

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

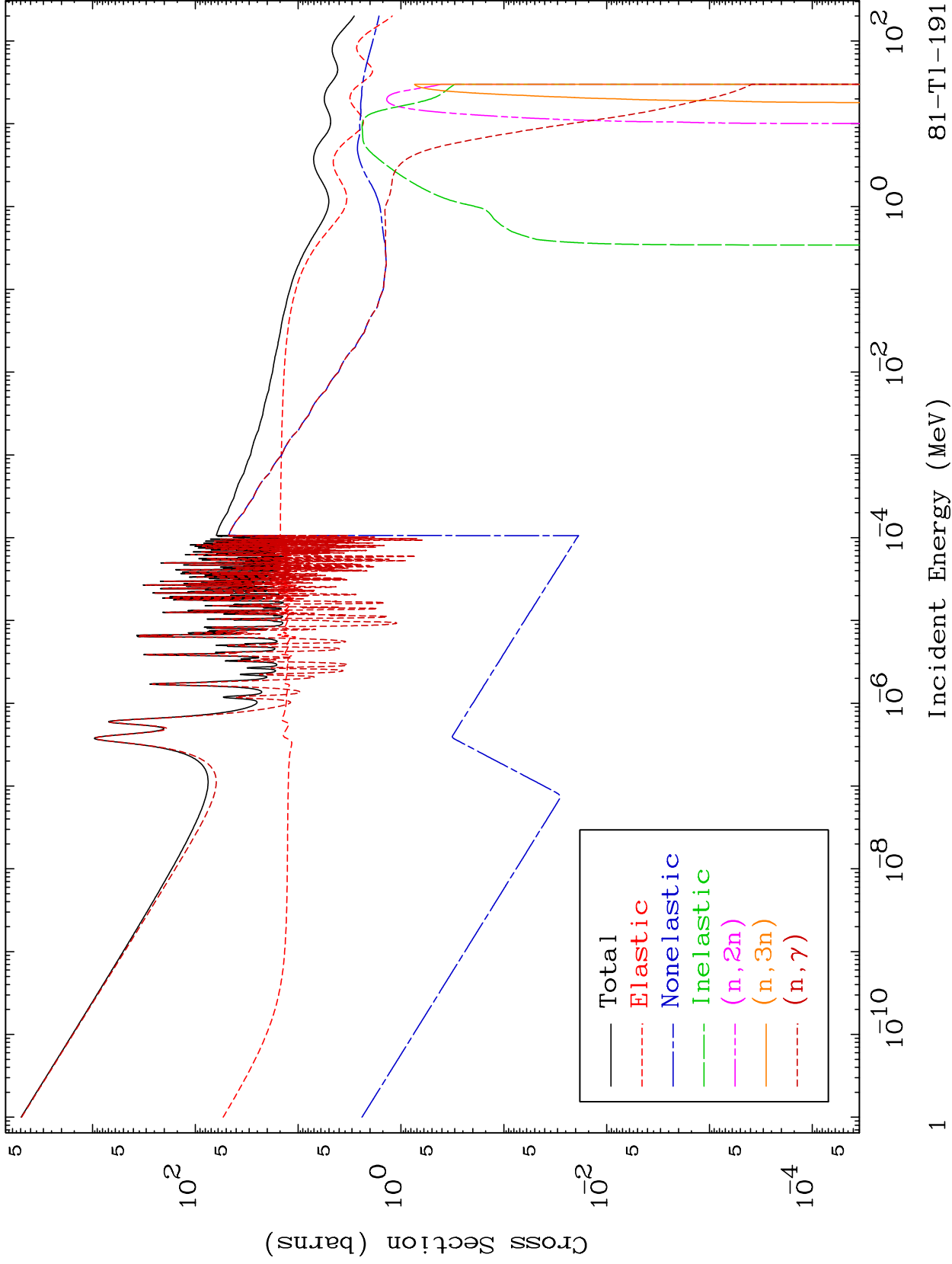
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8089

Neutron Major
293 Kelvin Cross Sections

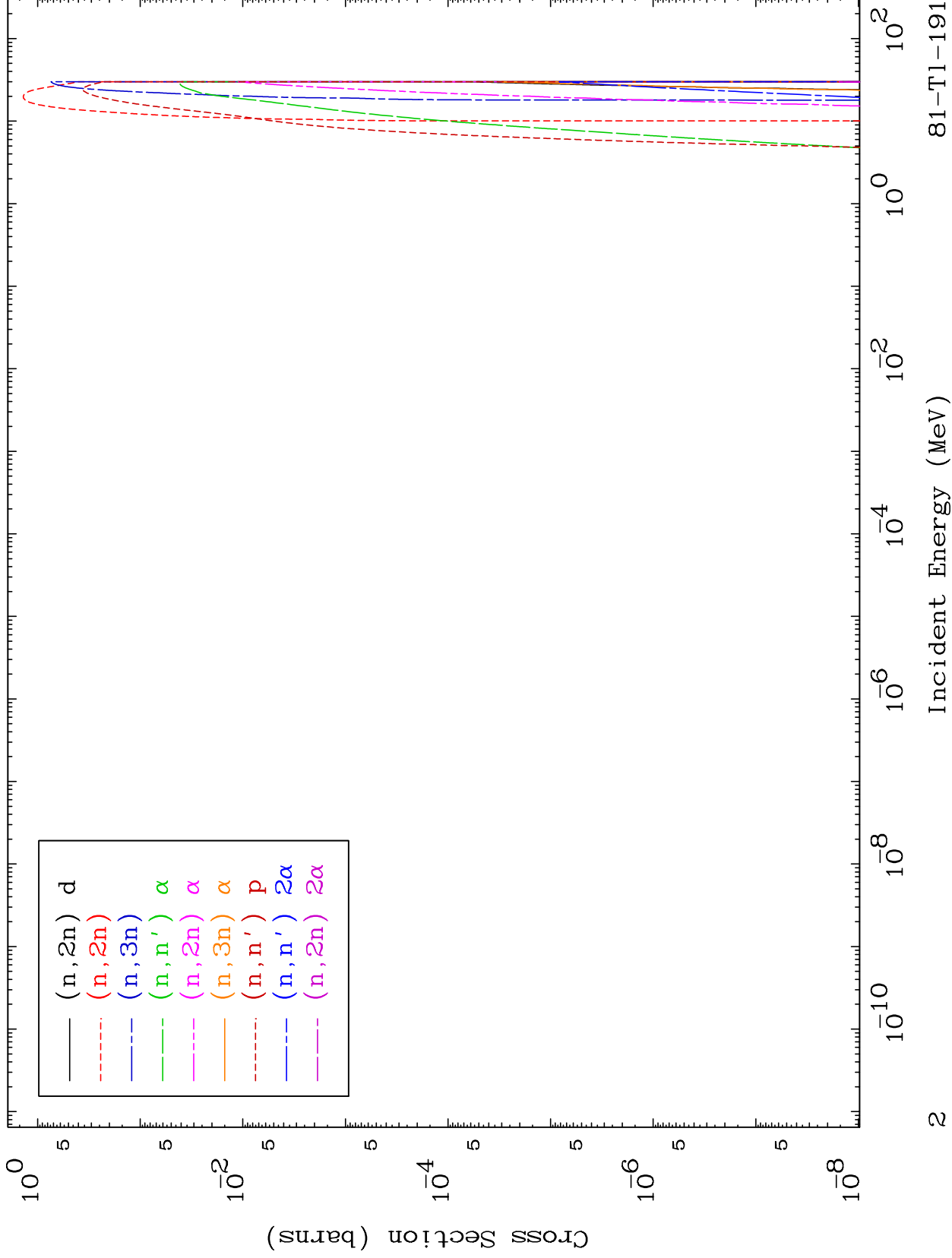
81-Tl-191

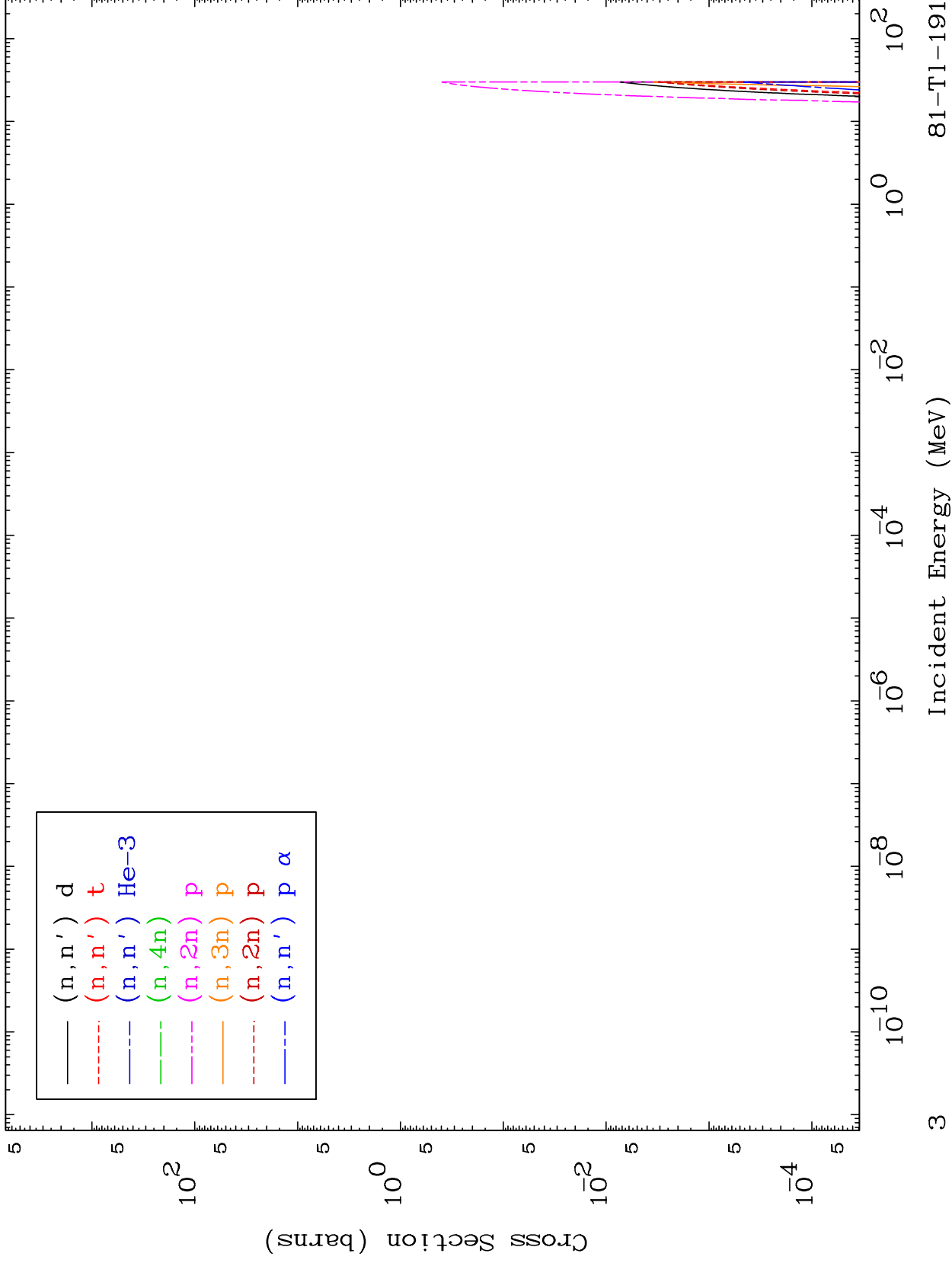


MAT 8089

Neutron Absorption
293 Kelvin Cross Sections

81-Tl-191

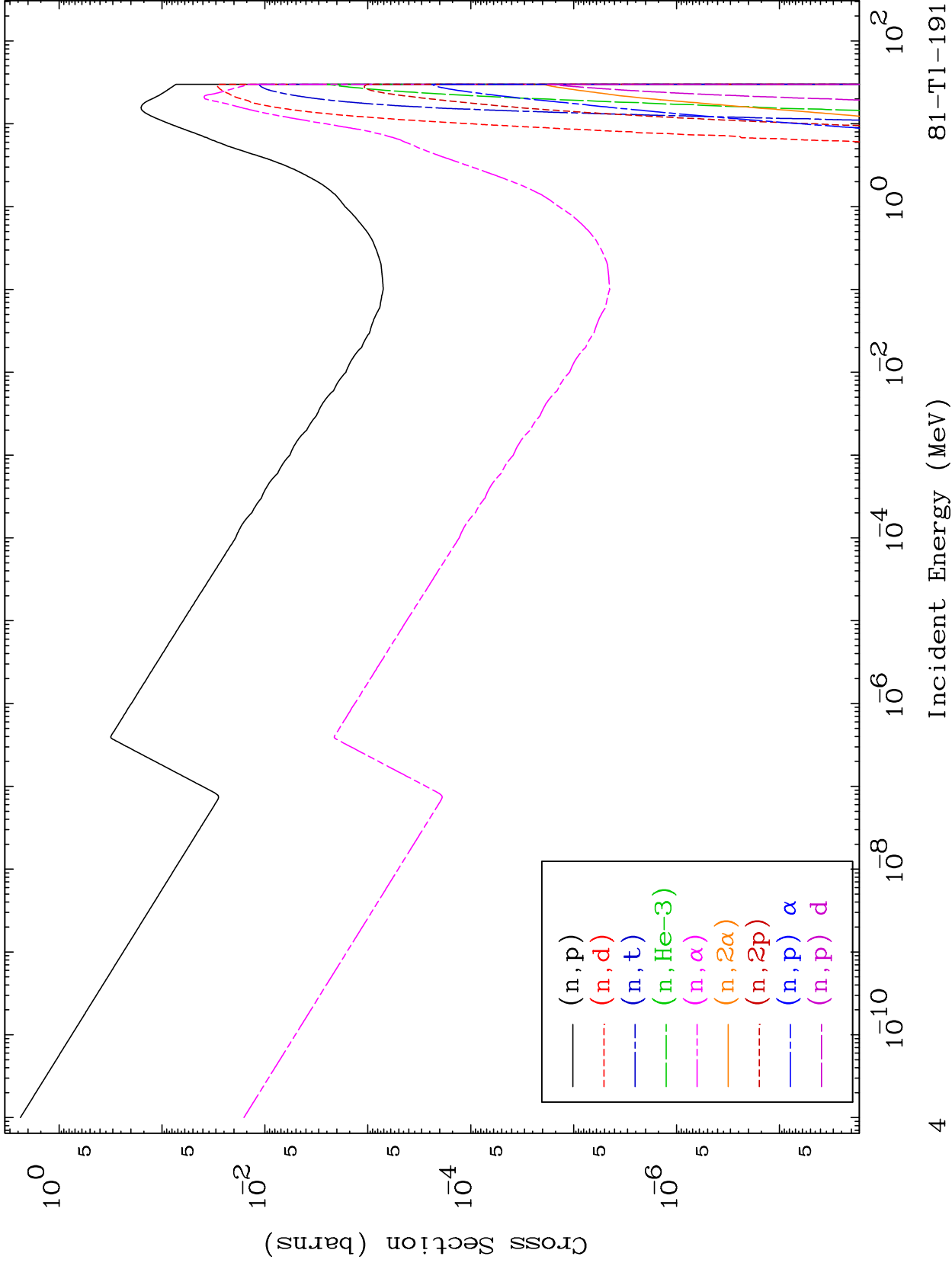


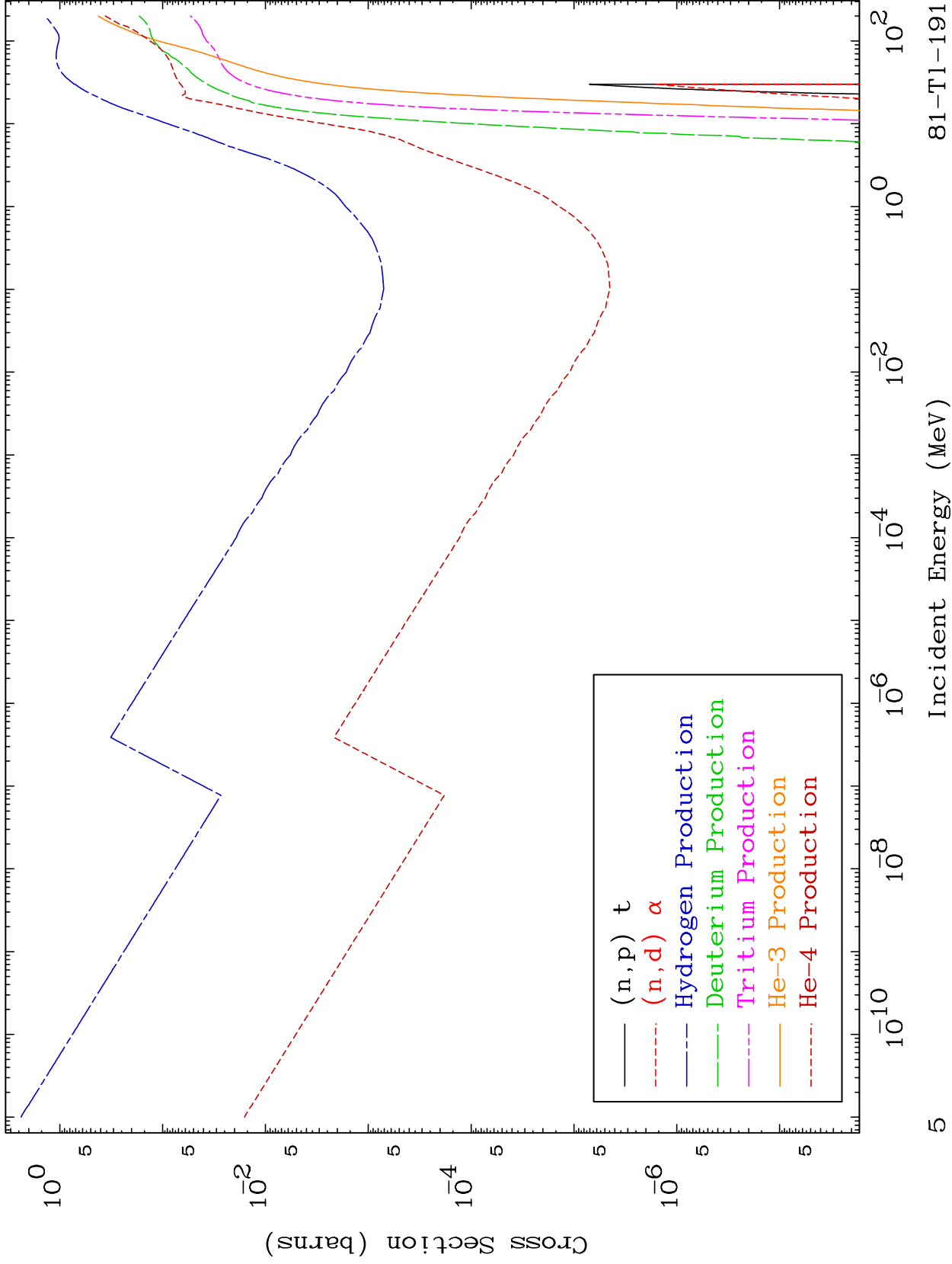


MAT 8089

Neutron Absorption
293 Kelvin Cross Sections

81-Tl-191

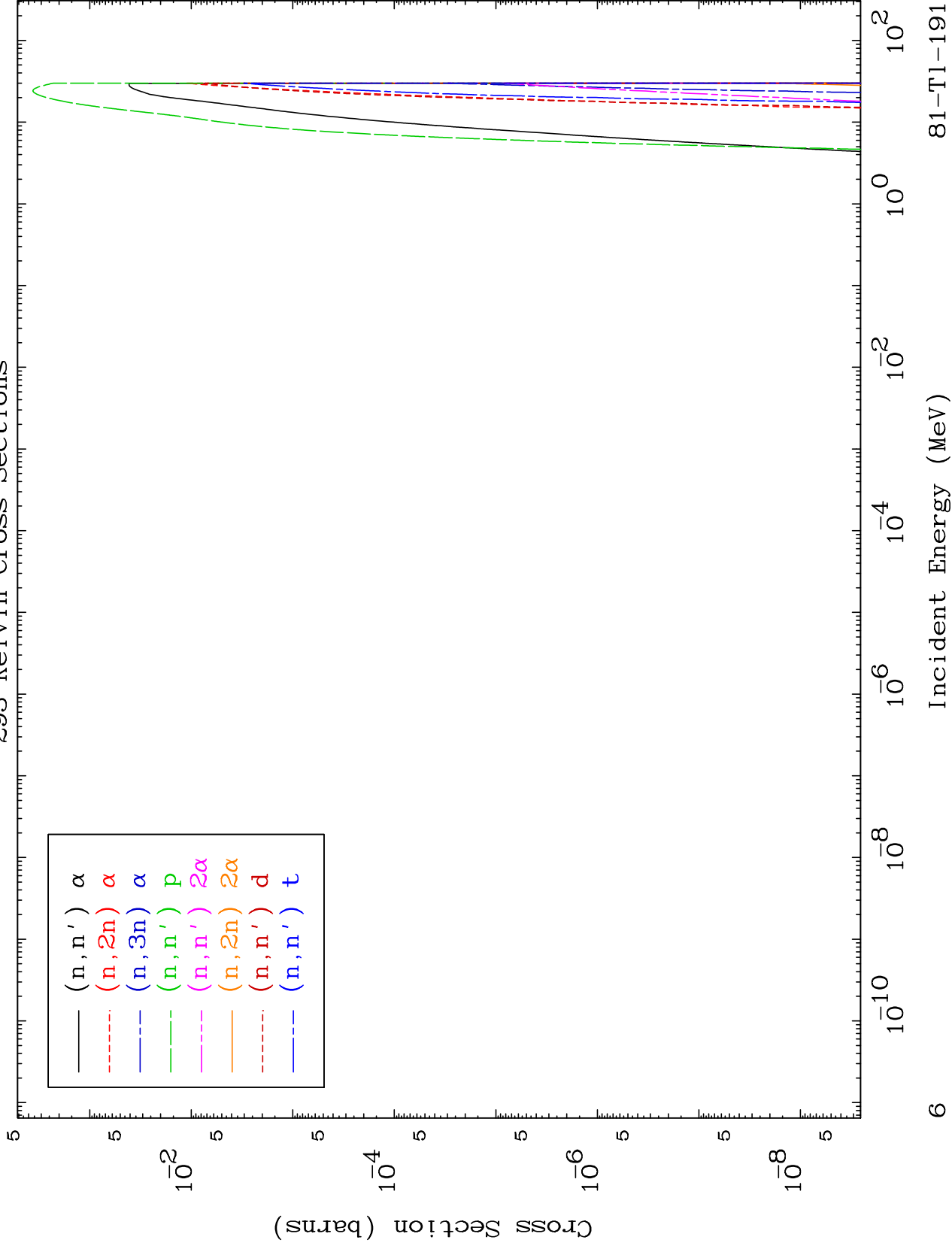




MAT 8089

Charged Particle
293 Kelvin Cross Sections

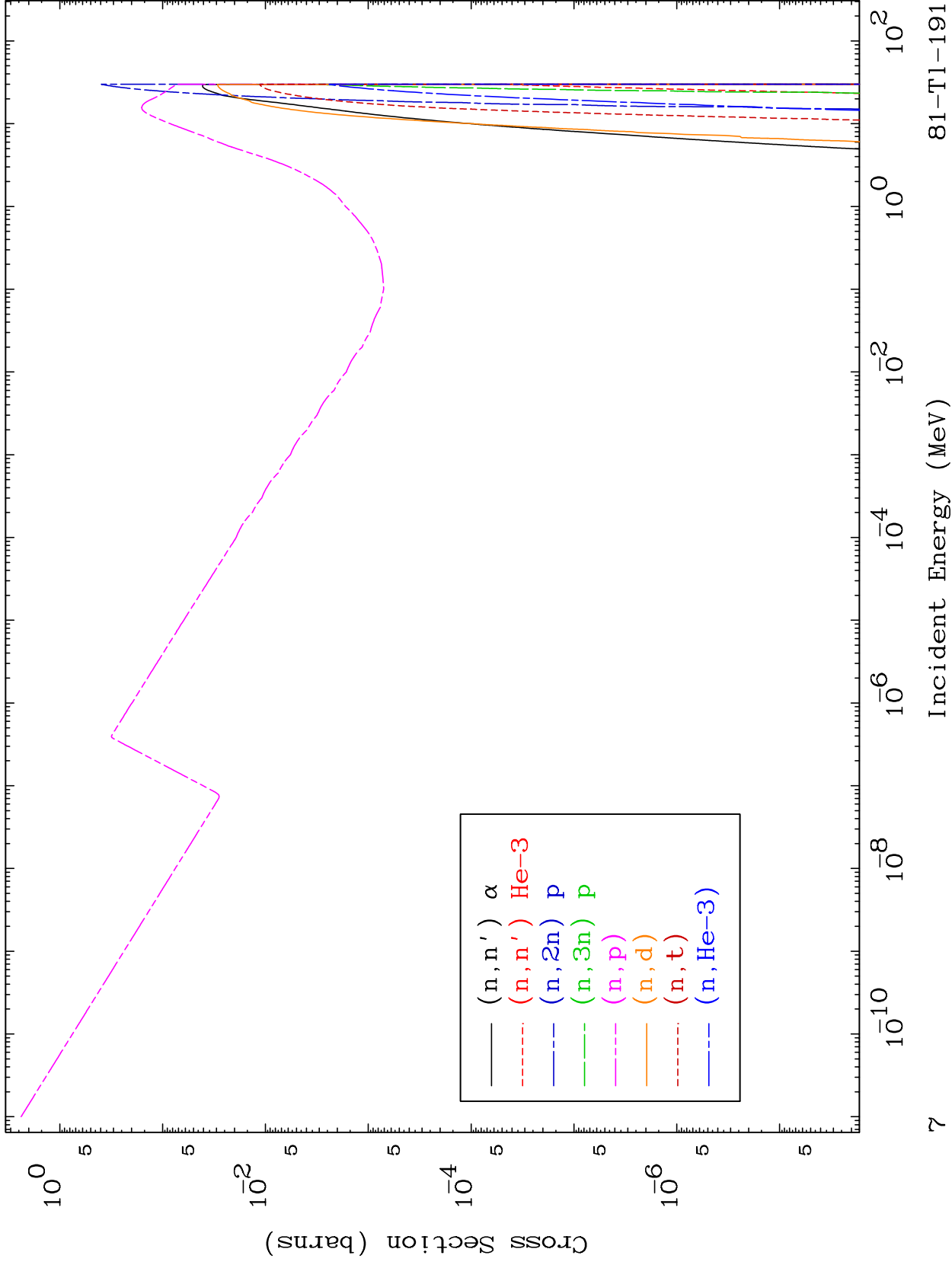
81-Tl-191

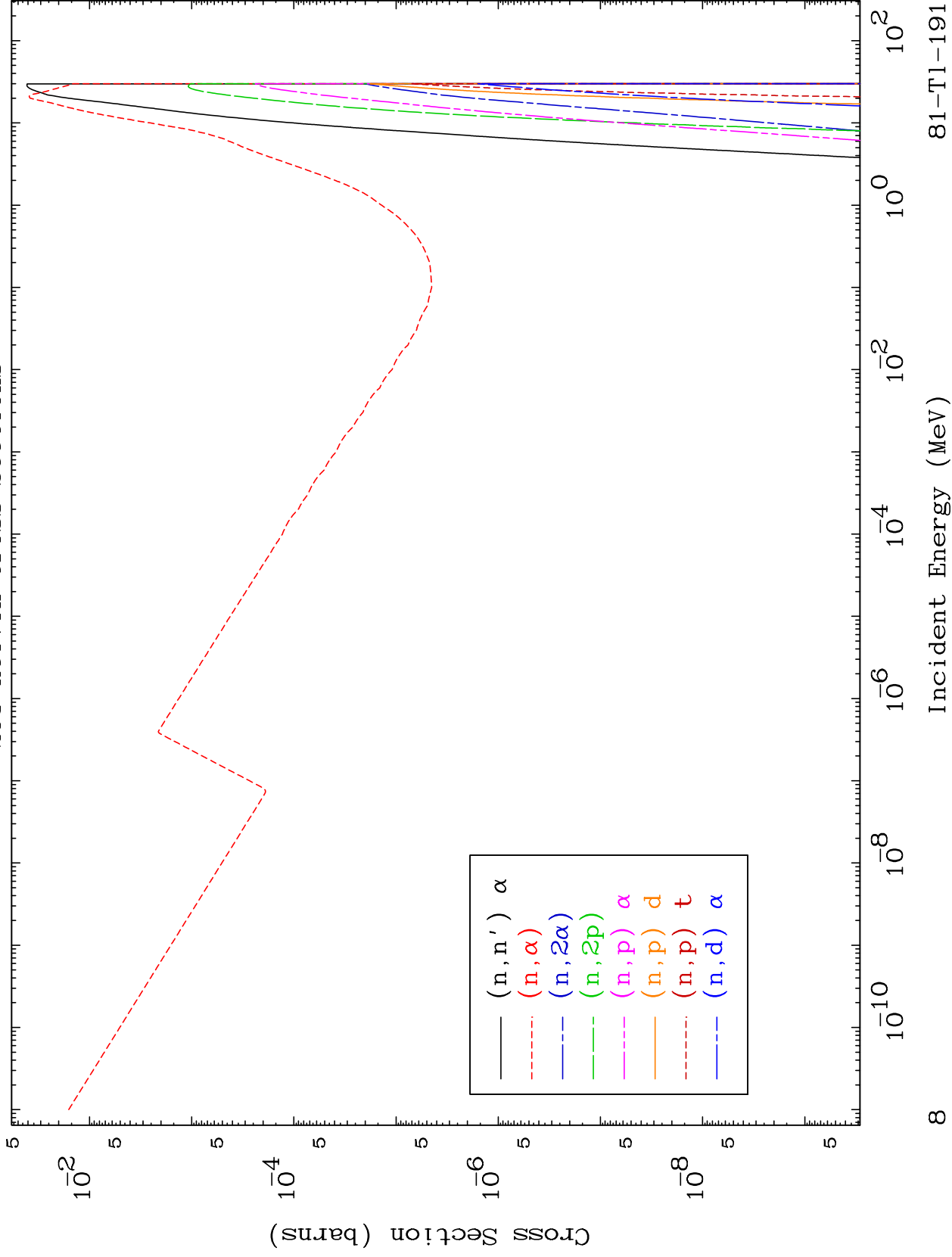


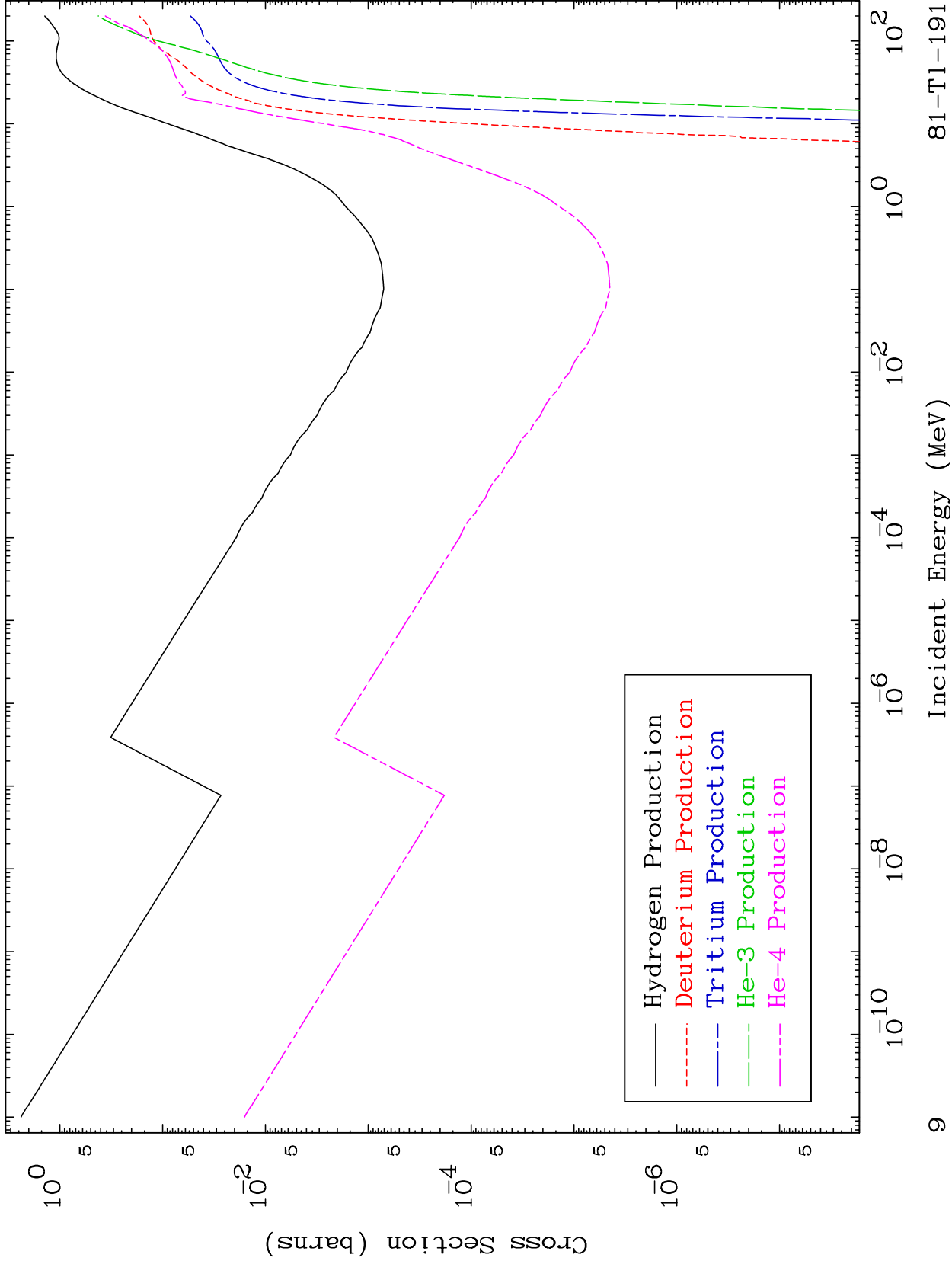
MAT 8089

Charged Particle
293 Kelvin Cross Sections

81-Tl-191





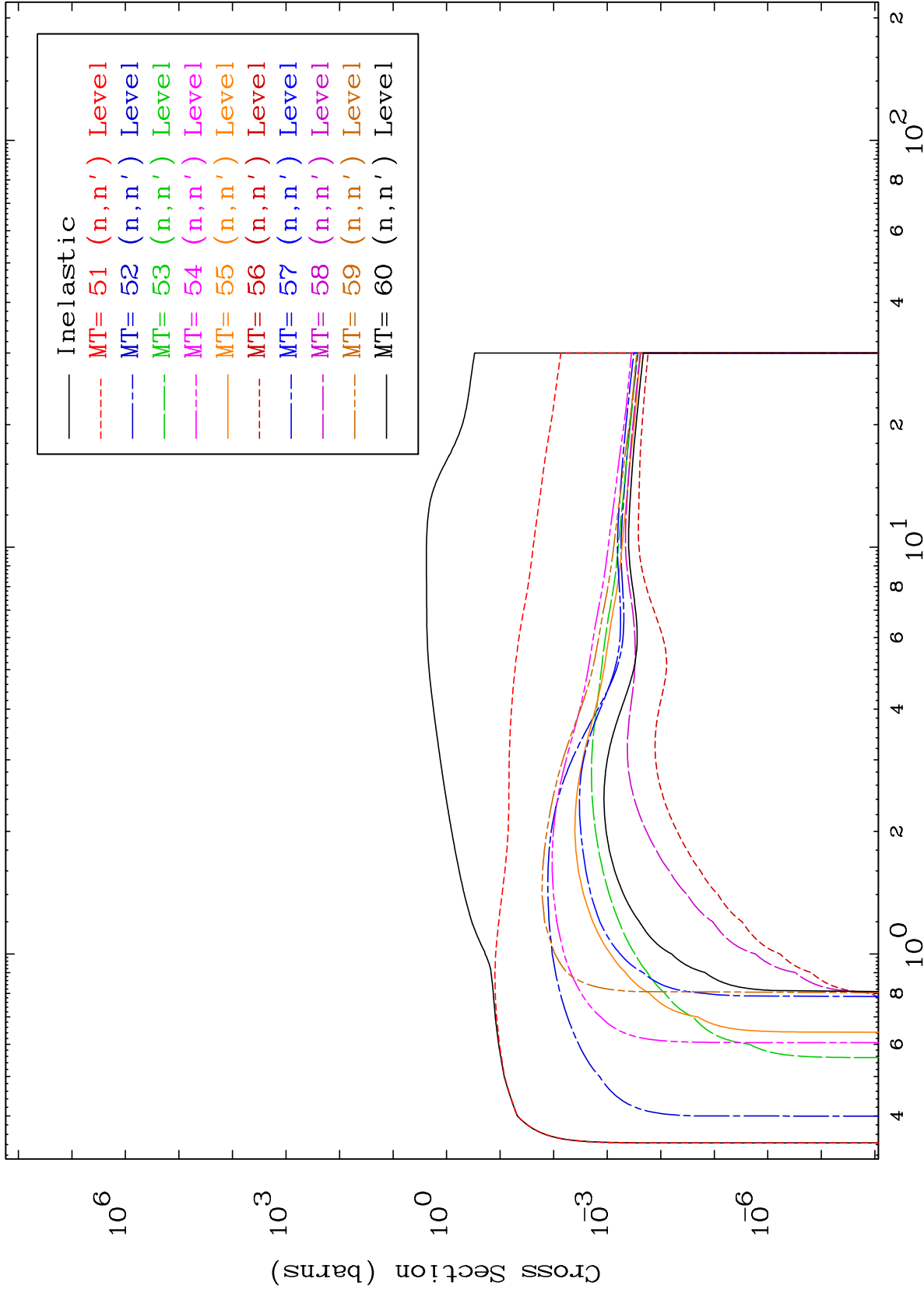


MAT 8089

(n,n') Levels

81-Tl-191

293 Kelvin Cross Sections



10

Incident Energy (MeV)

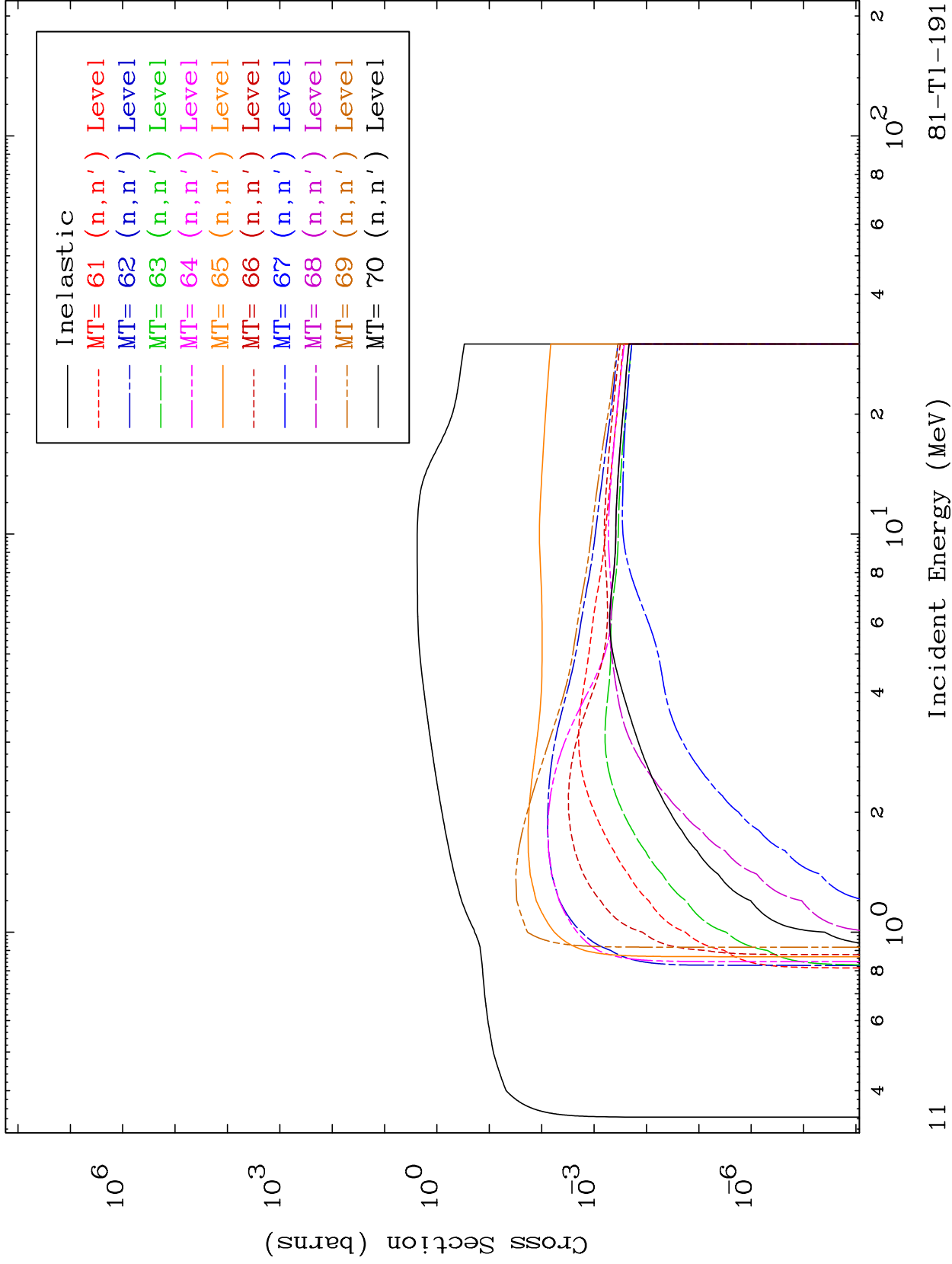
81-Tl-191

MAT 8089

(n,n') Levels

81-Tl-191

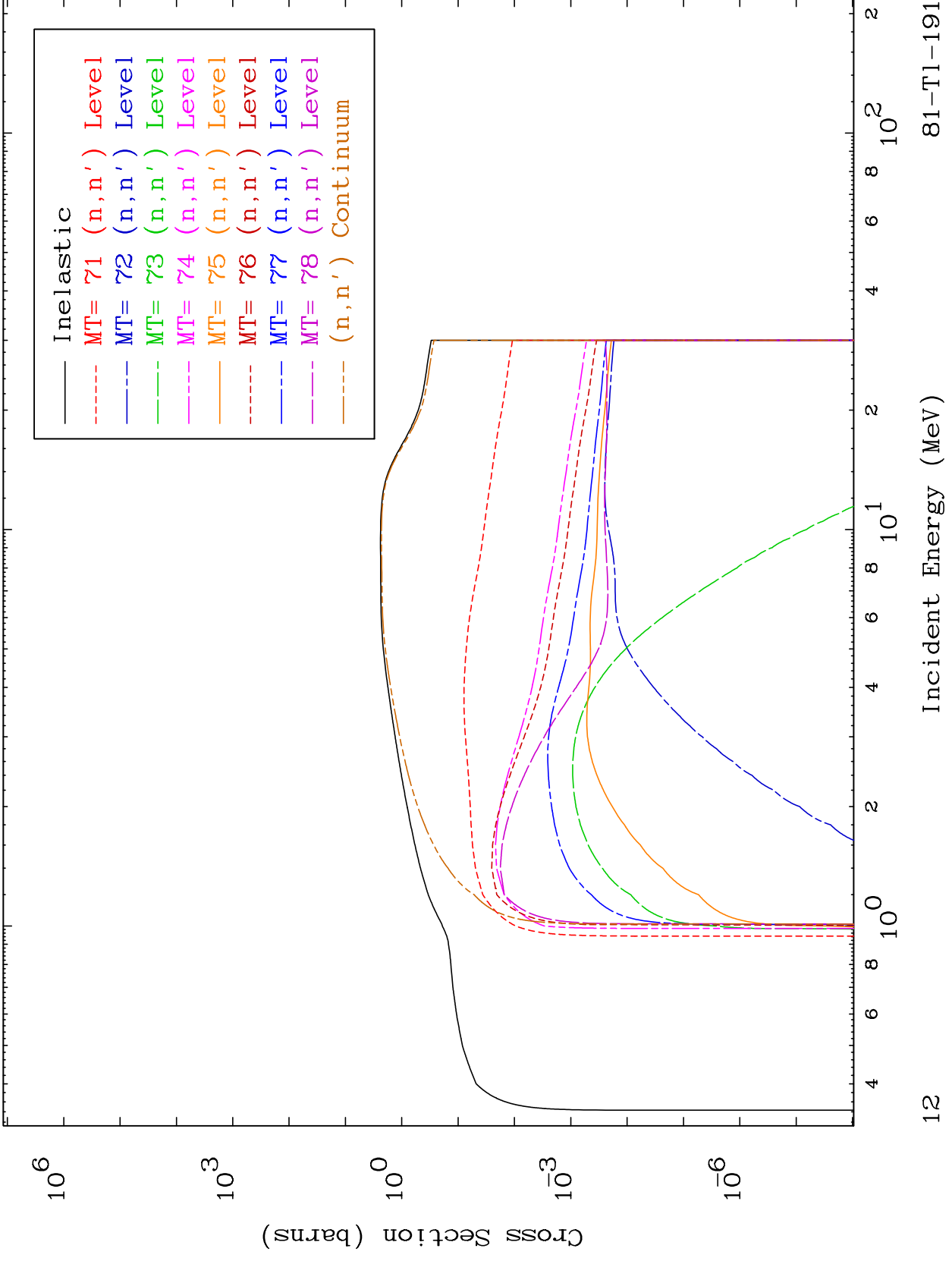
293 Kelvin Cross Sections



MAT 8089

(n,n') Levels
293 Kelvin Cross Sections

81-Tl-191



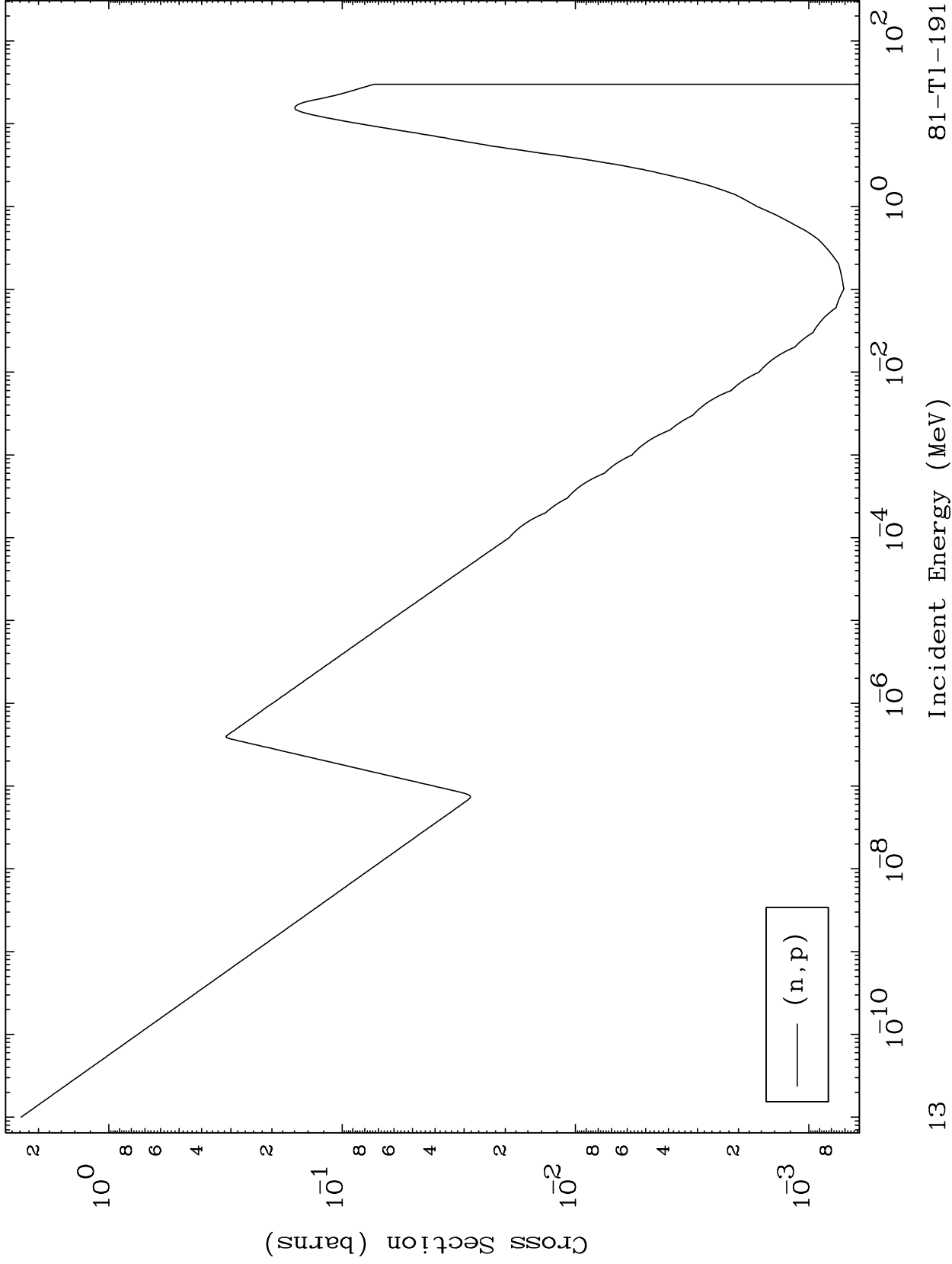
12

81-Tl-191

MAT 8089

(n,p) Levels
293 Kelvin Cross Sections

81-Tl-191



13

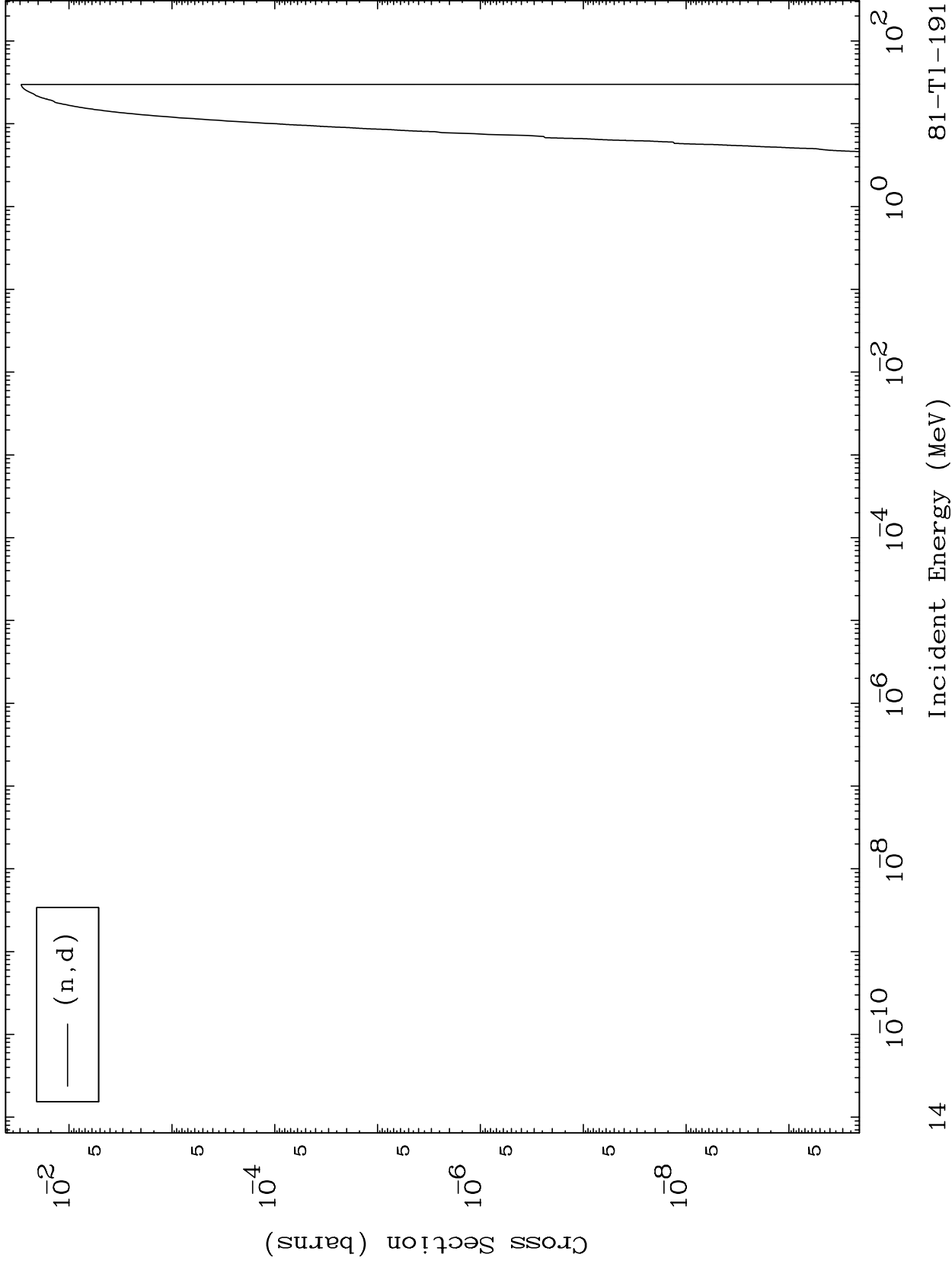
Incident Energy (MeV)

81-Tl-191

MAT 8089

(n,d) Levels
293 Kelvin Cross Sections

81-Tl-191



14

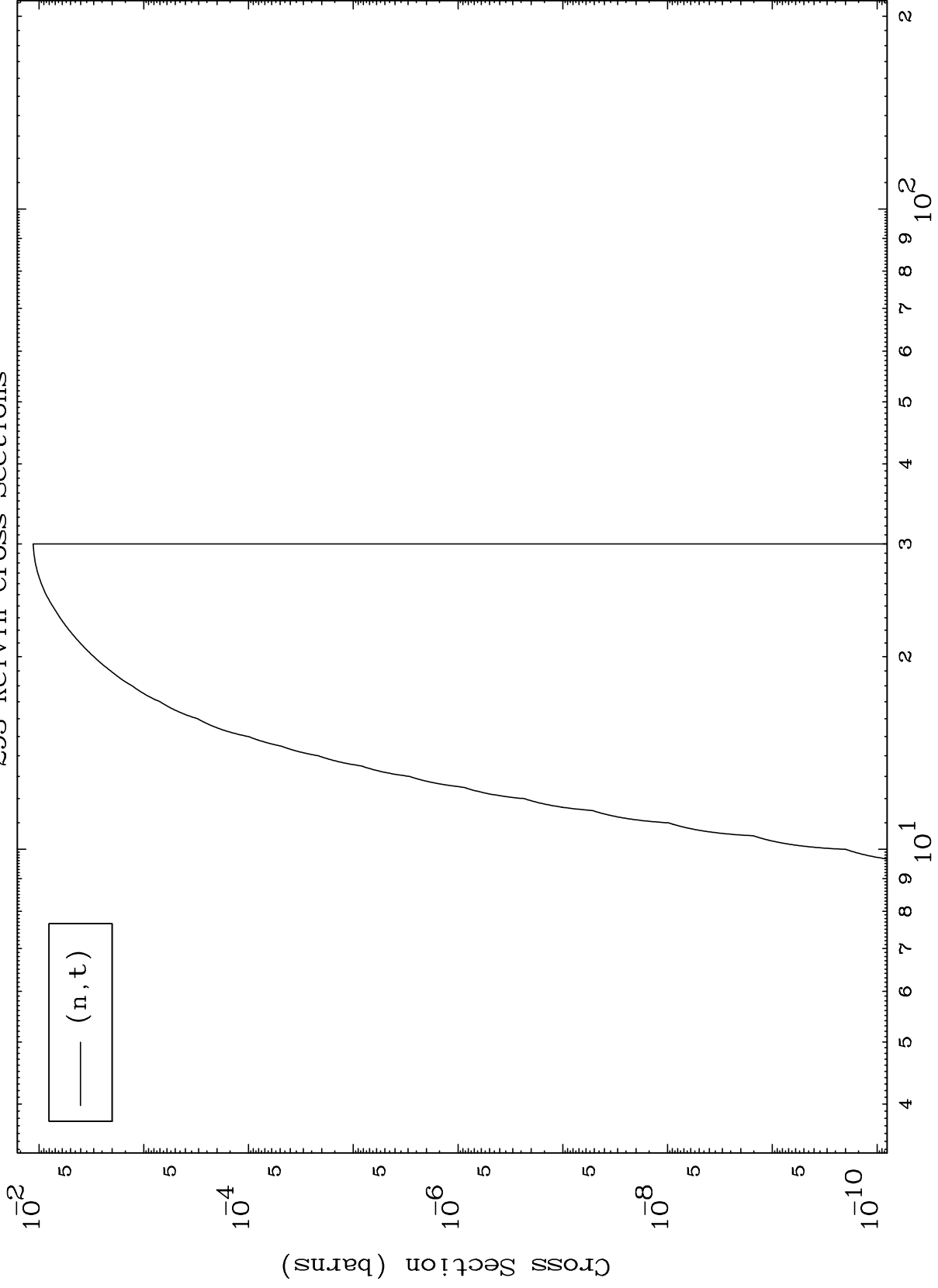
Incident Energy (MeV)

81-Tl-191

MAT 8089

(n,t) Levels
293 Kelvin Cross Sections

81-Tl-191



15

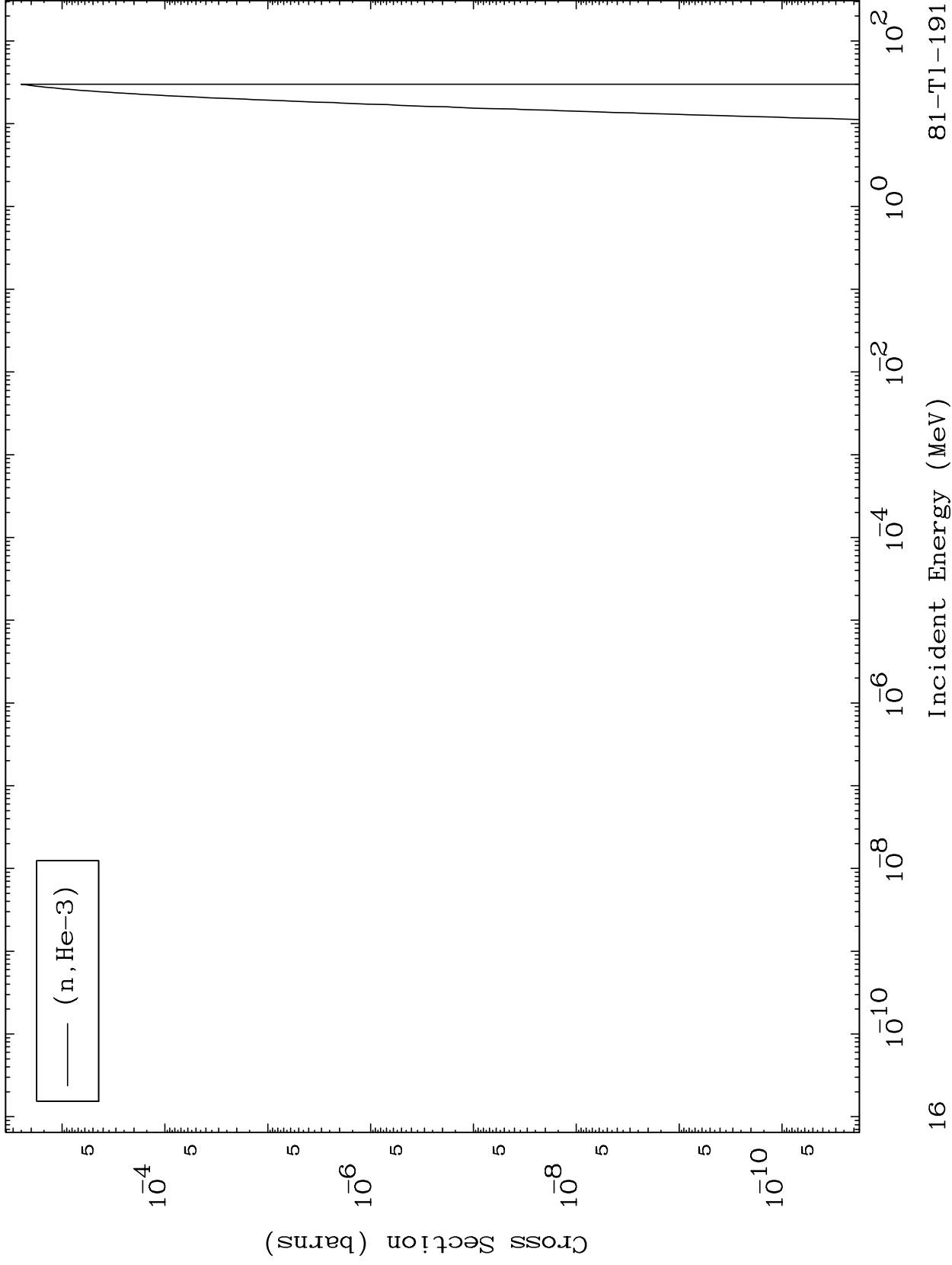
Incident Energy (MeV)

81-Tl-191

MAT 8089

(n,He3) Levels
293 Kelvin Cross Sections

81-Tl-191



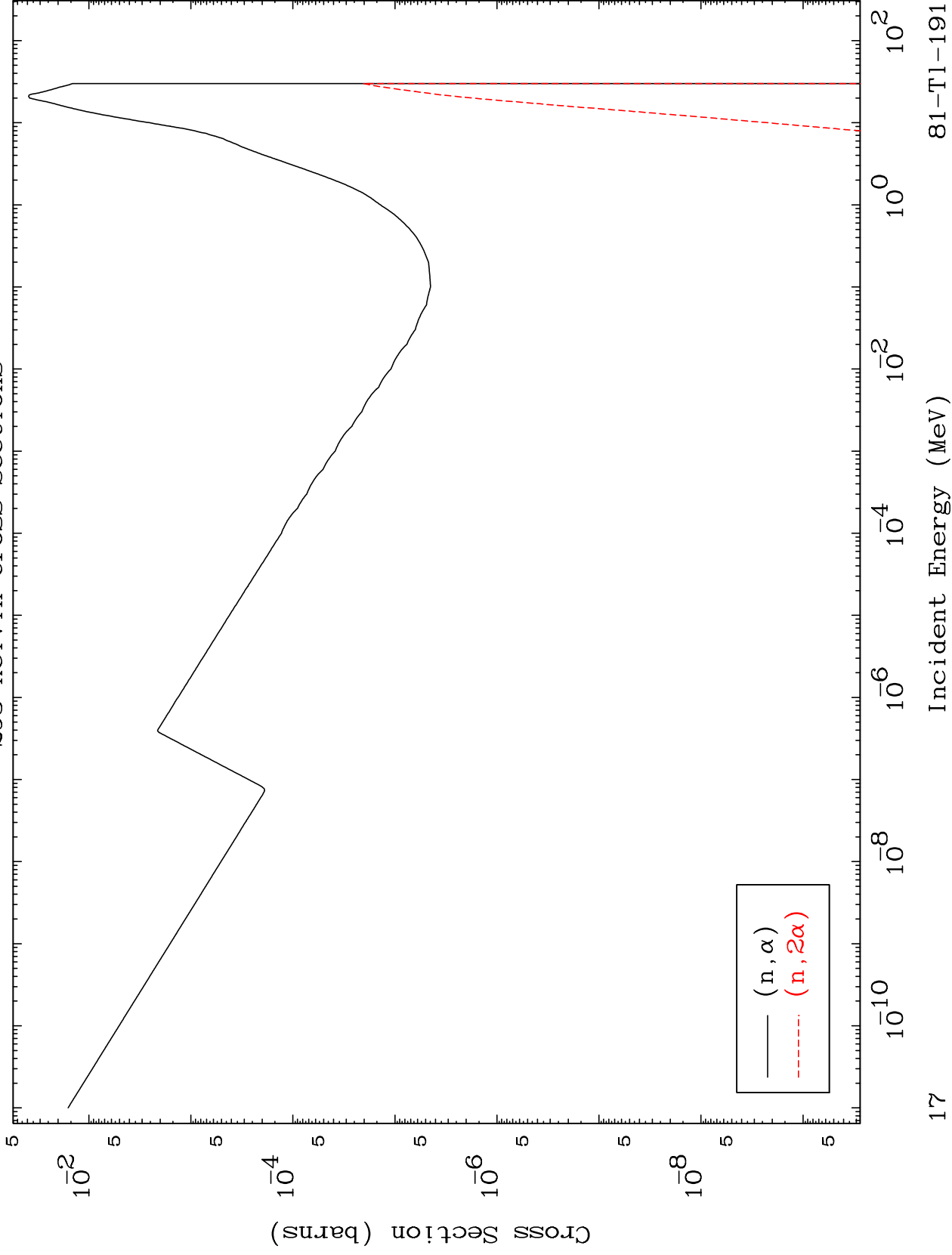
16

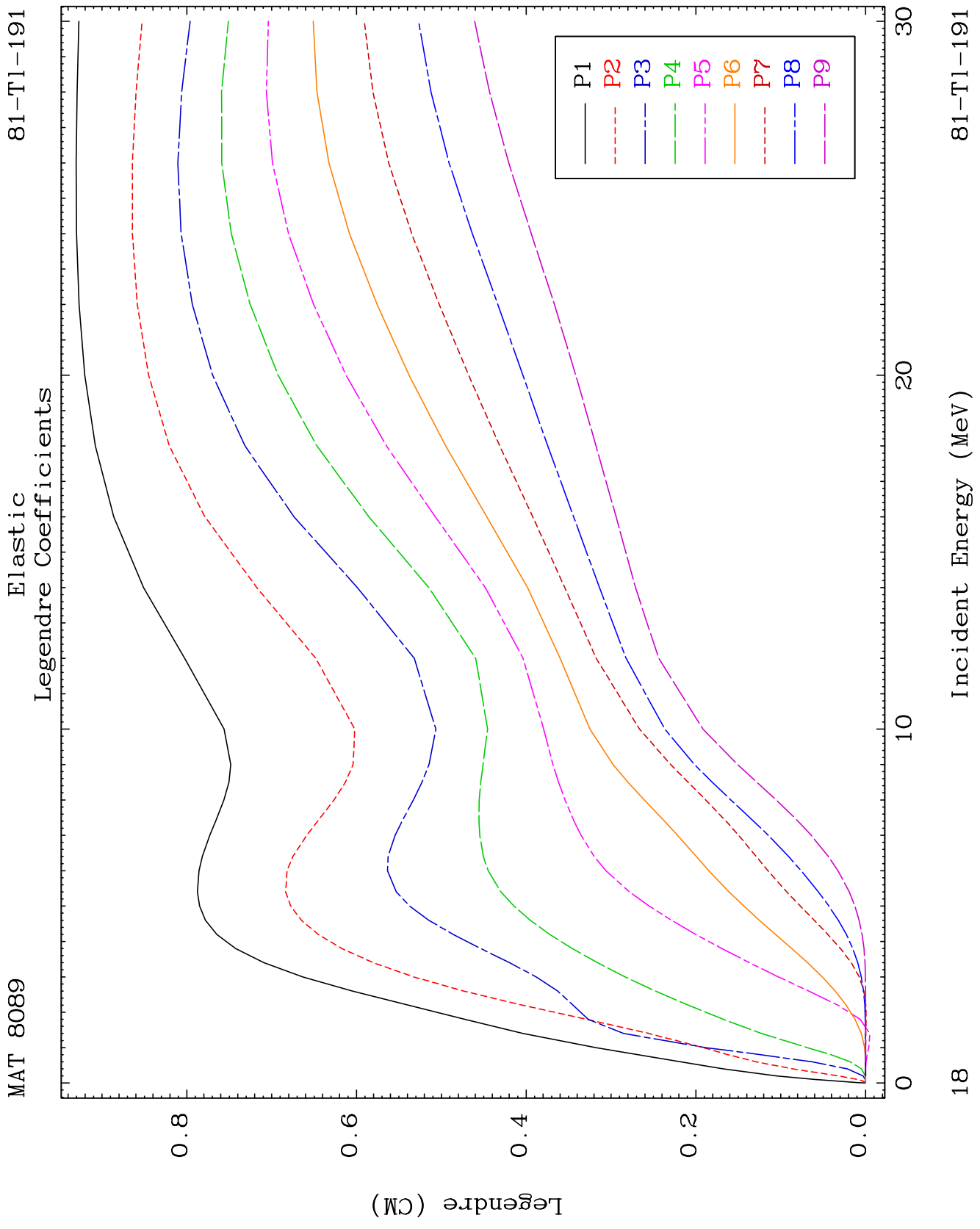
81-Tl-191

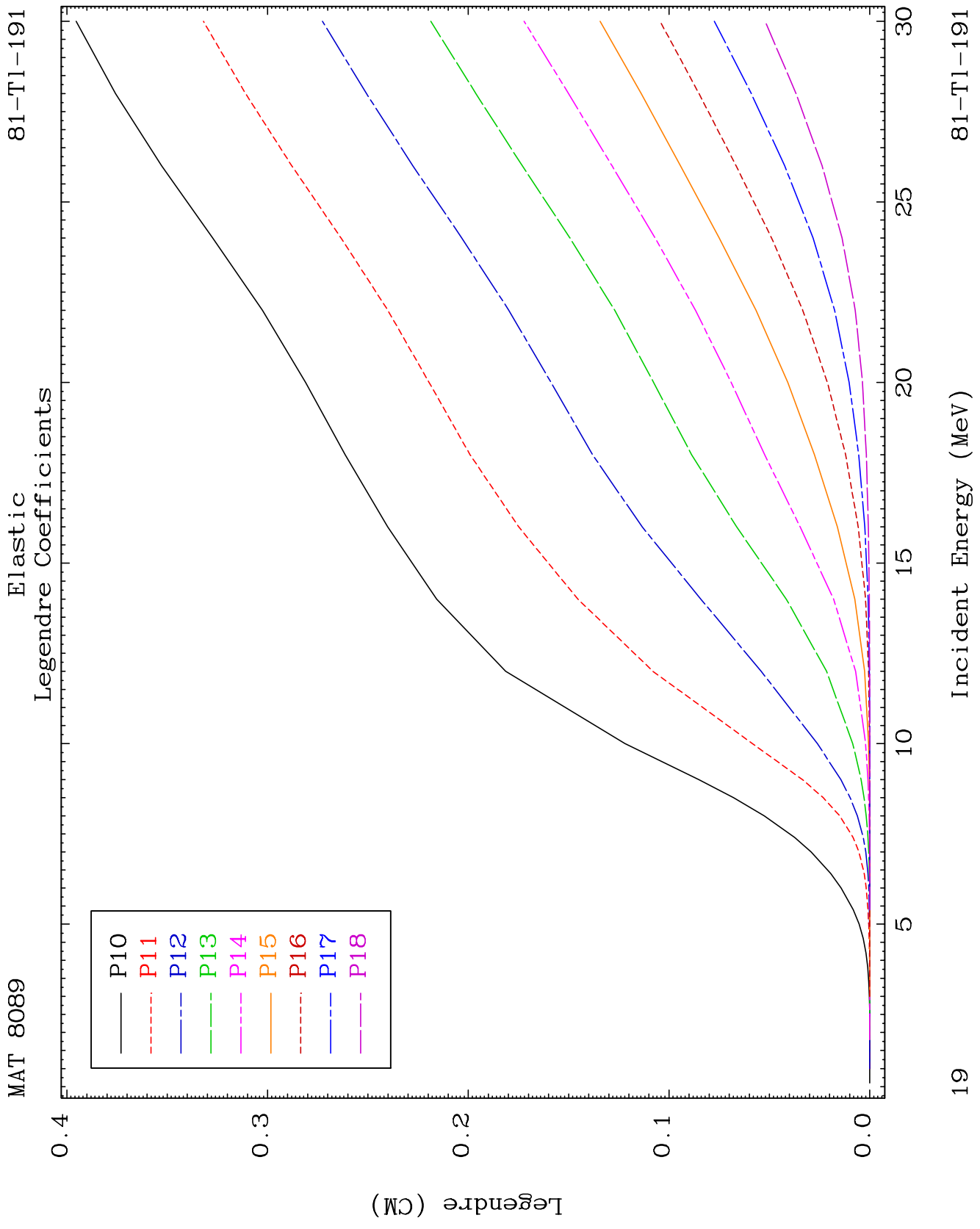
MAT 8089

(n, α) Levels
293 Kelvin Cross Sections

81-Tl-191







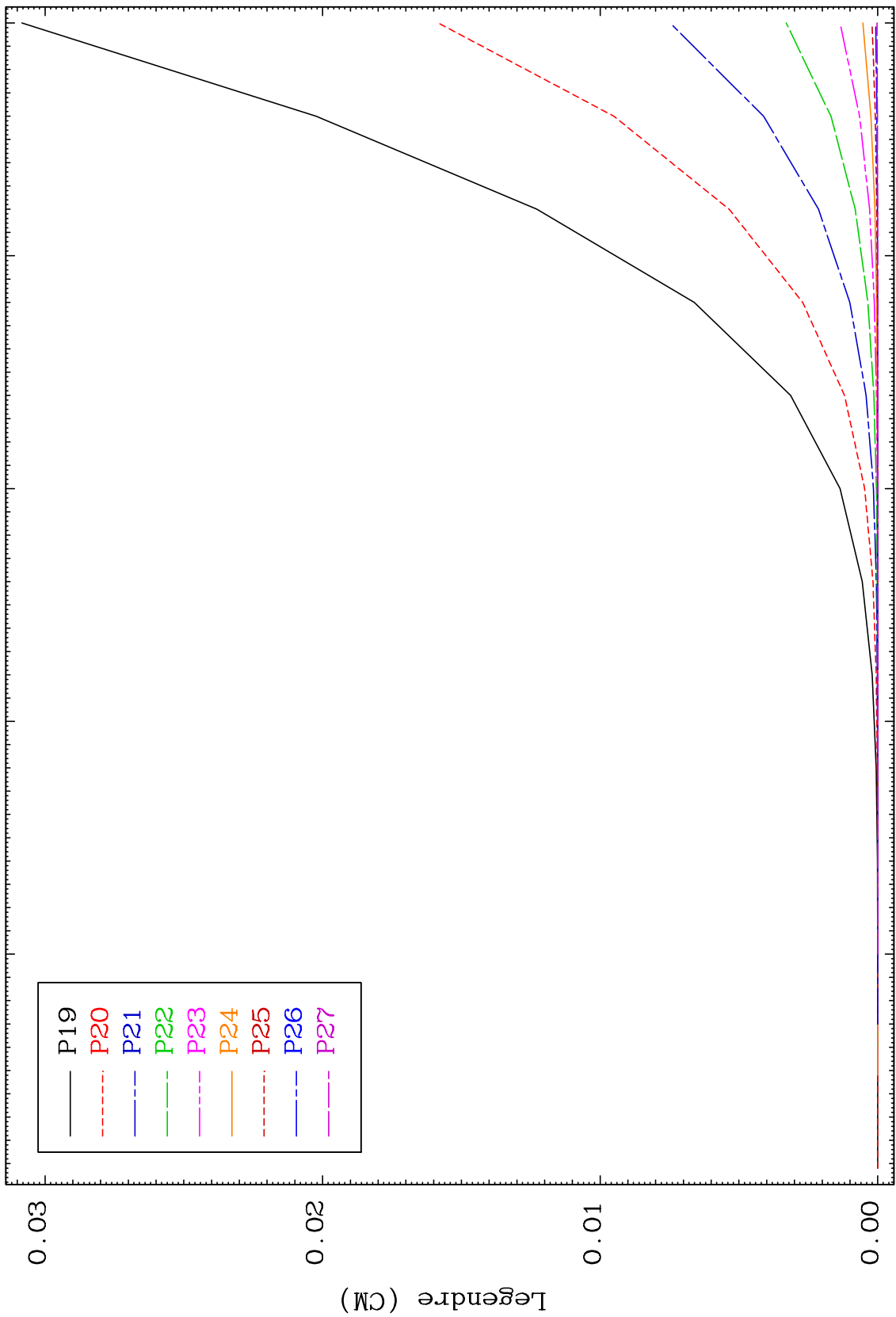
81-Tl-191

81-Tl-191

MAT 8089

Elastic Legendre Coefficients

81-Tl-191



20

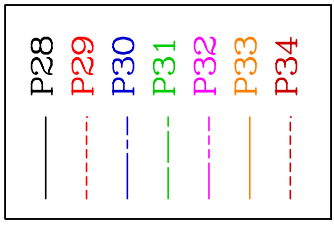
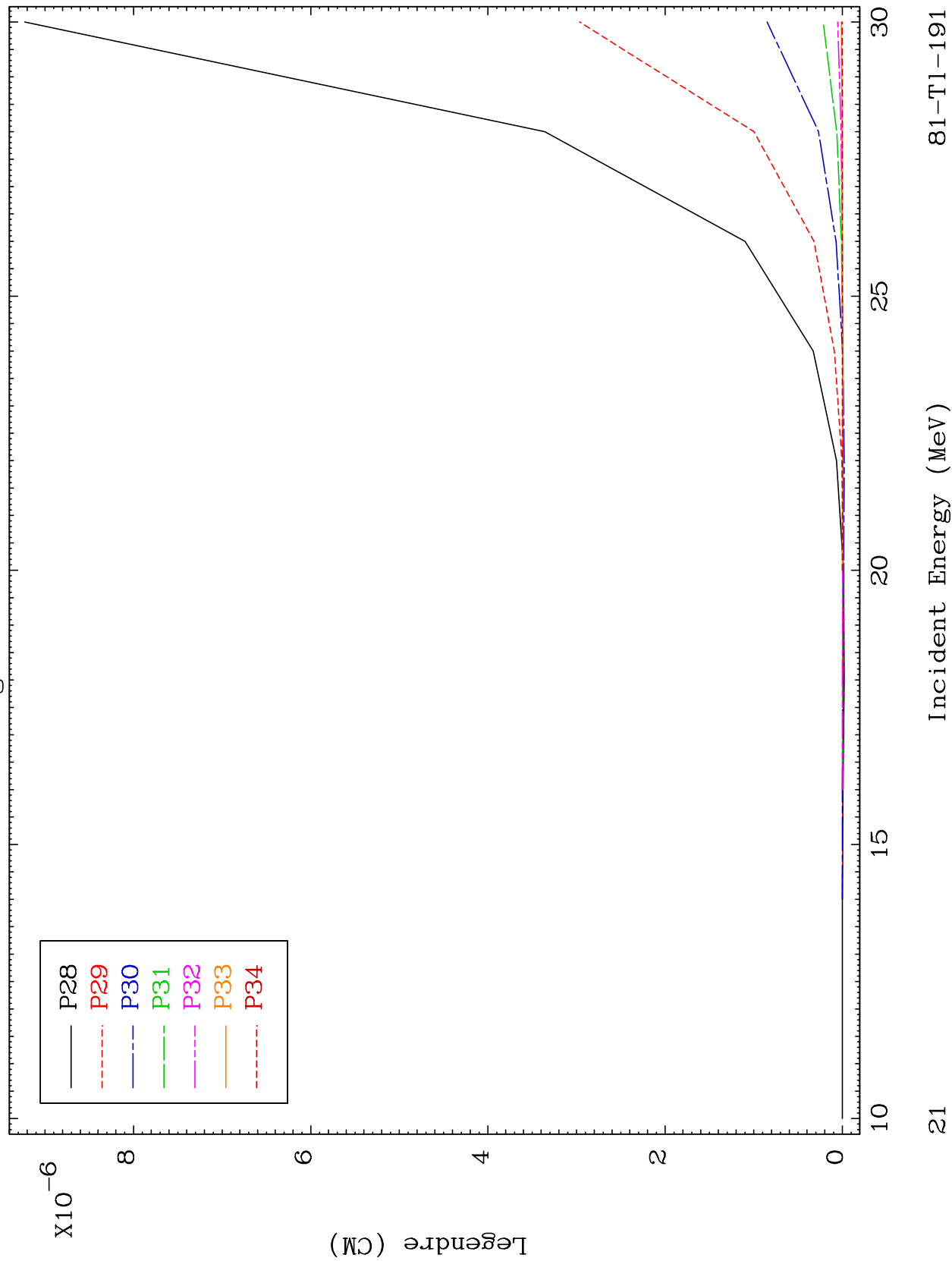
Incident Energy (MeV)

81-Tl-191

MAT 8089

Elastic Legendre Coefficients

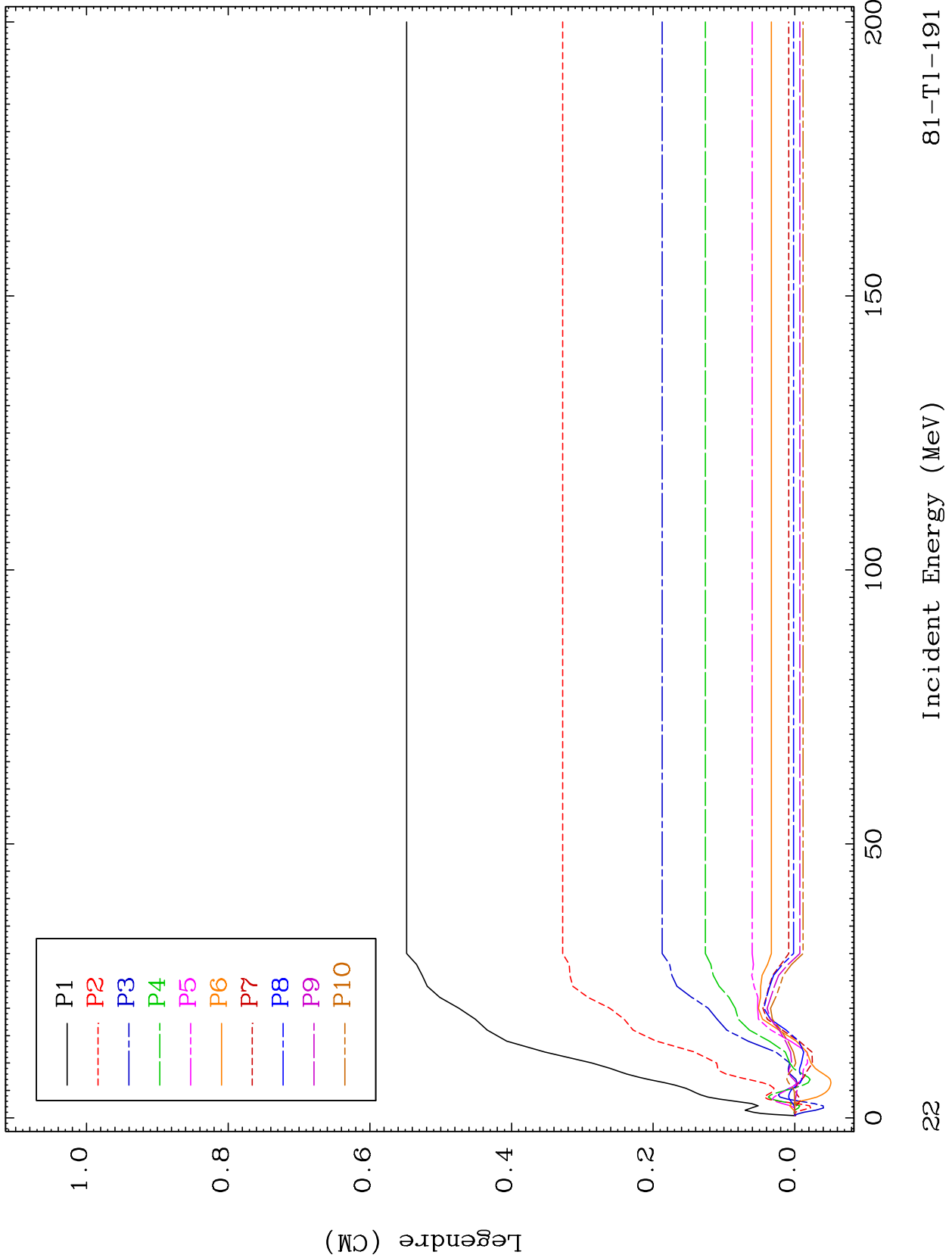
81-Tl-191

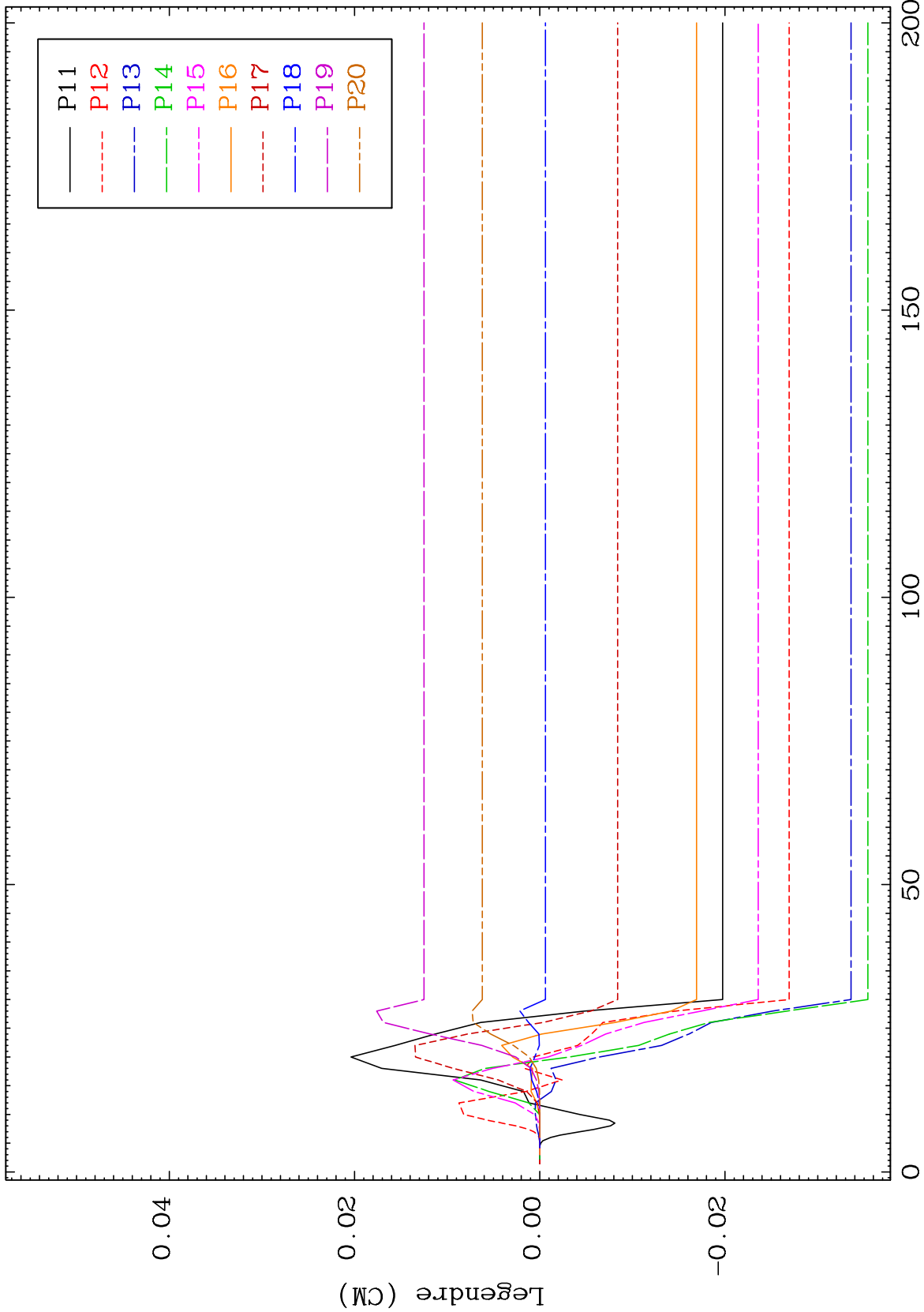


MAT 8089

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

81-Tl-191

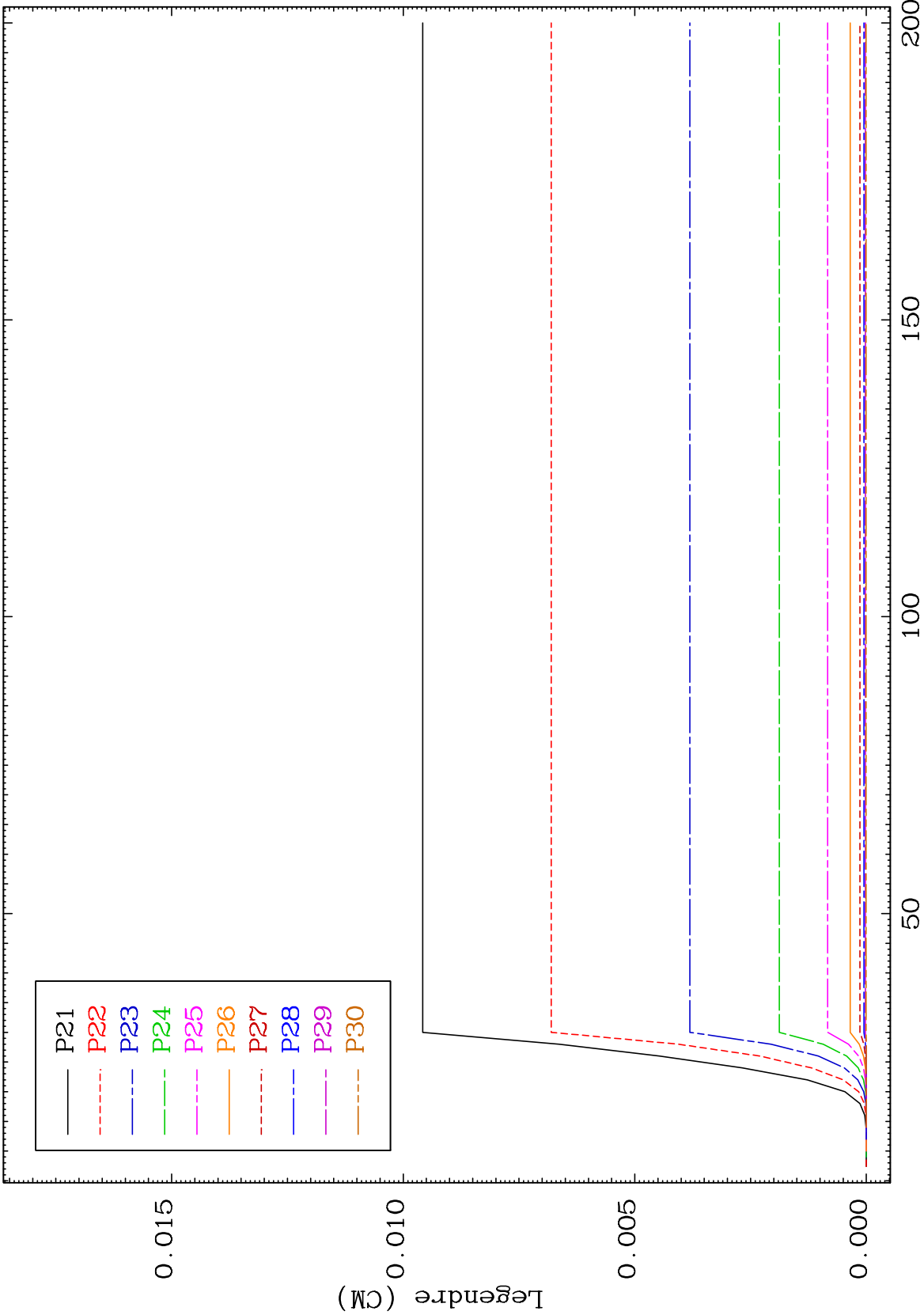




MAT 8089

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

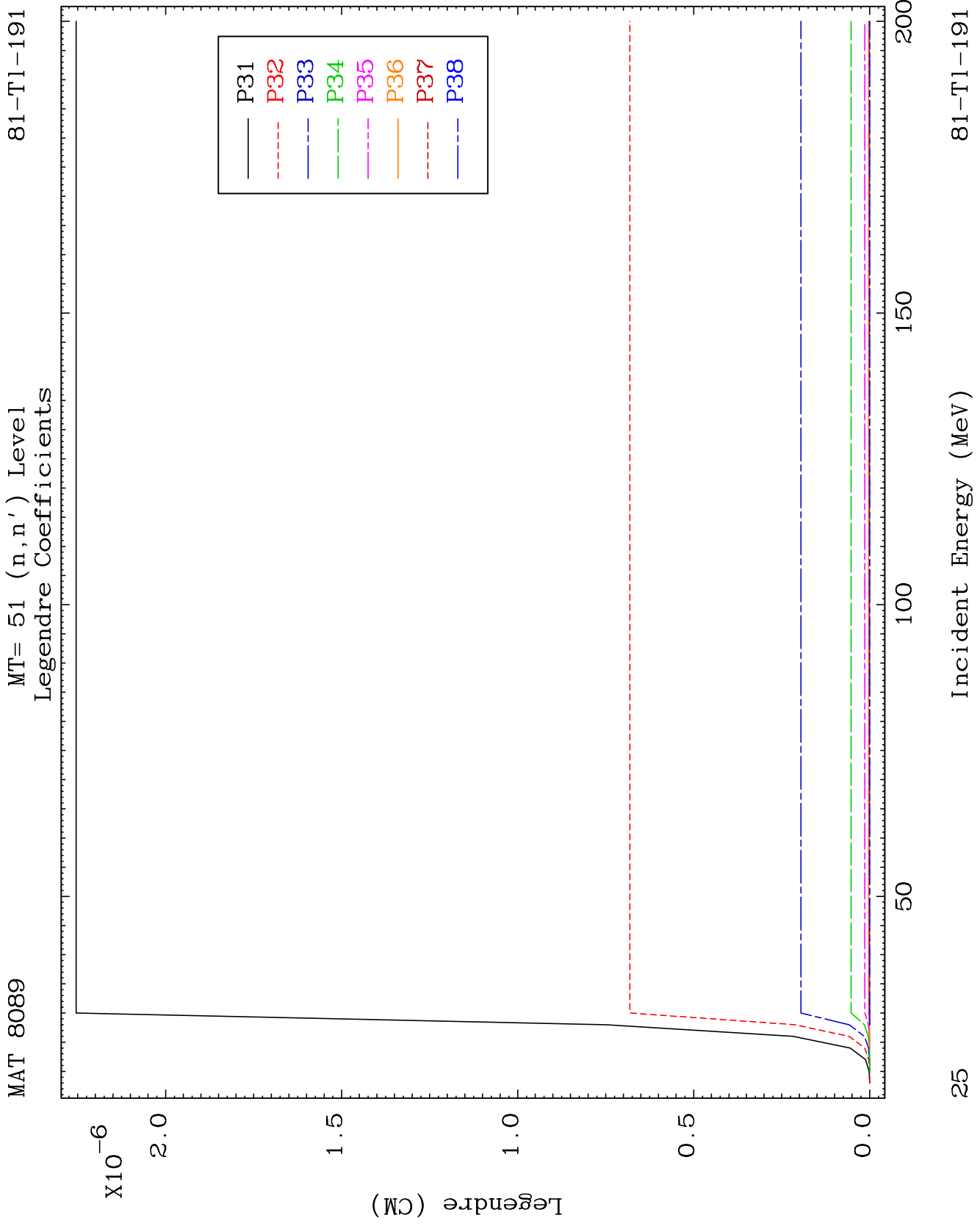
81-Tl-191



24

Incident Energy (MeV)

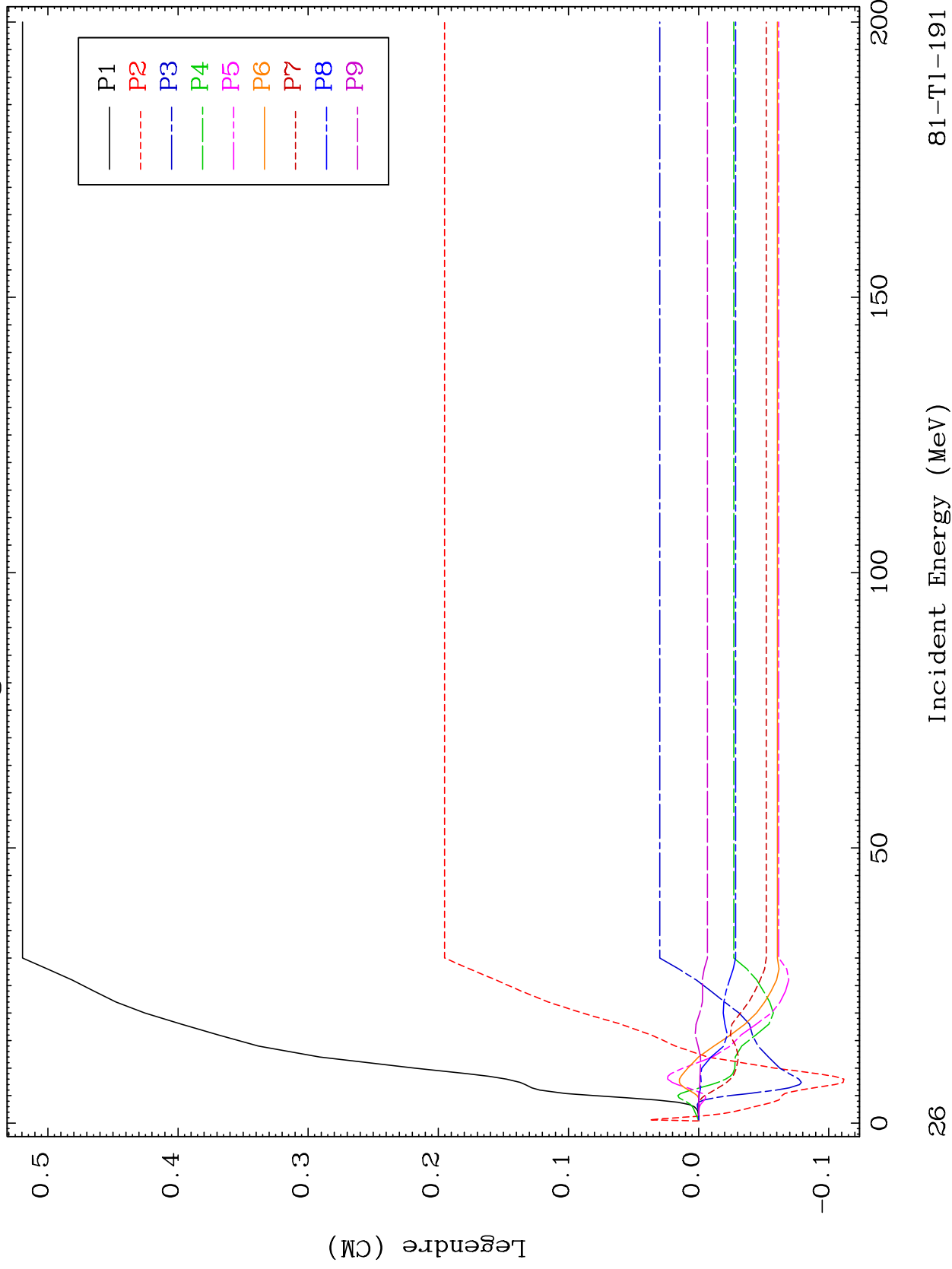
81-Tl-191



MAT 8089

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

81-Tl-191



81-Tl-191

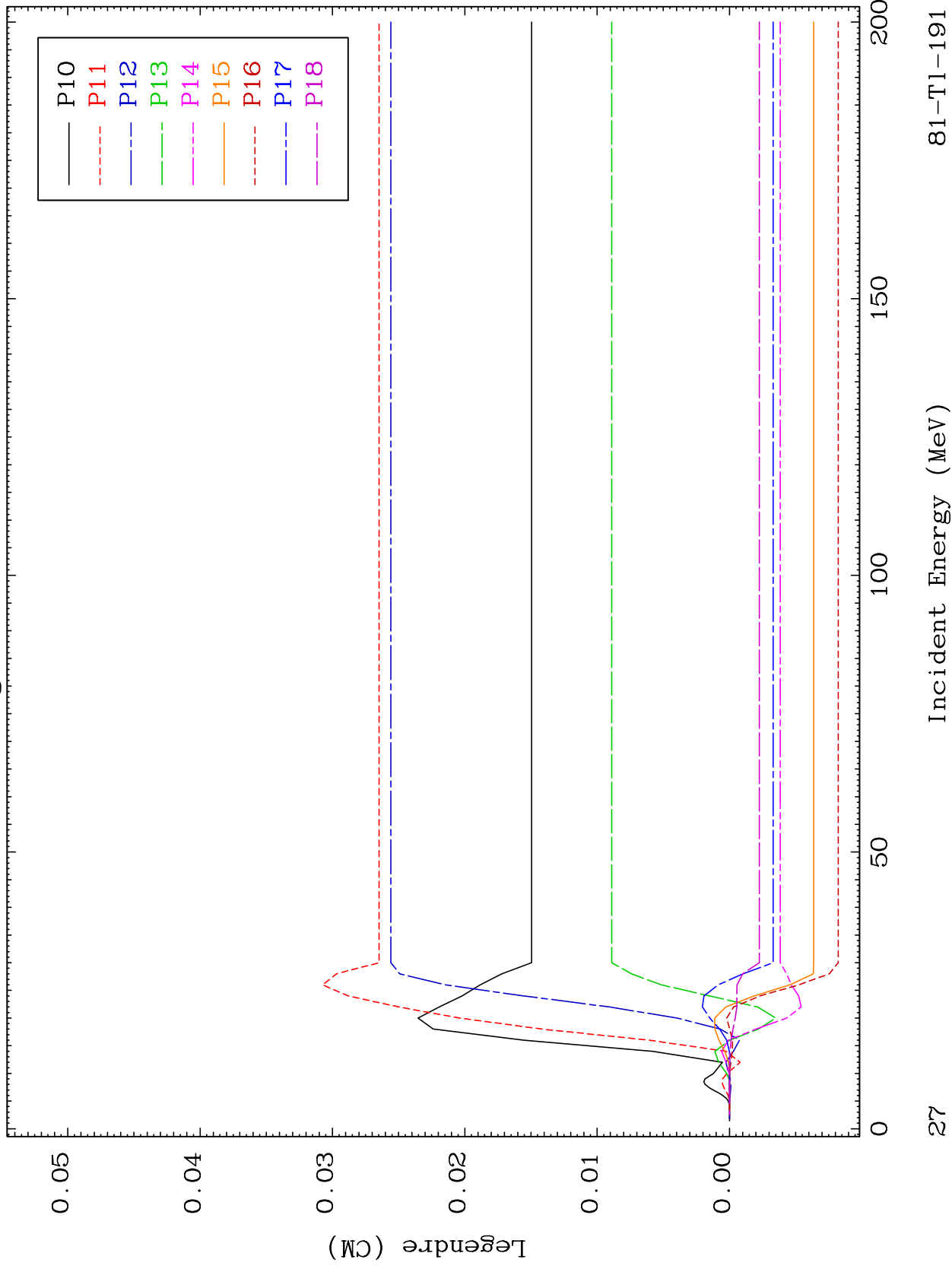
Incident Energy (MeV)

26

MAT 8089

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

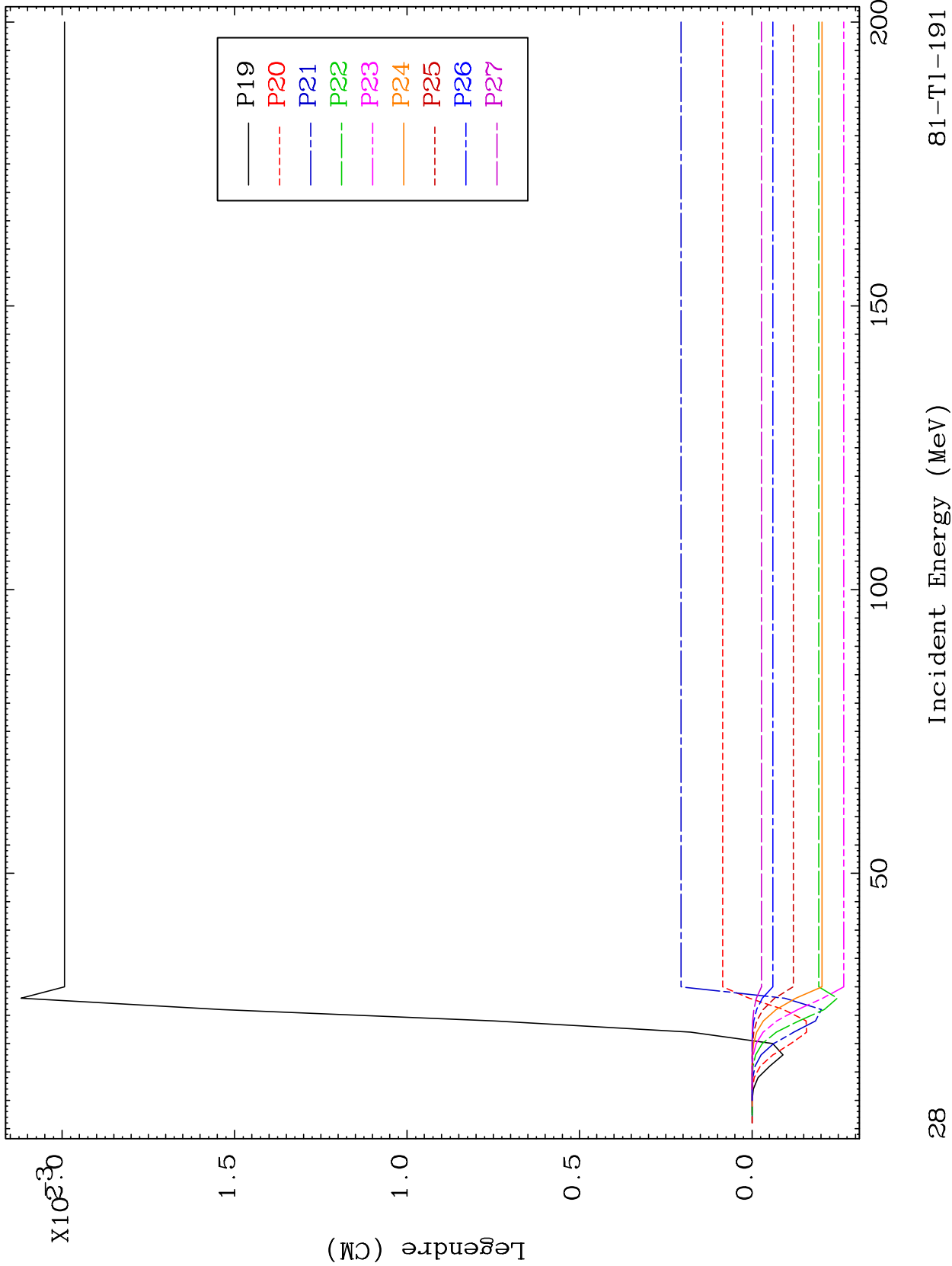
81-Tl-191

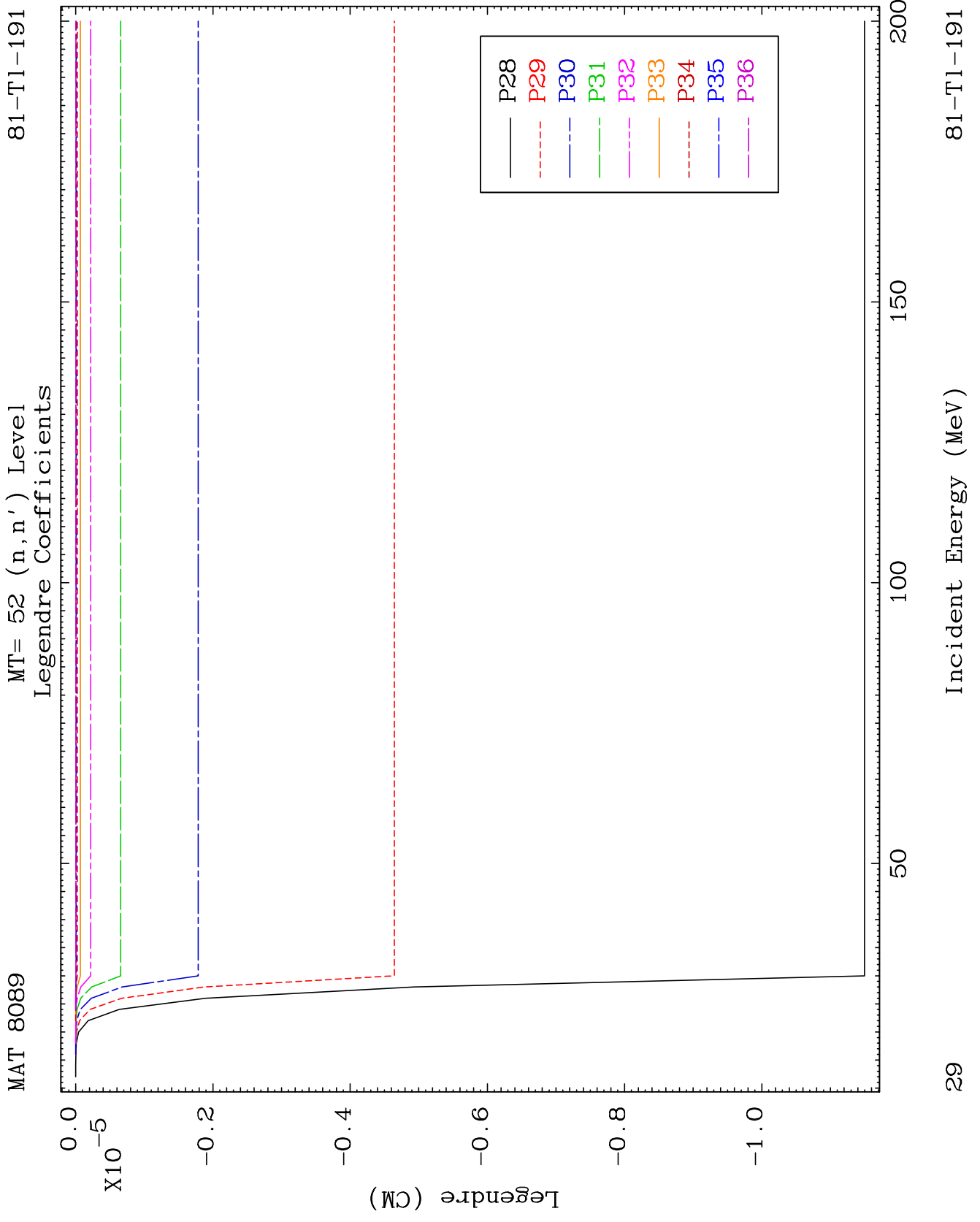


27

Incident Energy (MeV)

81-Tl-191

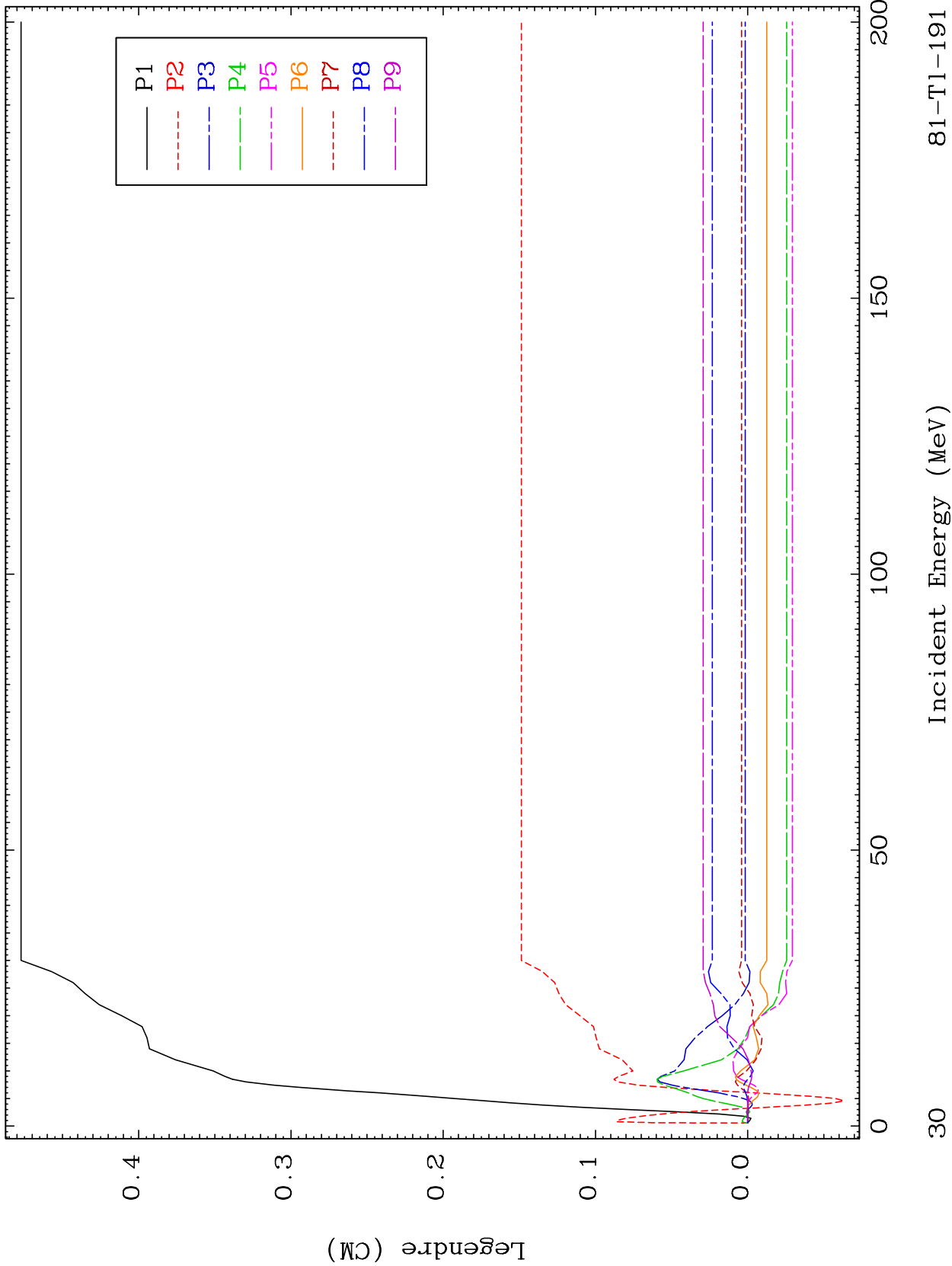




MAT 8089

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

81-Tl-191

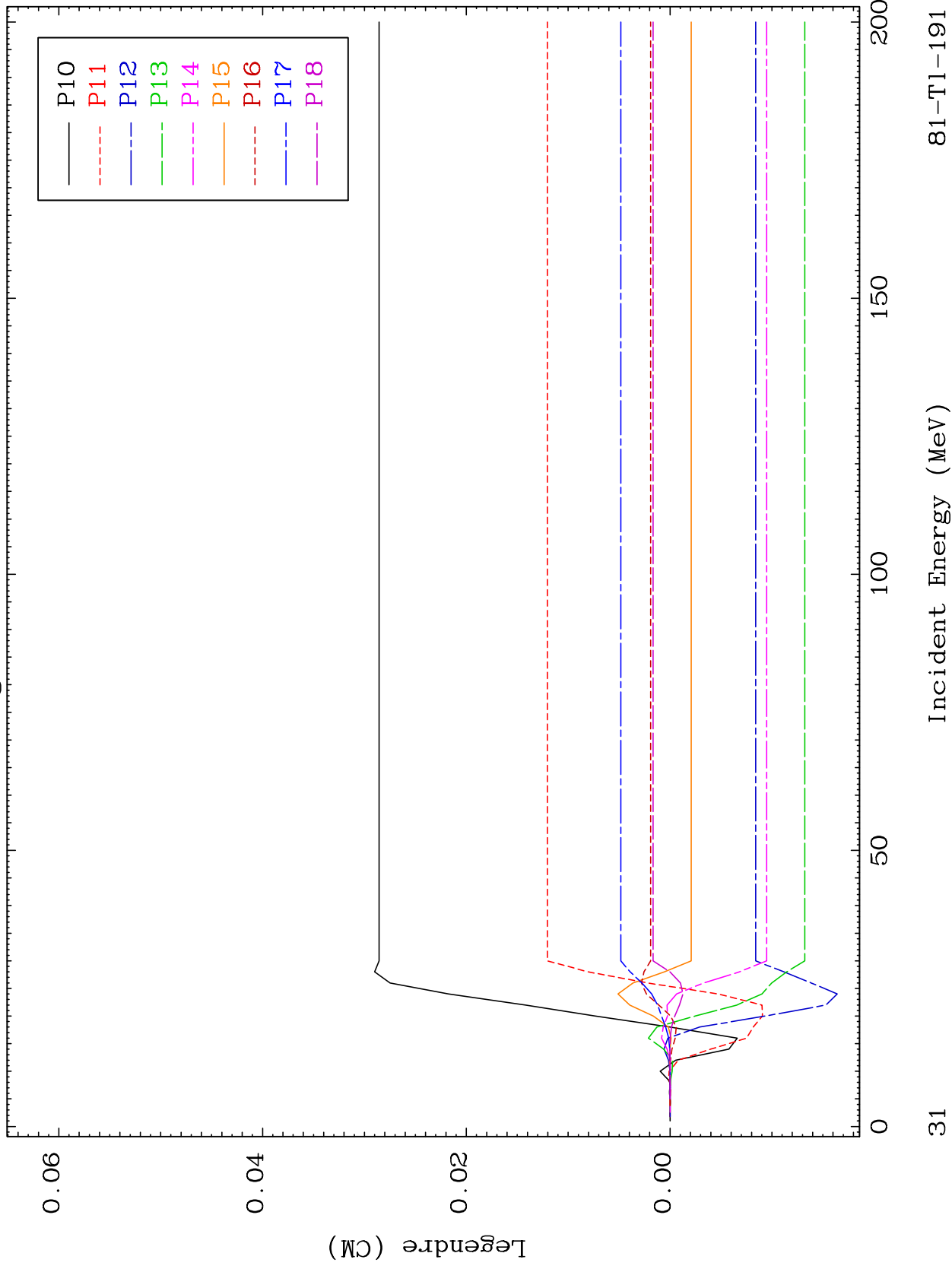


81-Tl-191

MAT 8089

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

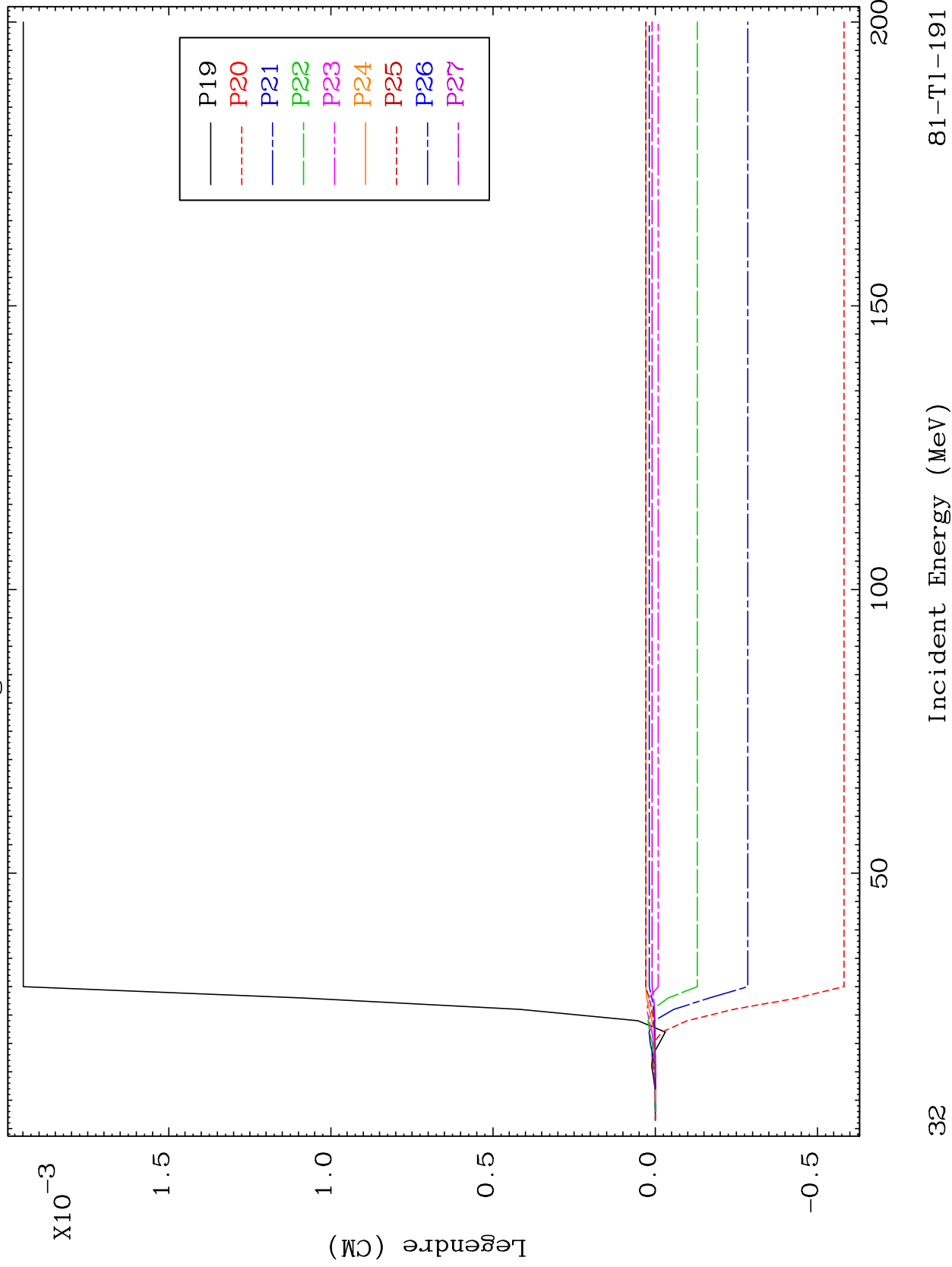
81-Tl-191



81-Tl-191

Incident Energy (MeV)

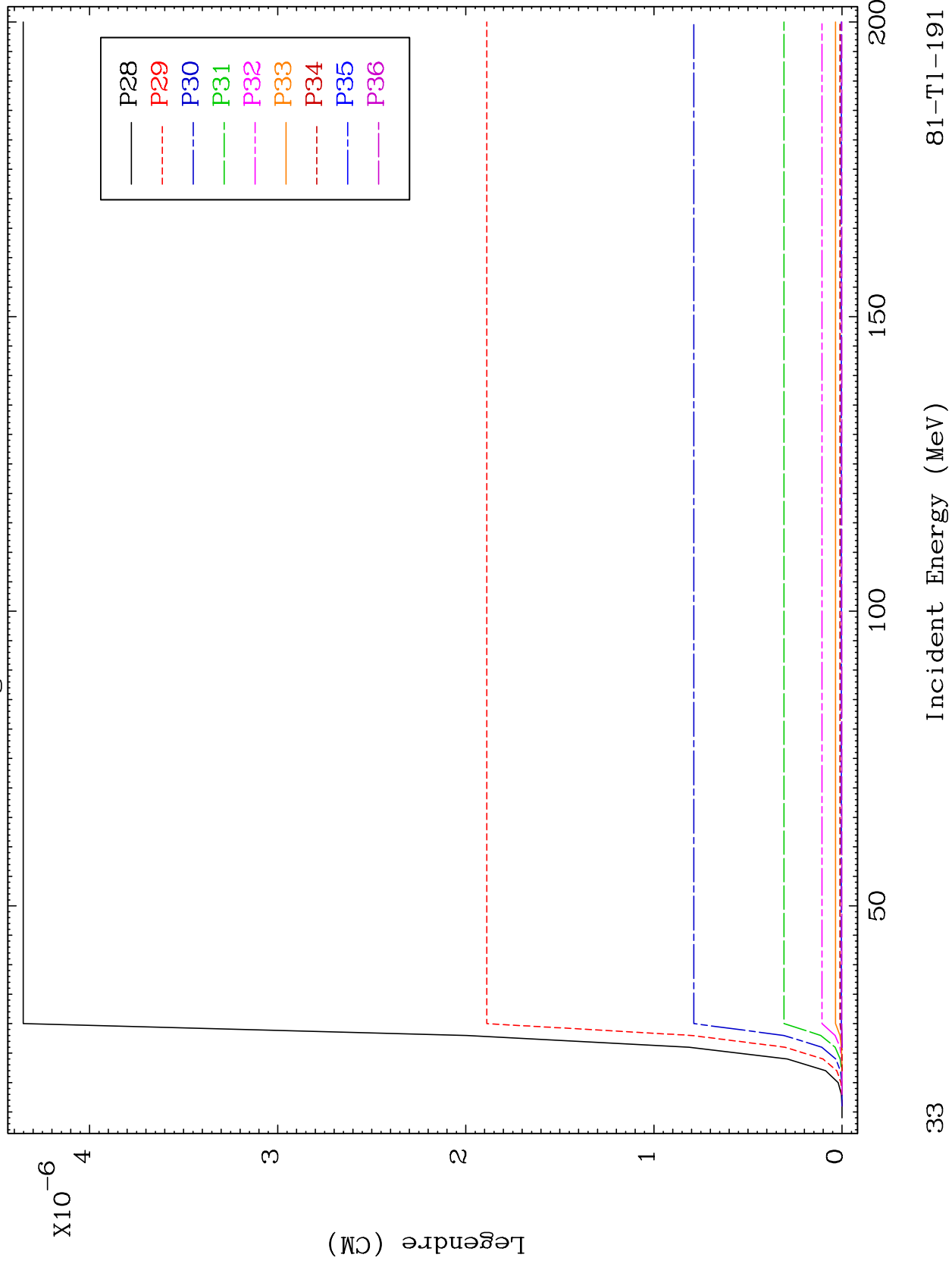
31



MAT 8089

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

81-Tl-191

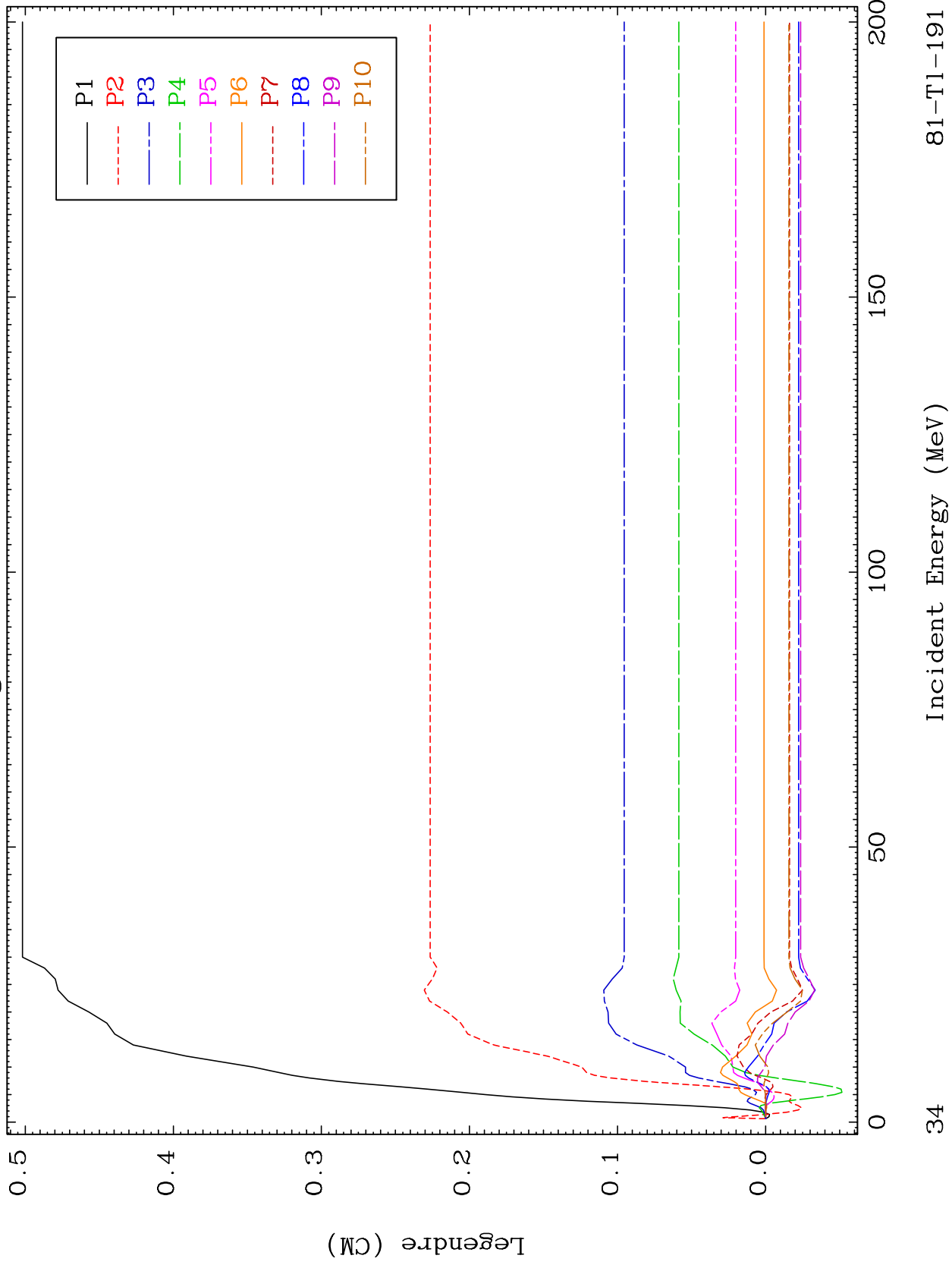


33

MAT 8089

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

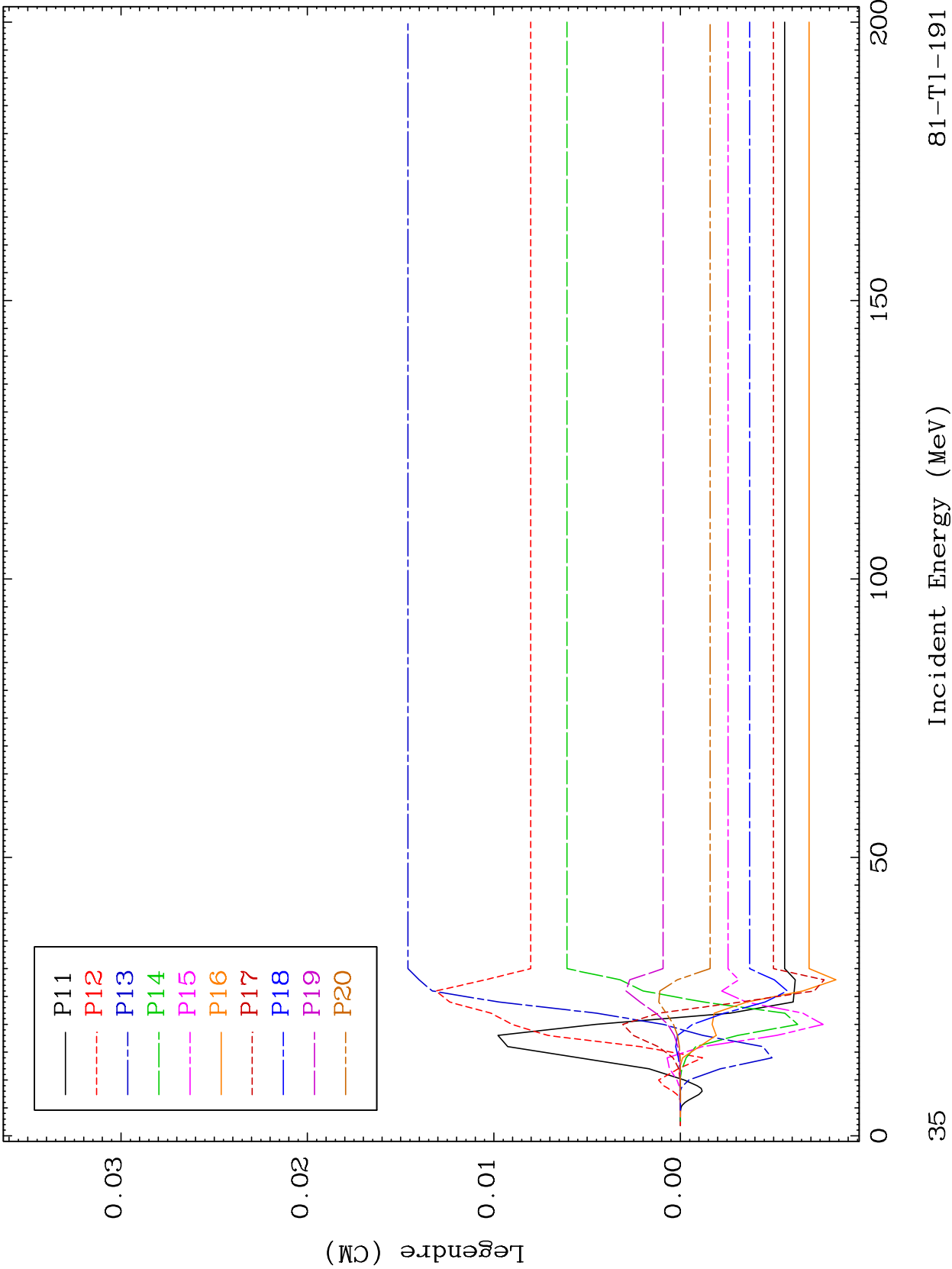
81-Tl-191



MAT 8089

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

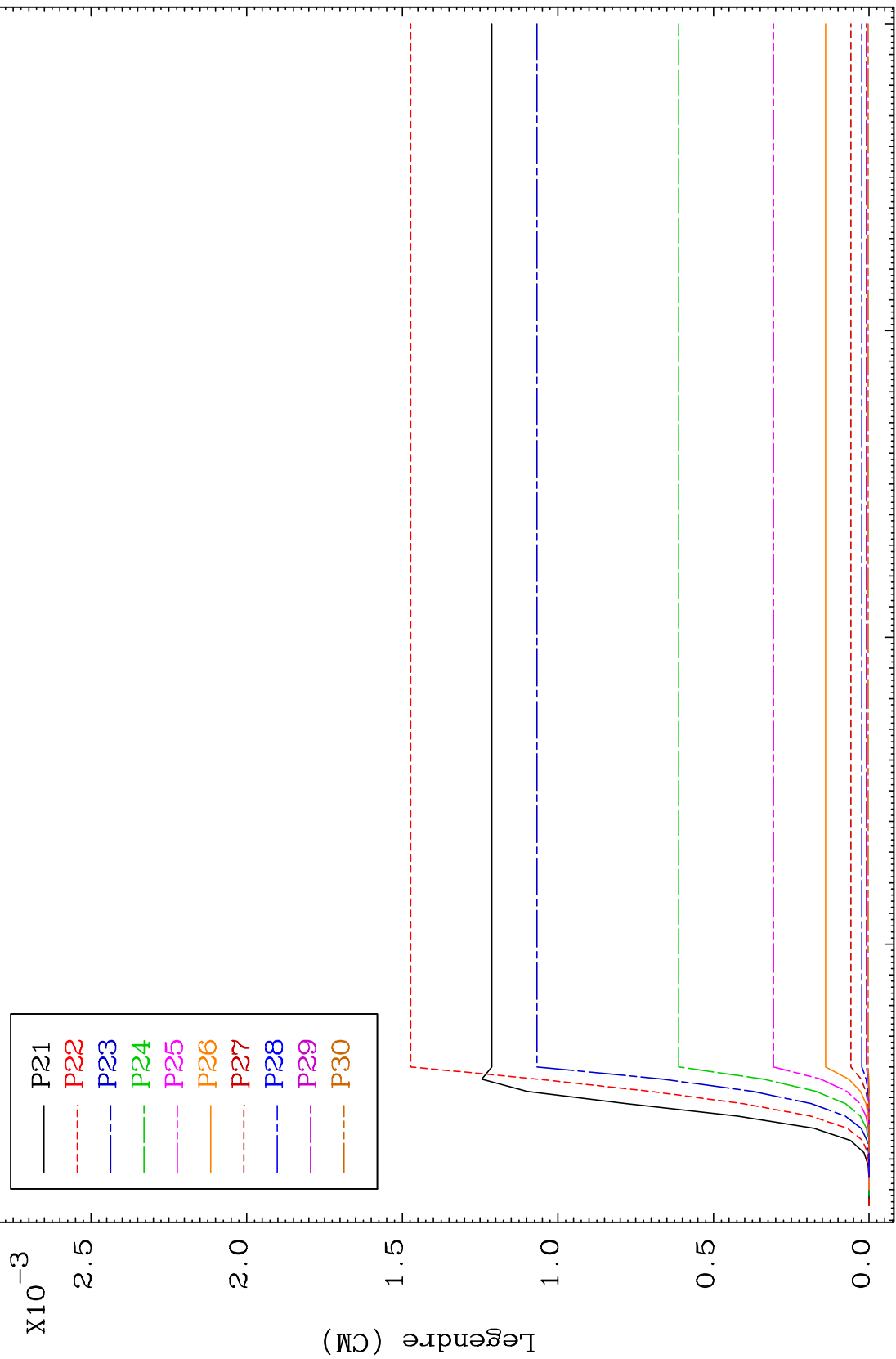
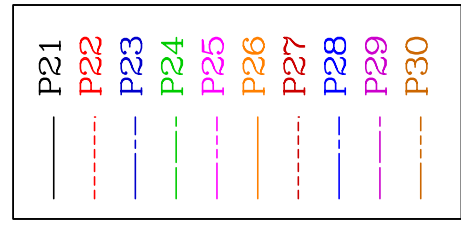
81-Tl-191



35

Incident Energy (MeV)

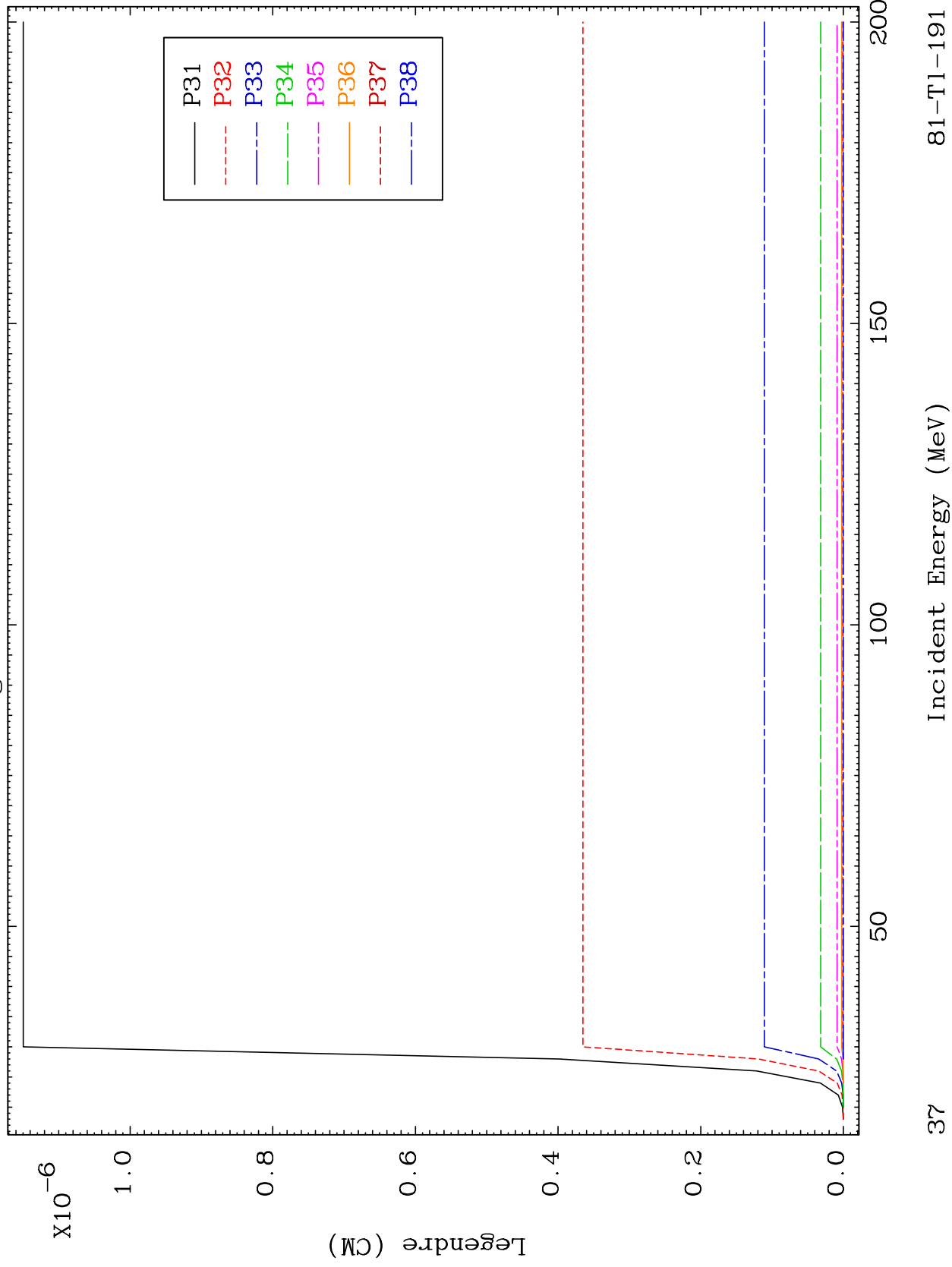
81-Tl-191



MAT 8089

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

81-Tl-191



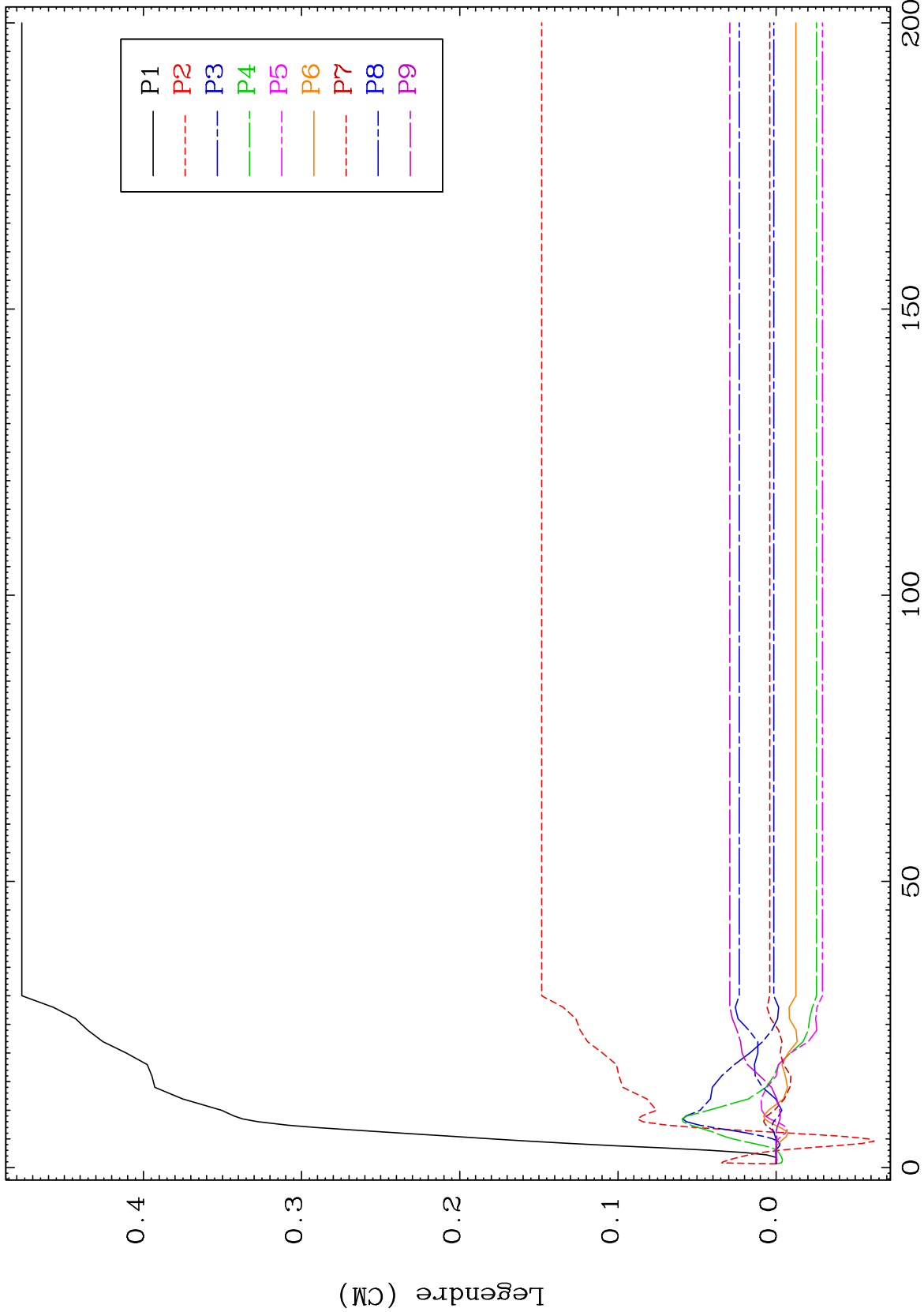
37

81-Tl-191

MAT 8089

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

81-Tl-191



38

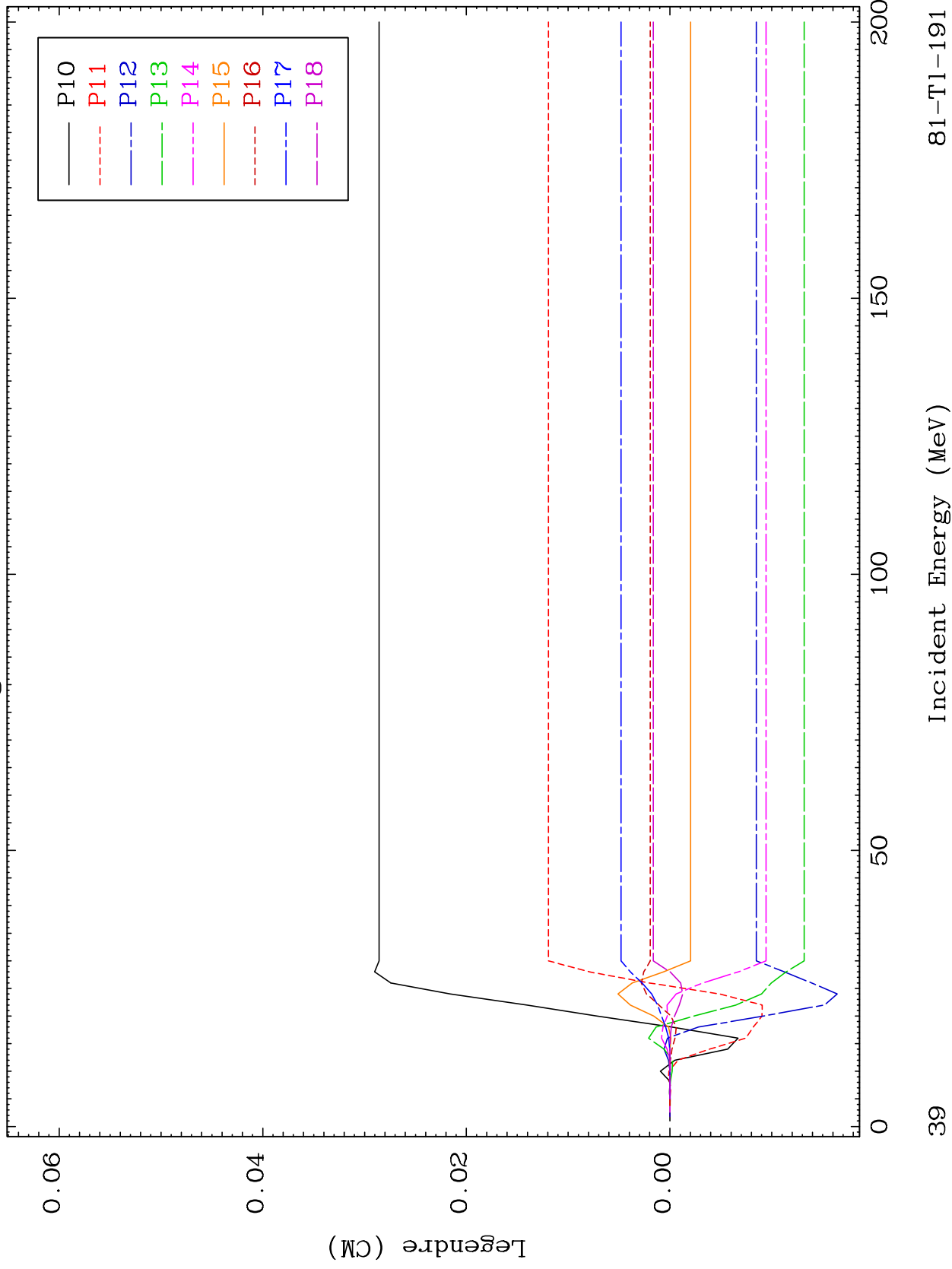
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



81-Tl-191

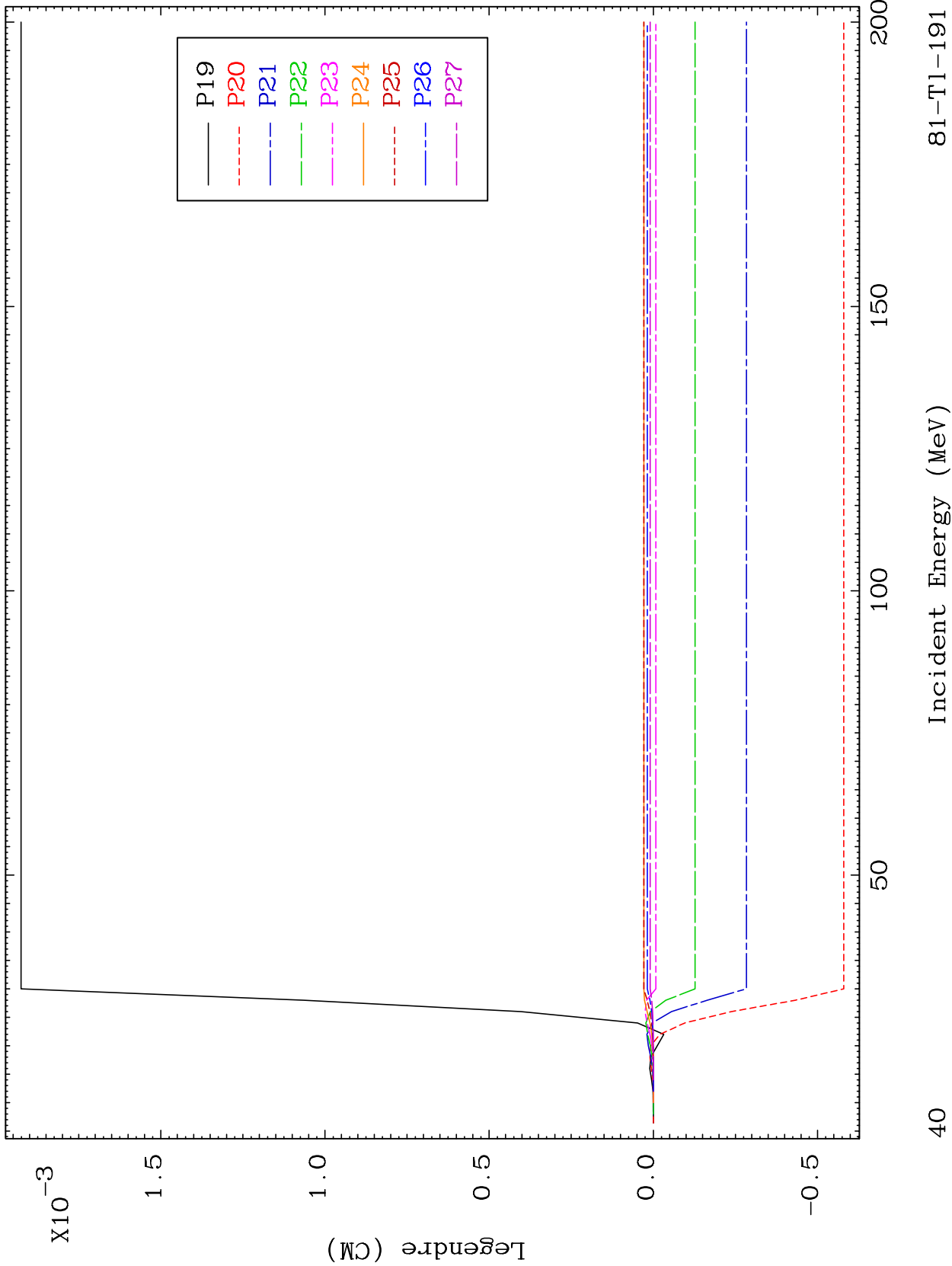
Incident Energy (MeV)

39

MAT 8089

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

81-Tl-191



40

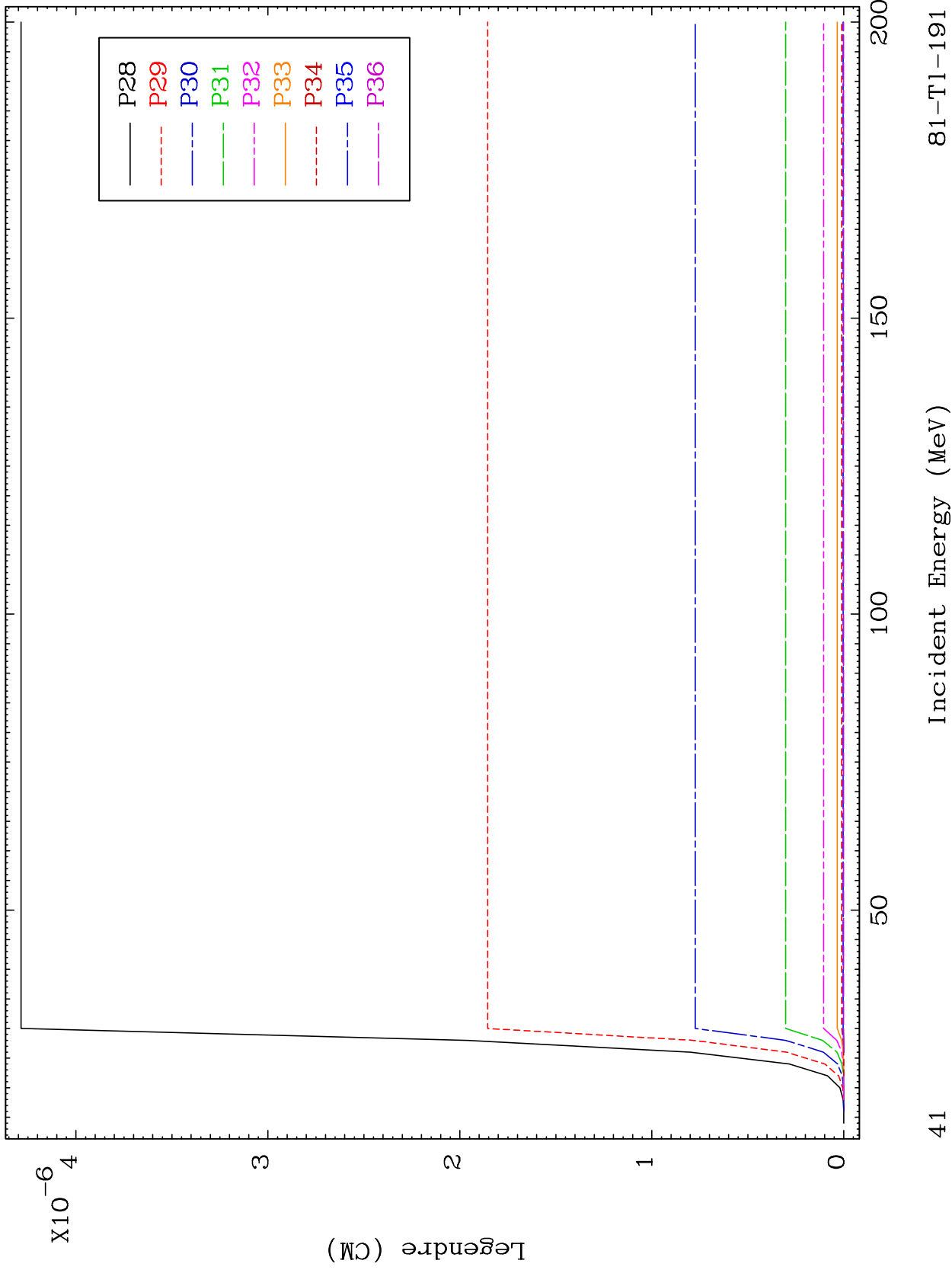
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191

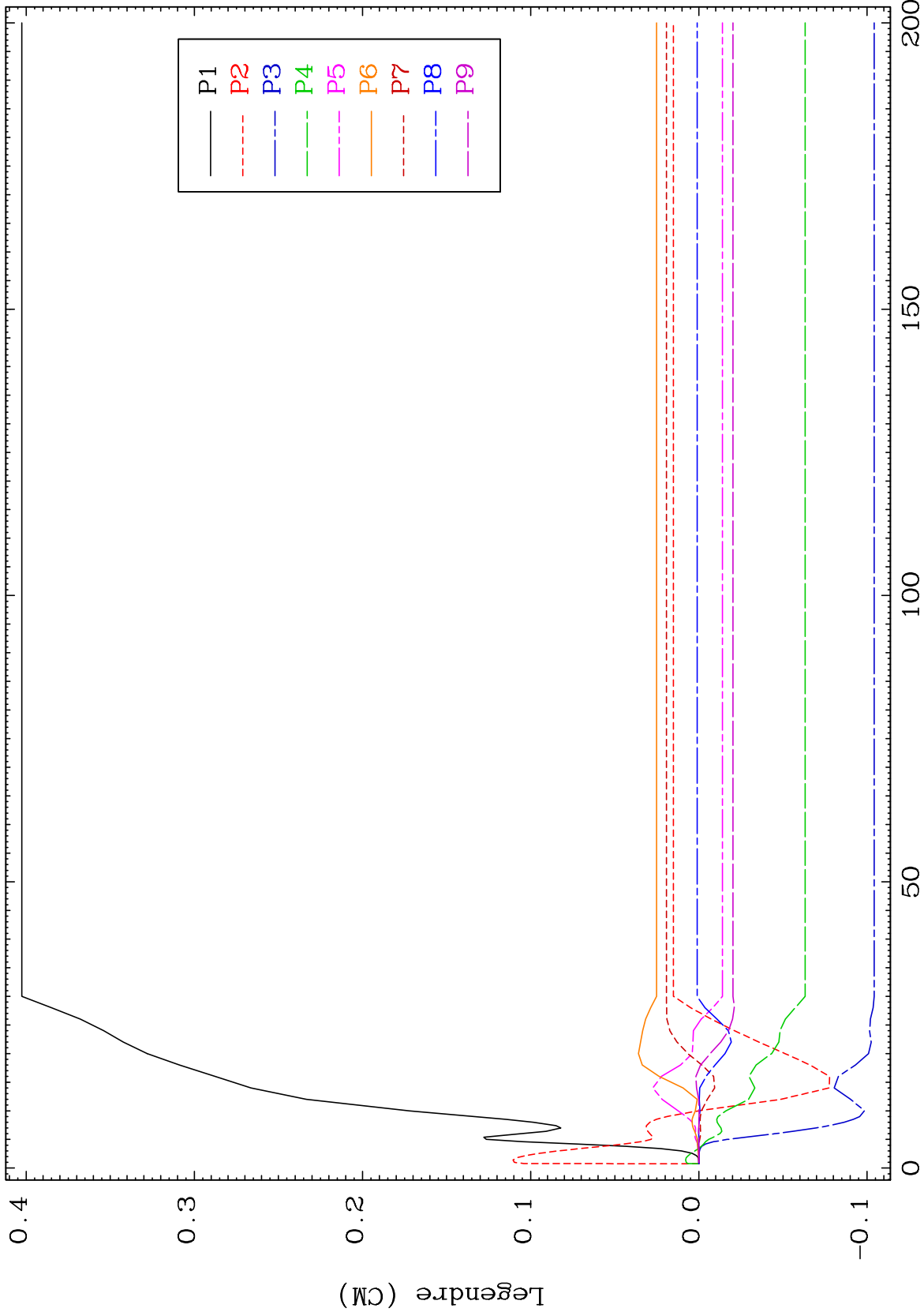


41

MAT 8089

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

81-T1-191



42

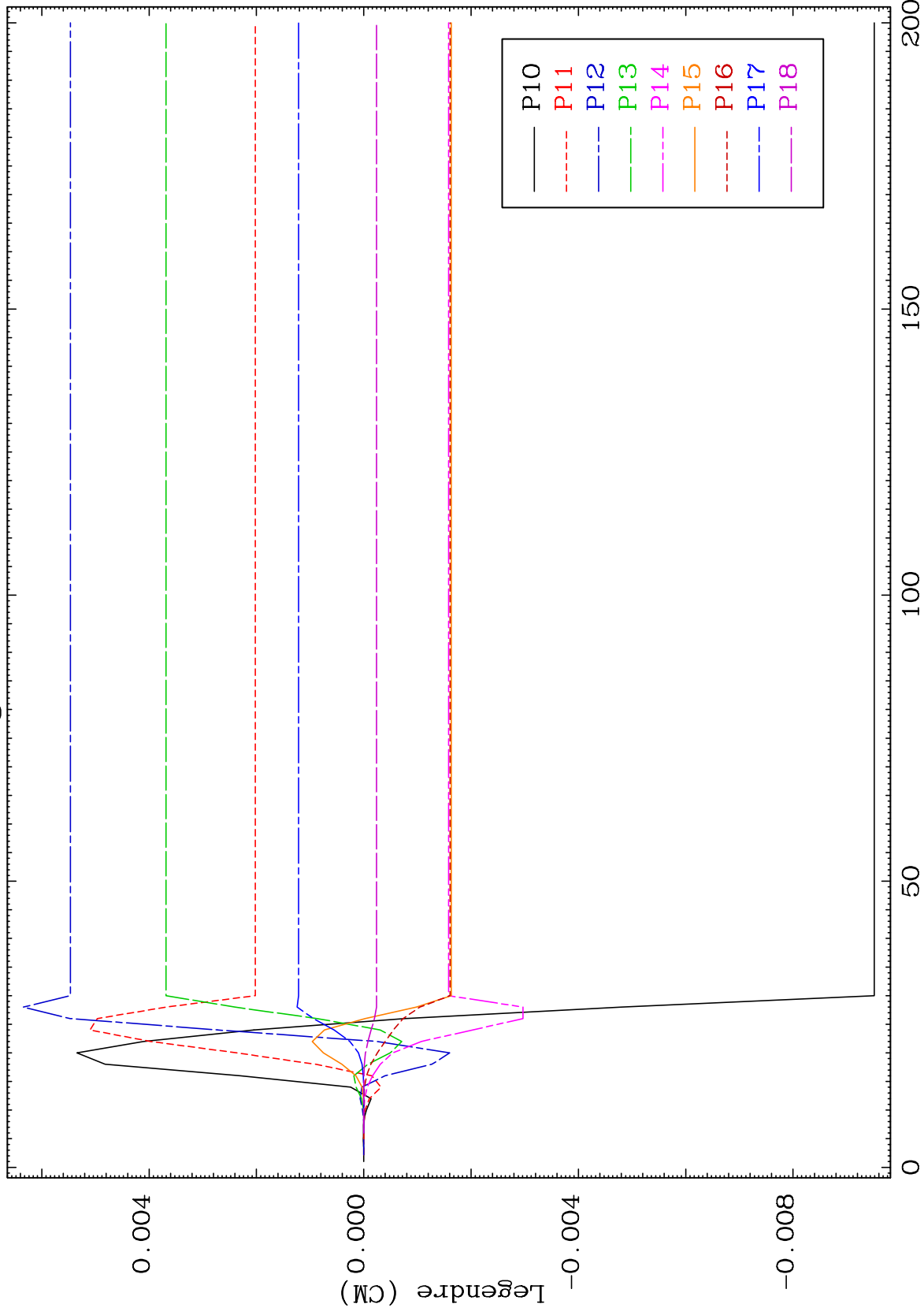
Incident Energy (MeV)

81-T1-191

MAT 8089

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

81-Tl-191



43

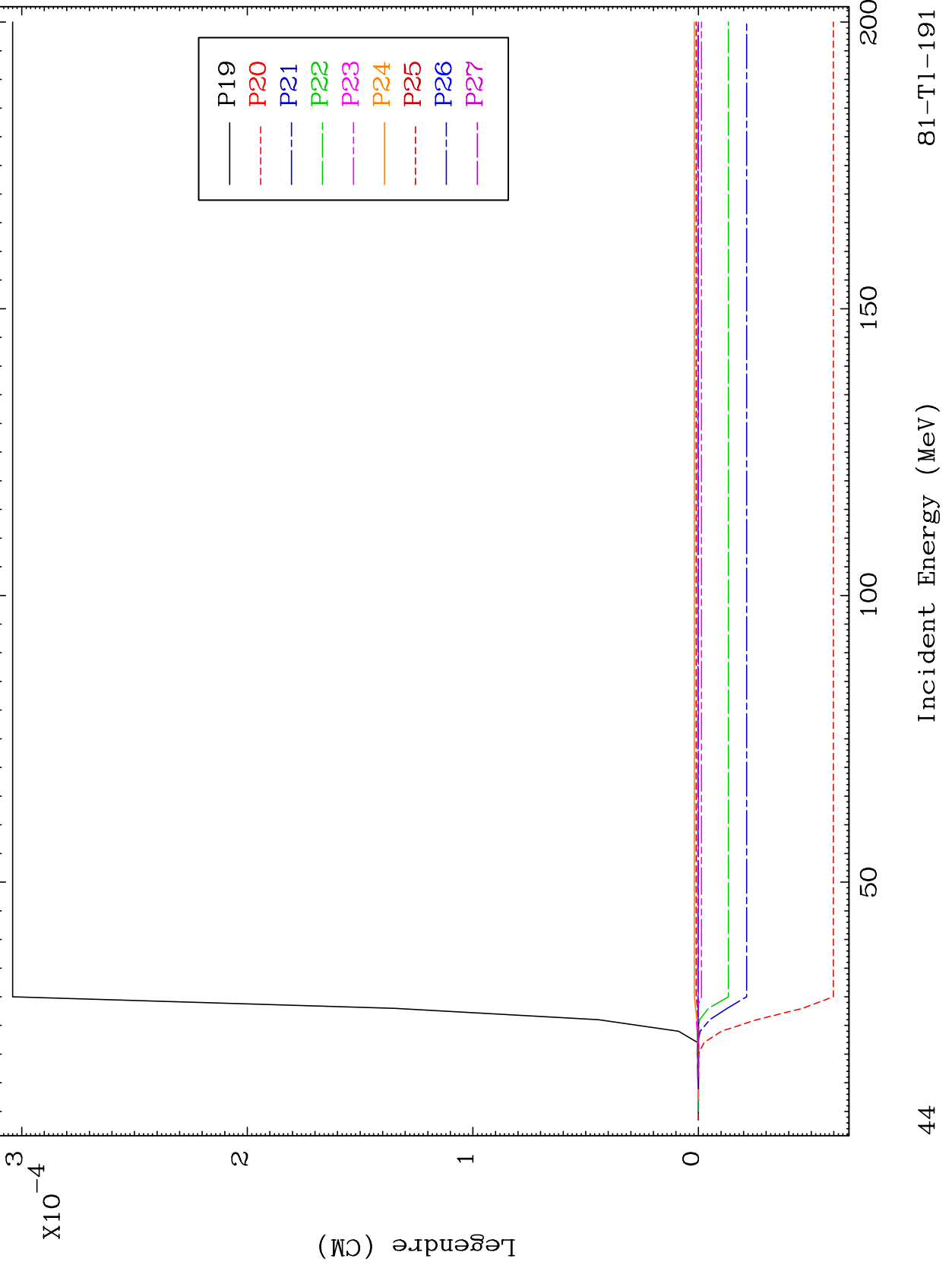
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



44

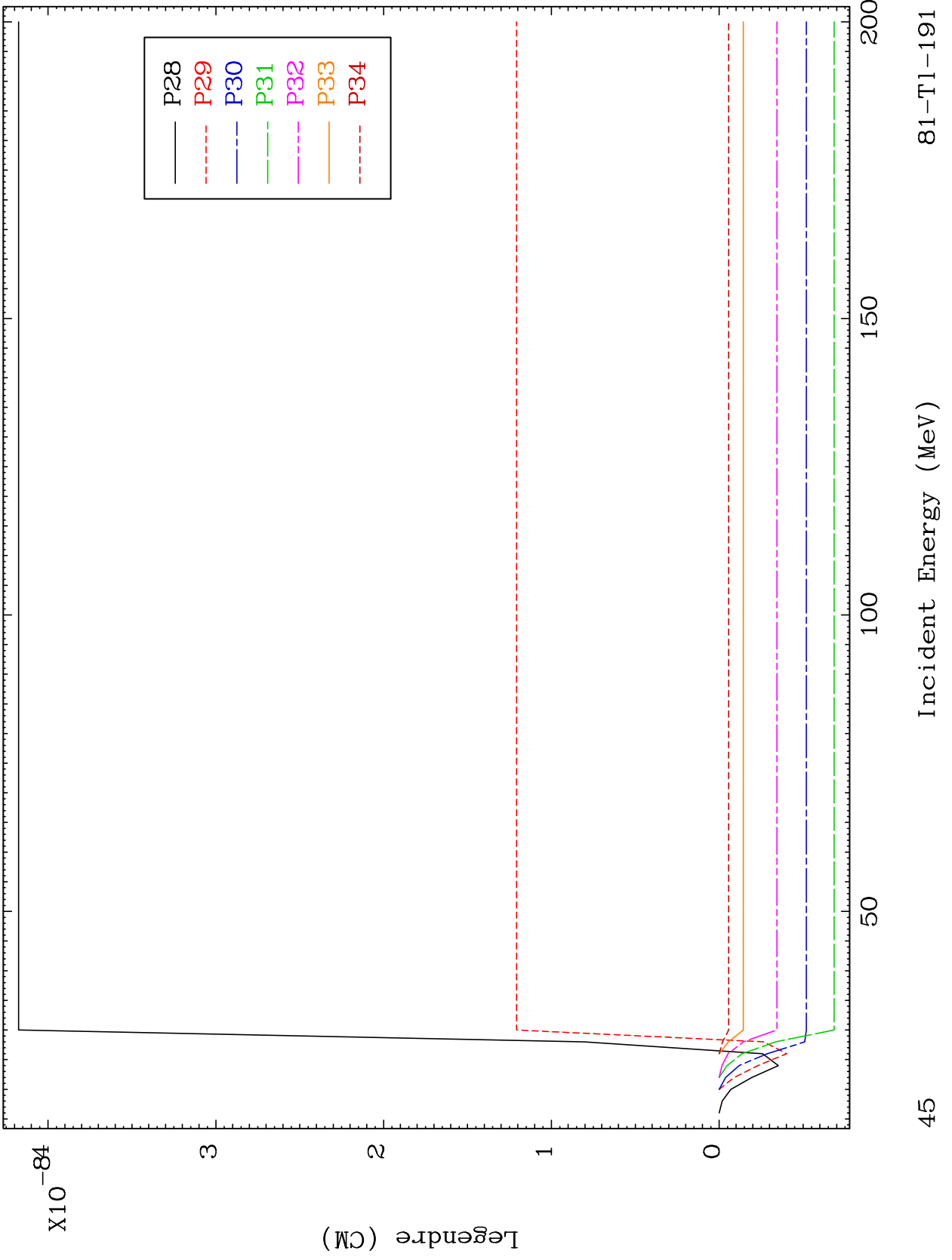
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

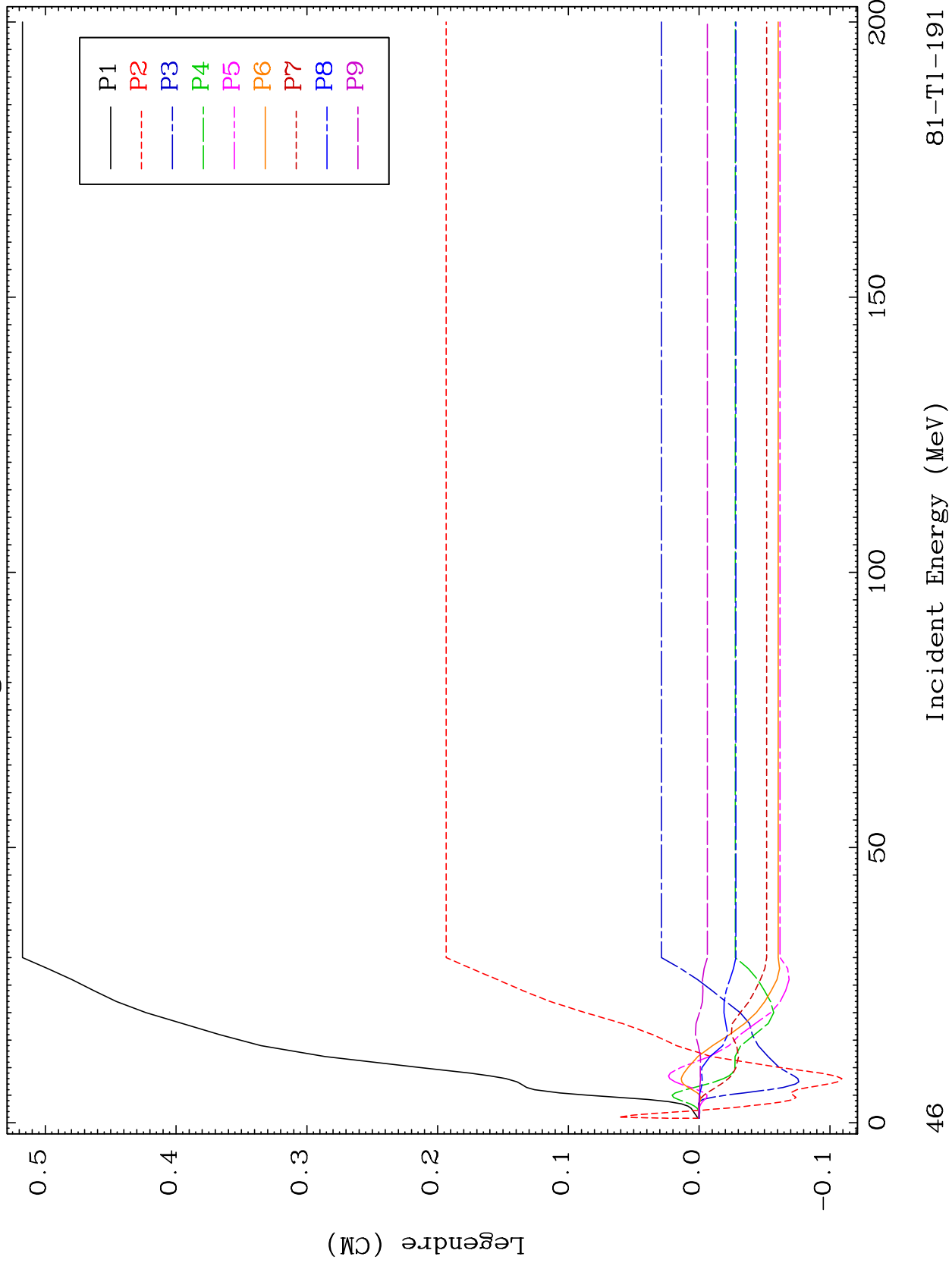
81-Tl-191



MAT 8089

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

81-Tl-191



81-Tl-191

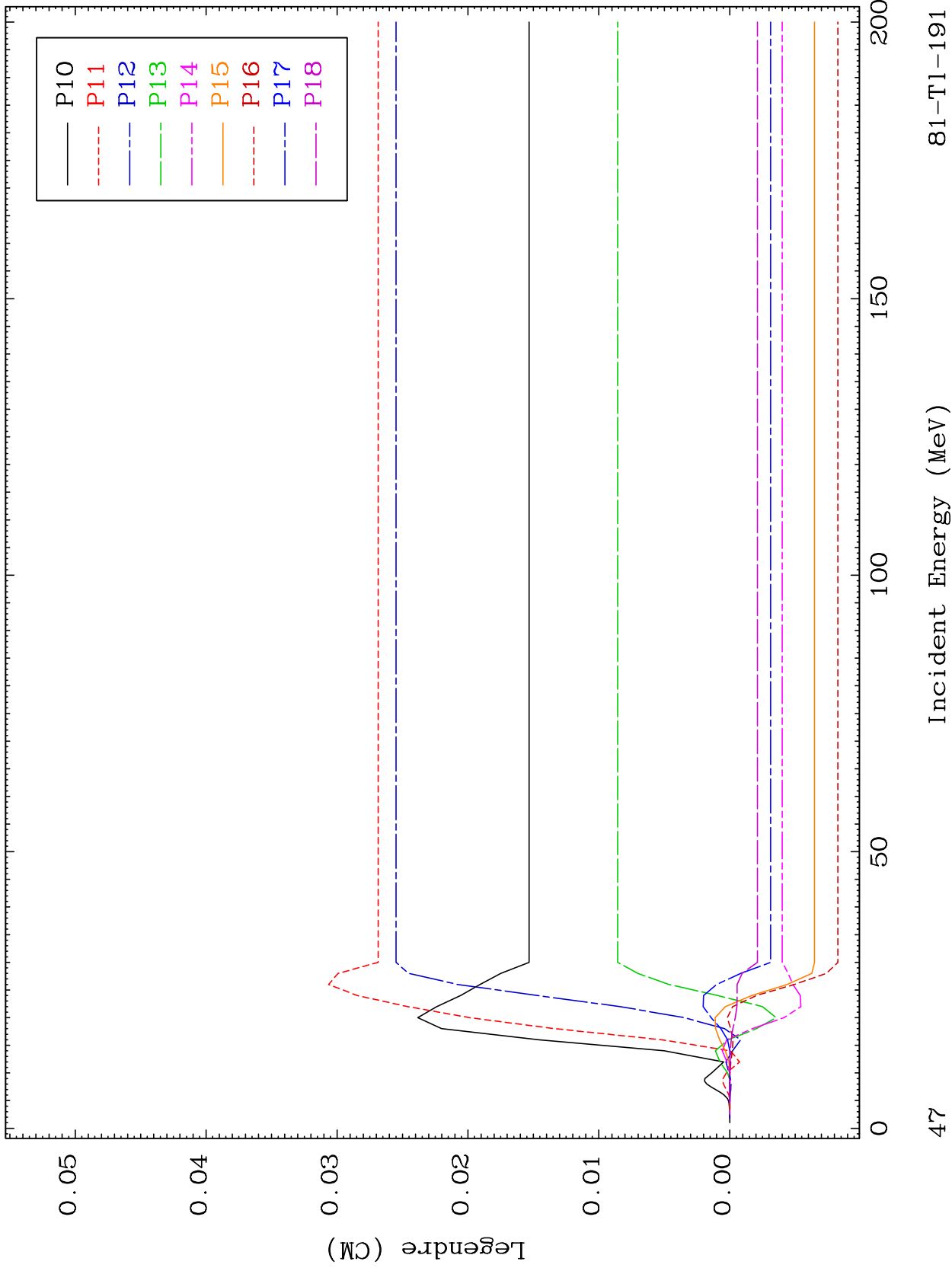
Incident Energy (MeV)

46

MAT 8089

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

81-Tl-191



47

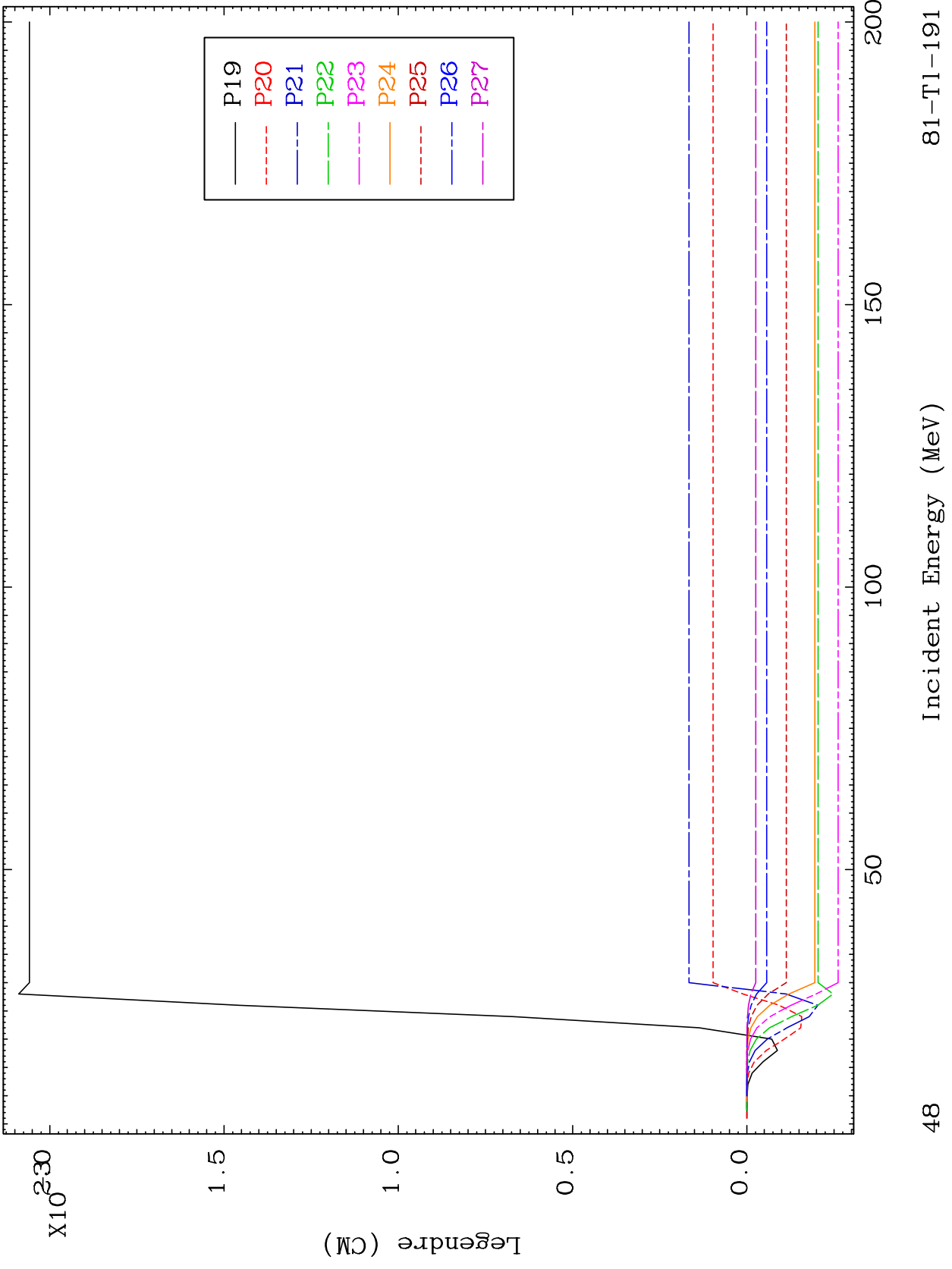
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



48

Incident Energy (MeV)

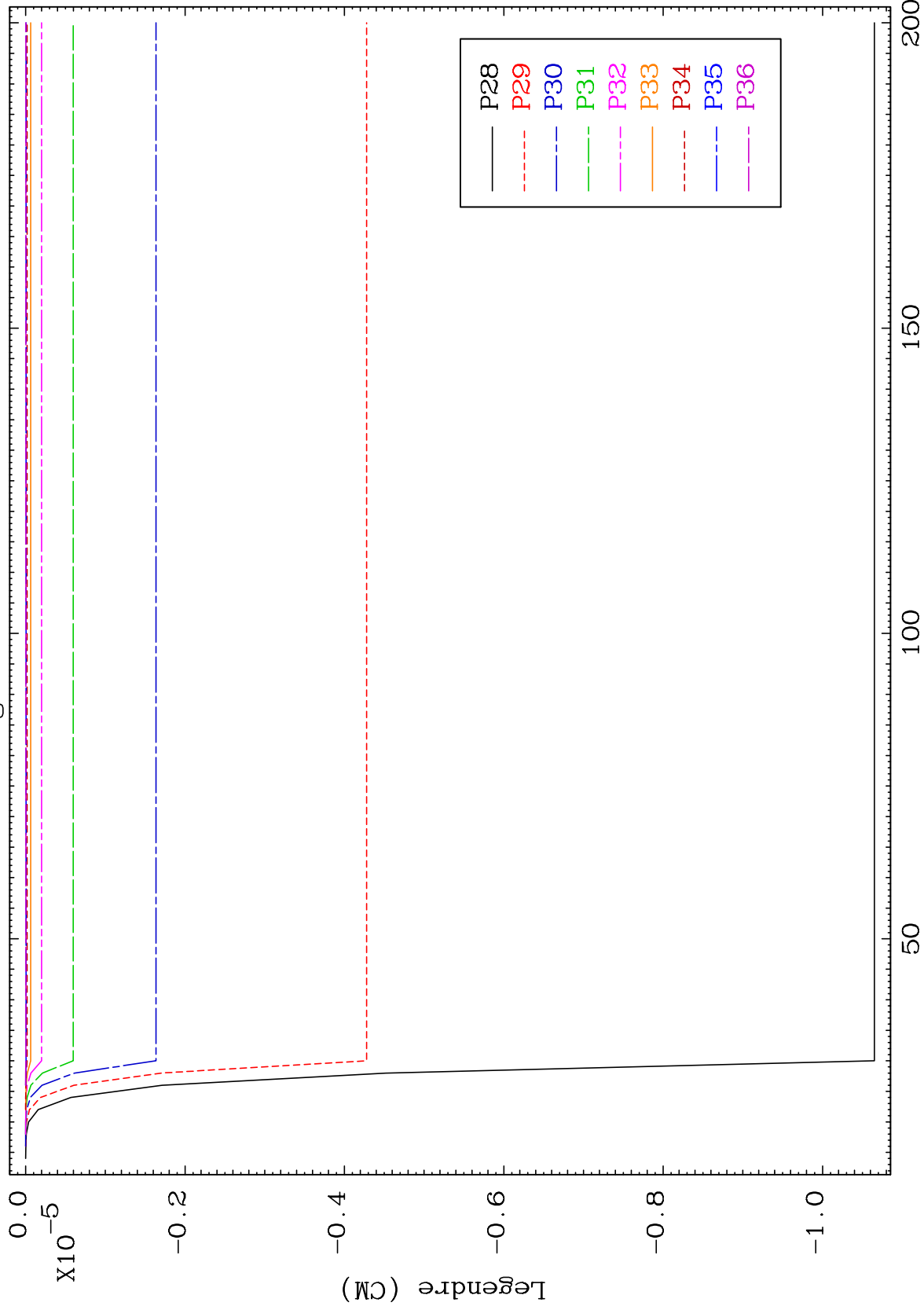
81-Tl-191

MAT 8089

MT= 57 (n,n') Level

81-Tl-191

Legendre Coefficients



49

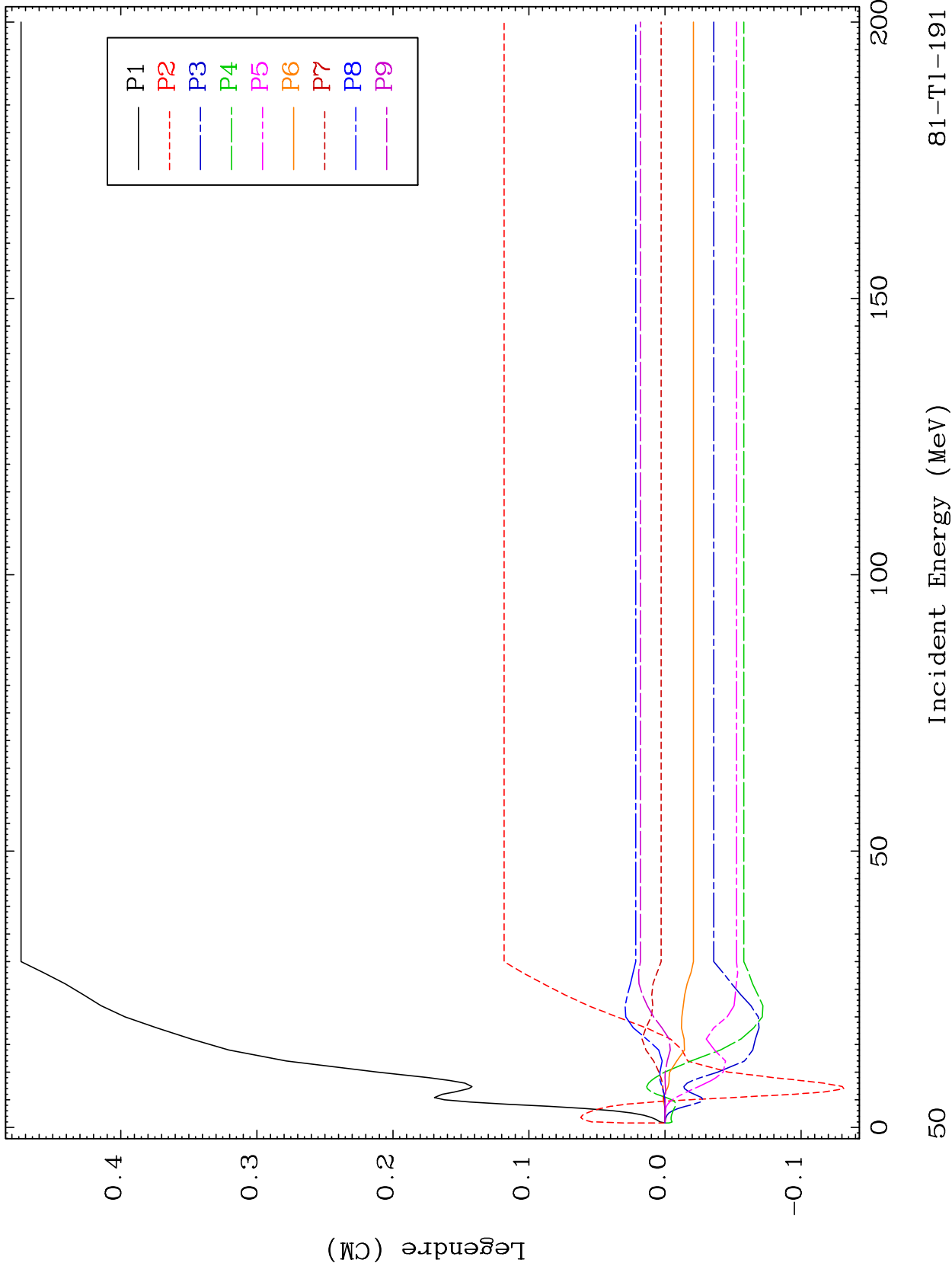
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



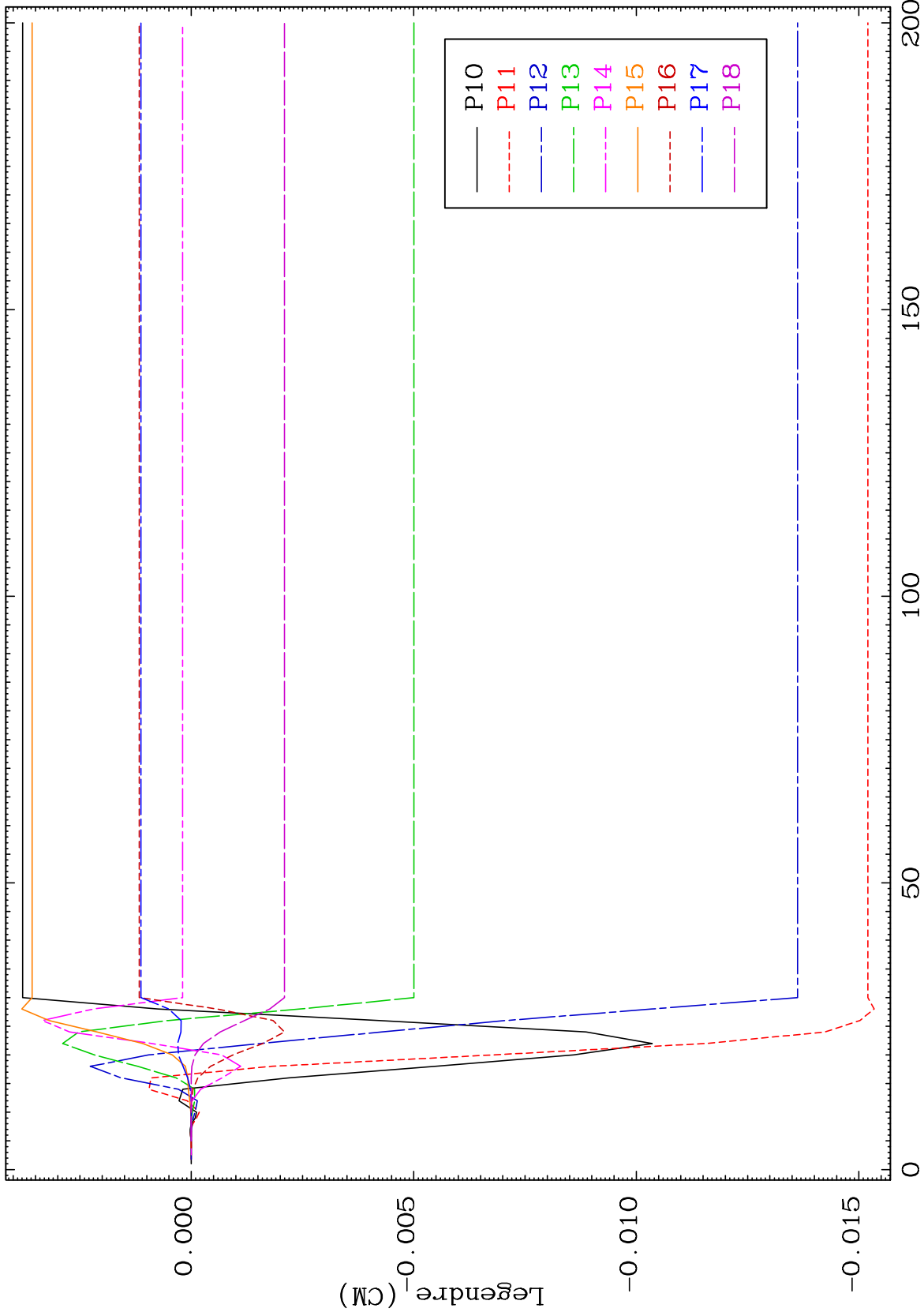
81-Tl-191

Incident Energy (MeV)

MAT 8089

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

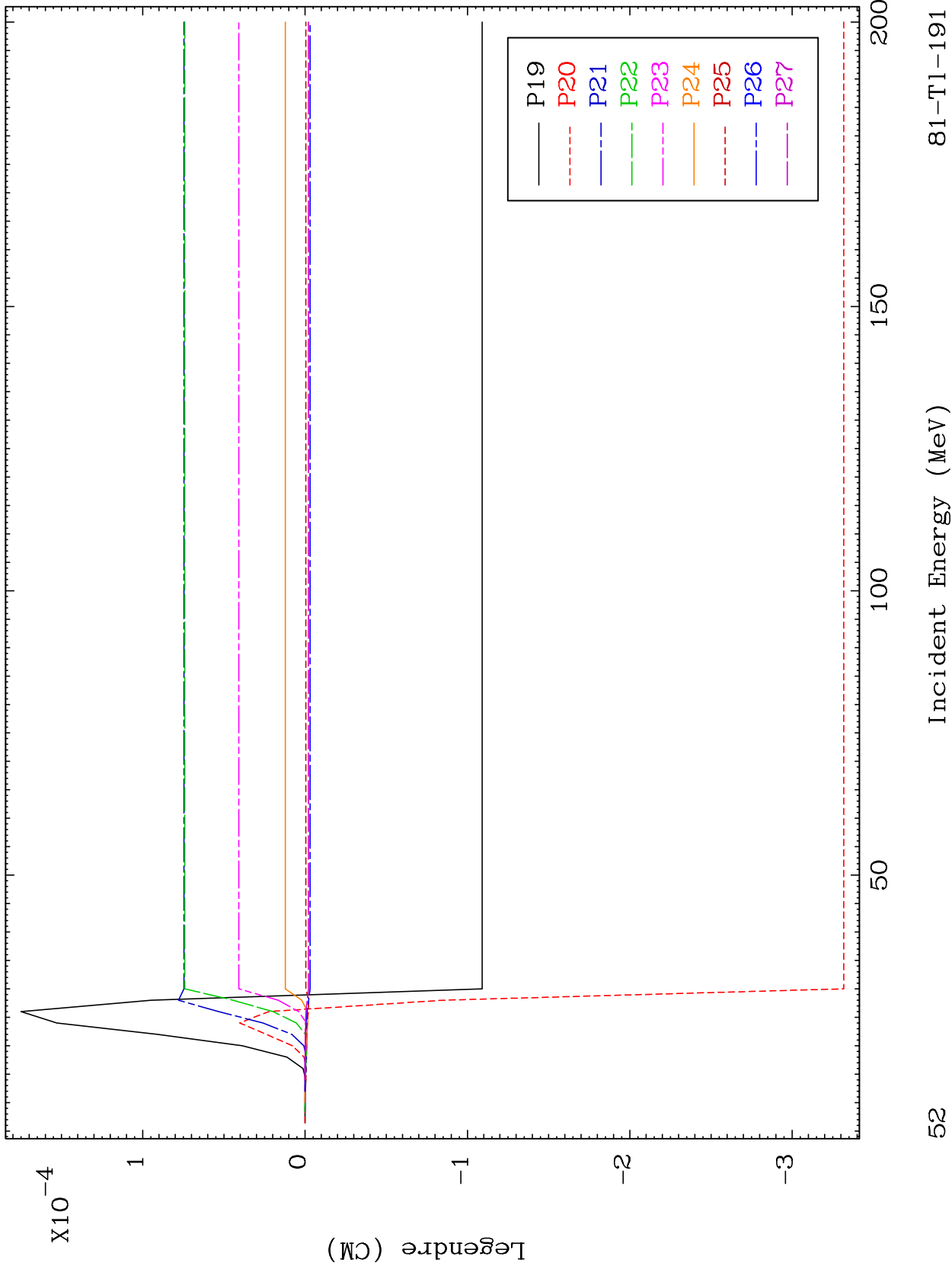
81-Tl-191



51

Incident Energy (MeV)

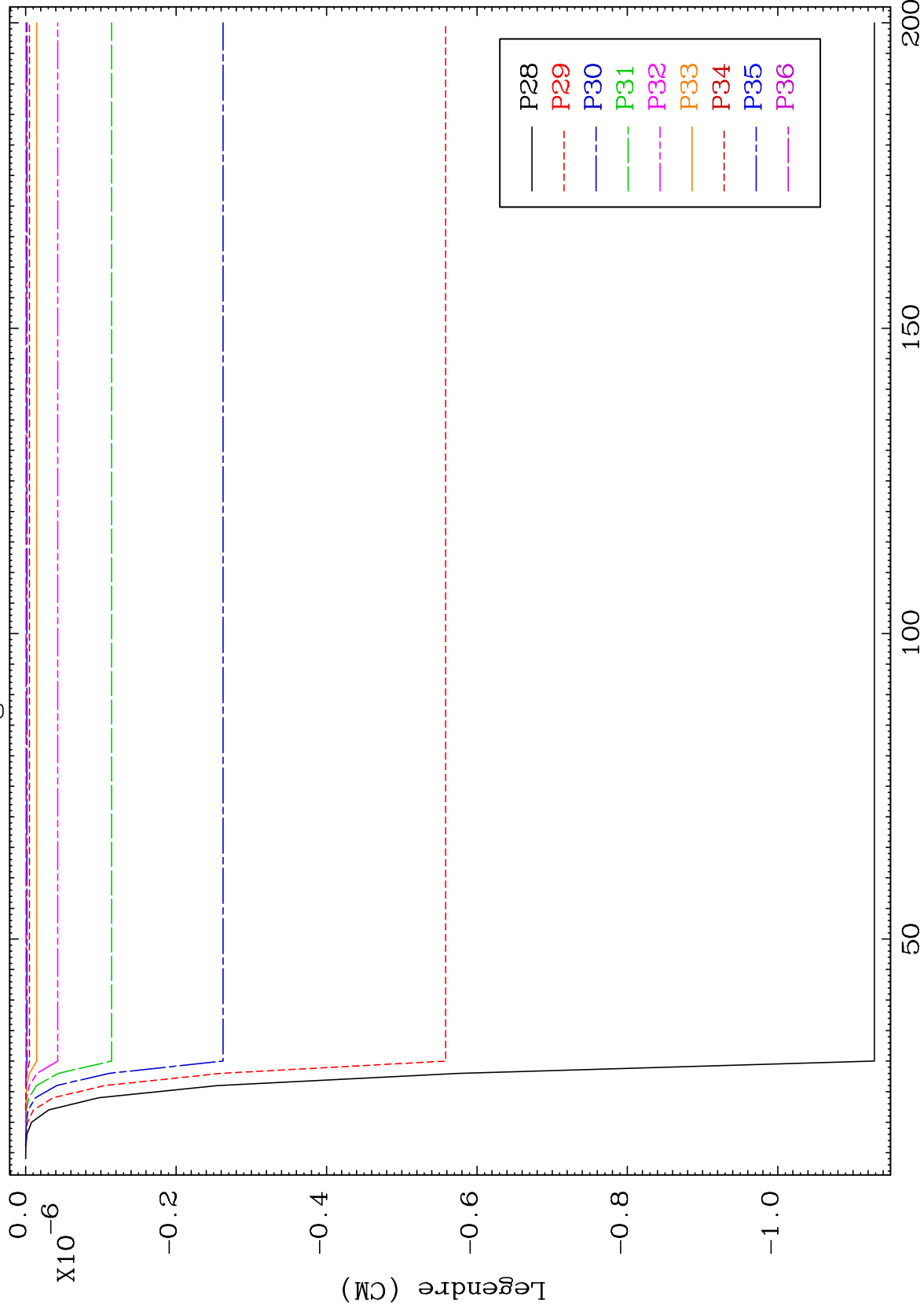
81-Tl-191



MAT 8089

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

81-Tl-191



53

Incident Energy (MeV)

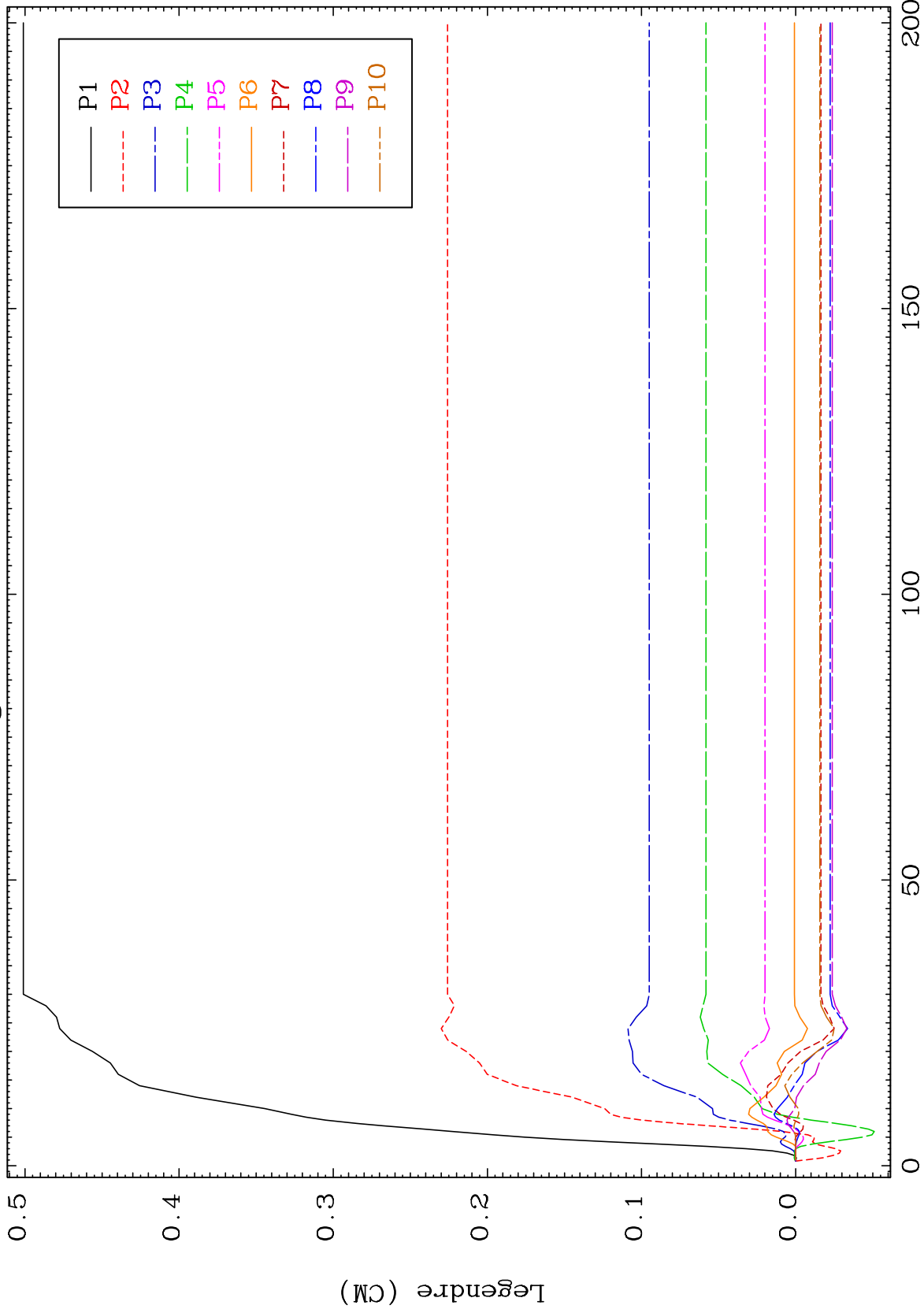
81-Tl-191

MAT 8089

MT= 59 (n,n') Level

81-Tl-191

Legendre Coefficients



54

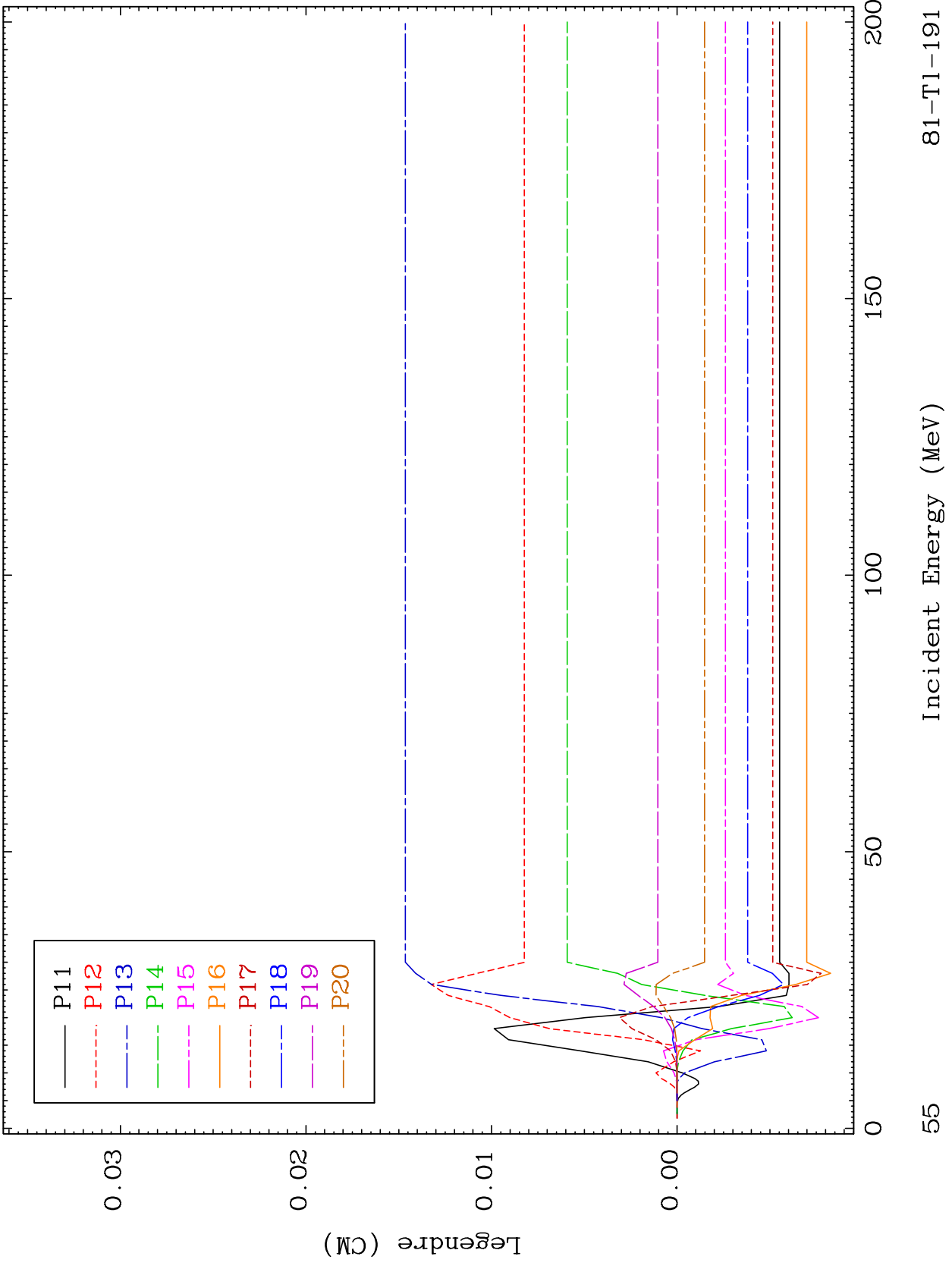
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

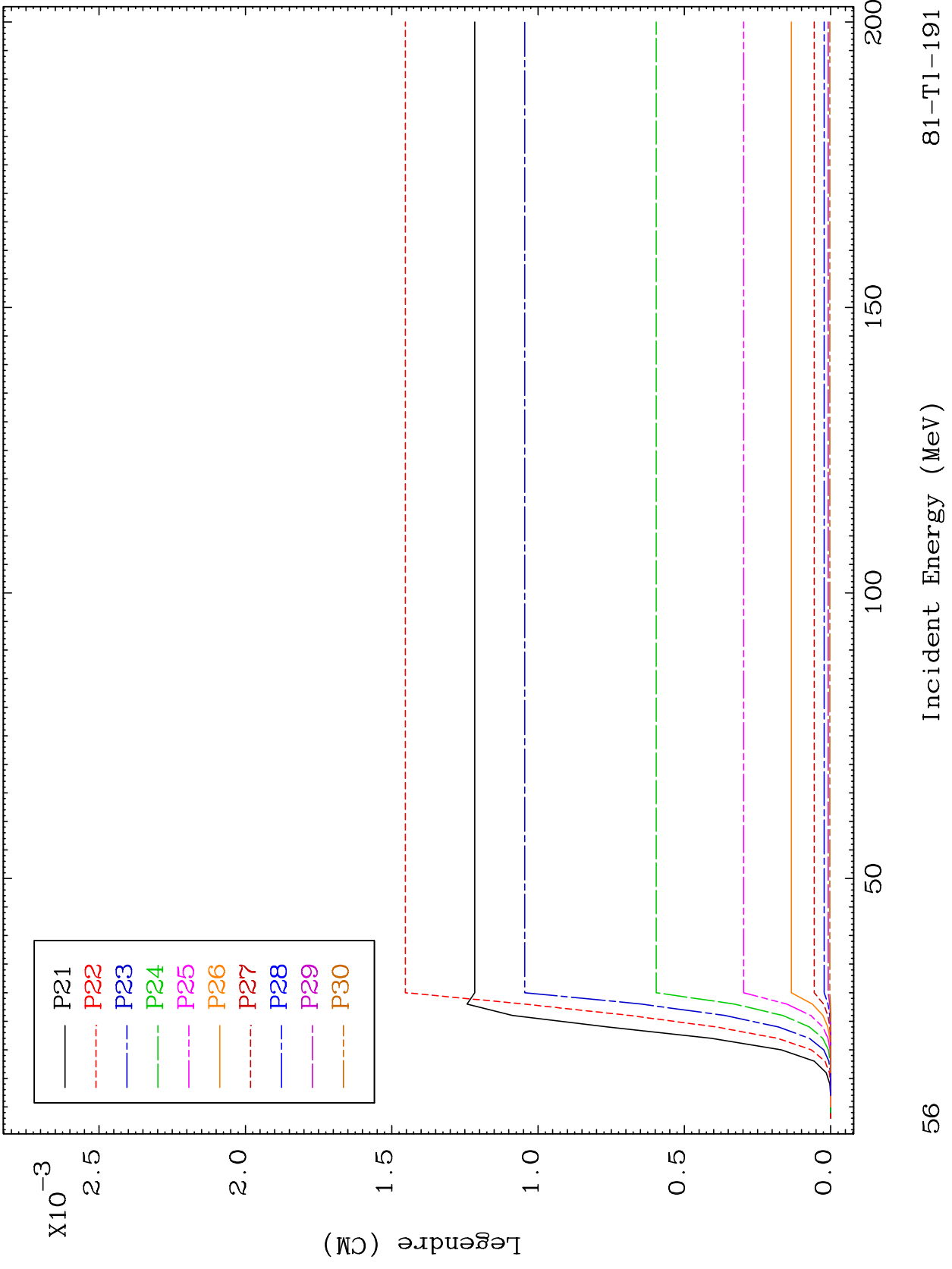
81-Tl-191

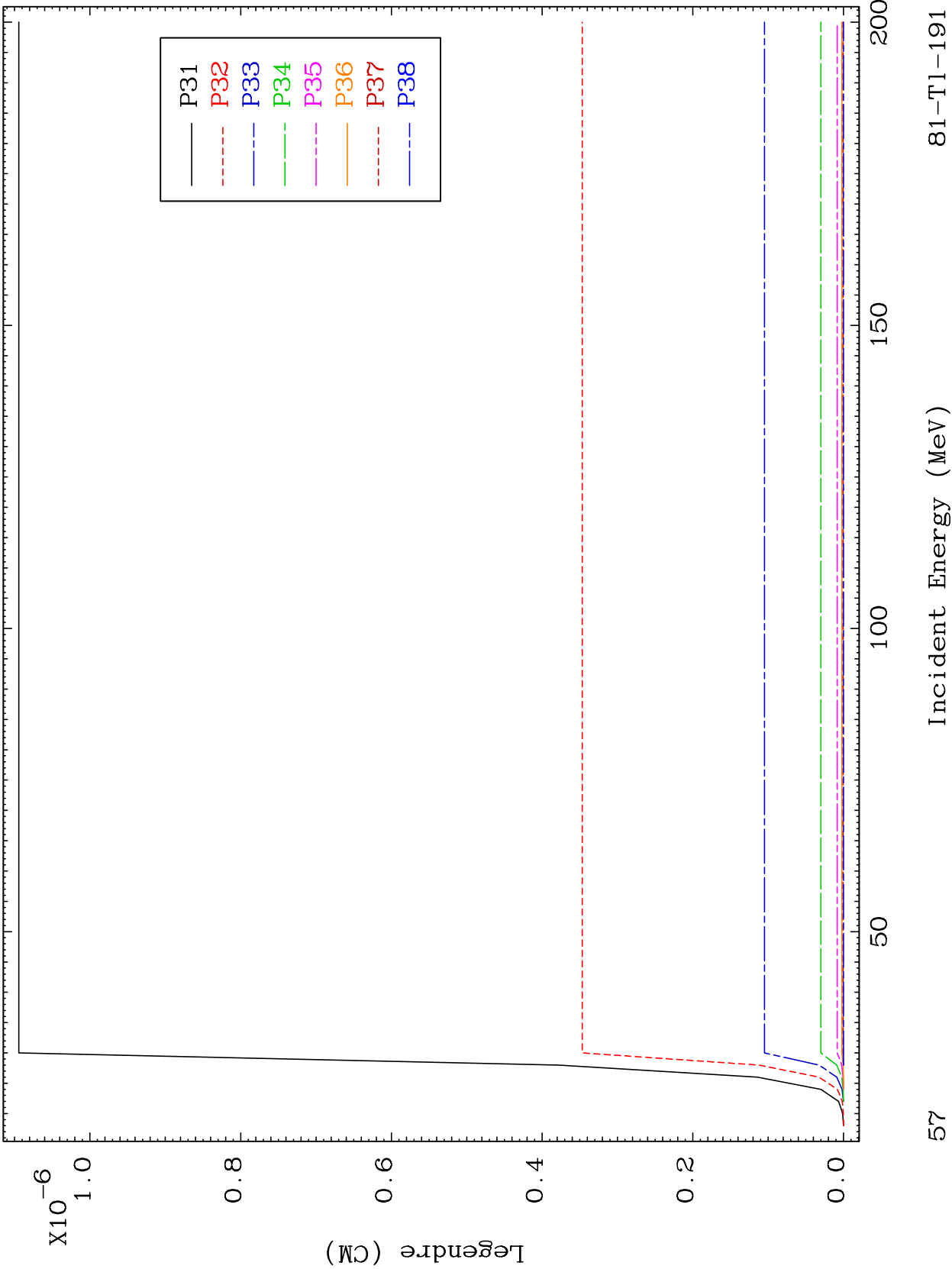


81-Tl-191

Incident Energy (MeV)

55

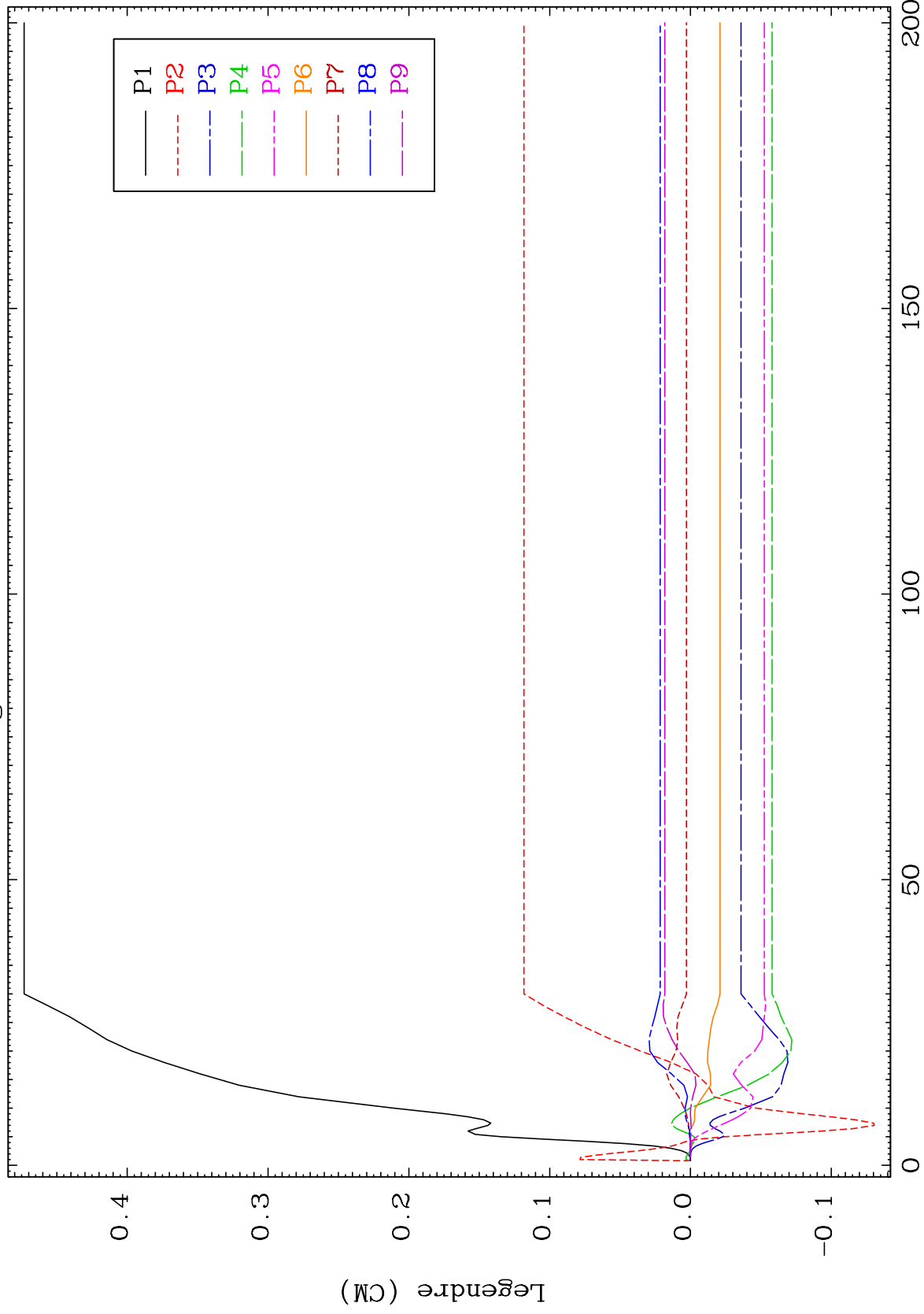




MAT 8089

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

81-Tl-191



58

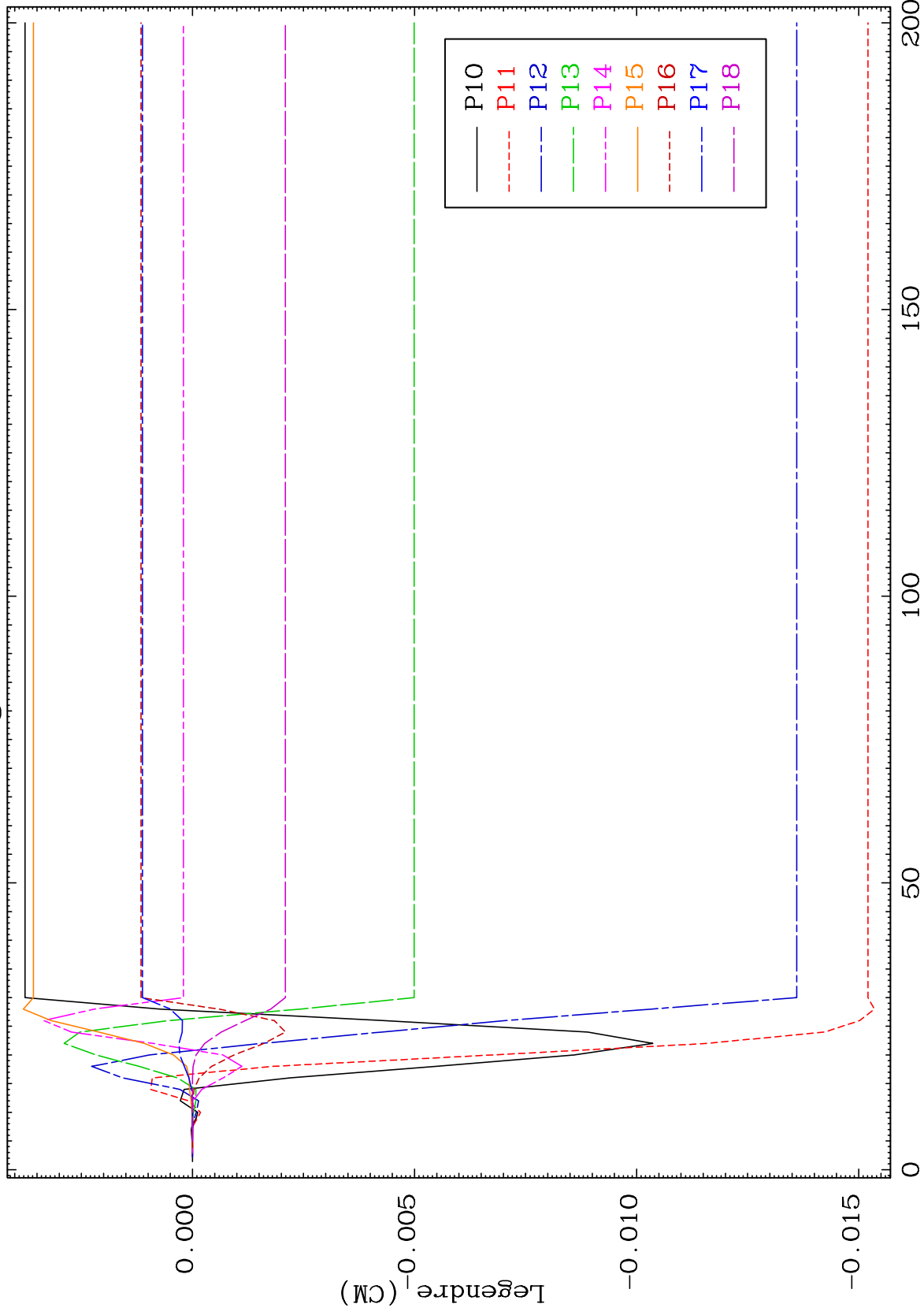
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



59

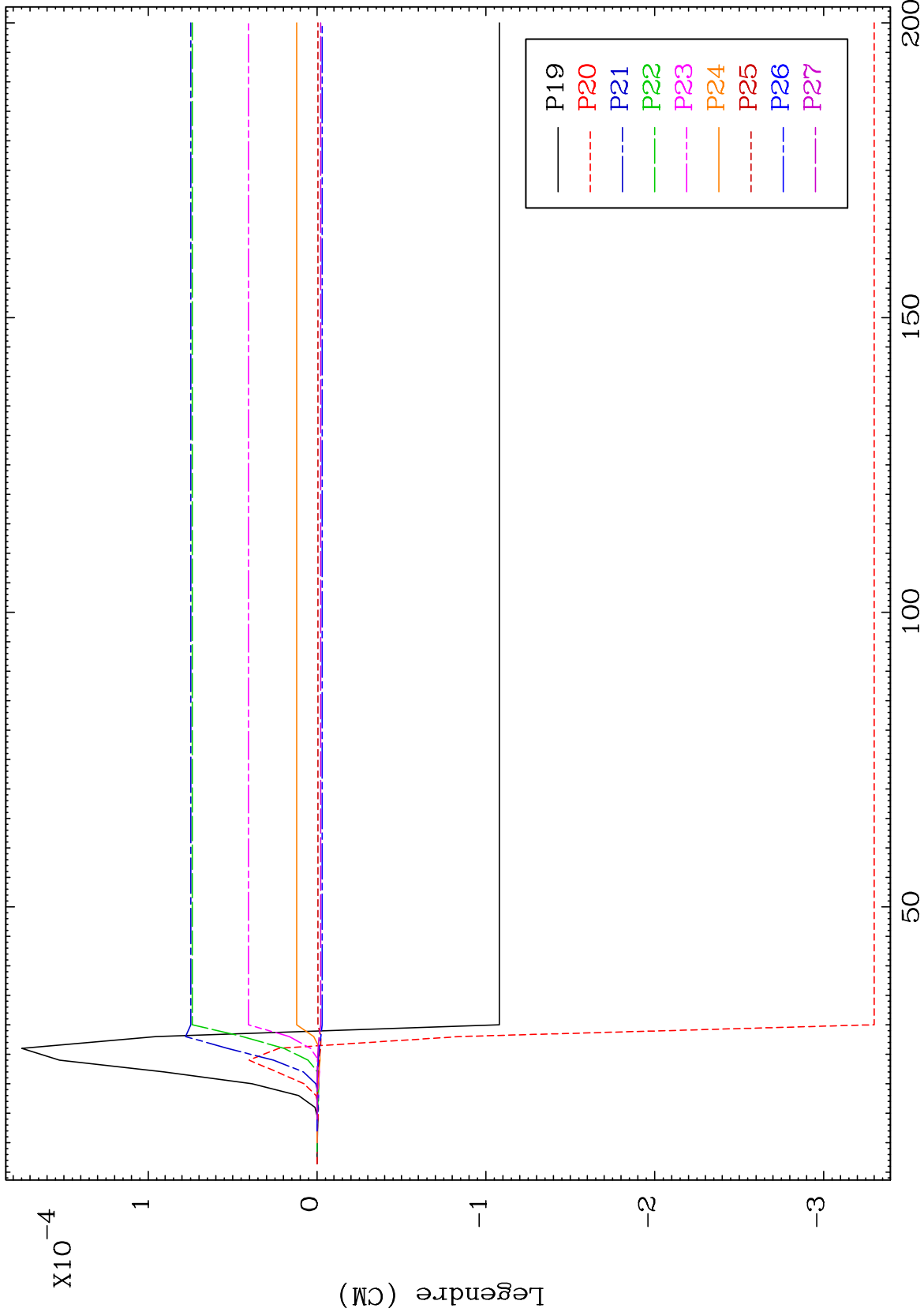
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

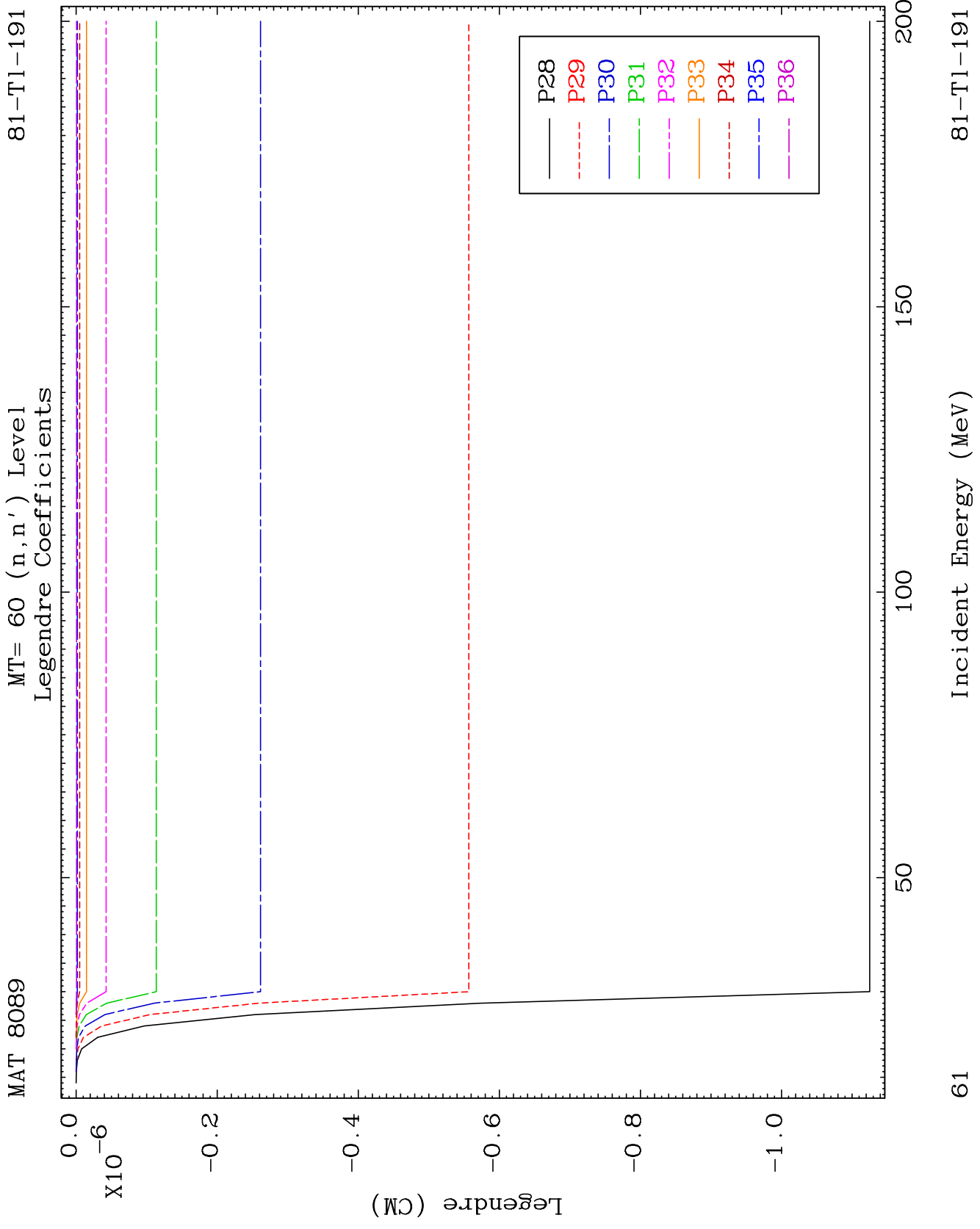
81-Tl-191



60

Incident Energy (MeV)

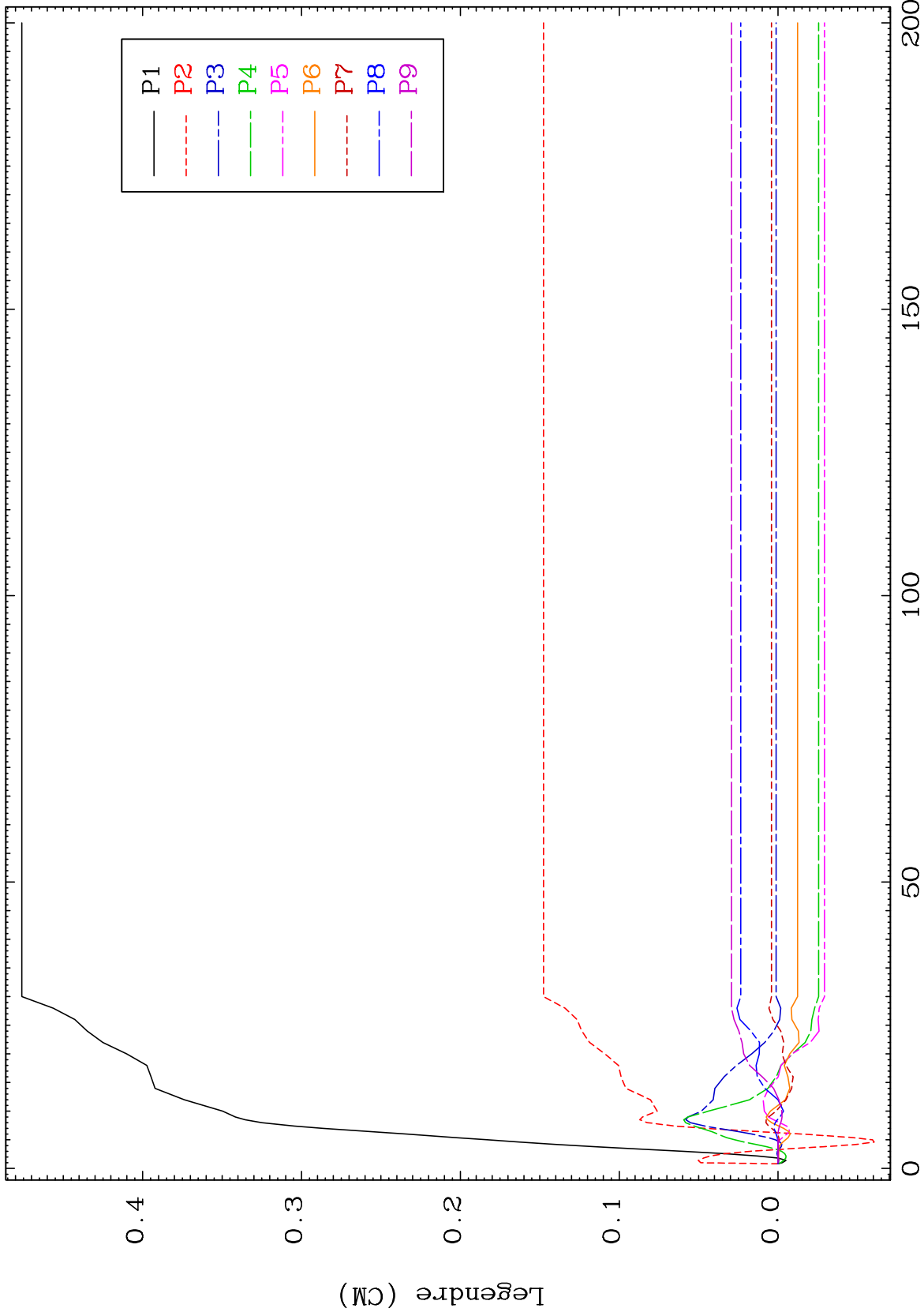
81-Tl-191



MAT 8089

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

81-Tl-191



62

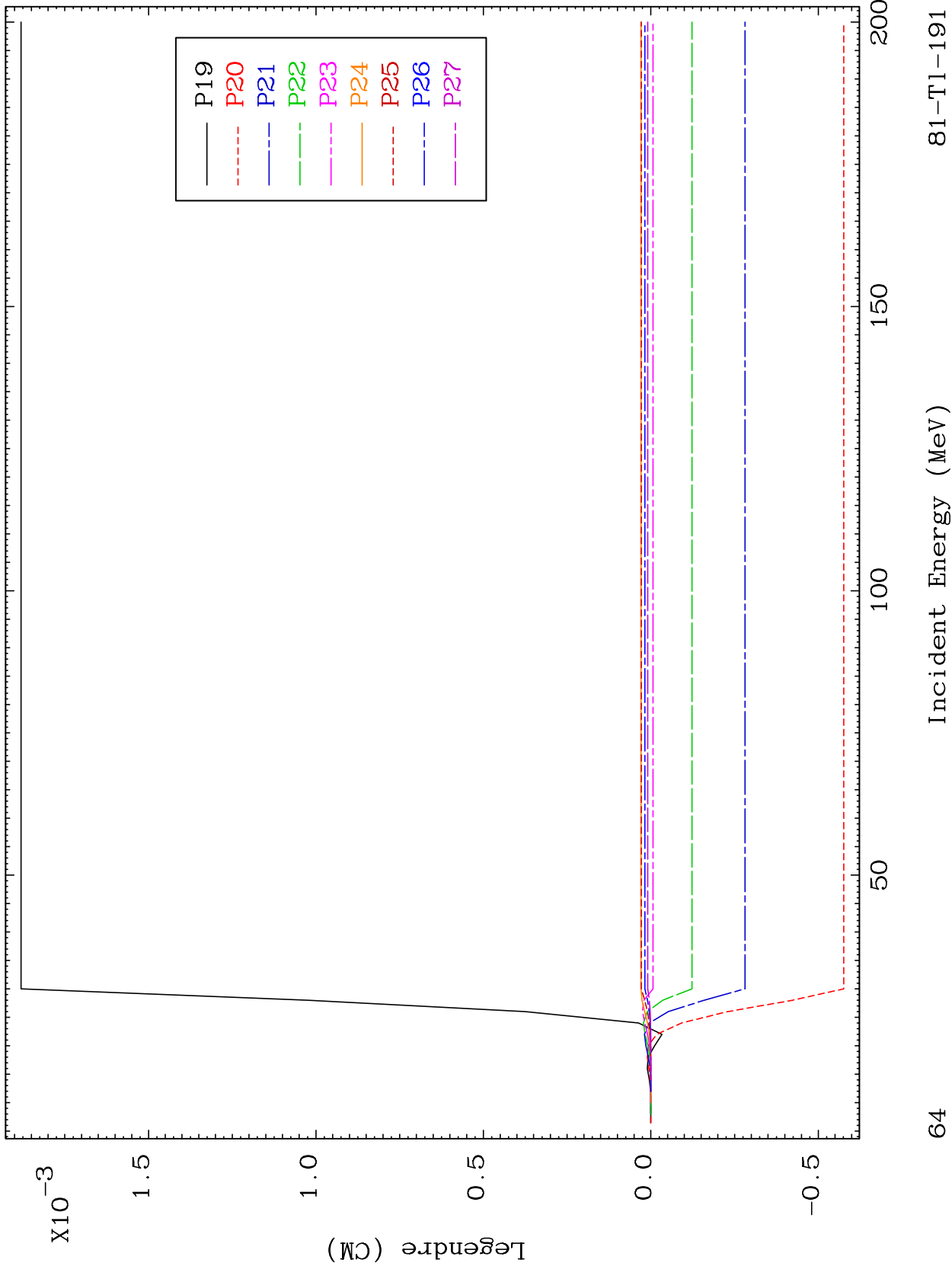
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

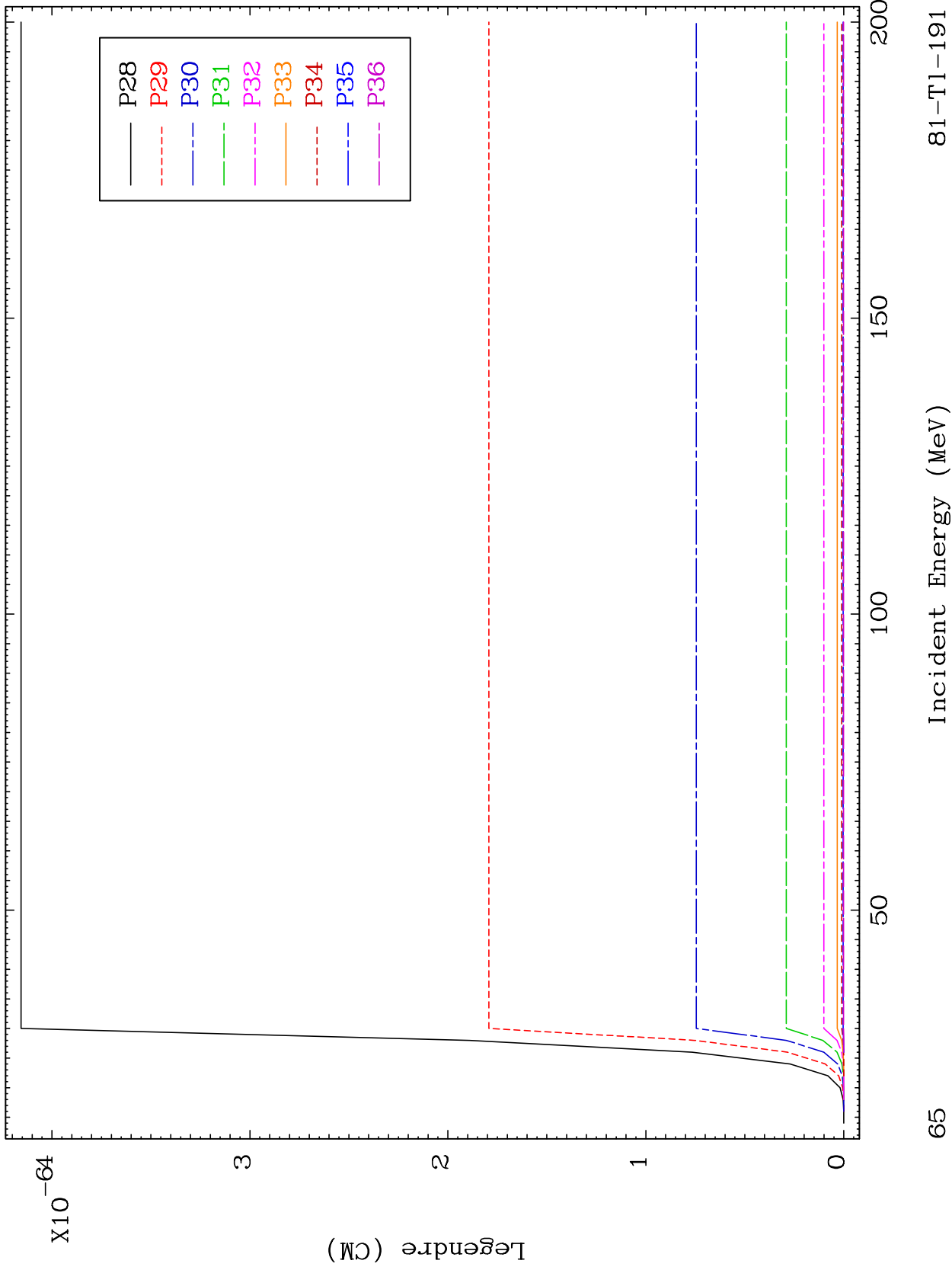
81-Tl-191



MAT 8089

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

81-Tl-191



65

Incident Energy (MeV)

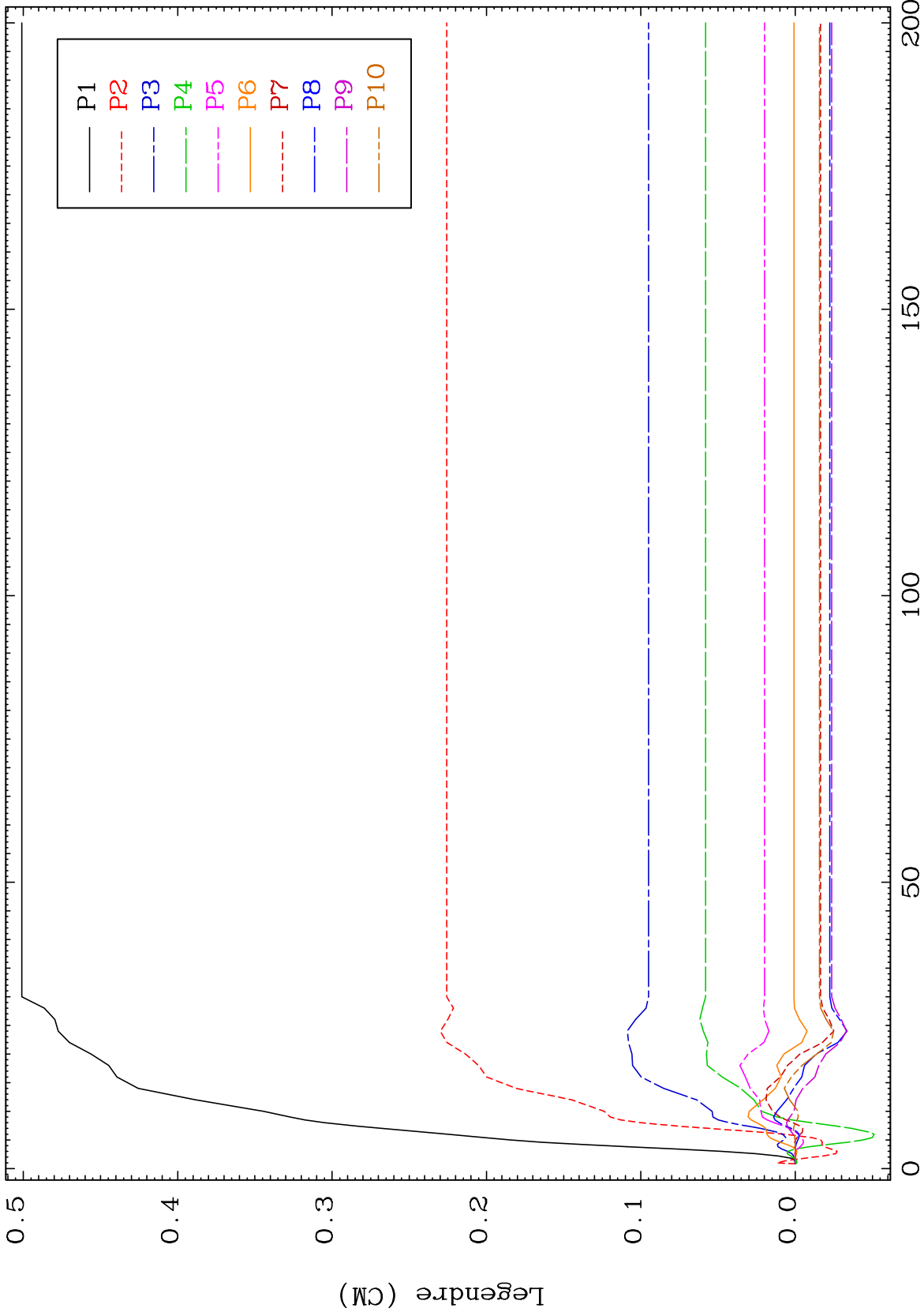
81-Tl-191

MAT 8089

MT= 62 (n,n') Level

81-Tl-191

Legendre Coefficients



66

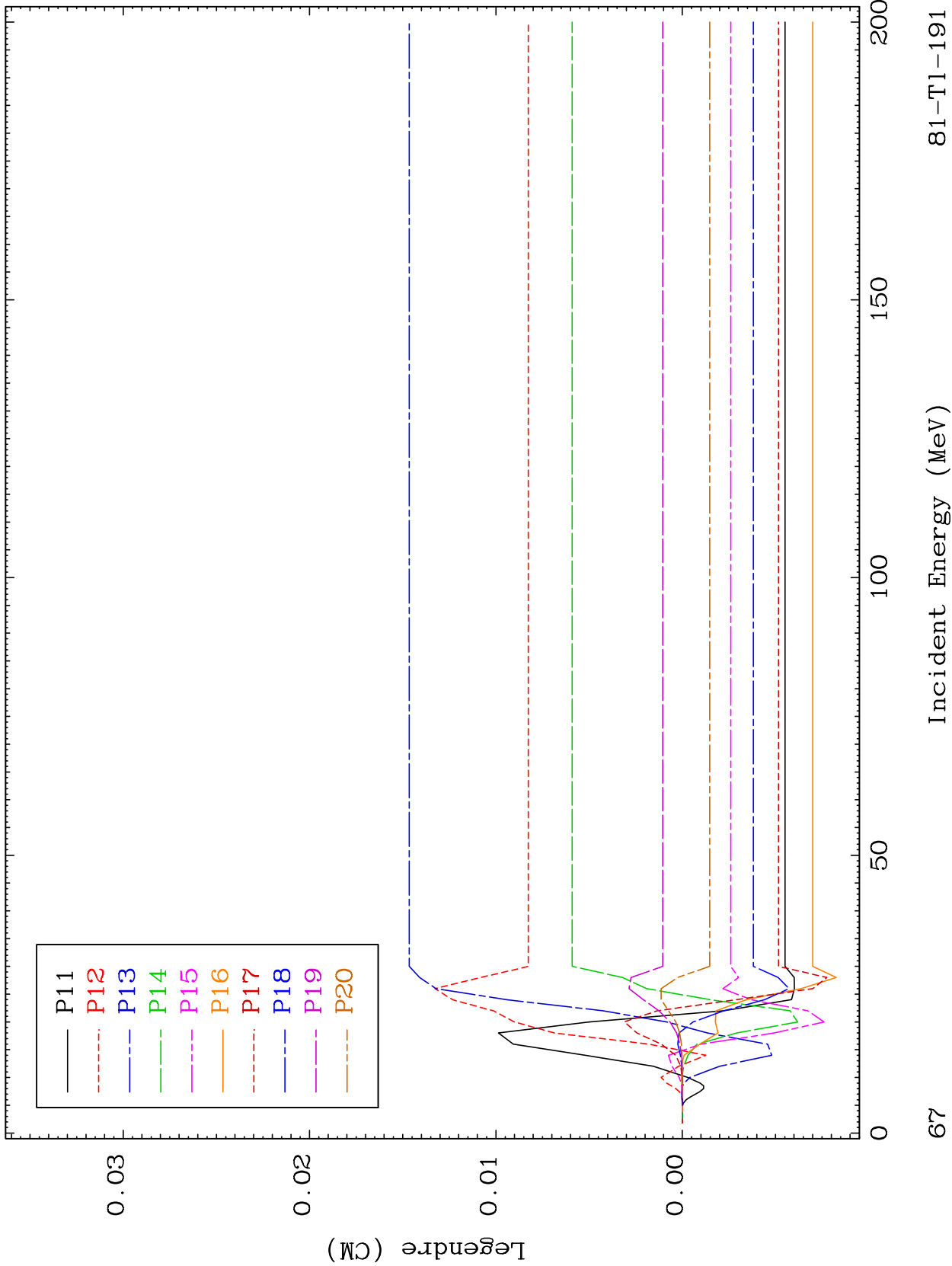
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

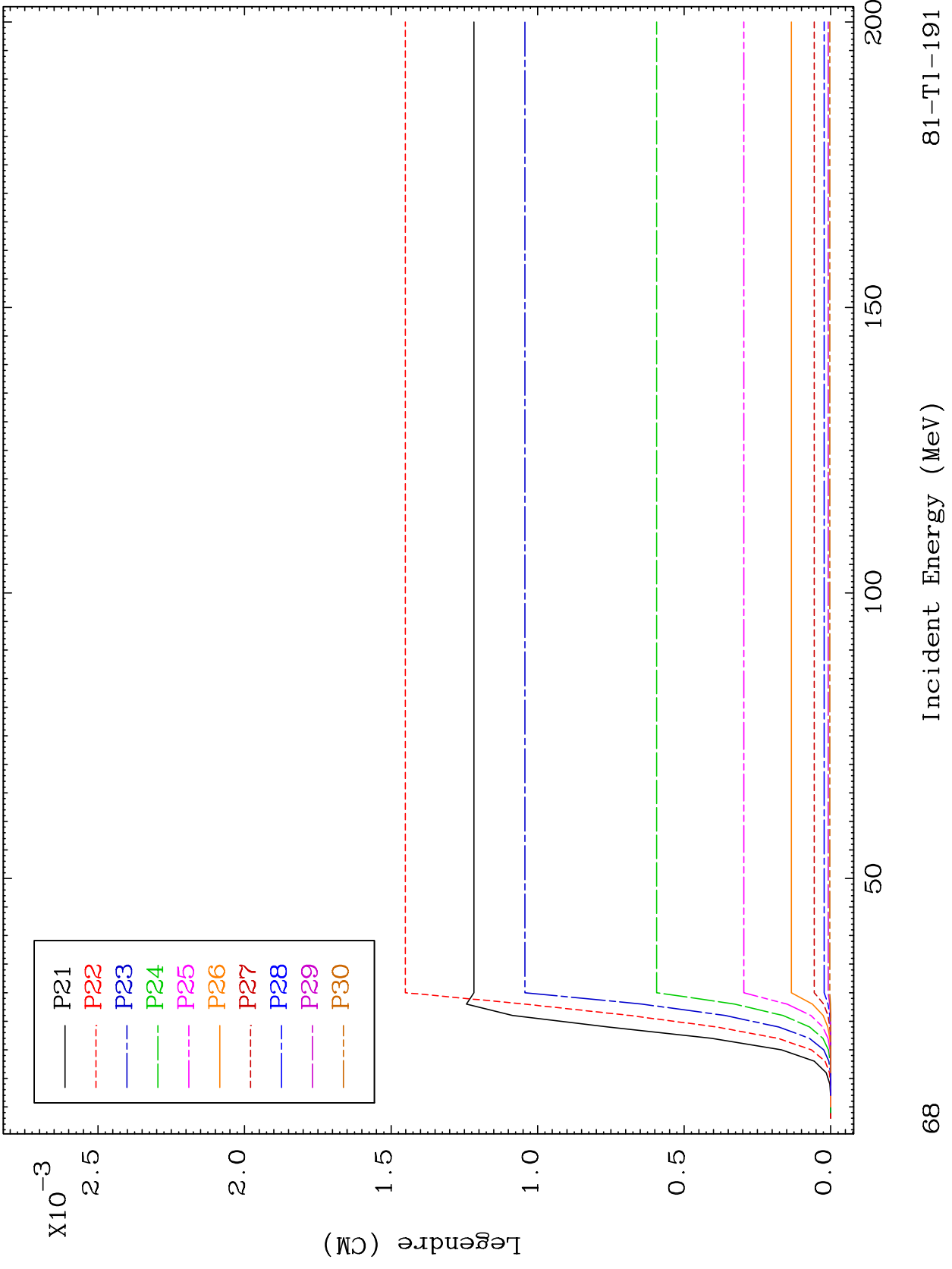
81-Tl-191



67

Incident Energy (MeV)

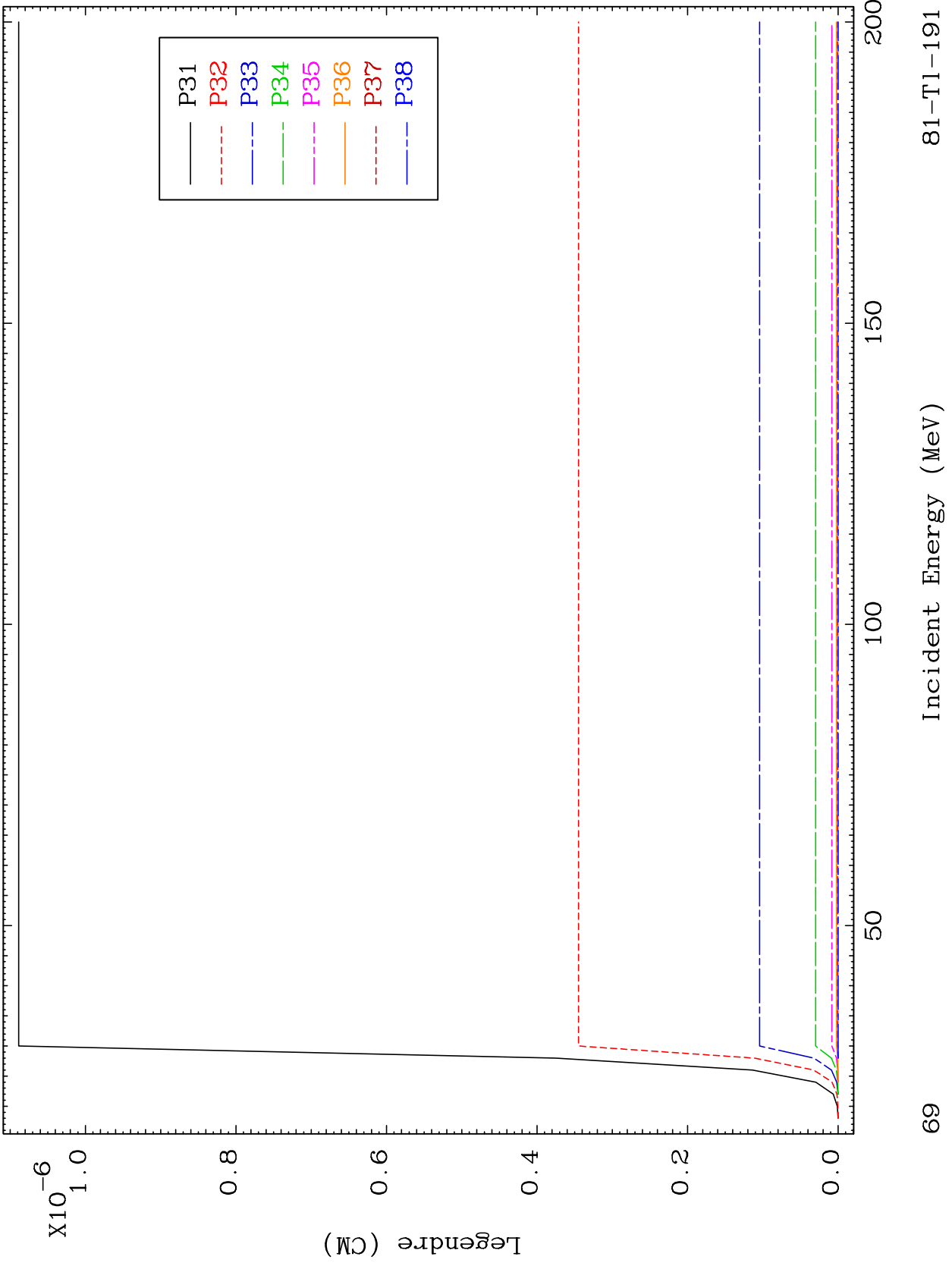
81-Tl-191



MAT 8089

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

81-Tl-191



69

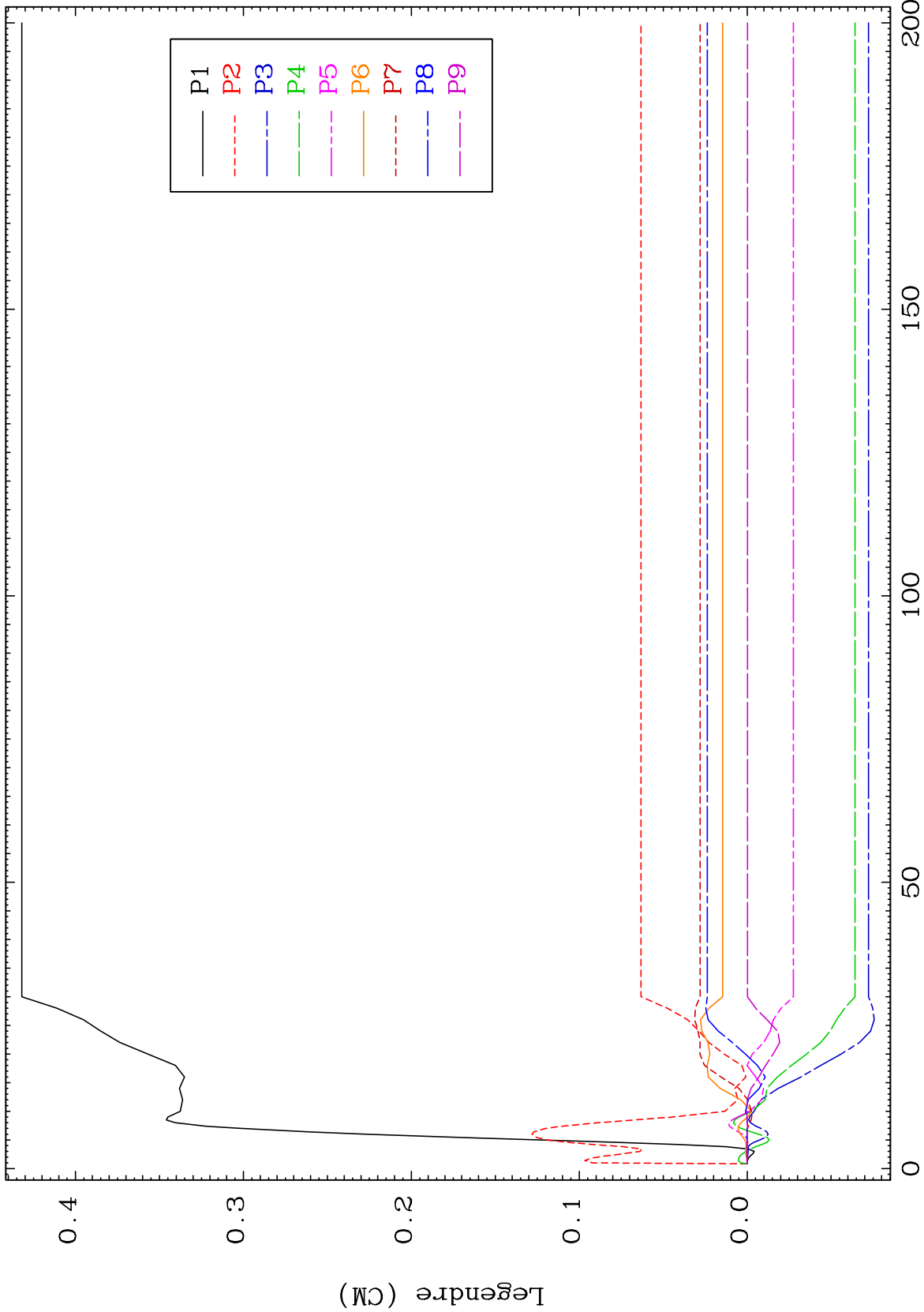
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



81-Tl-191

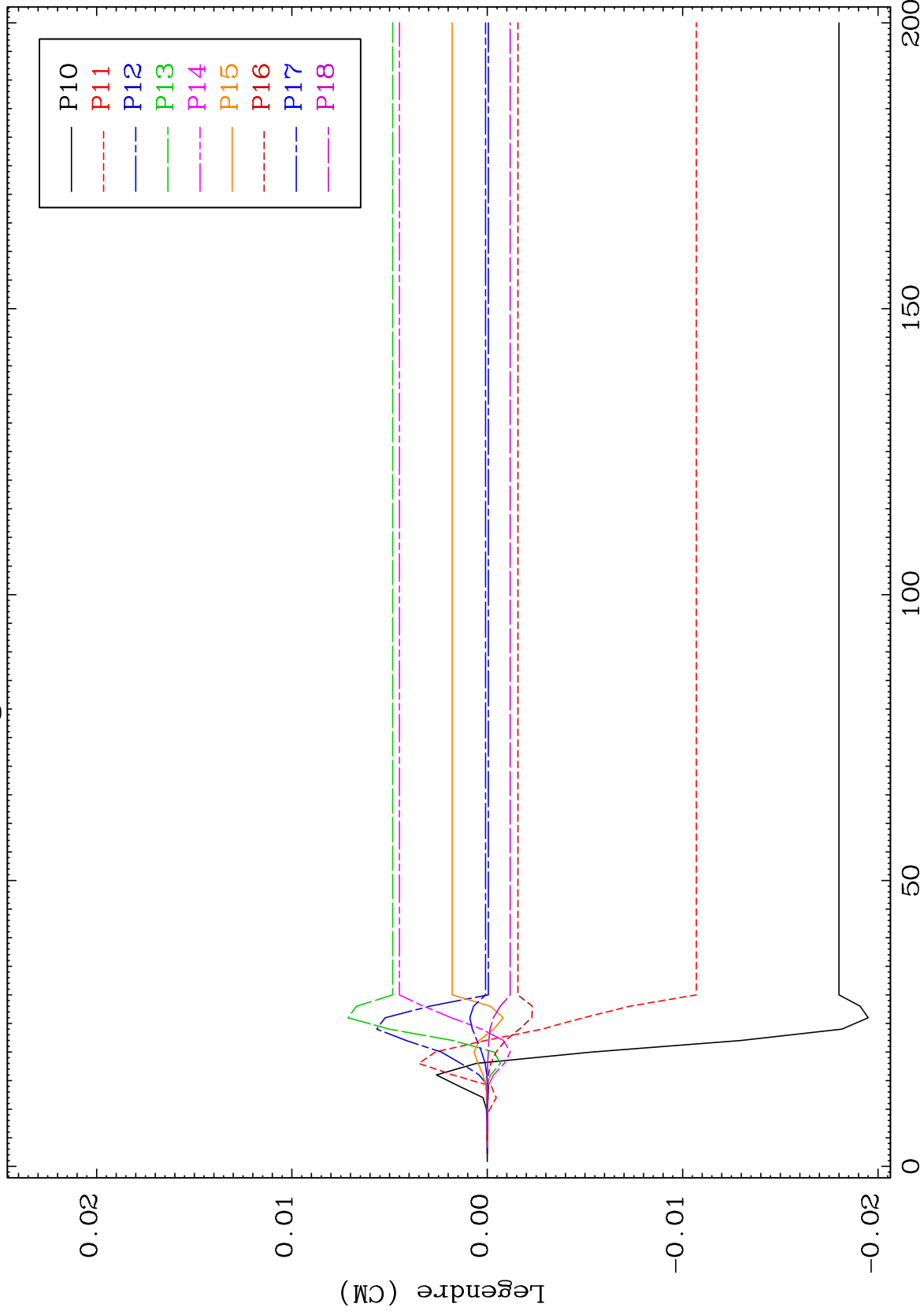
Incident Energy (MeV)

70

MAT 8089

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

81-Tl-191



71

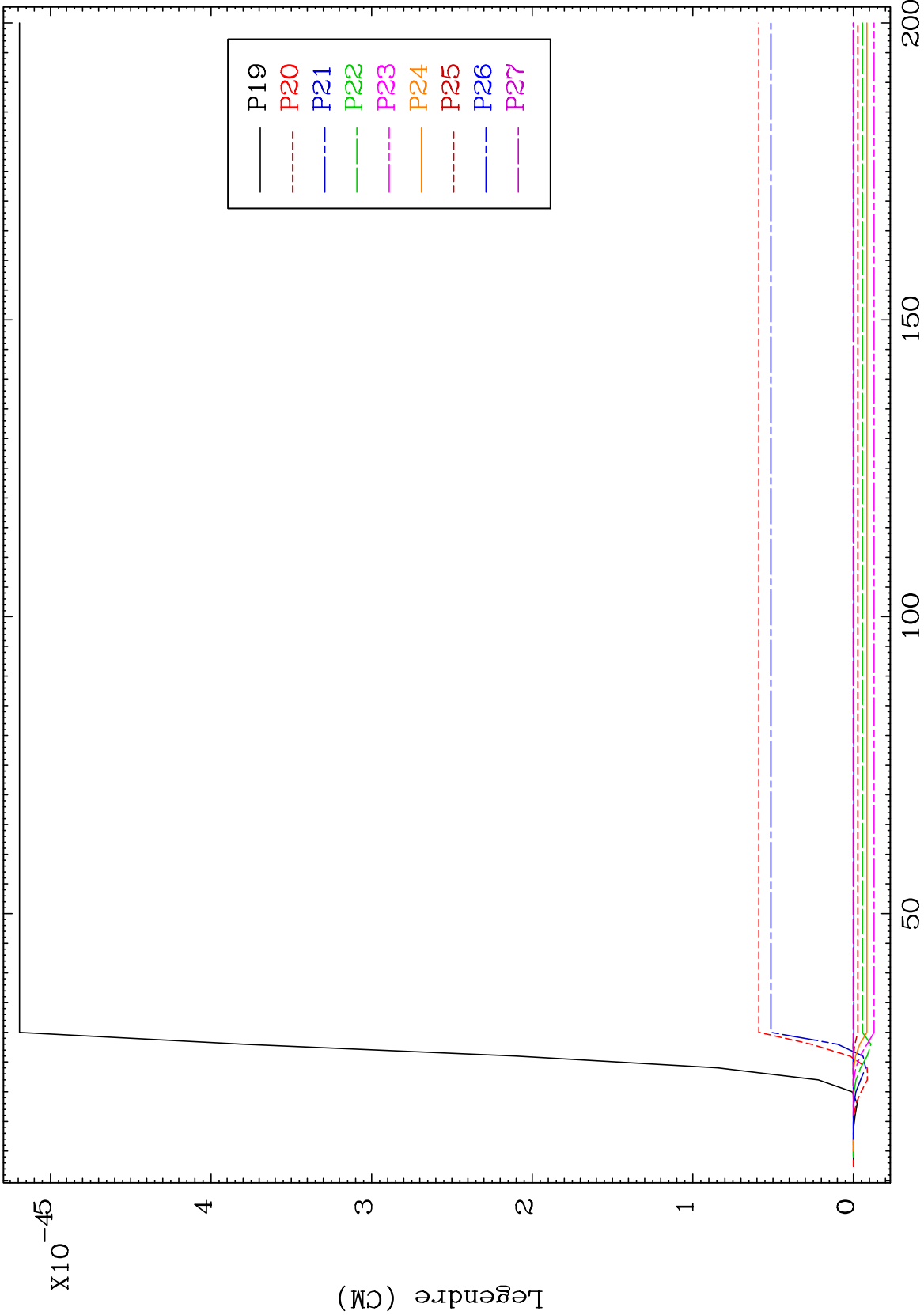
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



72

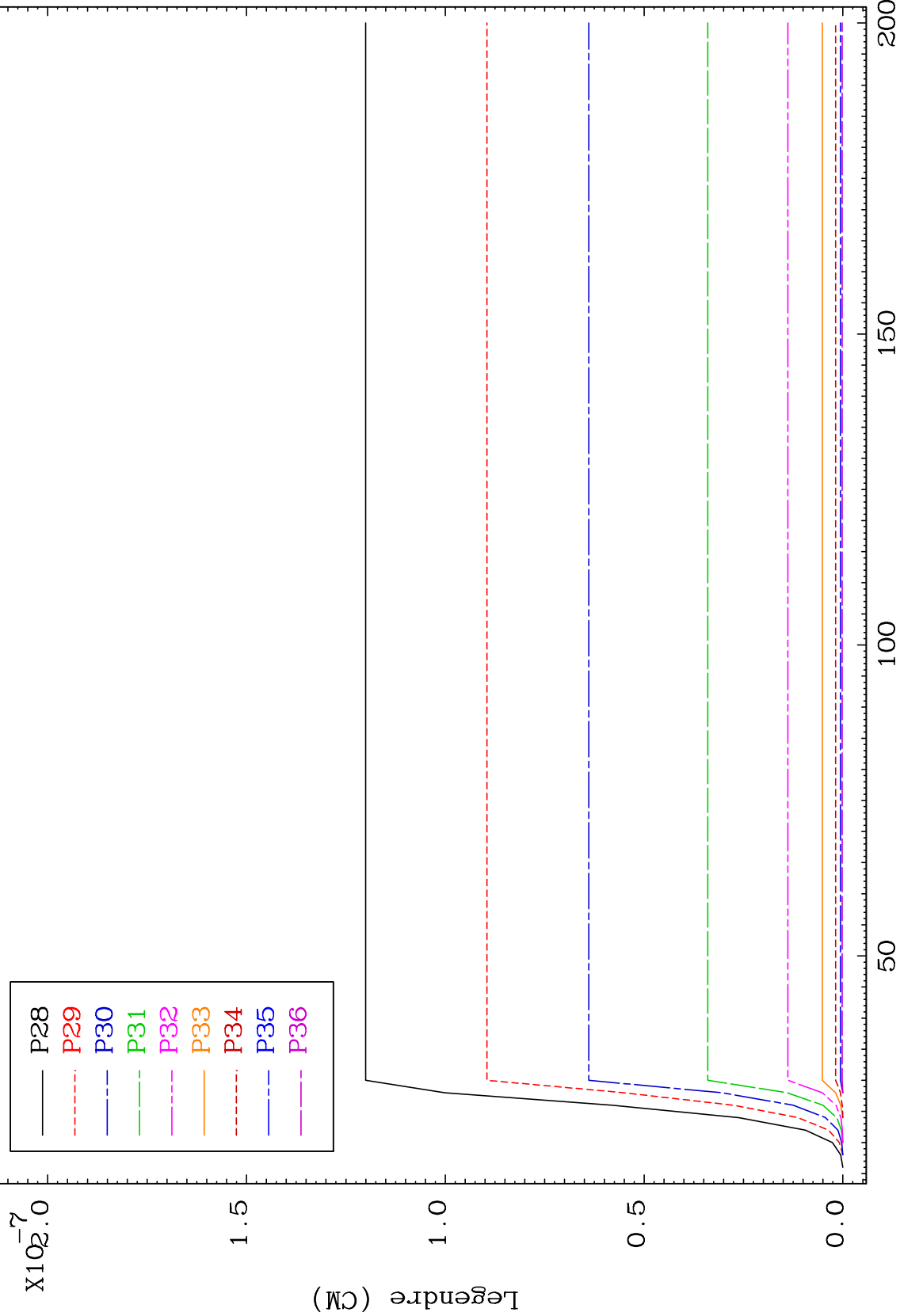
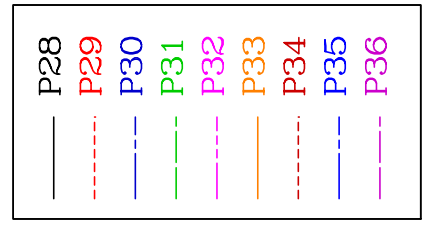
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



73

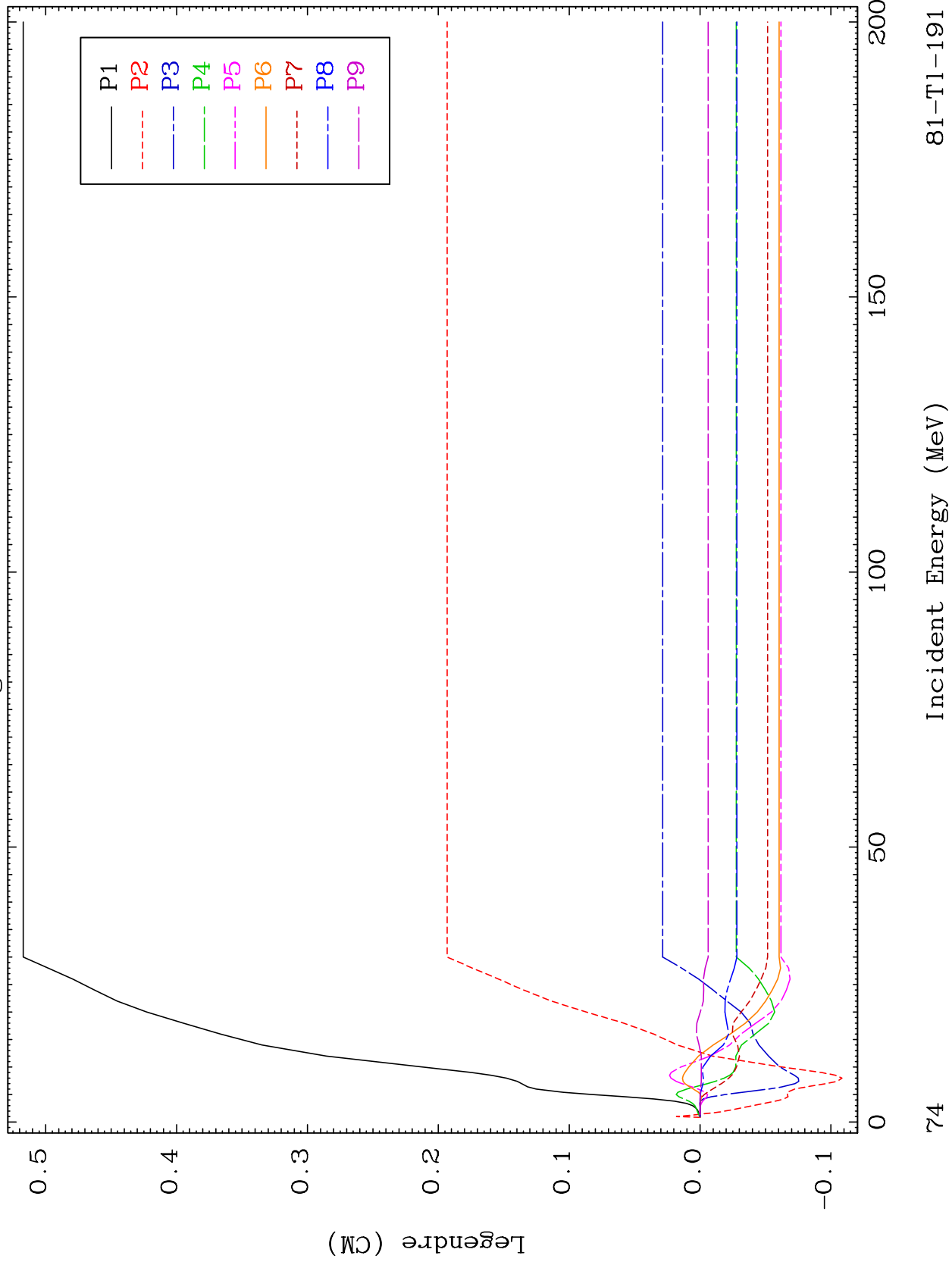
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

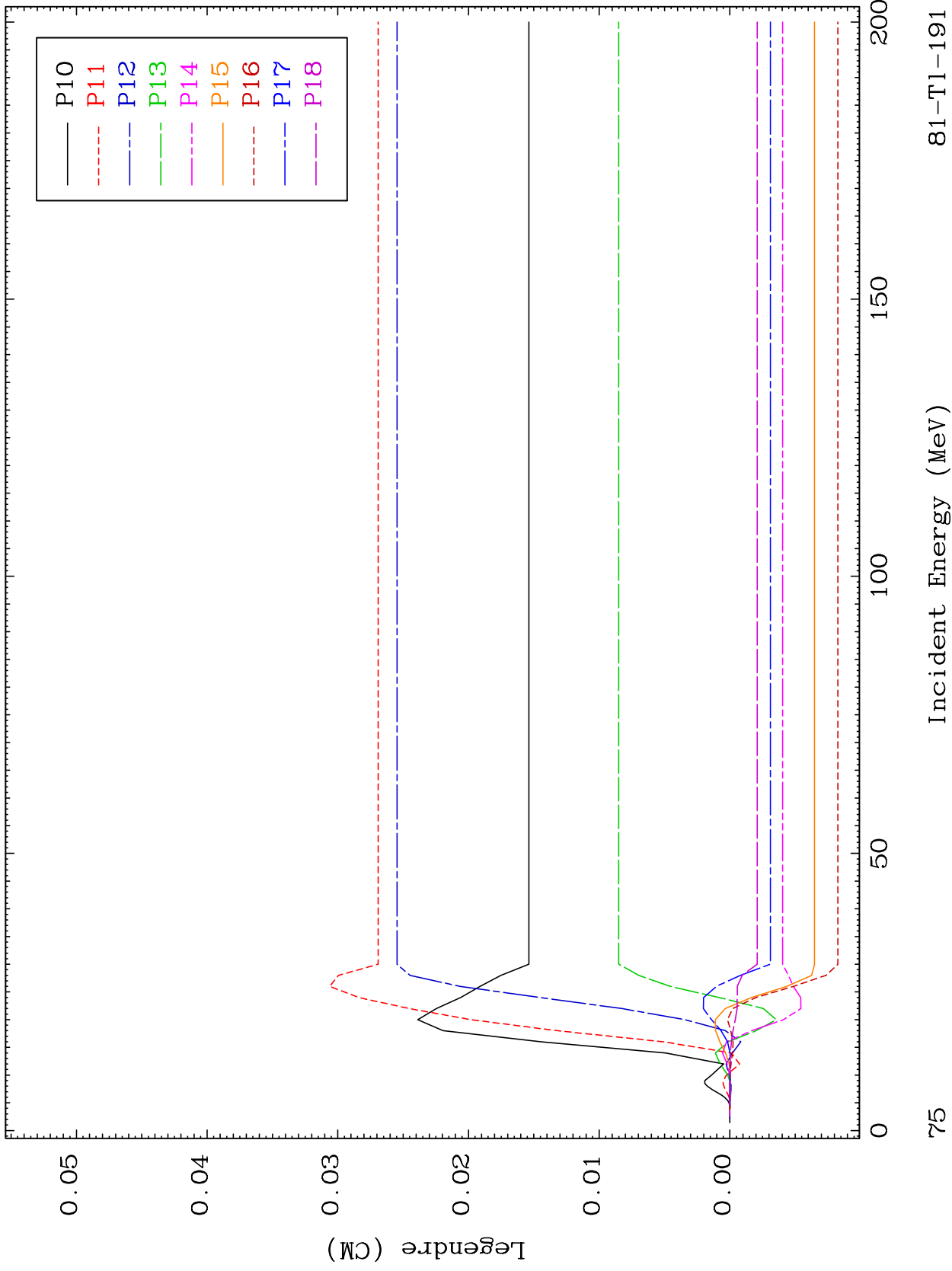
81-Tl-191



MAT 8089

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

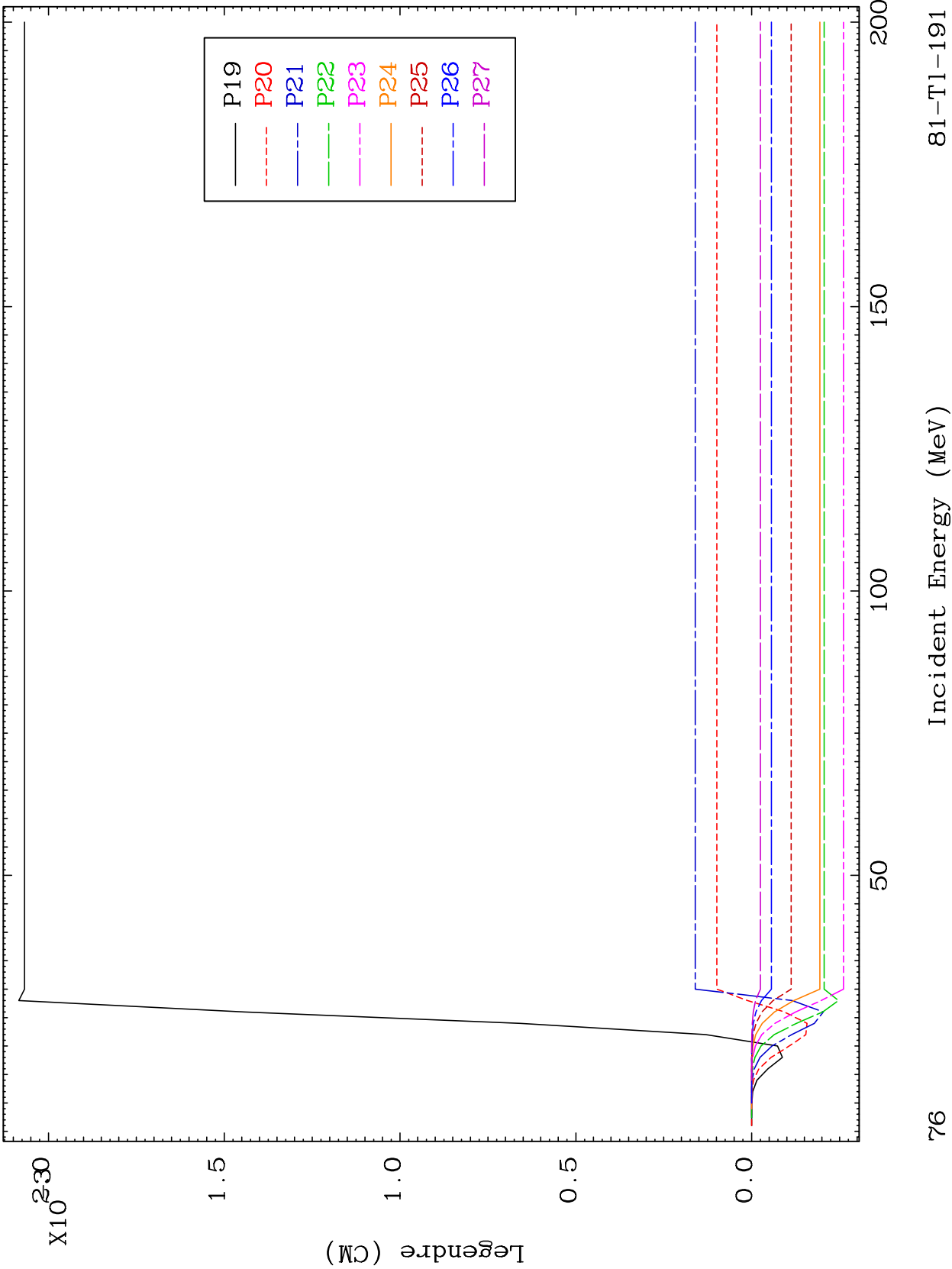
81-Tl-191



81-Tl-191

Incident Energy (MeV)

75

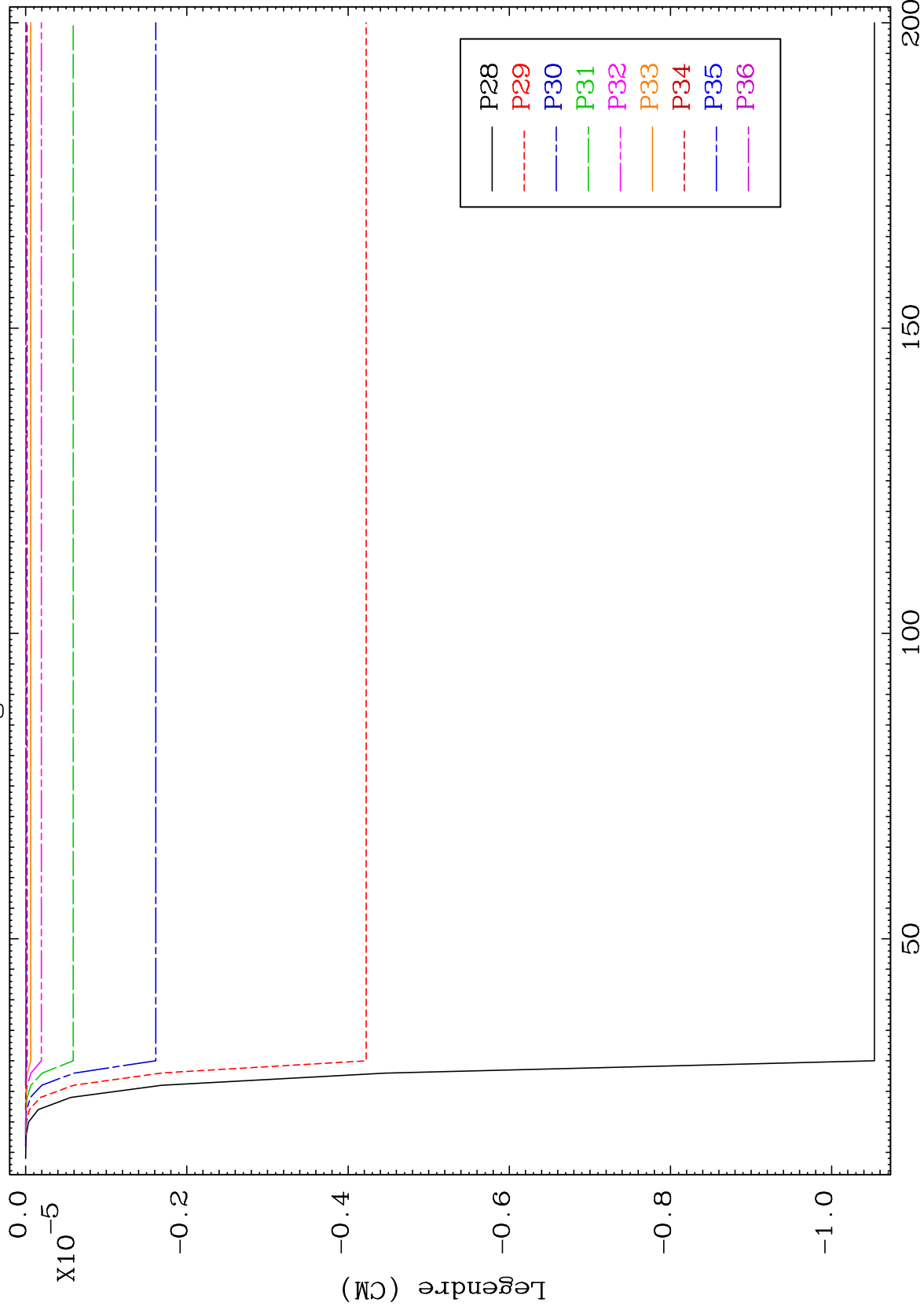


MAT 8089

MT= 64 (n,n') Level

81-Tl-191

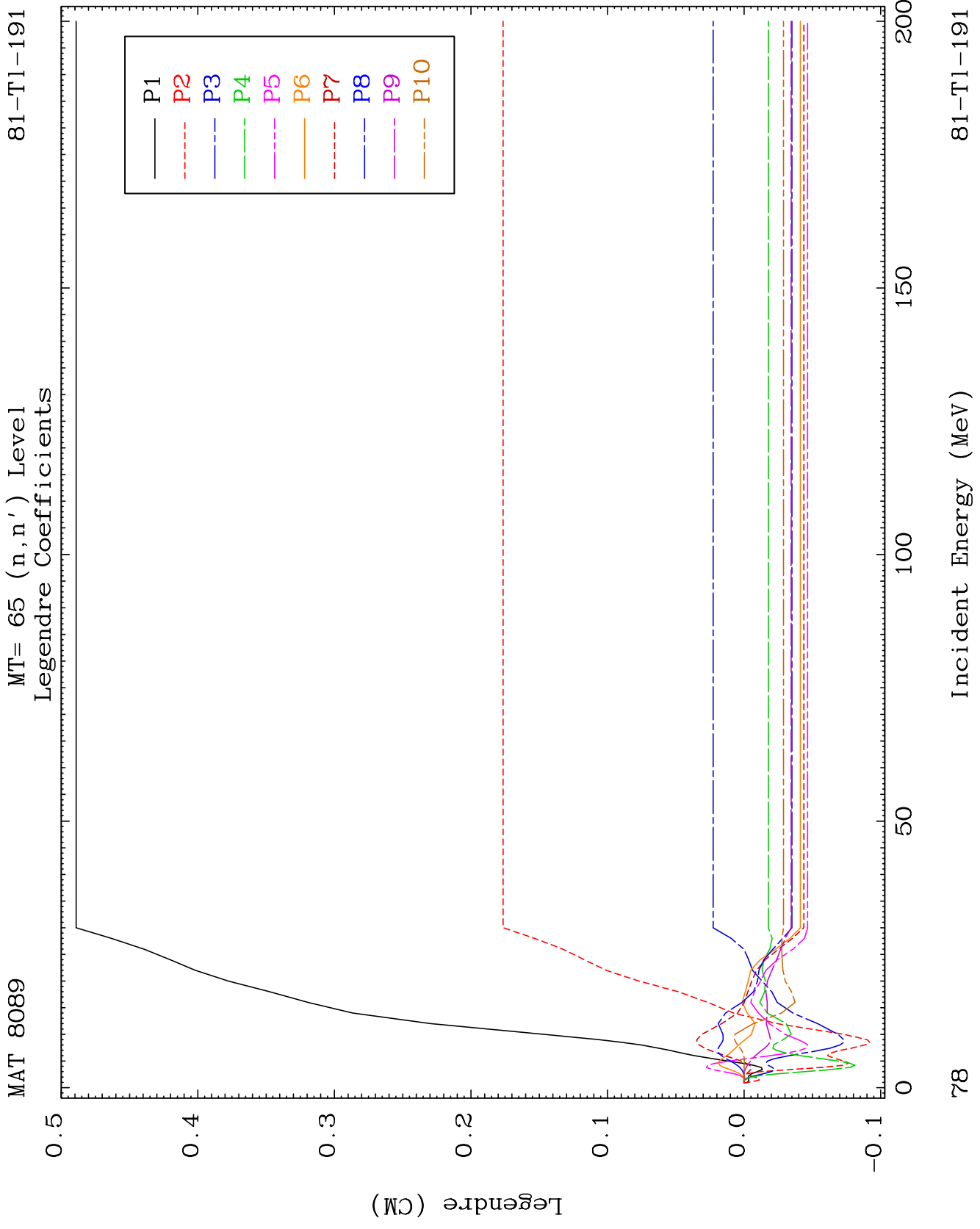
Legendre Coefficients



77

Incident Energy (MeV)

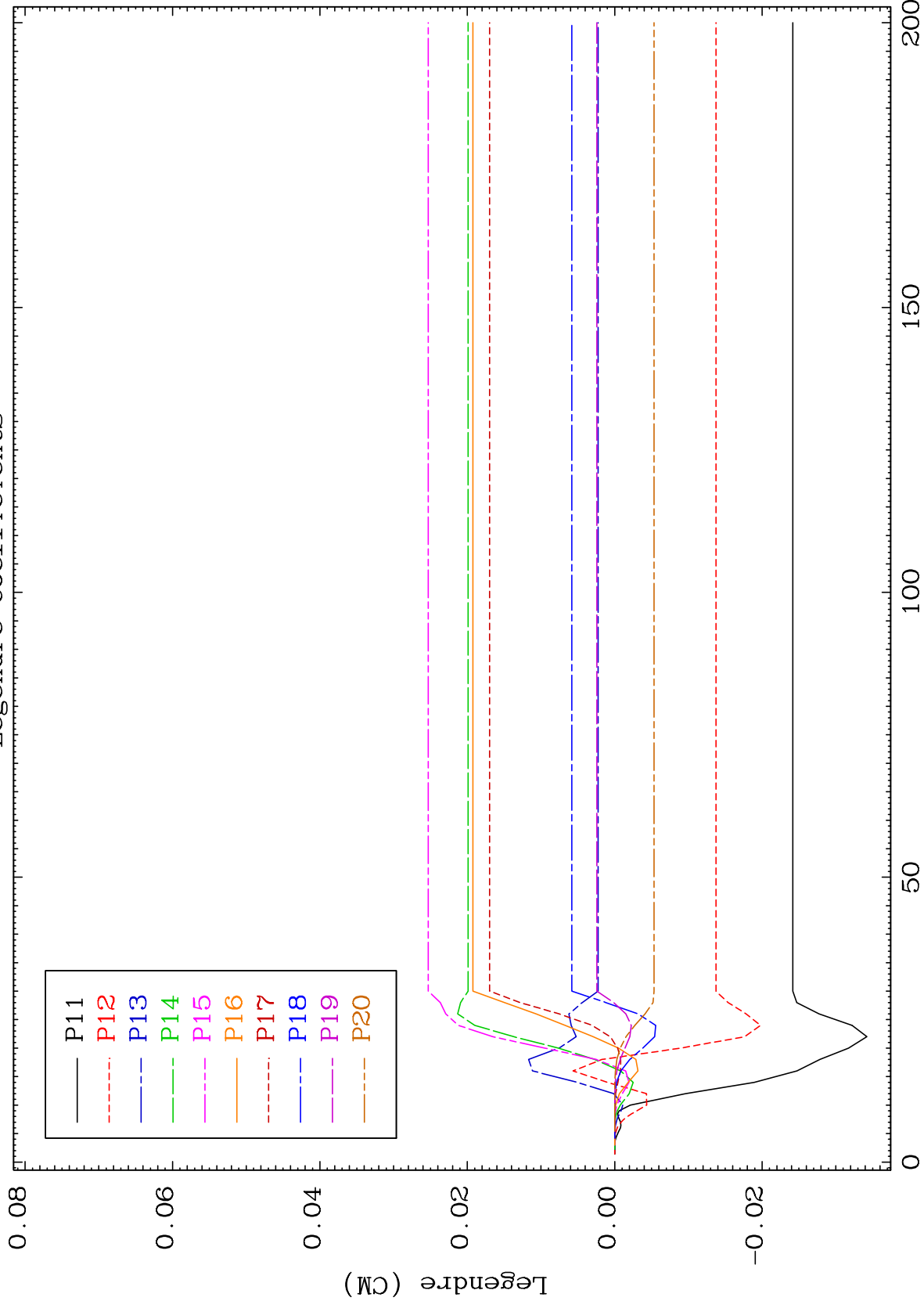
81-Tl-191



MAT 8089

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

81-Tl-191



79

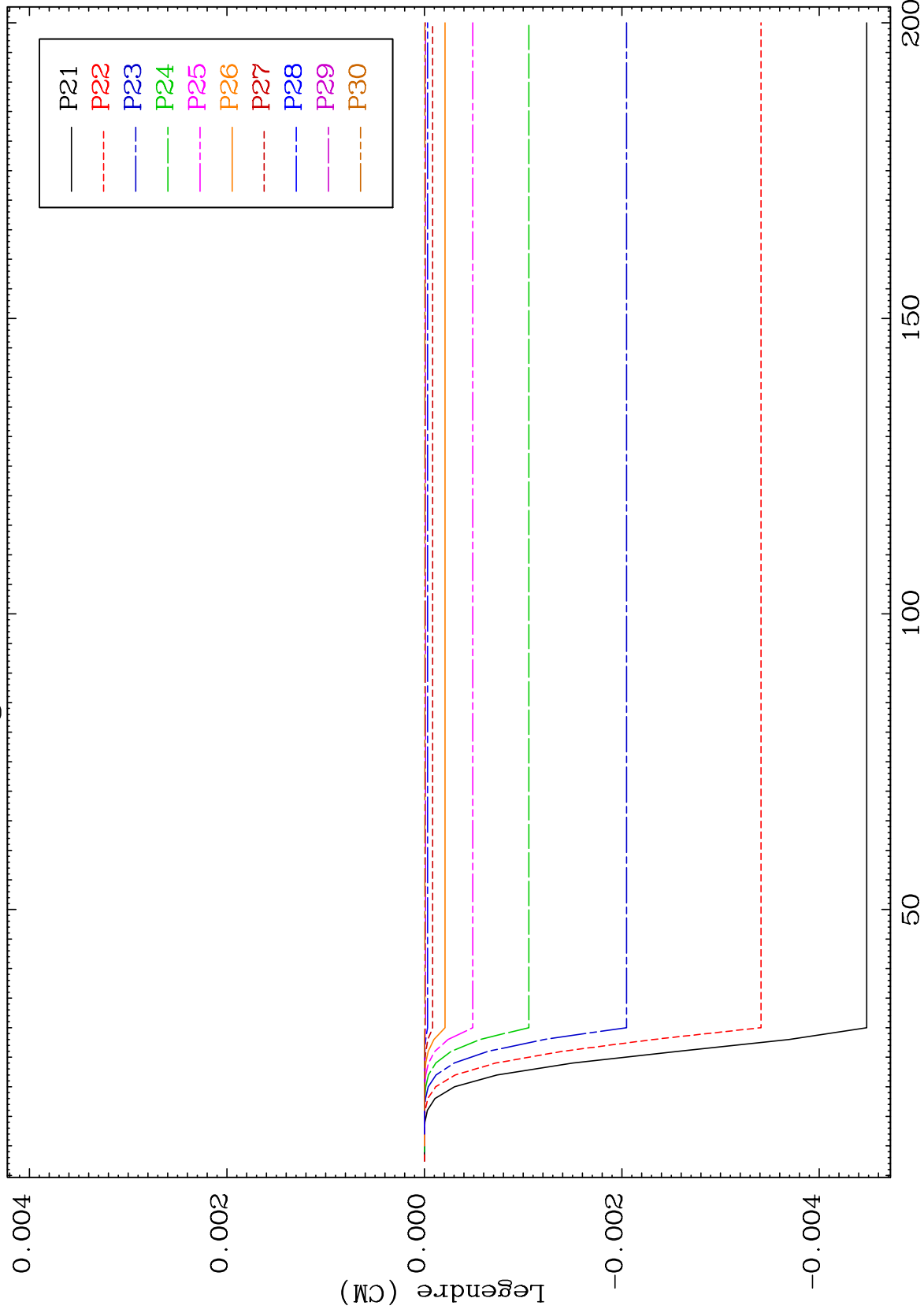
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

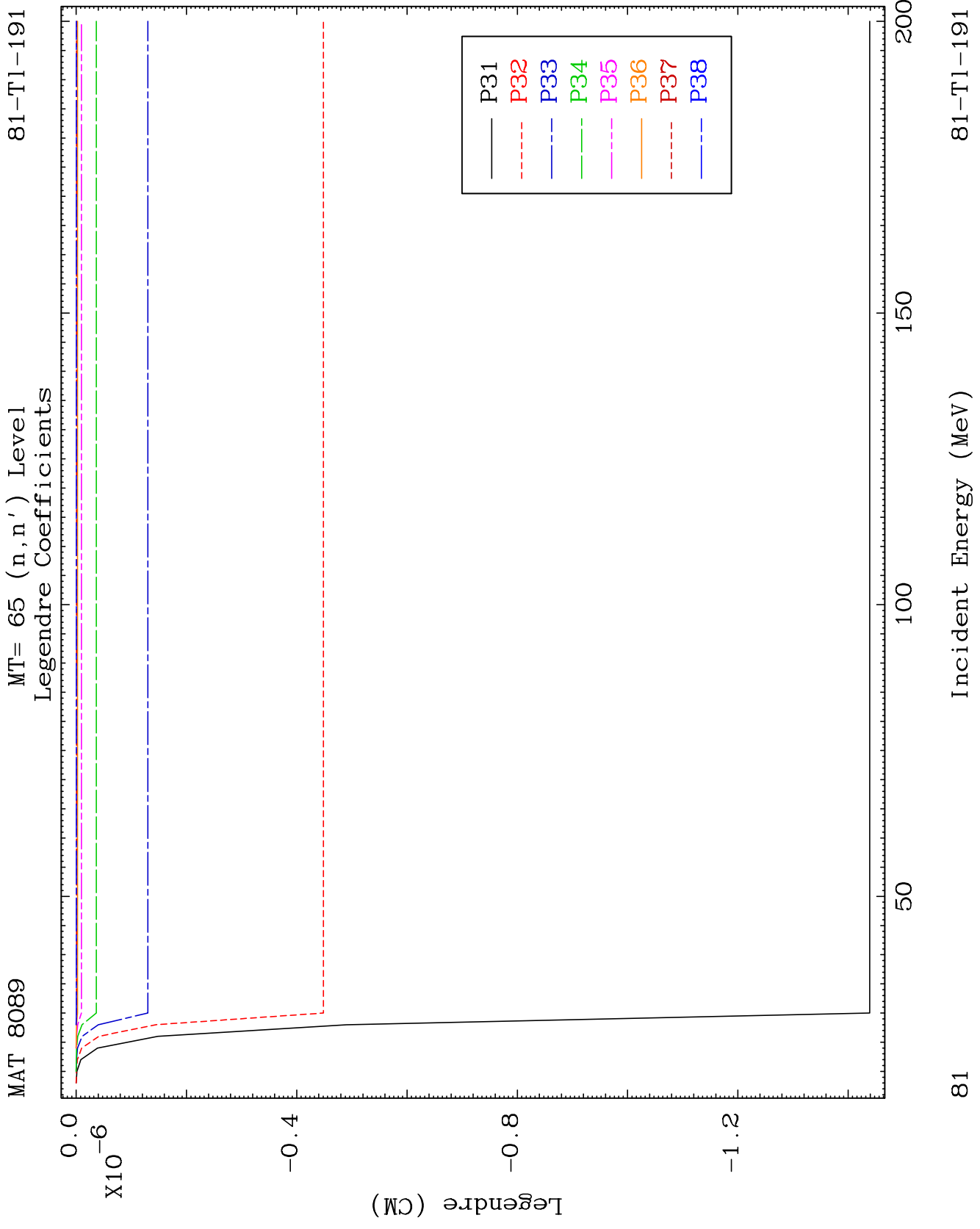
81-T1-191



80

Incident Energy (MeV)

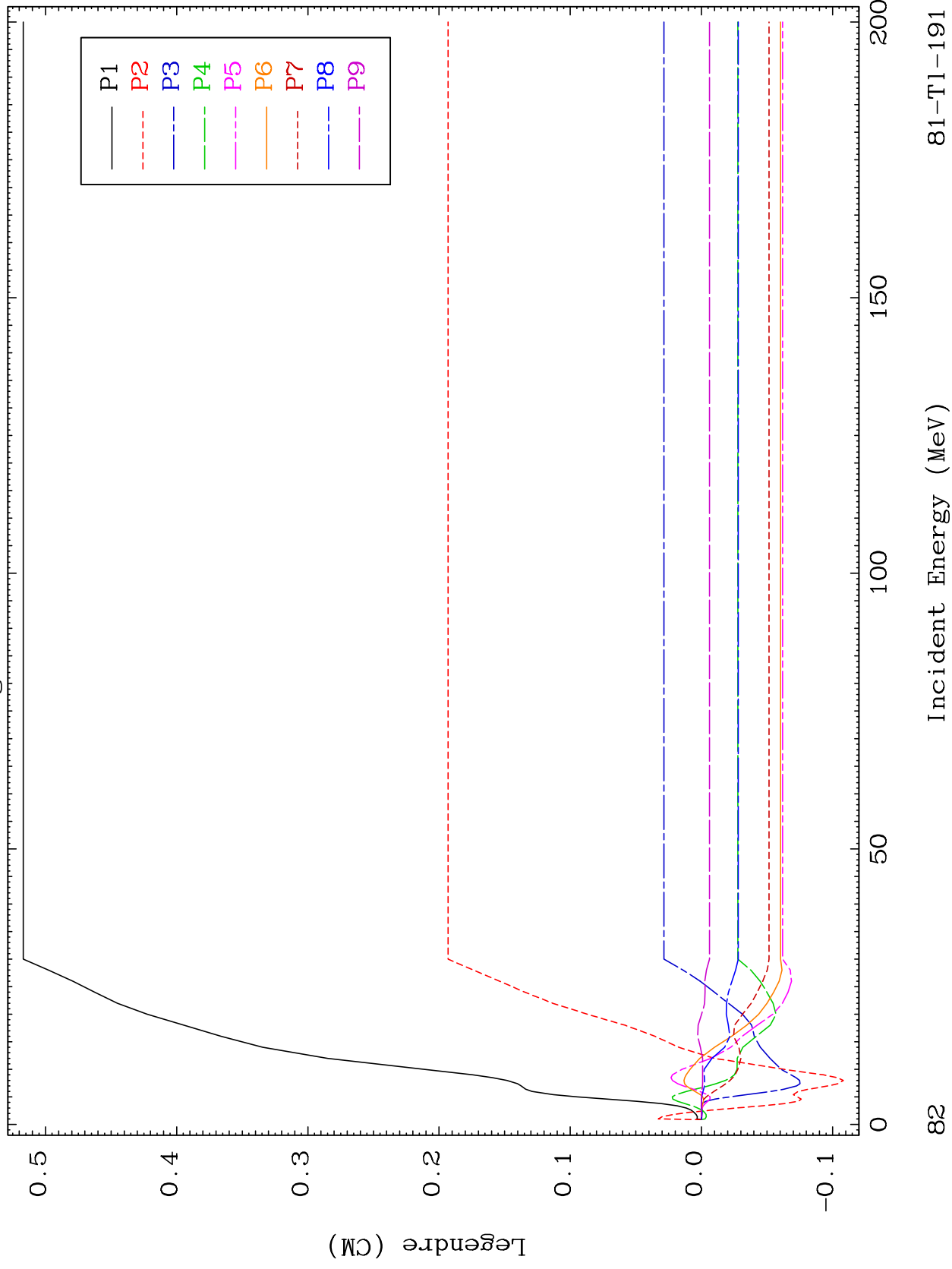
81-T1-191



MAT 8089

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

81-Tl-191



81-Tl-191

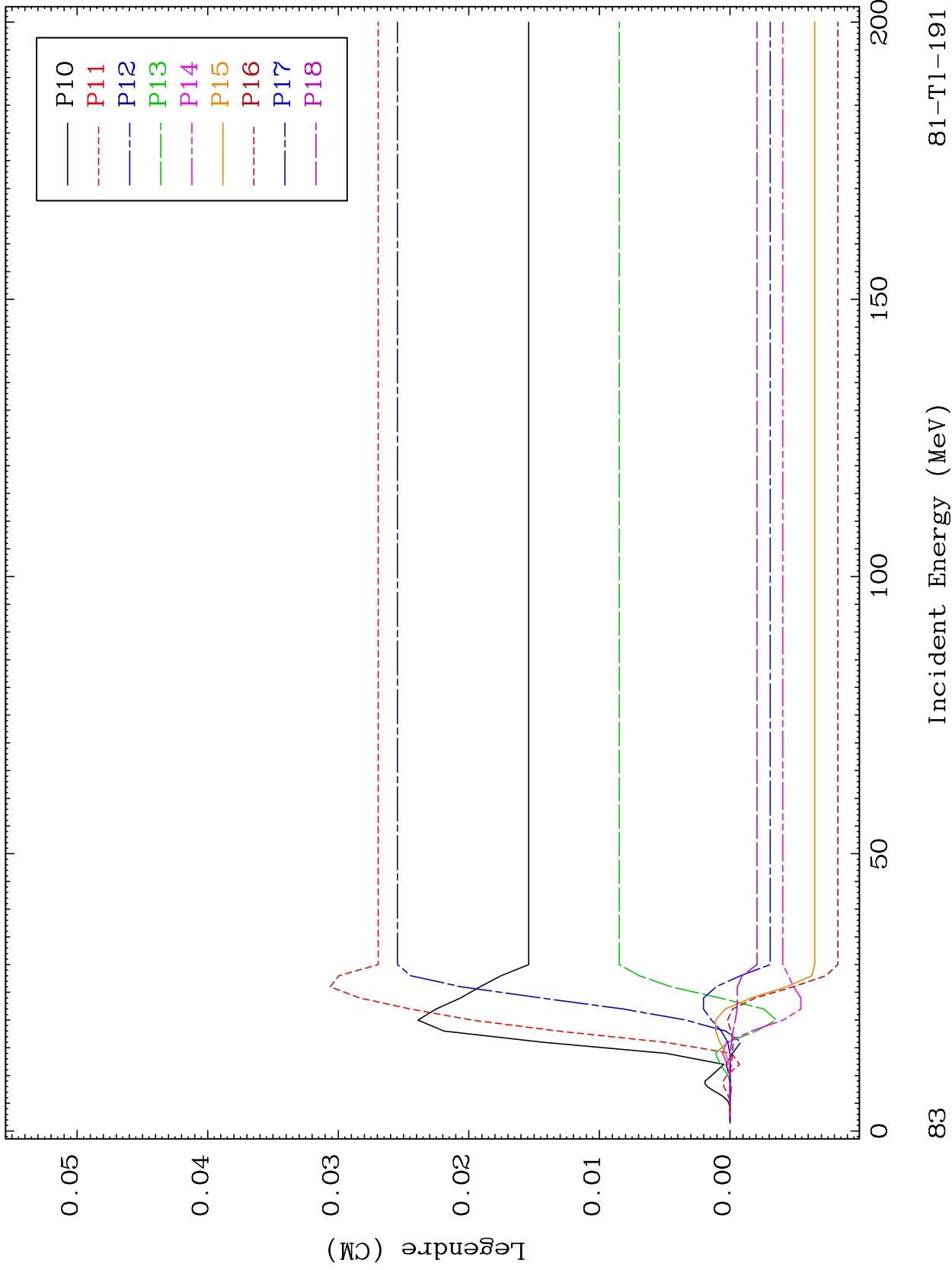
Incident Energy (MeV)

82

MAT 8089

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

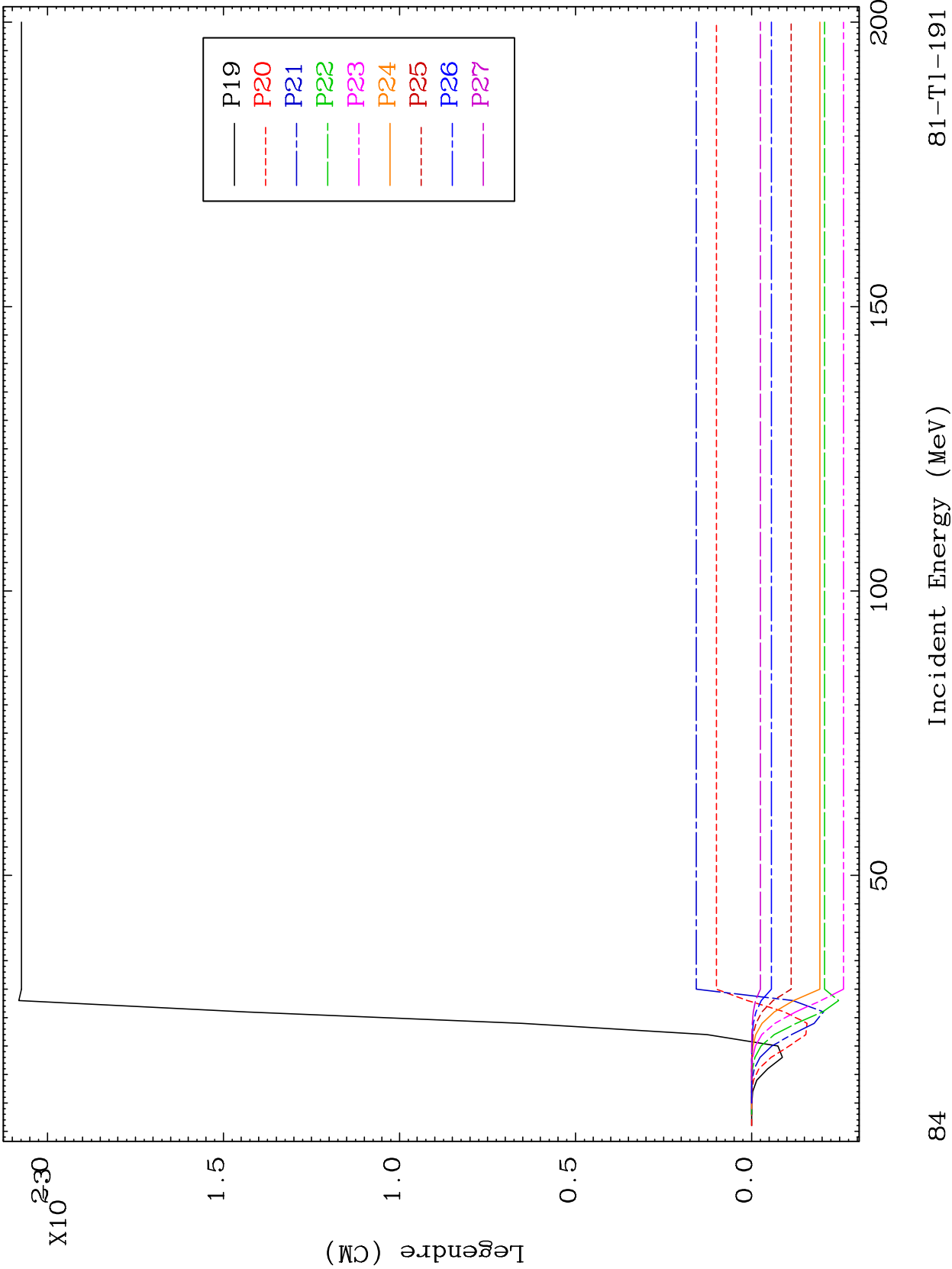
81-Tl-191

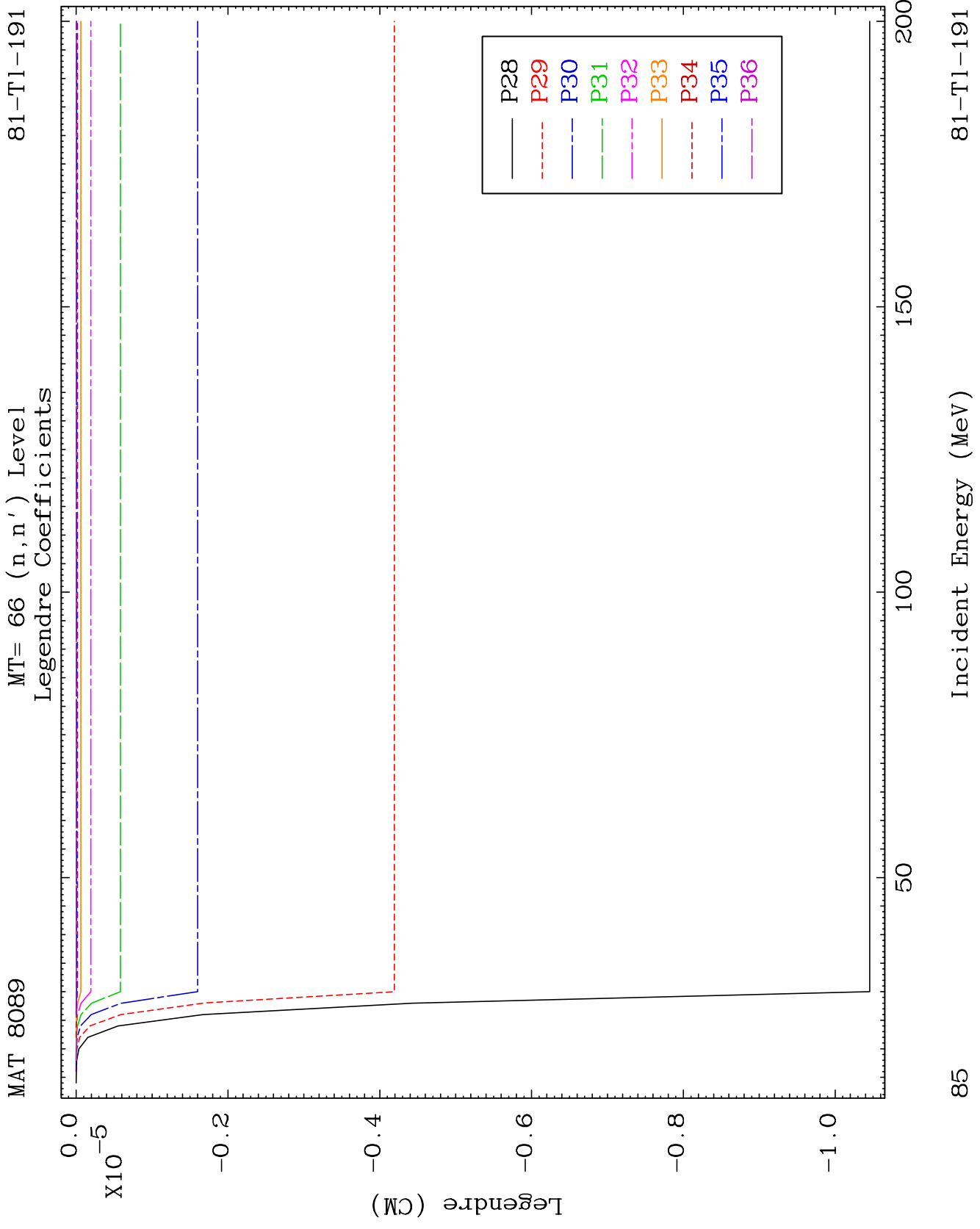


83

Incident Energy (MeV)

81-Tl-191

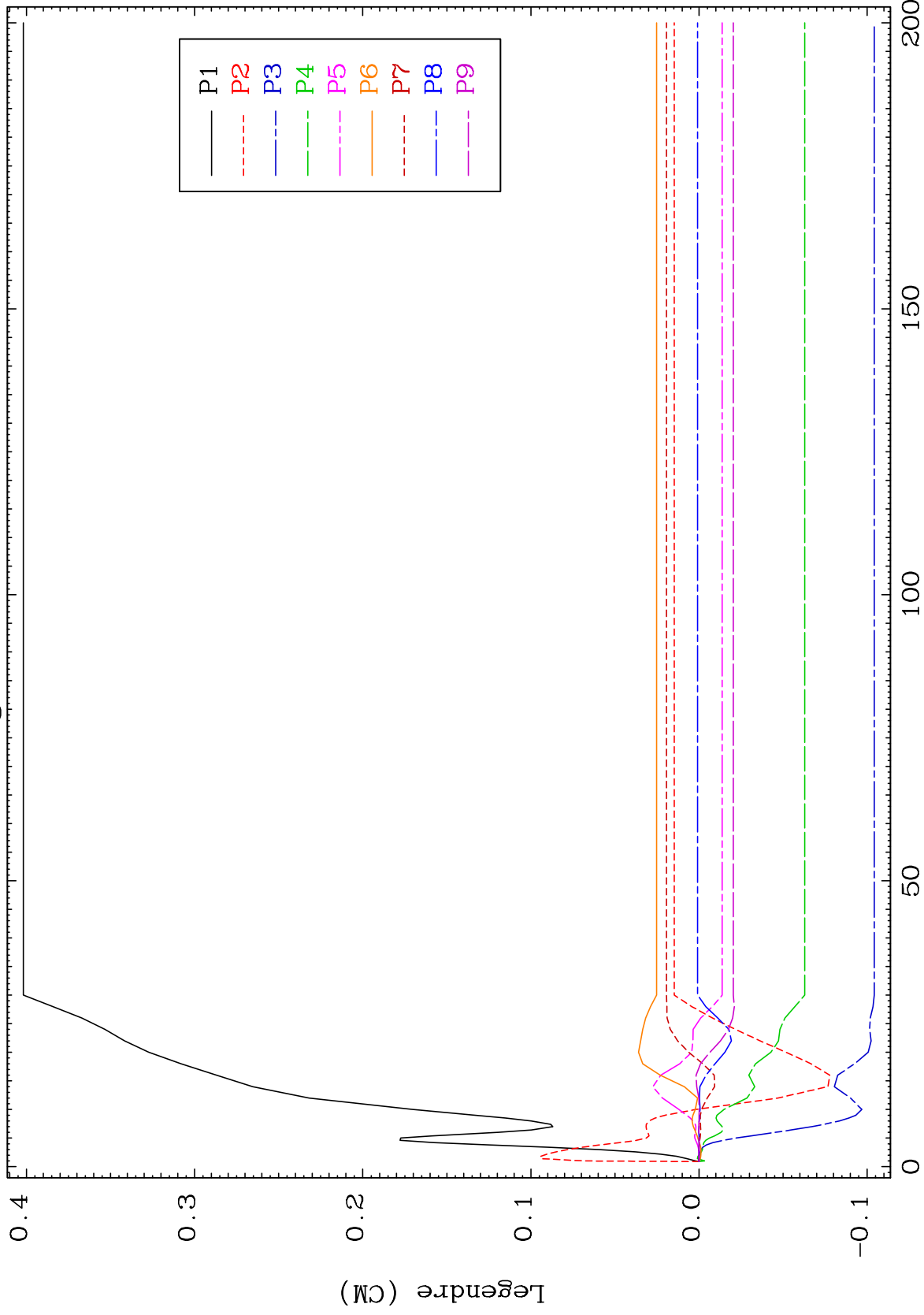




MAT 8089

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

81-T1-191



86

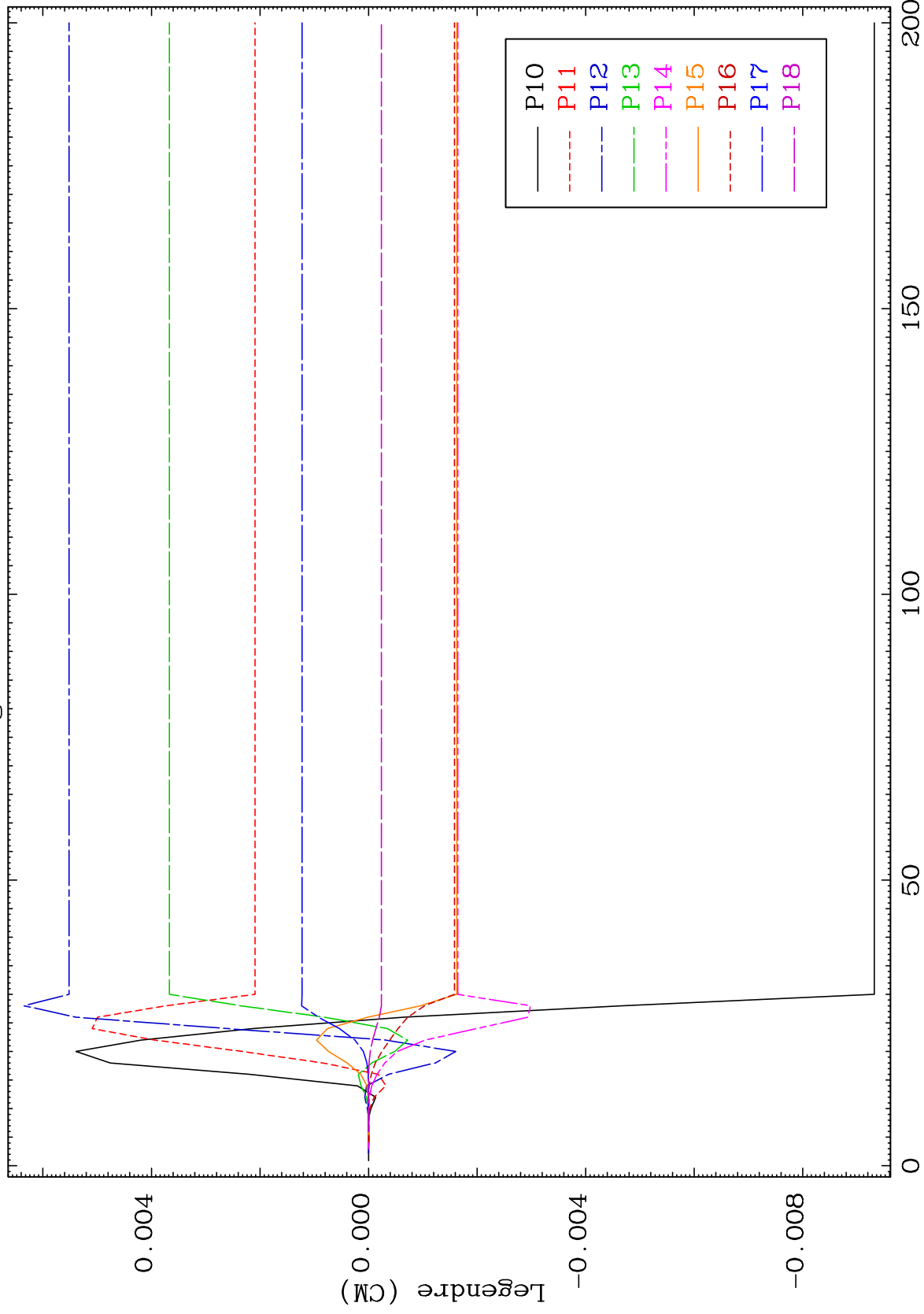
Incident Energy (MeV)

81-T1-191

MAT 8089

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

81-Tl-191



87

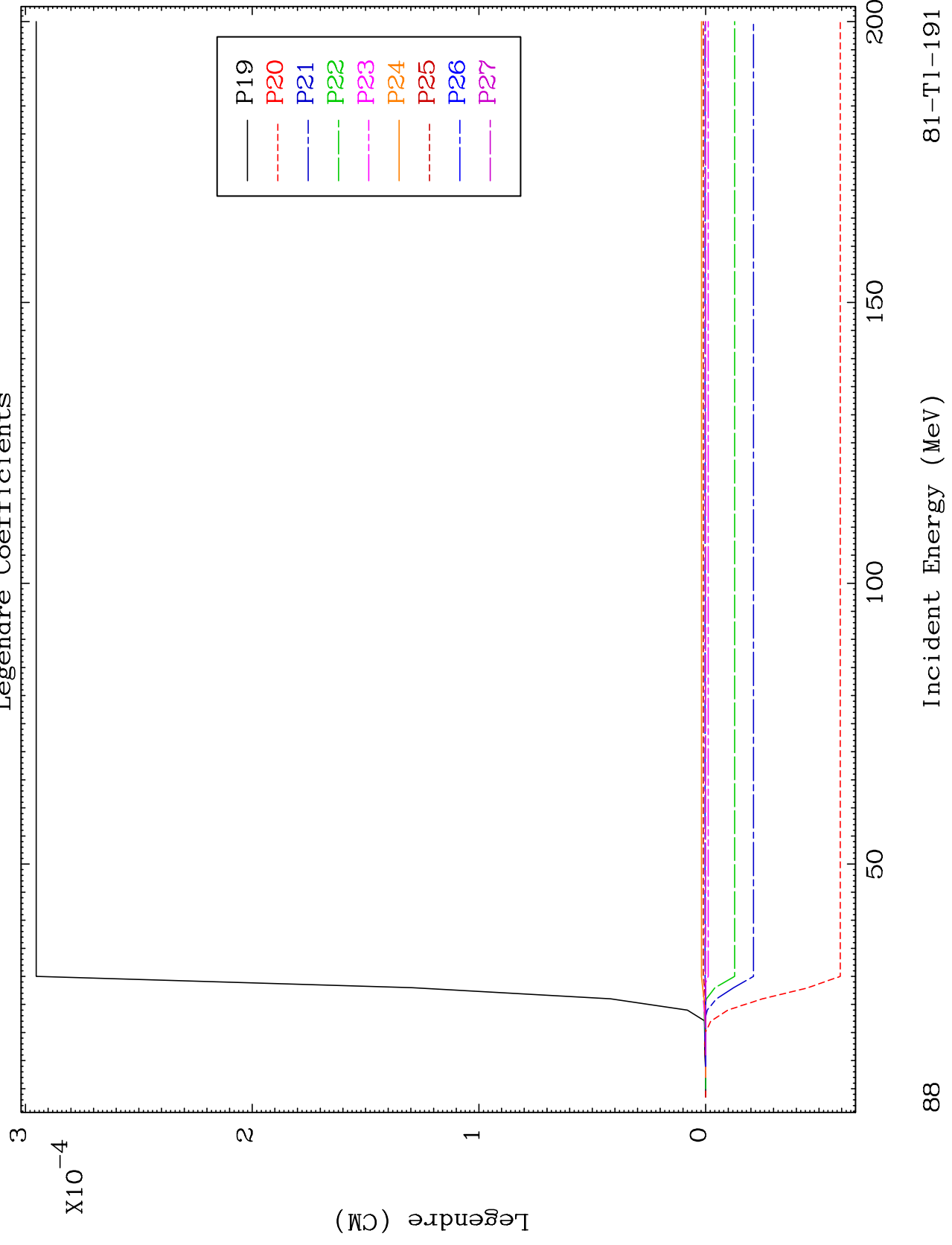
Incident Energy (MeV)

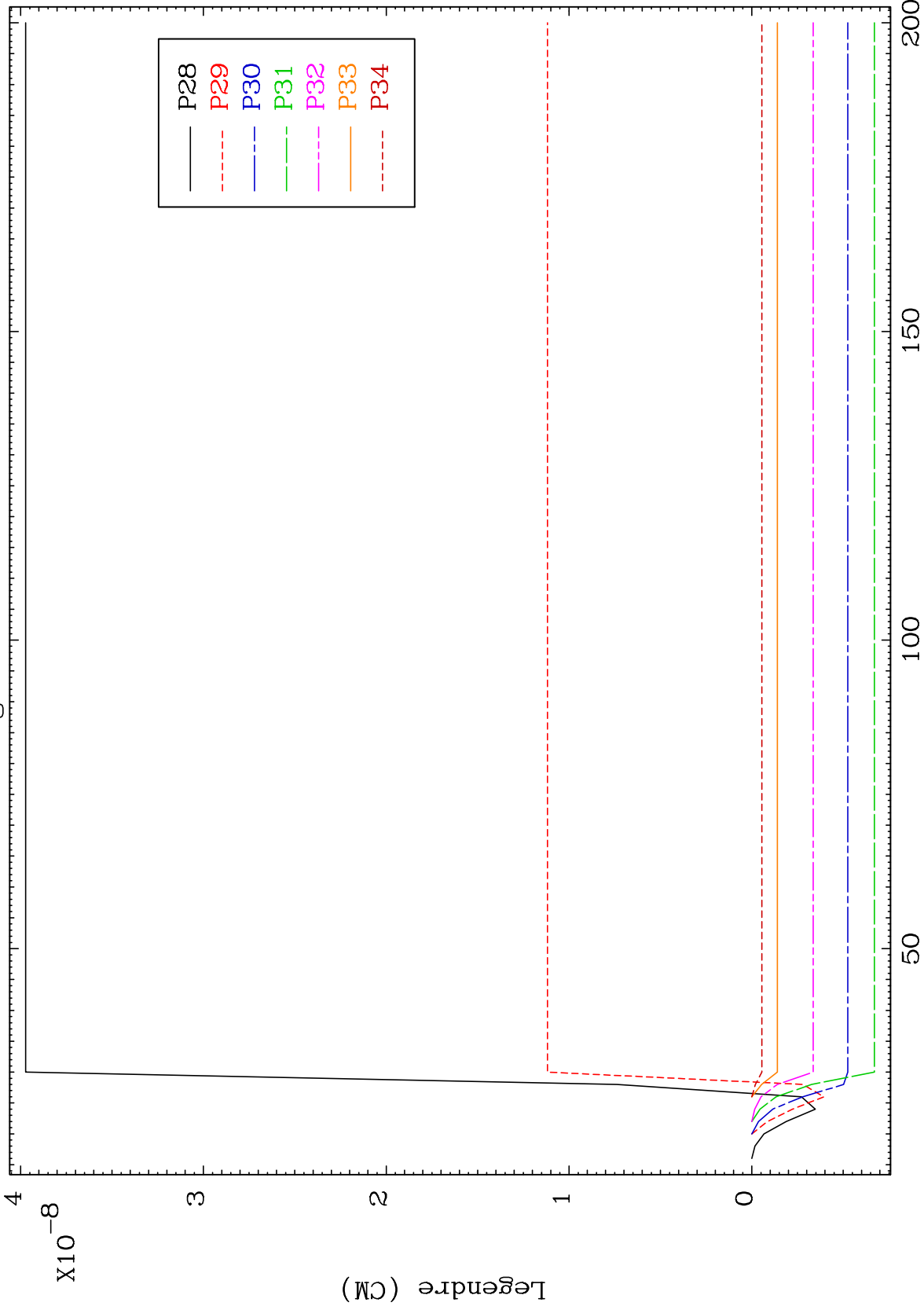
81-Tl-191

MAT 8089

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

81-Tl-191

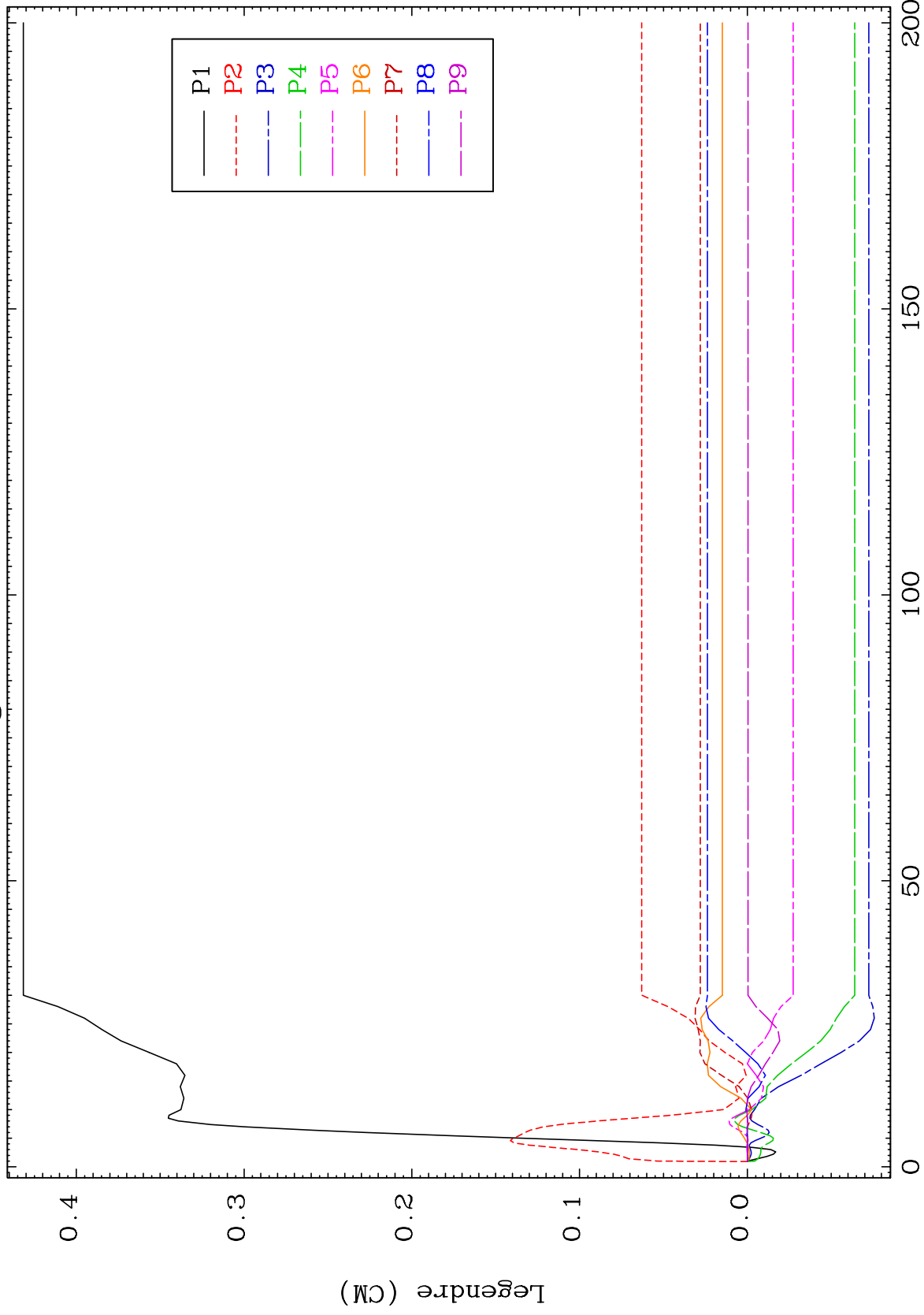




MAT 8089

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

81-Tl-191



81-Tl-191

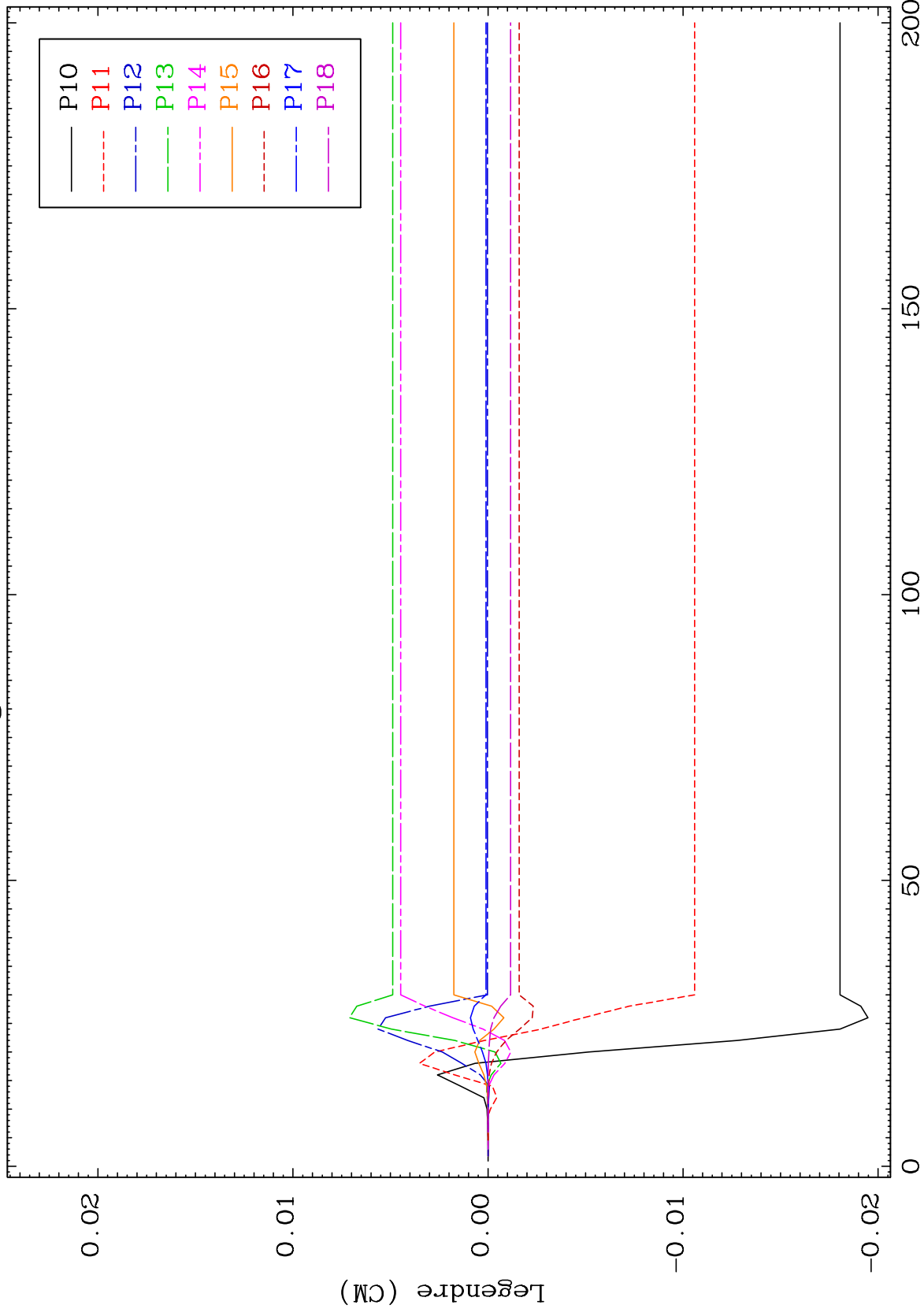
Incident Energy (MeV)

90

MAT 8089

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

81-Tl-191



91

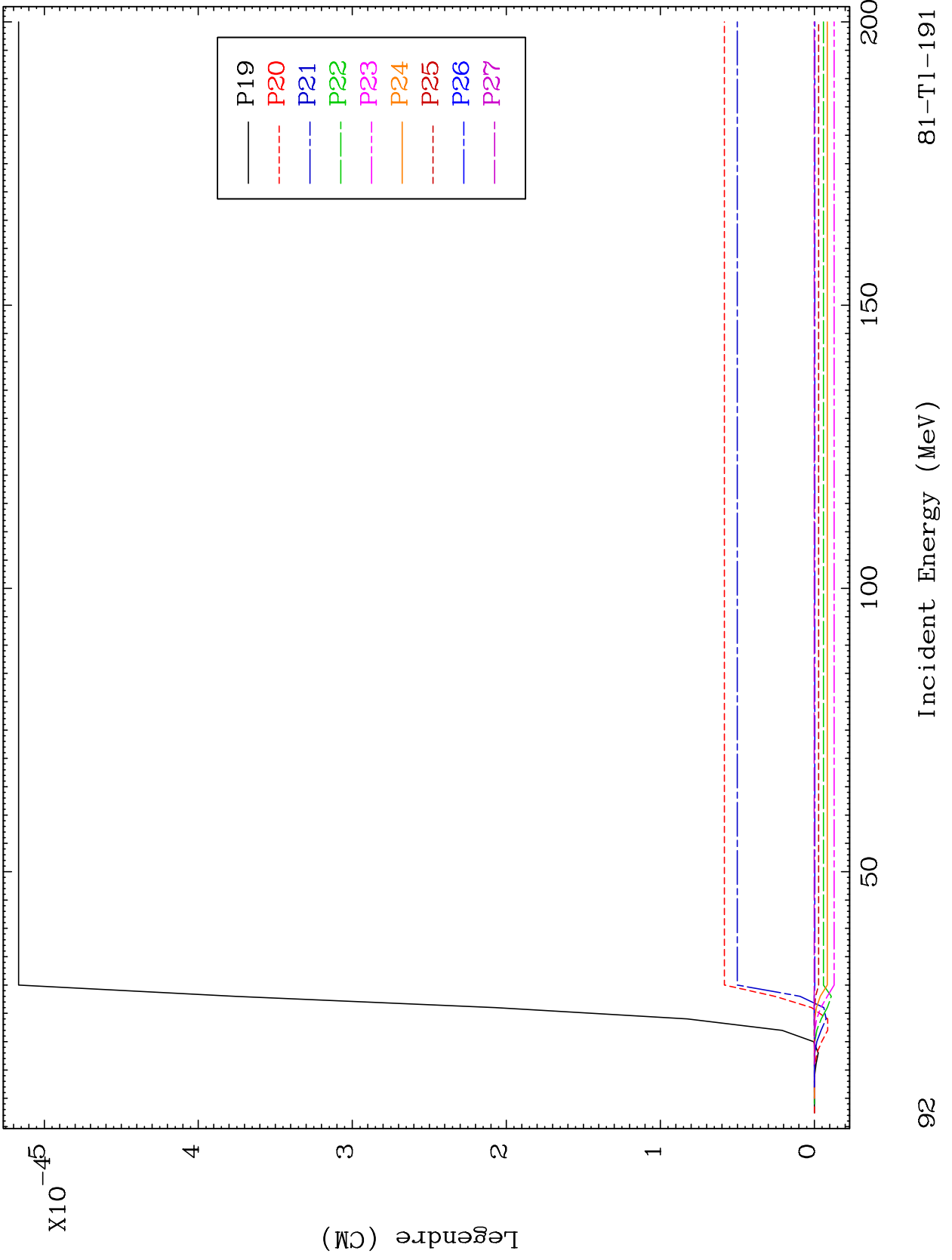
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



92

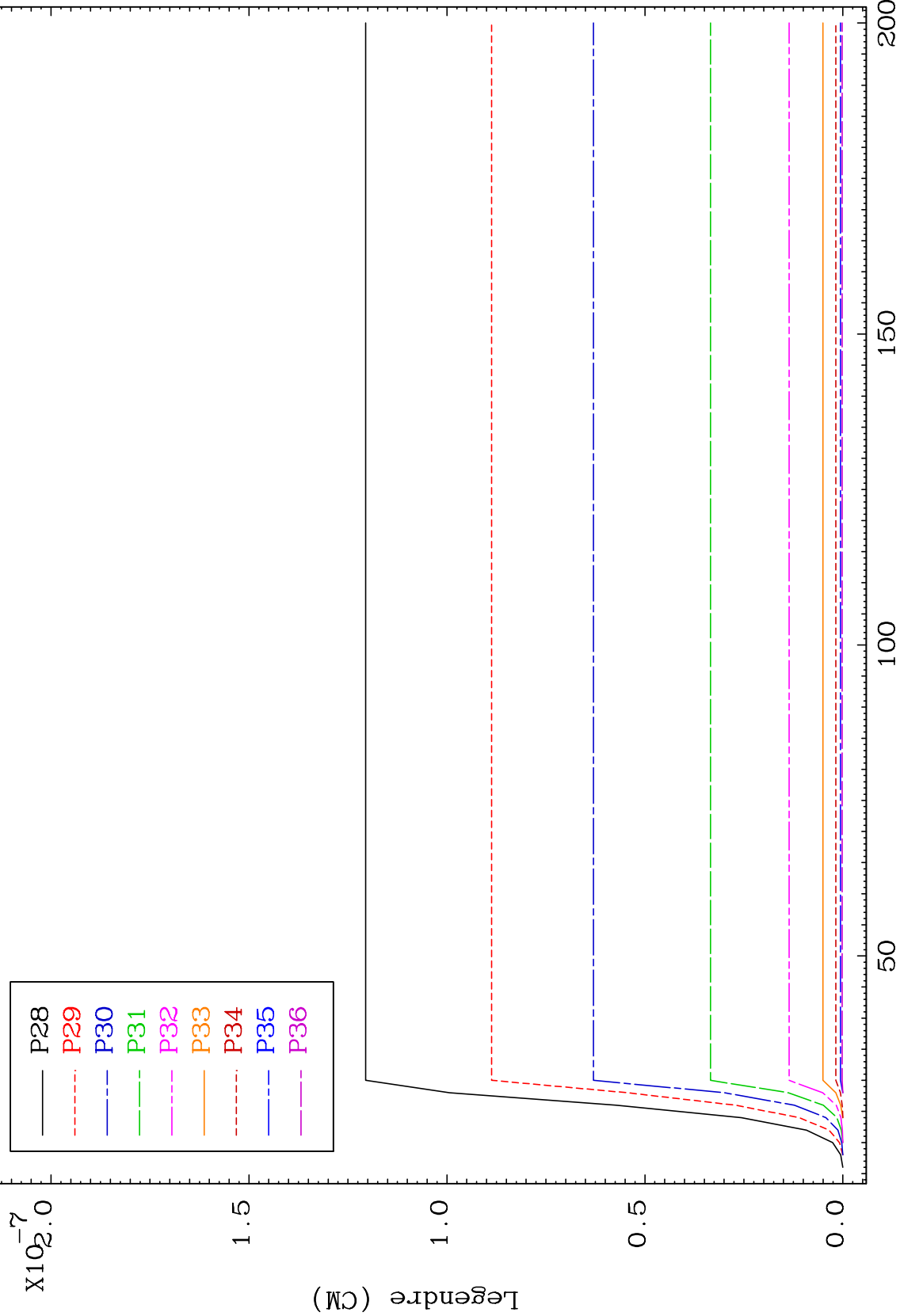
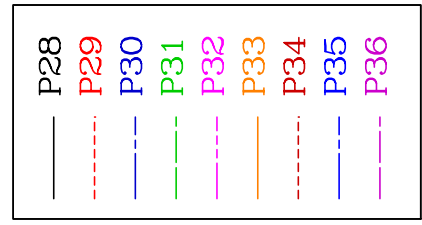
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



93

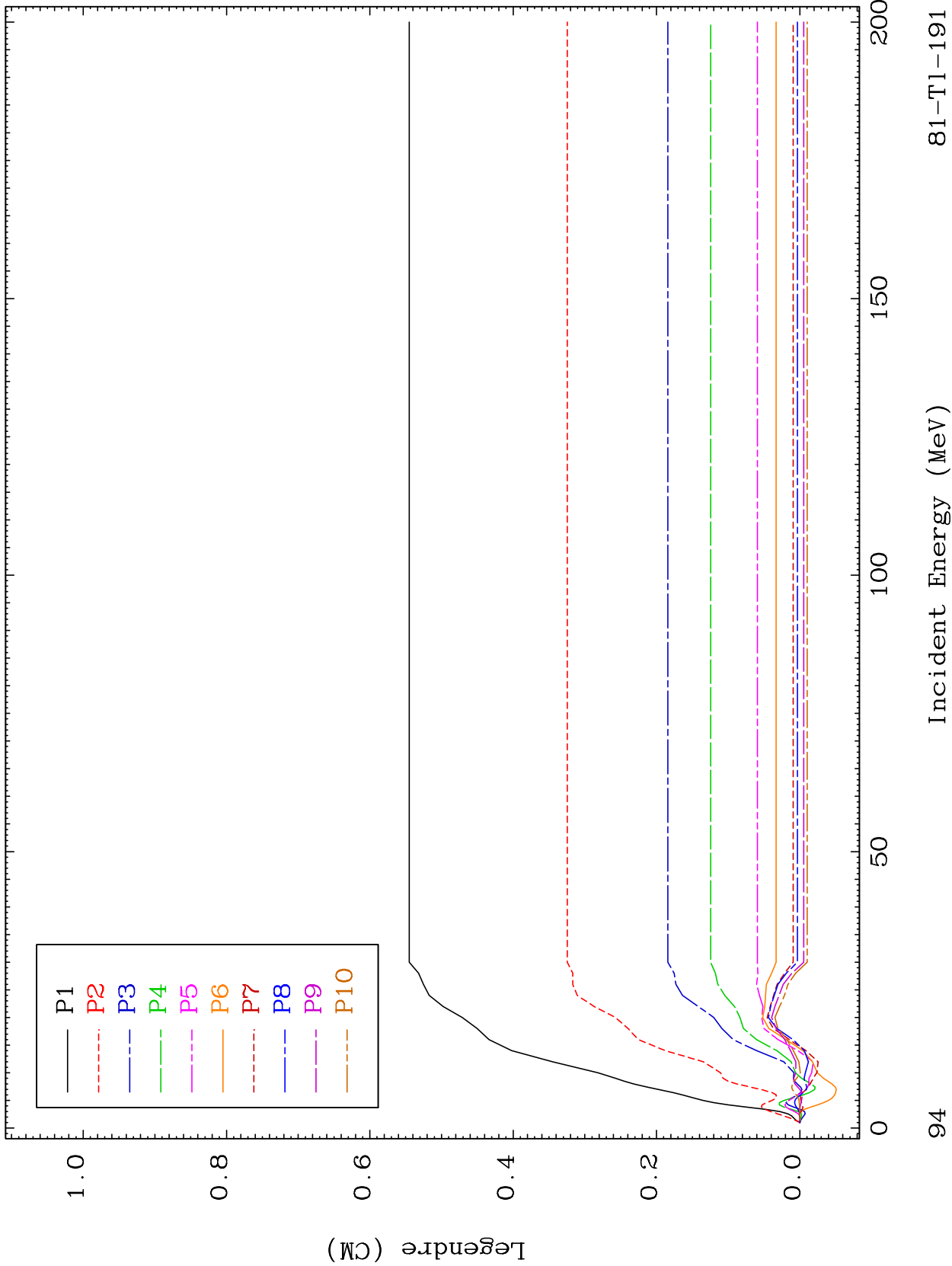
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191

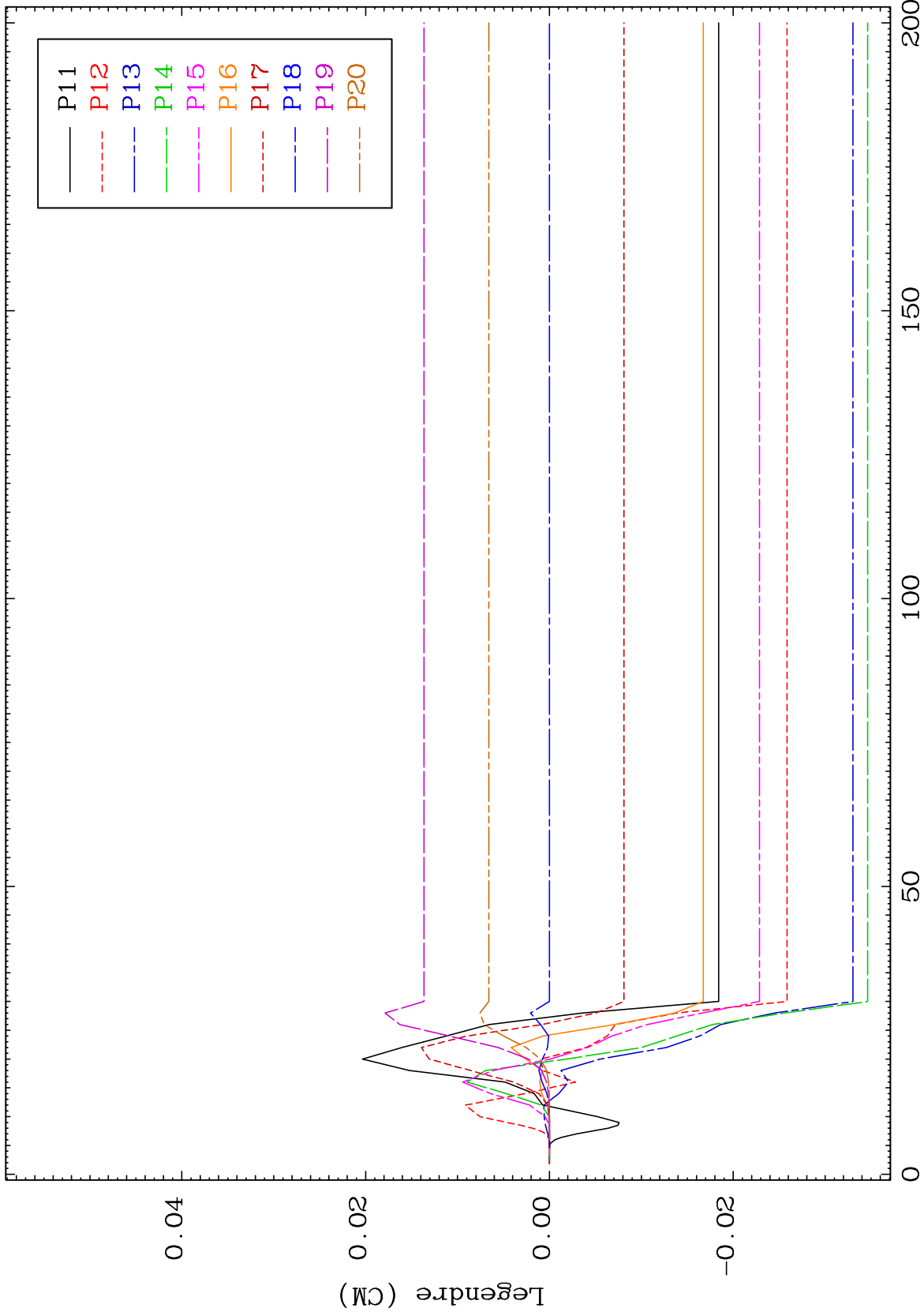


94

MAT 8089

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

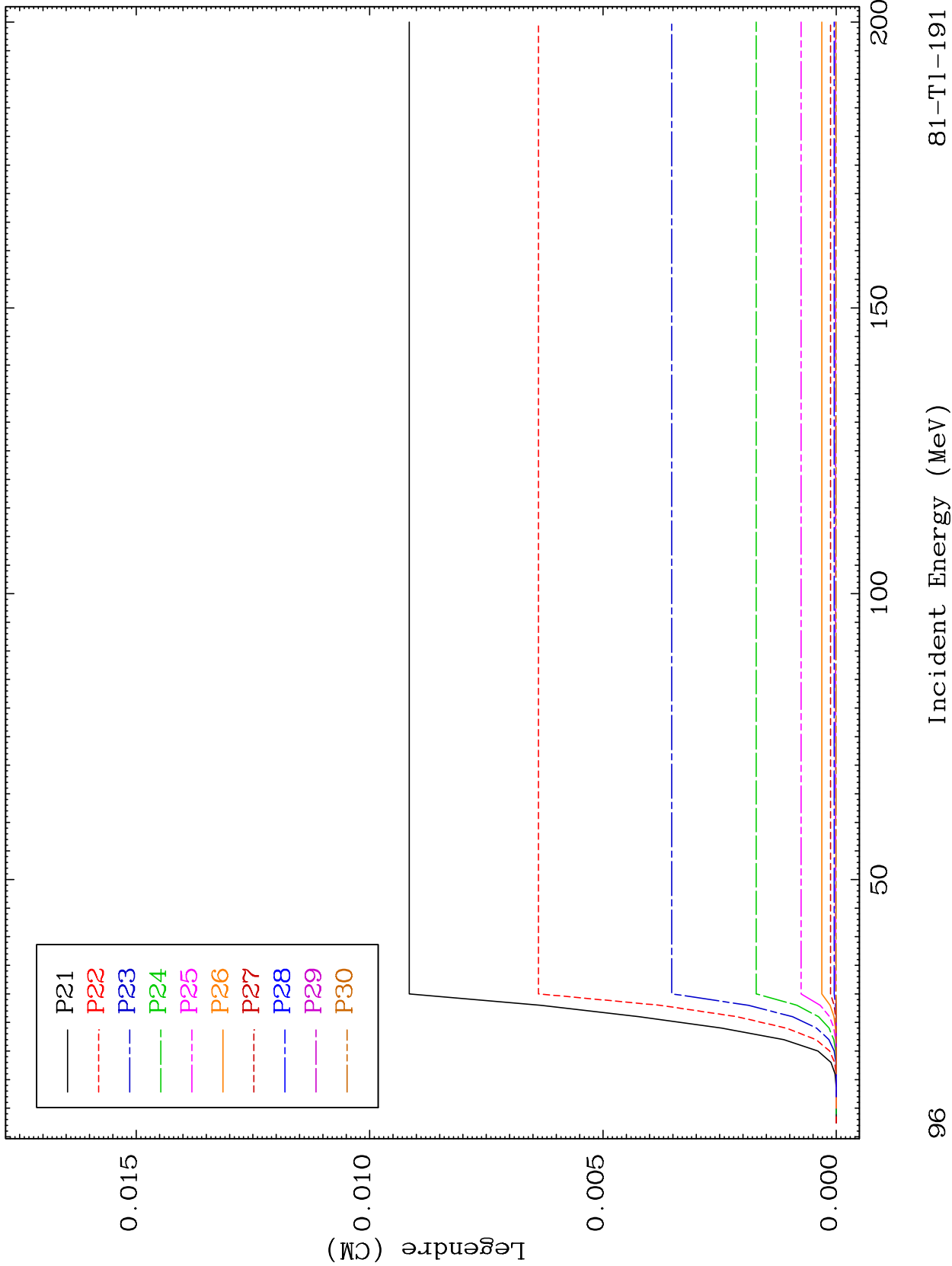
81-Tl-191



95

Incident Energy (MeV)

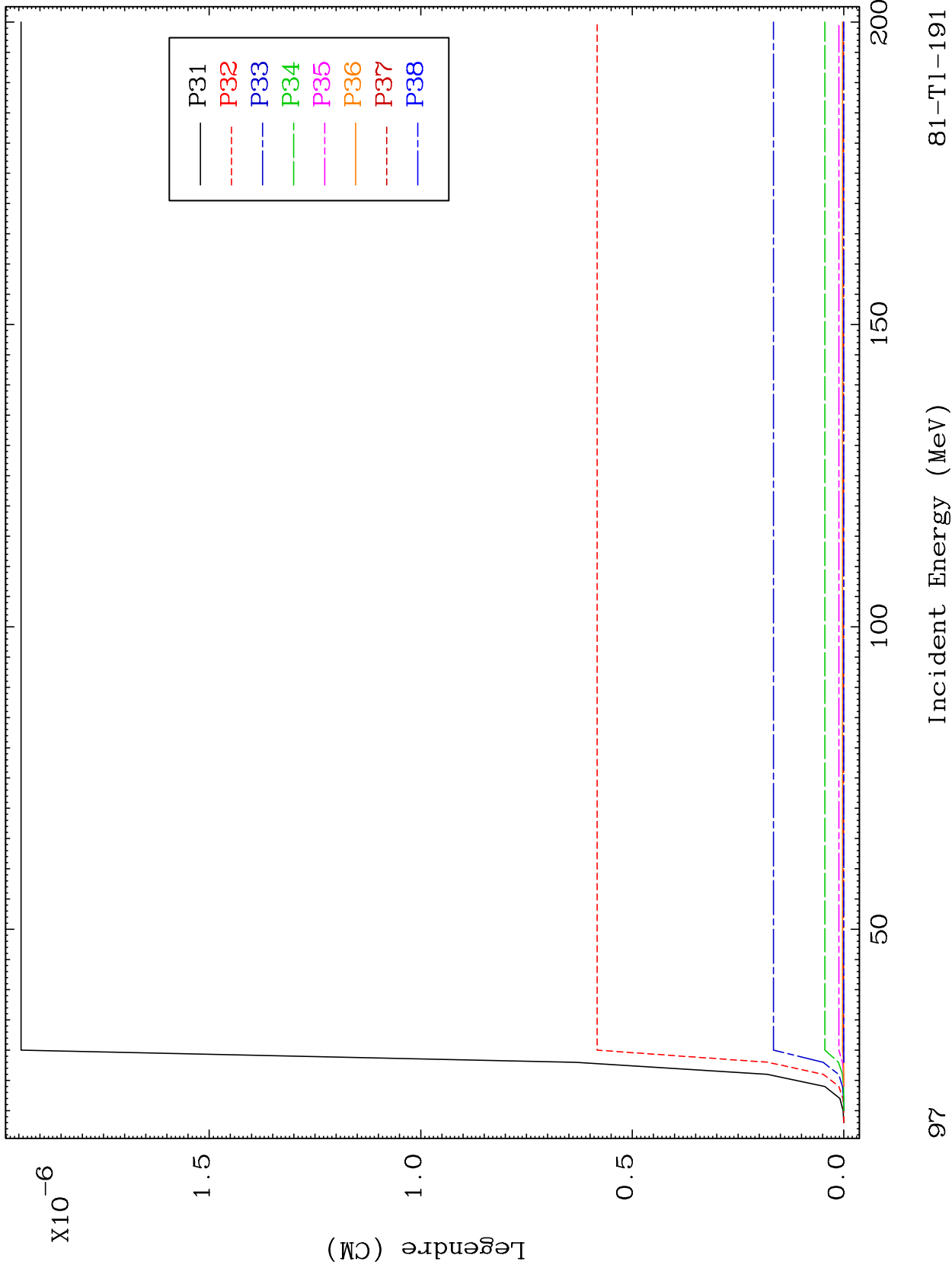
81-Tl-191



MAT 8089

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

81-Tl-191



97

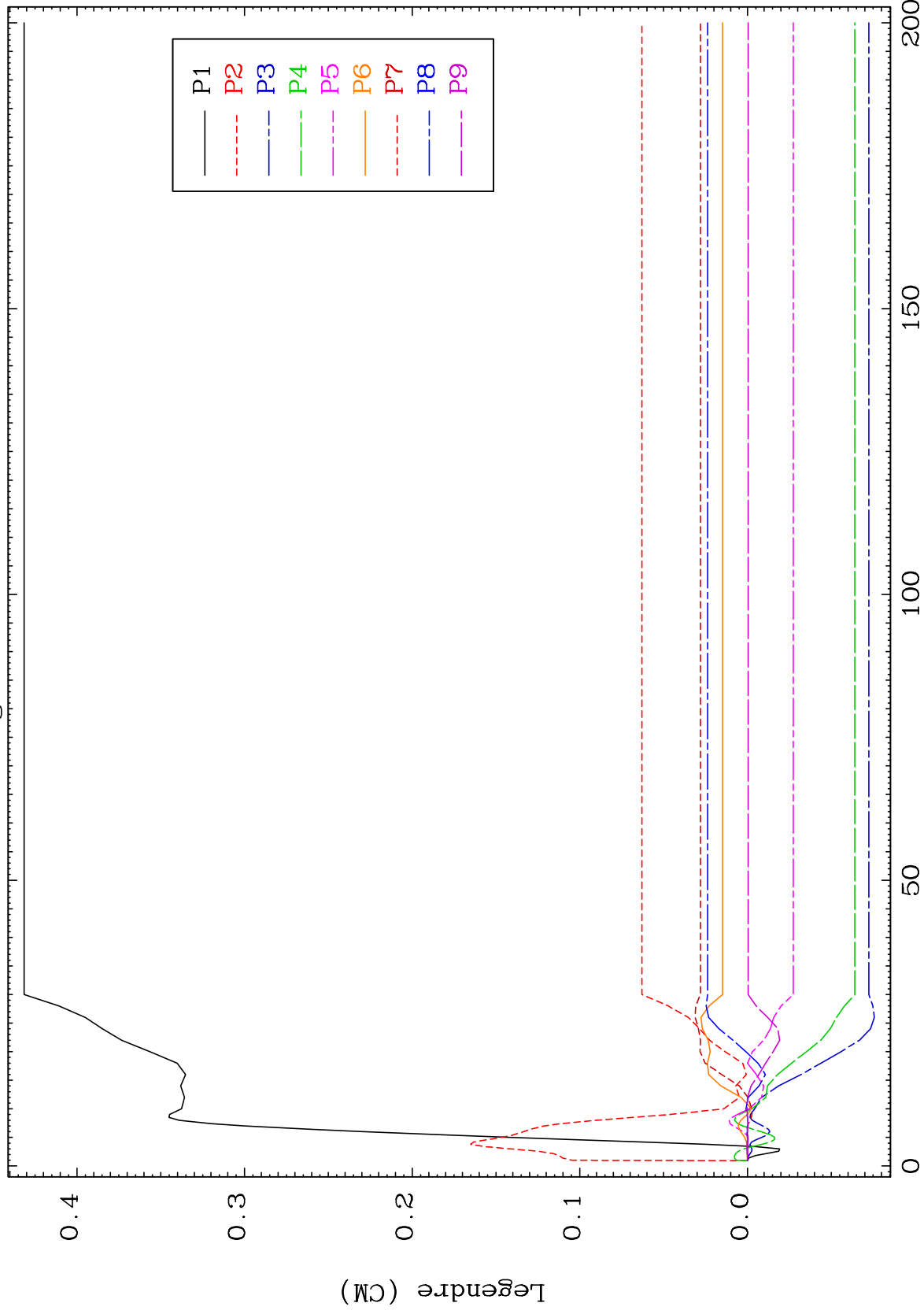
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



98

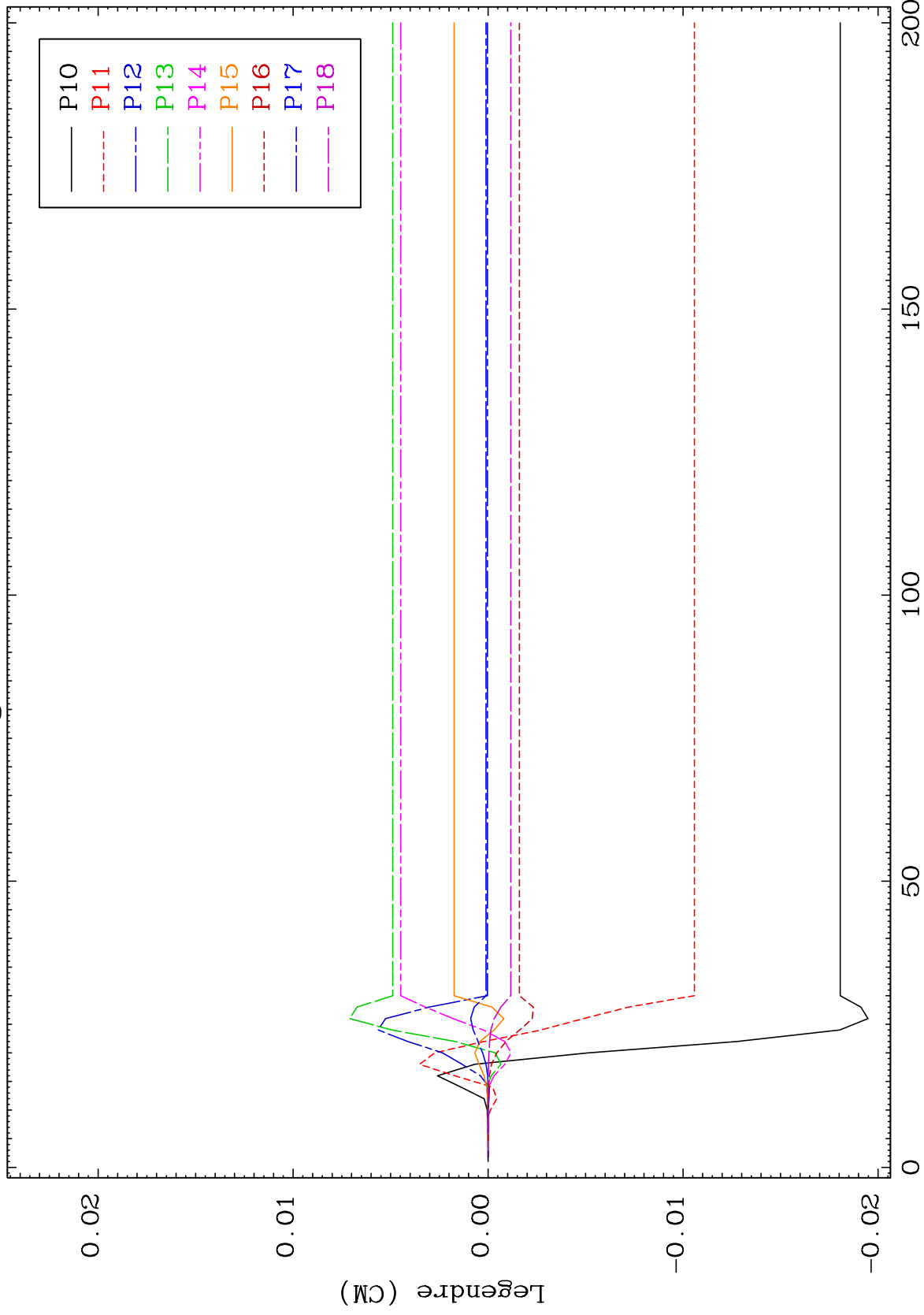
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



99

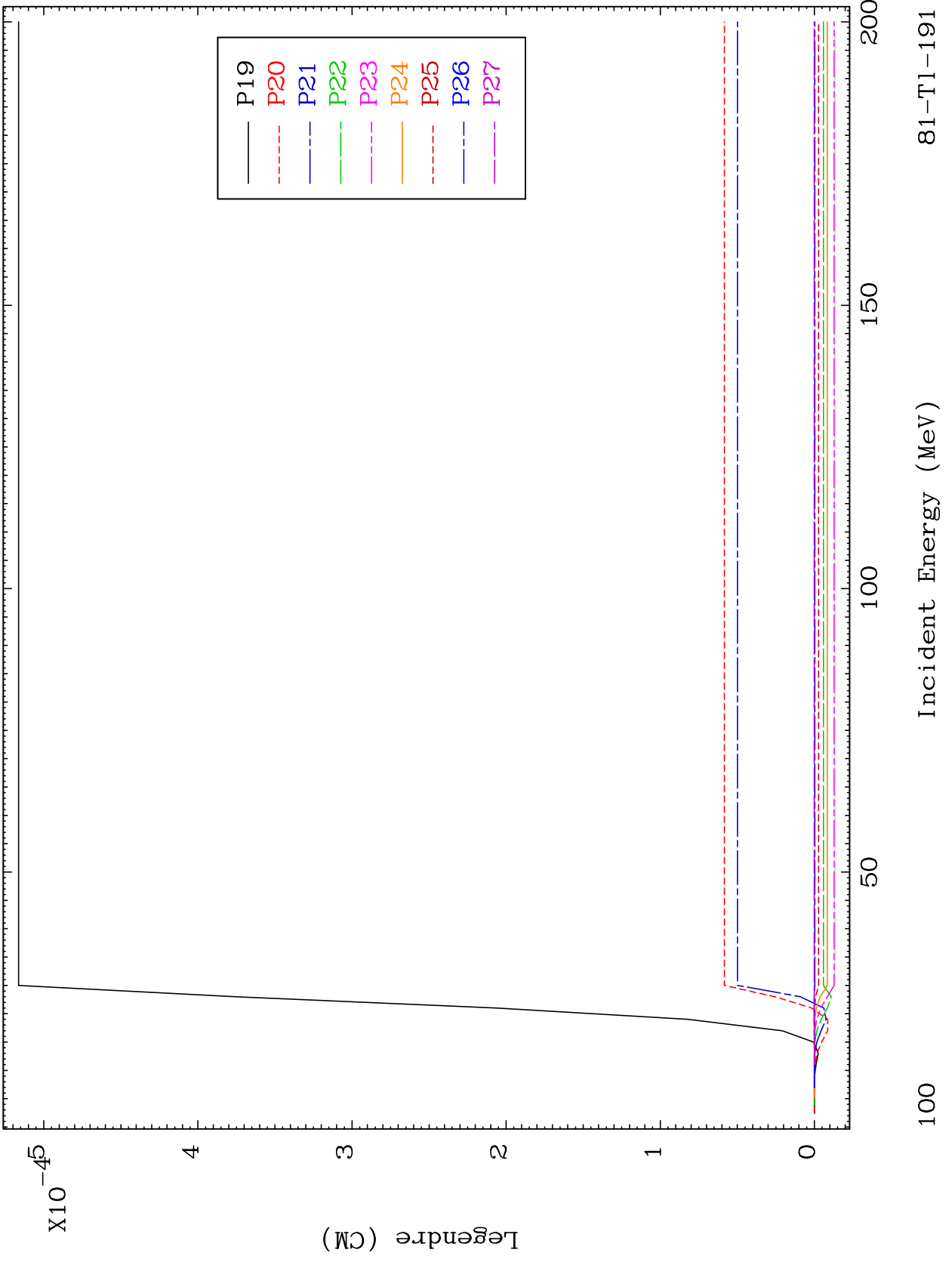
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

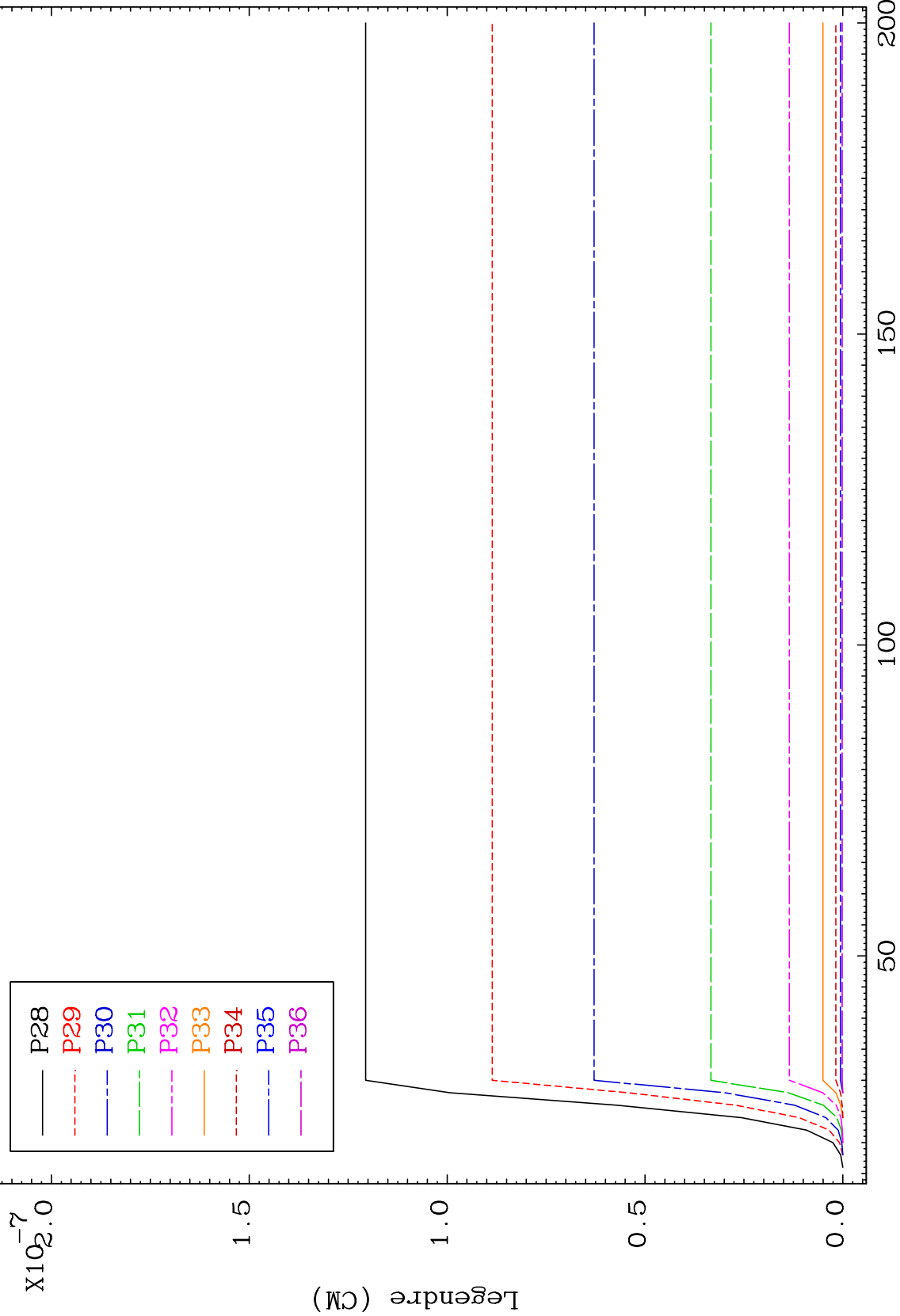
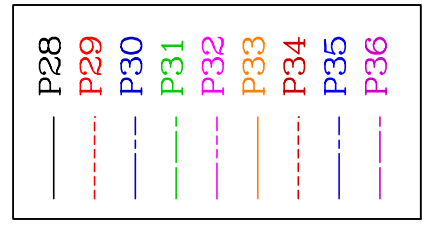
81-Tl-191



MAT 8089

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

81-Tl-191



101

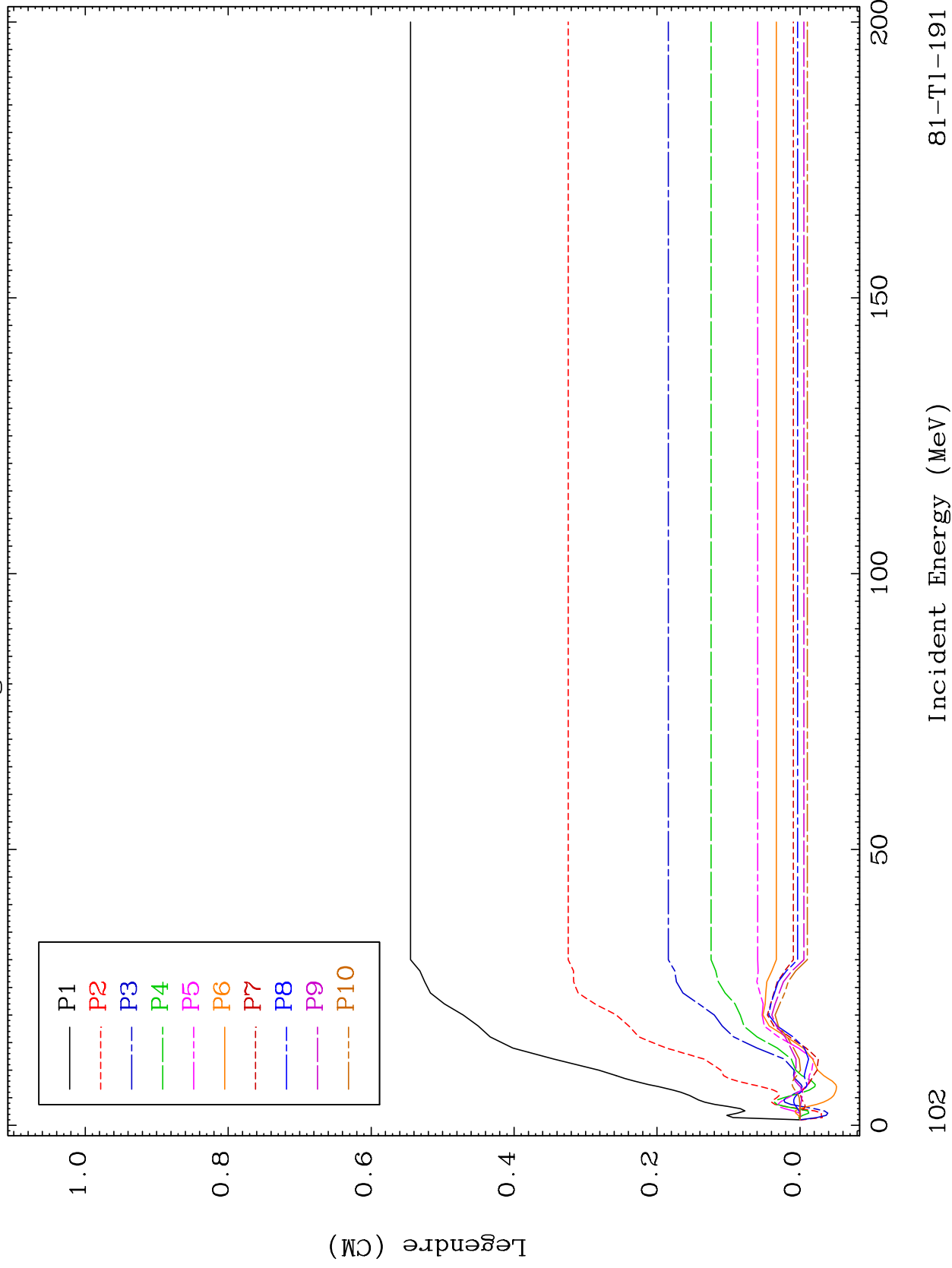
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



81-Tl-191

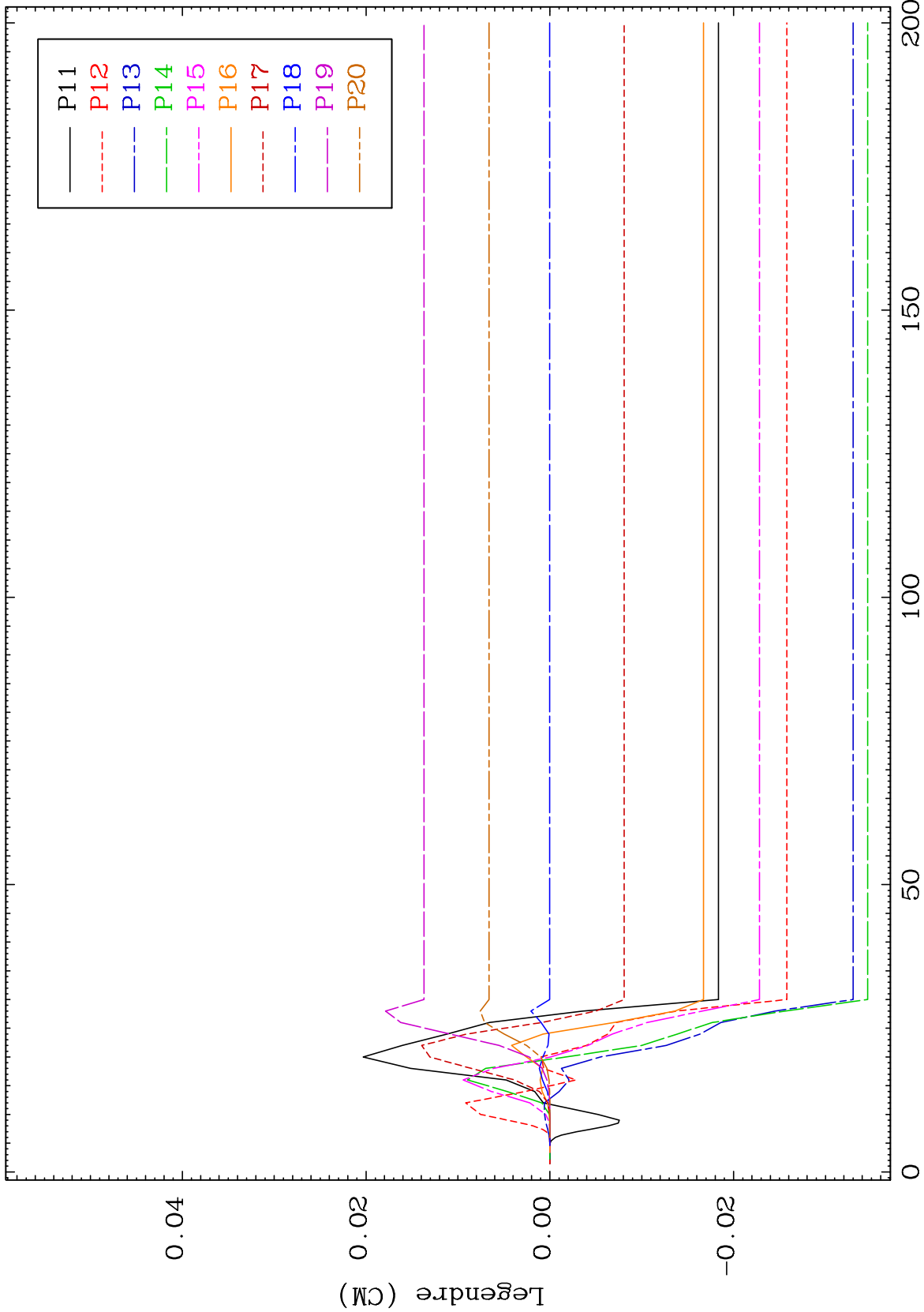
Incident Energy (MeV)

102

MAT 8089

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

81-Tl-191



103

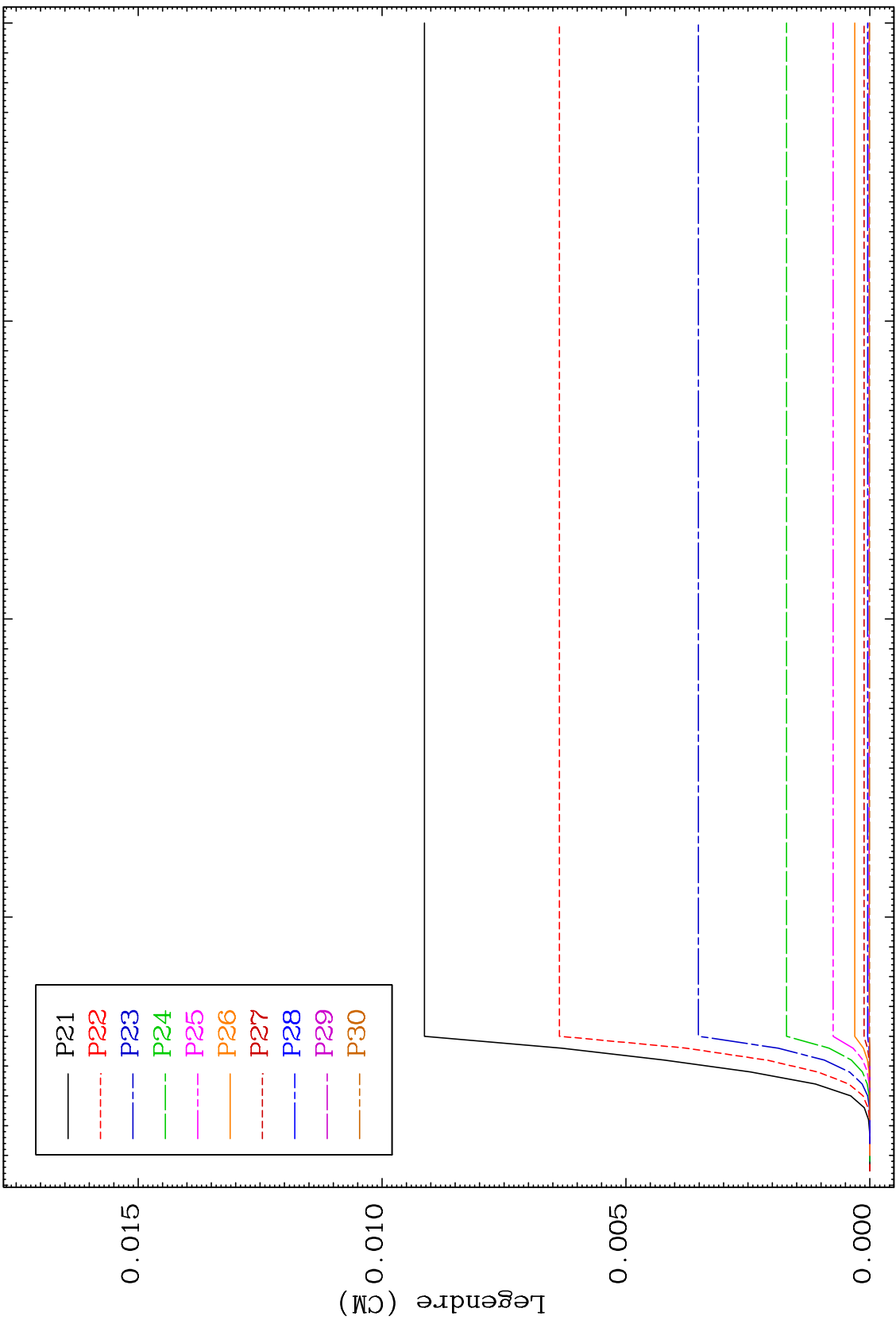
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



104

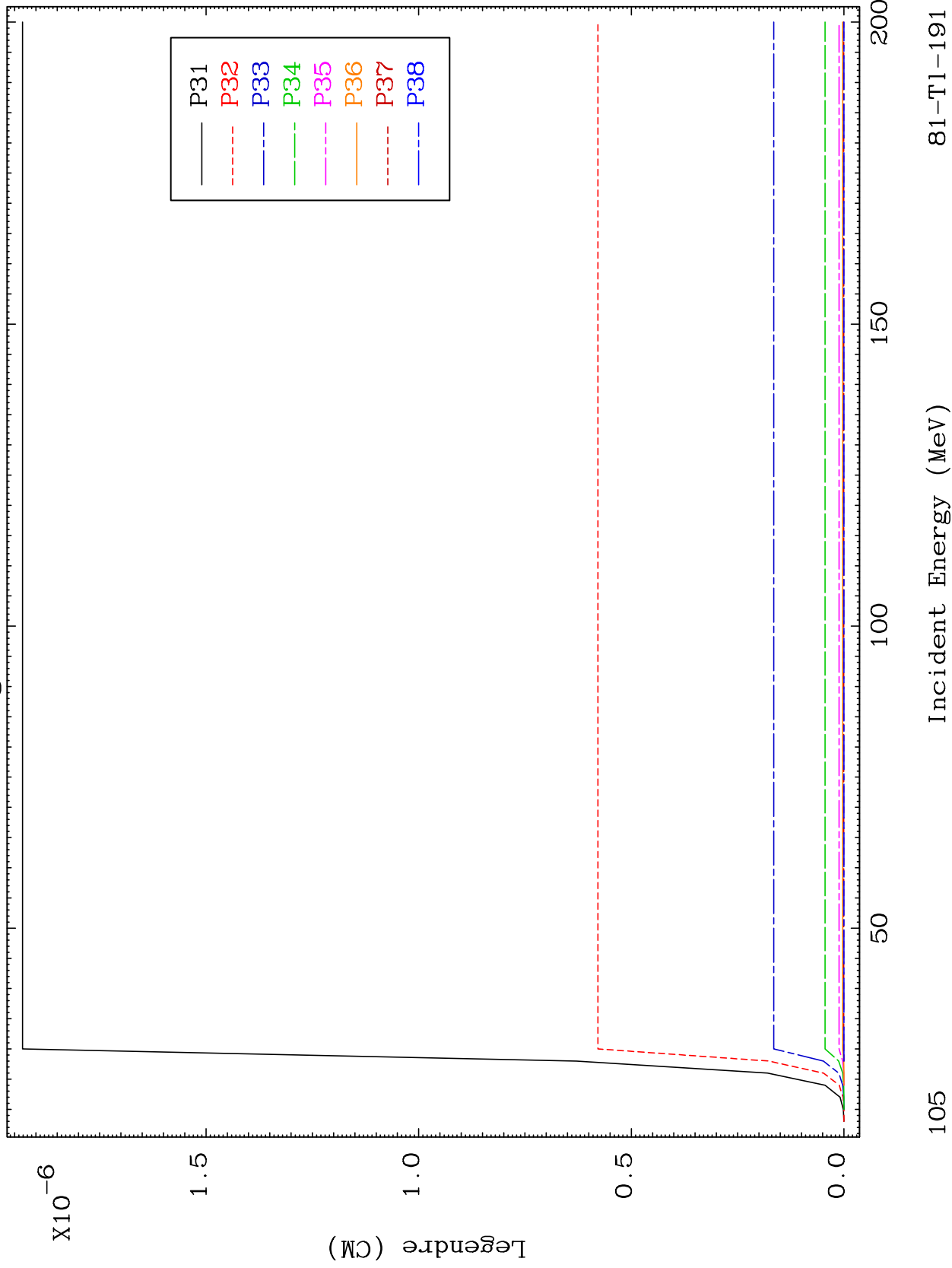
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

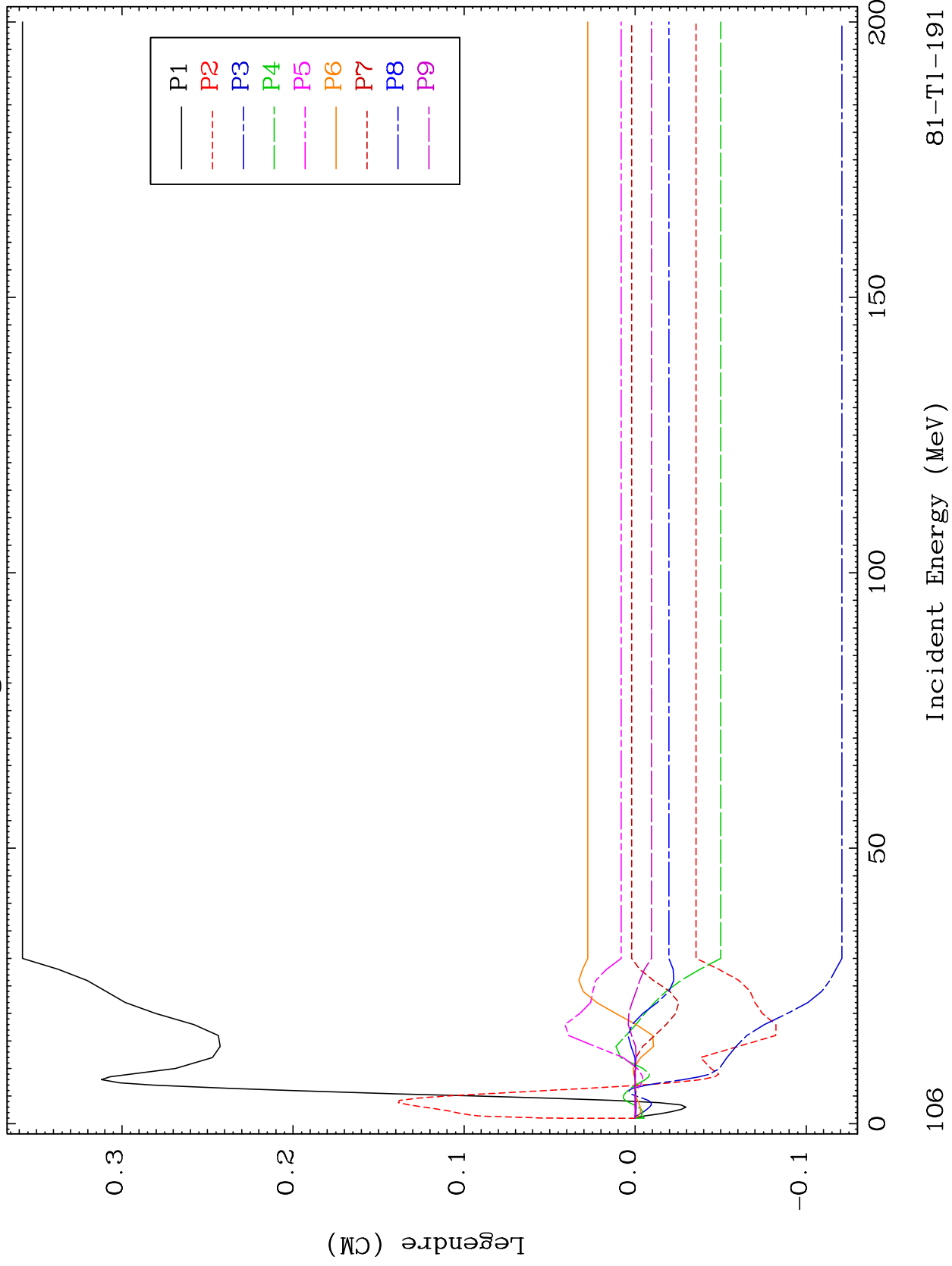
81-Tl-191



MAT 8089

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

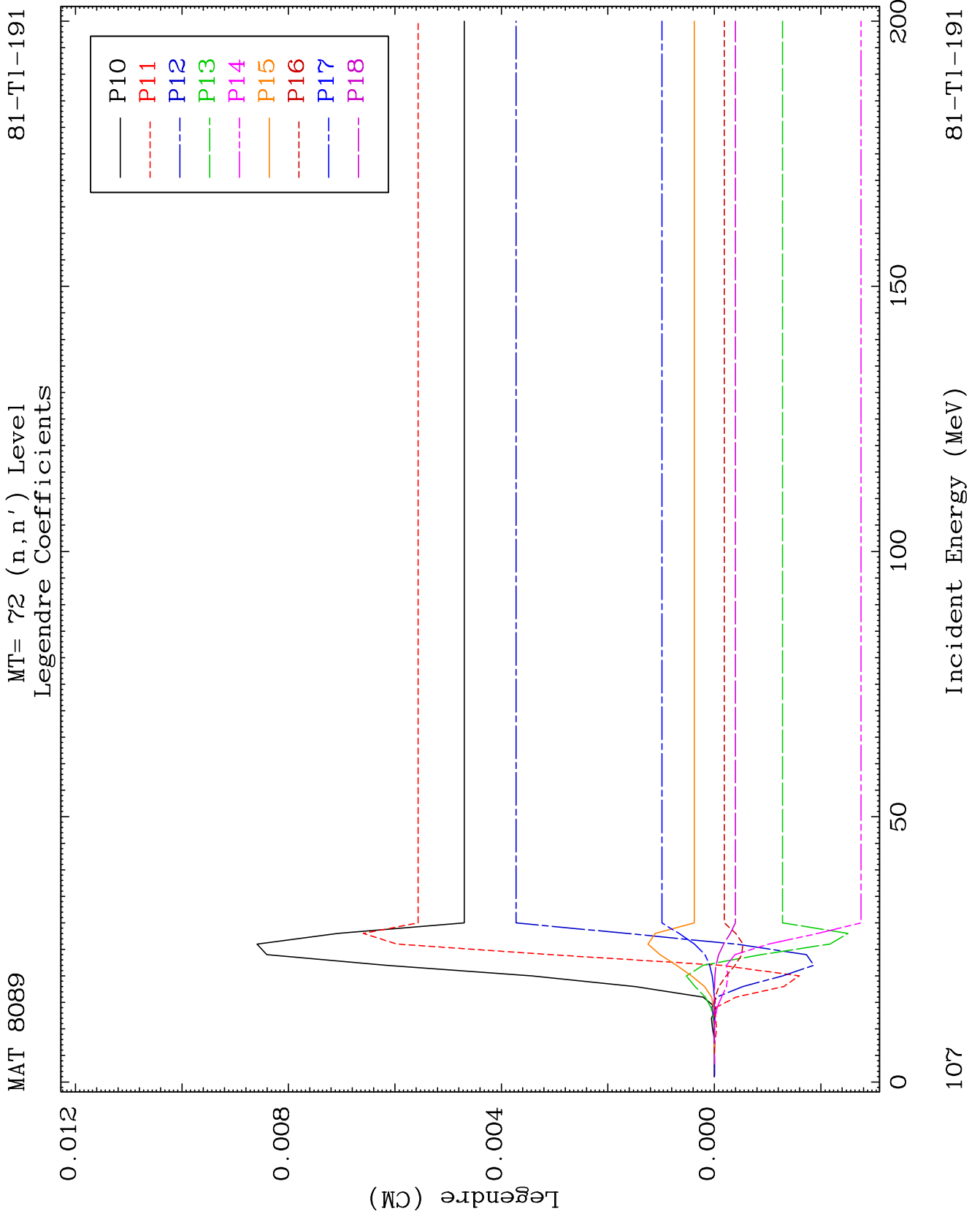
81-Tl-191

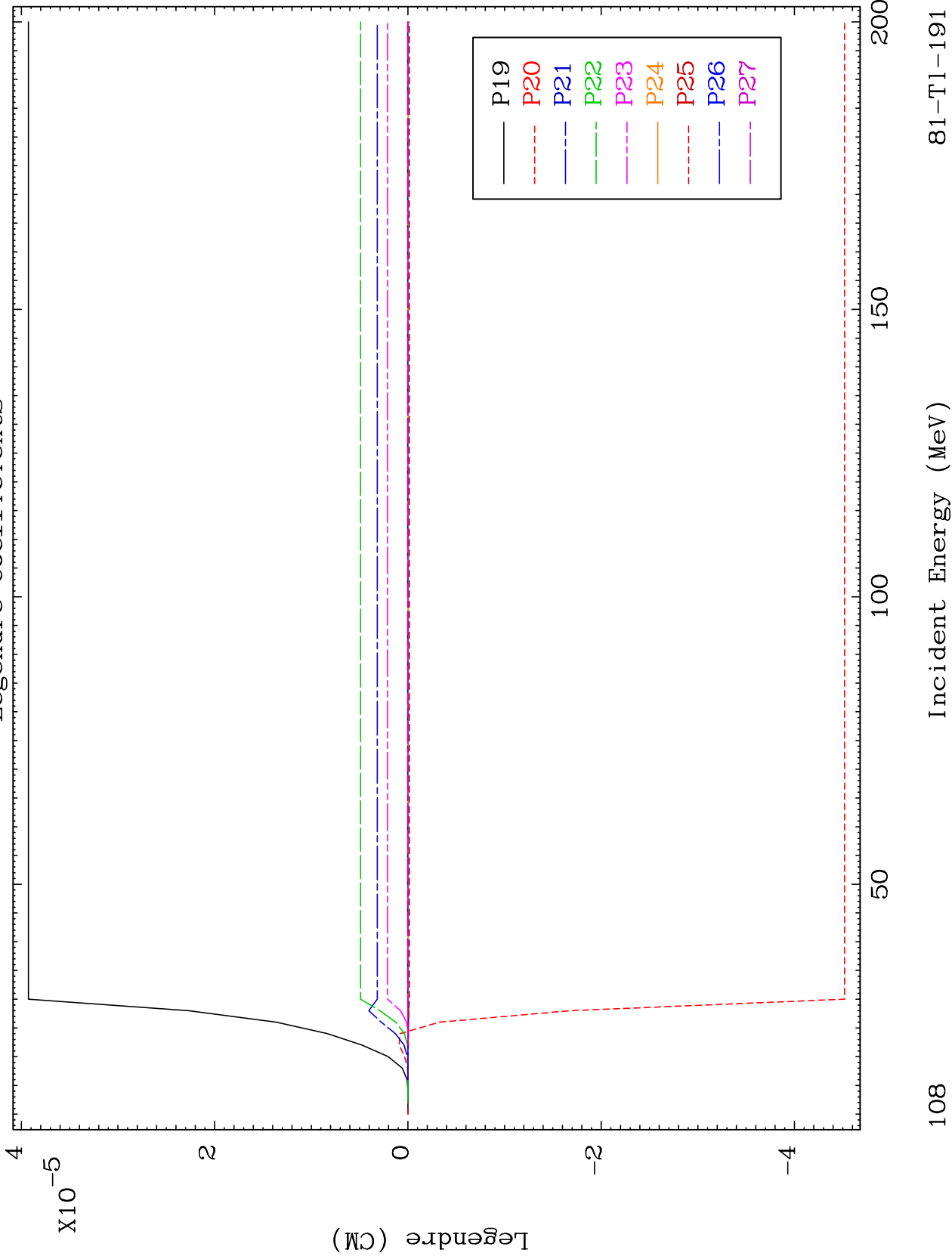


81-Tl-191

Incident Energy (MeV)

106

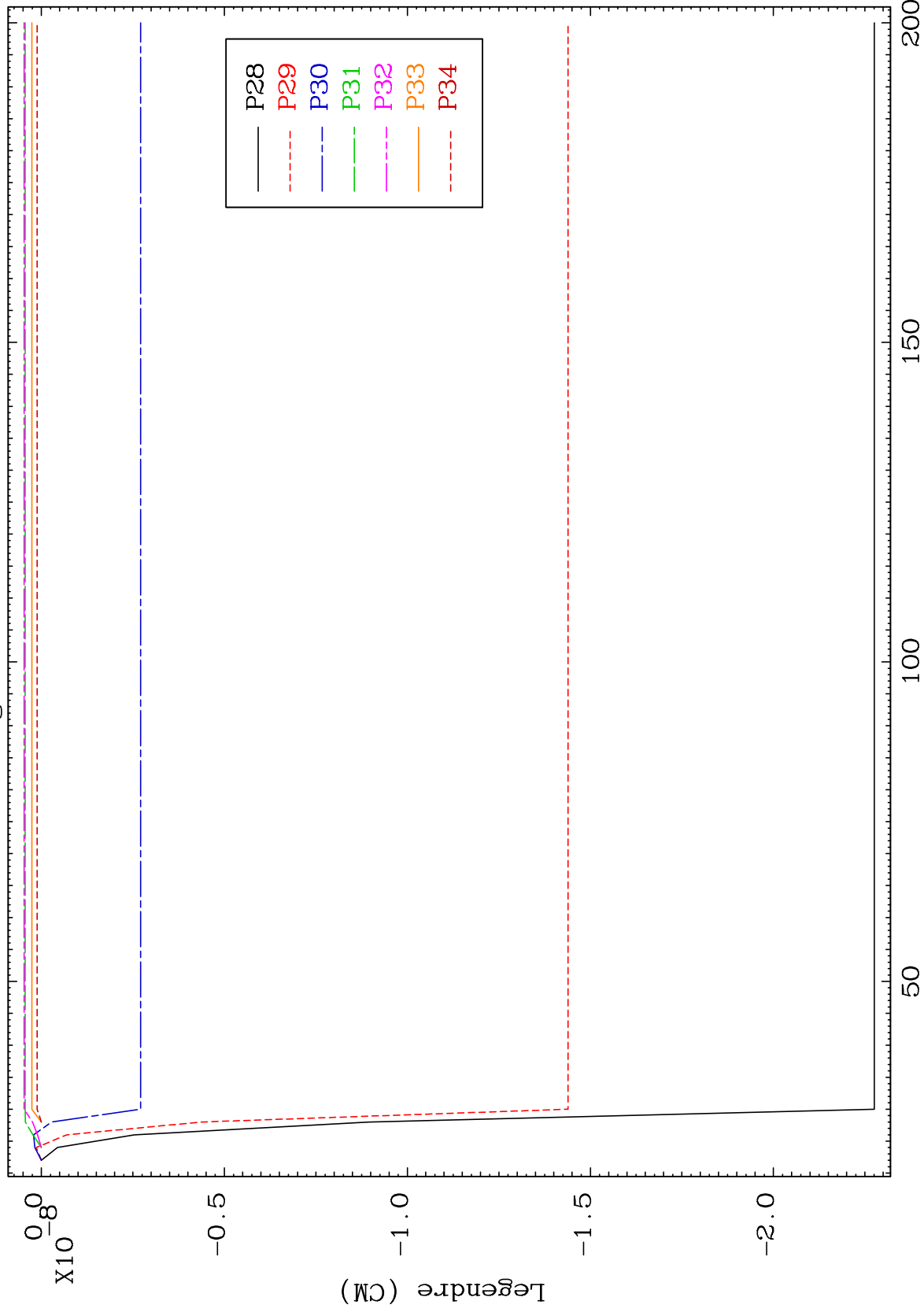




MAT 8089

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

81-Tl-191



109

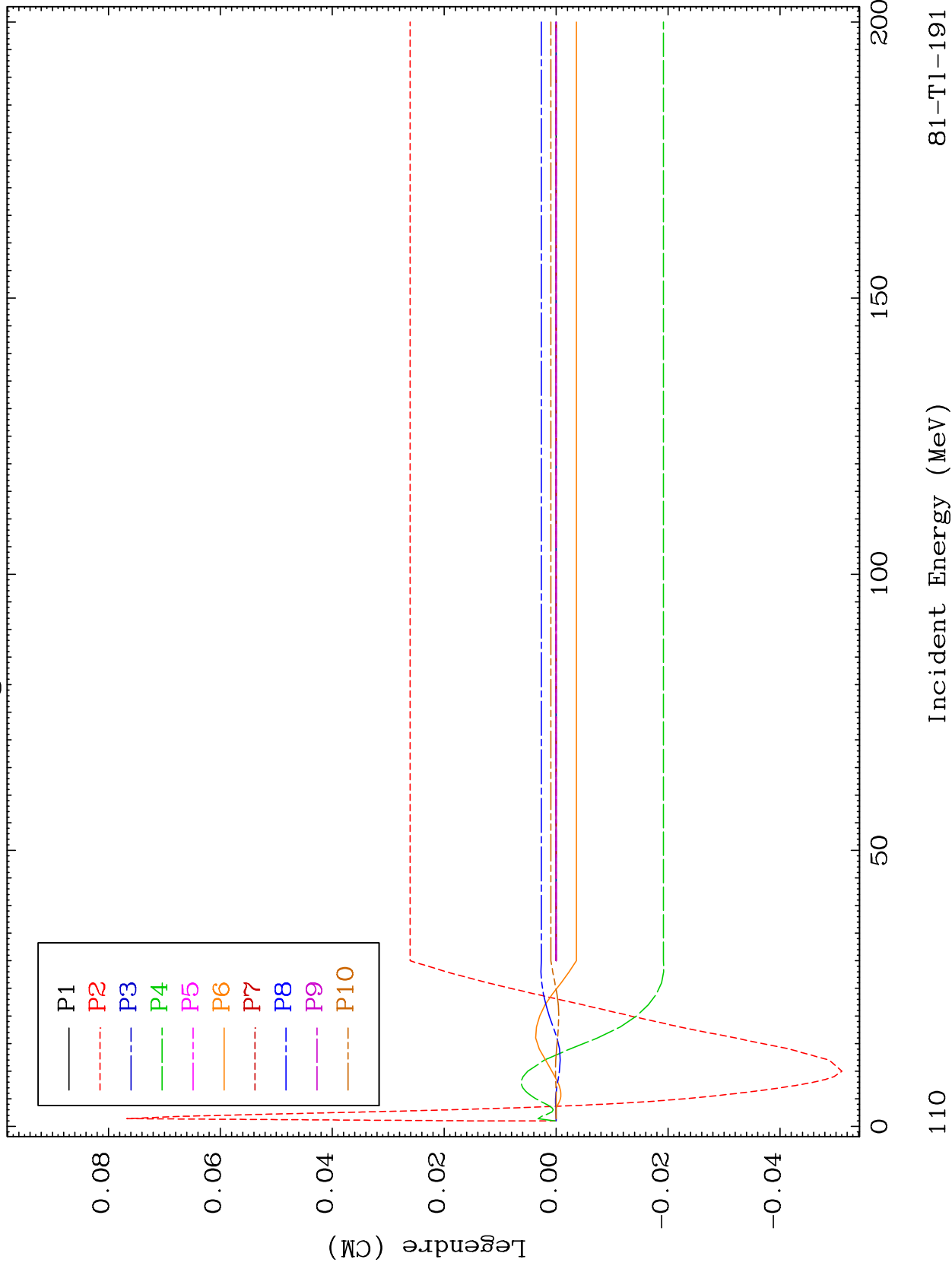
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



81-Tl-191

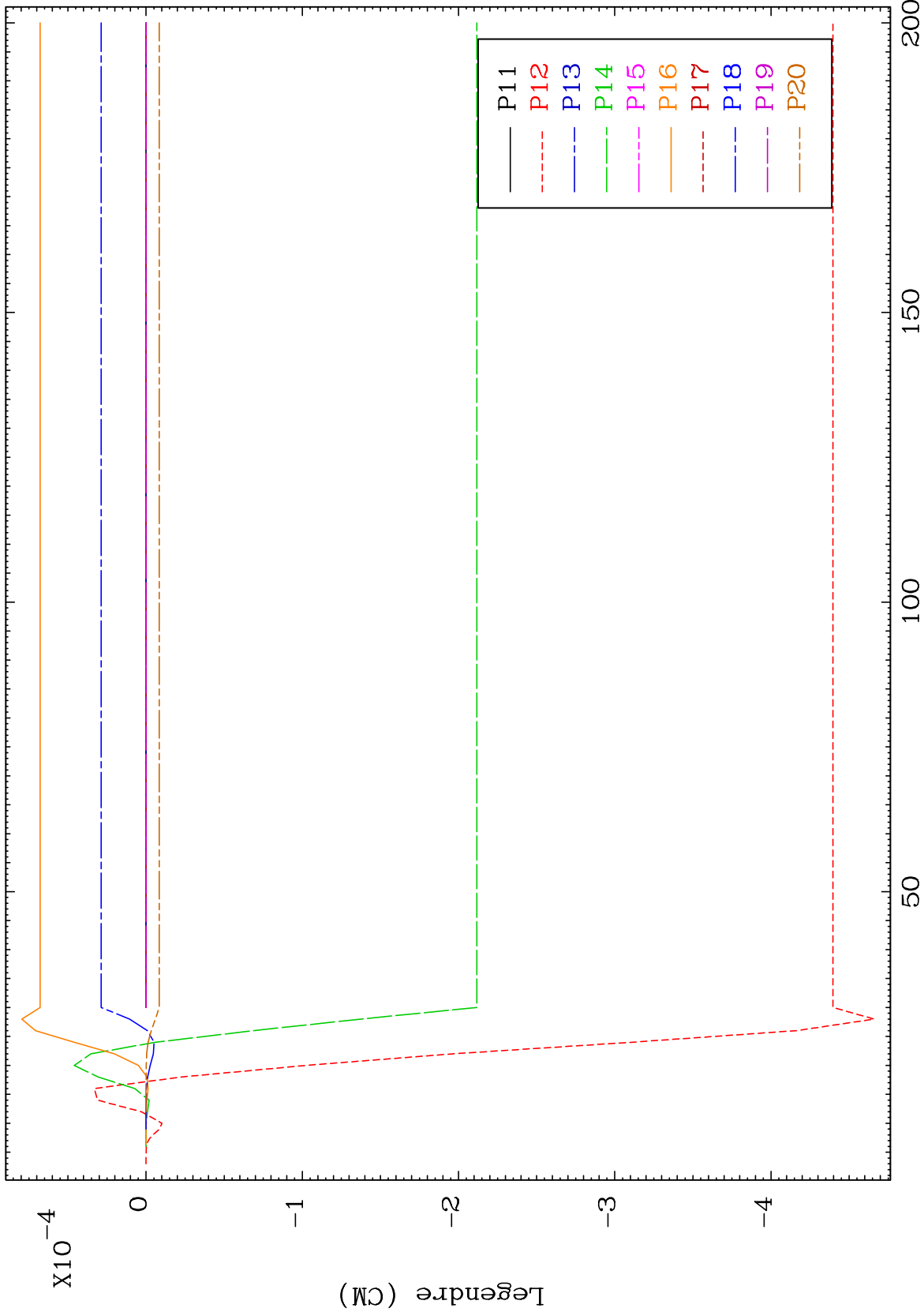
Incident Energy (MeV)

110

MAT 8089

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

81-T1-191



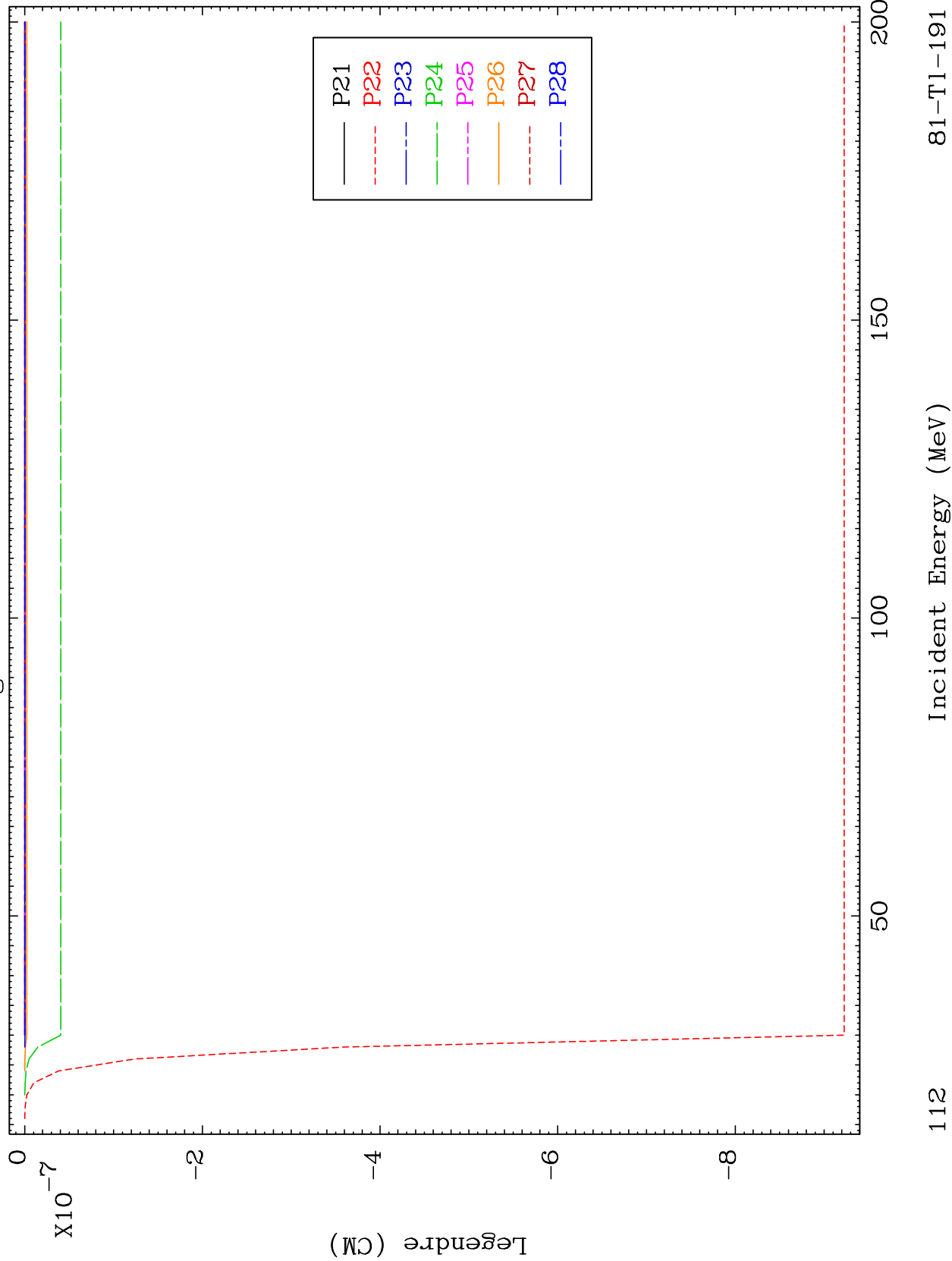
111

81-T1-191

MAT 8089

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

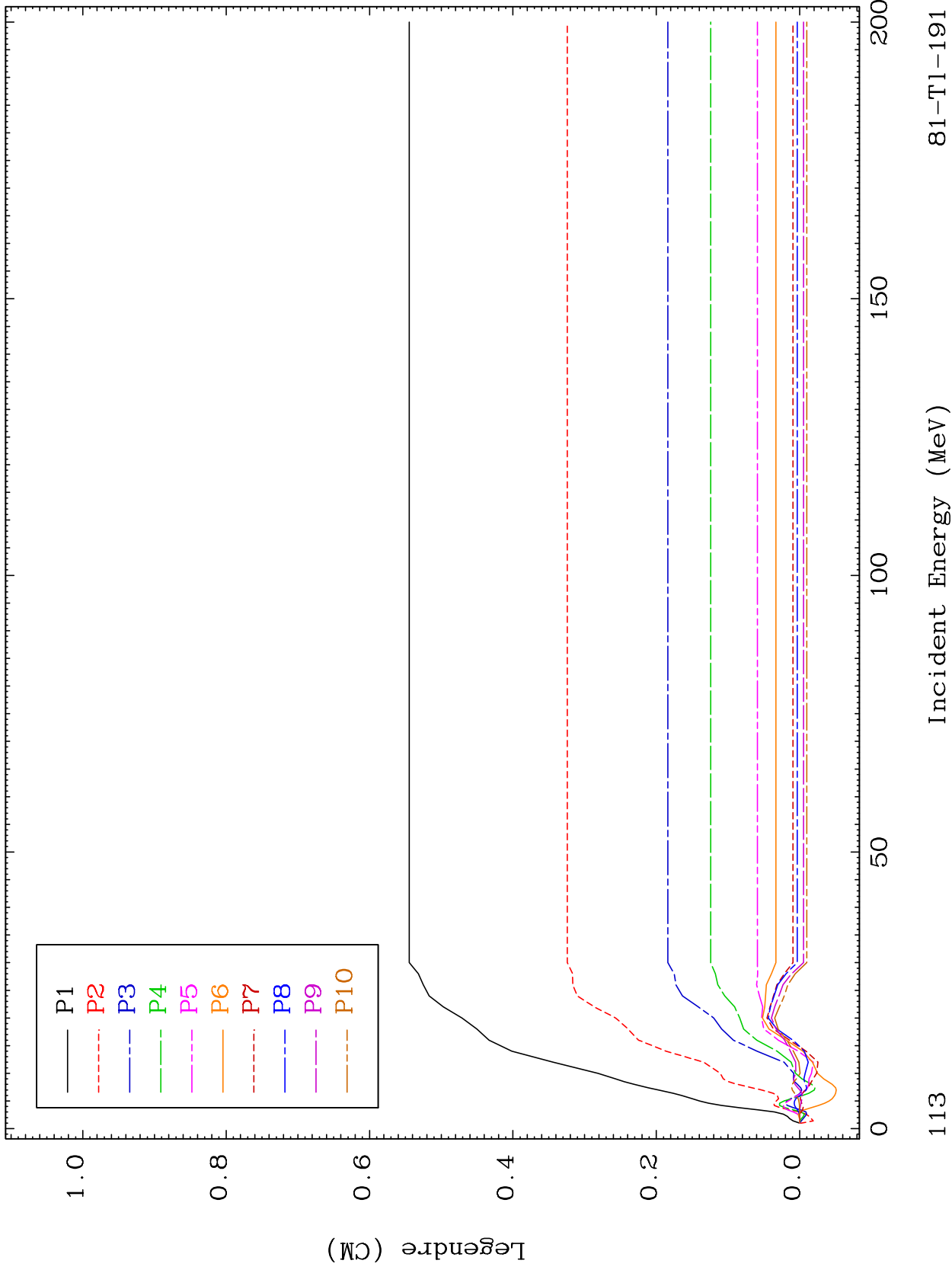
81-Tl-191



112

Incident Energy (MeV)

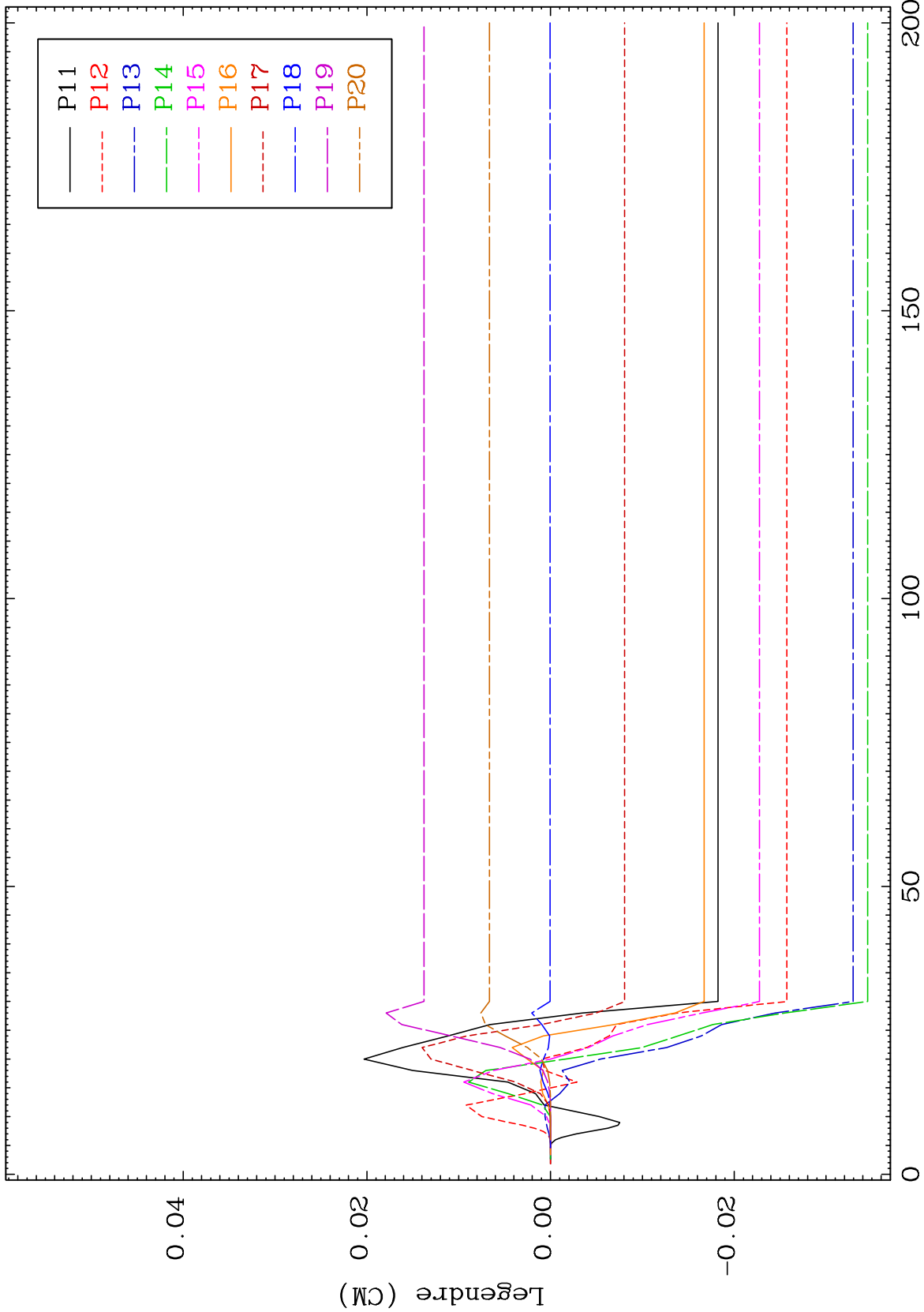
81-Tl-191



MAT 8089

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

81-Tl-191



114

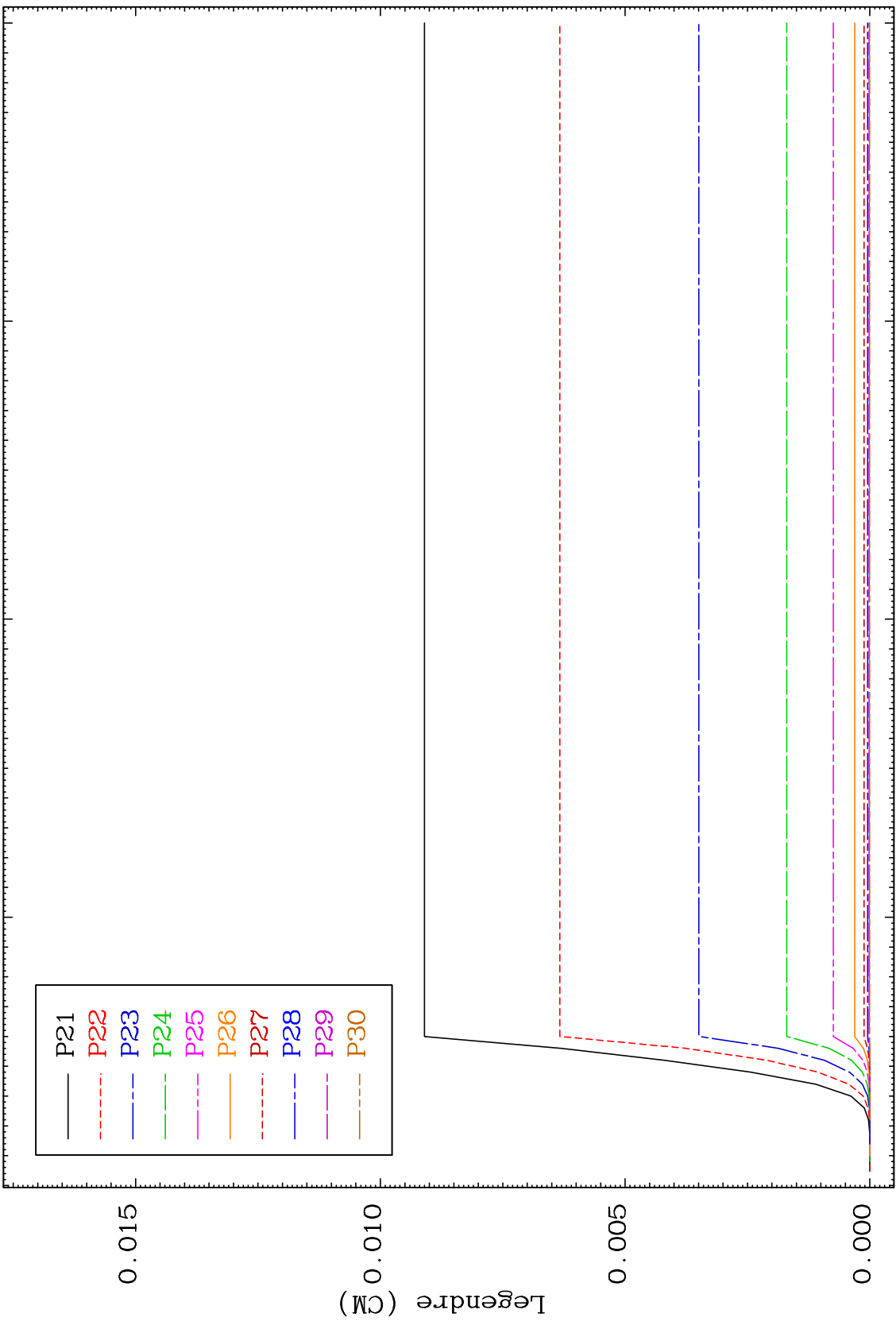
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



115

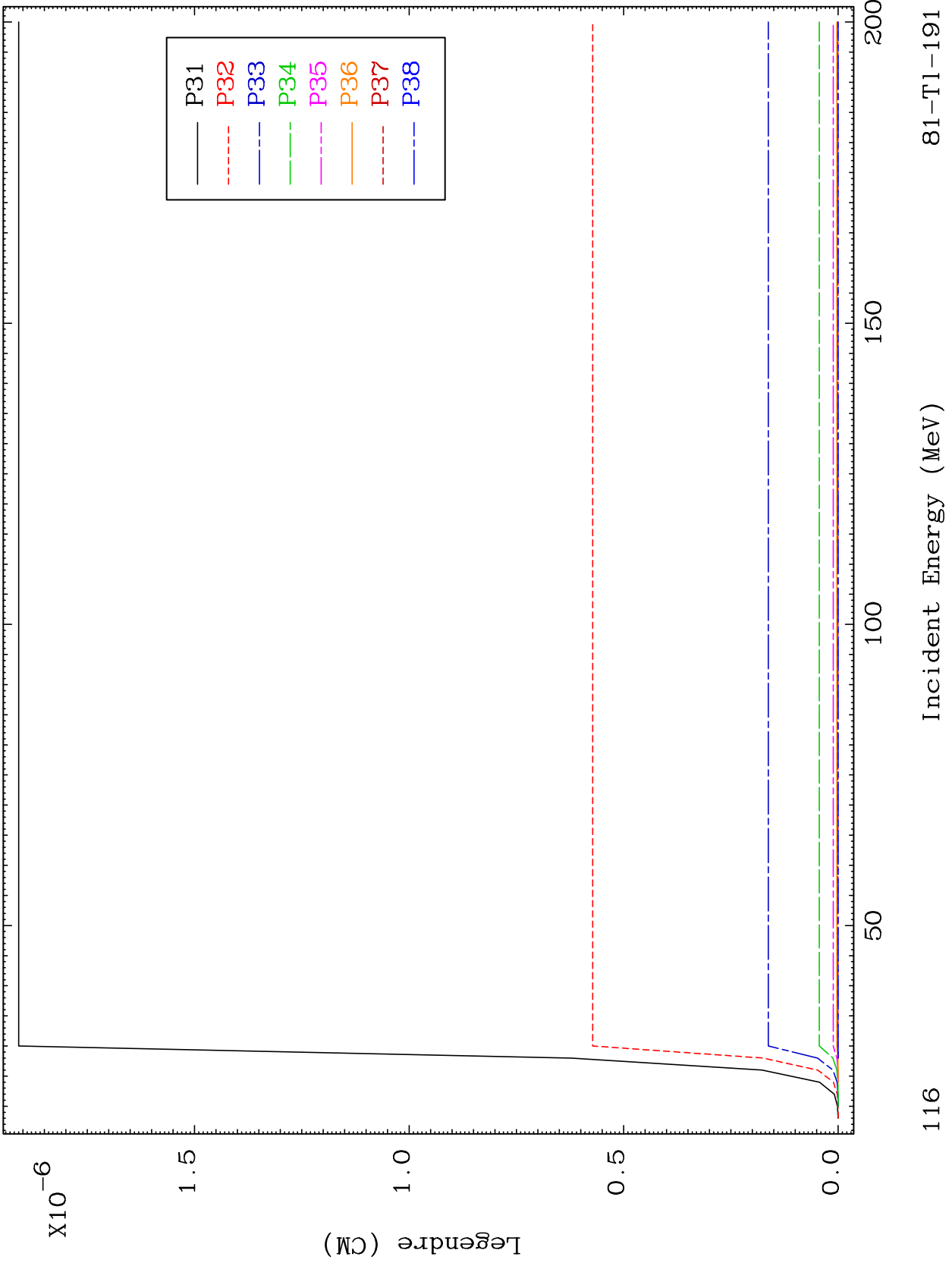
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-T1-191



116

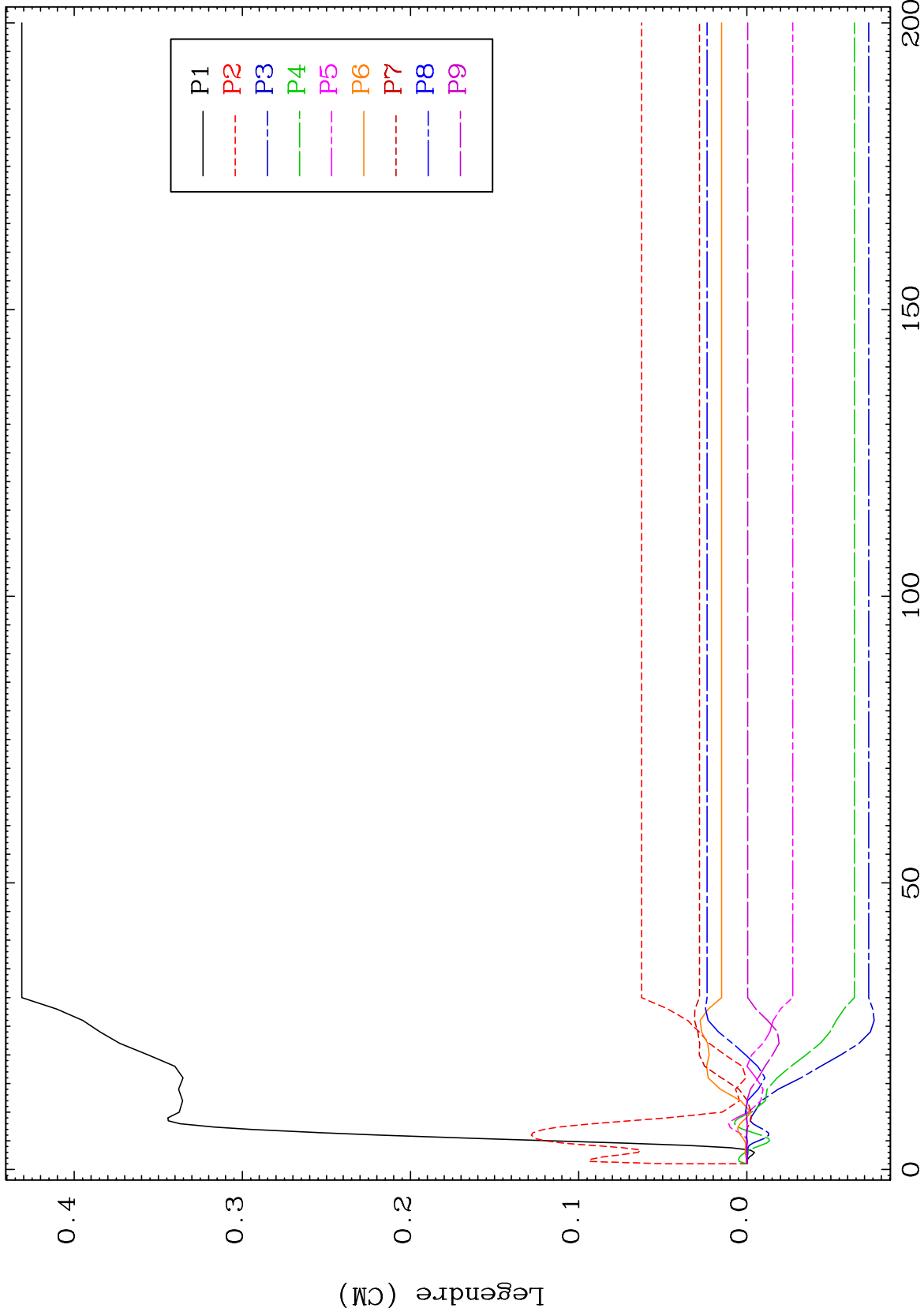
Incident Energy (MeV)

81-T1-191

MAT 8089

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

81-Tl-191



117

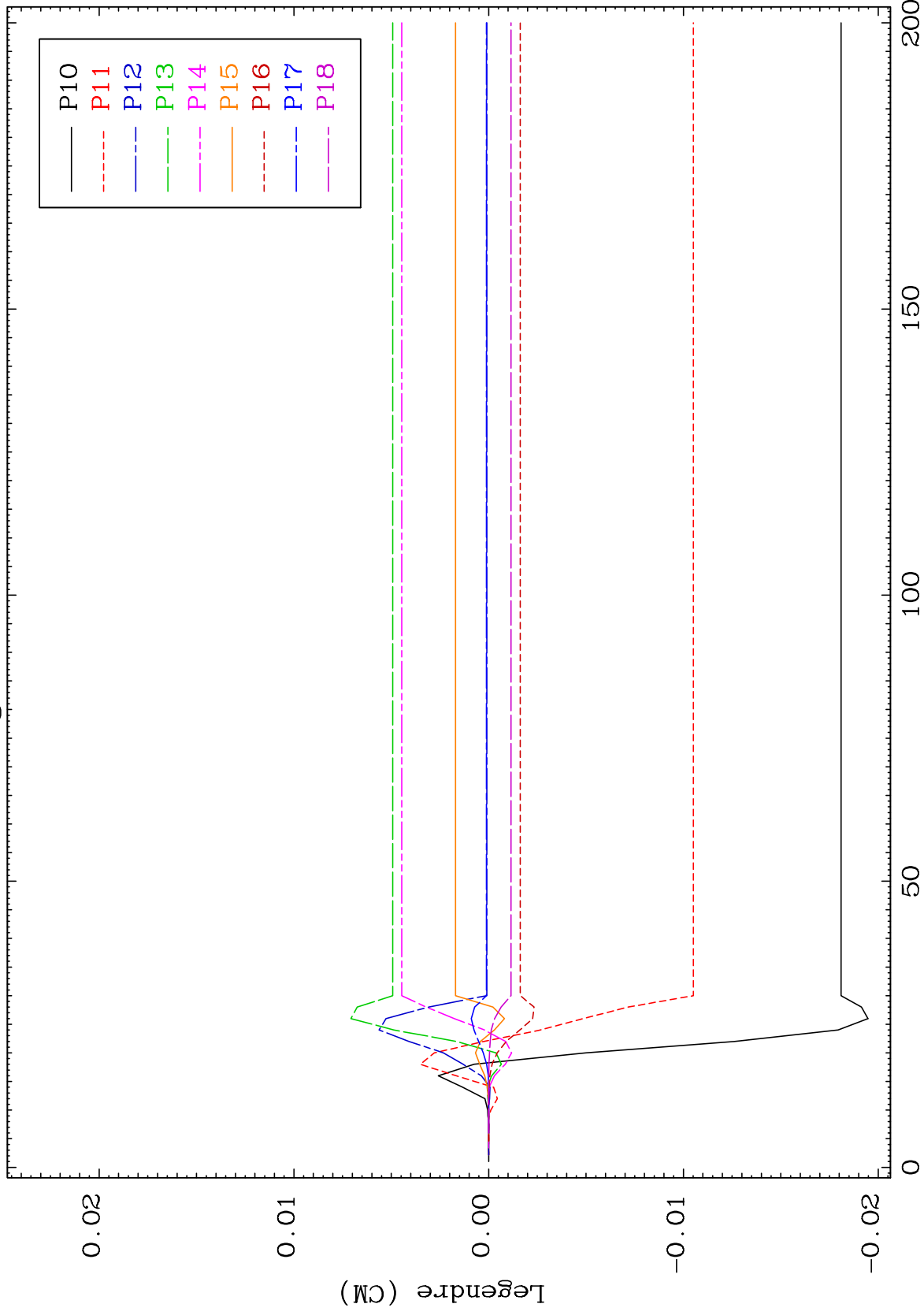
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



118

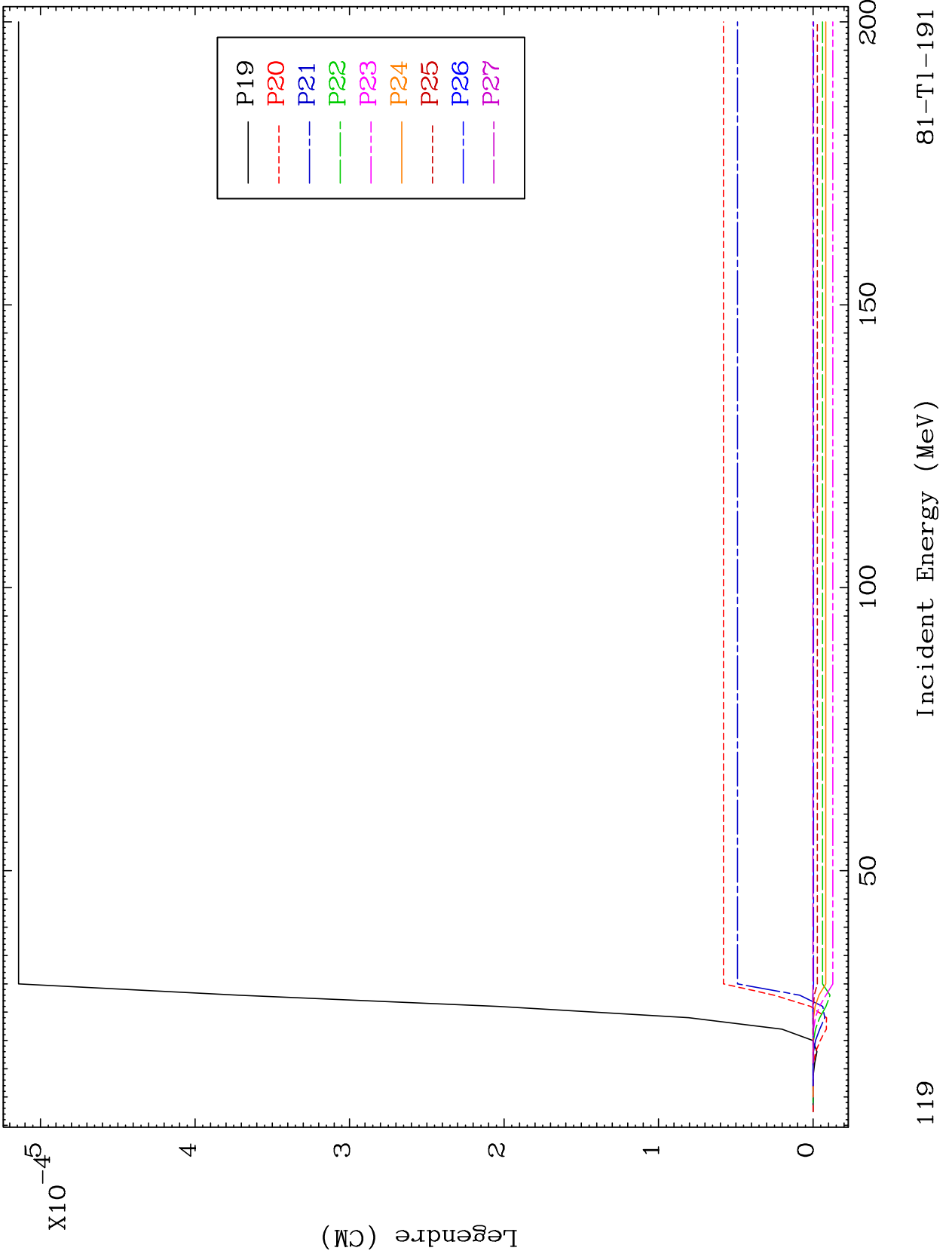
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

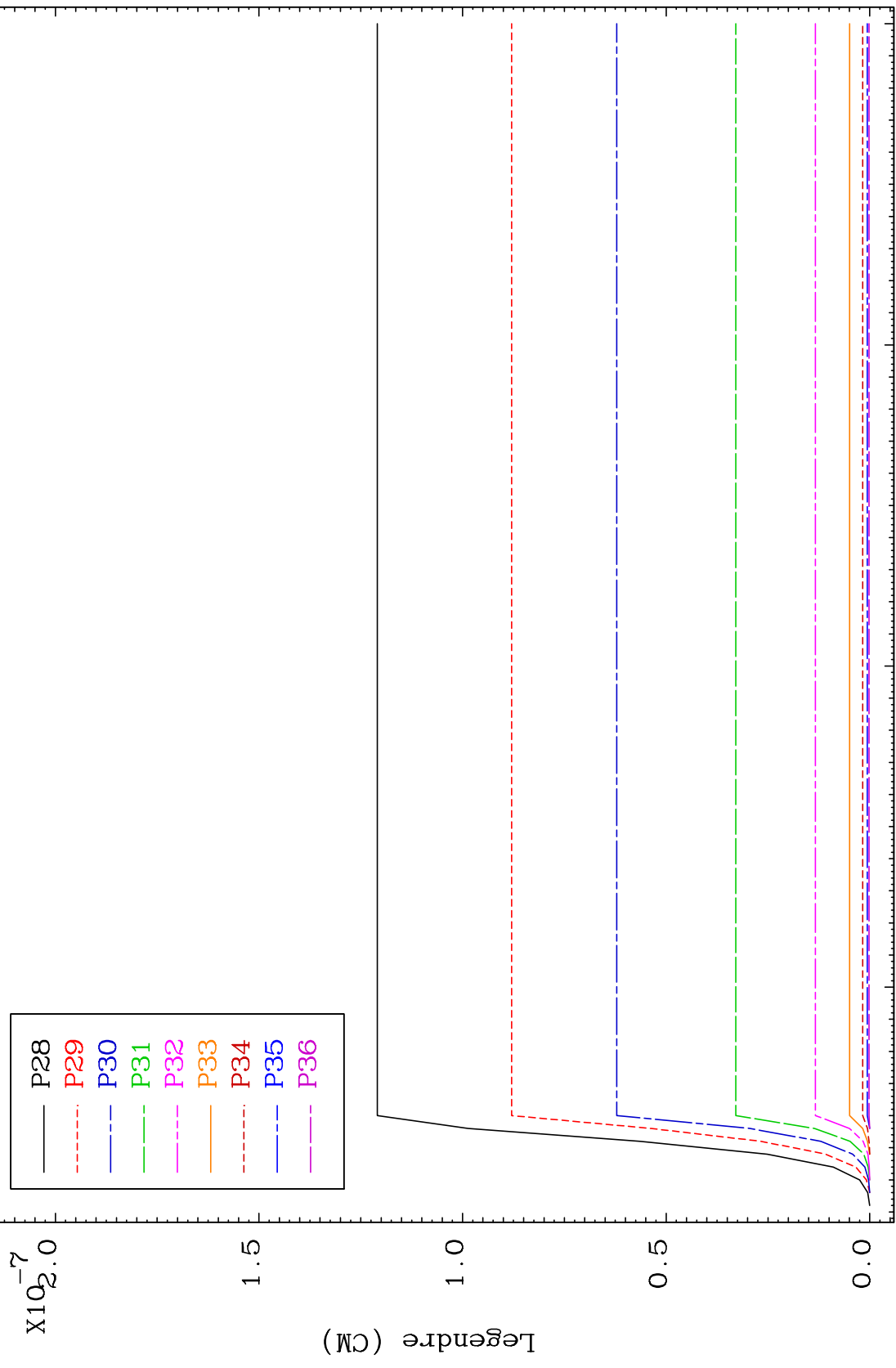
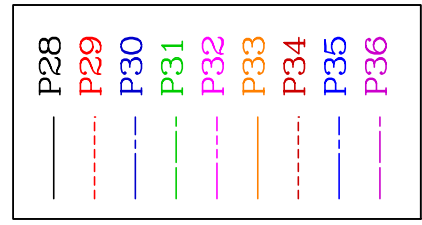
81-Tl-191



MAT 8089

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

81-Tl-191



120

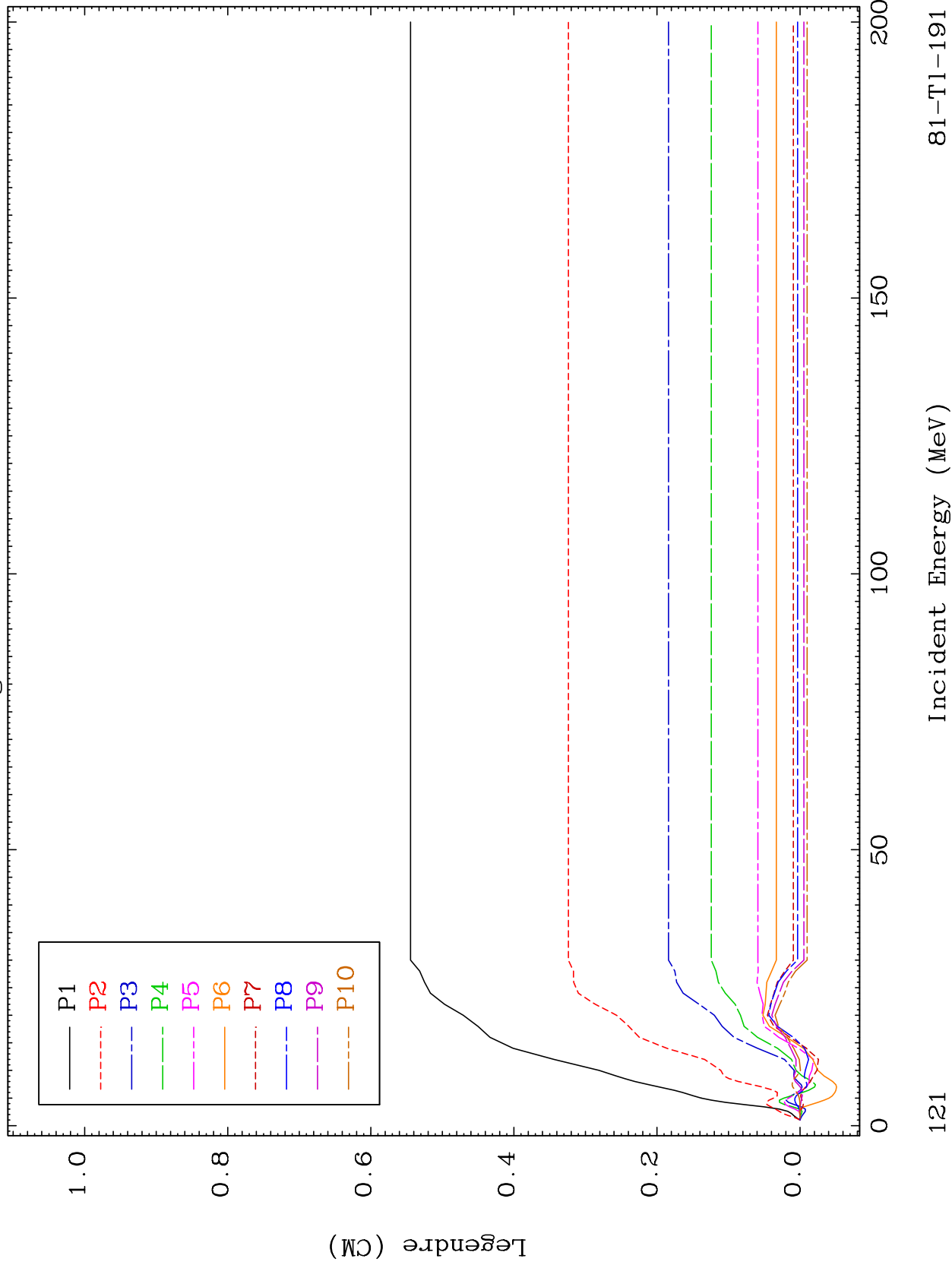
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191

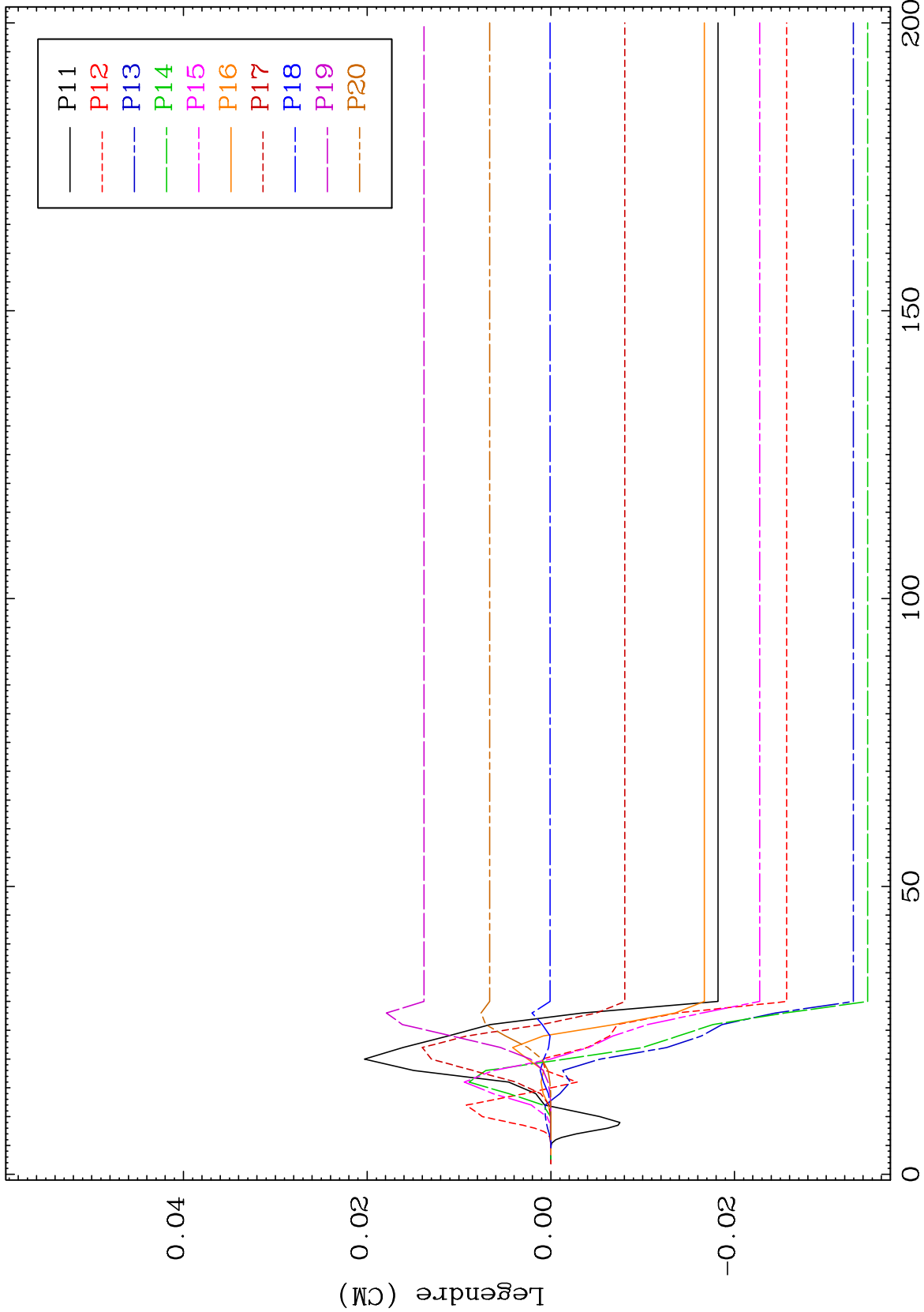


121

MAT 8089

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

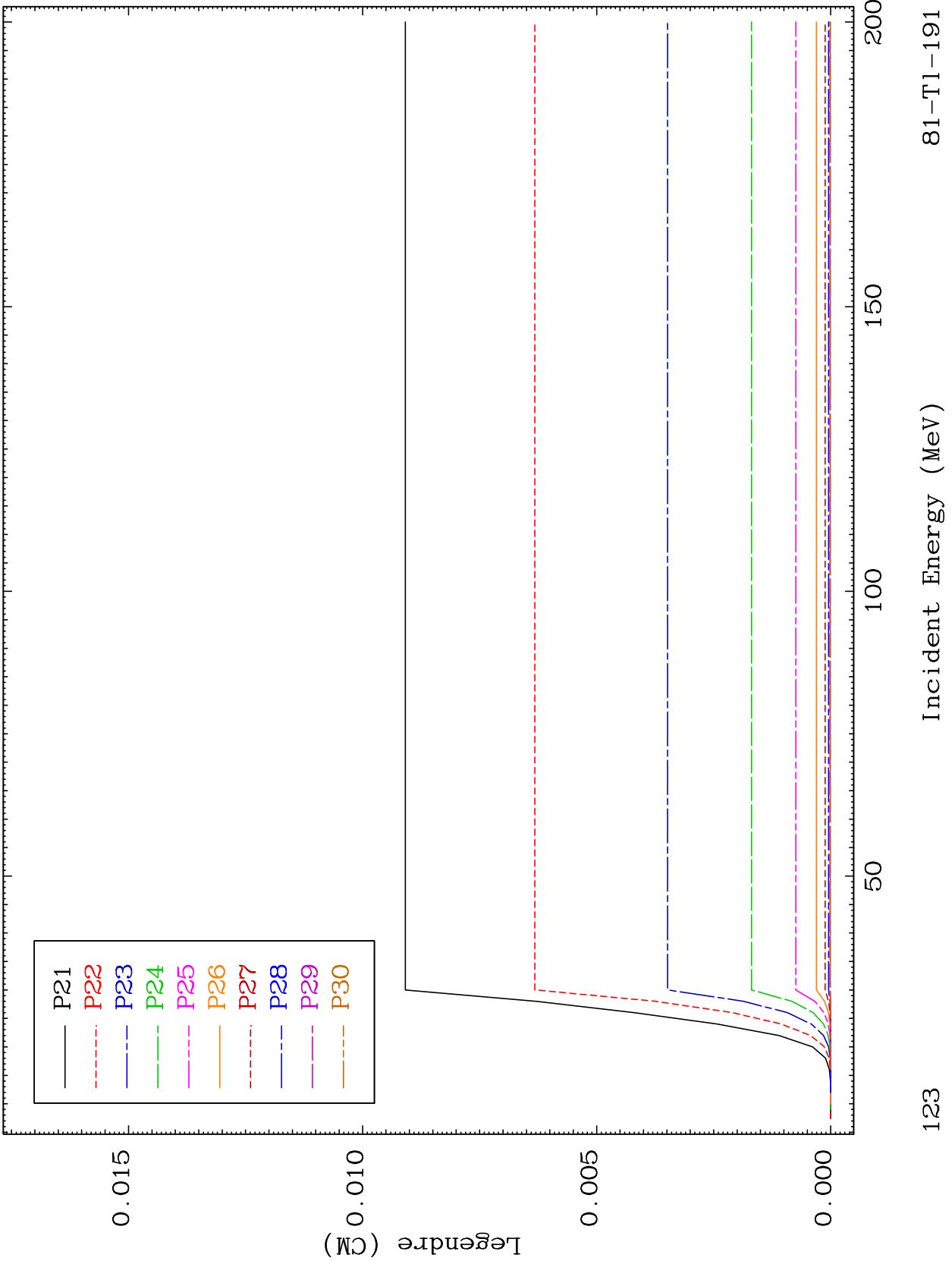
81-Tl-191



122

Incident Energy (MeV)

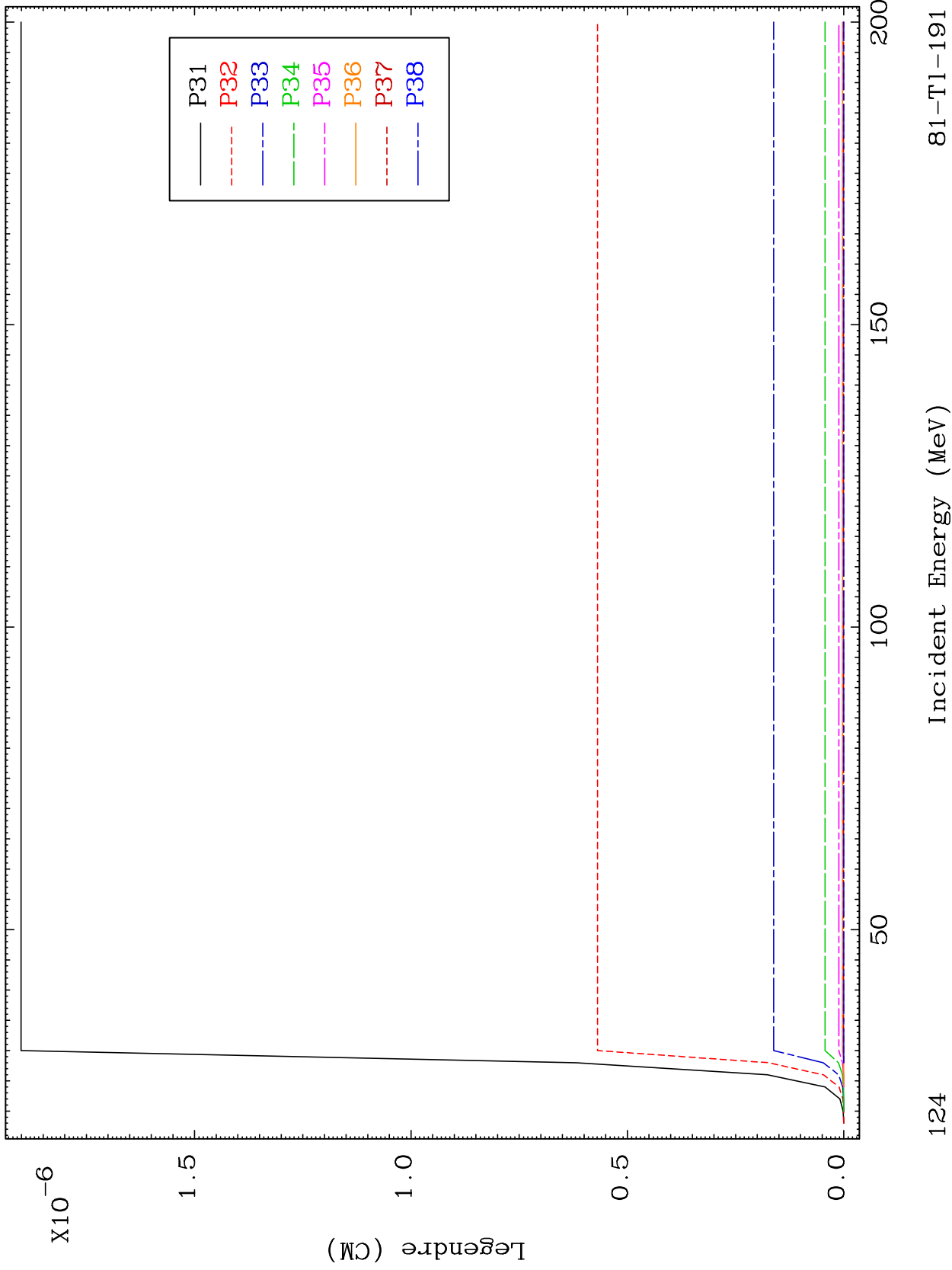
81-Tl-191



MAT 8089

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

81-Tl-191



124

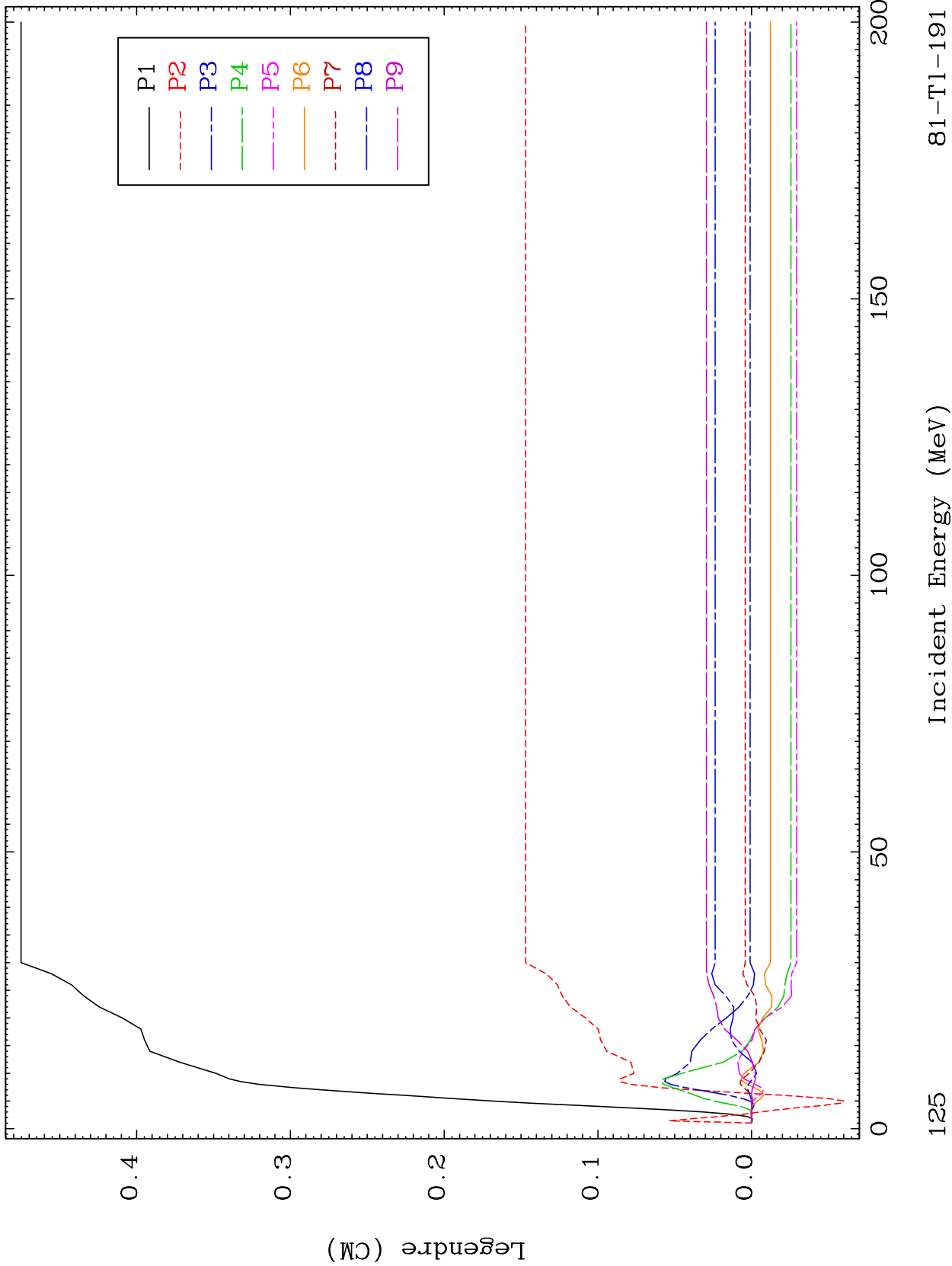
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



81-Tl-191

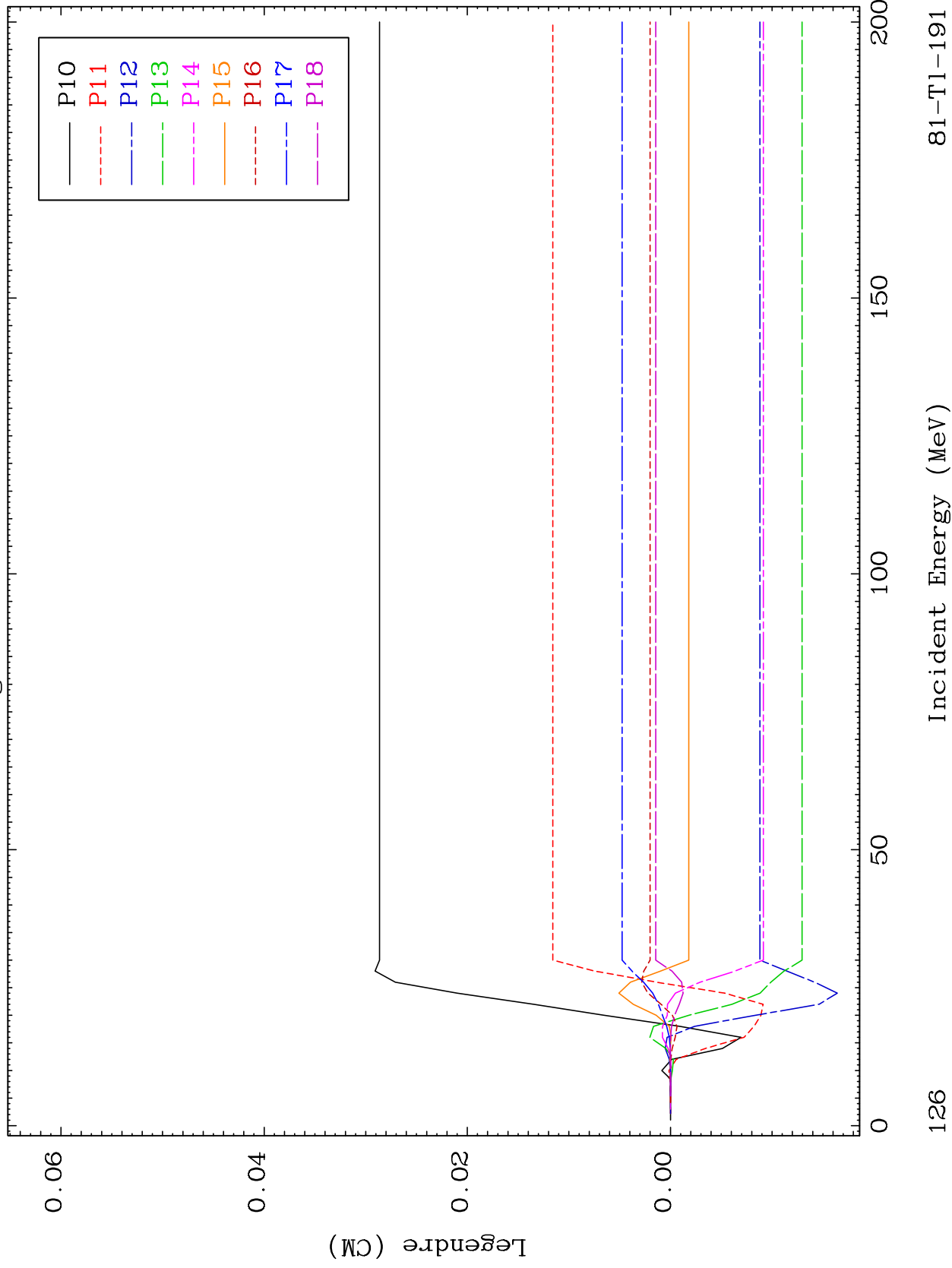
Incident Energy (MeV)

125

MAT 8089

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

81-Tl-191



126

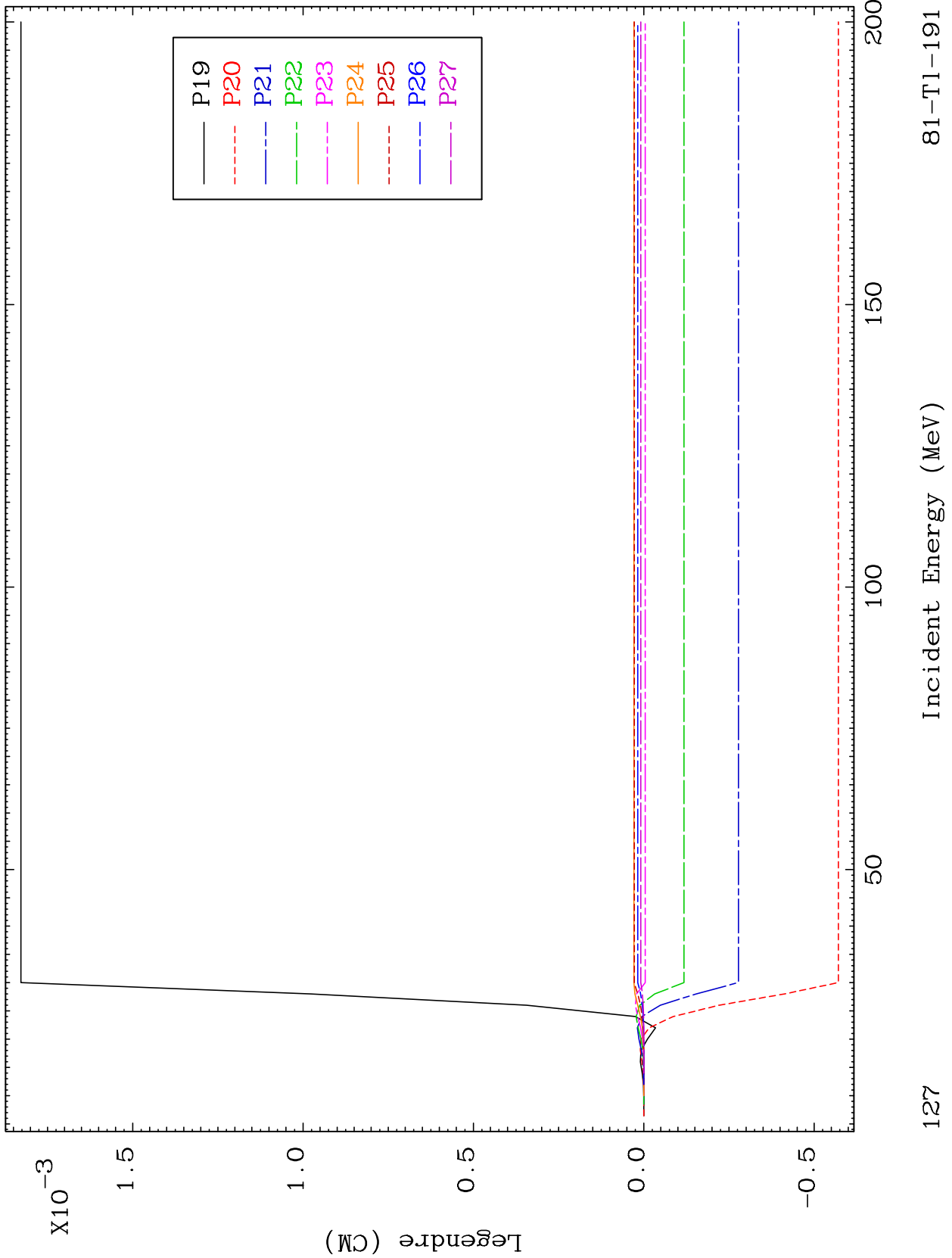
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



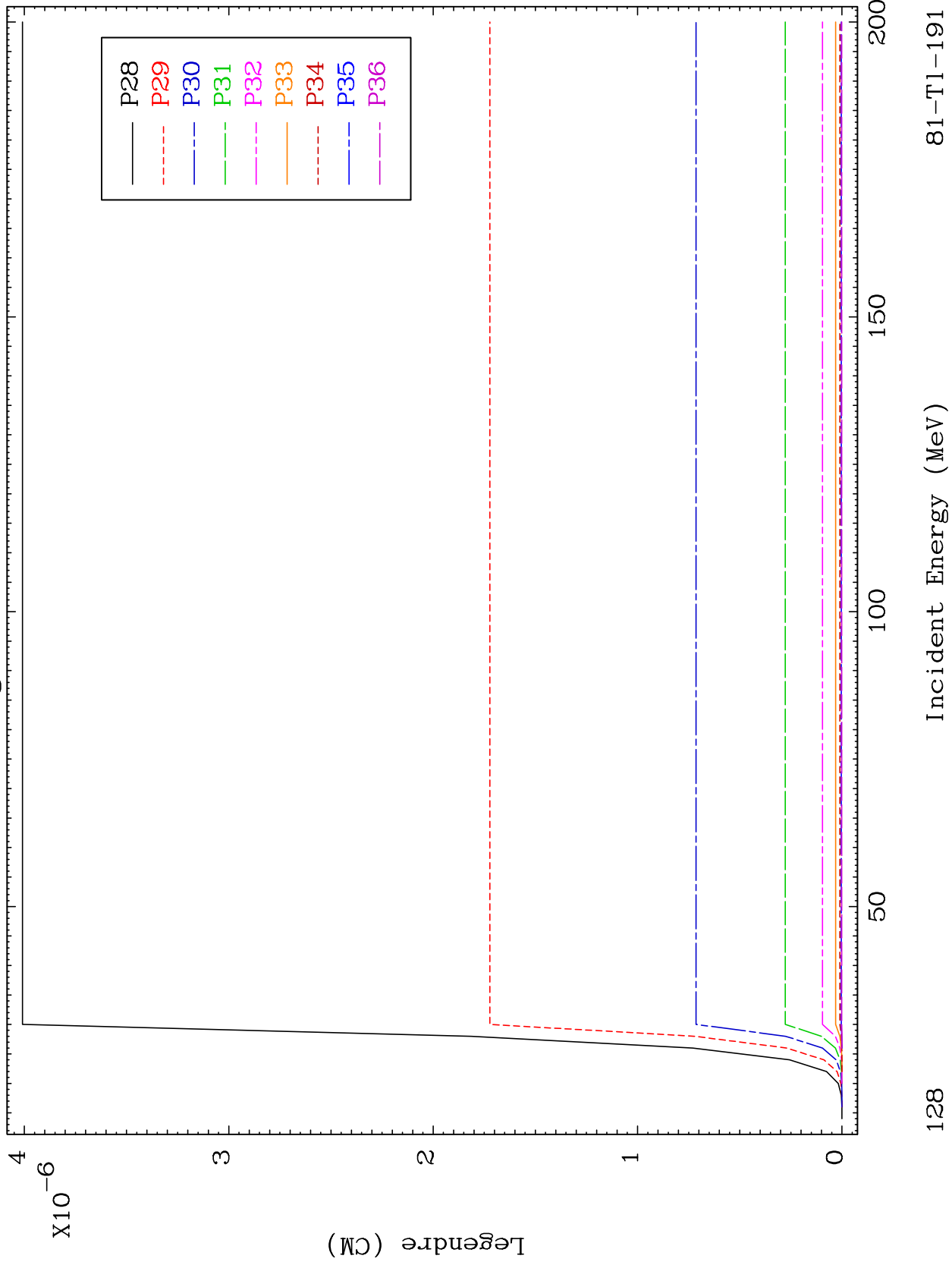
127

81-Tl-191

MAT 8089

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

81-Tl-191

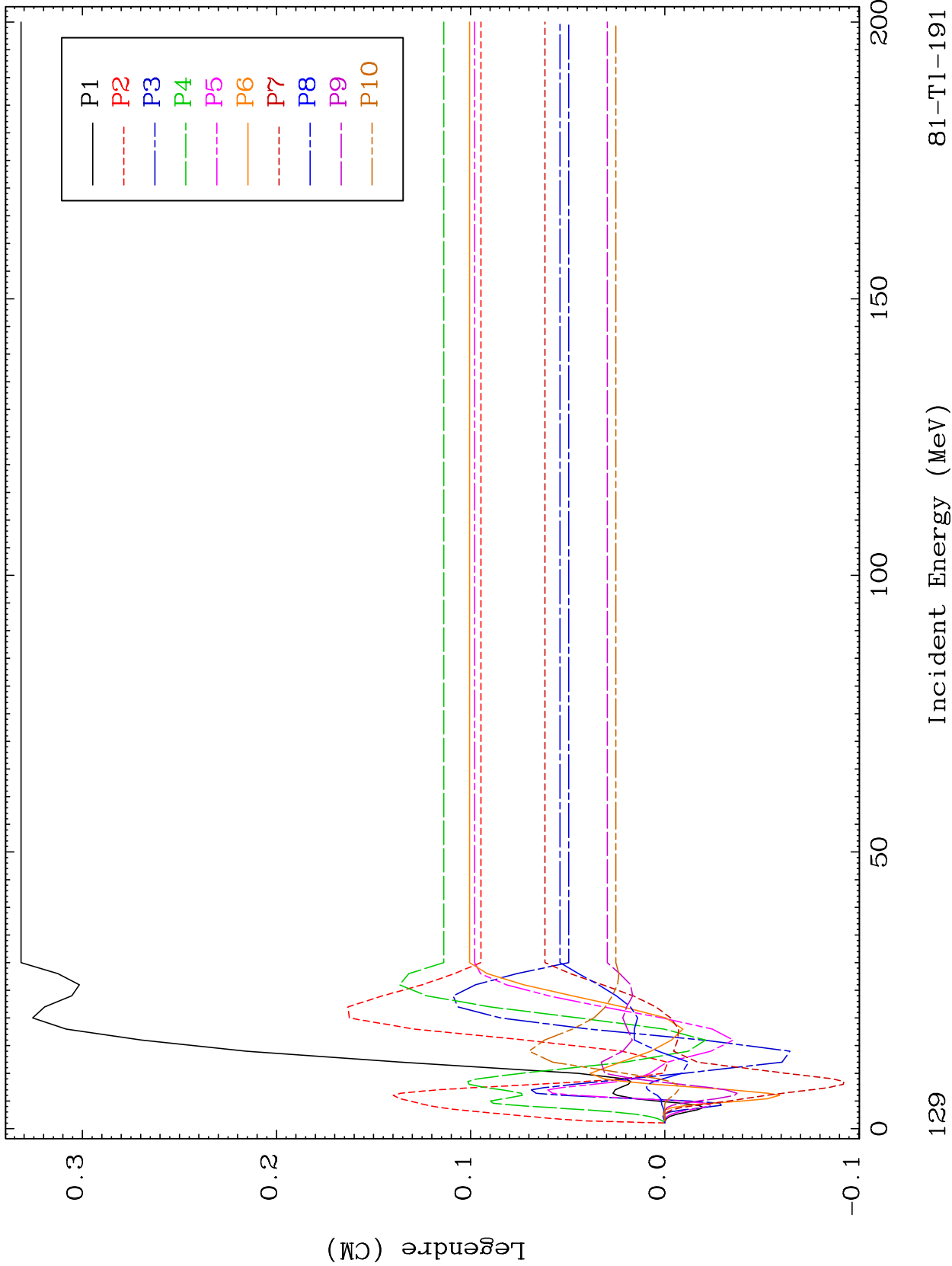


128

MAT 8089

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

81-Tl-191



81-Tl-191

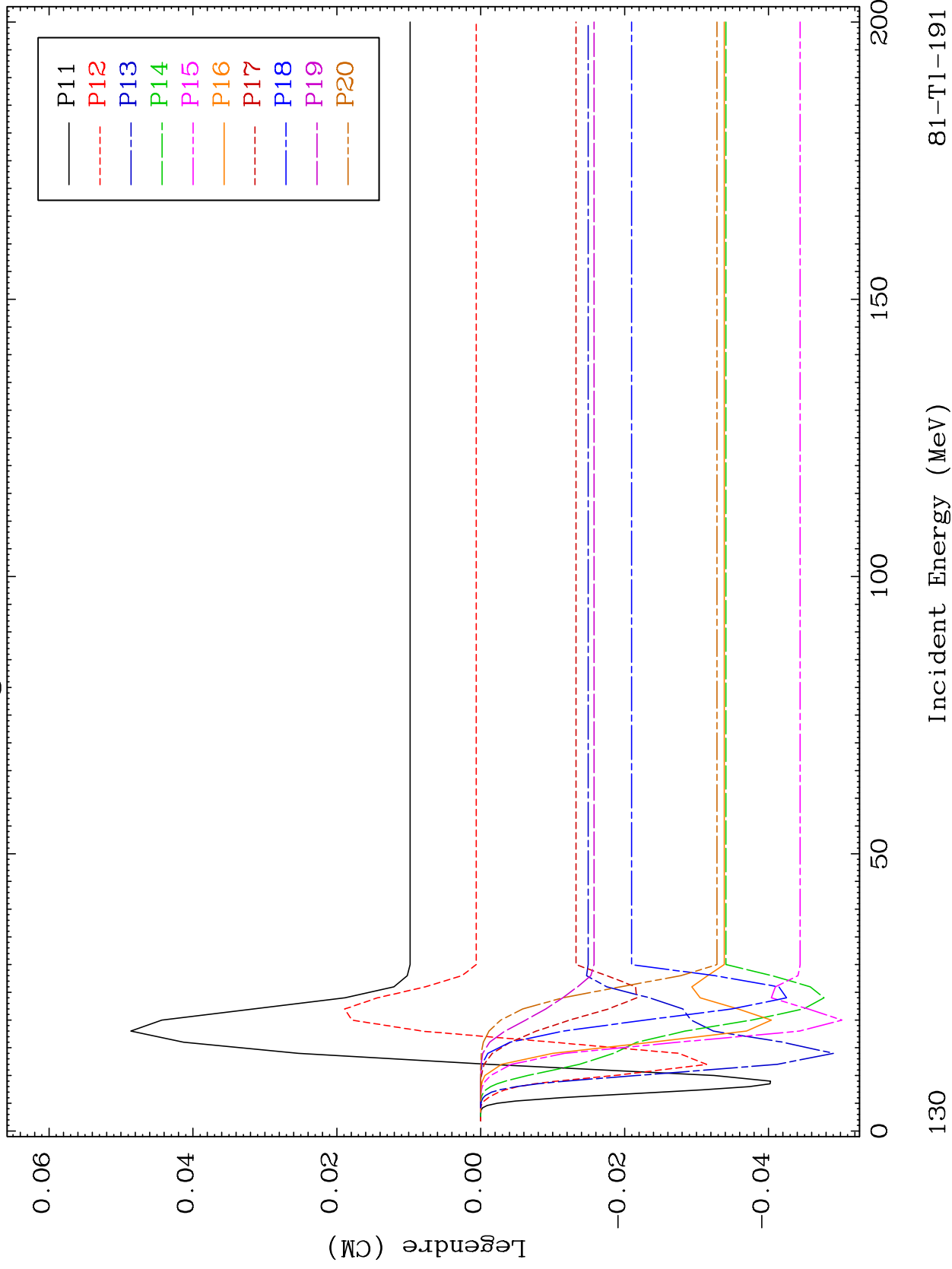
Incident Energy (MeV)

129

MAT 8089

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

81-Tl-191



81-Tl-191

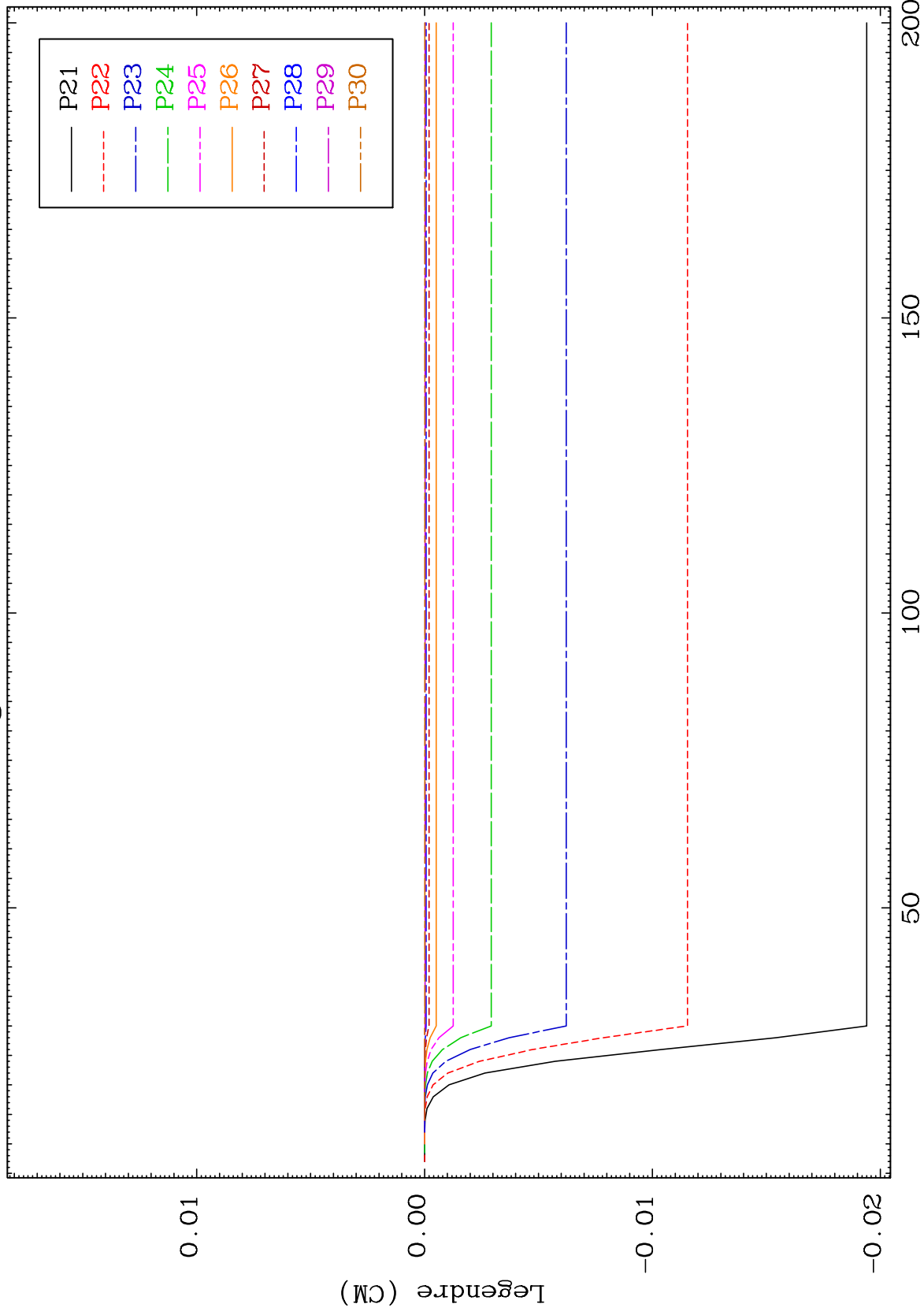
Incident Energy (MeV)

130

MAT 8089

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

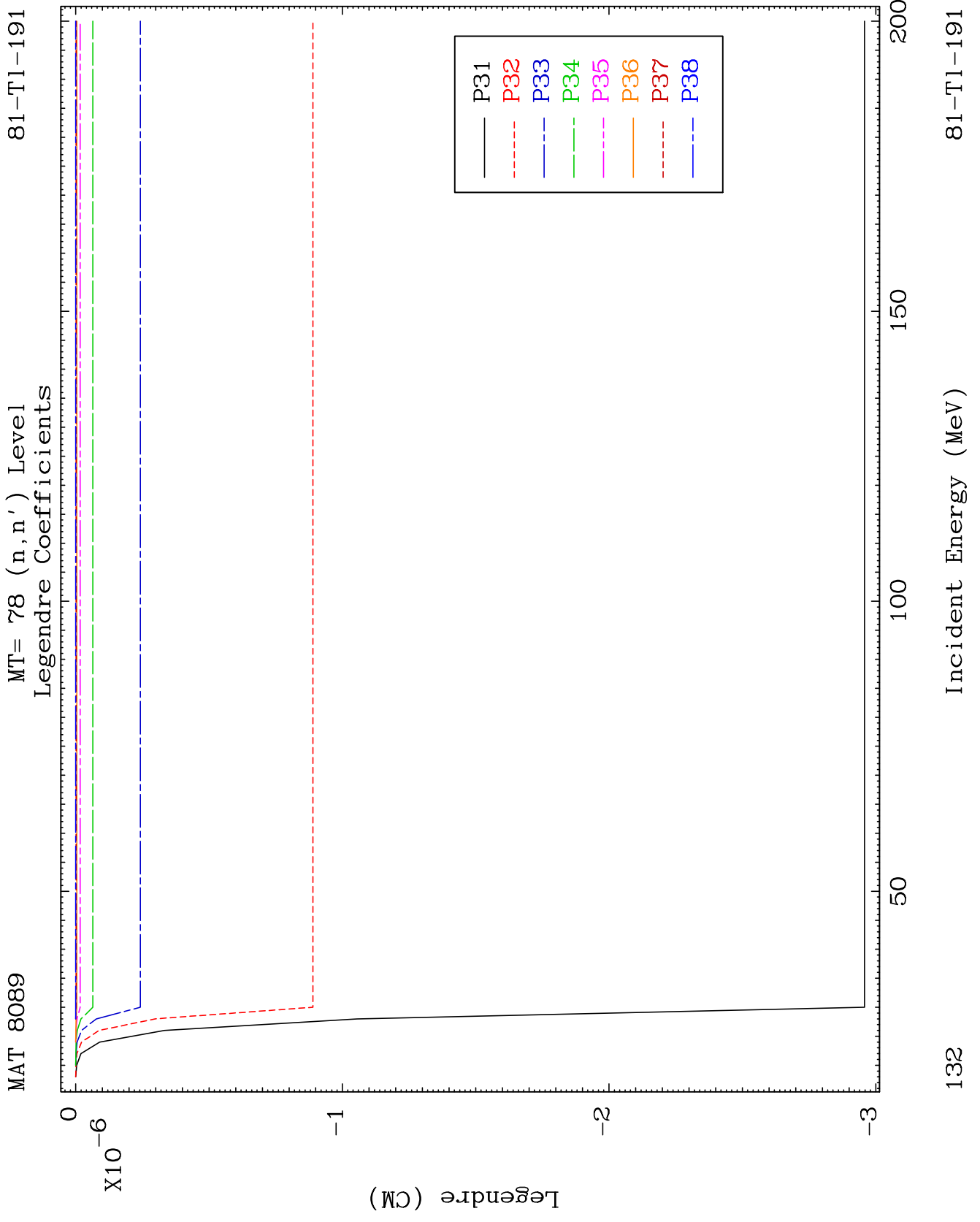
81-T1-191



131

Incident Energy (MeV)

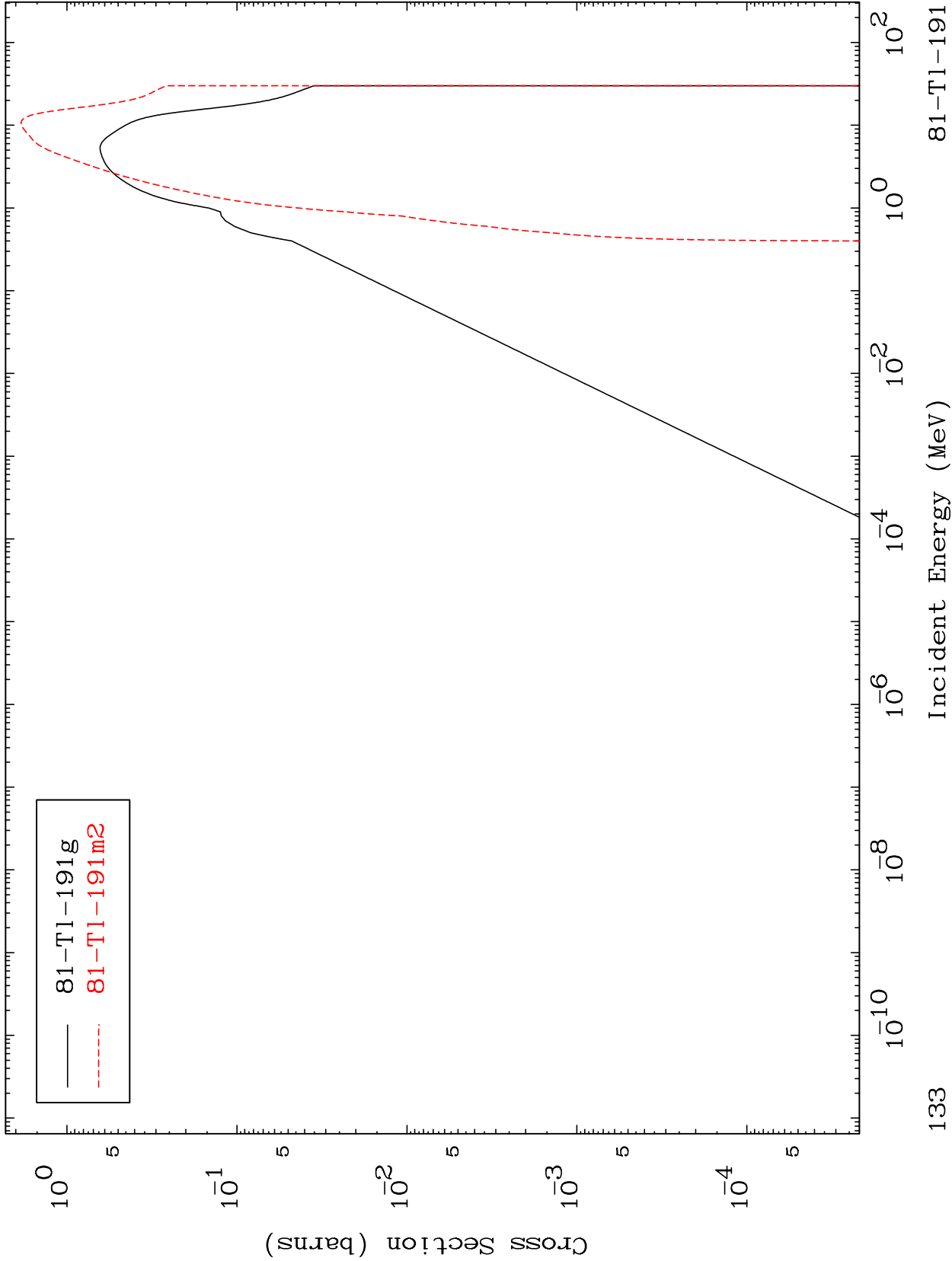
81-T1-191



MAT 8089

Inelastic
Radionuclide Production Cross Section

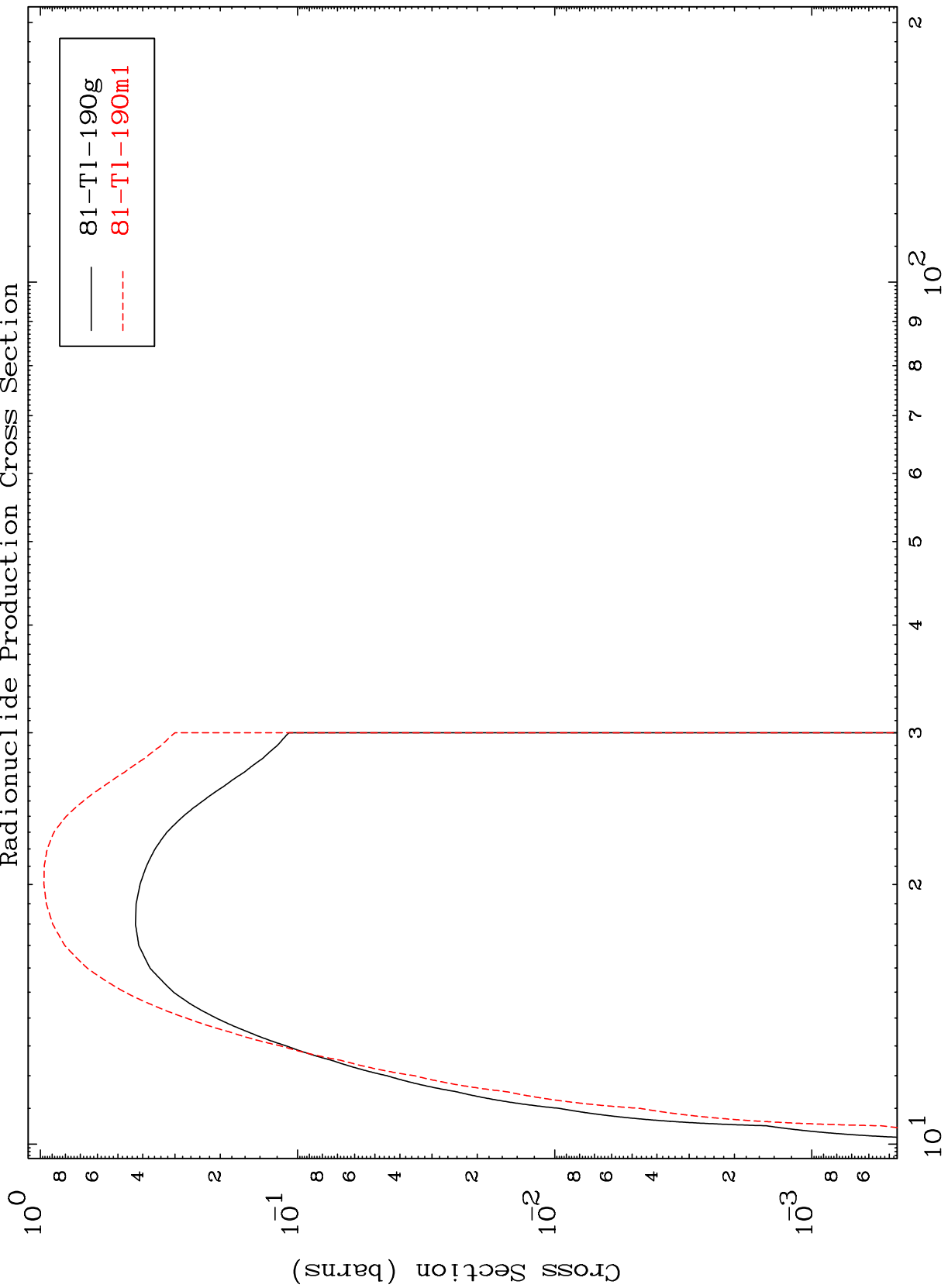
81-Tl-191



MAT 8089

81-Tl-191

(n,2n)
Radionuclide Production Cross Section



81-Tl-191

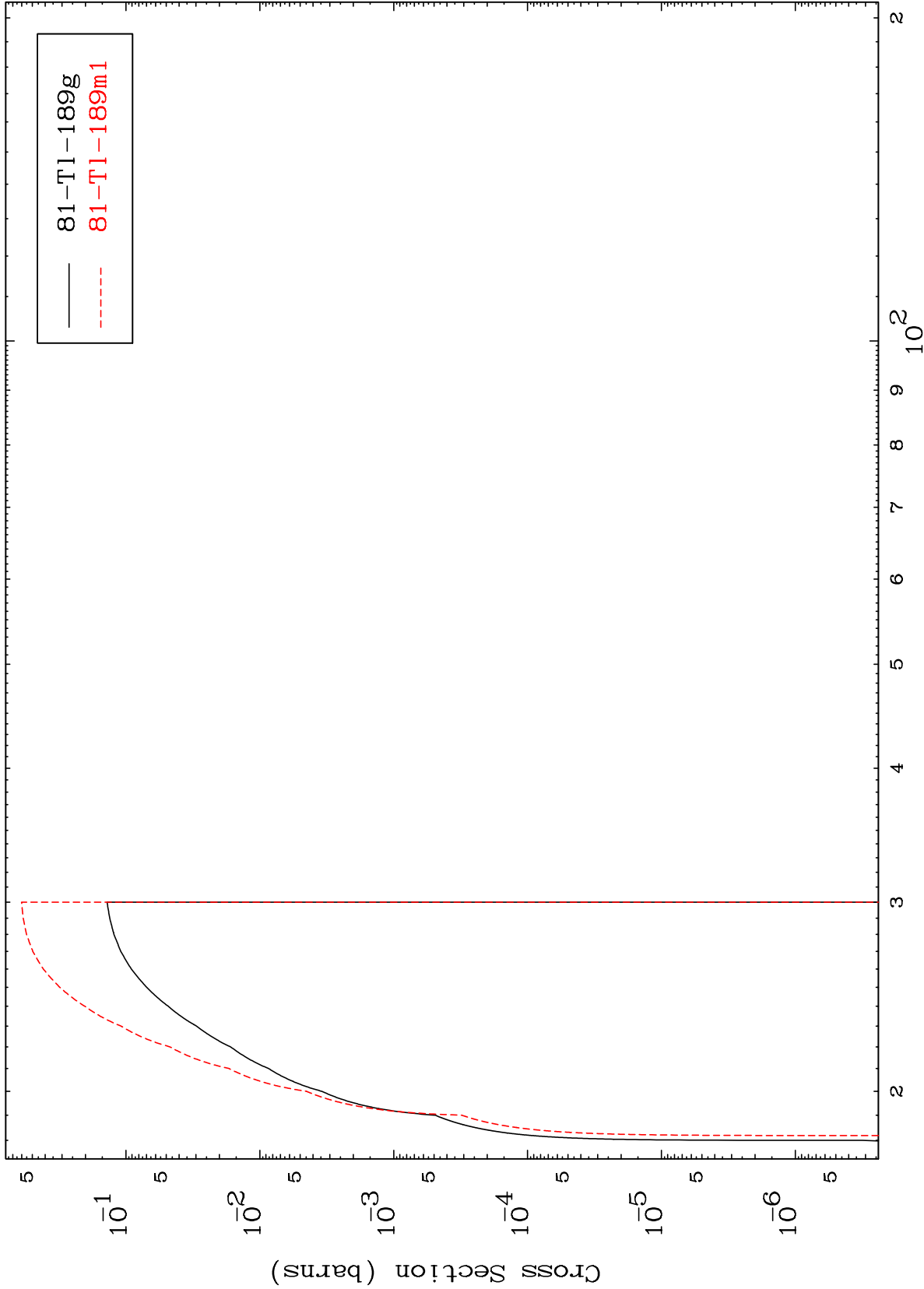
Incident Energy (MeV)

134

MAT 8089

81-Tl-191

(n,3n)
Radionuclide Production Cross Section



135

Incident Energy (MeV)

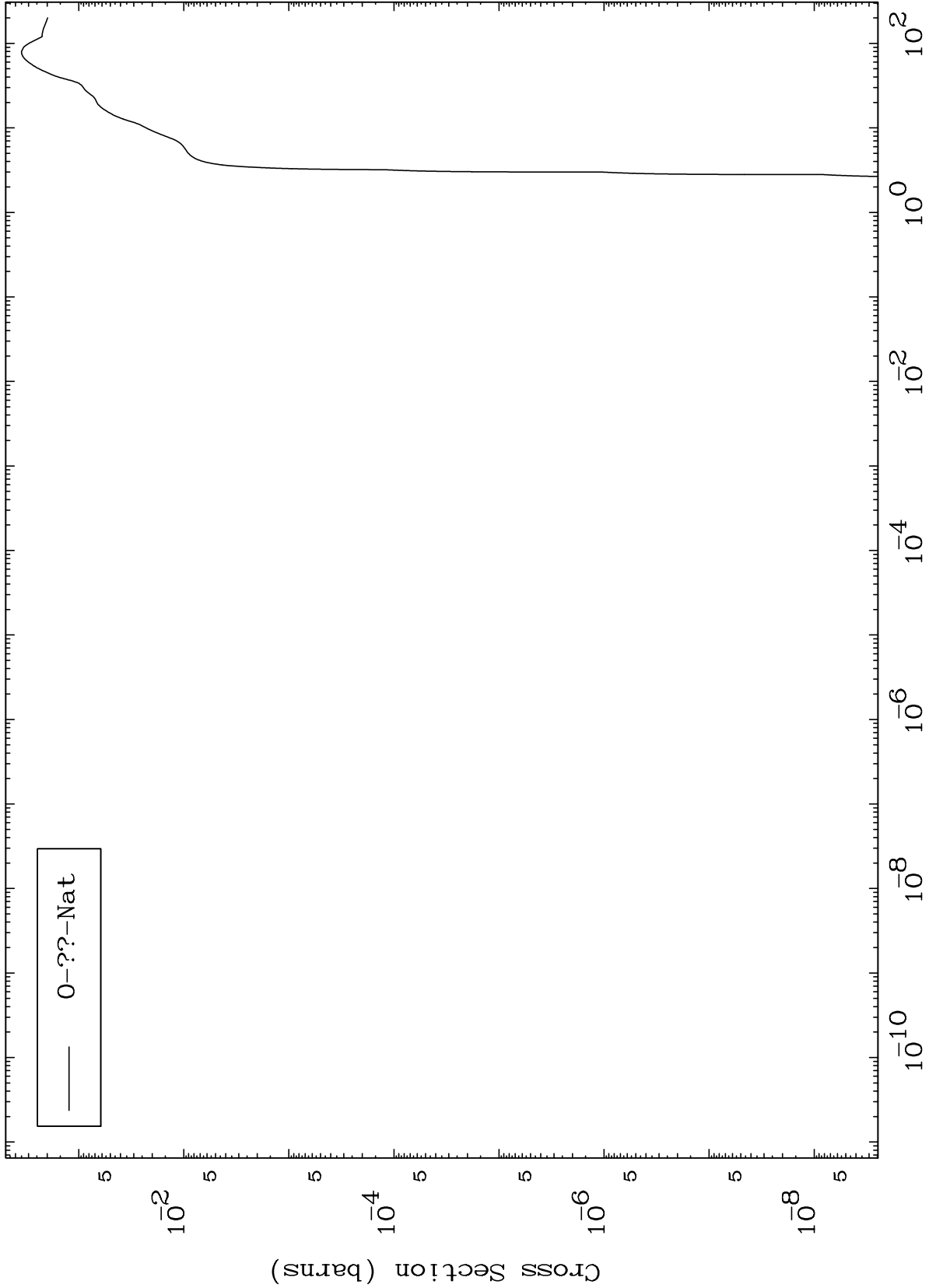
81-Tl-191

MAT 8089

Fission

81-Tl-191

Radionuclide Production Cross Section

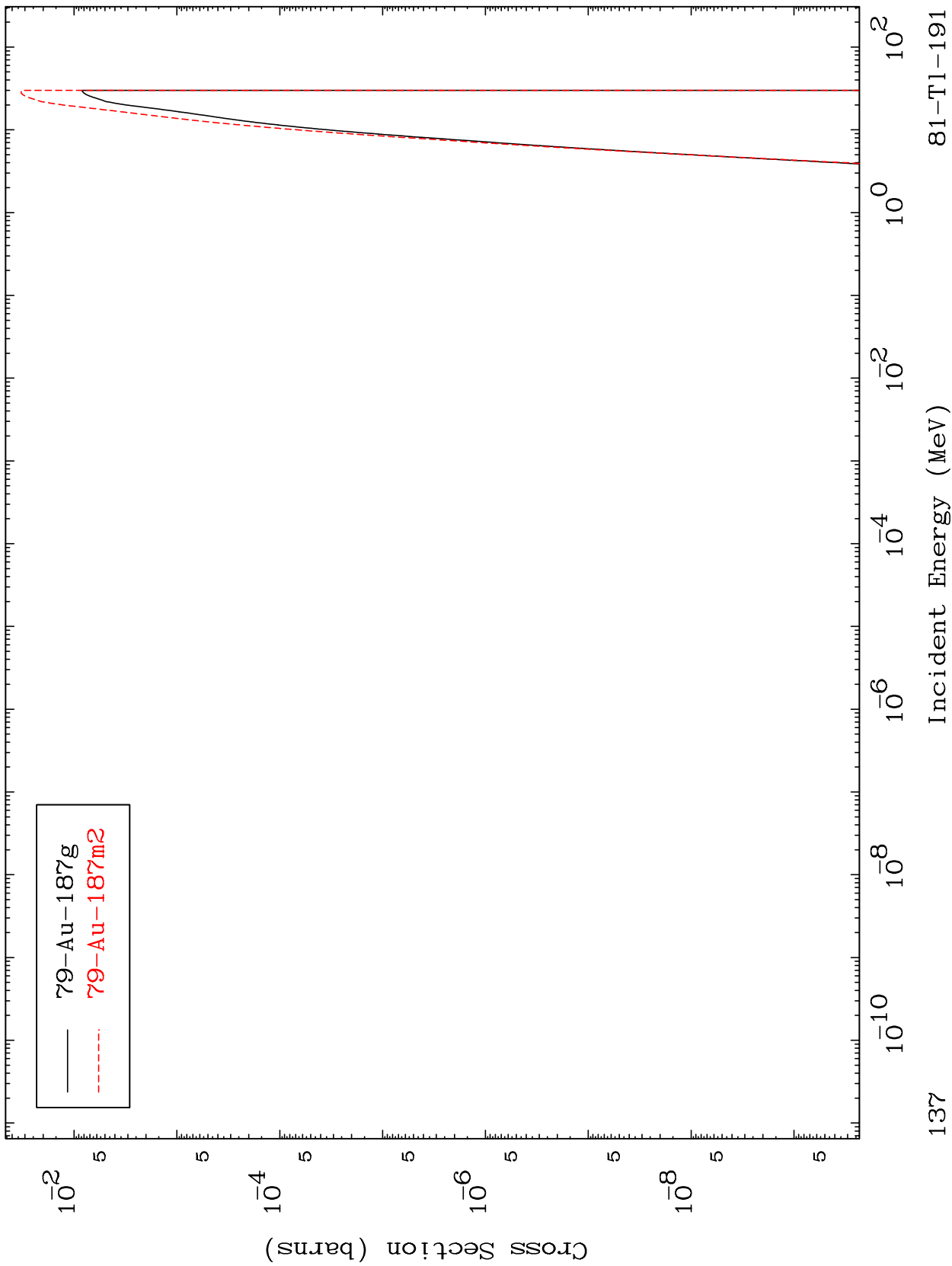


MAT 8089

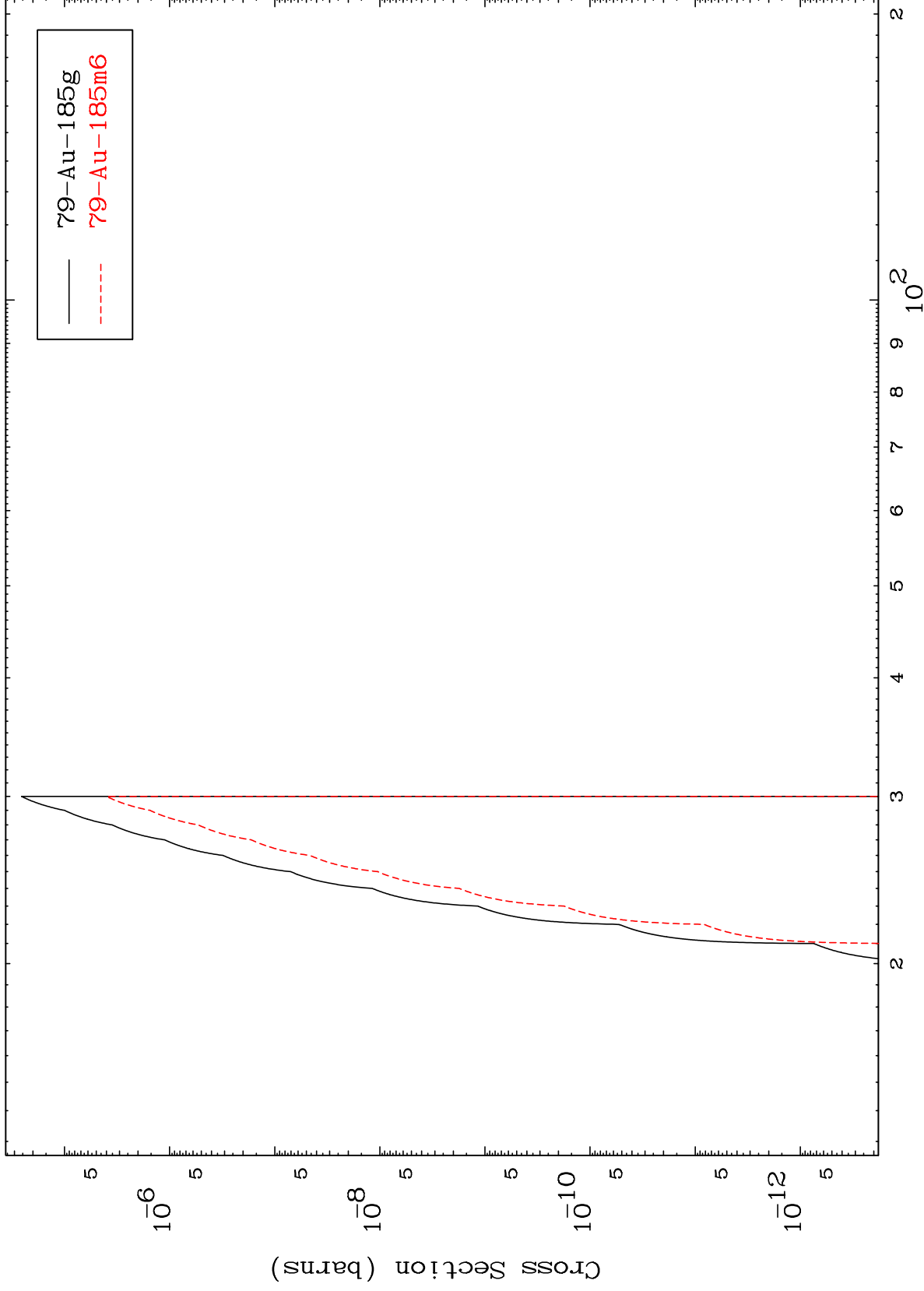
$(n, n') \alpha$

81-Tl-191

Radionuclide Production Cross Section



Radionuclide Production Cross Section

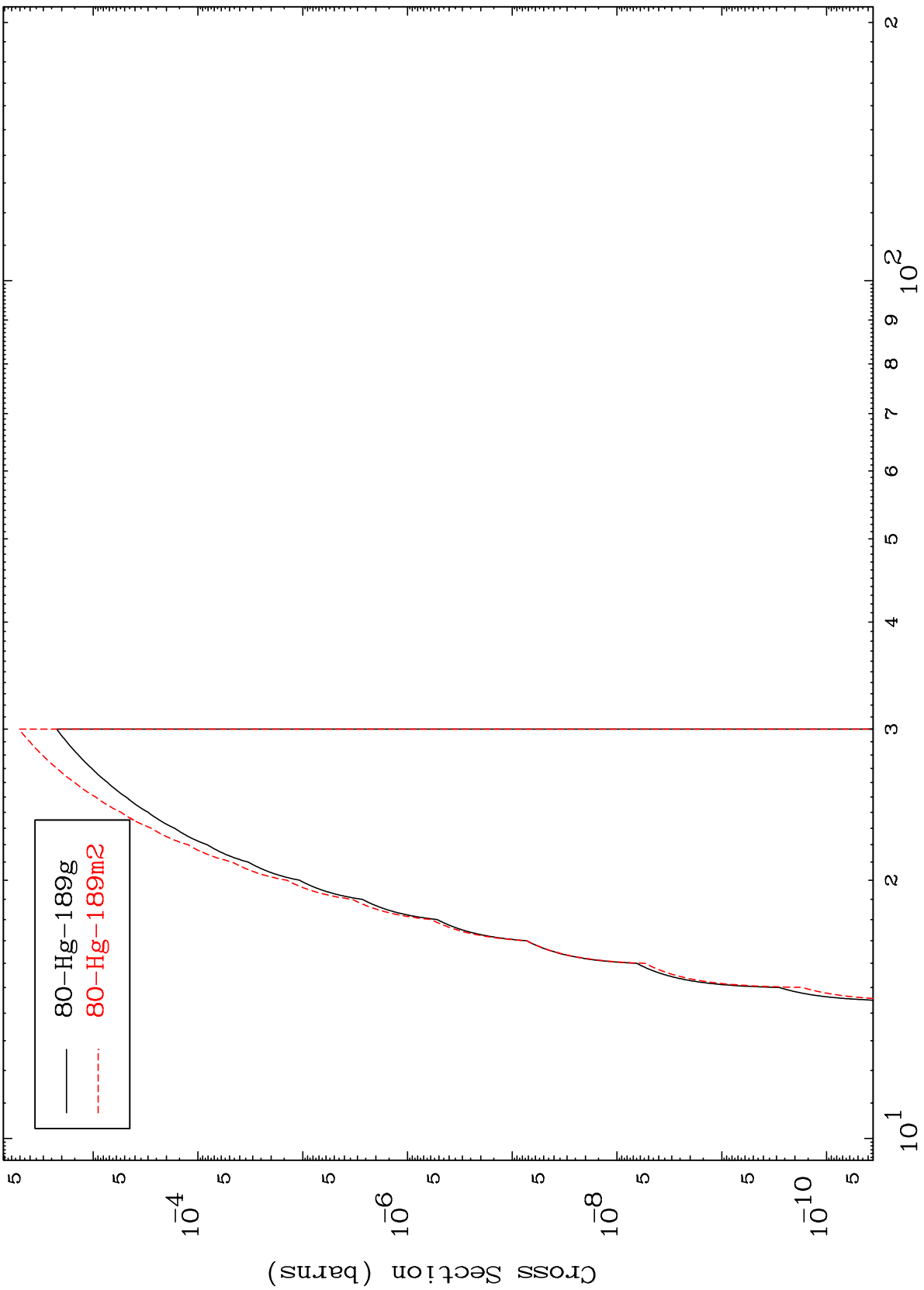


MAT 8089

(n,n') d

81-Tl-191

Radionuclide Production Cross Section



139

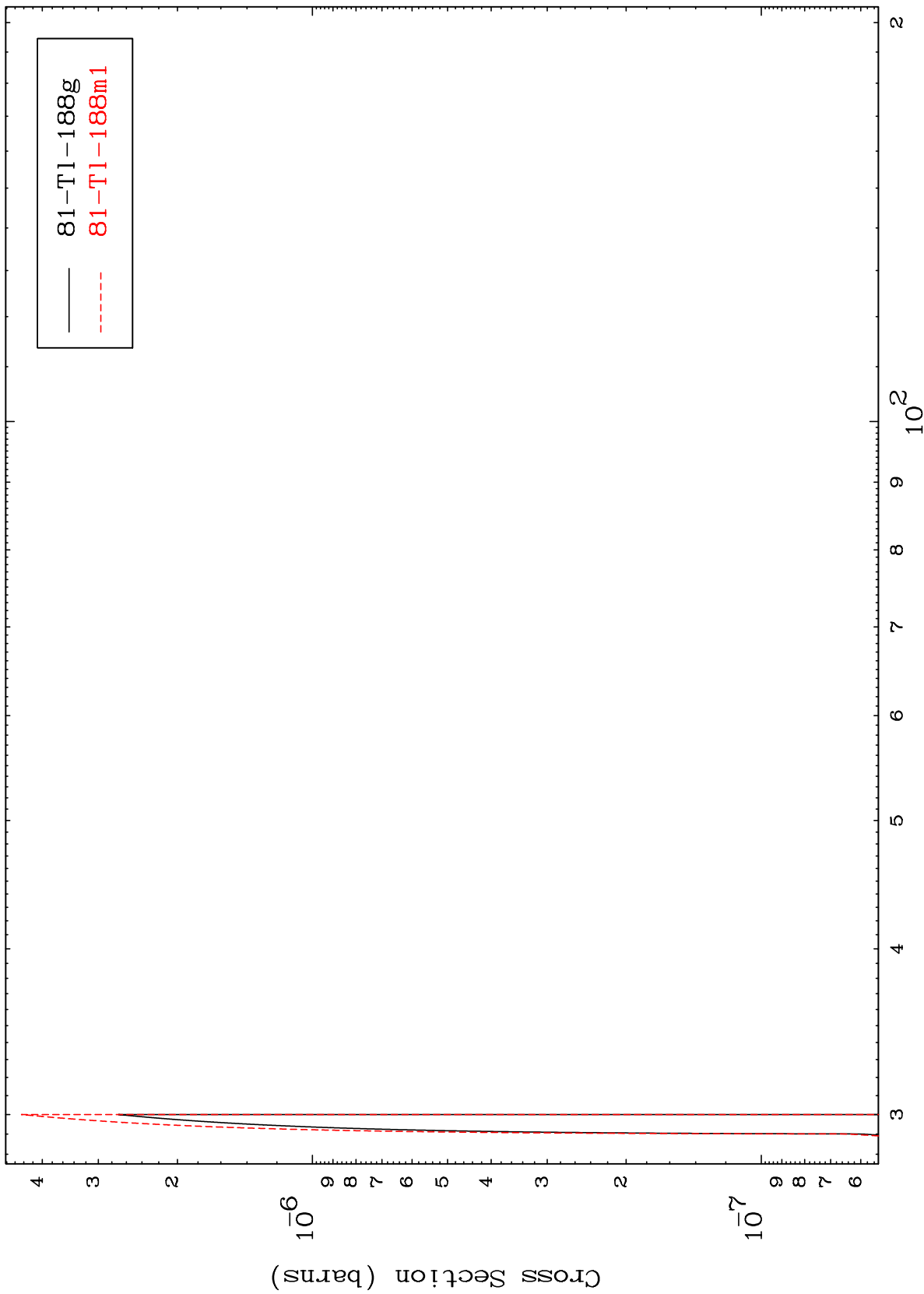
Incident Energy (MeV)

81-Tl-191

MAT 8089

81-Tl-191

(n,4n)
Radionuclide Production Cross Section



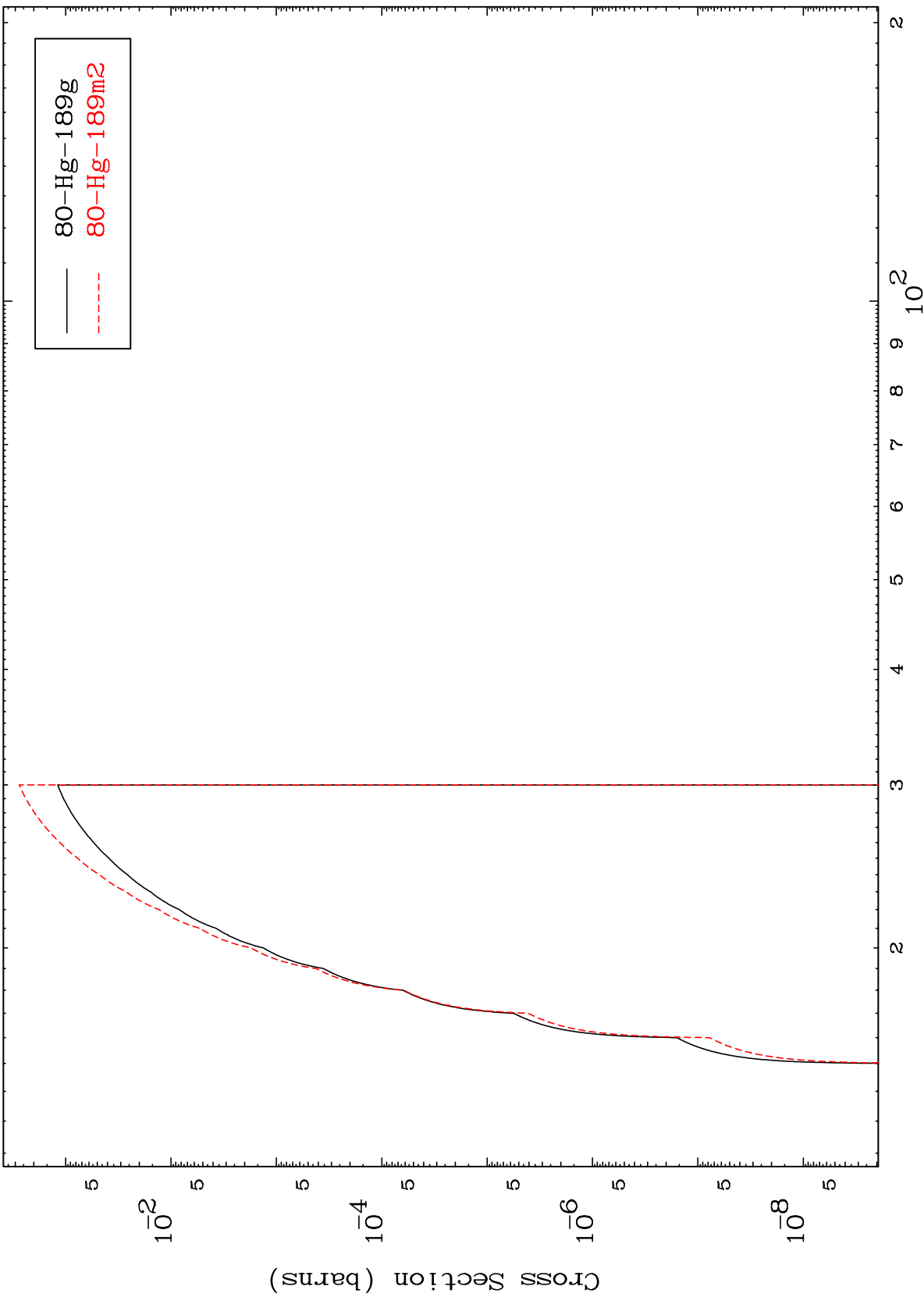
81-Tl-188g
81-Tl-188m1

140

81-Tl-191

Incident Energy (MeV)

Radionuclide Production Cross Section

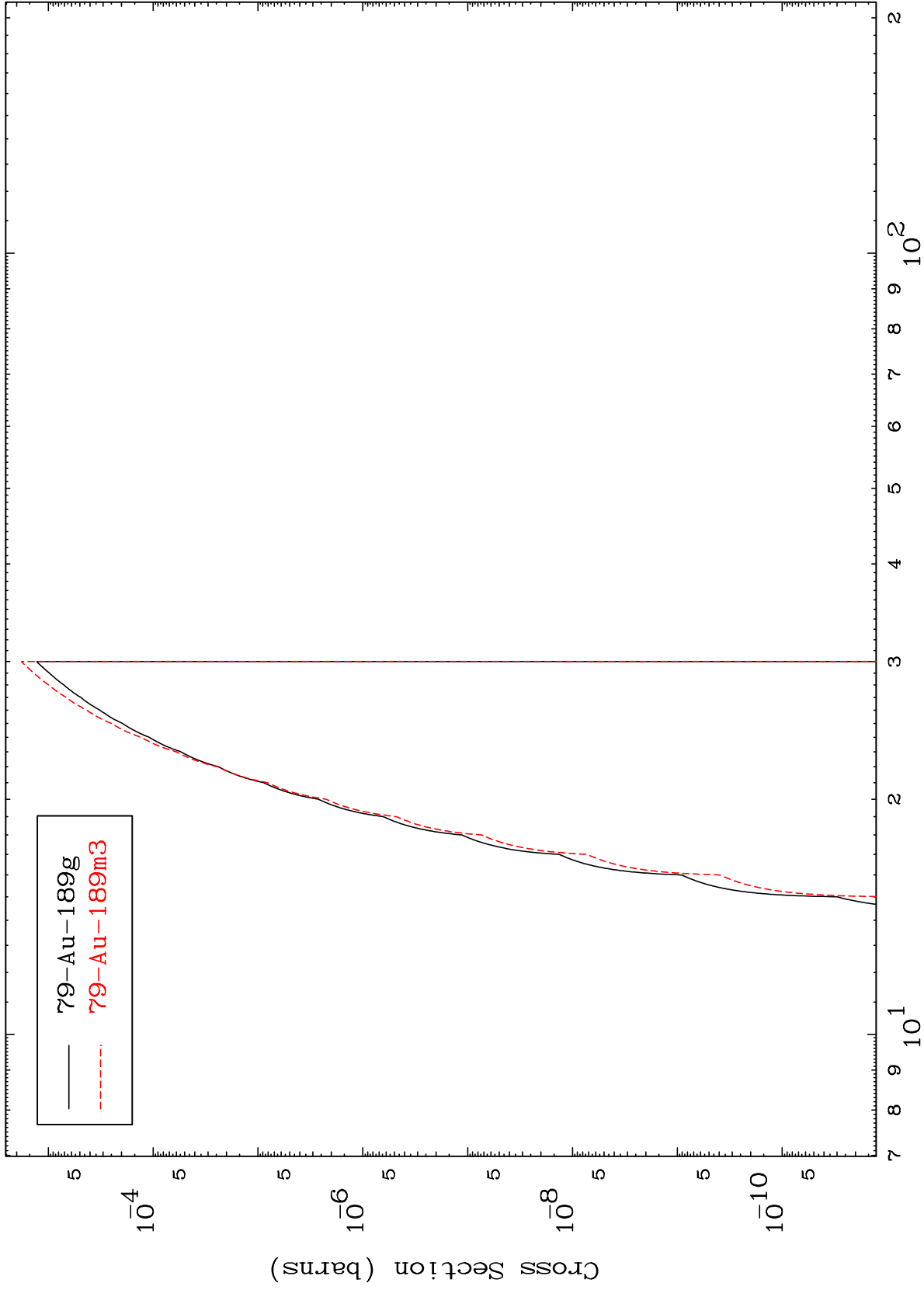


MAT 8089

(n,2n) p

81-Tl-191

Radionuclide Production Cross Section



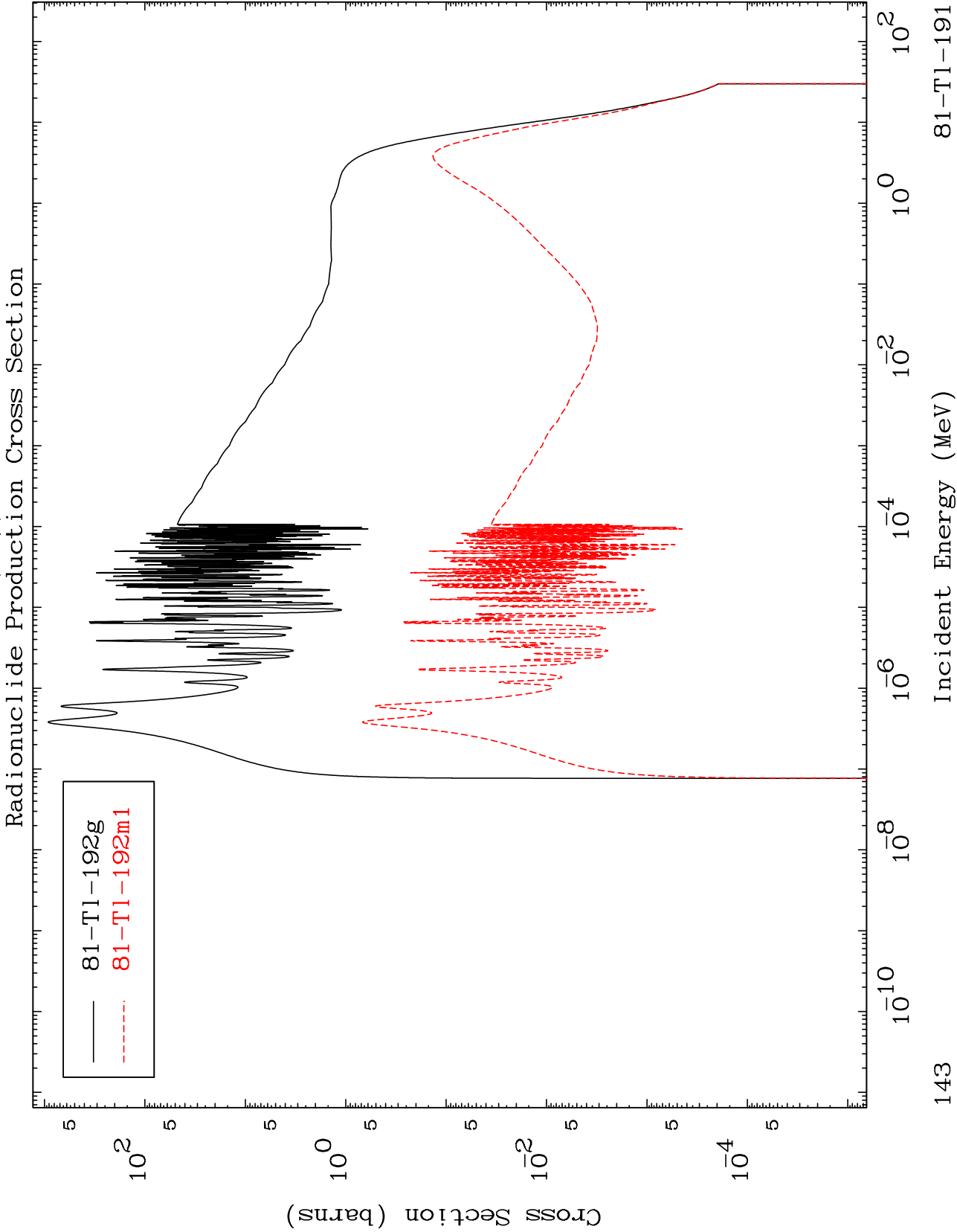
142

Incident Energy (MeV)

81-Tl-191

MAT 8089

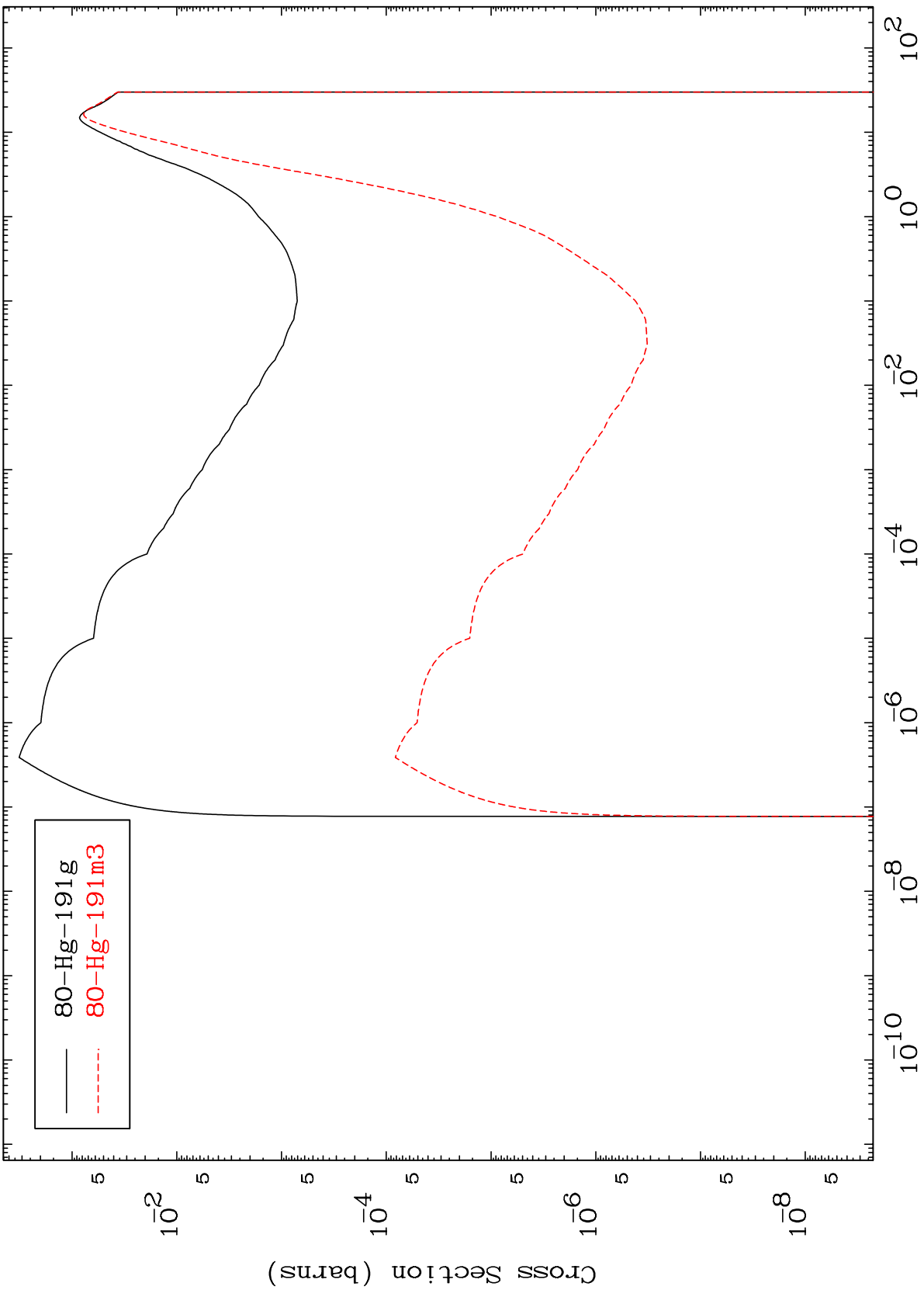
81-Tl-191



MAT 8089

81-Tl-191

Radionuclide Production Cross Section (n,p)



80-Hg-191g
80-Hg-191m3

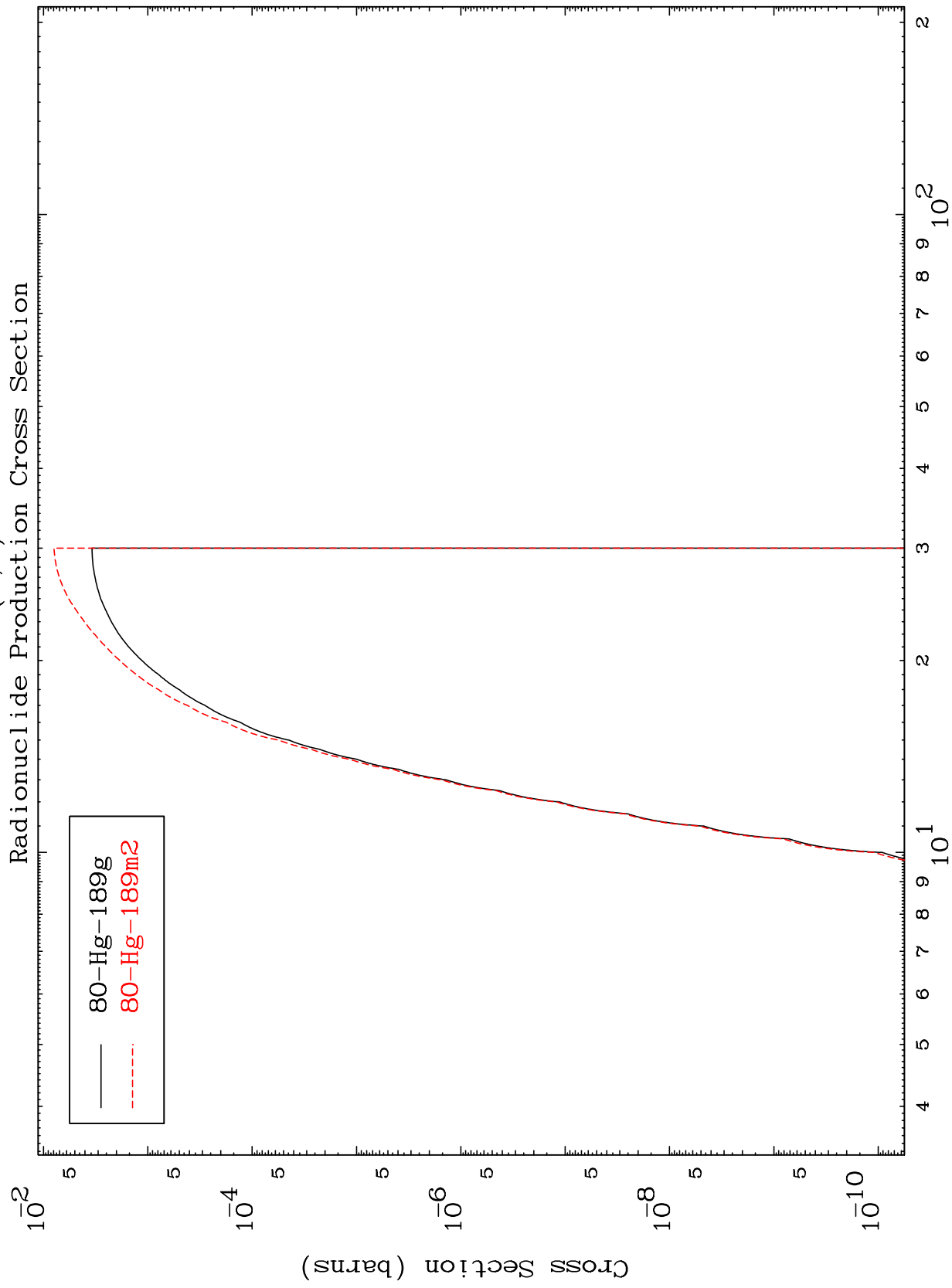
81-Tl-191

Incident Energy (MeV)

144

MAT 8089

81-Tl-191



145

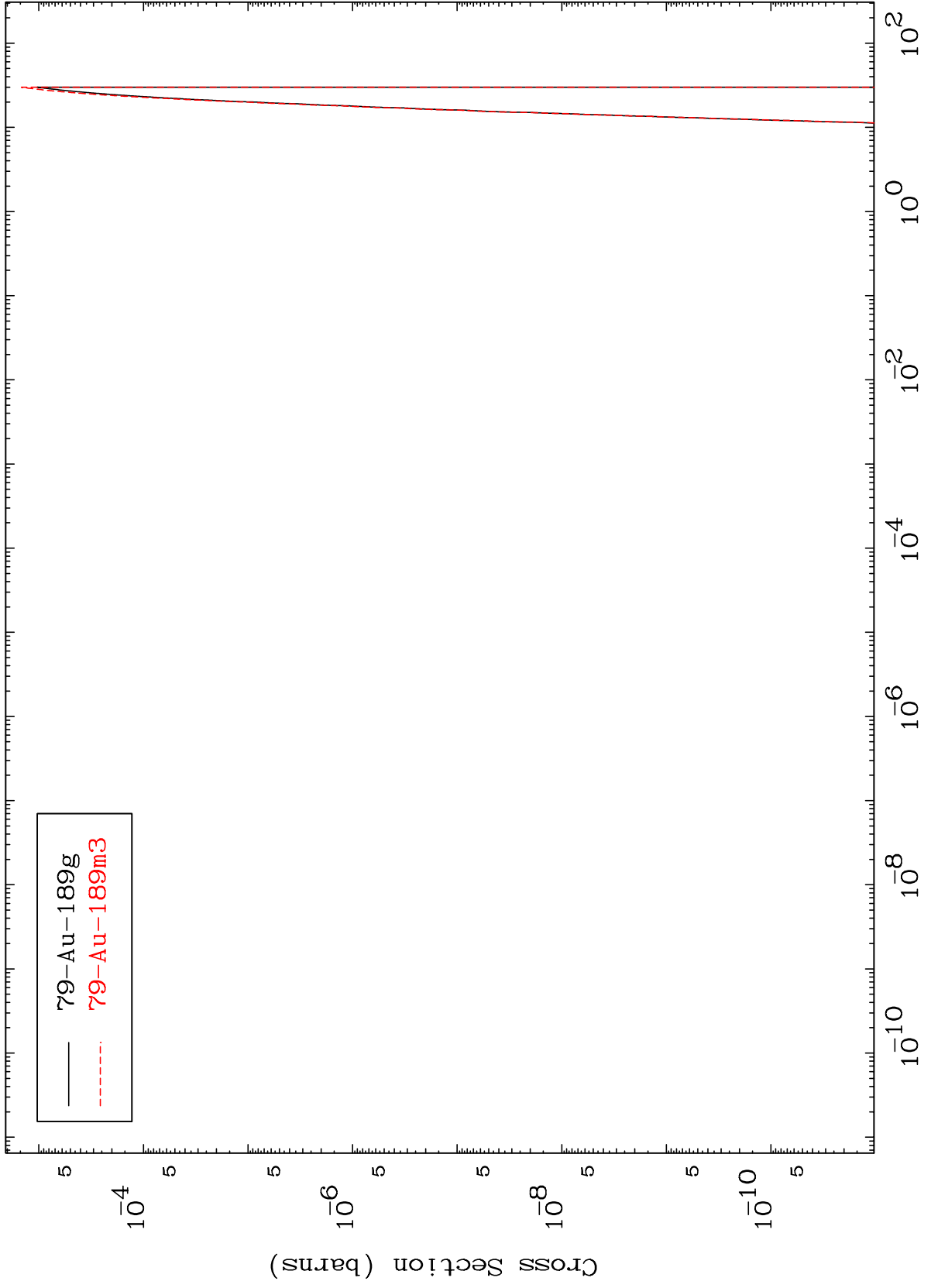
81-Tl-191

MAT 8089

(n,He-3)

81-Tl-191

Radionuclide Production Cross Section



146

Incident Energy (MeV)

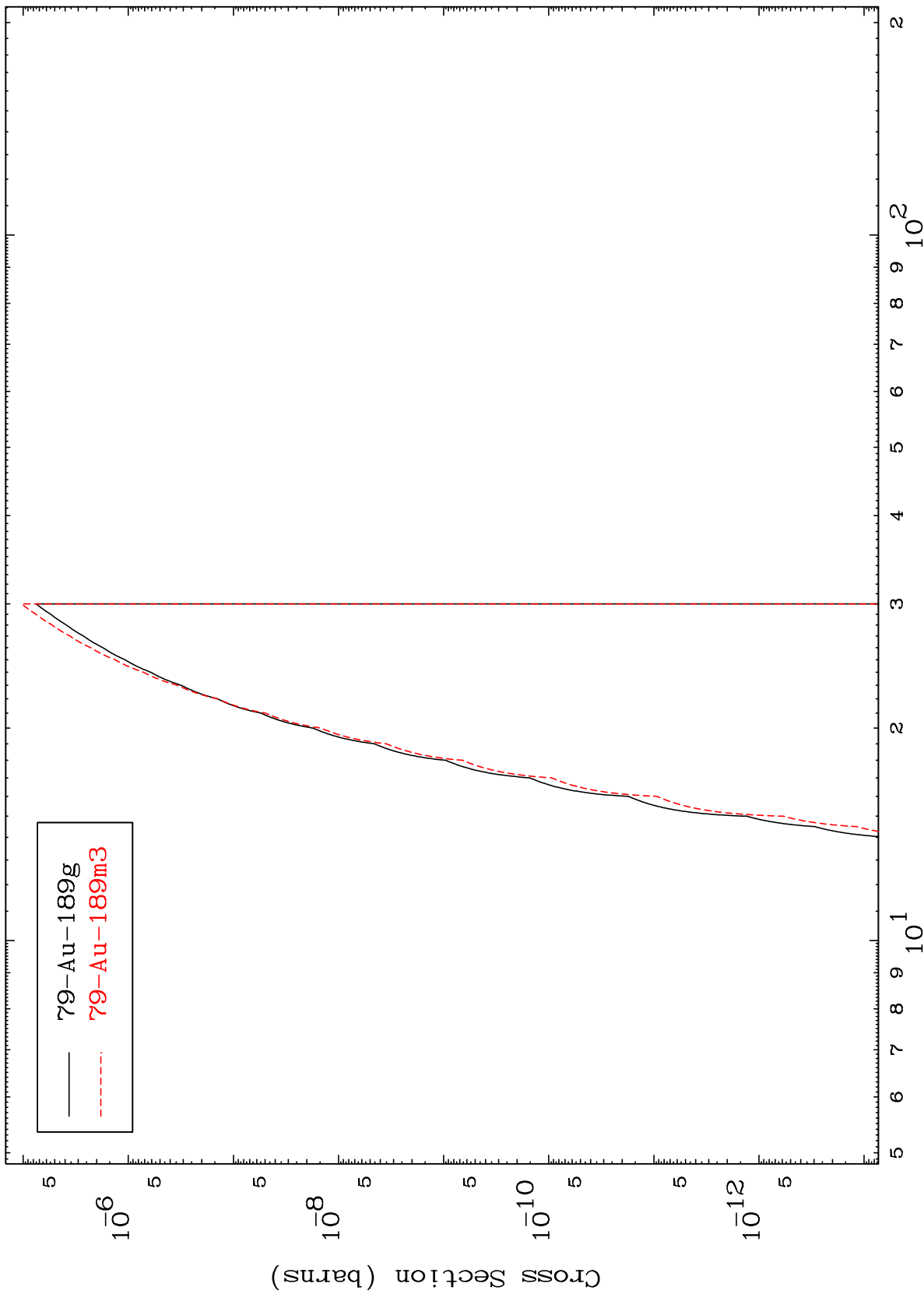
81-Tl-191

MAT 8089

(n,p) d

81-Tl-191

Radionuclide Production Cross Section



147

Incident Energy (MeV)

81-Tl-191