

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

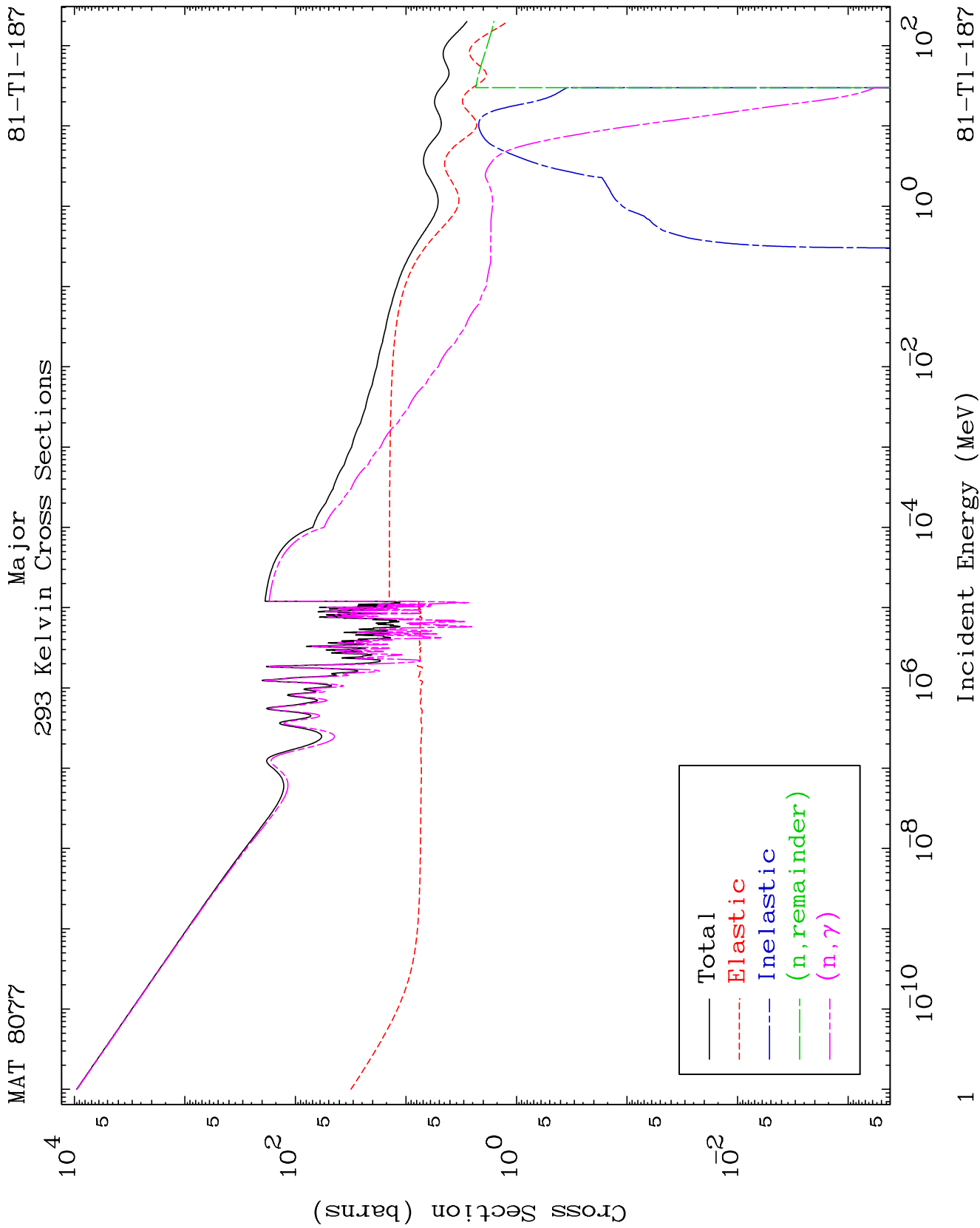
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Livermore, CA 94550
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

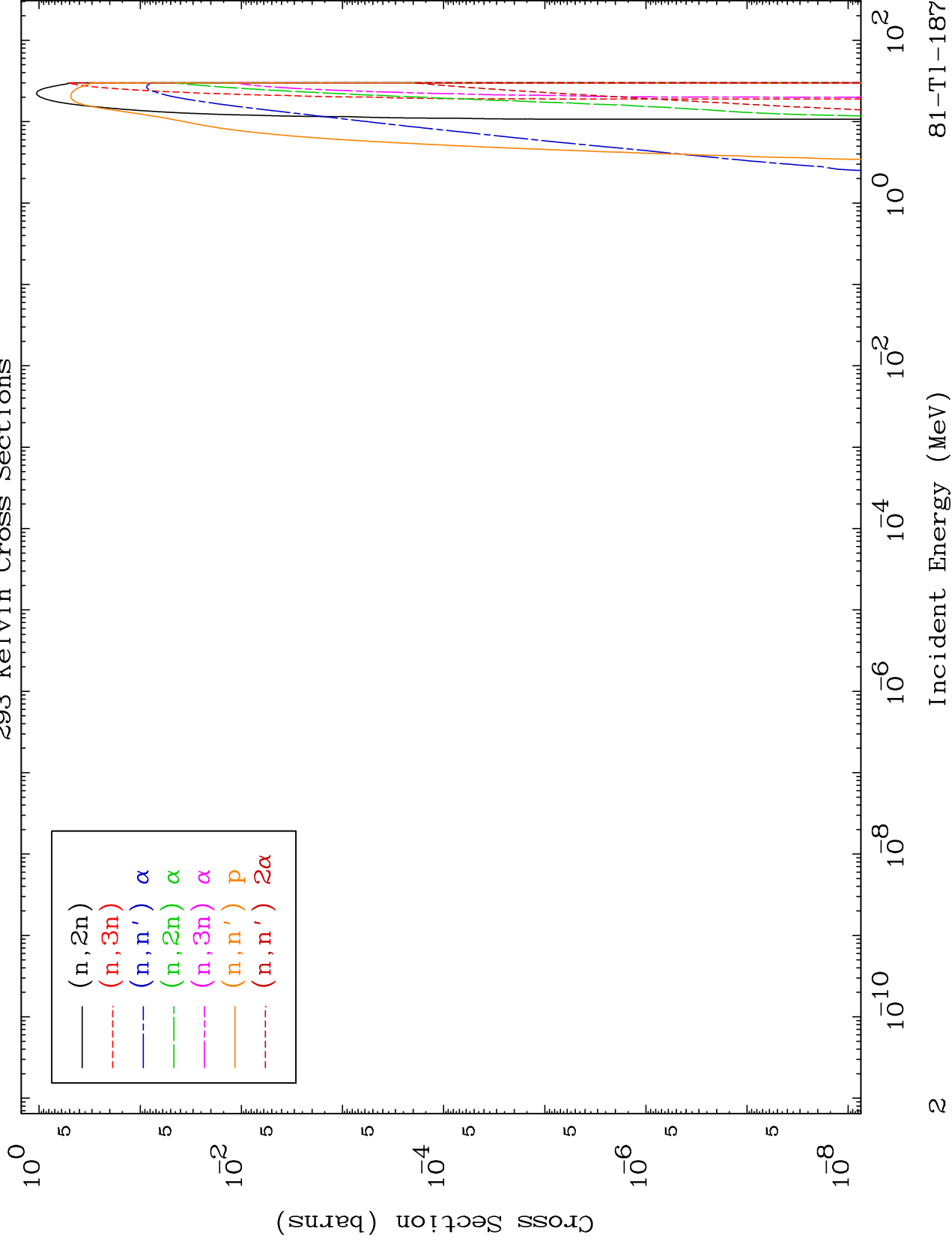
Press Mouse Button to Start



MAT 8077

Neutron Production
293 Kelvin Cross Sections

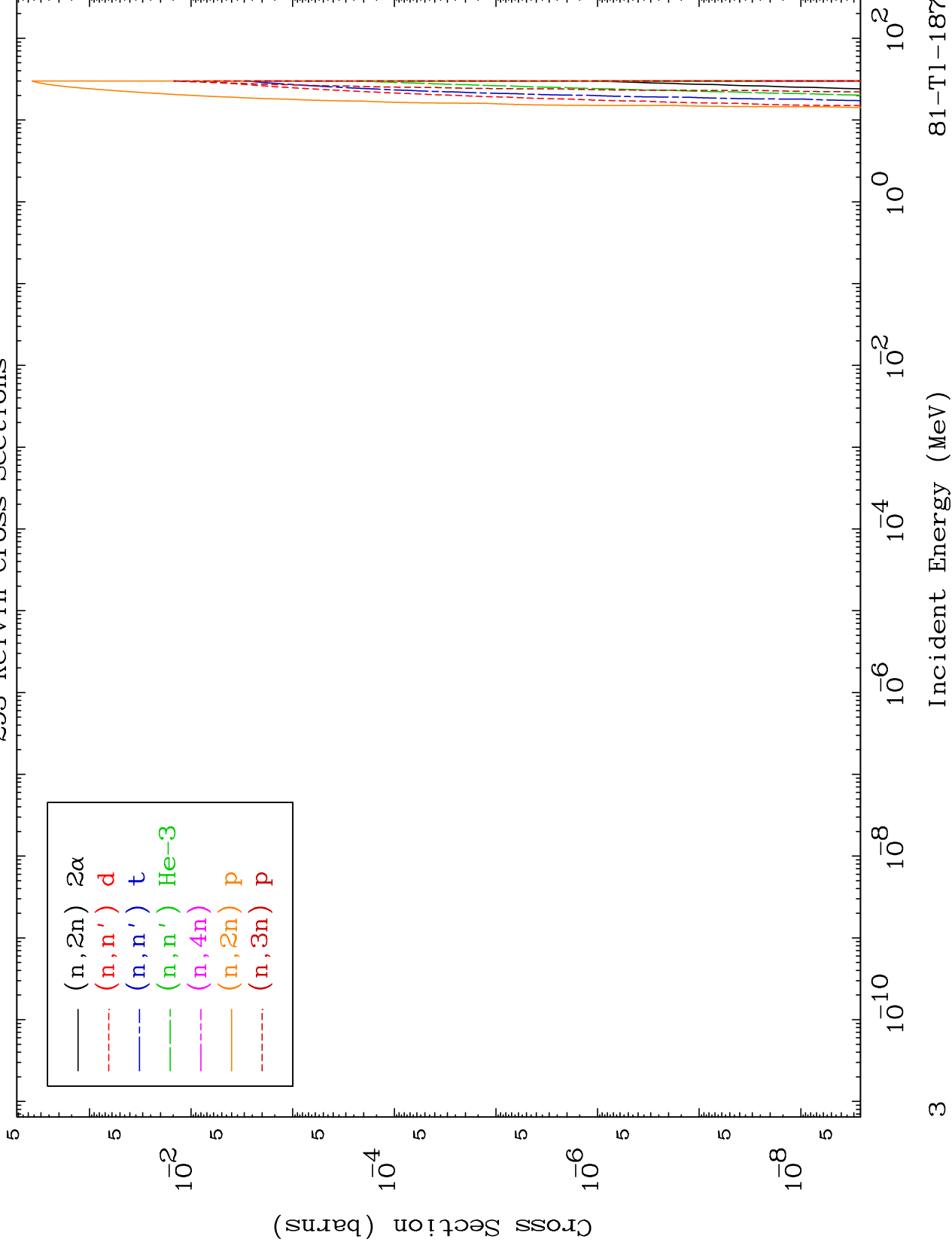
81-Tl-187



MAT 8077

Neutron Production
293 Kelvin Cross Sections

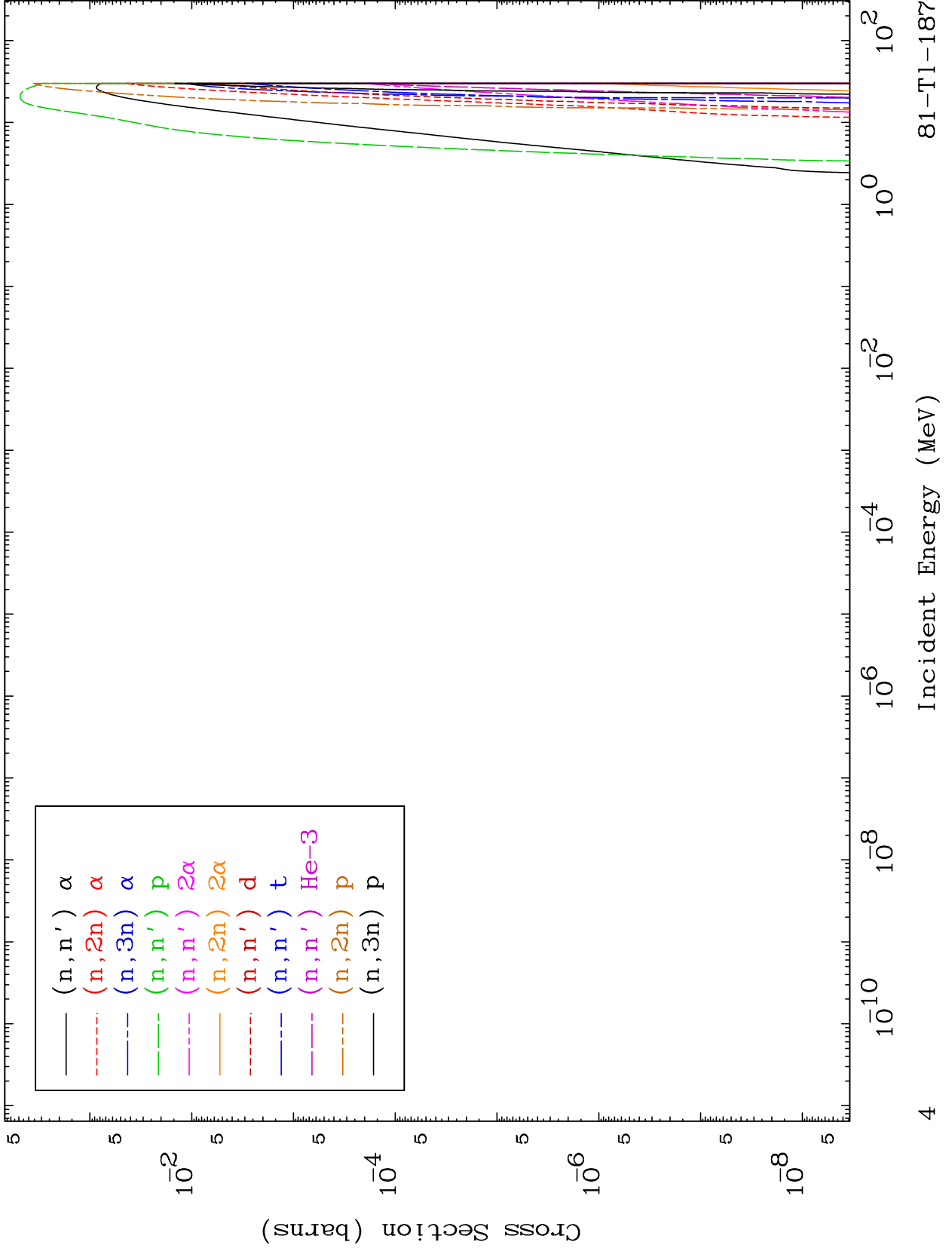
81-Tl-187



MAT 8077

Charged Particle
293 Kelvin Cross Sections

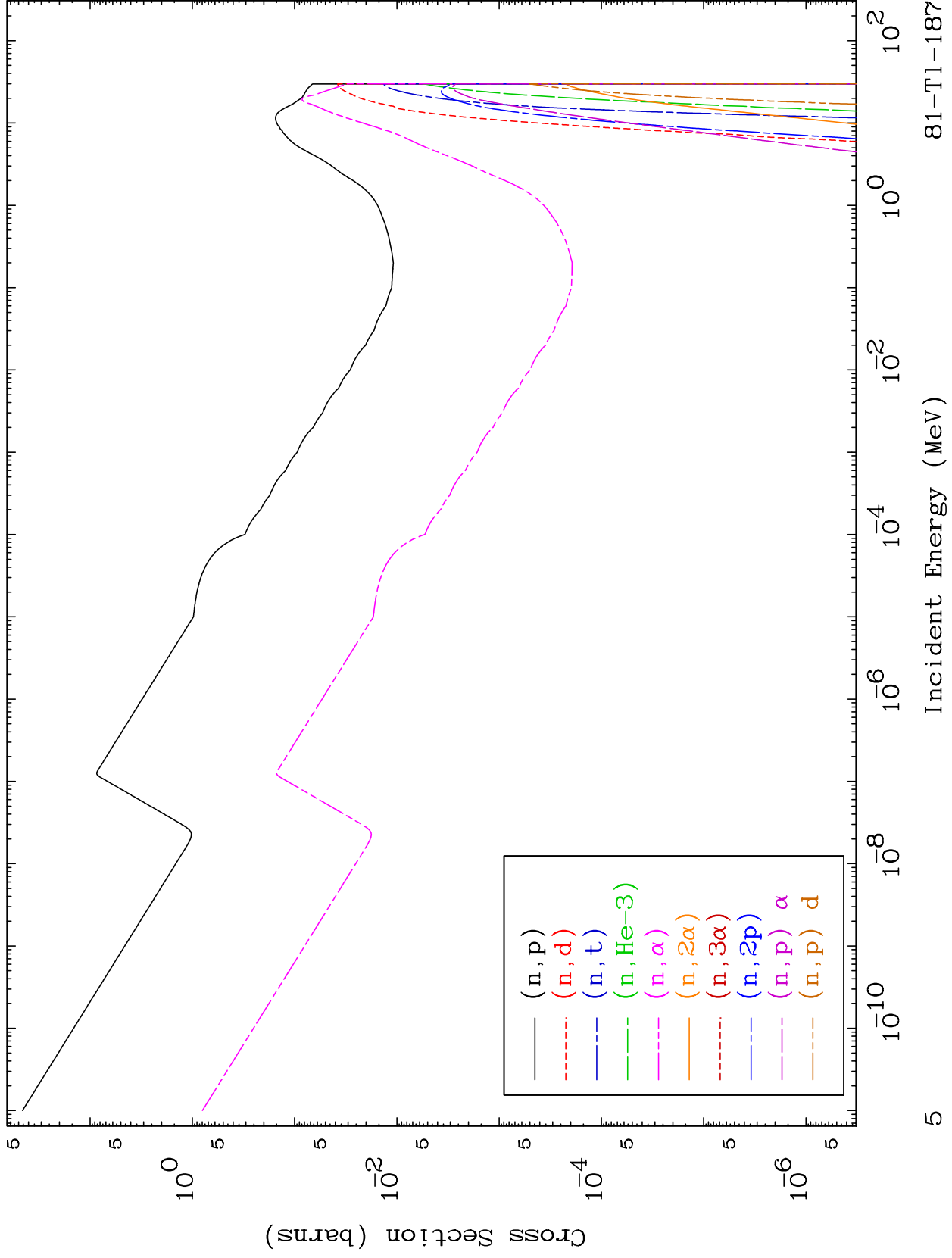
81-Tl-187

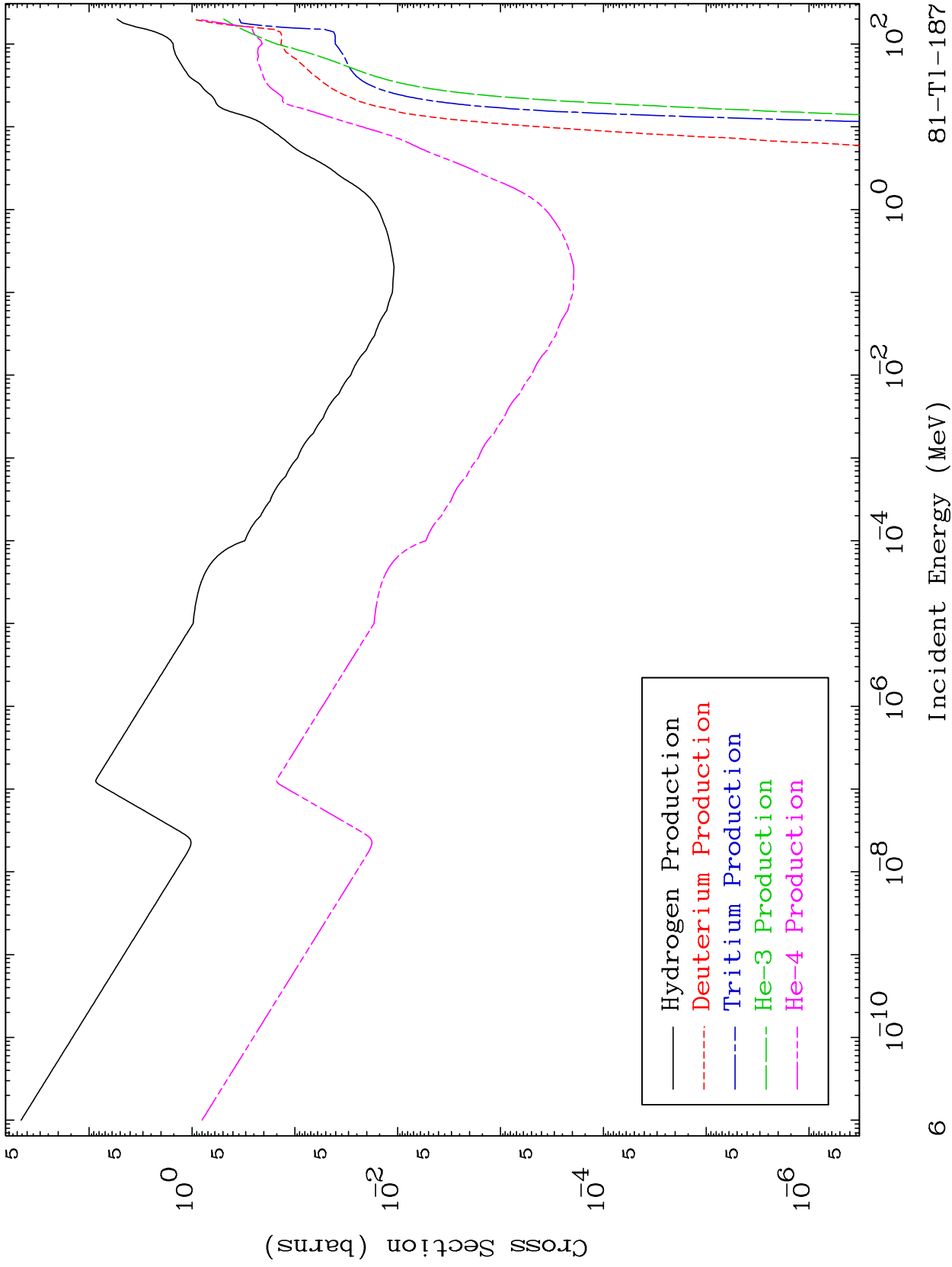


MAT 80777

Charged Particle
293 Kelvin Cross Sections

81-Tl-187



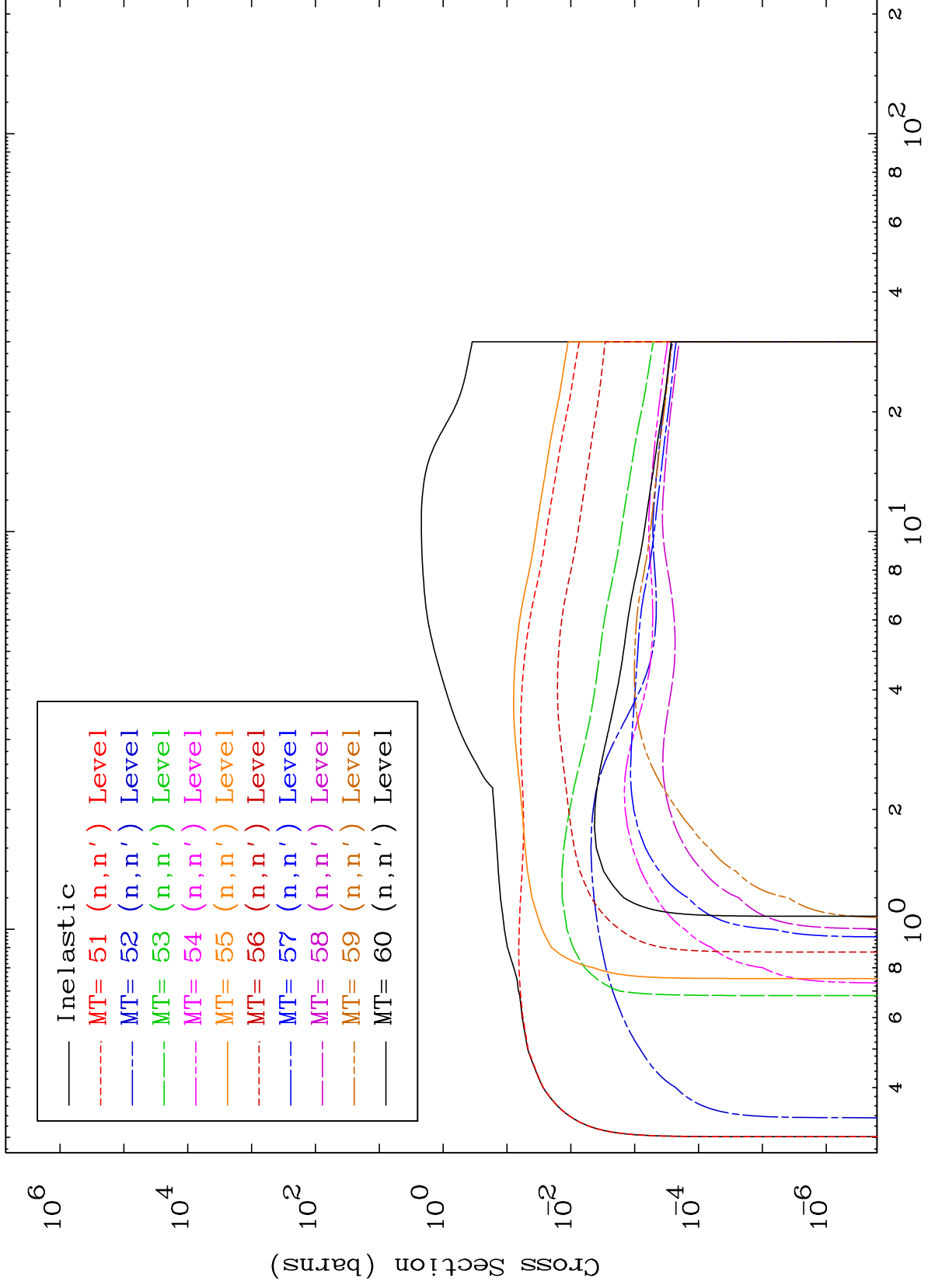


MAT 80777

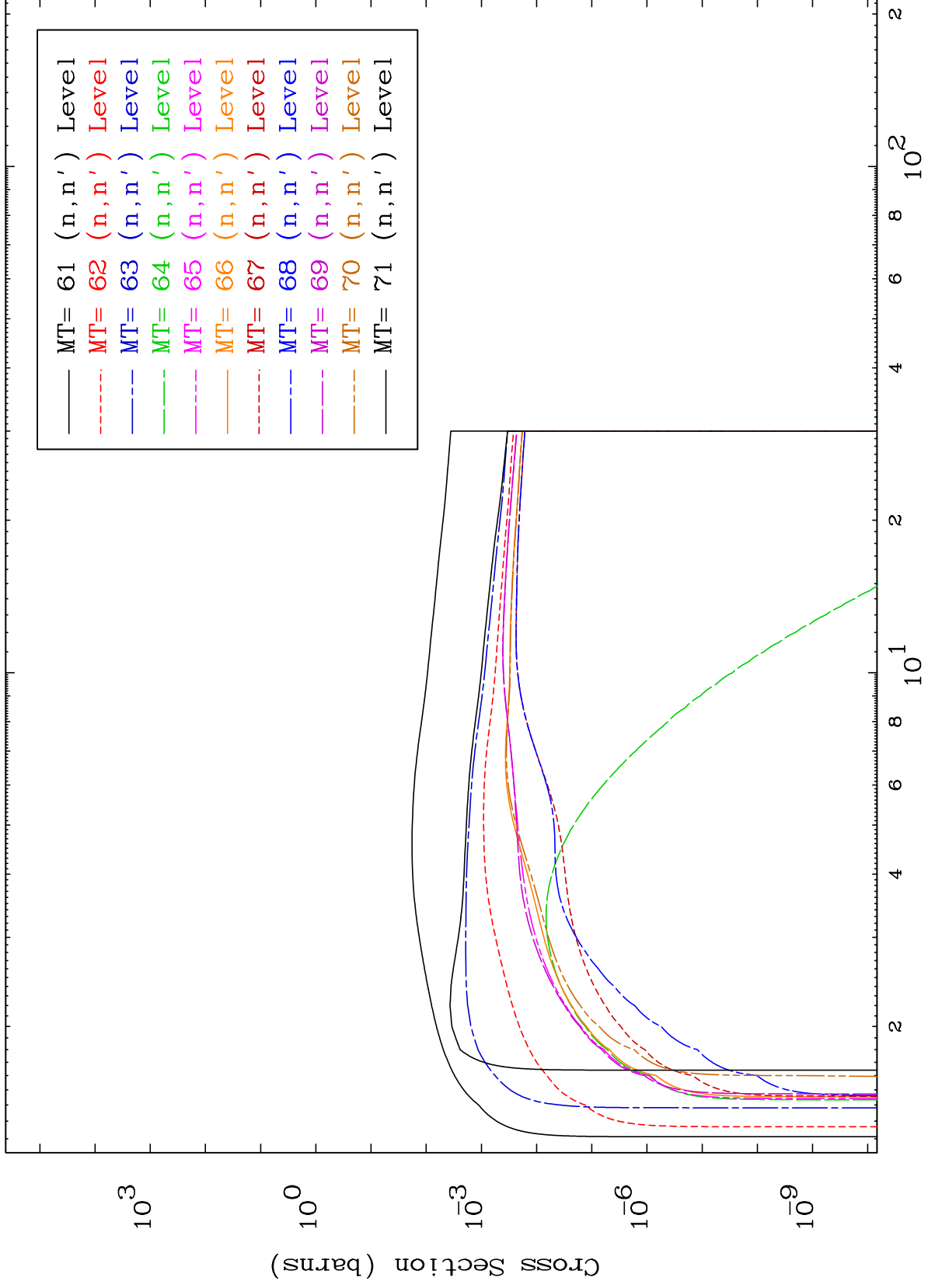
(n,n') Level

81-Tl-187

293 Kelvin Cross Sections



293 Kelvin Cross Sections

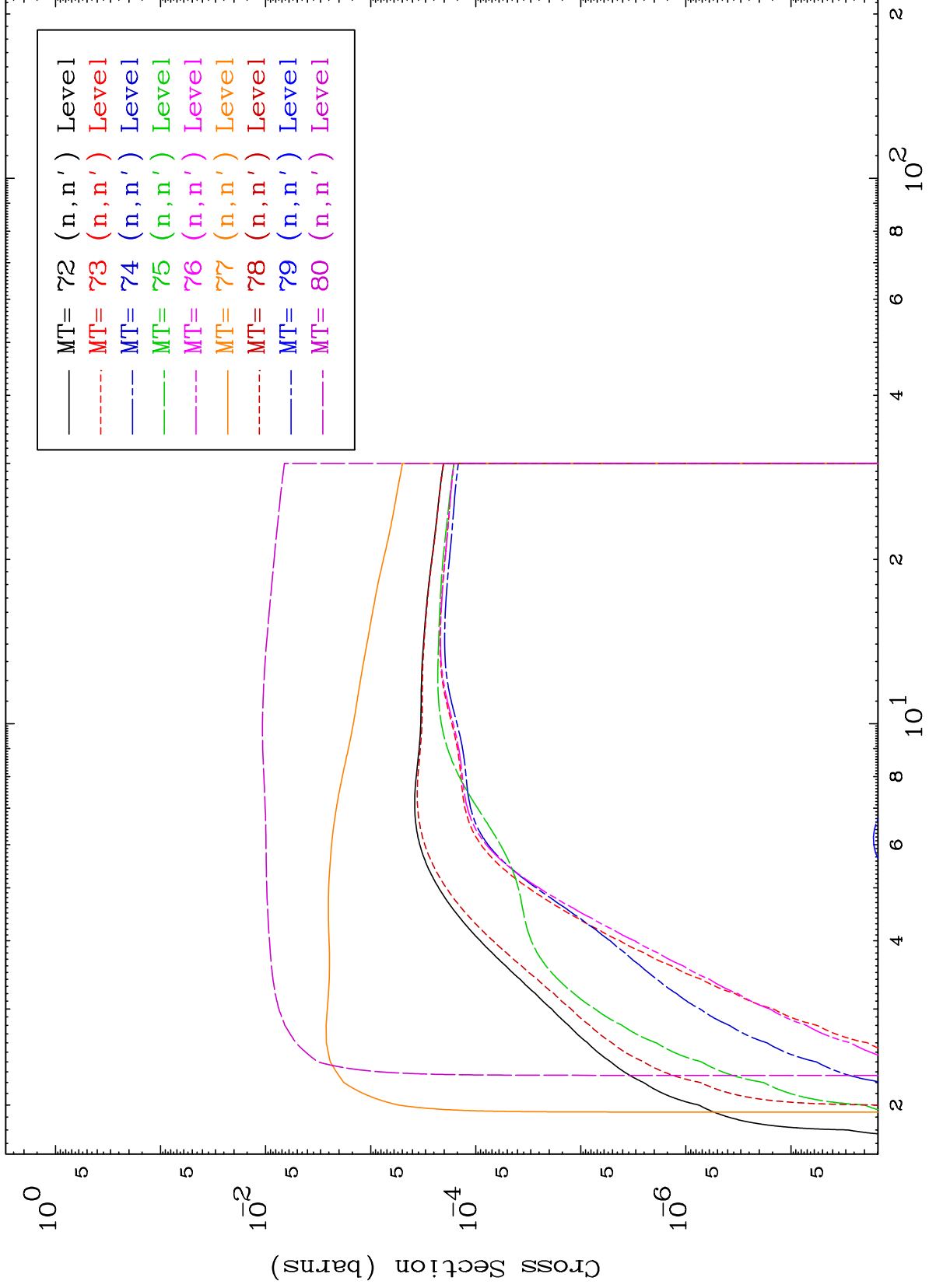


MAT 80777

(n,n') Level

293 Kelvin Cross Sections

81-Tl-187



9

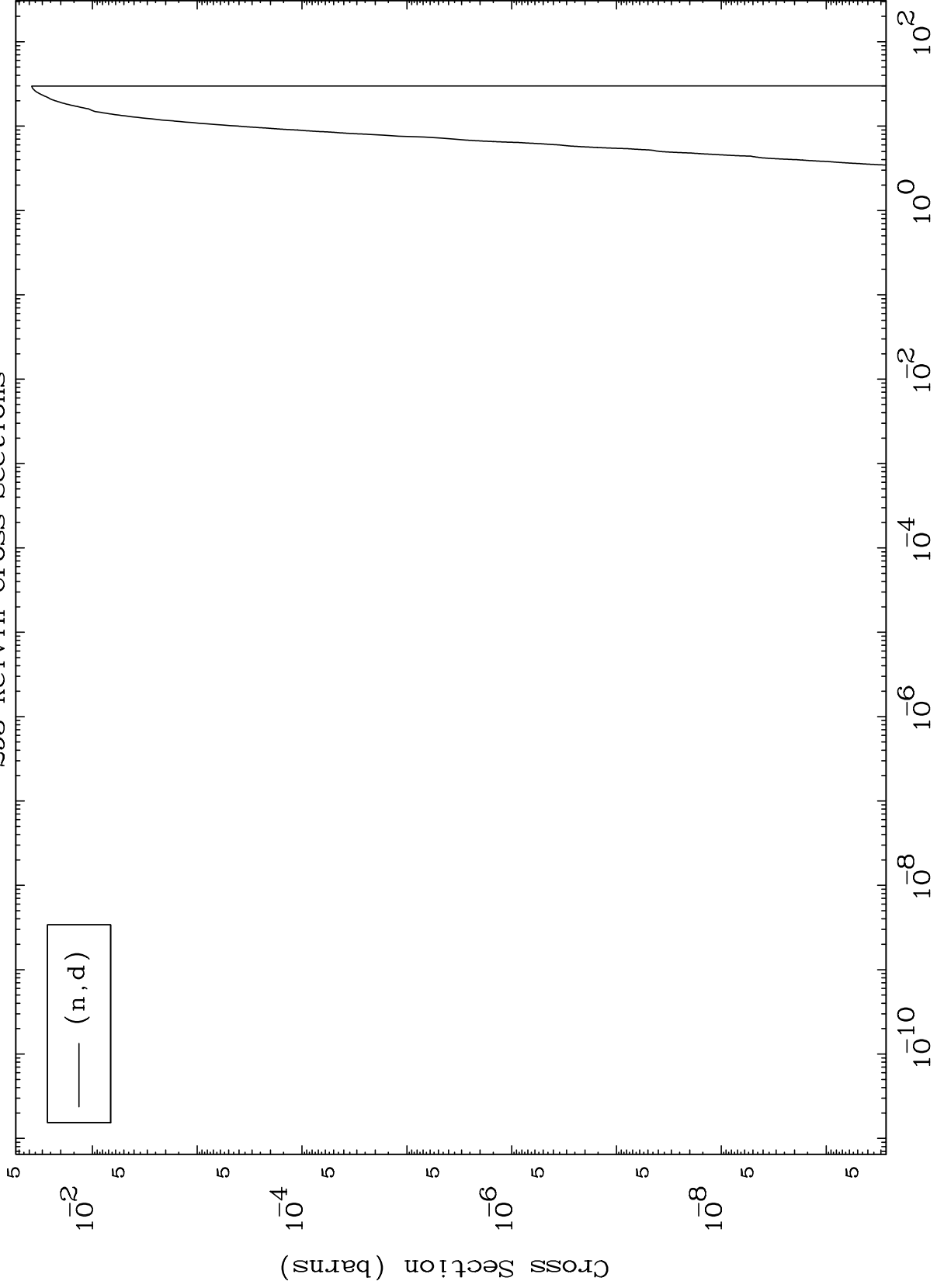
Incident Energy (MeV)

81-Tl-187

MAT 80777

(n,d) Levels
293 Kelvin Cross Sections

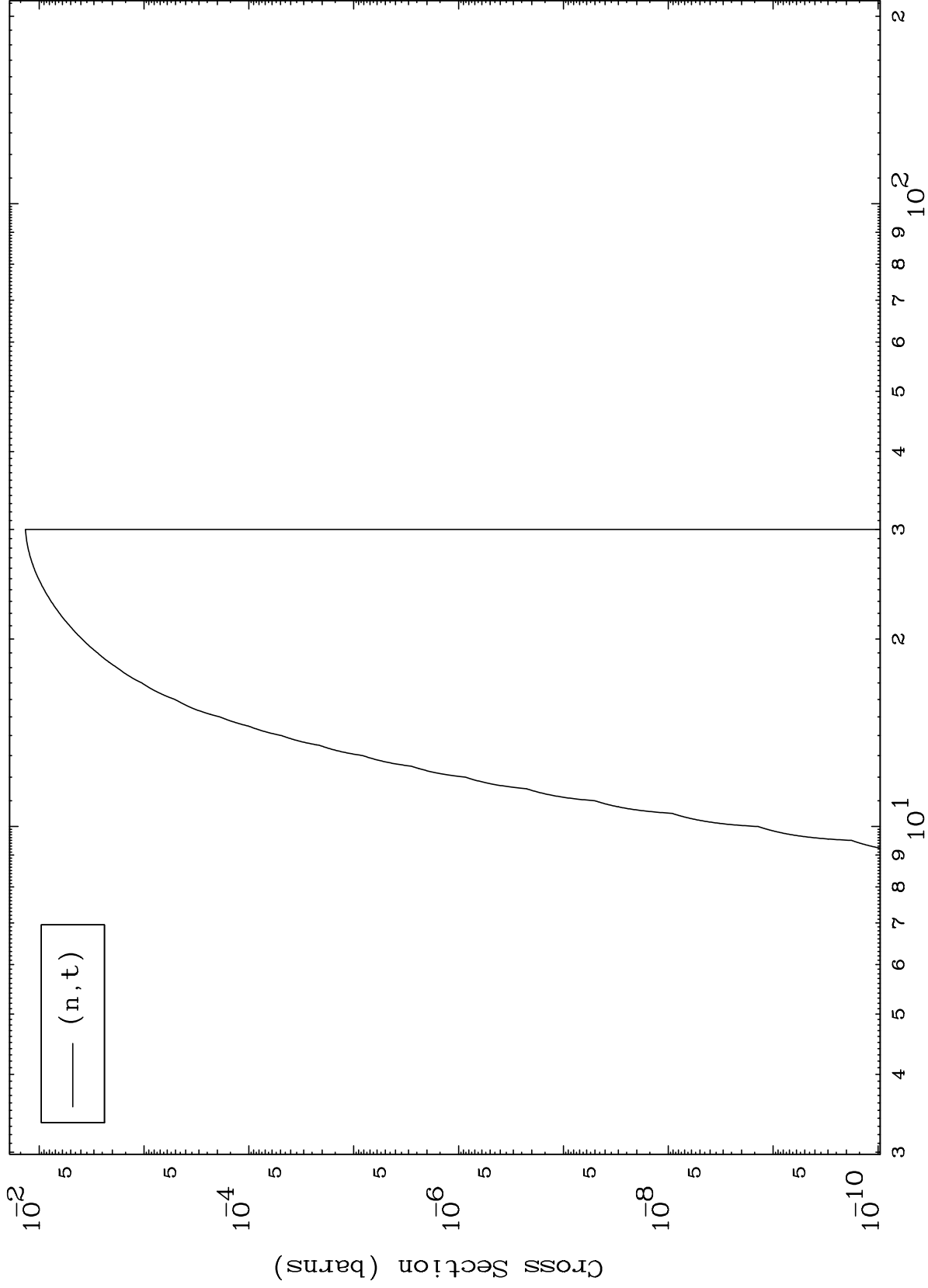
81-Tl-187



MAT 80777

(n,t) Levels
293 Kelvin Cross Sections

81-Tl-187



12

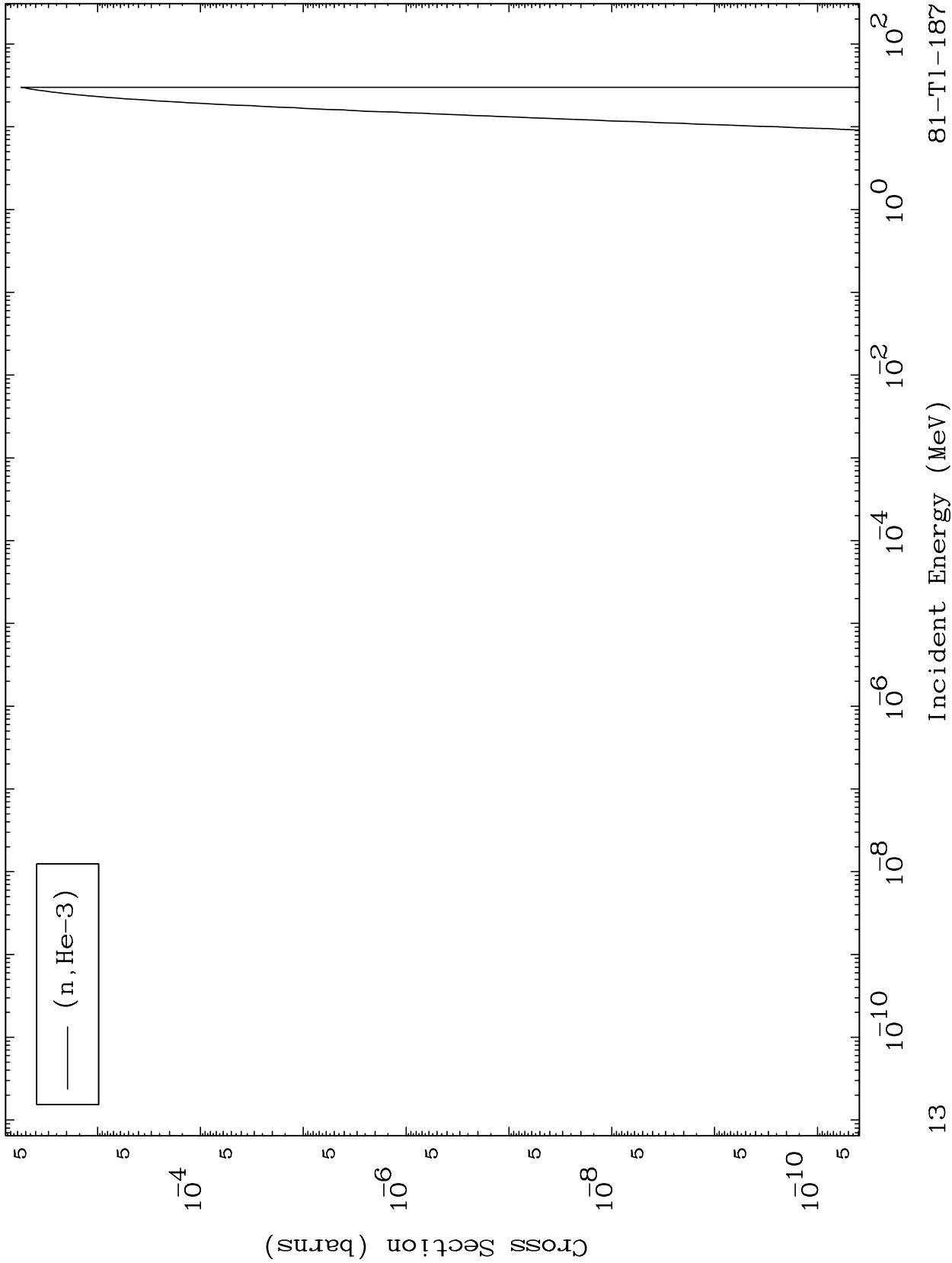
Incident Energy (MeV)

81-Tl-187

MAT 8077

(n,He3) Levels
293 Kelvin Cross Sections

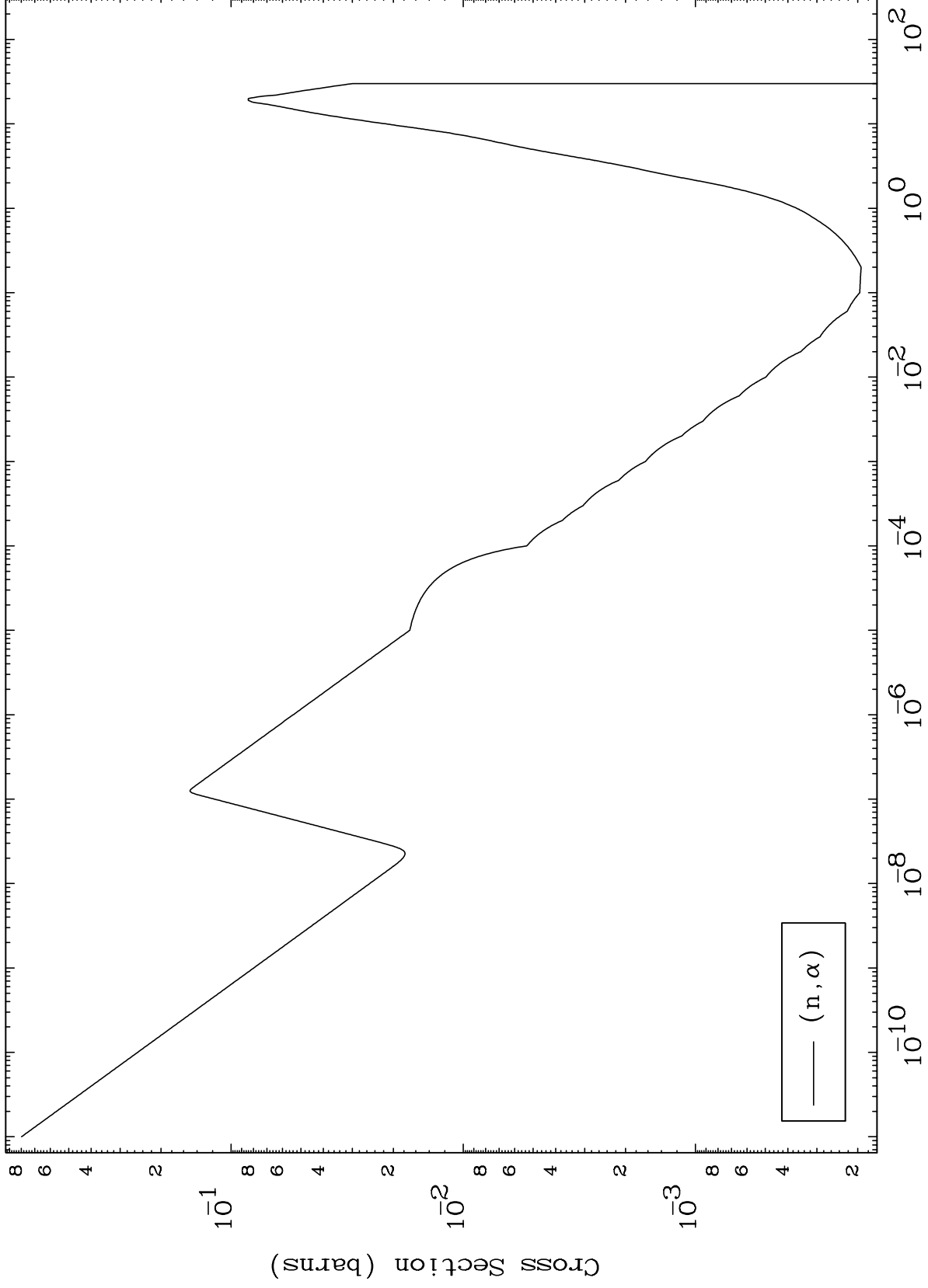
81-T1-187



MAT 8077

(n,α) Levels
293 Kelvin Cross Sections

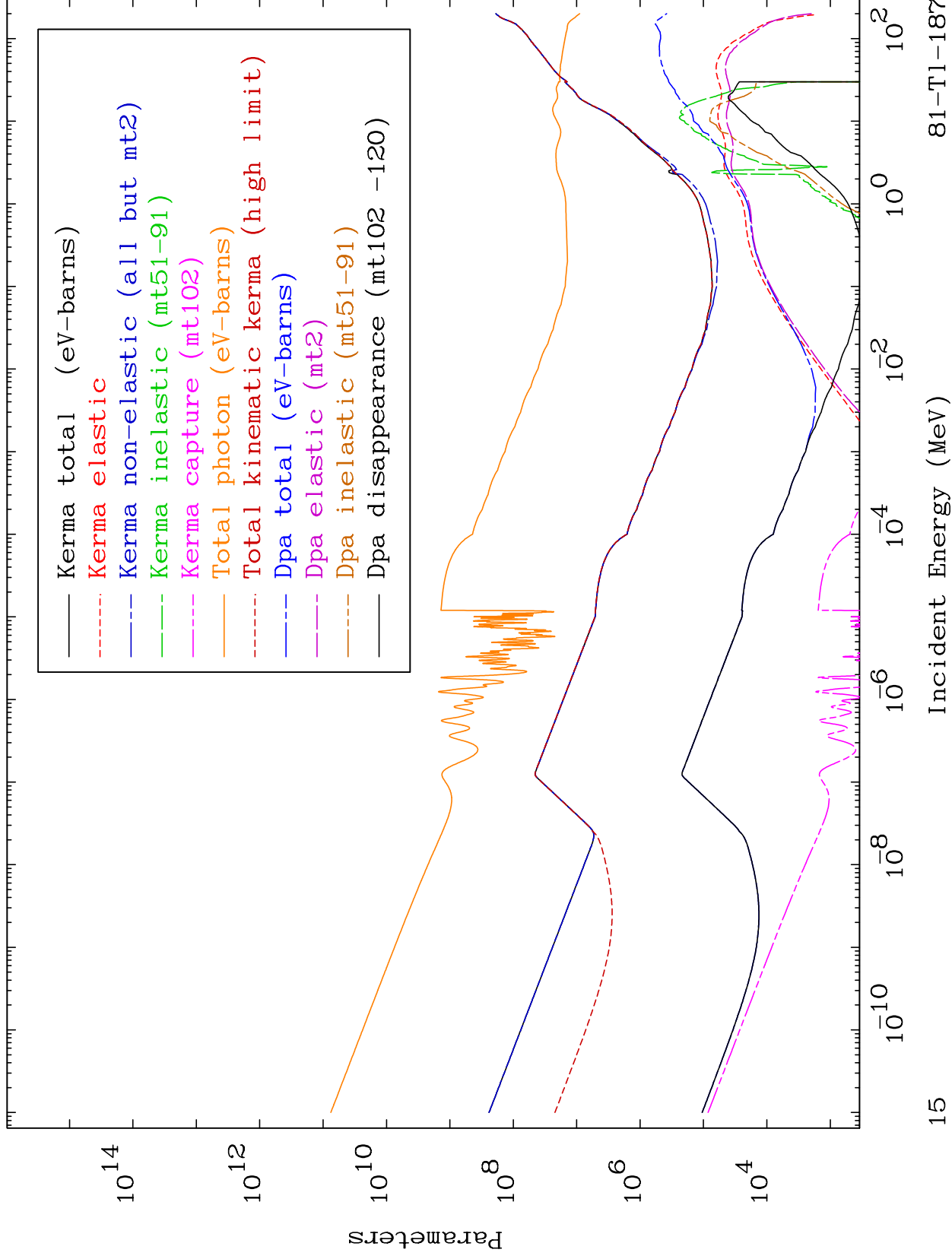
81-Tl-187



14

Incident Energy (MeV)

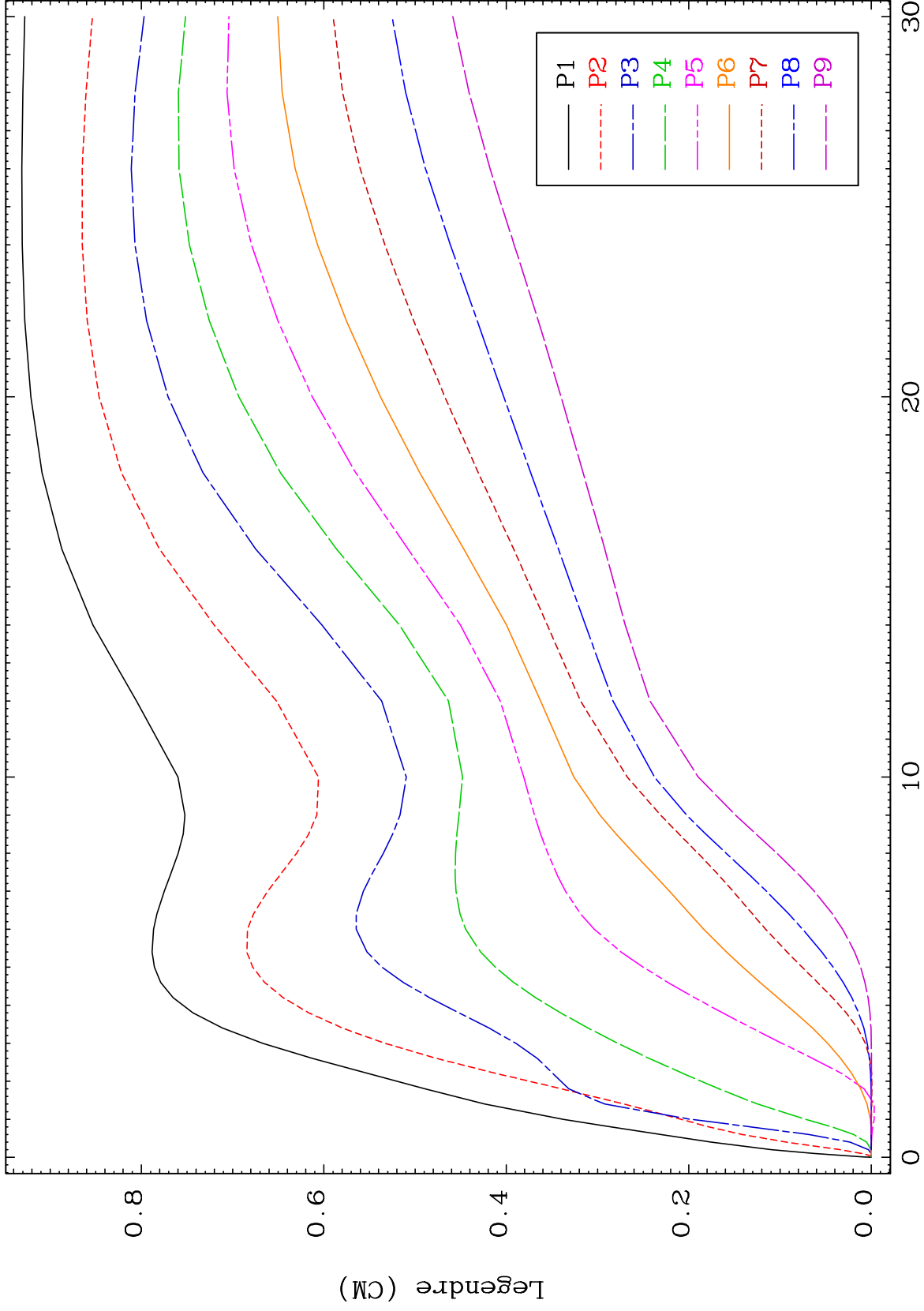
81-Tl-187



MAT 8077

Elastic Legendre Coefficients

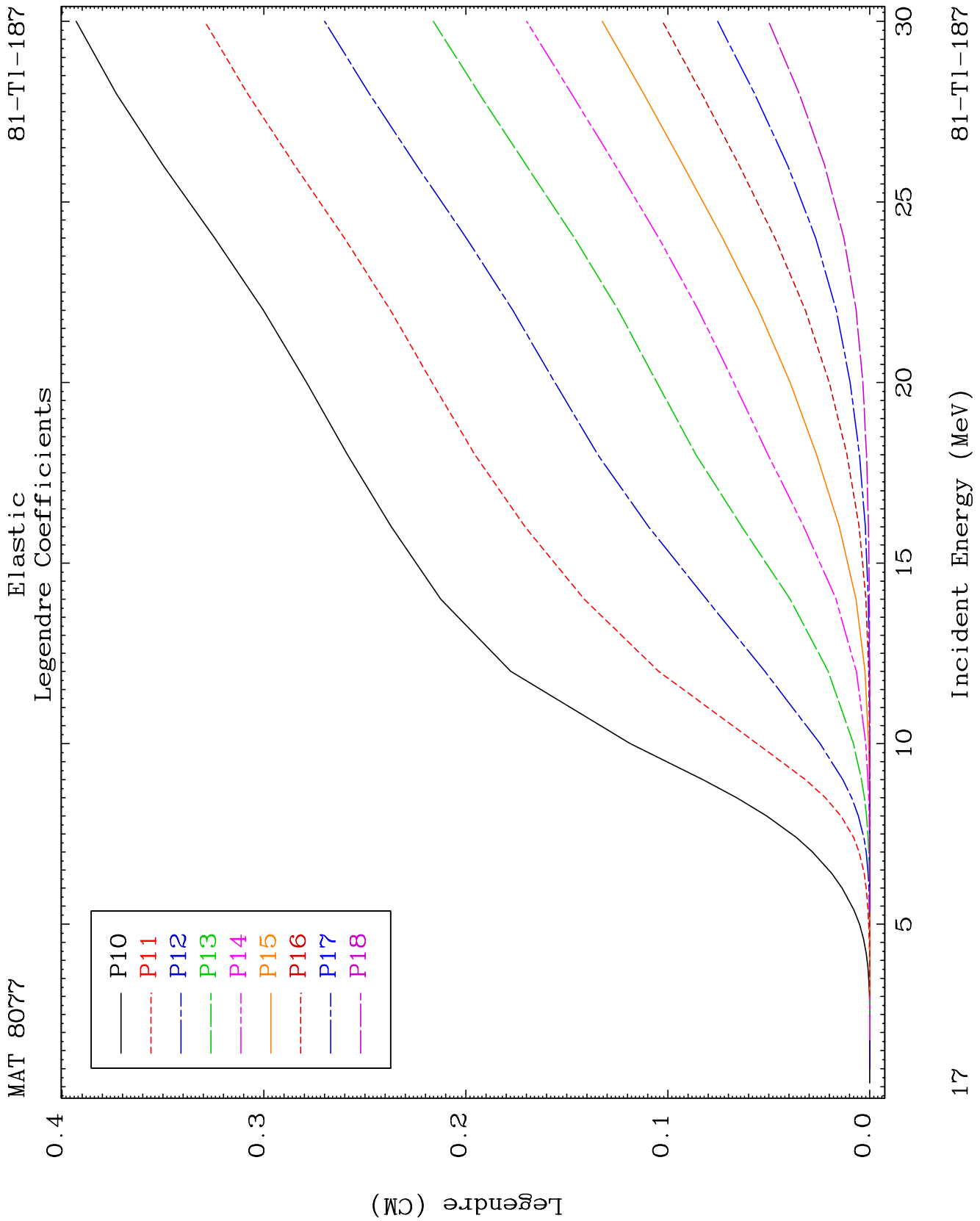
81-Tl-187



16

Incident Energy (MeV)

81-Tl-187



81-T1-187

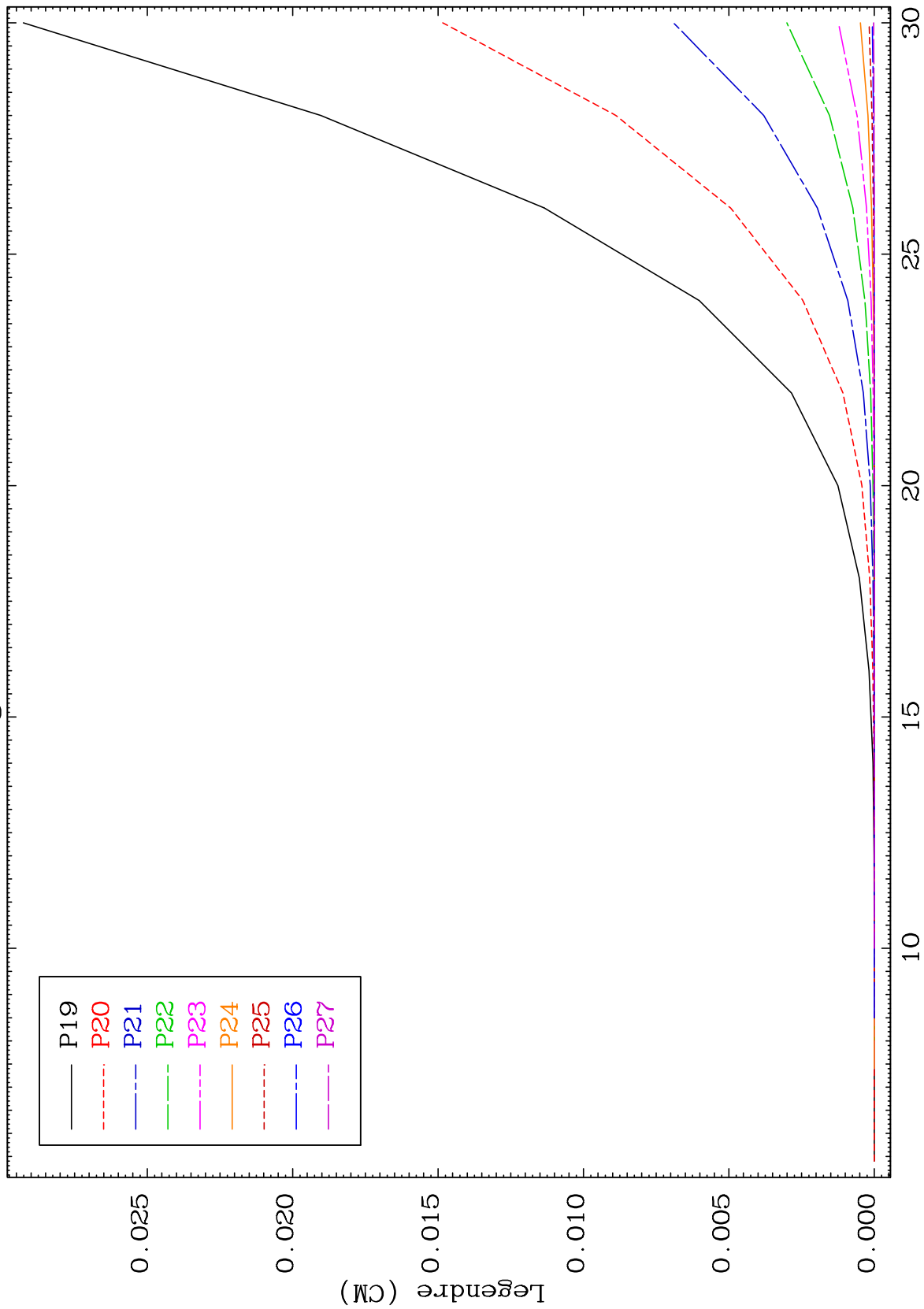
Incident Energy (MeV)

17

MAT 8077

Elastic Legendre Coefficients

81-T1-187



18

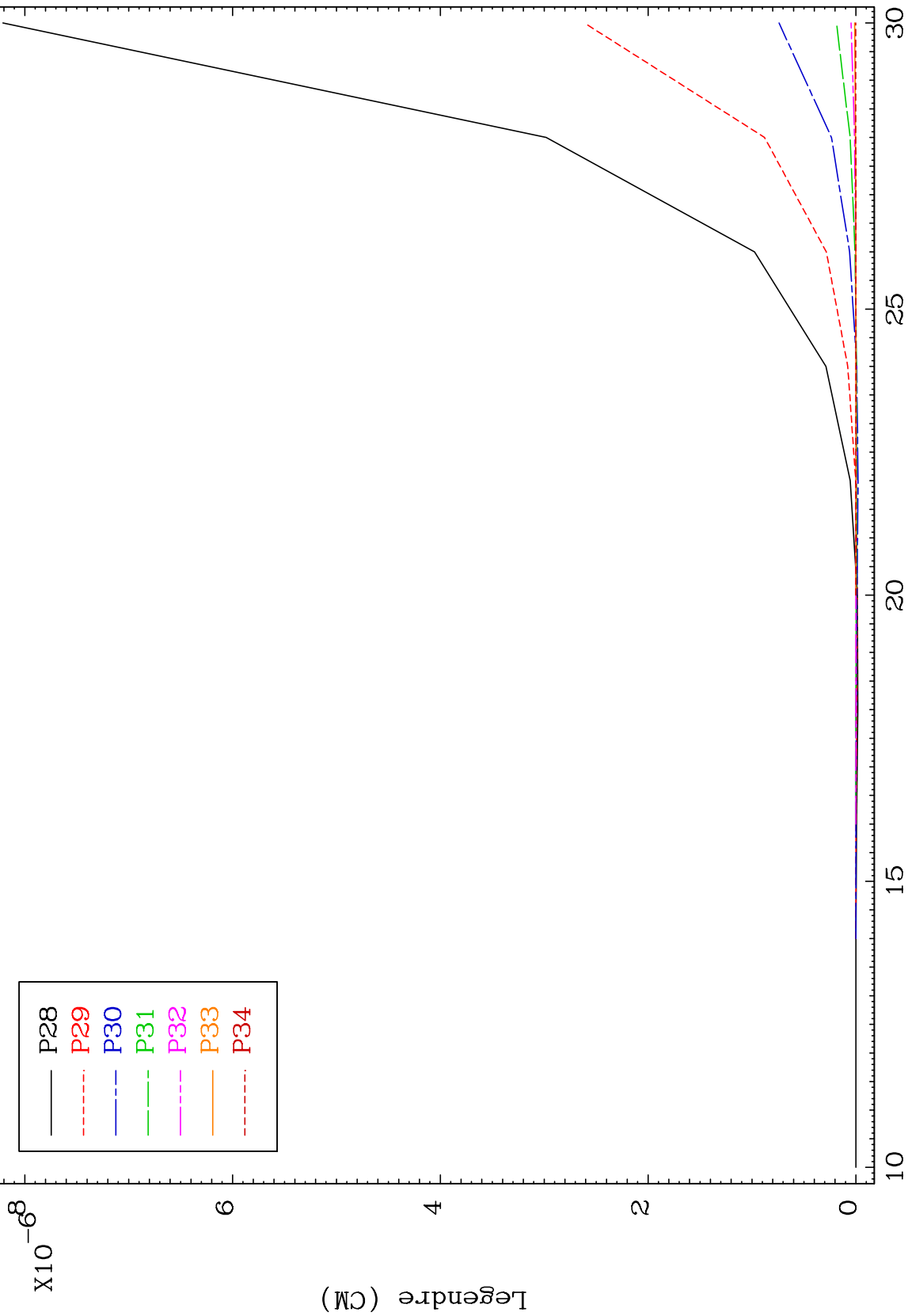
Incident Energy (MeV)

81-T1-187

MAT 8077

Elastic
Legendre Coefficients

81-T1-187



19

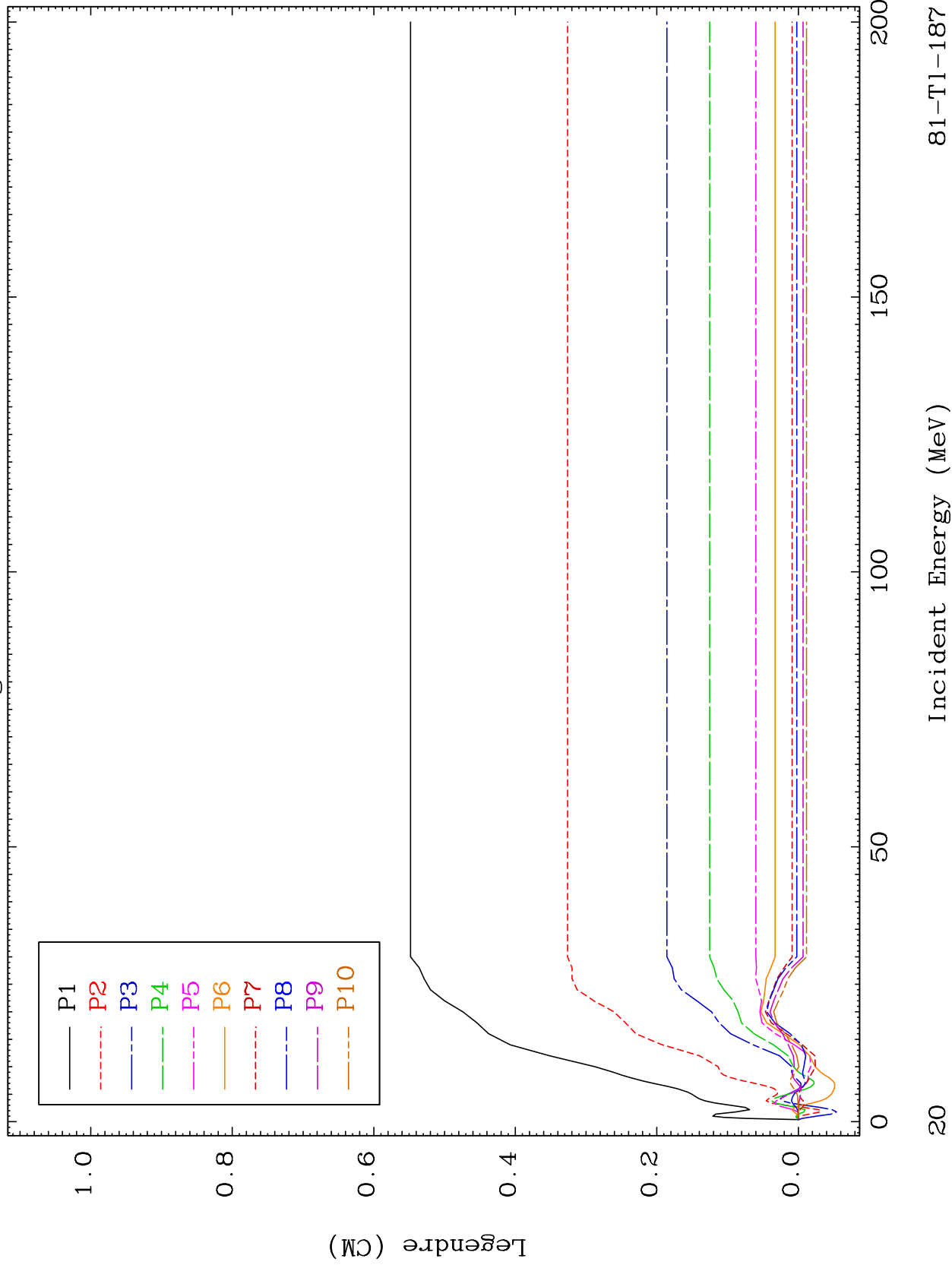
Incident Energy (MeV)

81-T1-187

MAT 8077

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

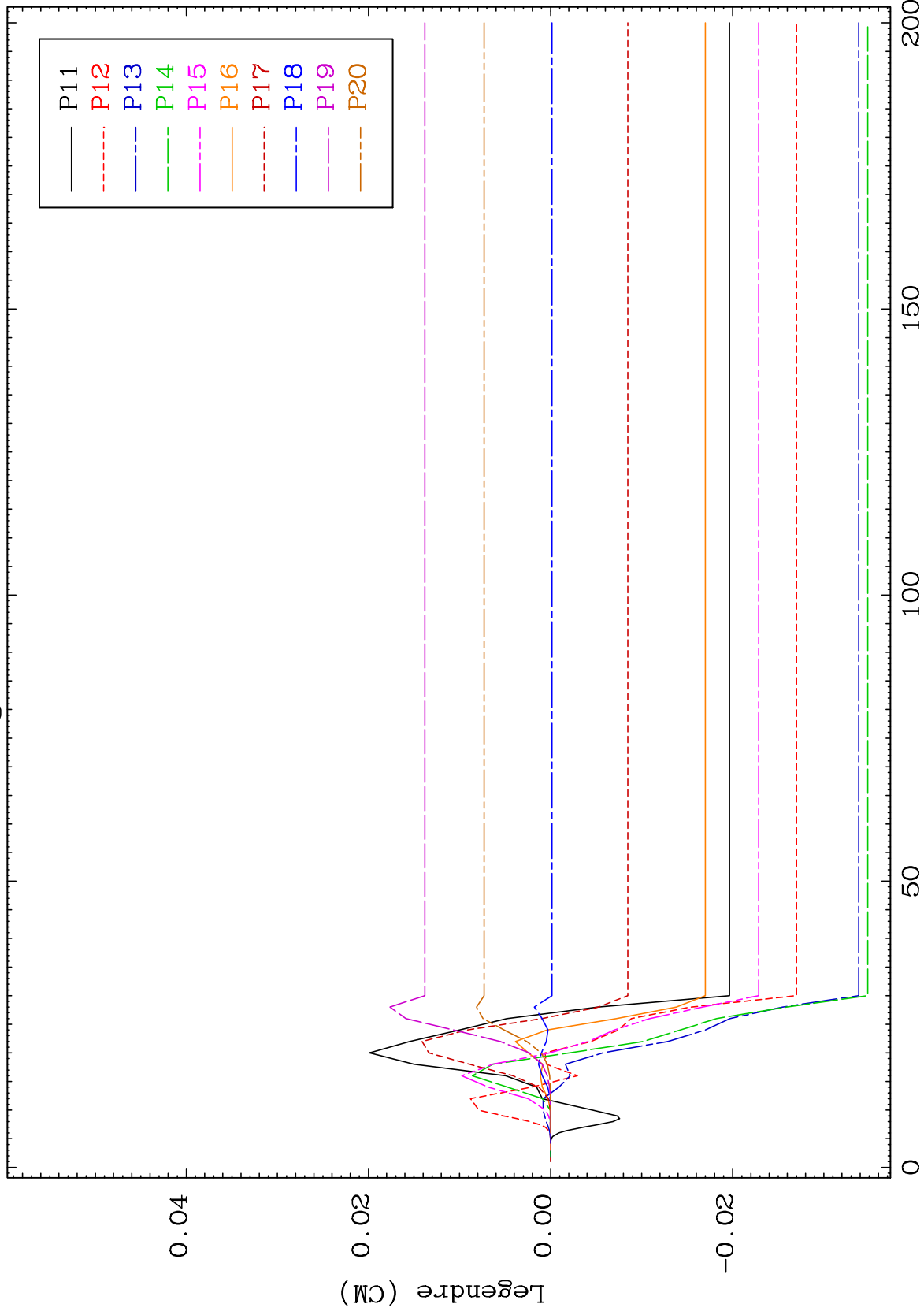
81-Tl-187



MAT 8077

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

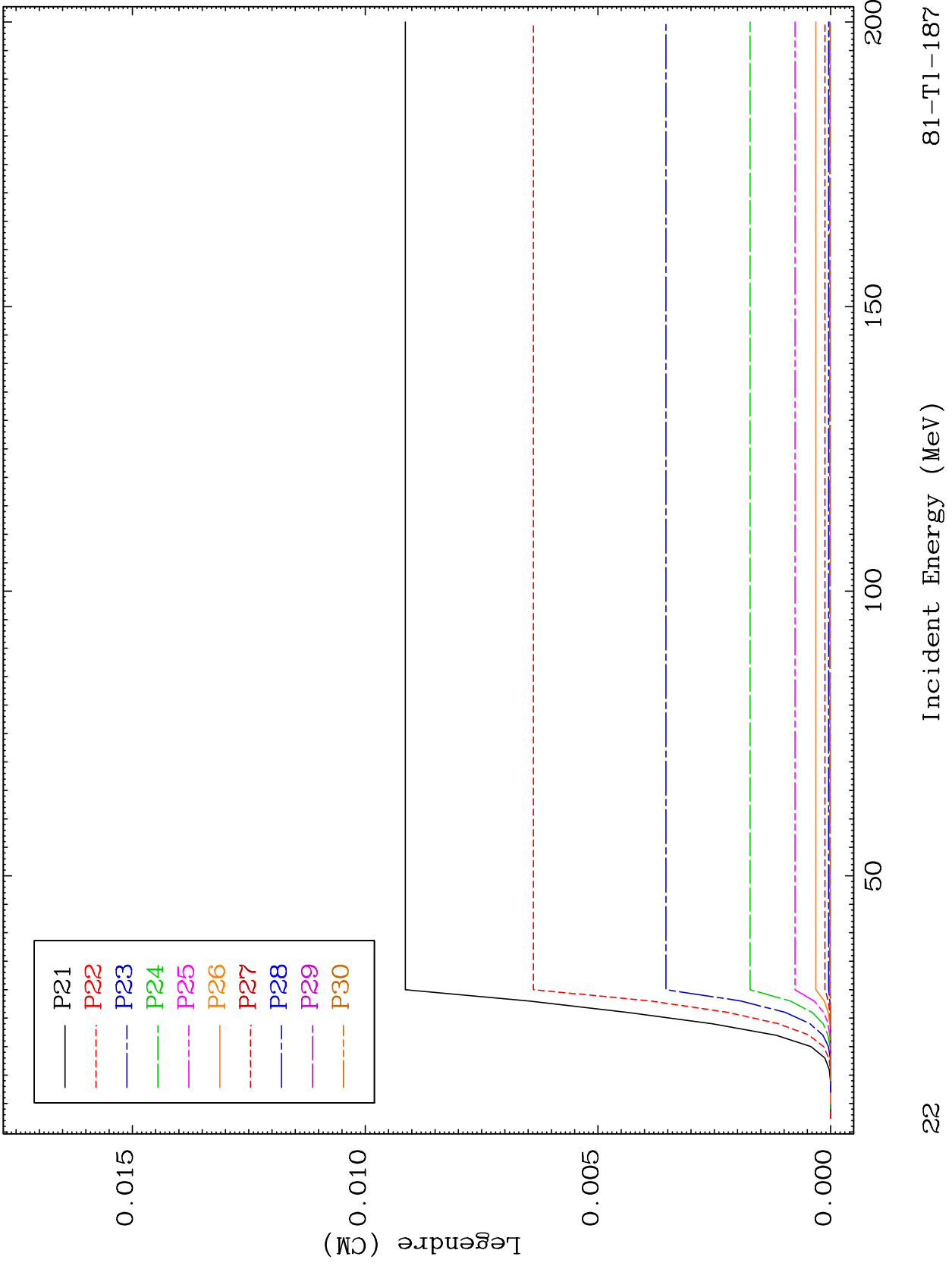
81-Tl-187



21

Incident Energy (MeV)

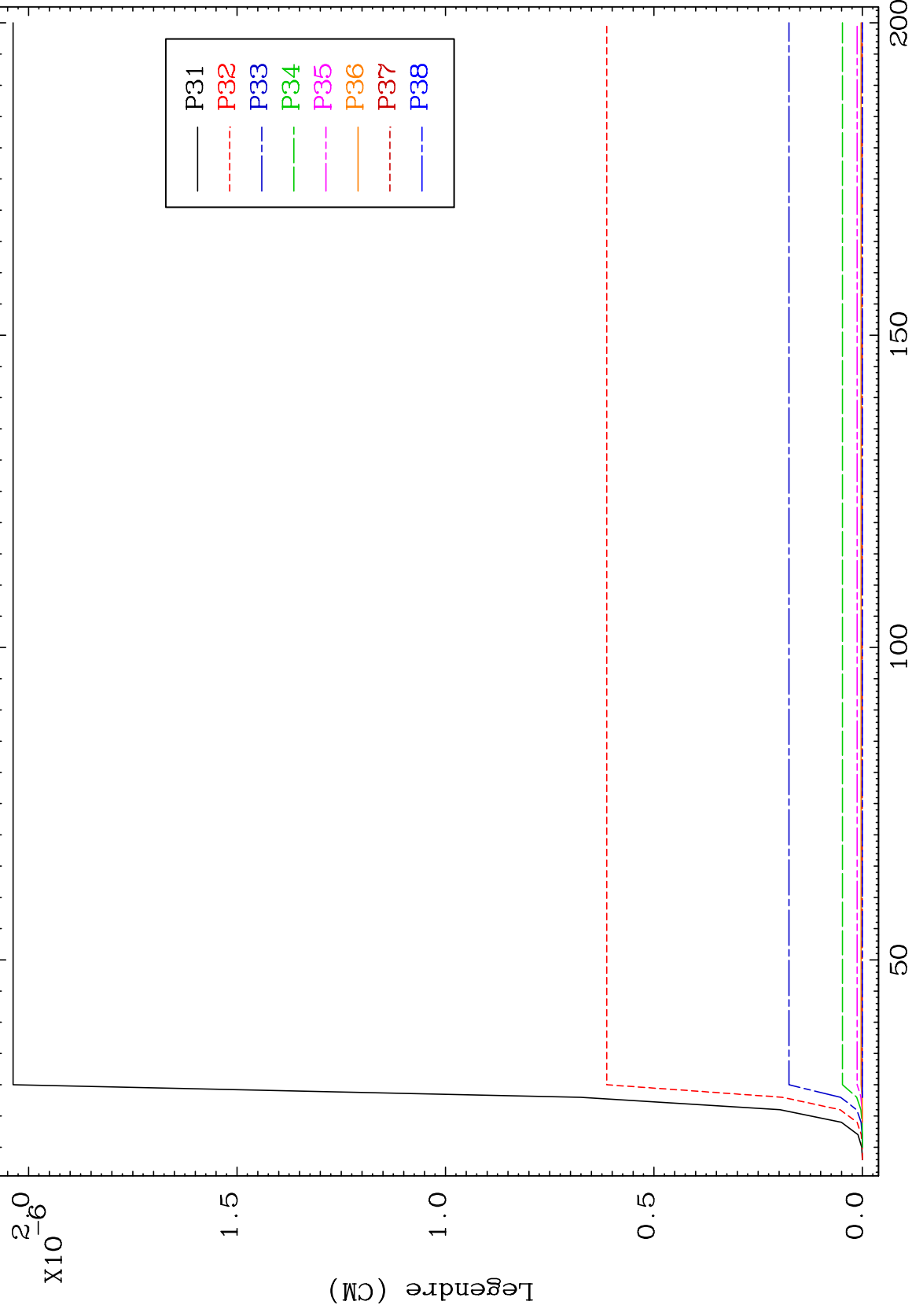
81-Tl-187



MAT 8077

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

81-Tl-187



23

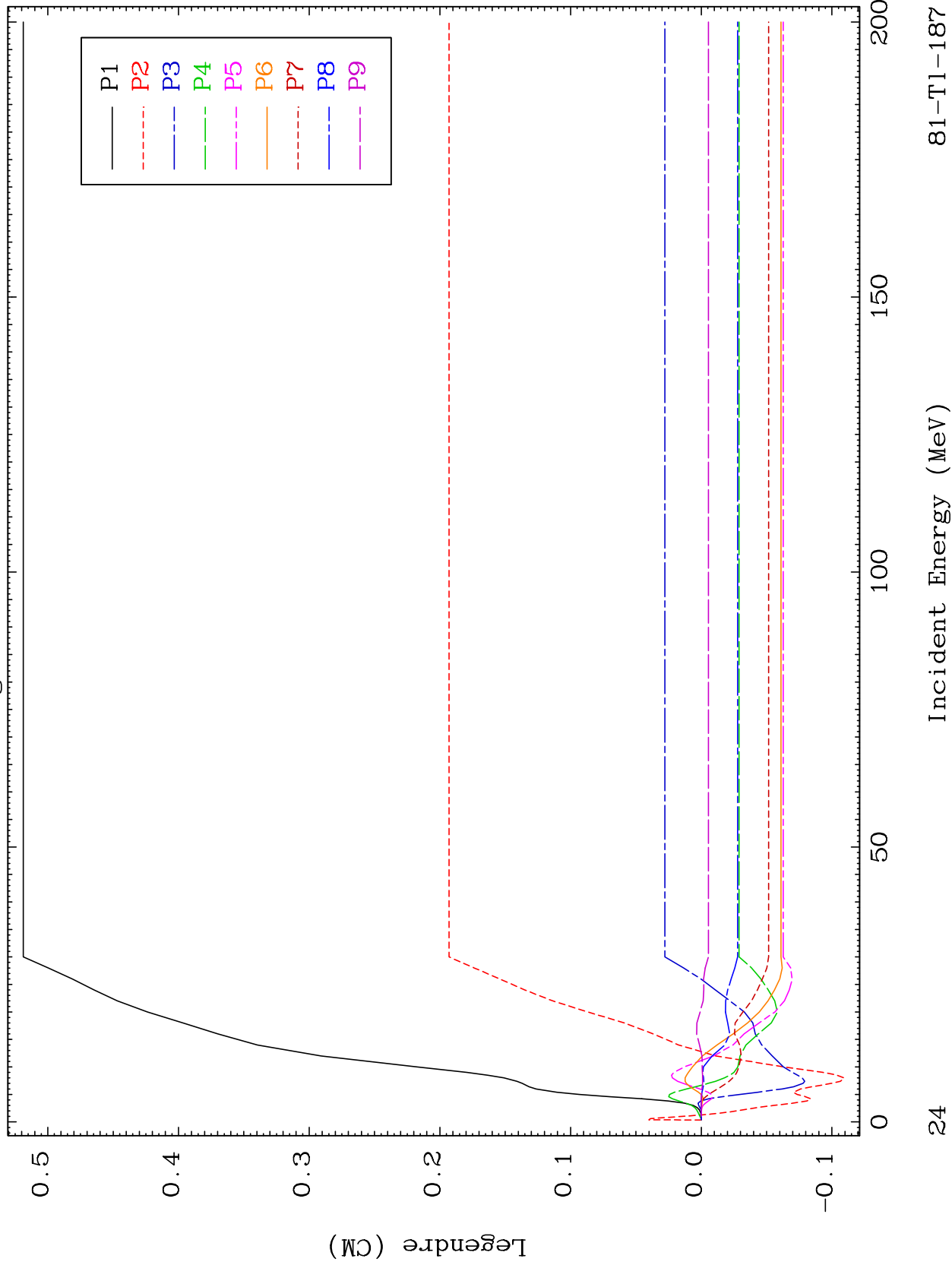
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

81-Tl-187



81-Tl-187

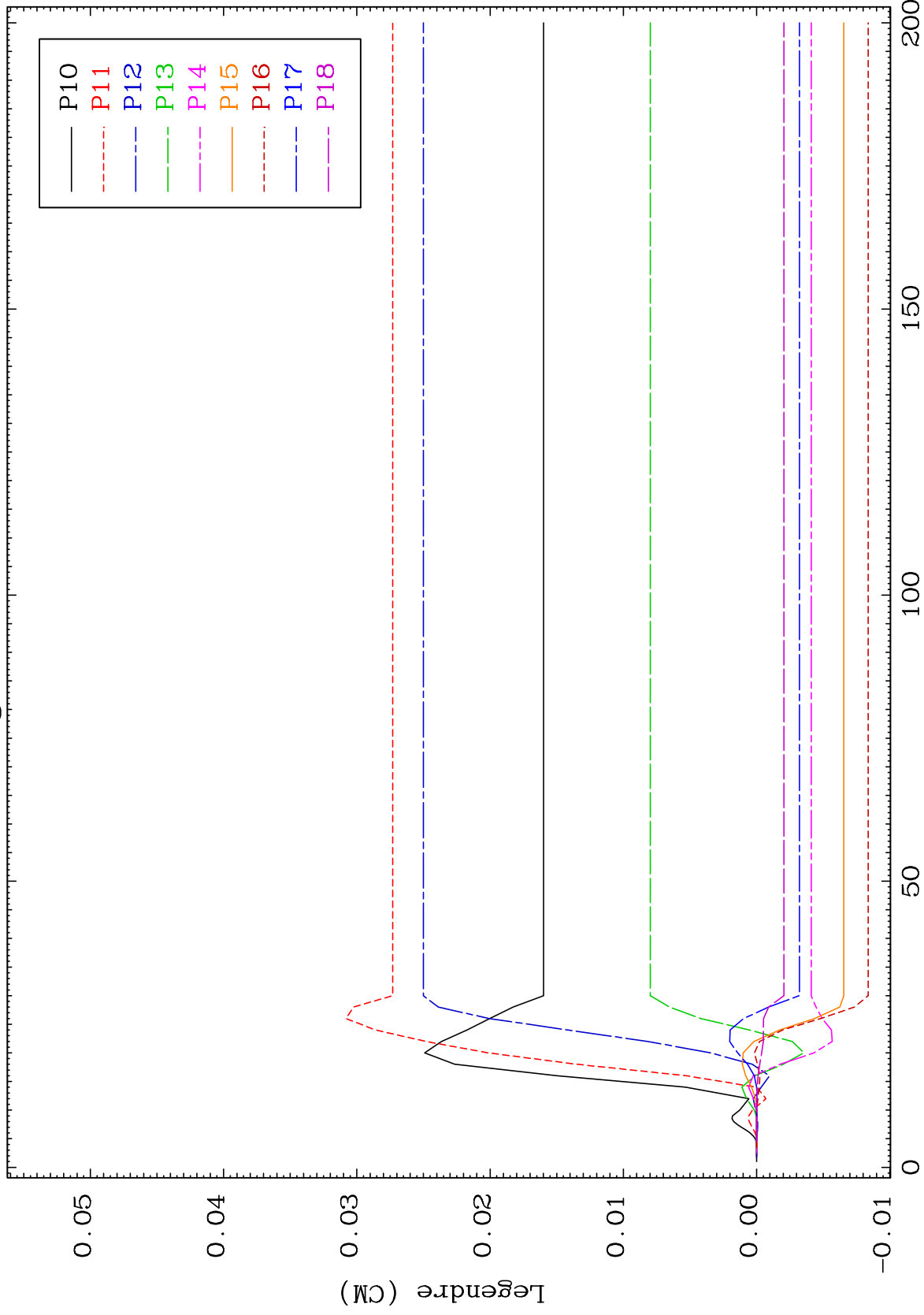
Incident Energy (MeV)

24

MAT 8077

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

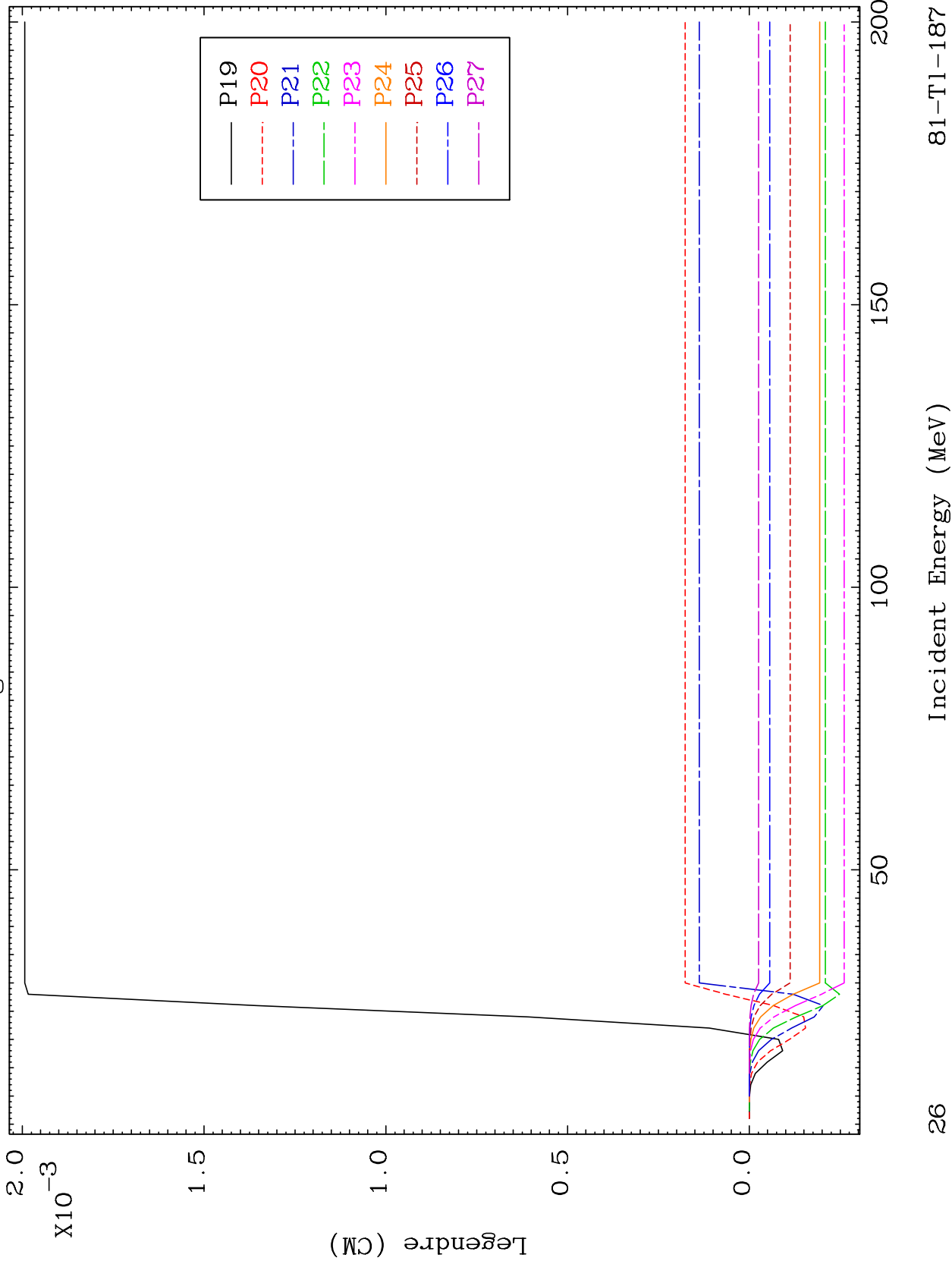
81-T1-187

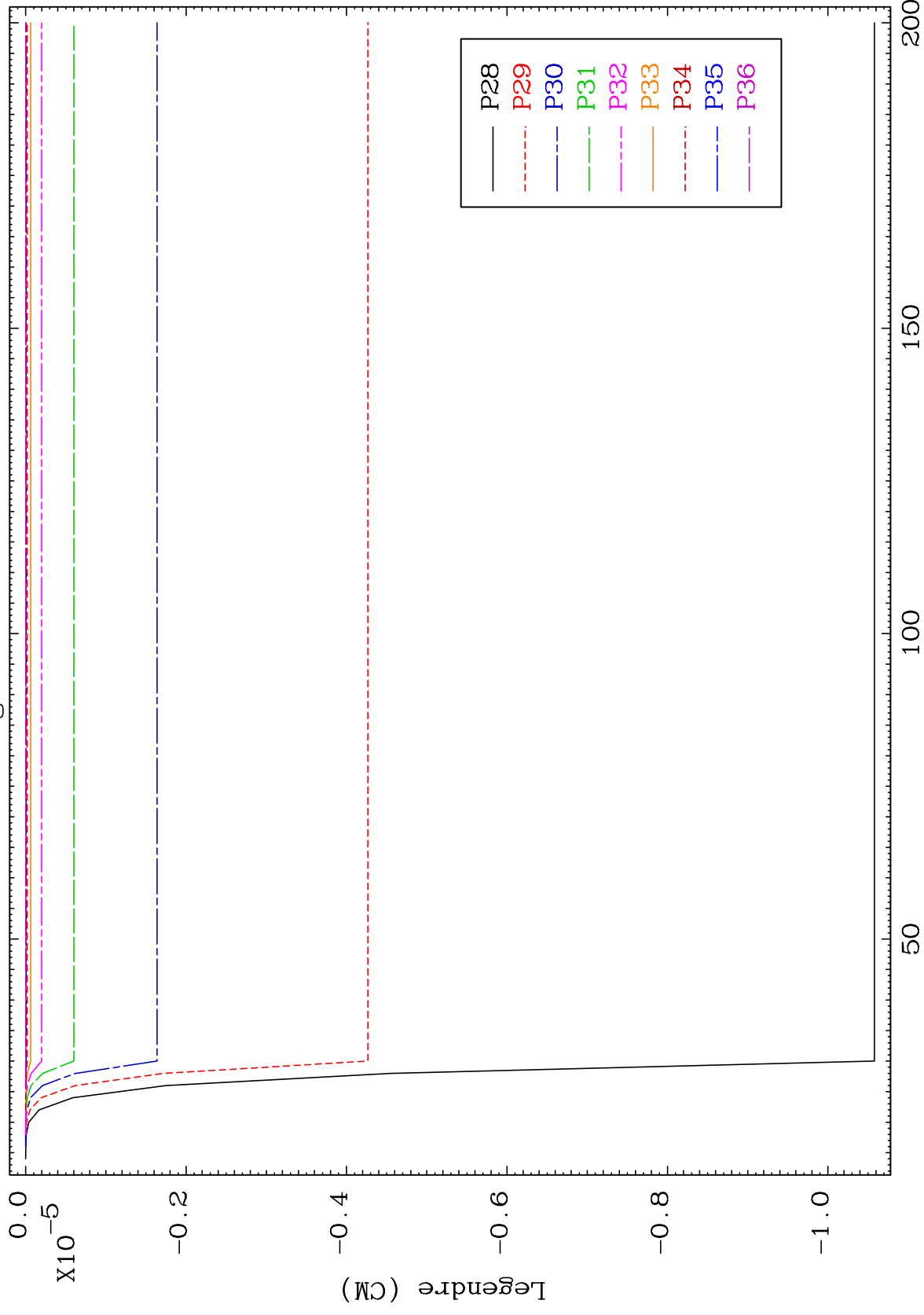


25

Incident Energy (MeV)

81-T1-187

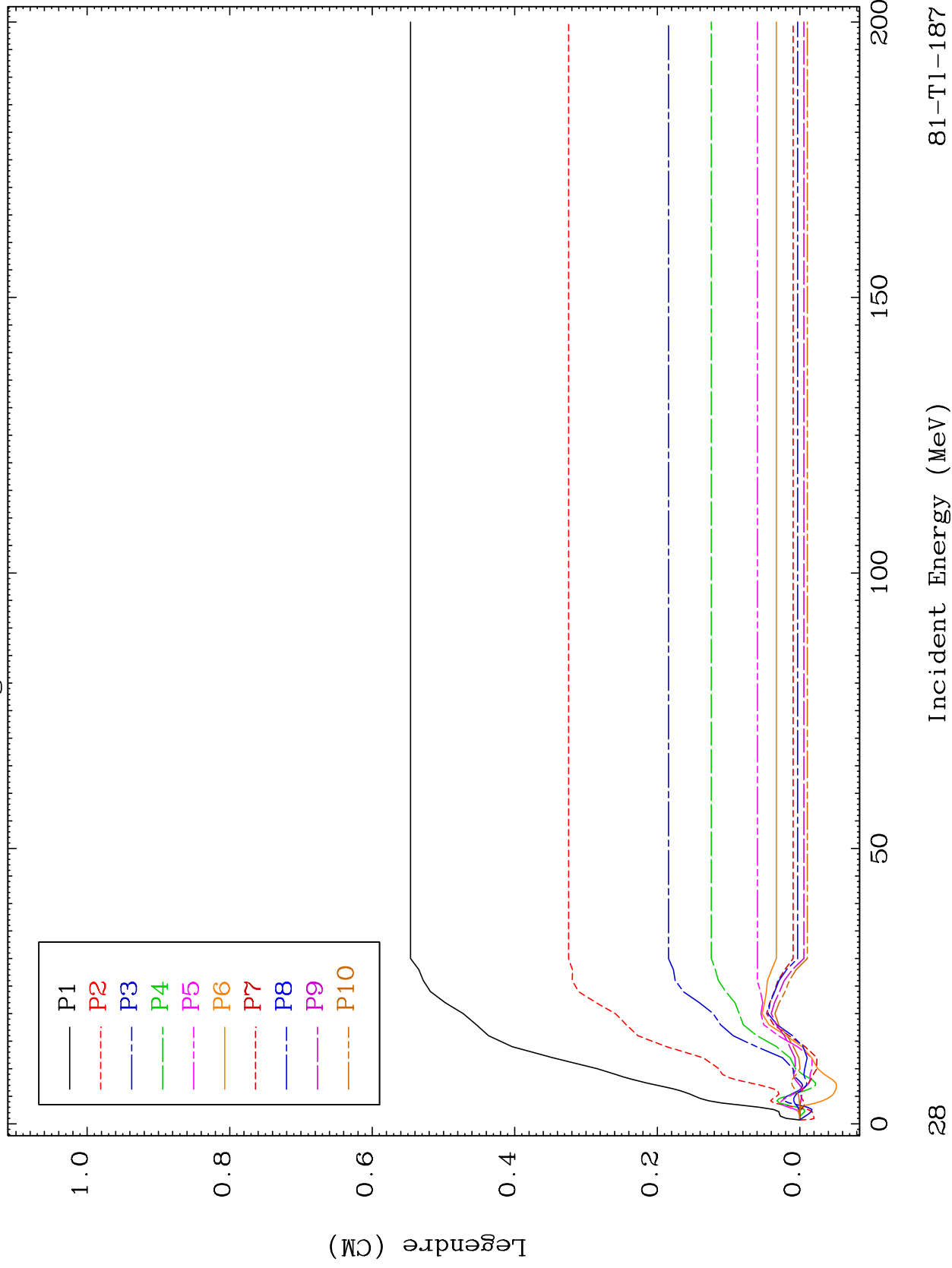




MAT 8077

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

81-Tl-187



81-Tl-187

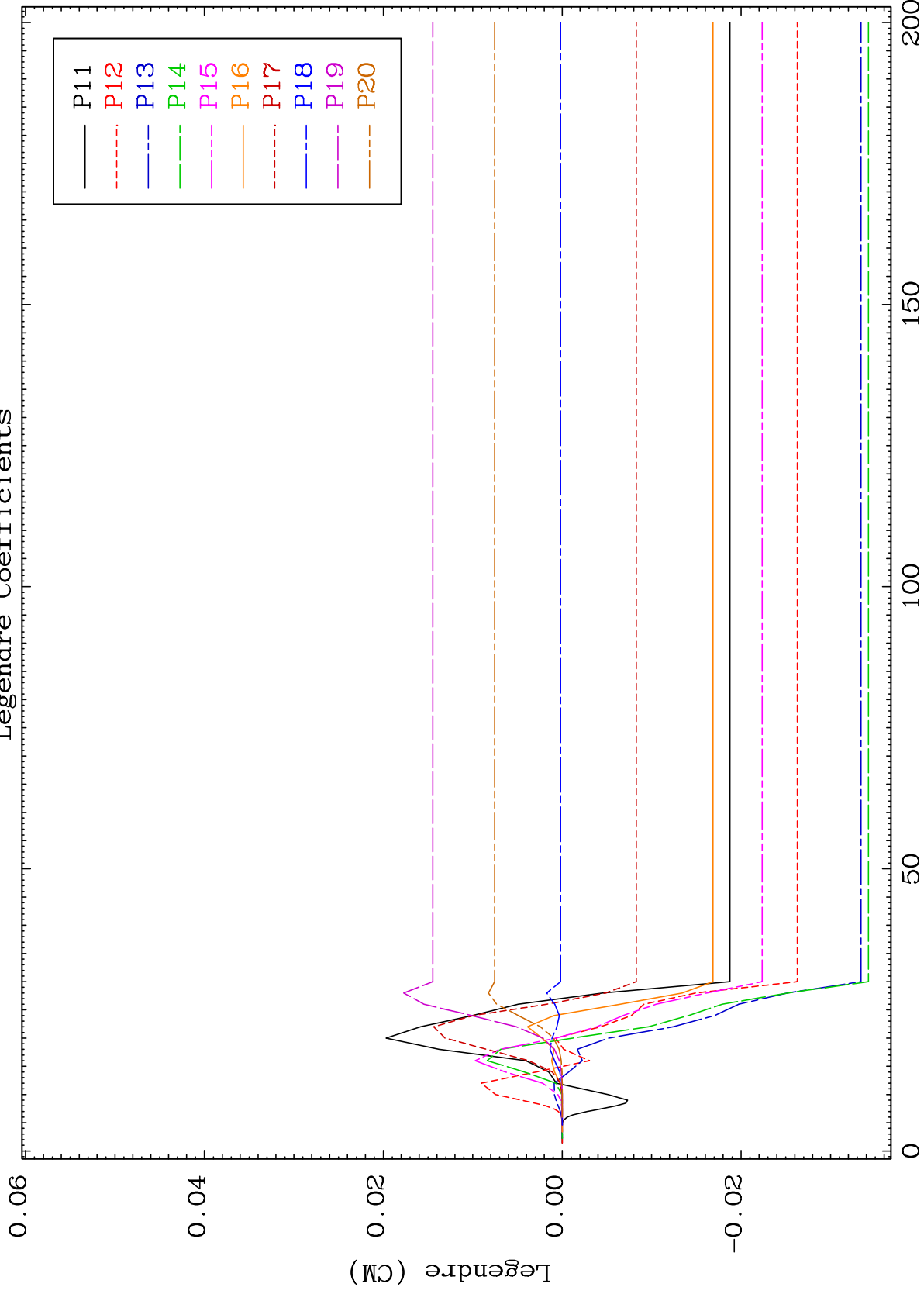
Incident Energy (MeV)

28

MAT 80777

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

81-T1-187



29

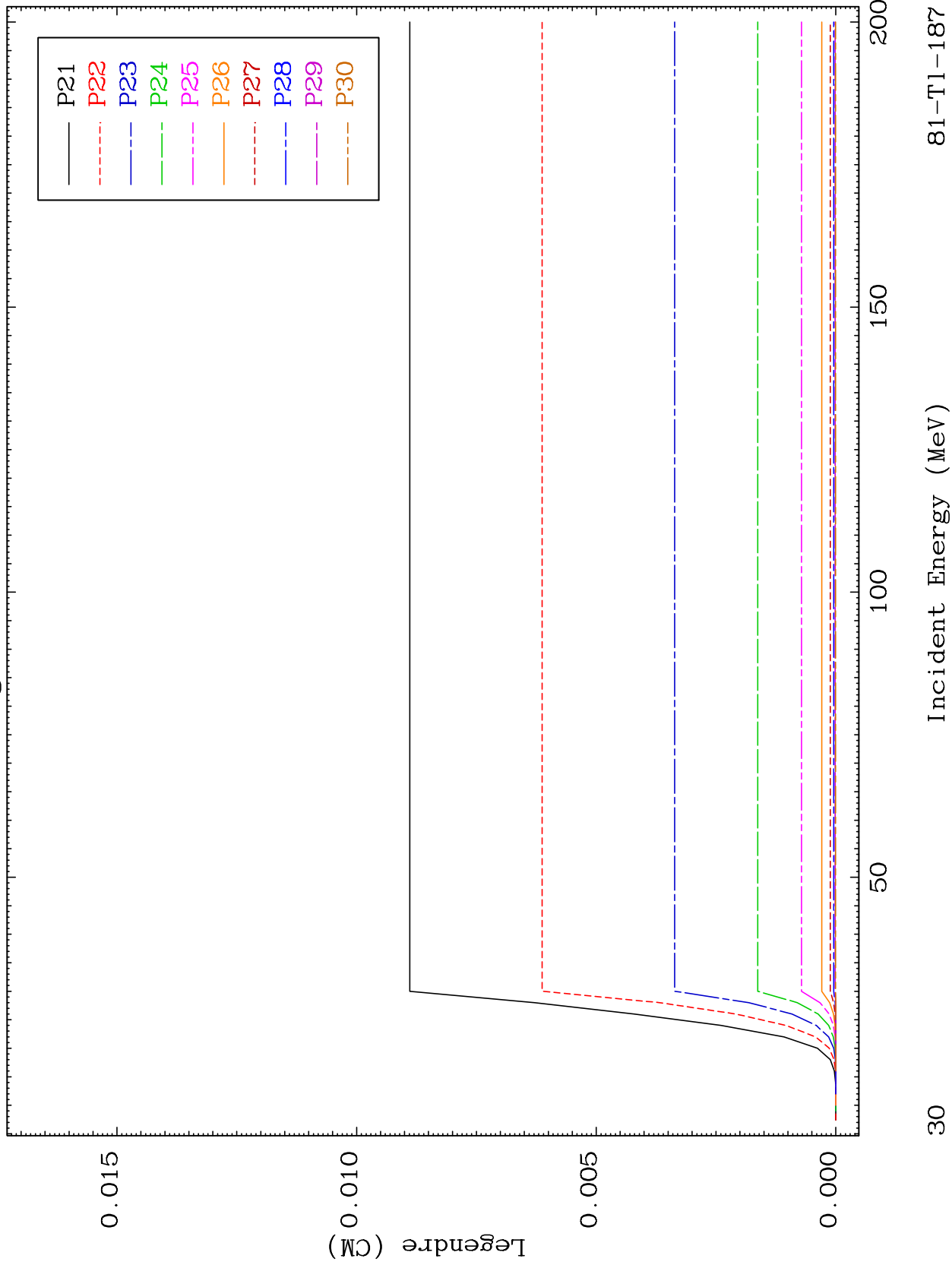
Incident Energy (MeV)

81-T1-187

MAT 8077

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

81-T1-187



81-T1-187

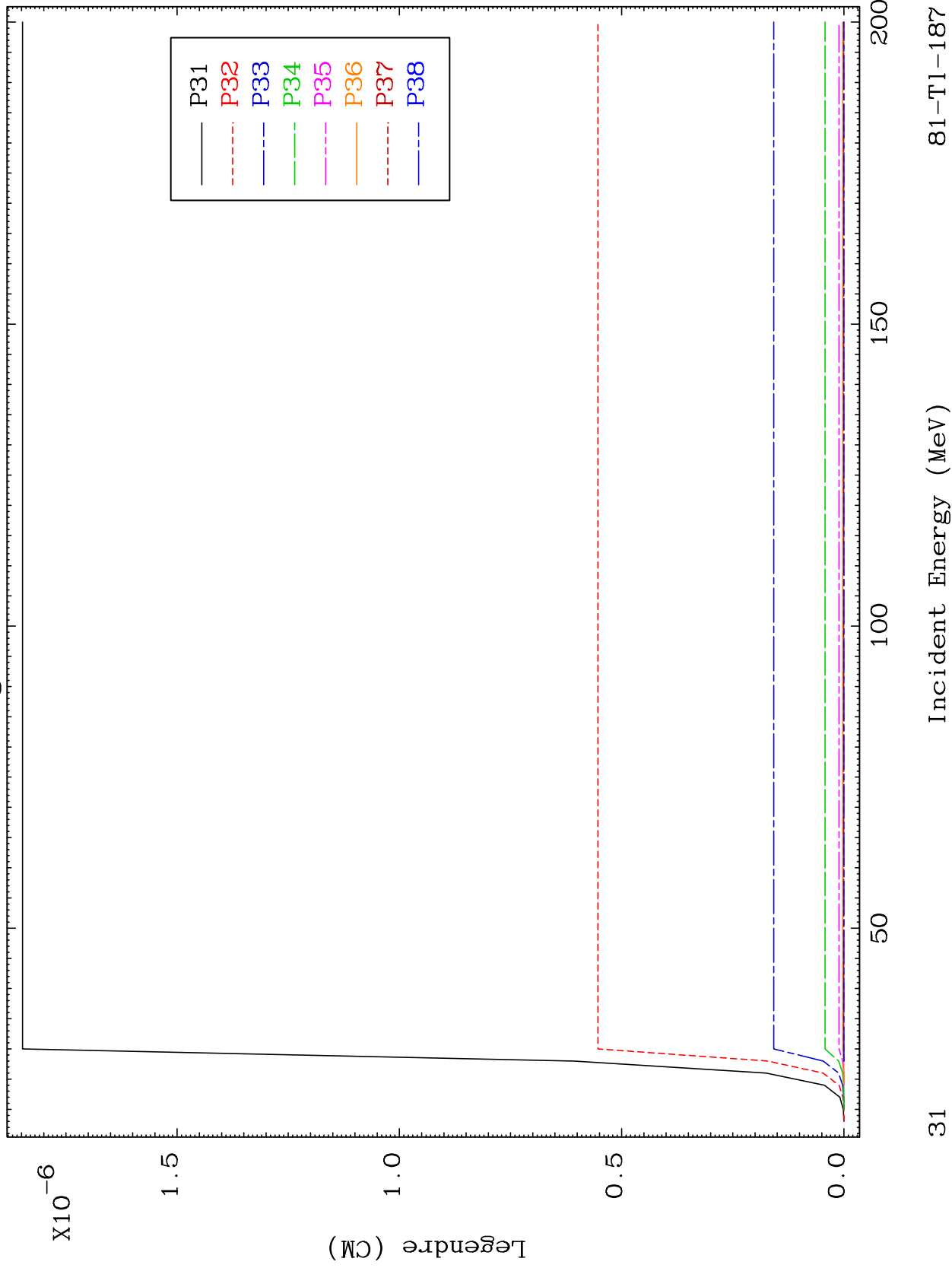
Incident Energy (MeV)

30

MAT 8077

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

81-Tl-187



31

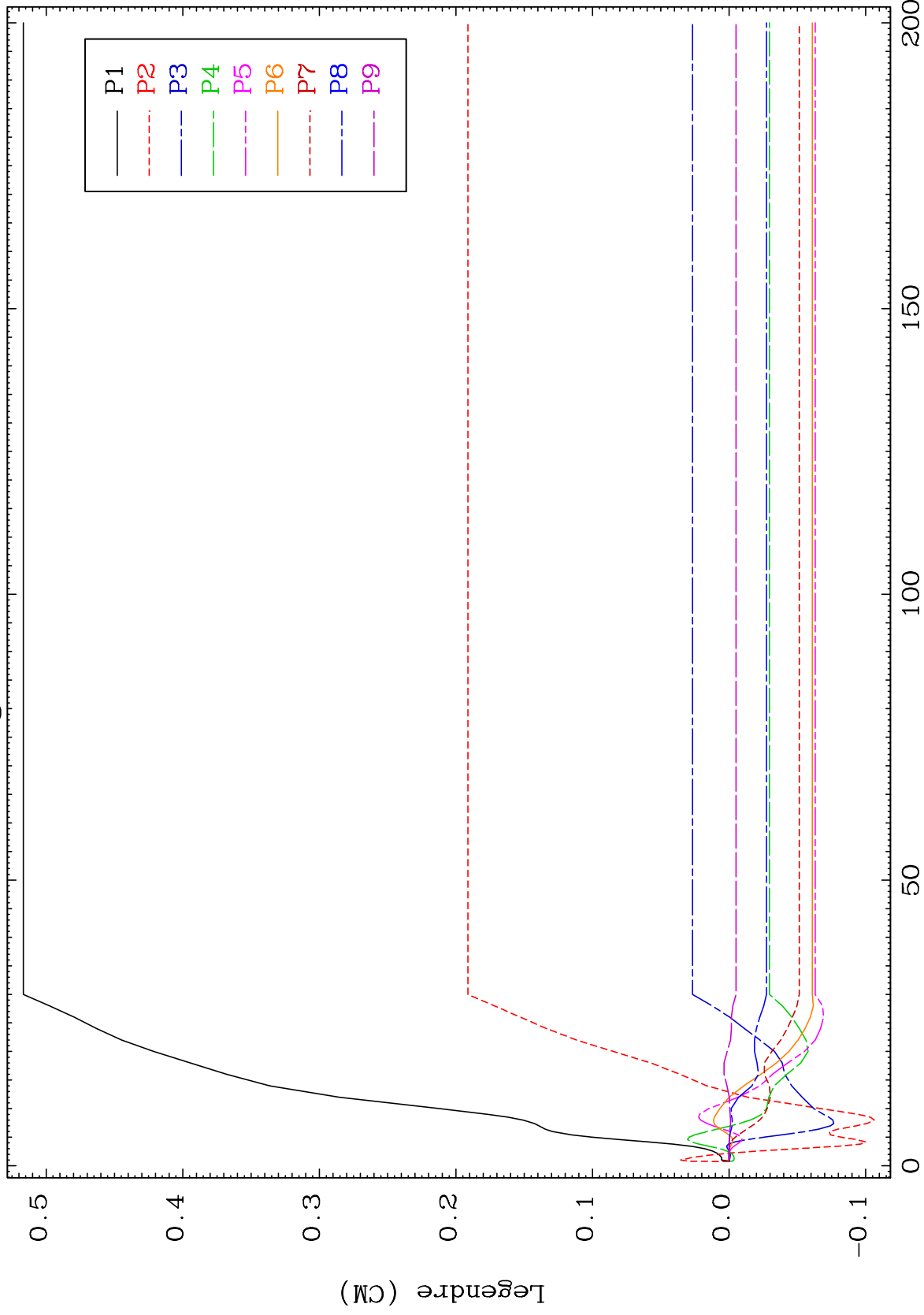
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

81-Tl-187



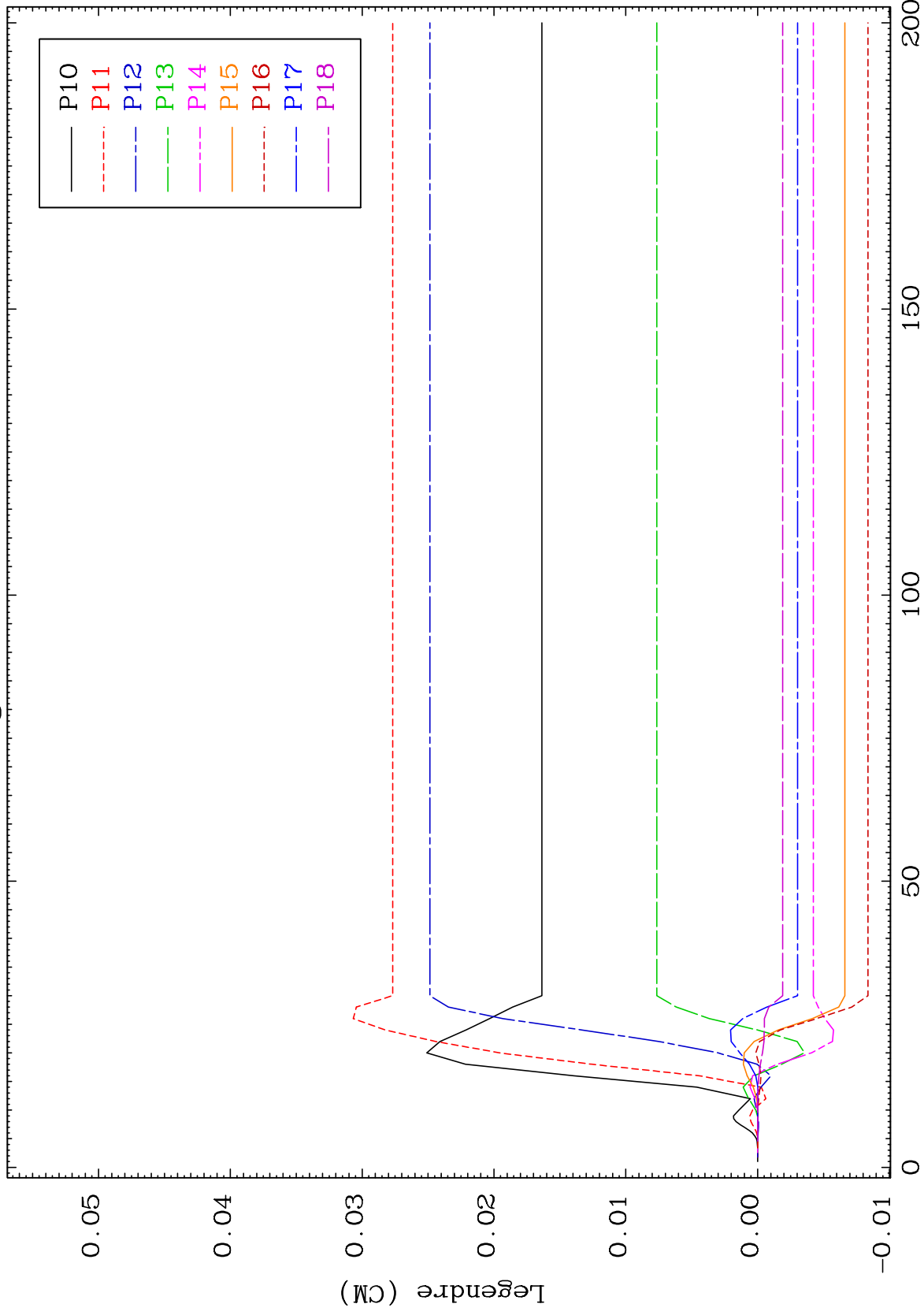
32

81-Tl-187

MAT 8077

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

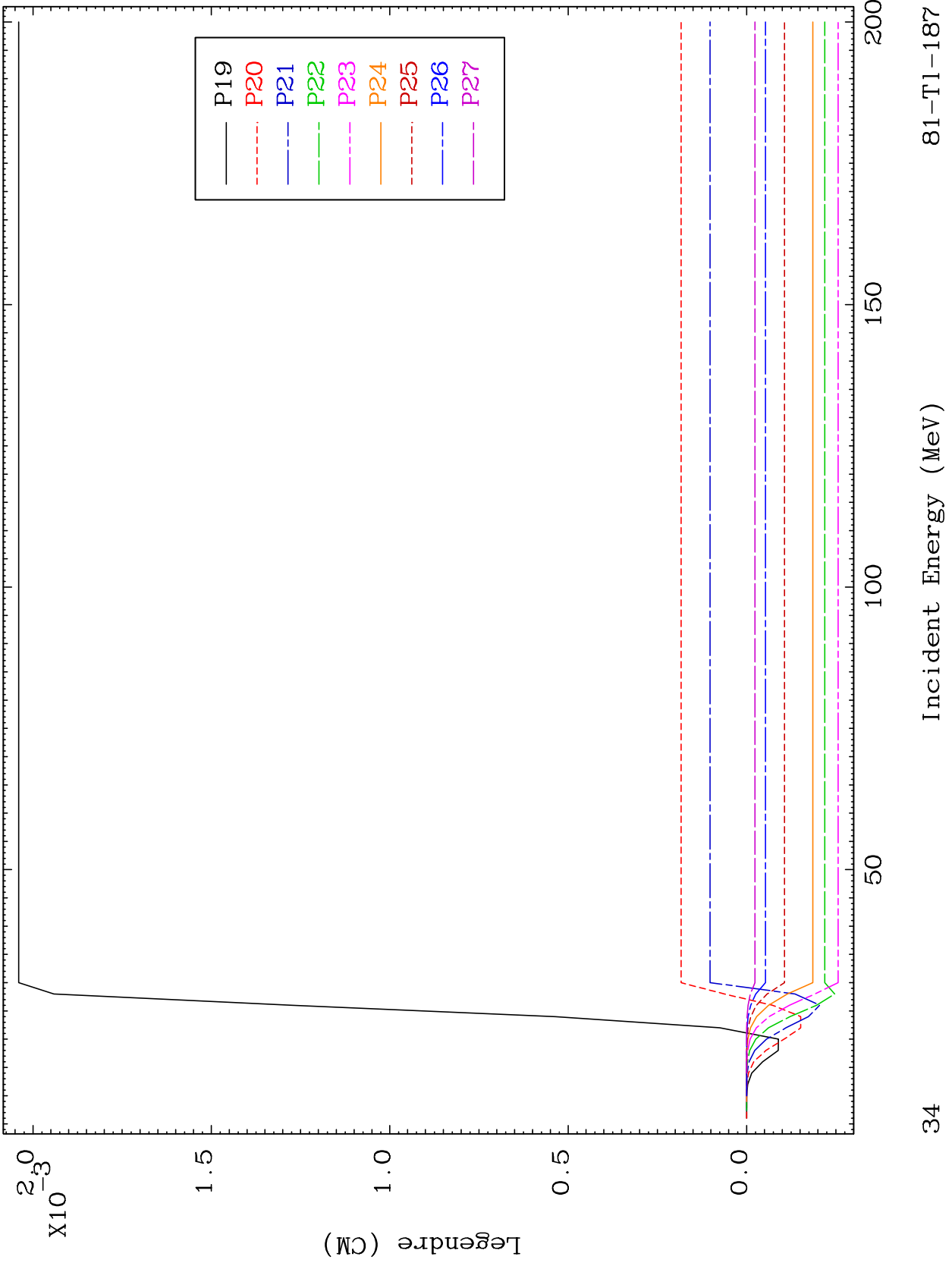
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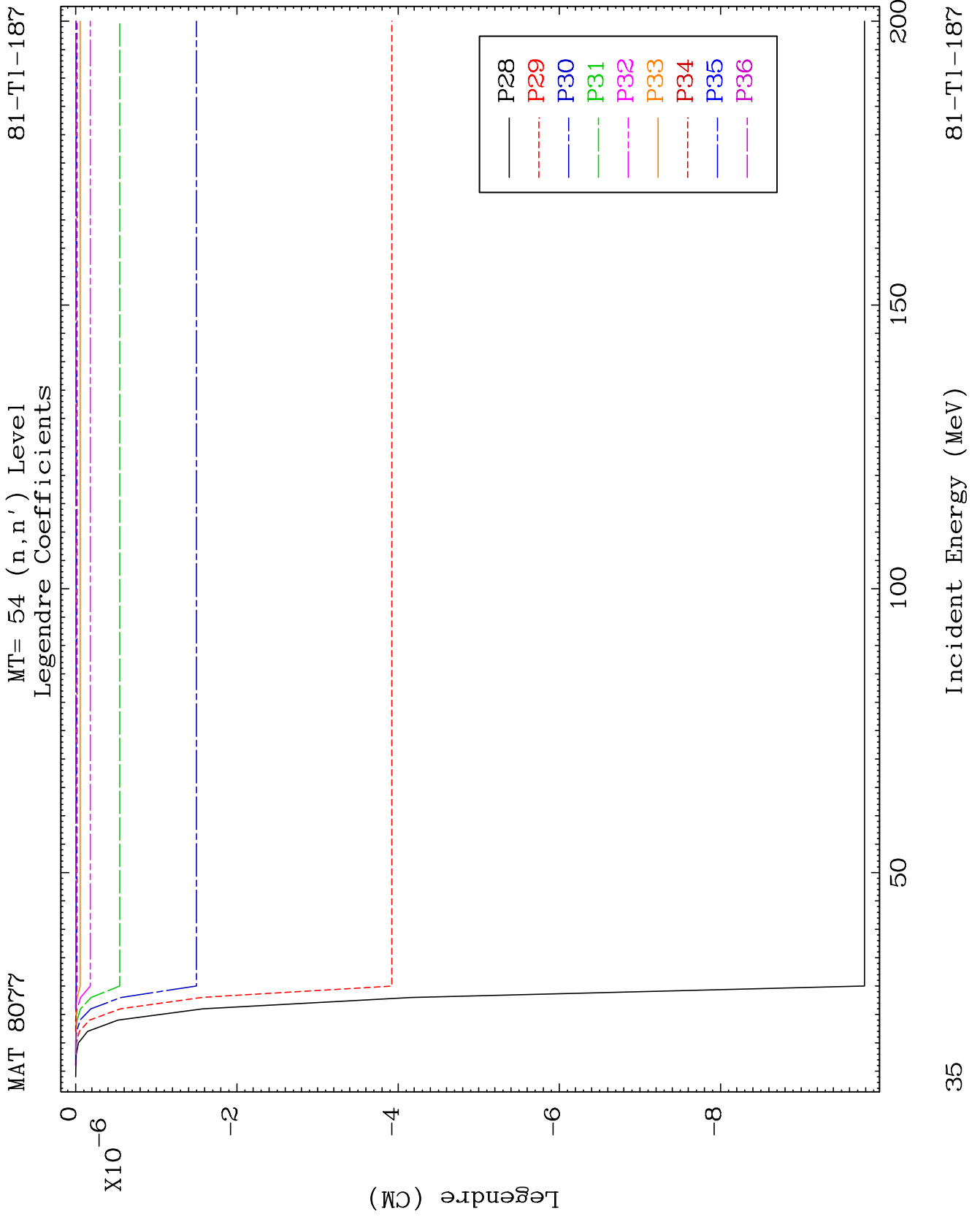


33

Incident Energy (MeV)

81-T1-187

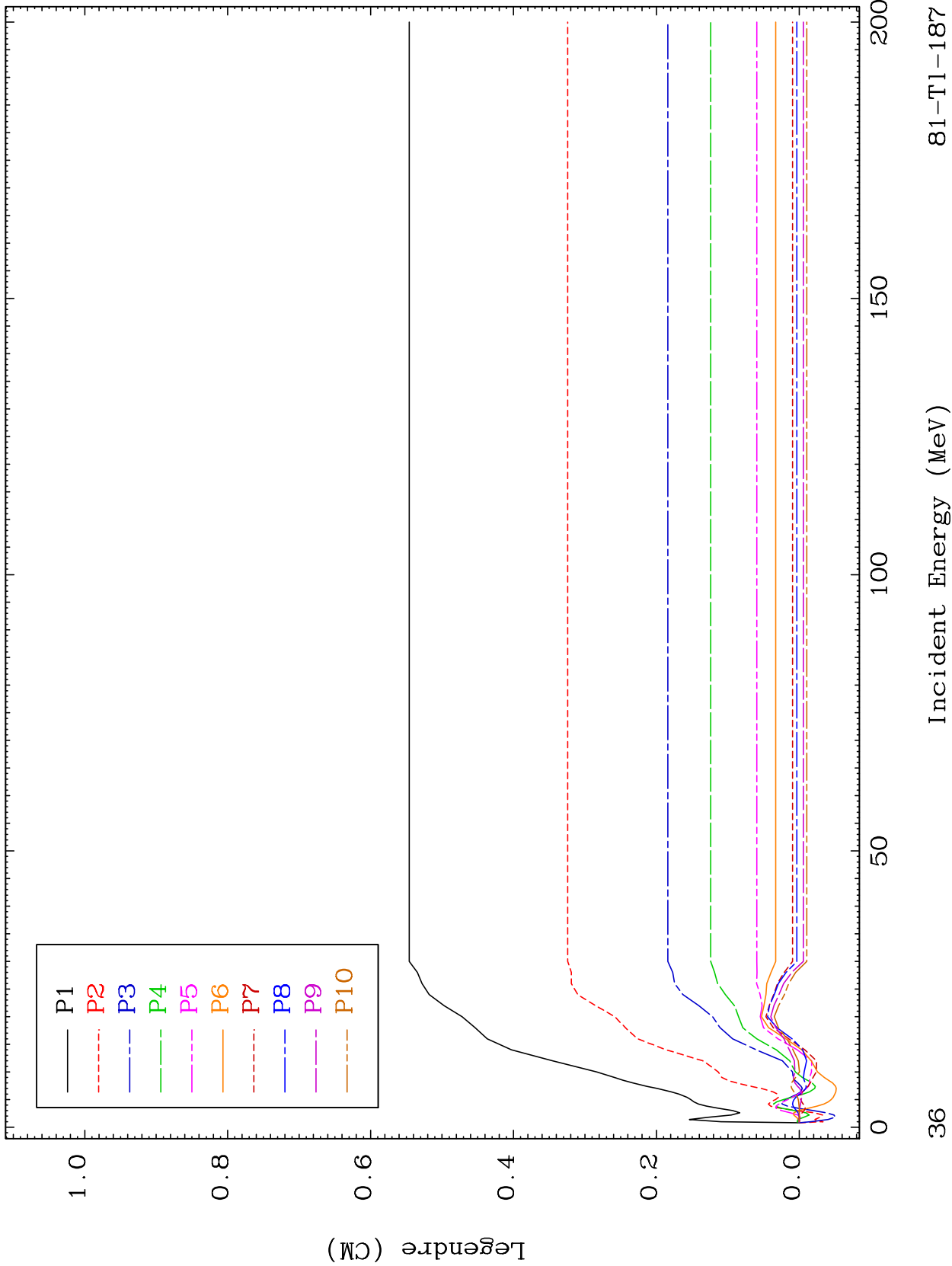




MAT 8077

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

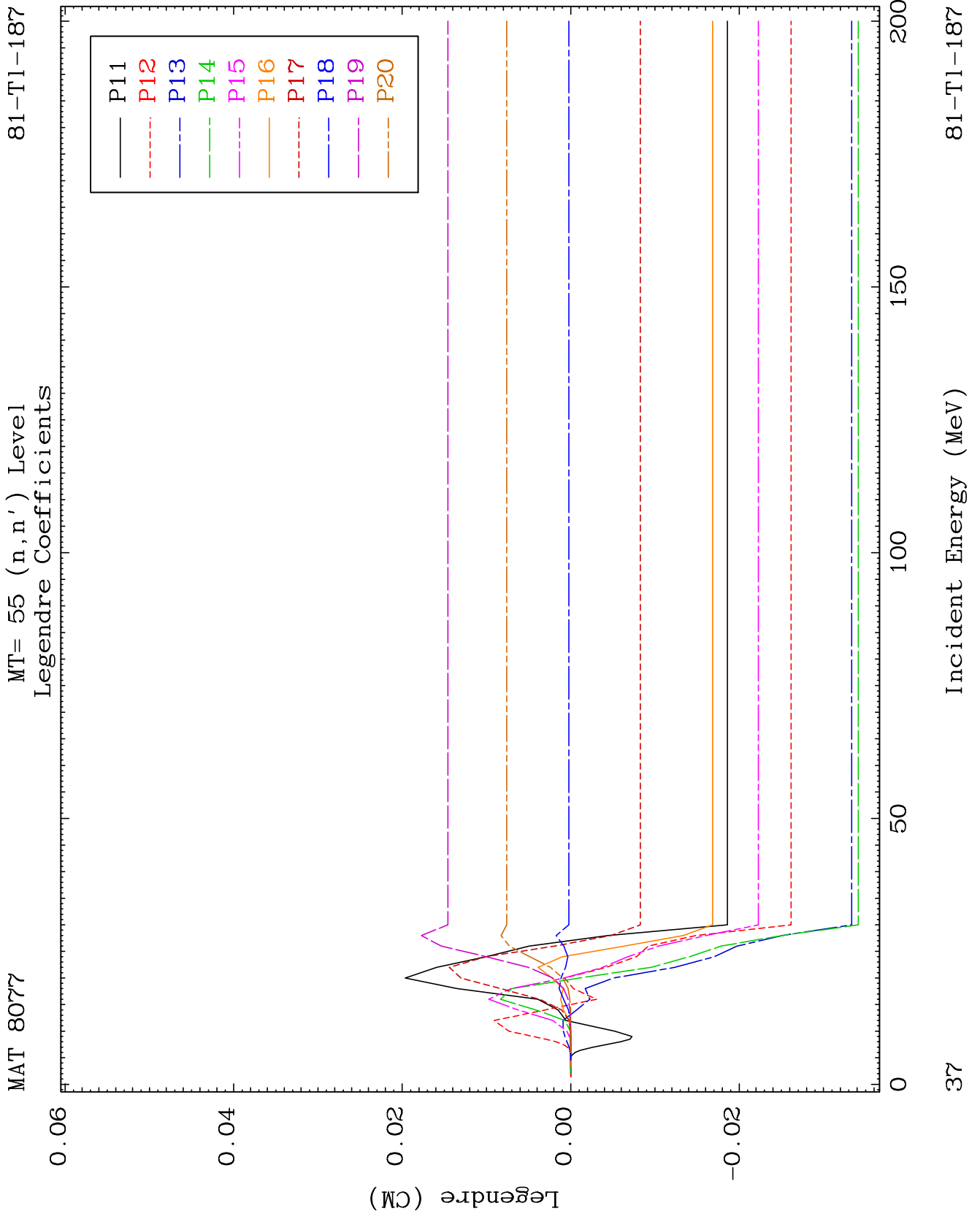
81-Tl-187

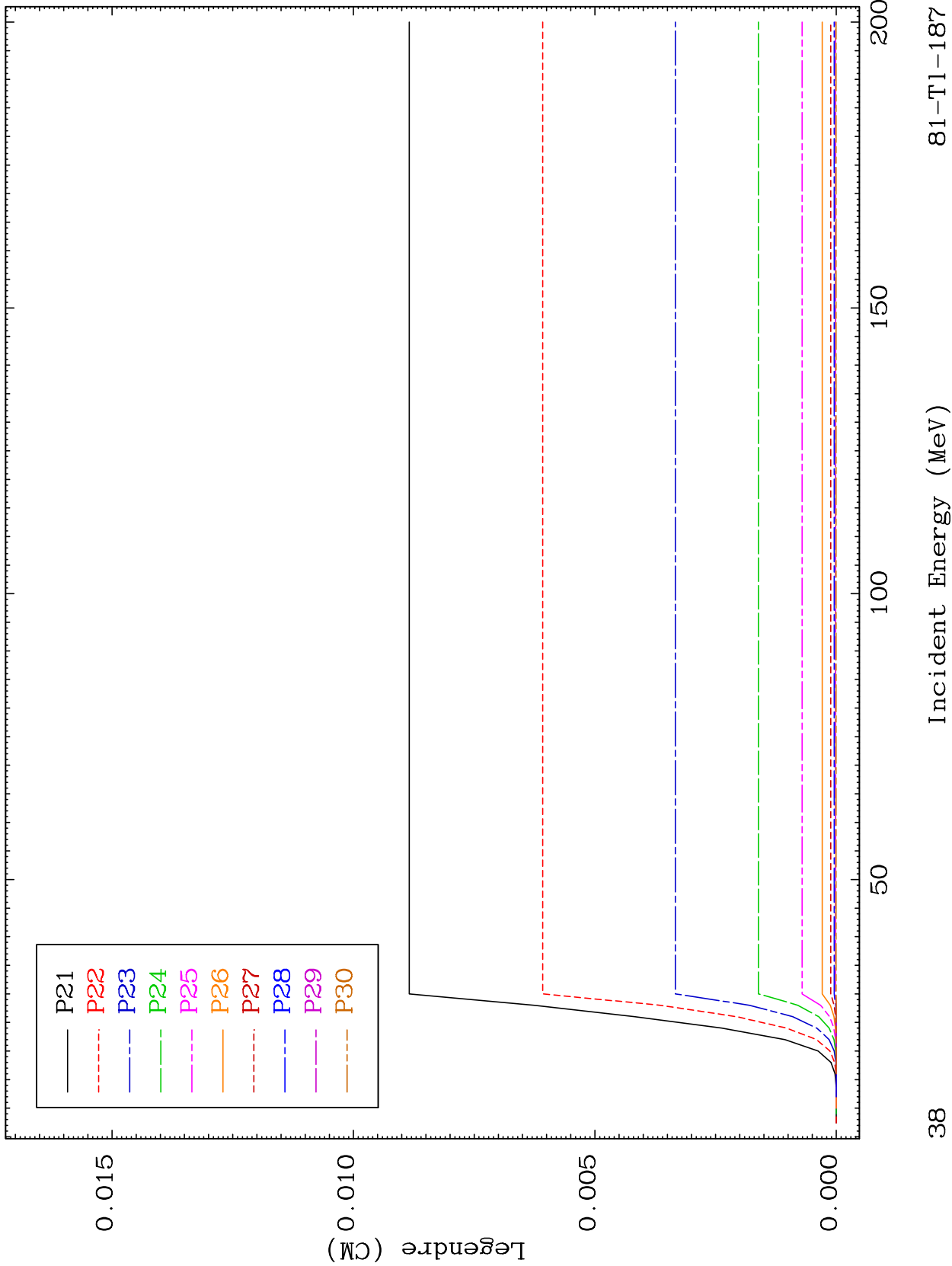


36

Incident Energy (MeV)

81-Tl-187

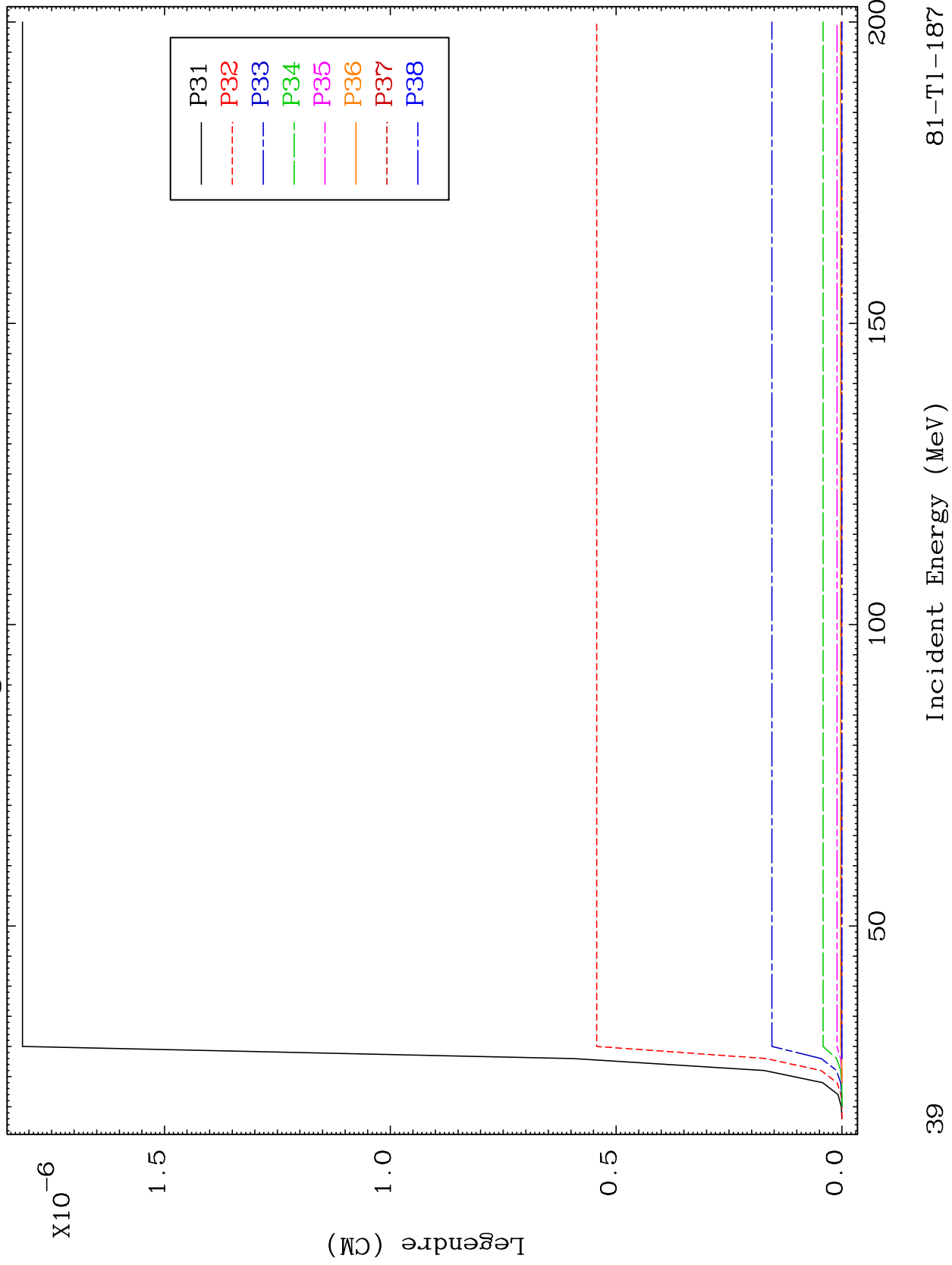




MAT 8077

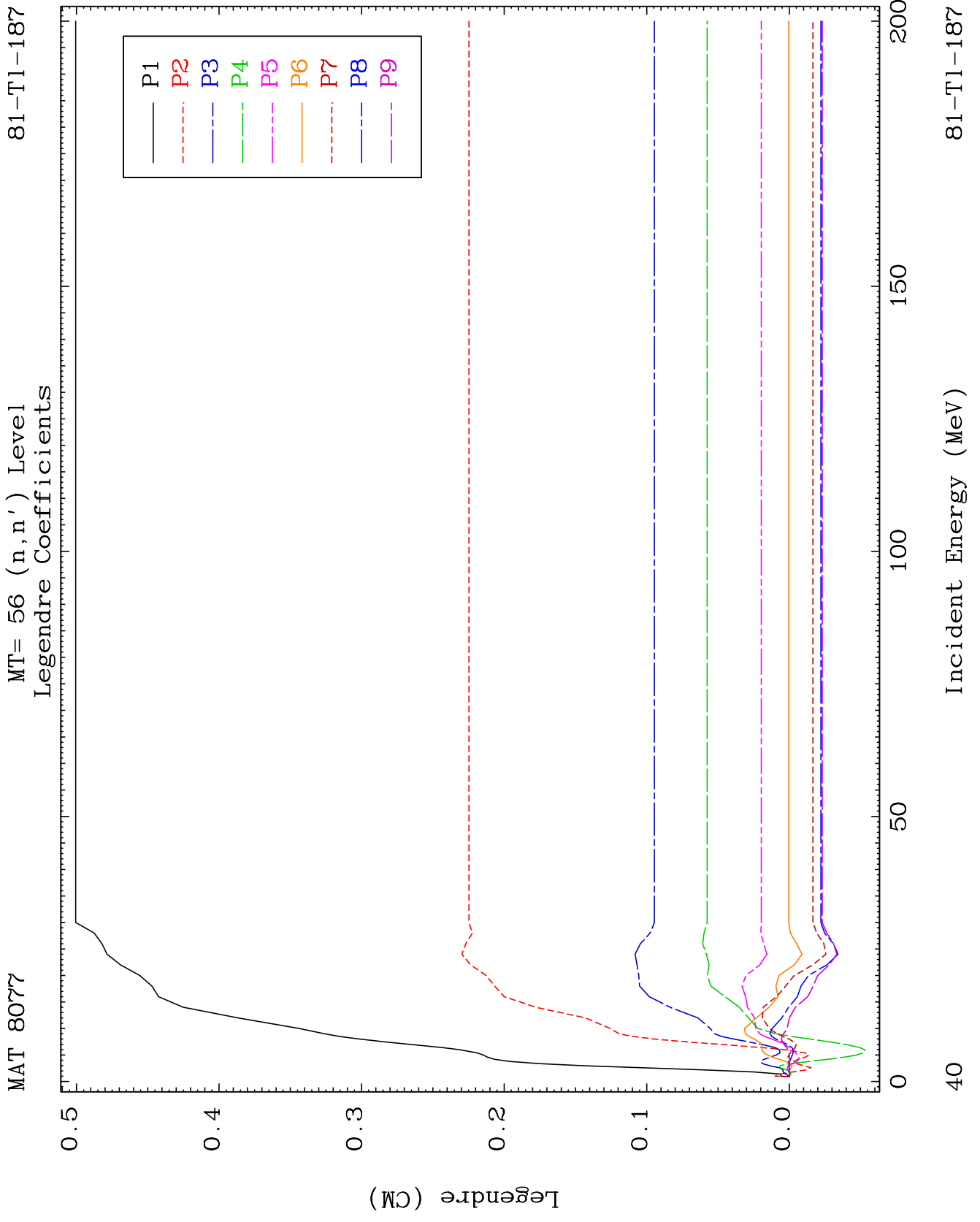
MT= 55 (n,n') Level
Legendre Coefficients

81-Tl-187



39

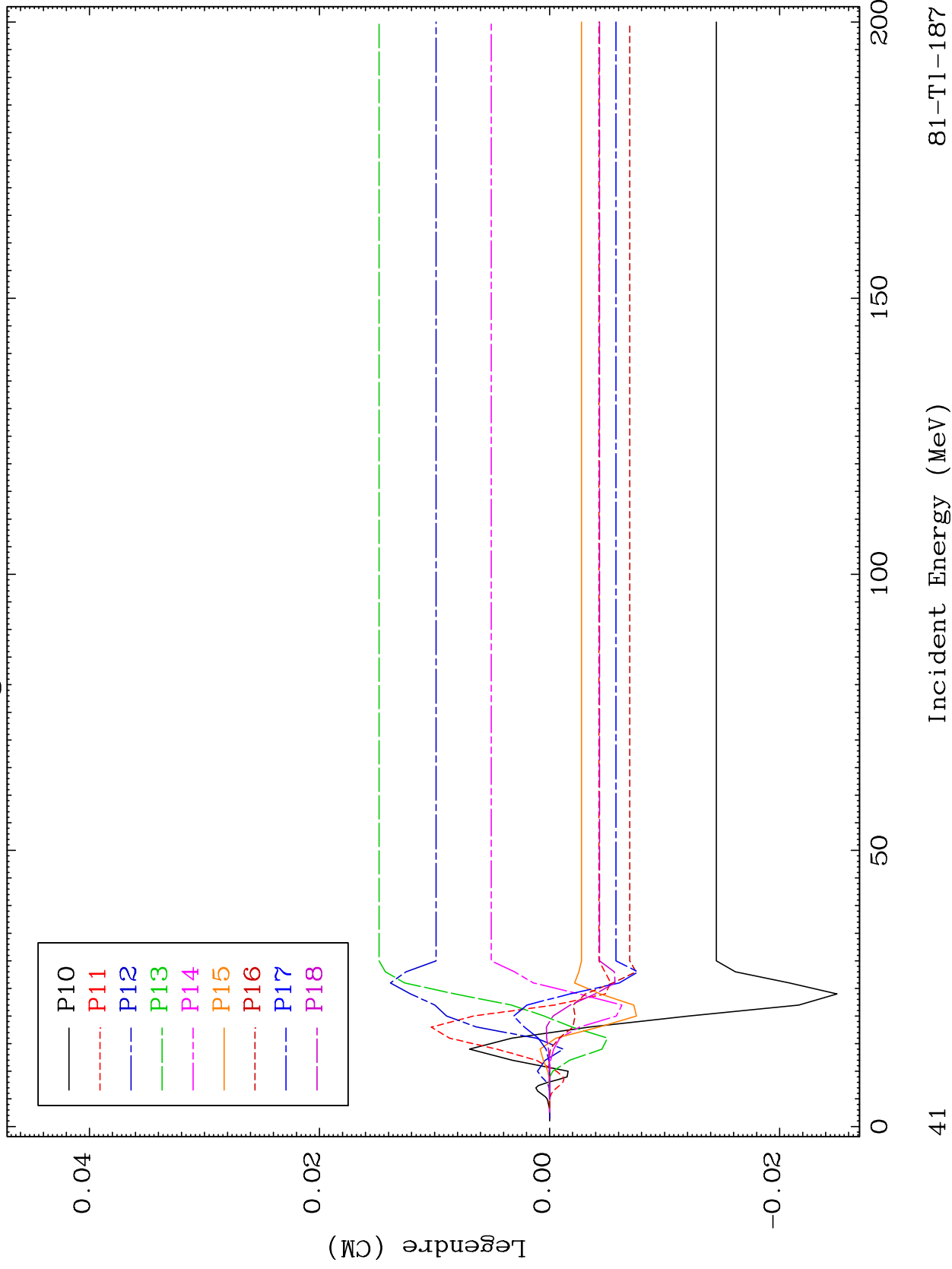
81-Tl-187



MAT 8077

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

81-Tl-187



41

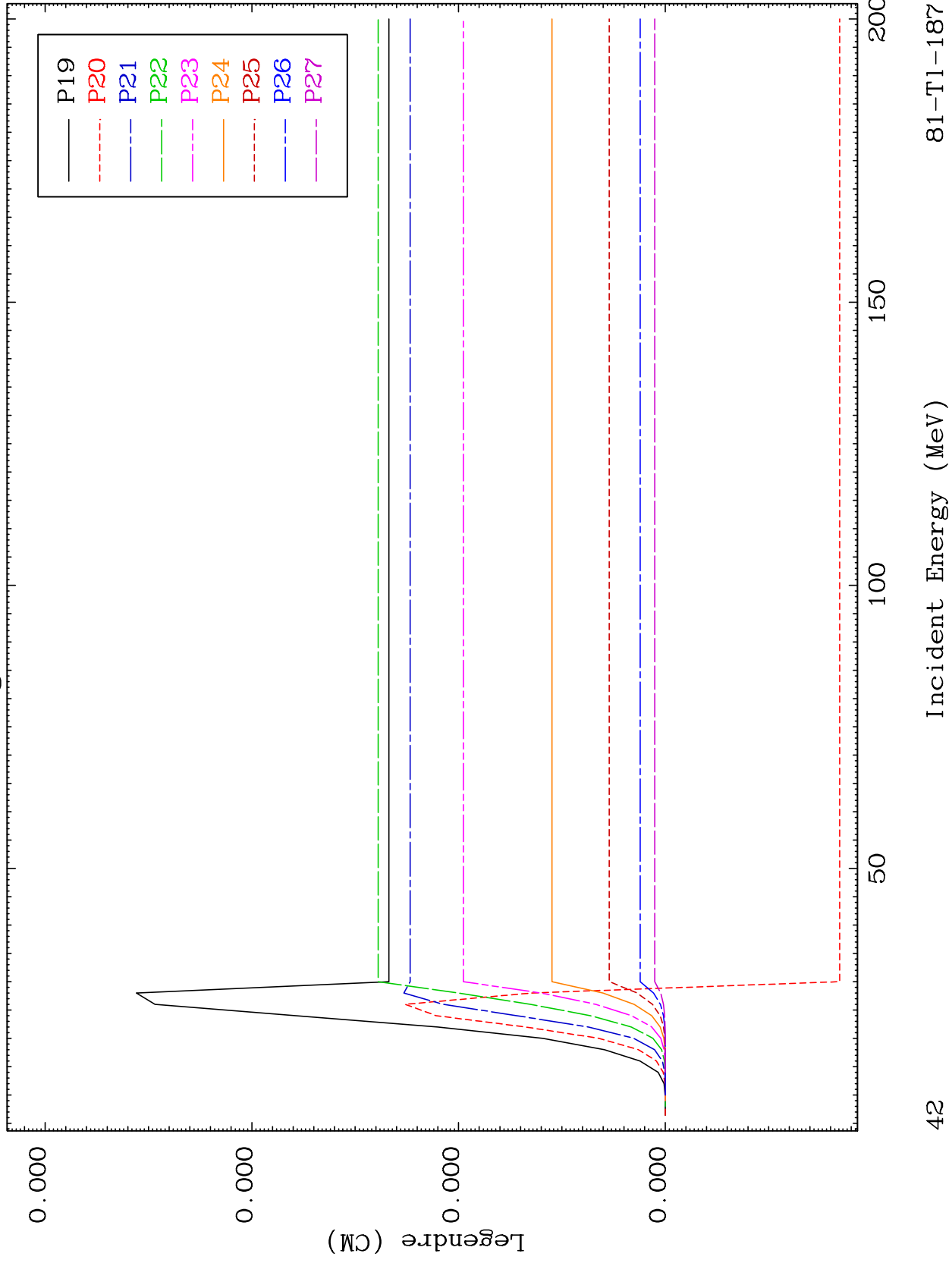
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

81-Tl-187



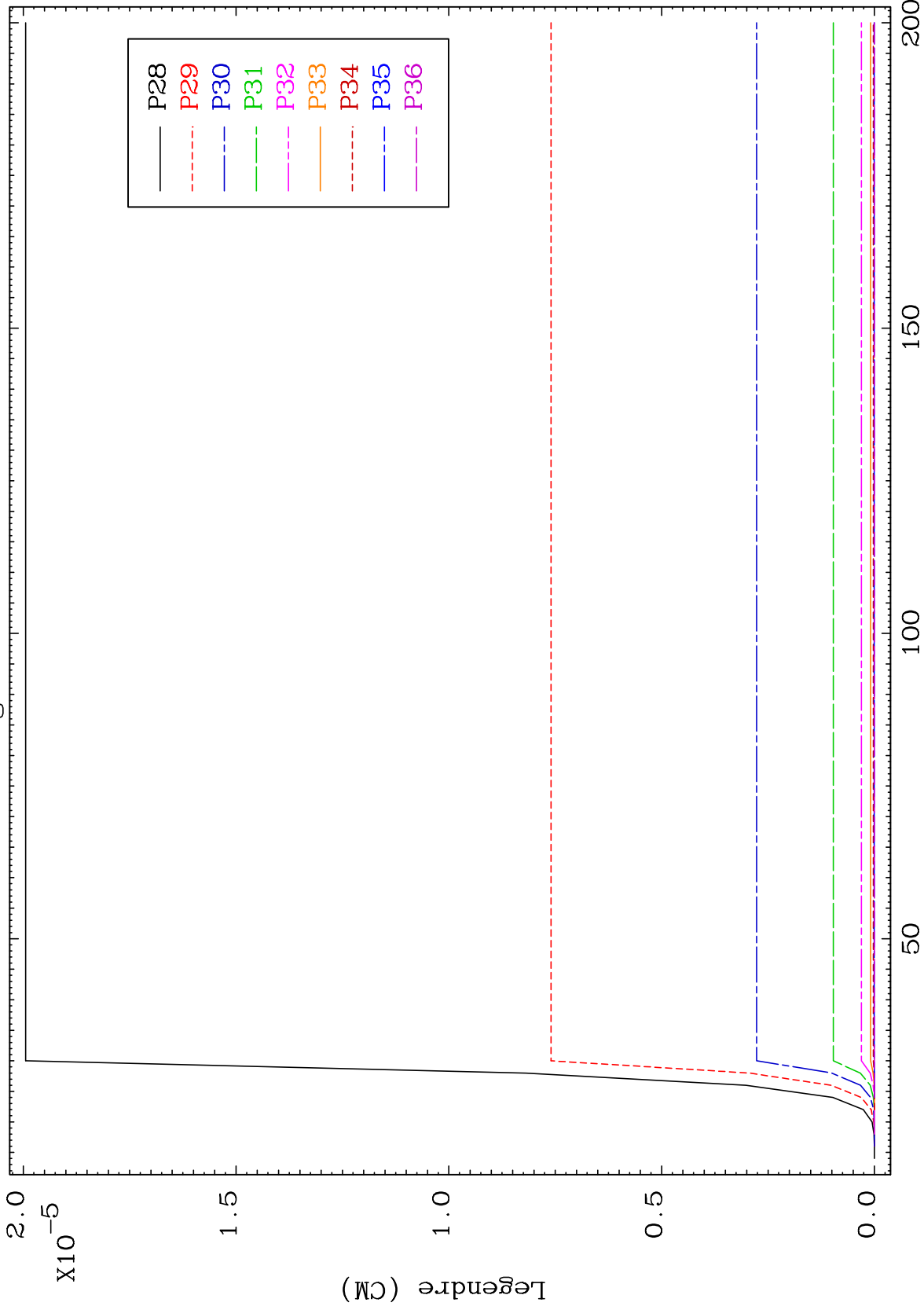
42

81-Tl-187

MAT 80777

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

81-Tl-187



43

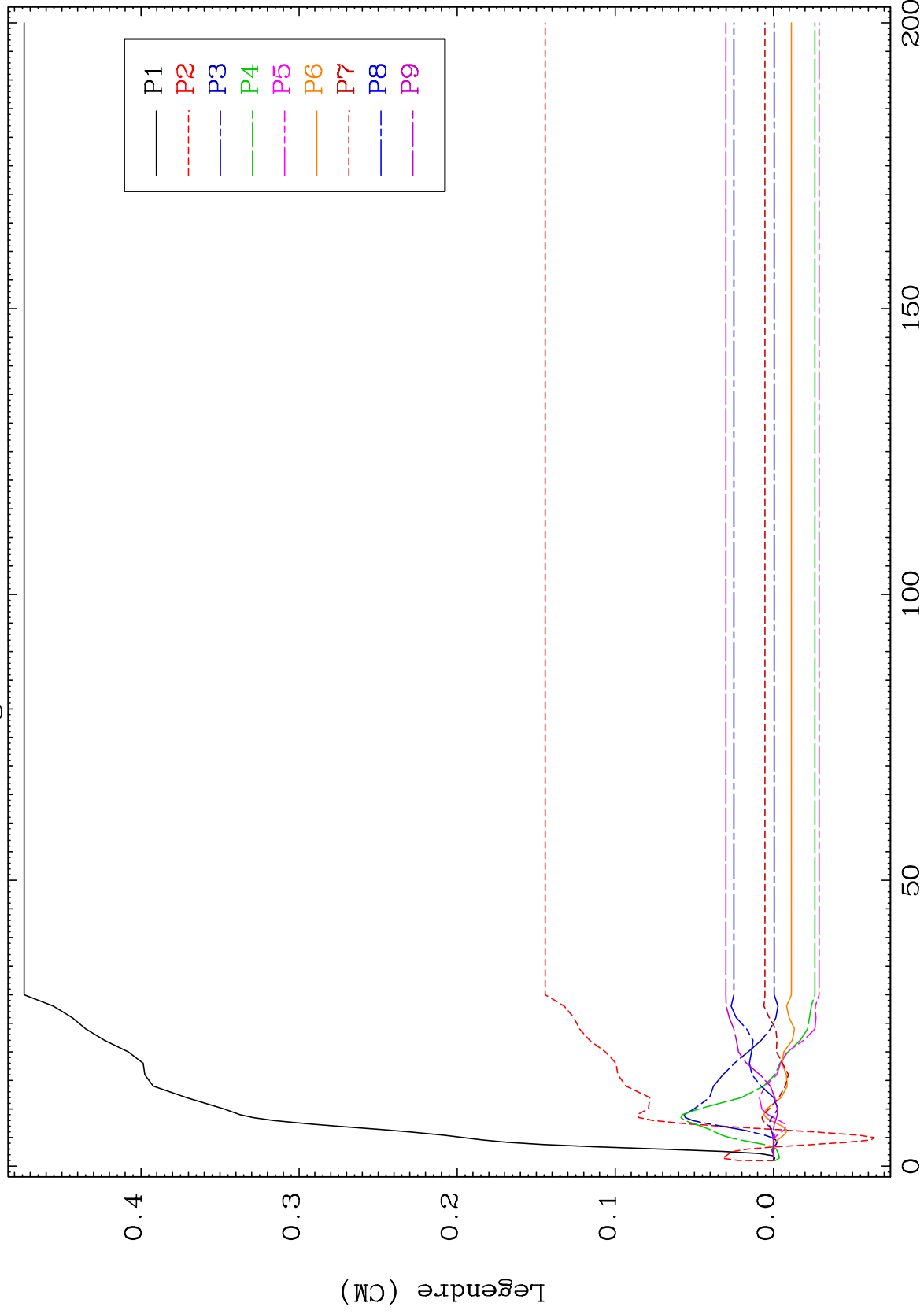
Incident Energy (MeV)

81-Tl-187

MAT 80777

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

81-T1-187



44

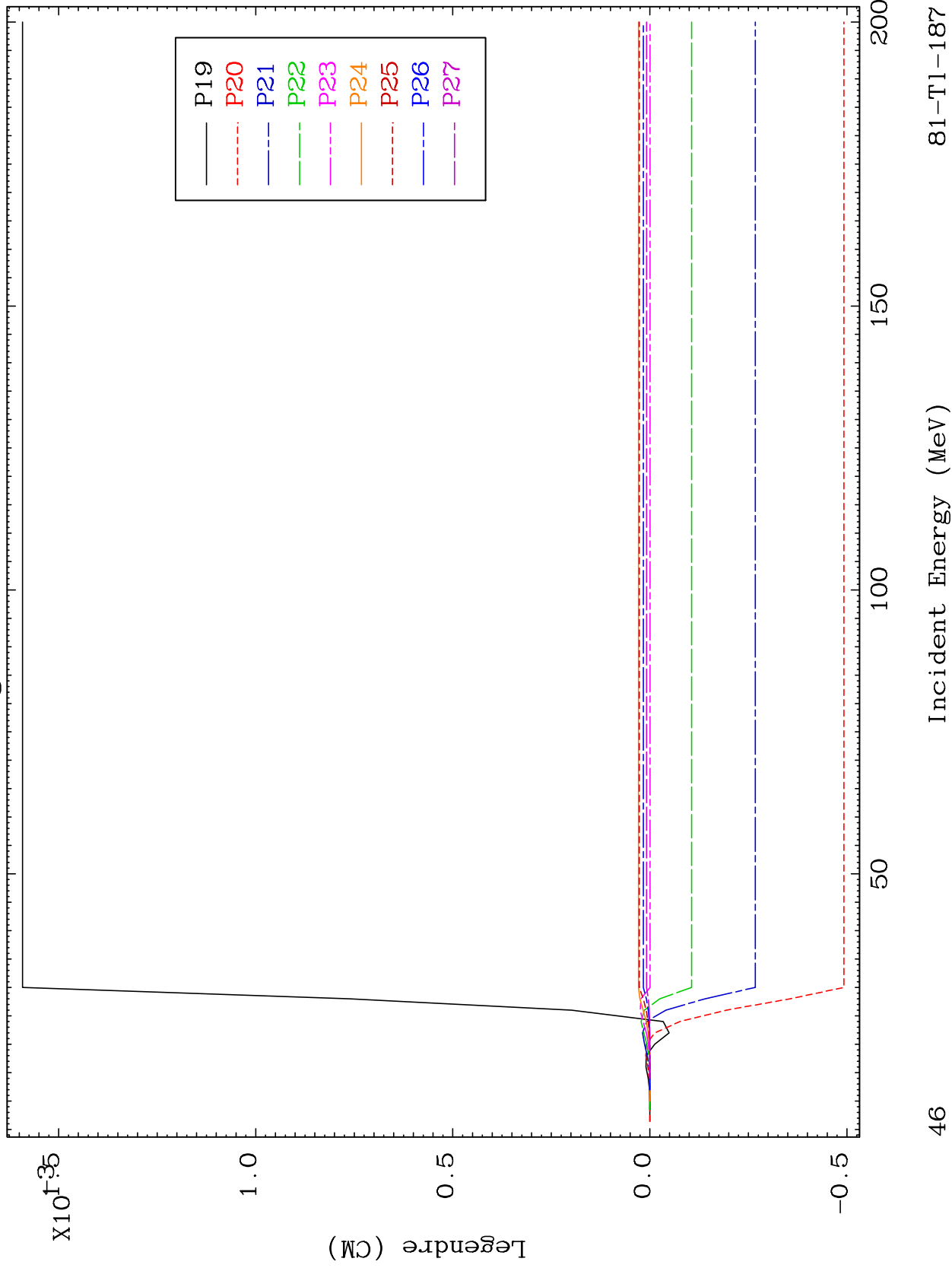
Incident Energy (MeV)

81-T1-187

MAT 8077

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

81-T1-187



46

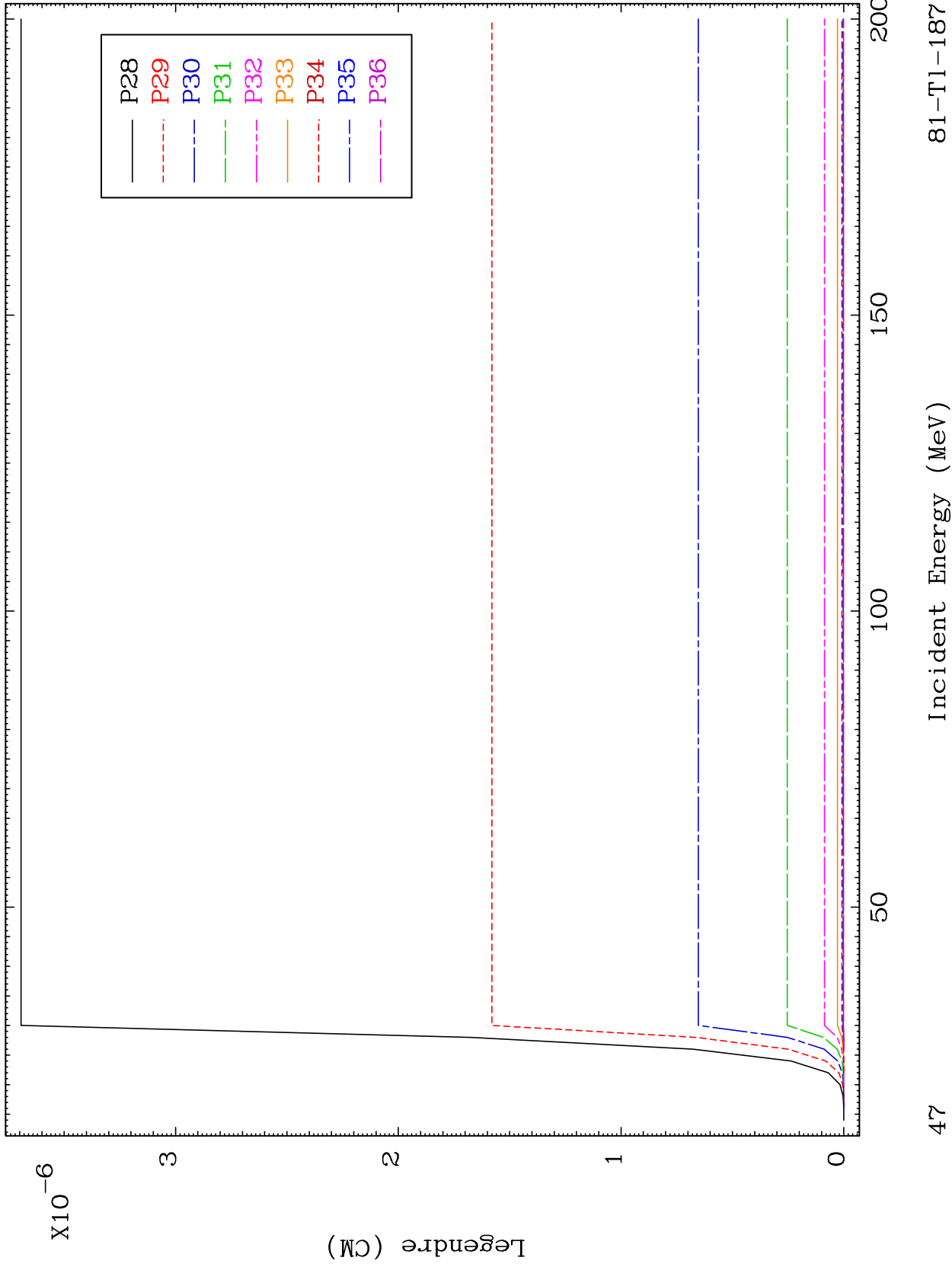
Incident Energy (MeV)

81-T1-187

MAT 8077

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

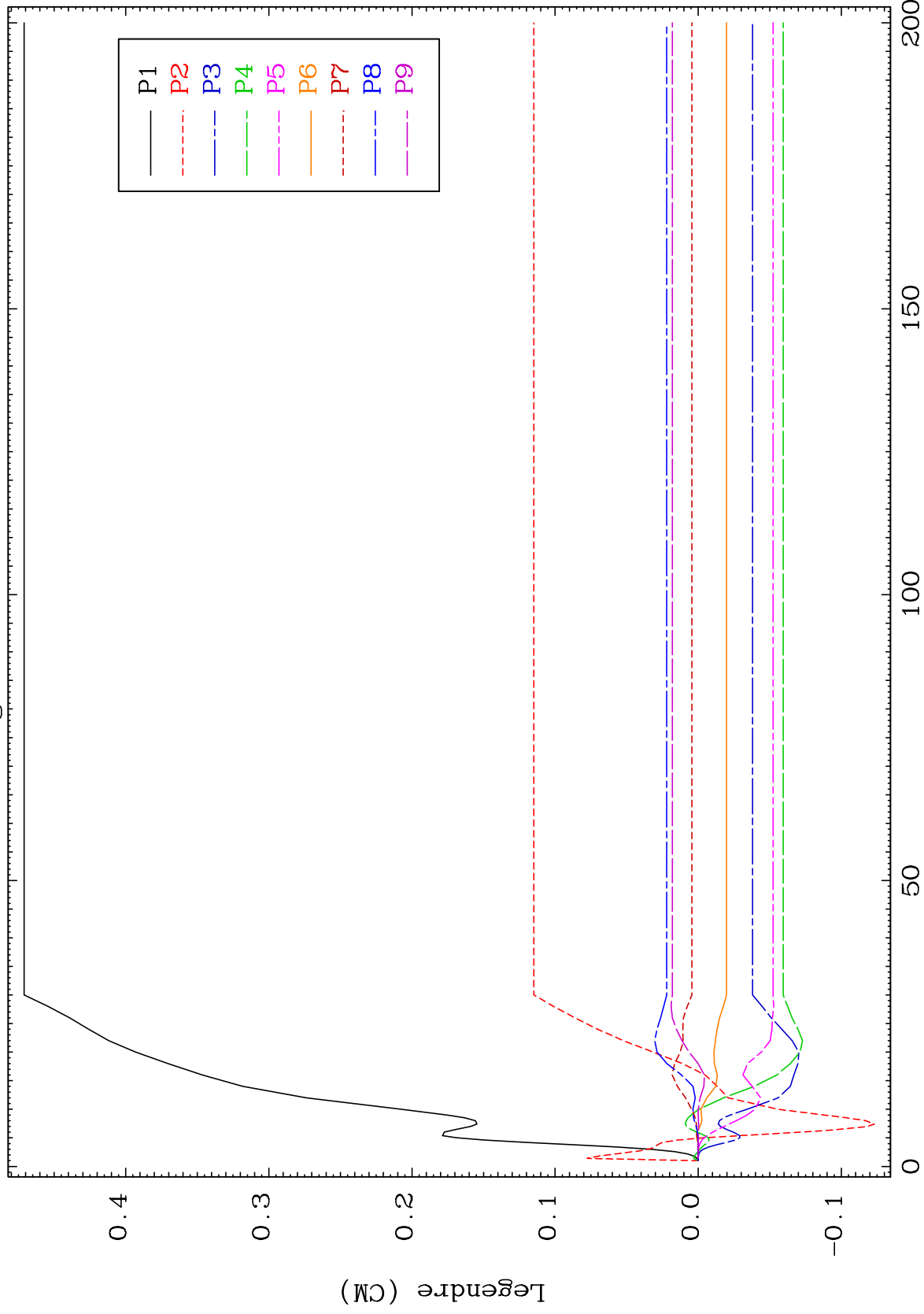
81-Tl-187



MAT 80777

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

81-Tl-187



48

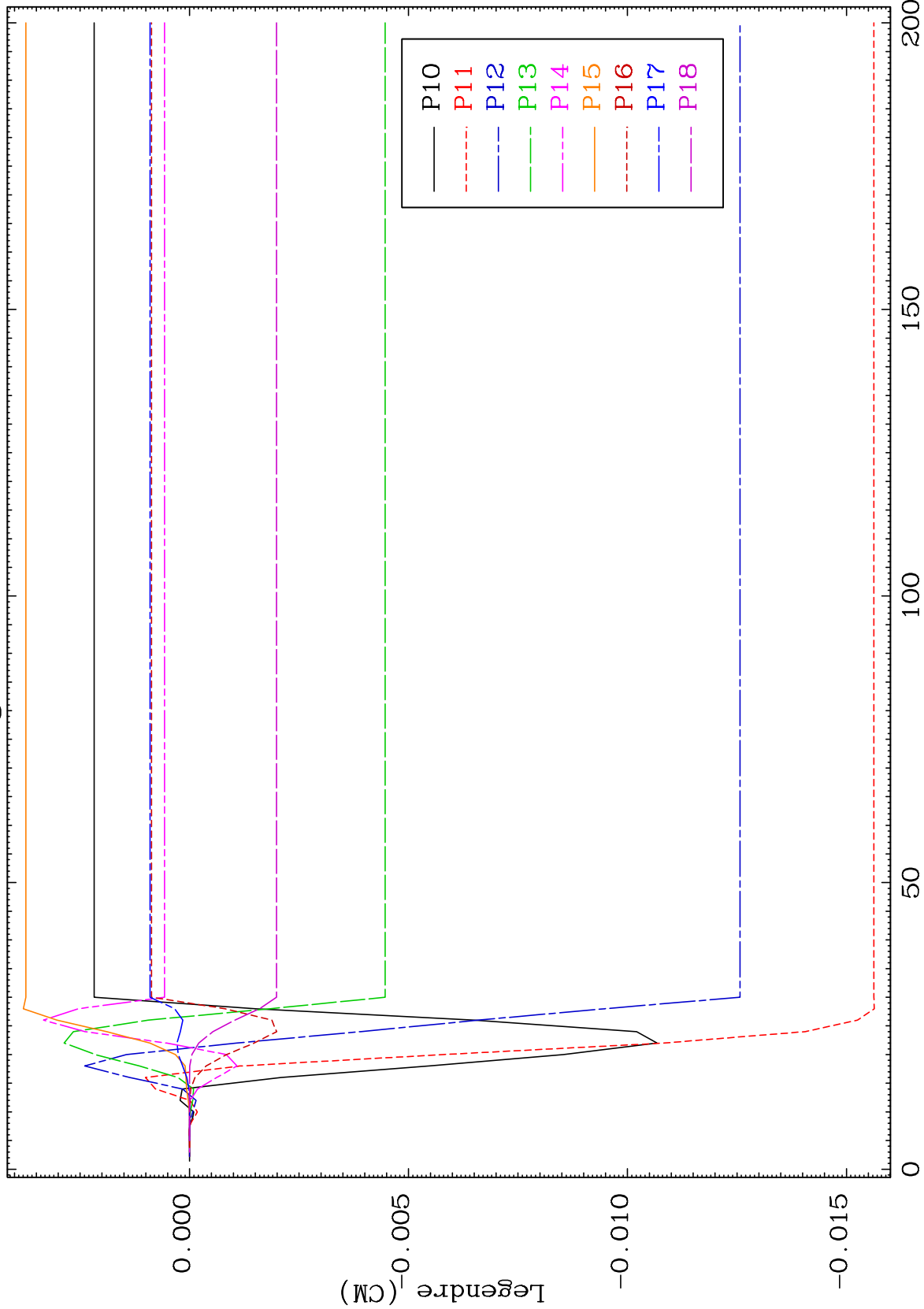
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

81-Tl-187



49

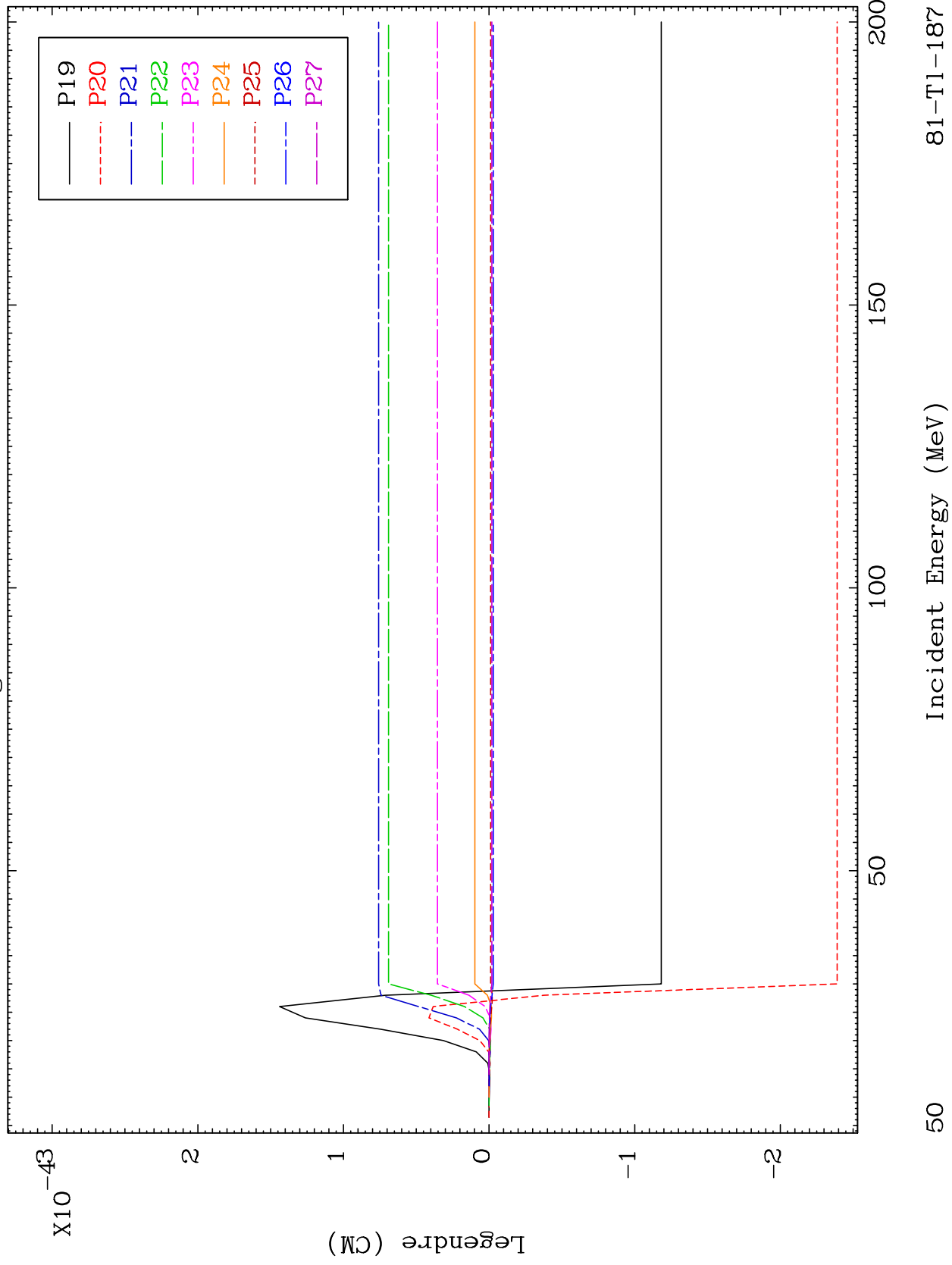
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

81-Tl-187

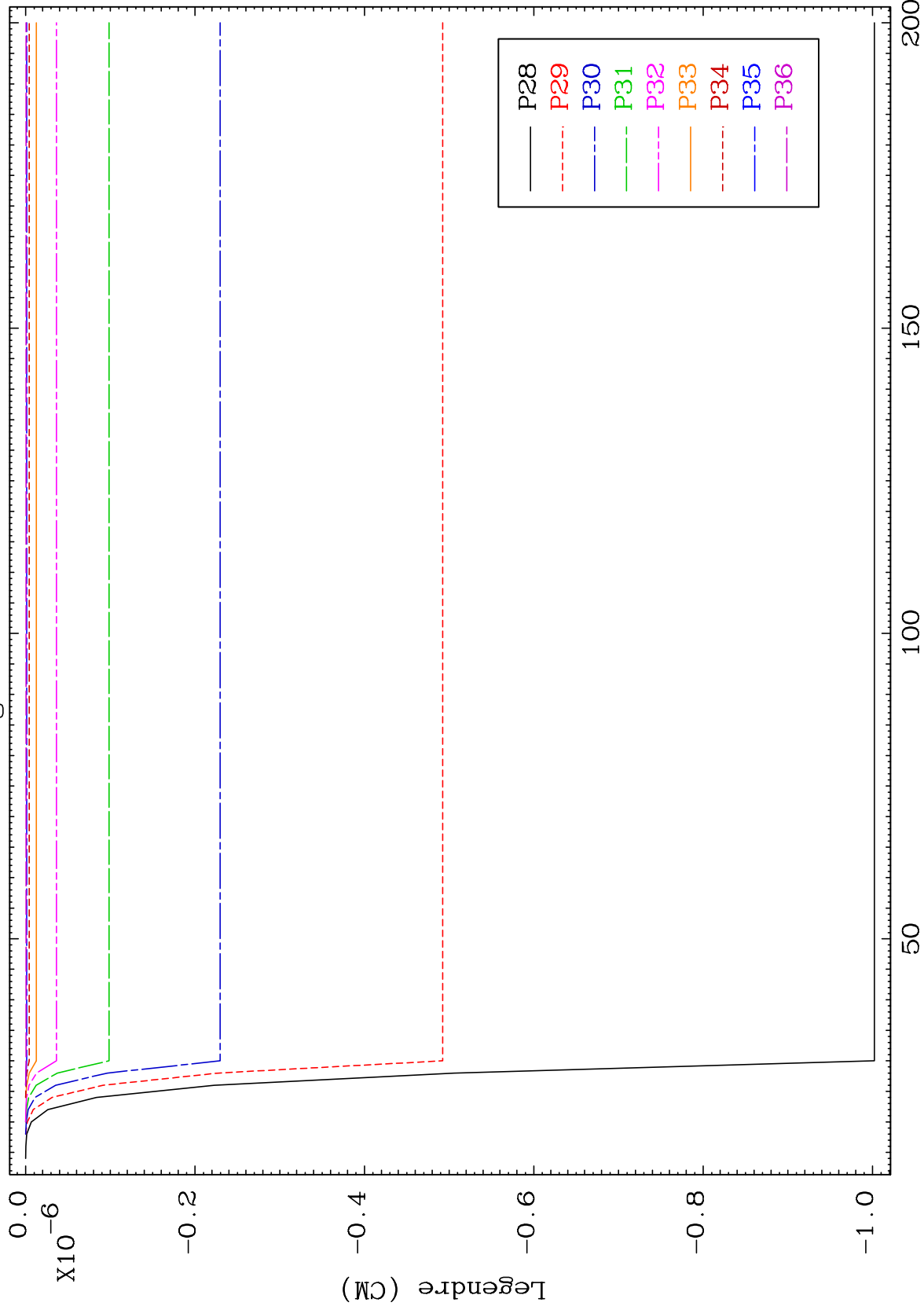


MAT 8077

MT= 58 (n,n') Level

81-Tl-187

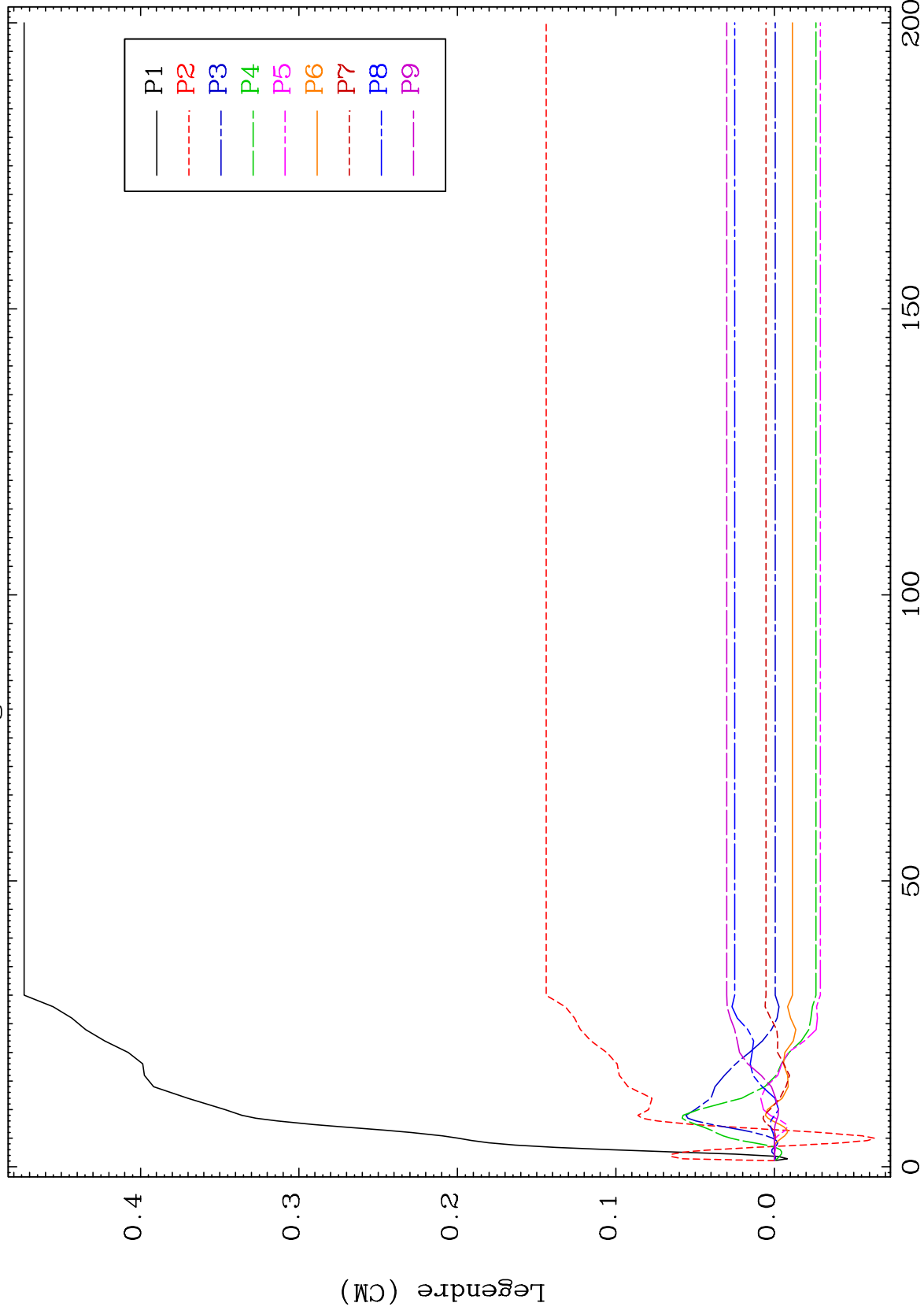
Legendre Coefficients



MAT 8077

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

81-Tl-187



81-Tl-187

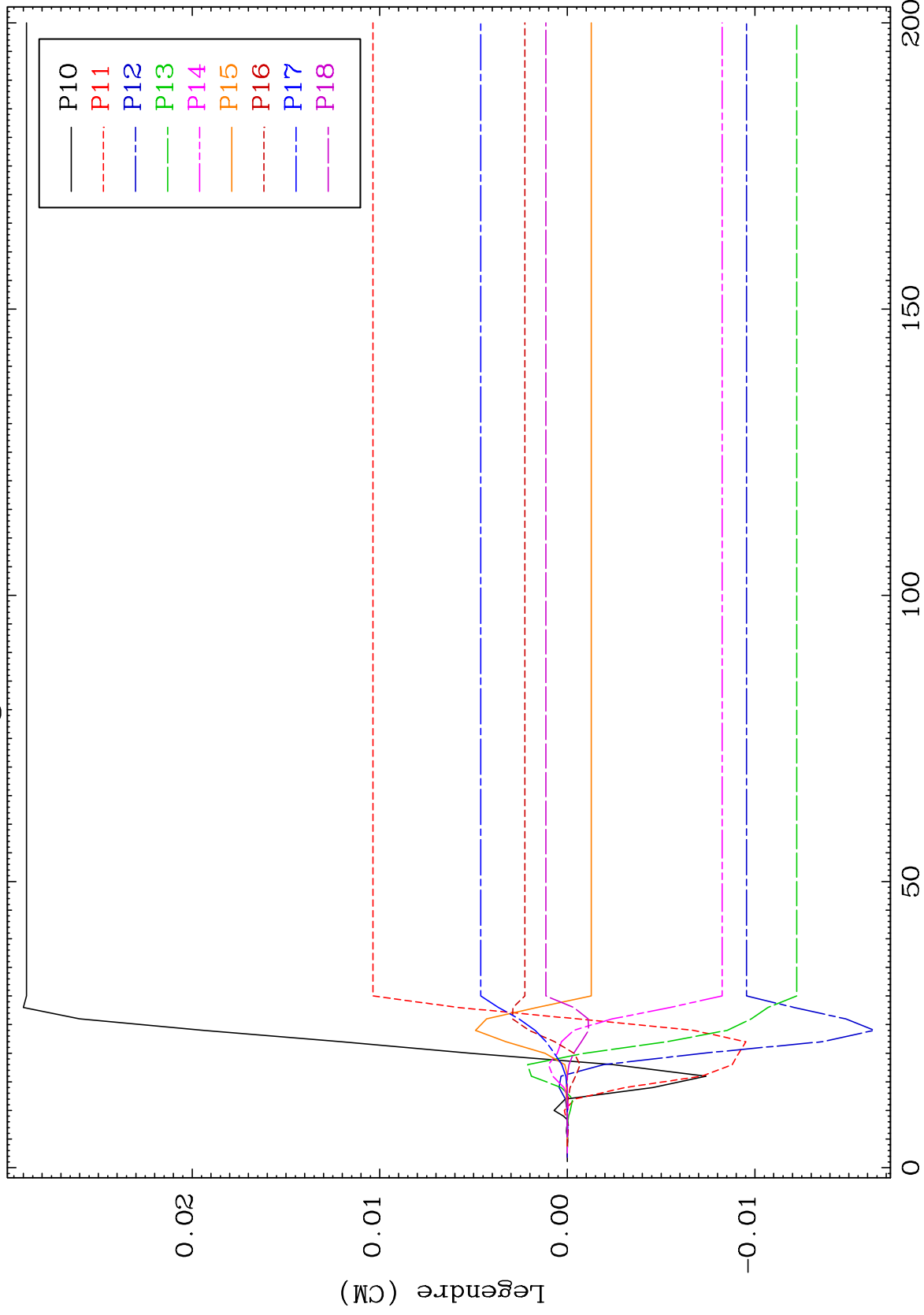
Incident Energy (MeV)

52

MAT 8077

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

81-Tl-187



53

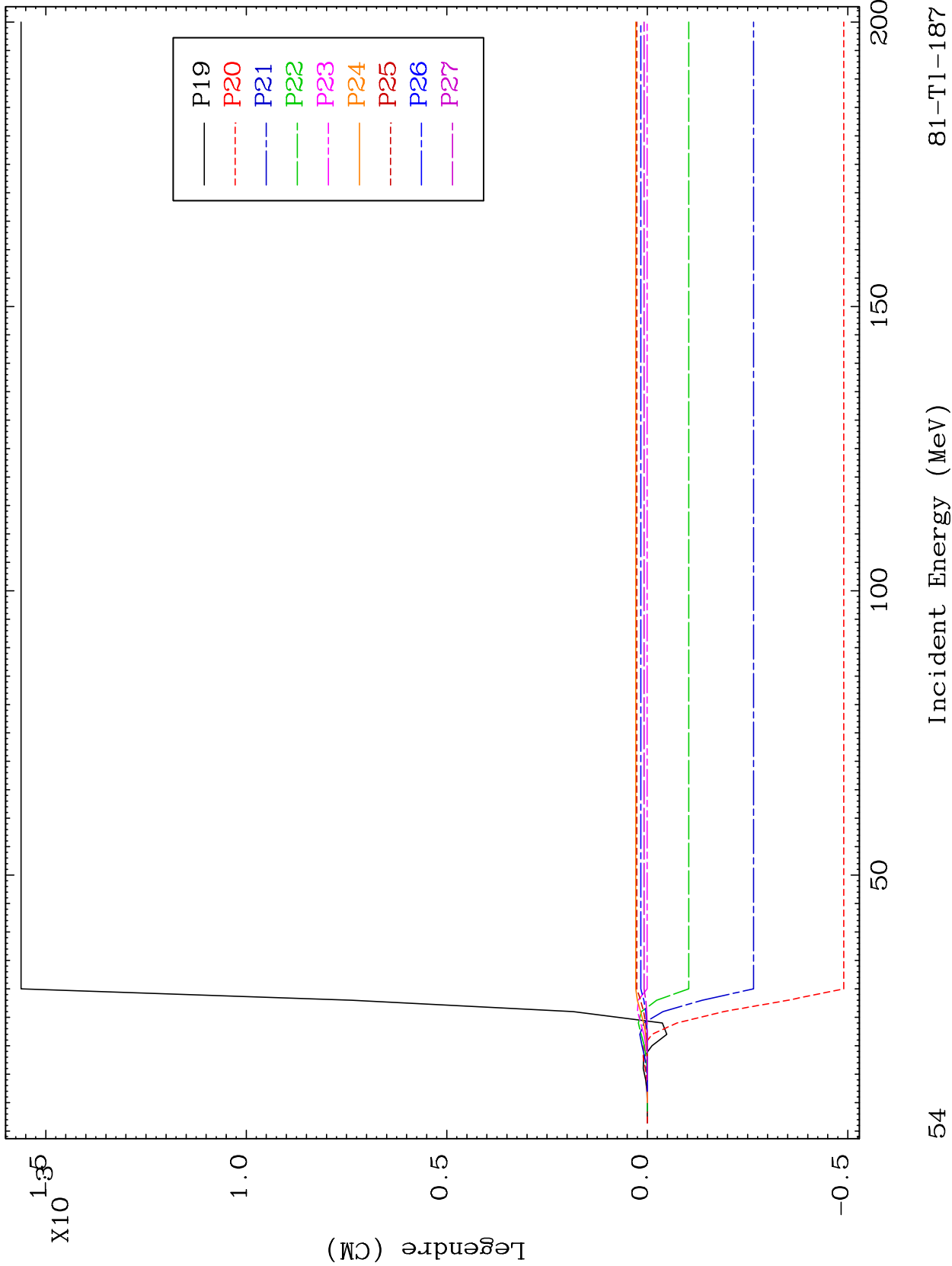
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

81-Tl-187



54

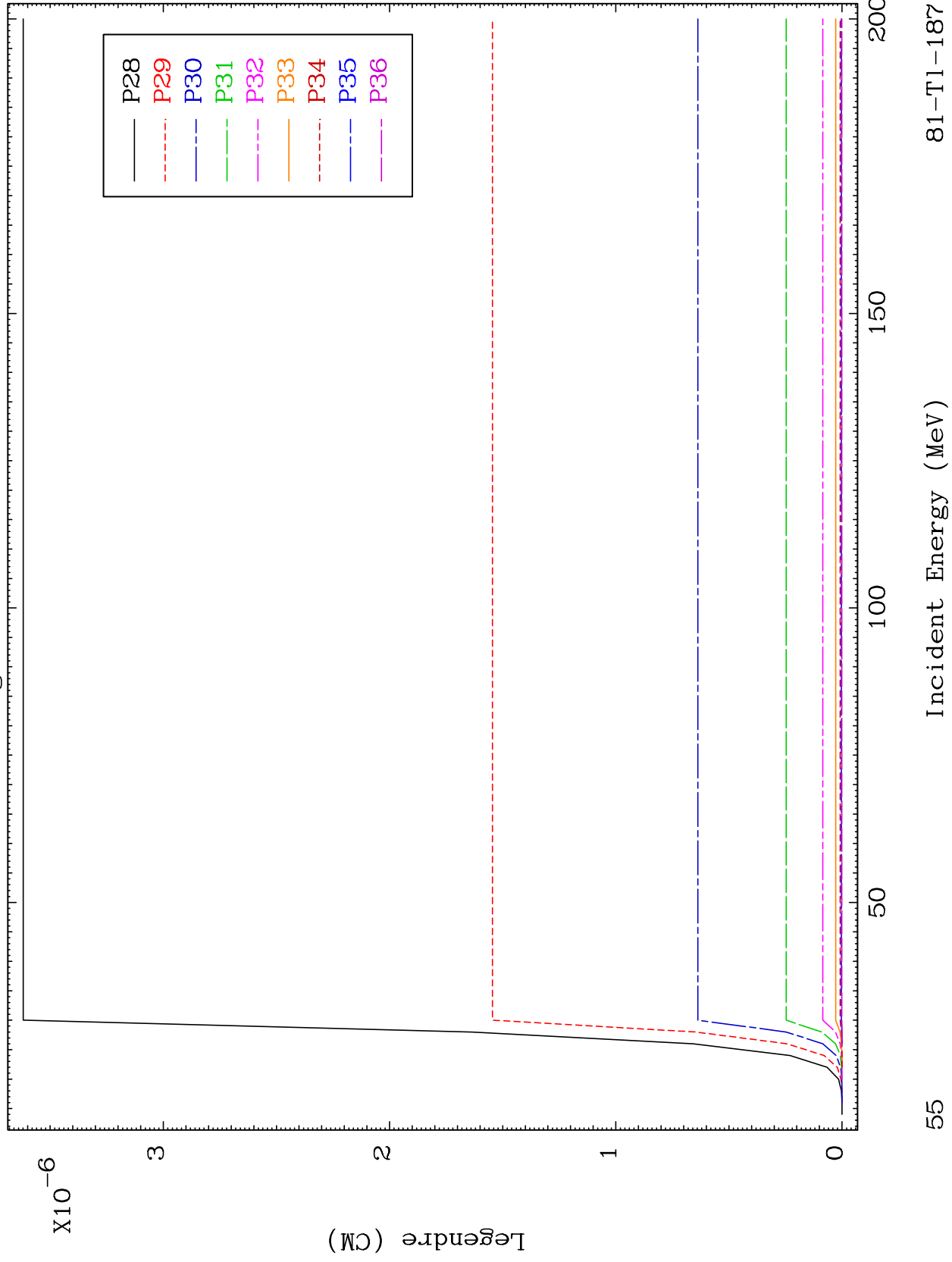
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

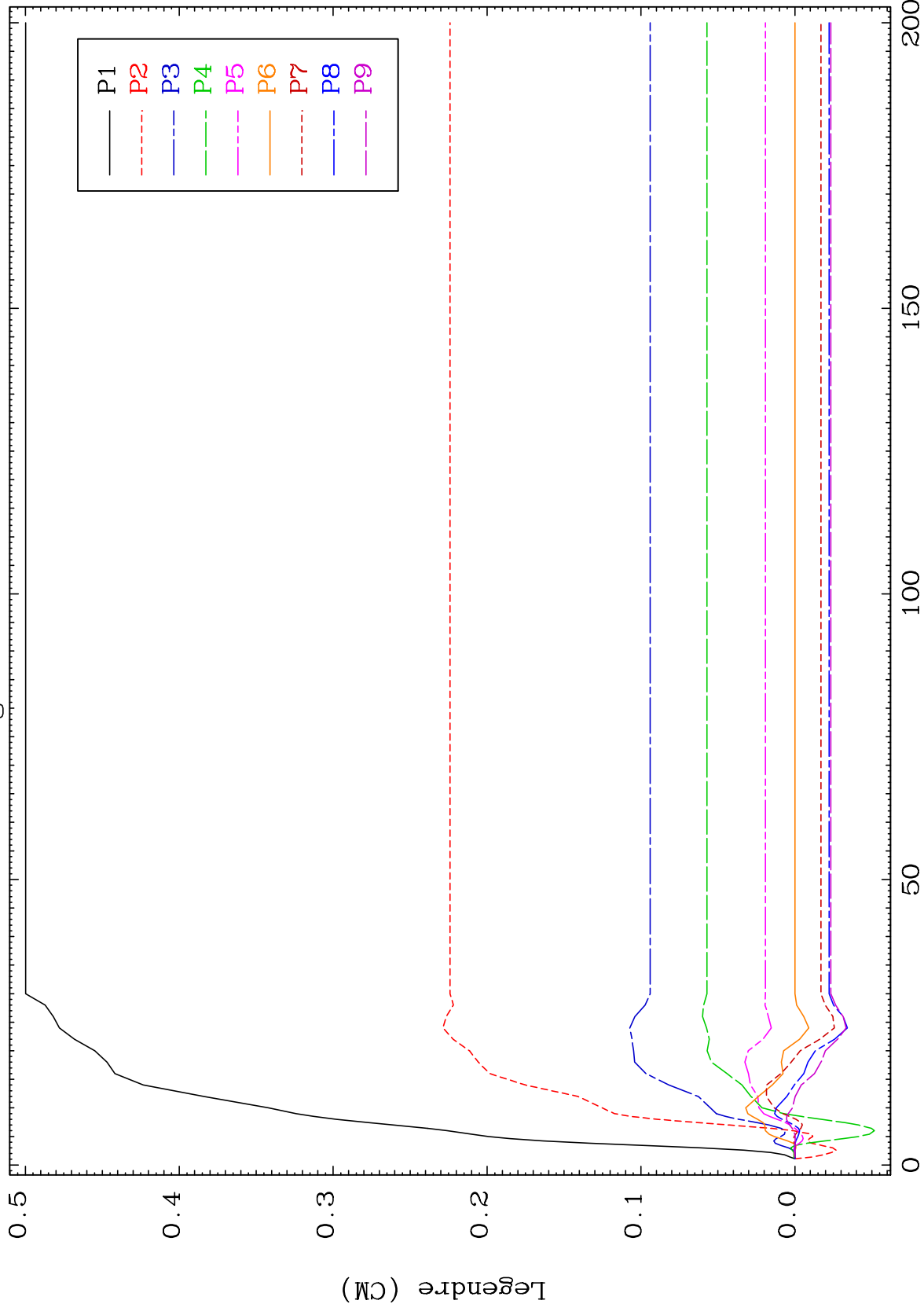
81-Tl-187



MAT 80777

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

81-Tl-187



81-Tl-187

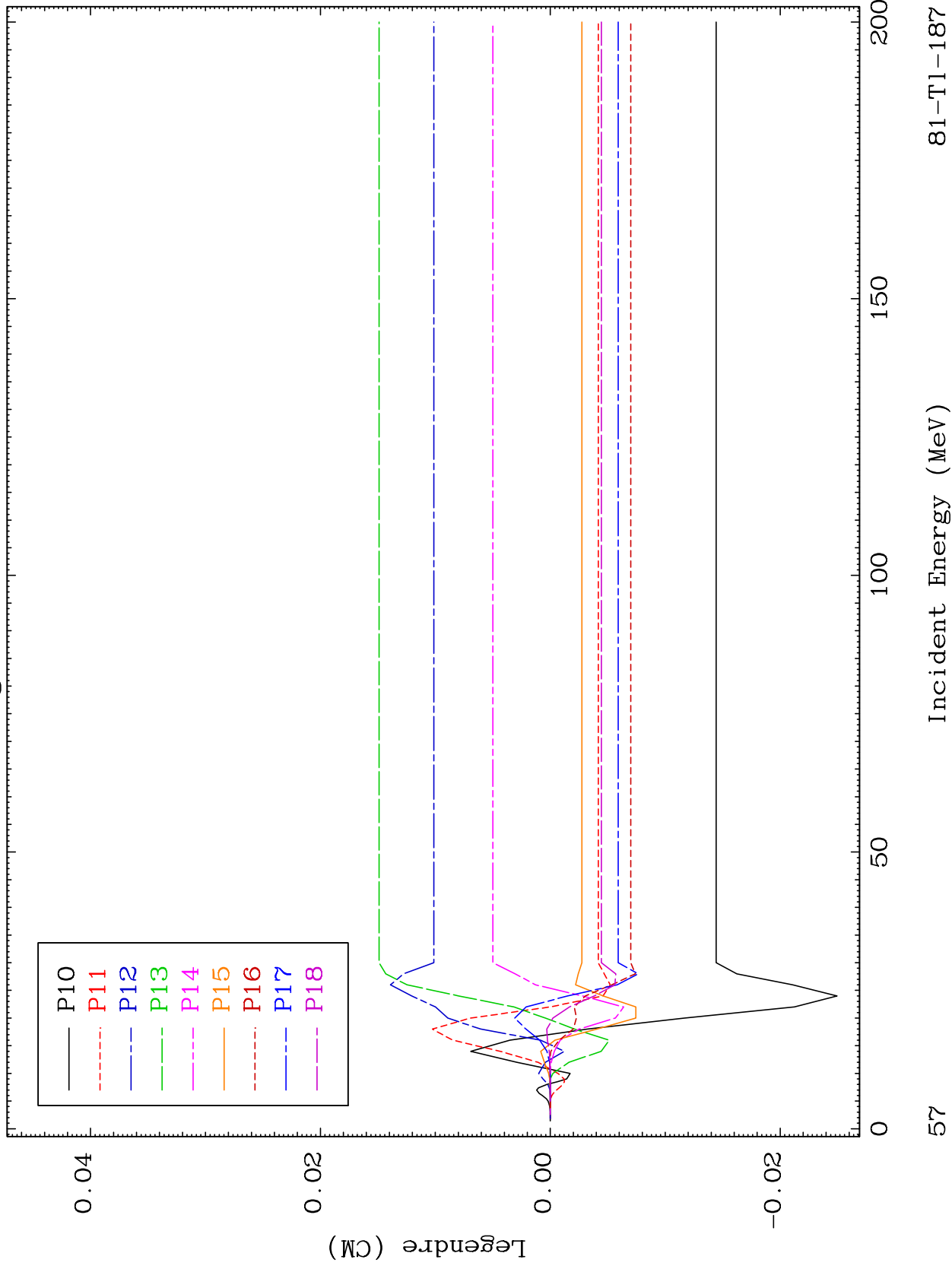
Incident Energy (MeV)

56

MAT 8077

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

81-Tl-187



57

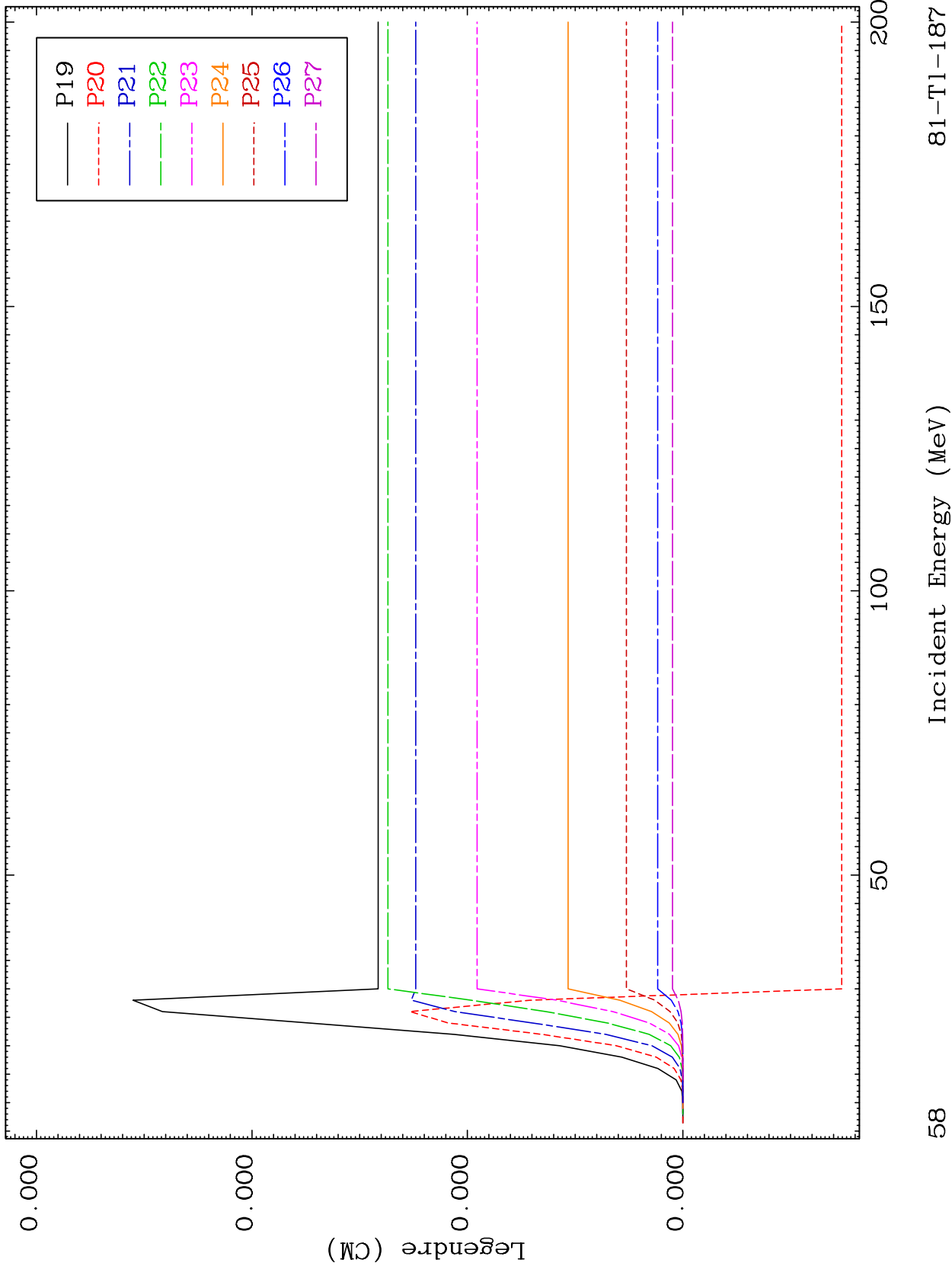
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

81-Tl-187



58

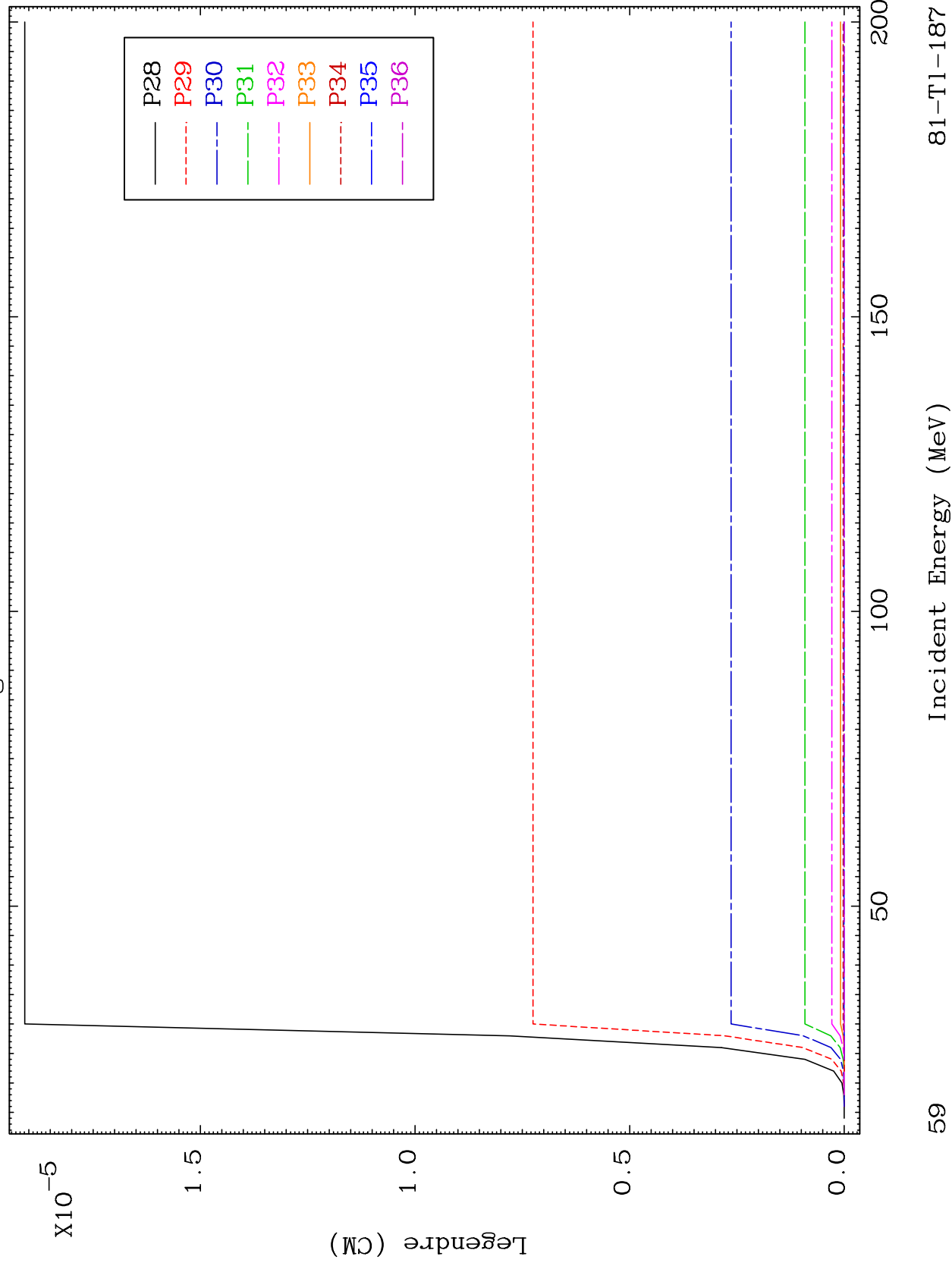
Incident Energy (MeV)

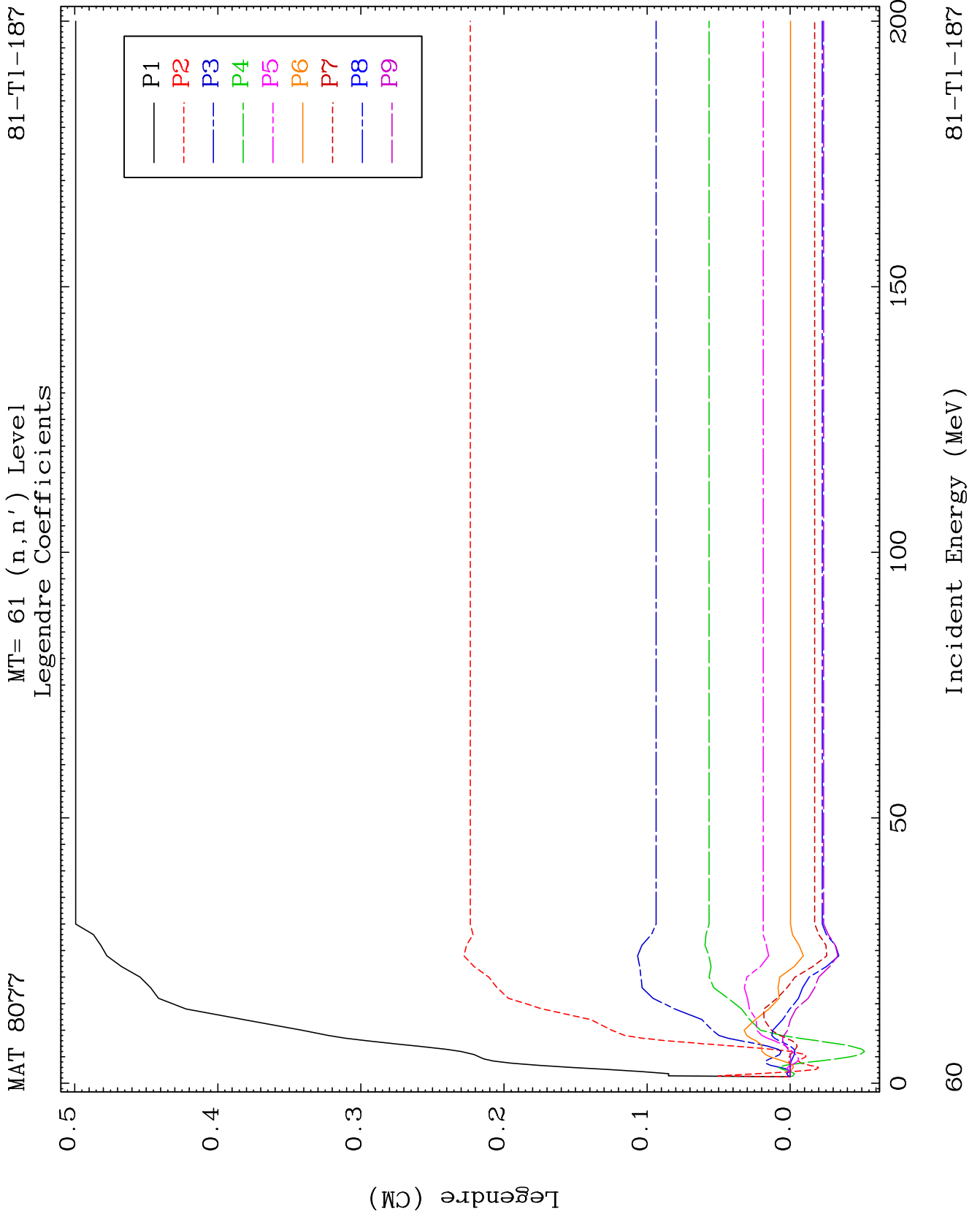
81-Tl-187

MAT 8077

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

81-Tl-187

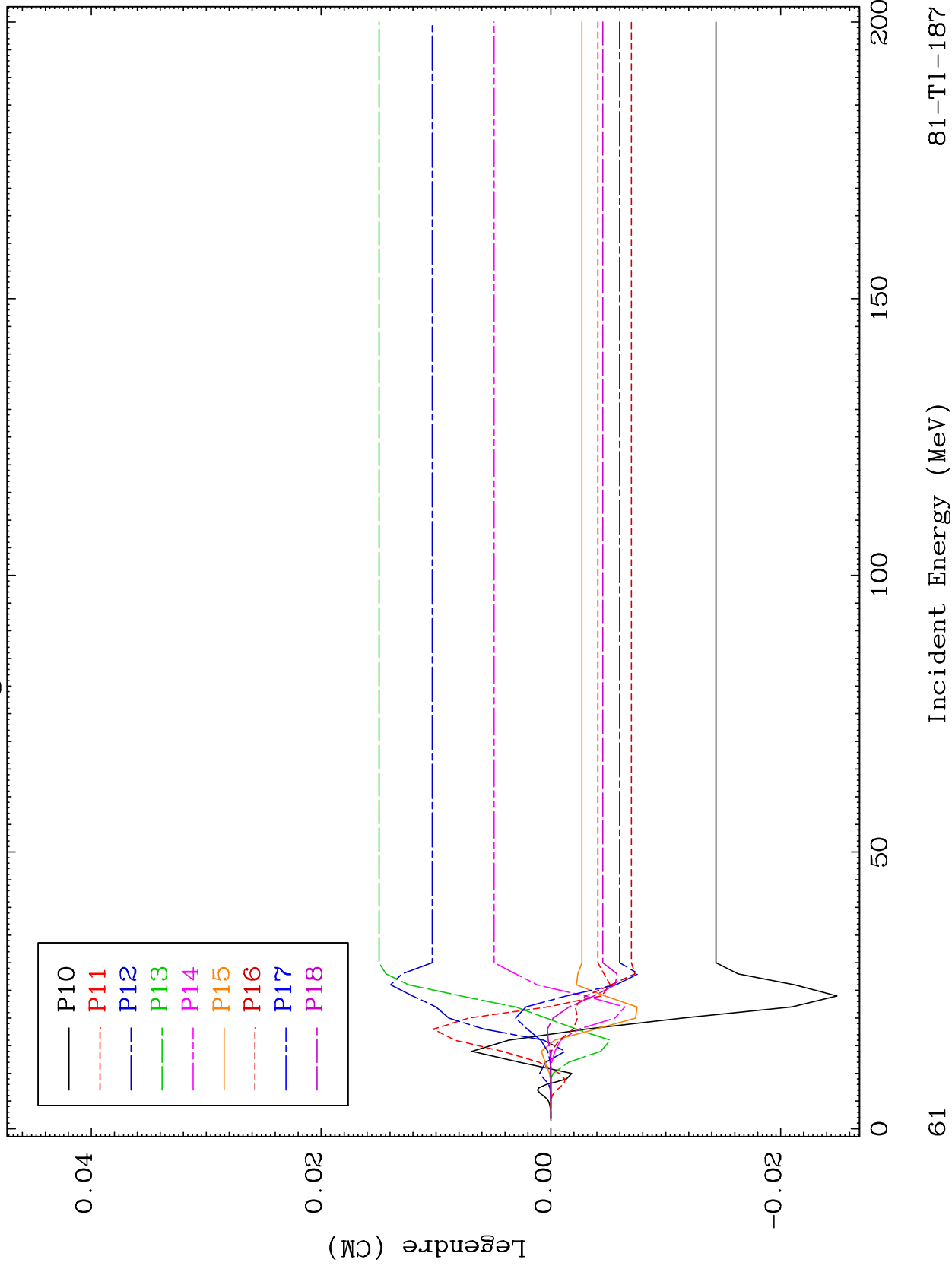




MAT 8077

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

81-Tl-187



81-Tl-187

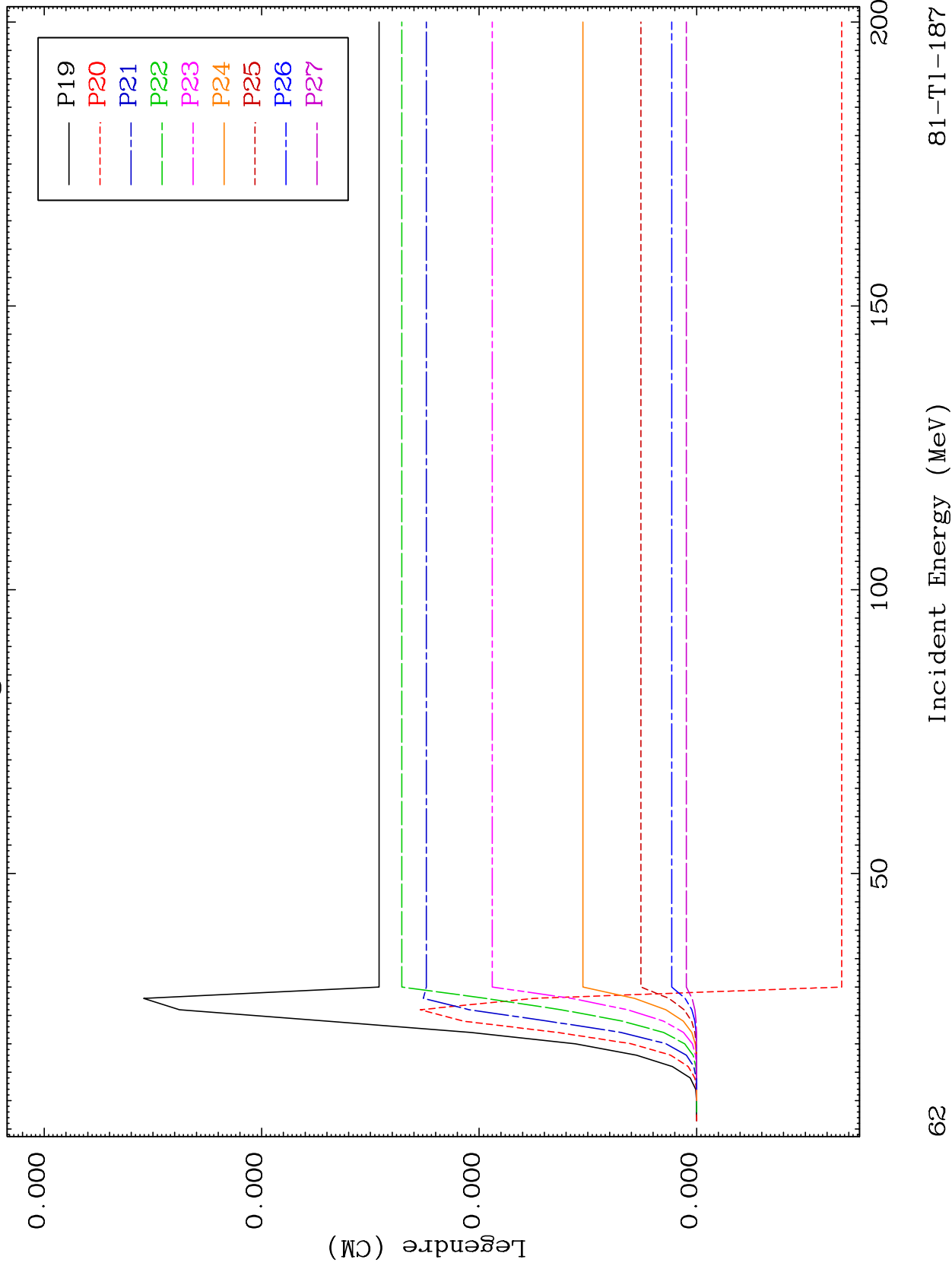
Incident Energy (MeV)

61

MAT 8077

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

81-Tl-187



62

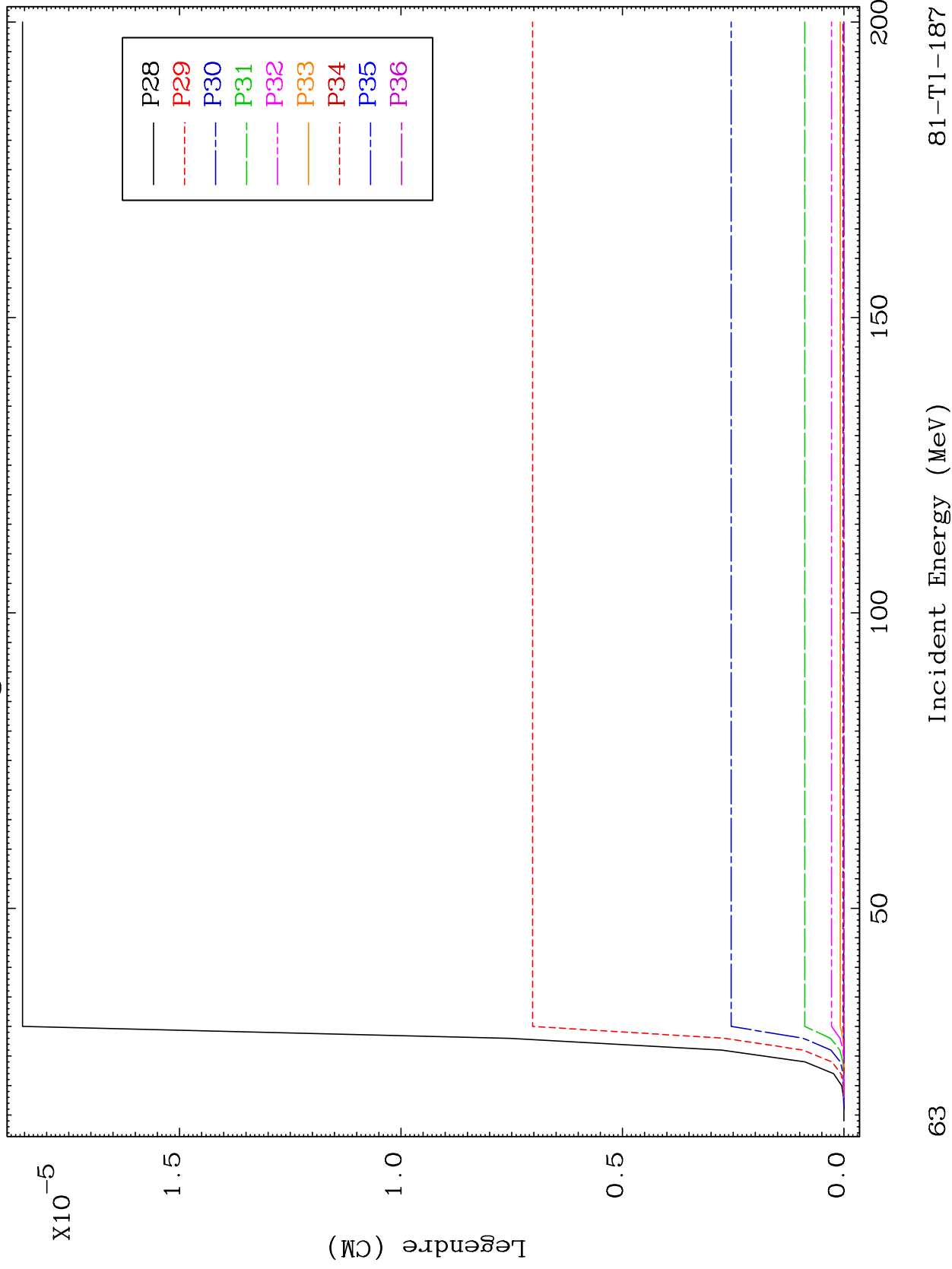
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

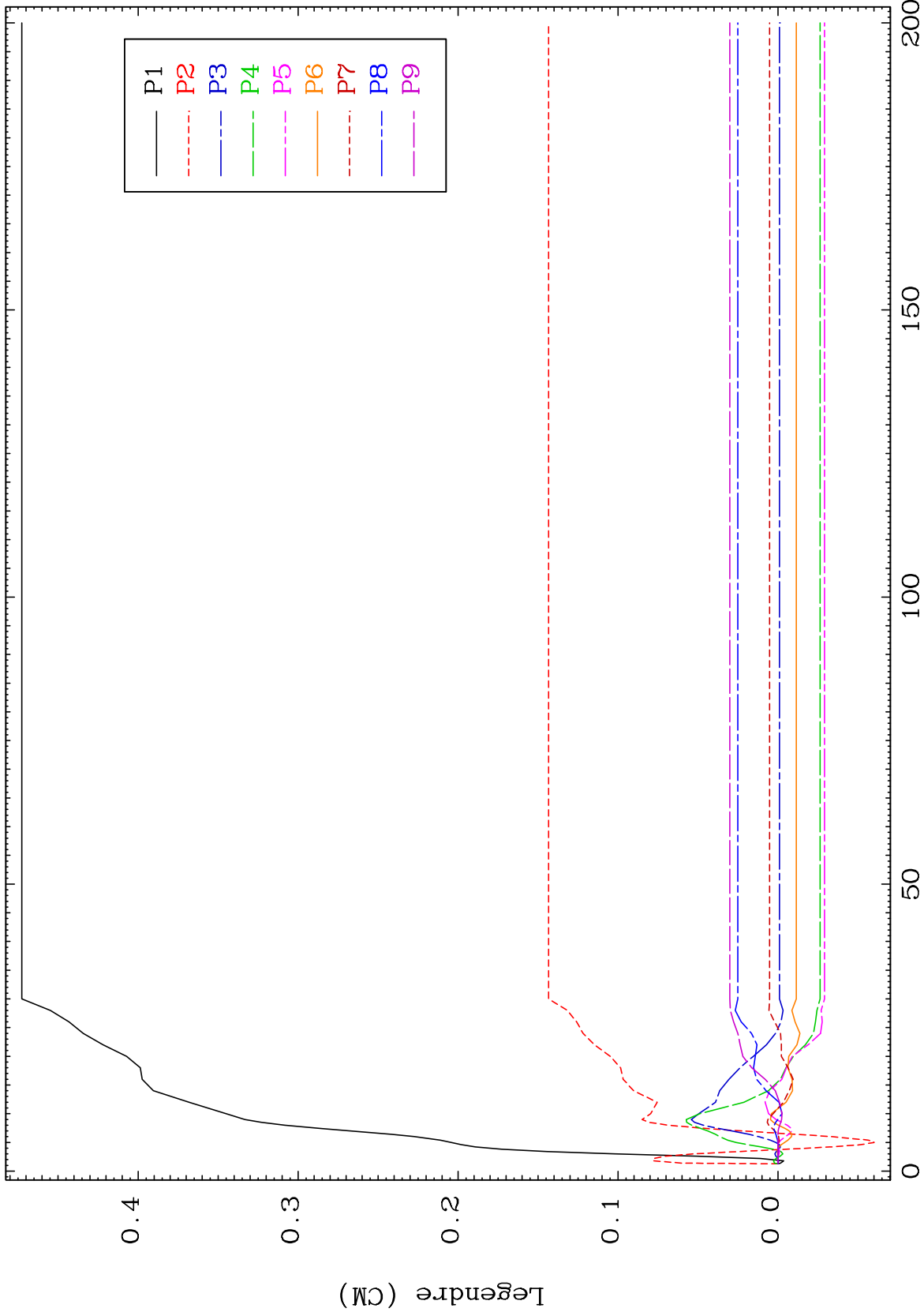
81-Tl-187



MAT 8077

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

81-T1-187



64

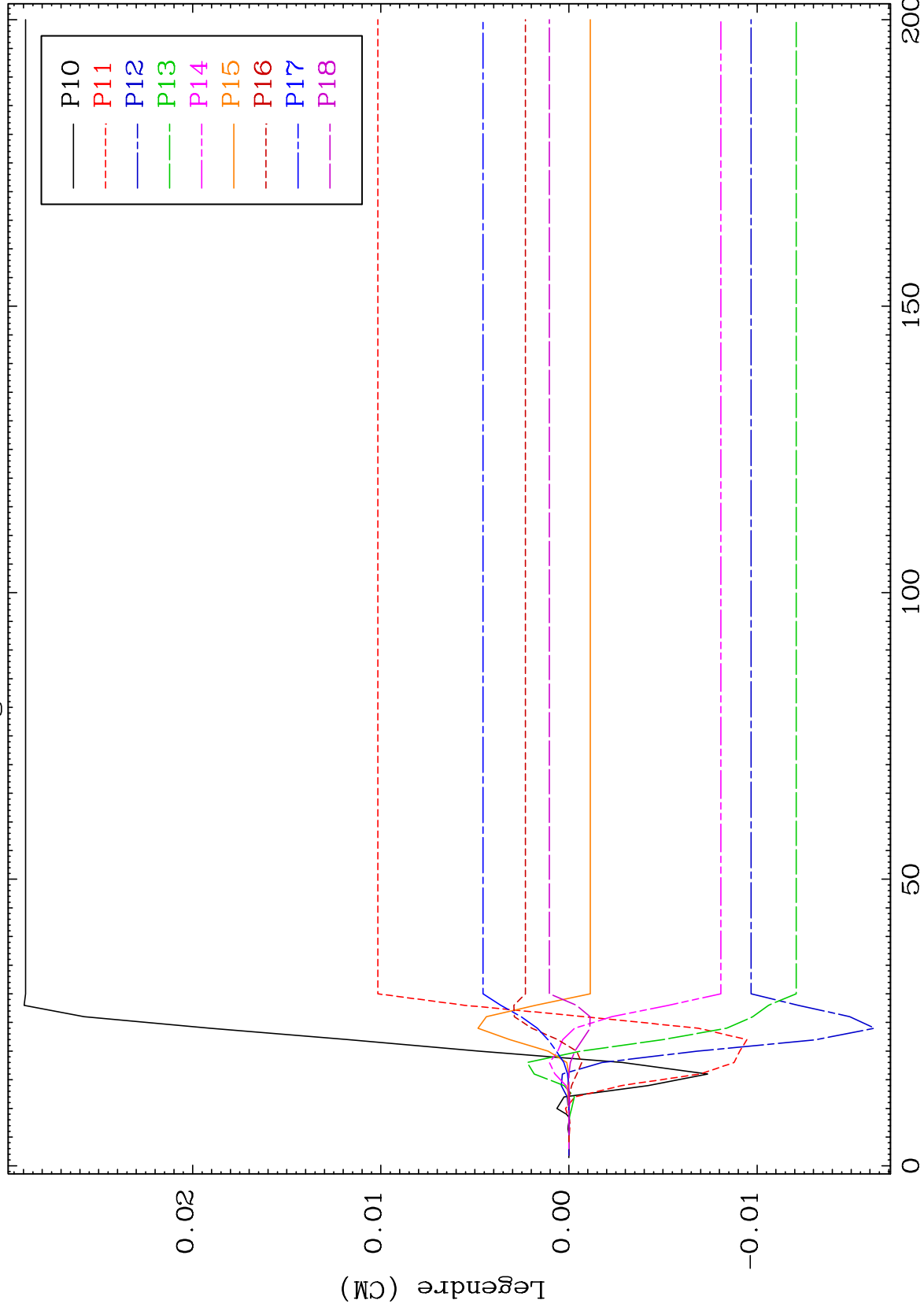
Incident Energy (MeV)

81-T1-187

MAT 8077

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

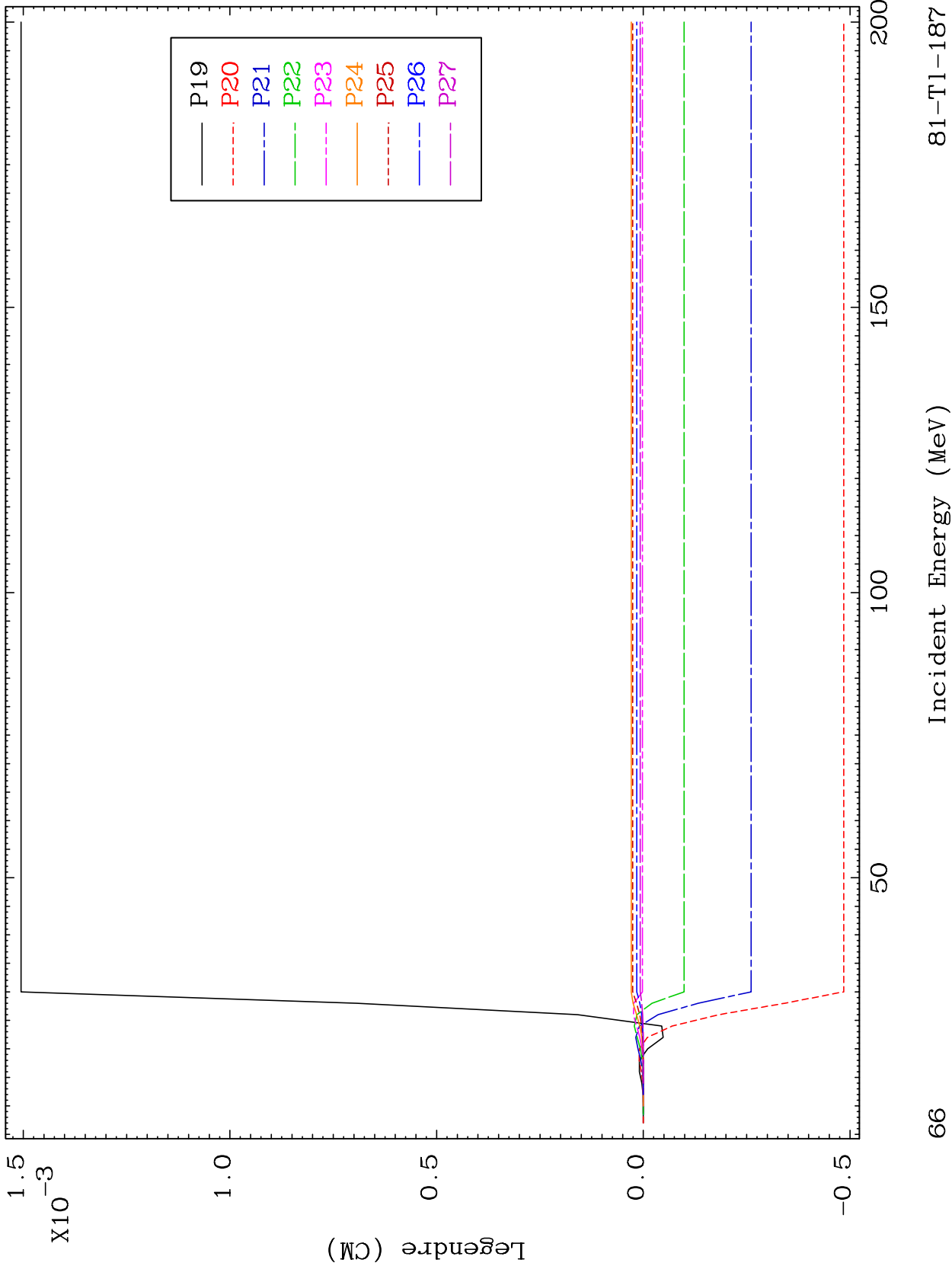
81-T1-187



65

Incident Energy (MeV)

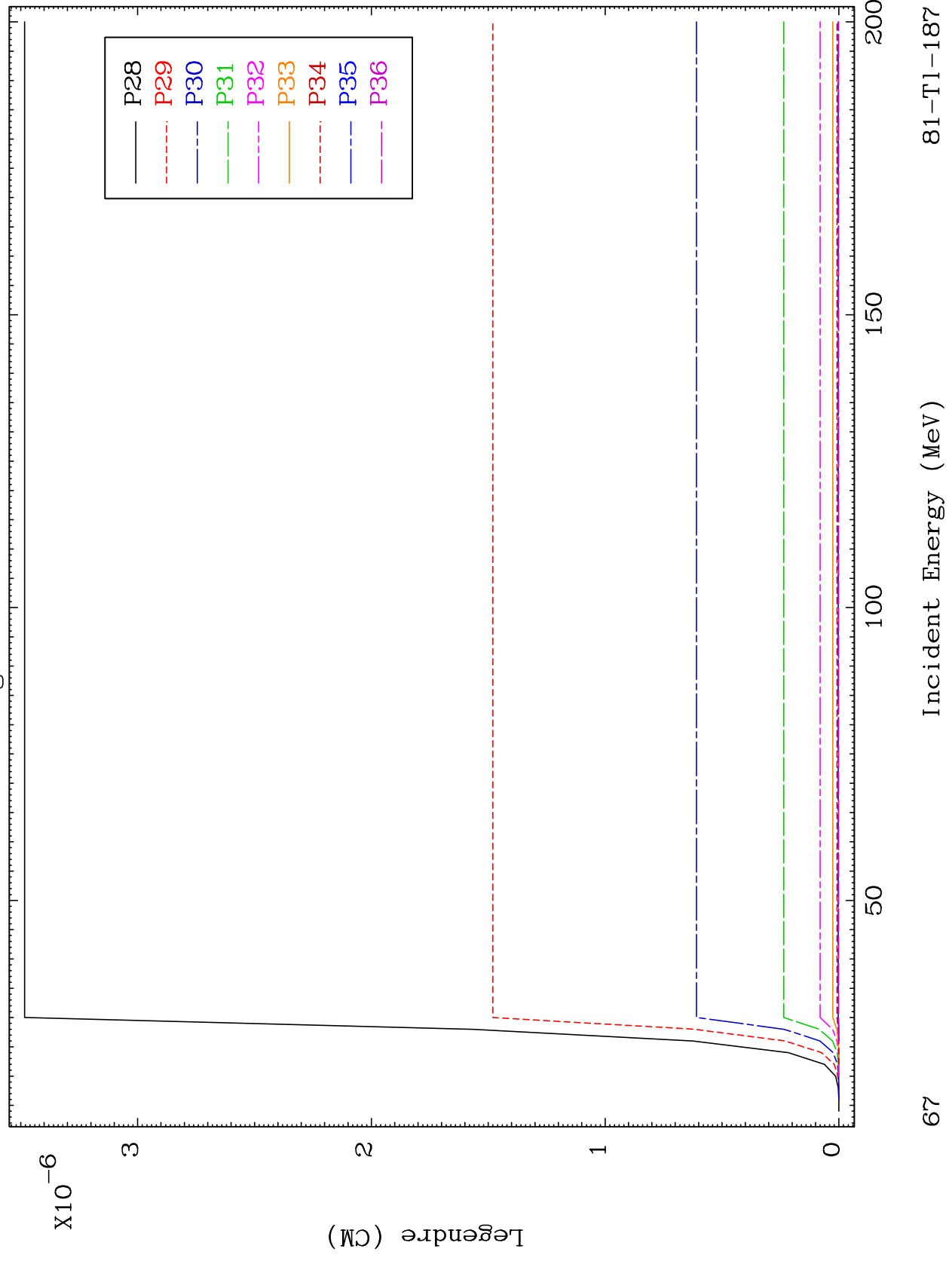
81-T1-187



MAT 8077

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

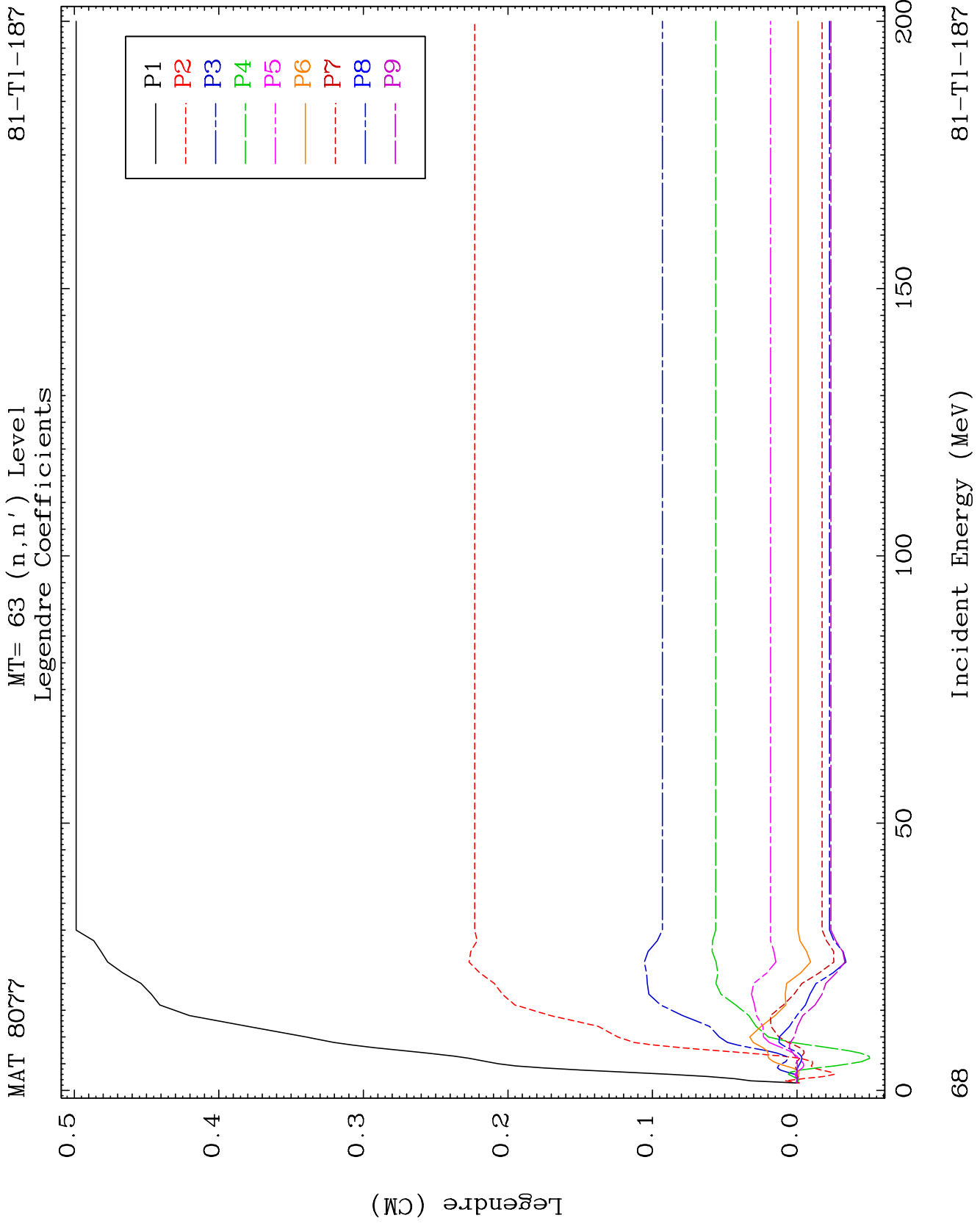
81-Tl-187



67

Incident Energy (MeV)

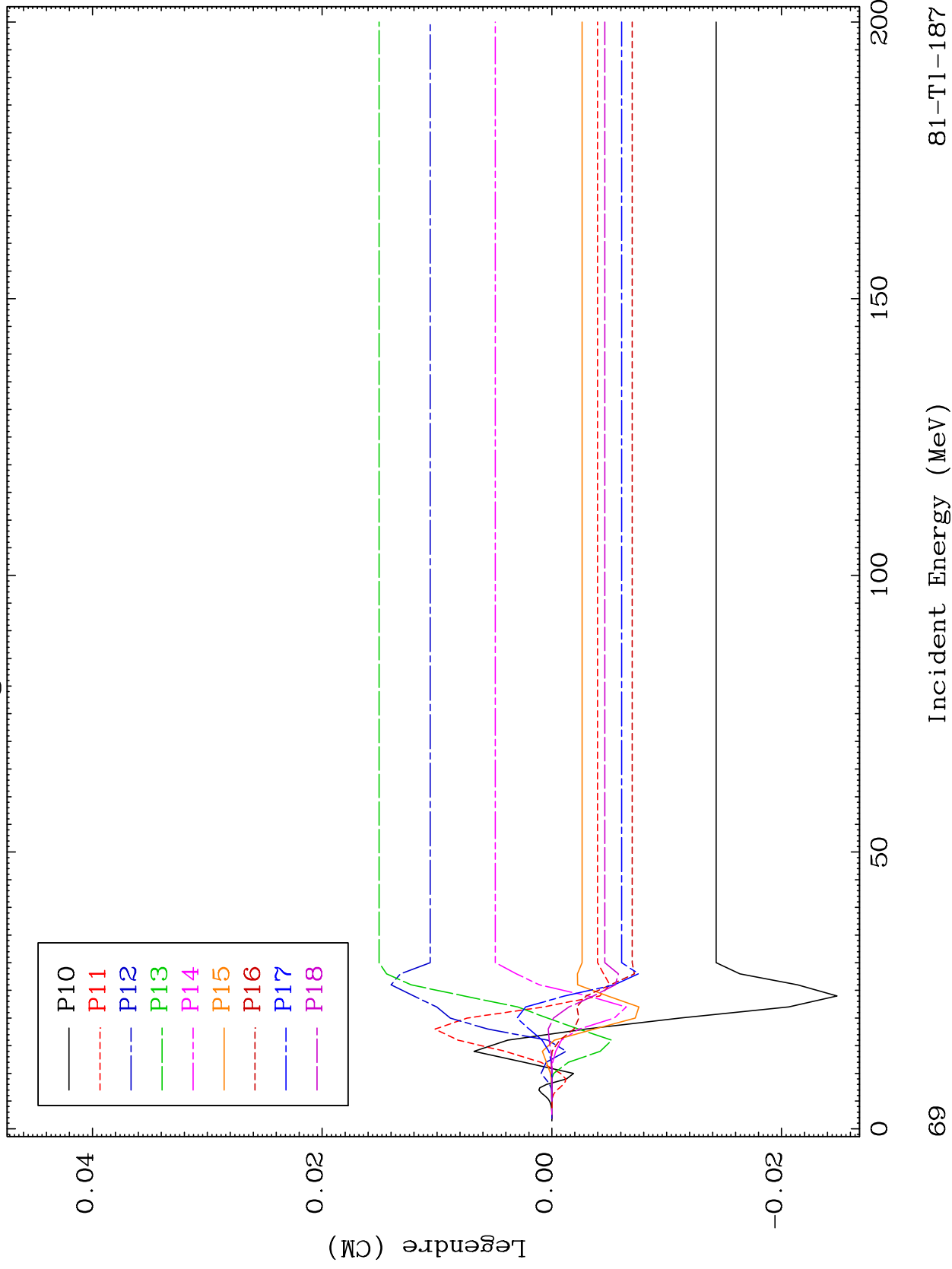
81-Tl-187



MAT 8077

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

81-Tl-187



69

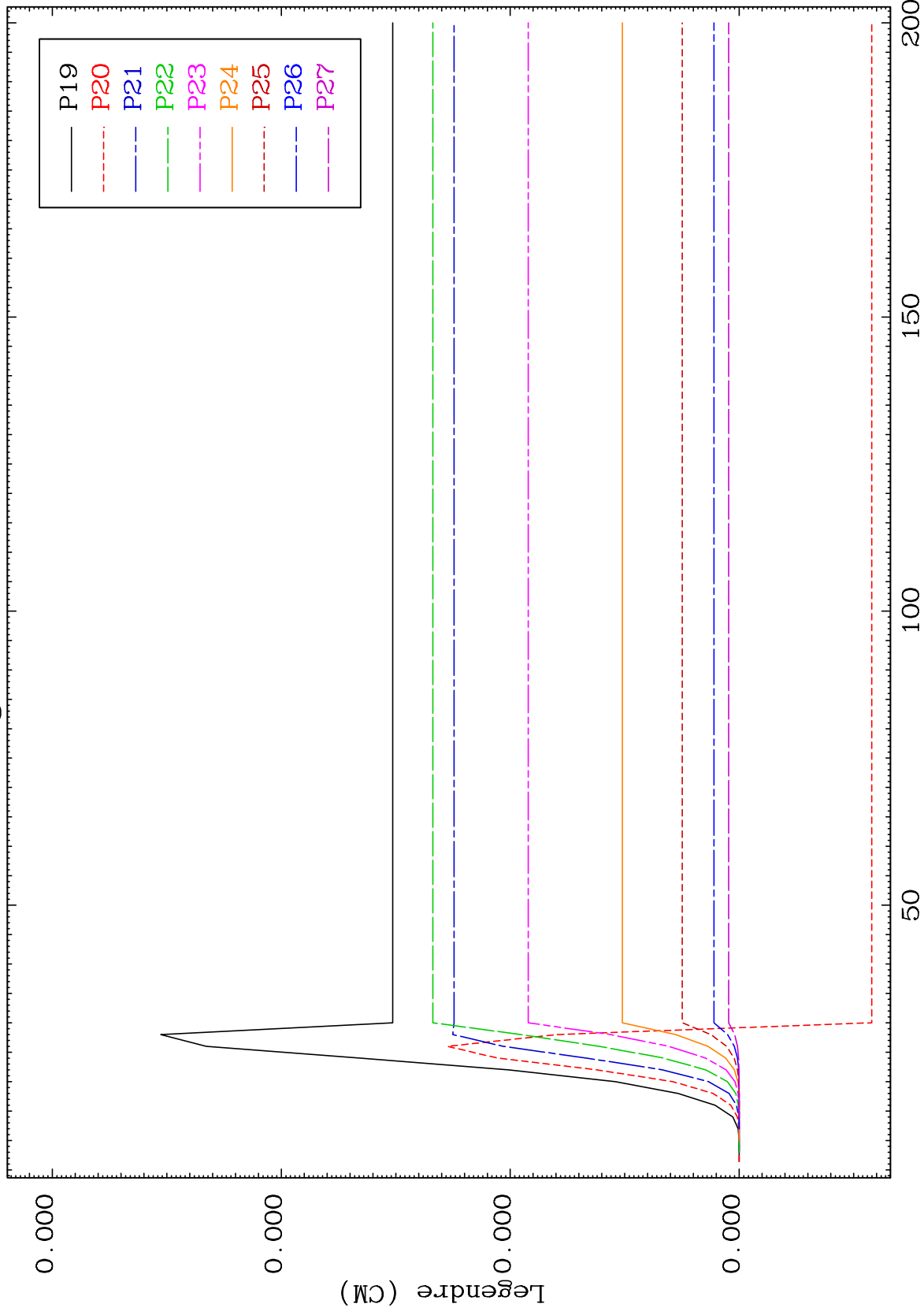
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

81-T1-187



70

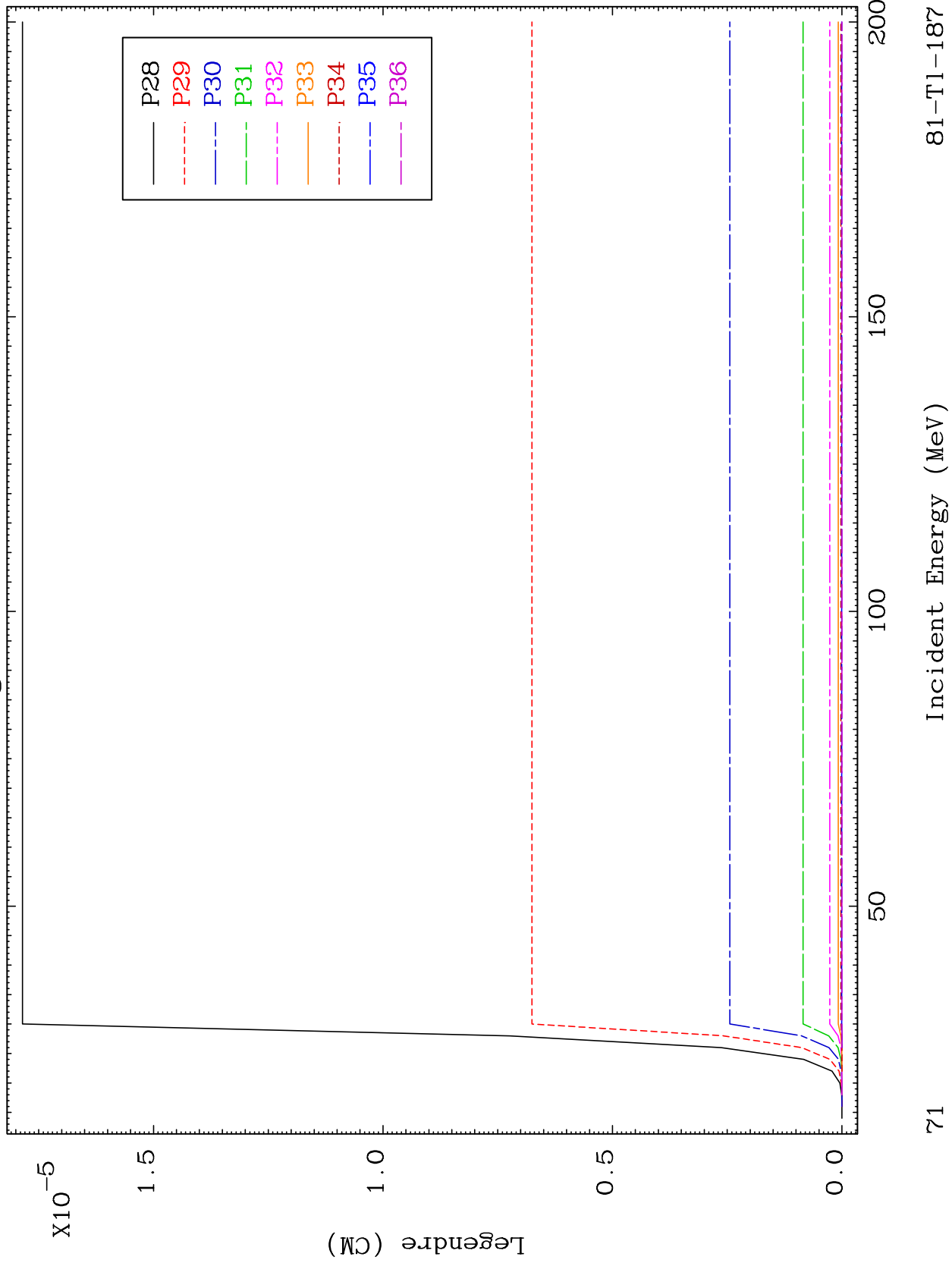
Incident Energy (MeV)

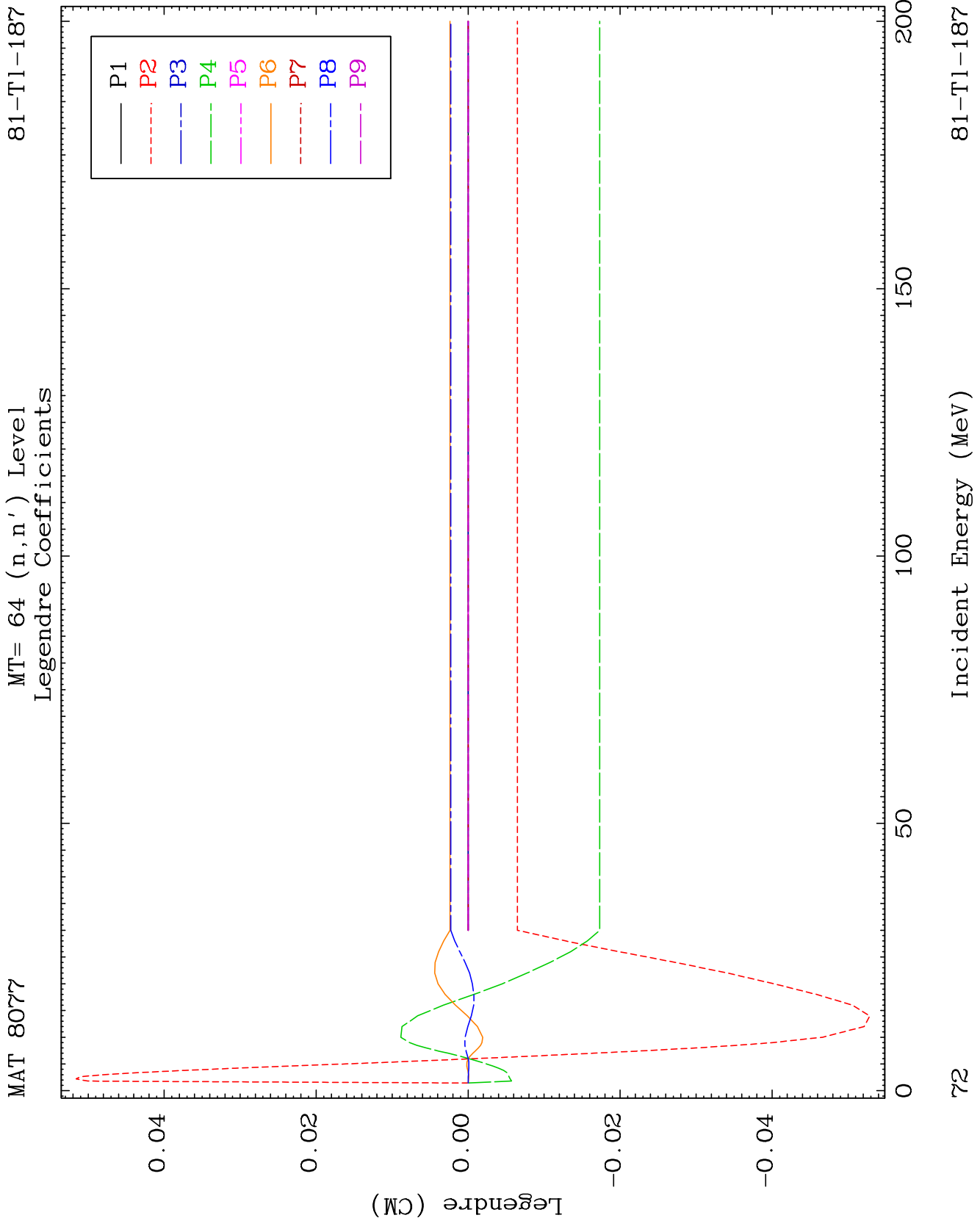
81-T1-187

MAT 8077

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

81-Tl-187





81-Tl-187

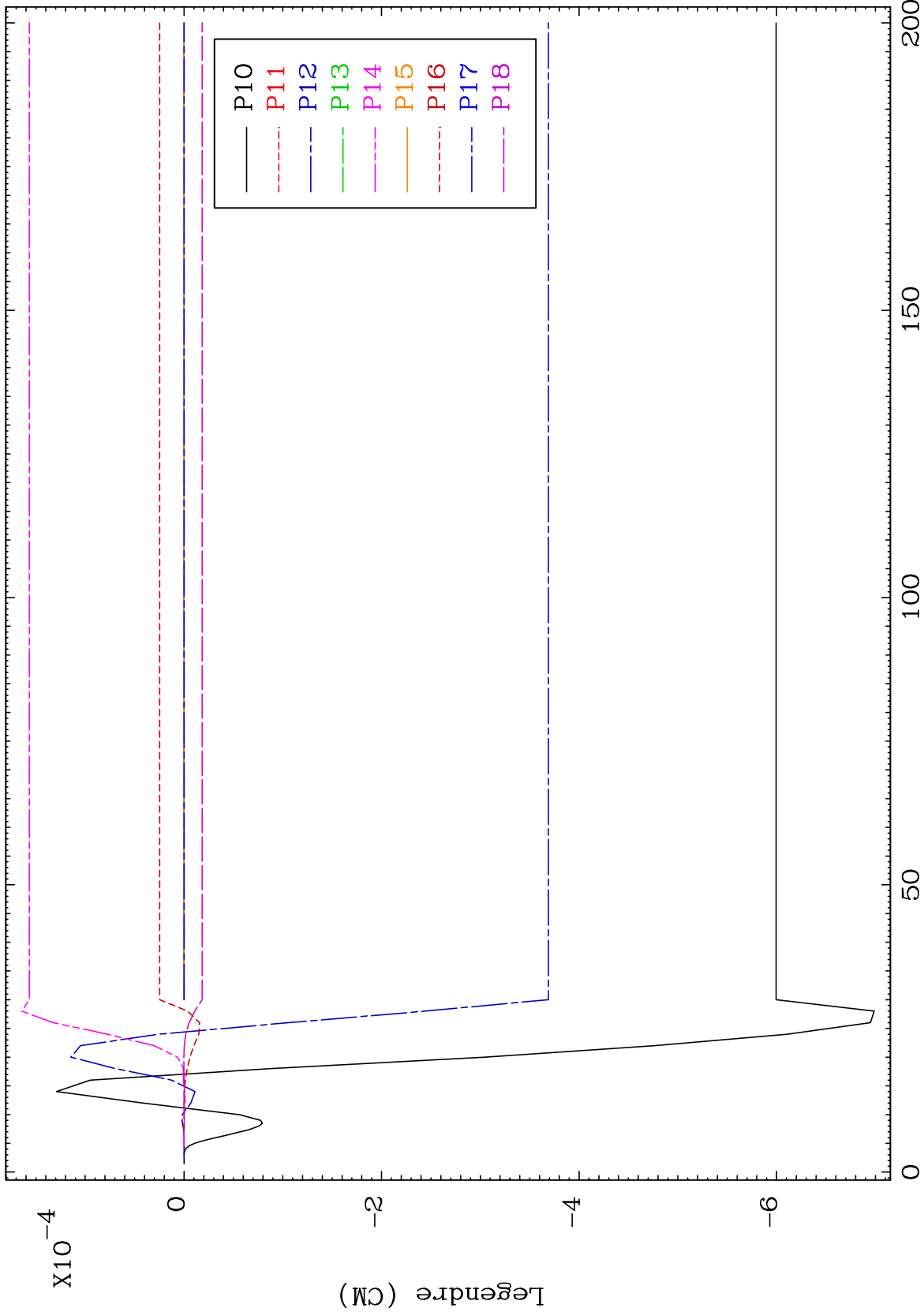
Incident Energy (MeV)

72

MAT 8077

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

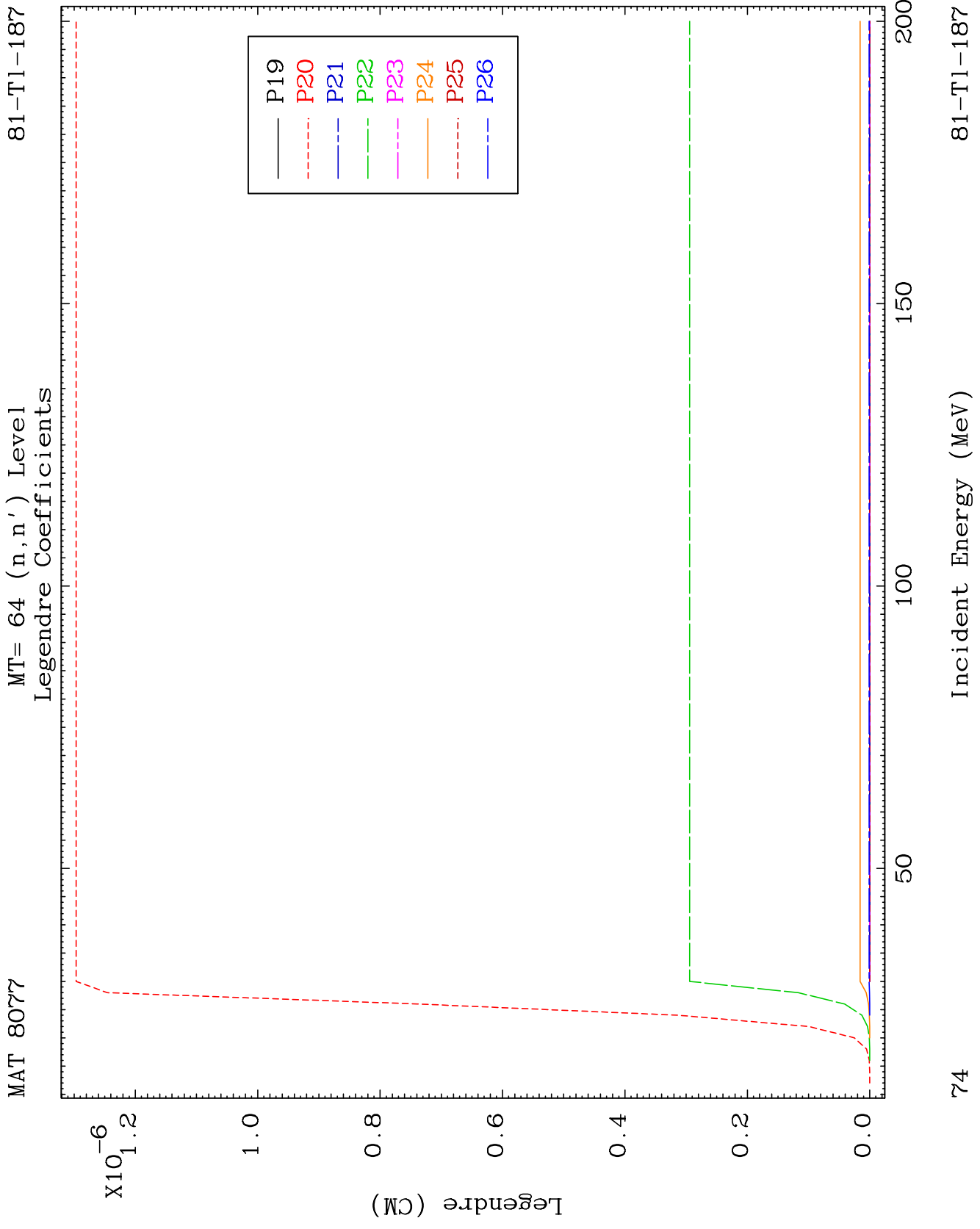
81-Tl-187



73

Incident Energy (MeV)

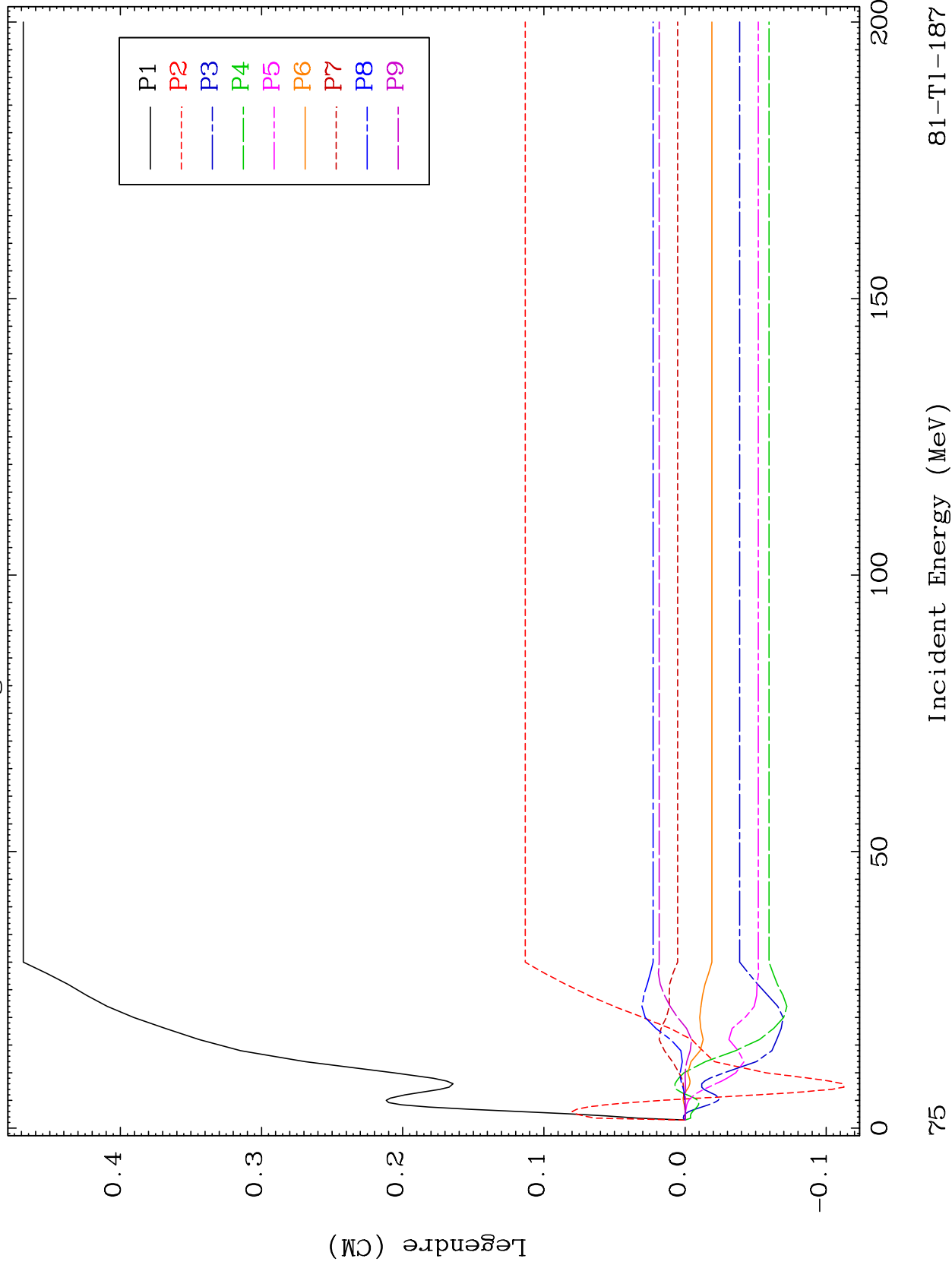
81-Tl-187



MAT 80777

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

81-Tl-187



81-Tl-187

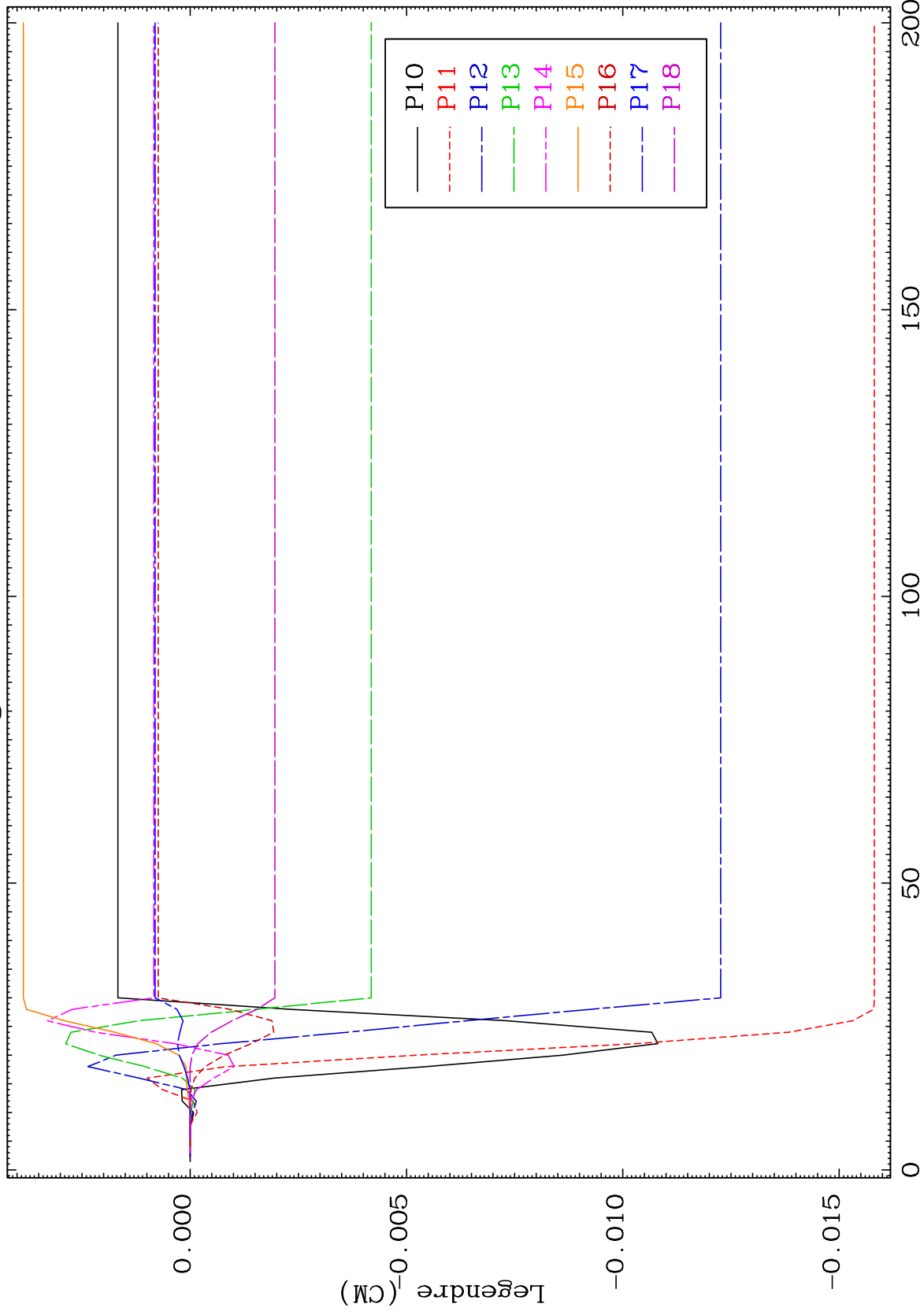
Incident Energy (MeV)

75

MAT 80777

81-Tl-187

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



76

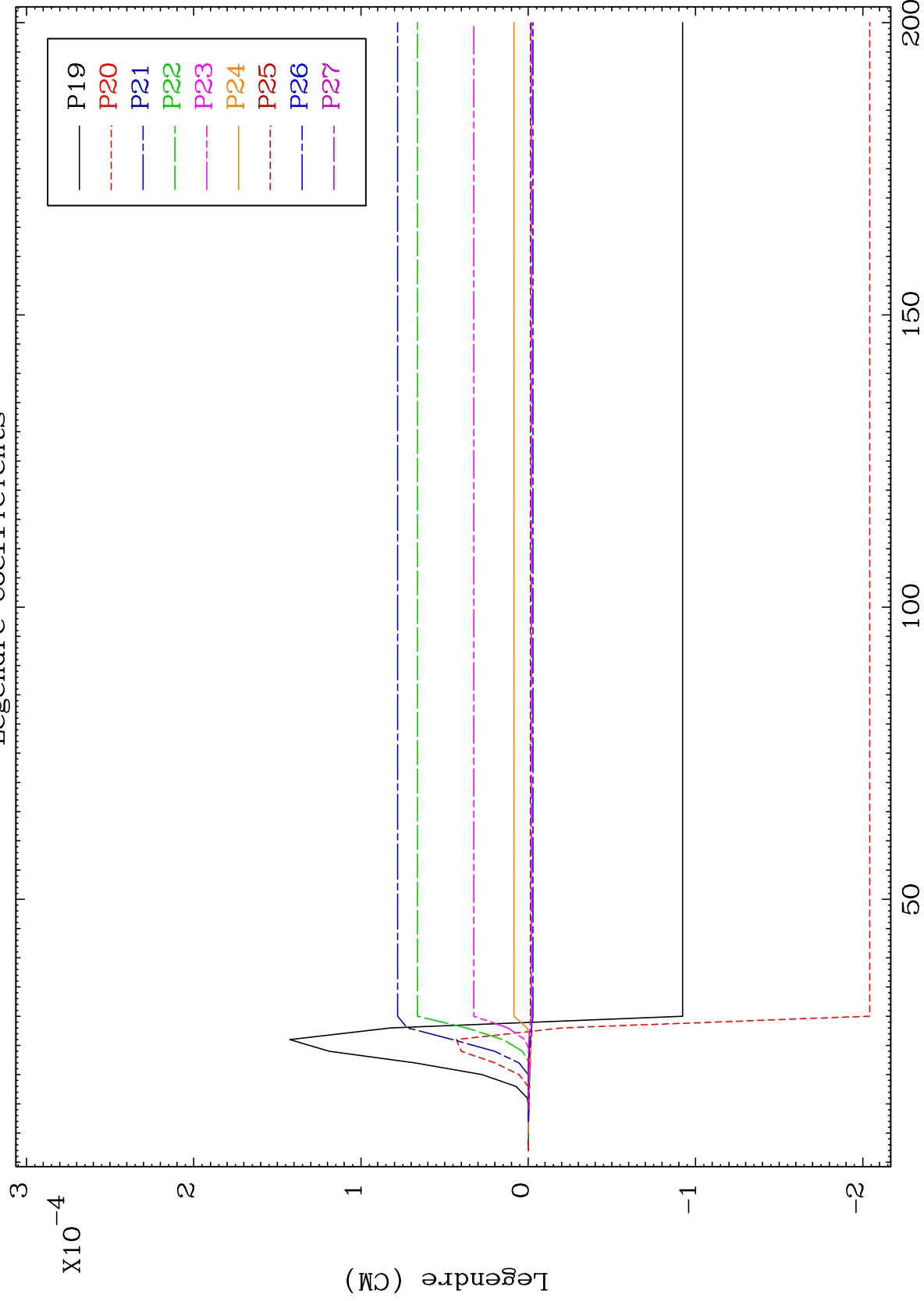
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

81-T1-187



77

Incident Energy (MeV)

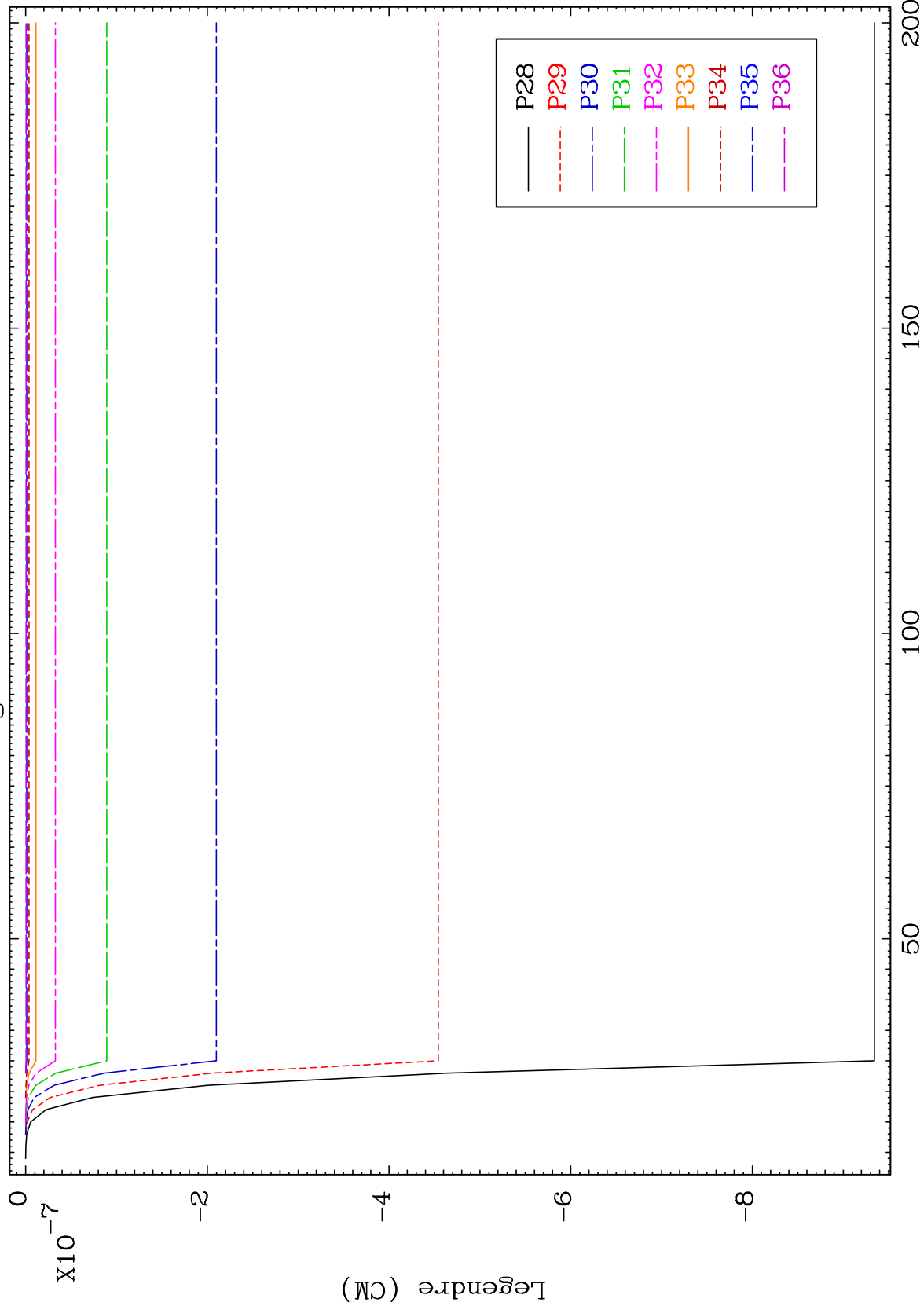
81-T1-187

MAT 8077

MT= 65 (n,n') Level

81-Tl-187

Legendre Coefficients



78

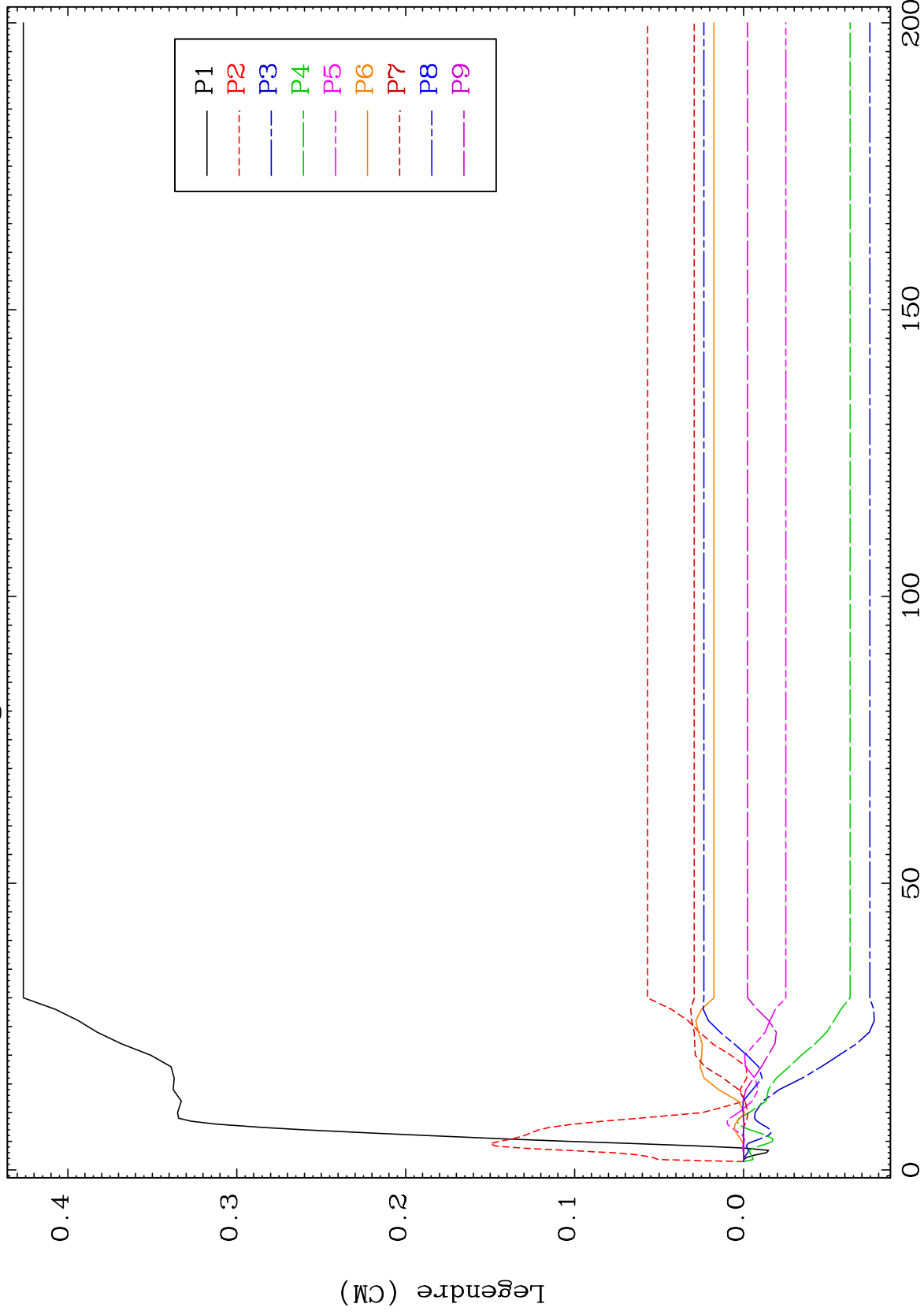
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

81-T1-187



79

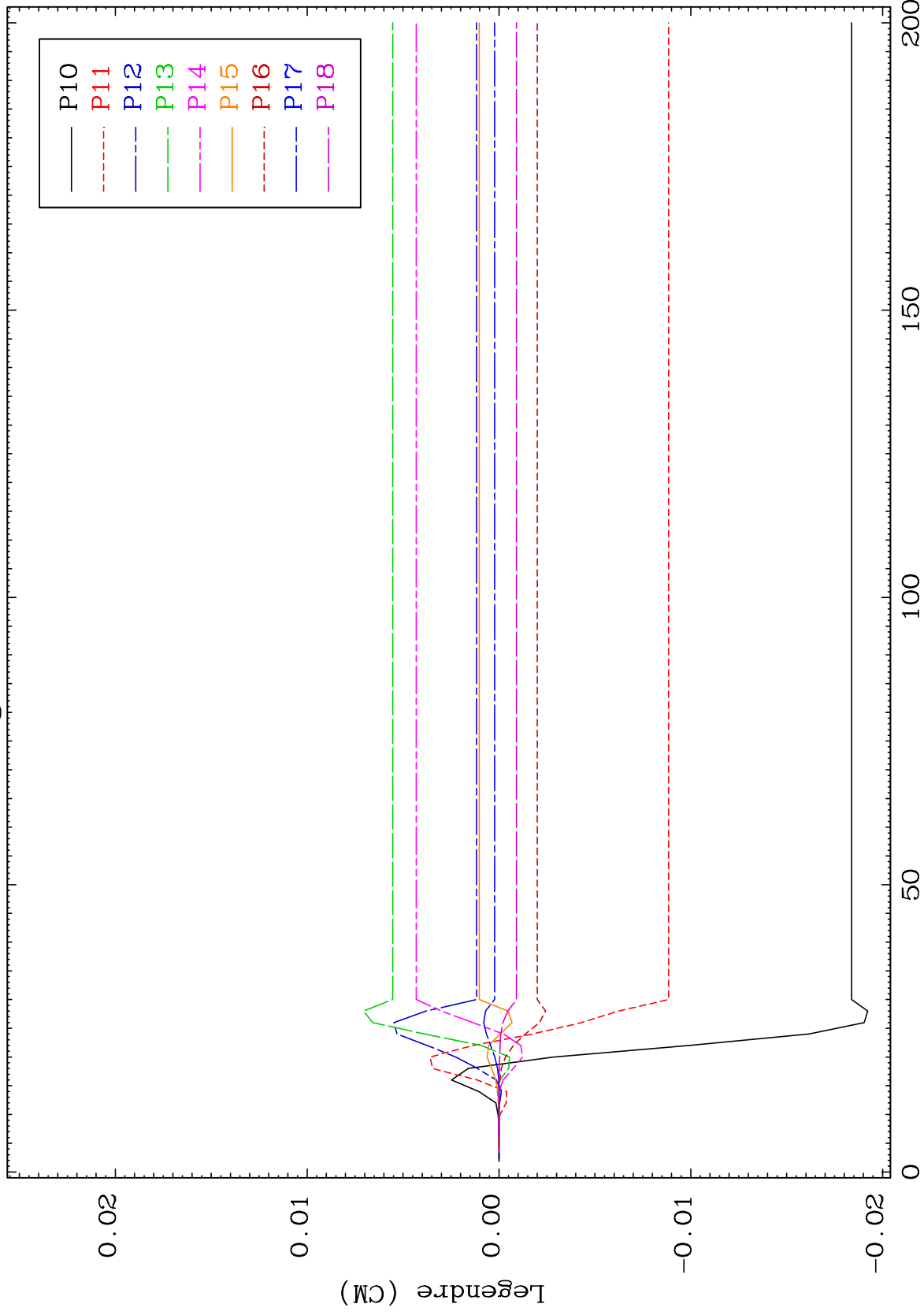
Incident Energy (MeV)

81-T1-187

MAT 80777

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

81-Tl-187



80

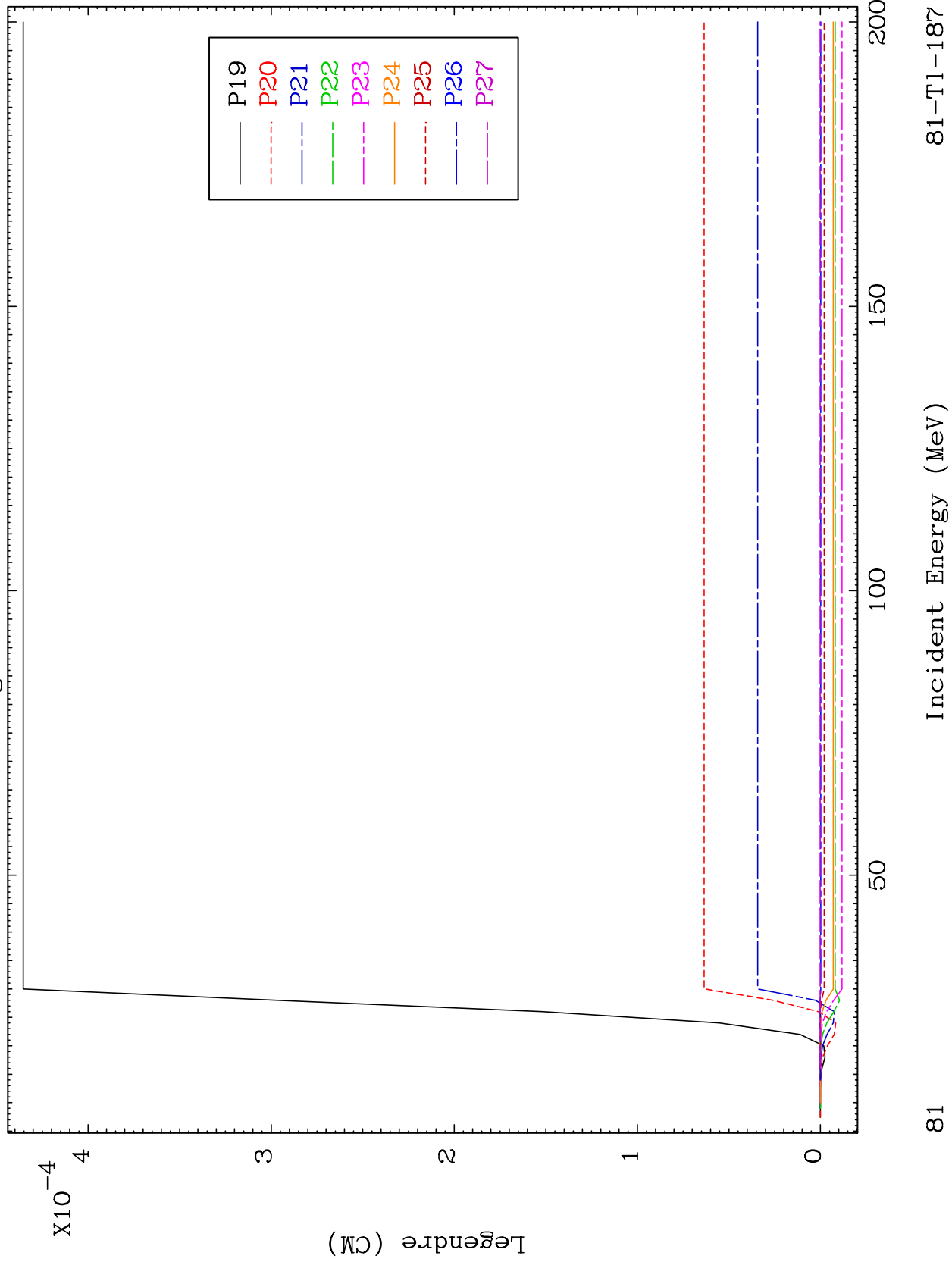
Incident Energy (MeV)

81-Tl-187

MAT 80777

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

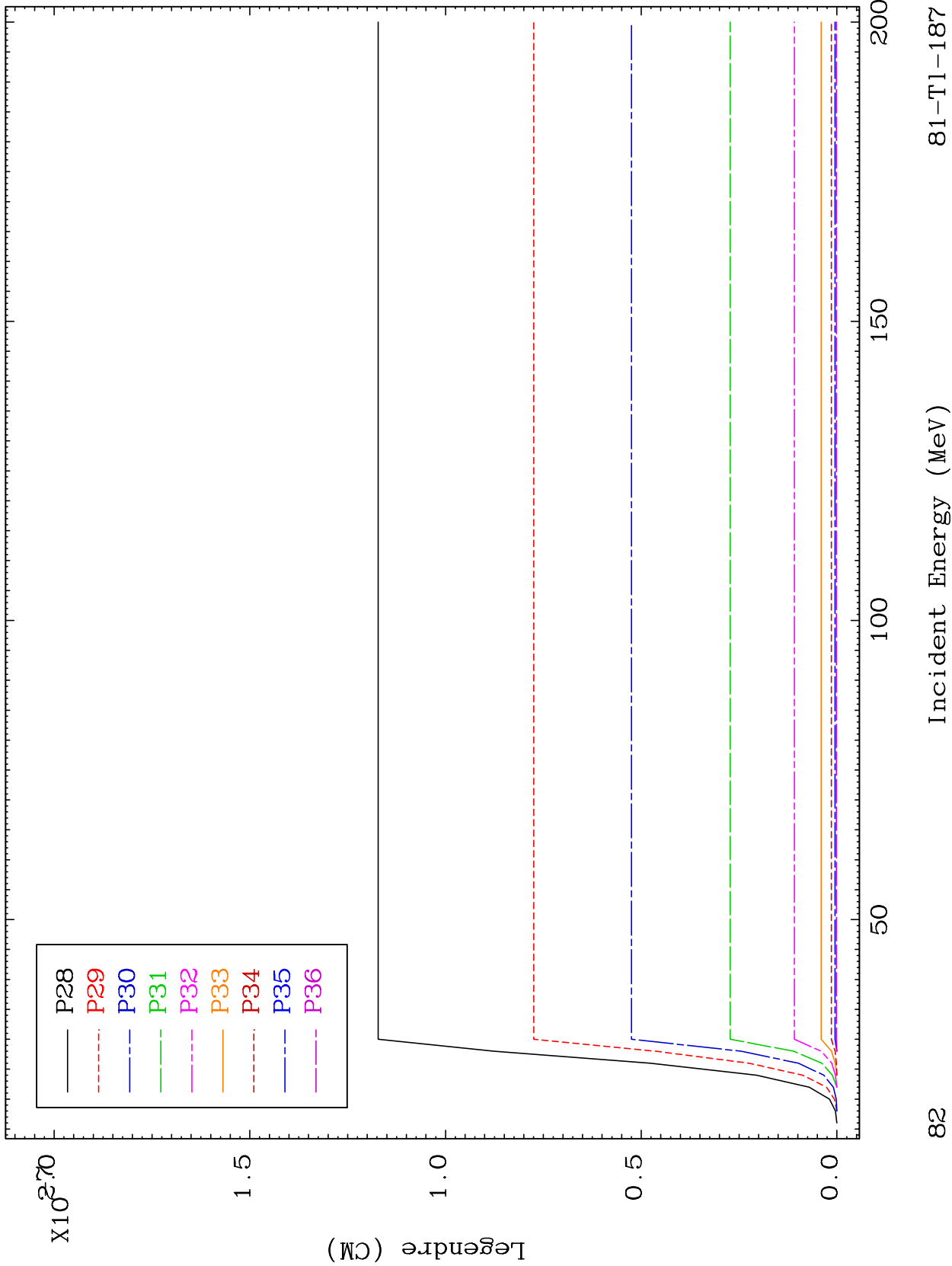
81-Tl-187

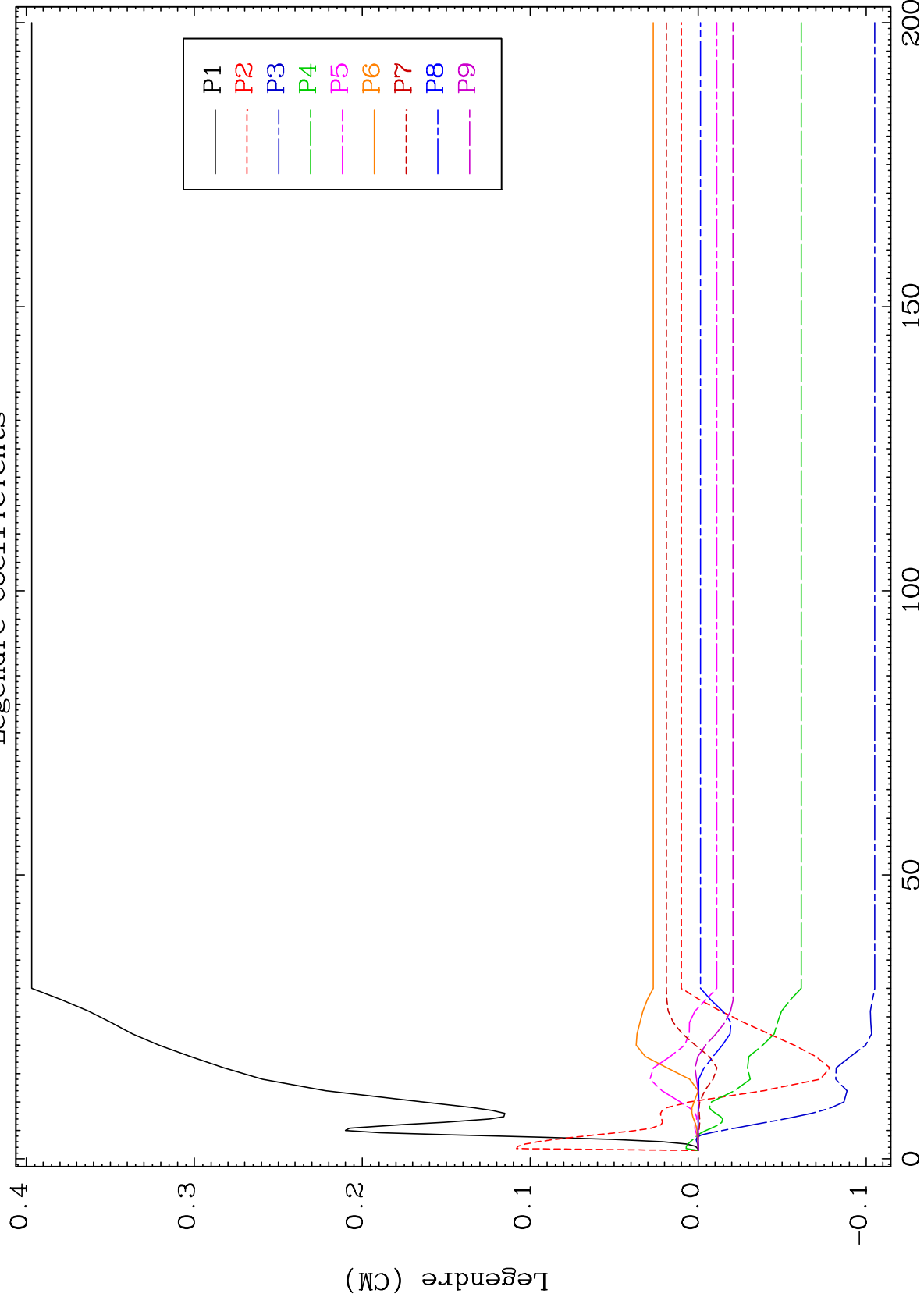


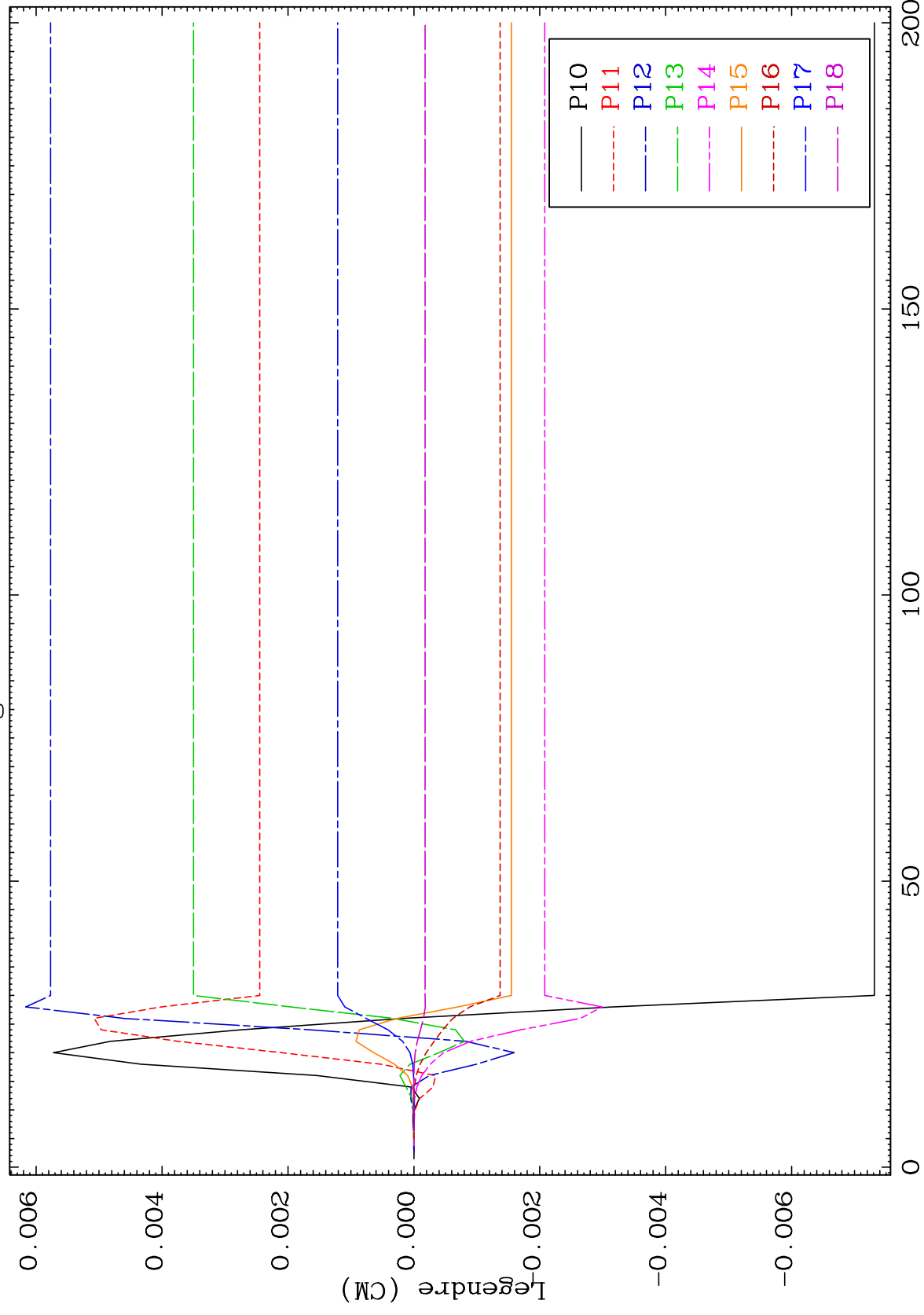
81

Incident Energy (MeV)

81-Tl-187



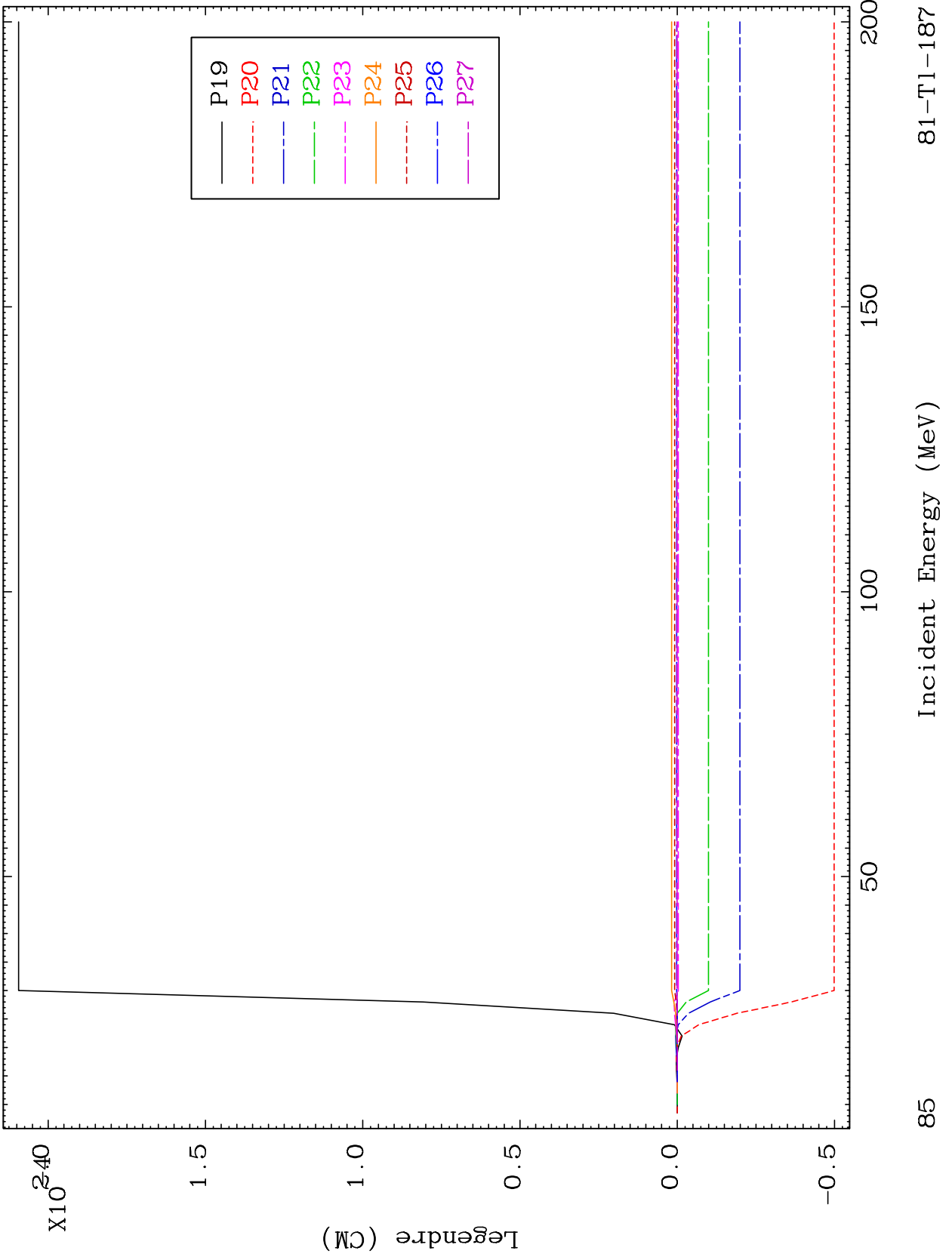




MAT 80777

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

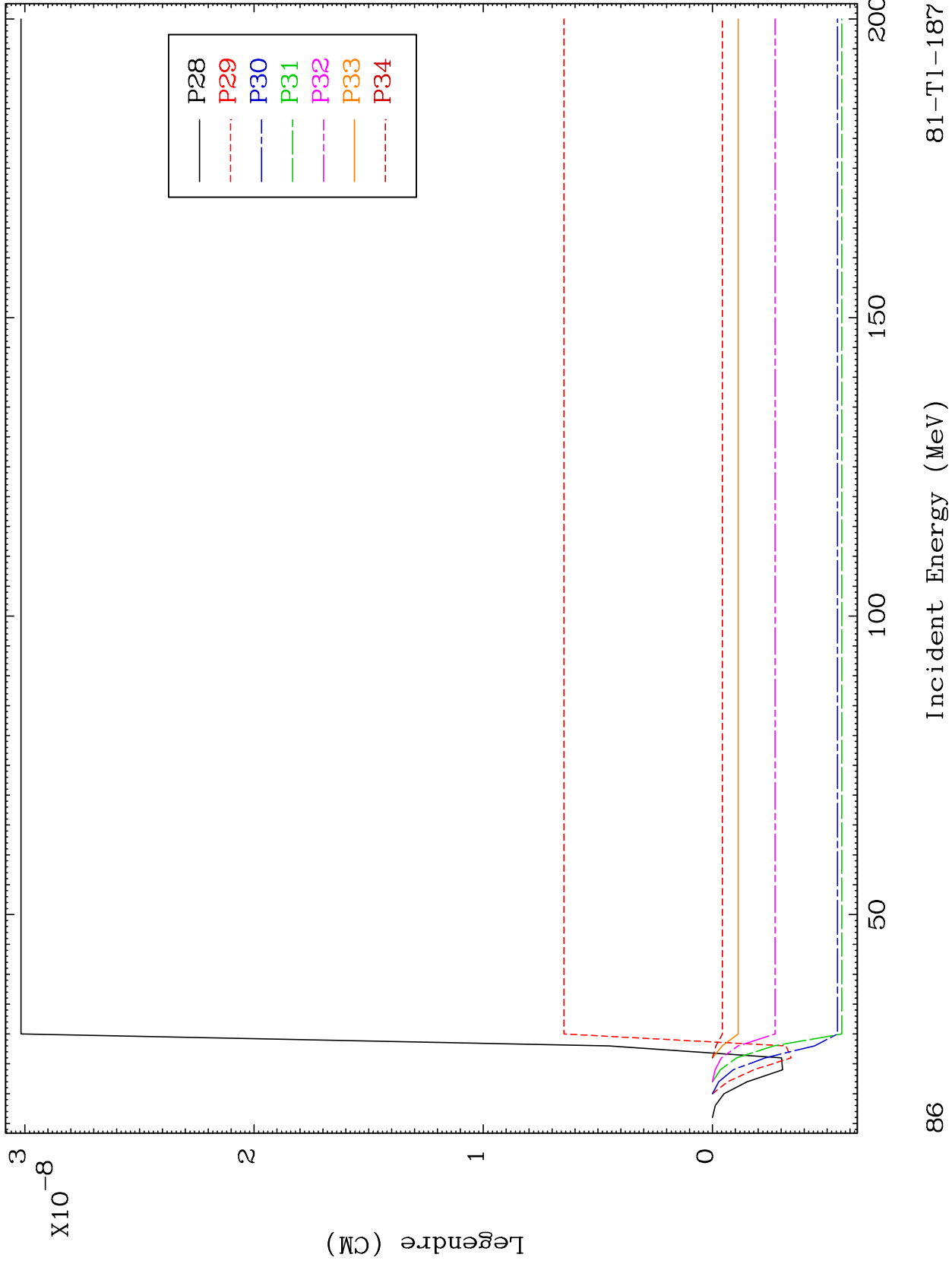
81-Tl-187



MAT 8077

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

81-T1-187



86

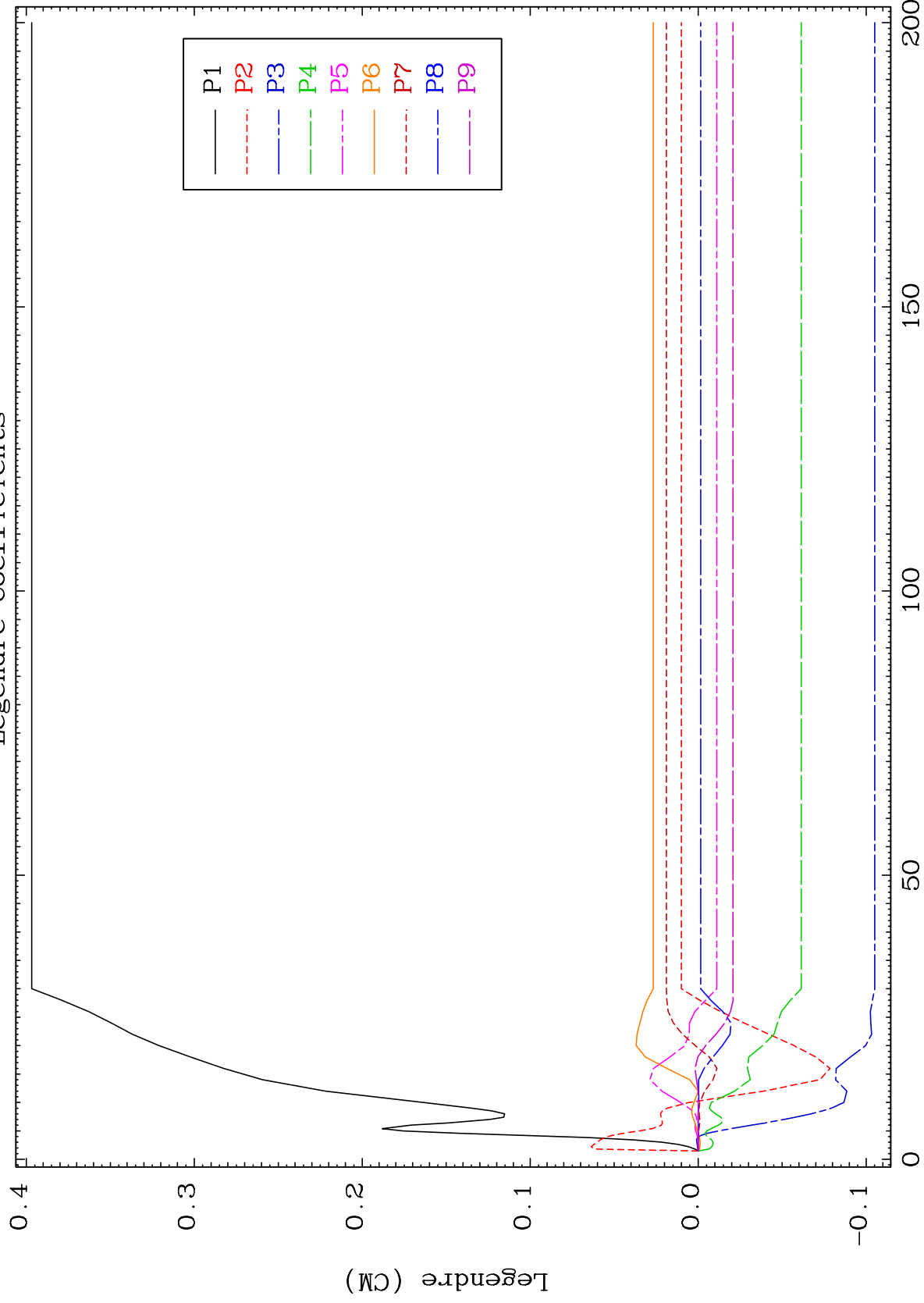
Incident Energy (MeV)

81-T1-187

MAT 8077

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

81-T1-187



87

Incident Energy (MeV)

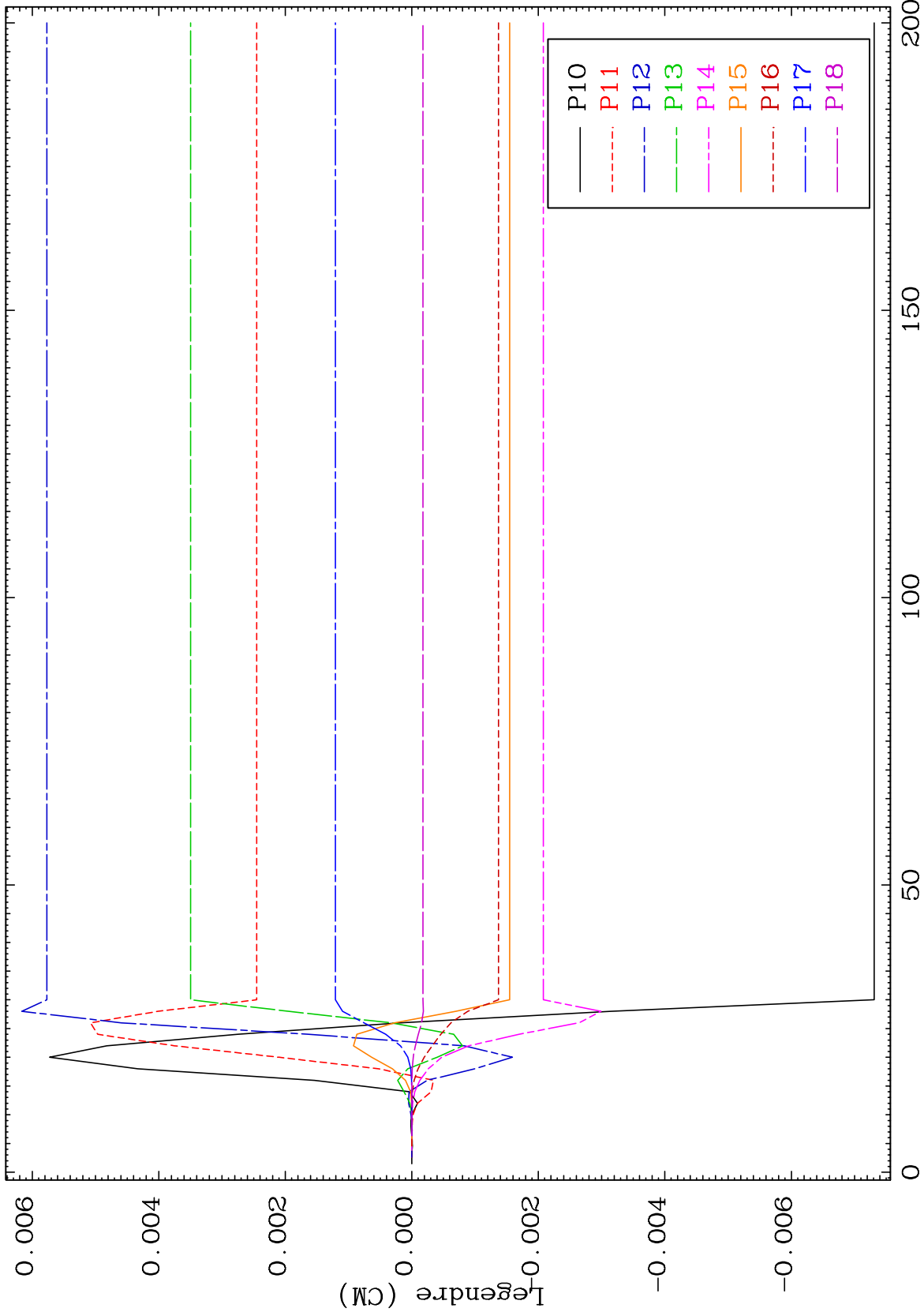
81-T1-187

MAT 8077

MT= 68 (n,n') Level

81-Tl-187

Legendre Coefficients



88

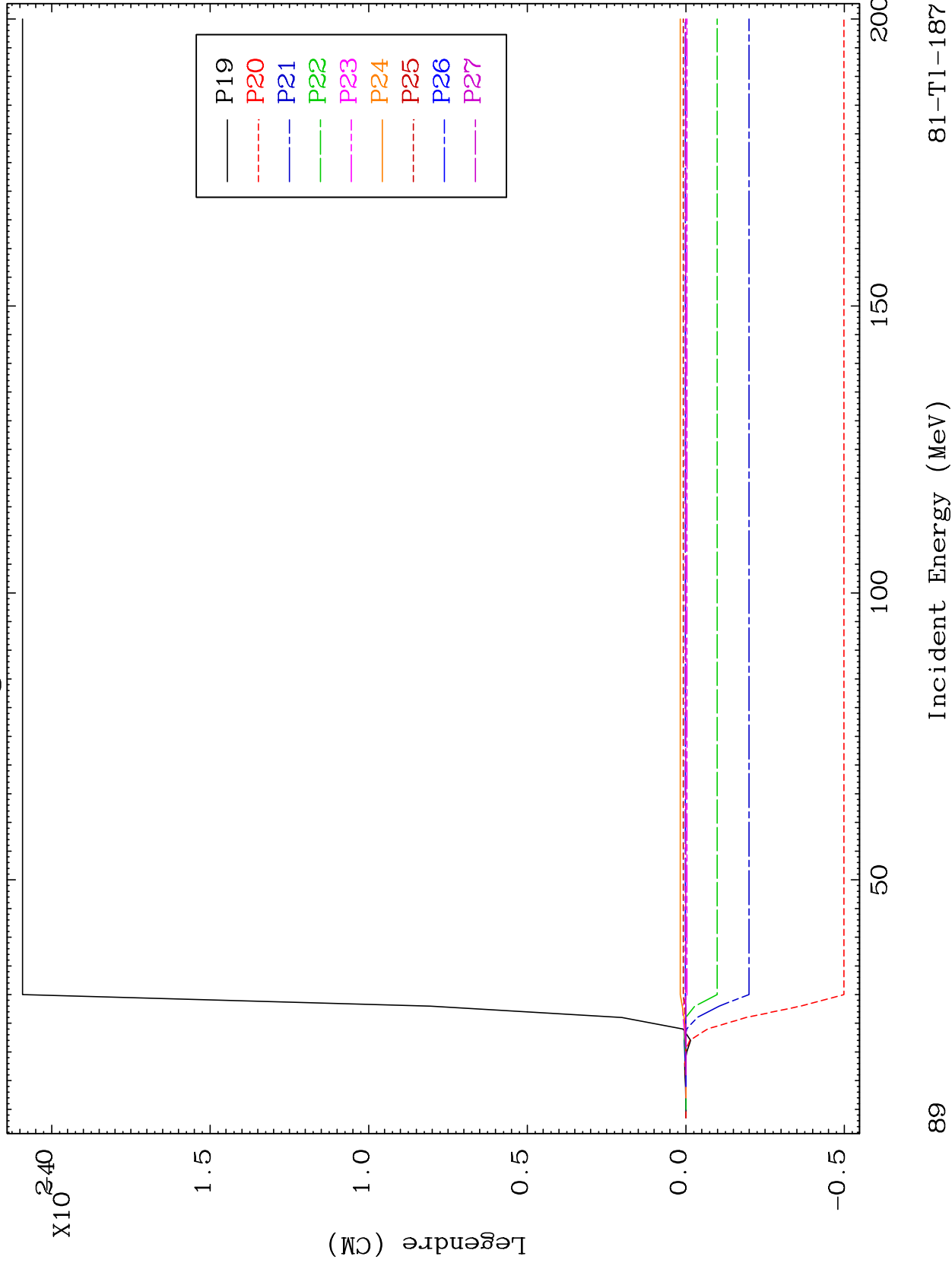
Incident Energy (MeV)

81-Tl-187

MAT 80777

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

81-Tl-187



89

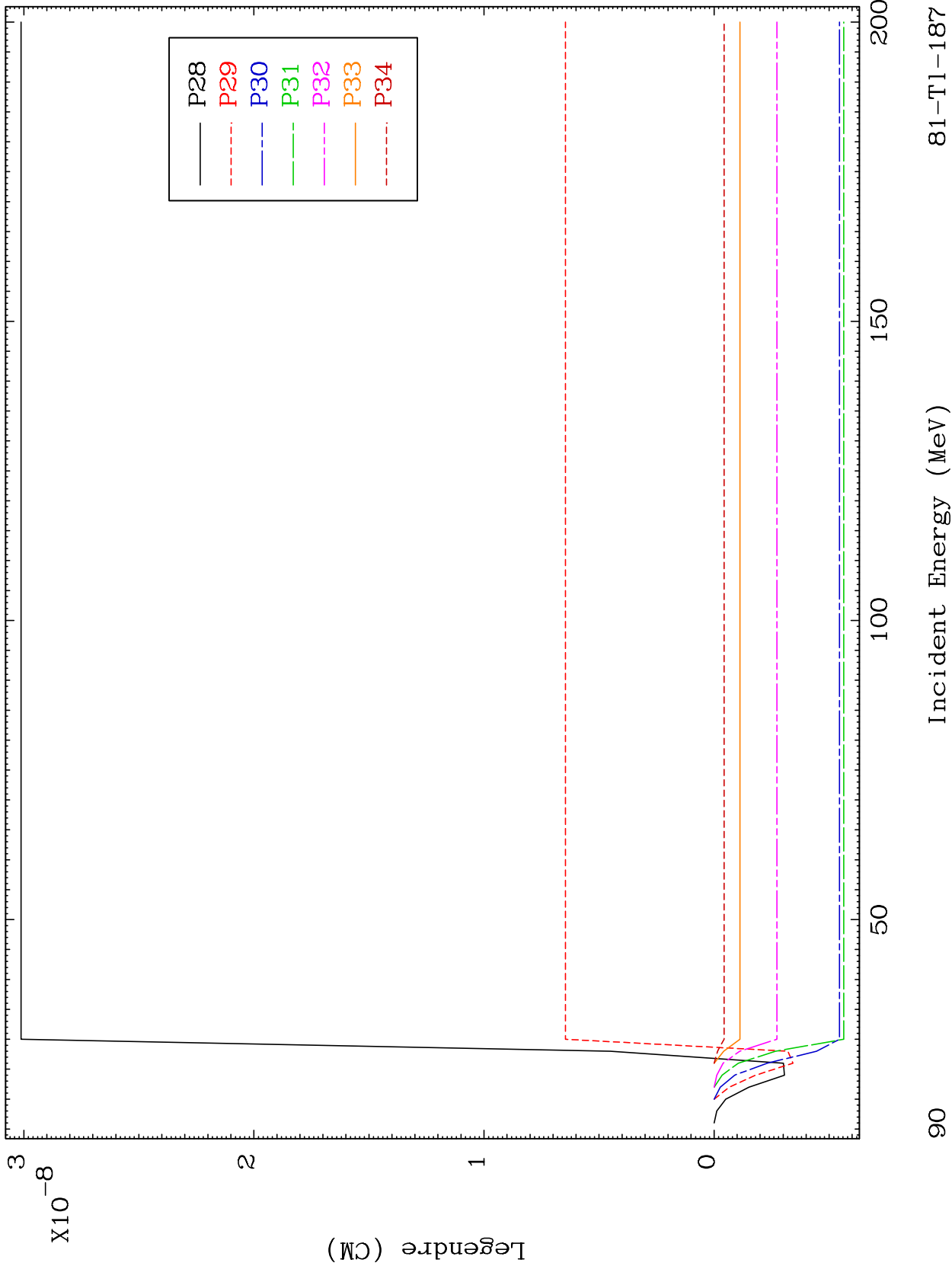
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

81-T1-187



90

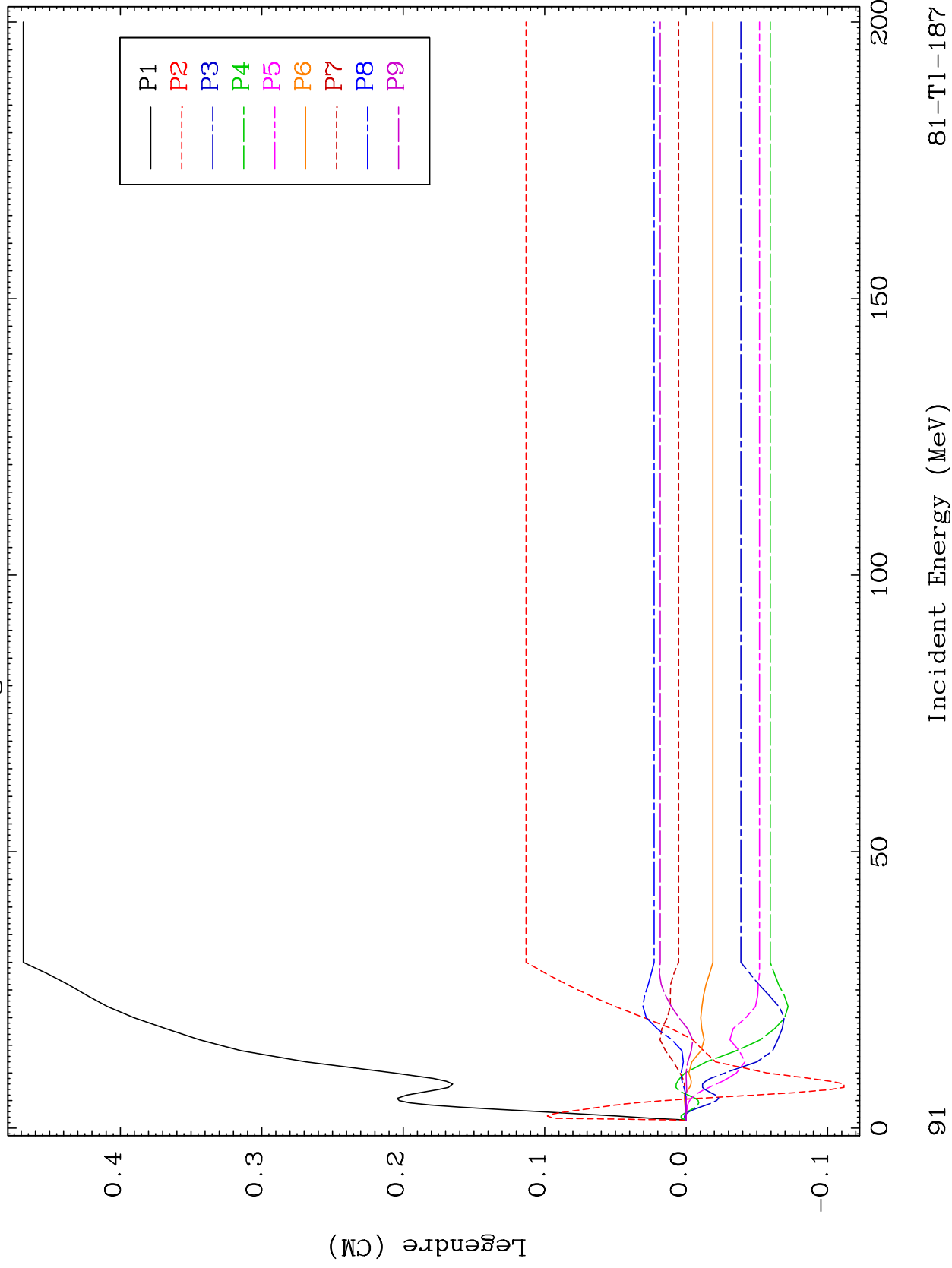
Incident Energy (MeV)

81-T1-187

MAT 80777

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

81-Tl-187



91

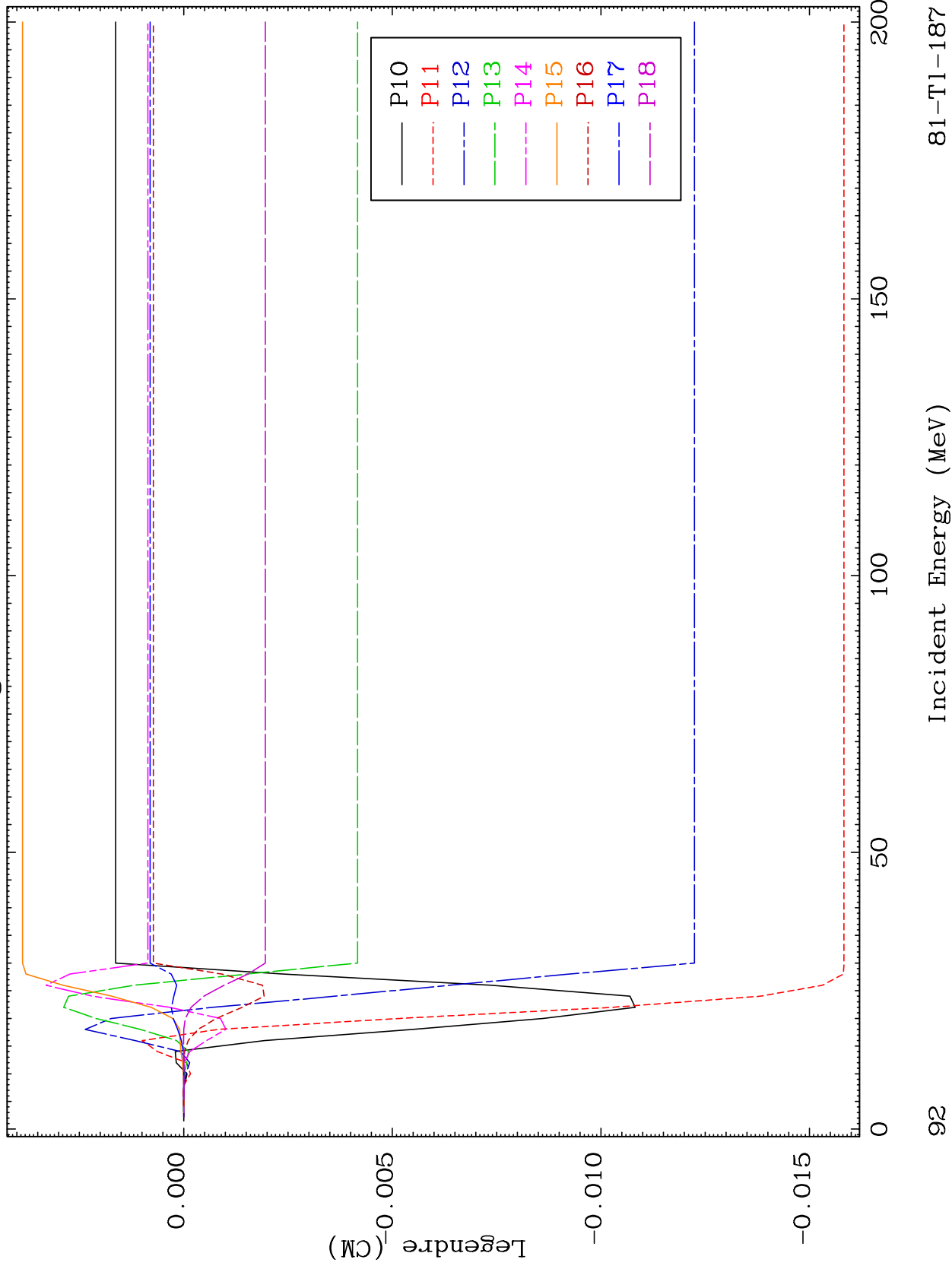
Incident Energy (MeV)

81-Tl-187

MAT 80777

81-Tl-187

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



81-Tl-187

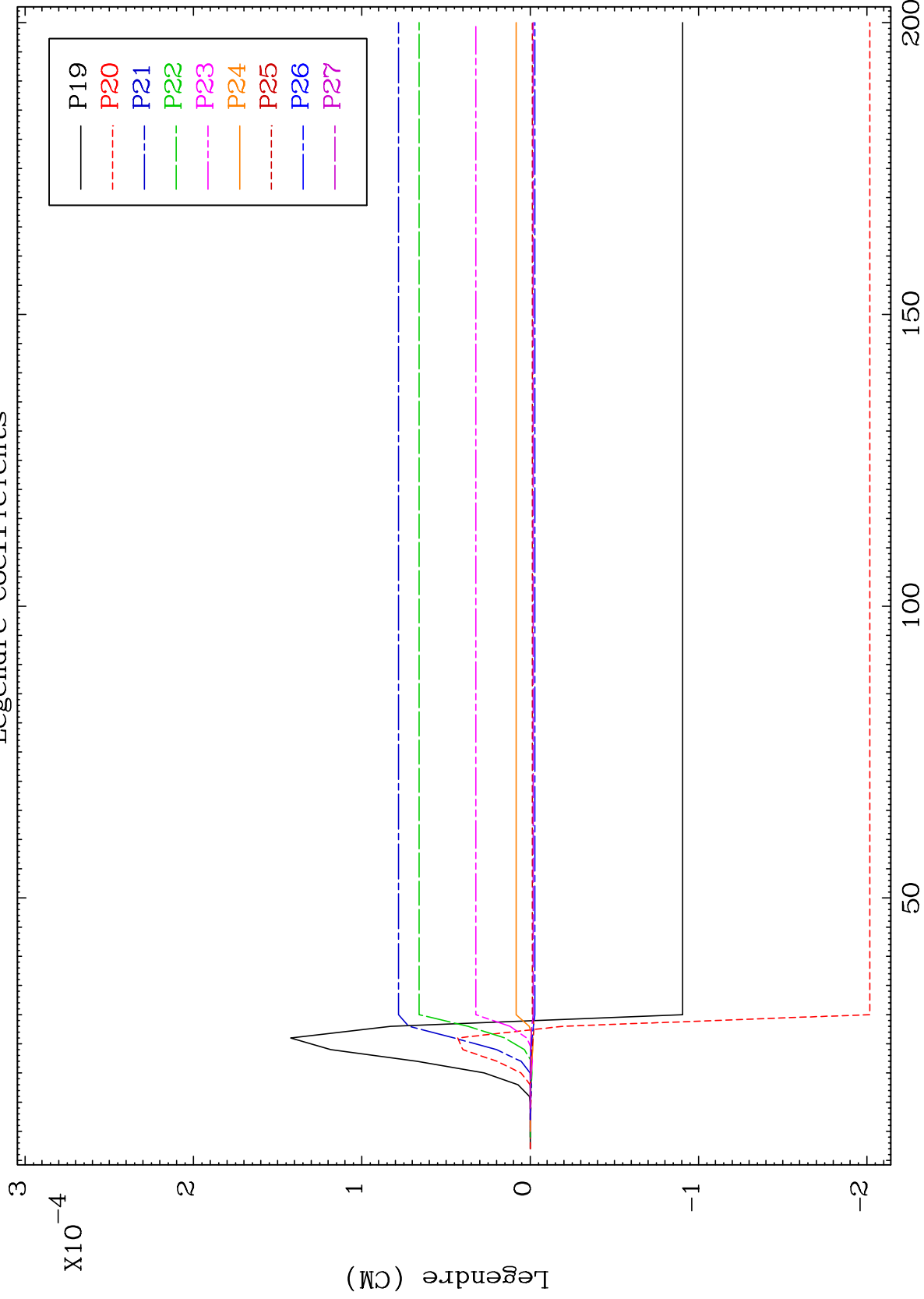
Incident Energy (MeV)

92

MAT 8077

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

81-Tl-187



93

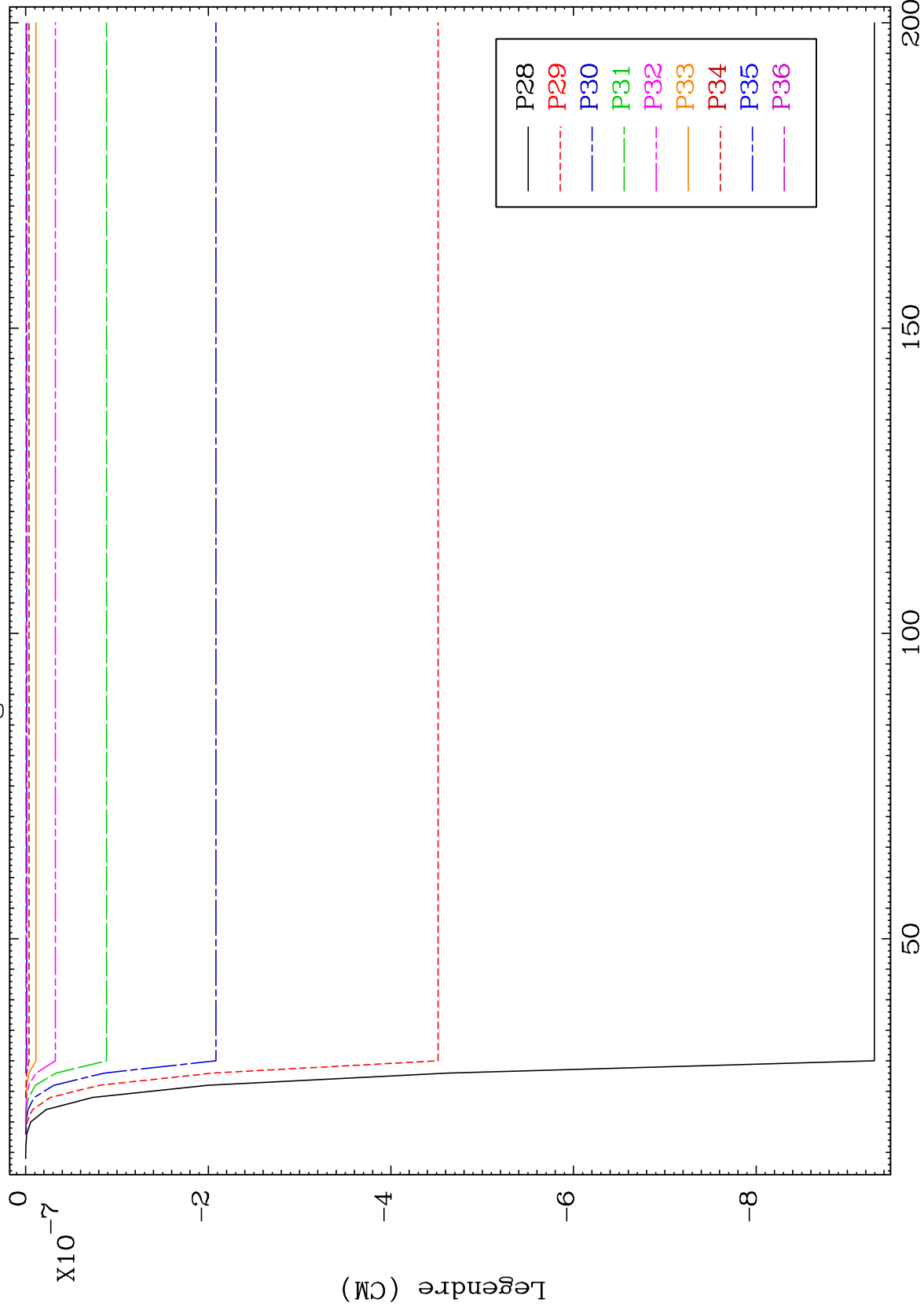
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

81-Tl-187



94

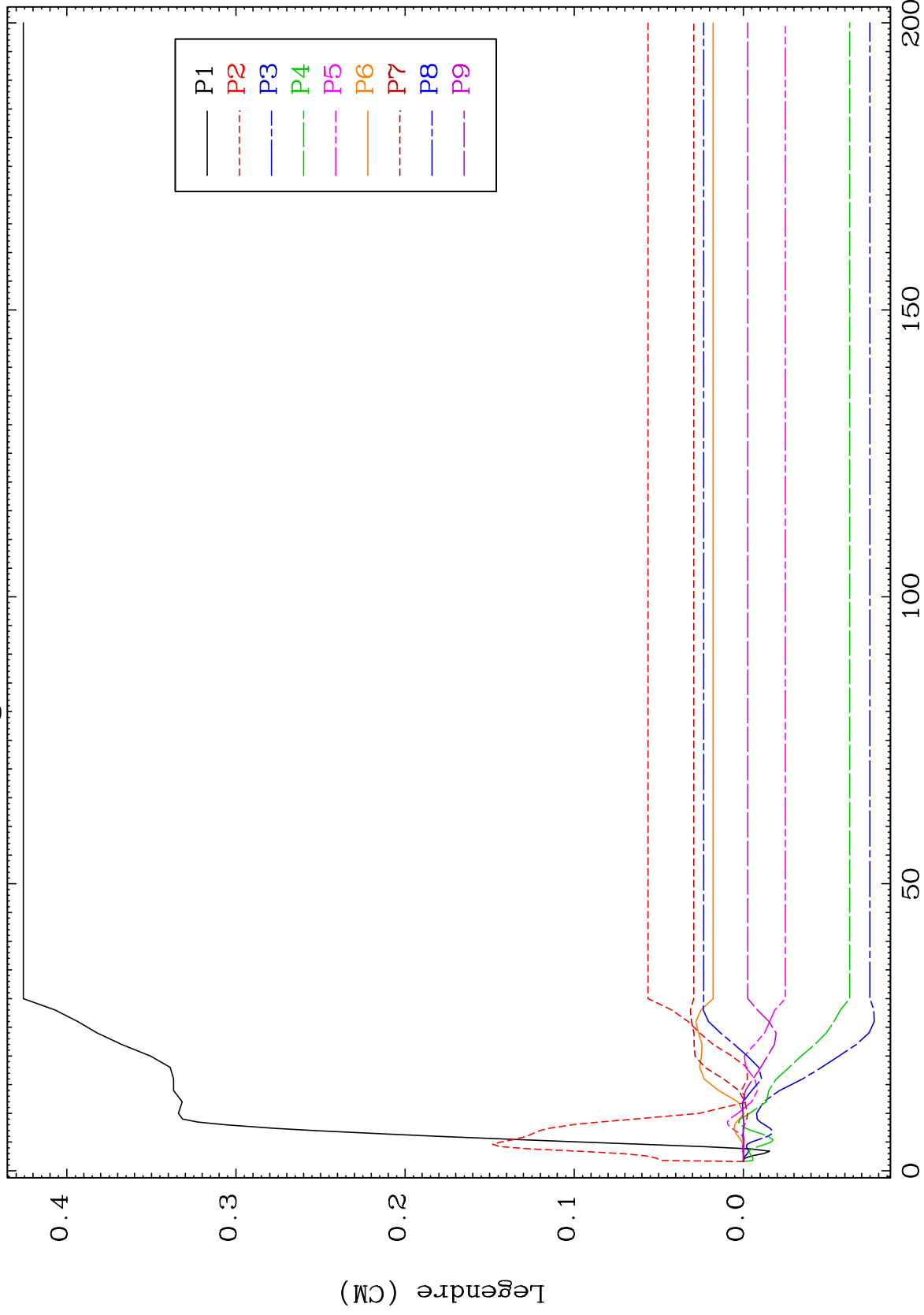
Incident Energy (MeV)

81-Tl-187

MAT 80777

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

81-T1-187



81-T1-187

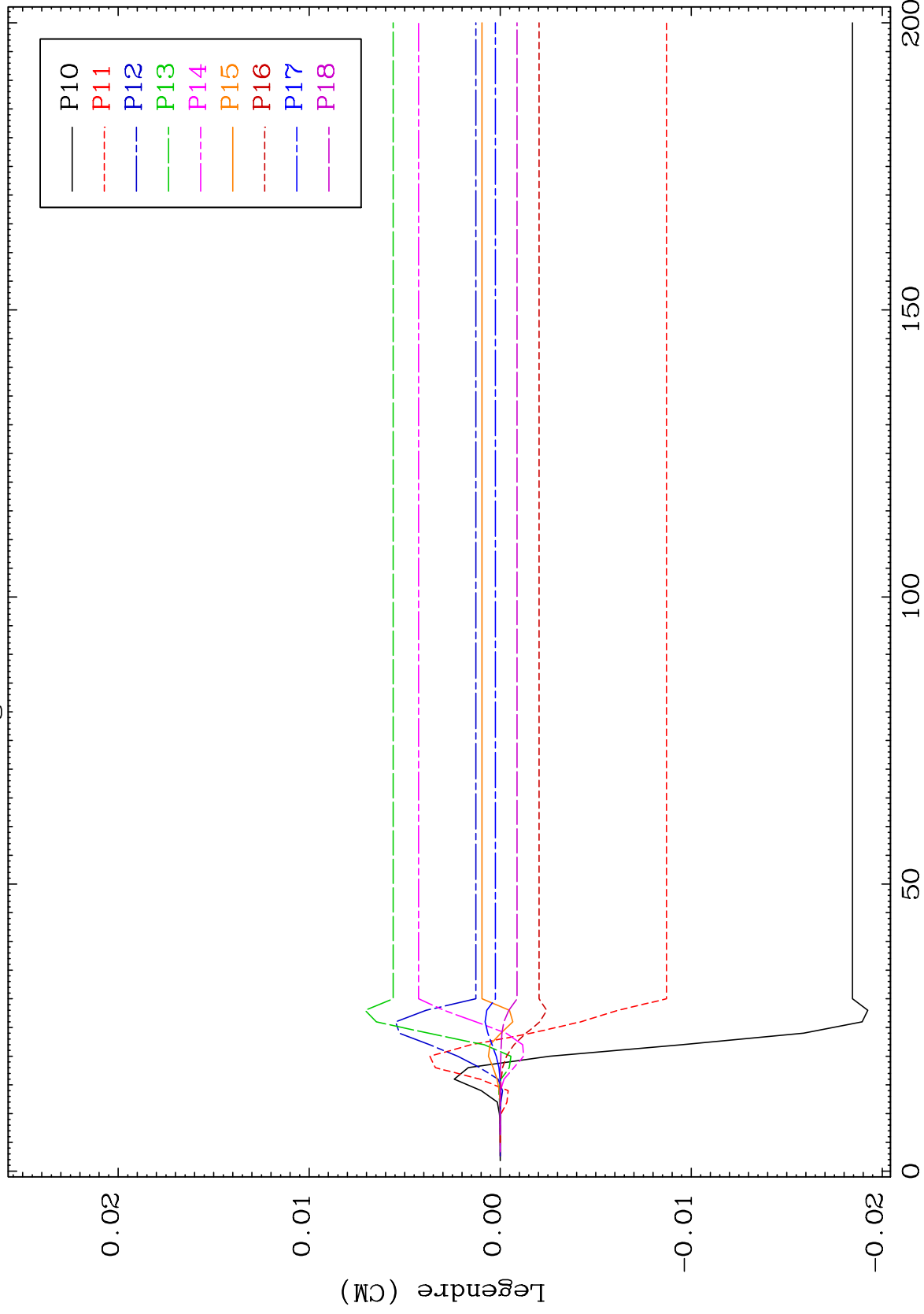
Incident Energy (MeV)

95

MAT 80777

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

81-Tl-187



96

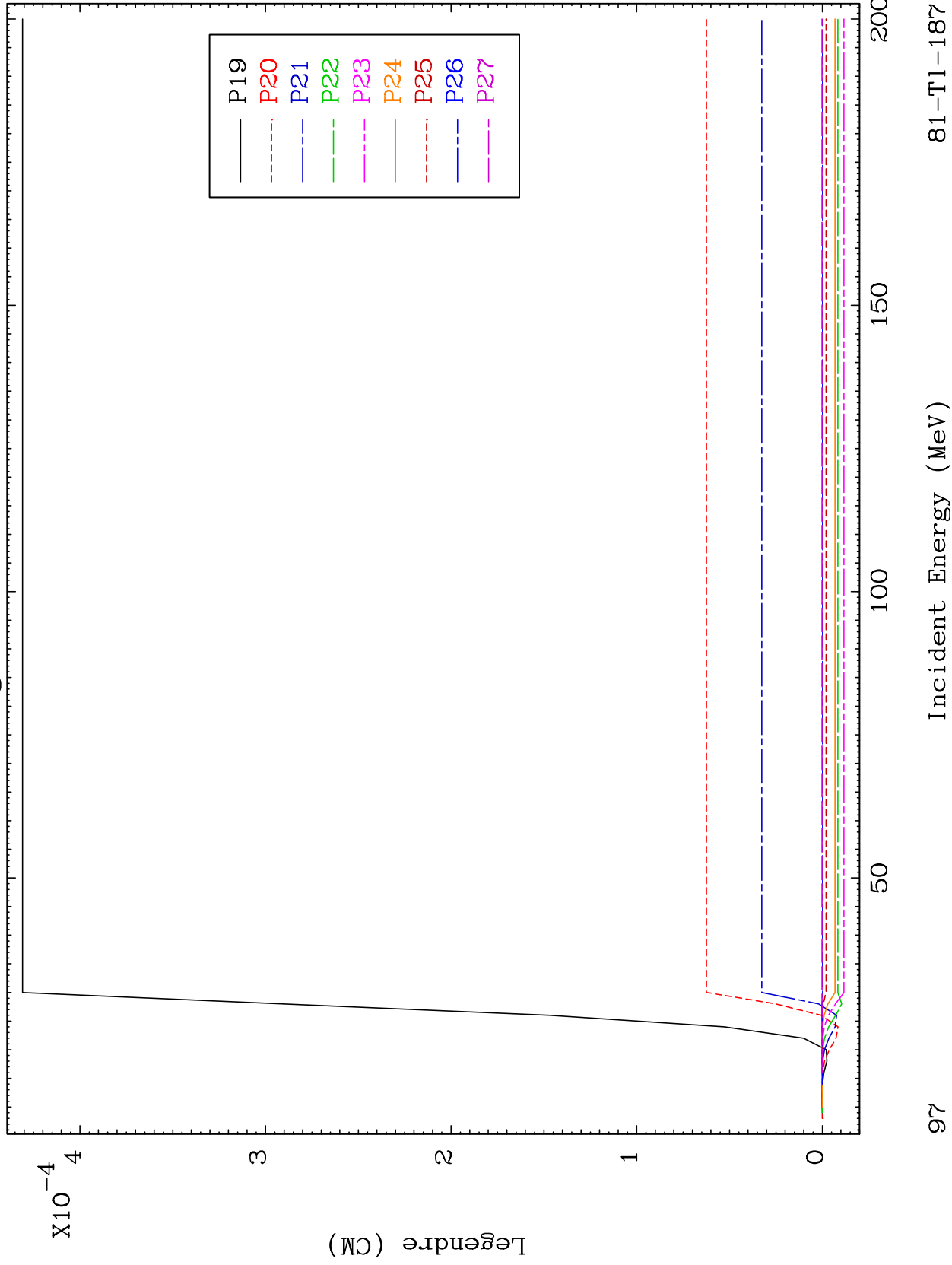
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

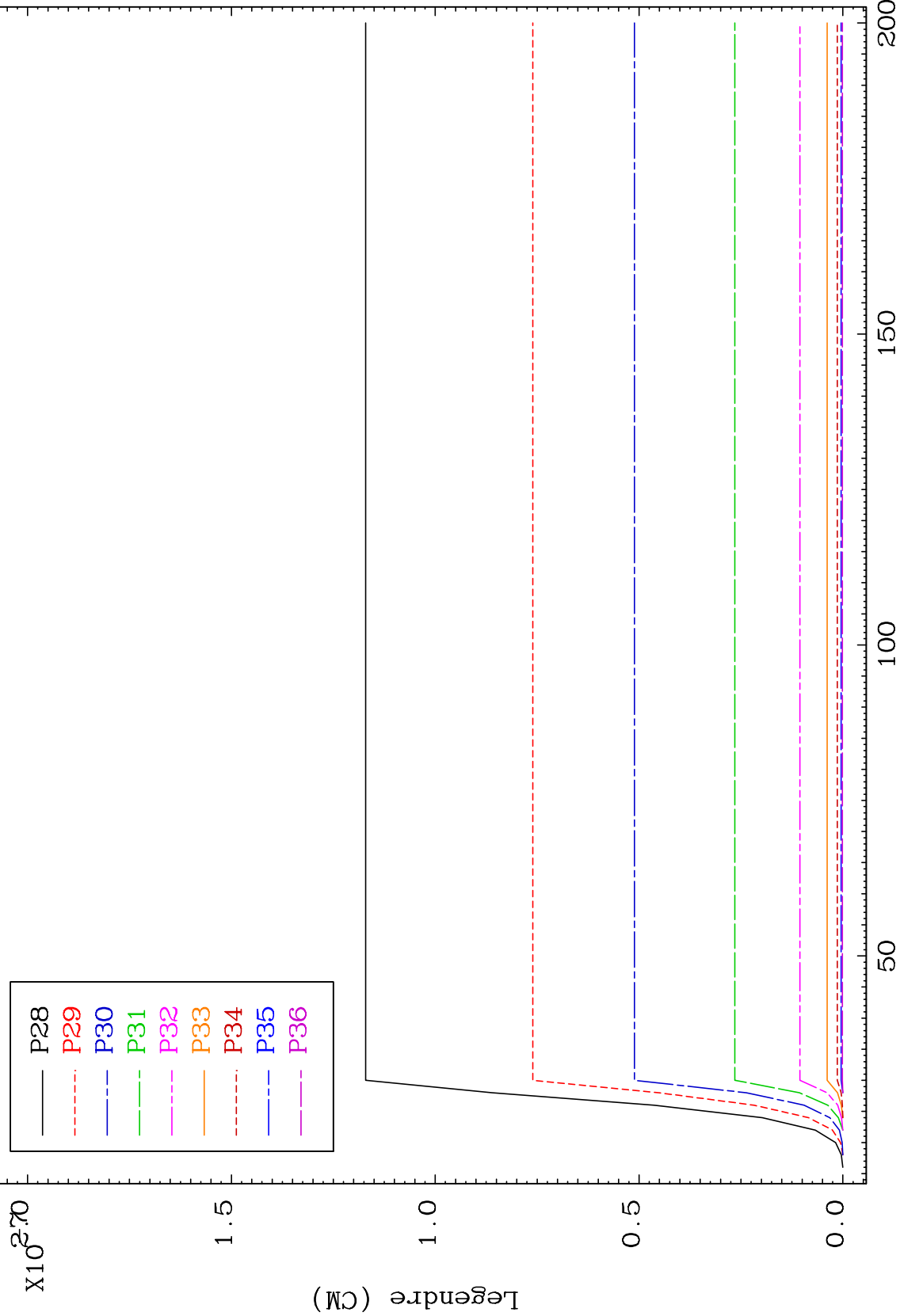
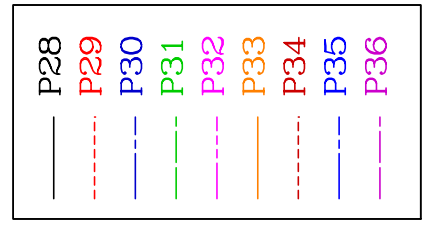
81-Tl-187



MAT 8077

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

81-Tl-187



98

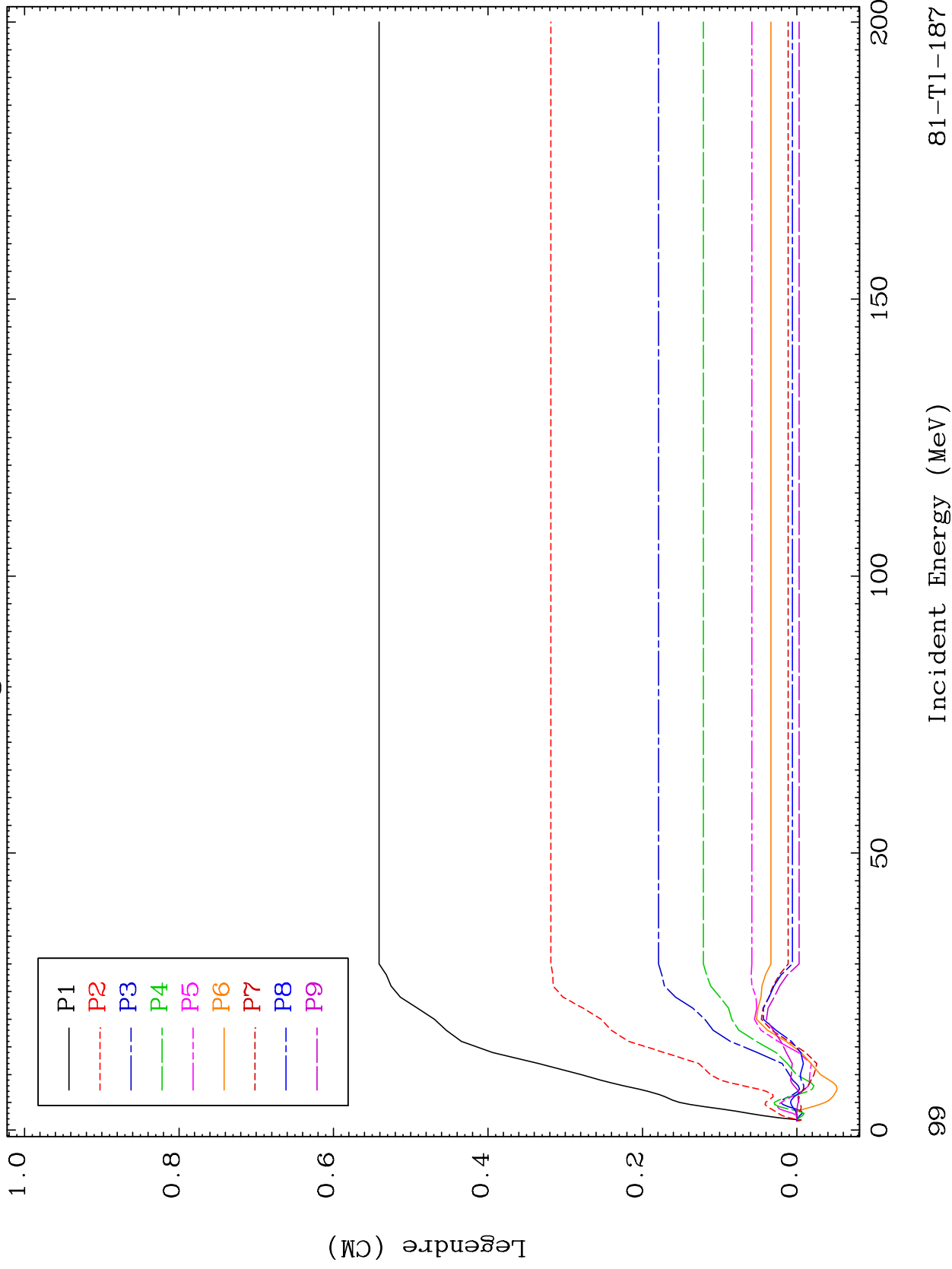
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

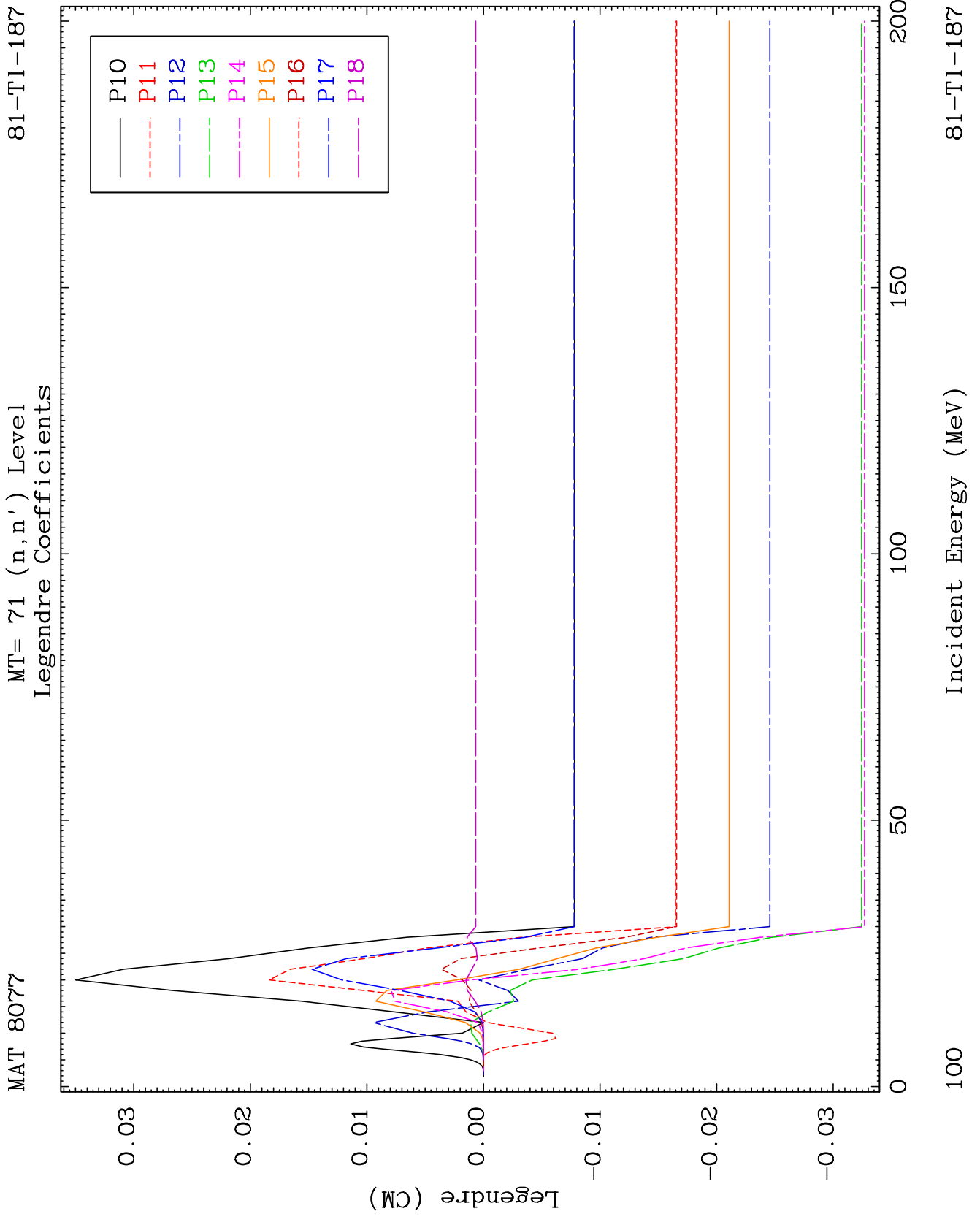
81-Tl-187



81-Tl-187

Incident Energy (MeV)

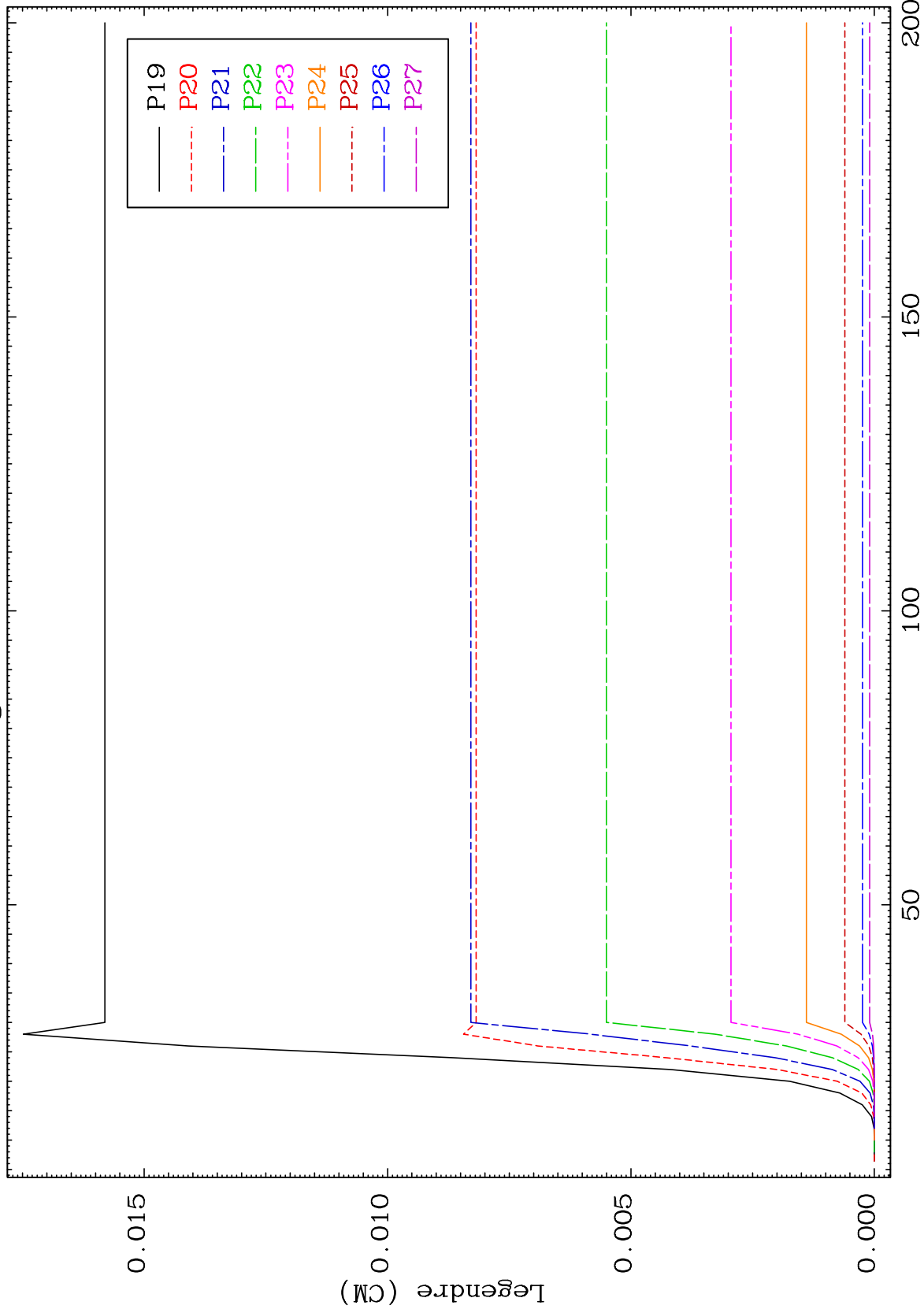
99



MAT 8077

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

81-Tl-187



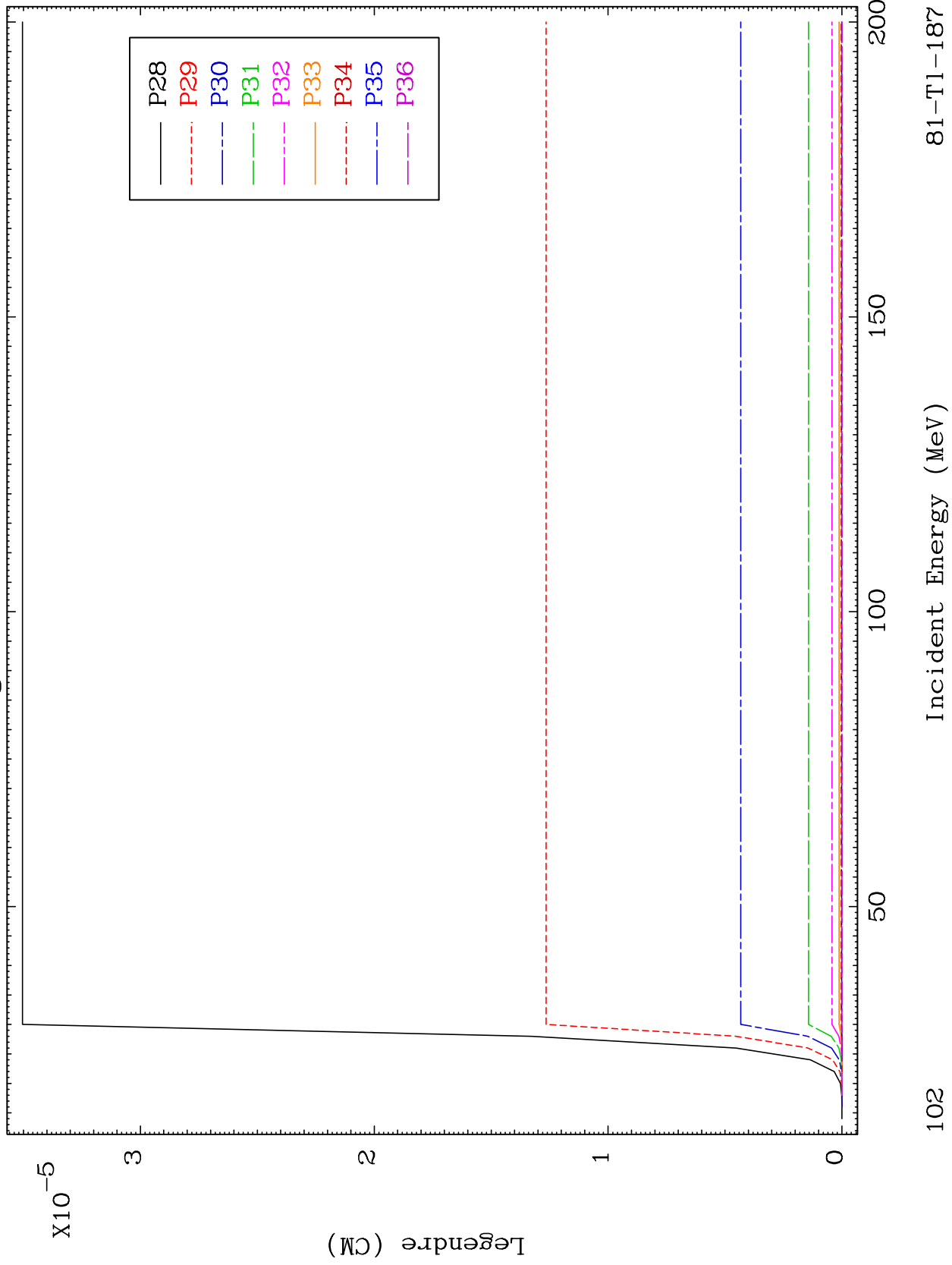
101

81-Tl-187

MAT 8077

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

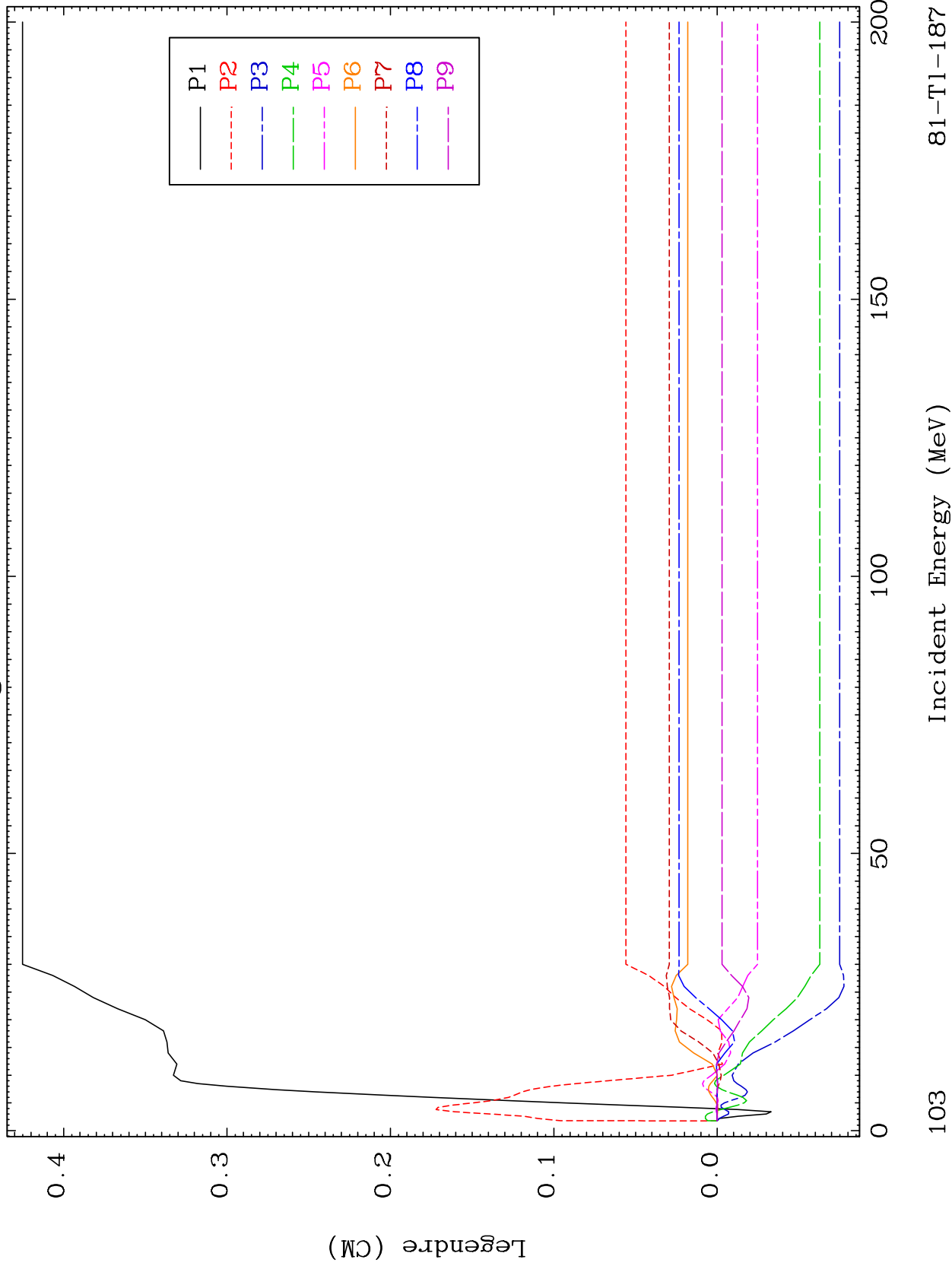
81-Tl-187



MAT 8077

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

81-T1-187



103

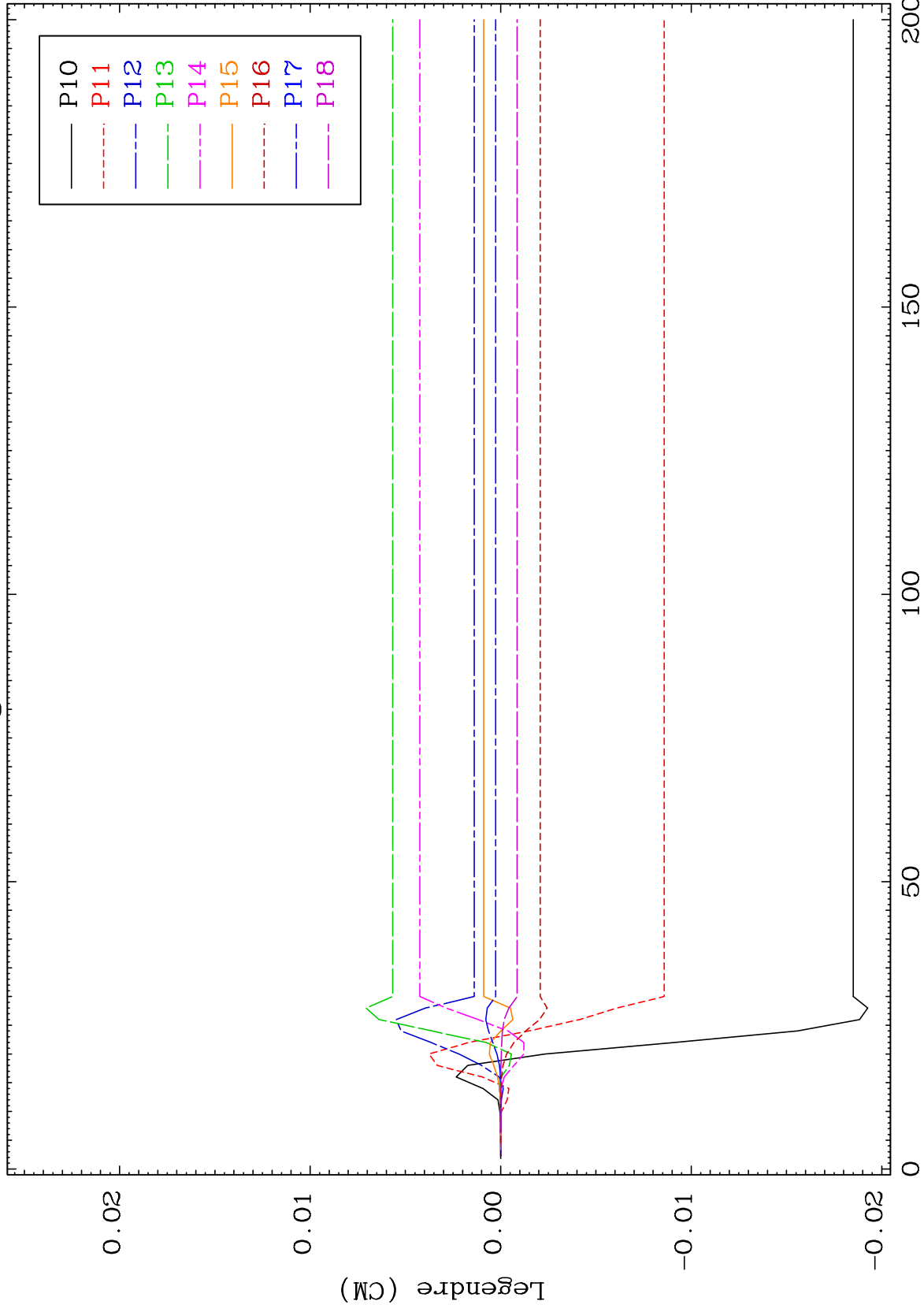
Incident Energy (MeV)

81-T1-187

MAT 8077

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

81-Tl-187



104

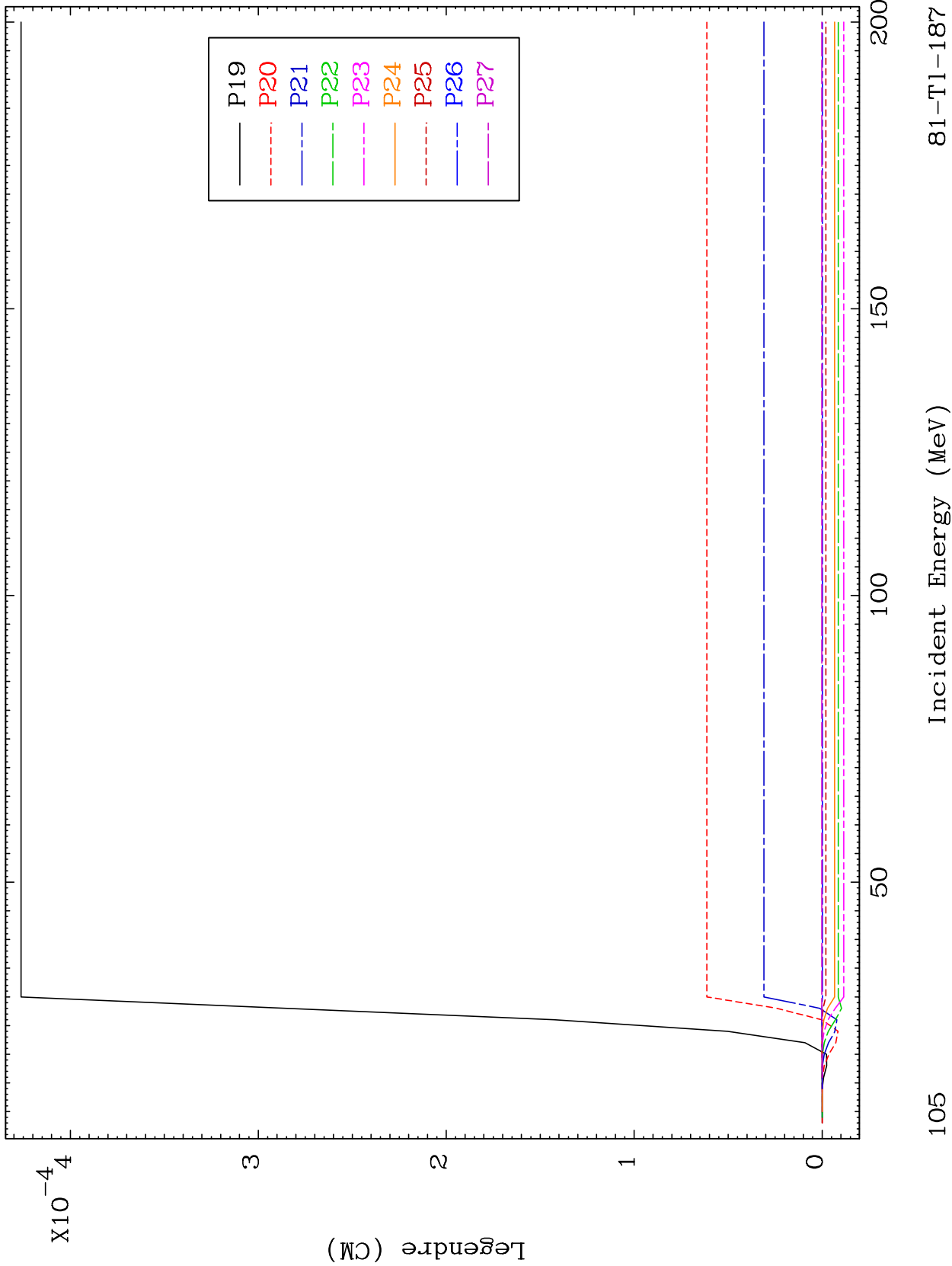
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

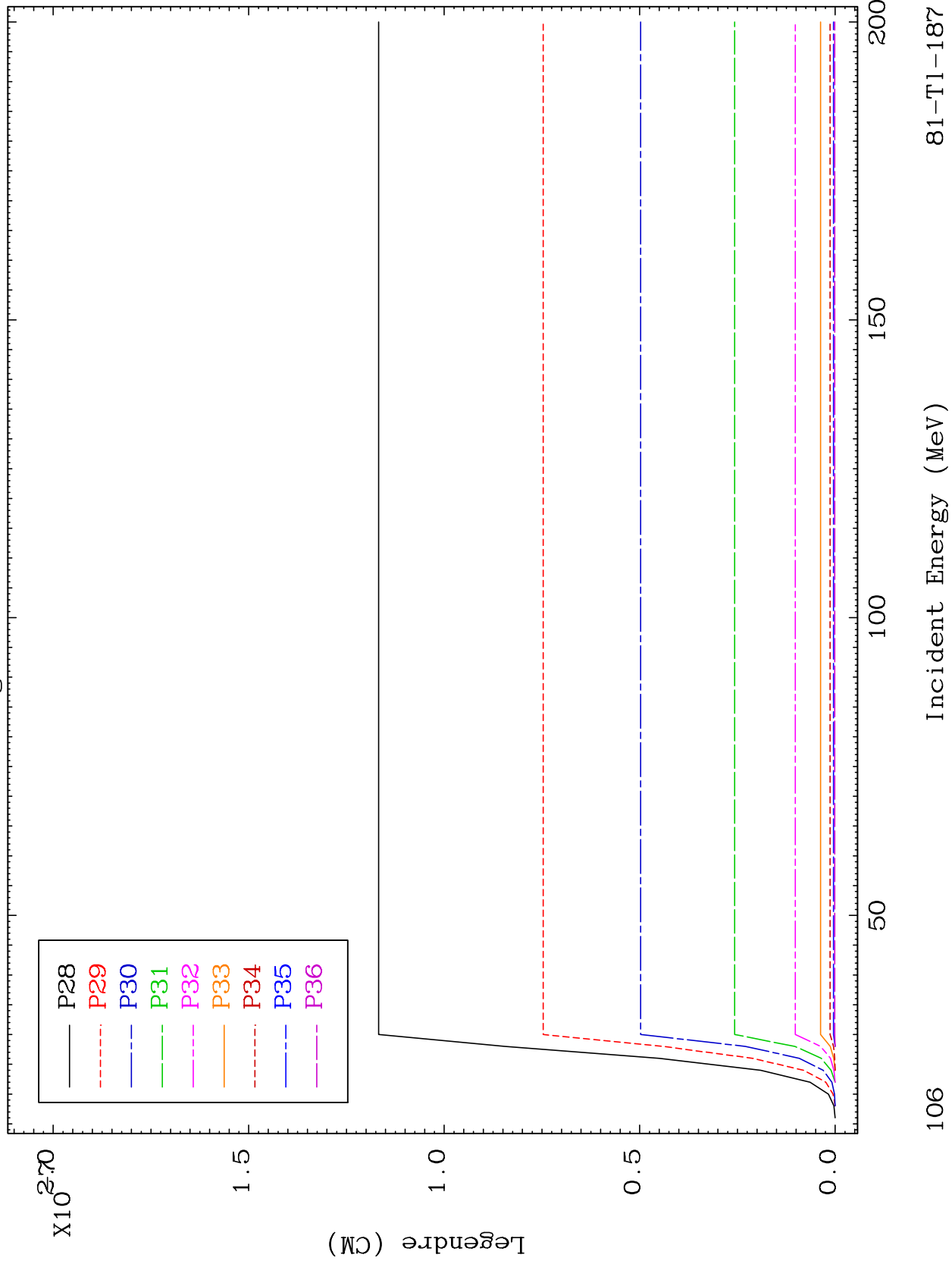
81-Tl-187



MAT 8077

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

81-Tl-187



106

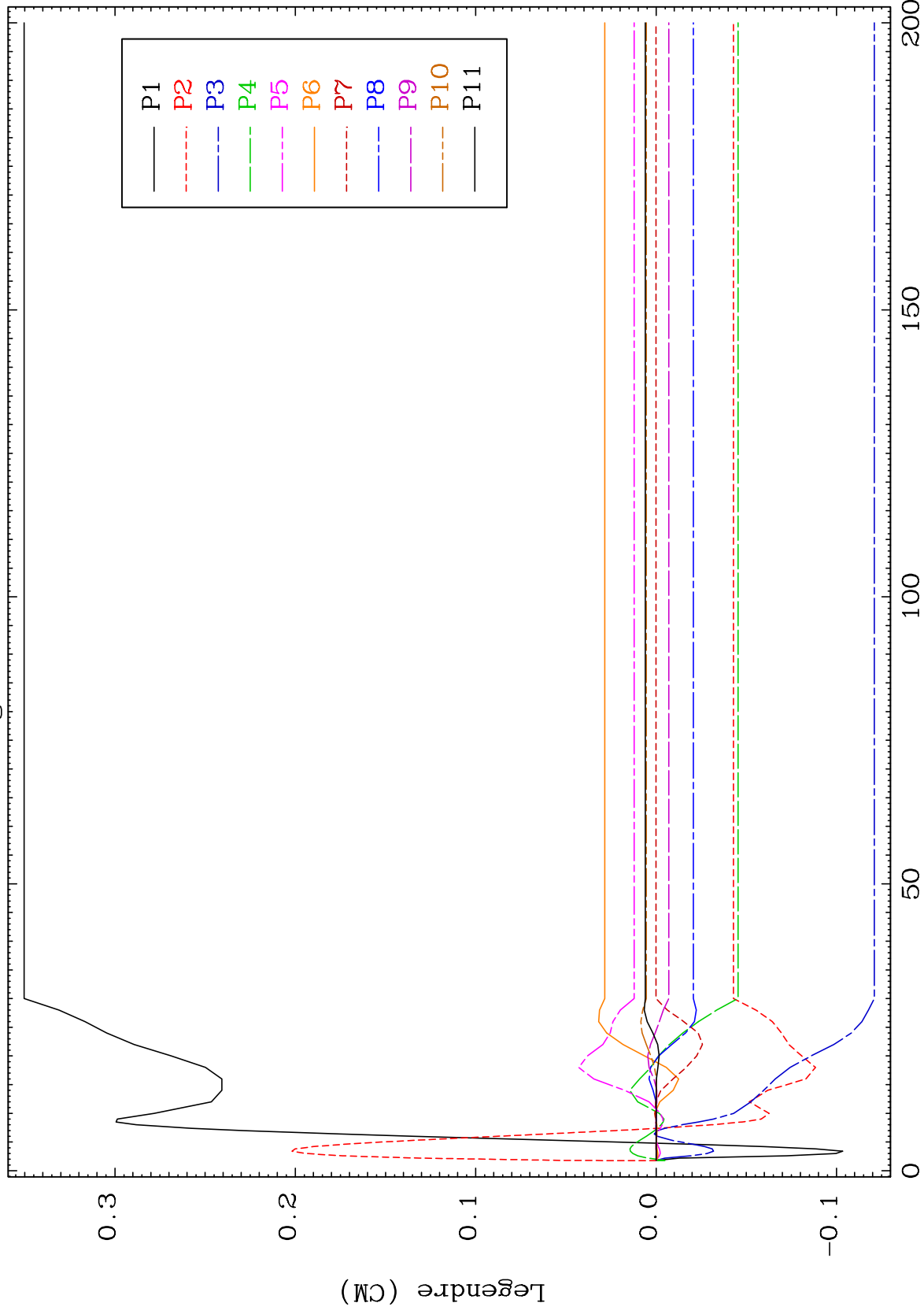
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

81-T1-187



107

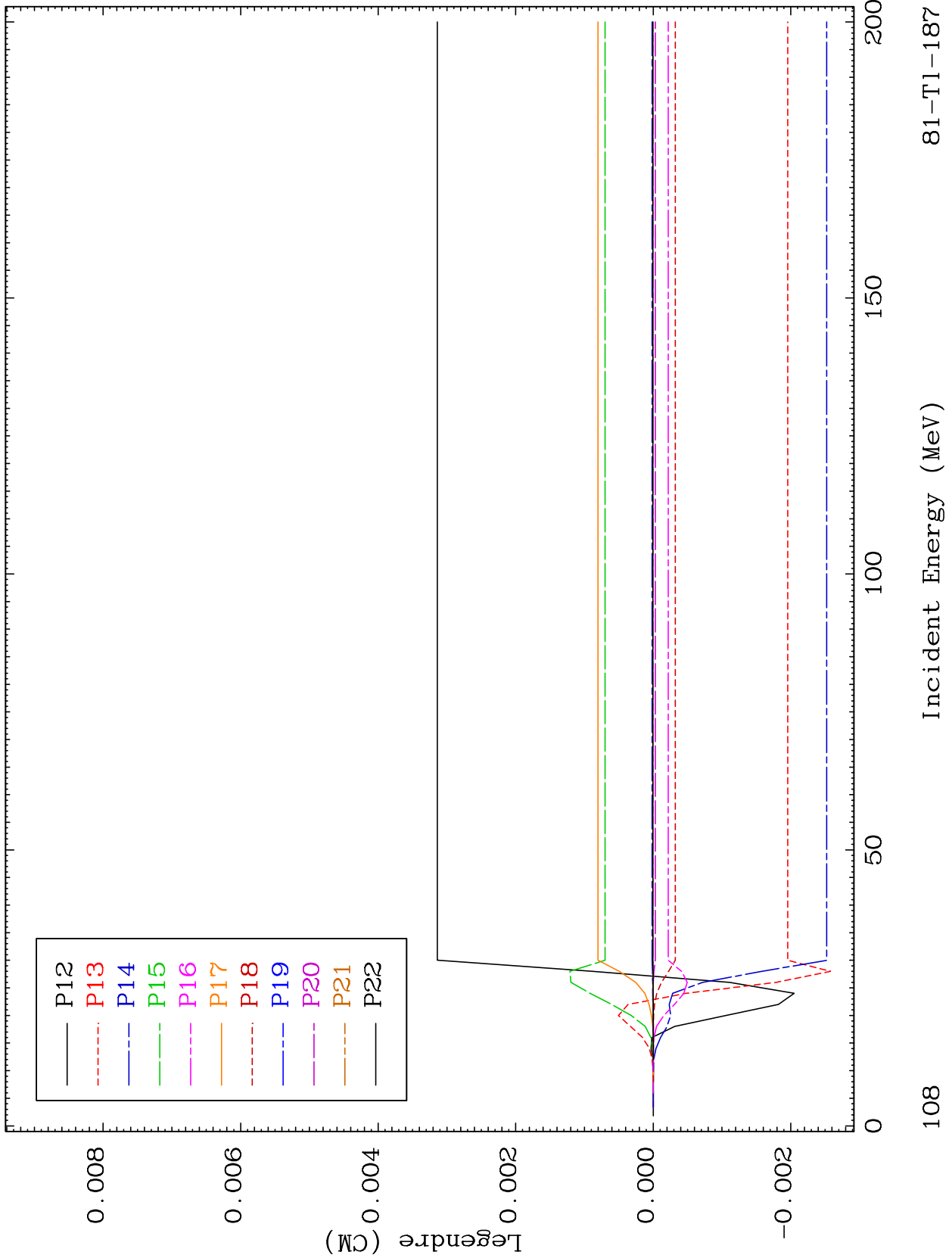
Incident Energy (MeV)

81-T1-187

MAT 8077

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

81-Tl-187



108

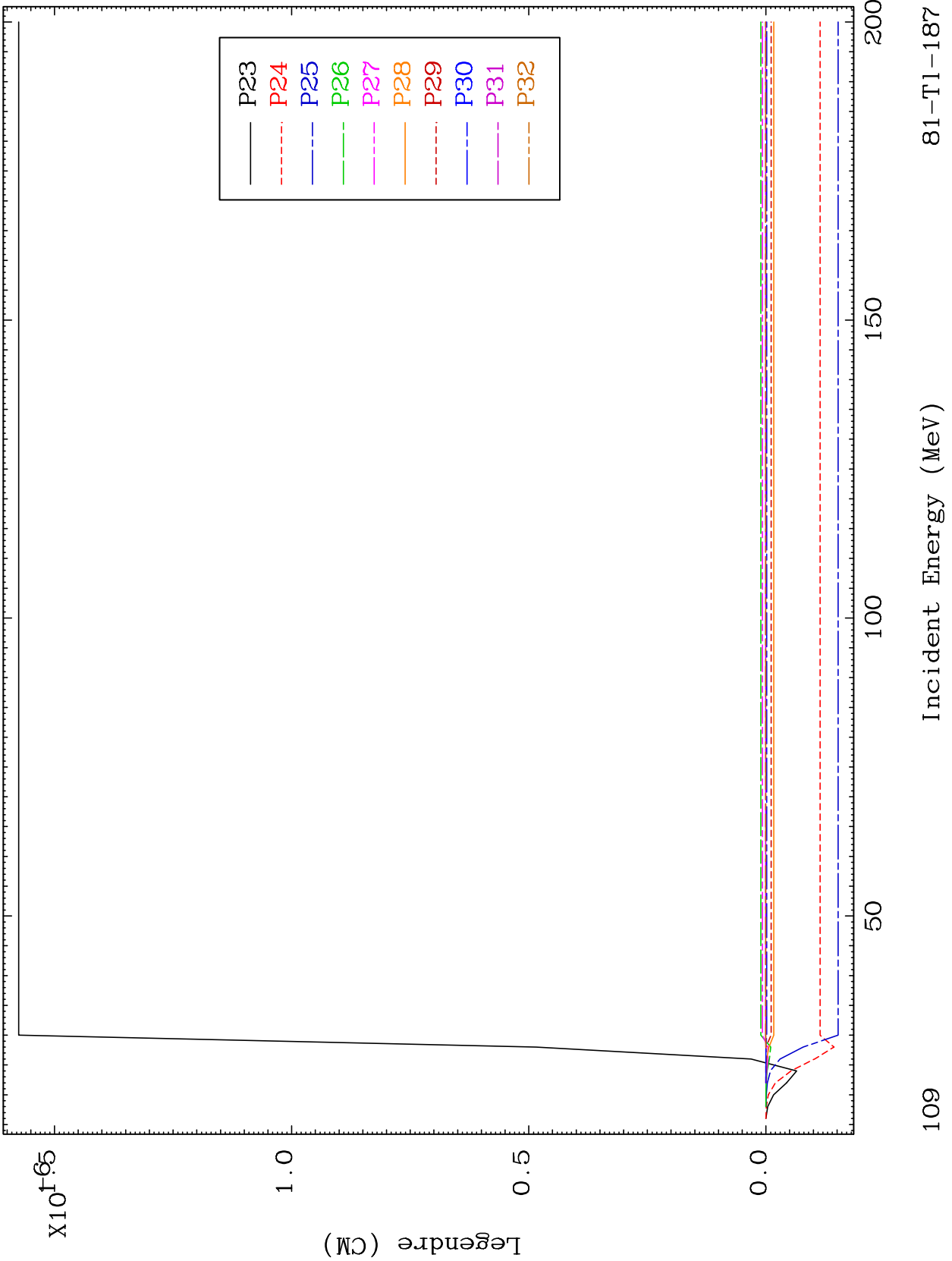
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

81-T1-187



109

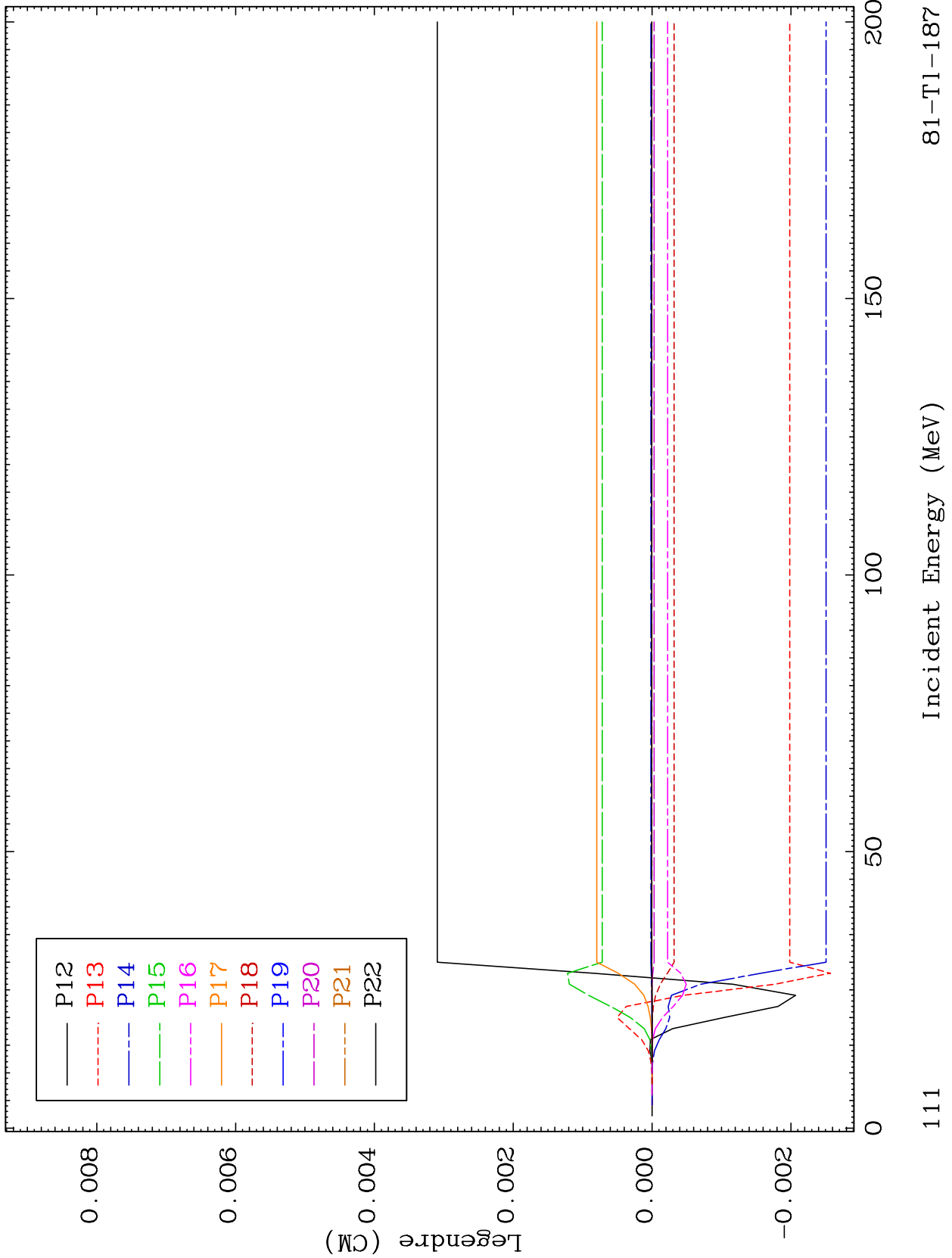
Incident Energy (MeV)

81-T1-187

MAT 80777

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

81-Tl-187



111

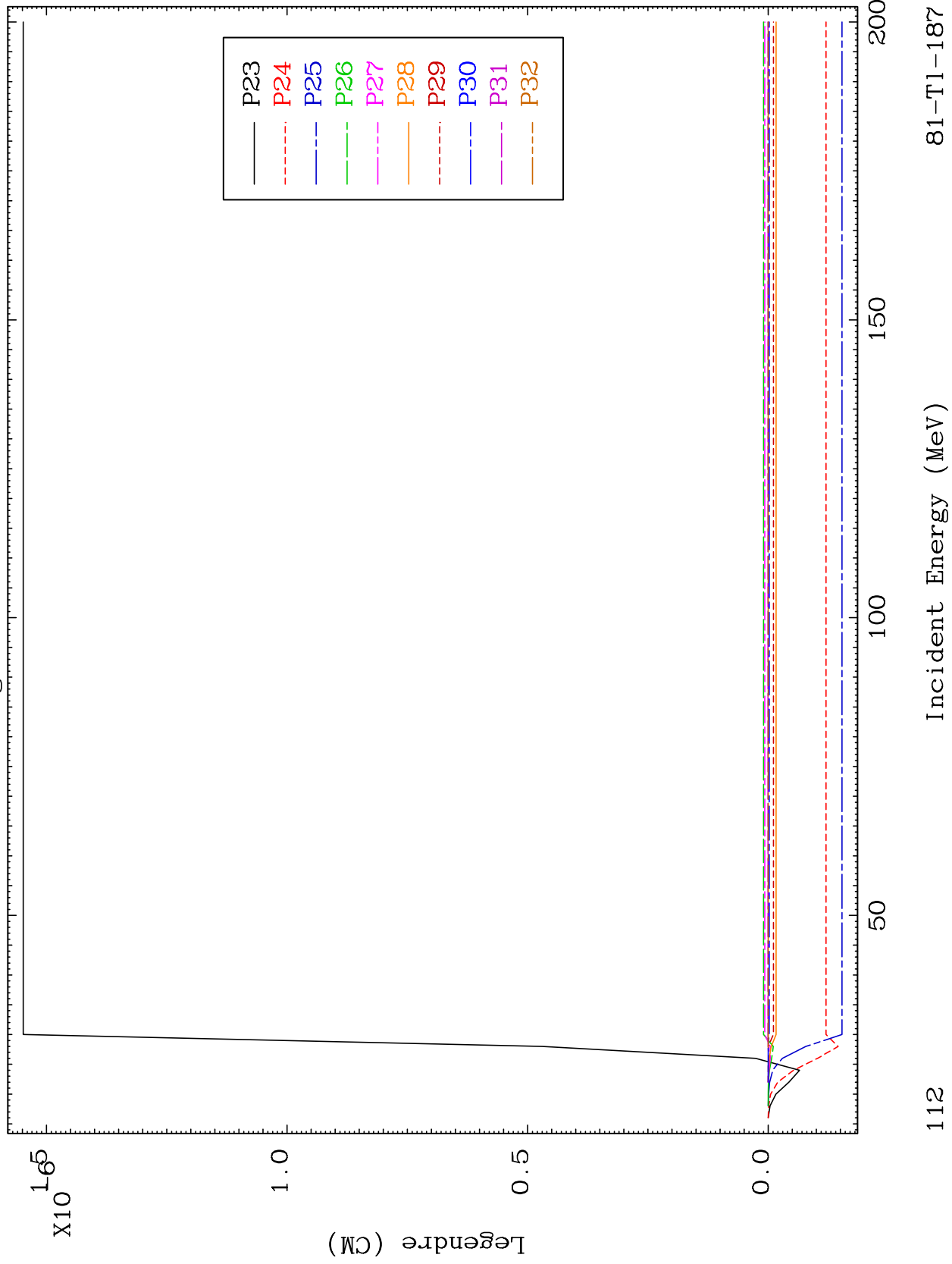
Incident Energy (MeV)

81-Tl-187

MAT 80777

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

81-Tl-187



112

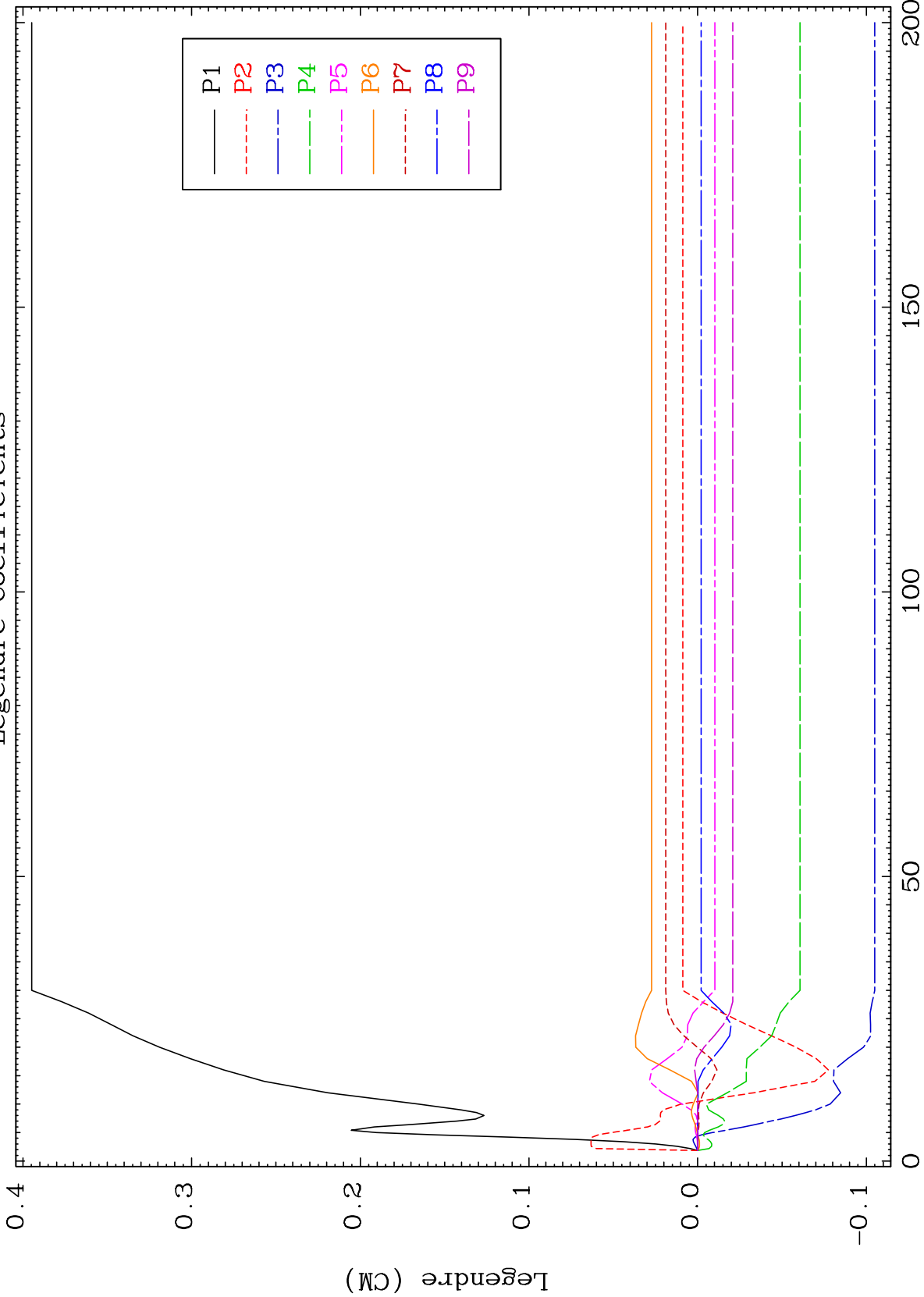
Incident Energy (MeV)

81-Tl-187

MAT 80777

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

81-T1-187



113

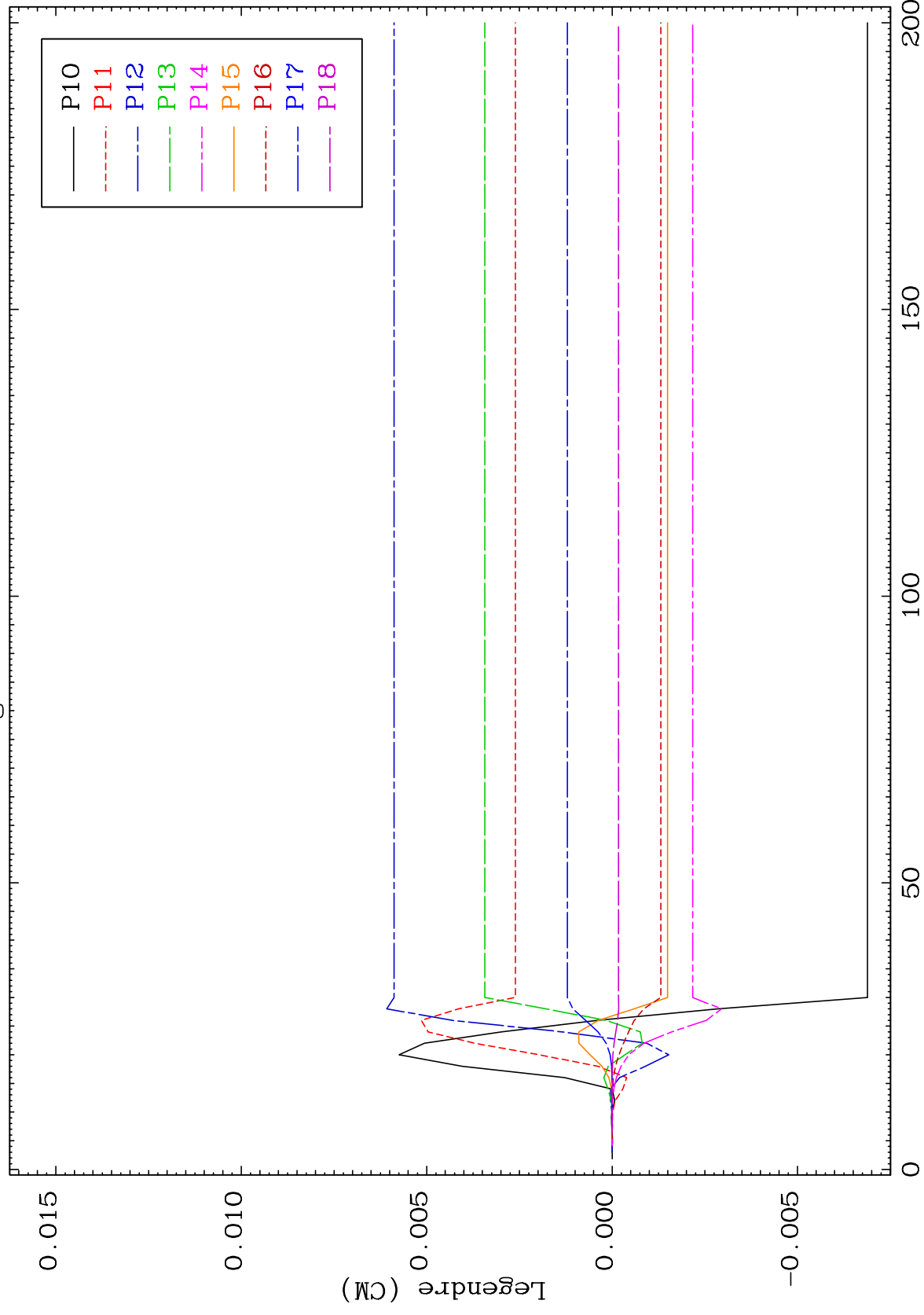
Incident Energy (MeV)

81-T1-187

MAT 8077

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

81-T1-187



114

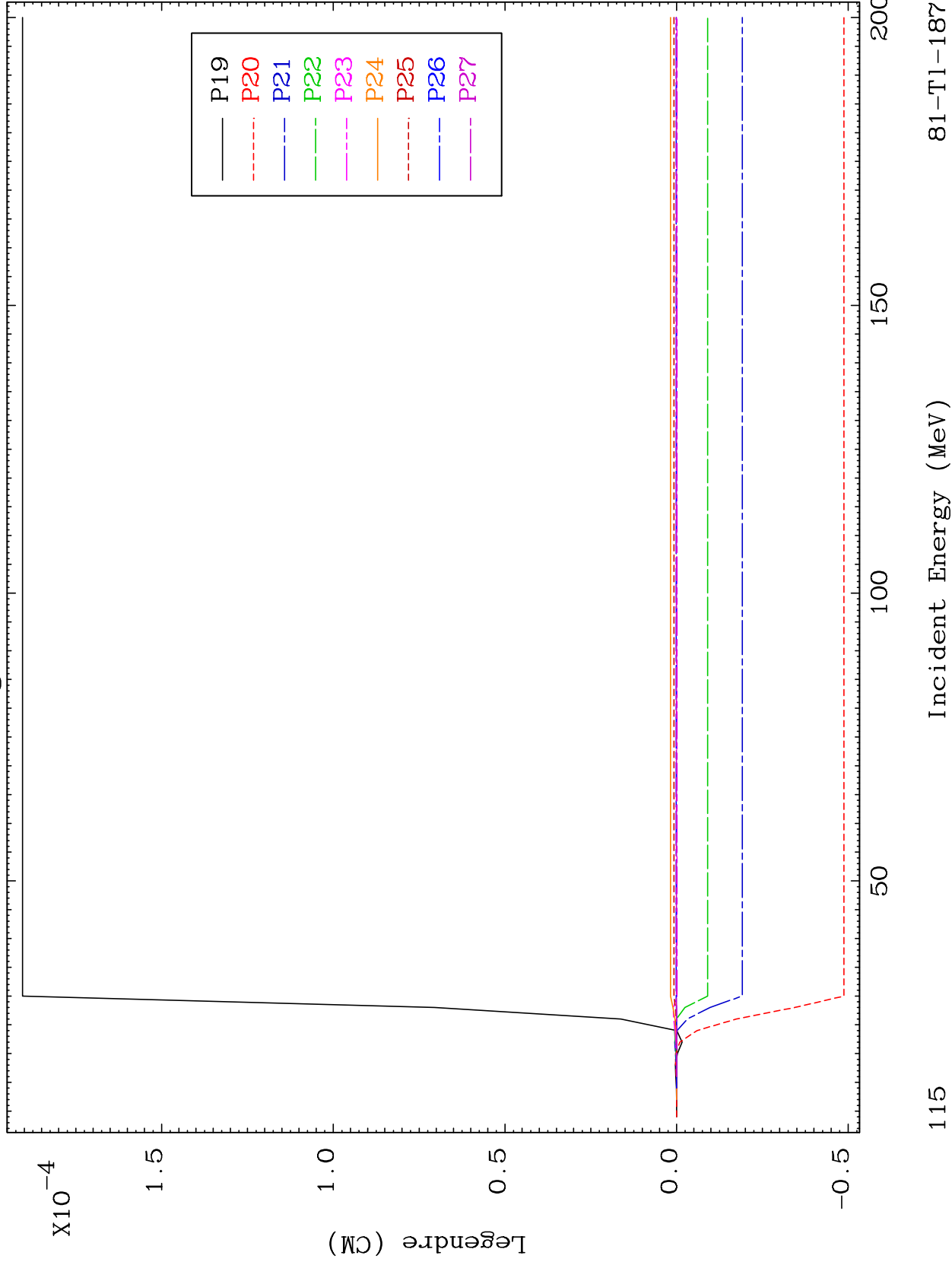
Incident Energy (MeV)

81-T1-187

MAT 8077

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

81-Tl-187



115

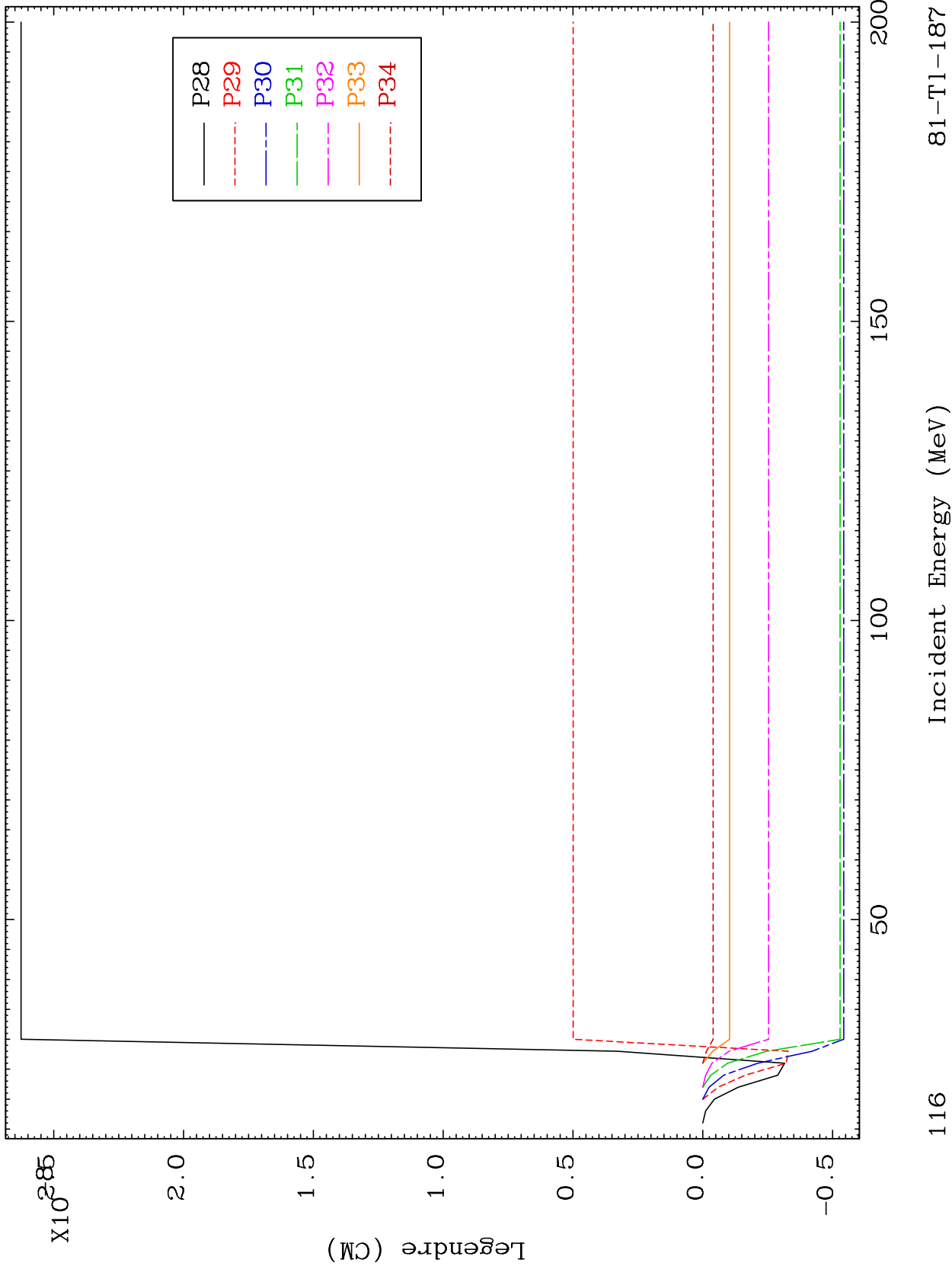
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

81-Tl-187



116

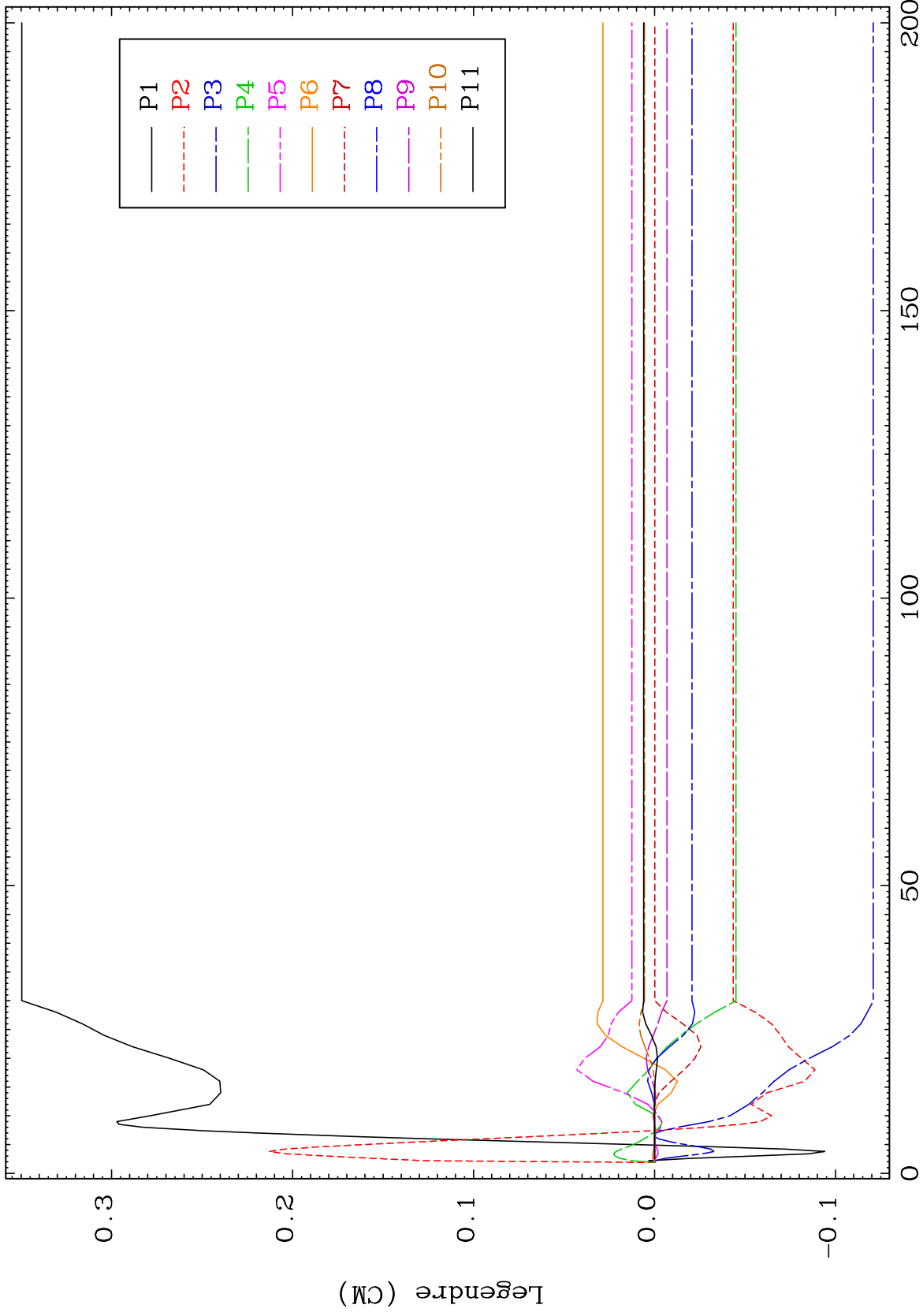
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

81-Tl-187



117

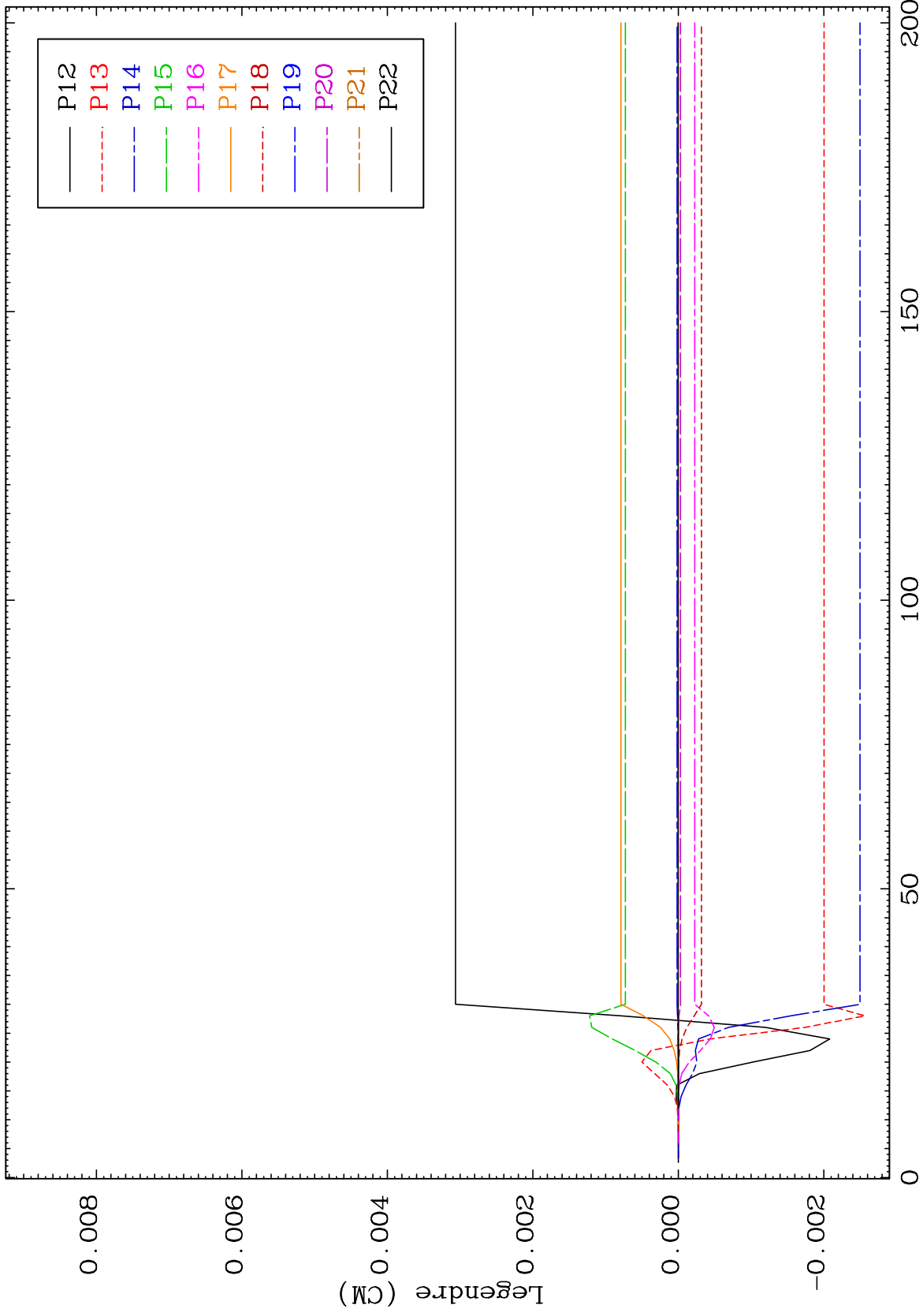
Incident Energy (MeV)

81-Tl-187

MAT 80777

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

81-T1-187



118

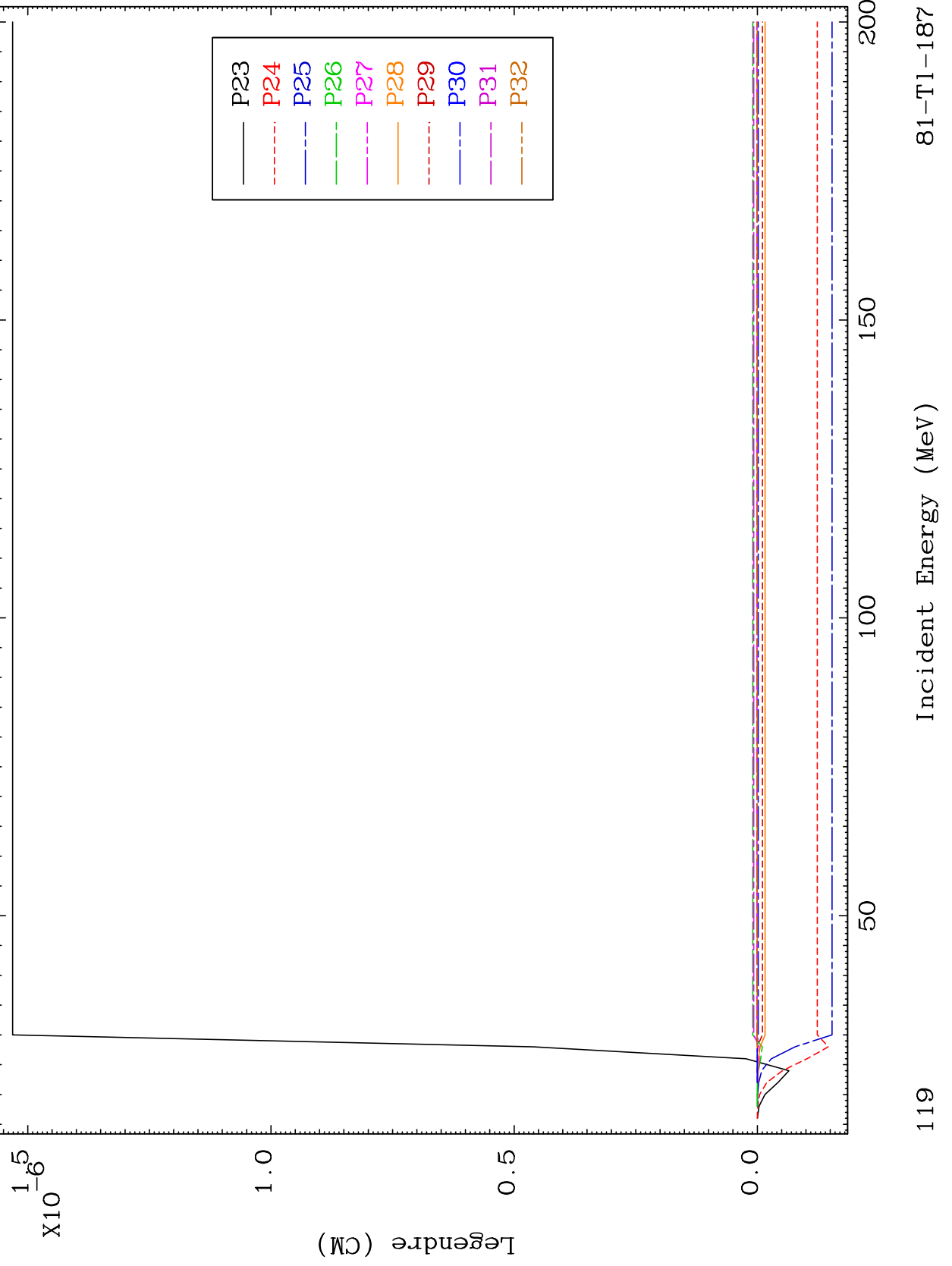
Incident Energy (MeV)

81-T1-187

MAT 8077

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

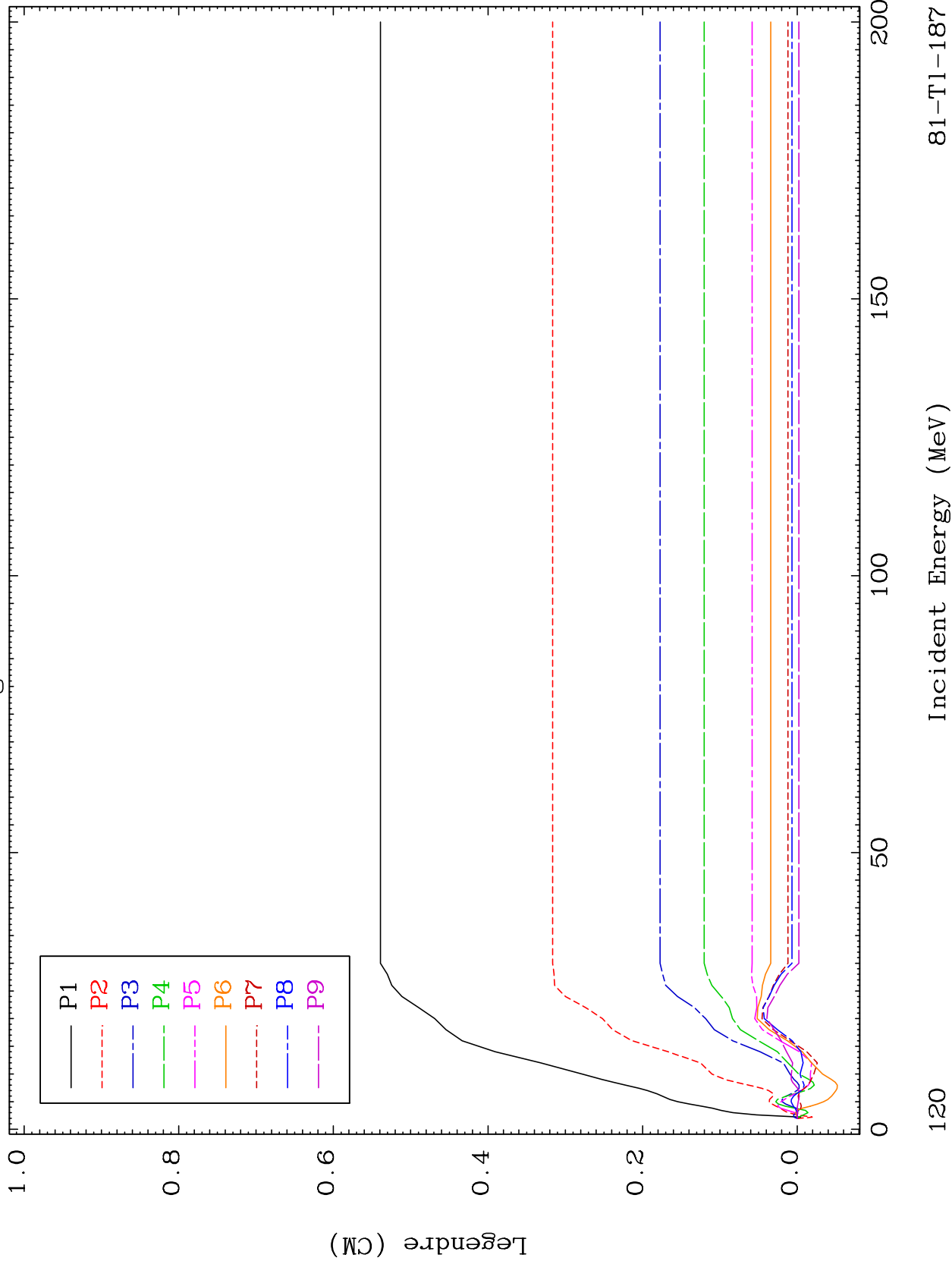
81-Tl-187



MAT 80777

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

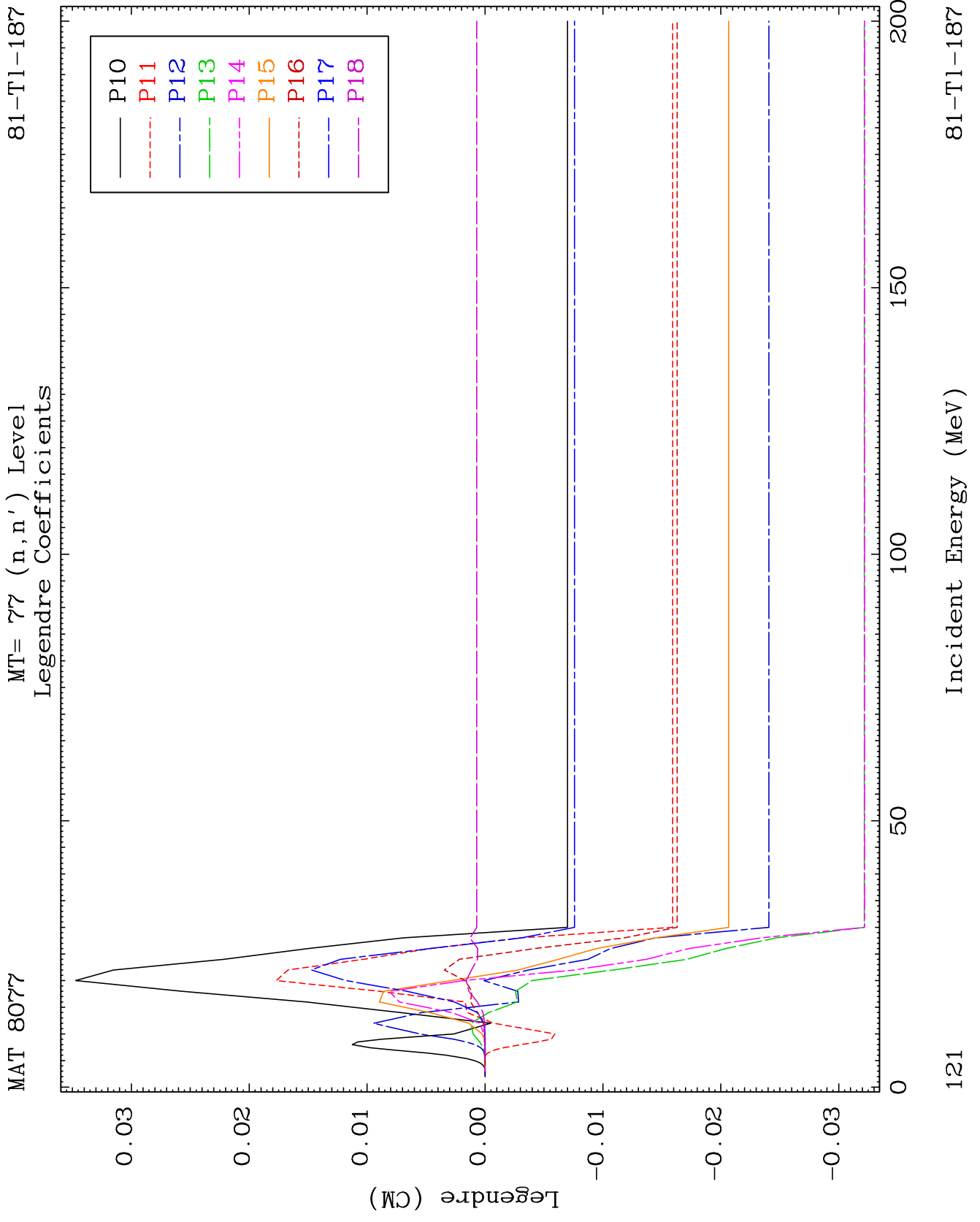
81-Tl-187



81-Tl-187

Incident Energy (MeV)

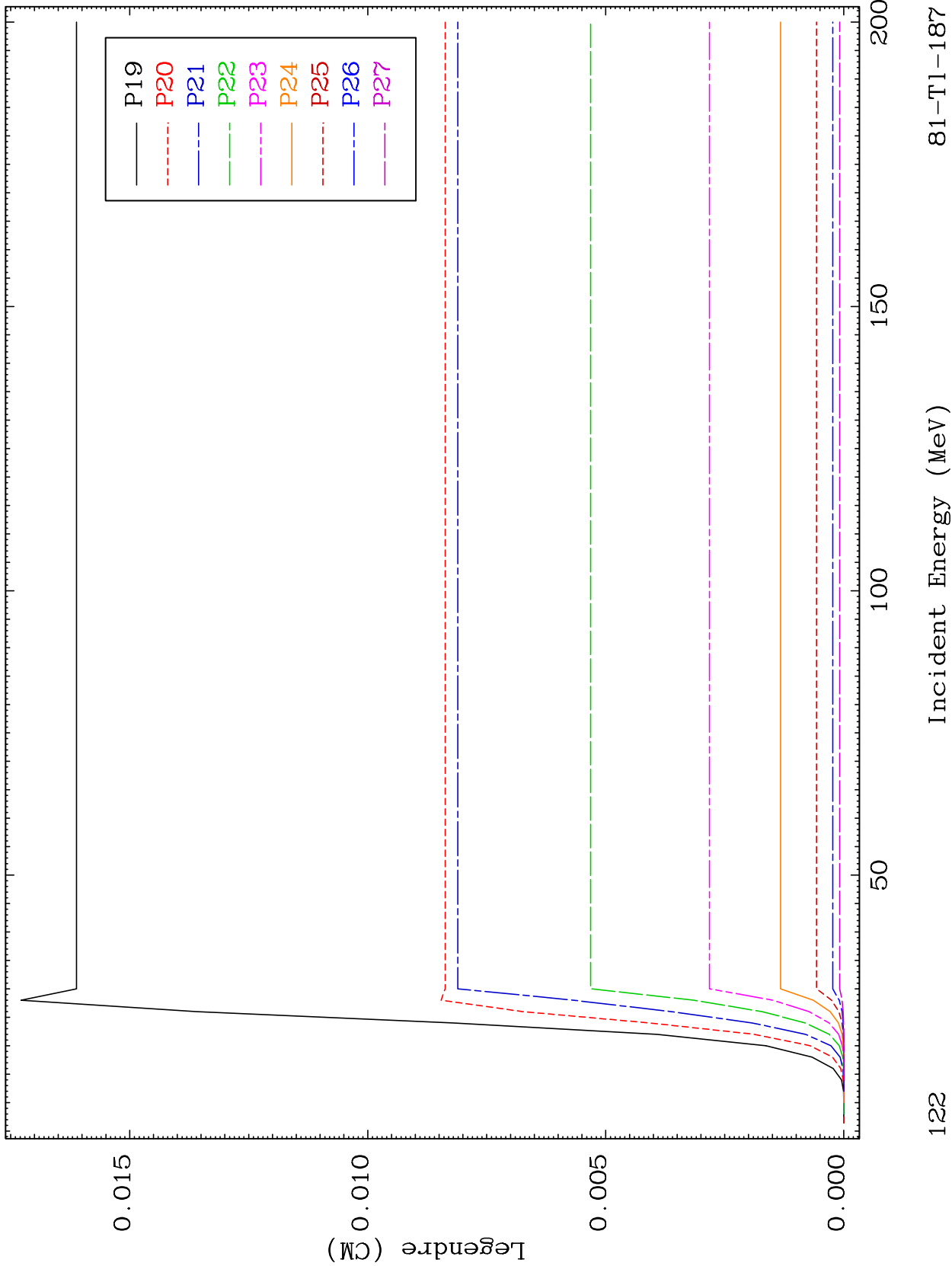
120



MAT 8077

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

81-Tl-187



122

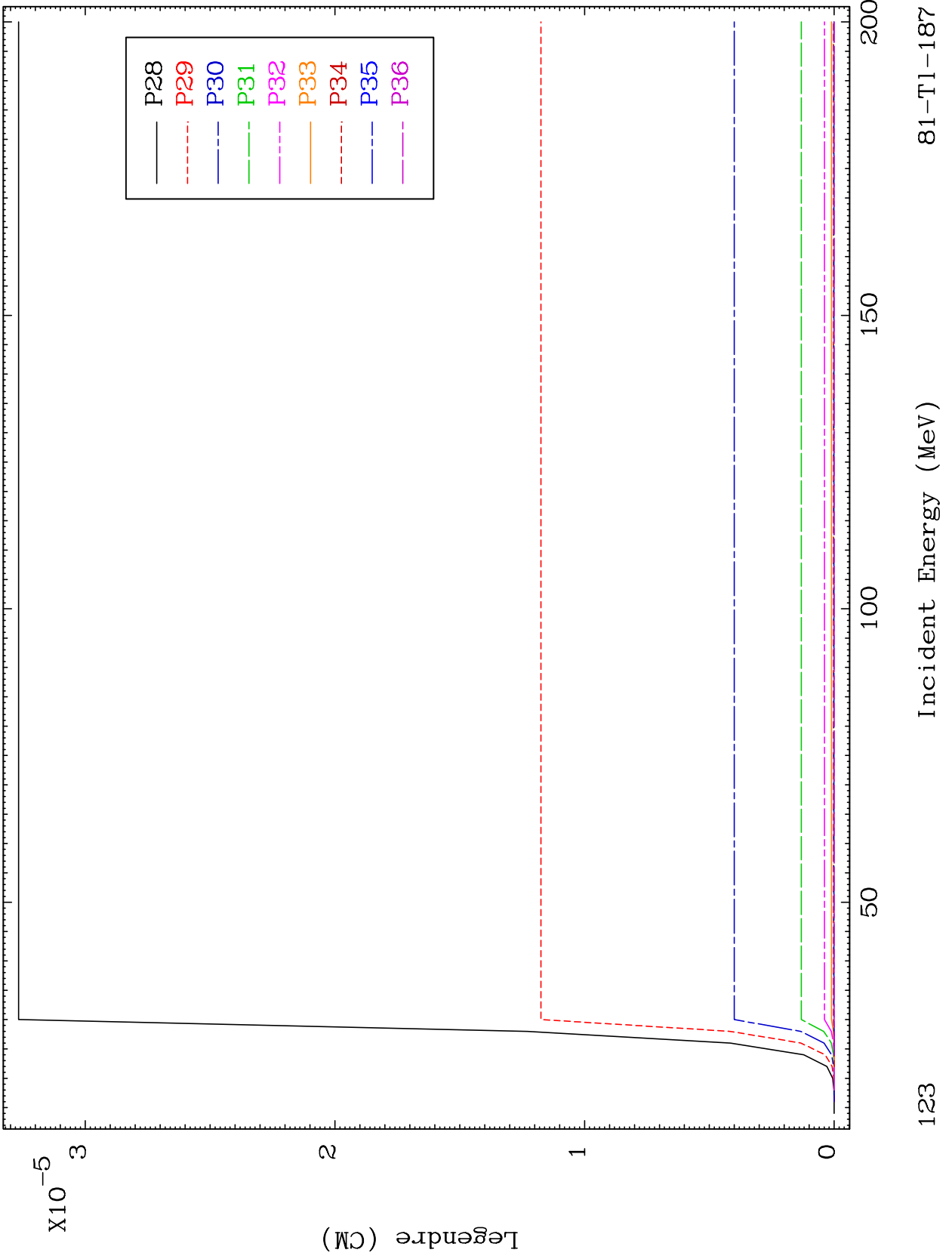
Incident Energy (MeV)

81-Tl-187

MAT 80777

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

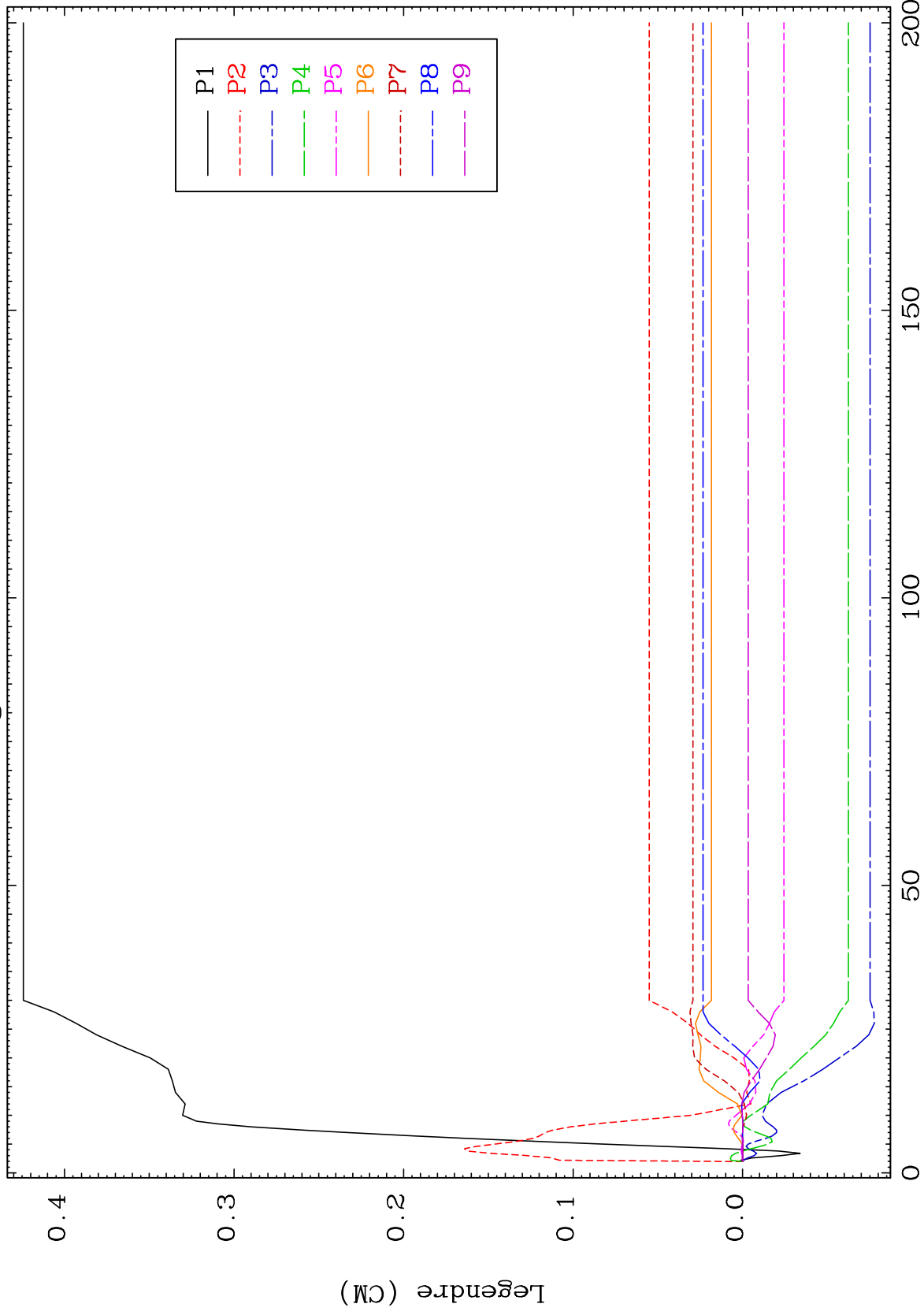
81-Tl-187



MAT 80777

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

81-T1-187



81-T1-187

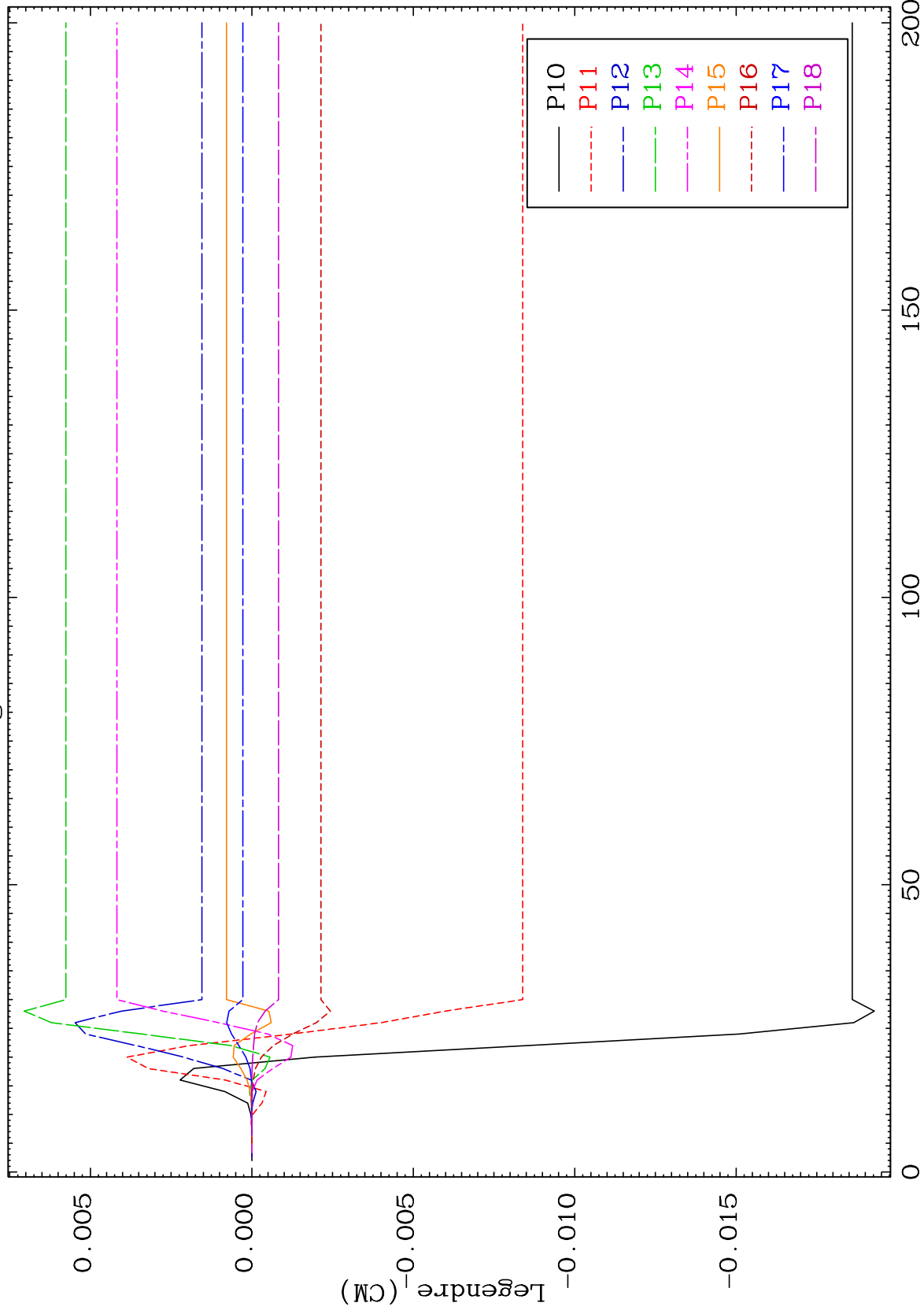
Incident Energy (MeV)

124

MAT 8077

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

81-Tl-187



125

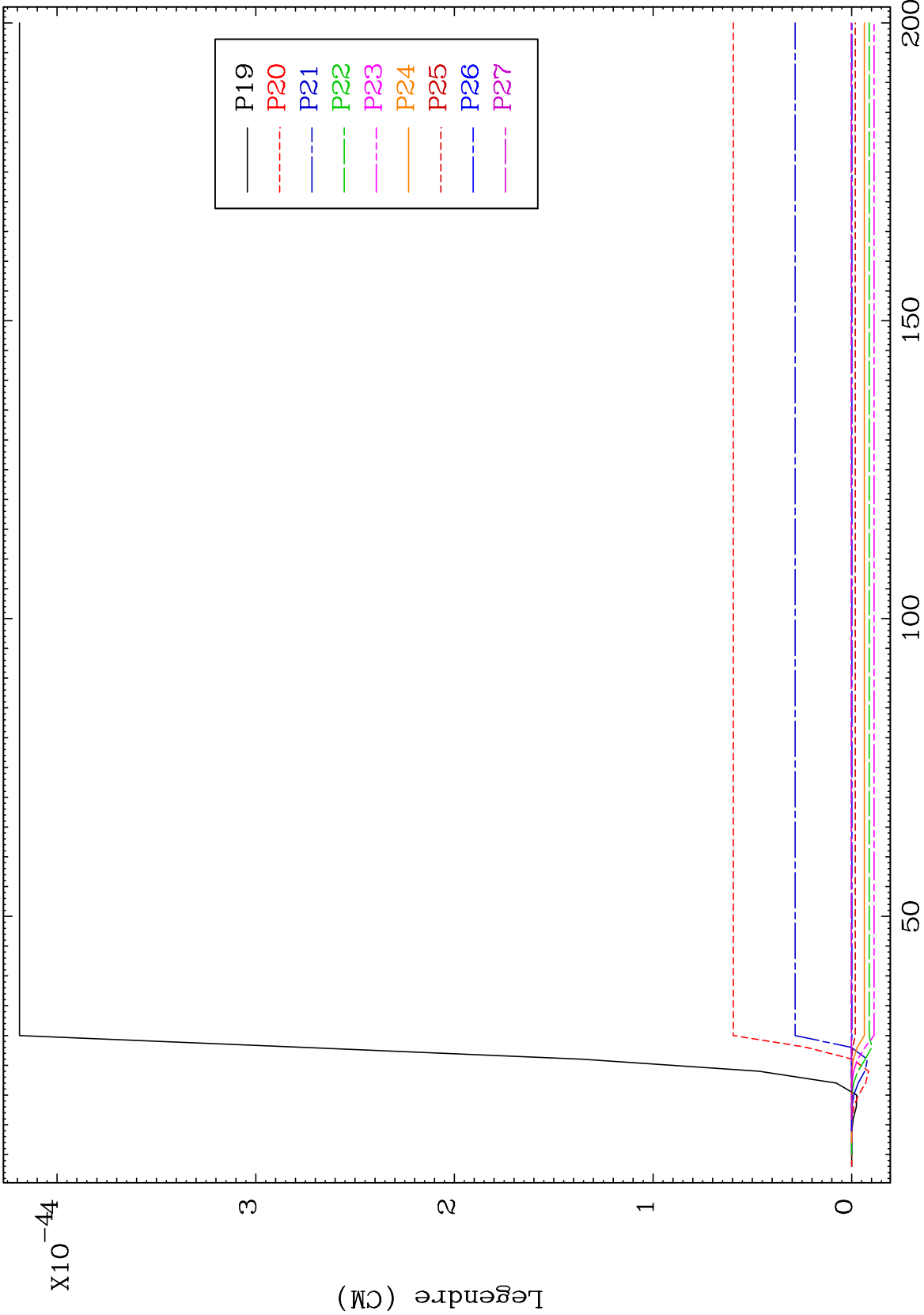
Incident Energy (MeV)

81-Tl-187

MAT 8077

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

81-T1-187



126

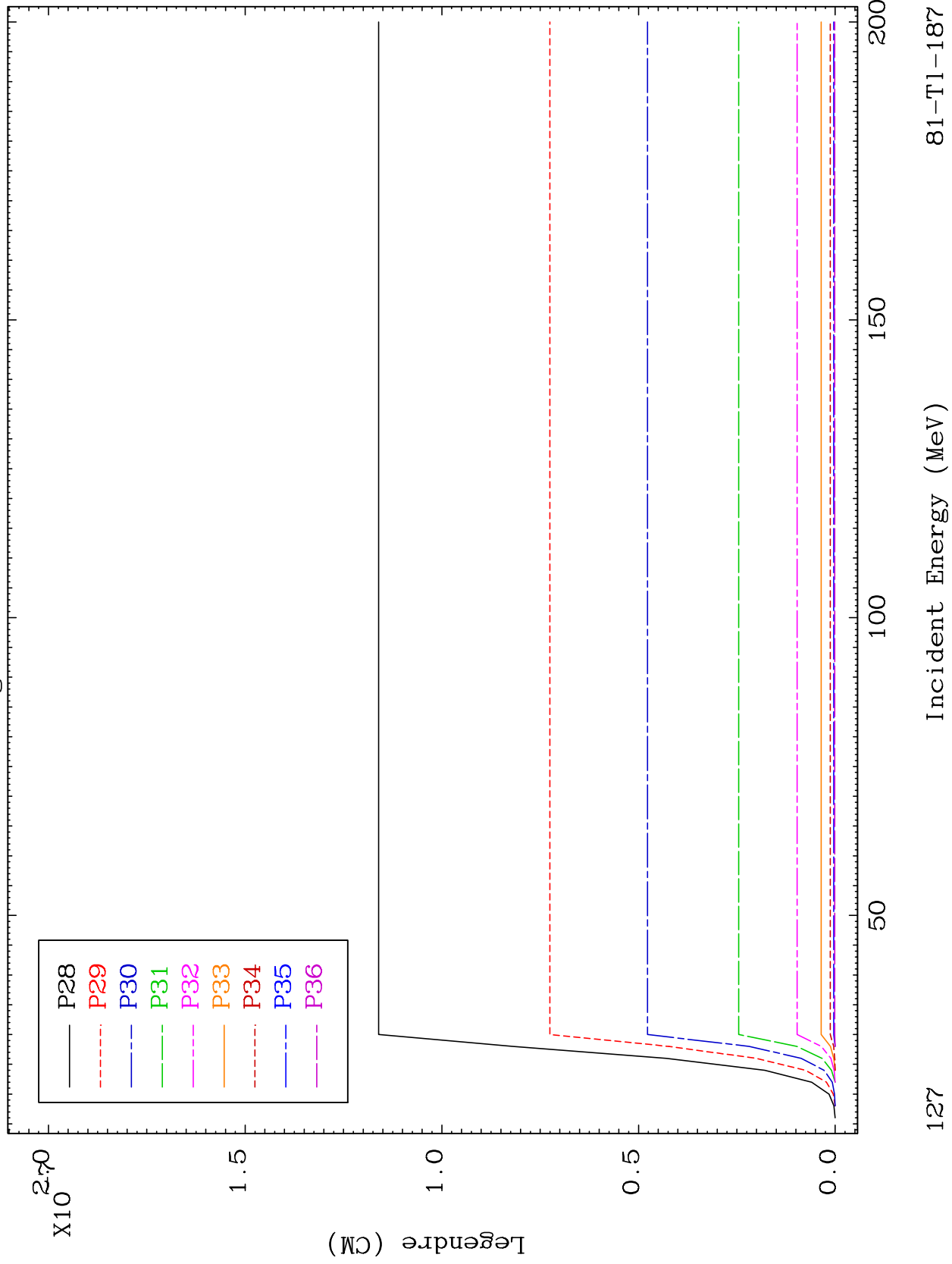
Incident Energy (MeV)

81-T1-187

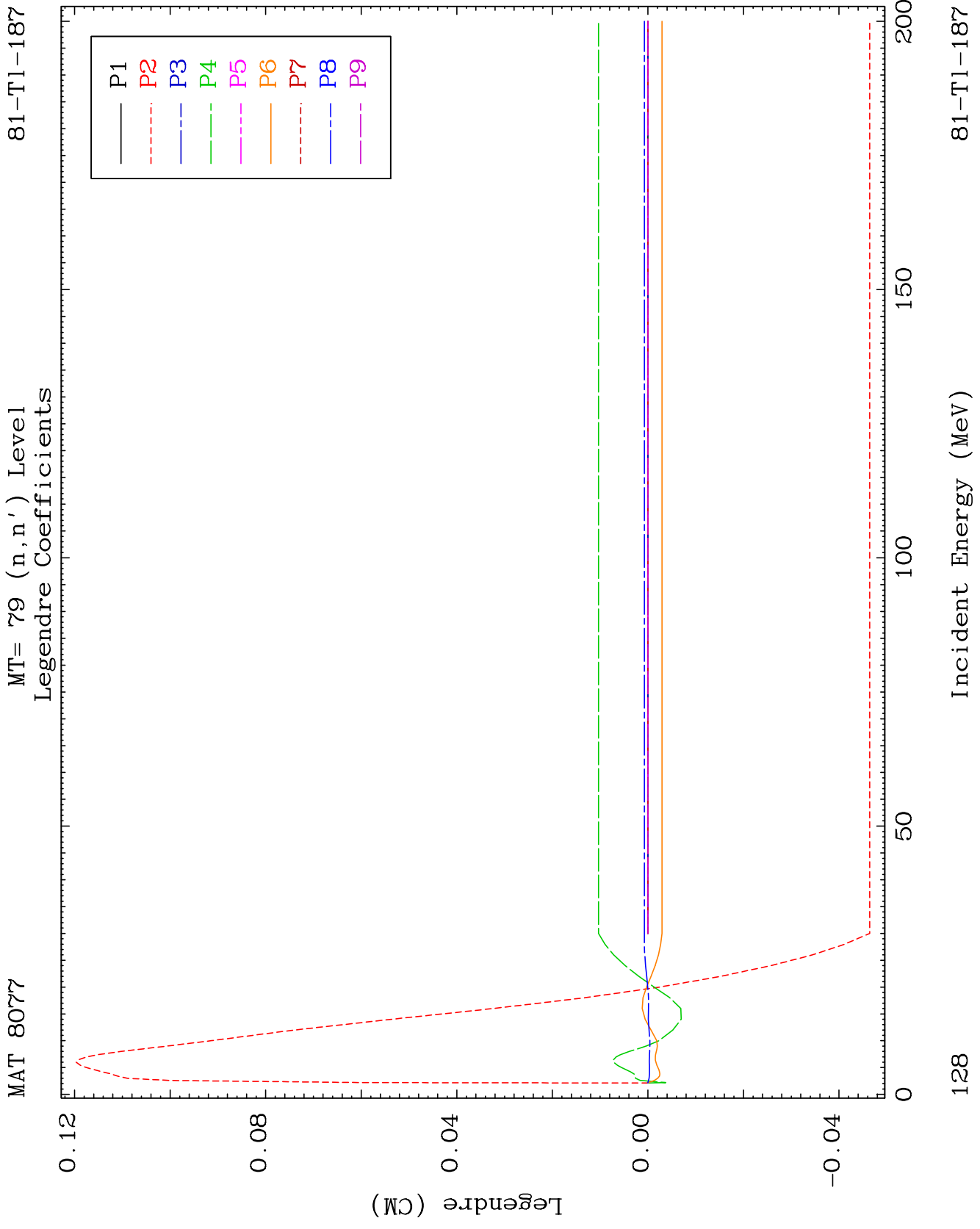
MAT 80777

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

81-Tl-187



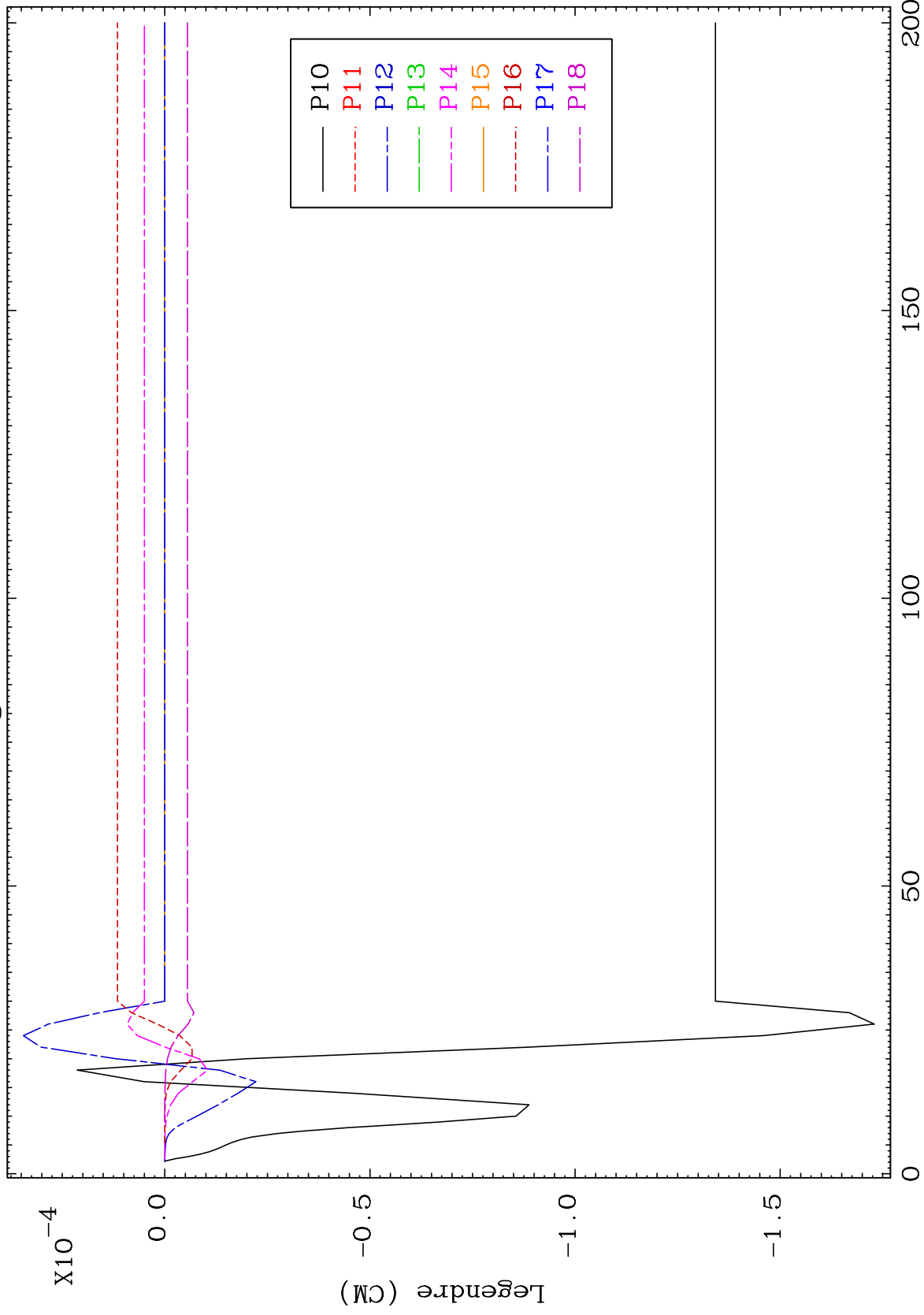
127



MAT 8077

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

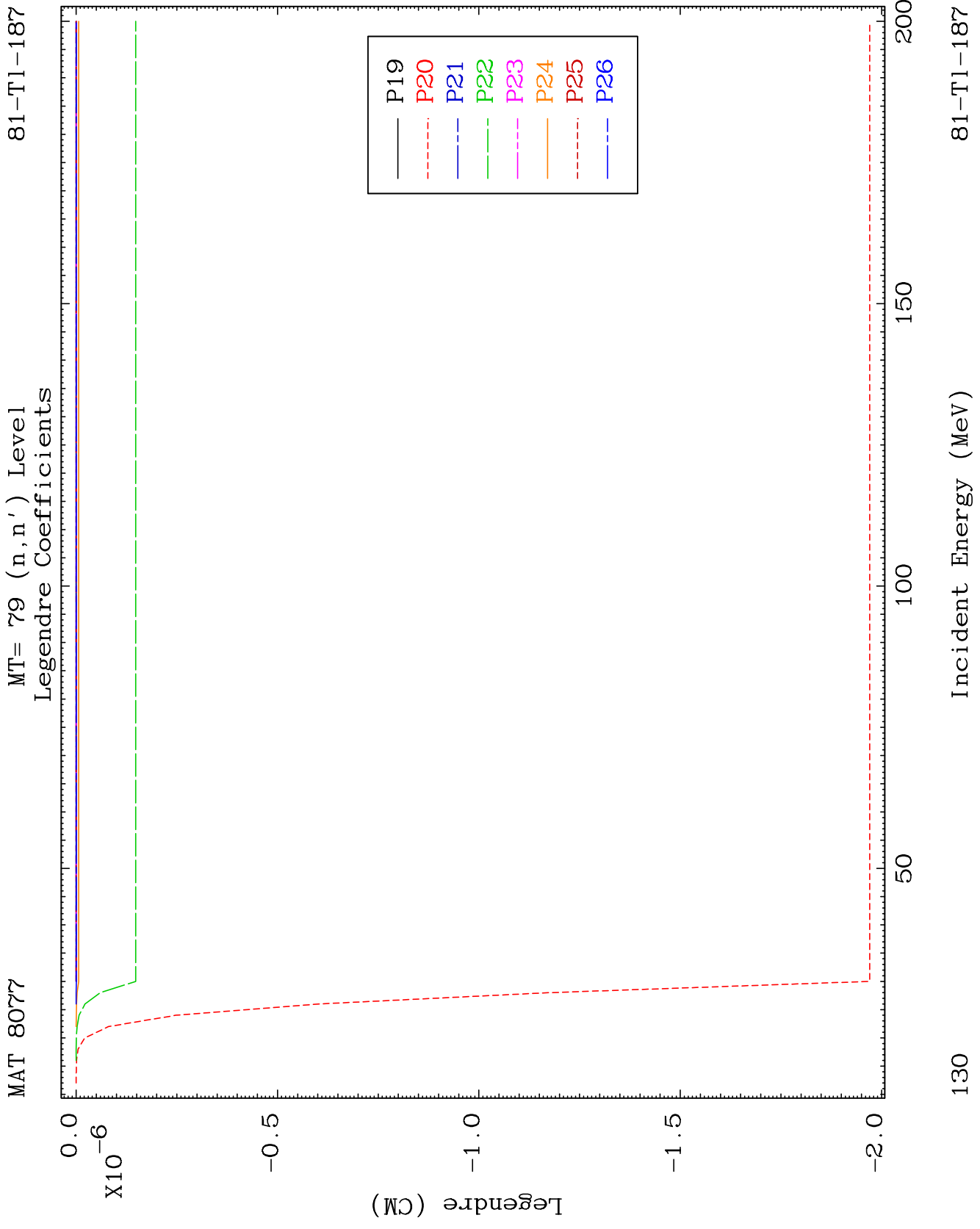
81-Tl-187



129

Incident Energy (MeV)

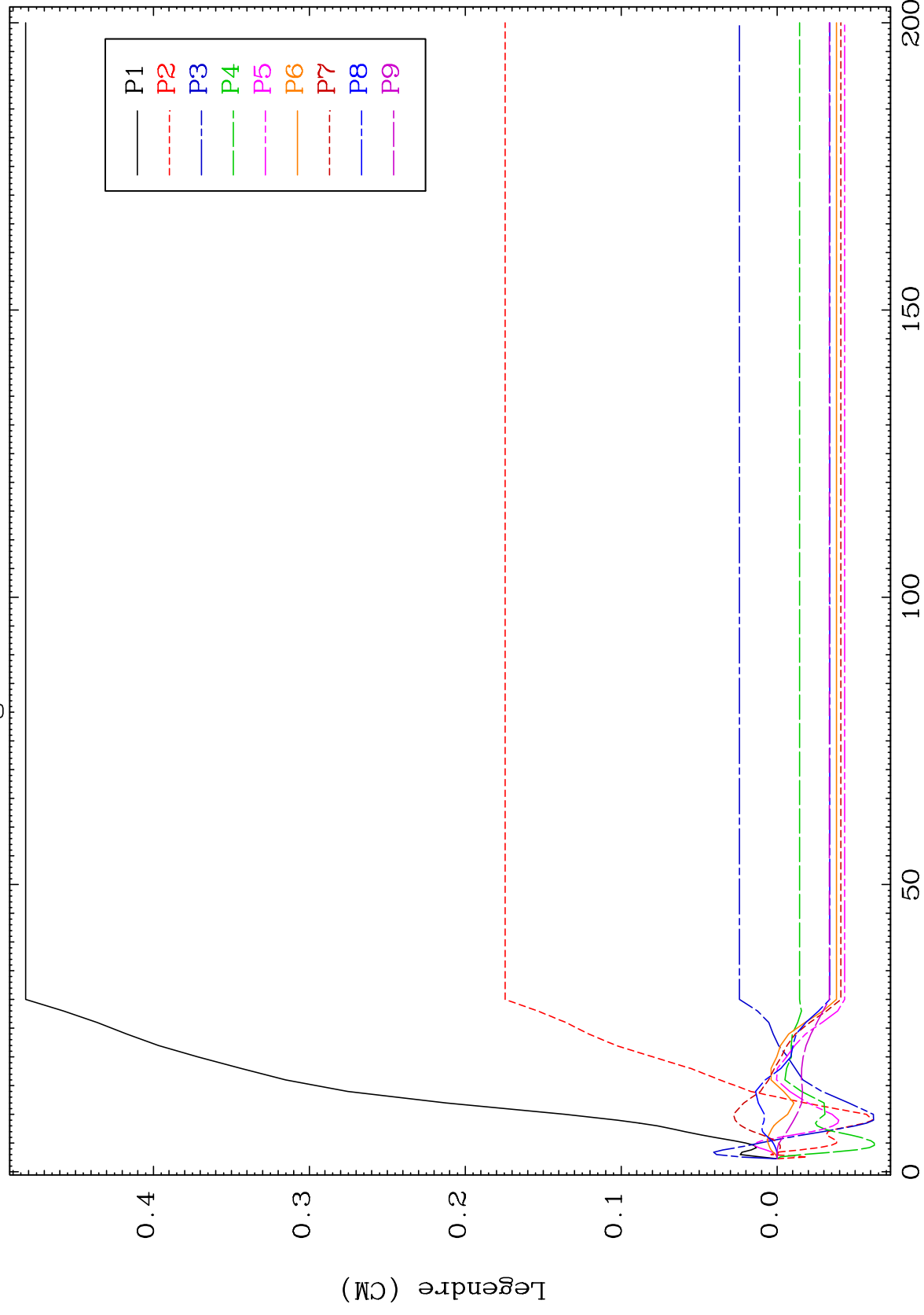
81-Tl-187



MAT 8077

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

81-T1-187



131

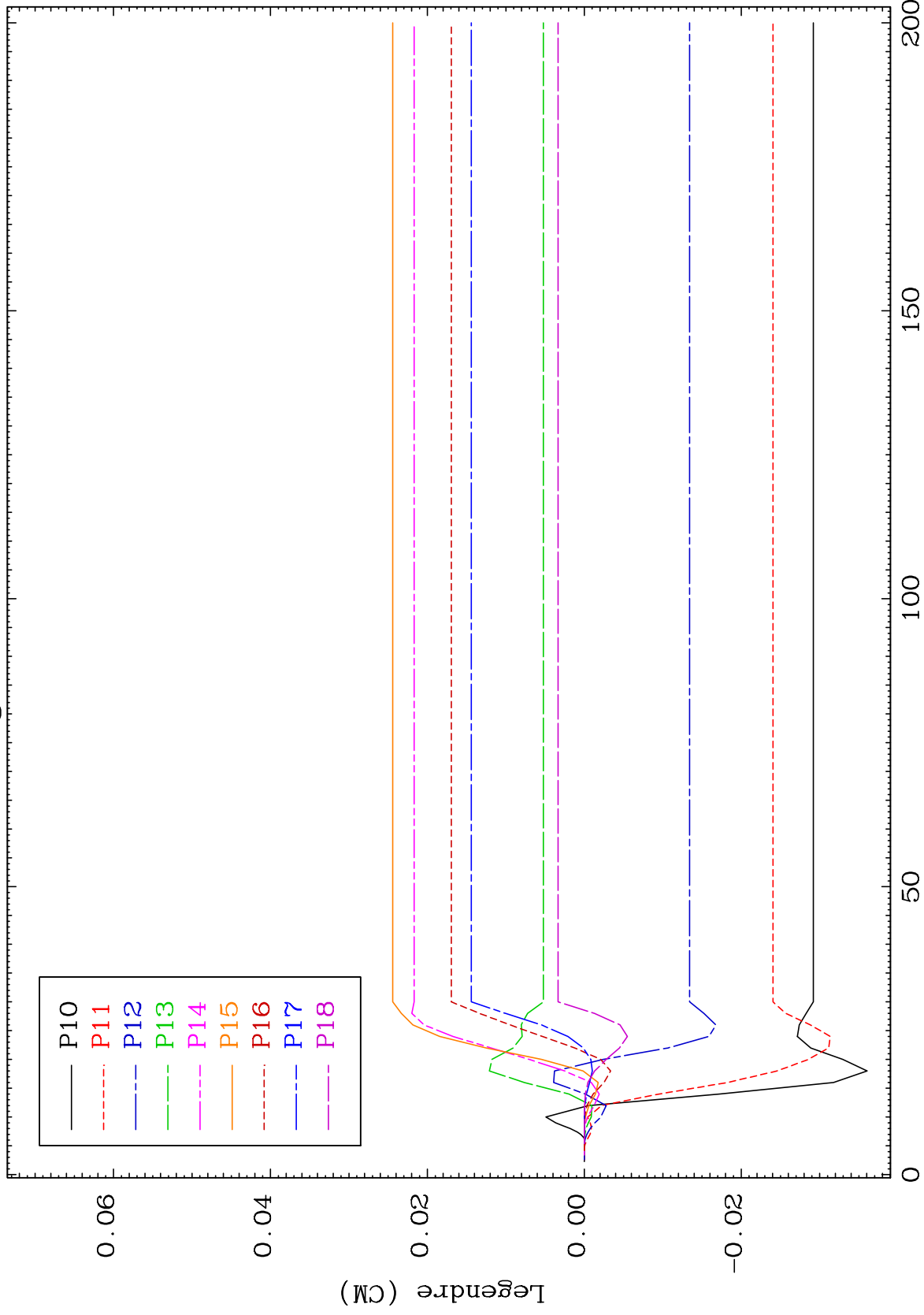
Incident Energy (MeV)

81-T1-187

MAT 80777

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

81-Tl-187



132

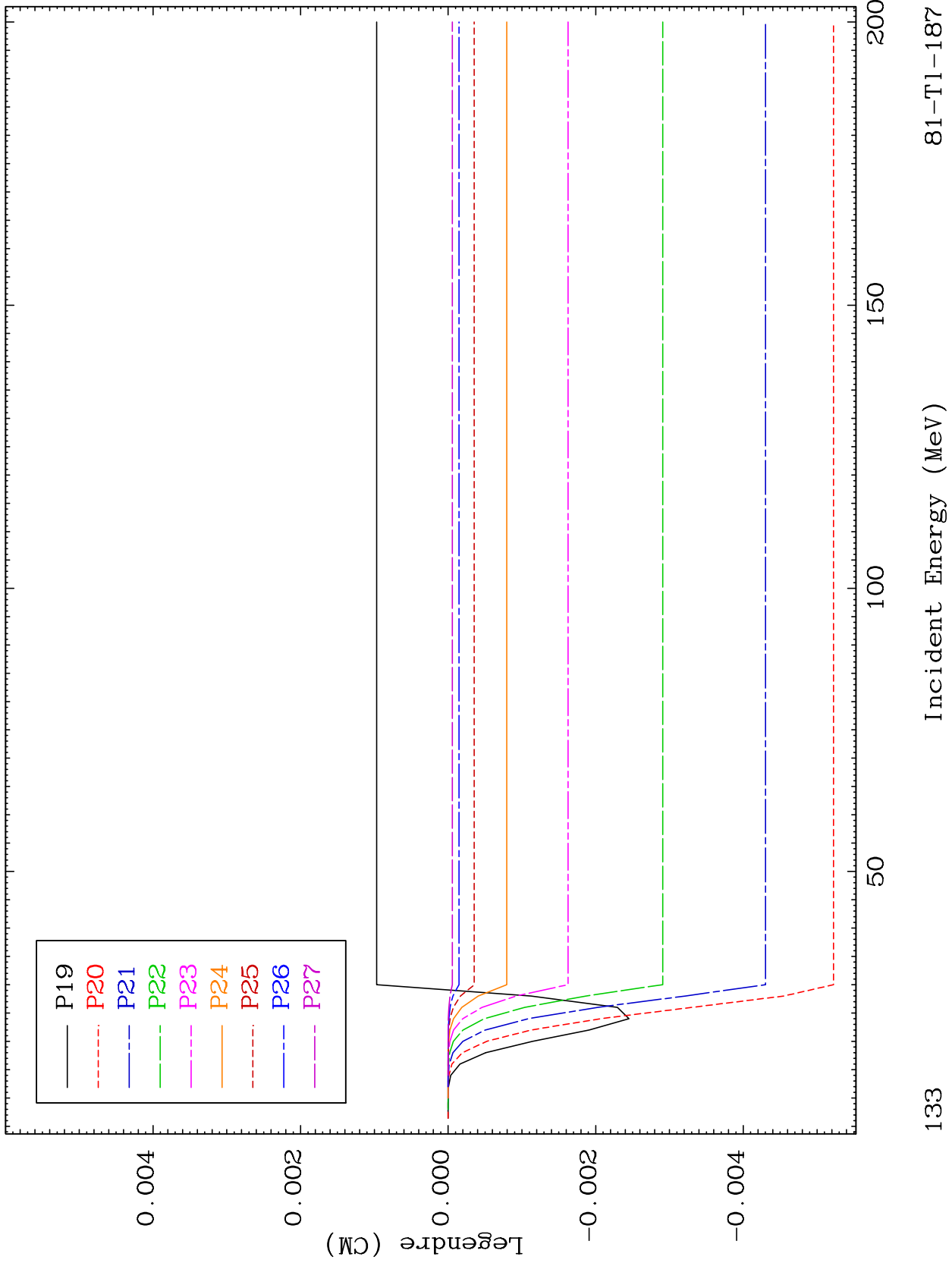
Incident Energy (MeV)

81-Tl-187

MAT 80777

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

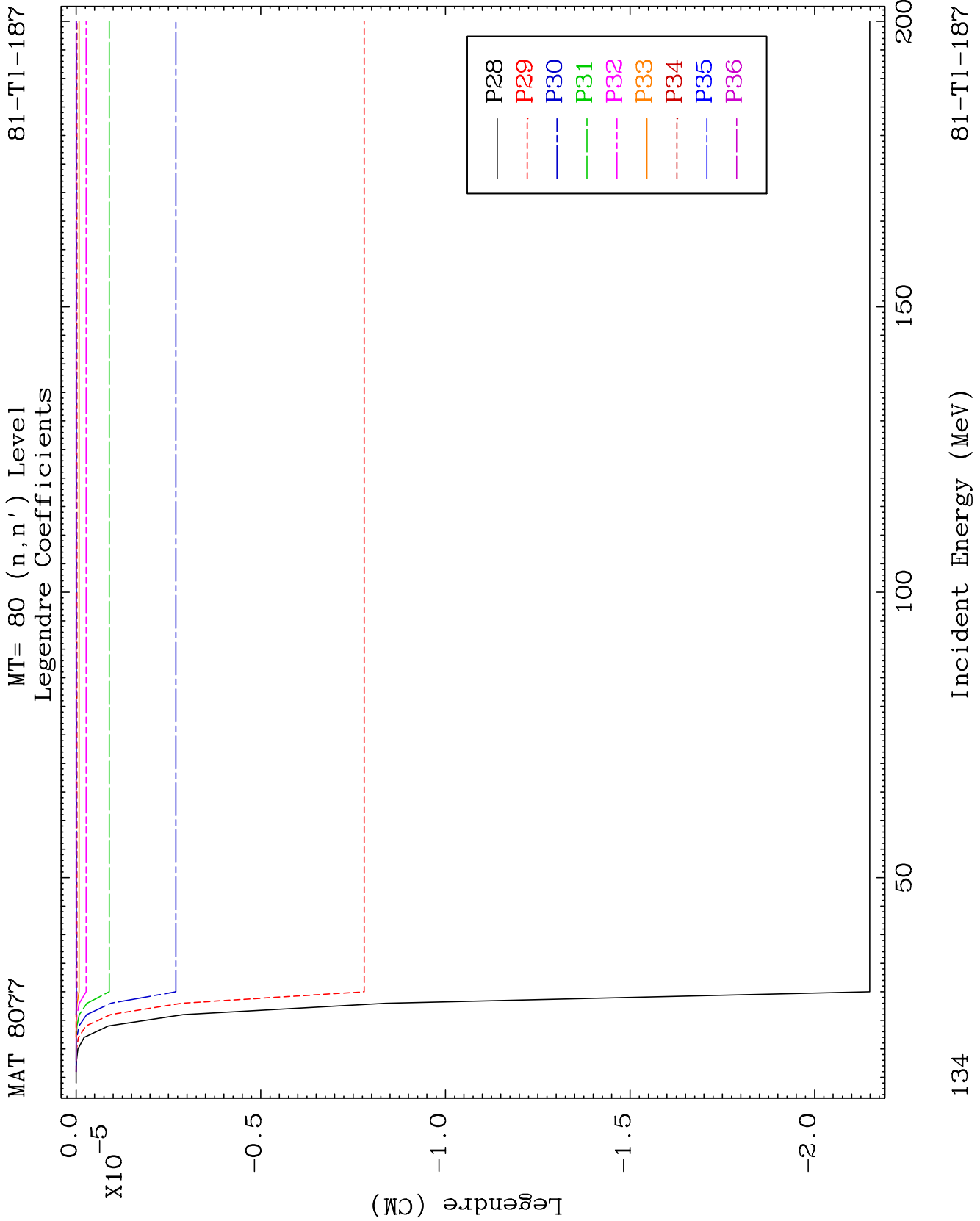
81-T1-187



133

Incident Energy (MeV)

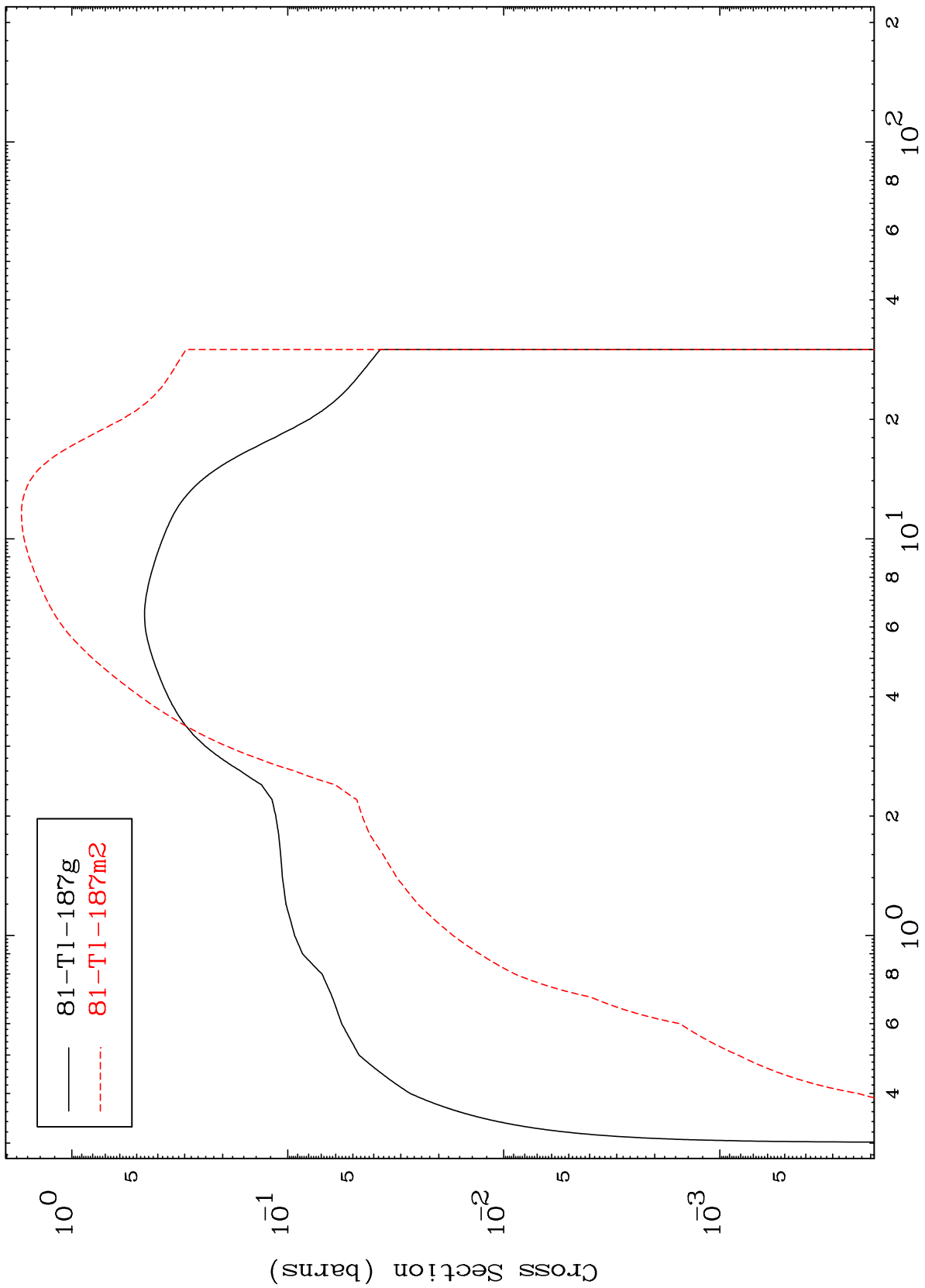
81-T1-187



MAT 8077

81-Tl-187

Inelastic
Radionuclide Production Cross Section

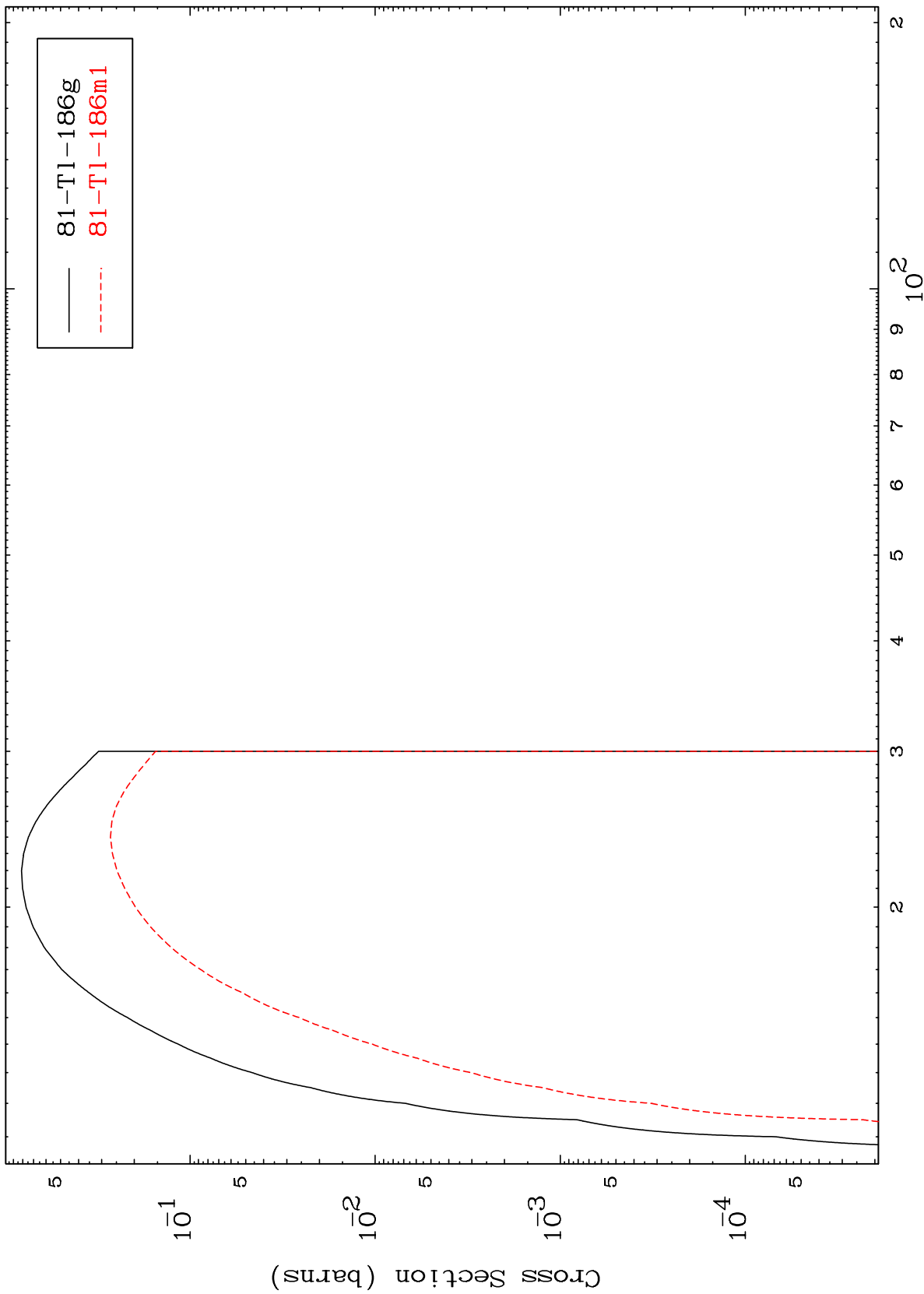


135

Incident Energy (MeV)

81-Tl-187

(n,2n)
Radionuclide Production Cross Section

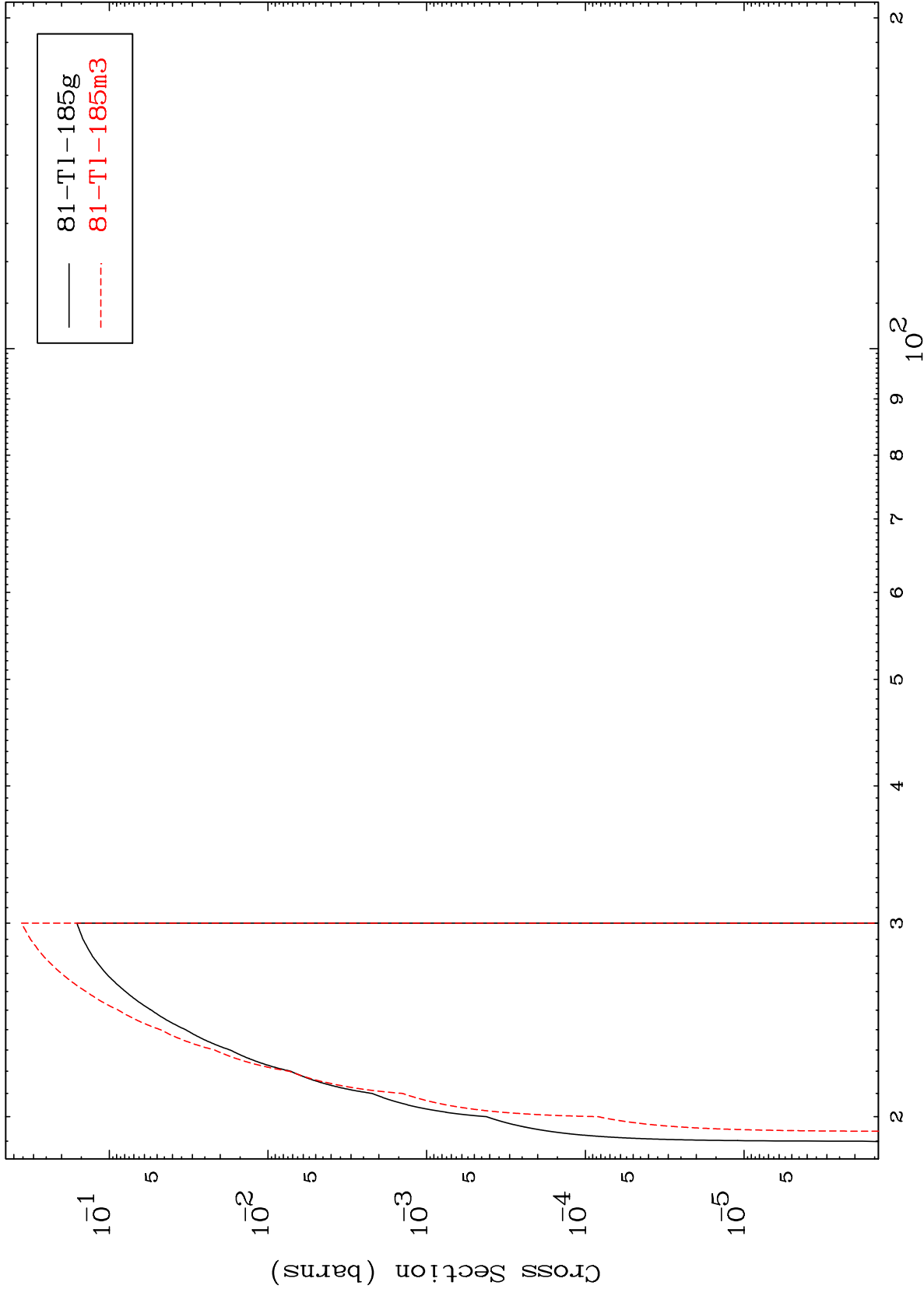


MAT 80777

(n,3n)

81-Tl-187

Radionuclide Production Cross Section



137

Incident Energy (MeV)

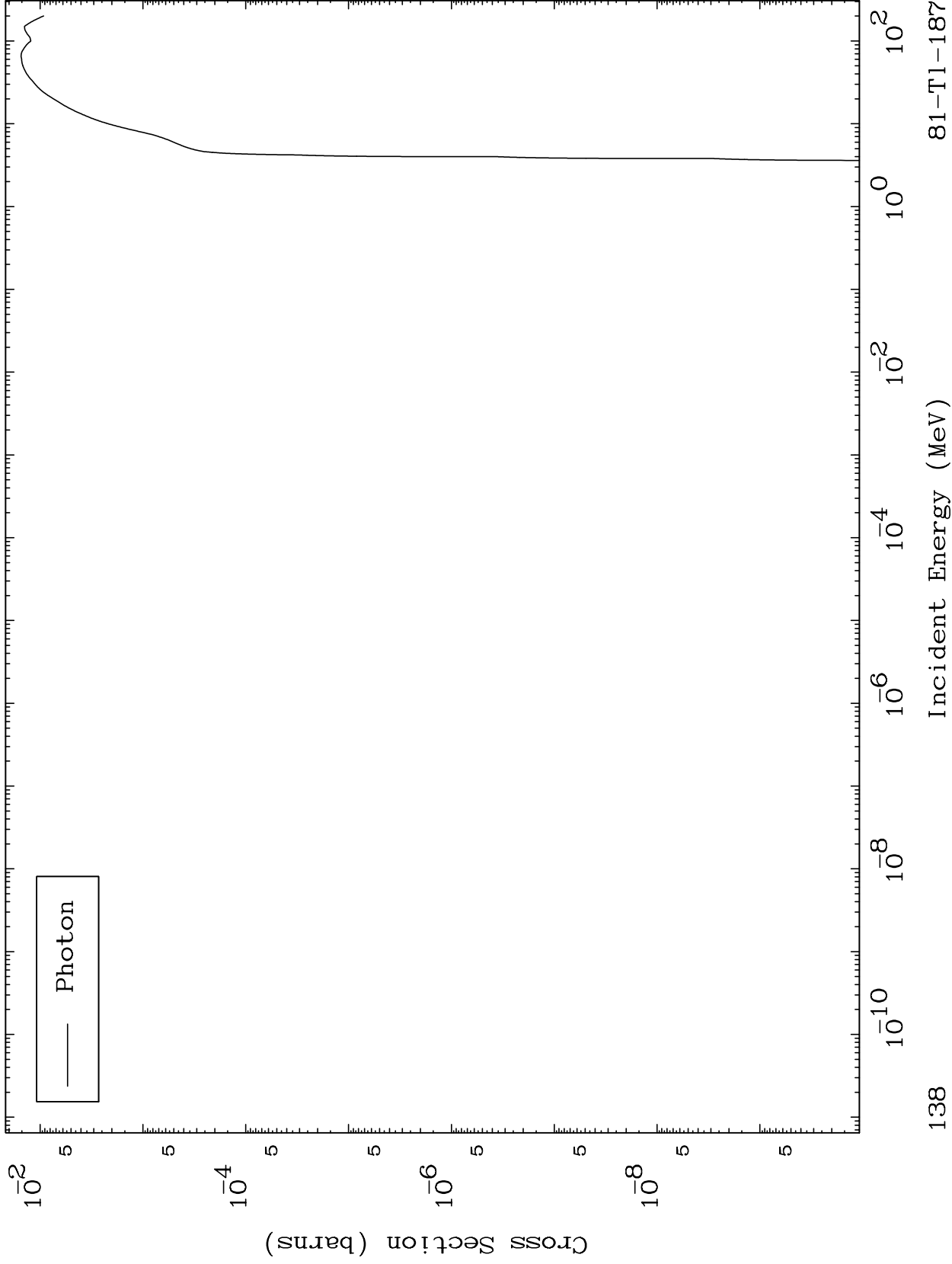
81-Tl-187

MAT 8077

Fission

81-Tl-187

Radionuclide Production Cross Section



138

Incident Energy (MeV)

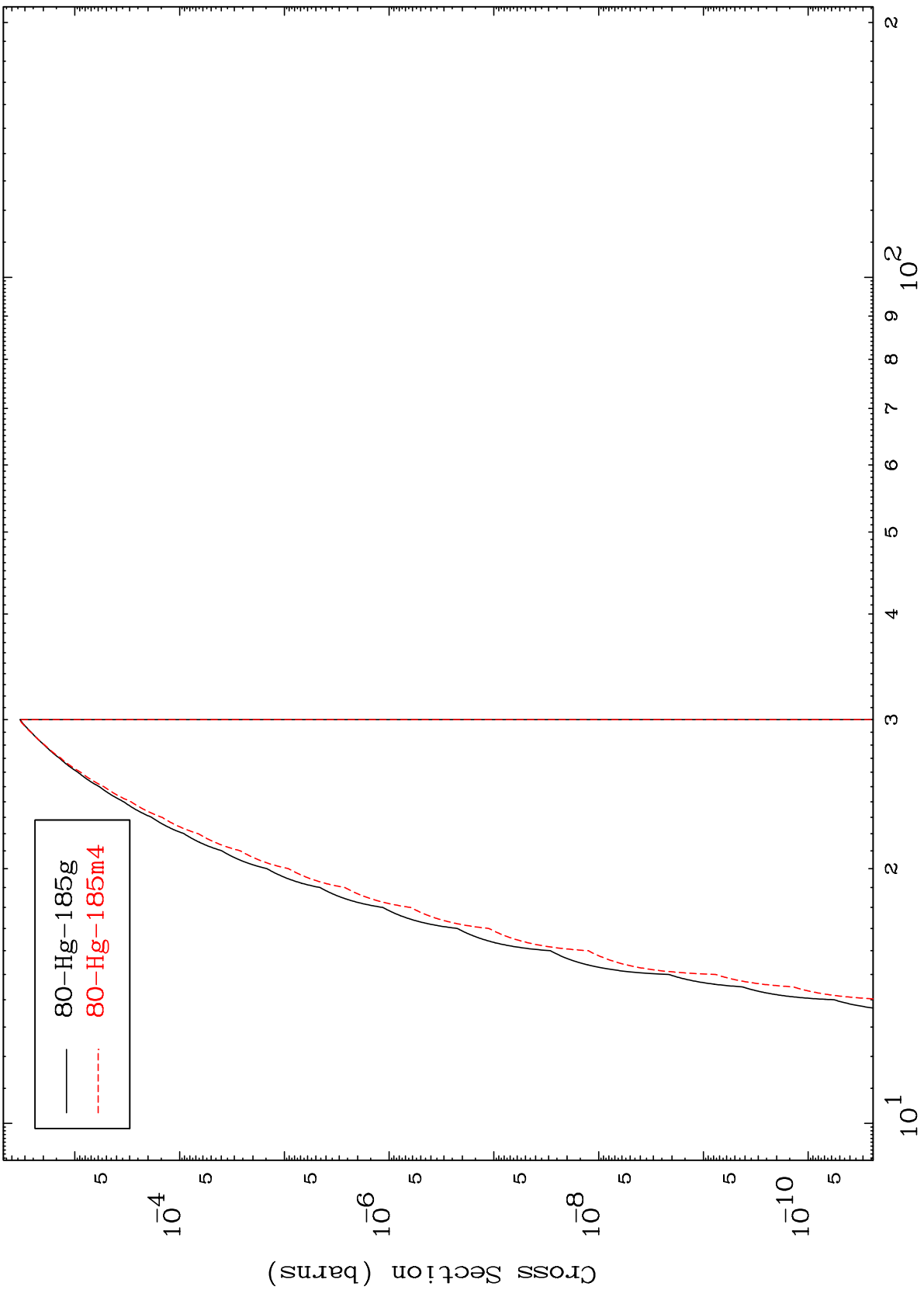
81-Tl-187

MAT 8077

(n,n') d

81-Tl-187

Radionuclide Production Cross Section



80-Hg-185g
80-Hg-185m4

139

Incident Energy (MeV)

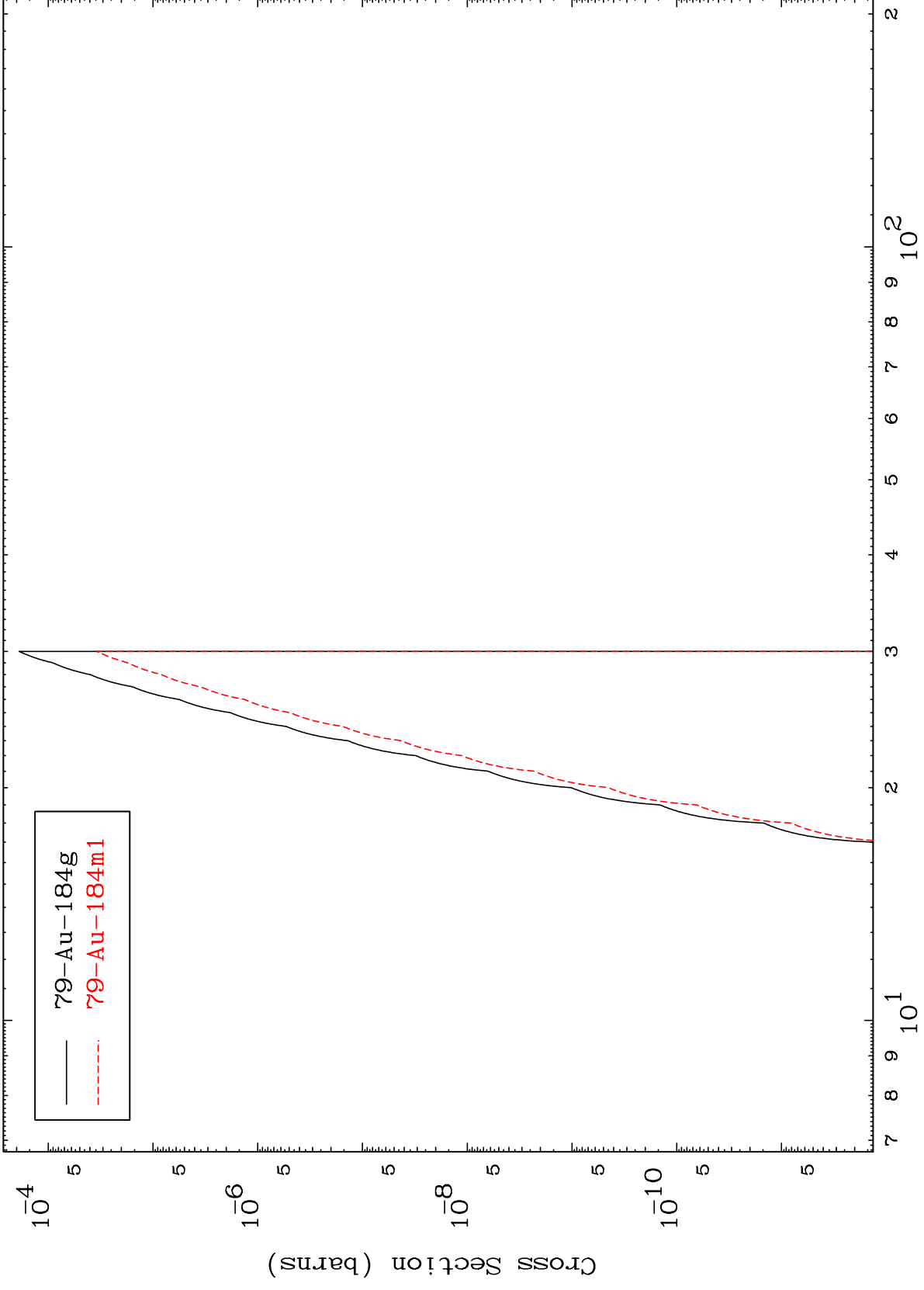
81-Tl-187

MAT 8077

(n,n') He-3

81-Tl-187

Radionuclide Production Cross Section



79-Au-184g
79-Au-184m1

140

Incident Energy (MeV)

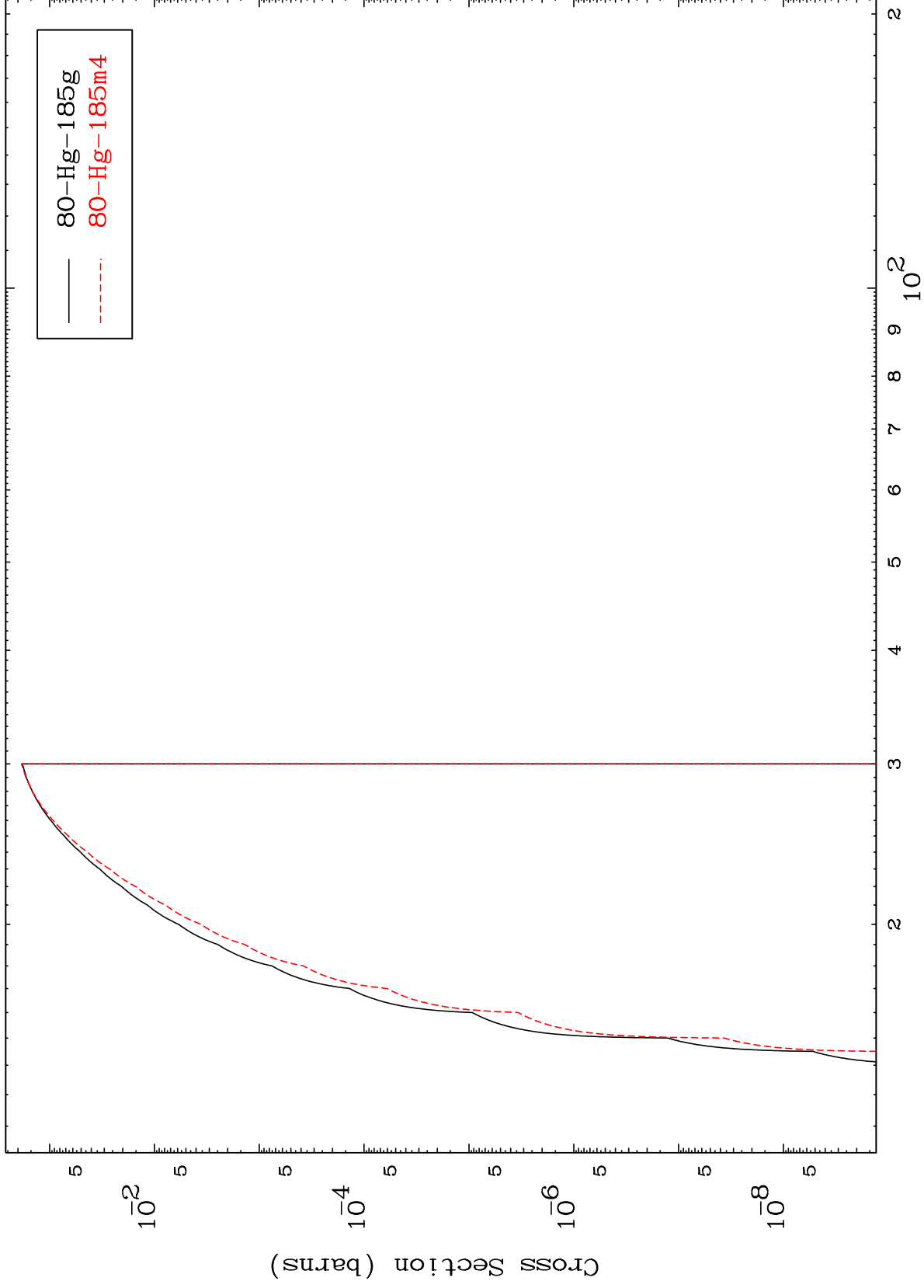
81-Tl-187

MAT 80777

(n,2n) p

81-Tl-187

Radionuclide Production Cross Section



141

Incident Energy (MeV)

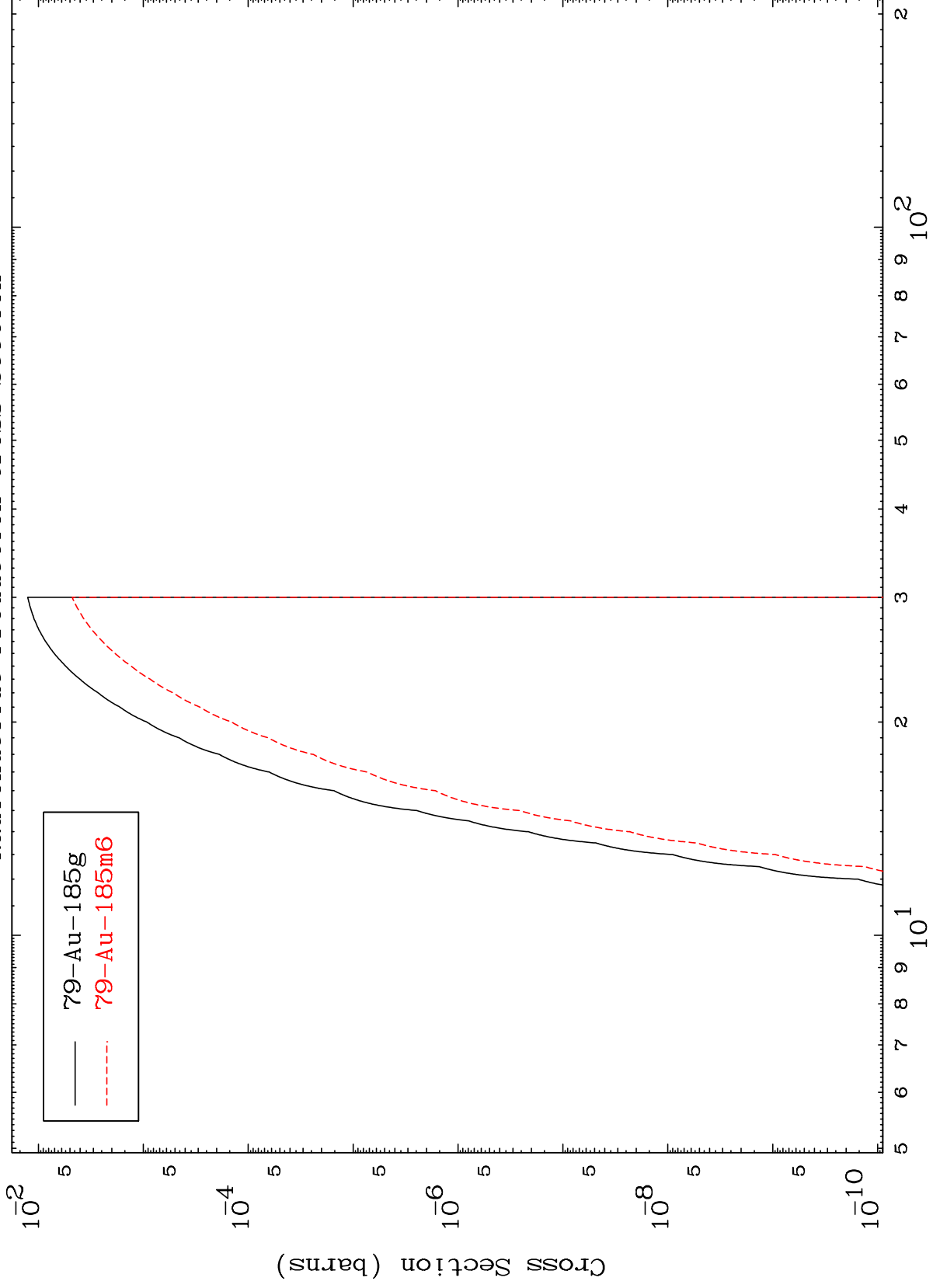
81-Tl-187

MAT 8077

(n,2n) p

81-Tl-187

Radionuclide Production Cross Section



142

Incident Energy (MeV)

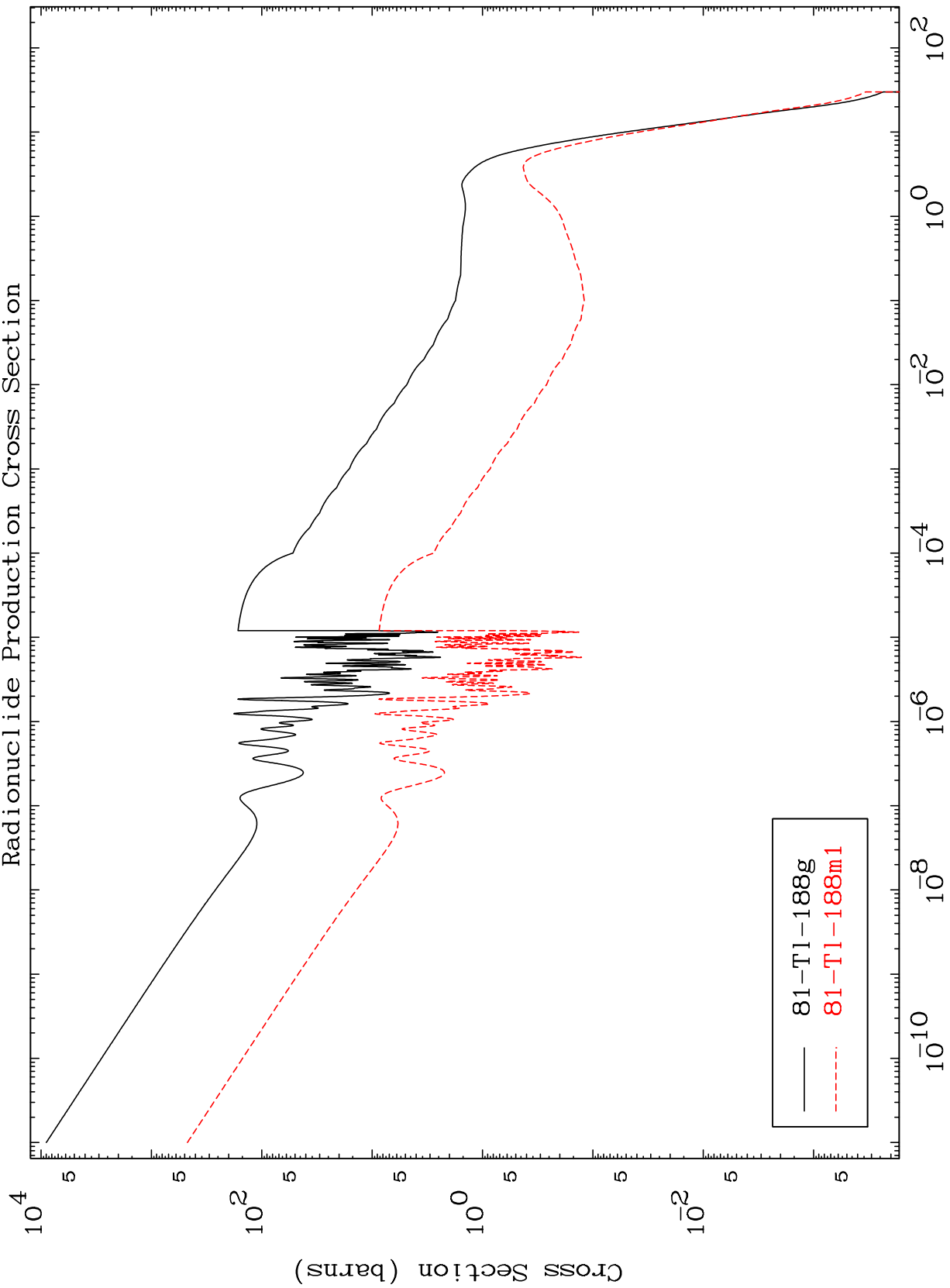
81-Tl-187

MAT 80777

81-Tl-187

Radionuclide Production Cross Section

(n, γ)



81-Tl-187

Incident Energy (MeV)

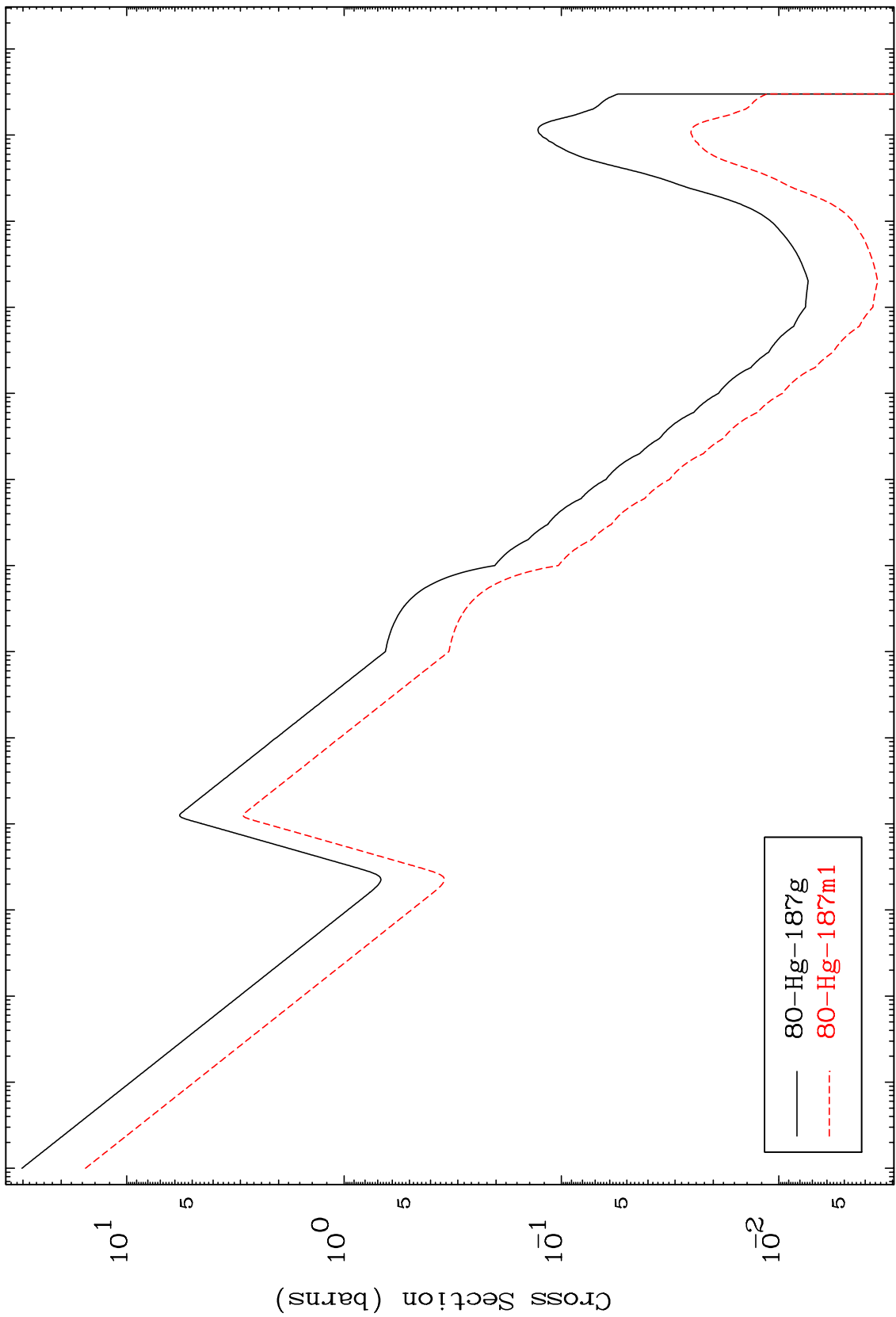
143

MAT 80777

81-Tl-187

Radionuclide Production Cross Section

(n,p)



81-Tl-187

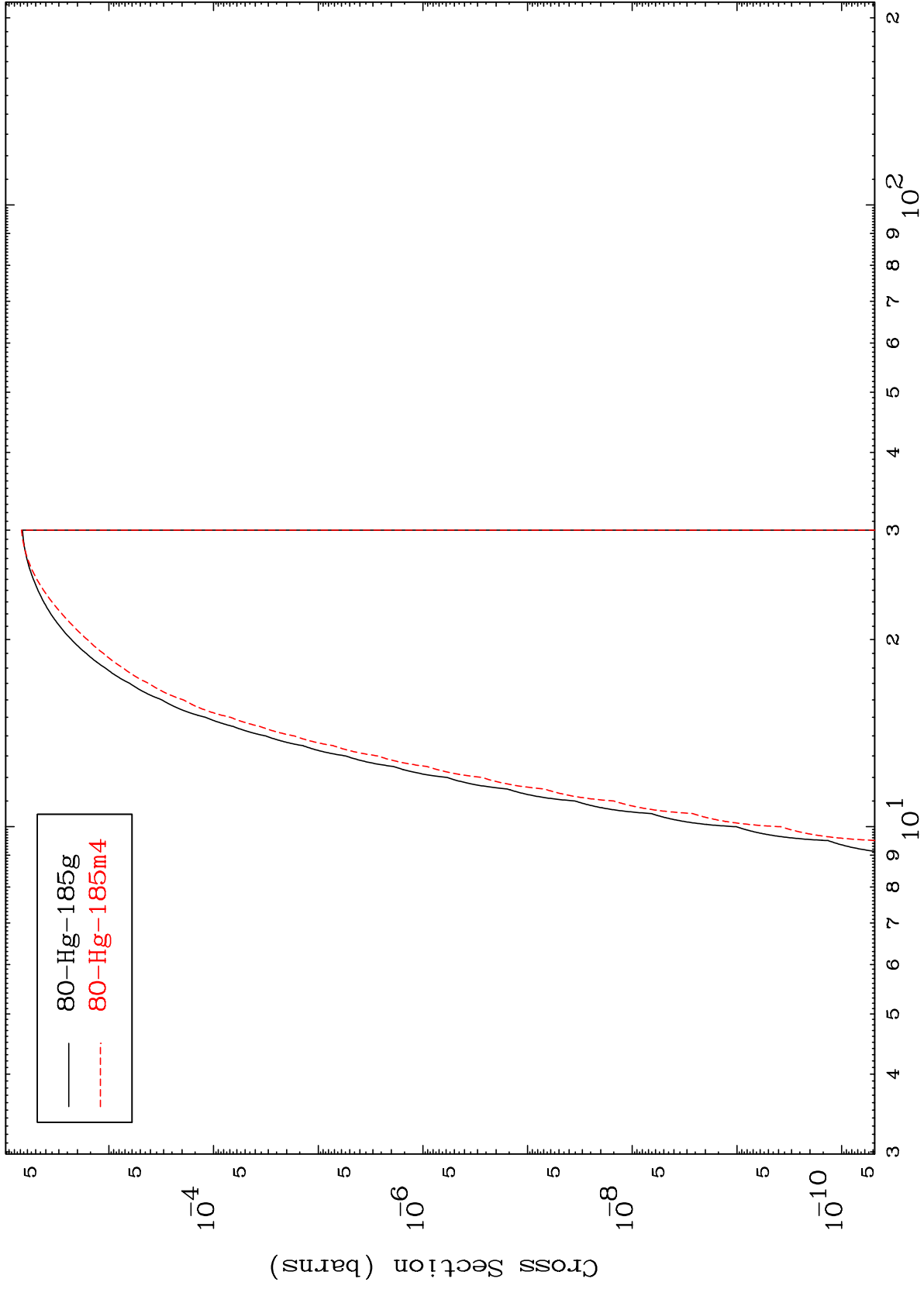
Incident Energy (MeV)

144

MAT 8077

81-Tl-187

Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-187

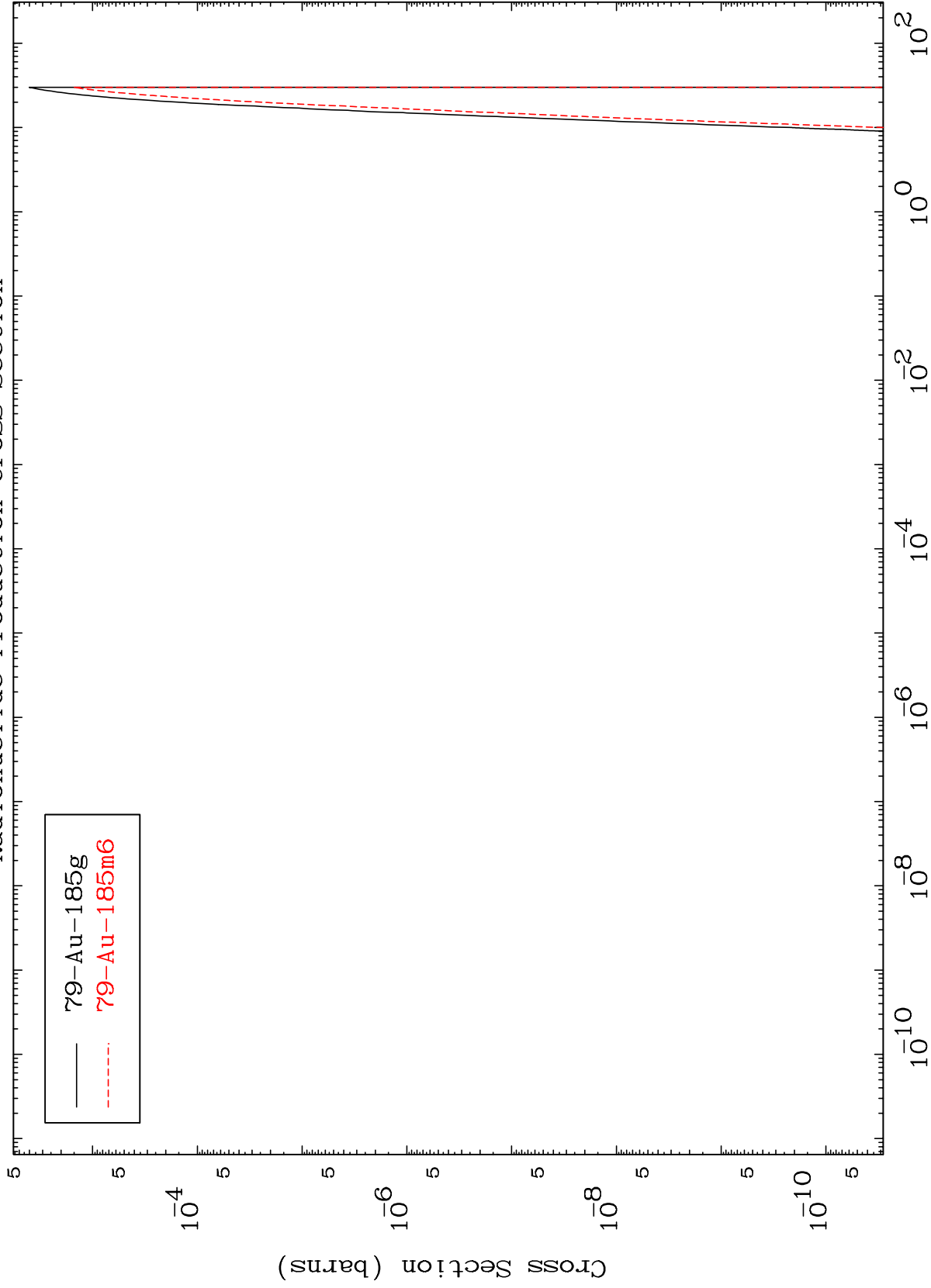
145

MAT 8077

(n,He-3)

81-Tl-187

Radionuclide Production Cross Section



146

Incident Energy (MeV)

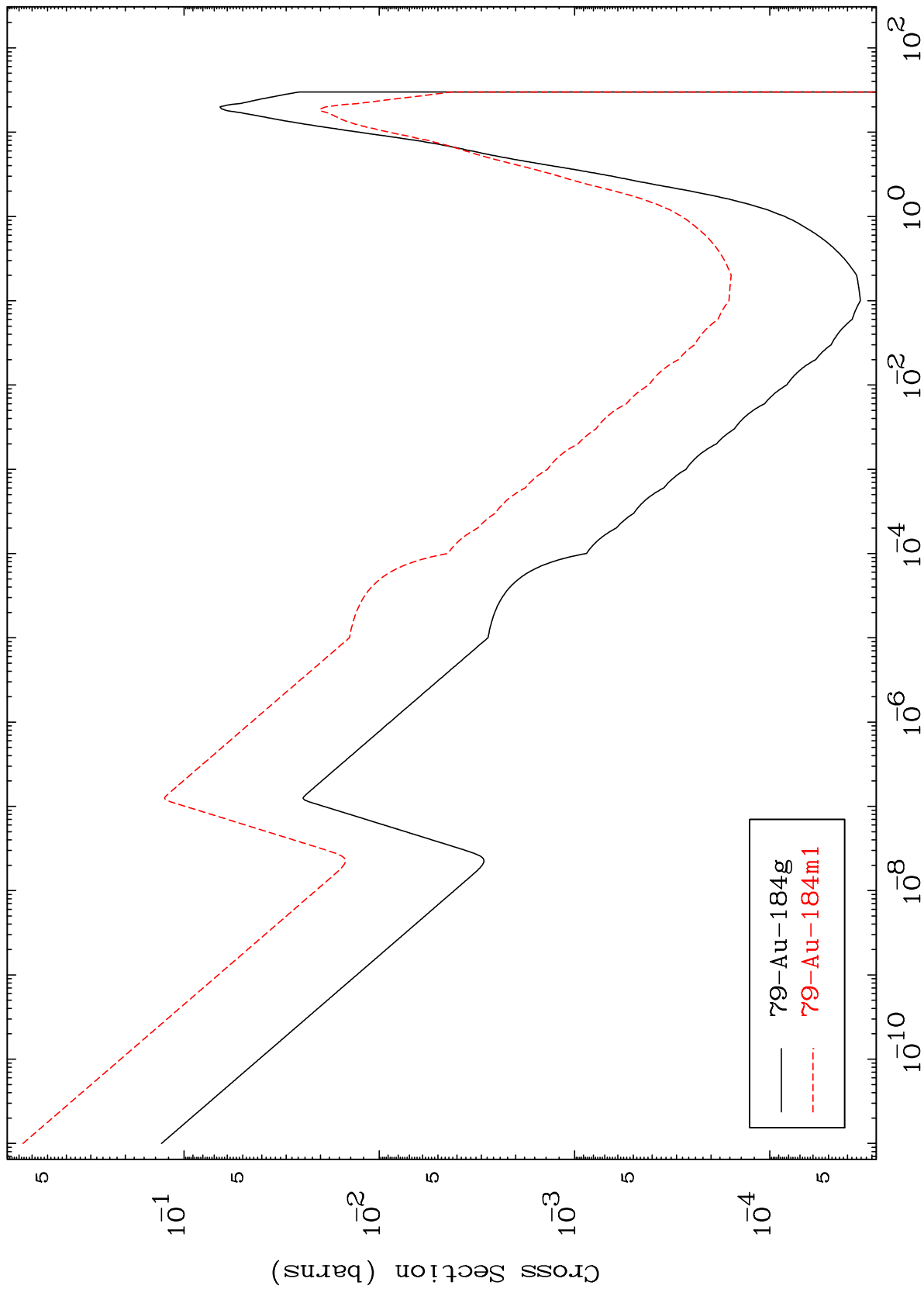
81-Tl-187

MAT 8077

81-Tl-187

Radionuclide Production Cross Section

(n, α)



147

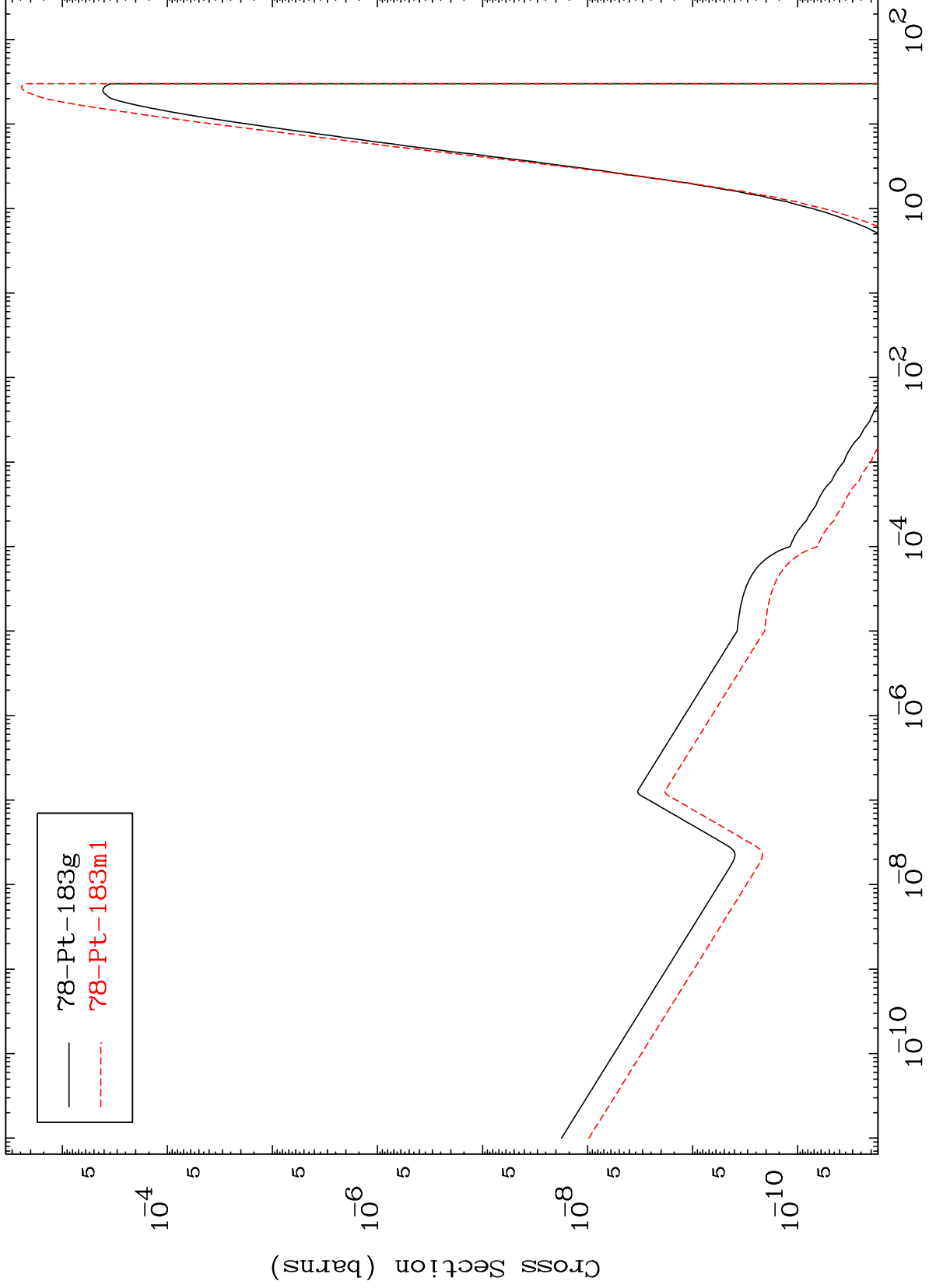
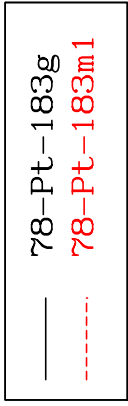
81-Tl-187

MAT 8077

(n,p) α

81-Tl-187

Radionuclide Production Cross Section

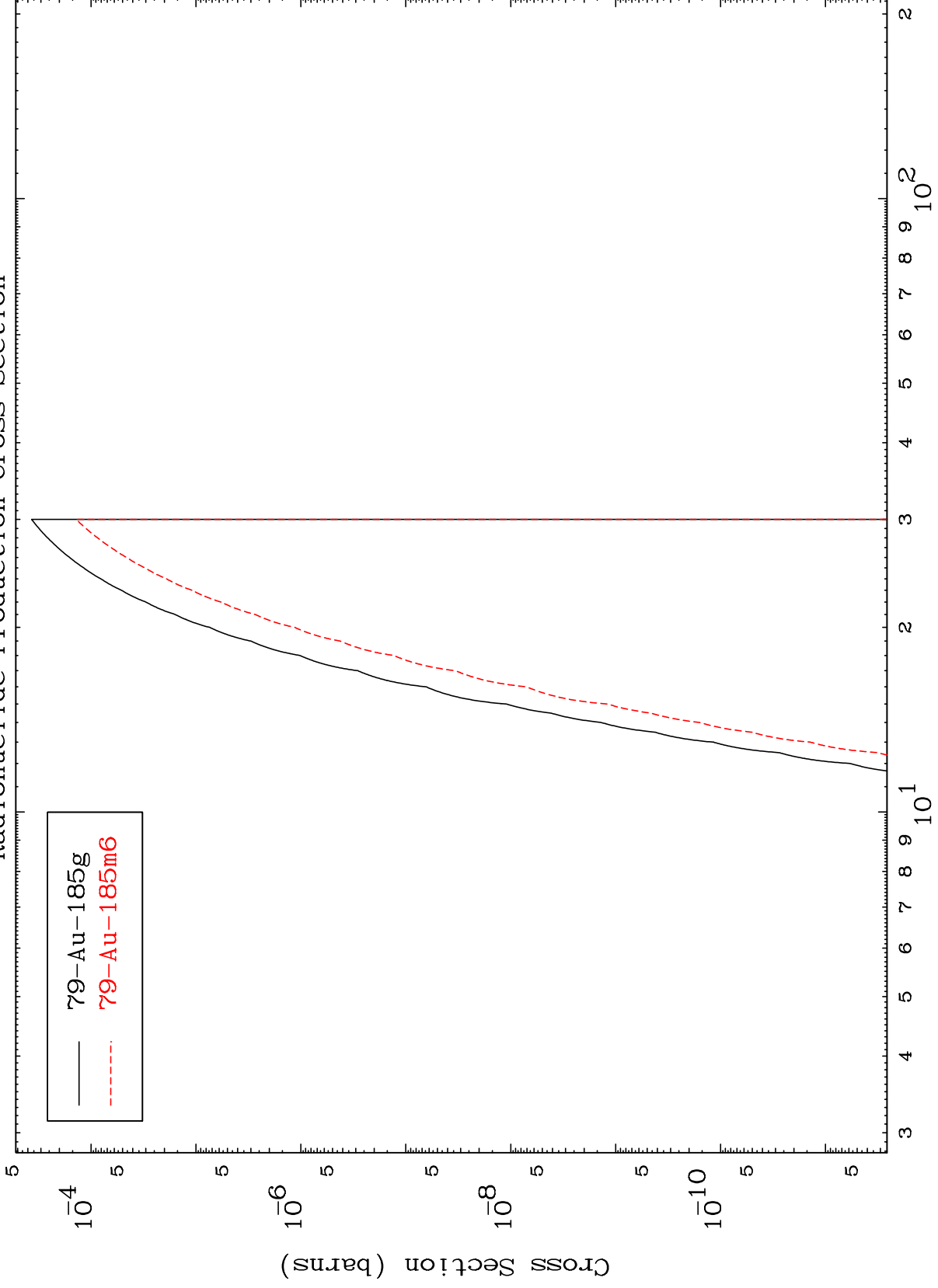


MAT 8077

(n,p) d

81-Tl-187

Radionuclide Production Cross Section



149

Incident Energy (MeV)

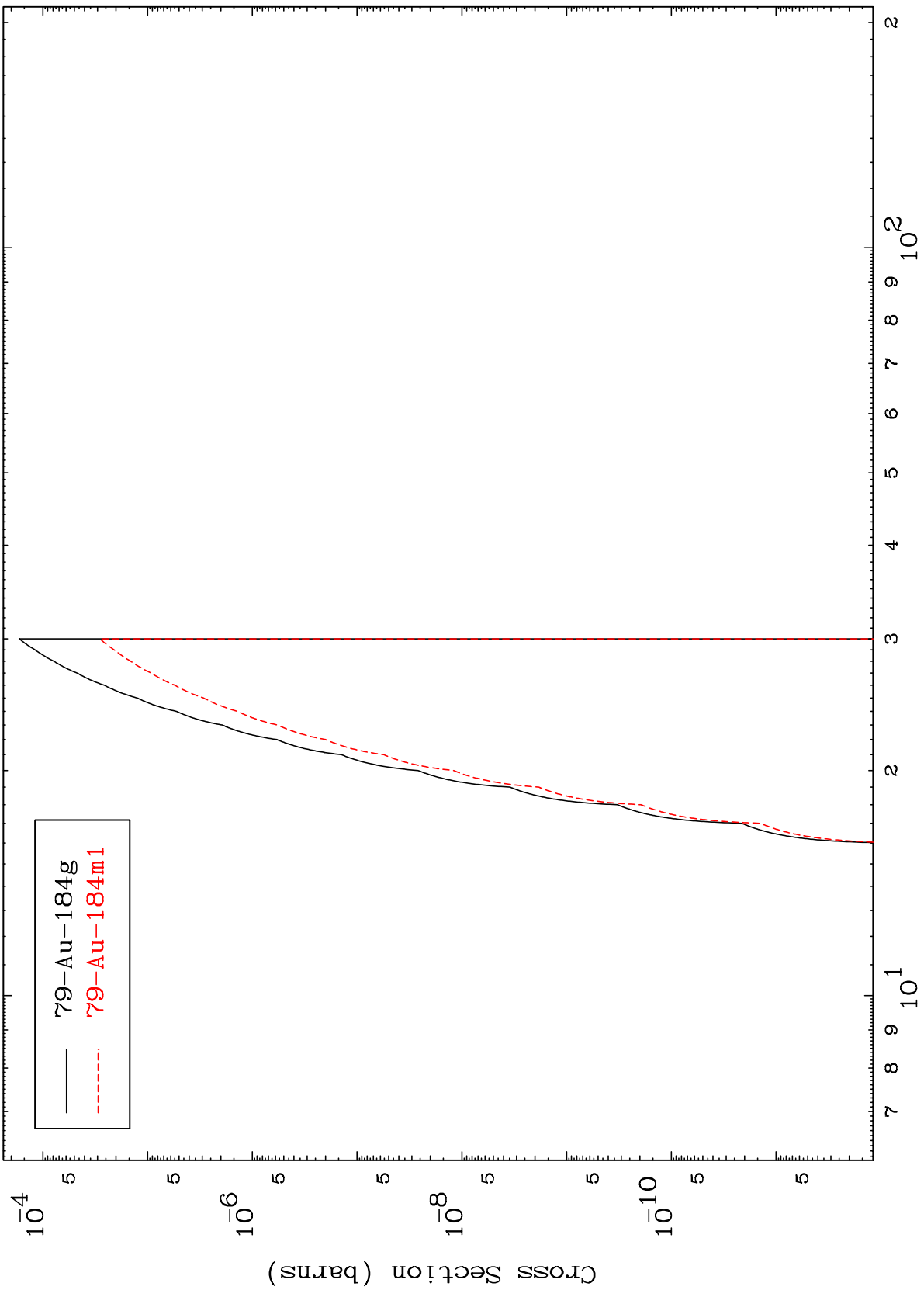
81-Tl-187

MAT 8077

(n,p) t

81-Tl-187

Radionuclide Production Cross Section



79-Au-184g
79-Au-184m1

150

Incident Energy (MeV)

81-Tl-187