

Program EVALPLOT  
(Version 2017-1)

by

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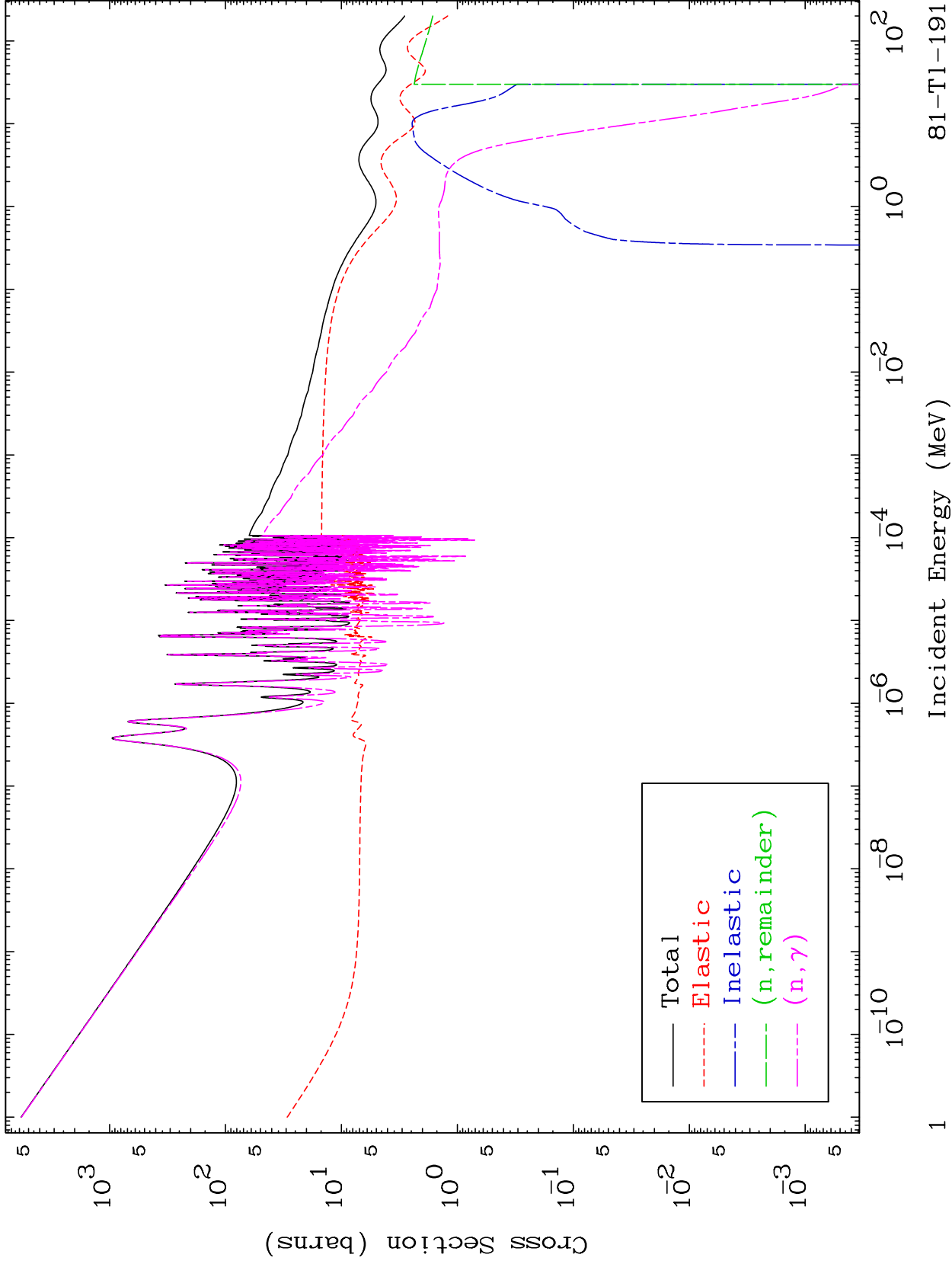
Press Mouse Button to Start

MAT 8089

Major

293 Kelvin Cross Sections

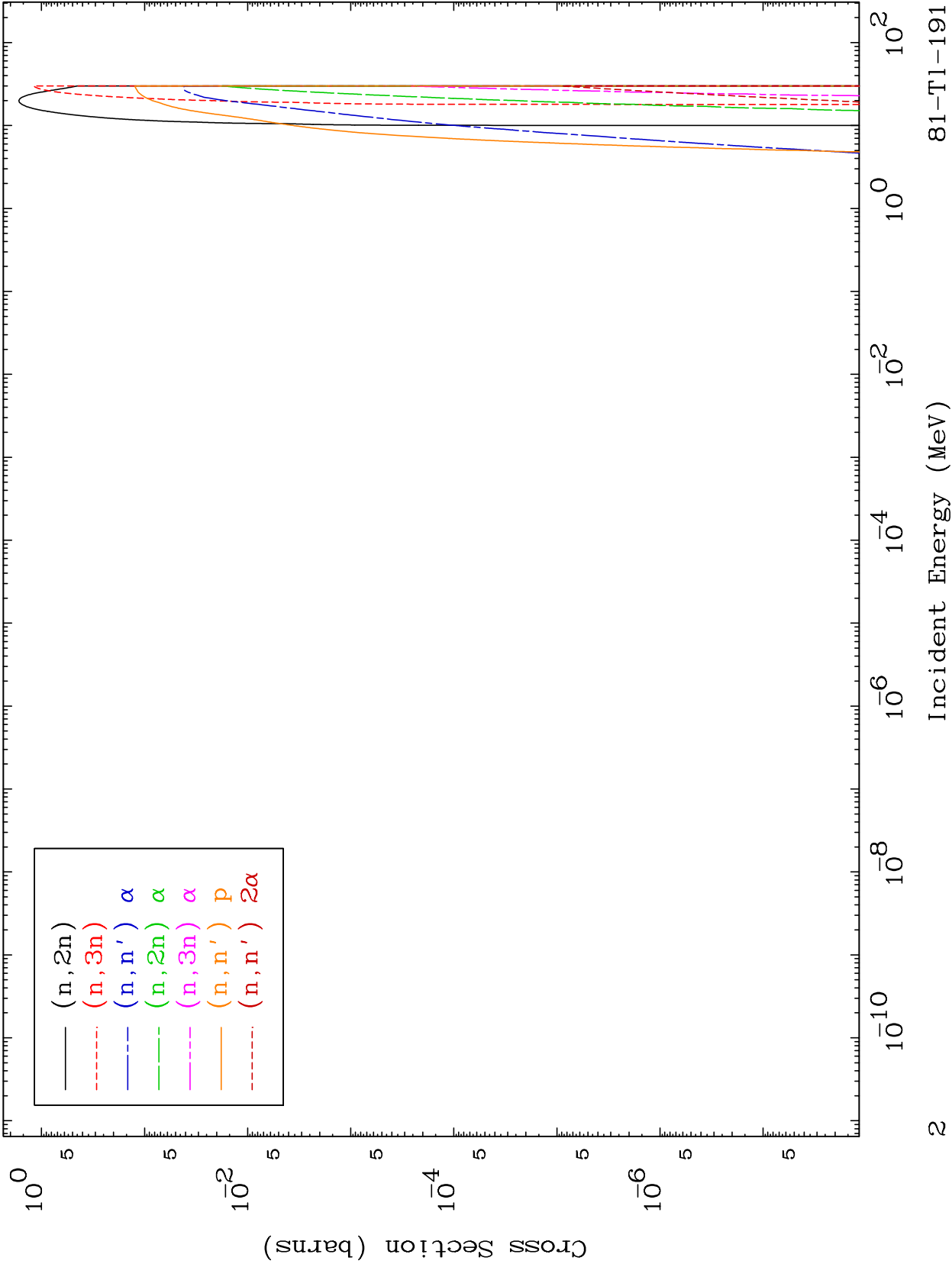
81-Tl-191

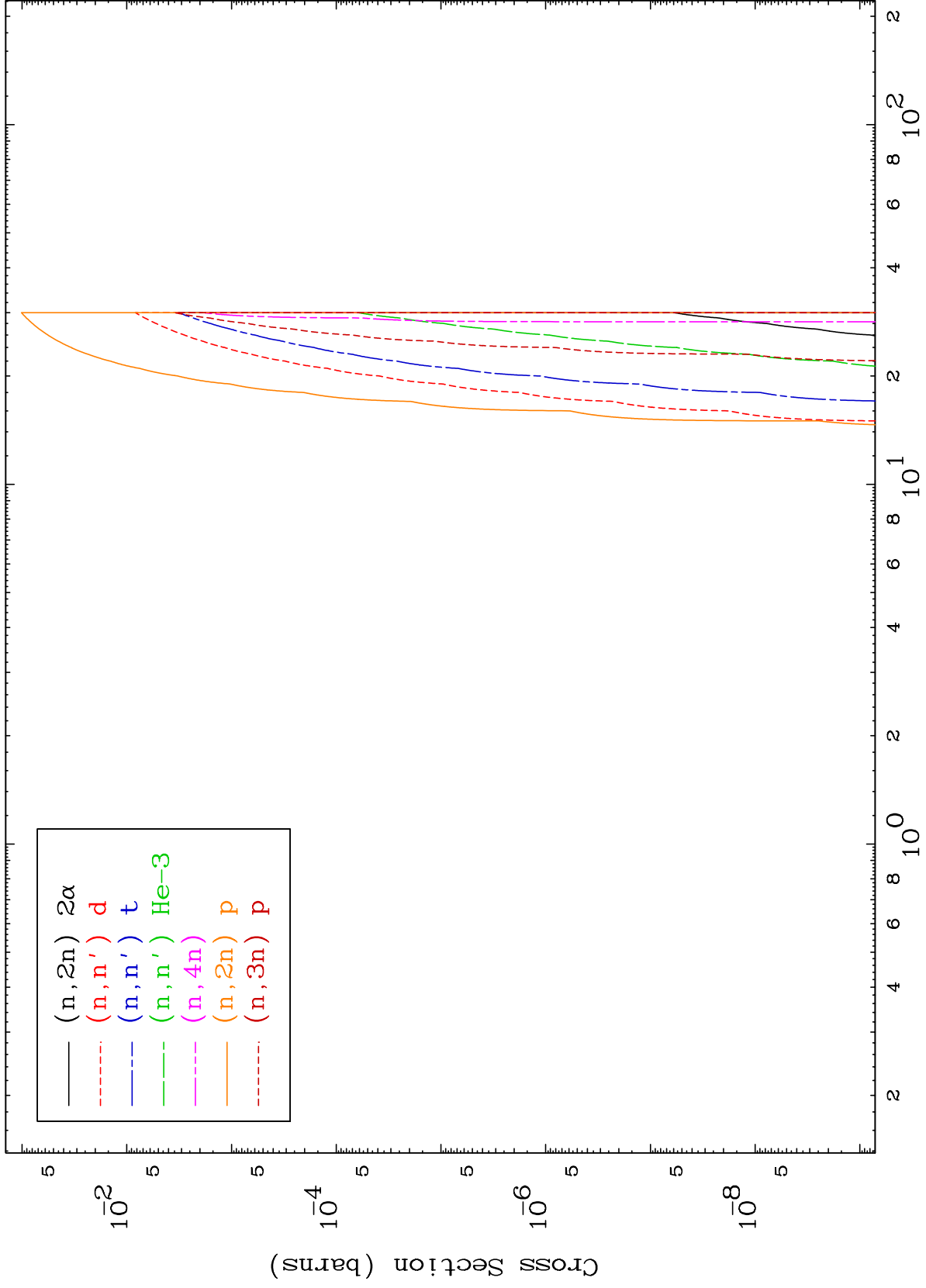


MAT 8089

Neutron Production  
293 Kelvin Cross Sections

81-Tl-191

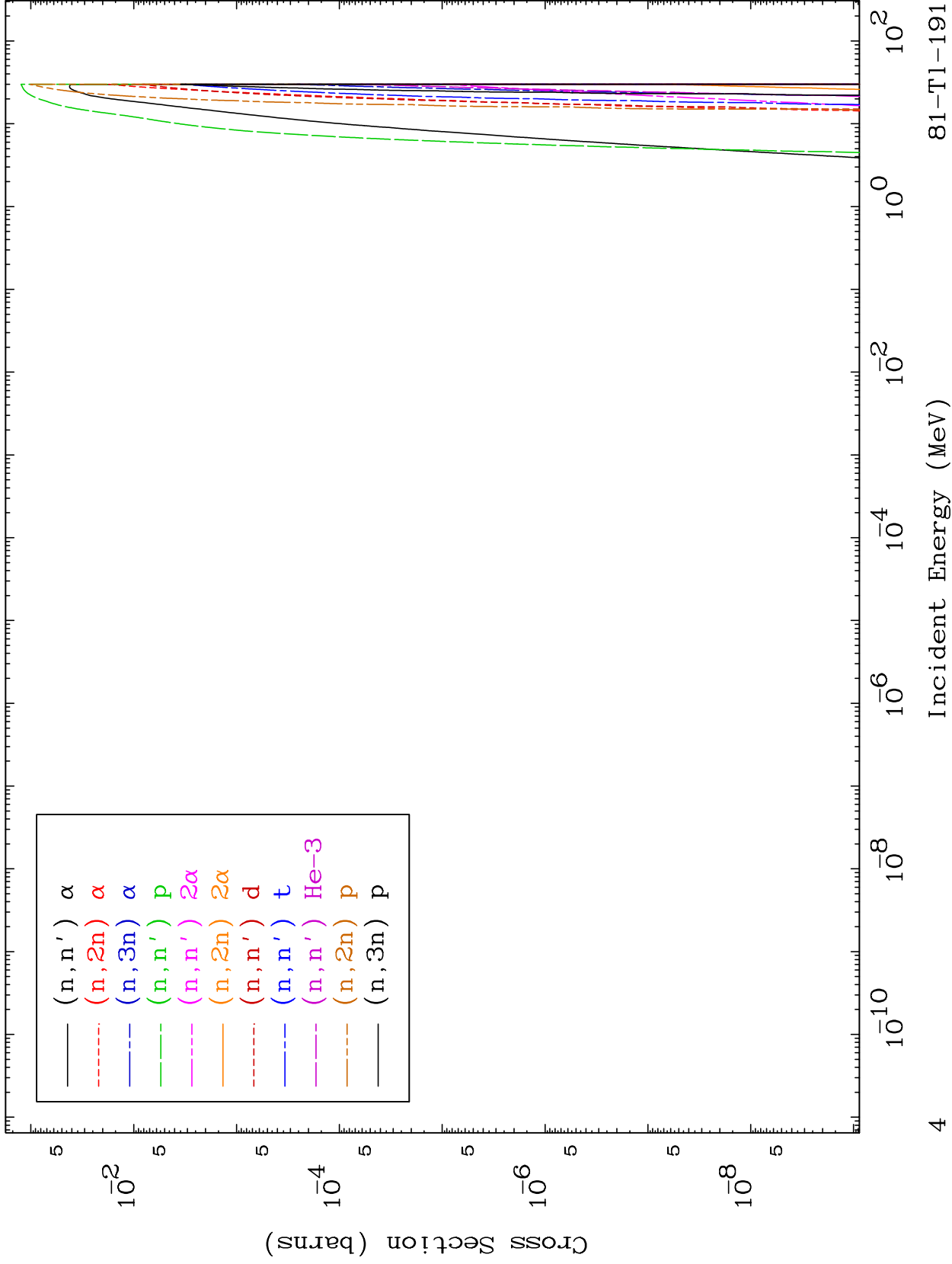




MAT 8089

Charged Particle  
293 Kelvin Cross Sections

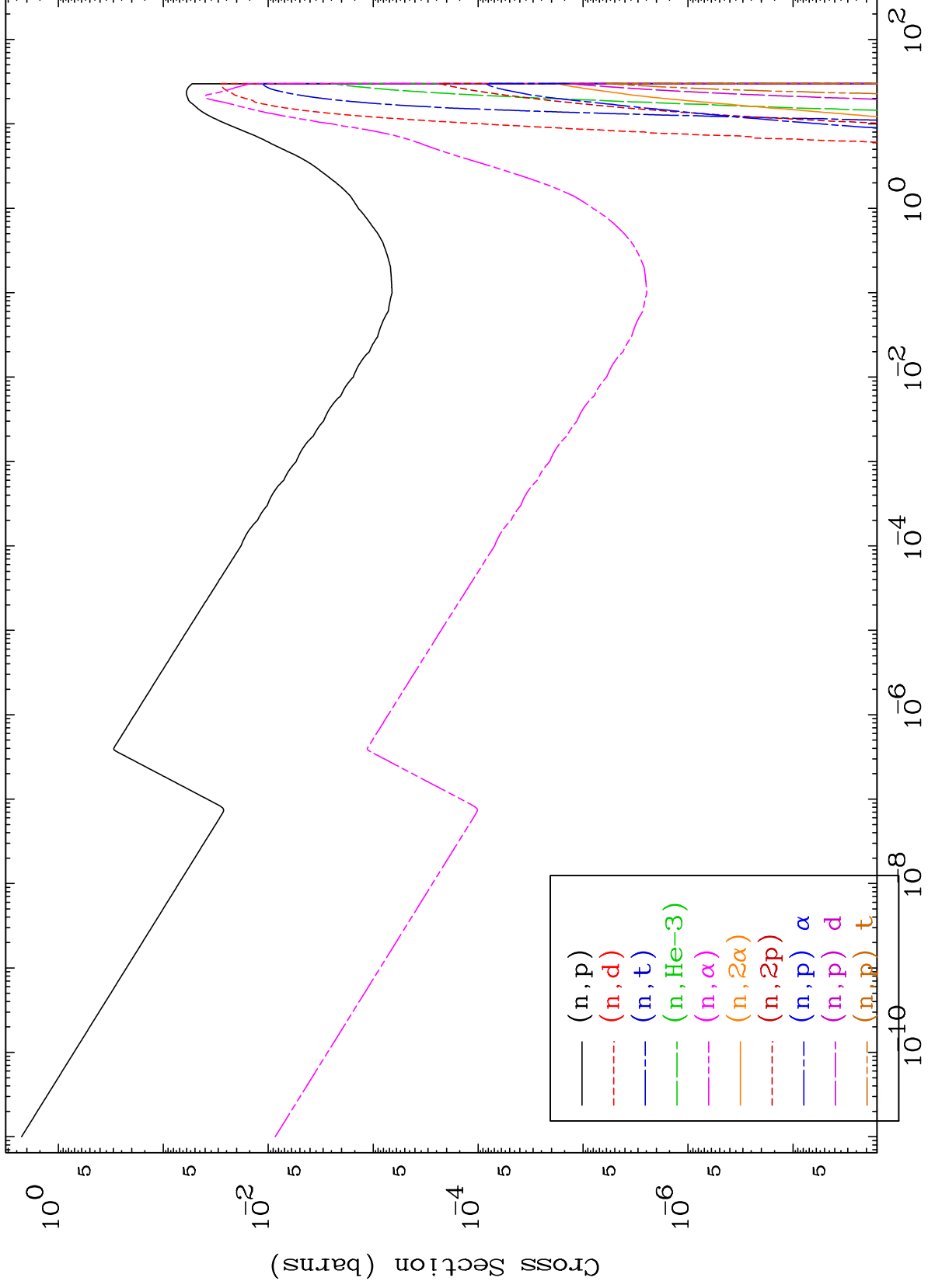
81-Tl-191



MAT 8089

Charged Particle  
293 Kelvin Cross Sections

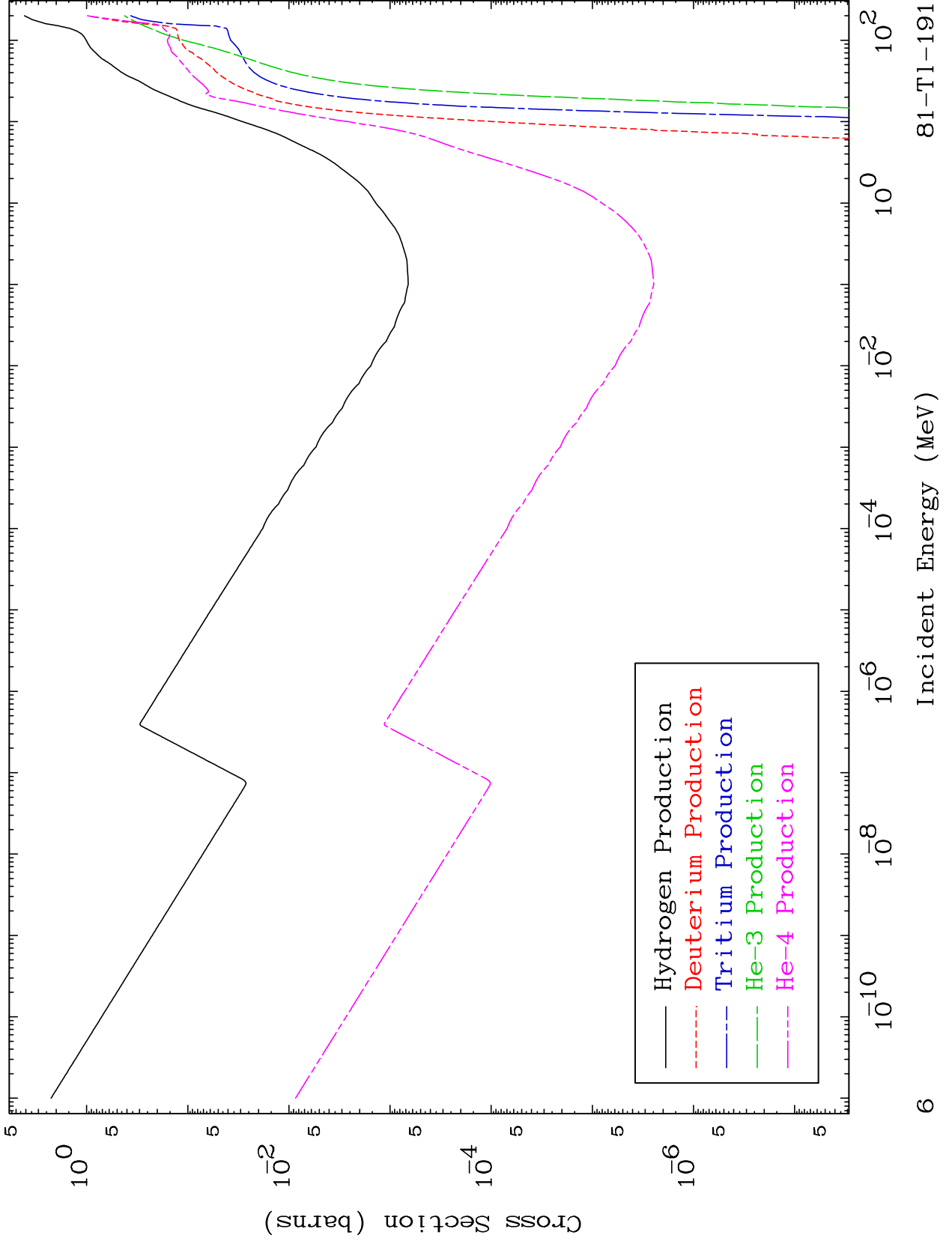
81-Tl-191



5

Incident Energy (MeV)

81-Tl-191

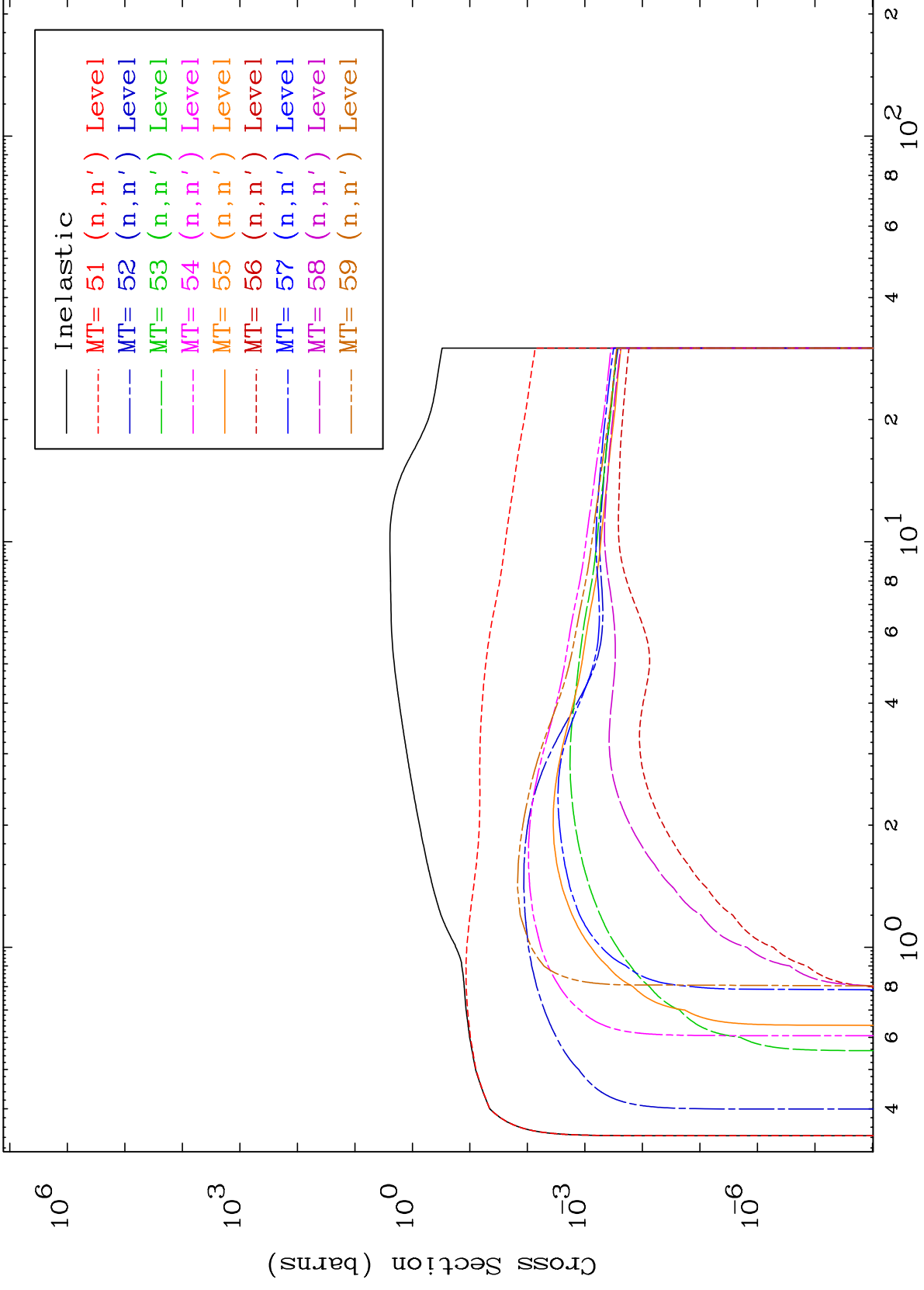


MAT 8089

(n,n') Level

81-Tl-191

293 Kelvin Cross Sections



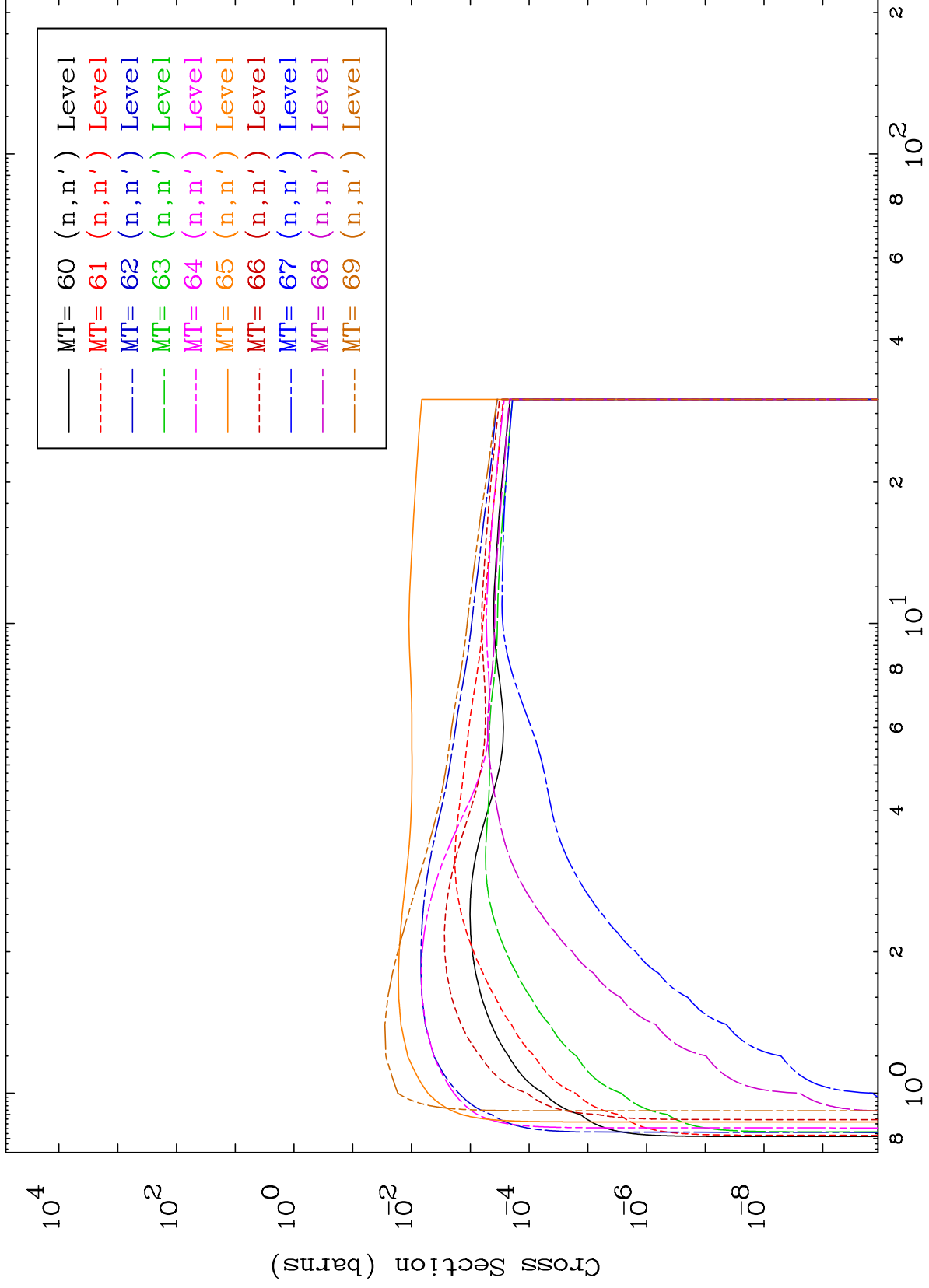


MAT 8089

(n,n') Level

81-Tl-191

293 Kelvin Cross Sections



Incident Energy (MeV)

81-Tl-191

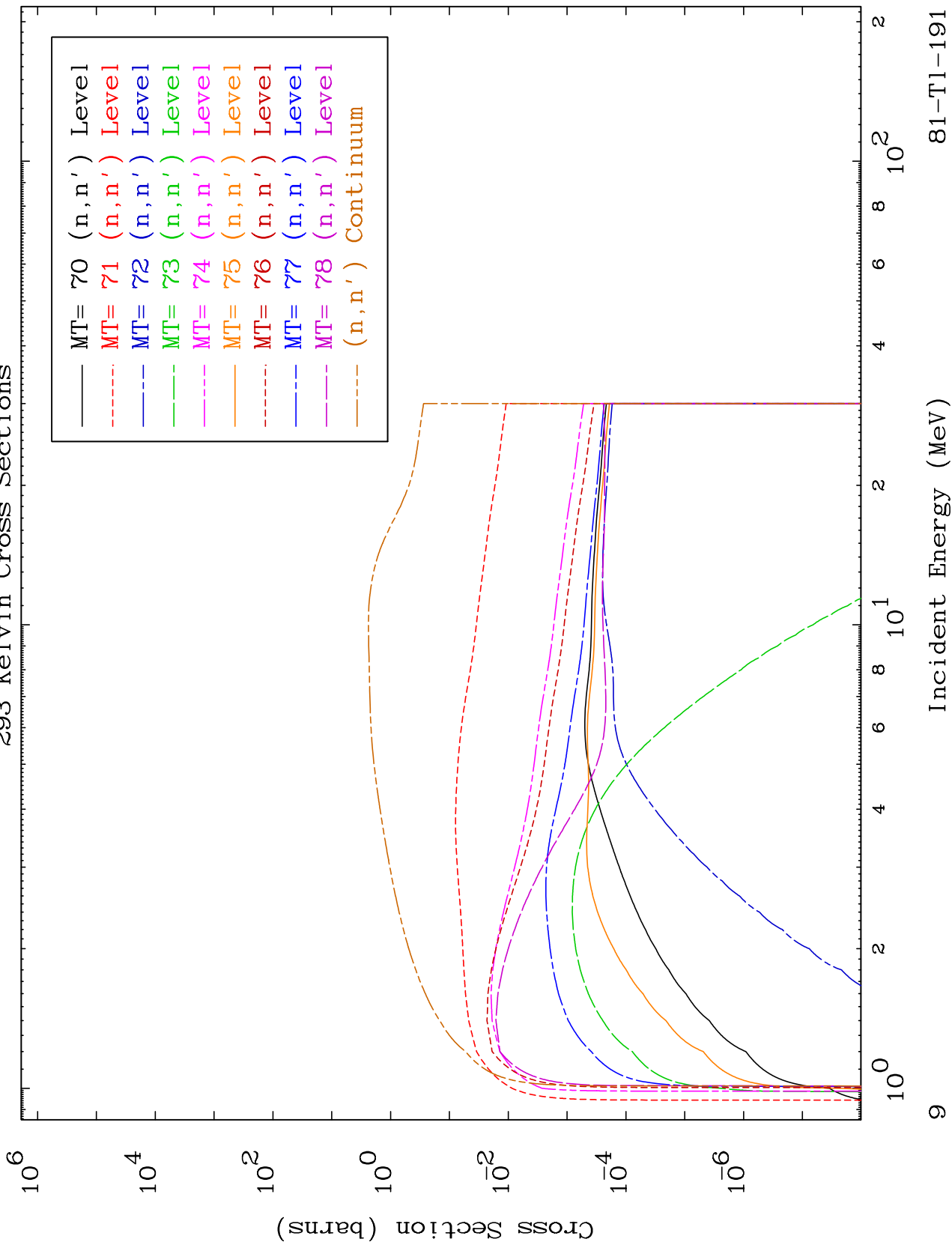
8

MAT 8089

(n,n') Level

81-Tl-191

293 Kelvin Cross Sections



9

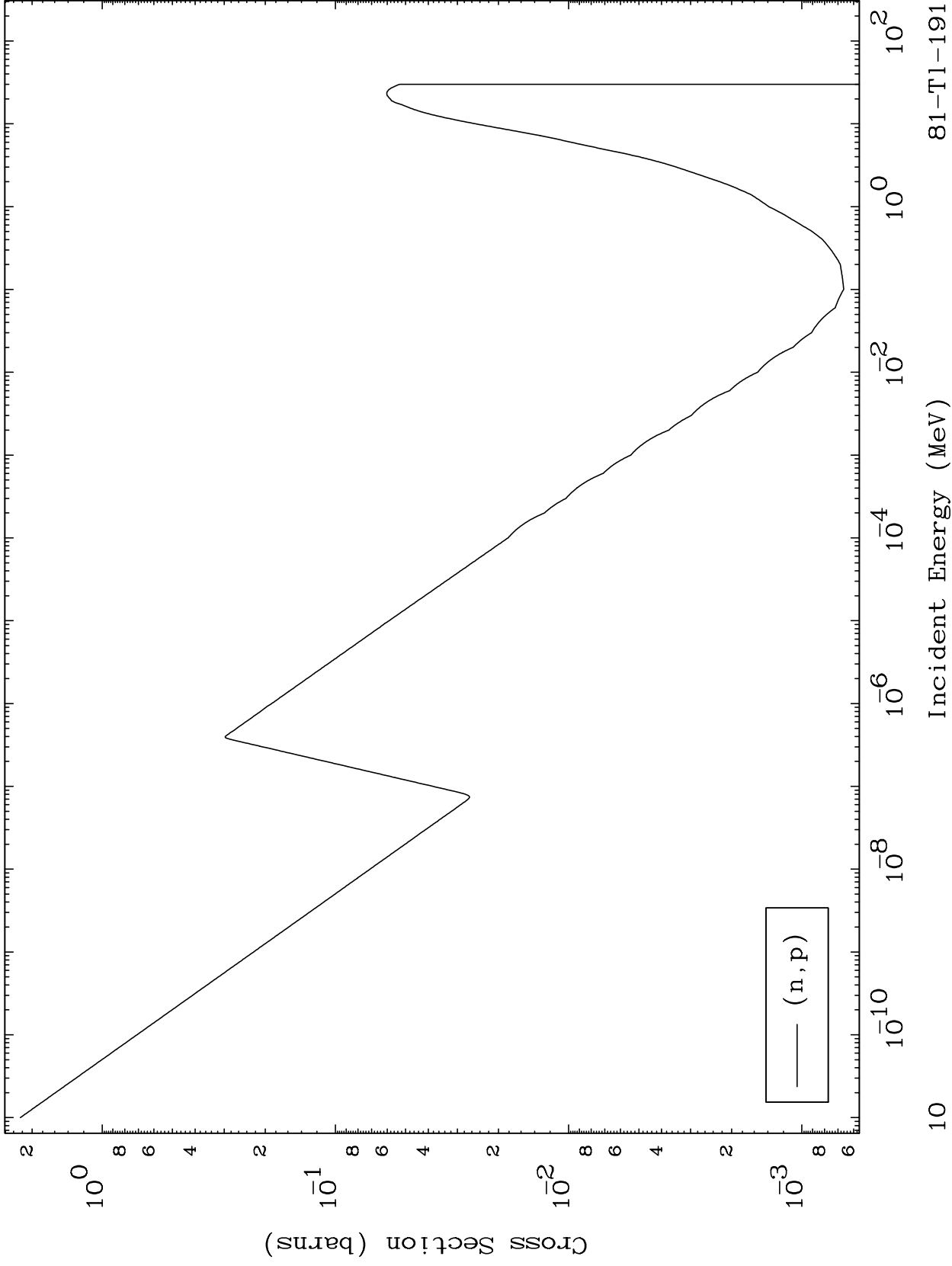
Incident Energy (MeV)

81-Tl-191

MAT 8089

(n,p) Levels  
293 Kelvin Cross Sections

81-Tl-191



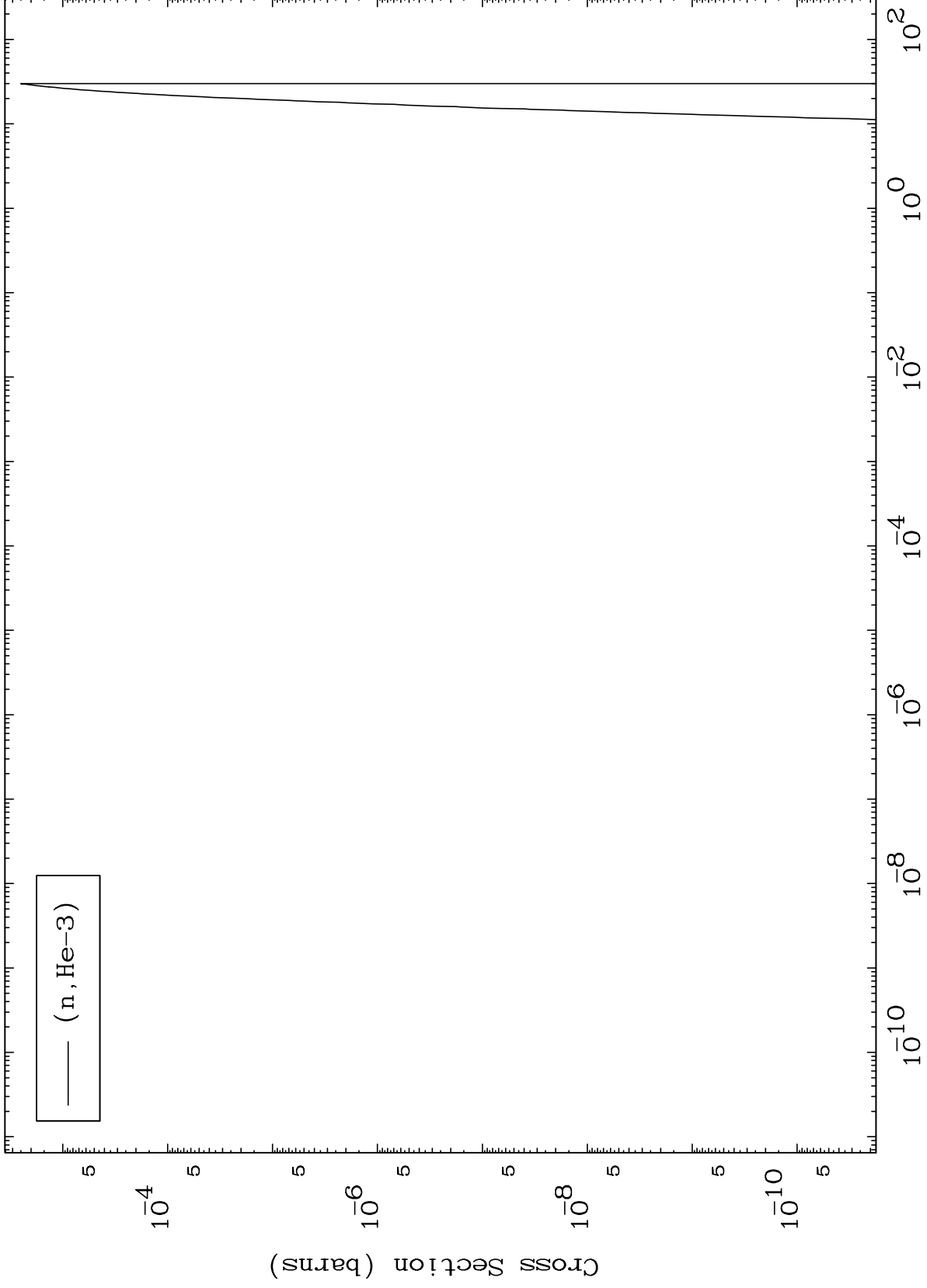




MAT 8089

(n,He3) Levels  
293 Kelvin Cross Sections

81-Tl-191



13

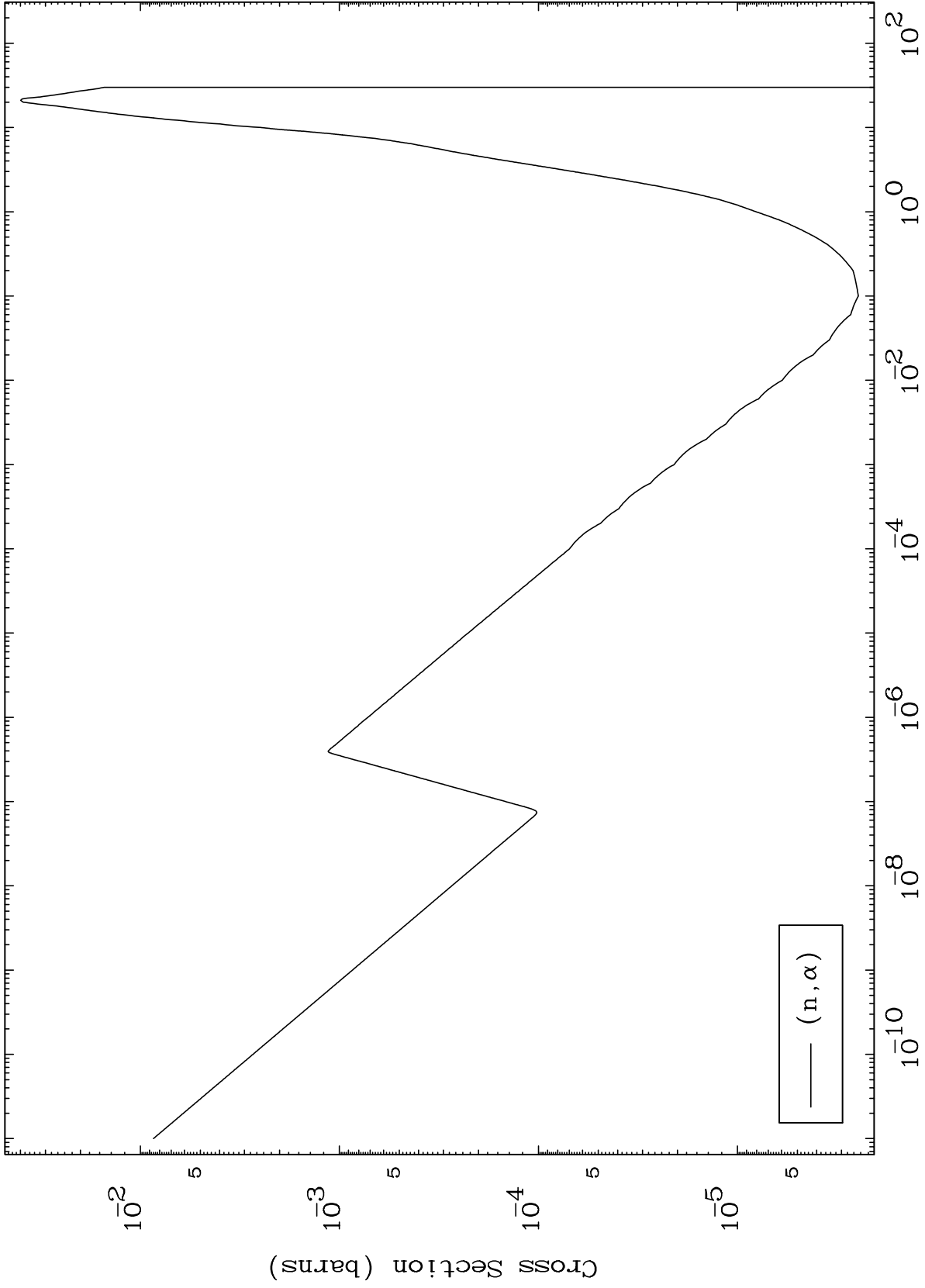
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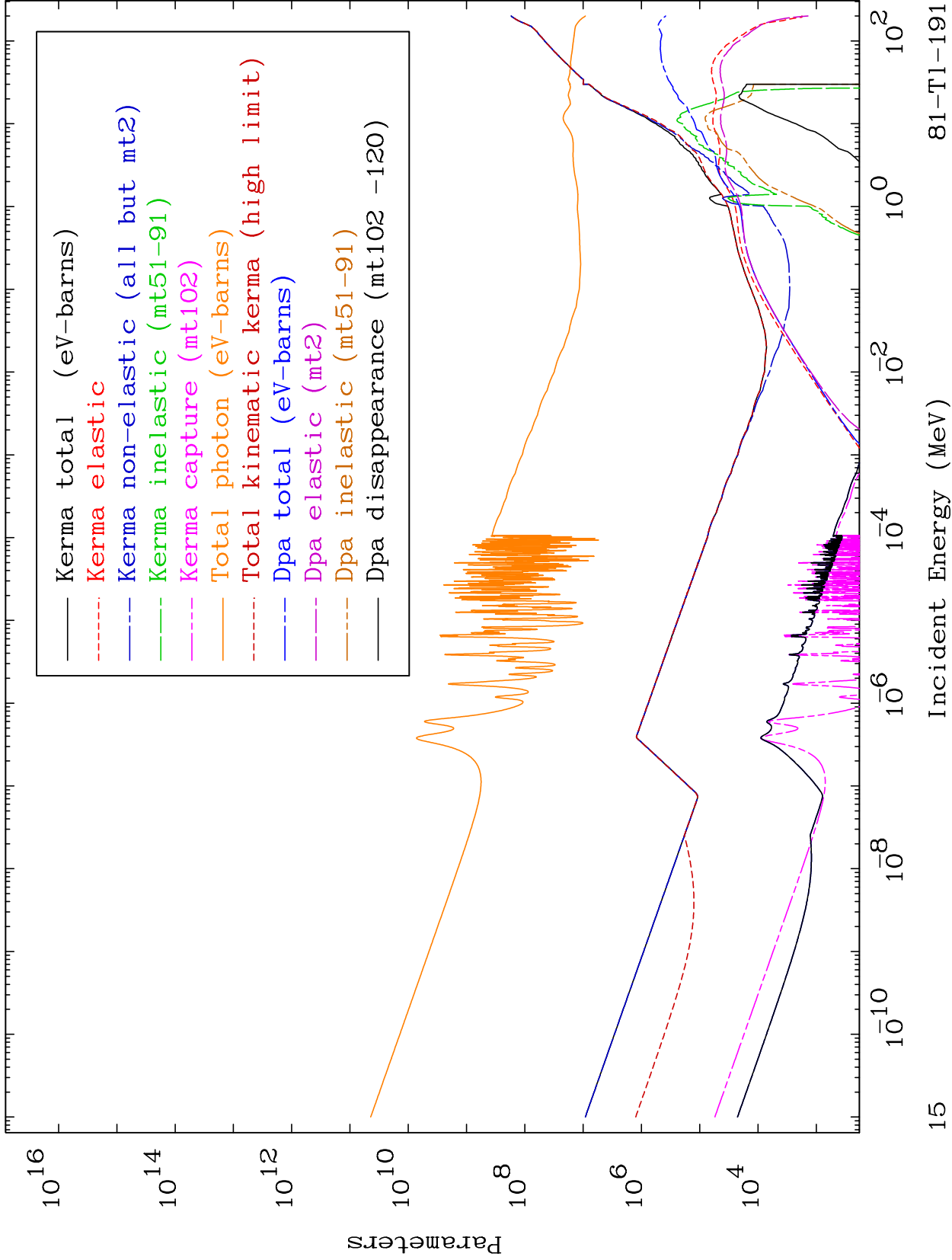
81-Tl-191

MAT 8089

(n,α) Levels  
293 Kelvin Cross Sections

81-Tl-191



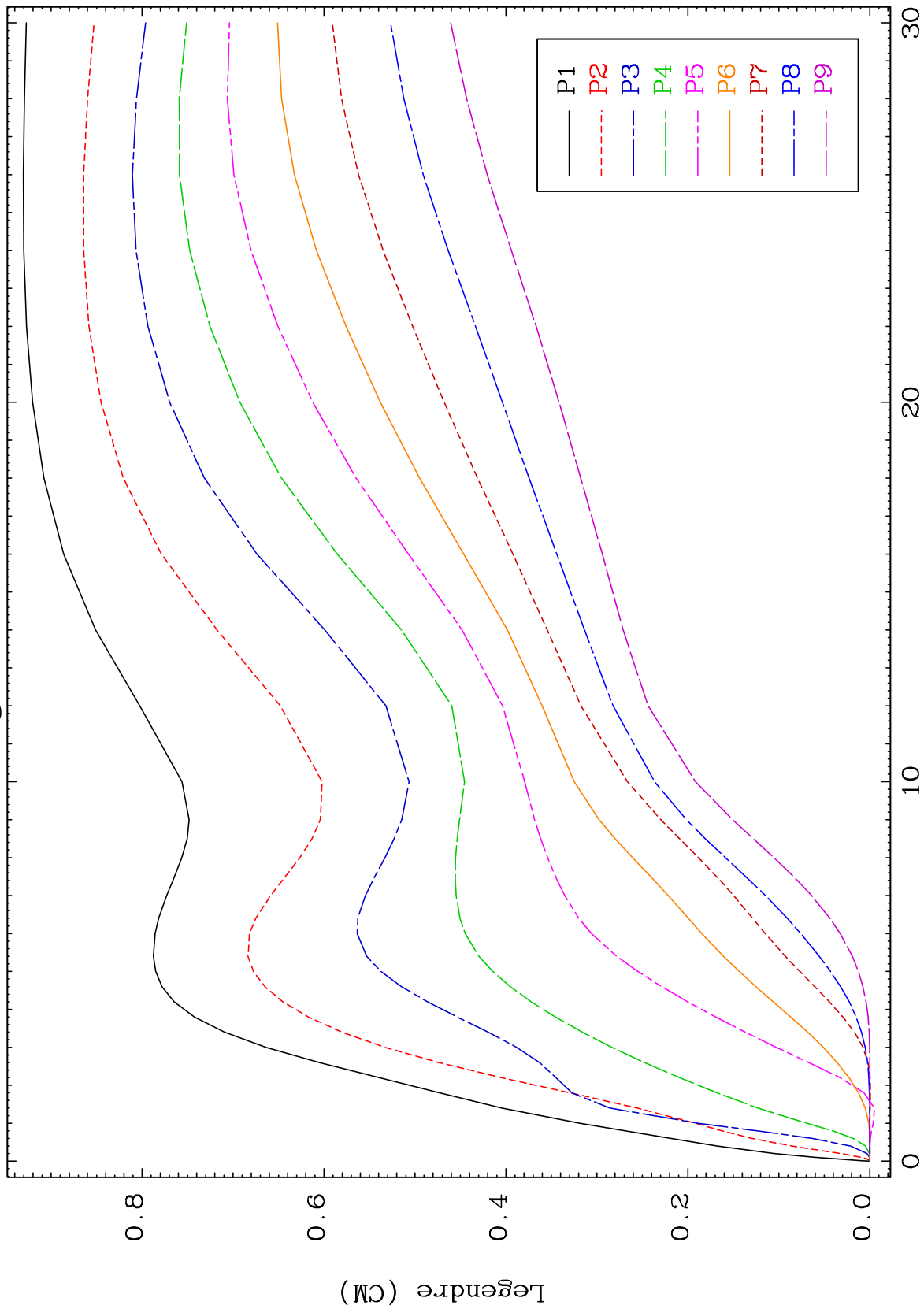




MAT 8089

Elastic Legendre Coefficients

81-Tl-191



16

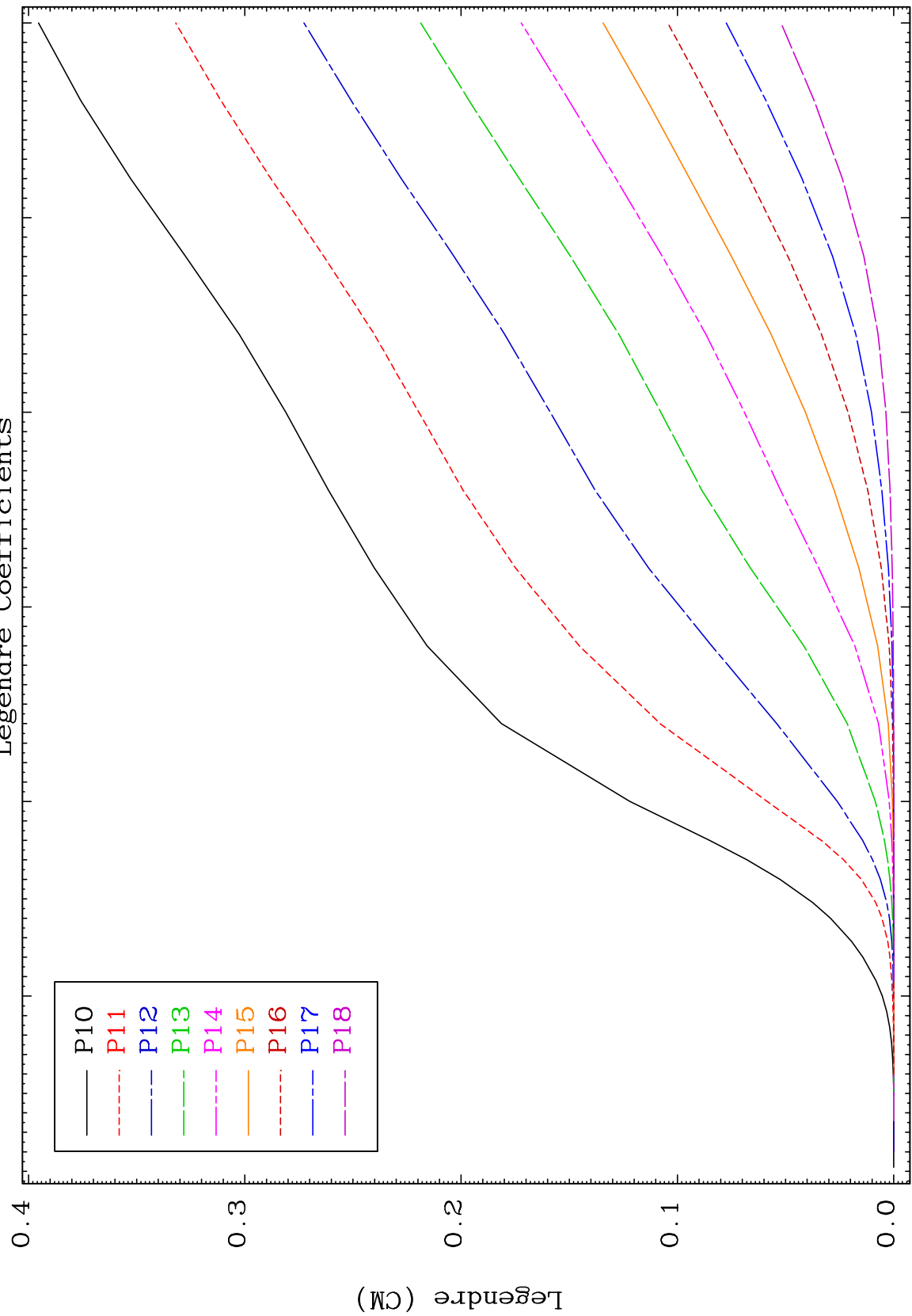
Incident Energy (MeV)

81-Tl-191

MAT 8089

Elastic Legendre Coefficients

81-Tl-191



17

Incident Energy (MeV)

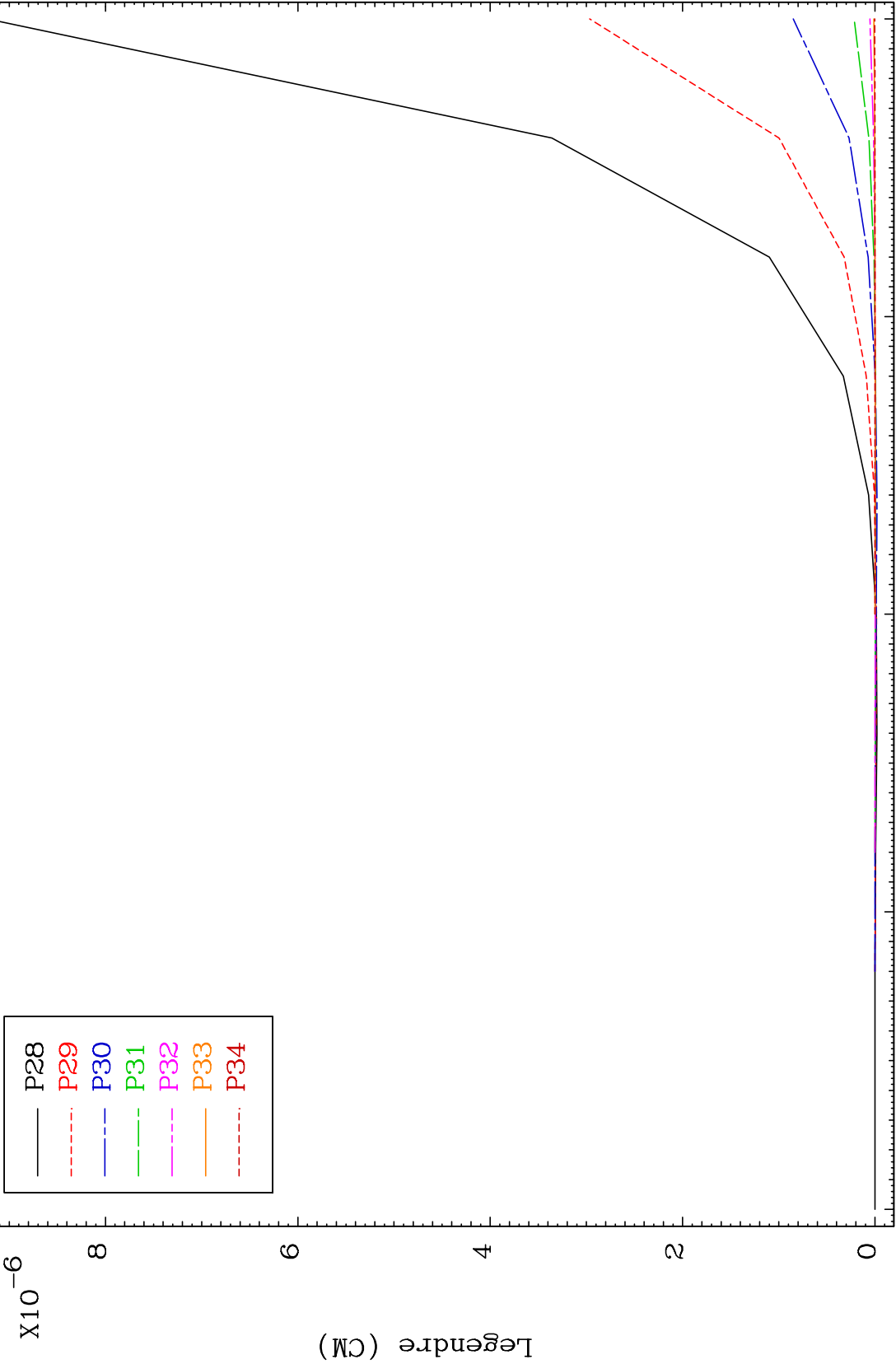
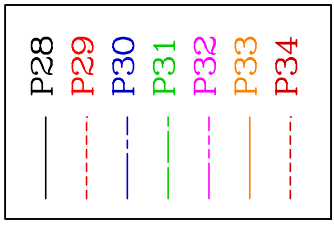
81-Tl-191



MAT 8089

Elastic  
Legendre Coefficients

81-Tl-191



19

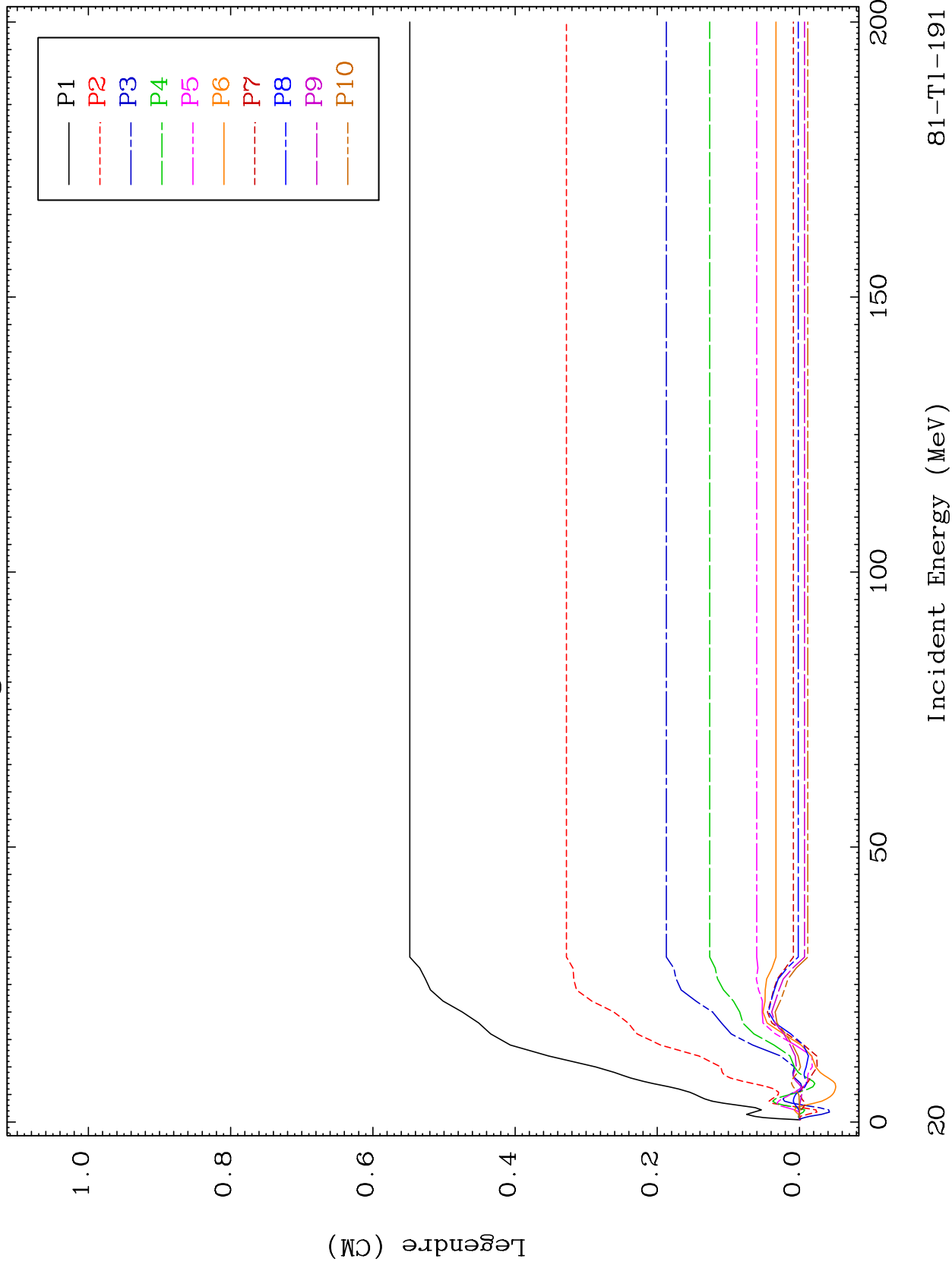
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191

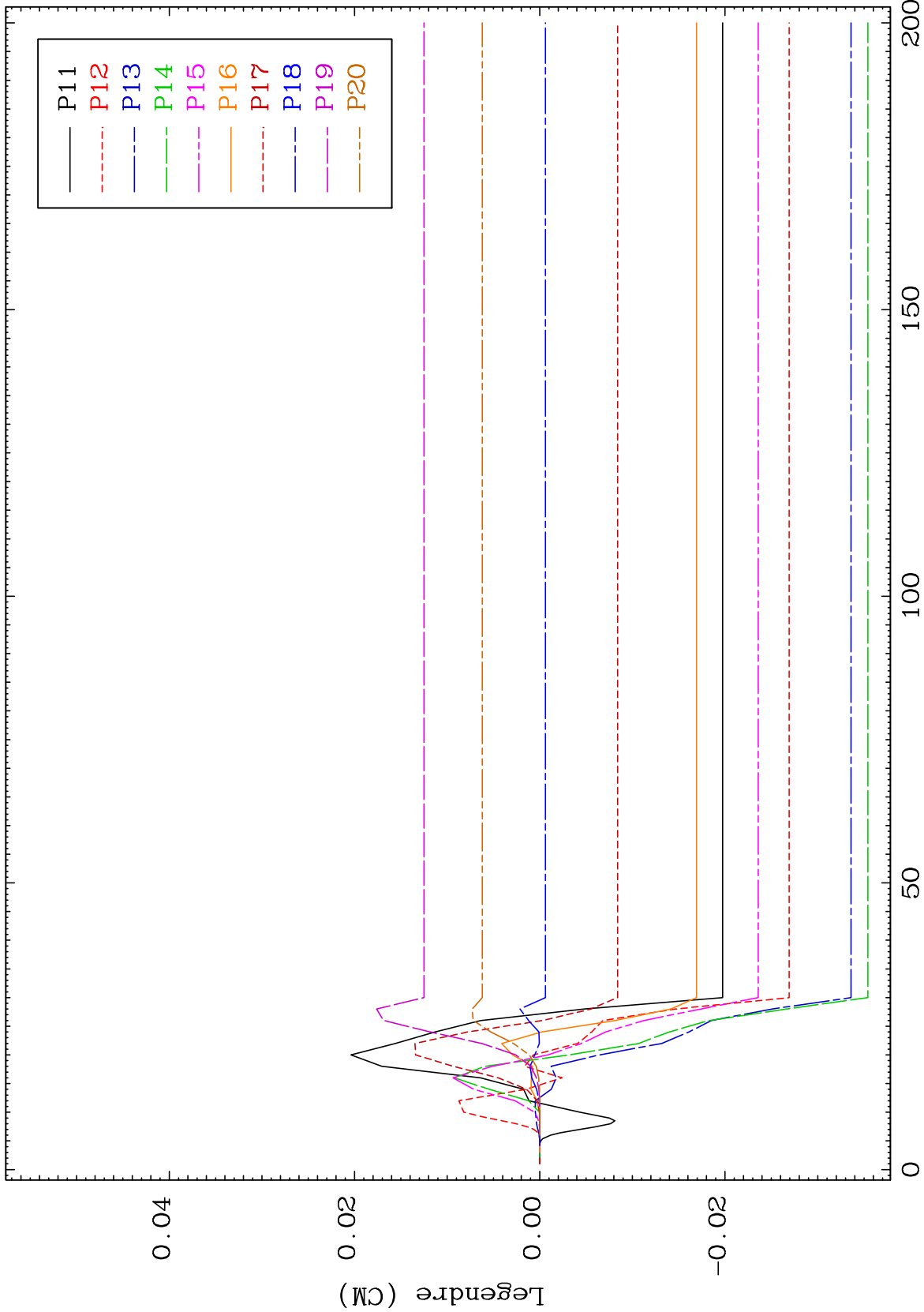


81-Tl-191

MAT 8089

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

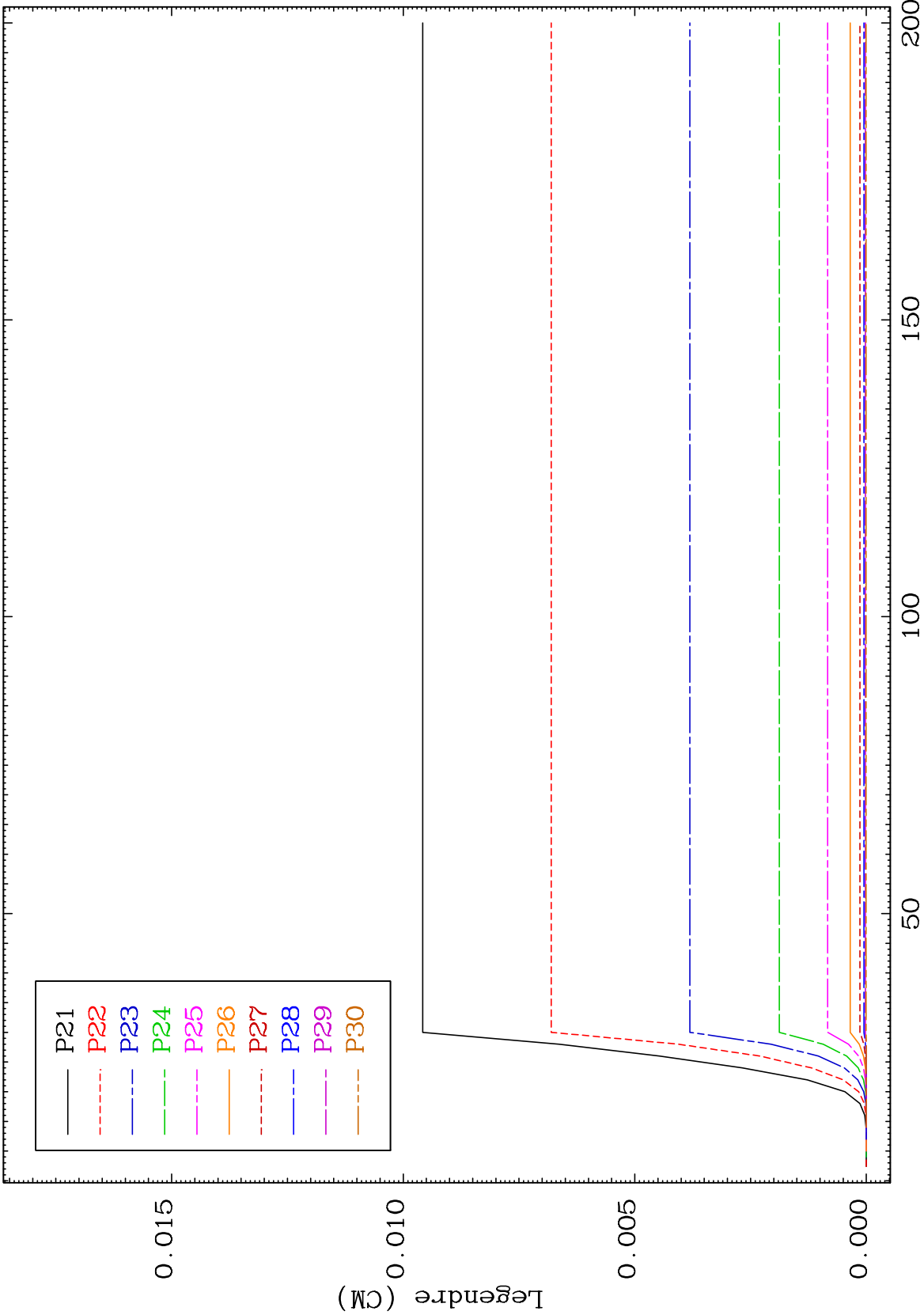
81-Tl-191



21

Incident Energy (MeV)

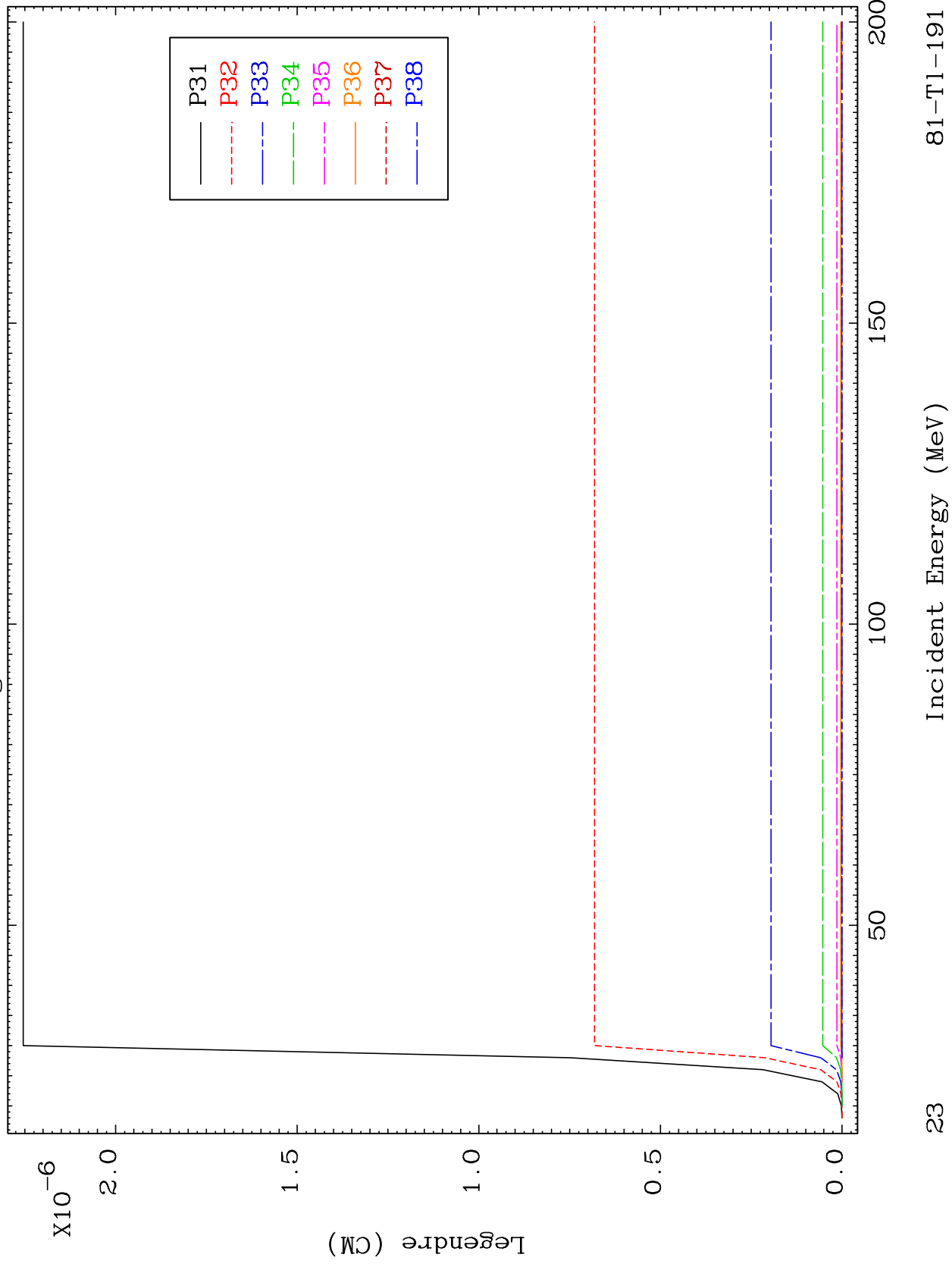
81-Tl-191



MAT 8089

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

81-Tl-191



23

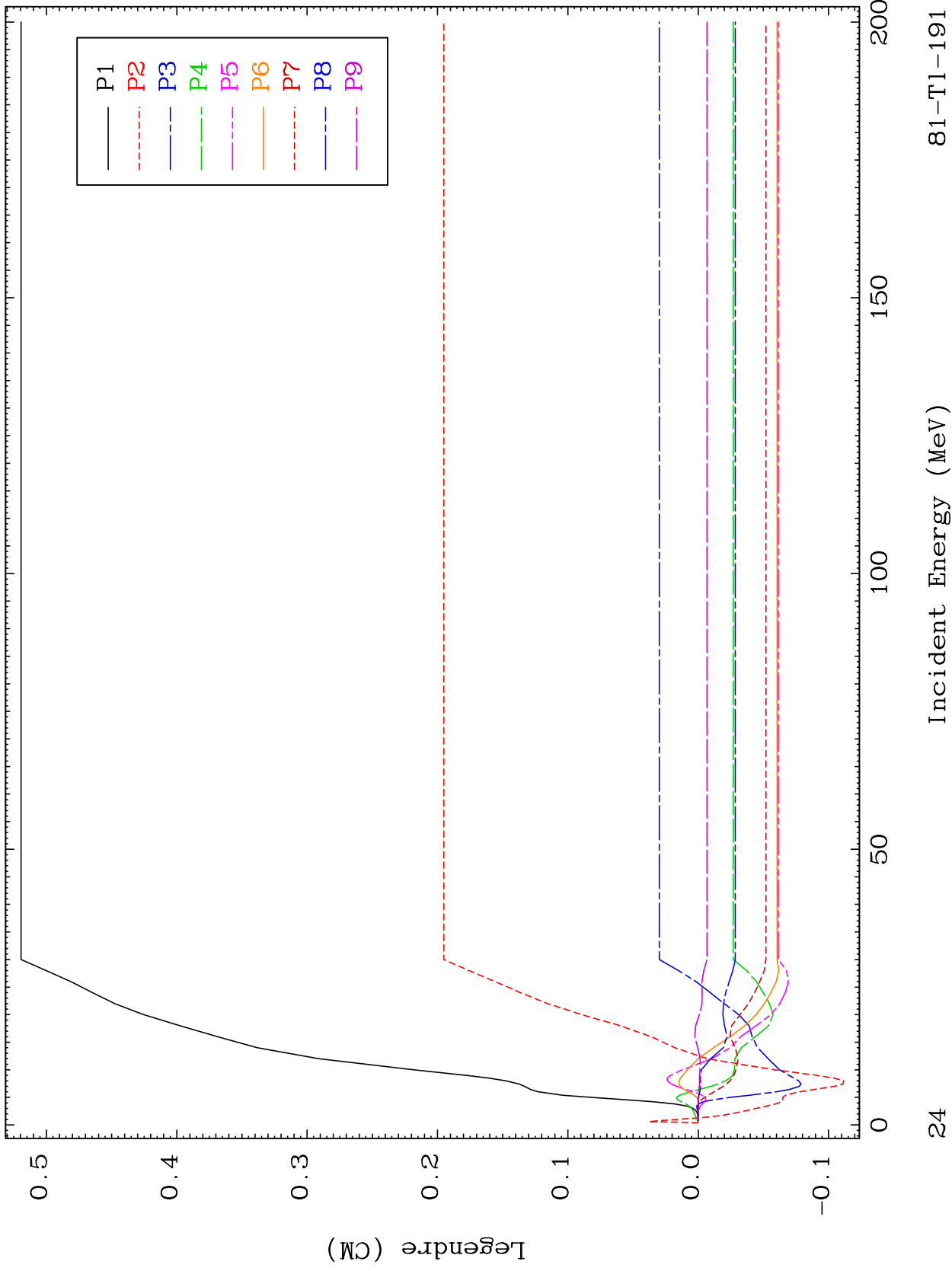
81-Tl-191



MAT 8089

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

81-Tl-191



81-Tl-191

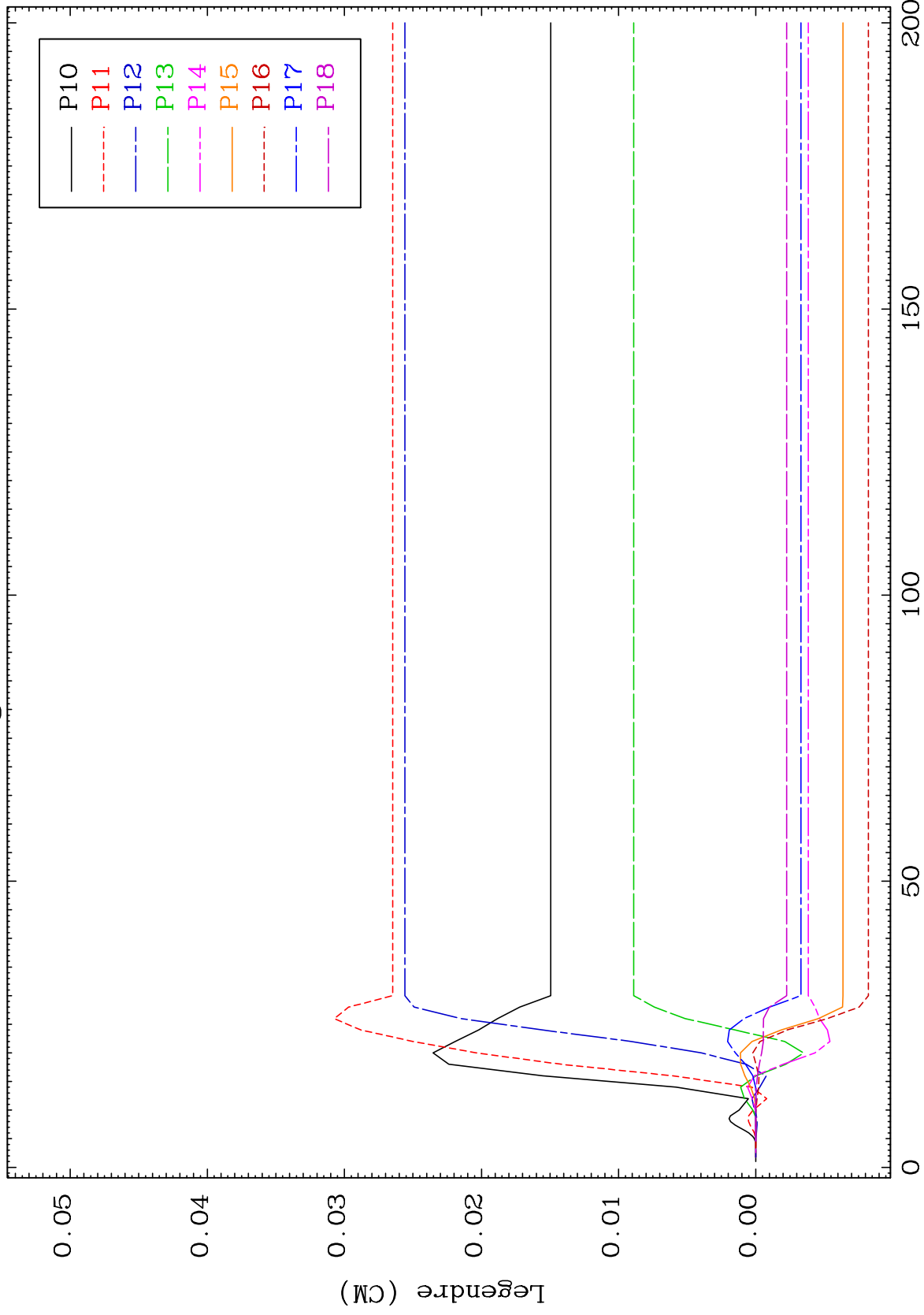
Incident Energy (MeV)

24

MAT 8089

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

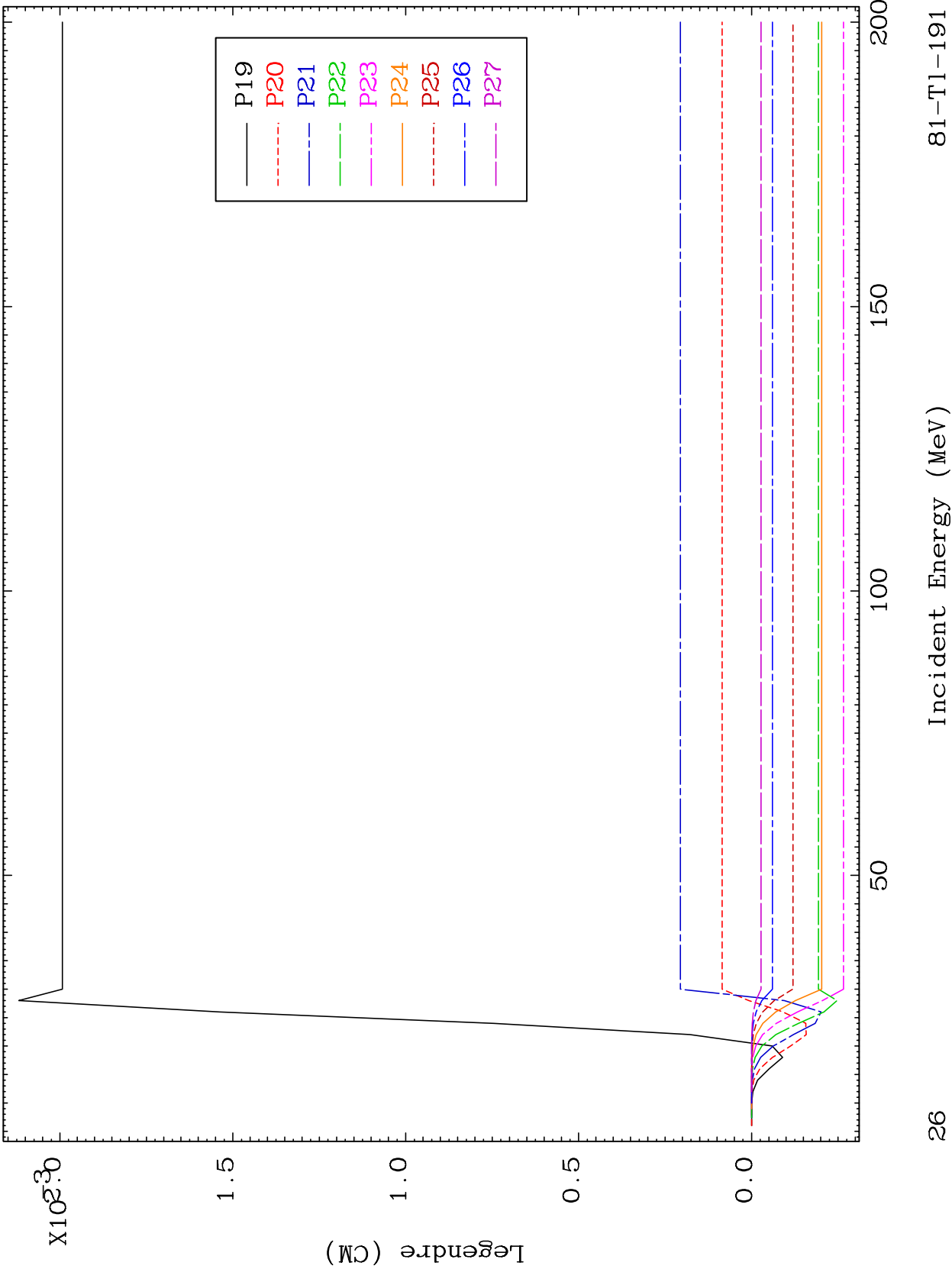
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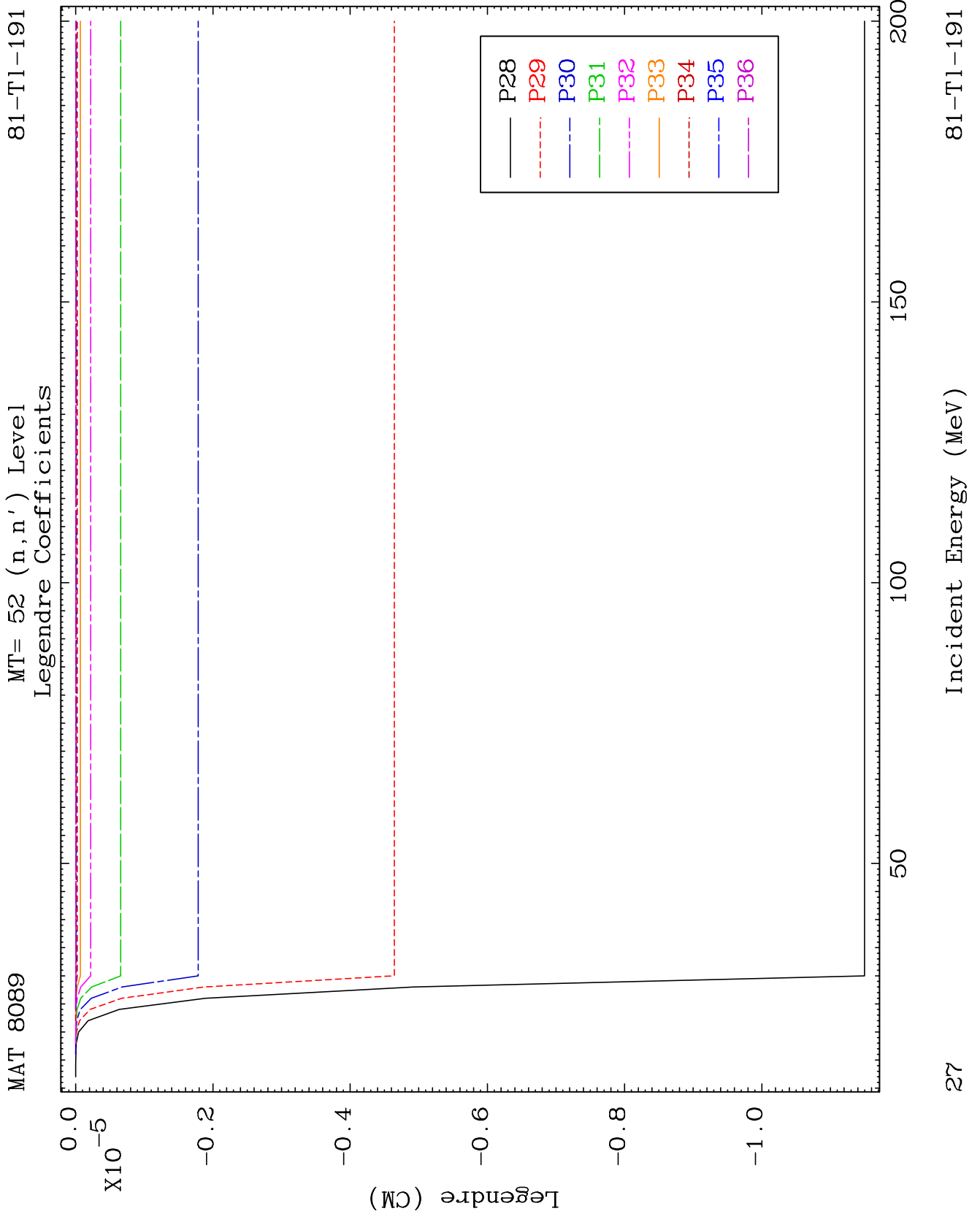


25

Incident Energy (MeV)

81-Tl-191

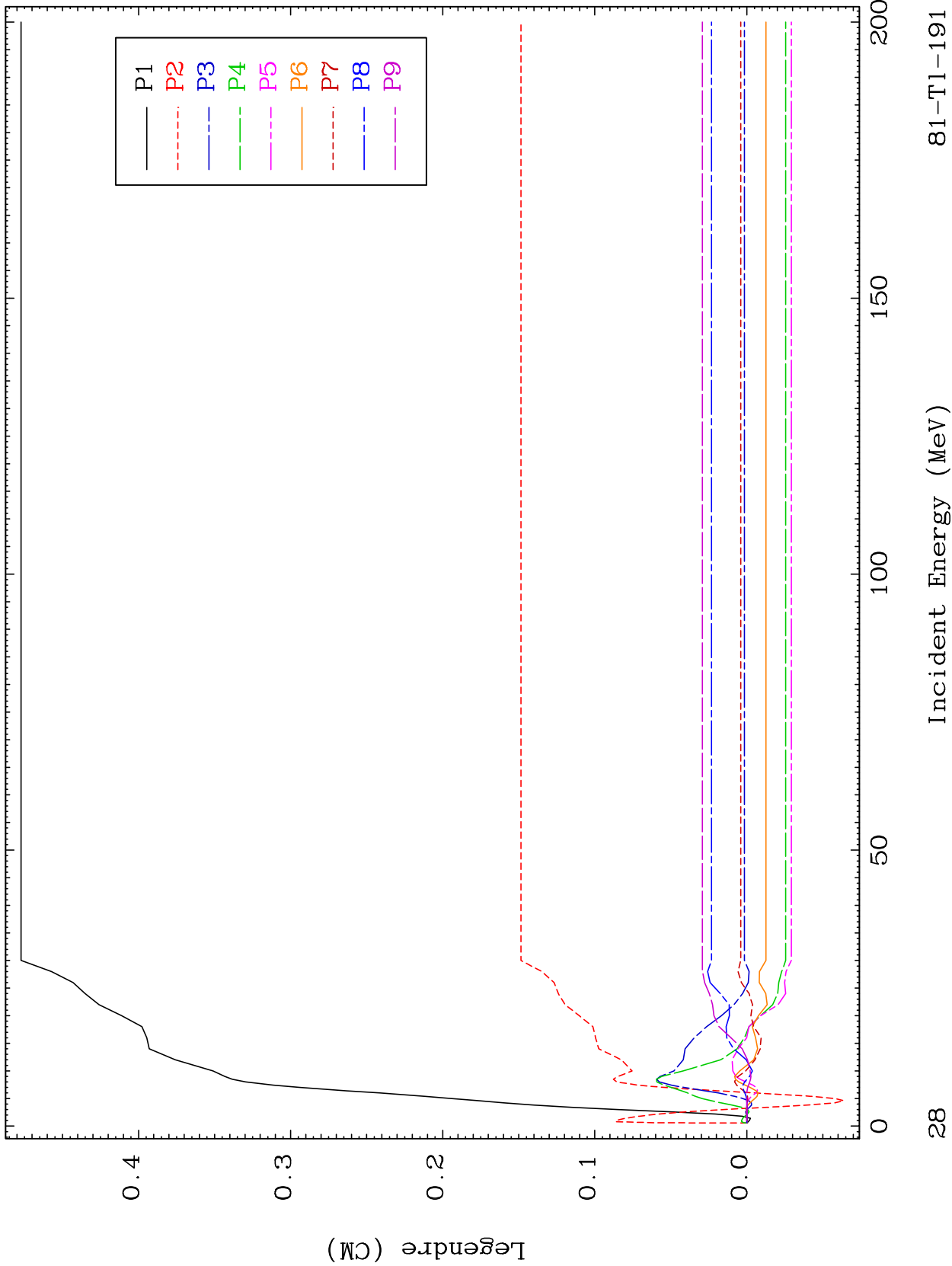




MAT 8089

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

81-Tl-191



81-Tl-191

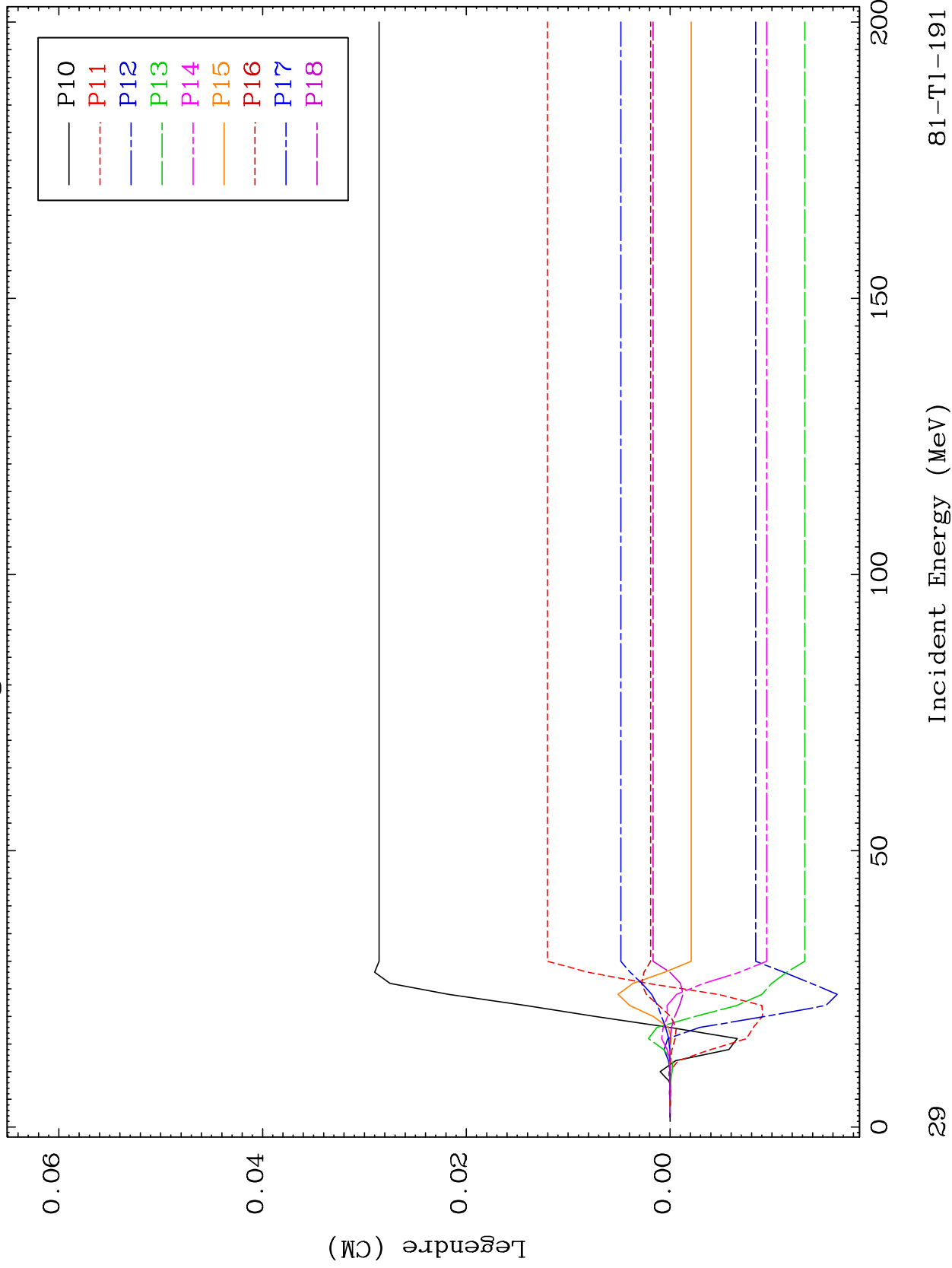
Incident Energy (MeV)

28

MAT 8089

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

81-Tl-191



81-Tl-191

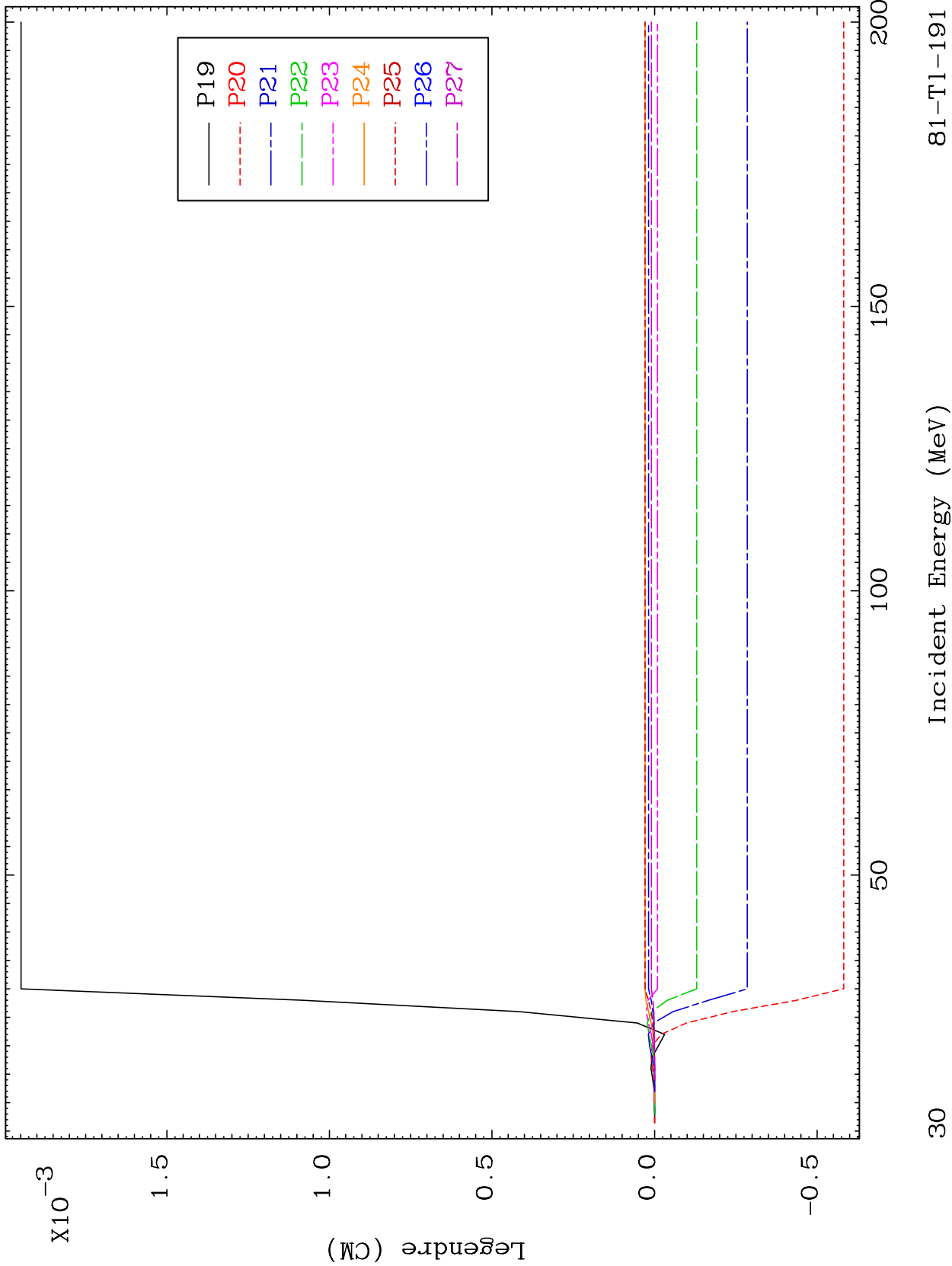
Incident Energy (MeV)

29

MAT 8089

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

81-Tl-191



30

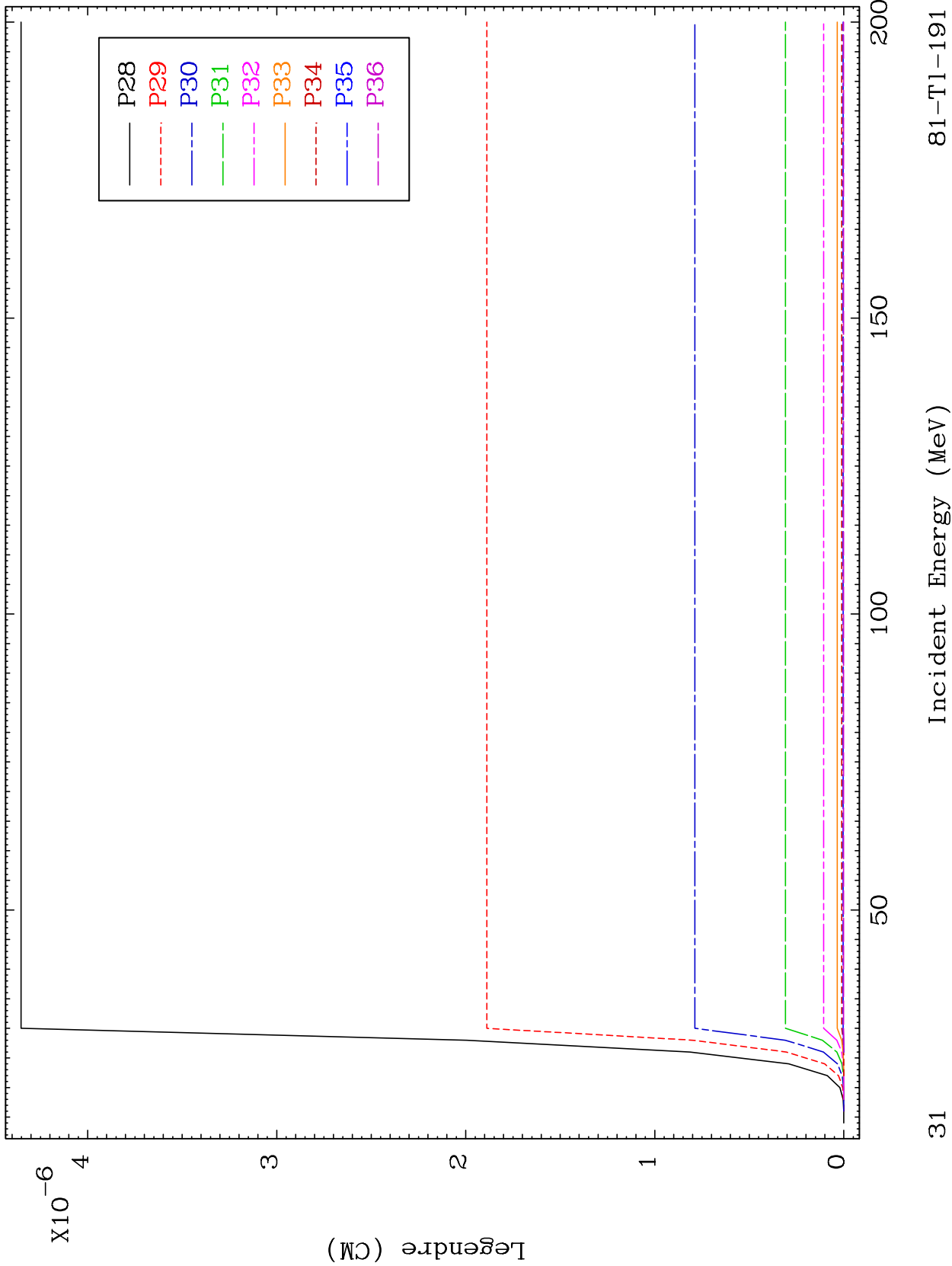
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



31

Incident Energy (MeV)

81-Tl-191

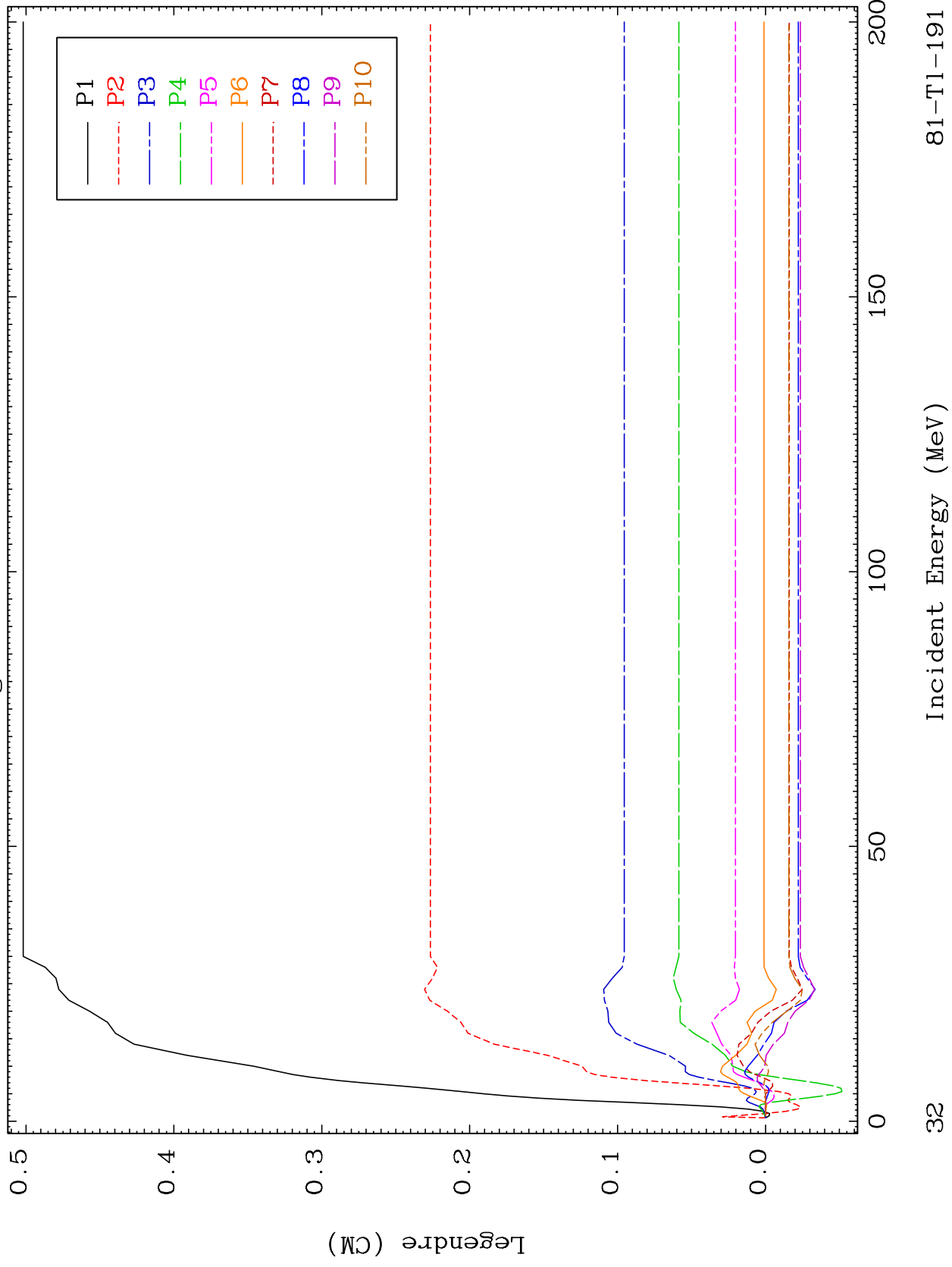


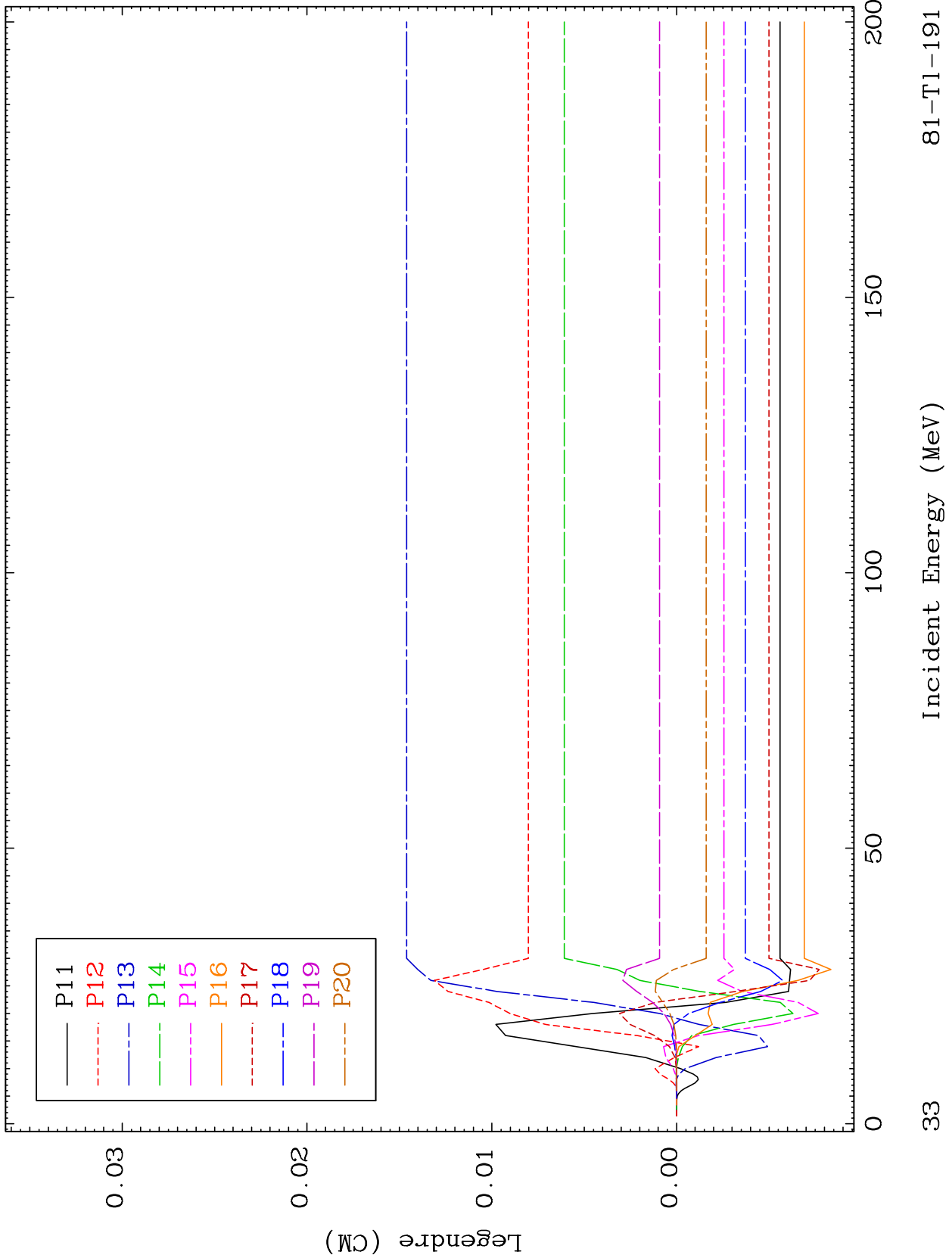
MAT 8089

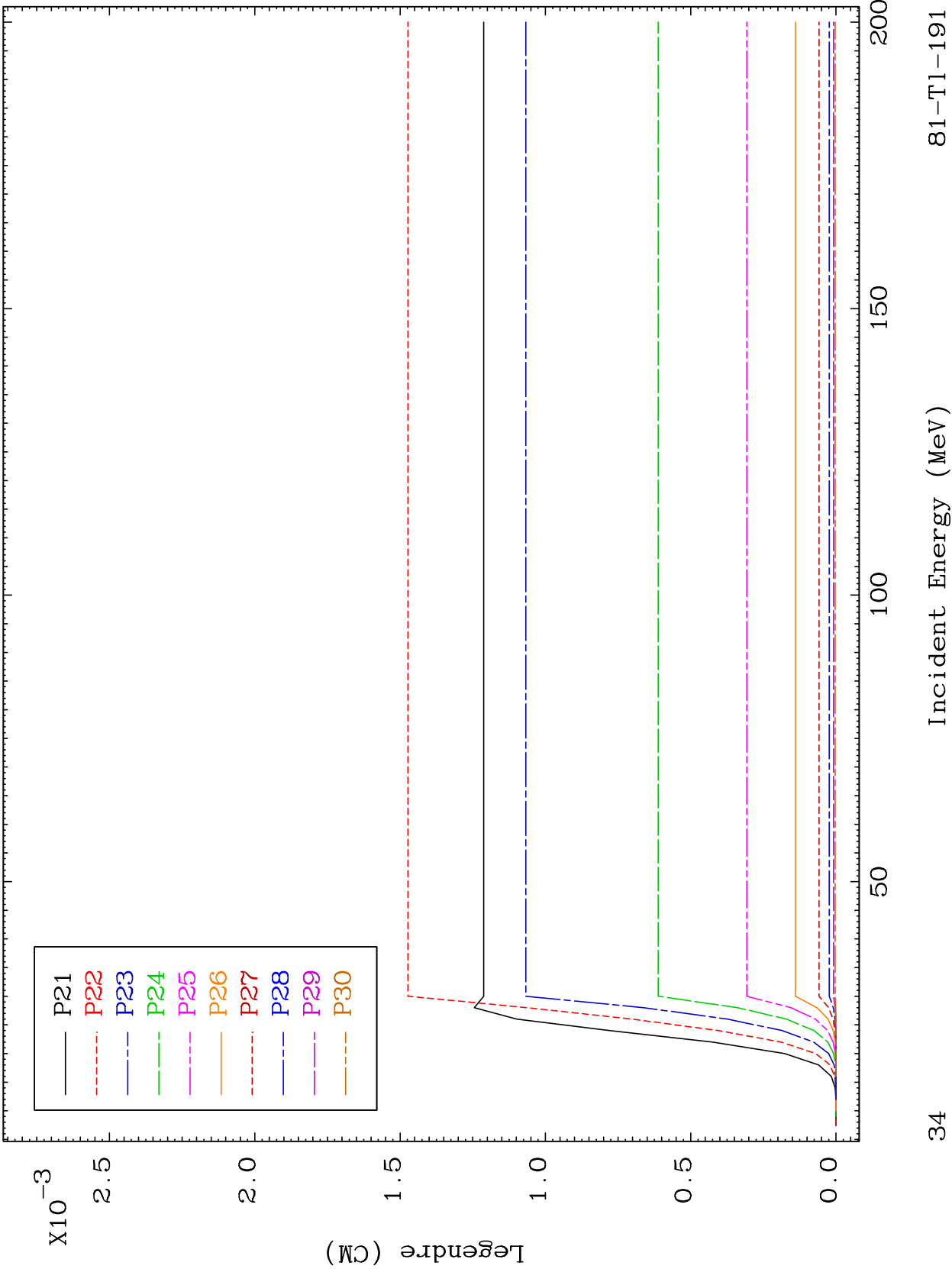
MT= 54 (n,n') Level

81-Tl-191

Legendre Coefficients



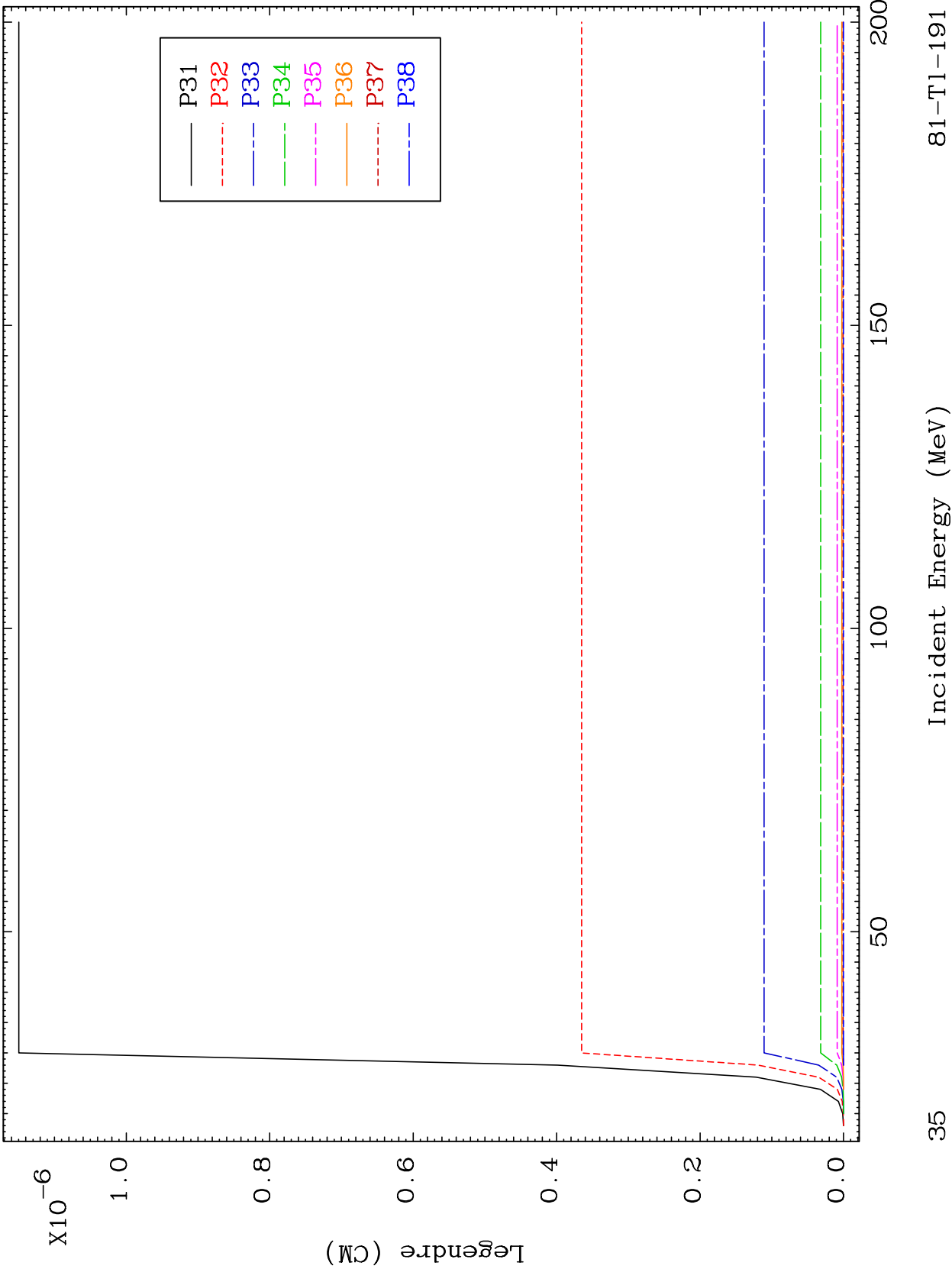




MAT 8089

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

81-Tl-191



35

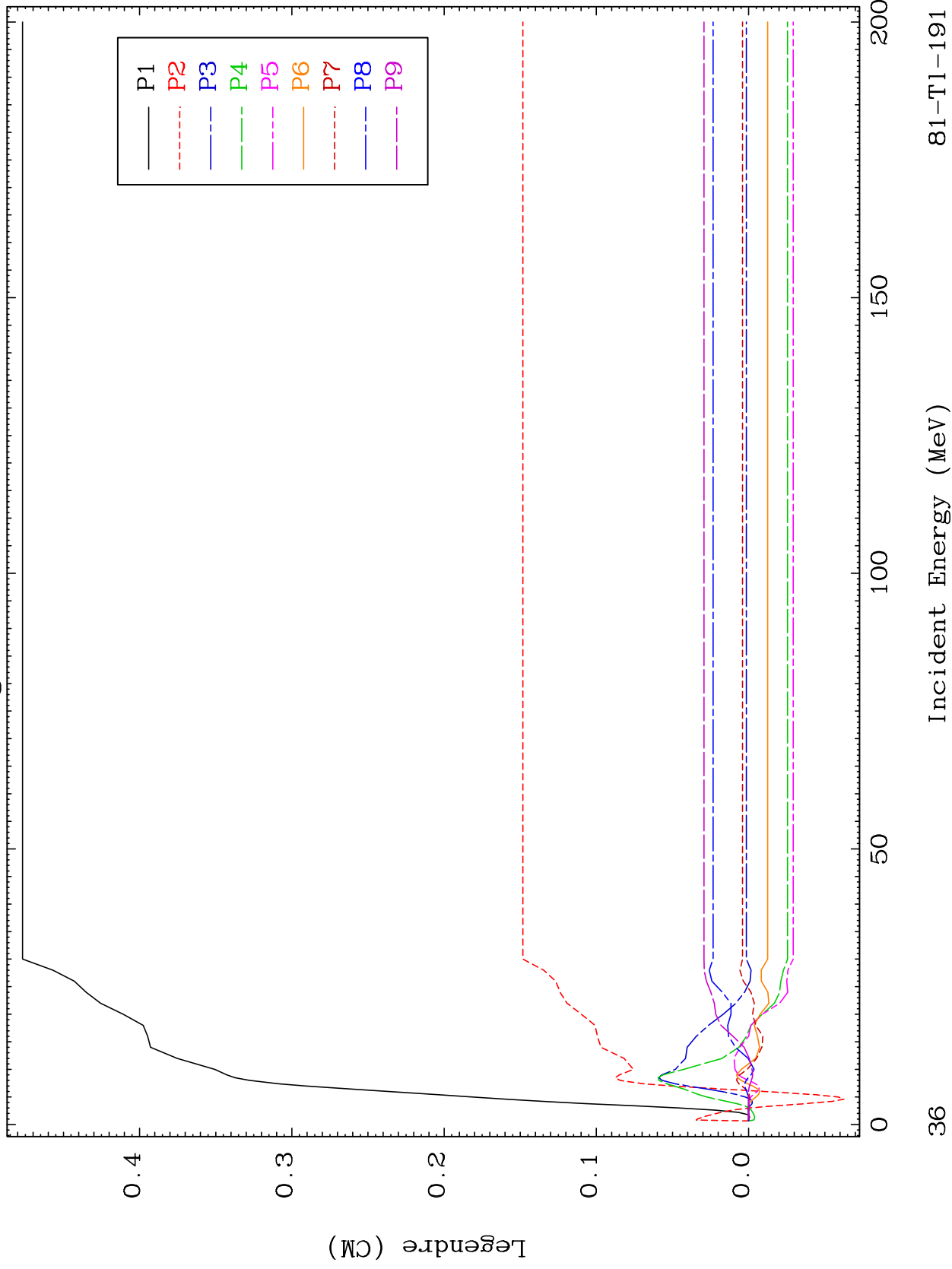
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



81-Tl-191

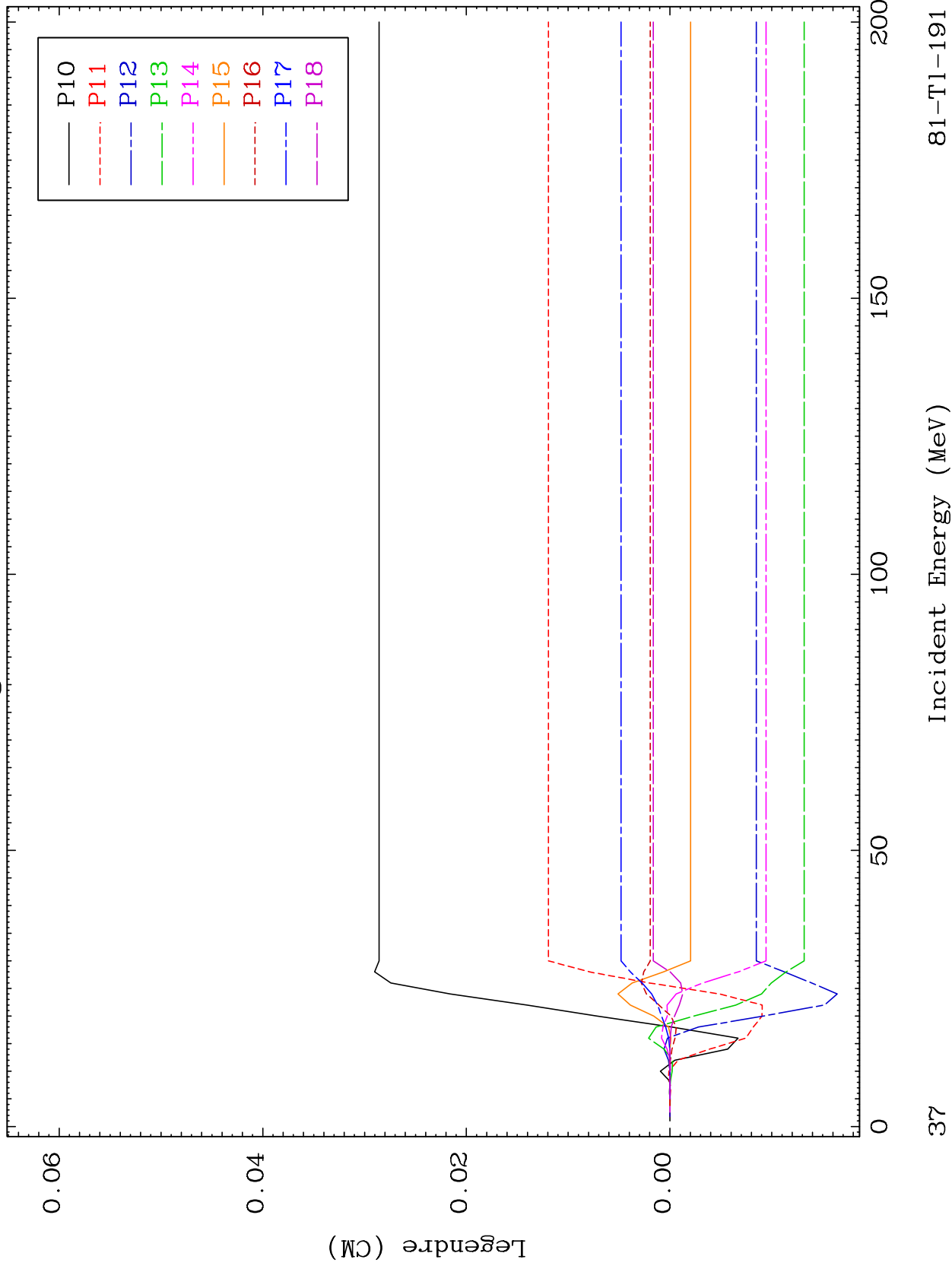
Incident Energy (MeV)

36

MAT 8089

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

81-Tl-191



37

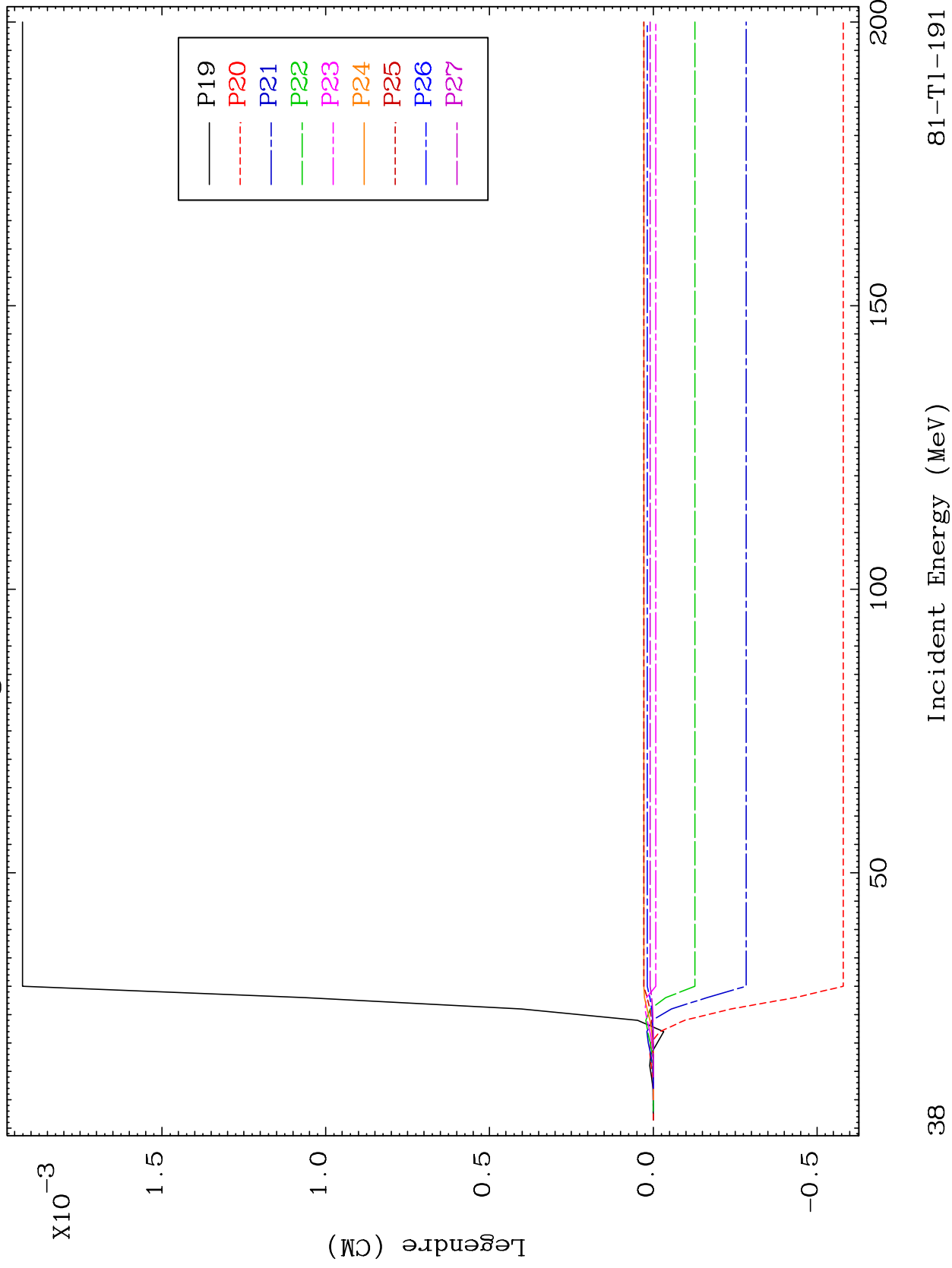
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



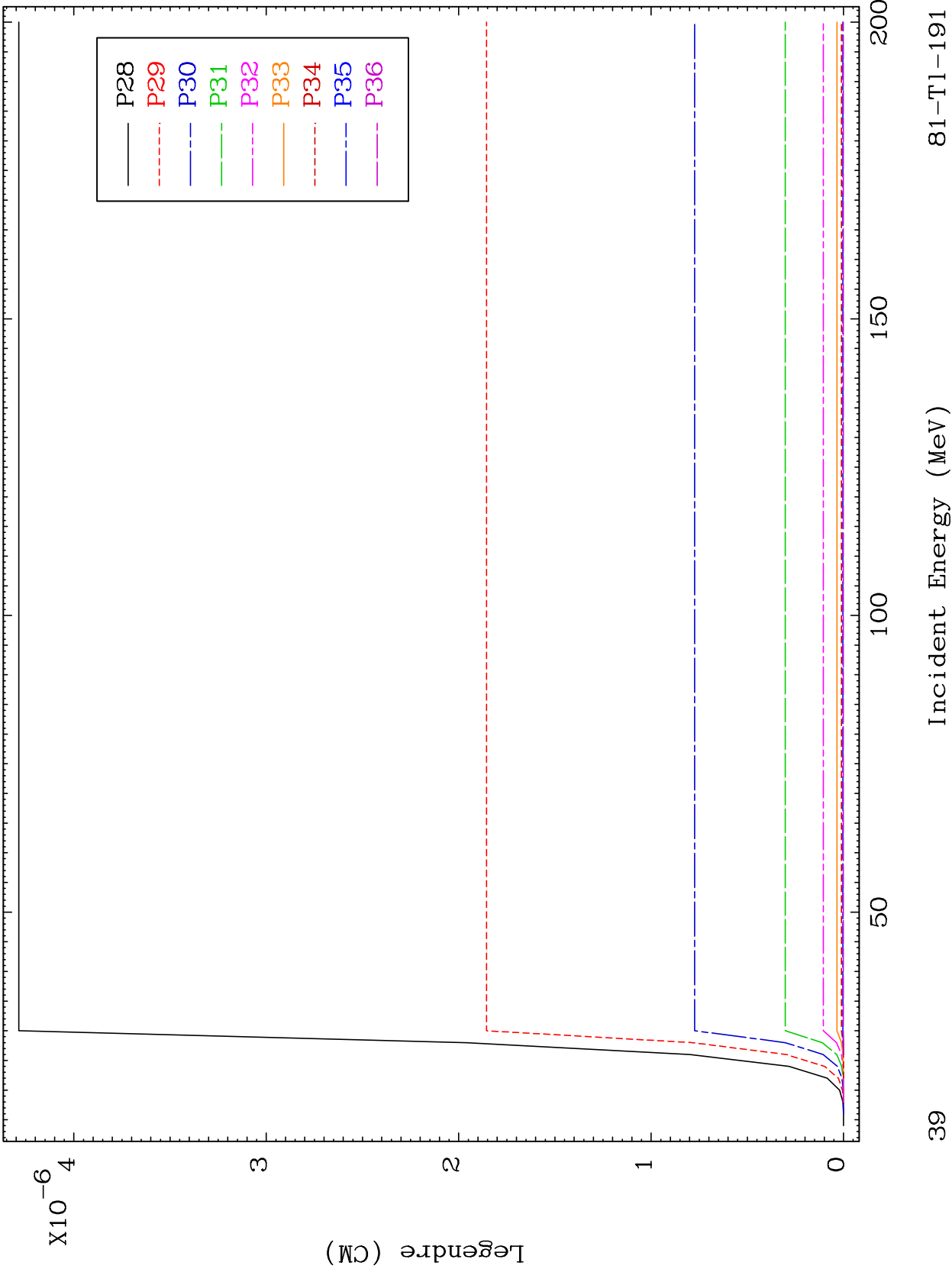
38

81-Tl-191

MAT 8089

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

81-Tl-191



39

Incident Energy (MeV)

81-Tl-191

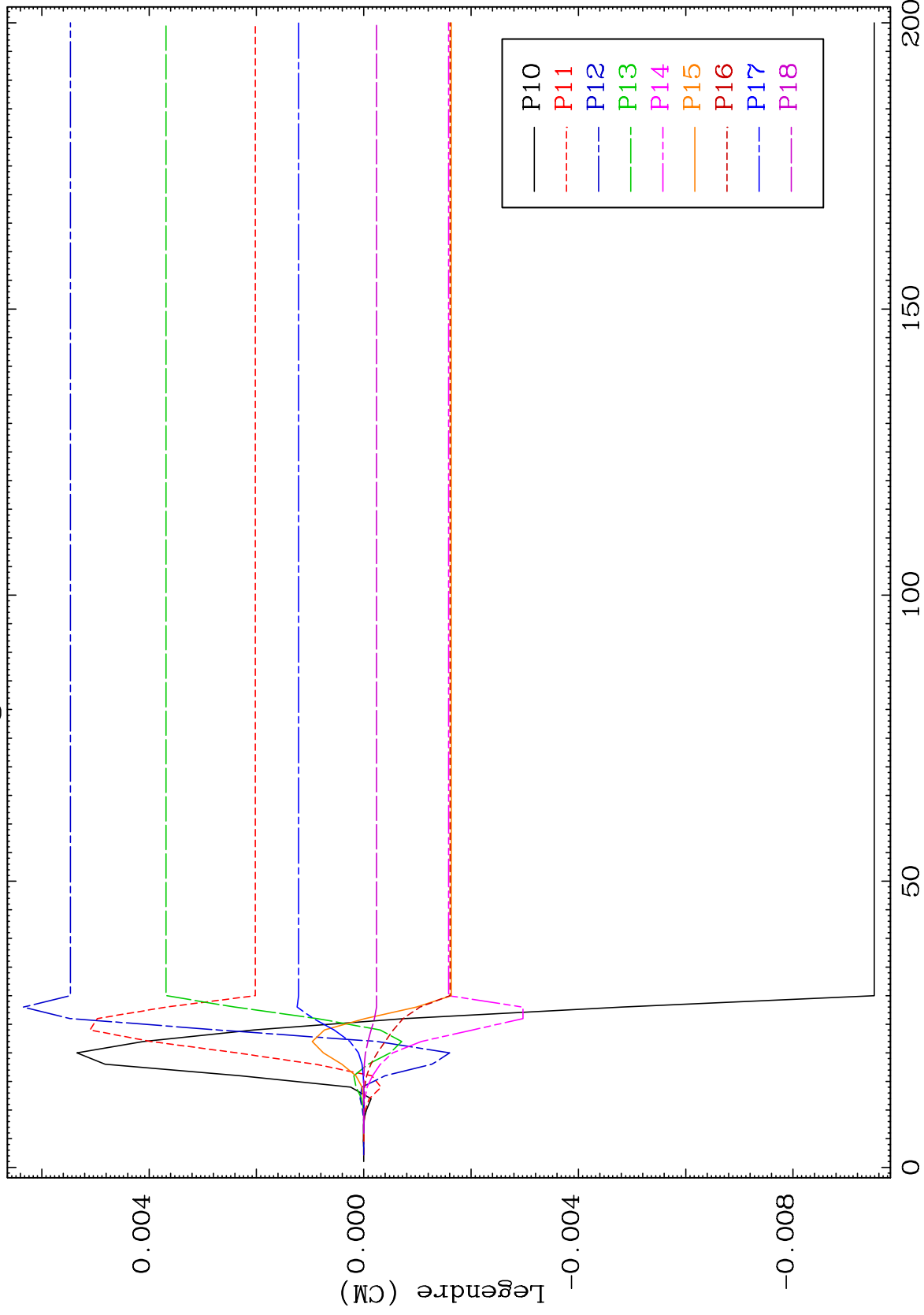




MAT 8089

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

81-Tl-191



41

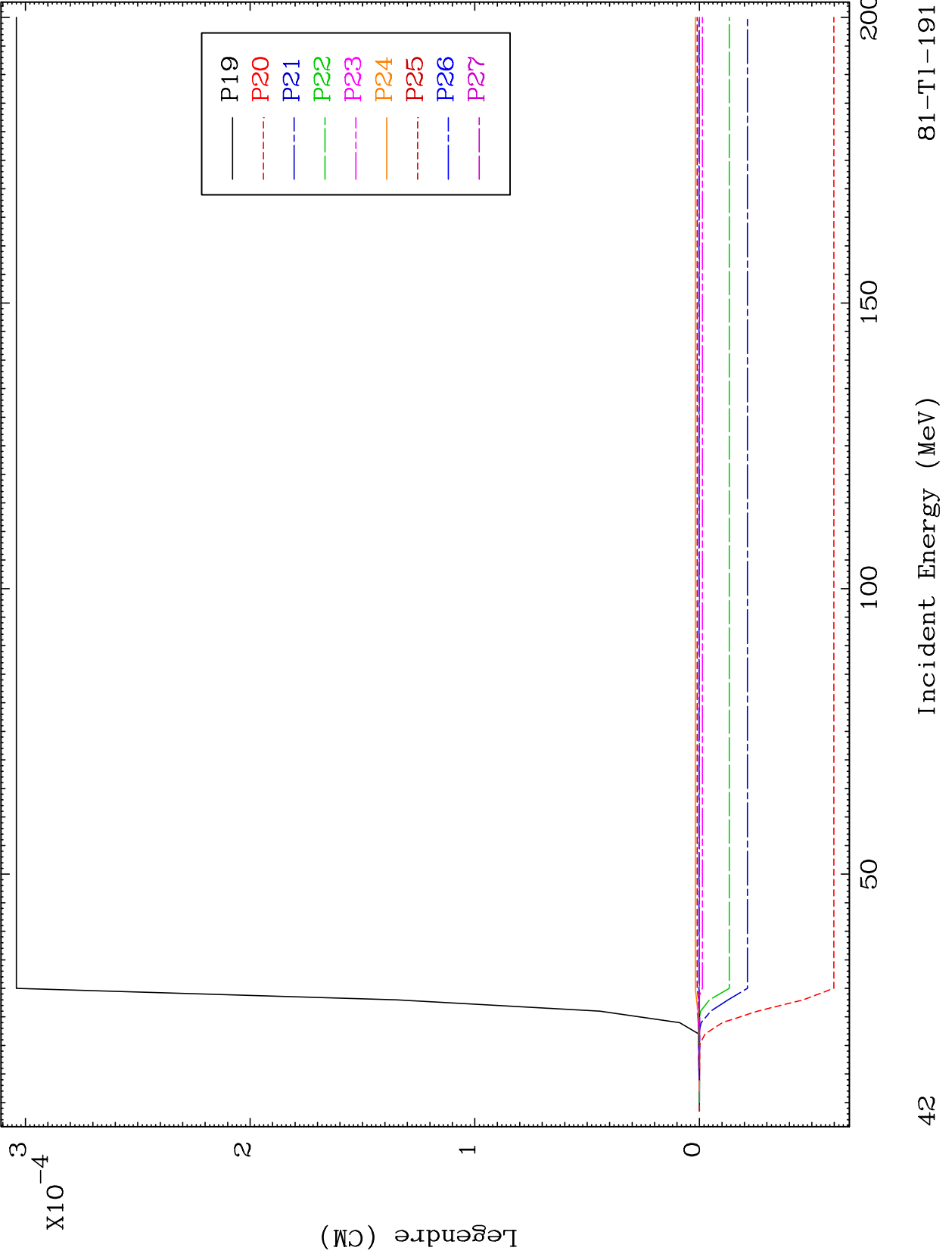
Incident Energy (MeV)

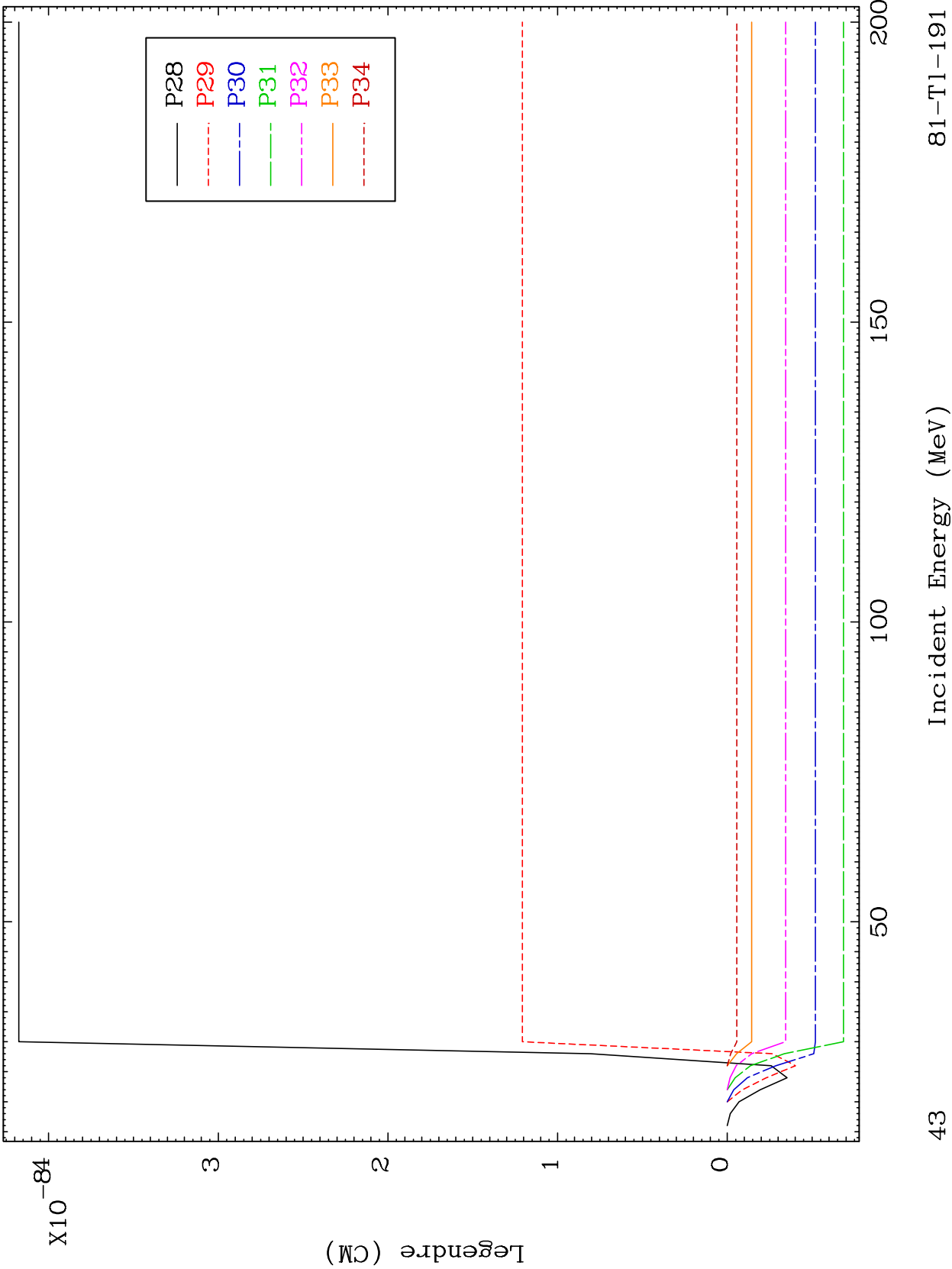
81-Tl-191

MAT 8089

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

81-Tl-191

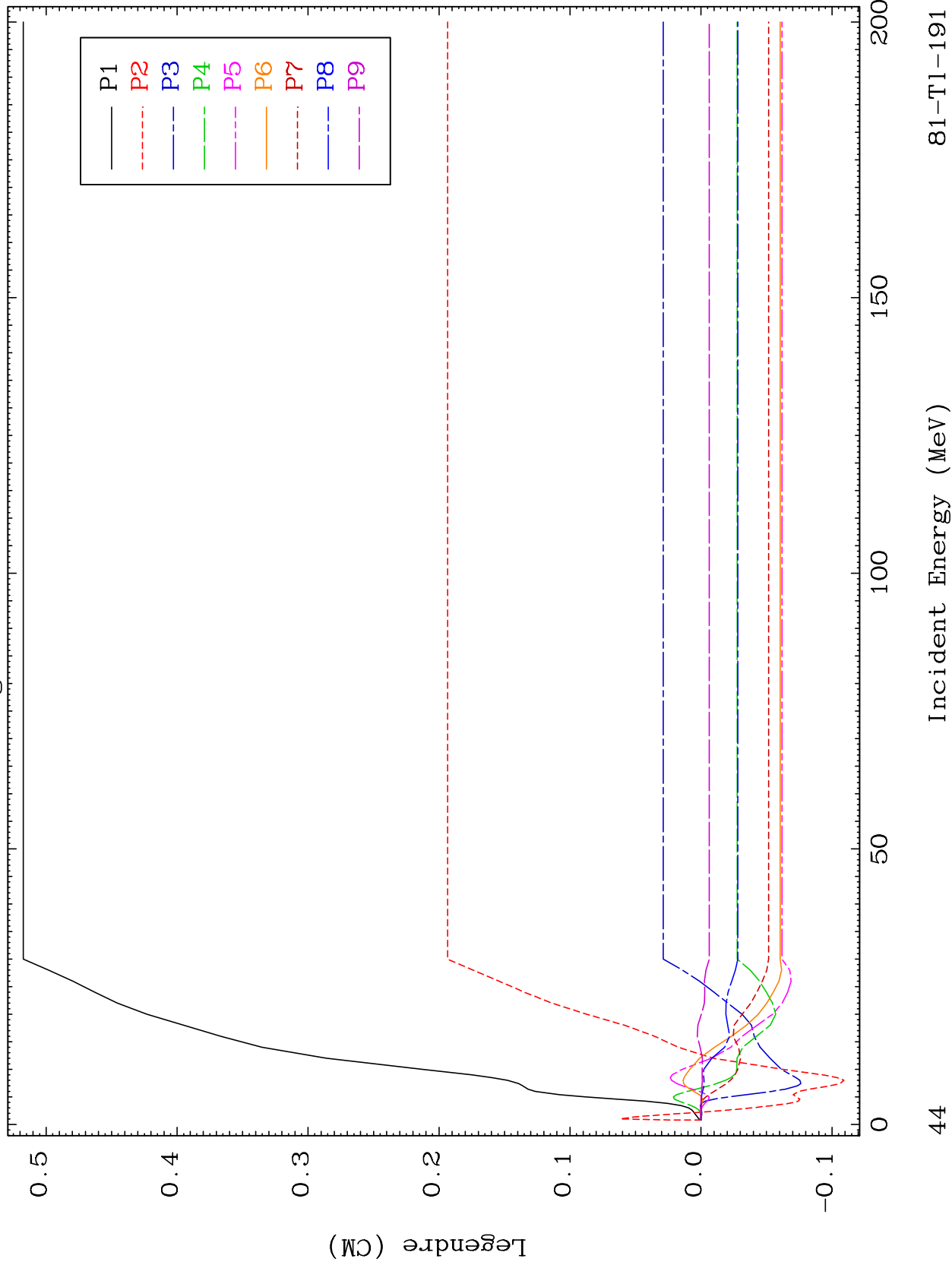




MAT 8089

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

81-Tl-191



81-Tl-191

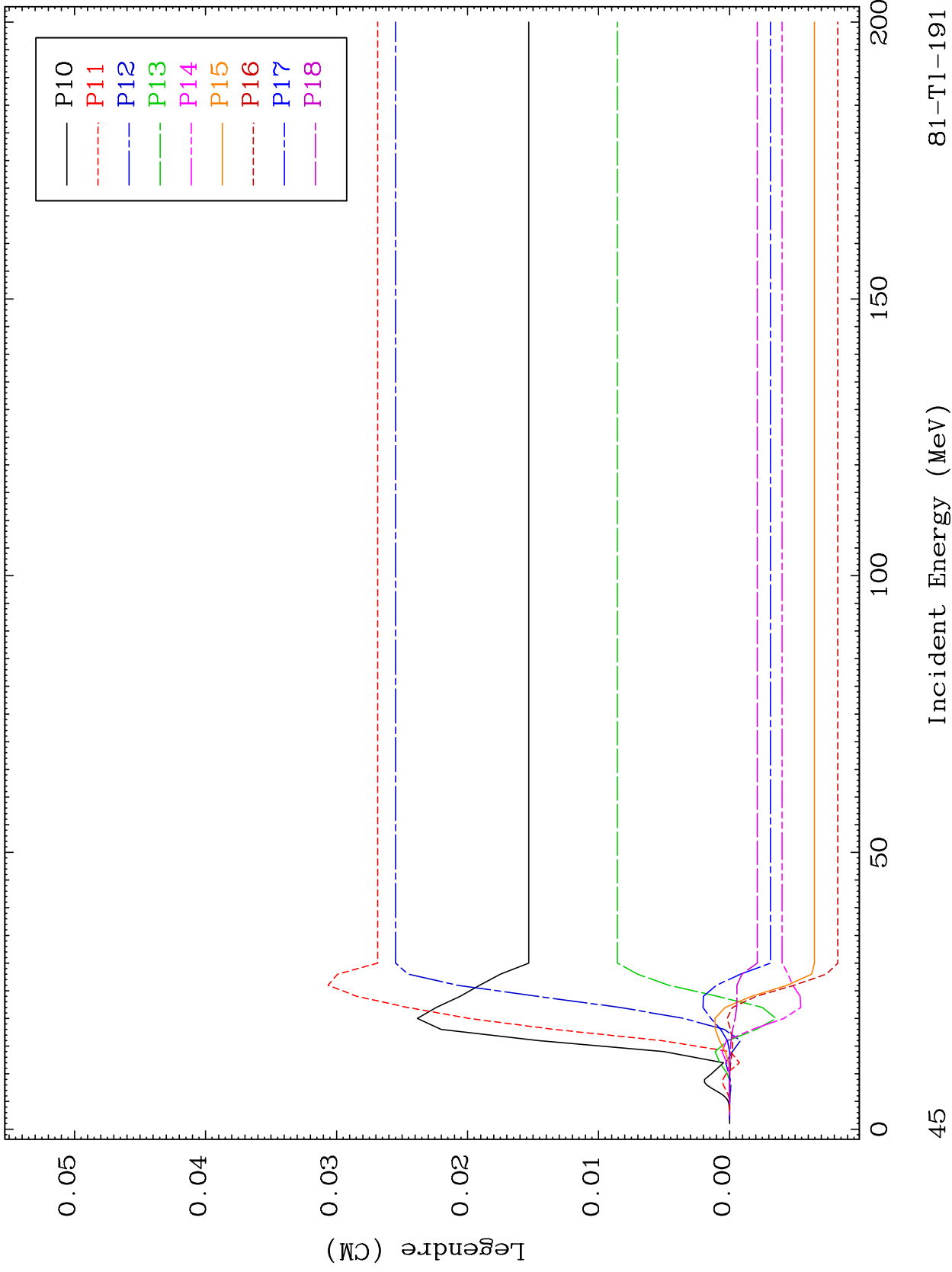
Incident Energy (MeV)

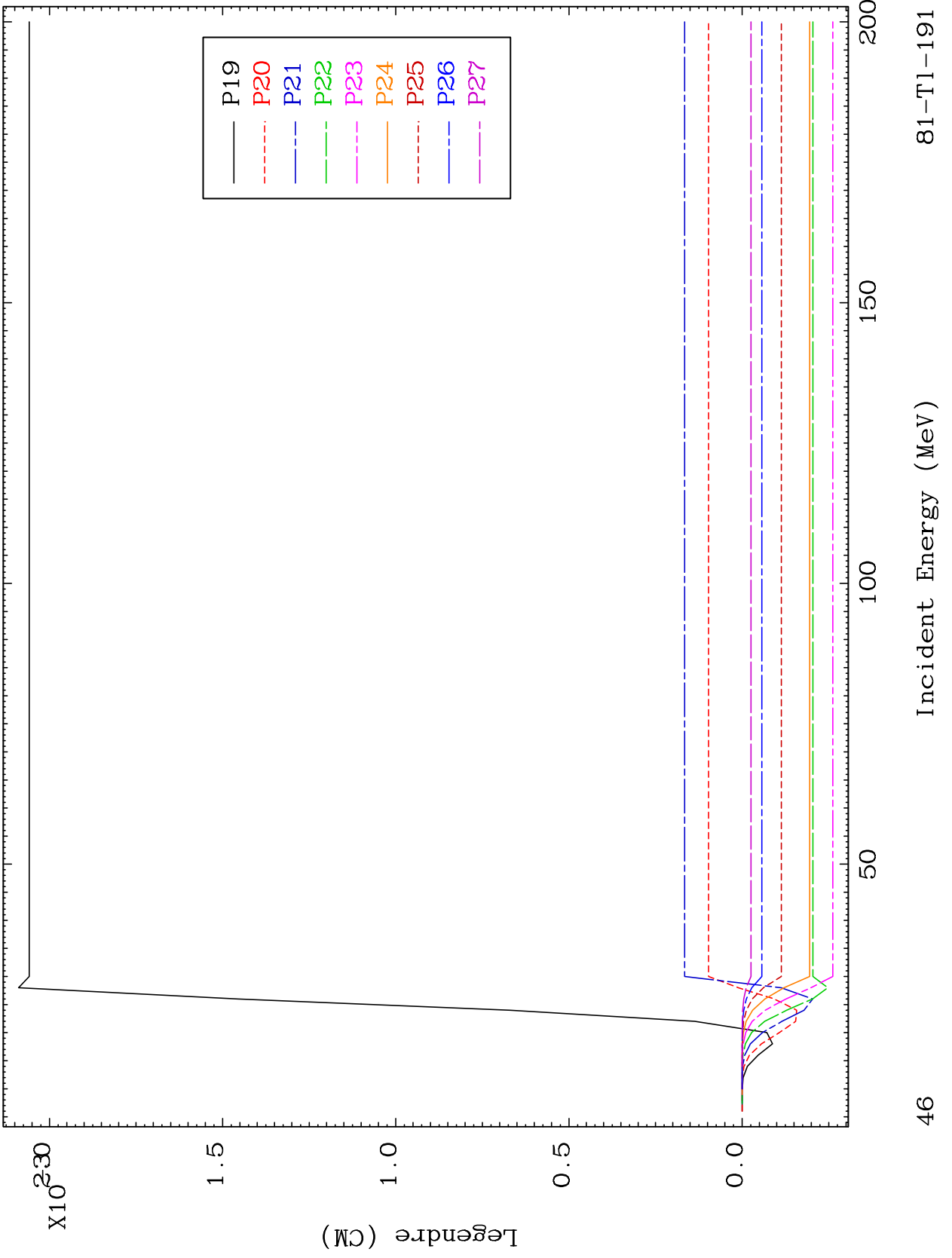
44

MAT 8089

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

81-Tl-191



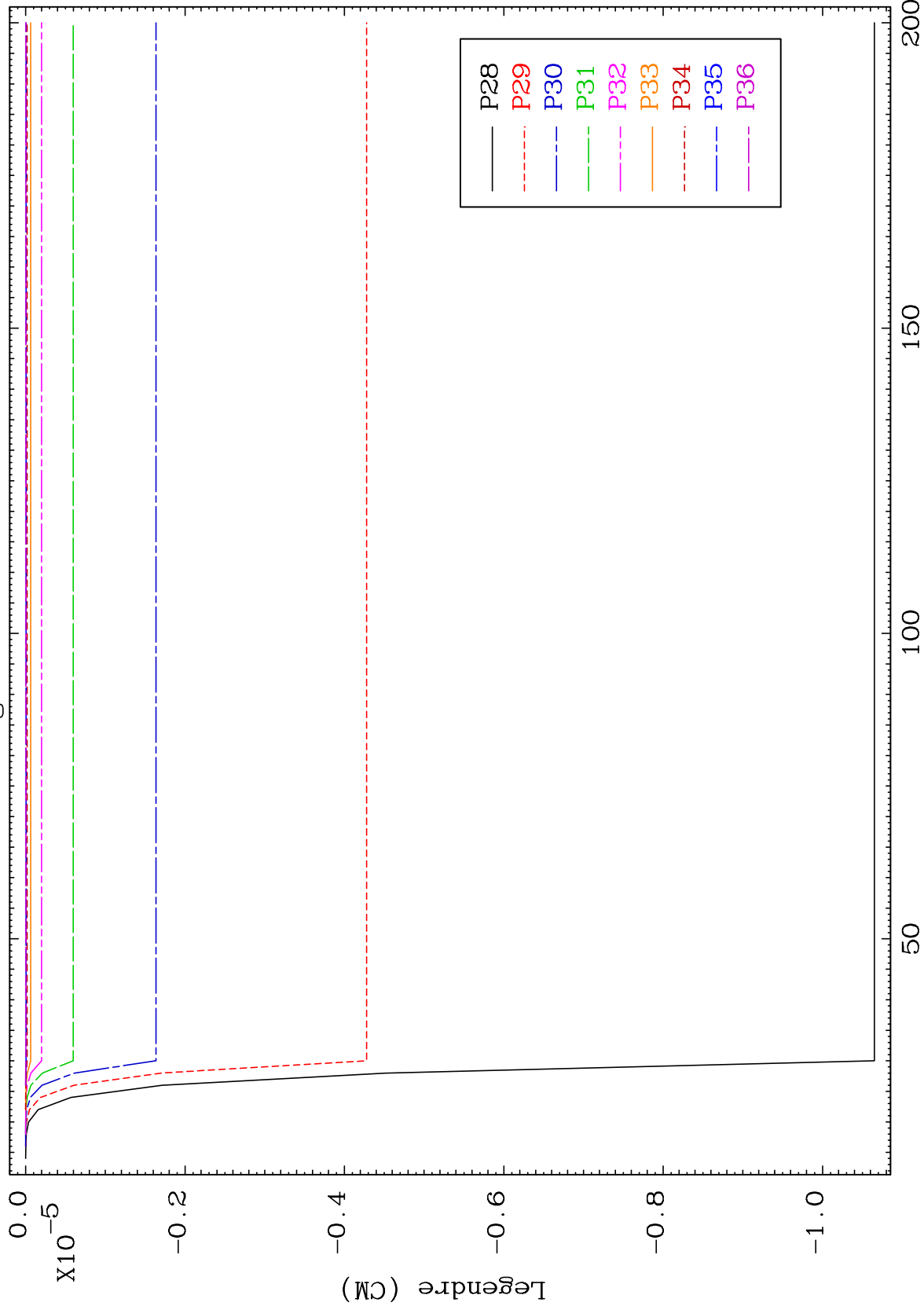


MAT 8089

MT= 57 (n,n') Level

81-Tl-191

Legendre Coefficients



47

Incident Energy (MeV)

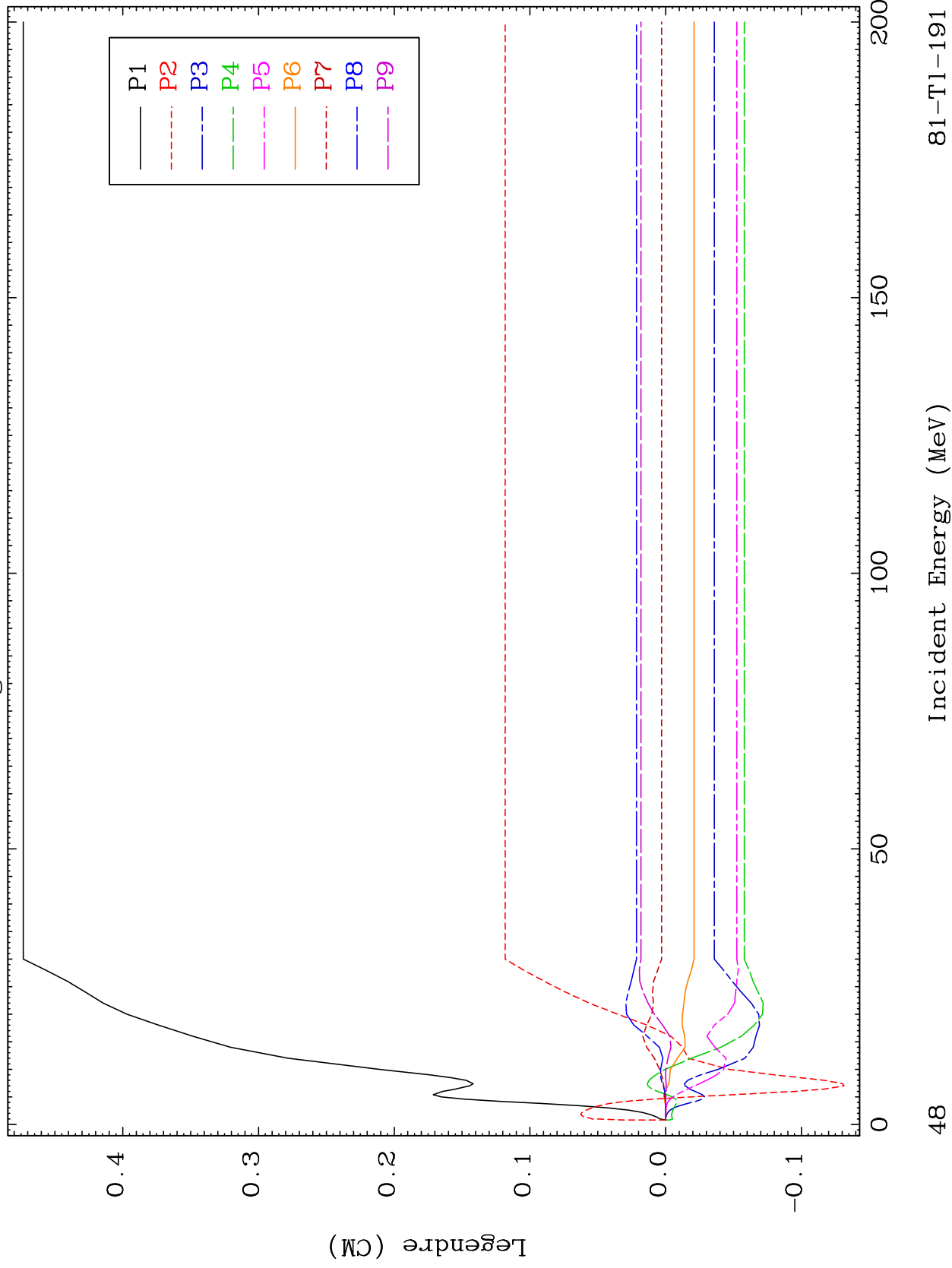
81-Tl-191



MAT 8089

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

81-T1-191



81-T1-191

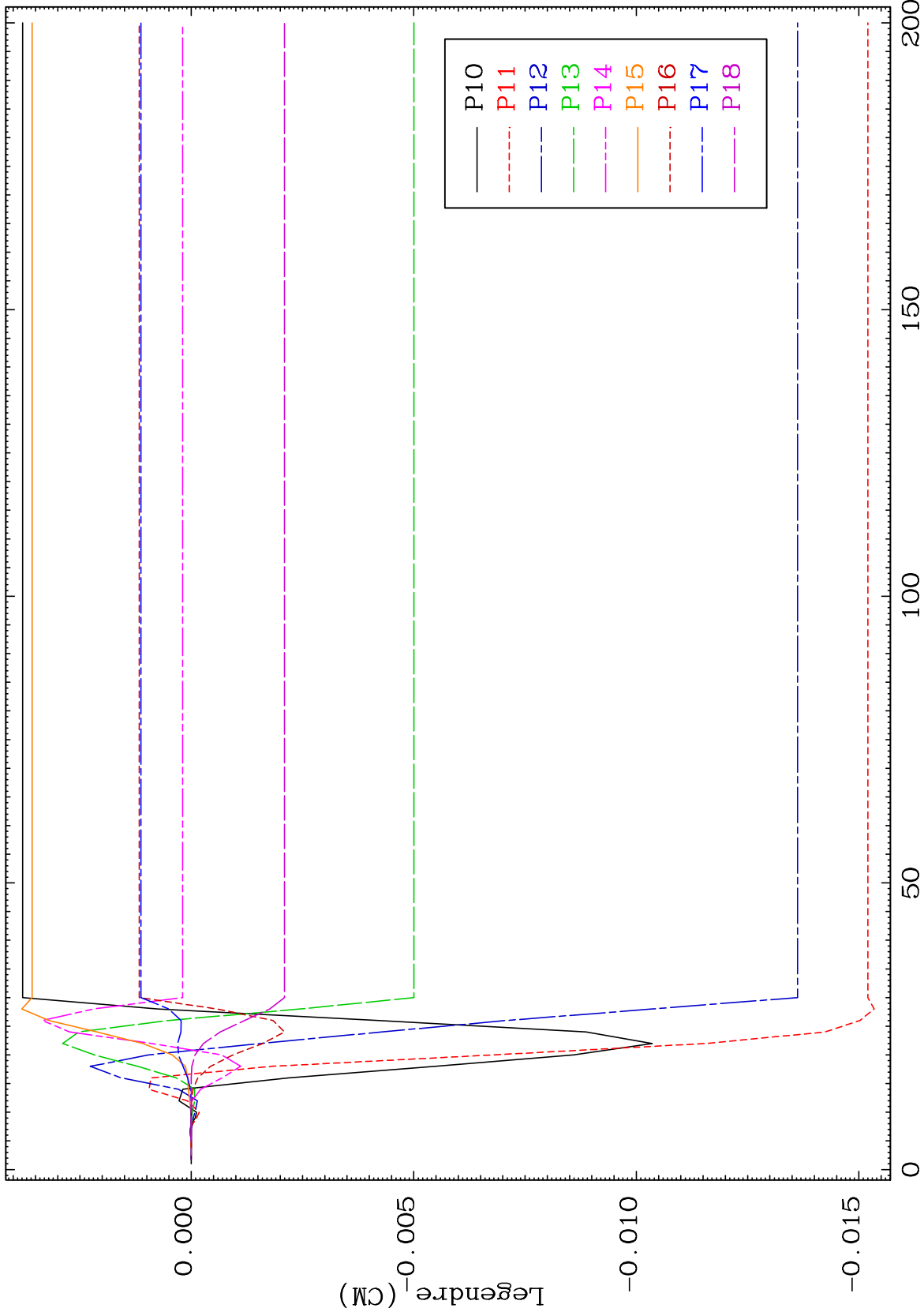
Incident Energy (MeV)

48

MAT 8089

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

81-Tl-191



49

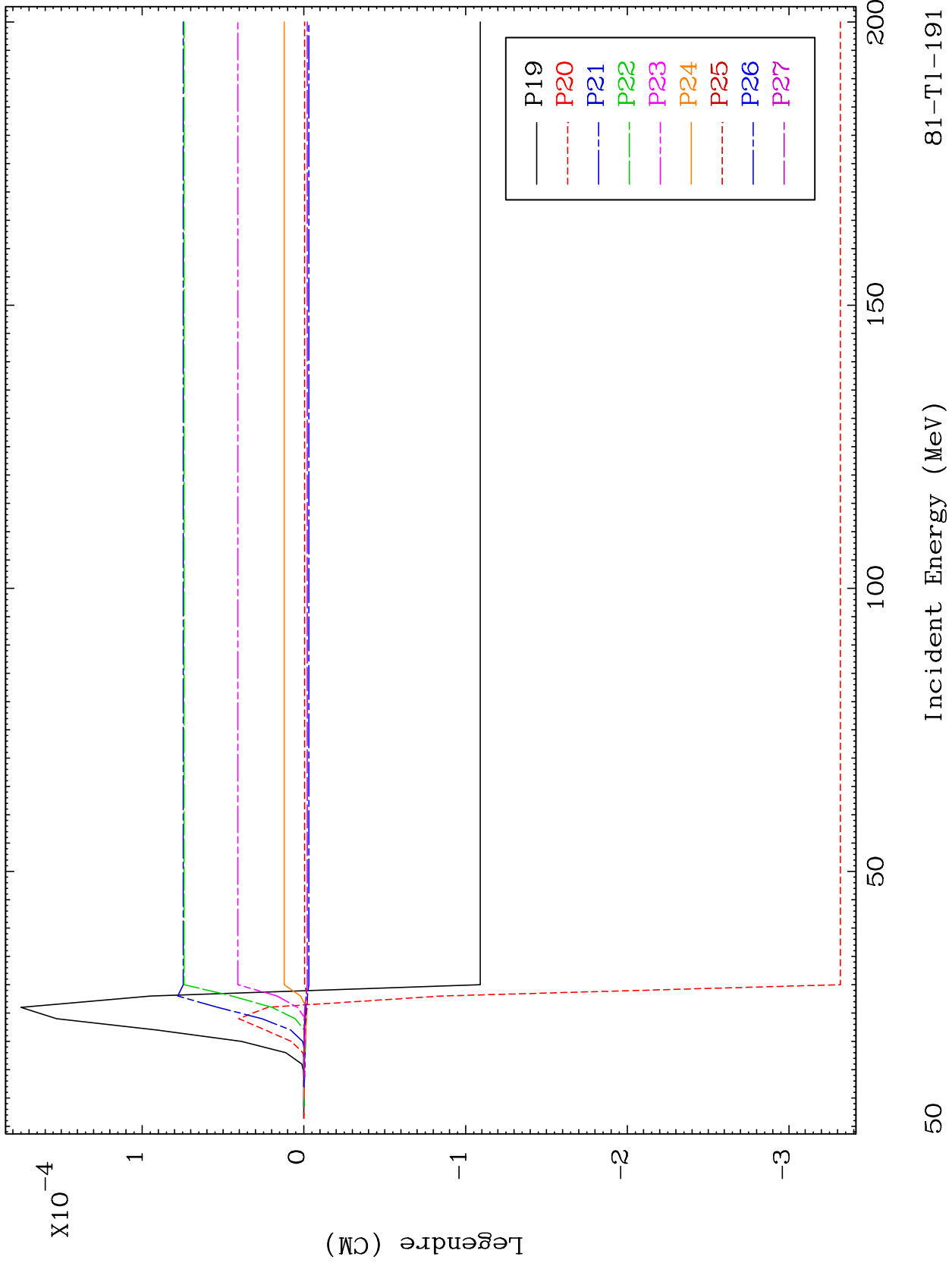
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



50

50

100

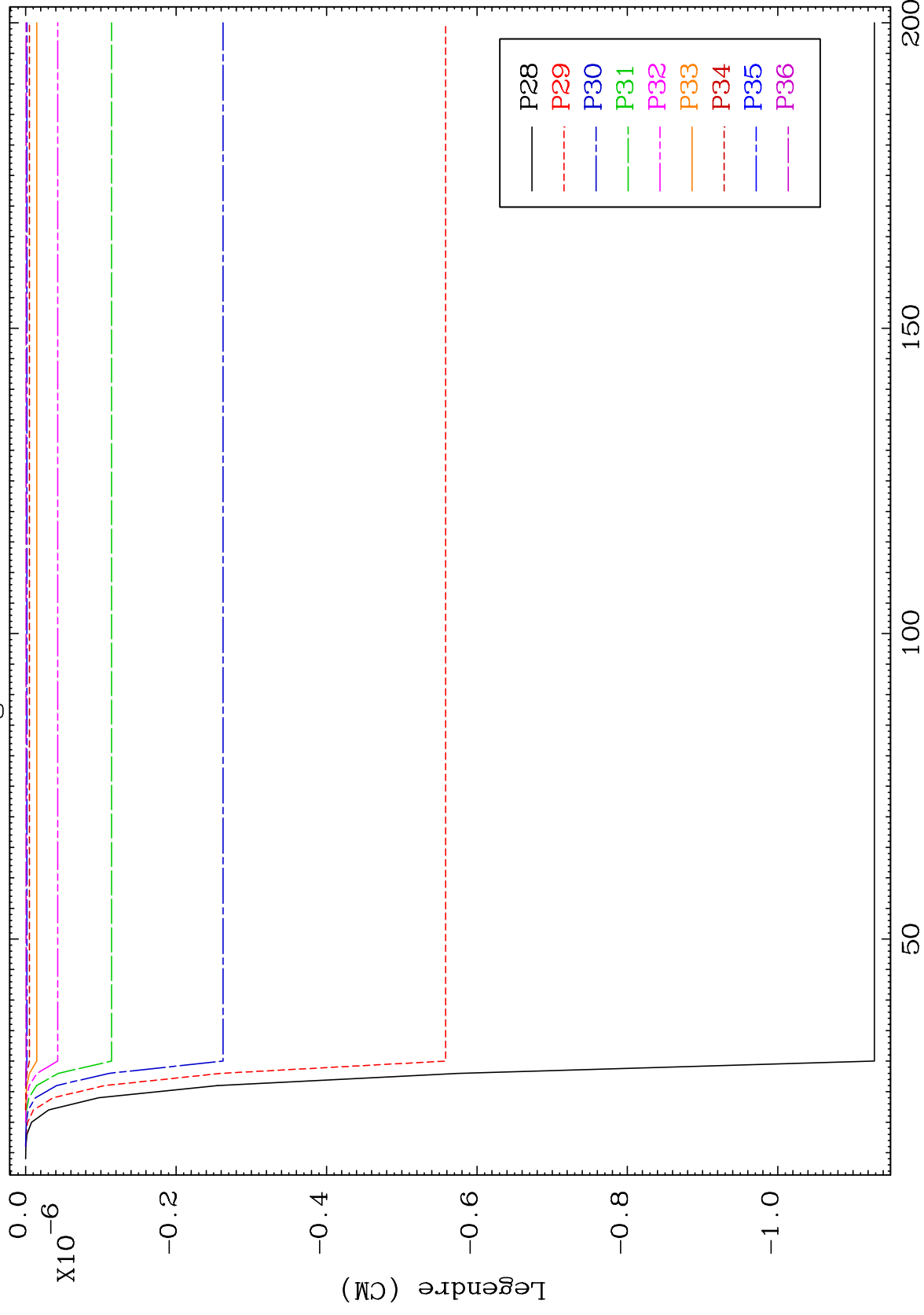
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MAT 8089

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

81-Tl-191



51

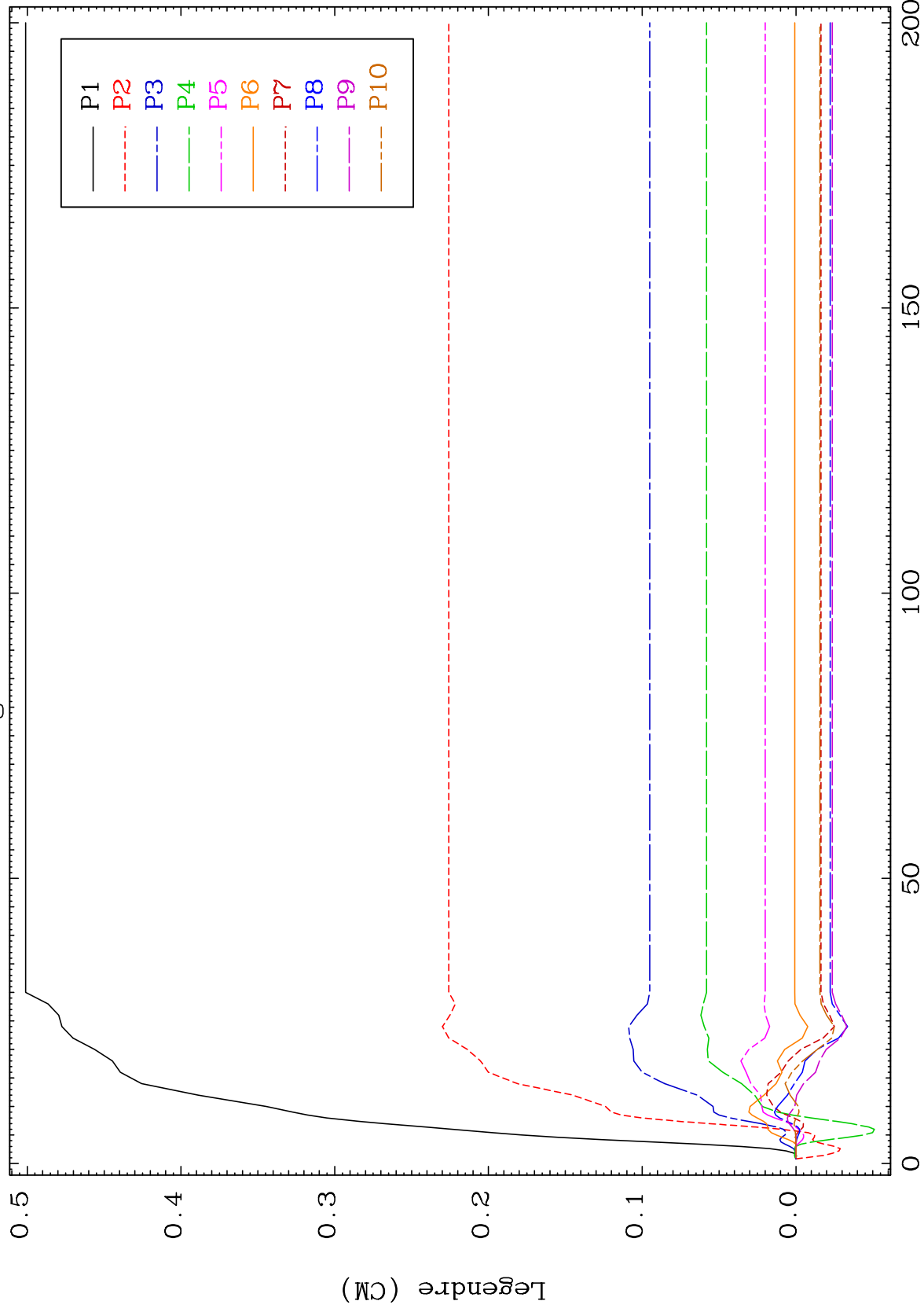
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



52

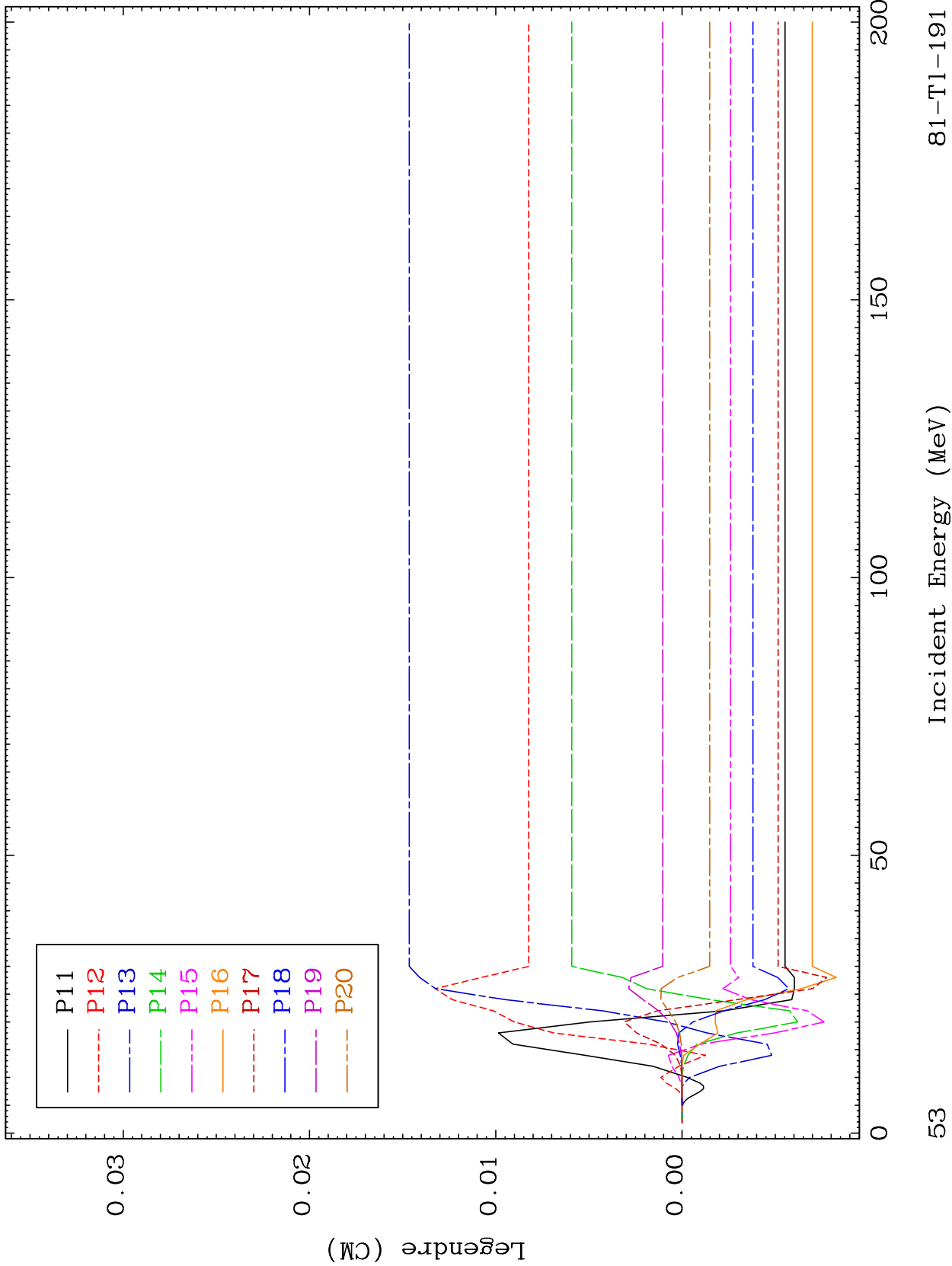
Incident Energy (MeV)

81-Tl-191

MAT 8089

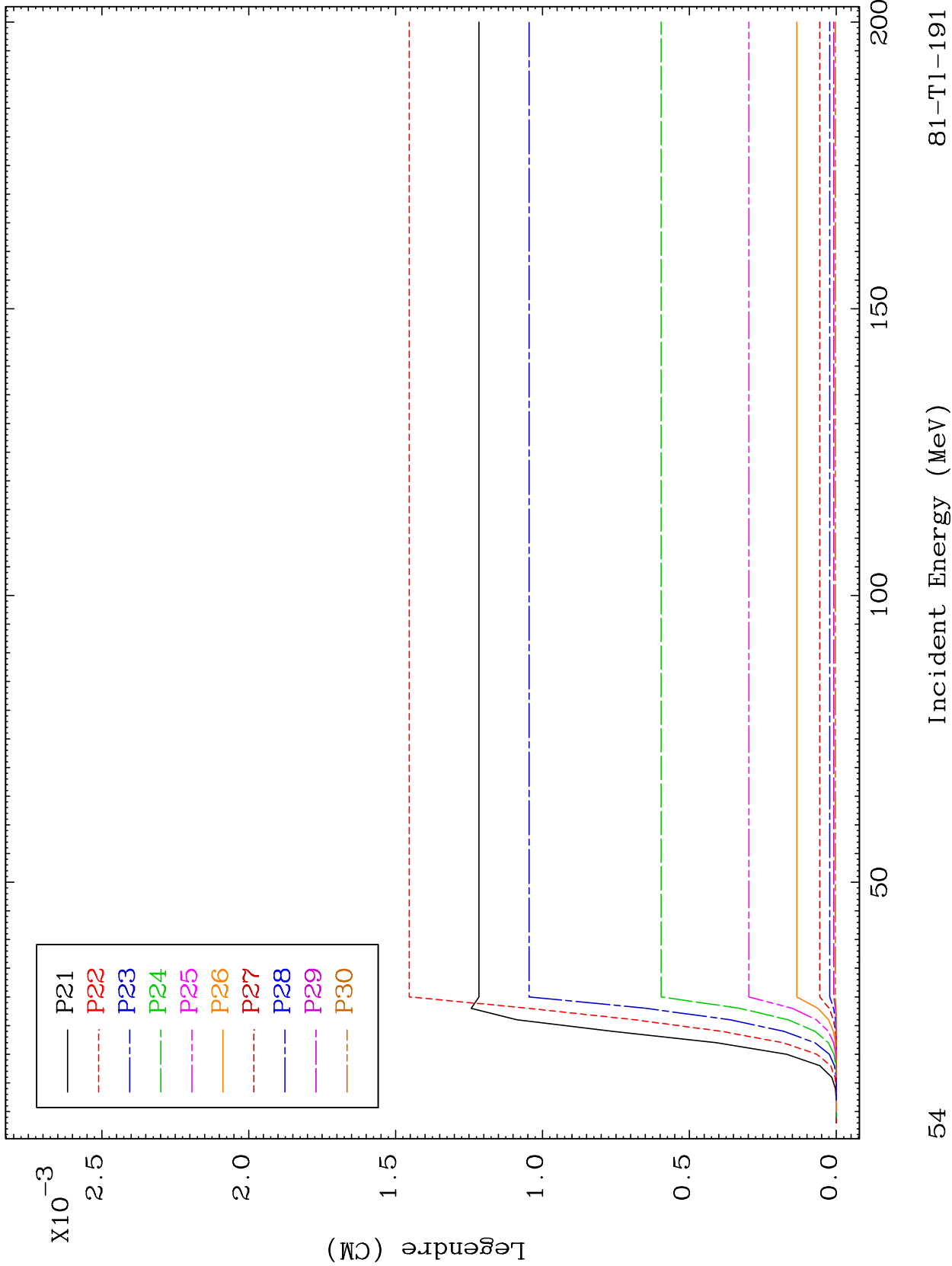
MT= 59 (n,n') Level  
Legendre Coefficients

81-Tl-191



53

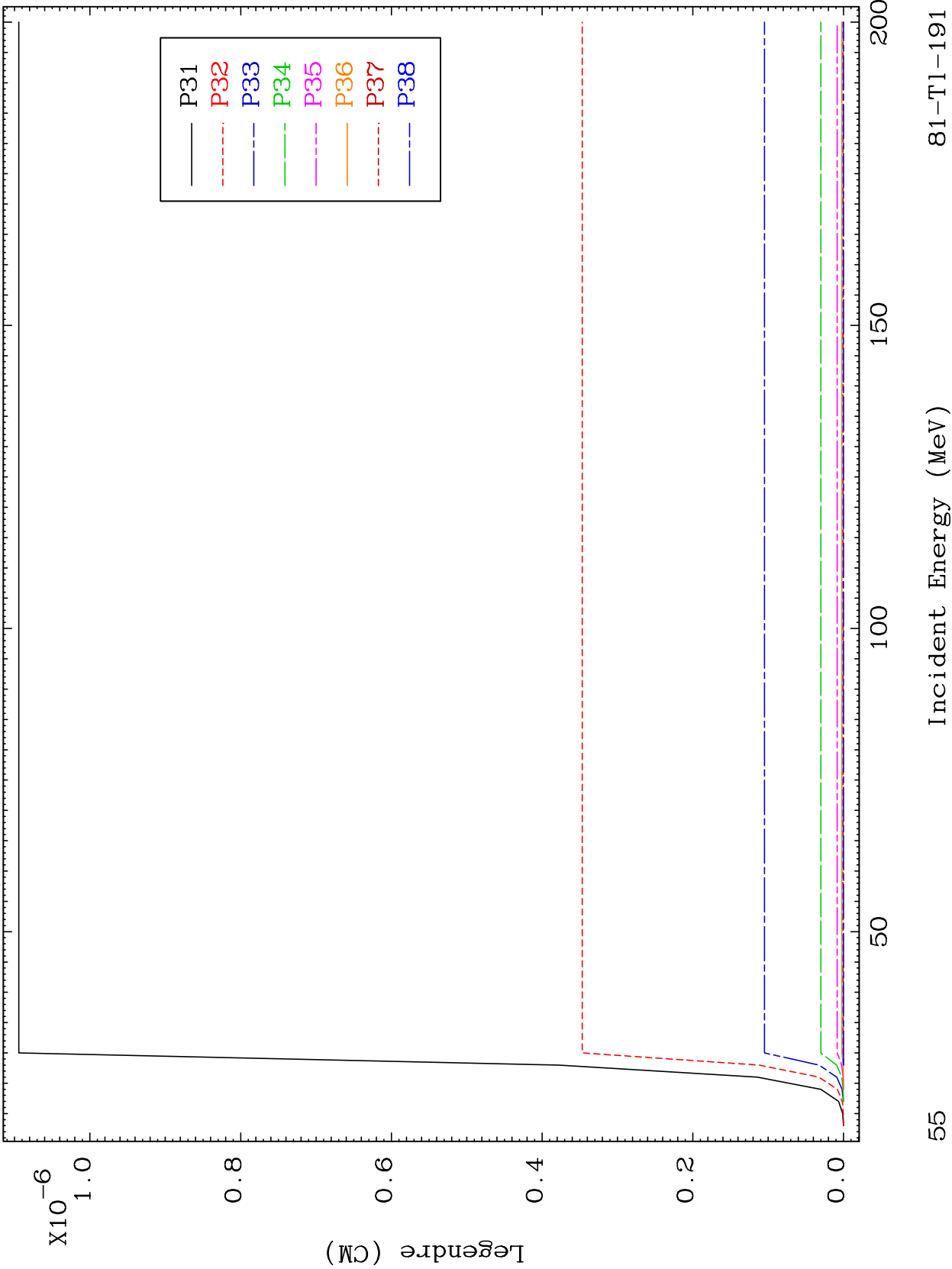
81-Tl-191



MAT 8089

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

81-Tl-191



55

Incident Energy (MeV)

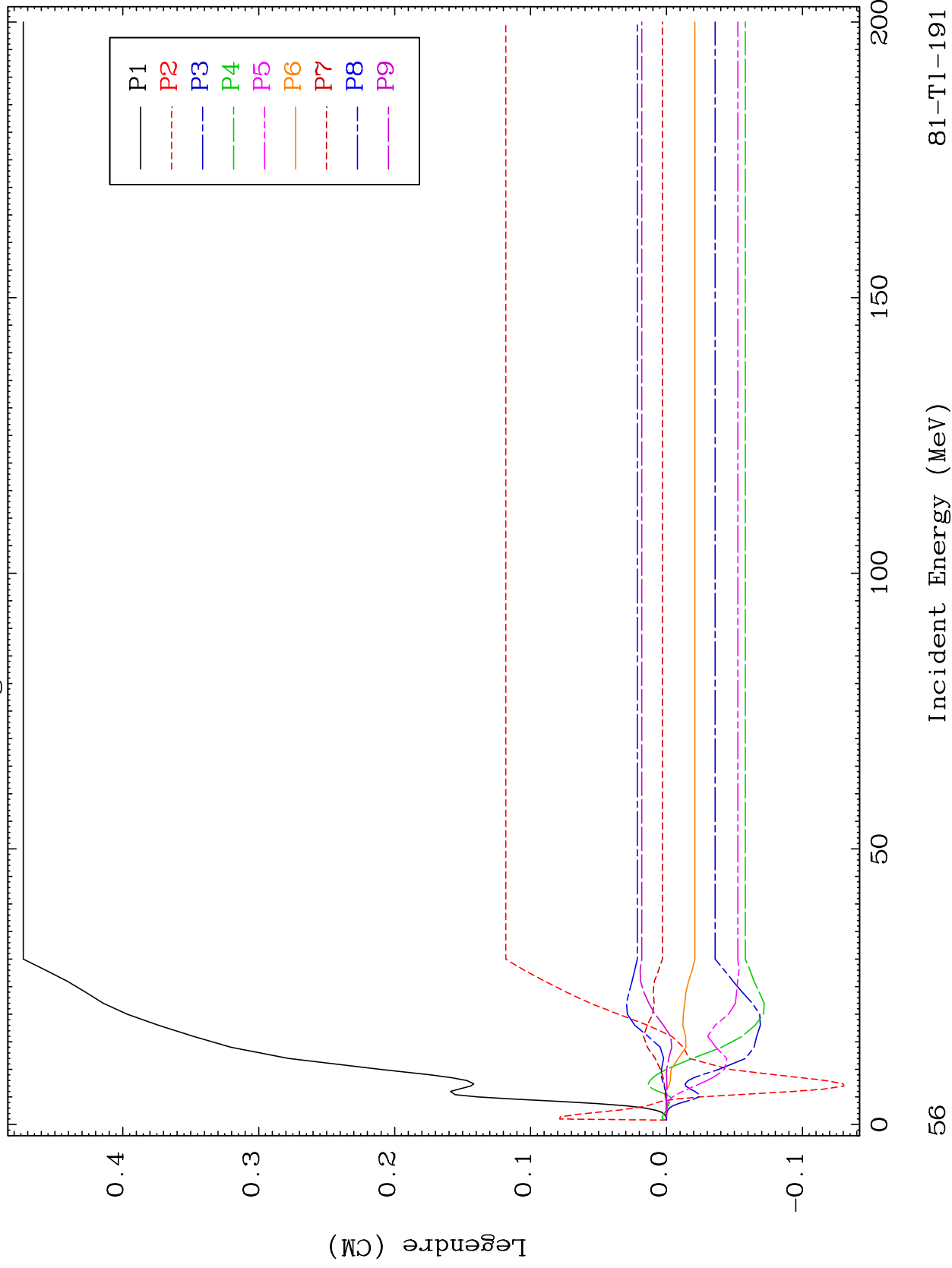
81-Tl-191



MAT 8089

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

81-Tl-191



81-Tl-191

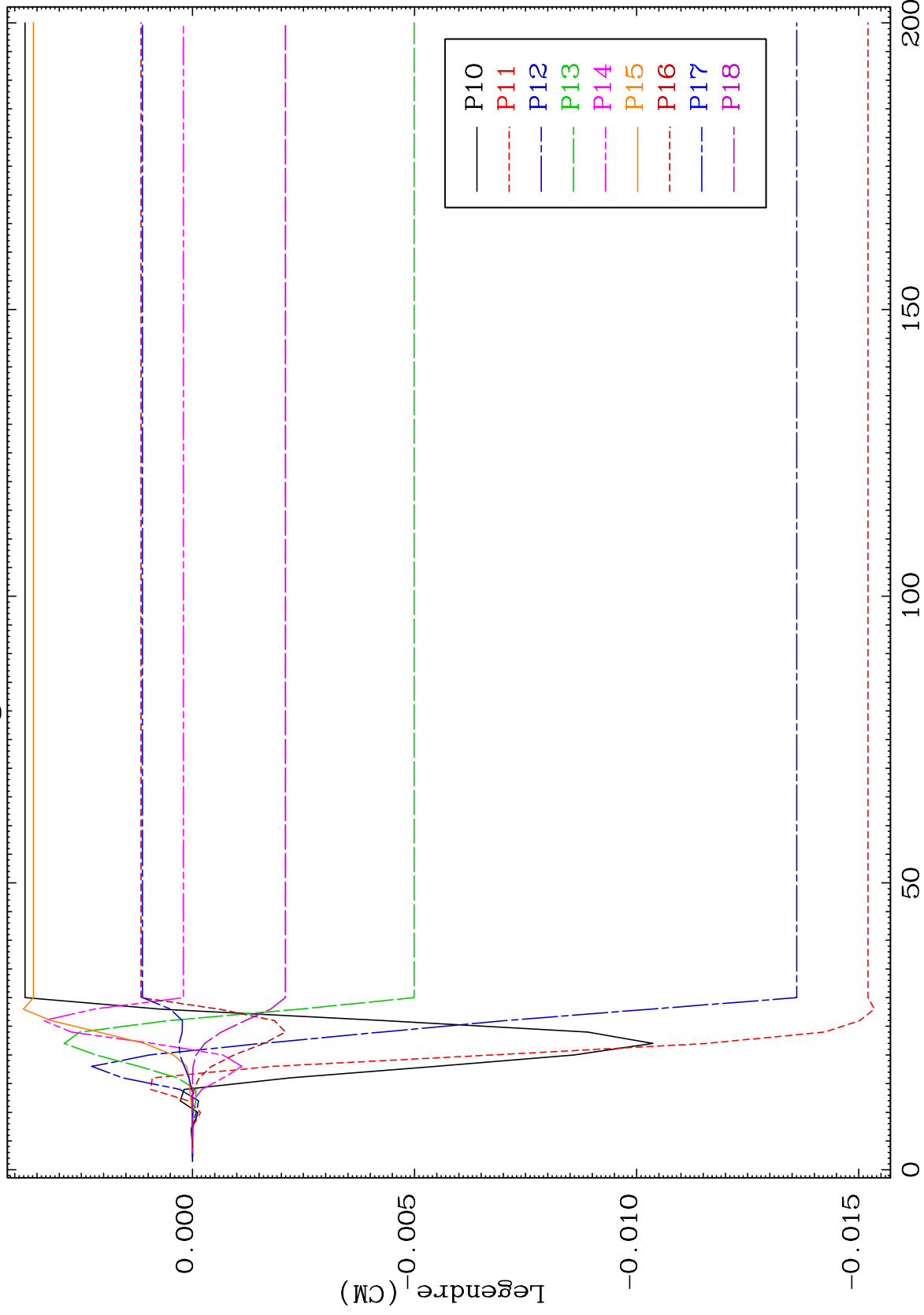
Incident Energy (MeV)

56

MAT 8089

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

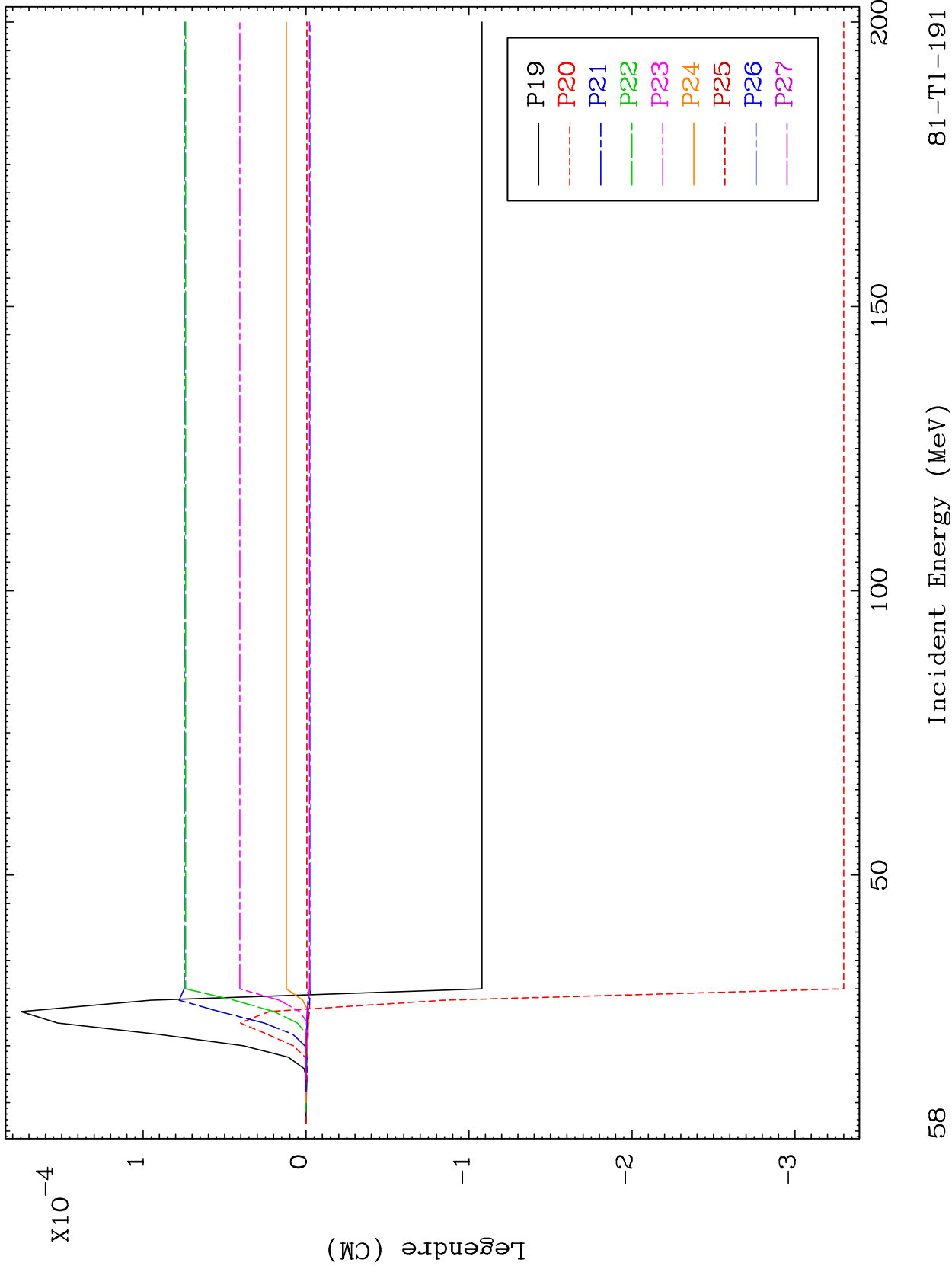
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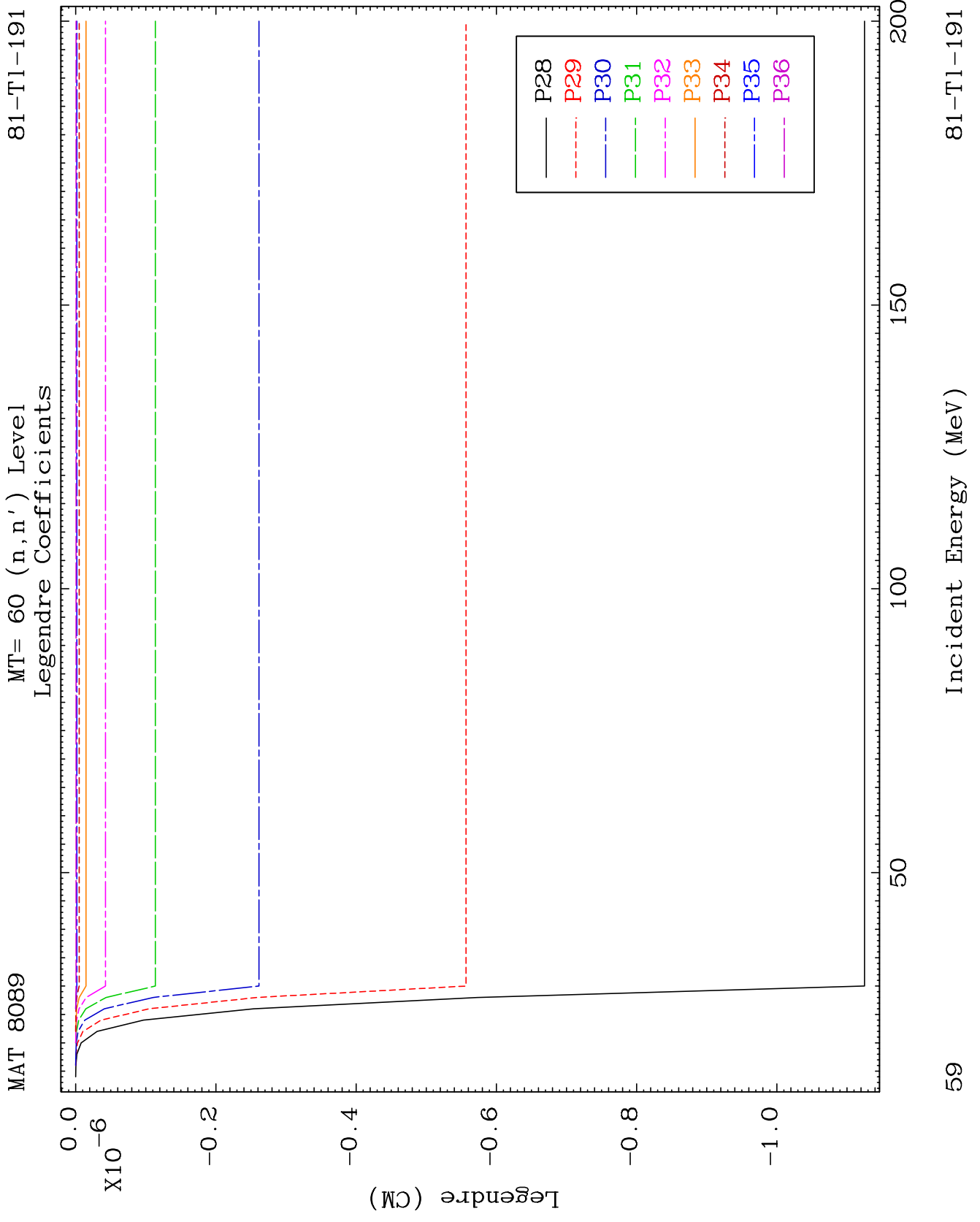


57

Incident Energy (MeV)

81-Tl-191

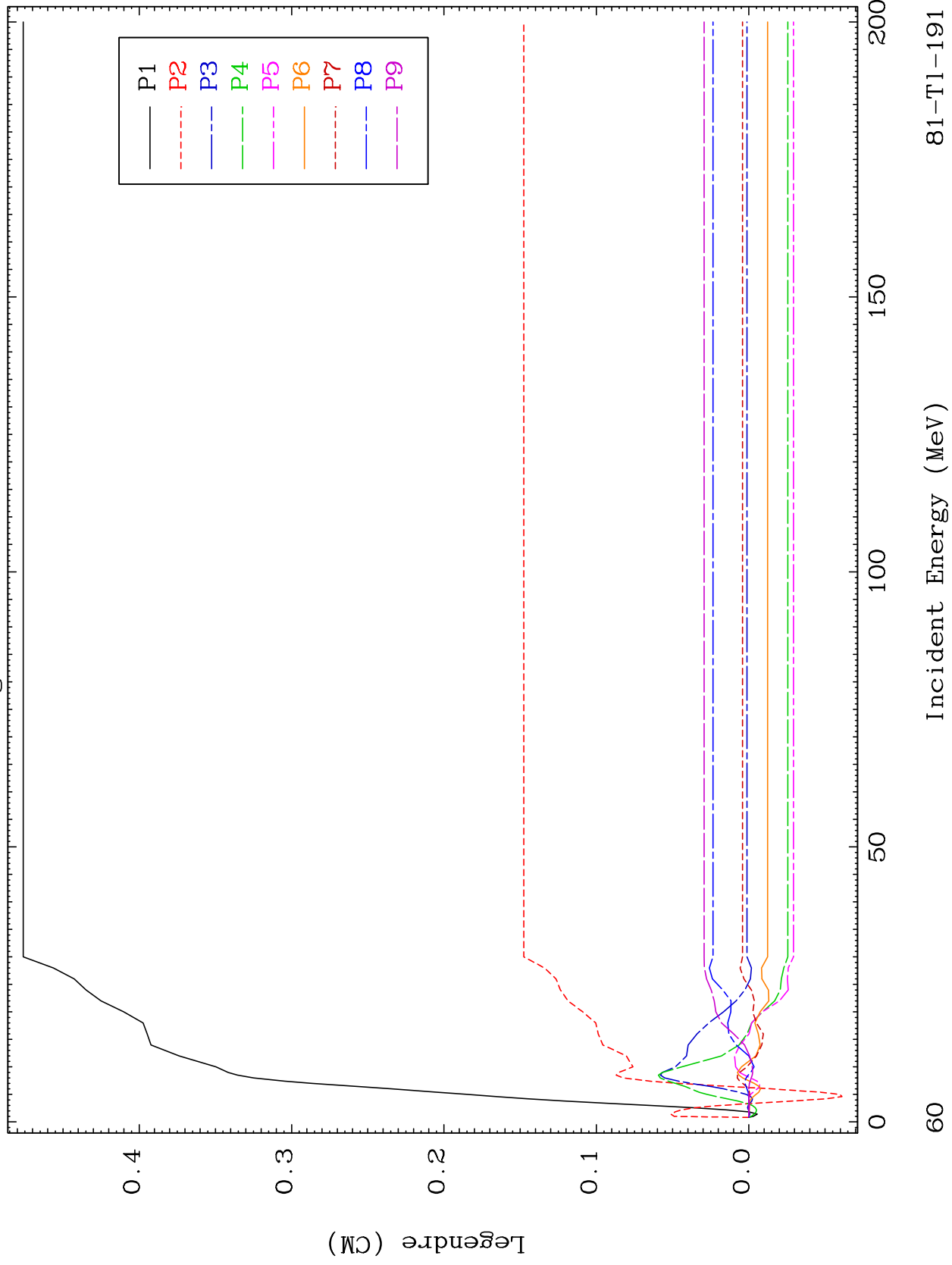




MAT 8089

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

81-Tl-191



81-Tl-191

Incident Energy (MeV)

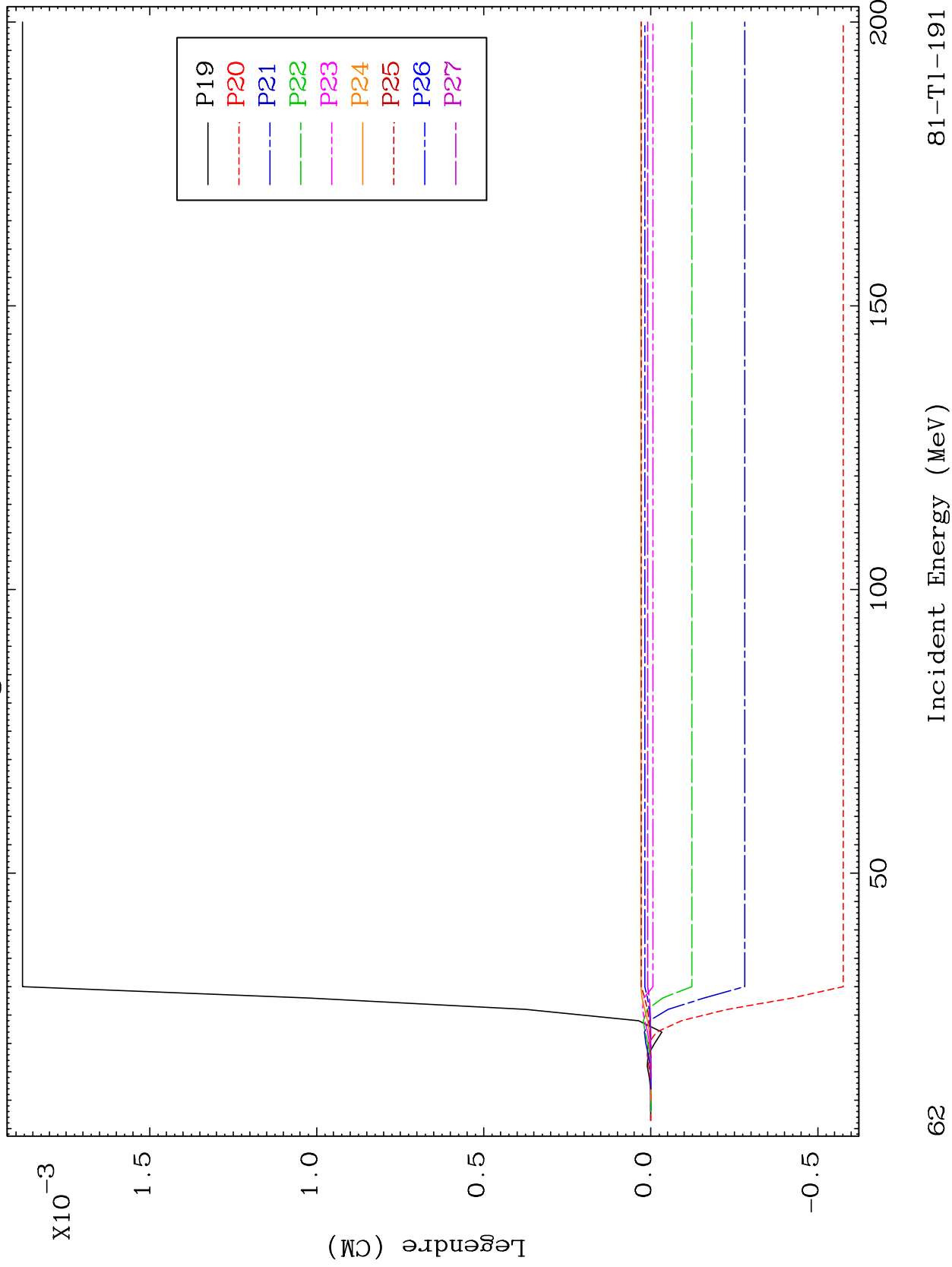
60



MAT 8089

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

81-Tl-191



62

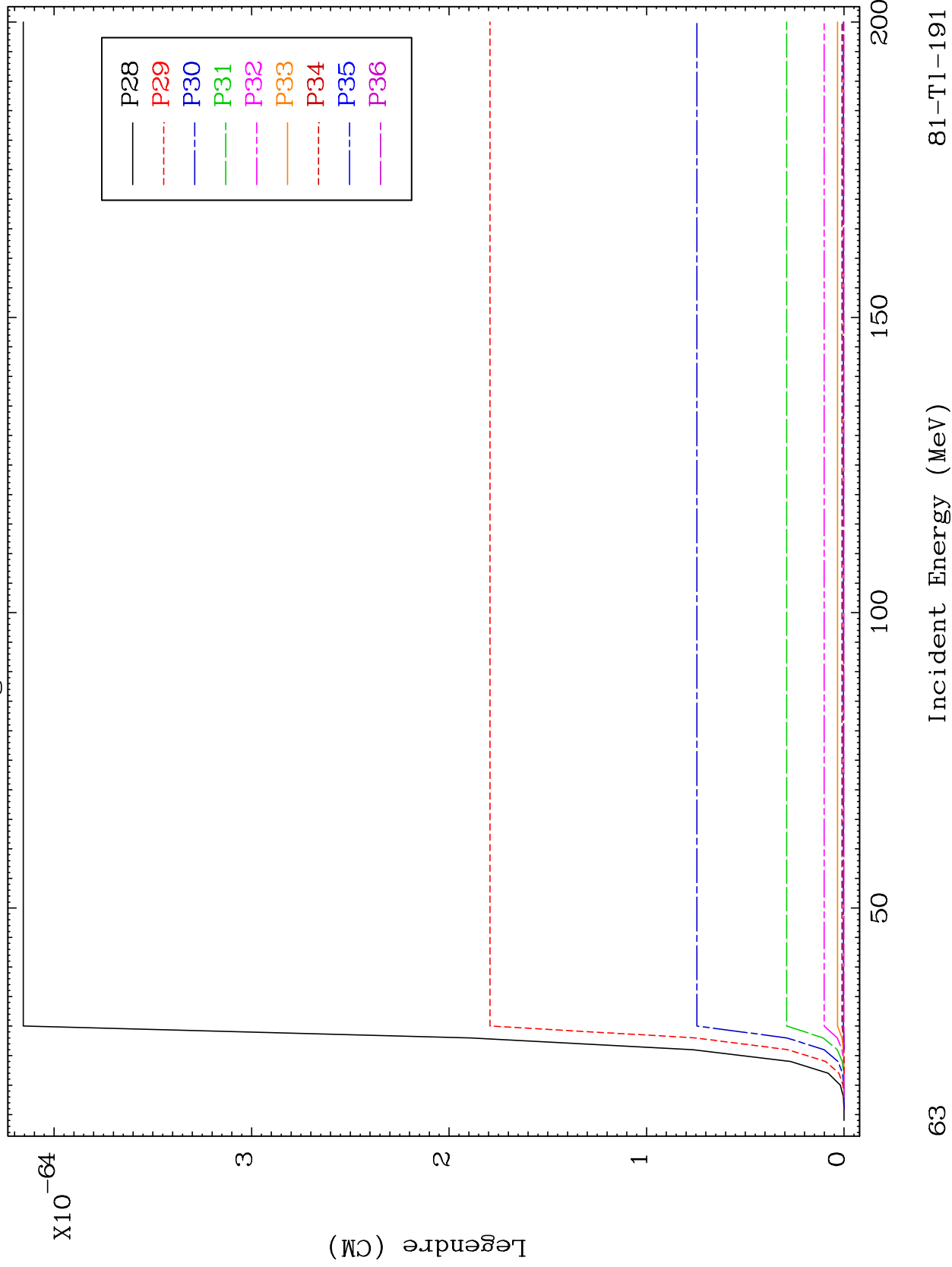
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



63

81-Tl-191

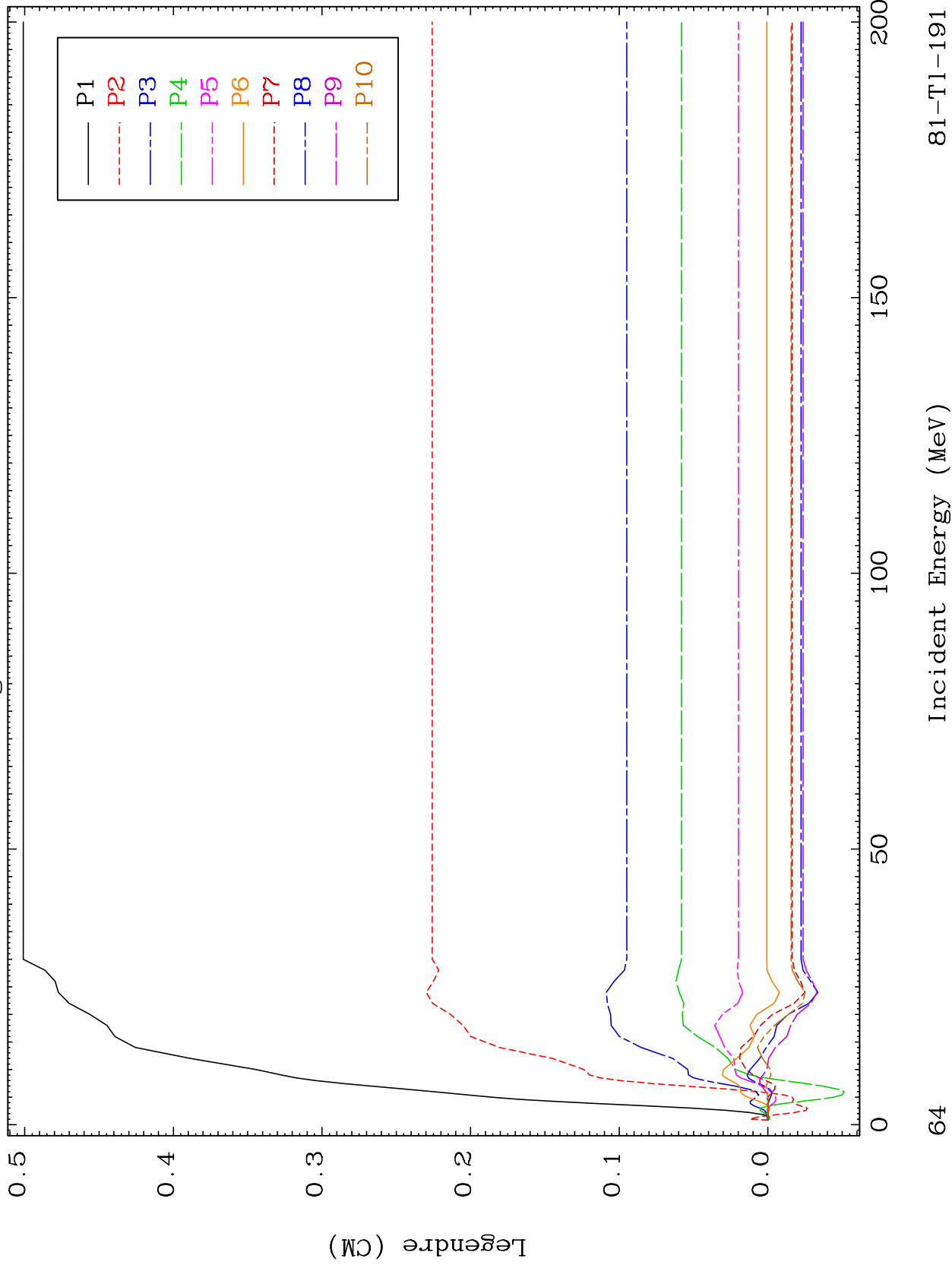


MAT 8089

MT= 62 (n,n') Level

81-Tl-191

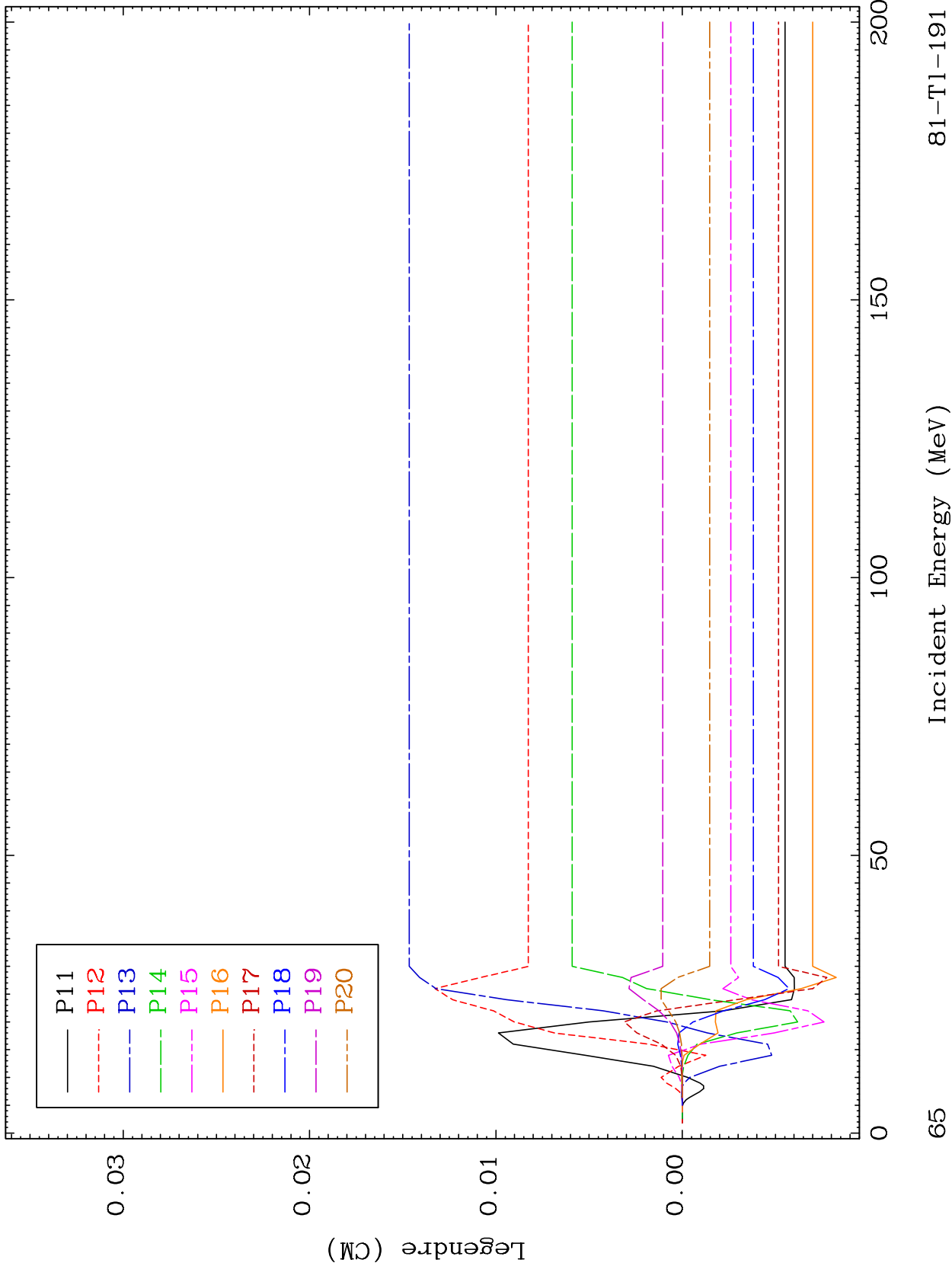
Legendre Coefficients

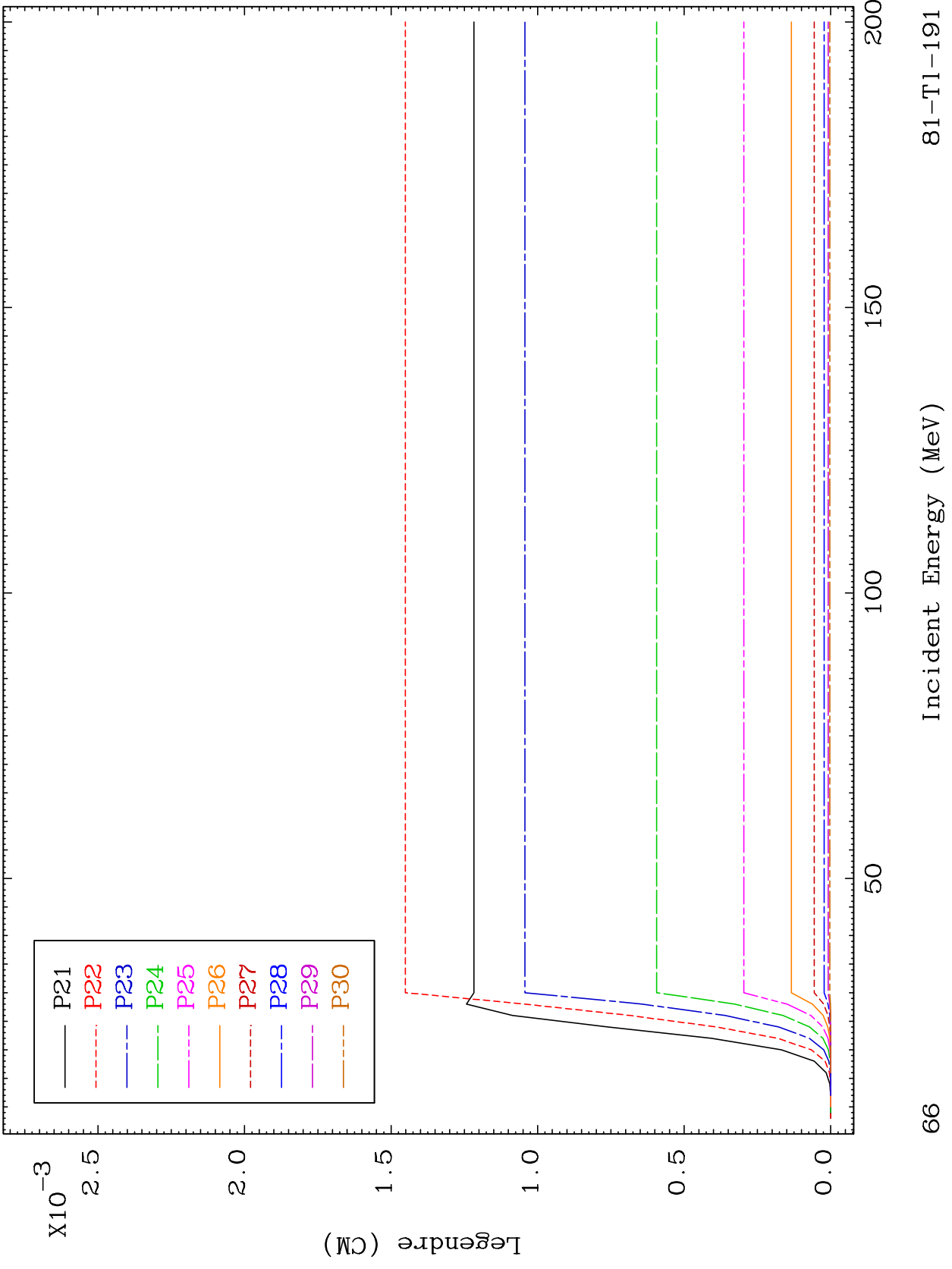


MAT 8089

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

81-Tl-191

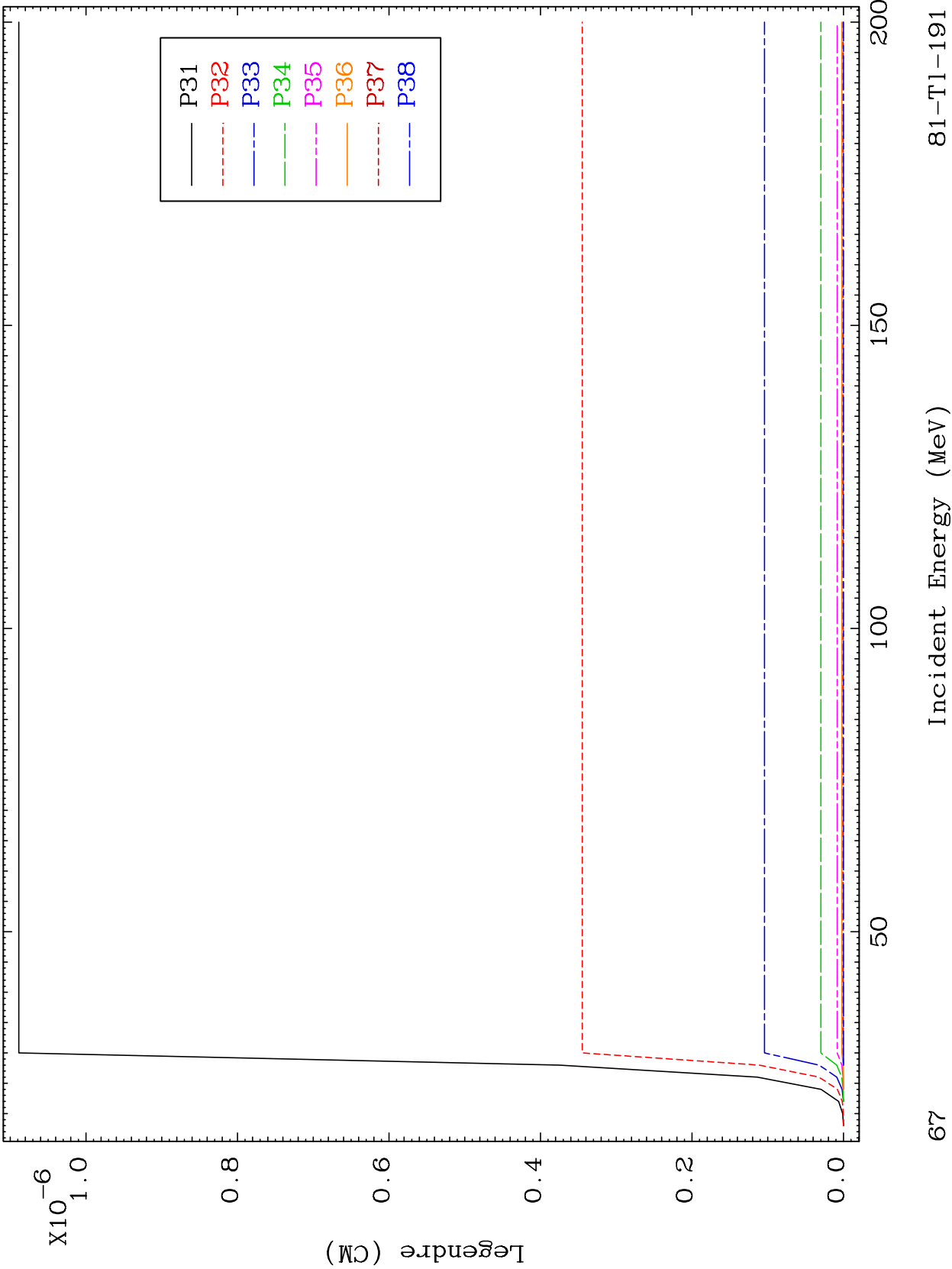




MAT 8089

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

81-Tl-191



67

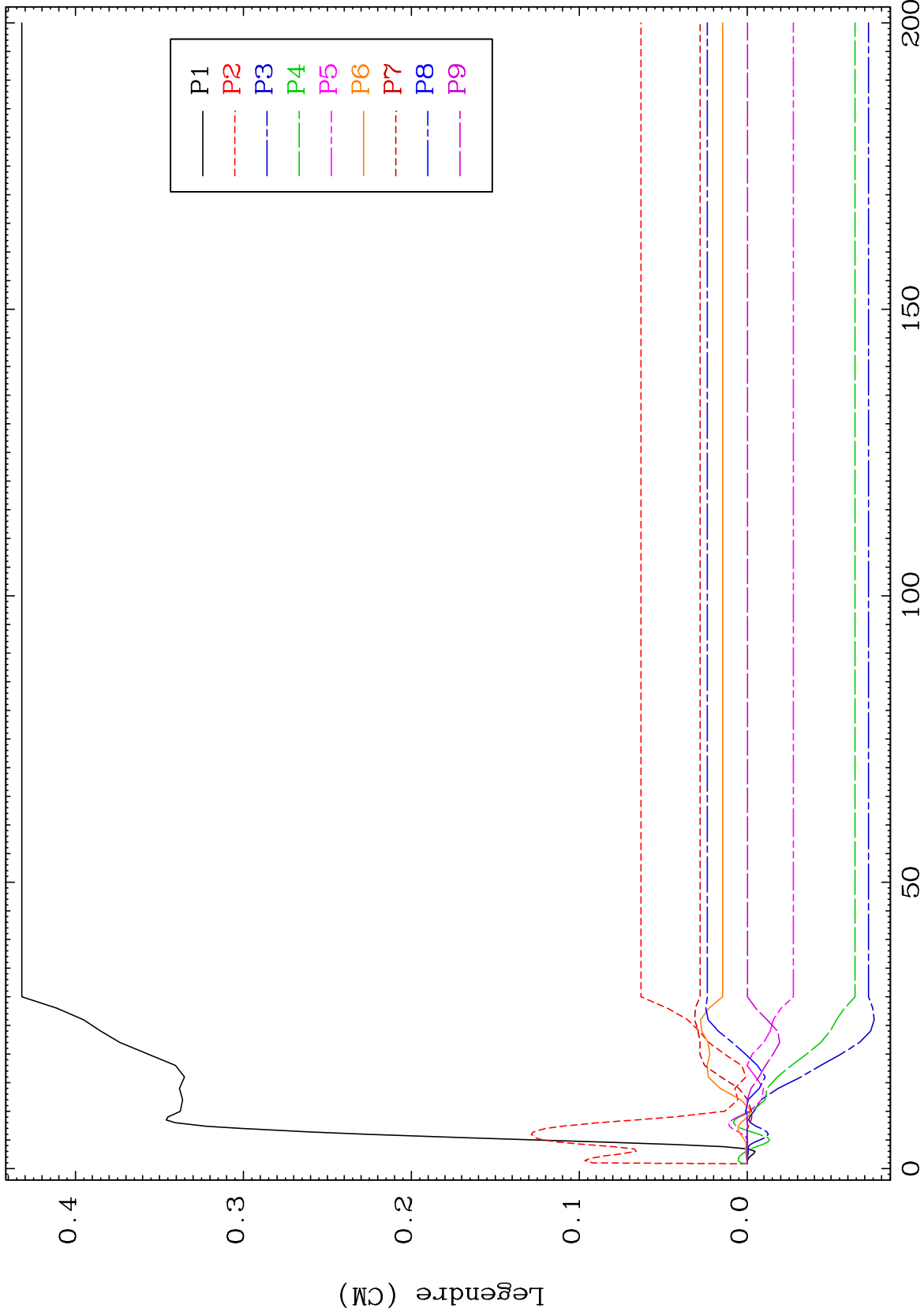
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



68

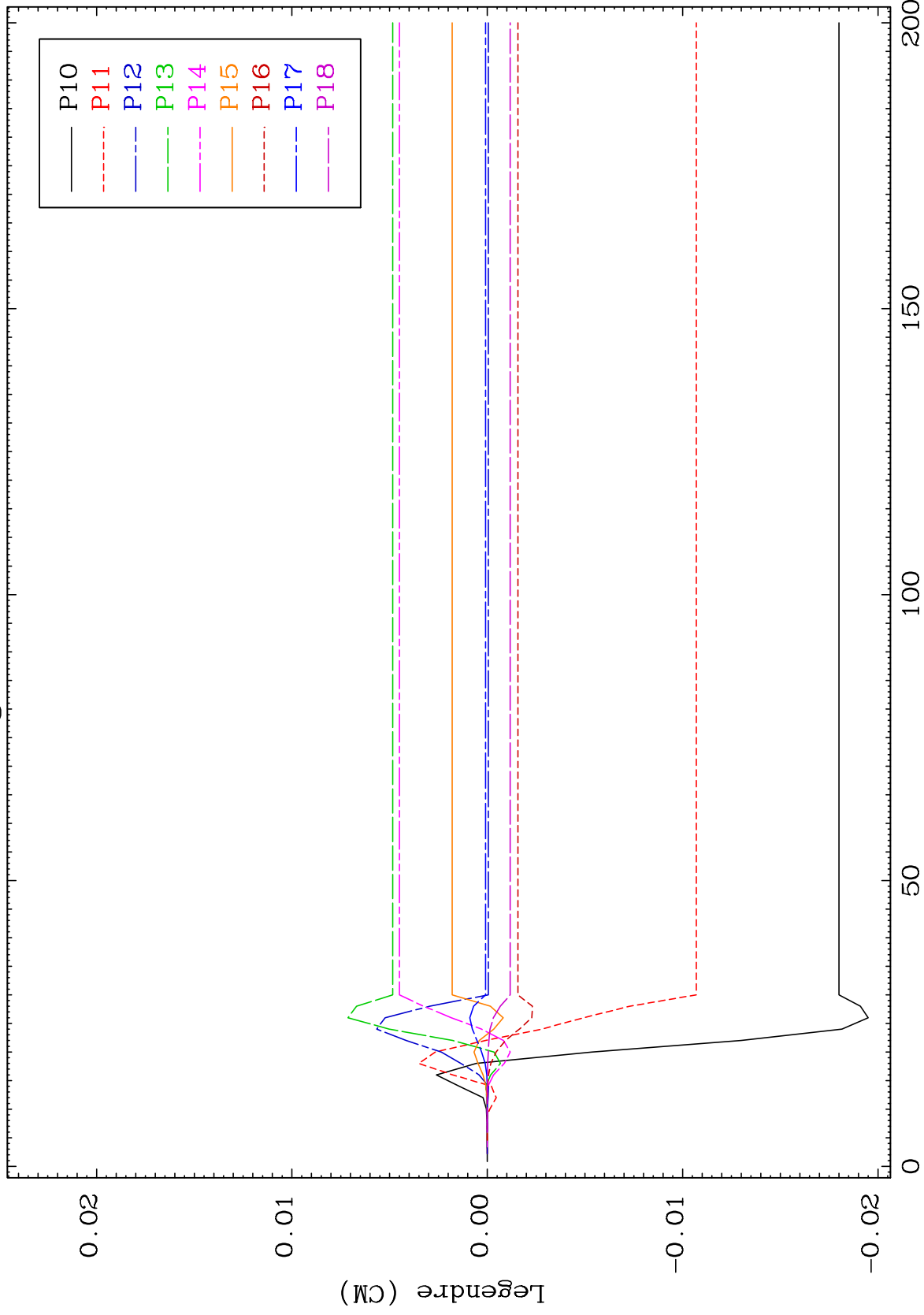
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



69

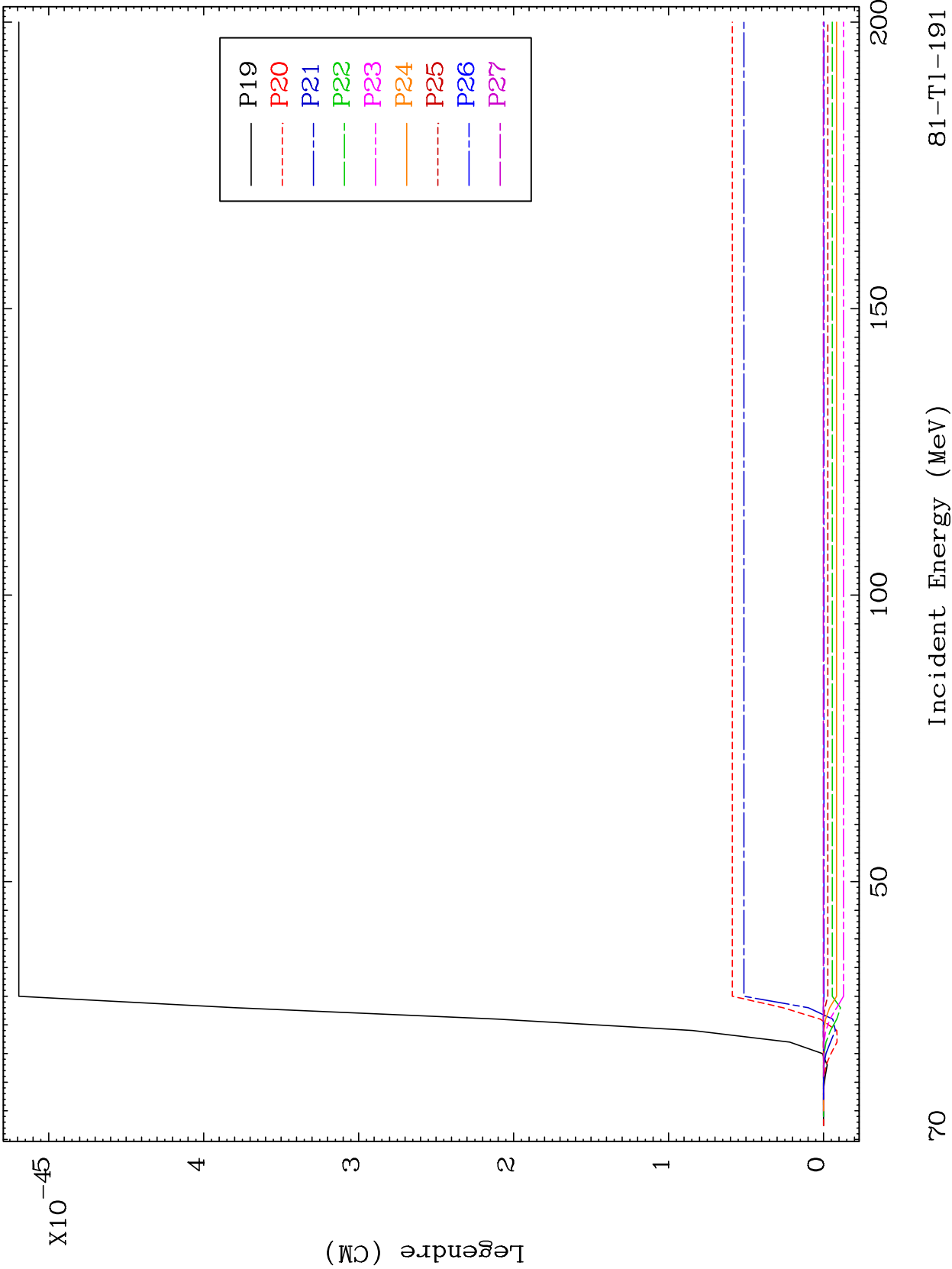
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

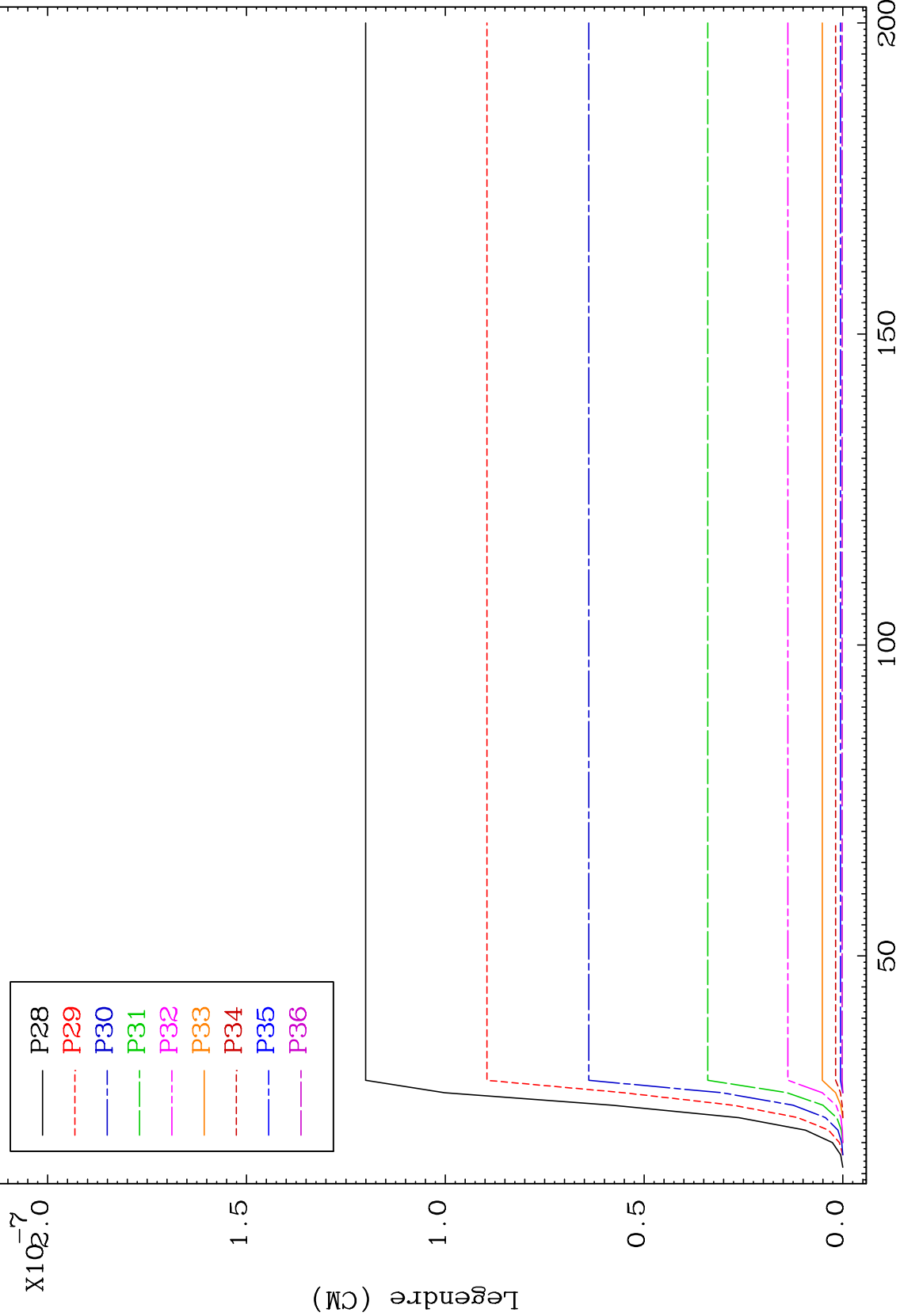
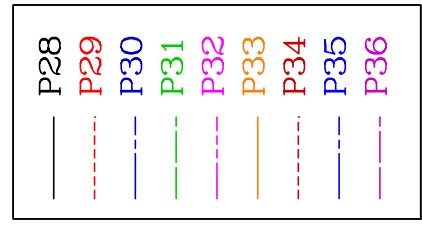
81-Tl-191



MAT 8089

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

81-Tl-191



71

Incident Energy (MeV)

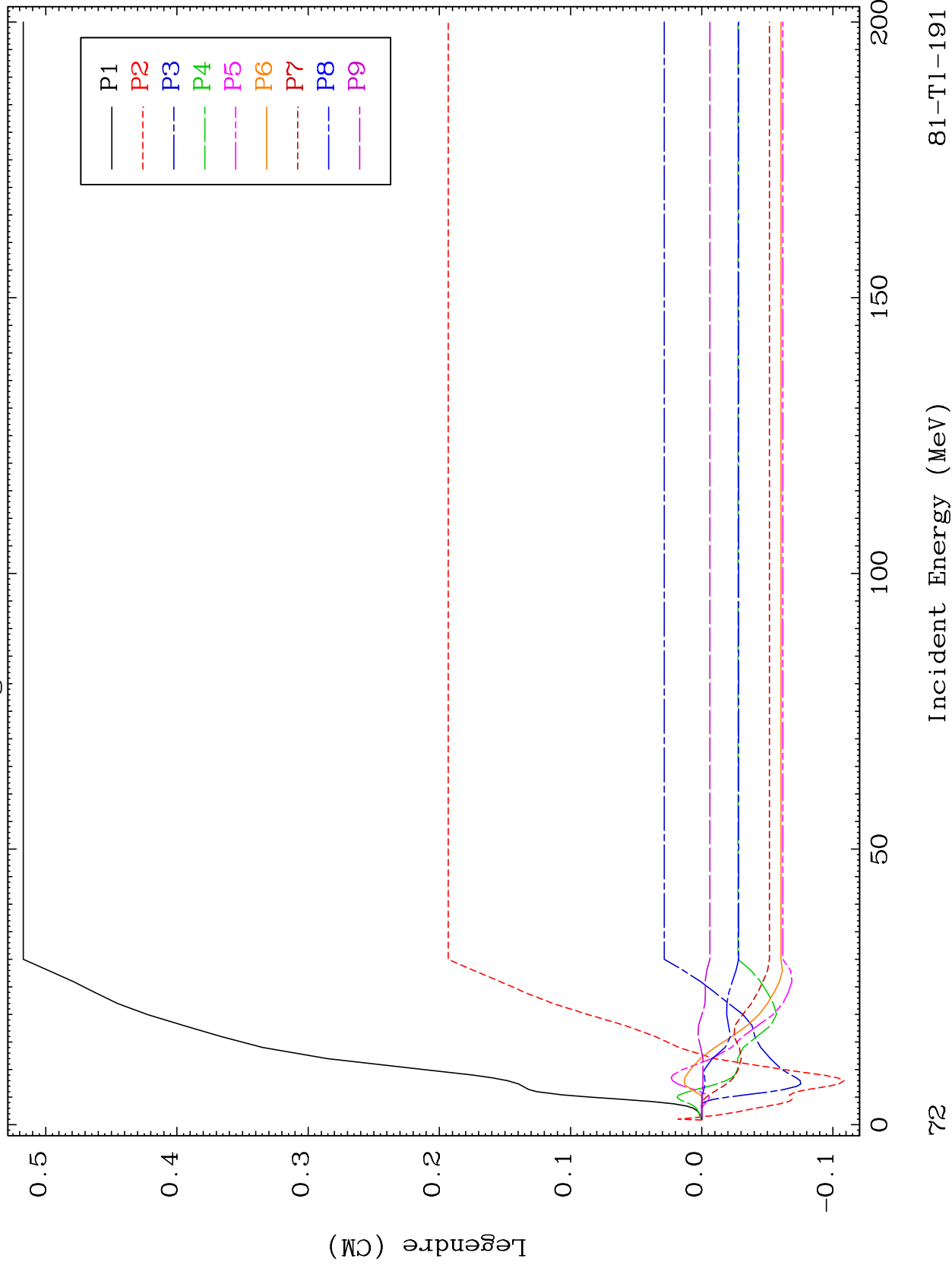
81-Tl-191



MAT 8089

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

81-T1-191



81-T1-191

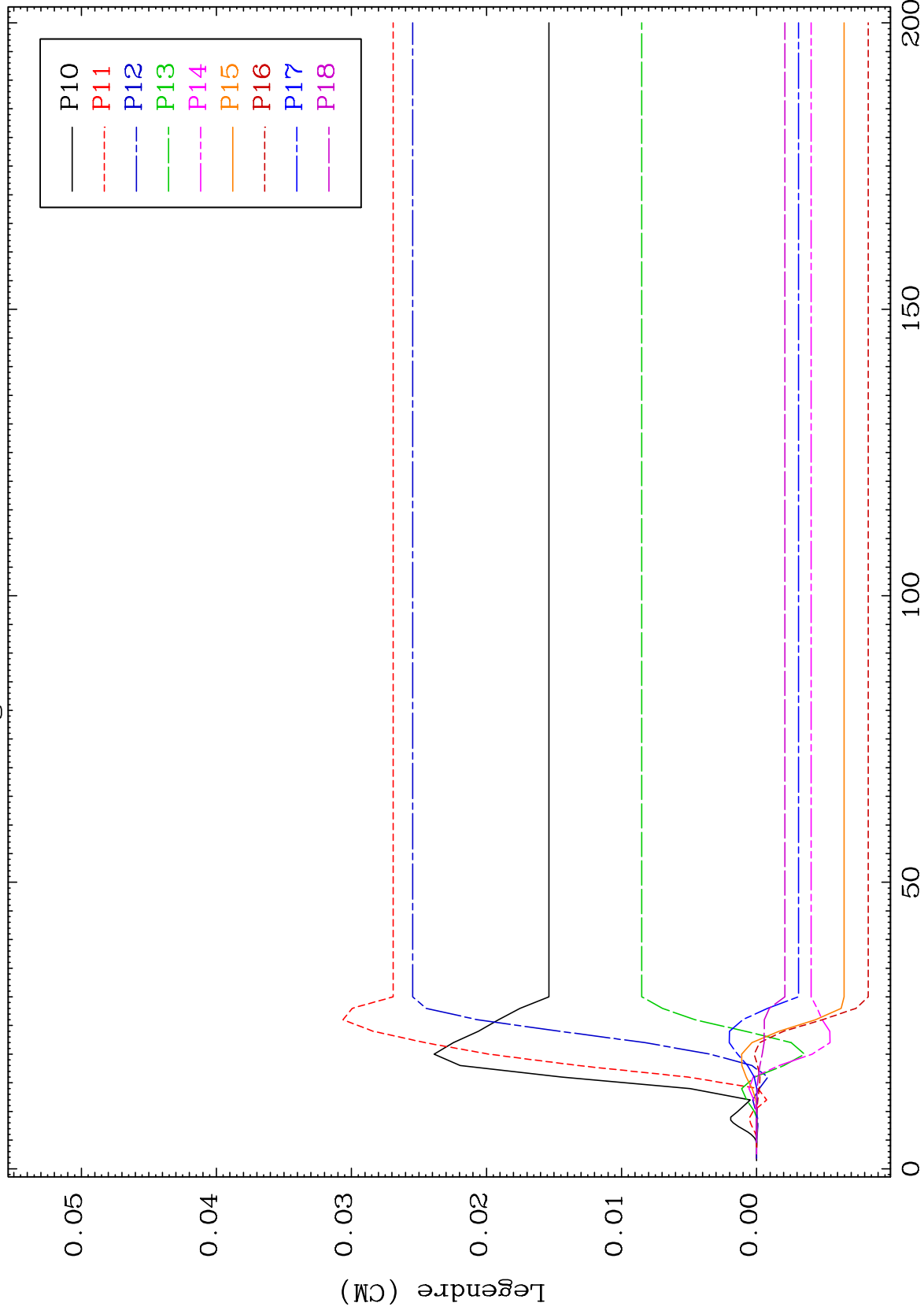
Incident Energy (MeV)

72

MAT 8089

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

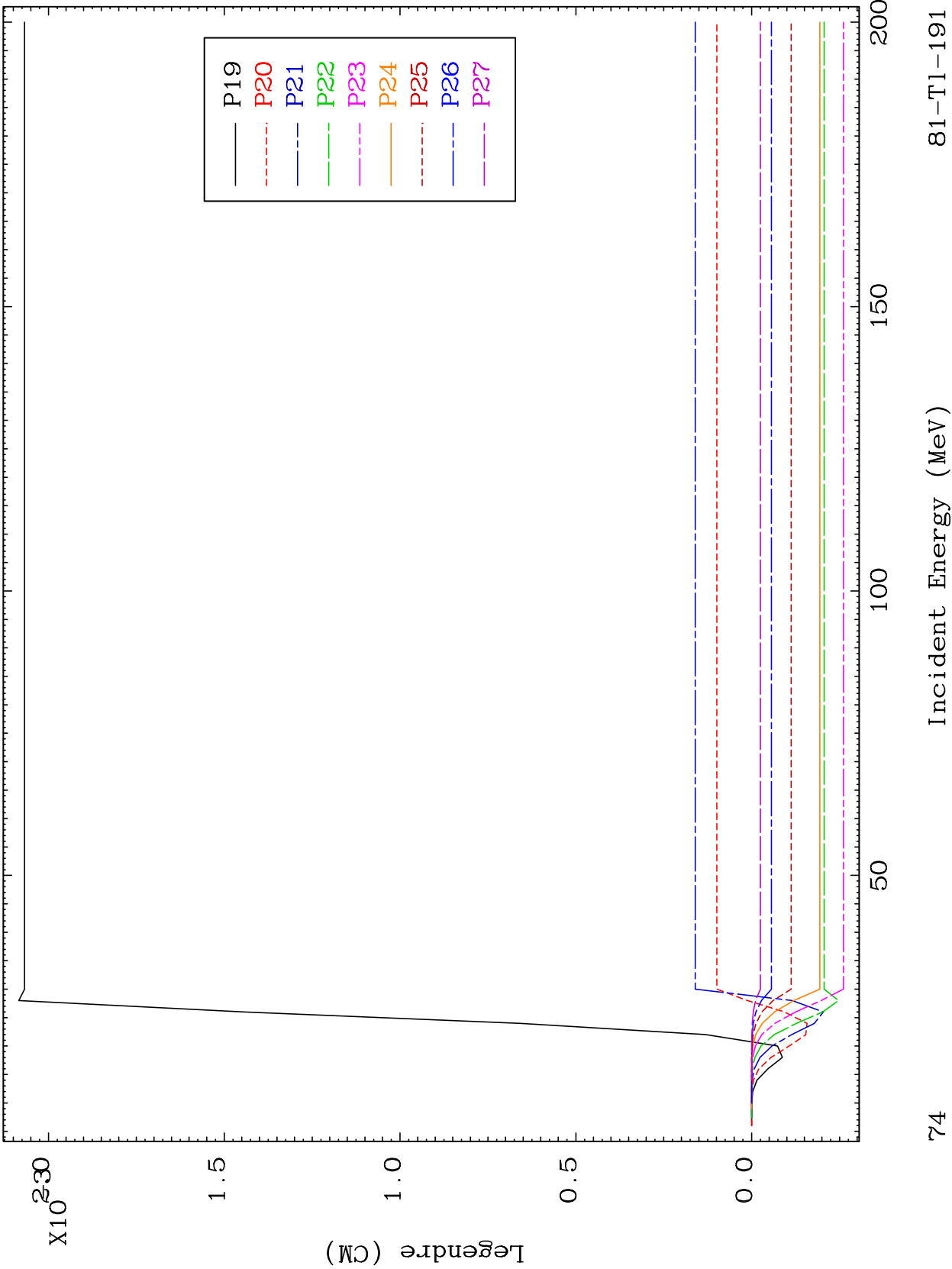
81-Tl-191



73

Incident Energy (MeV)

81-Tl-191

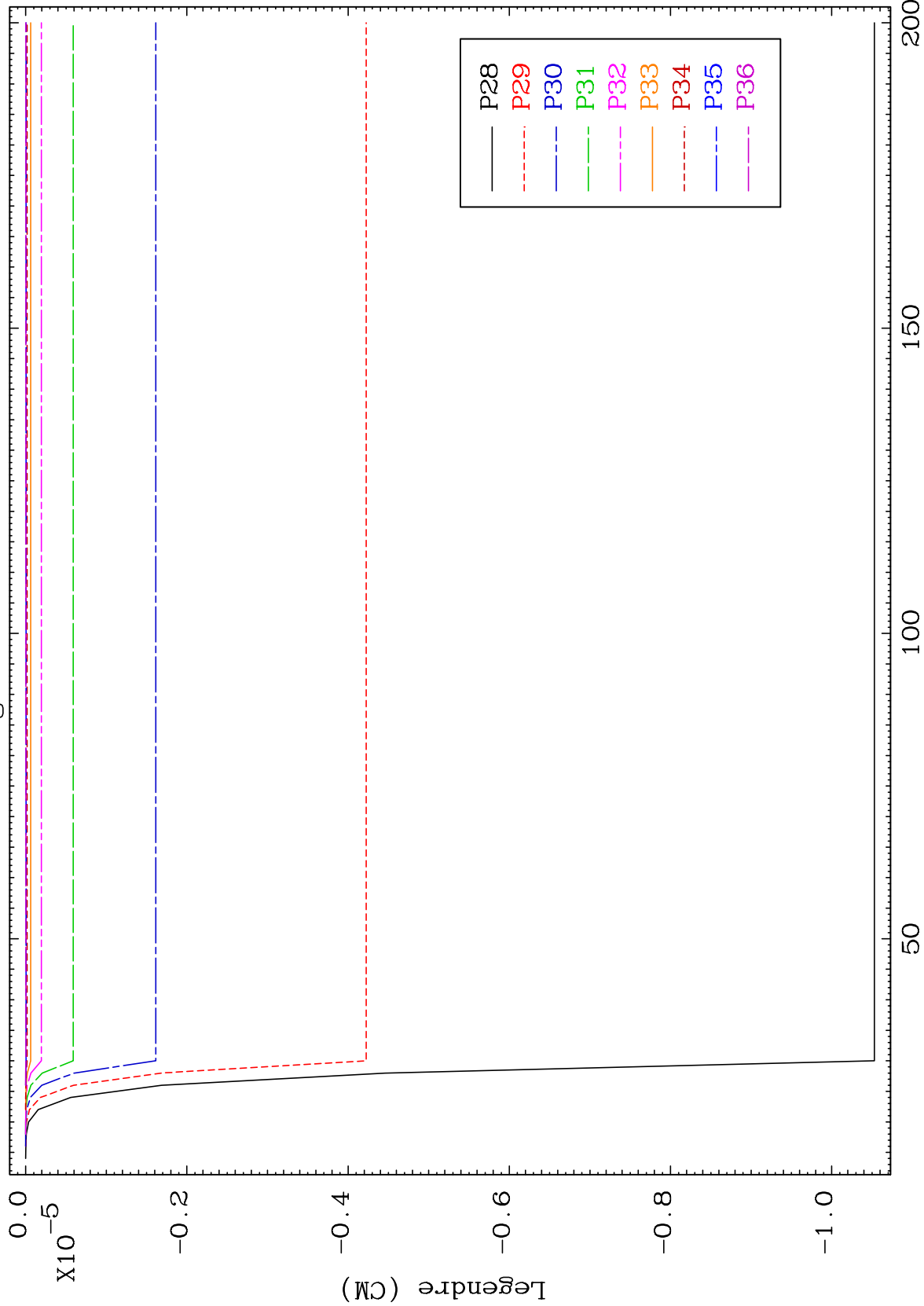


MAT 8089

MT= 64 (n,n') Level

81-Tl-191

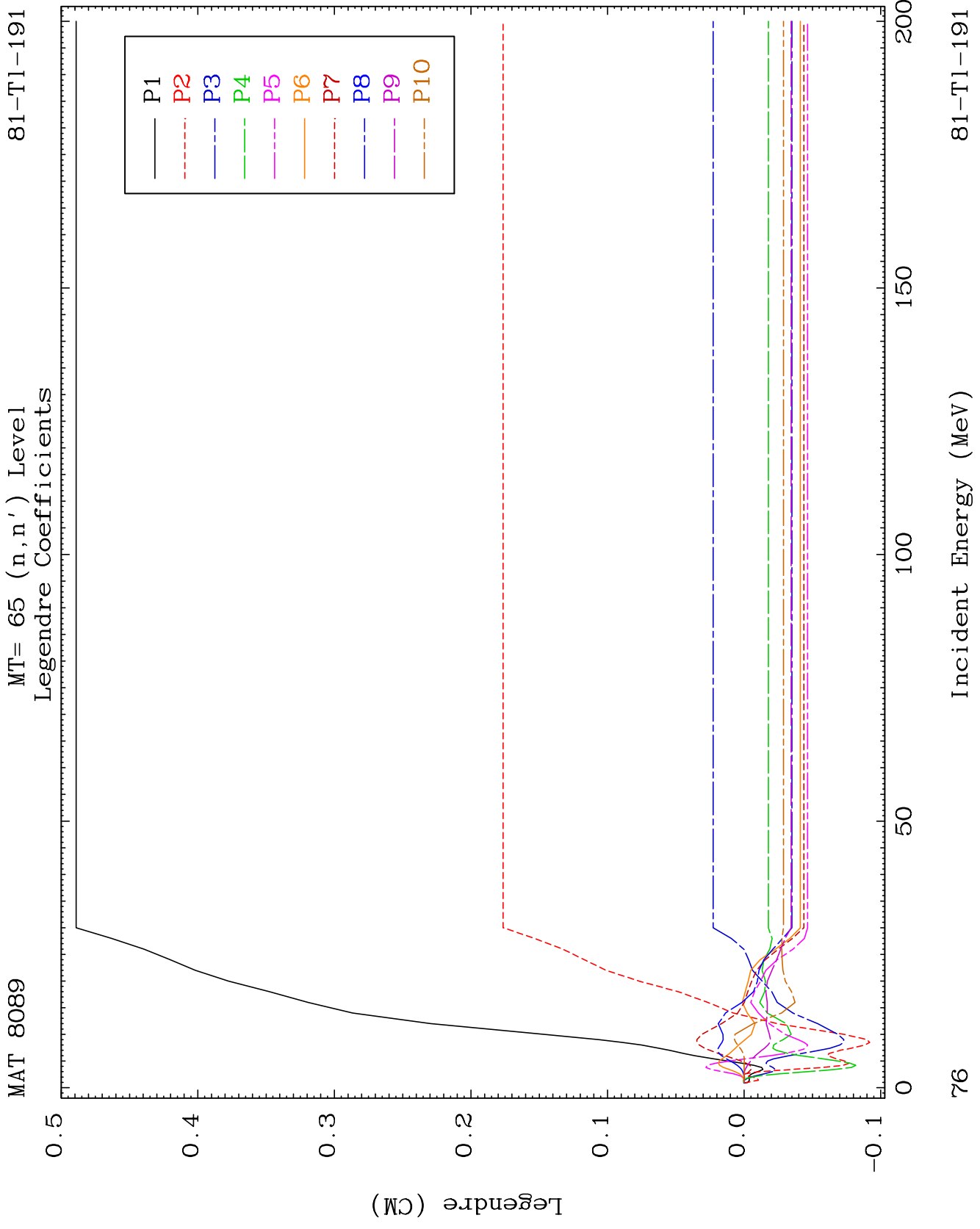
Legendre Coefficients



75

Incident Energy (MeV)

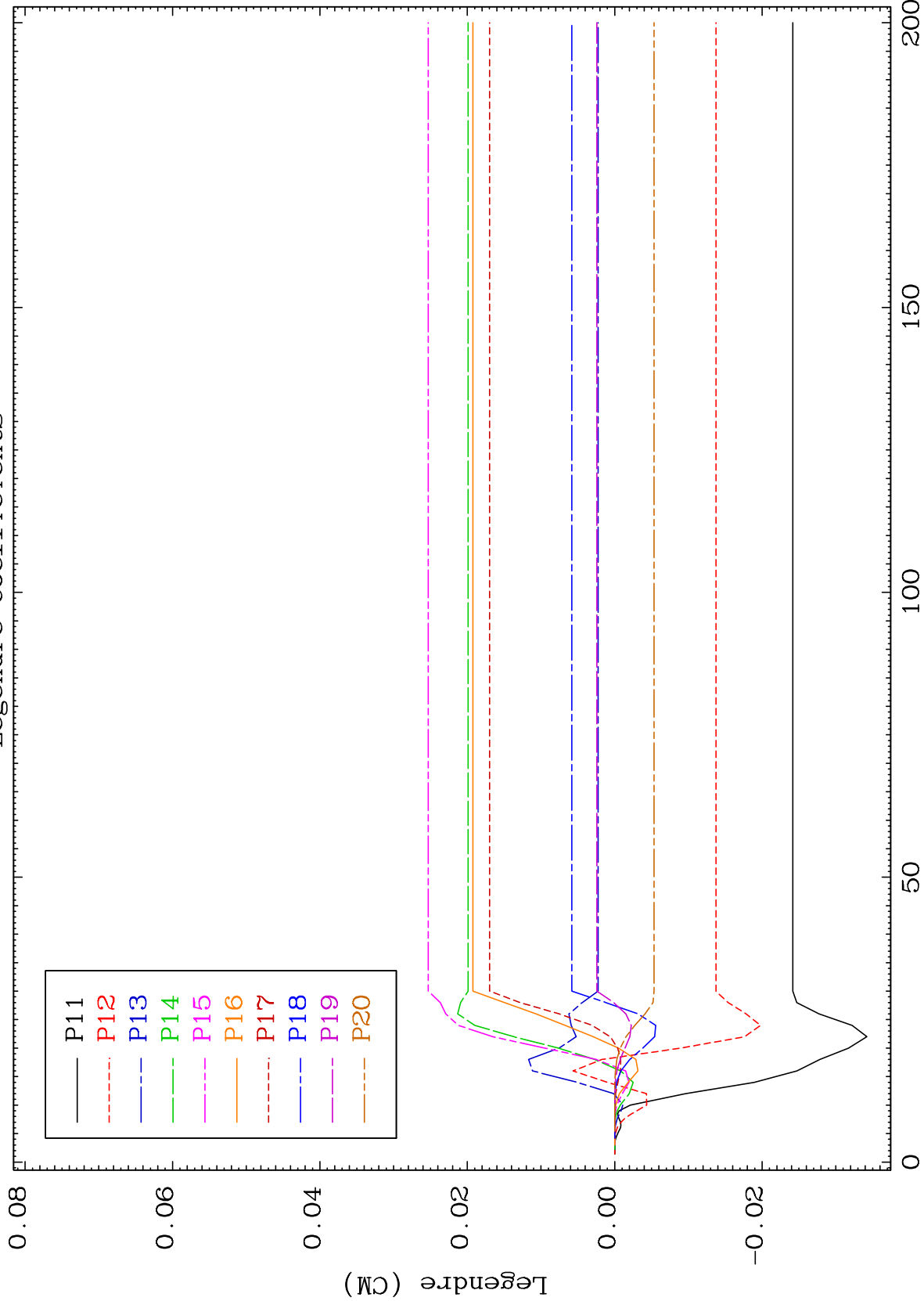
81-Tl-191



MAT 8089

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

81-Tl-191



77

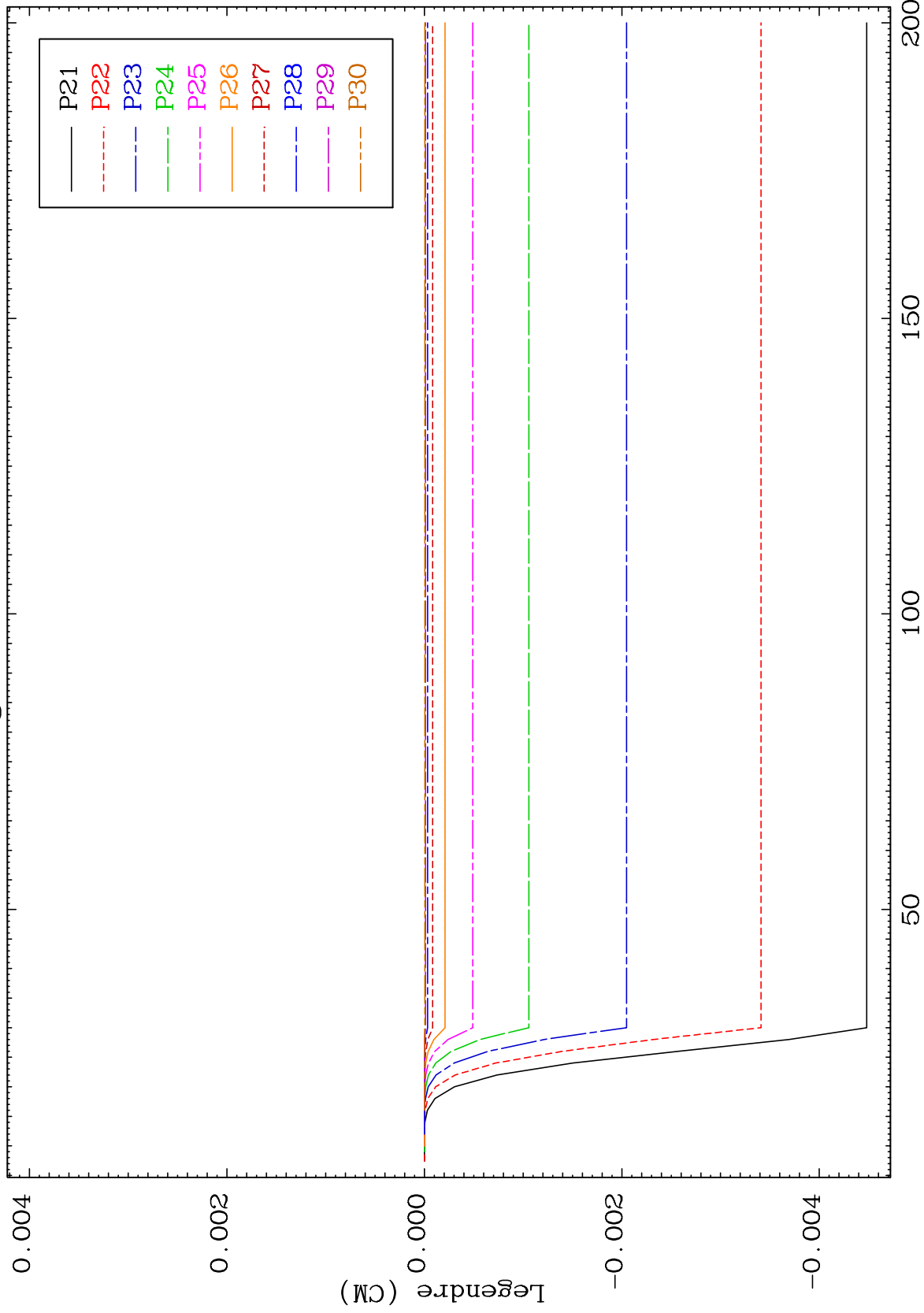
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

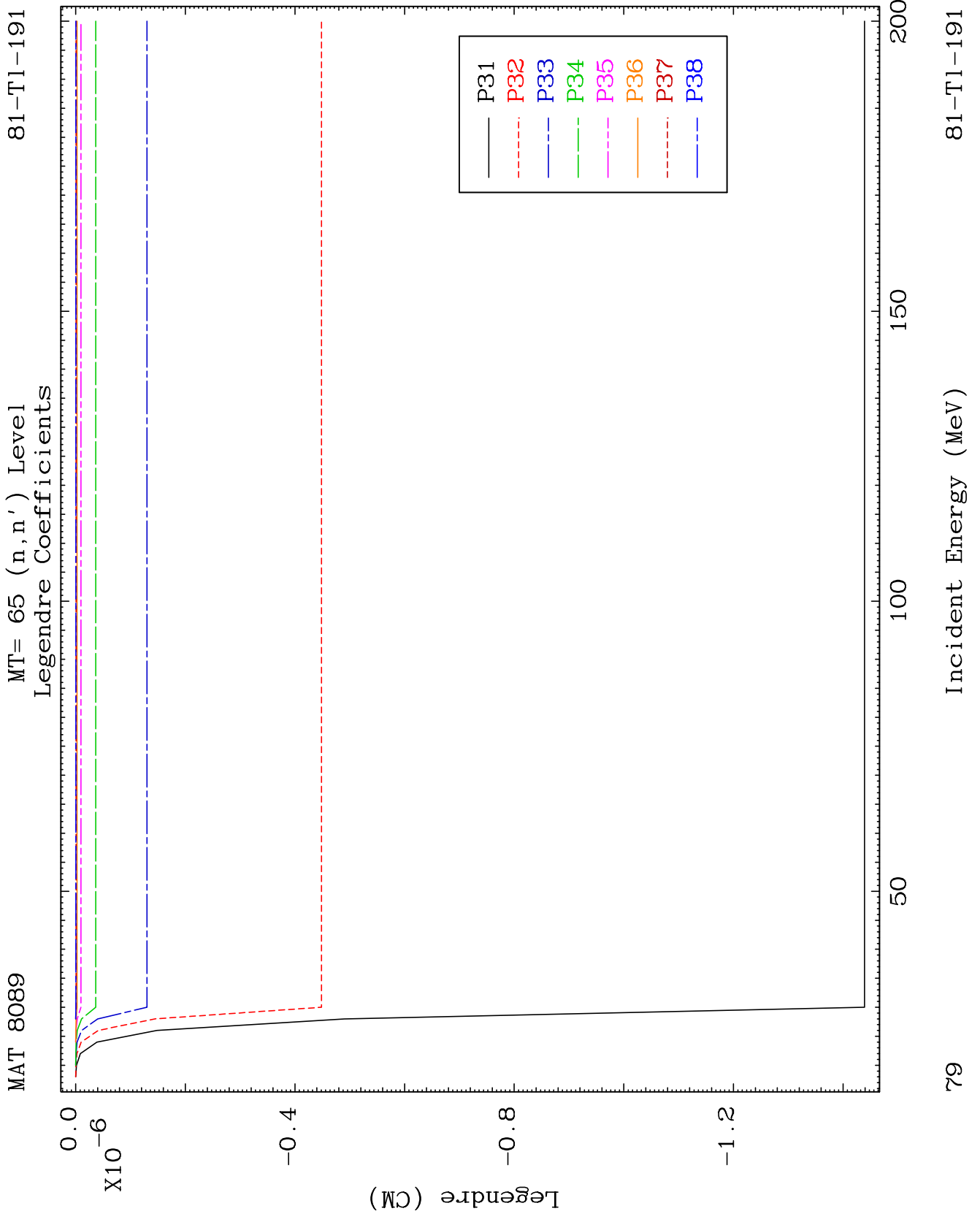
81-Tl-191



78

Incident Energy (MeV)

81-Tl-191

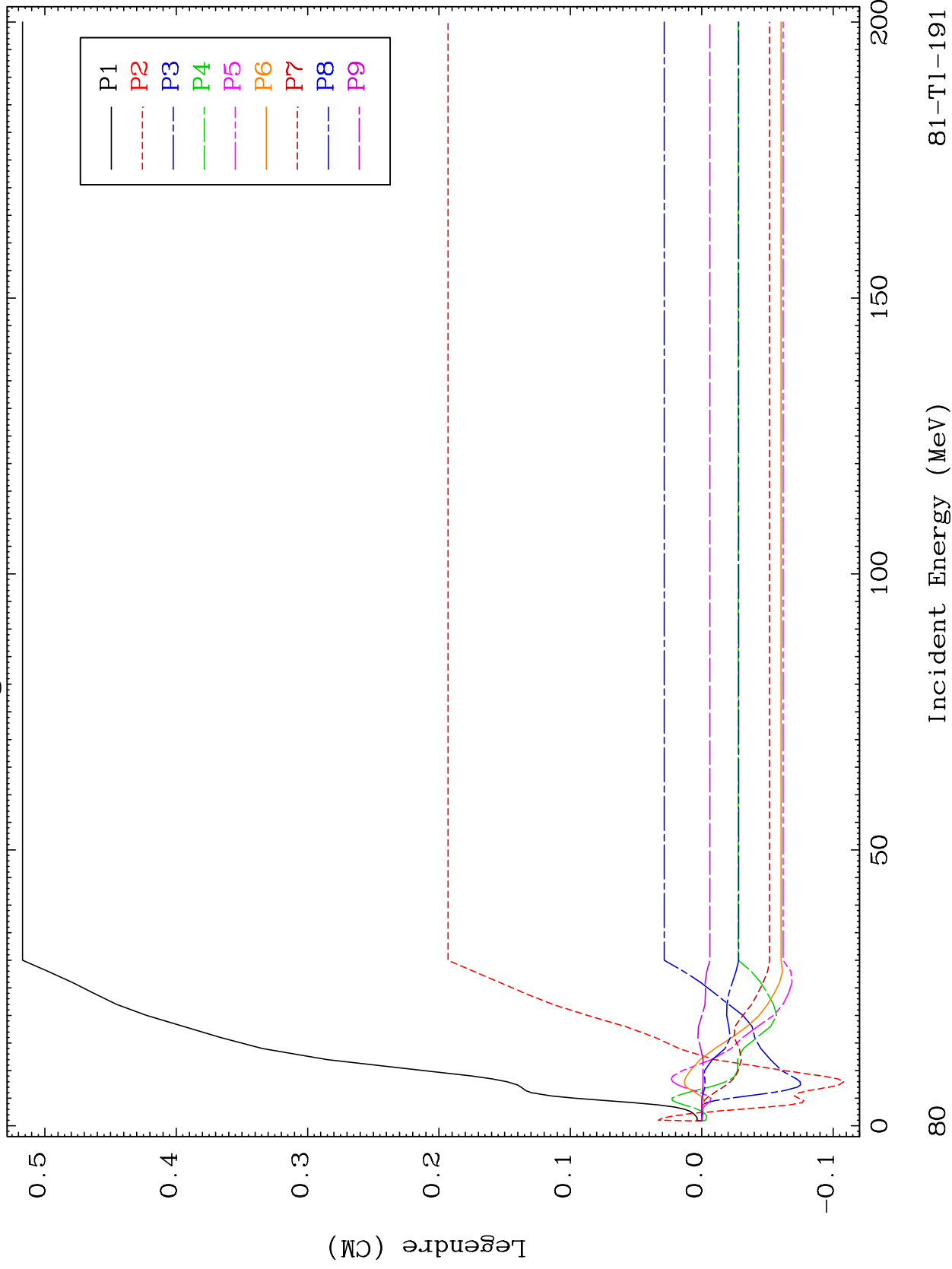




MAT 8089

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

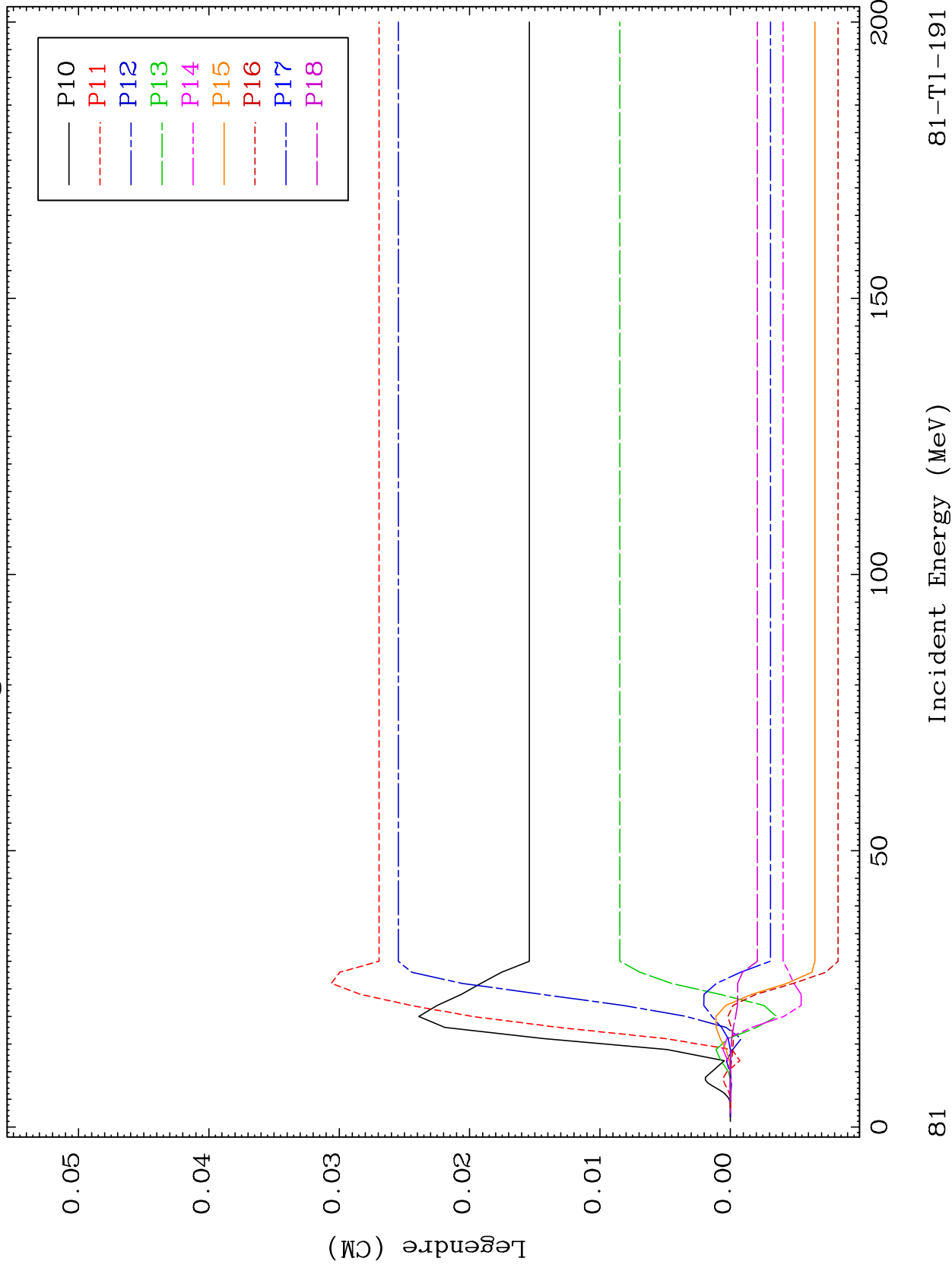
81-Tl-191



MAT 8089

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

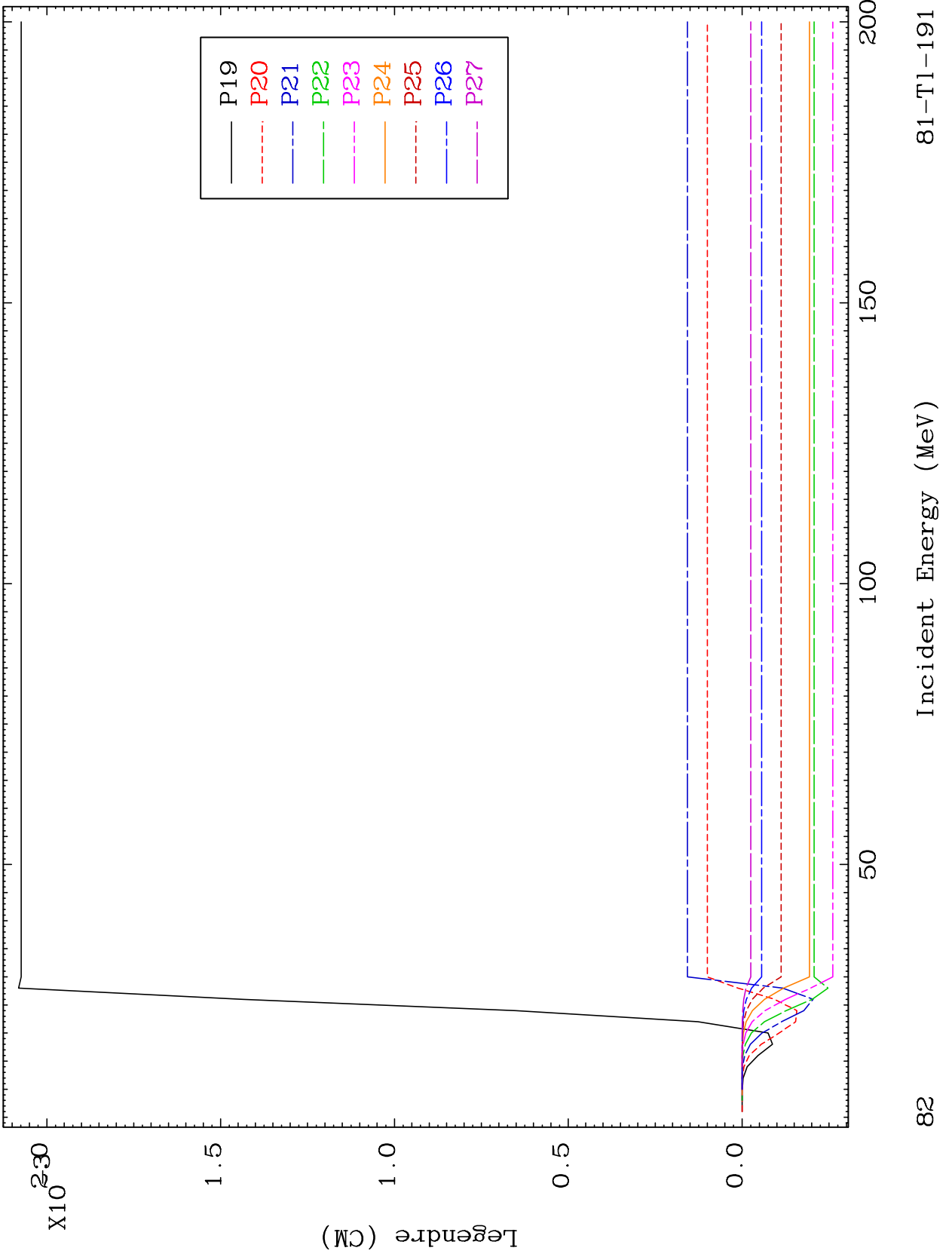
81-Tl-191



81

Incident Energy (MeV)

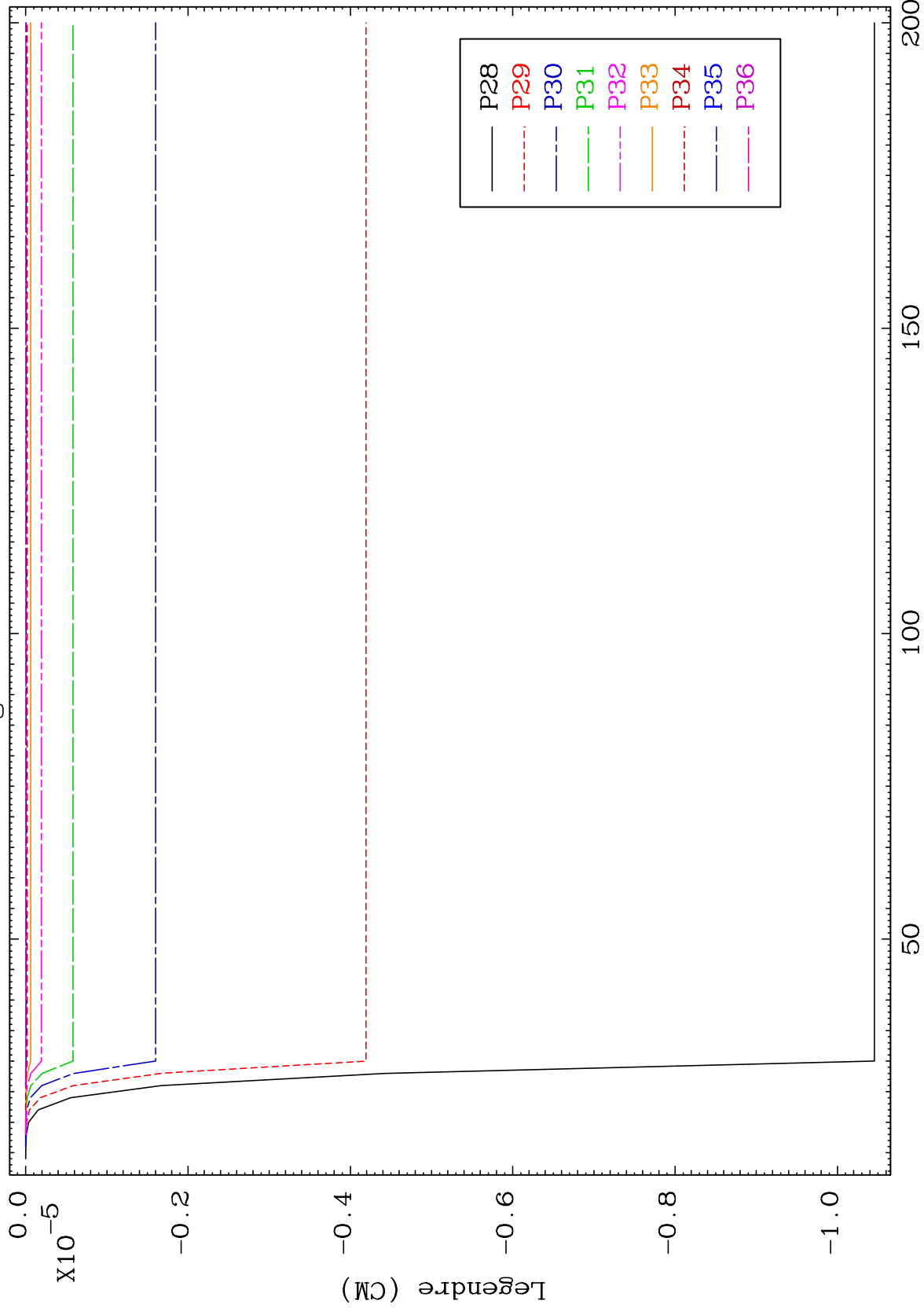
81-Tl-191



MAT 8089

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

81-Tl-191



83

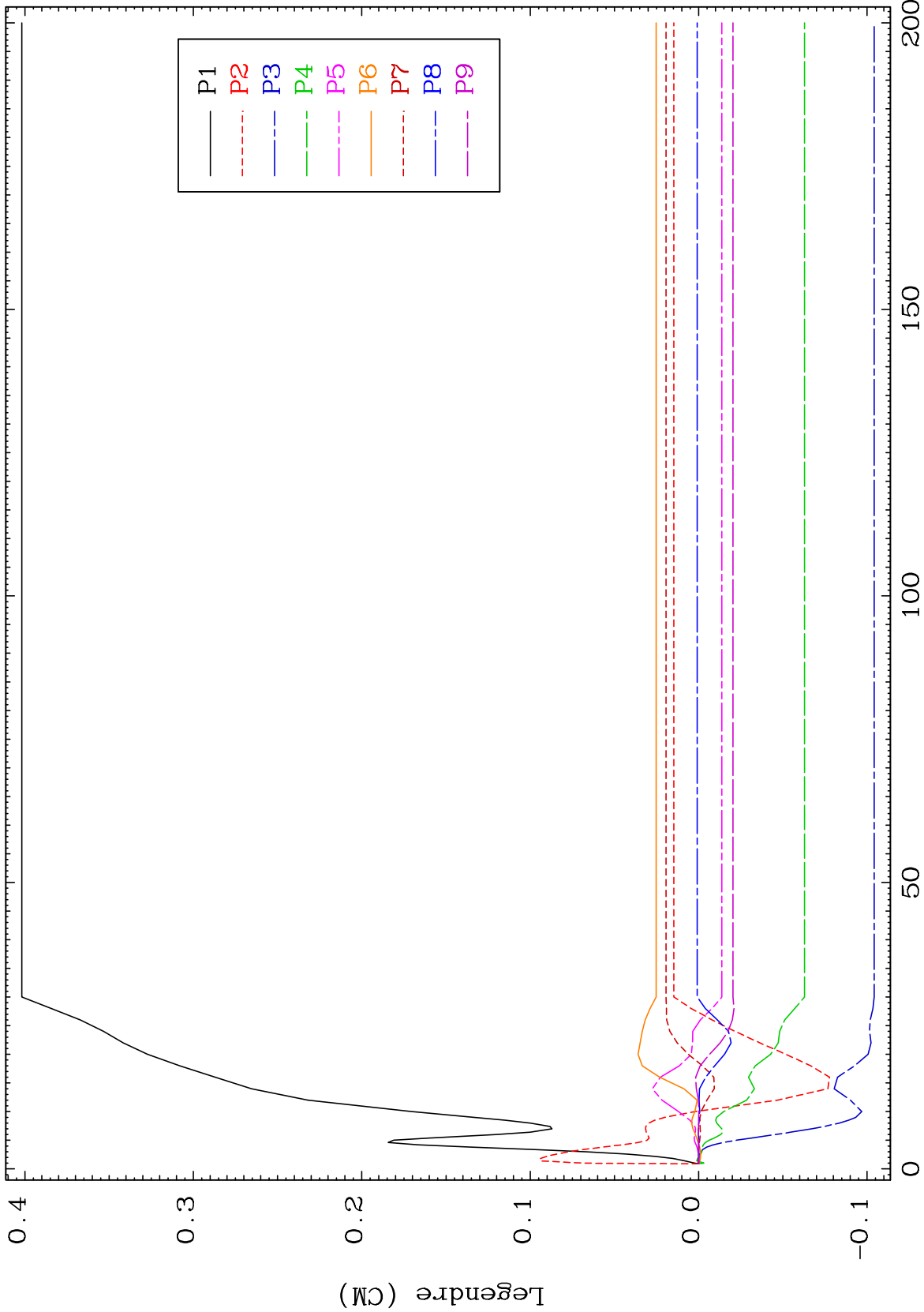
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



84

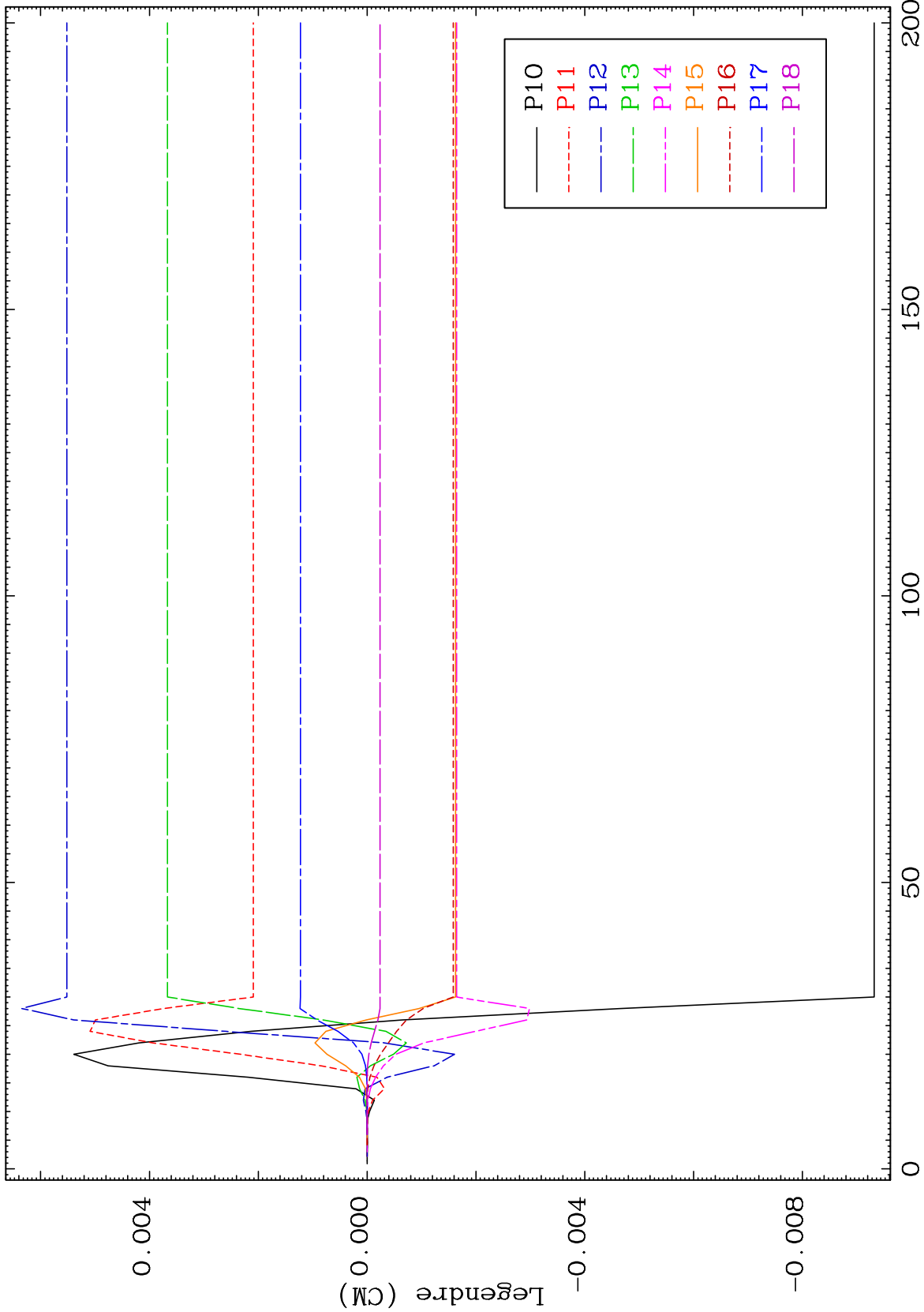
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



85

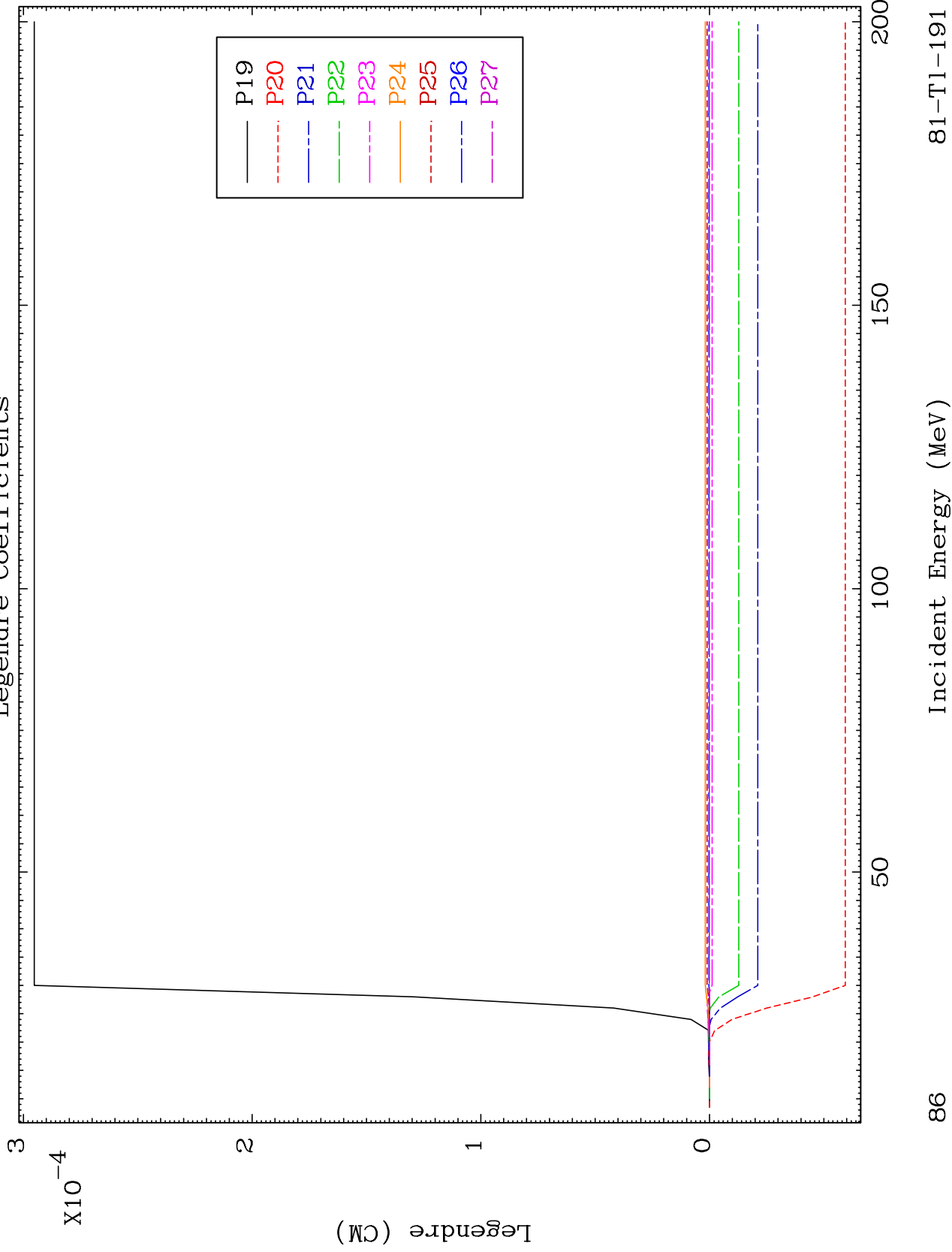
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

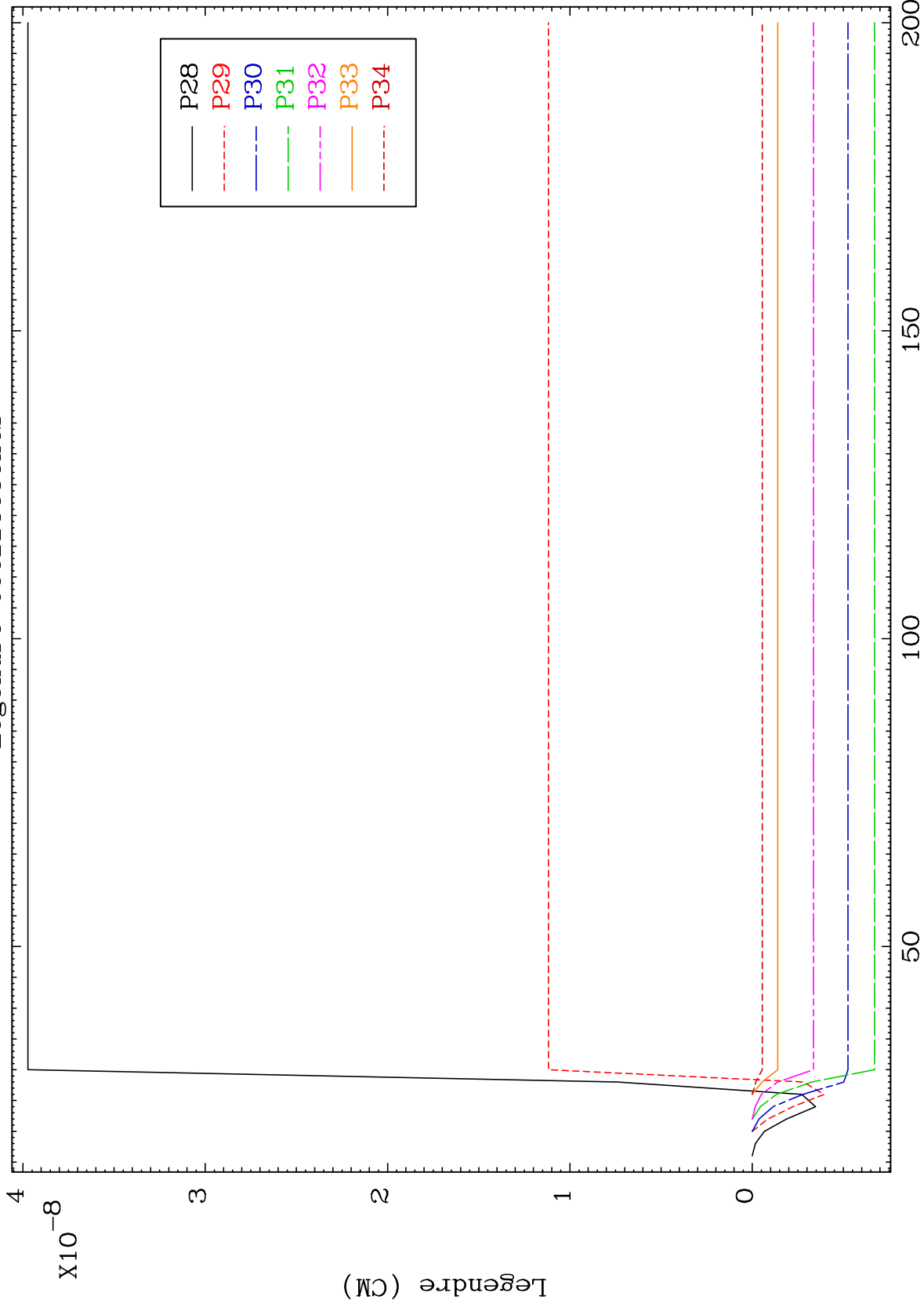
81-Tl-191



MAT 8089

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

81-Tl-191



87

Incident Energy (MeV)

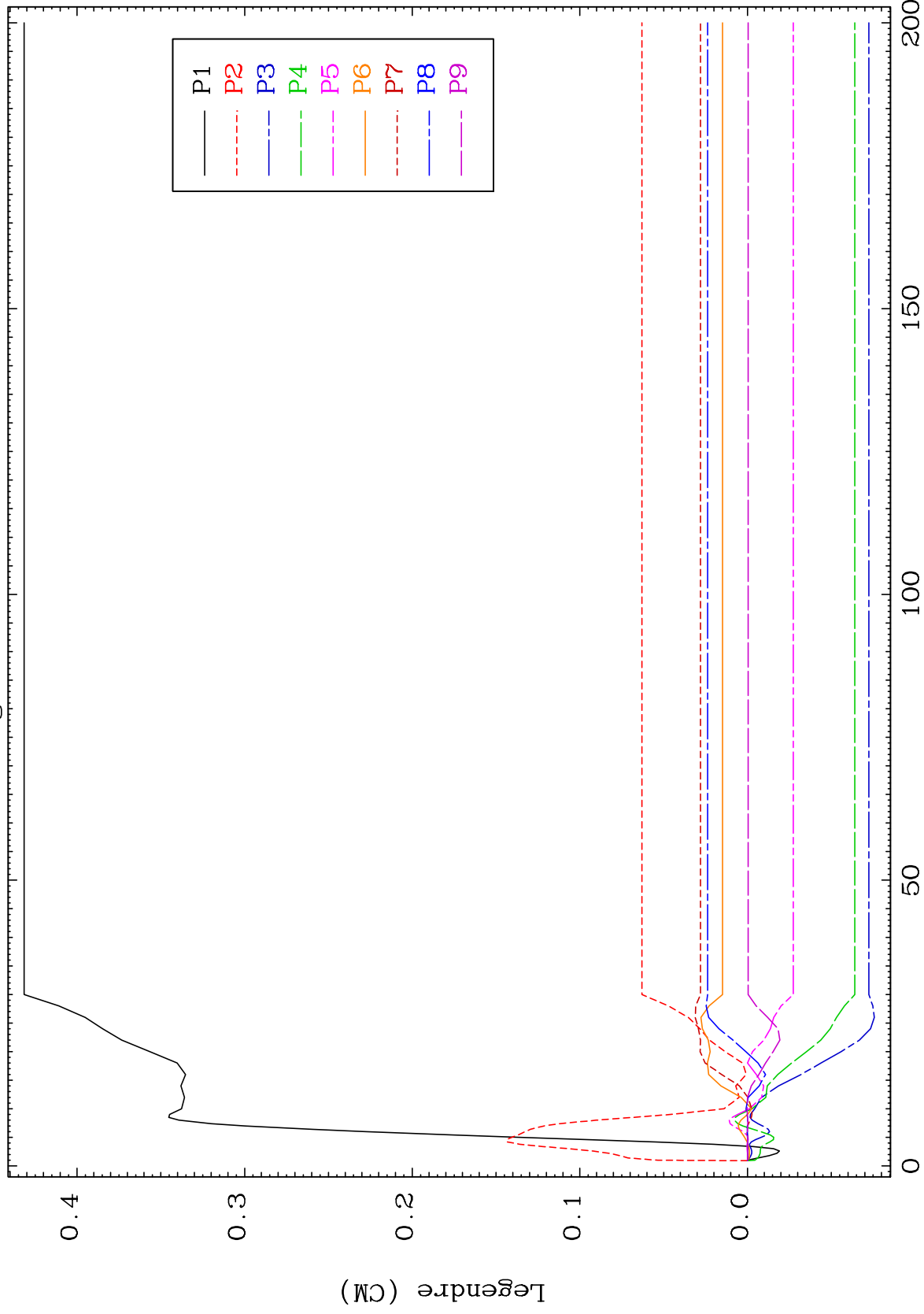
81-Tl-191



MAT 8089

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

81-Tl-191



88

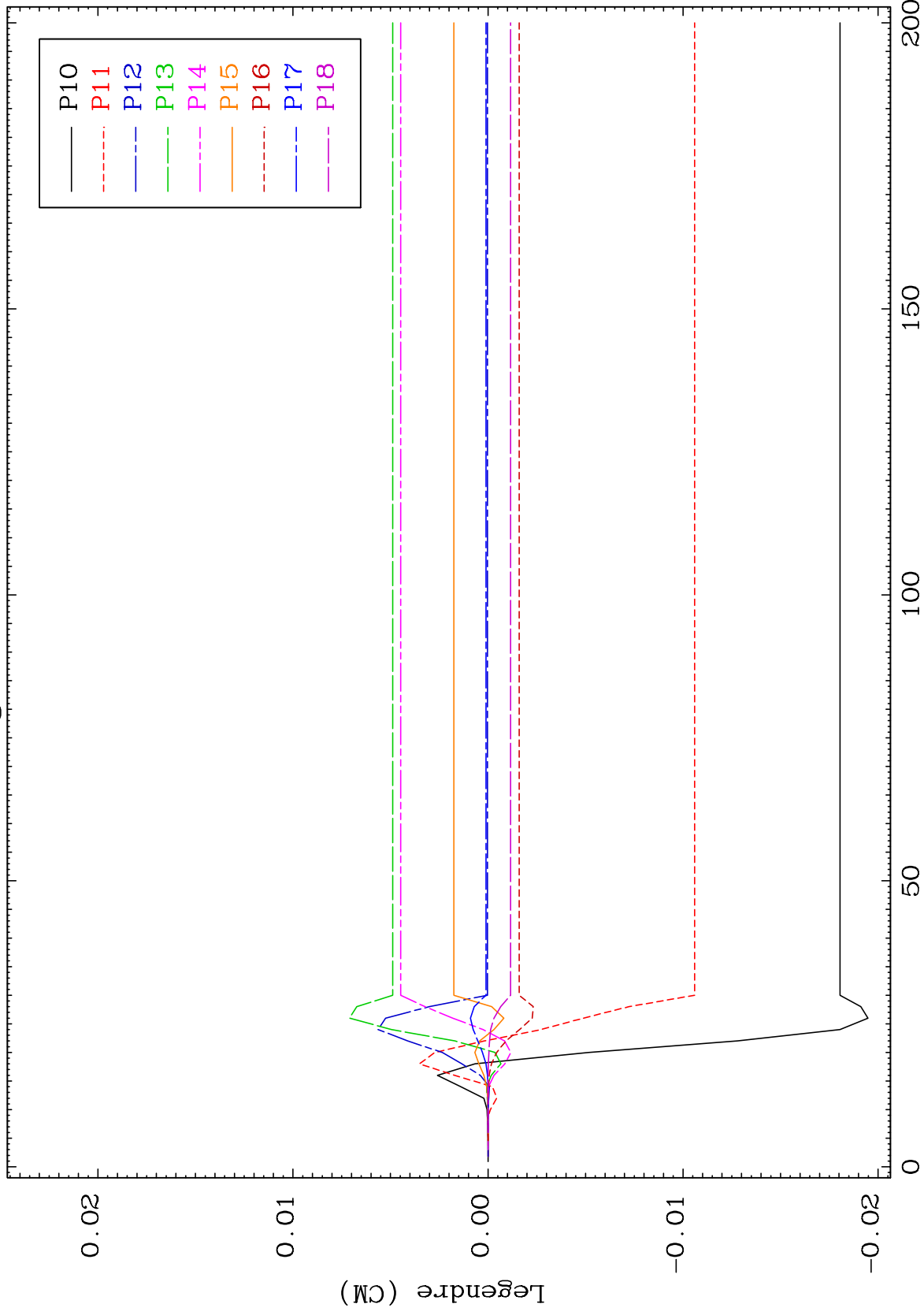
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



89

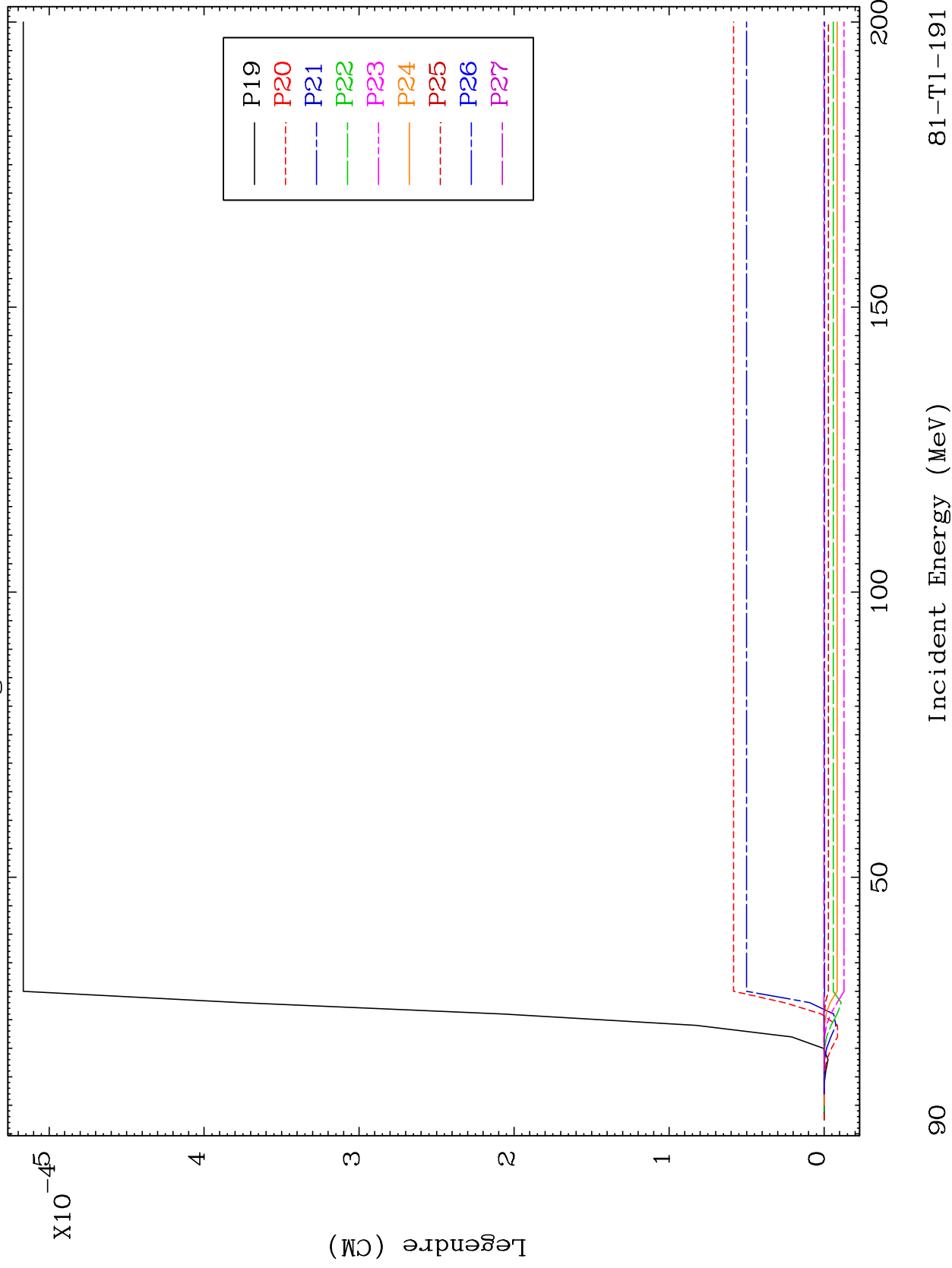
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



90

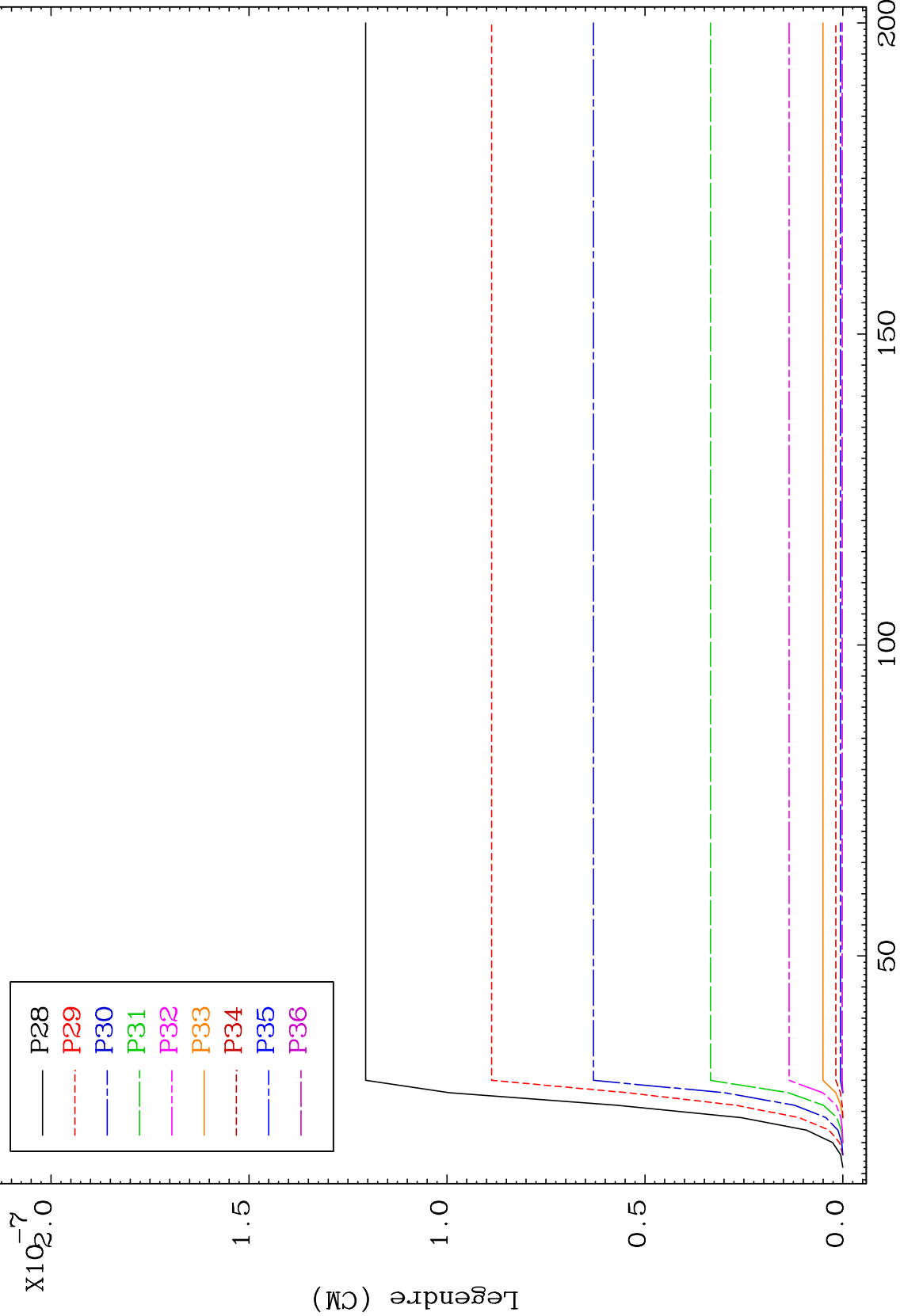
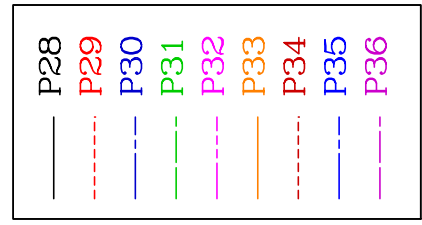
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



91

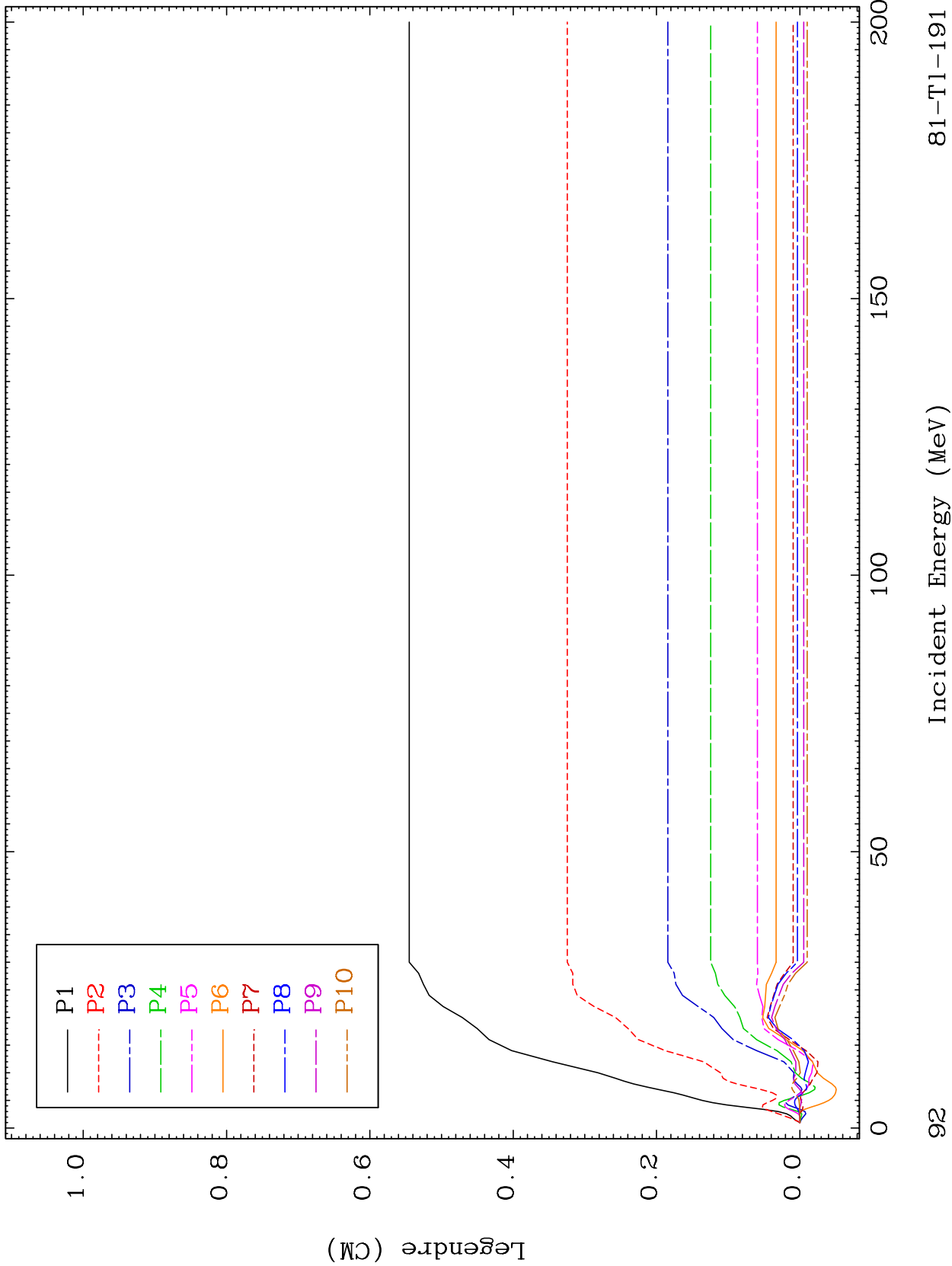
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



92

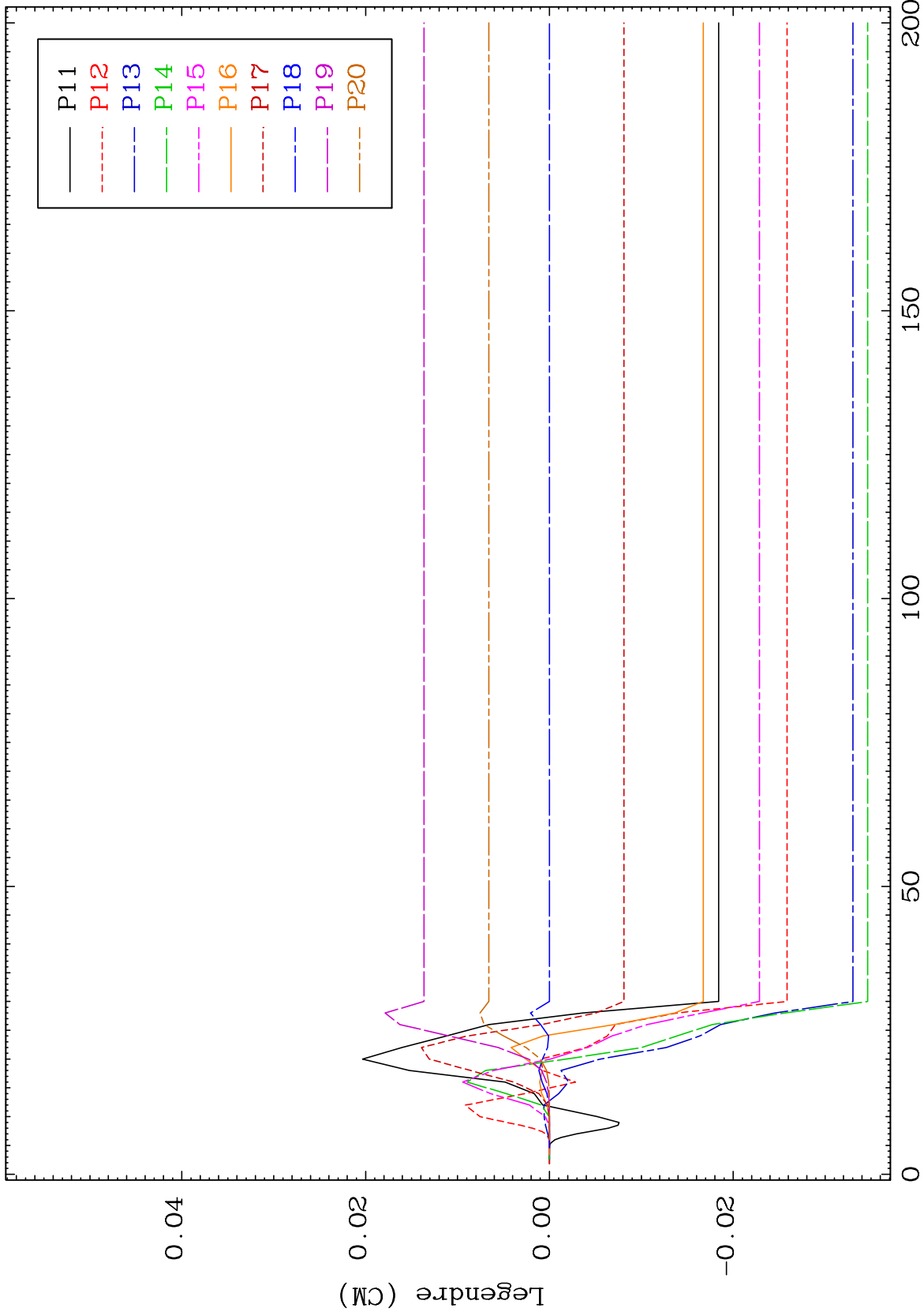
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

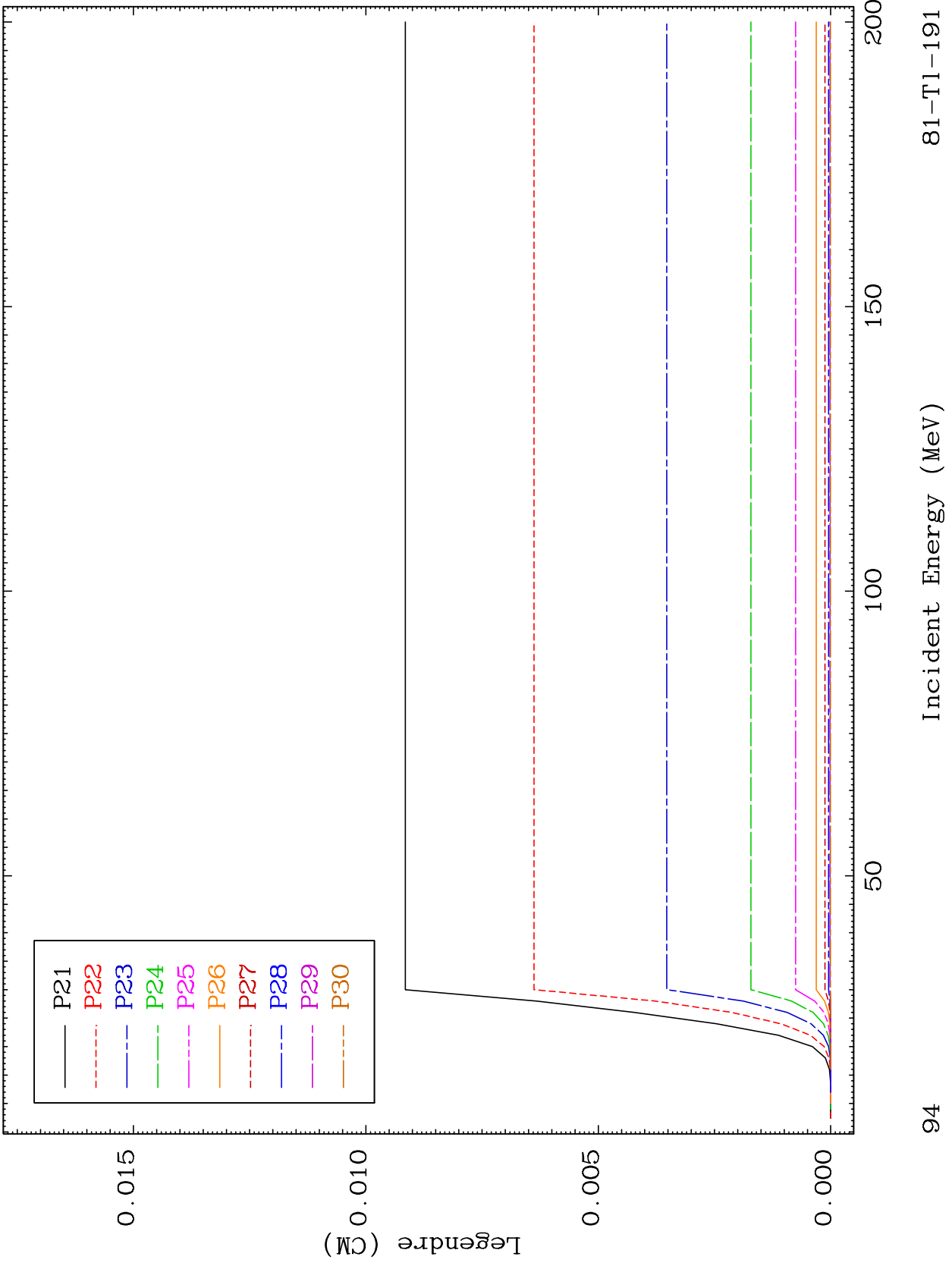
81-Tl-191



93

Incident Energy (MeV)

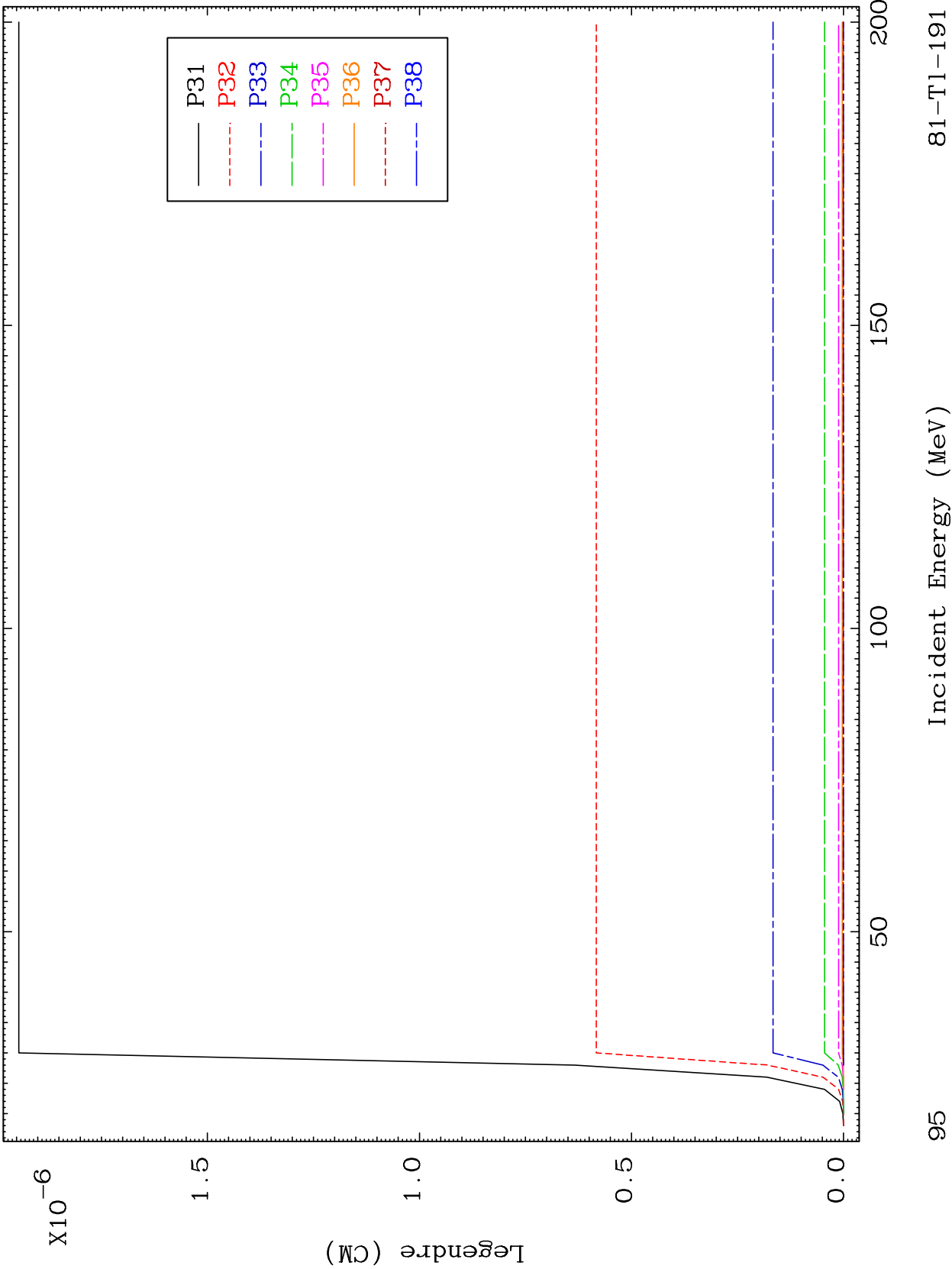
81-Tl-191



MAT 8089

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

81-Tl-191



95

Incident Energy (MeV)

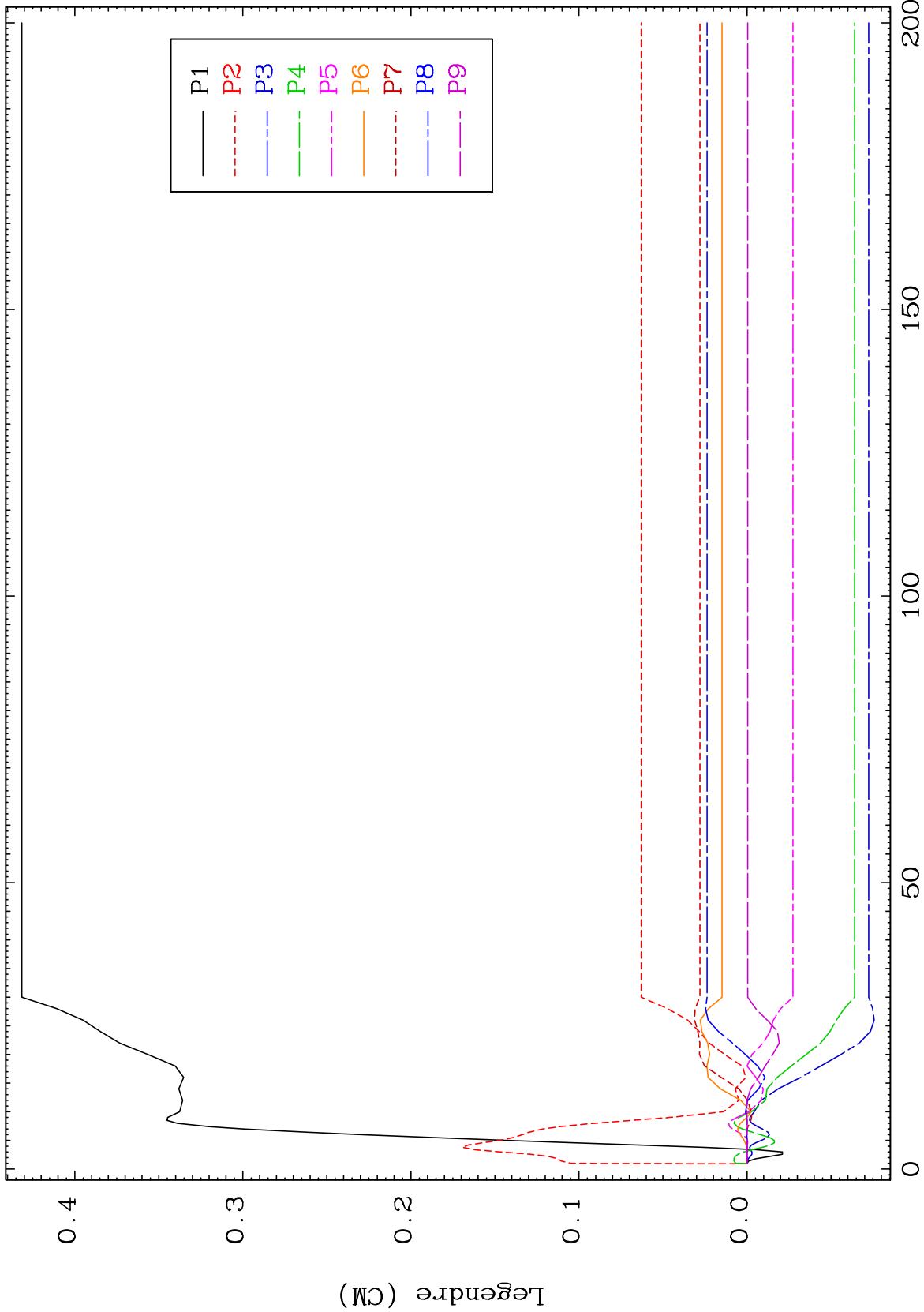
81-Tl-191



MAT 8089

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

81-Tl-191



96

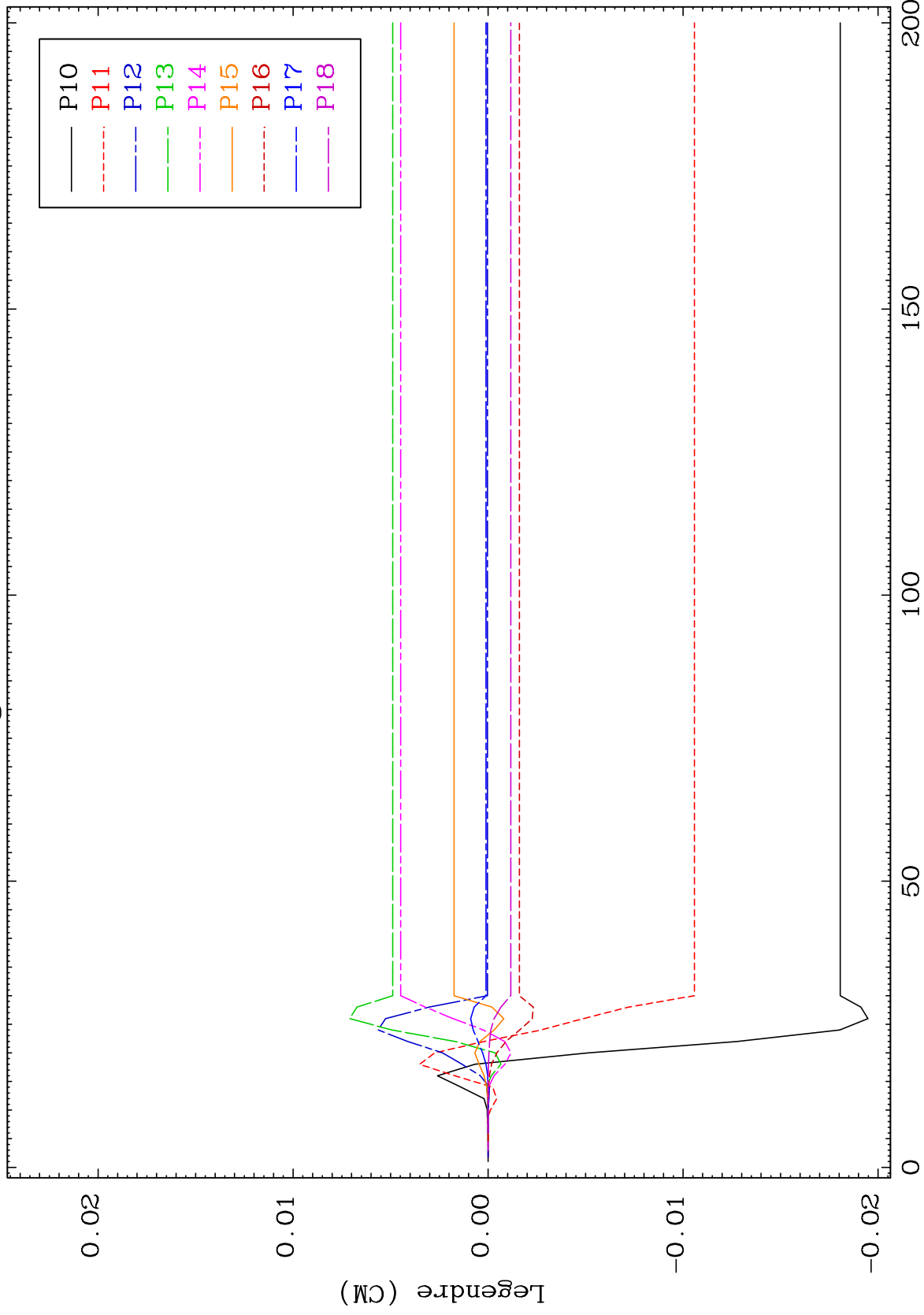
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



97

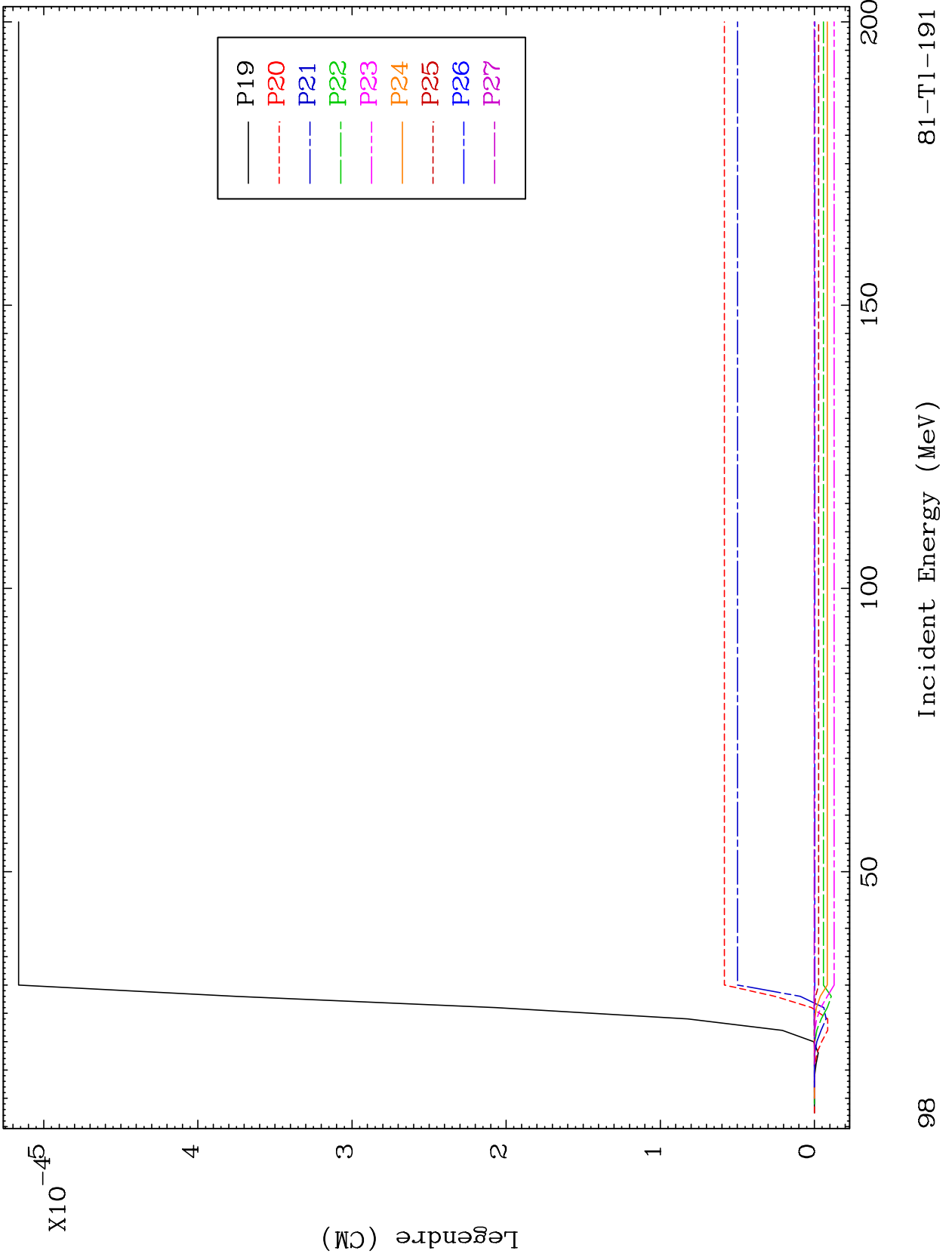
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

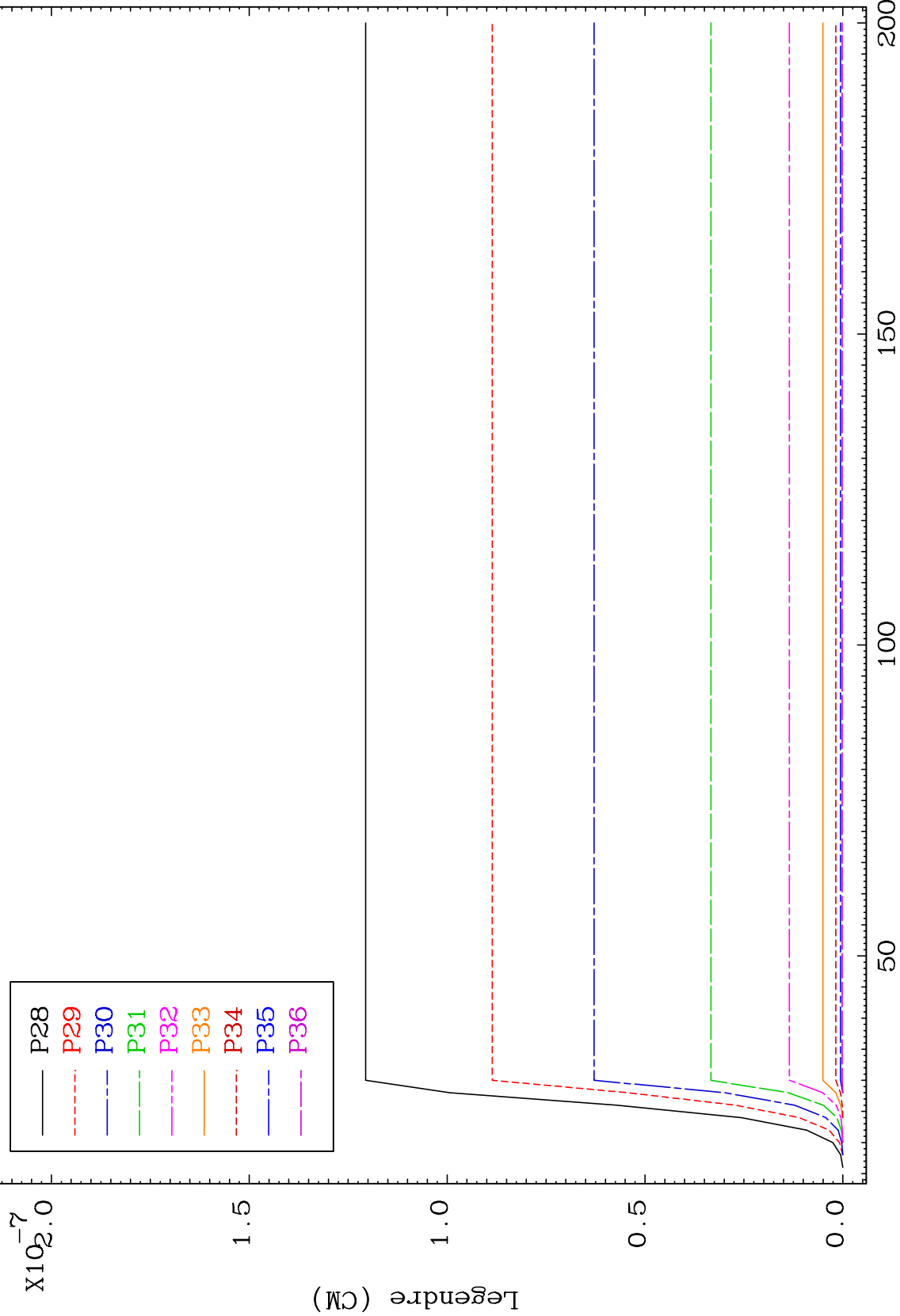
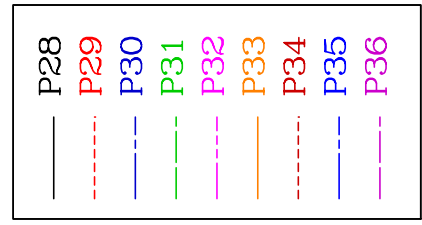
81-Tl-191



MAT 8089

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

81-Tl-191



99

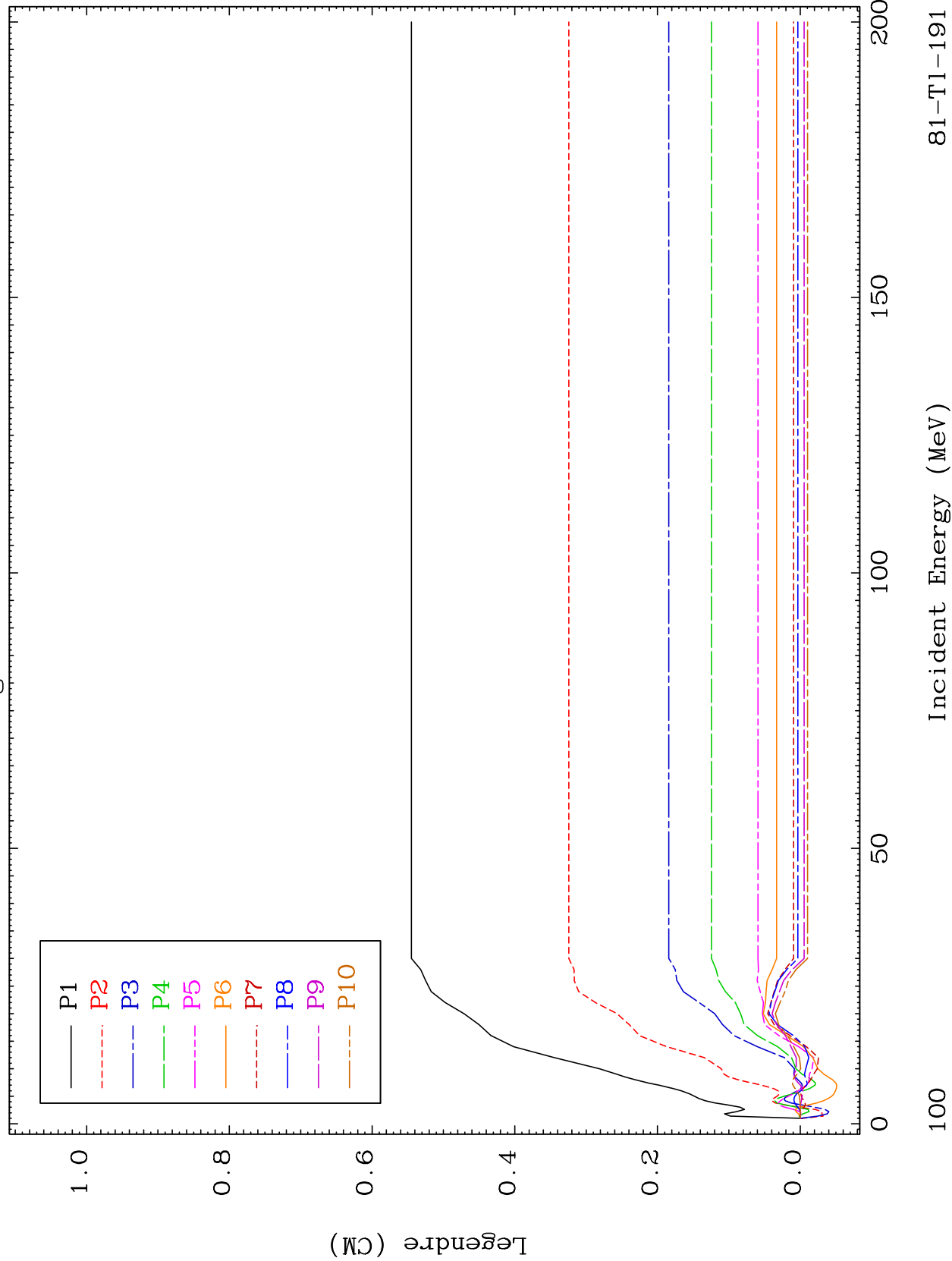
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



81-Tl-191

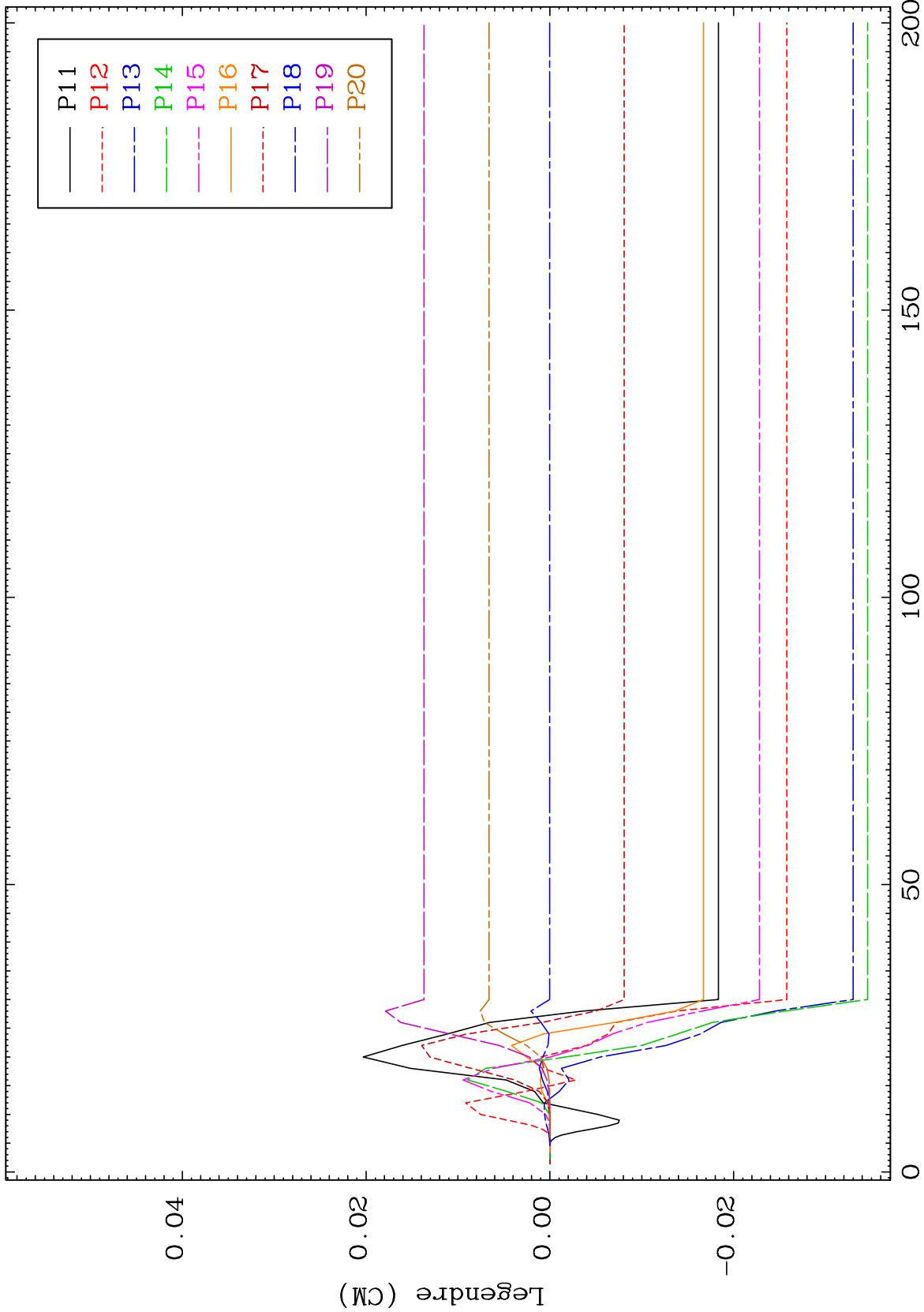
Incident Energy (MeV)

Legendre (CM)

MAT 8089

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

81-Tl-191



101

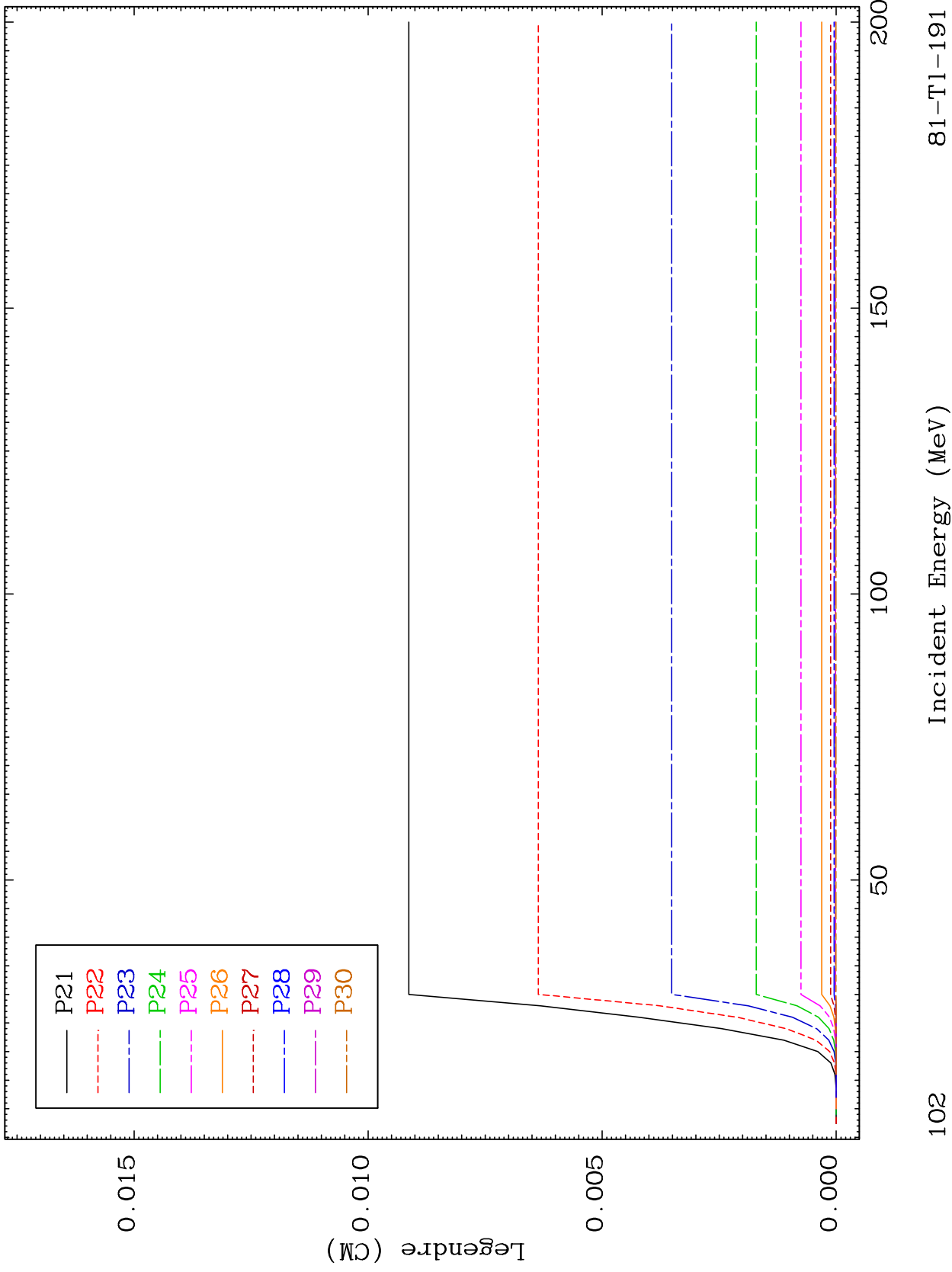
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



102

Incident Energy (MeV)

81-Tl-191

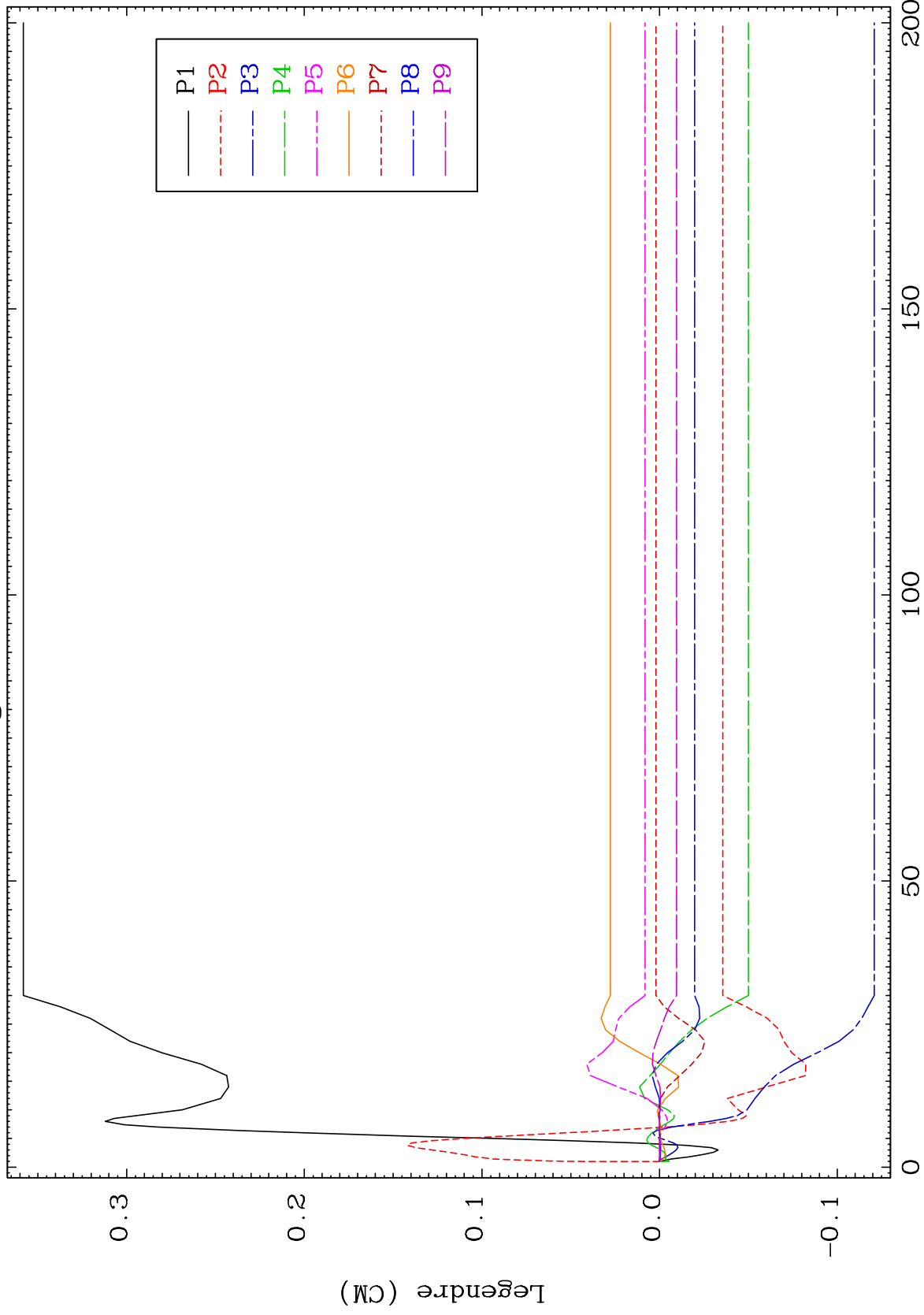




MAT 8089

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

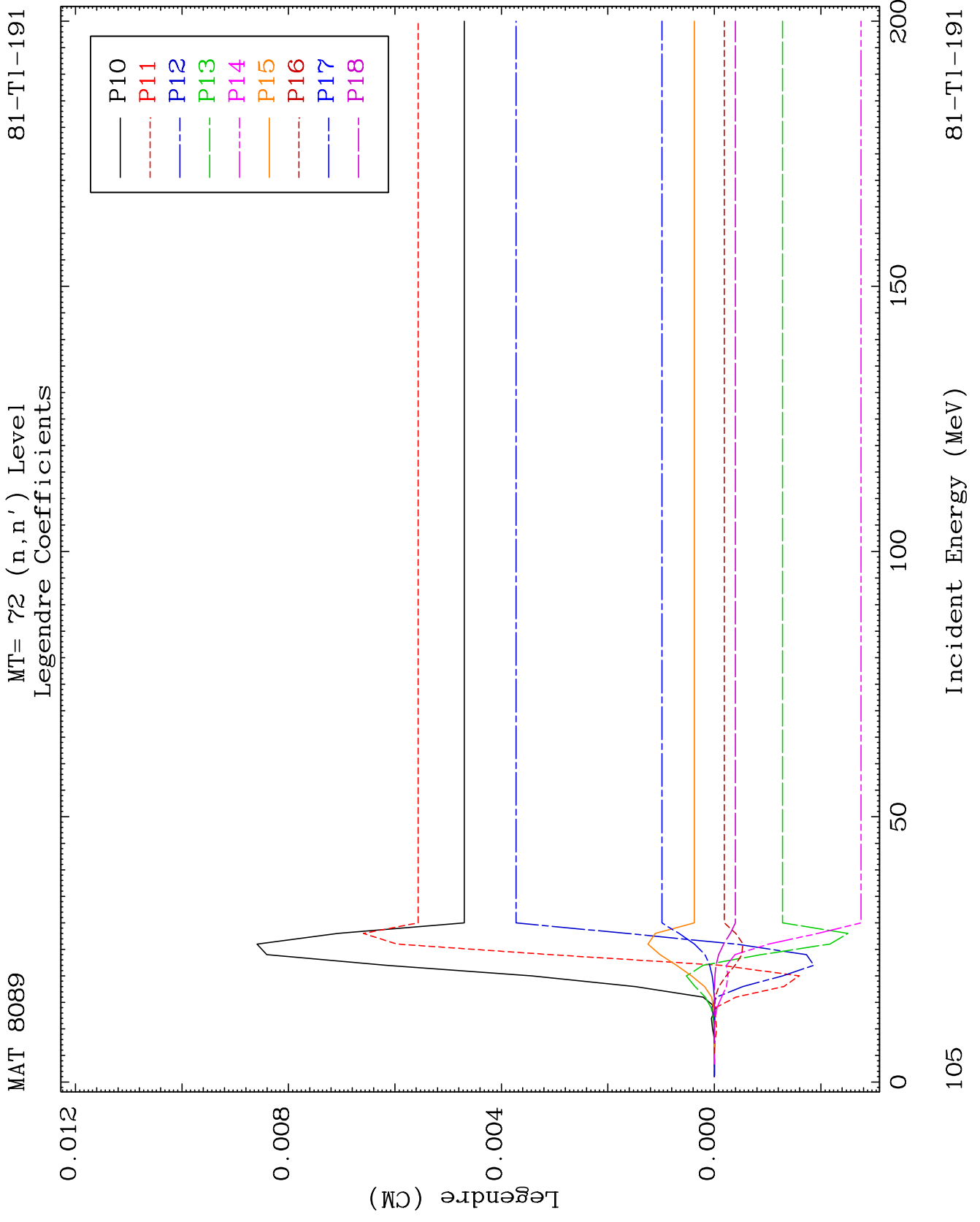
81-T1-191

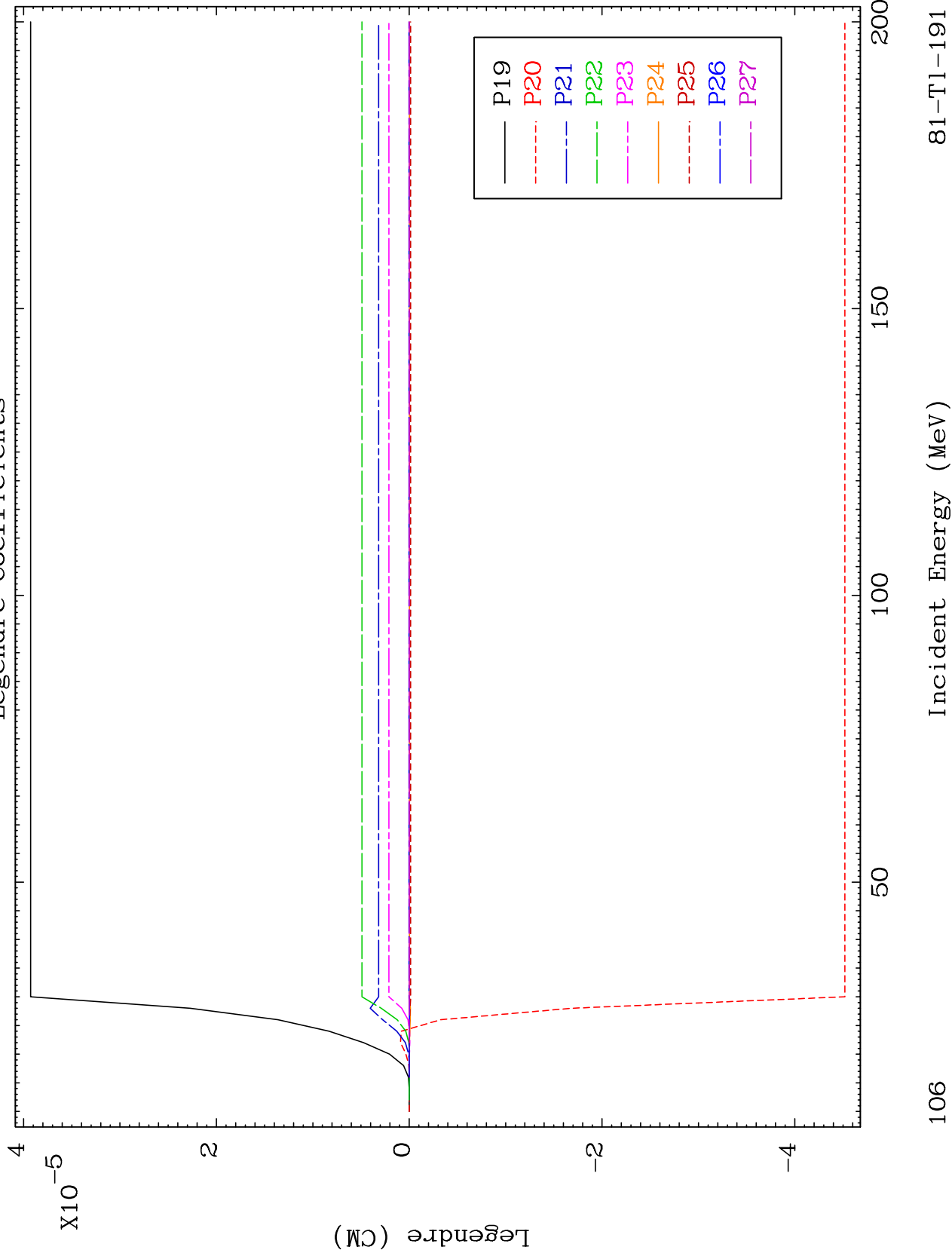


104

Incident Energy (MeV)

81-T1-191

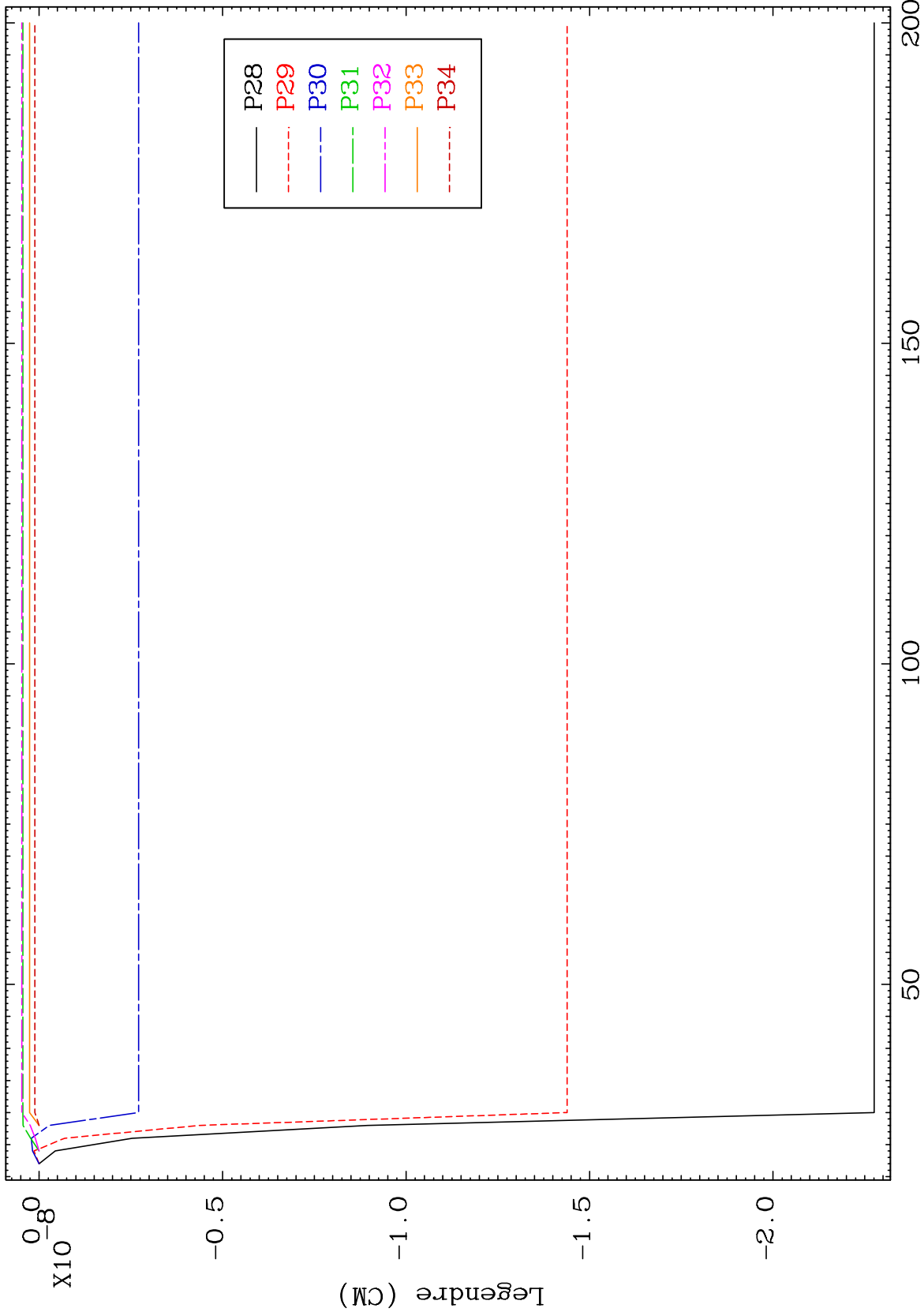




MAT 8089

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

81-Tl-191



107

Incident Energy (MeV)

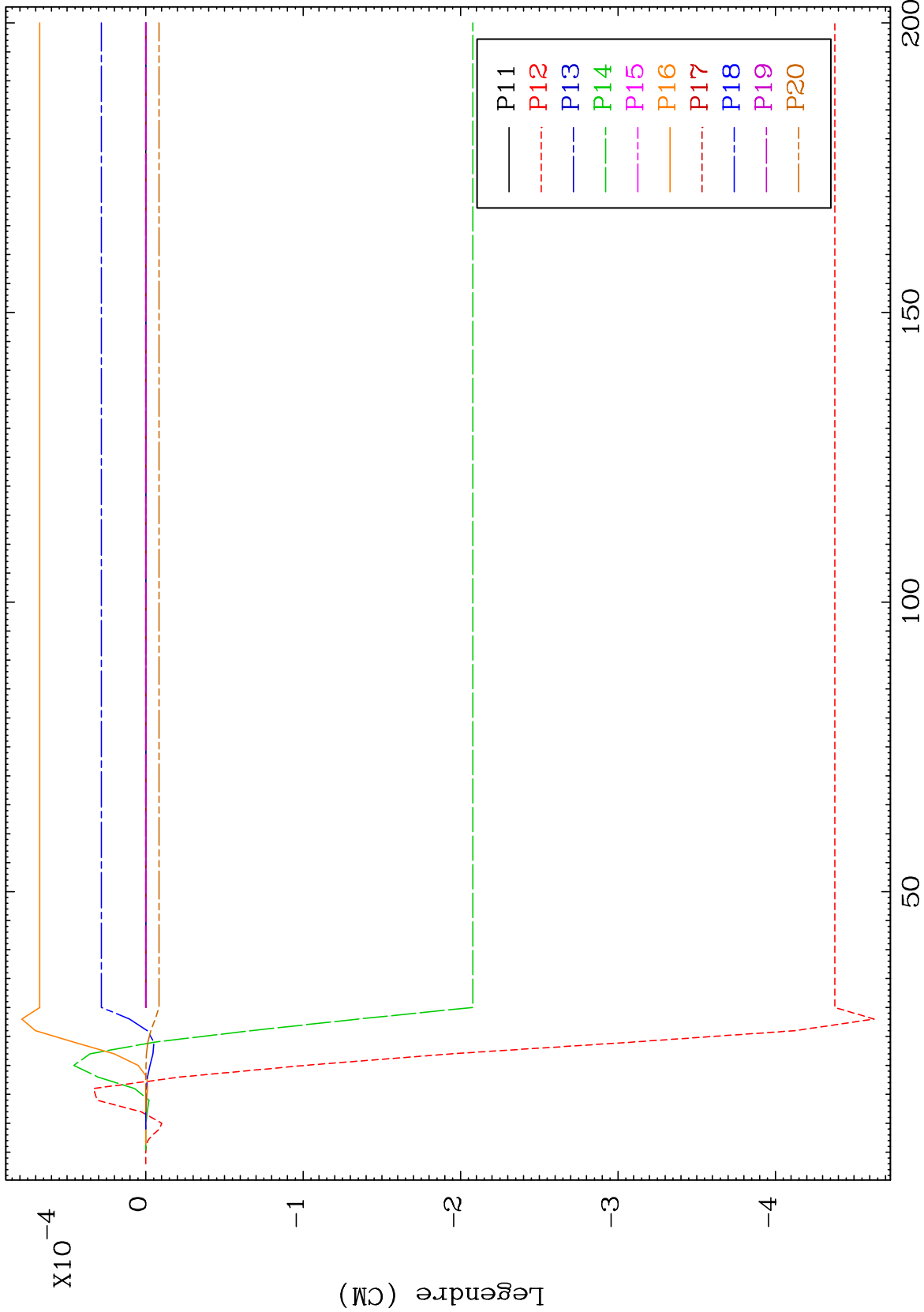
81-Tl-191



MAT 8089

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

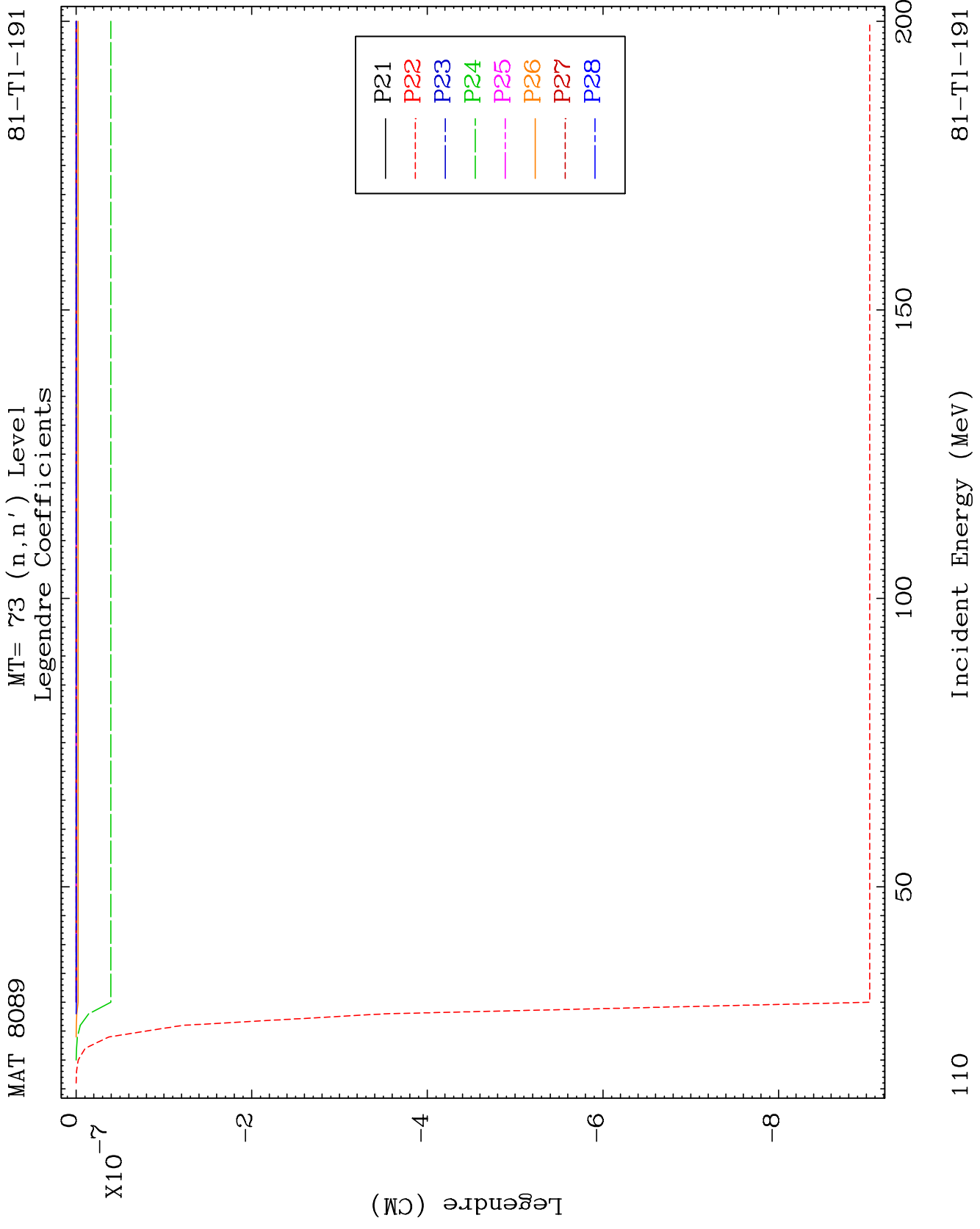
81-Tl-191



109

Incident Energy (MeV)

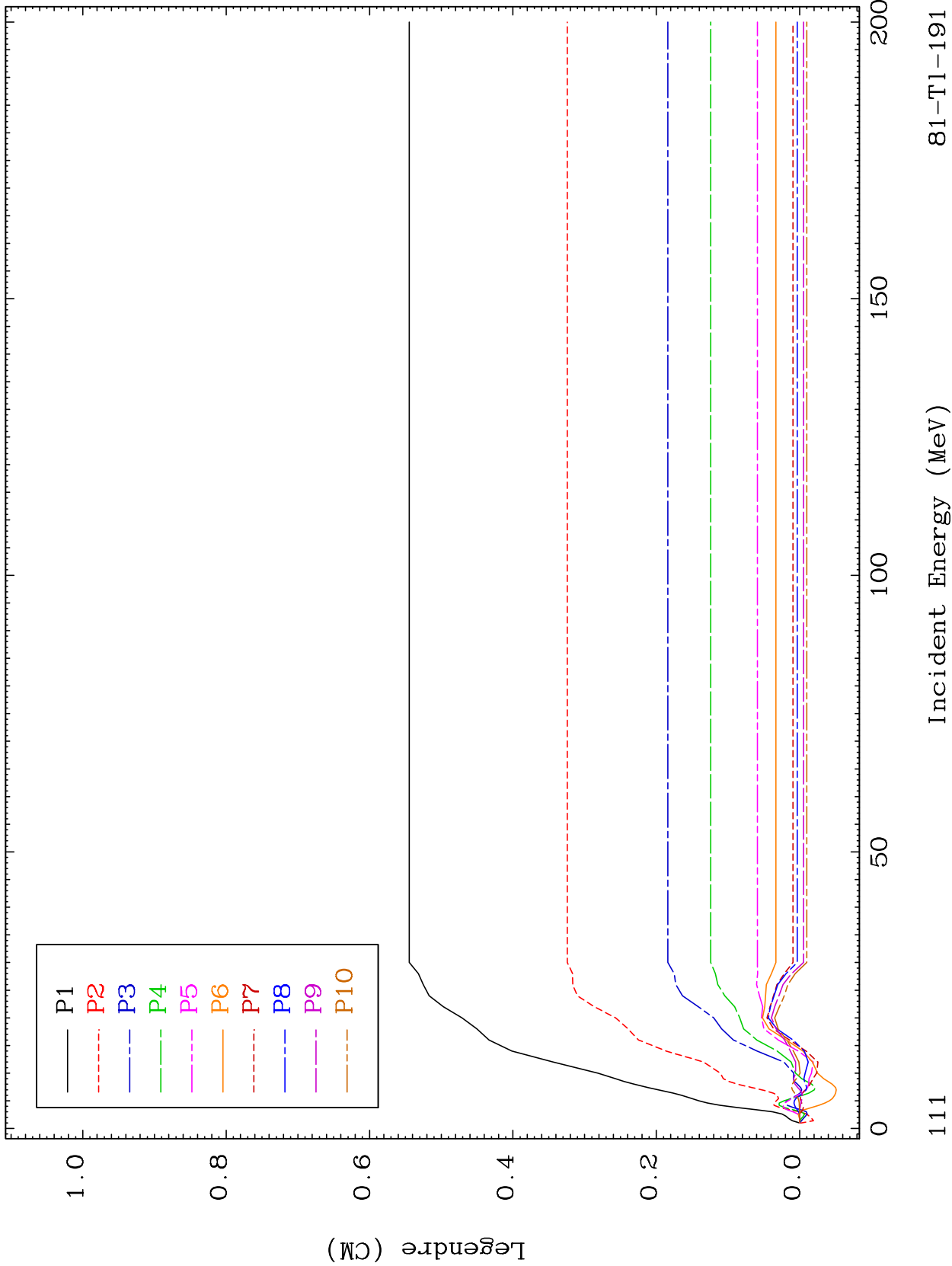
81-Tl-191



MAT 8089

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

81-Tl-191



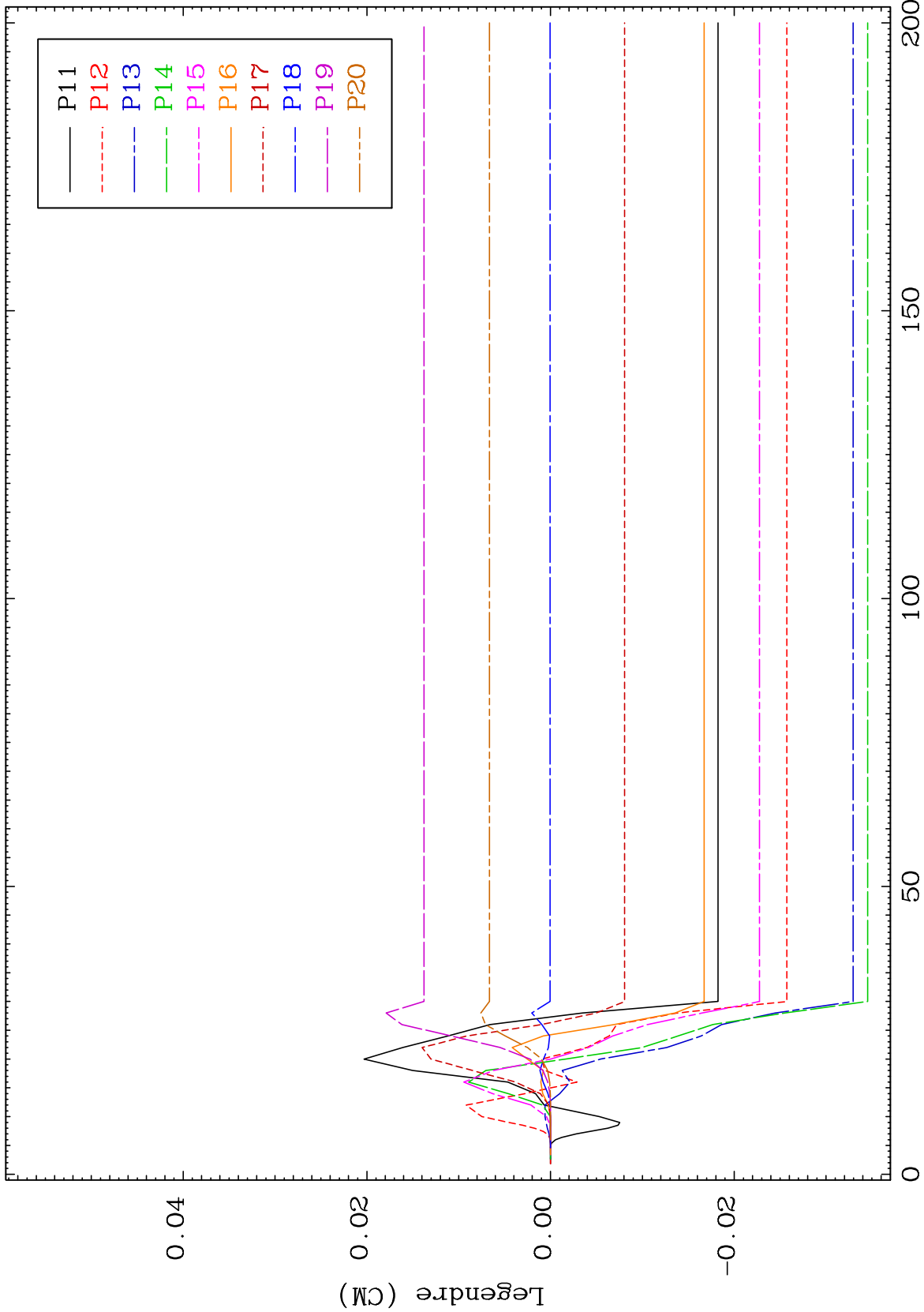
111



MAT 8089

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

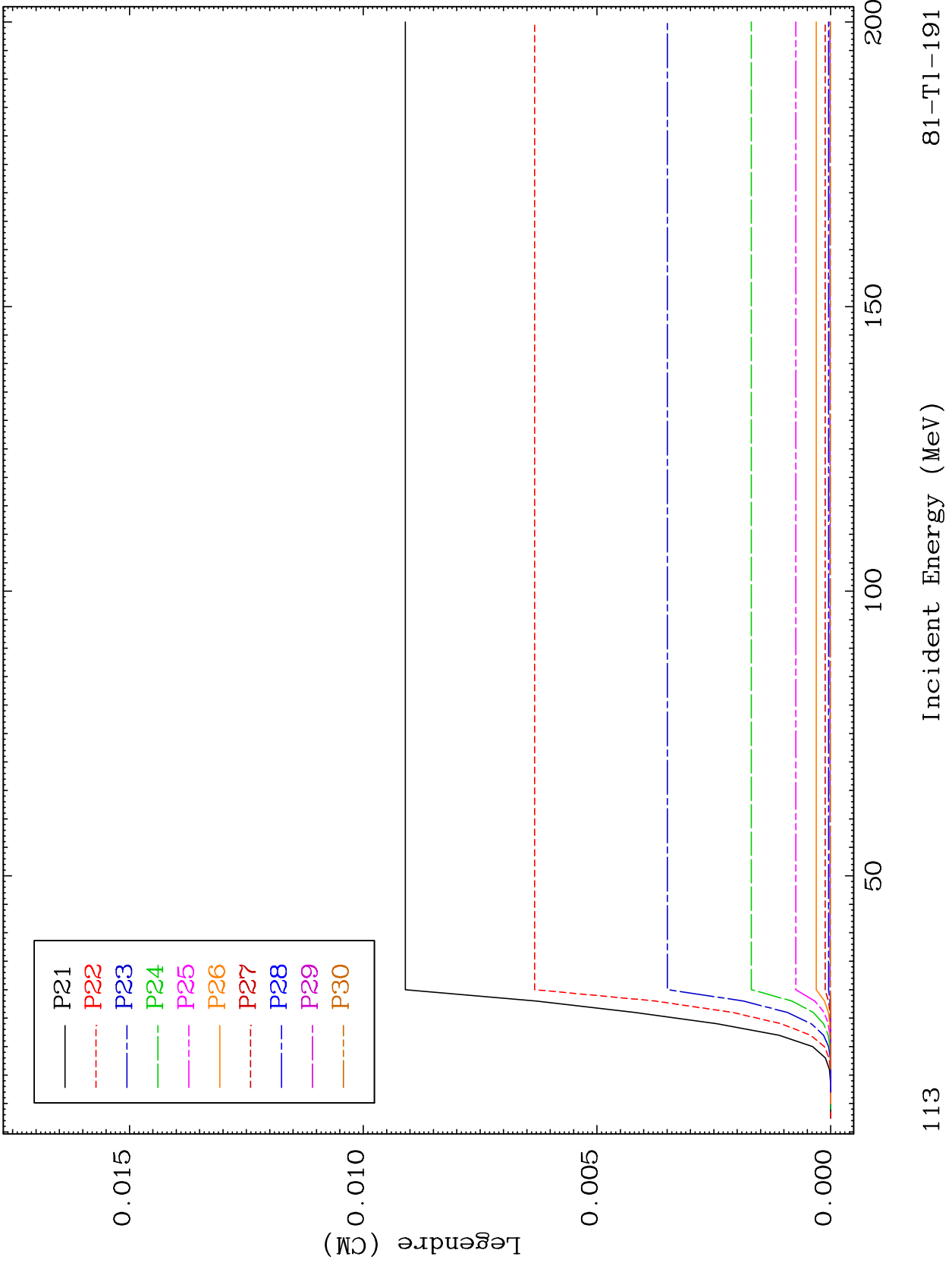
81-Tl-191



112

Incident Energy (MeV)

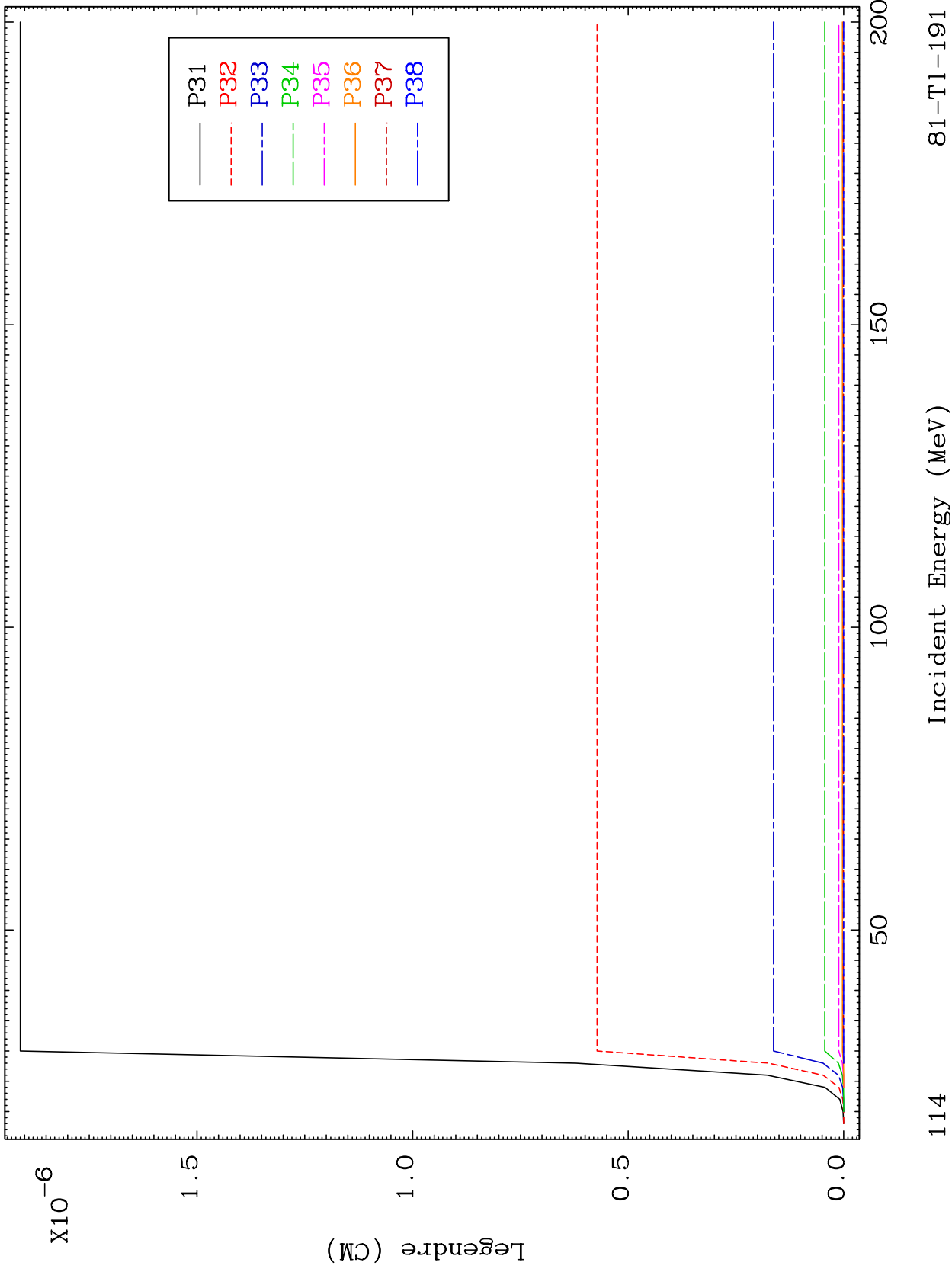
81-Tl-191



MAT 8089

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

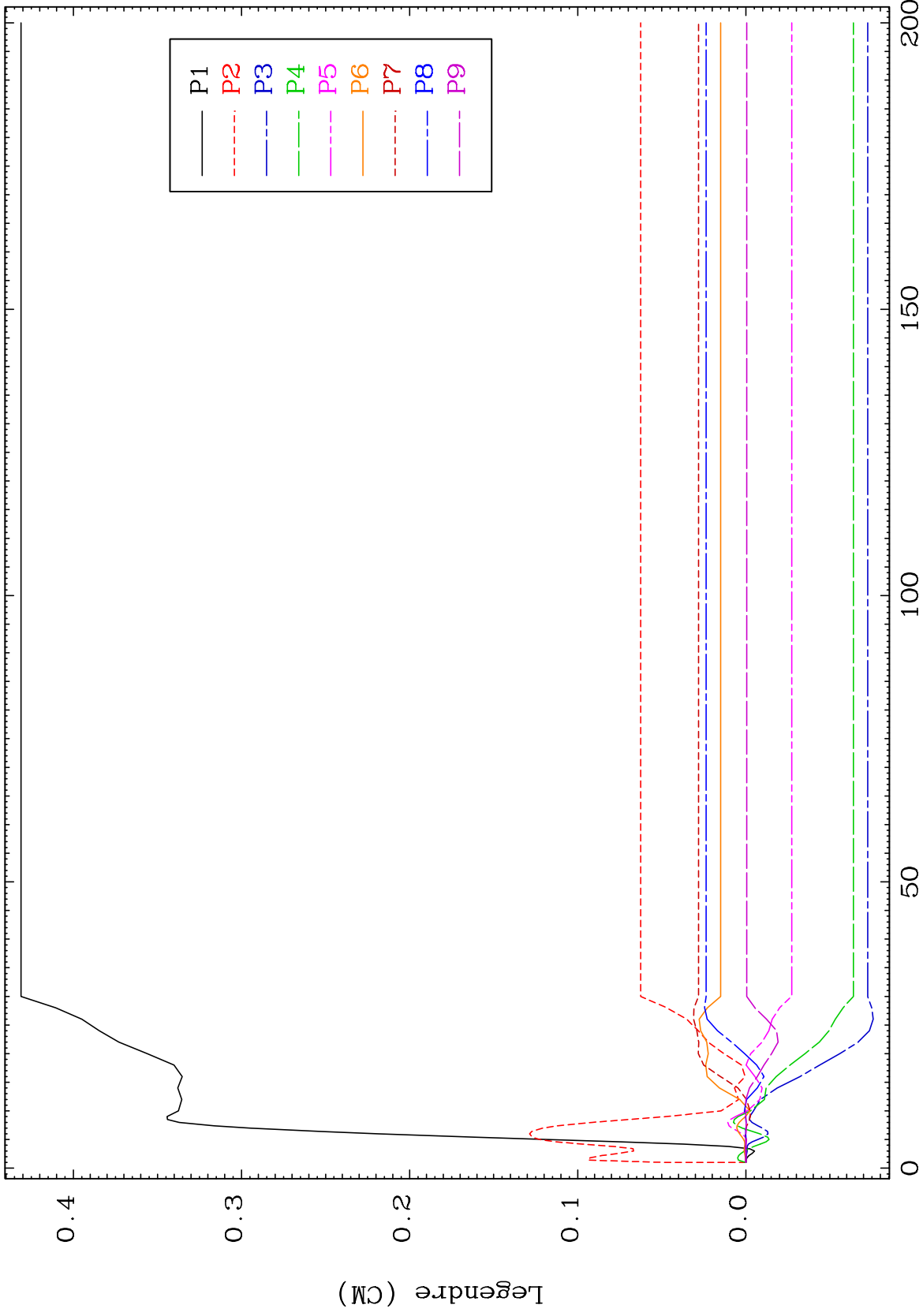
81-Tl-191



MAT 8089

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

81-Tl-191



115

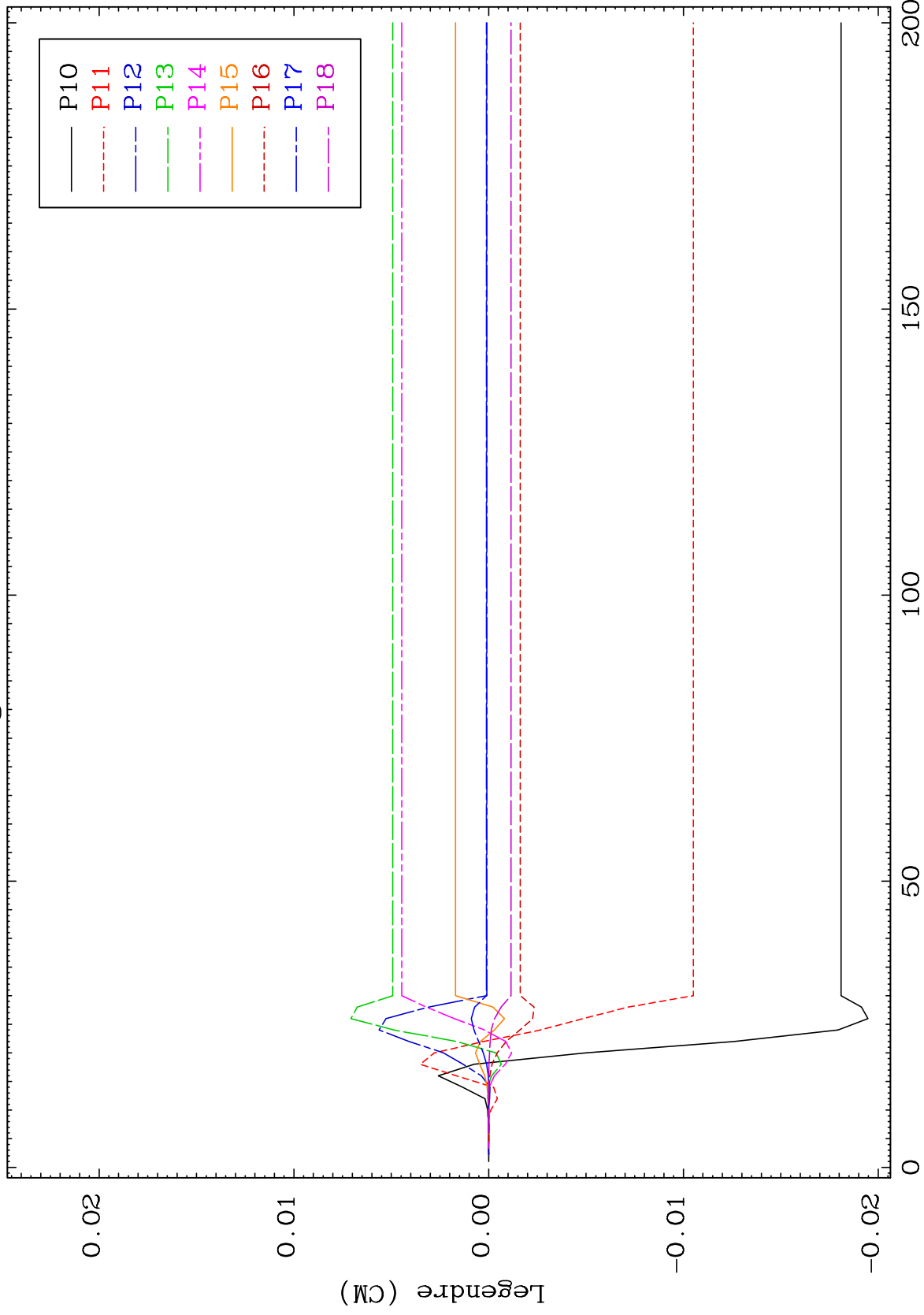
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



116

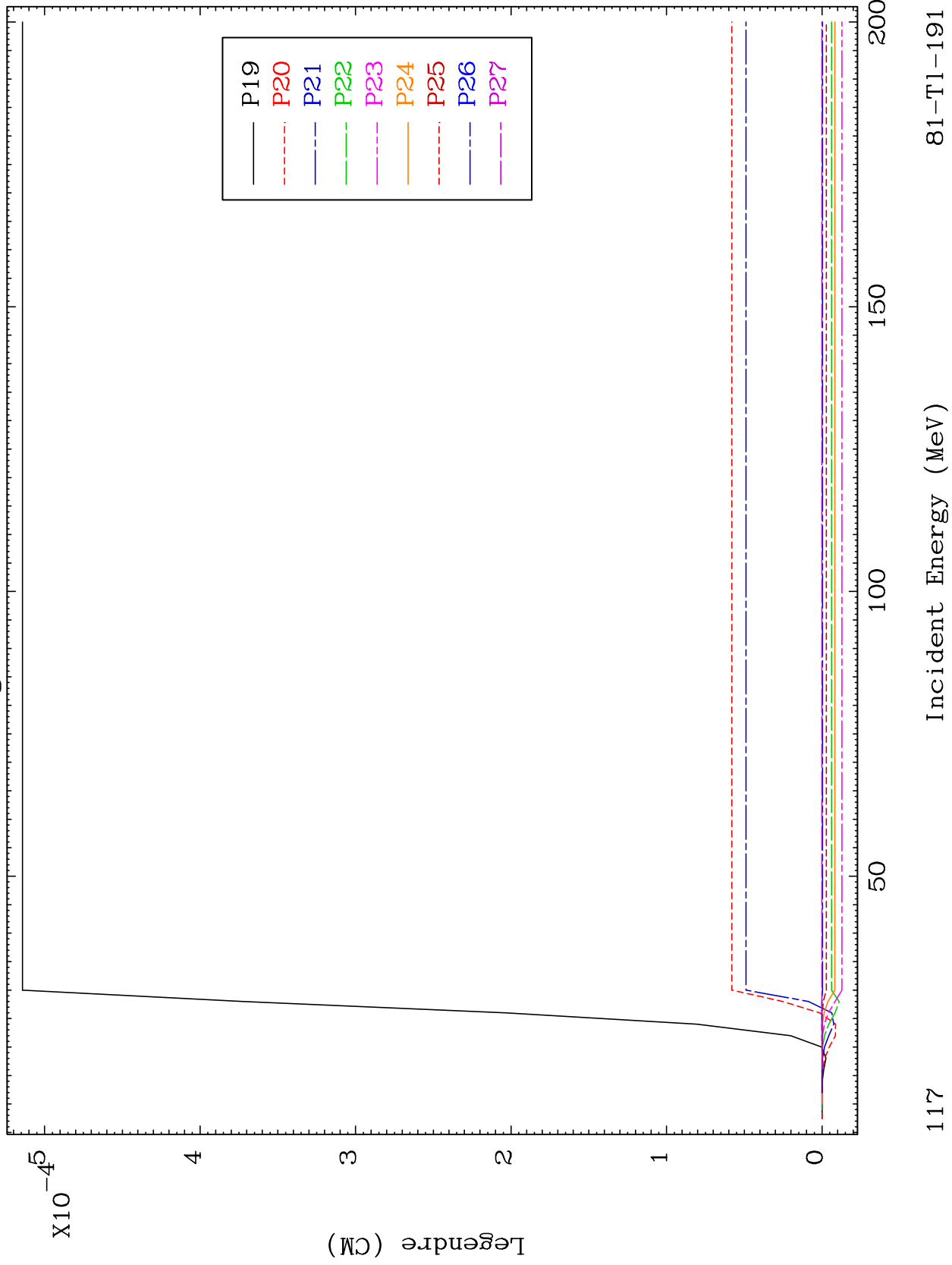
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-T1-191



117

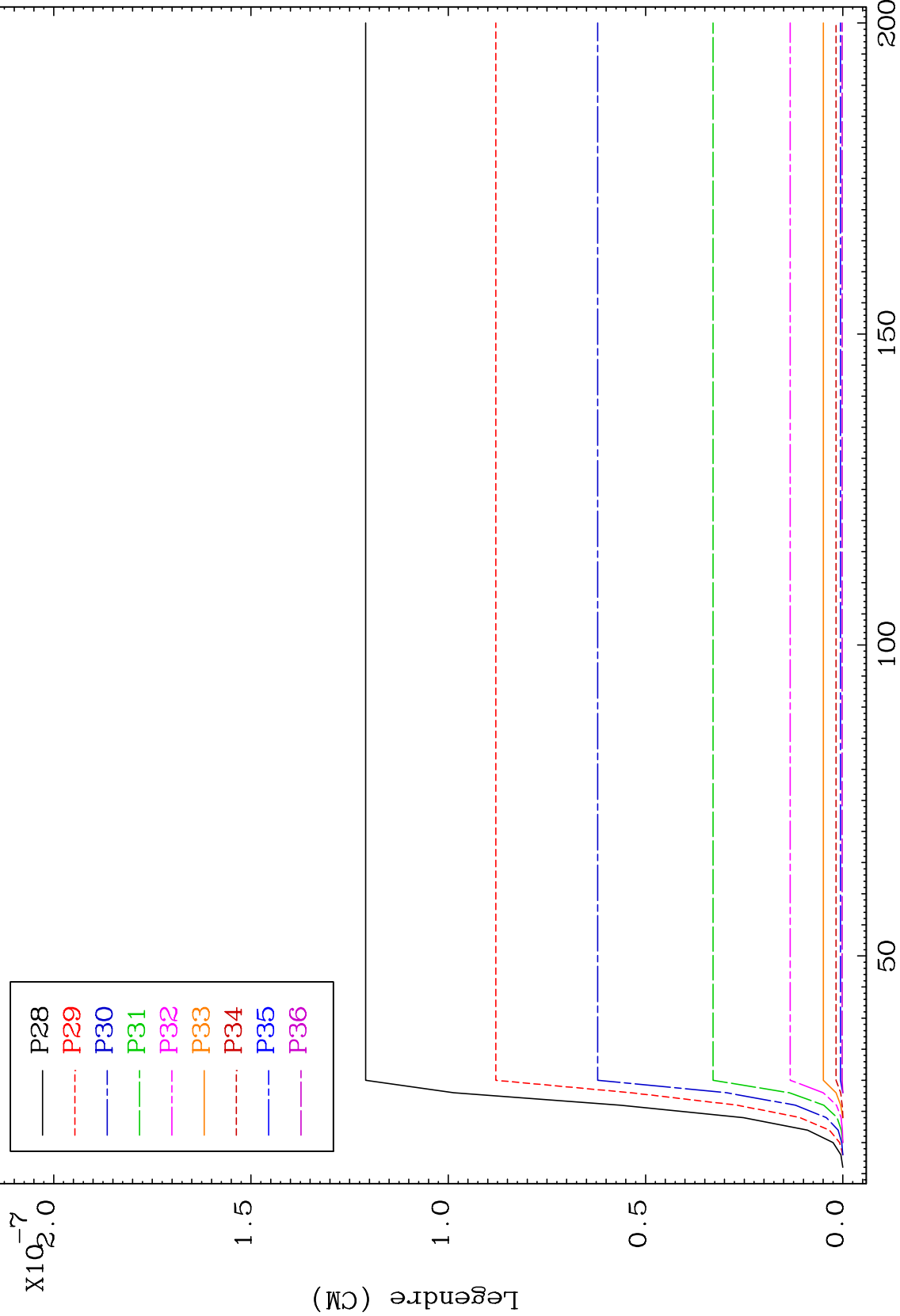
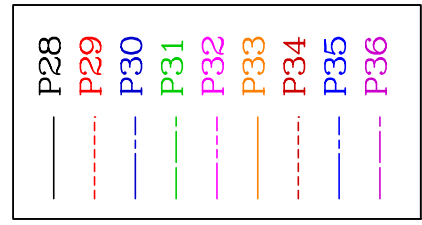
Incident Energy (MeV)

81-T1-191

MAT 8089

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

81-Tl-191



118

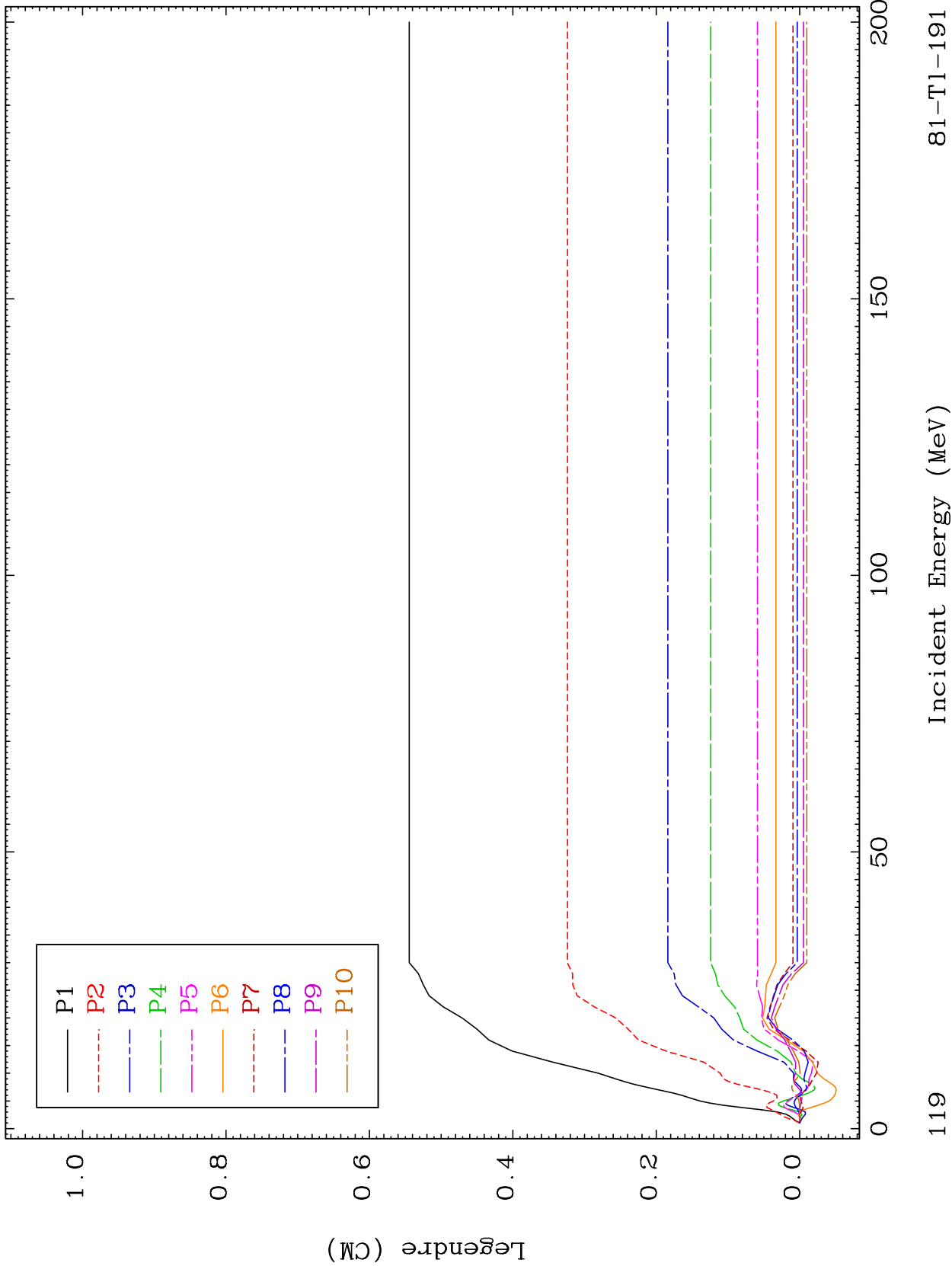
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



119

Incident Energy (MeV)

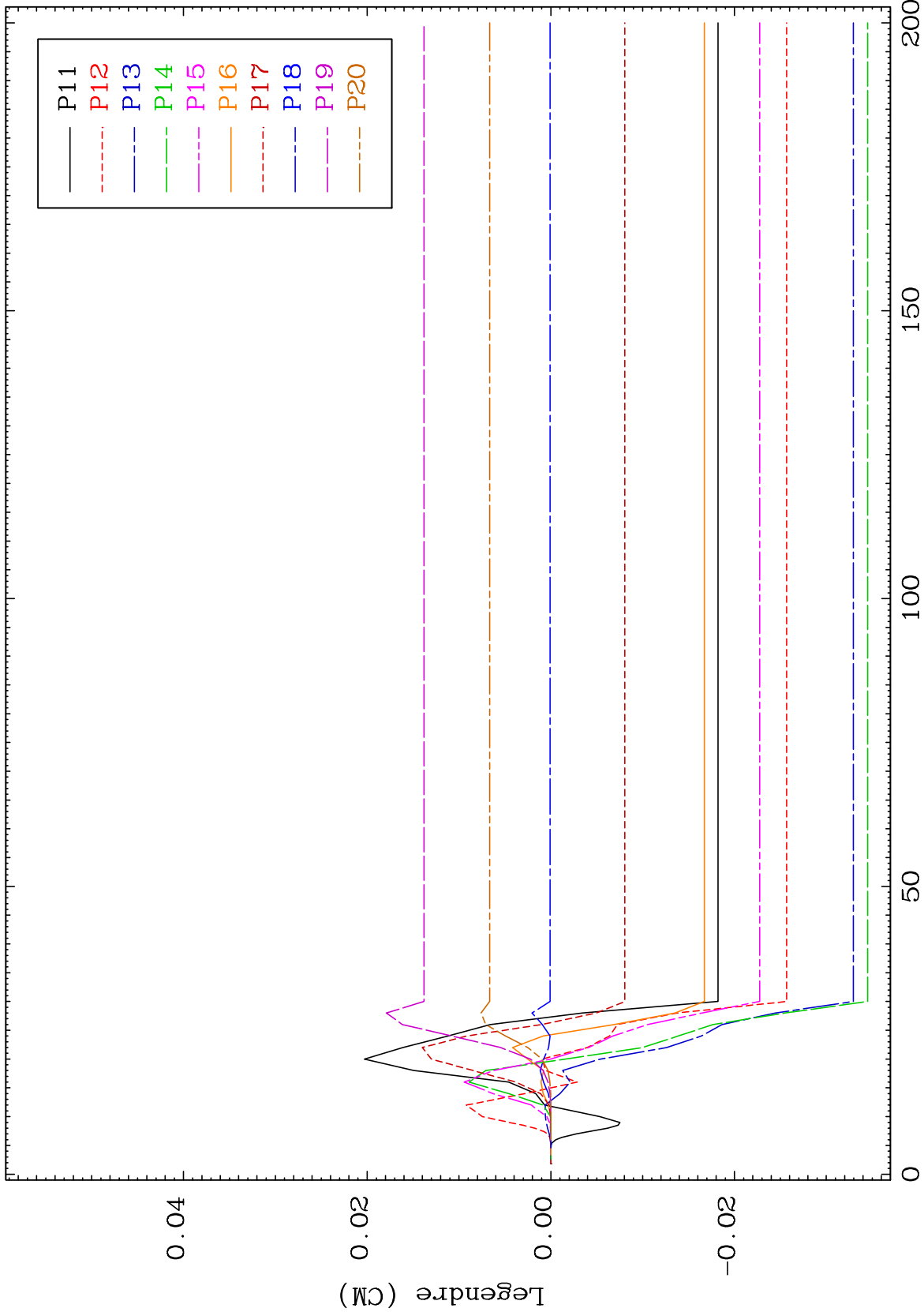
81-Tl-191



MAT 8089

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

81-Tl-191



81-Tl-191

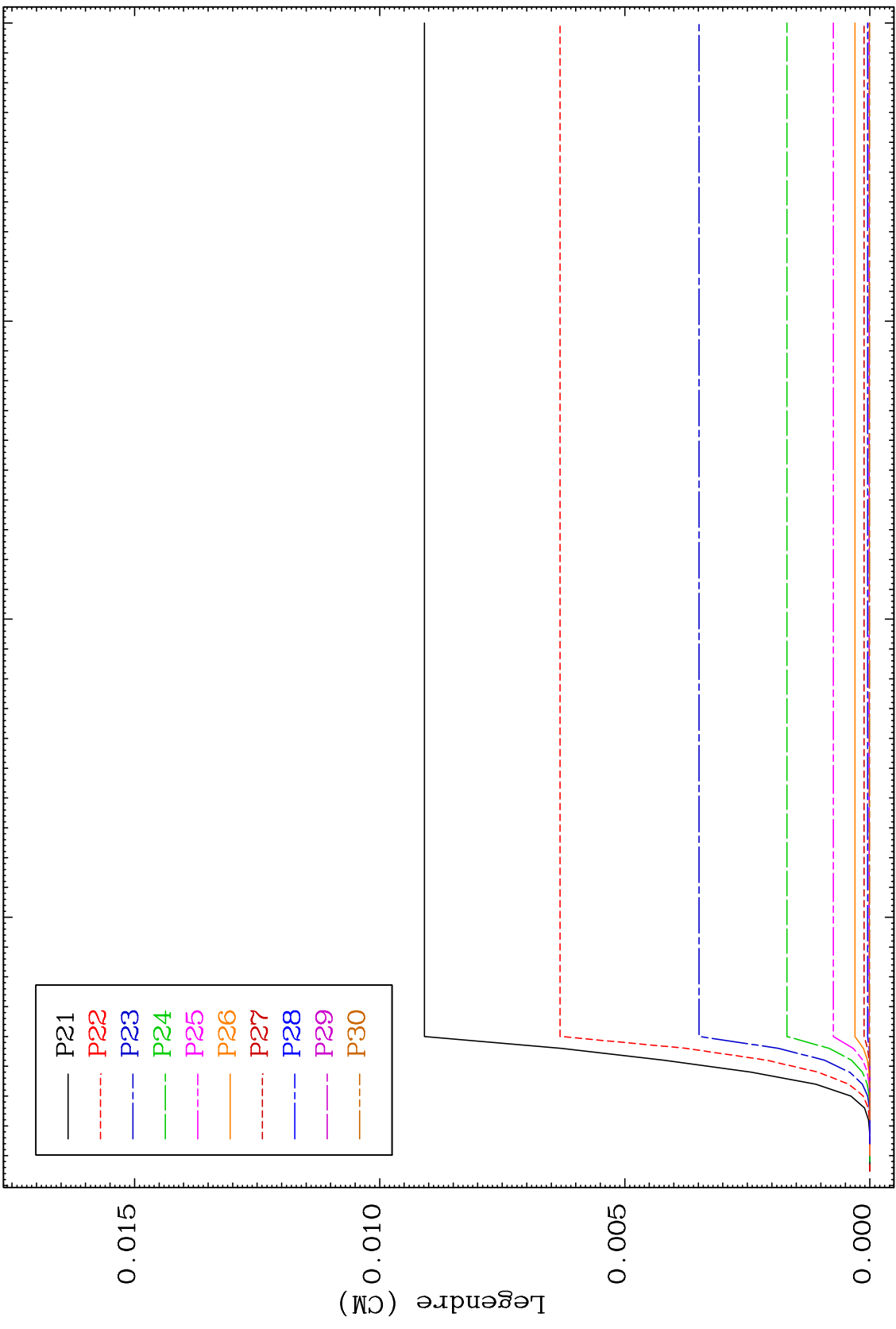
Incident Energy (MeV)

120

MAT 8089

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

81-Tl-191



121

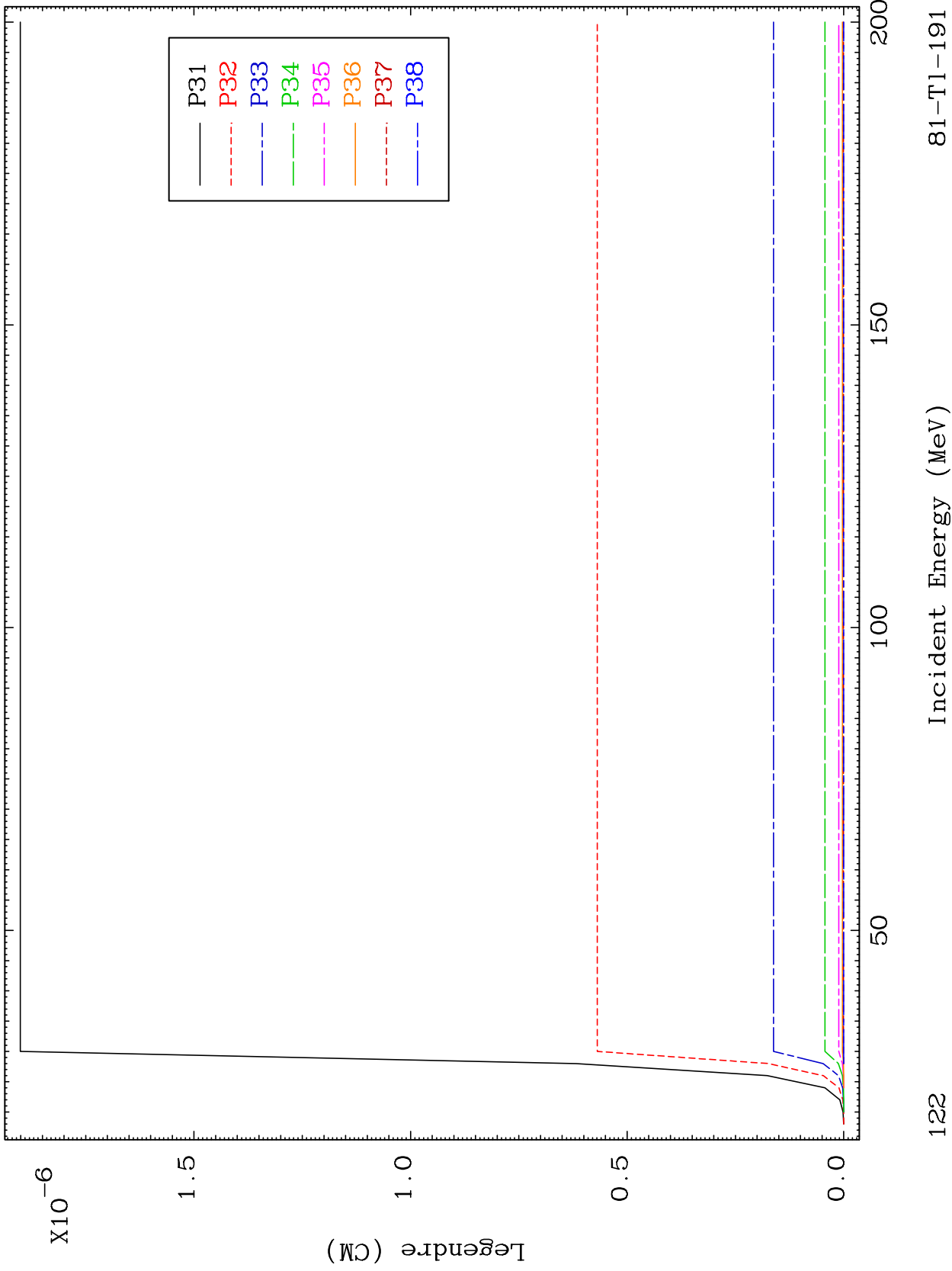
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



122

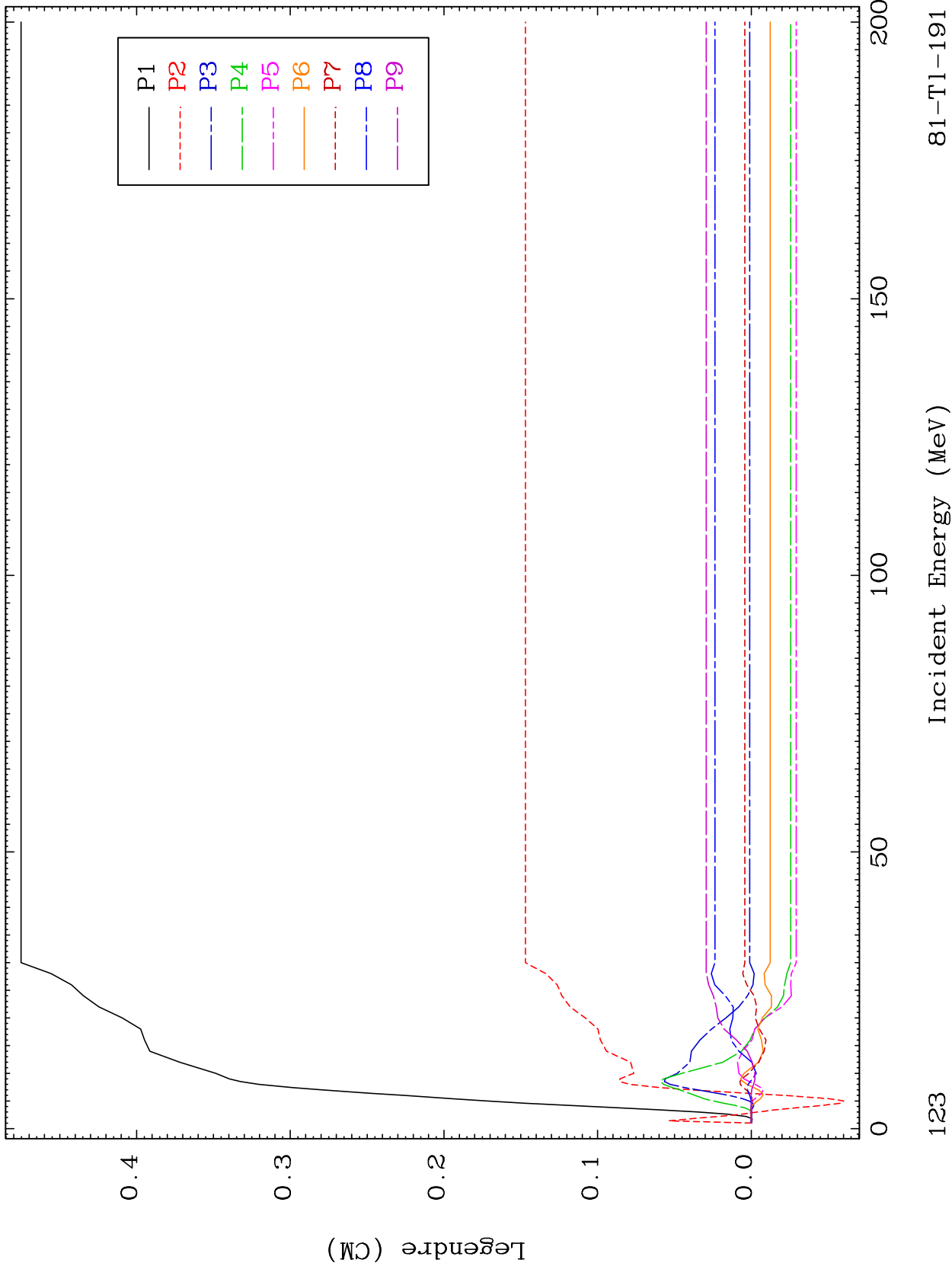
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



81-Tl-191

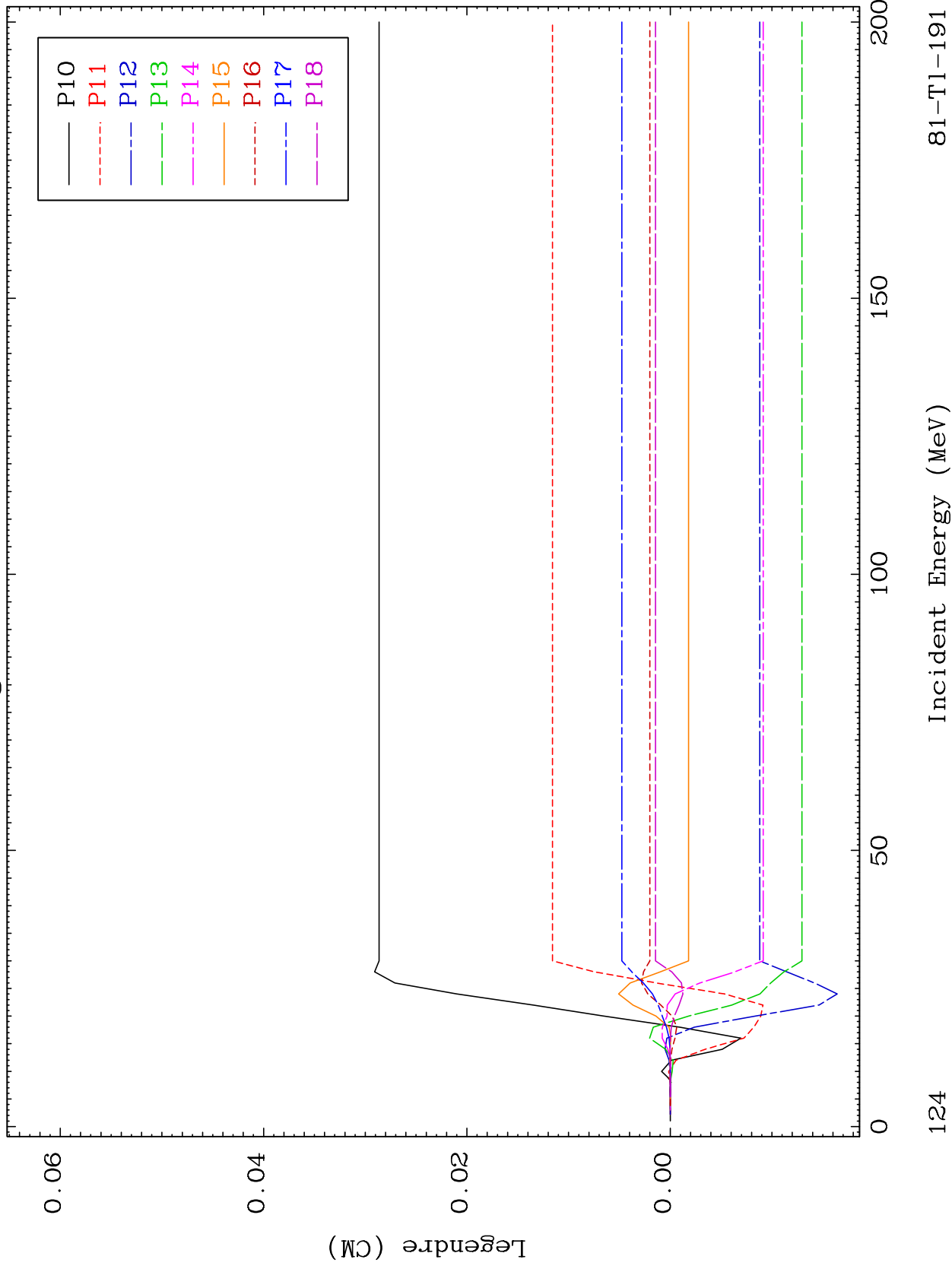
Incident Energy (MeV)

123

MAT 8089

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

81-Tl-191



124

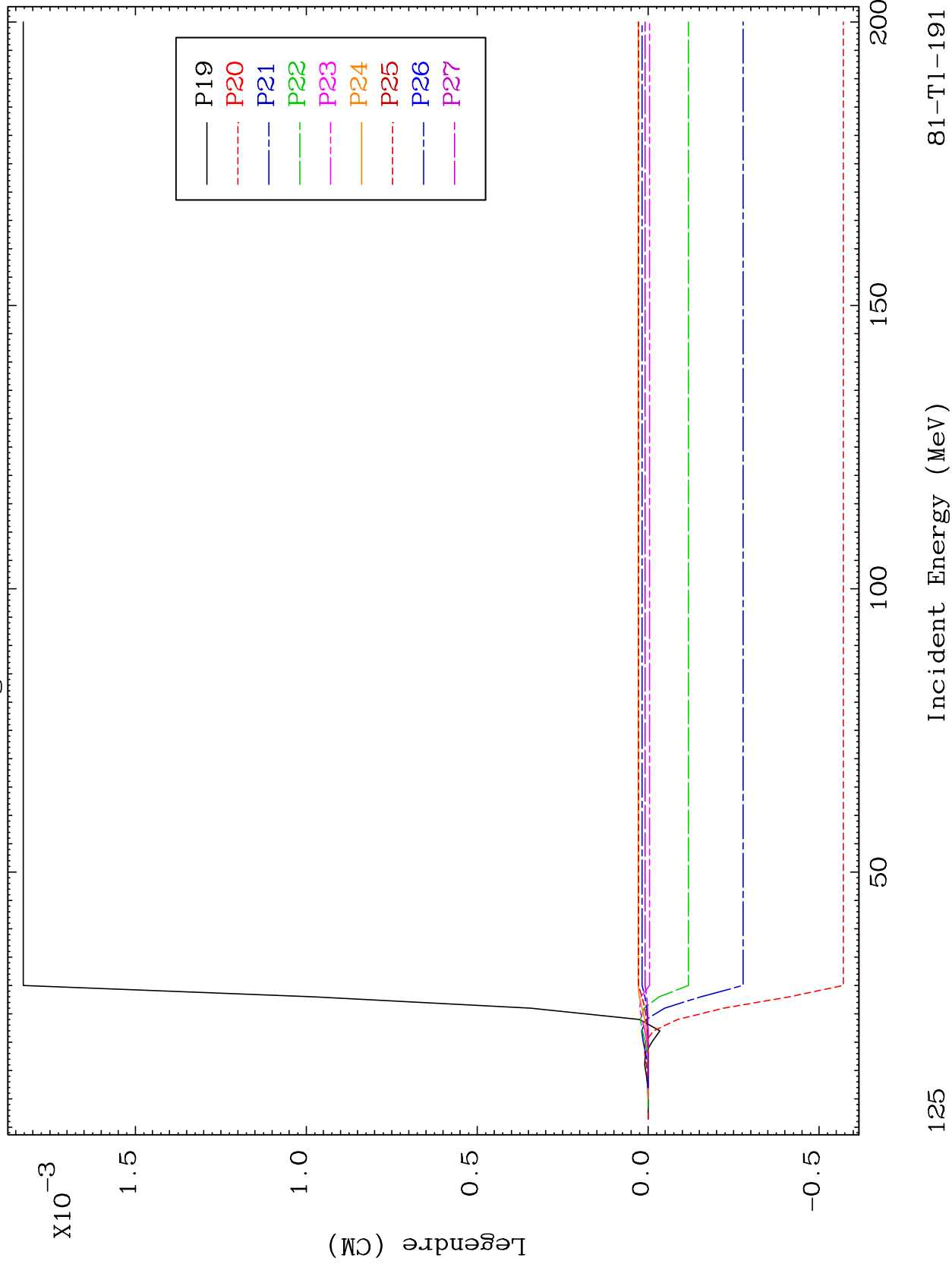
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



125

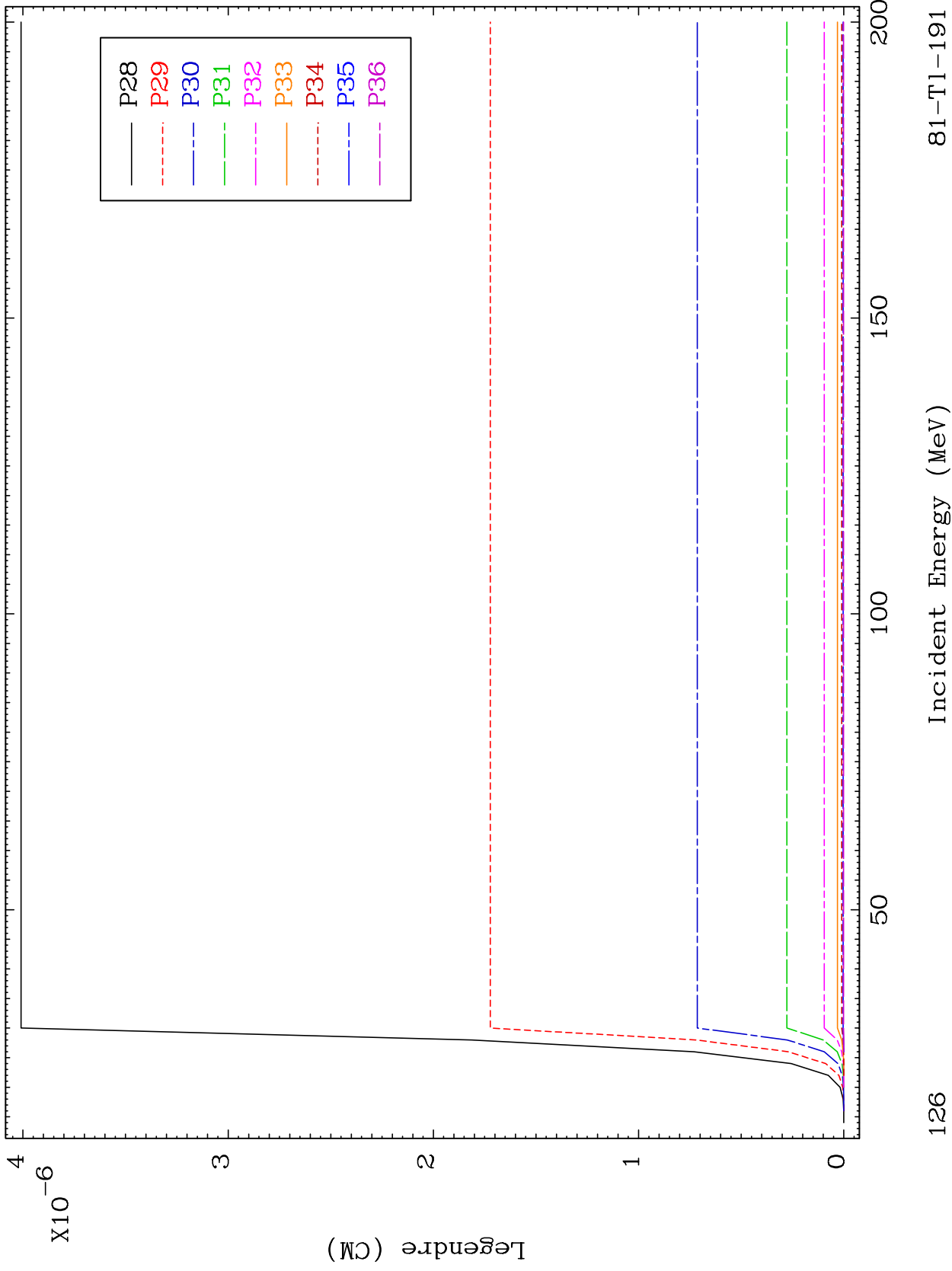
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



126

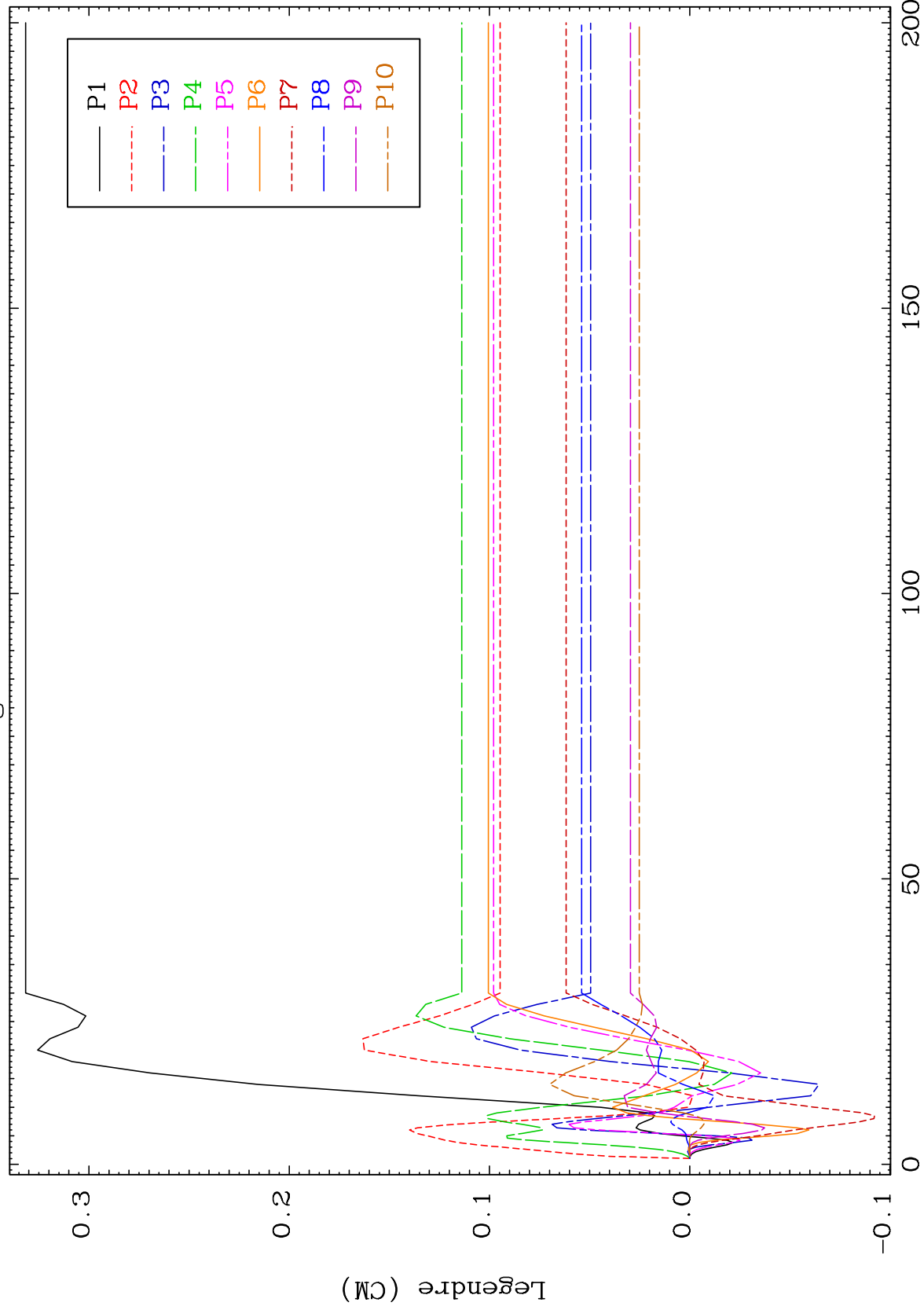
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

81-Tl-191



127

Incident Energy (MeV)

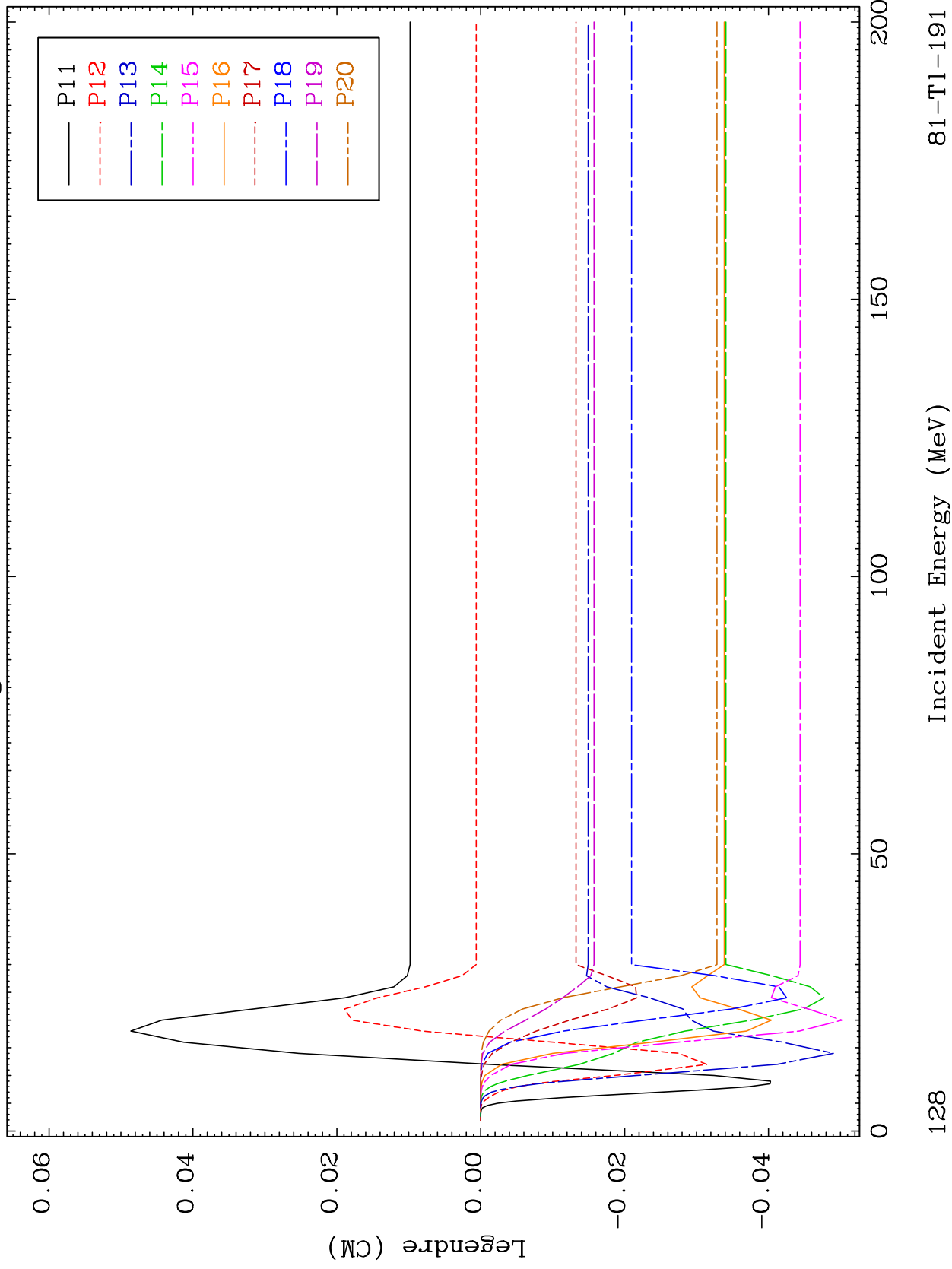
81-Tl-191



MAT 8089

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

81-Tl-191



128

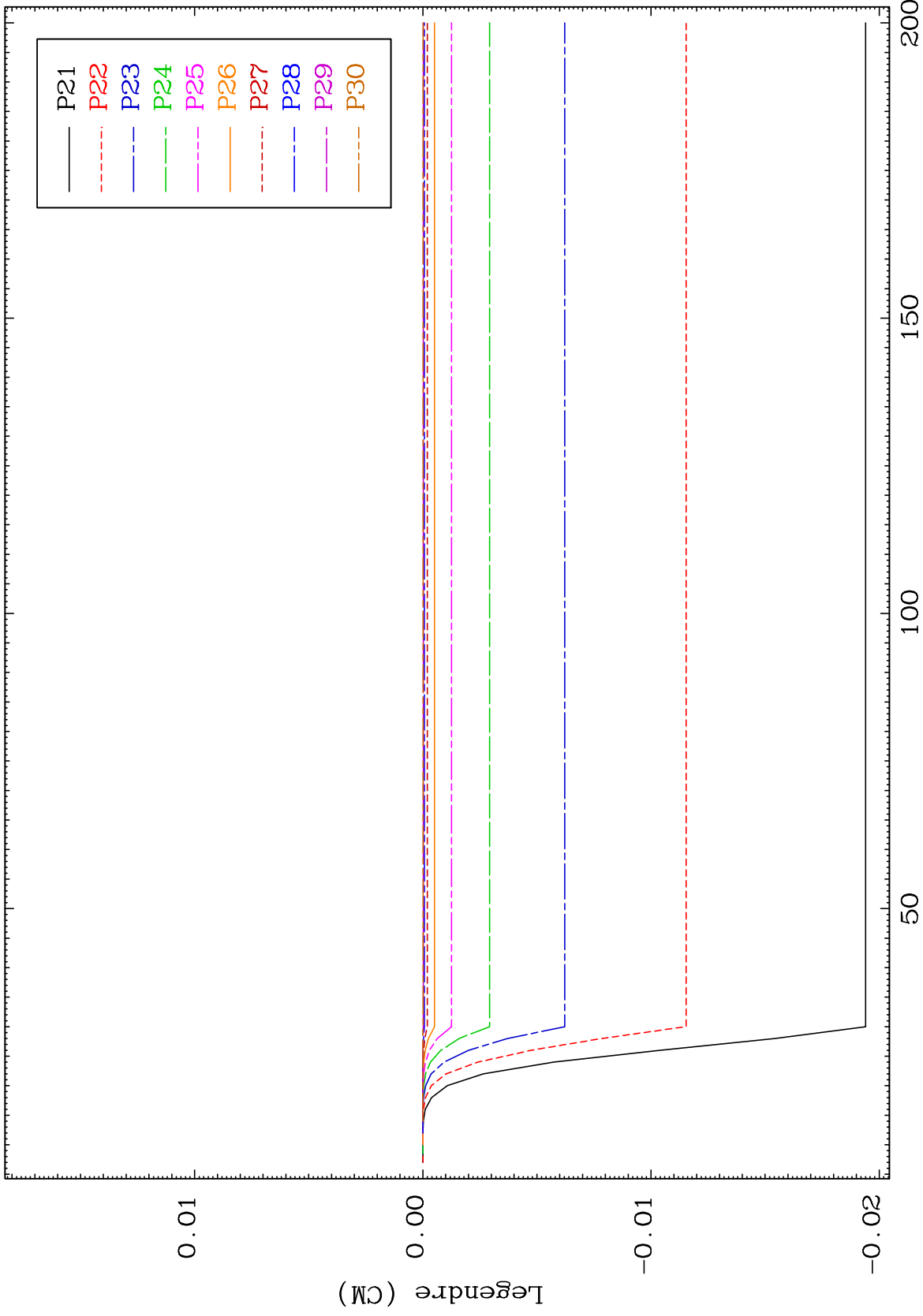
Incident Energy (MeV)

81-Tl-191

MAT 8089

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

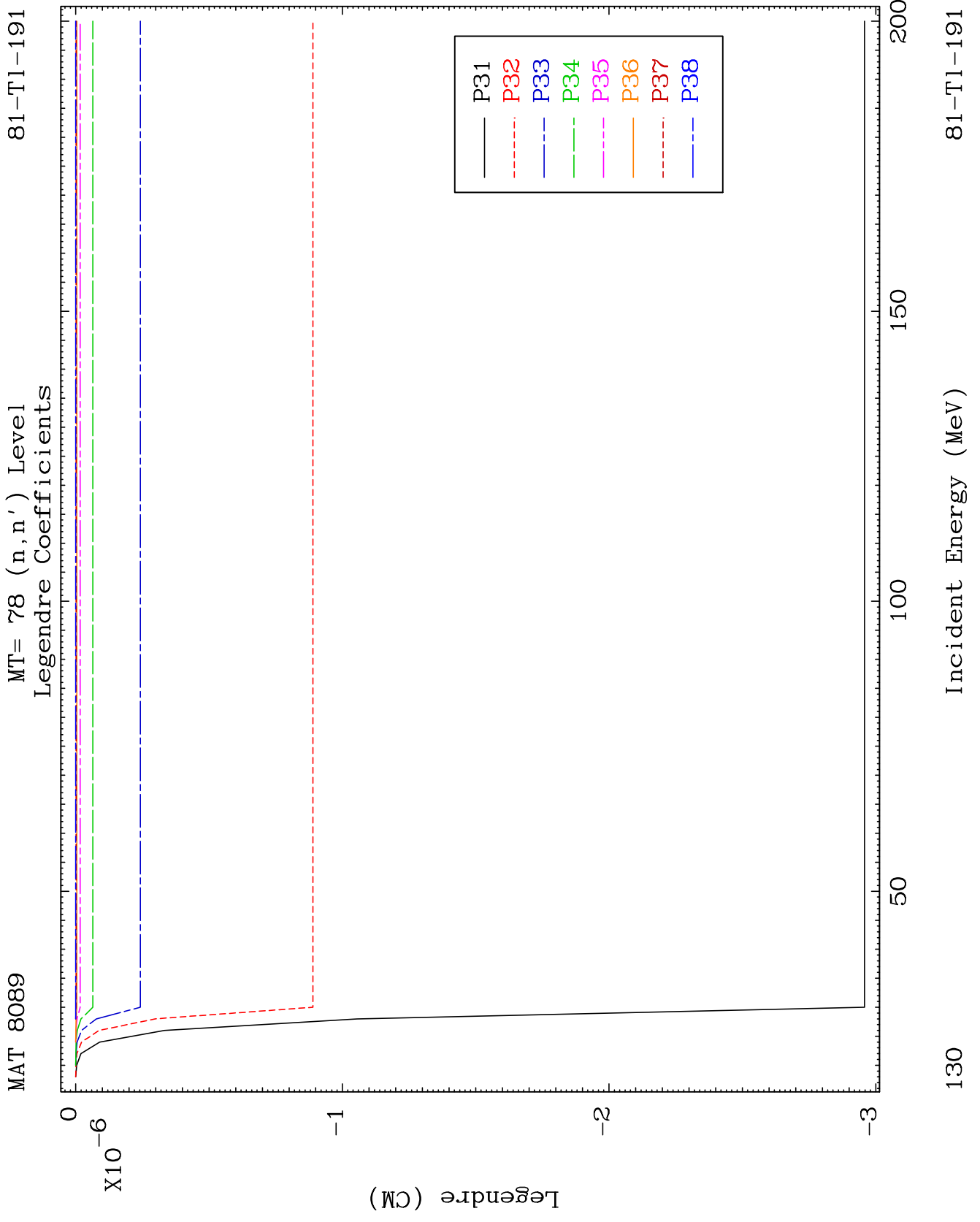
81-Tl-191



129

Incident Energy (MeV)

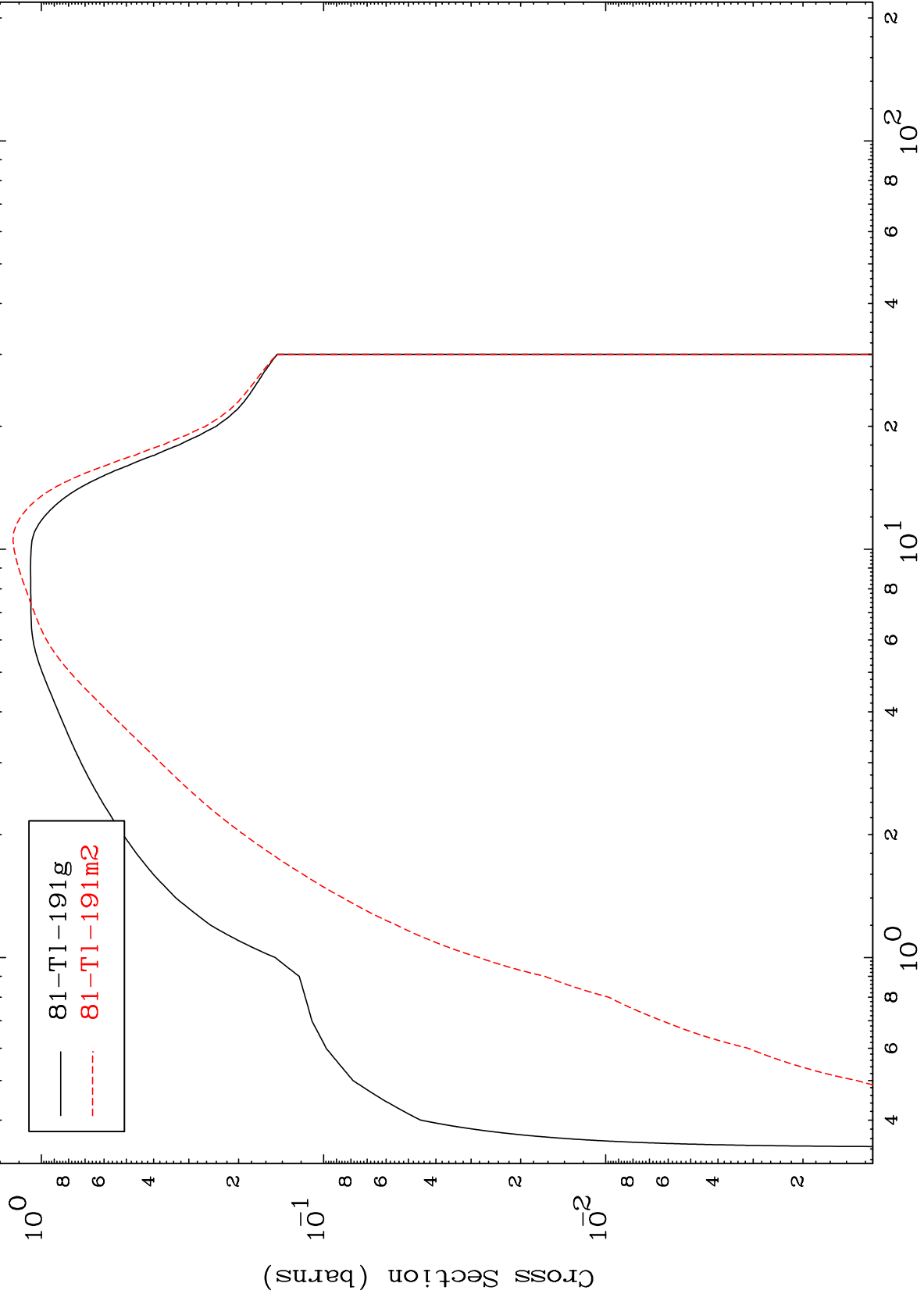
81-Tl-191



MAT 8089

81-Tl-191

Inelastic  
Radionuclide Production Cross Section



131

81-Tl-191

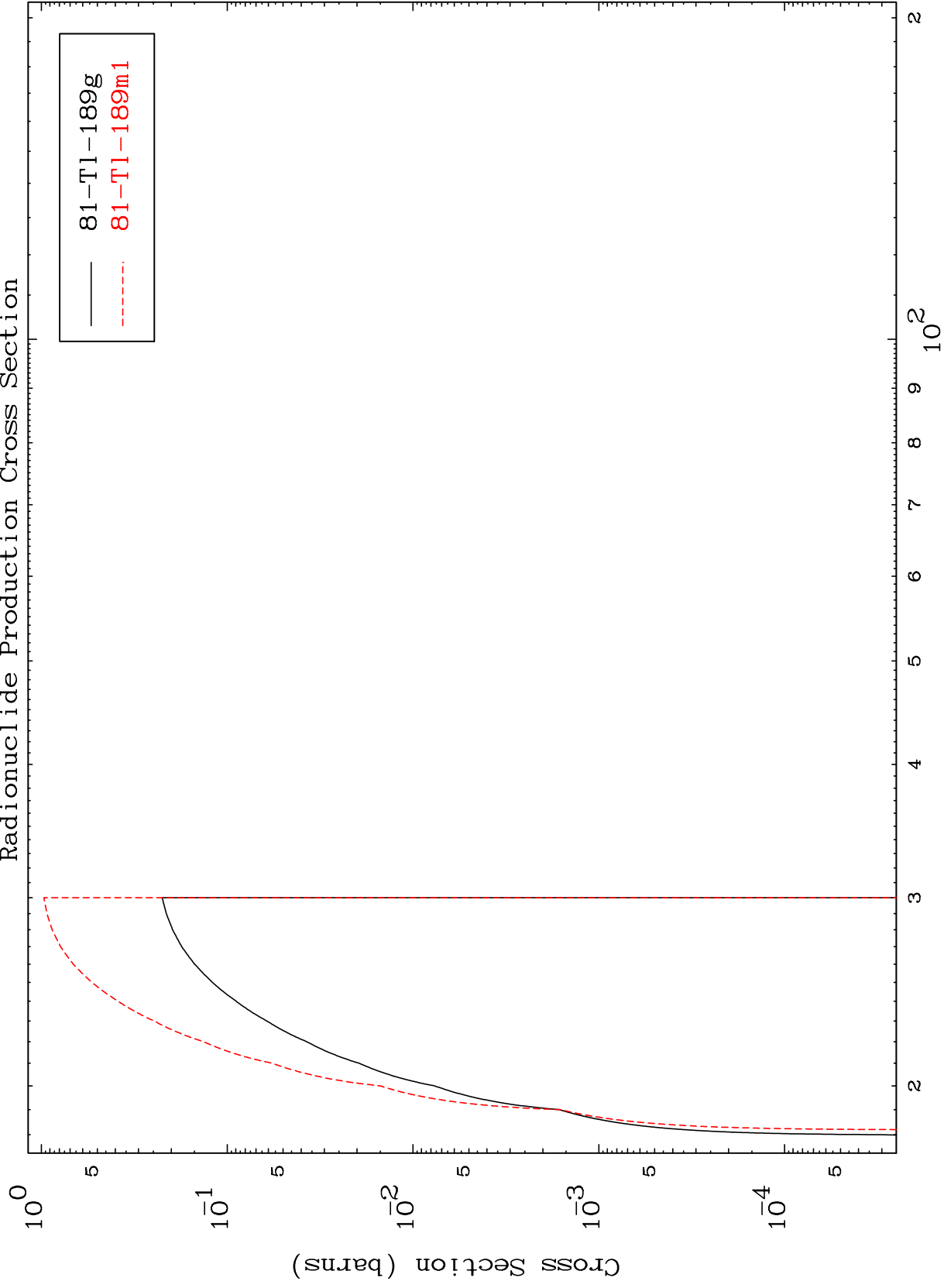
Incident Energy (MeV)

MAT 8089

(n,3n)

81-Tl-191

Radionuclide Production Cross Section



132

Incident Energy (MeV)

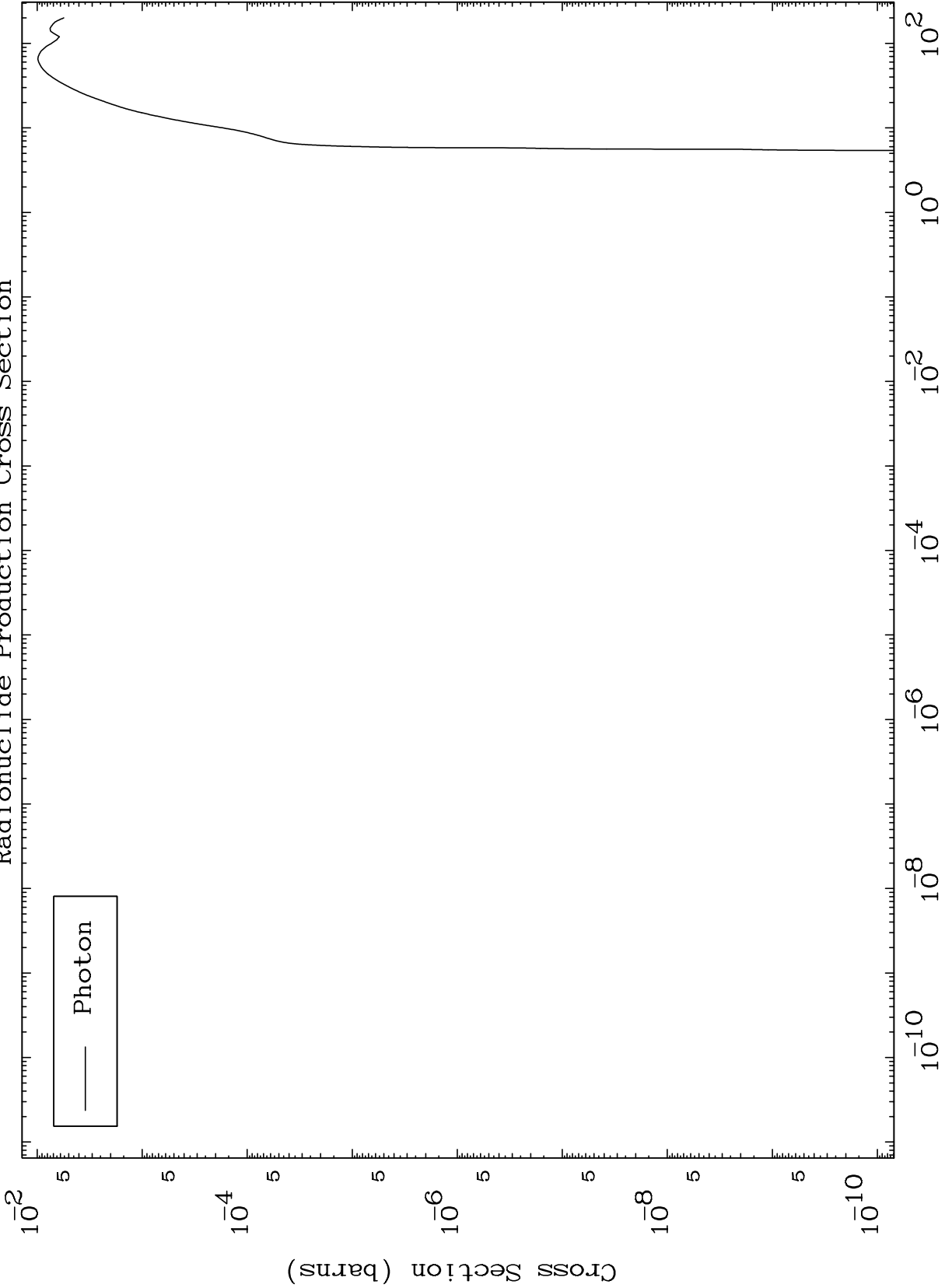
81-Tl-191

MAT 8089

Fission

81-Tl-191

Radionuclide Production Cross Section



133

Incident Energy (MeV)

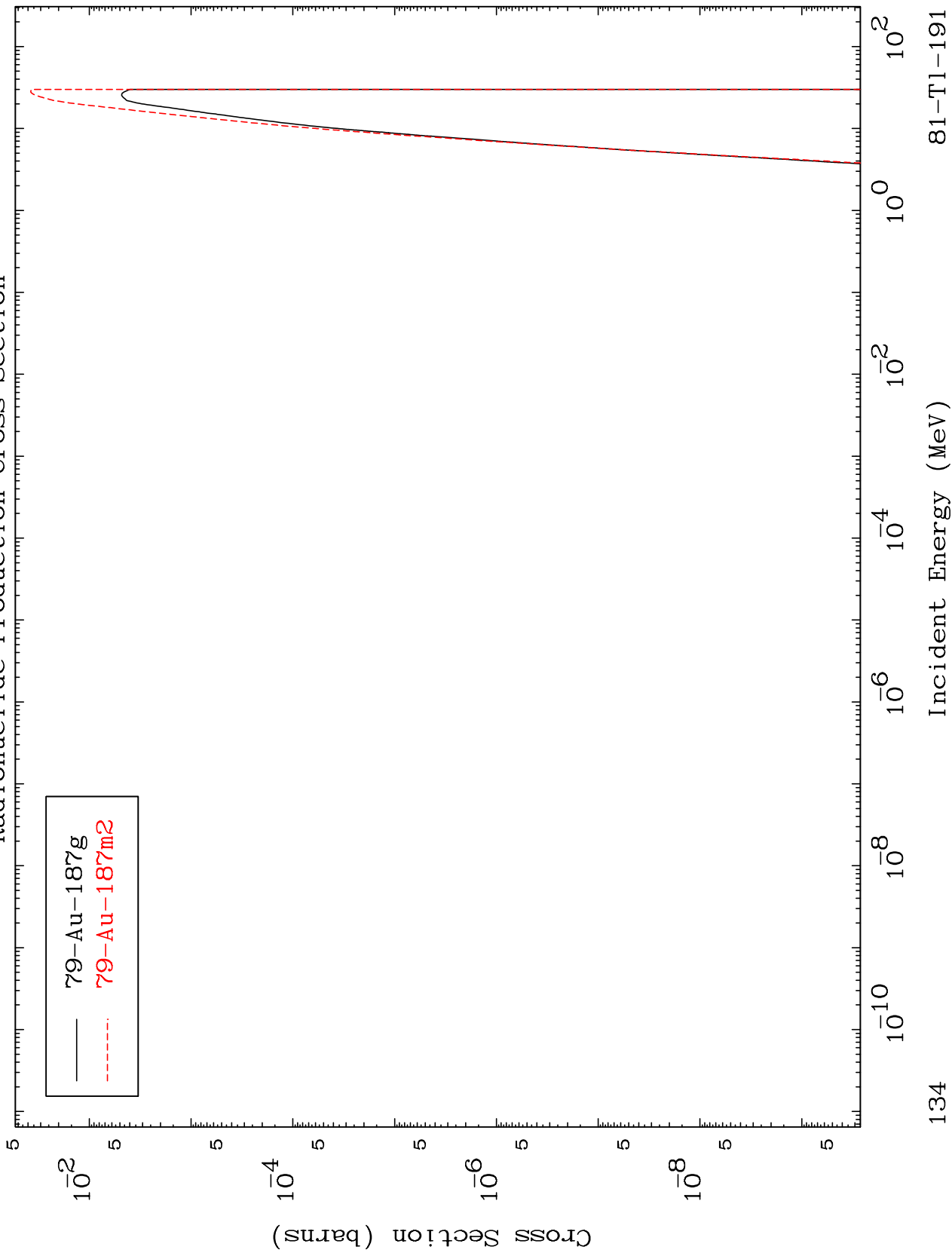
81-Tl-191

MAT 8089

$(n, n') \alpha$

81-Tl-191

Radionuclide Production Cross Section



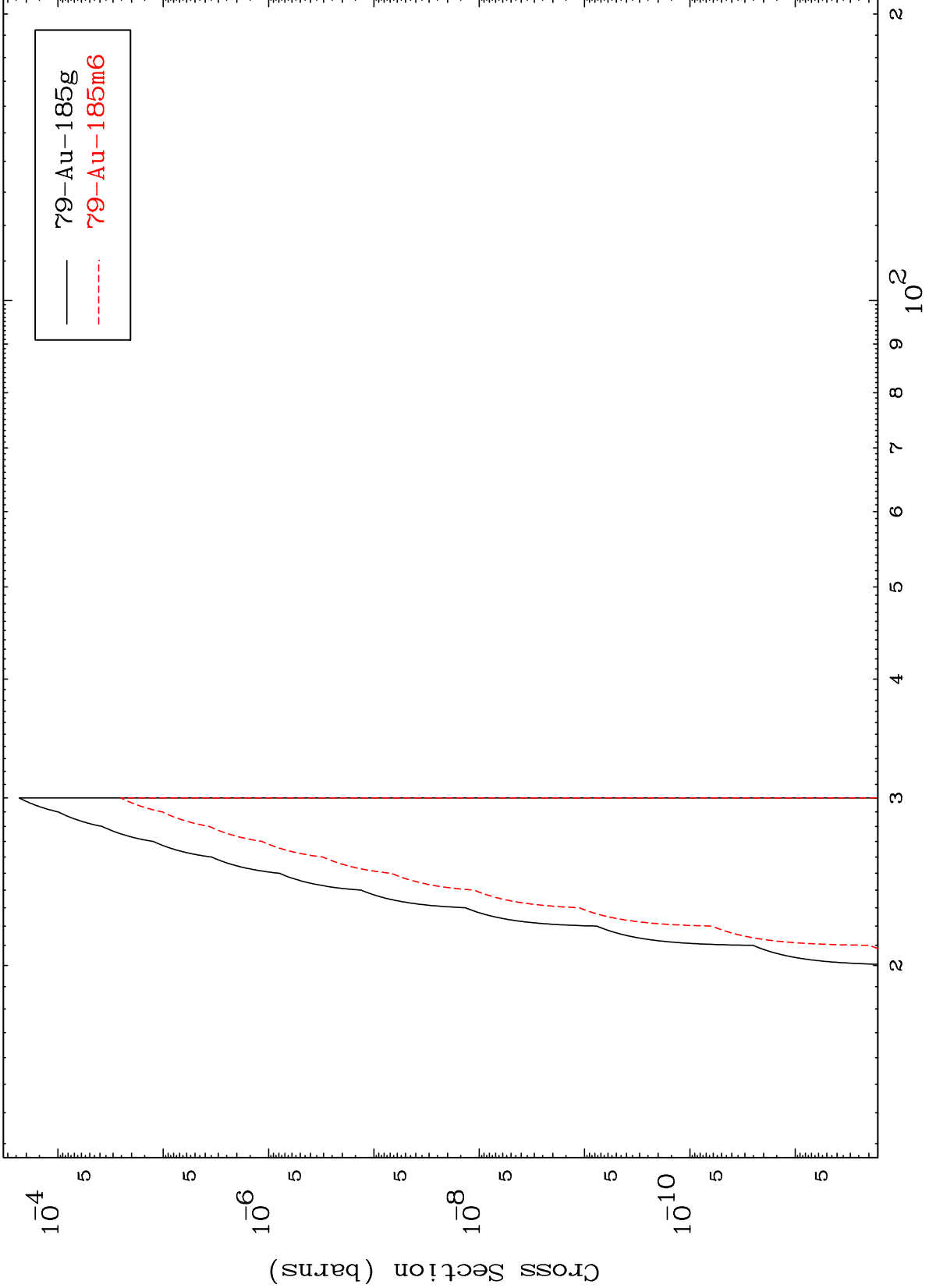
—  $^{79}\text{Au-187g}$   
- - -  $^{79}\text{Au-187m2}$

MAT 8089

(n,3n)  $\alpha$

81-Tl-191

Radionuclide Production Cross Section



135

Incident Energy (MeV)

81-Tl-191

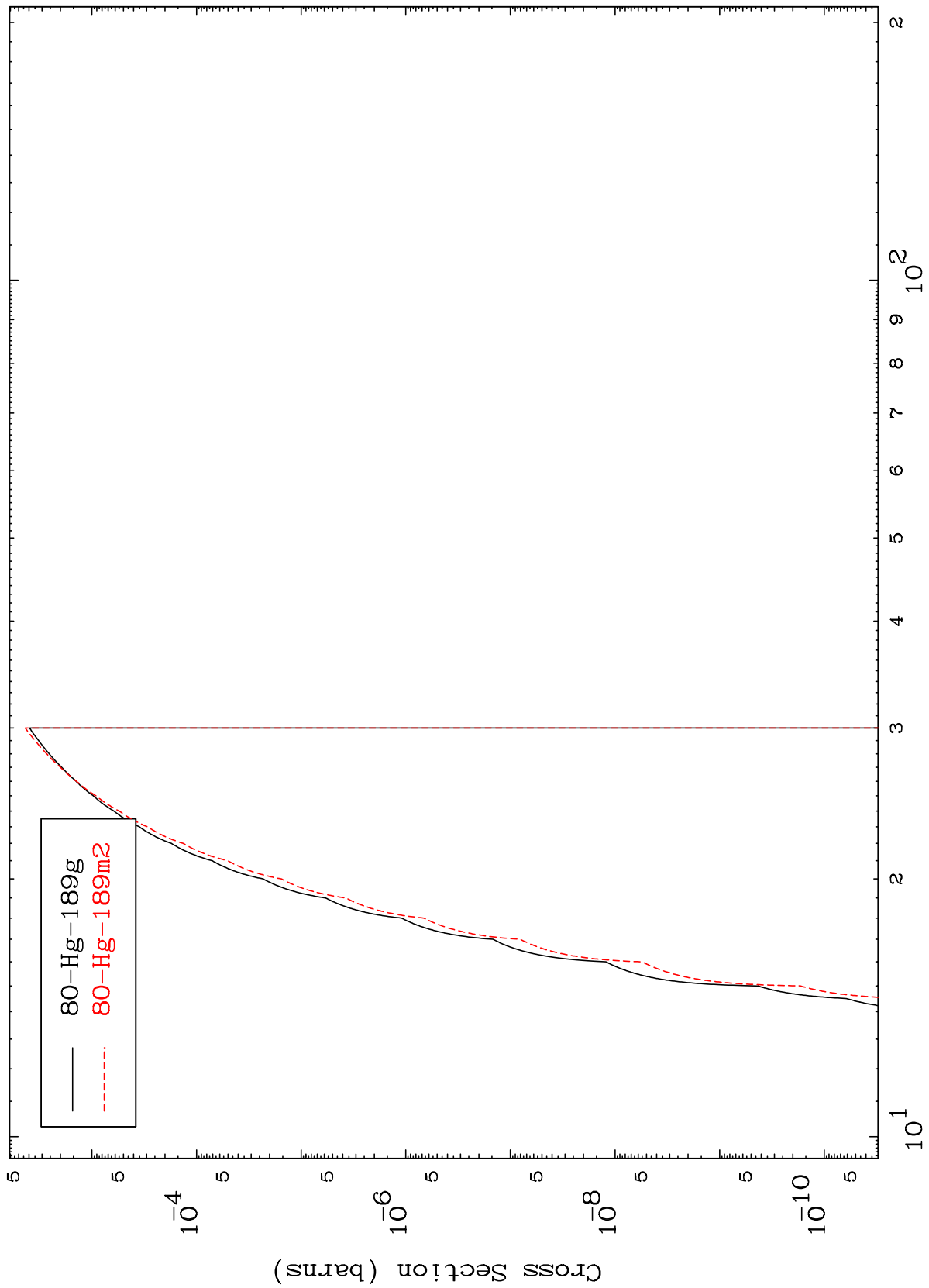


MAT 8089

(n,n') d

81-Tl-191

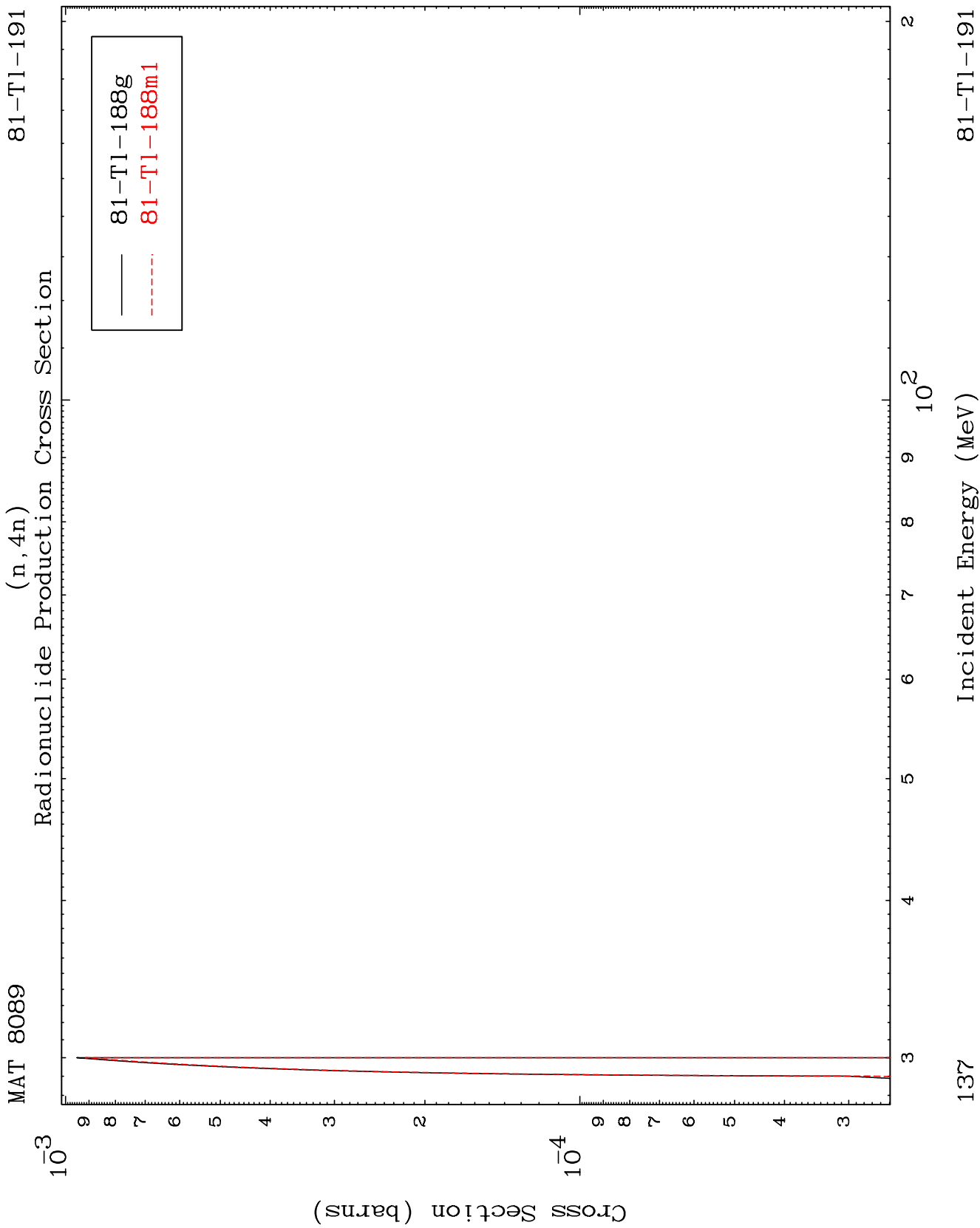
Radionuclide Production Cross Section



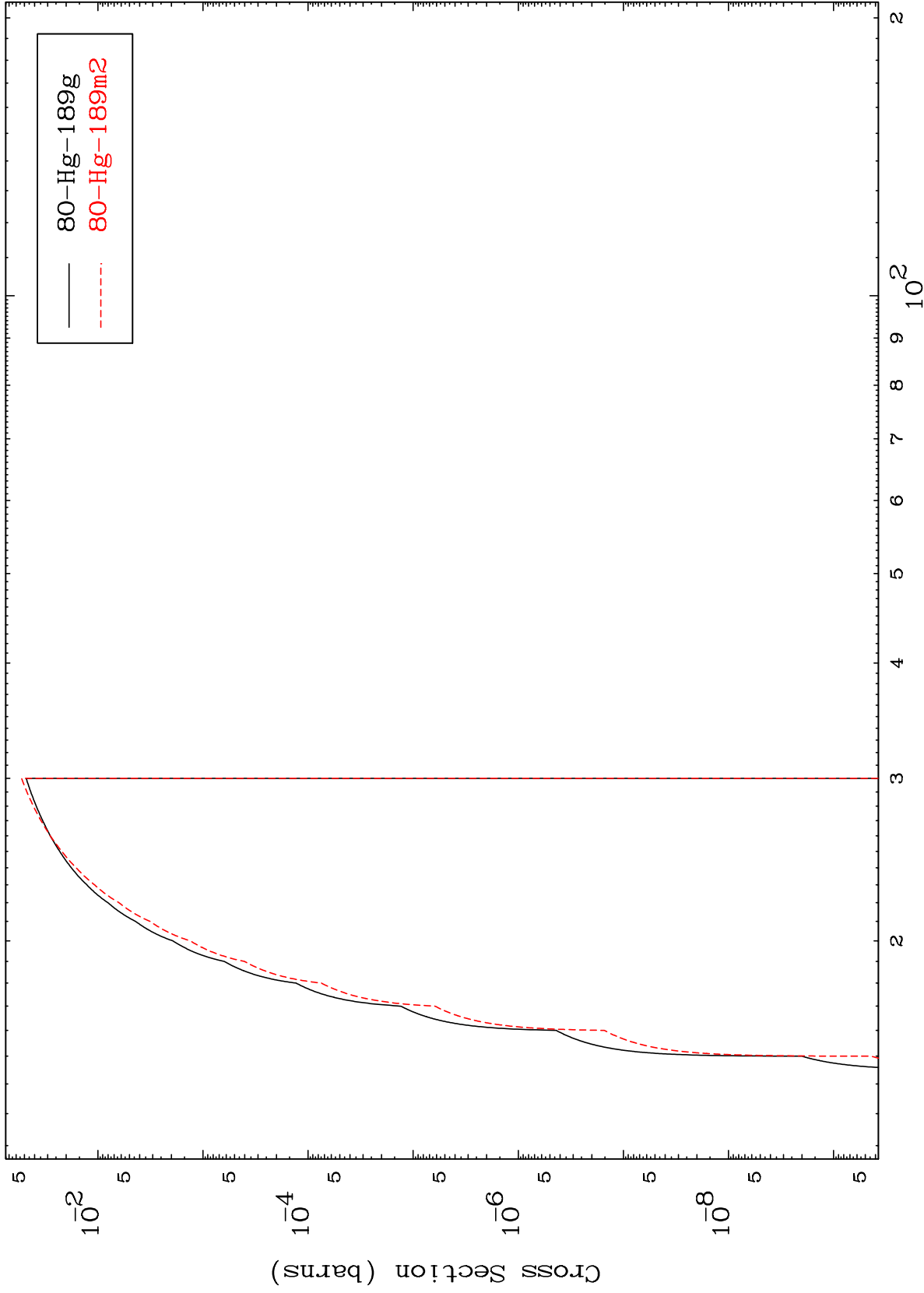
136

Incident Energy (MeV)

81-Tl-191



Radionuclide Production Cross Section

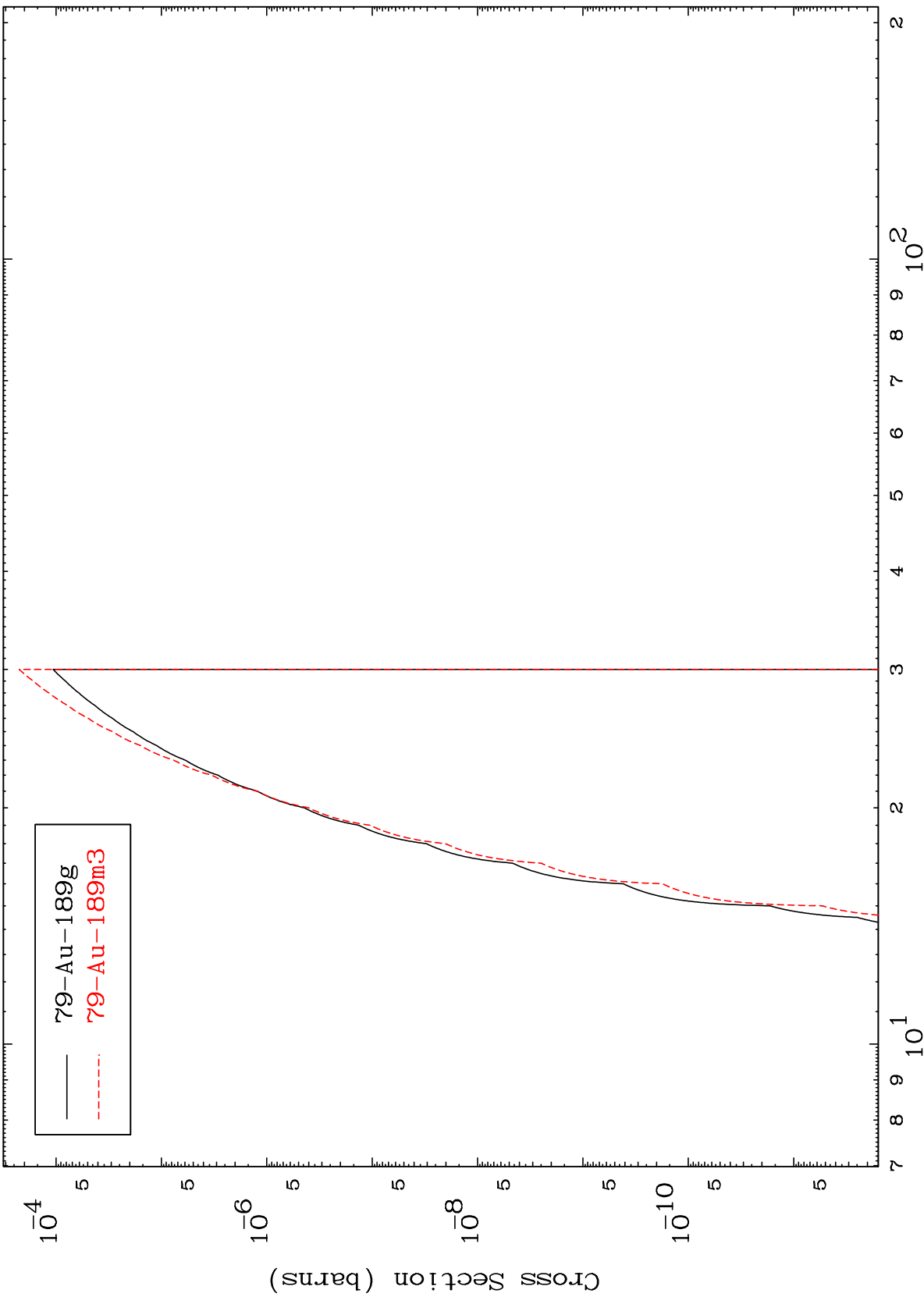


MAT 8089

(n,2n) p

81-Tl-191

Radionuclide Production Cross Section



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

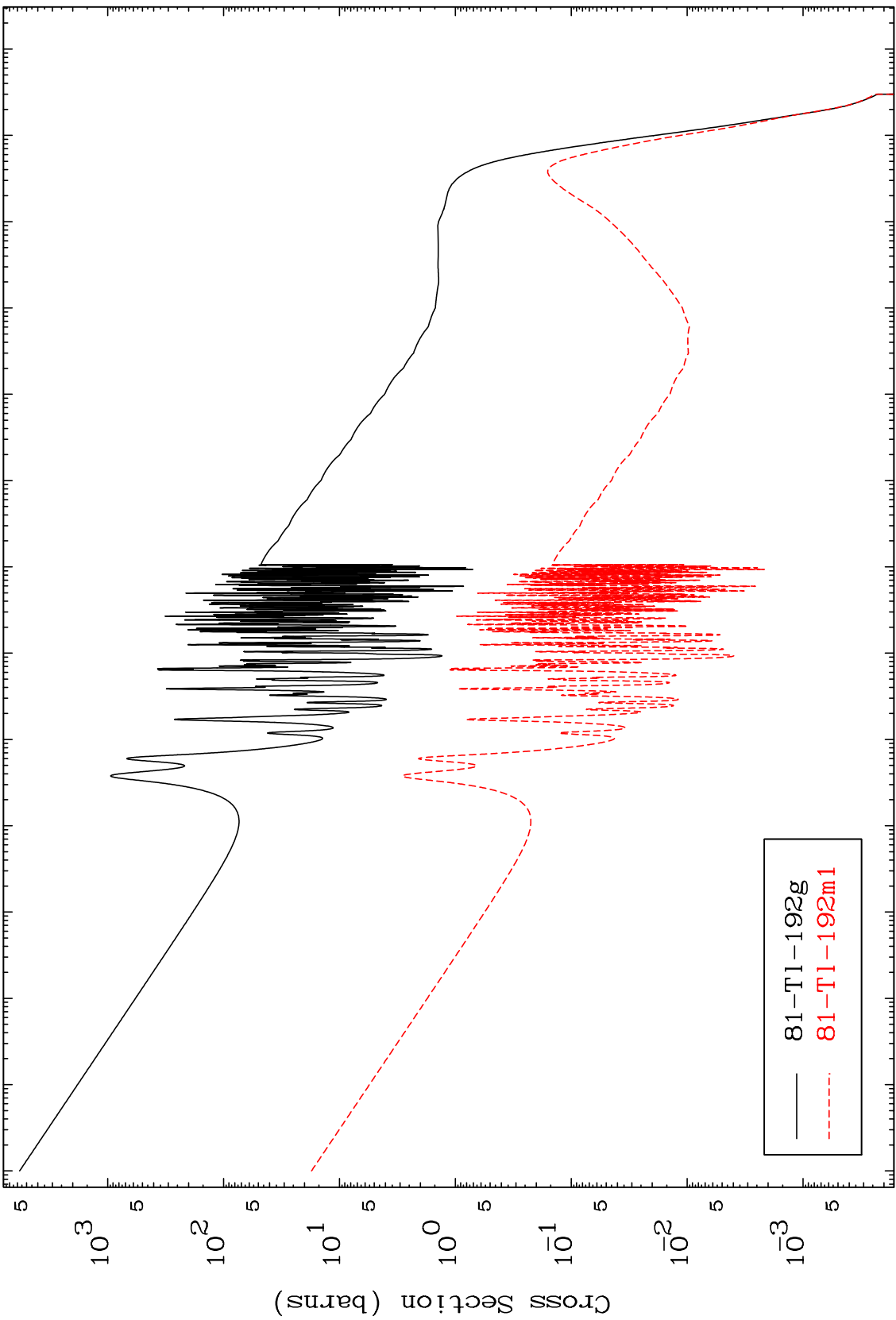
139

Incident Energy (MeV)

81-Tl-191

Radionuclide Production Cross Section

(n,γ)

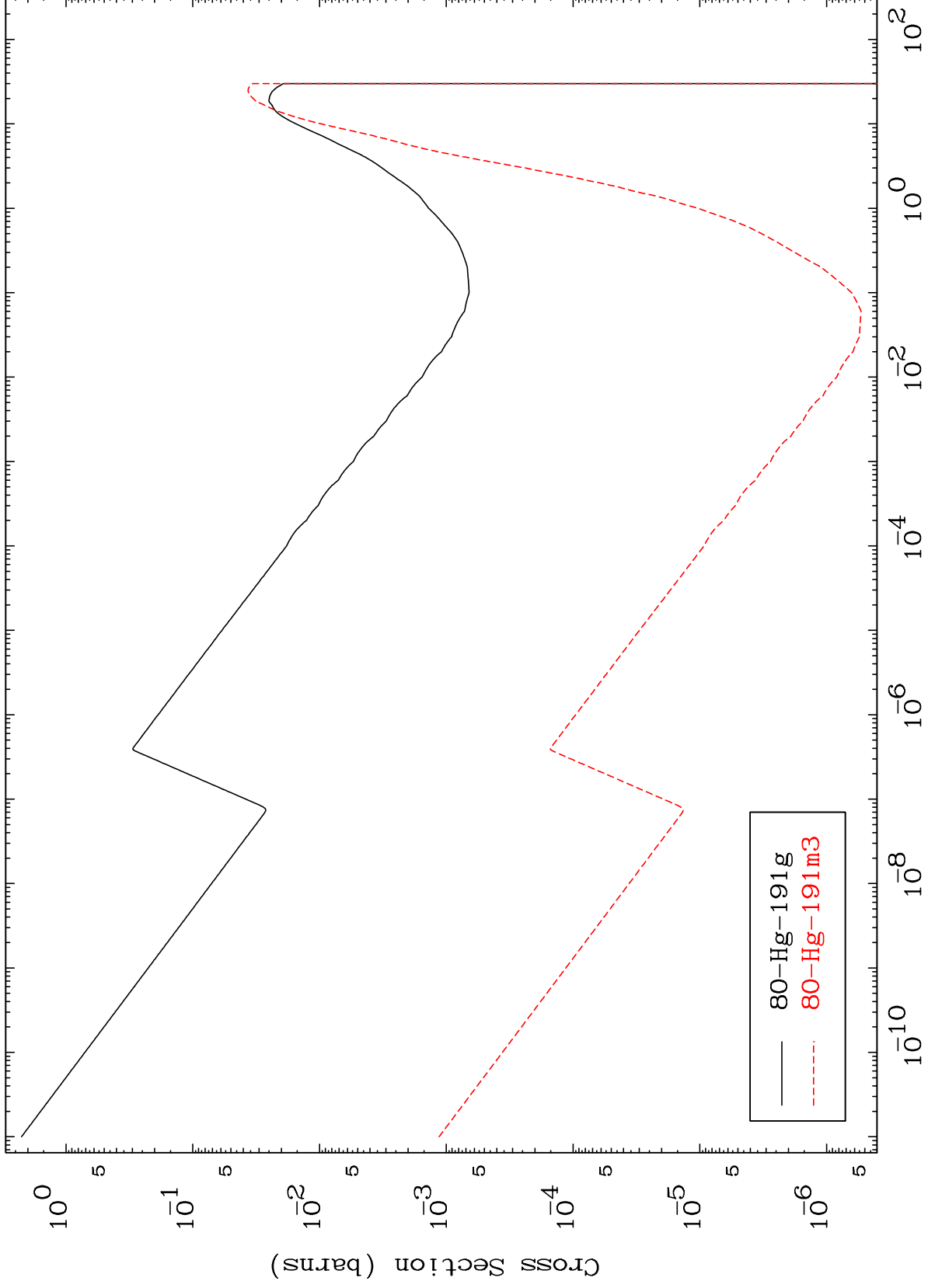


— 81-Tl-192g  
- - - 81-Tl-192m1

MAT 8089

81-Tl-191

(n,p)  
Radionuclide Production Cross Section



141

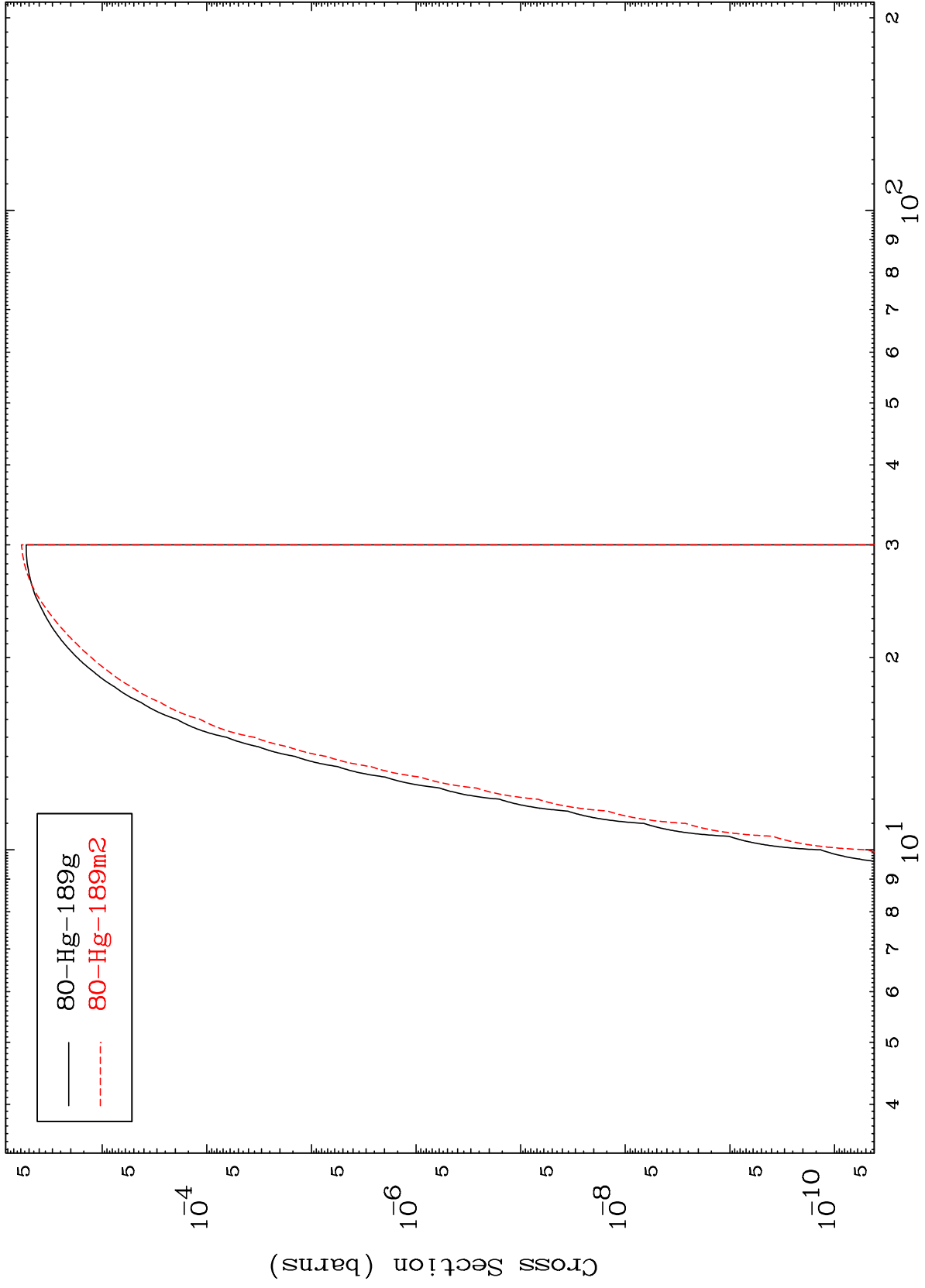
81-Tl-191

Incident Energy (MeV)

MAT 8089

81-Tl-191

(n, t)  
Radionuclide Production Cross Section



142

Incident Energy (MeV)

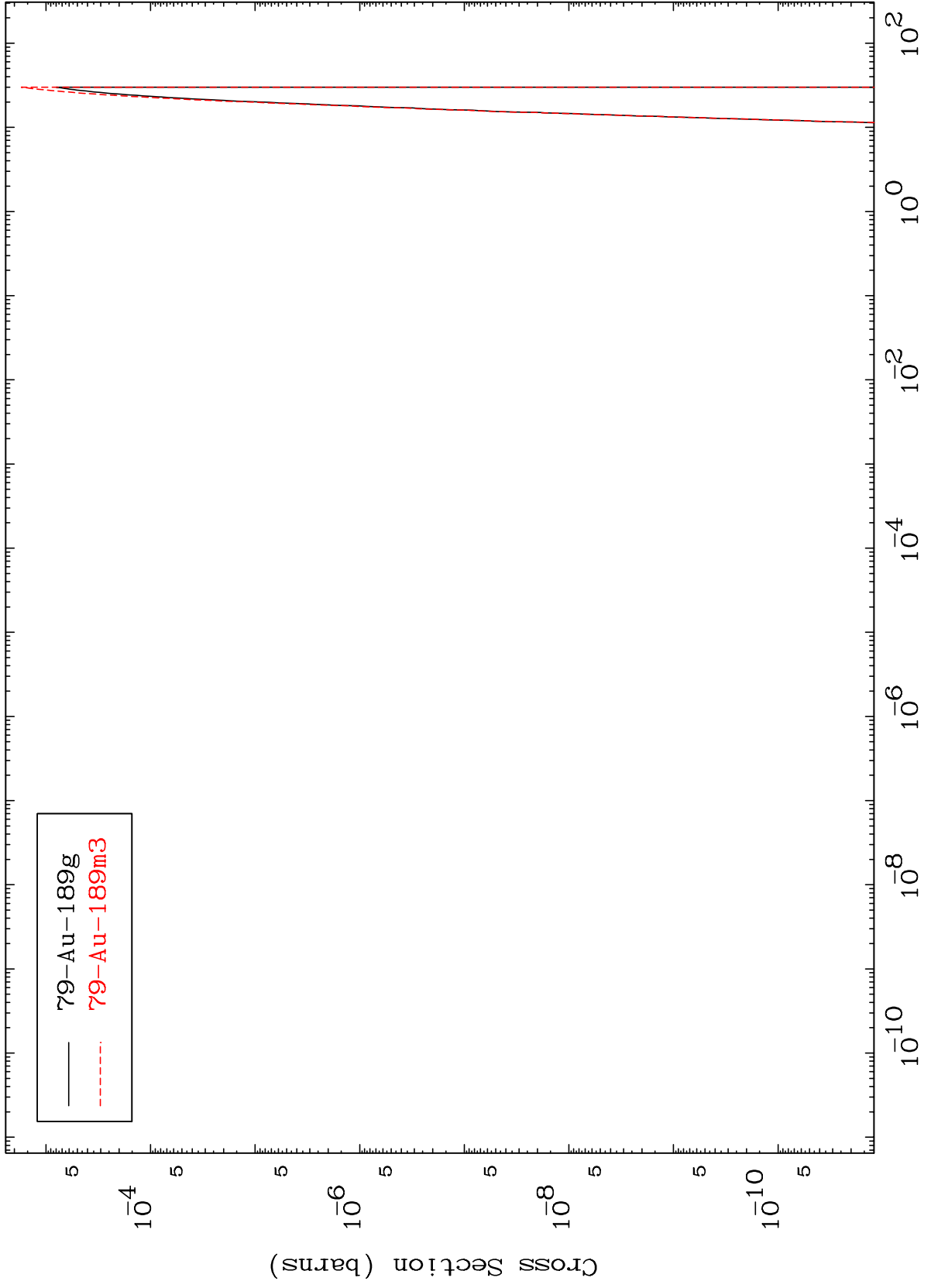
81-Tl-191

MAT 8089

(n,He-3)

81-Tl-191

Radionuclide Production Cross Section



143

Incident Energy (MeV)

81-Tl-191

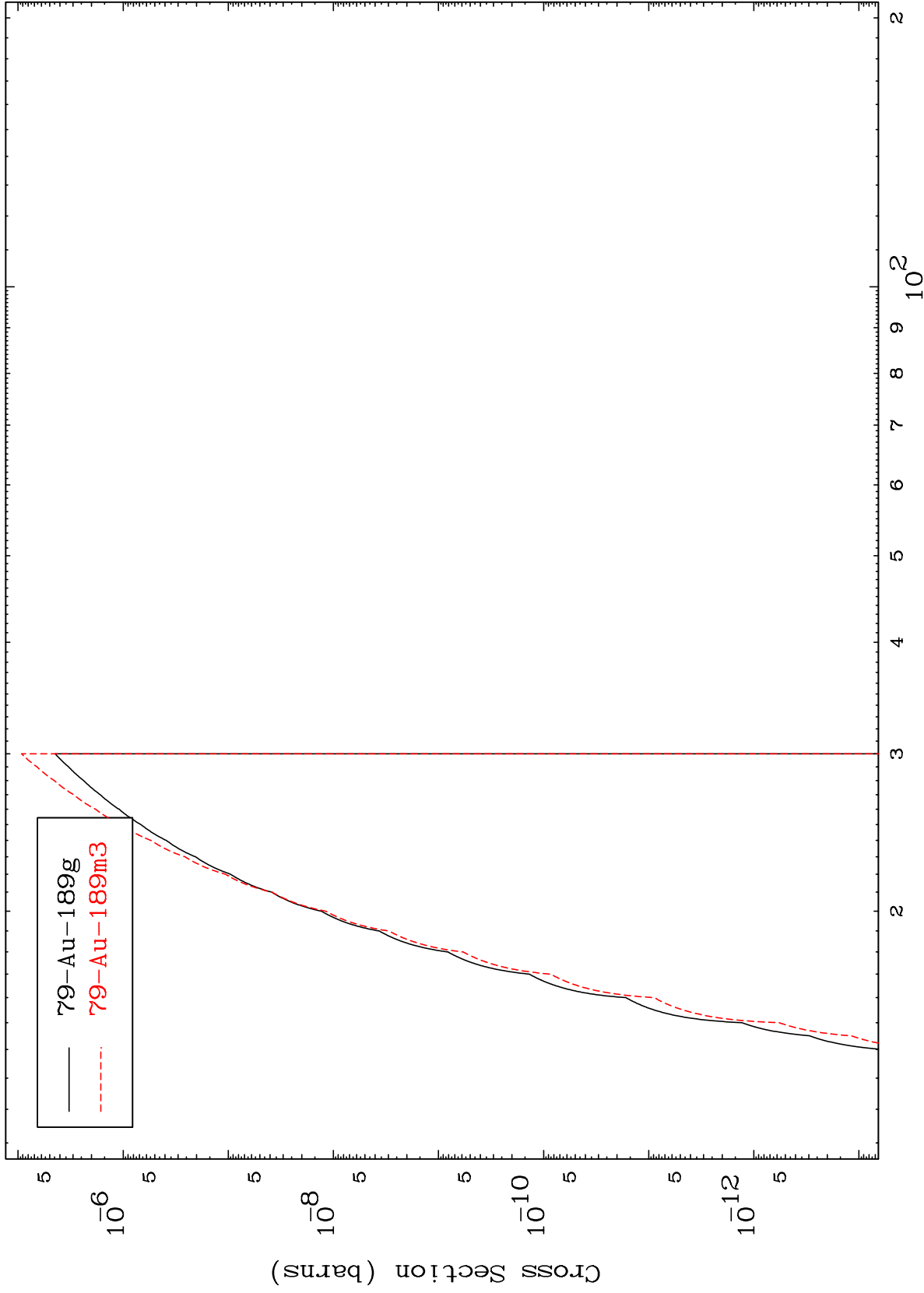


MAT 8089

(n,p) d

81-Tl-191

Radionuclide Production Cross Section



144

Incident Energy (MeV)

81-Tl-191