

Program EVALPLOT  
(Version 2018-1)

by

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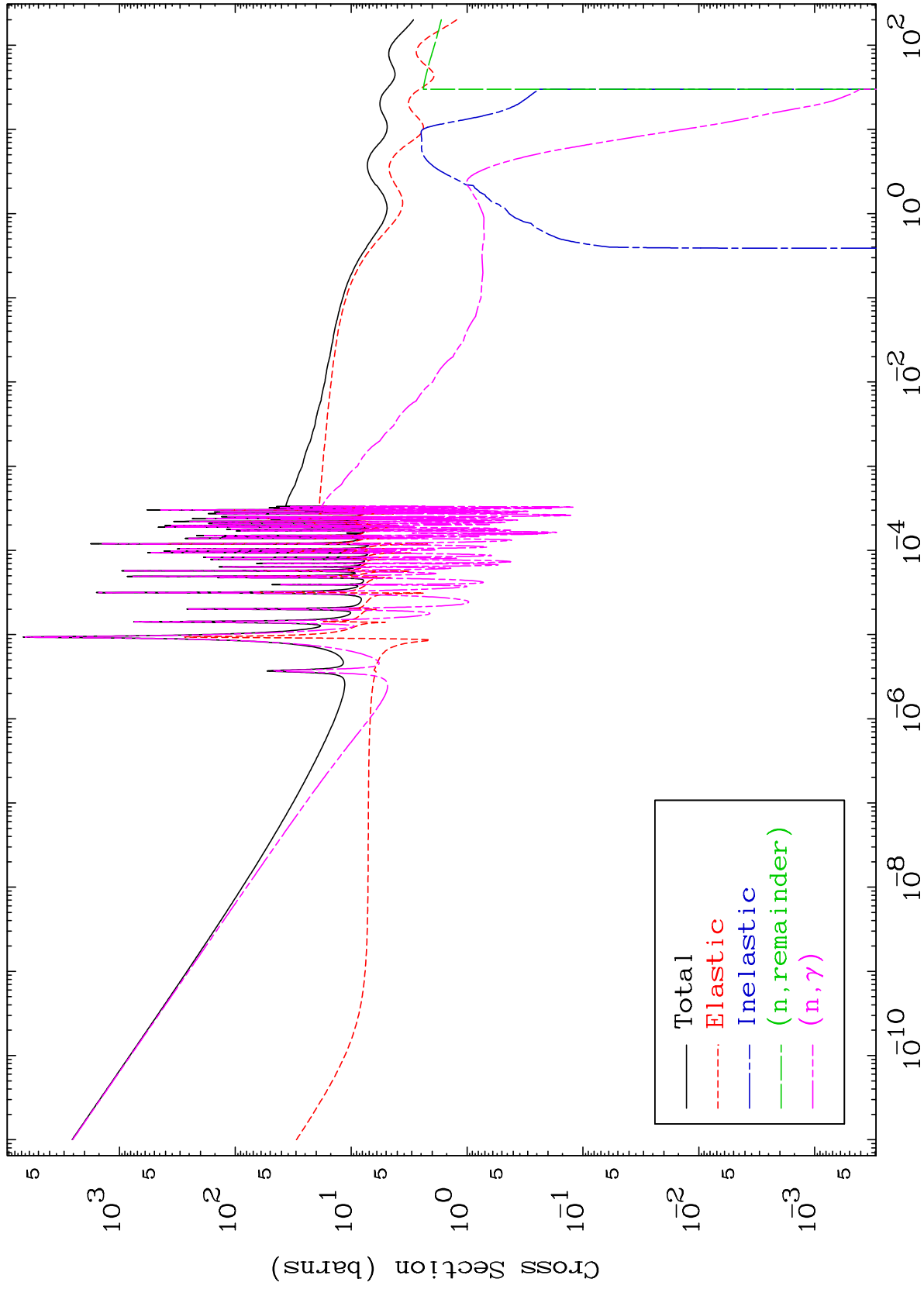
Press Mouse Button to Start

MAT 8107

Major

293 Kelvin Cross Sections

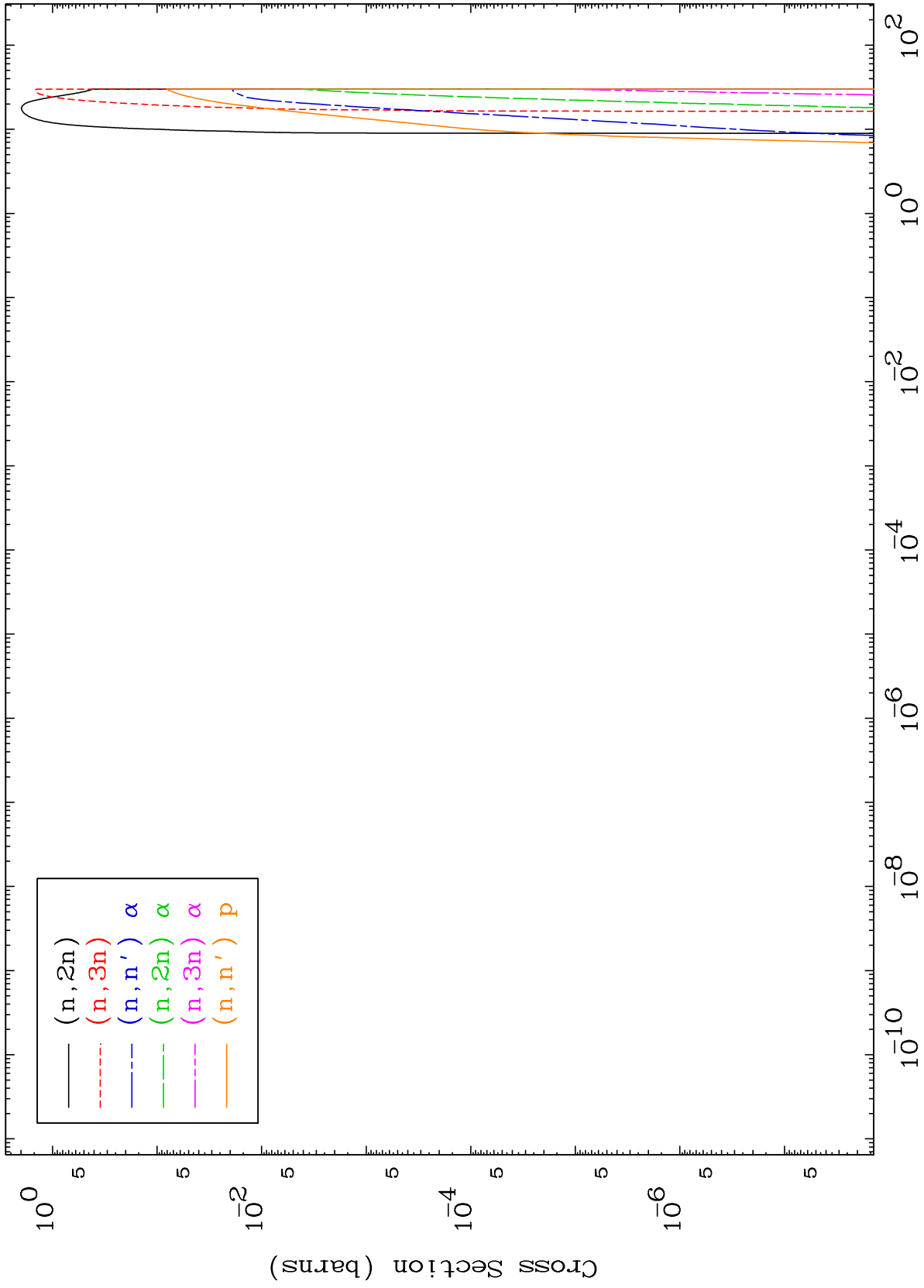
81-Tl-197



MAT 8107

Neutron Production  
293 Kelvin Cross Sections

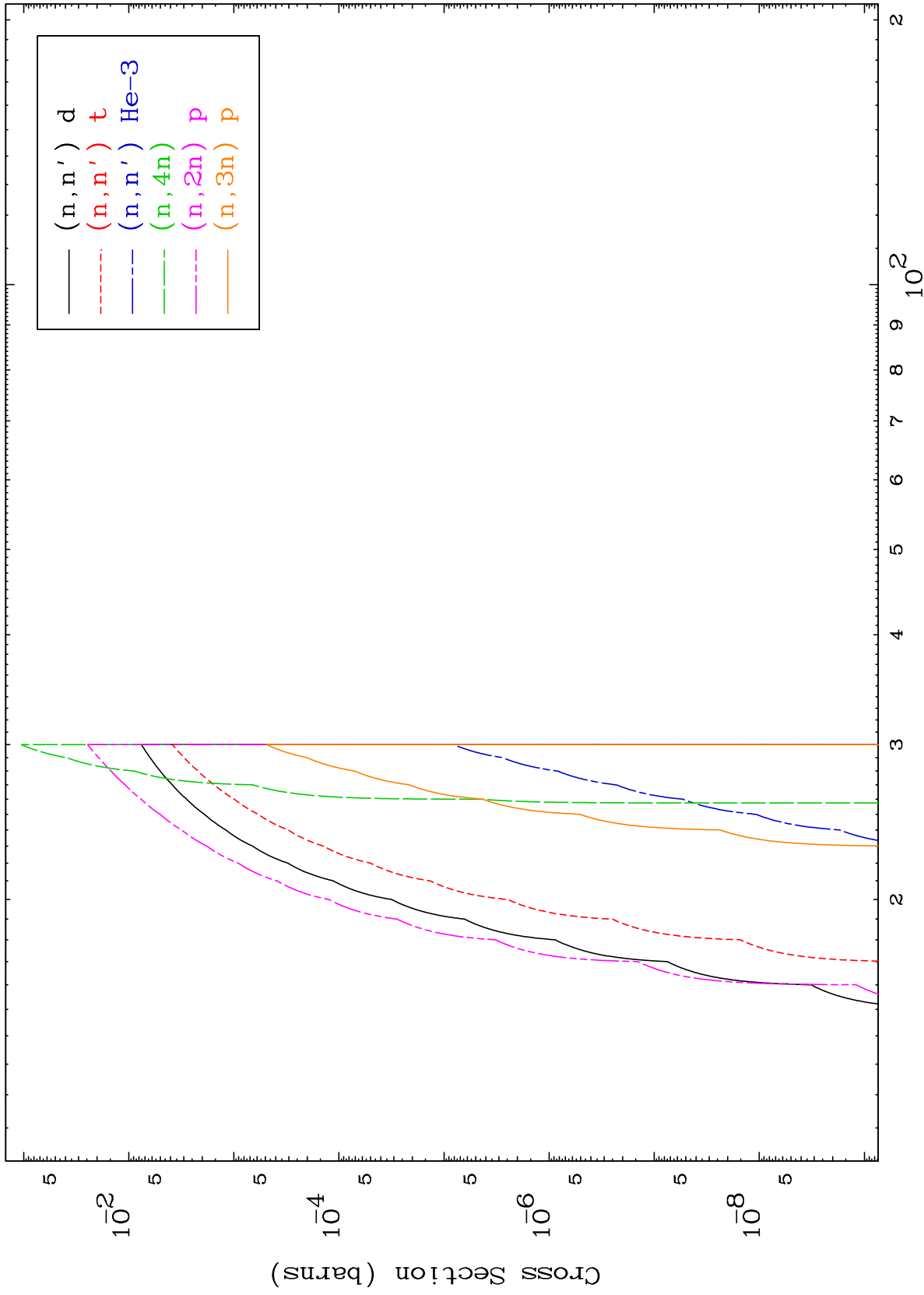
81-T1-197



2

Incident Energy (MeV)

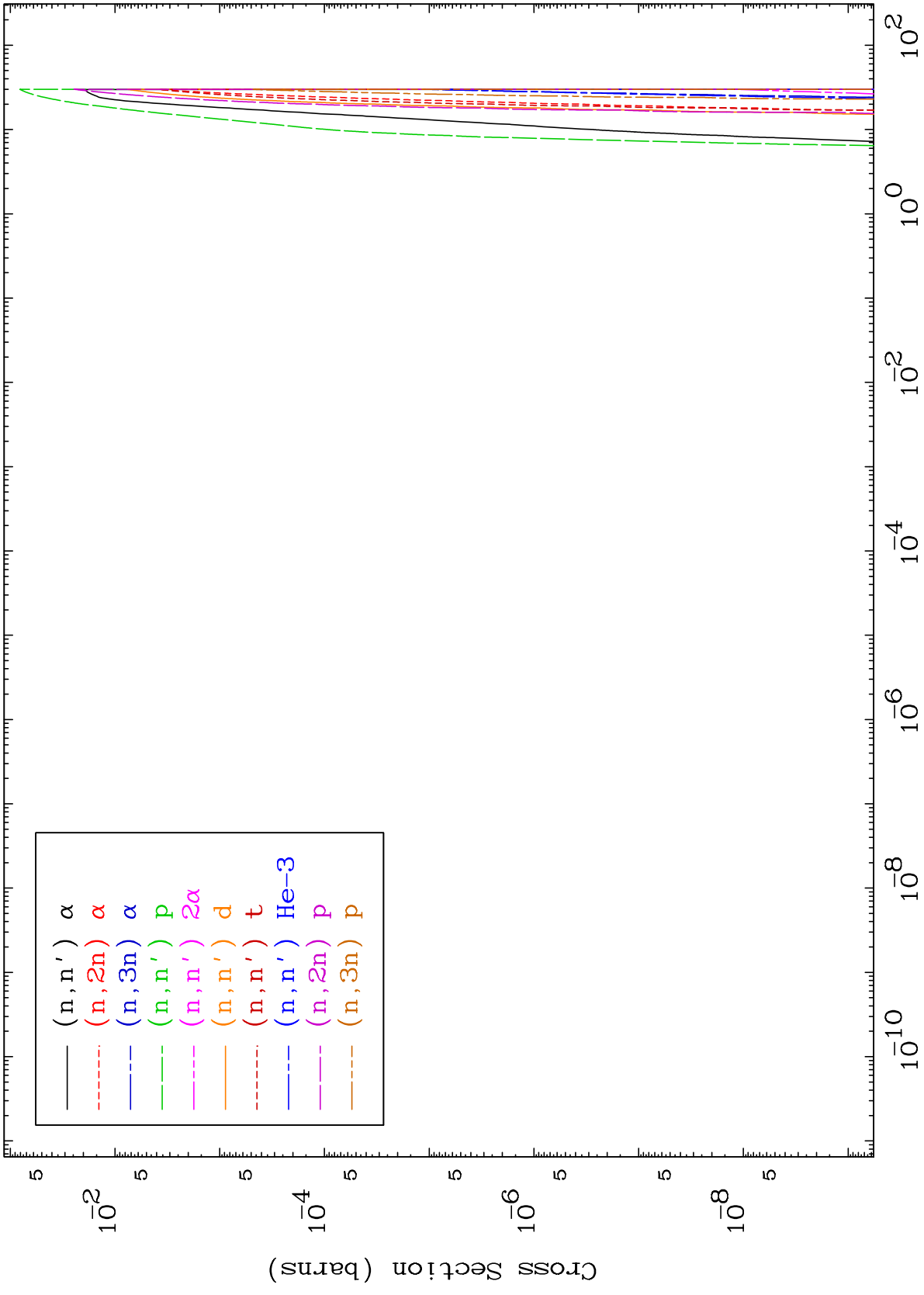
81-T1-197



MAT 8107

293 Kelvin Cross Sections  
Charged Particle

81-Tl-197



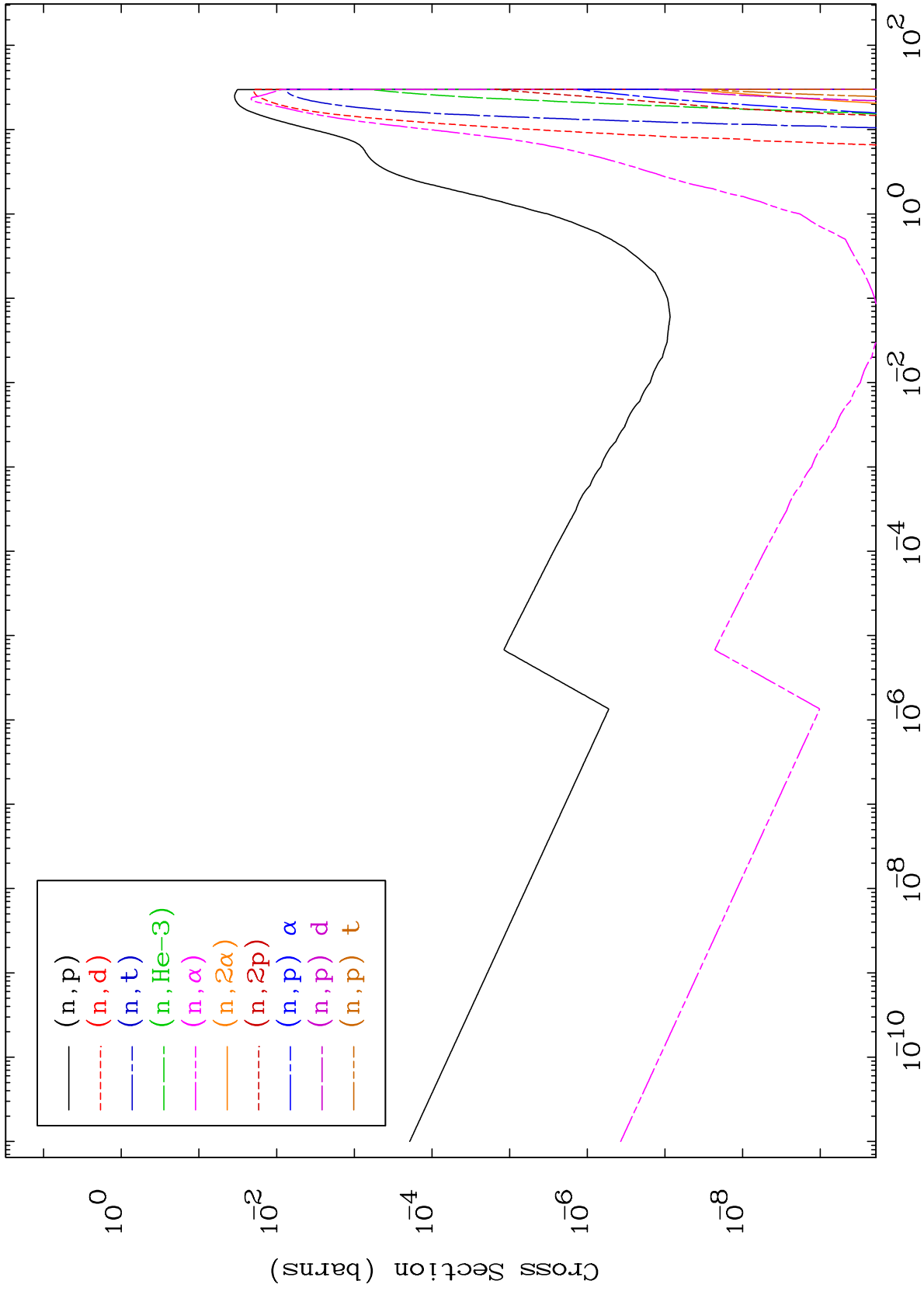
81-Tl-197

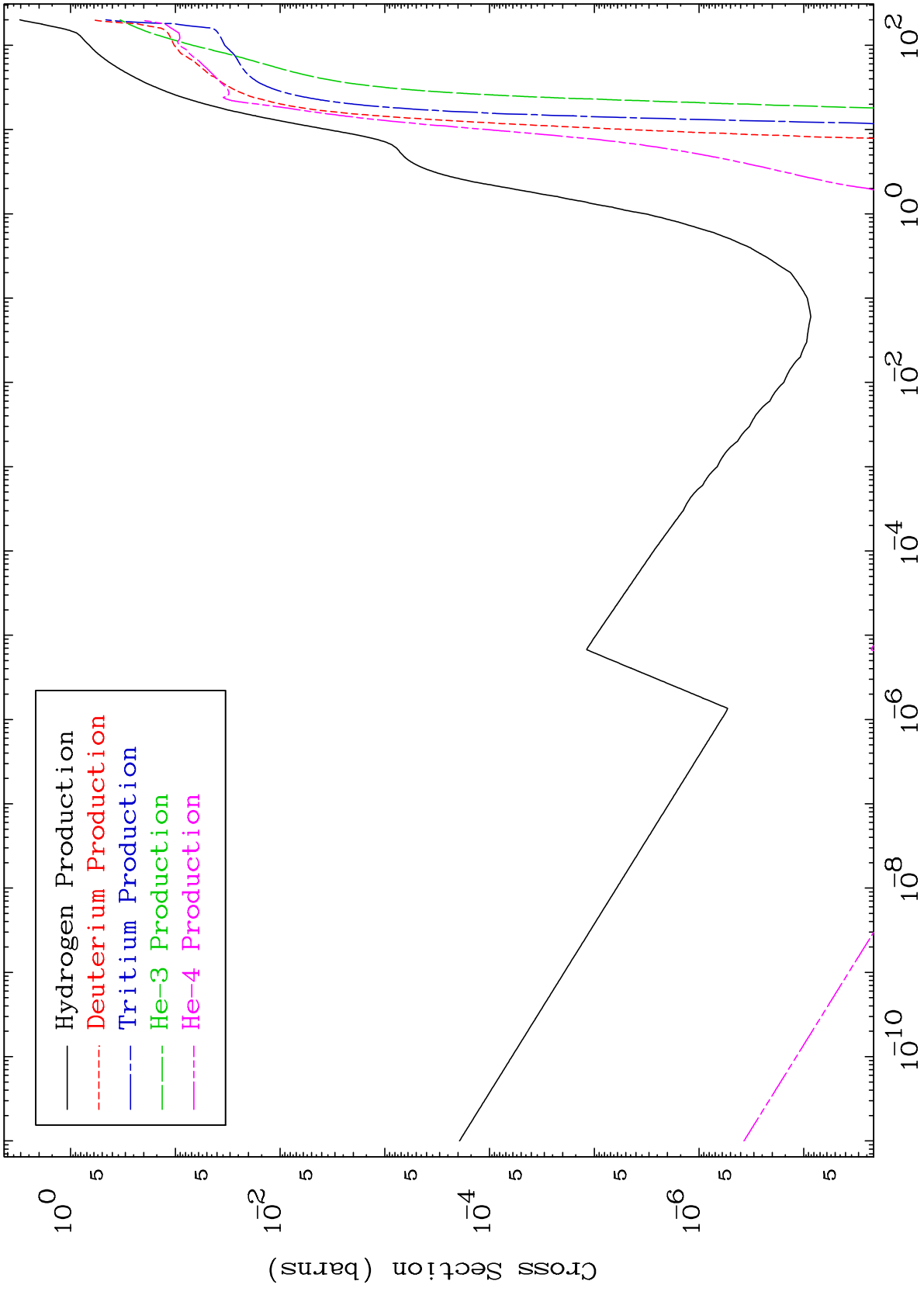
Incident Energy (MeV)

MAT 8107

293 Kelvin Cross Sections

81-Tl-197



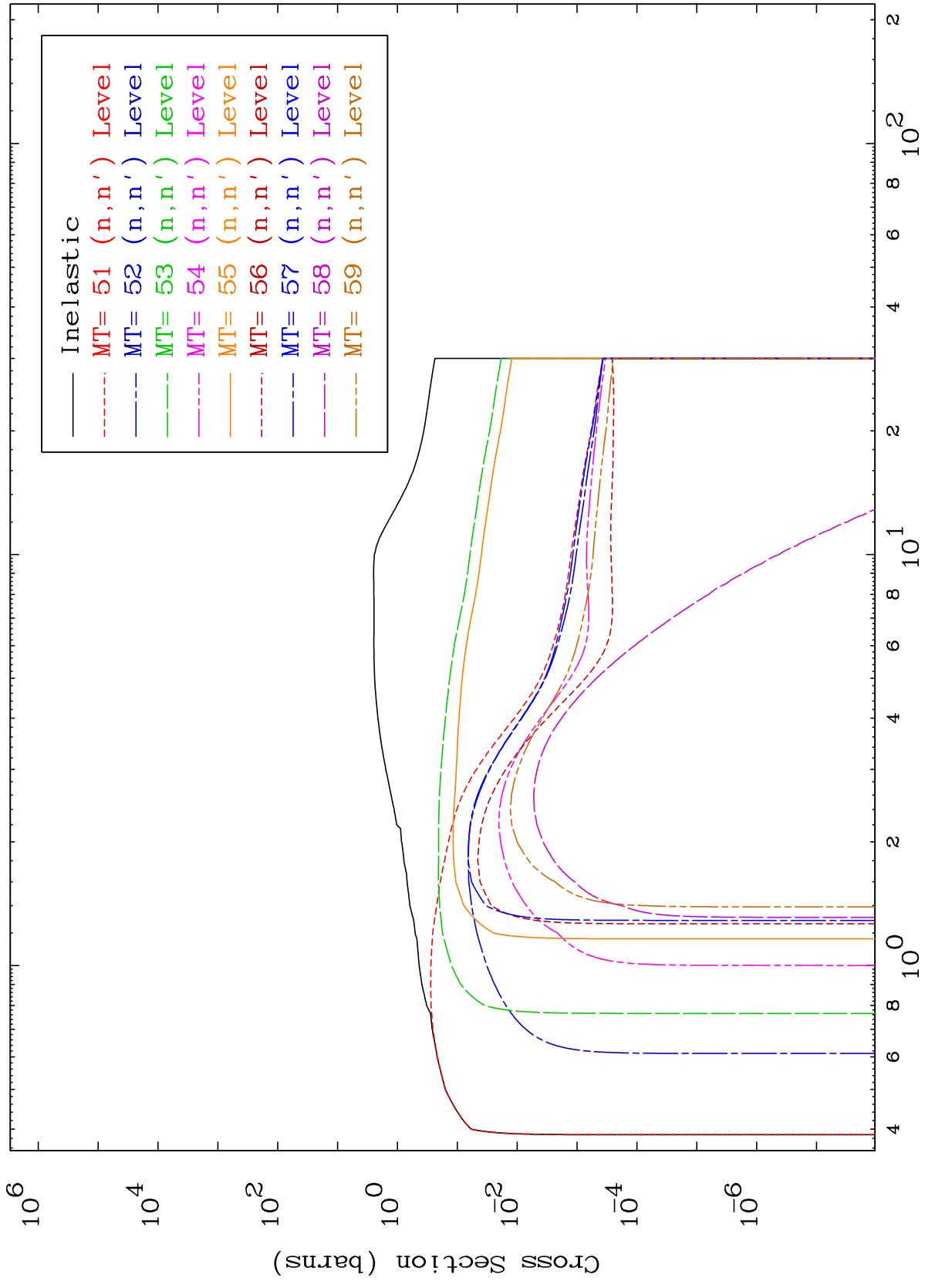


MAT 8107

(n,n') Level

81-Tl-197

293 Kelvin Cross Sections



7

Incident Energy (MeV)

81-Tl-197

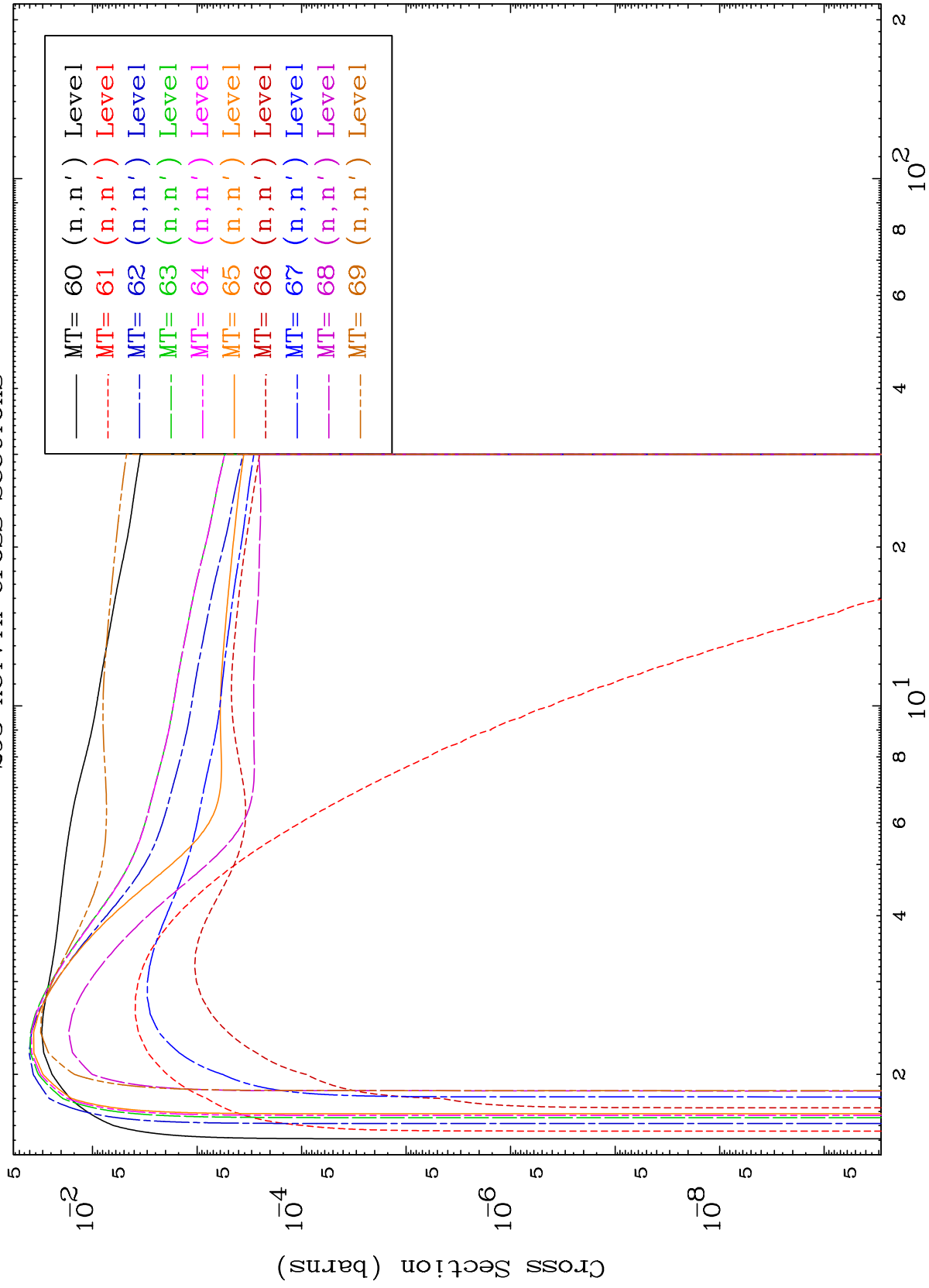


MAT 8107

(n,n') Level

293 Kelvin Cross Sections

81-T1-197



8

Incident Energy (MeV)

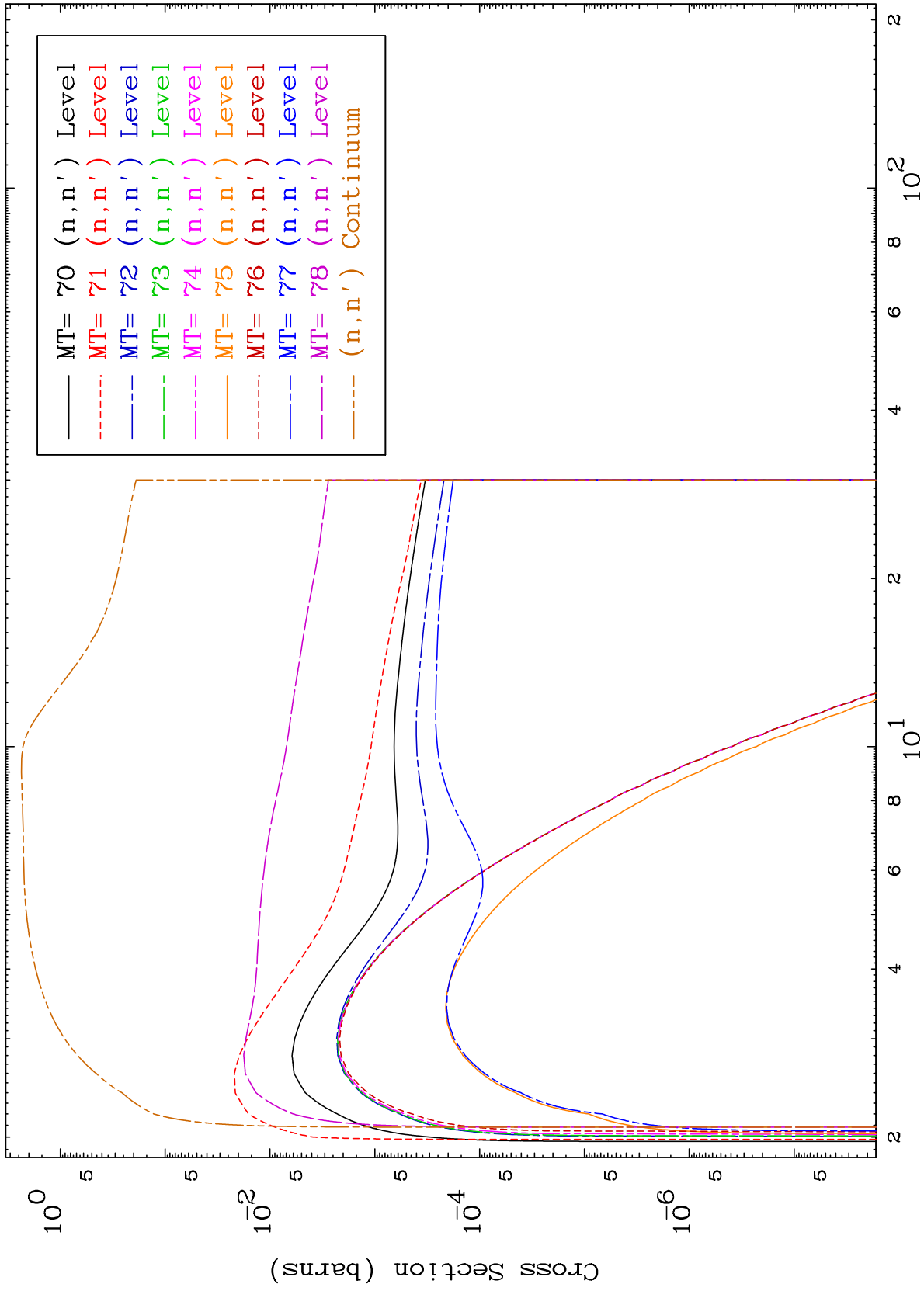
81-T1-197

MAT 8107

(n,n') Level

81-Tl-197

293 Kelvin Cross Sections



9

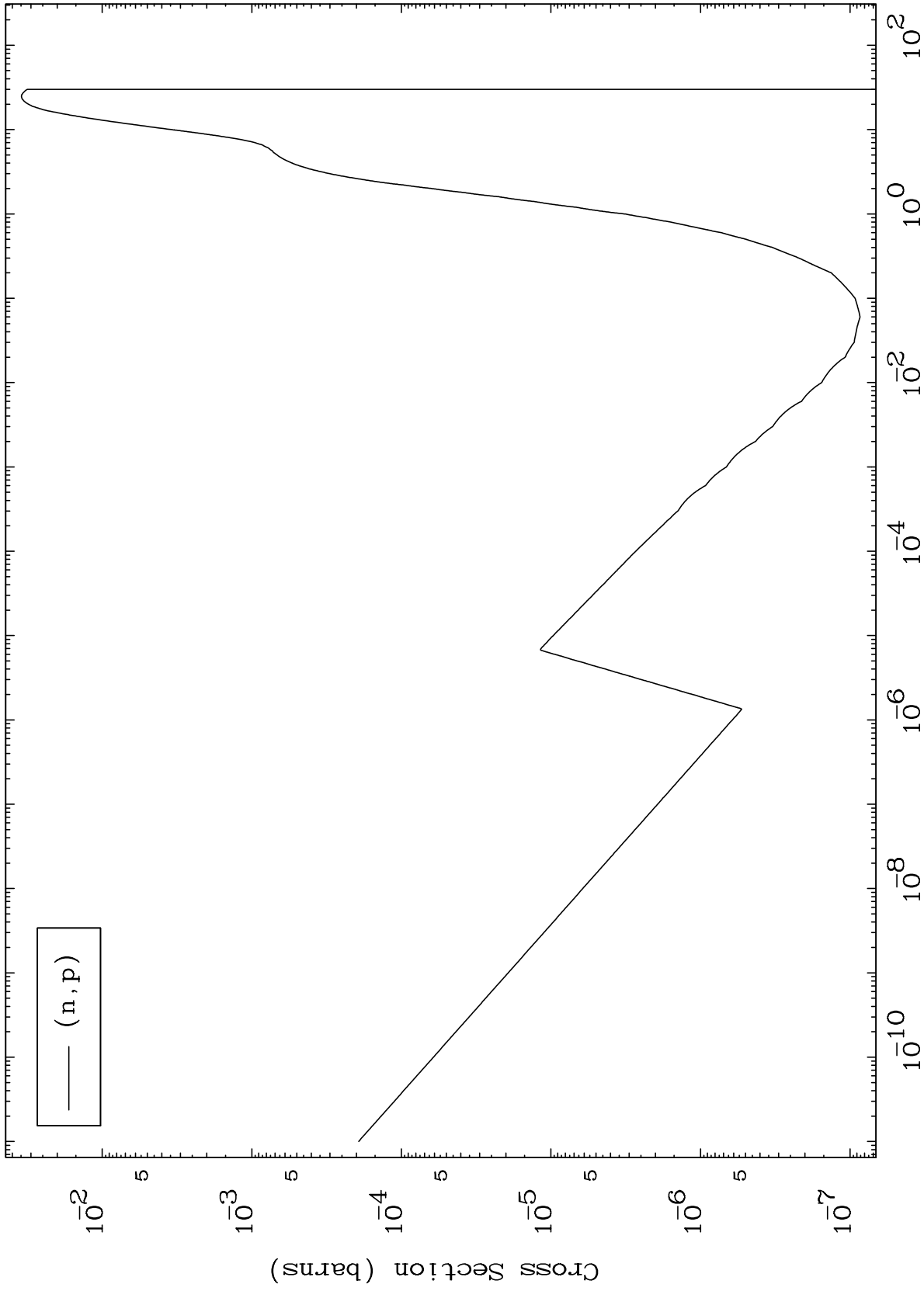
Incident Energy (MeV)

81-Tl-197

MAT 8107

(n,p) Levels  
293 Kelvin Cross Sections

81-T1-197



10

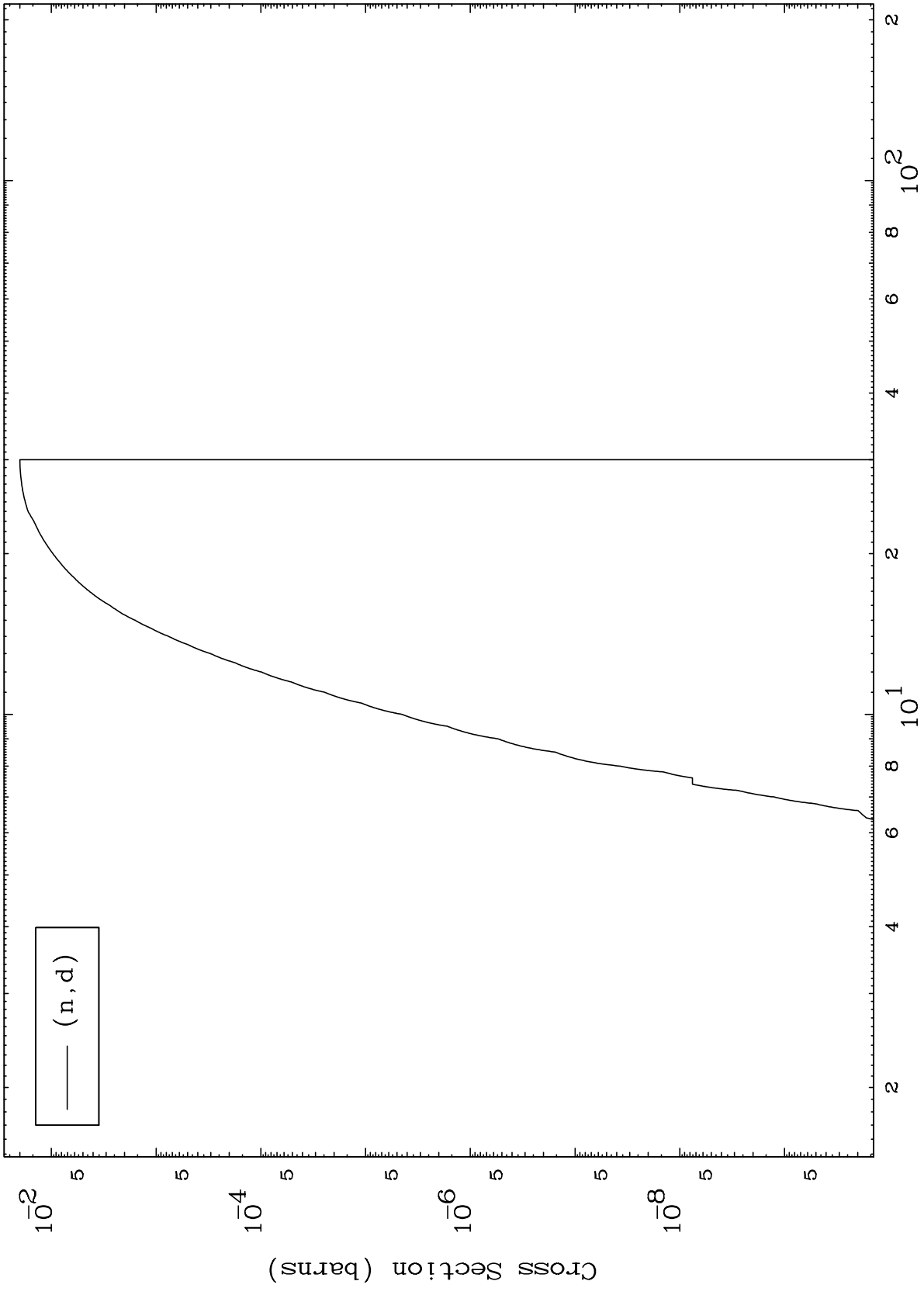
Incident Energy (MeV)

81-T1-197

MAT 8107

(n,d) Levels  
293 Kelvin Cross Sections

81-T1-197



11

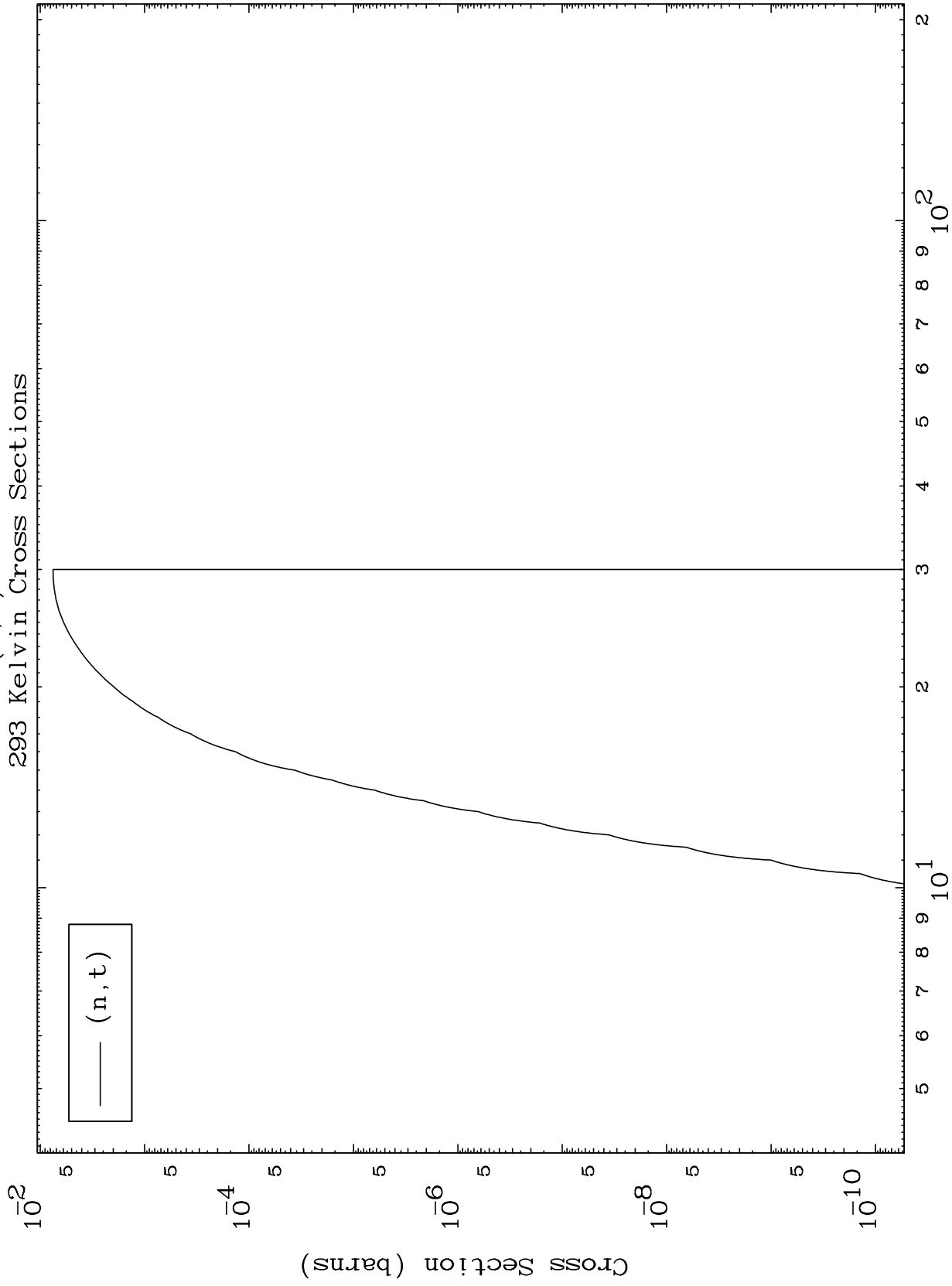
Incident Energy (MeV)

81-T1-197

MAT 8107

(n,t) Levels  
293 Kelvin Cross Sections

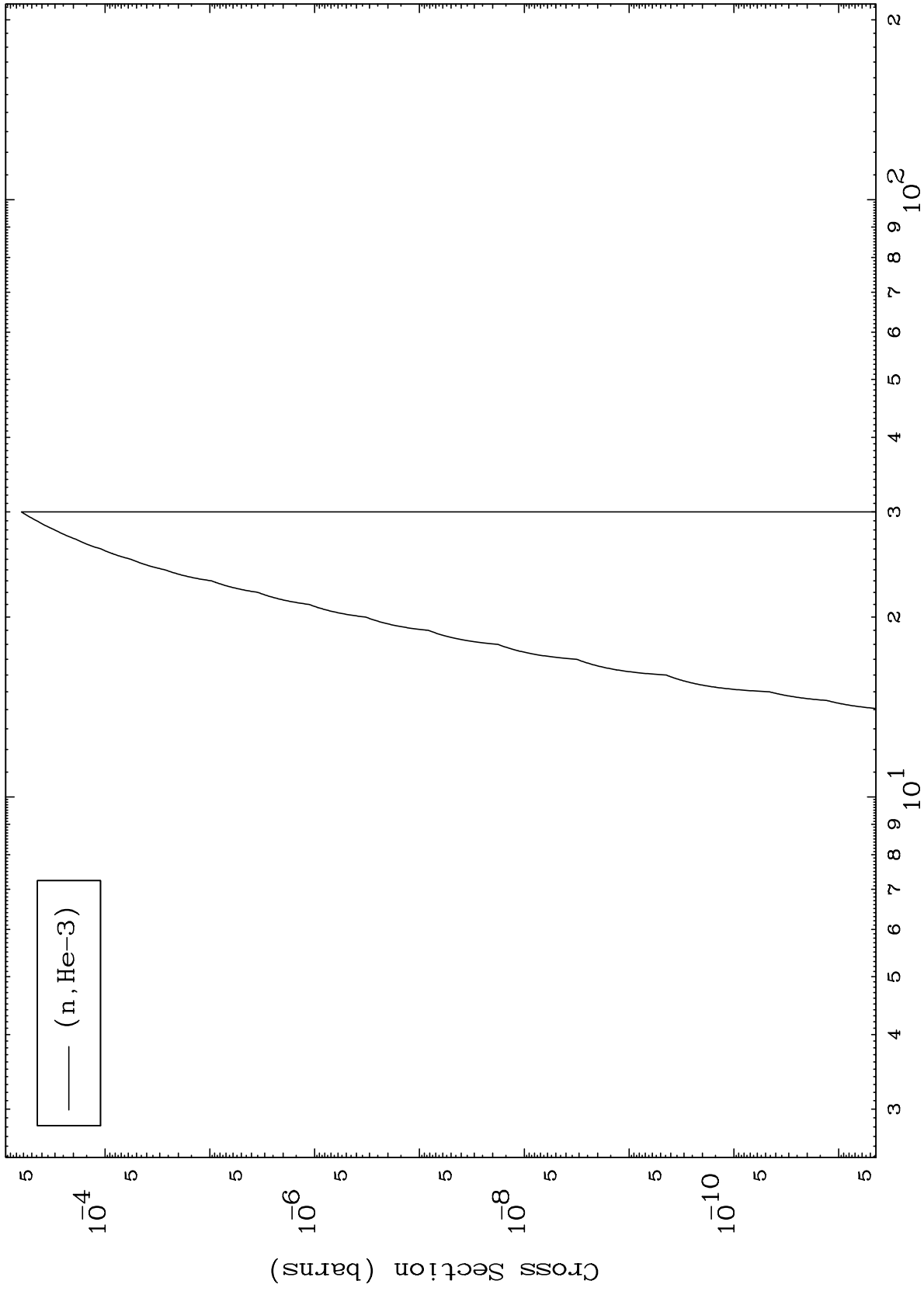
81-T1-197



12

Incident Energy (MeV)

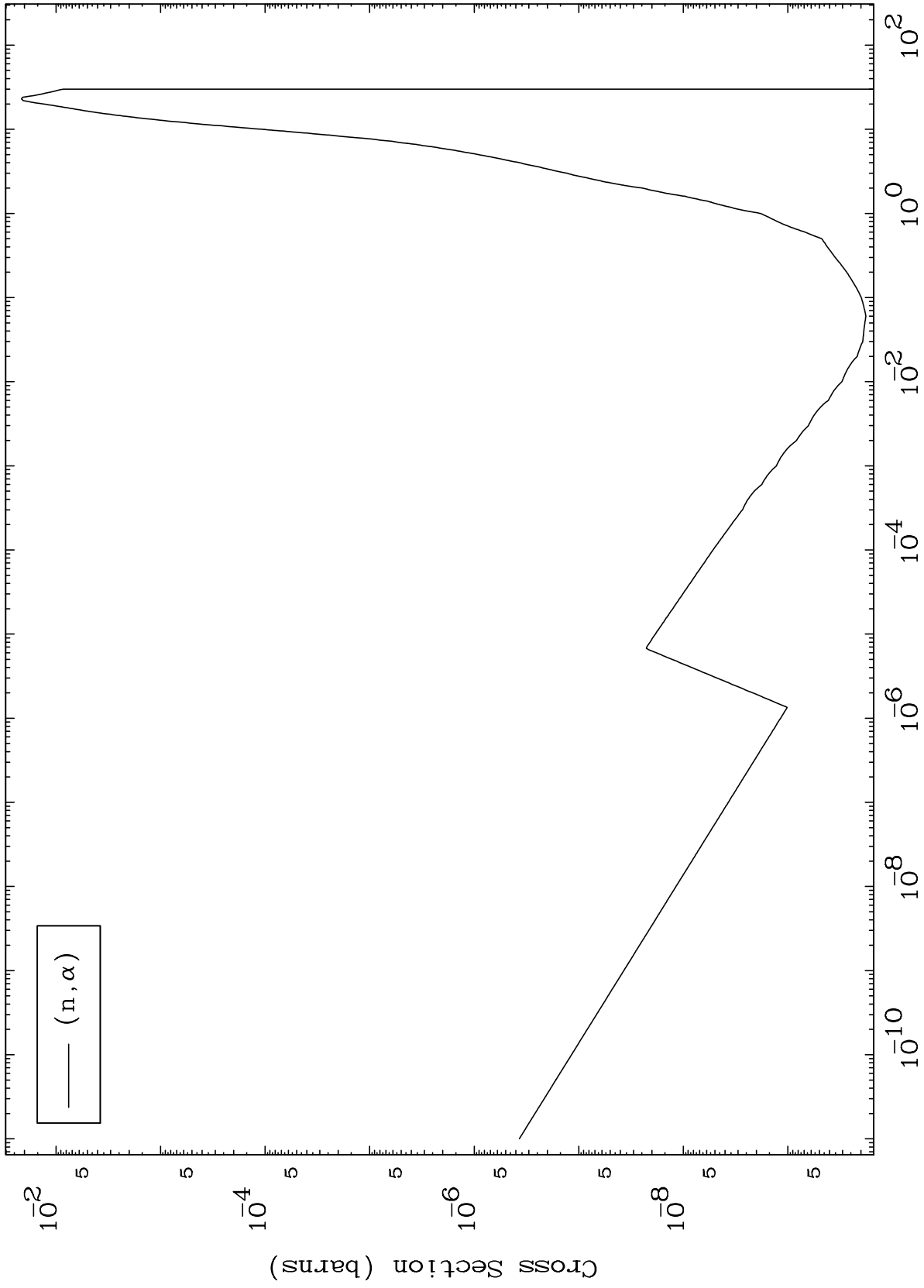
81-T1-197

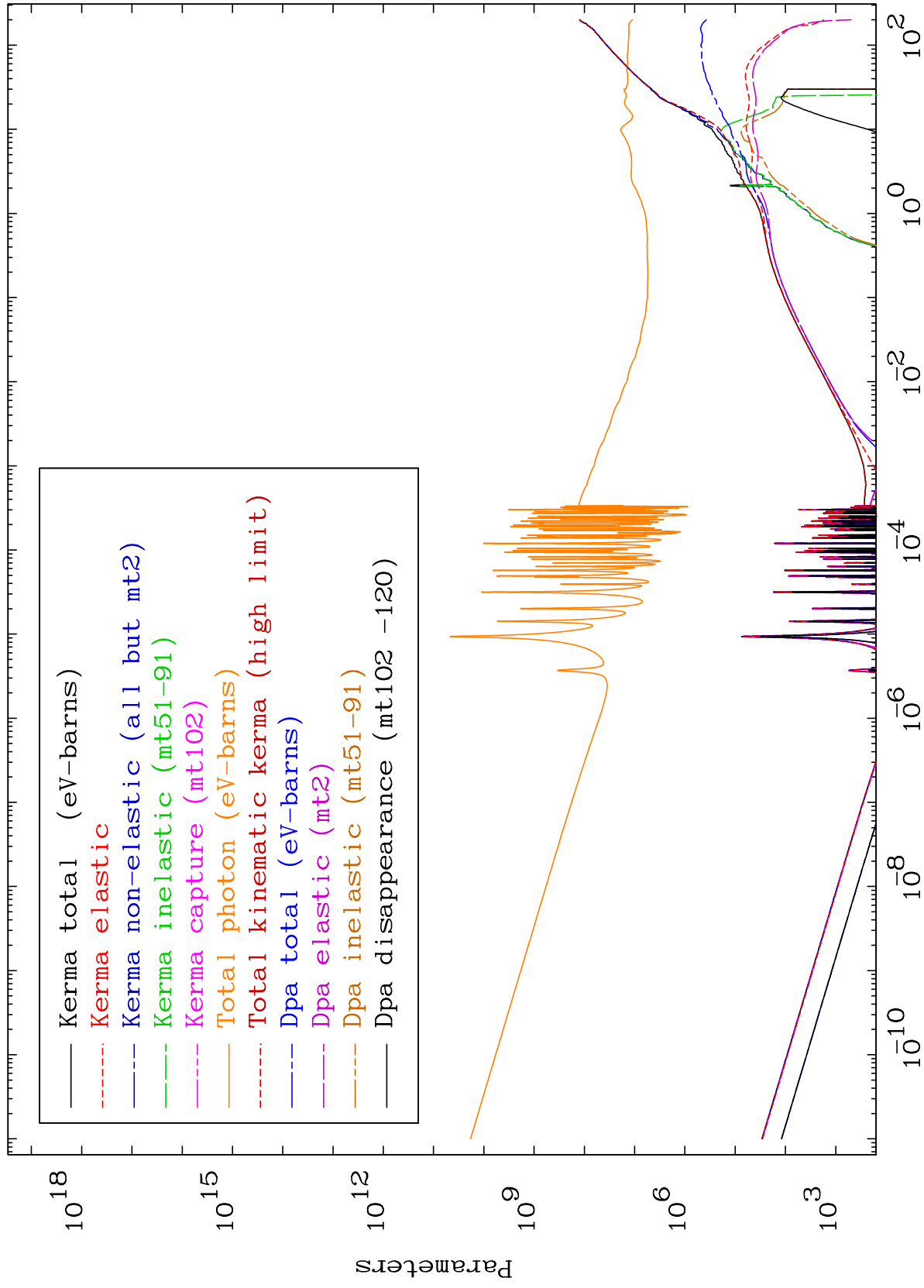


MAT 8107

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

81-Tl-197



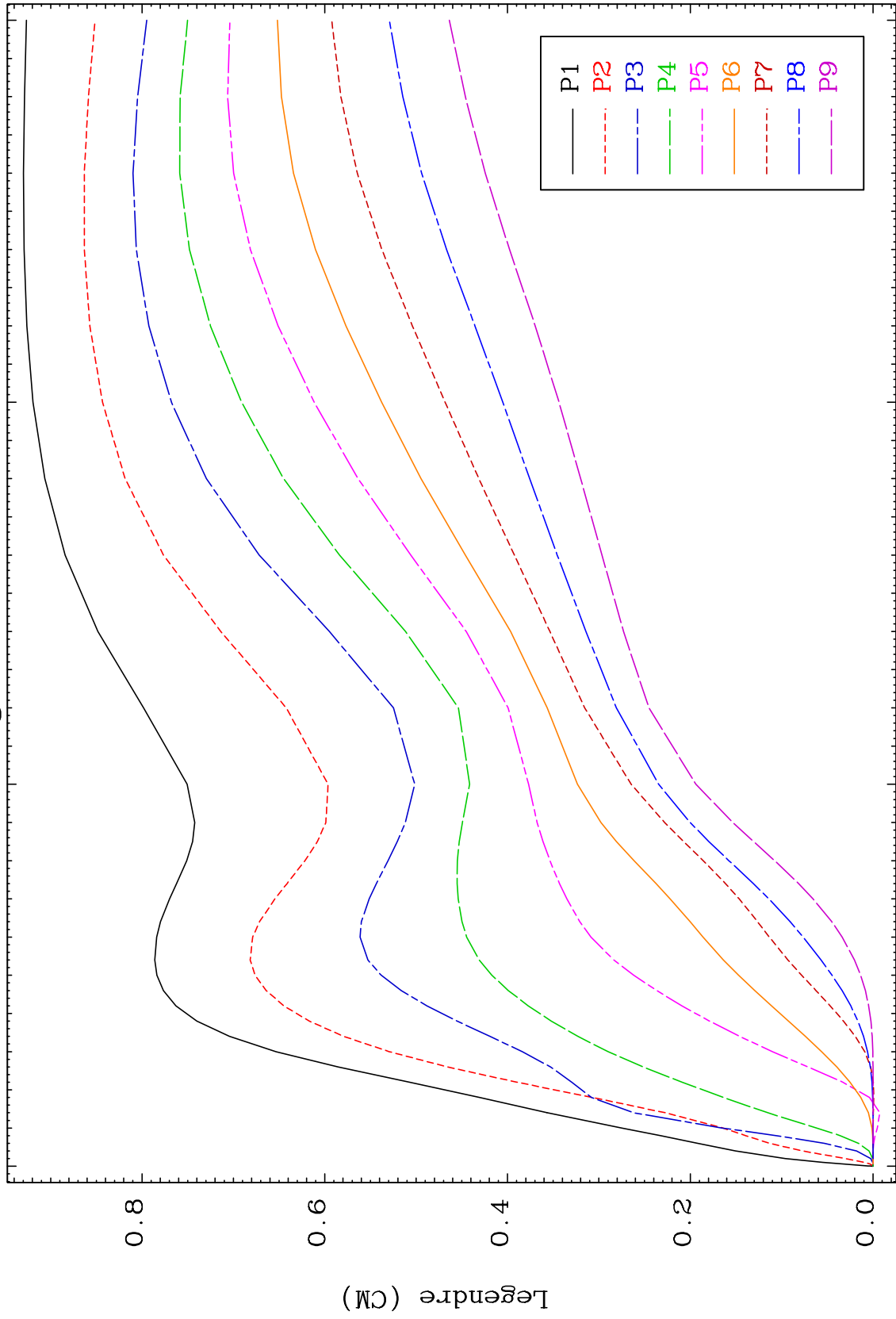




MAT 8107

Elastic Legendre Coefficients

81-T1-197



0

16

Incident Energy (MeV)

10

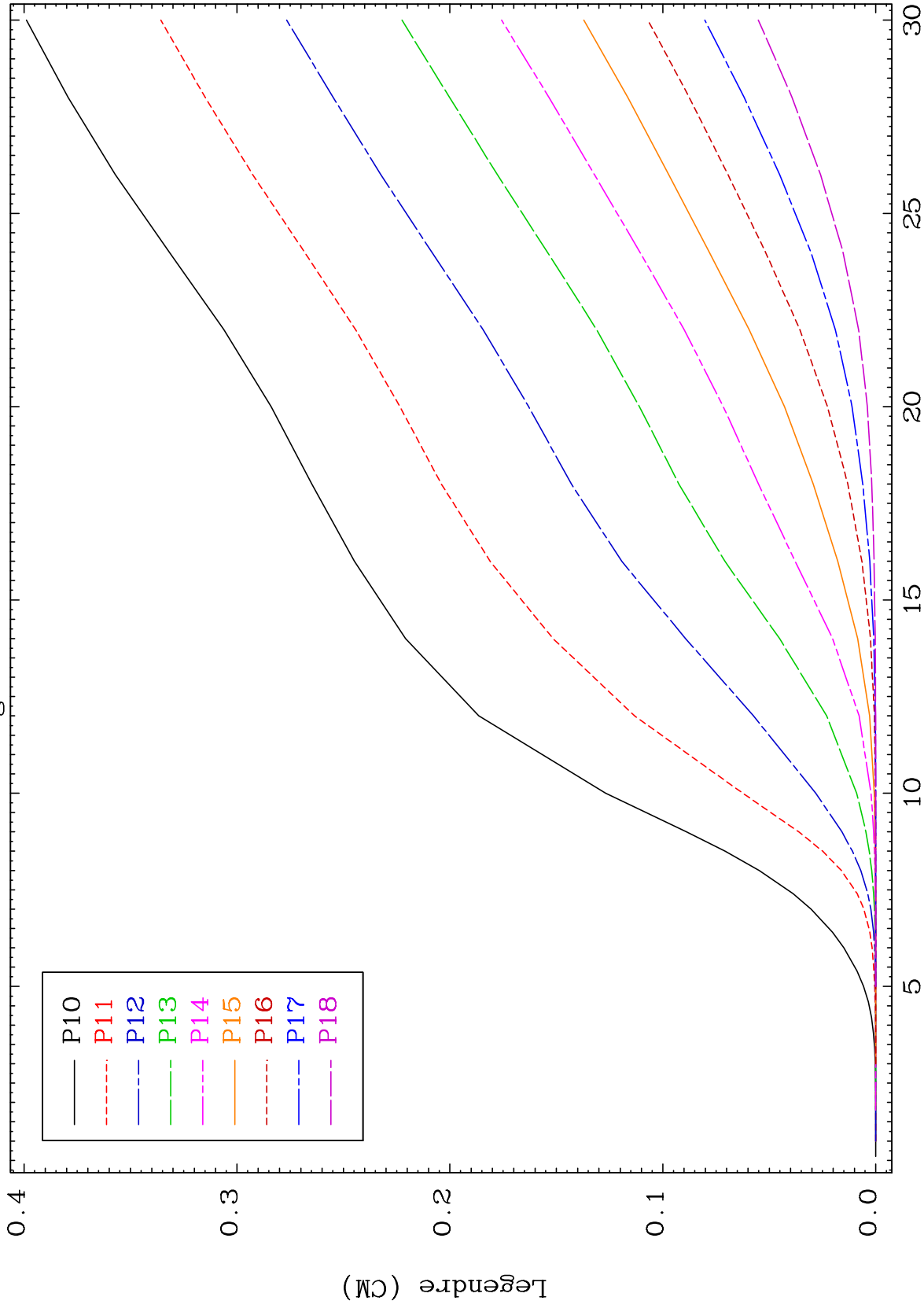
30

81-T1-197

MAT 8107

Elastic Legendre Coefficients

81-T1-197



17

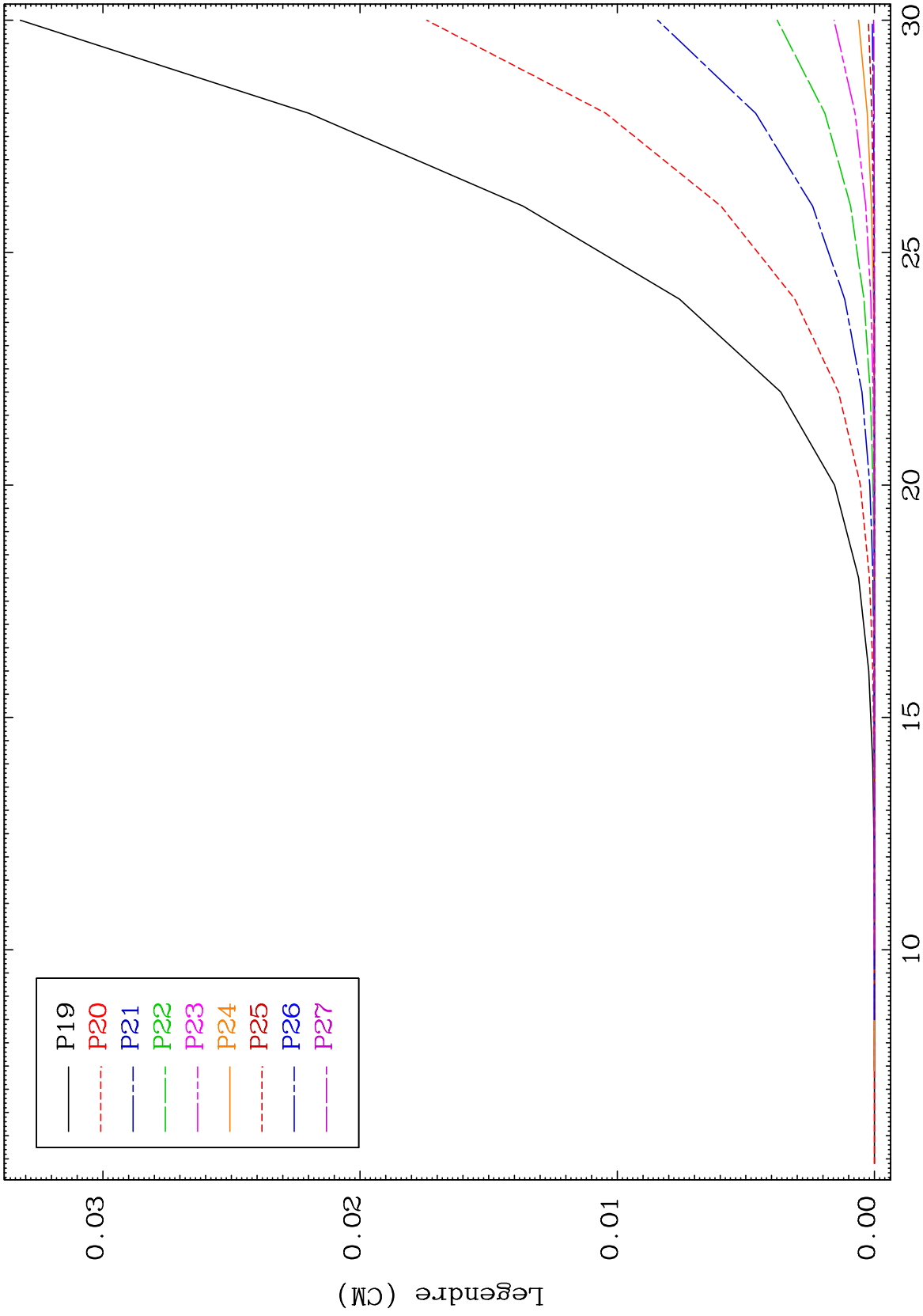
Incident Energy (MeV)

81-T1-197

MAT 8107

### Elastic Legendre Coefficients

81-T1-197



18

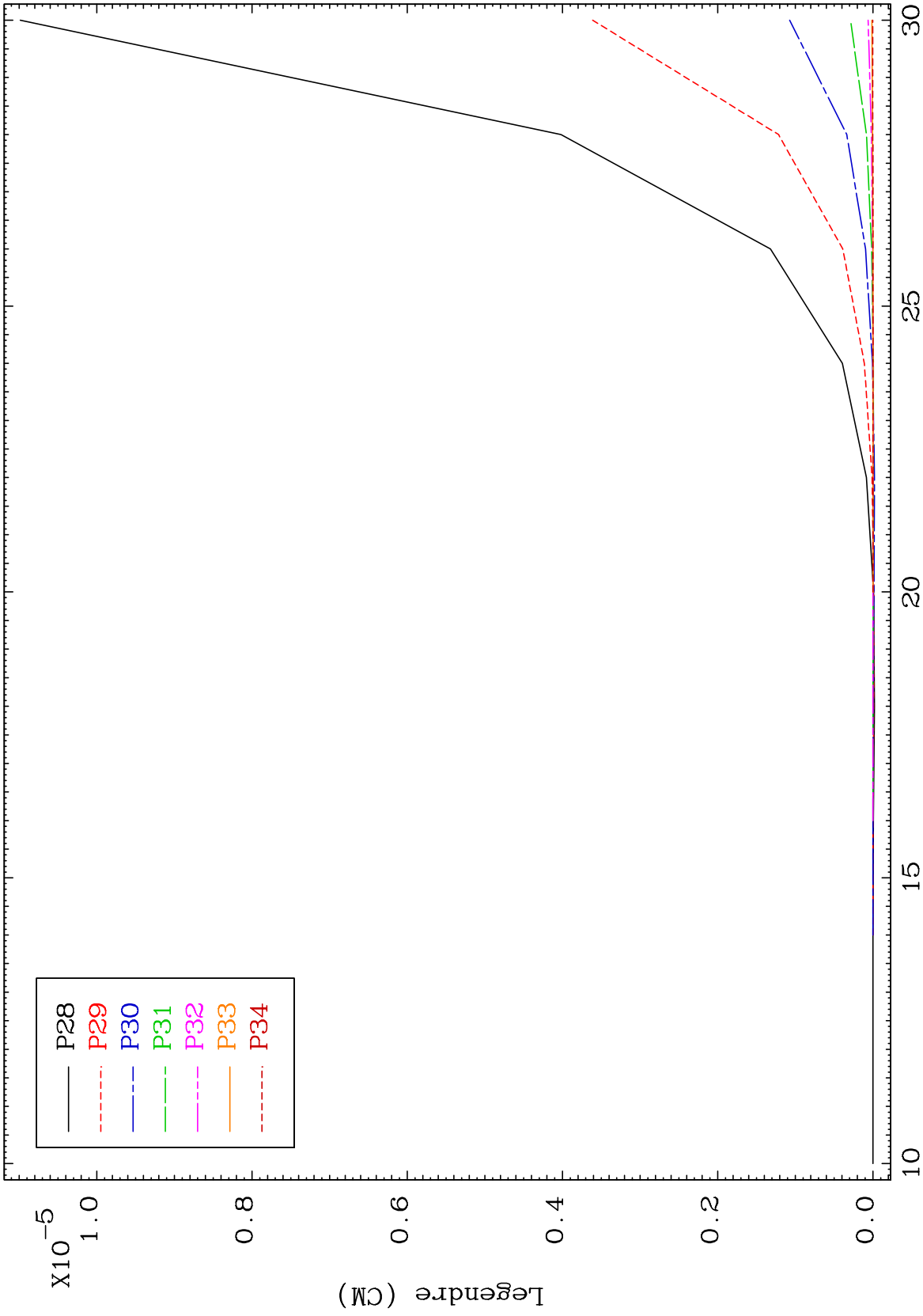
Incident Energy (MeV)

81-T1-197

MAT 8107

Elastic Legendre Coefficients

81-T1-197



19

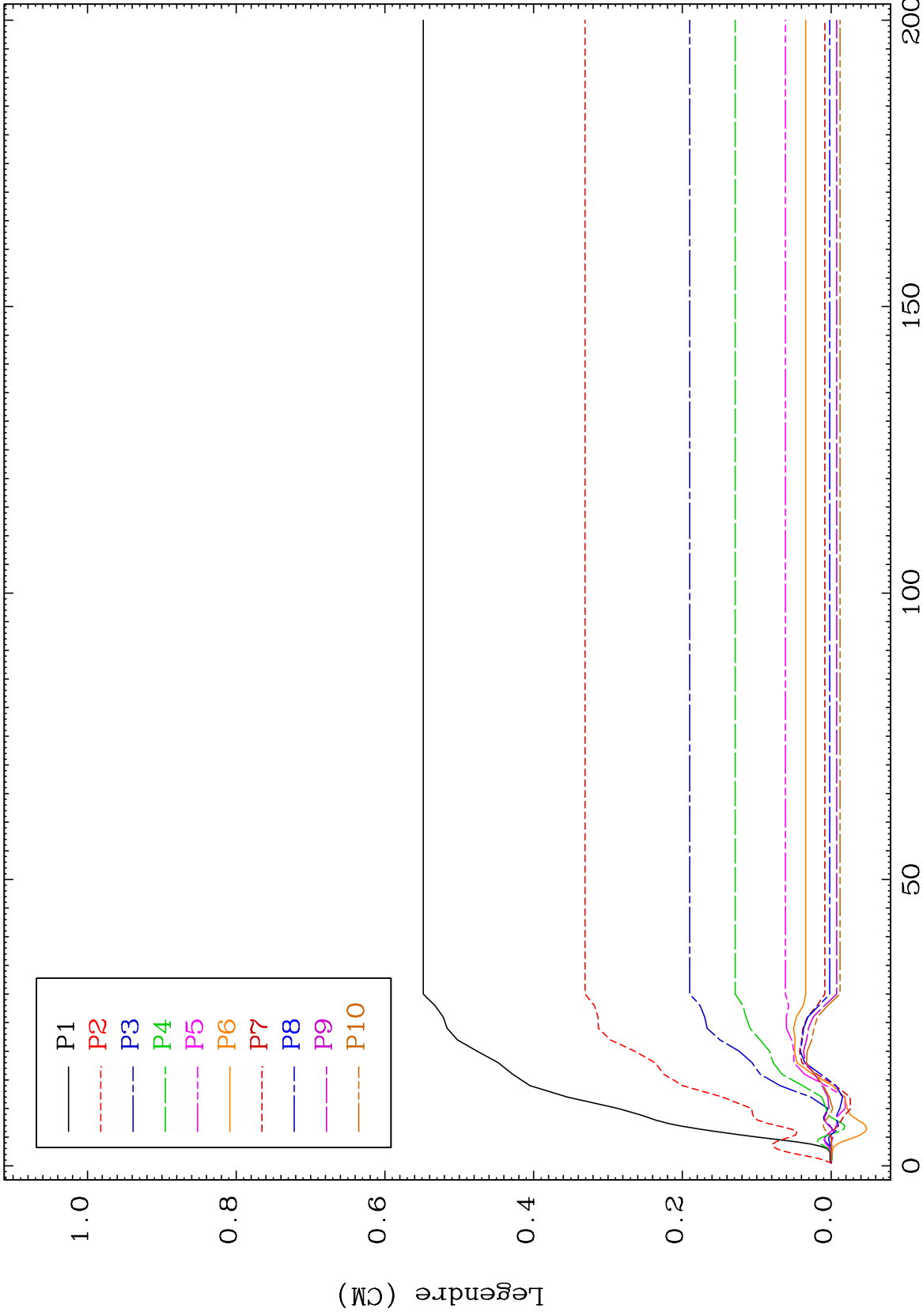
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-Tl-197



20

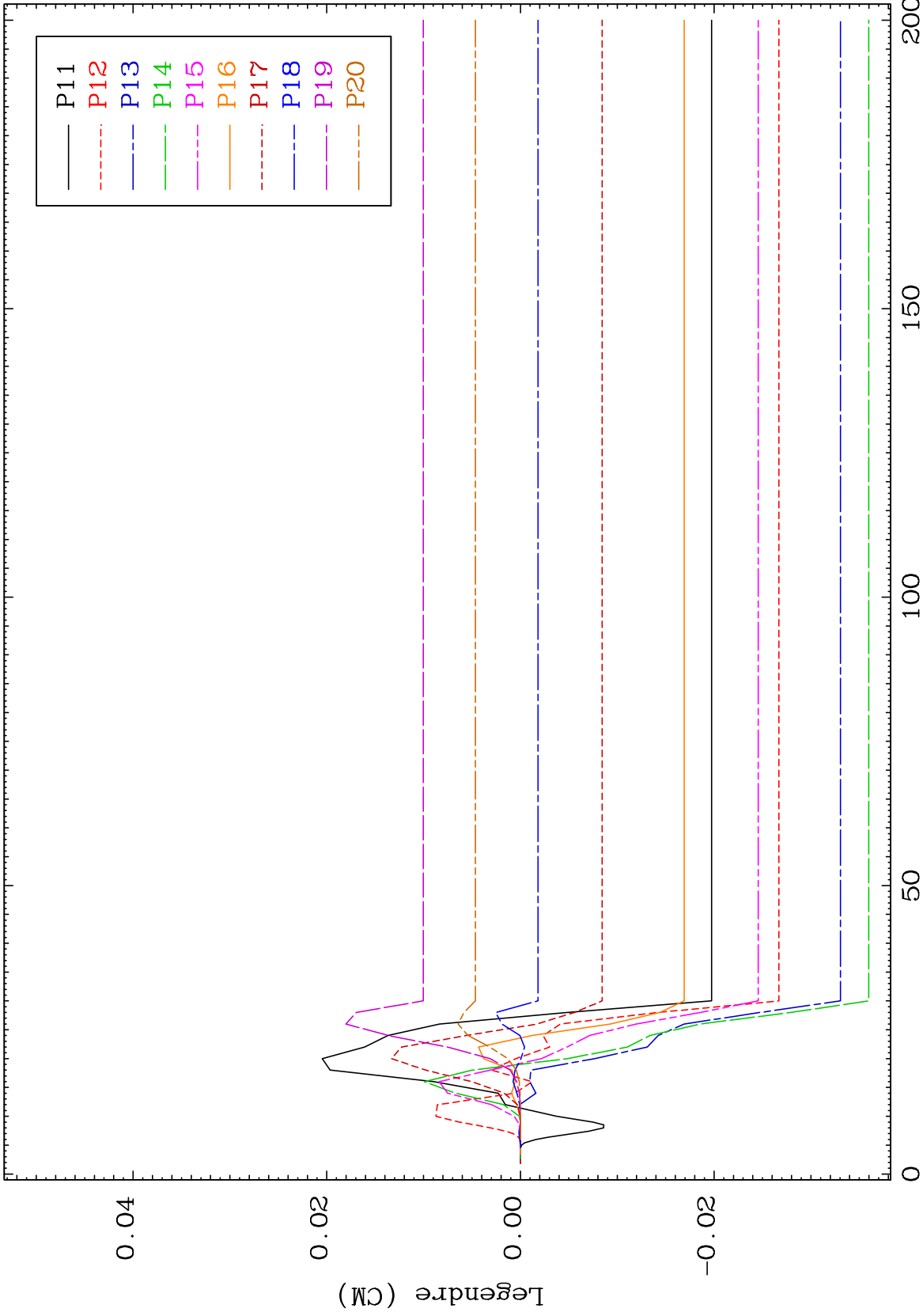
Incident Energy (MeV)

81-Tl-197

MAT 8107

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

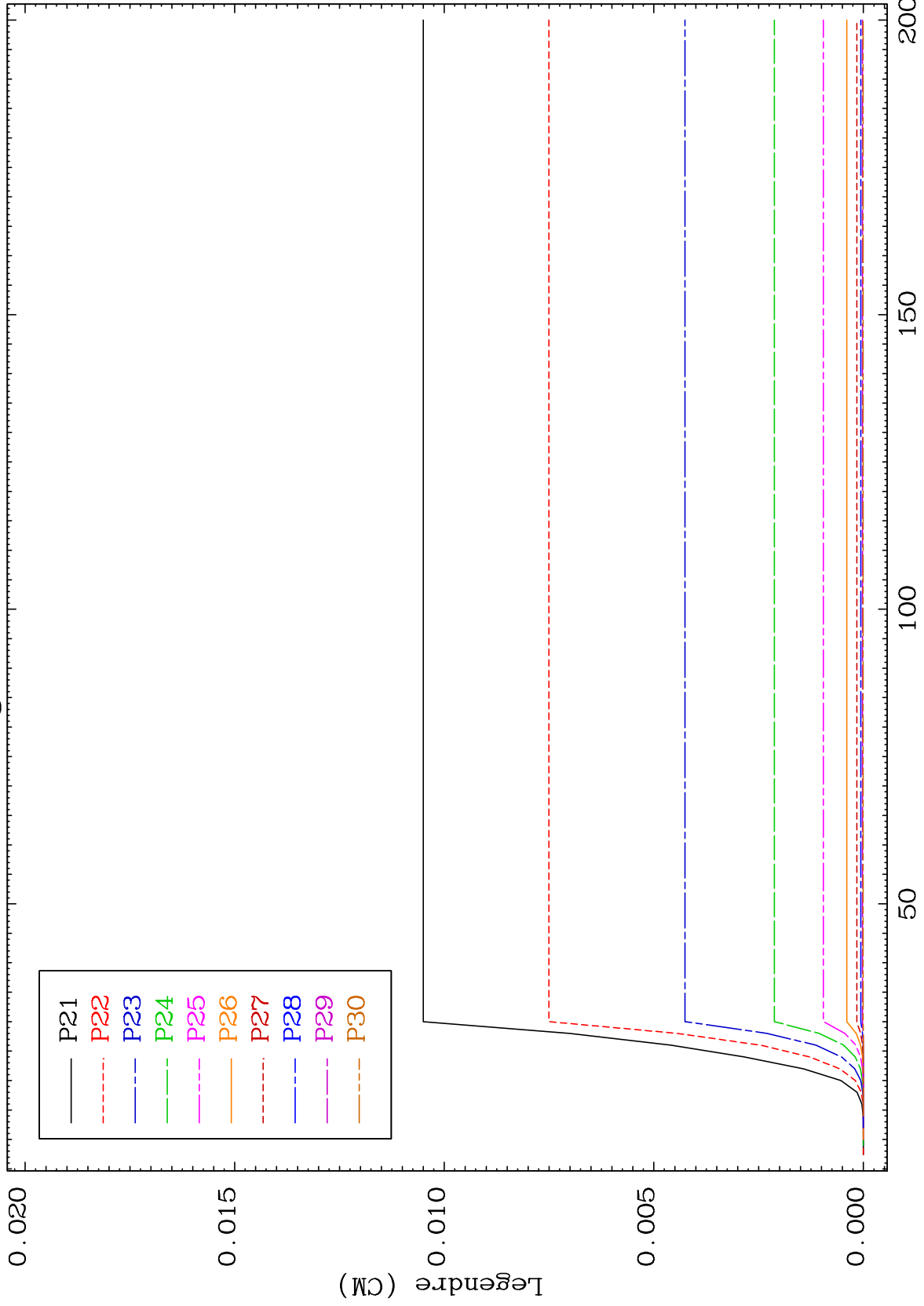
81-T1-197

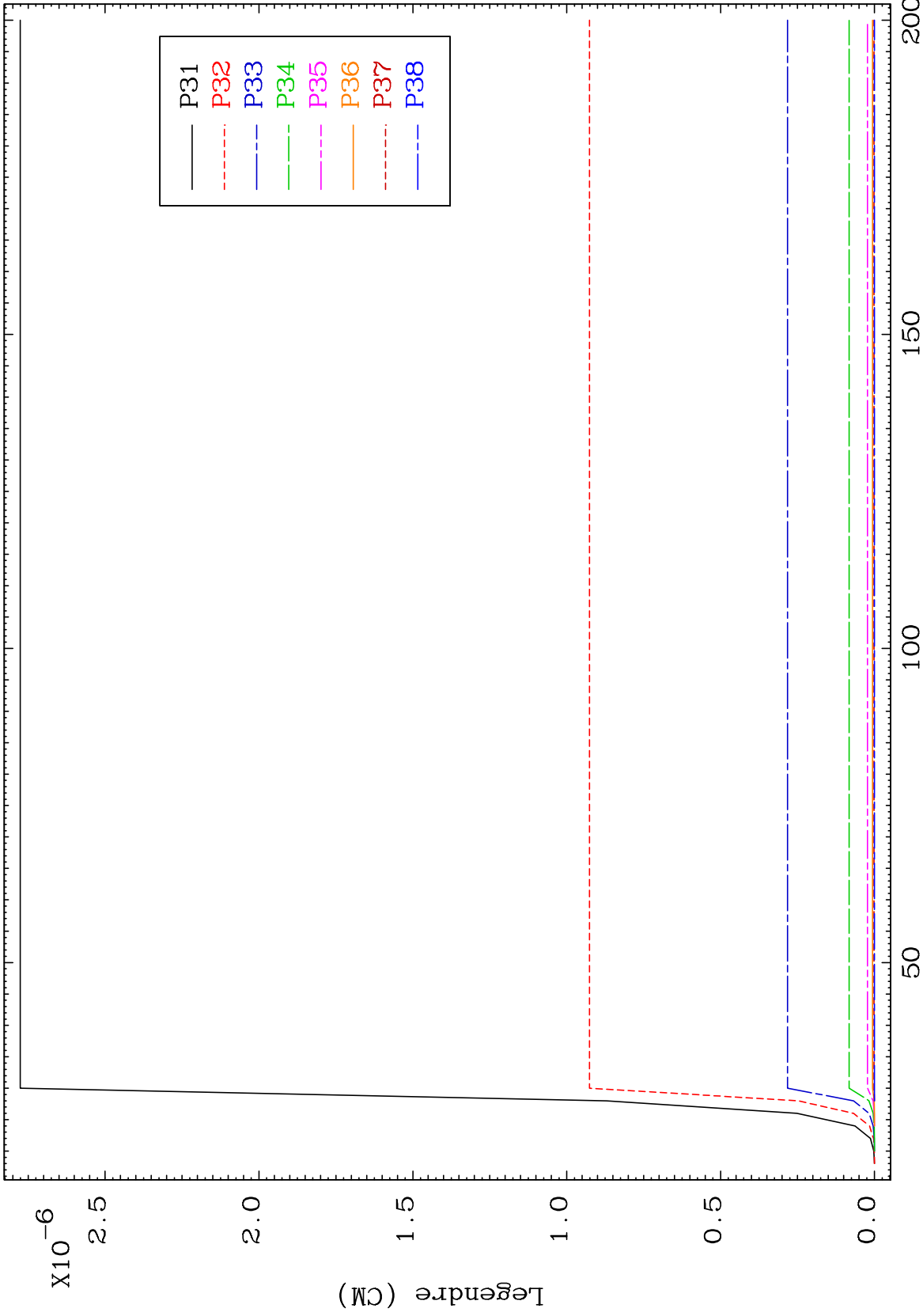


21

Incident Energy (MeV)

81-T1-197



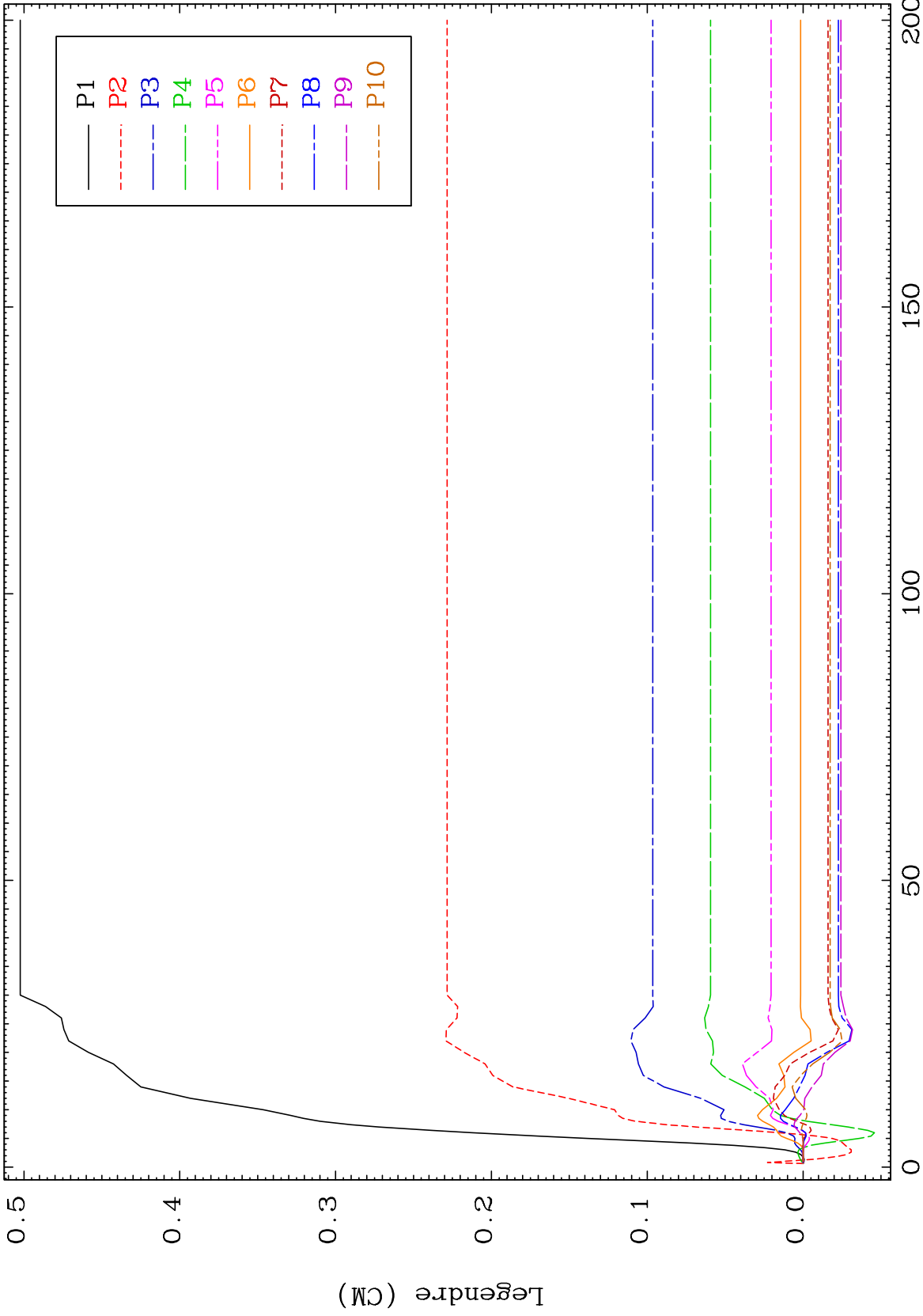




MAT 8107

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

81-T1-197



24

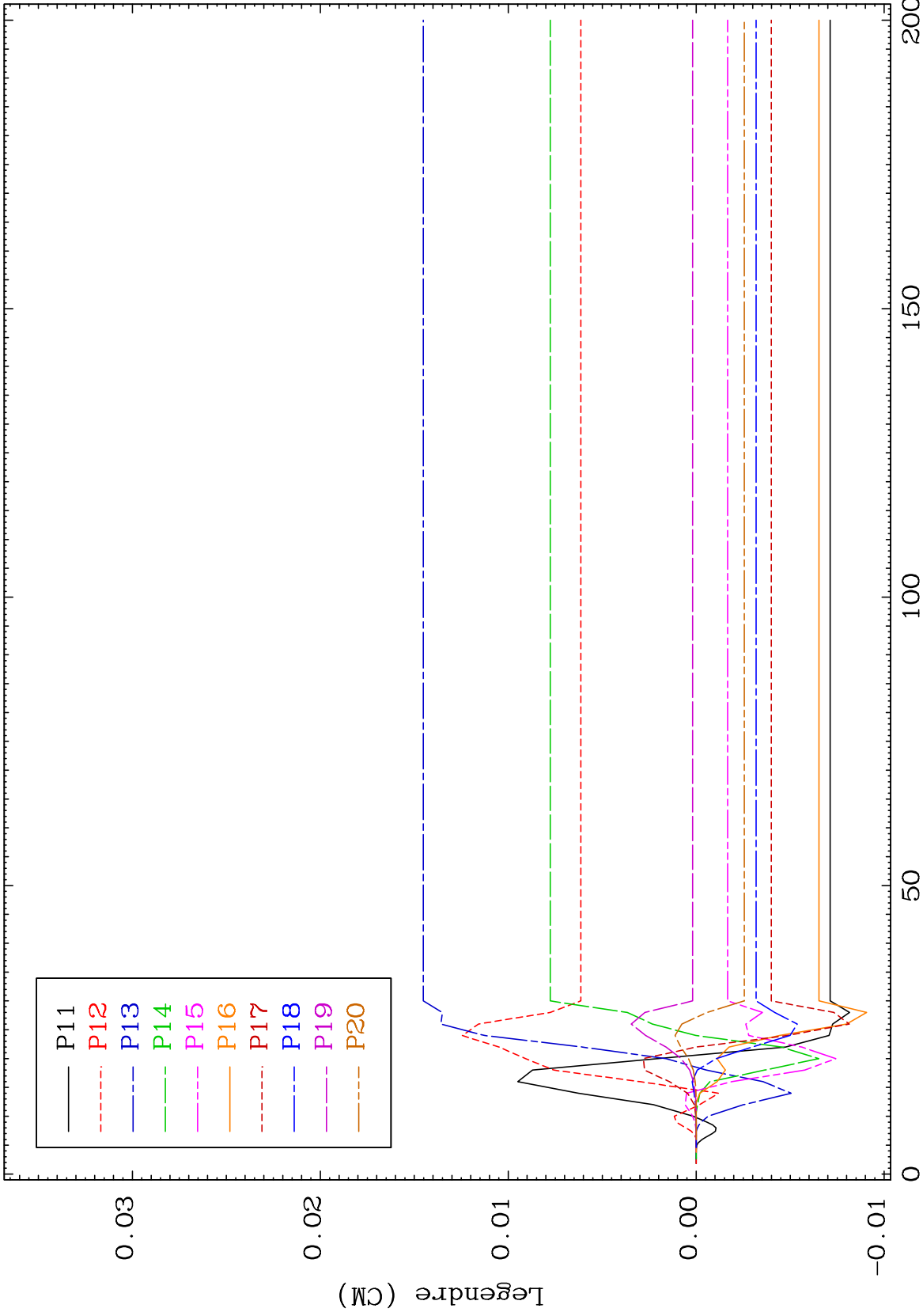
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



25

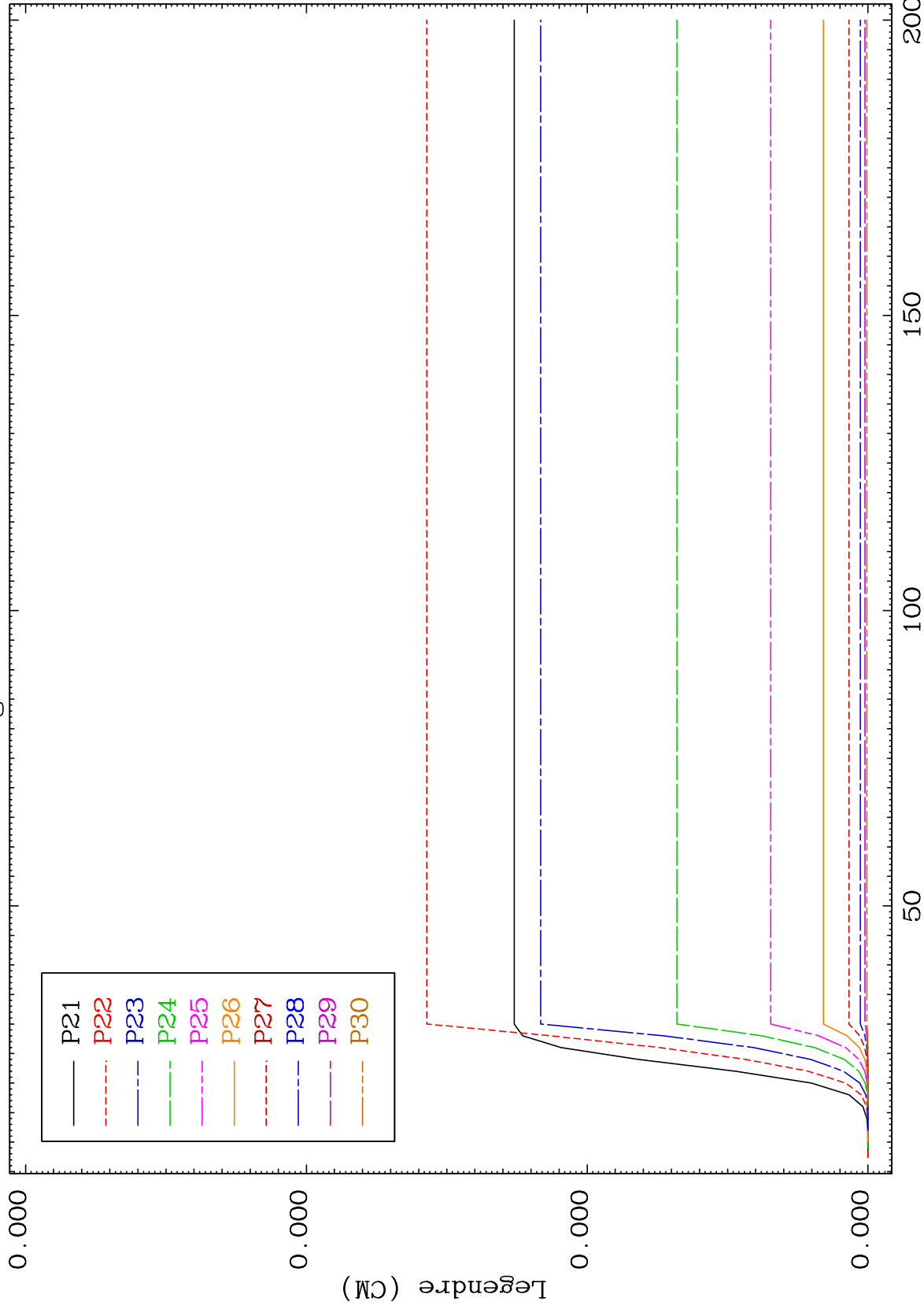
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-Tl-197



26

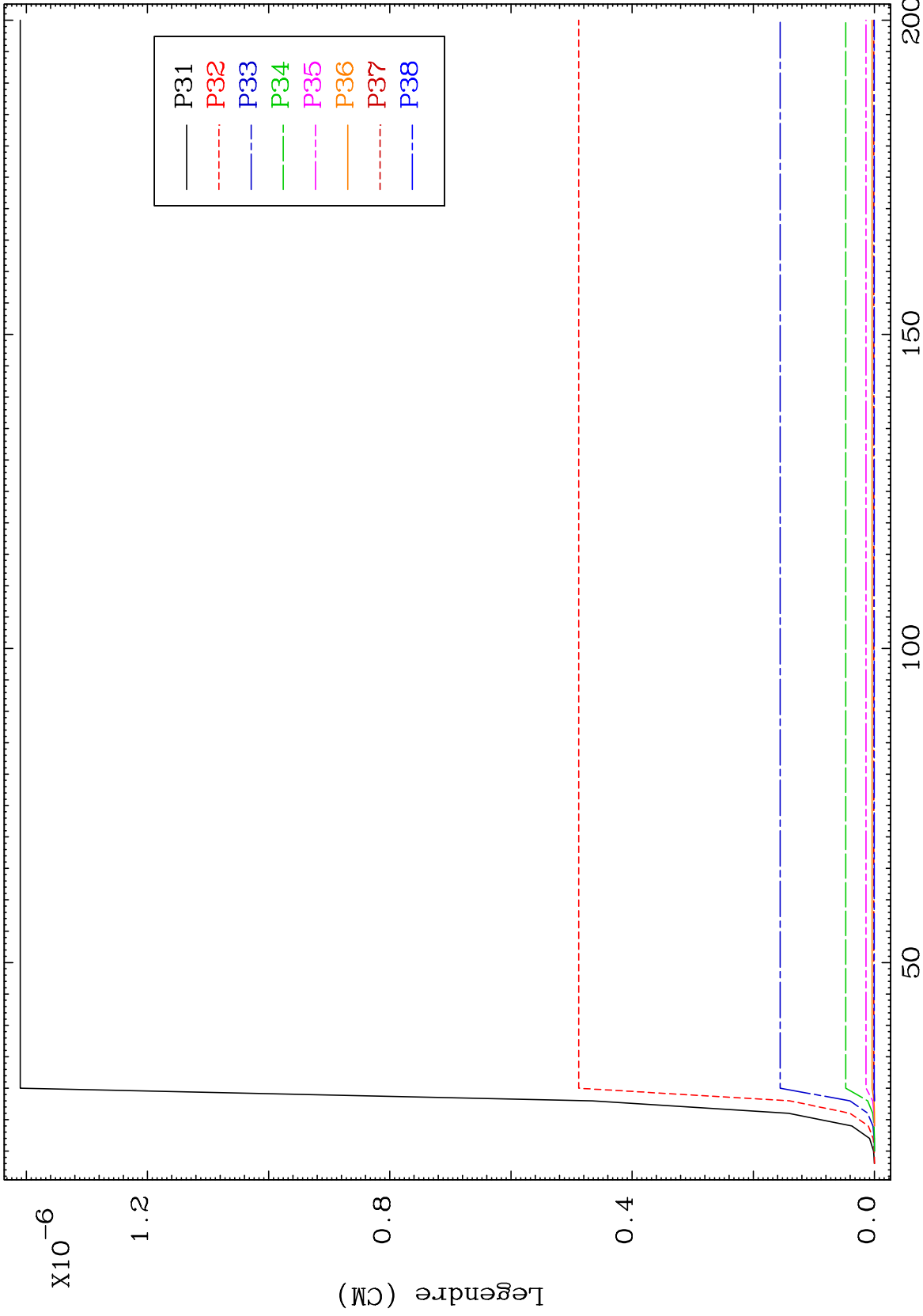
Incident Energy (MeV)

81-Tl-197

MAT 8107

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

81-T1-197



27

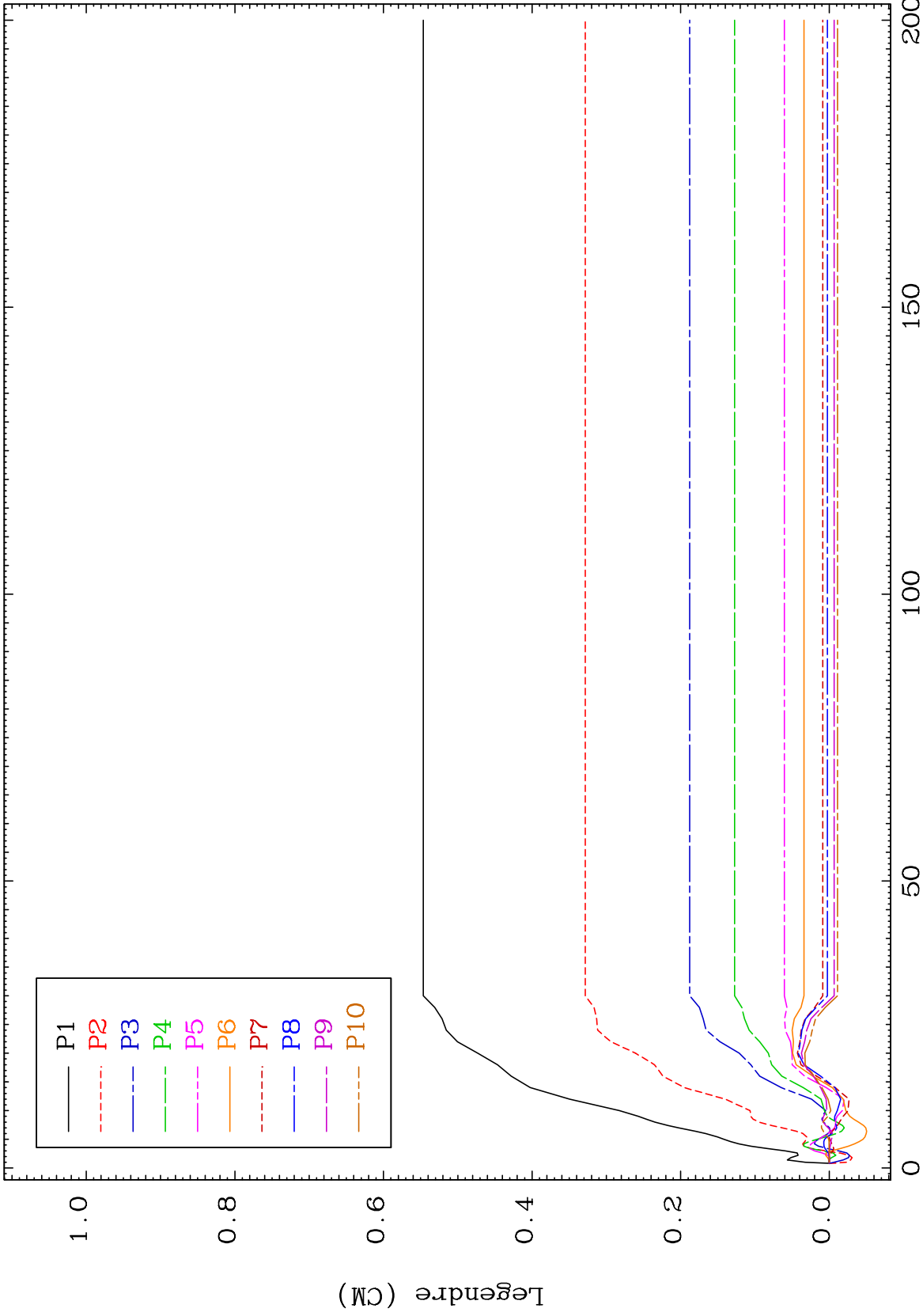
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



28

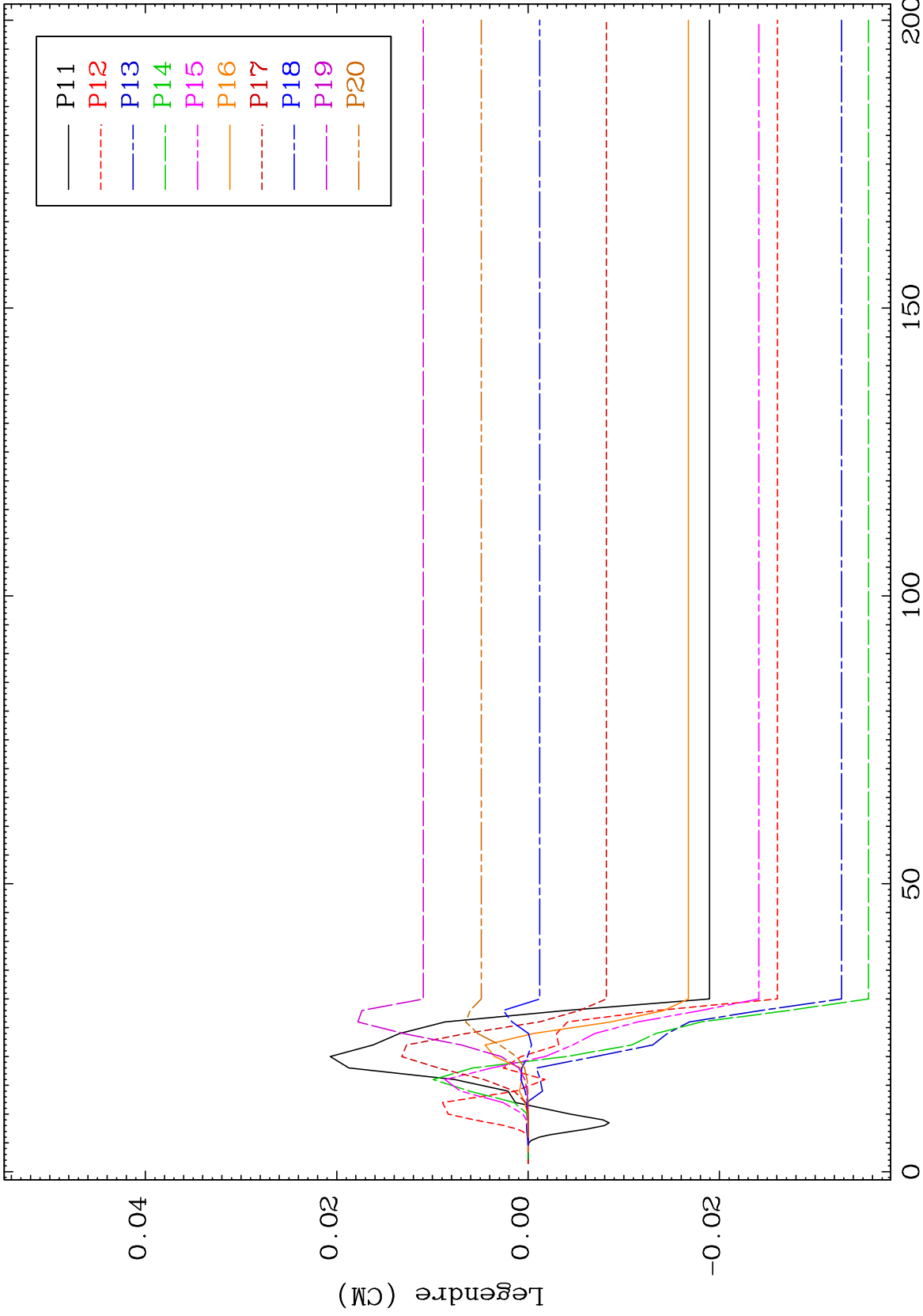
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-Tl-197



29

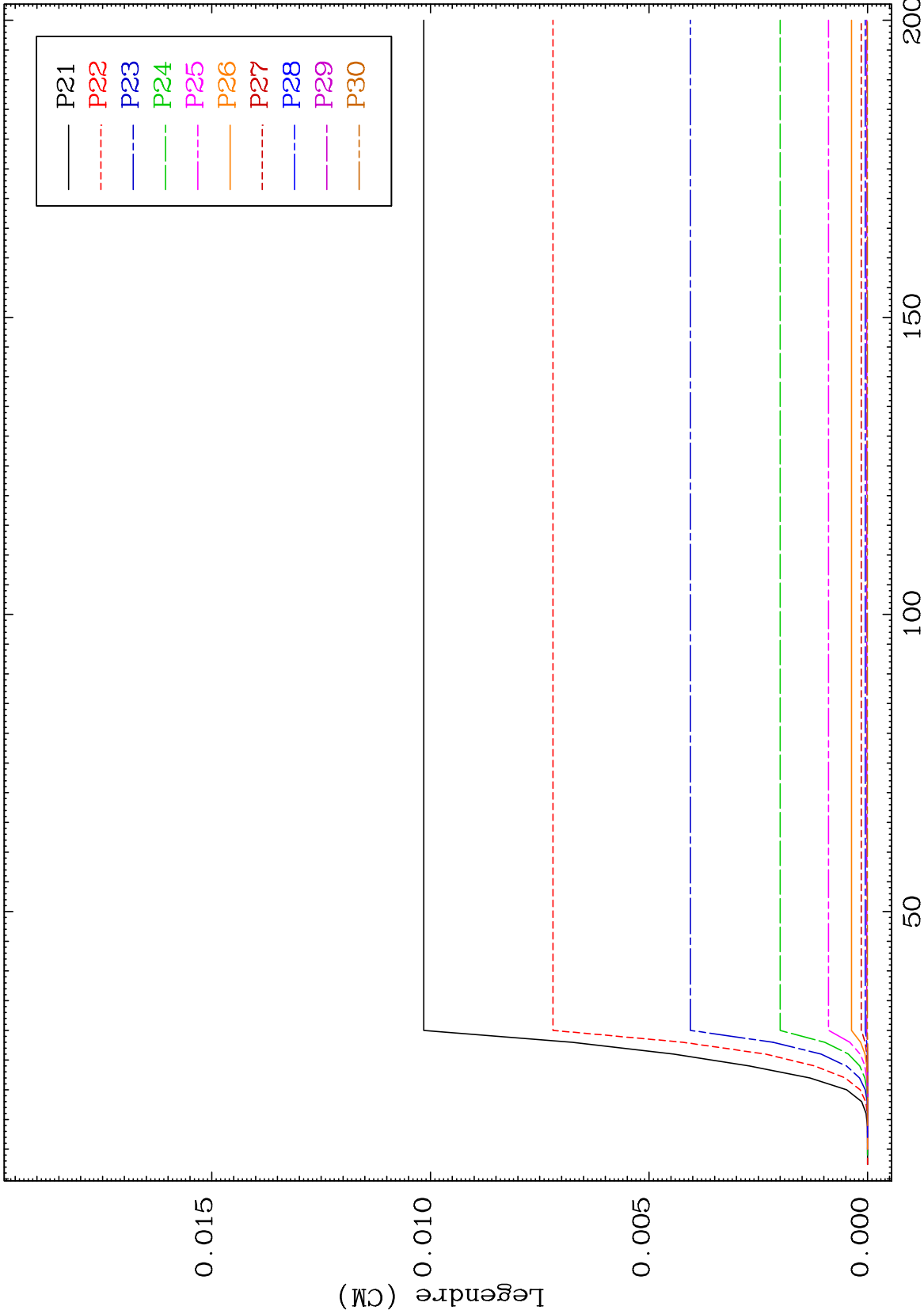
Incident Energy (MeV)

81-Tl-197

MAT 8107

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

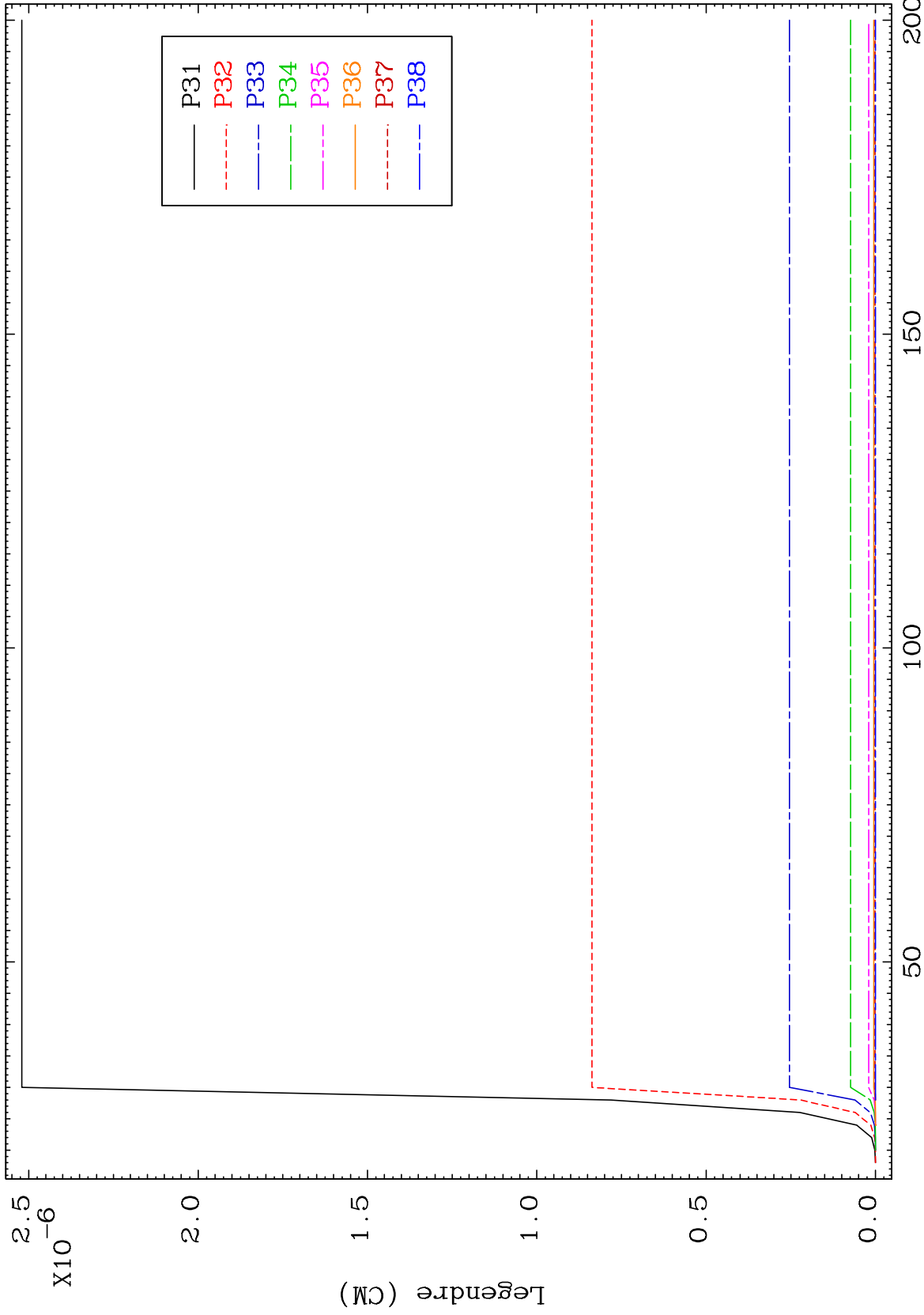
81-T1-197



30

Incident Energy (MeV)

81-T1-197

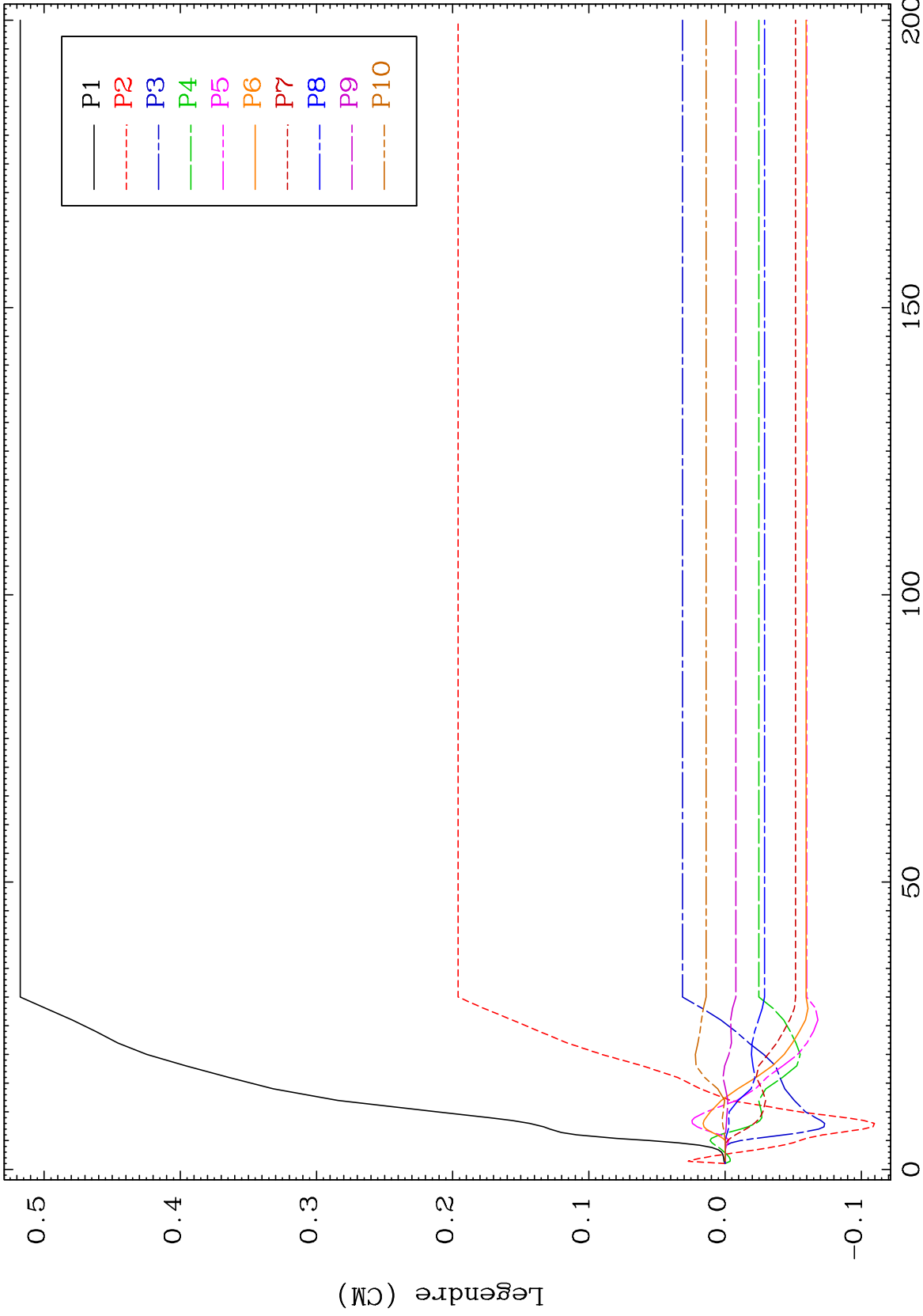




MAT 8107

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

81-T1-197



32

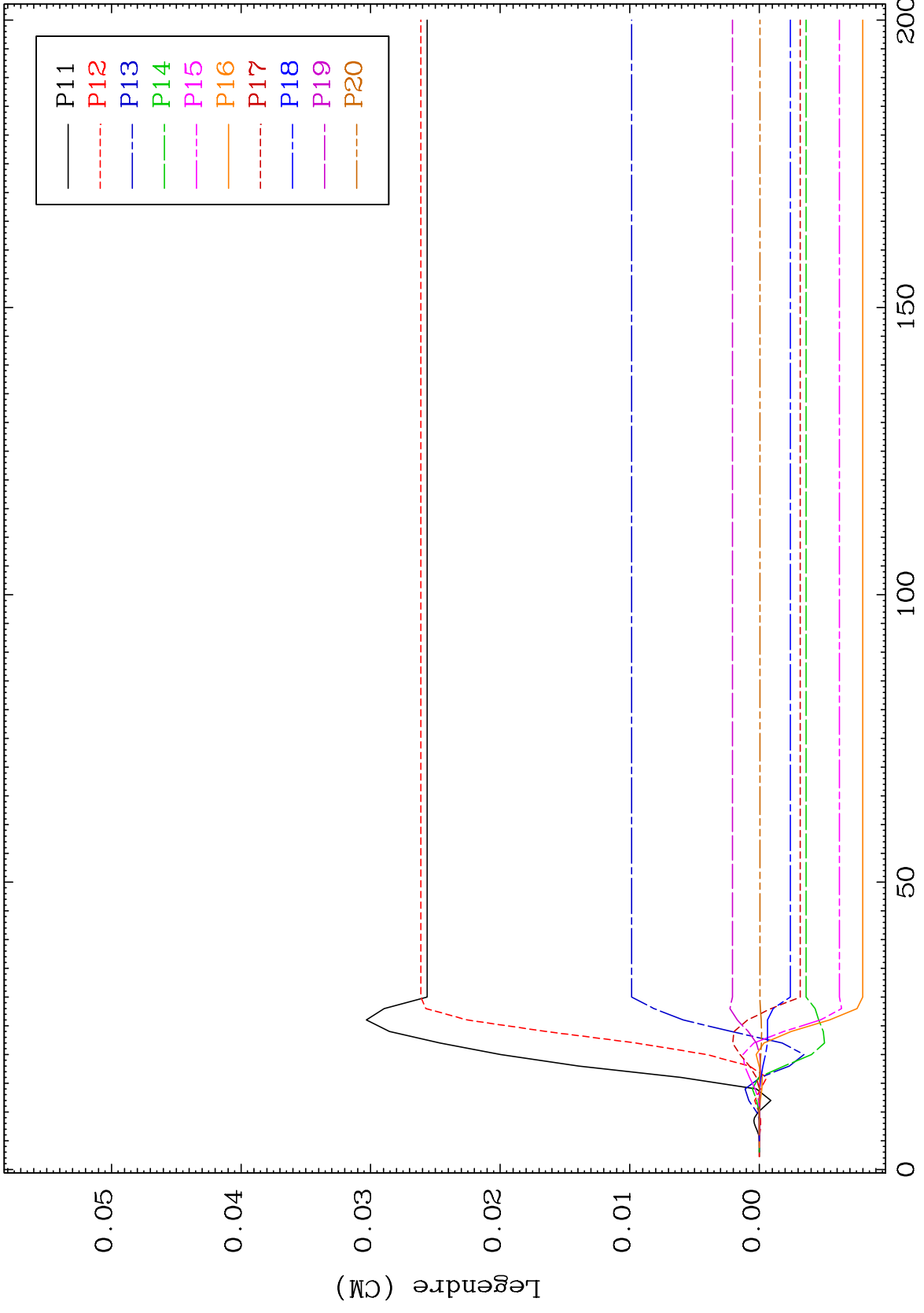
Incident Energy (MeV)

81-T1-197

MAT 8107

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

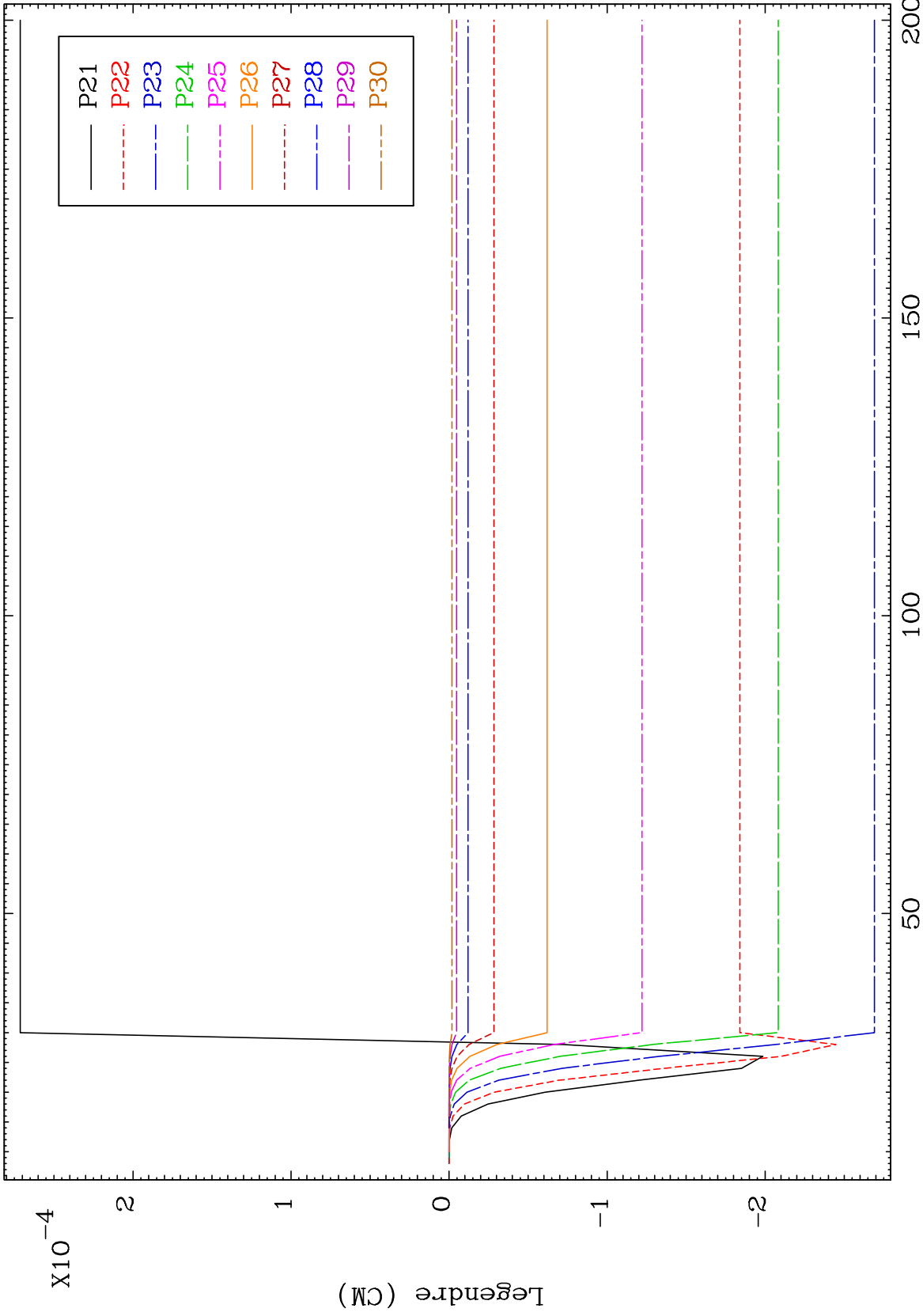
81-T1-197



MAT 8107

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

81-T1-197



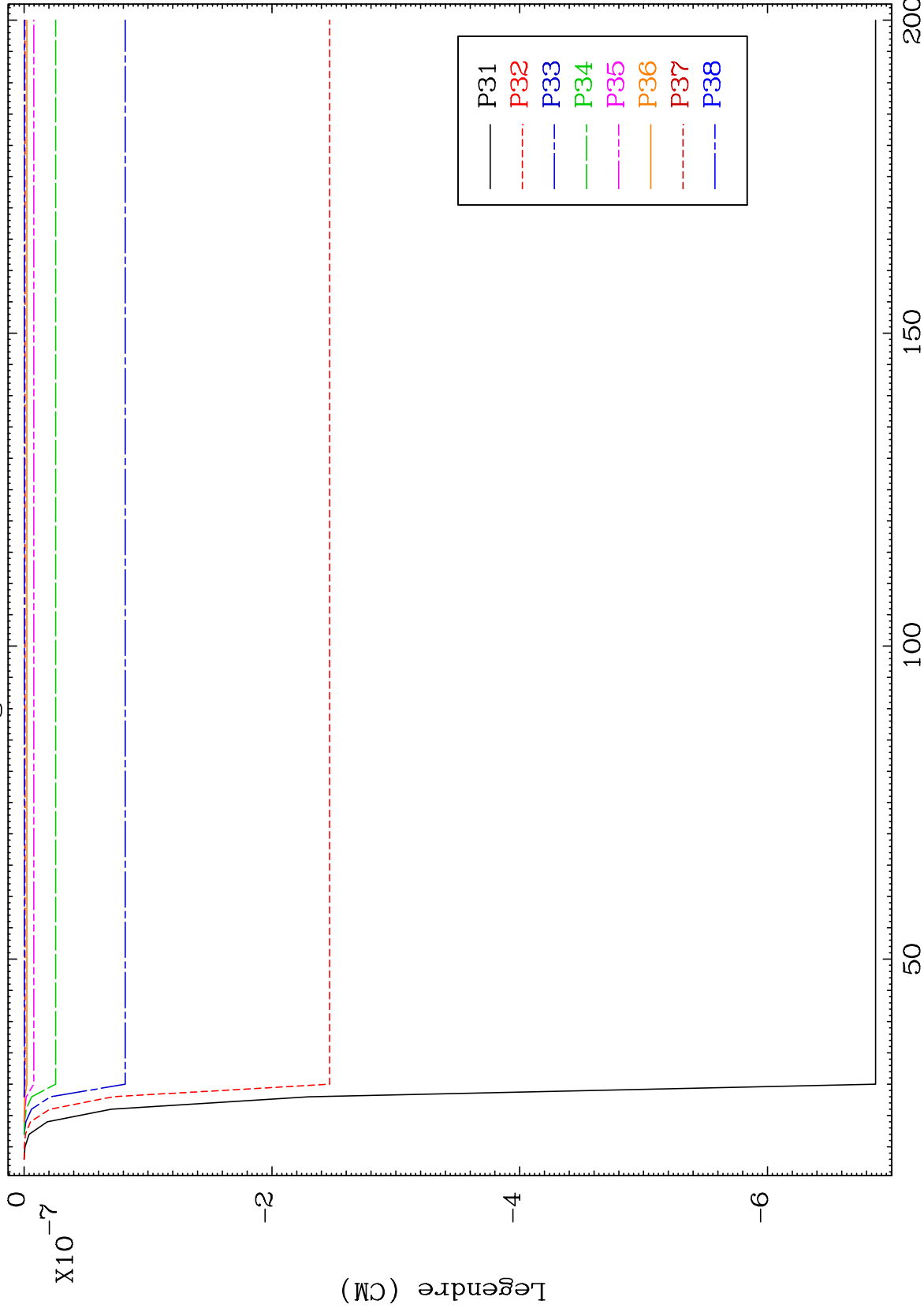
34

81-T1-197

MAT 8107

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

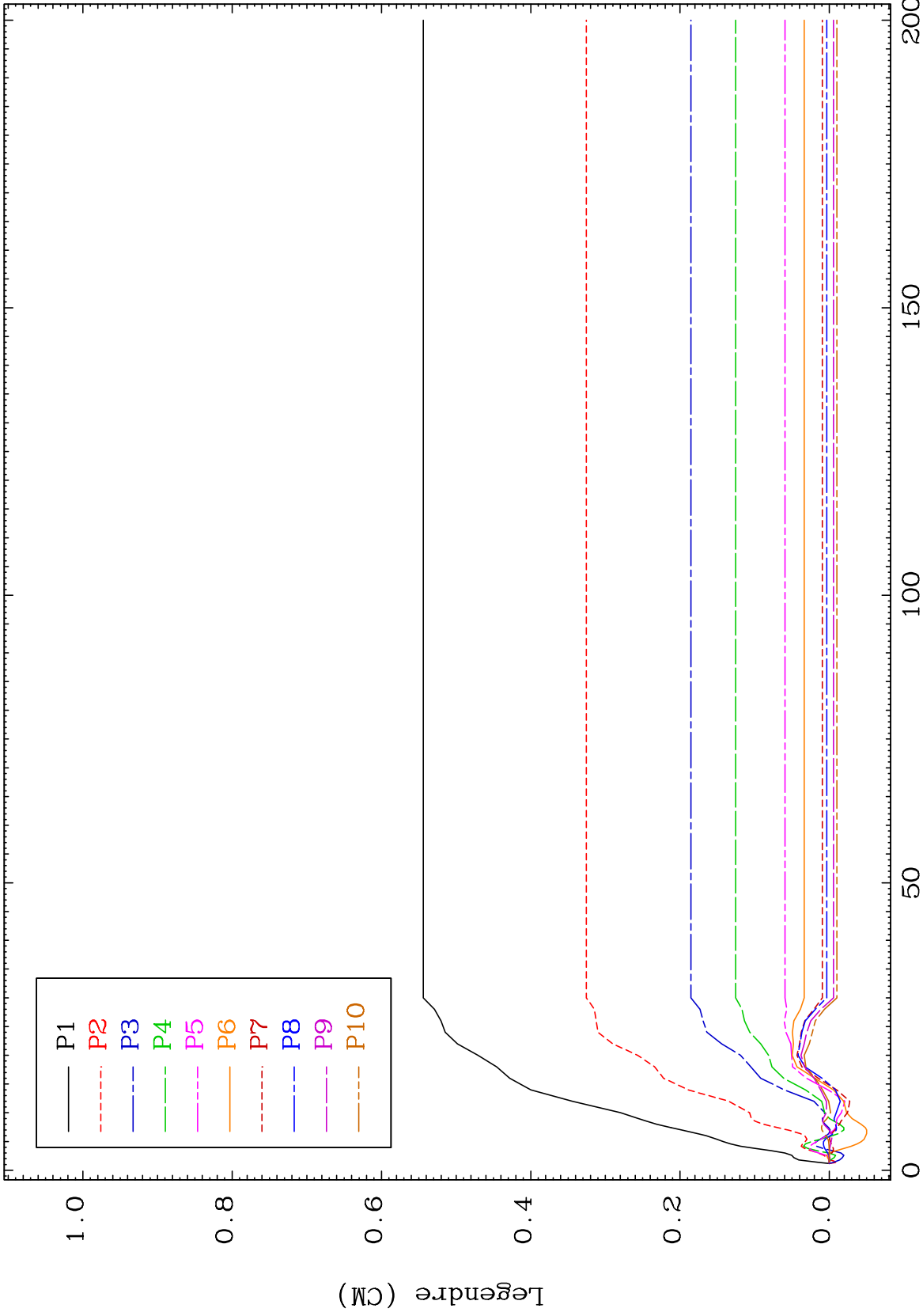
81-T1-197



35

Incident Energy (MeV)

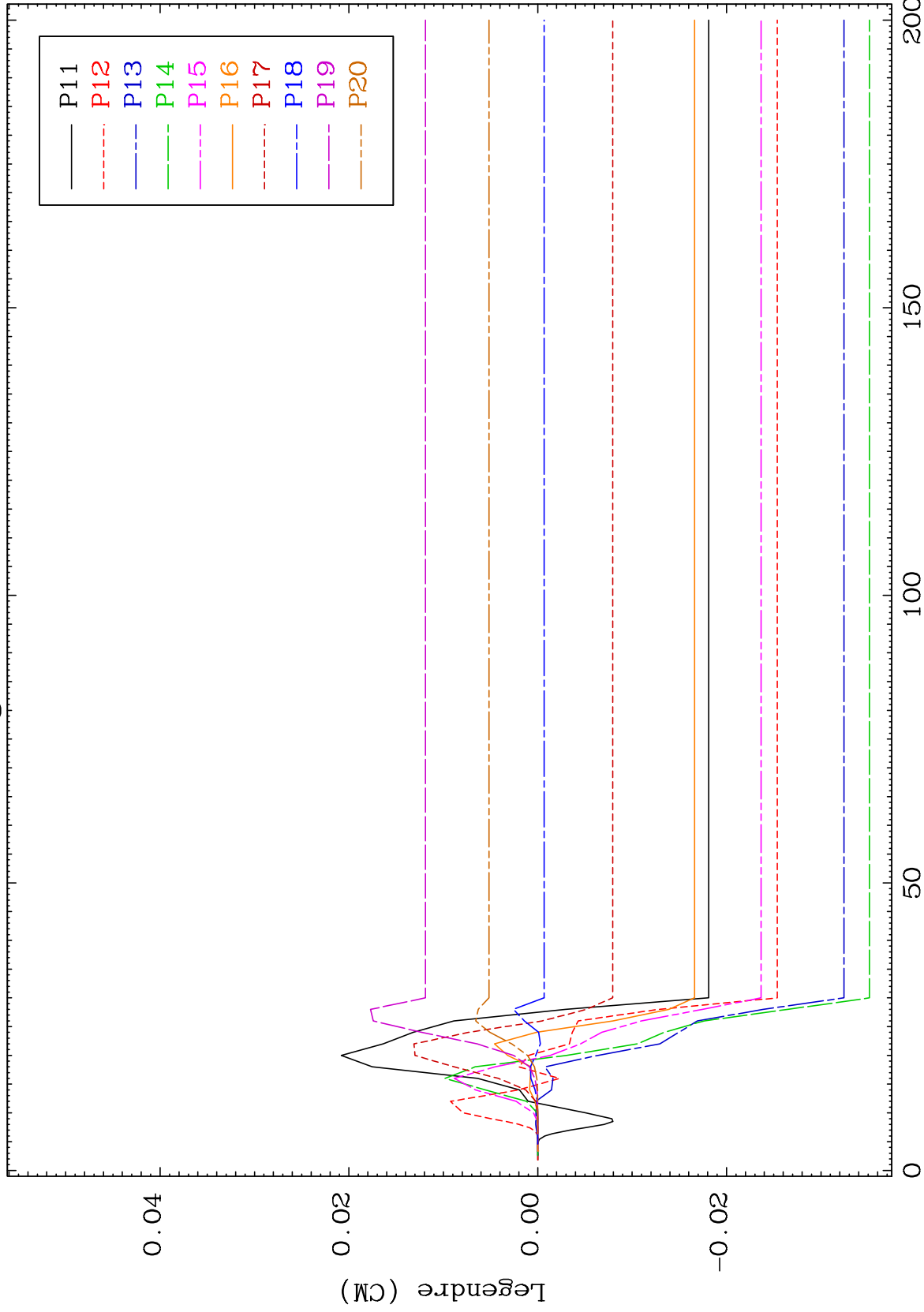
81-T1-197



MAT 8107

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

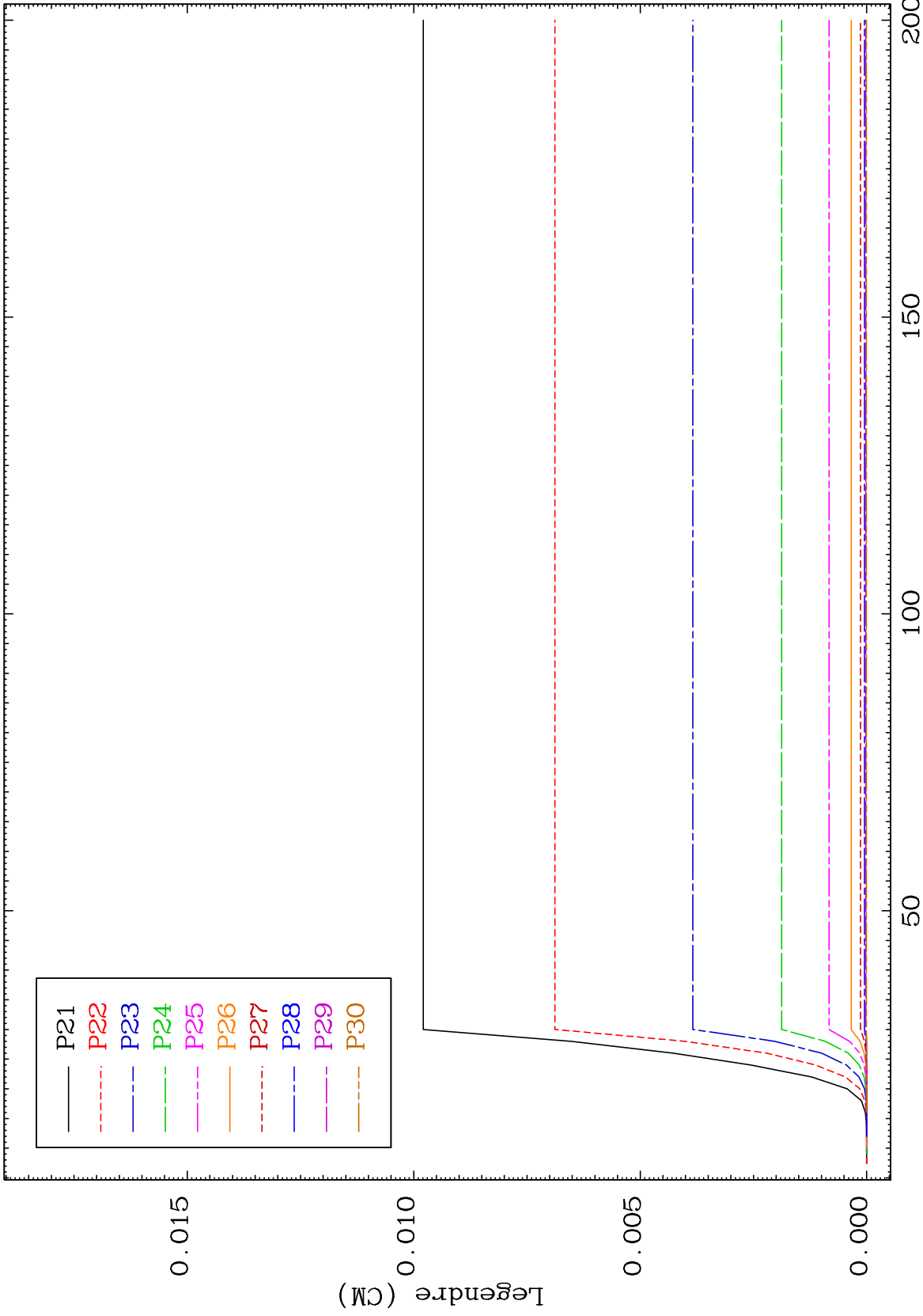
81-T1-197

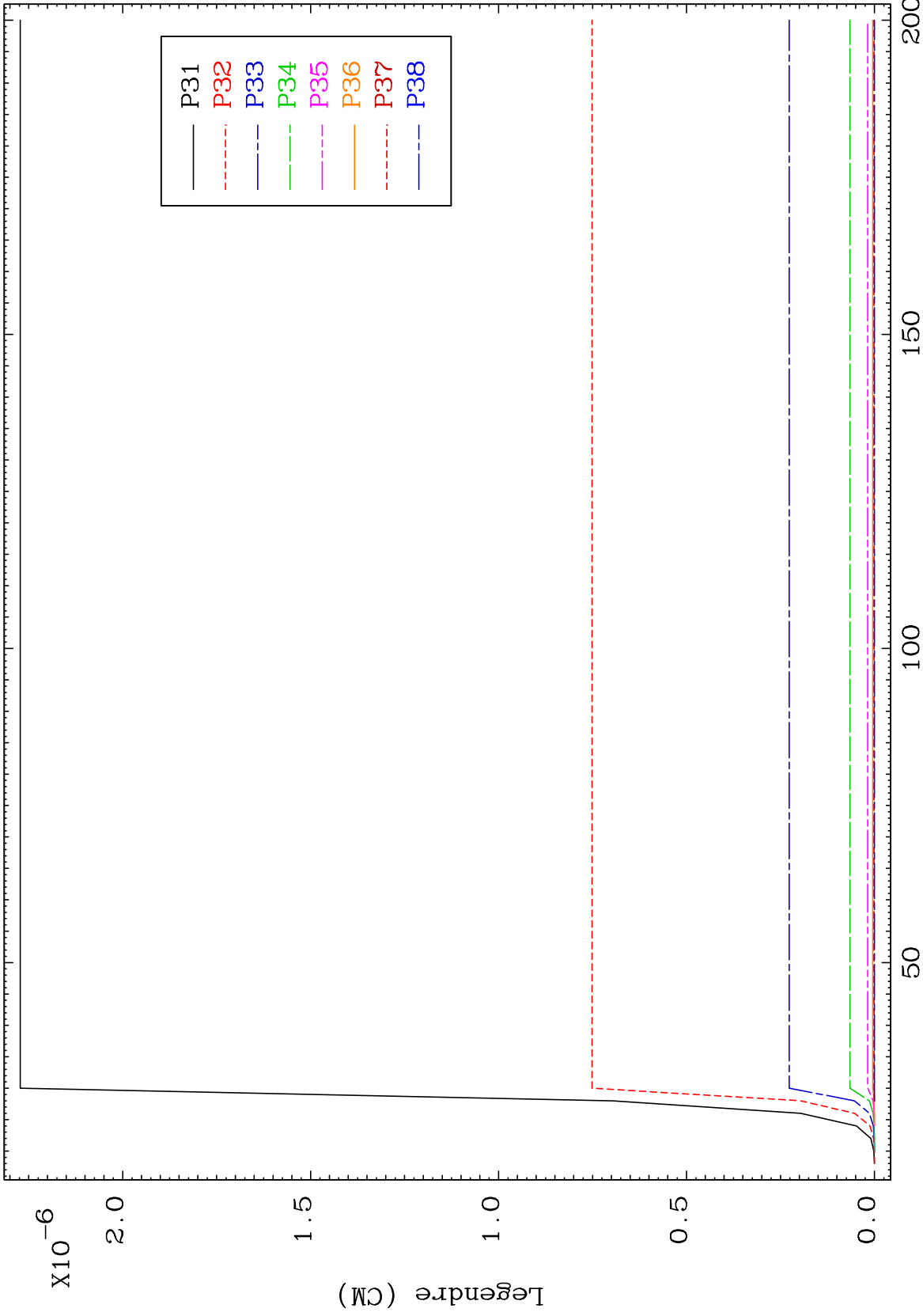


37

Incident Energy (MeV)

81-T1-197



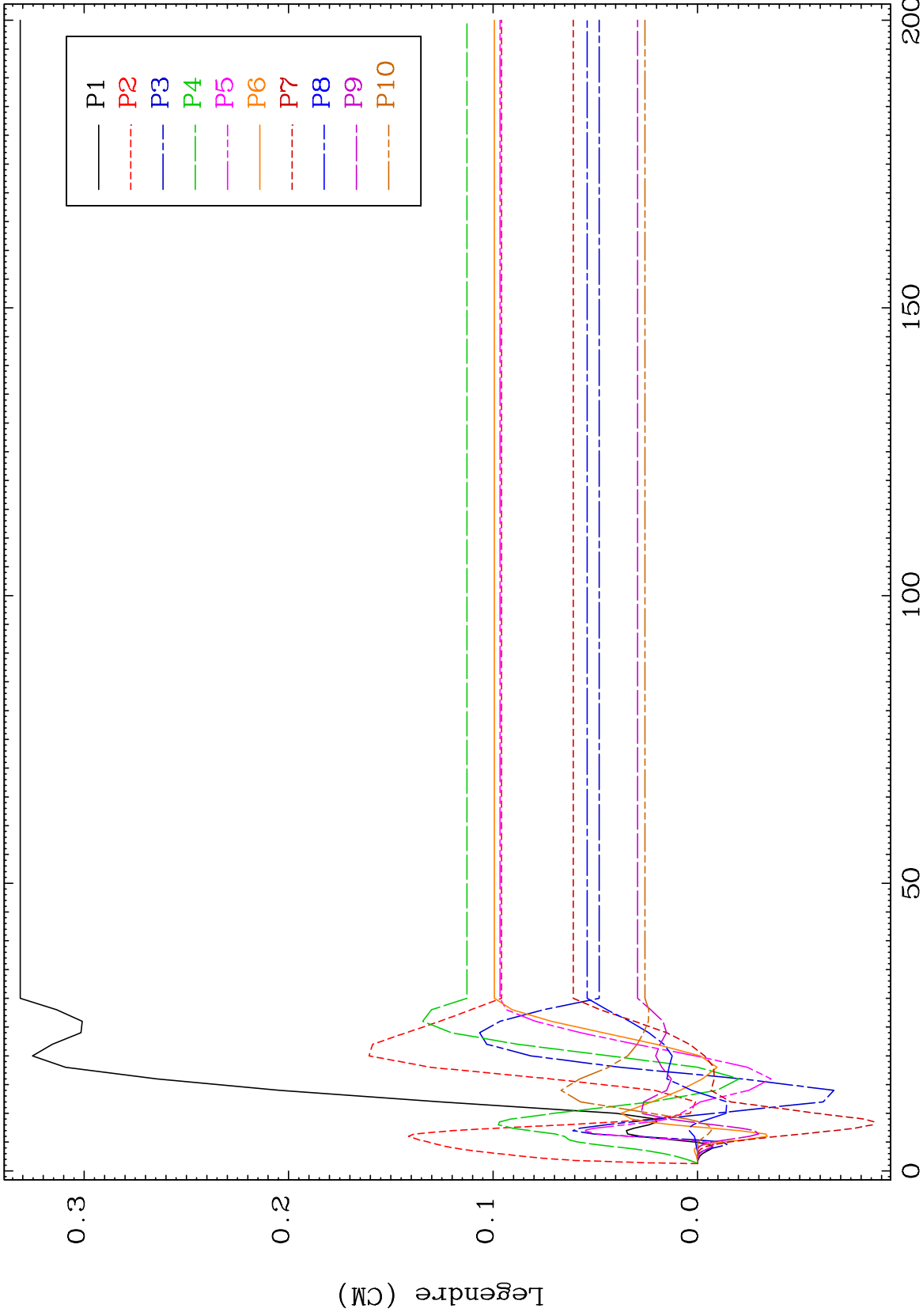




MAT 8107

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

81-T1-197



40

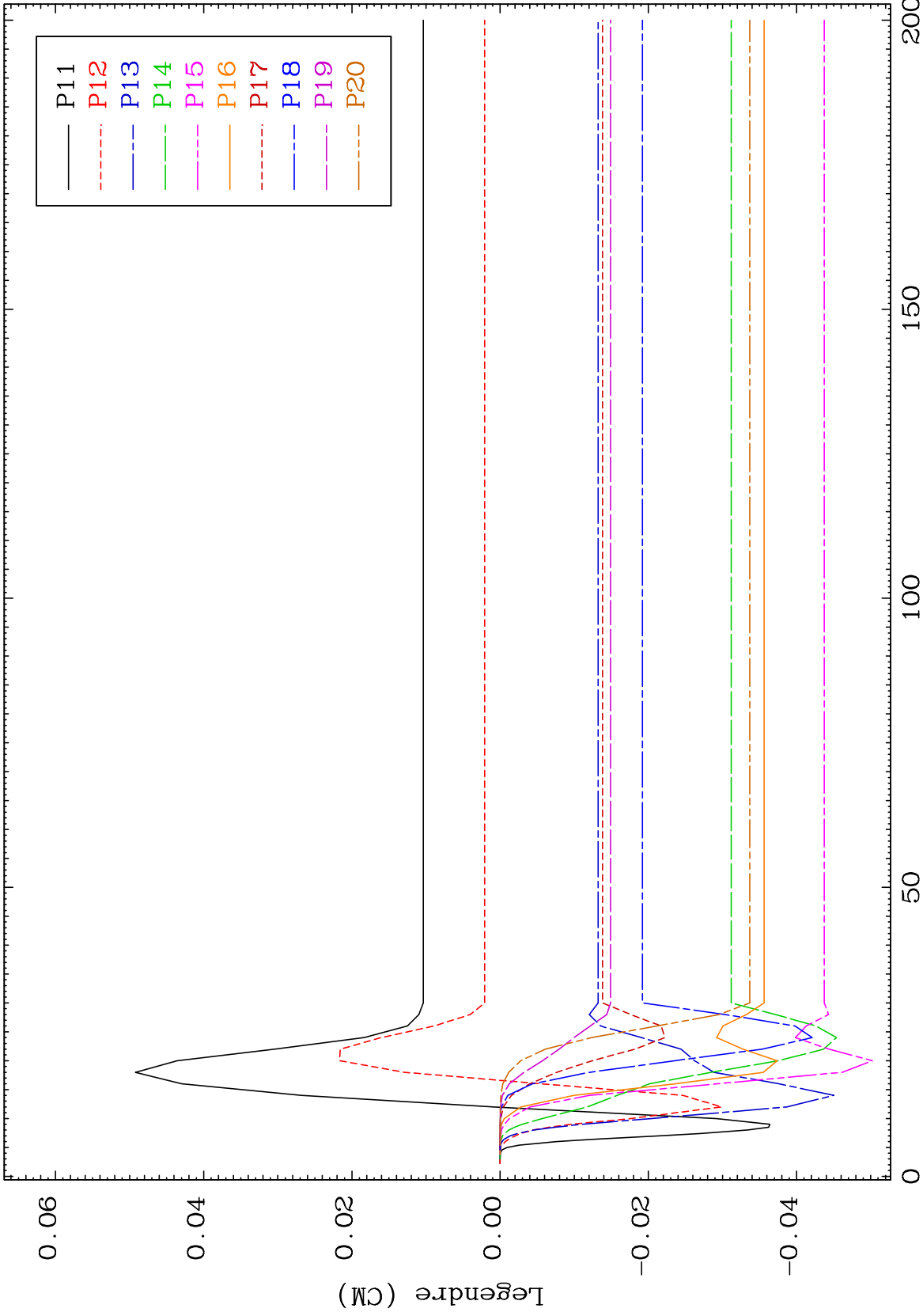
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



41

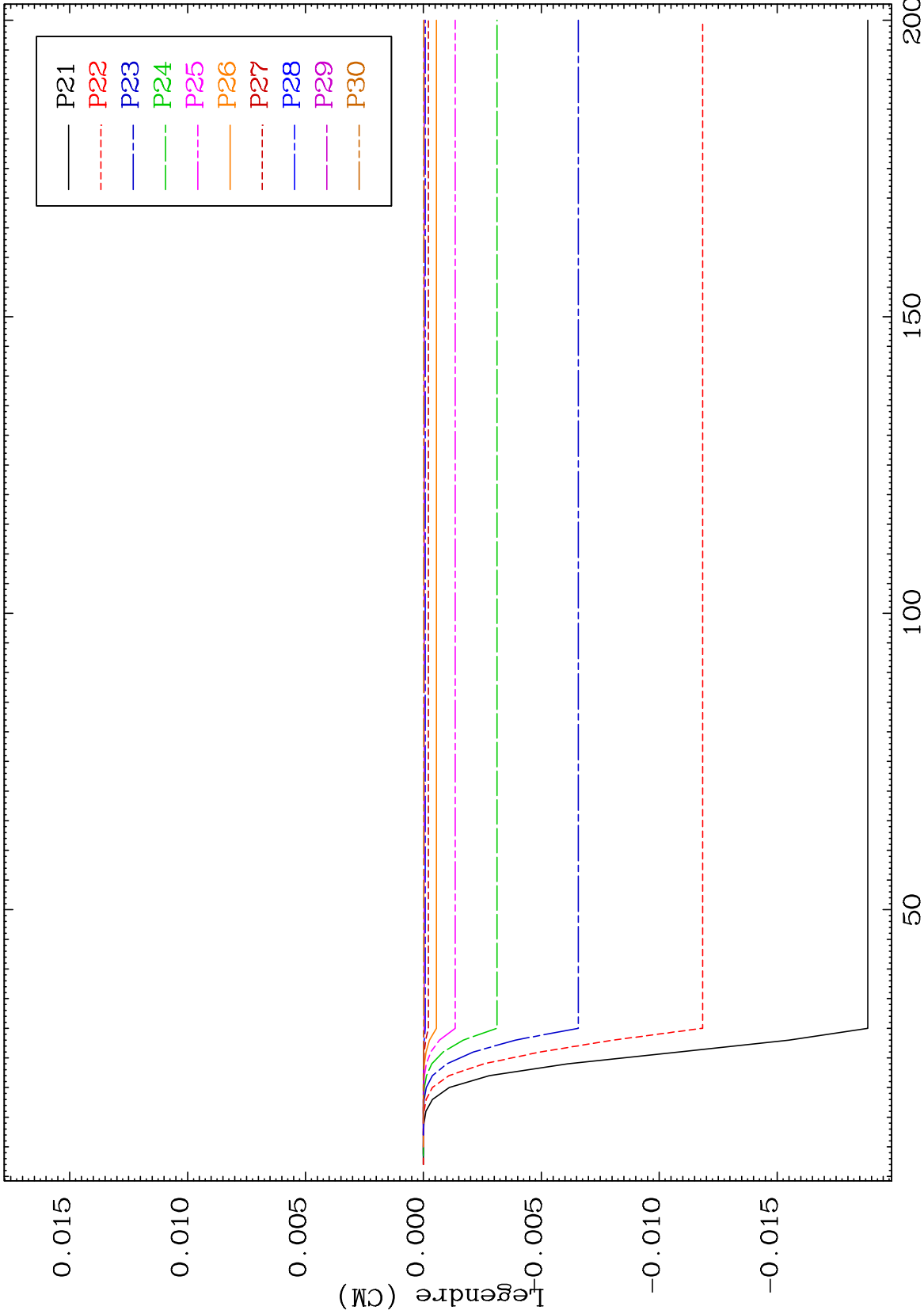
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



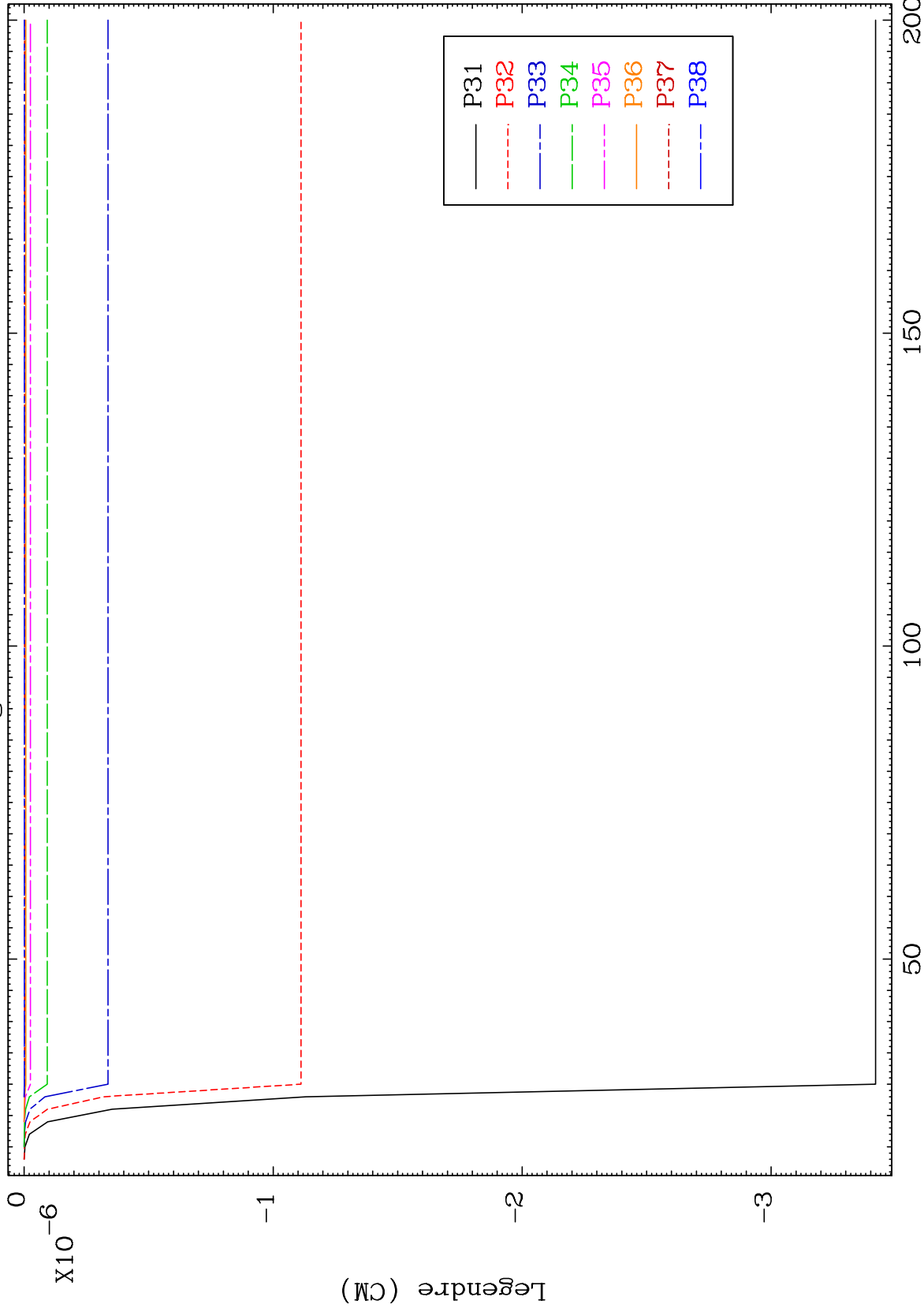
42

81-T1-197

MAT 8107

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

81-T1-197



43

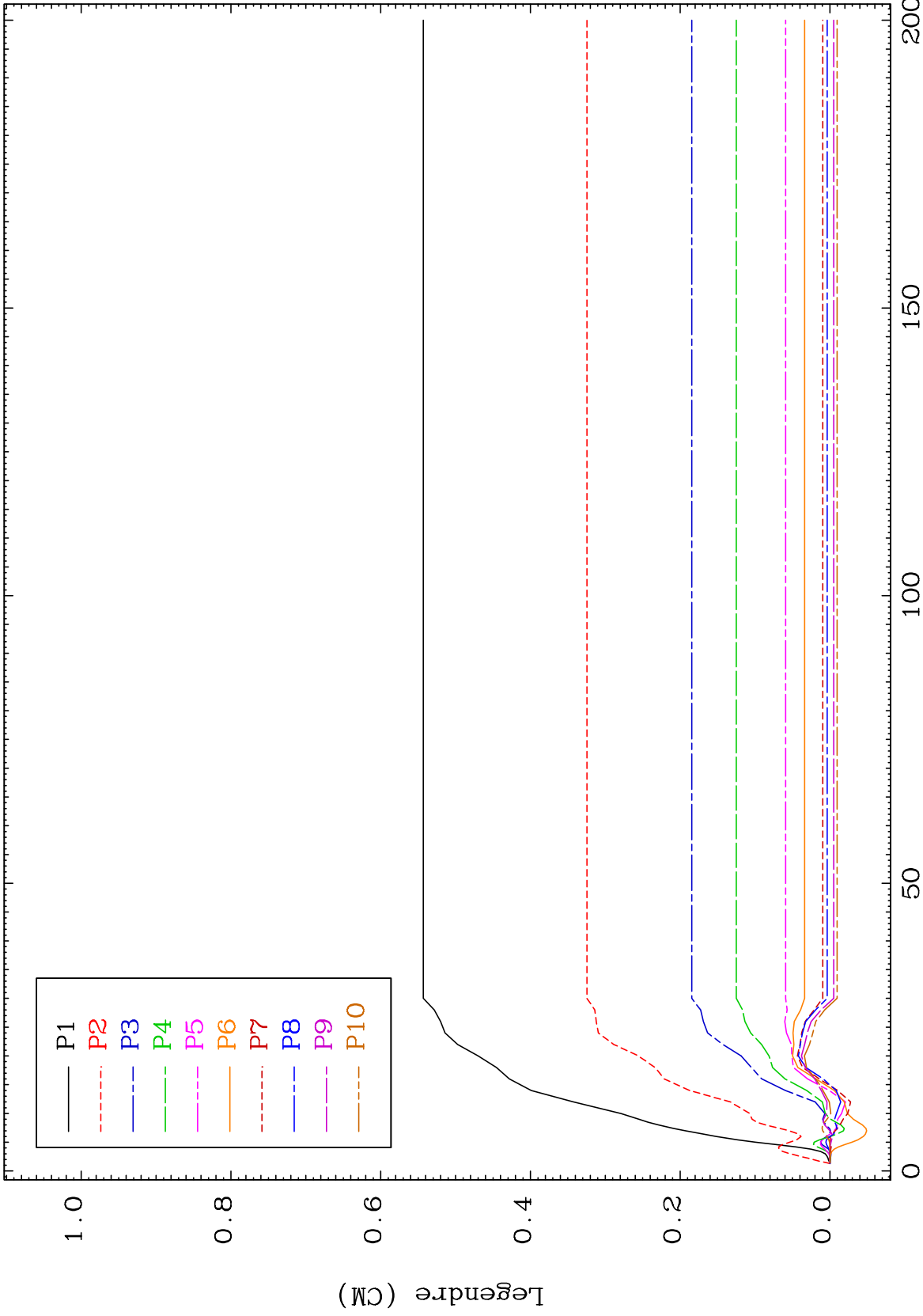
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



44

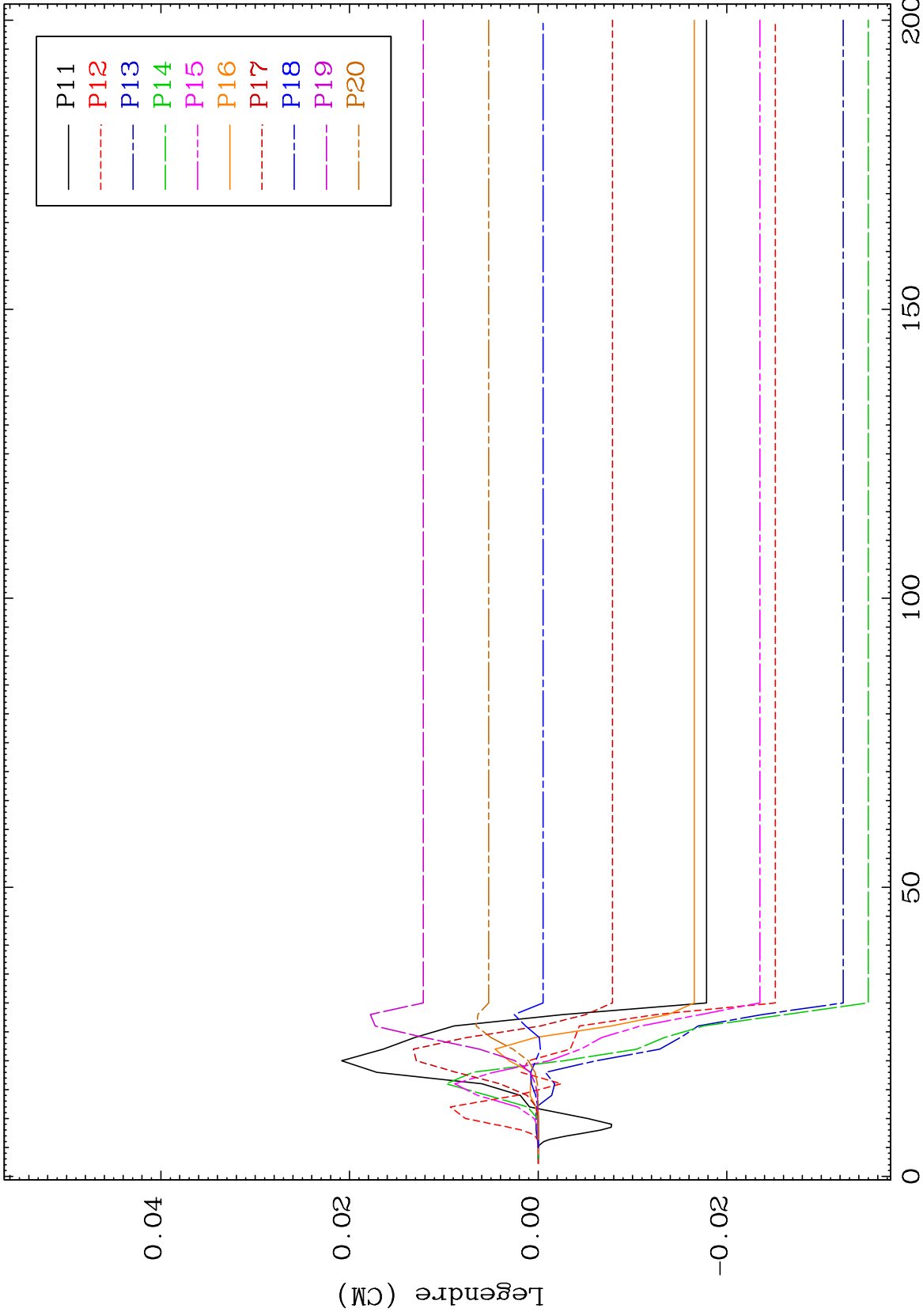
Incident Energy (MeV)

81-T1-197

MAT 8107

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

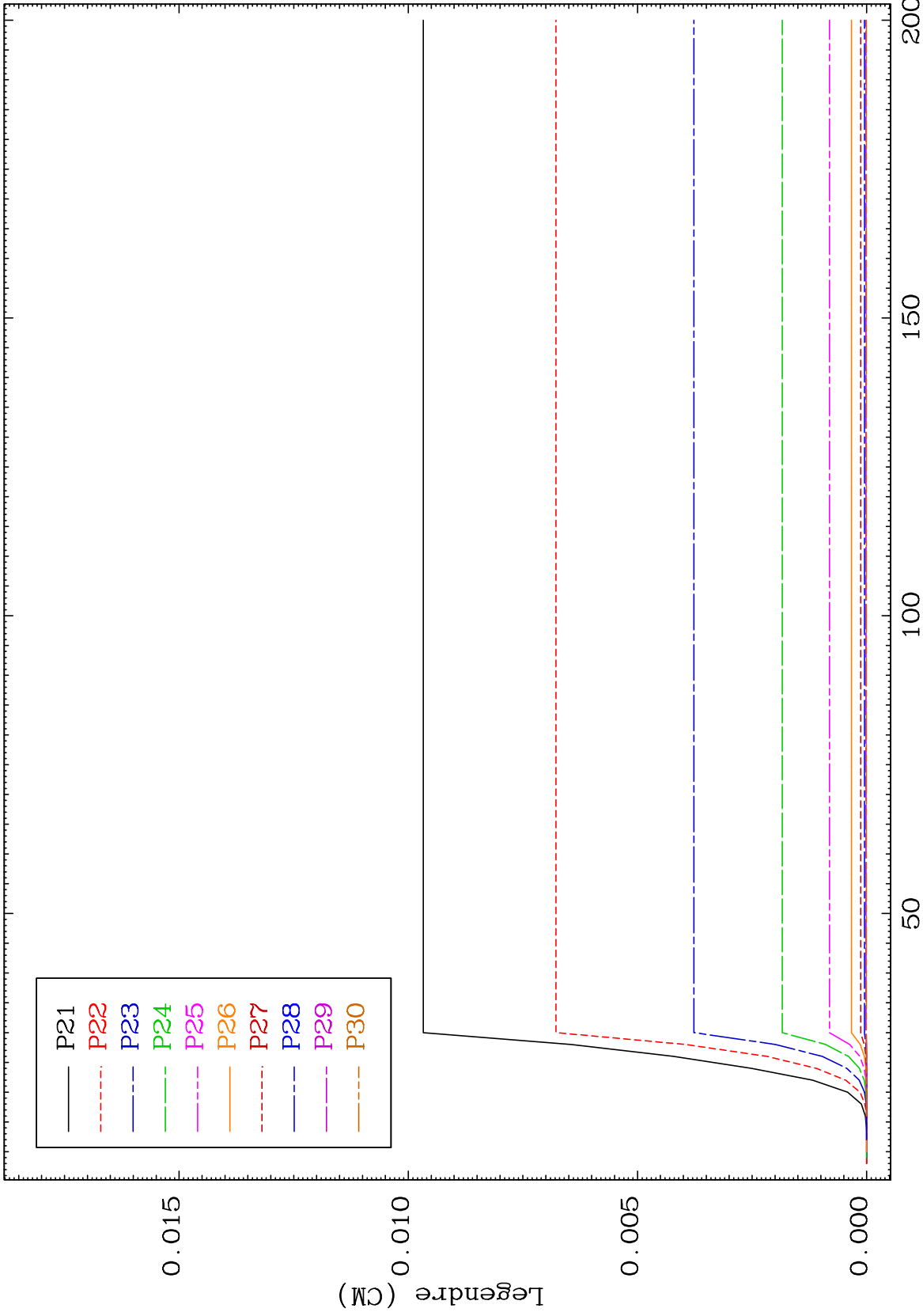
81-Tl-197



45

Incident Energy (MeV)

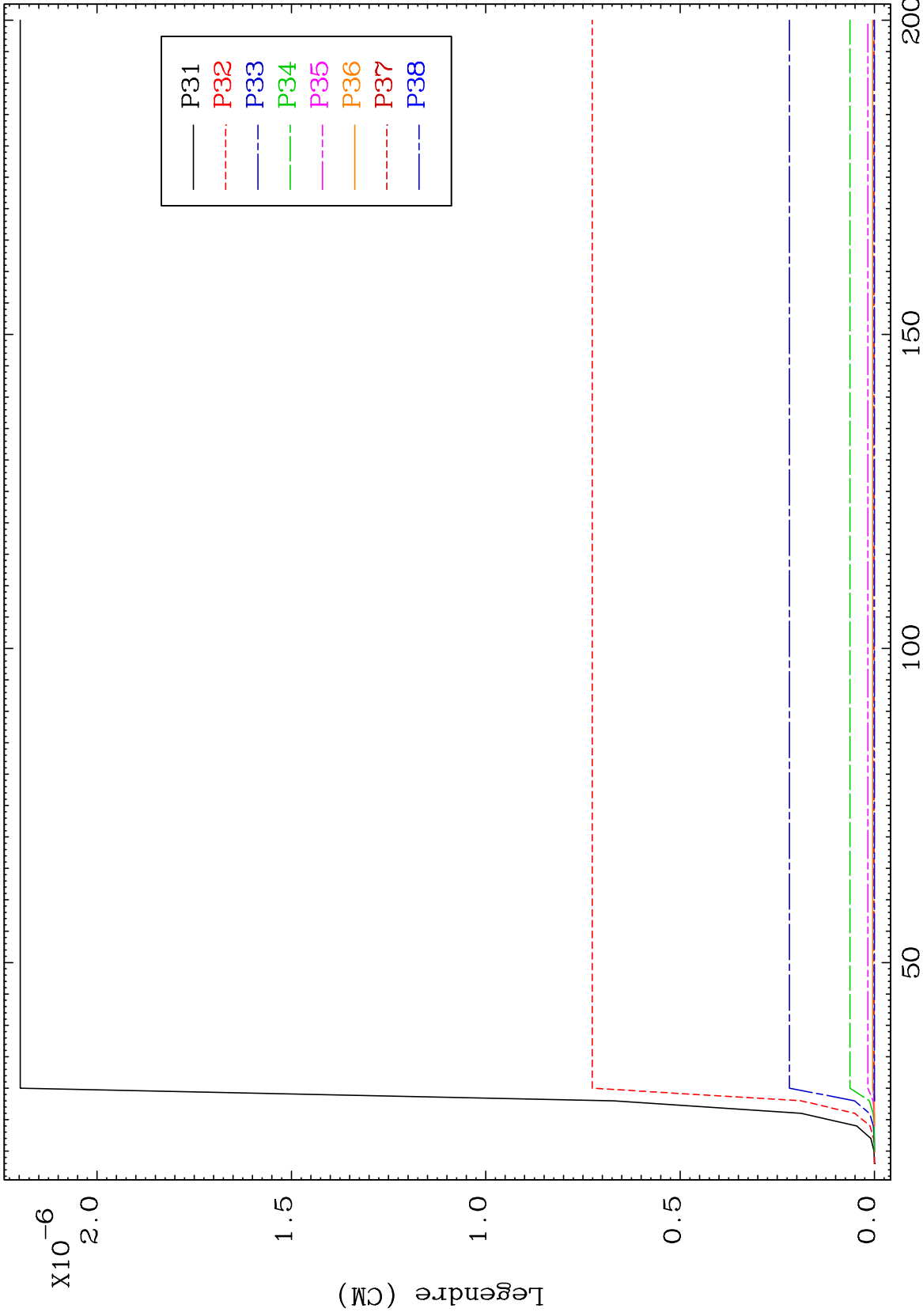
81-Tl-197



MAT 8107

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

81-T1-197



47

Incident Energy (MeV)

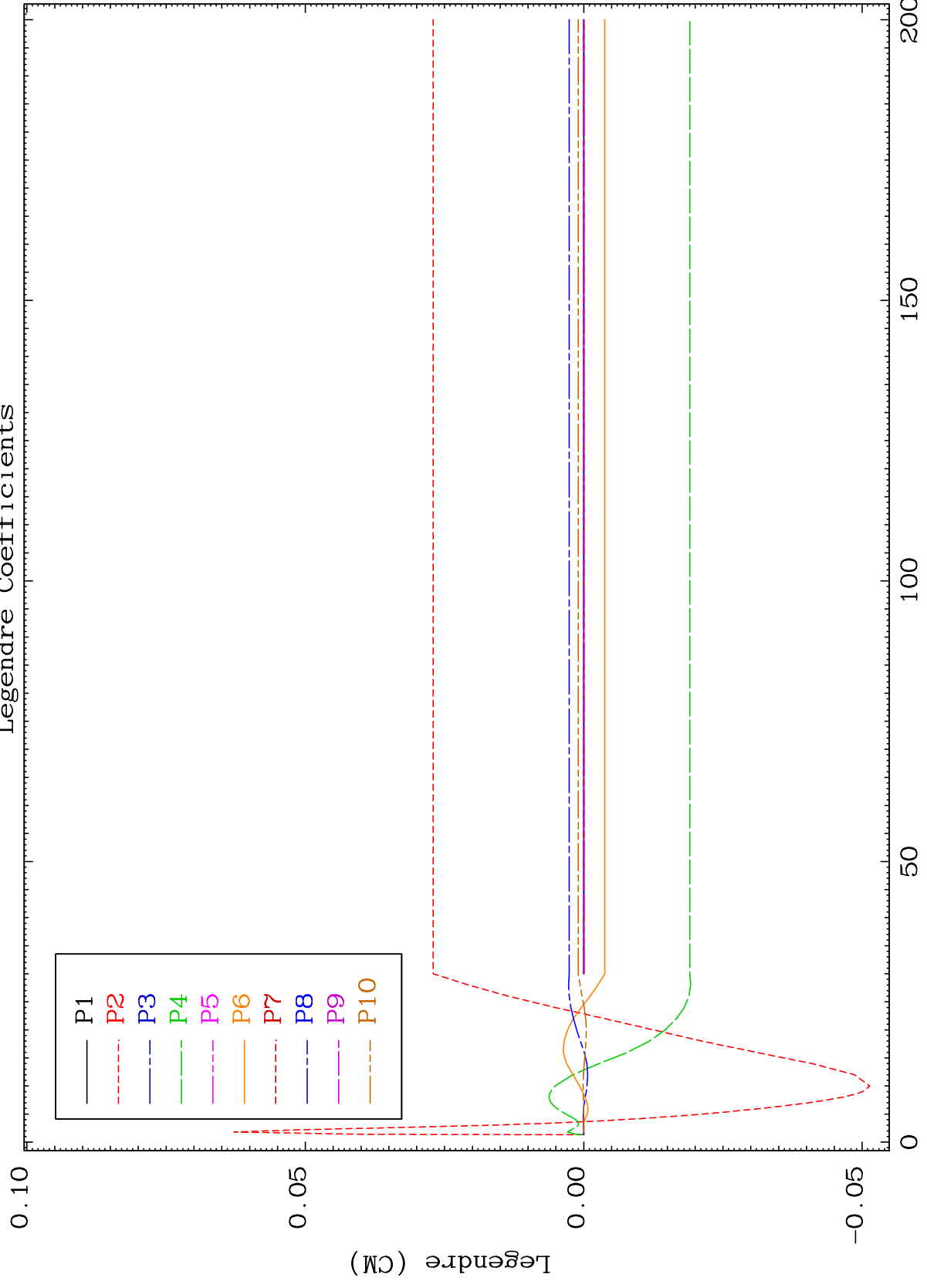
81-T1-197



MAT 8107

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

81-T1-197



48

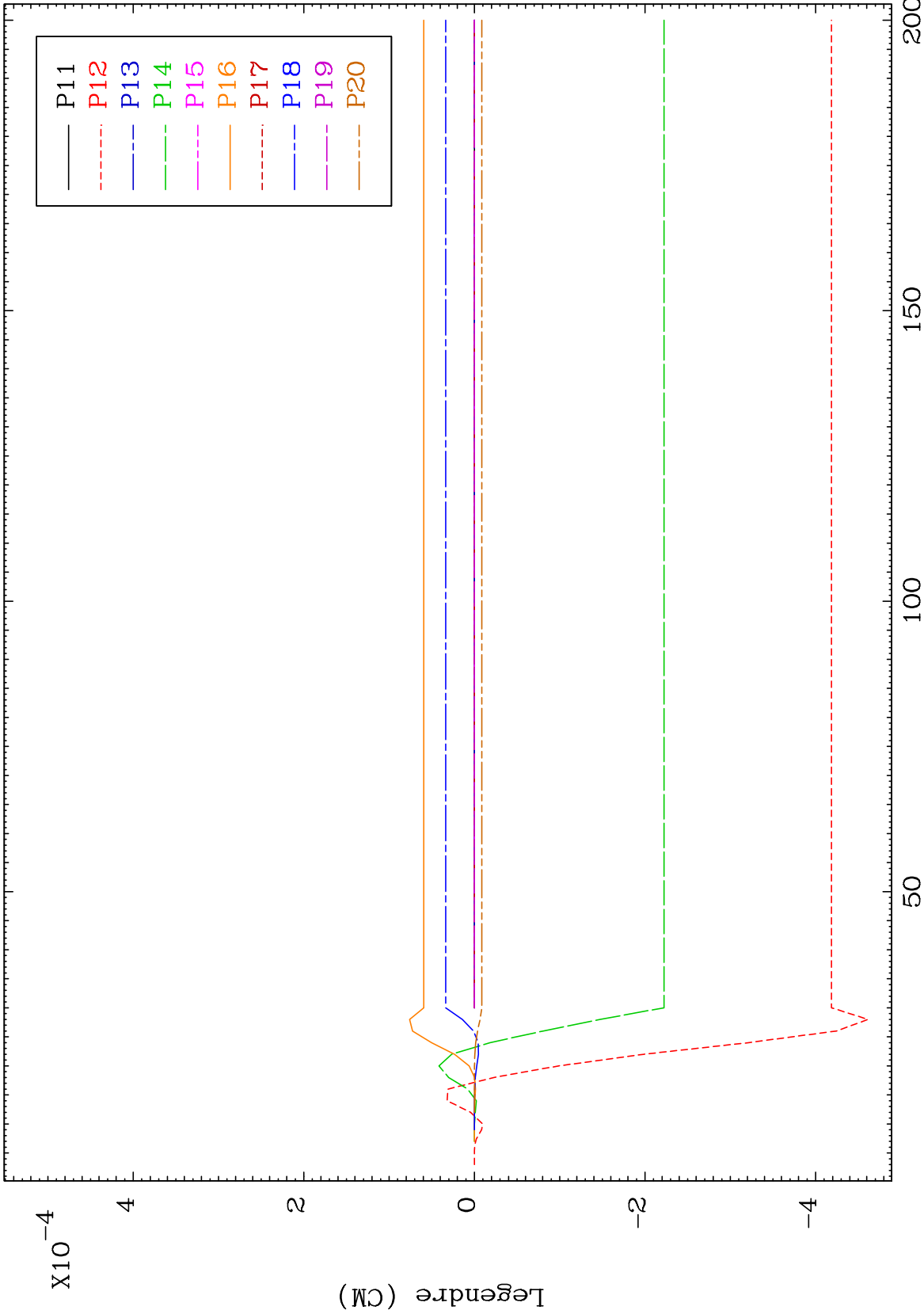
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



49

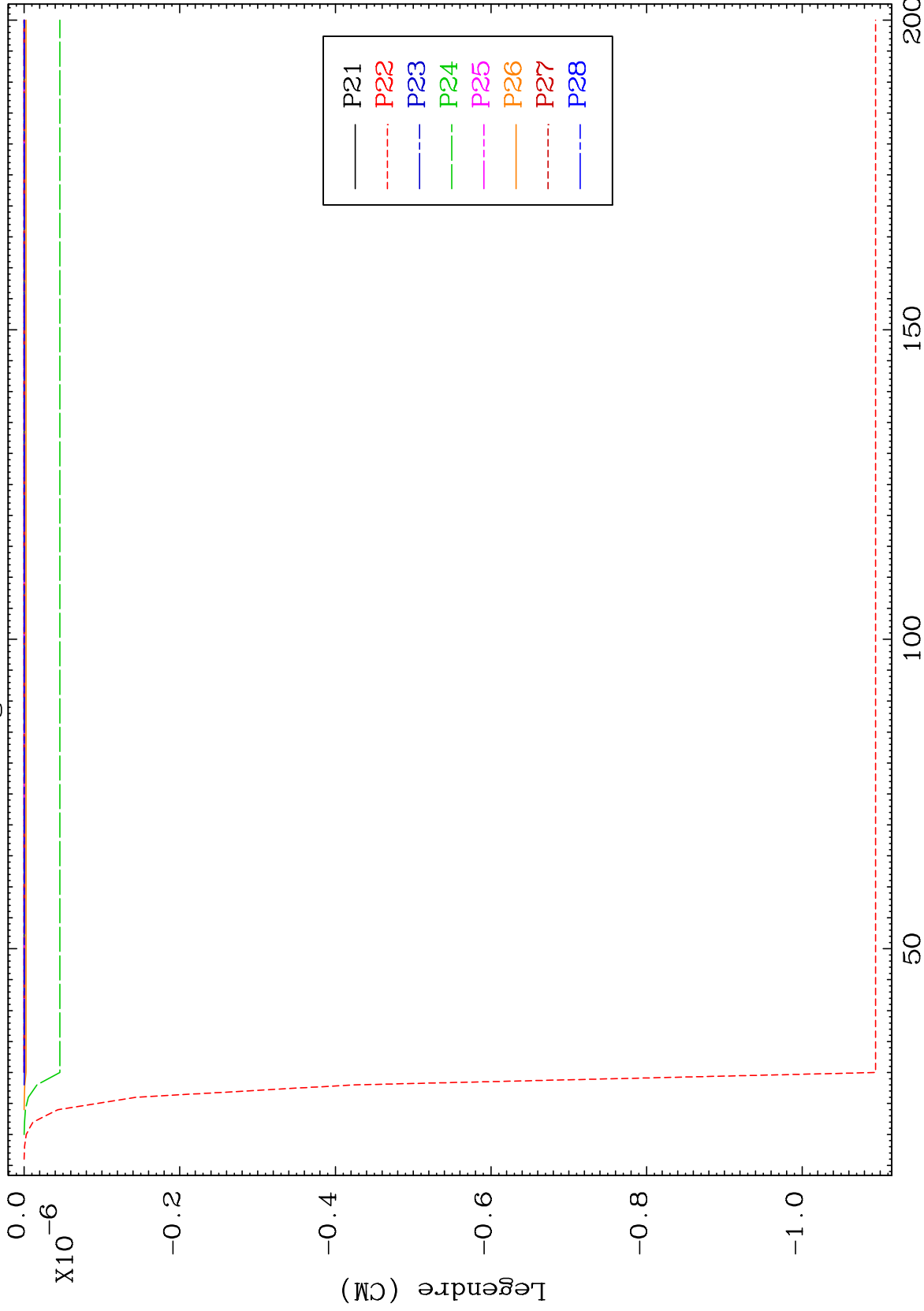
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



50

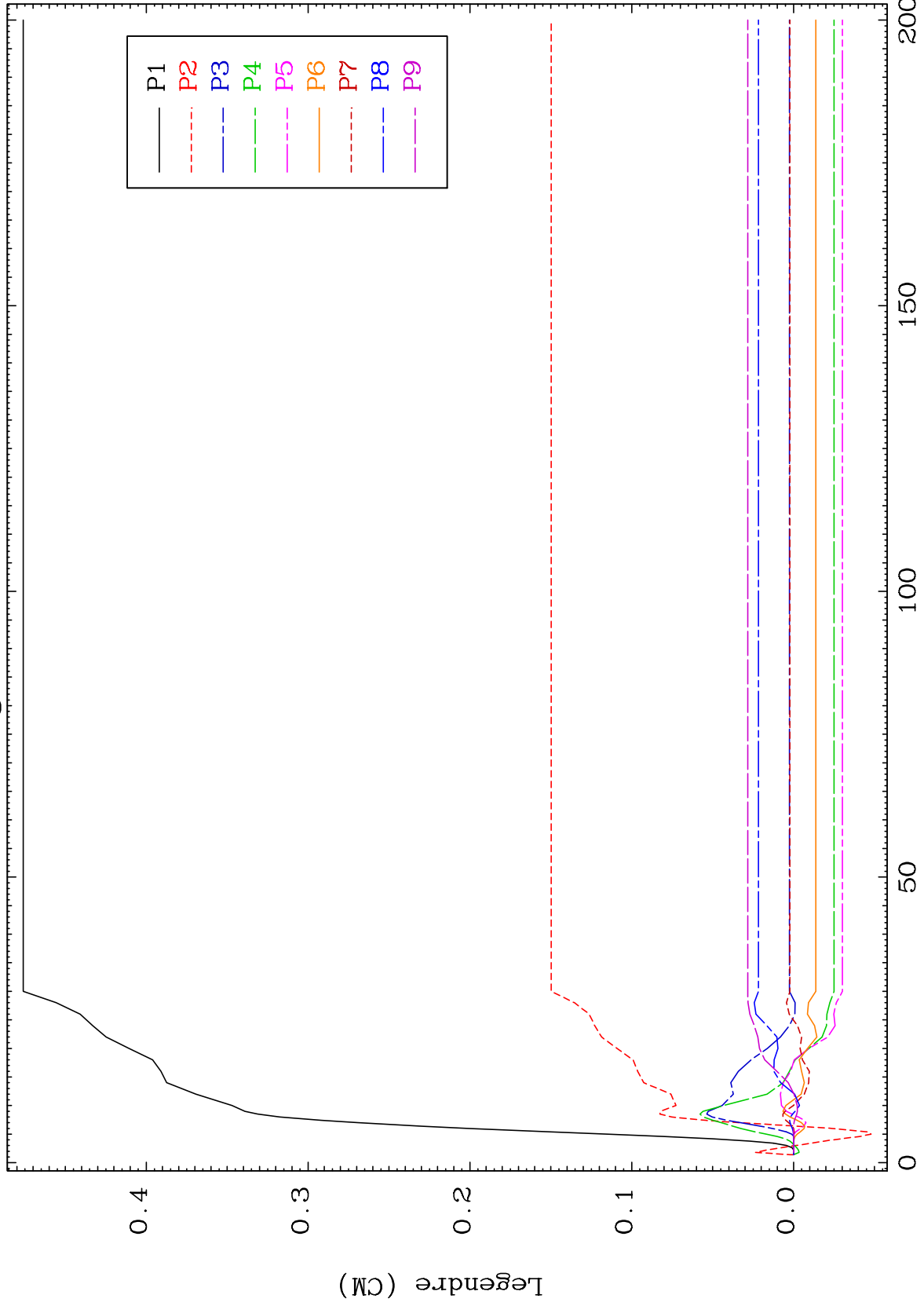
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



51

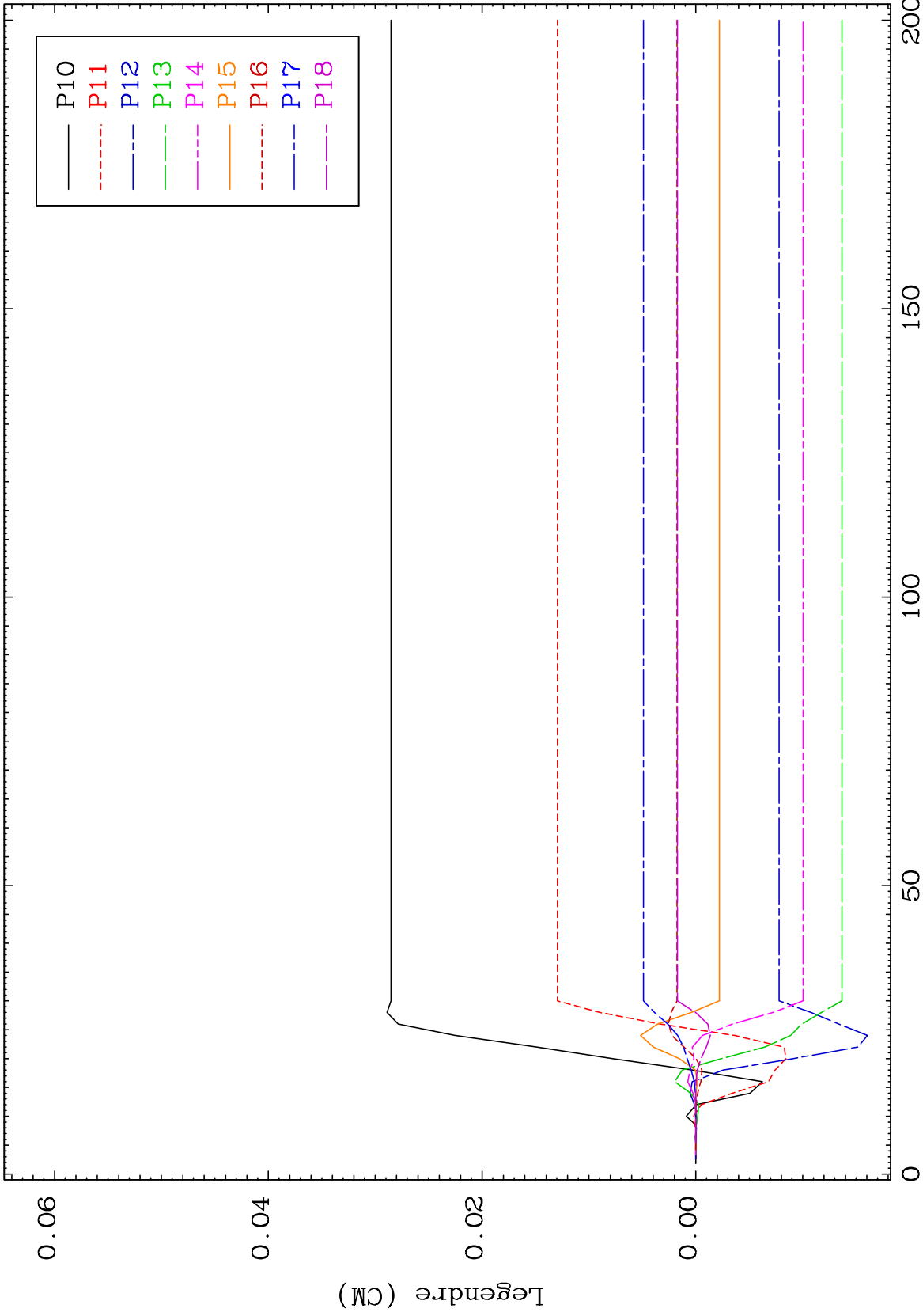
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



52

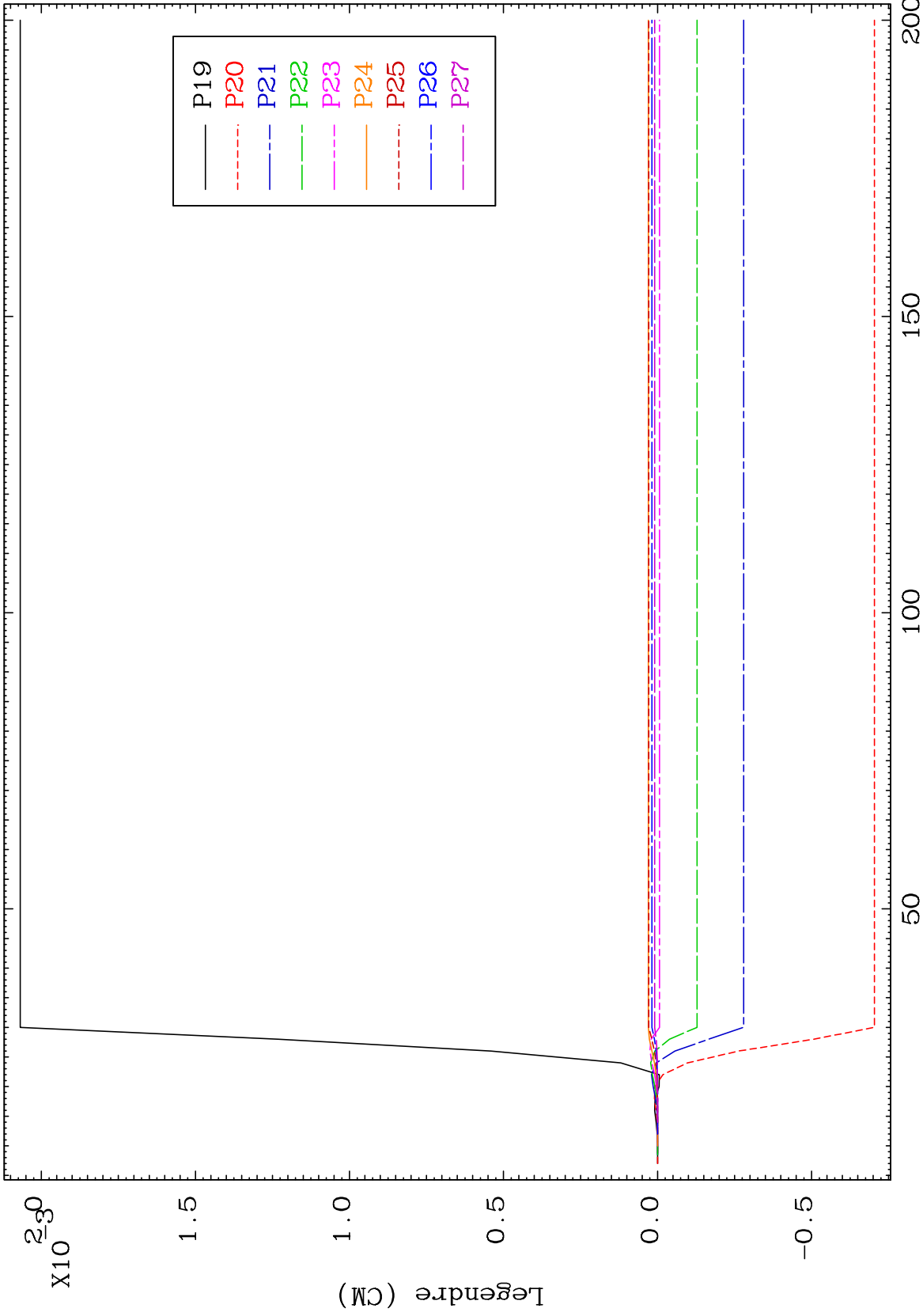
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



53

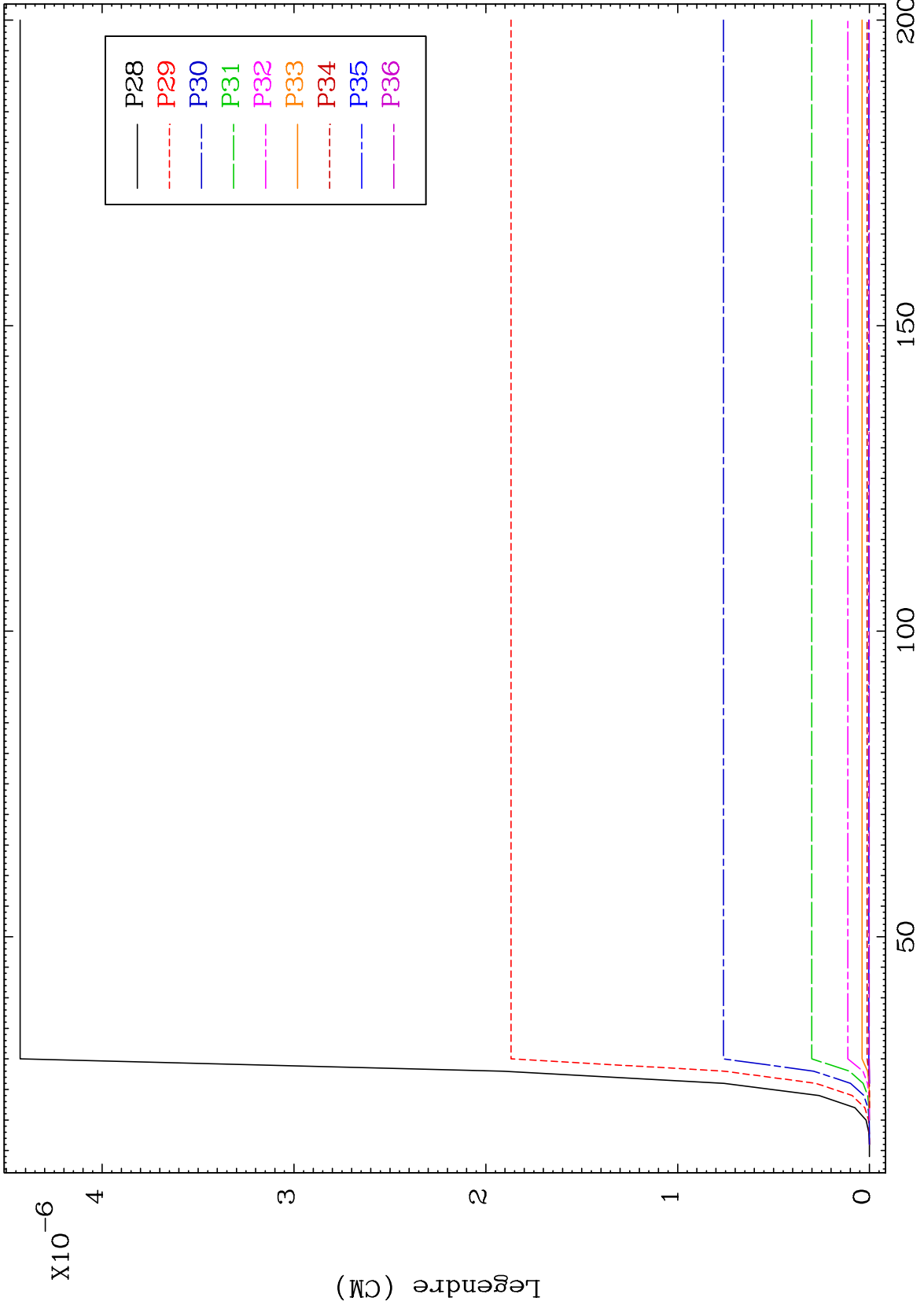
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



54

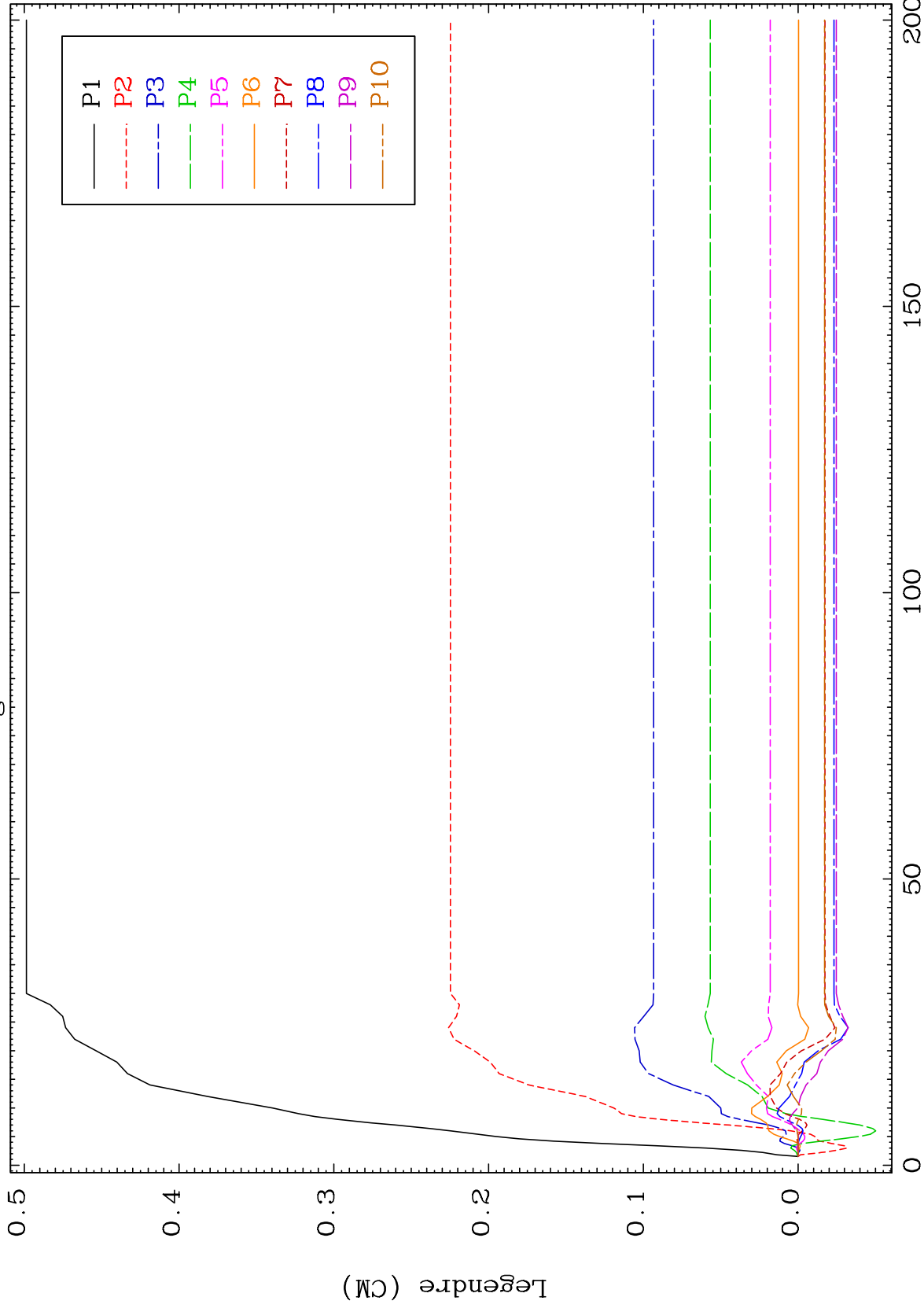
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



55

Incident Energy (MeV)

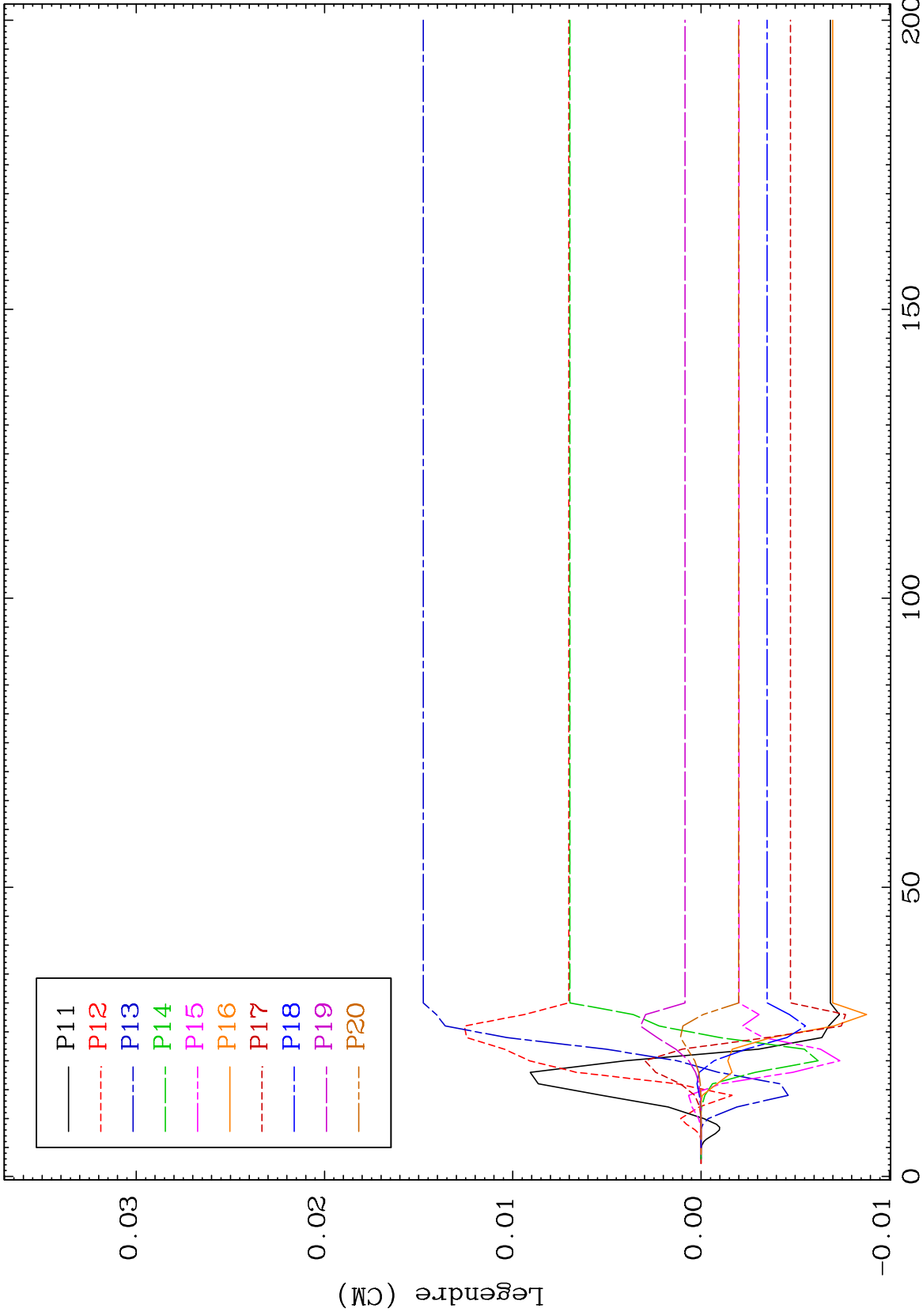
81-T1-197



MAT 8107

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

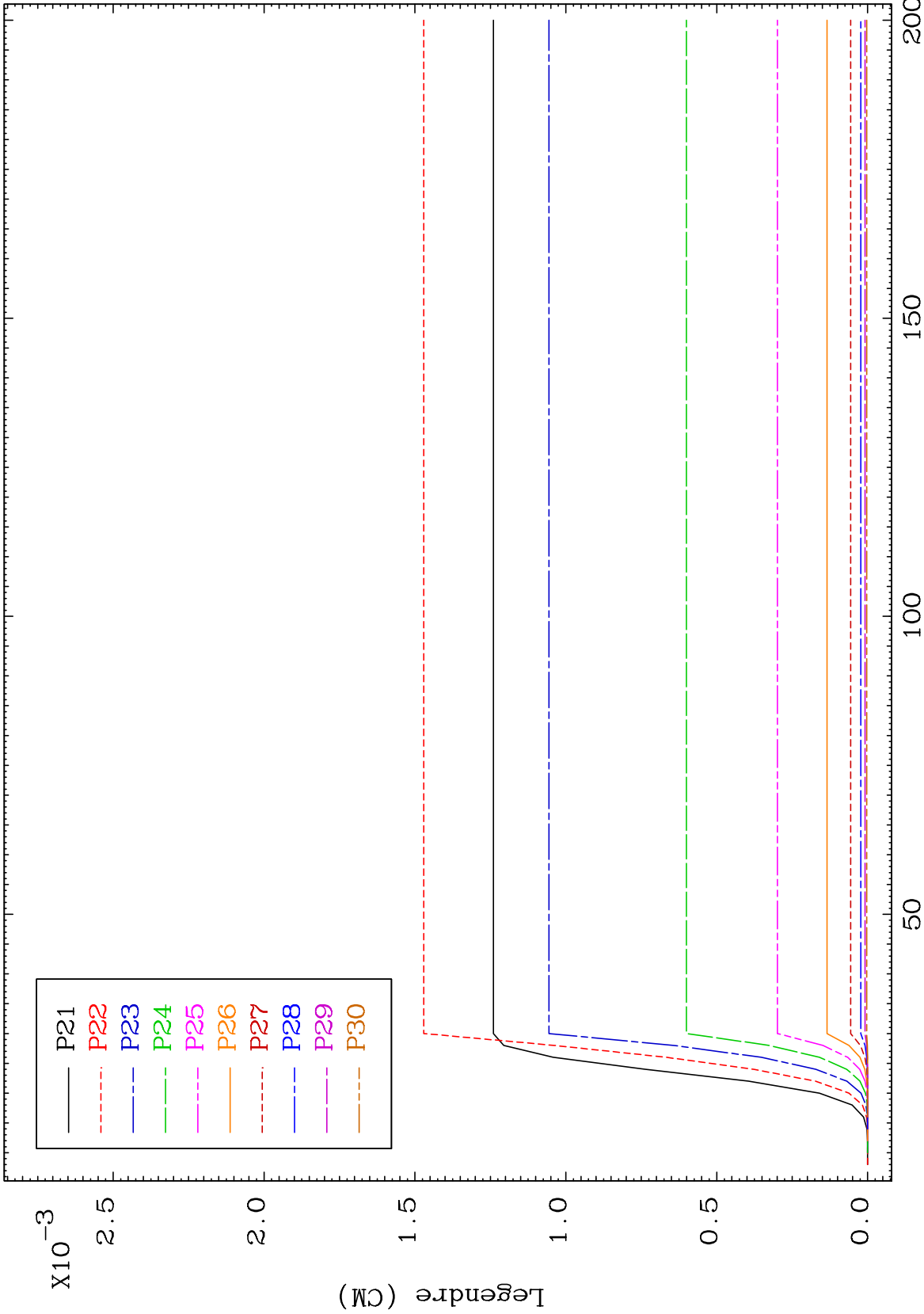
81-T1-197



56

Incident Energy (MeV)

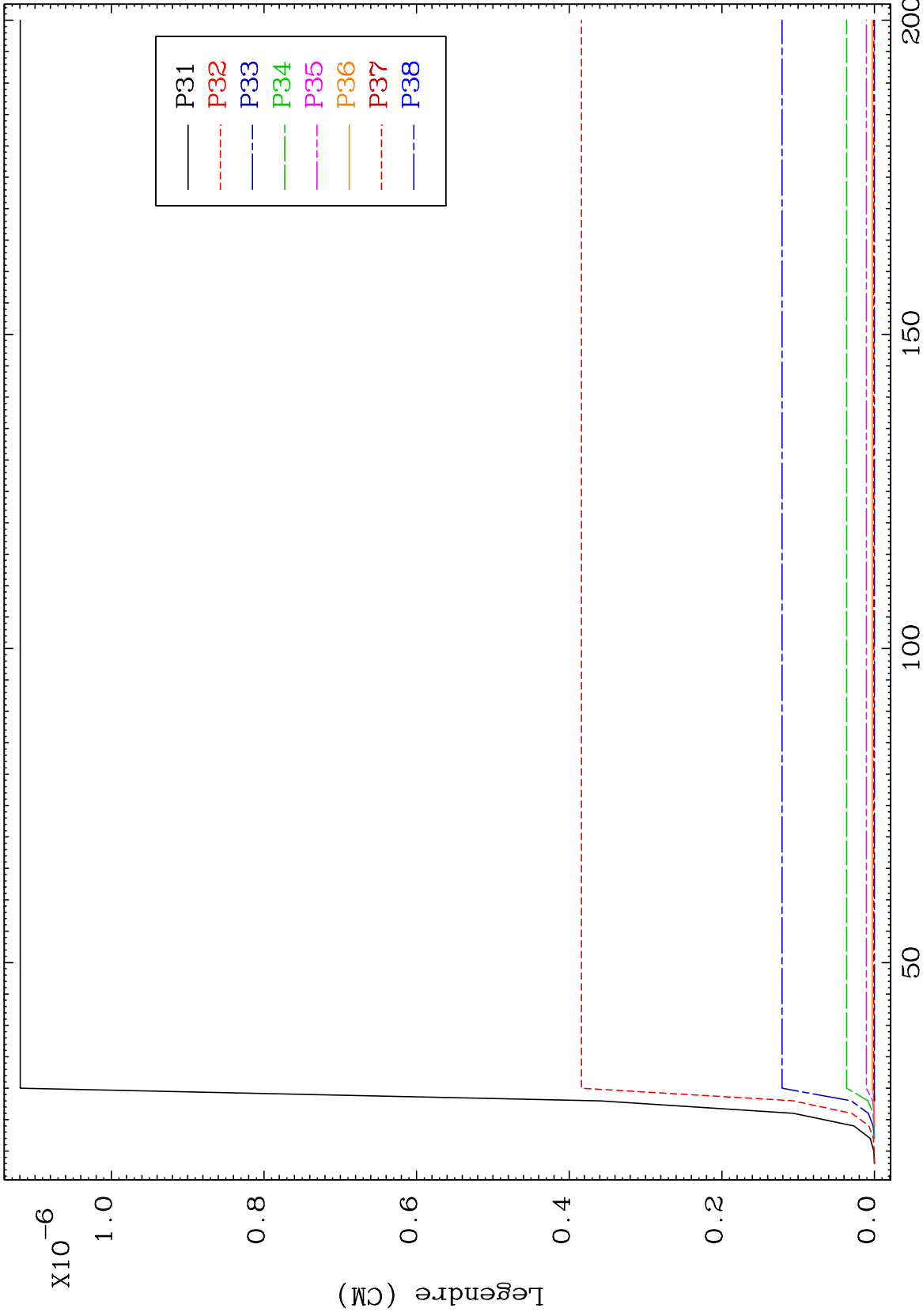
81-T1-197



MAT 8107

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

81-T1-197



58

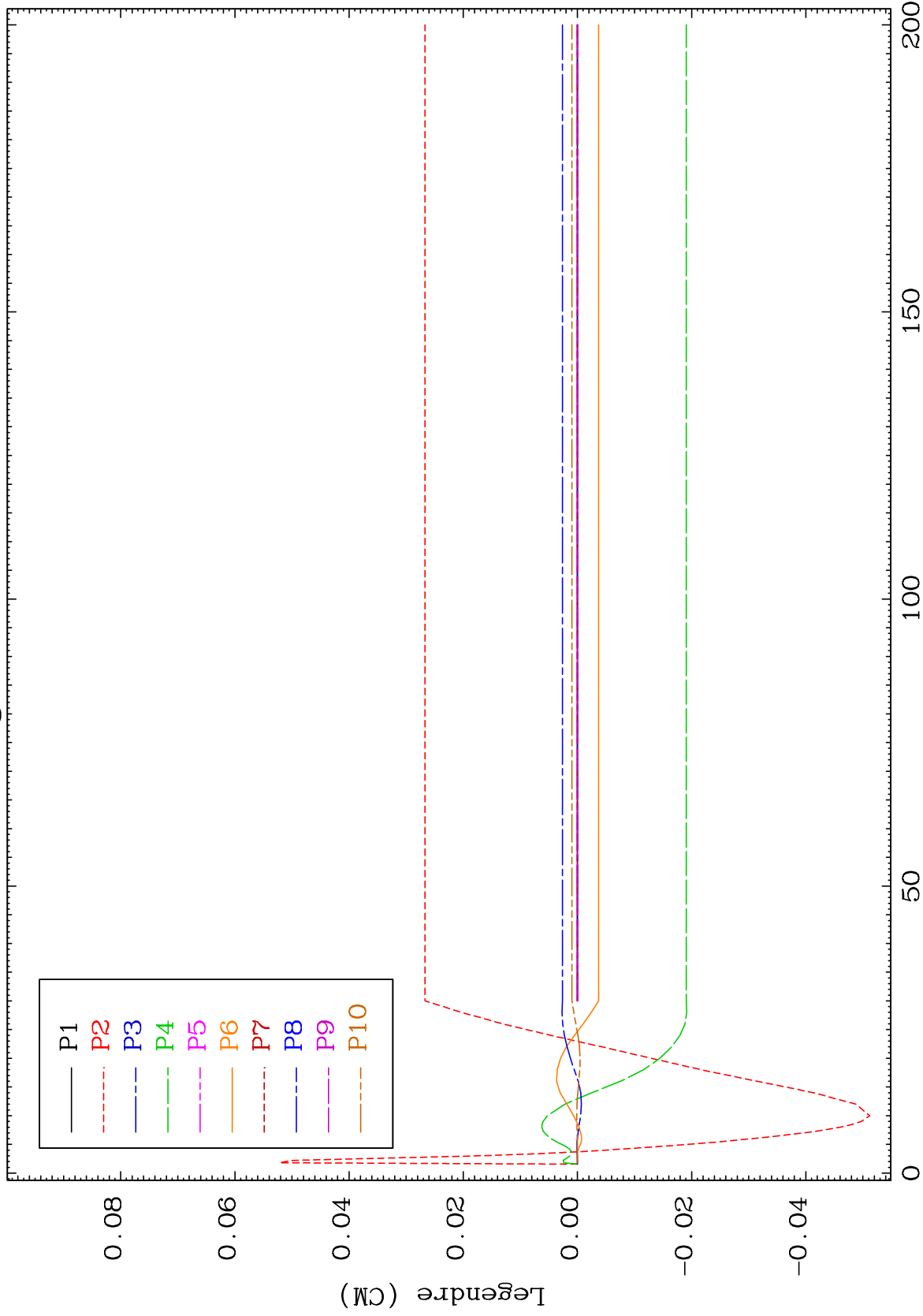
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



59

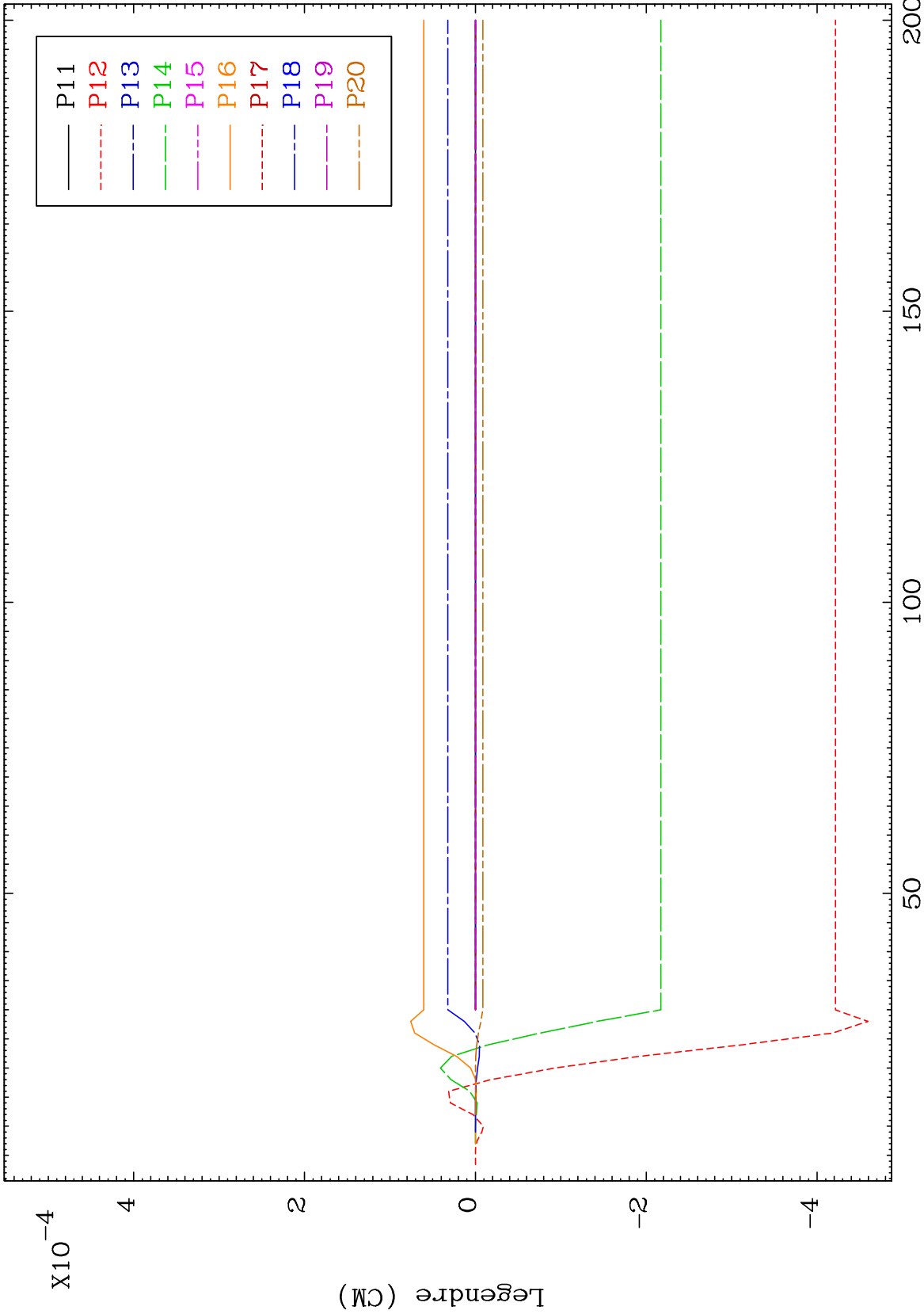
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



60

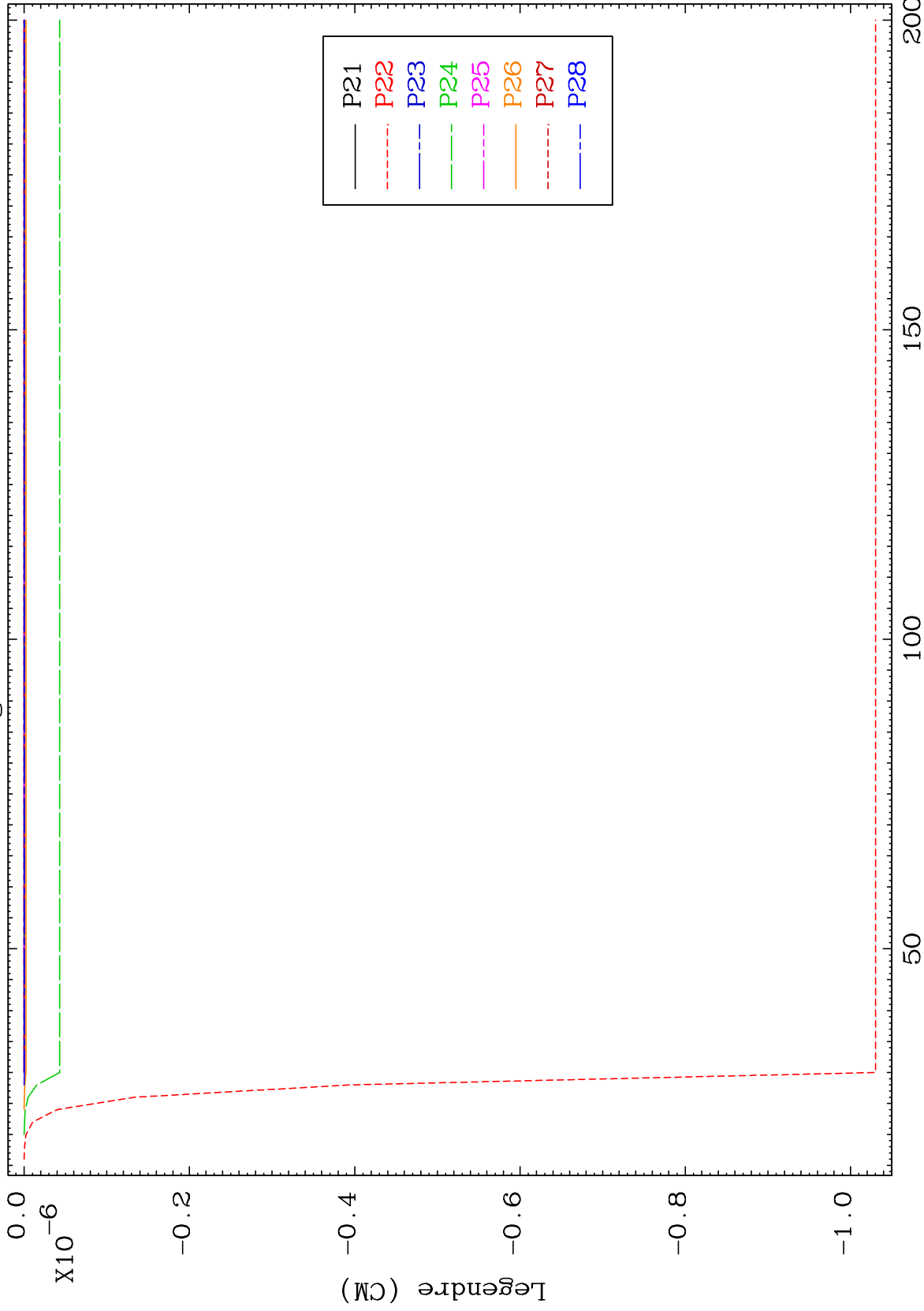
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



61

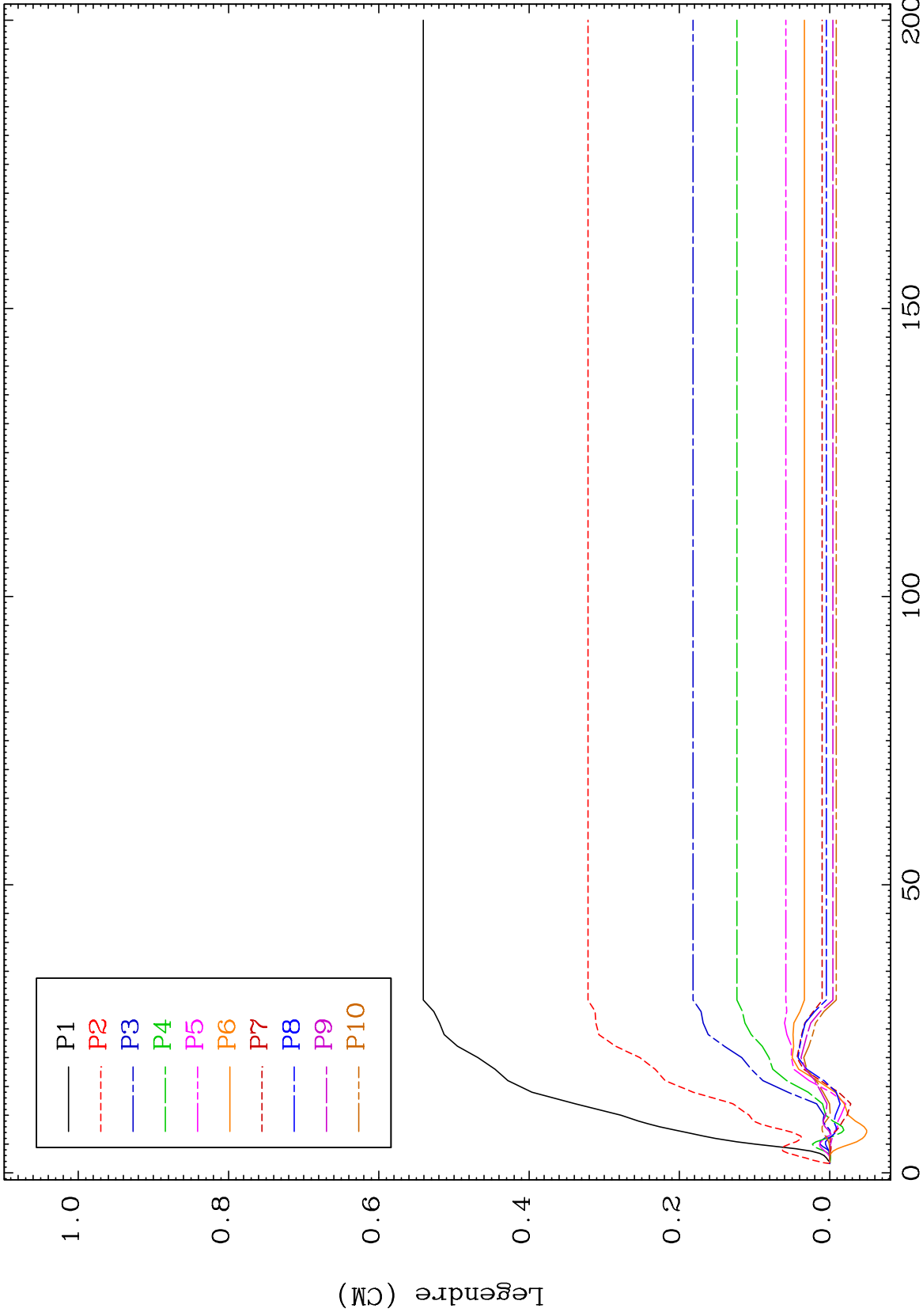
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



62

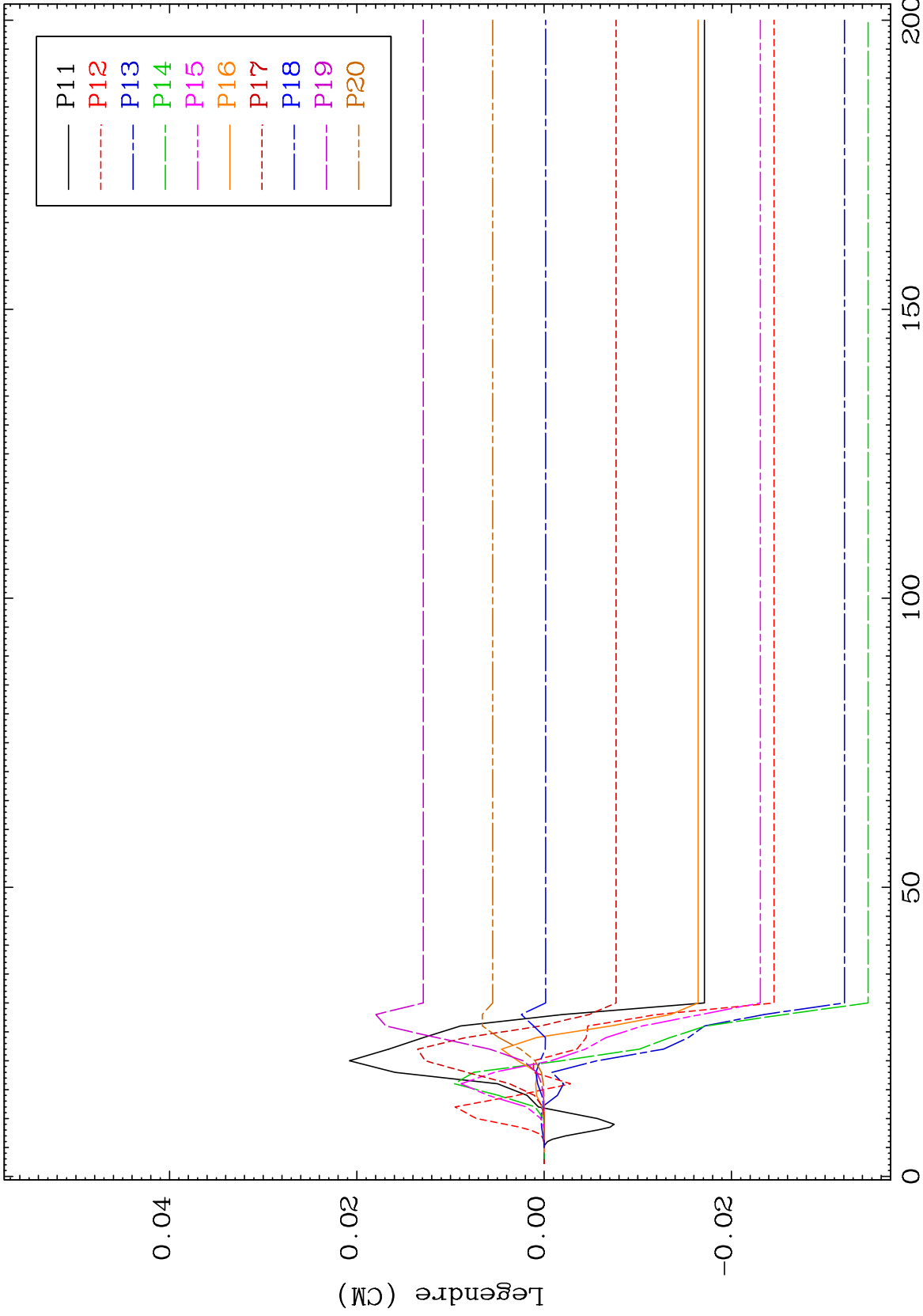
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



63

Incident Energy (MeV)

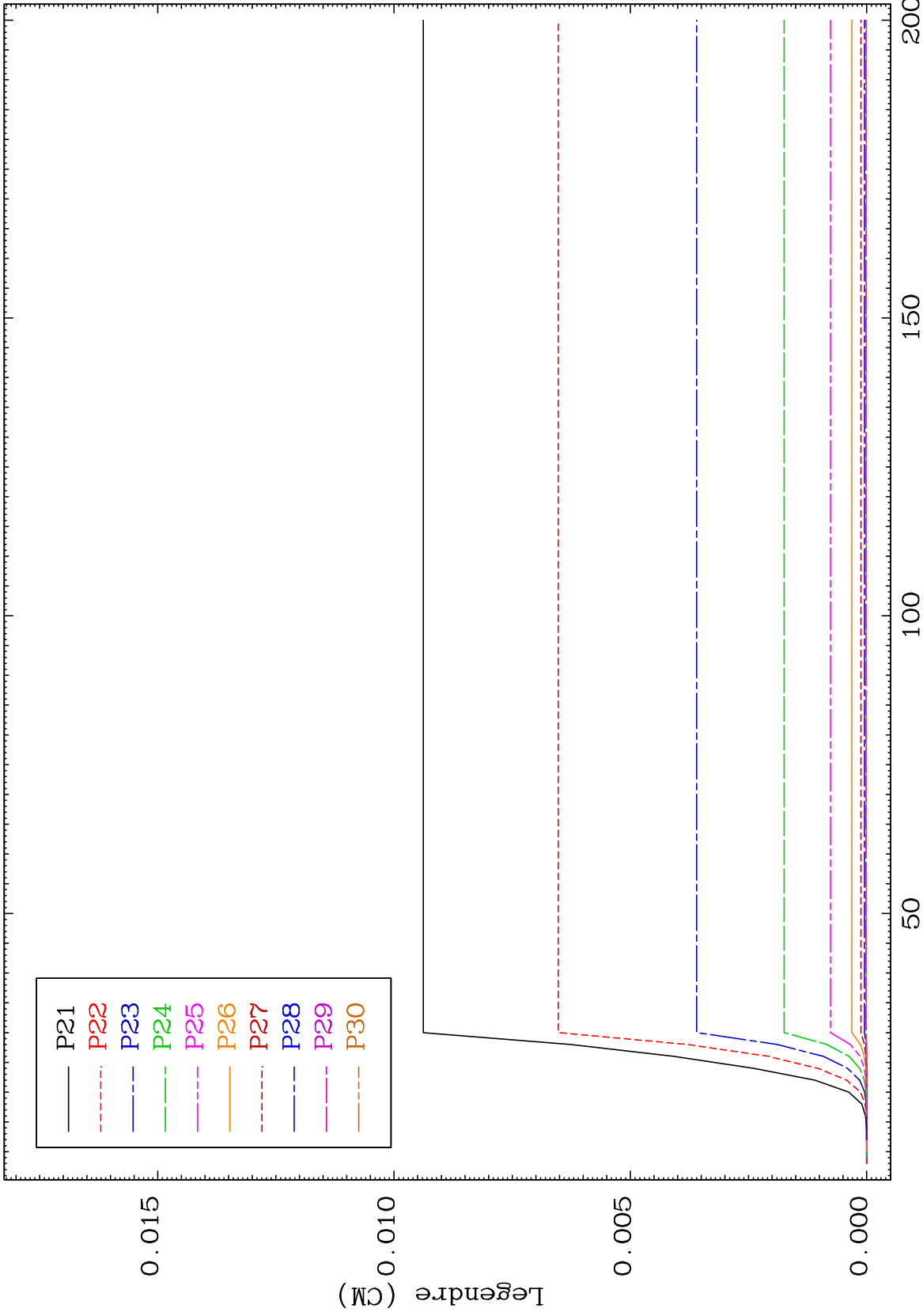
81-T1-197



MAT 8107

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

81-T1-197



64

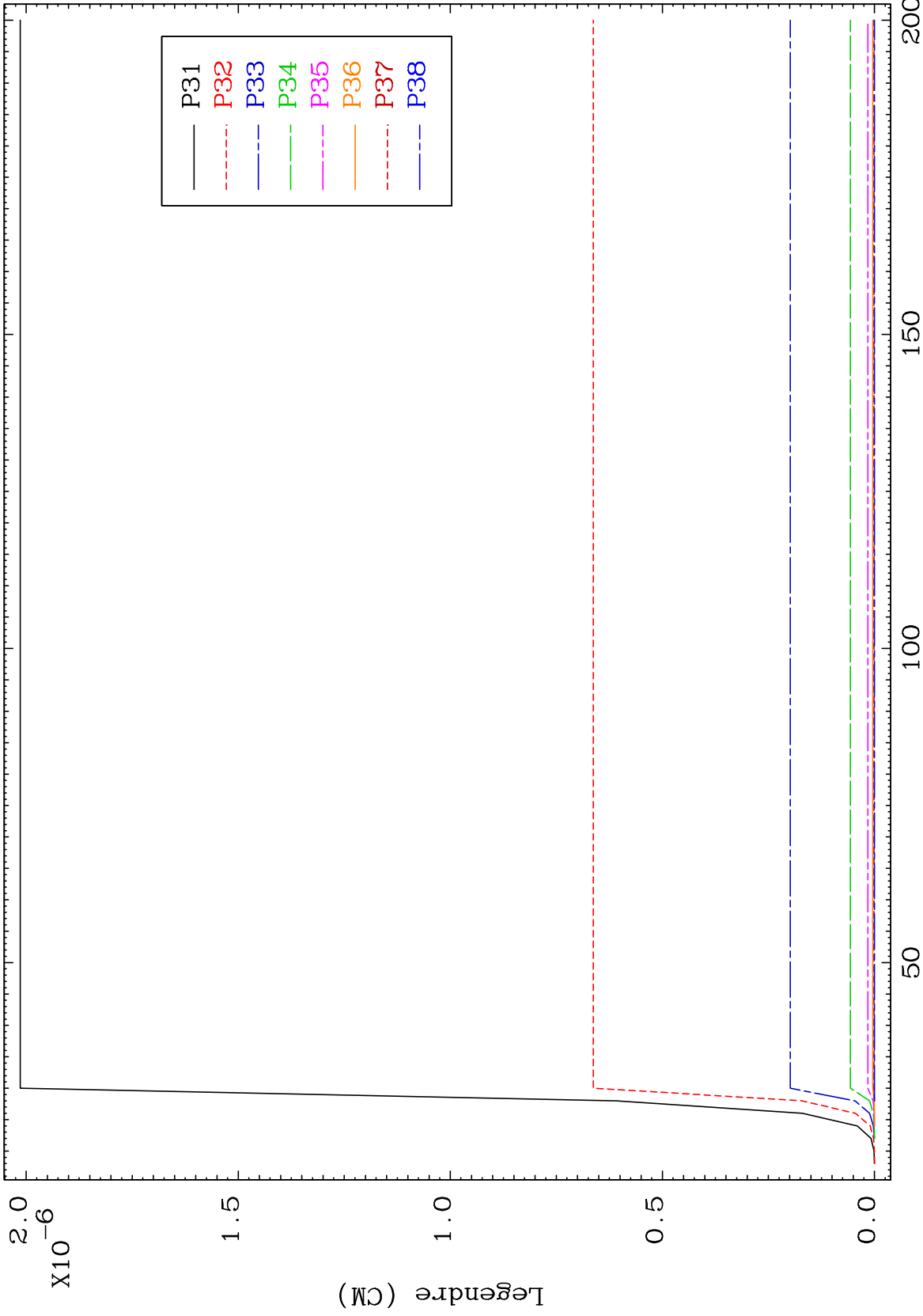
Incident Energy (MeV)

81-T1-197

MAT 8107

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

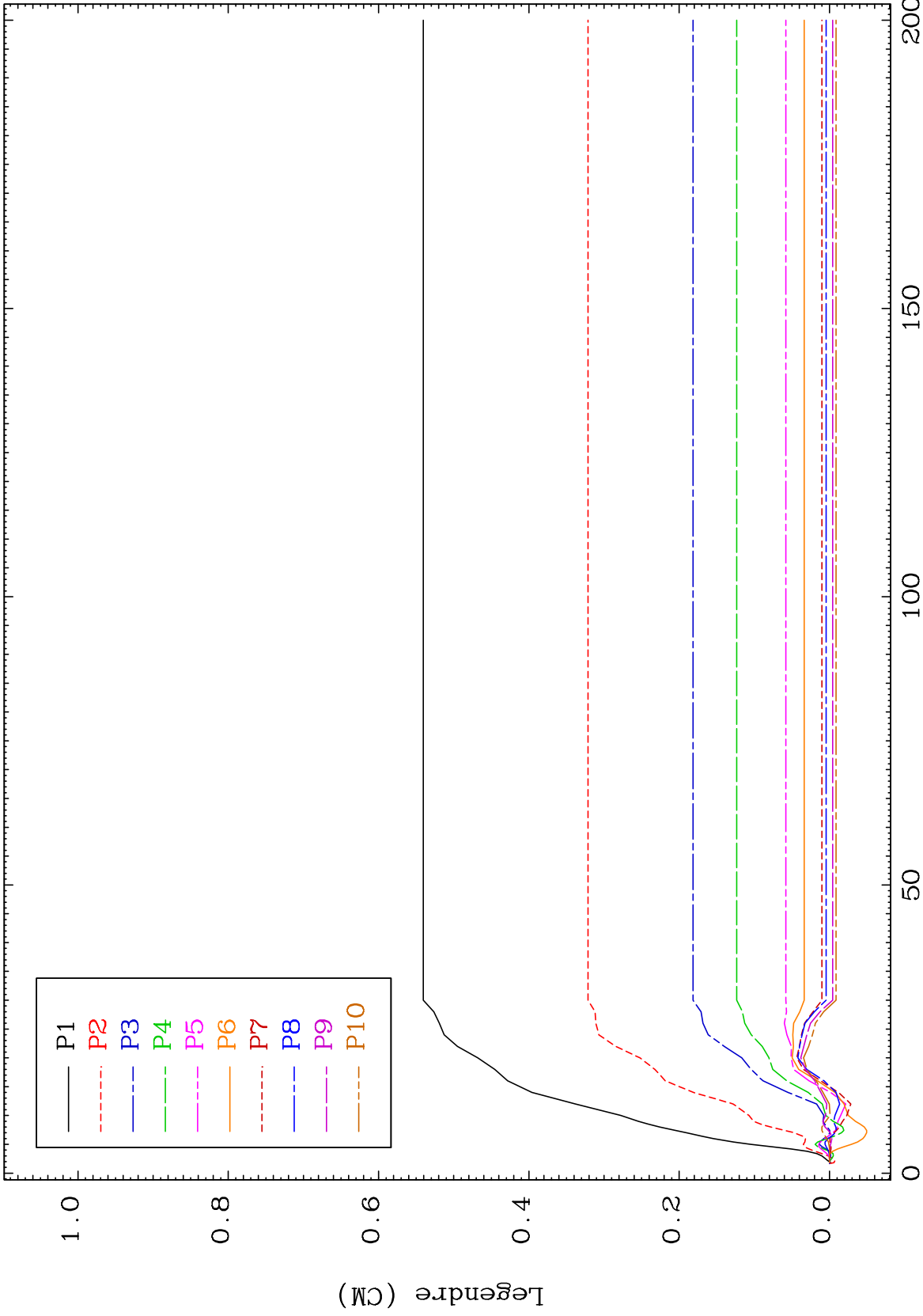
81-T1-197



65

Incident Energy (MeV)

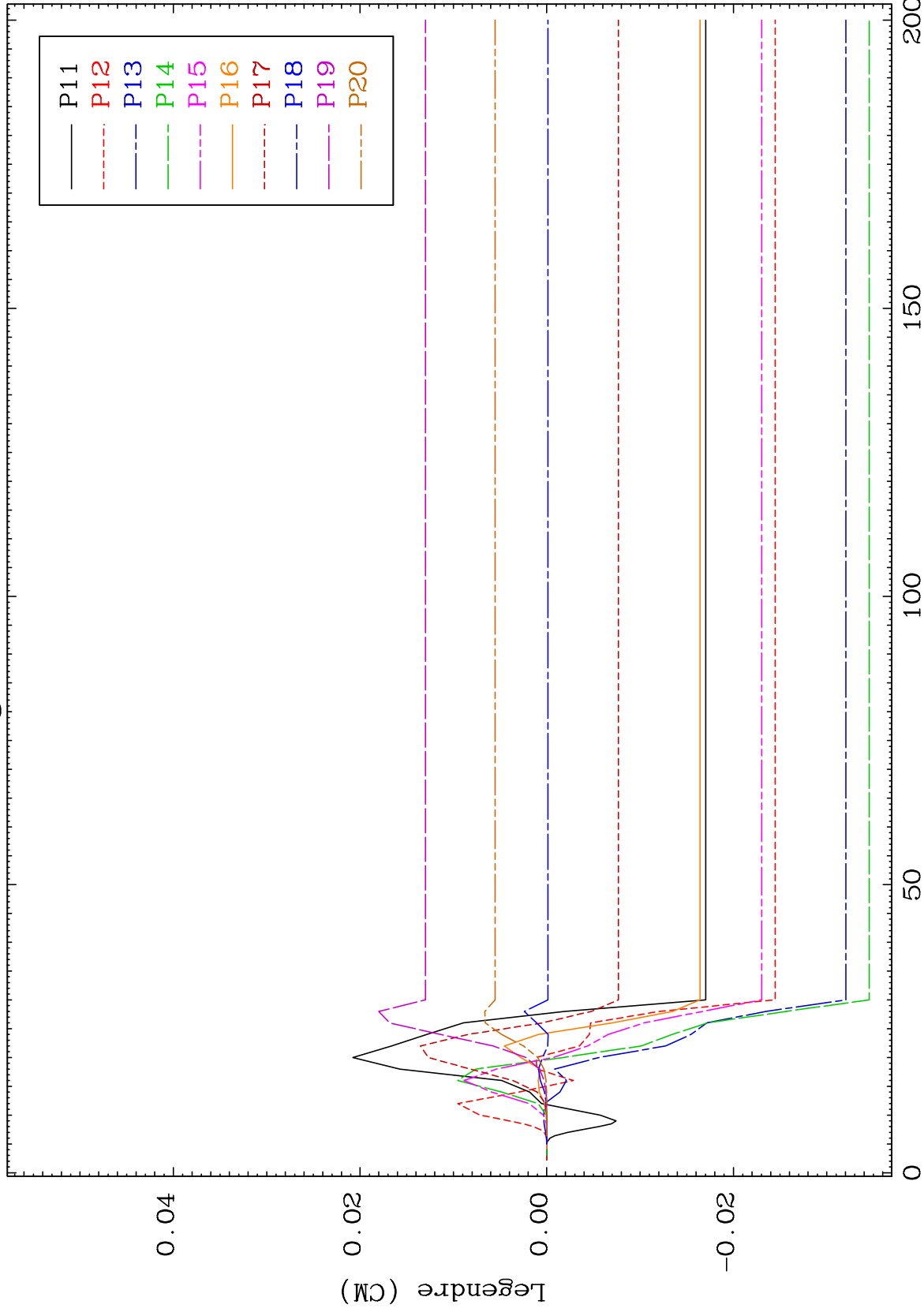
81-T1-197



MAT 8107

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

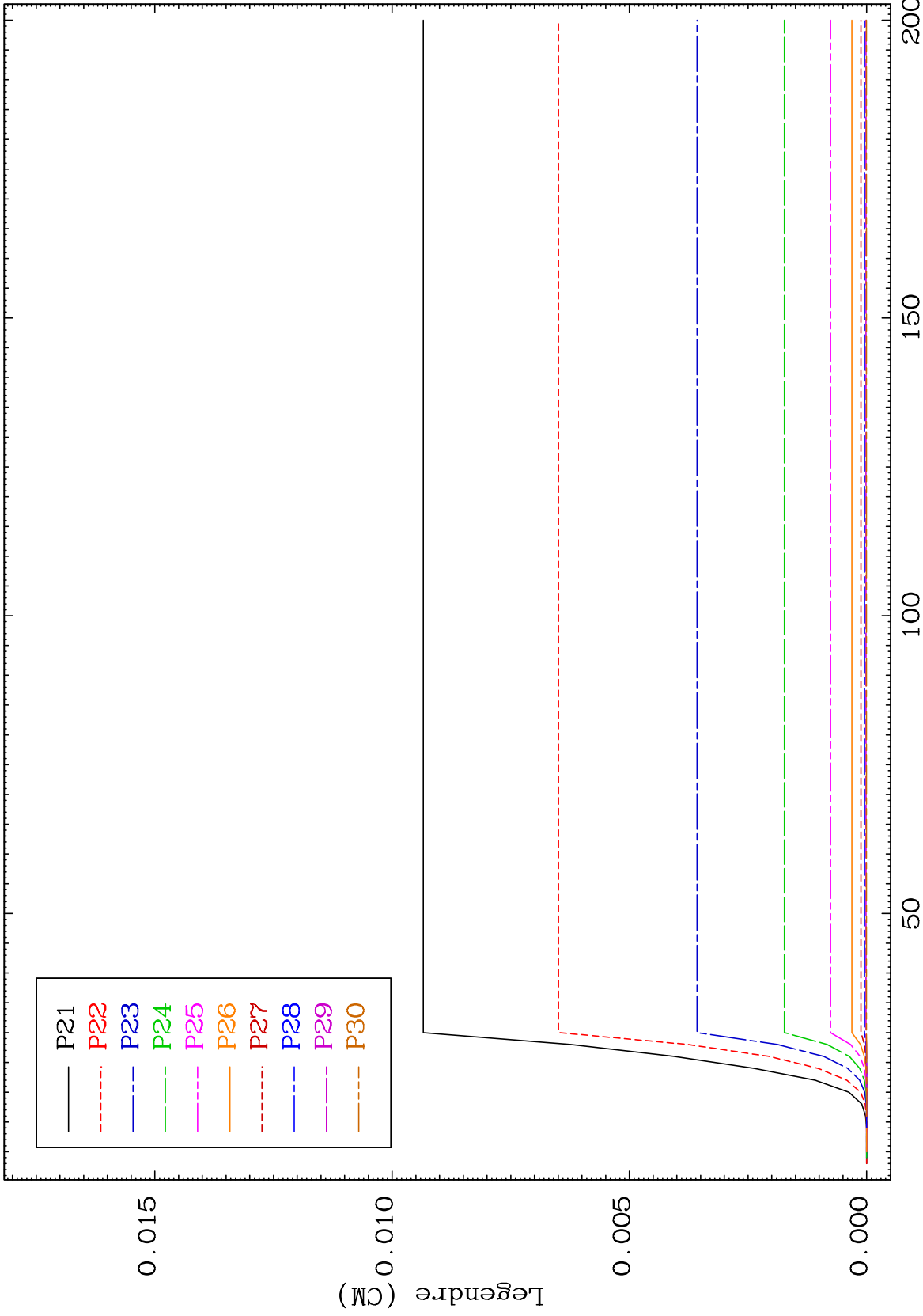
81-T1-197



67

Incident Energy (MeV)

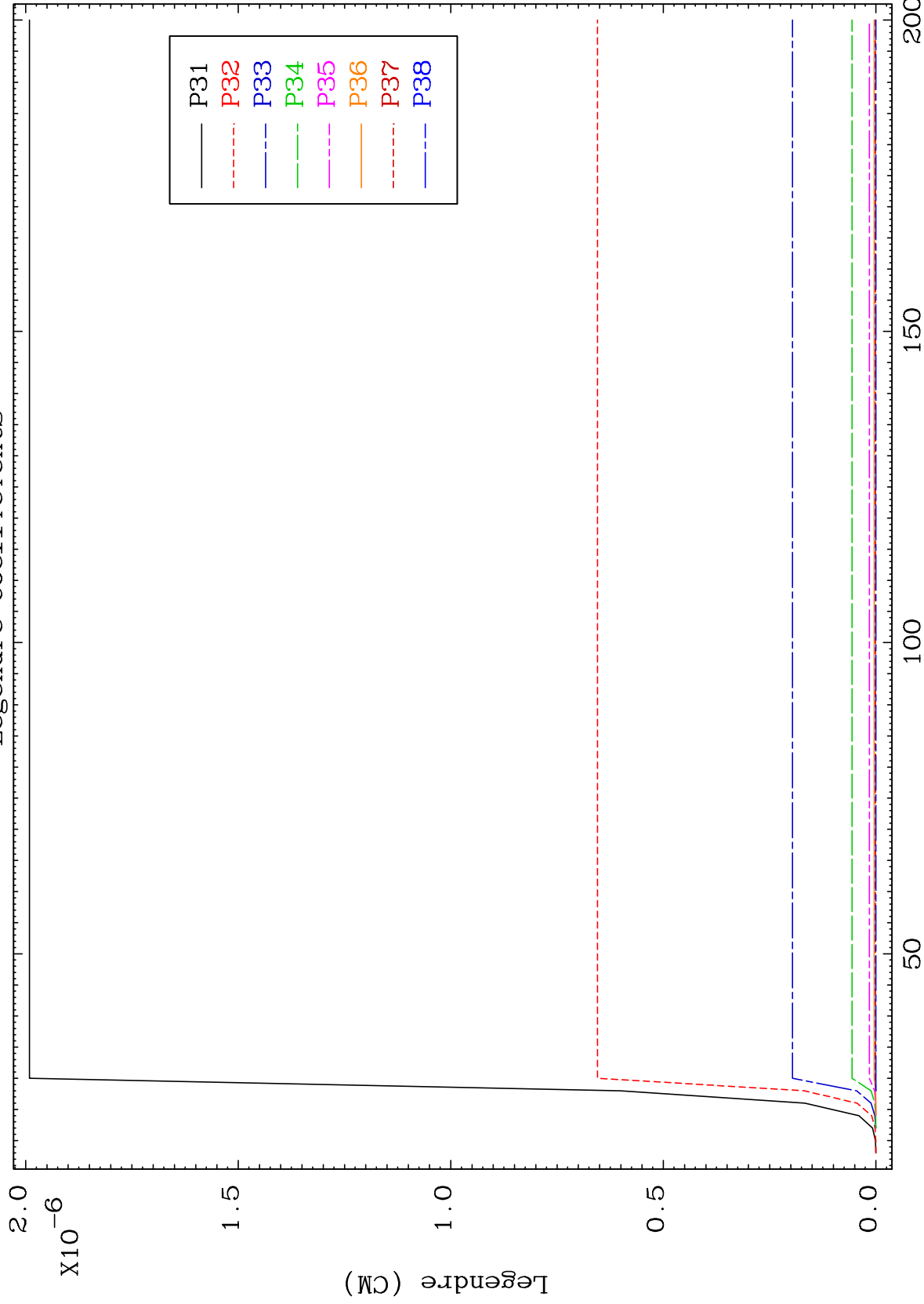
81-T1-197



MAT 8107

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

81-T1-197



69

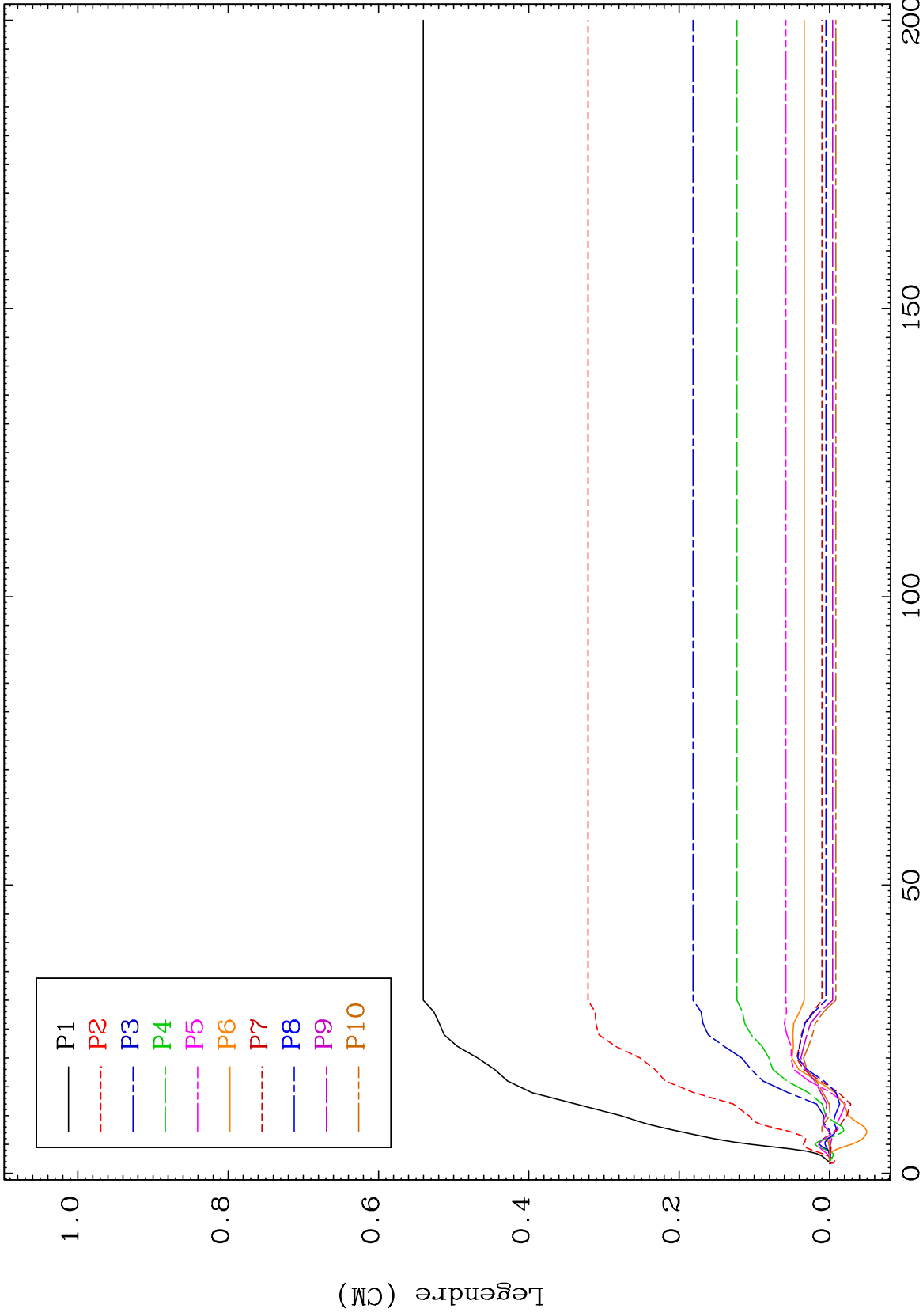
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



70

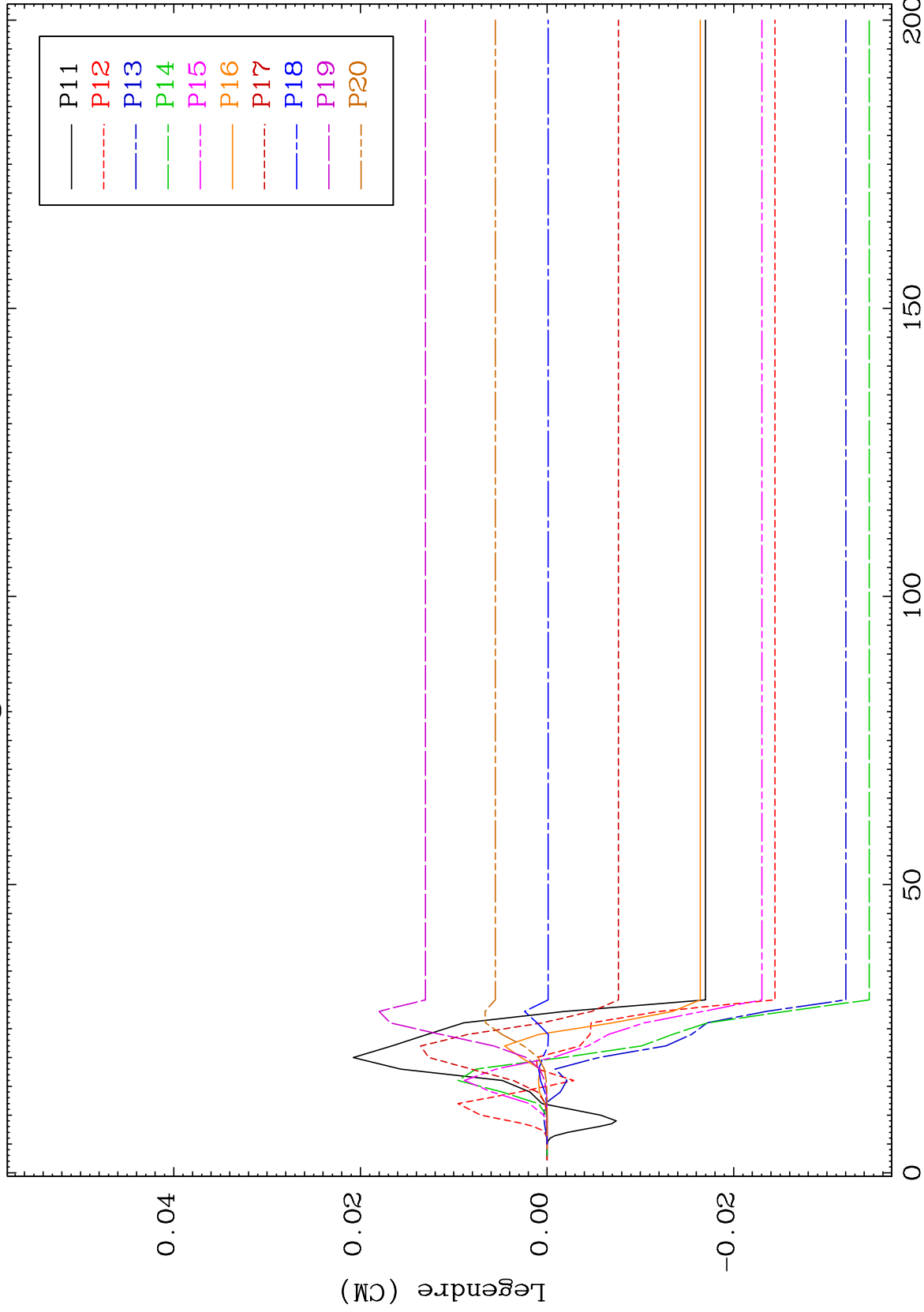
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197

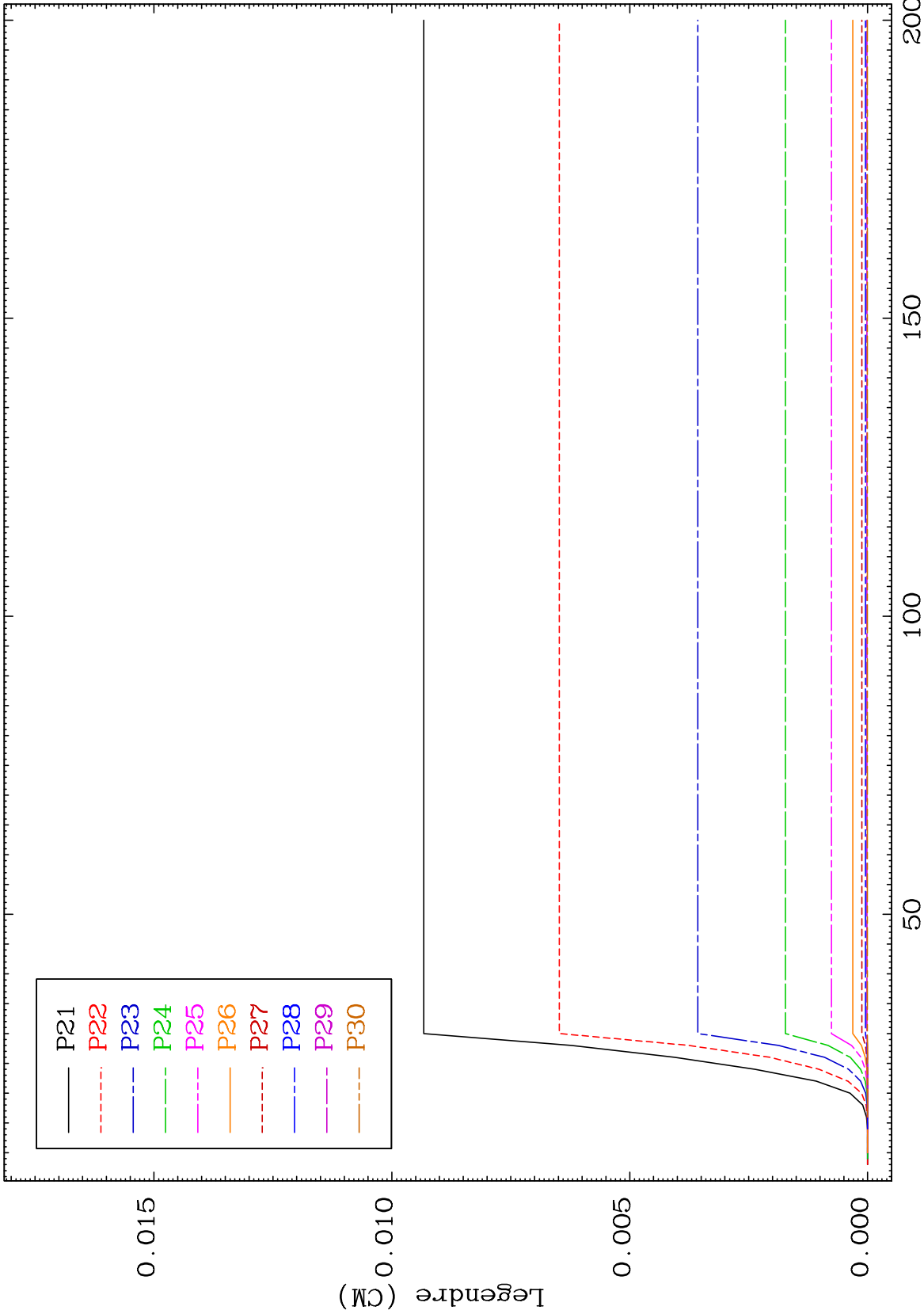


71

Incident Energy (MeV)

81-T1-197

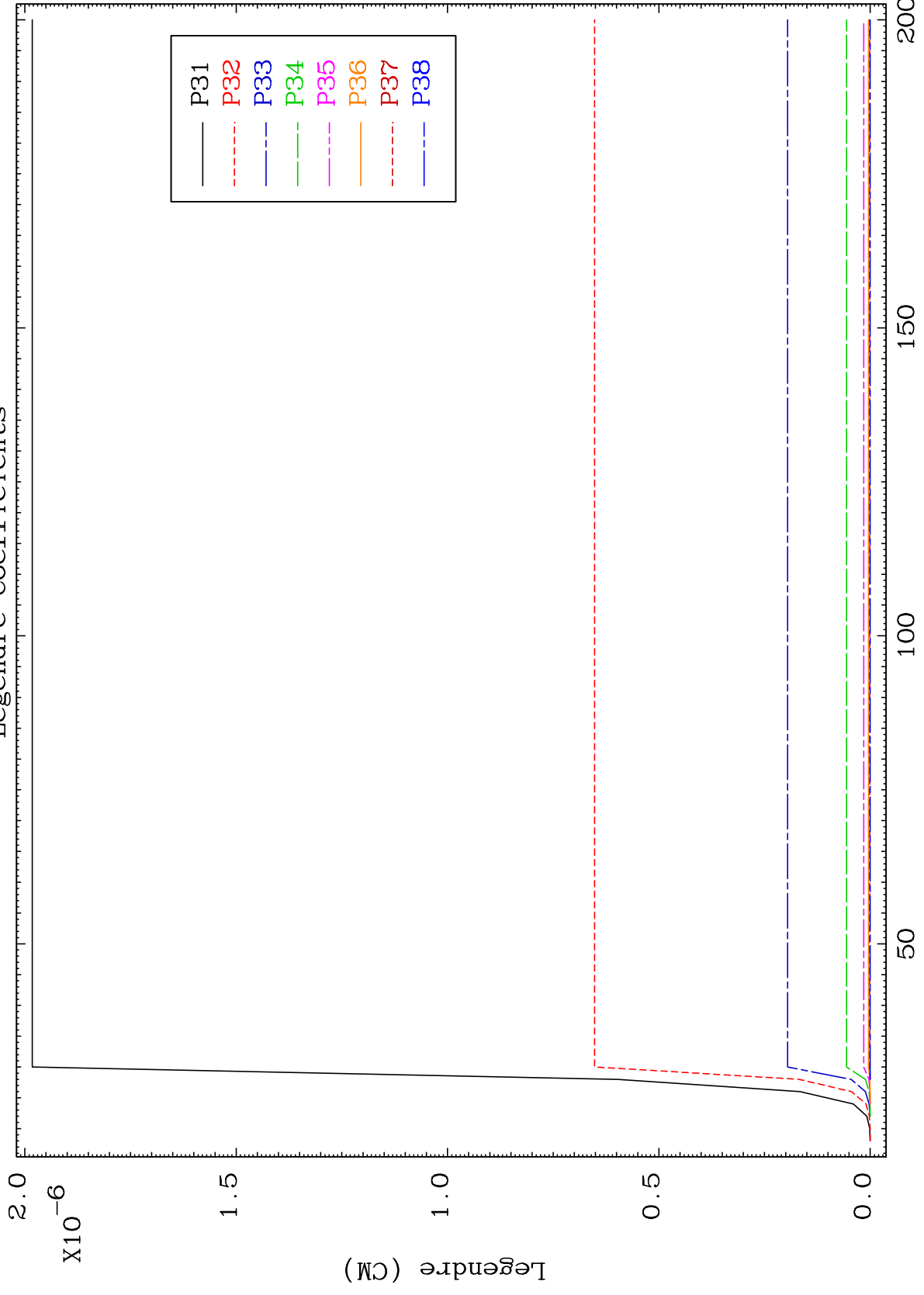




MAT 8107

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

81-T1-197



73

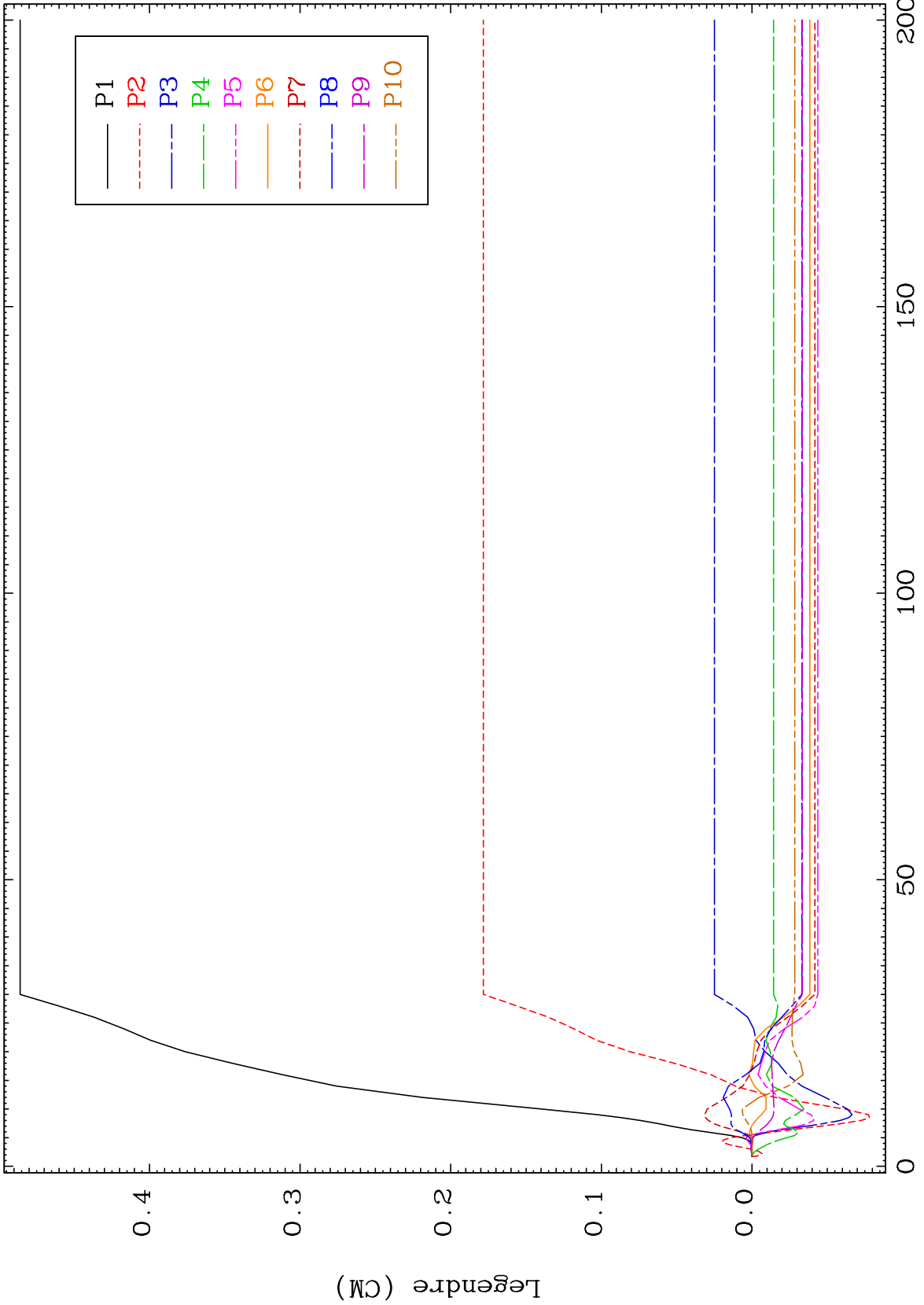
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



74

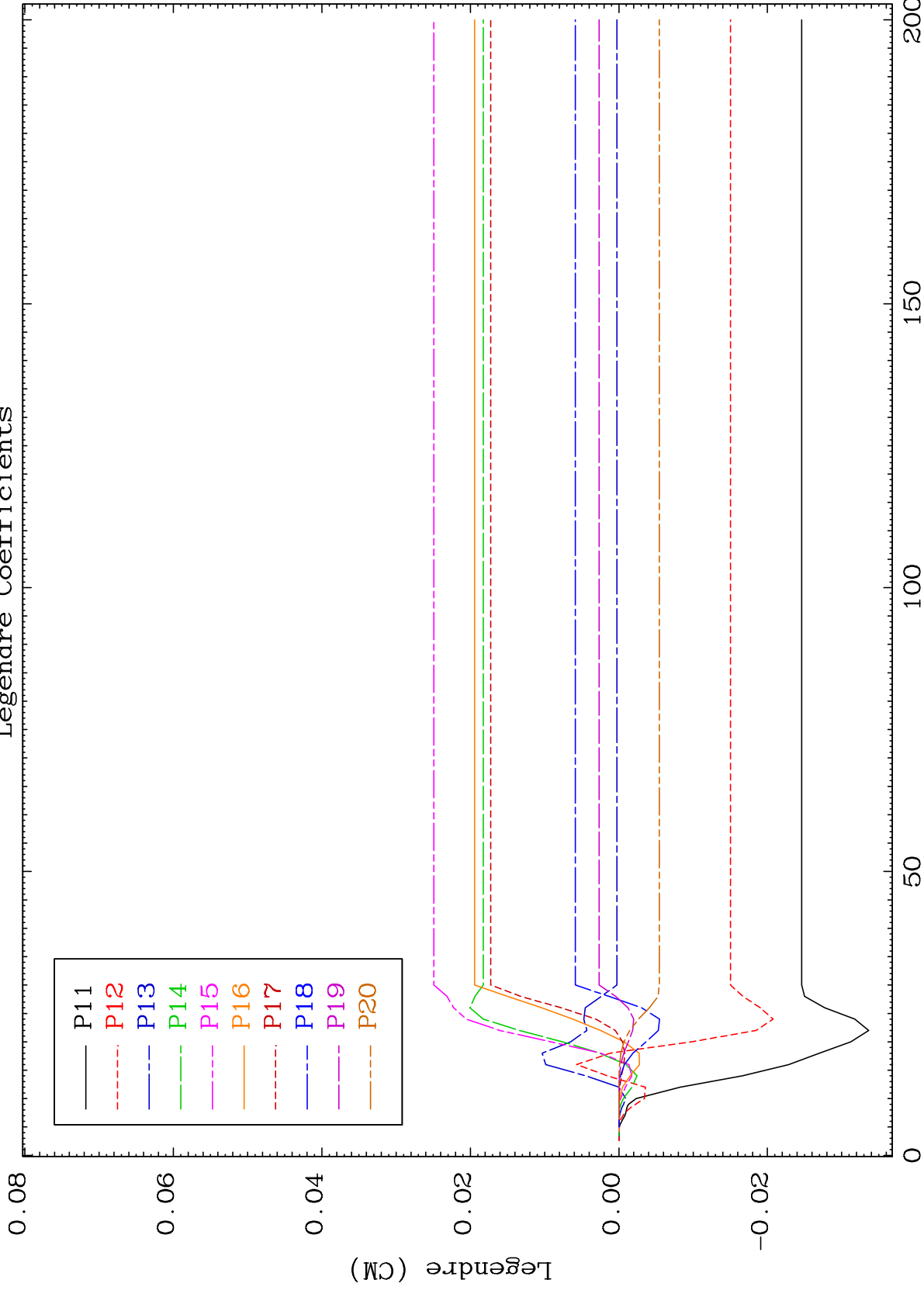
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



75

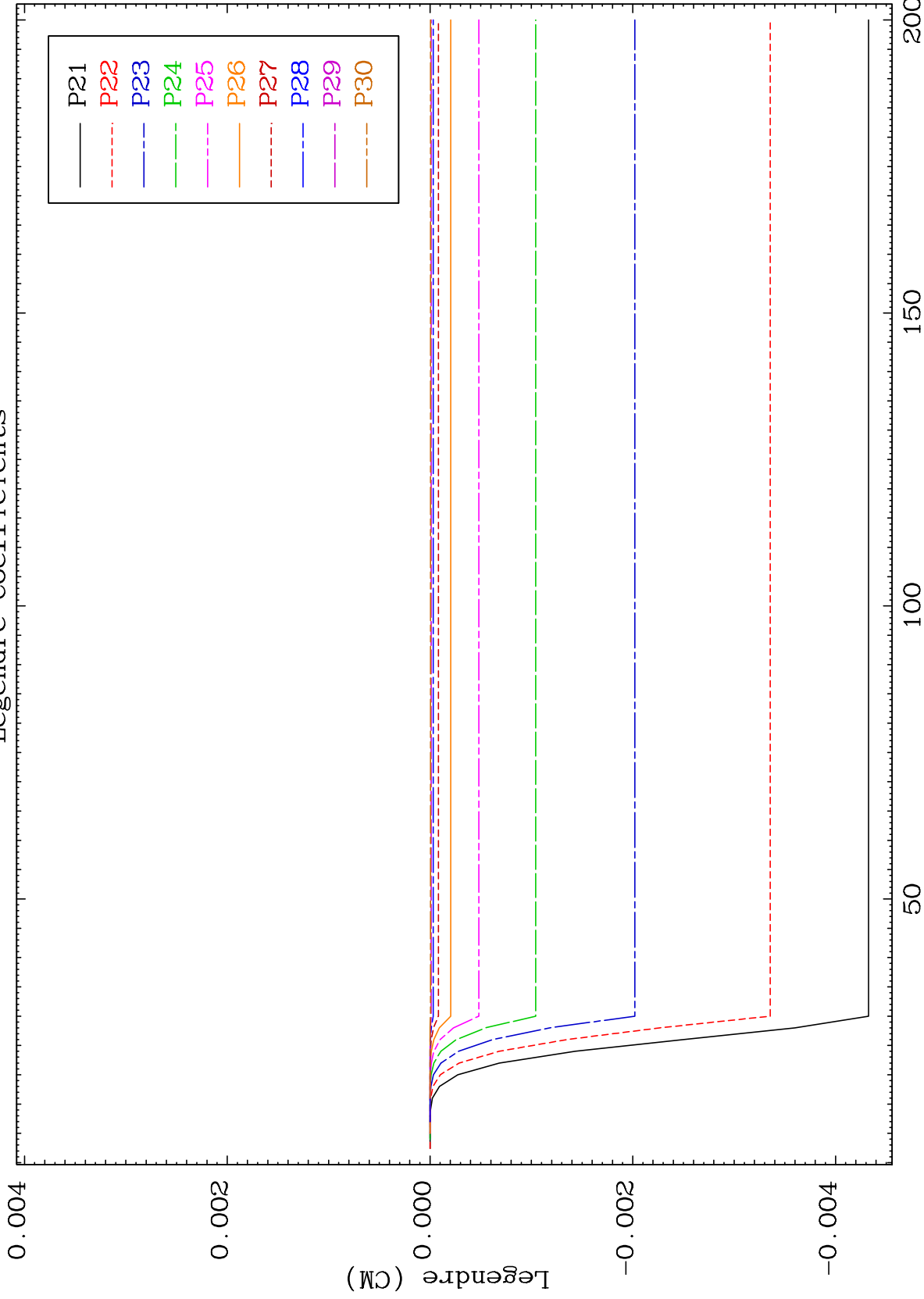
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



76

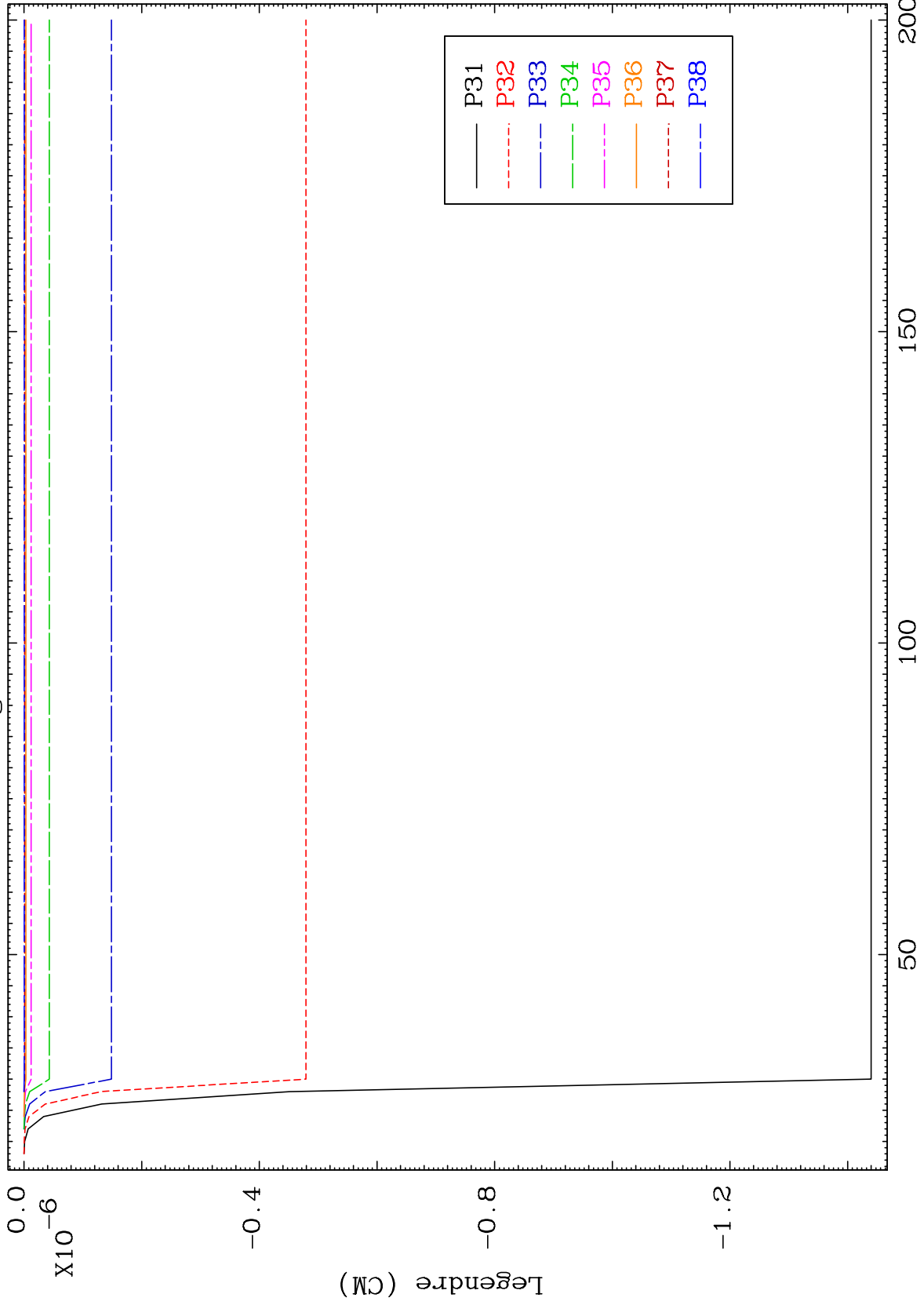
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



81-T1-197

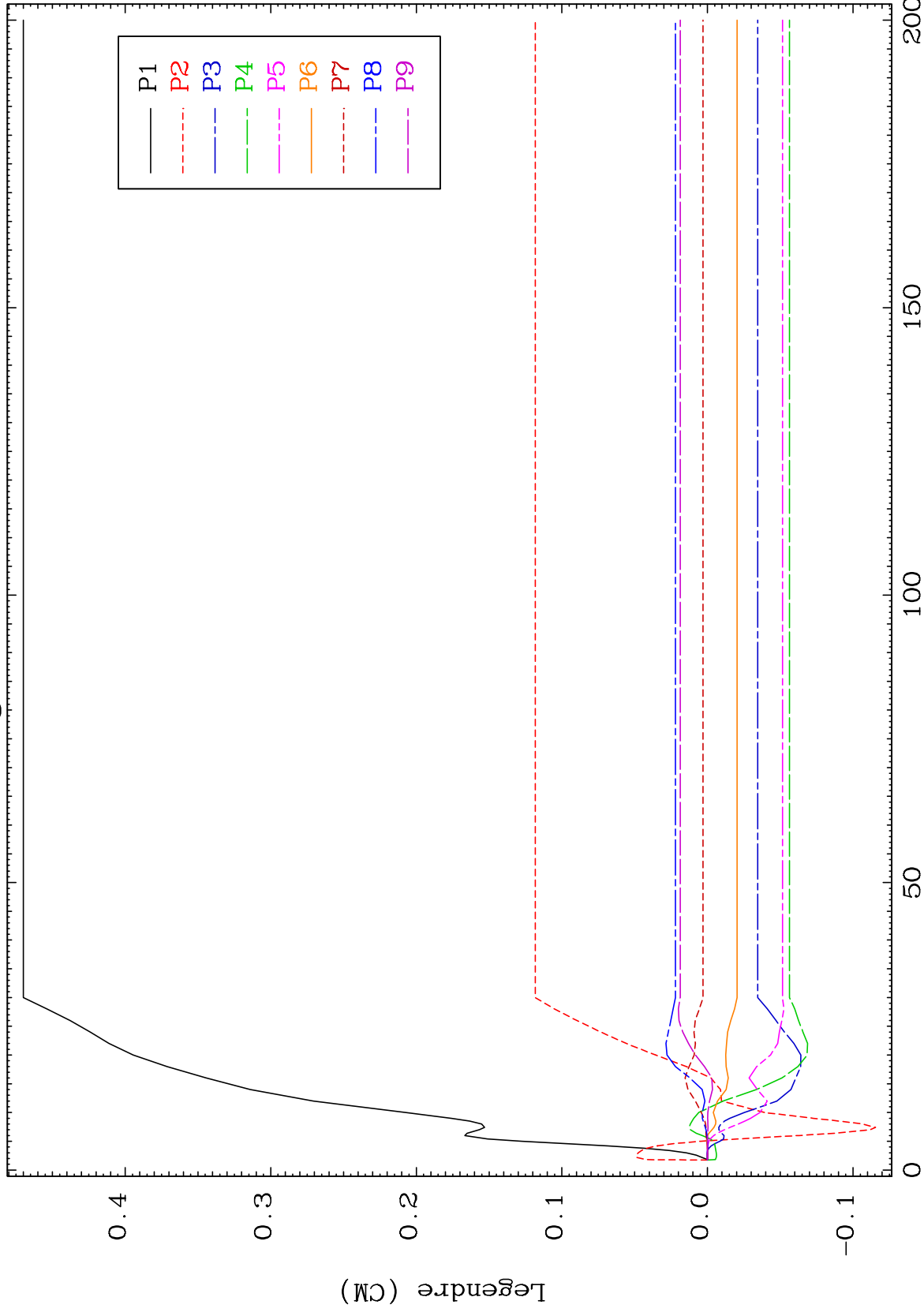
Incident Energy (MeV)

77

MAT 8107

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

81-T1-197



78

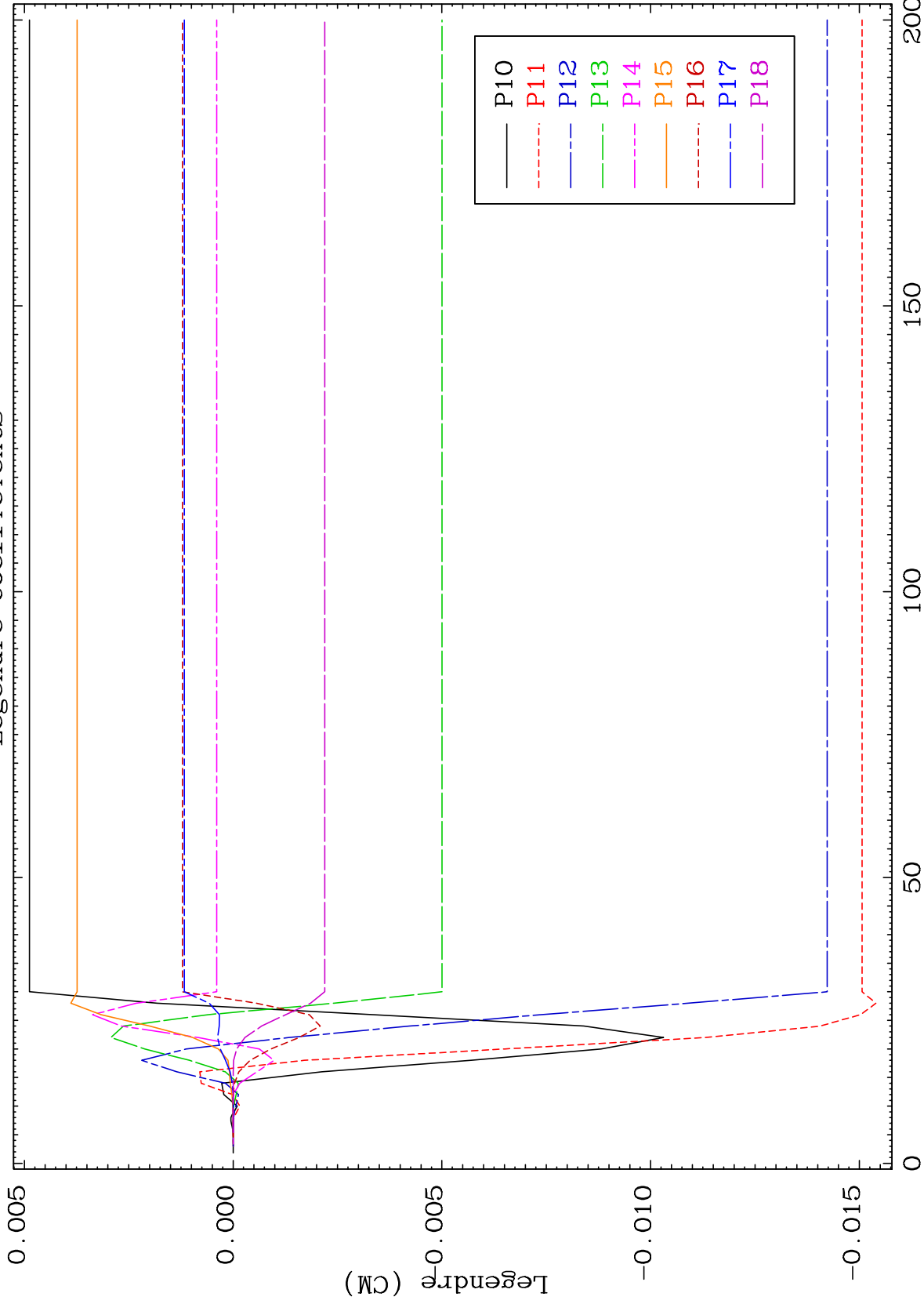
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



79

Incident Energy (MeV)

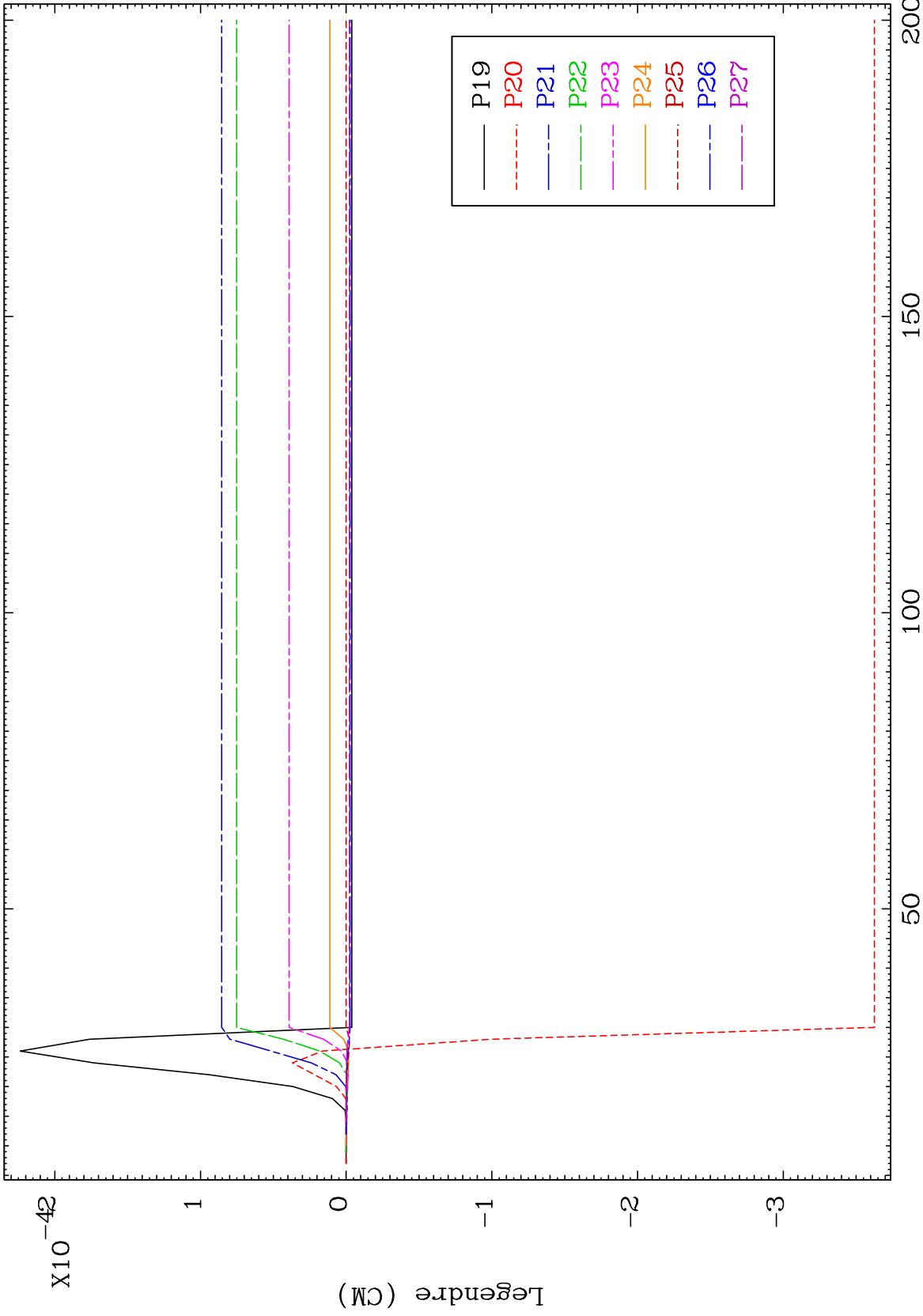
81-T1-197



MAT 8107

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

81-T1-197



80

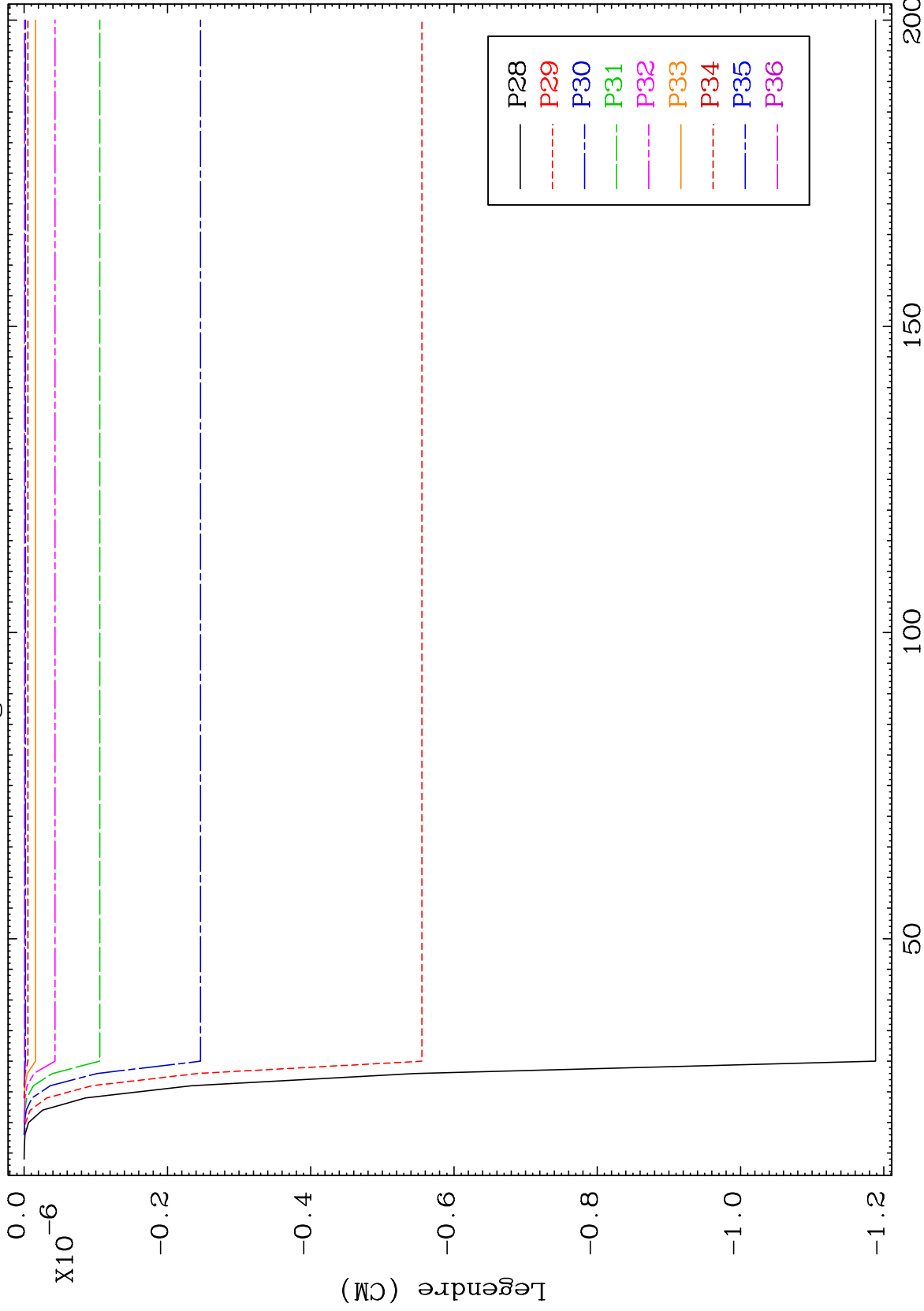
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



81

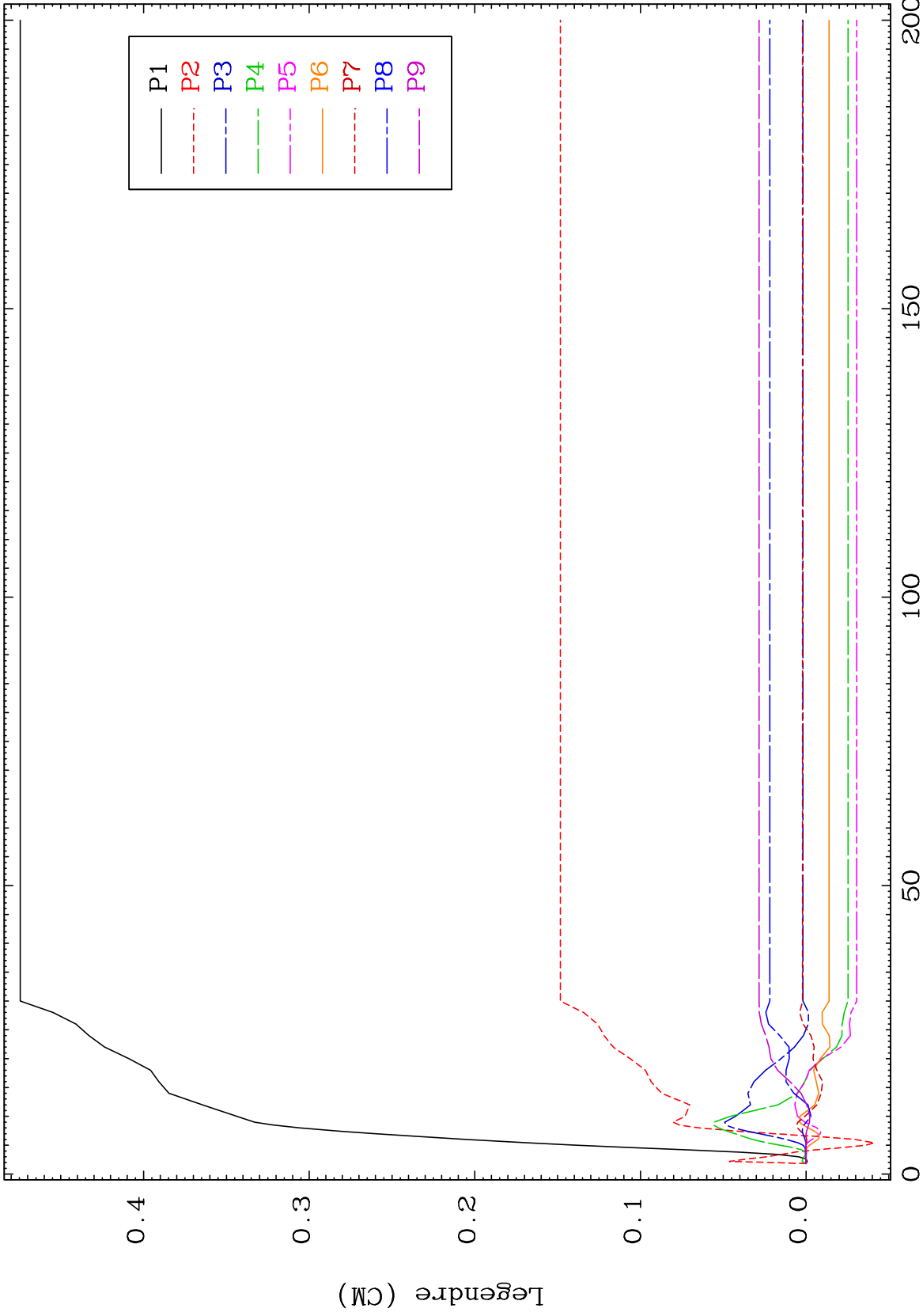
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



82

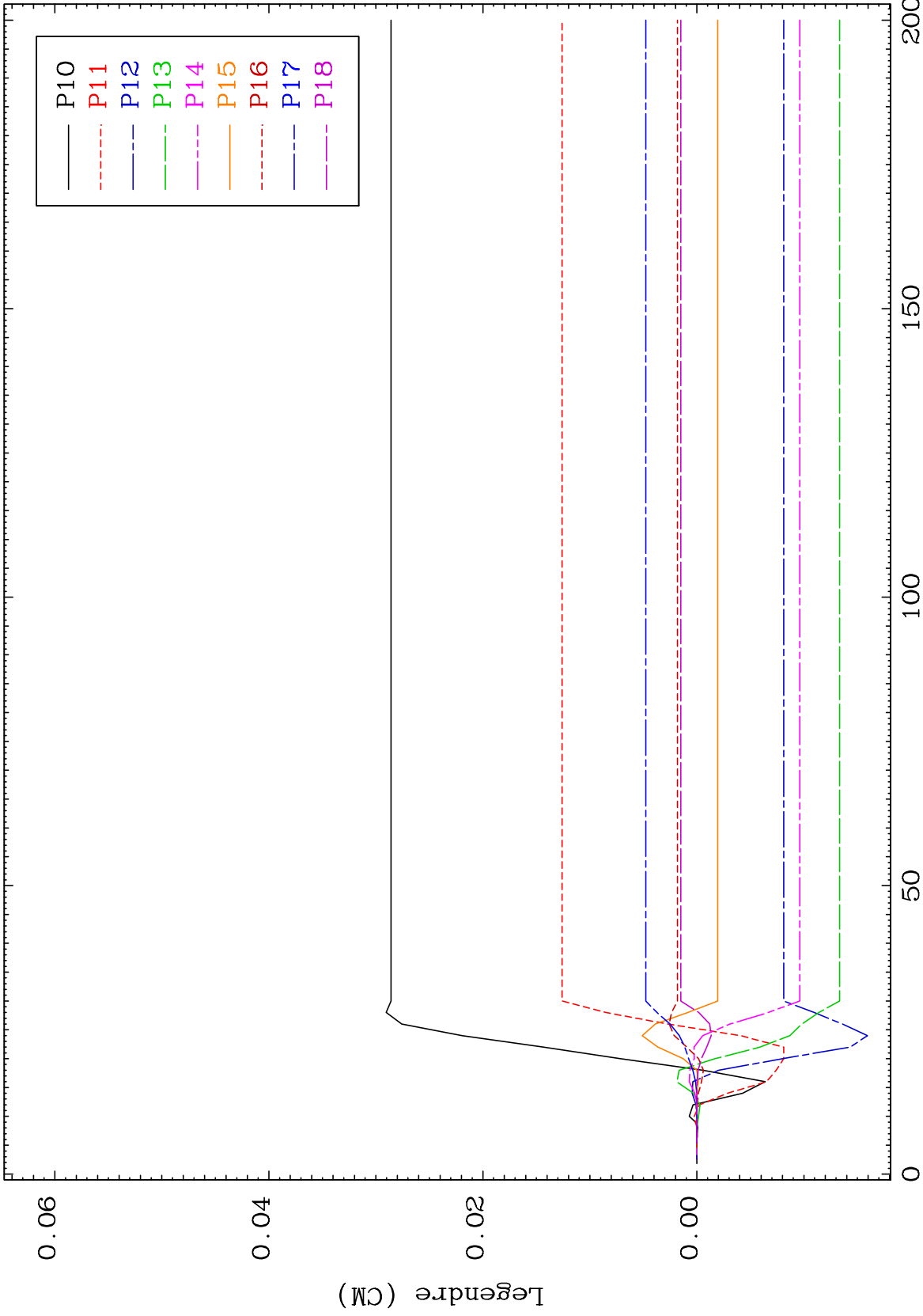
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



83

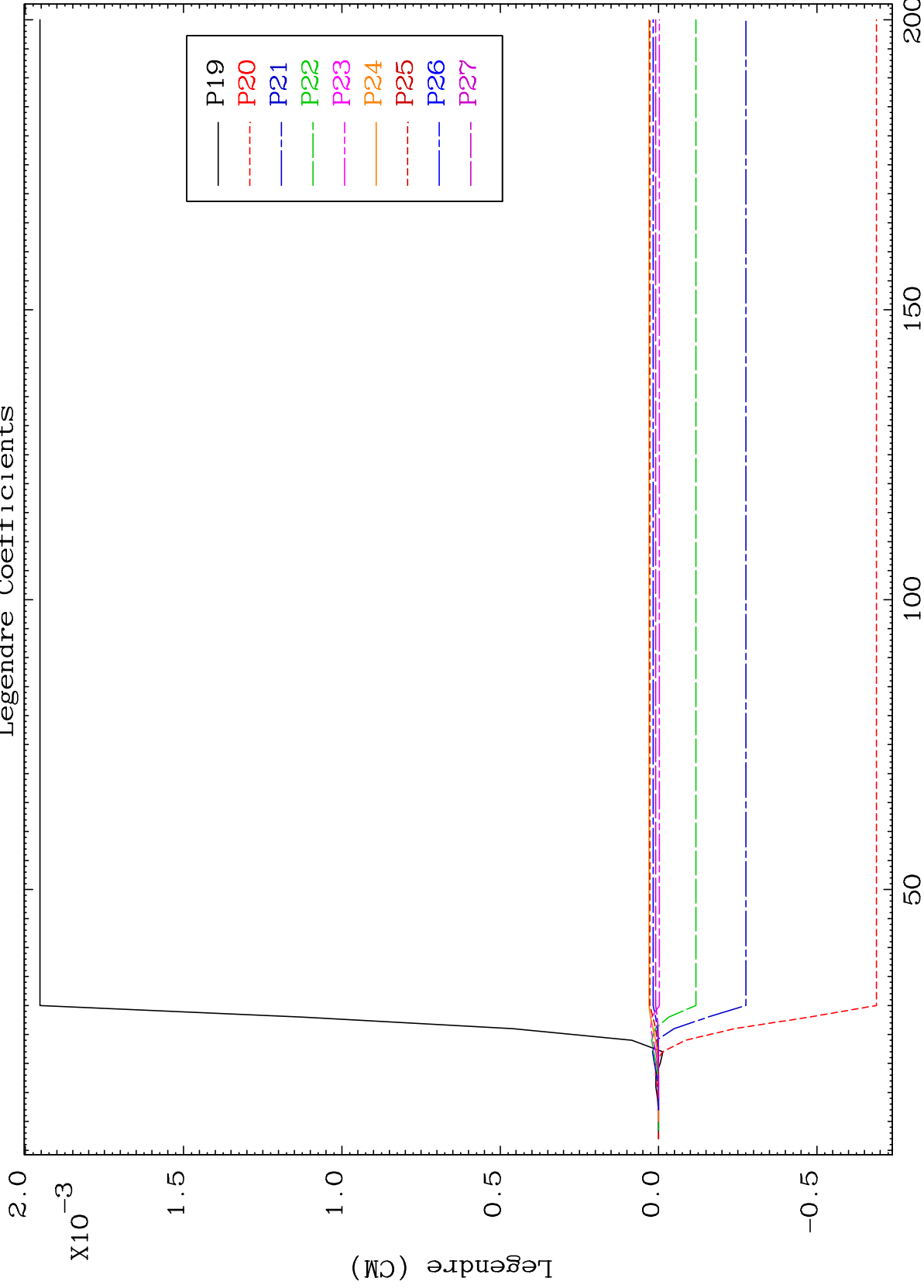
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



84

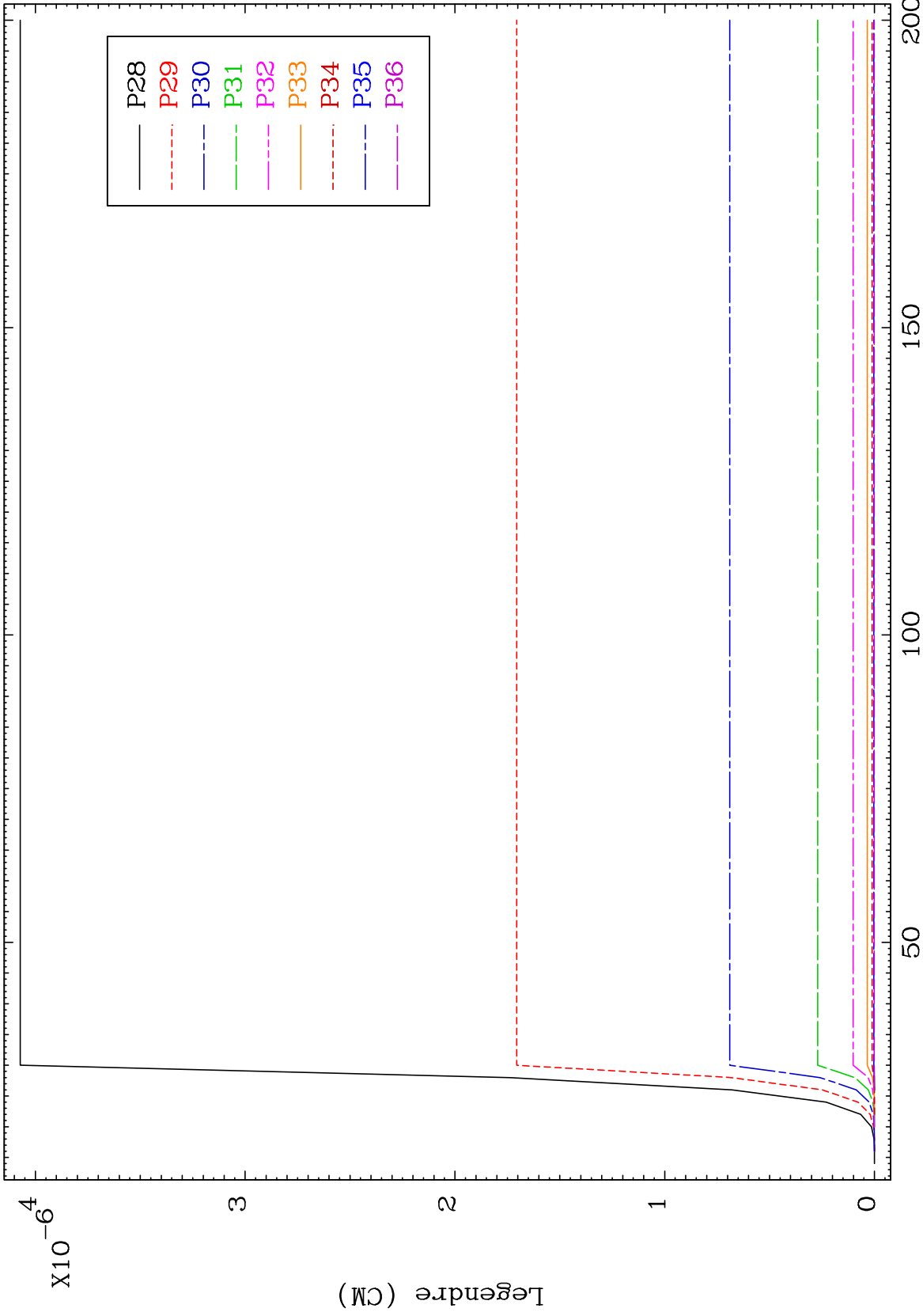
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



85

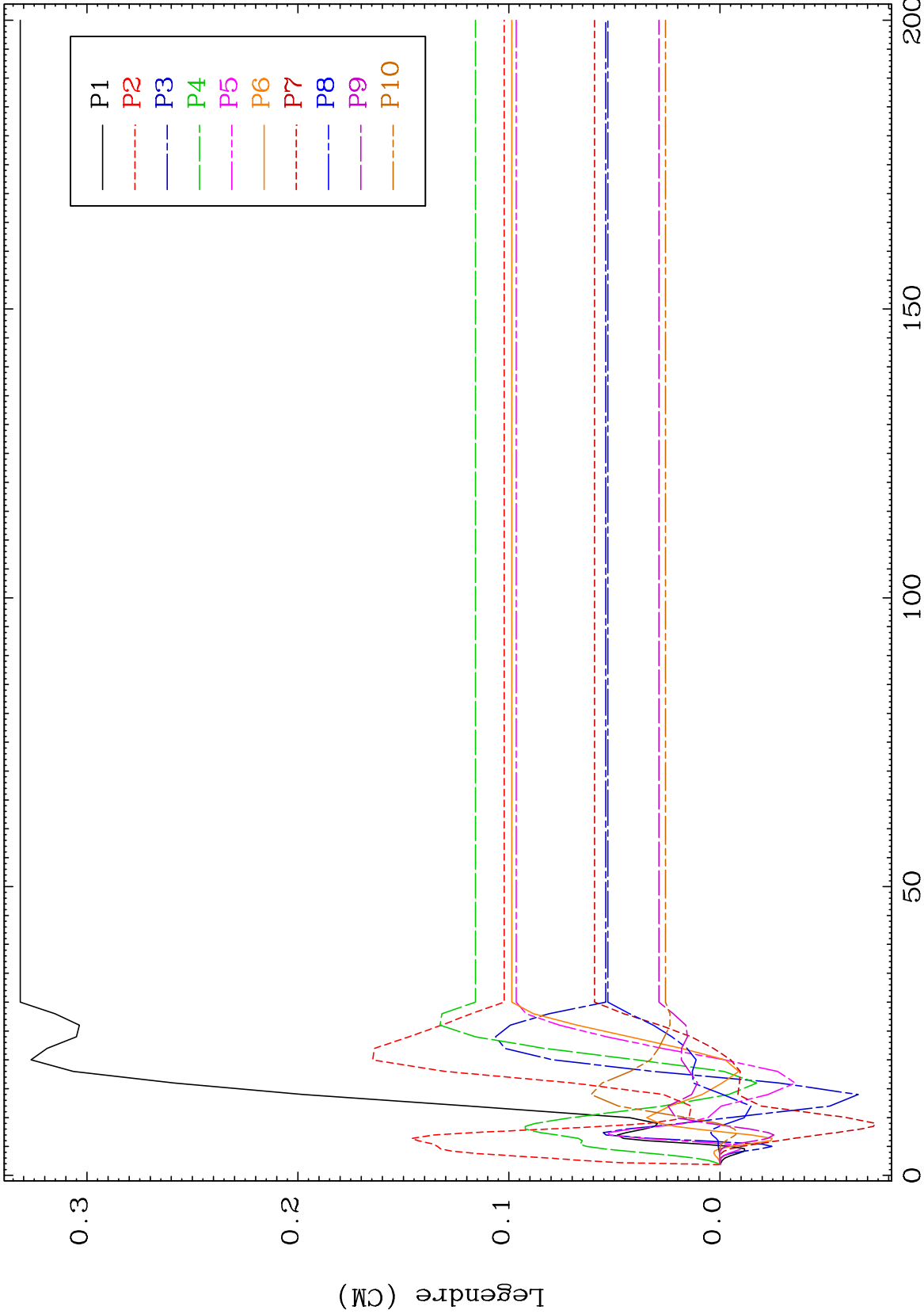
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



86

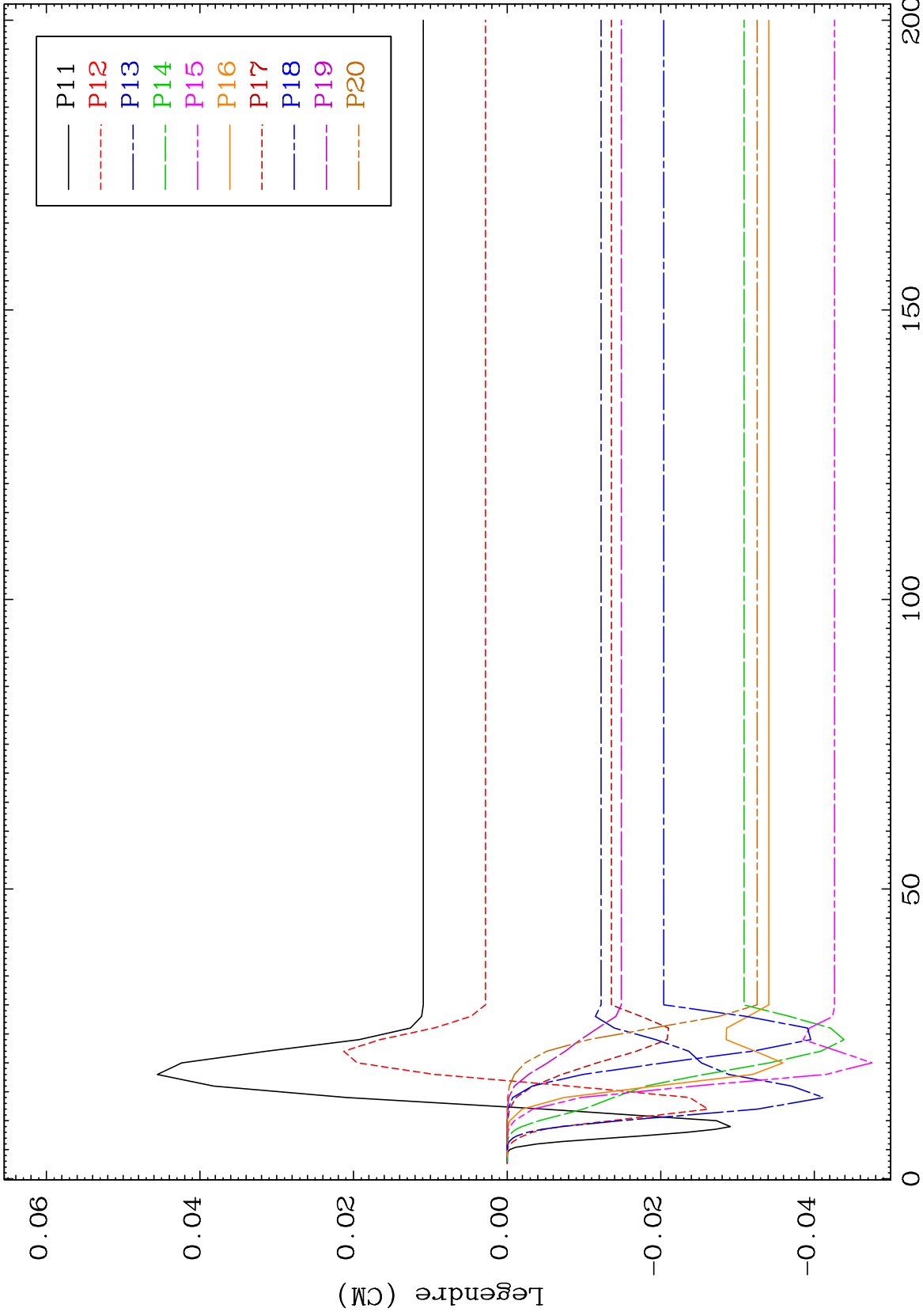
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



87

Incident Energy (MeV)

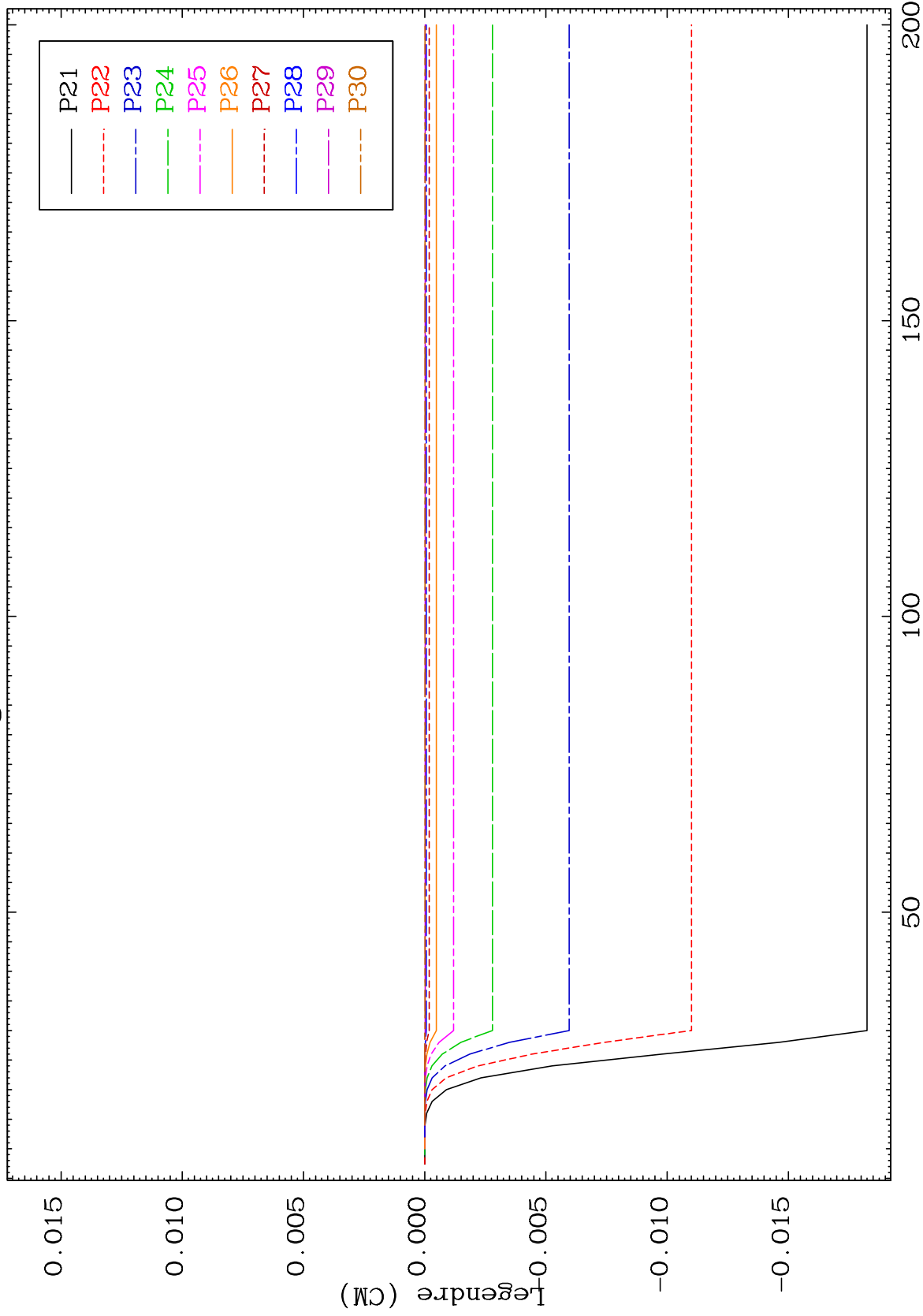
81-T1-197



MAT 8107

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

81-T1-197



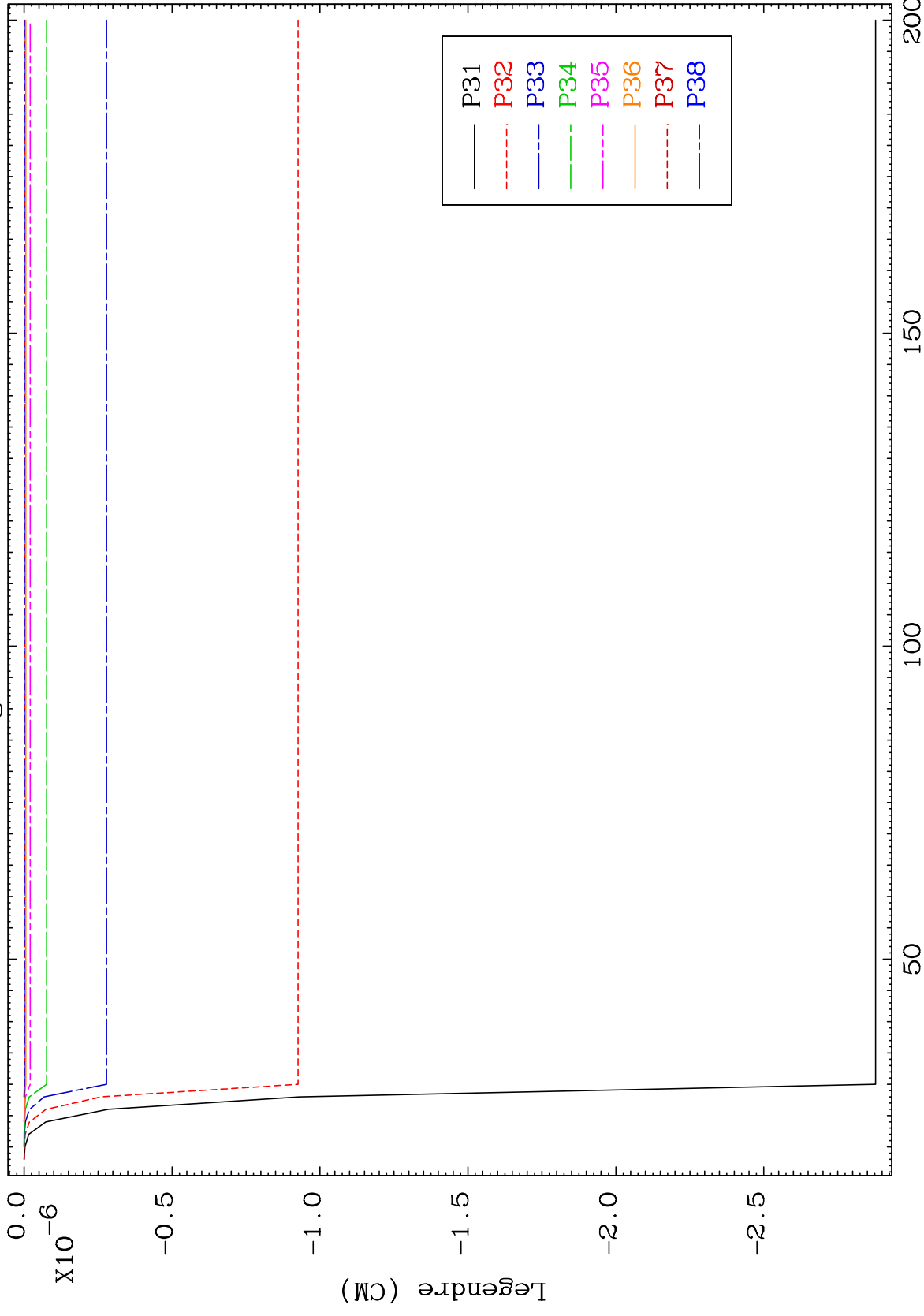
88

81-T1-197

MAT 8107

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

81-Tl-197



81-Tl-197

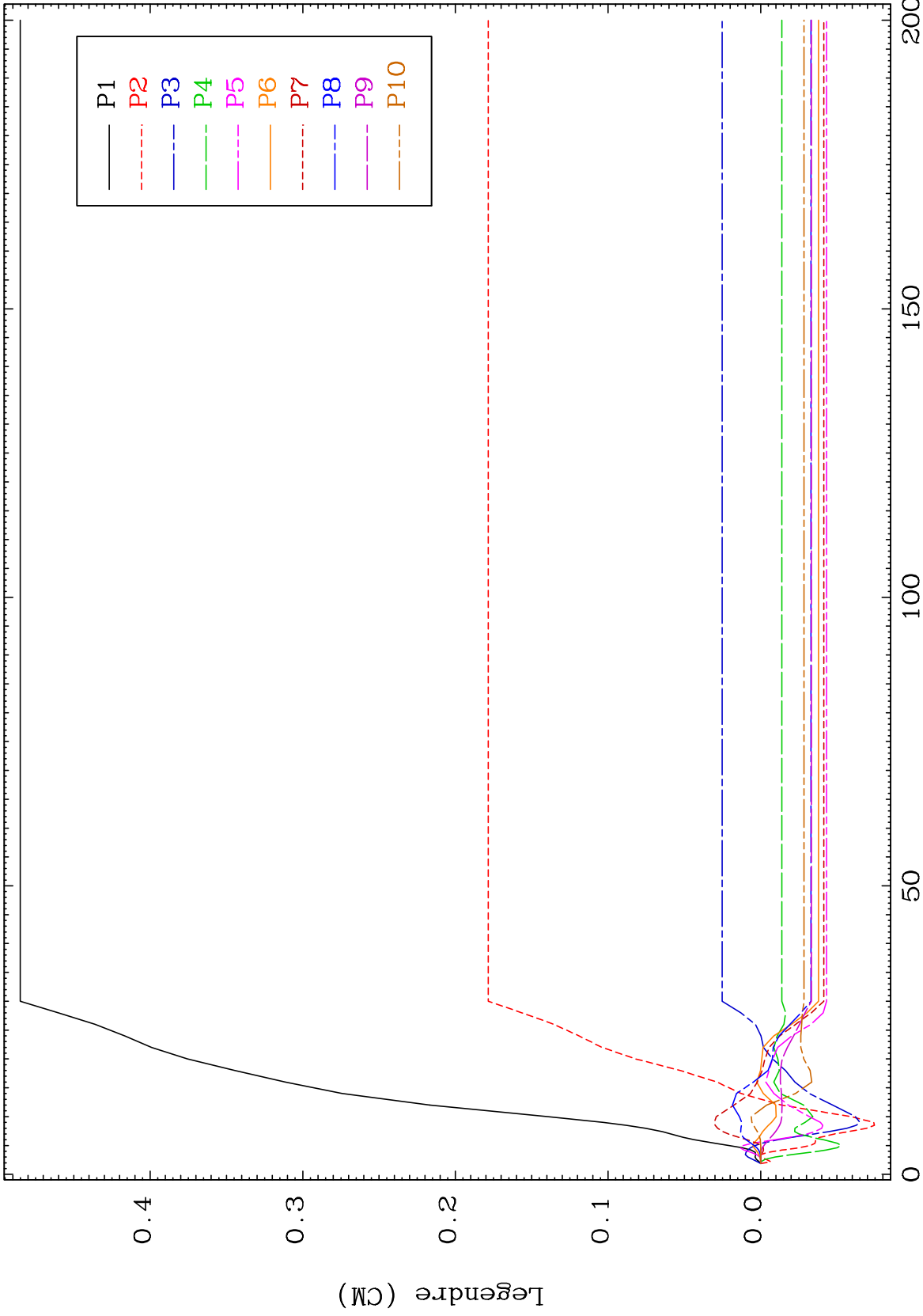
Incident Energy (MeV)

89

MAT 8107

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

81-T1-197



90

Incident Energy (MeV)

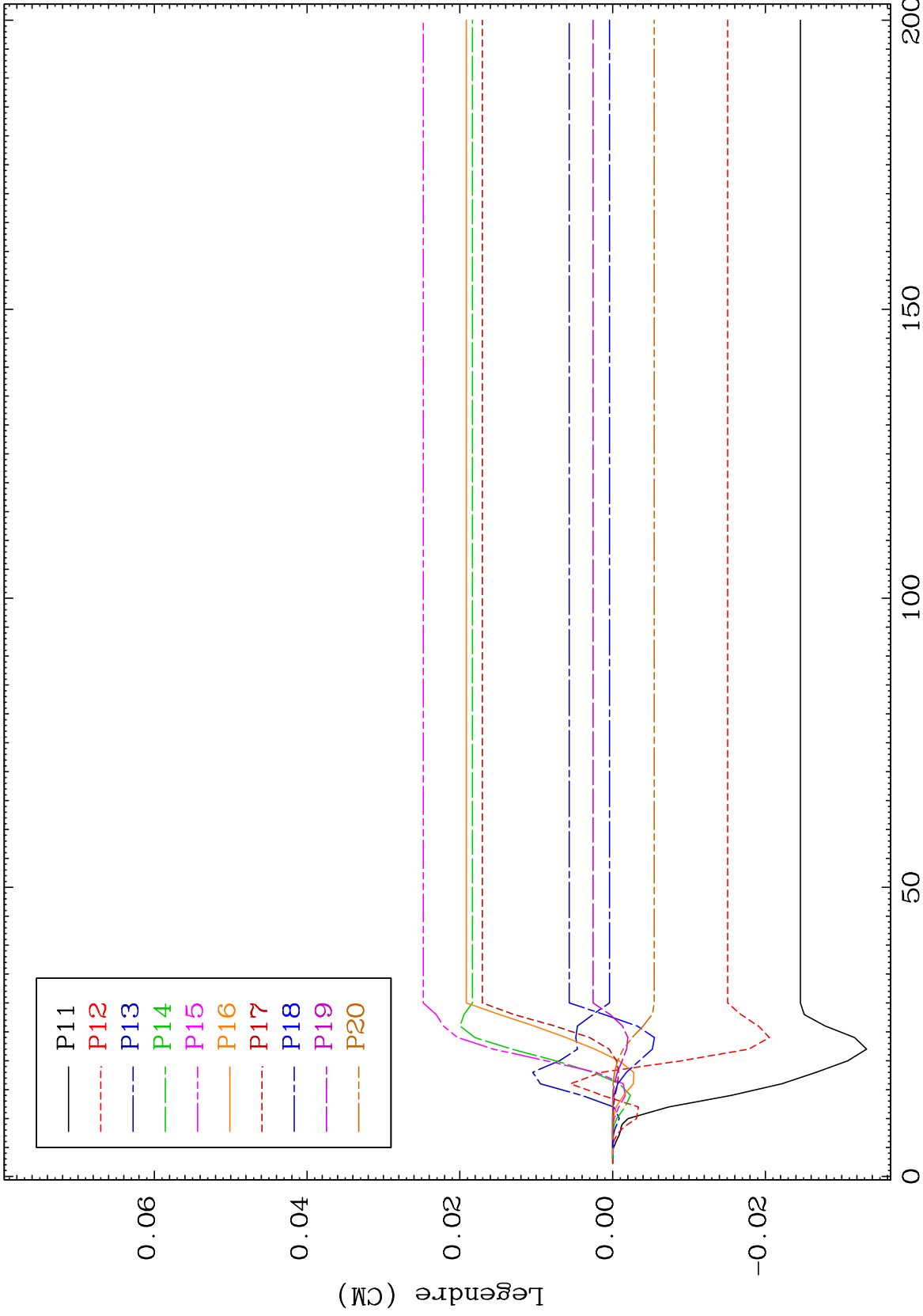
150

81-T1-197

MAT 8107

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

81-T1-197

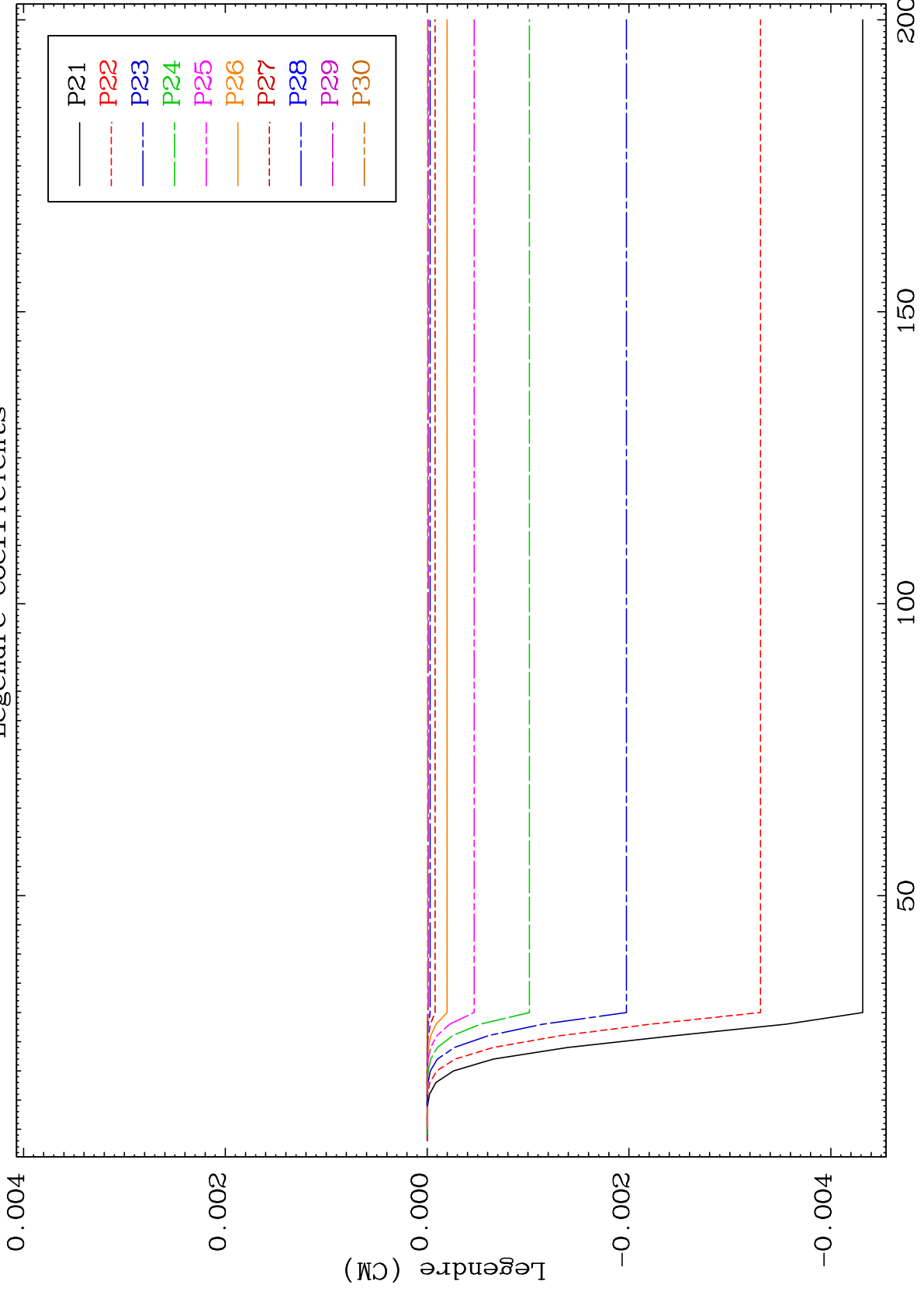


91

Incident Energy (MeV)

81-T1-197

MAT 8107 MT= 69 (n,n') Level Legendre Coefficients 81-T1-197

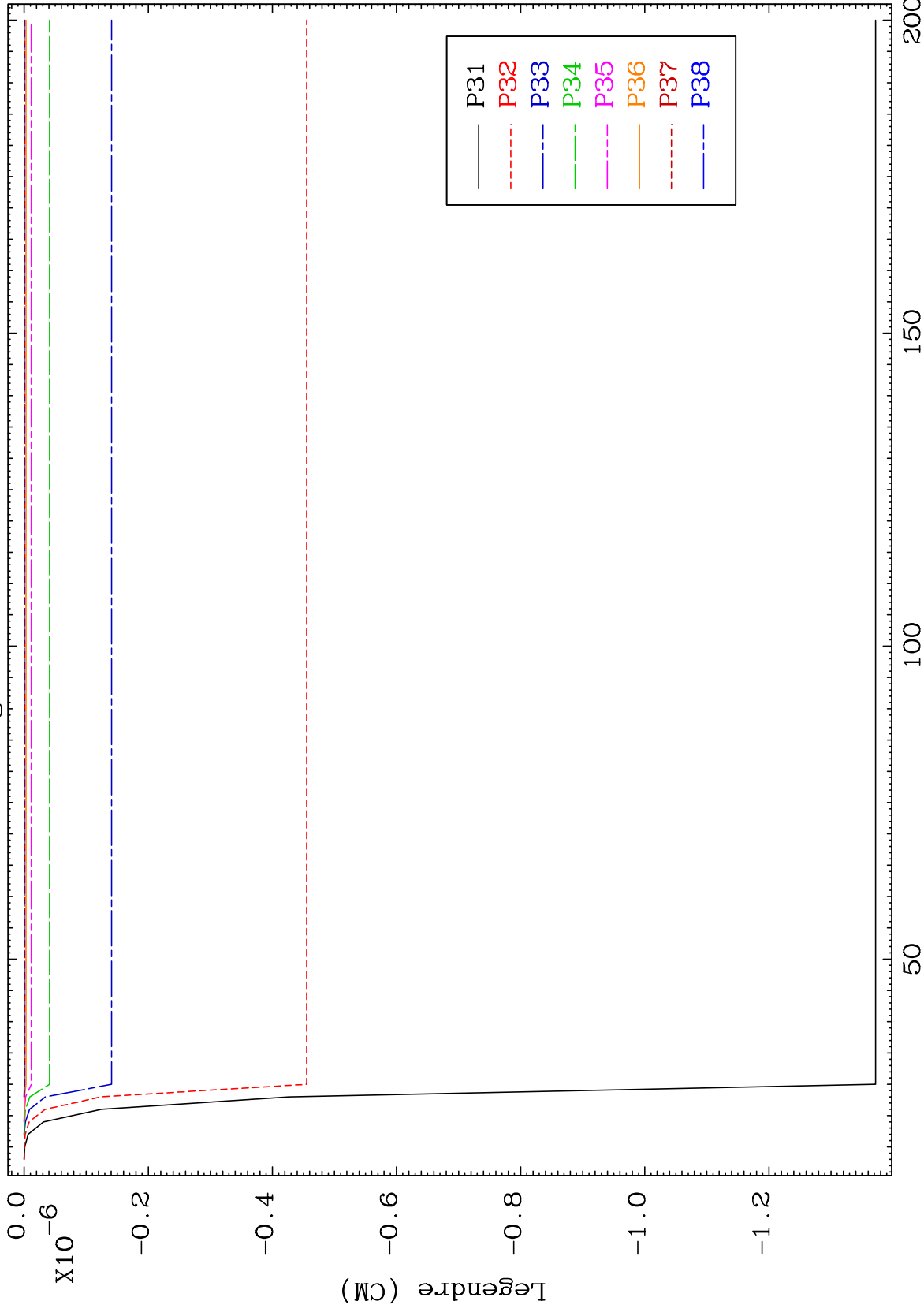


92 81-T1-197

MAT 8107

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

81-Tl-197



81-Tl-197

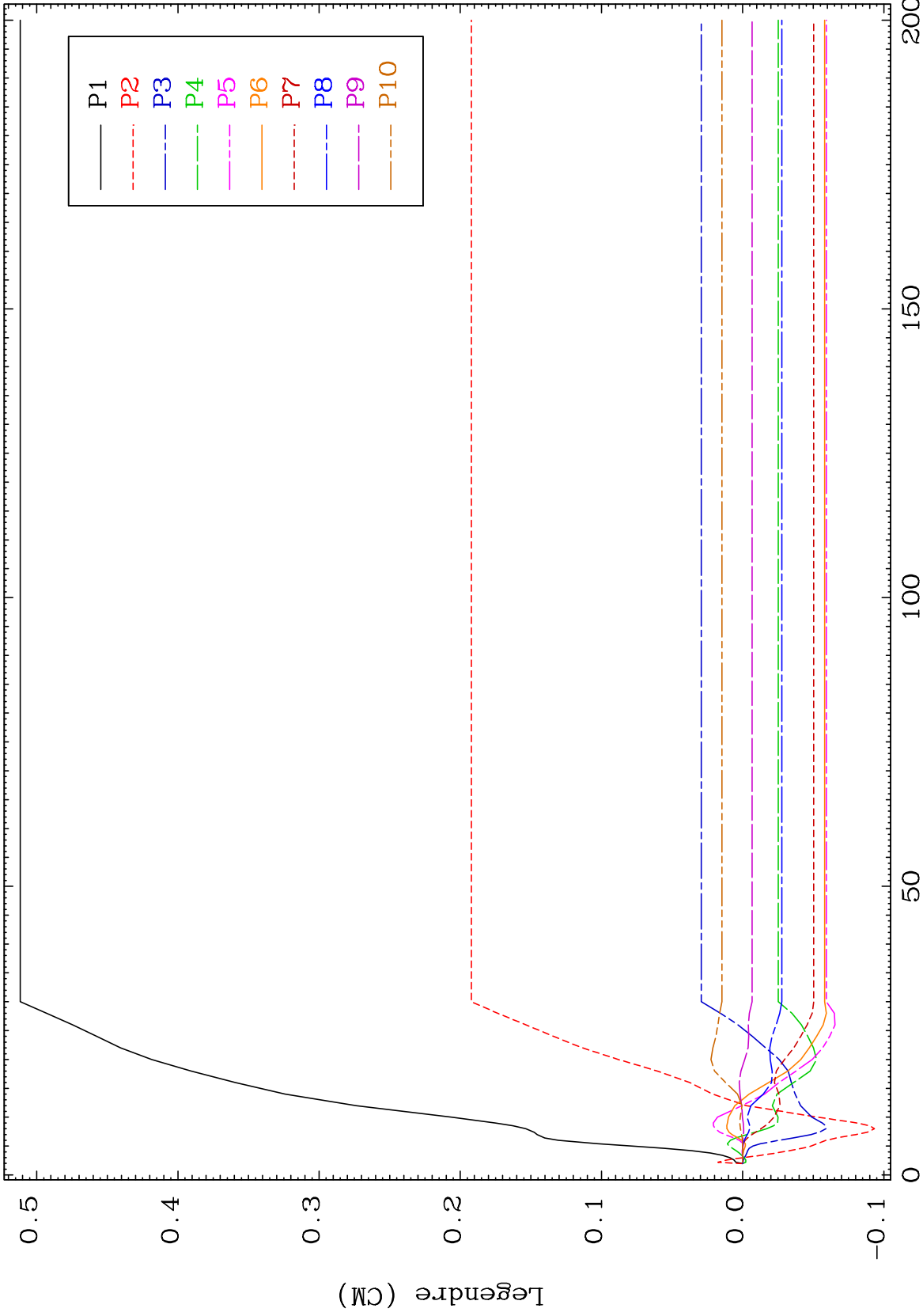
Incident Energy (MeV)

93

MAT 8107

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

81-T1-197



94

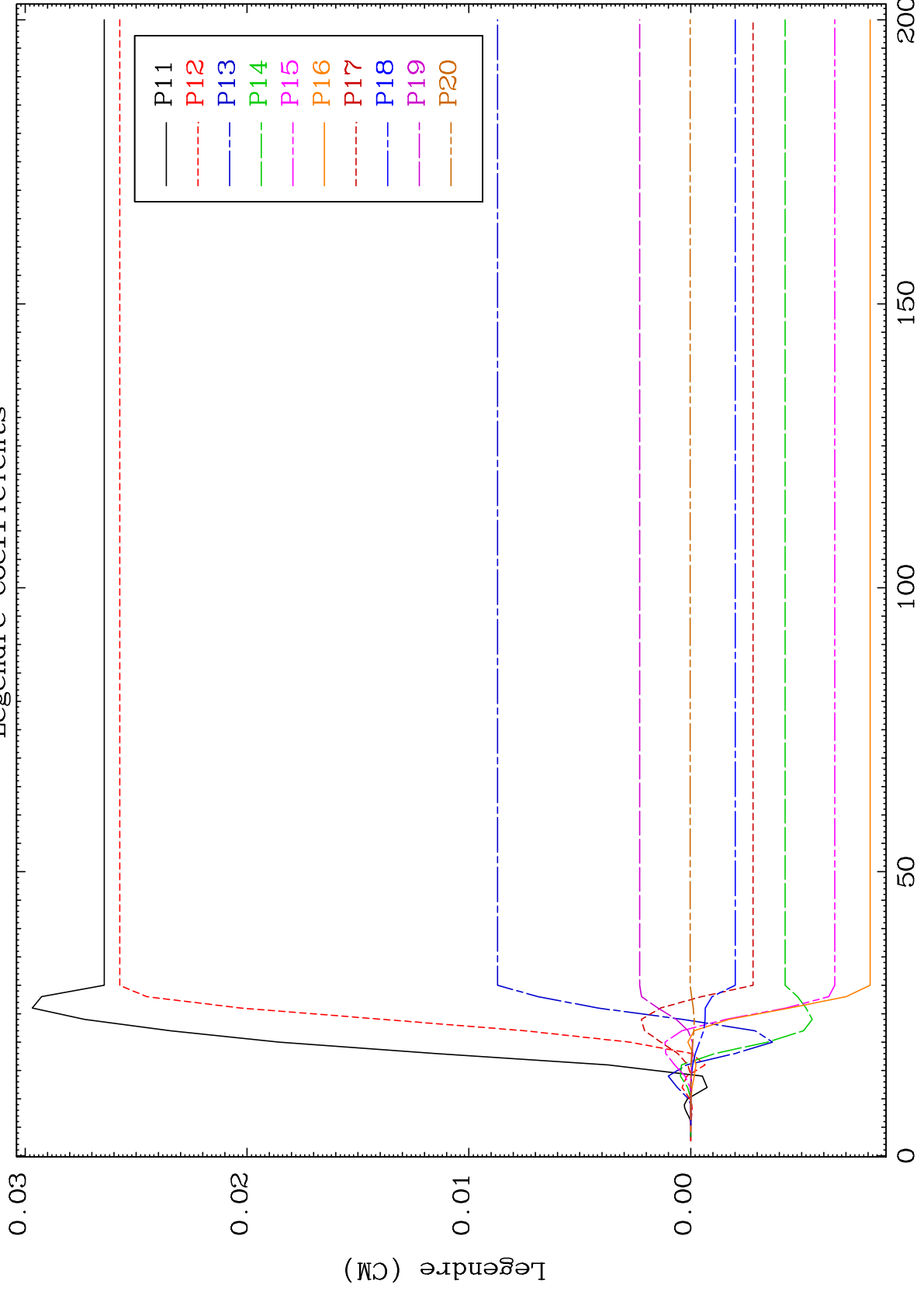
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



95

Incident Energy (MeV)

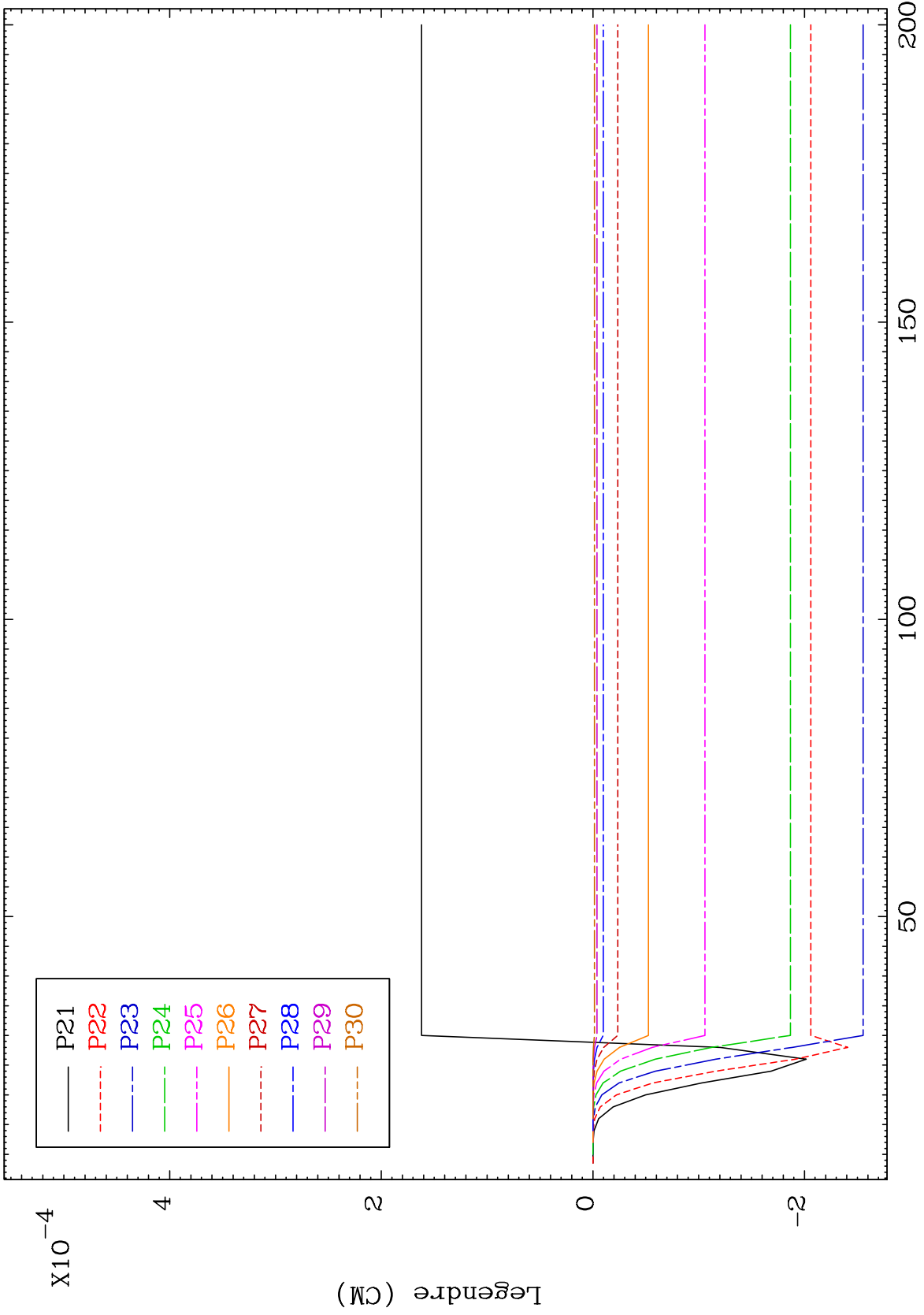
81-T1-197



MAT 8107

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

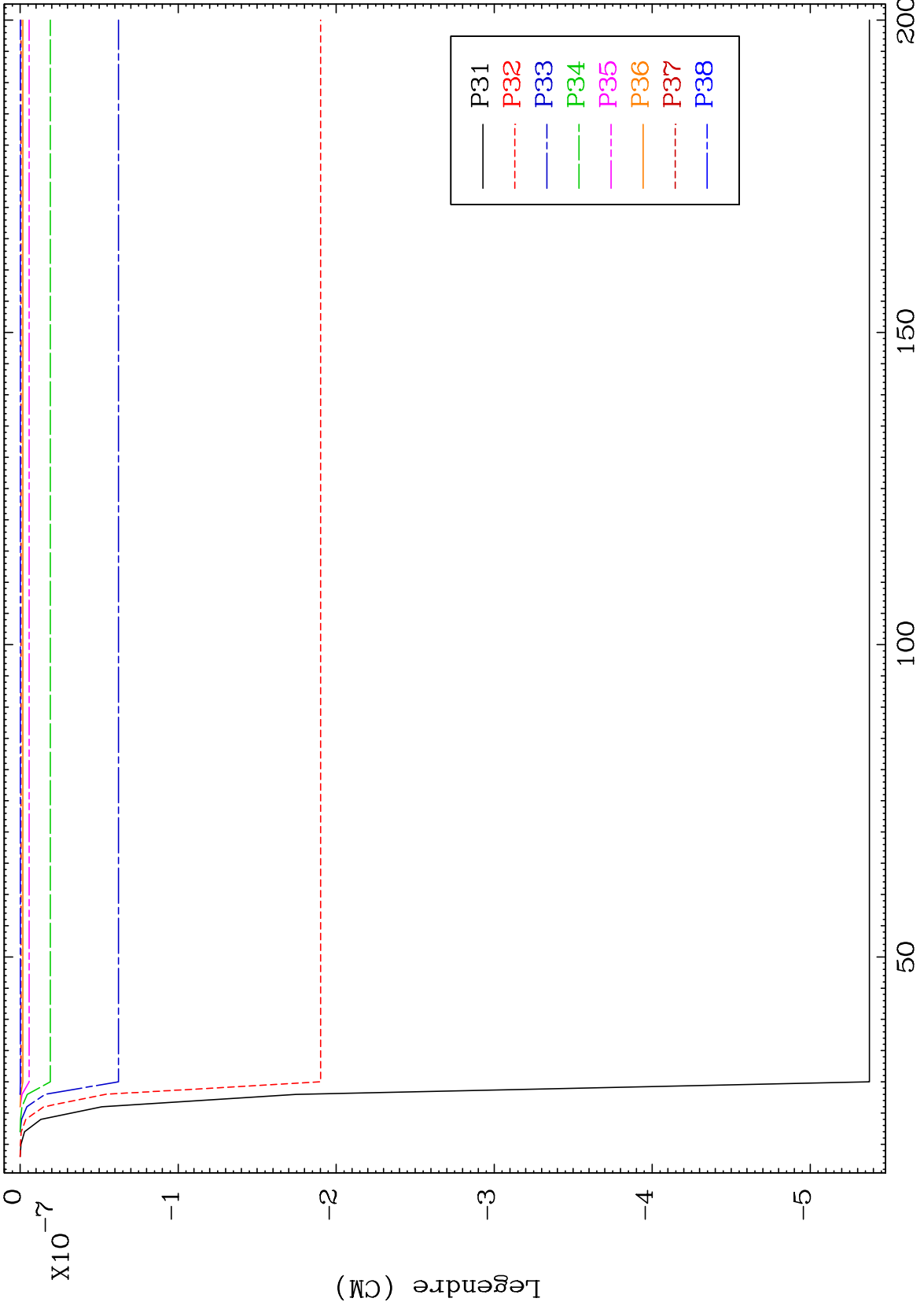
81-T1-197



96

81-T1-197

MAT 8107 MT= 70 (n,n') Level Legendre Coefficients 81-T1-197

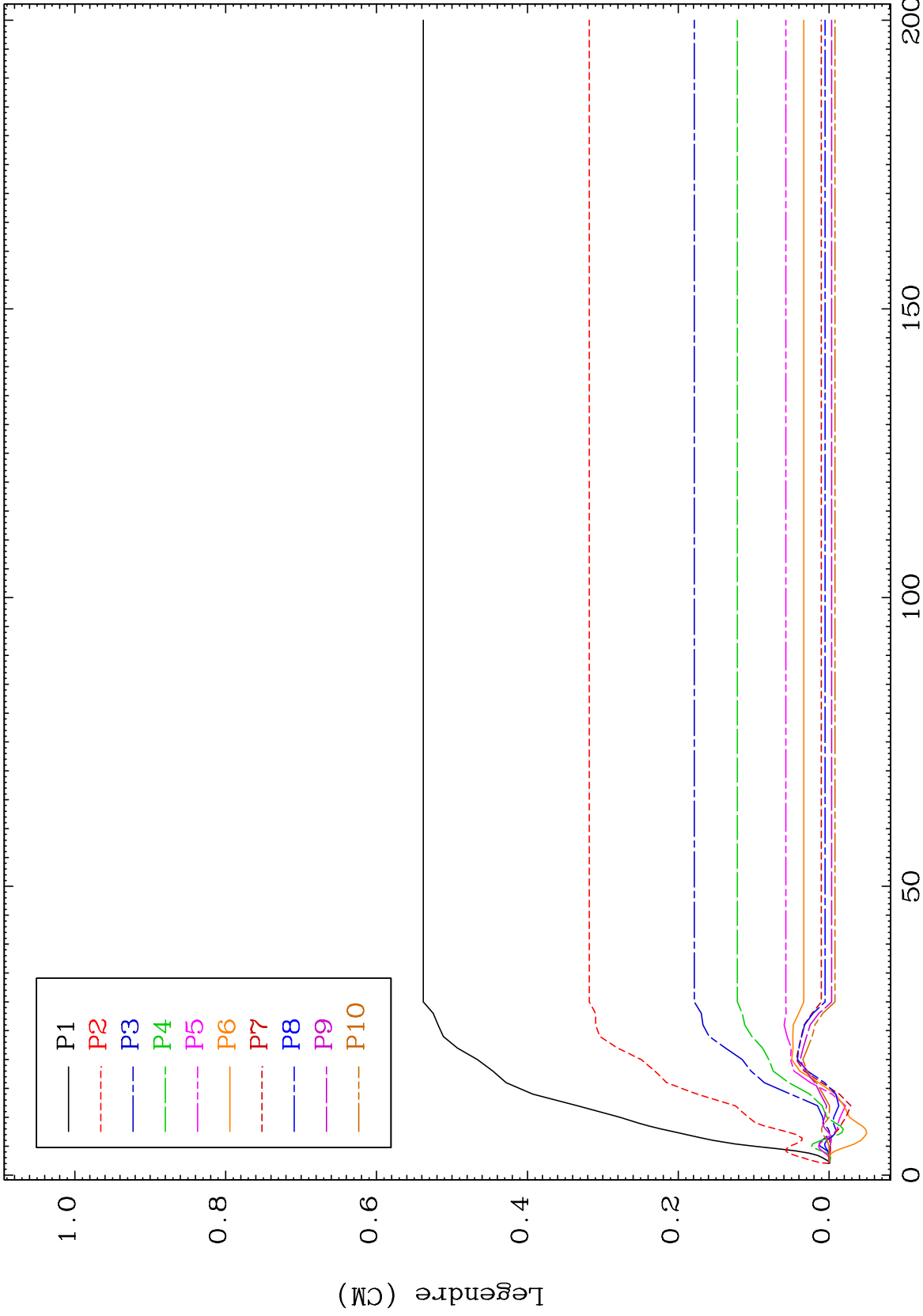


97 81-T1-197

MAT 8107

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

81-T1-197



98

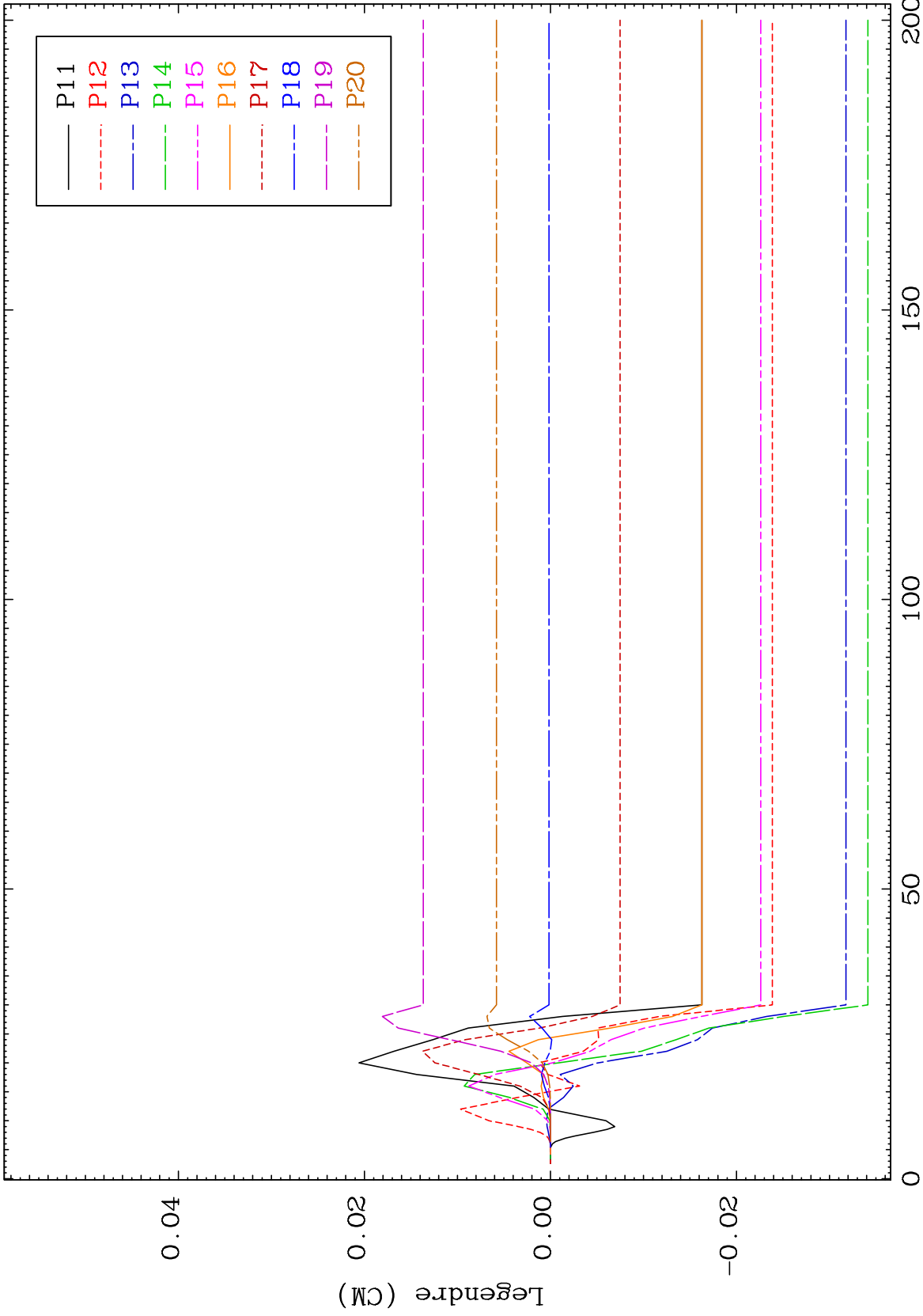
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



99

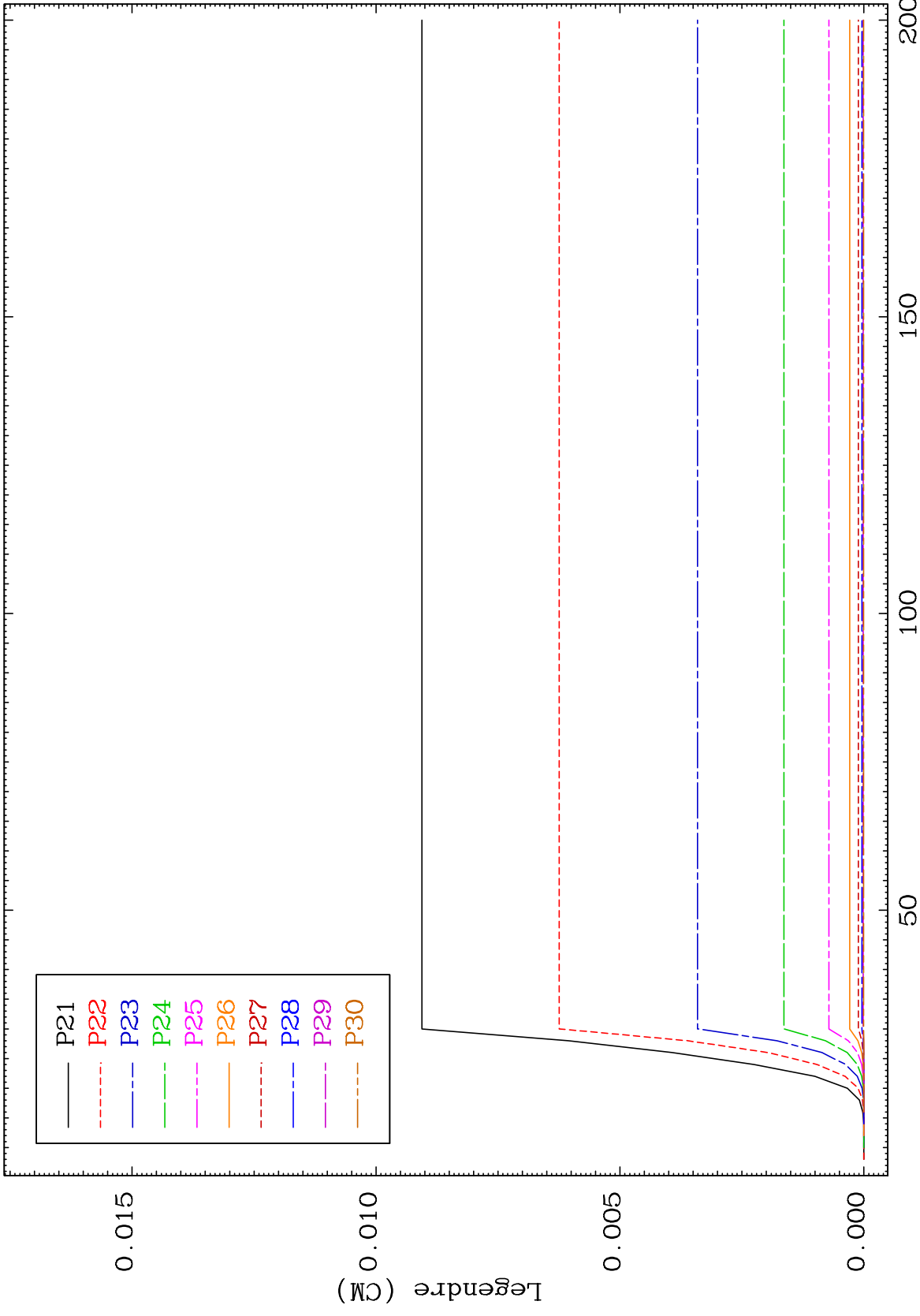
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-Tl-197



81-Tl-197

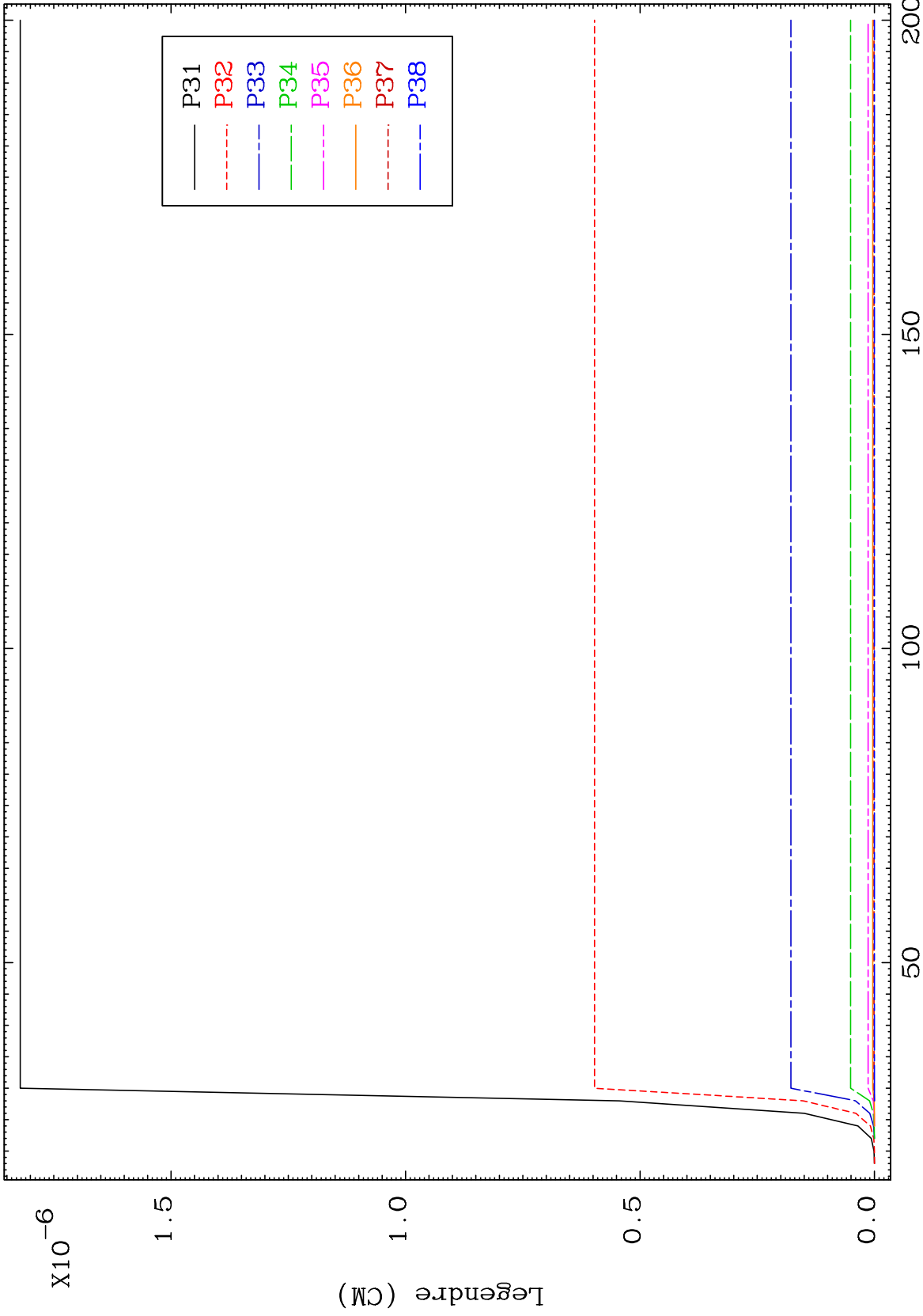
Incident Energy (MeV)

100

MAT 8107

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

81-T1-197



101

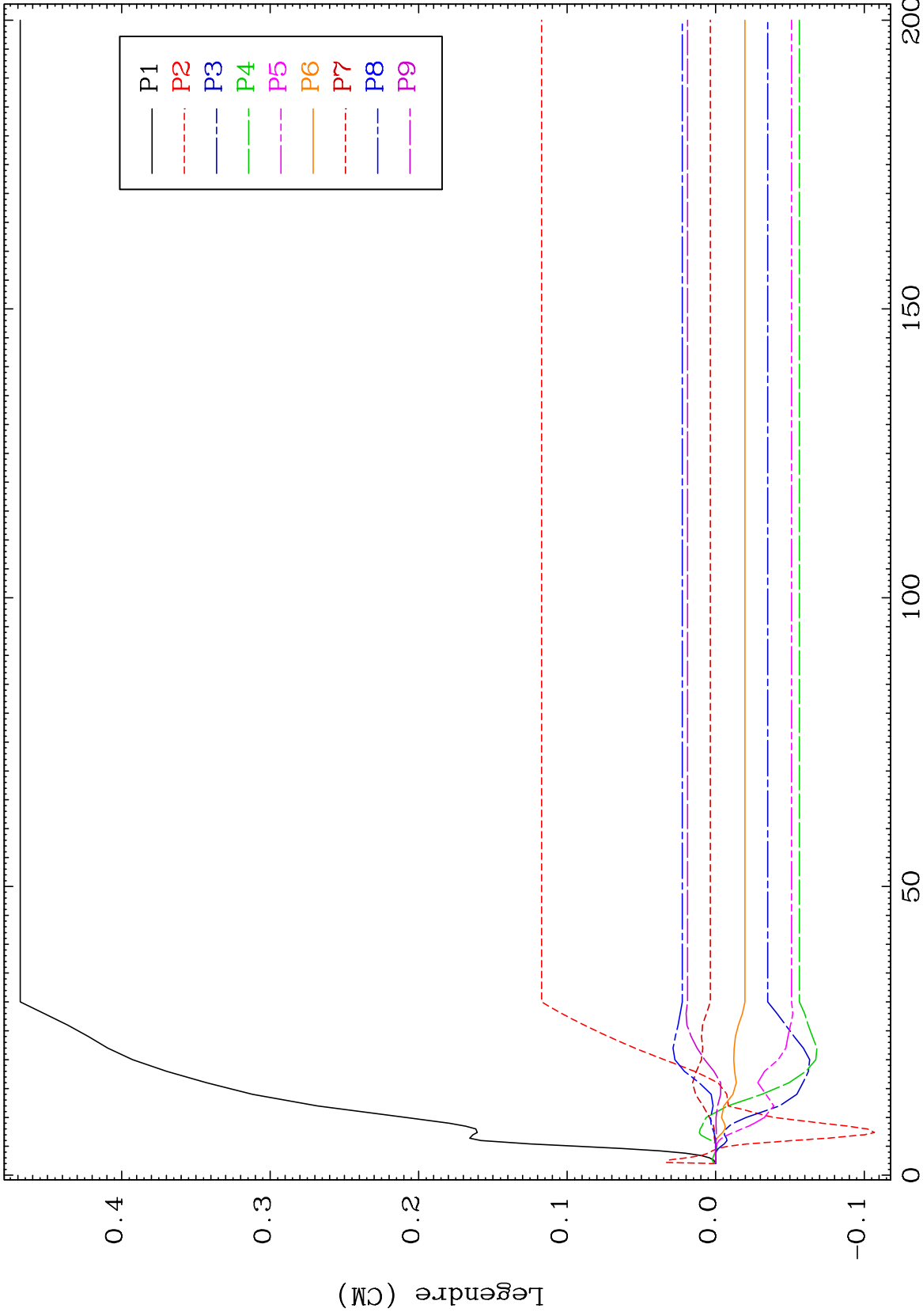
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



81-T1-197

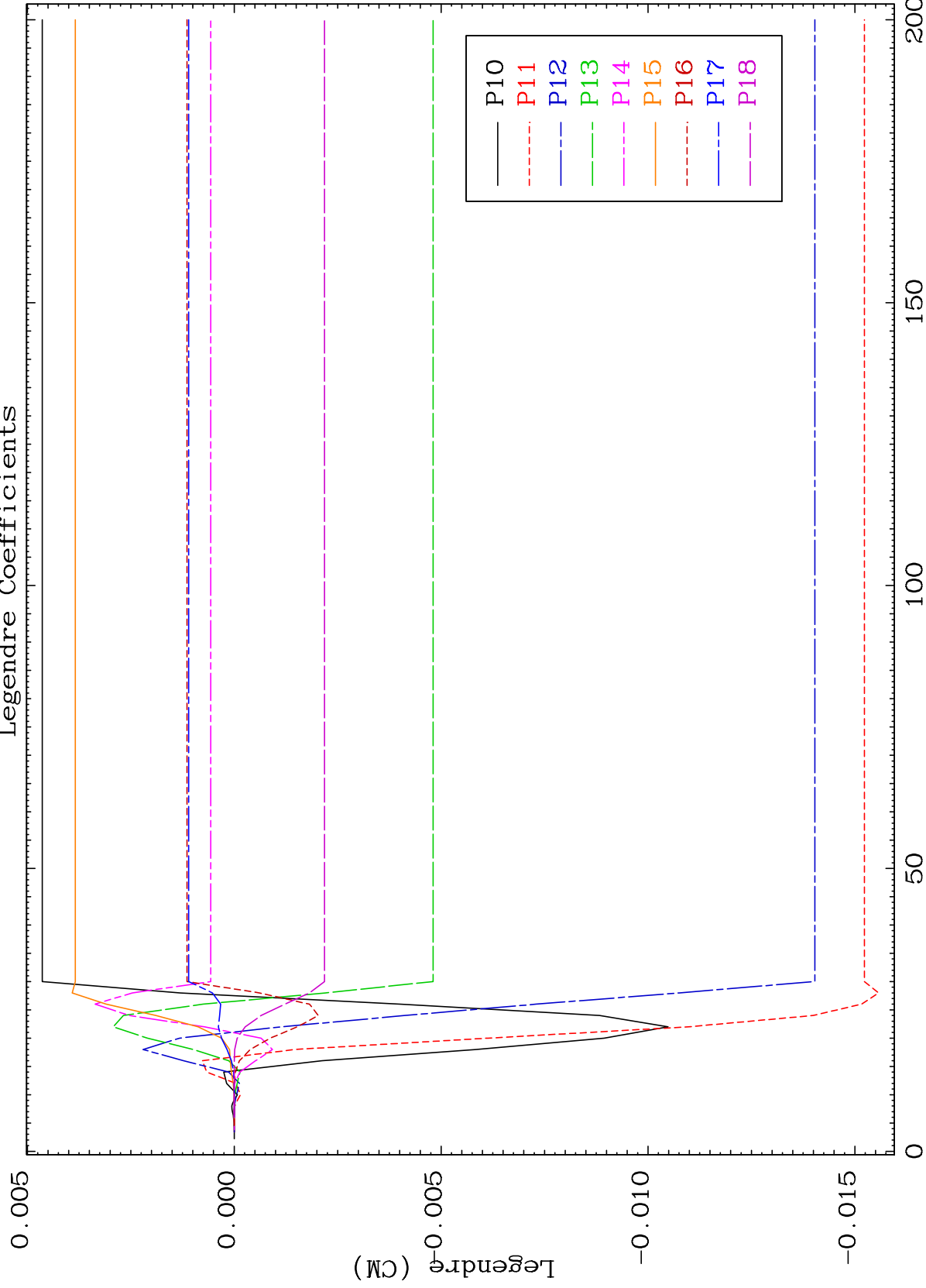
Incident Energy (MeV)

102

MAT 8107

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

81-T1-197



103

Incident Energy (MeV)

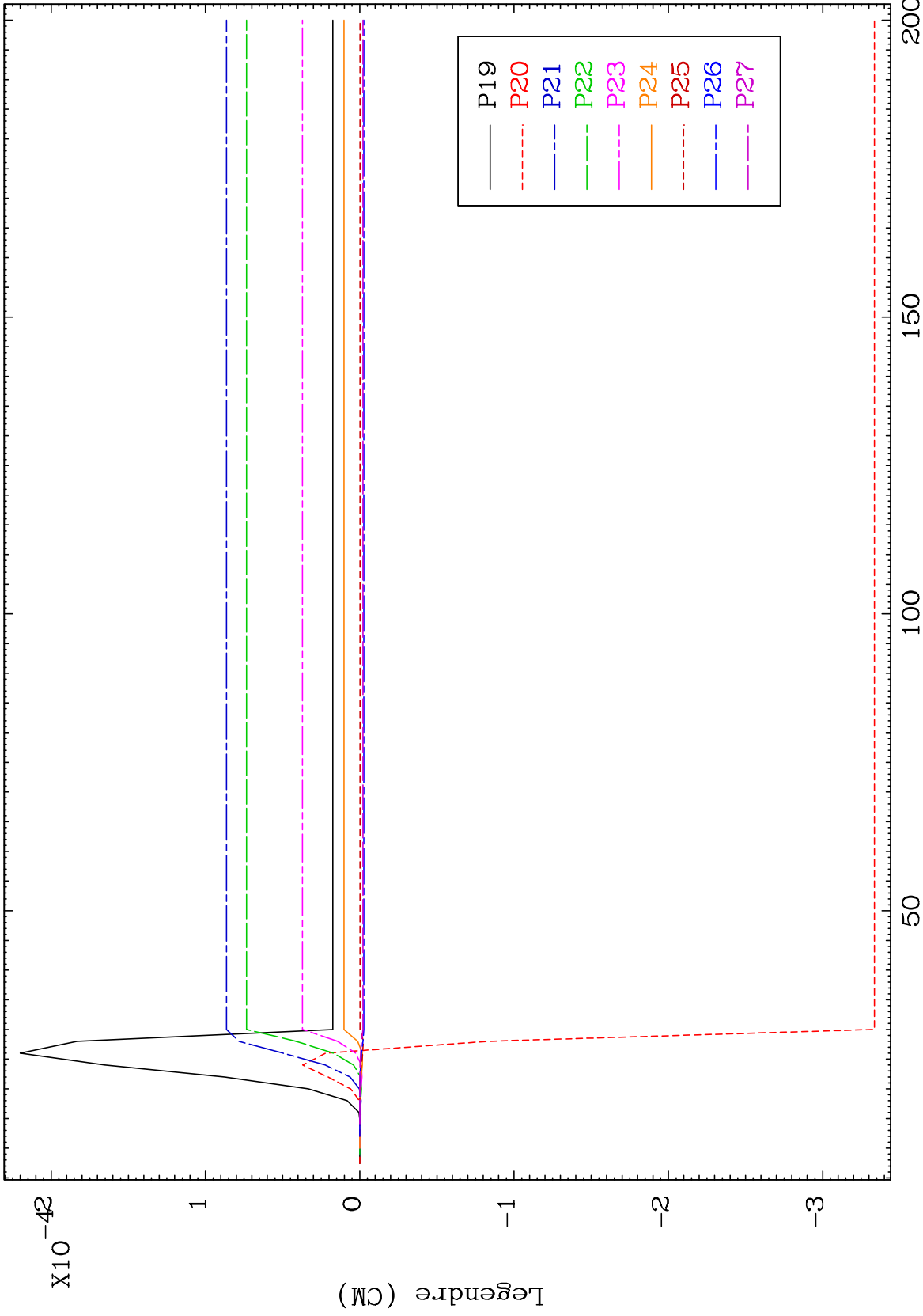
81-T1-197



MAT 8107

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

81-T1-197



104

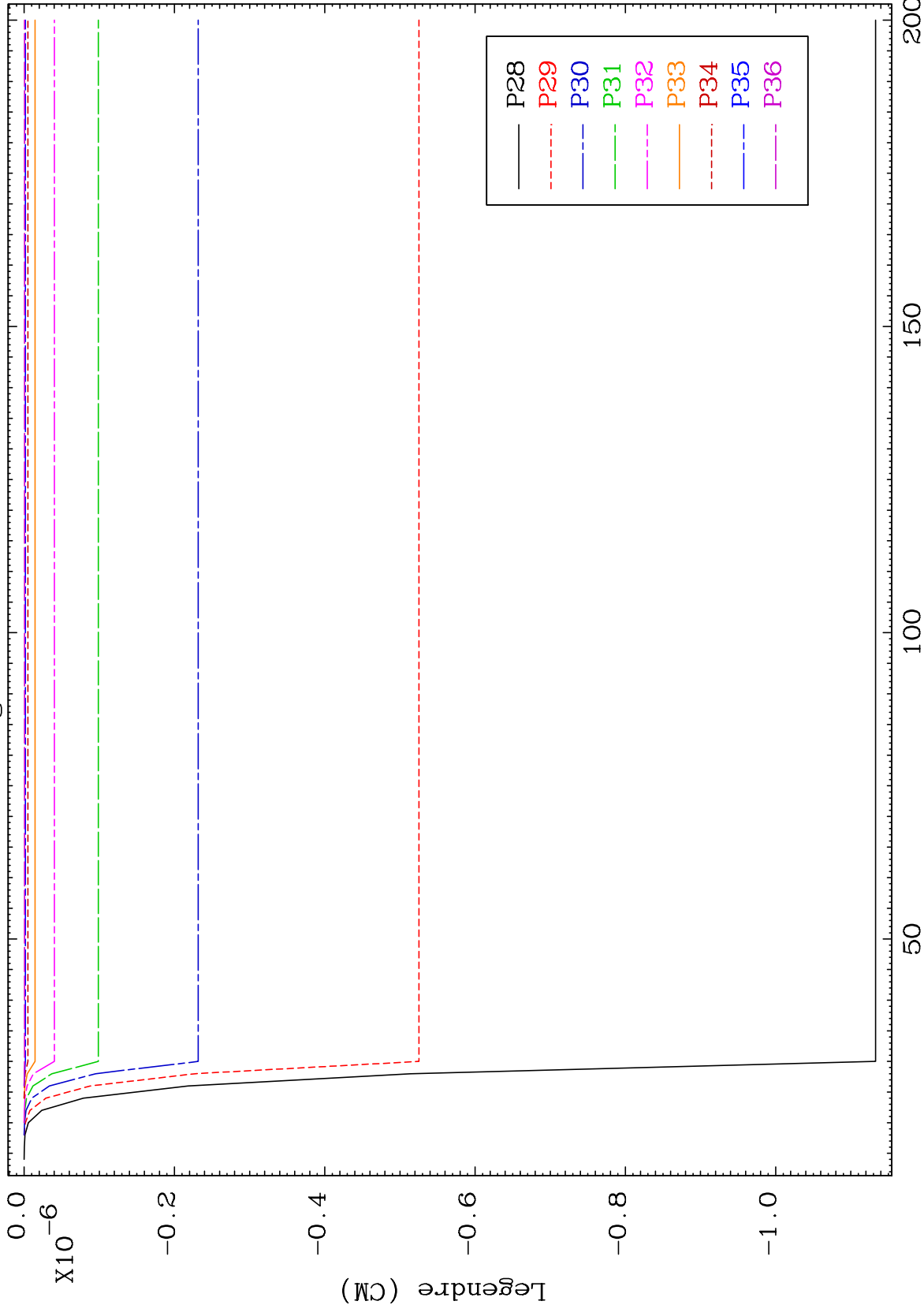
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-Tl-197



81-Tl-197

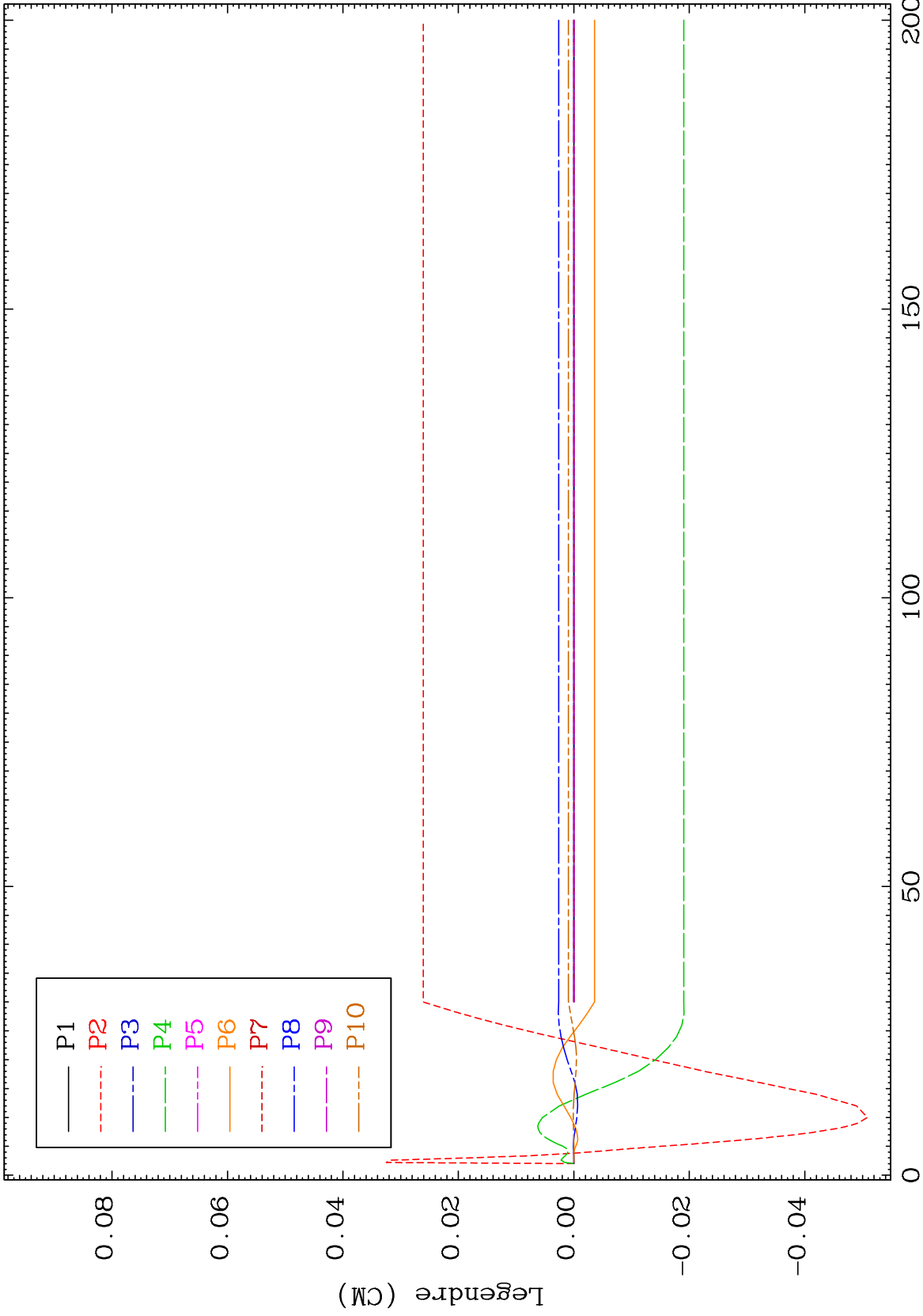
Incident Energy (MeV)

105

MAT 8107

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

81-T1-197



106

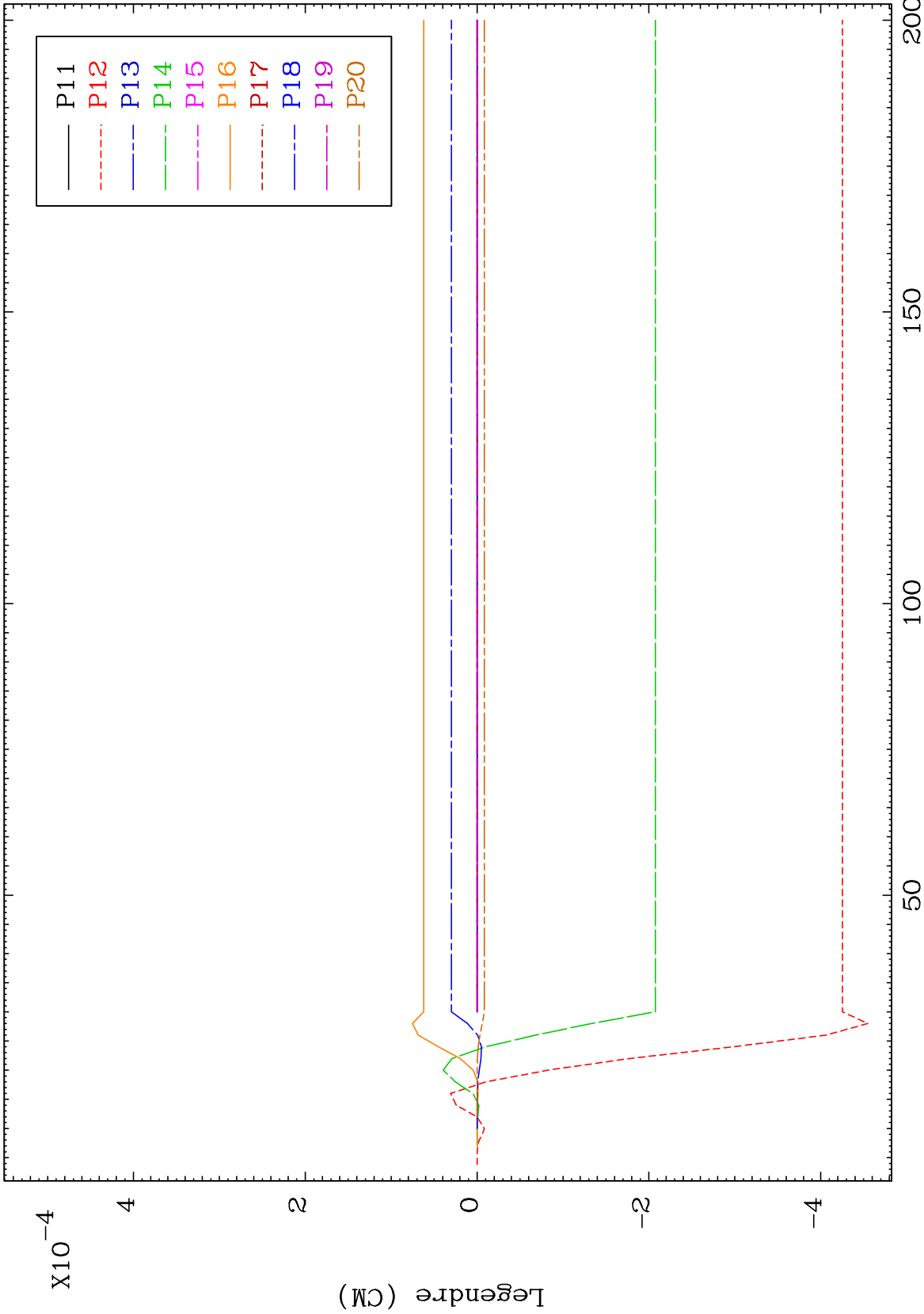
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



107

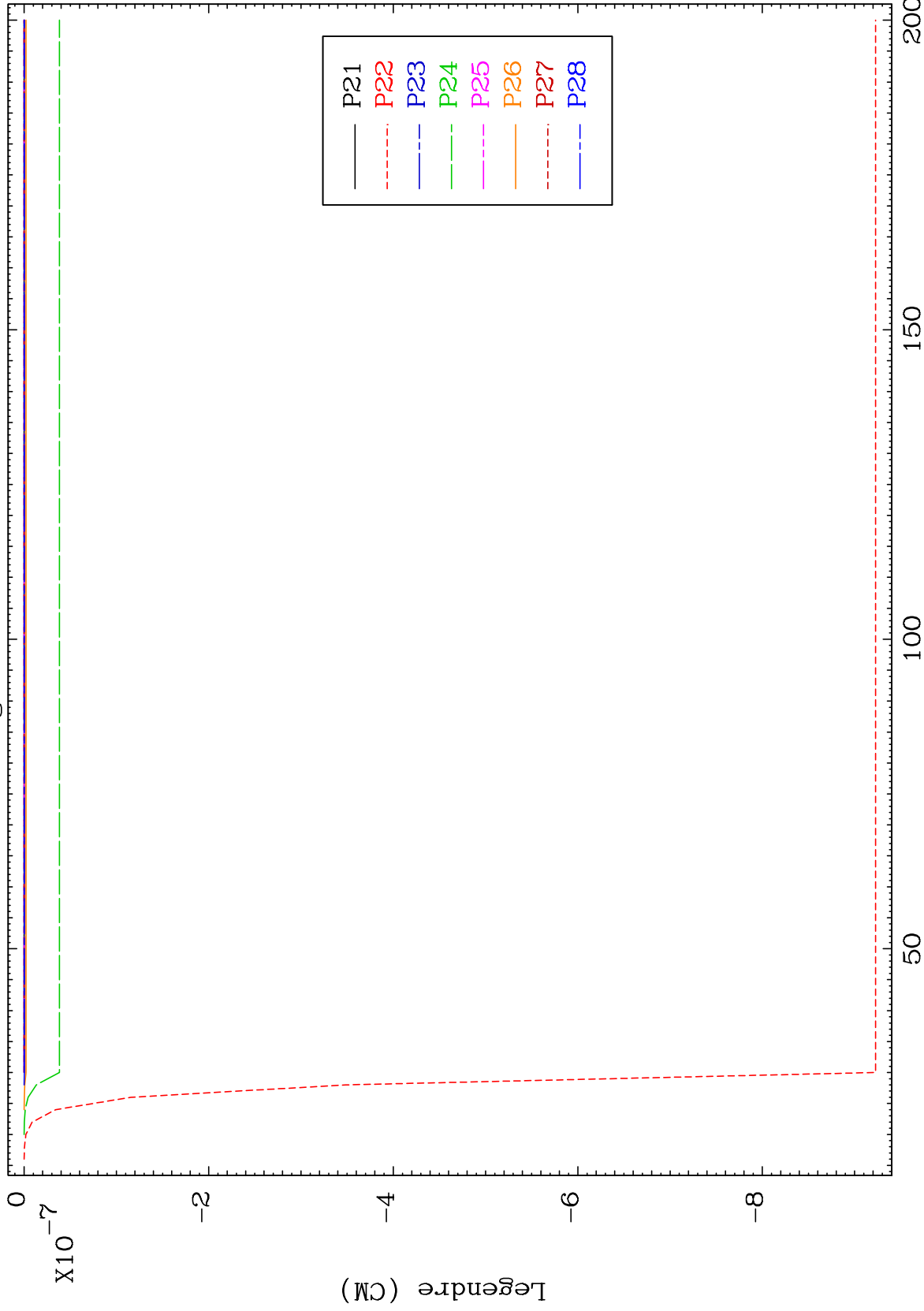
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



108

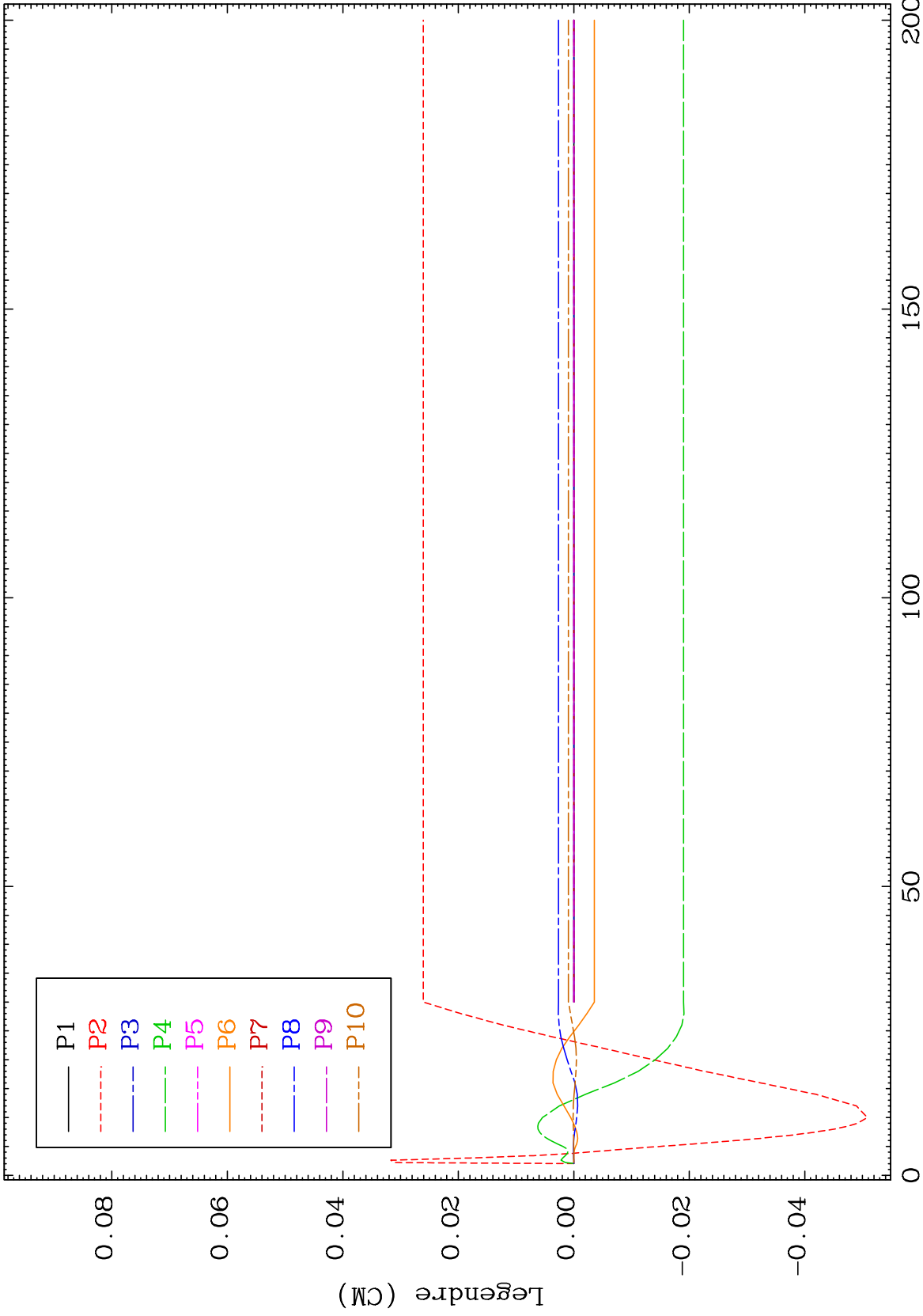
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



109

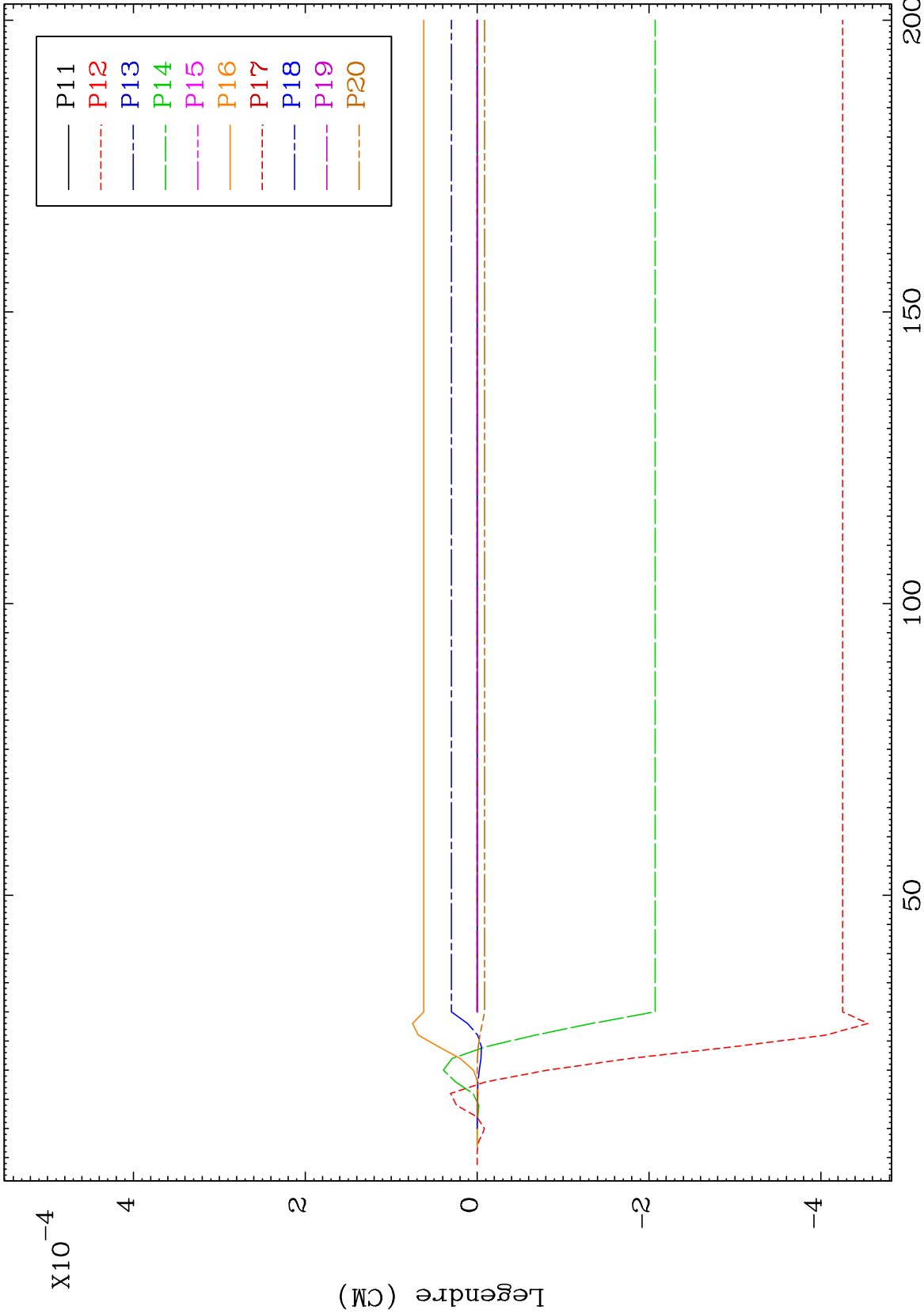
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



110

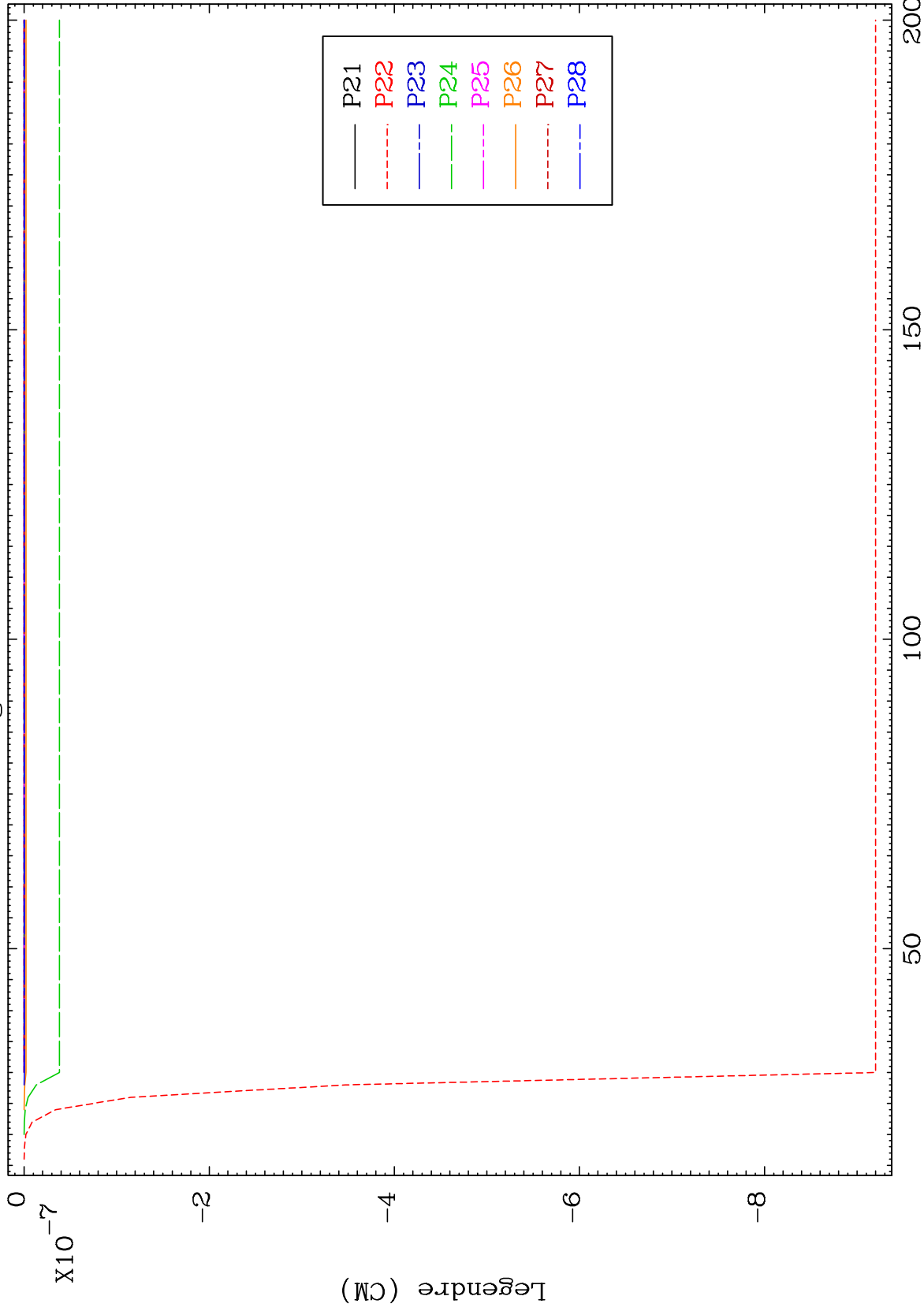
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



111

Incident Energy (MeV)

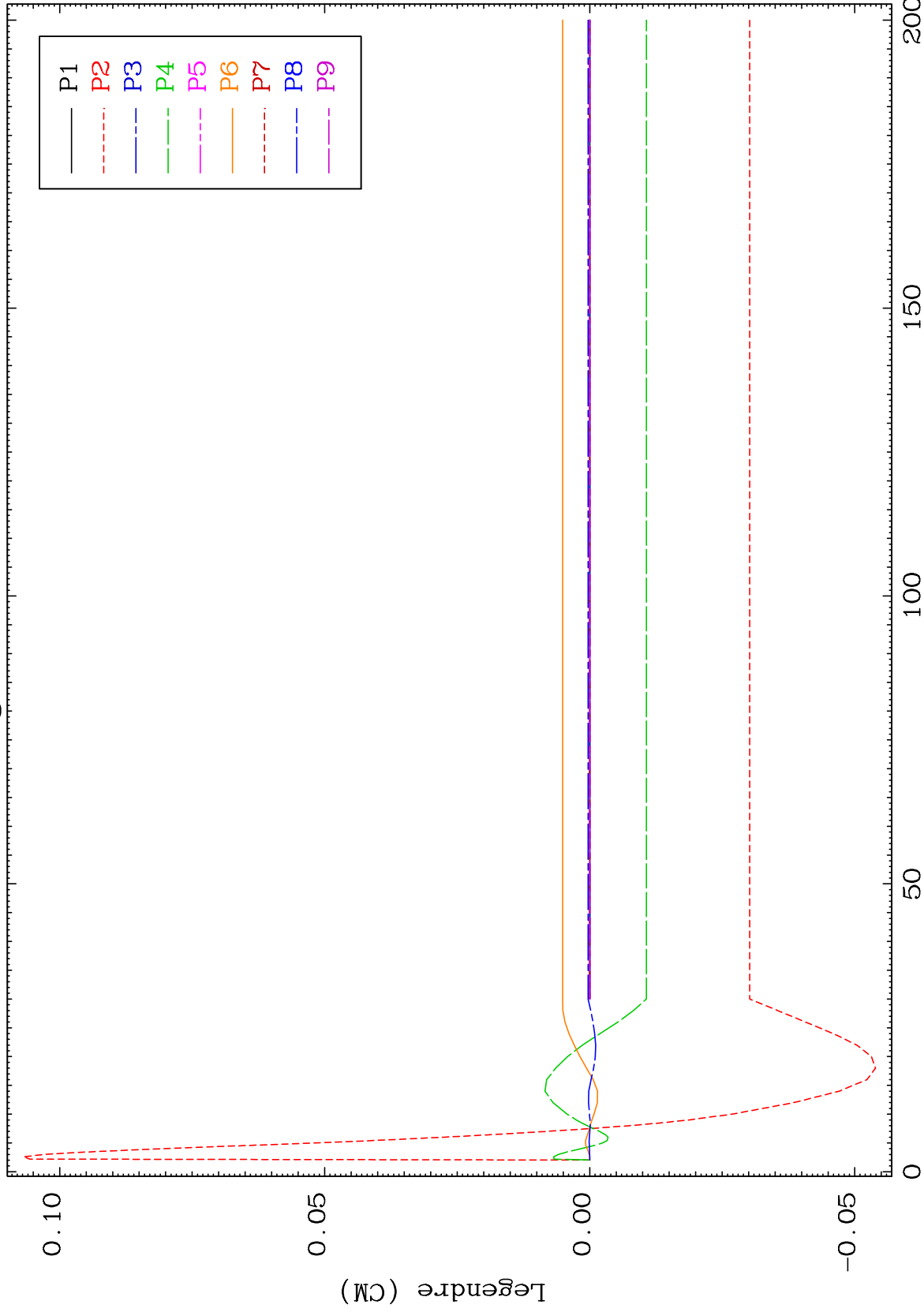
81-T1-197



MAT 8107

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

81-T1-197



112

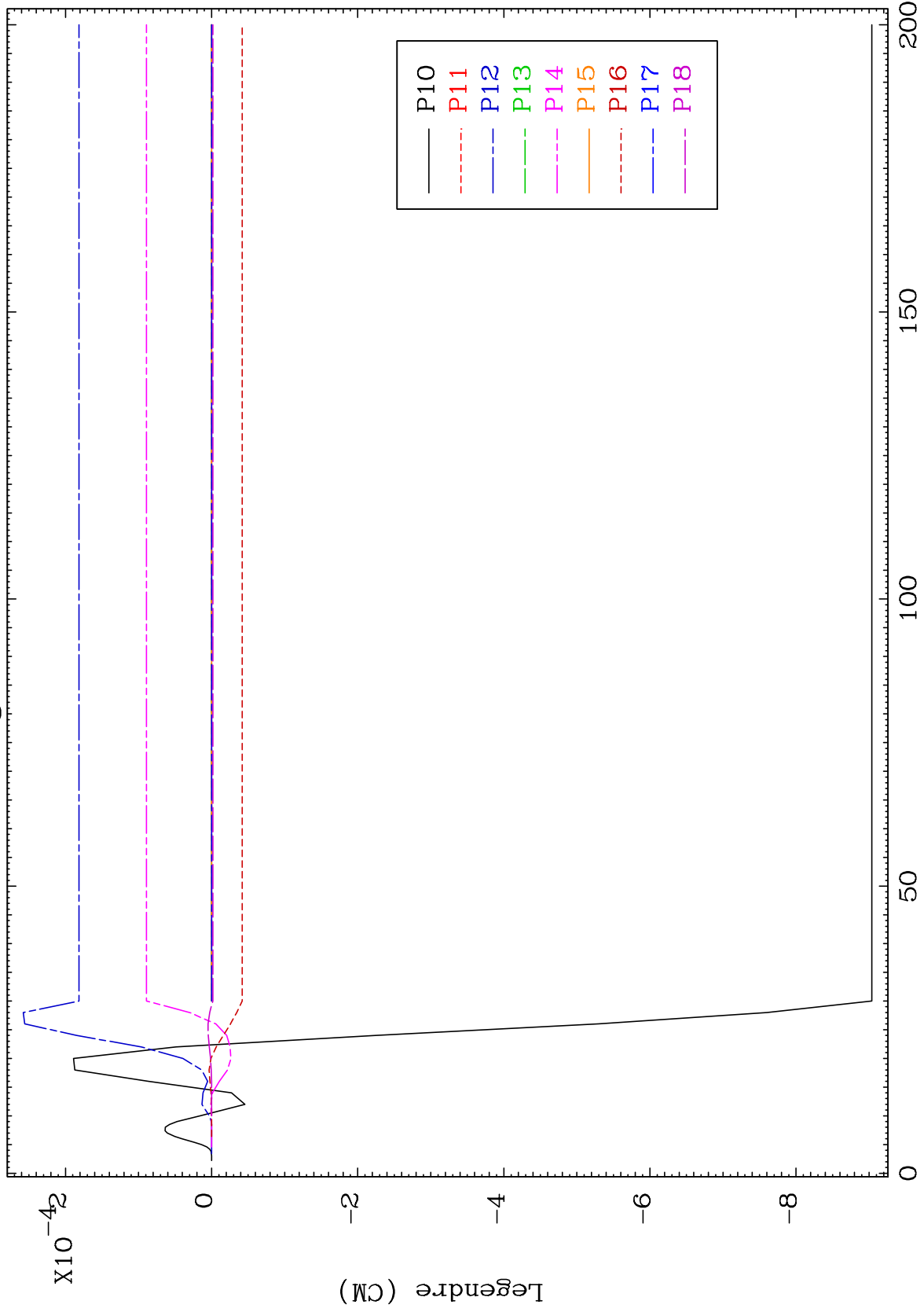
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



113

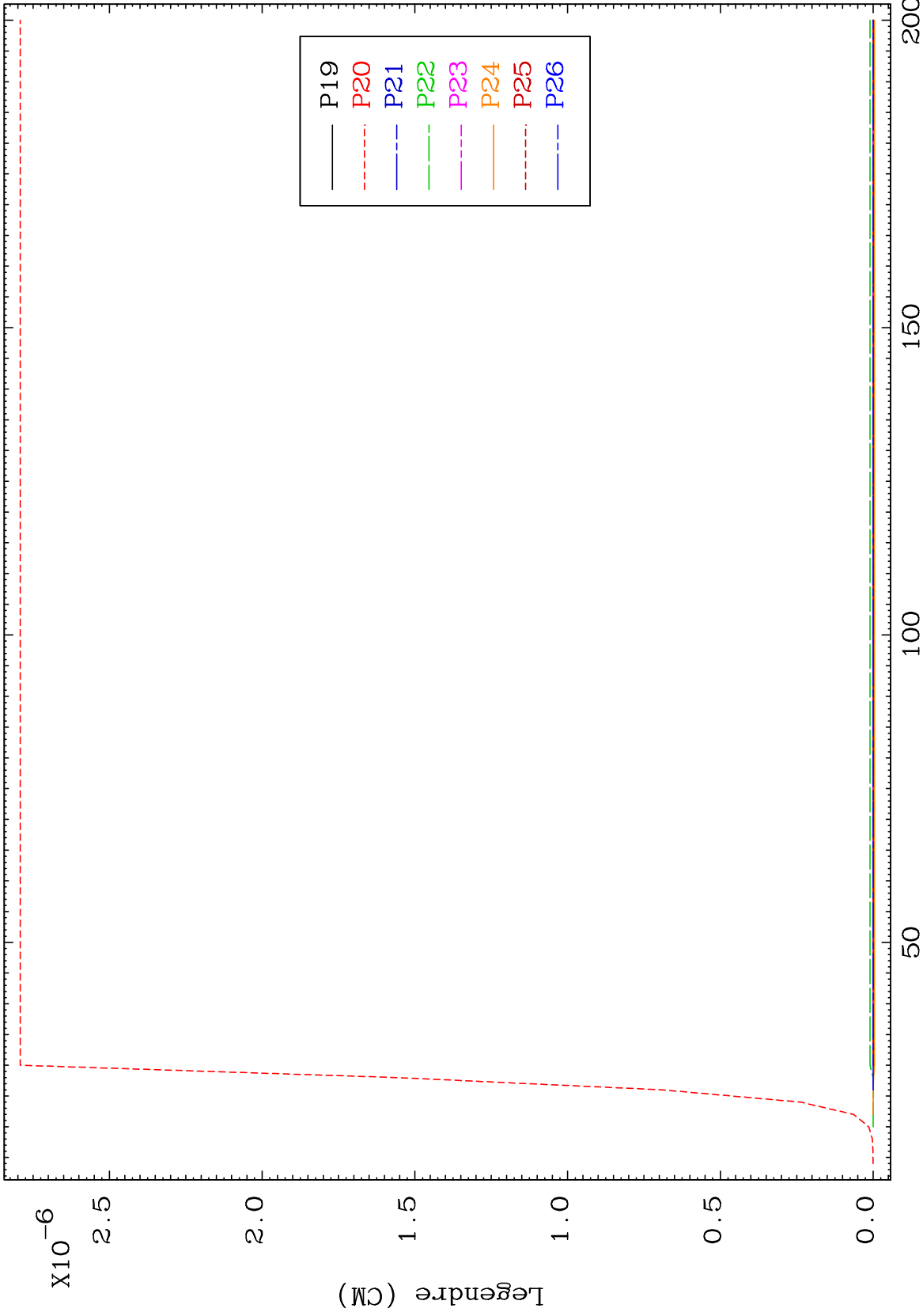
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



114

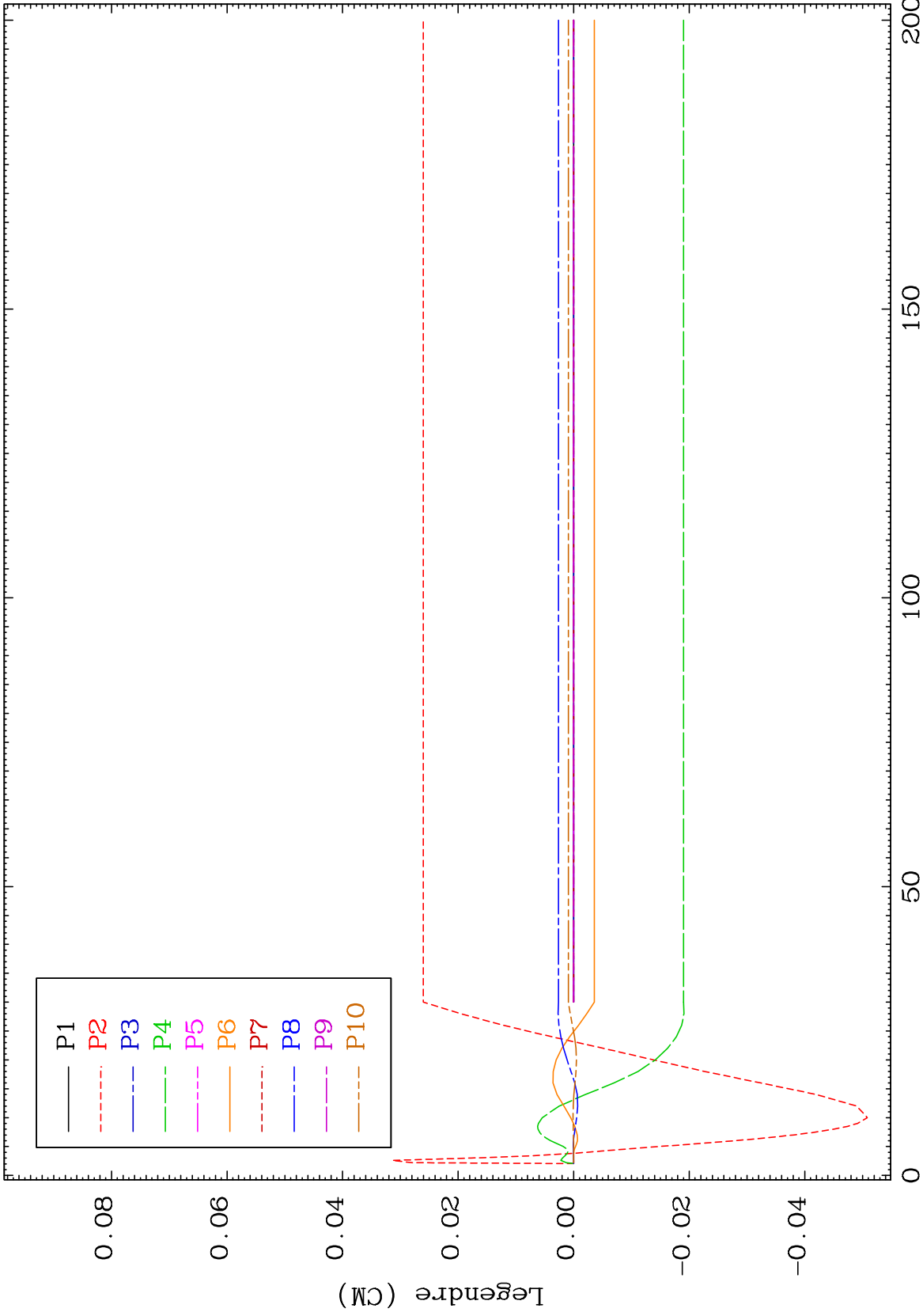
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



115

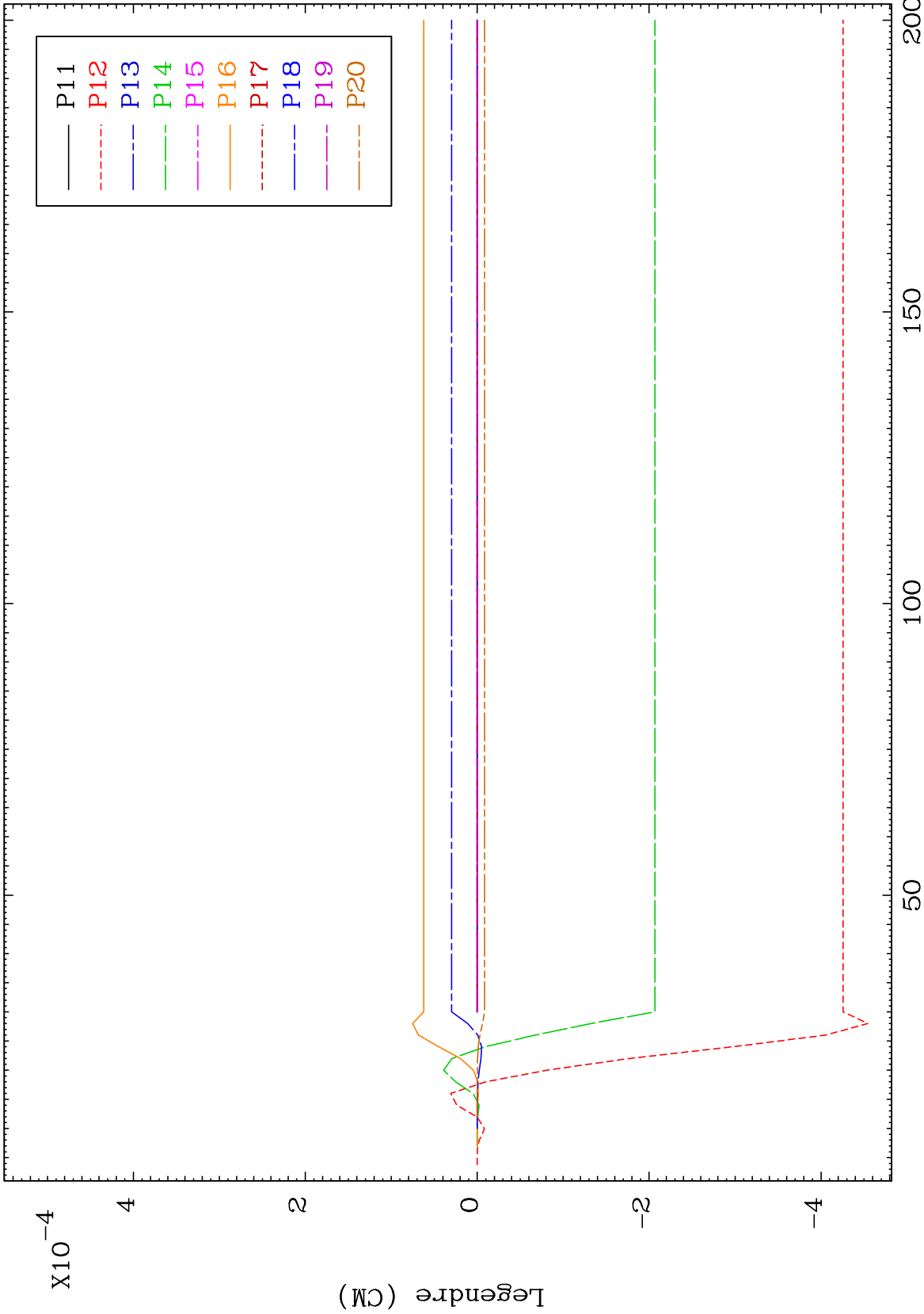
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



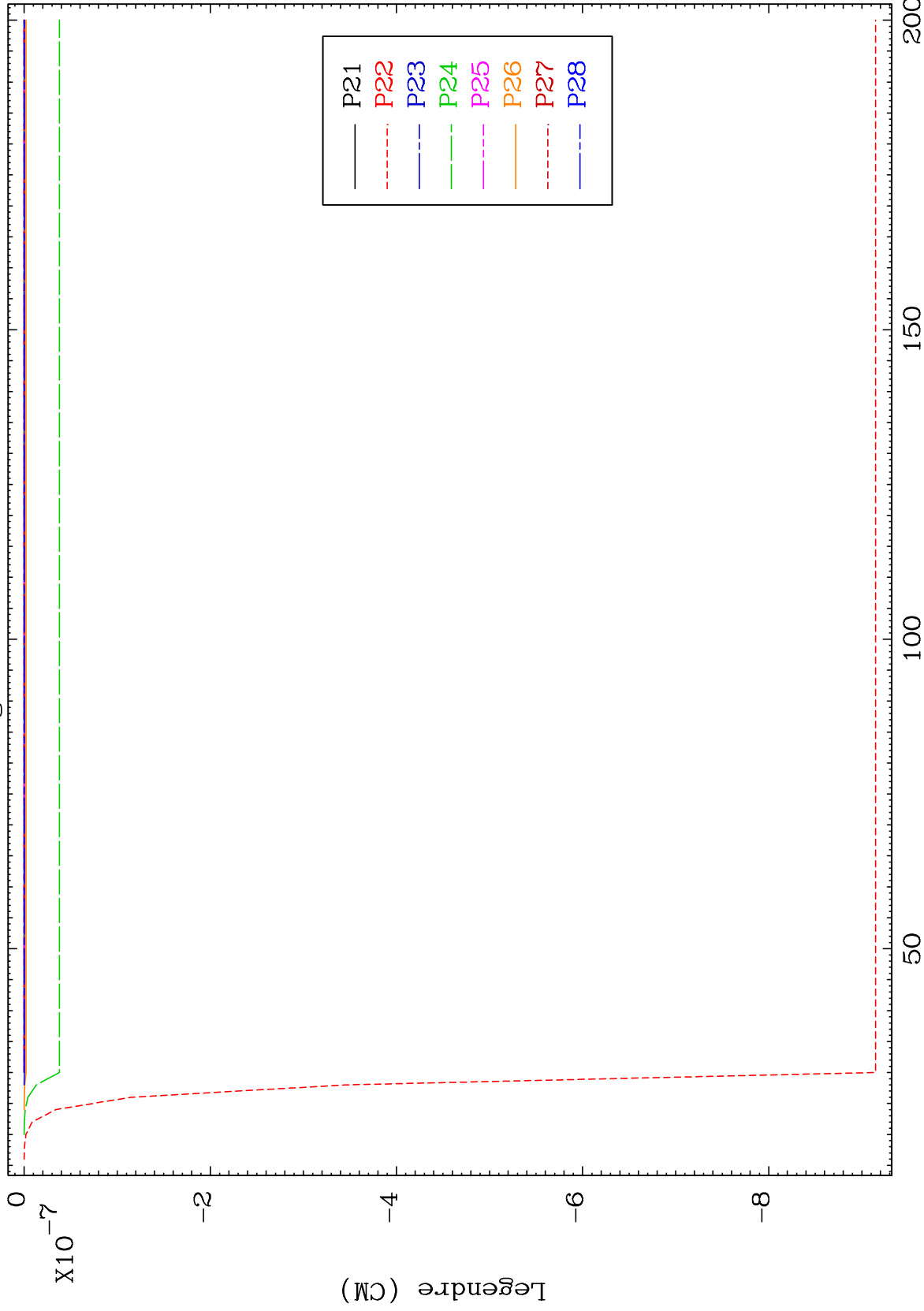
116

81-T1-197

MAT 8107

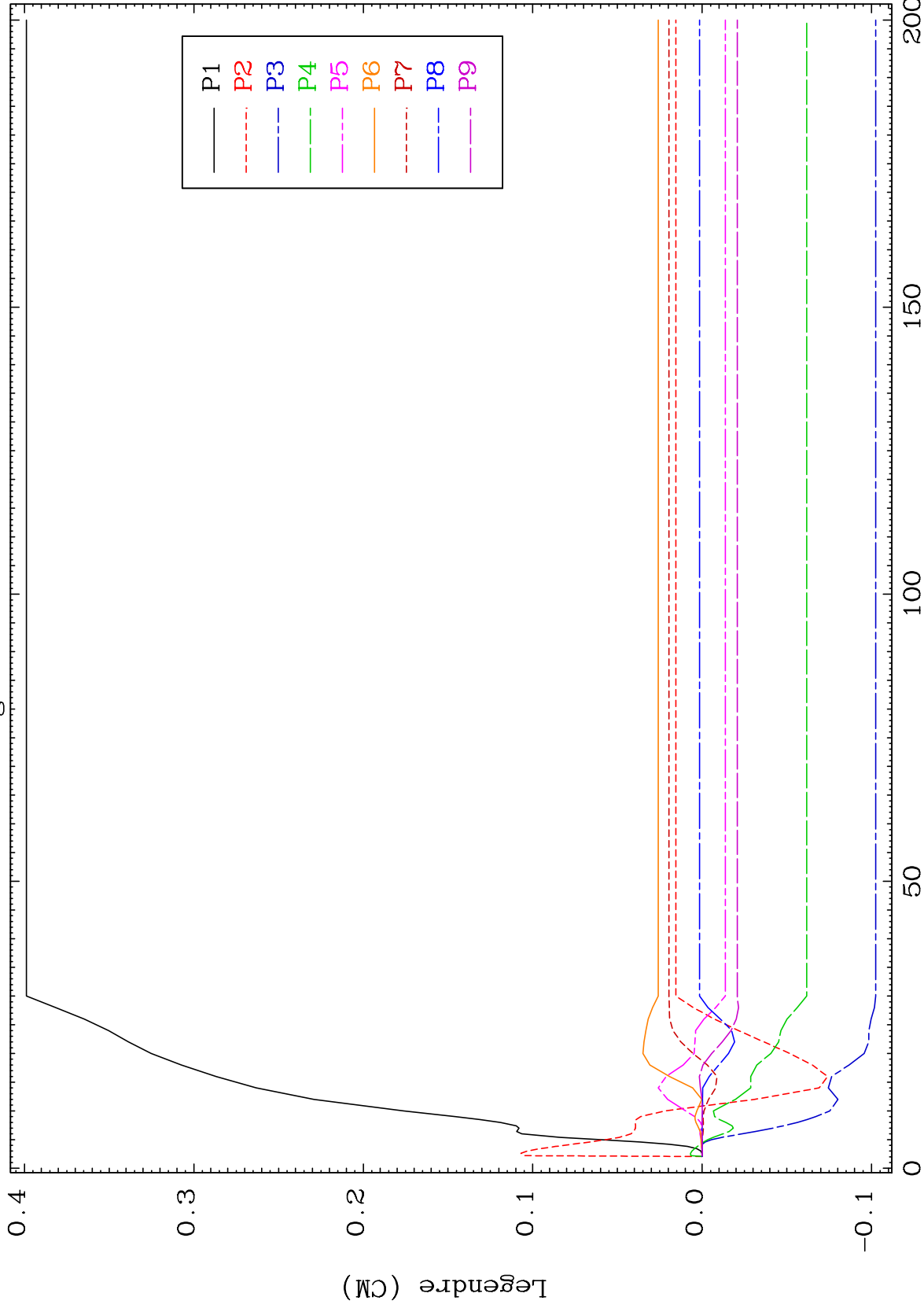
MT= 76 (n,n') Level  
Legendre Coefficients

81-T1-197



117

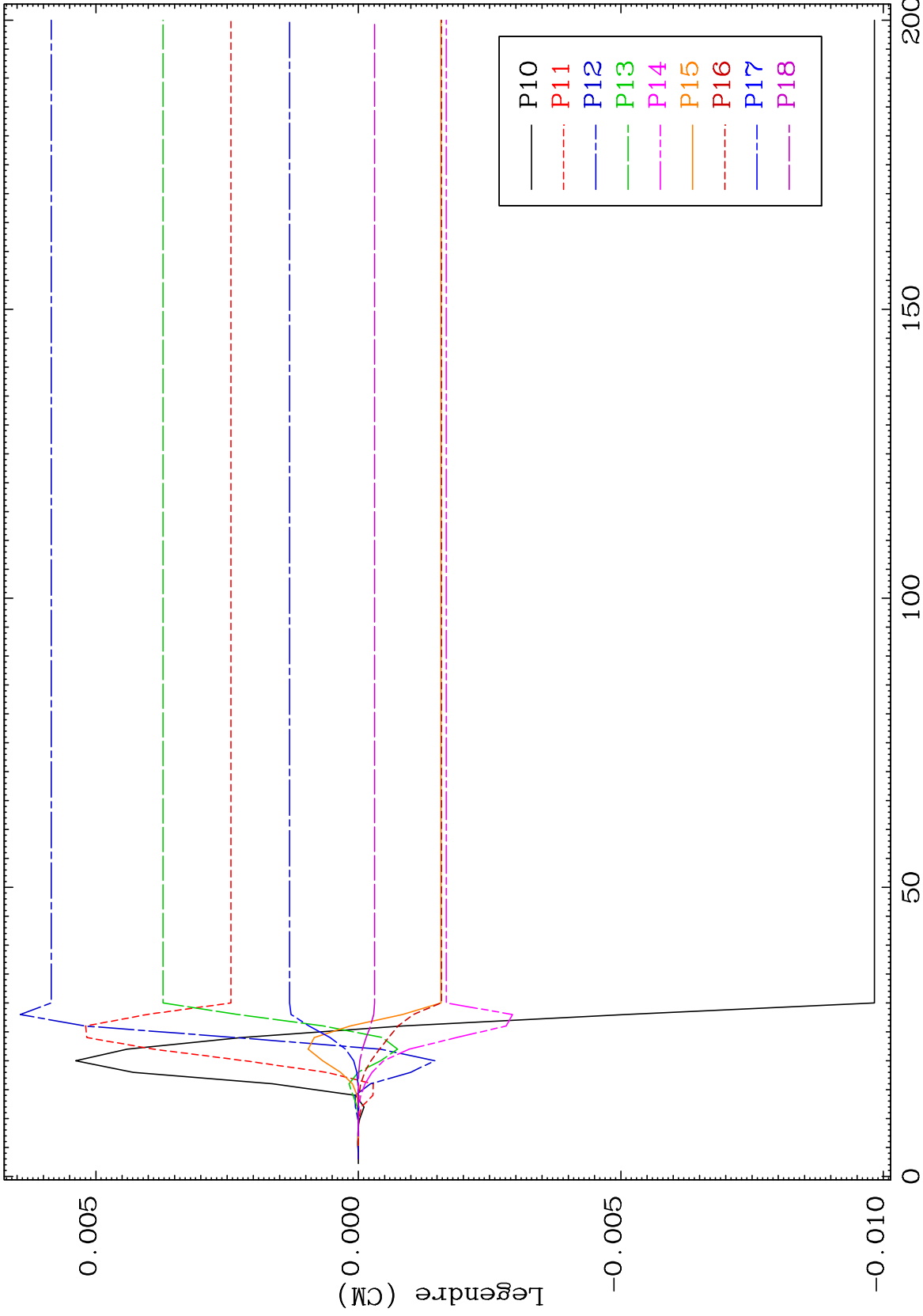
81-T1-197



MAT 8107

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

81-T1-197



119

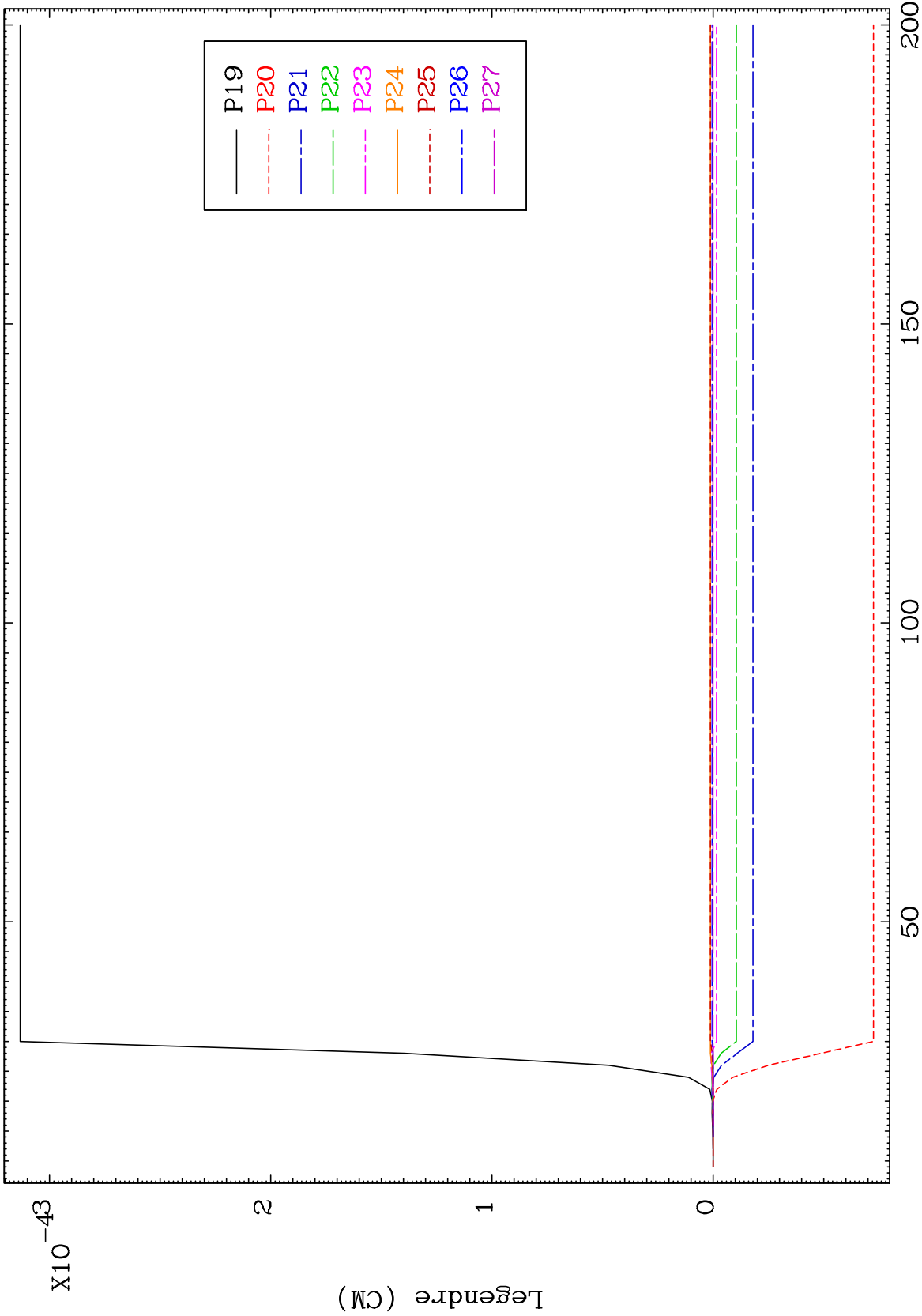
81-T1-197



MAT 8107

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

81-T1-197



120

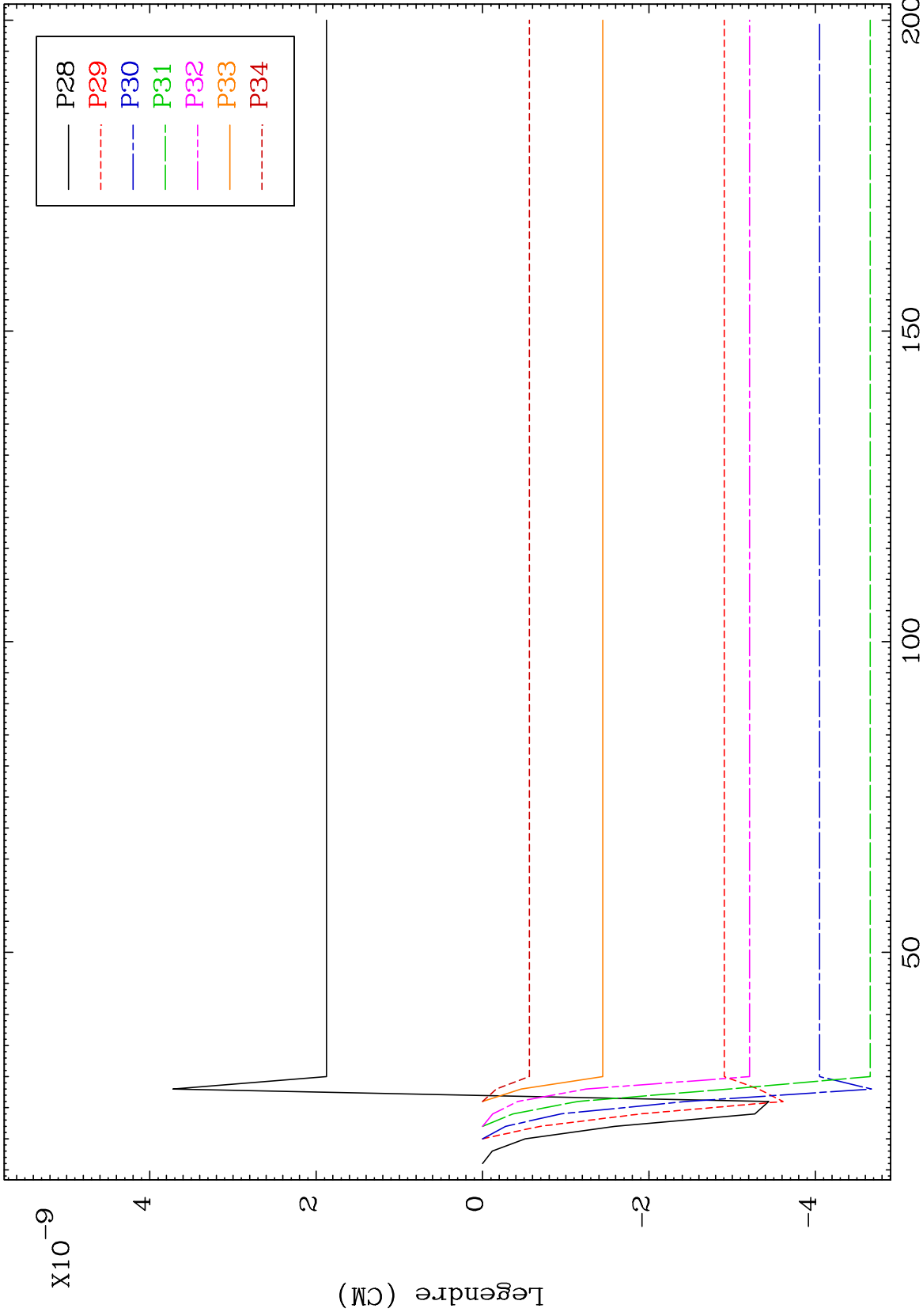
Incident Energy (MeV)

81-T1-197

MAT 8107

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

81-T1-197



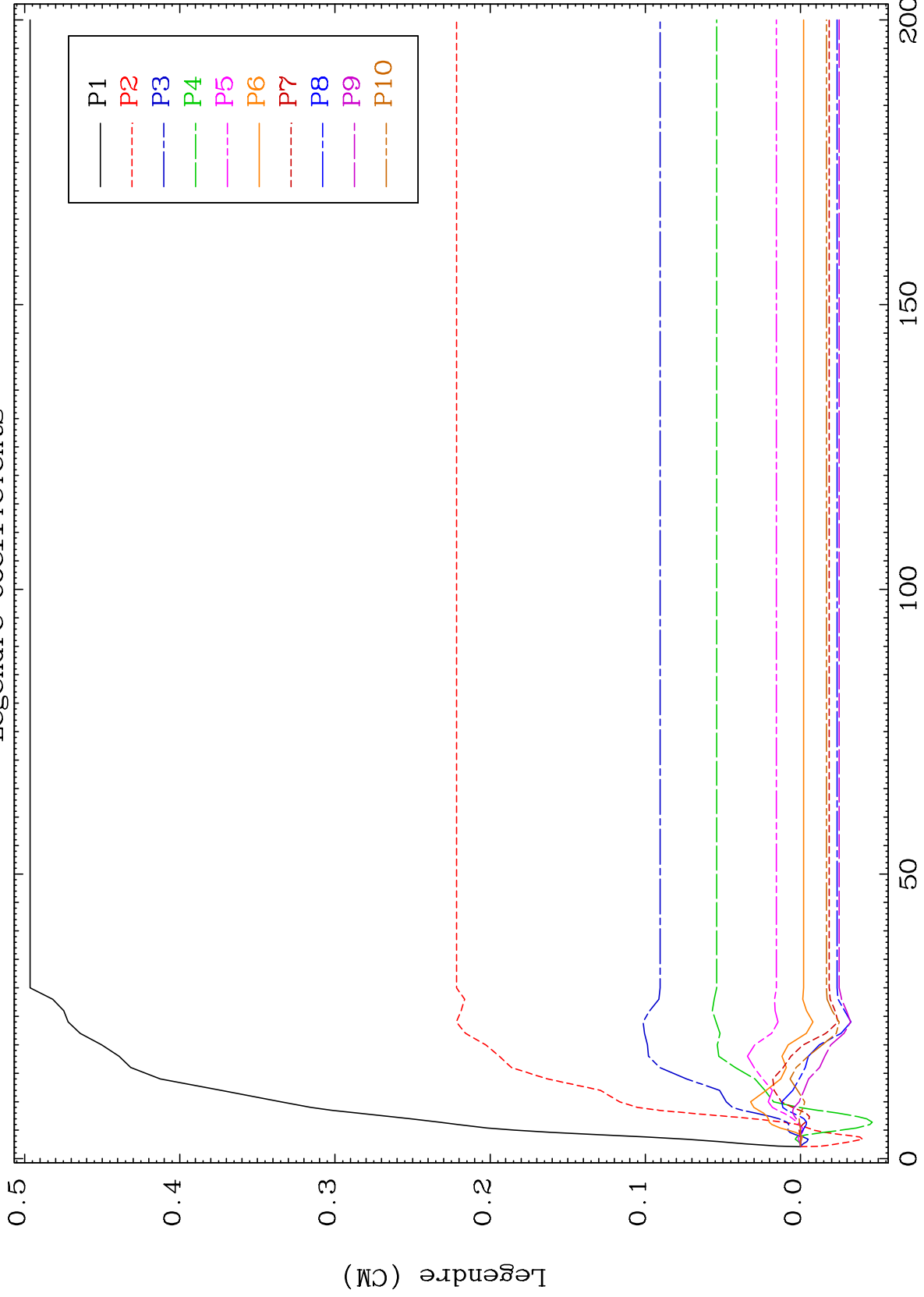
121

81-T1-197

MAT 8107

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

81-T1-197



122

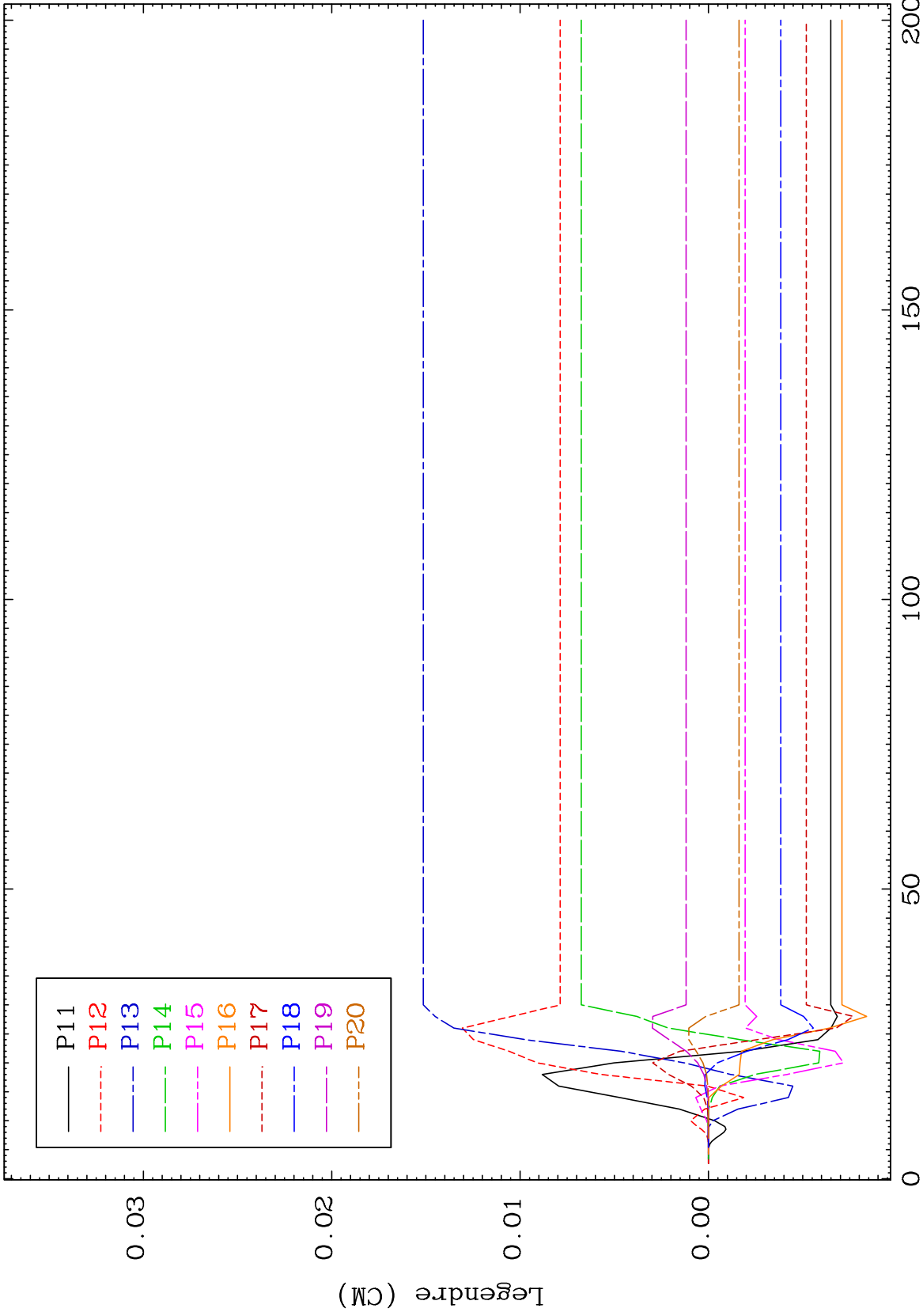
Incident Energy (MeV)

81-T1-197

MAT 8107

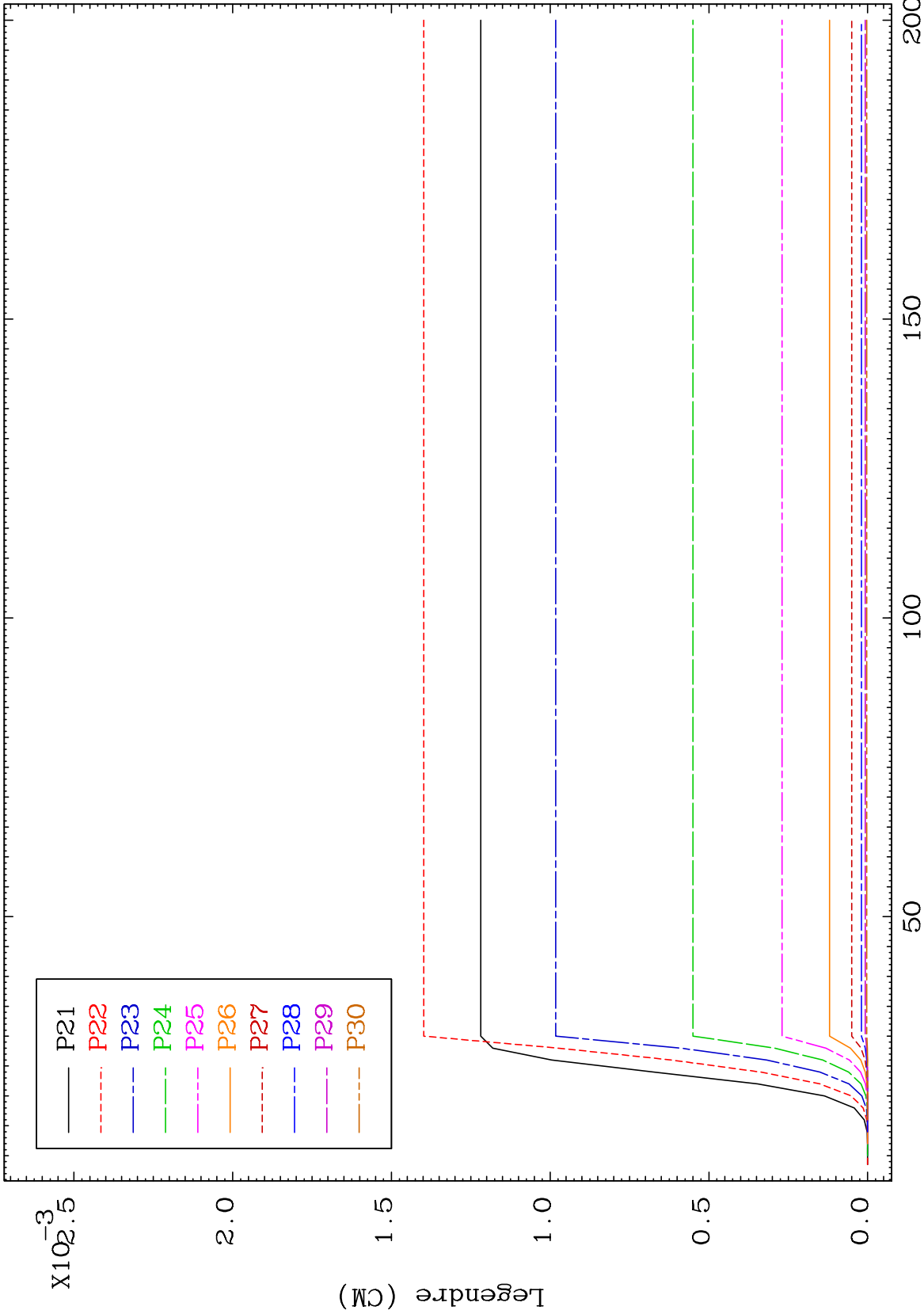
MT= 78 (n,n') Level  
Legendre Coefficients

81-T1-197



123

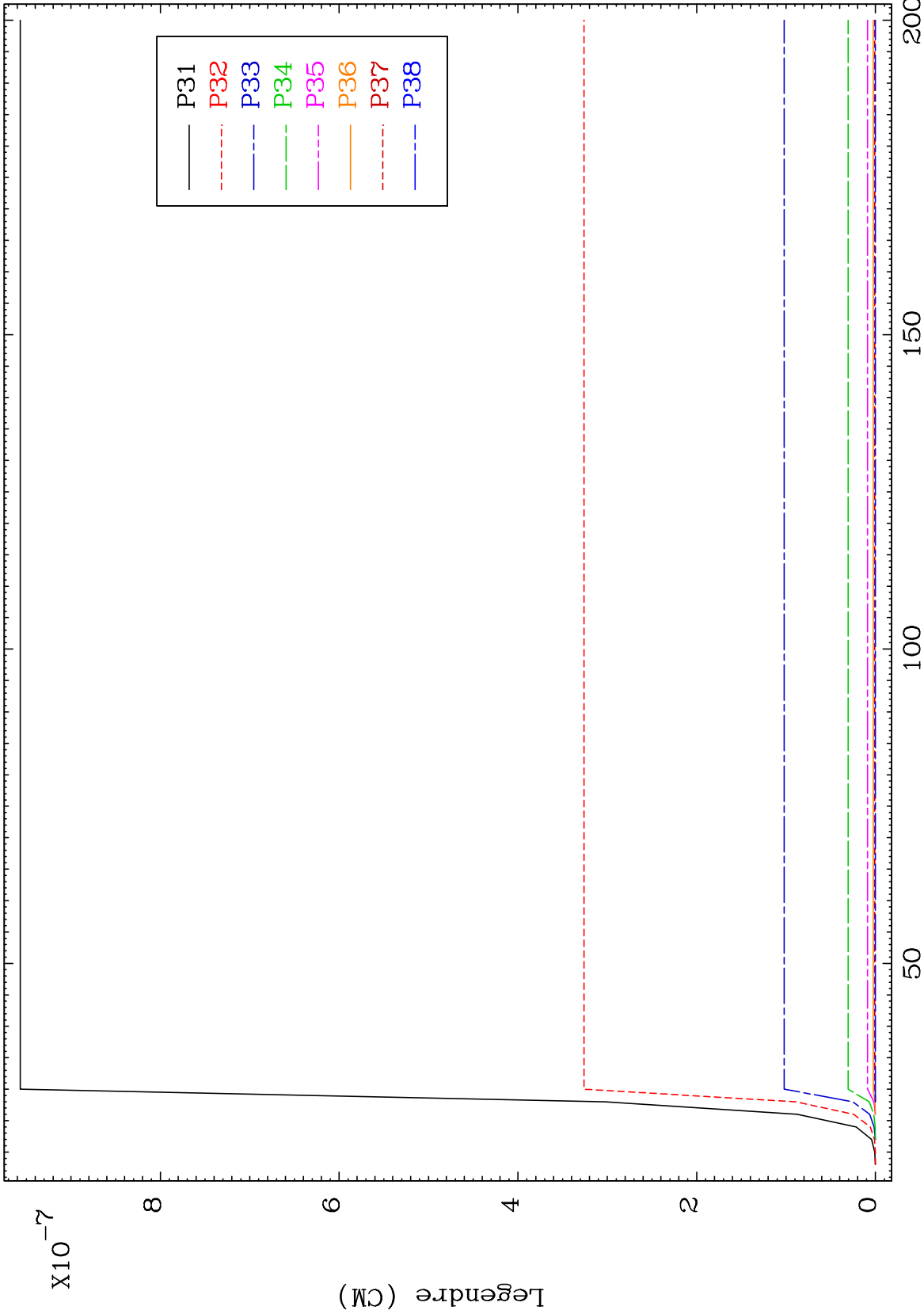
81-T1-197



MAT 8107

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

81-T1-197



125

Incident Energy (MeV)

150

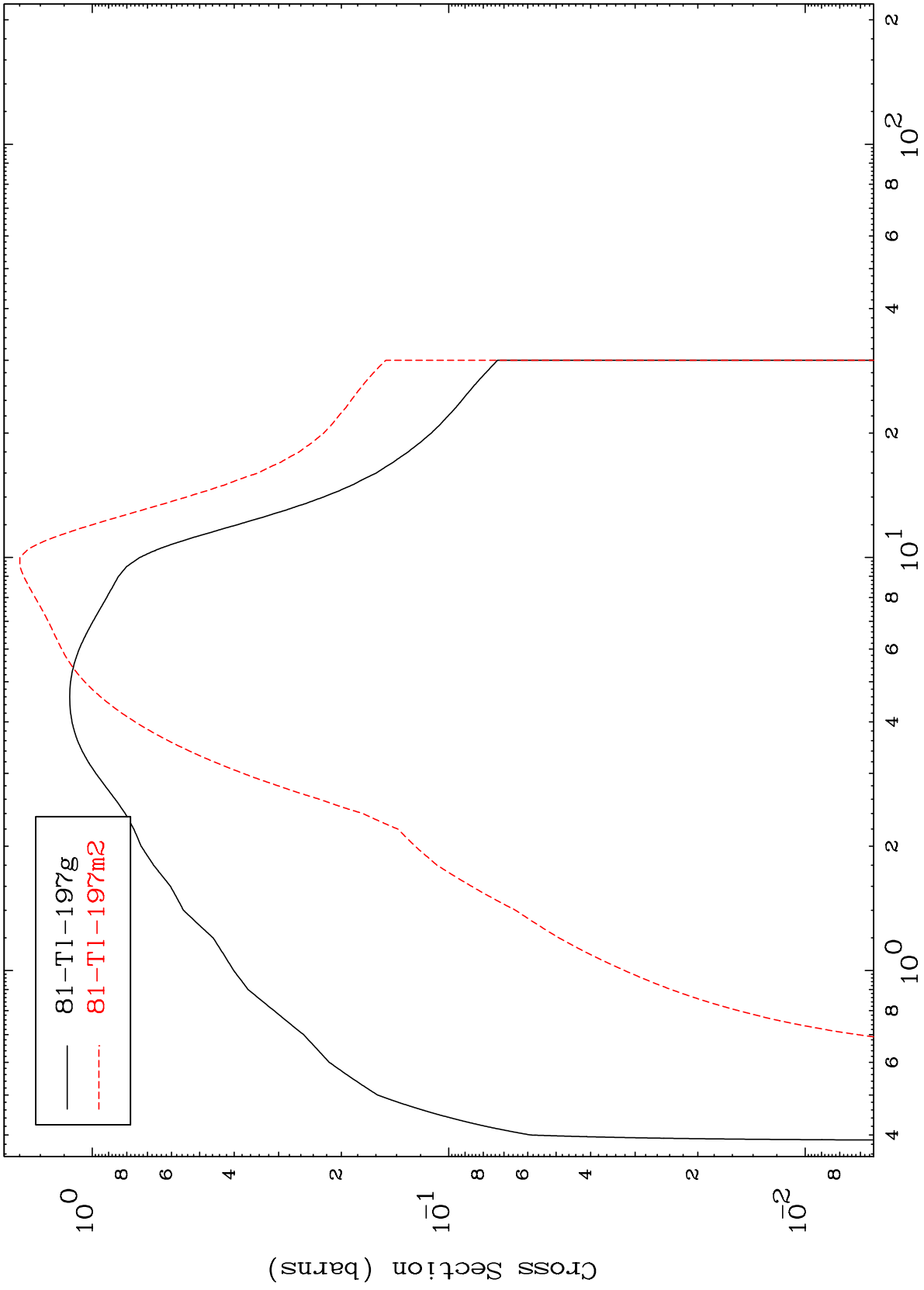
200

81-T1-197

MAT 8107

81-Tl-197

### Inelastic Radionuclide Production Cross Section



126

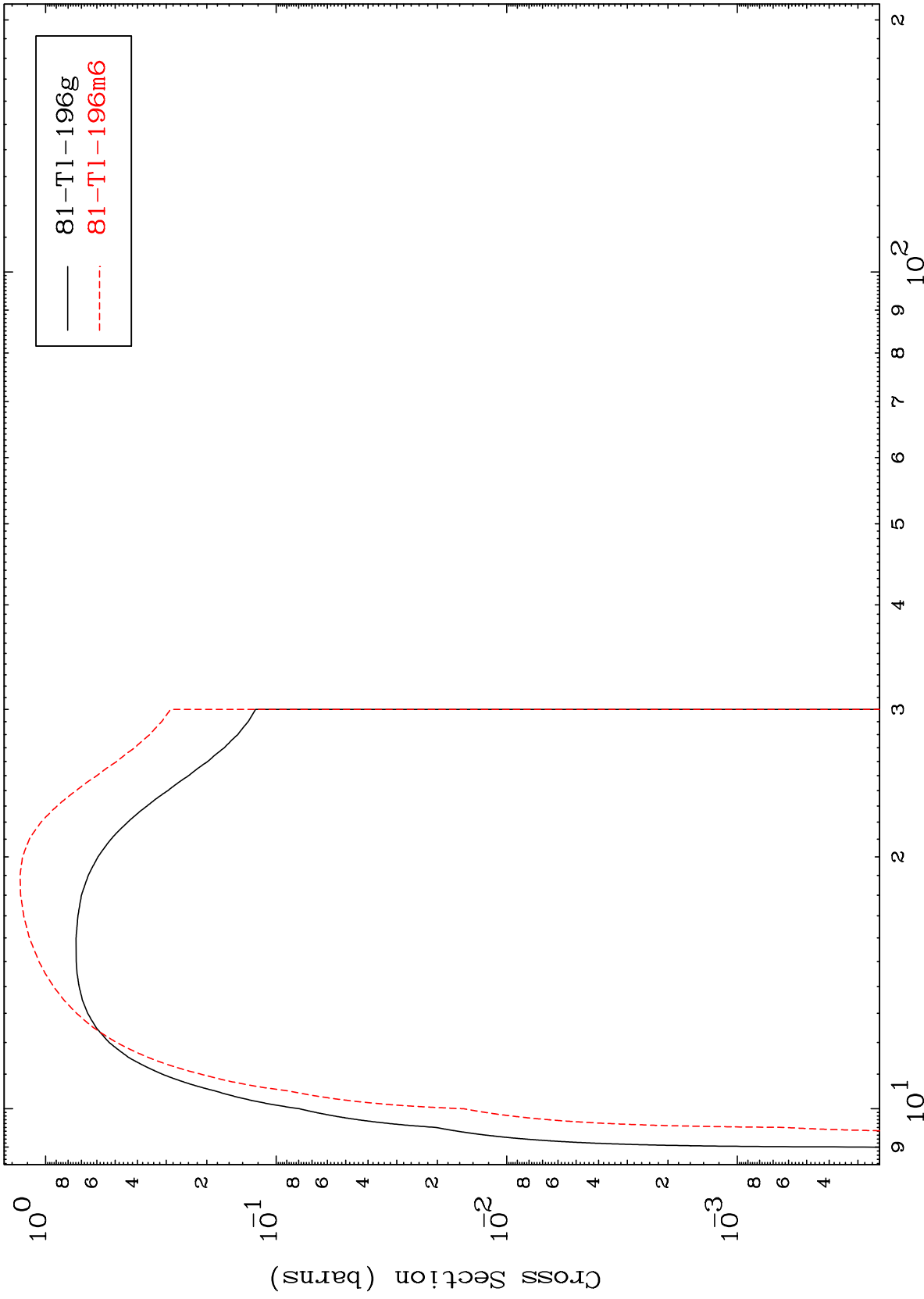
81-Tl-197

MAT 8107

(n,2n)

81-Tl-197

Radionuclide Production Cross Section



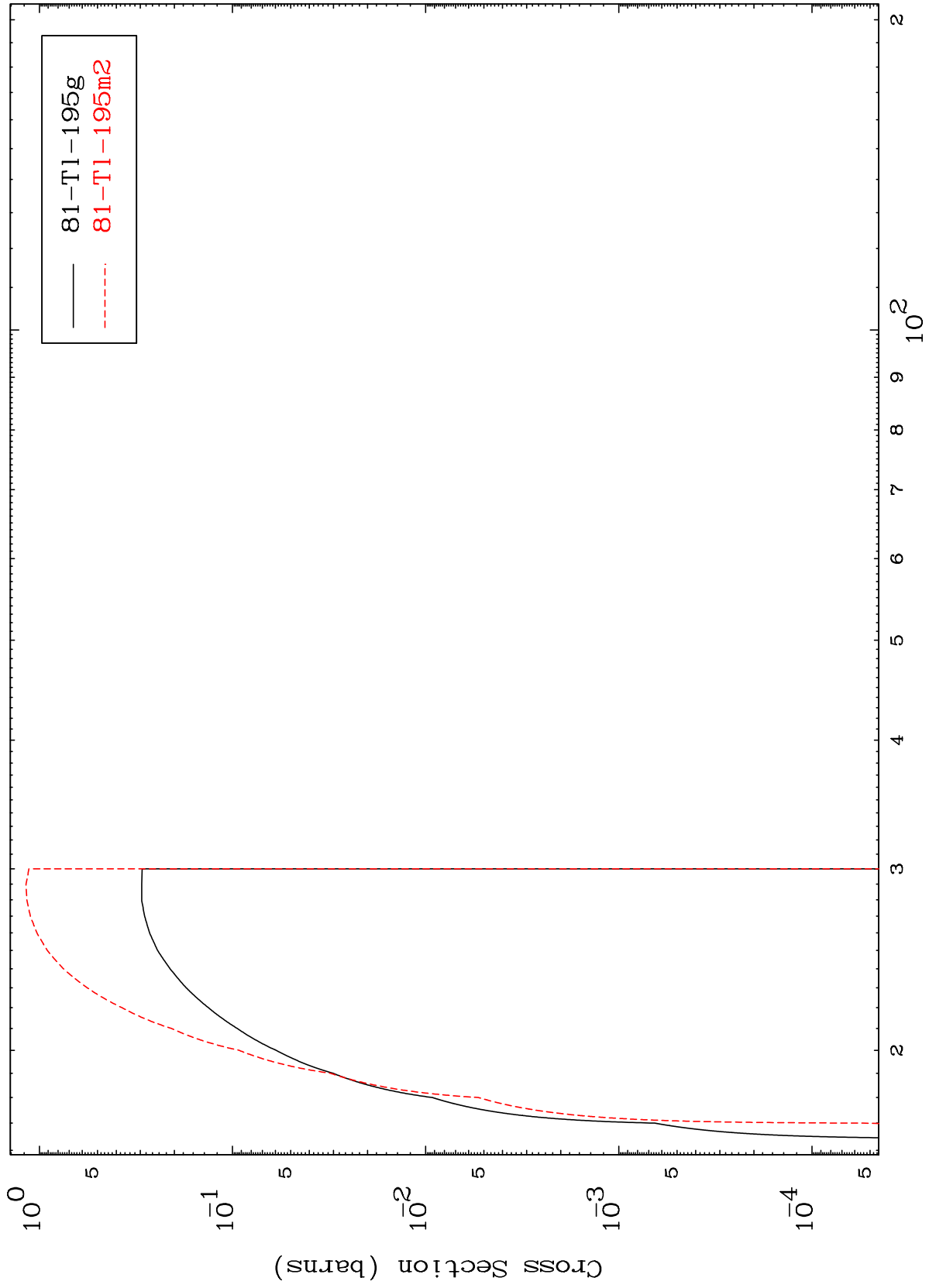
127

Incident Energy (MeV)

81-Tl-197



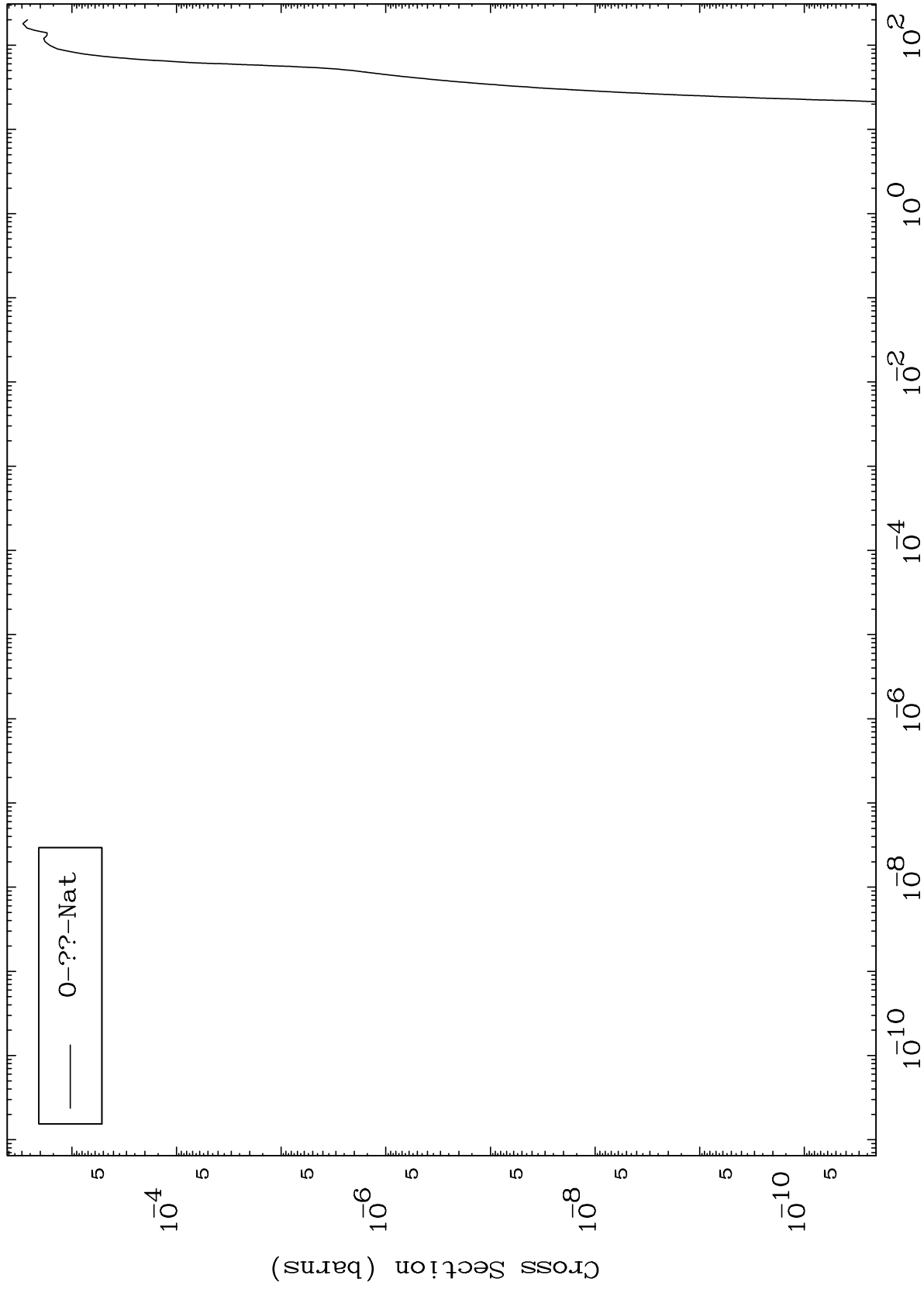
(n,3n)  
Radionuclide Production Cross Section



MAT 8107

Fission  
Radionuclide Production Cross Section

81-Tl-197



129

Incident Energy (MeV)

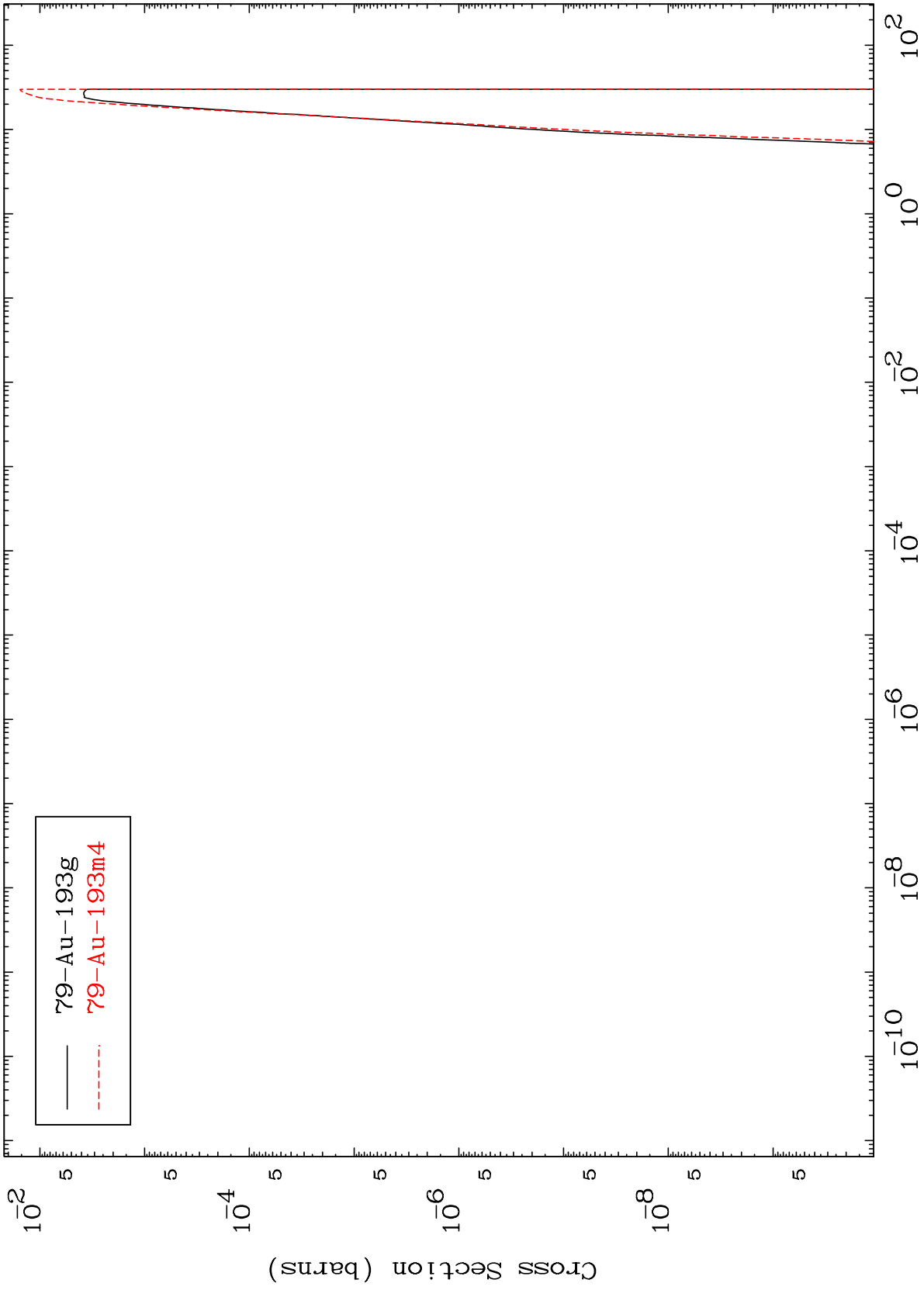
81-Tl-197

MAT 8107

(n,n')  $\alpha$

81-Tl-197

Radionuclide Production Cross Section



130

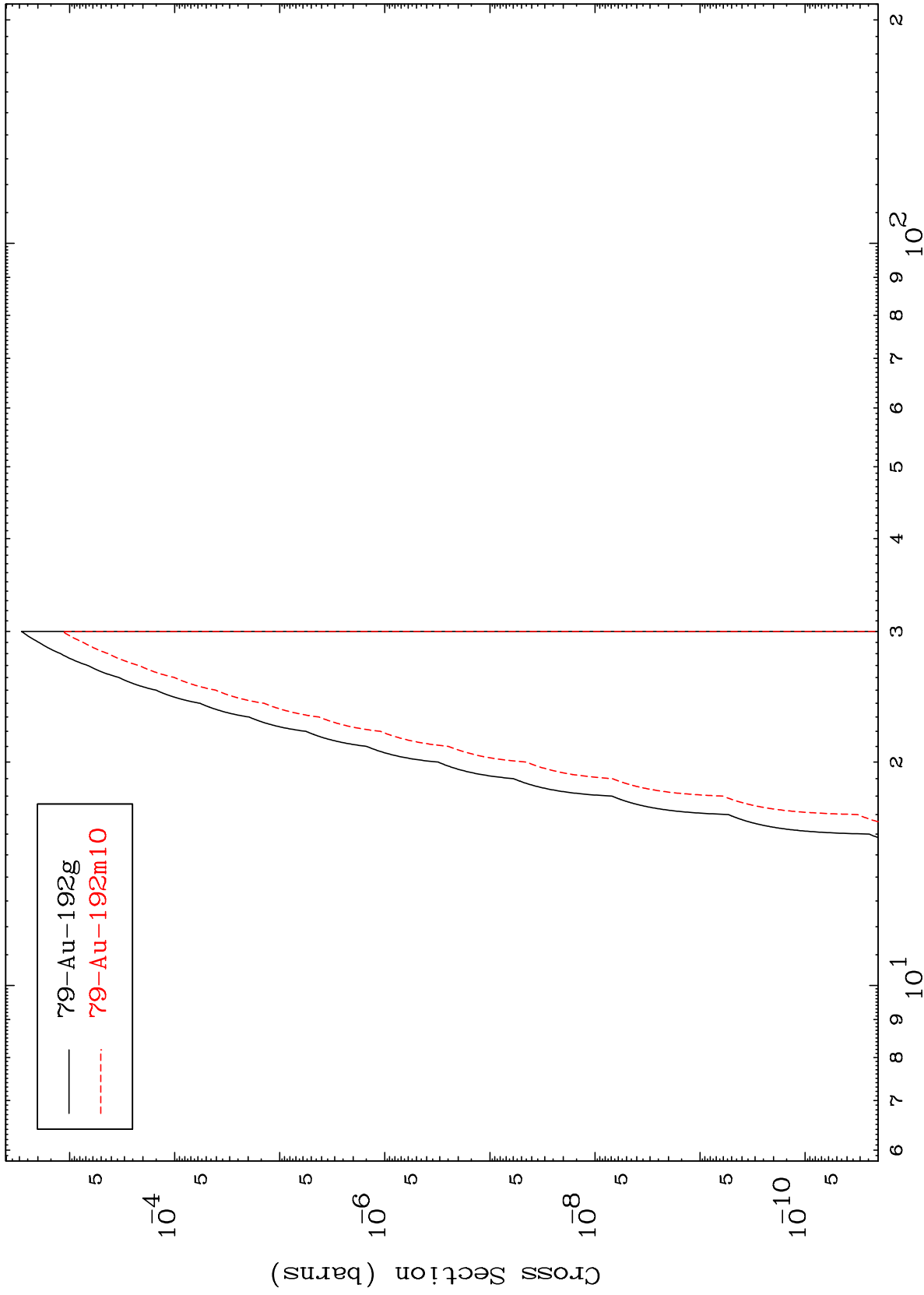
Incident Energy (MeV)

81-Tl-197

MAT 8107

81-Tl-197

(n,2n)  $\alpha$   
Radionuclide Production Cross Section



131

Incident Energy (MeV)

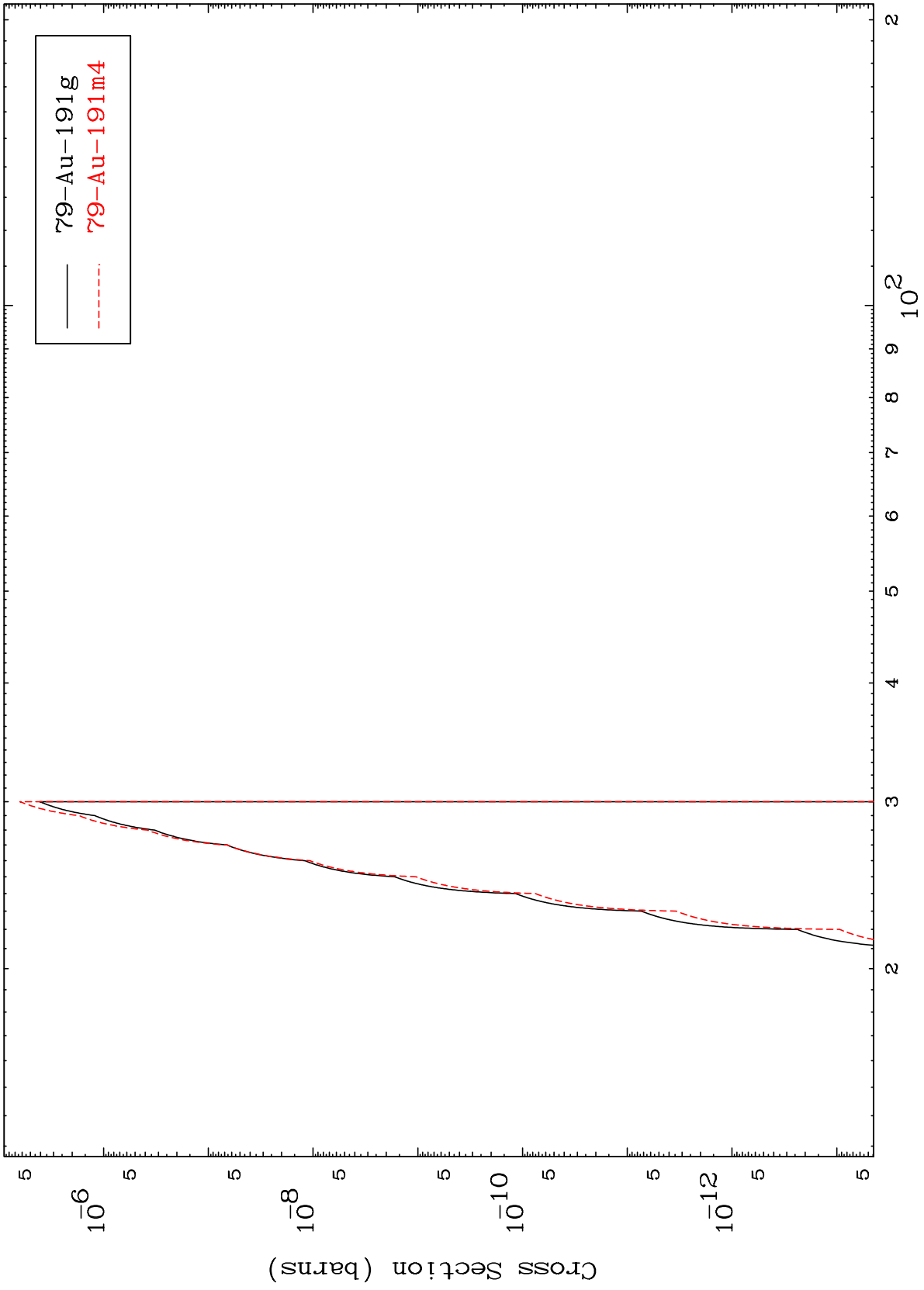
81-Tl-197

MAT 8107

(n,3n)  $\alpha$

81-Tl-197

Radionuclide Production Cross Section



132

Incident Energy (MeV)

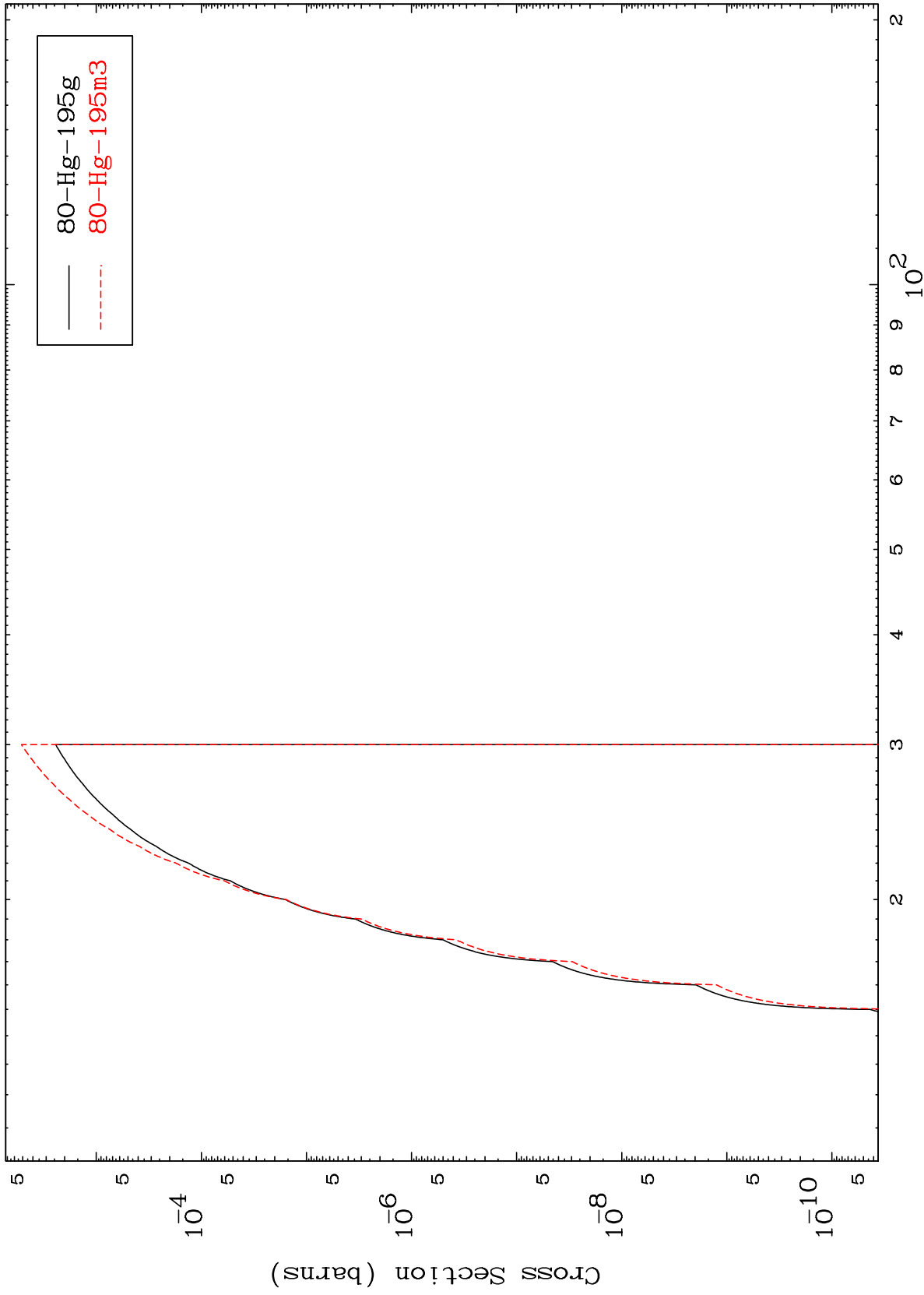
81-Tl-197

MAT 8107

(n,n') d

81-Tl-197

Radionuclide Production Cross Section



133

Incident Energy (MeV)

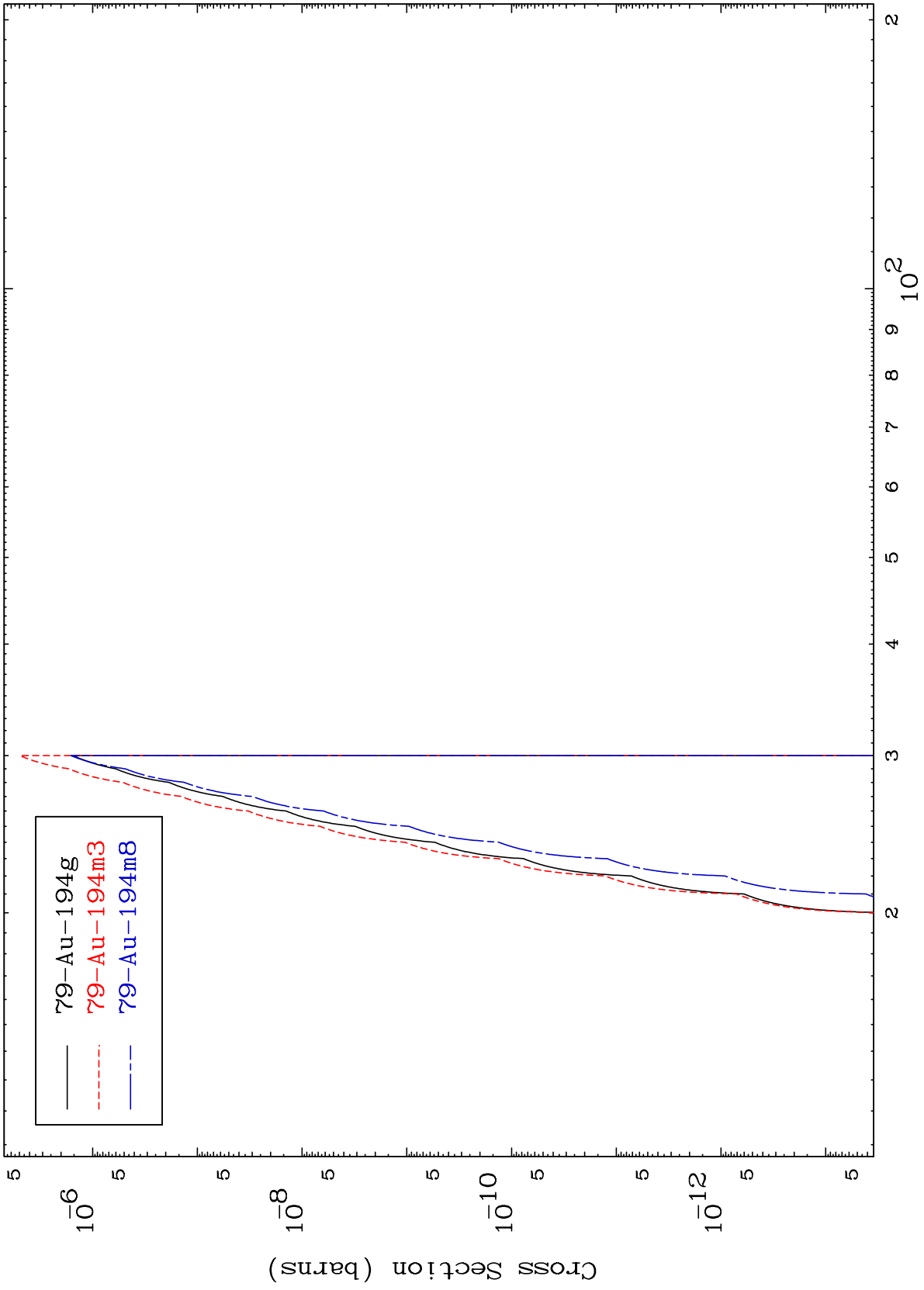
81-Tl-197

MAT 8107

(n, n') He-3

81-Tl-197

Radionuclide Production Cross Section



134

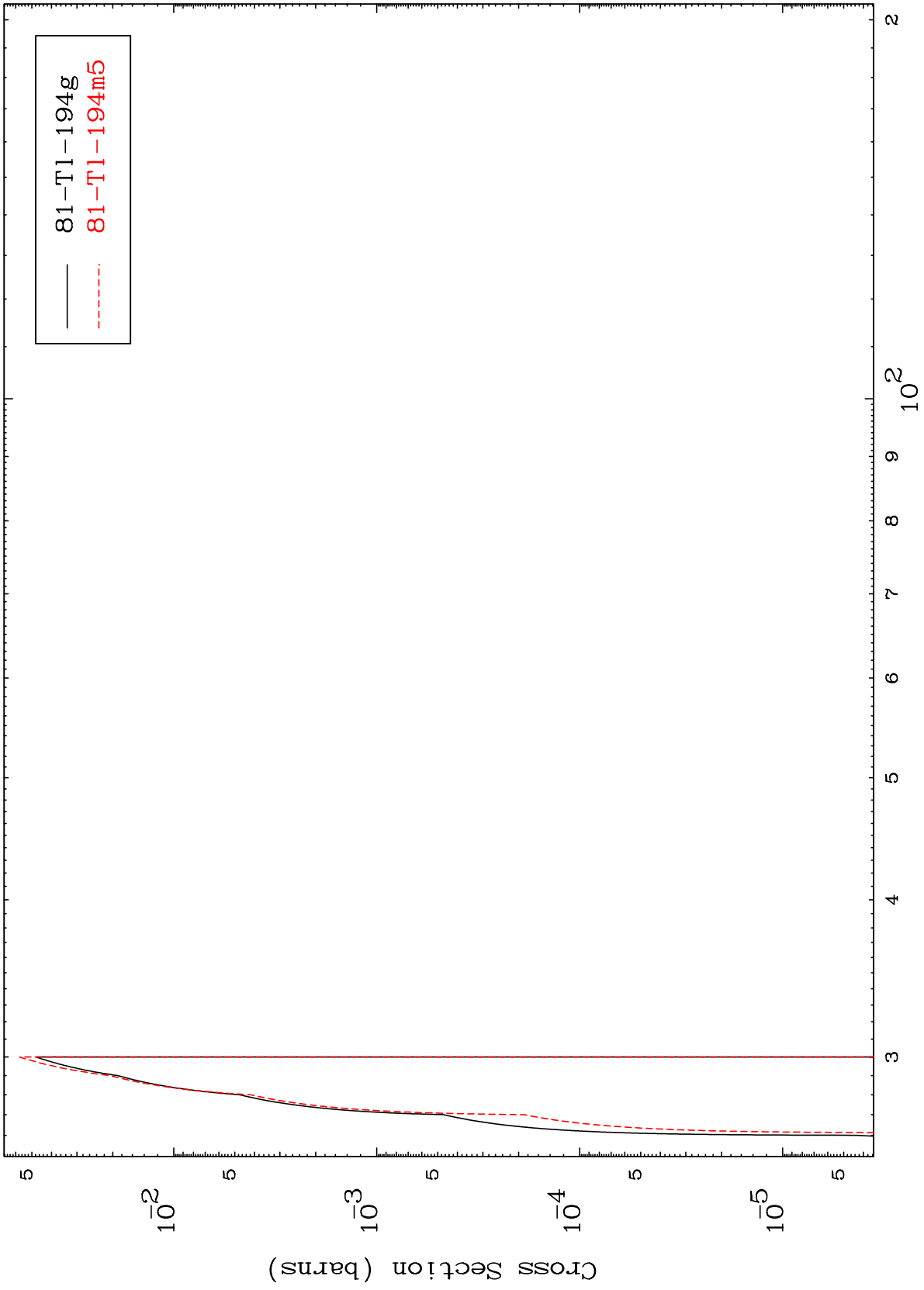
Incident Energy (MeV)

81-Tl-197

MAT 8107

81-Tl-197

(n,4n)  
Radionuclide Production Cross Section



135

81-Tl-197

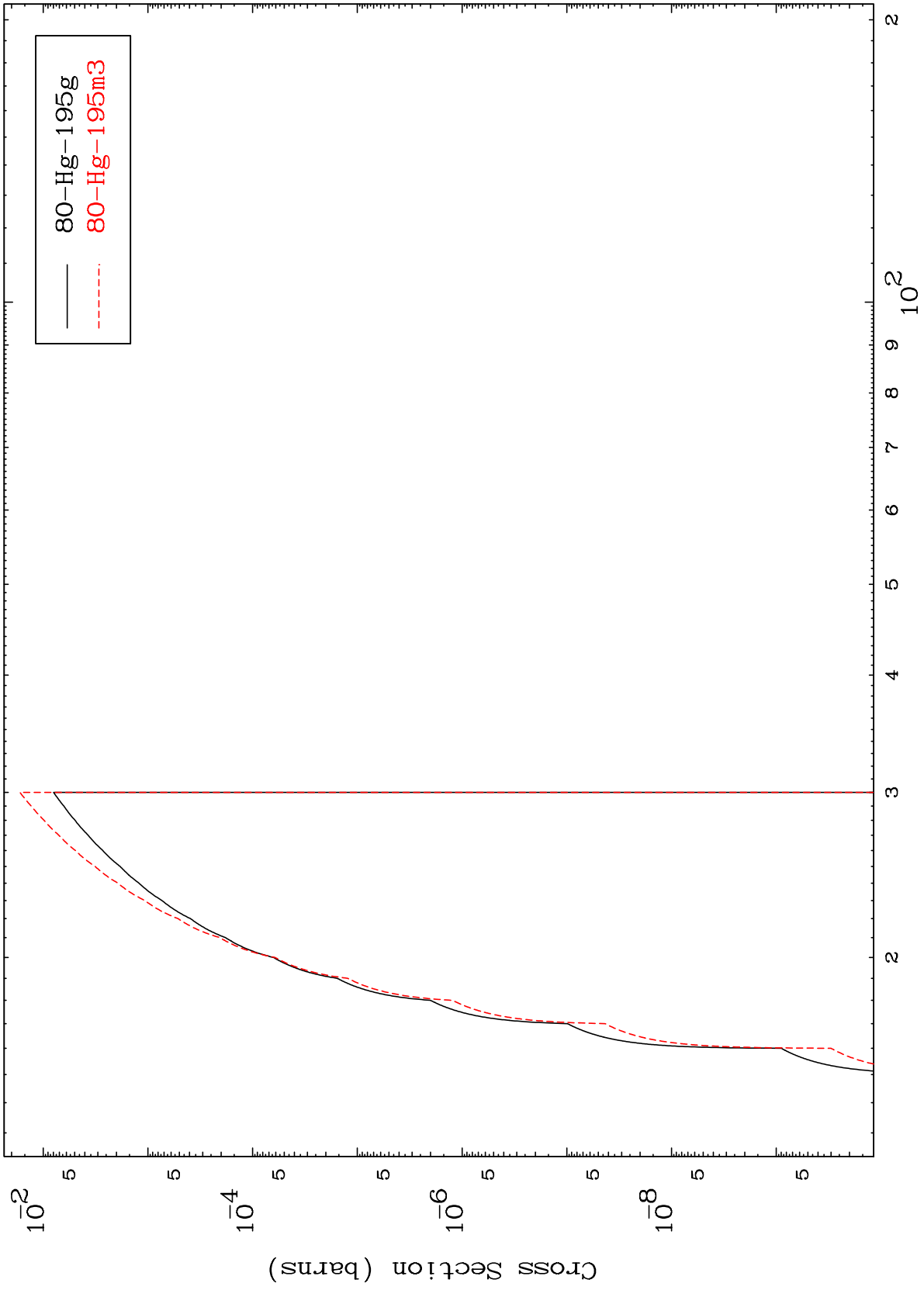


MAT 8107

(n,2n) p

81-Tl-197

Radionuclide Production Cross Section



136

Incident Energy (MeV)

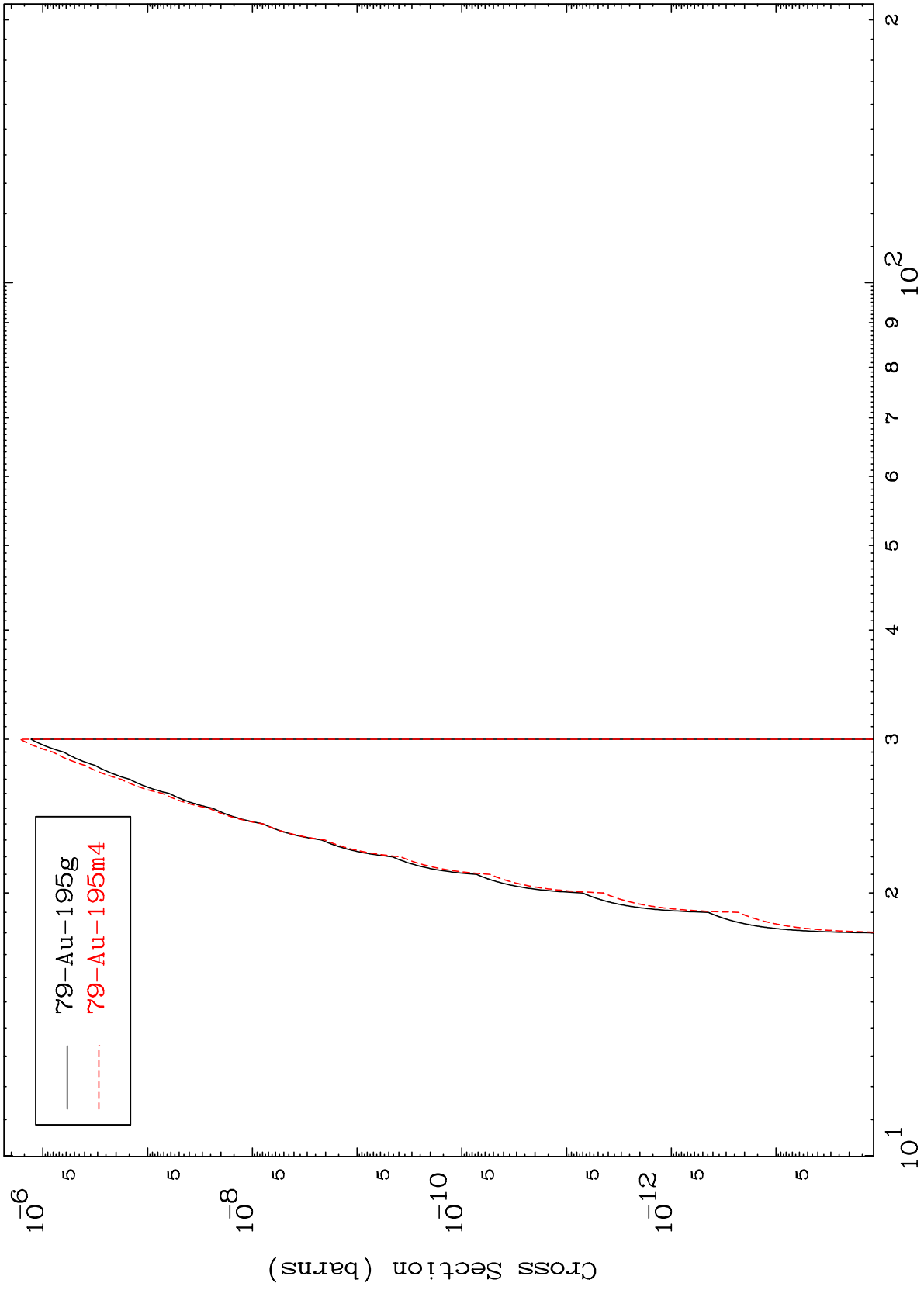
81-Tl-197

MAT 8107

(n,2n) p

81-Tl-197

Radionuclide Production Cross Section



137

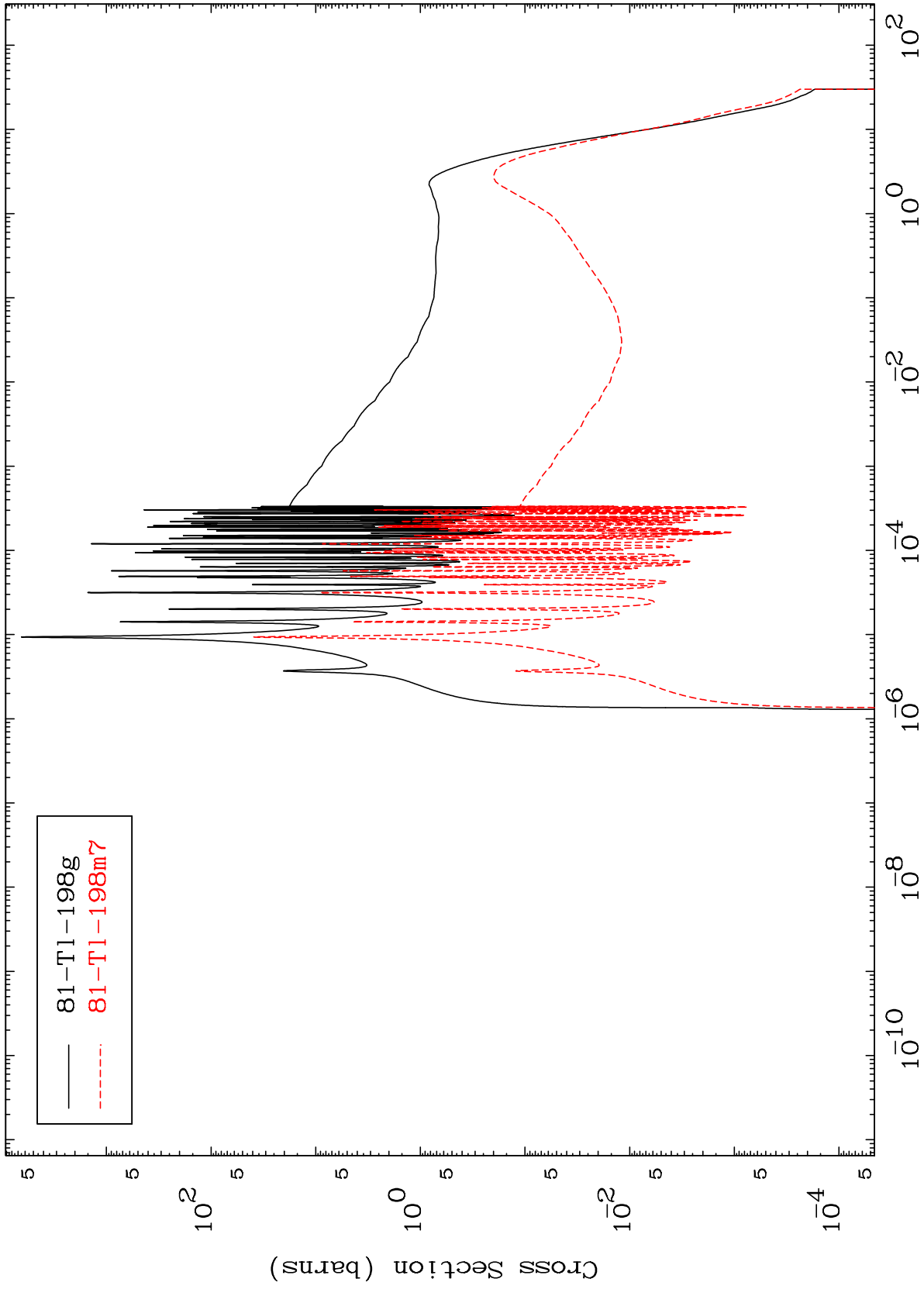
Incident Energy (MeV)

81-Tl-197

MAT 8107

81-Tl-197

Radionuclide Production Cross Section (n,γ)

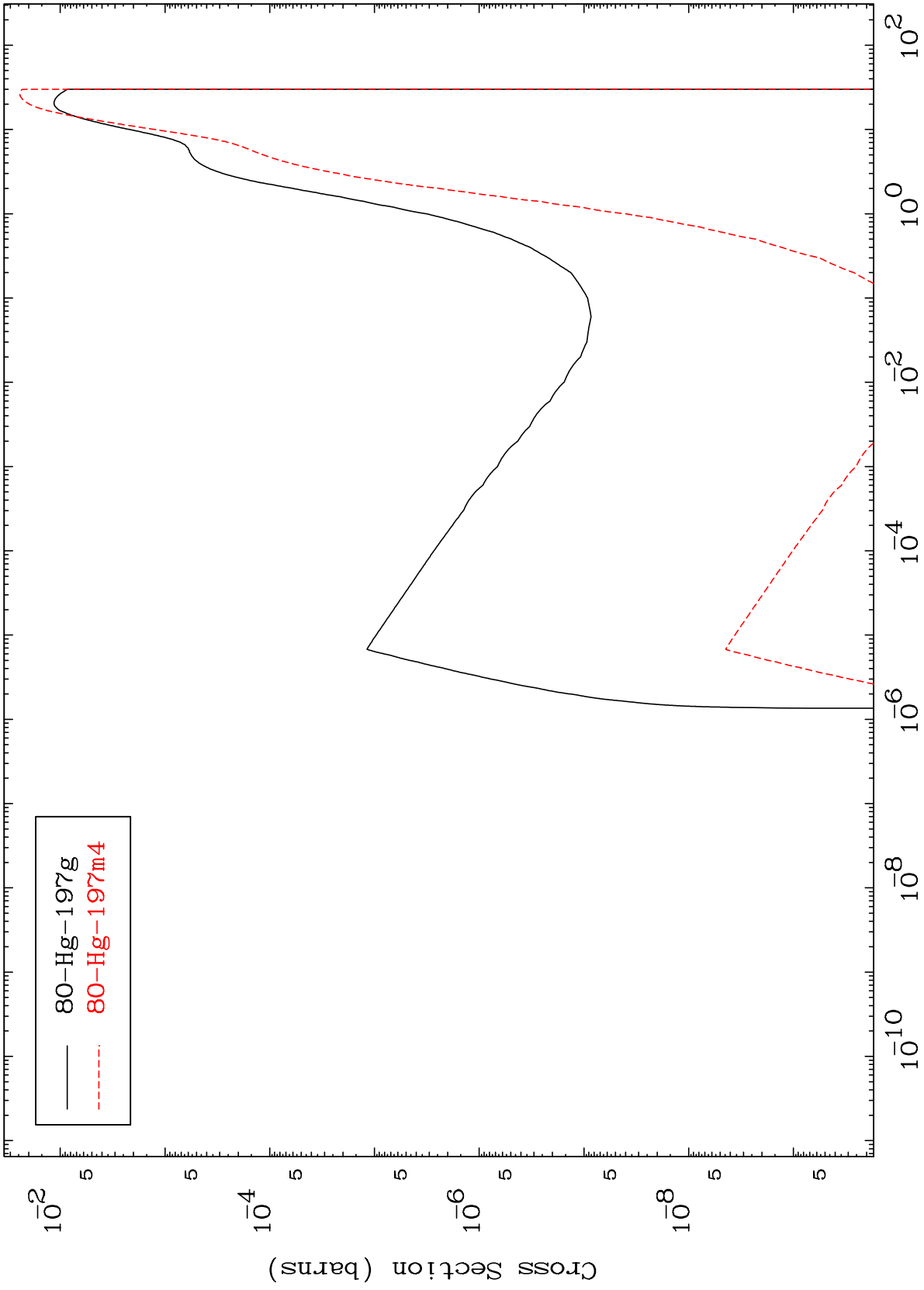


MAT 8107

(n,p)

81-Tl-197

Radionuclide Production Cross Section



139

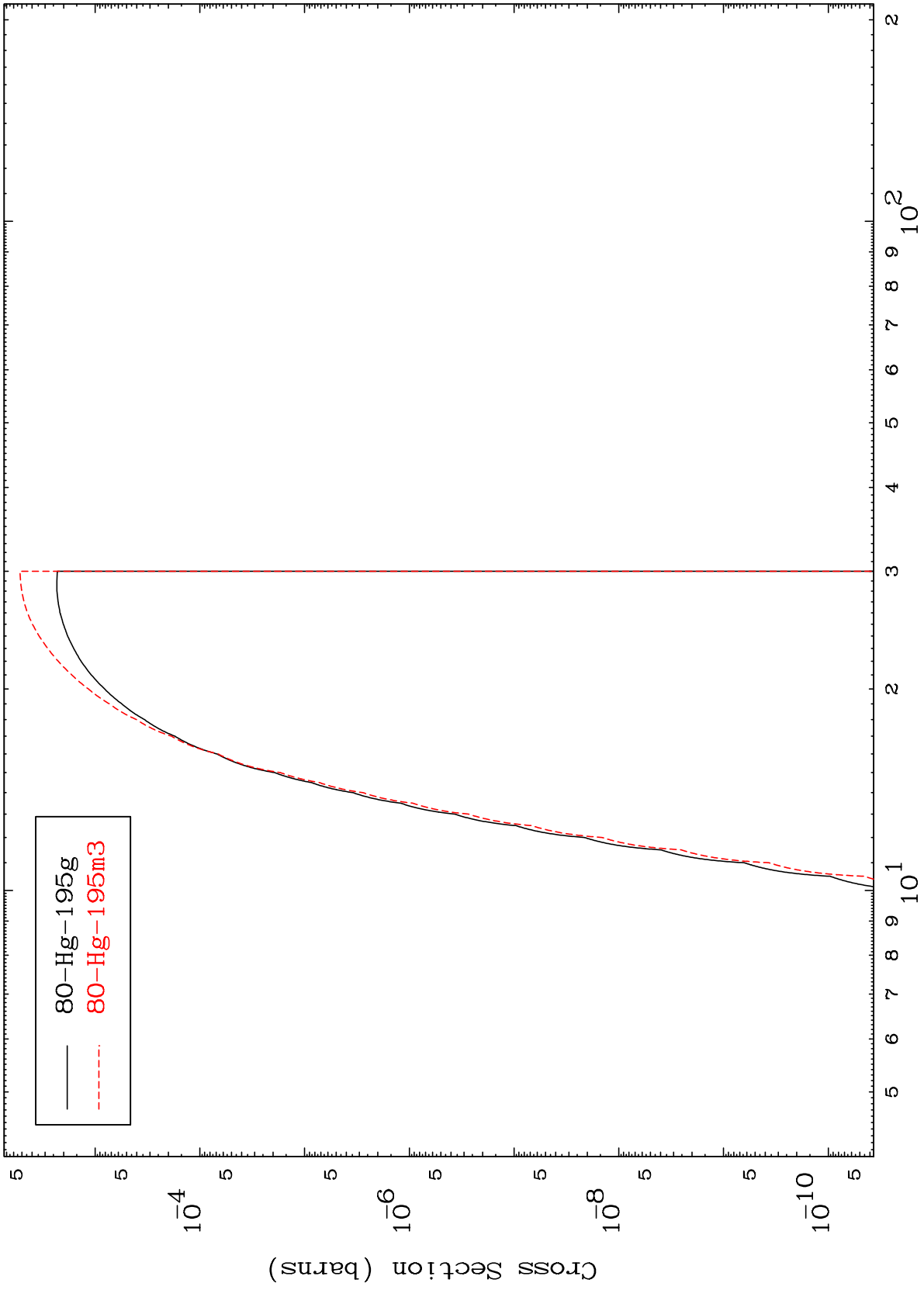
Incident Energy (MeV)

81-Tl-197

MAT 8107

81-T1-197

Radionuclide Production Cross Section (n, t)



140

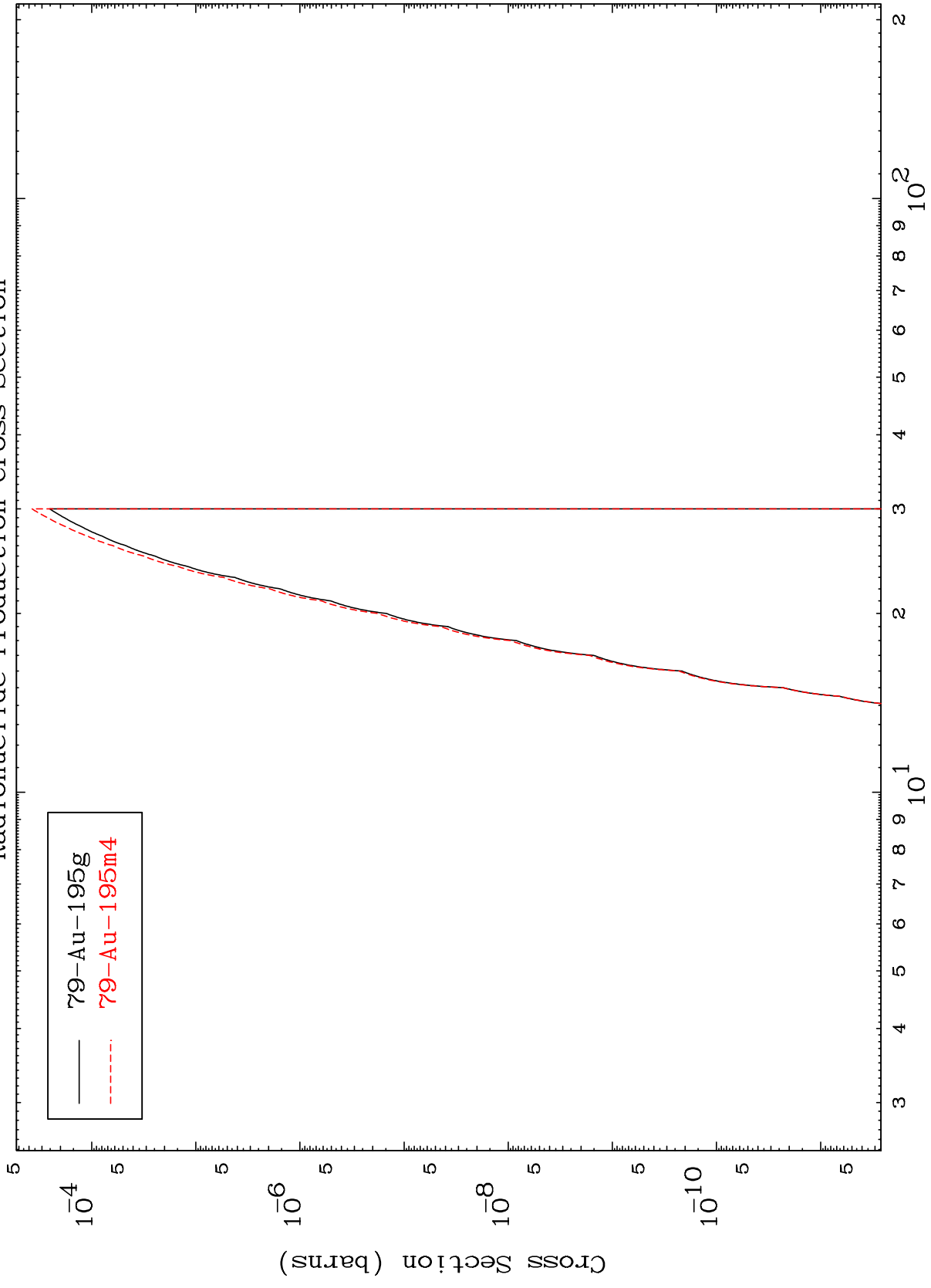
81-T1-197

MAT 8107

(n, He-3)

81-Tl-197

Radionuclide Production Cross Section



79-Au-195g  
79-Au-195m4

141

Incident Energy (MeV)

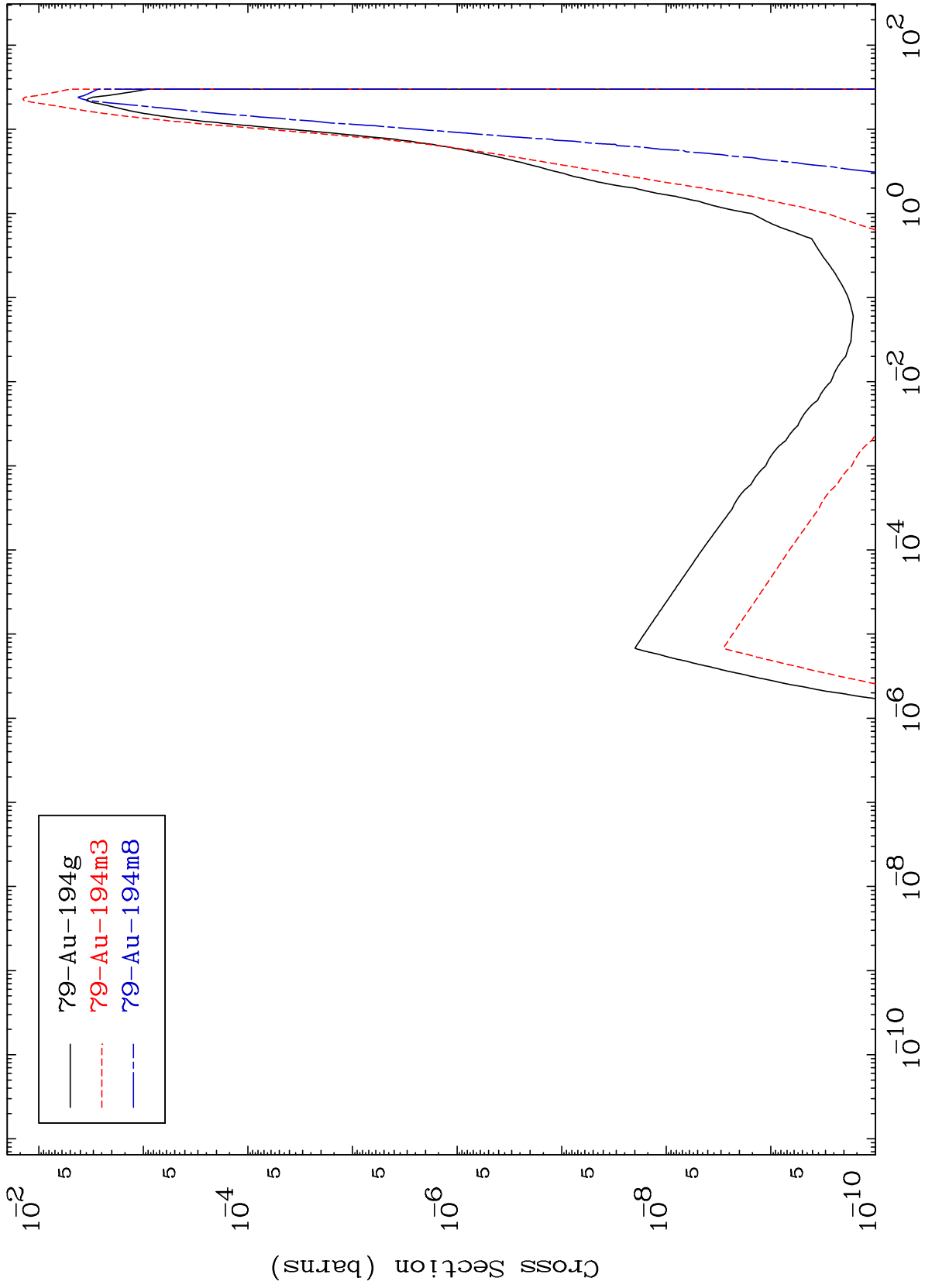
81-Tl-197

MAT 8107

(n,  $\alpha$ )

81-Tl-197

Radionuclide Production Cross Section



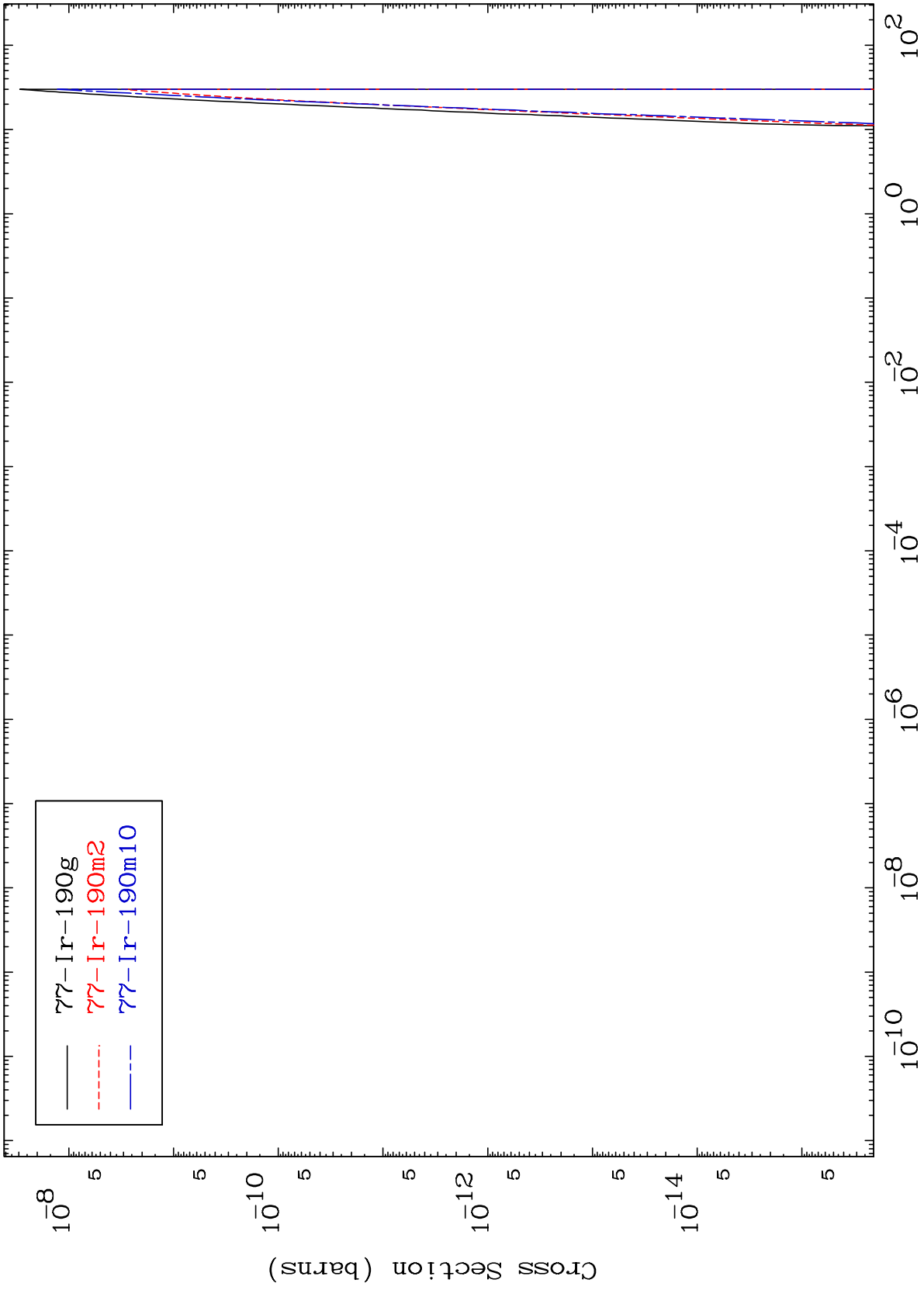
142

81-Tl-197

MAT 8107

Radionuclide Production Cross Section  
(n,2α)

81-Tl-197



143

Incident Energy (MeV)

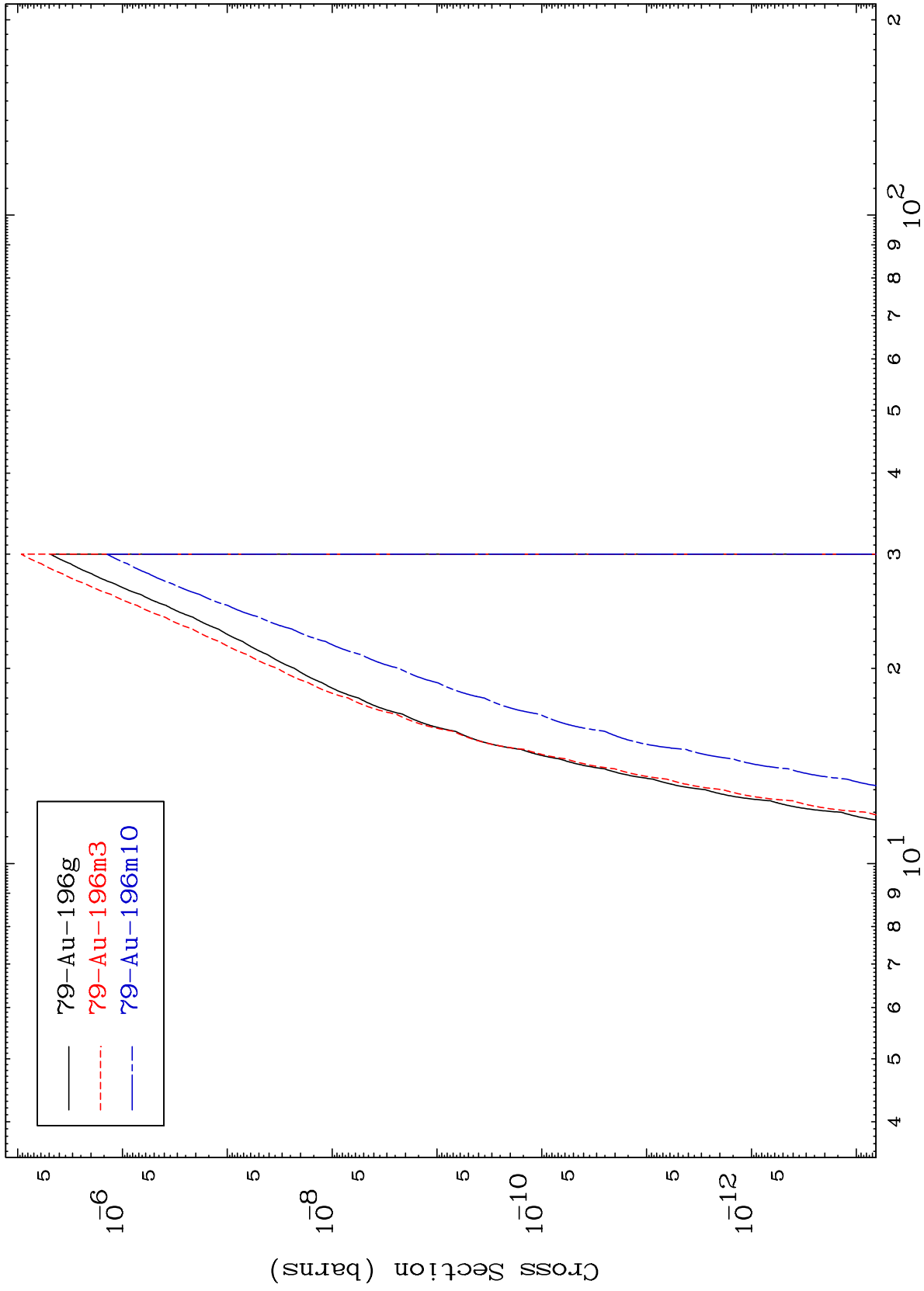
81-Tl-197



MAT 8107

81-T1-197

Radionuclide Production Cross Section  
(n,2p)



144

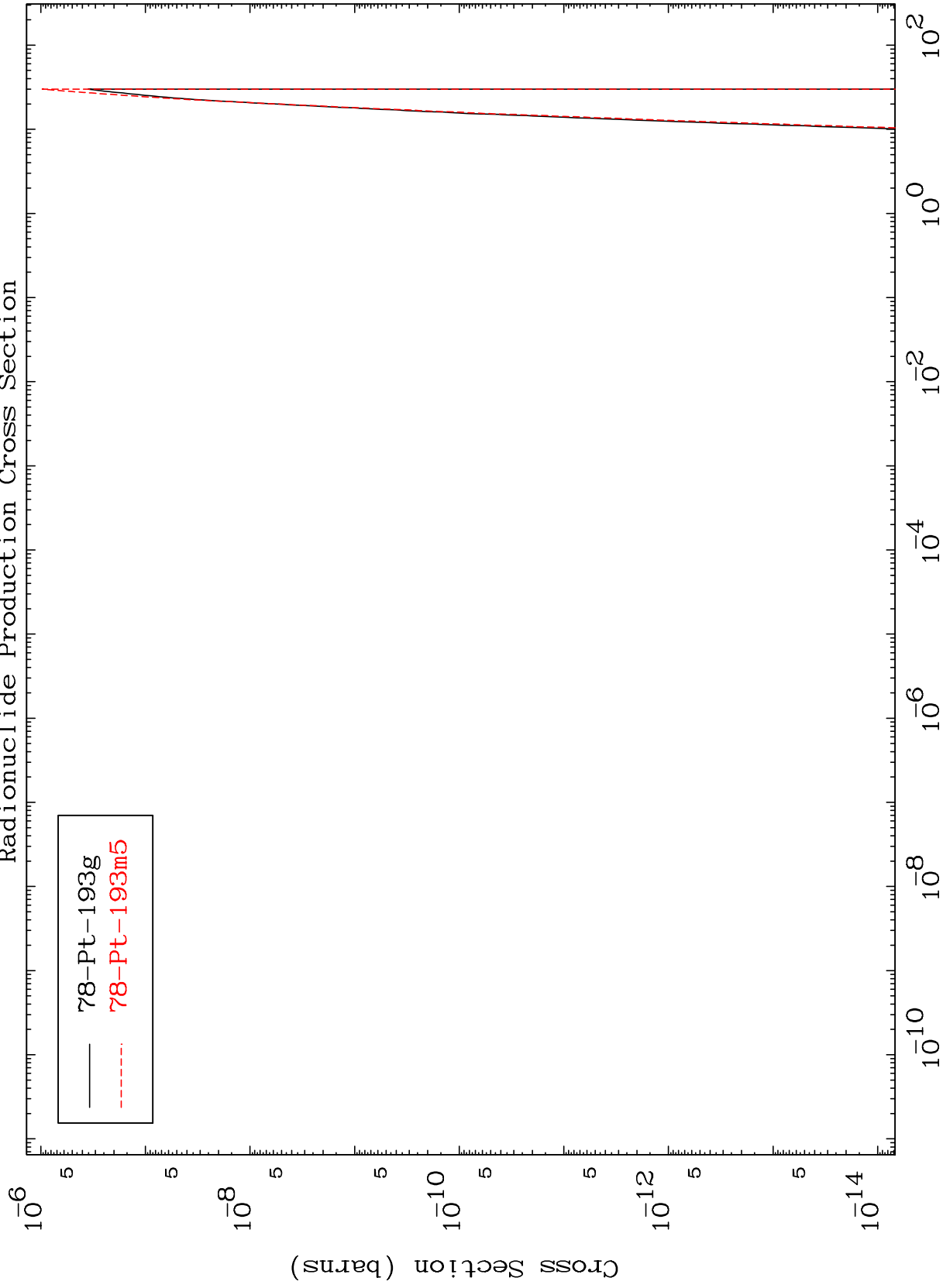
81-T1-197

MAT 8107

(n,p)  $\alpha$

81-T1-197

Radionuclide Production Cross Section



78-Pt-193g  
78-Pt-193m5

145

Incident Energy (MeV)

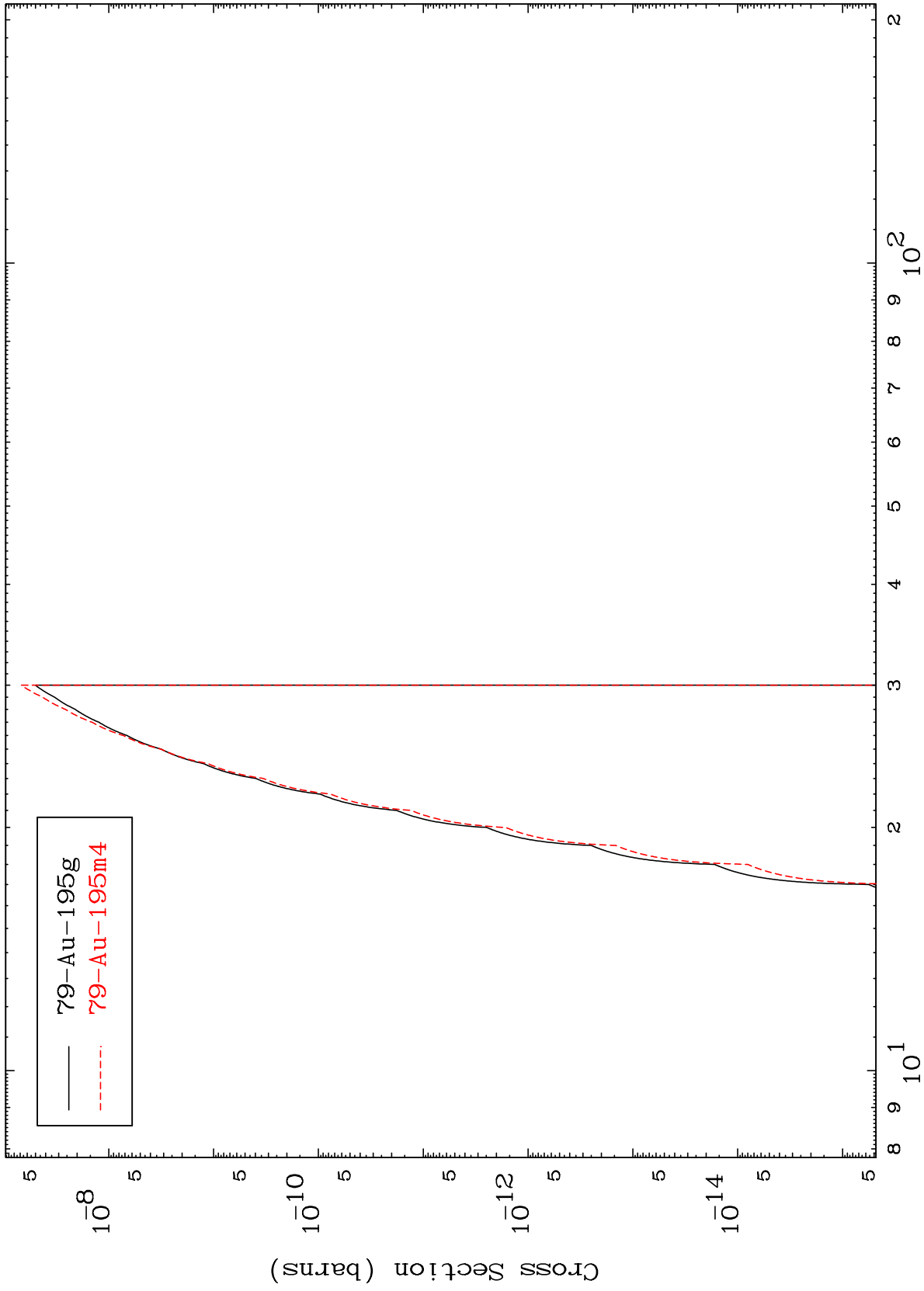
81-T1-197

MAT 8107

(n,p) d

81-Tl-197

Radionuclide Production Cross Section



146

Incident Energy (MeV)

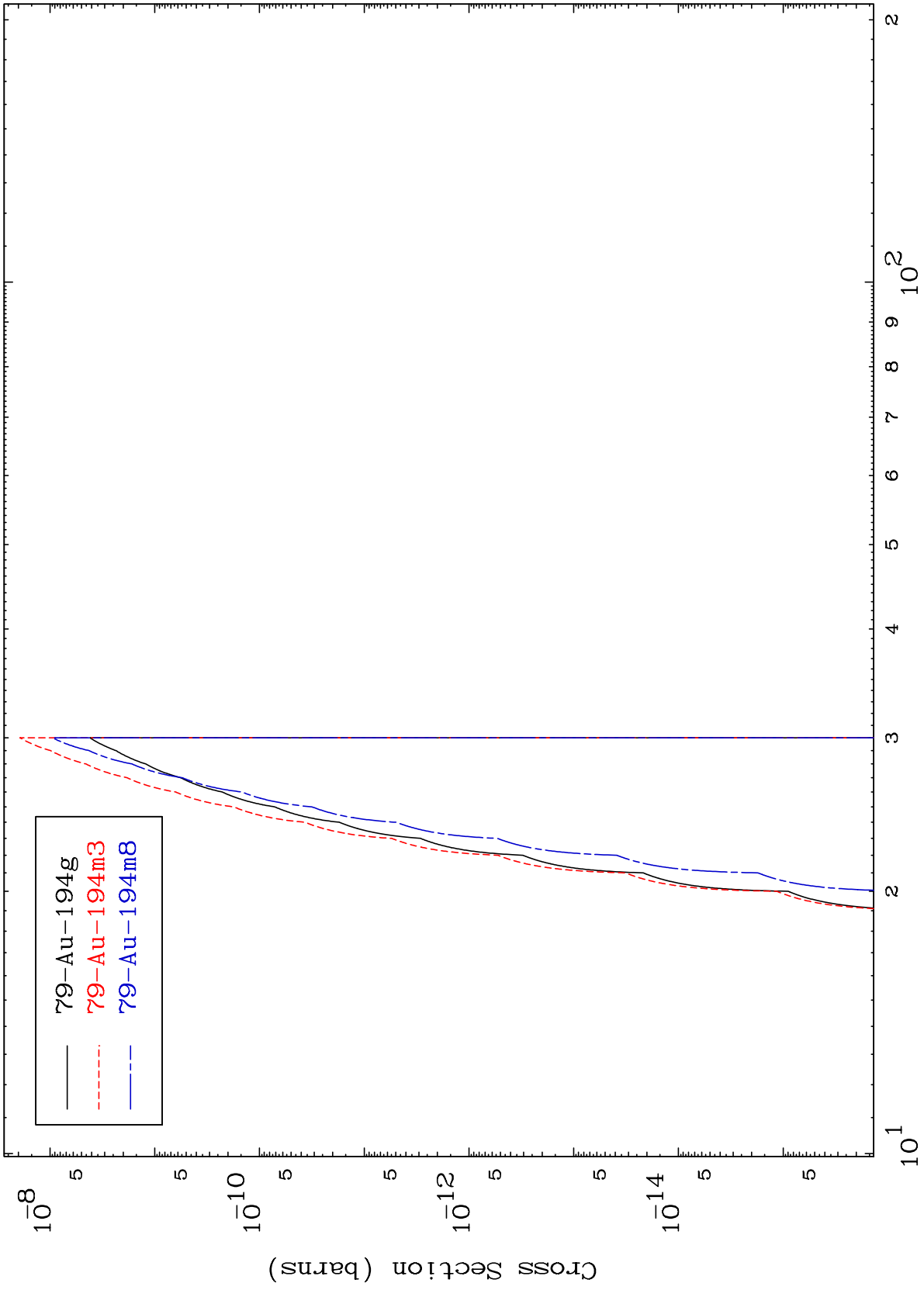
81-Tl-197

MAT 8107

(n,p) t

81-Tl-197

Radionuclide Production Cross Section



147

Incident Energy (MeV)

81-Tl-197