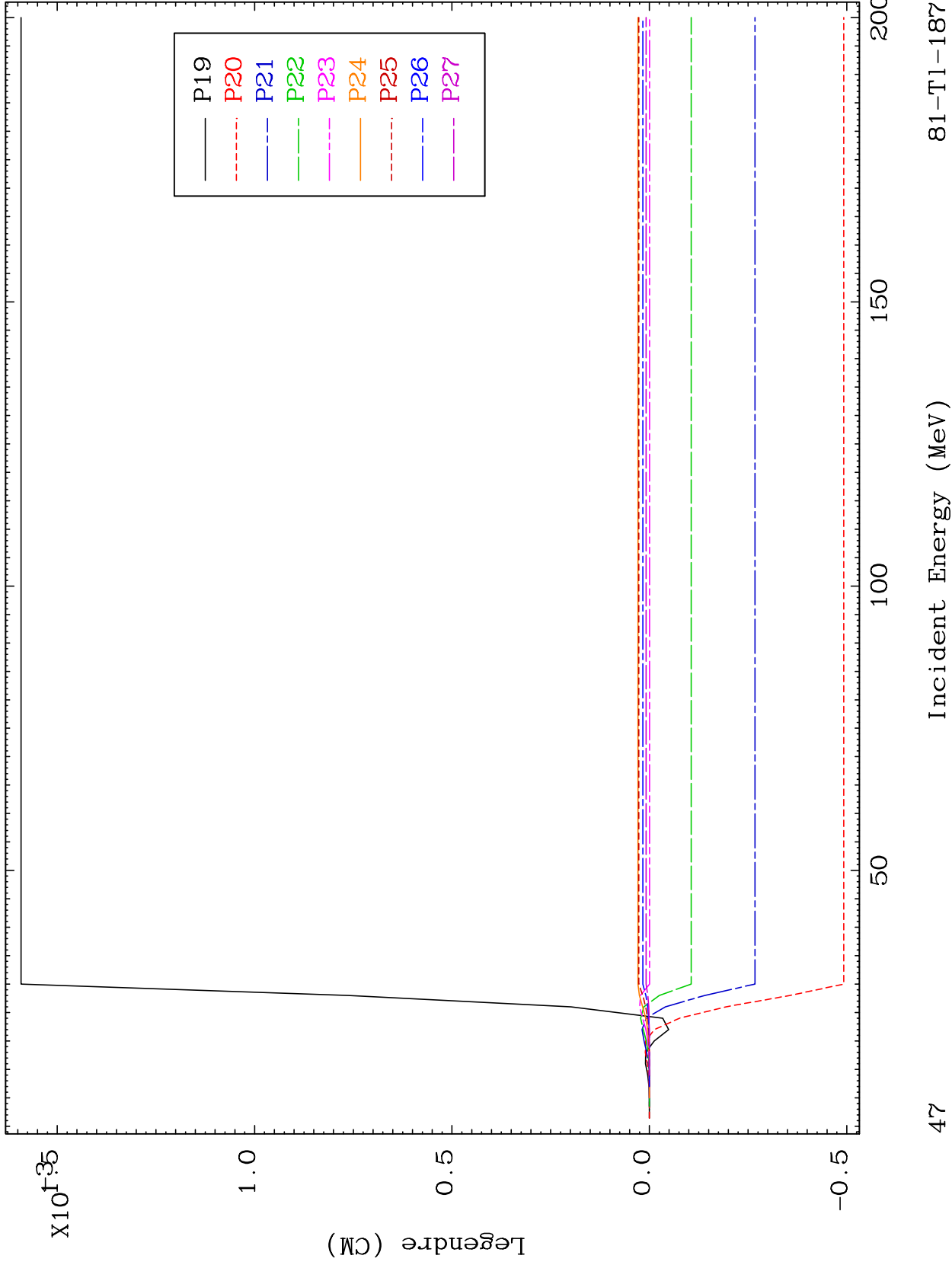
Incident Energy (MeV)

45

MAT 8077

950.9 keV (n,n') Level
Legendre Coefficients

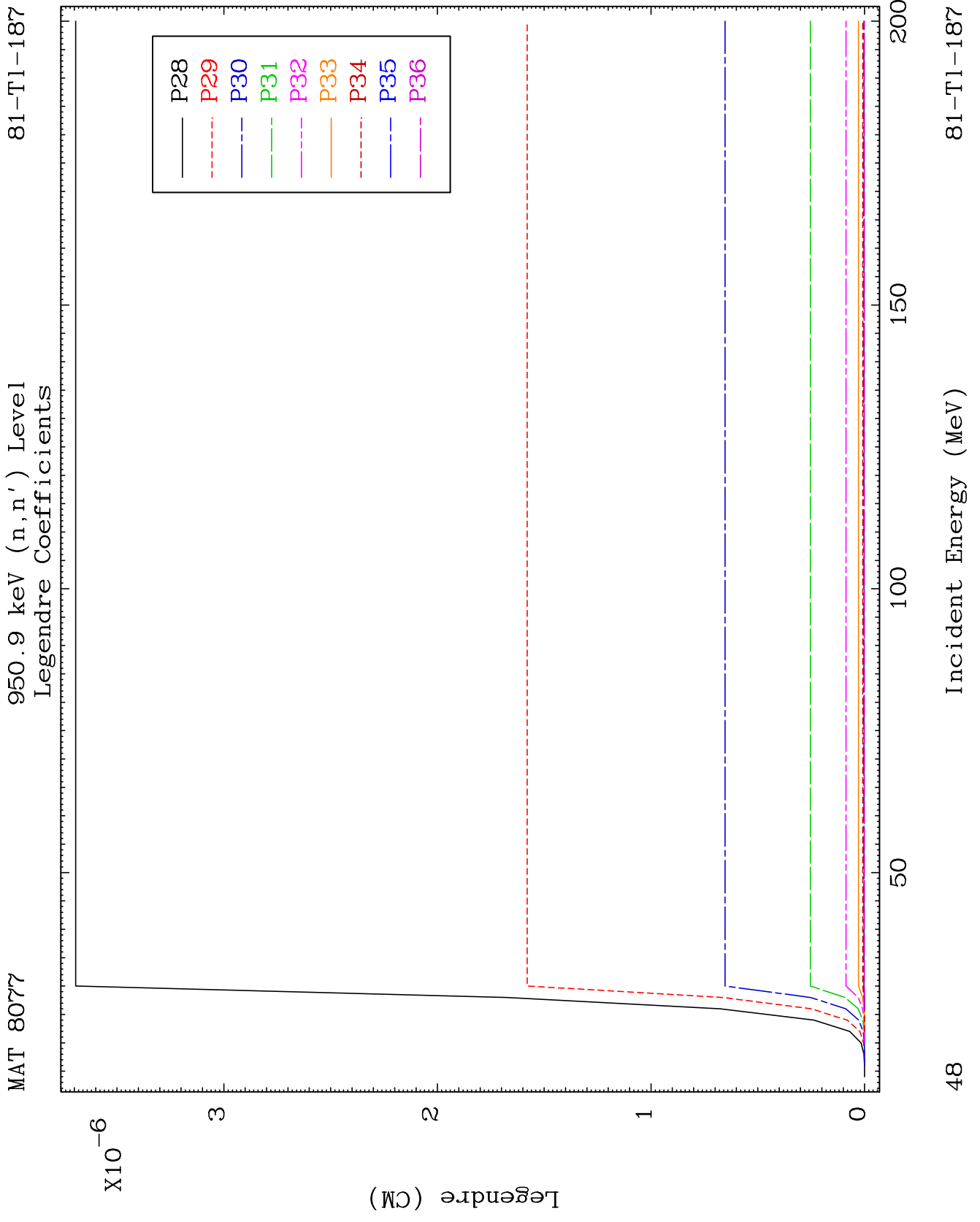
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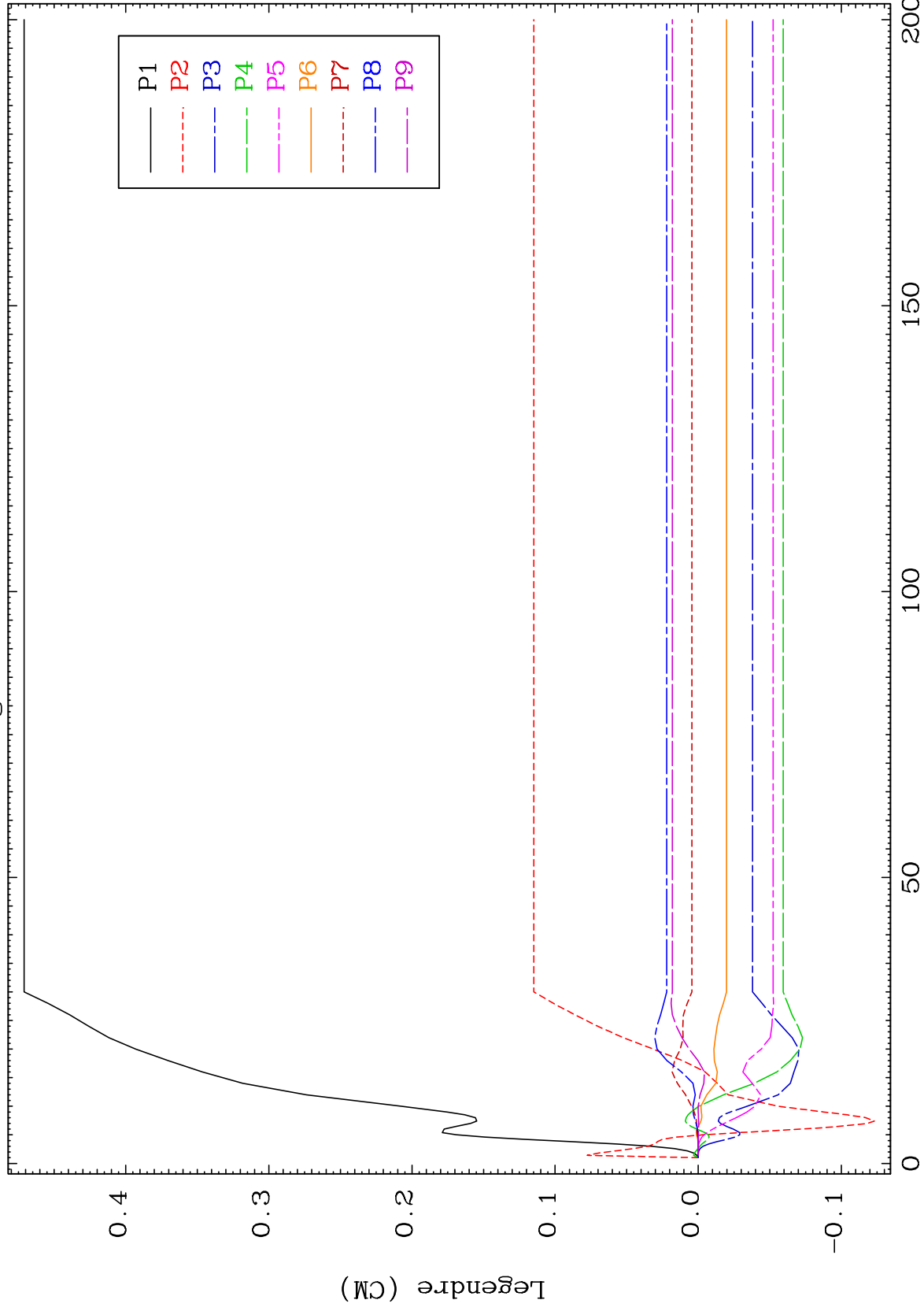


47

Incident Energy (MeV)

81-T1-187

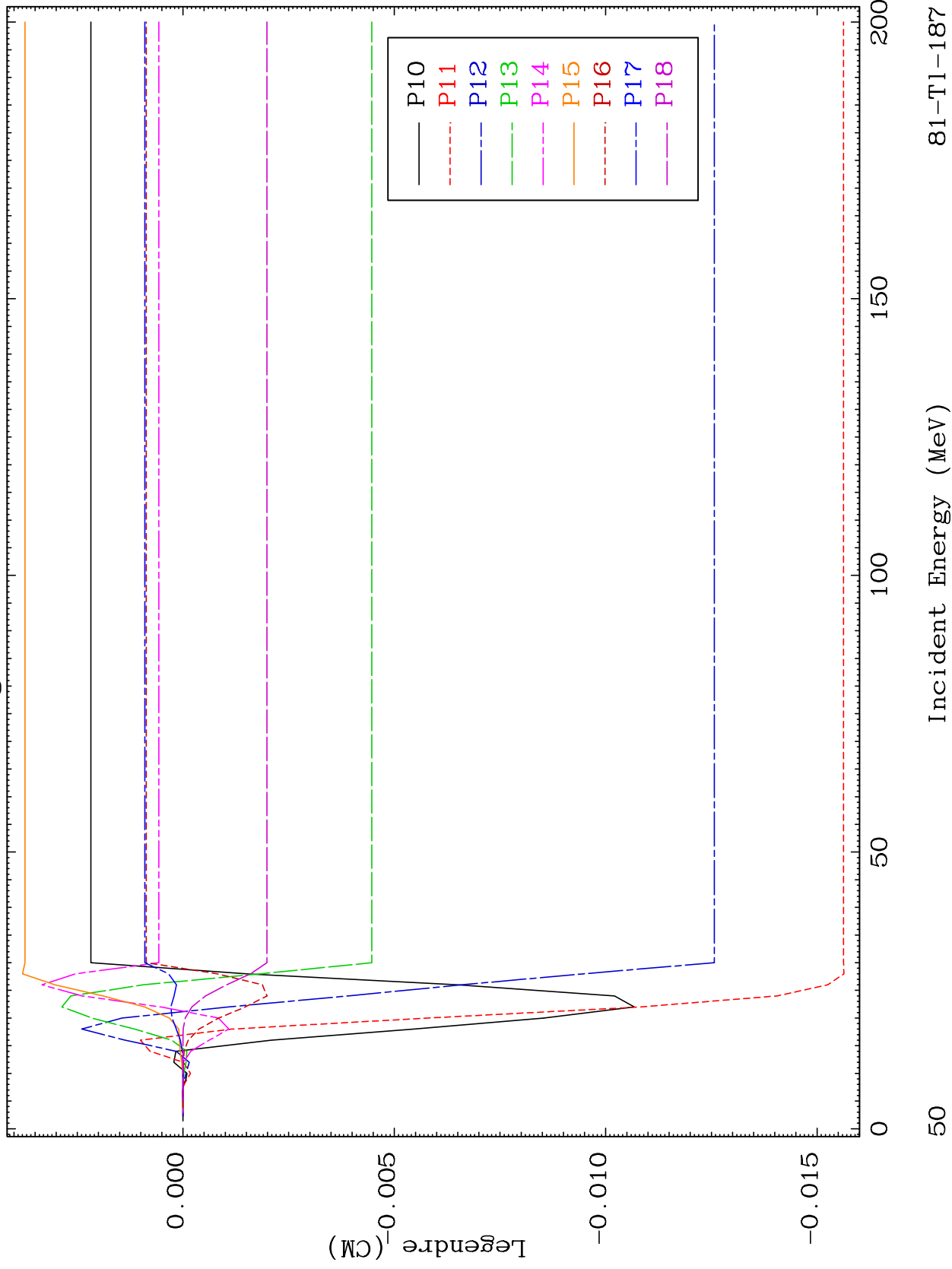




MAT 8077

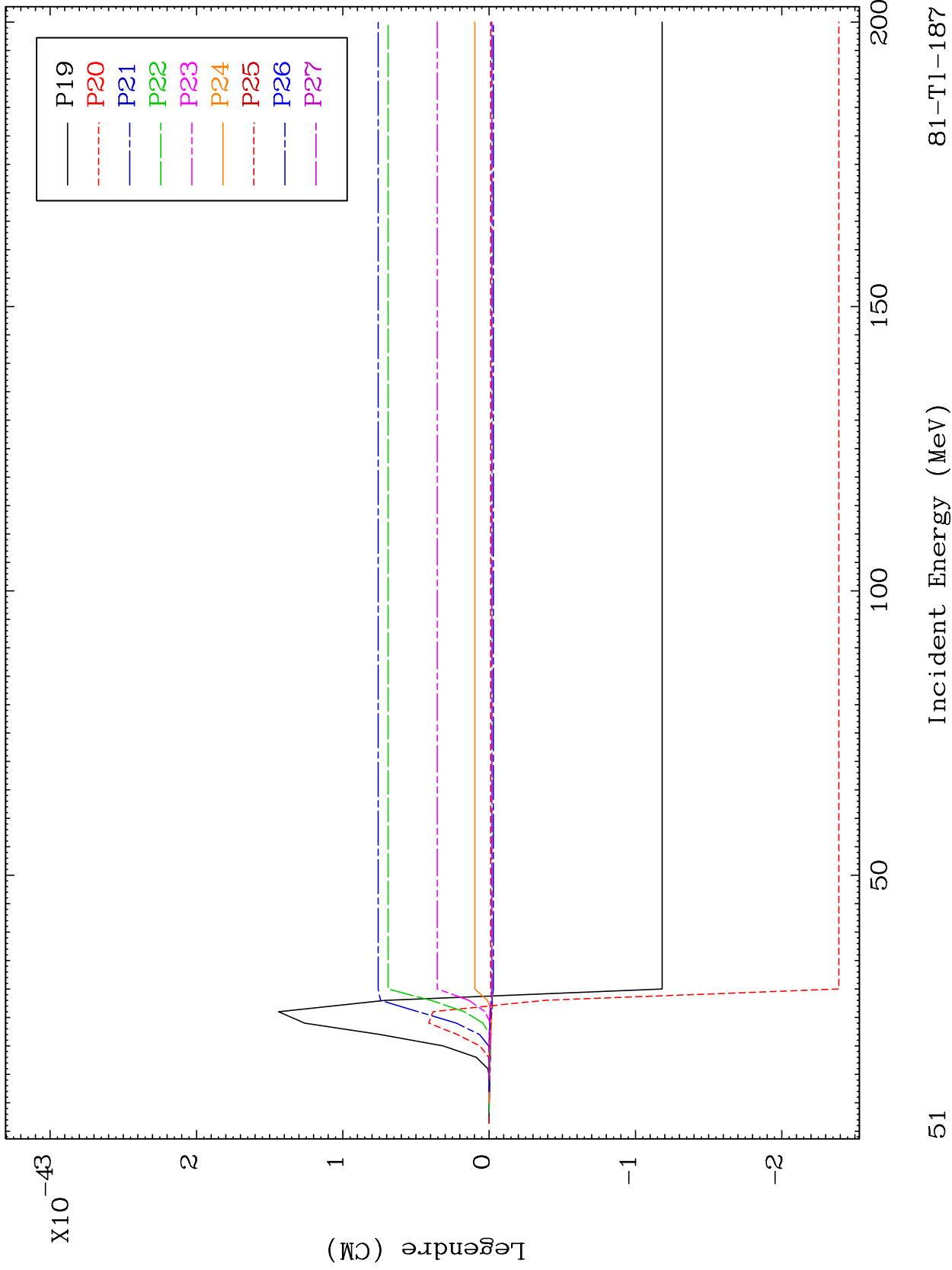
996.3 keV (n,n') Level
Legendre Coefficients

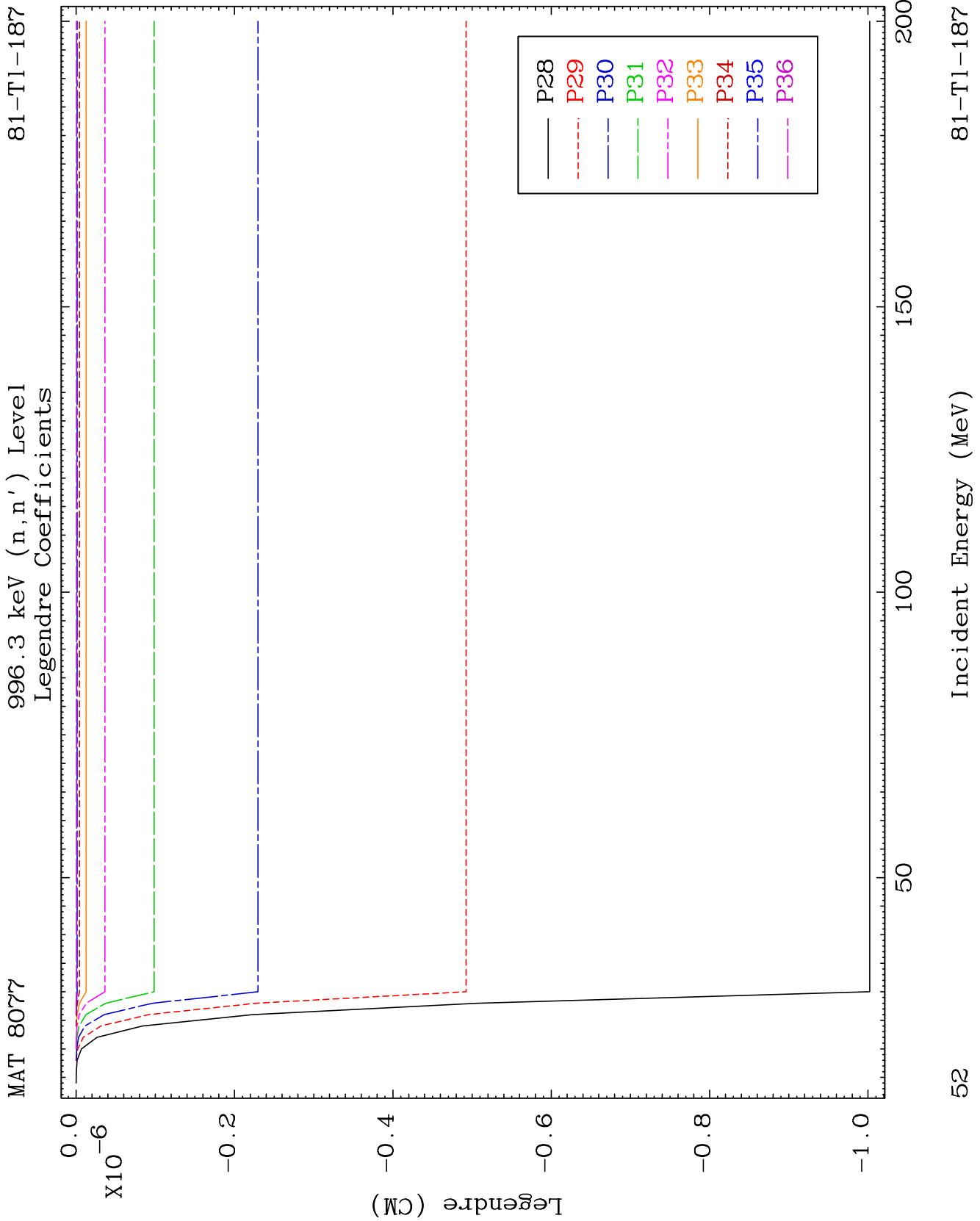
81-Tl-187

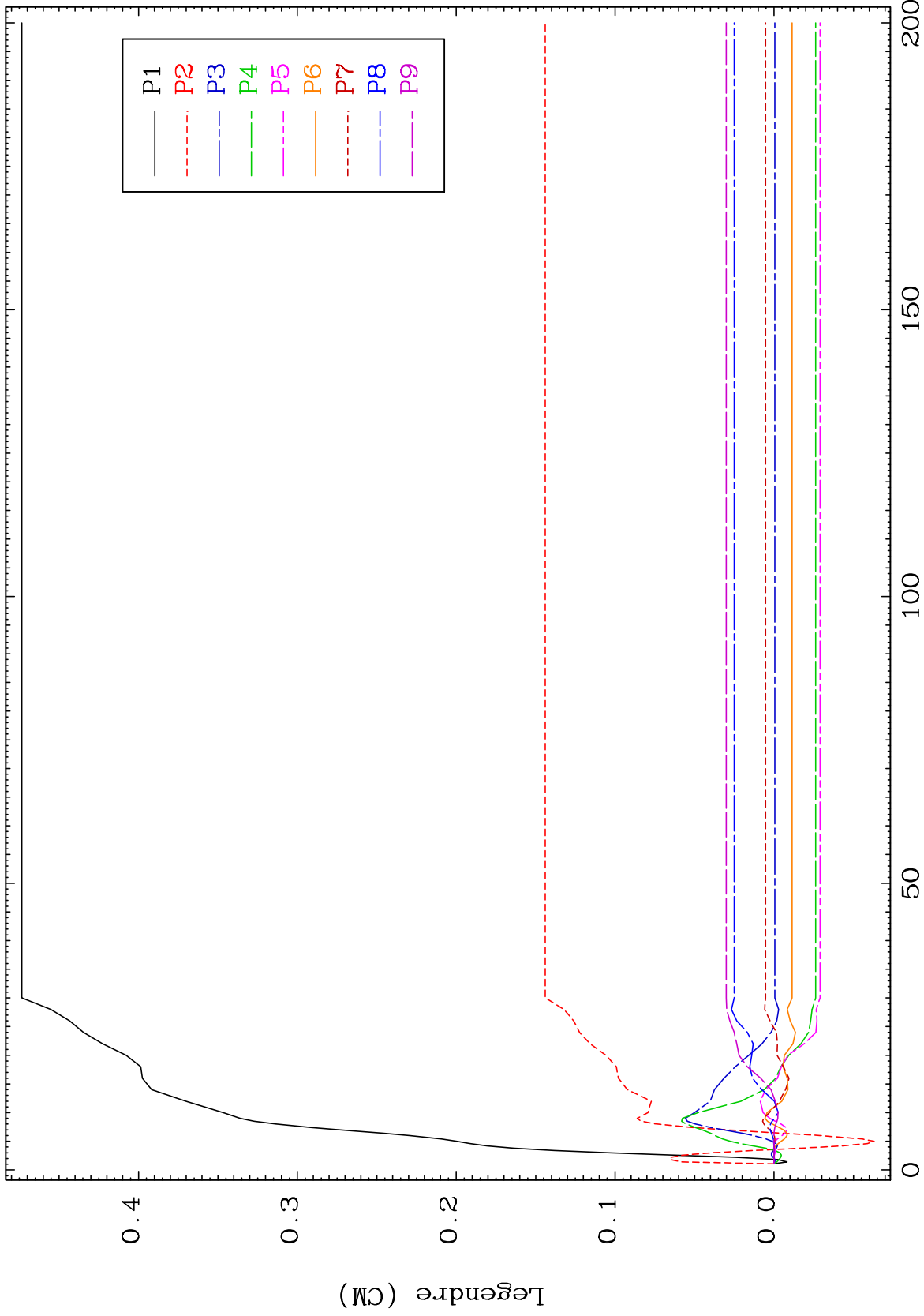


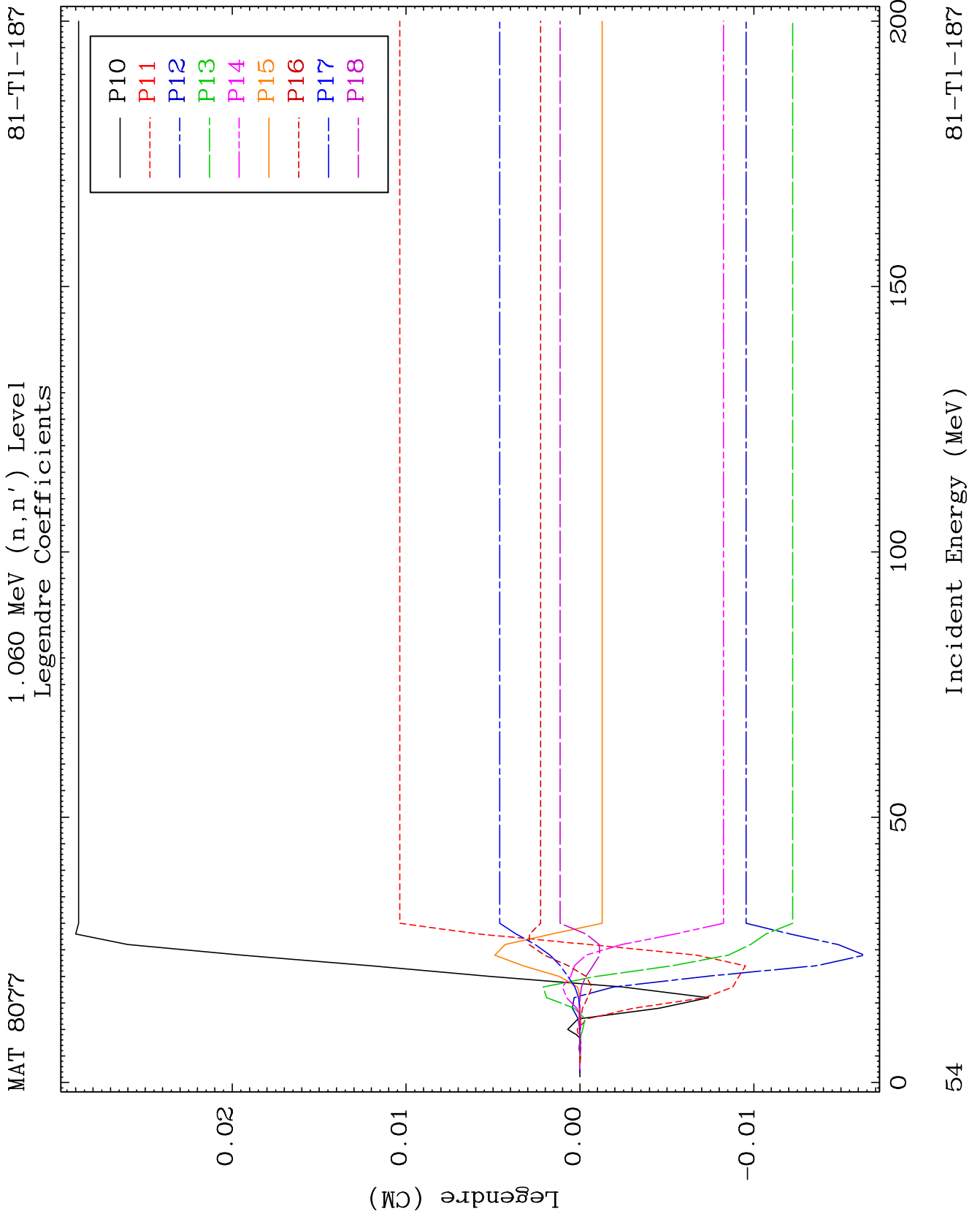
81-Tl-187

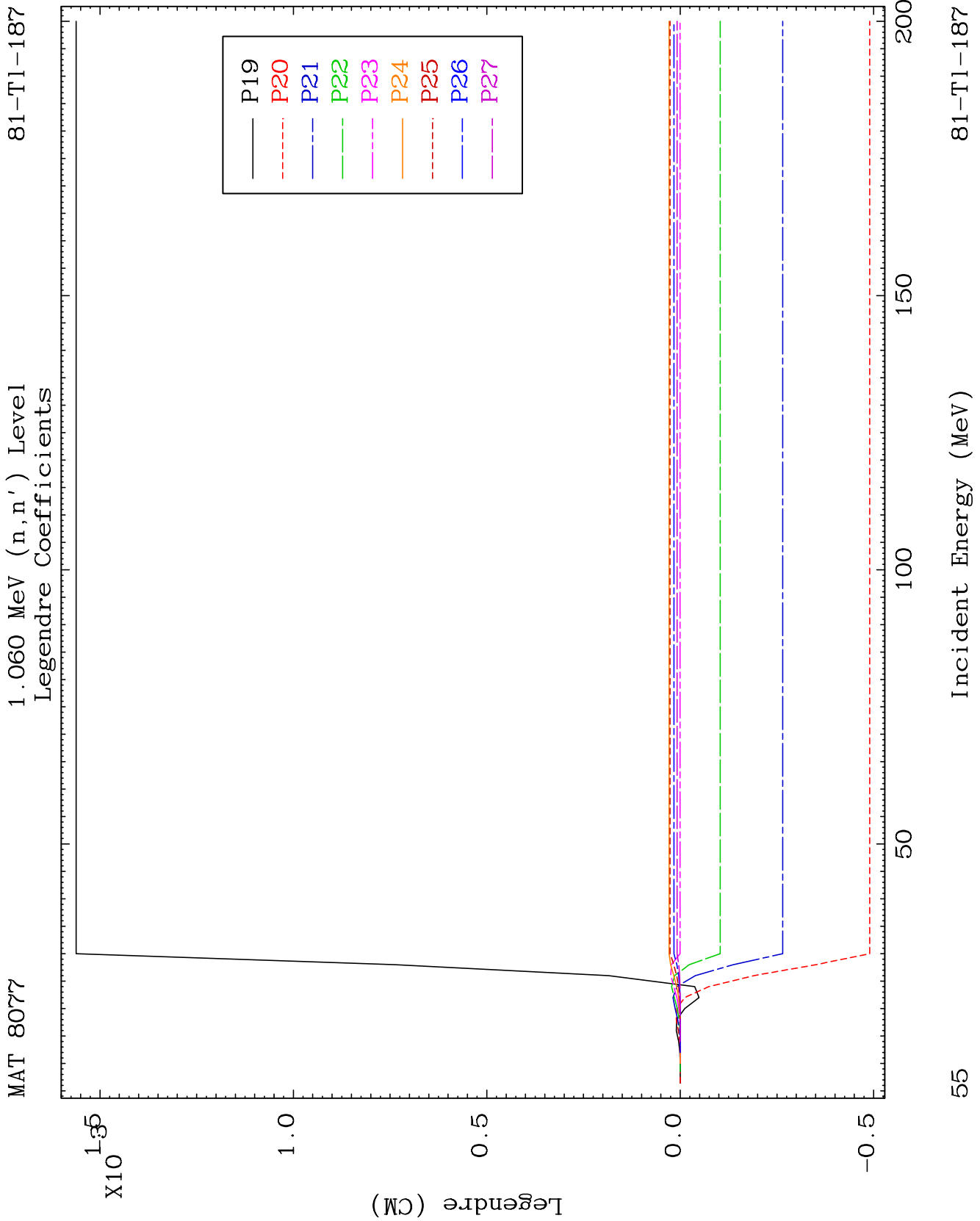
Incident Energy (MeV)

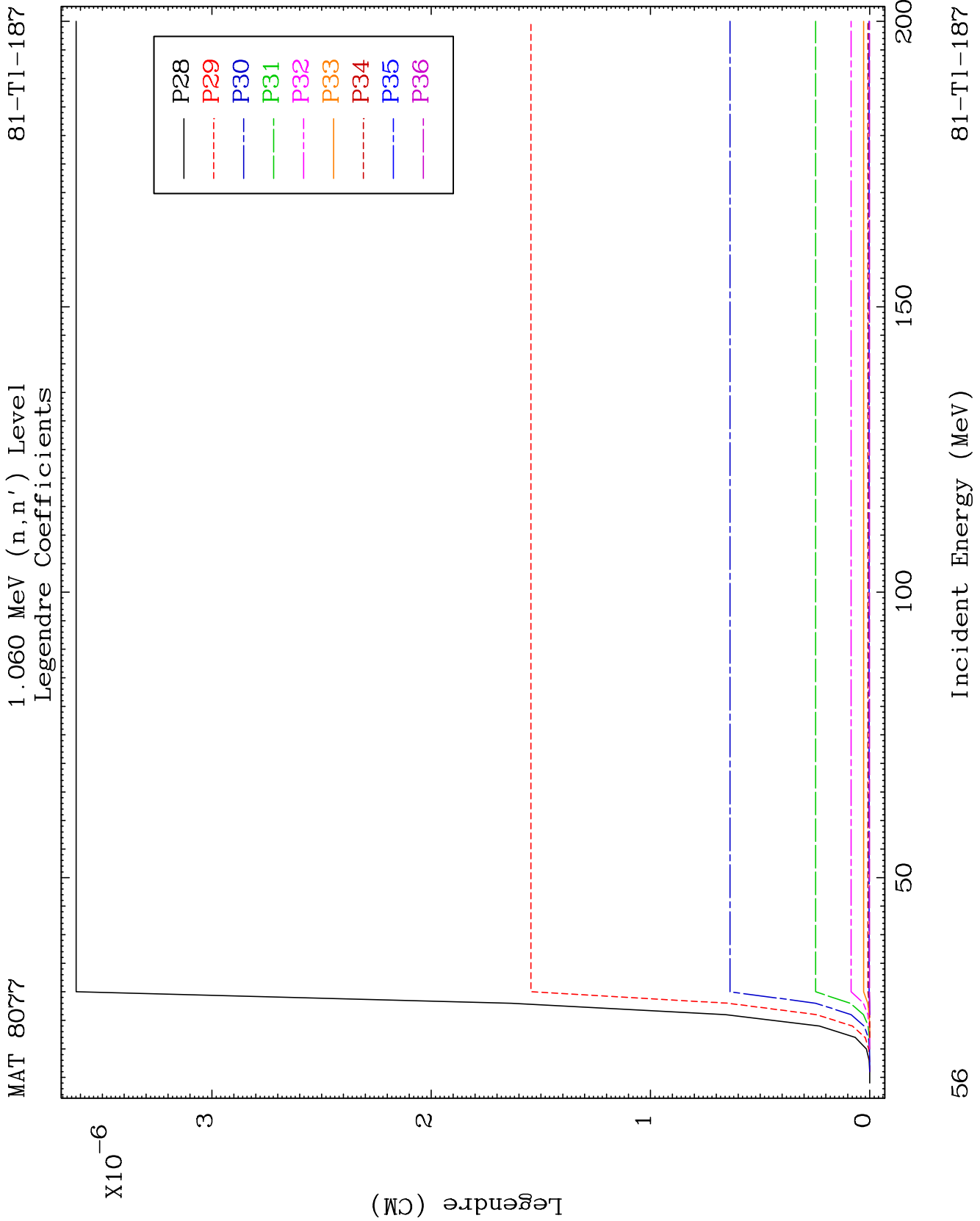


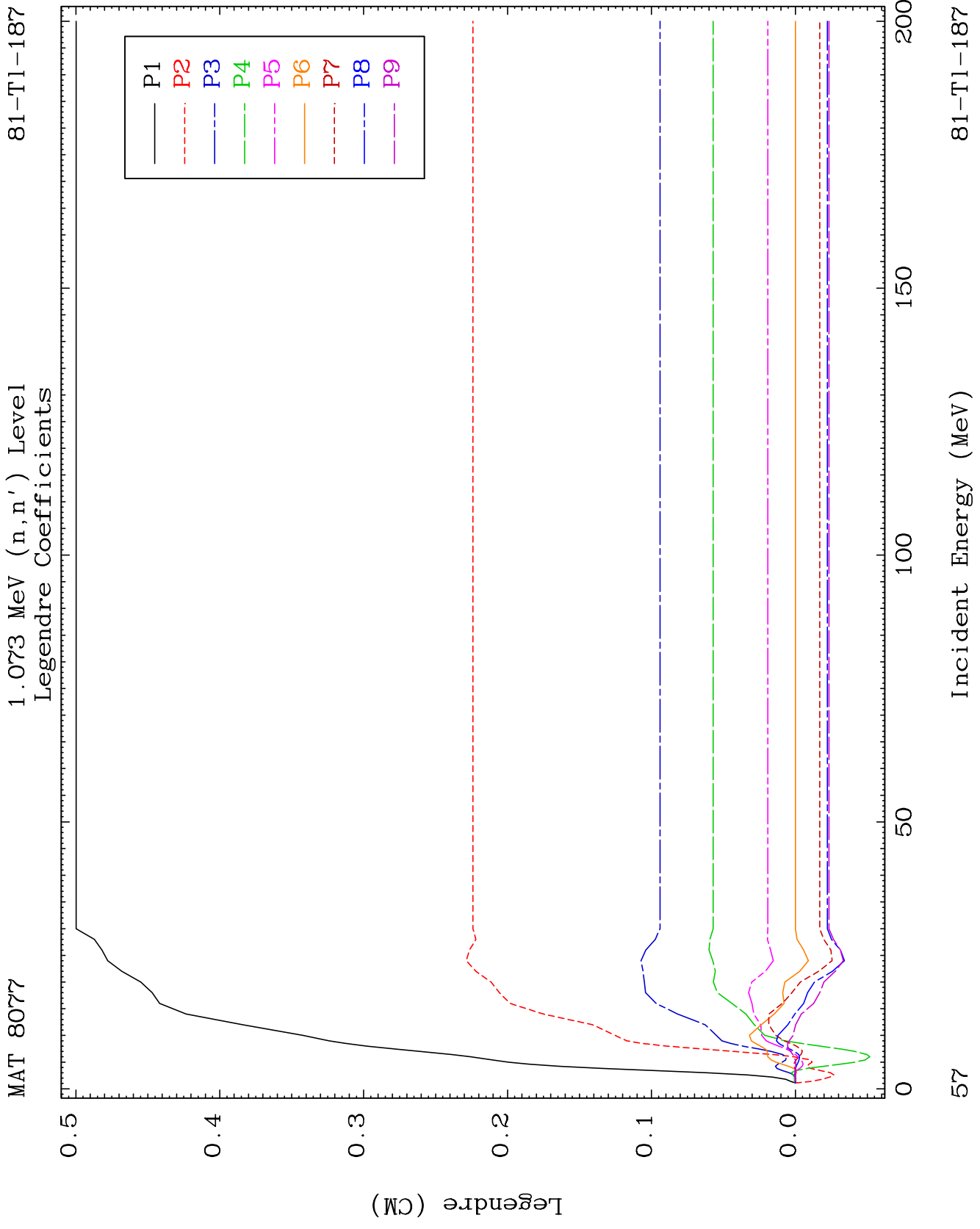








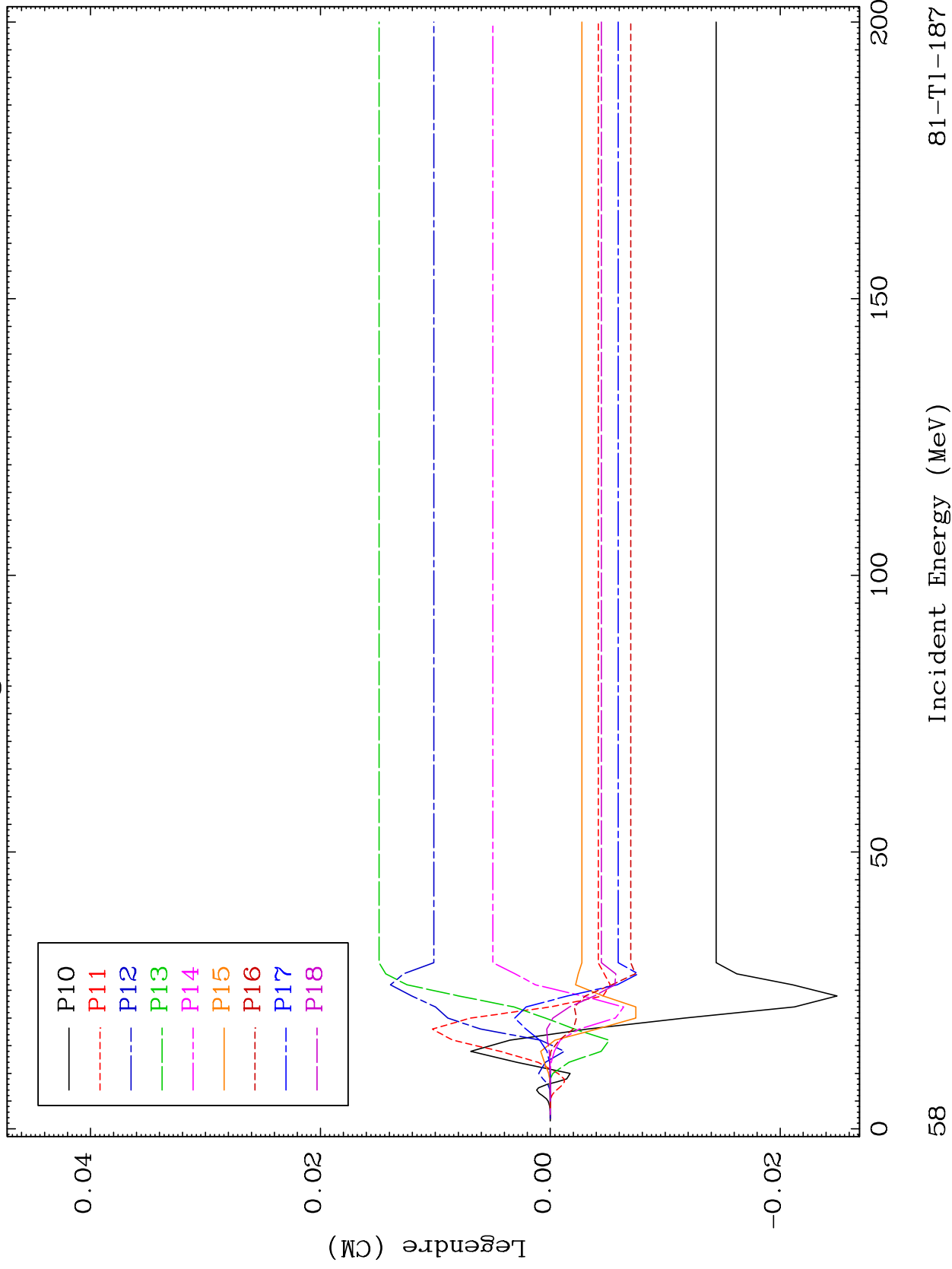




MAT 8077

1.073 MeV (n,n') Level
Legendre Coefficients

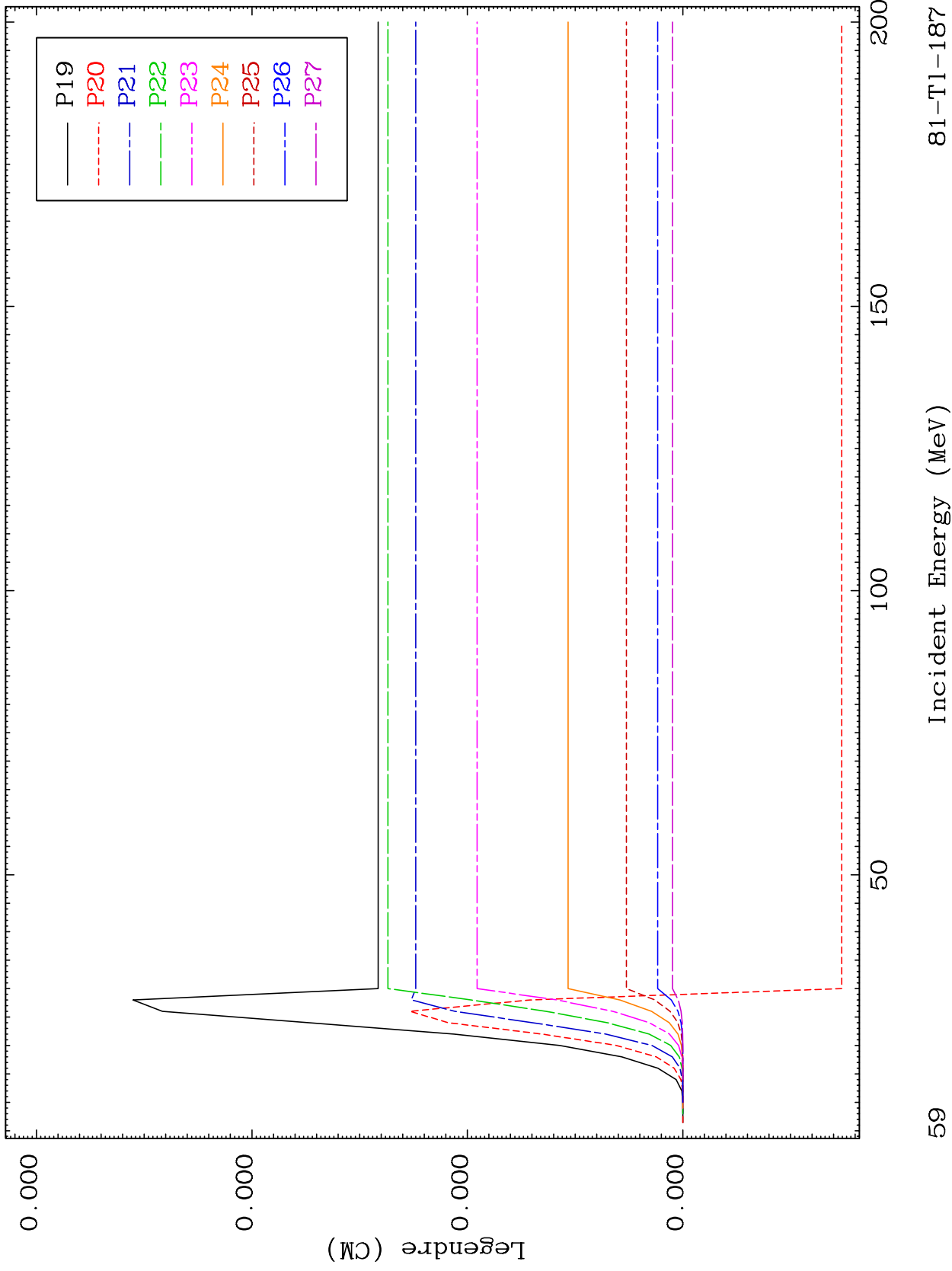
81-T1-187

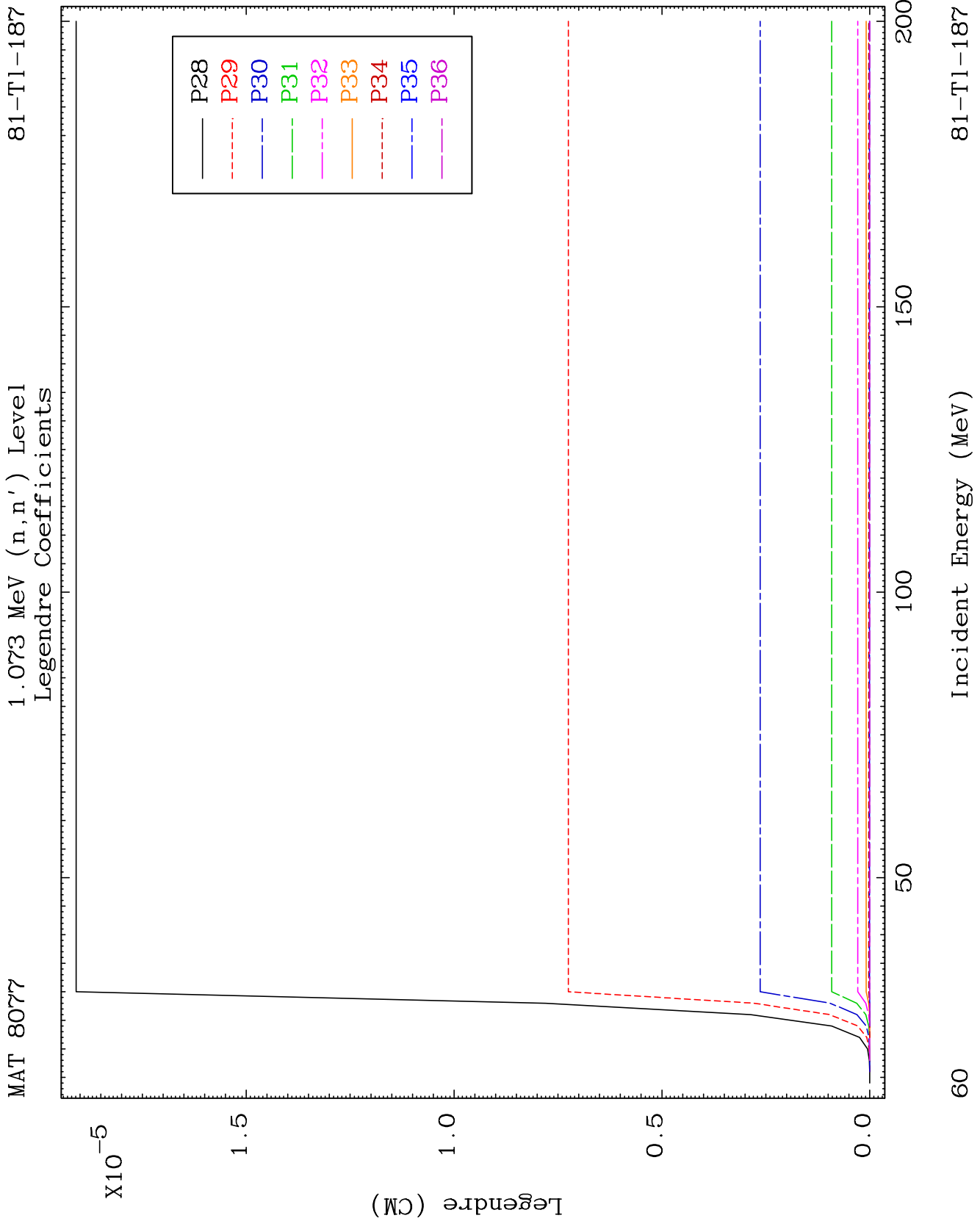


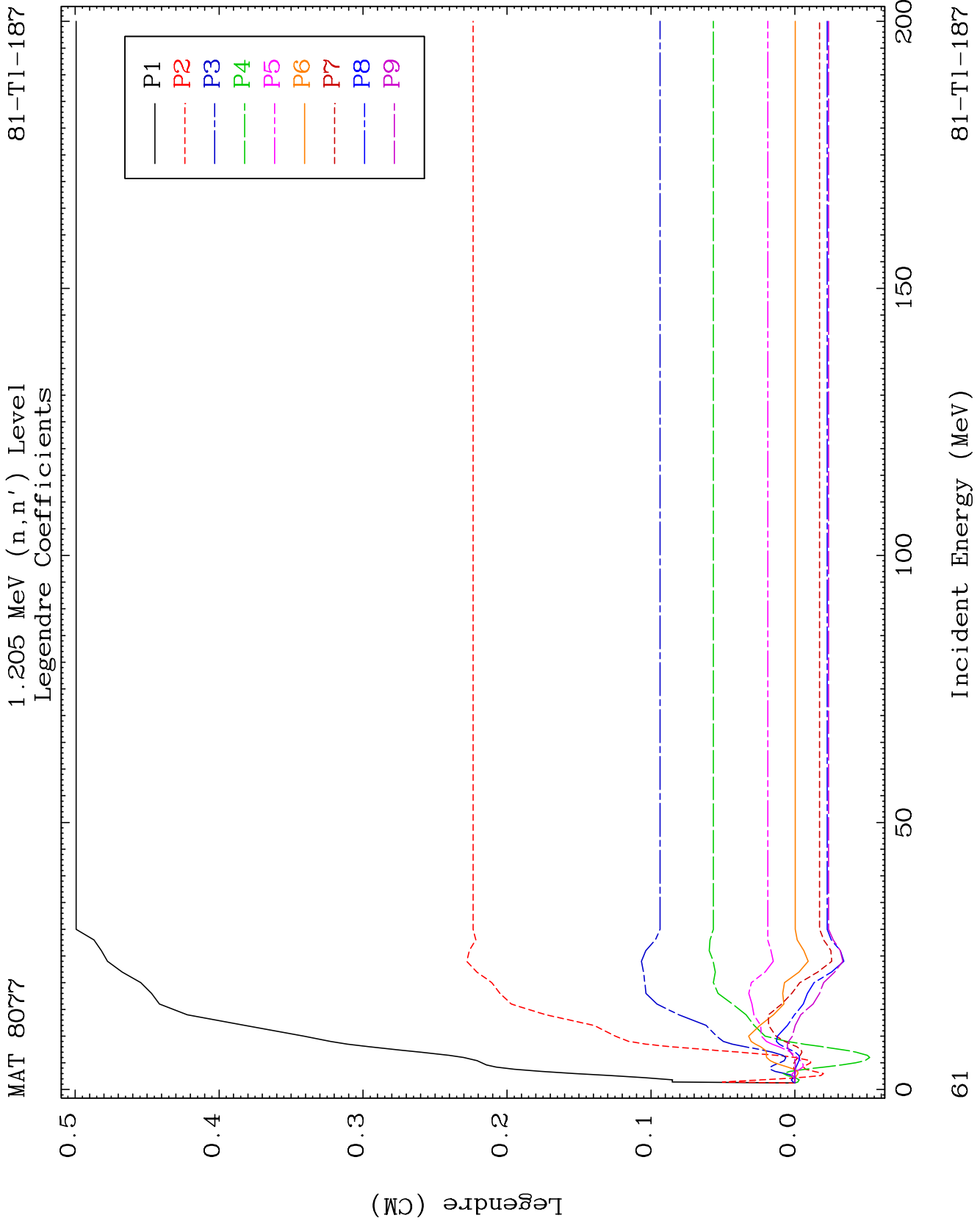
81-T1-187

Incident Energy (MeV)

58



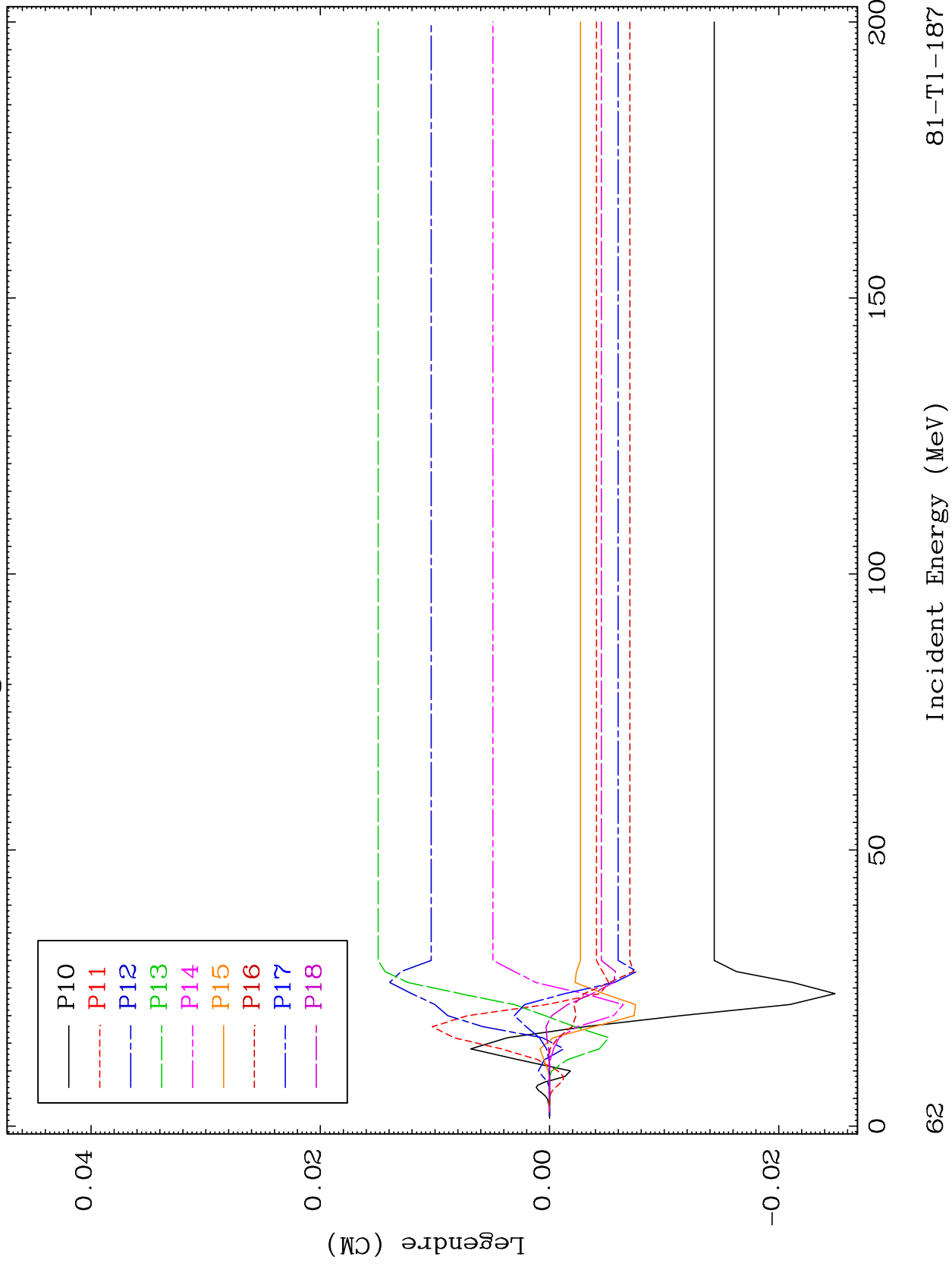




MAT 8077

1.205 MeV (n,n') Level
Legendre Coefficients

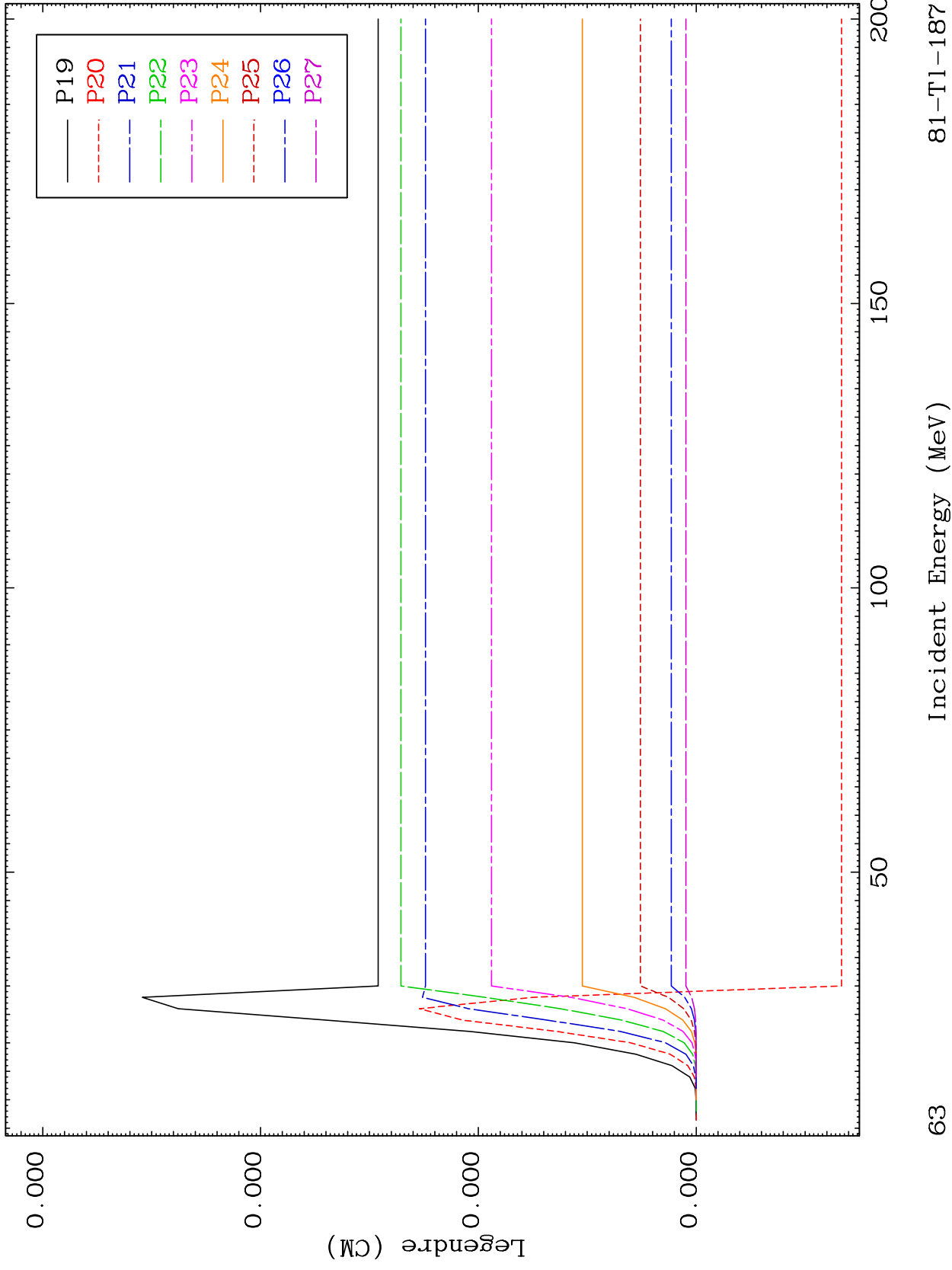
81-Tl-187

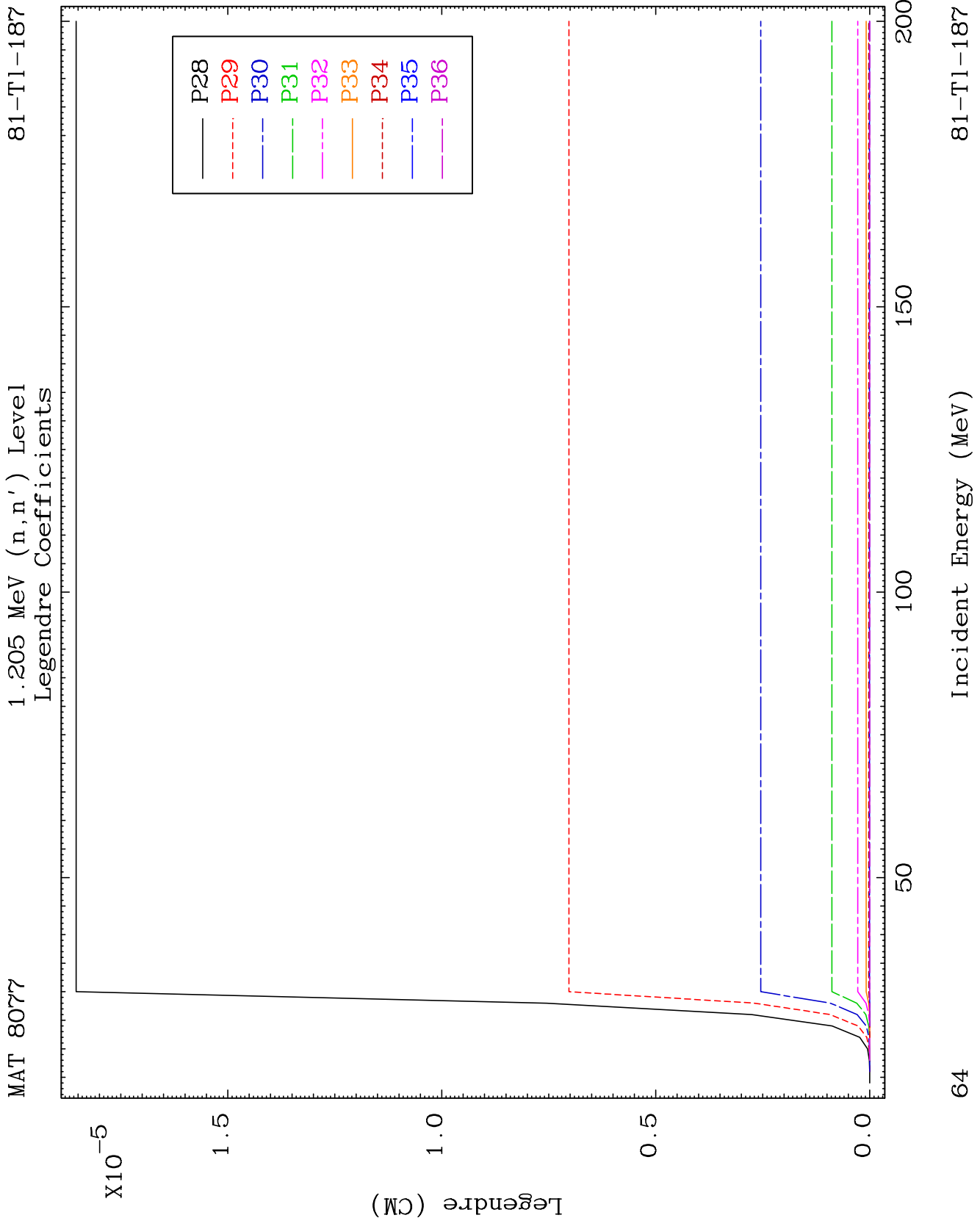


81-Tl-187

Incident Energy (MeV)

62

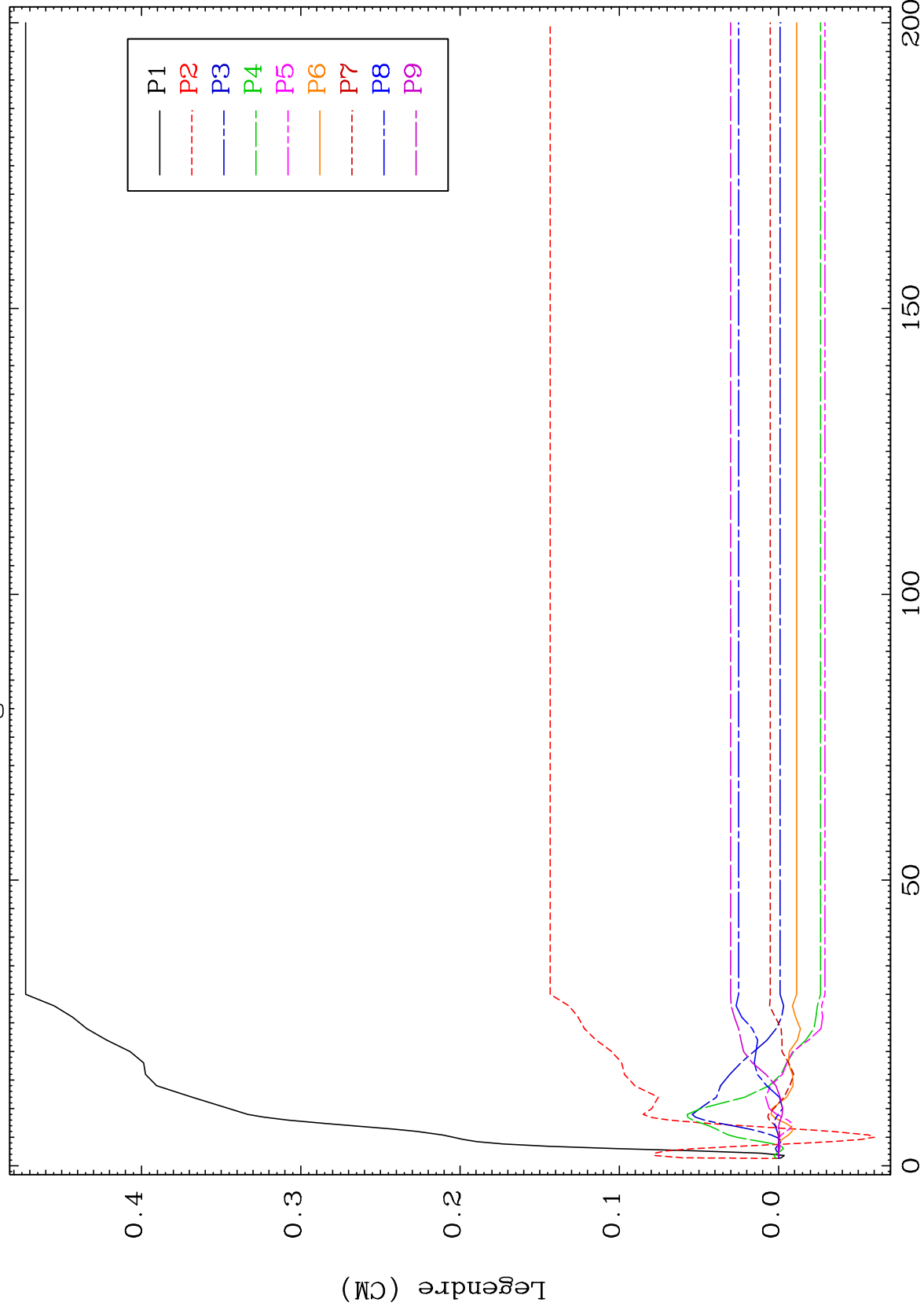




MAT 8077

1.261 MeV (n,n') Level
Legendre Coefficients

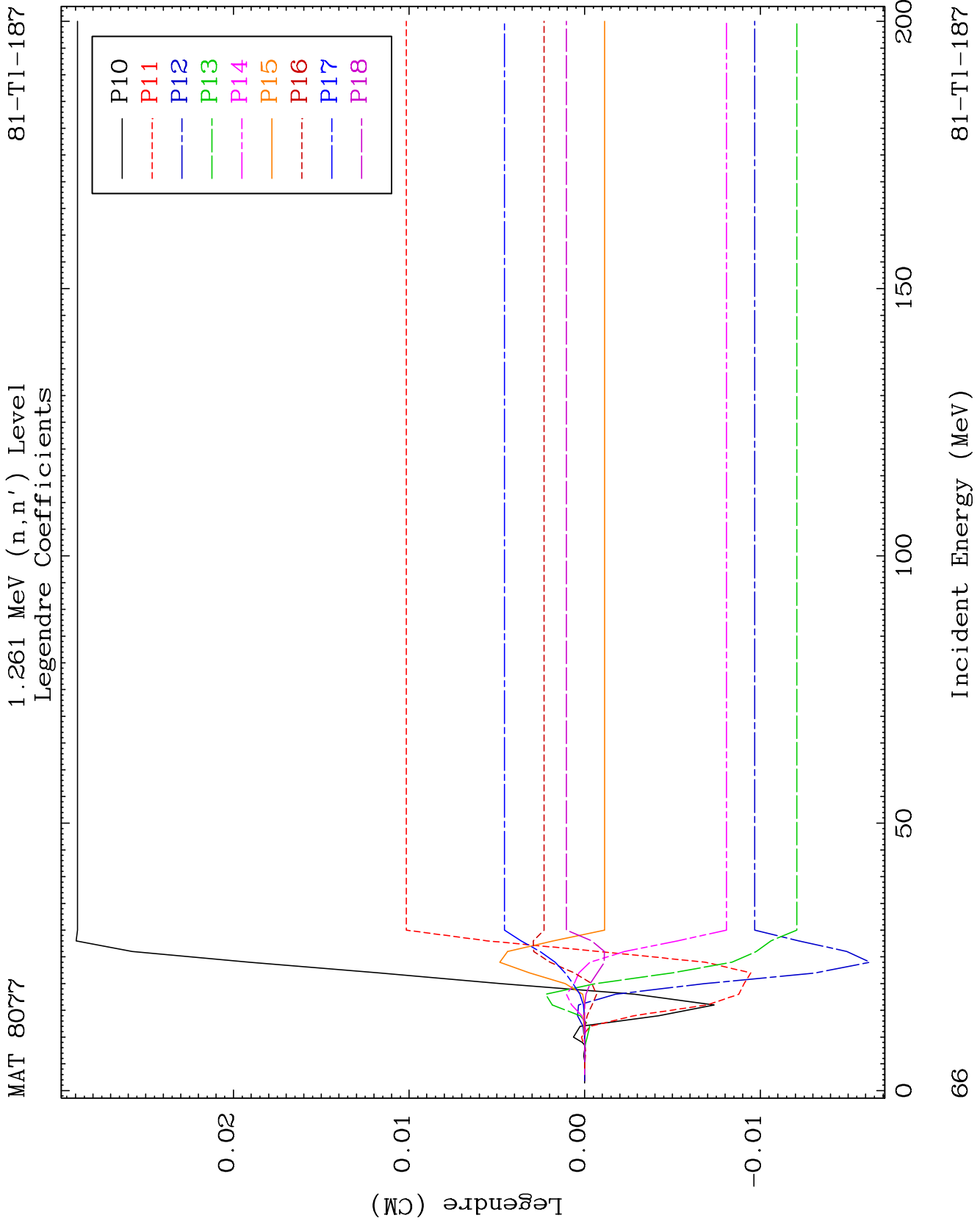
81-T1-187

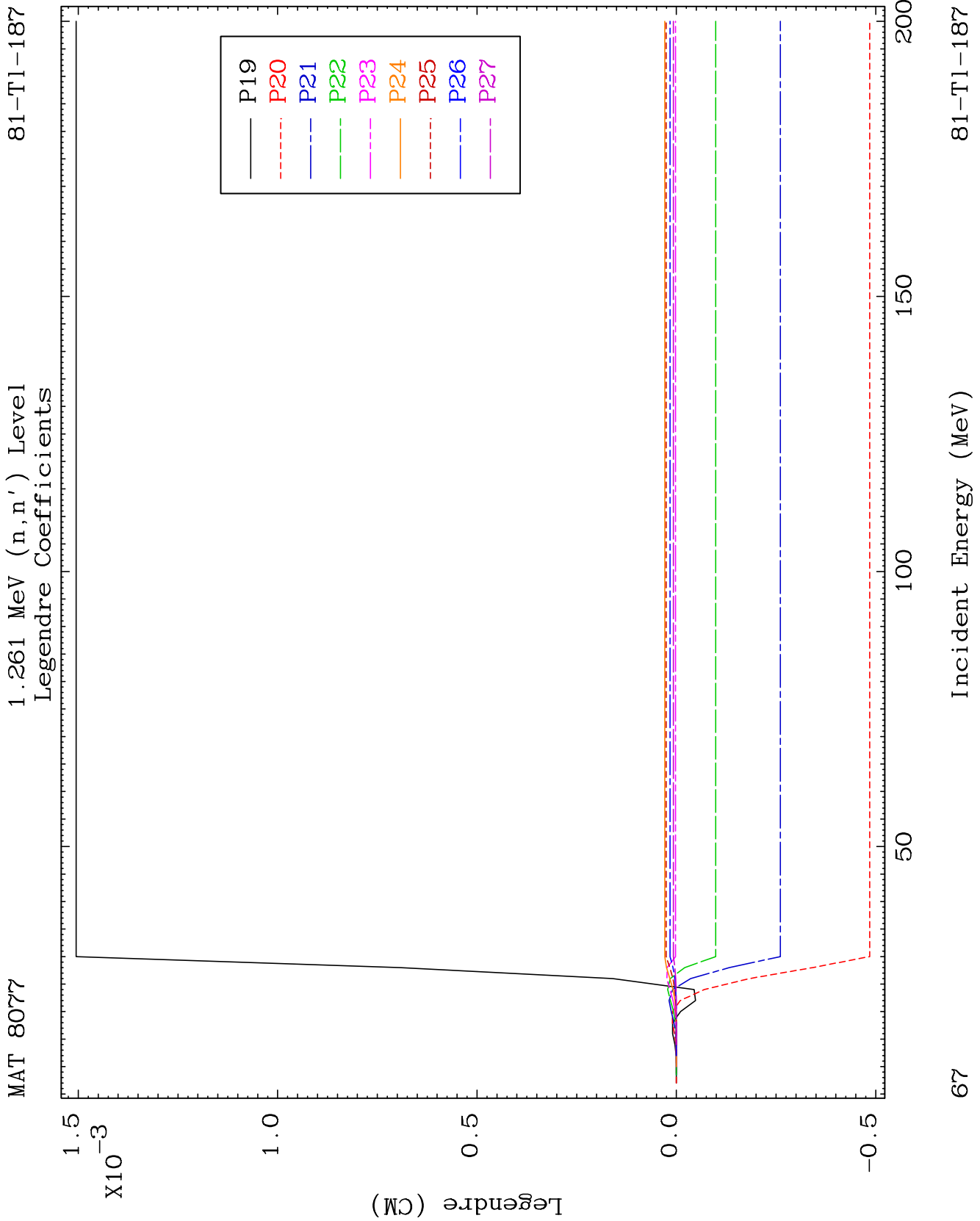


81-T1-187

Incident Energy (MeV)

65

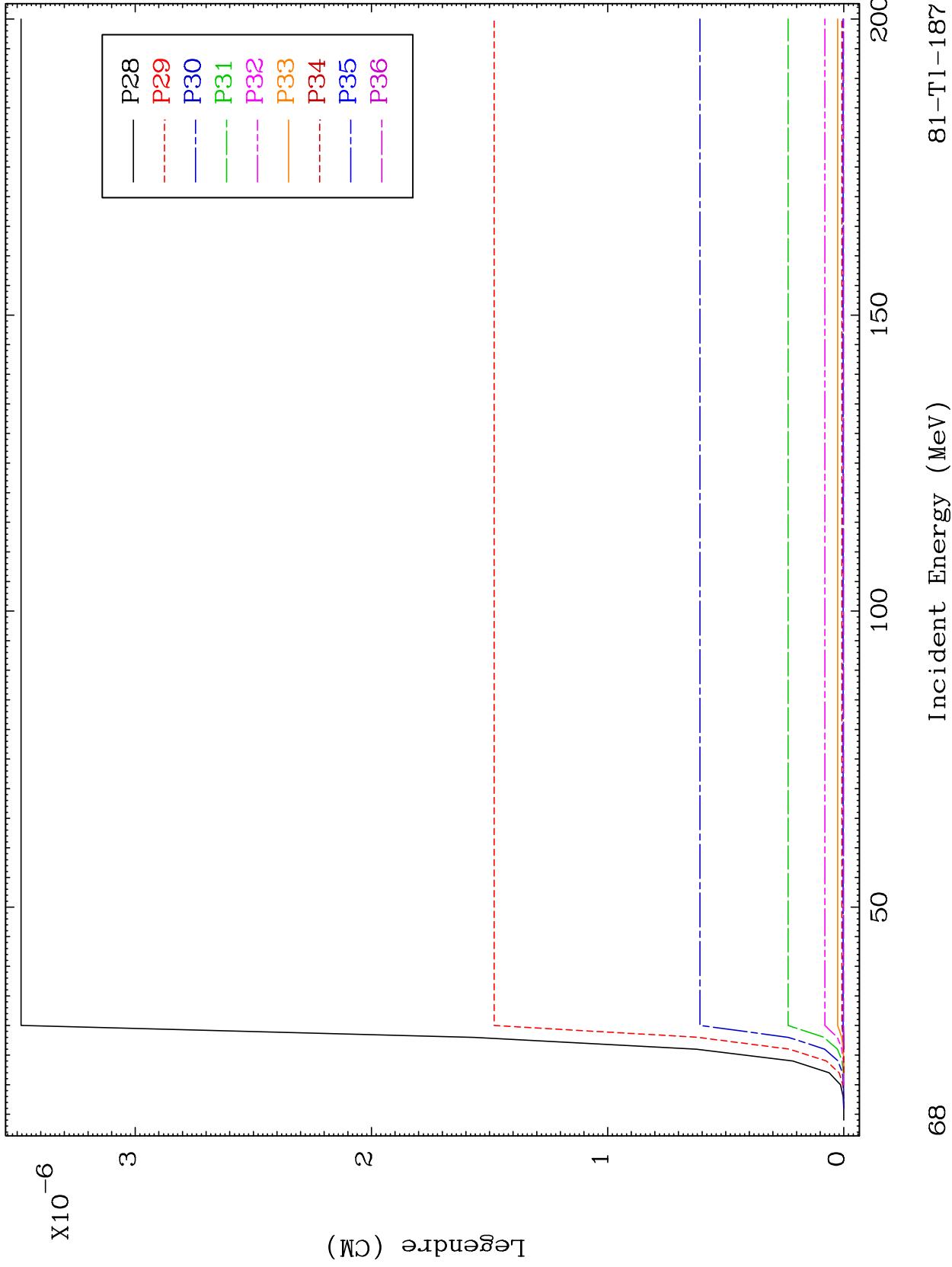




MAT 8077

1.261 MeV (n,n') Level
Legendre Coefficients

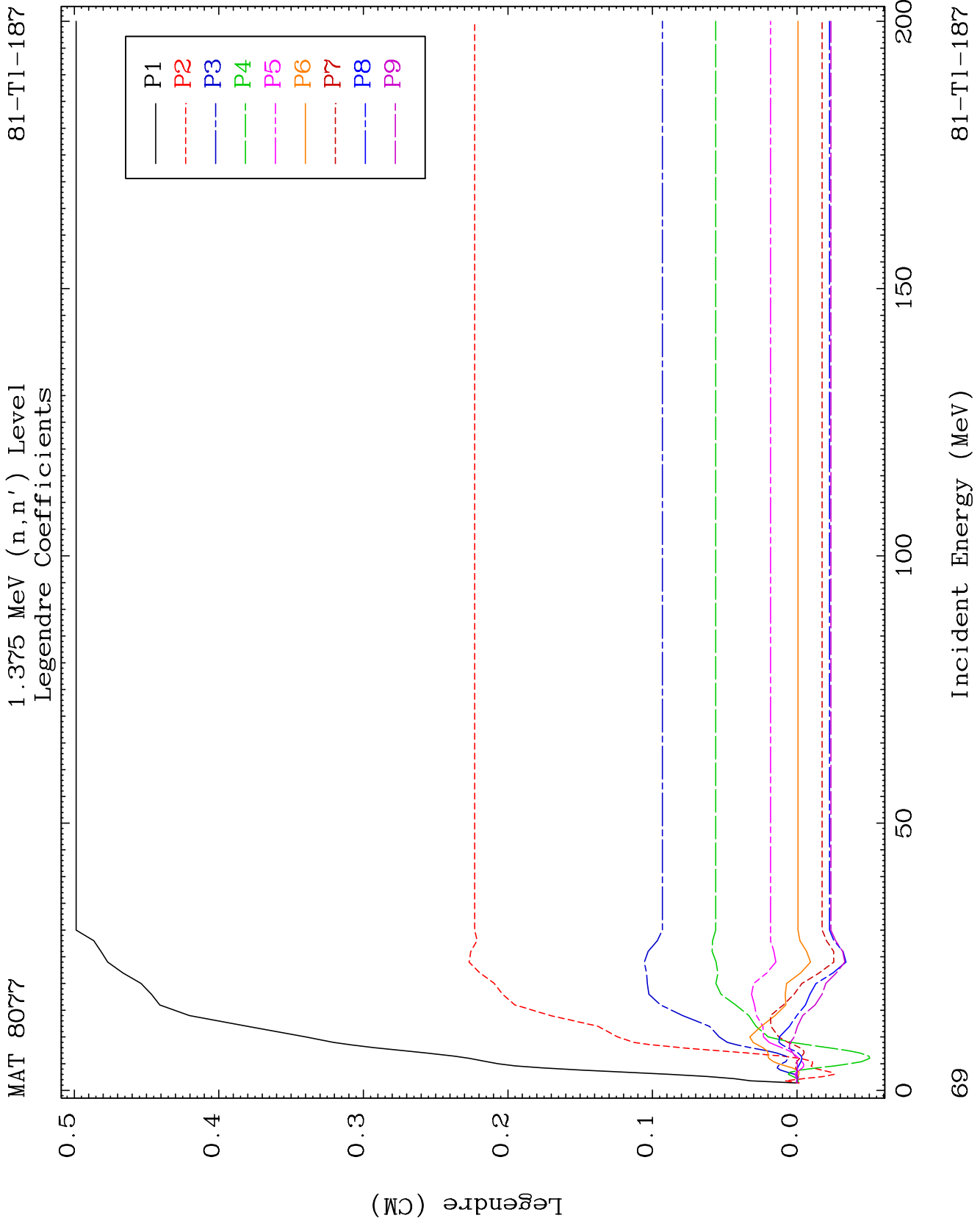
81-Tl-187



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Incident Energy (MeV)

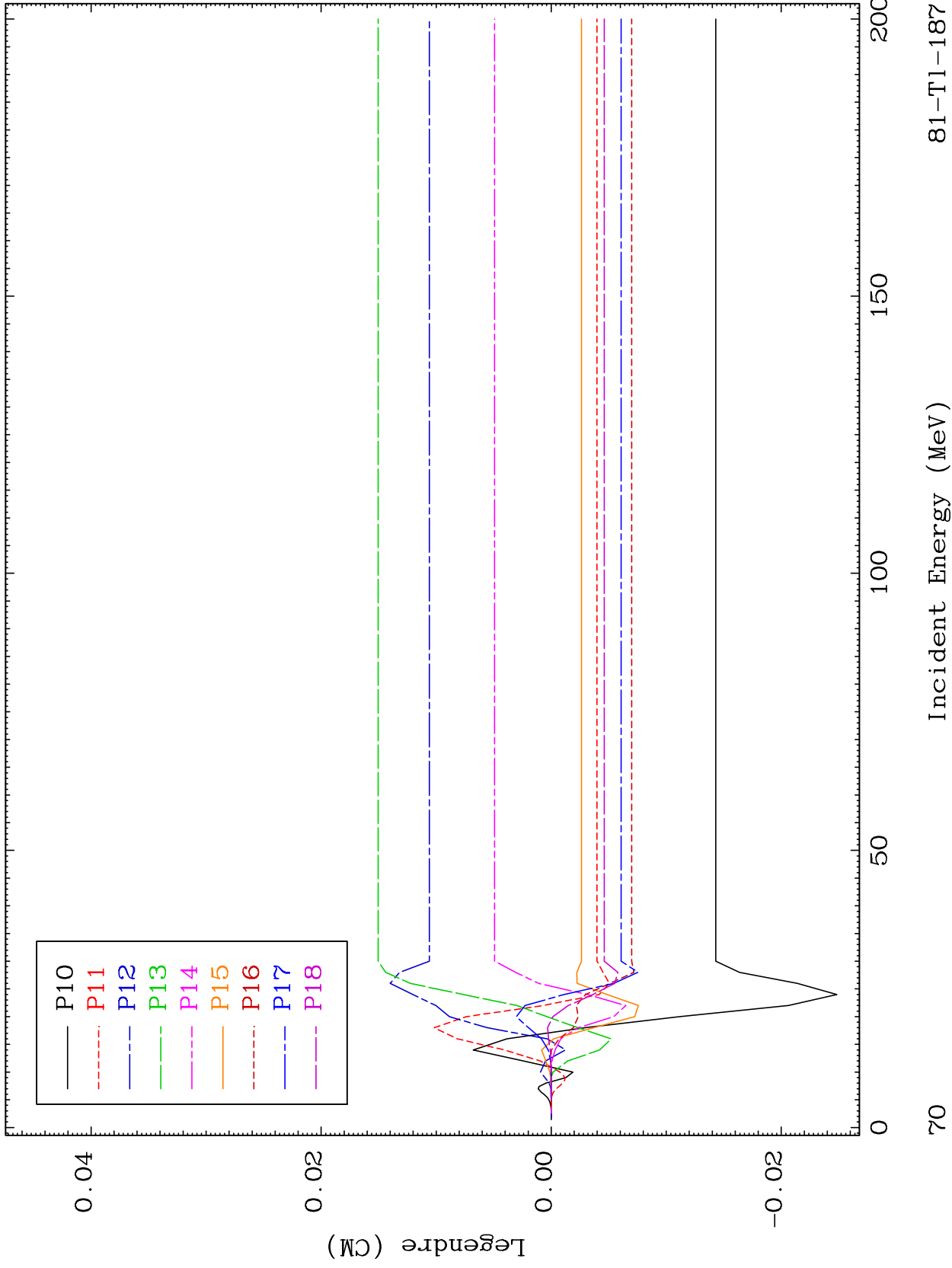
81-Tl-187



MAT 8077

1.375 MeV (n,n') Level
Legendre Coefficients

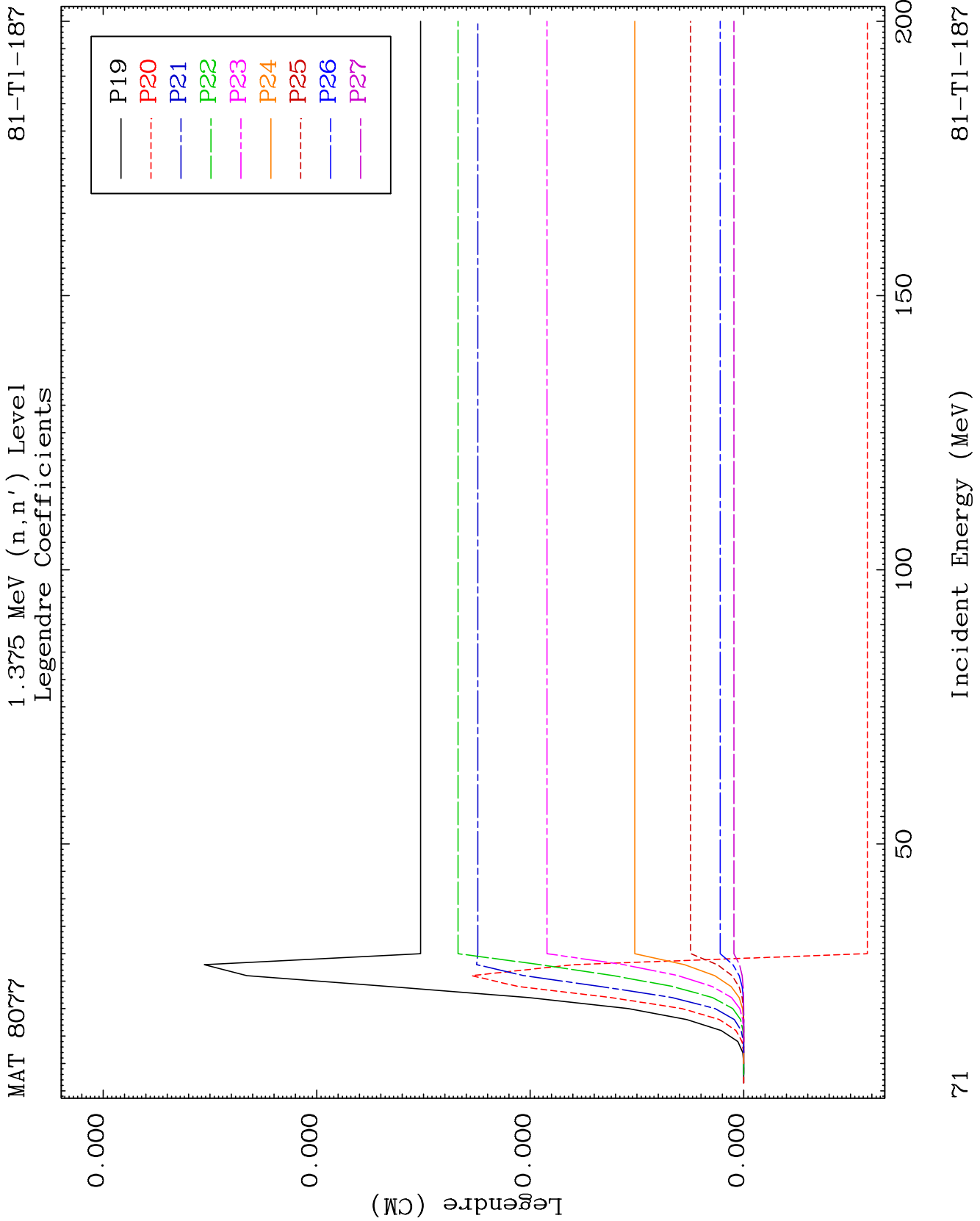
81-T1-187

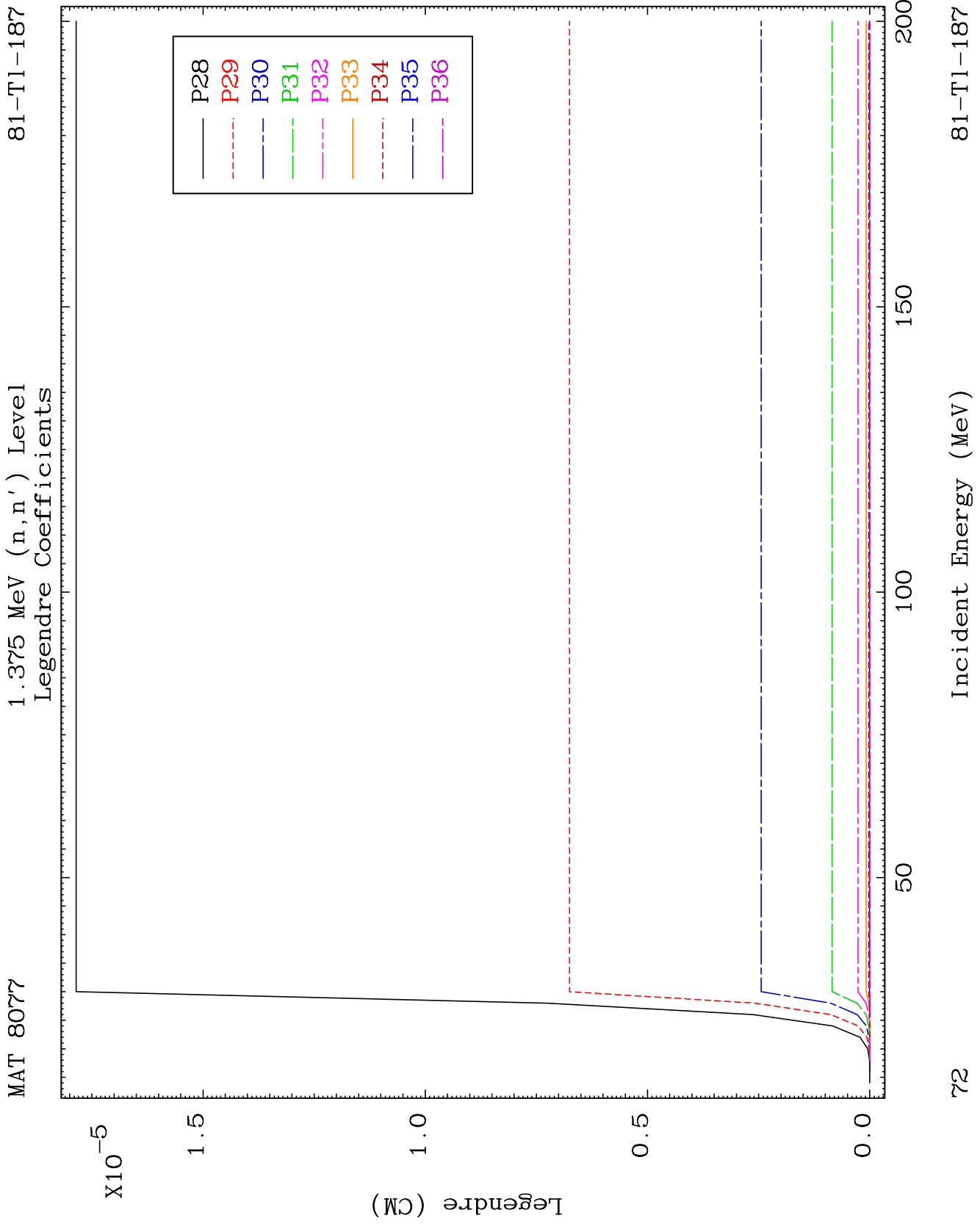


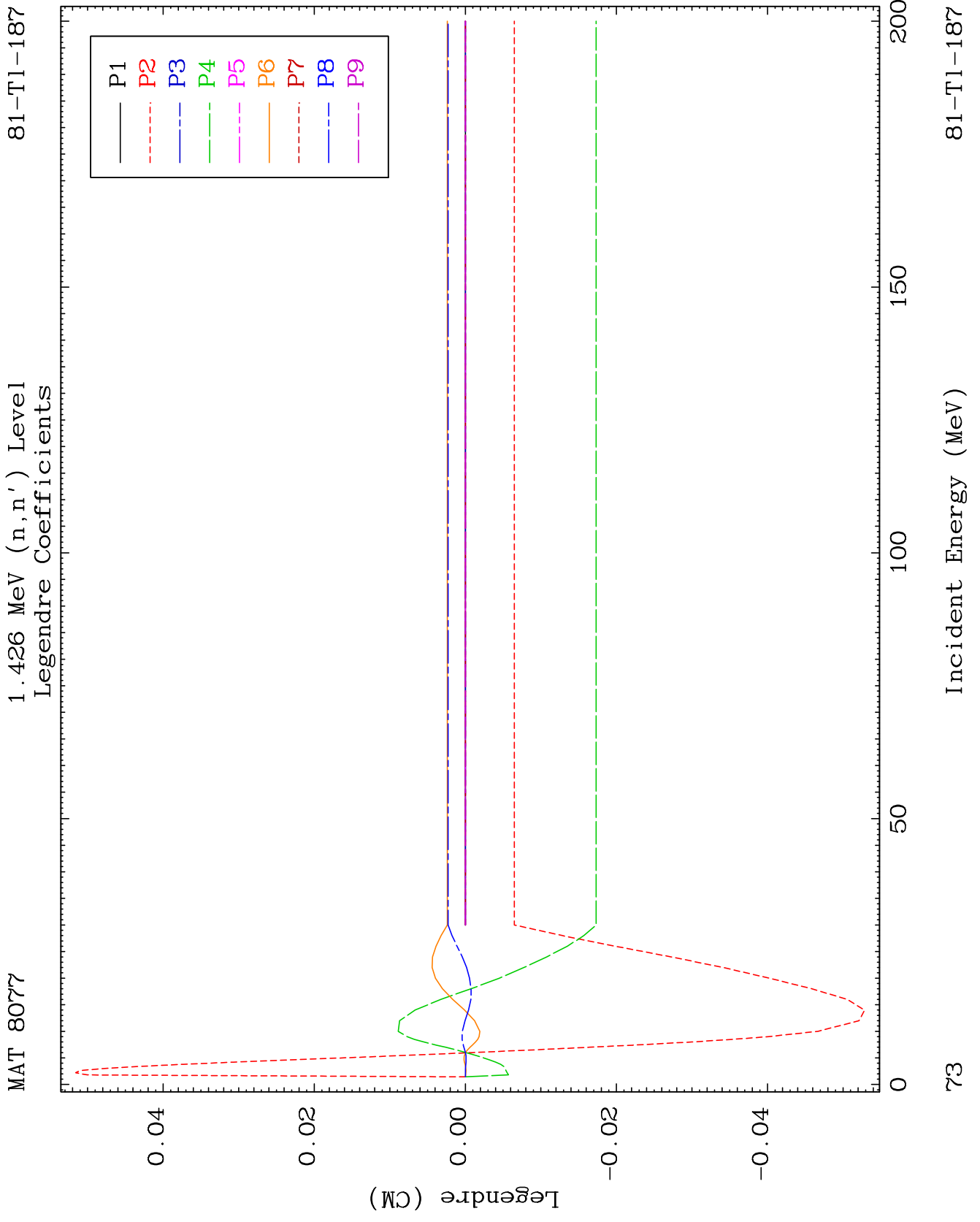
81-T1-187

Incident Energy (MeV)

70



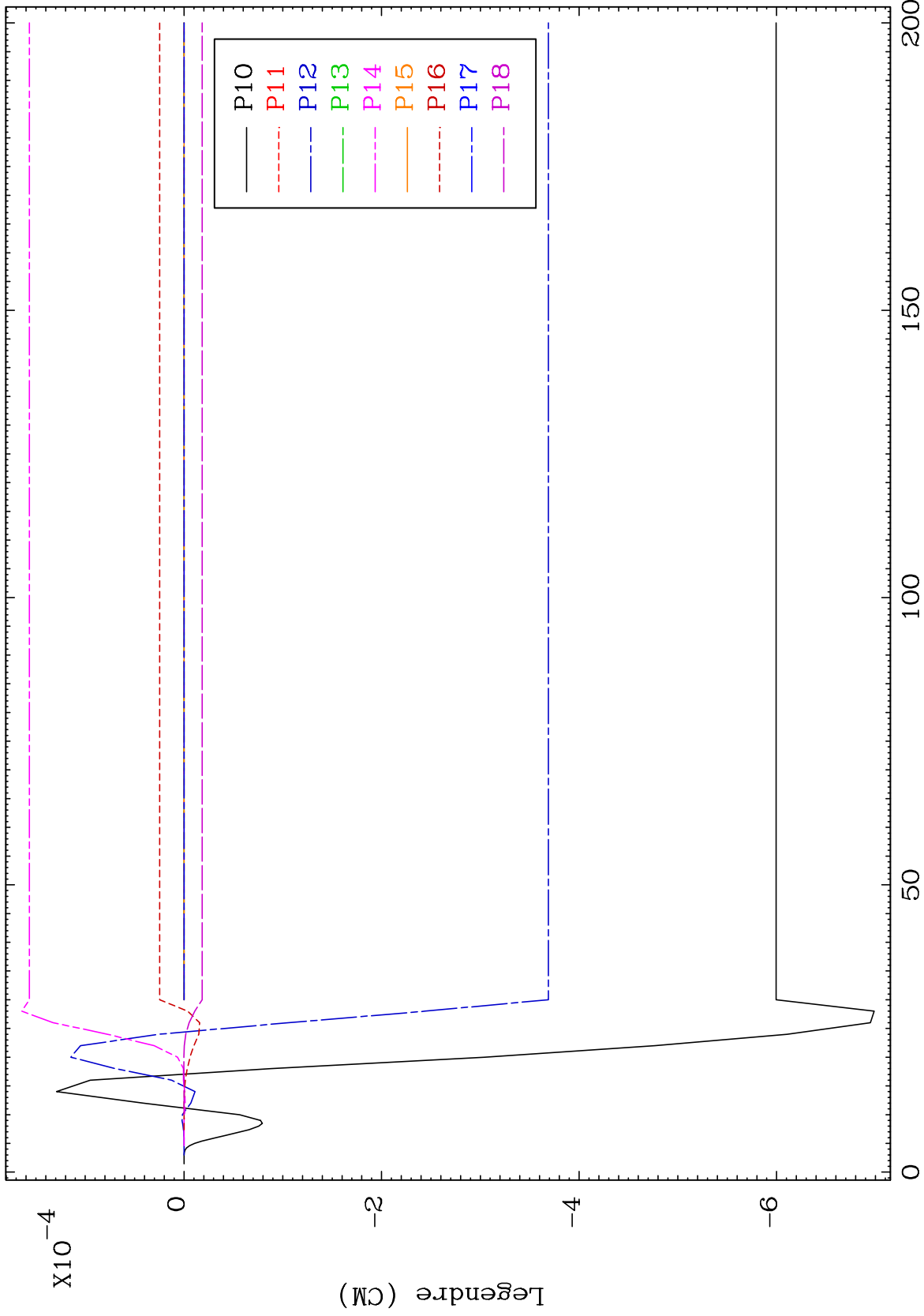




MAT 8077

1.426 MeV (n,n') Level
Legendre Coefficients

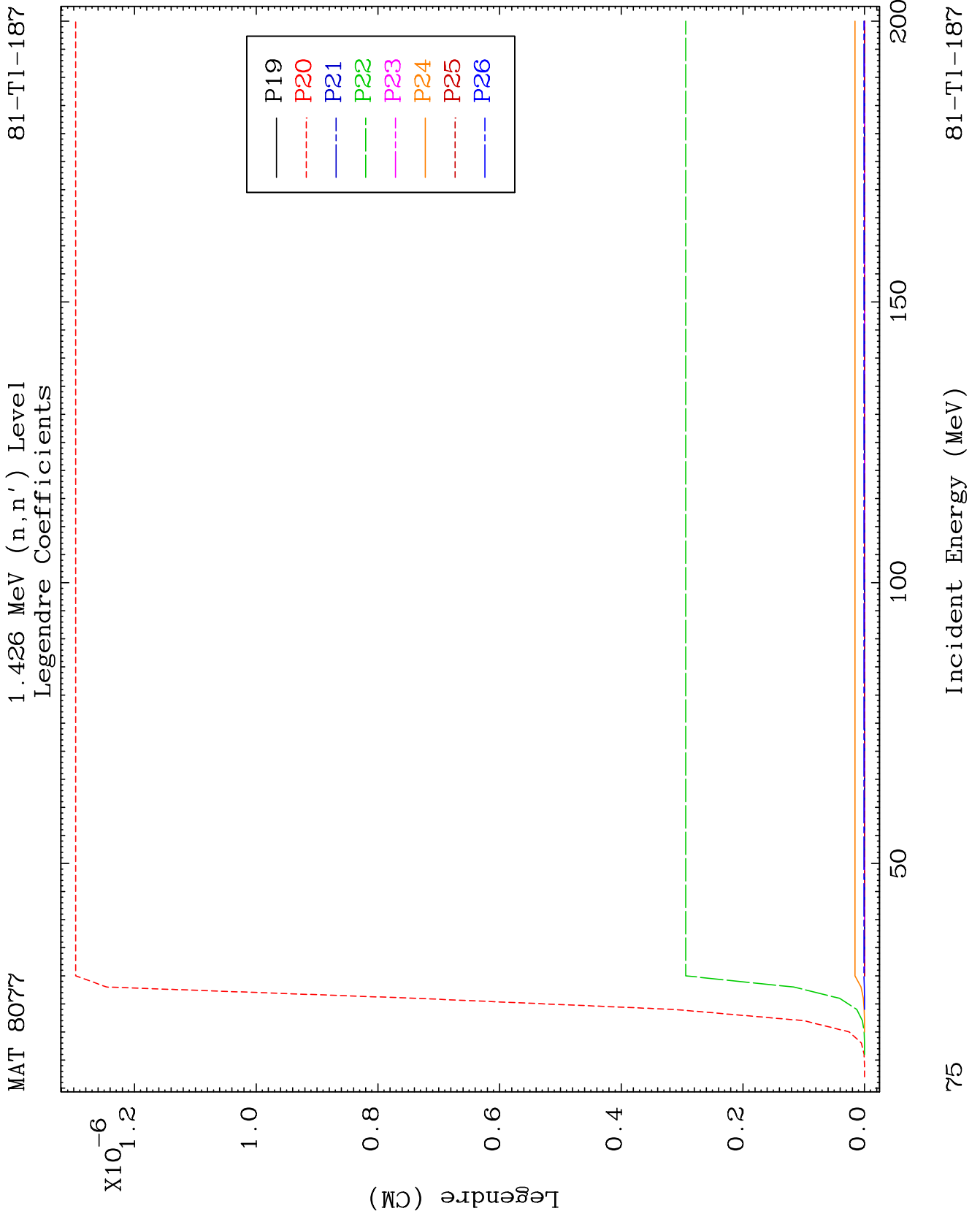
81-Tl-187



74

Incident Energy (MeV)

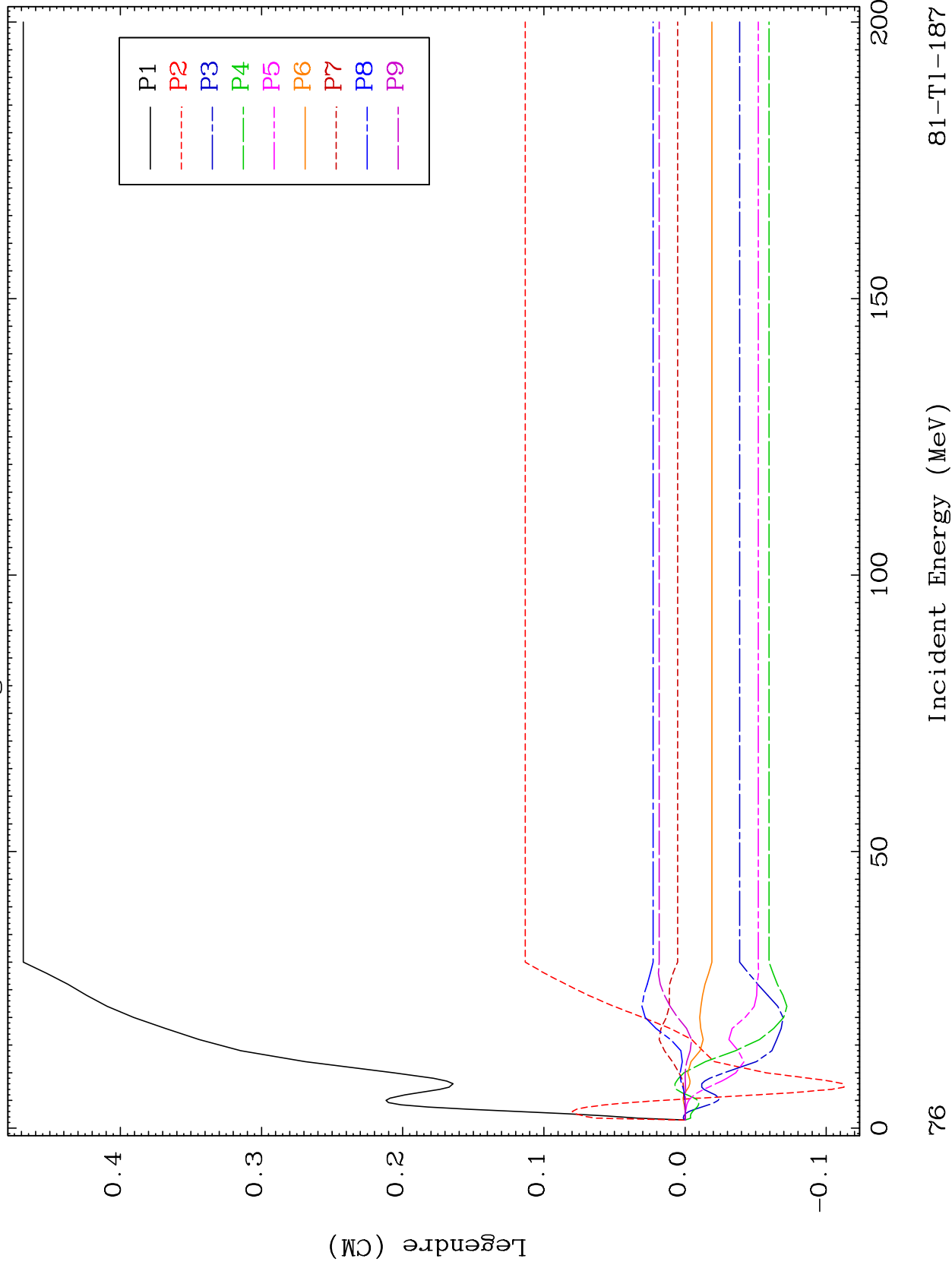
81-Tl-187



MAT 8077

1.433 MeV (n,n') Level
Legendre Coefficients

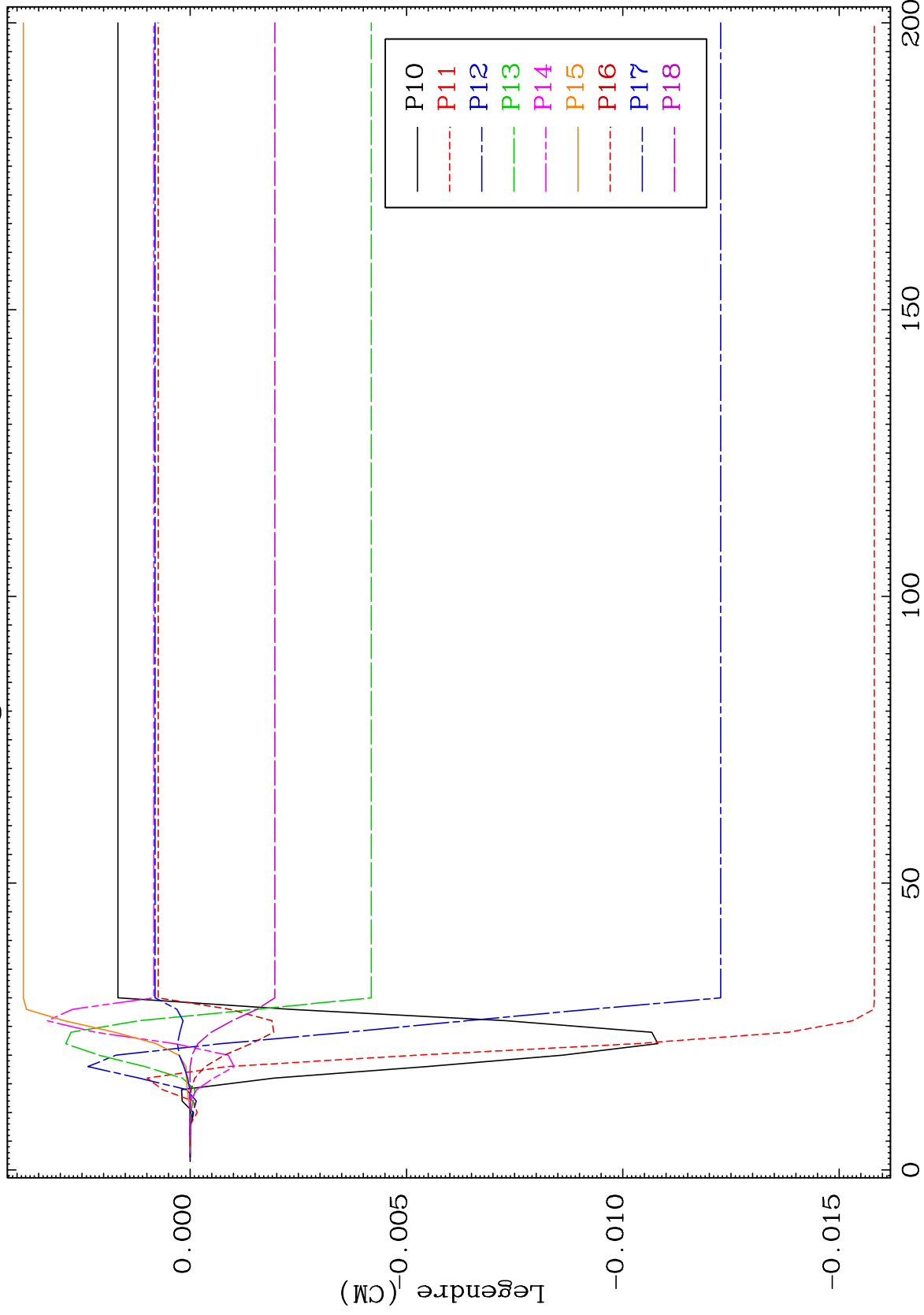
81-T1-187



MAT 8077

1.433 MeV (n,n') Level
Legendre Coefficients

81-T1-187



77

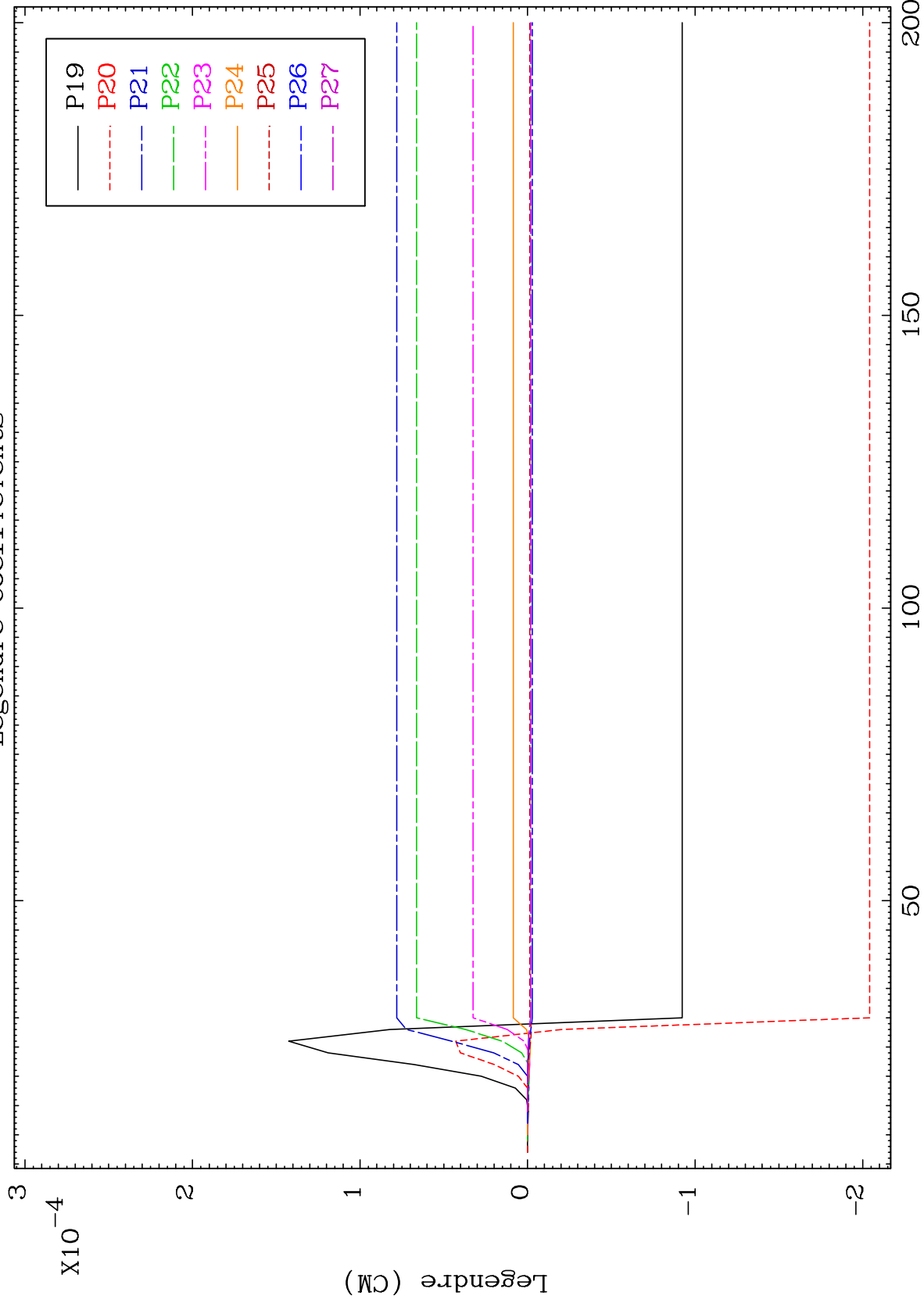
Incident Energy (MeV)

81-T1-187

MAT 8077

1.433 MeV (n,n') Level
Legendre Coefficients

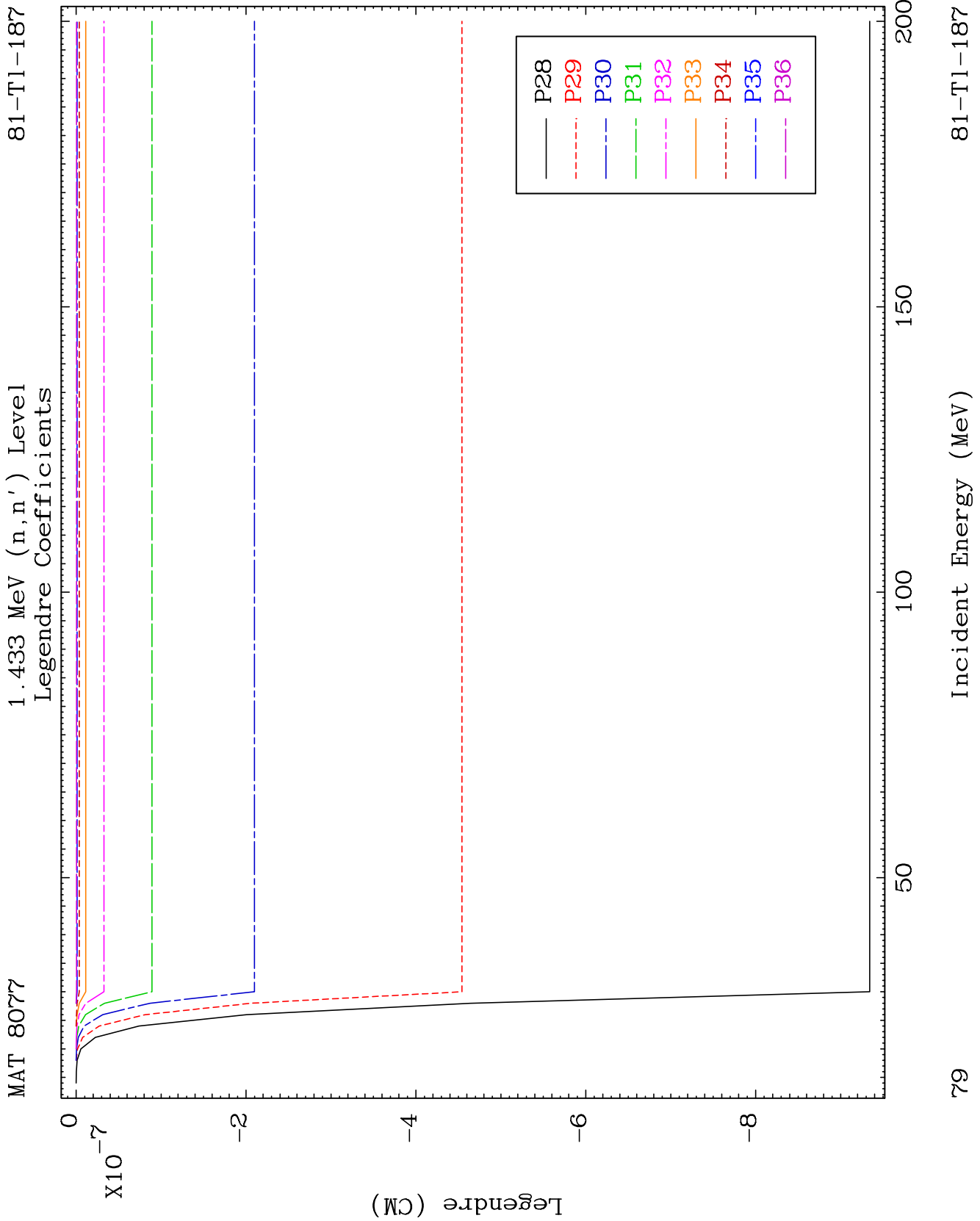
81-Tl-187



78

Incident Energy (MeV)

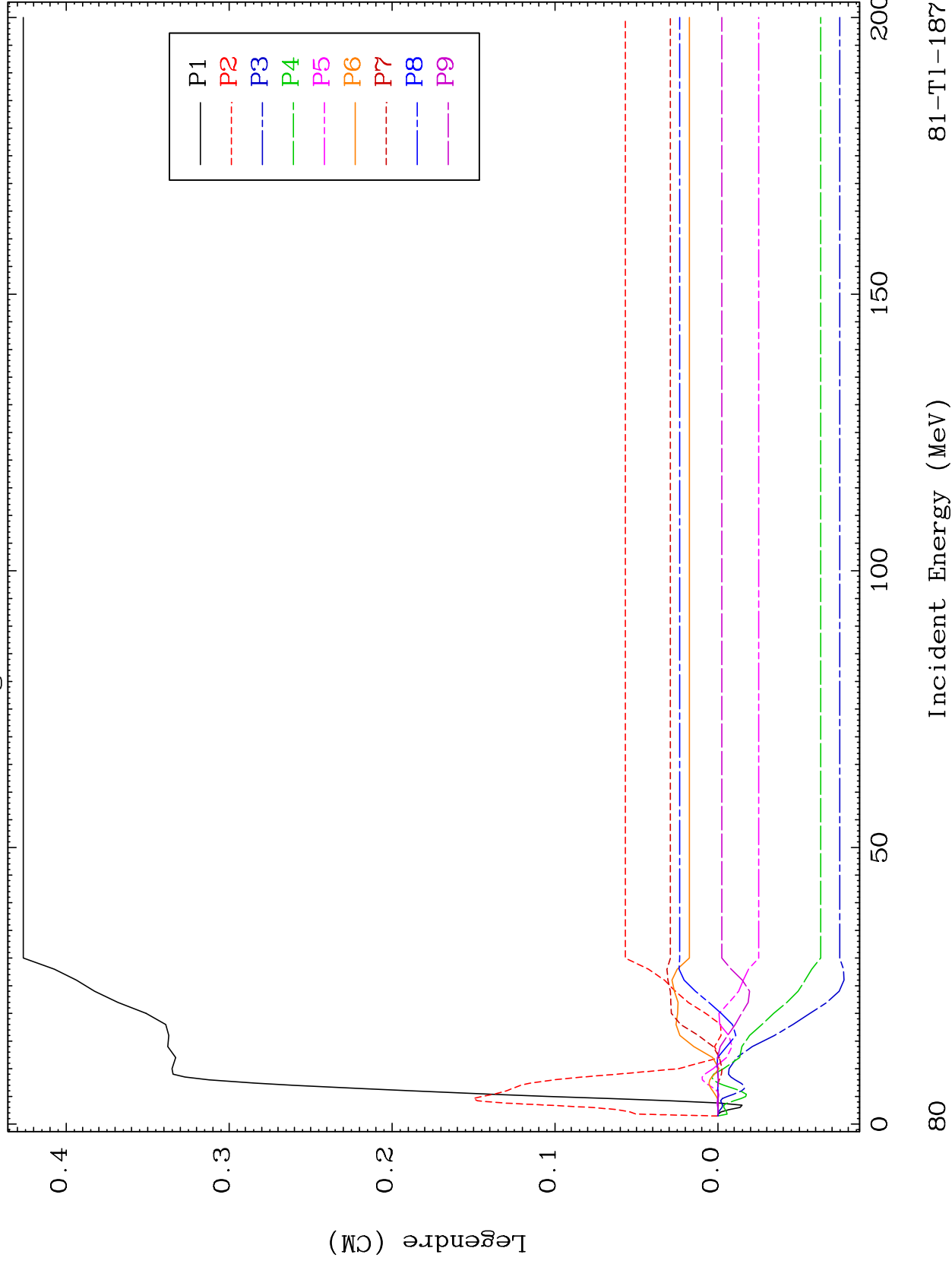
81-Tl-187



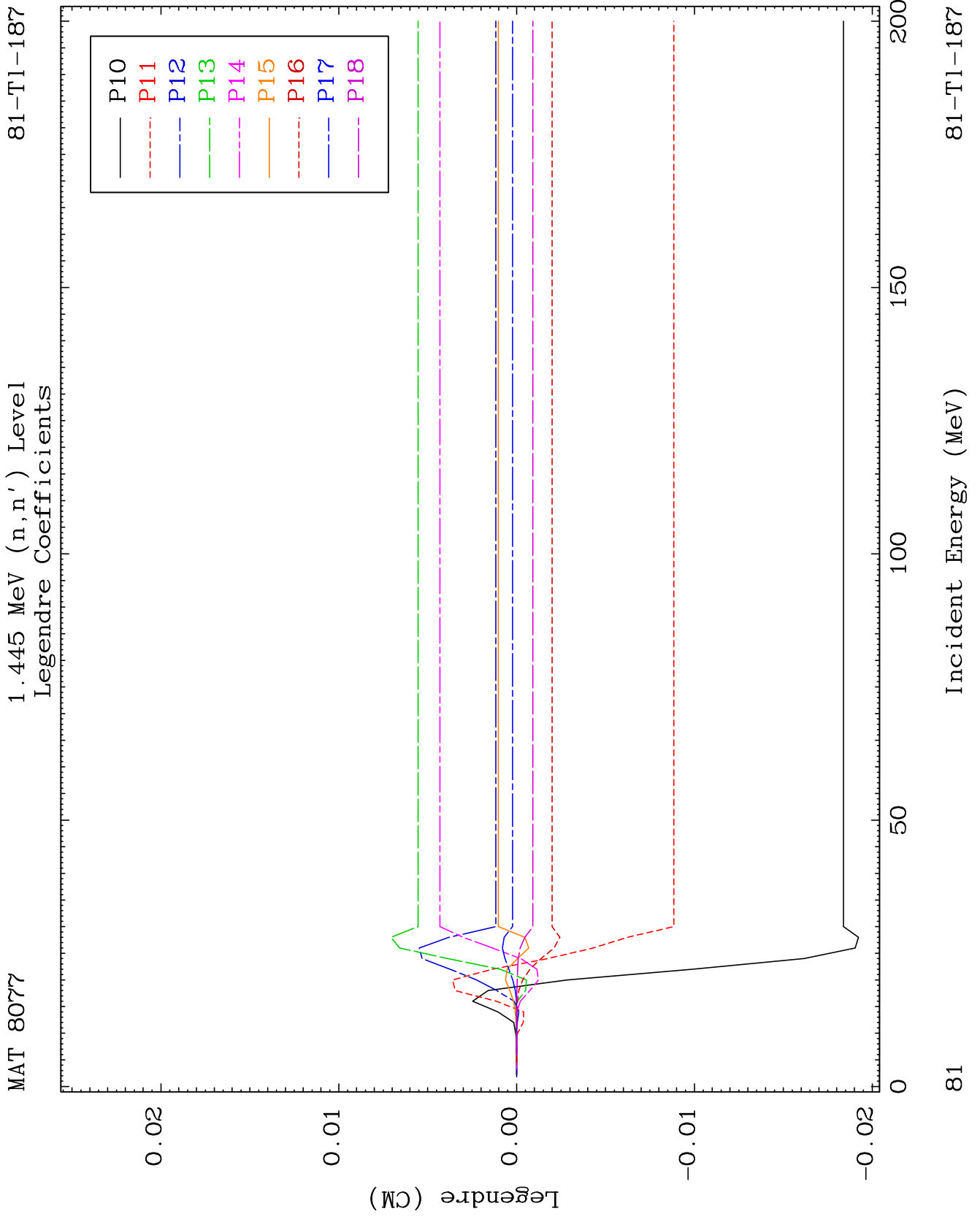
MAT 8077

1.445 MeV (n,n') Level
Legendre Coefficients

81-T1-187



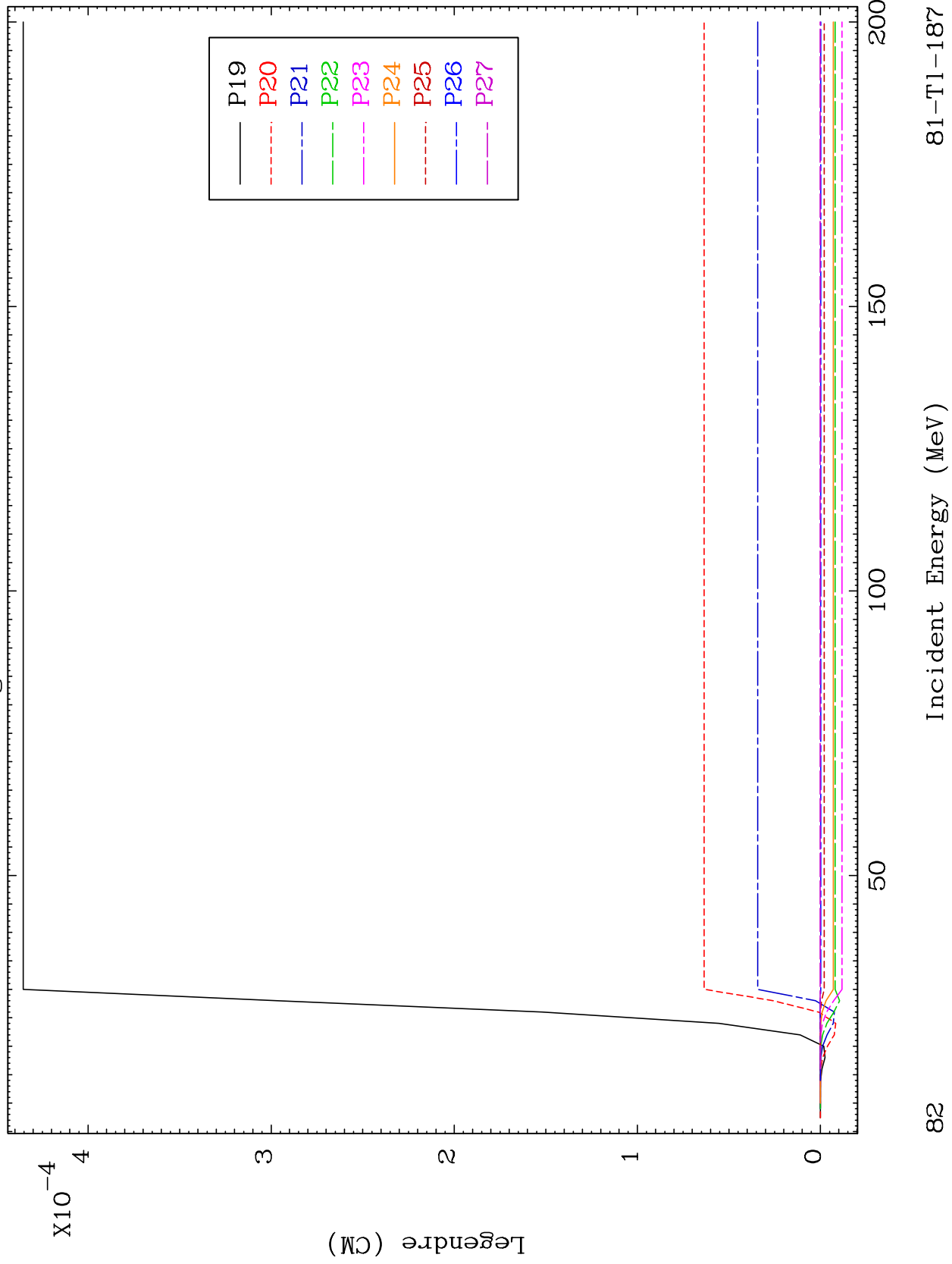
81-T1-187

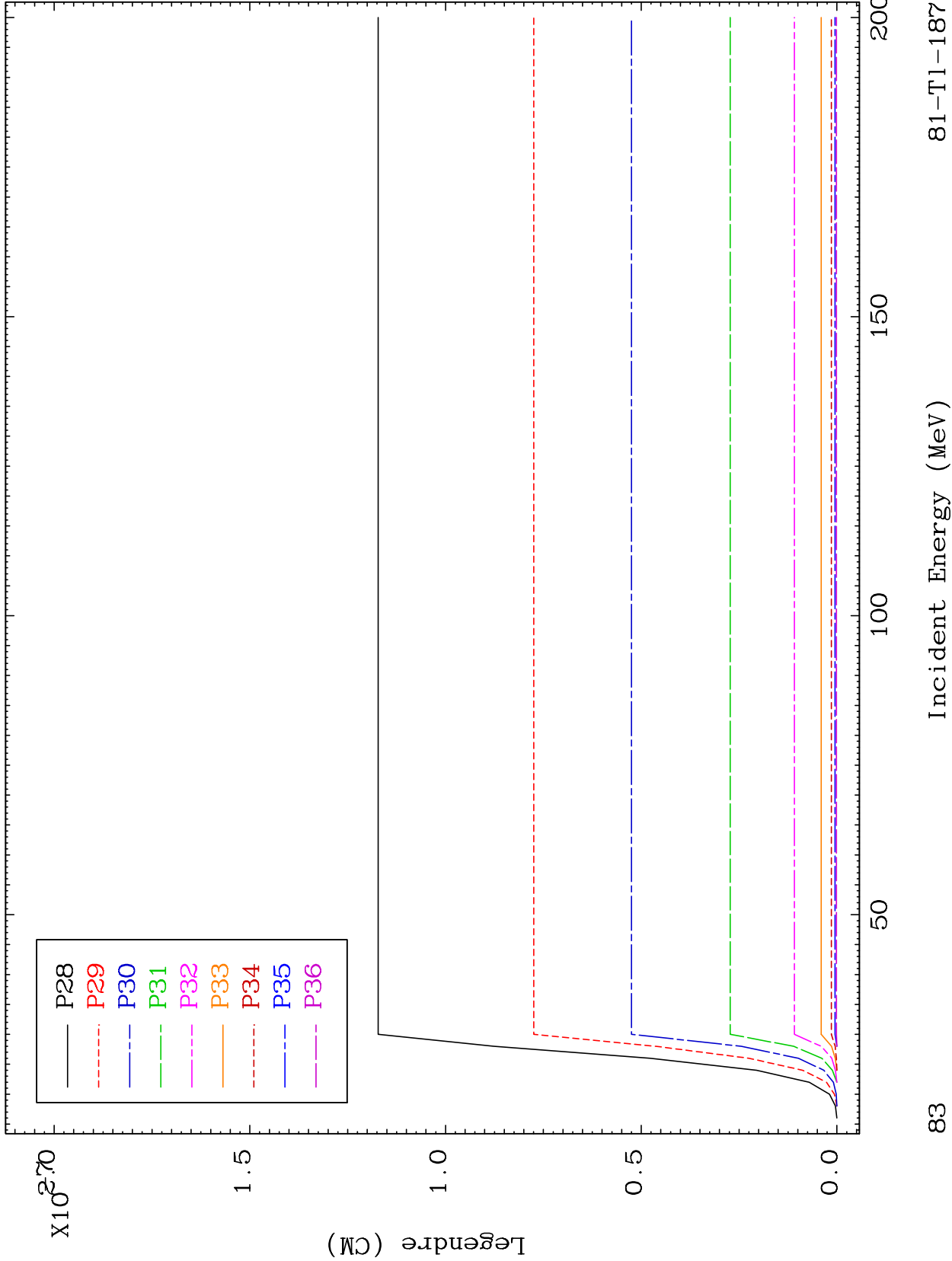


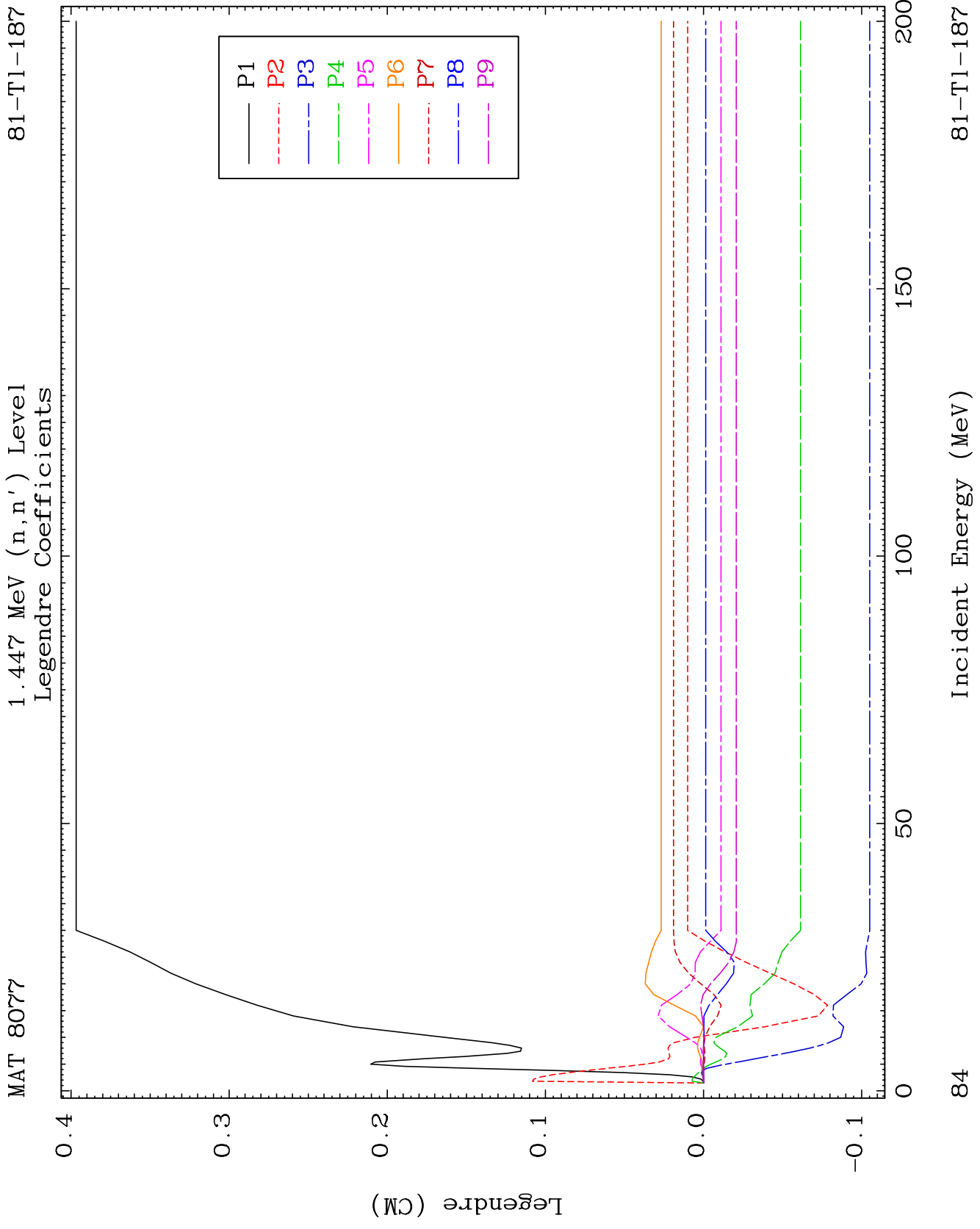
MAT 80777

1.445 MeV (n,n') Level
Legendre Coefficients

81-T1-187



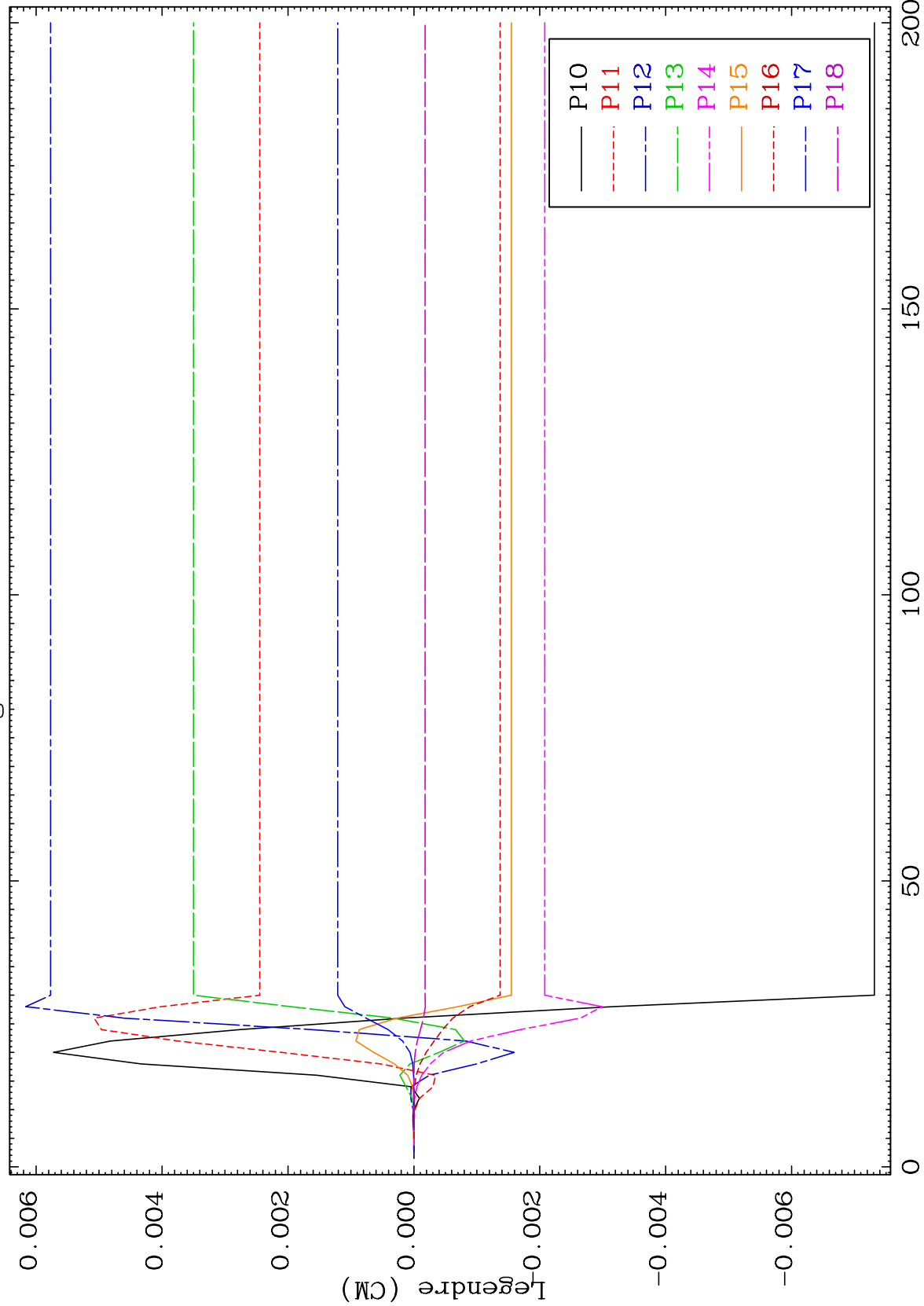




MAT 8077

1.447 MeV (n,n') Level
Legendre Coefficients

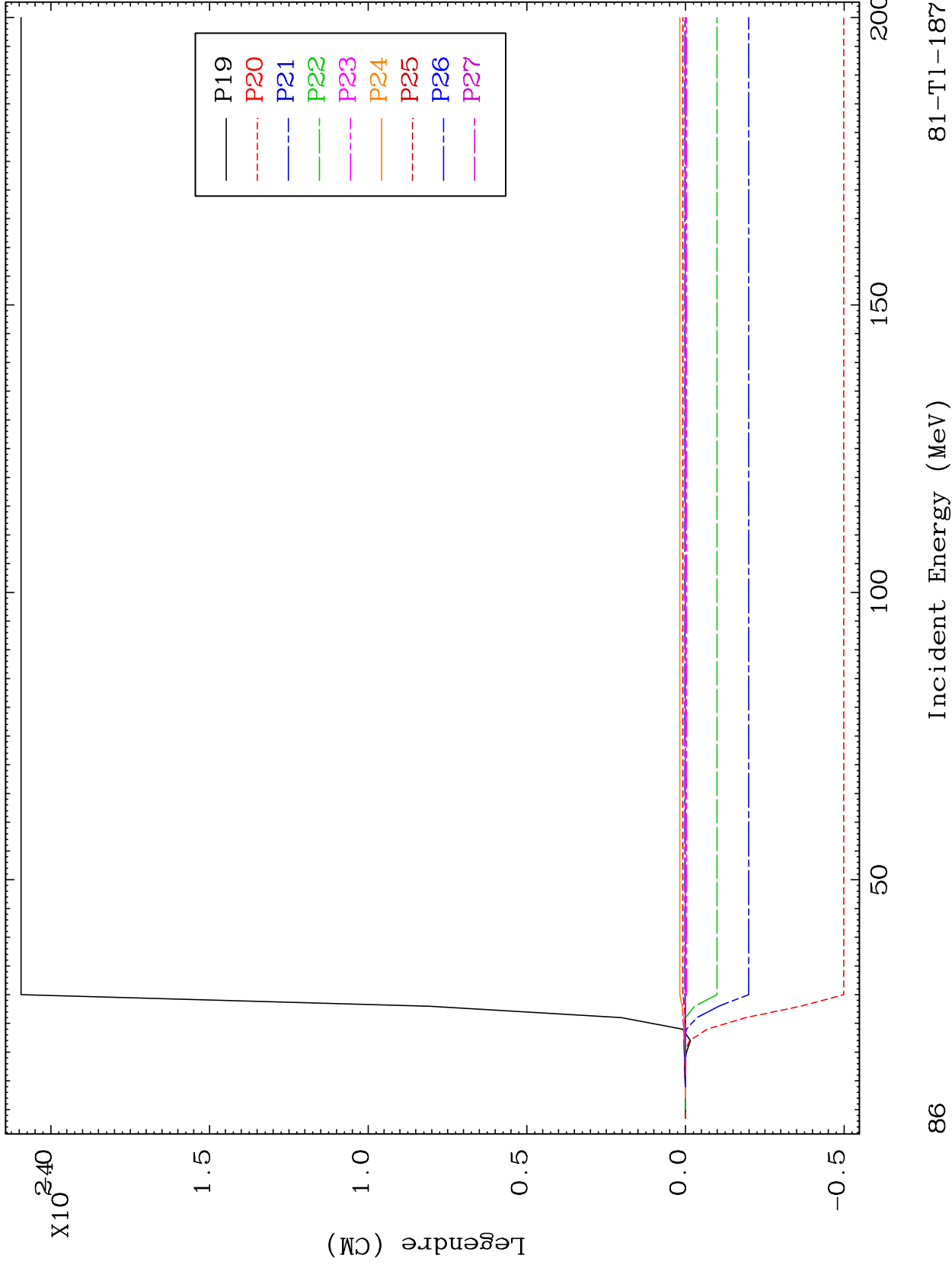
81-Tl-187



85

Incident Energy (MeV)

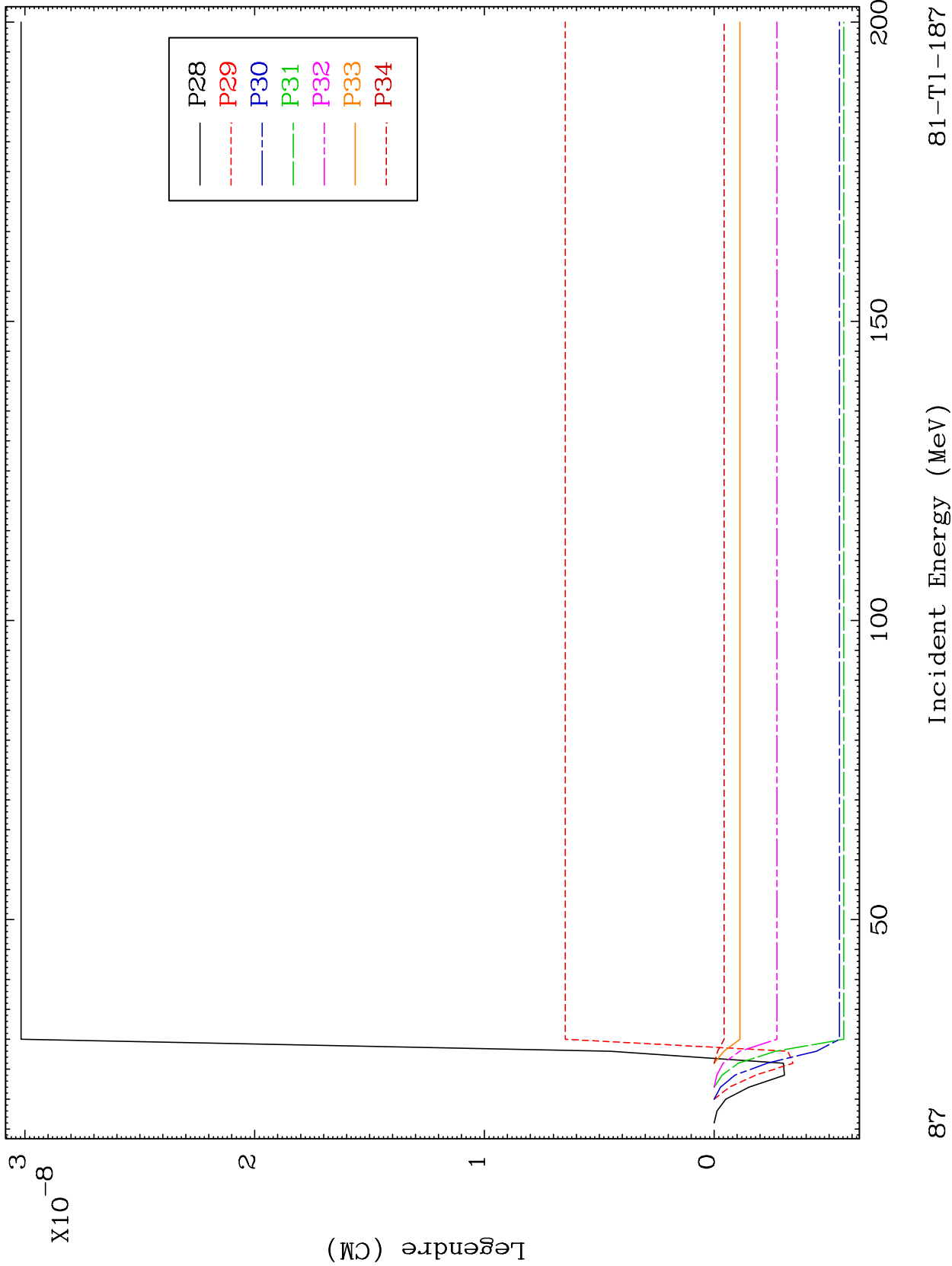
81-Tl-187



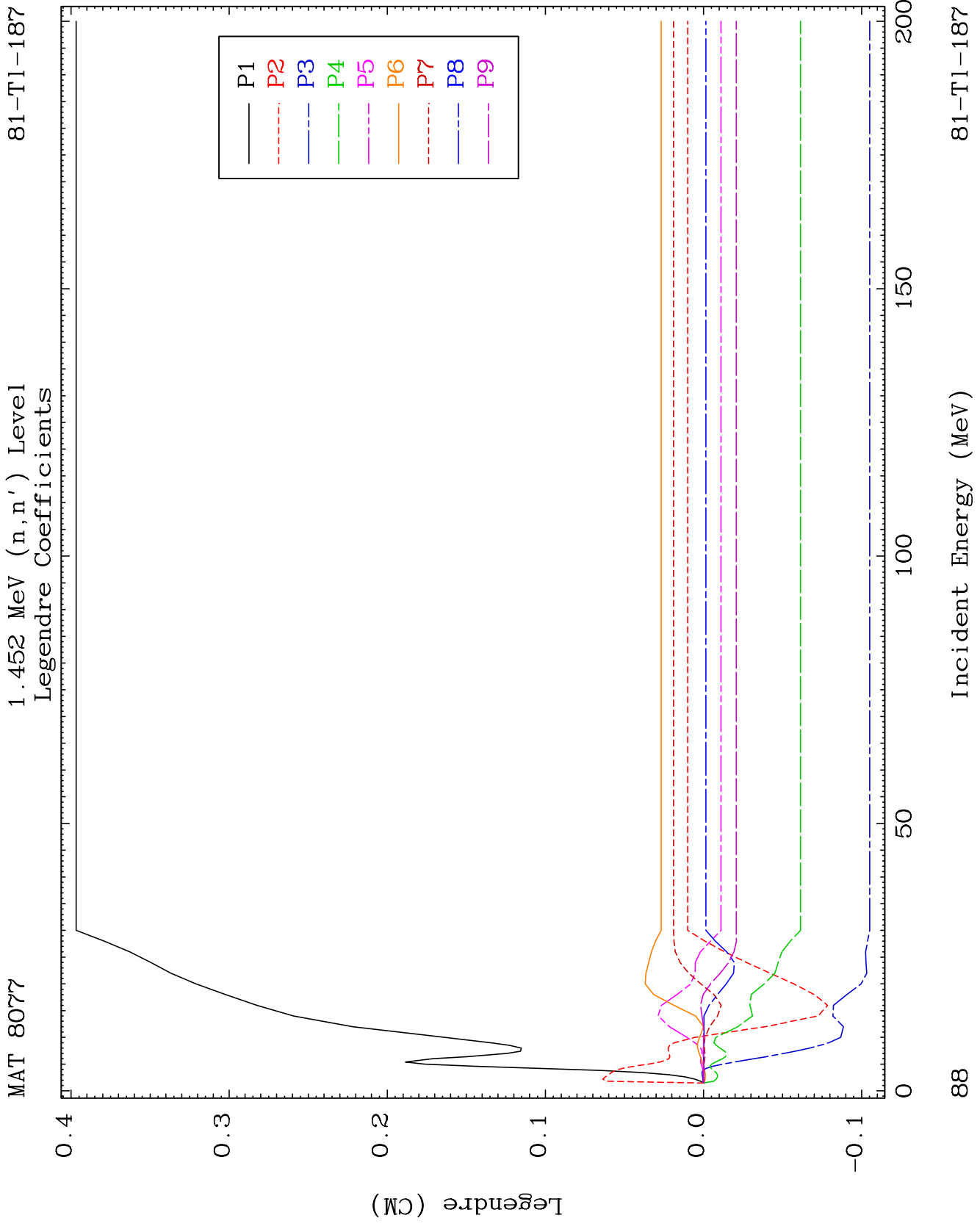
MAT 80777

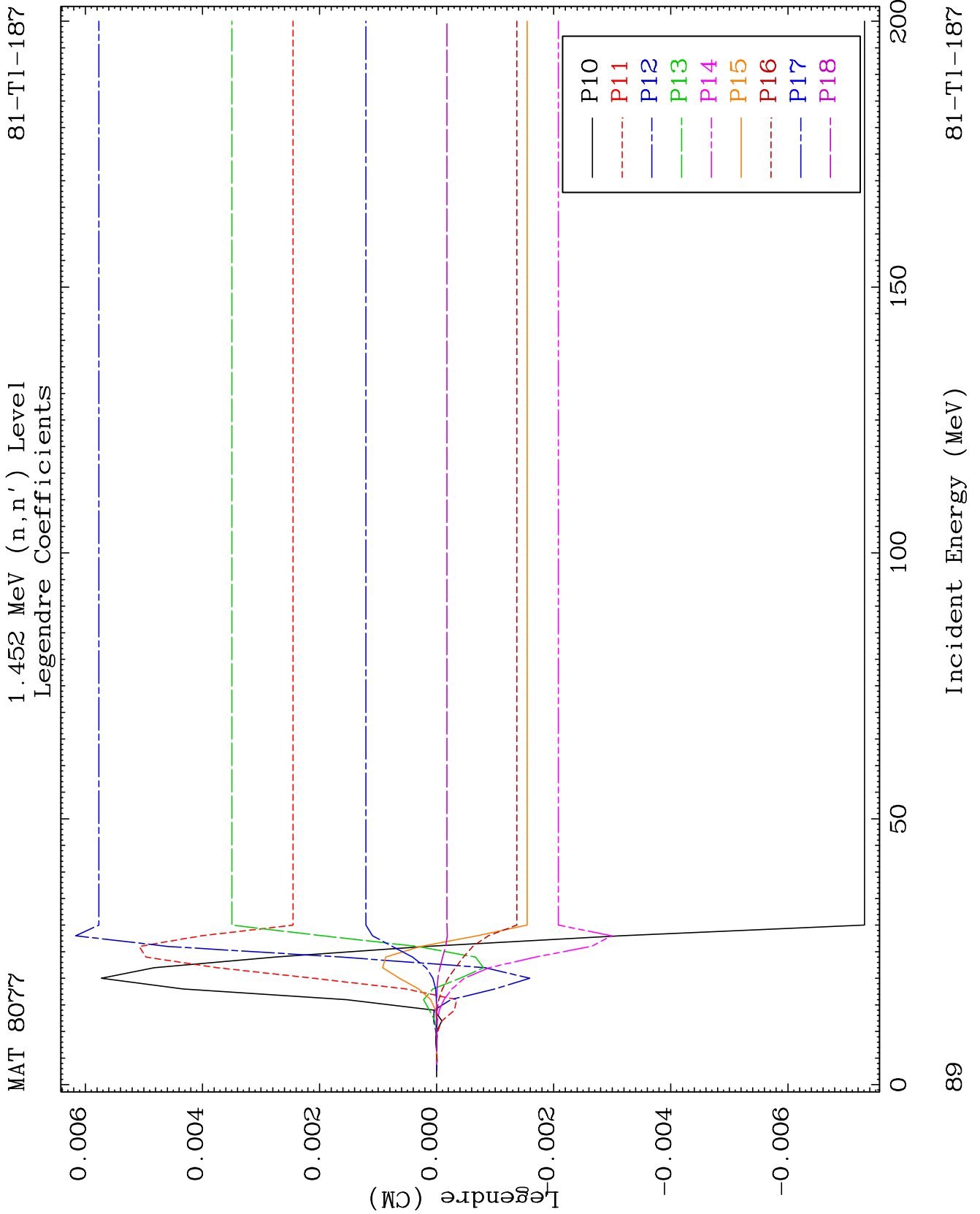
1.447 MeV (n,n') Level
Legendre Coefficients

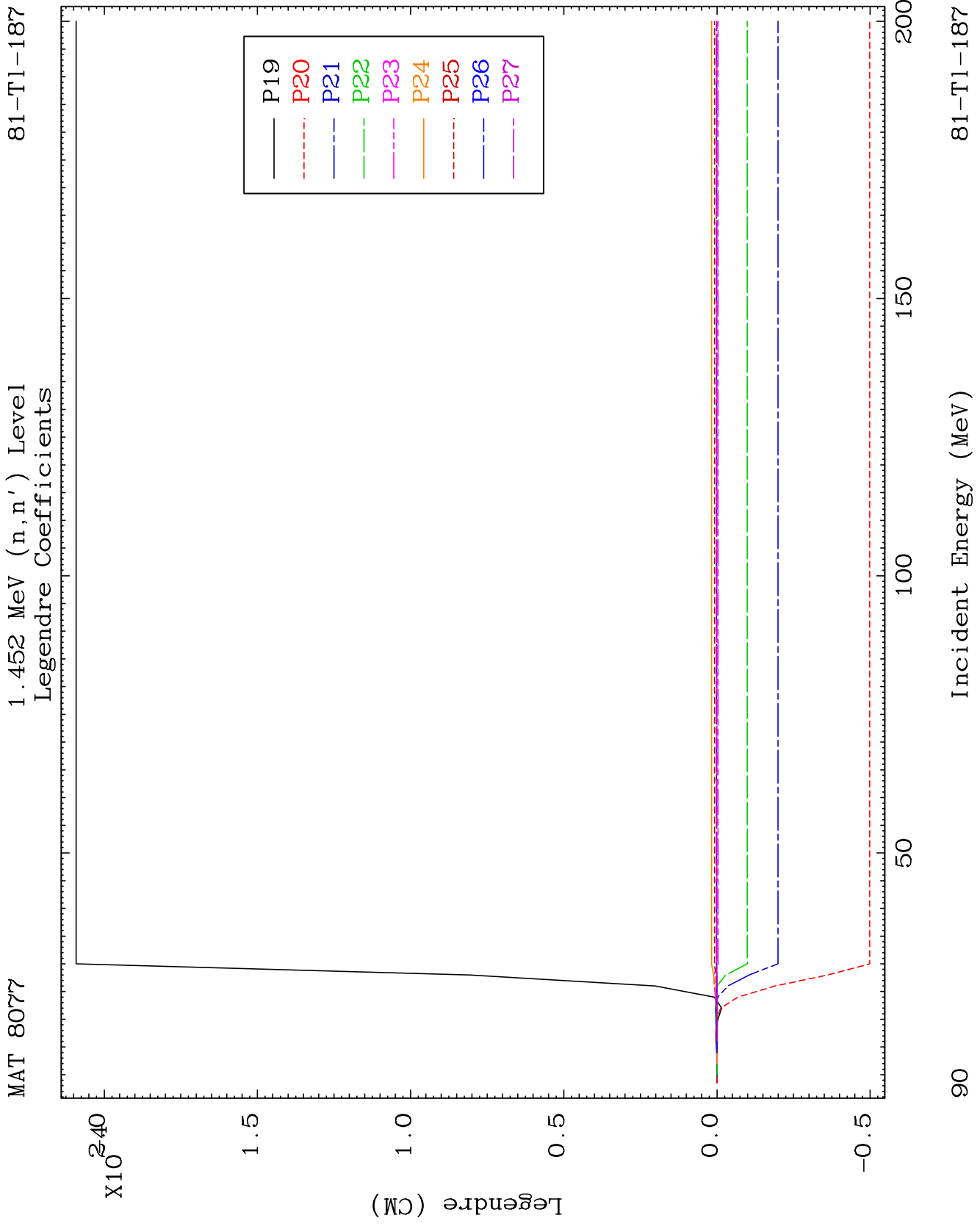
81-Tl-187

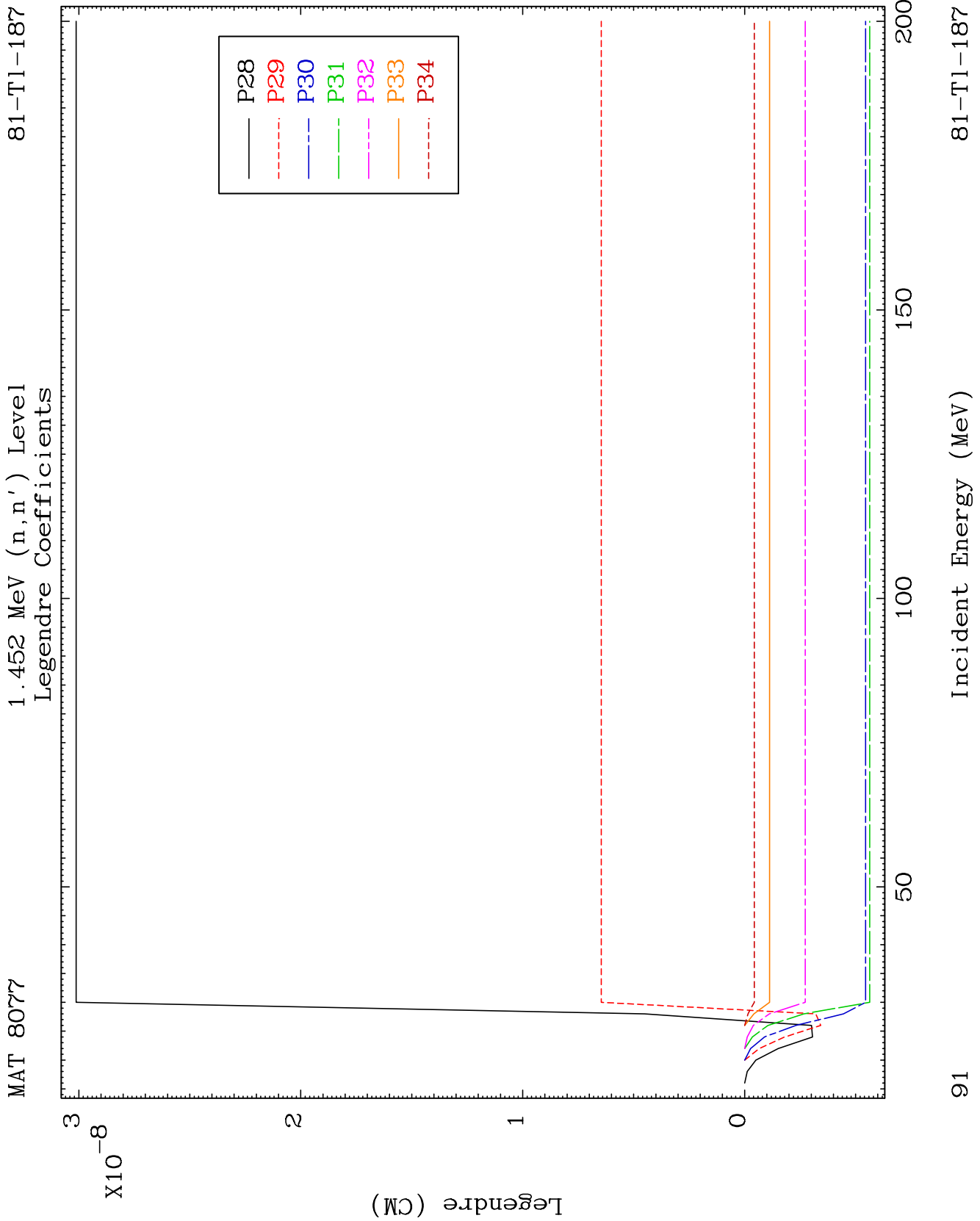


87





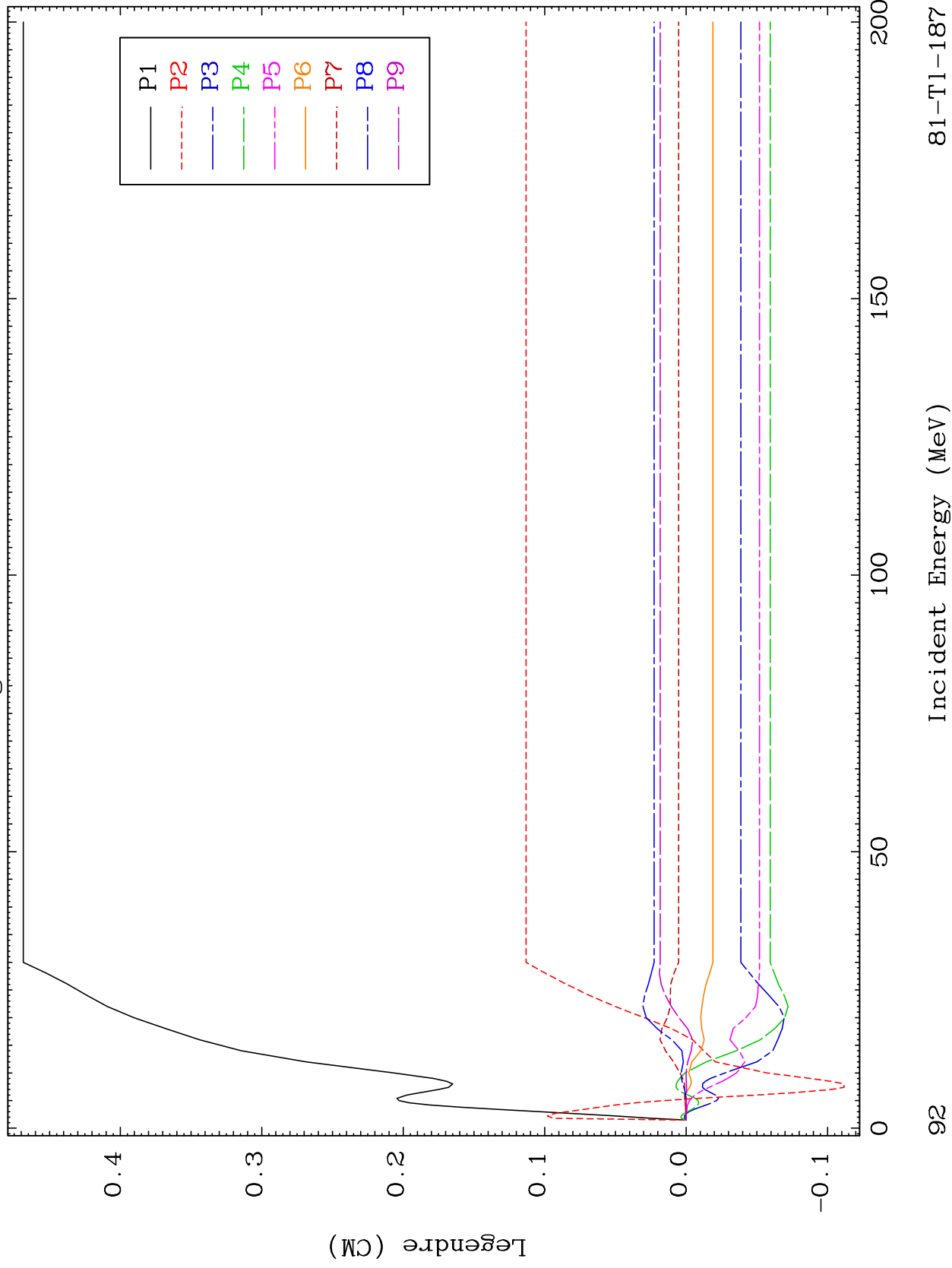




MAT 80777

1.464 MeV (n,n') Level
Legendre Coefficients

81-Tl-187



81-Tl-187

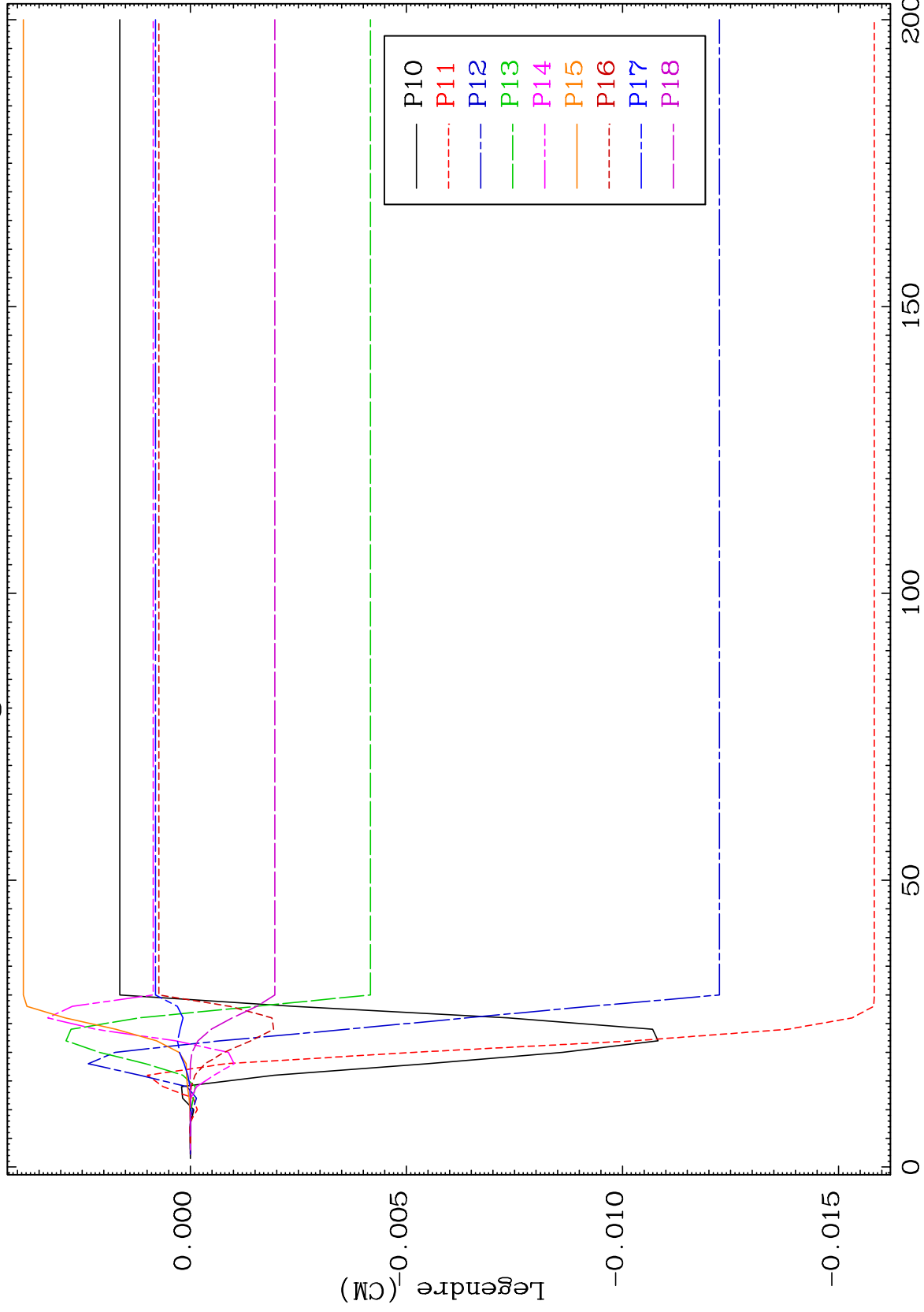
Incident Energy (MeV)

92

MAT 8077

1.464 MeV (n,n') Level
Legendre Coefficients

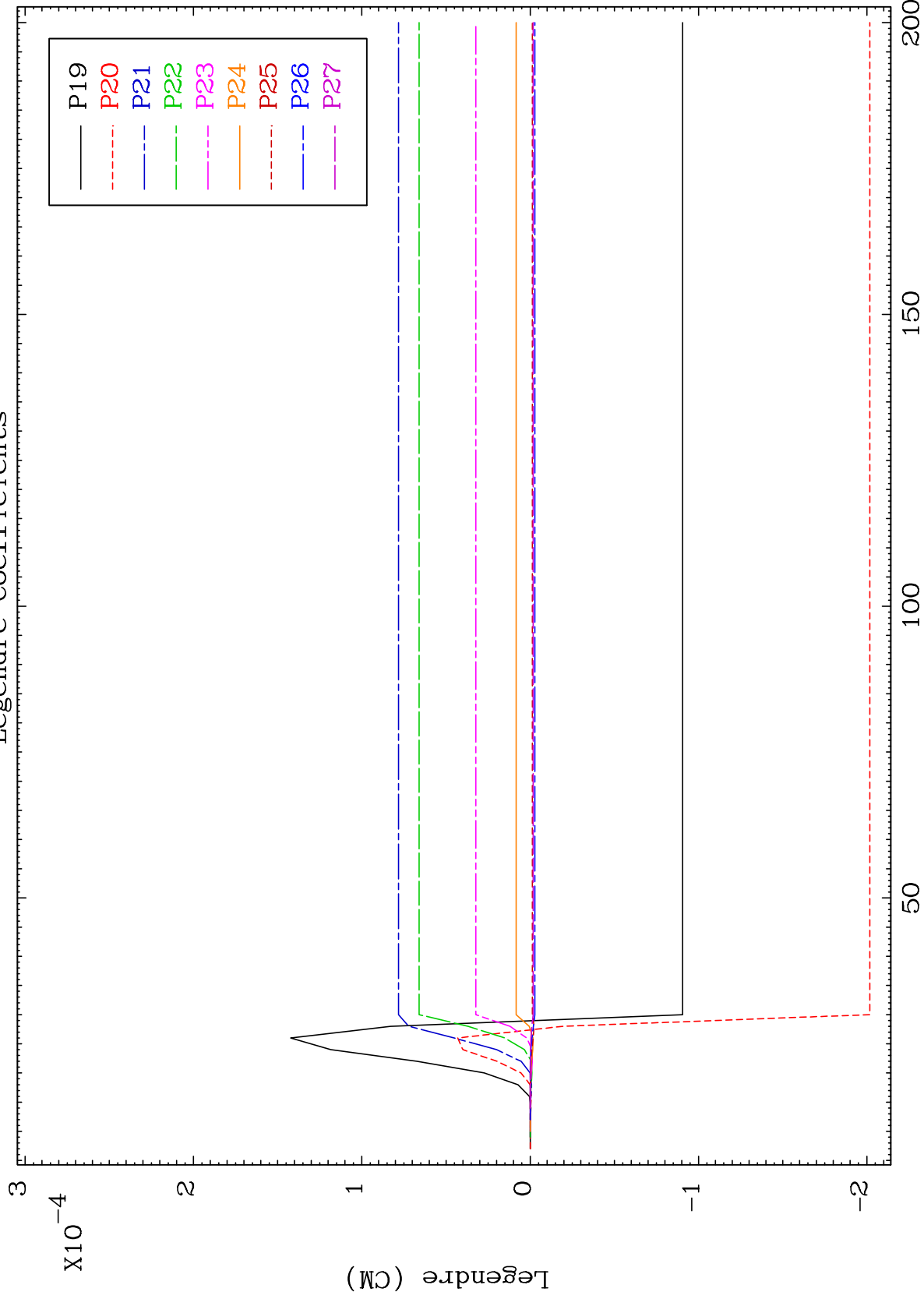
81-T1-187

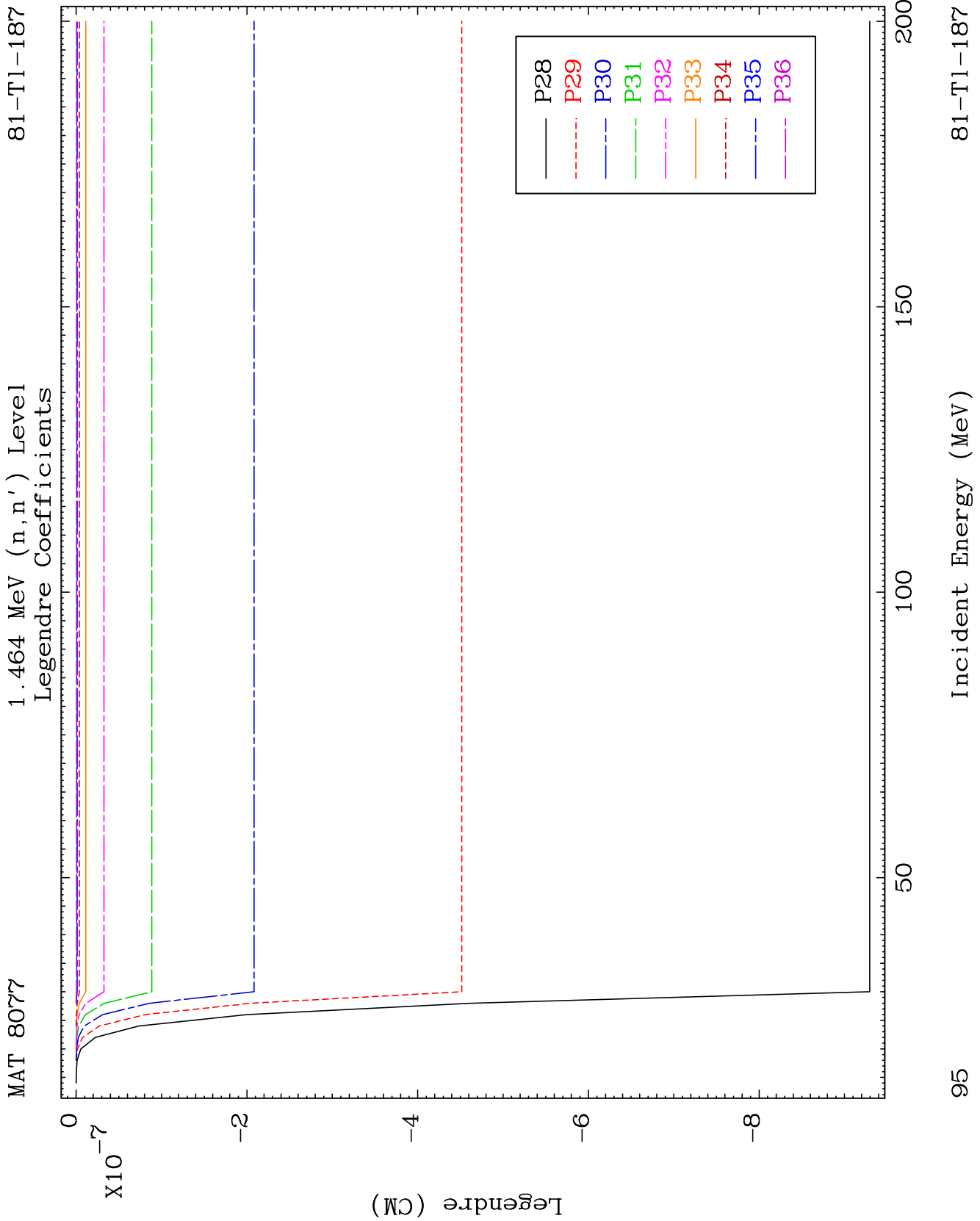


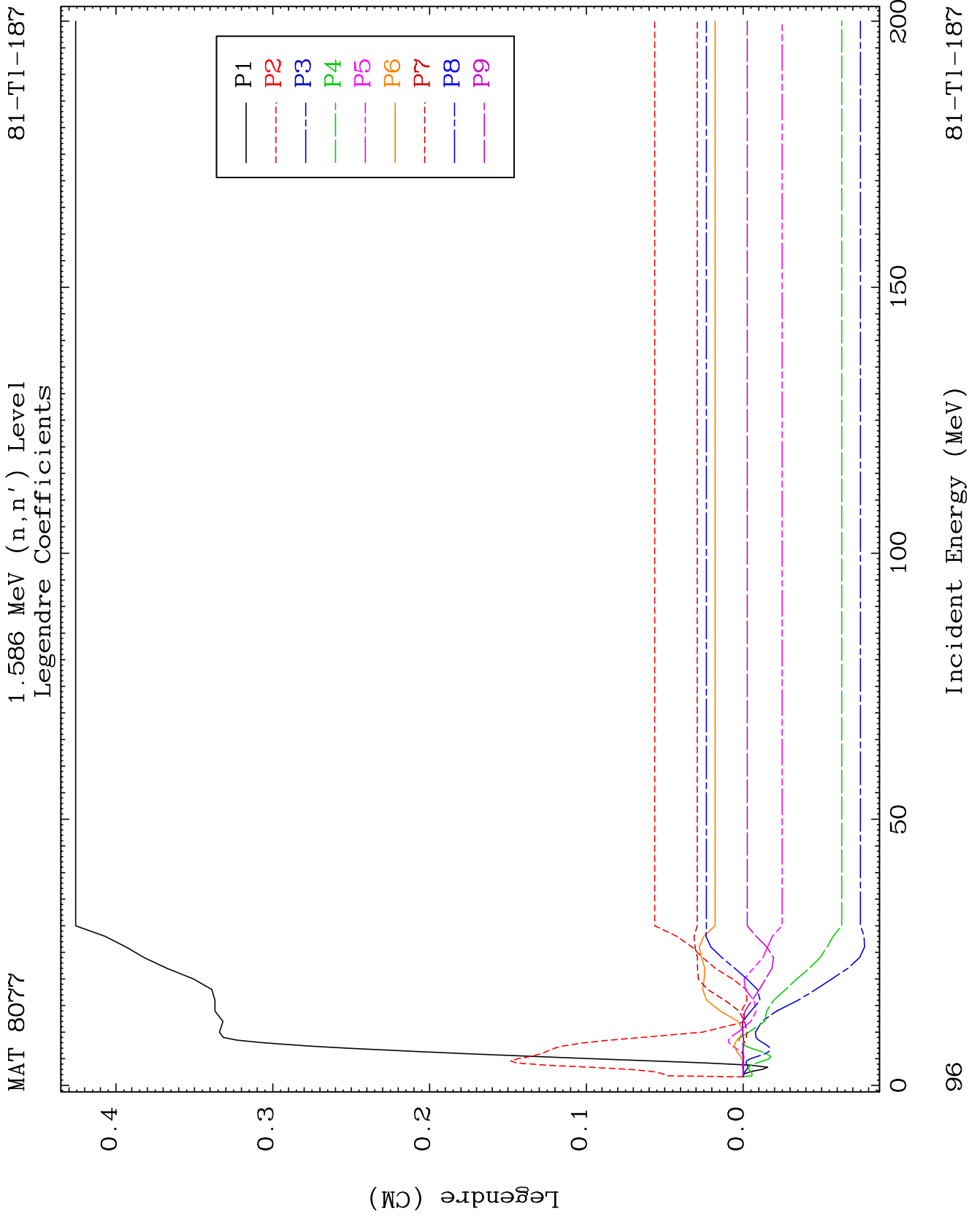
93

Incident Energy (MeV)

81-T1-187



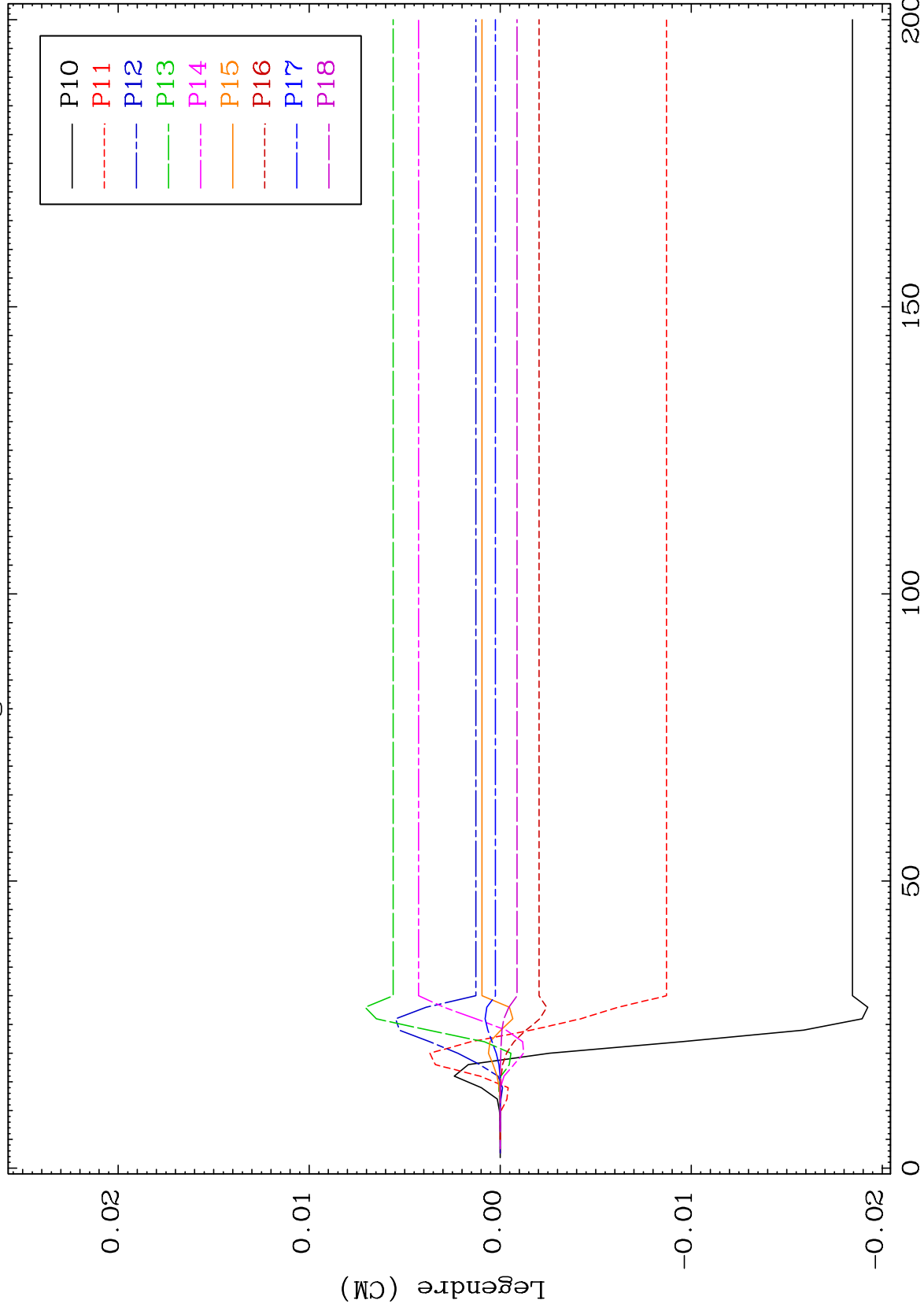




MAT 80777

1.586 MeV (n,n') Level
Legendre Coefficients

81-T1-187



97

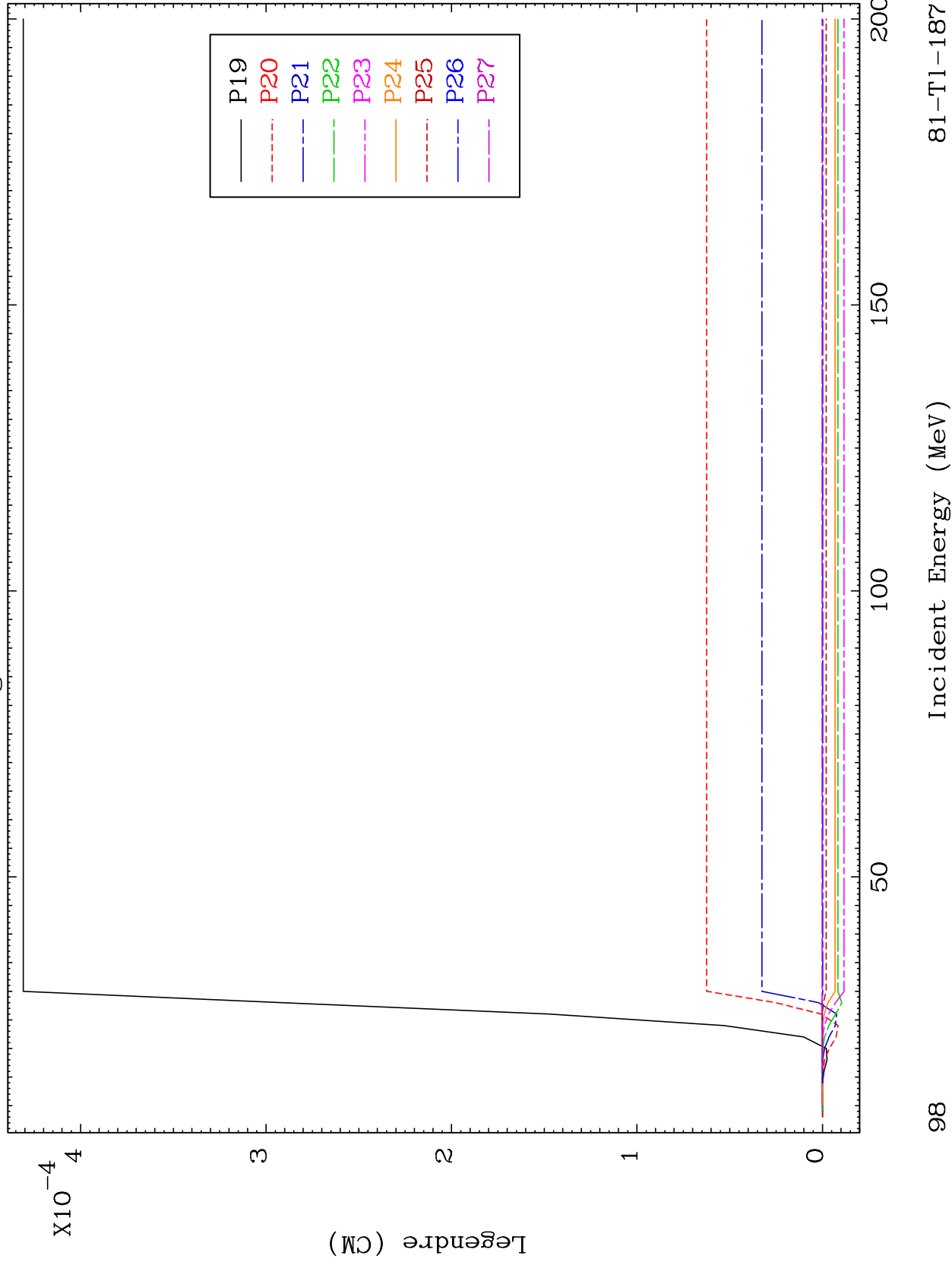
Incident Energy (MeV)

81-T1-187

MAT 8077

1.586 MeV (n,n') Level
Legendre Coefficients

81-T1-187



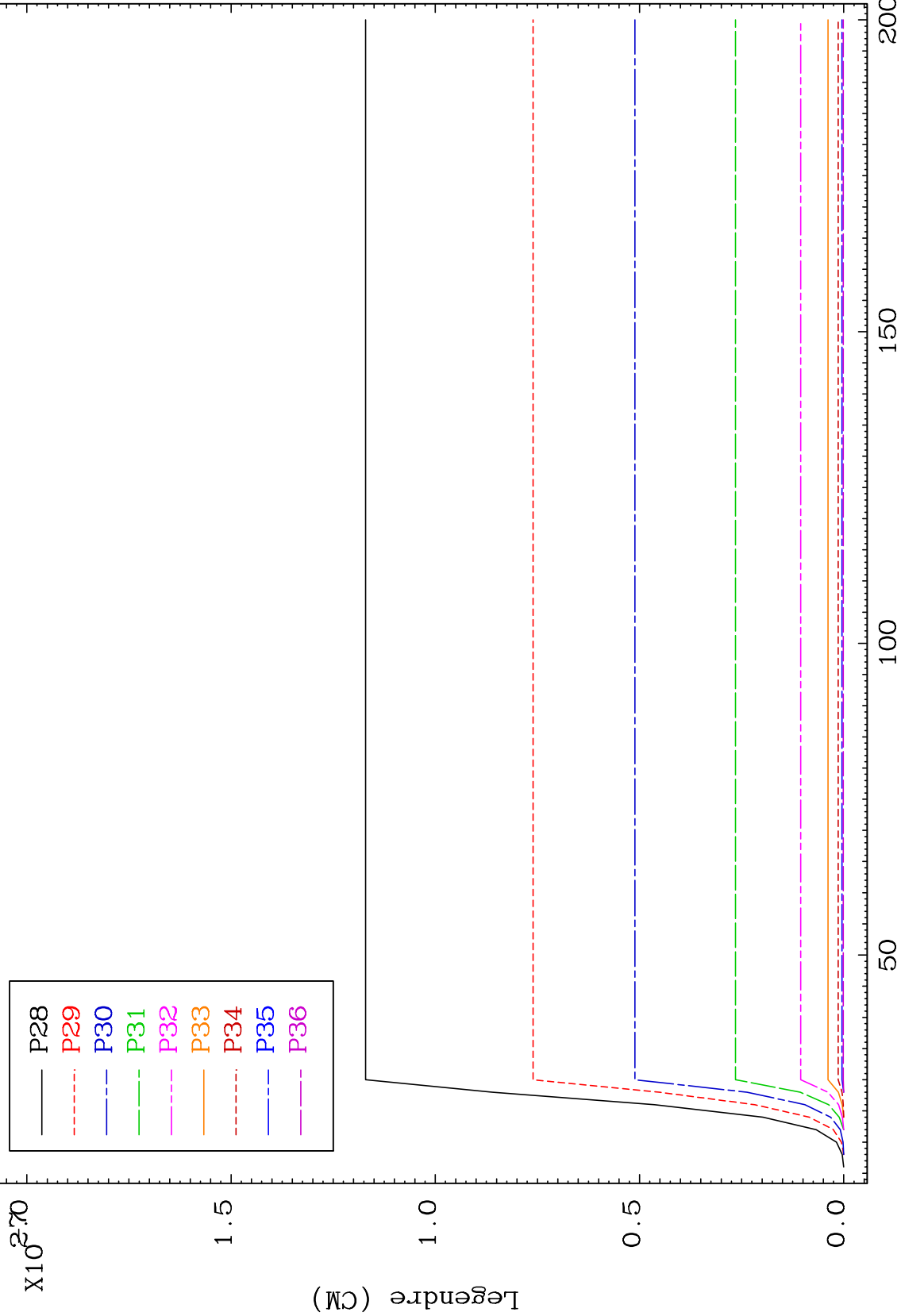
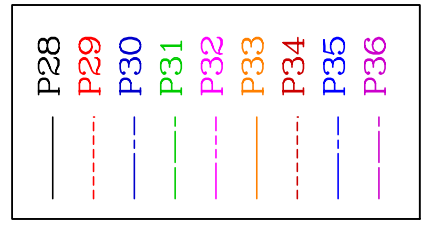
98

81-T1-187

MAT 8077

1.586 MeV (n,n') Level
Legendre Coefficients

81-T1-187



99

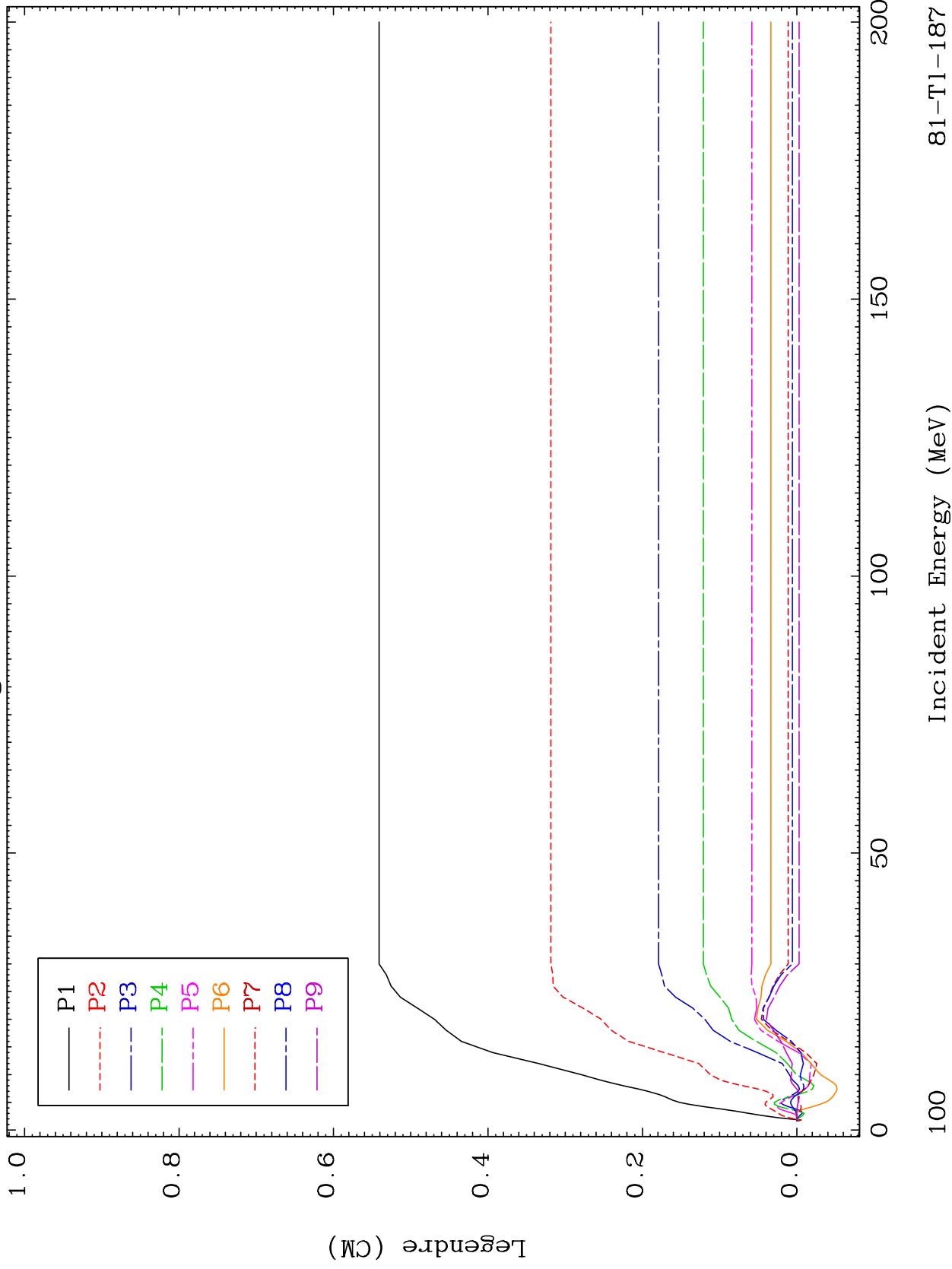
Incident Energy (MeV)

81-T1-187

MAT 8077

1.631 MeV (n,n') Level
Legendre Coefficients

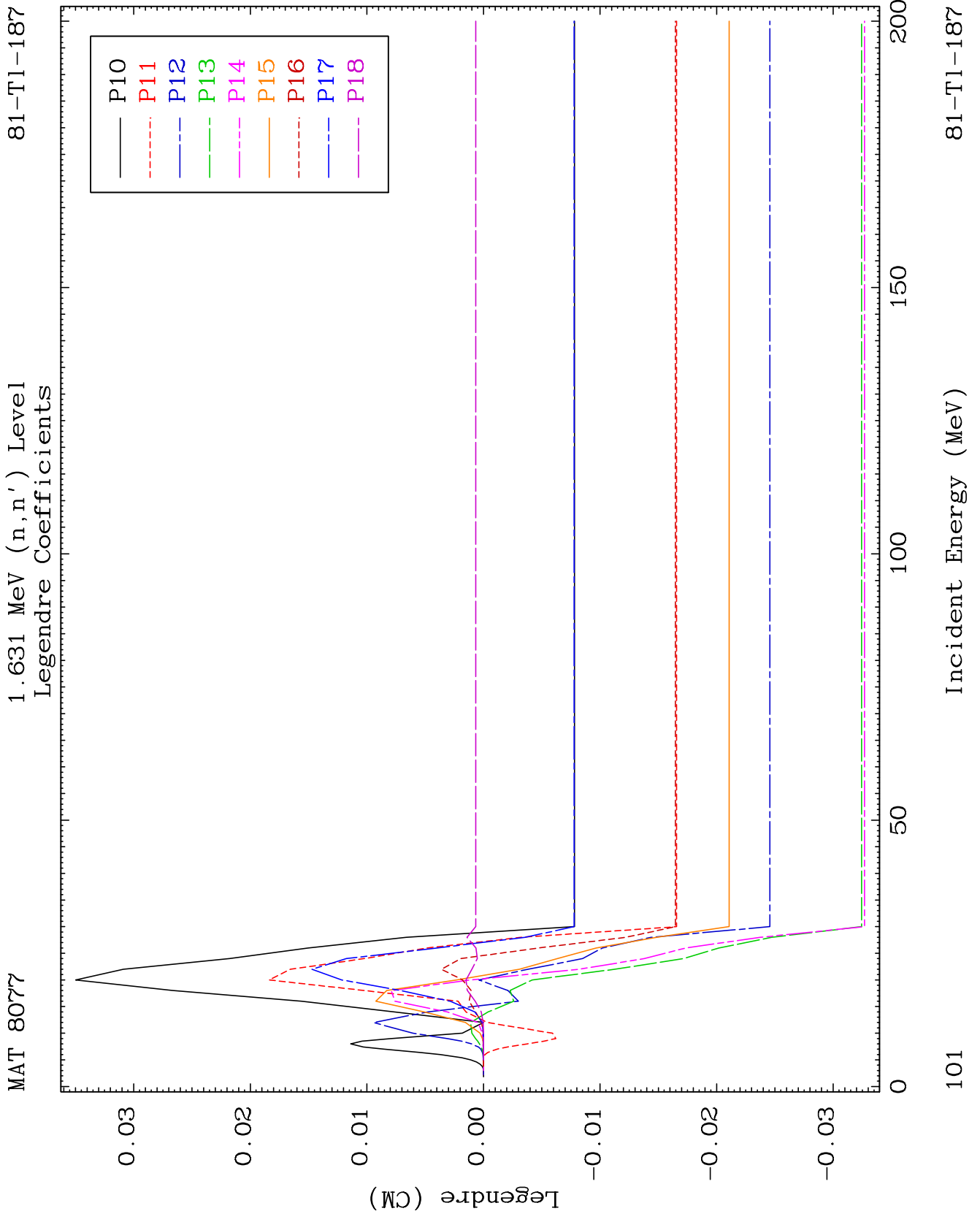
81-Tl-187



81-Tl-187

Incident Energy (MeV)

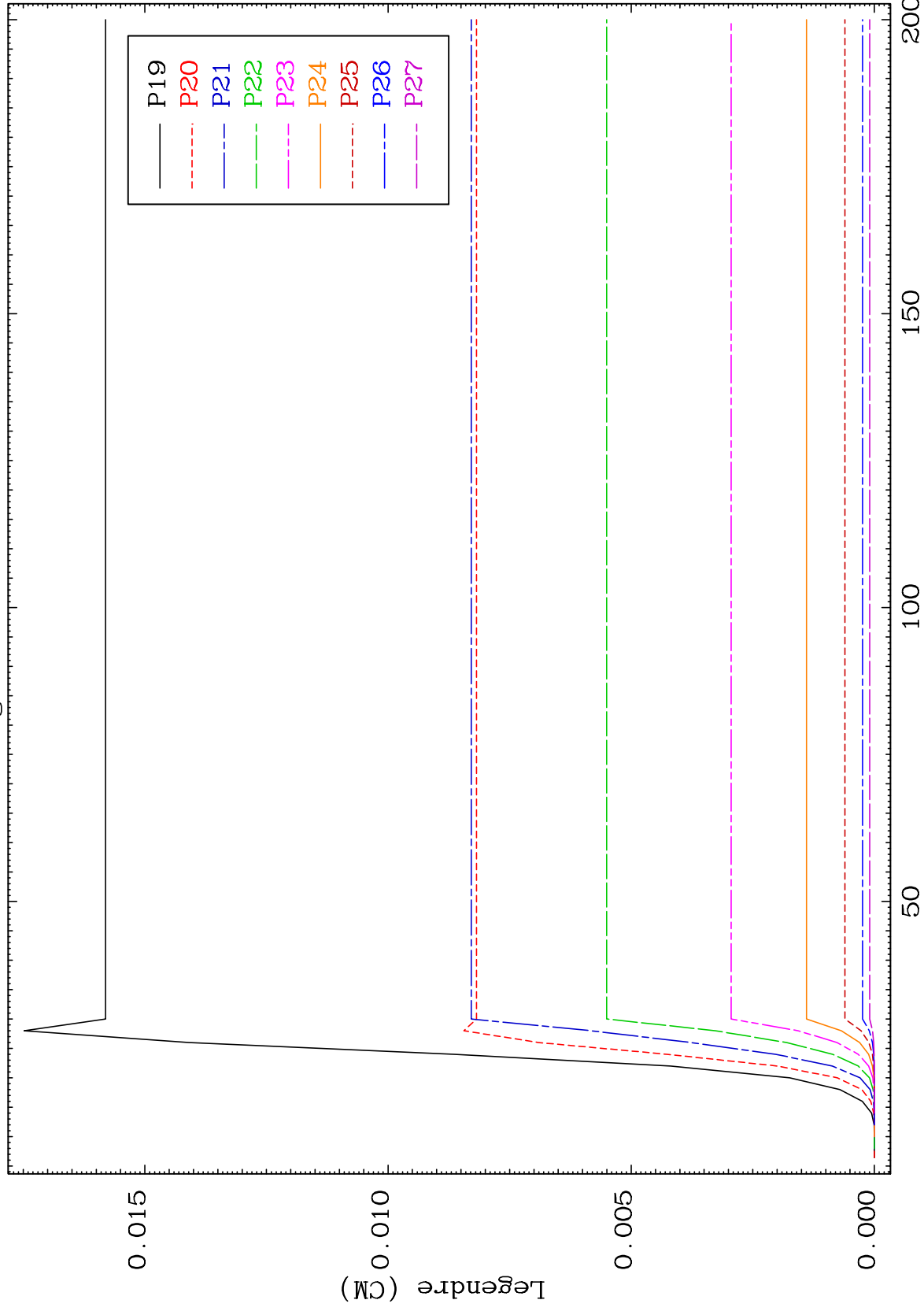
100



MAT 8077

1.631 MeV (n,n') Level
Legendre Coefficients

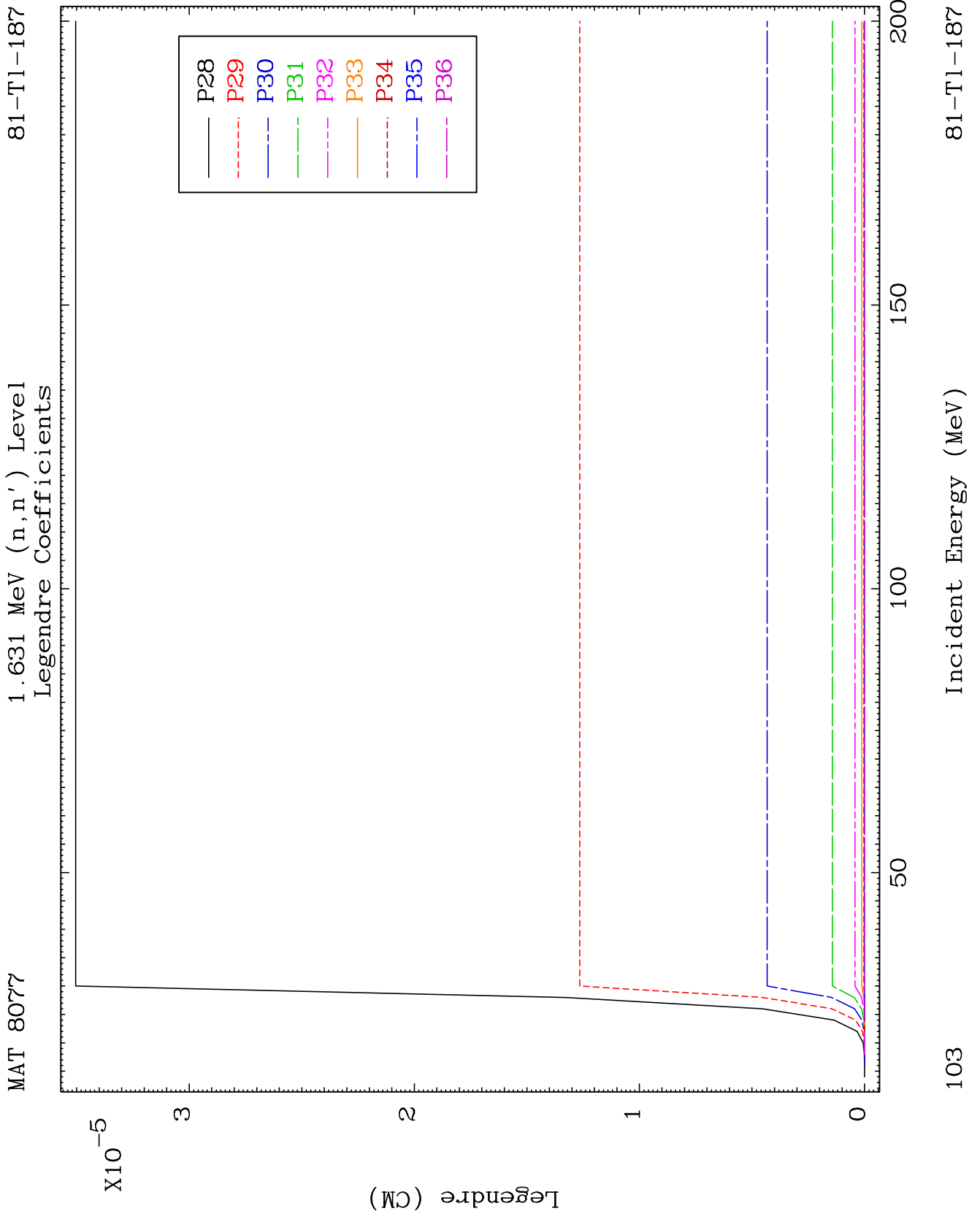
81-T1-187

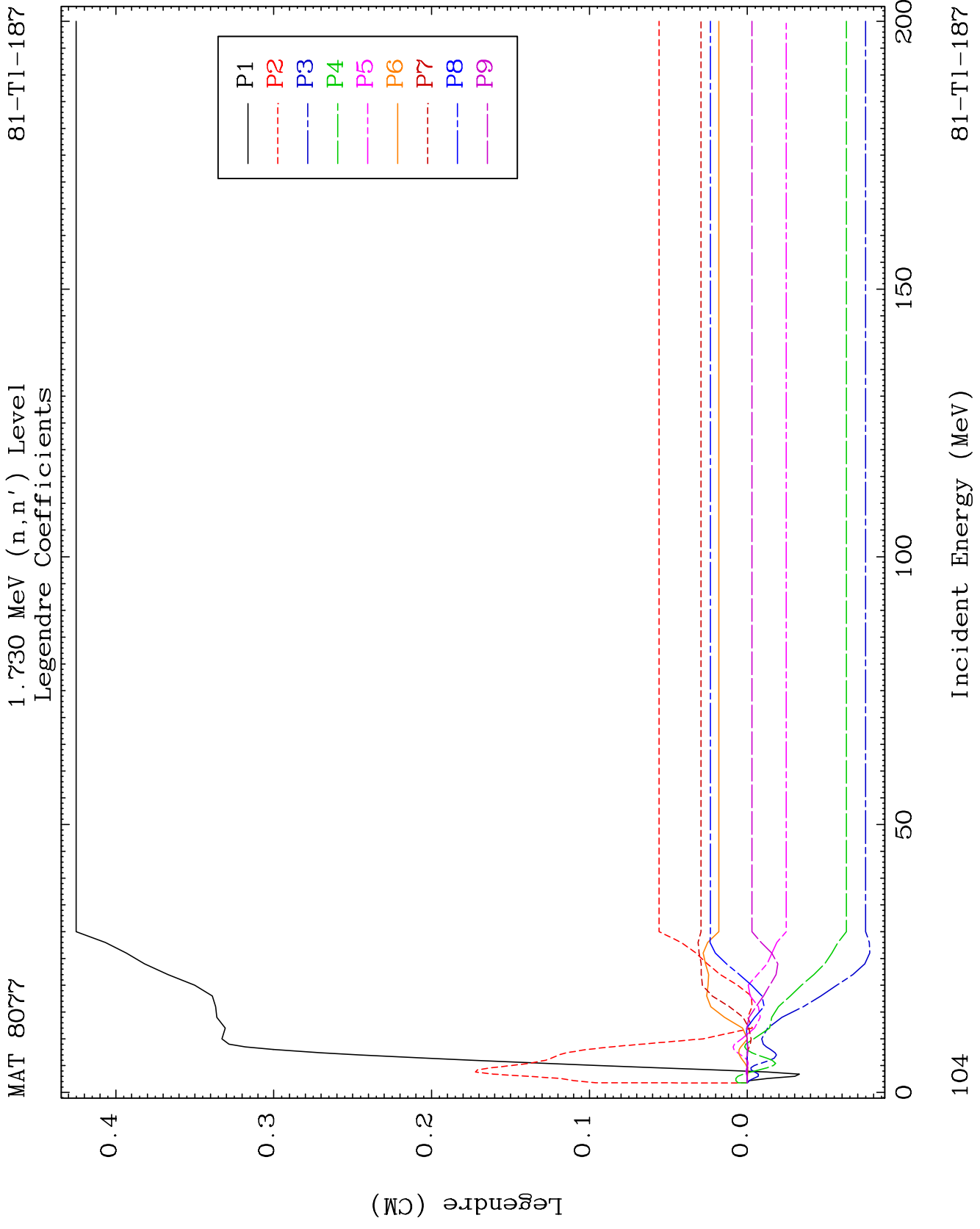


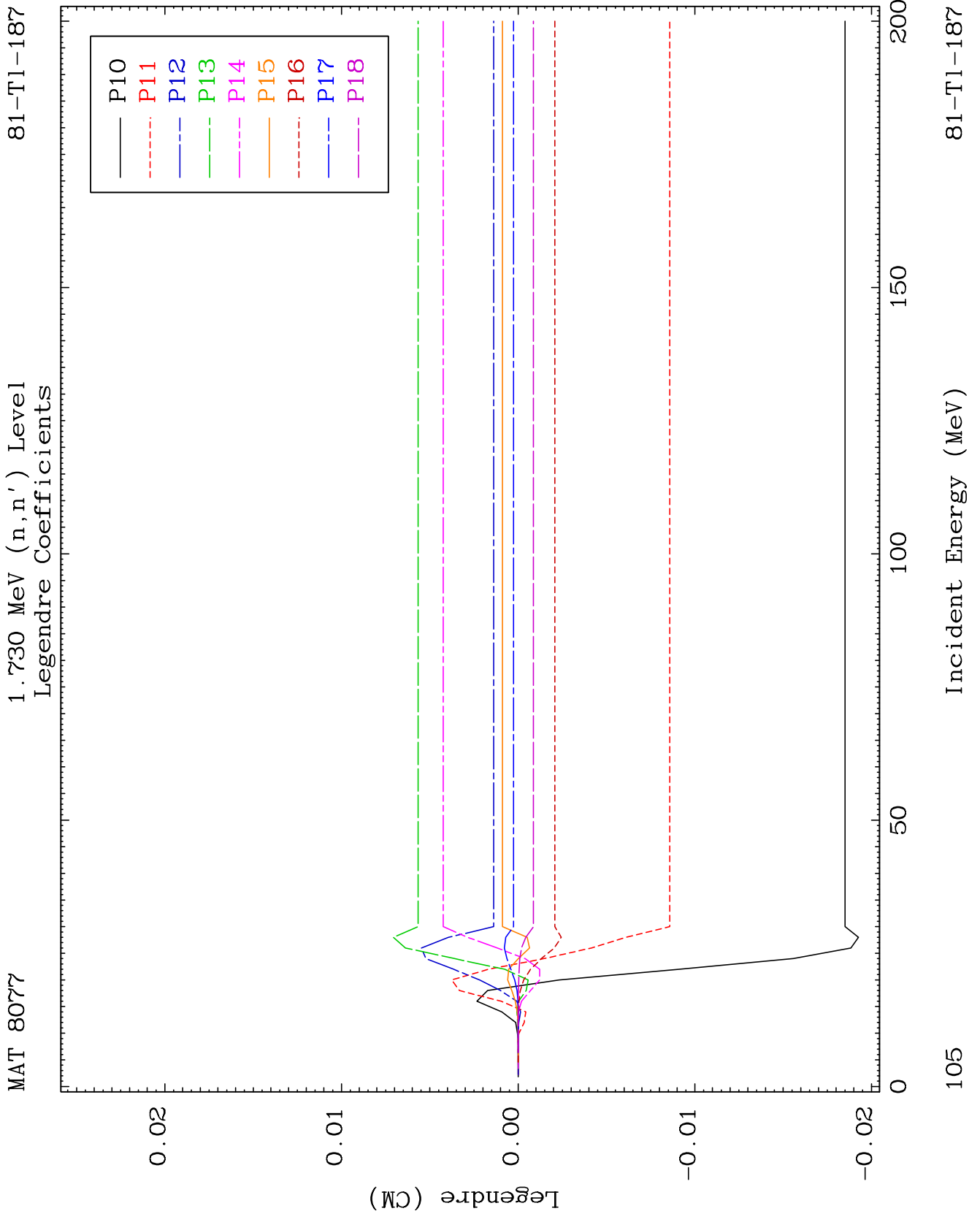
102

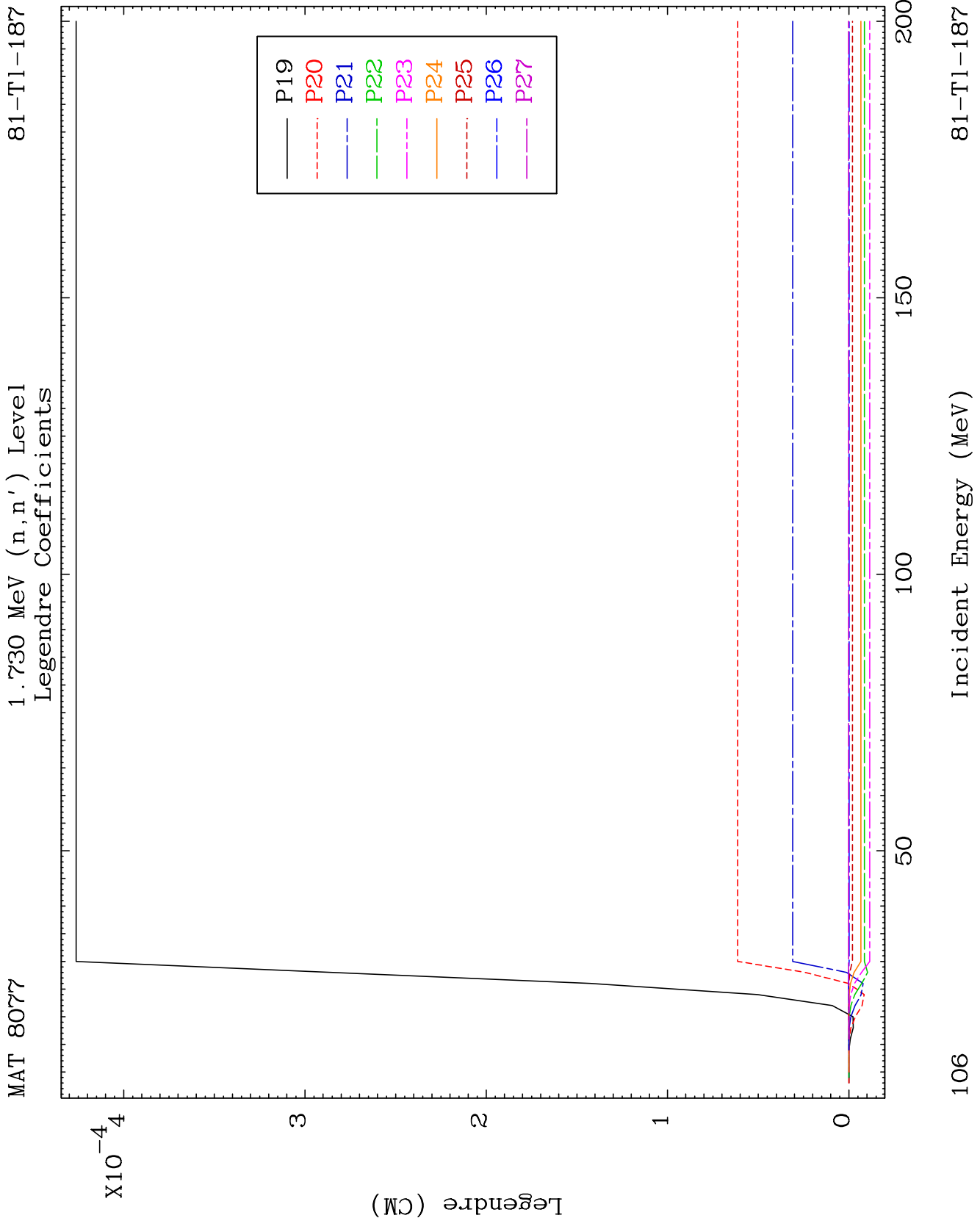
Incident Energy (MeV)

81-T1-187





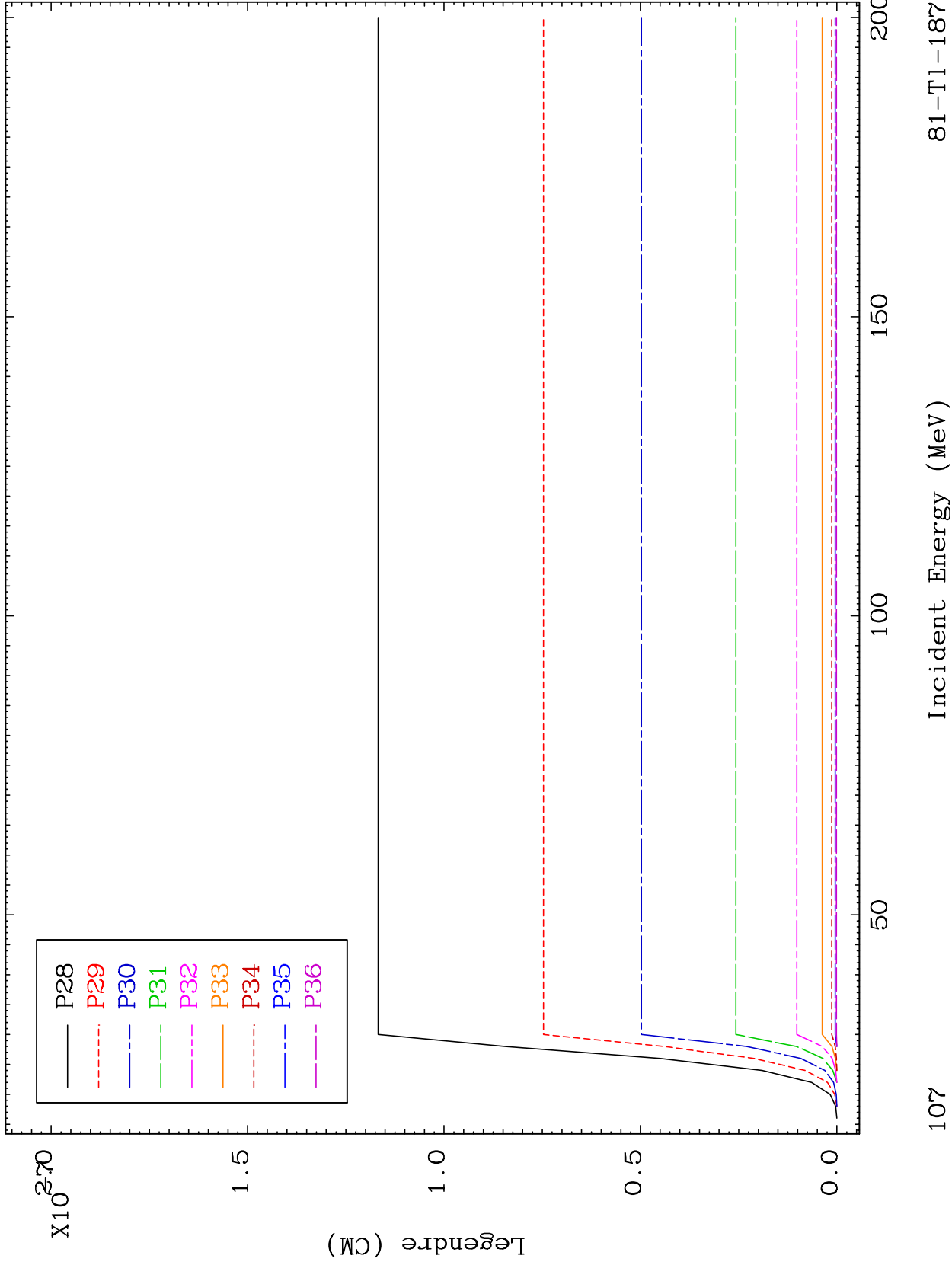




MAT 8077

1.730 MeV (n,n') Level
Legendre Coefficients

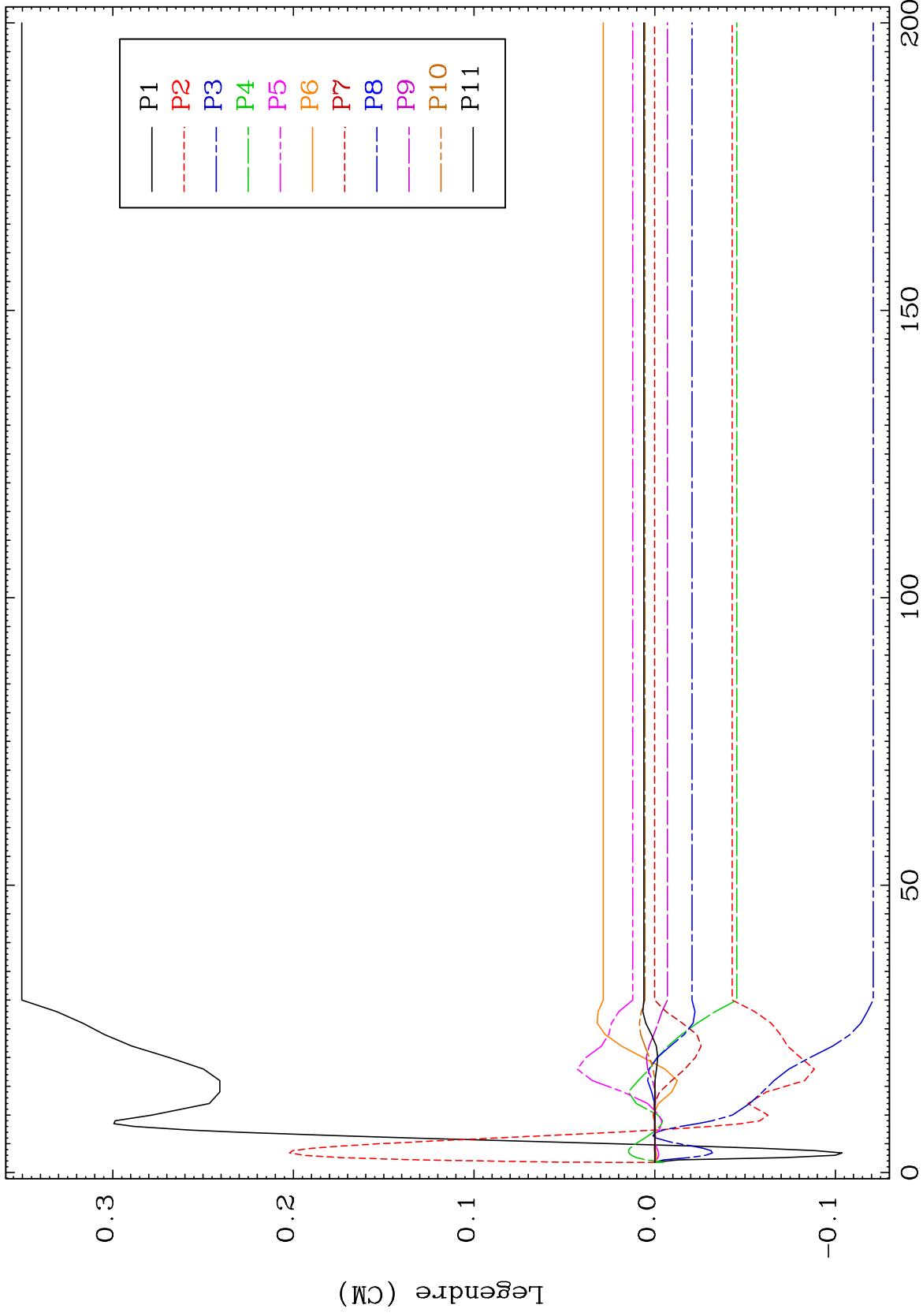
81-Tl-187



MAT 8077

1.738 MeV (n,n') Level
Legendre Coefficients

81-T1-187



108

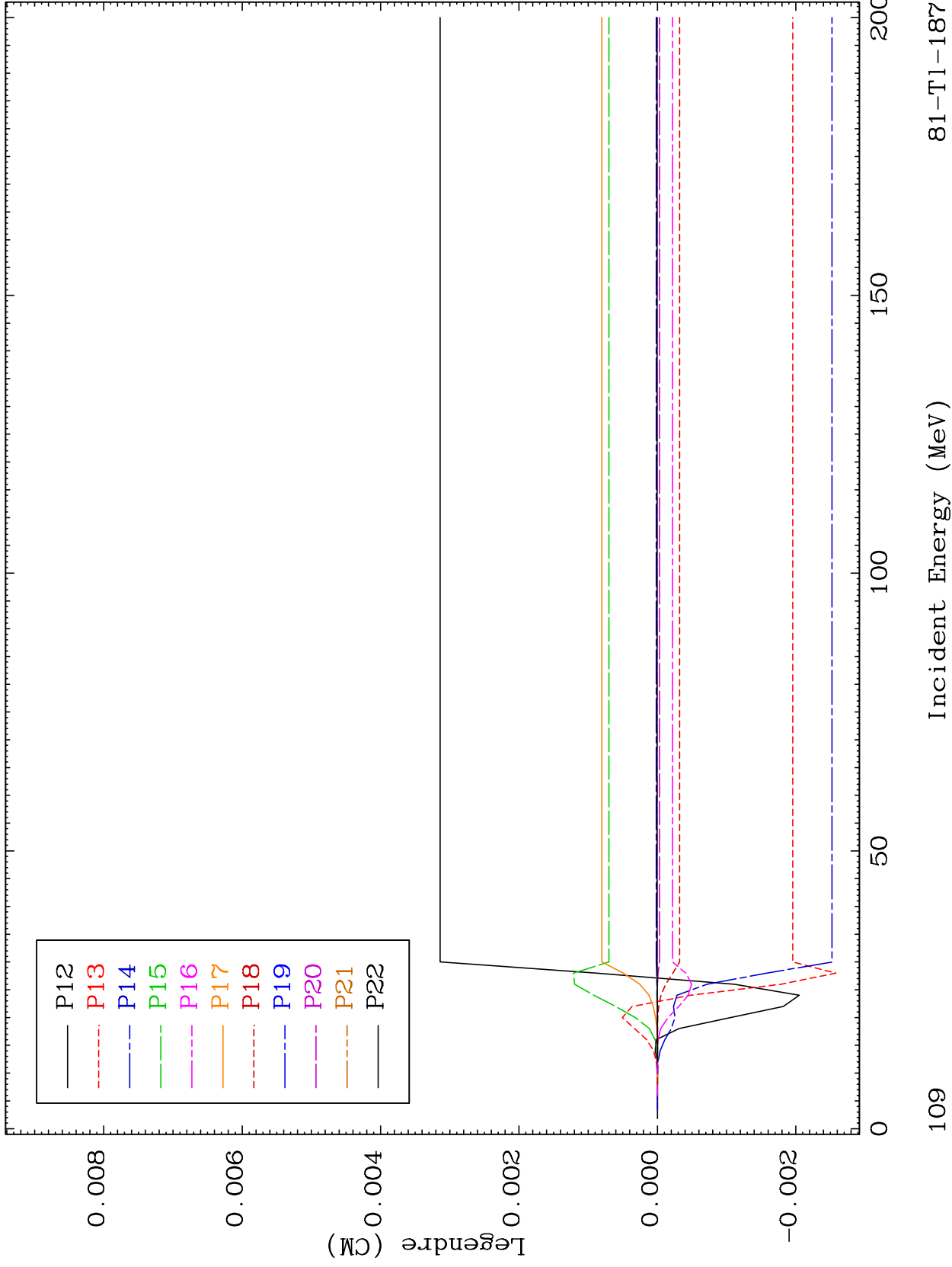
Incident Energy (MeV)

81-T1-187

MAT 8077

1.738 MeV (n,n') Level
Legendre Coefficients

81-Tl-187



109

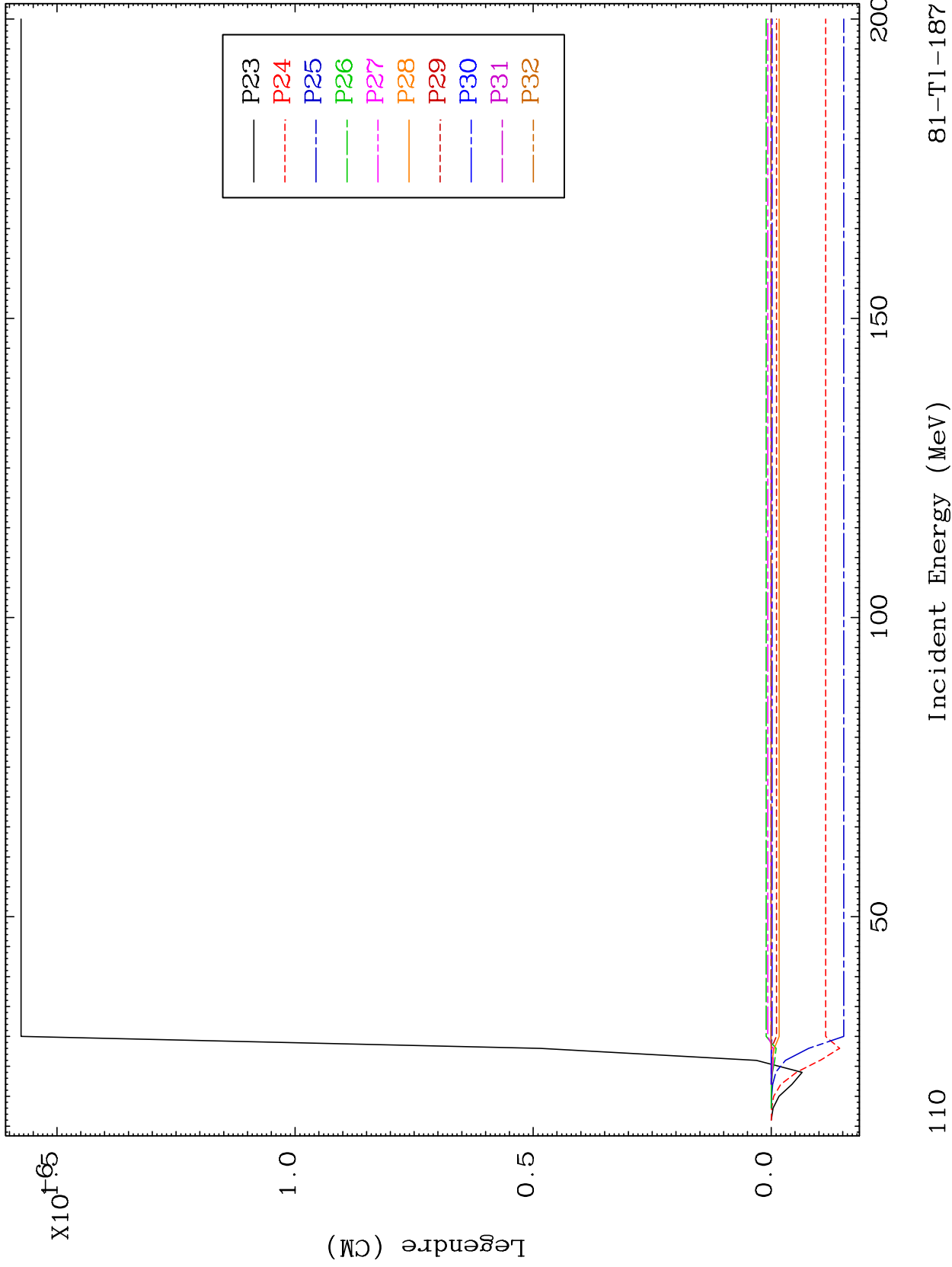
Incident Energy (MeV)

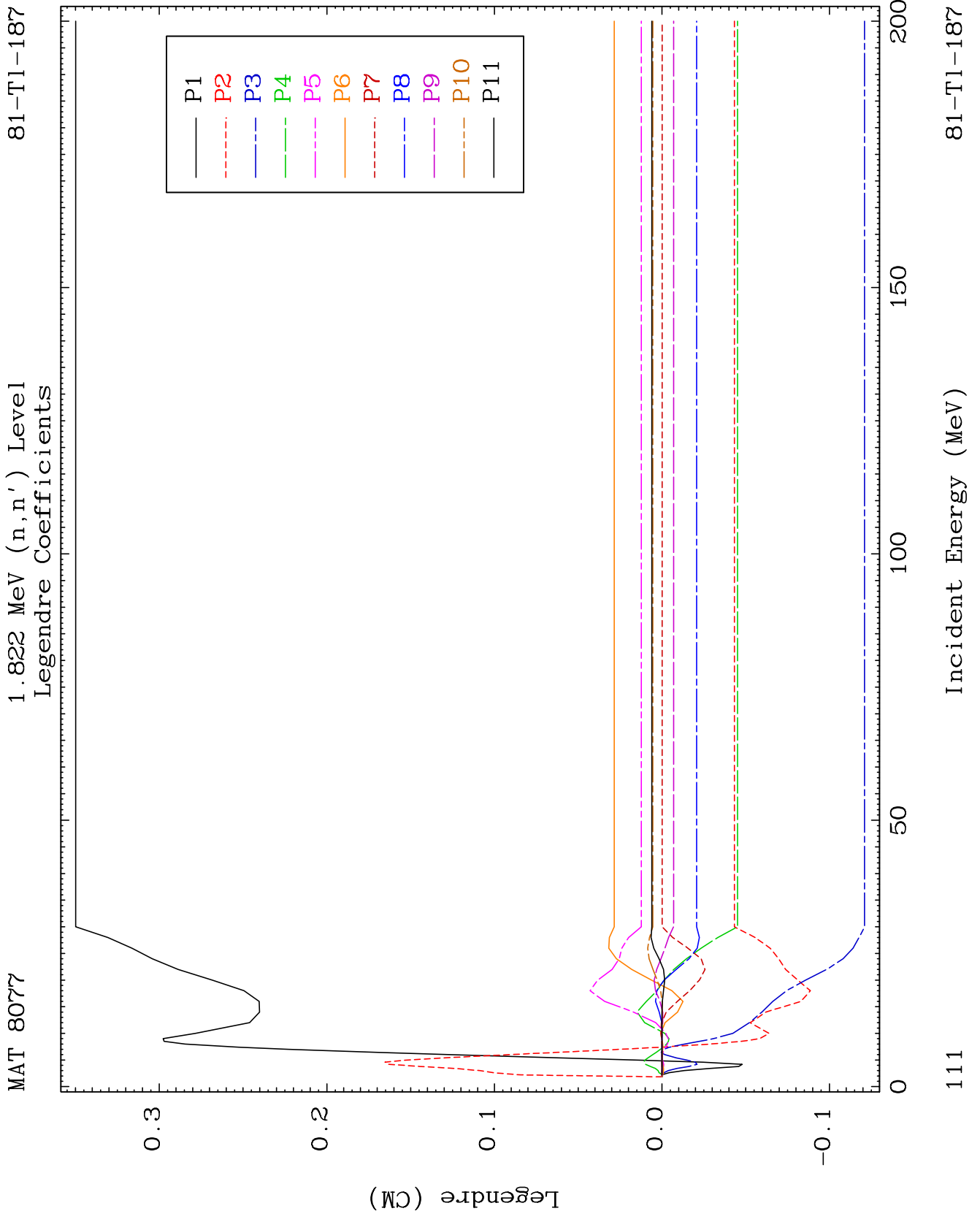
81-Tl-187

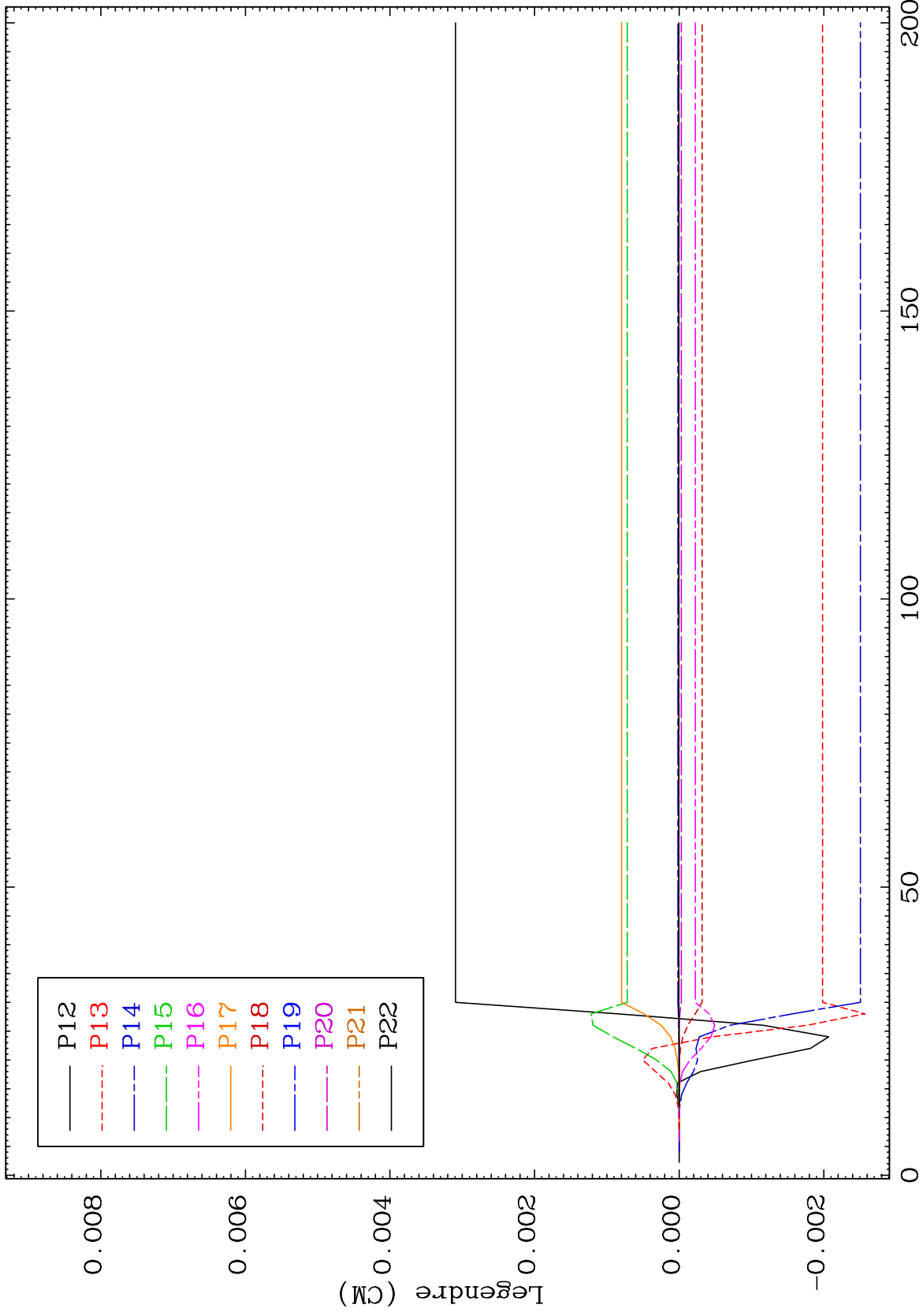
MAT 8077

1.738 MeV (n,n') Level
Legendre Coefficients

81-T1-187



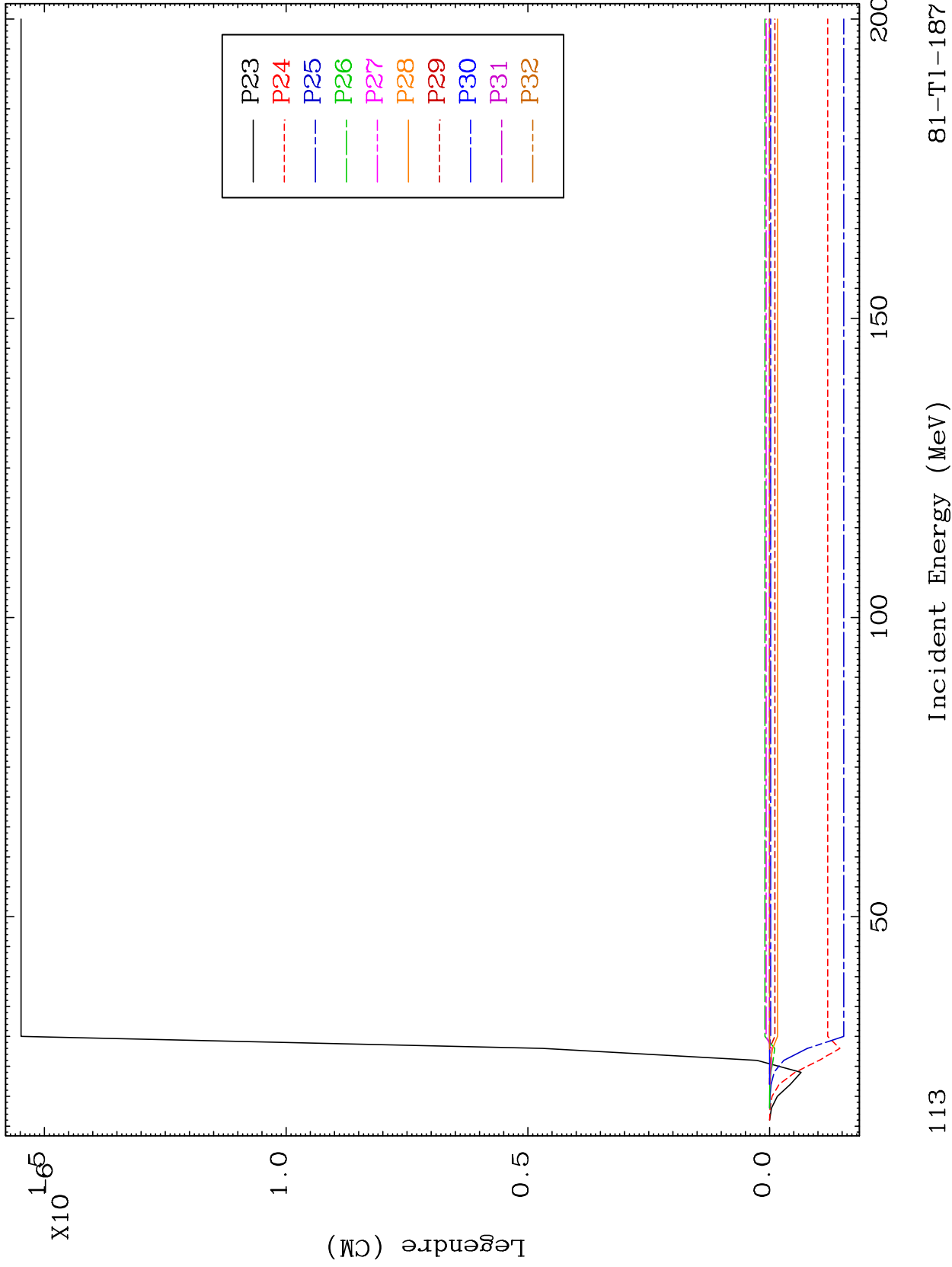




MAT 8077

1.822 MeV (n,n') Level
Legendre Coefficients

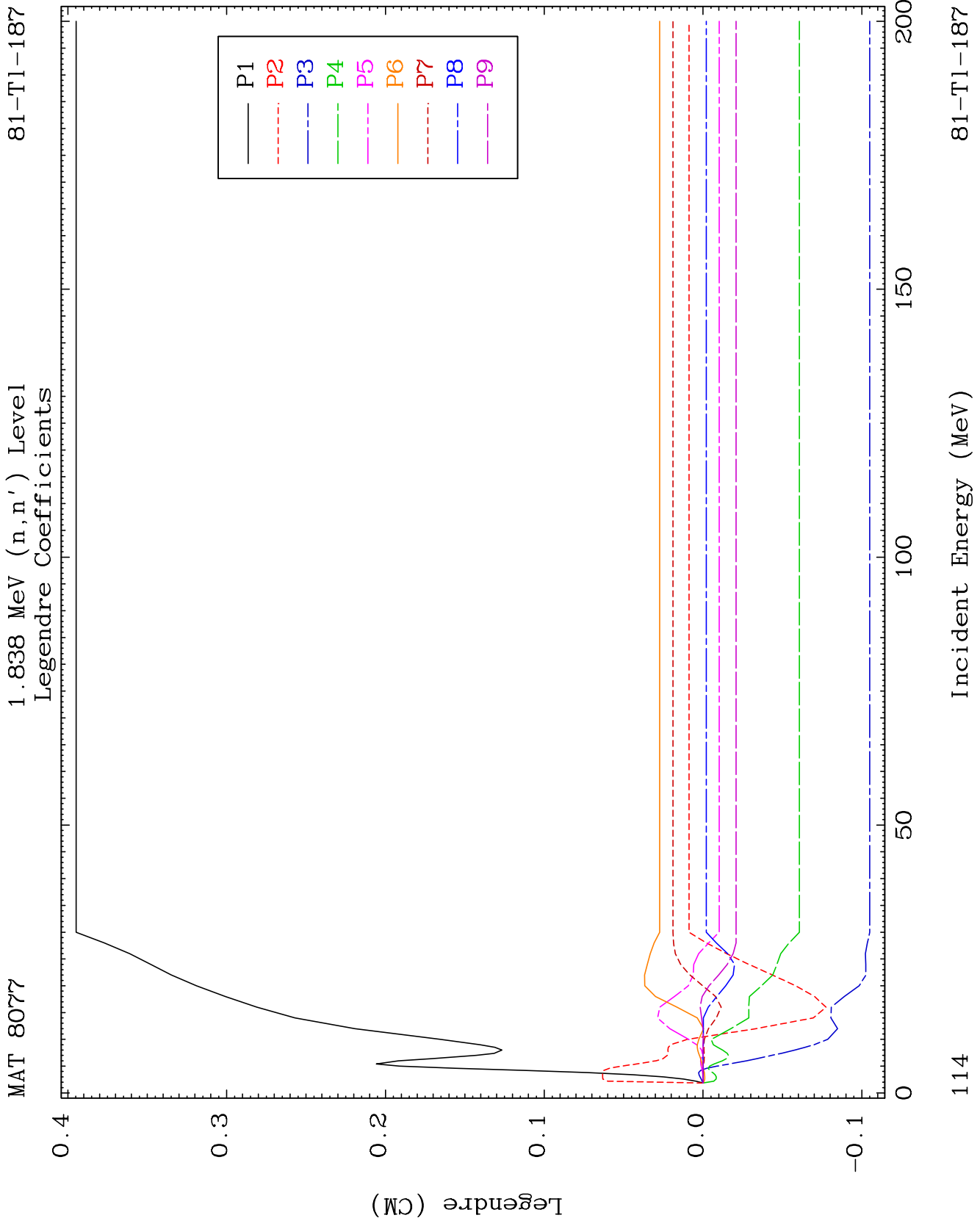
81-Tl-187

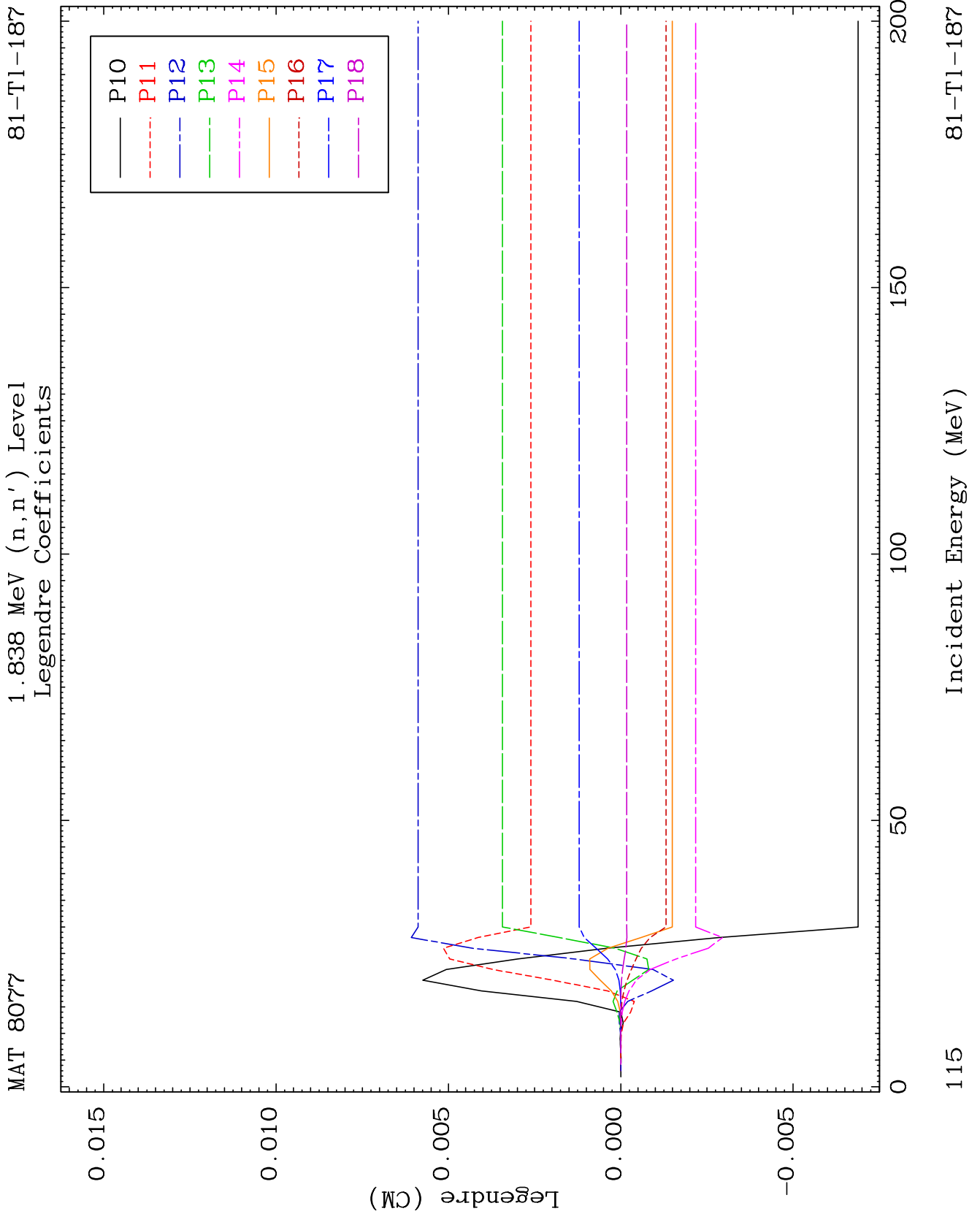


113

Incident Energy (MeV)

81-Tl-187

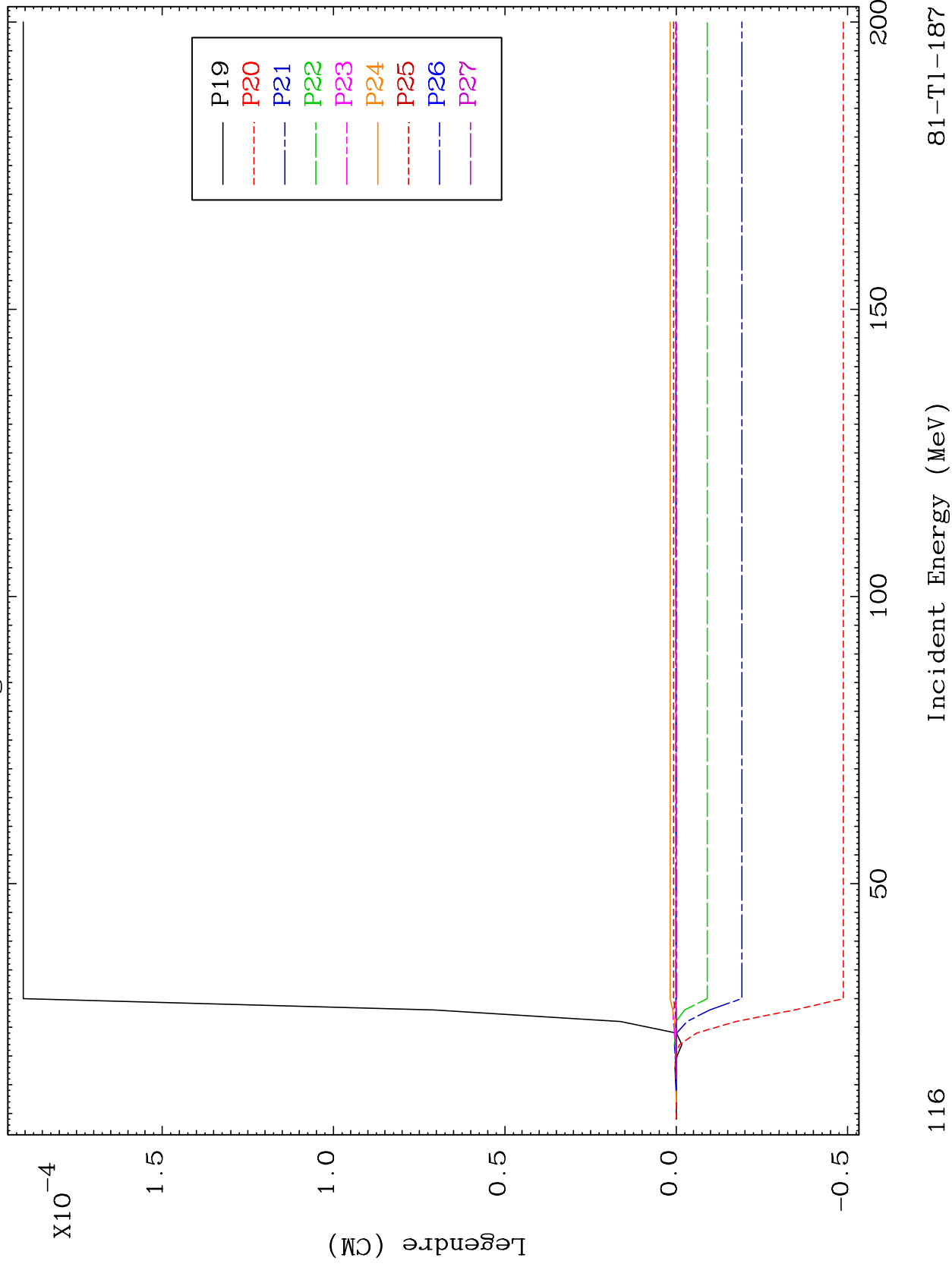




MAT 8077

1.838 MeV (n,n') Level
Legendre Coefficients

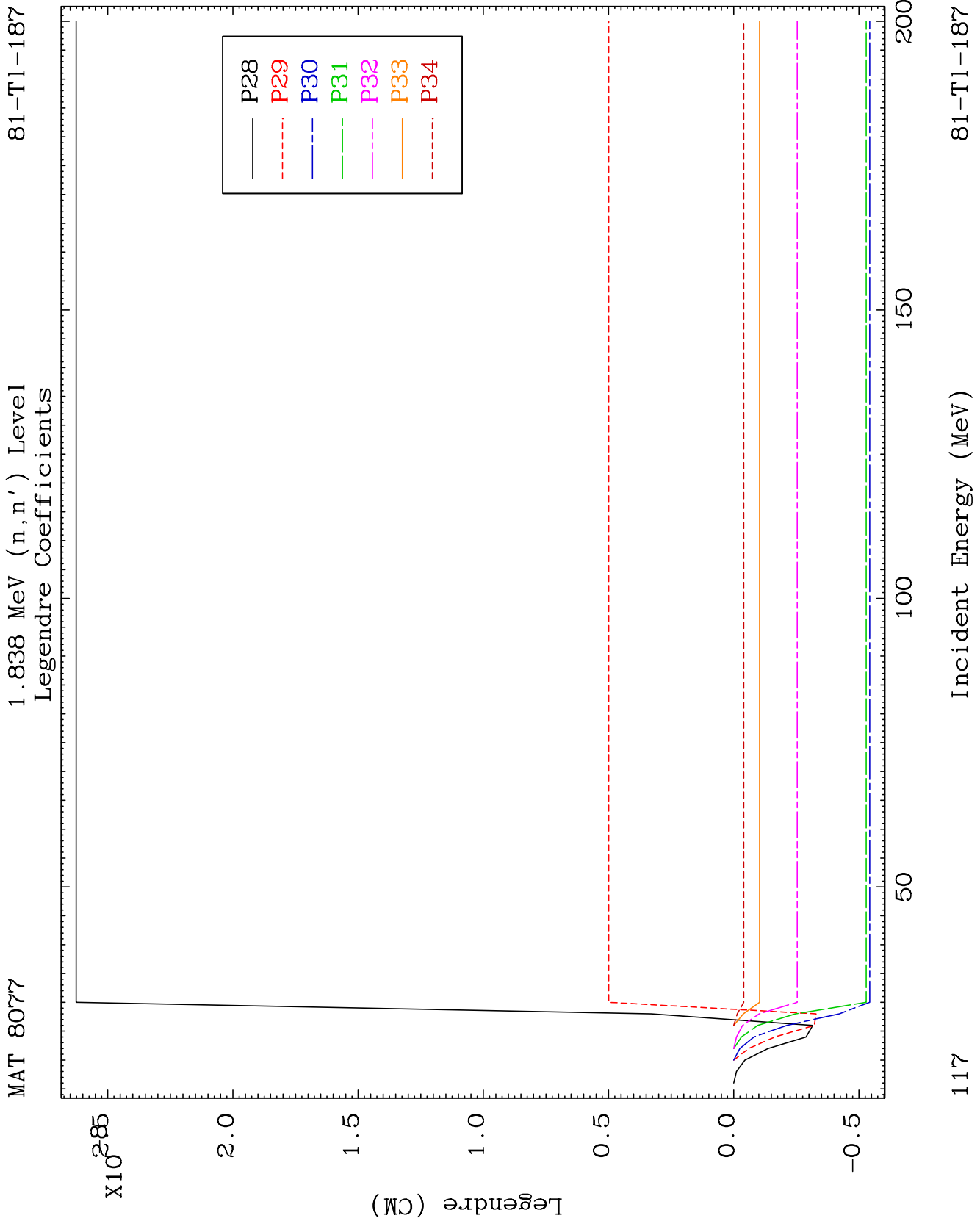
81-Tl-187

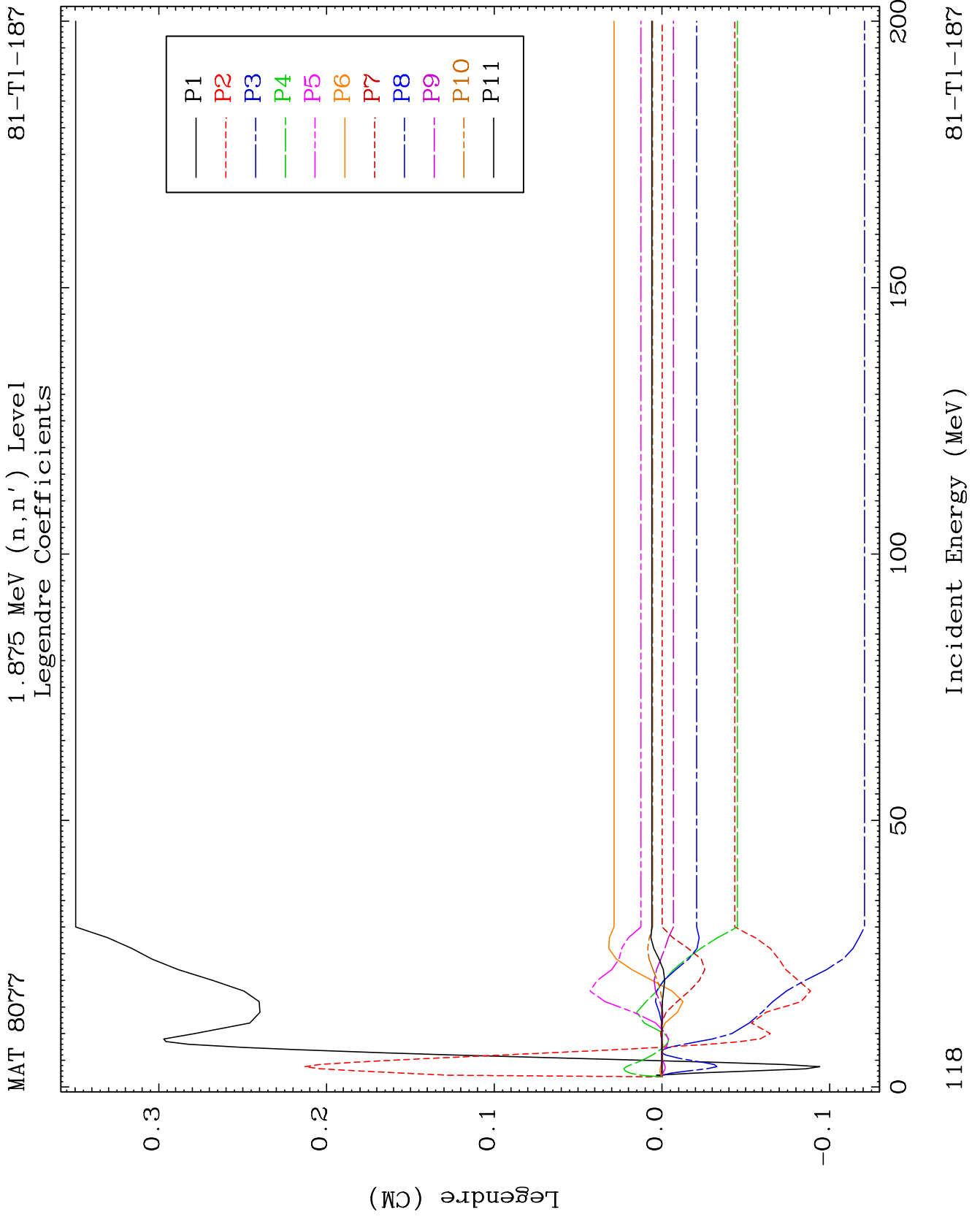


116

Incident Energy (MeV)

81-Tl-187

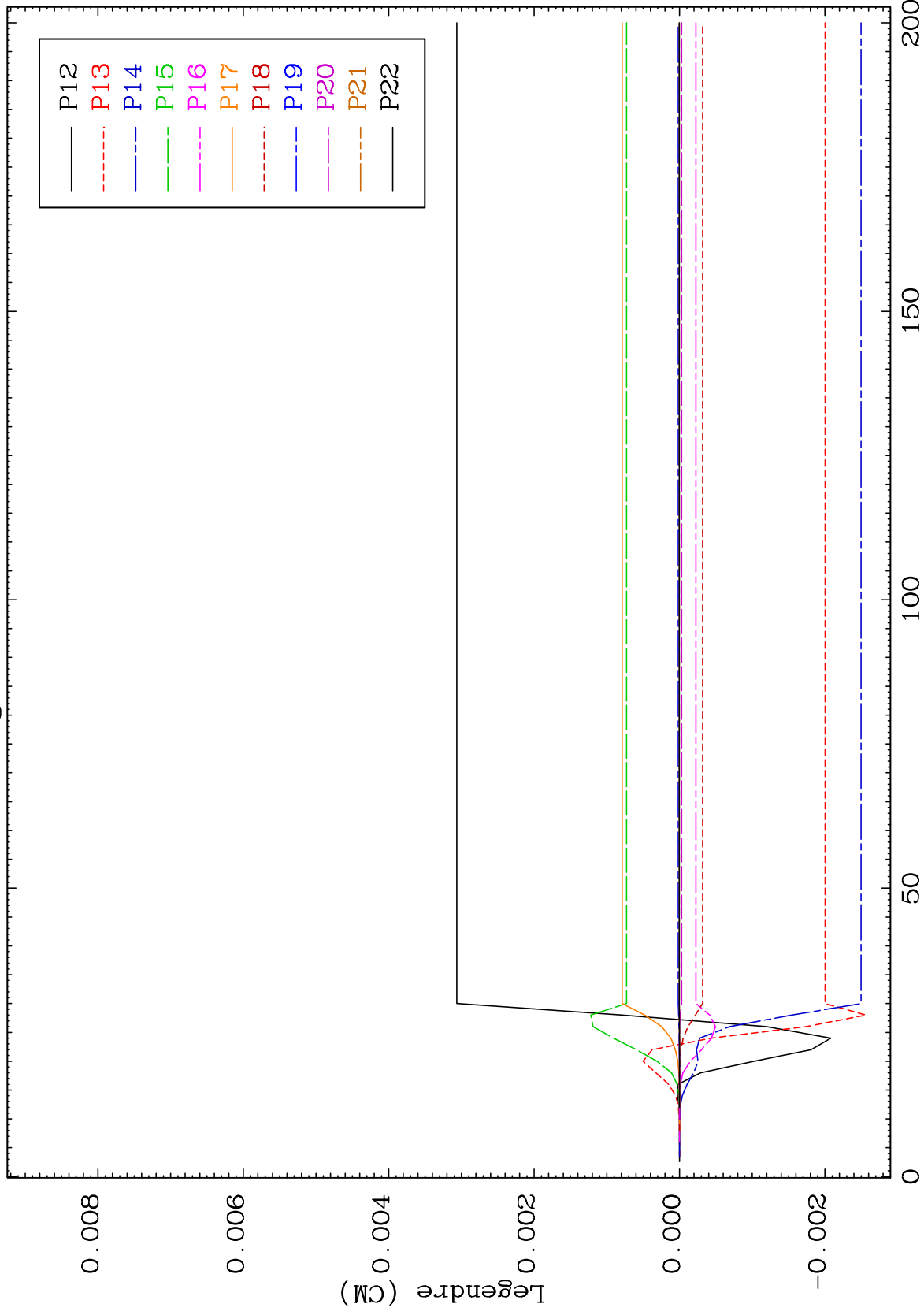




MAT 8077

1.875 MeV (n,n') Level
Legendre Coefficients

81-Tl-187



119

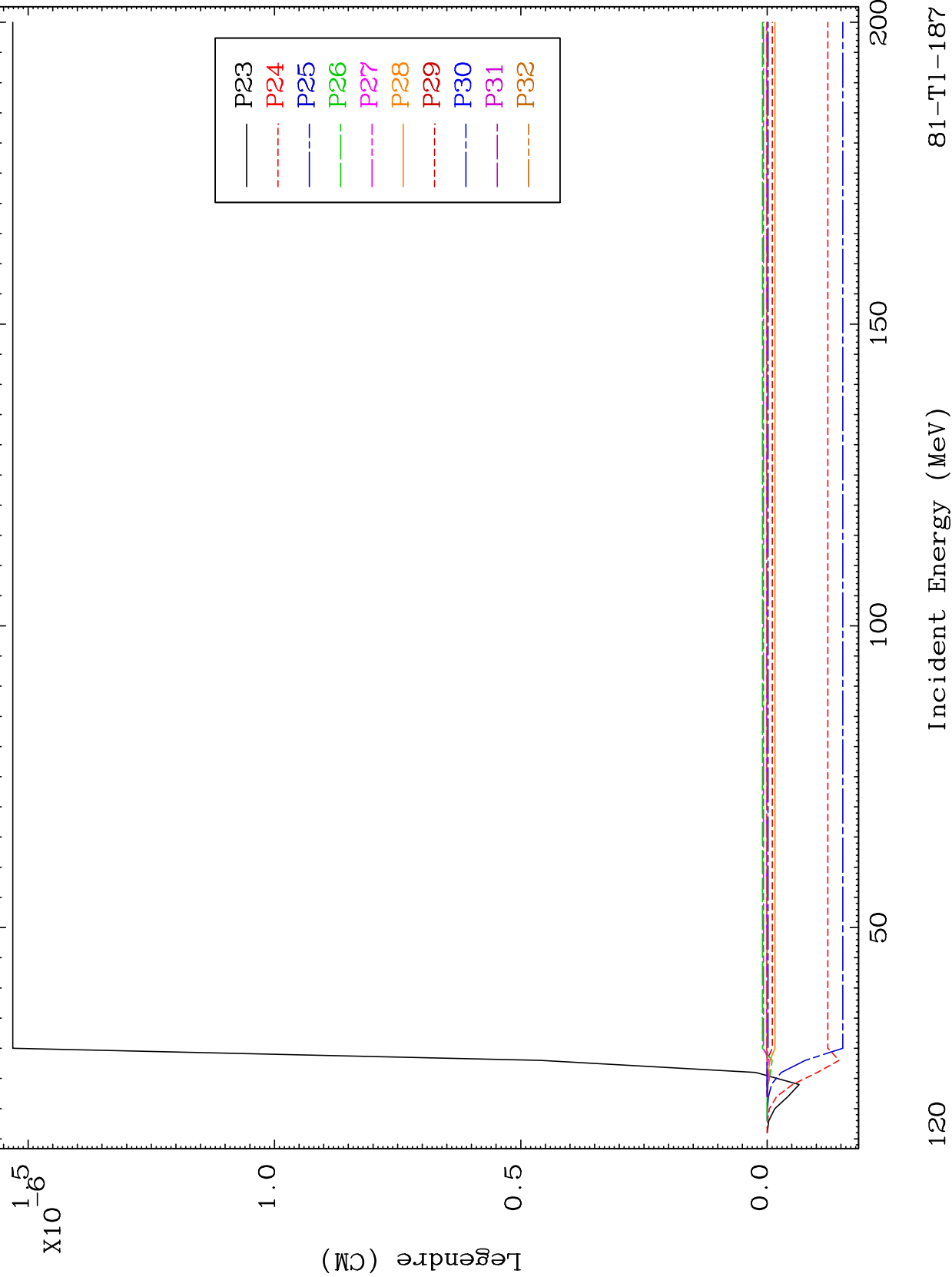
Incident Energy (MeV)

81-Tl-187

MAT 8077

1.875 MeV (n,n') Level
Legendre Coefficients

81-T1-187



81-T1-187

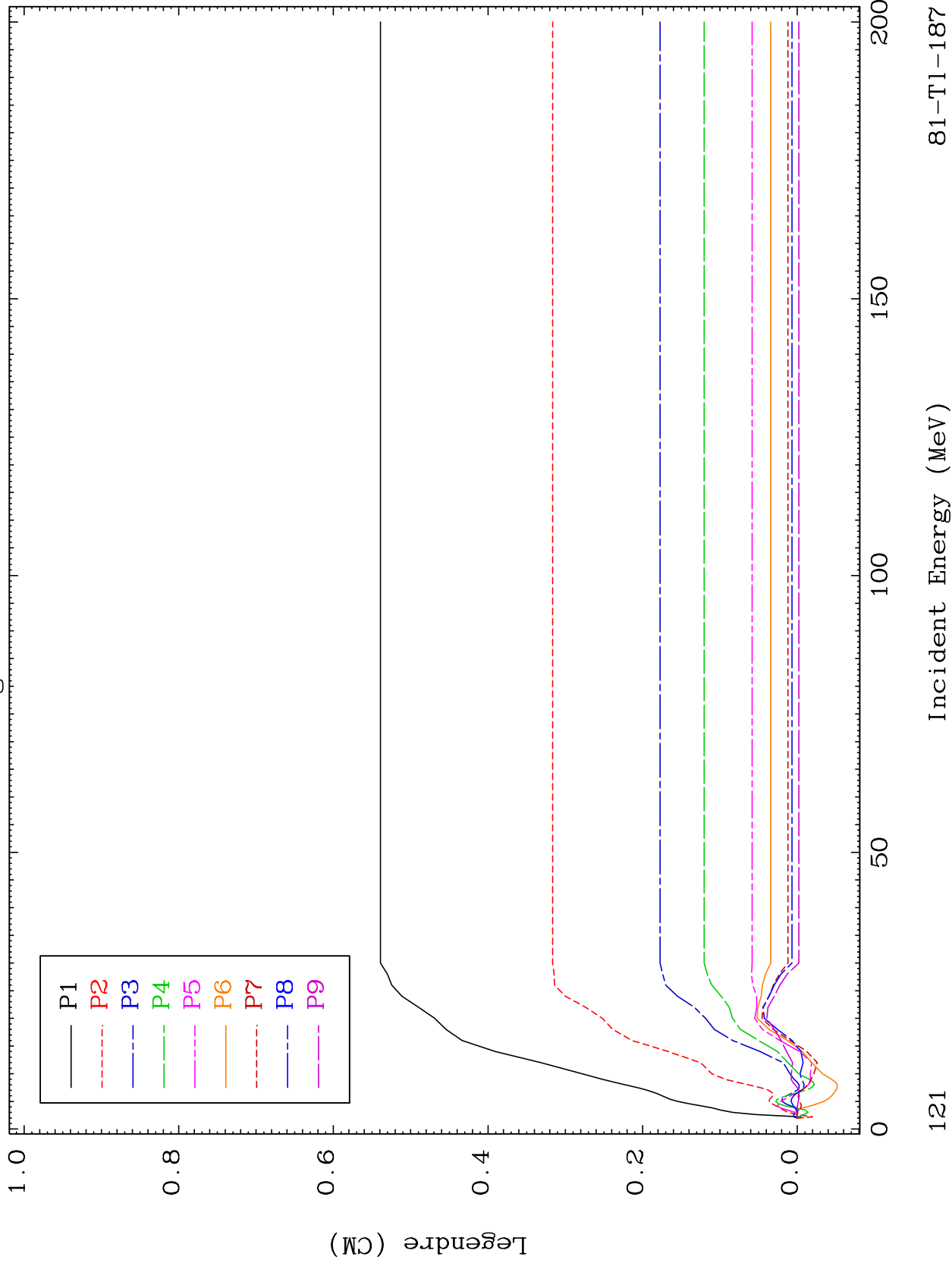
Incident Energy (MeV)

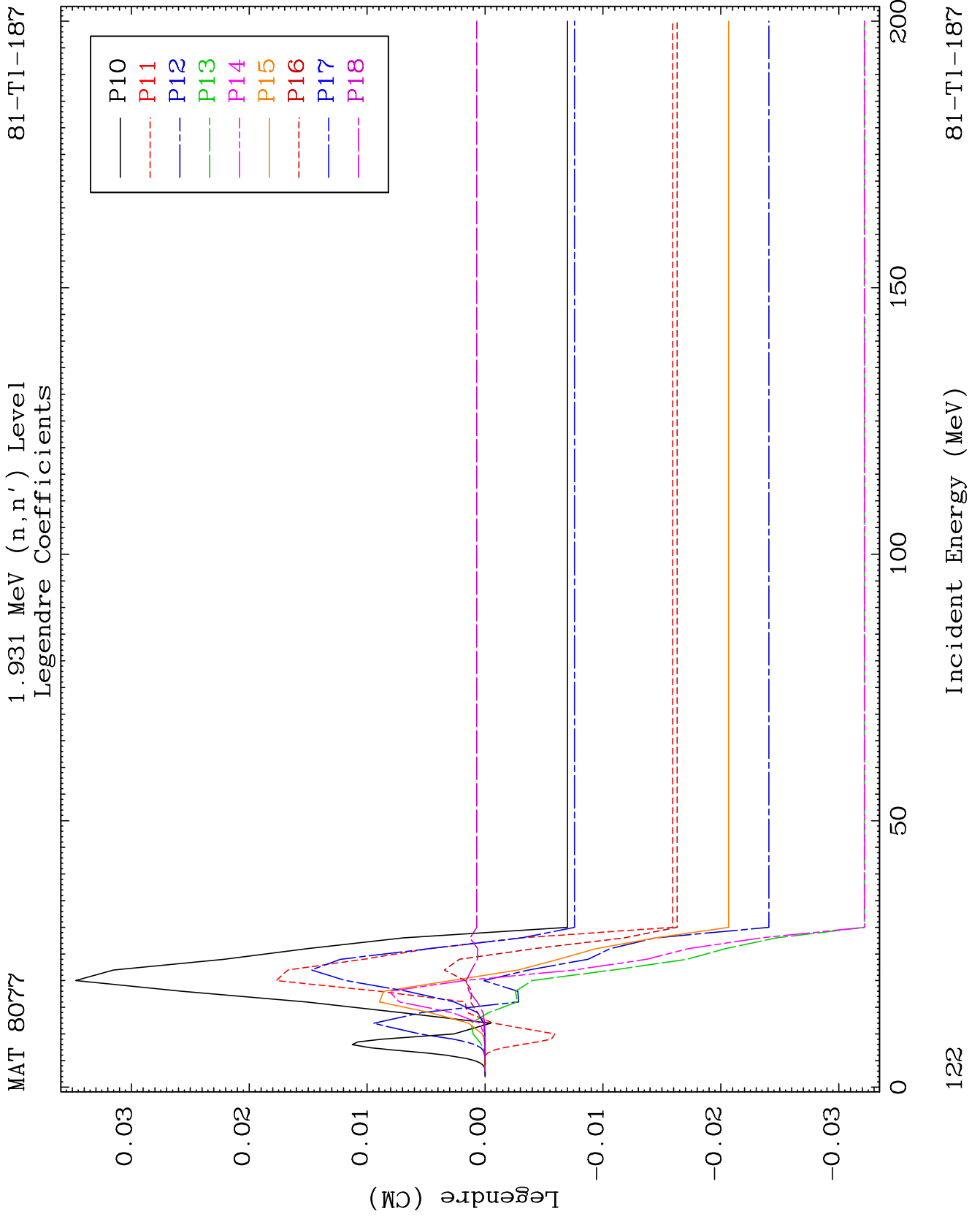
120

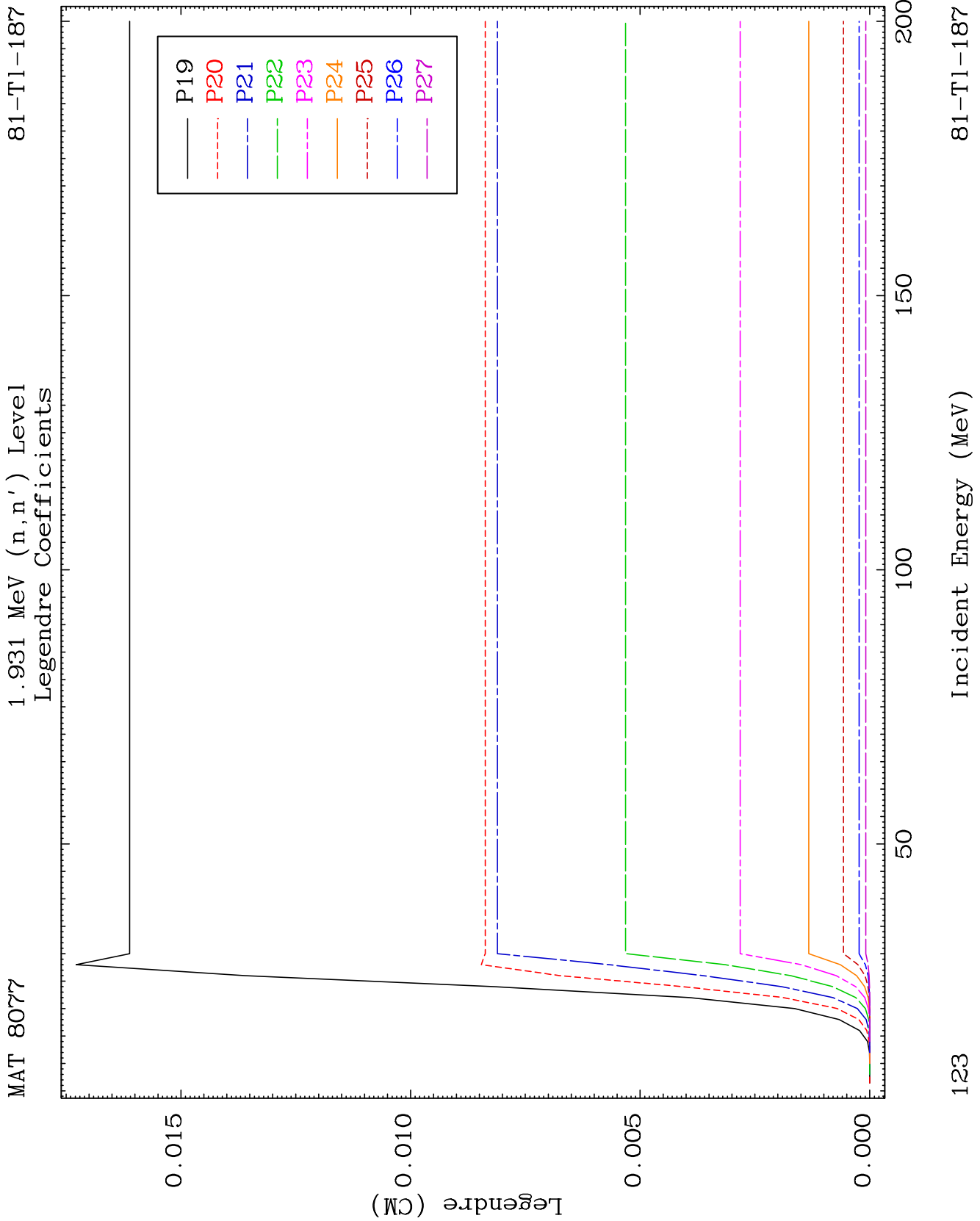
MAT 8077

1.931 MeV (n,n') Level
Legendre Coefficients

81-Tl-187



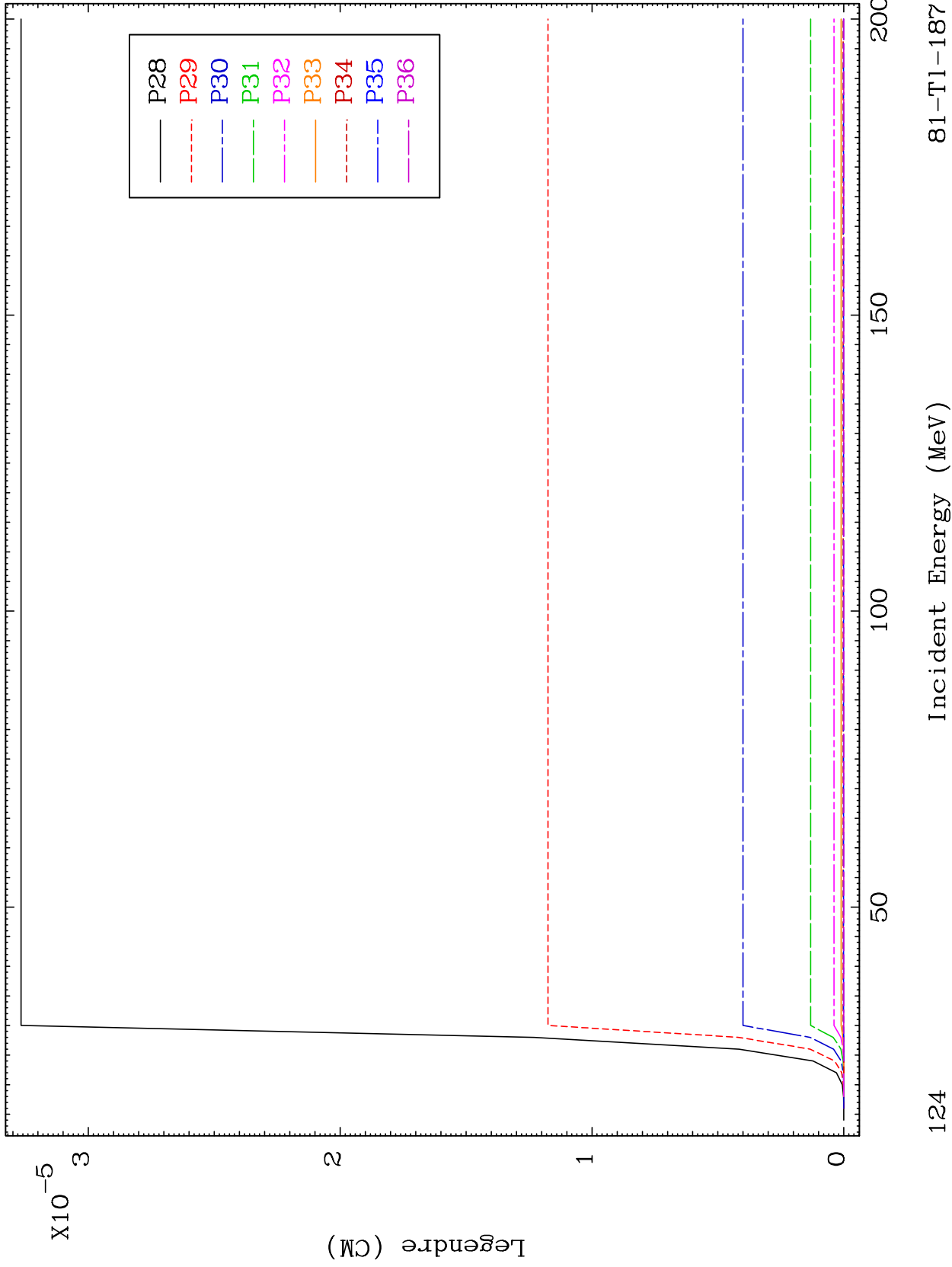


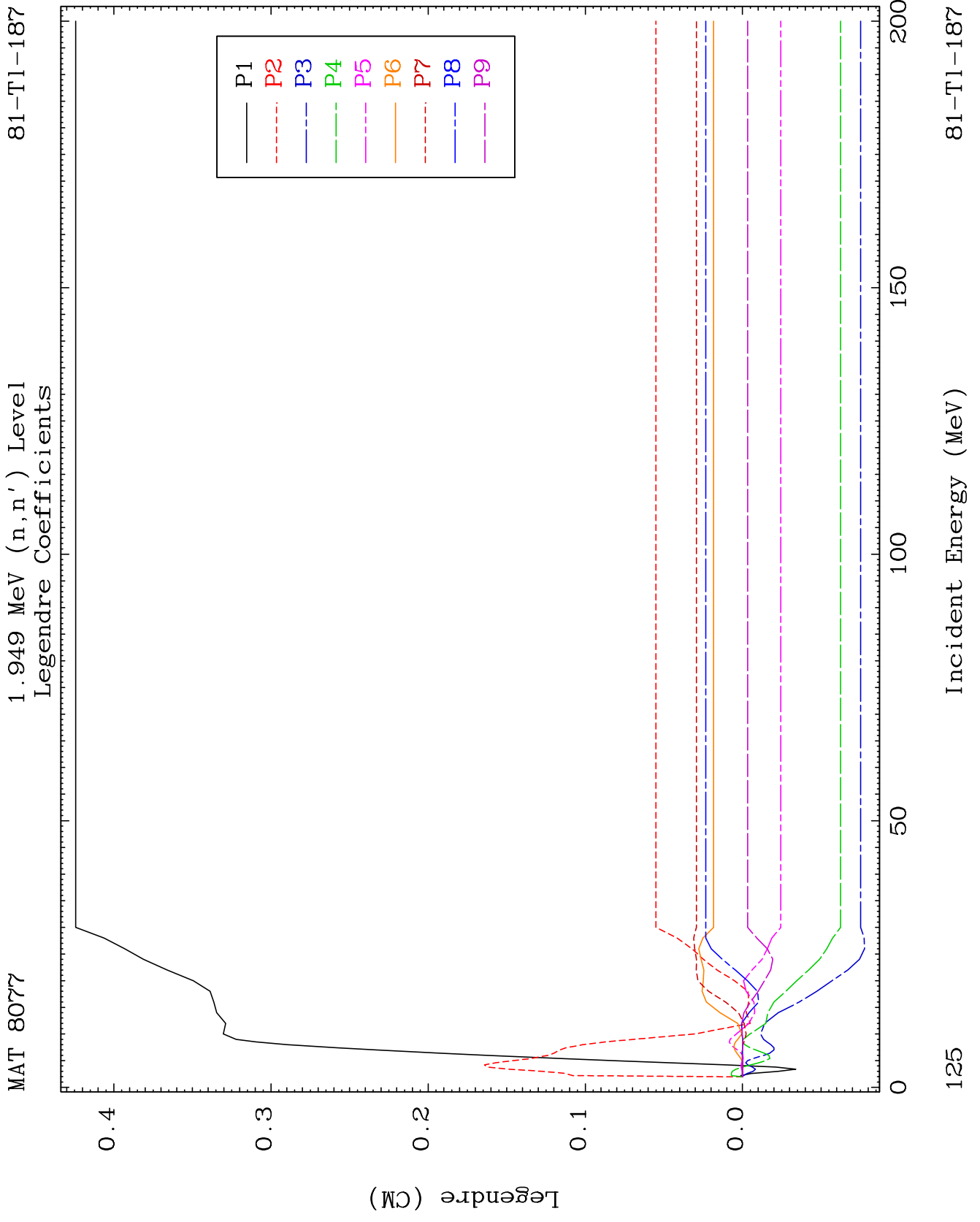


MAT 8077

1.931 MeV (n,n') Level
Legendre Coefficients

81-Tl-187

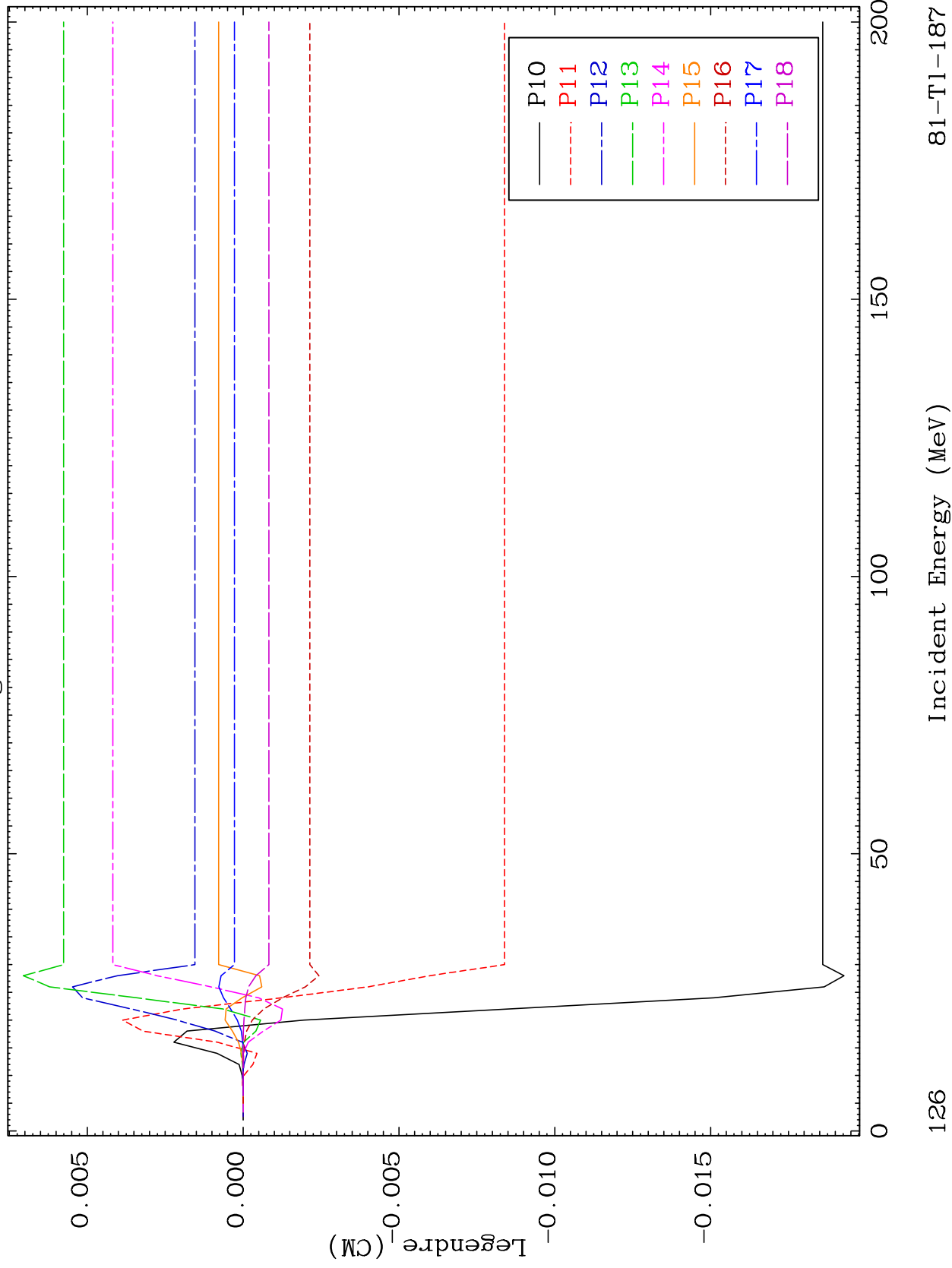




MAT 8077

1.949 MeV (n,n') Level
Legendre Coefficients

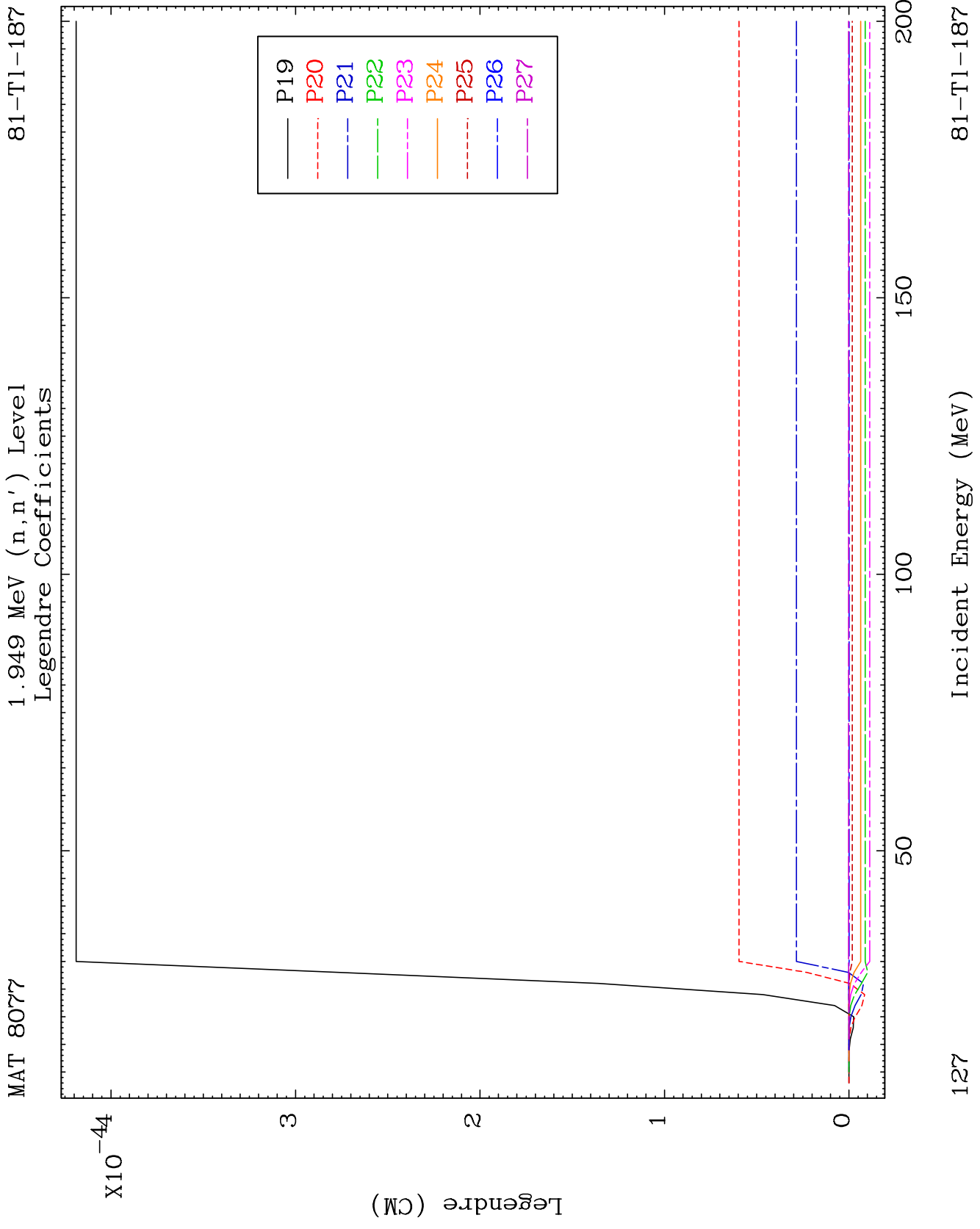
81-Tl-187



126

Incident Energy (MeV)

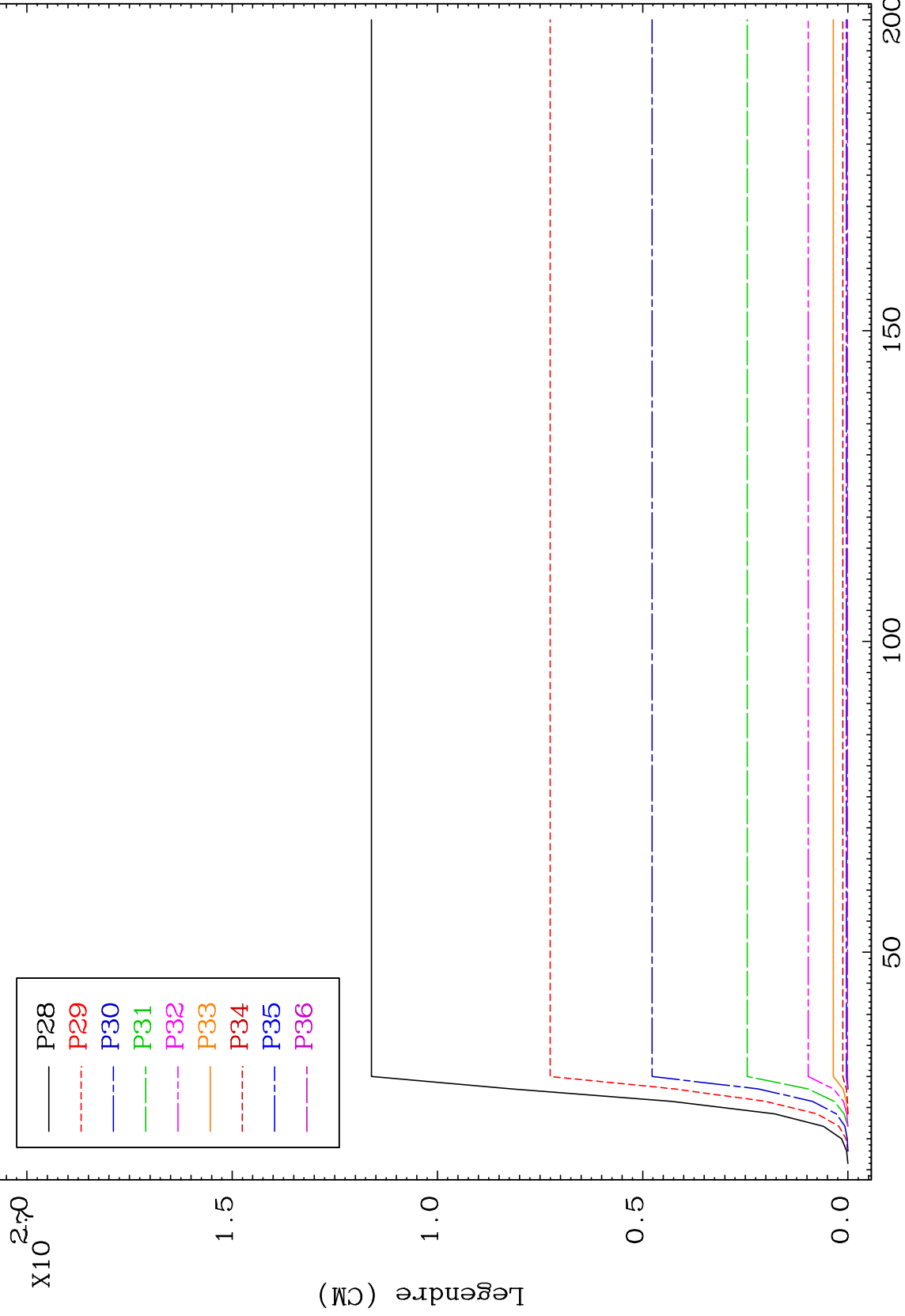
81-Tl-187



MAT 8077

1.949 MeV (n,n') Level
Legendre Coefficients

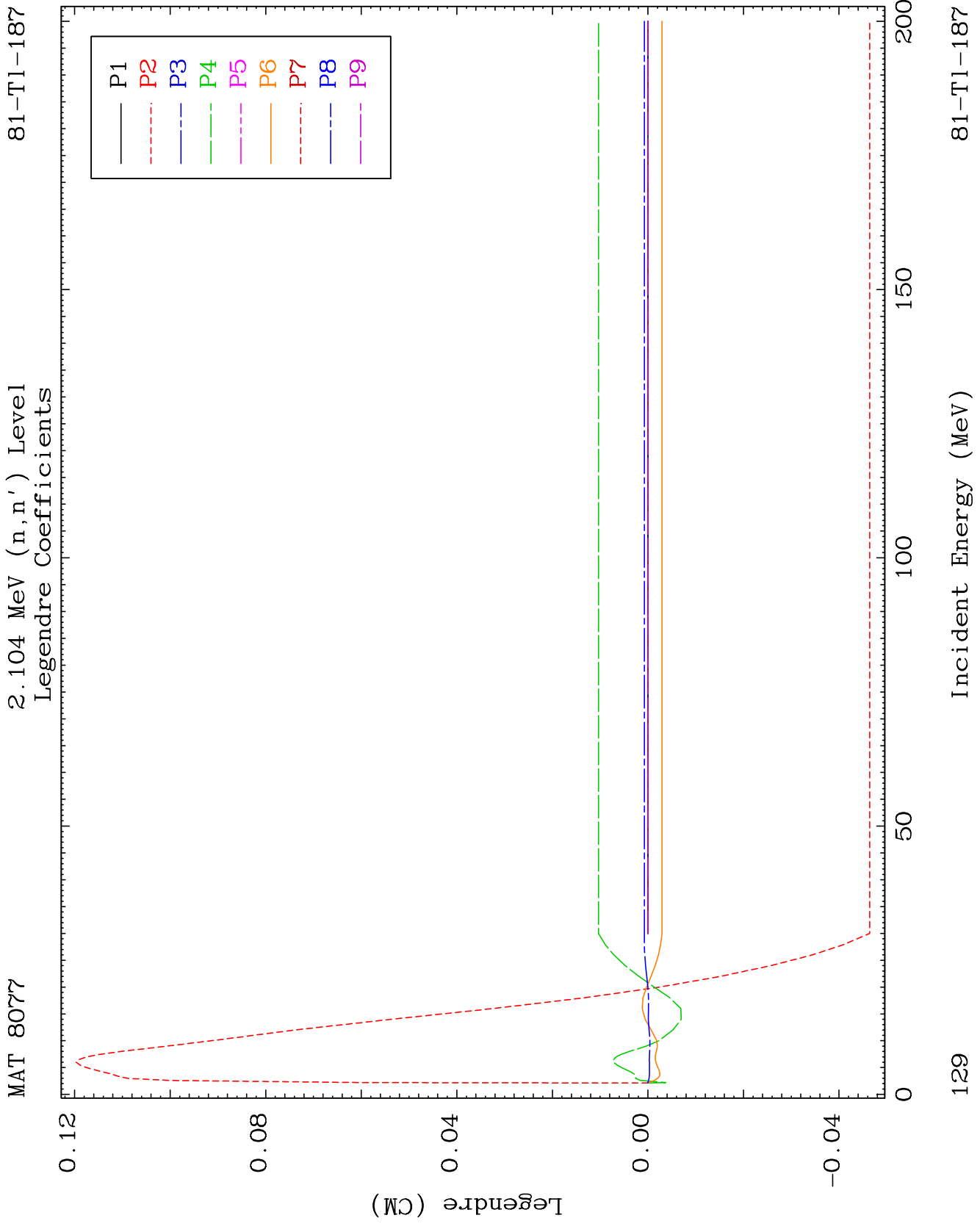
81-Tl-187

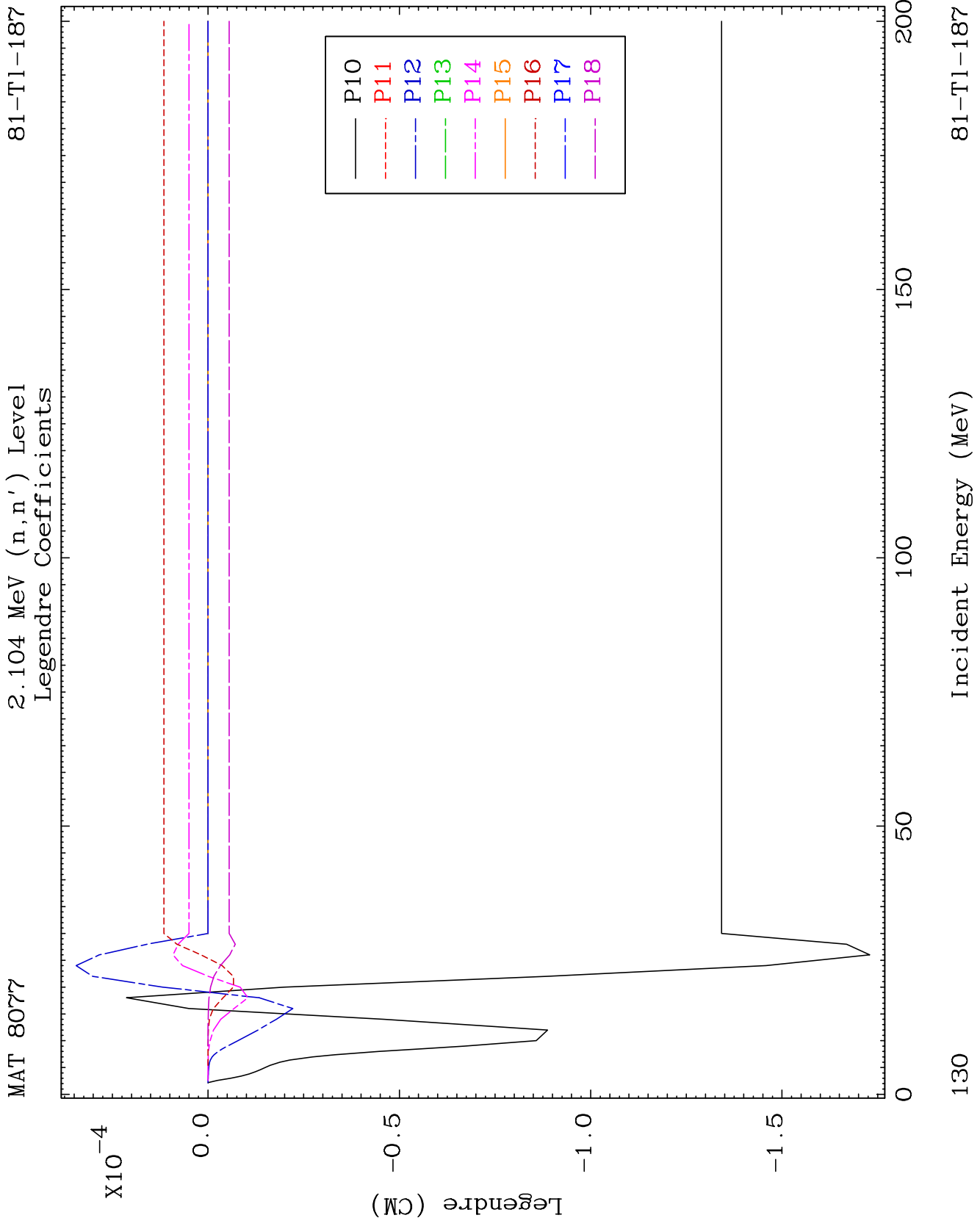


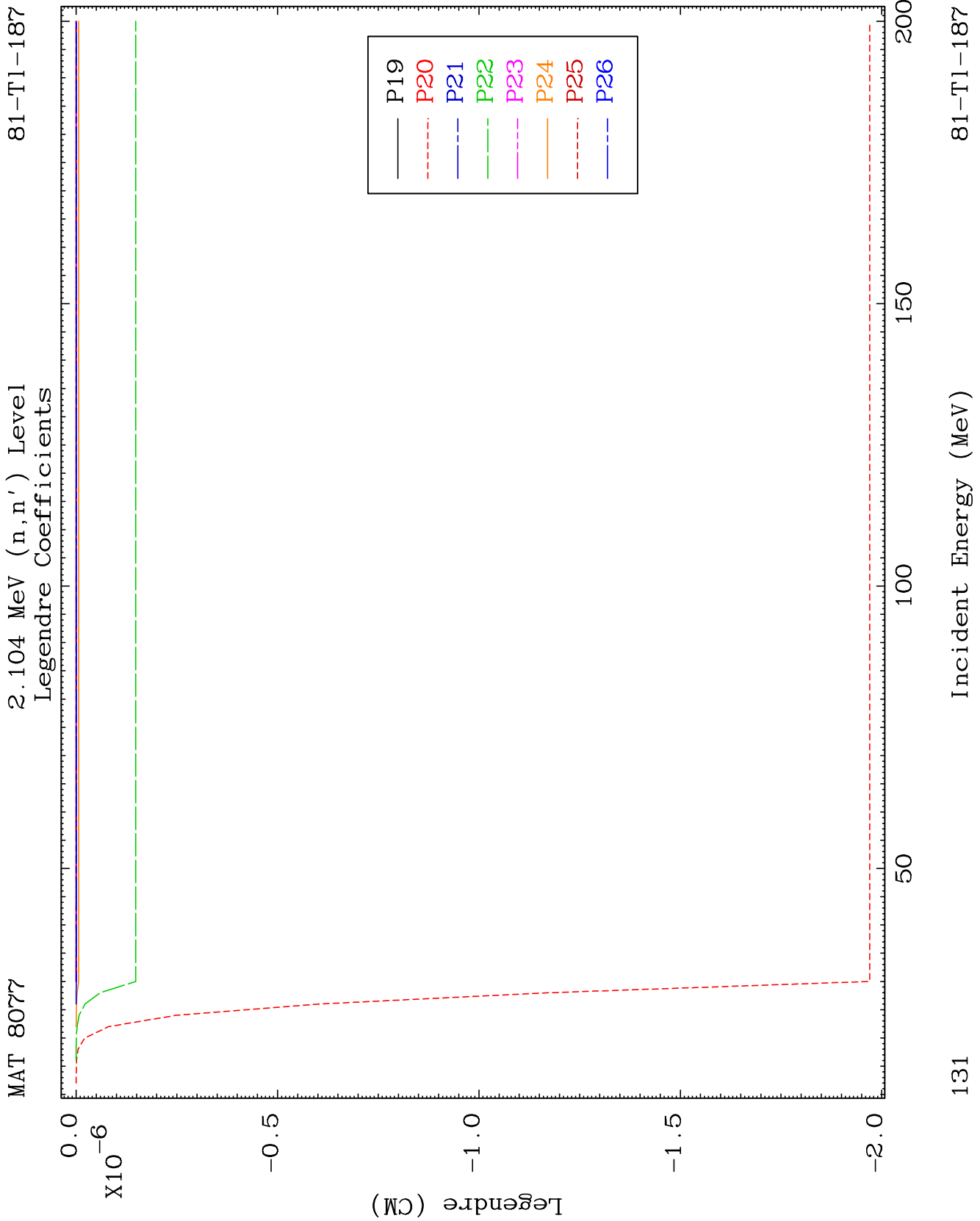
128

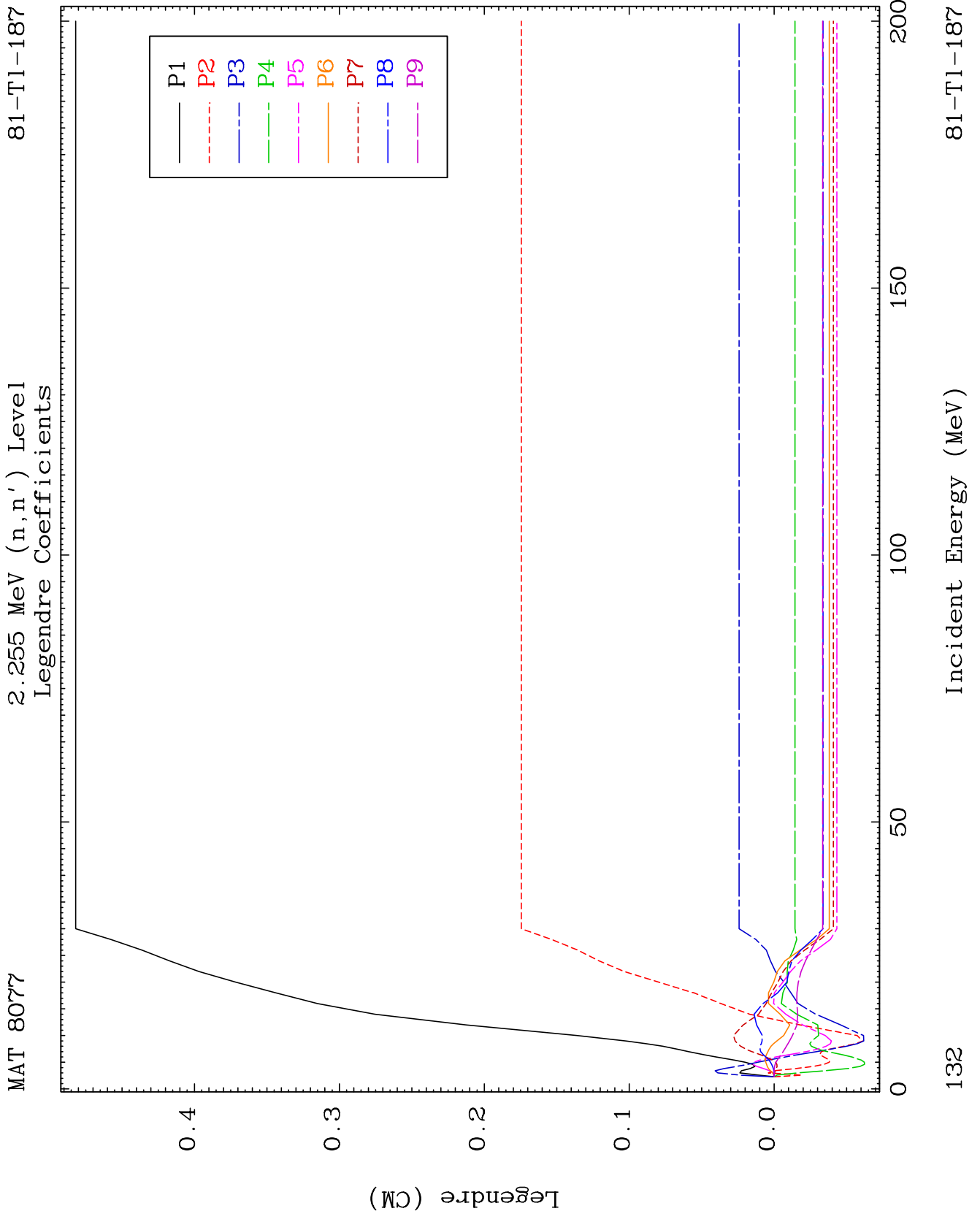
Incident Energy (MeV)

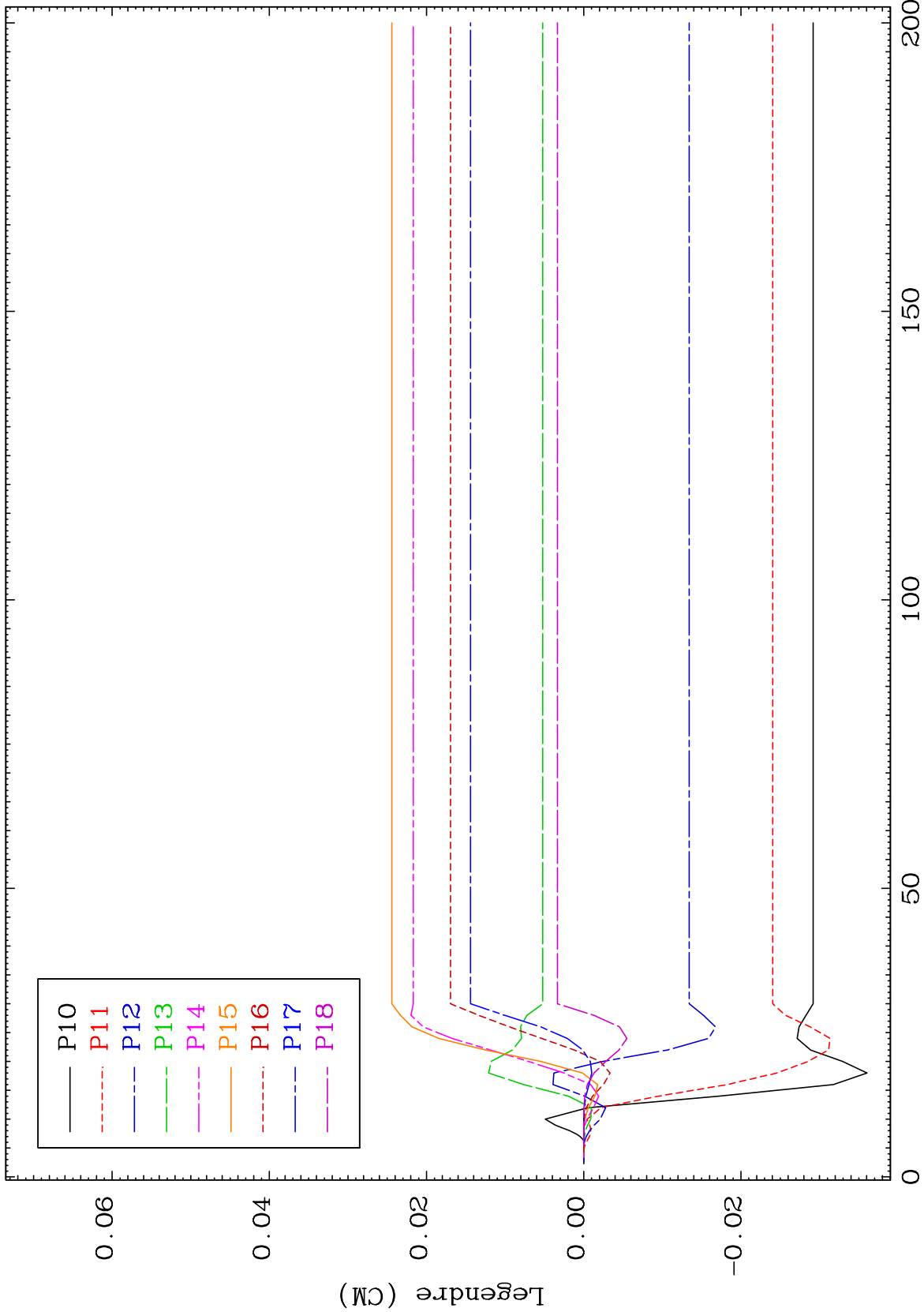
81-Tl-187

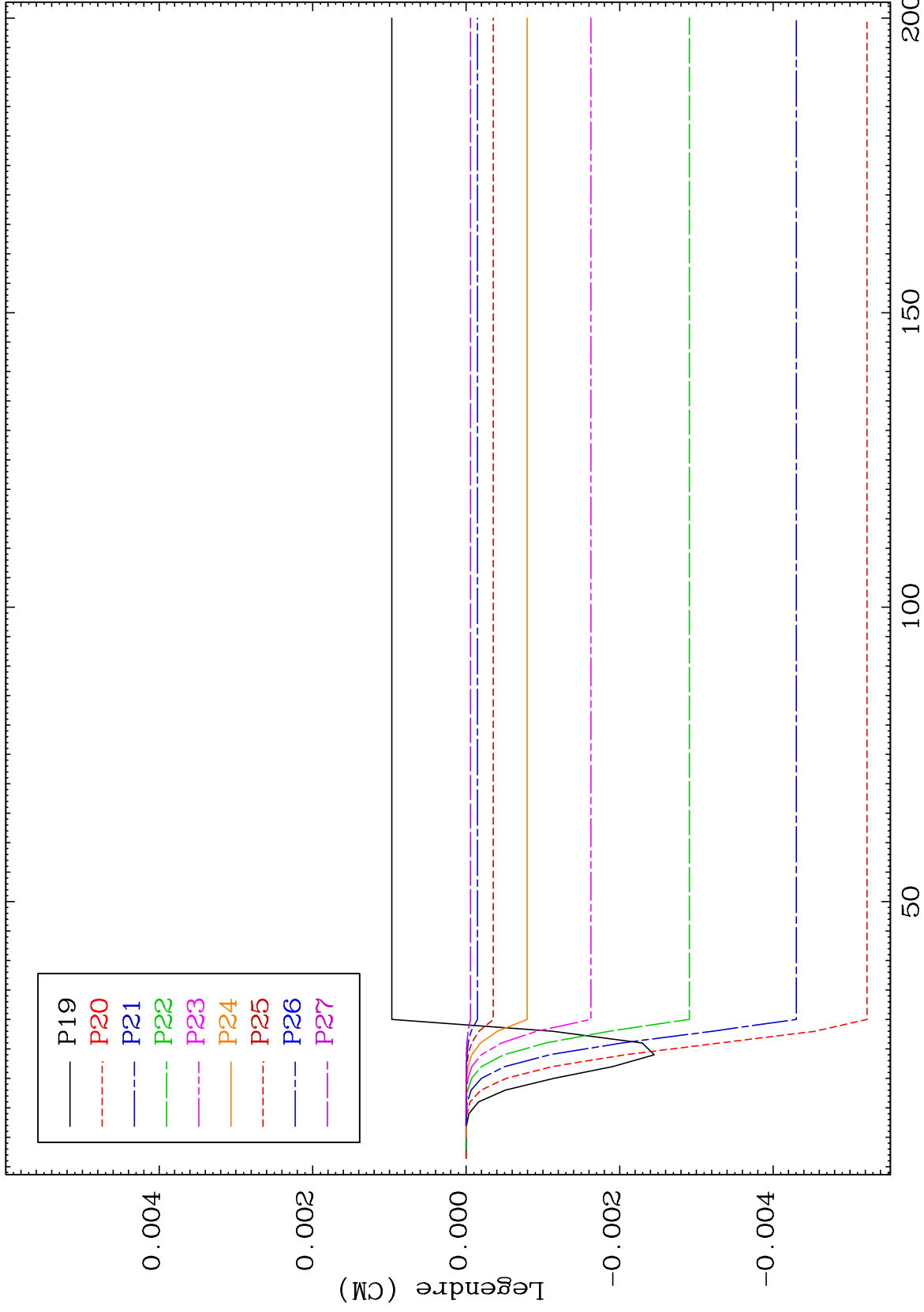








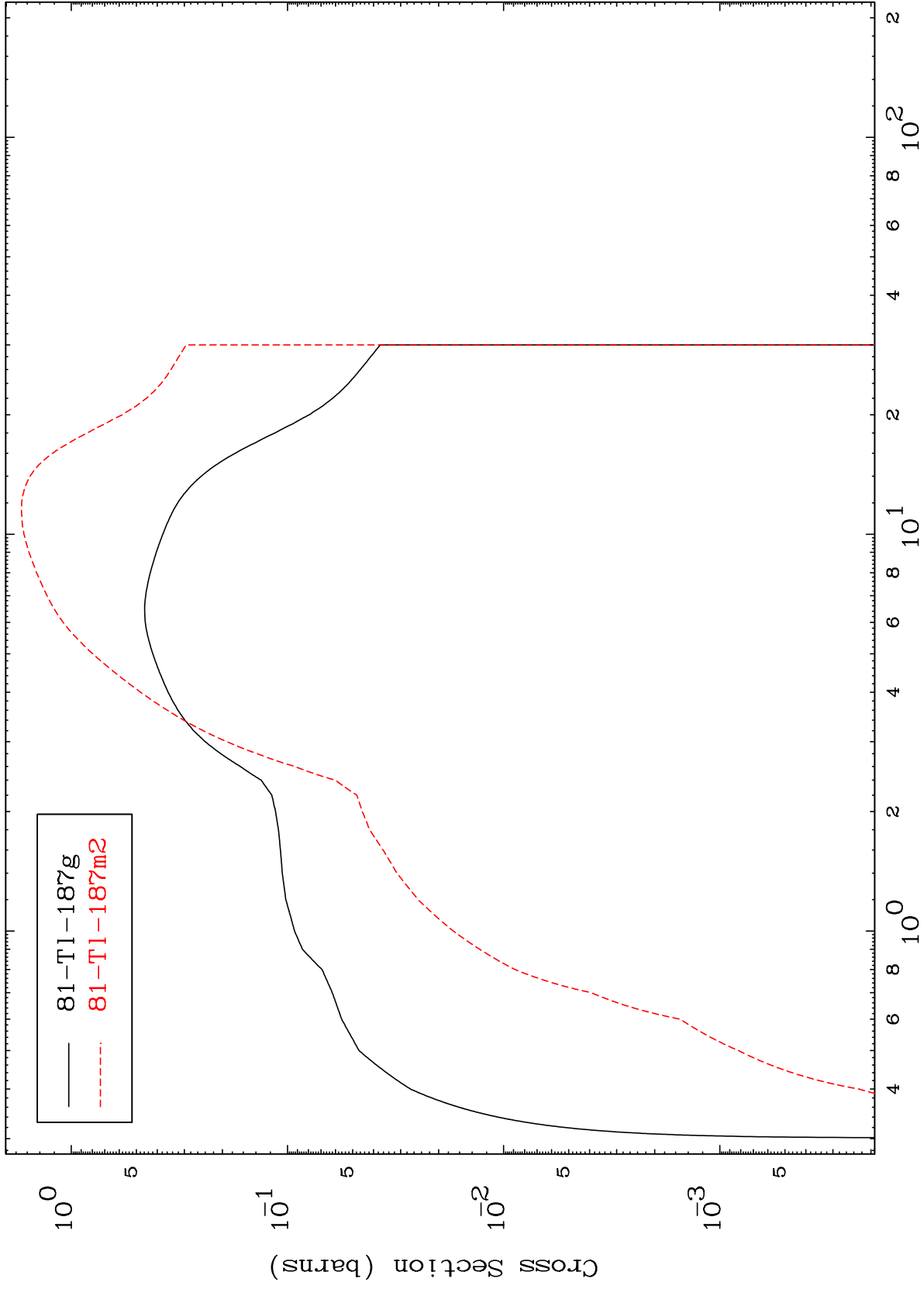




MAT 8077

81-Tl-187

Inelastic
Radionuclide Production Cross Section

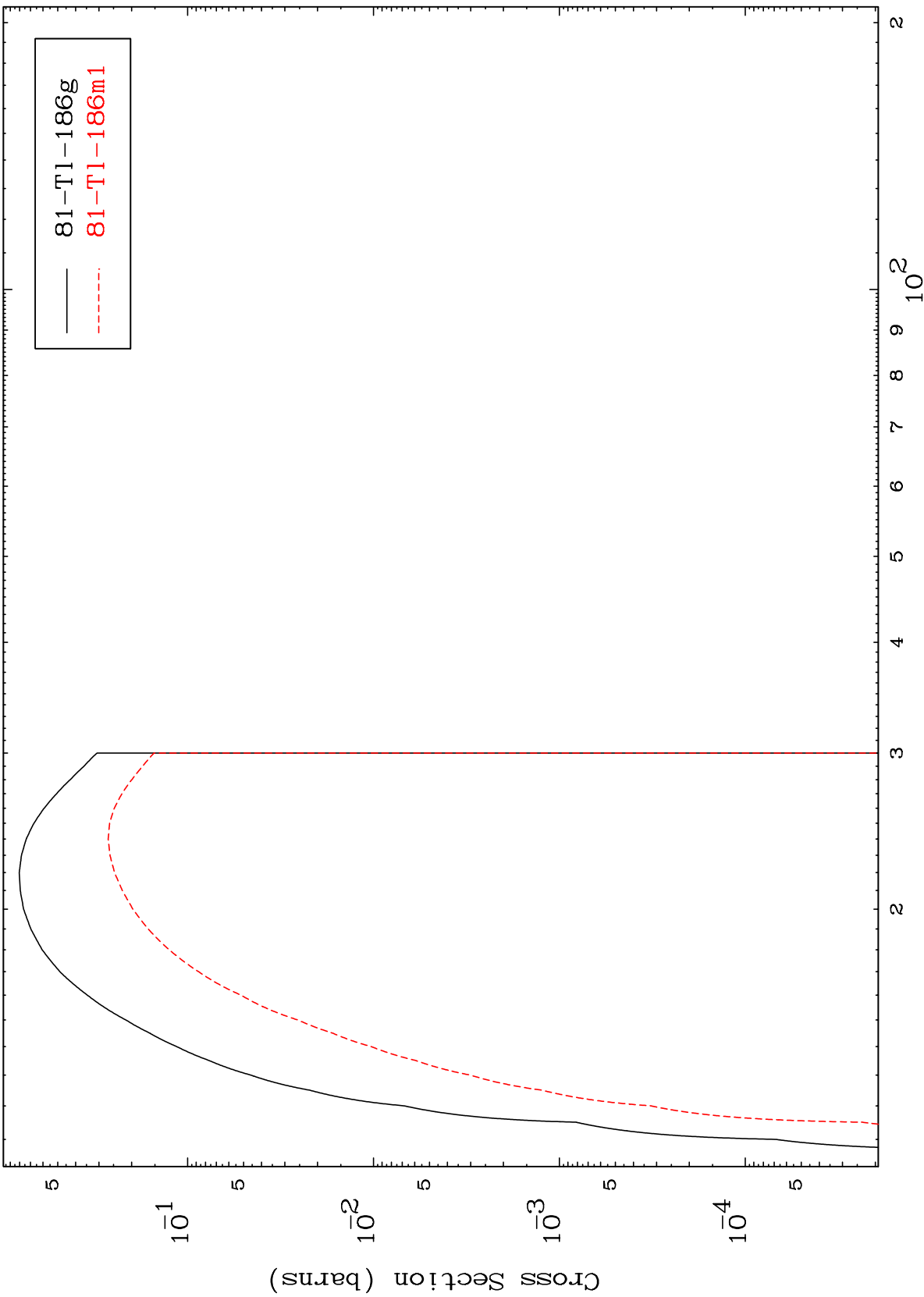


81-Tl-187

Incident Energy (MeV)

136

(n,2n)
Radionuclide Production Cross Section



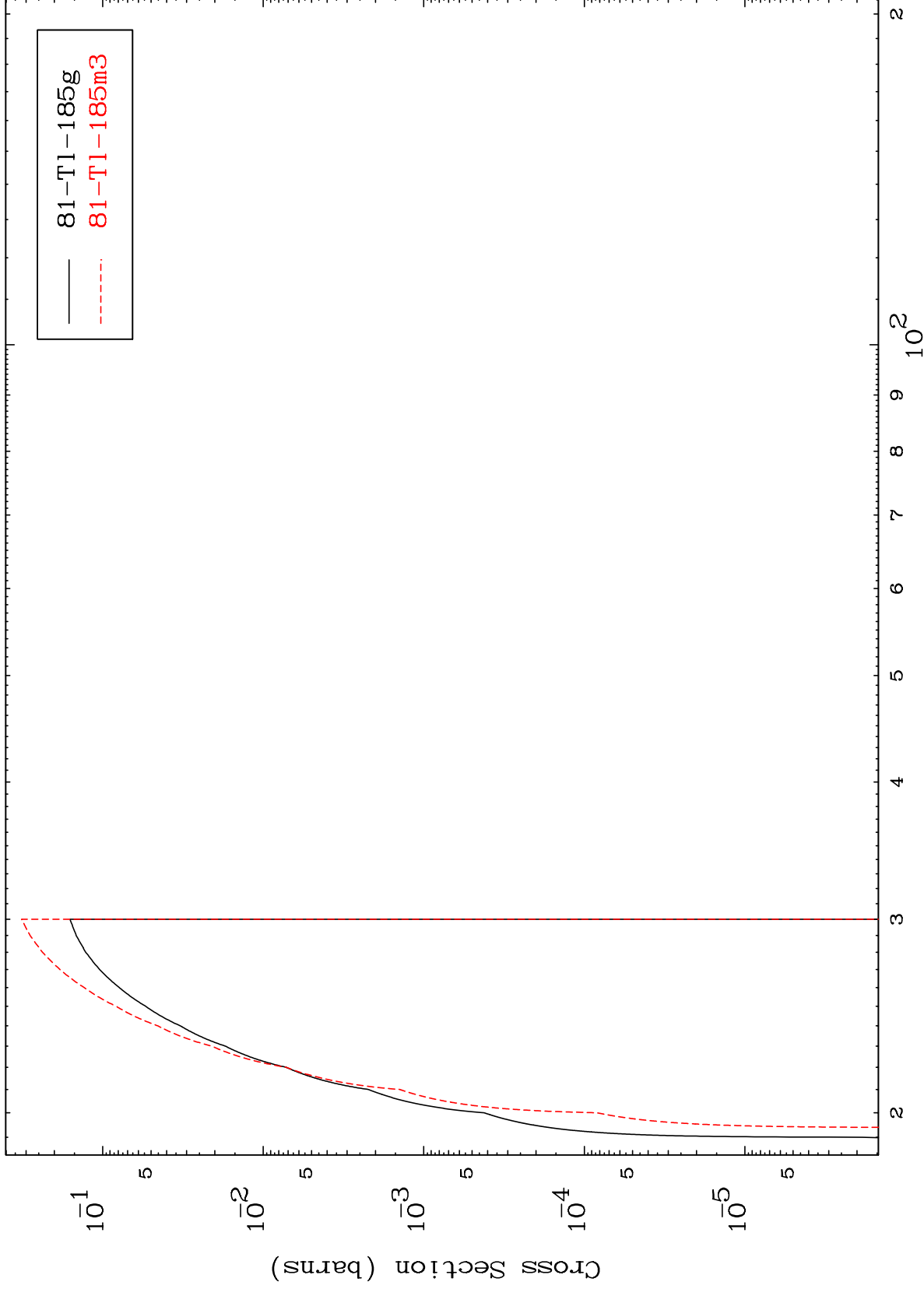
81-Tl-186g
81-Tl-186m1

MAT 8077

(n,3n)

81-Tl-187

Radionuclide Production Cross Section



138

Incident Energy (MeV)

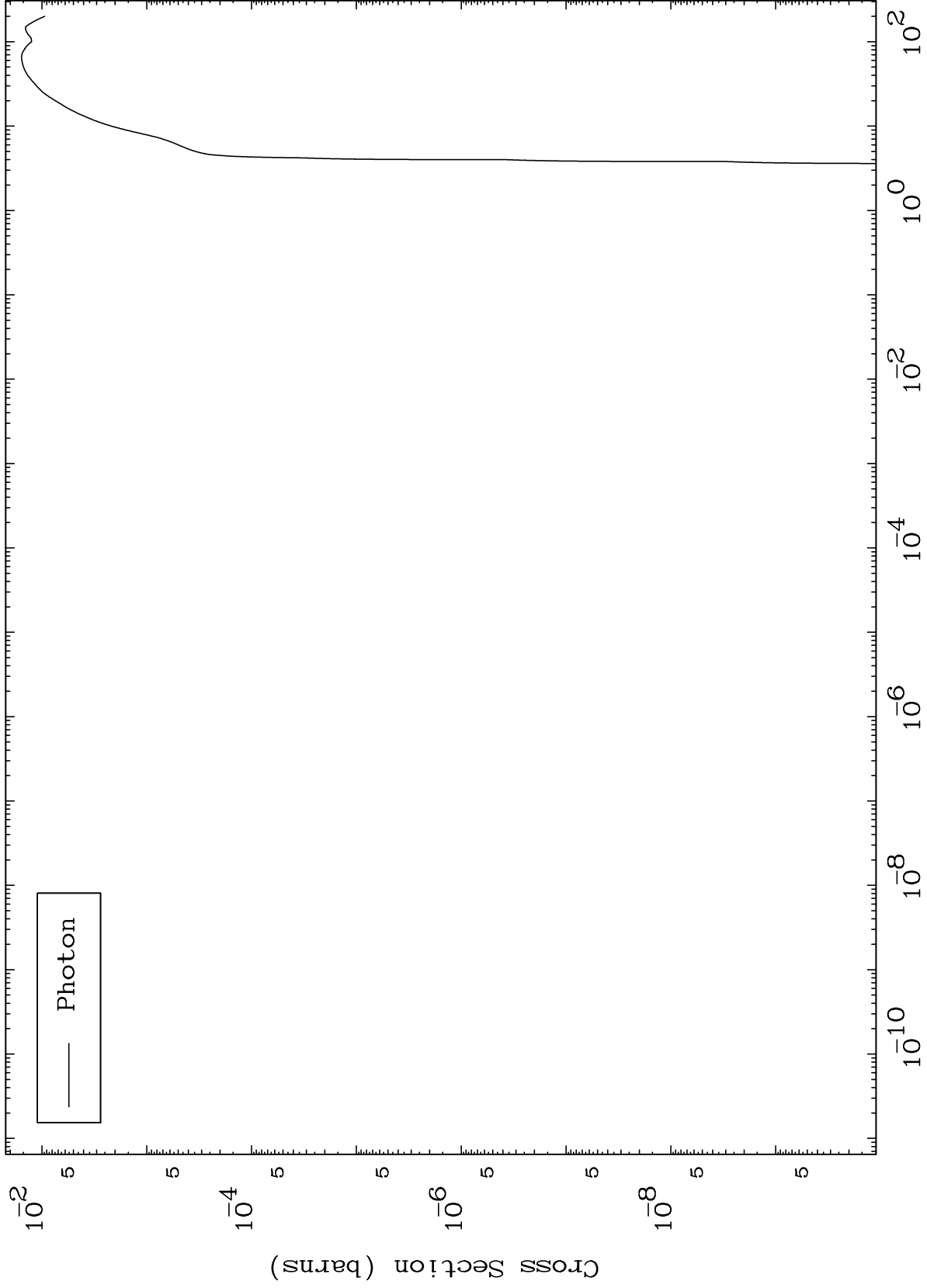
81-Tl-187

MAT 8077

Fission

81-Tl-187

Radionuclide Production Cross Section



139

Incident Energy (MeV)

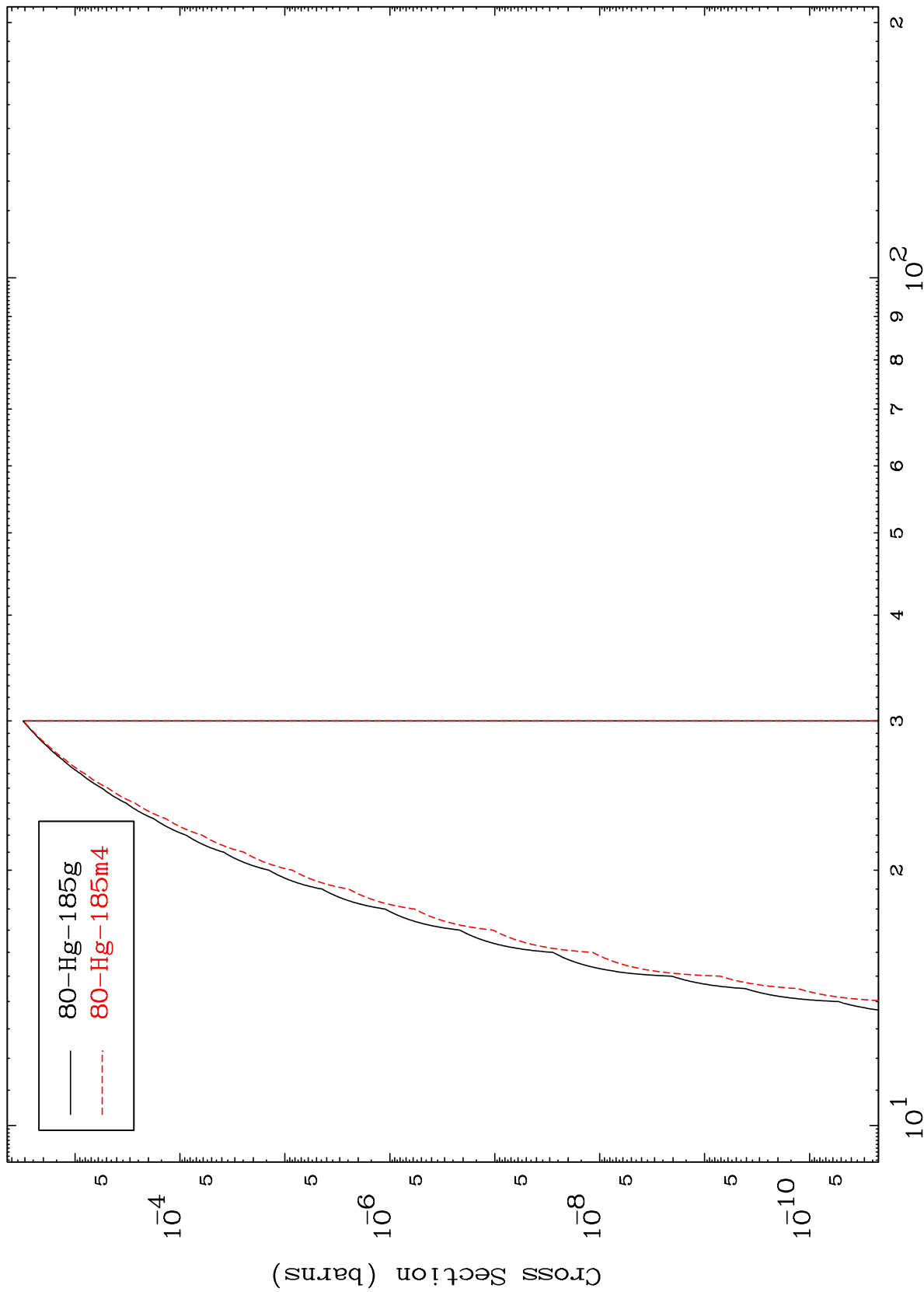
81-Tl-187

MAT 8077

(n,n') d

81-Tl-187

Radionuclide Production Cross Section



Incident Energy (MeV)

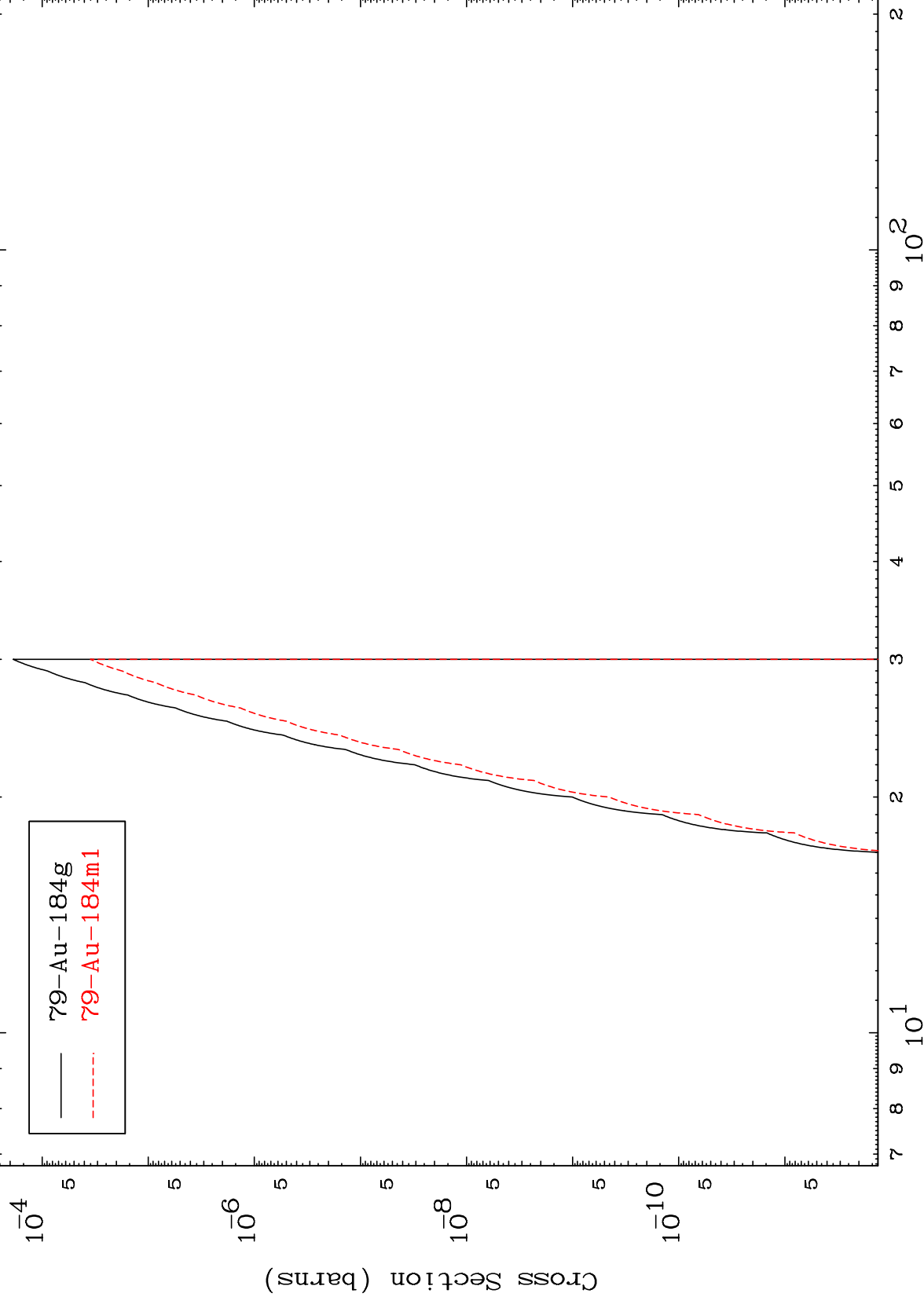
81-Tl-187

MAT 8077

(n,n') He-3

81-Tl-187

Radionuclide Production Cross Section

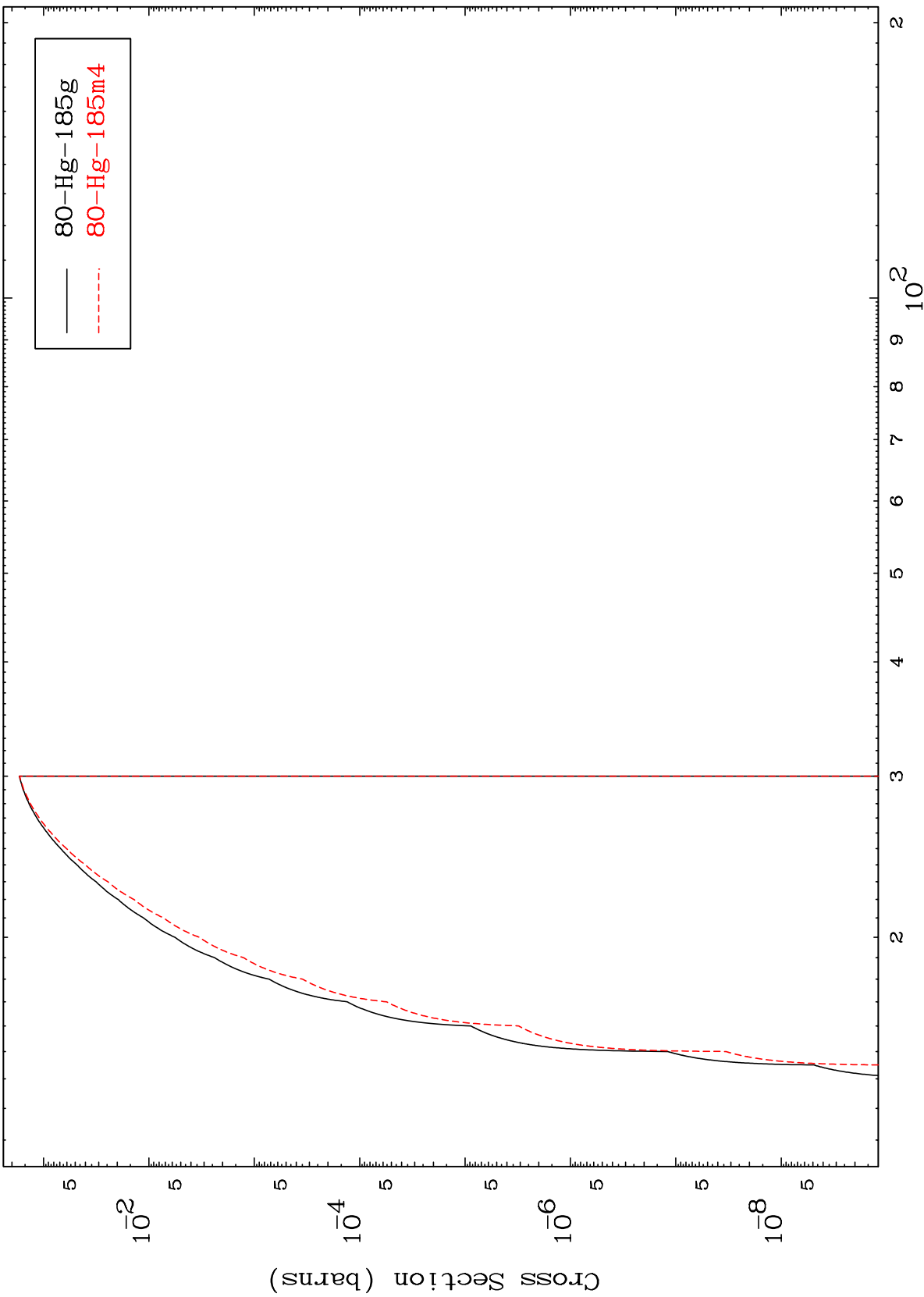


141

Incident Energy (MeV)

81-Tl-187

Radionuclide Production Cross Section

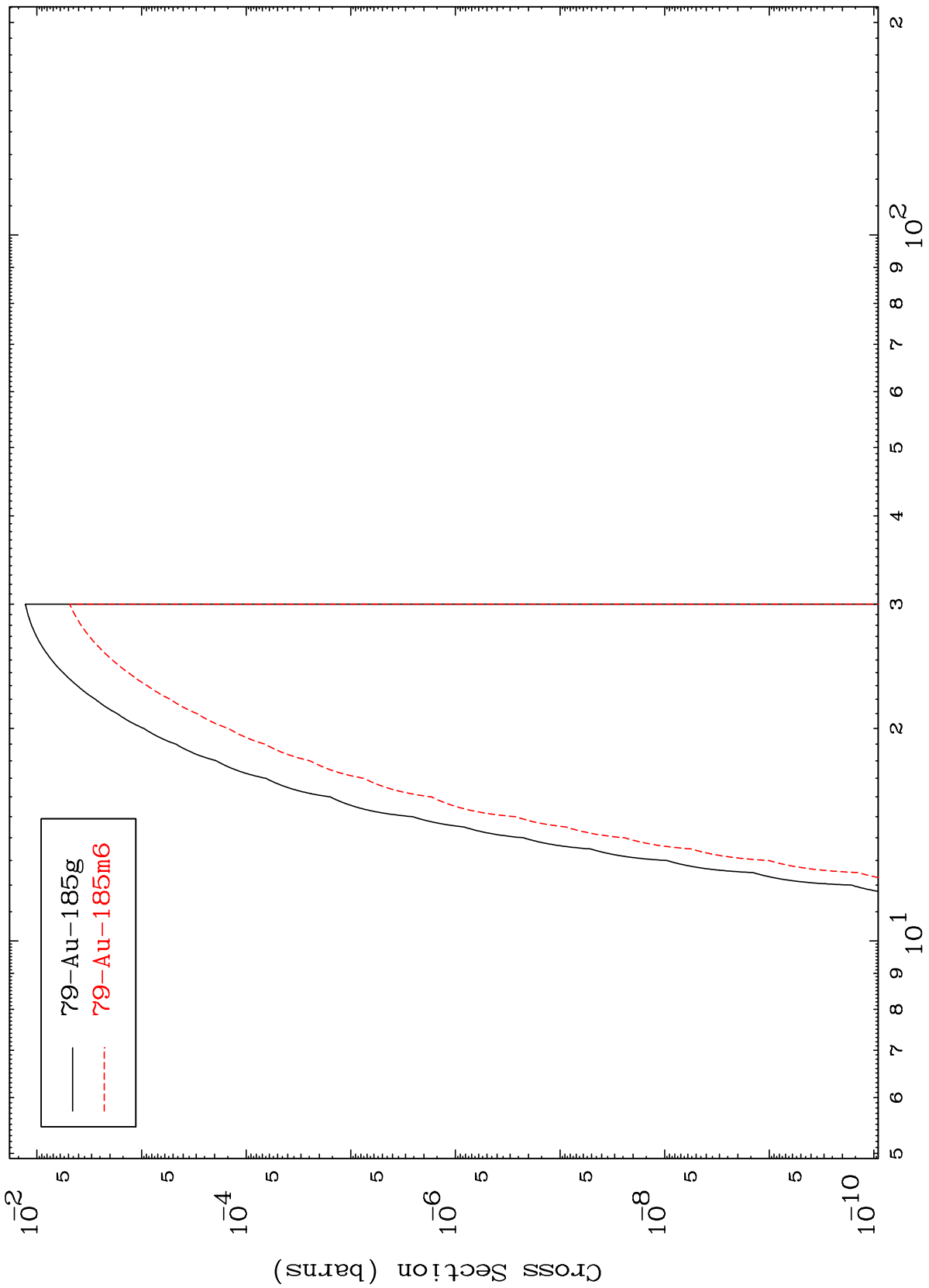


MAT 8077

(n,2n) p

81-Tl-187

Radionuclide Production Cross Section



79-Au-185g
79-Au-185m6

143

Incident Energy (MeV)

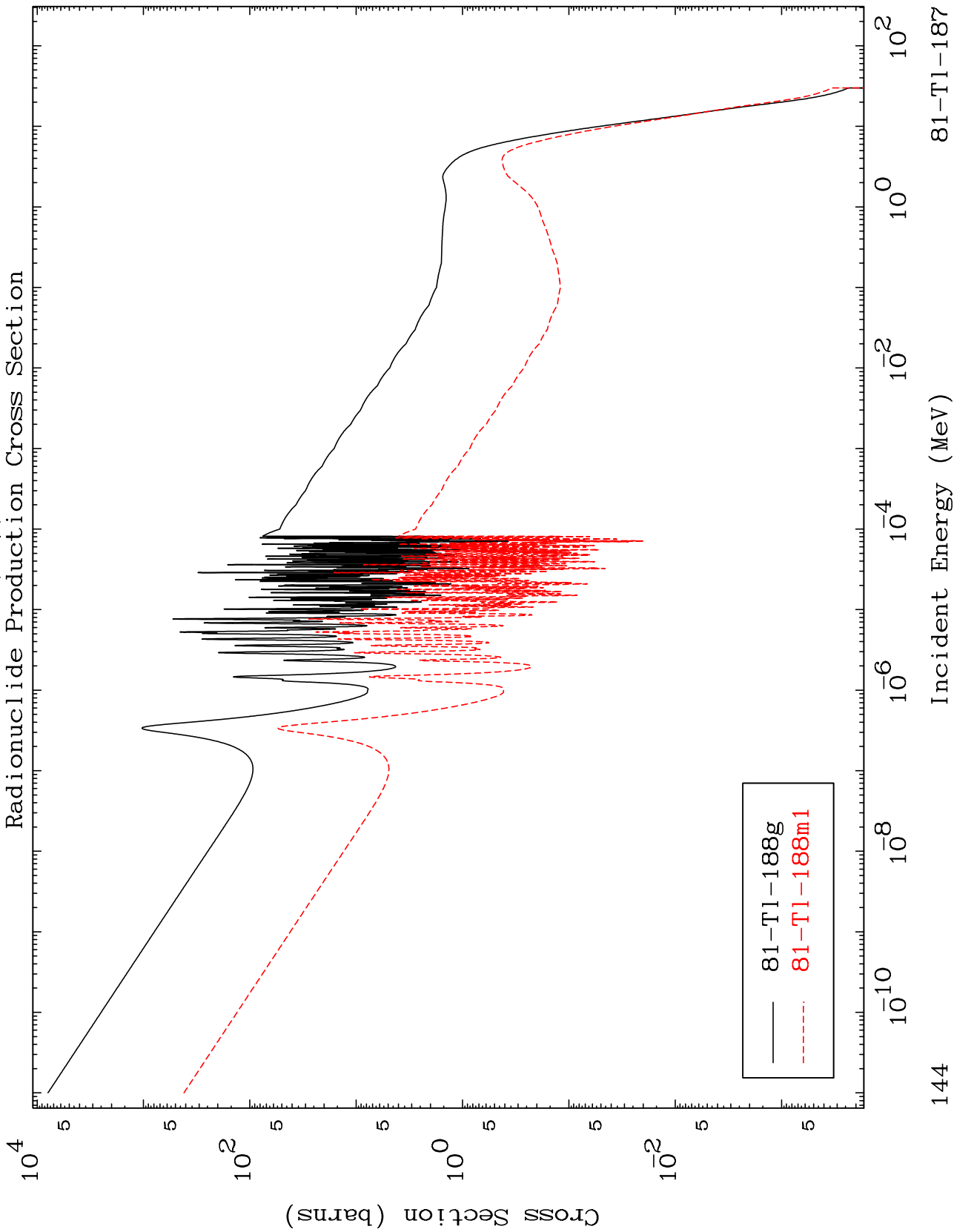
81-Tl-187

MAT 80777

81-Tl-187

Radionuclide Production Cross Section

(n, γ)

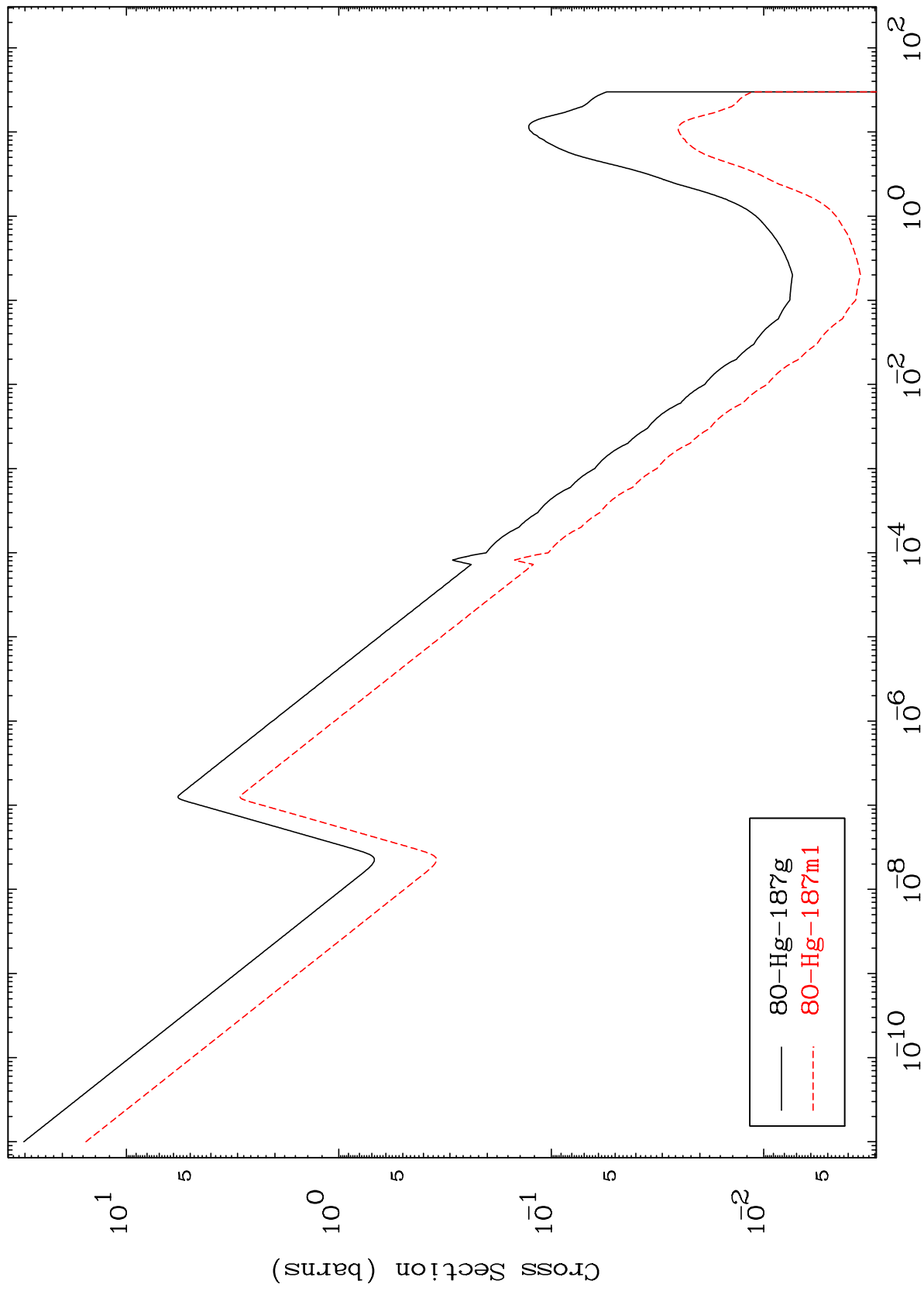


MAT 80777

81-Tl-187

Radionuclide Production Cross Section

(n,p)



81-Tl-187

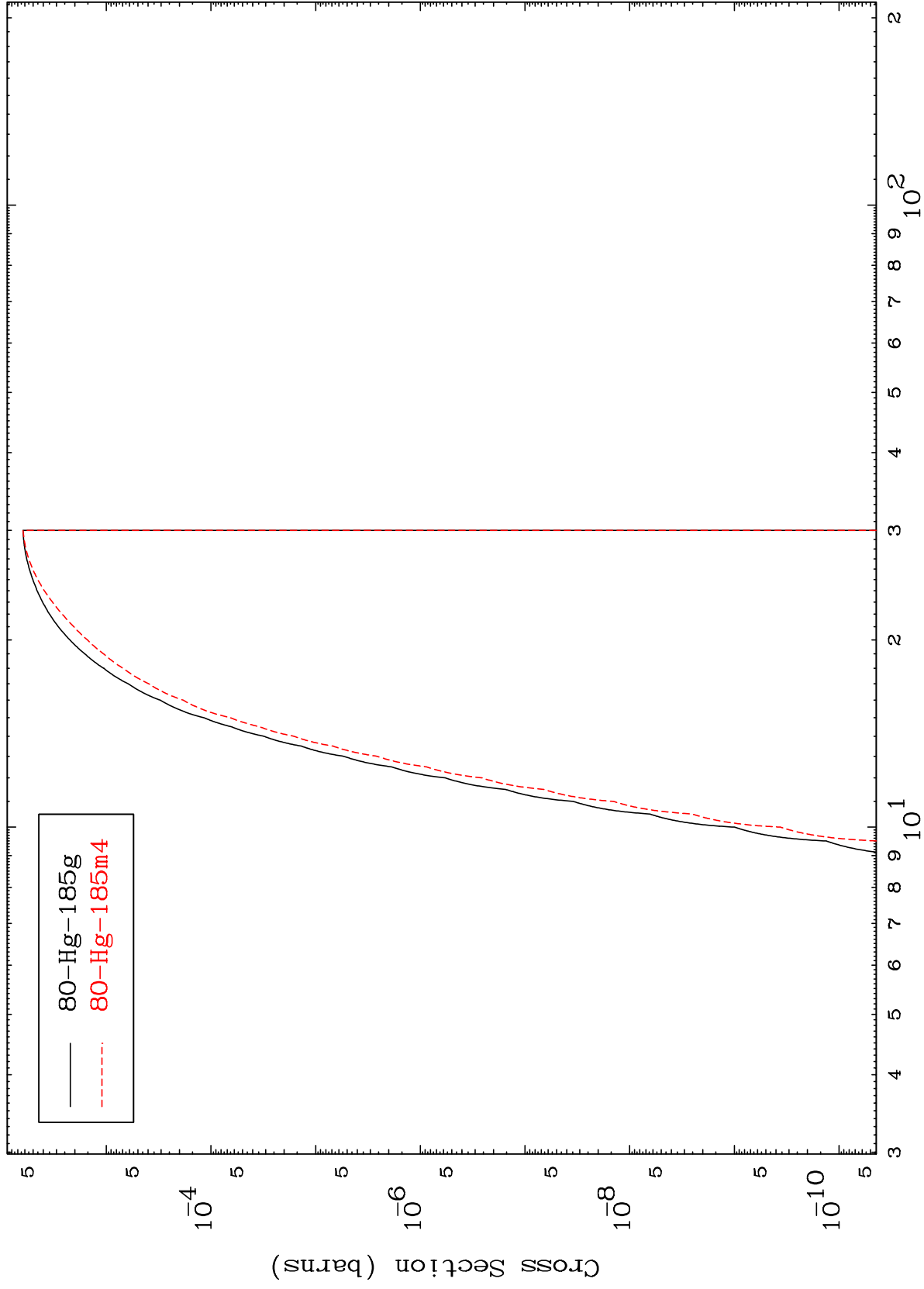
Incident Energy (MeV)

145

MAT 8077

81-Tl-187

Radionuclide Production Cross Section



146

Incident Energy (MeV)

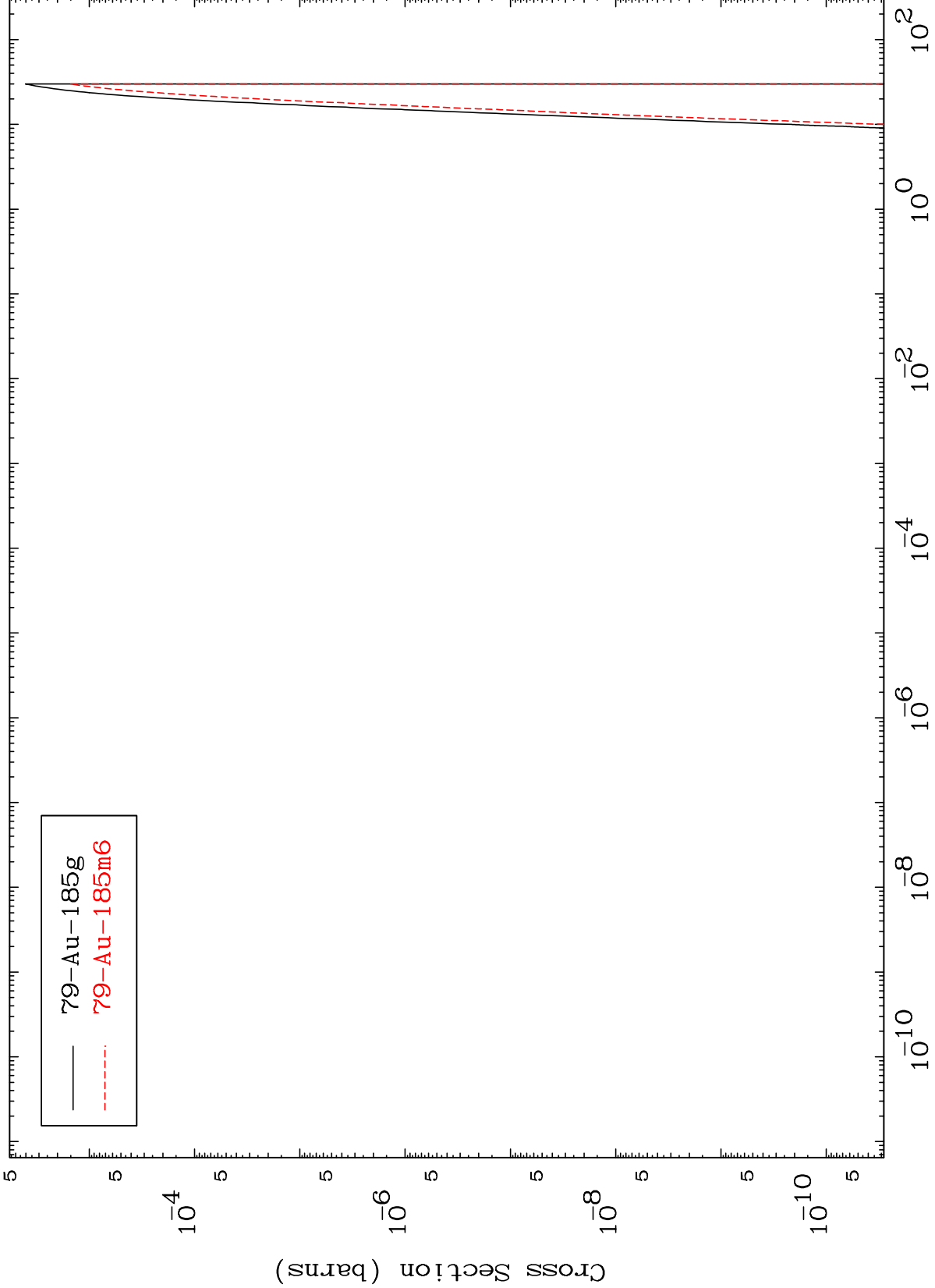
81-Tl-187

MAT 8077

(n,He-3)

81-Tl-187

Radionuclide Production Cross Section



— $^{79}\text{Au-185g}$
- - - $^{79}\text{Au-185m6}$

147

Incident Energy (MeV)

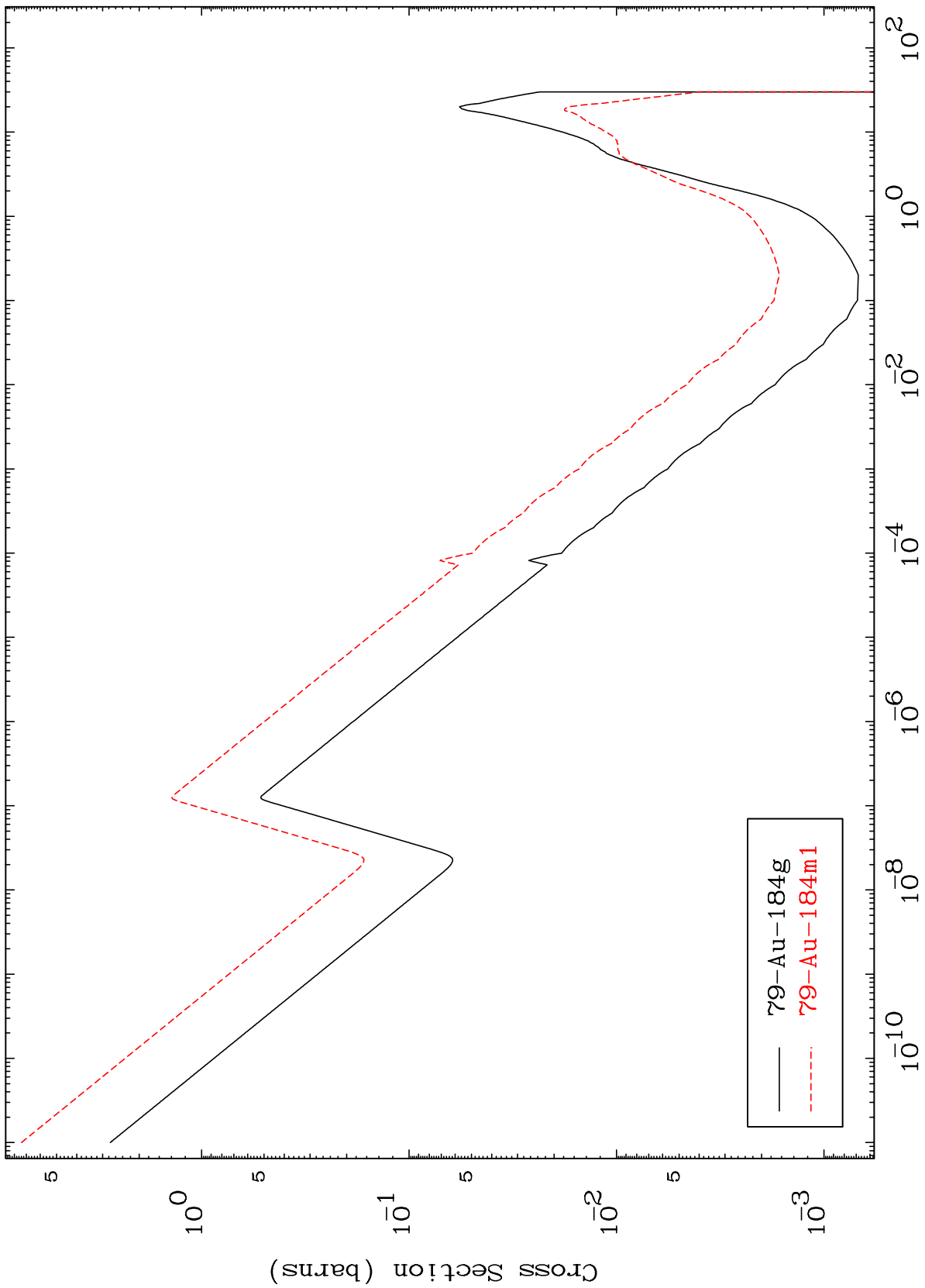
81-Tl-187

MAT 80777

81-Tl-187

Radionuclide Production Cross Section

(n, α)



81-Tl-187

Incident Energy (MeV)

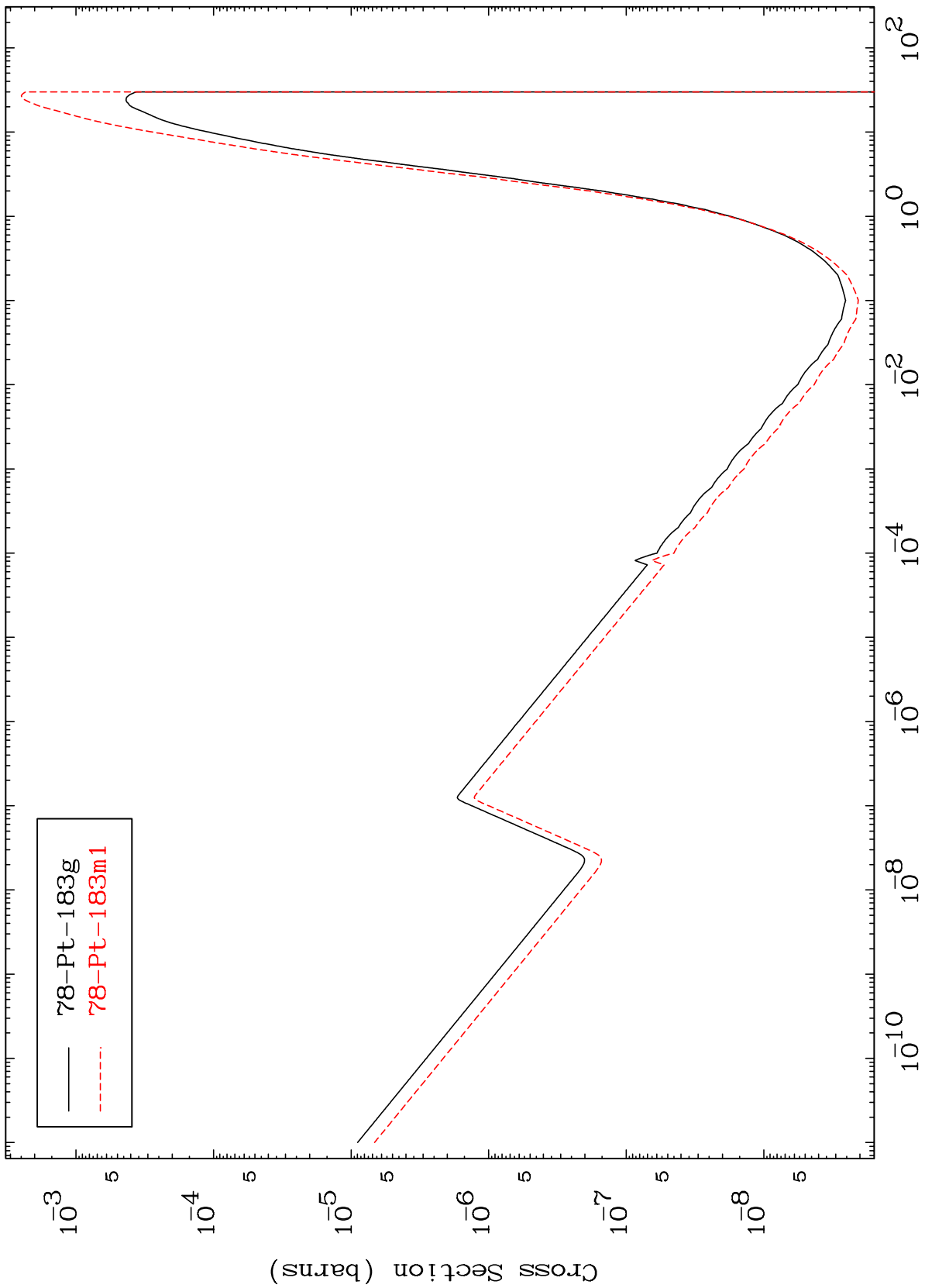
148

MAT 8077

(n,p) α

81-Tl-187

Radionuclide Production Cross Section



149

Incident Energy (MeV)

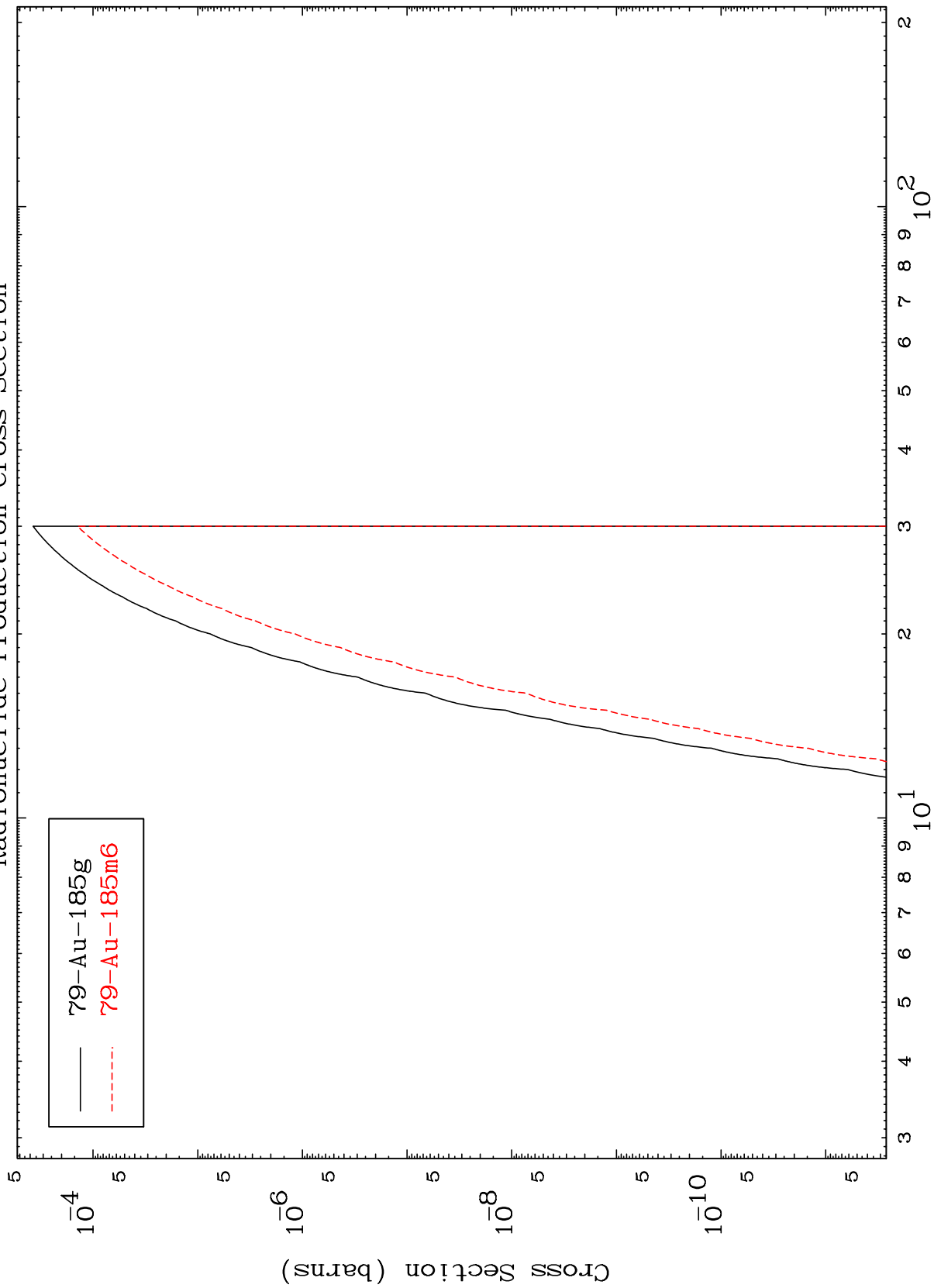
81-Tl-187

MAT 8077

(n,p) d

81-Tl-187

Radionuclide Production Cross Section



150

Incident Energy (MeV)

81-Tl-187

MAT 8077

(n,p) t

81-Tl-187

Radionuclide Production Cross Section

