

Program EVALPLOT  
(Version 2021-1)

by

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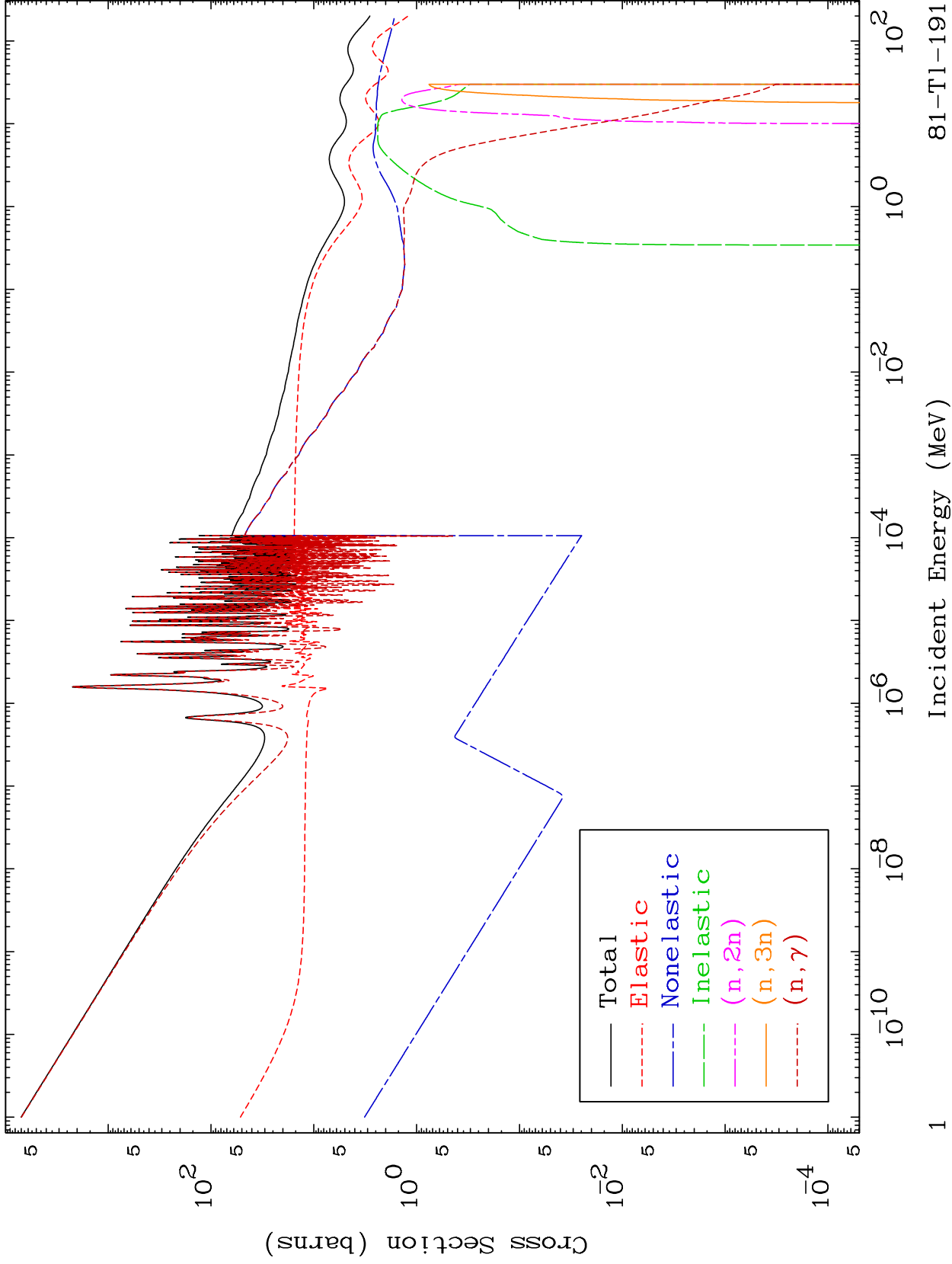
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8089

Neutron Major  
293 Kelvin Cross Sections

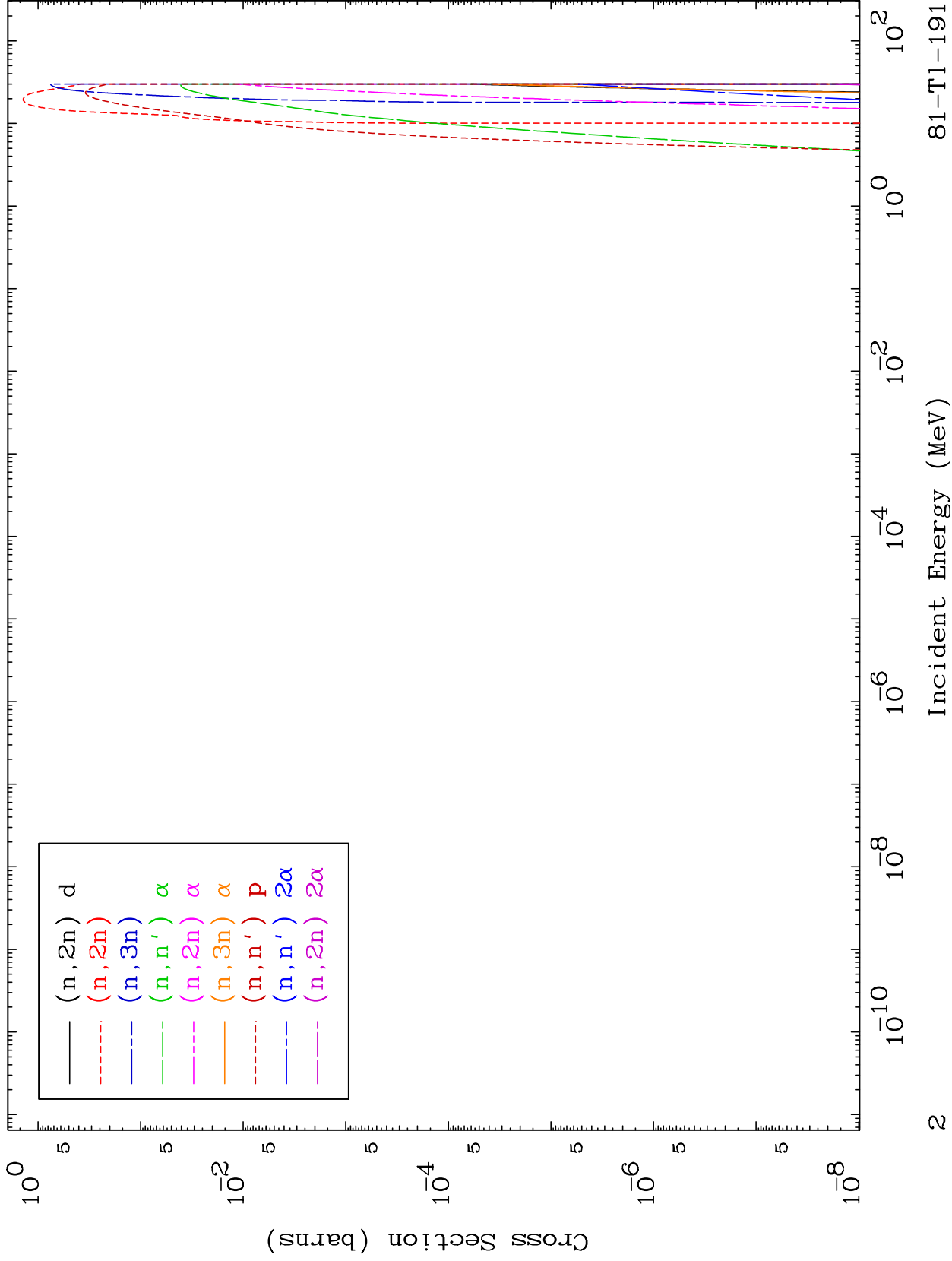
81-Tl-191

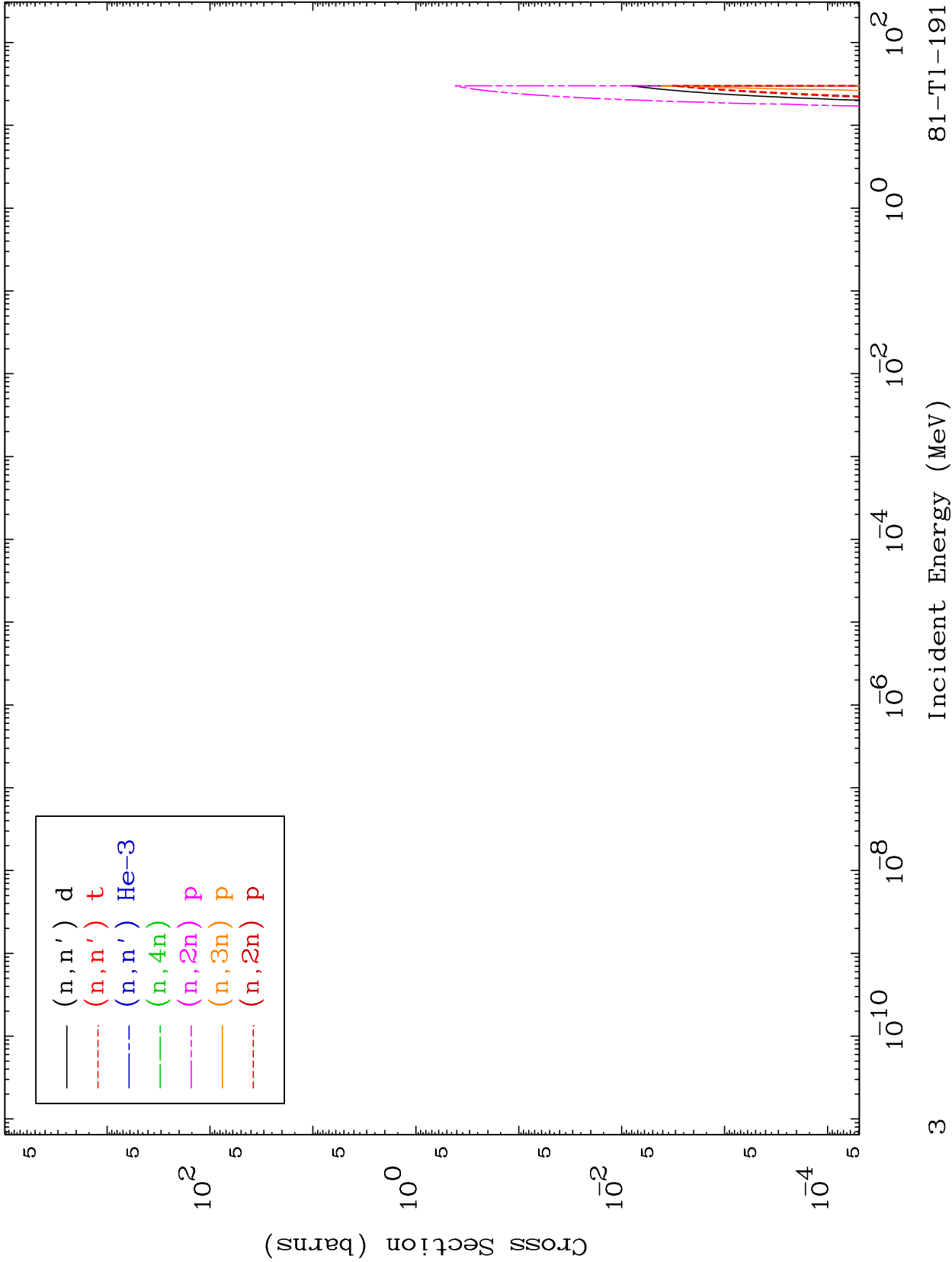


MAT 8089

Neutron Absorption  
293 Kelvin Cross Sections

81-Tl-191

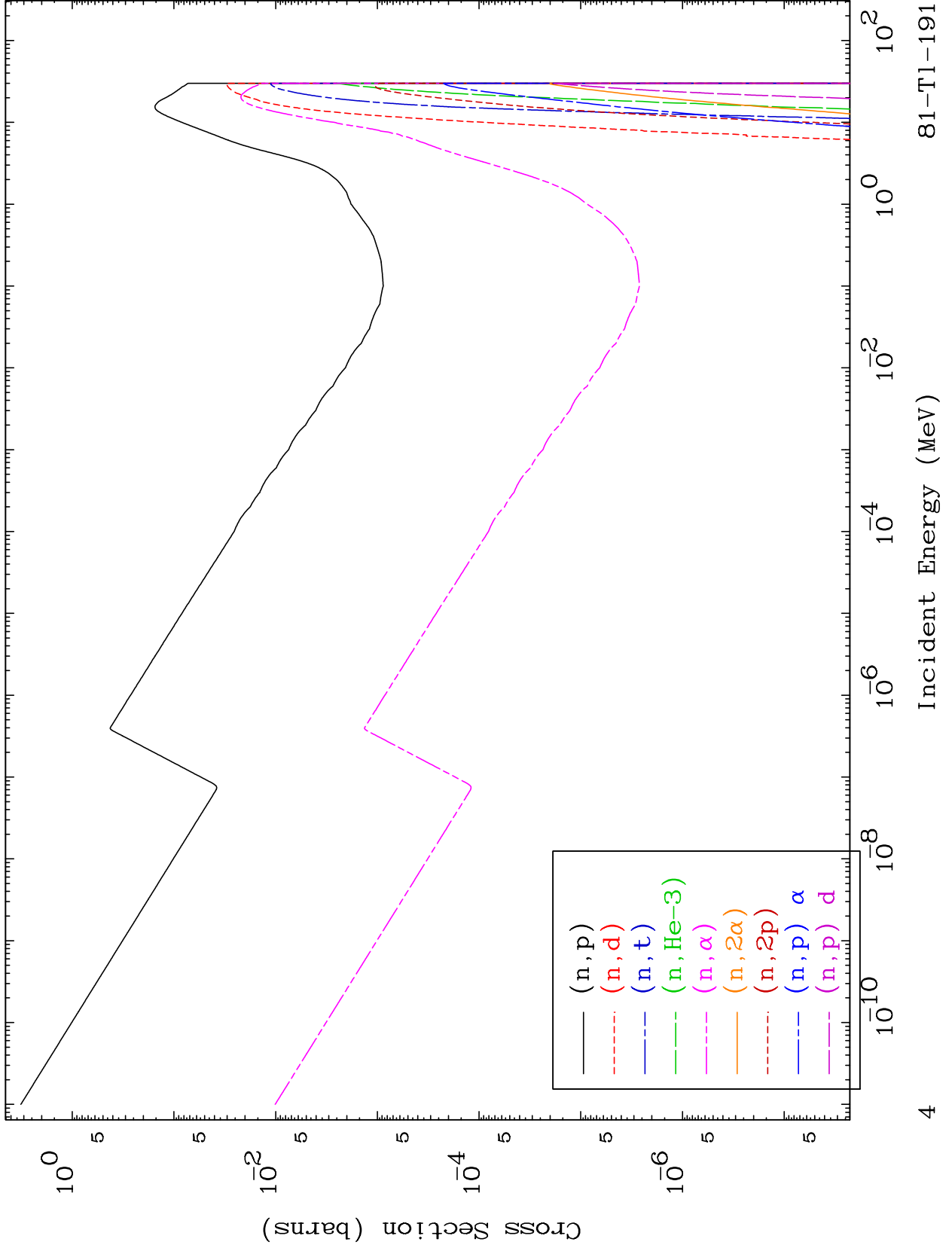


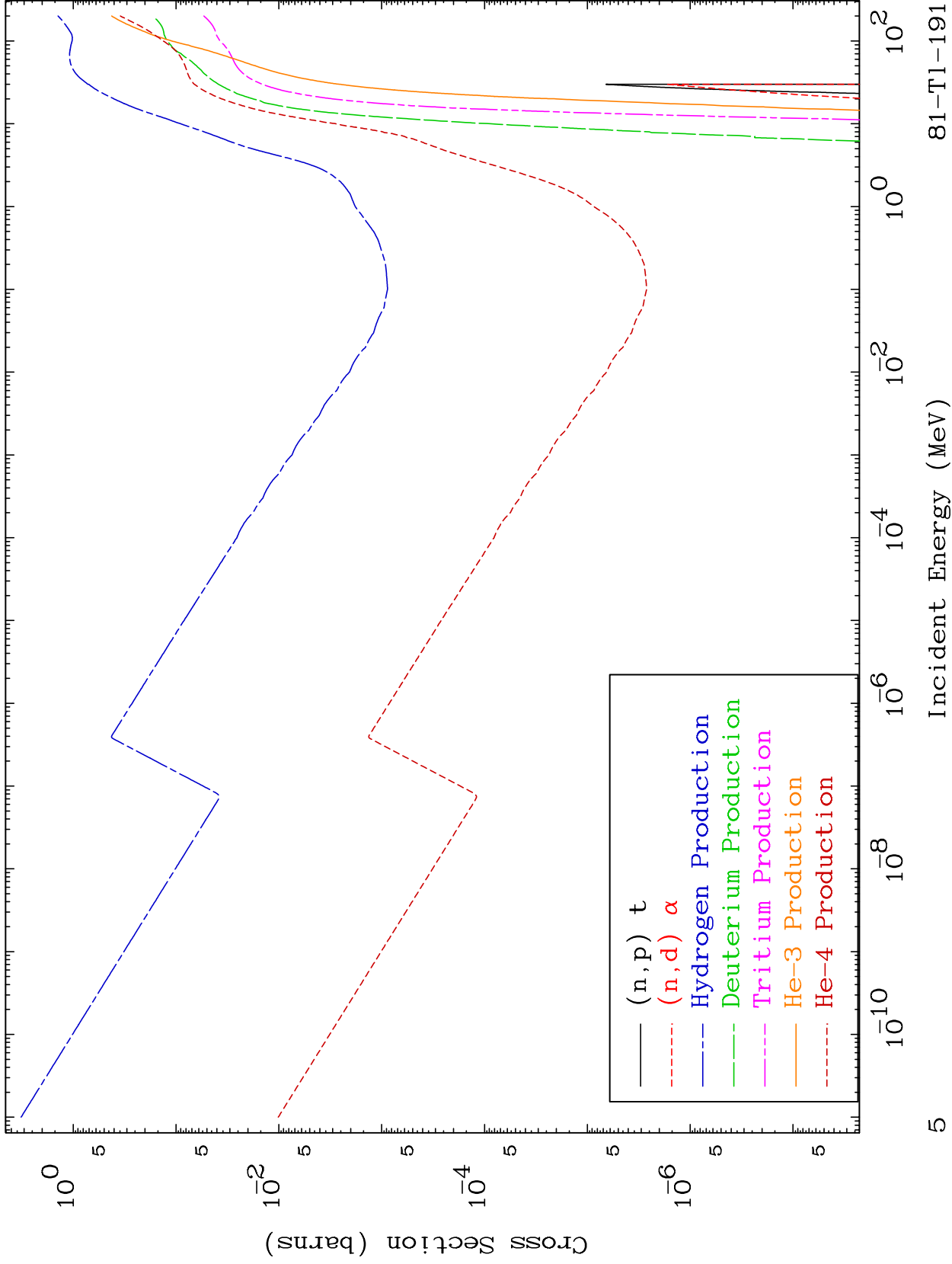


MAT 8089

Neutron Absorption  
293 Kelvin Cross Sections

81-Tl-191

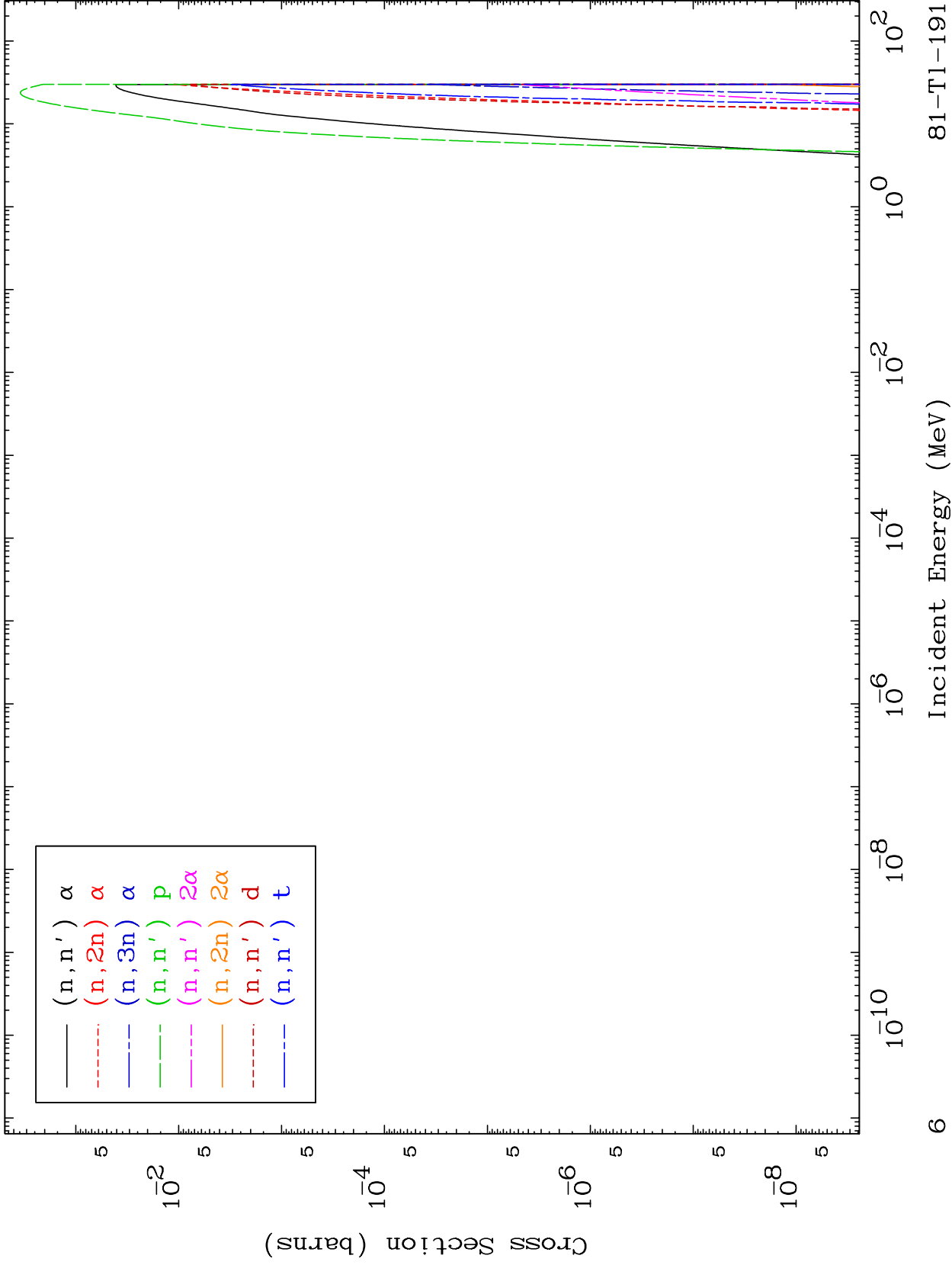




MAT 8089

Charged Particle  
293 Kelvin Cross Sections

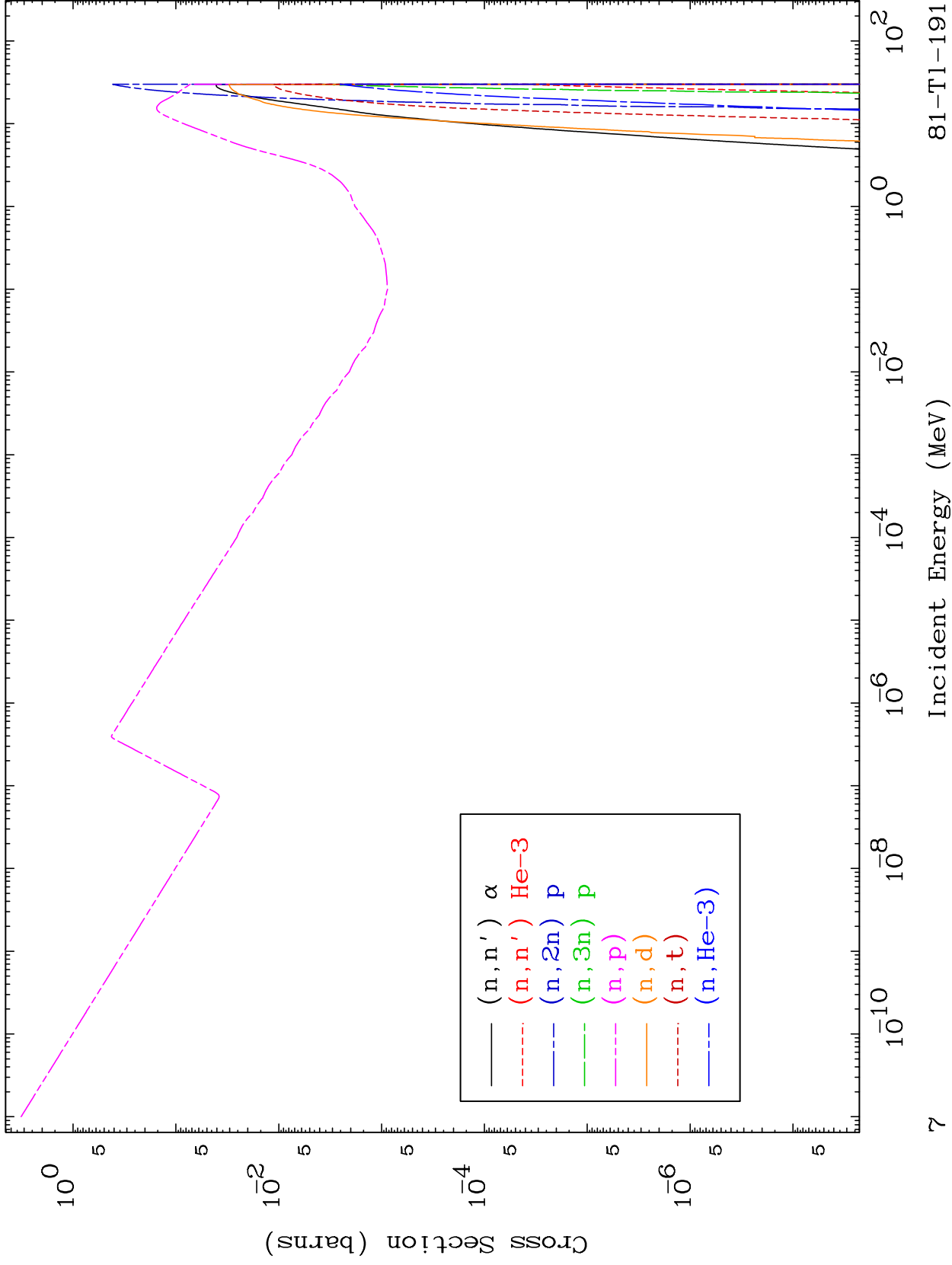
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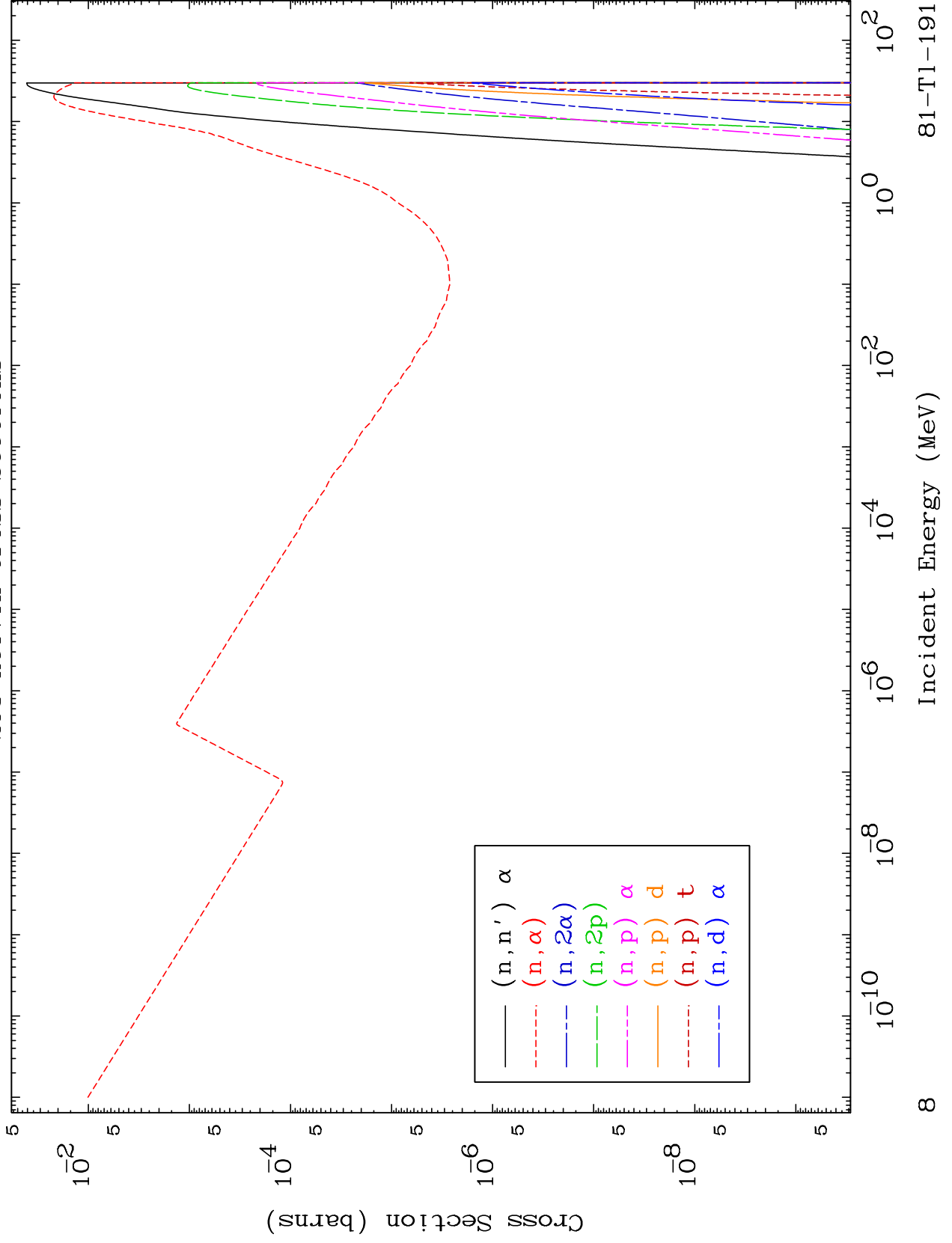


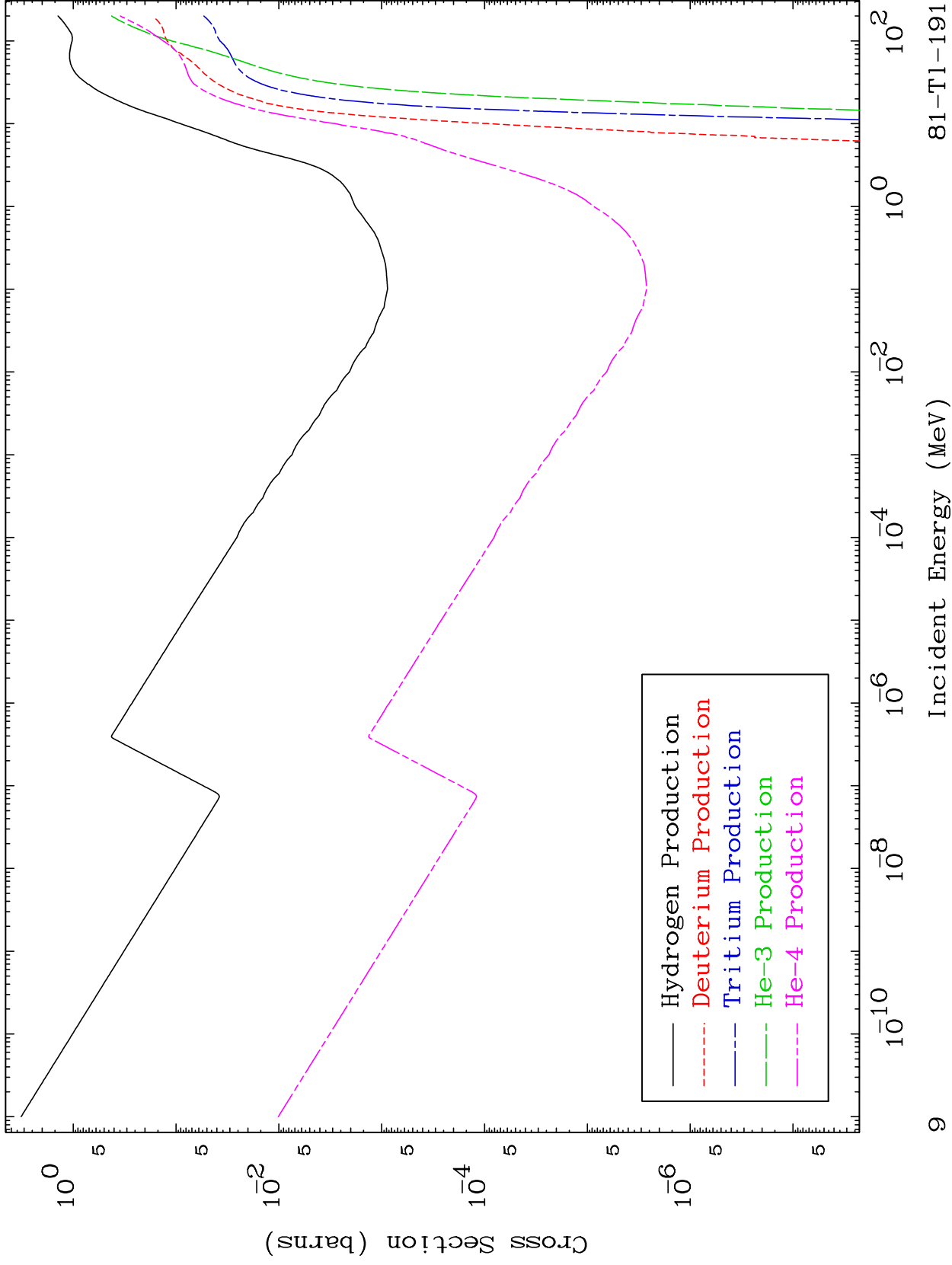
MAT 8089

Charged Particle  
293 Kelvin Cross Sections

81-Tl-191





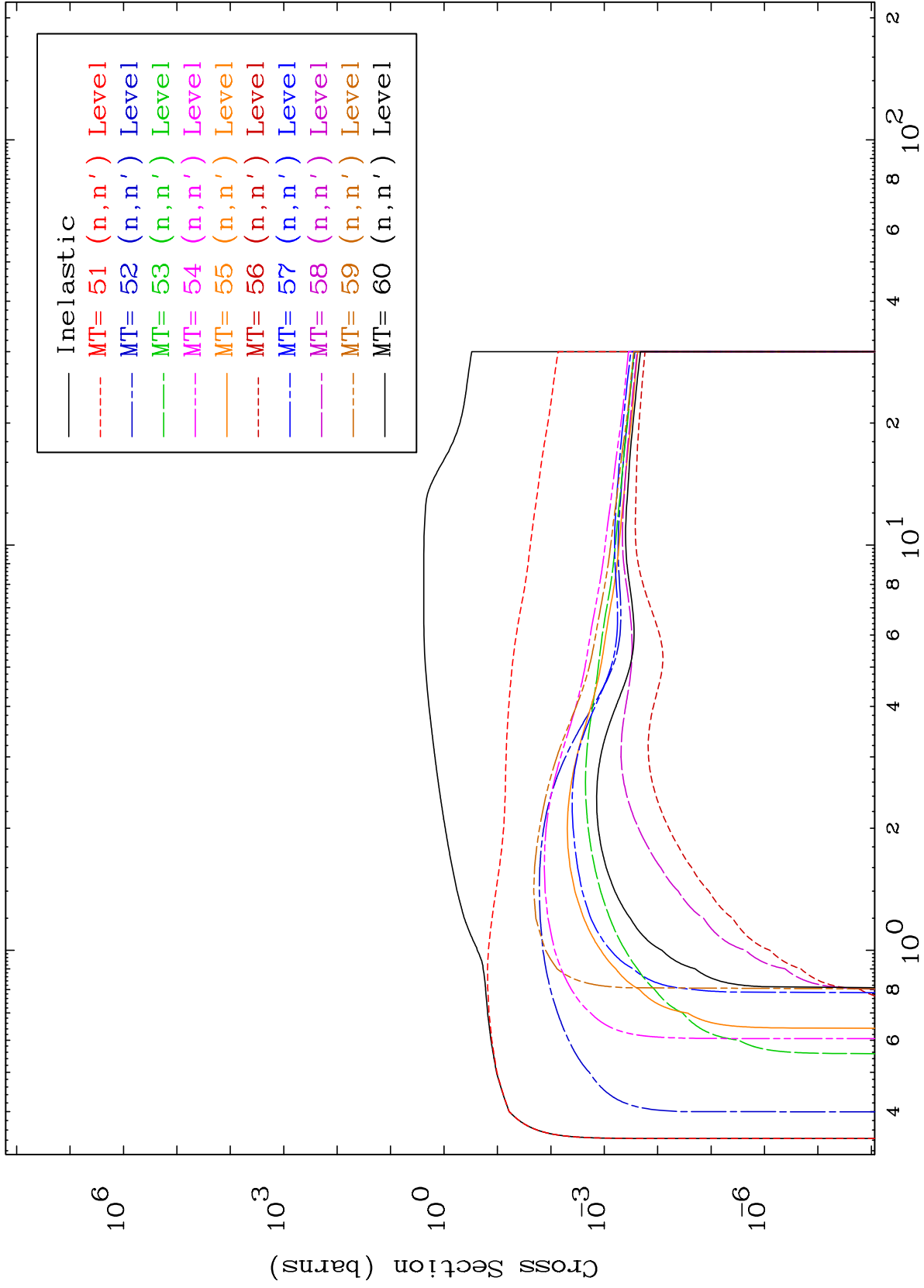


MAT 8089

(n,n') Levels

81-Tl-191

293 Kelvin Cross Sections



10

Incident Energy (MeV)

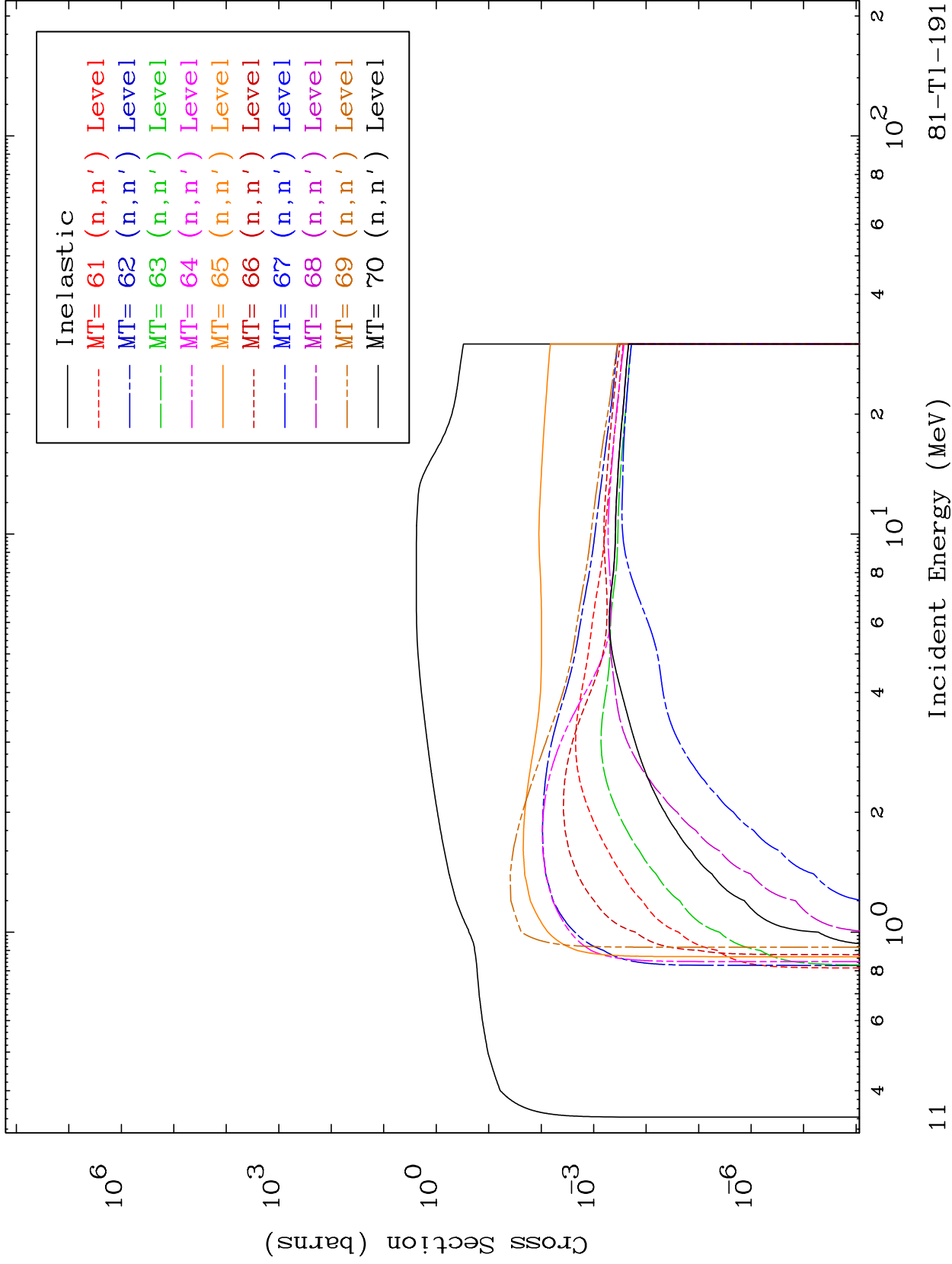
81-Tl-191

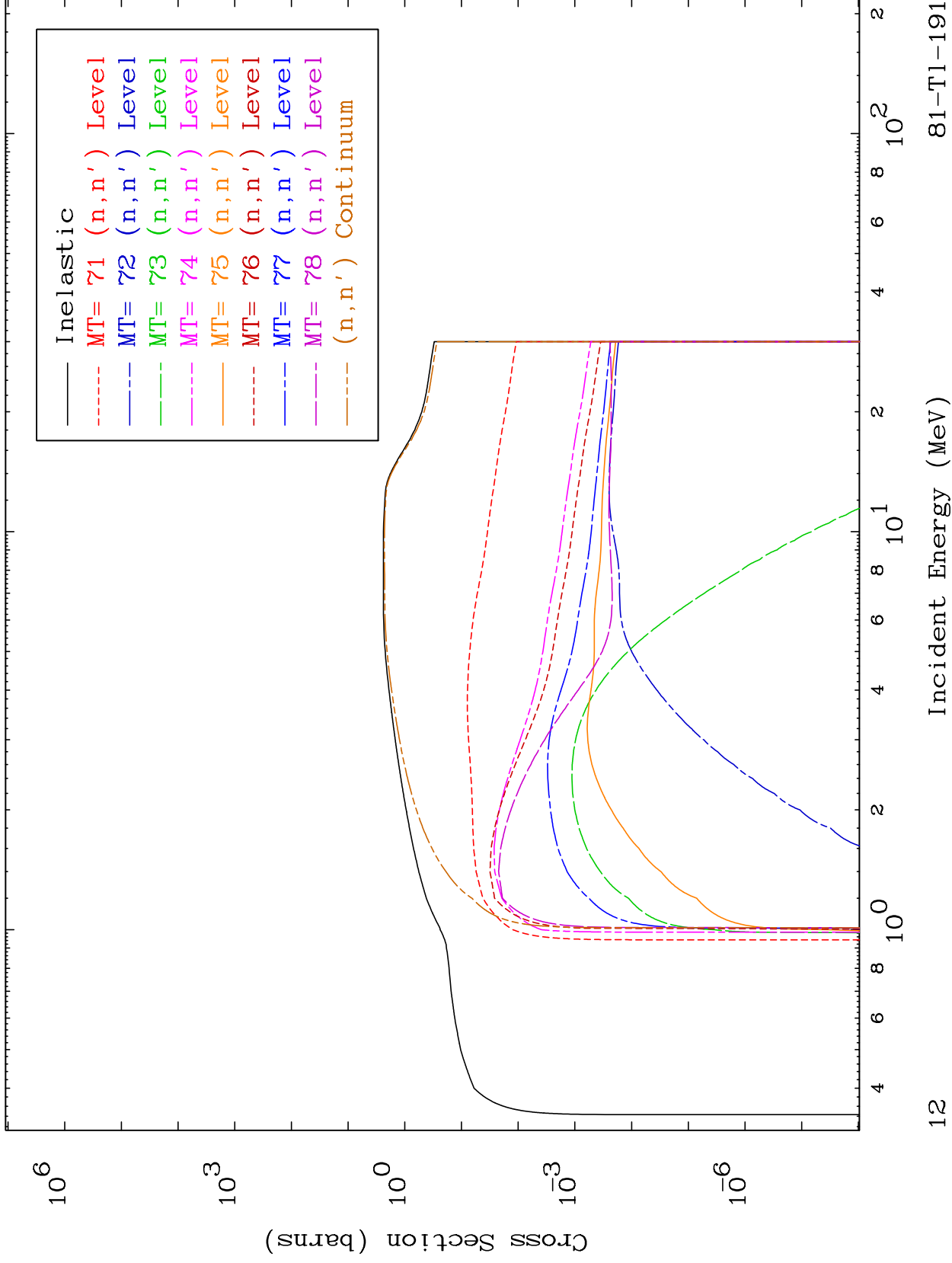
MAT 8089

(n,n') Levels

81-Tl-191

293 Kelvin Cross Sections

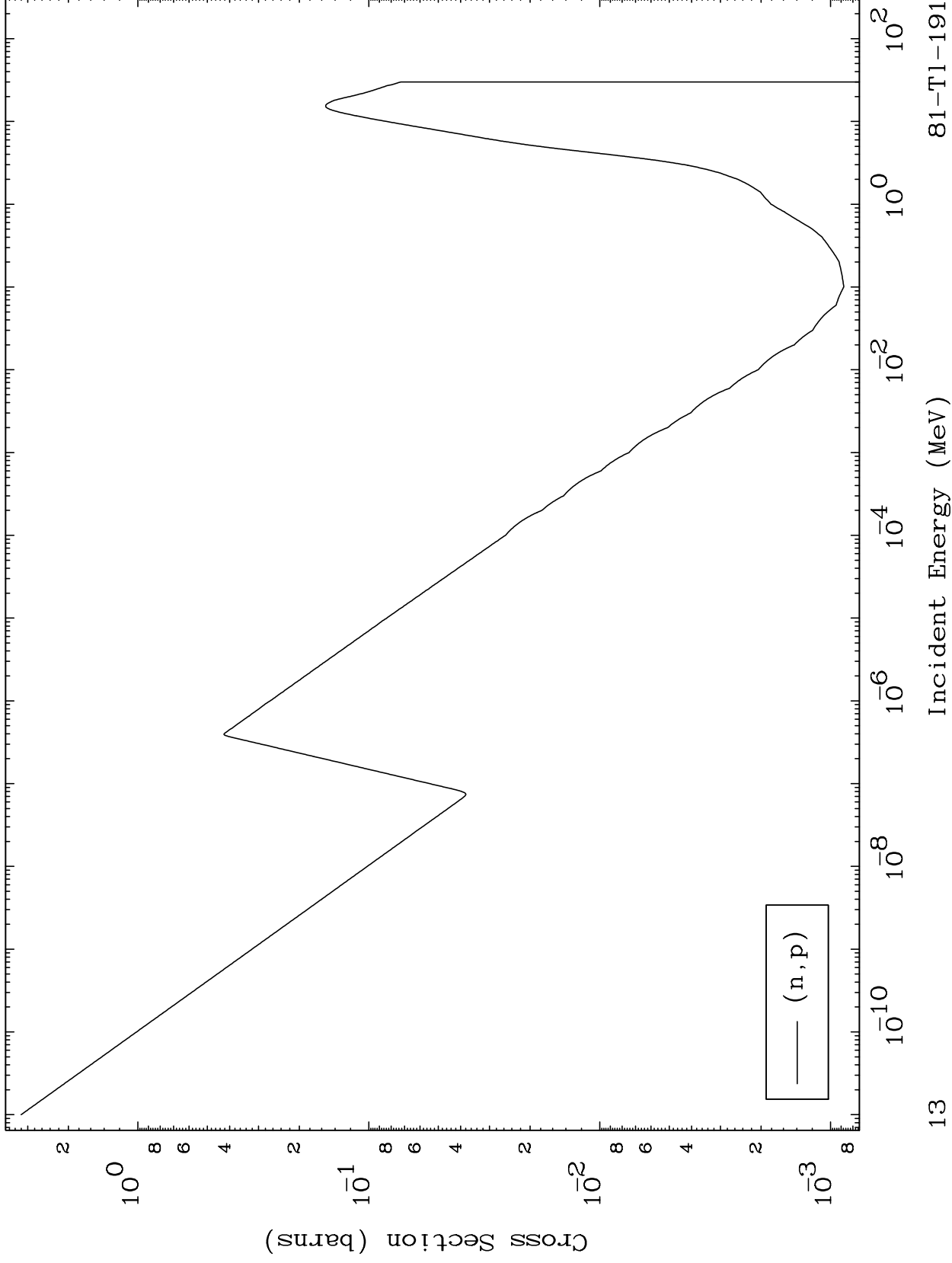




MAT 8089

(n,p) Levels  
293 Kelvin Cross Sections

81-Tl-191



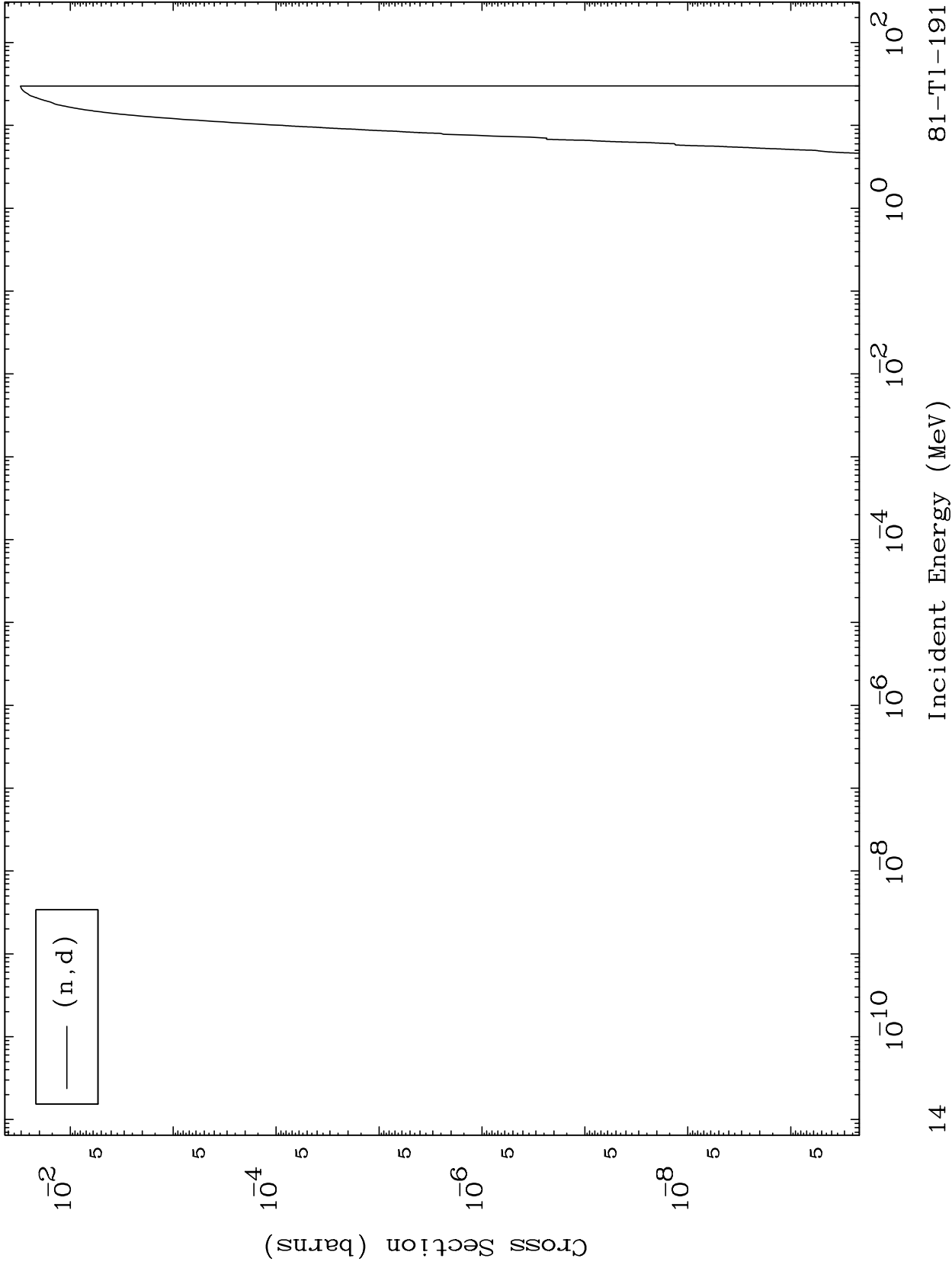
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81-Tl-191

MAT 8089

(n,d) Levels  
293 Kelvin Cross Sections

81-Tl-191

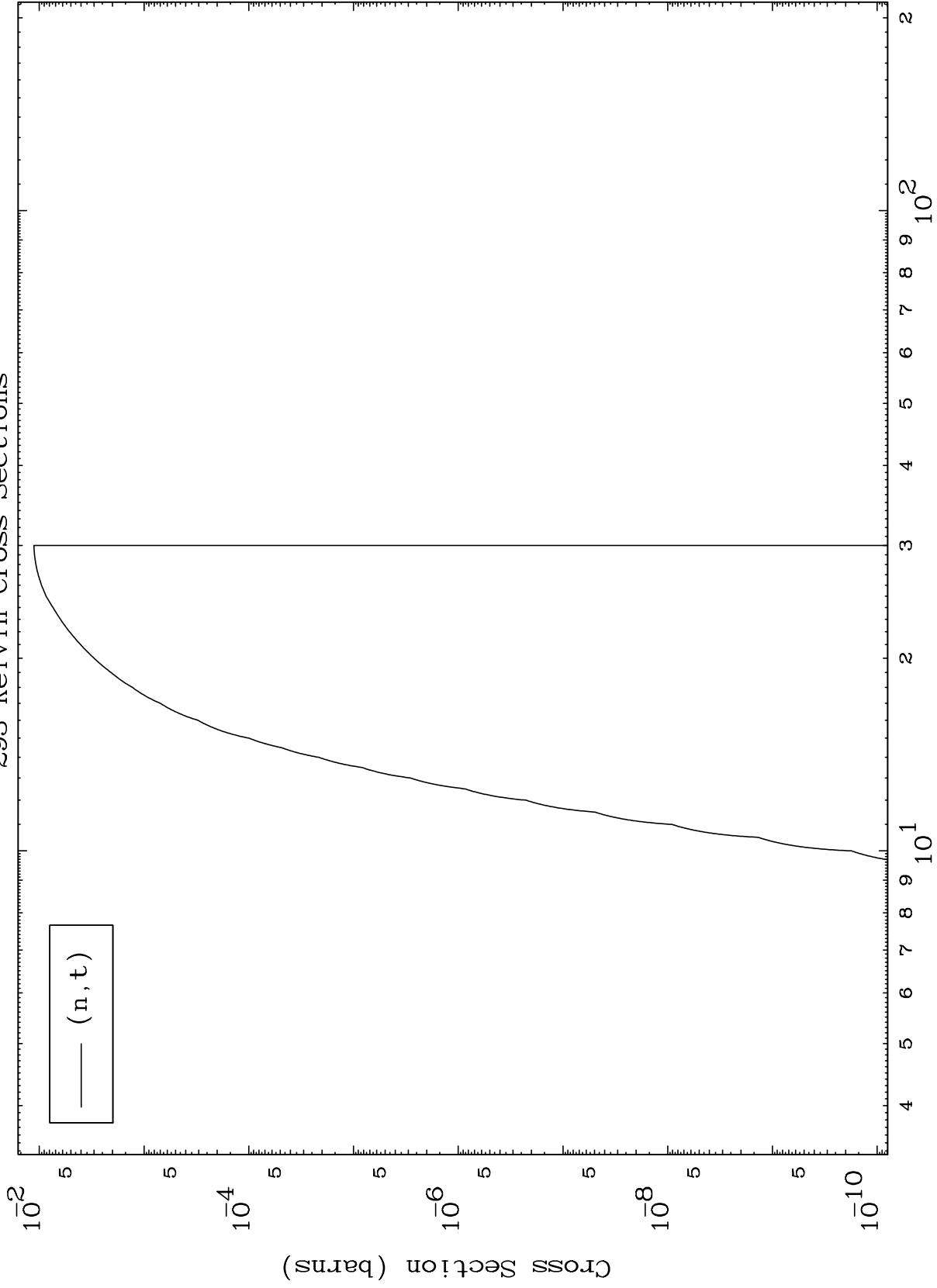


81-Tl-191

MAT 8089

(n,t) Levels  
293 Kelvin Cross Sections

81-Tl-191



15

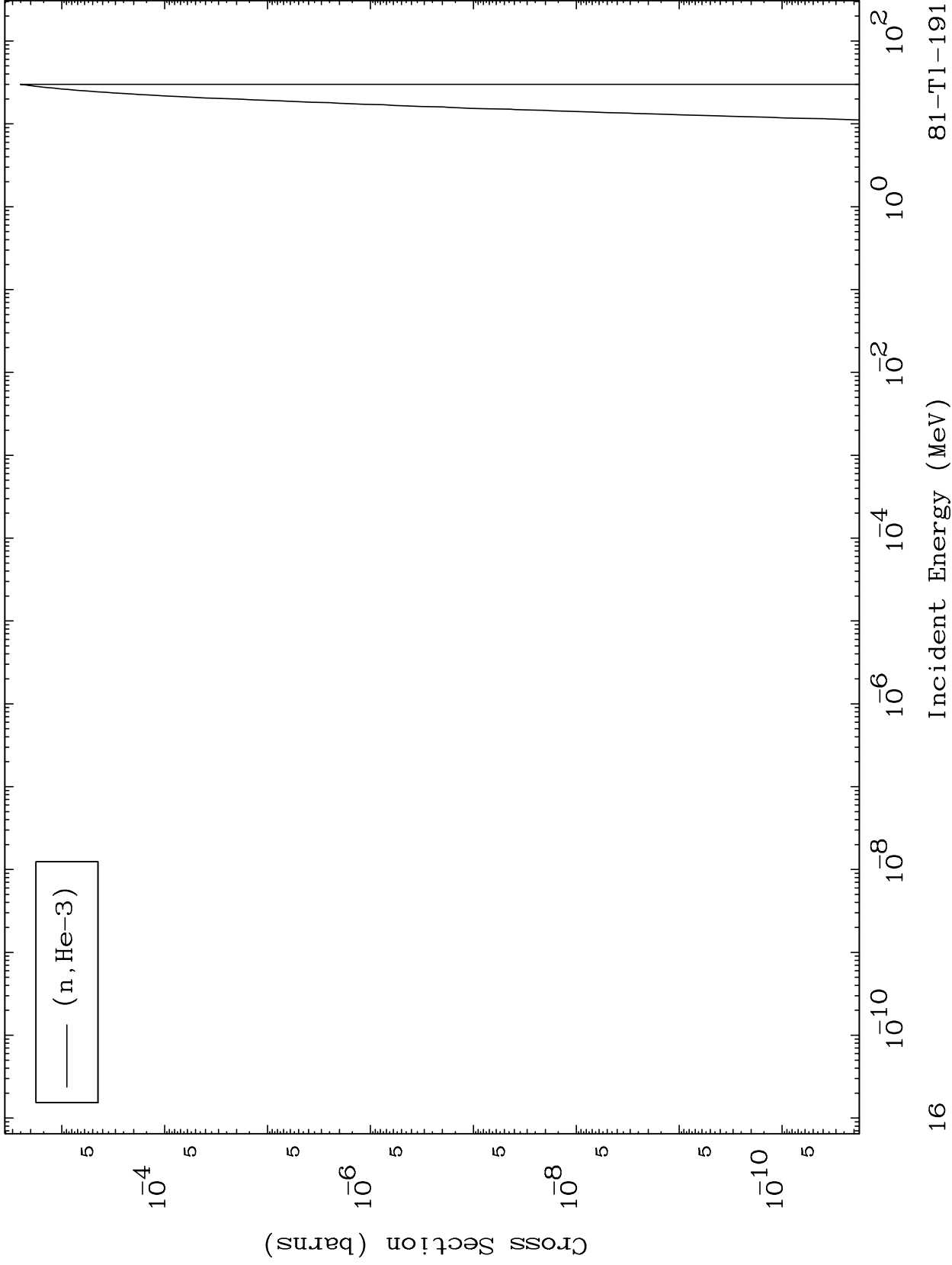
Incident Energy (MeV)

81-Tl-191

MAT 8089

(n,He3) Levels  
293 Kelvin Cross Sections

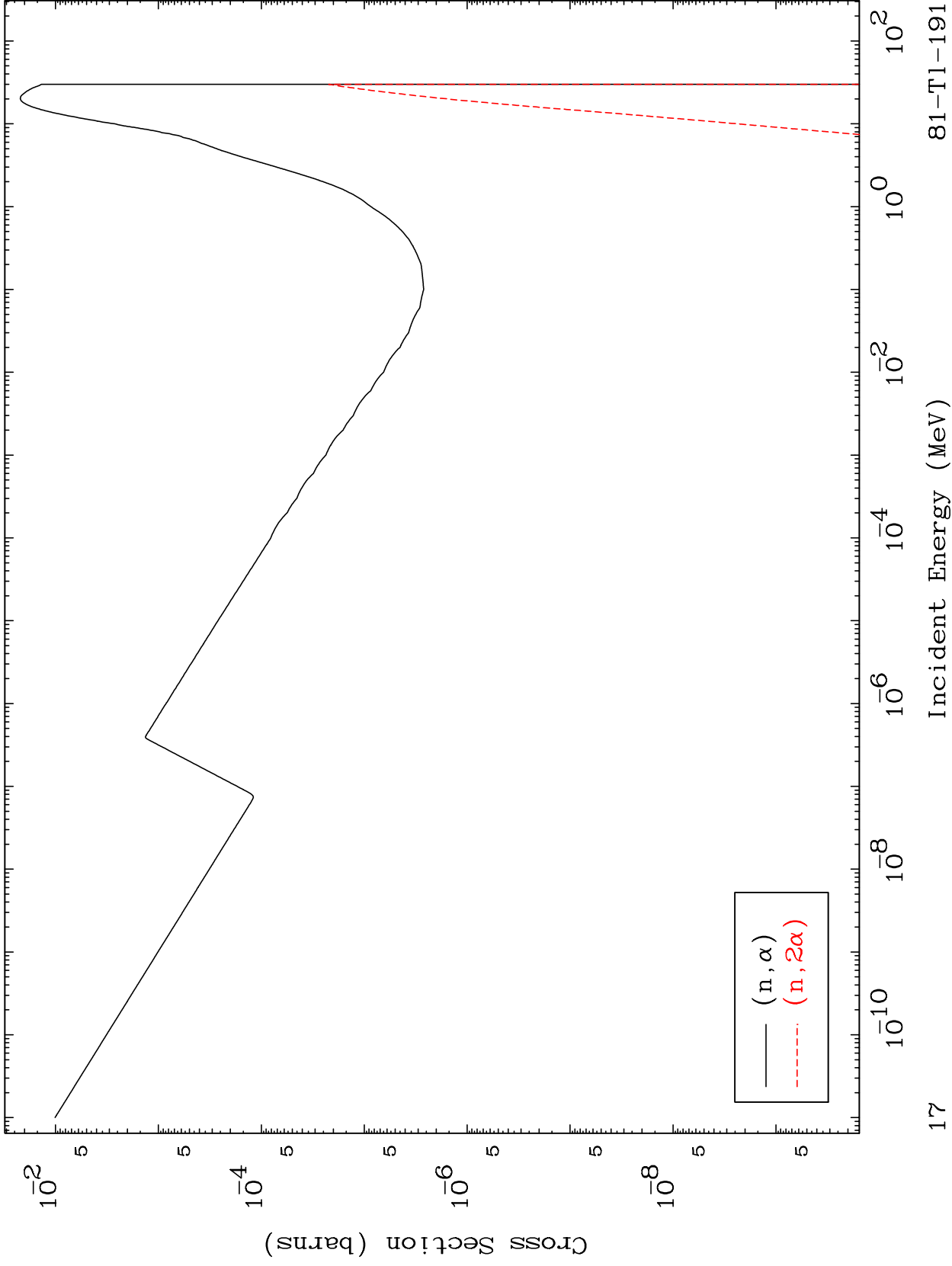
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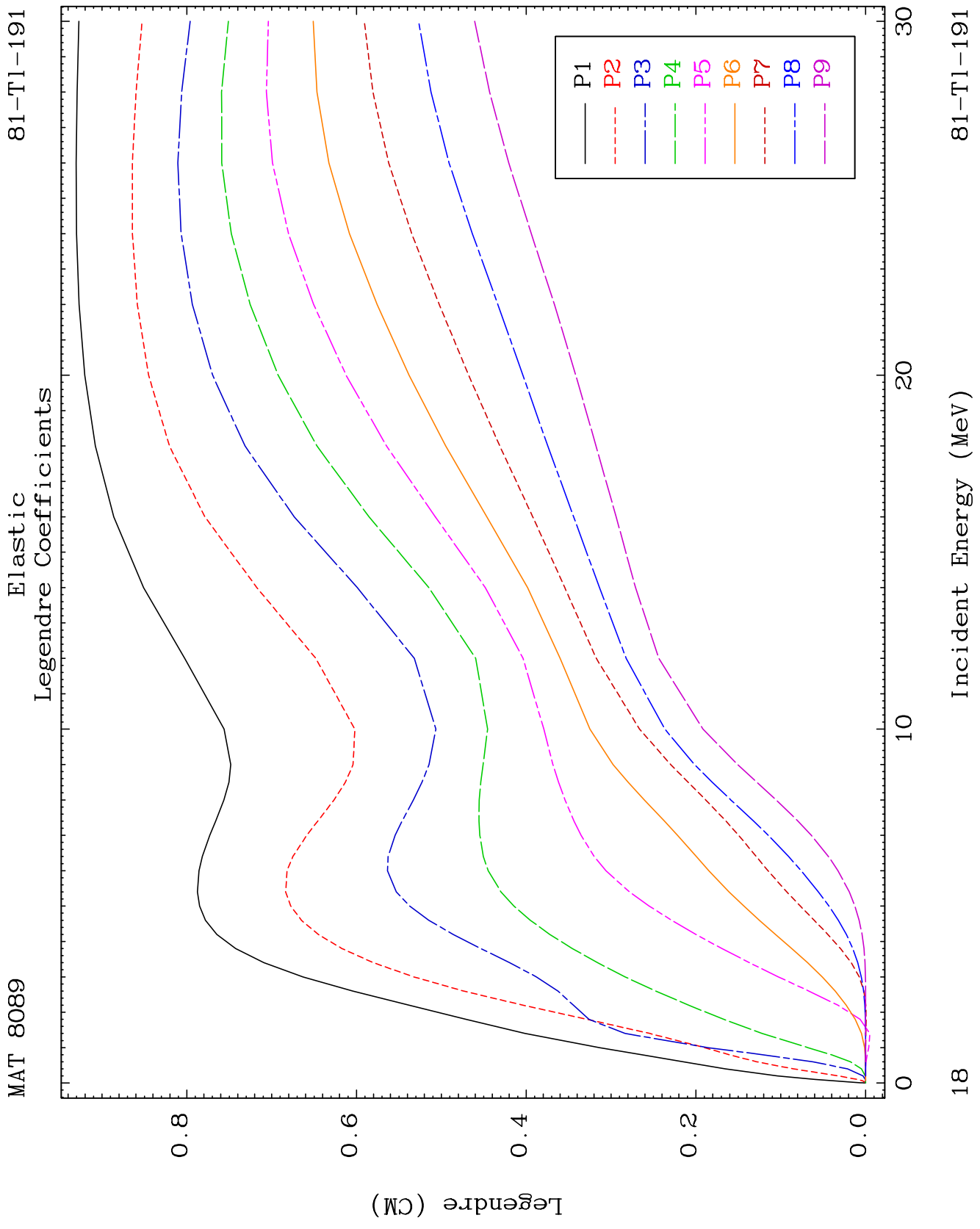


MAT 8089

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

81-Tl-191

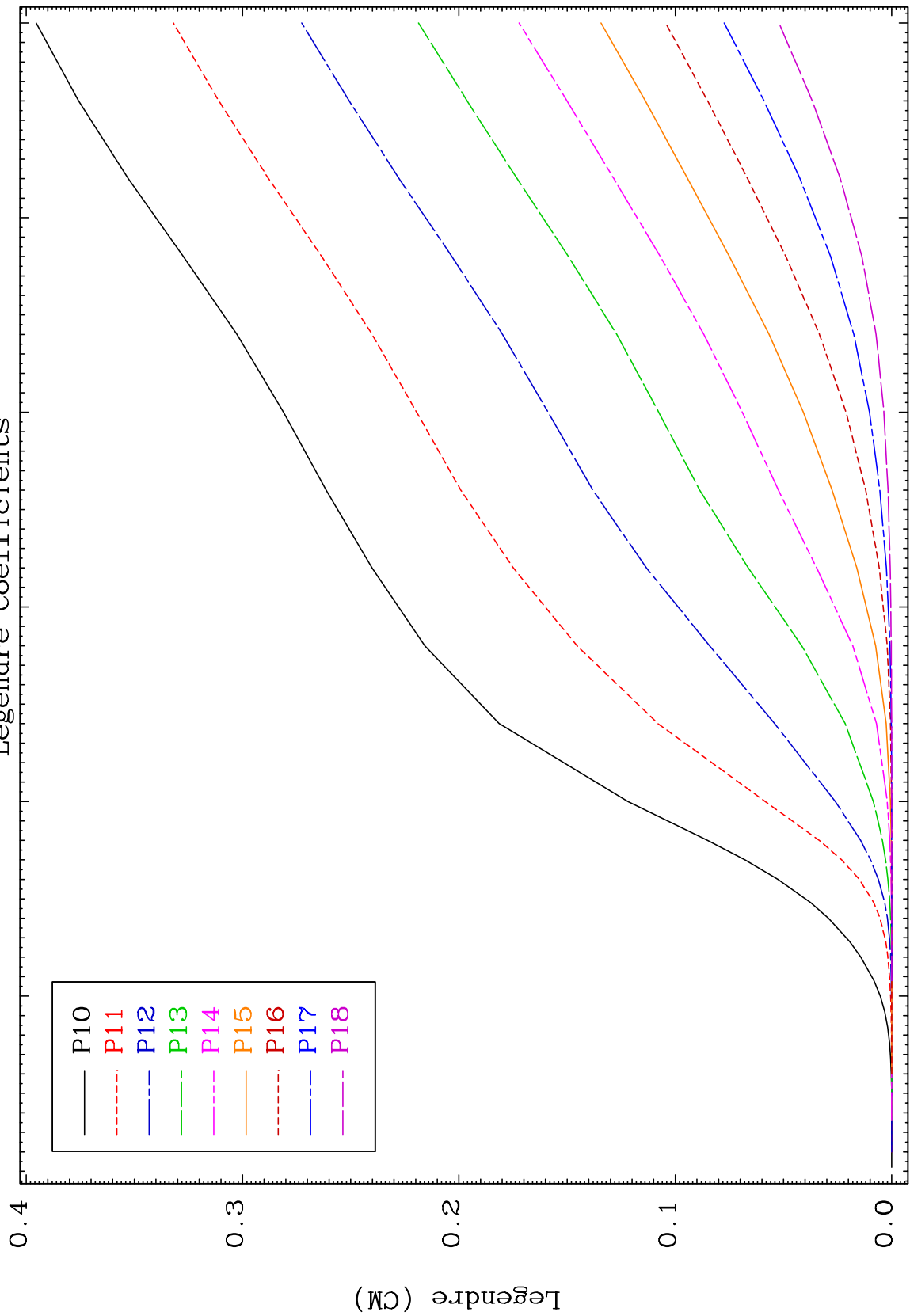




MAT 8089

Elastic Legendre Coefficients

81-Tl-191



19

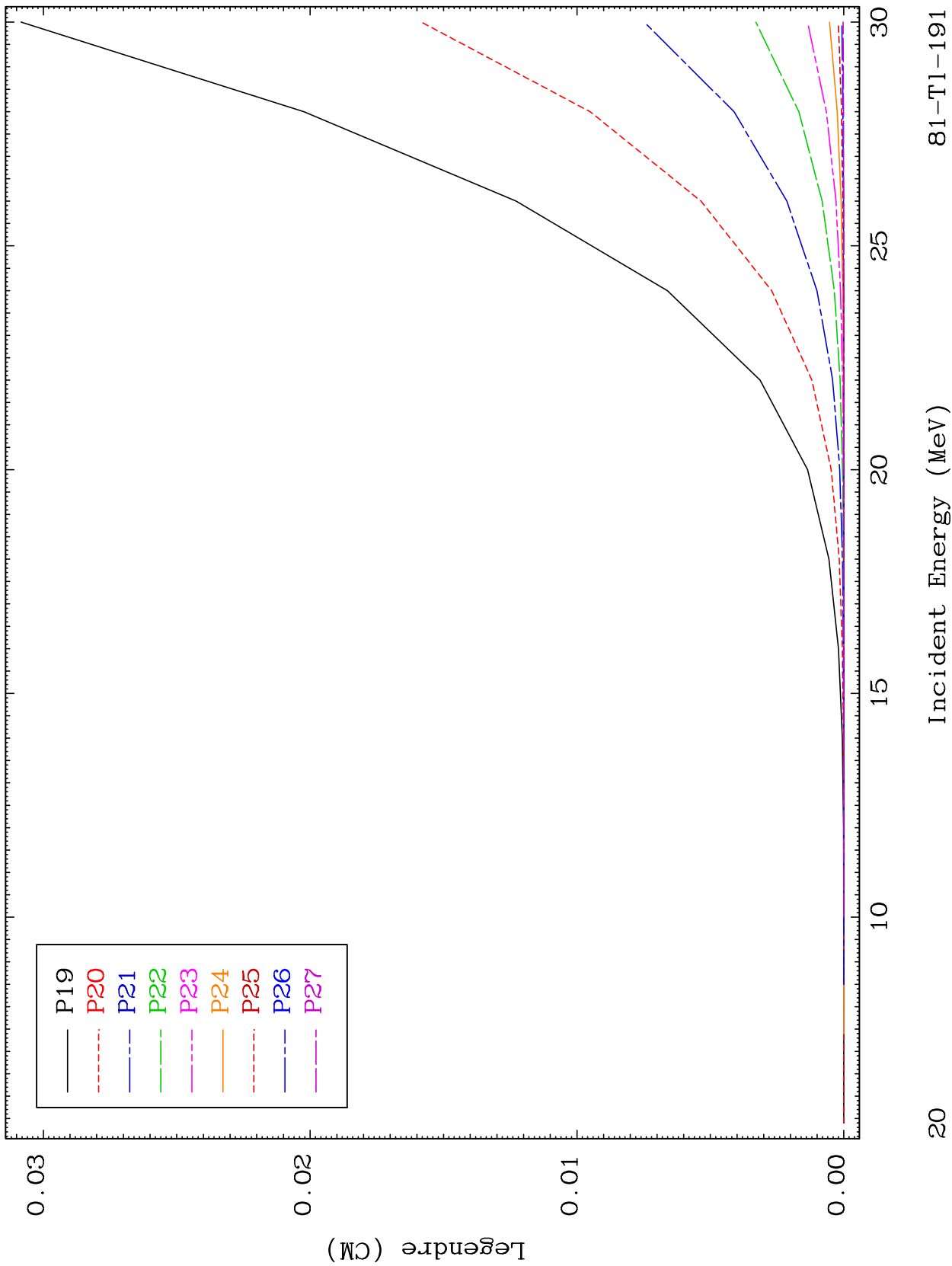
Incident Energy (MeV)

81-Tl-191

MAT 8089

Elastic Legendre Coefficients

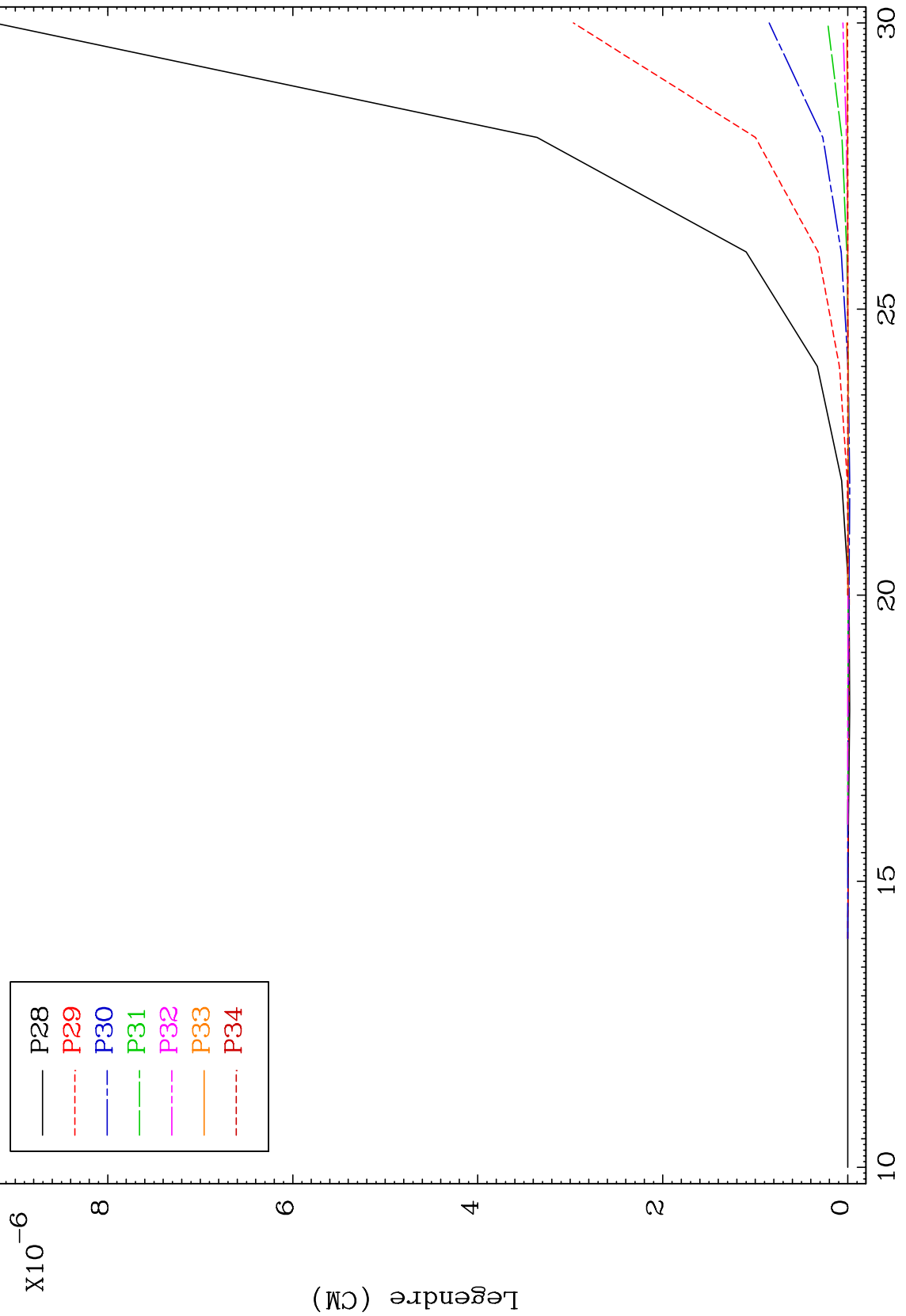
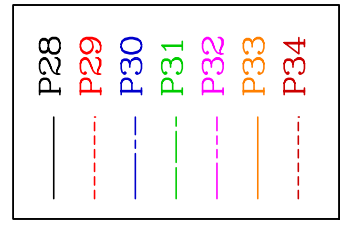
81-Tl-191



MAT 8089

Elastic Legendre Coefficients

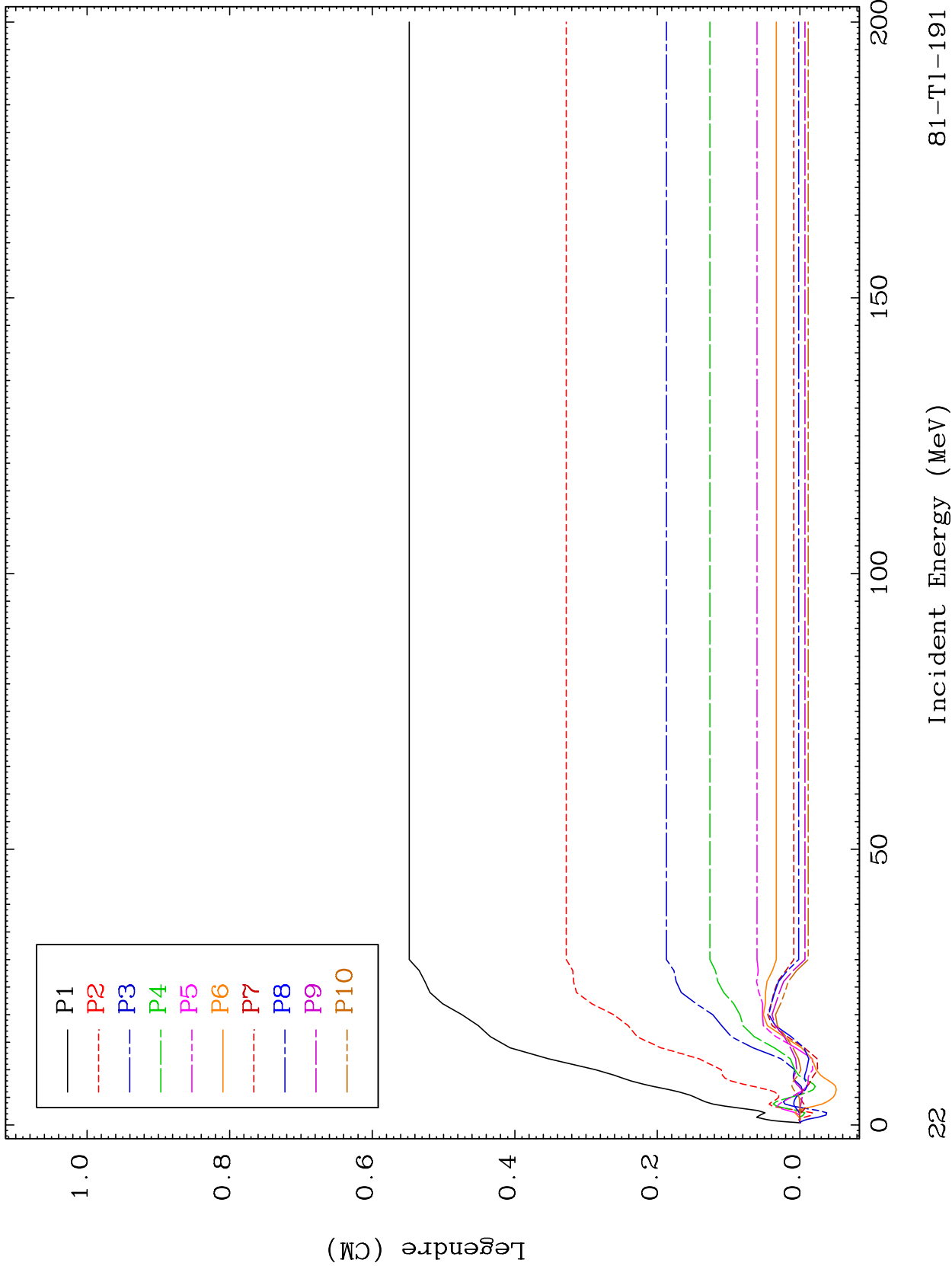
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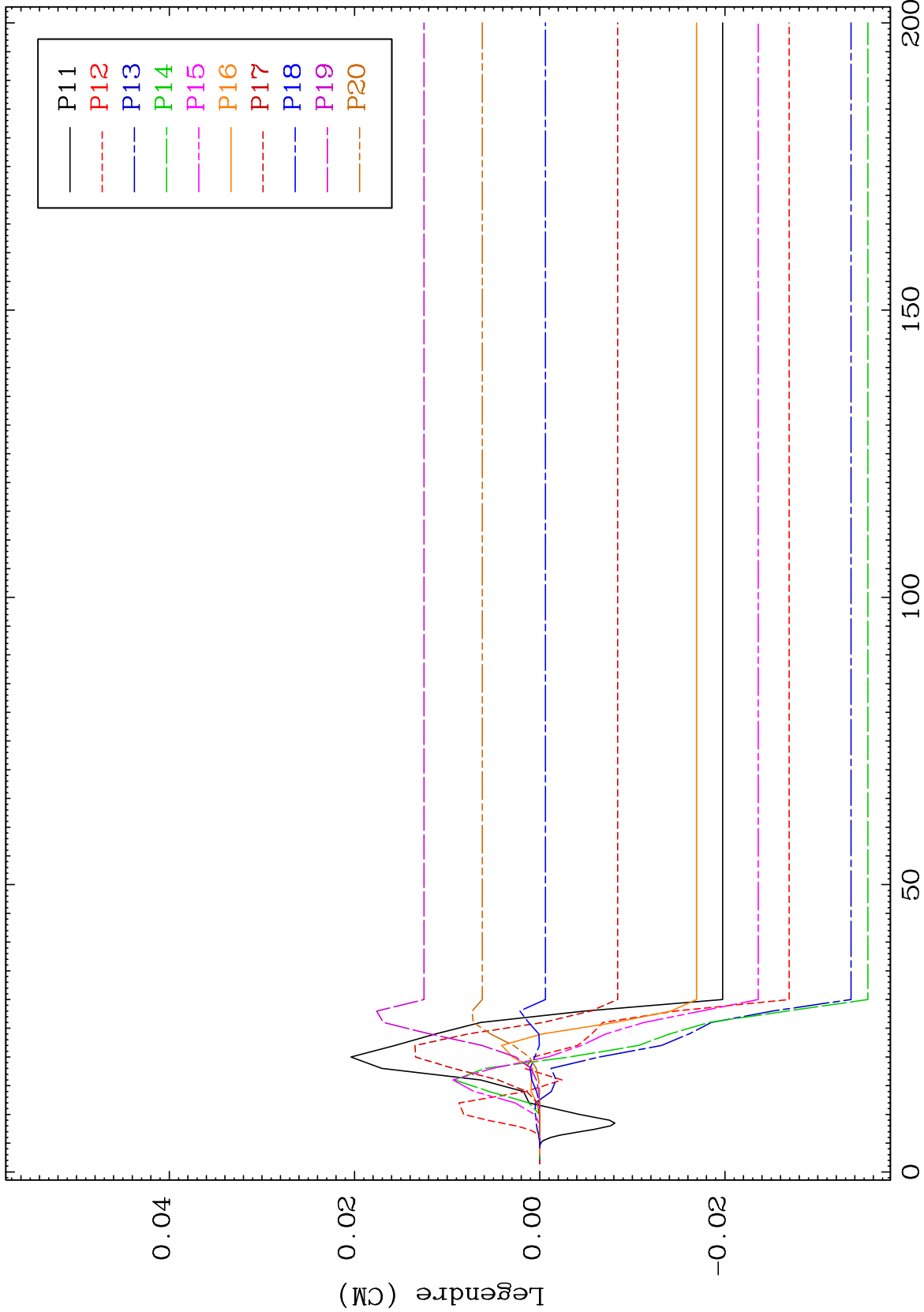


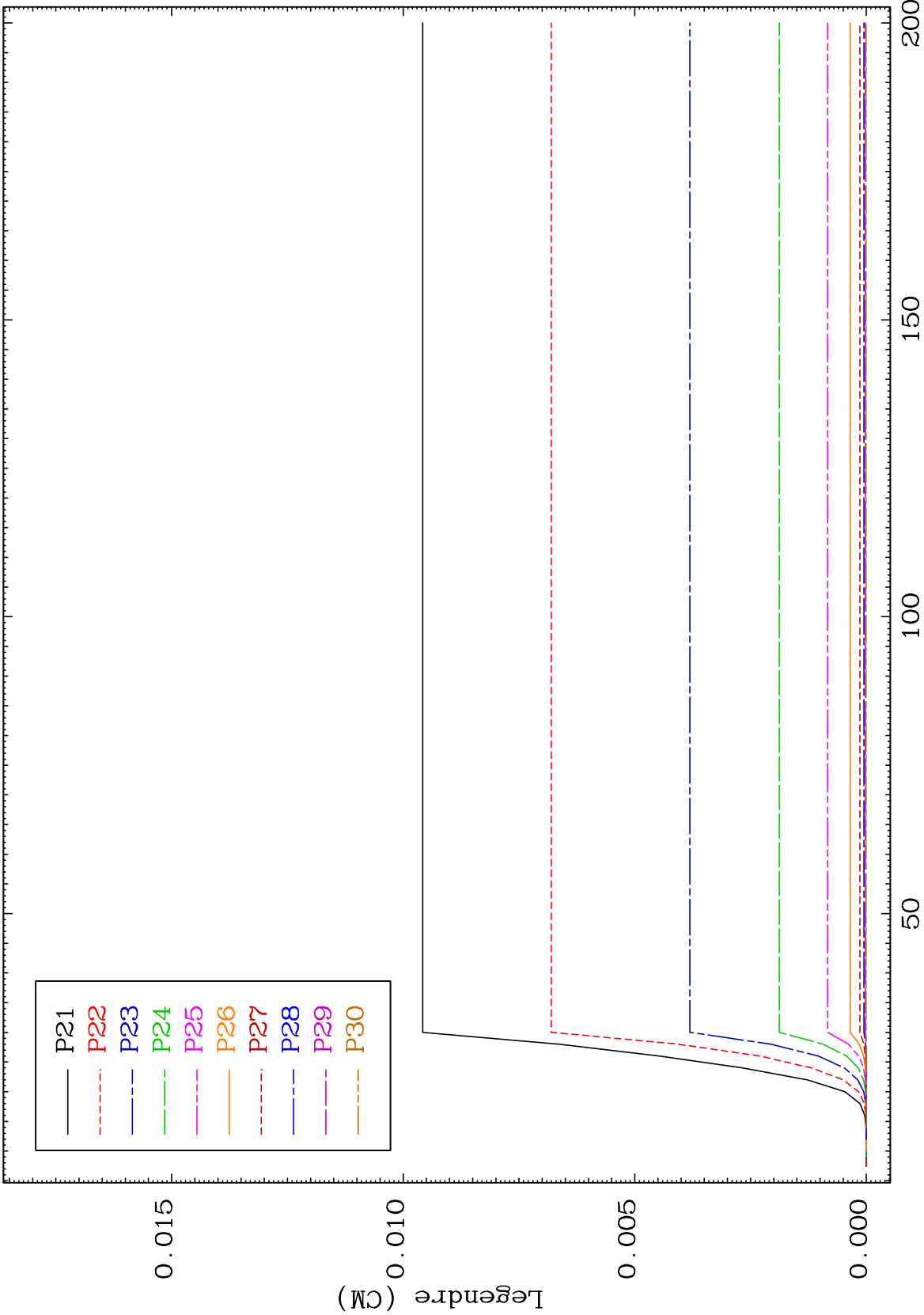
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Incident Energy (MeV)

81-Tl-191





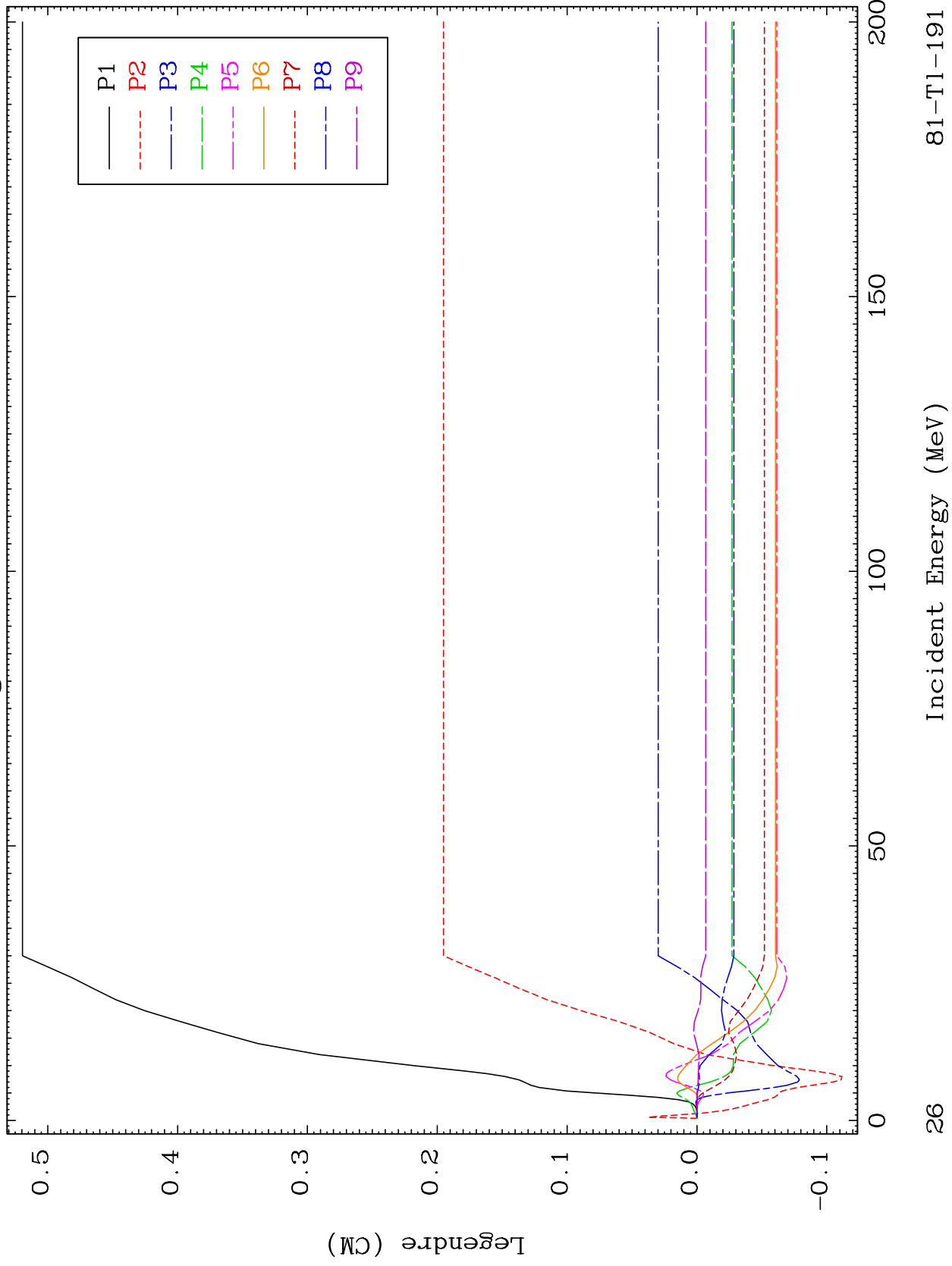




MAT 8089

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

81-Tl-191



81-Tl-191

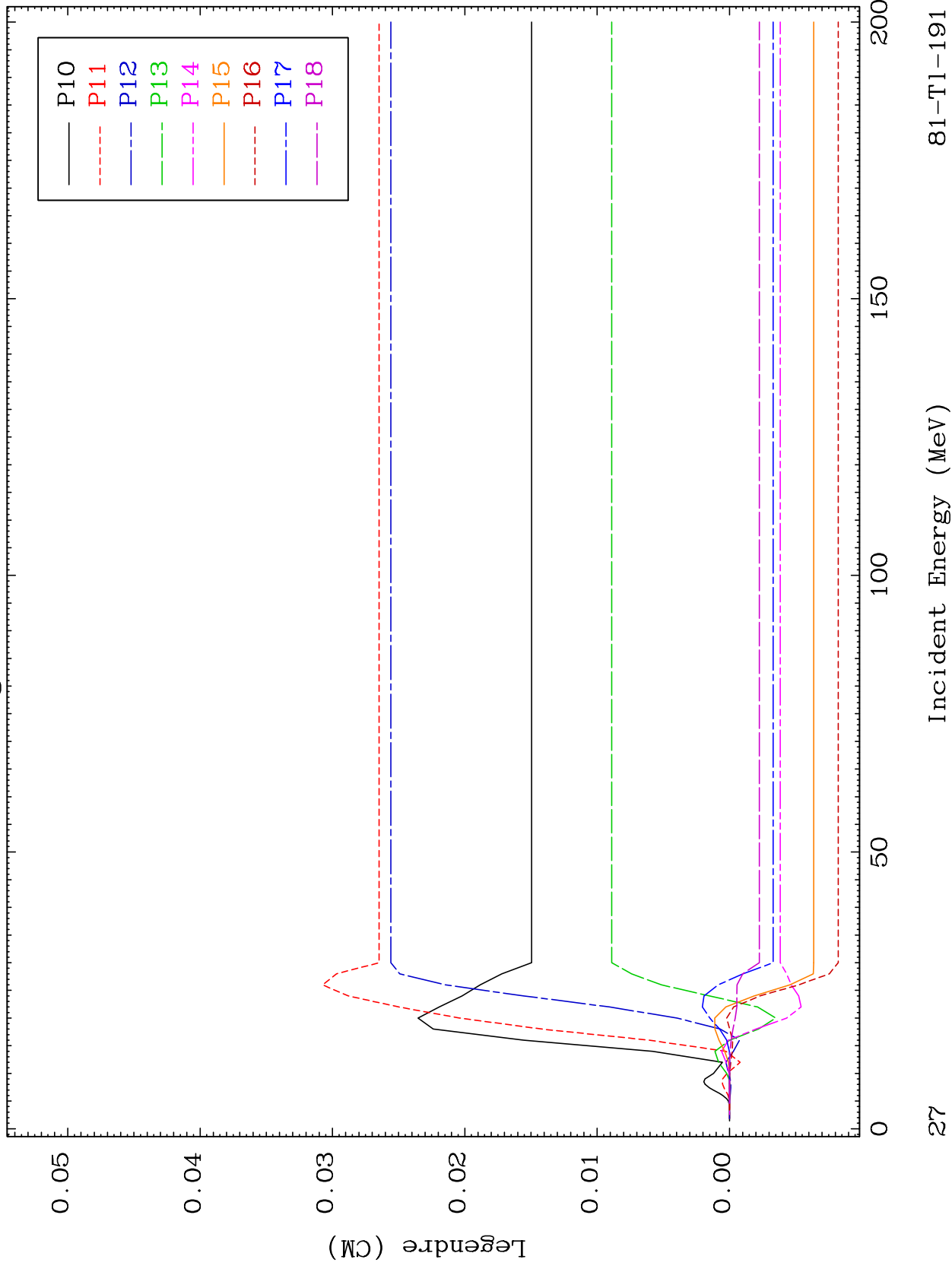
Incident Energy (MeV)

26

MAT 8089

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

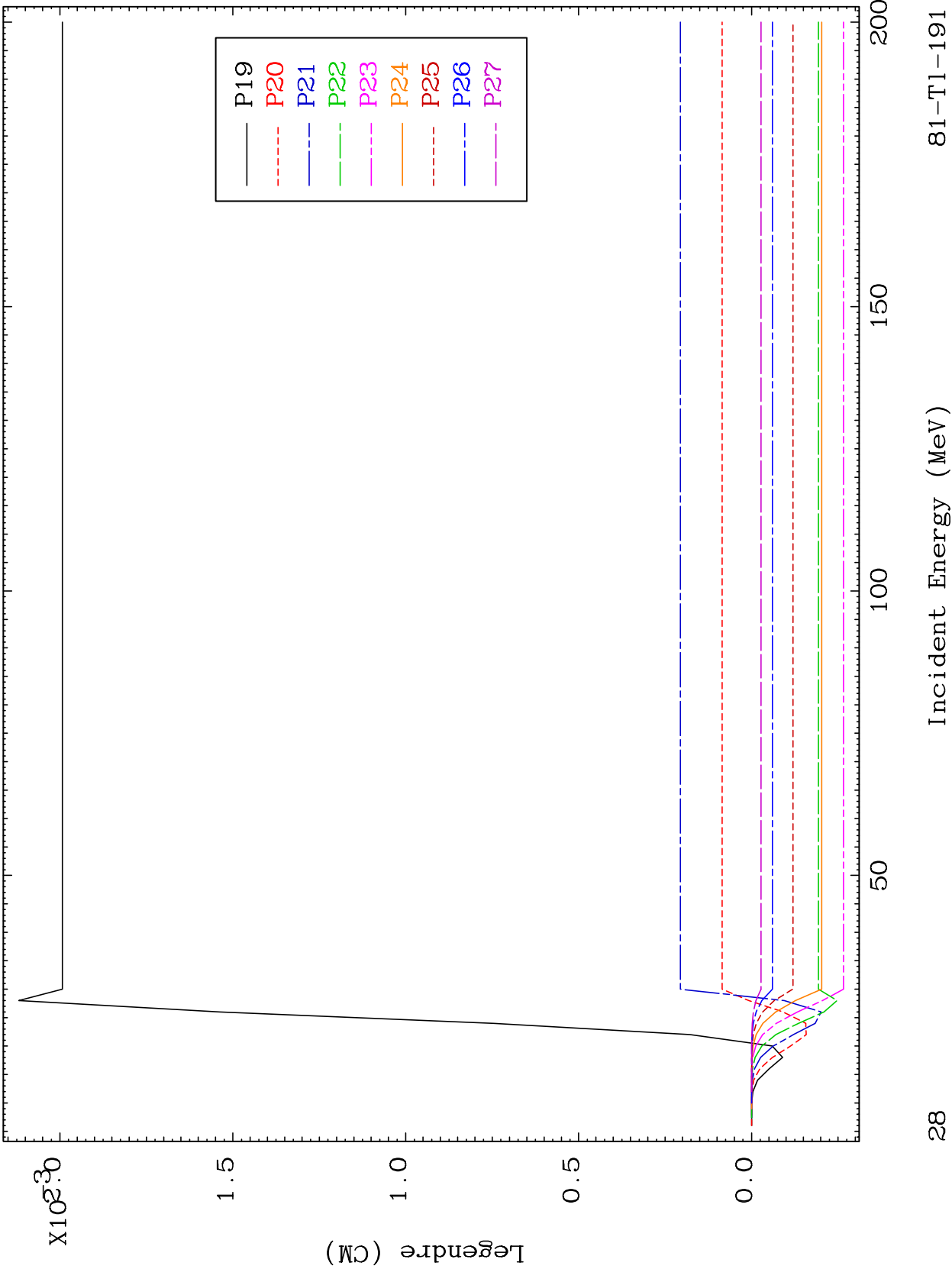
81-Tl-191



27

Incident Energy (MeV)

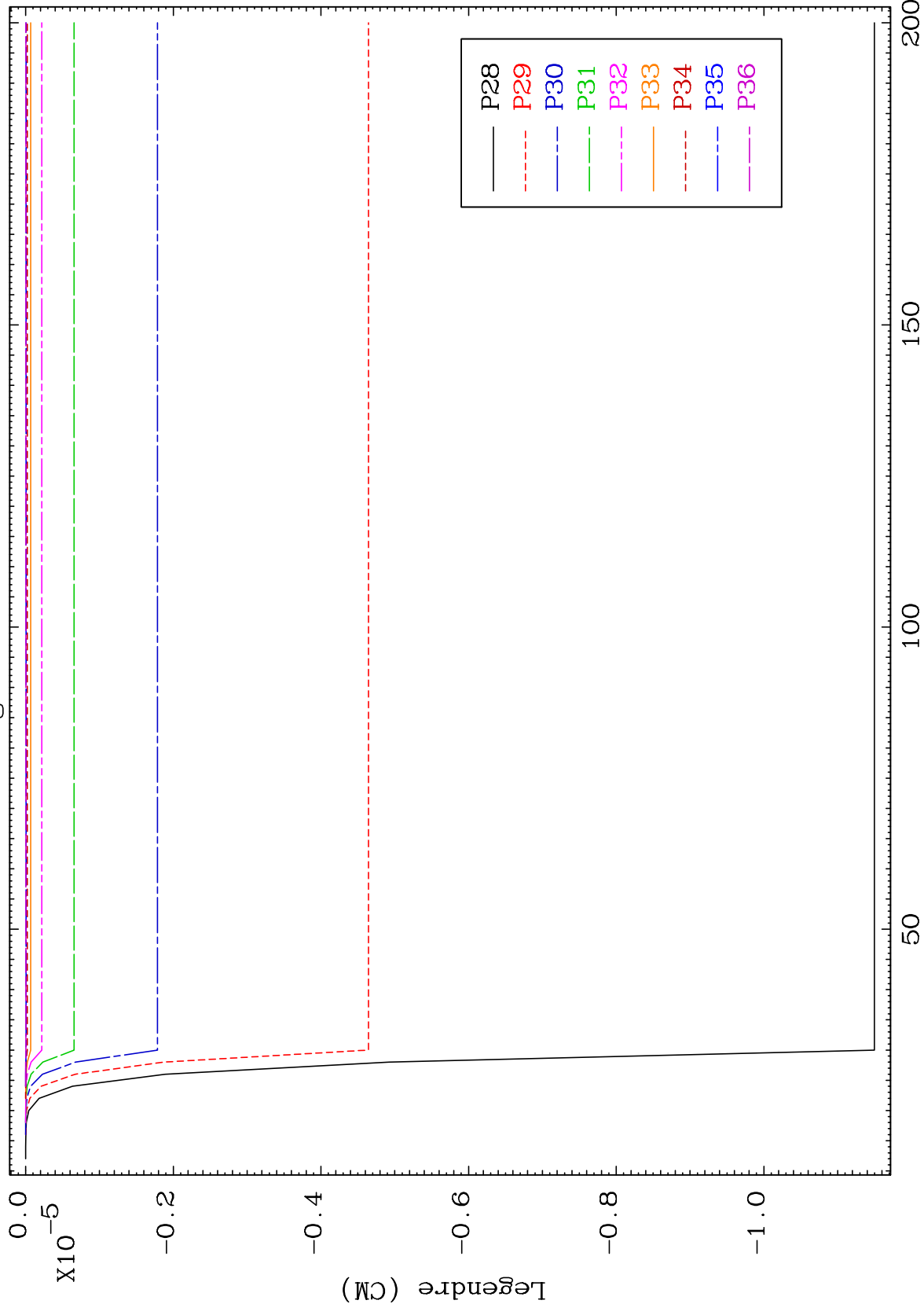
81-Tl-191



MAT 8089

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

81-Tl-191



29

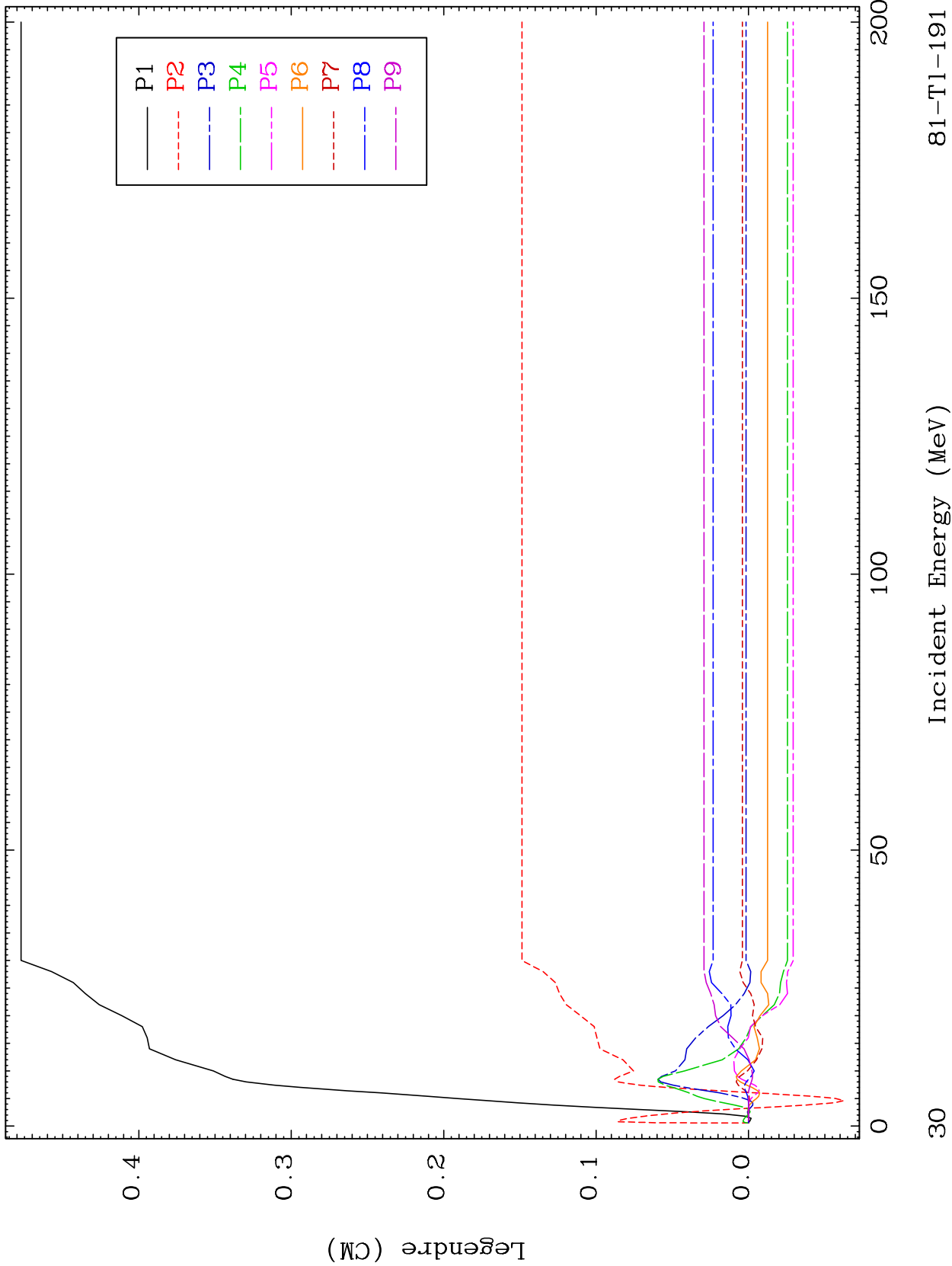
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191

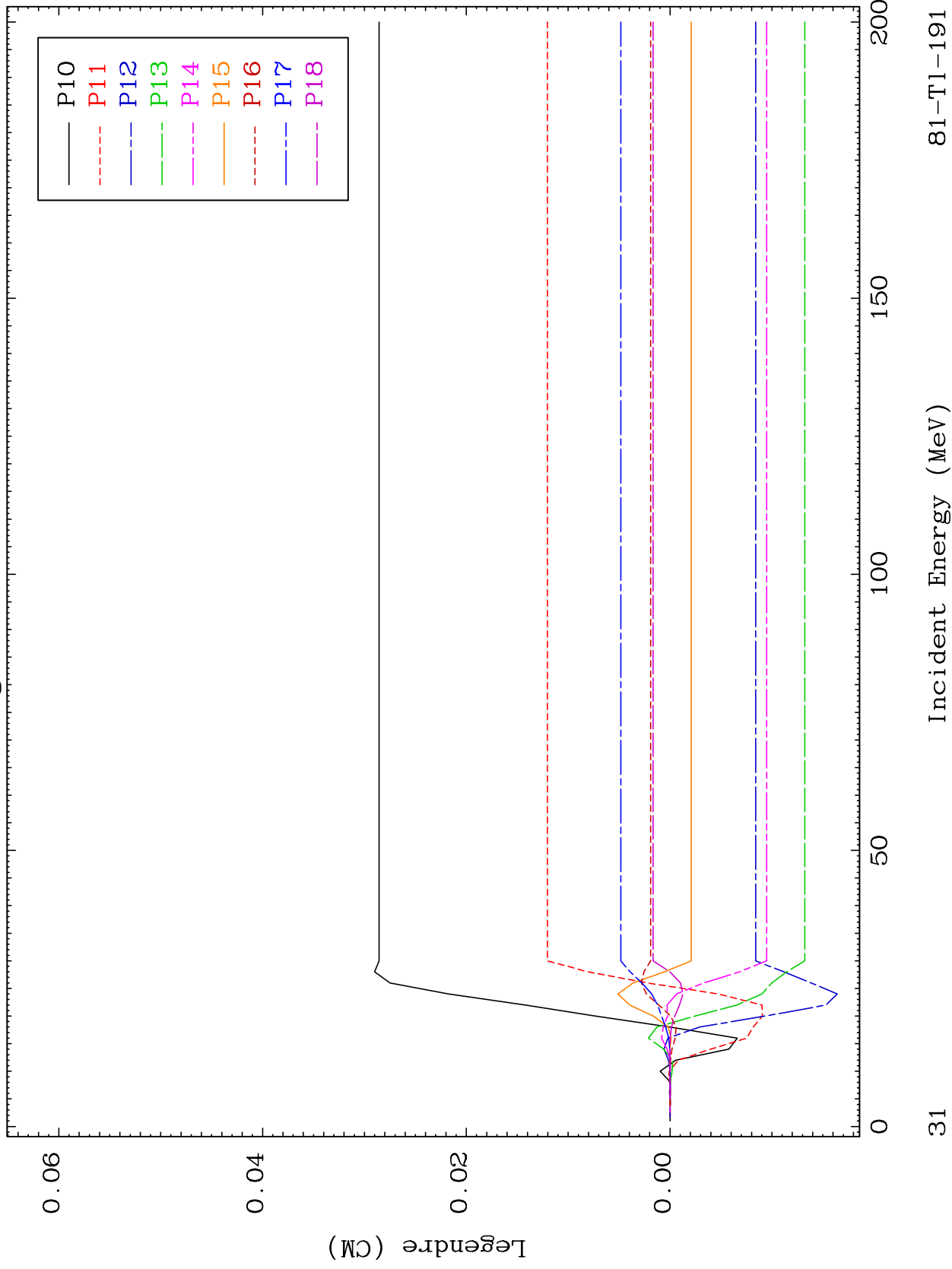


81-Tl-191

MAT 8089

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

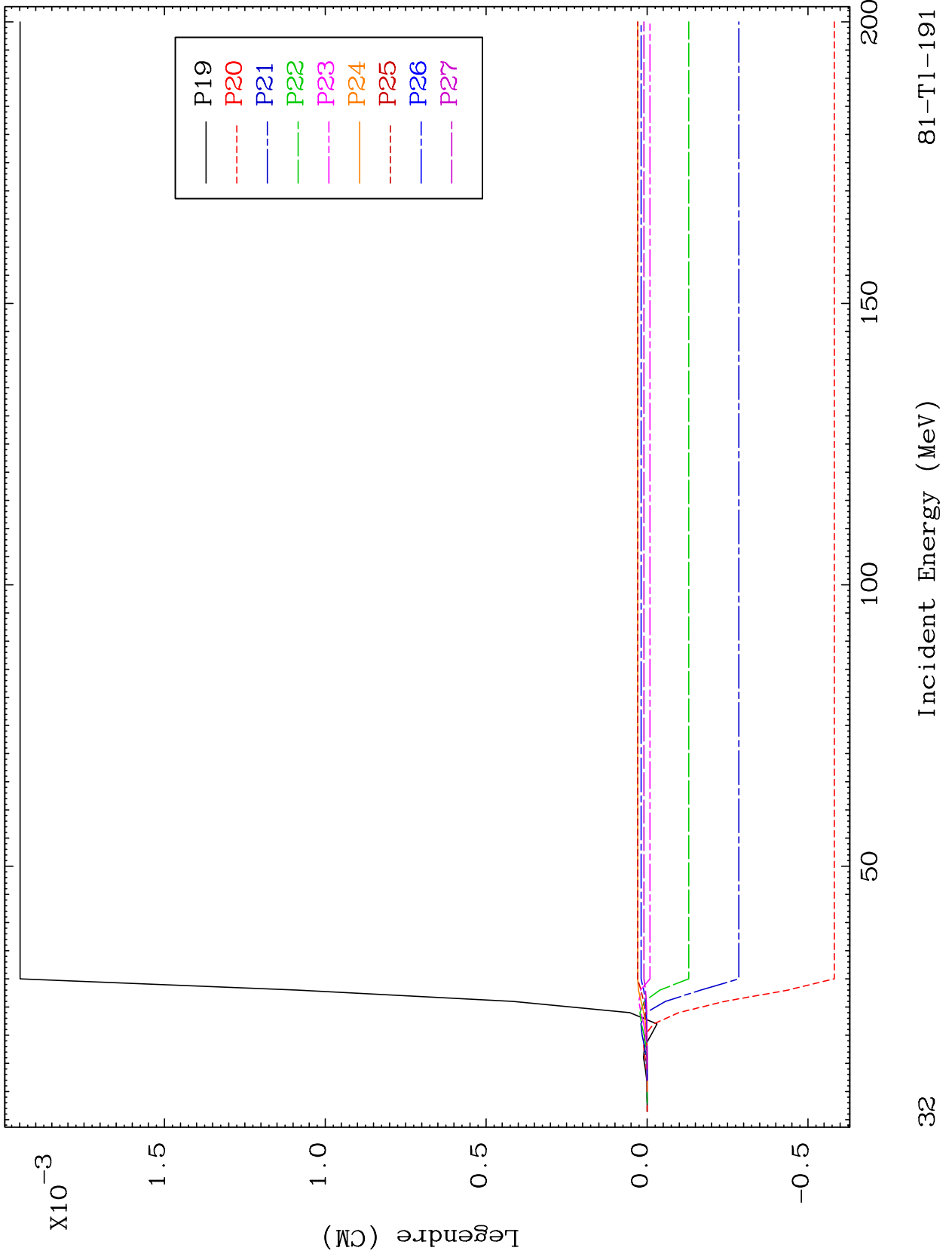
81-Tl-191



81-Tl-191

Incident Energy (MeV)

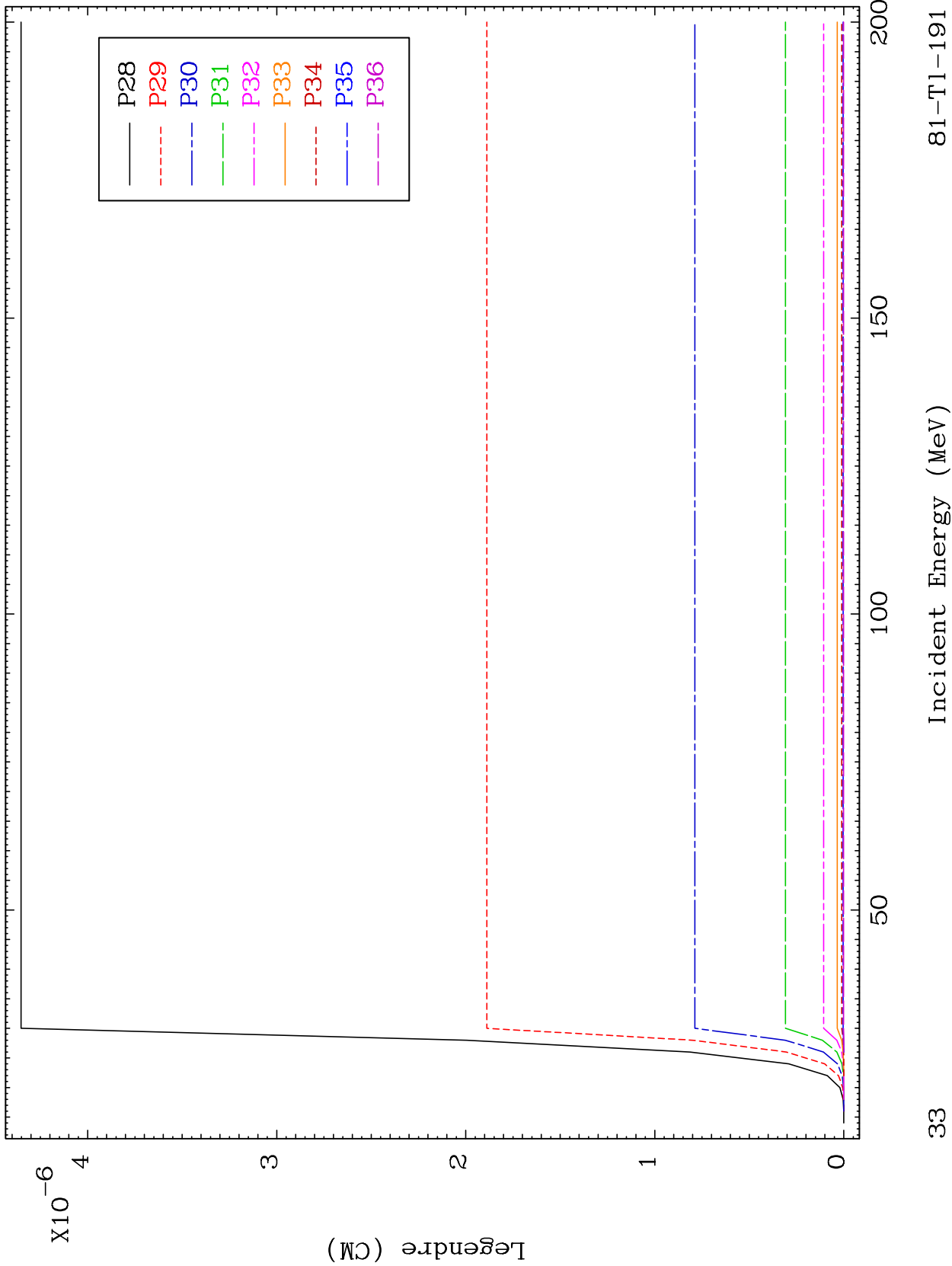
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MAT 8089

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

81-Tl-191



33

Incident Energy (MeV)

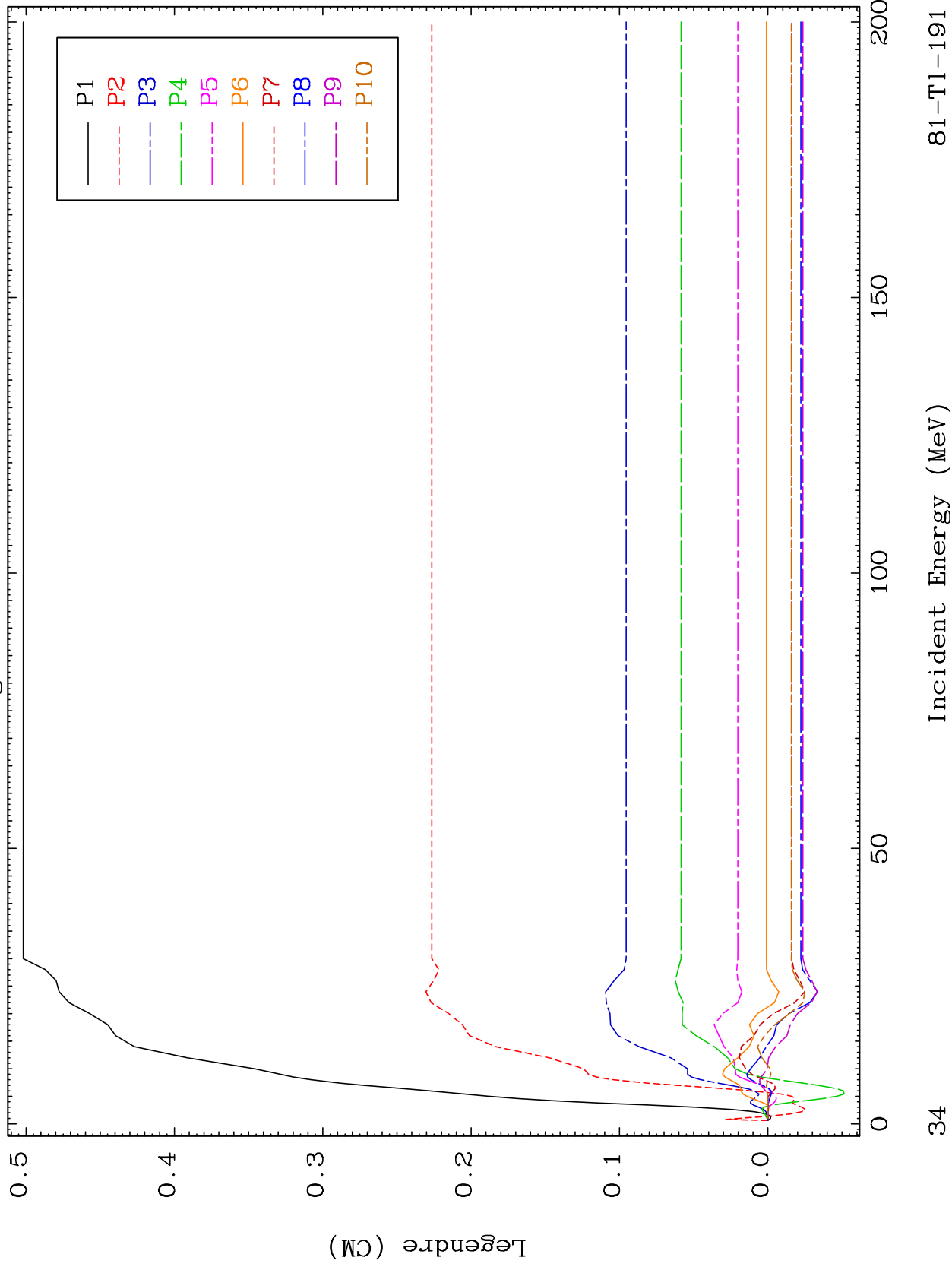
81-Tl-191

MAT 8089

MT= 54 (n,n') Level

81-Tl-191

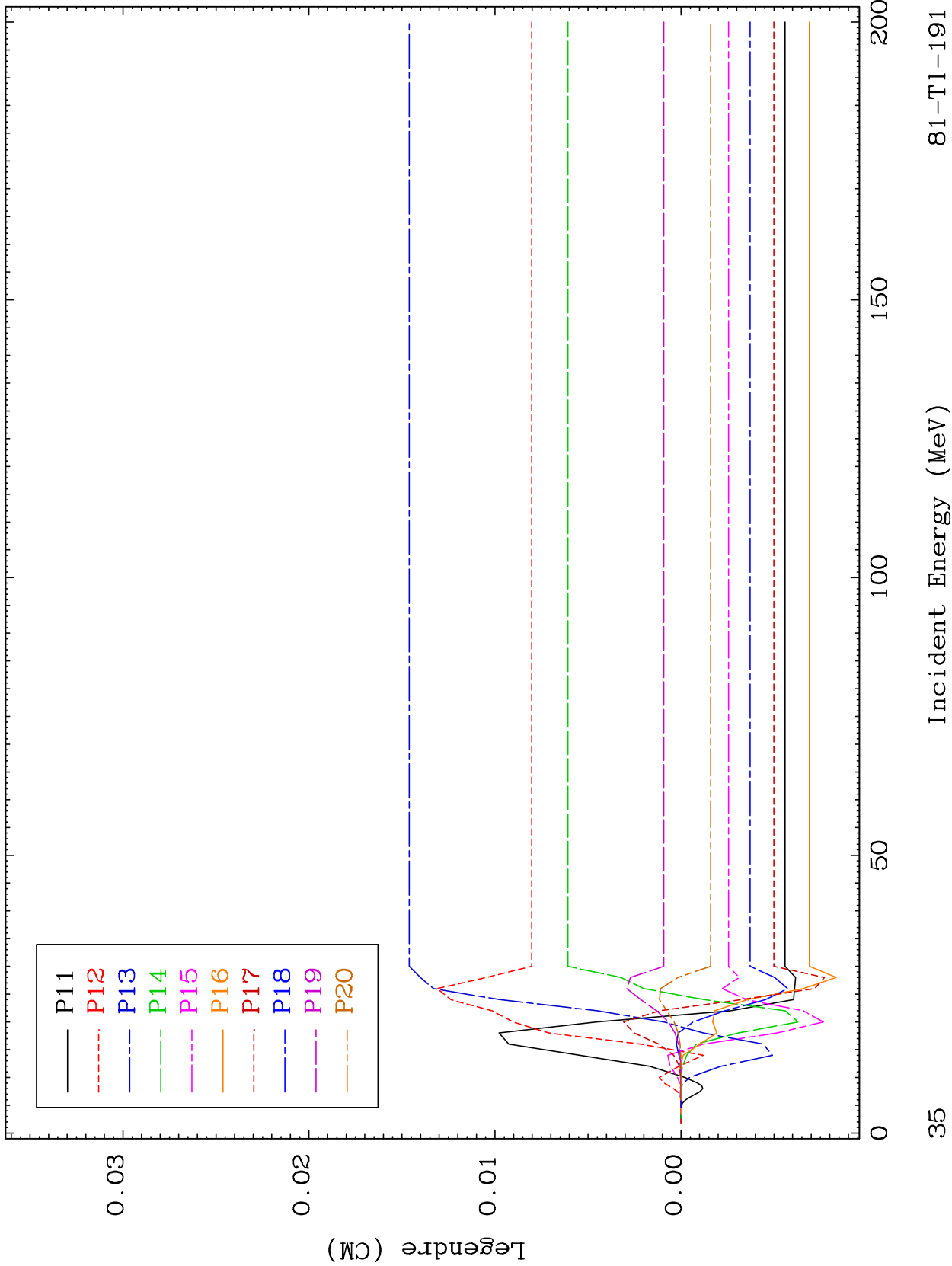
Legendre Coefficients



MAT 8089

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

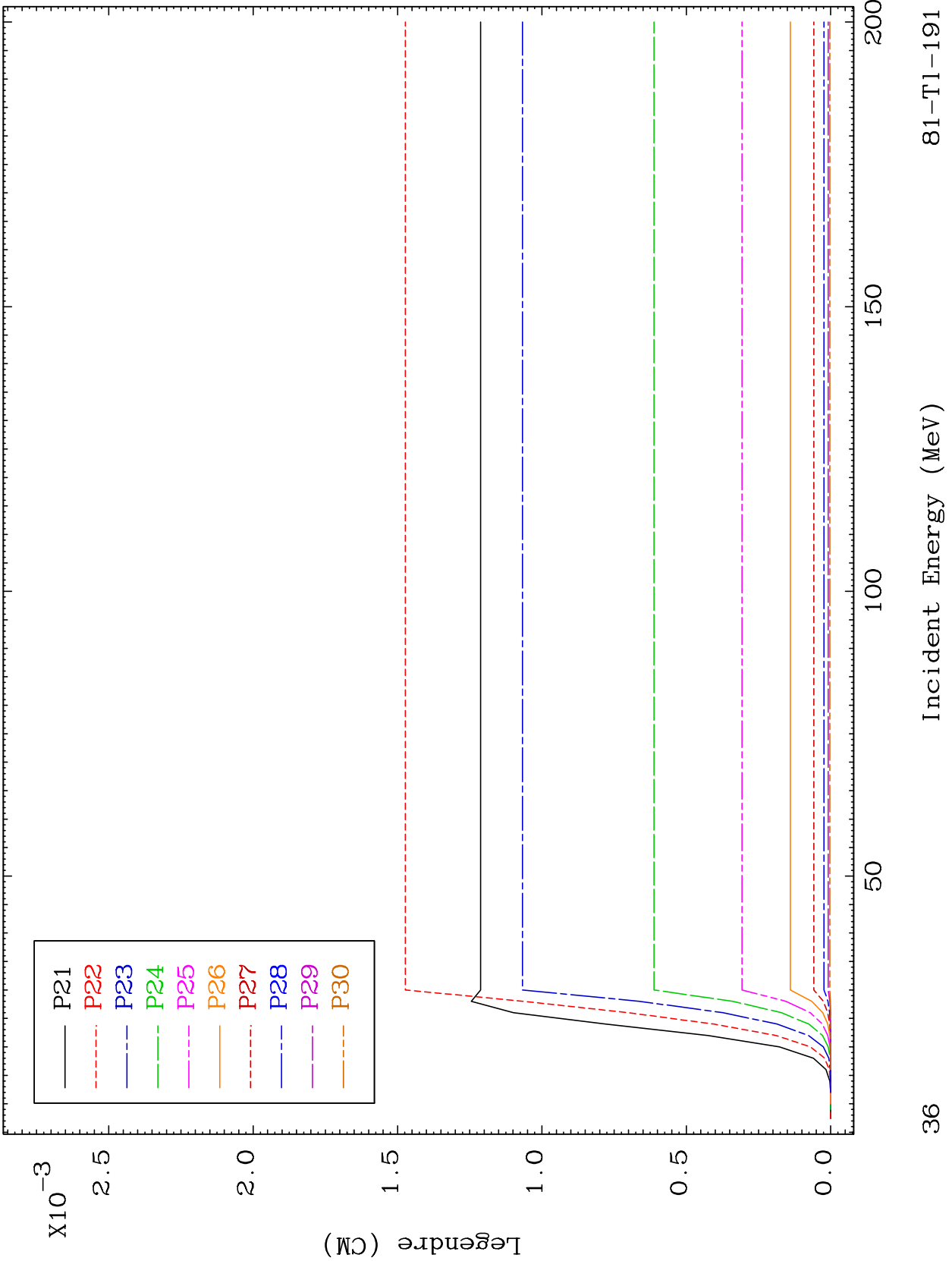
81-Tl-191



35

Incident Energy (MeV)

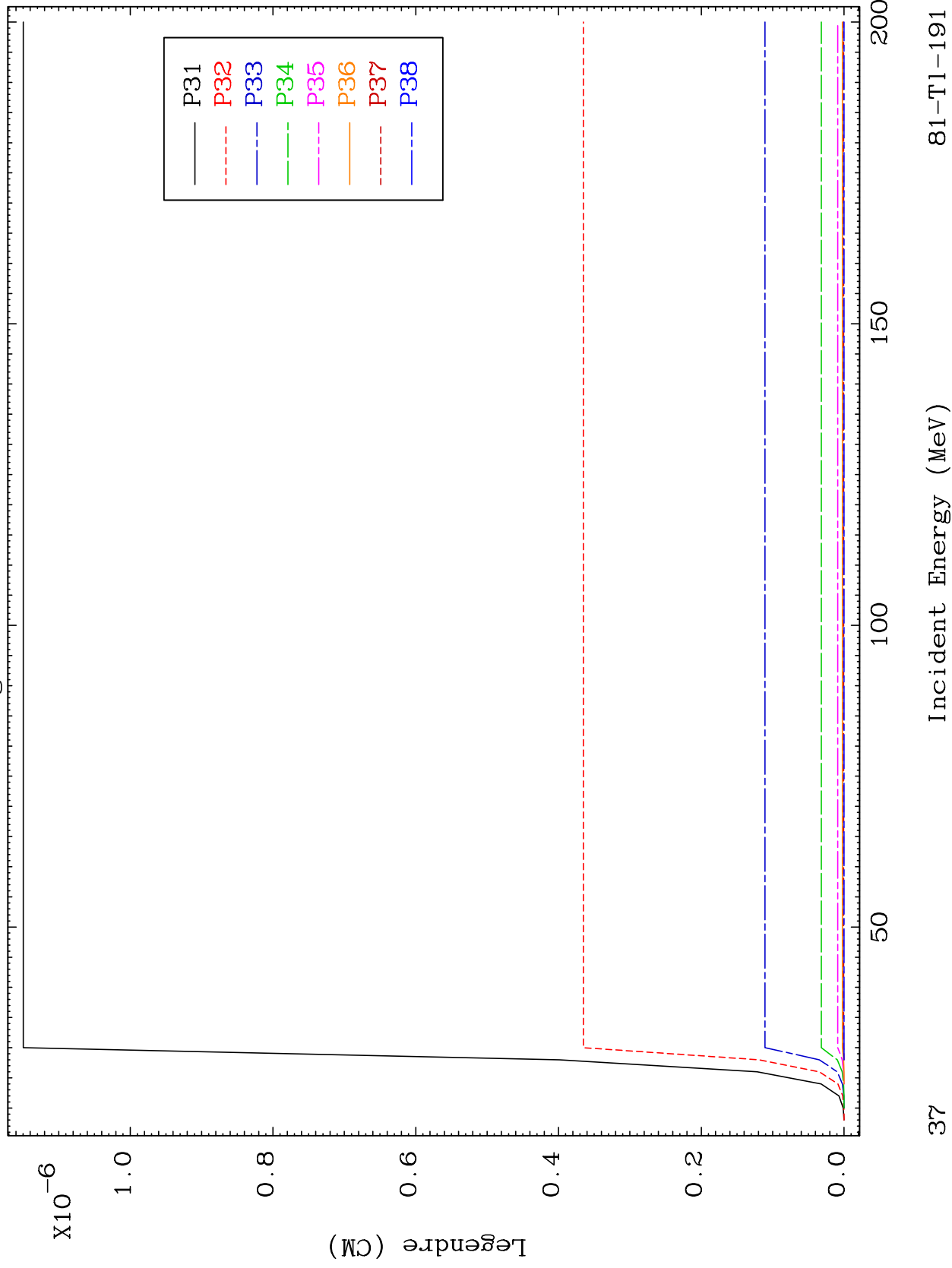
81-Tl-191



MAT 8089

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

81-Tl-191



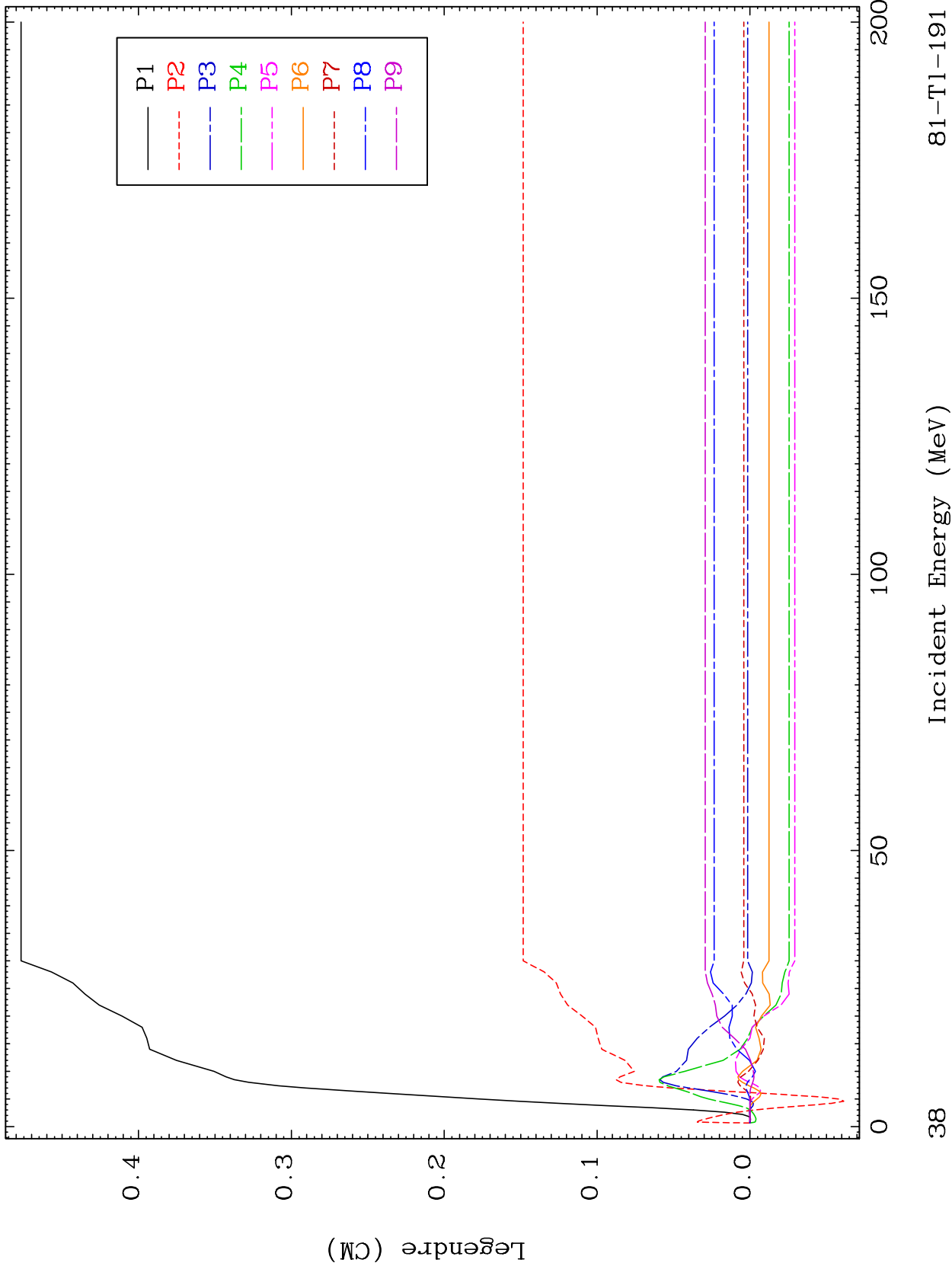
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81-Tl-191

MAT 8089

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

81-Tl-191



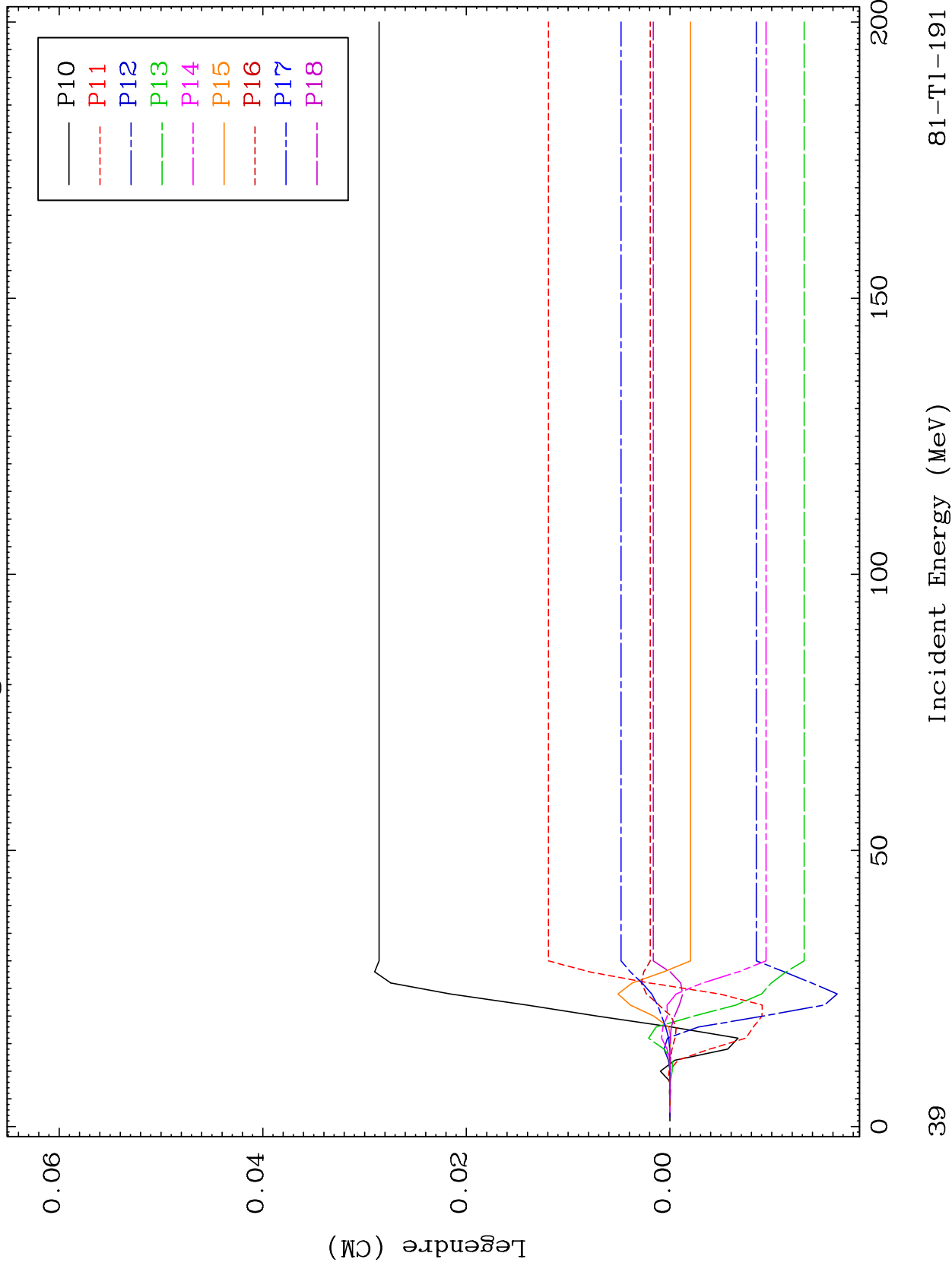
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81-Tl-191

MAT 8089

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

81-Tl-191



39

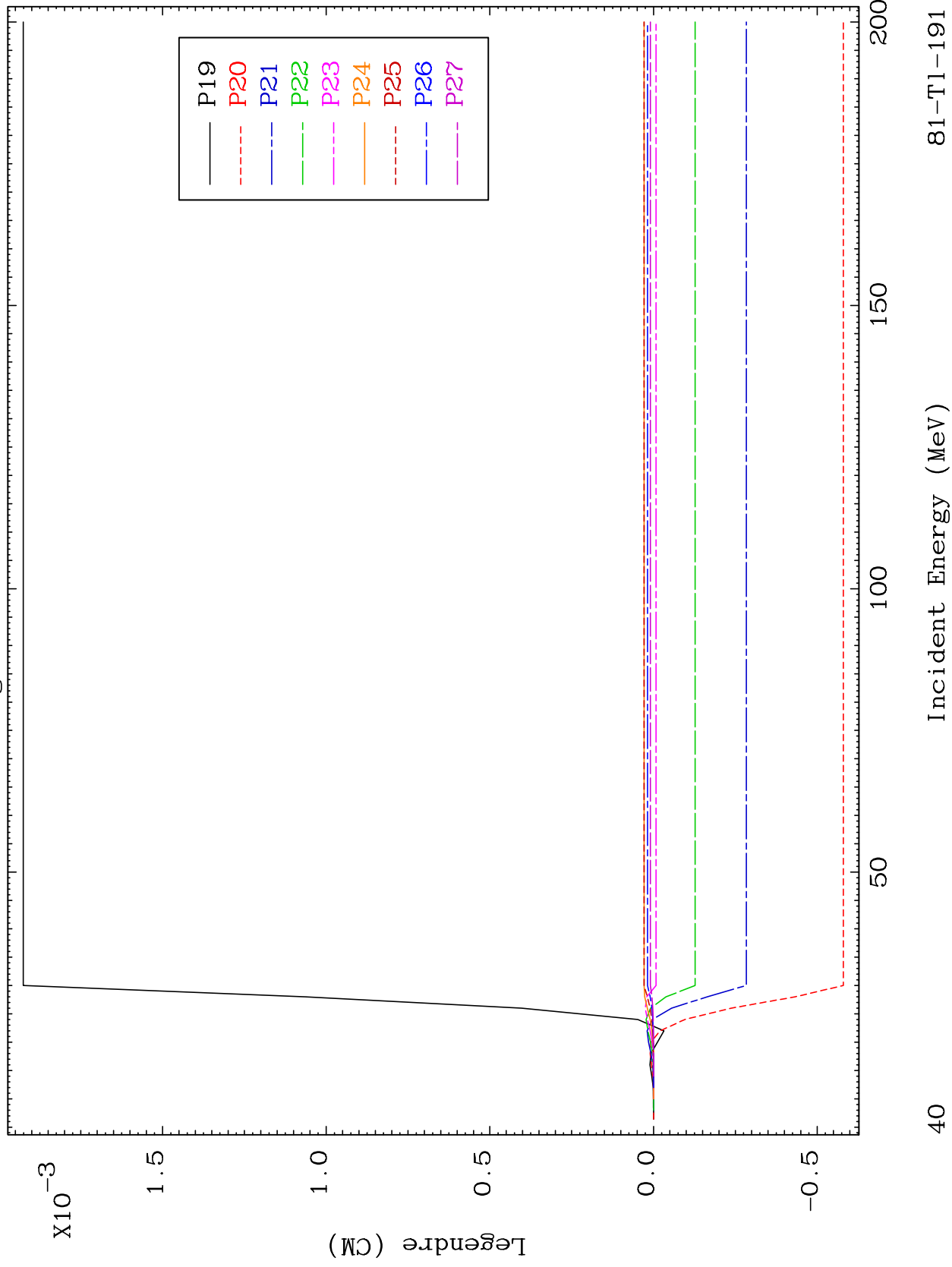
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



81-Tl-191

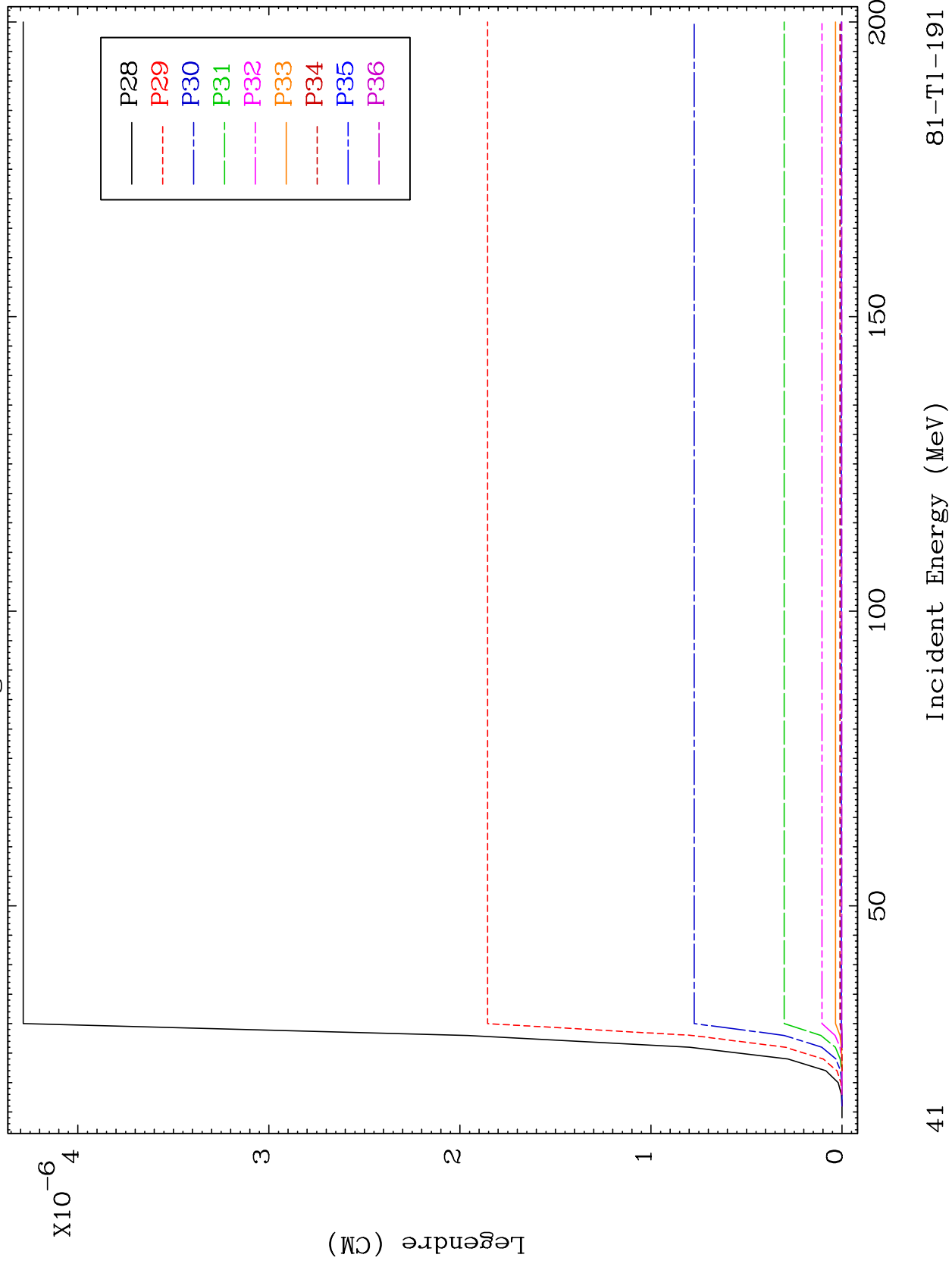
Incident Energy (MeV)

40

MAT 8089

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

81-Tl-191

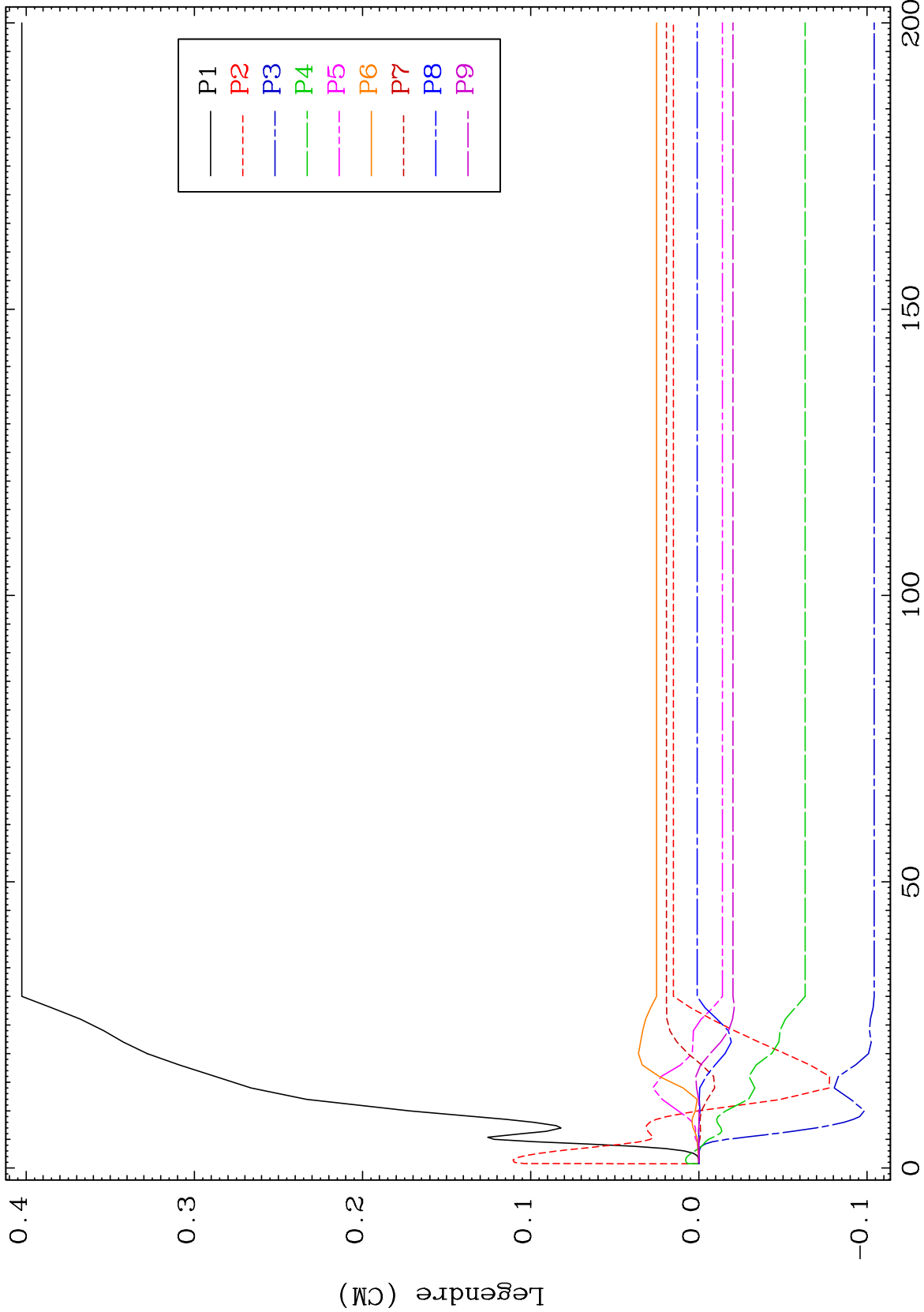


41

MAT 8089

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

81-T1-191



42

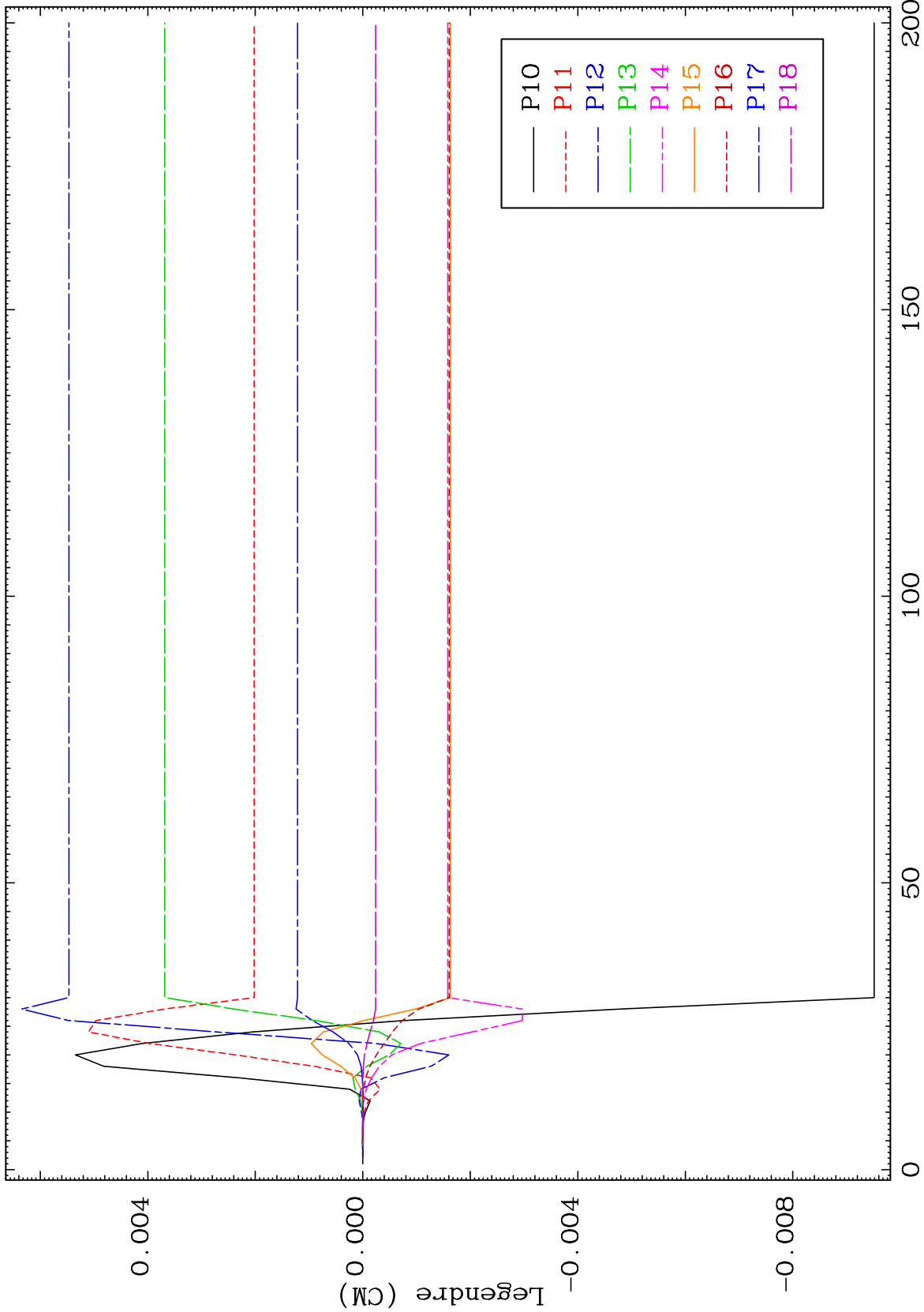
Incident Energy (MeV)

81-T1-191

MAT 8089

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

81-Tl-191



43

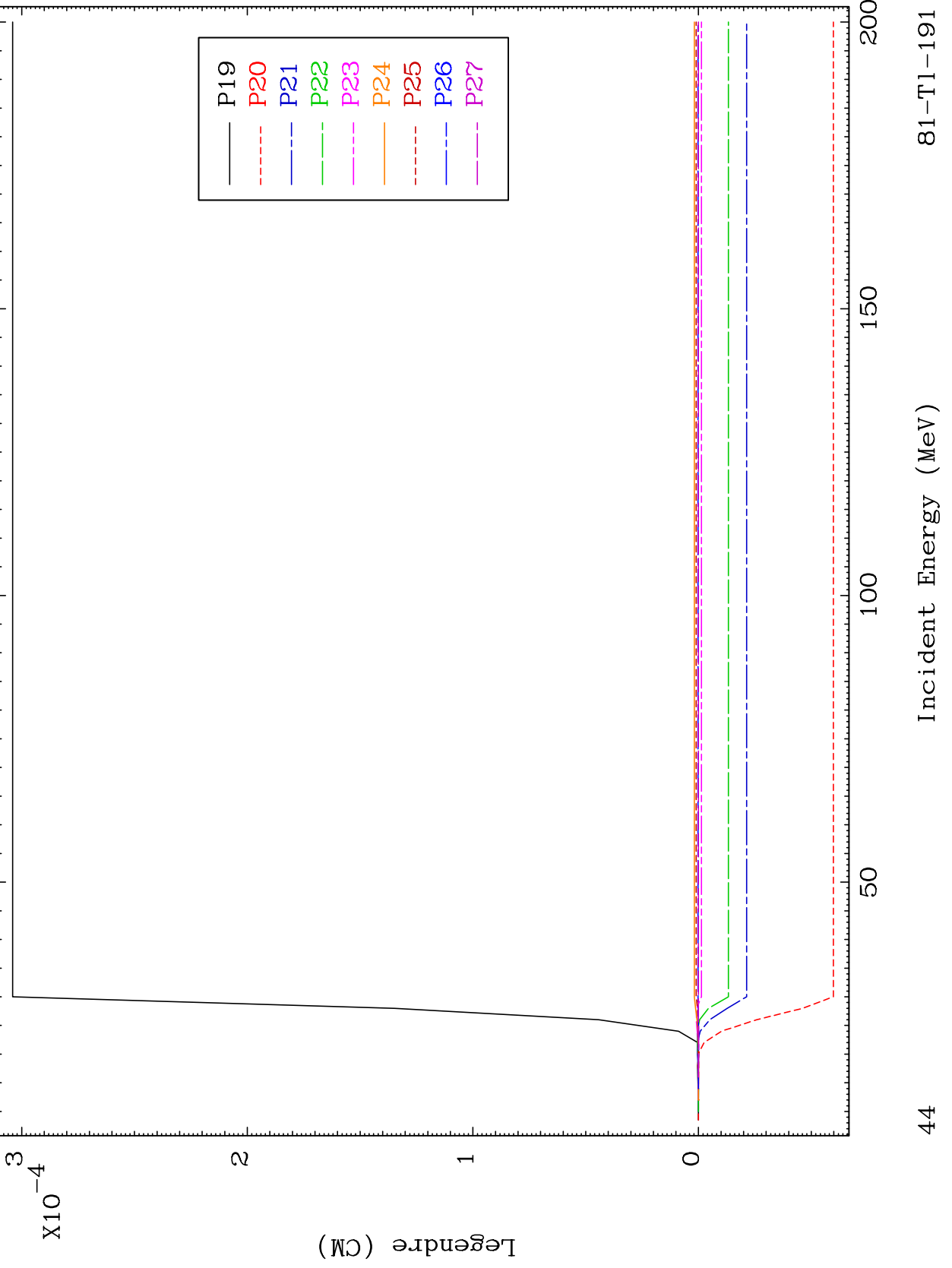
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



44

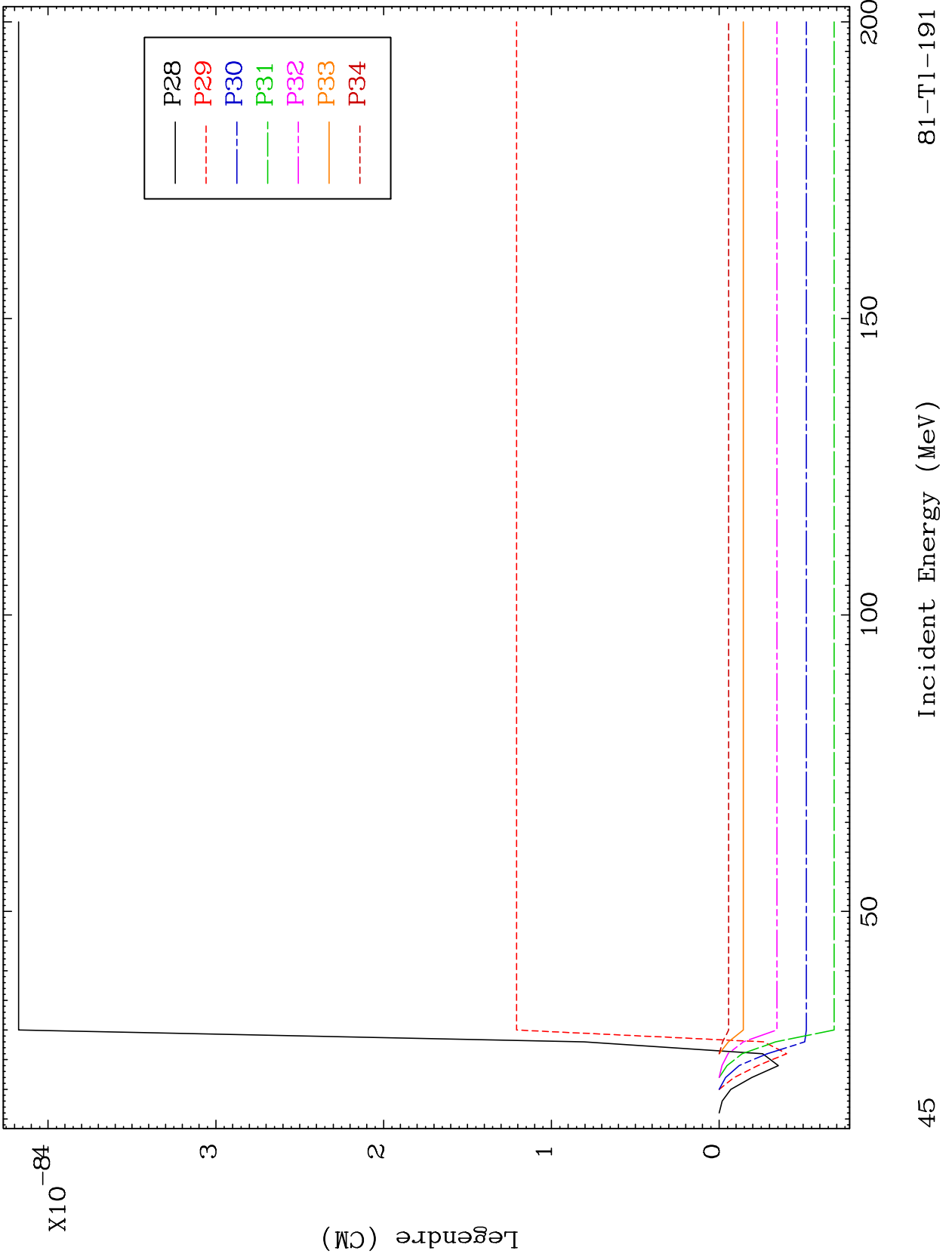
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-T1-191



45

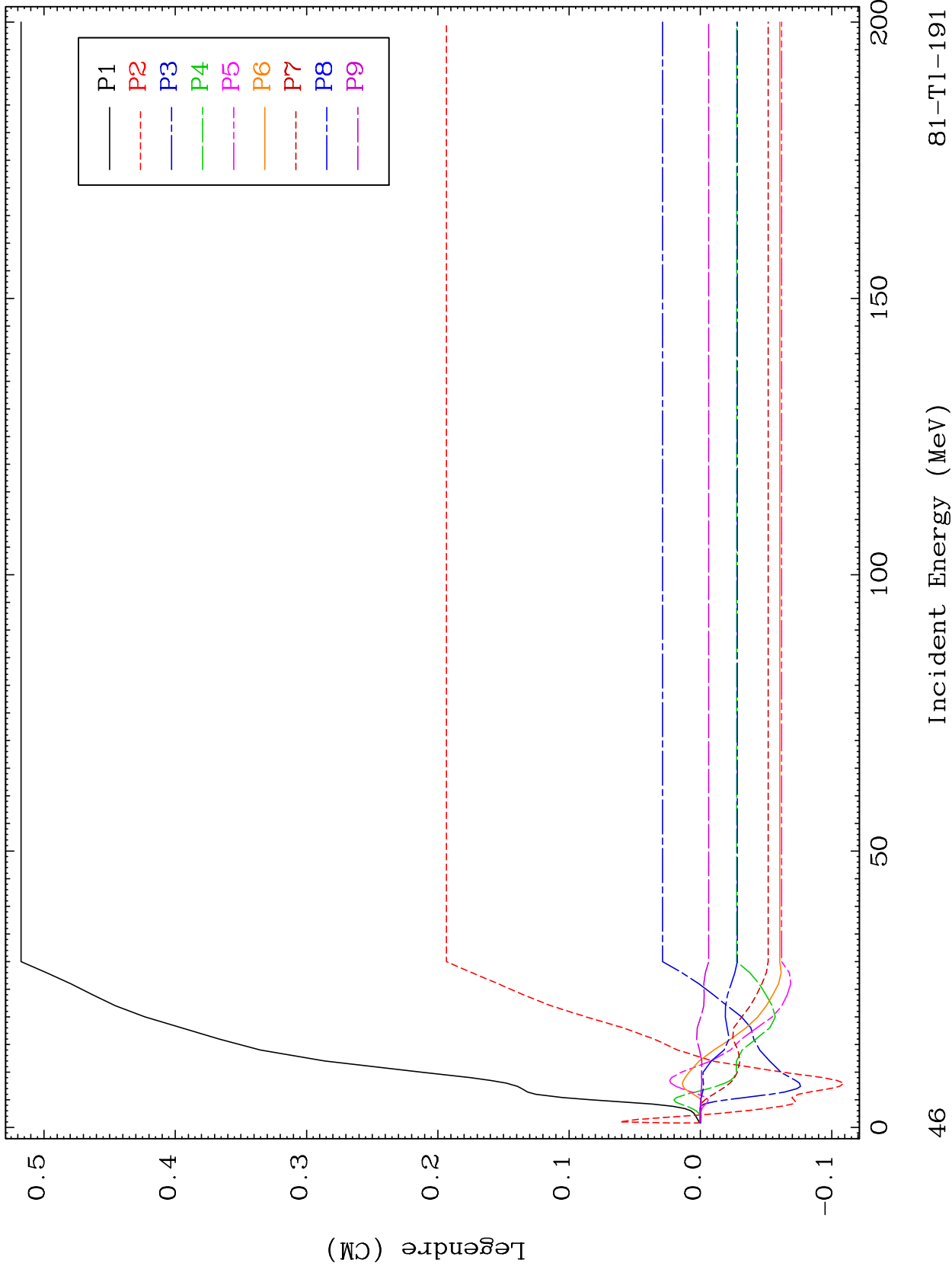
Incident Energy (MeV)

81-T1-191

MAT 8089

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

81-Tl-191



81-Tl-191

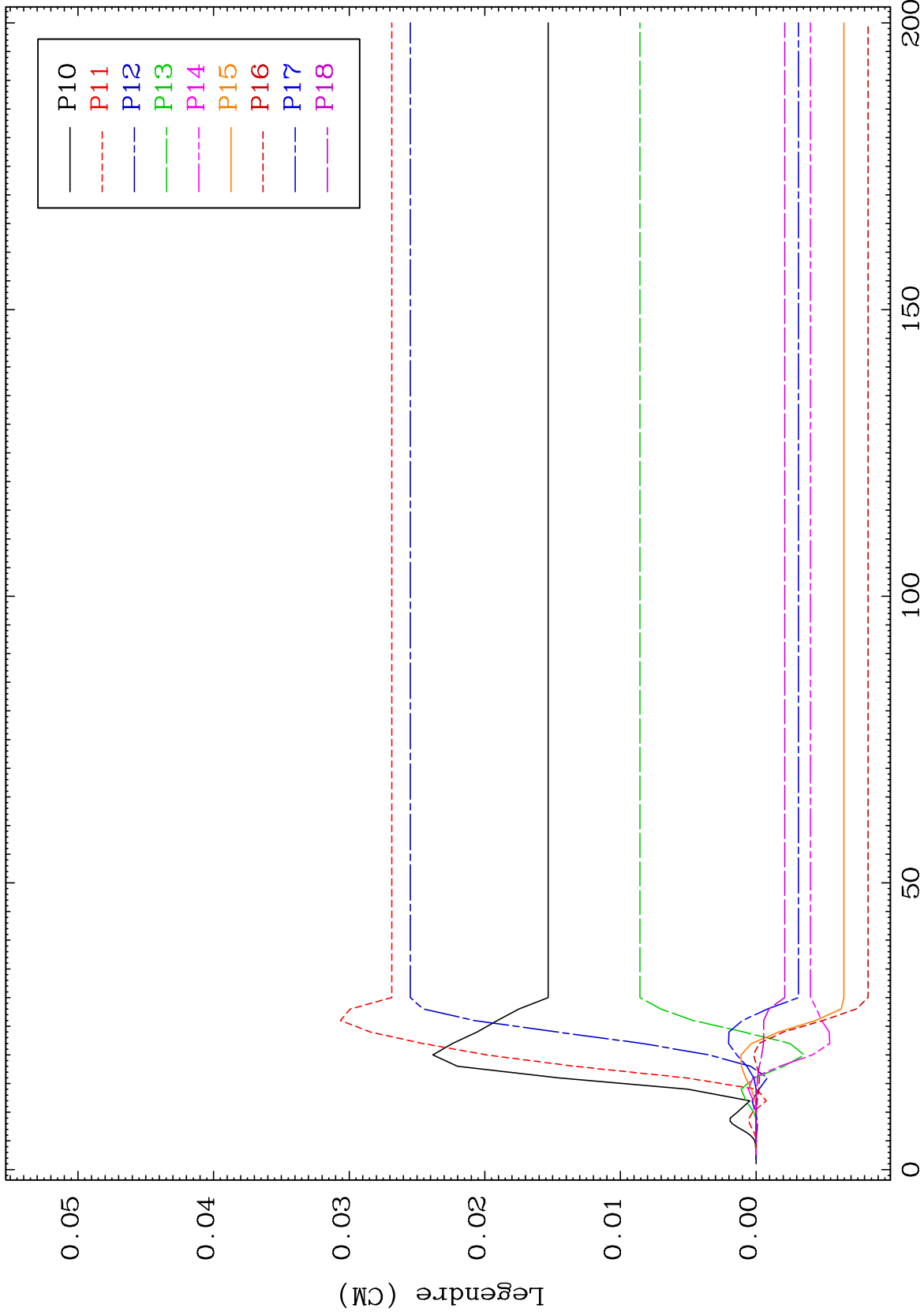
Incident Energy (MeV)

46

MAT 8089

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

81-Tl-191



47

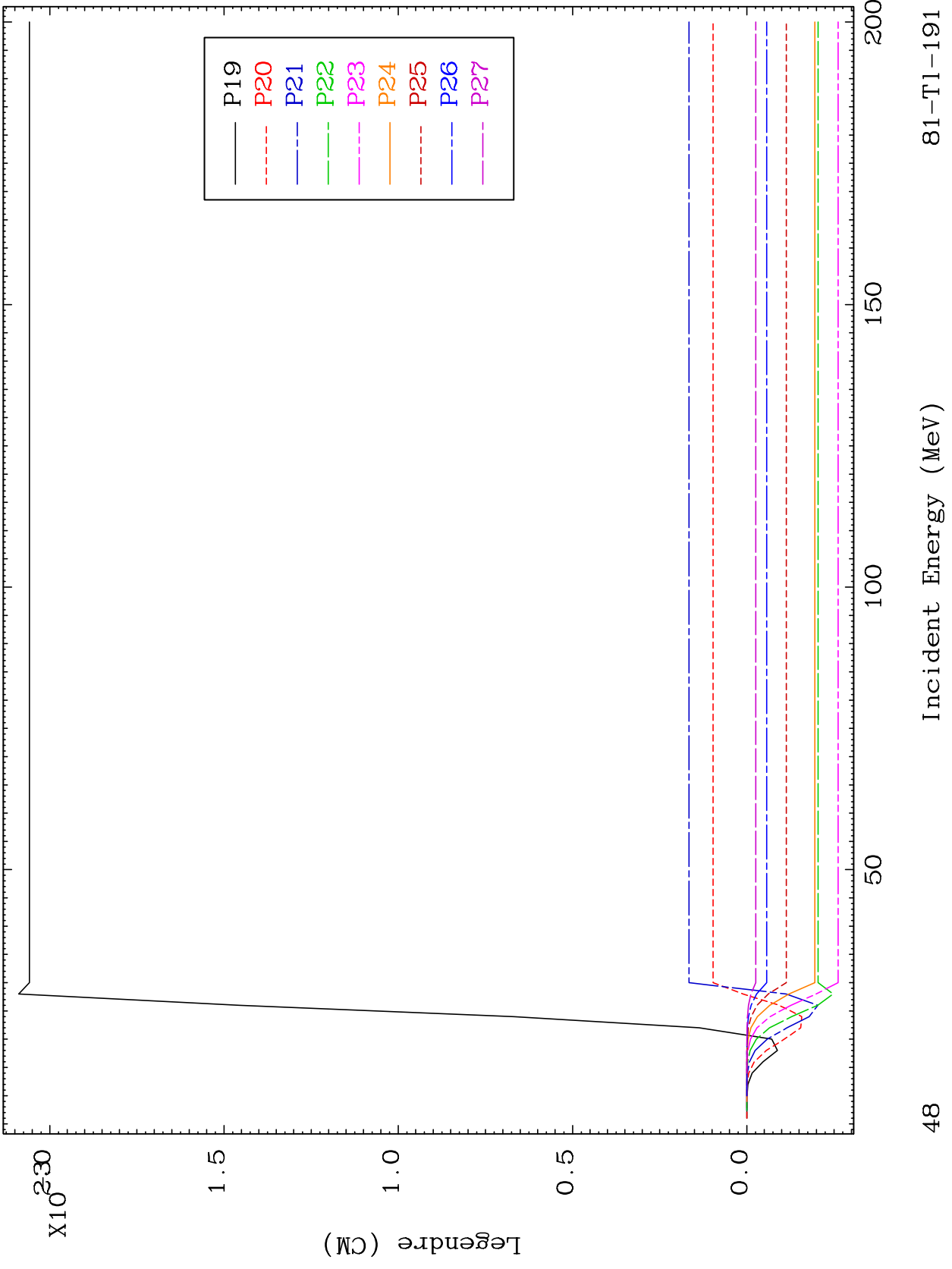
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



48

Incident Energy (MeV)

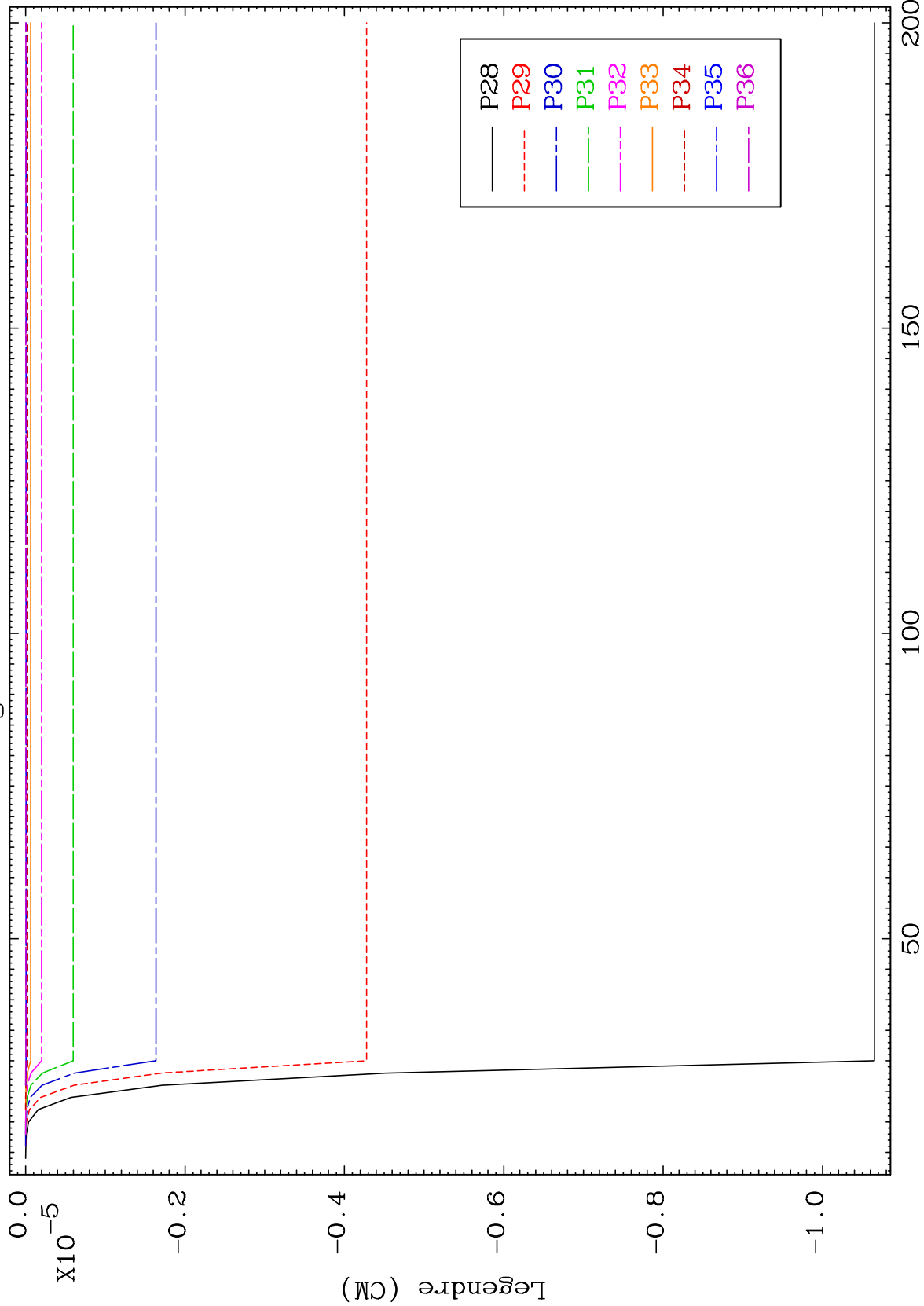
81-Tl-191

MAT 8089

MT= 57 (n,n') Level

81-Tl-191

Legendre Coefficients



49

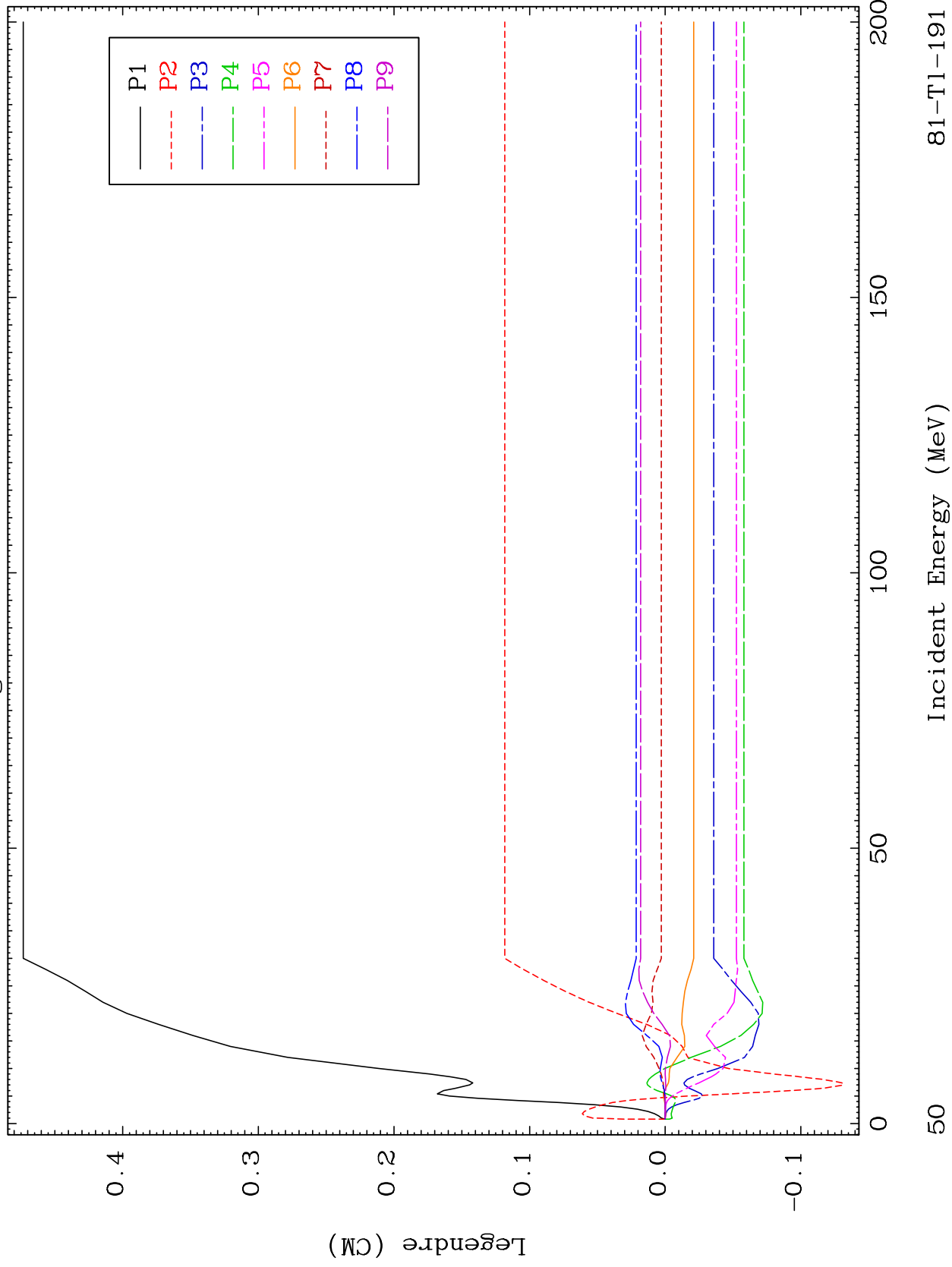
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



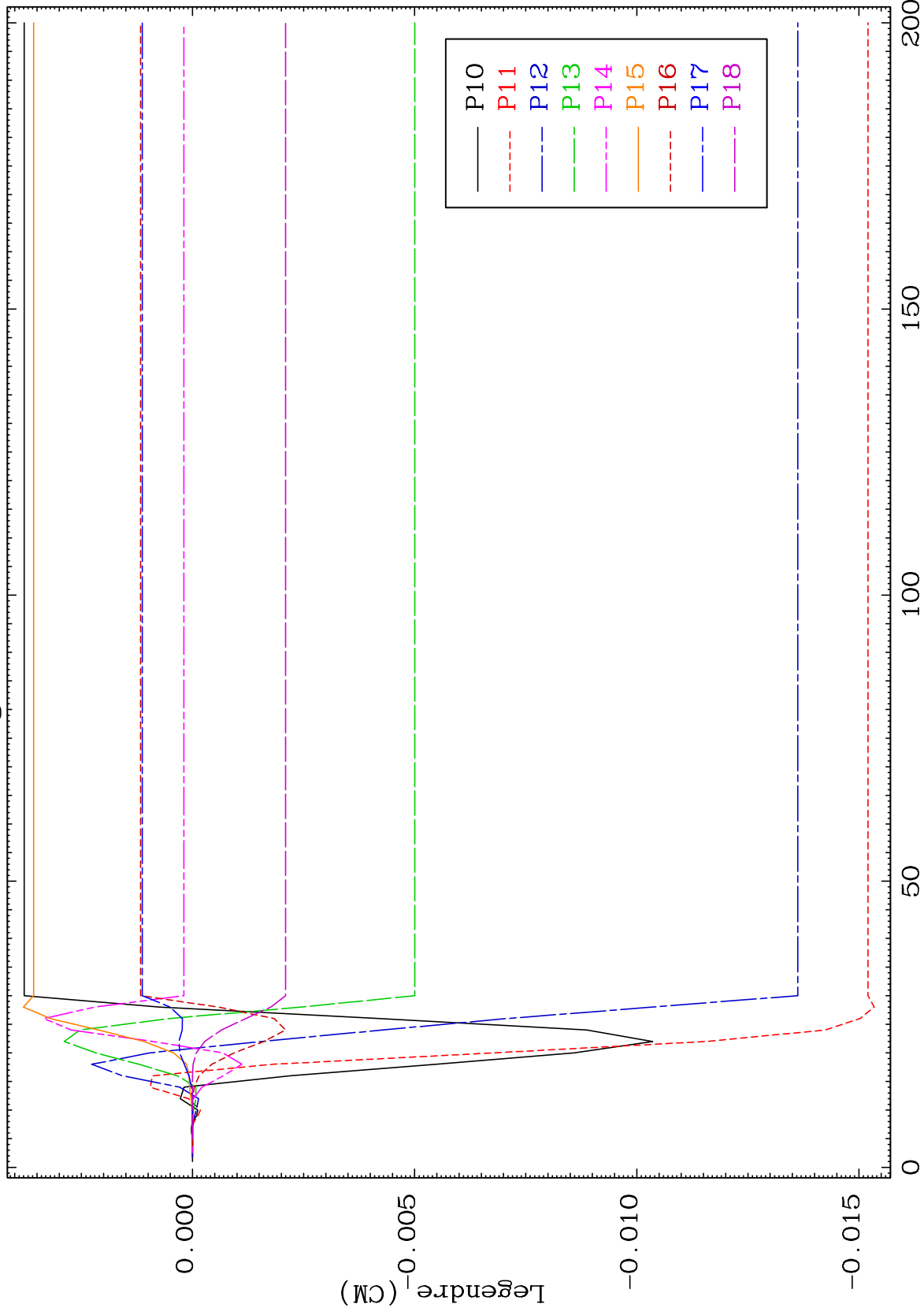
81-Tl-191

Incident Energy (MeV)

MAT 8089

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

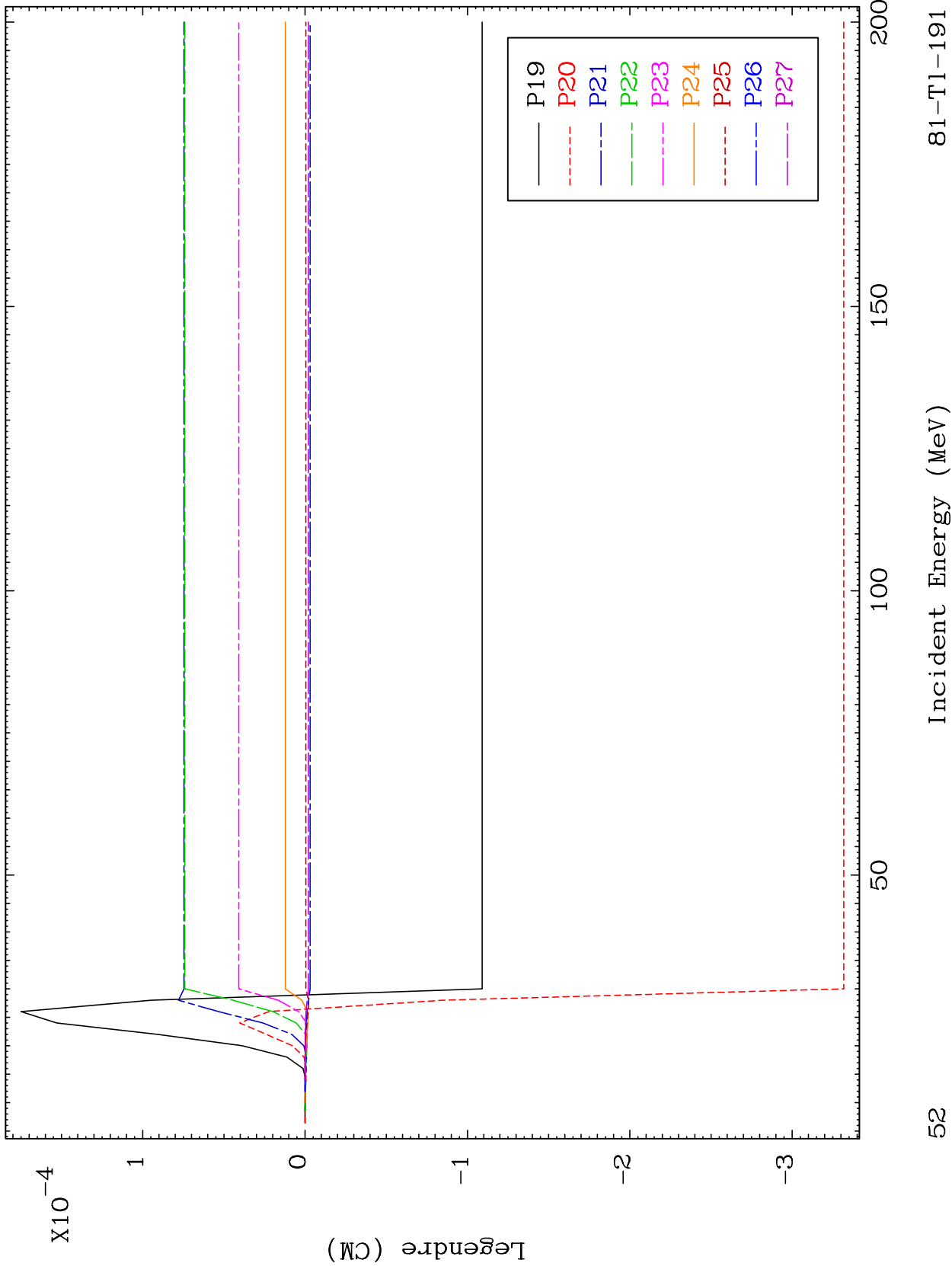
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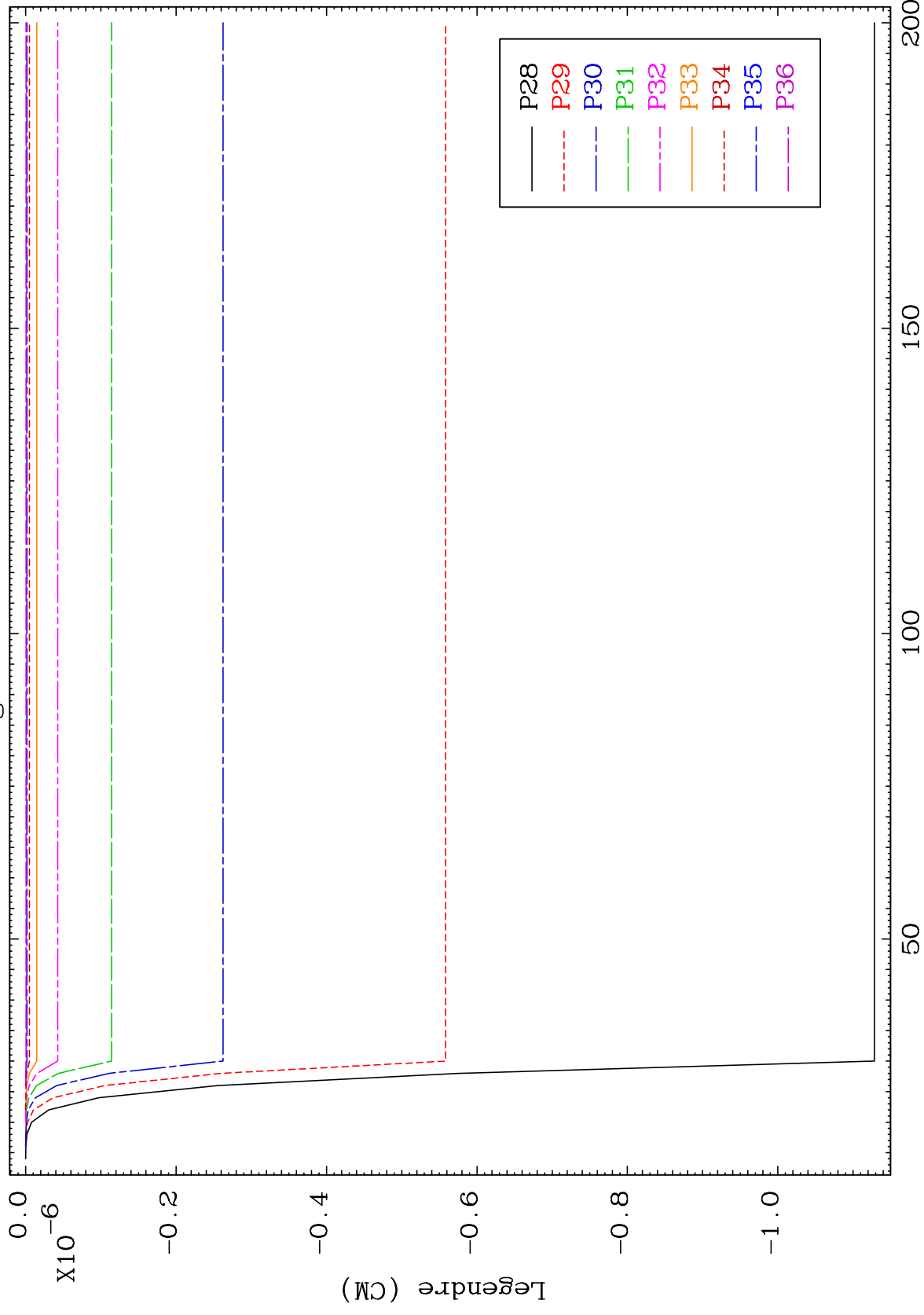


51

Incident Energy (MeV)

81-Tl-191

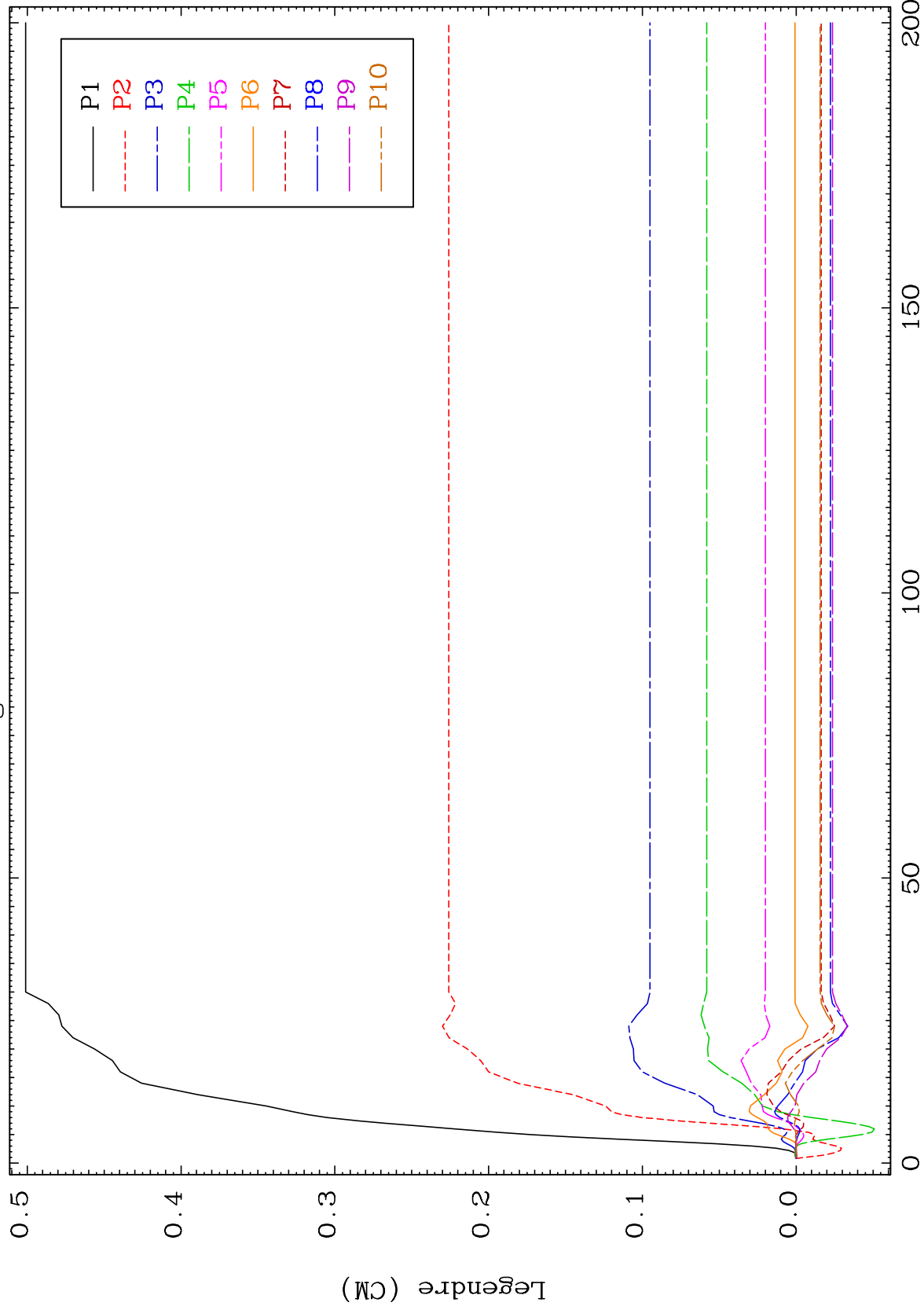




MAT 8089

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

81-Tl-191



54

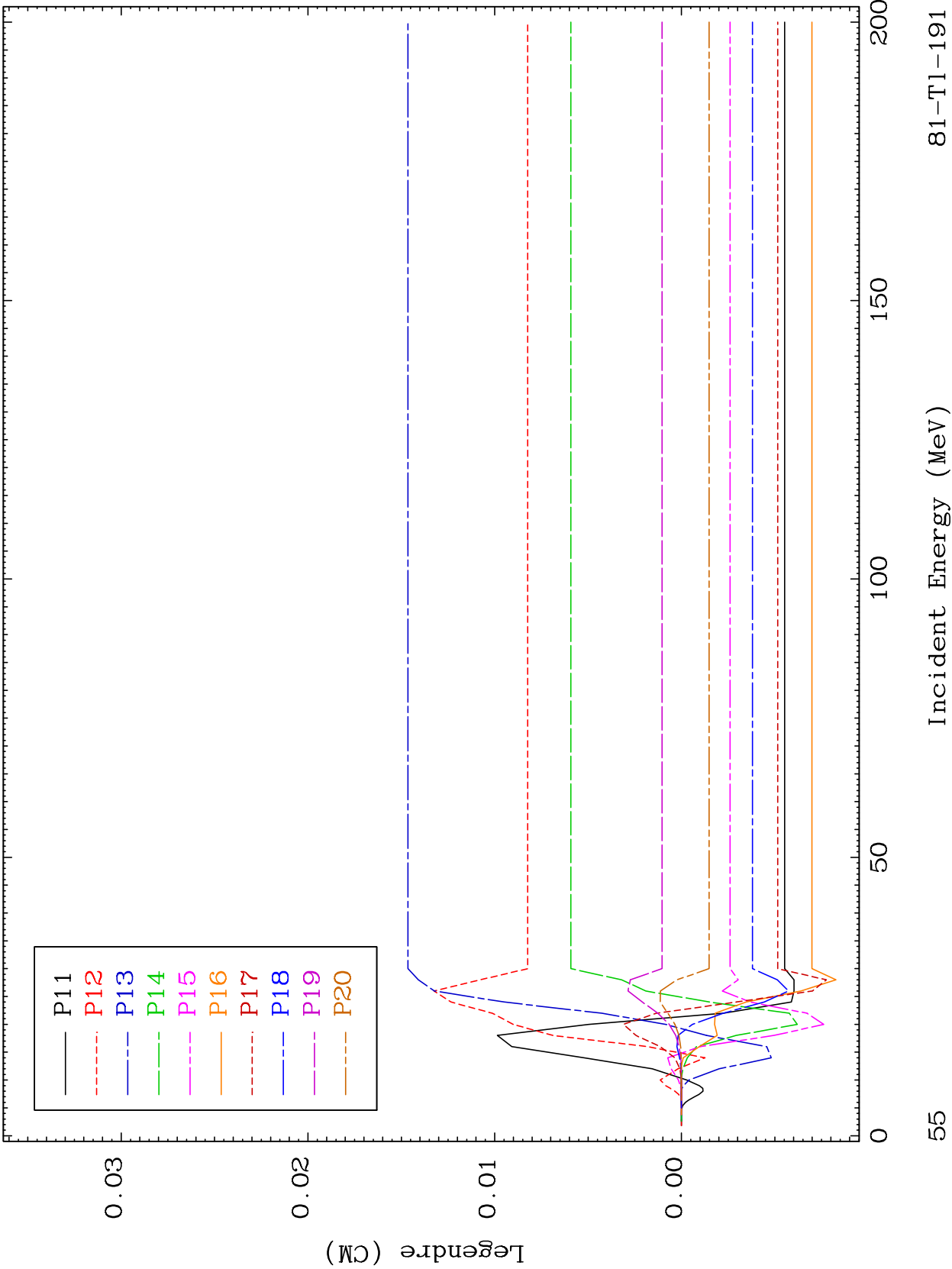
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

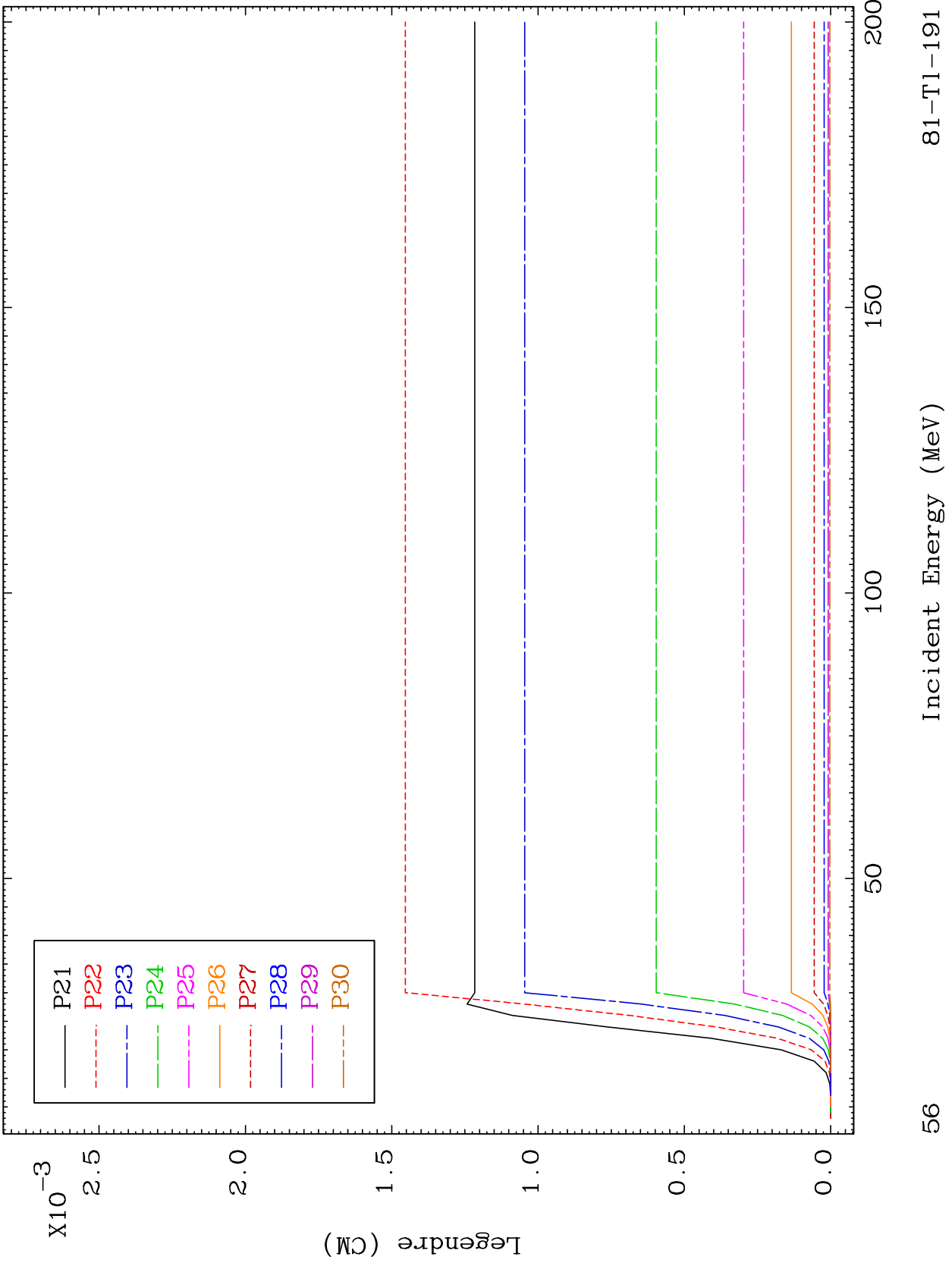
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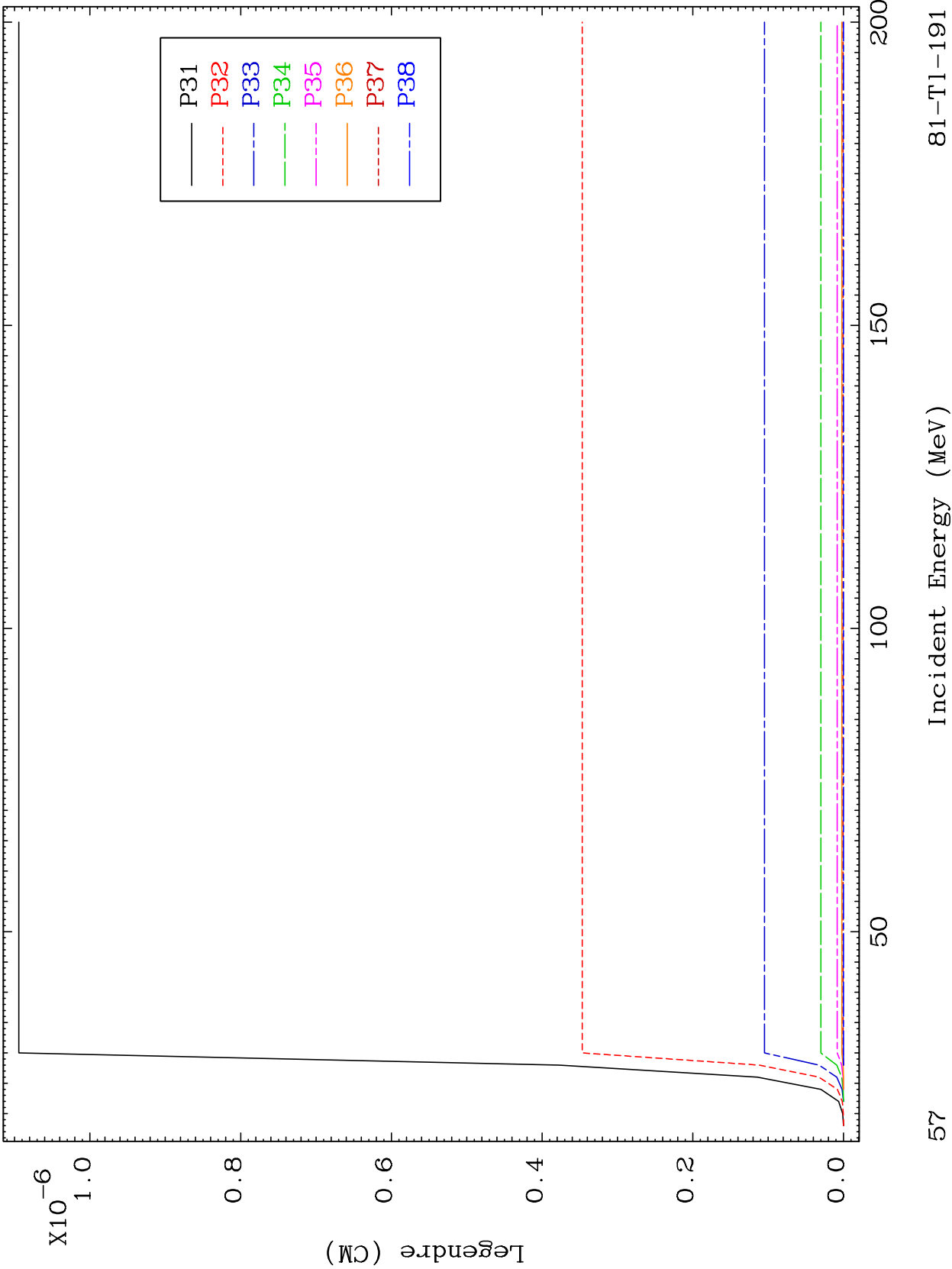


81-Tl-191

Incident Energy (MeV)

55

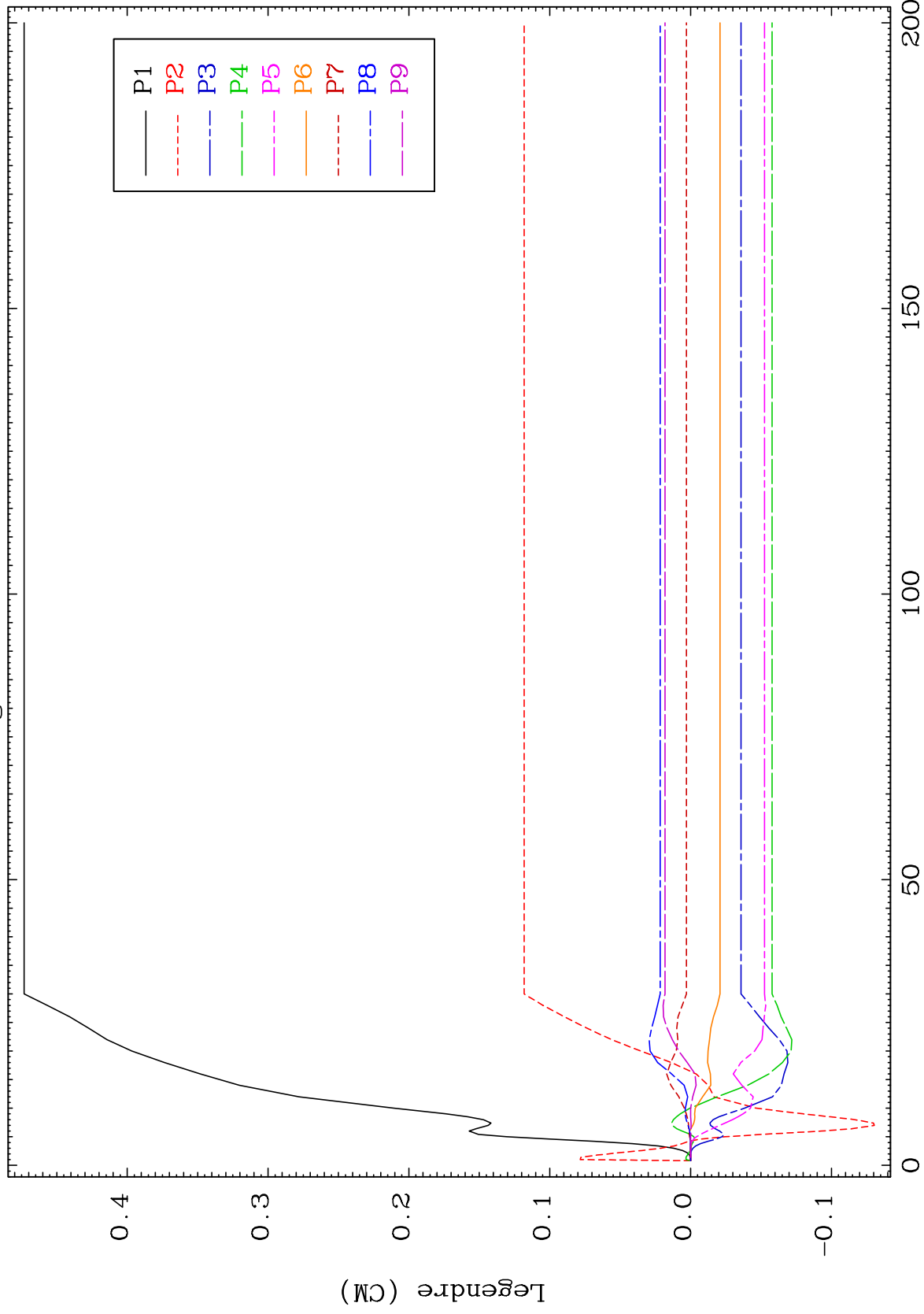




MAT 8089

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

81-Tl-191



58

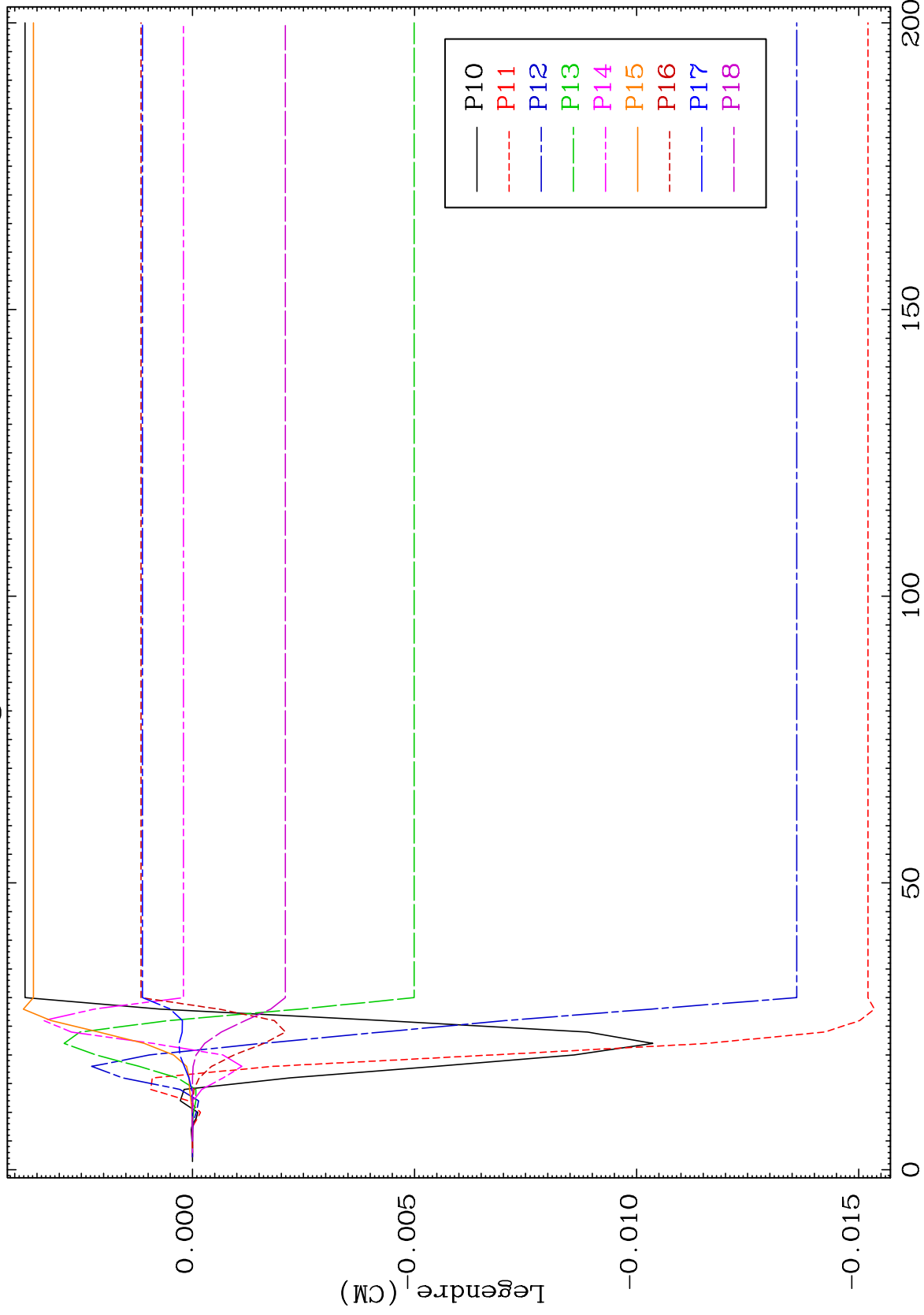
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



59

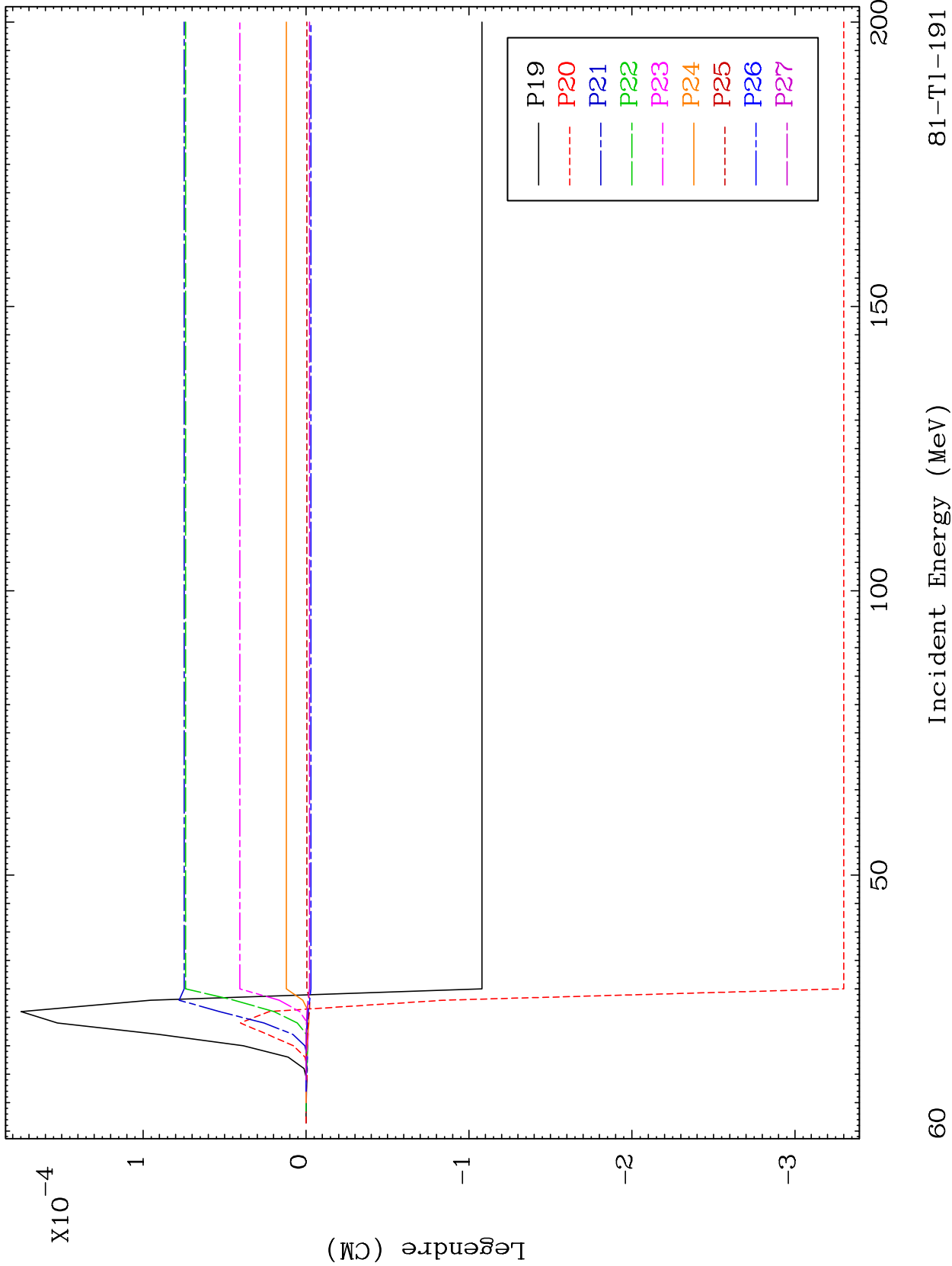
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

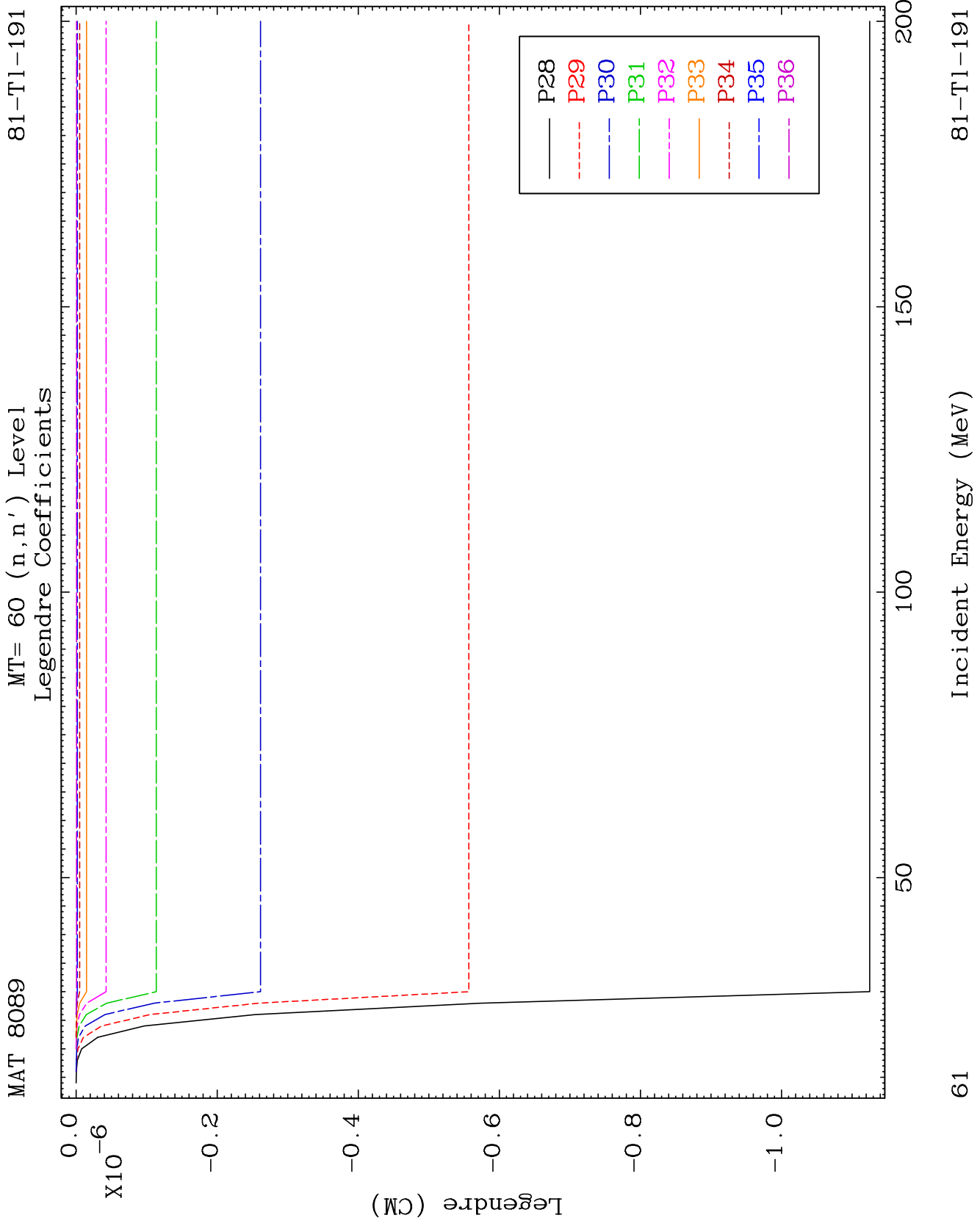
81-Tl-191



60

Incident Energy (MeV)

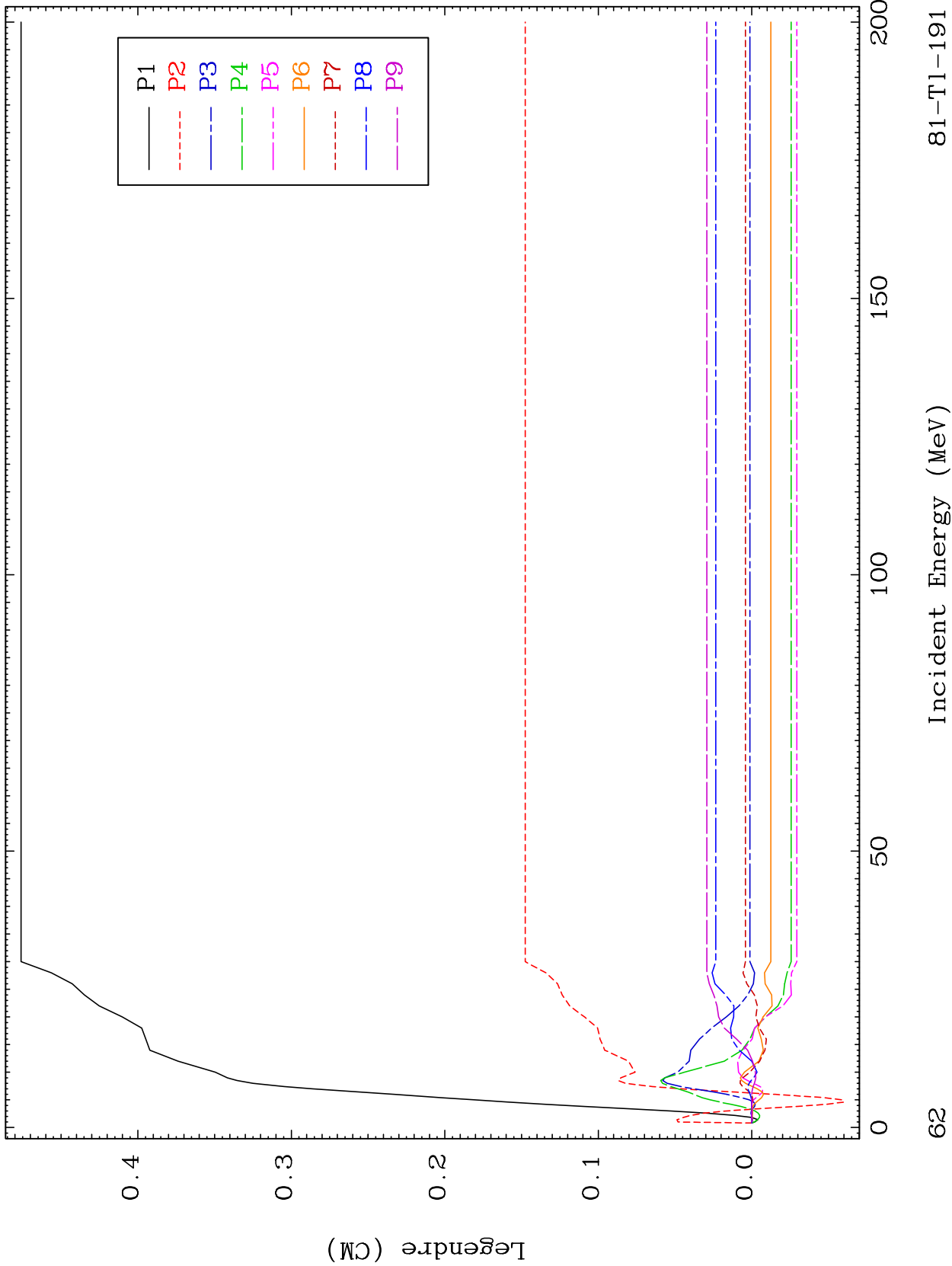
81-Tl-191



MAT 8089

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

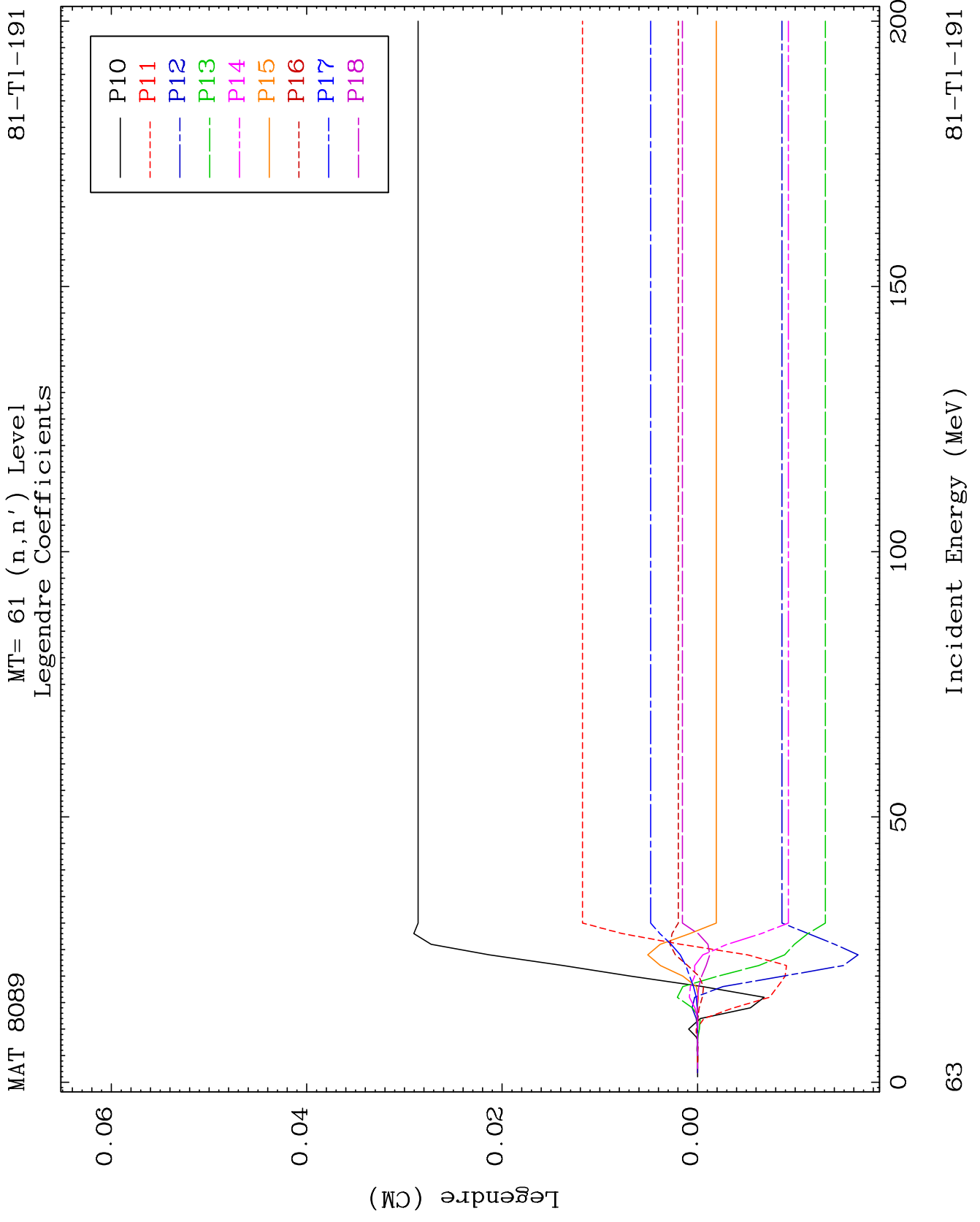
81-Tl-191



81-Tl-191

Incident Energy (MeV)

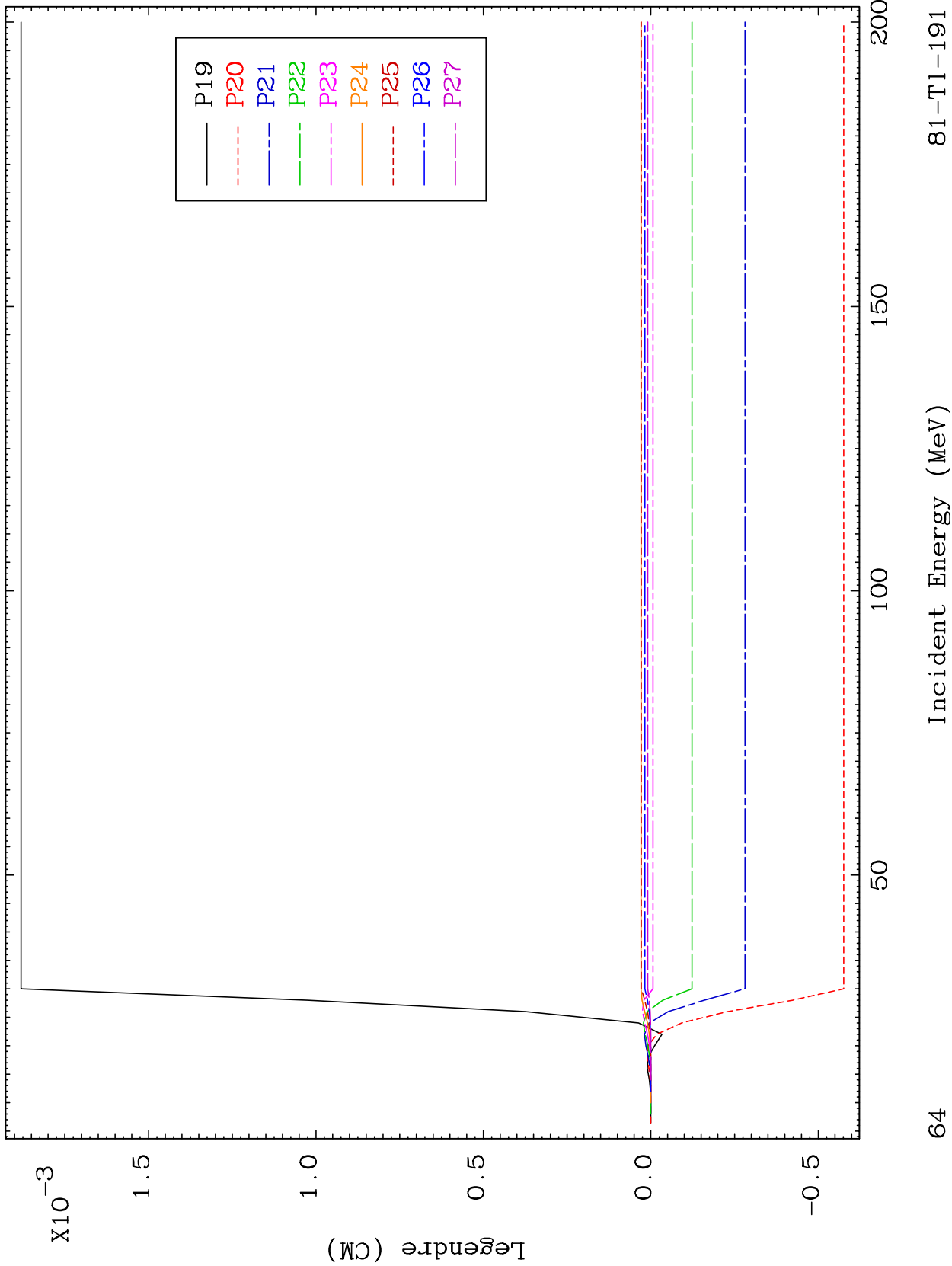
62



MAT 8089

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

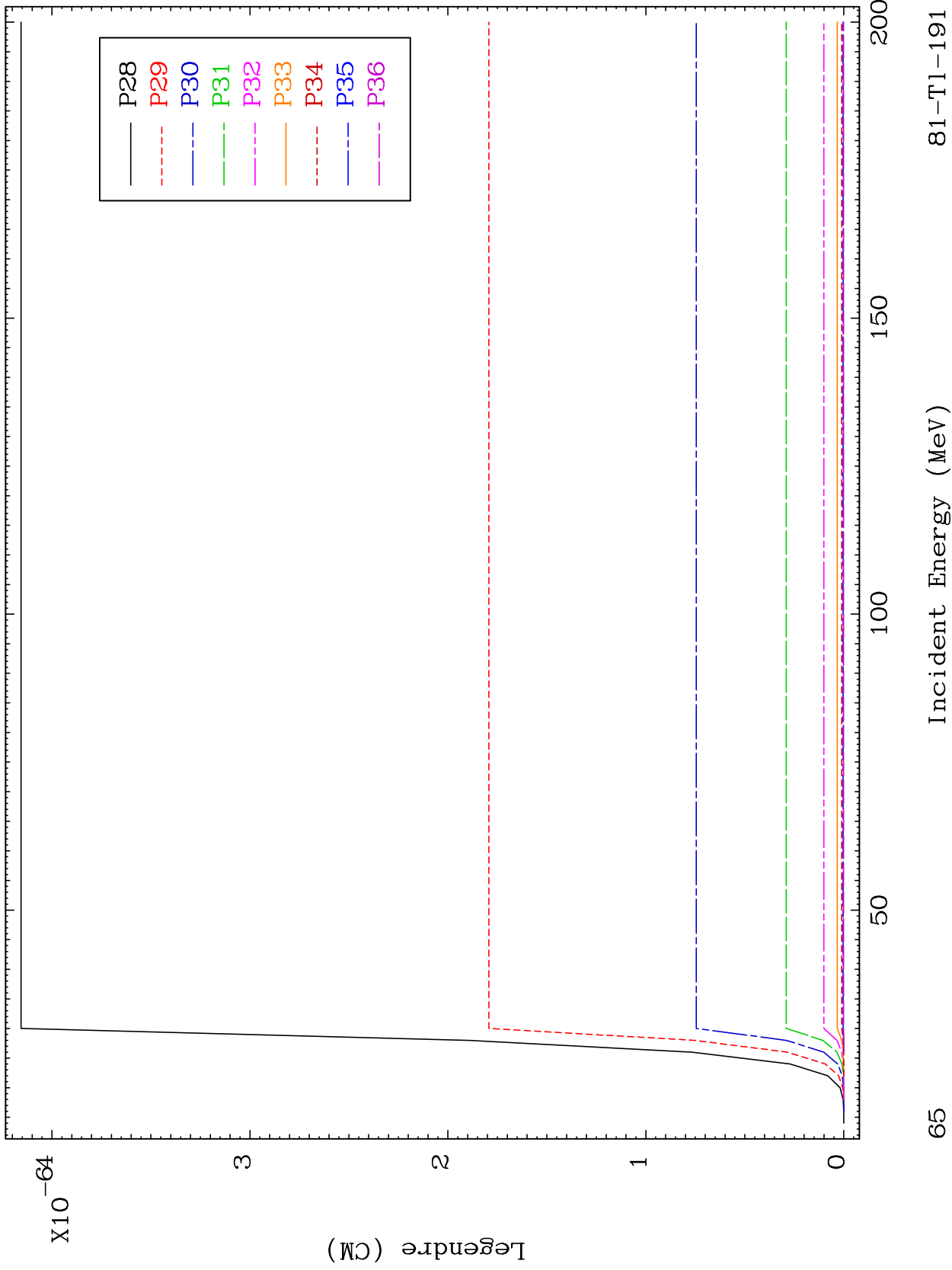
81-Tl-191



MAT 8089

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

81-Tl-191

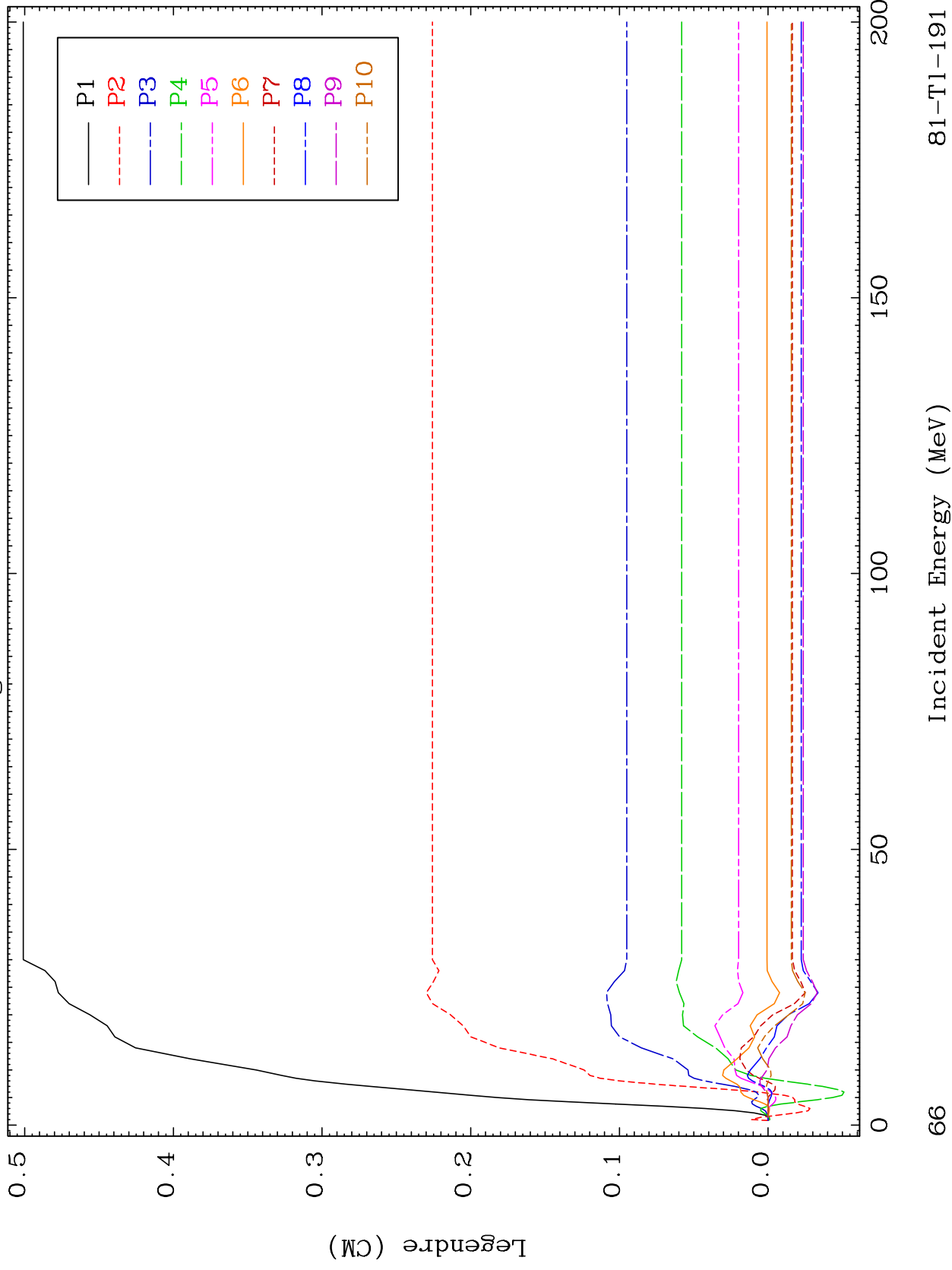


MAT 8089

MT= 62 (n,n') Level

81-Tl-191

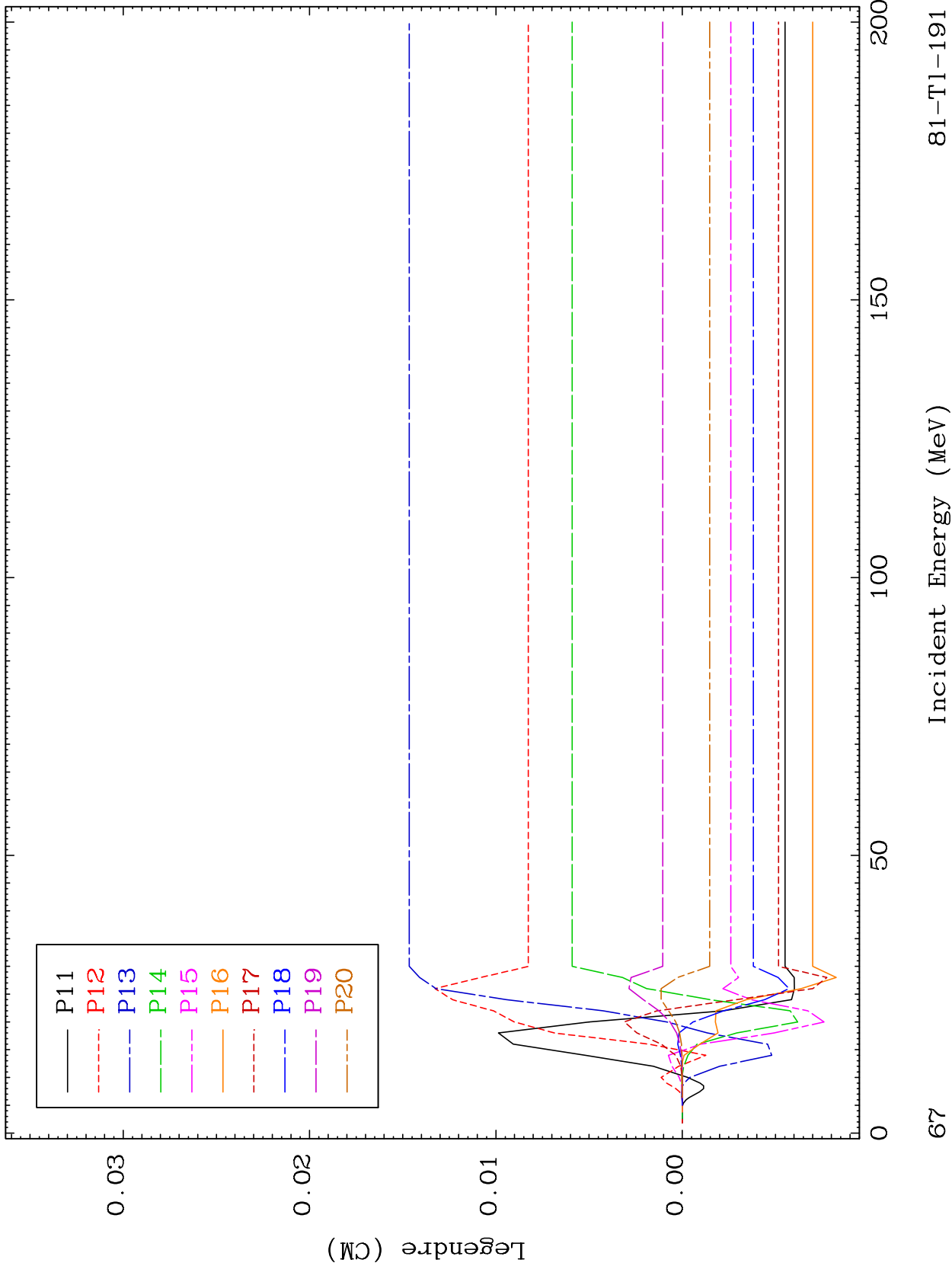
Legendre Coefficients



MAT 8089

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

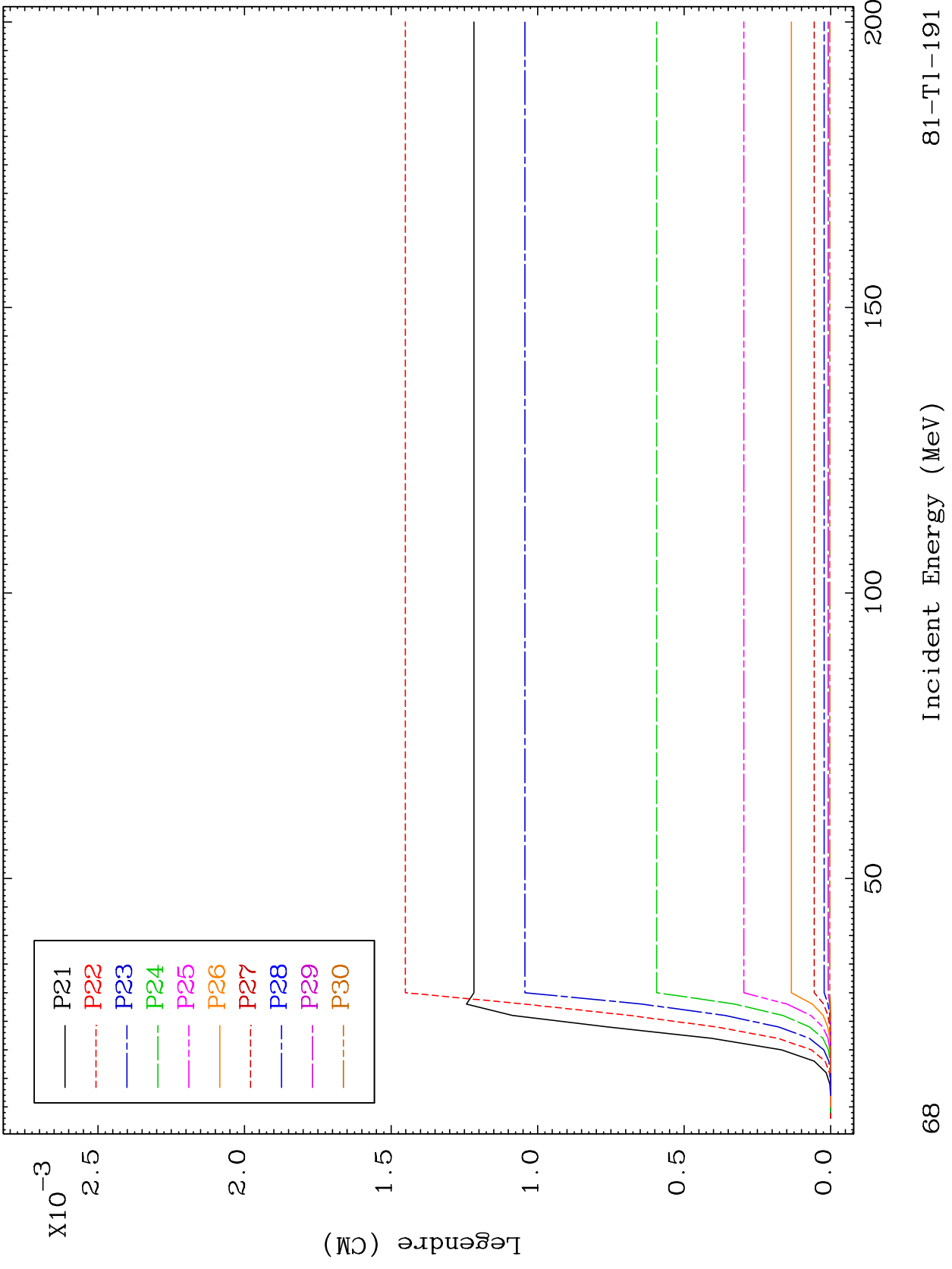
81-Tl-191



67

Incident Energy (MeV)

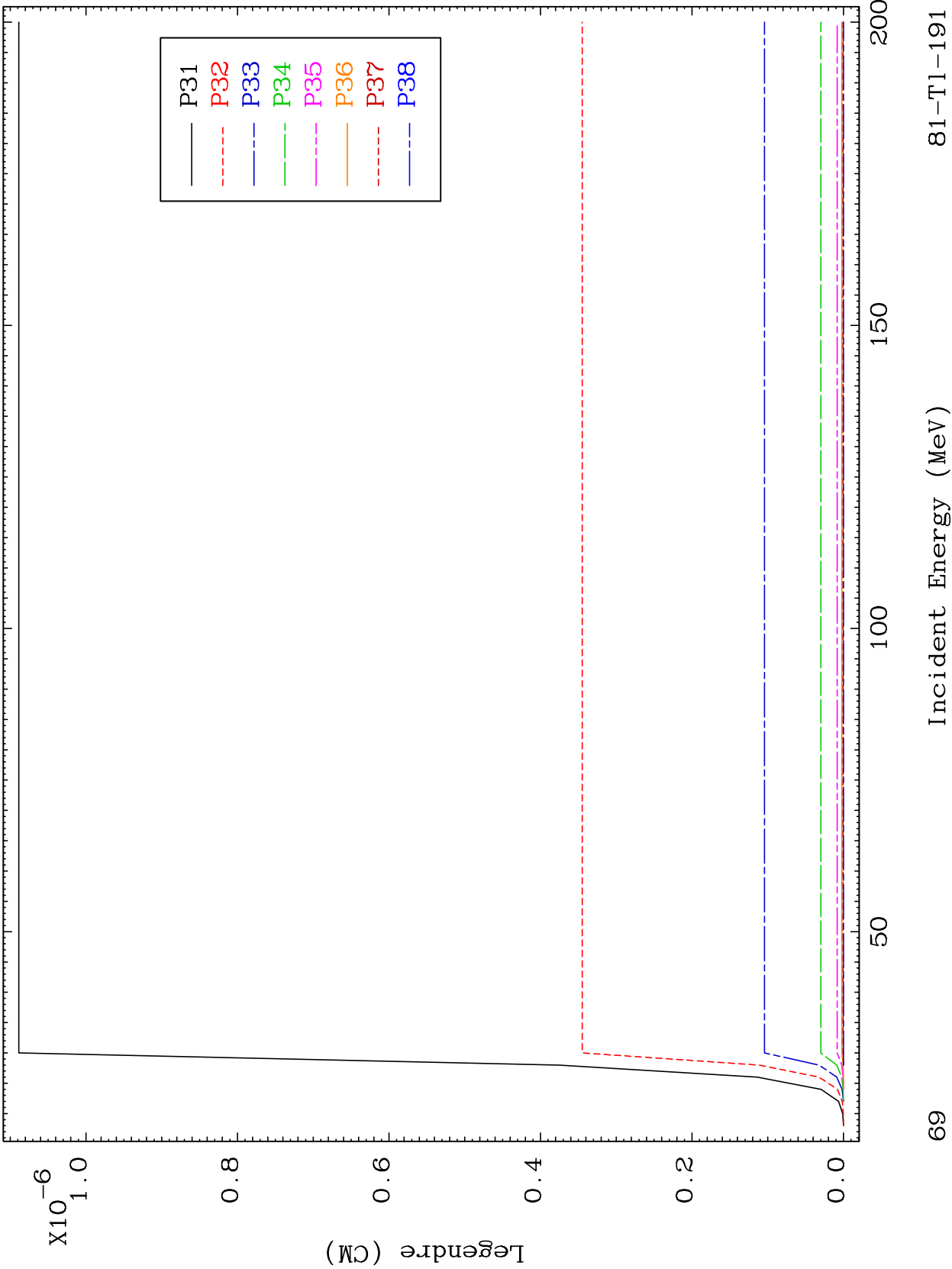
81-Tl-191



MAT 8089

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

81-Tl-191



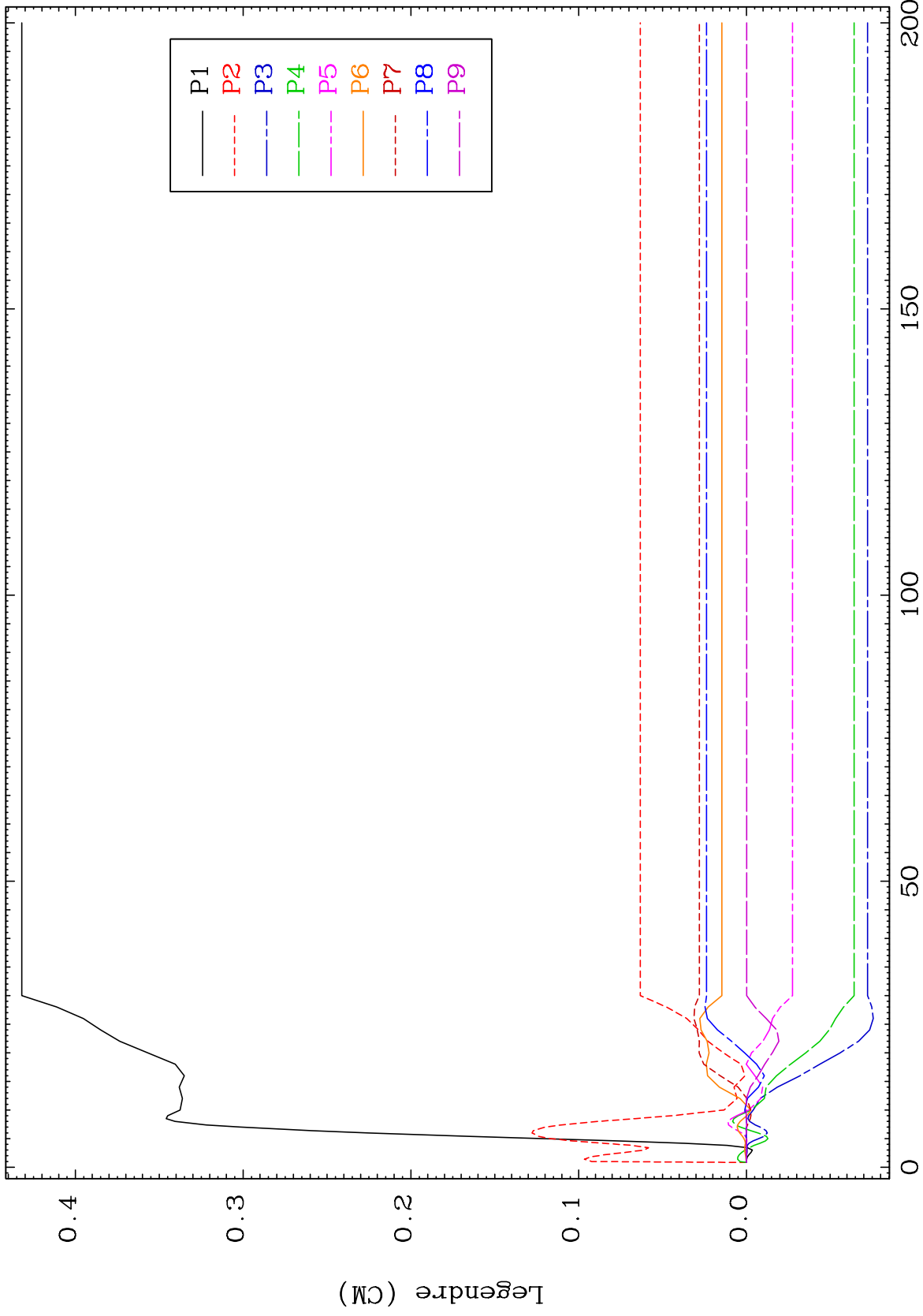
69

81-Tl-191

MAT 8089

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

81-Tl-191



81-Tl-191

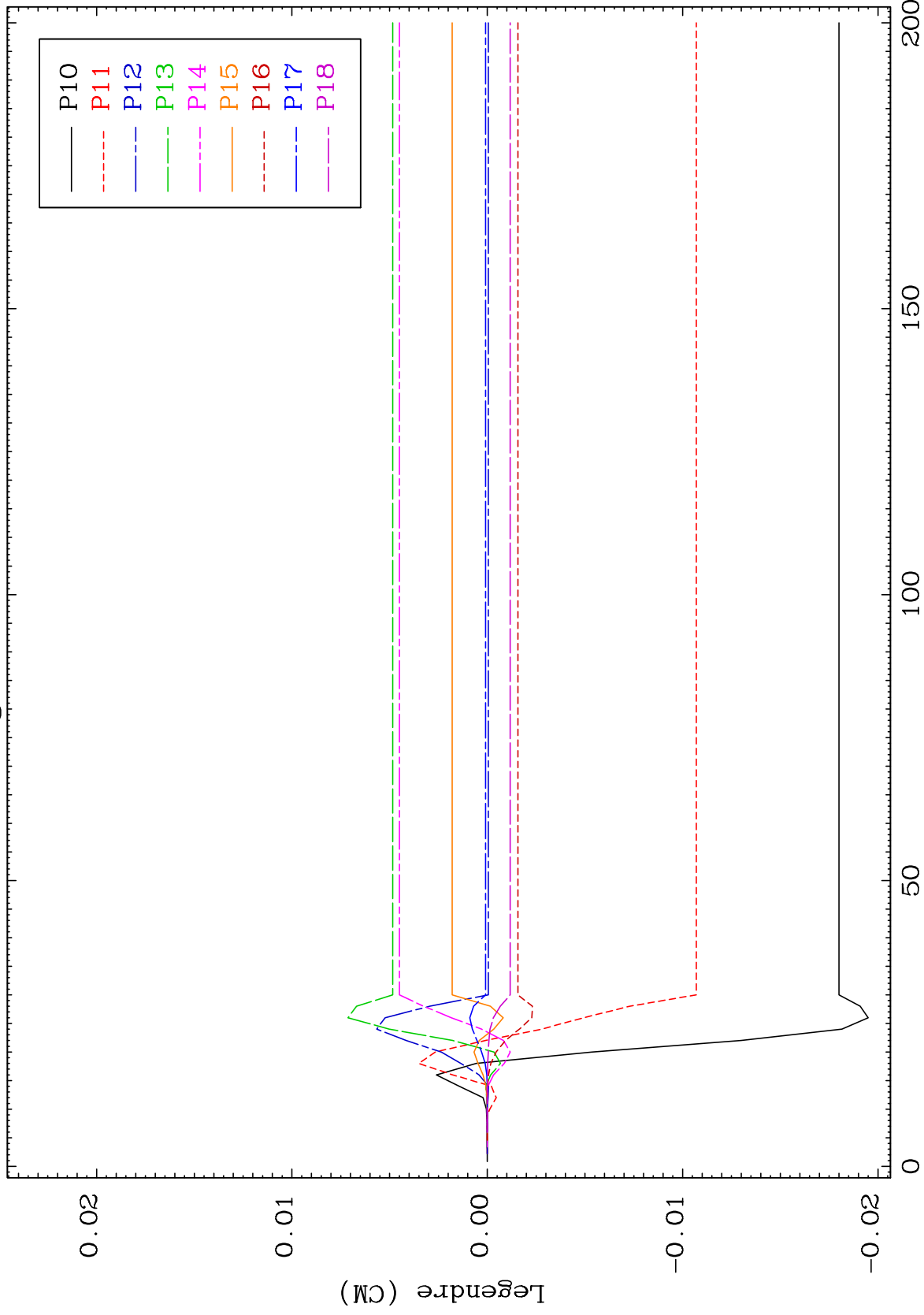
Incident Energy (MeV)

70

MAT 8089

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

81-Tl-191



71

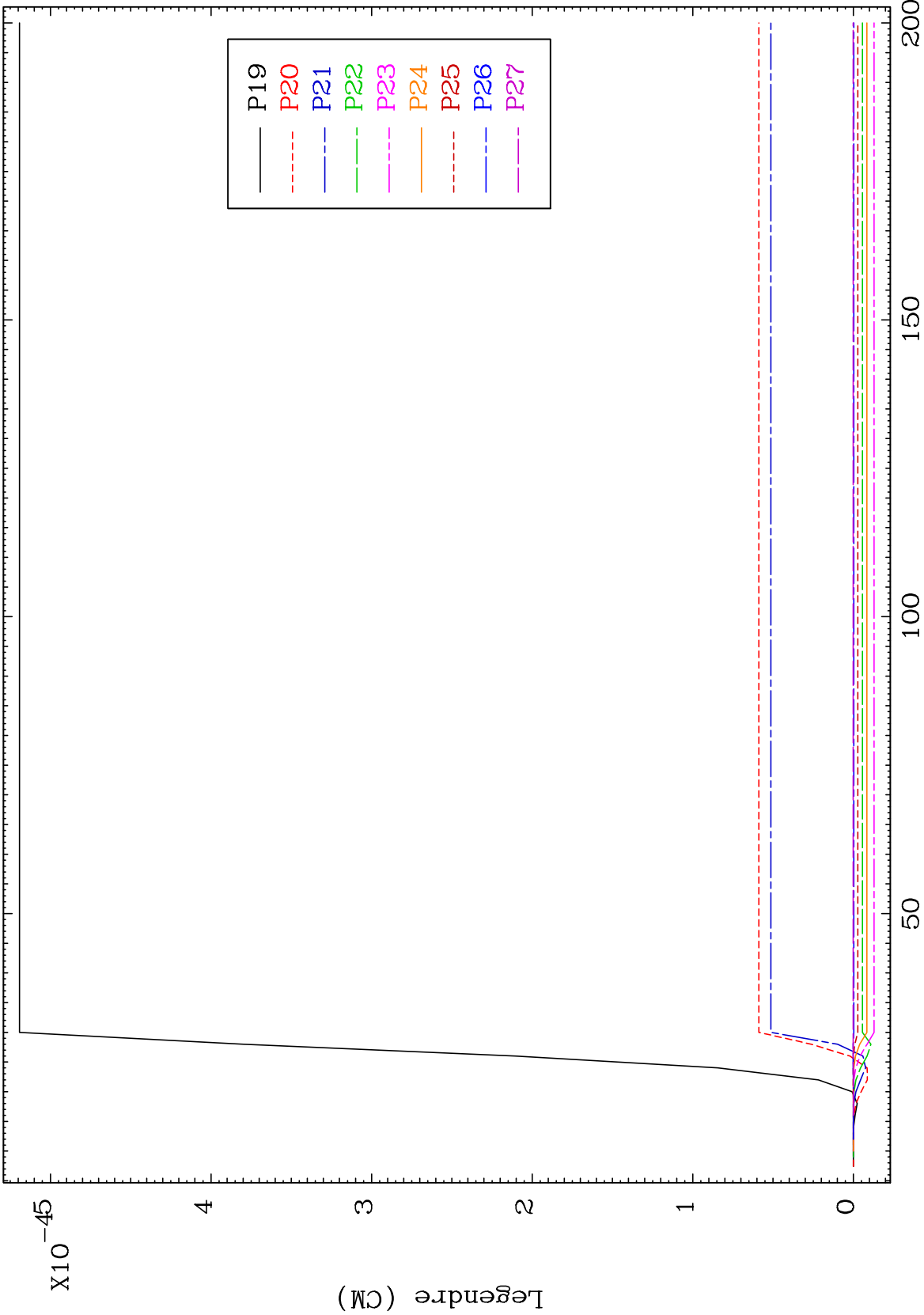
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



72

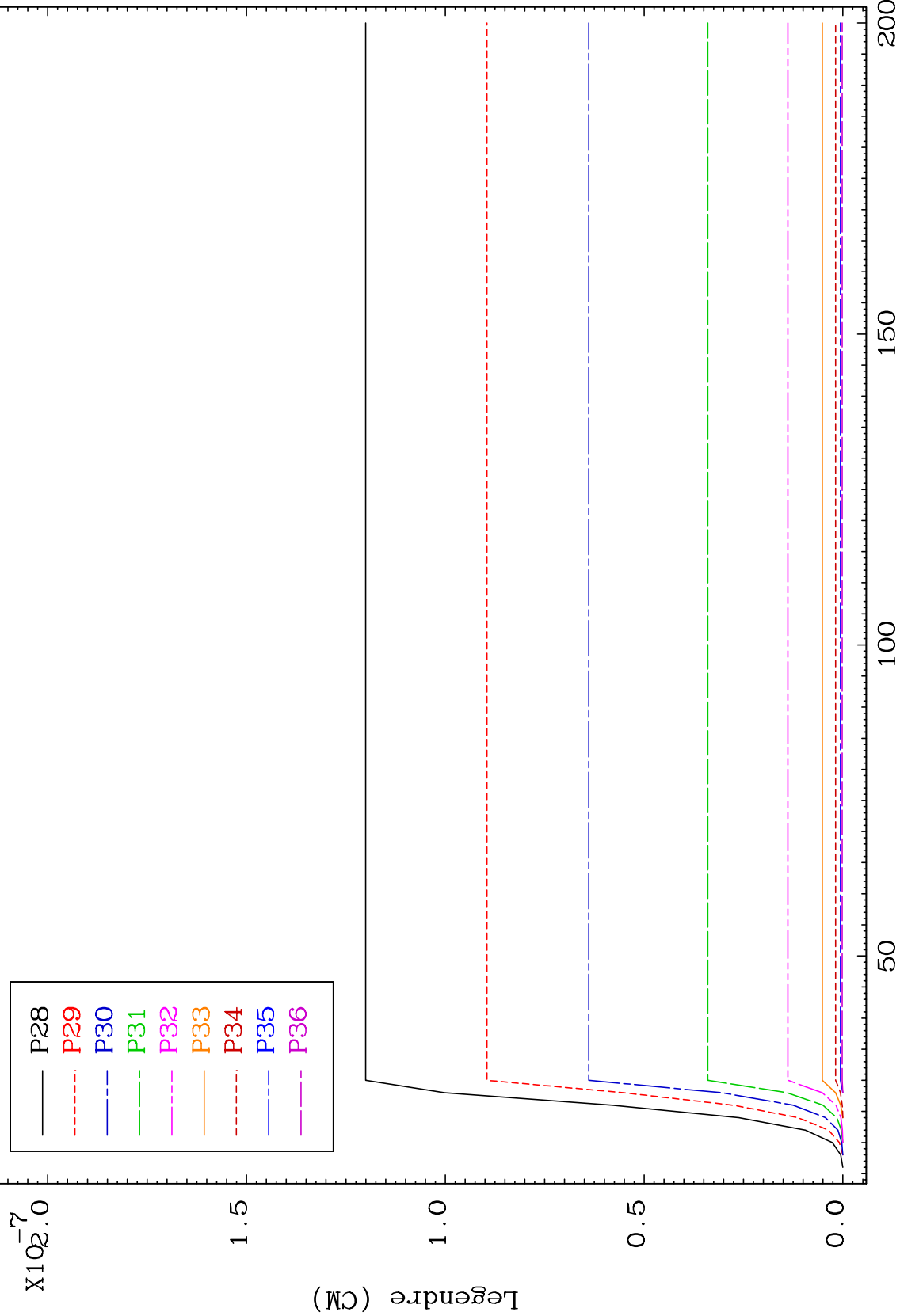
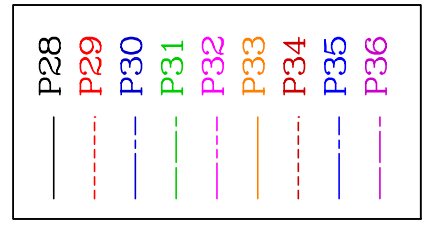
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



73

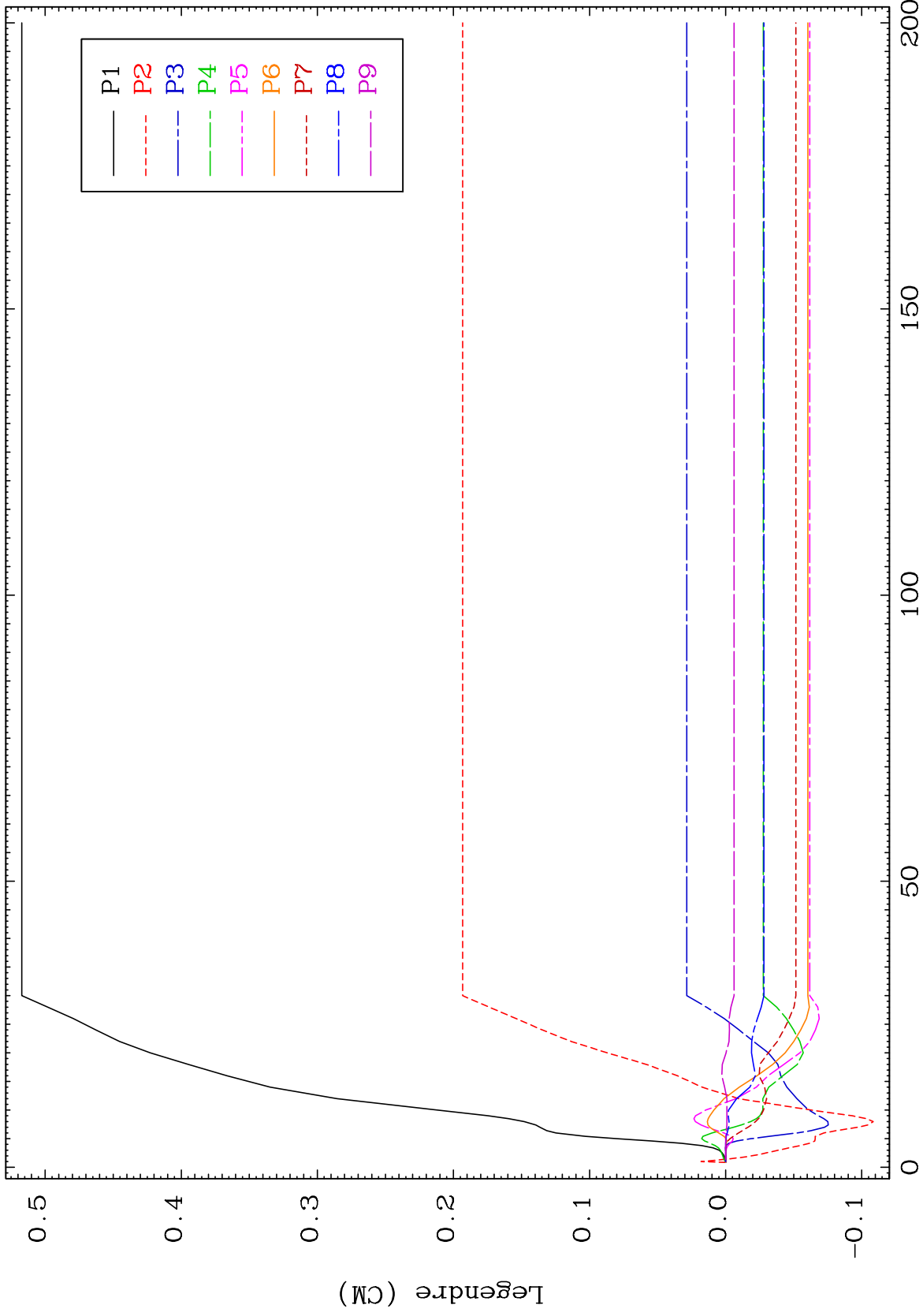
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



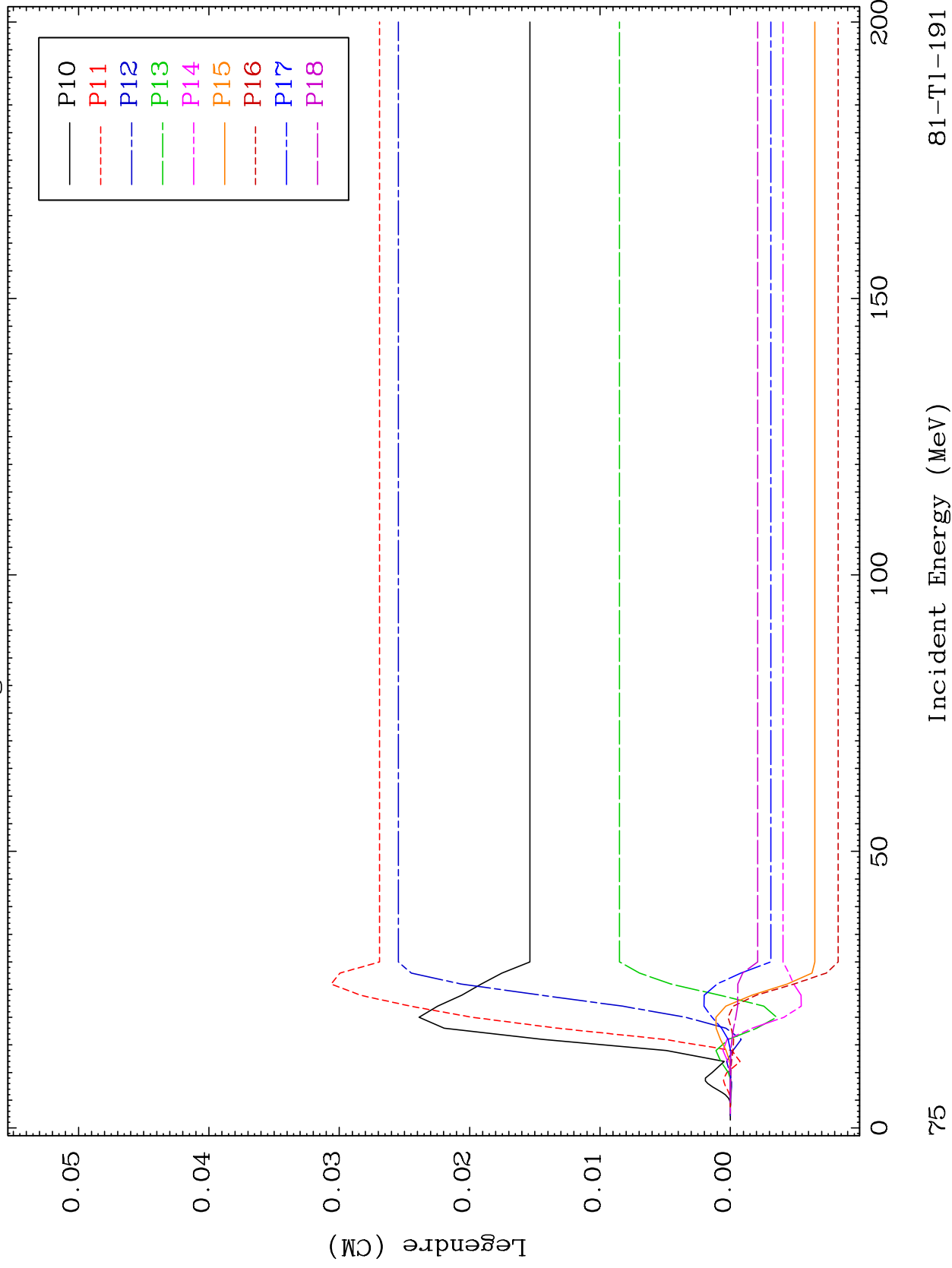
74

81-Tl-191

MAT 8089

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

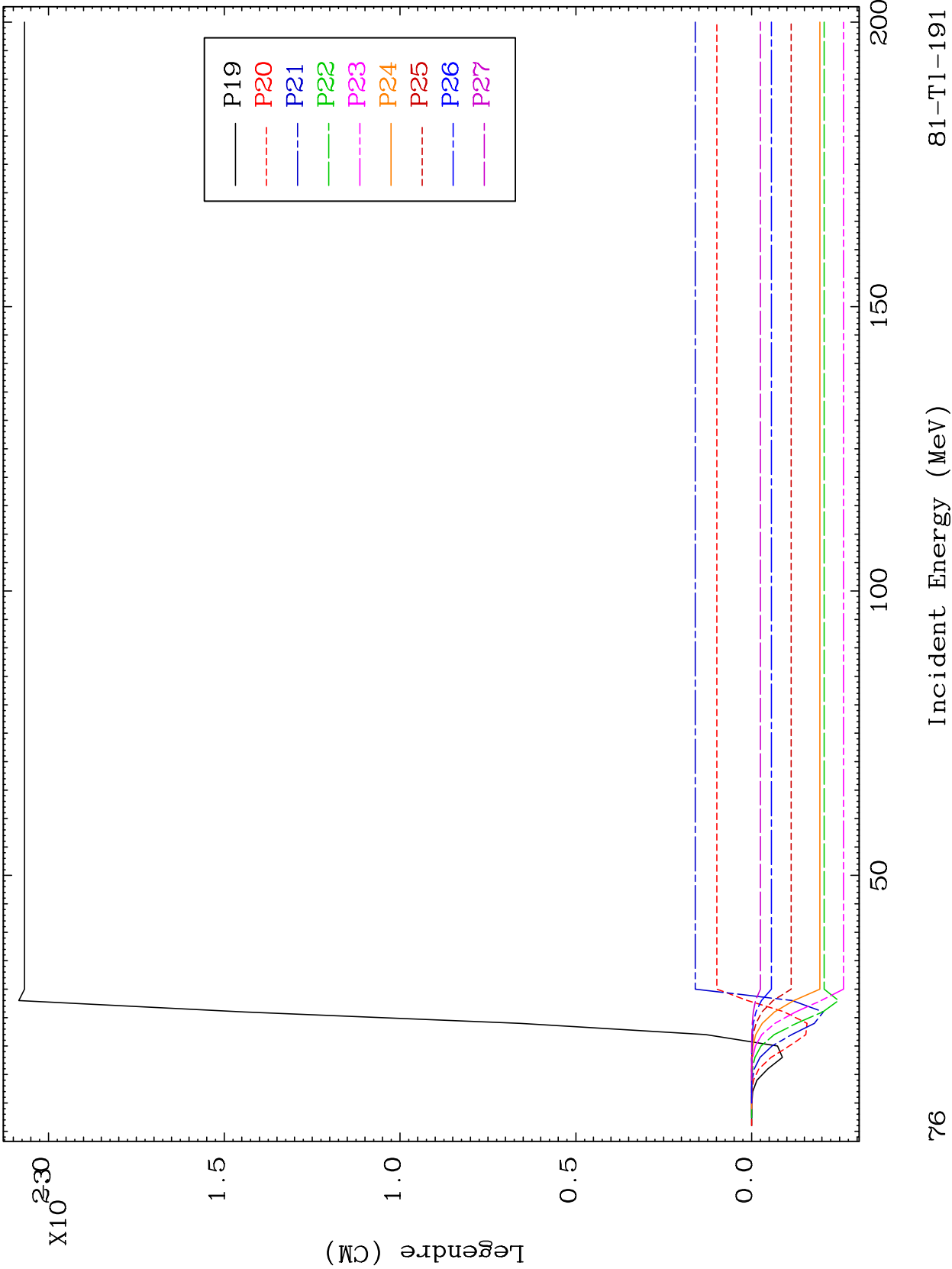
81-Tl-191



81-Tl-191

Incident Energy (MeV)

75

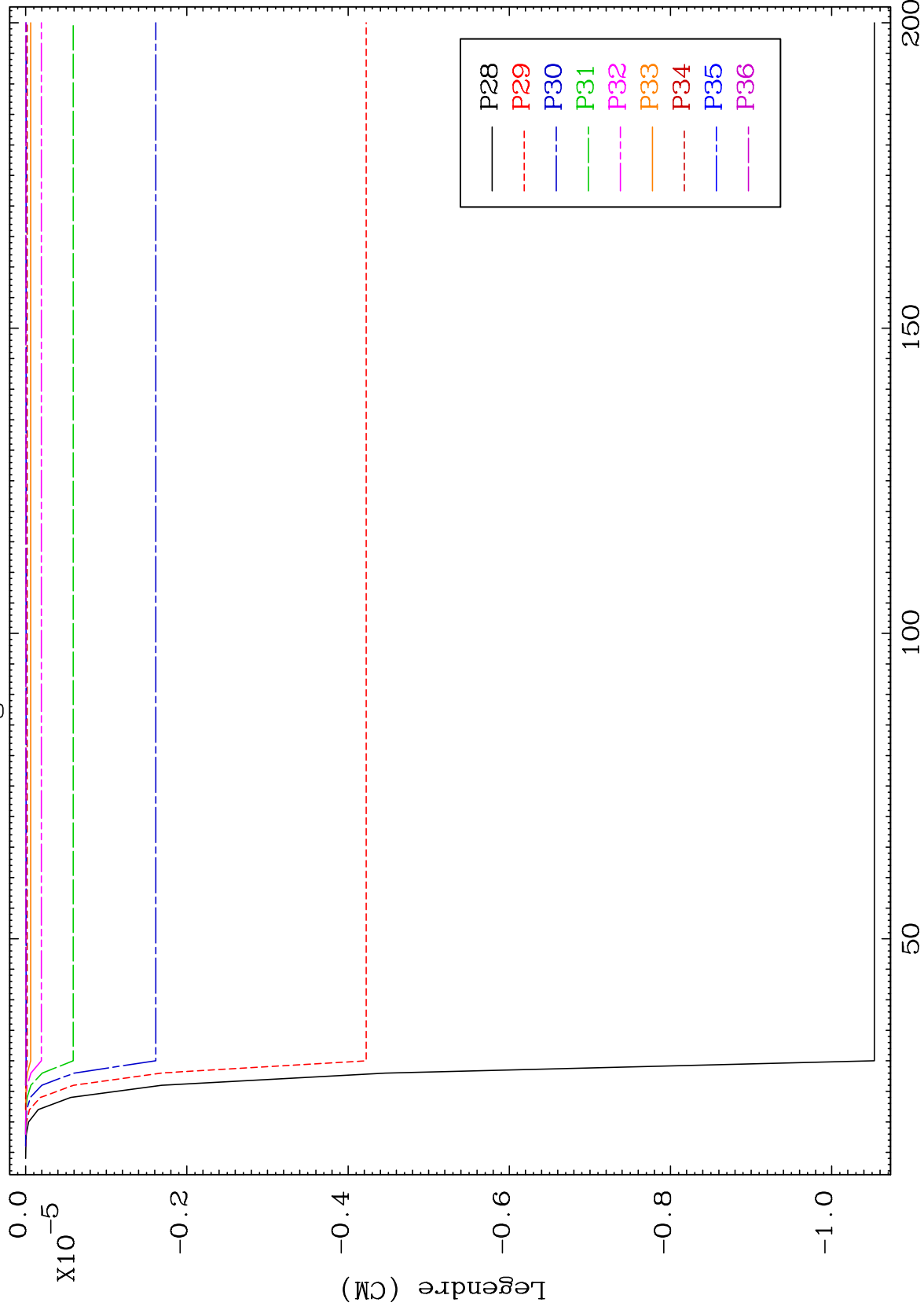


MAT 8089

MT= 64 (n,n') Level

81-Tl-191

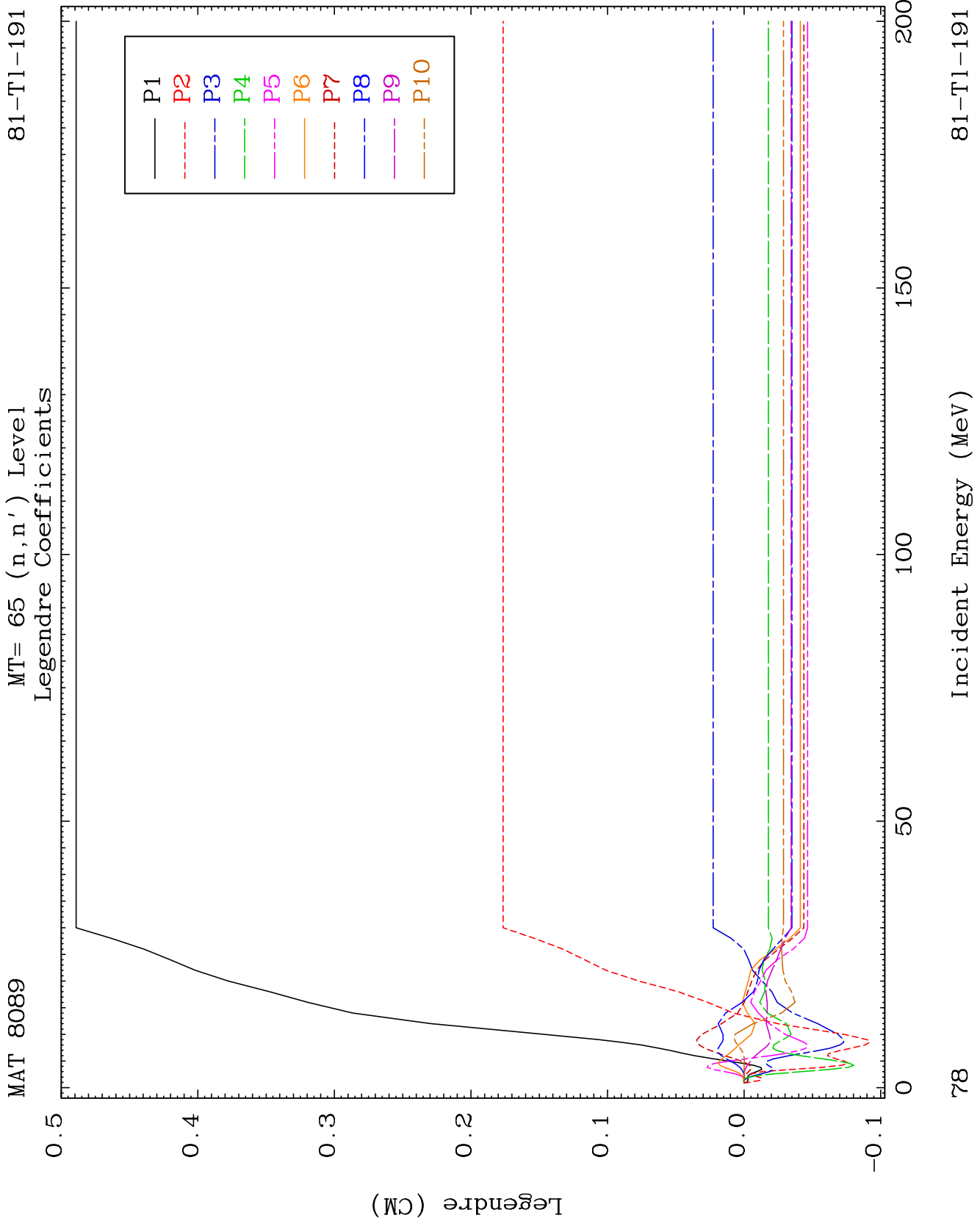
Legendre Coefficients



77

Incident Energy (MeV)

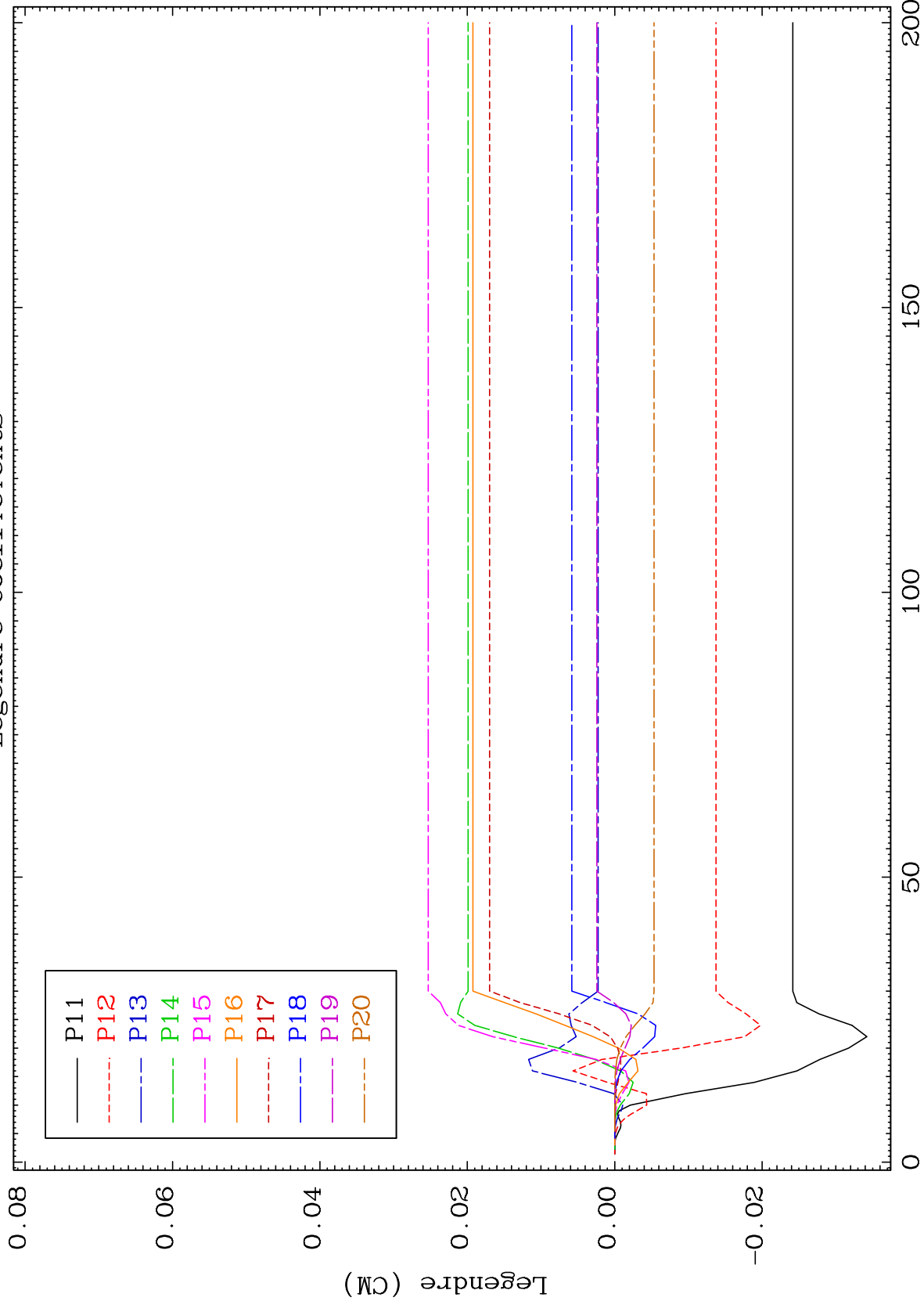
81-Tl-191



MAT 8089

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

81-Tl-191



79

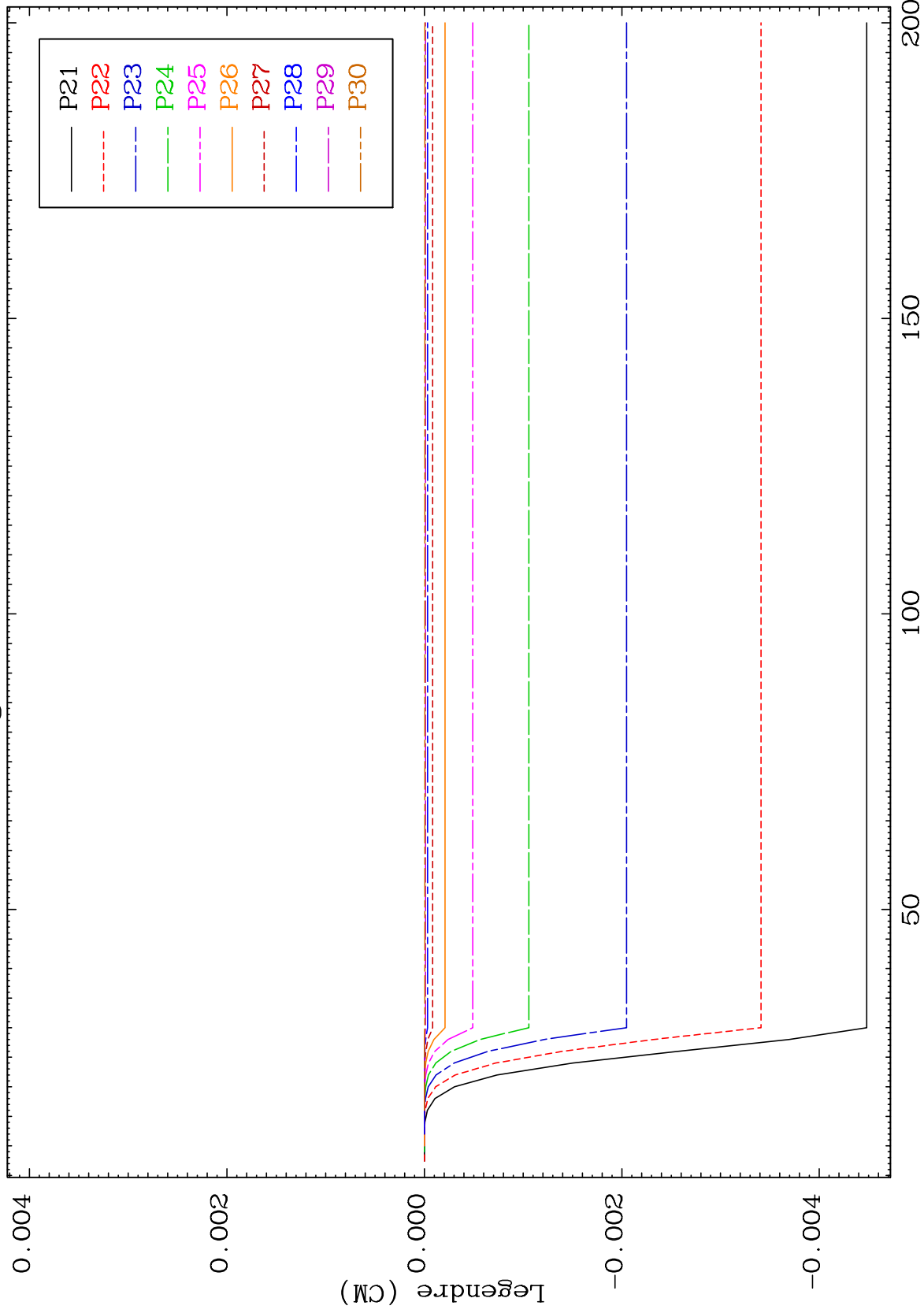
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

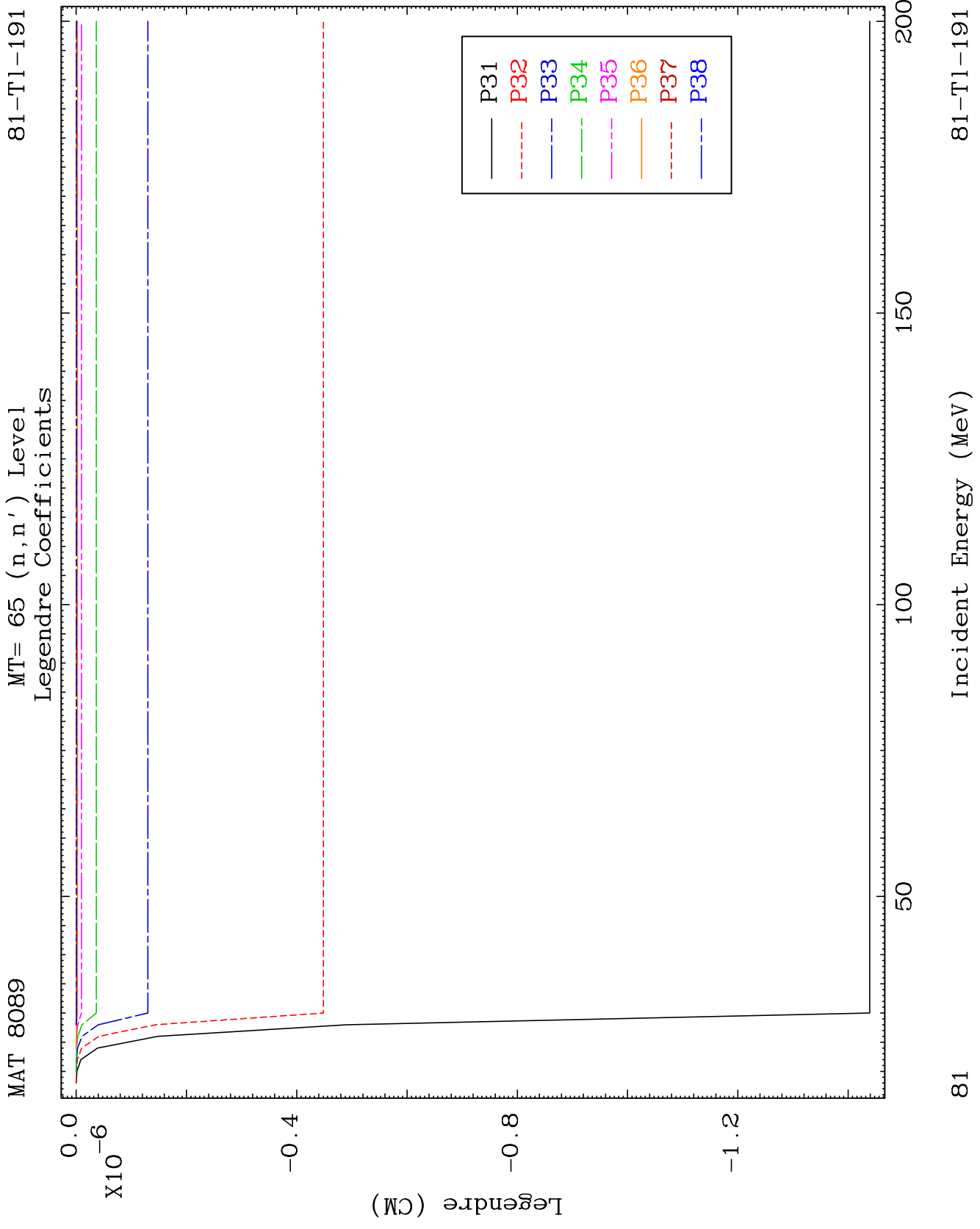
81-T1-191



80

Incident Energy (MeV)

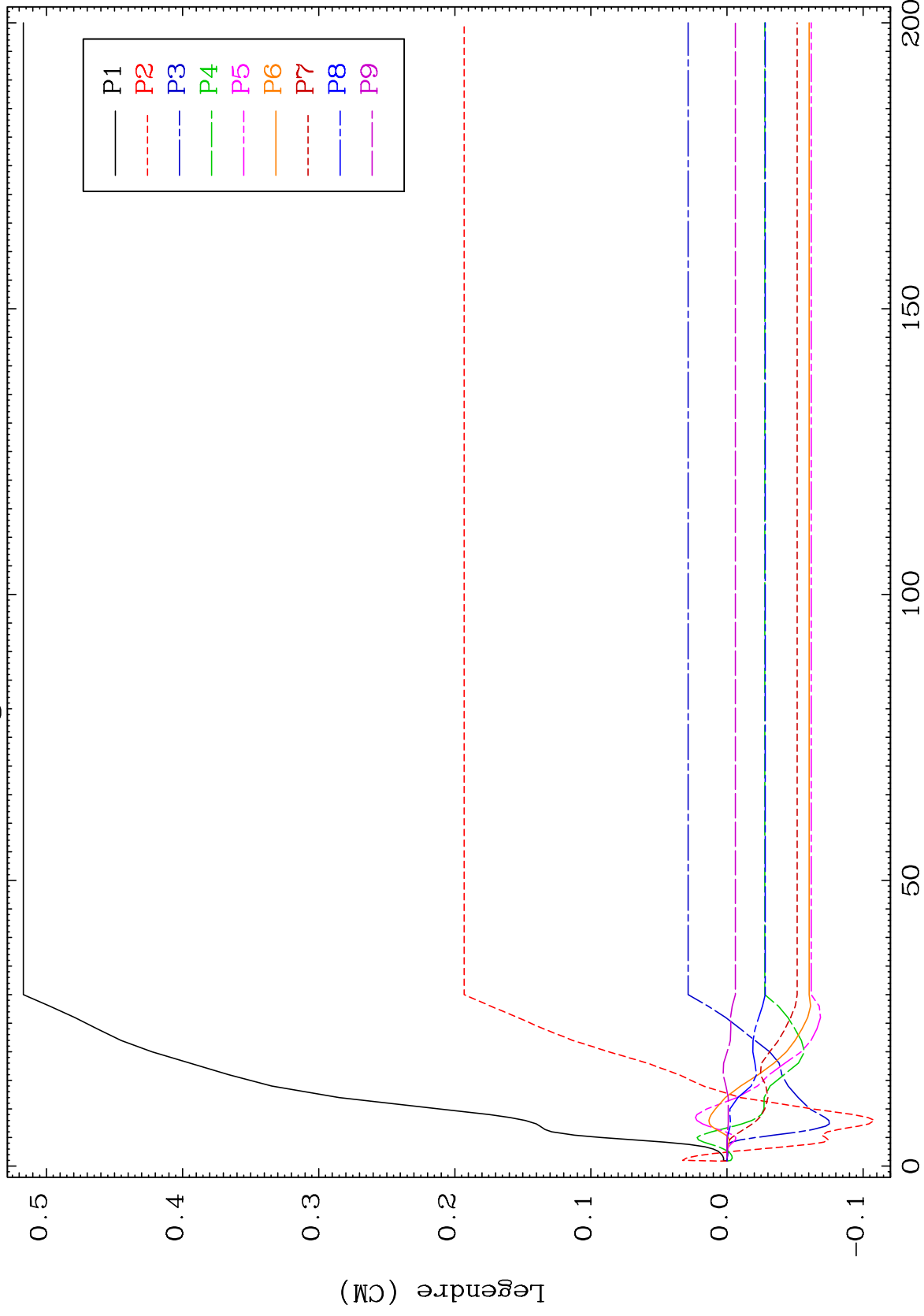
81-T1-191



MAT 8089

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

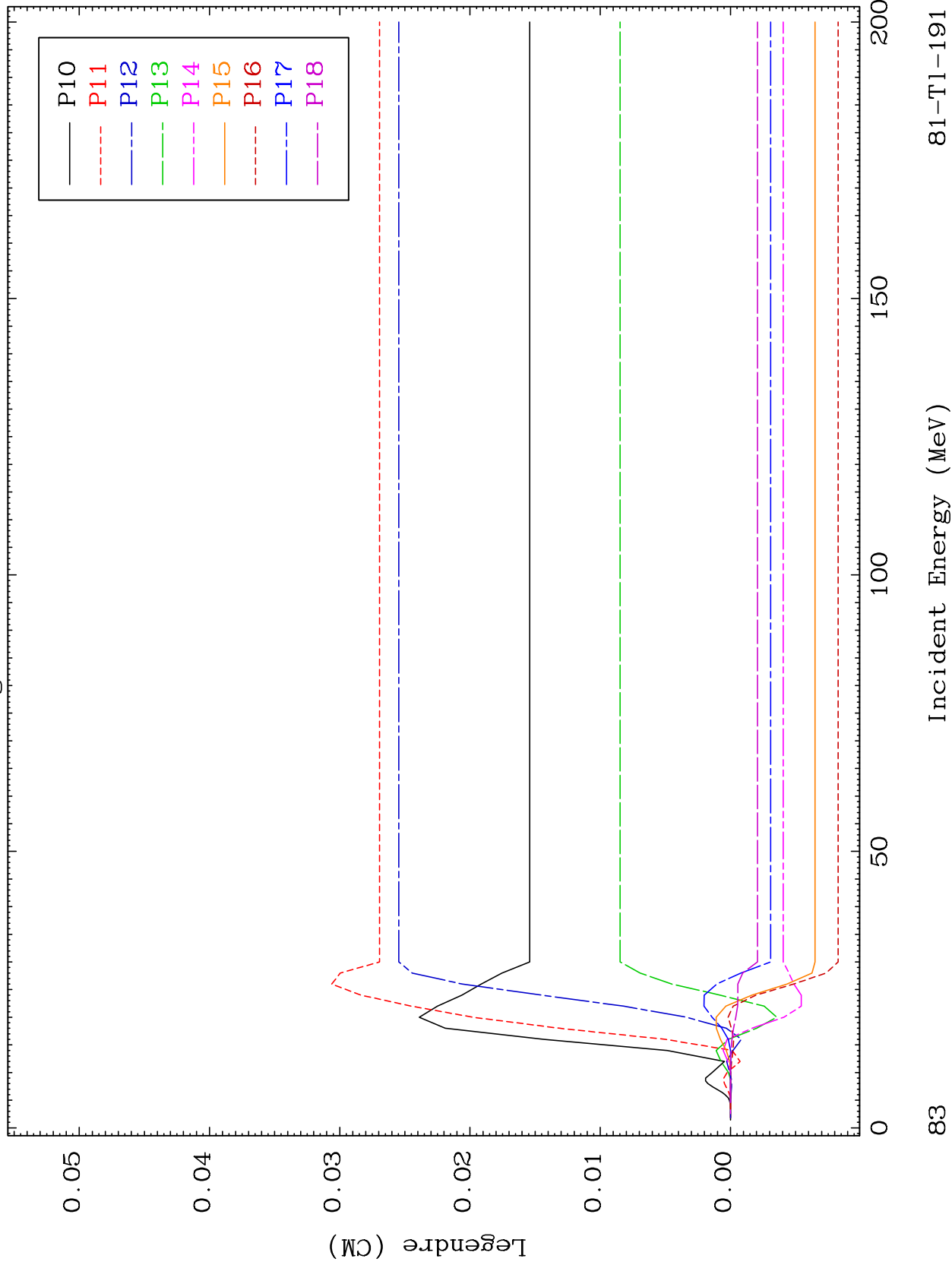
81-Tl-191



MAT 8089

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

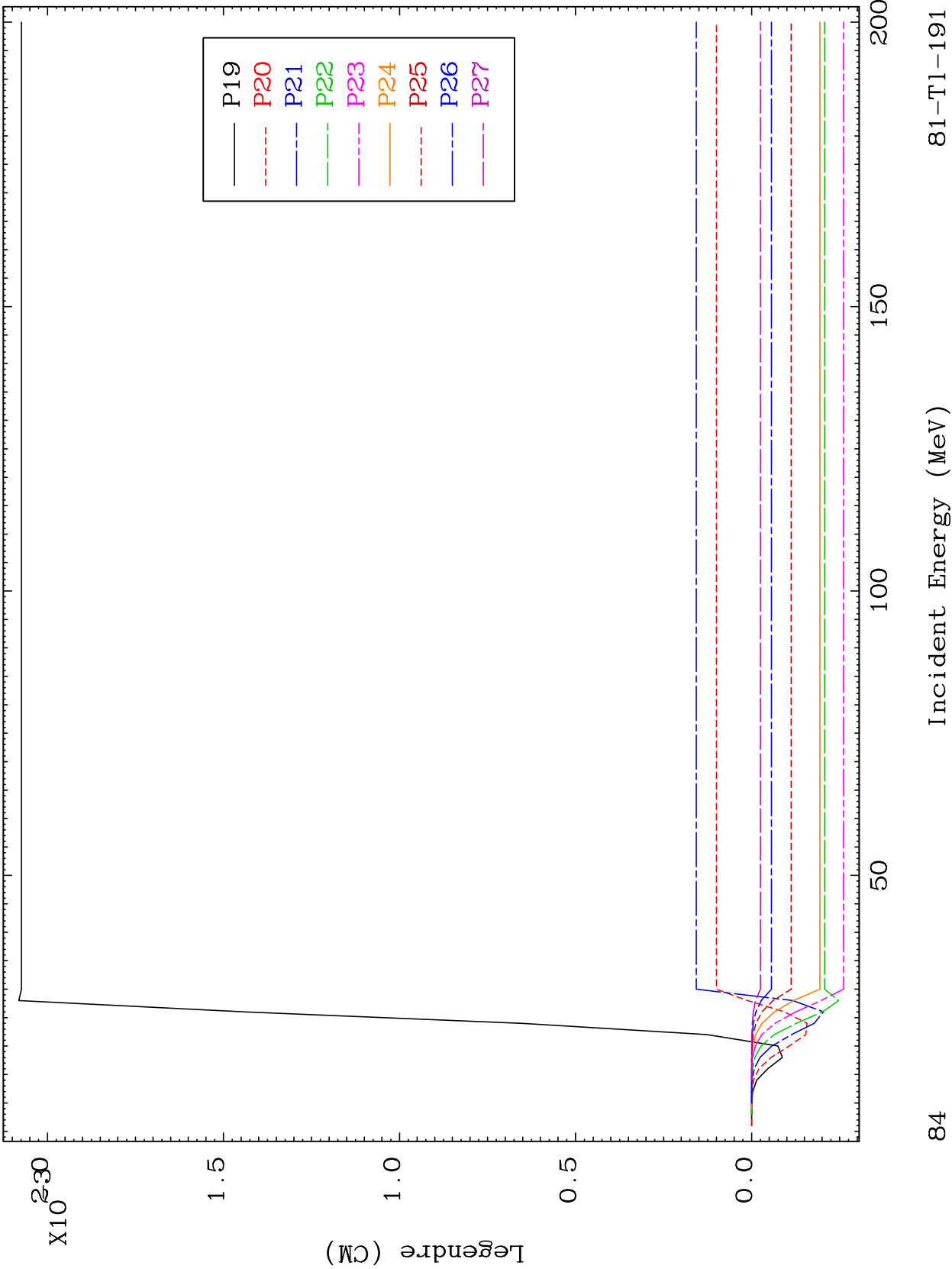
81-Tl-191

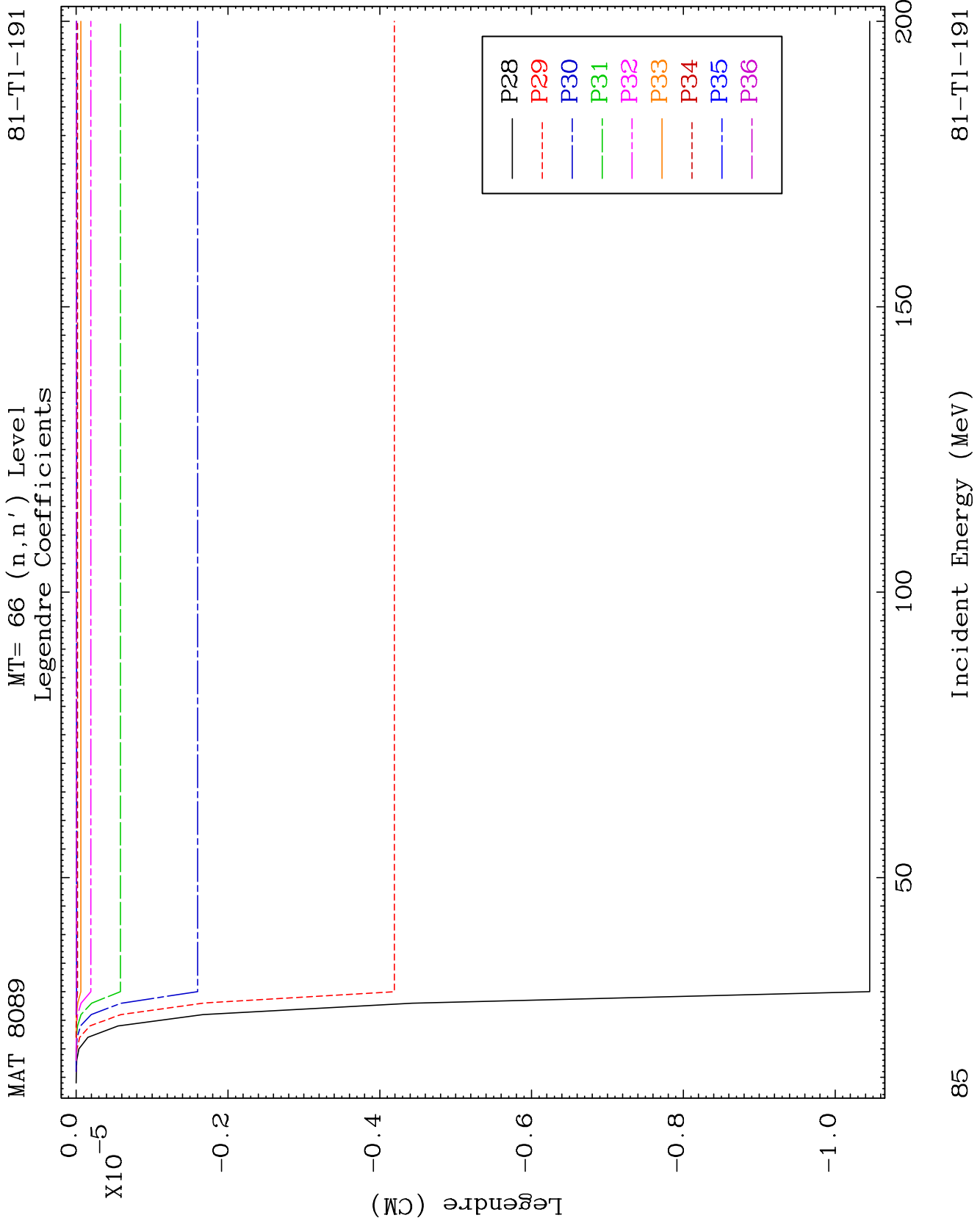


83

Incident Energy (MeV)

81-Tl-191

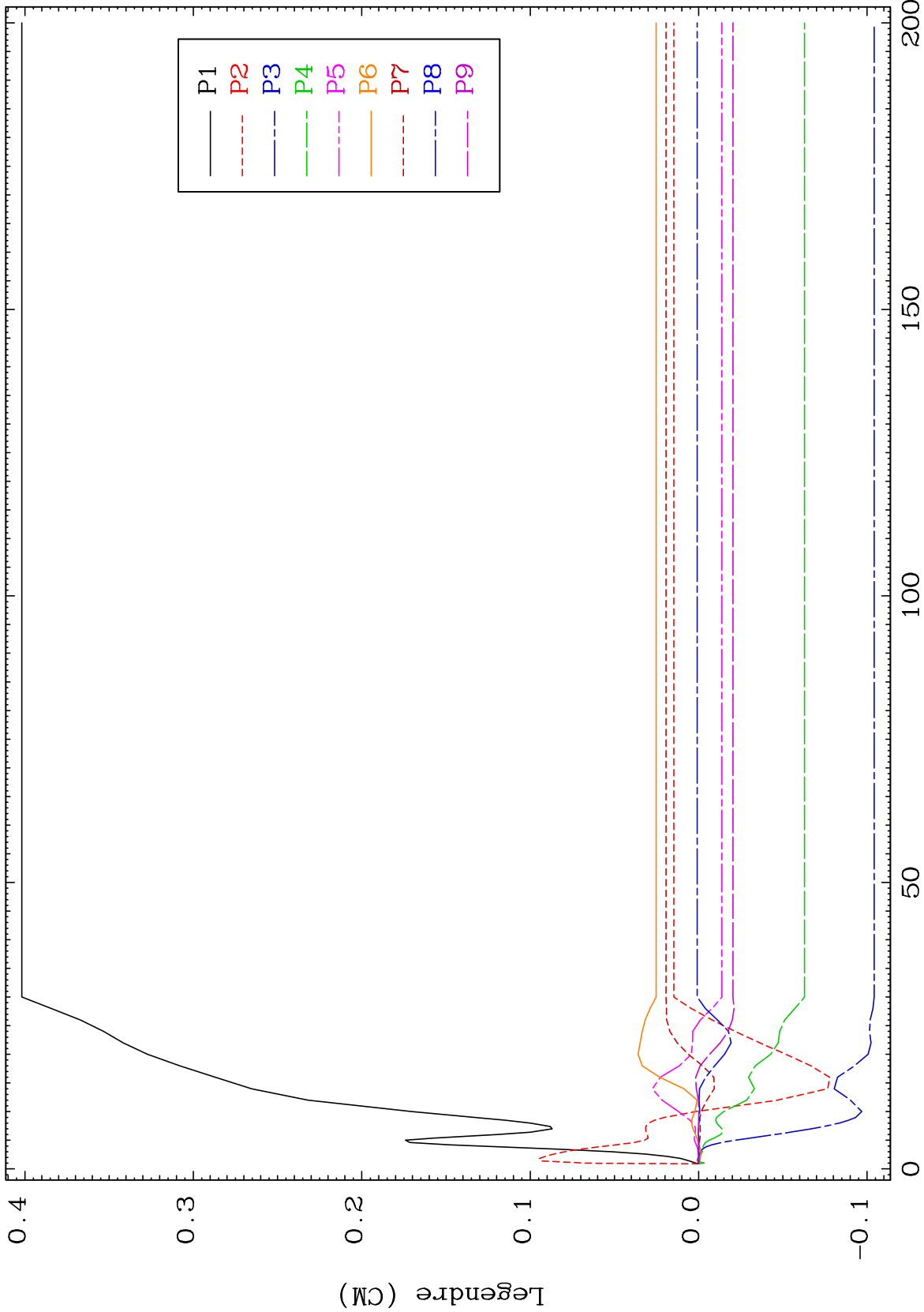




MAT 8089

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

81-Tl-191



86

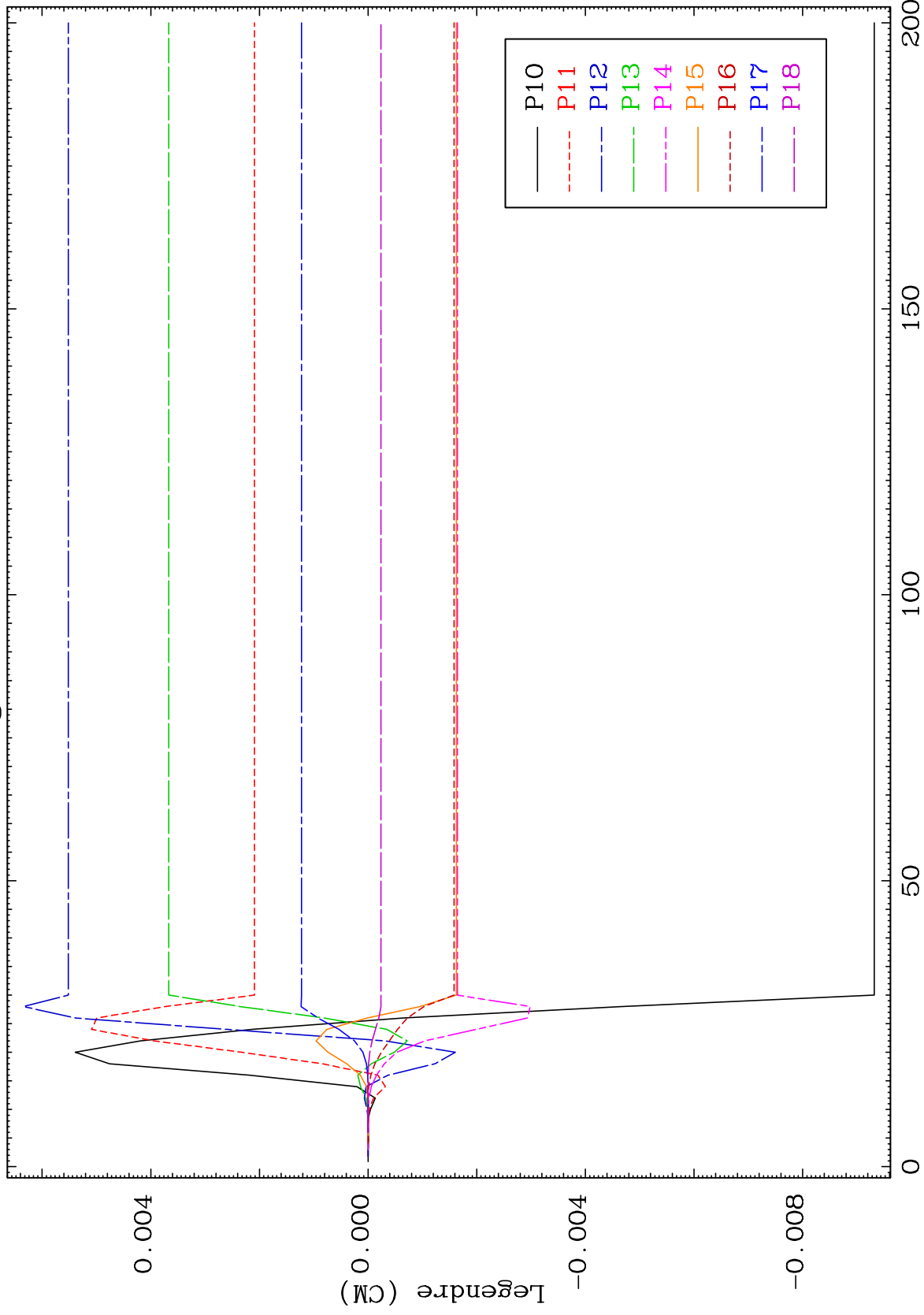
81-Tl-191

81-Tl-191

MAT 8089

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

81-Tl-191



87

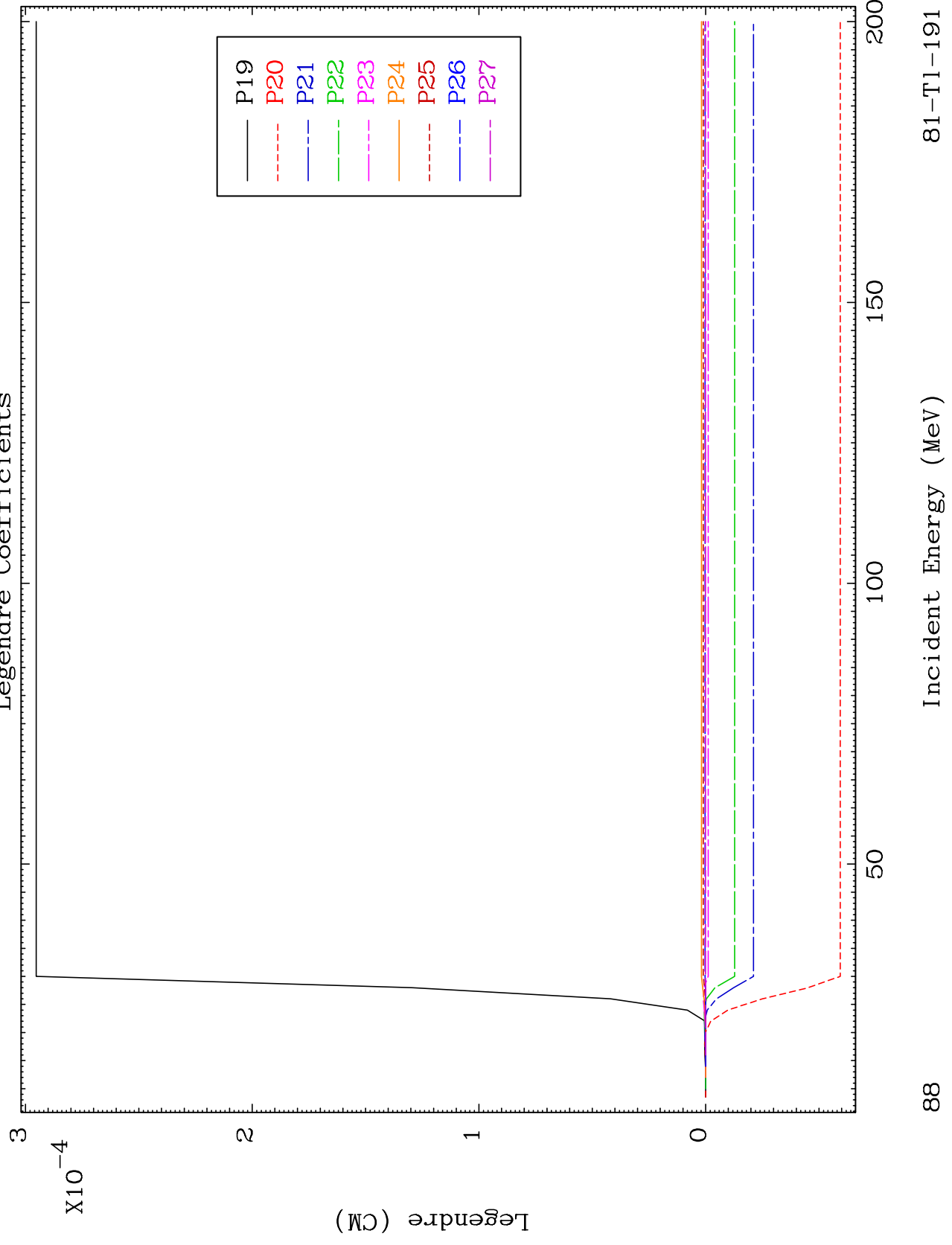
Incident Energy (MeV)

81-Tl-191

MAT 8089

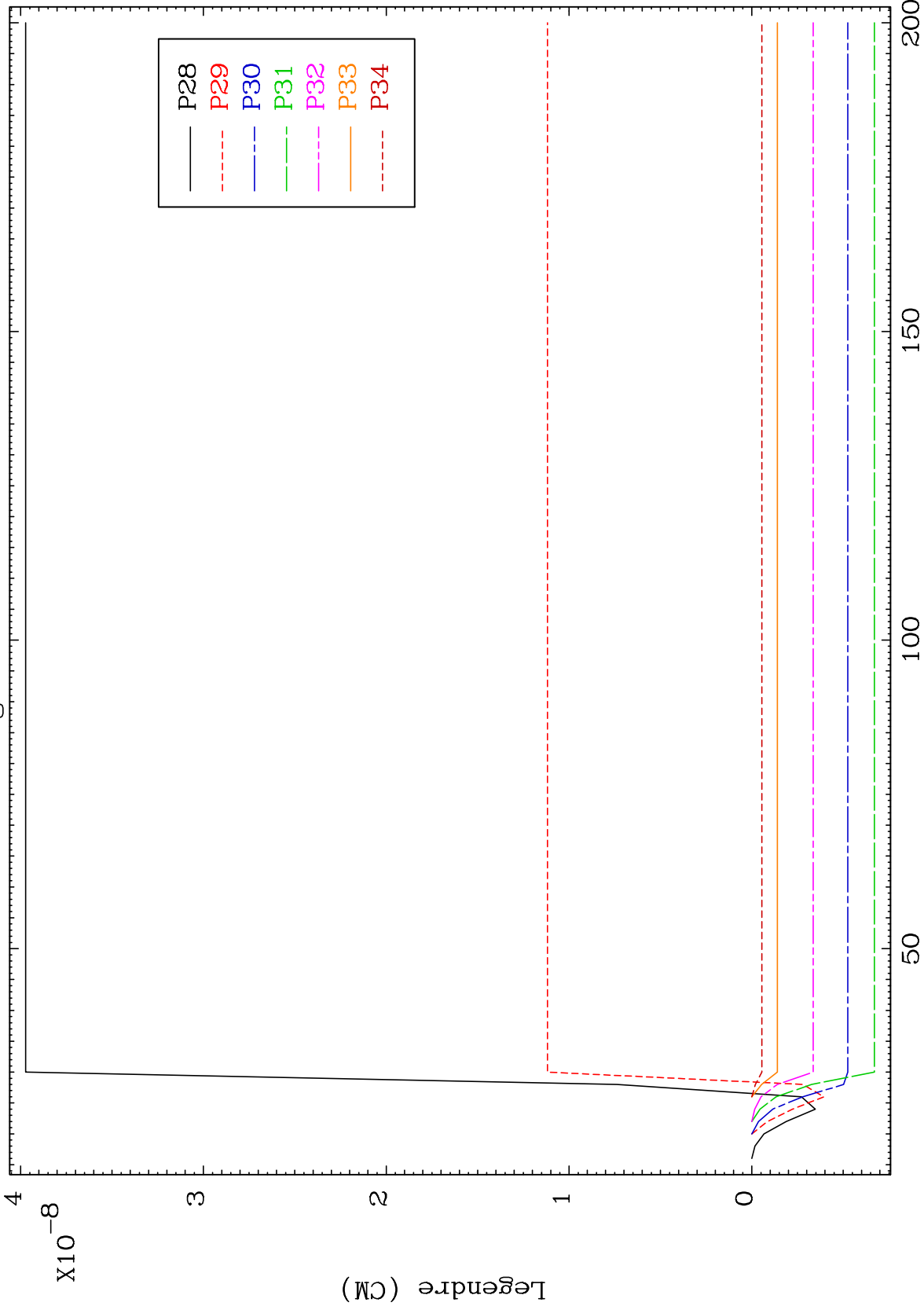
MT= 67 (n,n') Level  
Legendre Coefficients

81-Tl-191



88

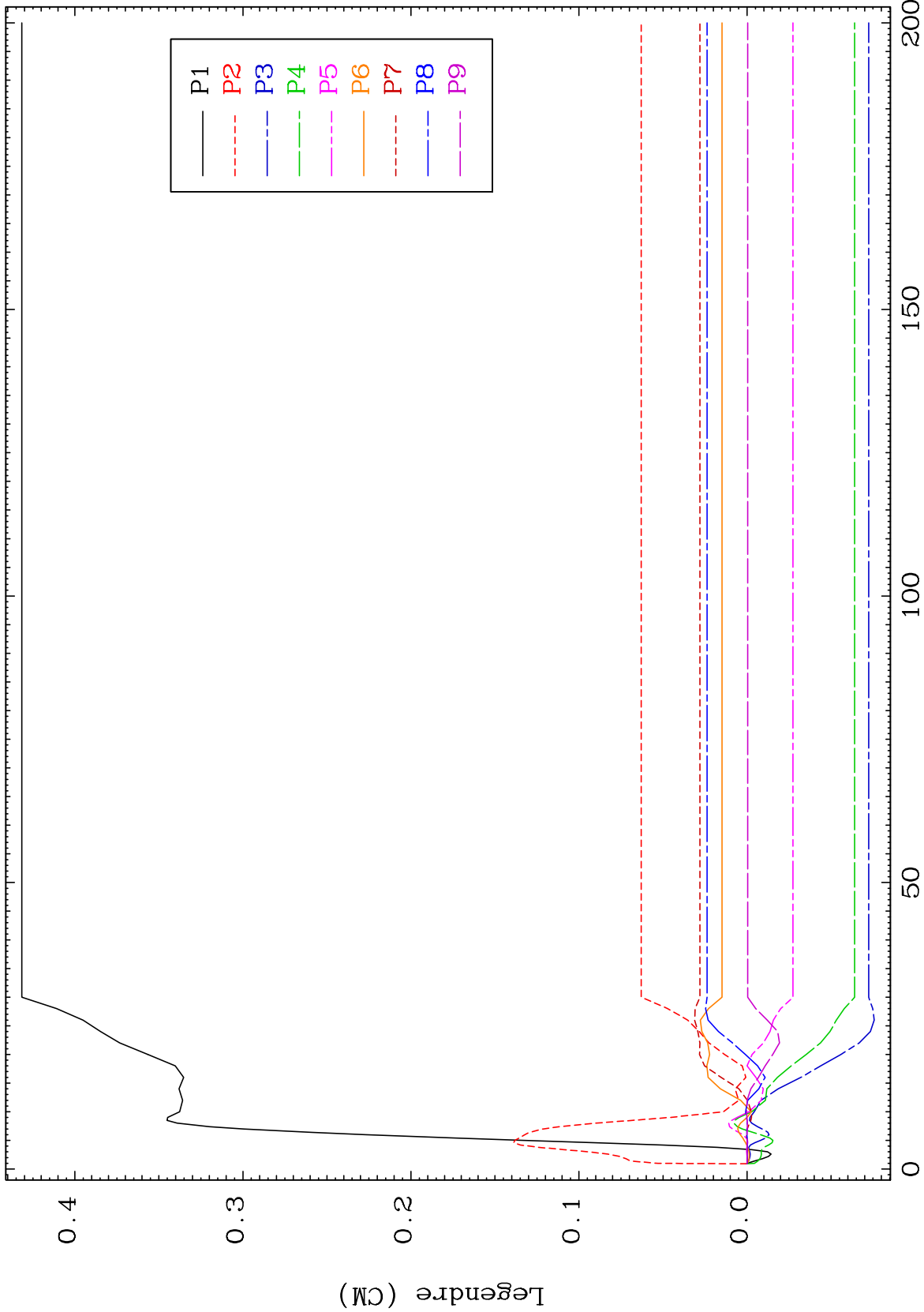
81-Tl-191



MAT 8089

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

81-Tl-191



90

Incident Energy (MeV)

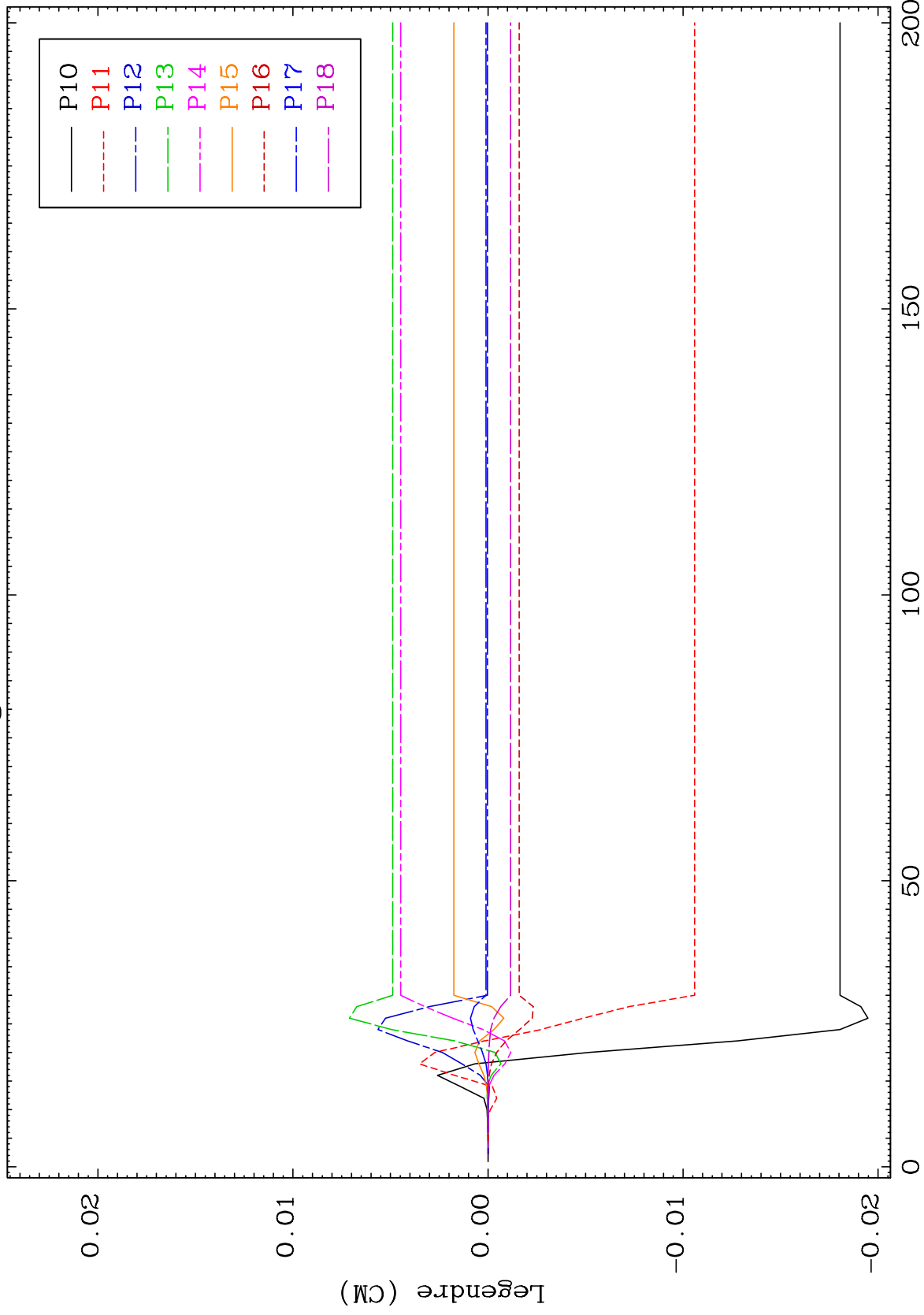
81-Tl-191

200

MAT 8089

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

81-Tl-191



91

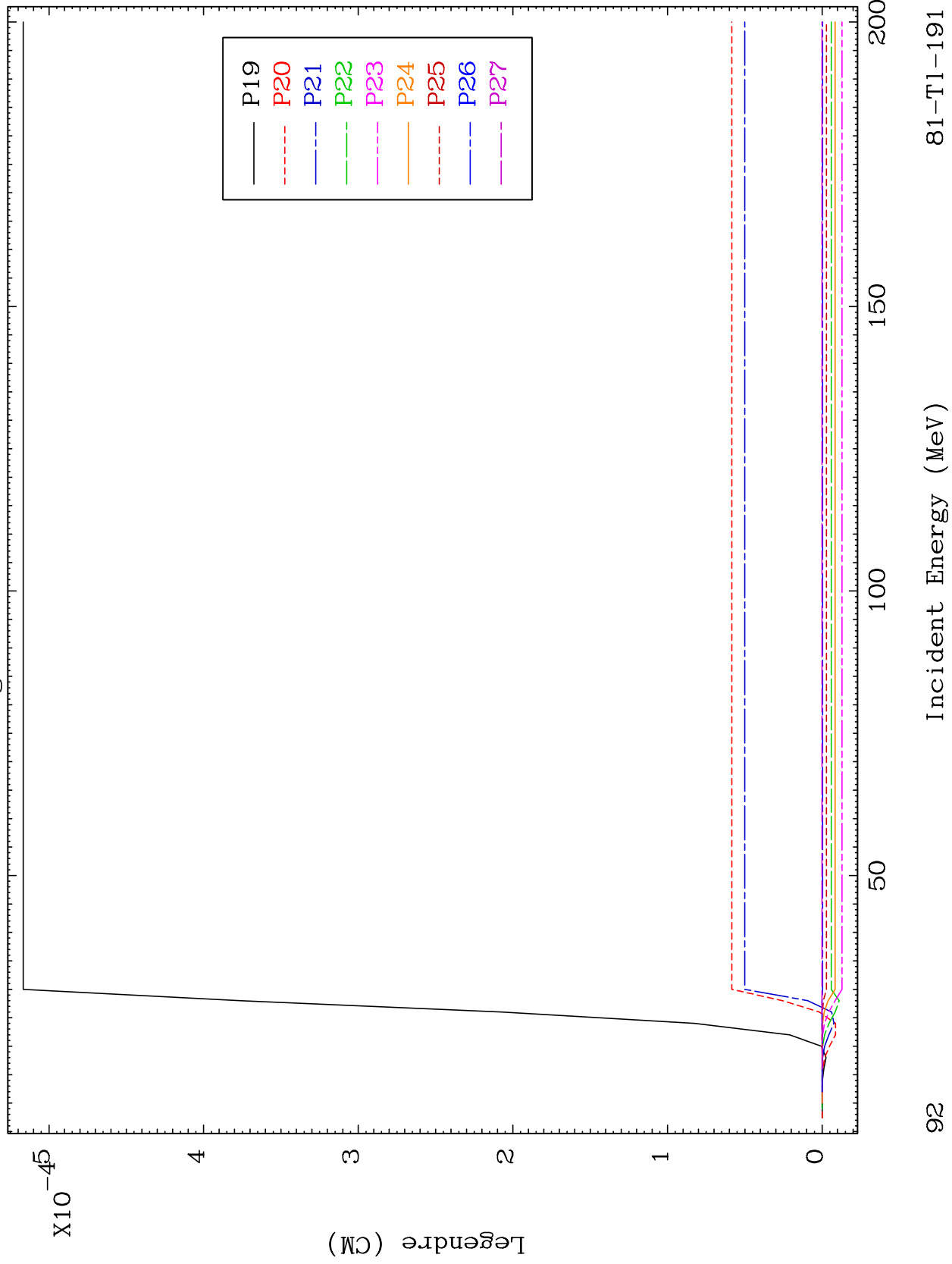
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

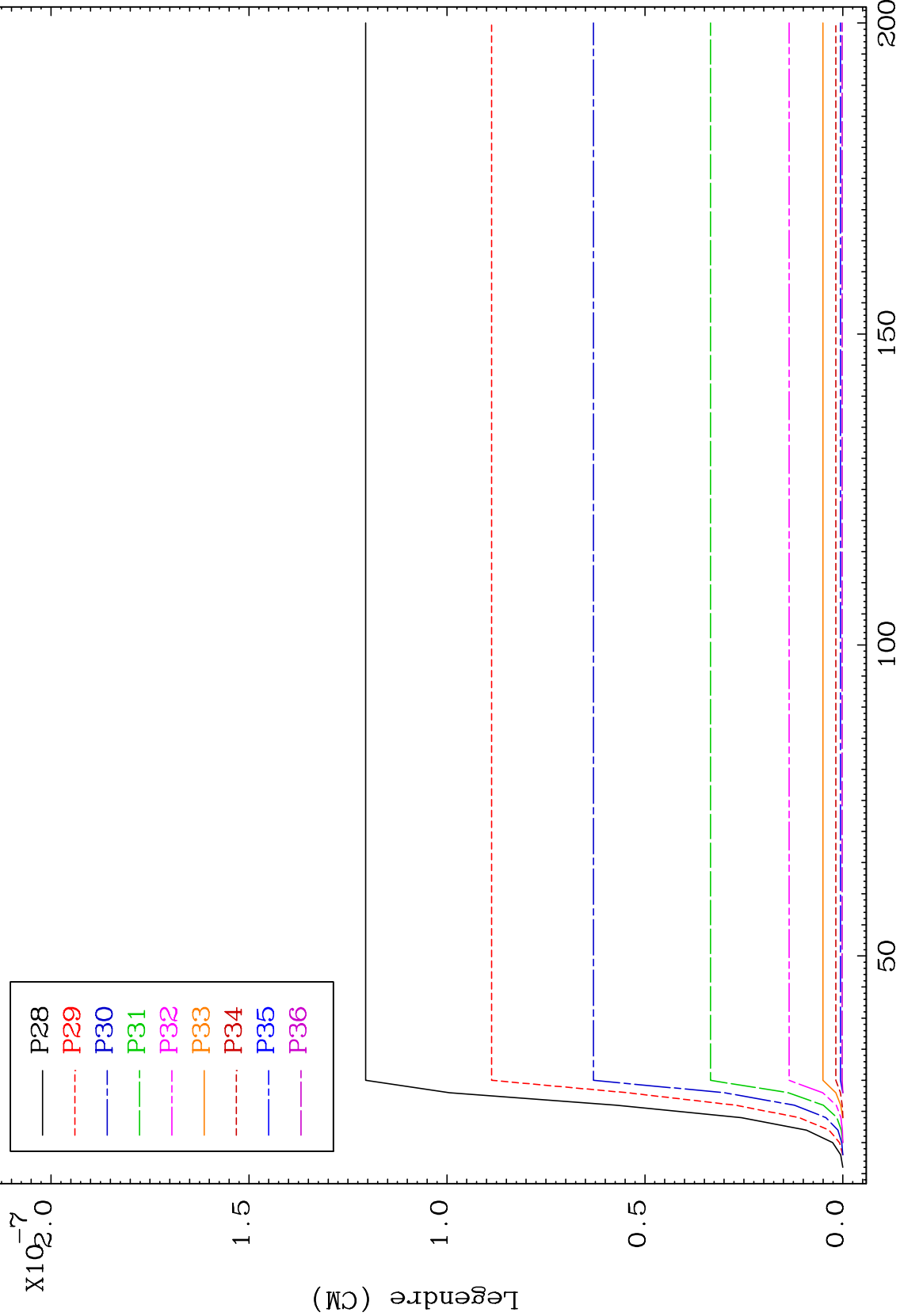
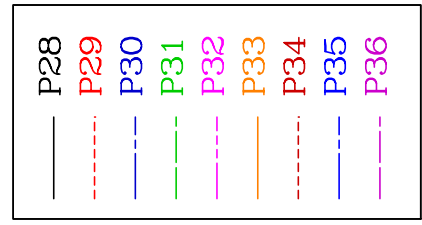
81-Tl-191



MAT 8089

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

81-Tl-191



93

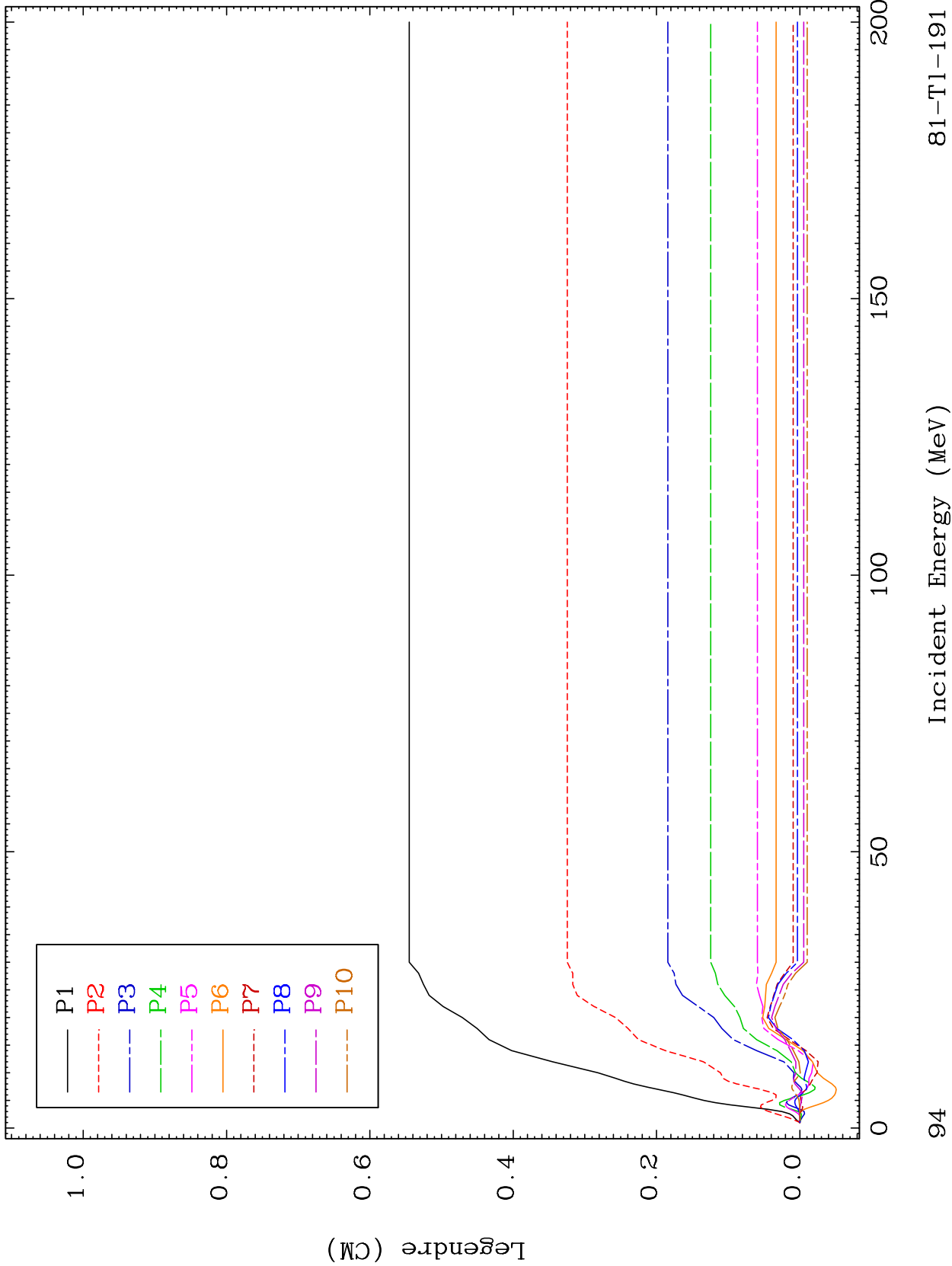
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



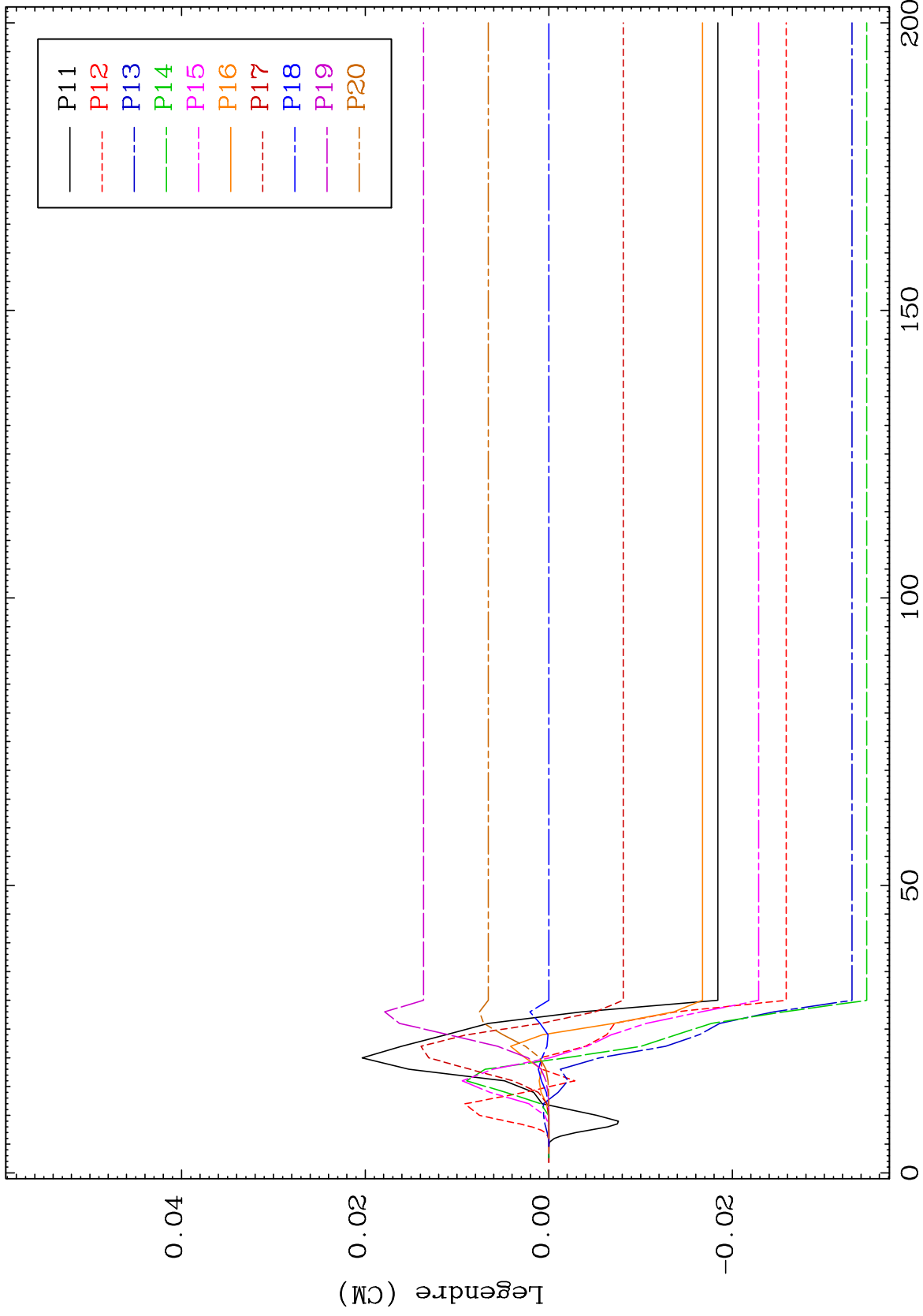
94

81-Tl-191

MAT 8089

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

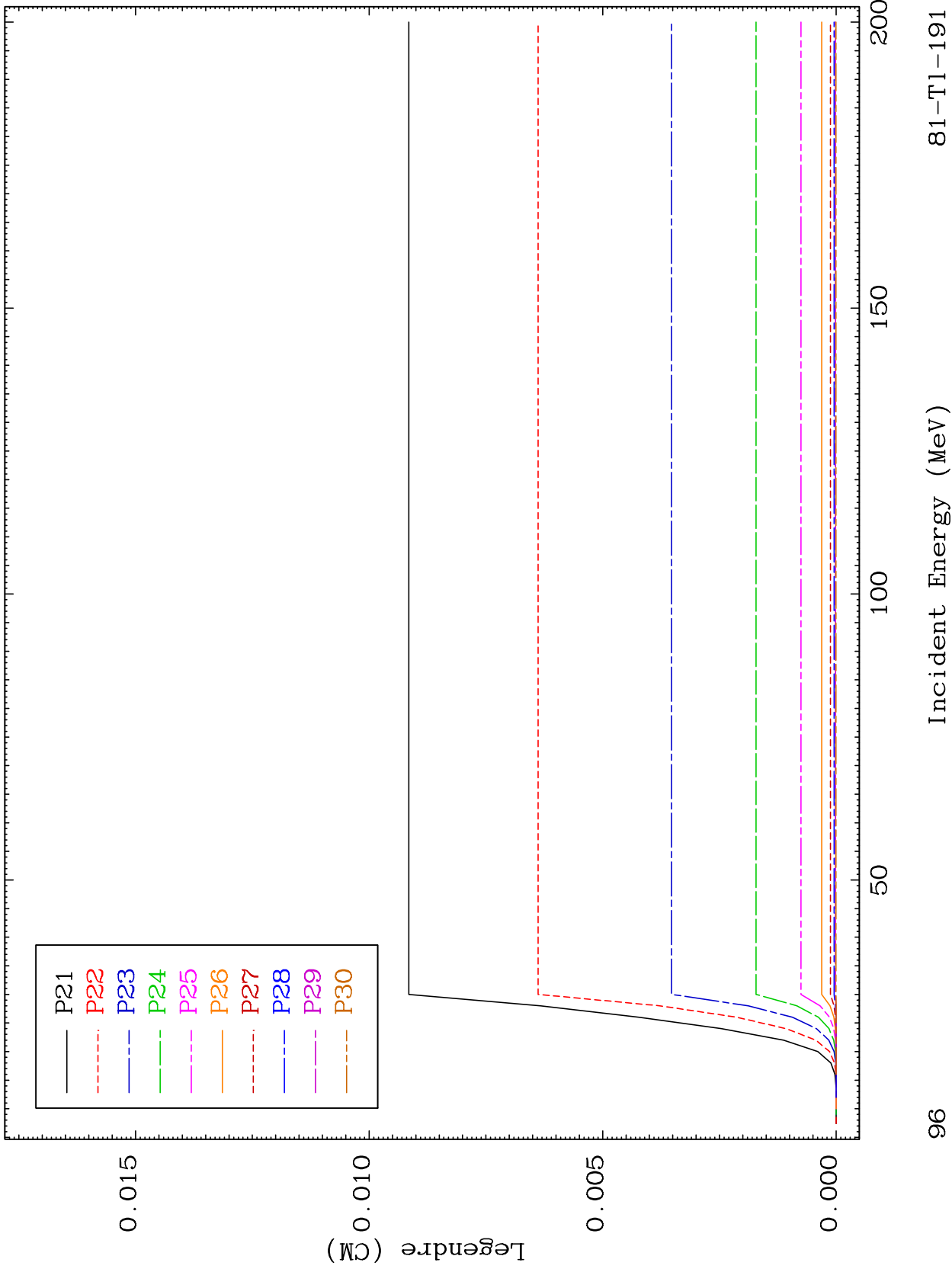
81-Tl-191



95

Incident Energy (MeV)

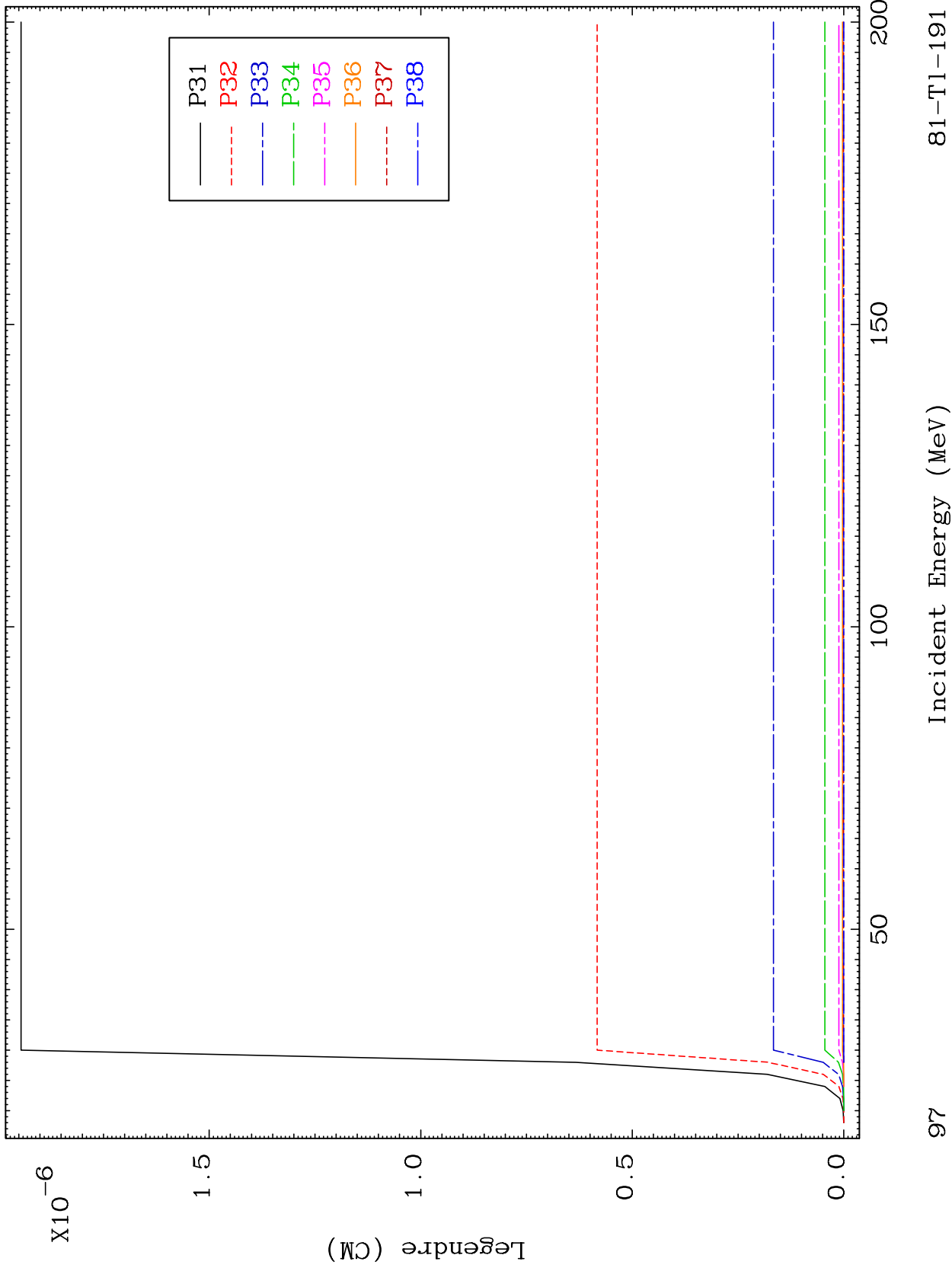
81-Tl-191



MAT 8089

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

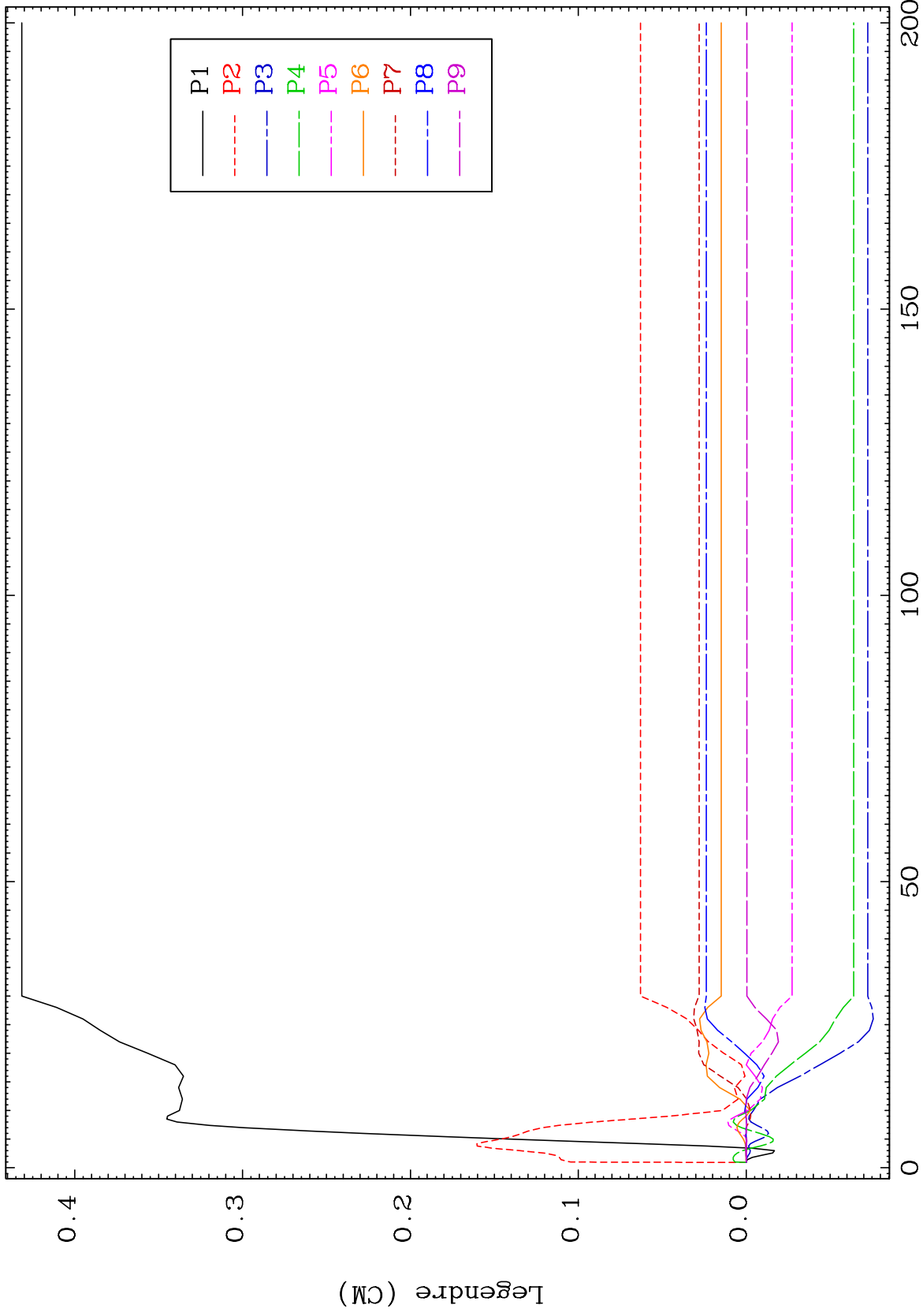
81-Tl-191



MAT 8089

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

81-Tl-191



98

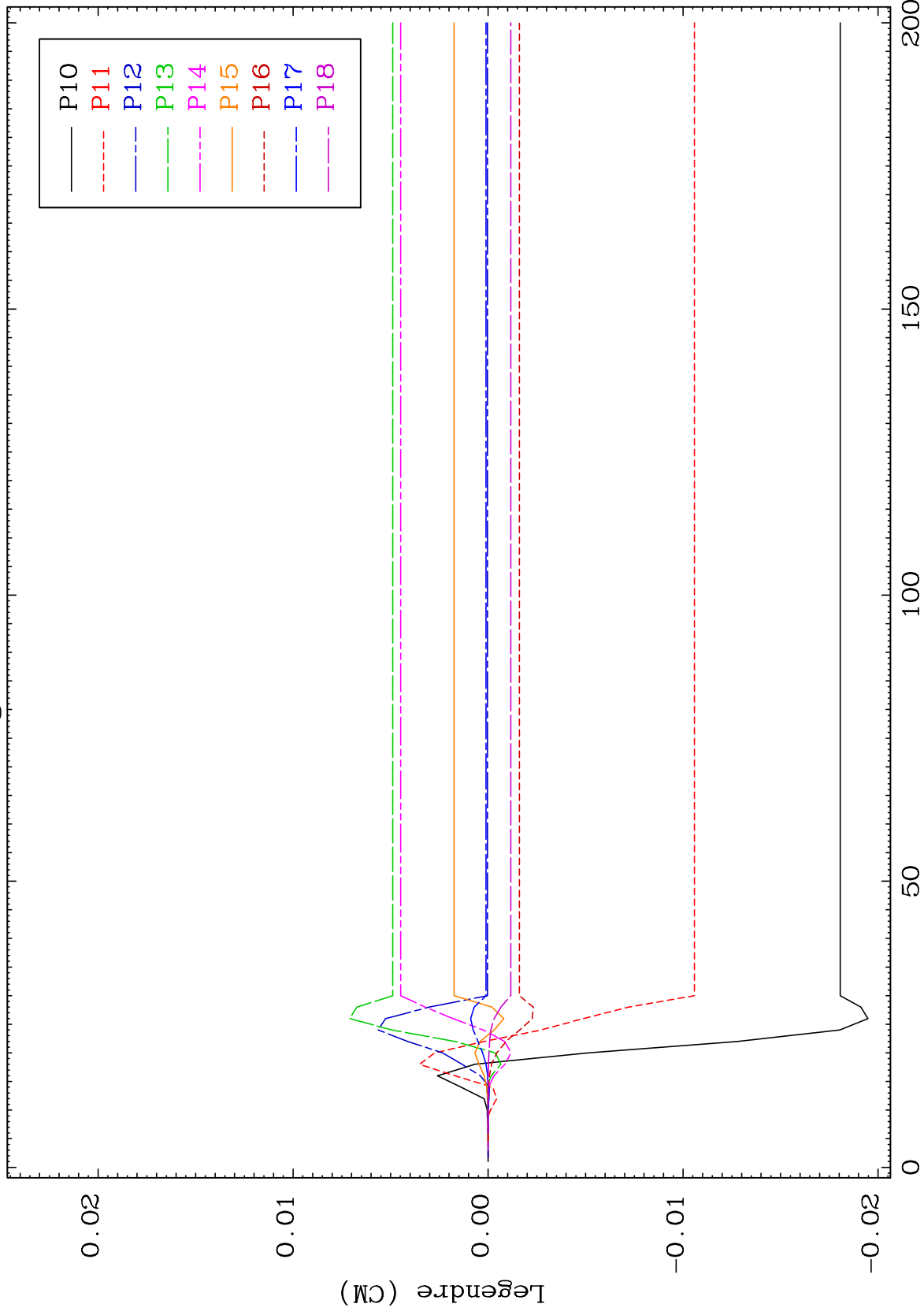
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



99

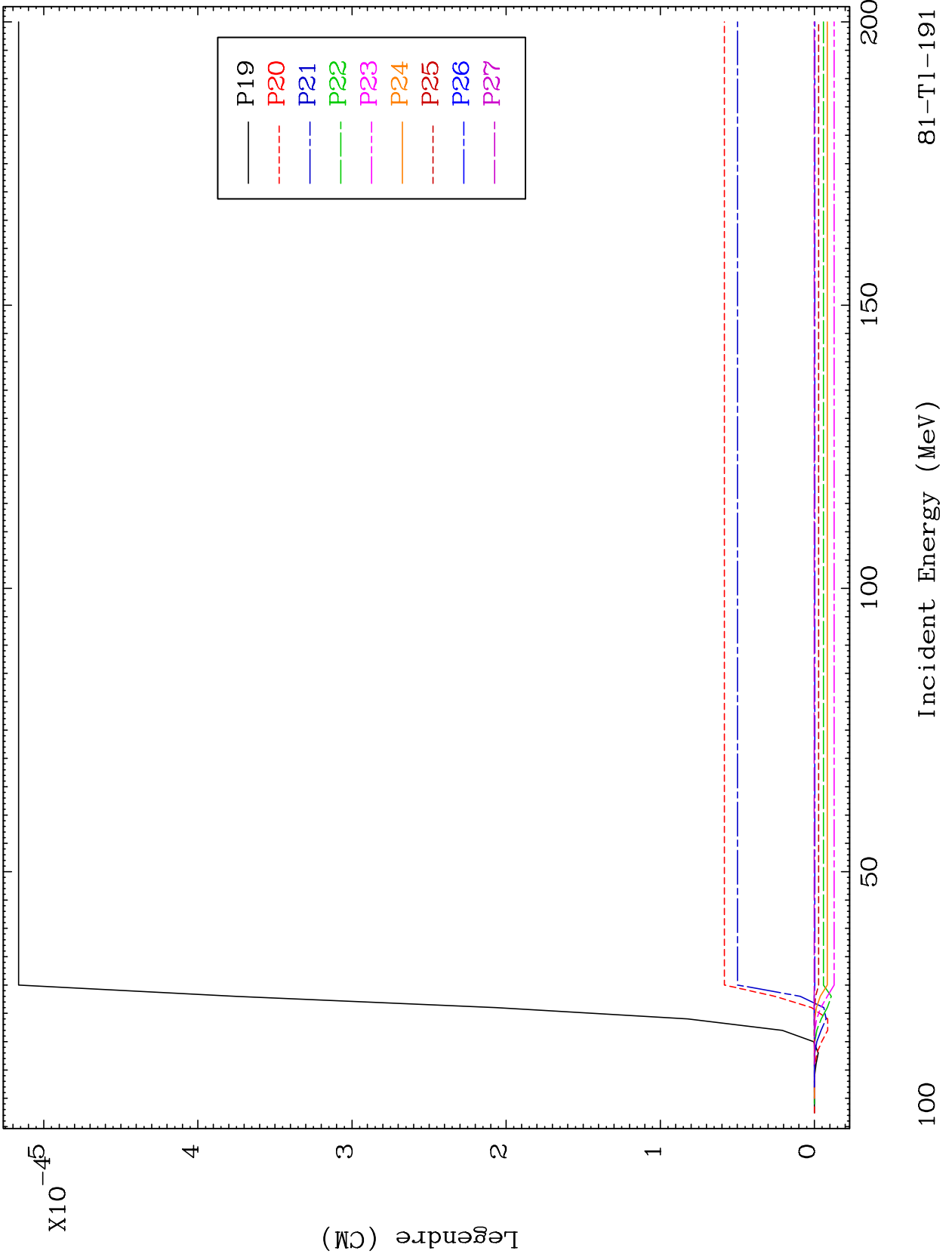
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



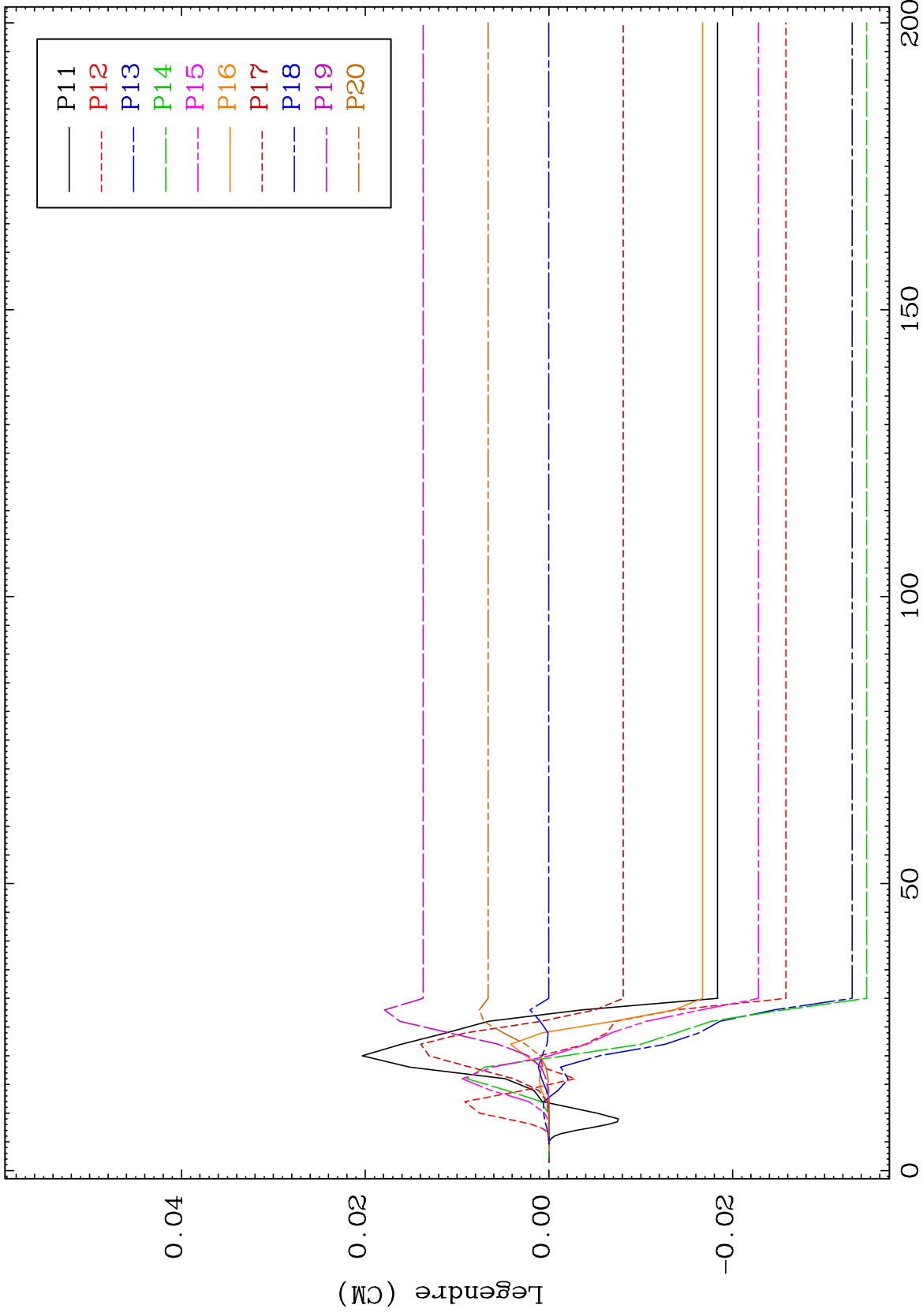




MAT 8089

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

81-Tl-191



103

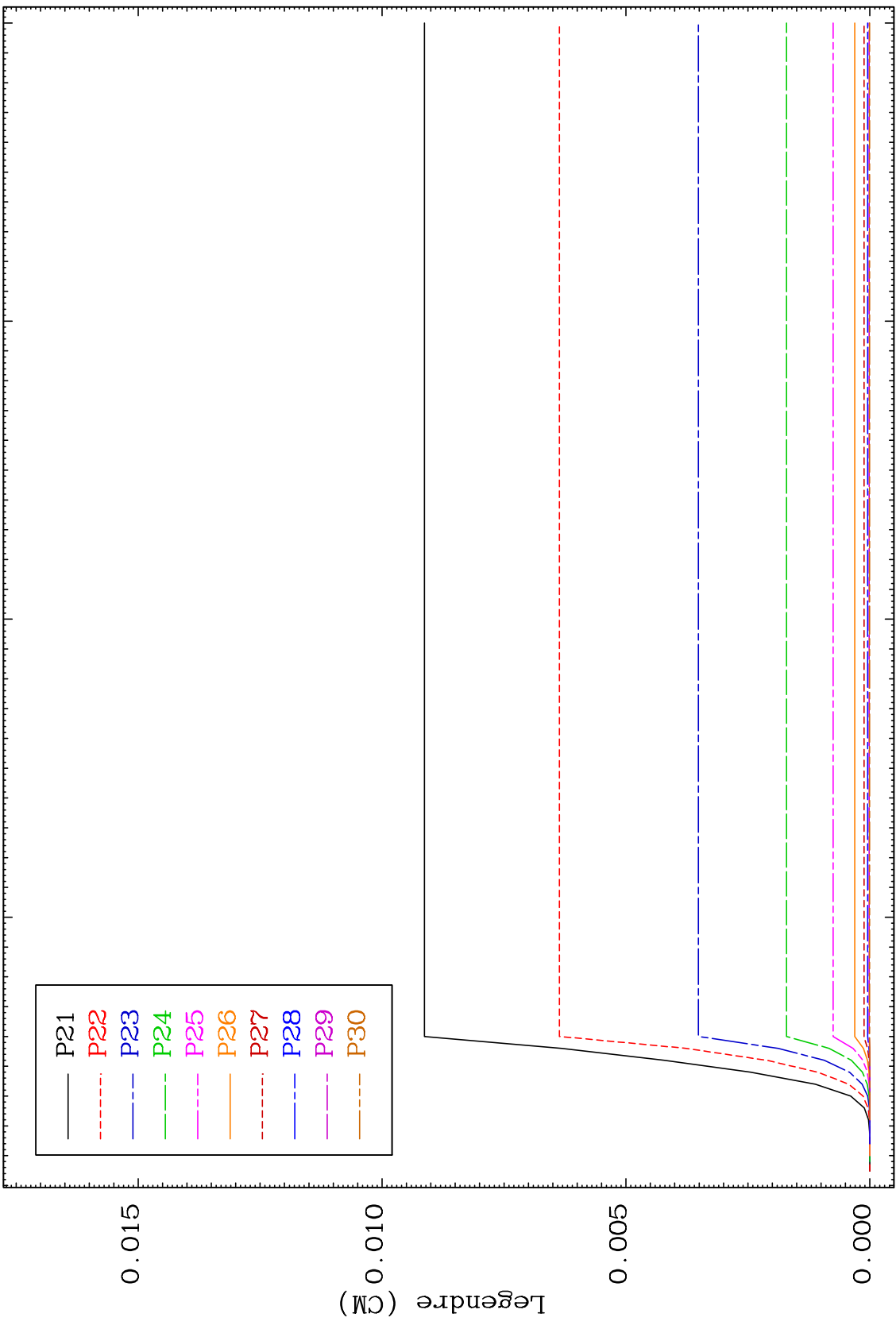
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



104

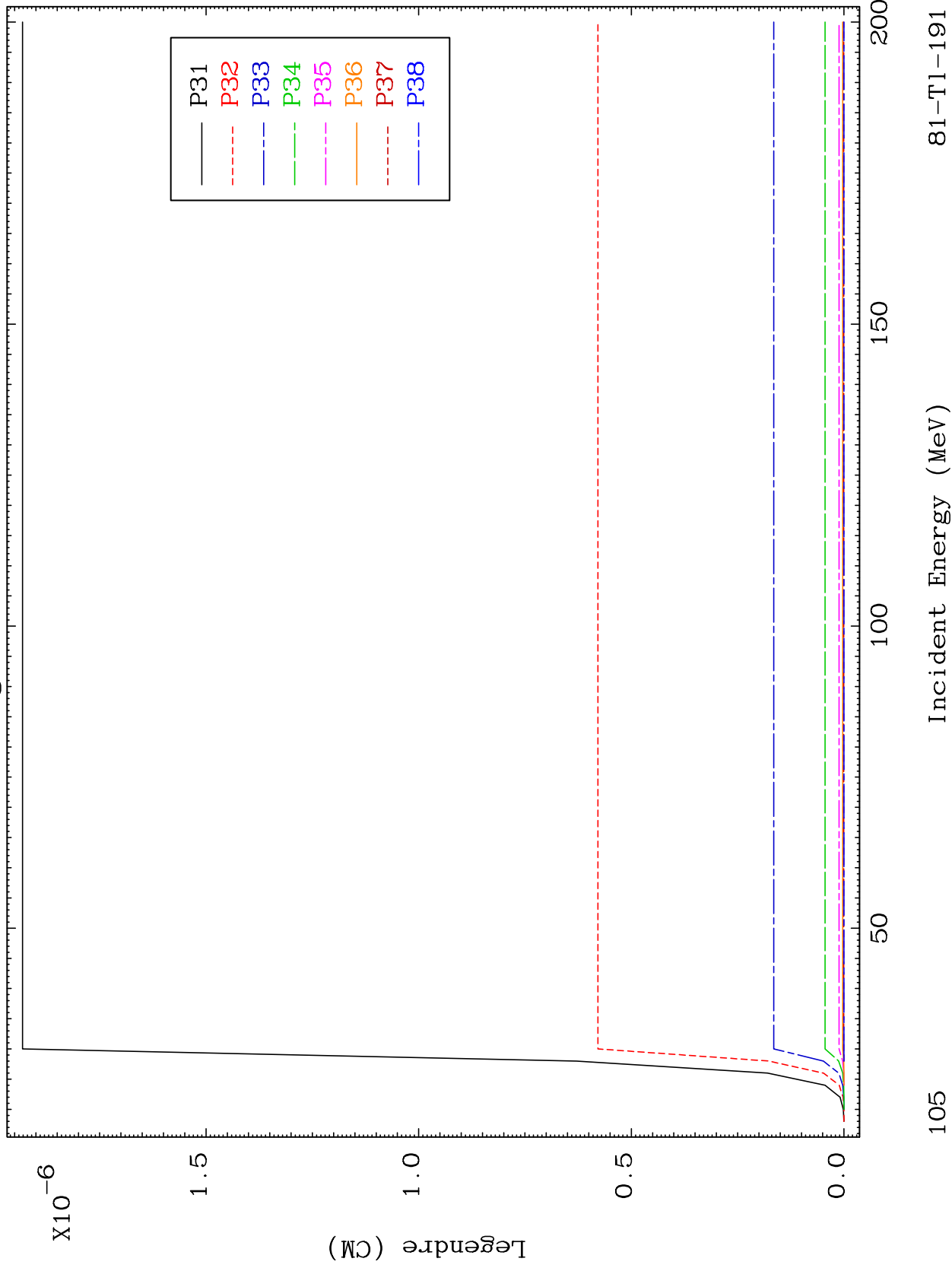
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

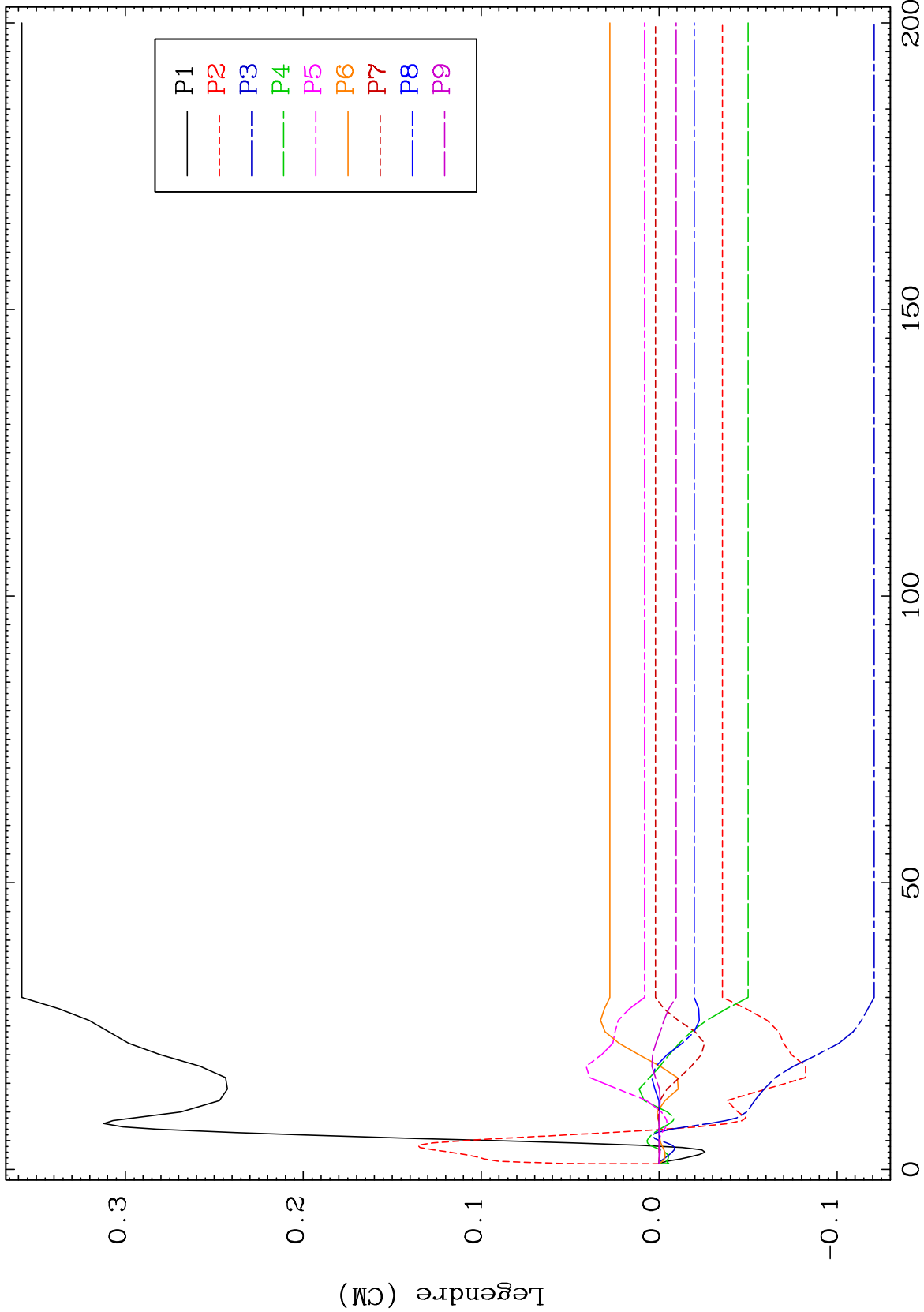
81-Tl-191



MAT 8089

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

81-T1-191

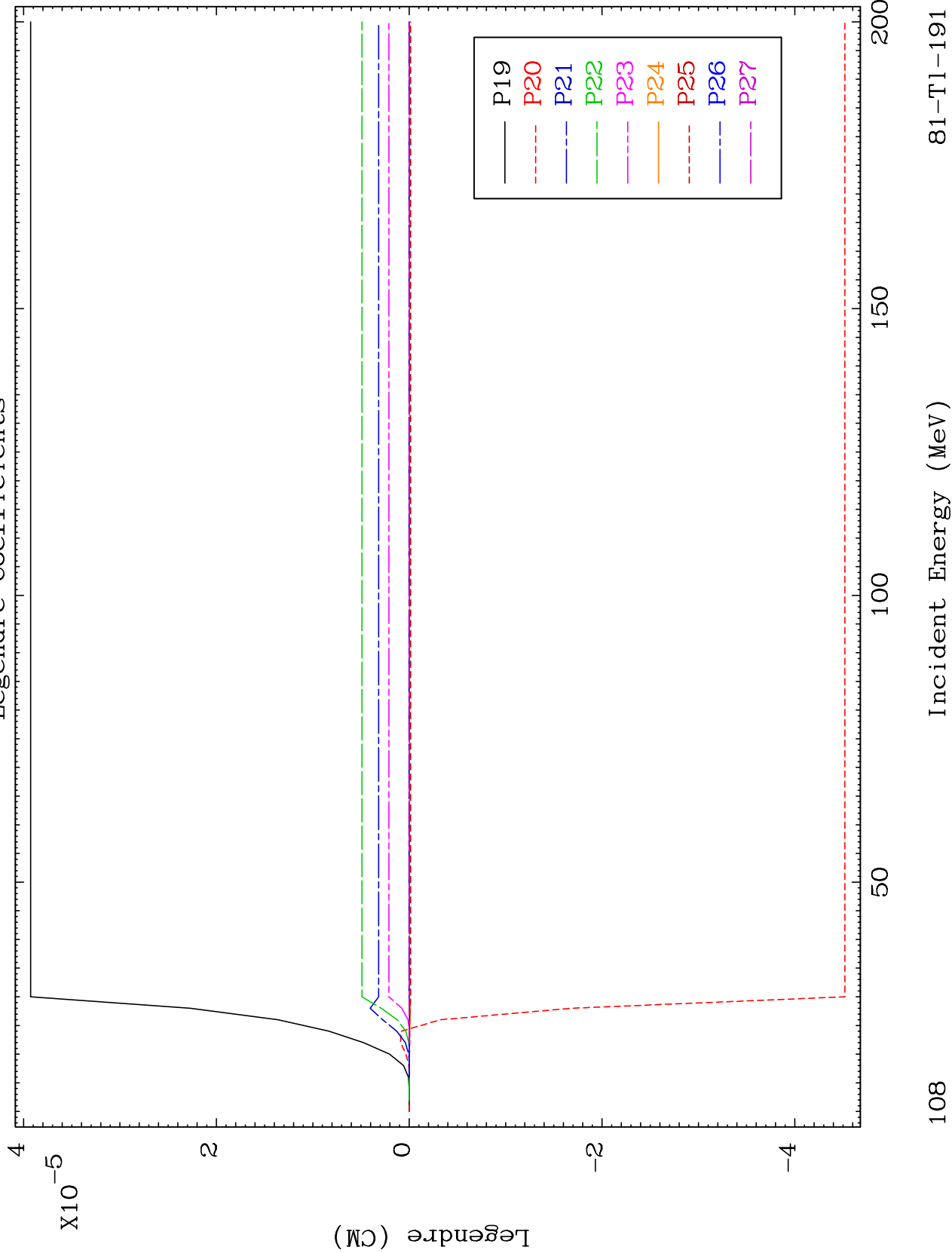


106

Incident Energy (MeV)

81-T1-191

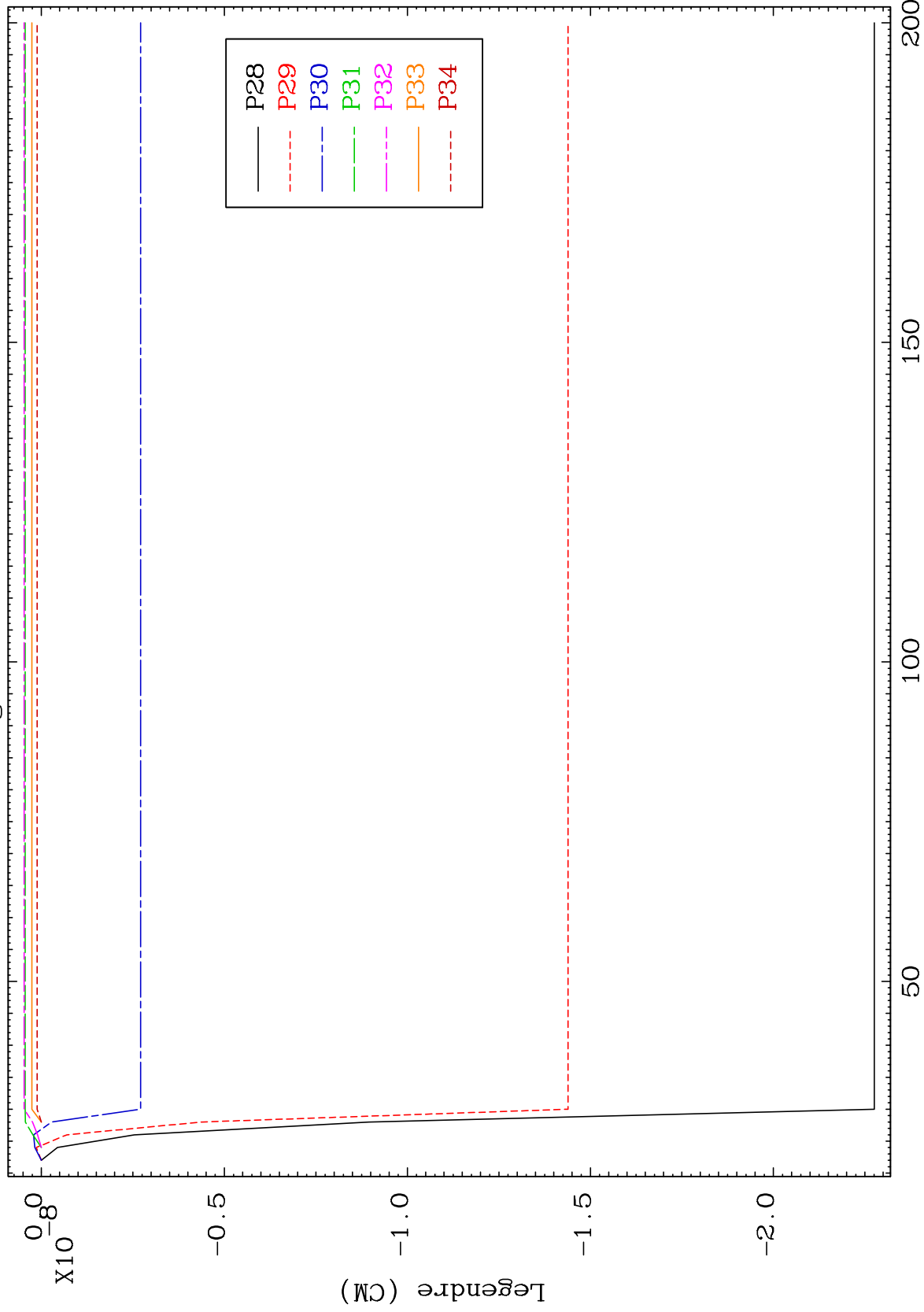




MAT 8089

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

81-Tl-191



109

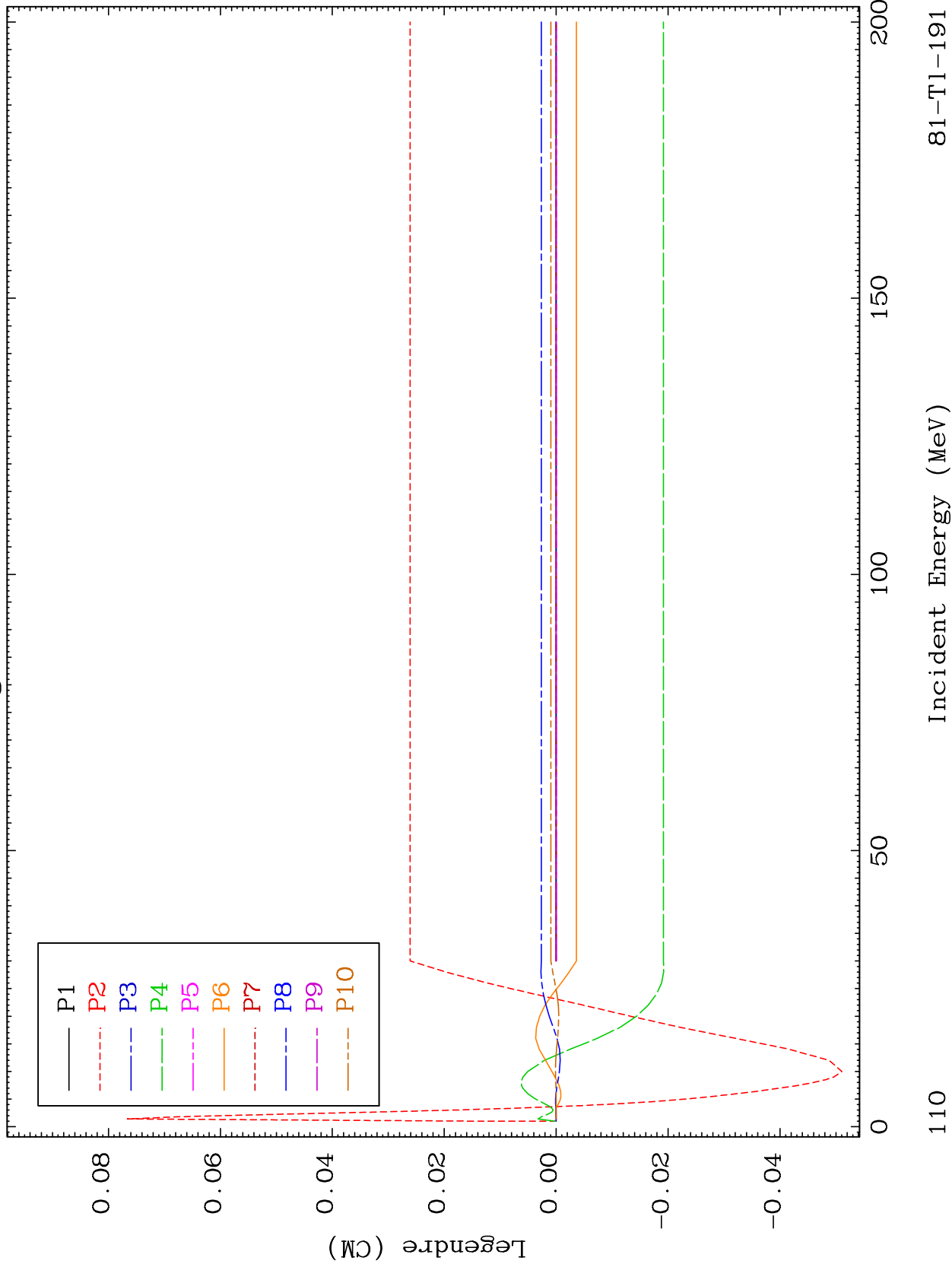
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



81-Tl-191

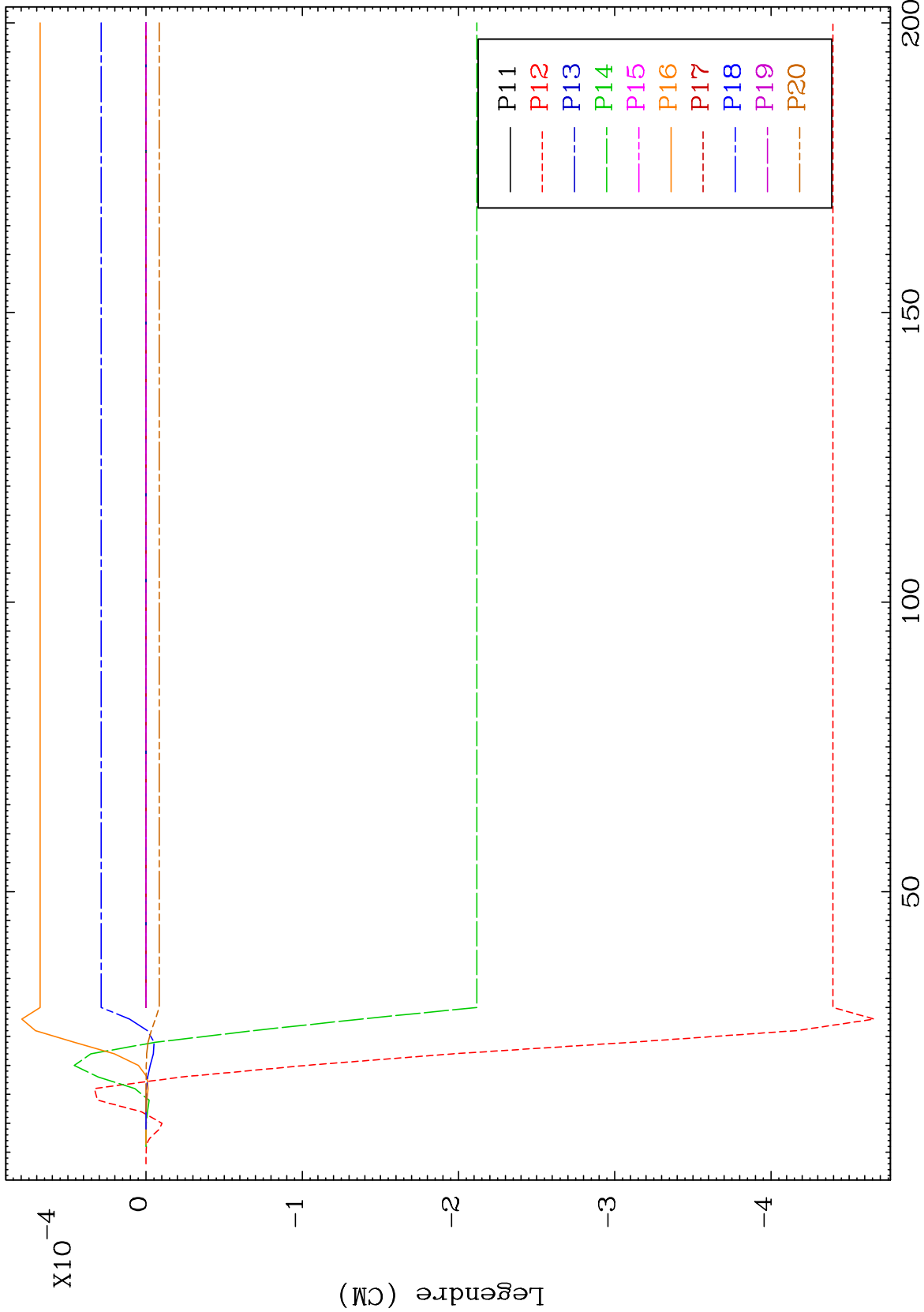
Incident Energy (MeV)

110

MAT 8089

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

81-T1-191



111

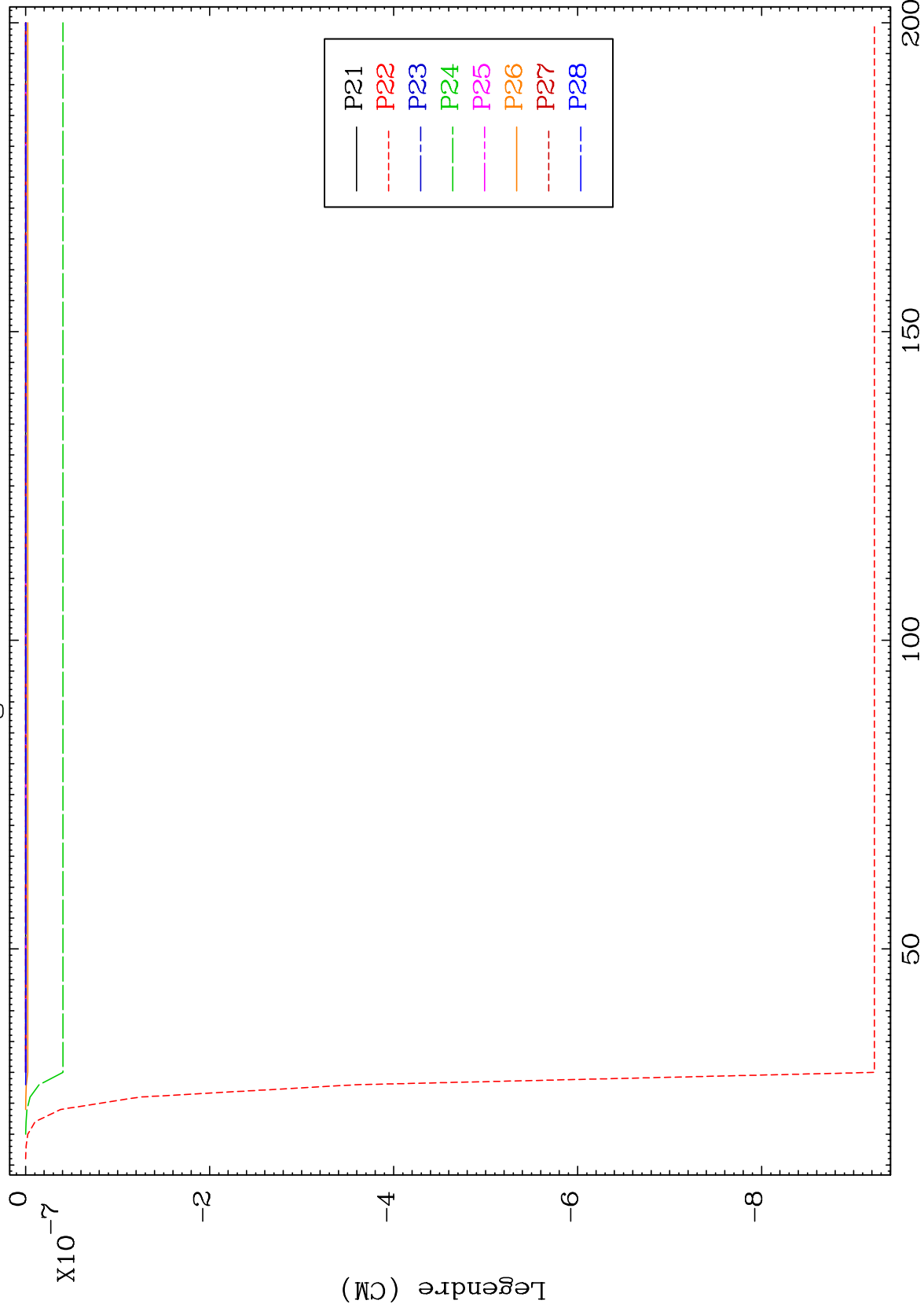
Incident Energy (MeV)

81-T1-191

MAT 8089

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

81-Tl-191



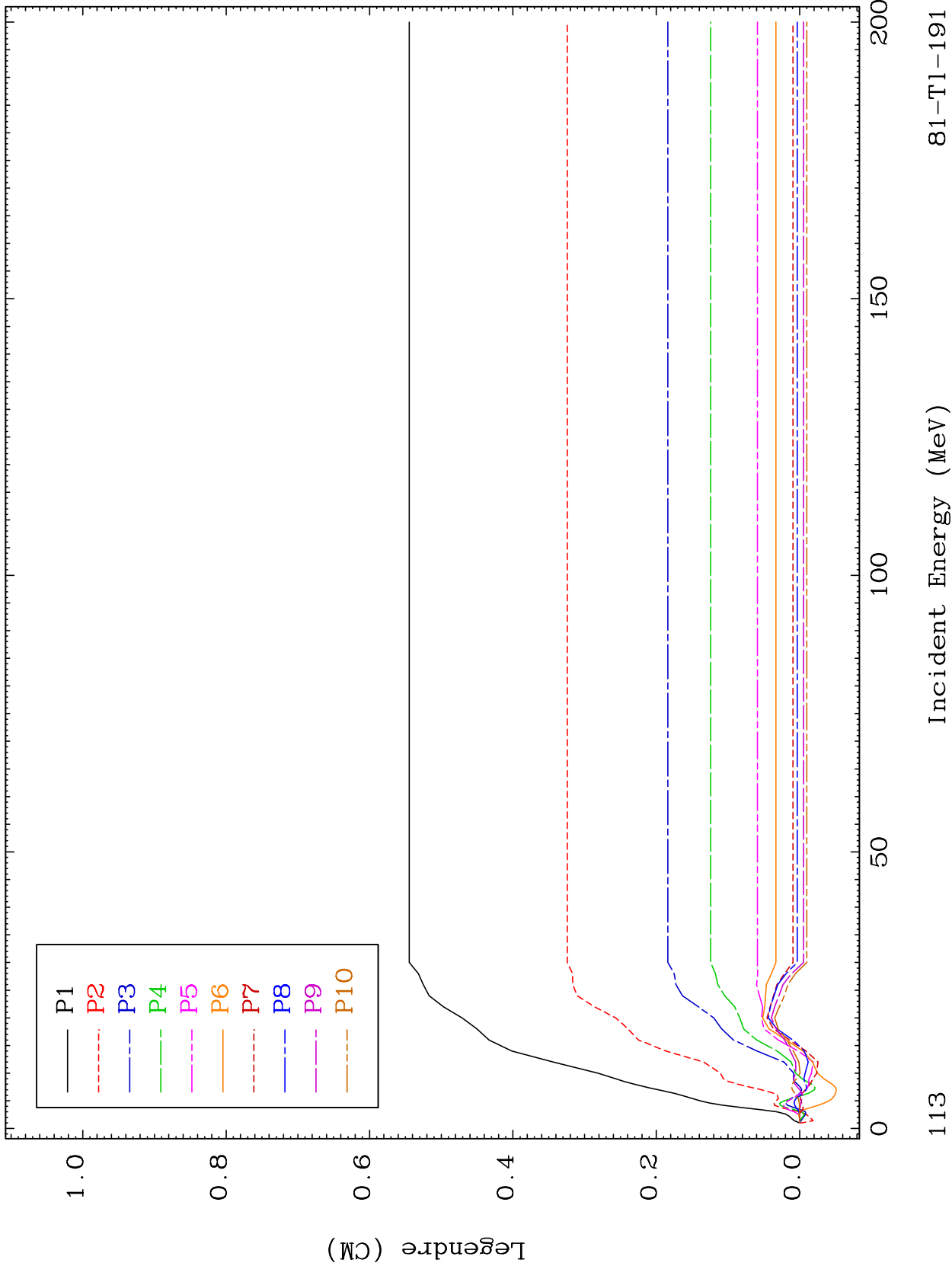
112

81-Tl-191

MAT 8089

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

81-Tl-191



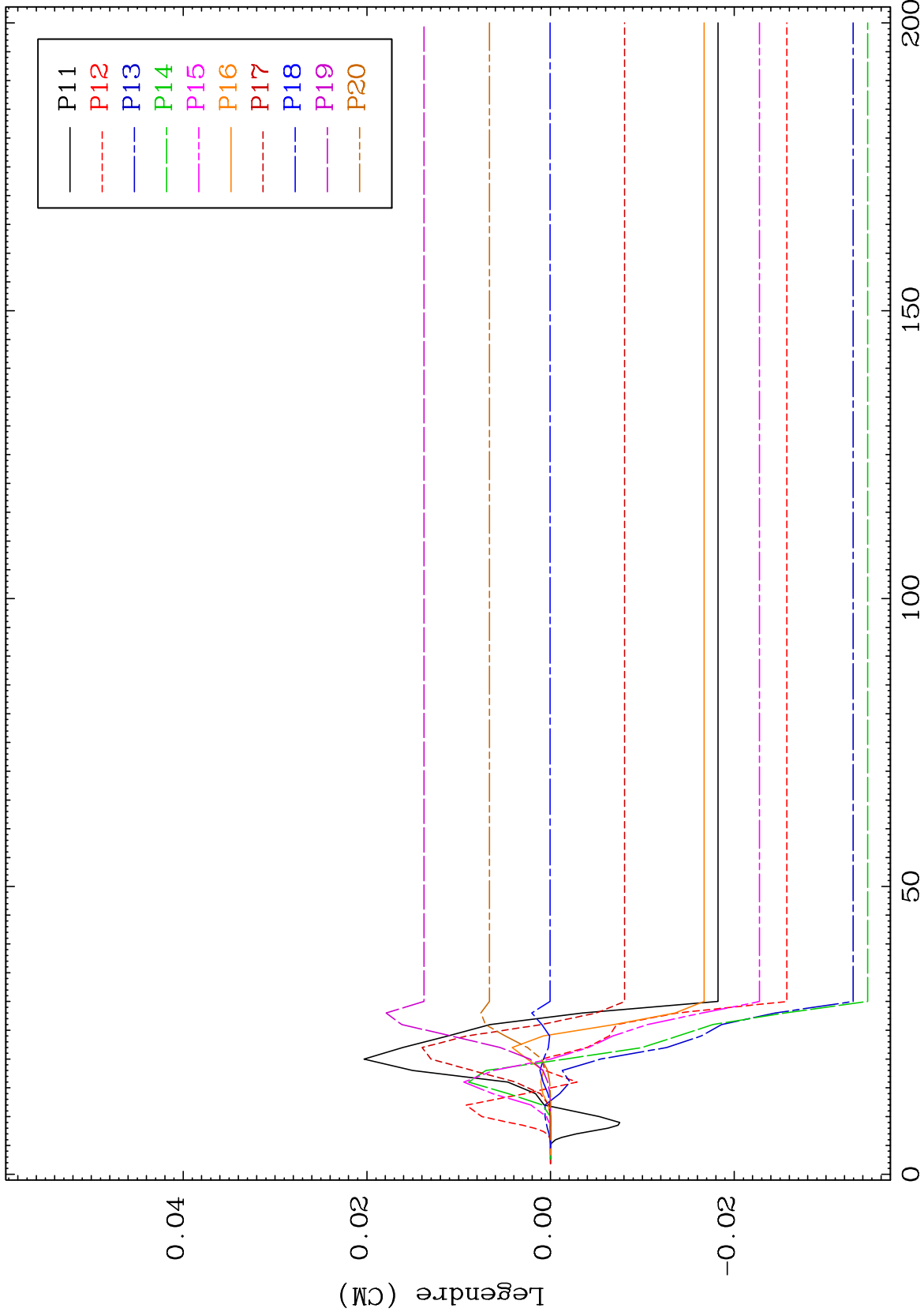
113

81-Tl-191

MAT 8089

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

81-Tl-191



114

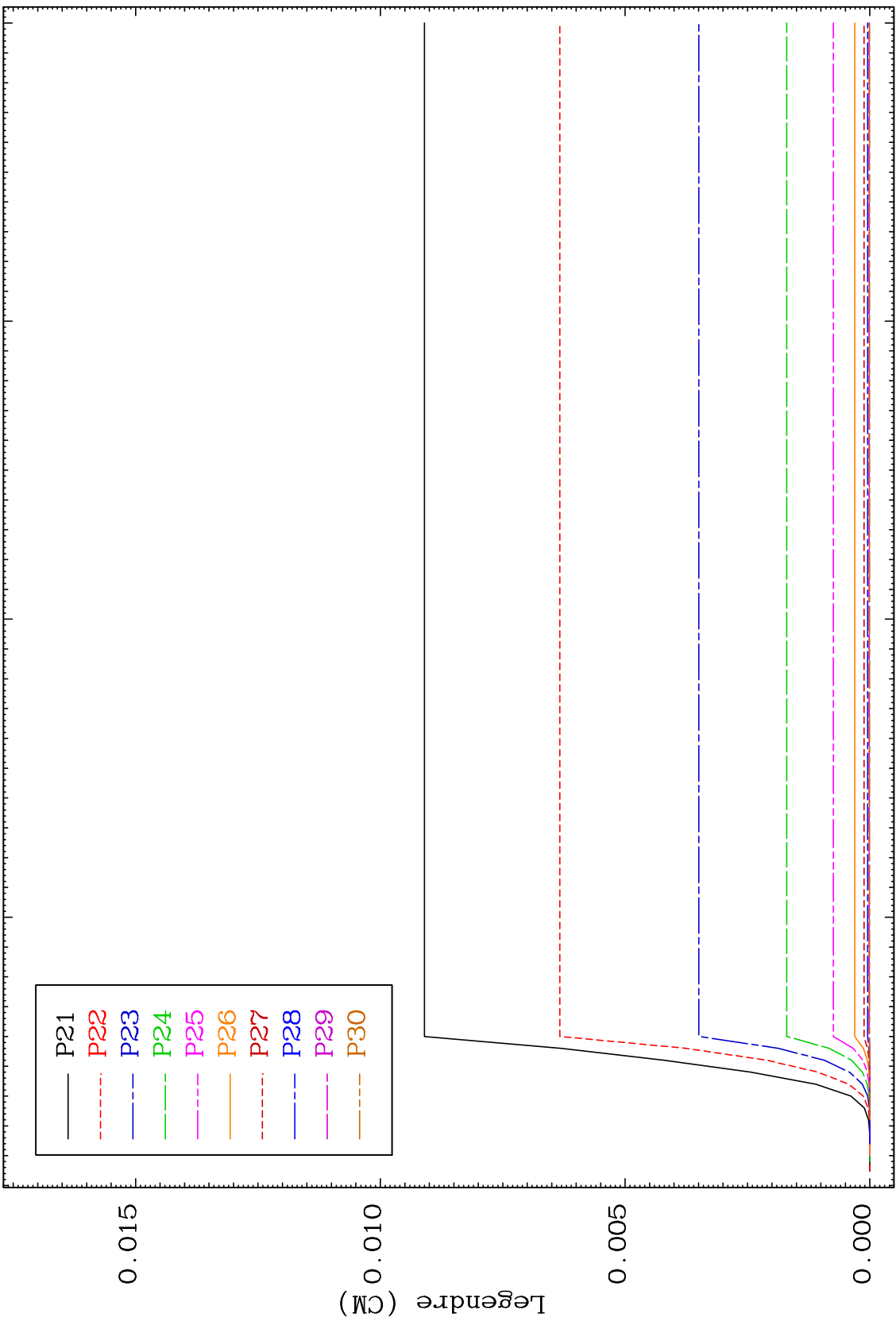
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



115

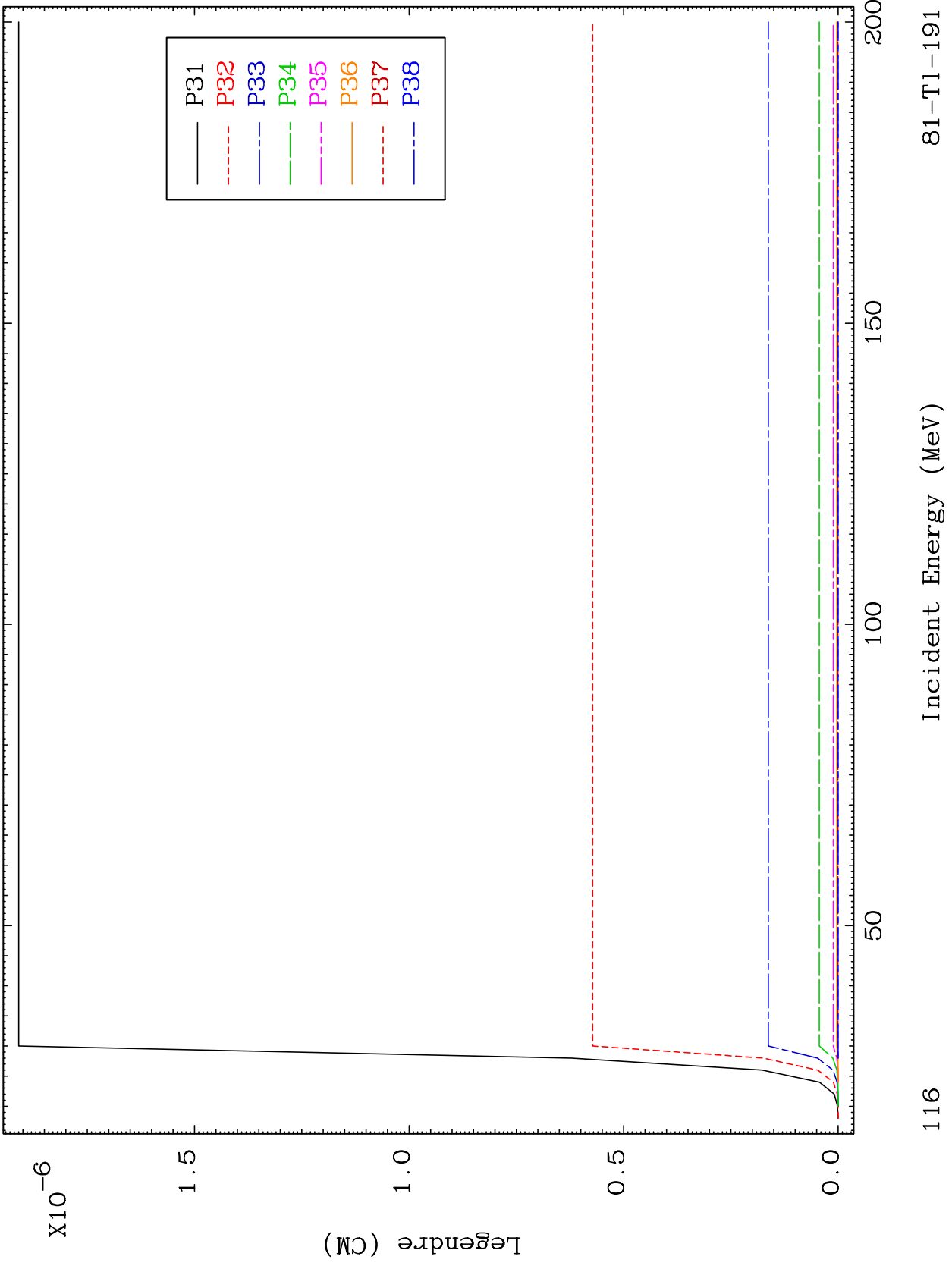
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-T1-191



116

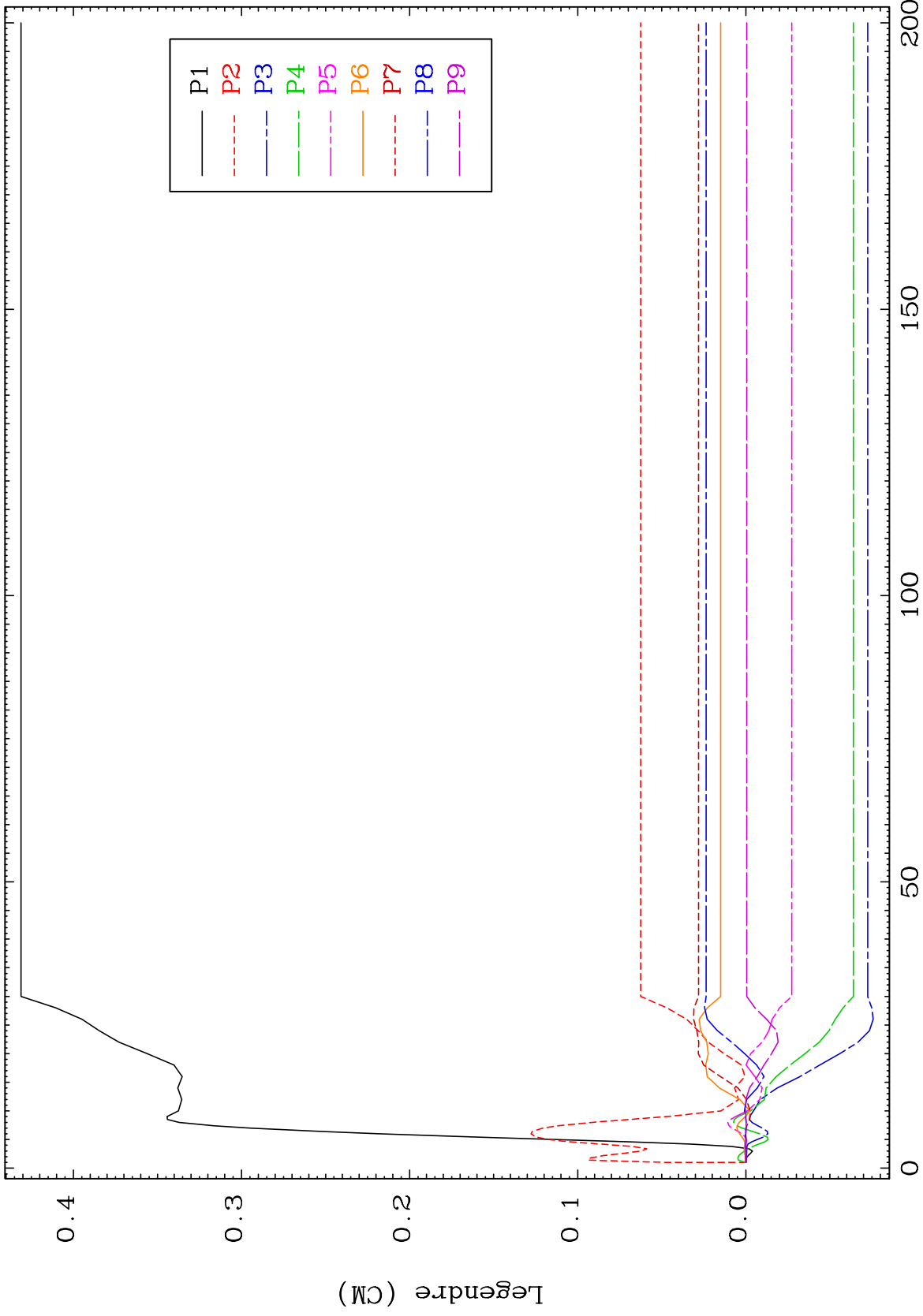
Incident Energy (MeV)

81-T1-191

MAT 8089

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

81-Tl-191



117

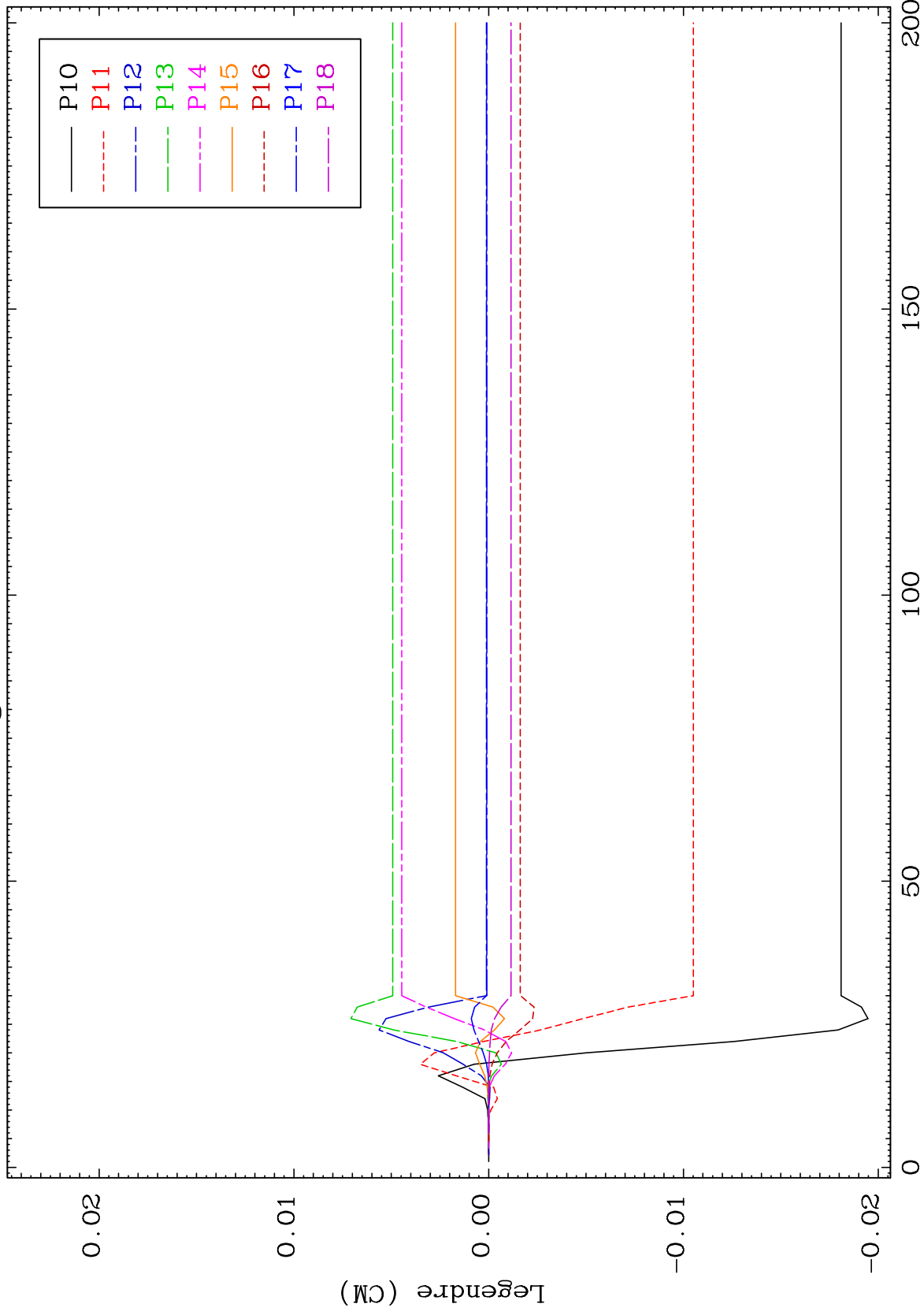
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



118

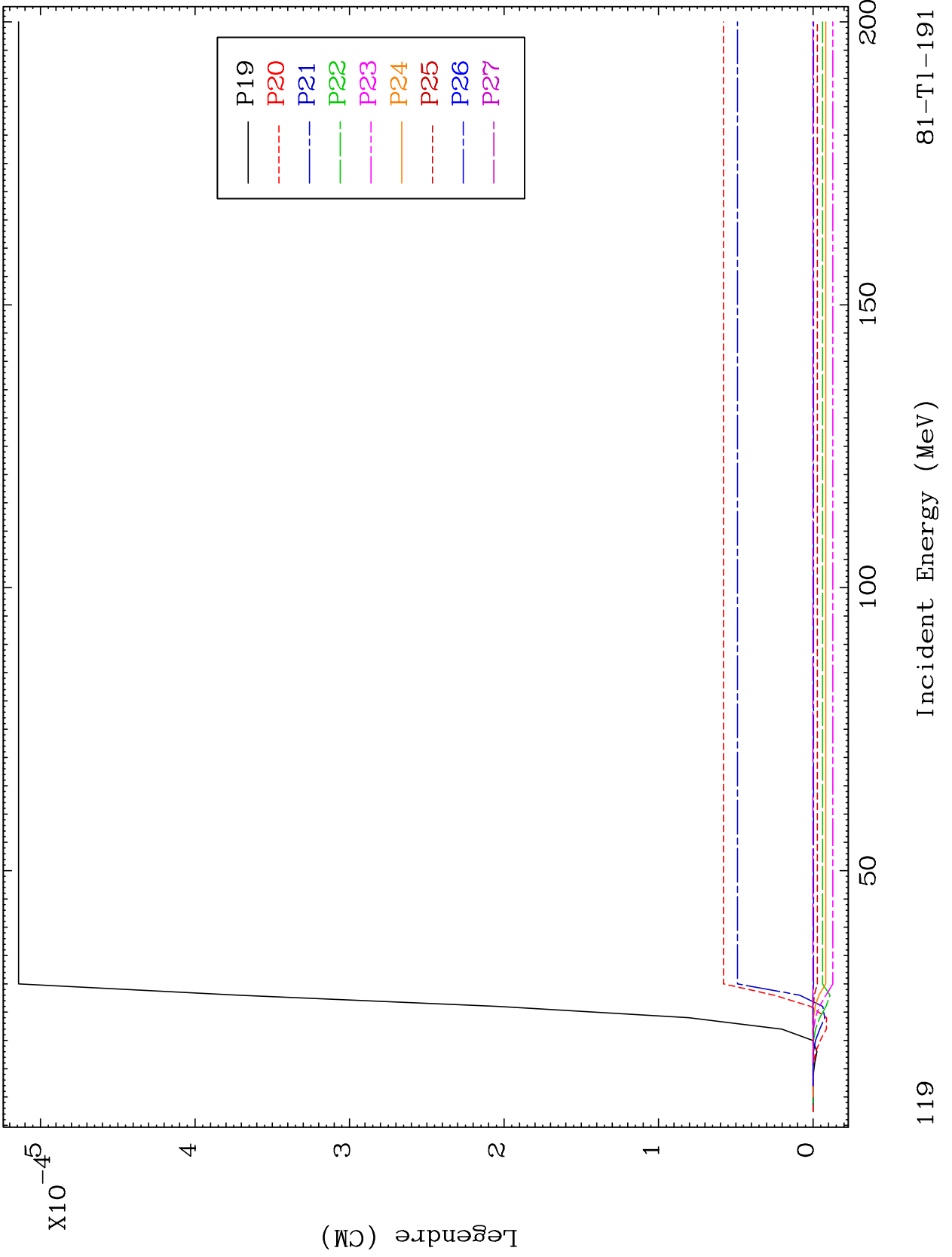
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

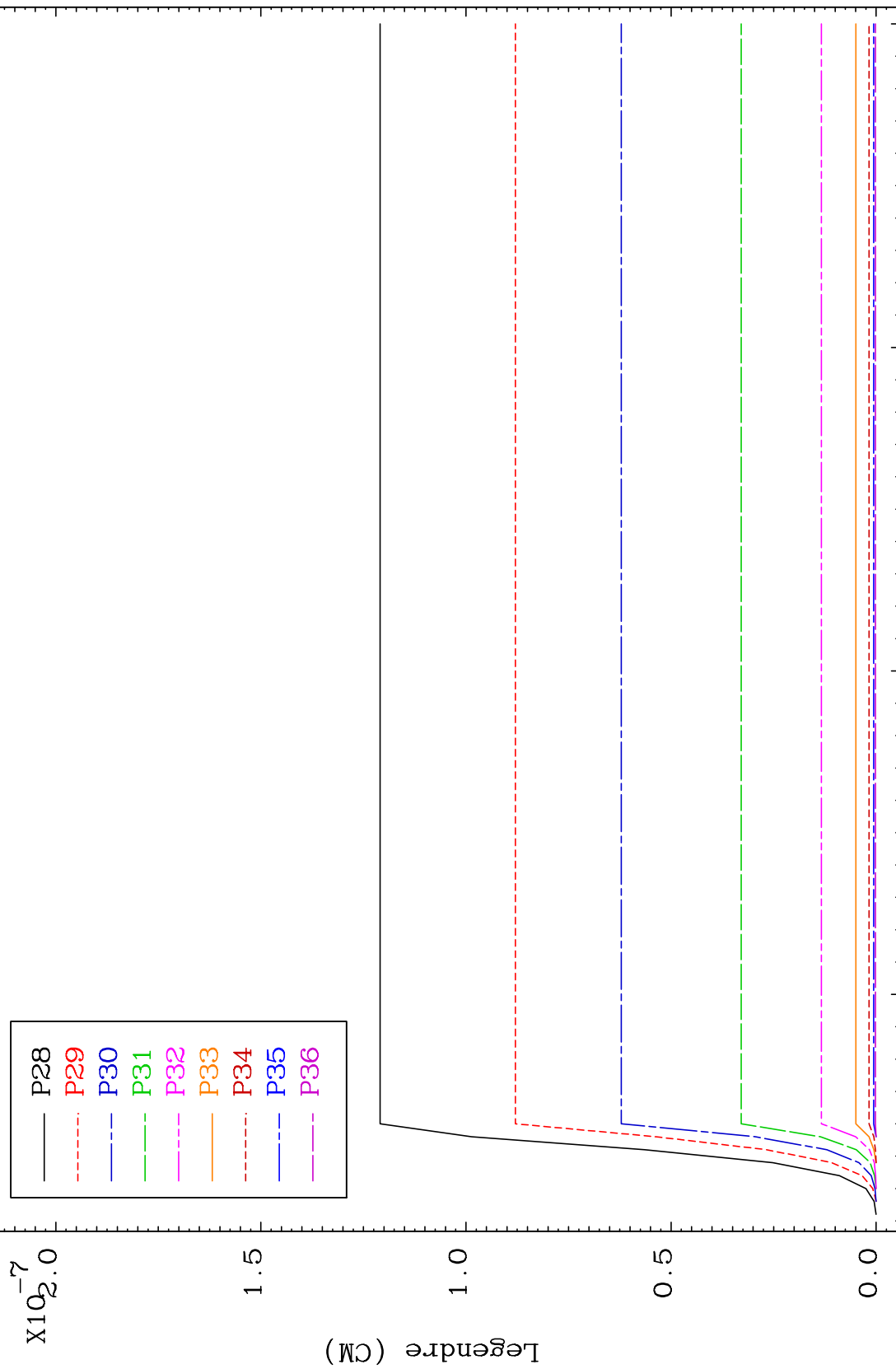
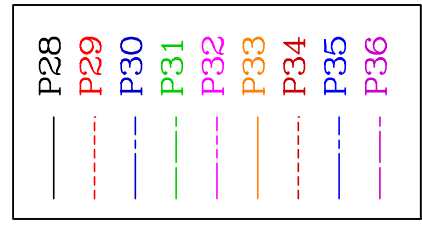
81-Tl-191



MAT 8089

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

81-Tl-191



120

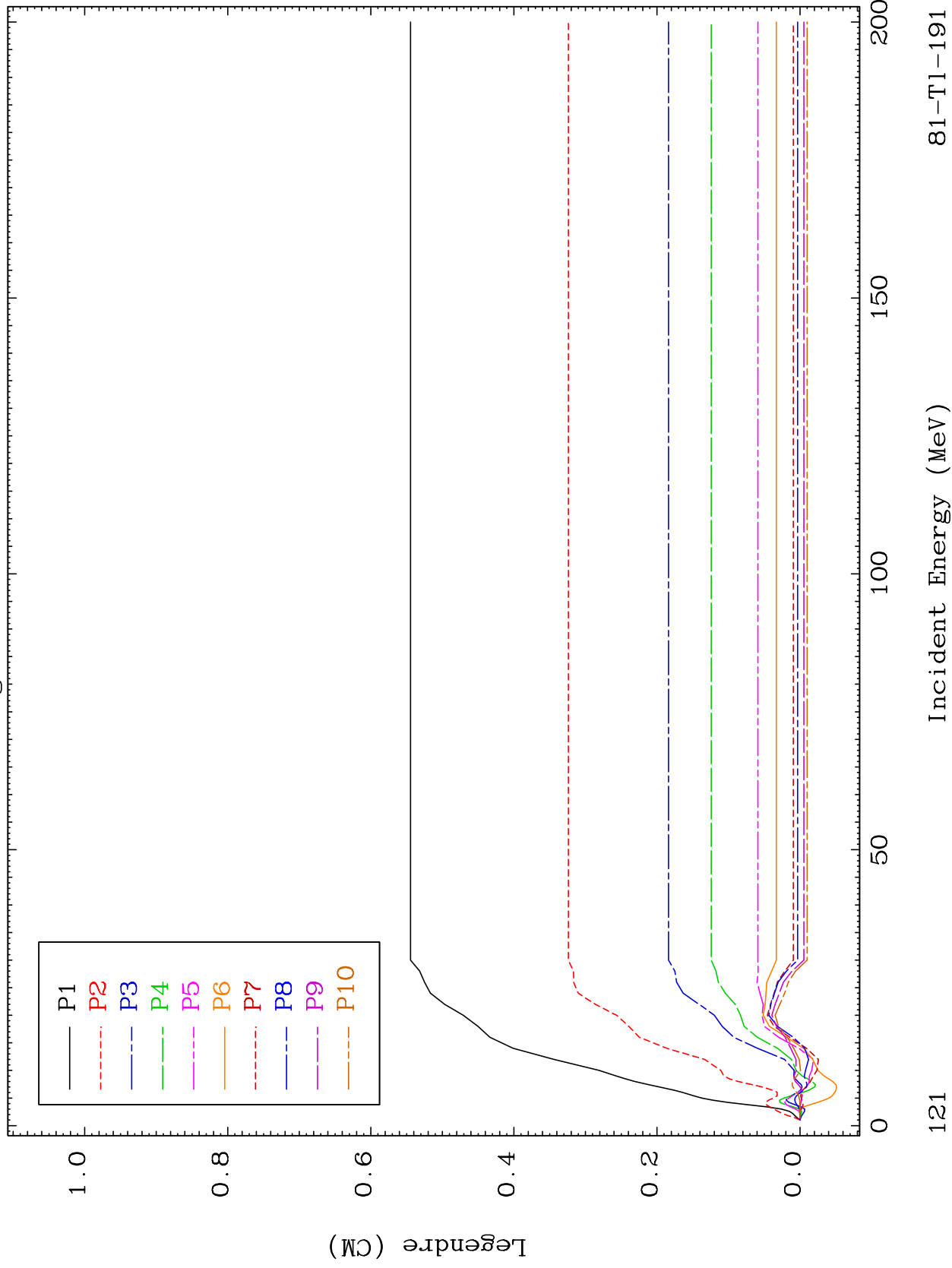
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191

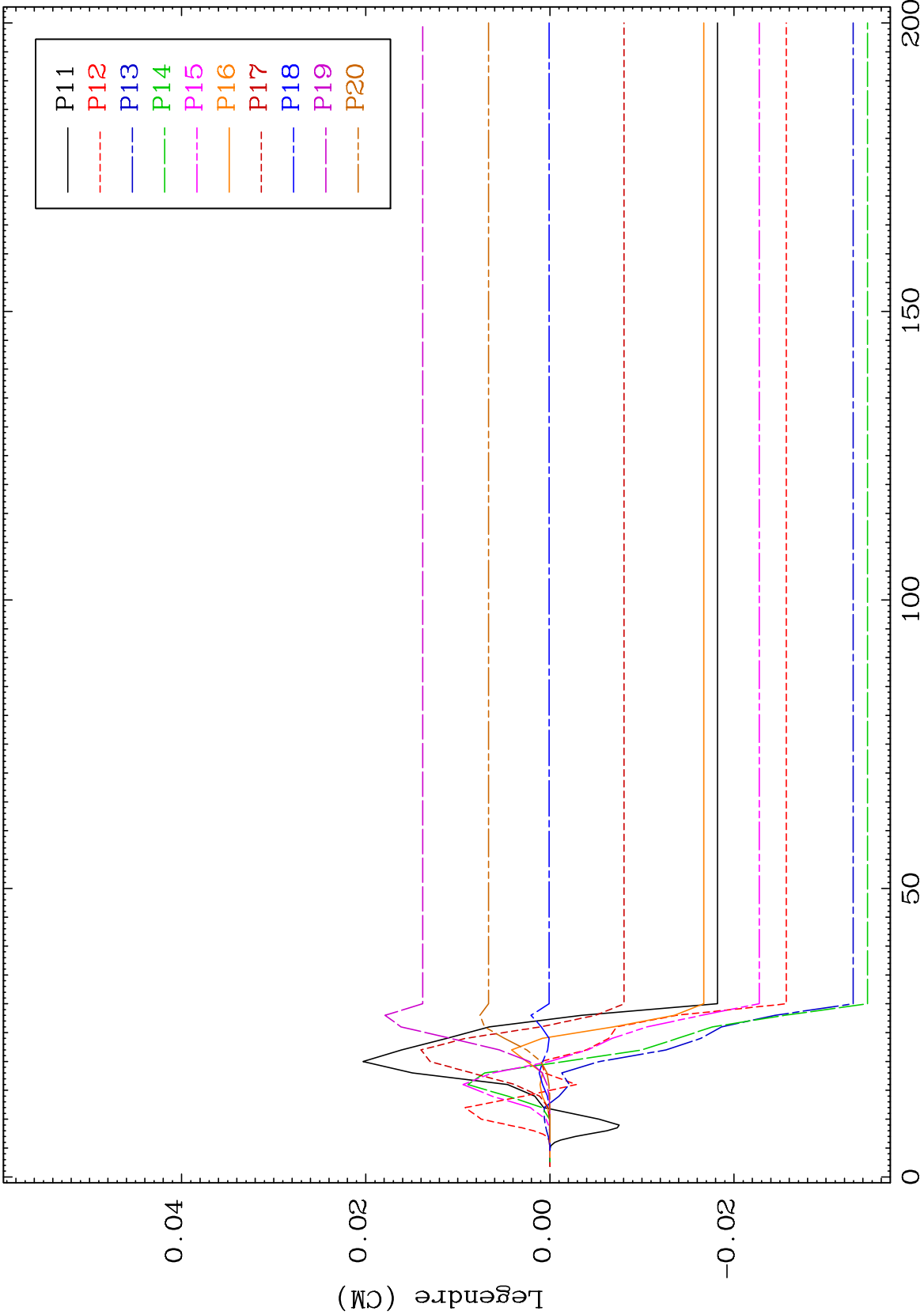


121

MAT 8089

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

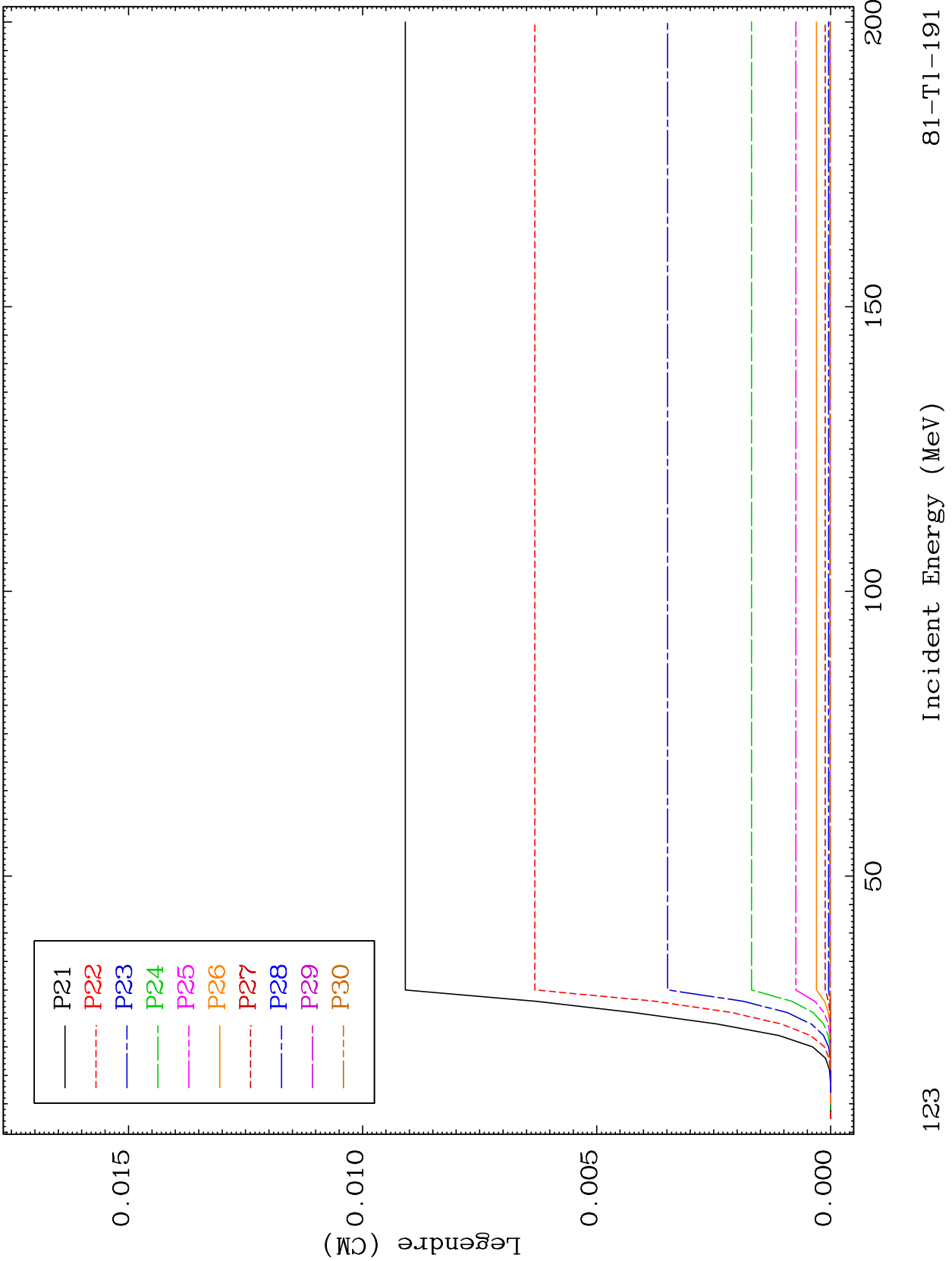
81-Tl-191



122

Incident Energy (MeV)

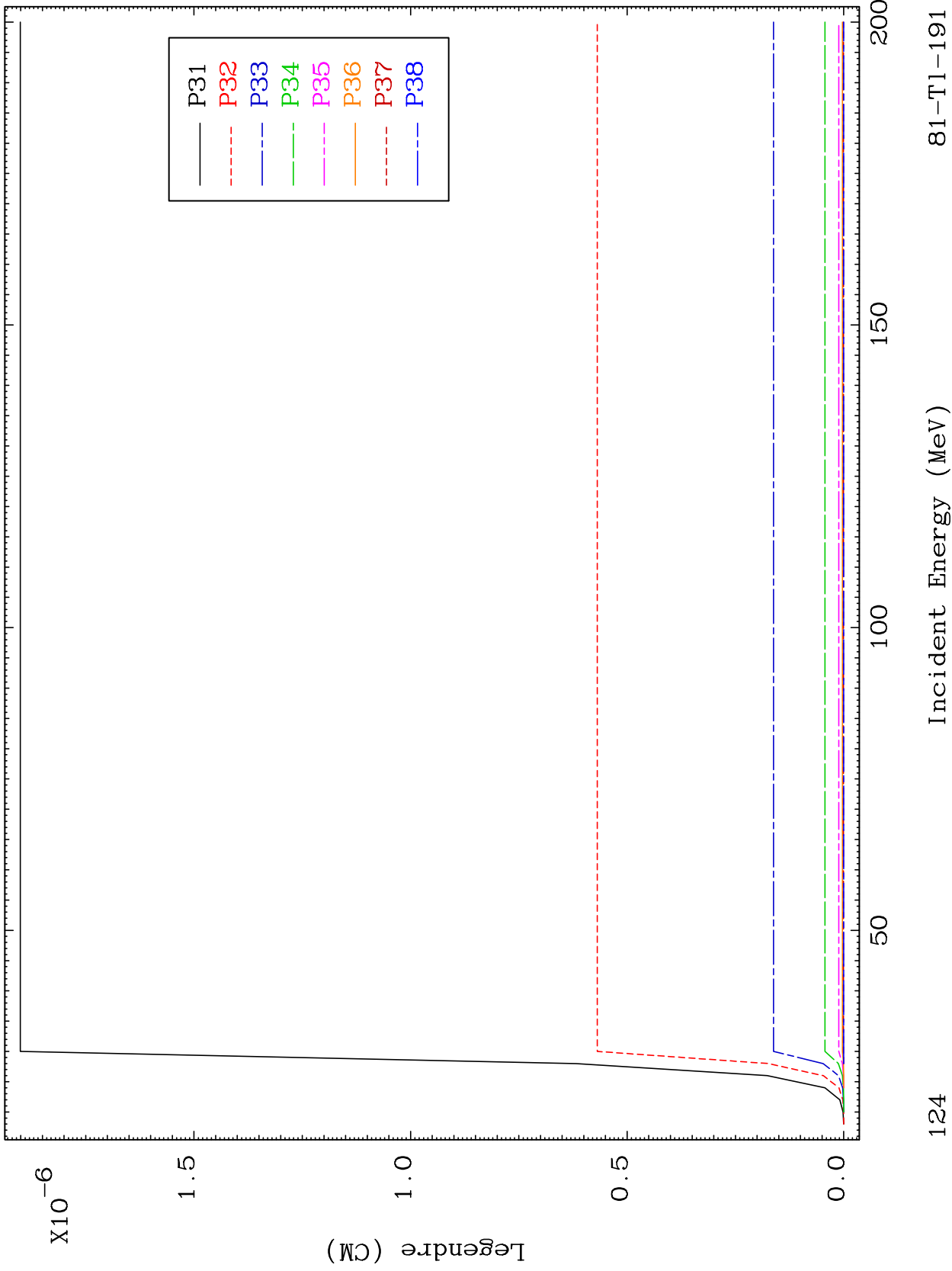
81-Tl-191



MAT 8089

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

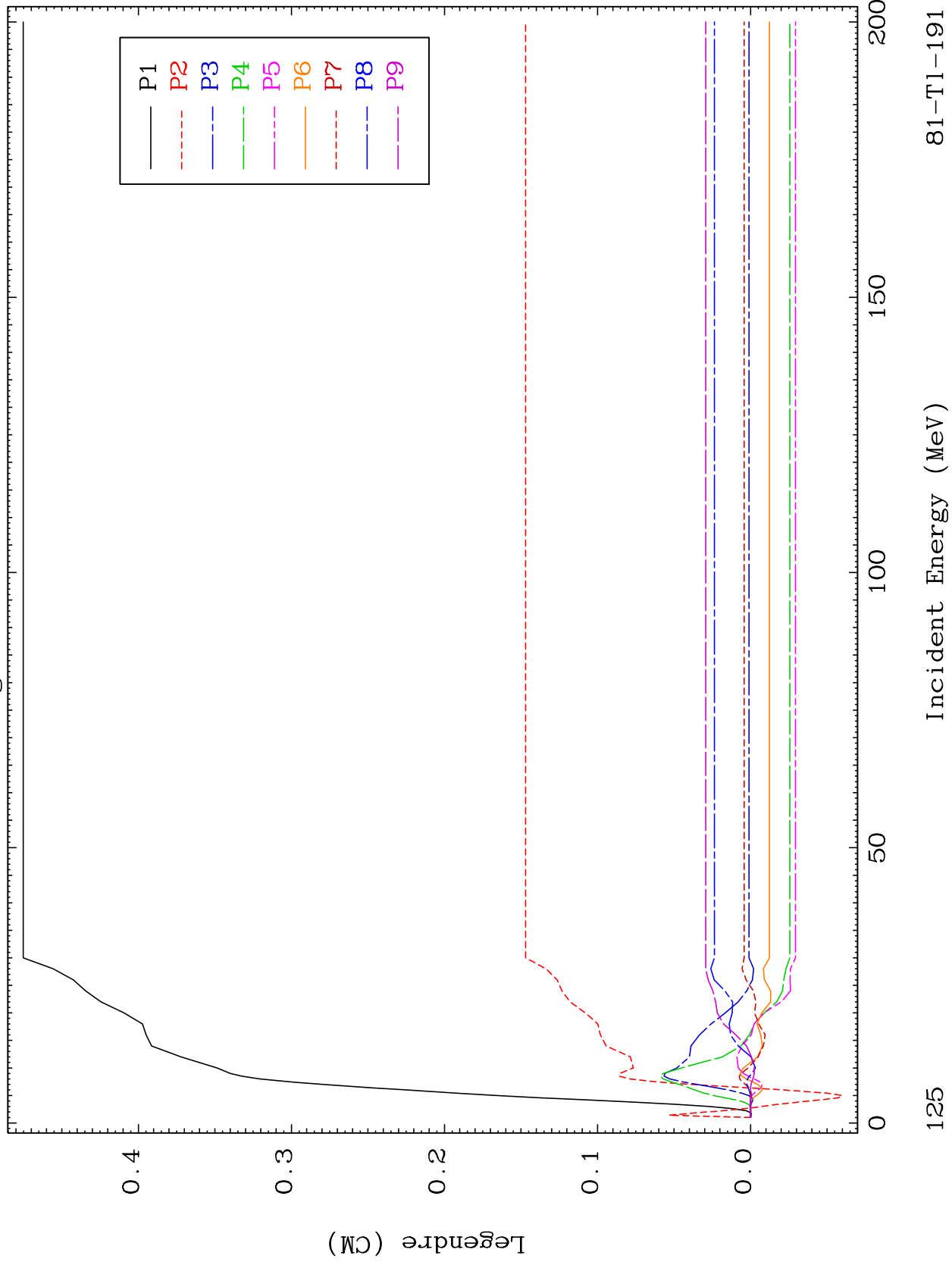
81-Tl-191



MAT 8089

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

81-Tl-191



81-Tl-191

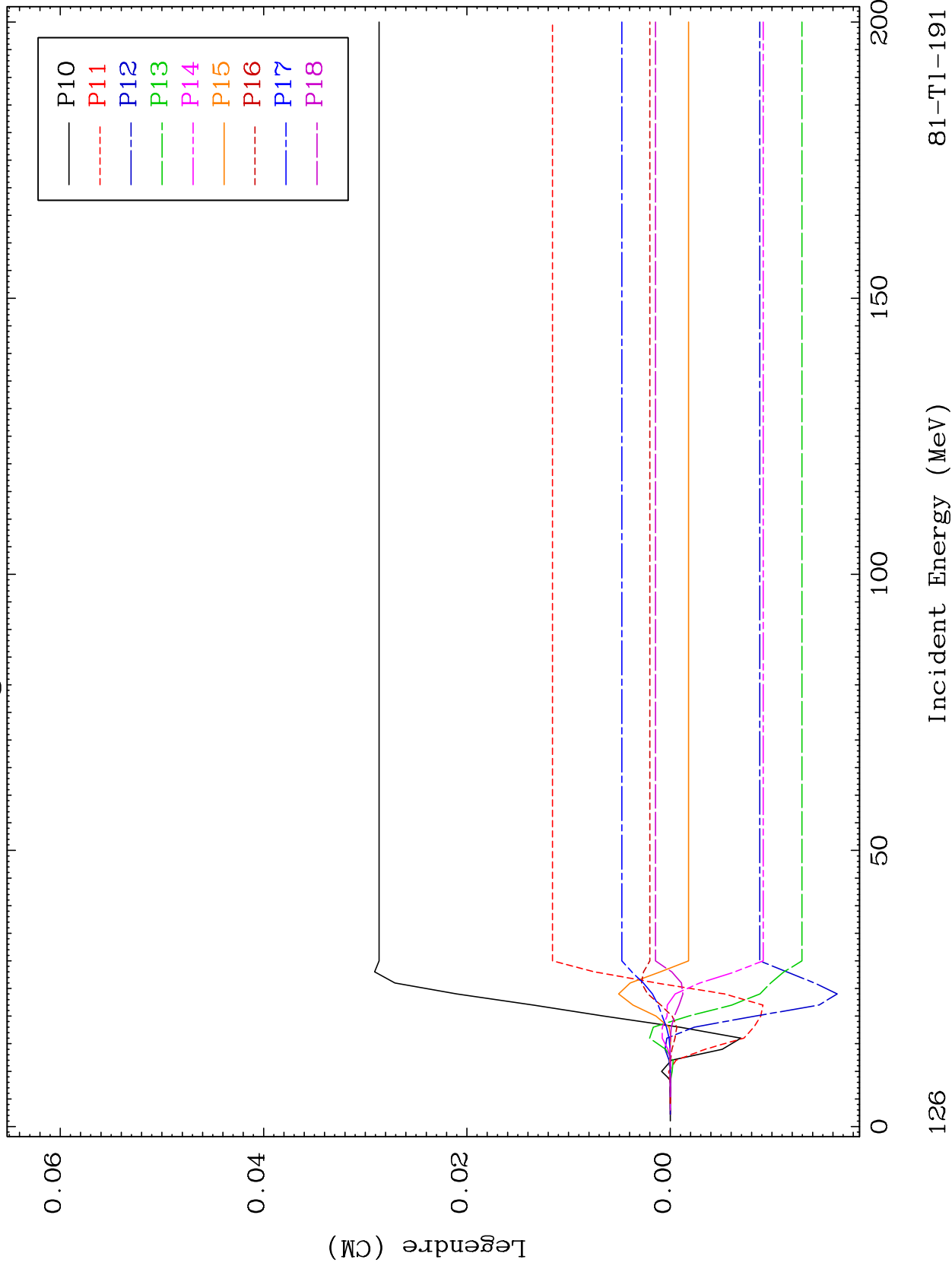
Incident Energy (MeV)

125

MAT 8089

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

81-Tl-191



81-Tl-191

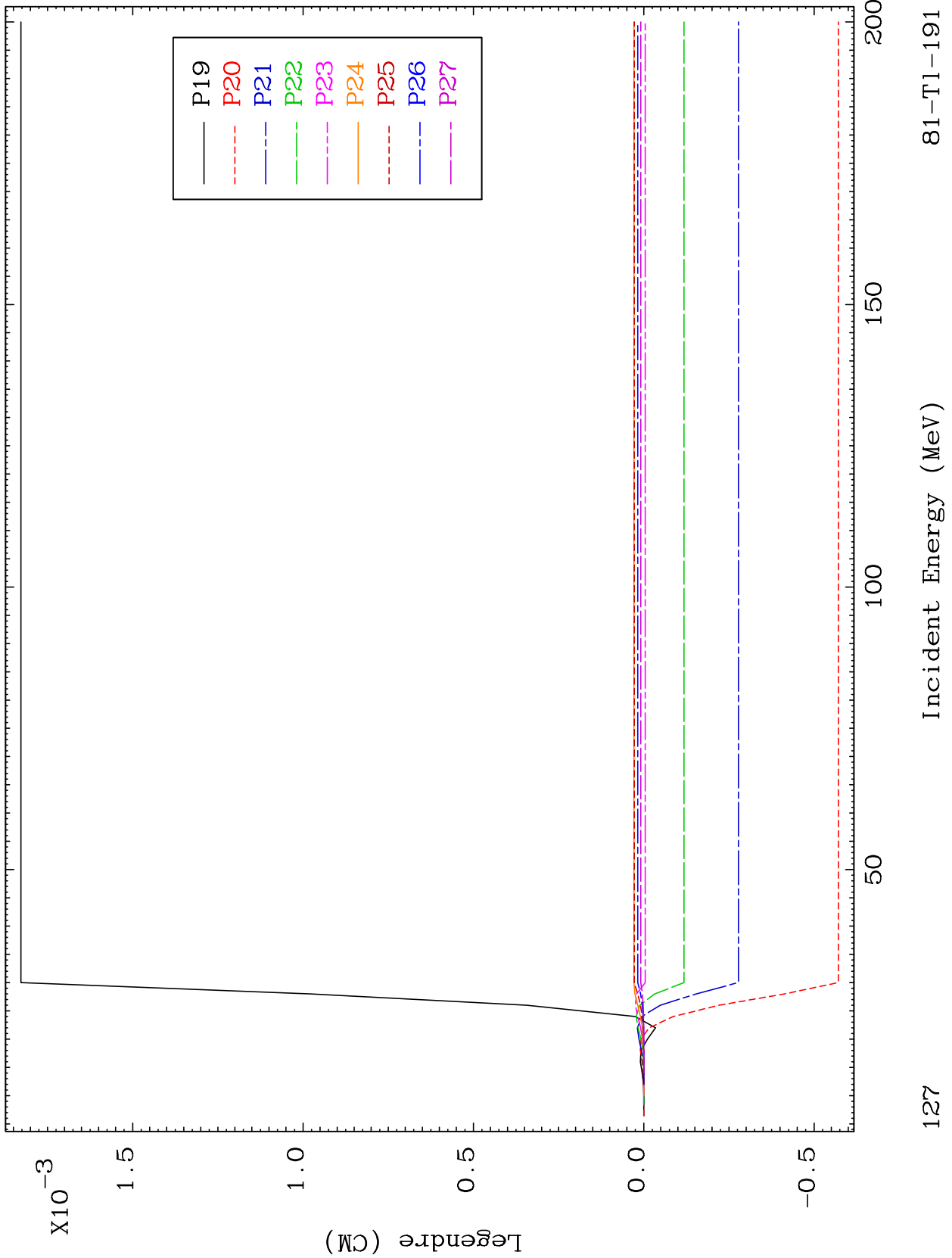
Incident Energy (MeV)

126

MAT 8089

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

81-Tl-191



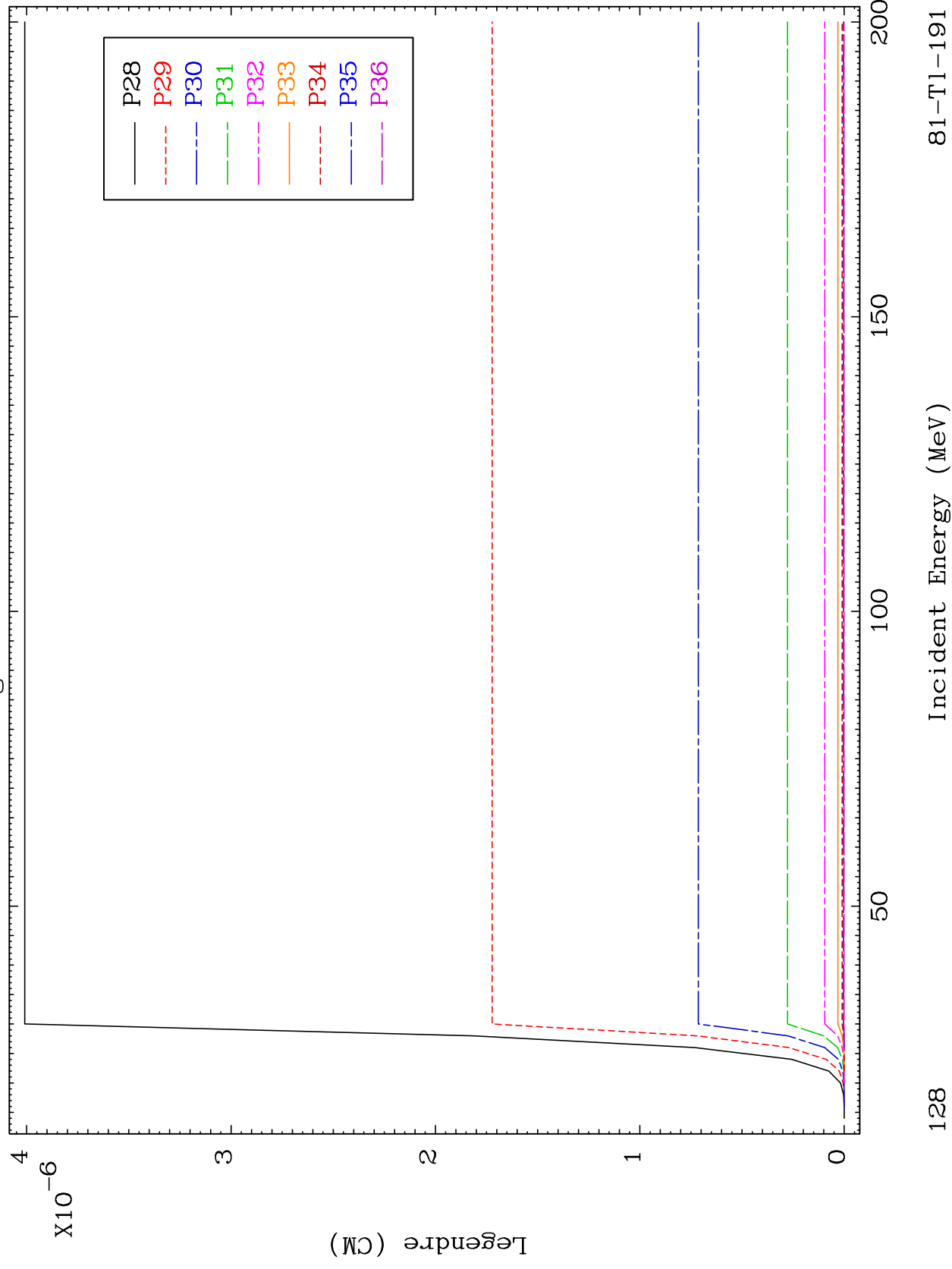
127

81-Tl-191

MAT 8089

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

81-Tl-191



128

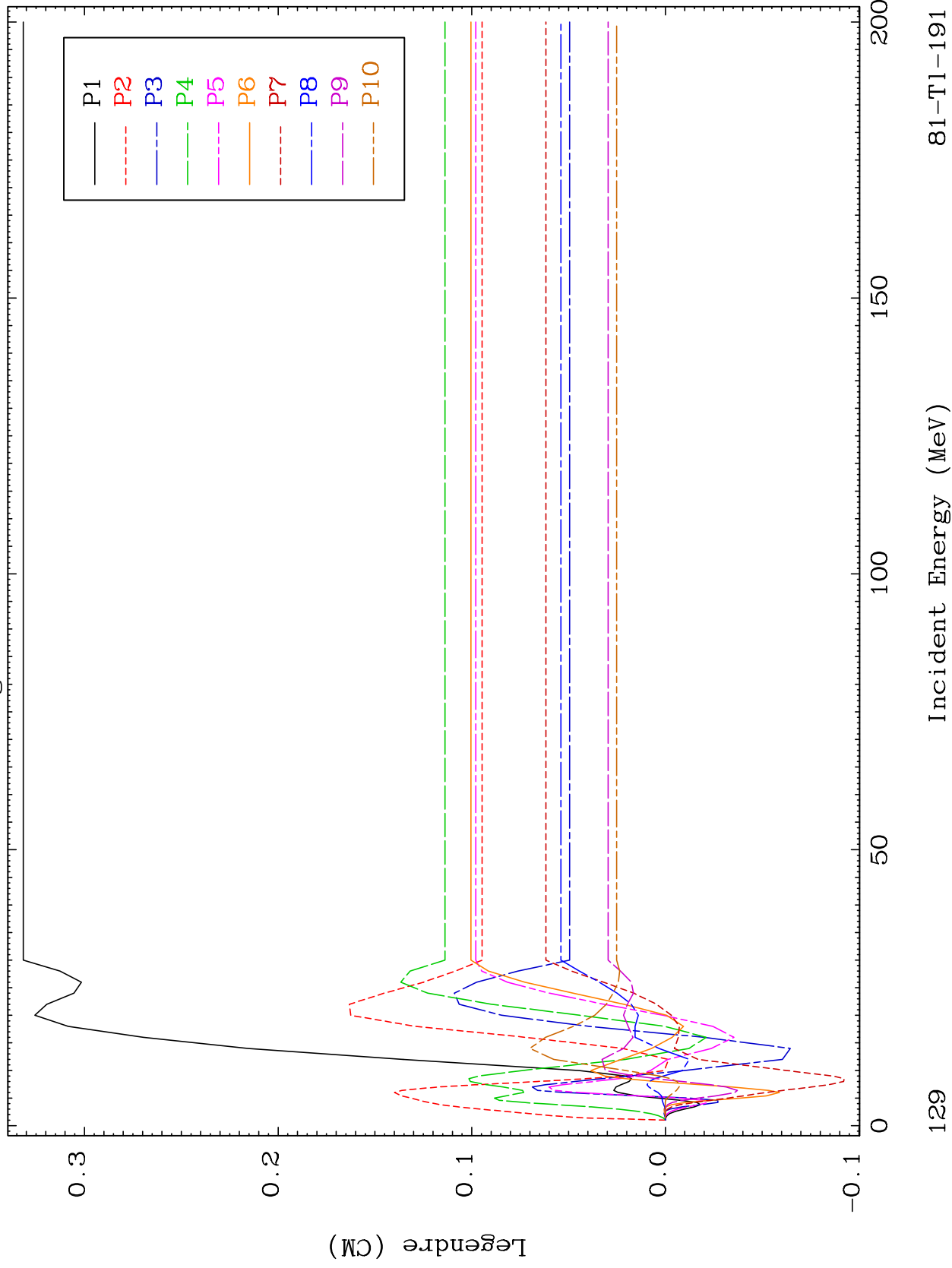
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



81-Tl-191

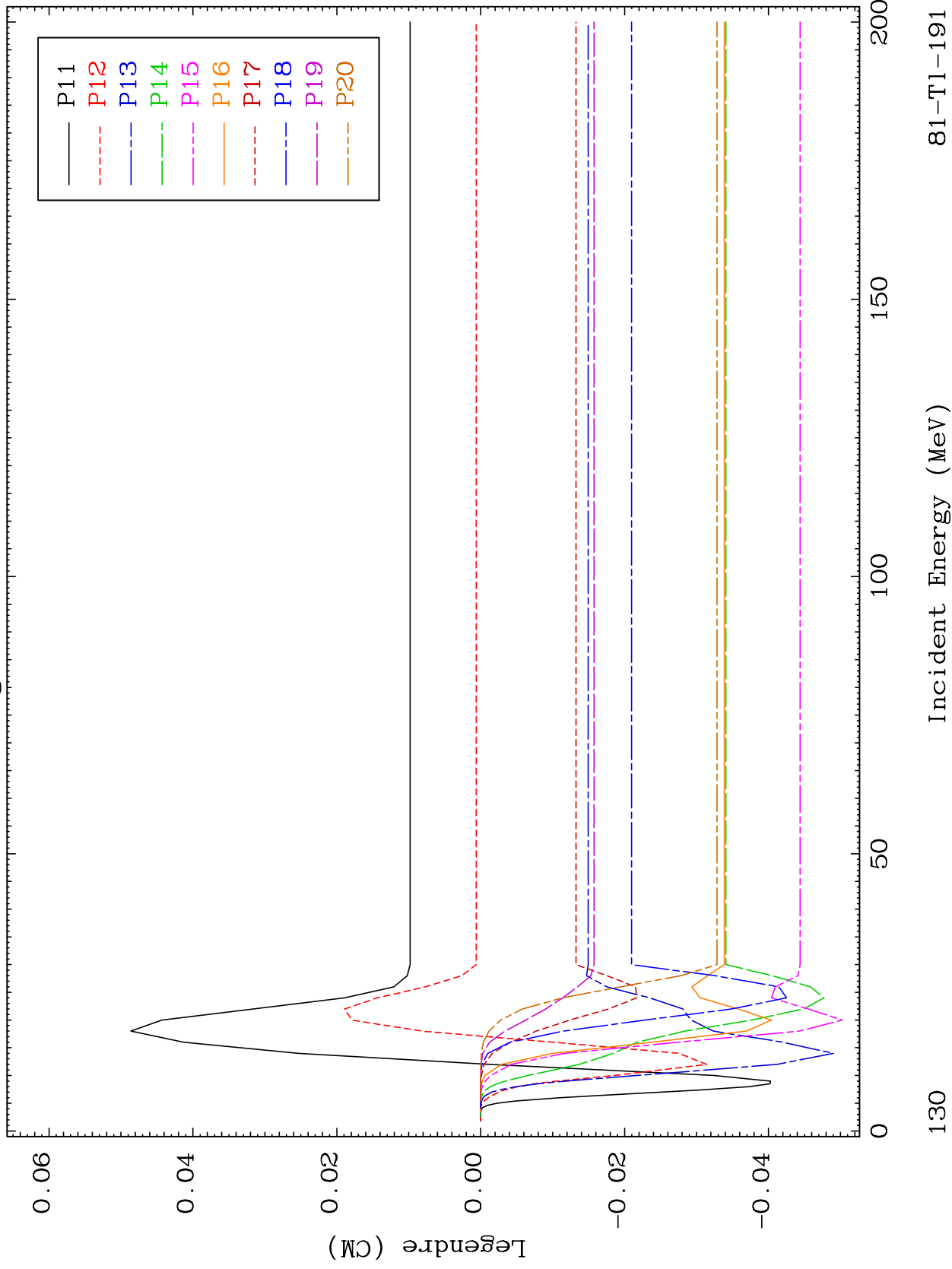
Incident Energy (MeV)

129

MAT 8089

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

81-Tl-191



81-Tl-191

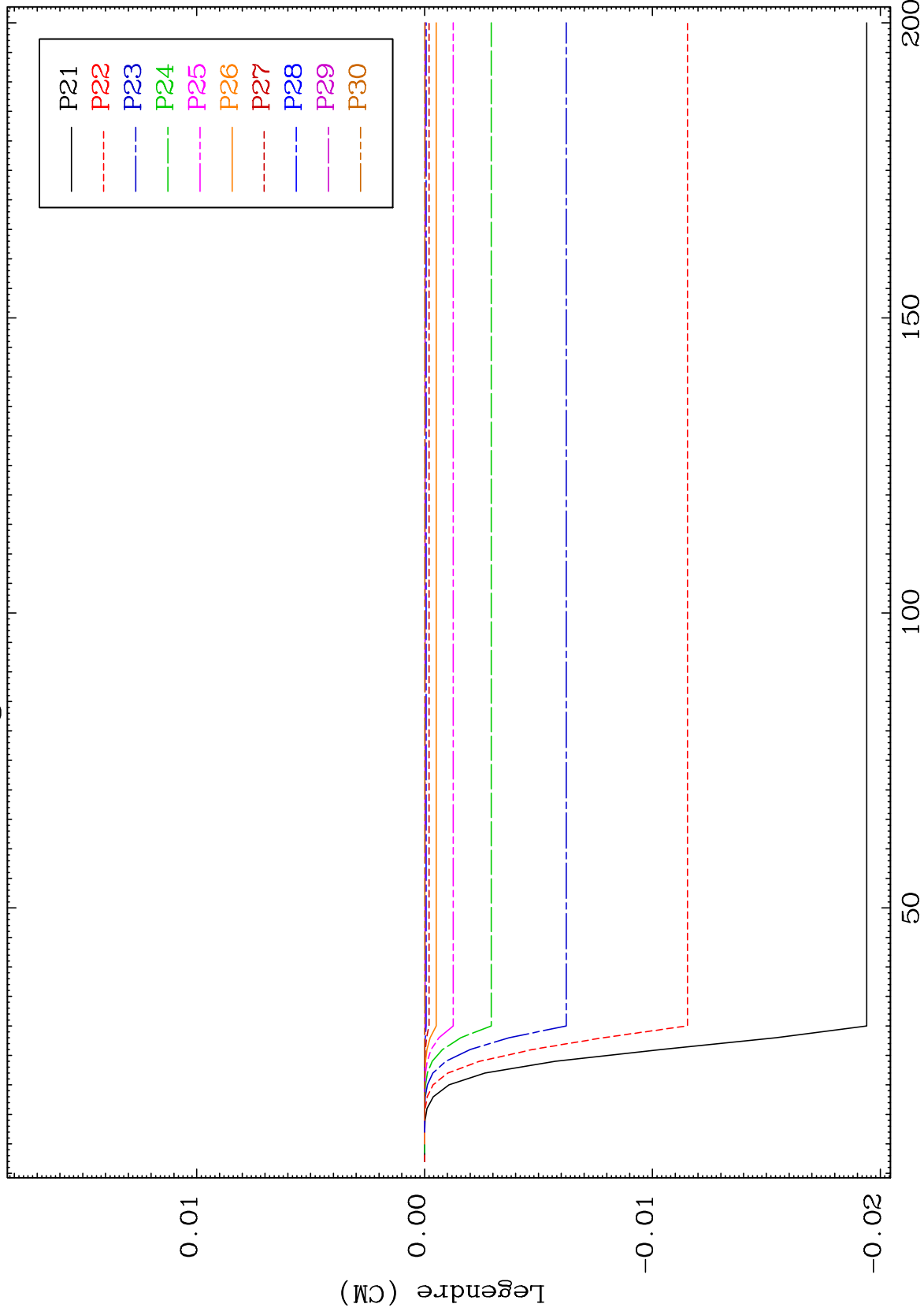
Incident Energy (MeV)

130

MAT 8089

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

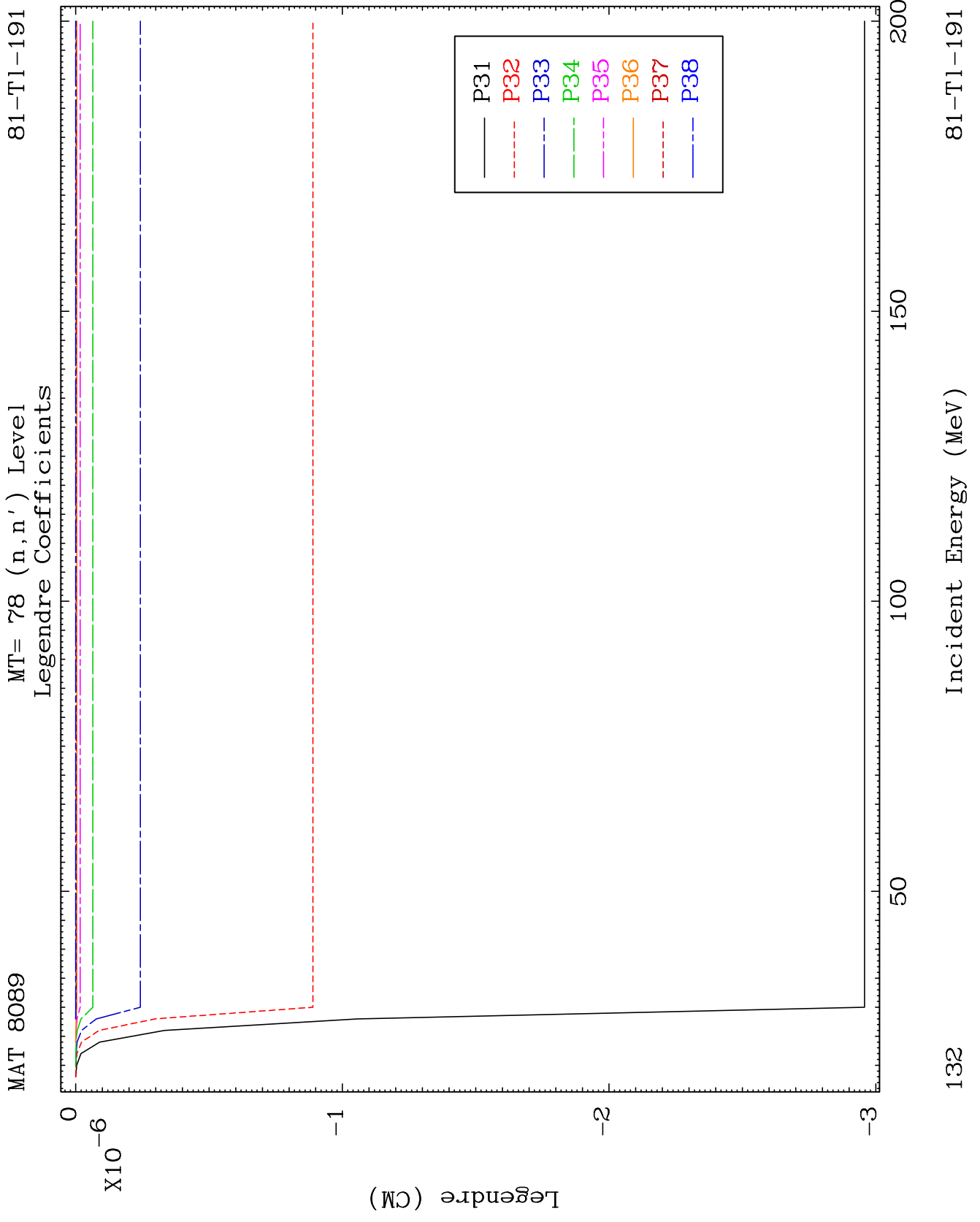
81-Tl-191



131

Incident Energy (MeV)

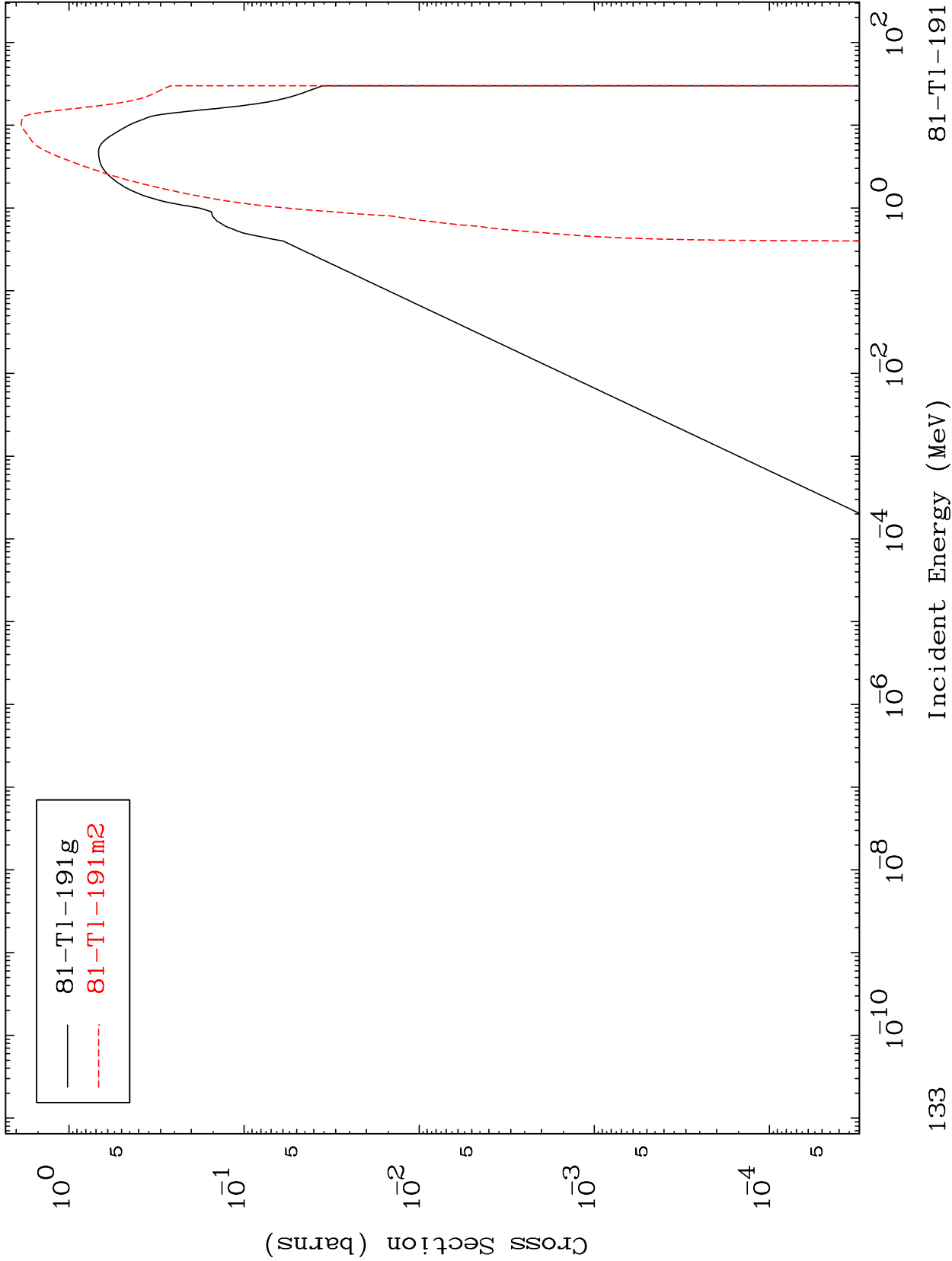
81-Tl-191



MAT 8089

Inelastic  
Radionuclide Production Cross Section

81-Tl-191

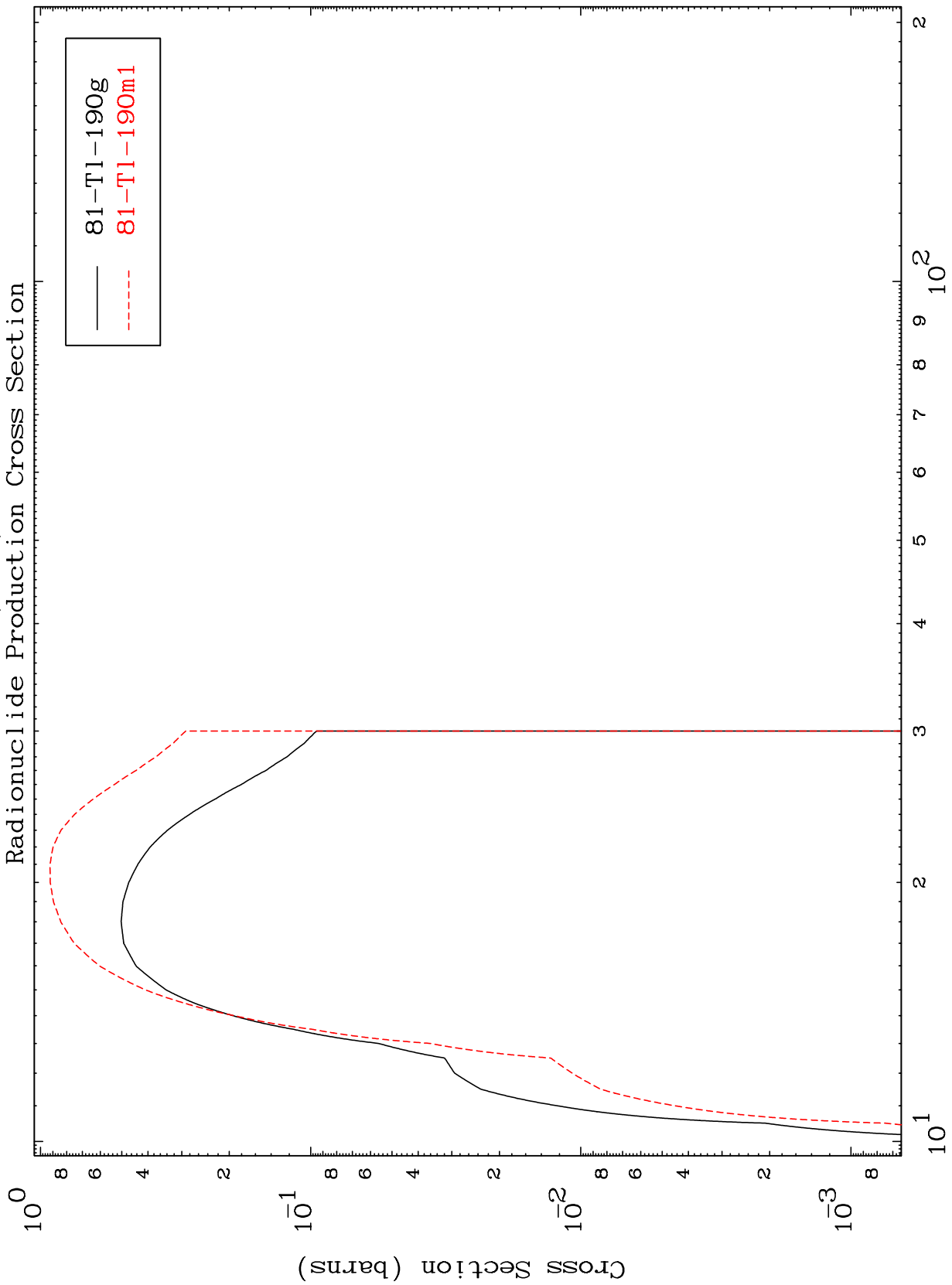


81-Tl-191g  
81-Tl-191m2

MAT 8089

81-Tl-191

(n,2n)  
Radionuclide Production Cross Section



81-Tl-191

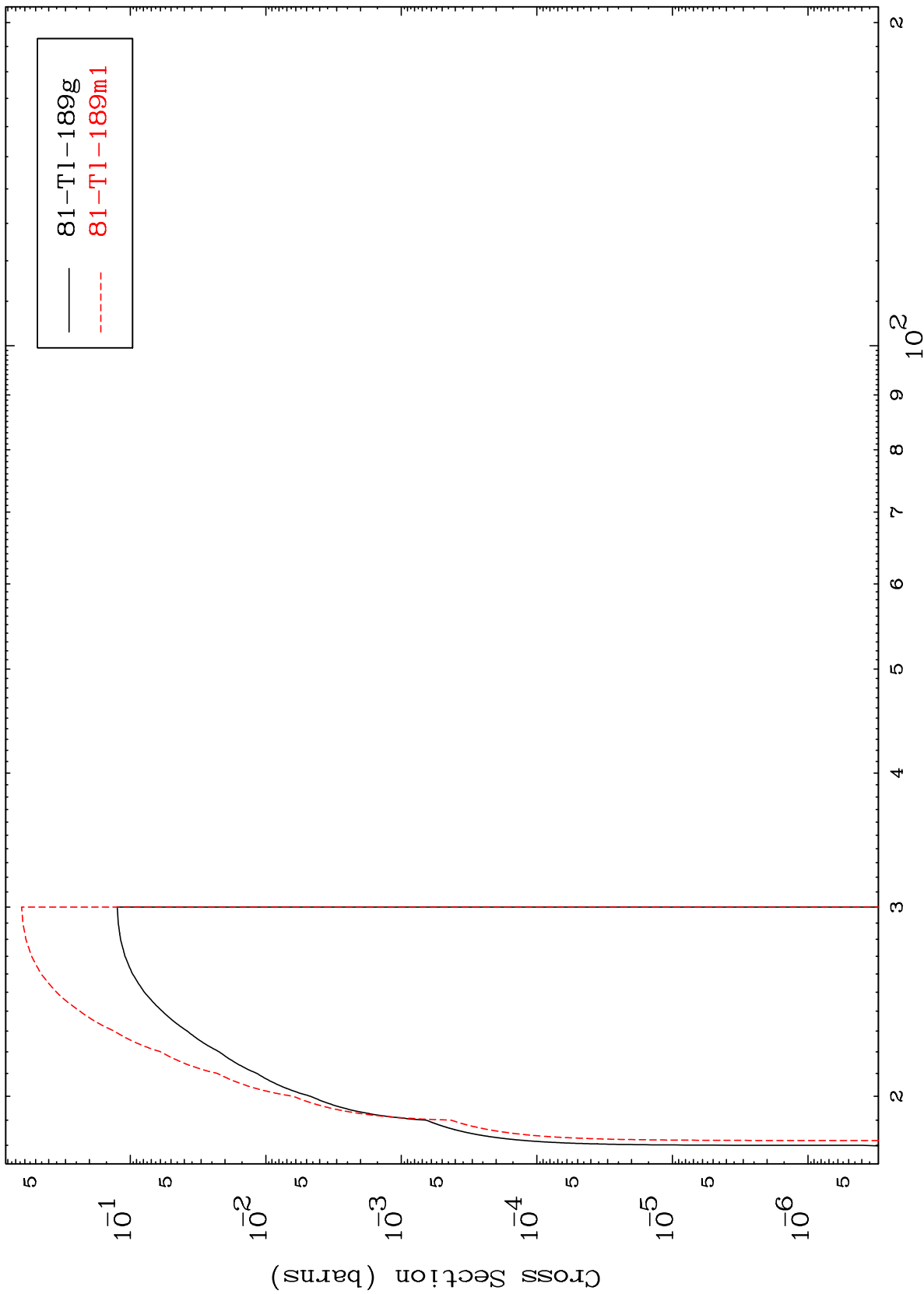
Incident Energy (MeV)

134

MAT 8089

81-Tl-191

(n,3n)  
Radionuclide Production Cross Section



135

Incident Energy (MeV)

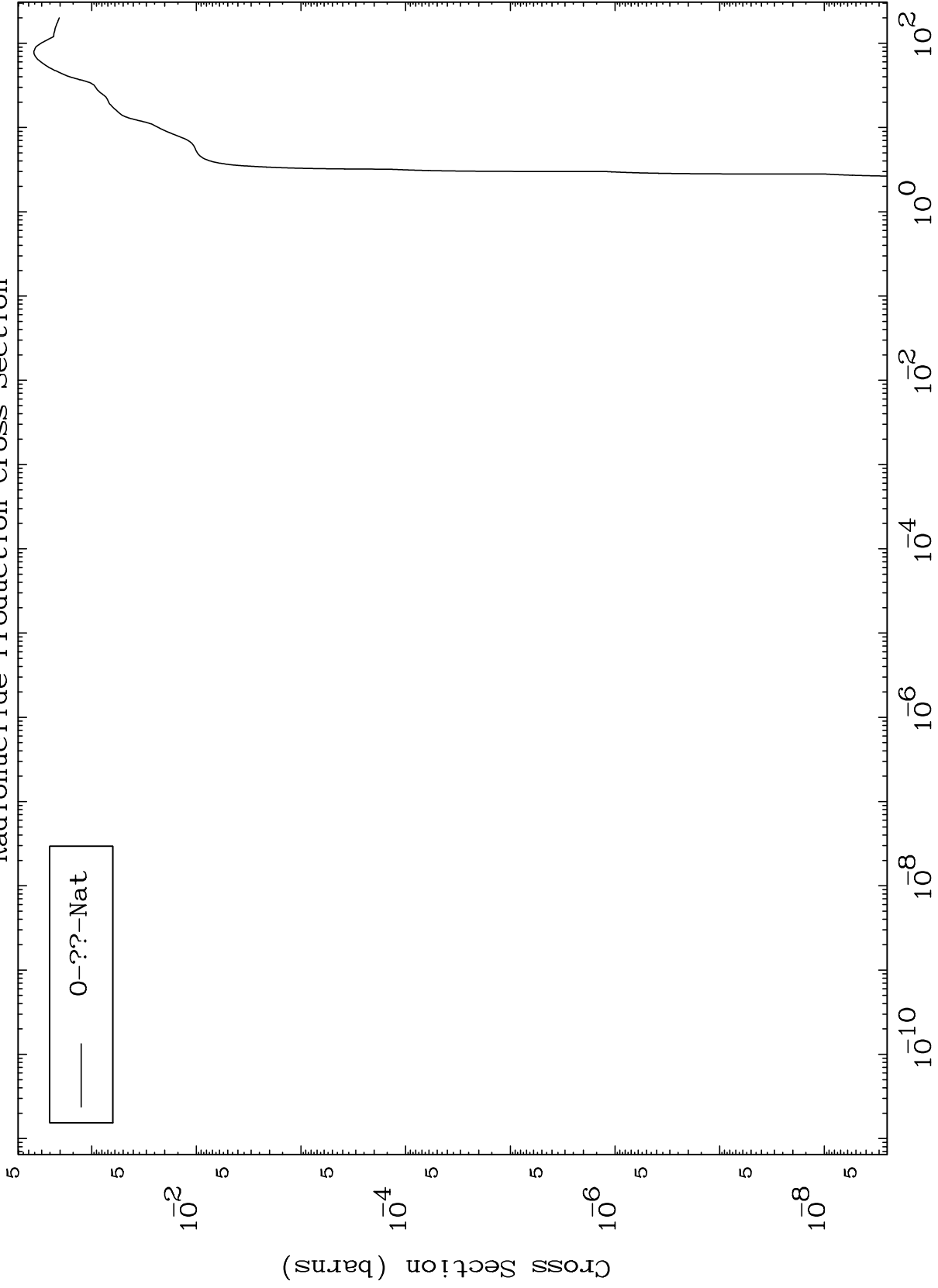
81-Tl-191

MAT 8089

Fission

81-Tl-191

Radionuclide Production Cross Section



136

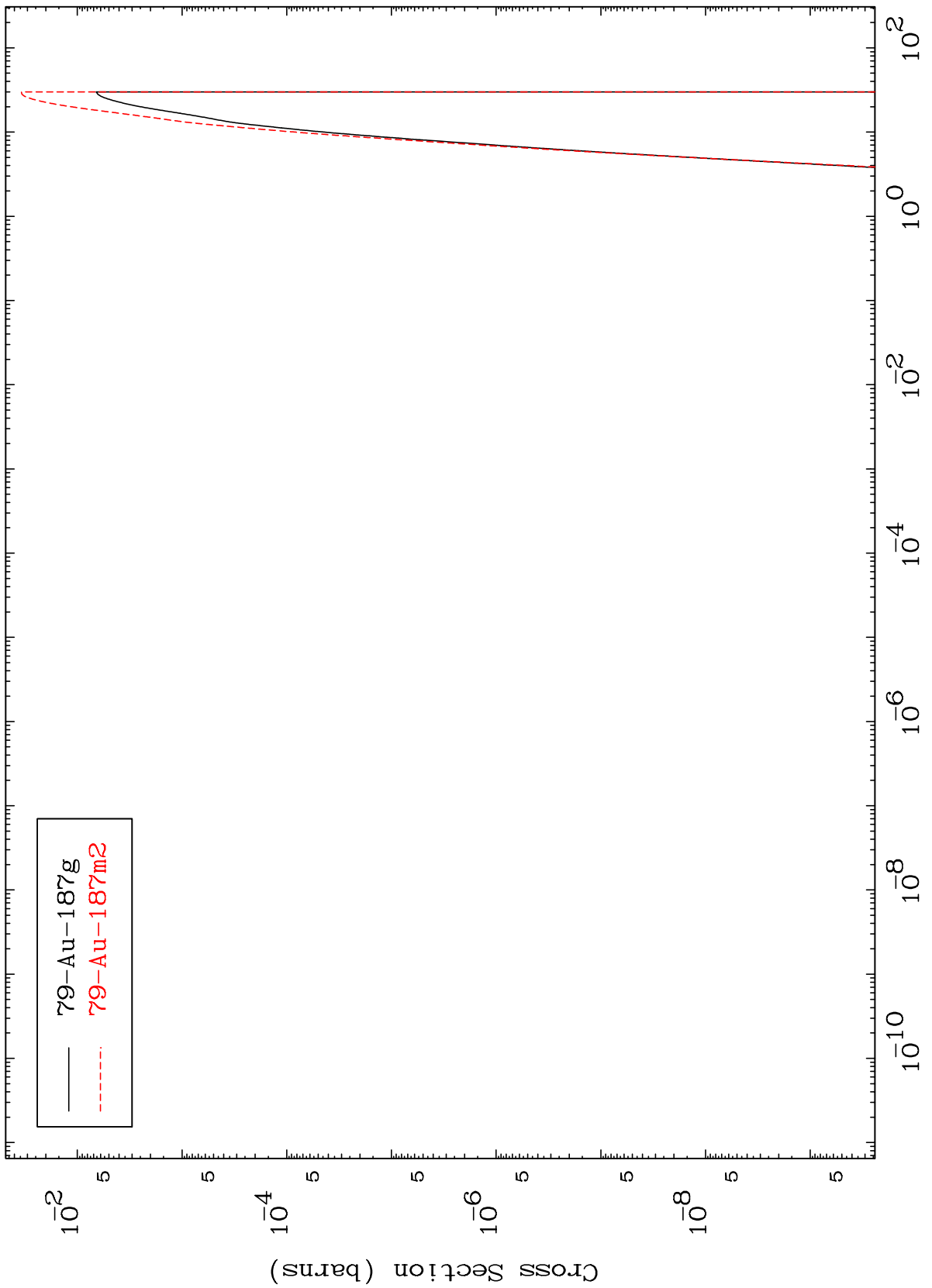
81-Tl-191

MAT 8089

$(n, n') \alpha$

81-Tl-191

Radionuclide Production Cross Section



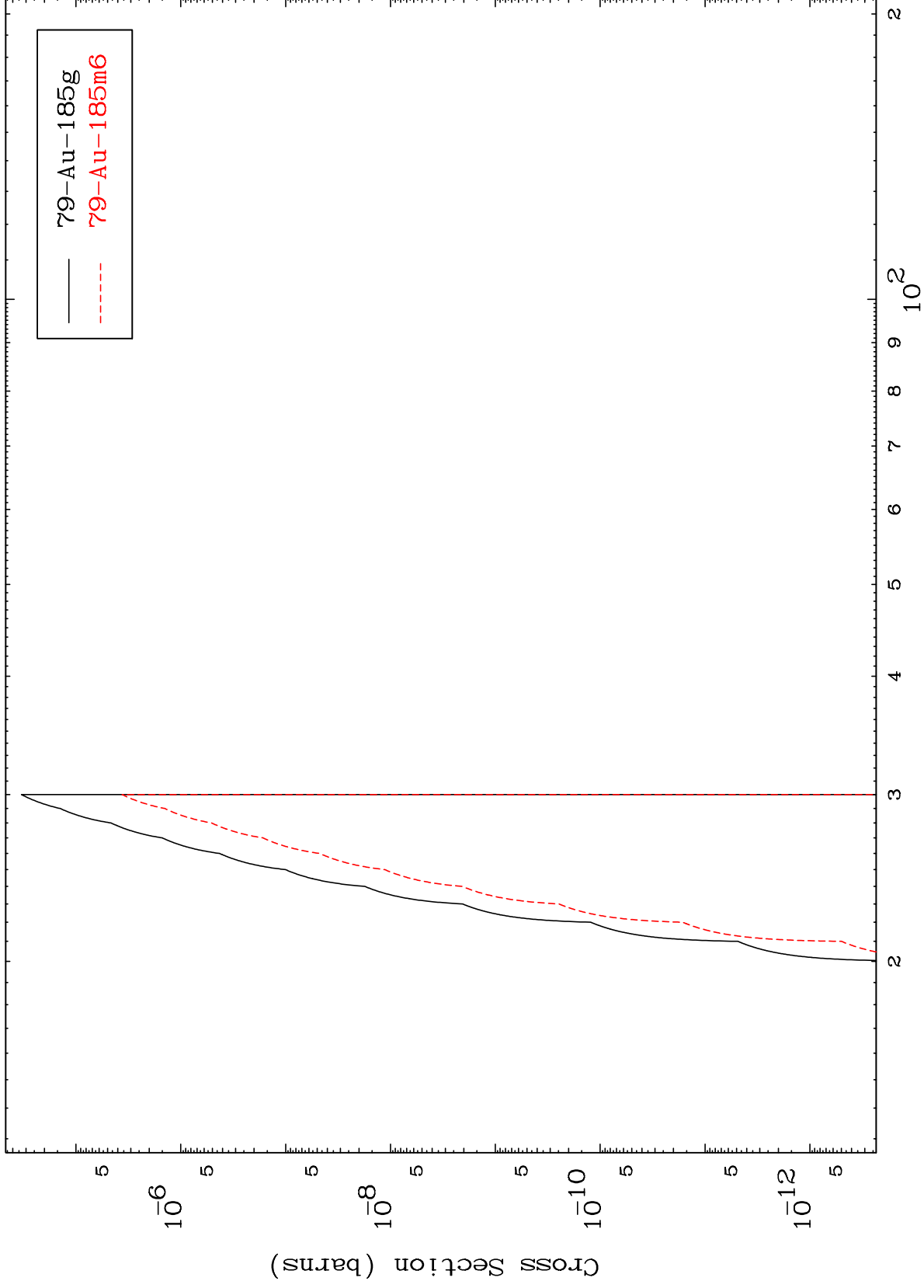
—  $^{79}\text{Au-187g}$   
- - -  $^{79}\text{Au-187m2}$

137

Incident Energy (MeV)

81-Tl-191

Radionuclide Production Cross Section

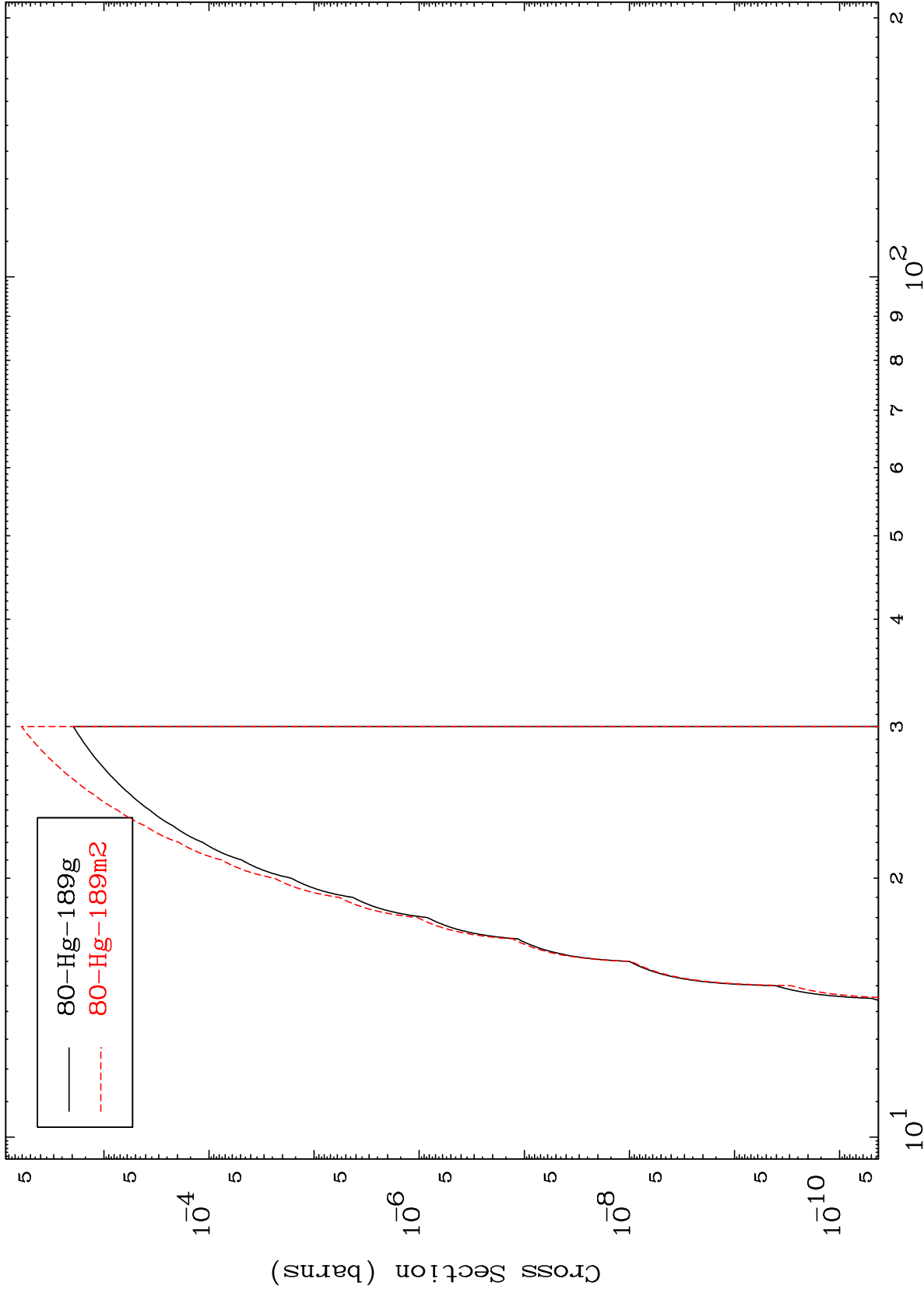


MAT 8089

(n,n') d

81-Tl-191

Radionuclide Production Cross Section



139

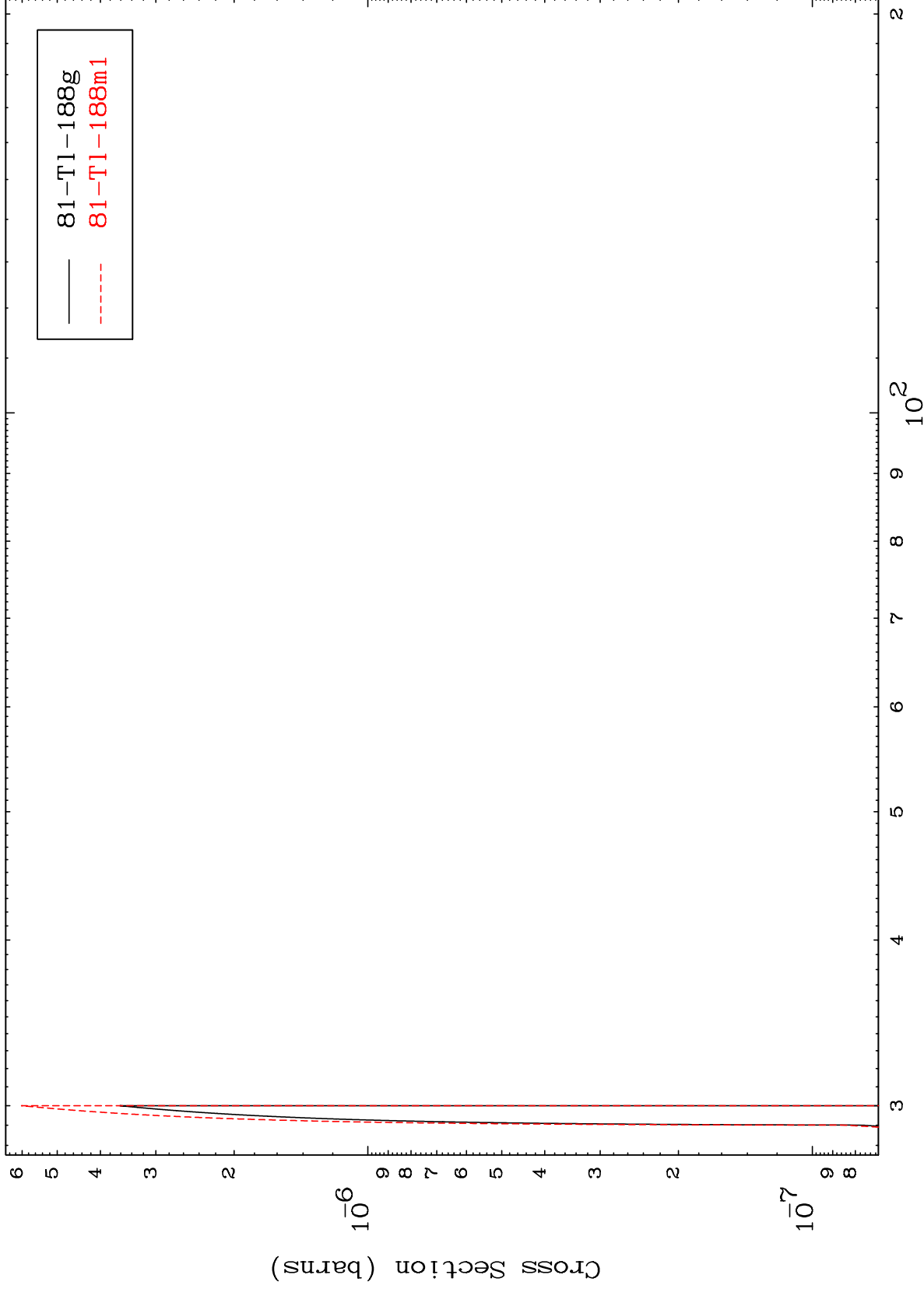
Incident Energy (MeV)

81-Tl-191

MAT 8089

81-Tl-191

(n,4n)  
Radionuclide Production Cross Section



140

81-Tl-191

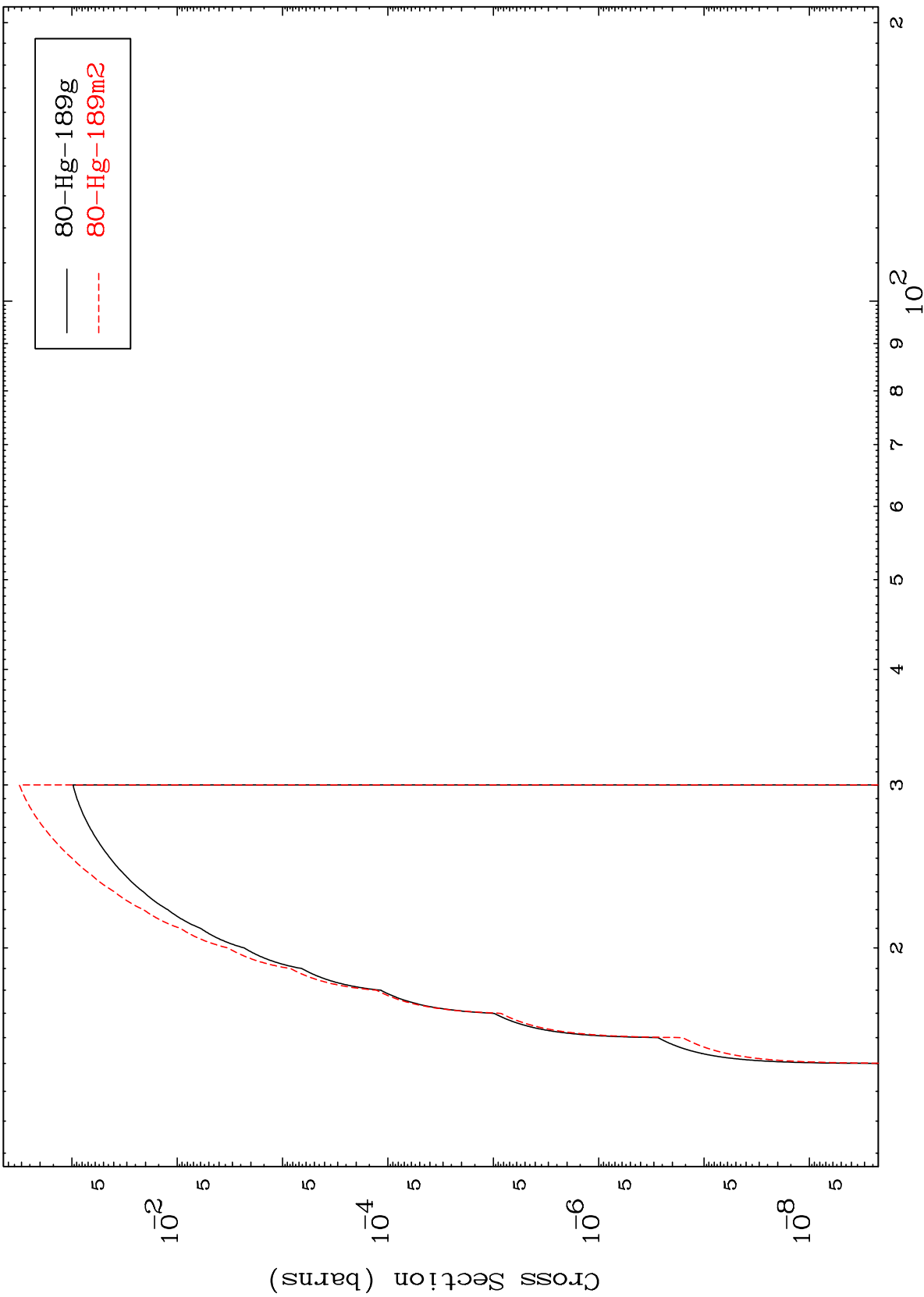
Incident Energy (MeV)

MAT 8089

(n,2n) p

81-Tl-191

Radionuclide Production Cross Section



141

Incident Energy (MeV)

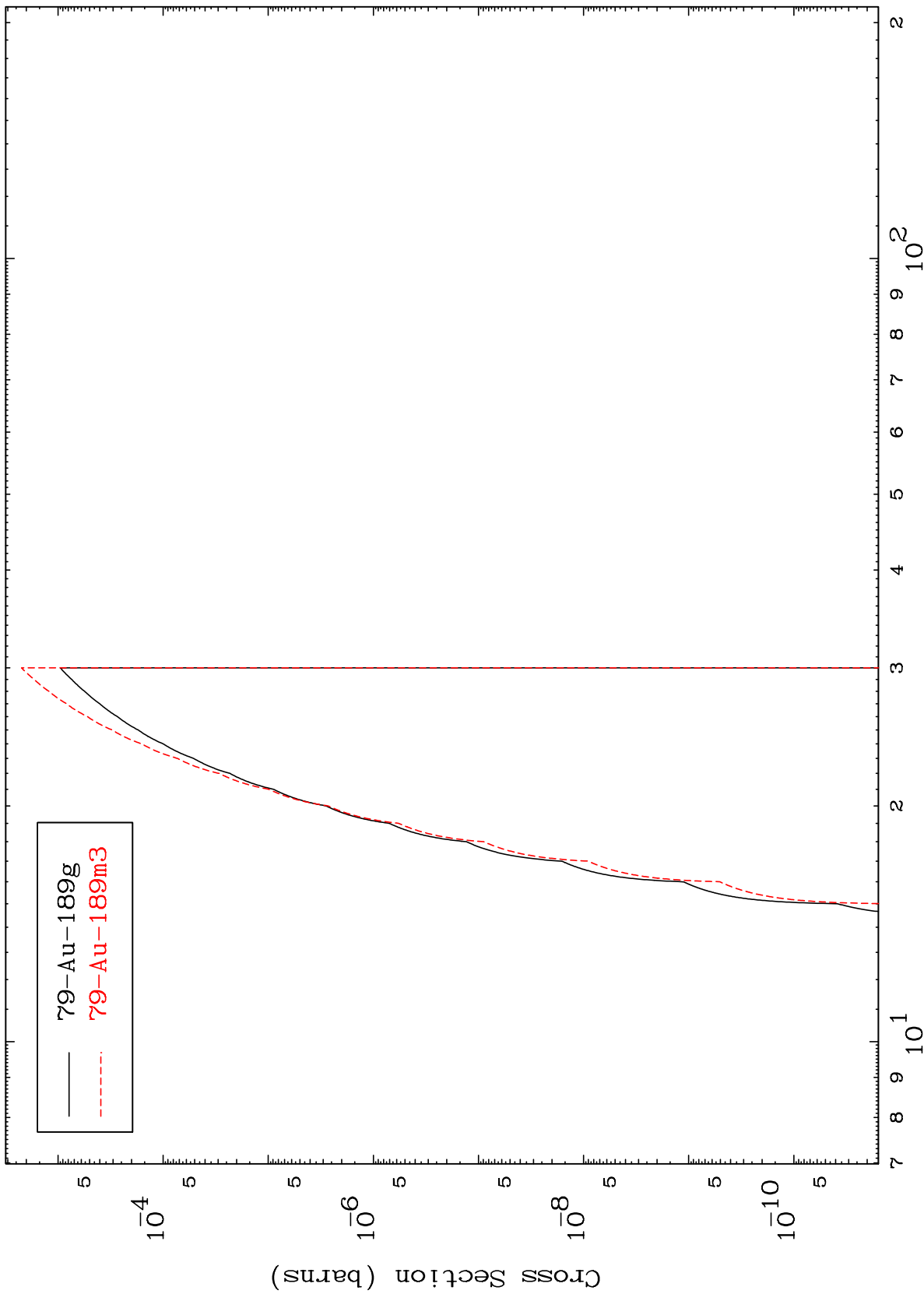
81-Tl-191

MAT 8089

(n,2n) p

81-Tl-191

Radionuclide Production Cross Section



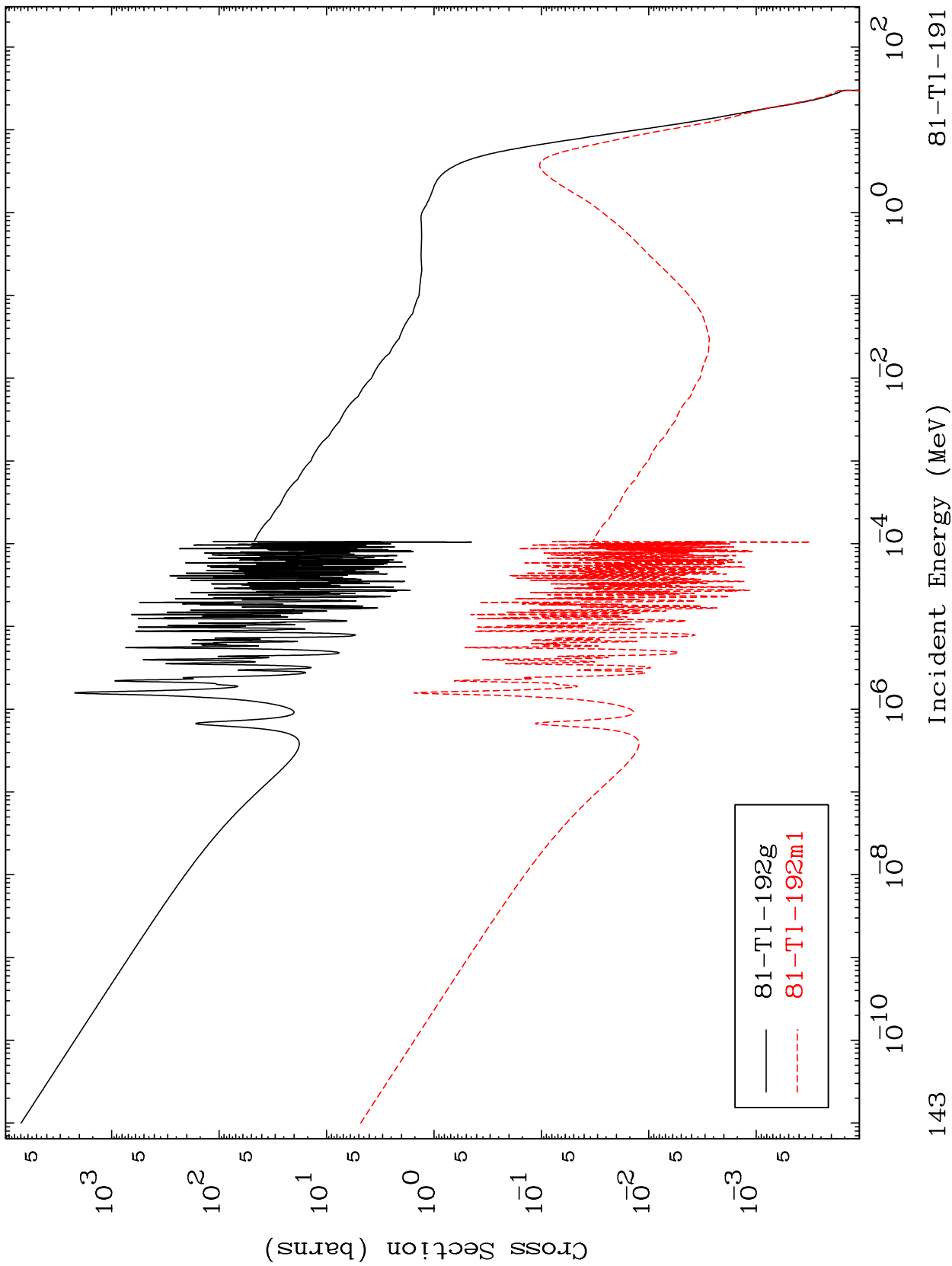
79-Au-189g  
79-Au-189m3

142

Incident Energy (MeV)

81-Tl-191

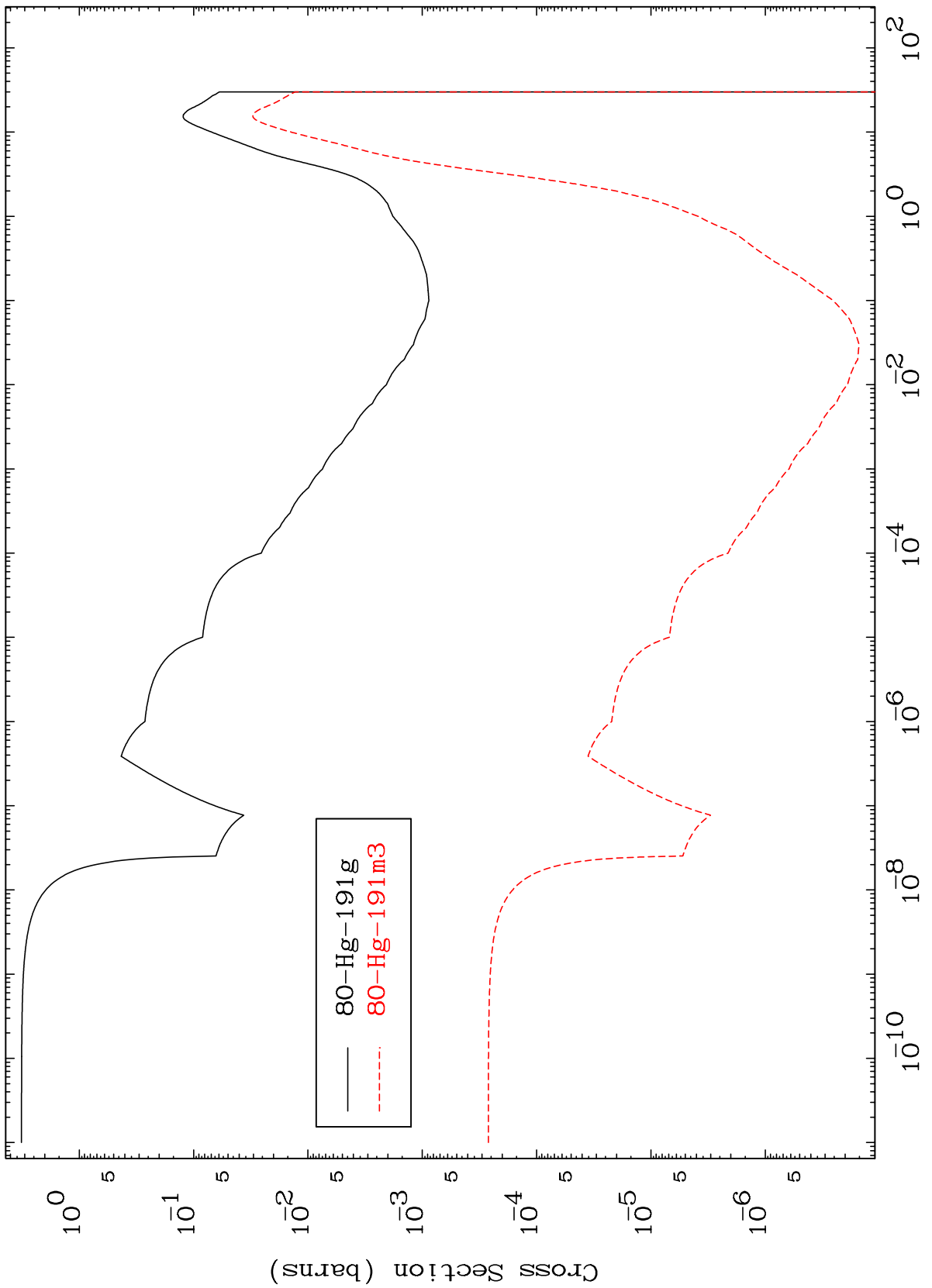
(n,  $\gamma$ )  
Radionuclide Production Cross Section



MAT 8089

81-Tl-191

(n,p)  
Radionuclide Production Cross Section

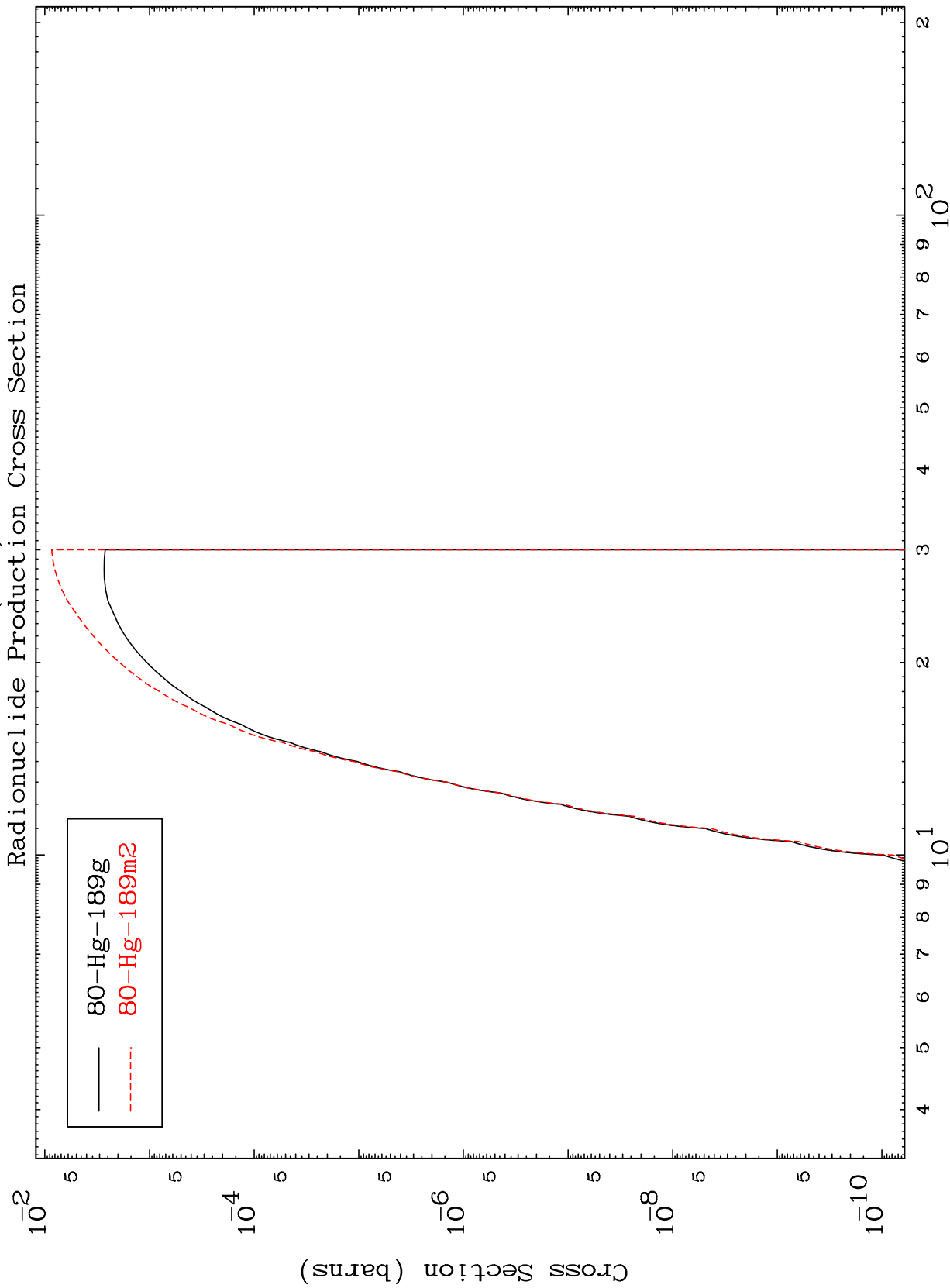


144

81-Tl-191

MAT 8089

81-Tl-191



145

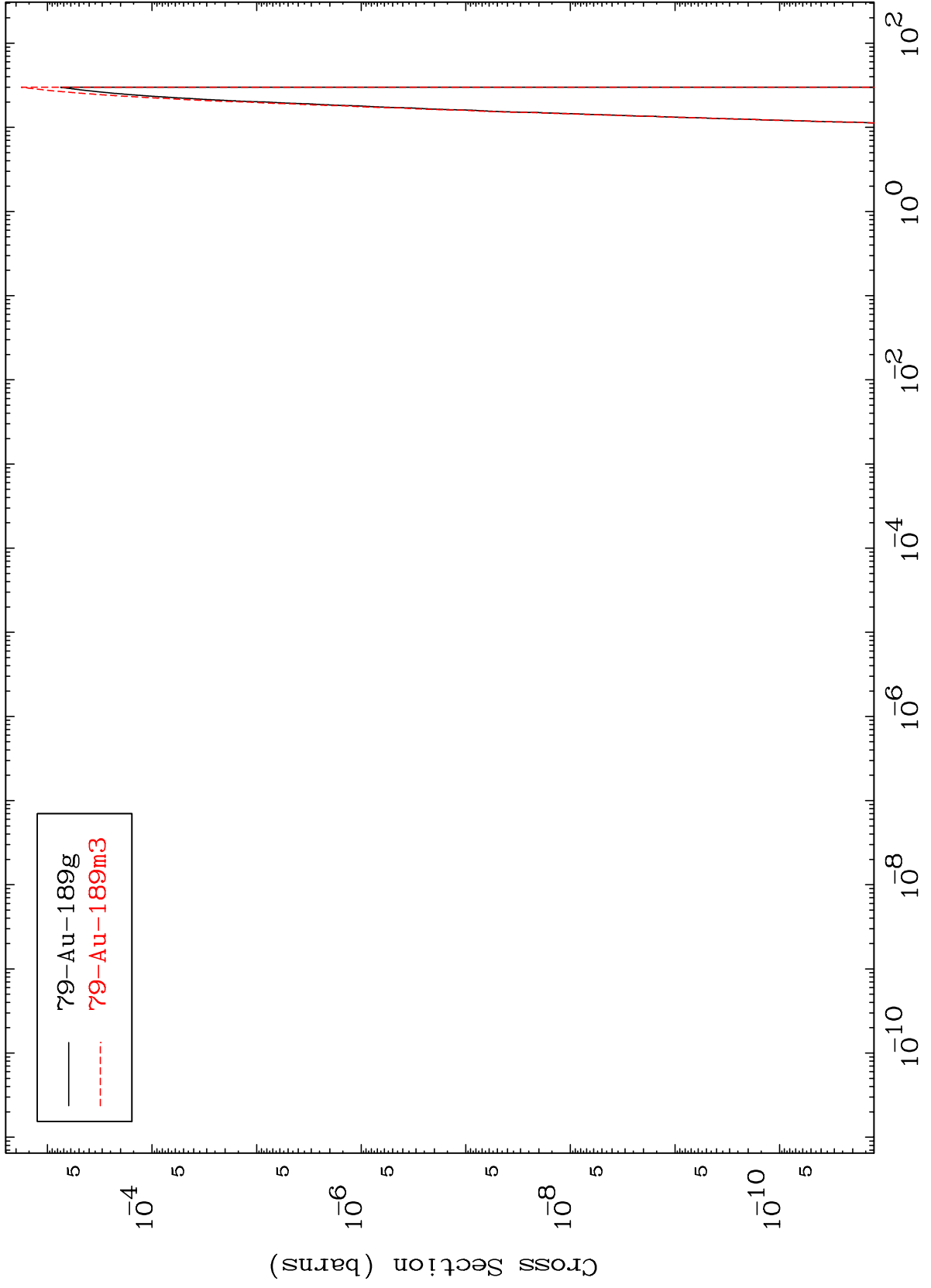
81-Tl-191

MAT 8089

(n,He-3)

81-Tl-191

Radionuclide Production Cross Section



146

Incident Energy (MeV)

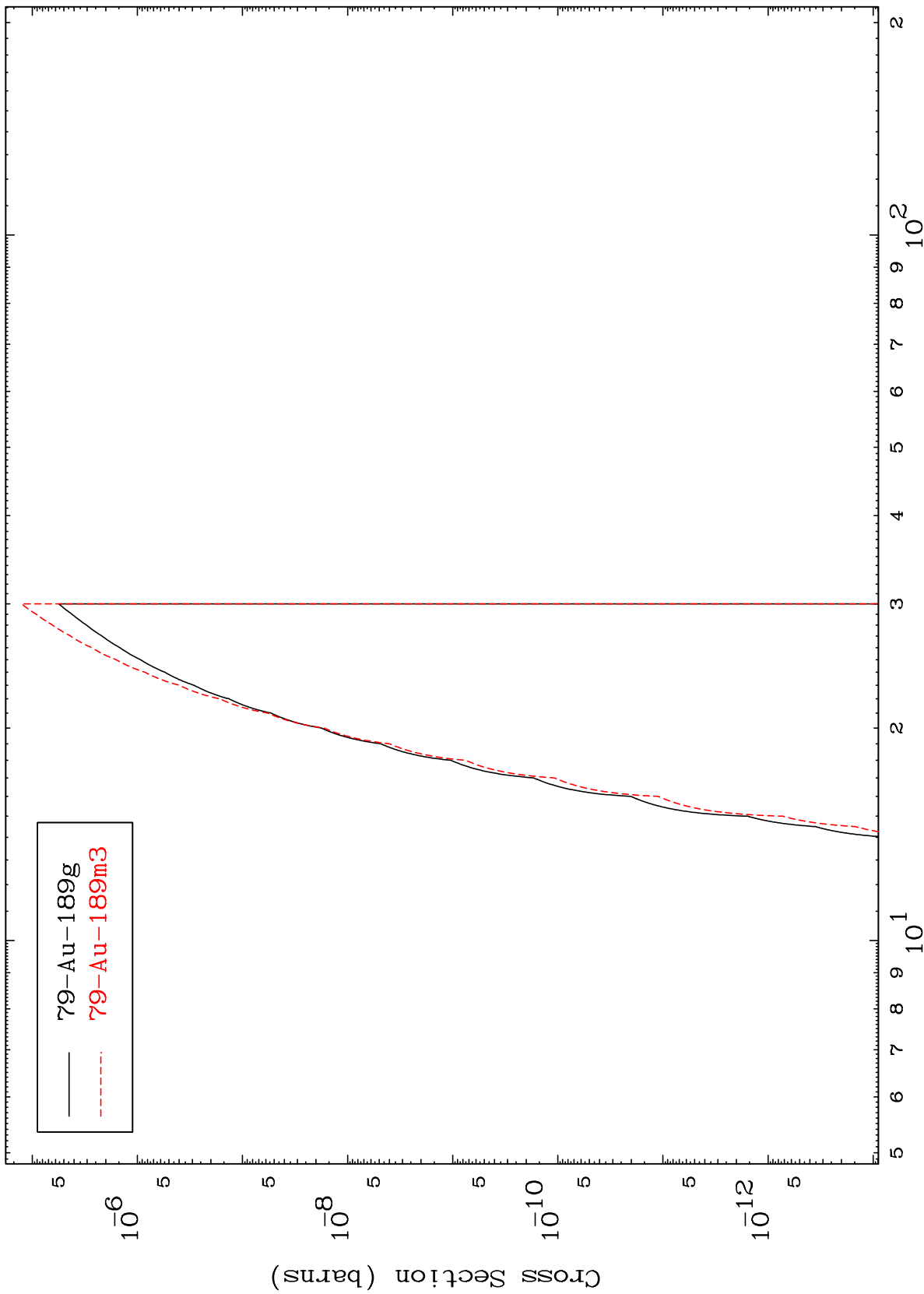
81-Tl-191

MAT 8089

(n,p) d

81-Tl-191

Radionuclide Production Cross Section



147

Incident Energy (MeV)

81-Tl-191