

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

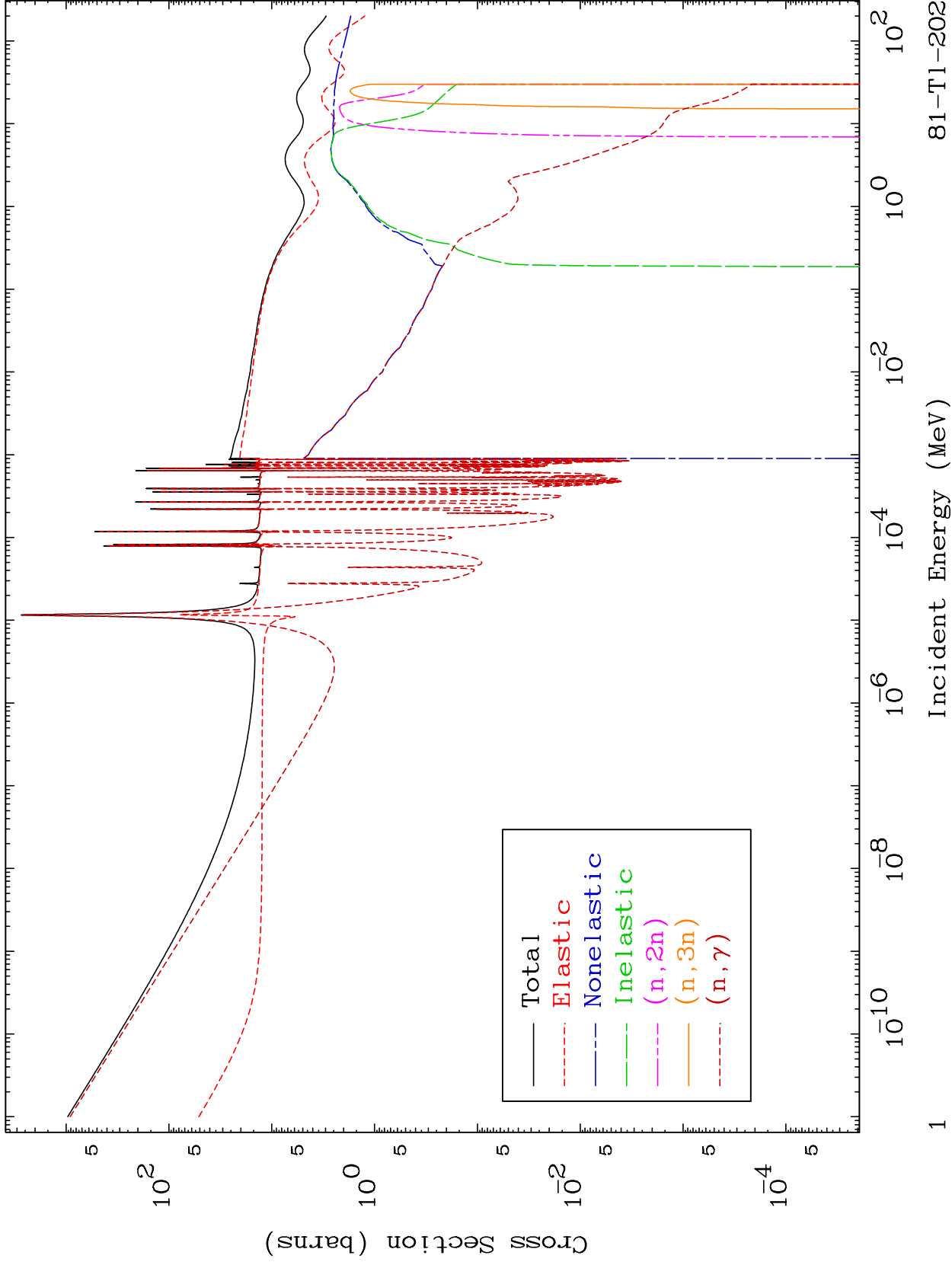
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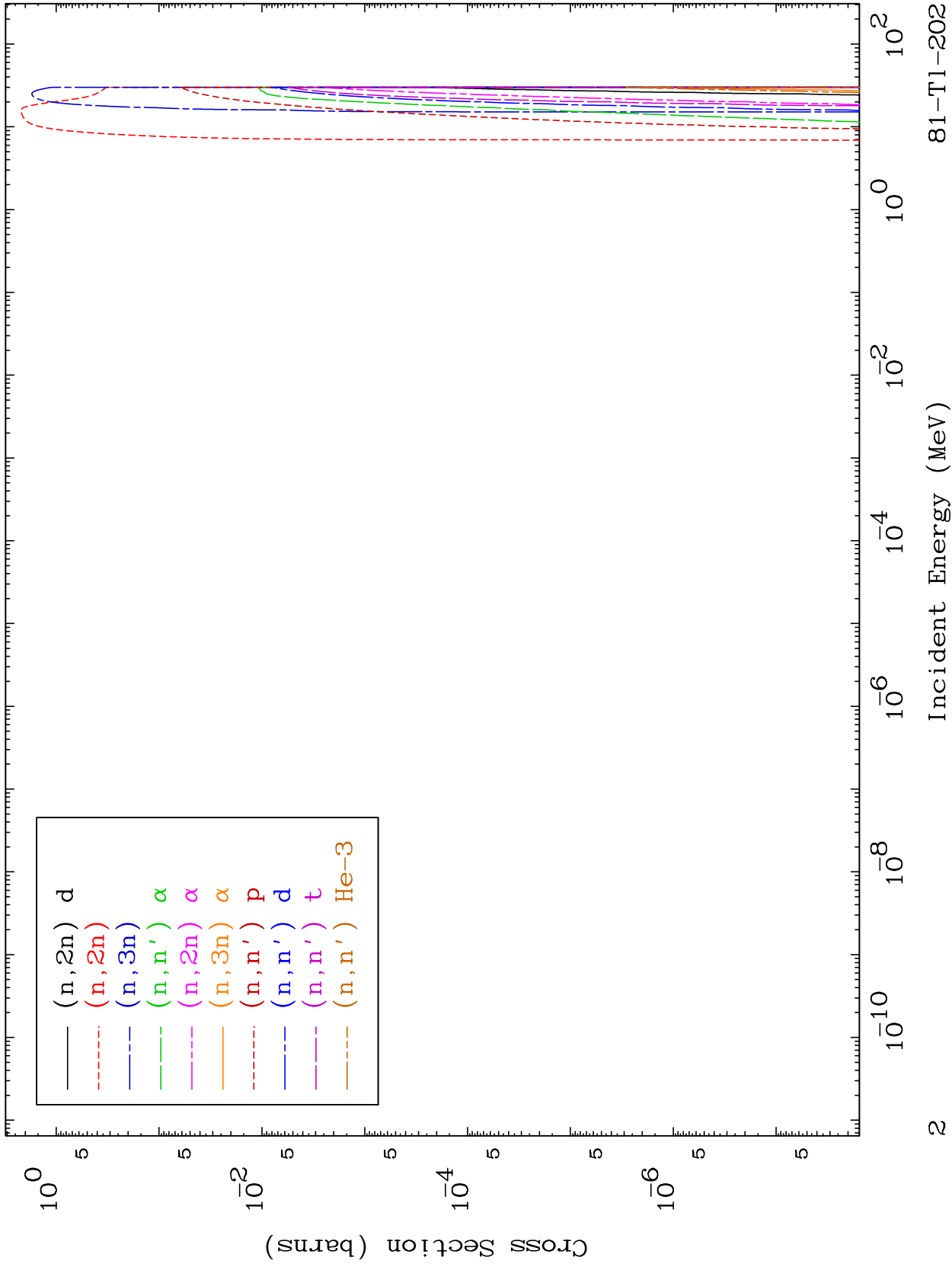
Press Mouse Button to Start

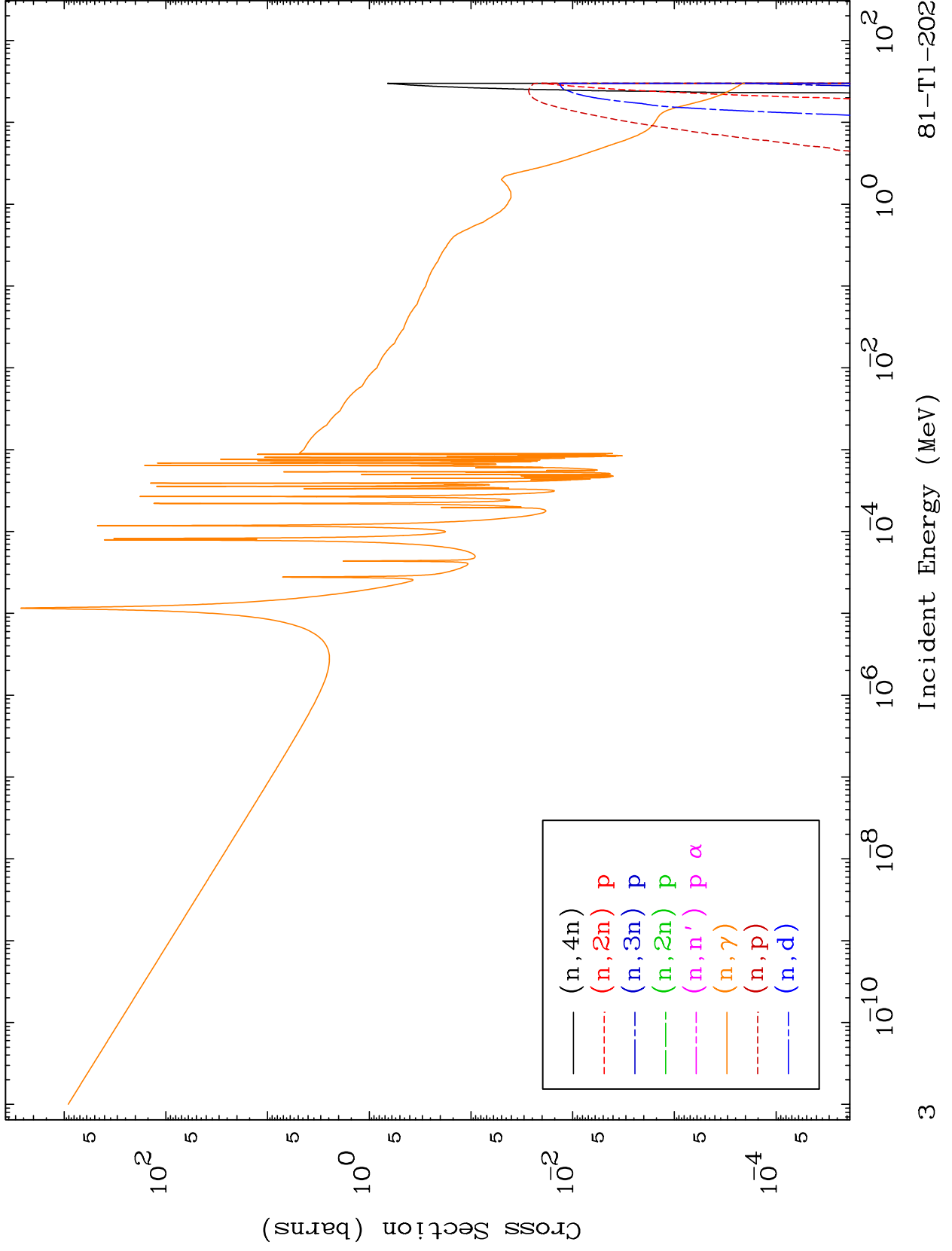


MAT 8122

Neutron Absorption  
293 Kelvin Cross Sections

81-Tl-202

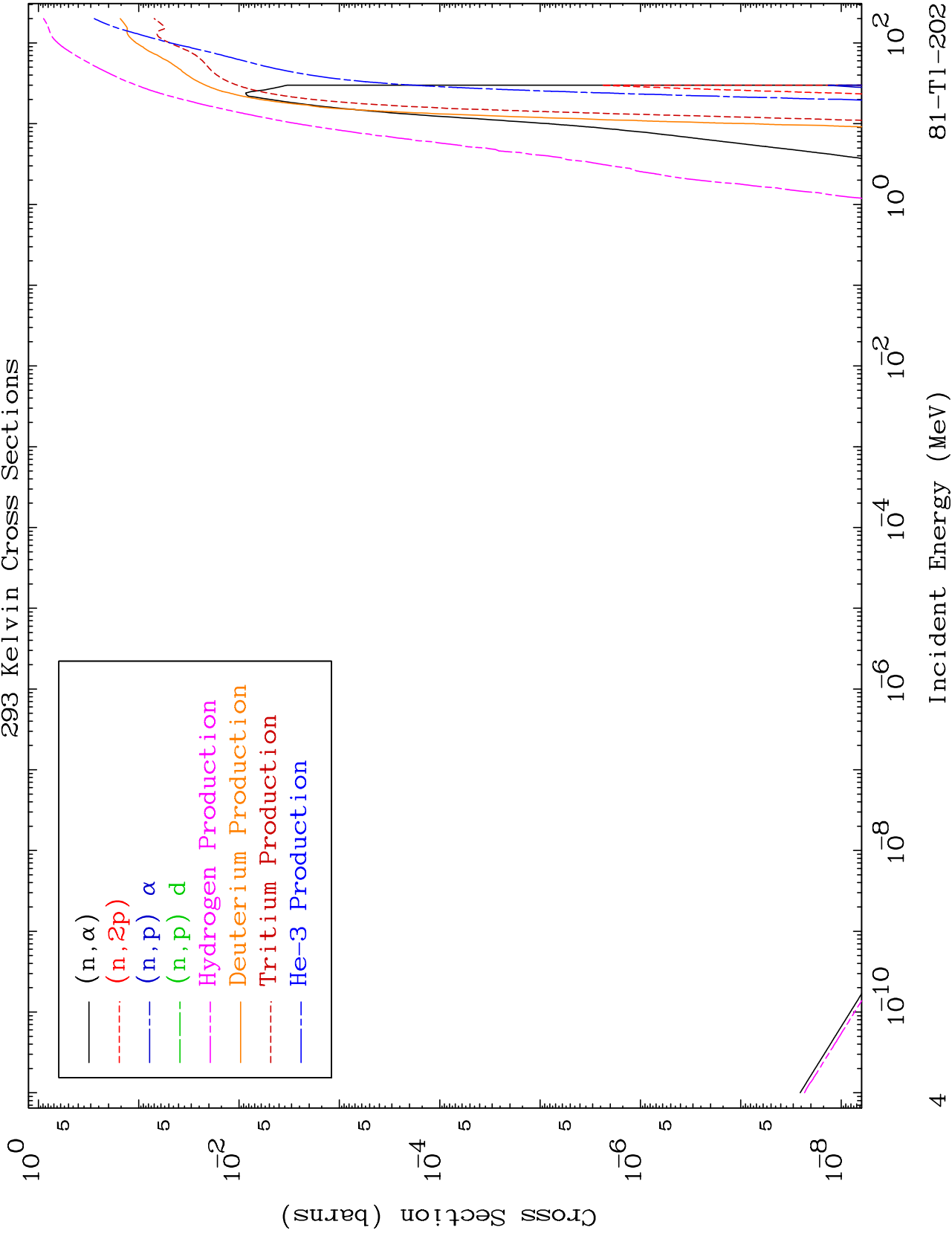


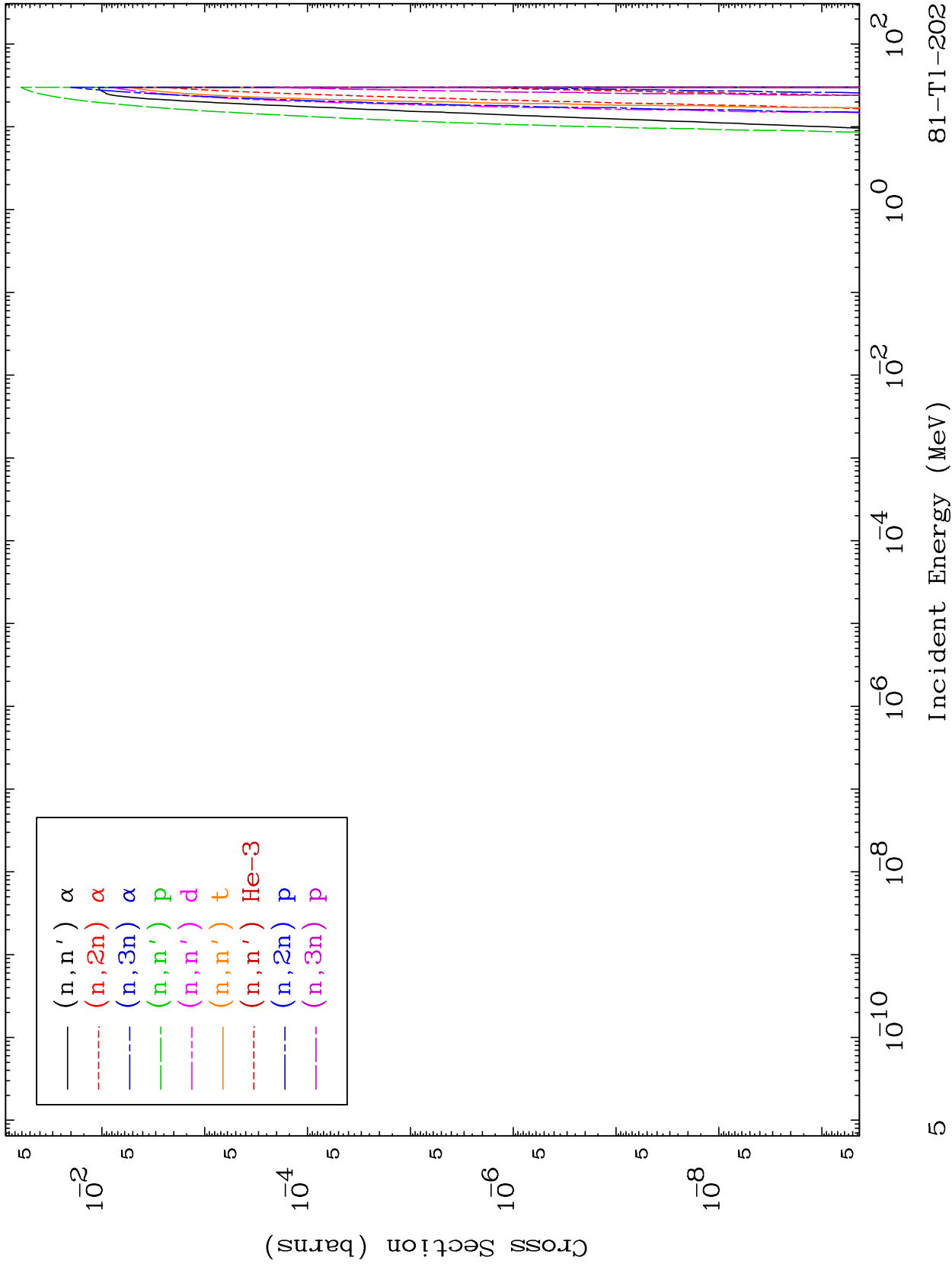


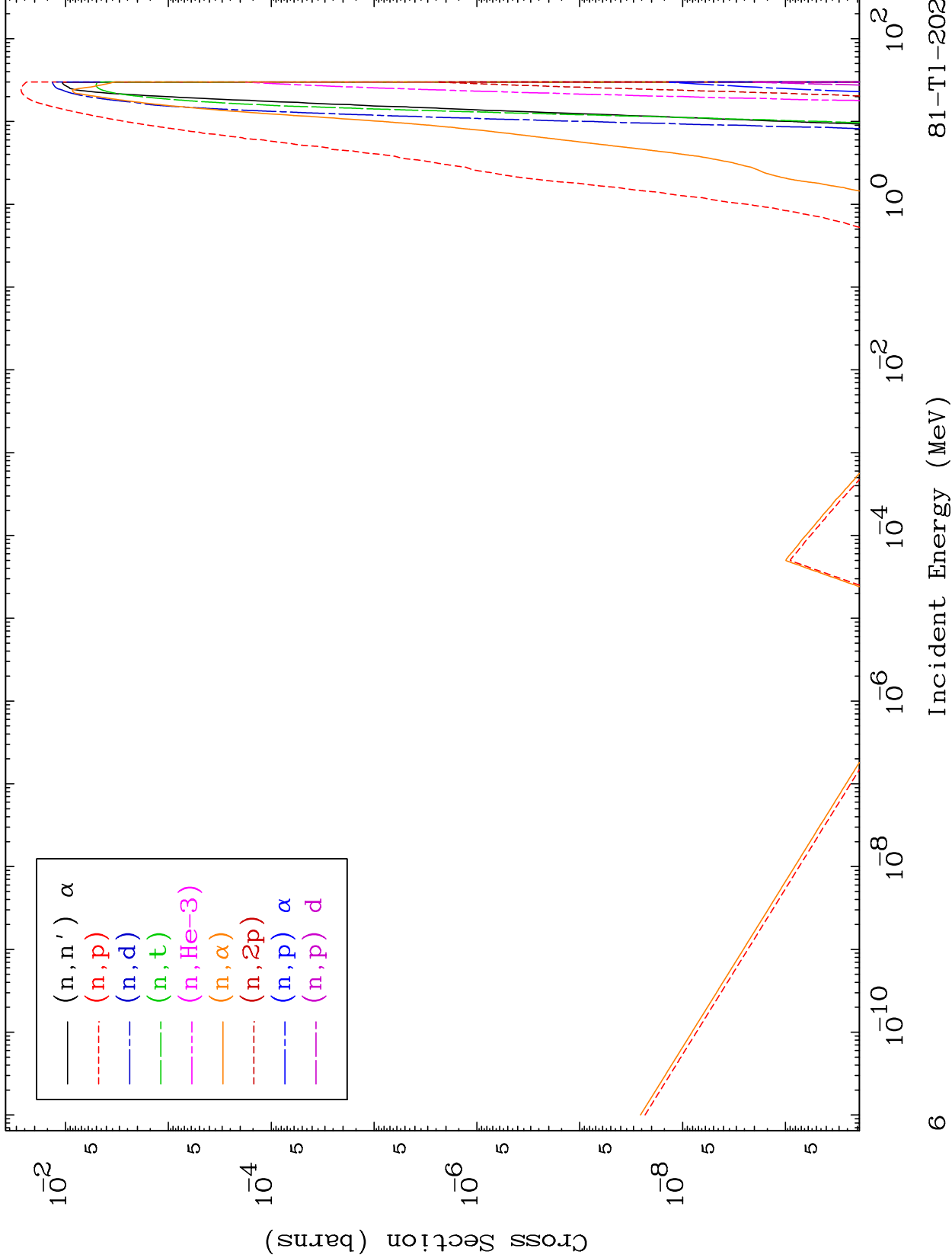
MAT 8122

Neutron Absorption  
293 Kelvin Cross Sections

81-Tl-202



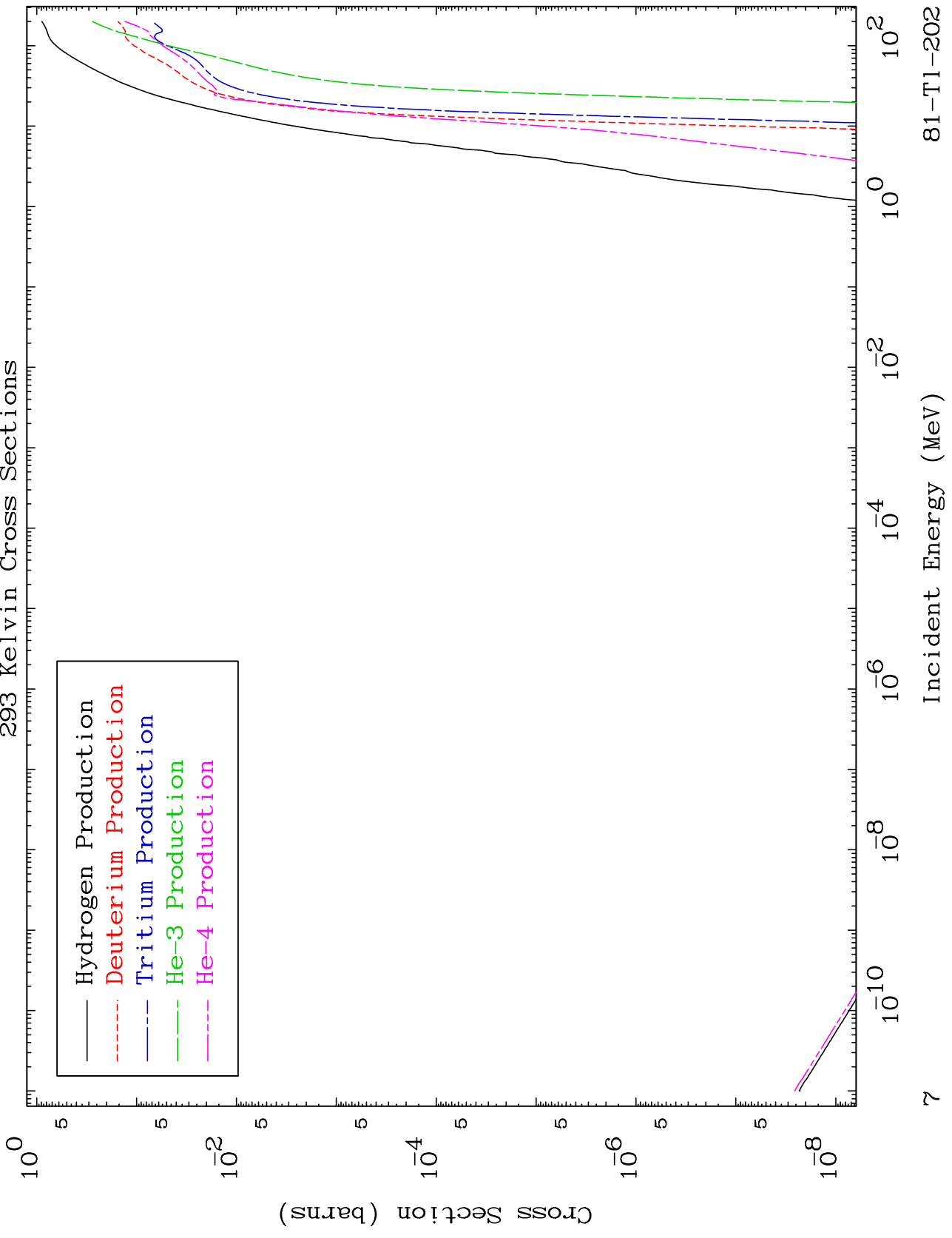




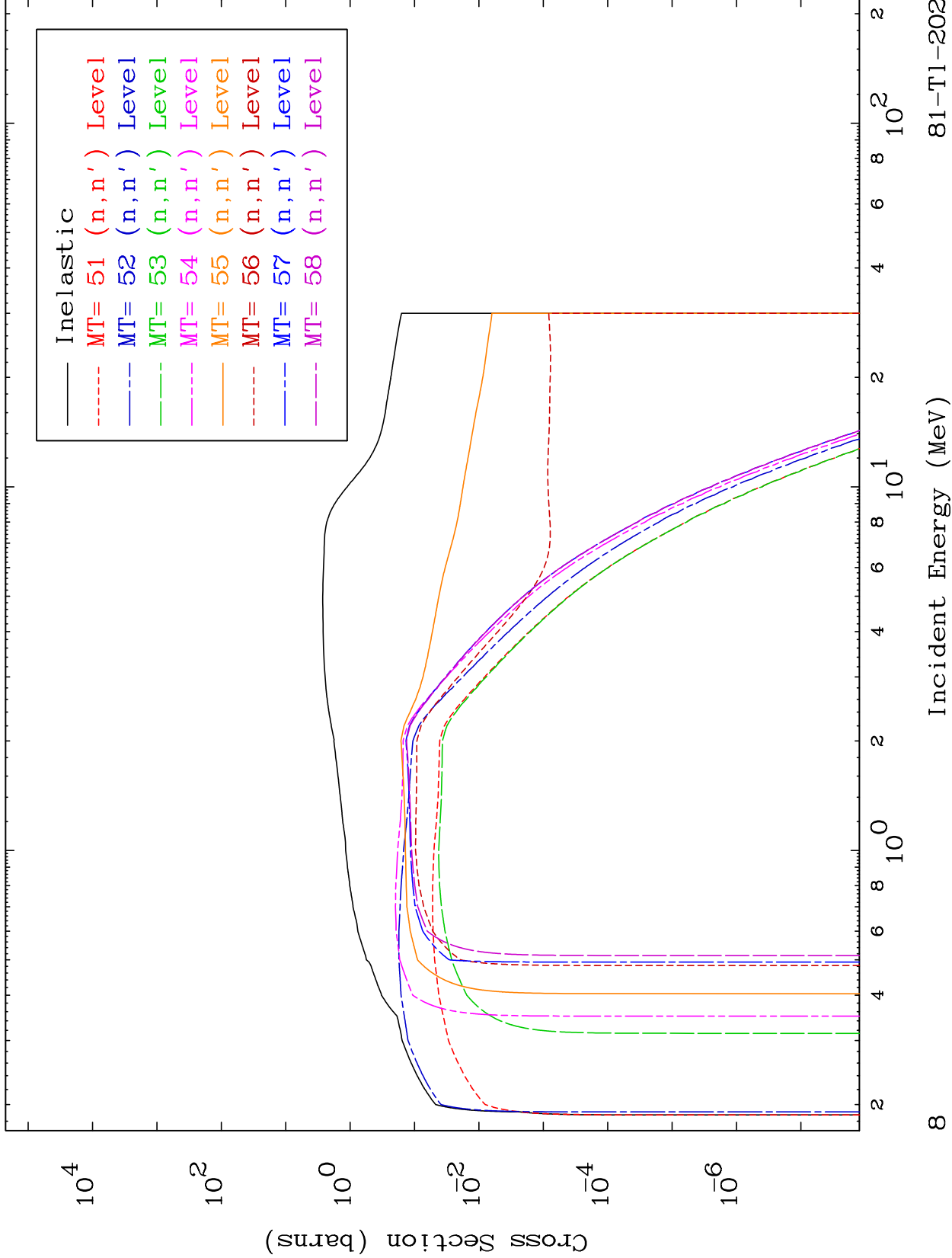
MAT 8122

Particle Production  
293 Kelvin Cross Sections

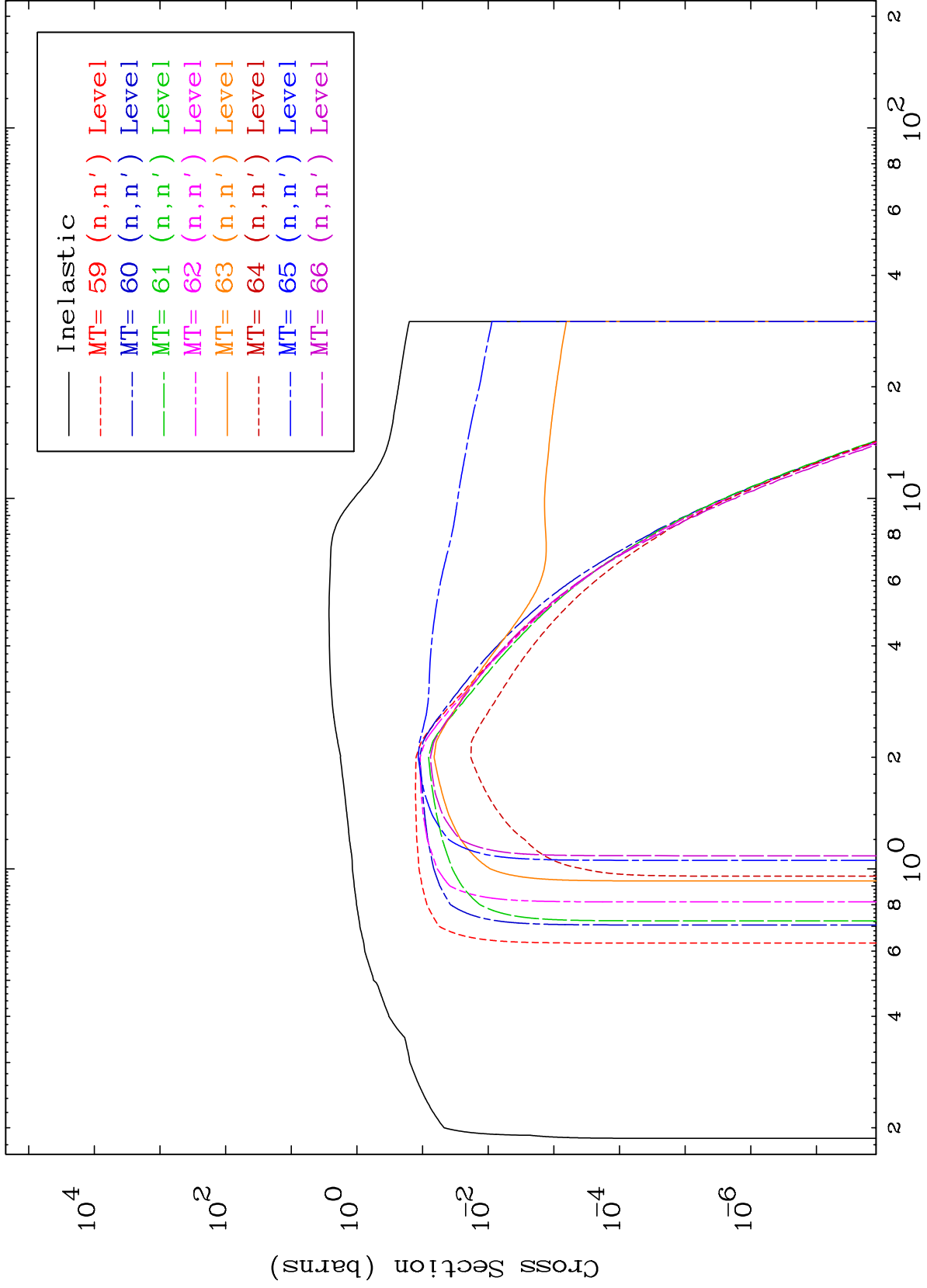
81-T1-202







293 Kelvin Cross Sections

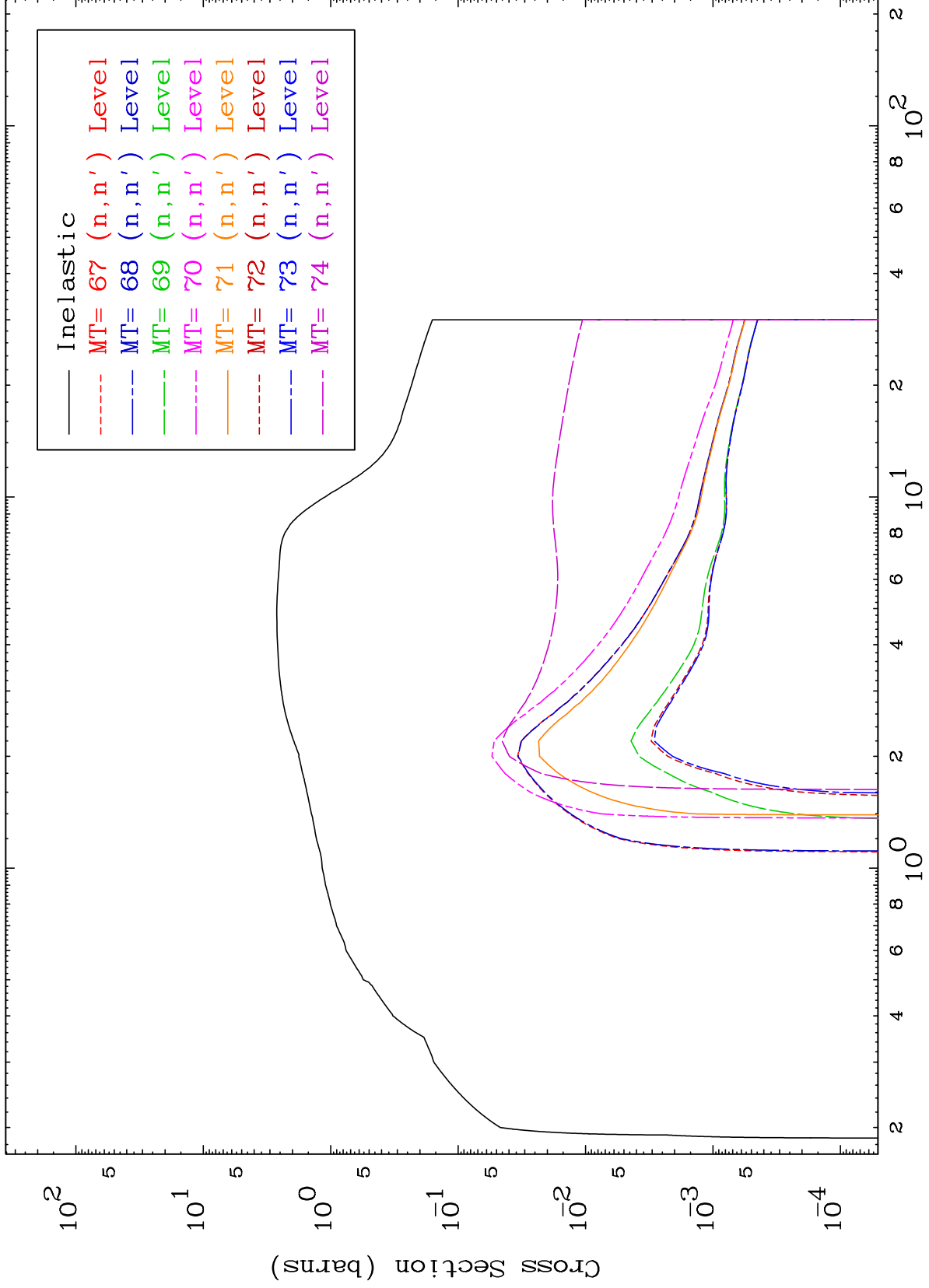


MAT 8122

(n,n') Levels

81-T1-202

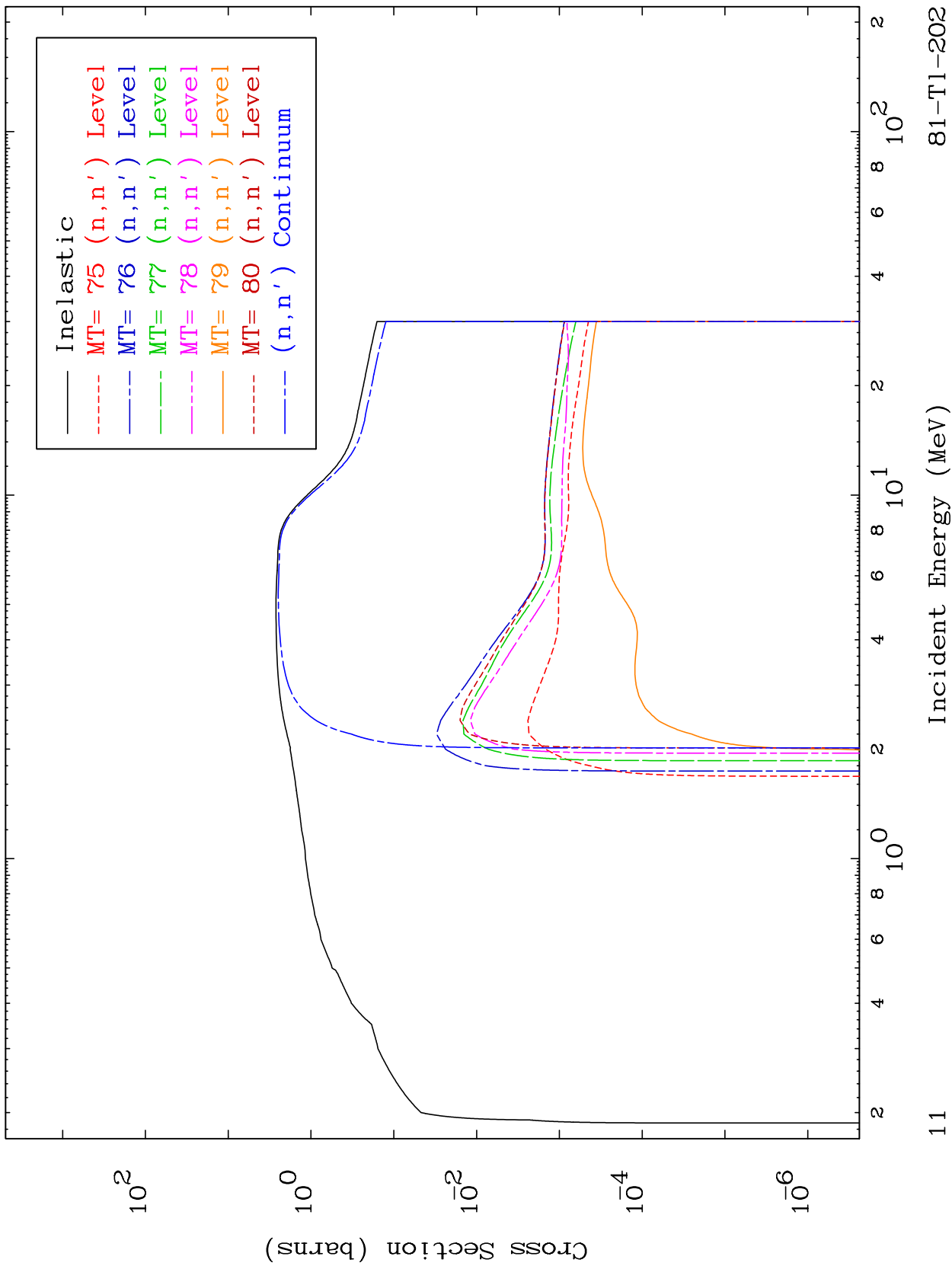
293 Kelvin Cross Sections



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Incident Energy (MeV)

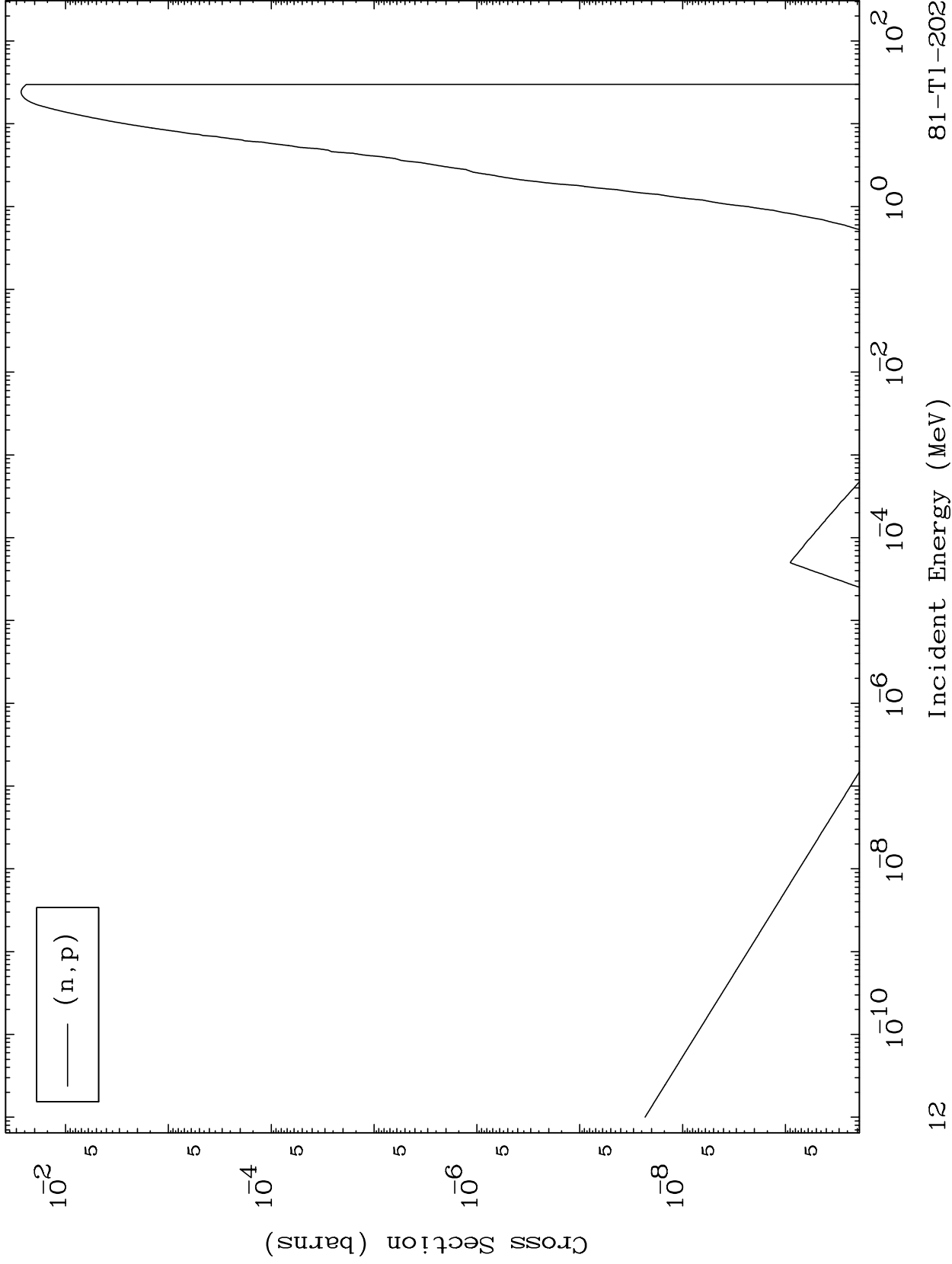
81-T1-202



MAT 8122

(n,p) Levels  
293 Kelvin Cross Sections

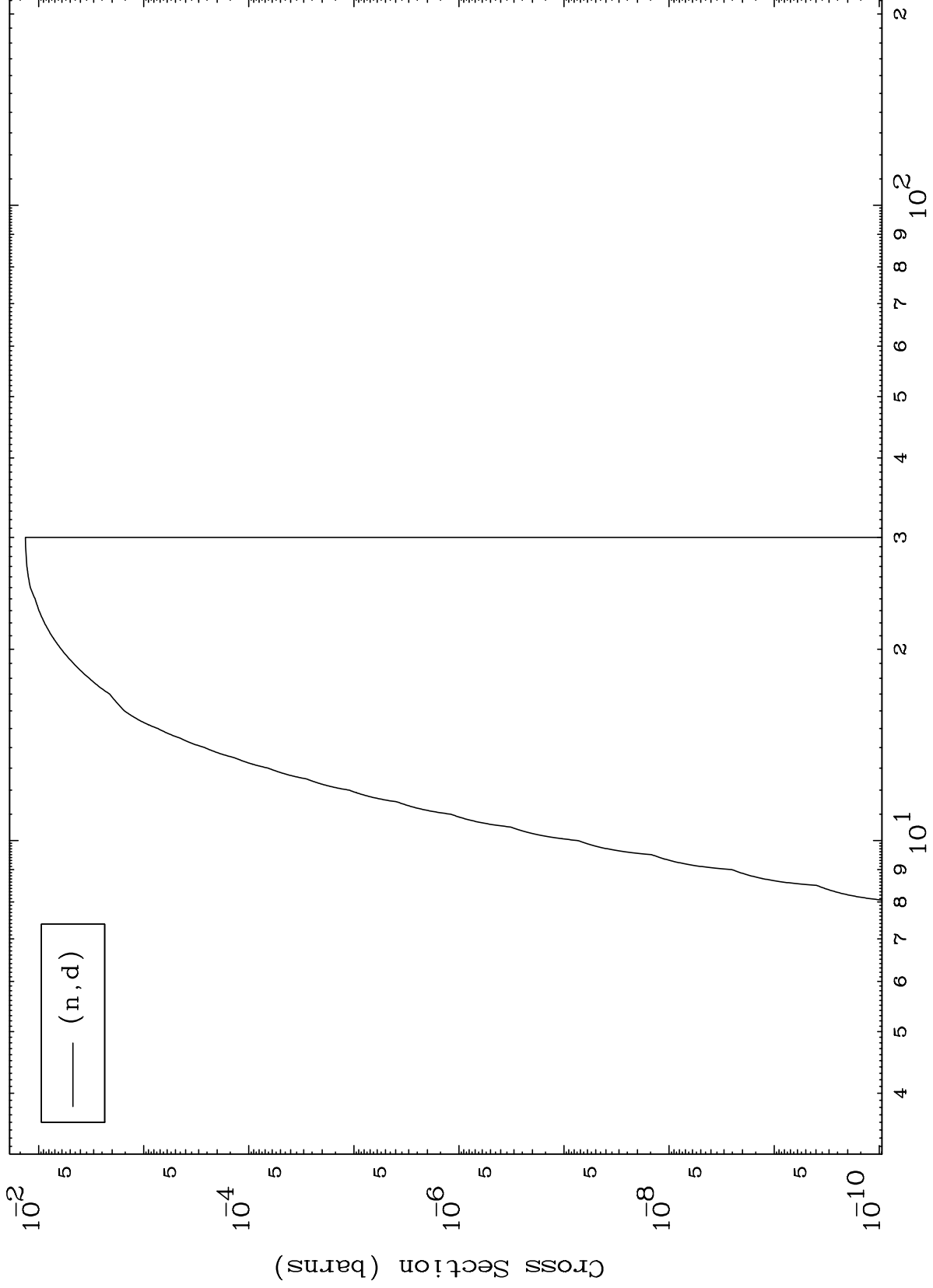
81-Tl-202



MAT 8122

(n,d) Levels  
293 Kelvin Cross Sections

81-T1-202



13

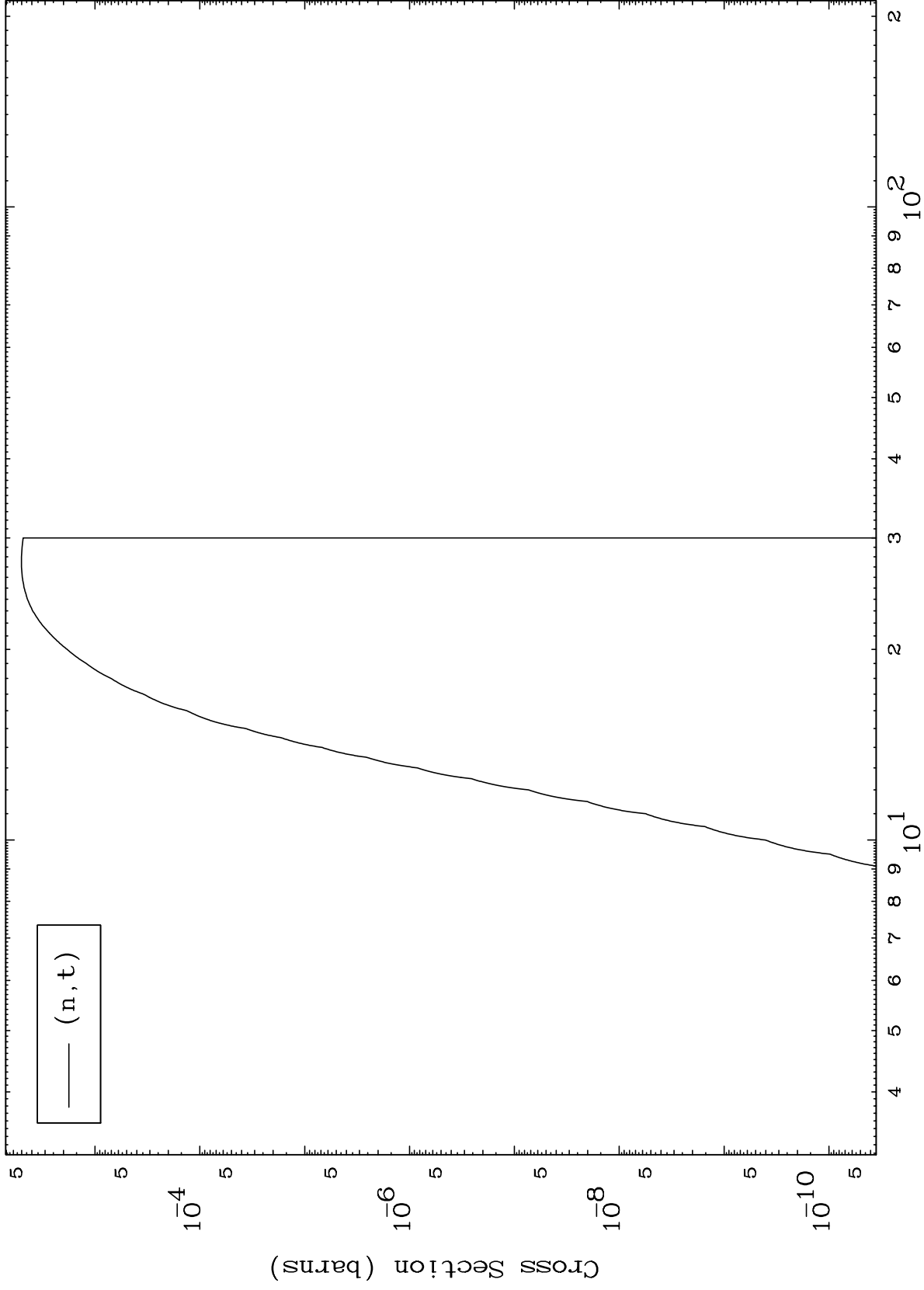
Incident Energy (MeV)

81-T1-202

MAT 8122

(n,t) Levels  
293 Kelvin Cross Sections

81-T1-202



14

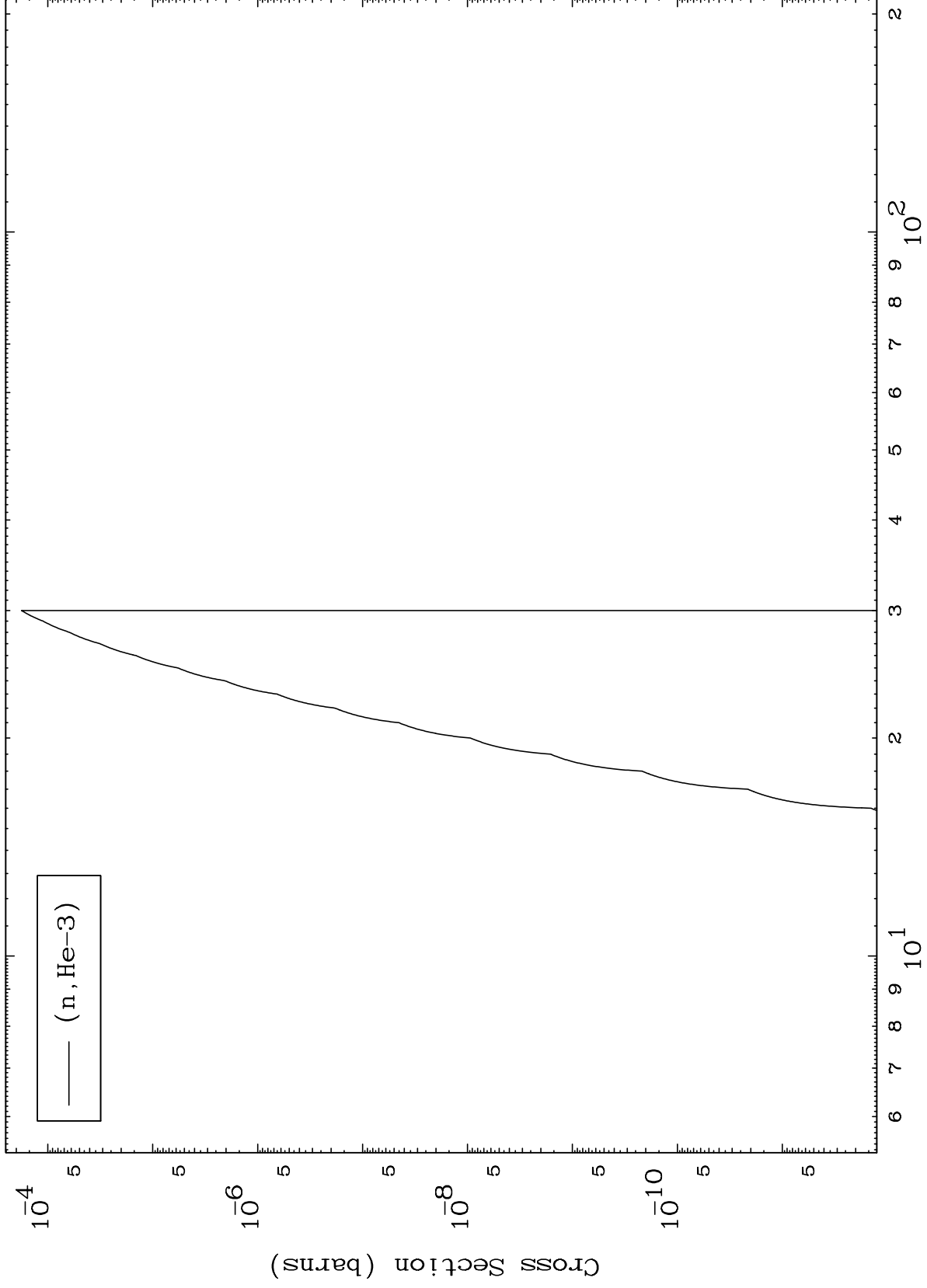
Incident Energy (MeV)

81-T1-202

MAT 8122

(n,He3) Levels  
293 Kelvin Cross Sections

81-T1-202

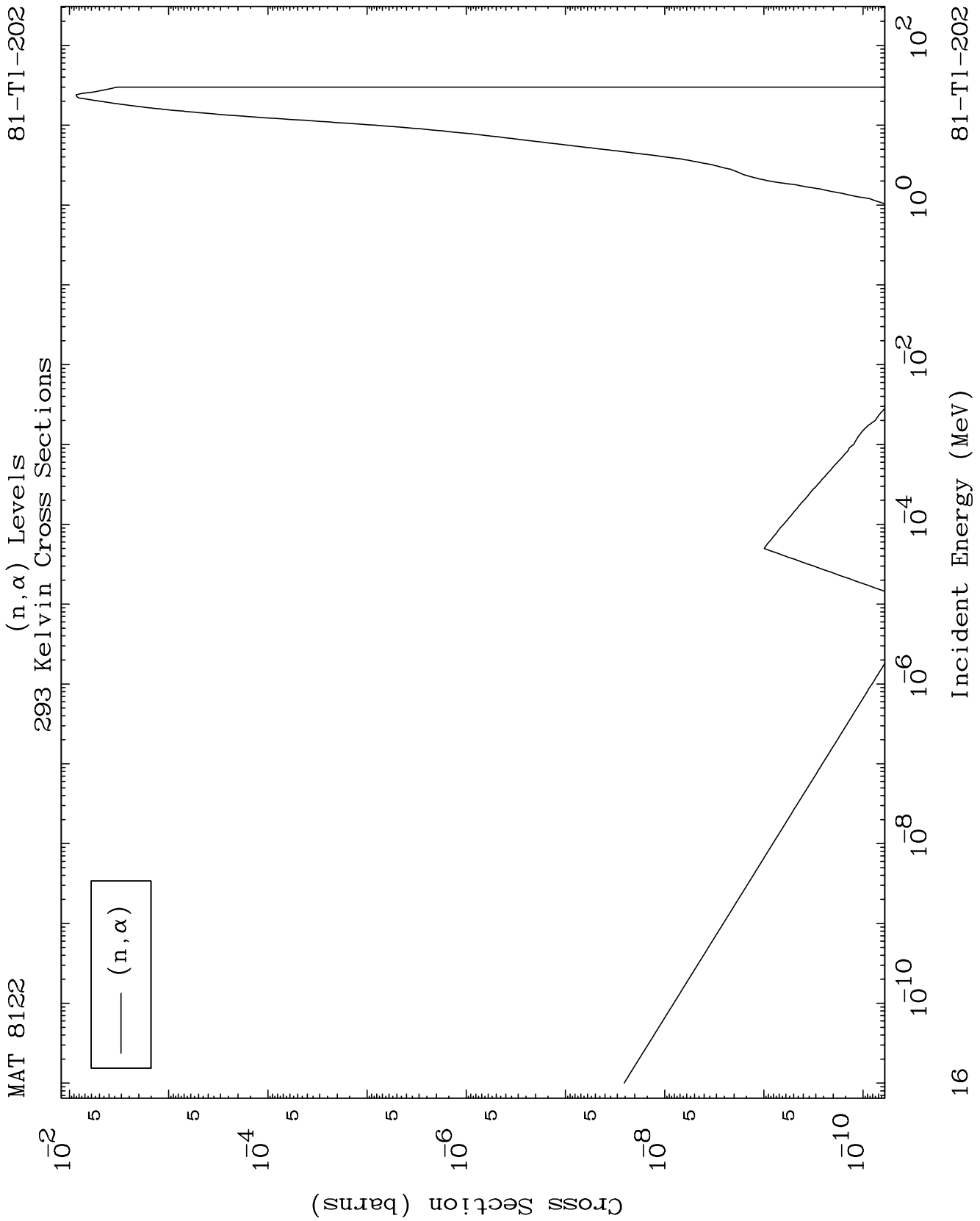


15

Incident Energy (MeV)

81-T1-202

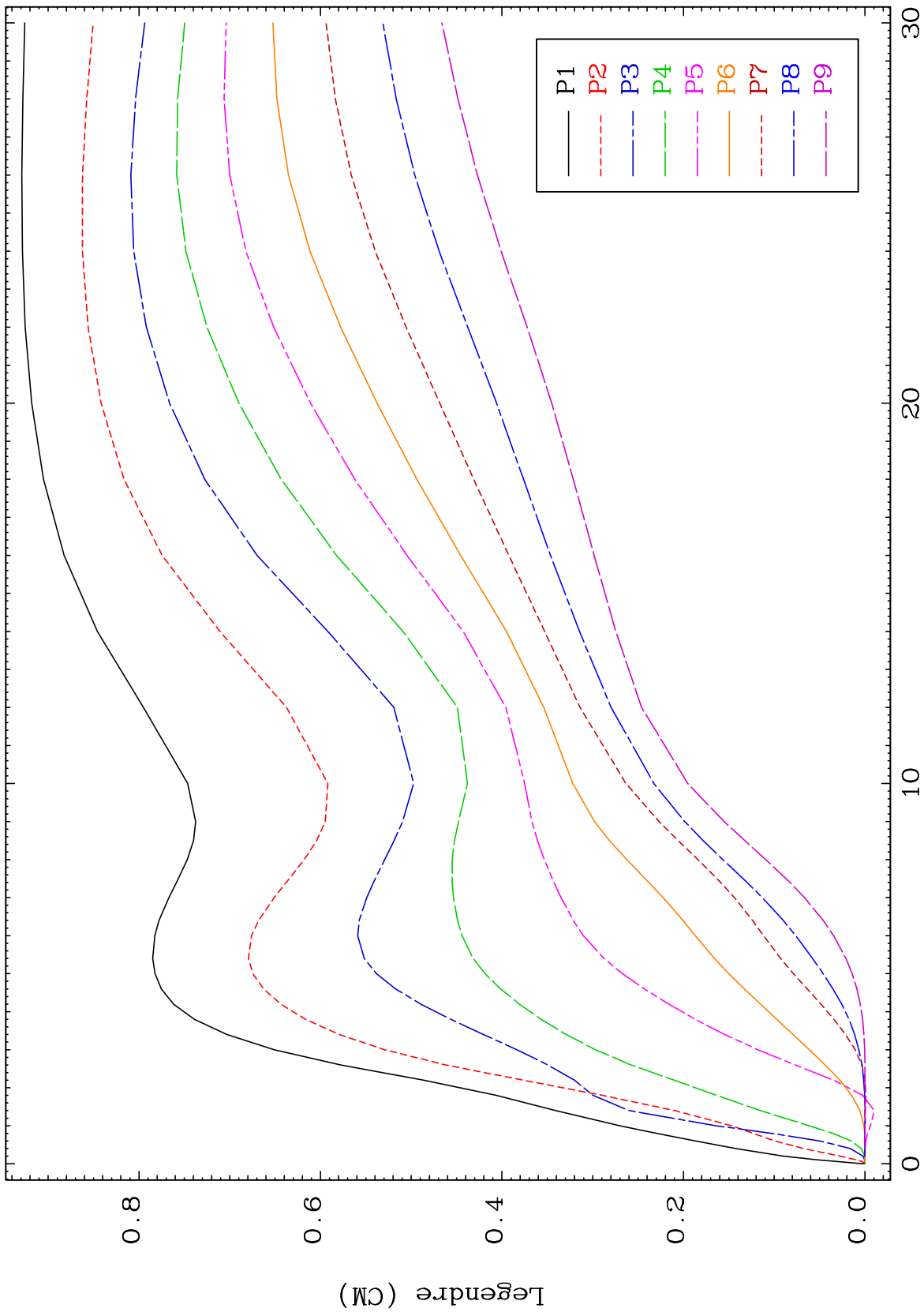




MAT 8122

81-T1-202

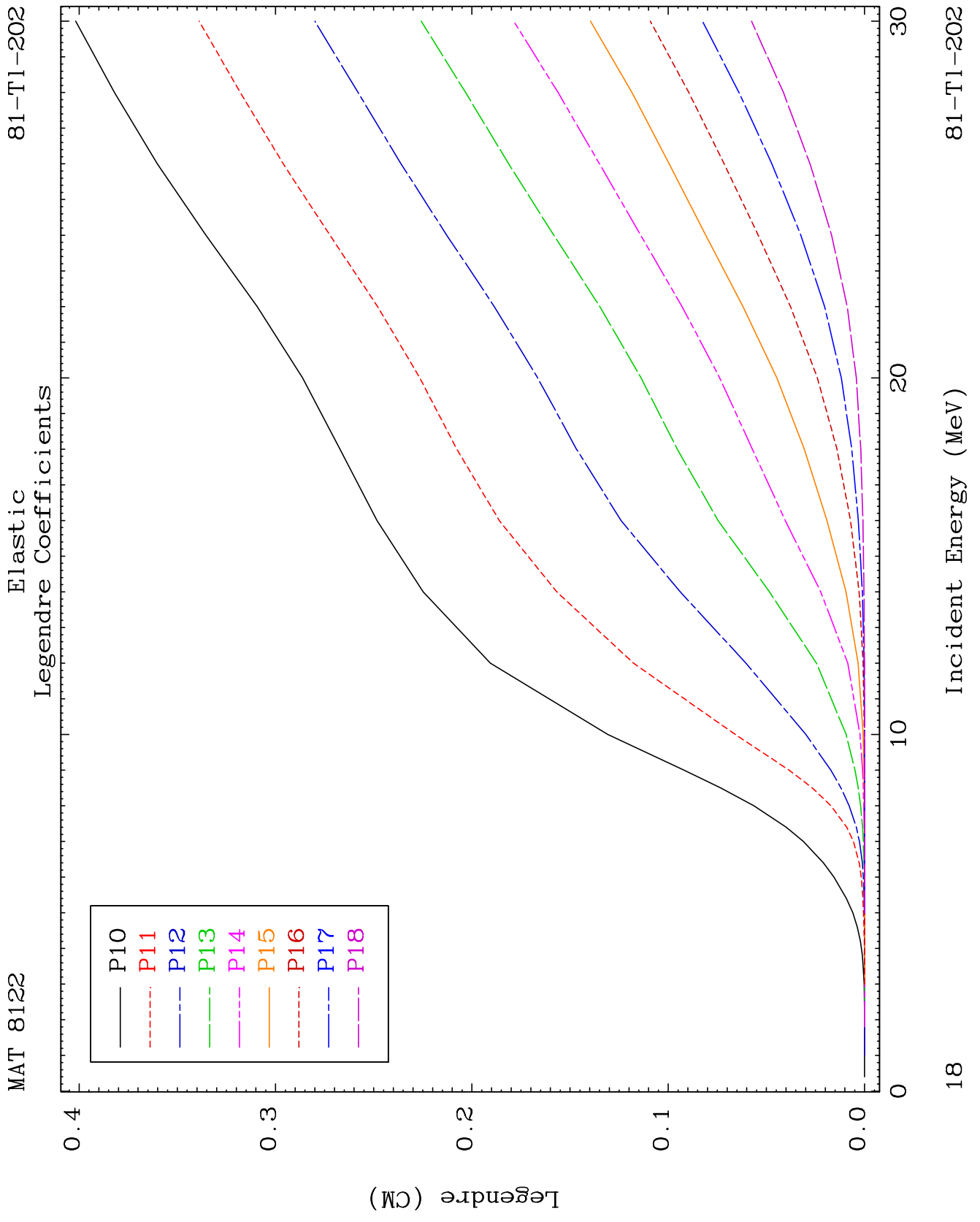
Elastic Legendre Coefficients



17

Incident Energy (MeV)

81-T1-202



MAT 8122

Elastic Legendre Coefficients

81-T1-202

18

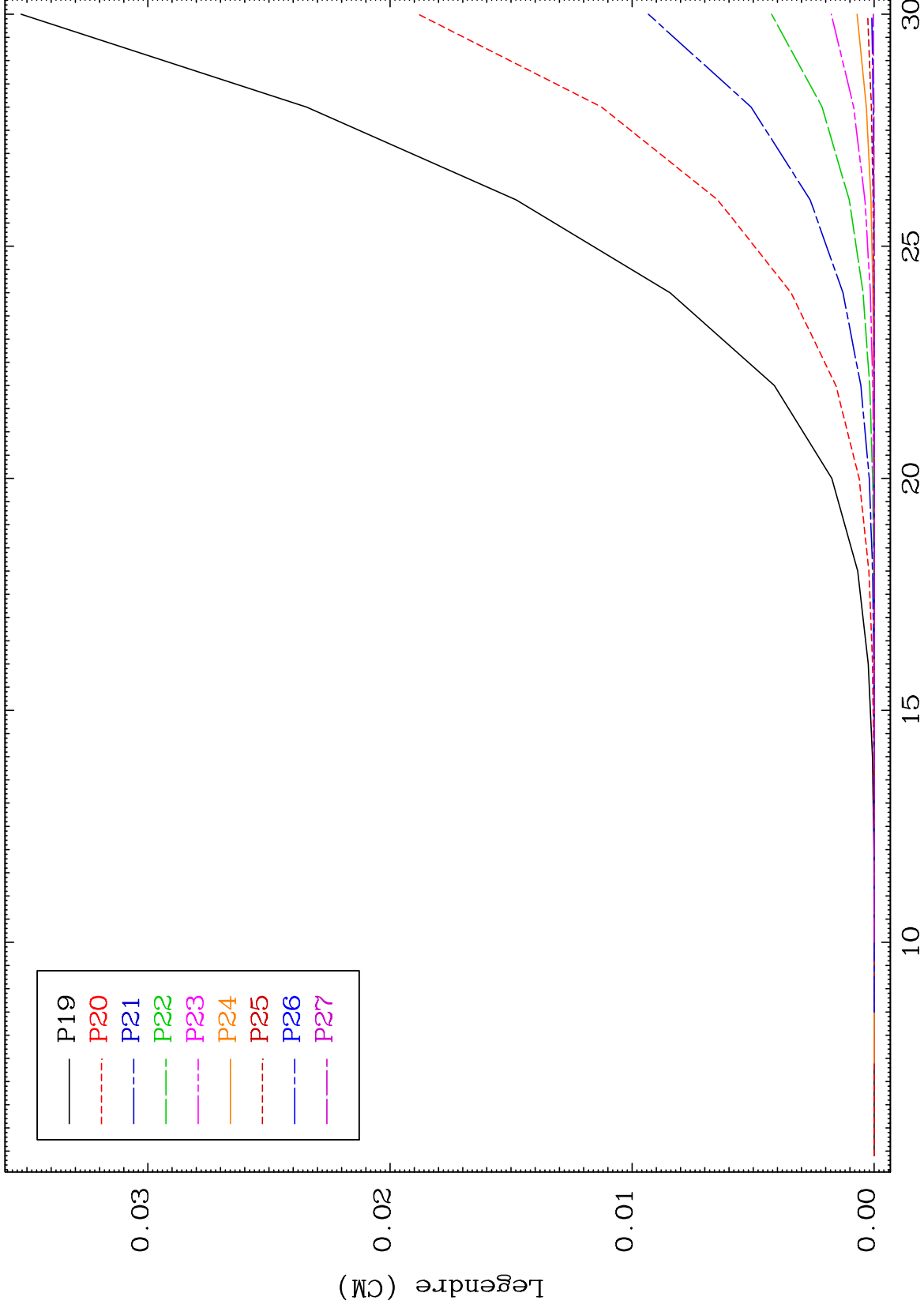
Incident Energy (MeV)

81-T1-202

MAT 8122

### Elastic Legendre Coefficients

81-T1-202



19

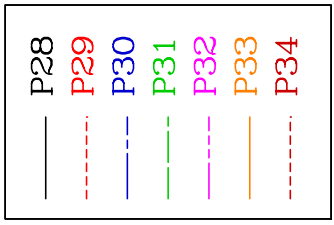
Incident Energy (MeV)

81-T1-202

MAT 8122

Elastic Legendre Coefficients

81-T1-202



$\times 10^{-5}$

Legendre (CM)

1.0

0.8

0.6

0.4

0.2

0.0

15

20

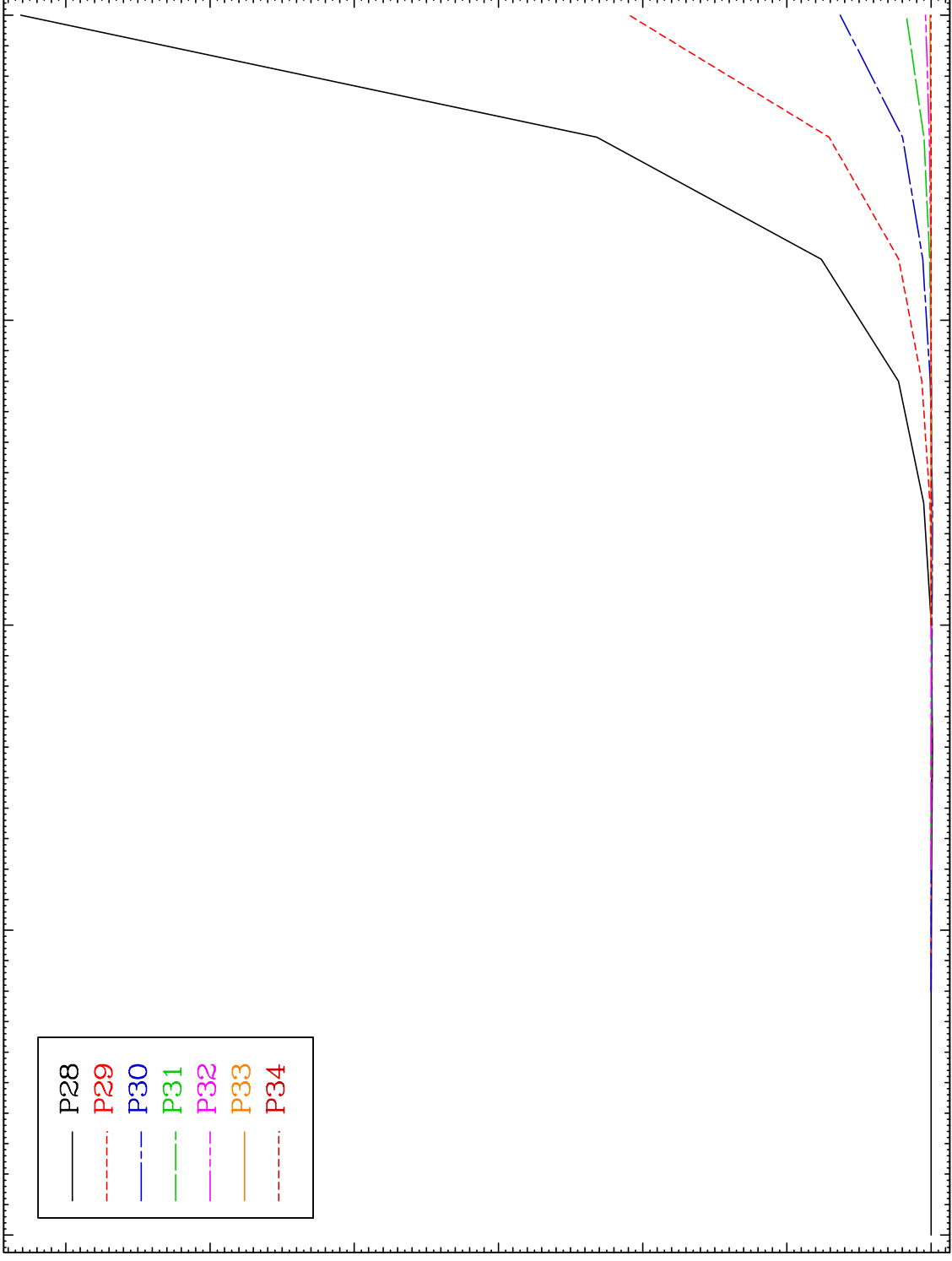
25

30

20

Incident Energy (MeV)

81-T1-202

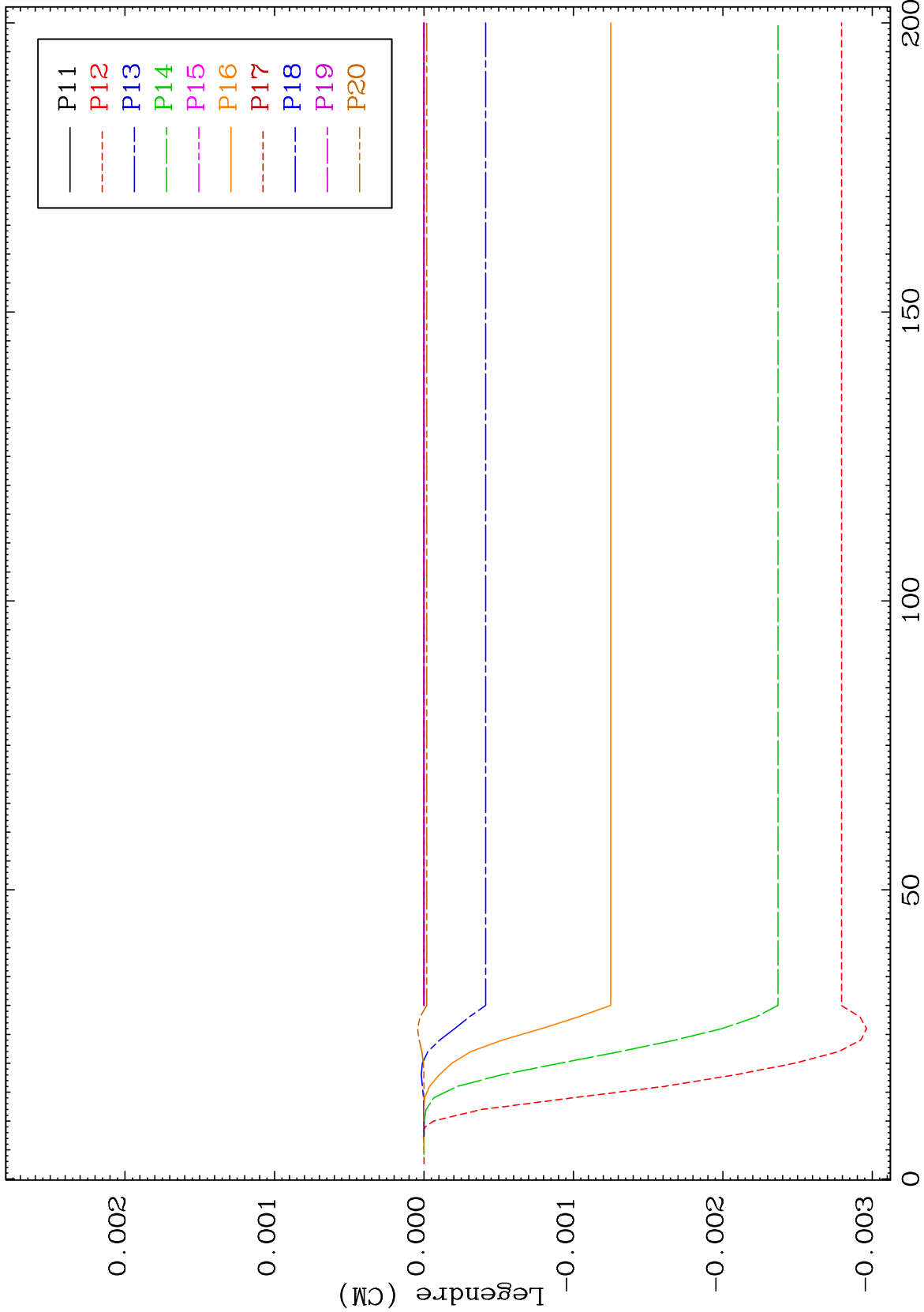




MAT 8122

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

81-T1-202



22

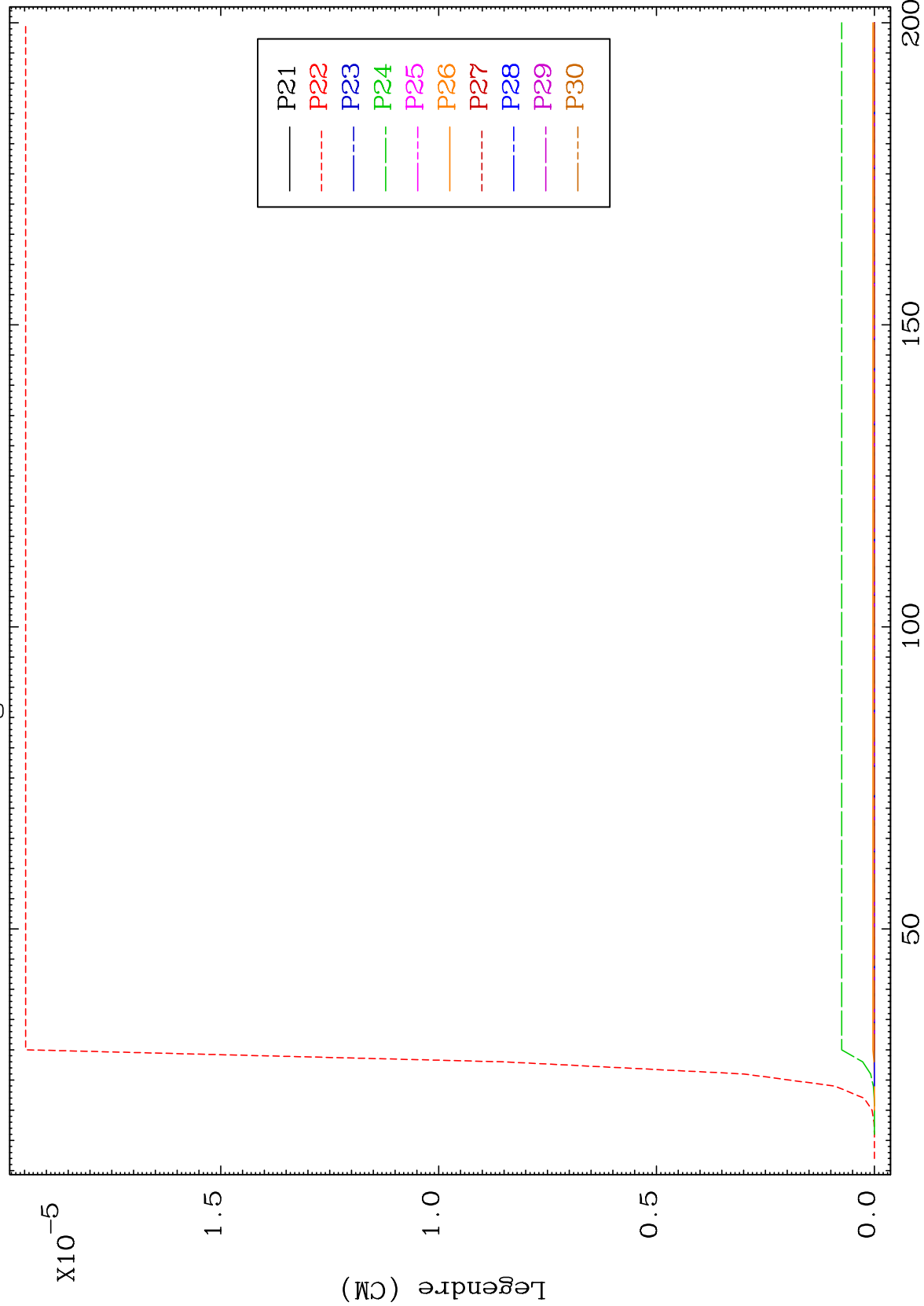
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



23

Incident Energy (MeV)

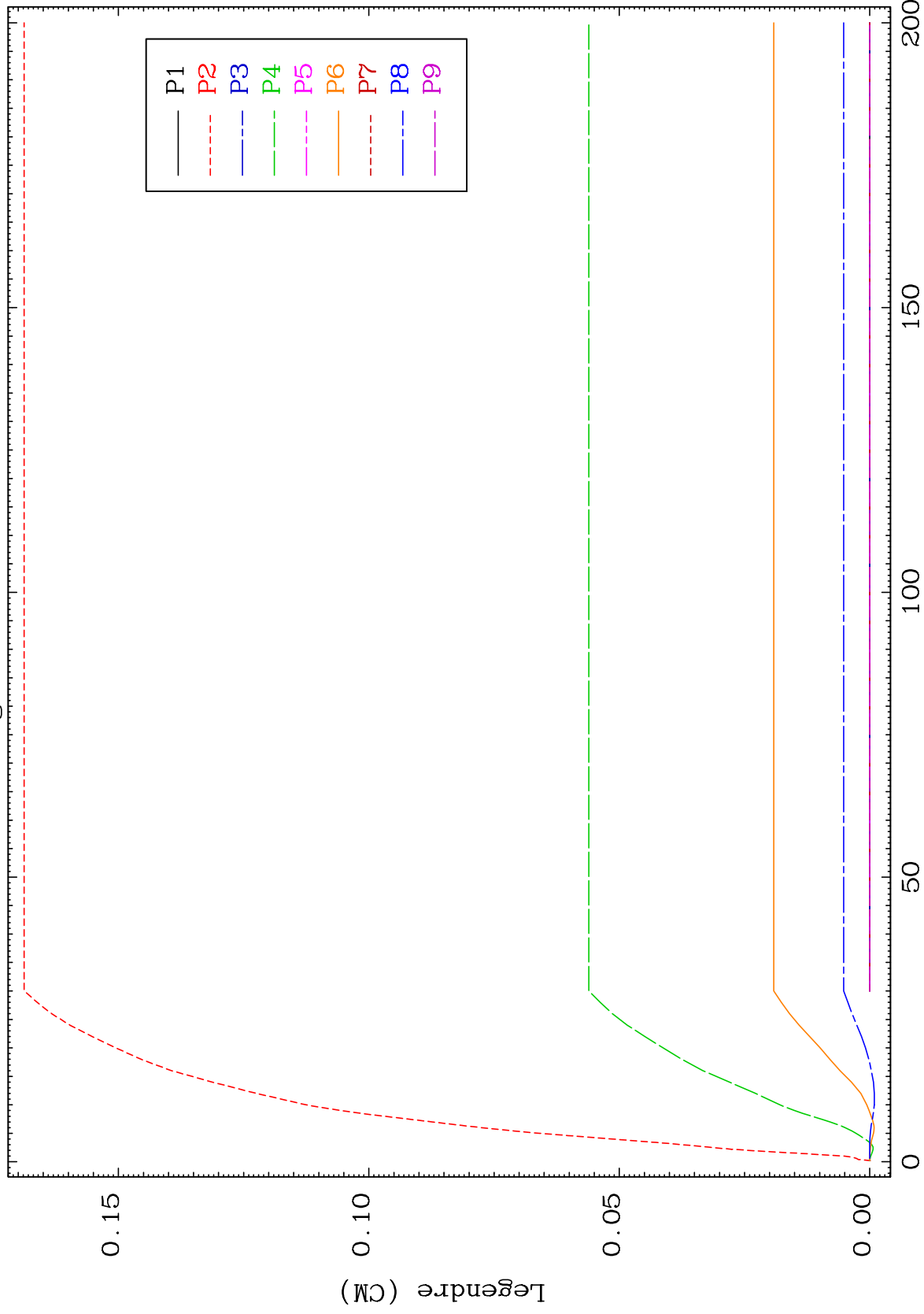
81-T1-202



MAT 8122

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

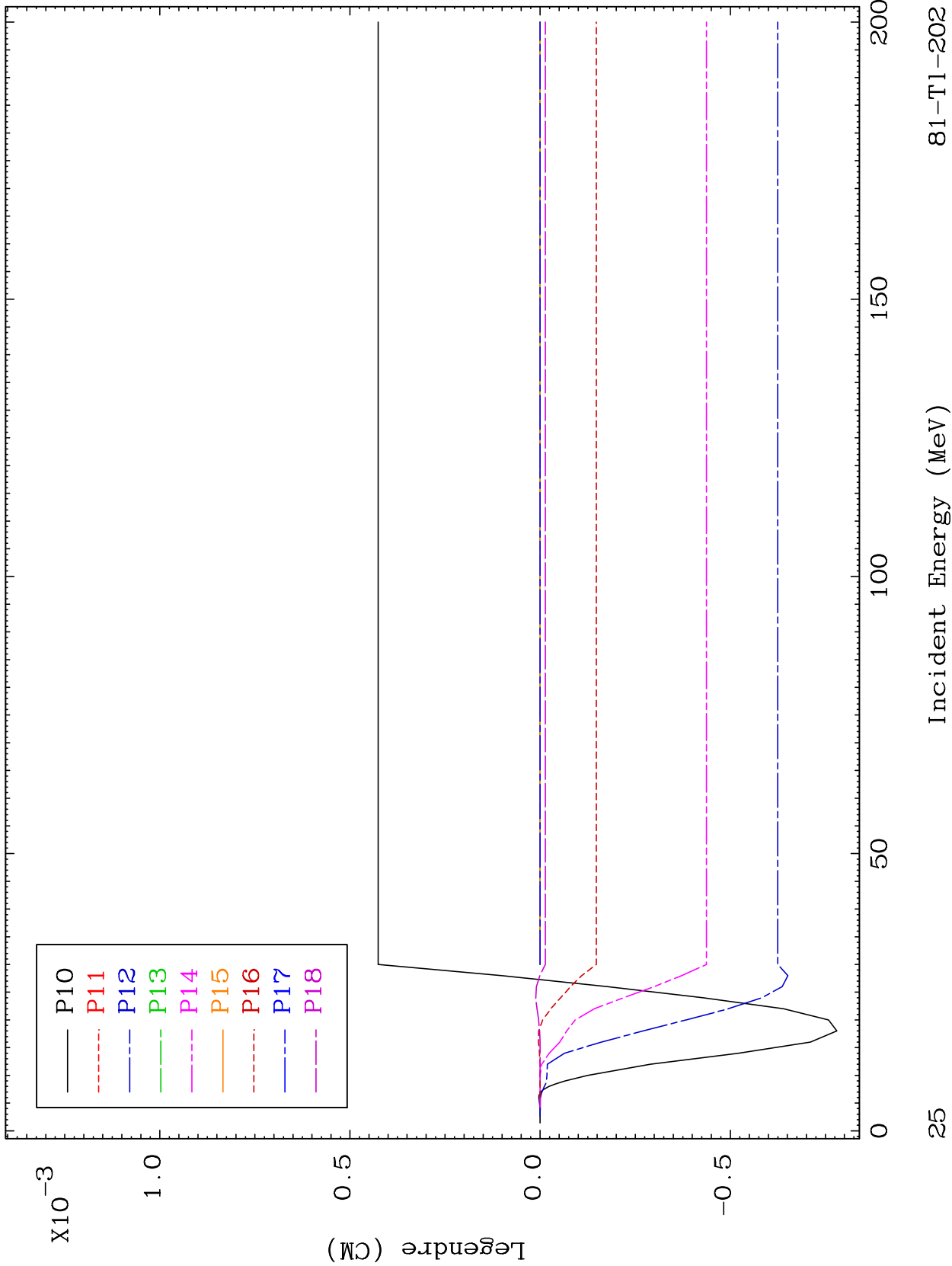
81-T1-202



24

Incident Energy (MeV)

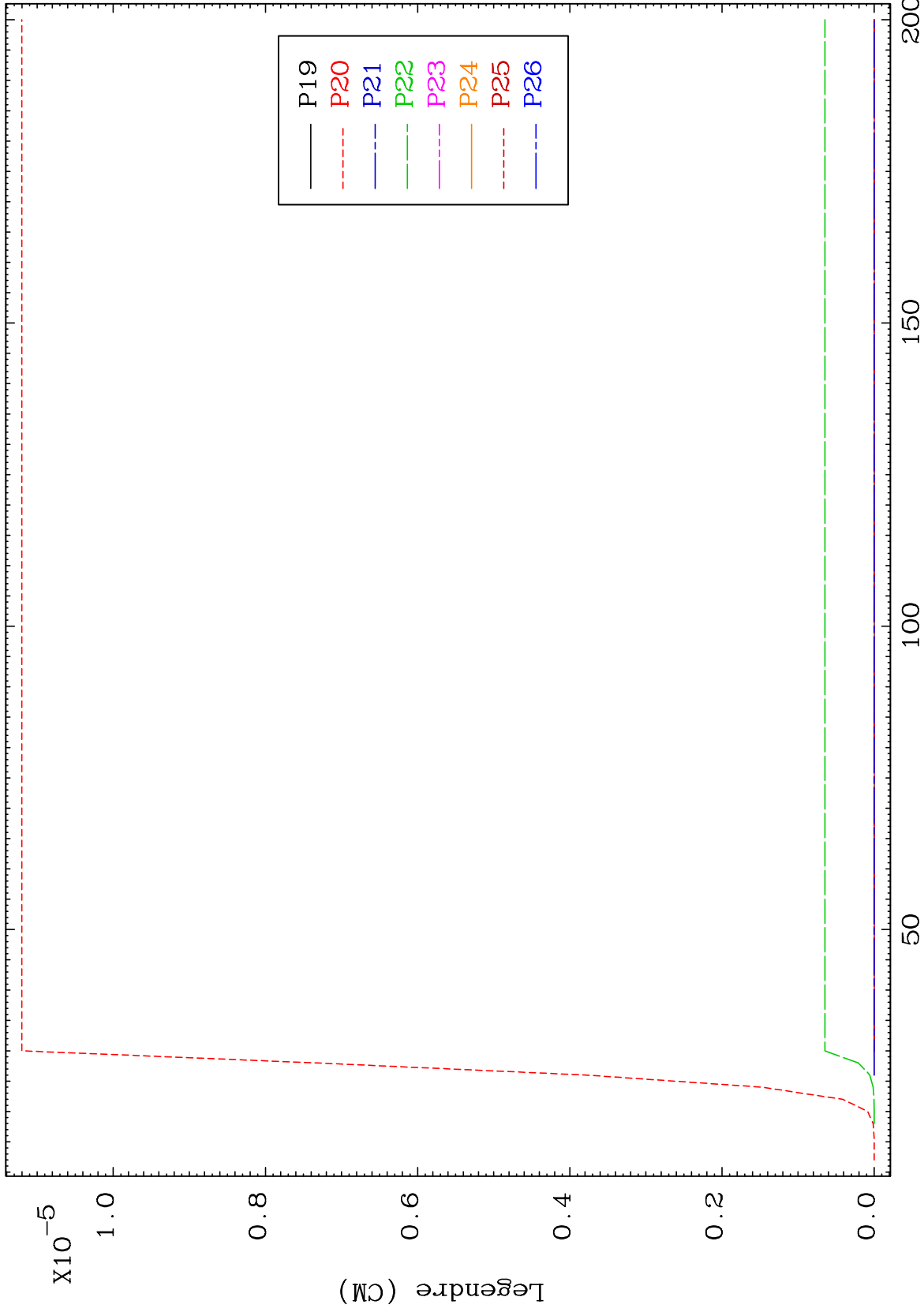
81-T1-202



MAT 8122

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

81-T1-202



26

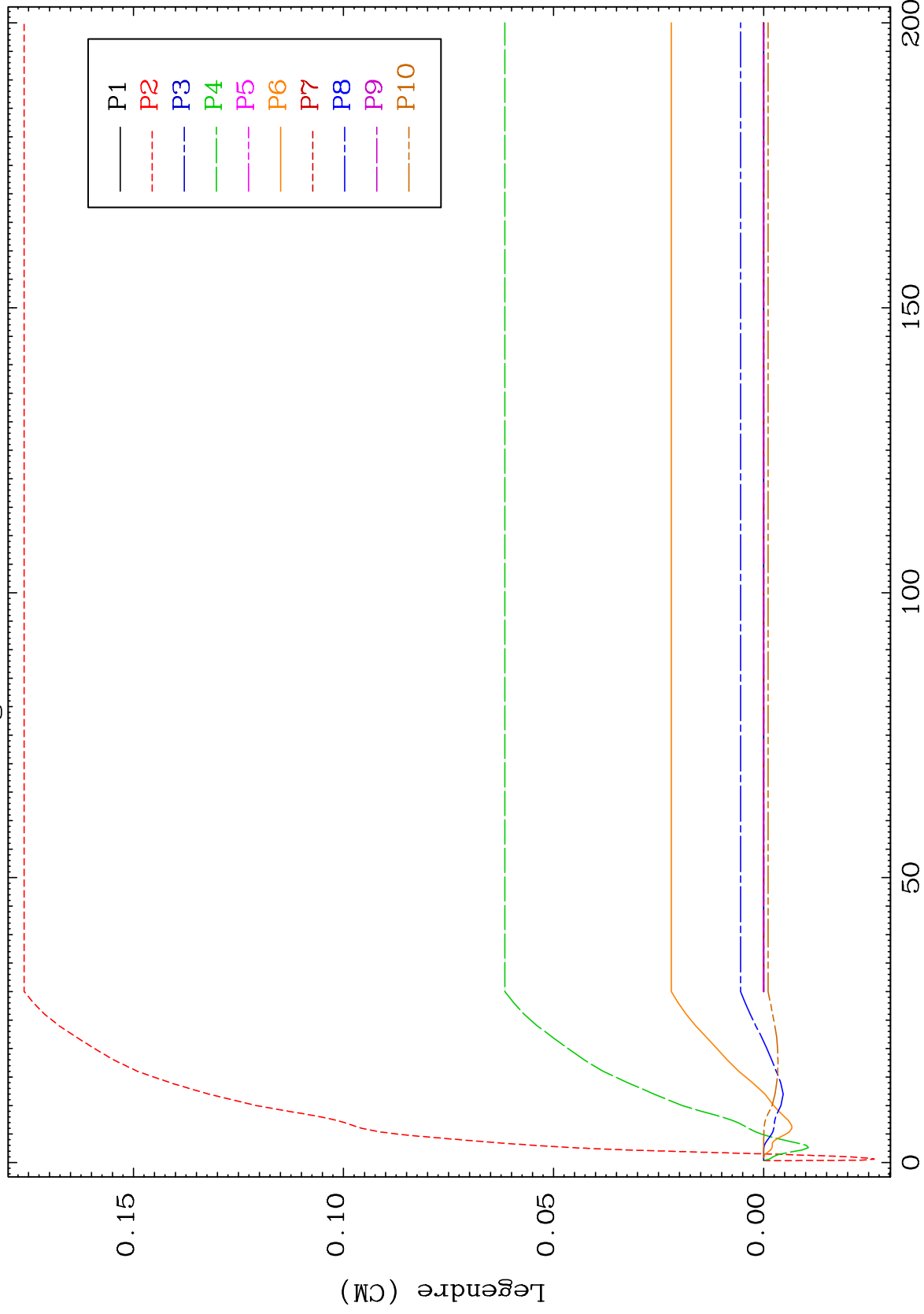
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



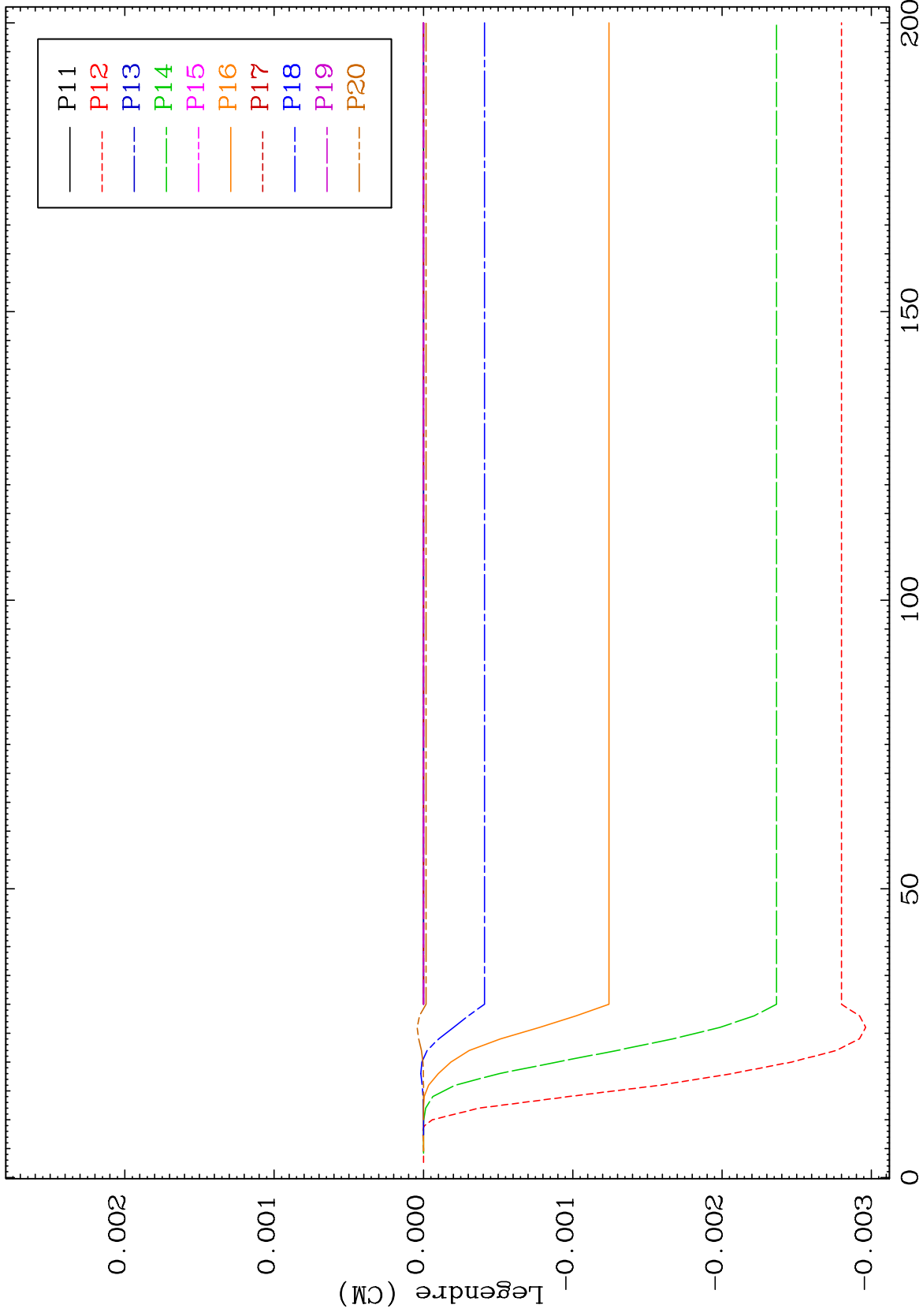
27

81-T1-202

MAT 8122

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

81-T1-202



28

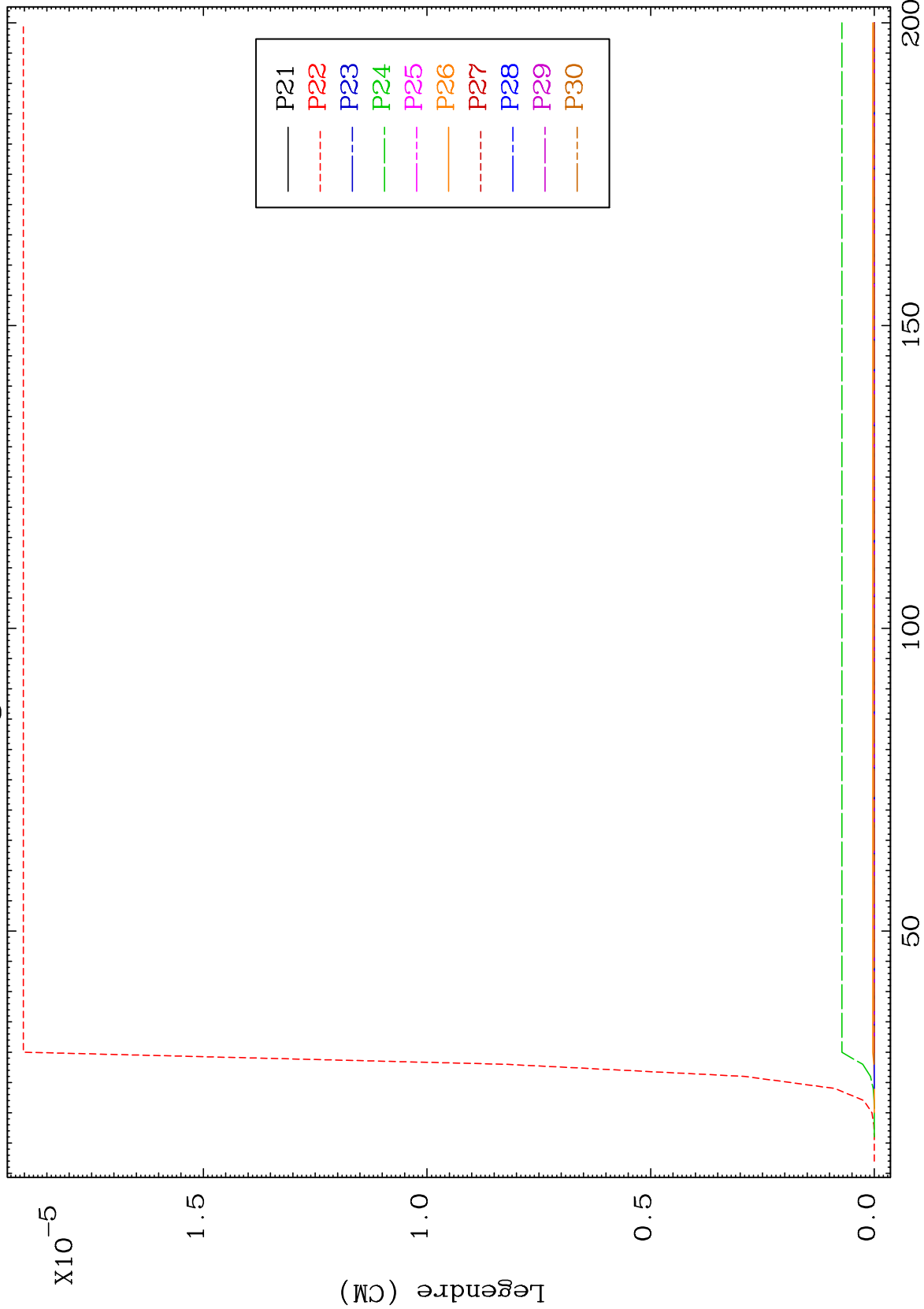
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



29

Incident Energy (MeV)

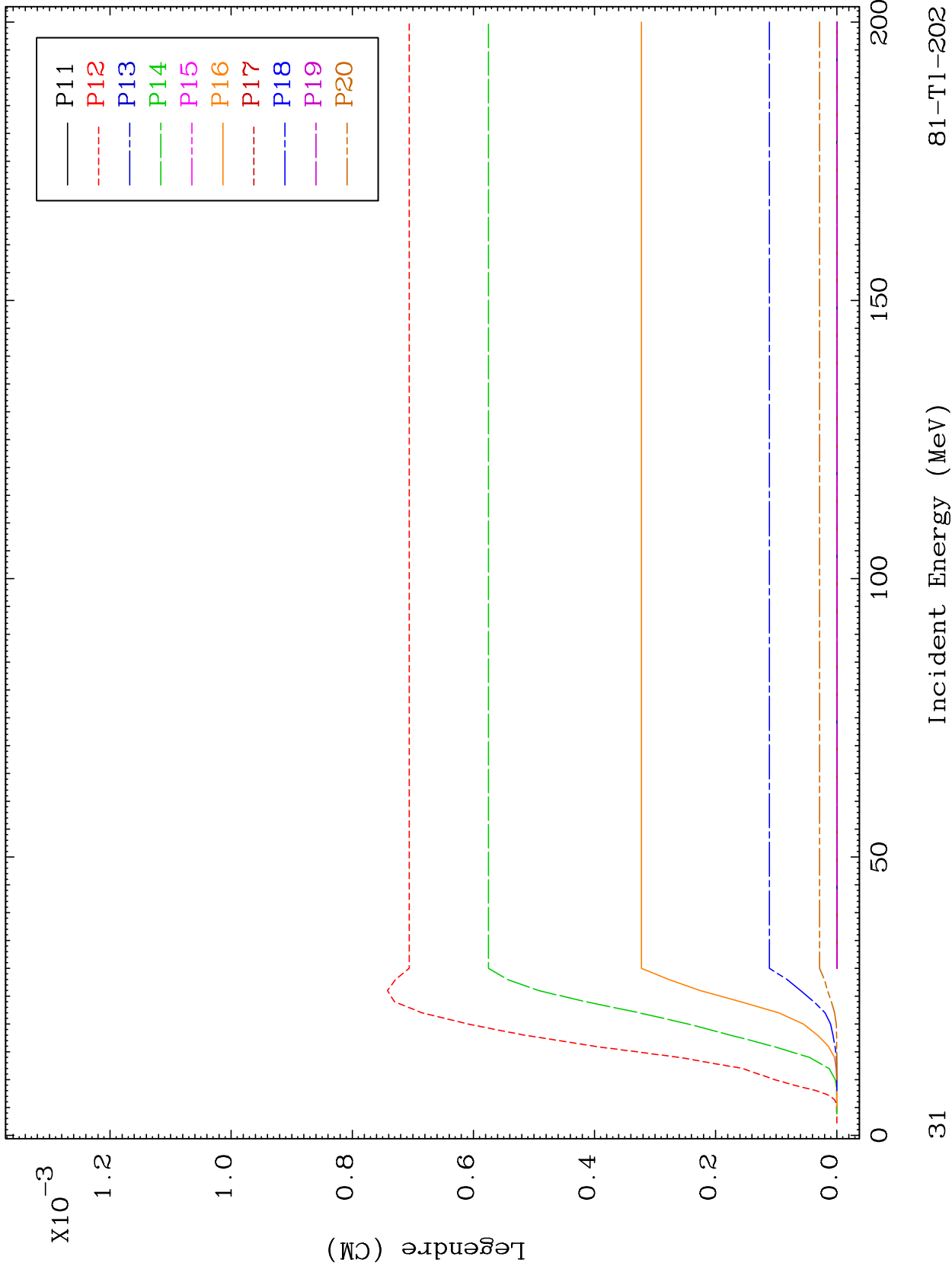
81-T1-202



MAT 8122

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

81-T1-202



31

Incident Energy (MeV)

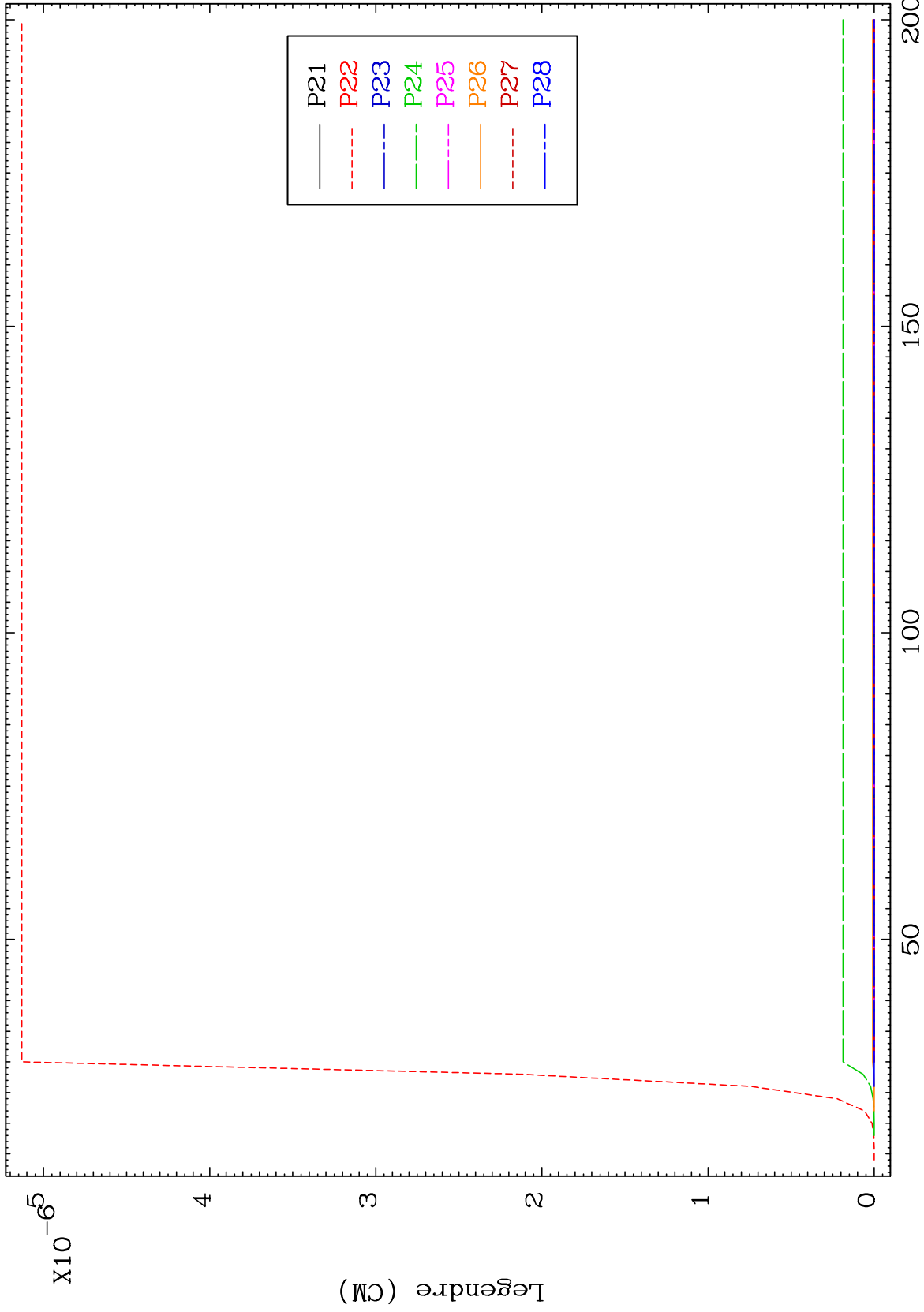
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MAT 8122

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

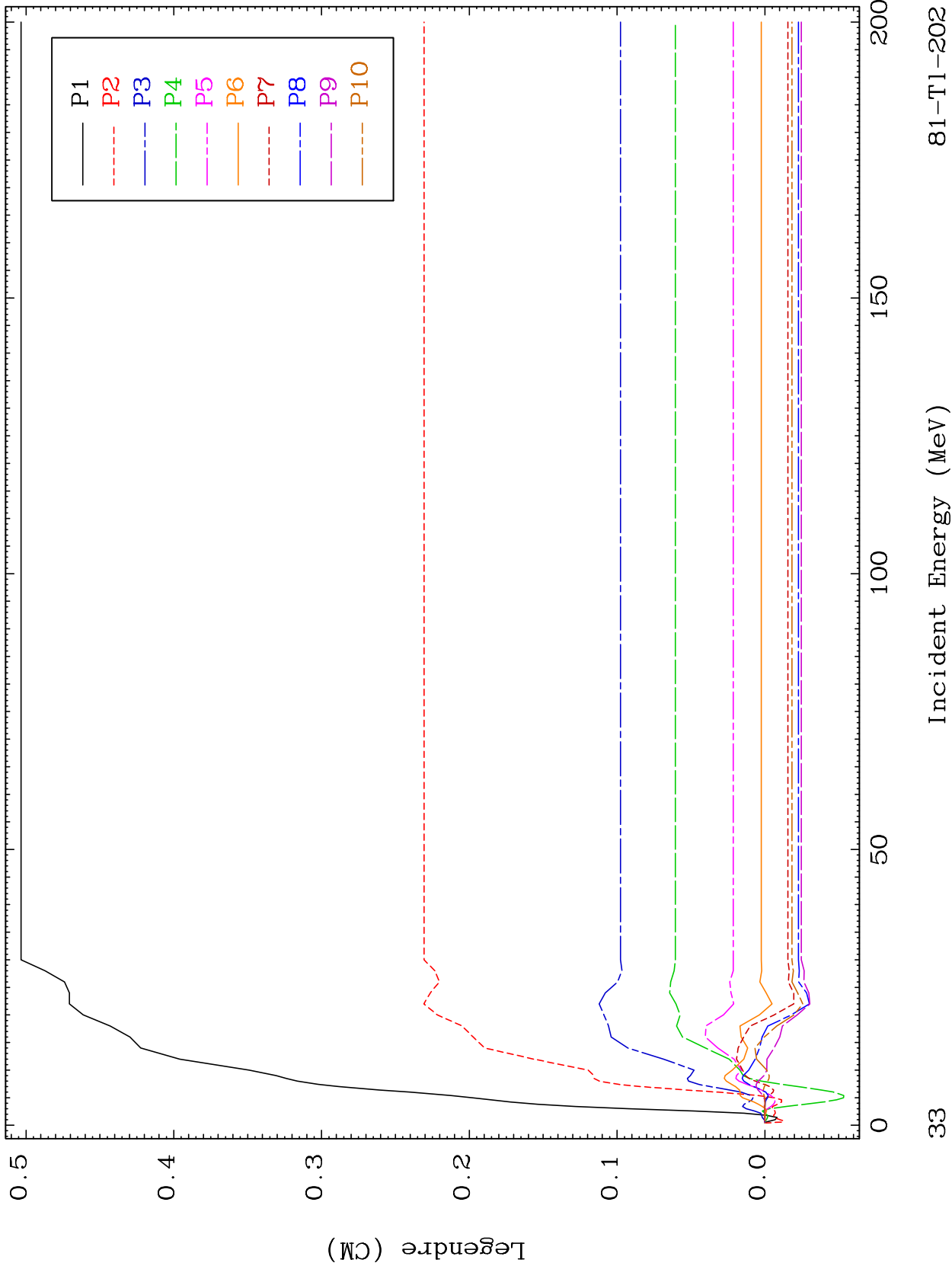
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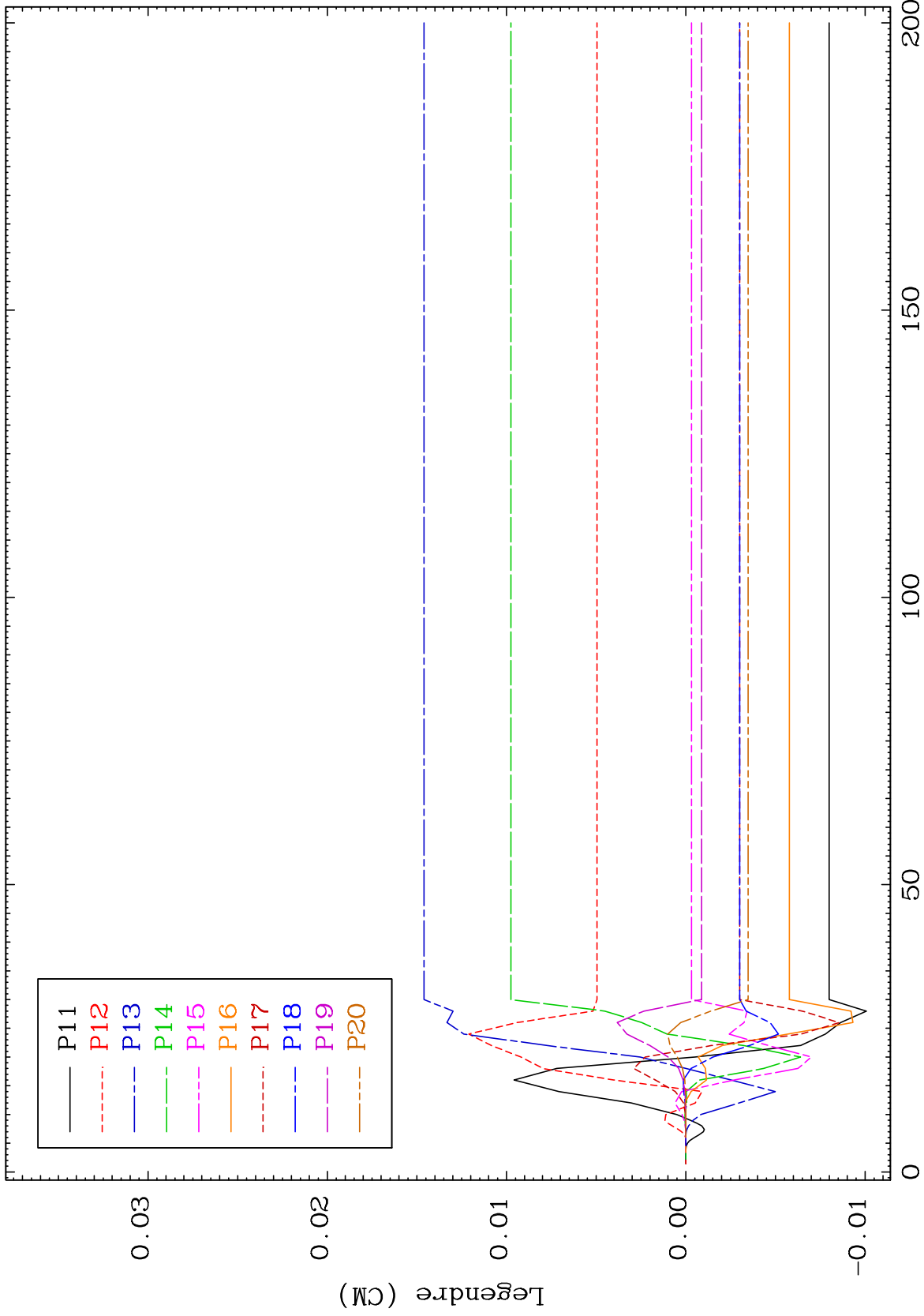


32

Incident Energy (MeV)

81-T1-202

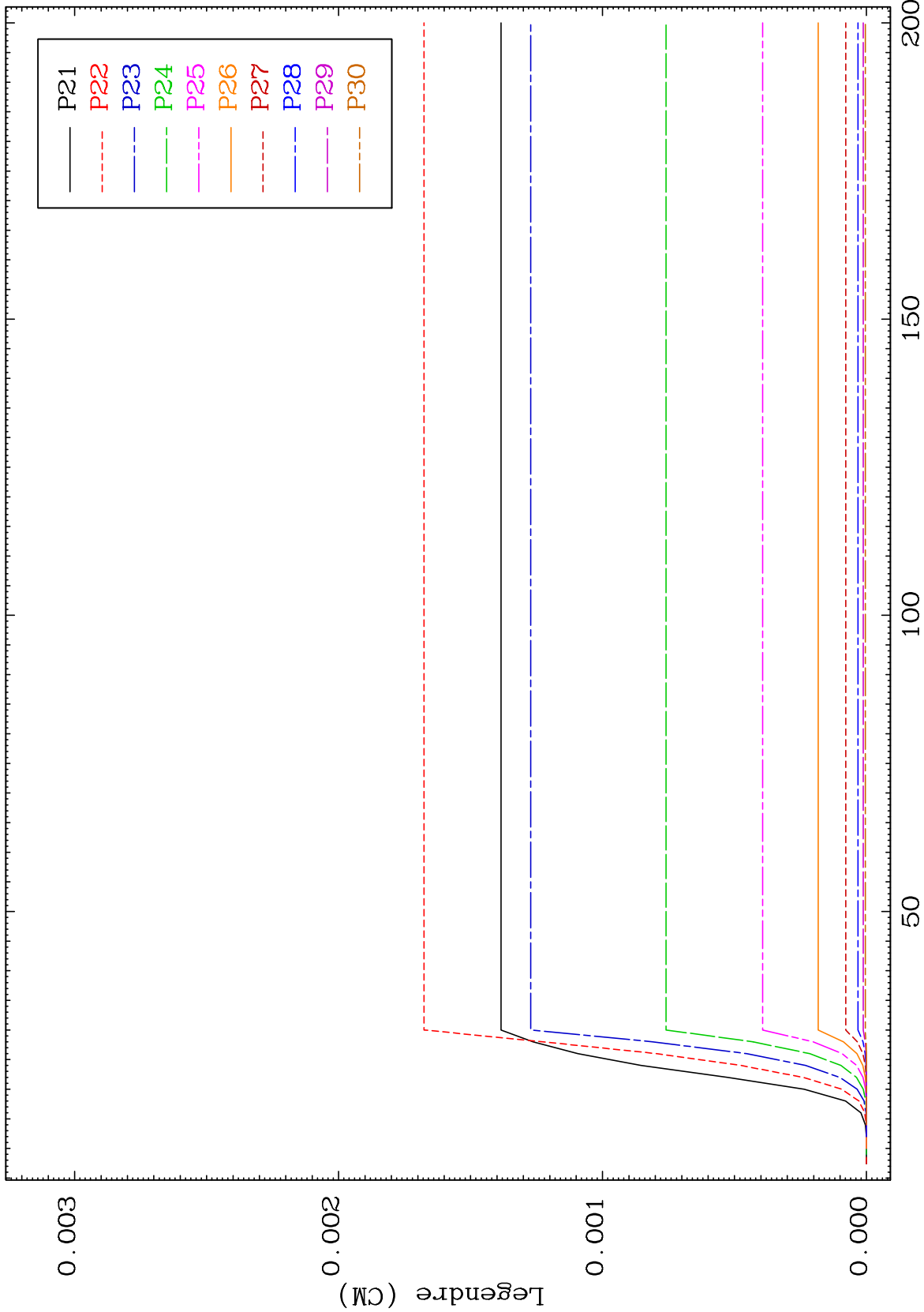




MAT 8122

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

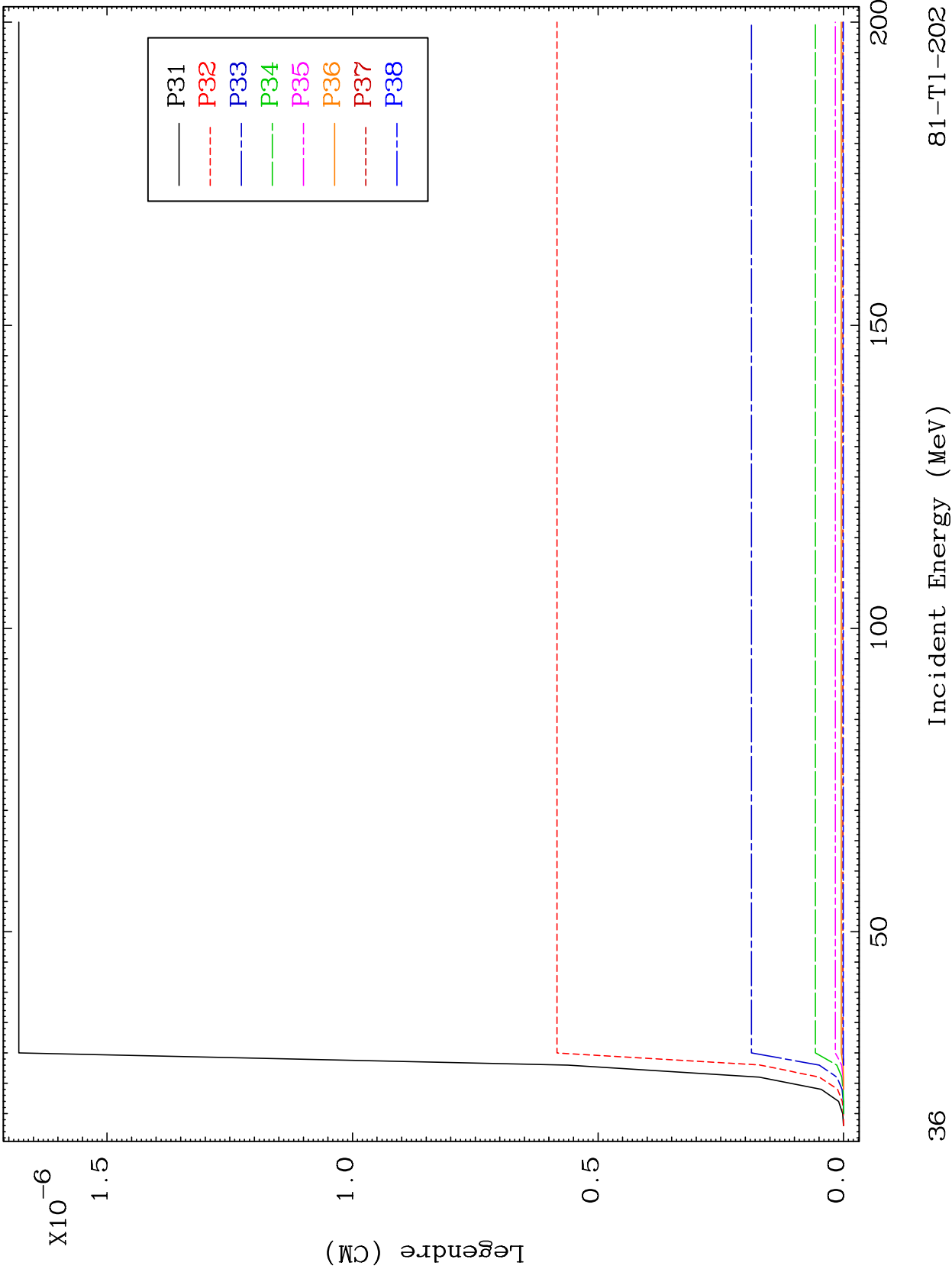
81-T1-202



35

Incident Energy (MeV)

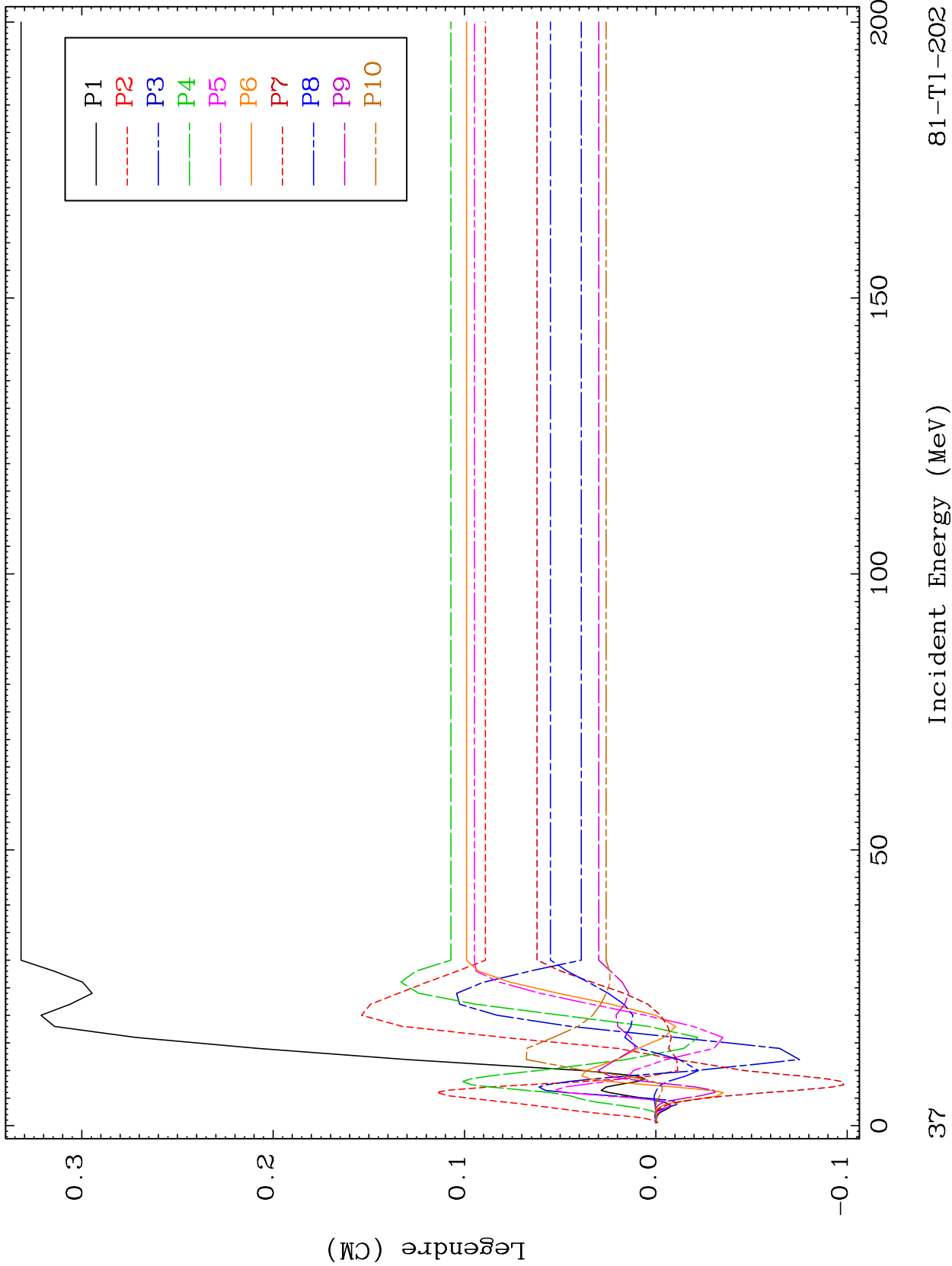
81-T1-202



MAT 8122

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

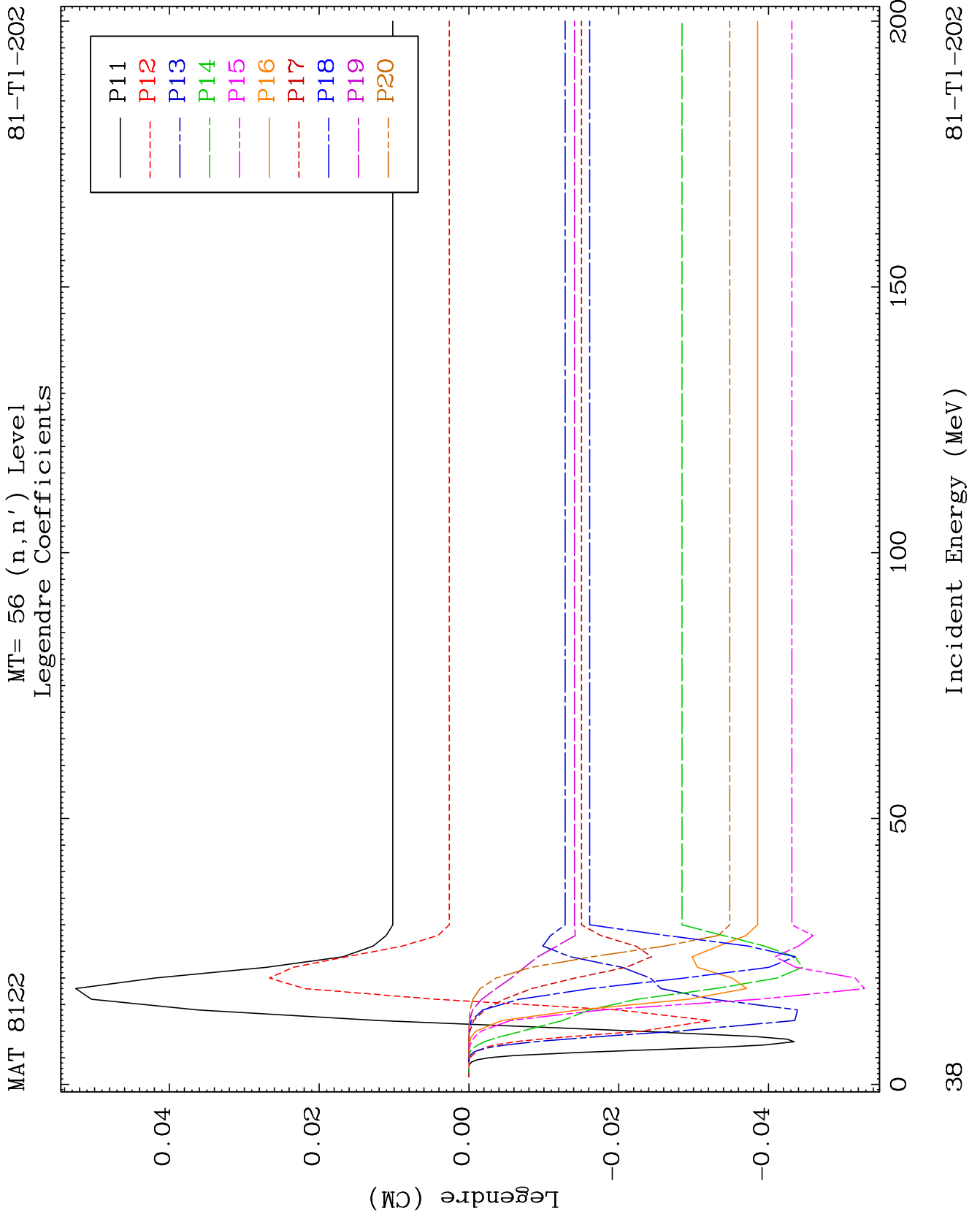
81-T1-202

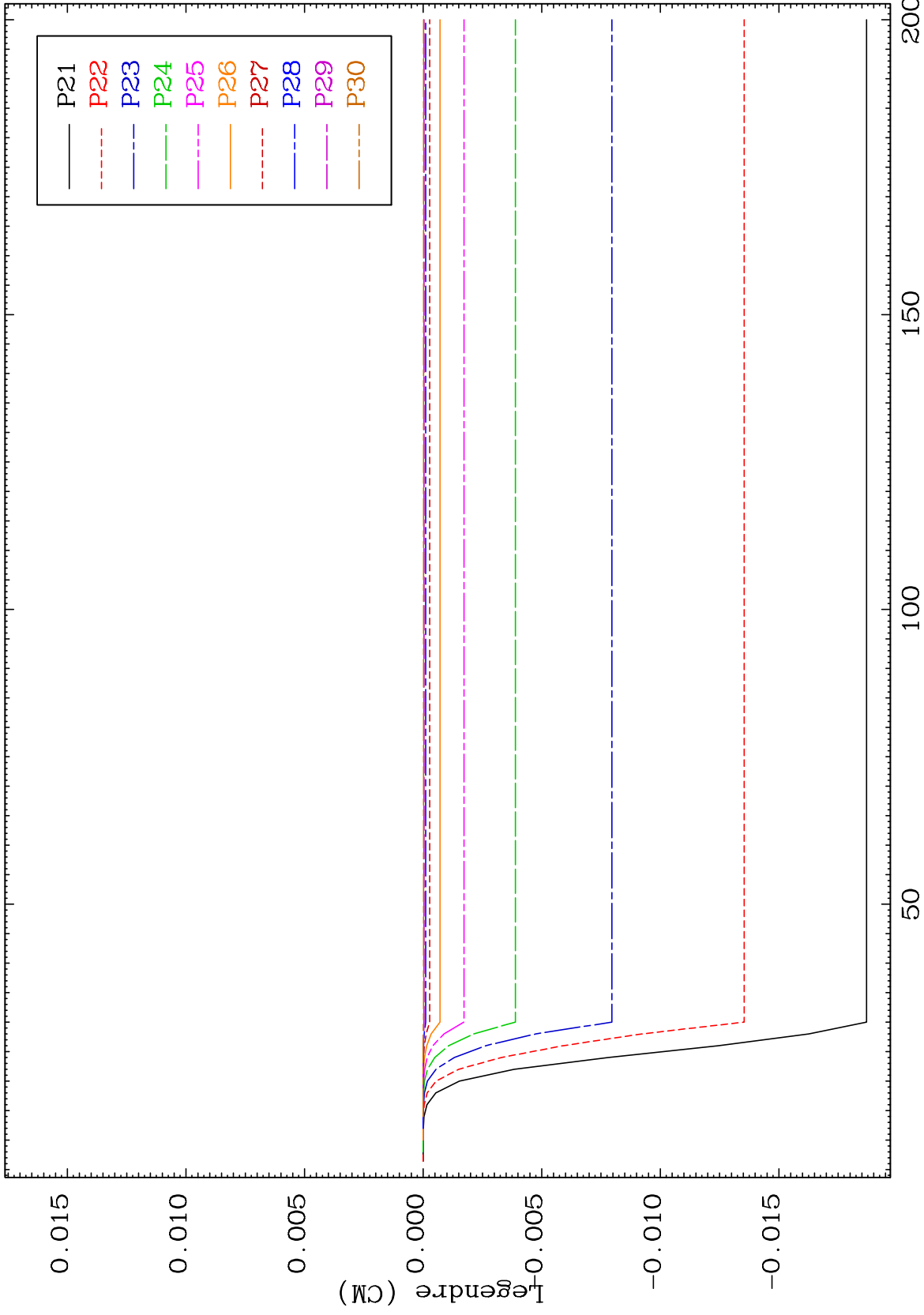


81-T1-202

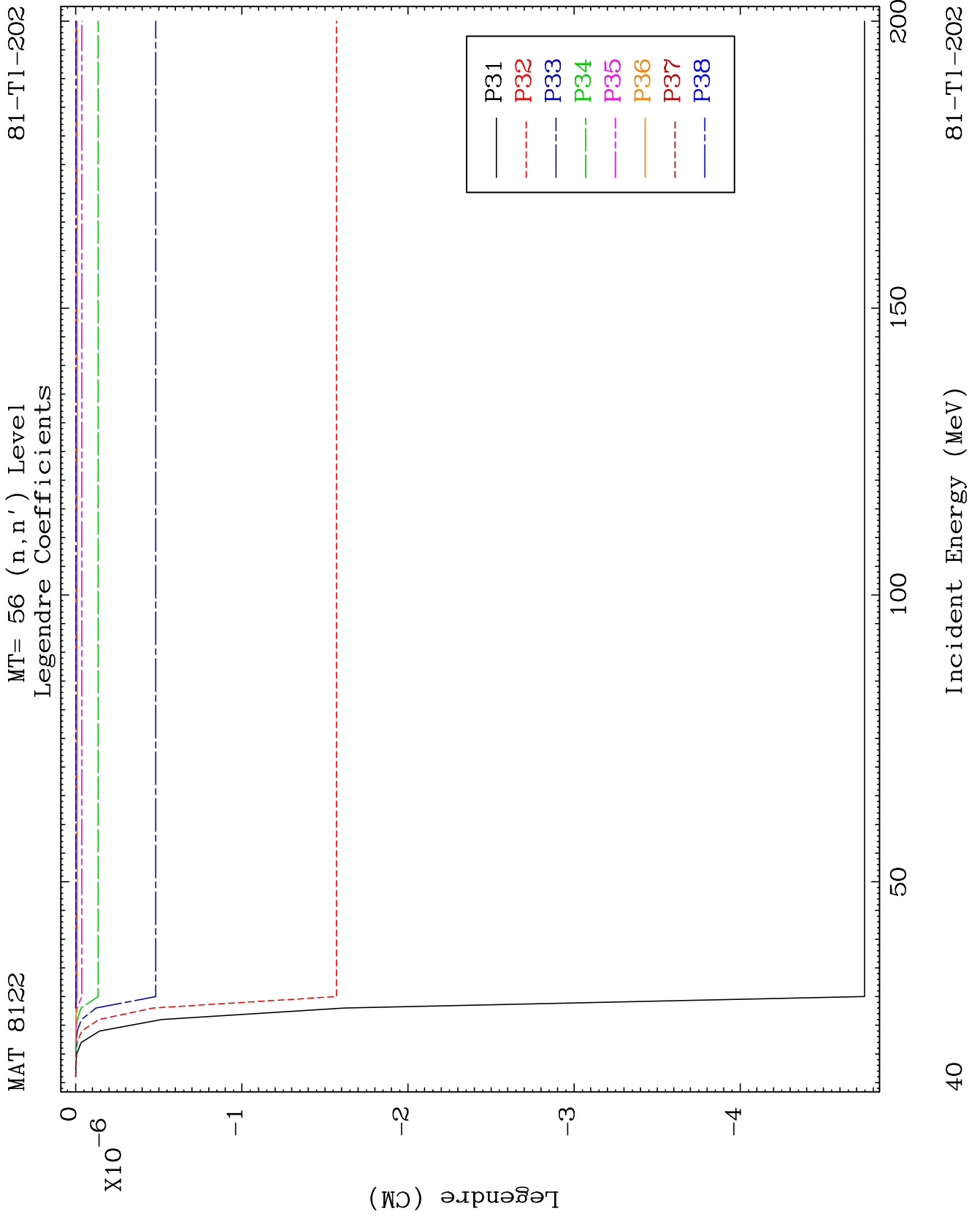
Incident Energy (MeV)

37





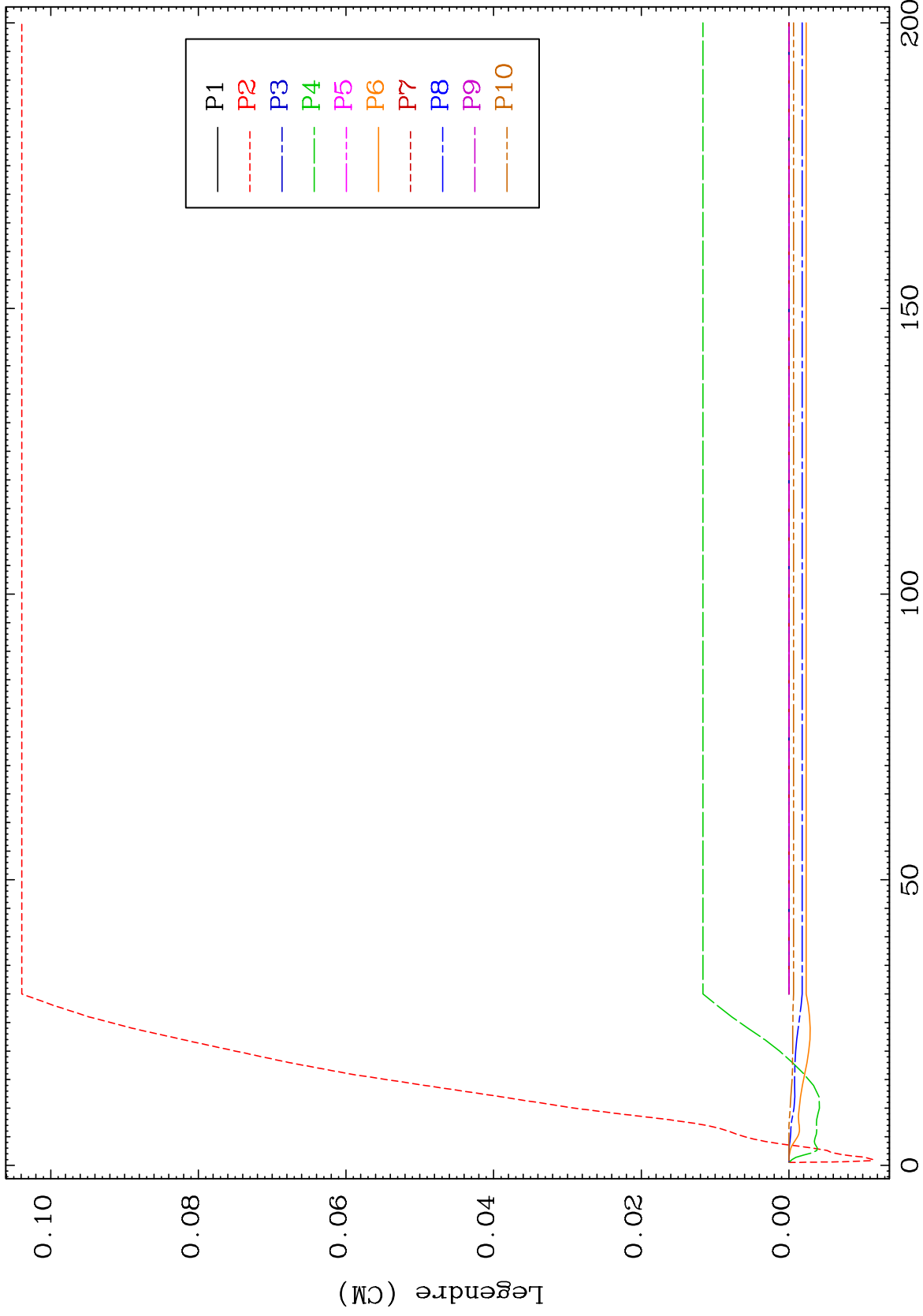




MAT 8122

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

81-T1-202



41

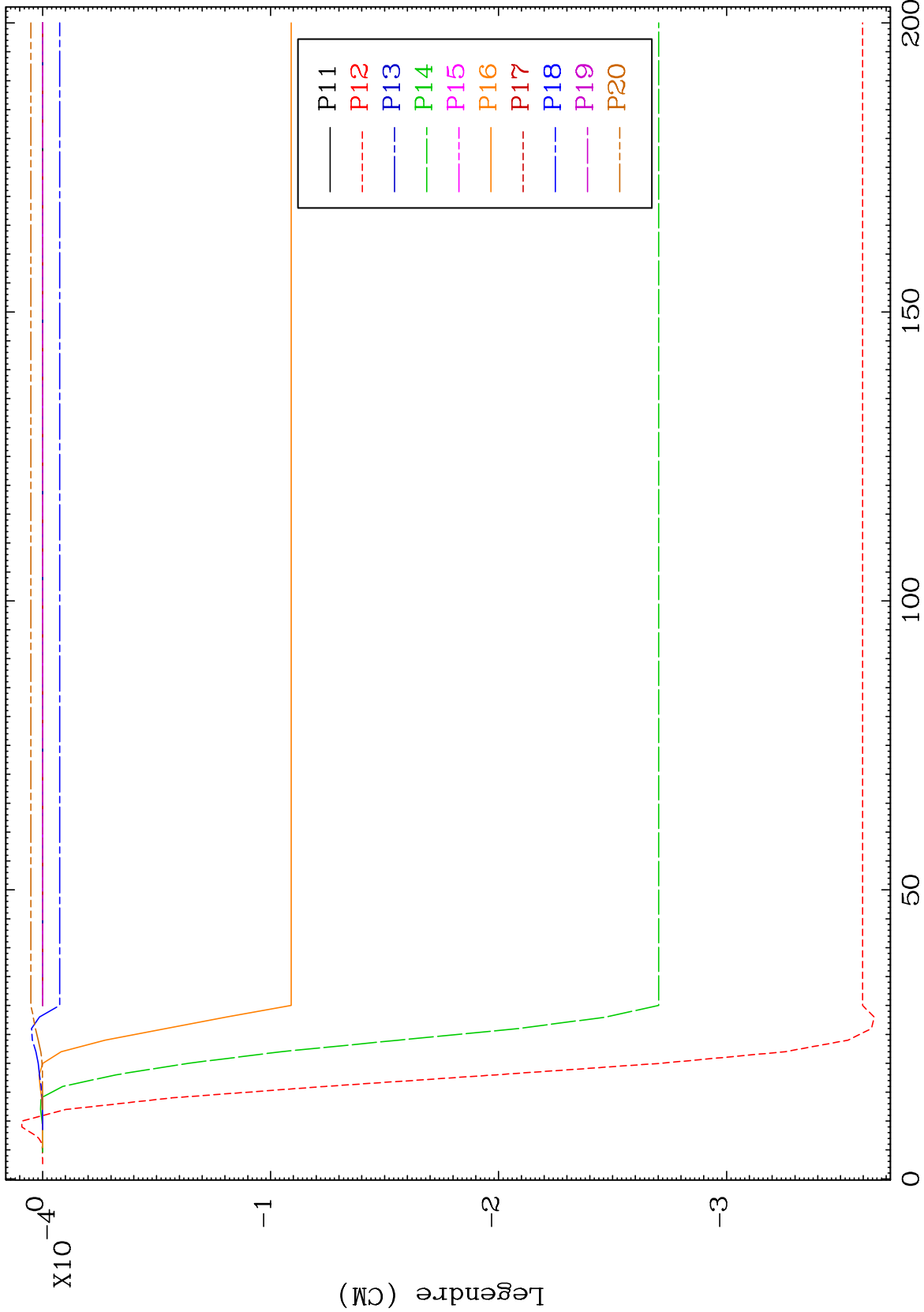
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



42

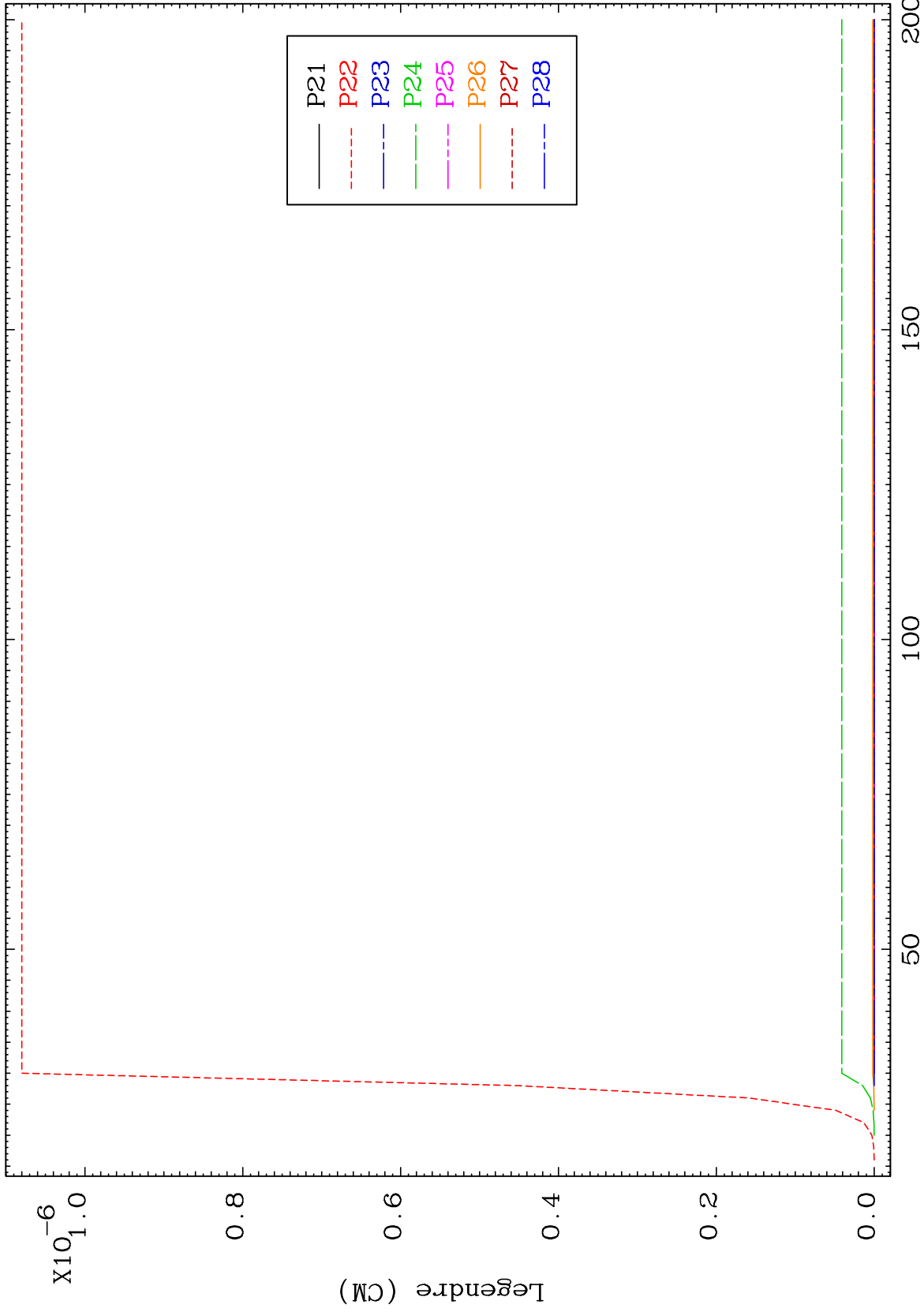
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



43

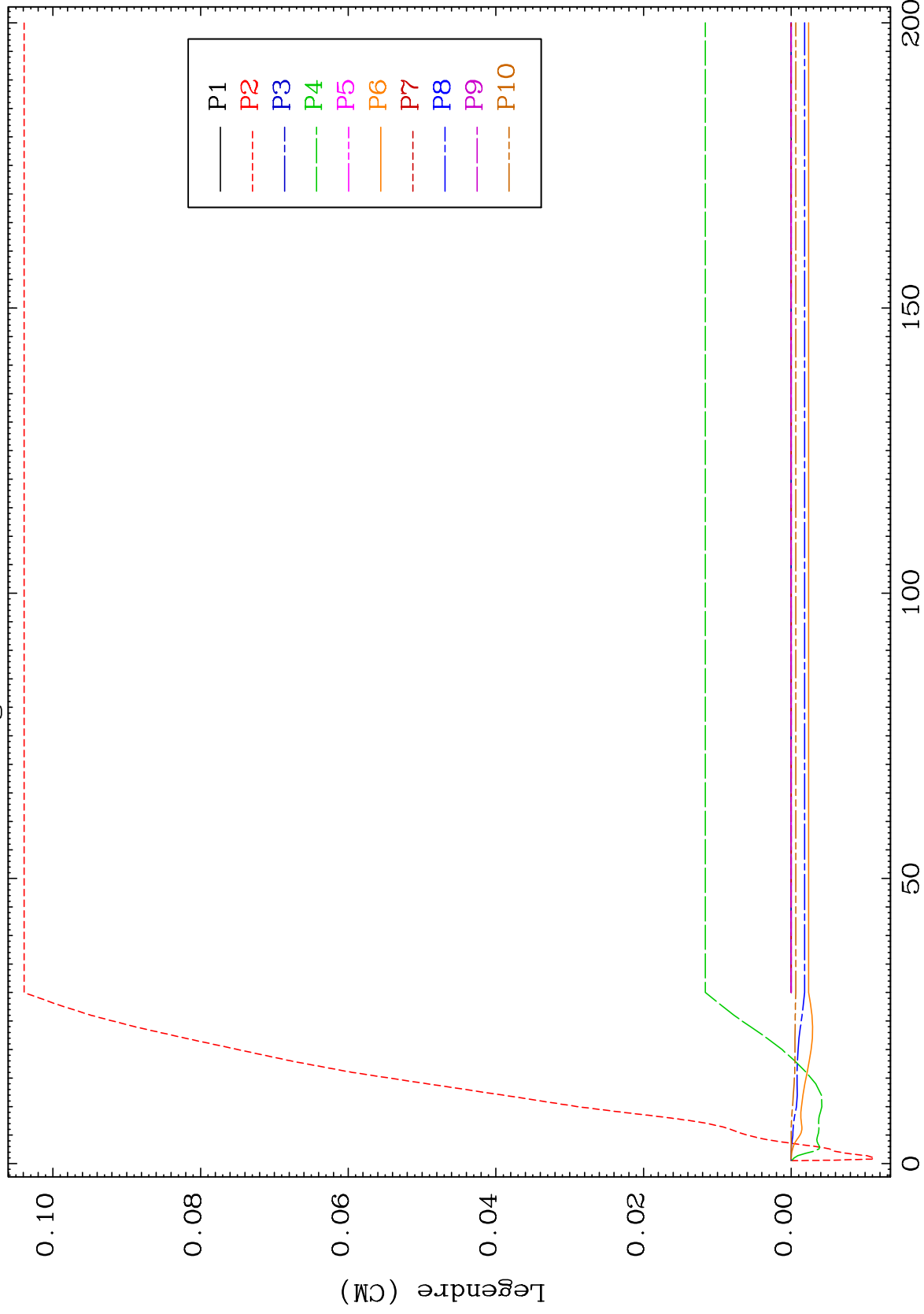
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



81-T1-202

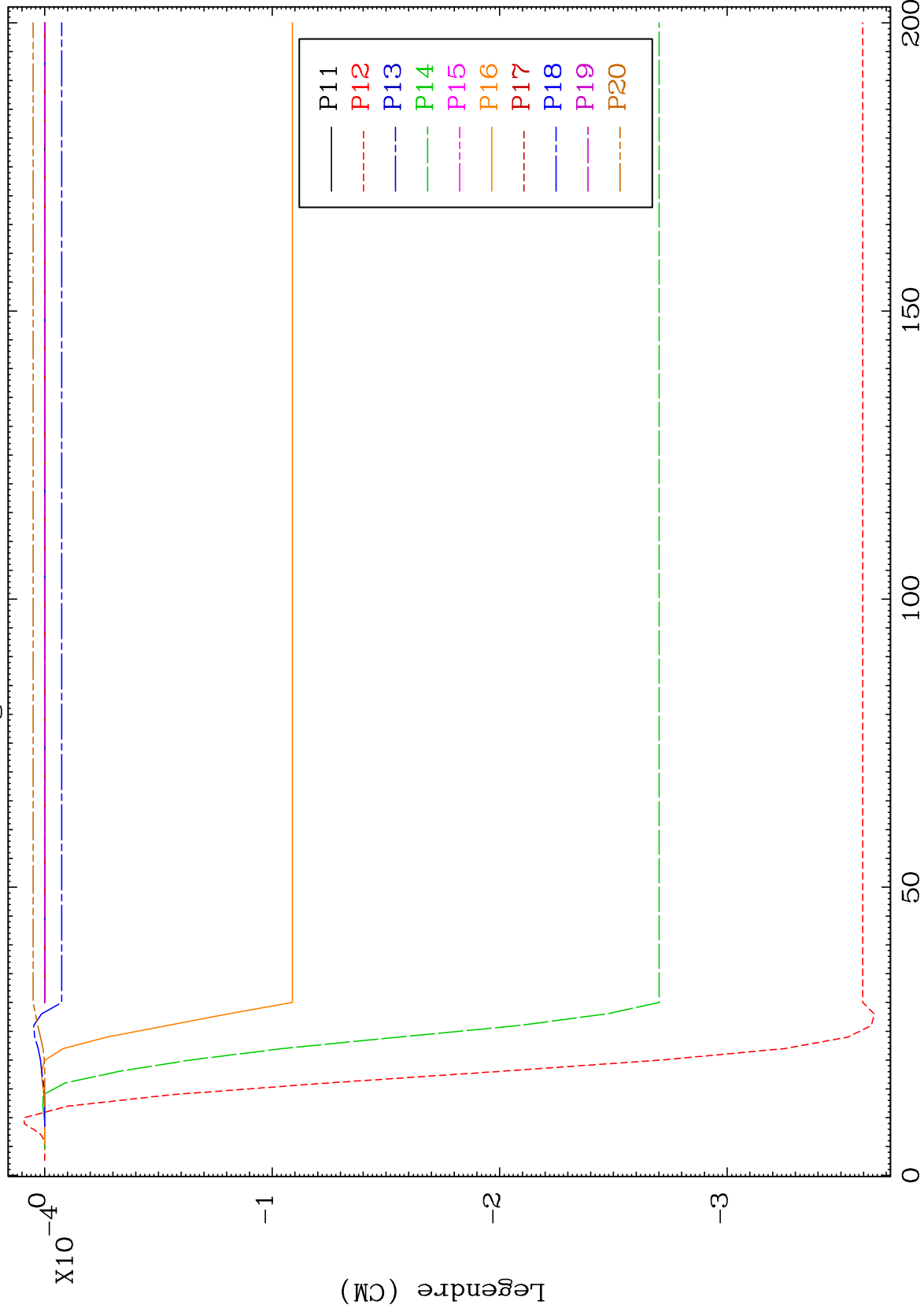
Incident Energy (MeV)

44

MAT 8122

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

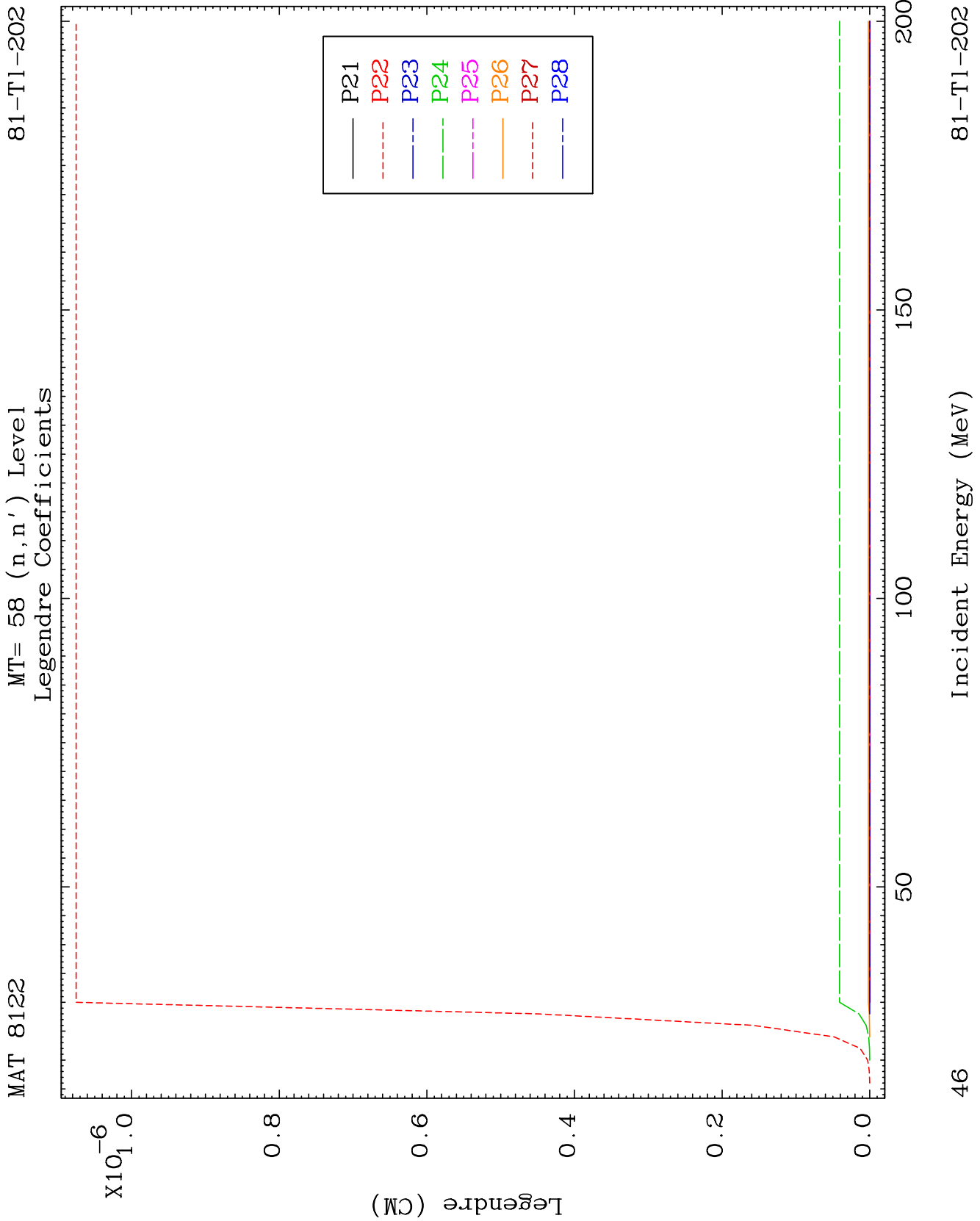
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45

Incident Energy (MeV)

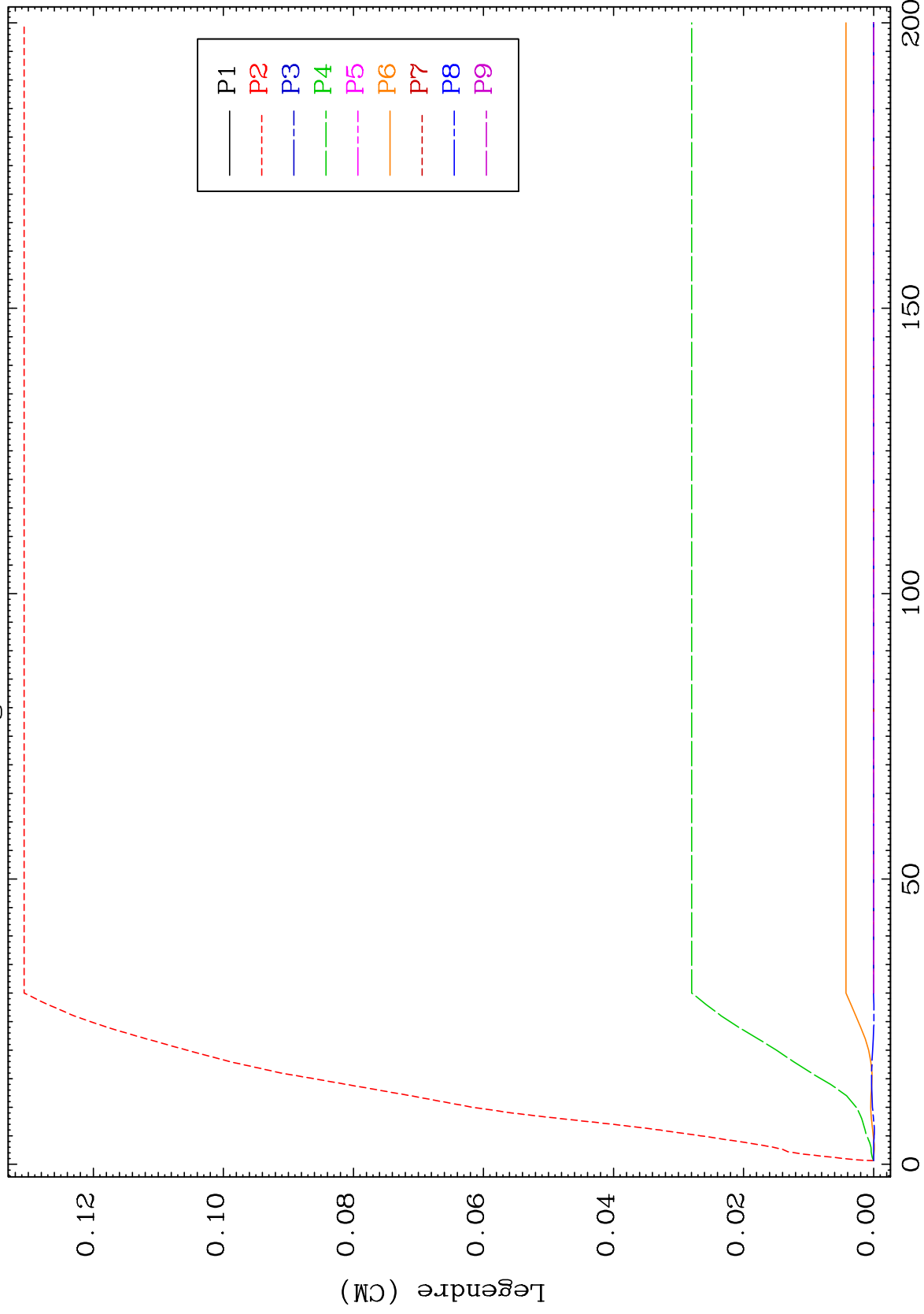
81-T1-202



MAT 8122

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

81-T1-202



47

Incident Energy (MeV)

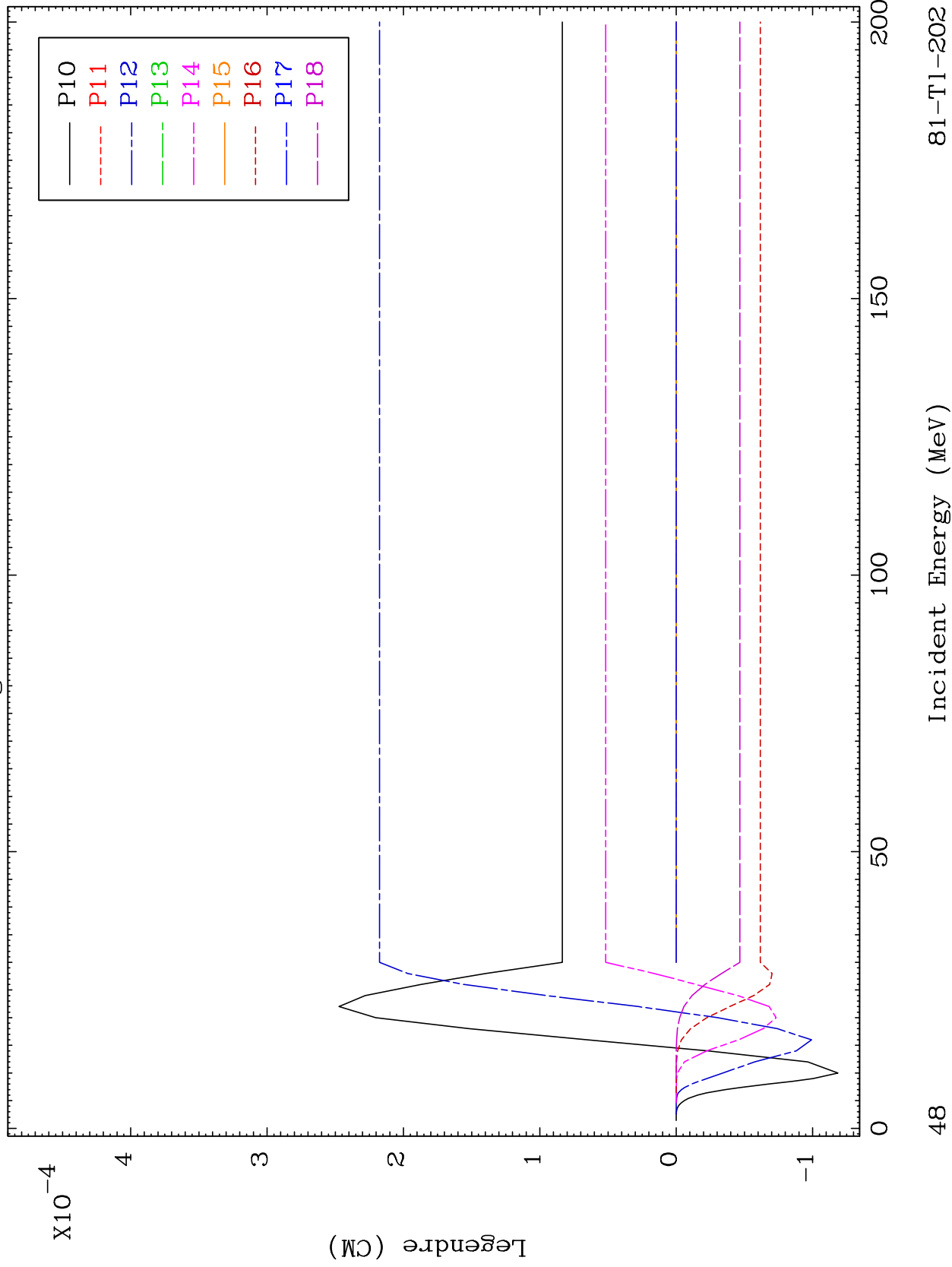
81-T1-202



MAT 8122

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

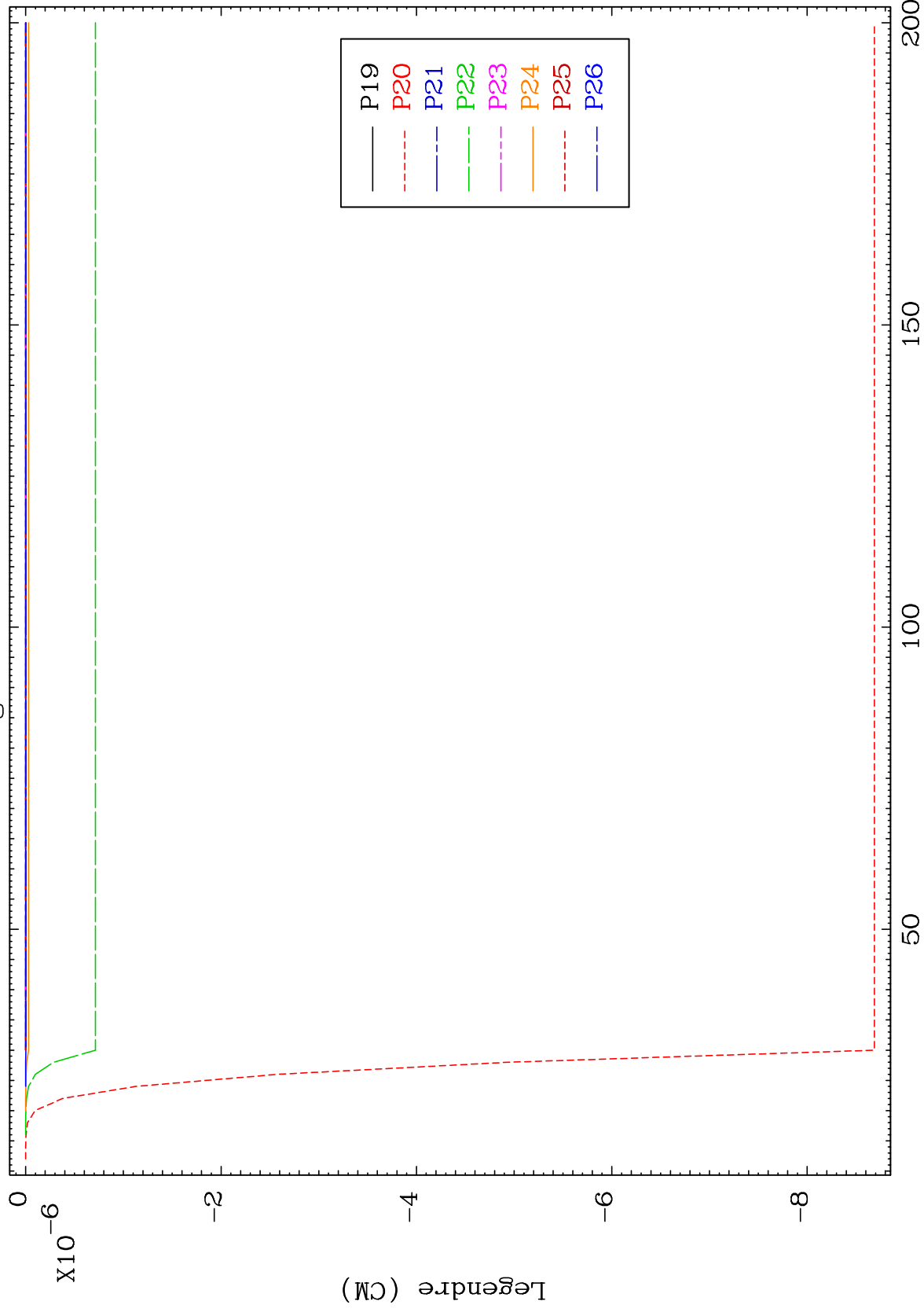
81-T1-202



MAT 8122

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

81-T1-202



49

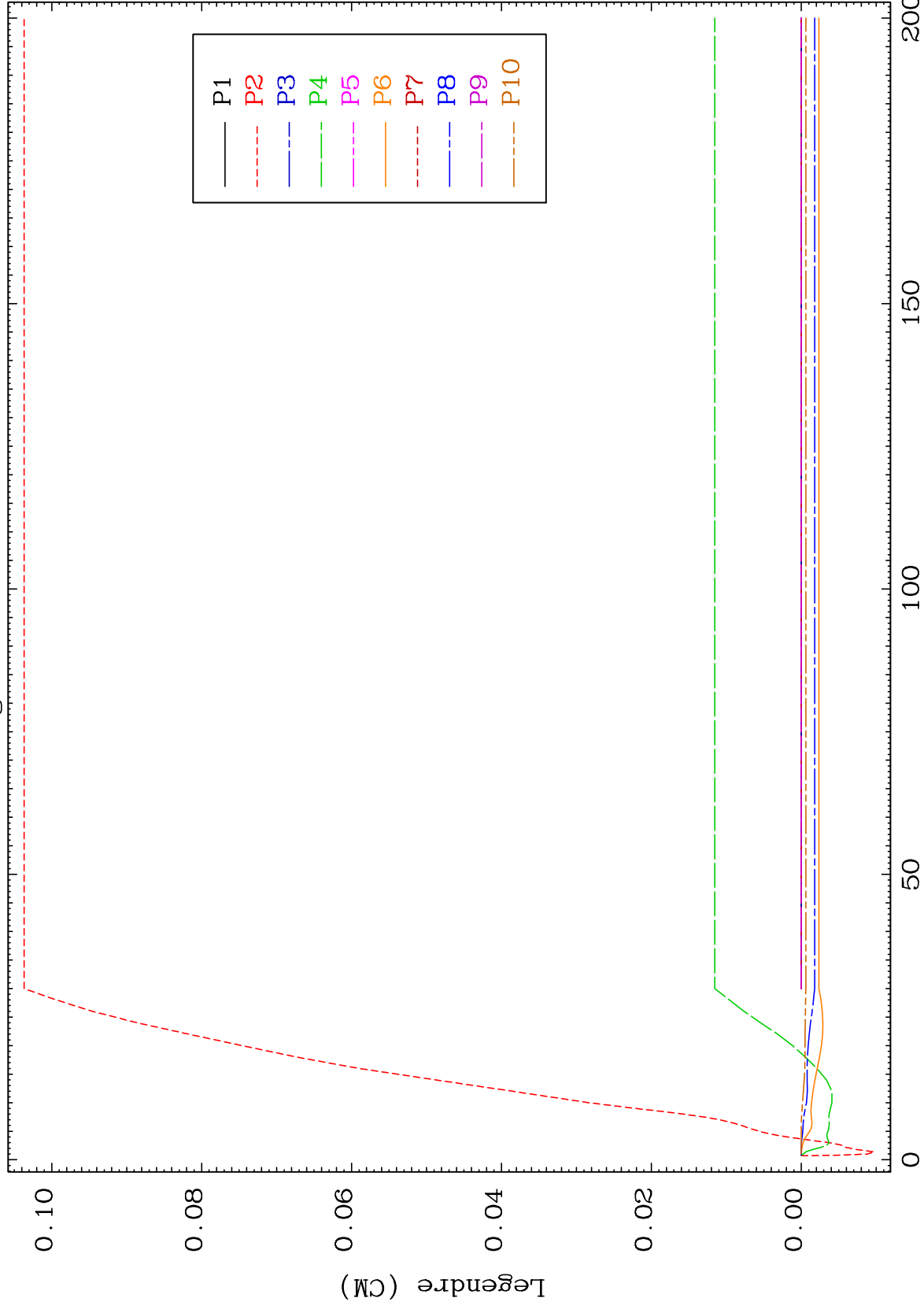
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



81-T1-202

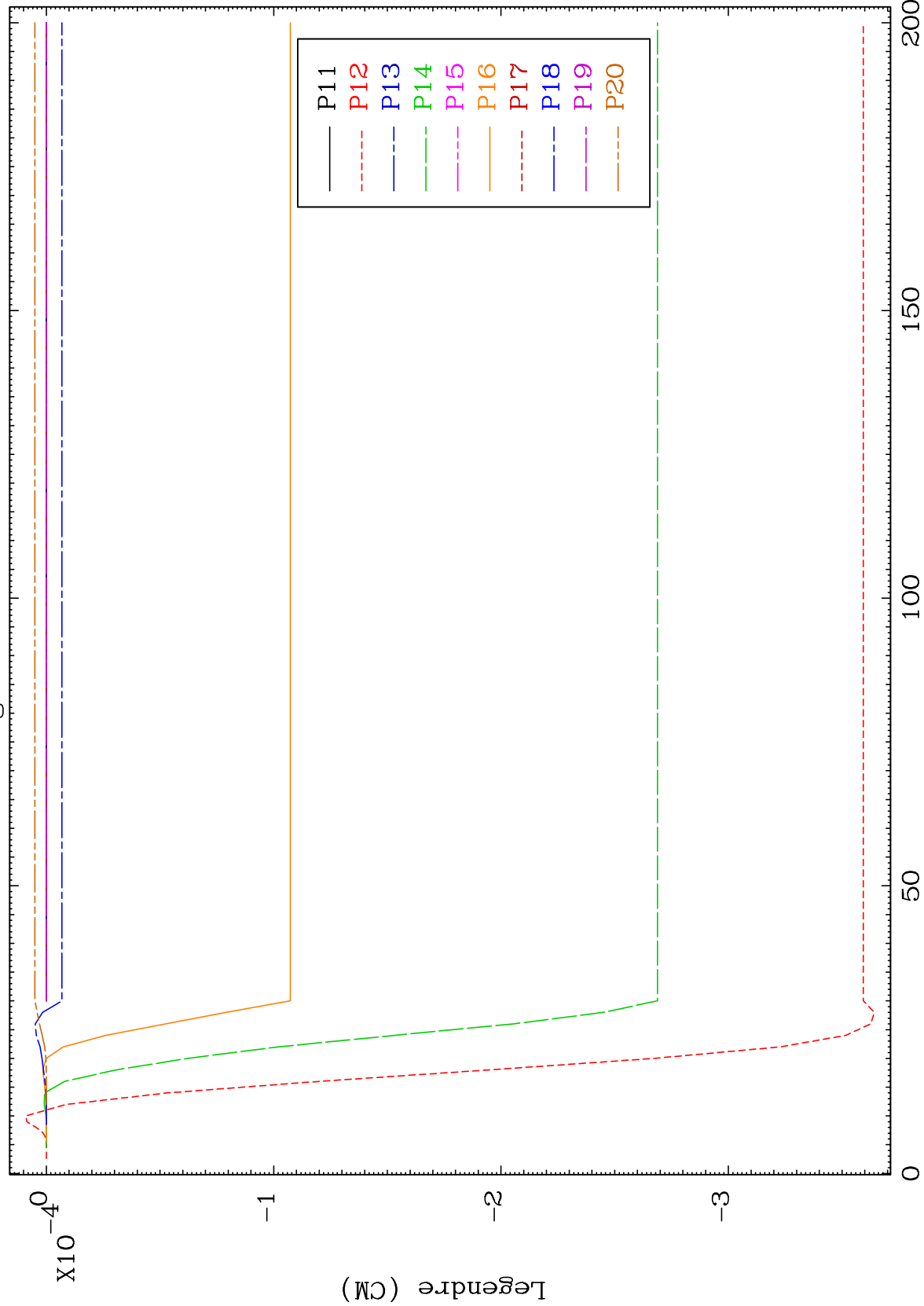
Incident Energy (MeV)

50

MAT 8122

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

81-T1-202



51

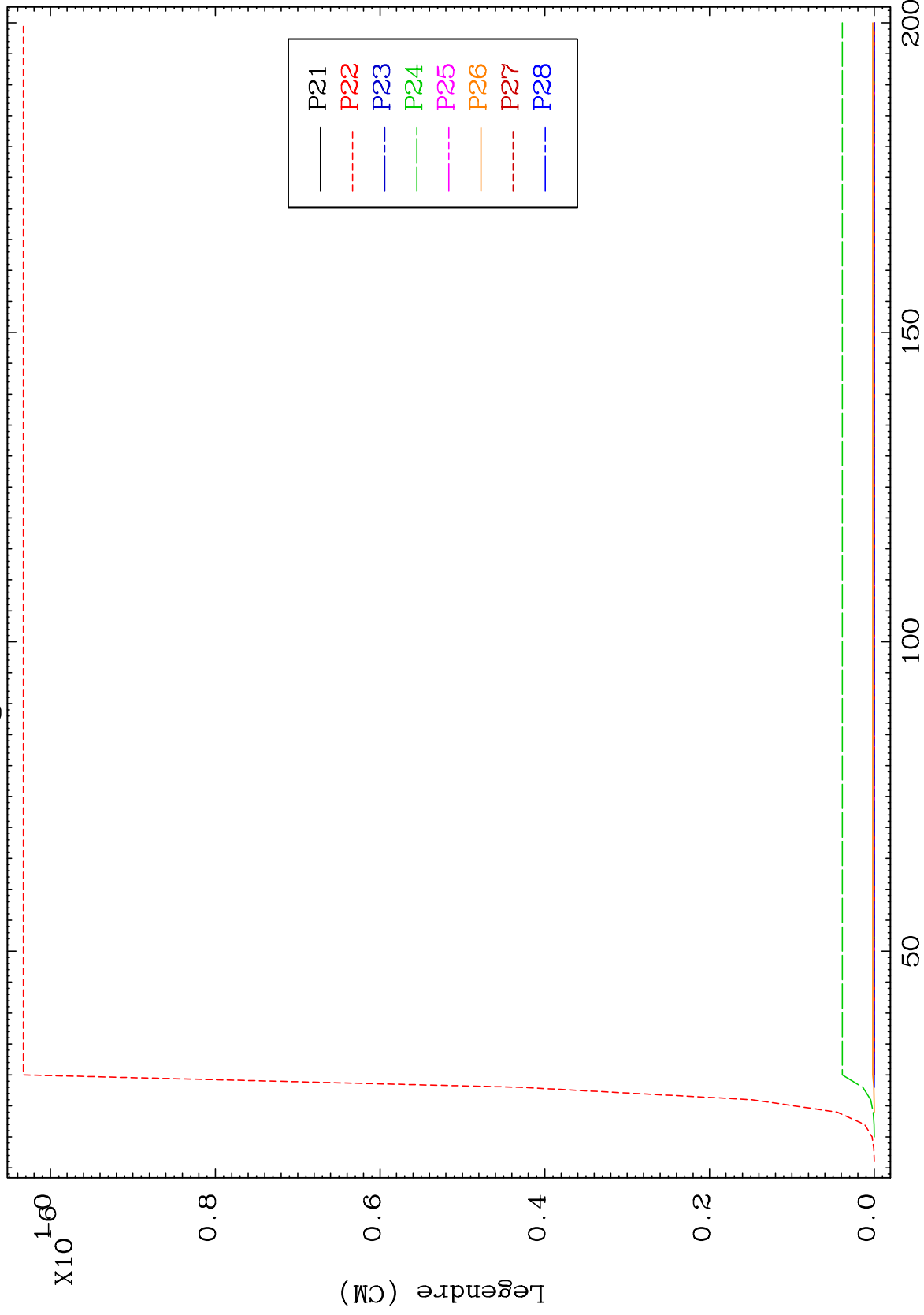
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



52

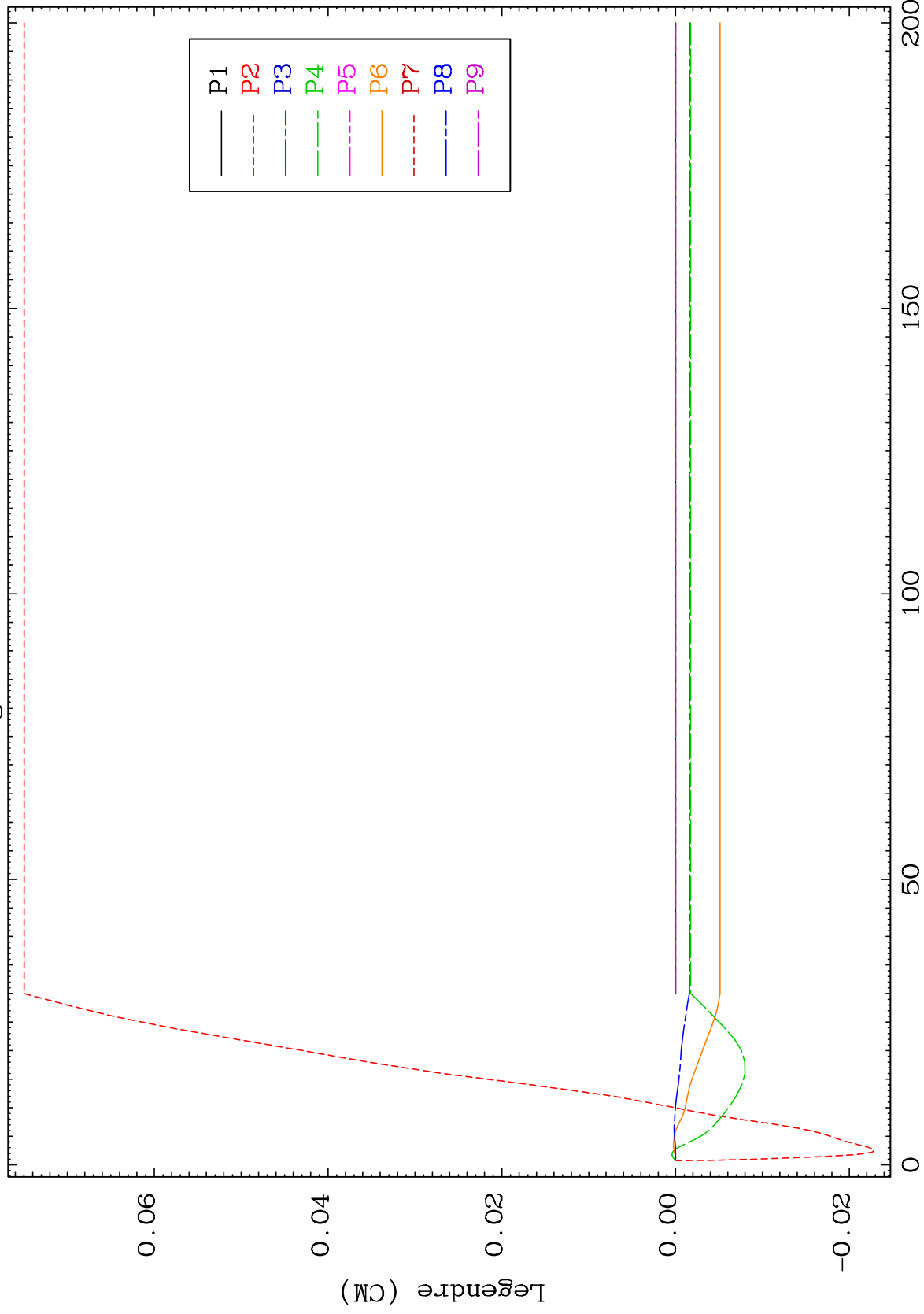
Incident Energy (MeV)

81-T1-202

MAT 8122

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

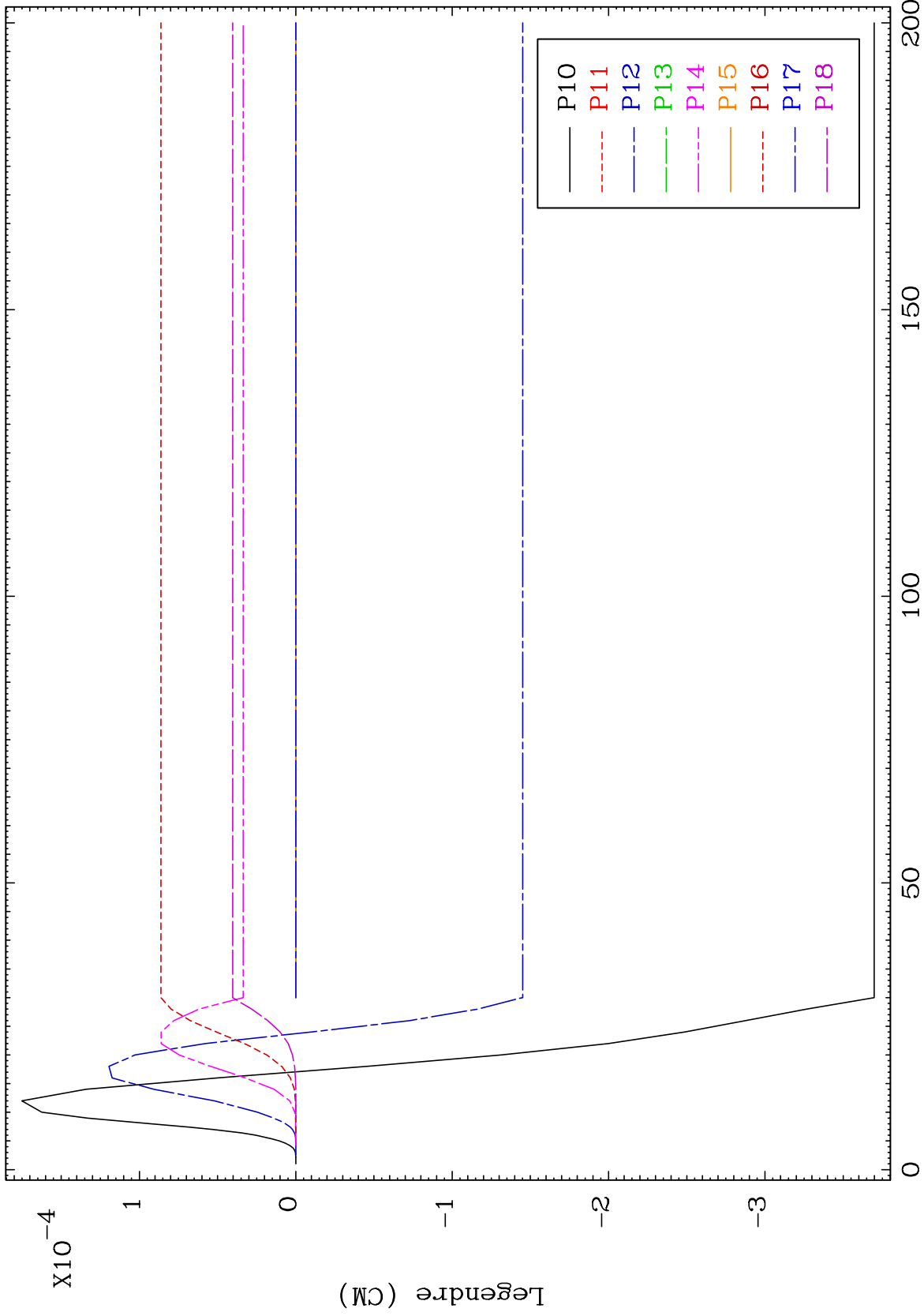
81-T1-202



81-T1-202

Incident Energy (MeV)

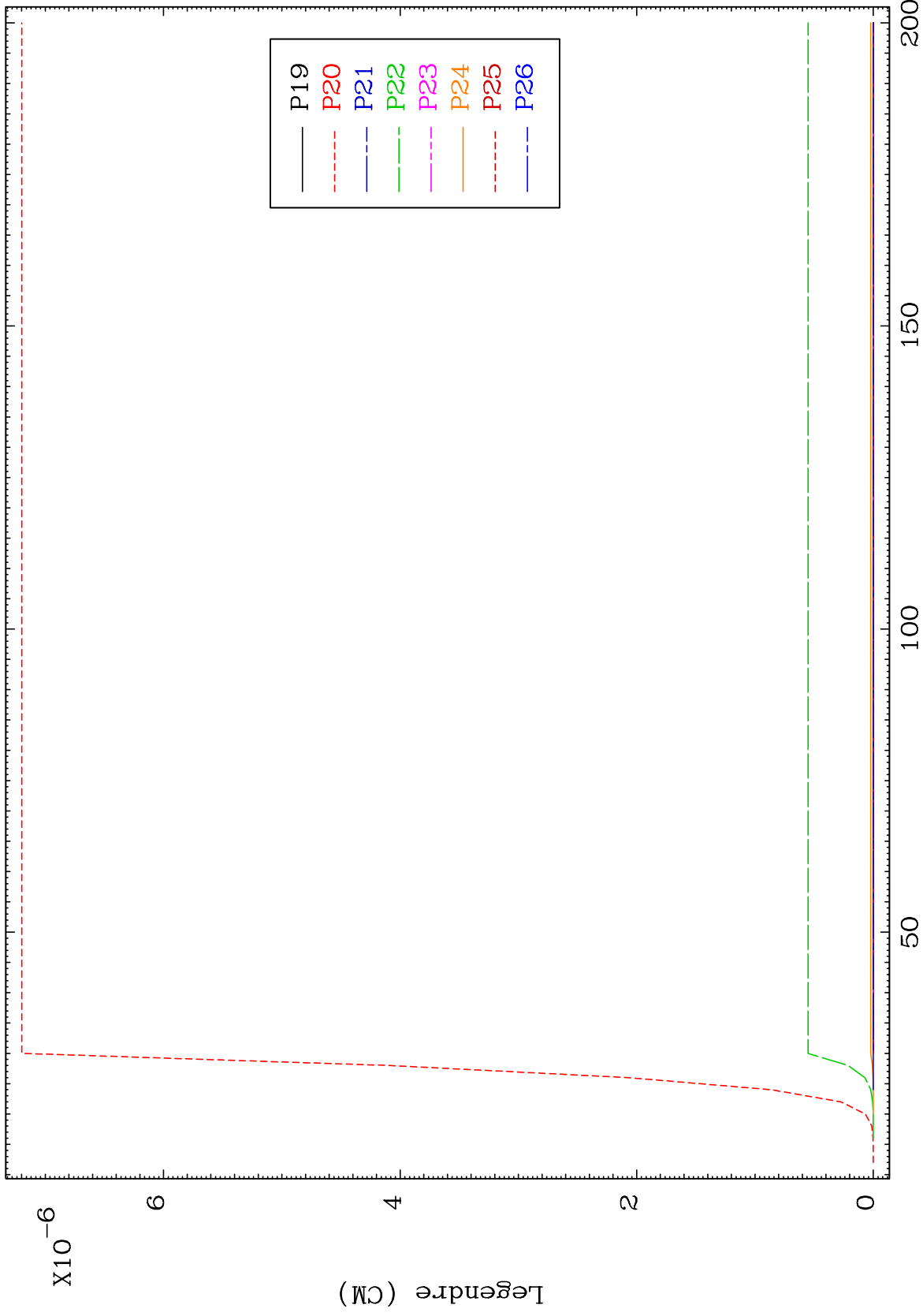
53



MAT 8122

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

81-T1-202



55

Incident Energy (MeV)

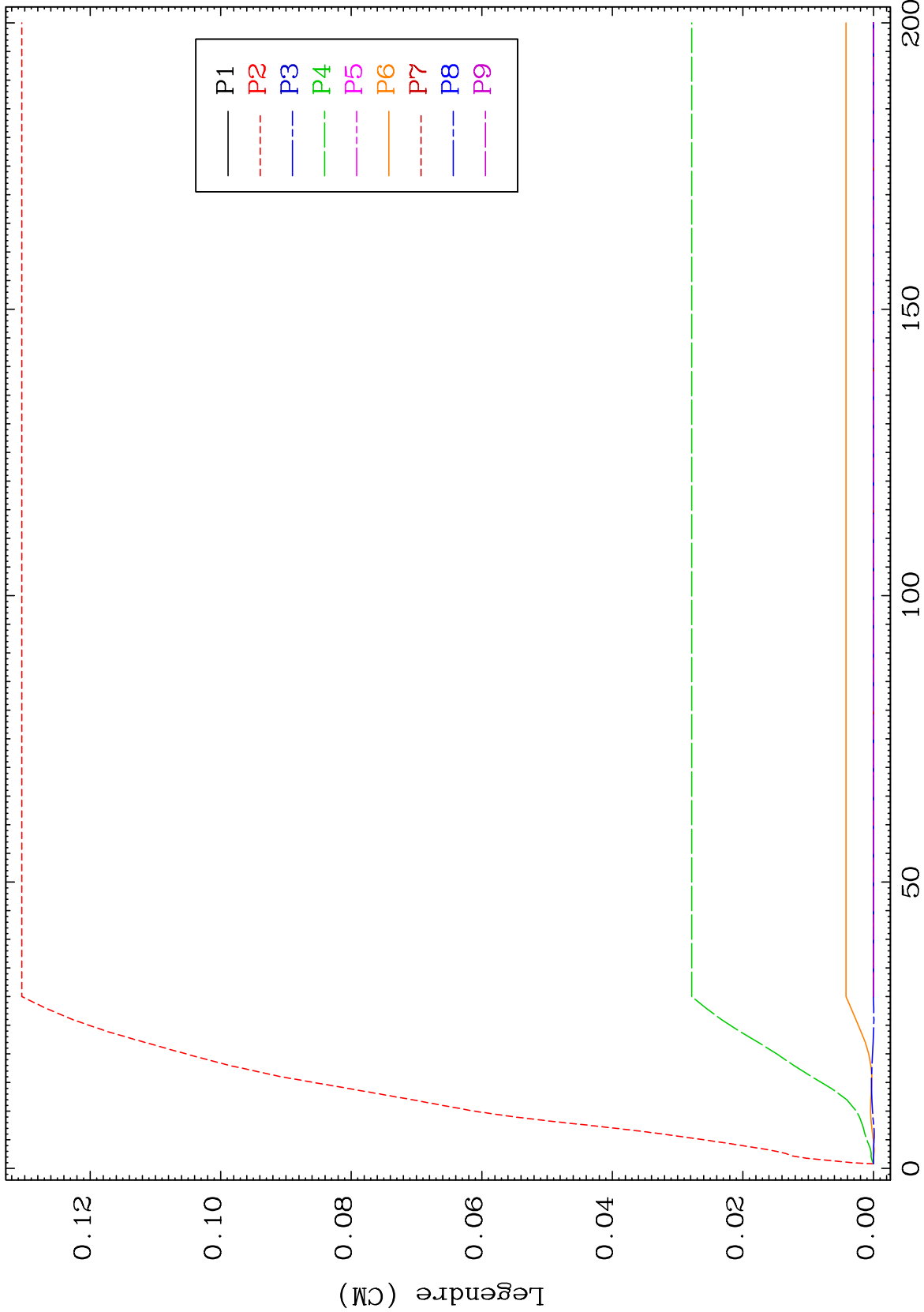
81-T1-202



MAT 8122

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

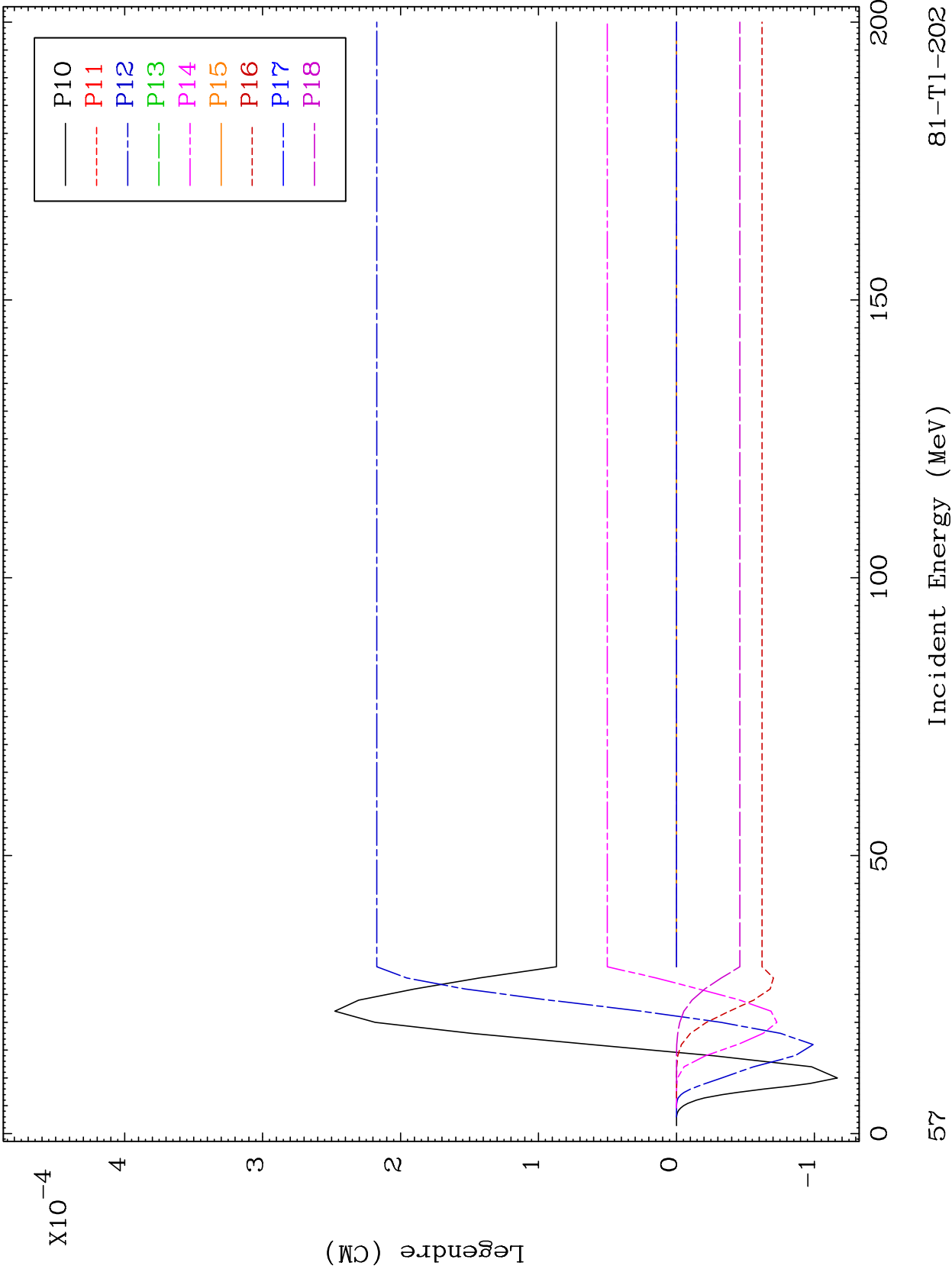
81-T1-202



56

Incident Energy (MeV)

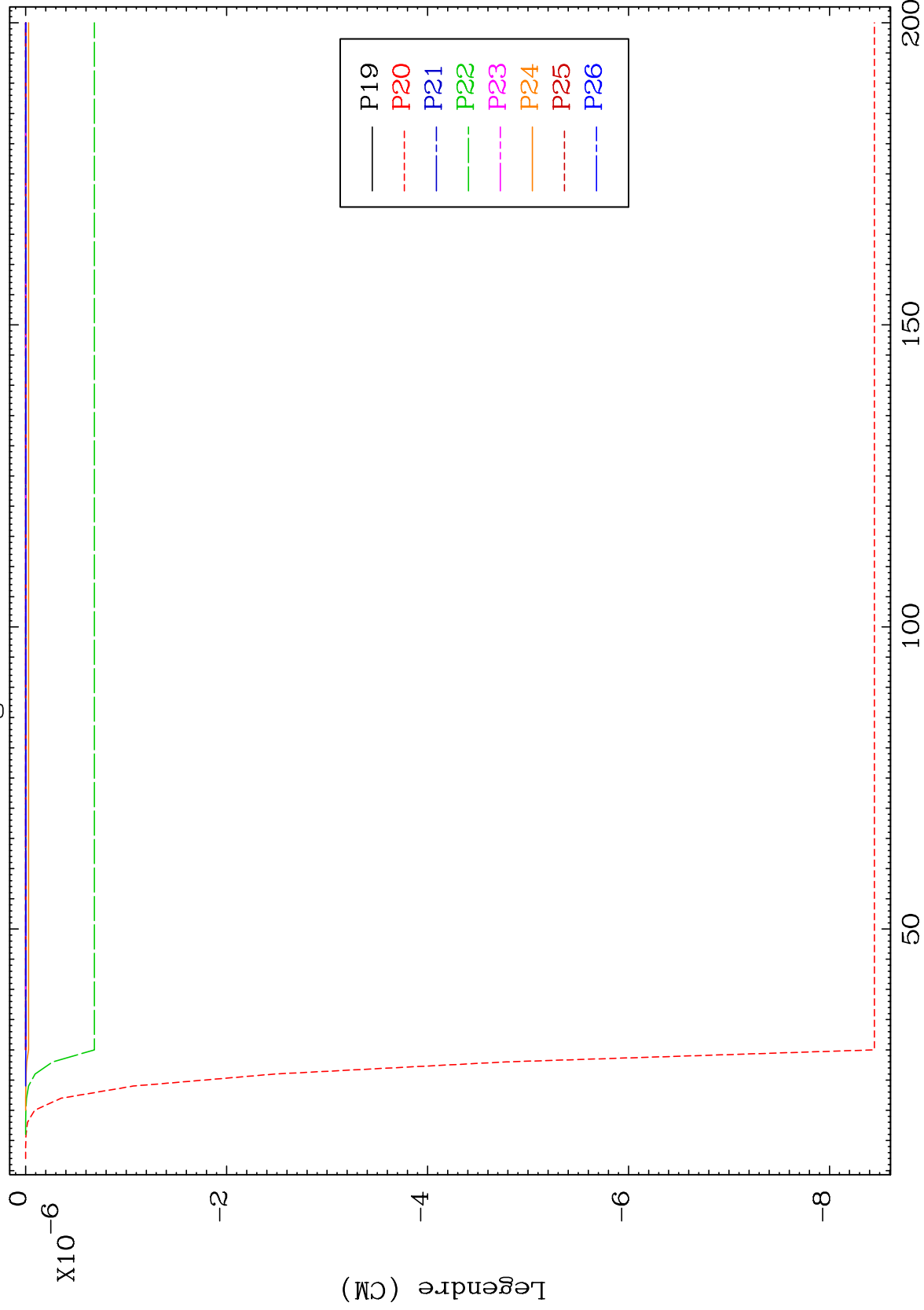
81-T1-202



MAT 8122

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

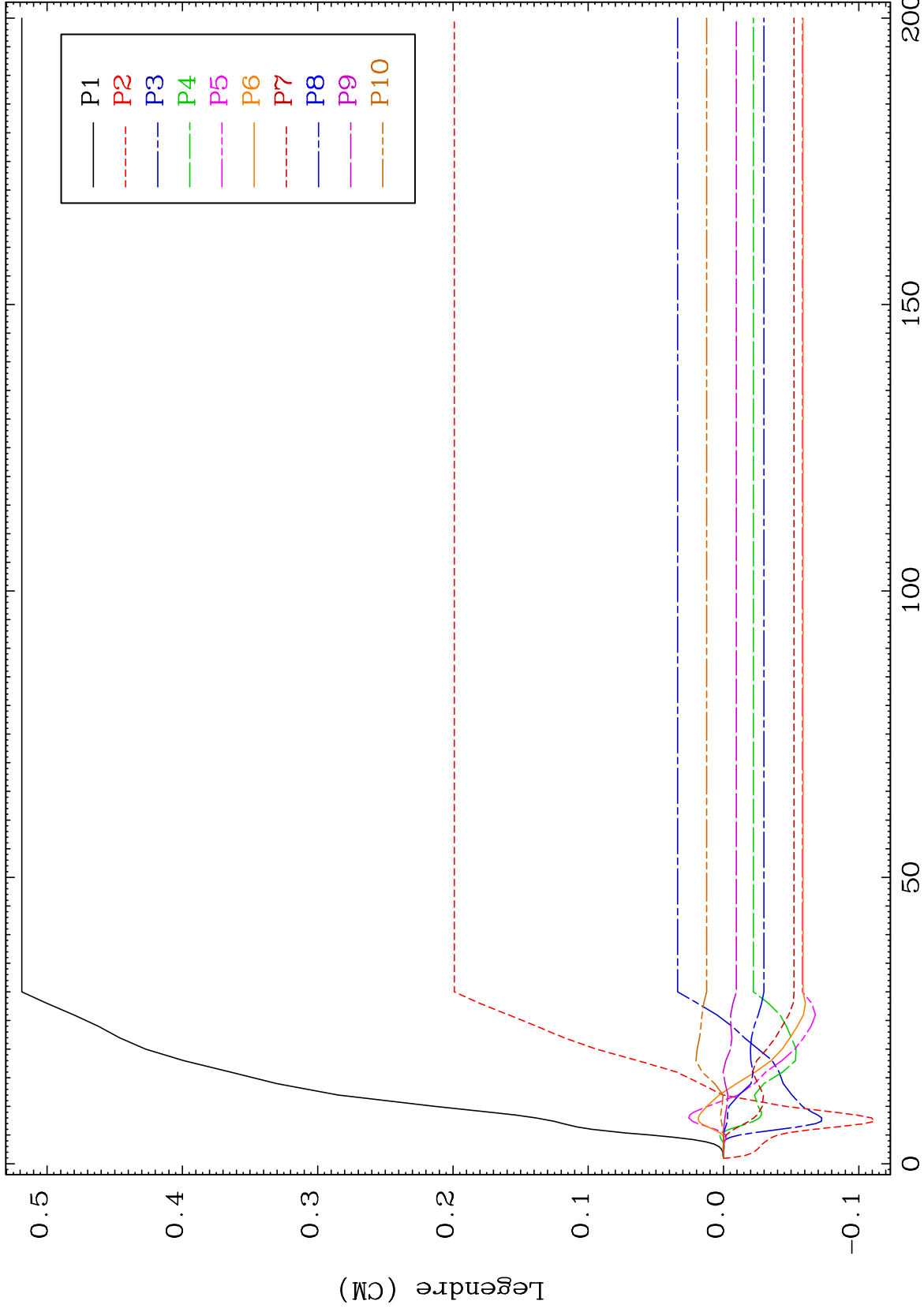
81-T1-202



58

Incident Energy (MeV)

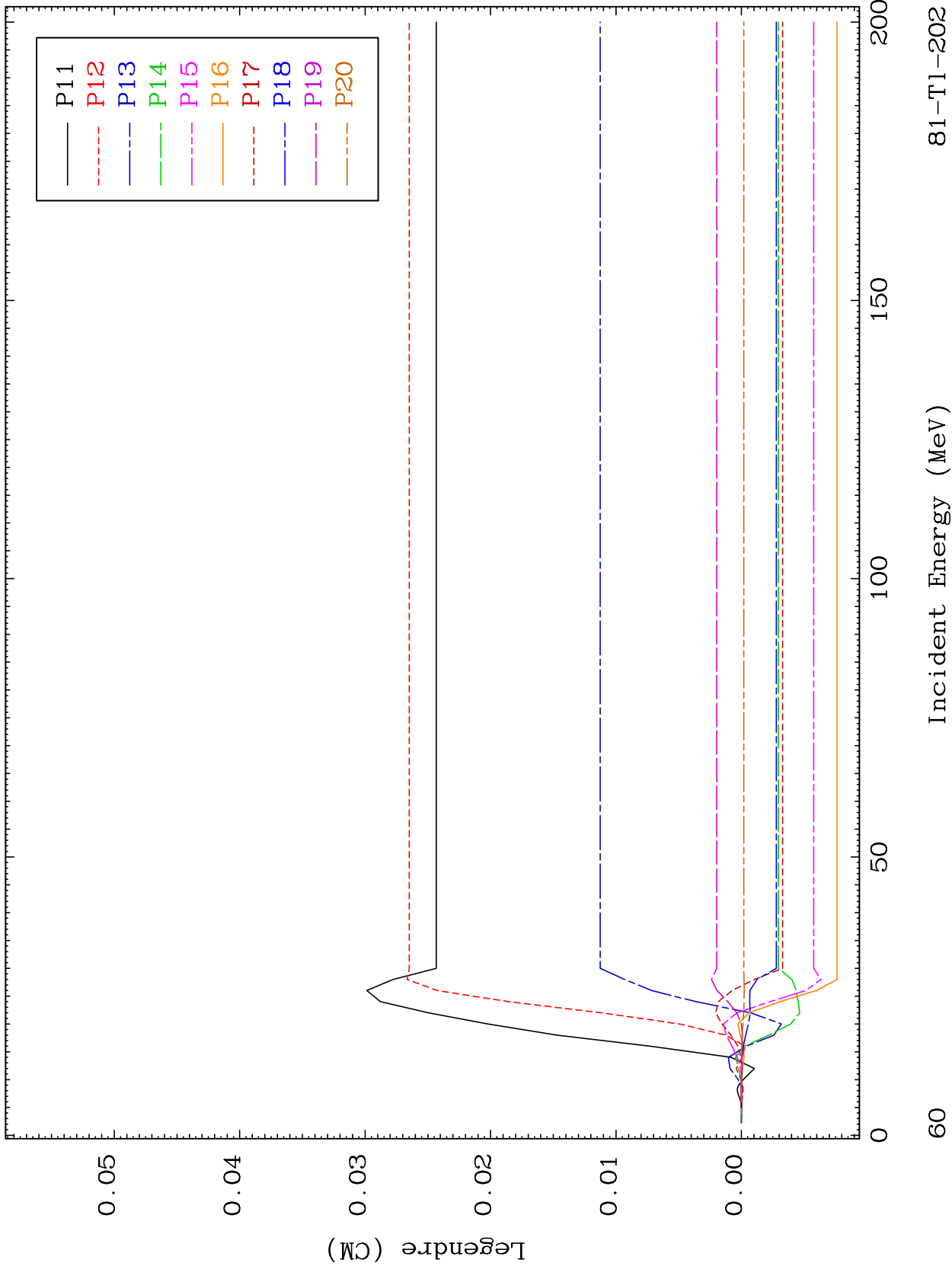
81-T1-202



MAT 8122

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

81-T1-202



81-T1-202

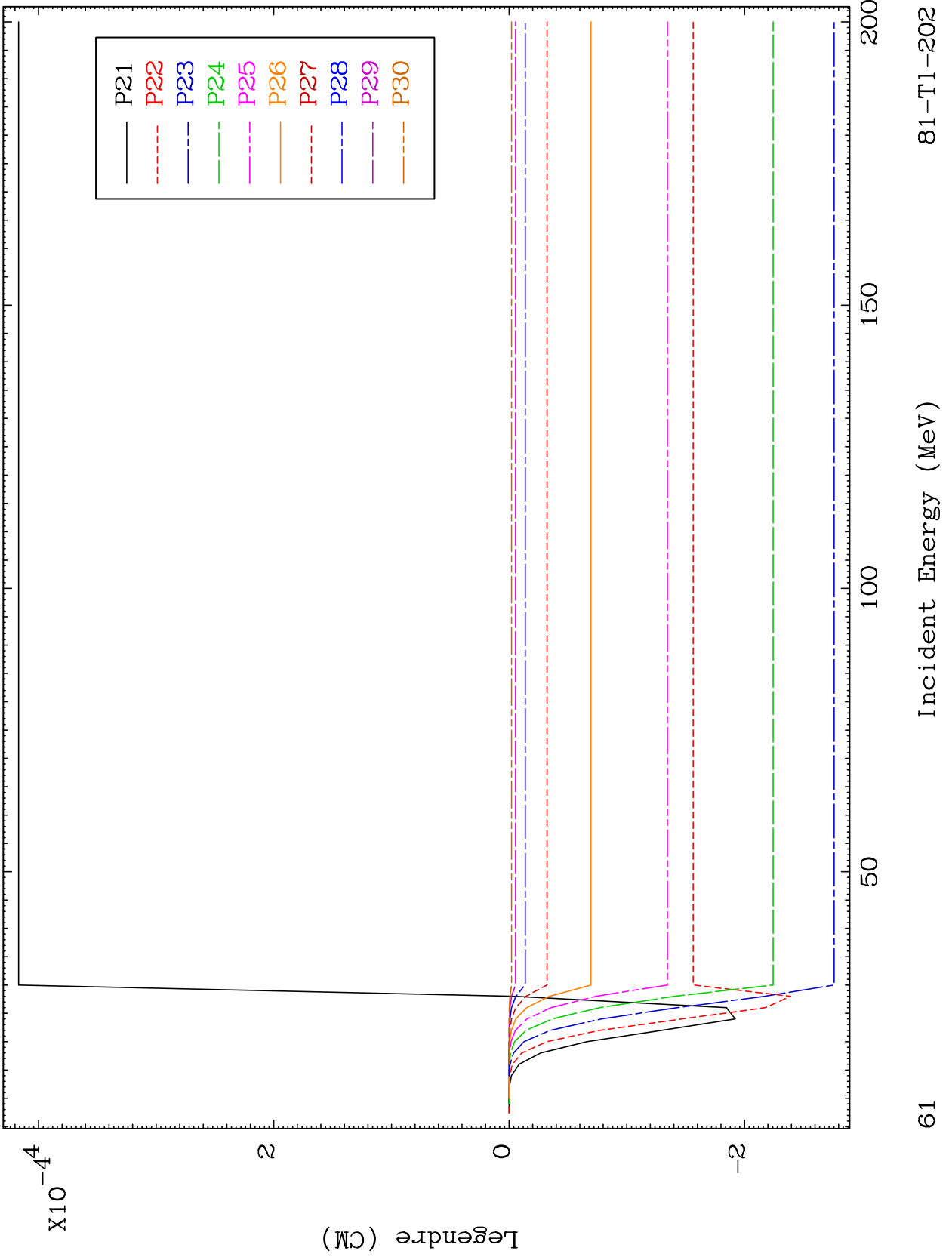
Incident Energy (MeV)

60

MAT 8122

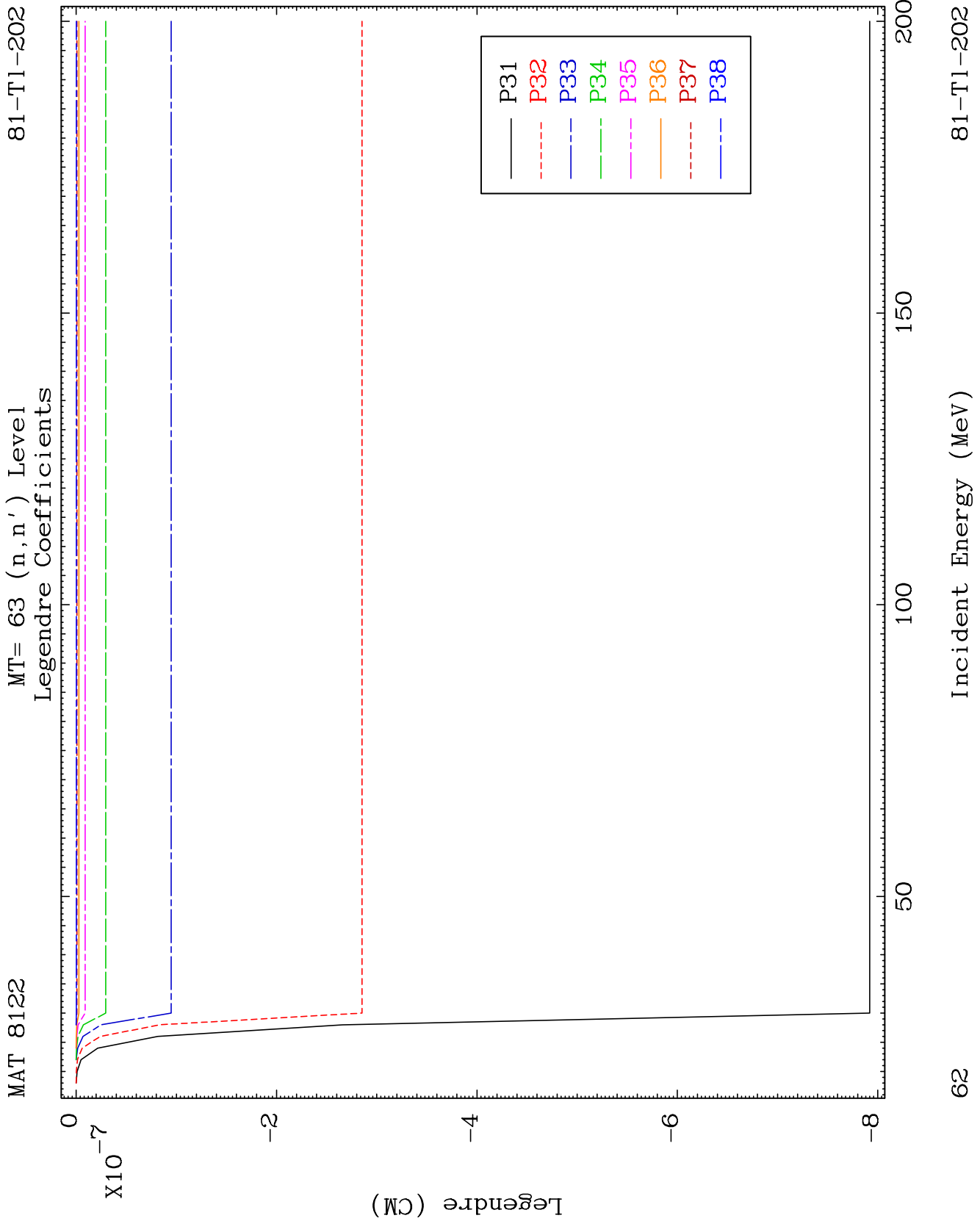
MT= 63 (n,n') Level  
Legendre Coefficients

81-T1-202



61

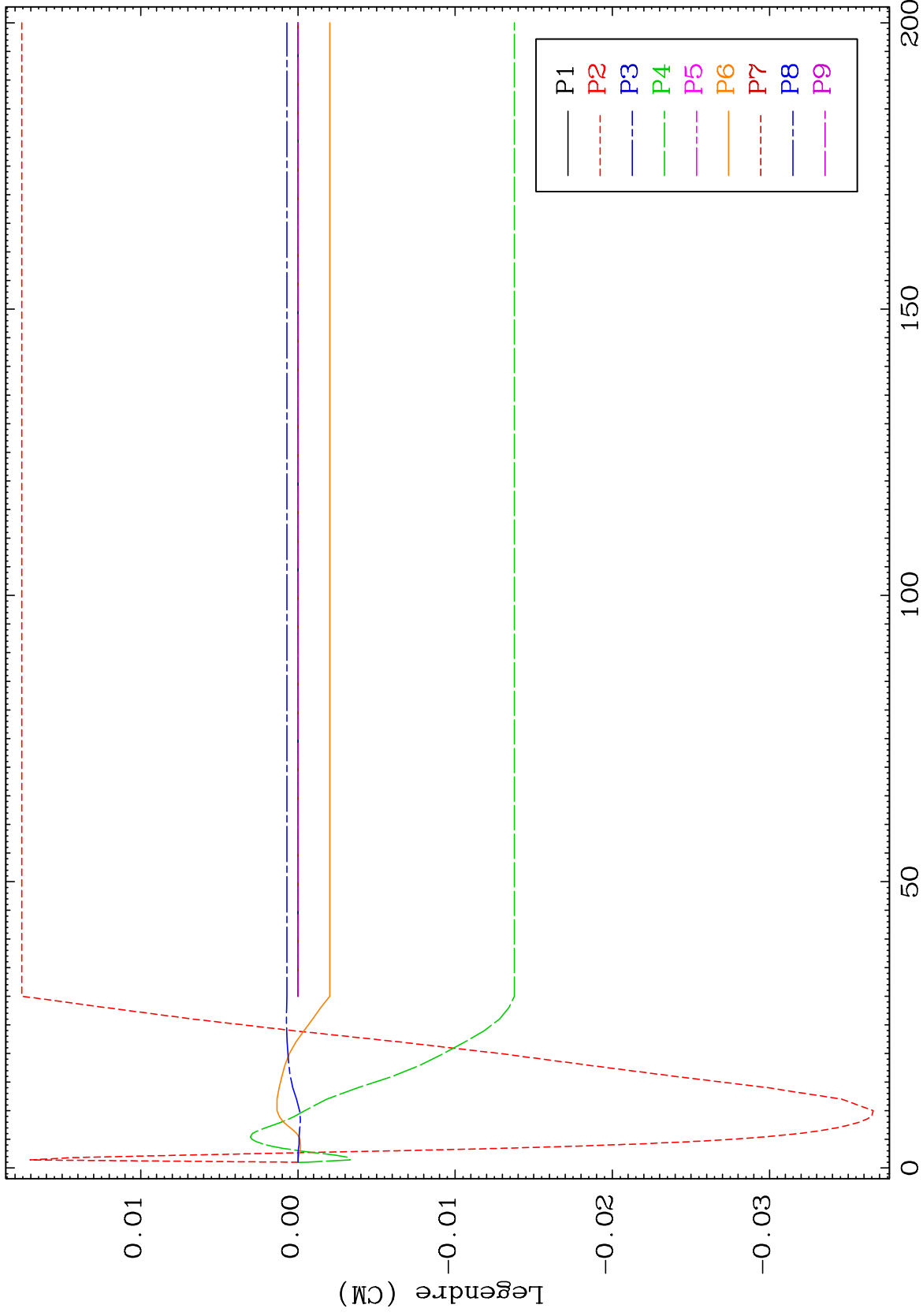
81-T1-202



MAT 8122

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

81-T1-202



63

Incident Energy (MeV)

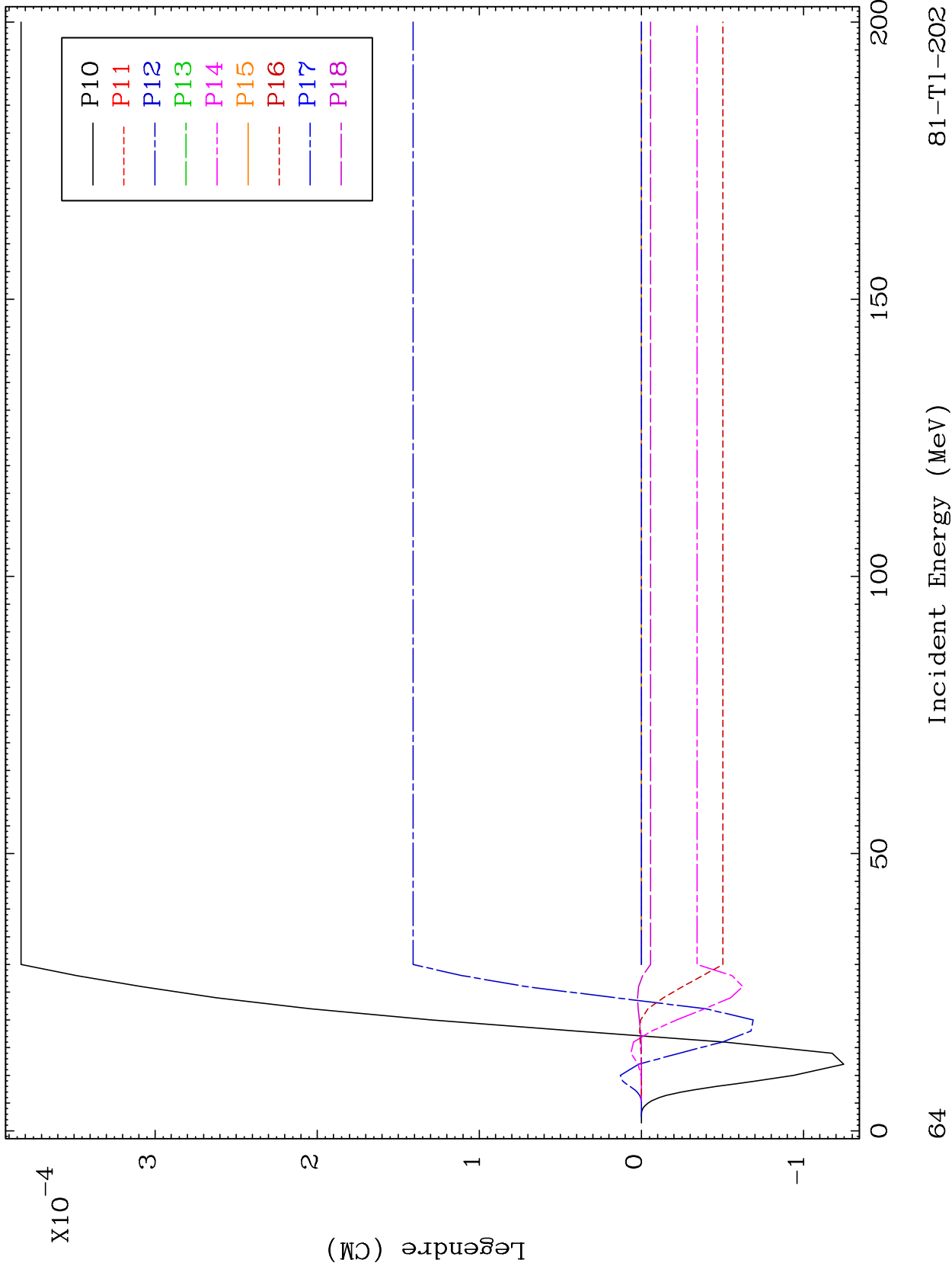
81-T1-202



MAT 8122

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

81-T1-202



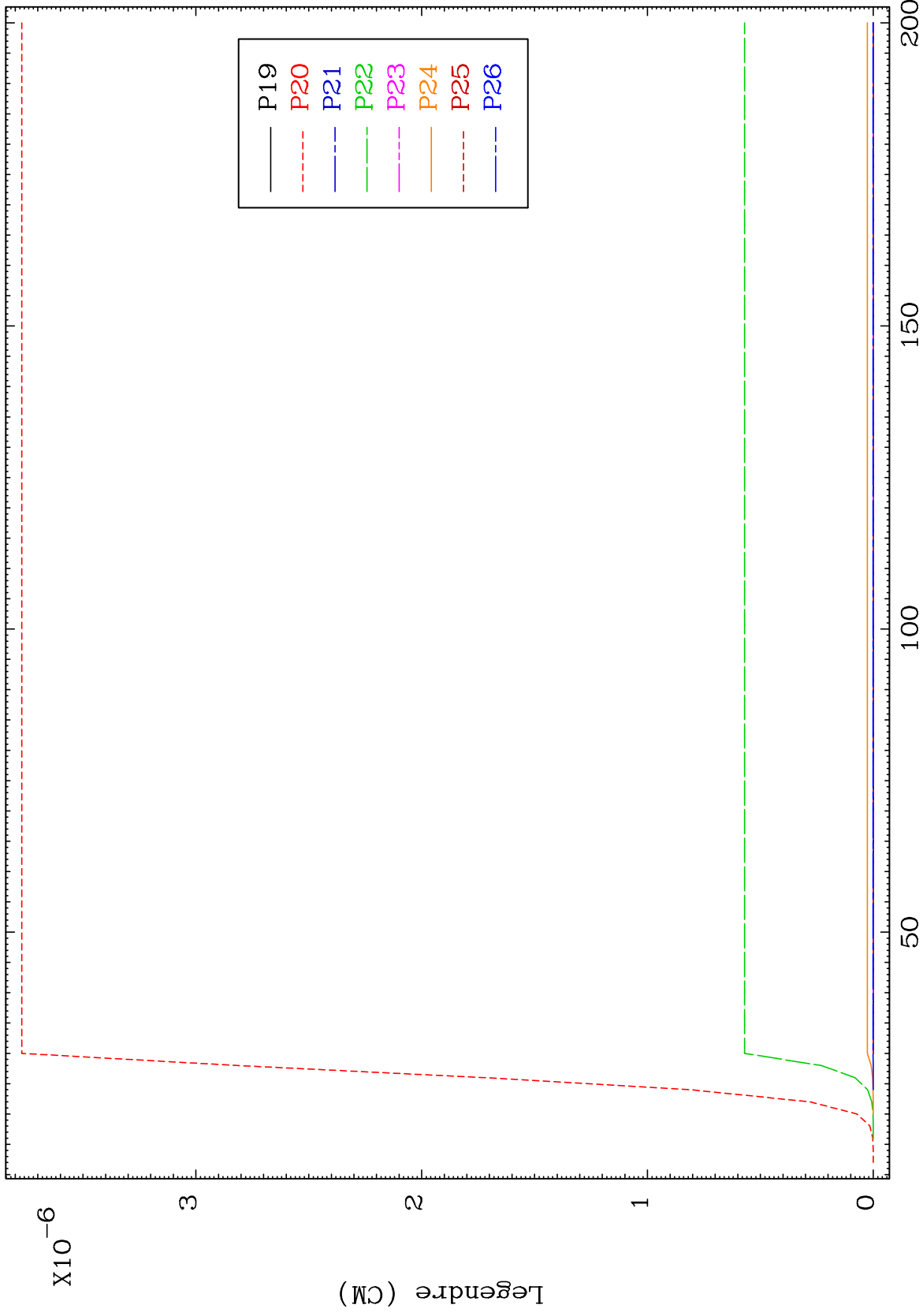
64

81-T1-202

MAT 8122

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

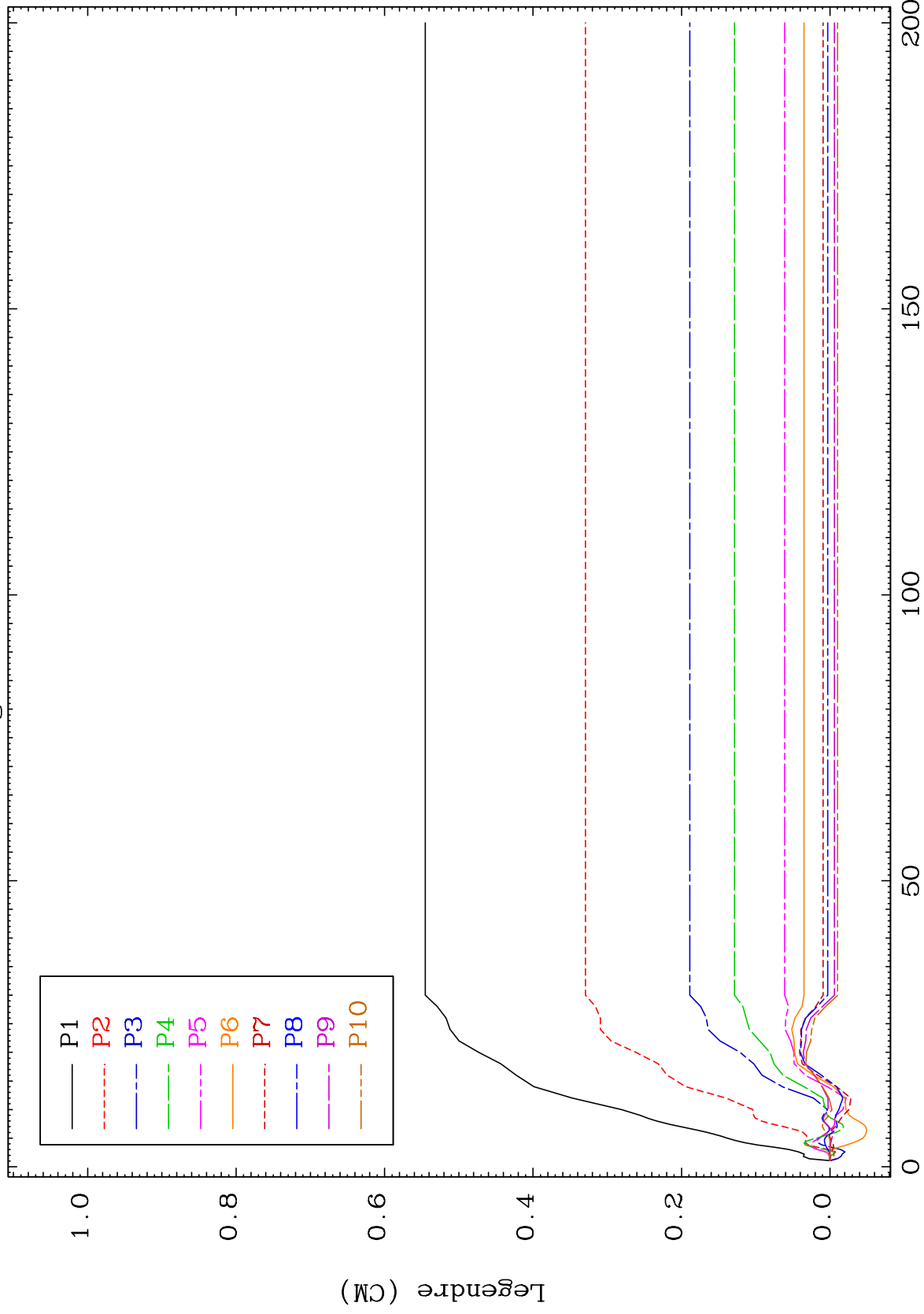
81-T1-202



65

Incident Energy (MeV)

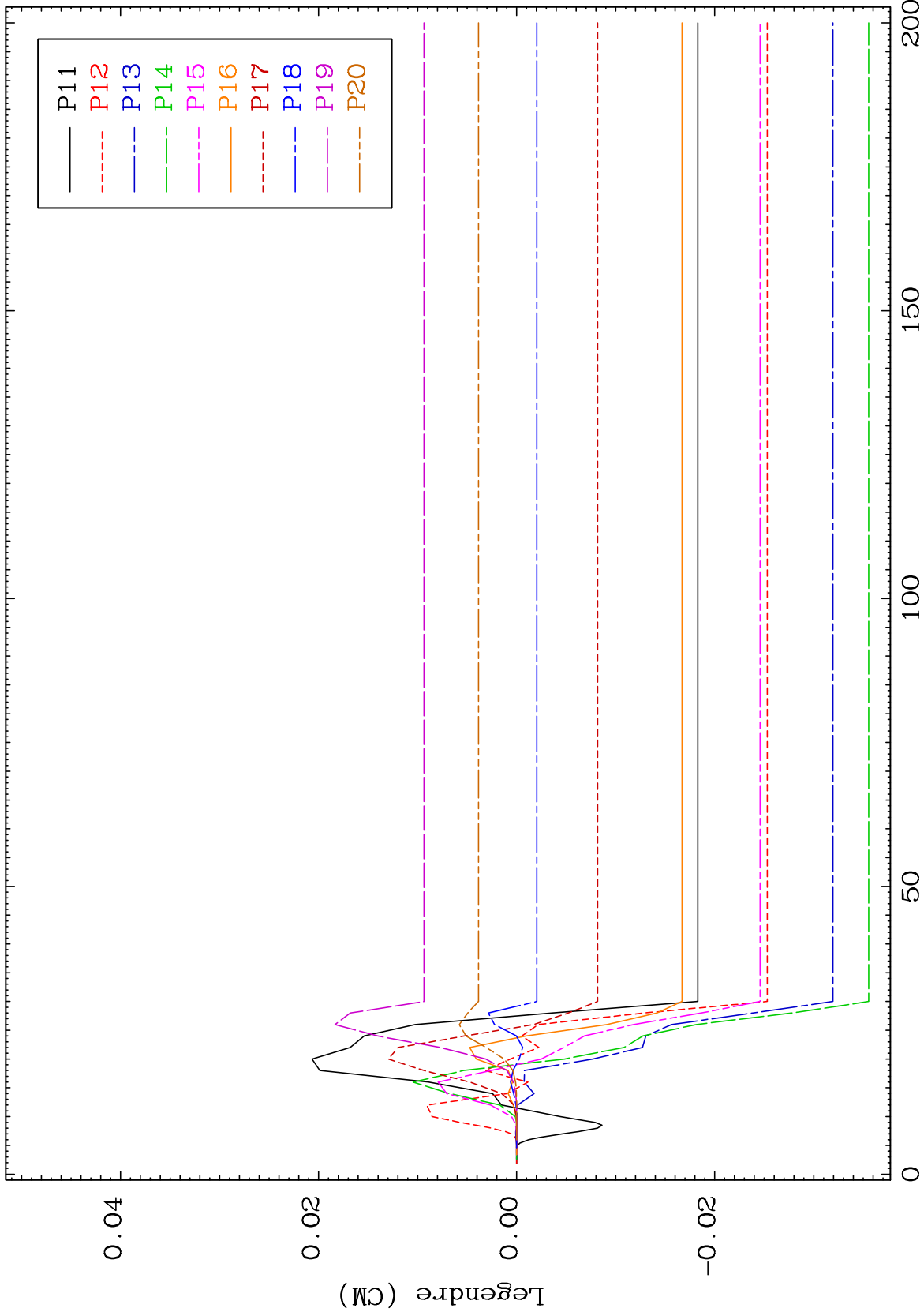
81-T1-202



MAT 8122

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

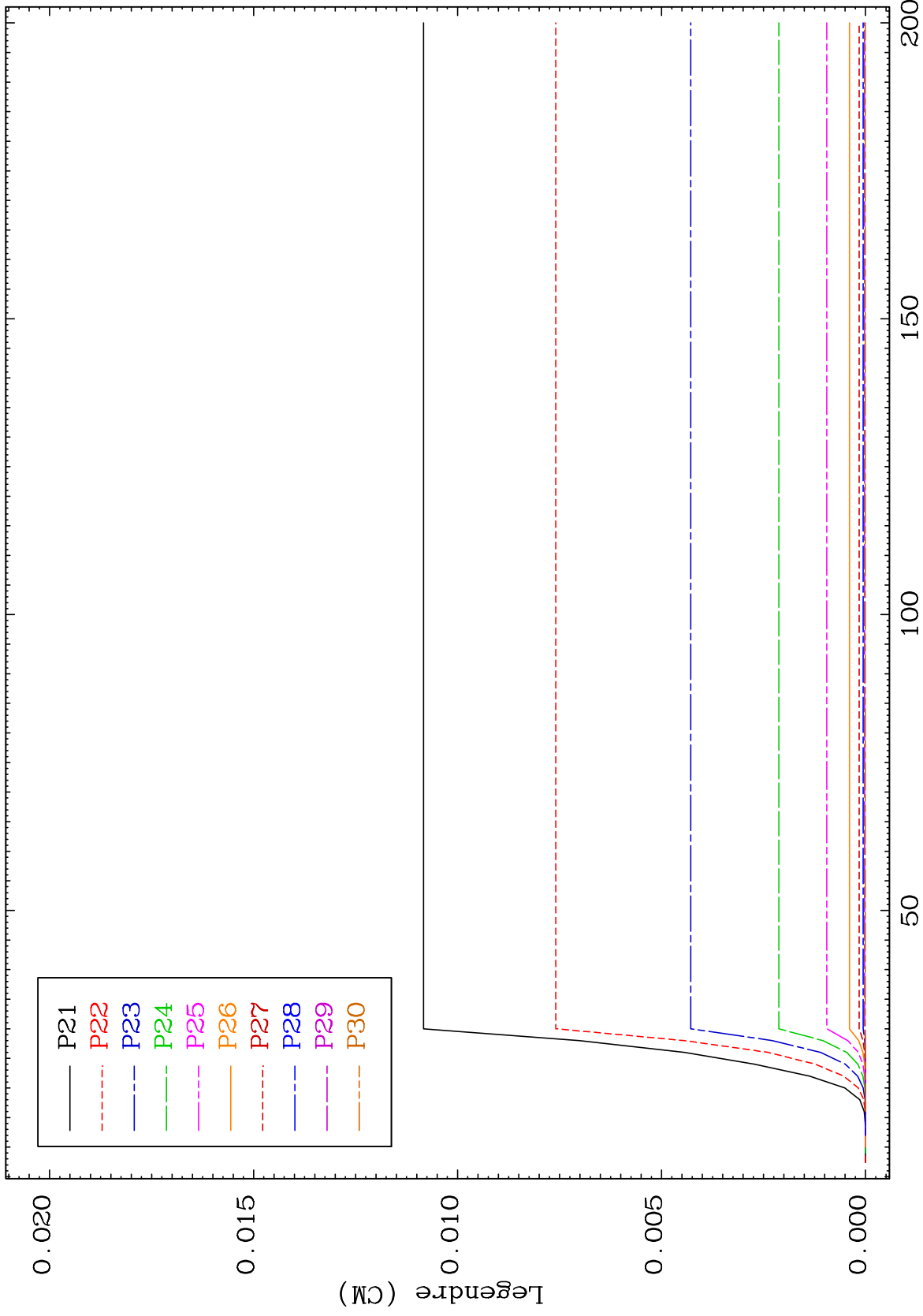
81-T1-202

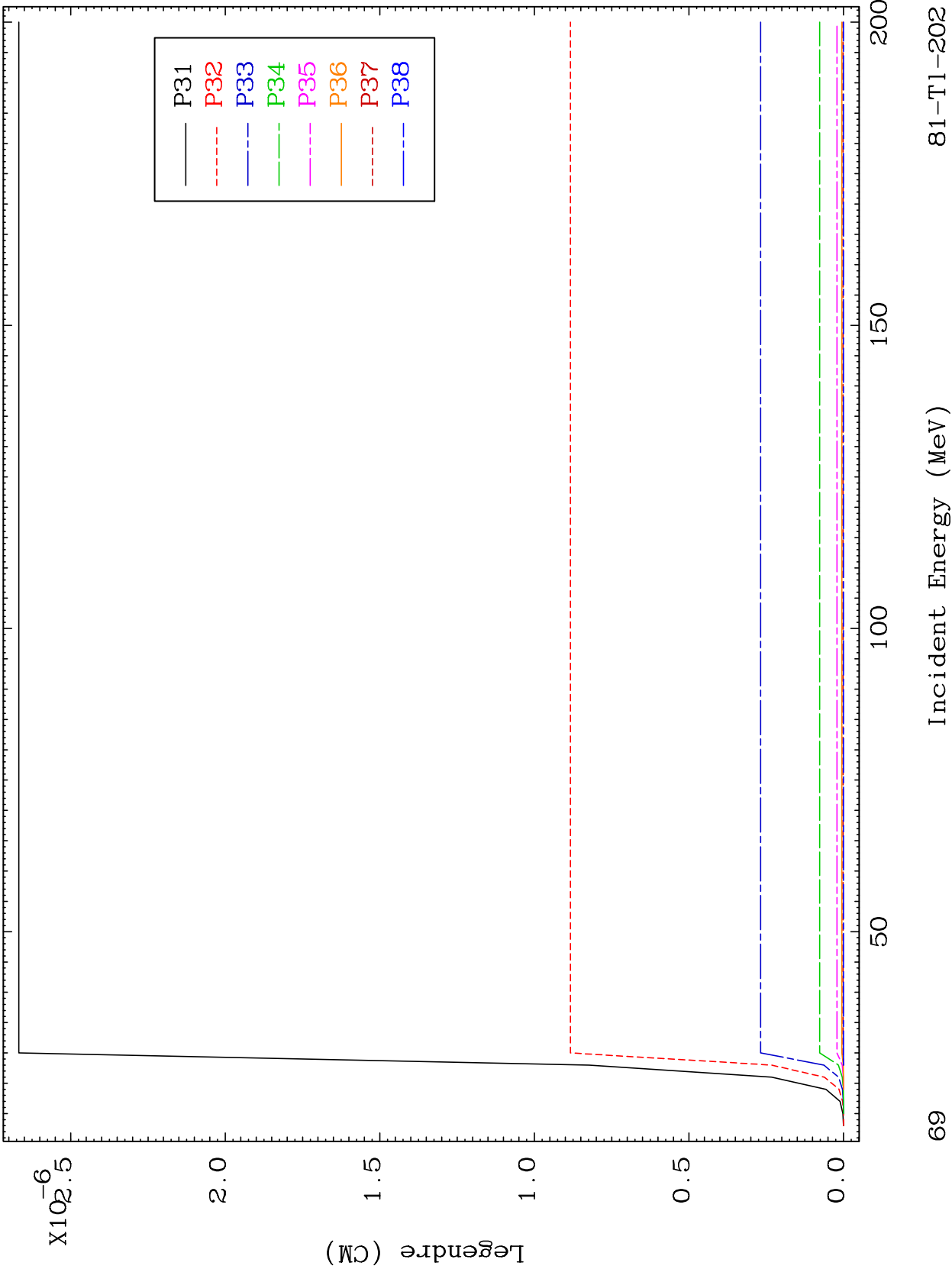


67

Incident Energy (MeV)

81-T1-202

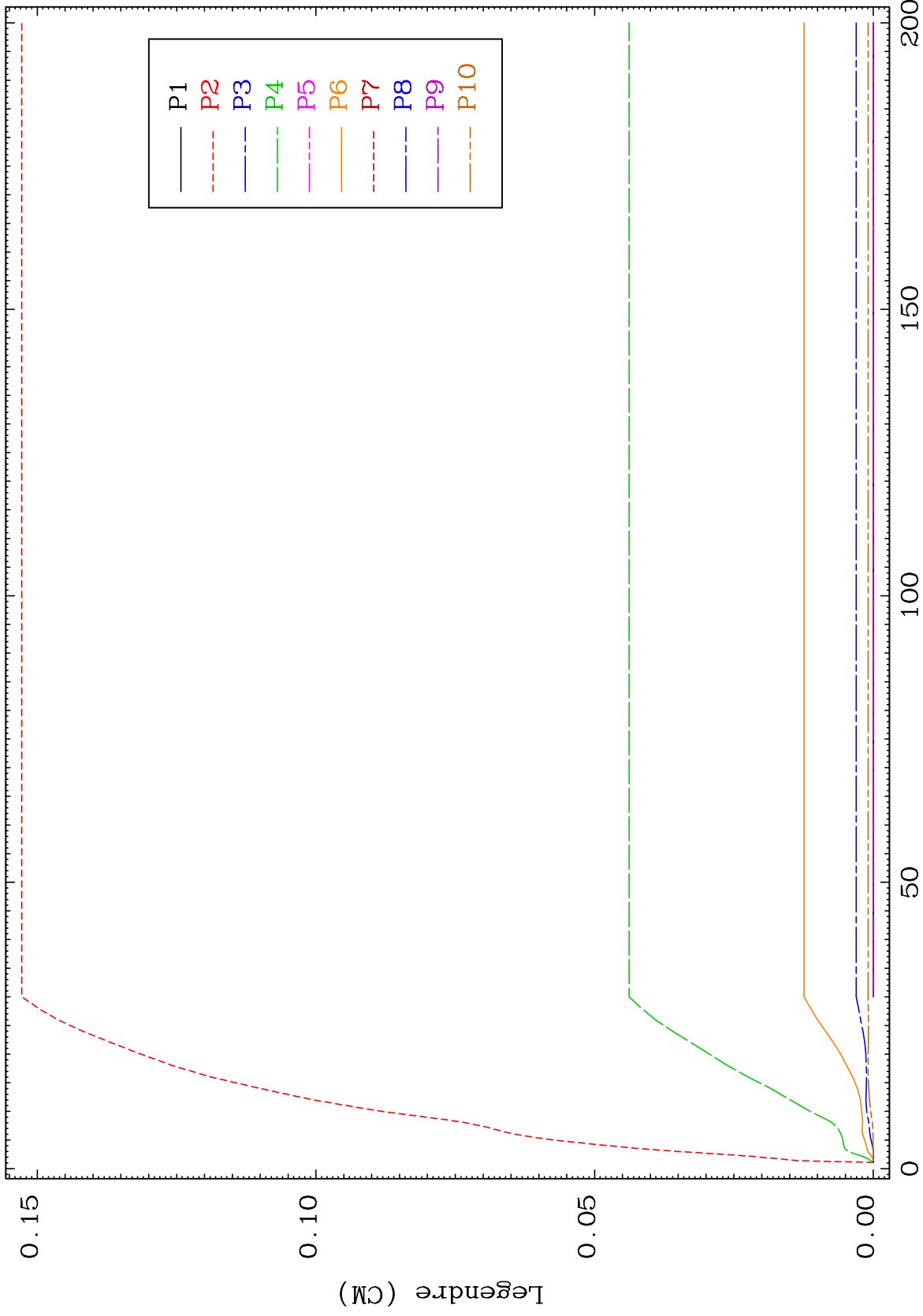




MAT 8122

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

81-T1-202



81-T1-202

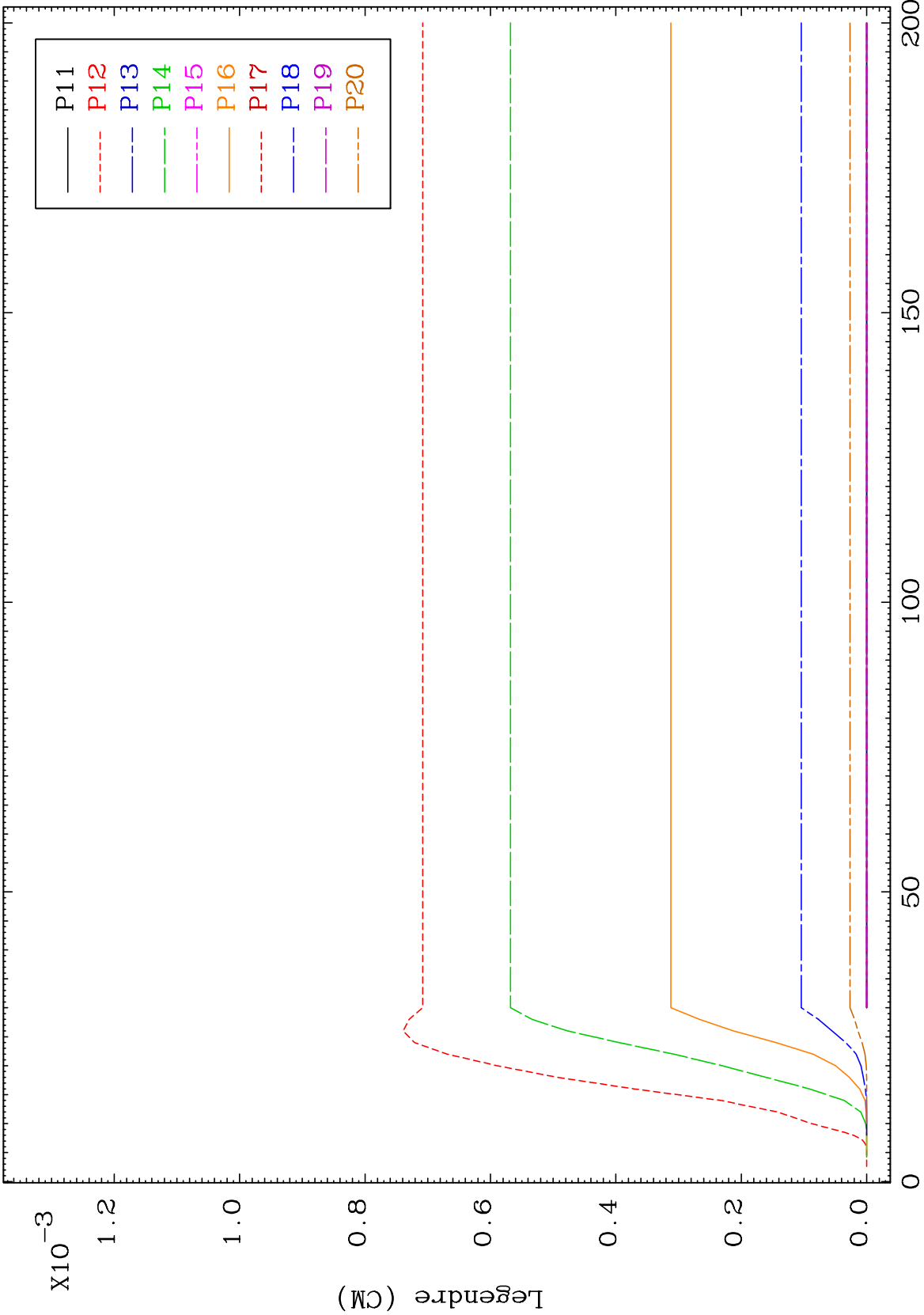
Incident Energy (MeV)

70

MAT 8122

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

81-T1-202



71

Incident Energy (MeV)

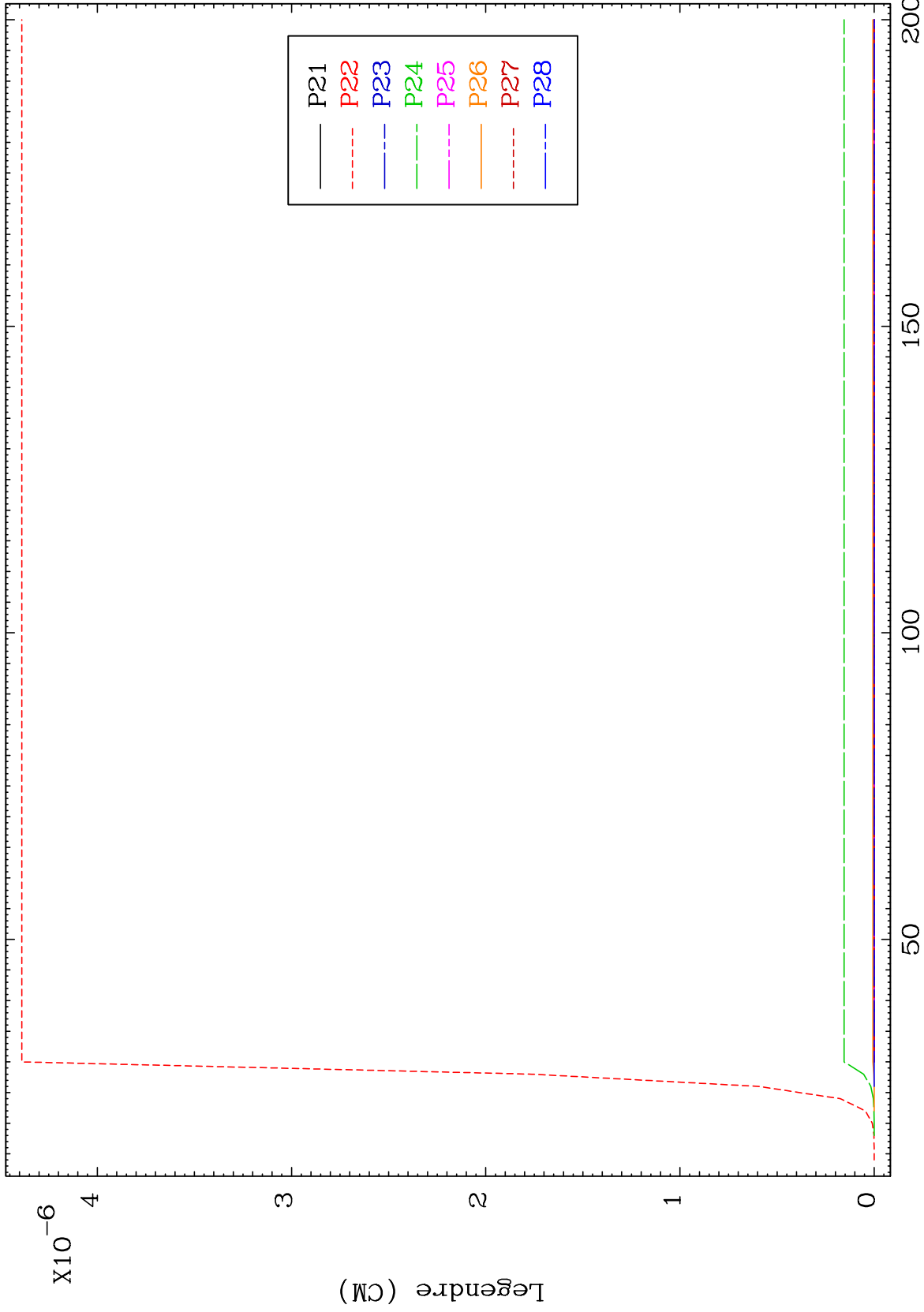
81-T1-202



MAT 8122

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

81-T1-202



72

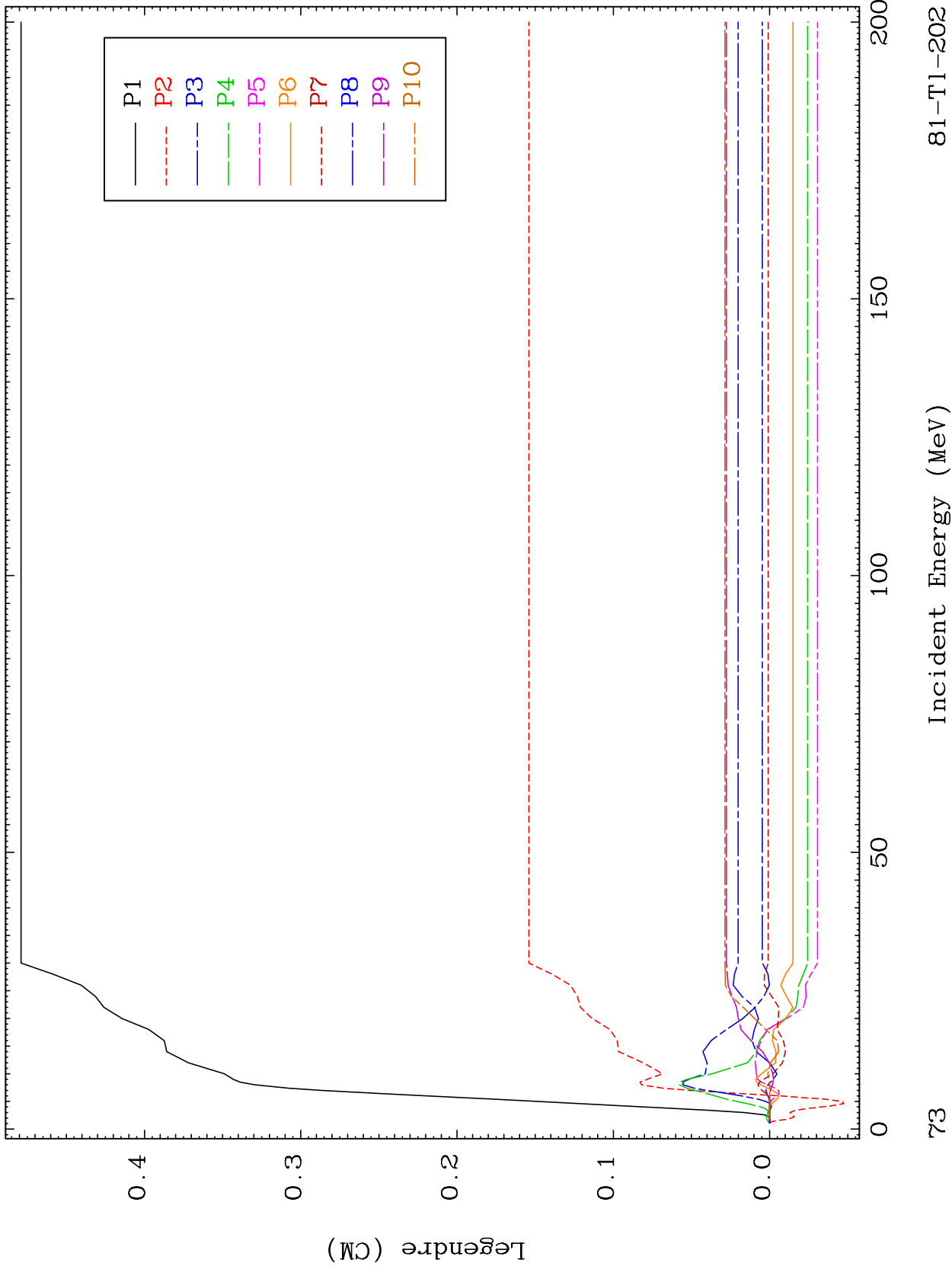
Incident Energy (MeV)

81-T1-202

MAT 8122

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

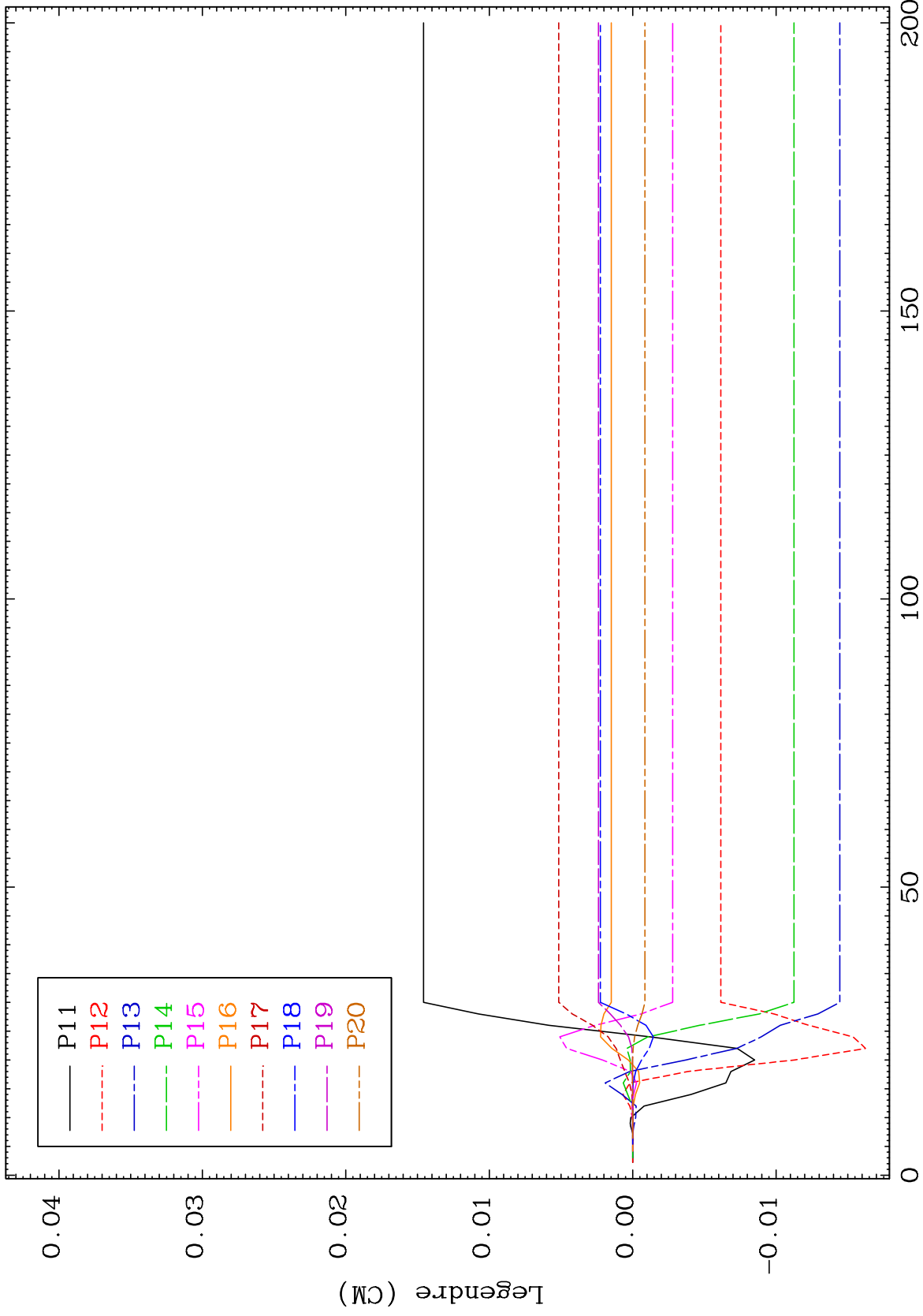
81-T1-202

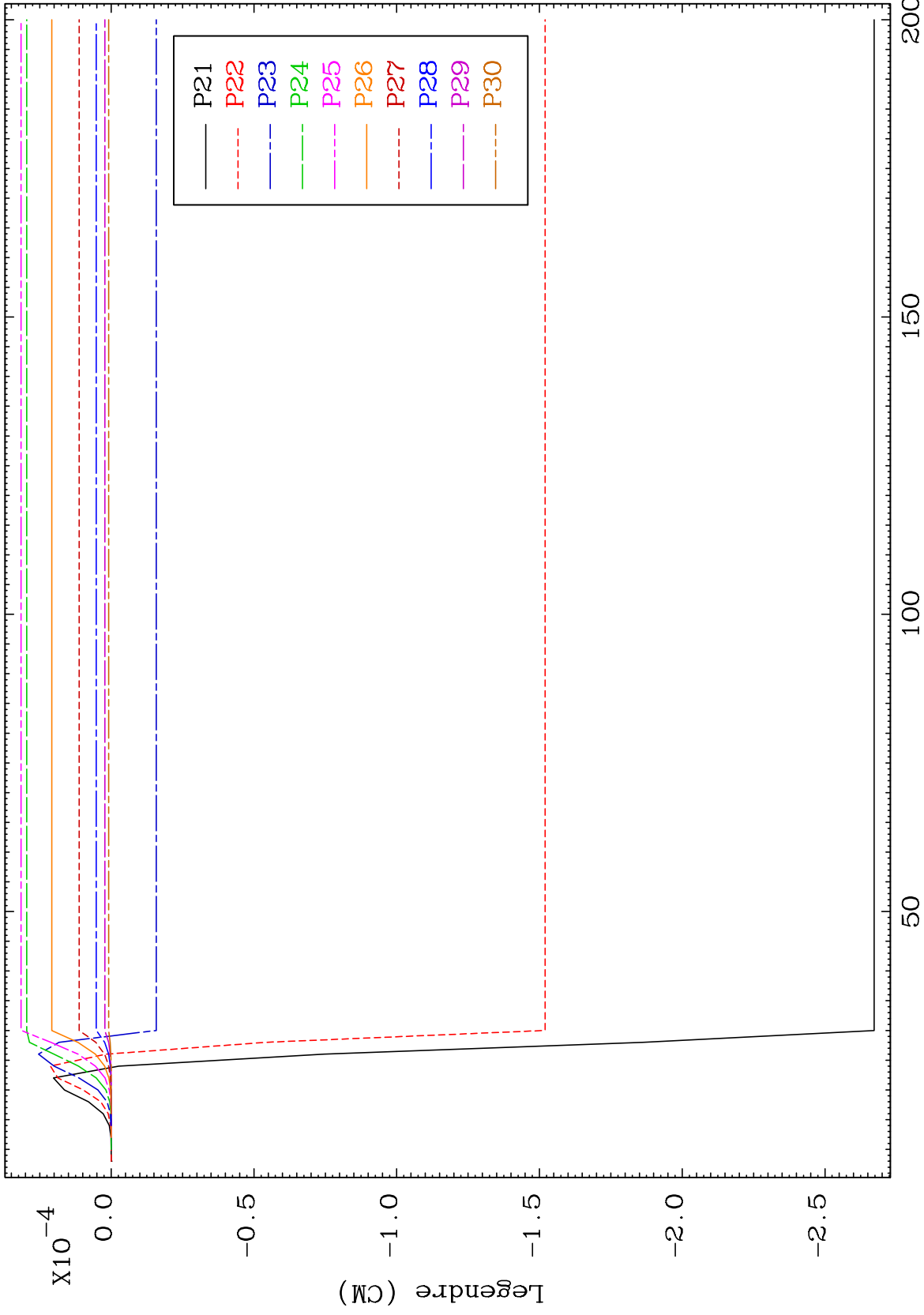


73

Incident Energy (MeV)

81-T1-202

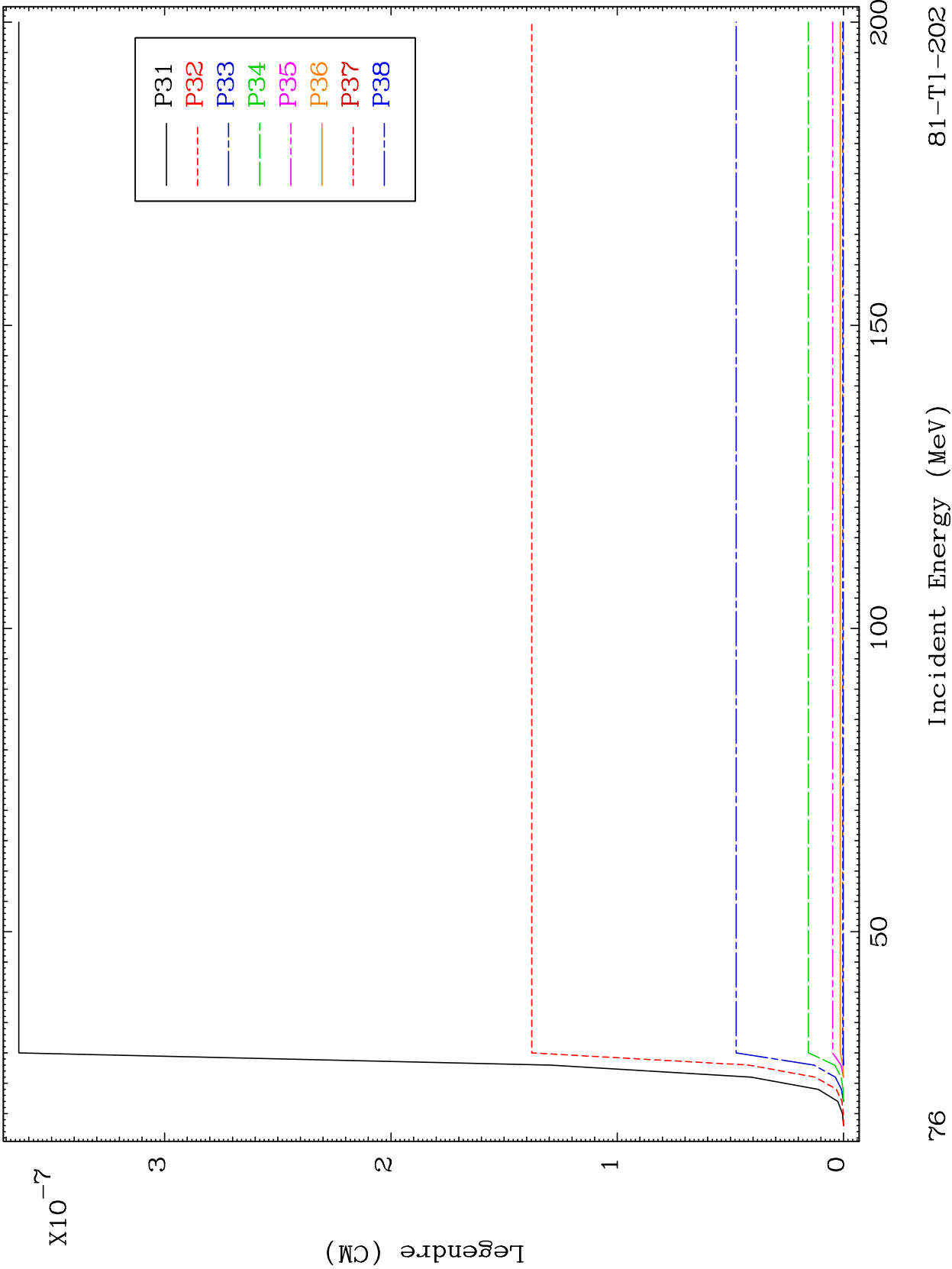




MAT 8122

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

81-T1-202



76

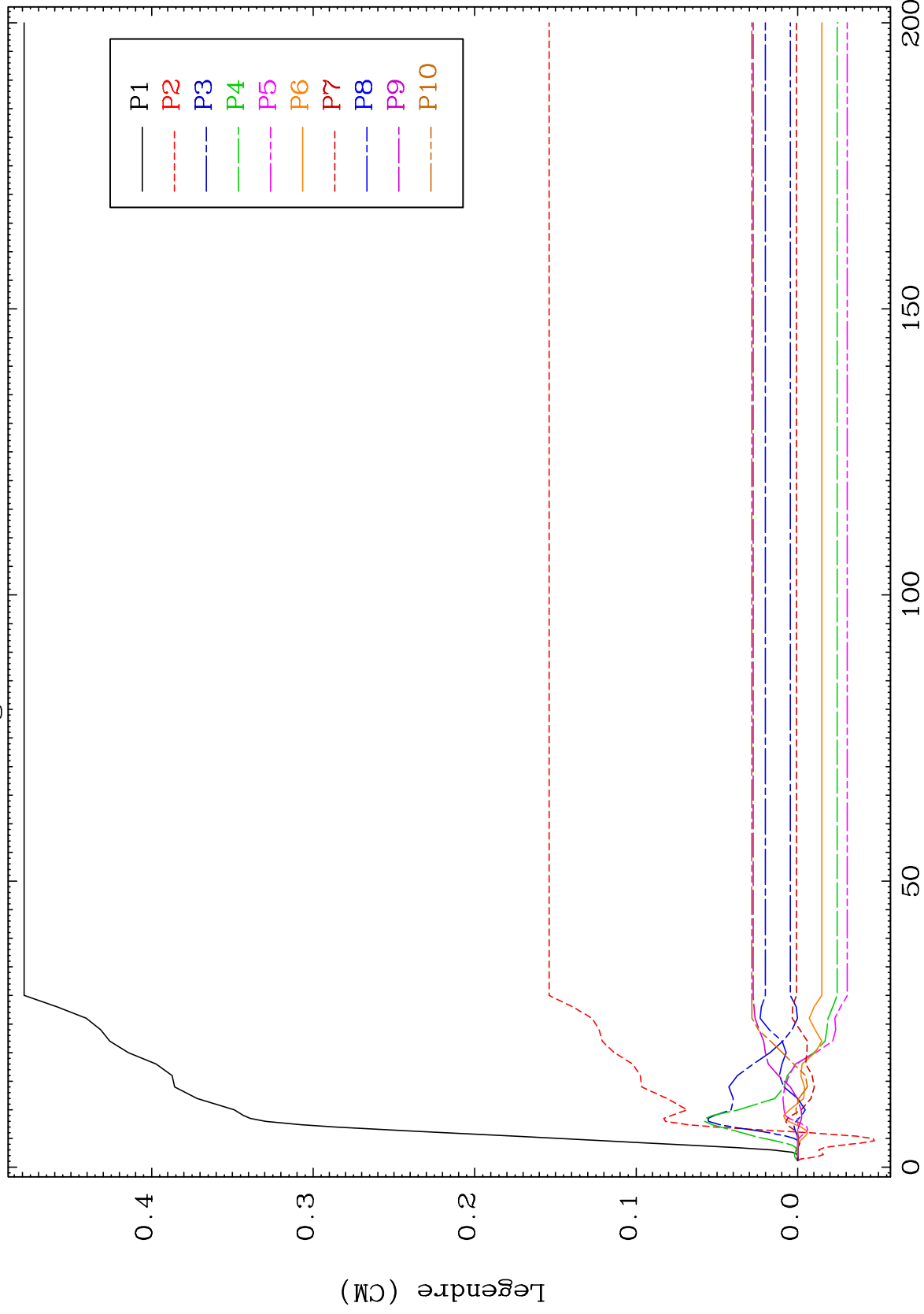
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



77

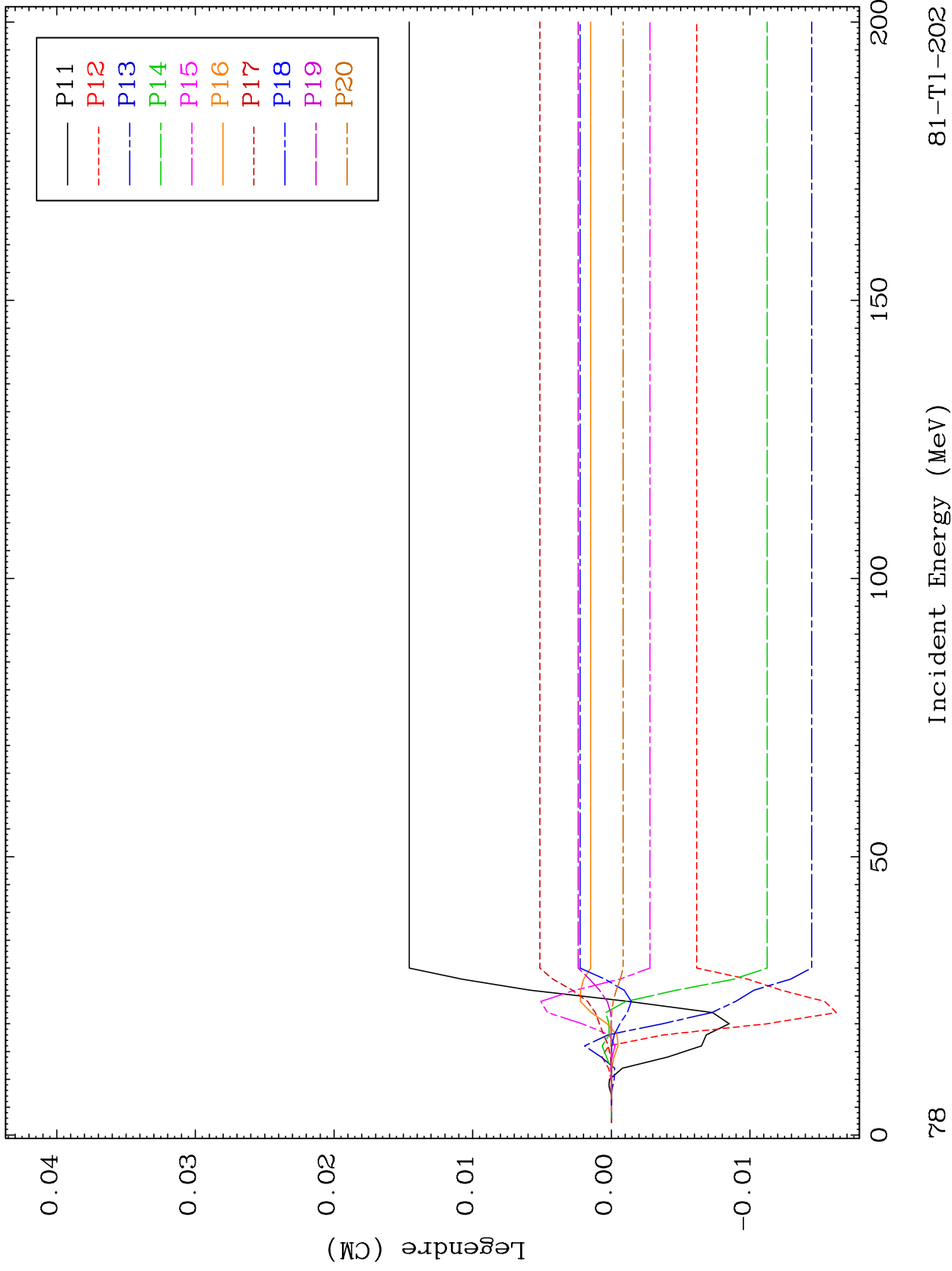
Incident Energy (MeV)

81-T1-202

MAT 8122

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

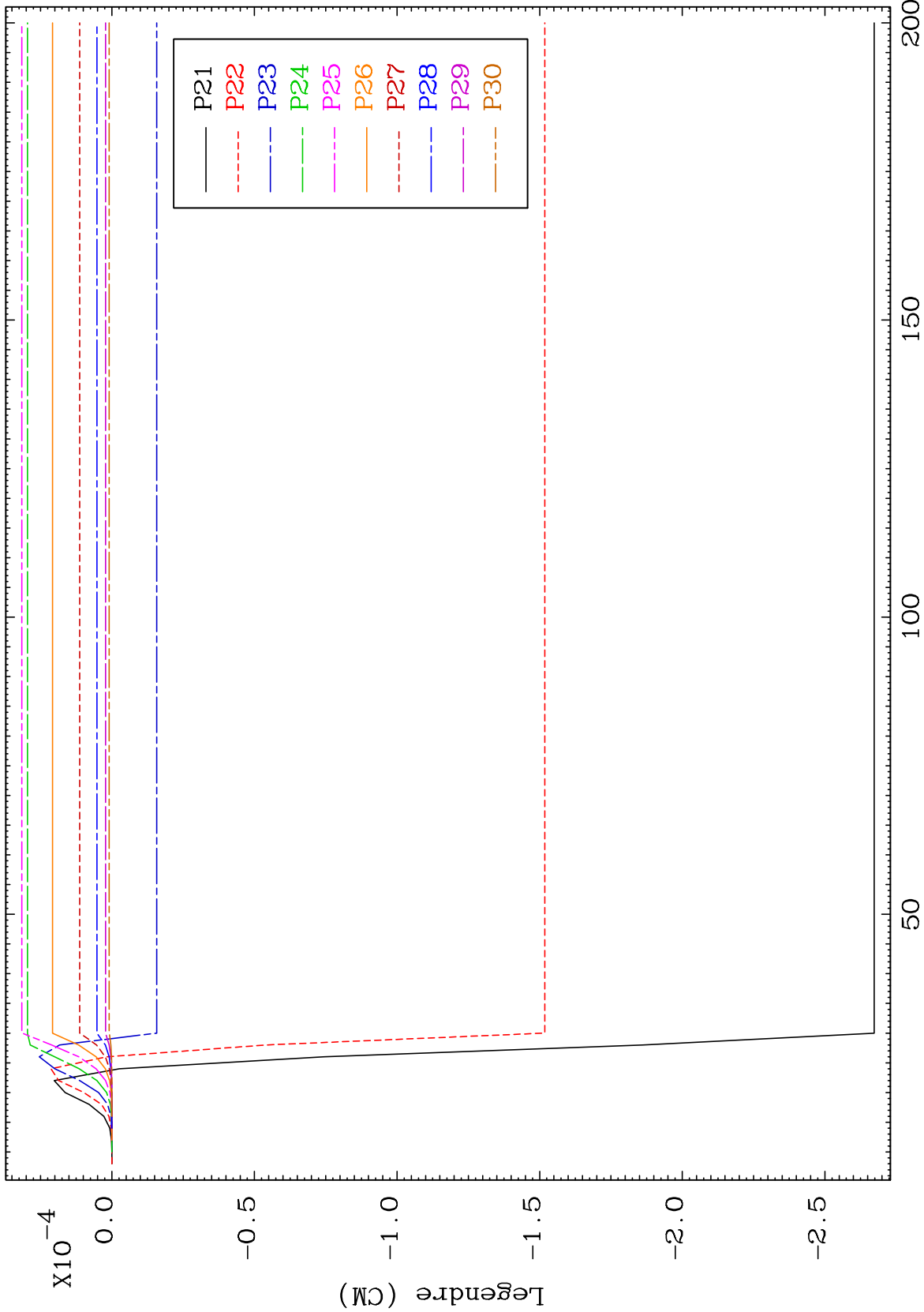
81-T1-202



78

Incident Energy (MeV)

81-T1-202

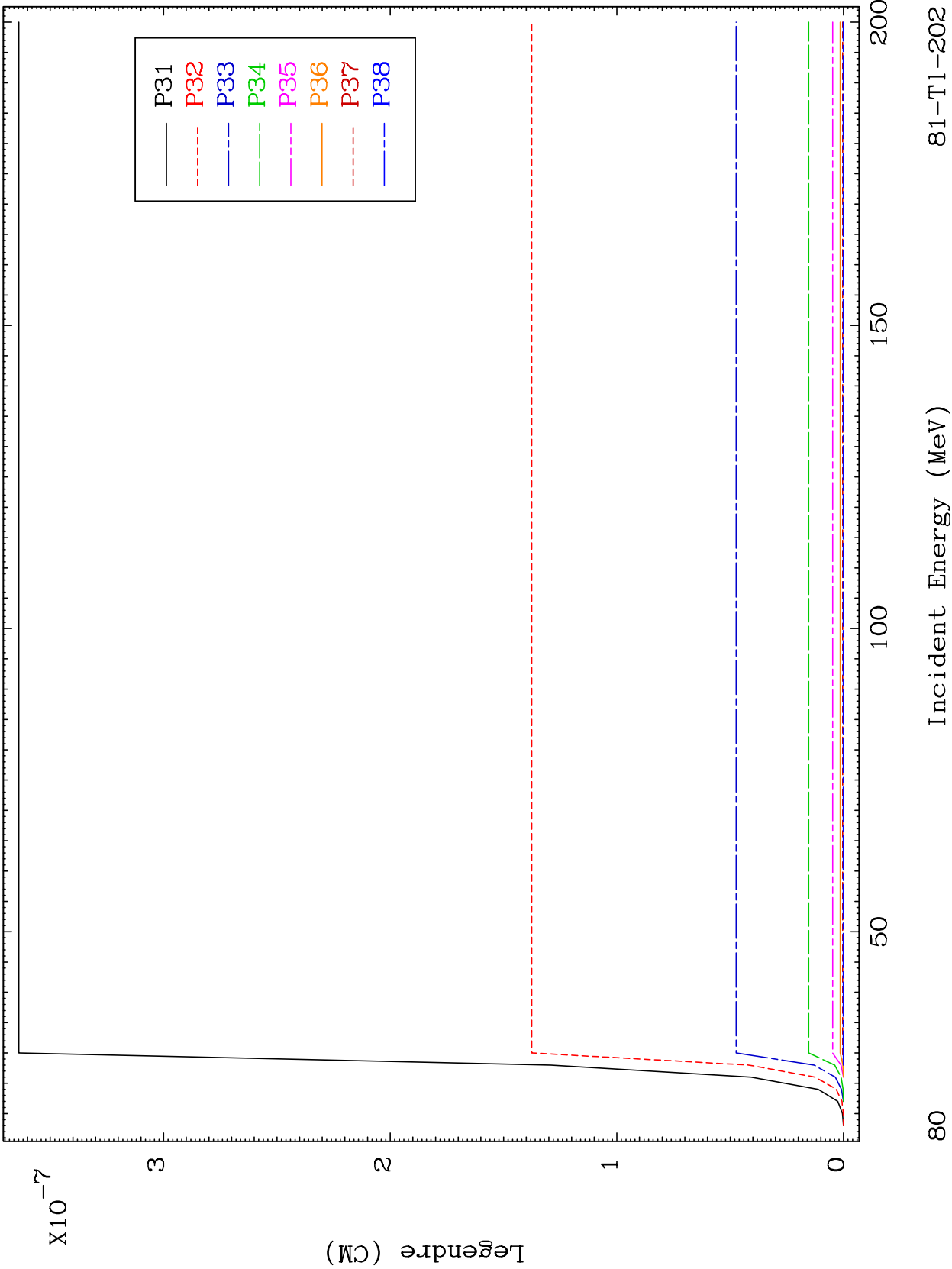




MAT 8122

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

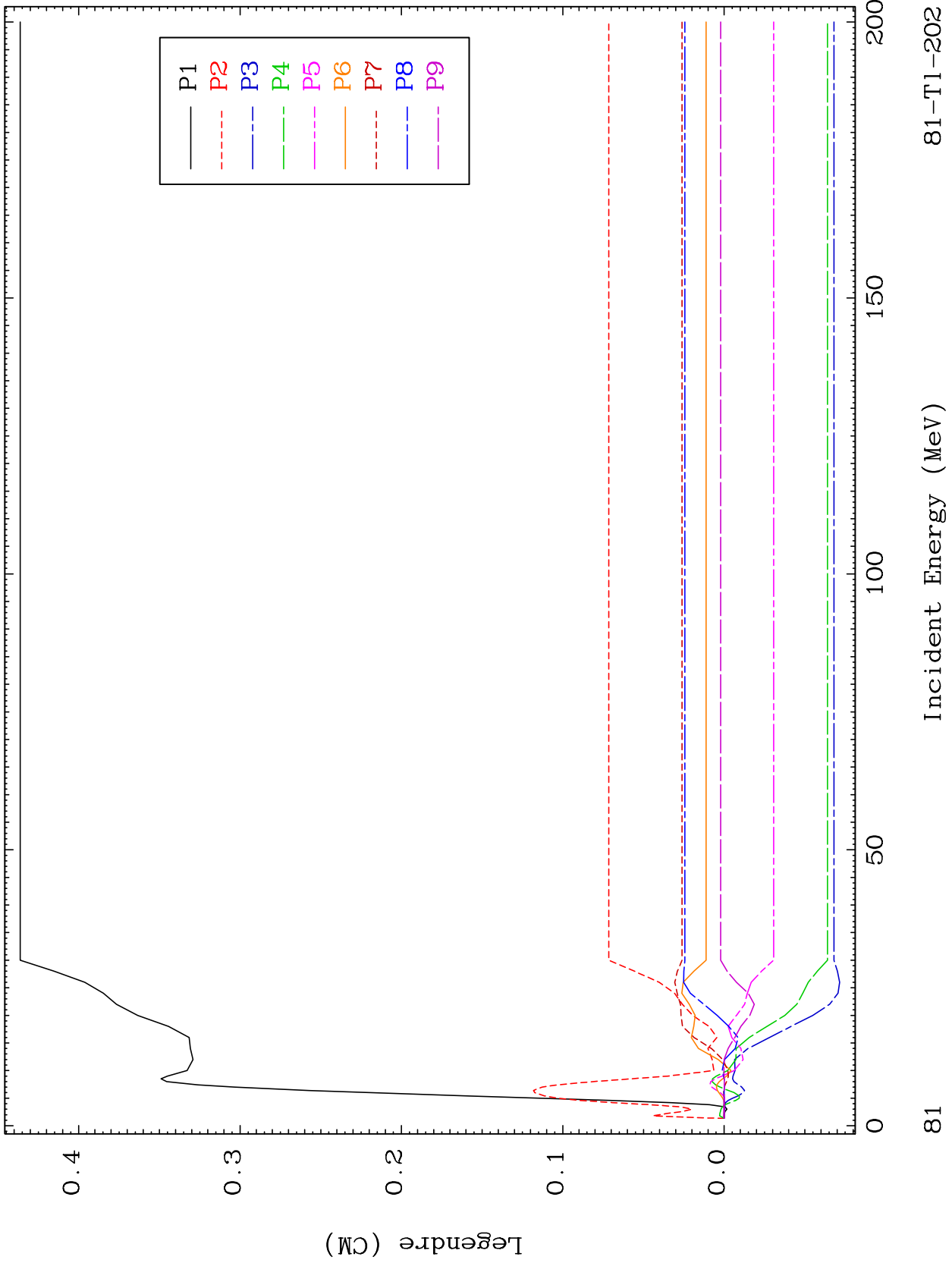
81-T1-202



80

Incident Energy (MeV)

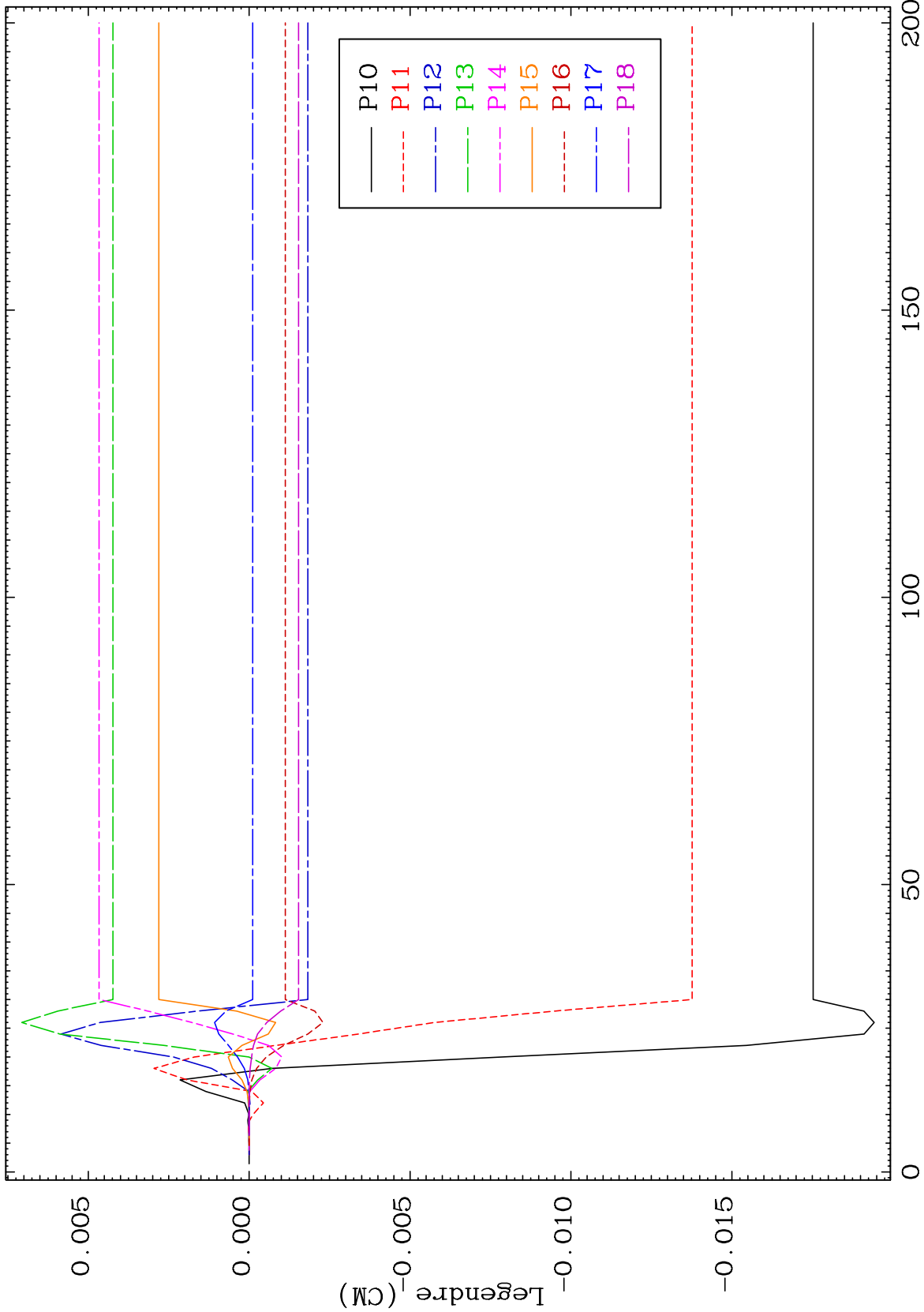
81-T1-202



MAT 8122

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

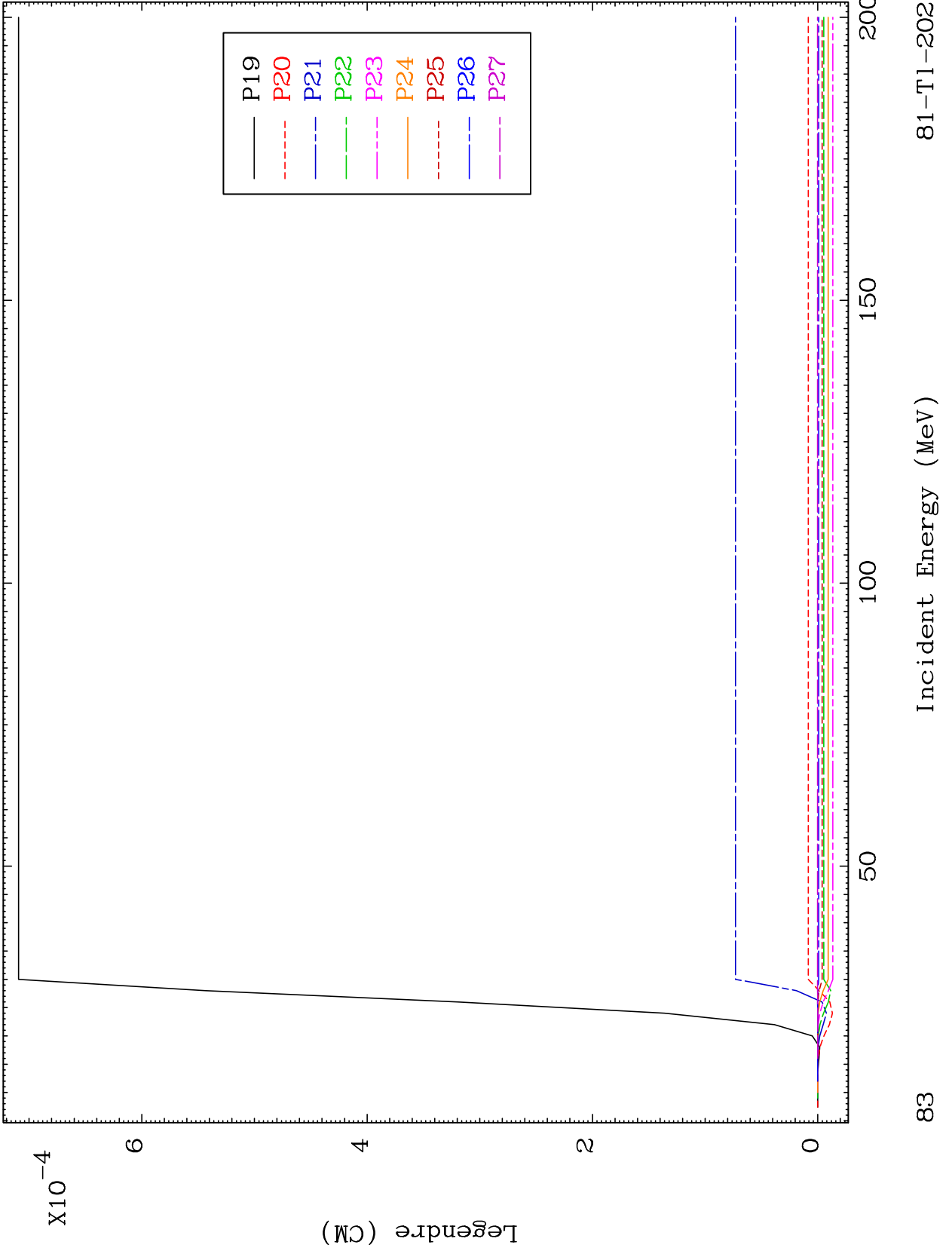
81-T1-202

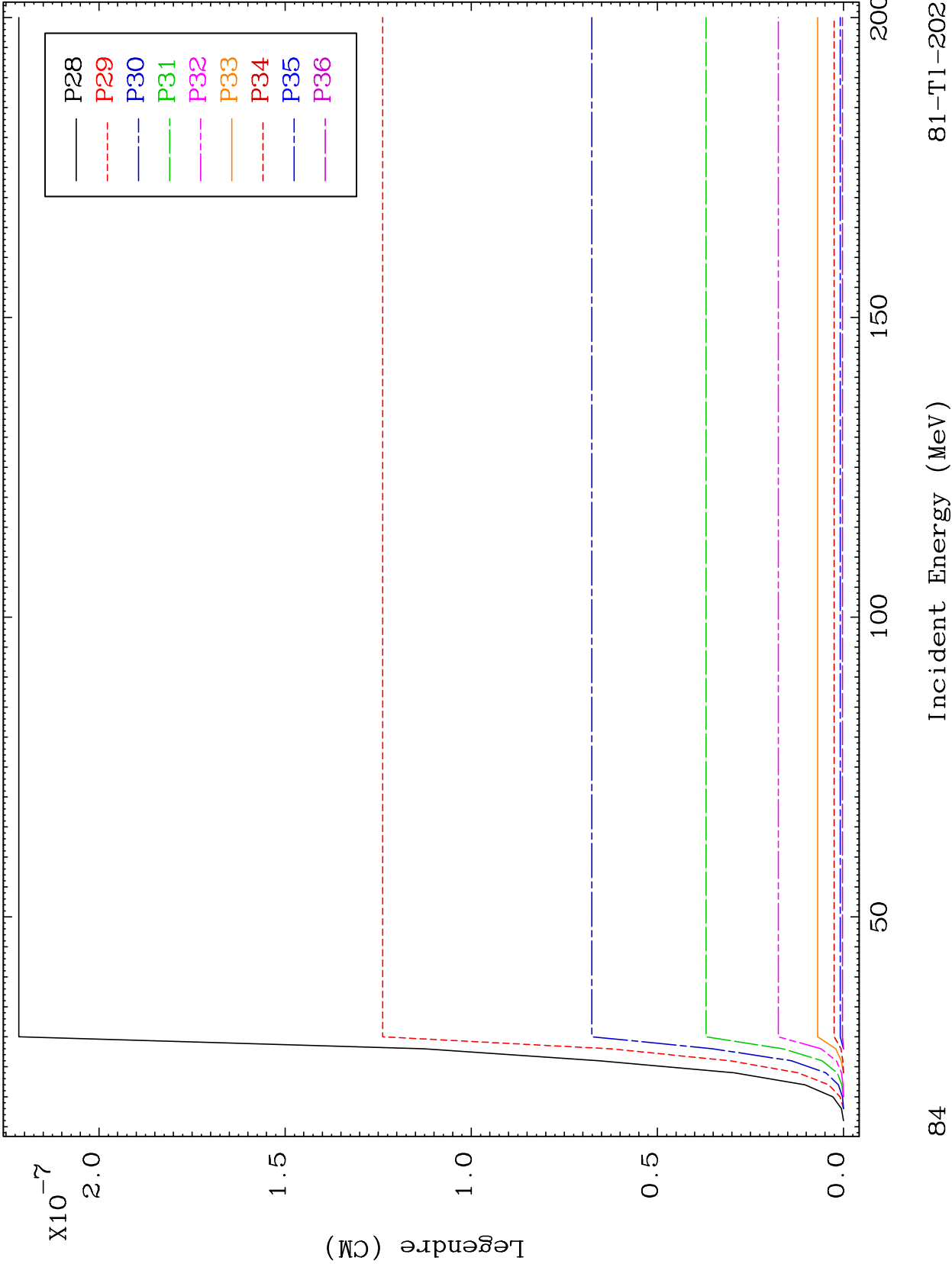


82

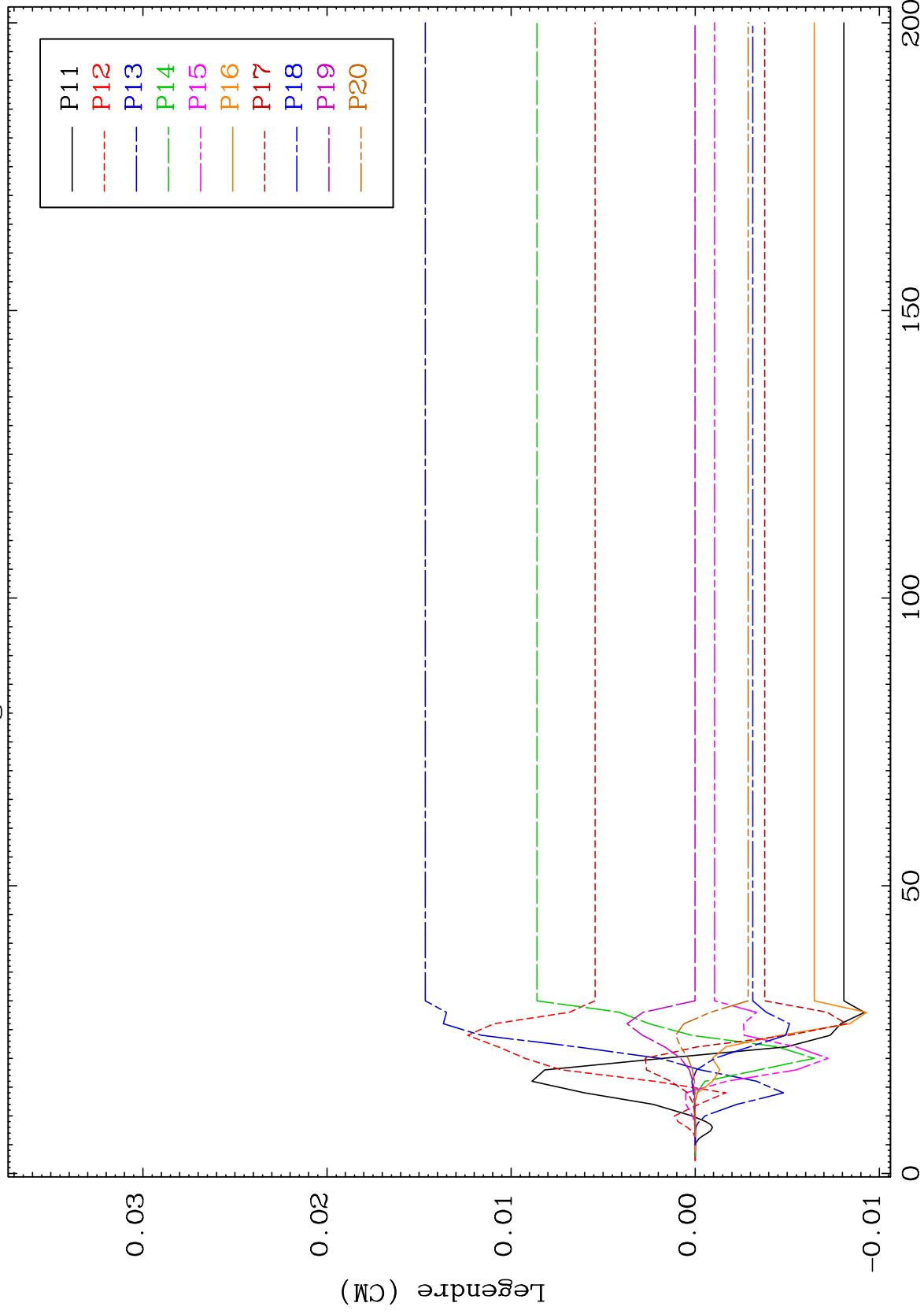
Incident Energy (MeV)

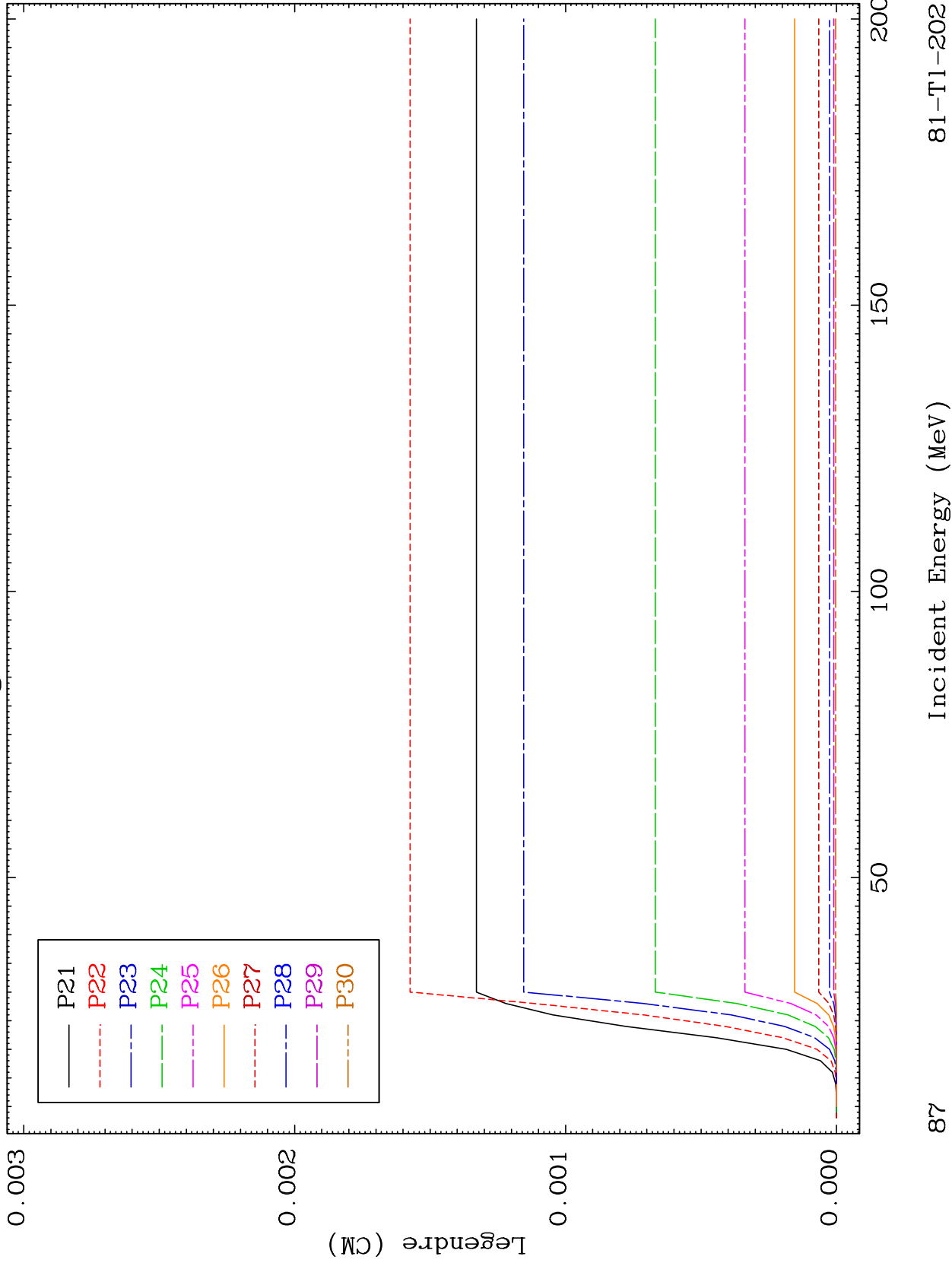
81-T1-202



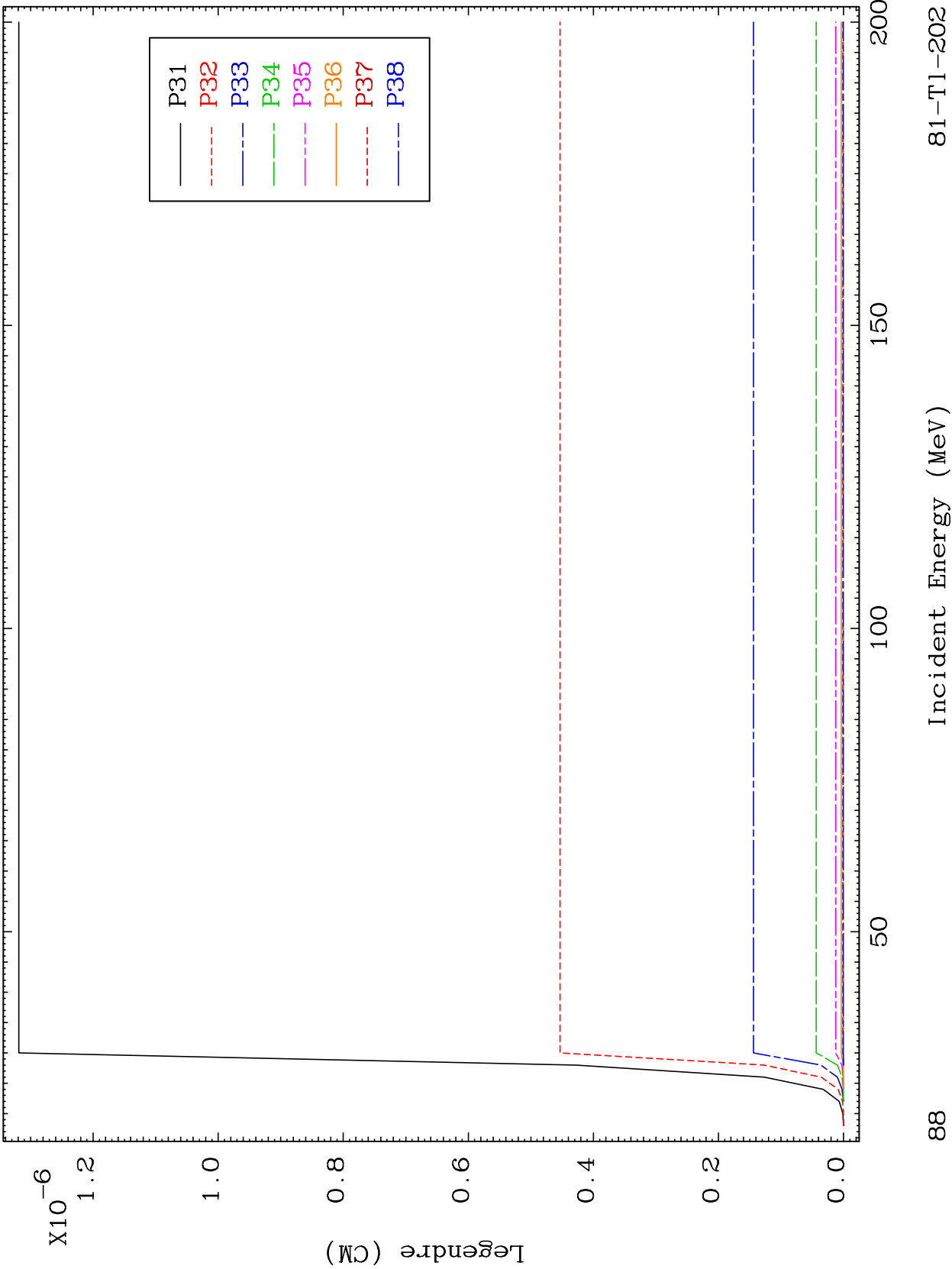


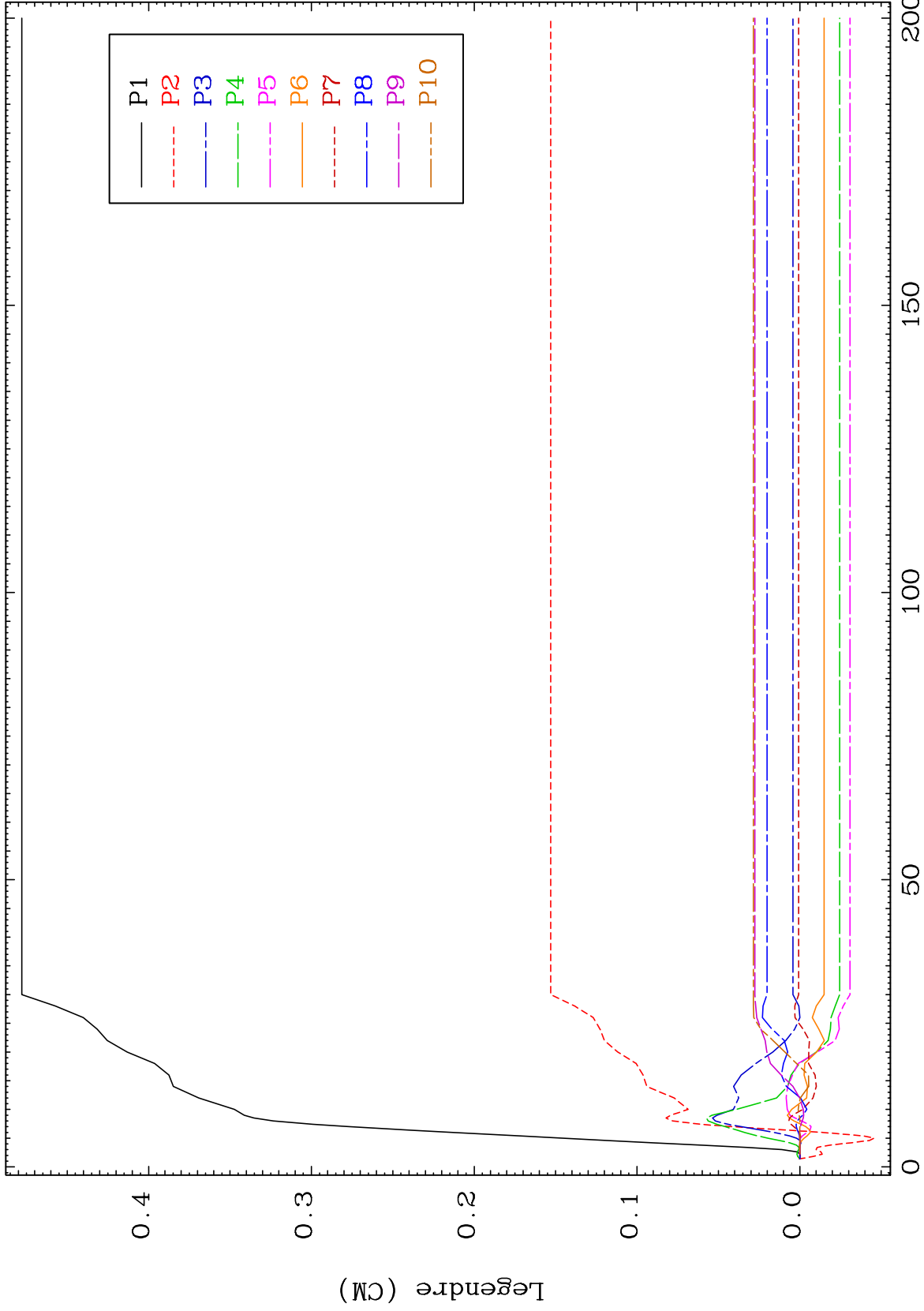








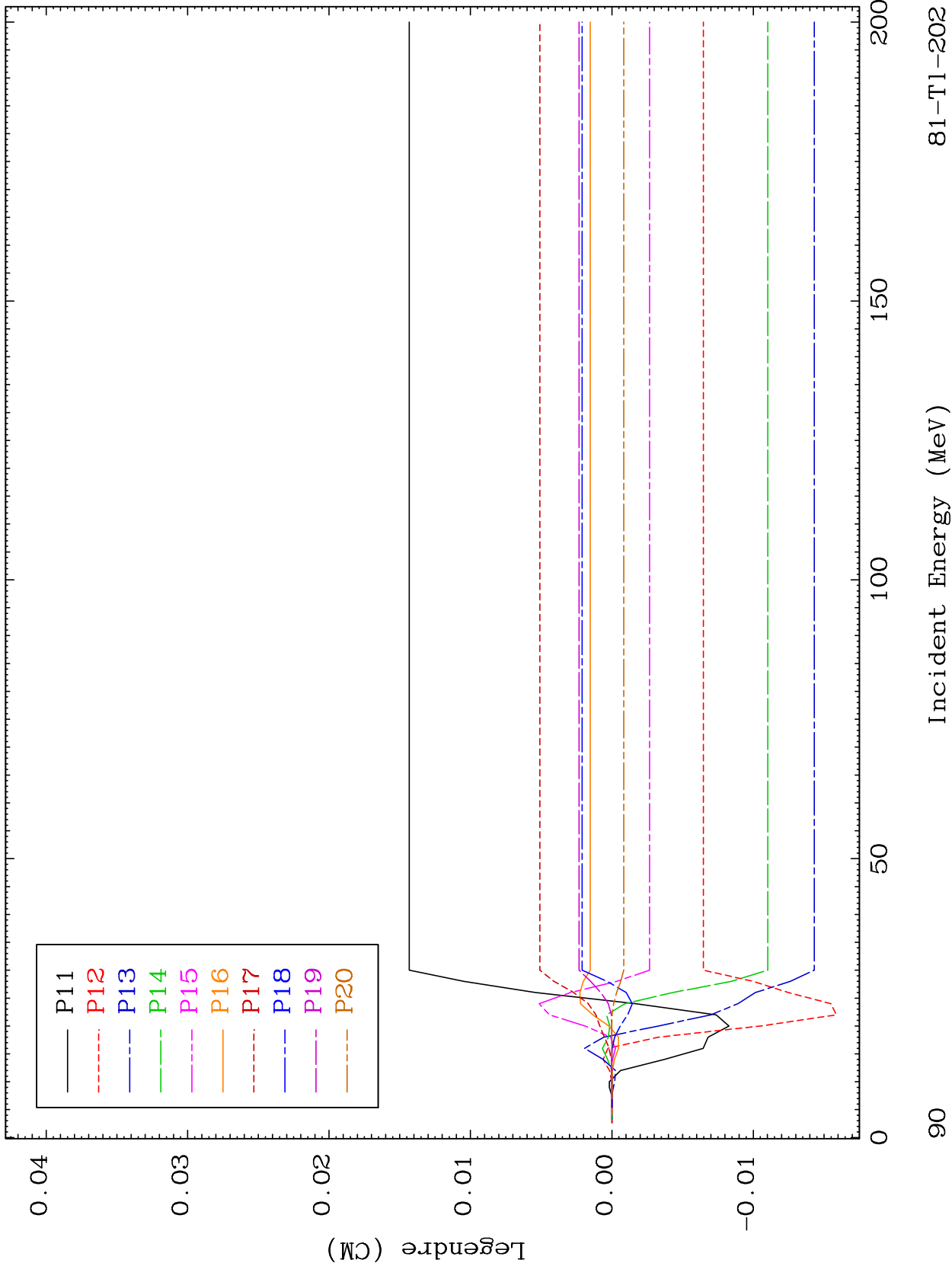




MAT 8122

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

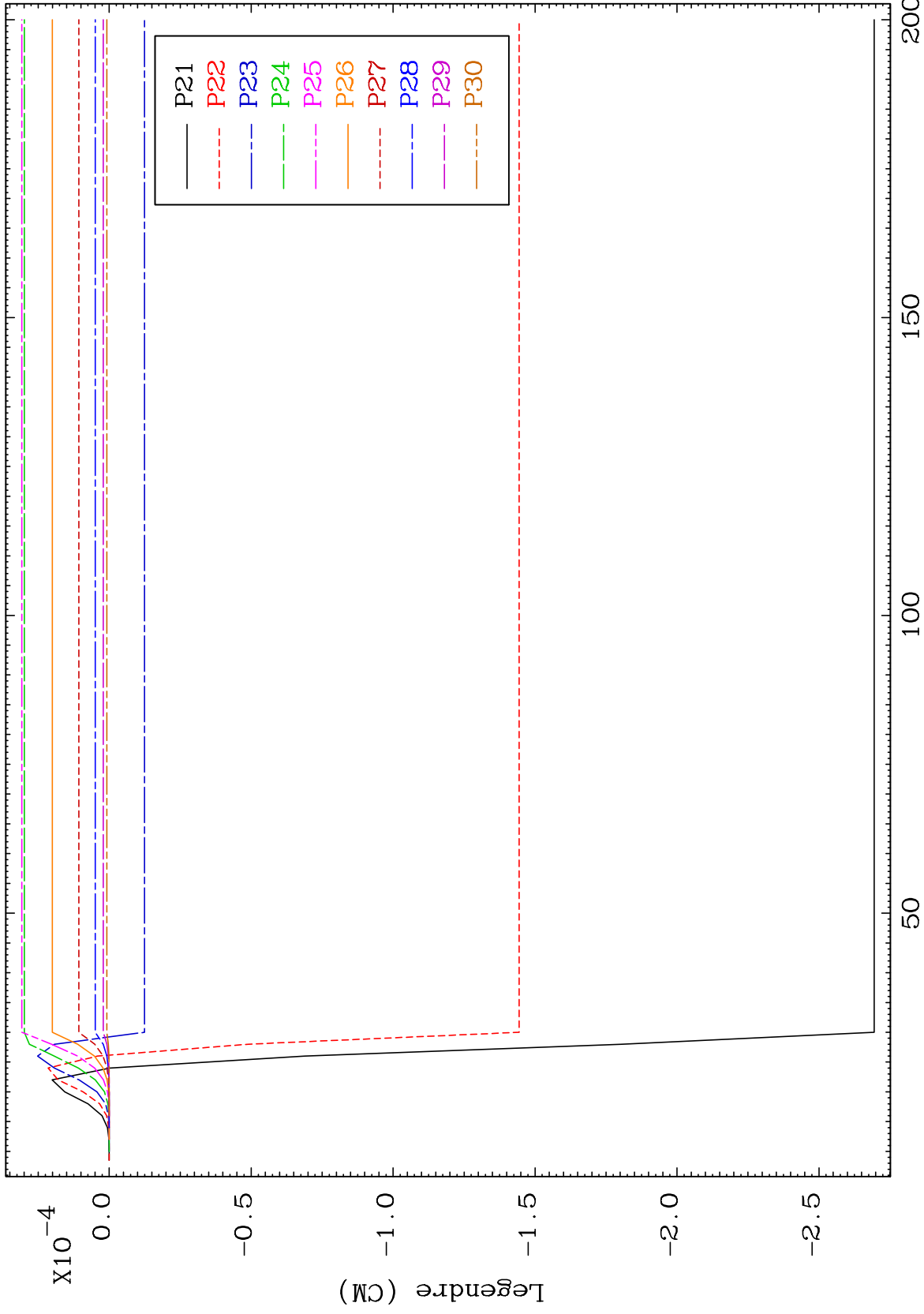
81-T1-202

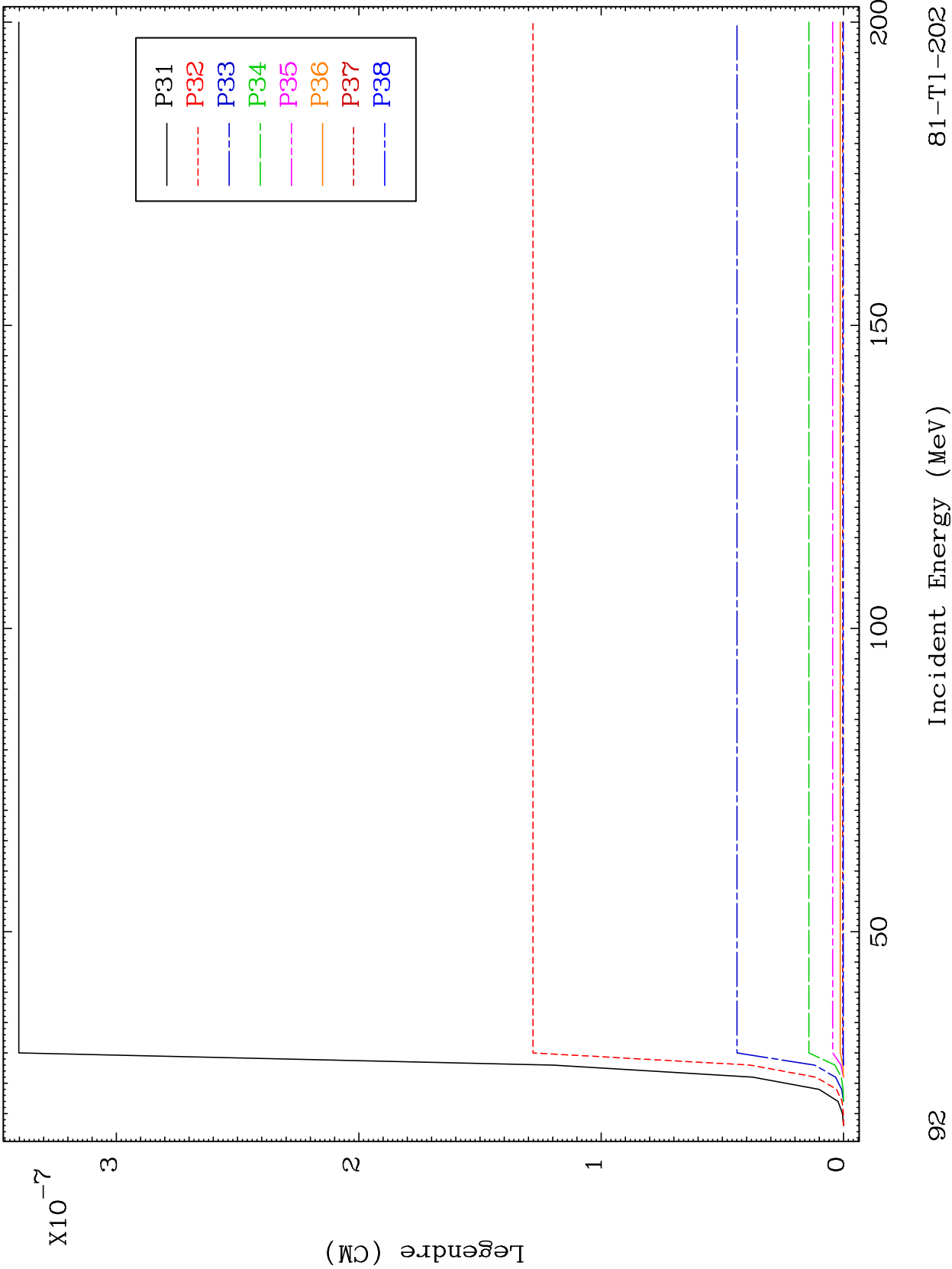


81-T1-202

Incident Energy (MeV)

90

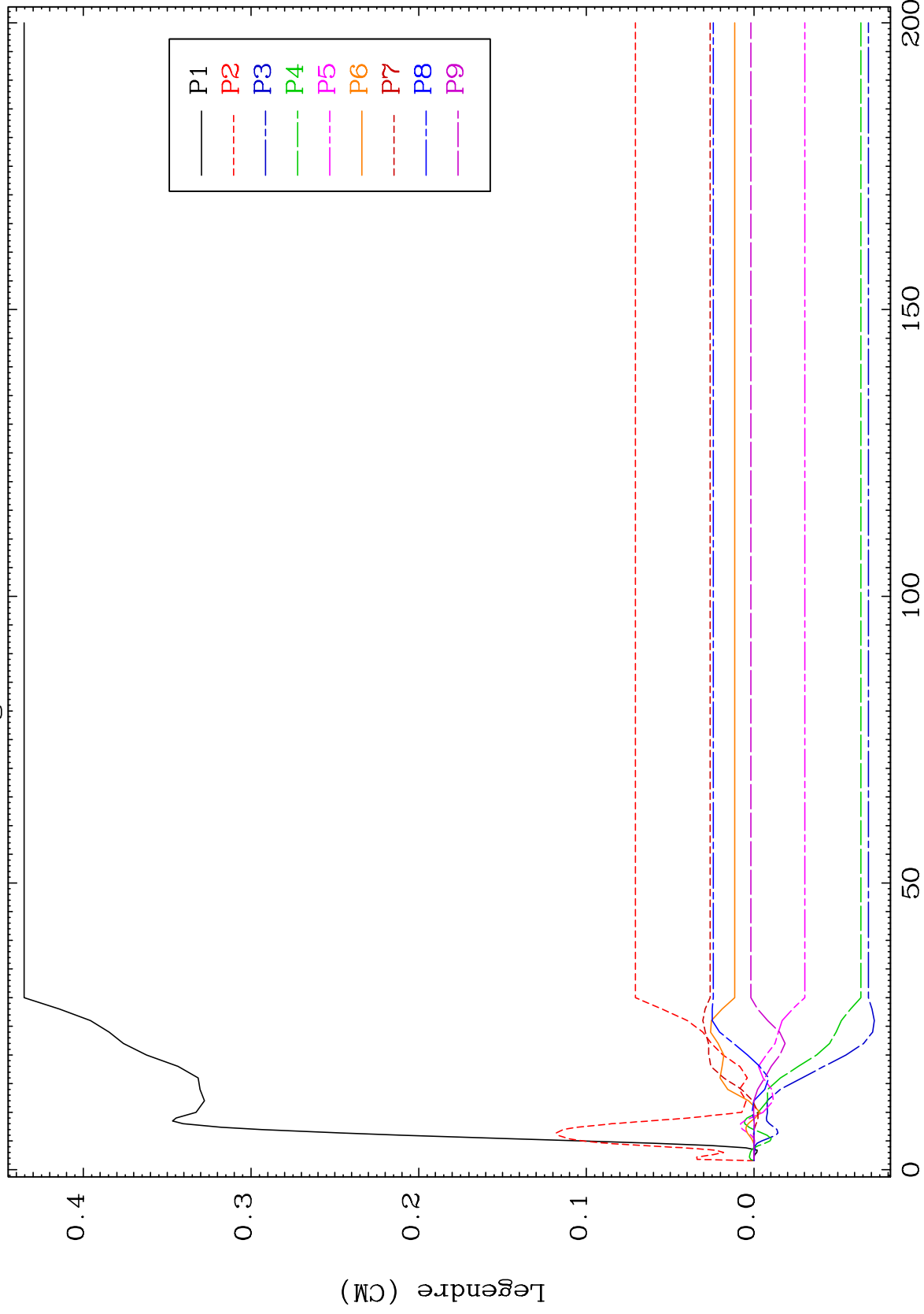




MAT 8122

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

81-T1-202



93

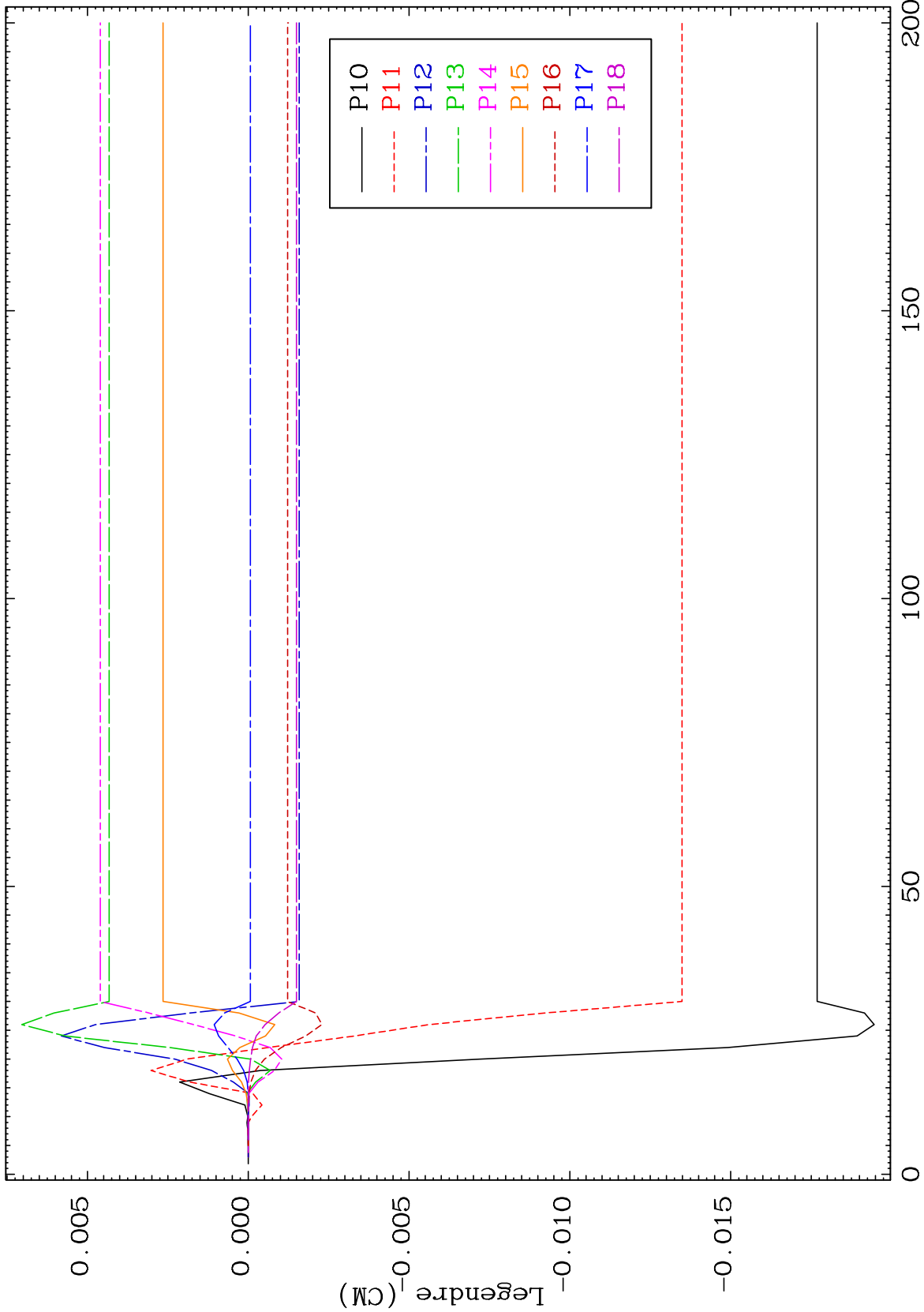
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



94

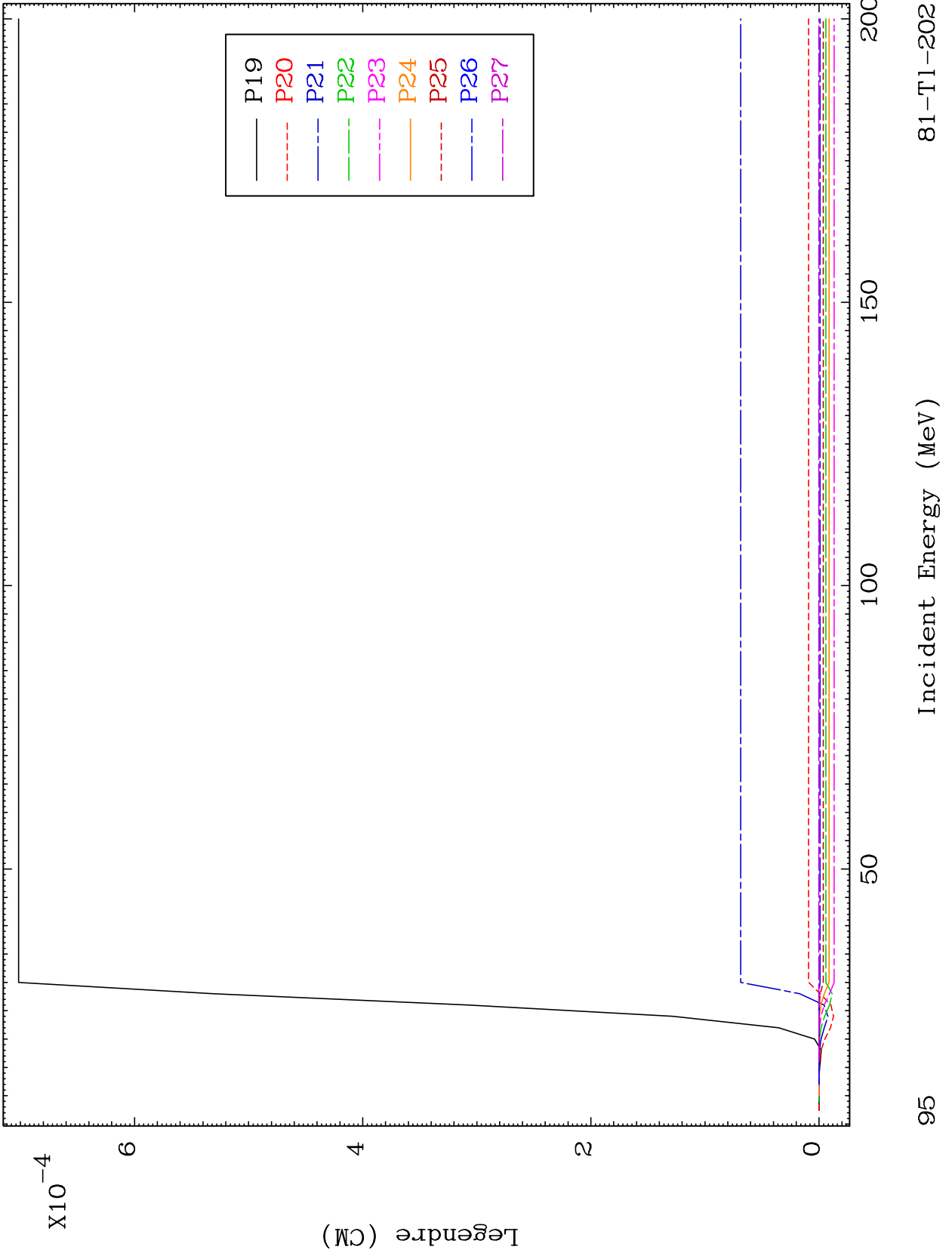
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202

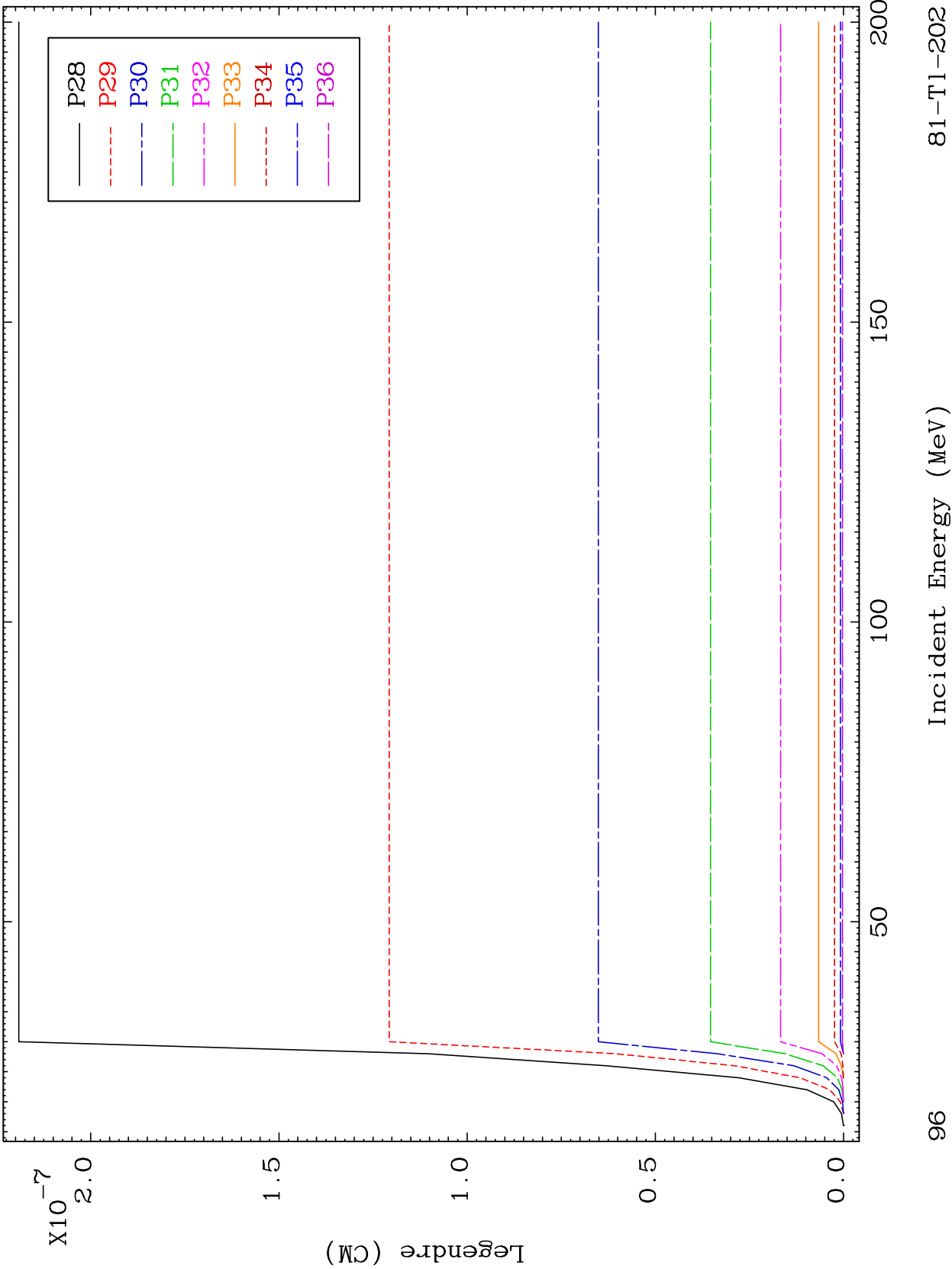


81-T1-202

Incident Energy (MeV)

95



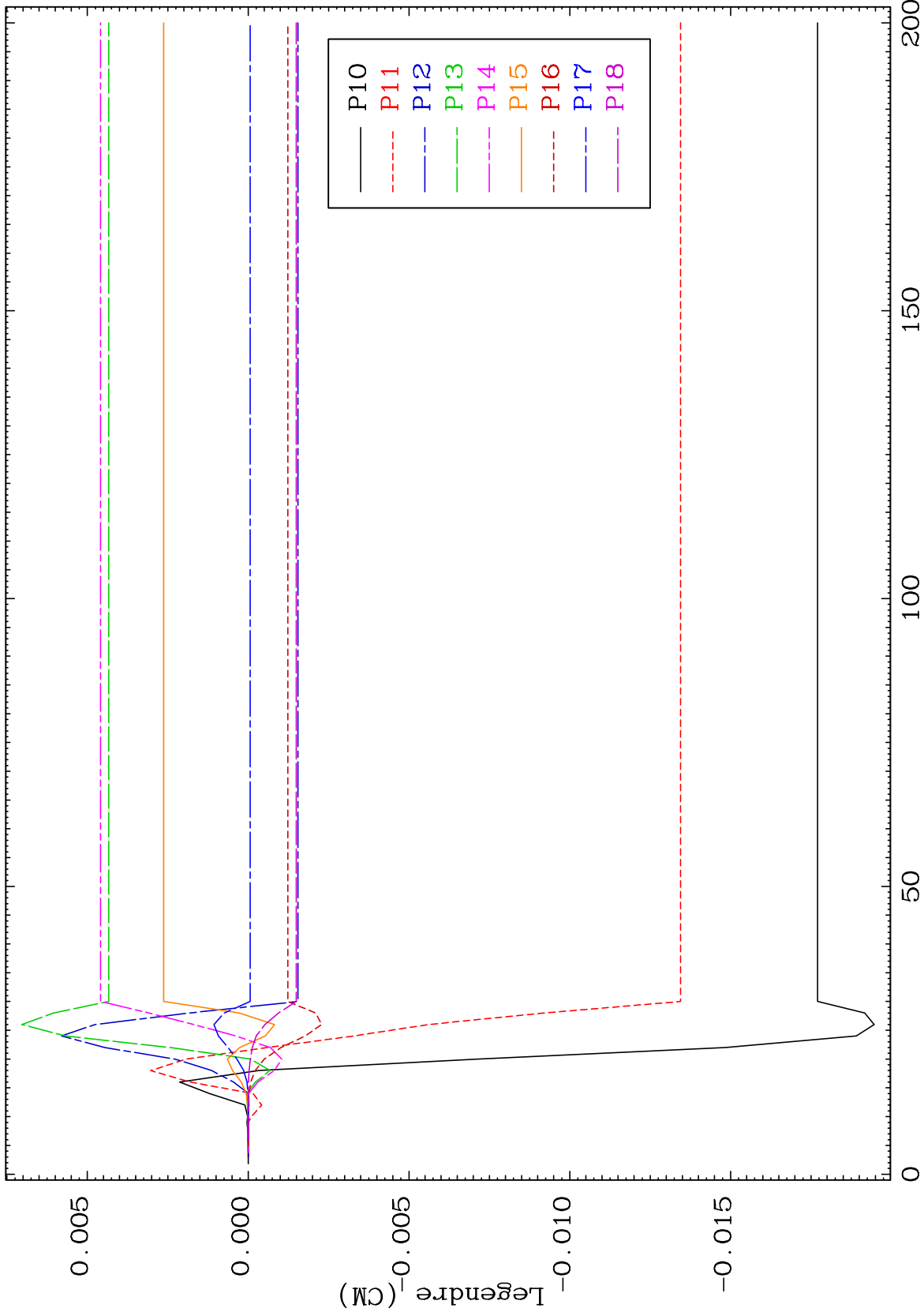




MAT 8122

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

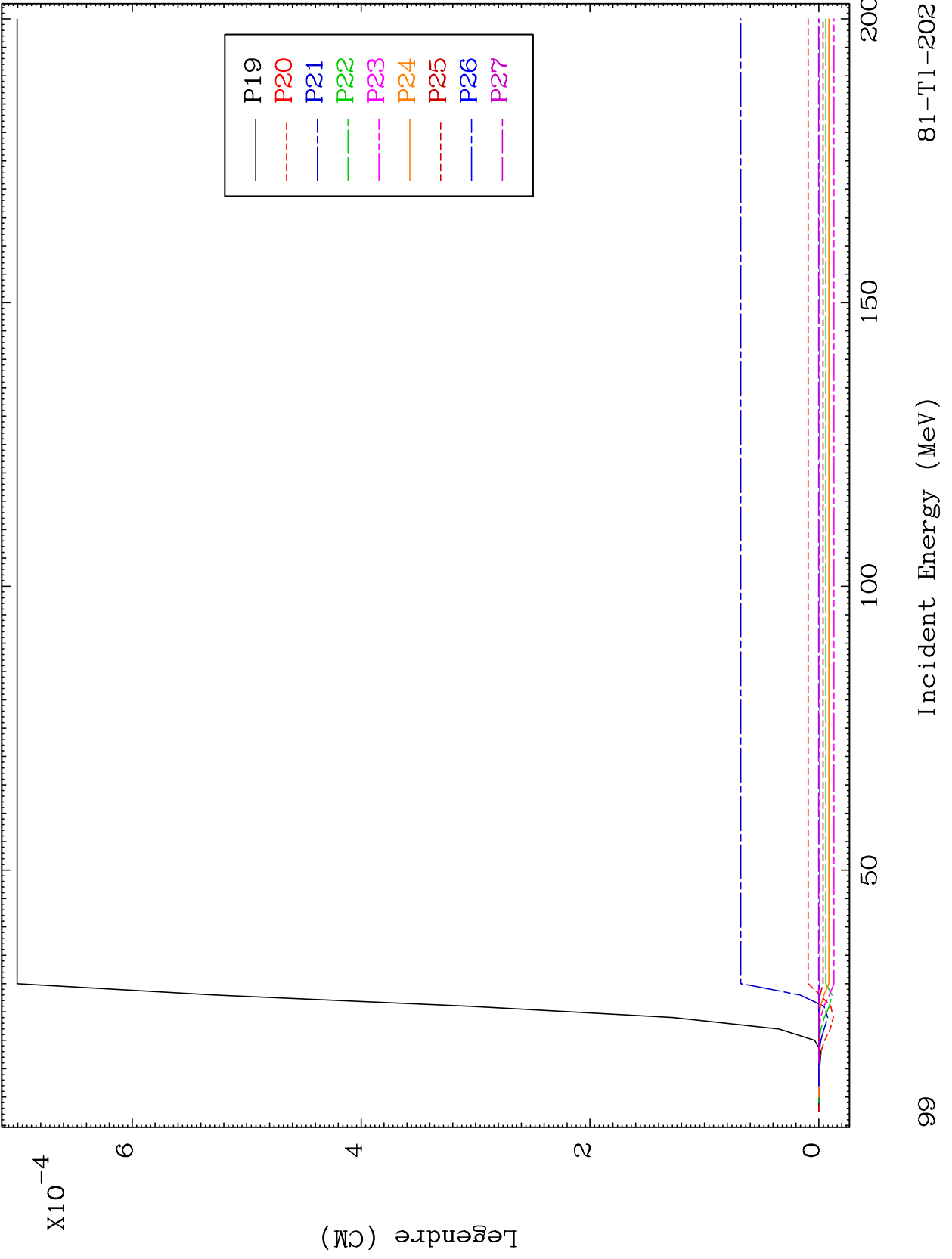
81-T1-202



98

Incident Energy (MeV)

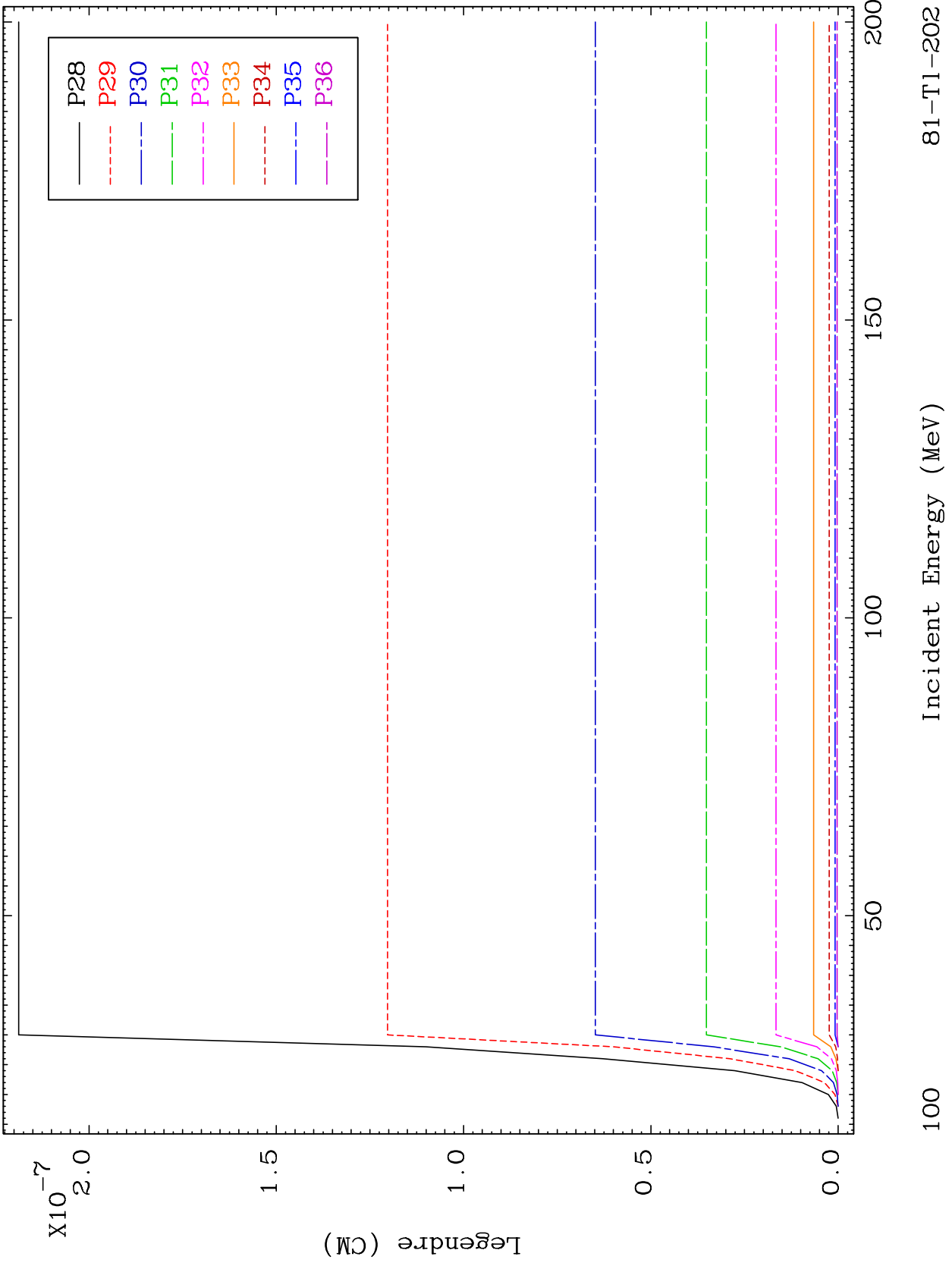
81-T1-202



MAT 8122

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

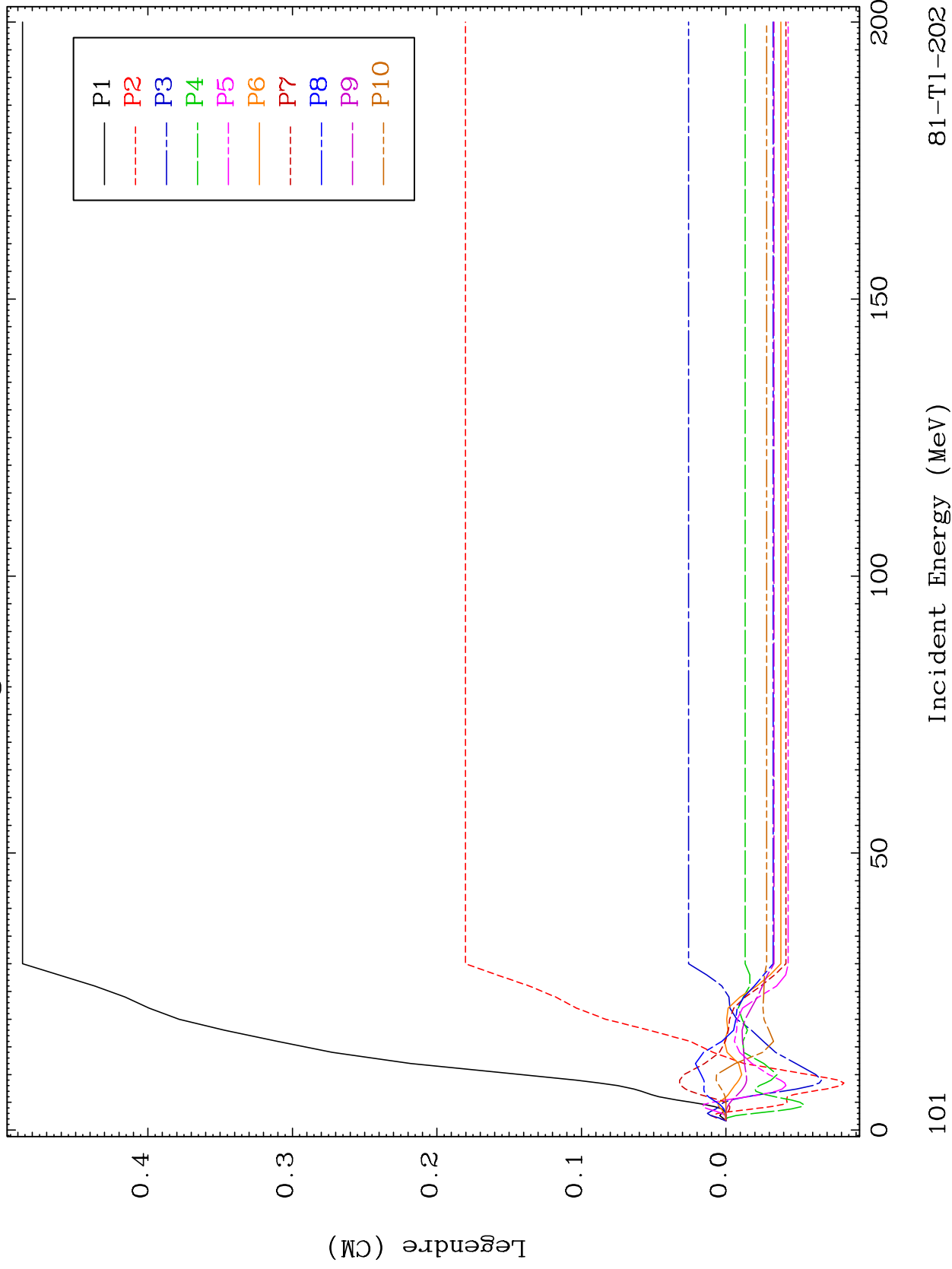
81-T1-202



MAT 8122

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

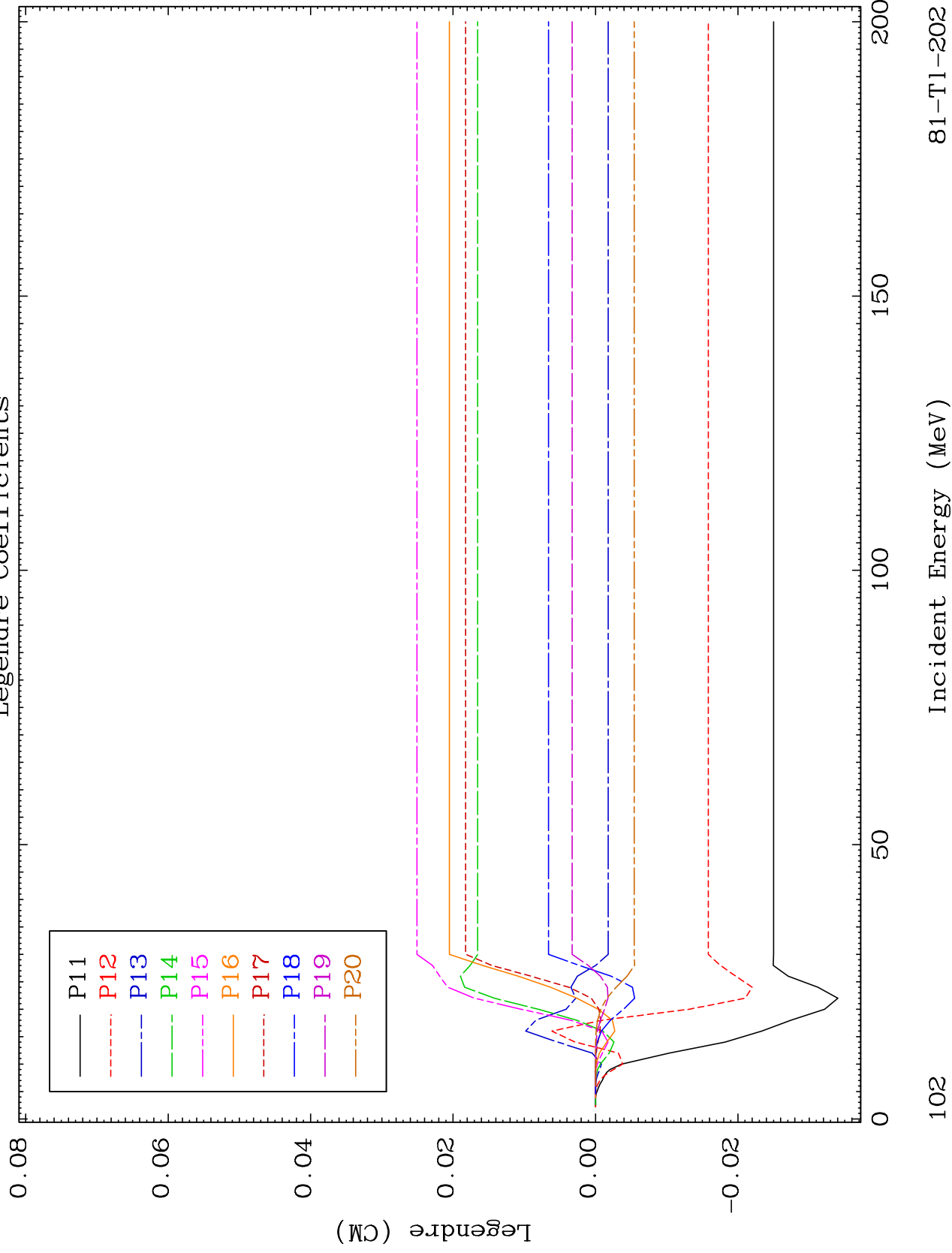
81-T1-202



MAT 8122

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

81-T1-202



81-T1-202

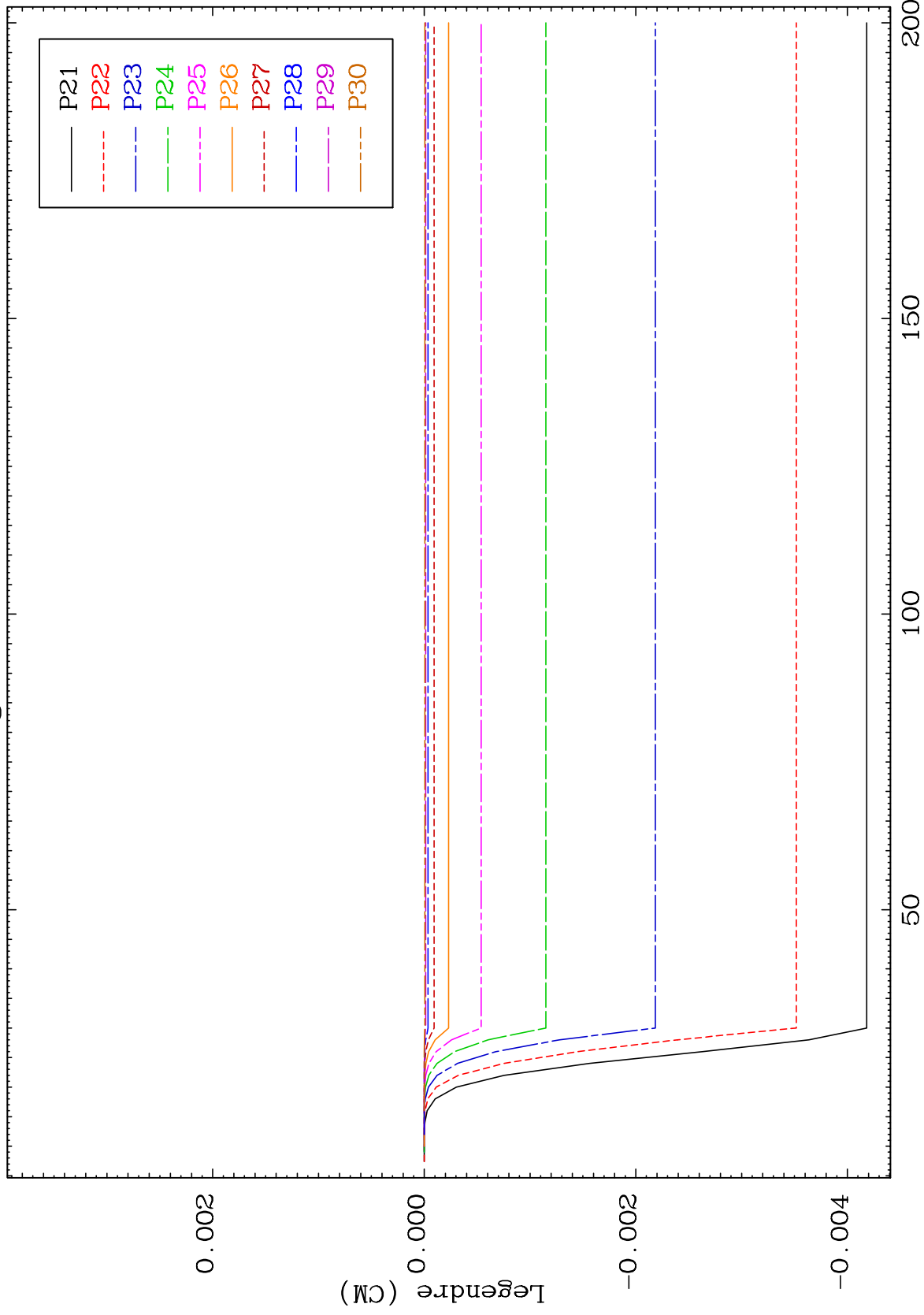
Incident Energy (MeV)

102

MAT 8122

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

81-T1-202

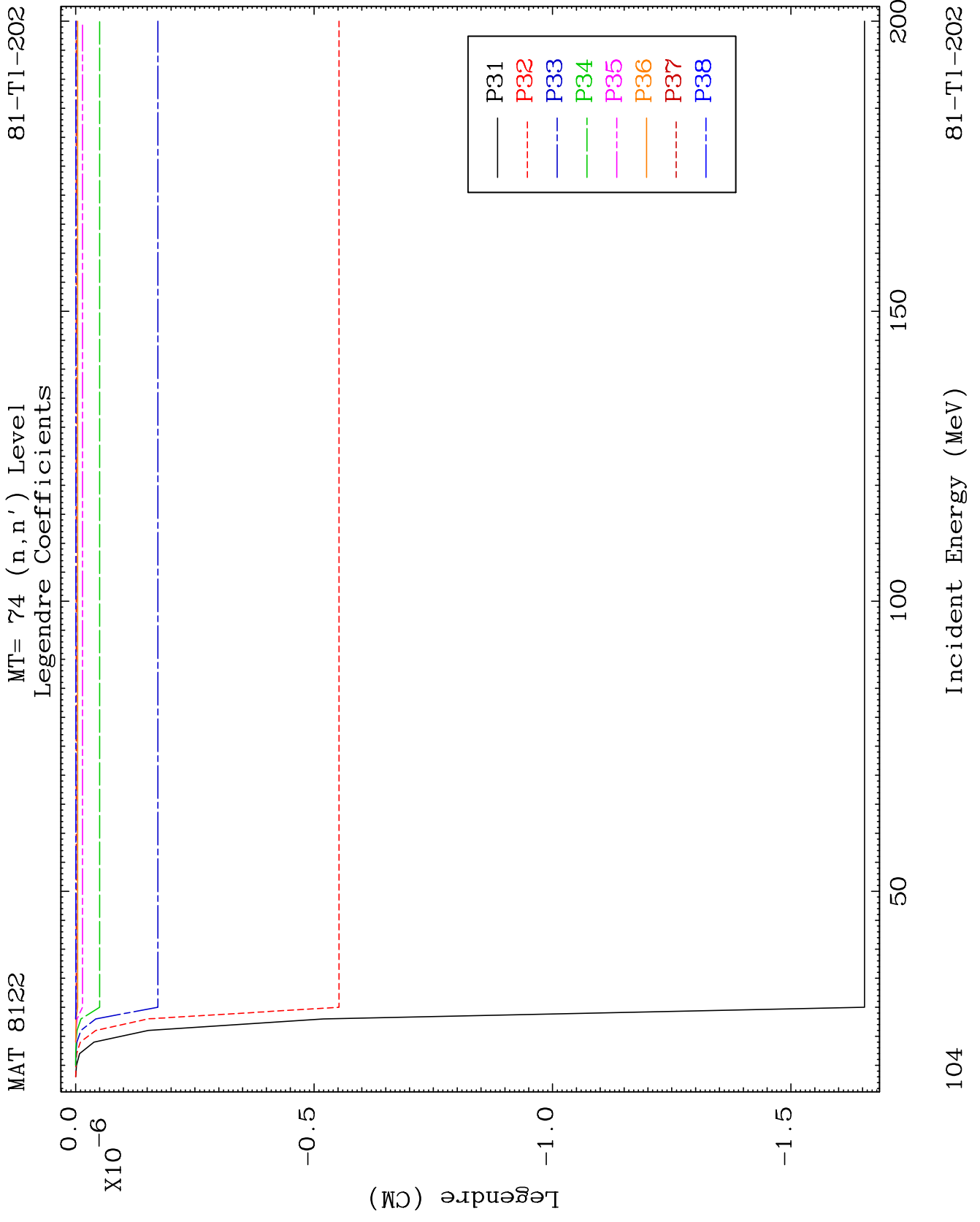


103

Incident Energy (MeV)

81-T1-202

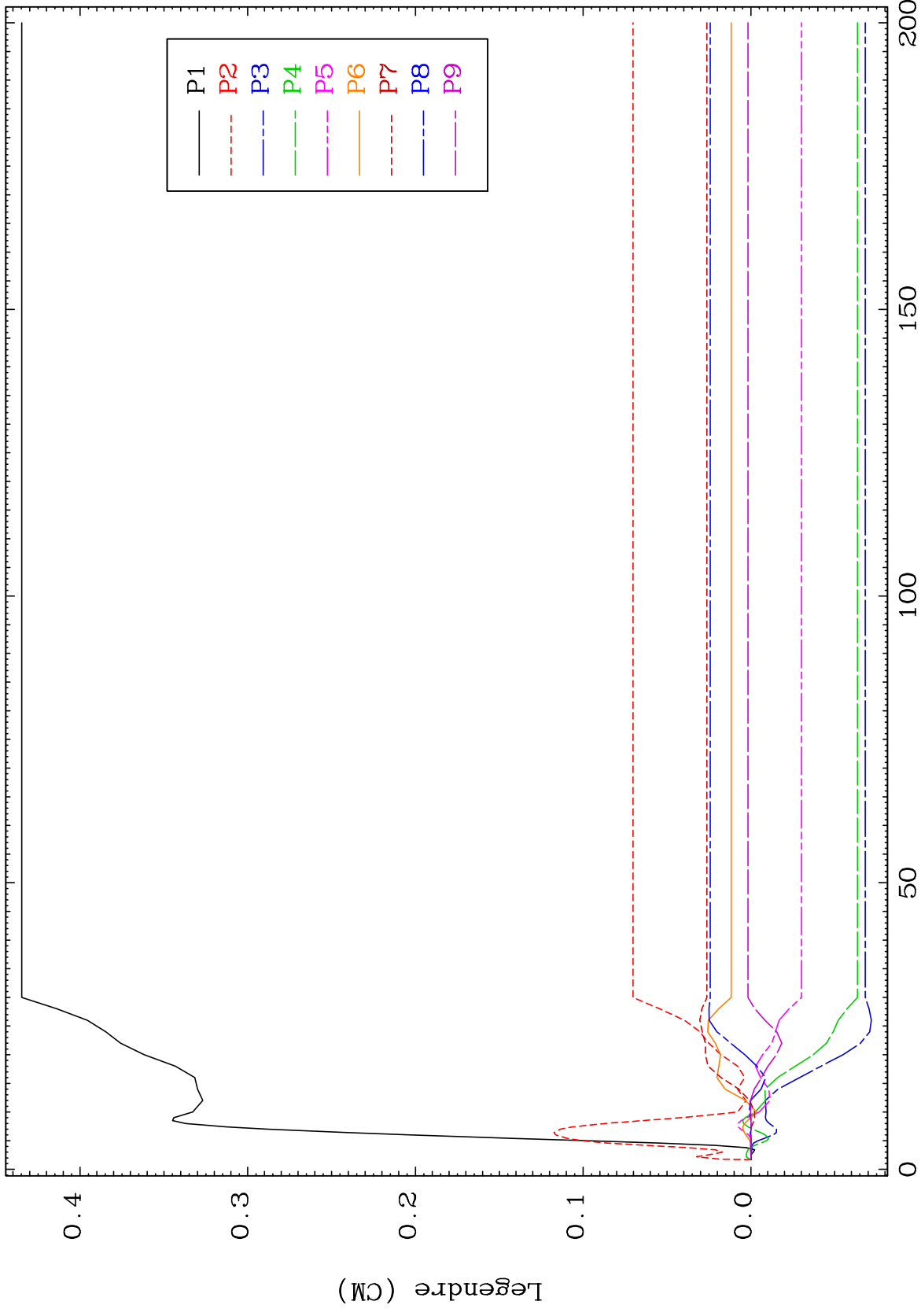




MAT 8122

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

81-T1-202



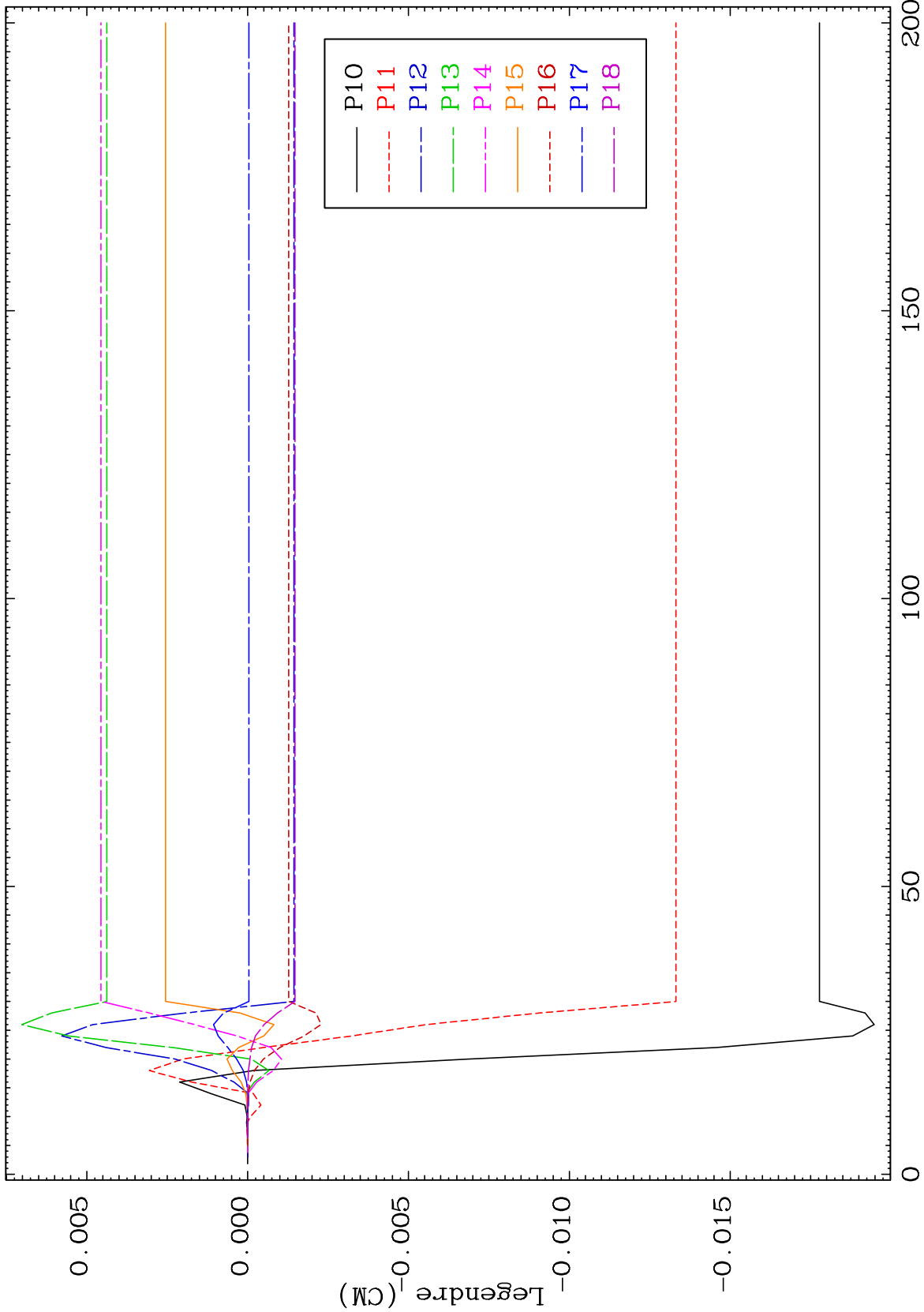
105

81-T1-202

MAT 8122

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

81-T1-202



106

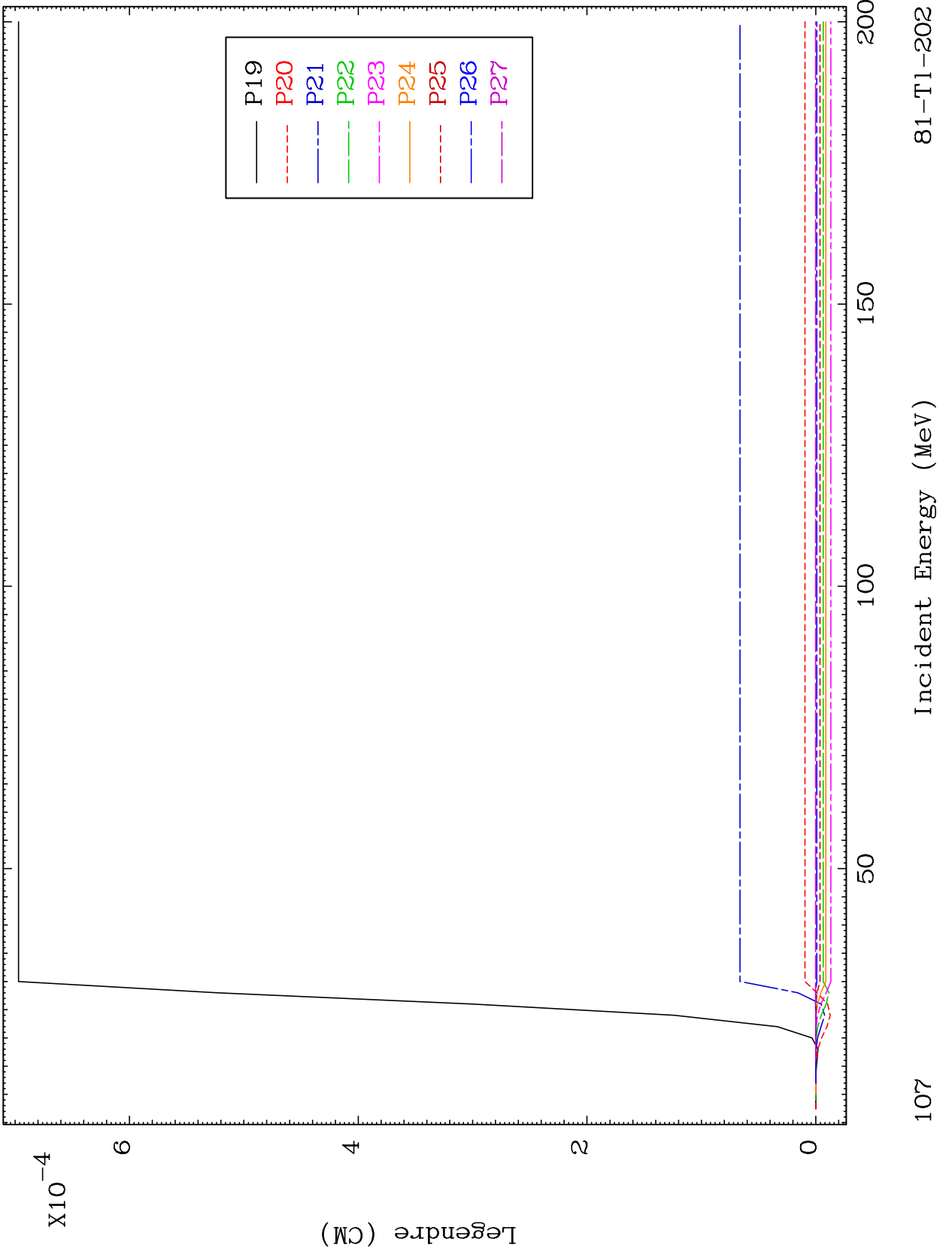
Incident Energy (MeV)

81-T1-202

MAT 8122

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

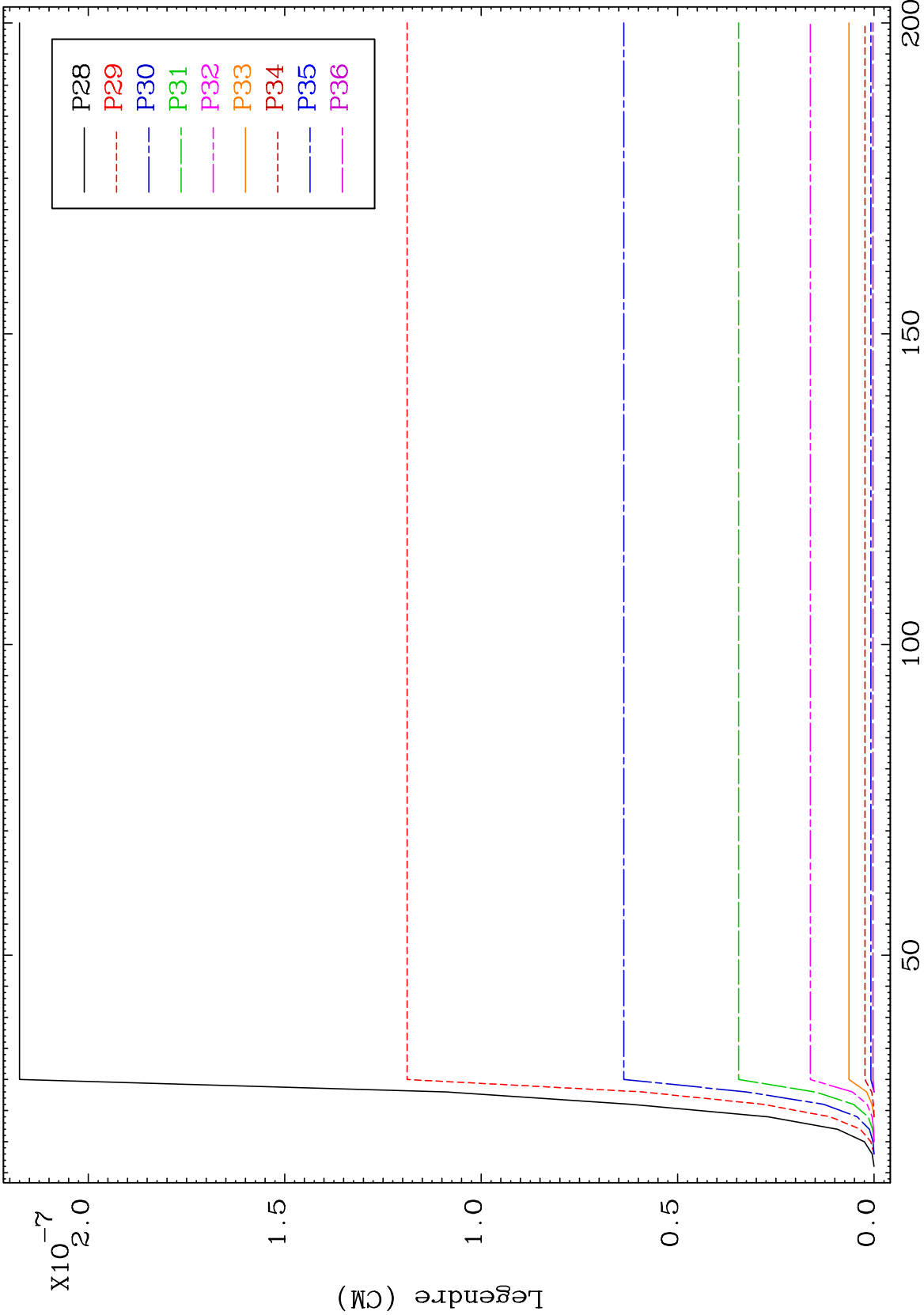
81-T1-202



MAT 8122

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

81-T1-202



108

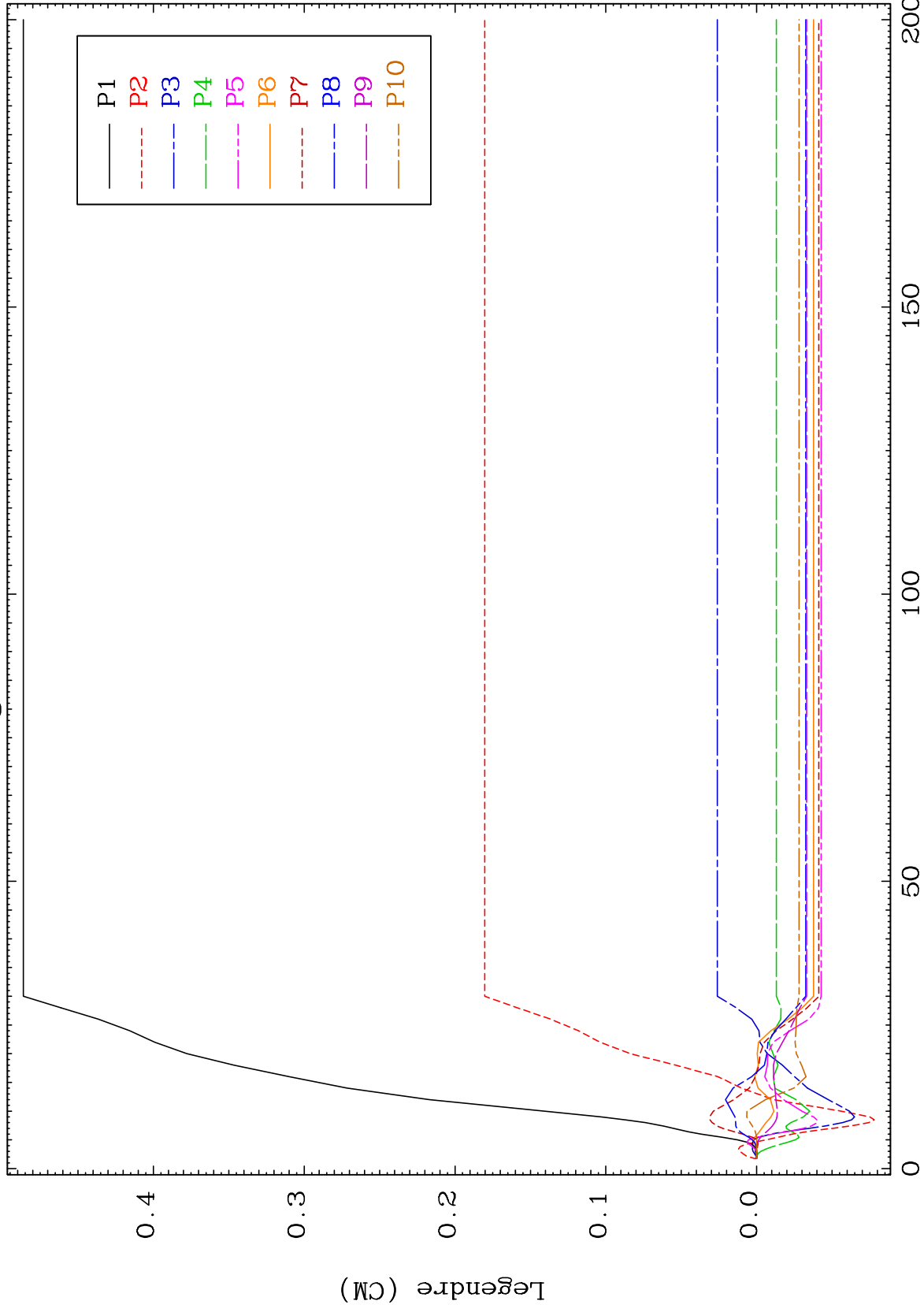
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



81-T1-202

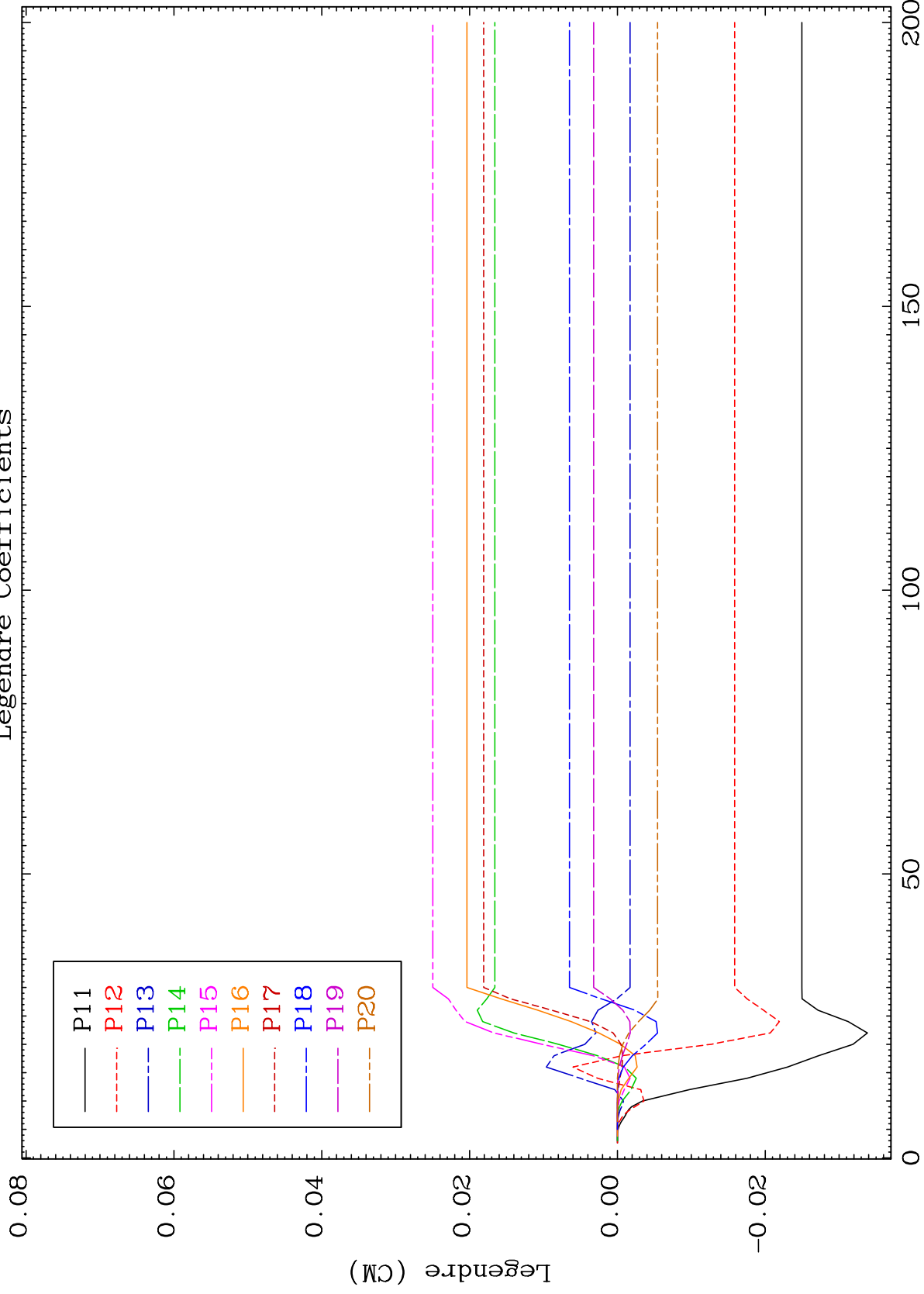
Incident Energy (MeV)

109

MAT 8122

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

81-T1-202



110

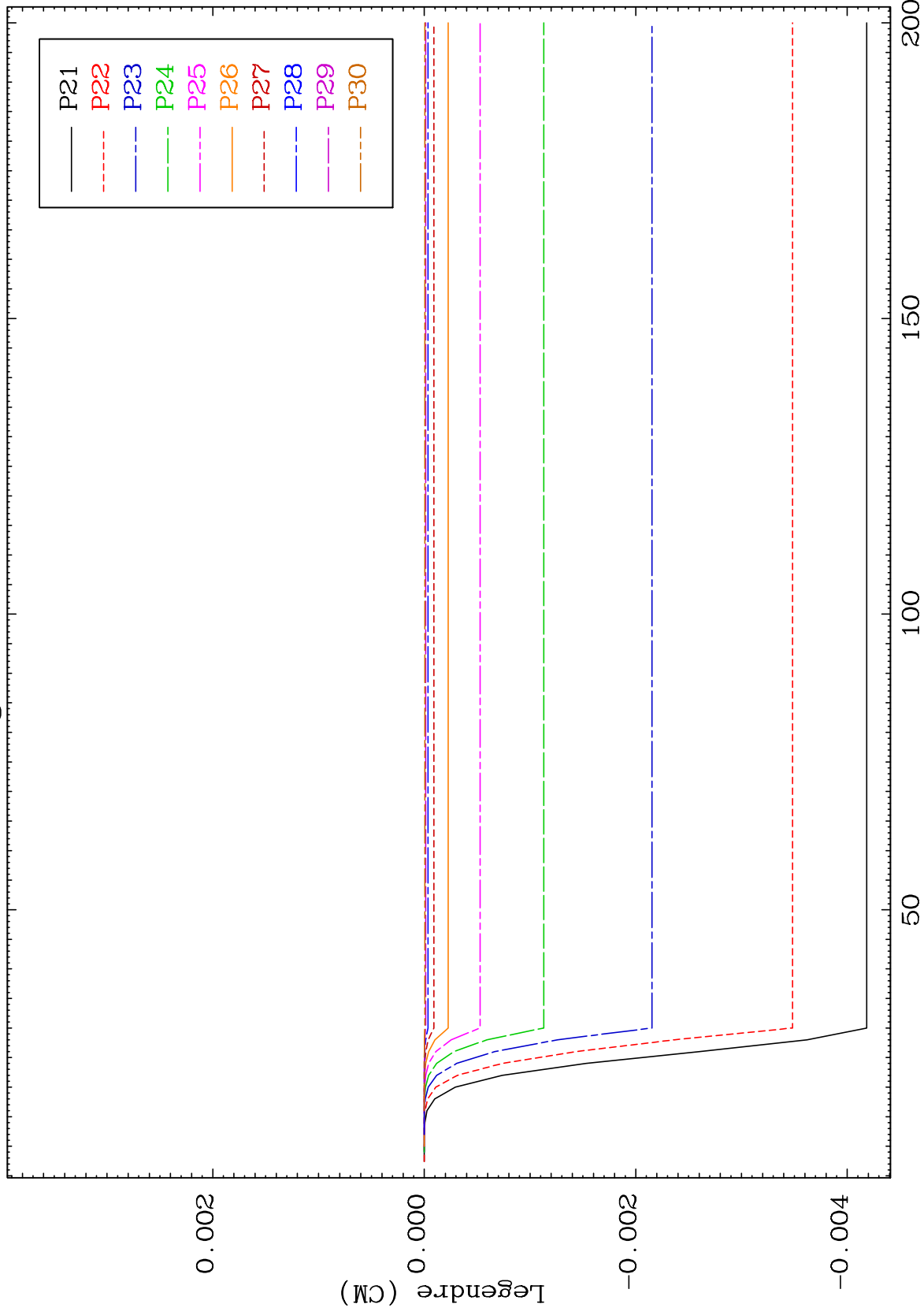
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202

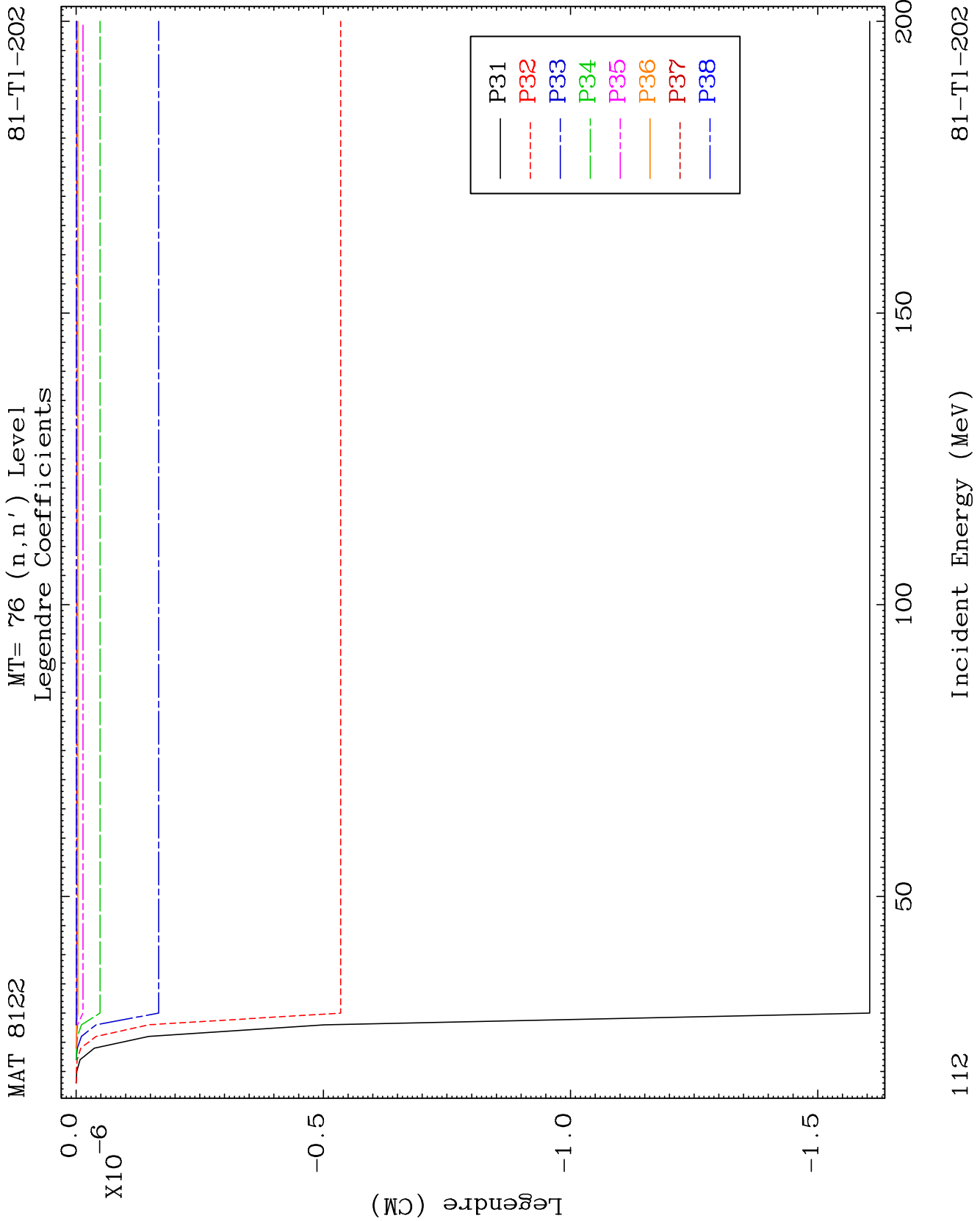


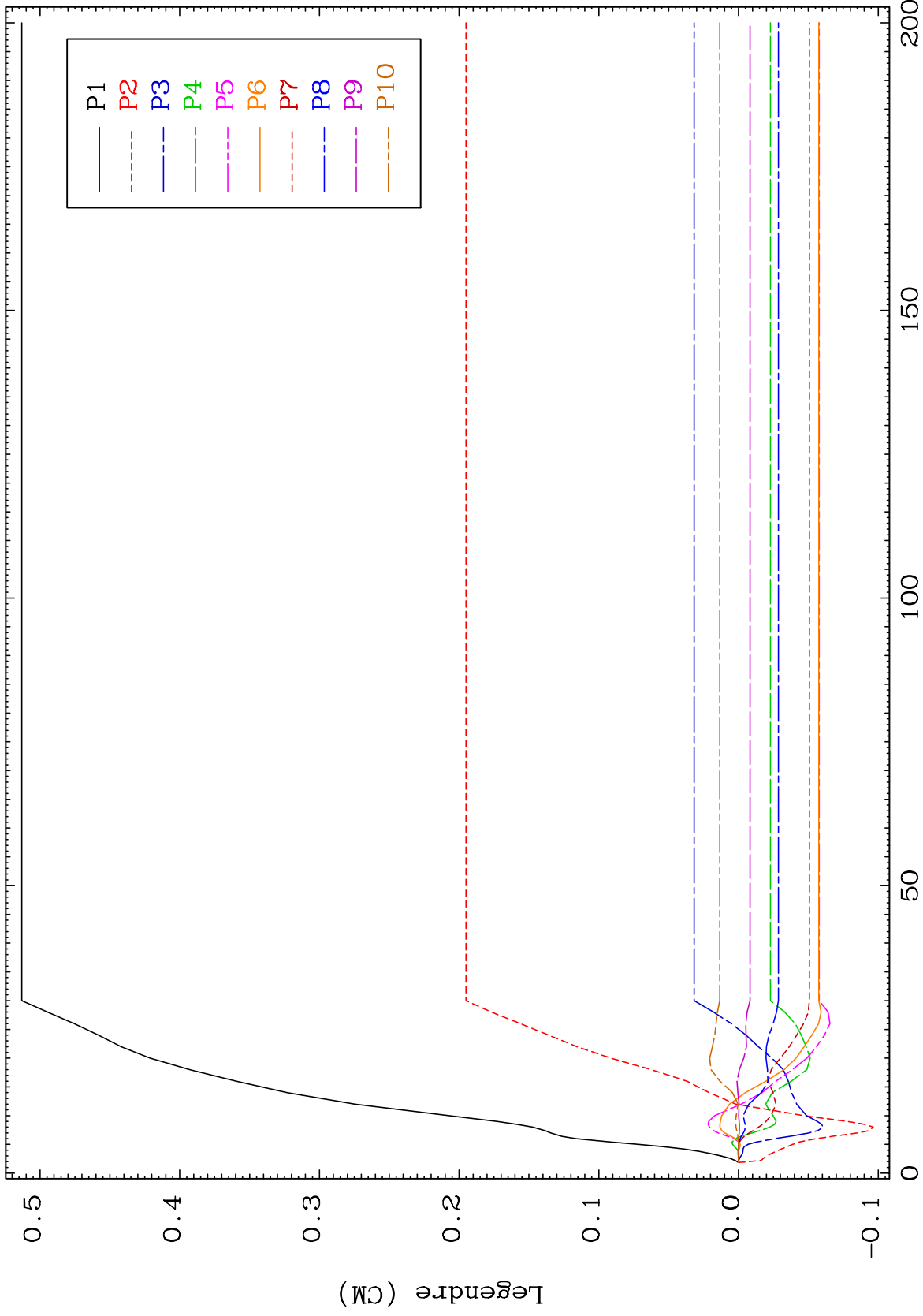
111

Incident Energy (MeV)

81-T1-202



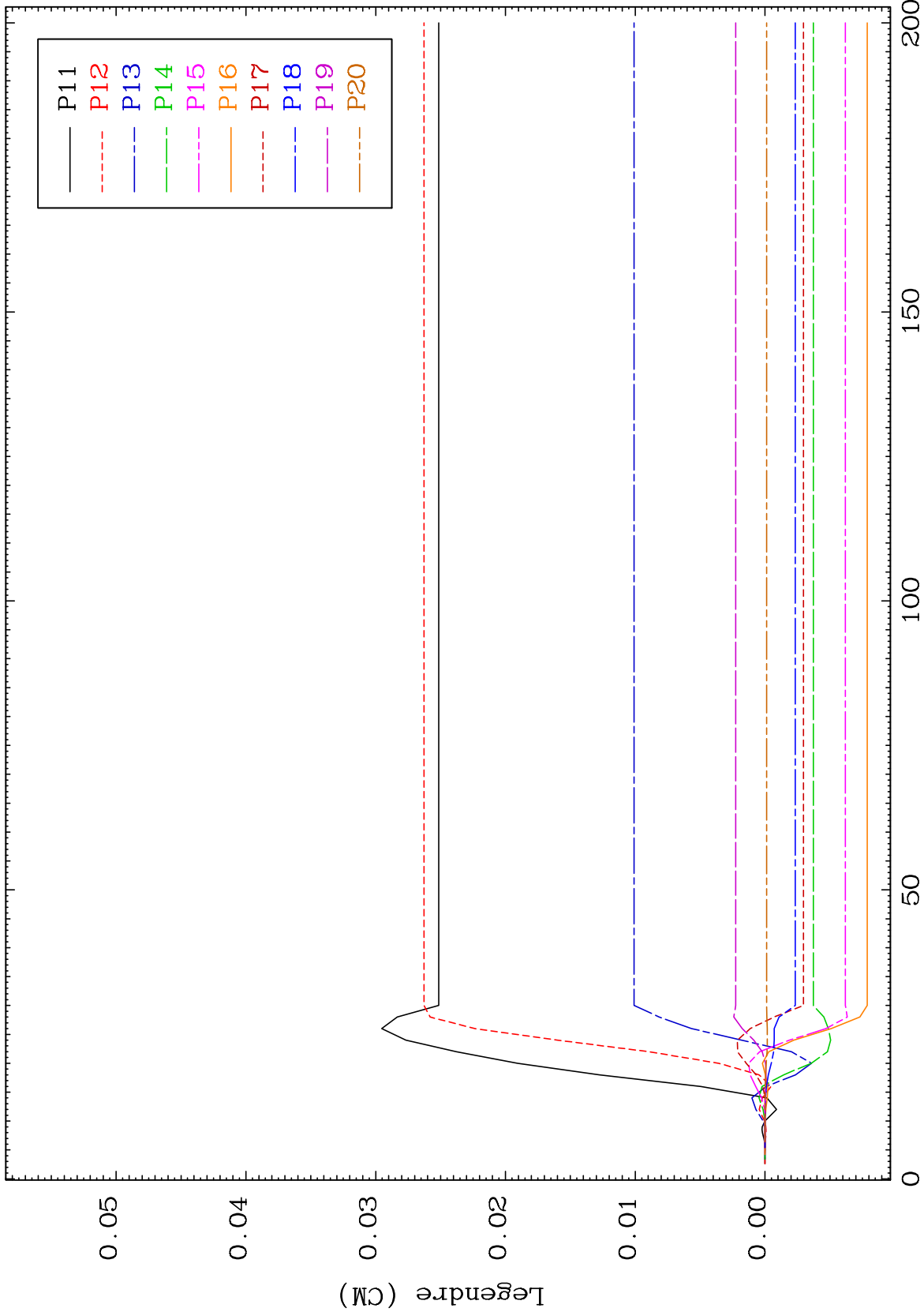




MAT 8122

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

81-T1-202



114

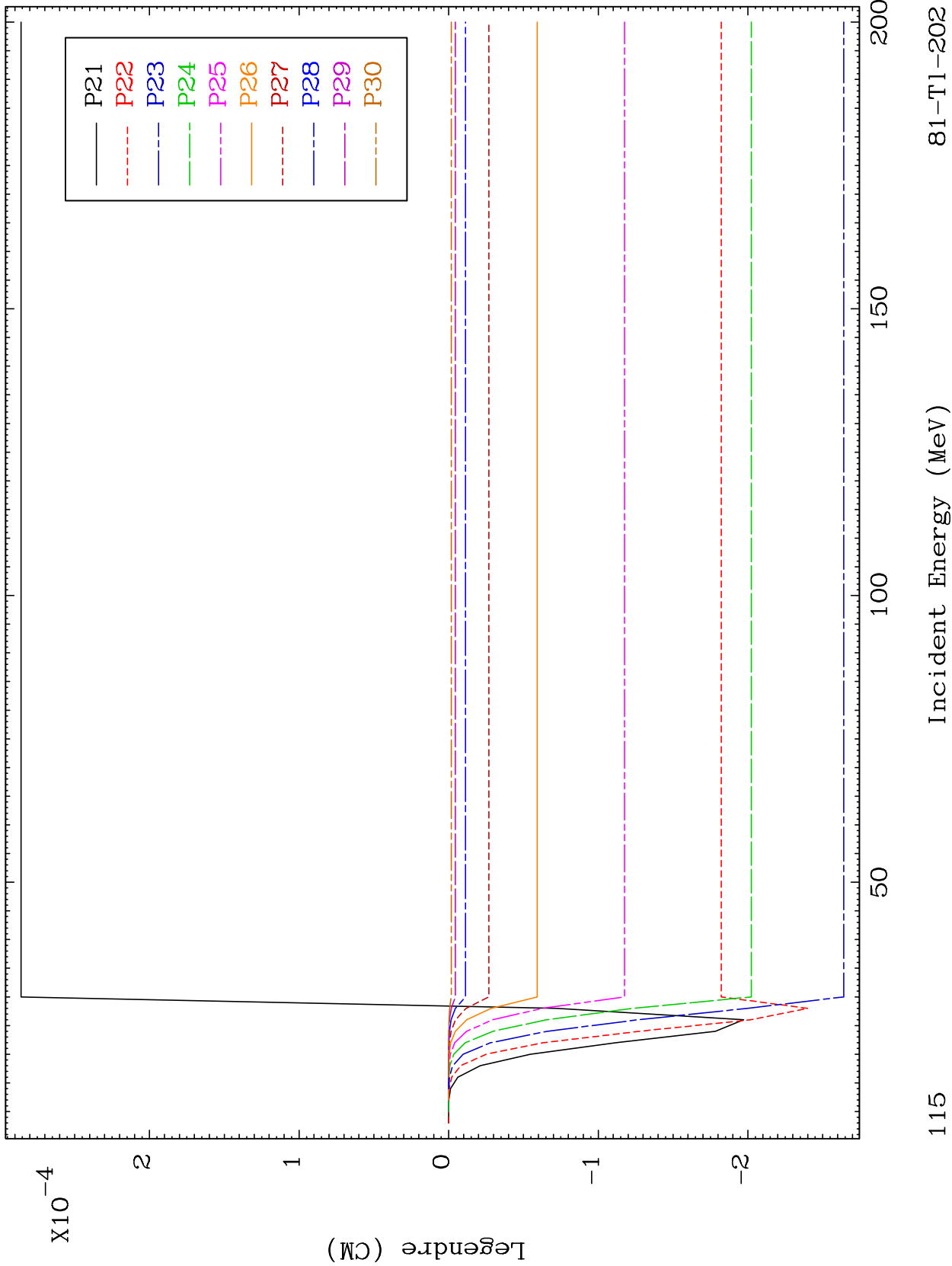
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



115

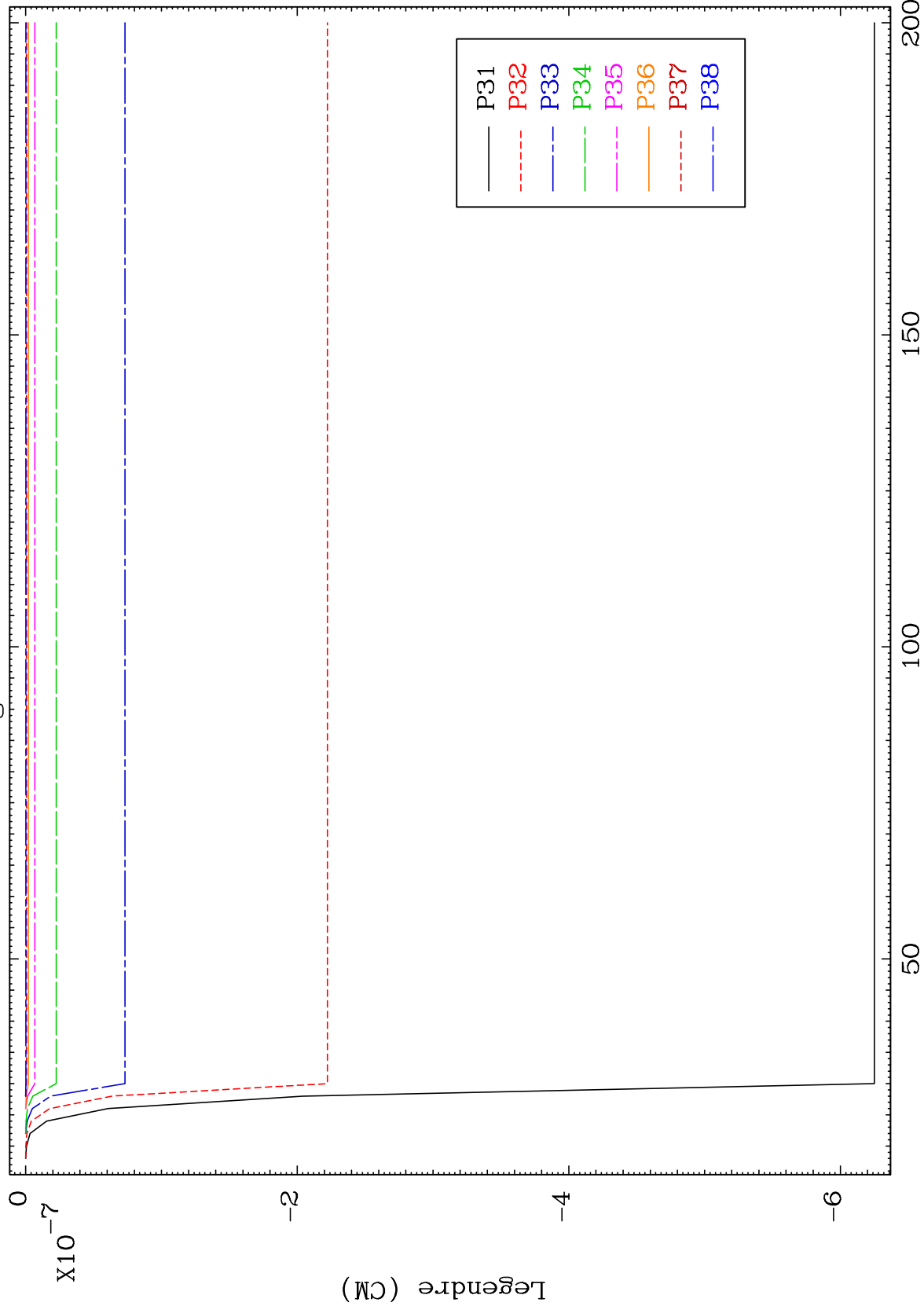
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



116

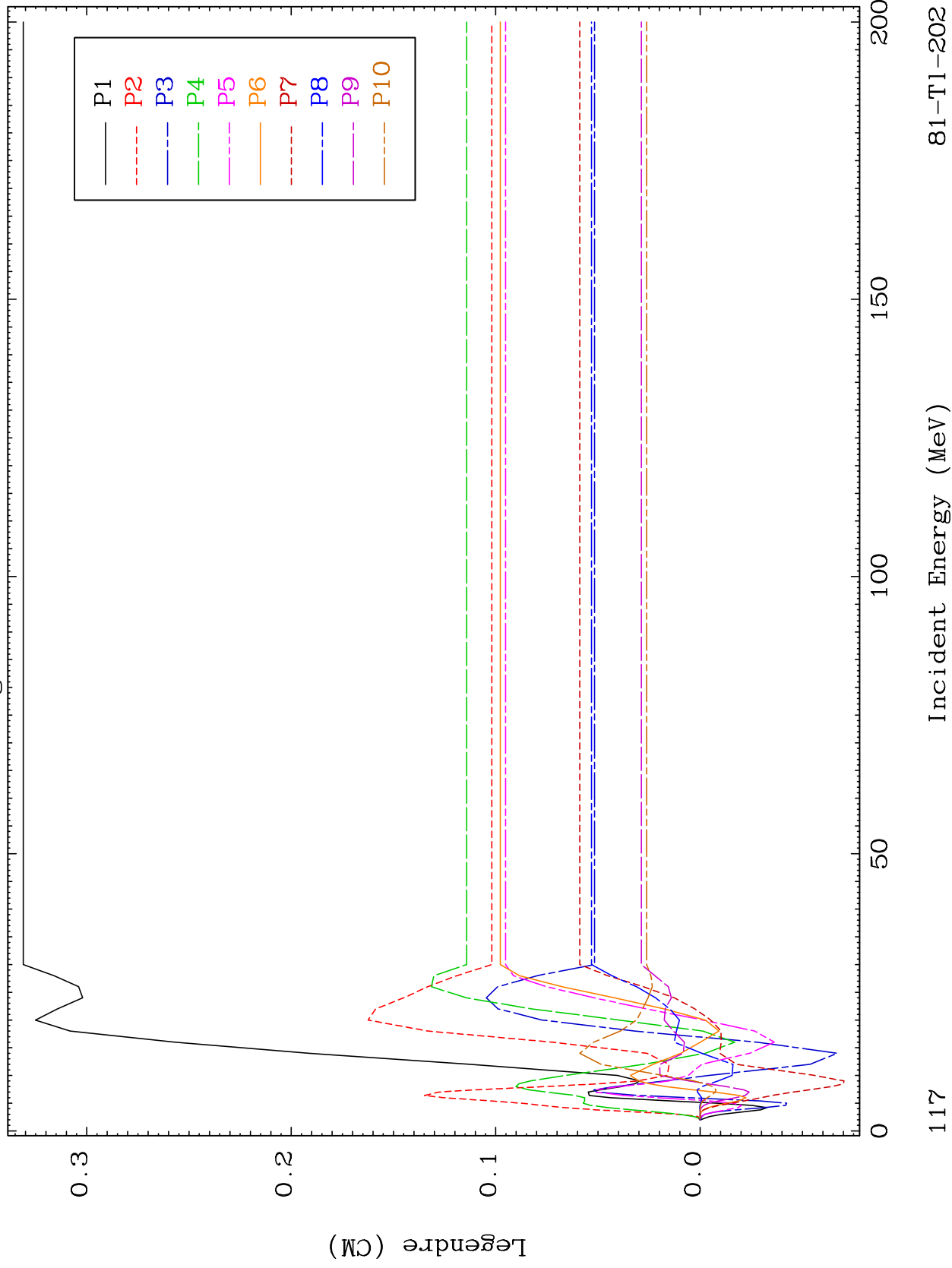
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



117

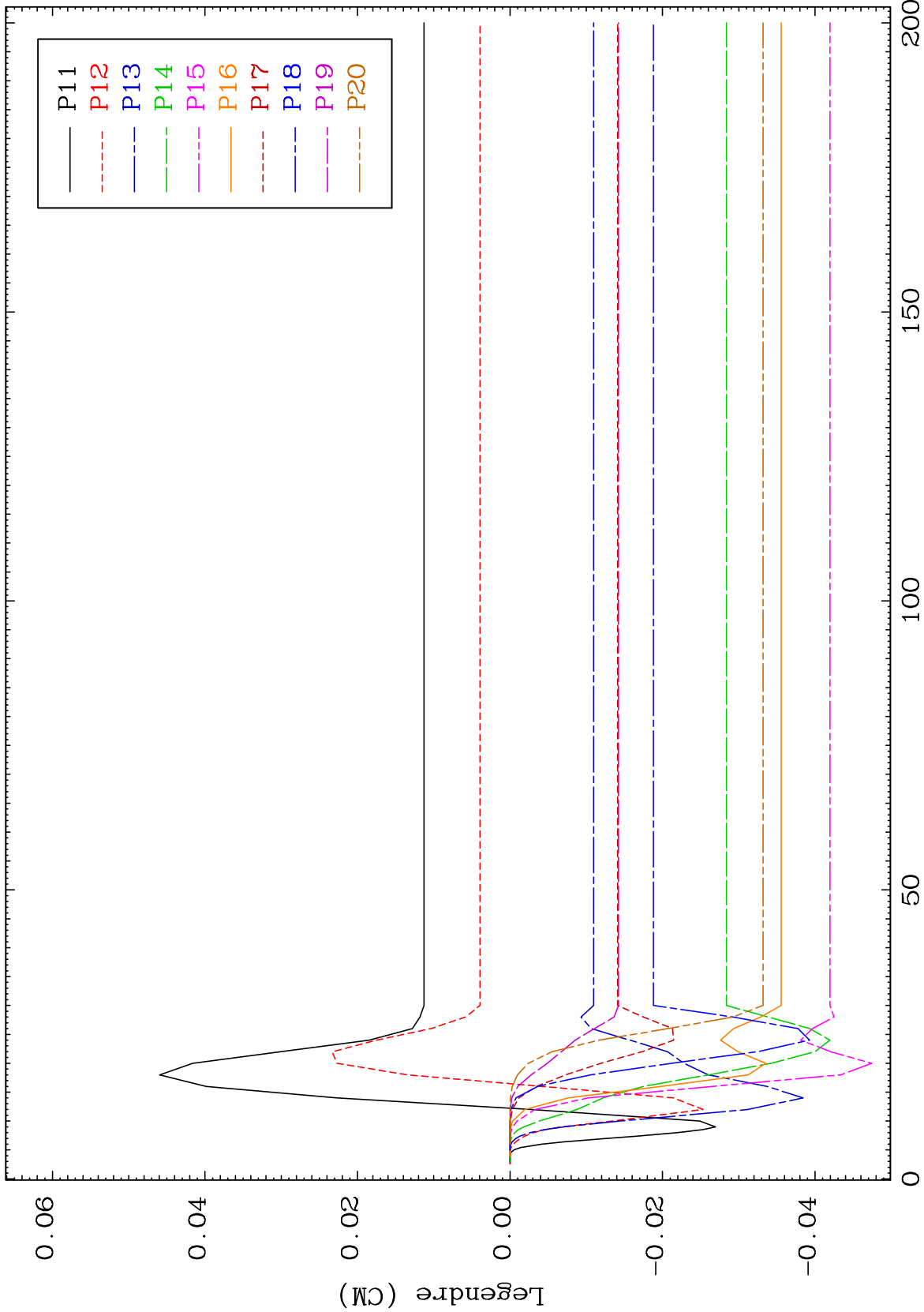
Incident Energy (MeV)

81-T1-202

MAT 8122

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

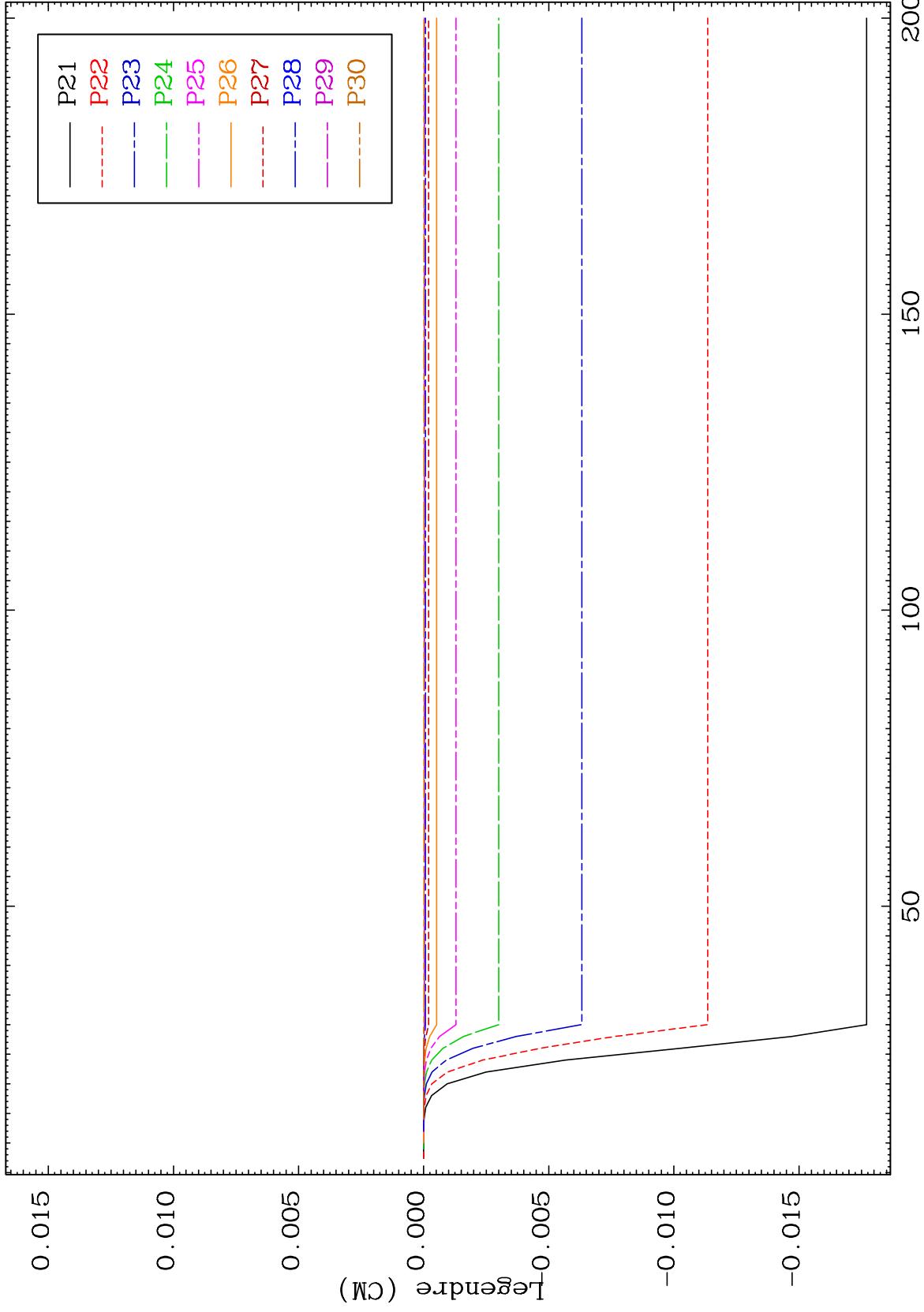
81-T1-202



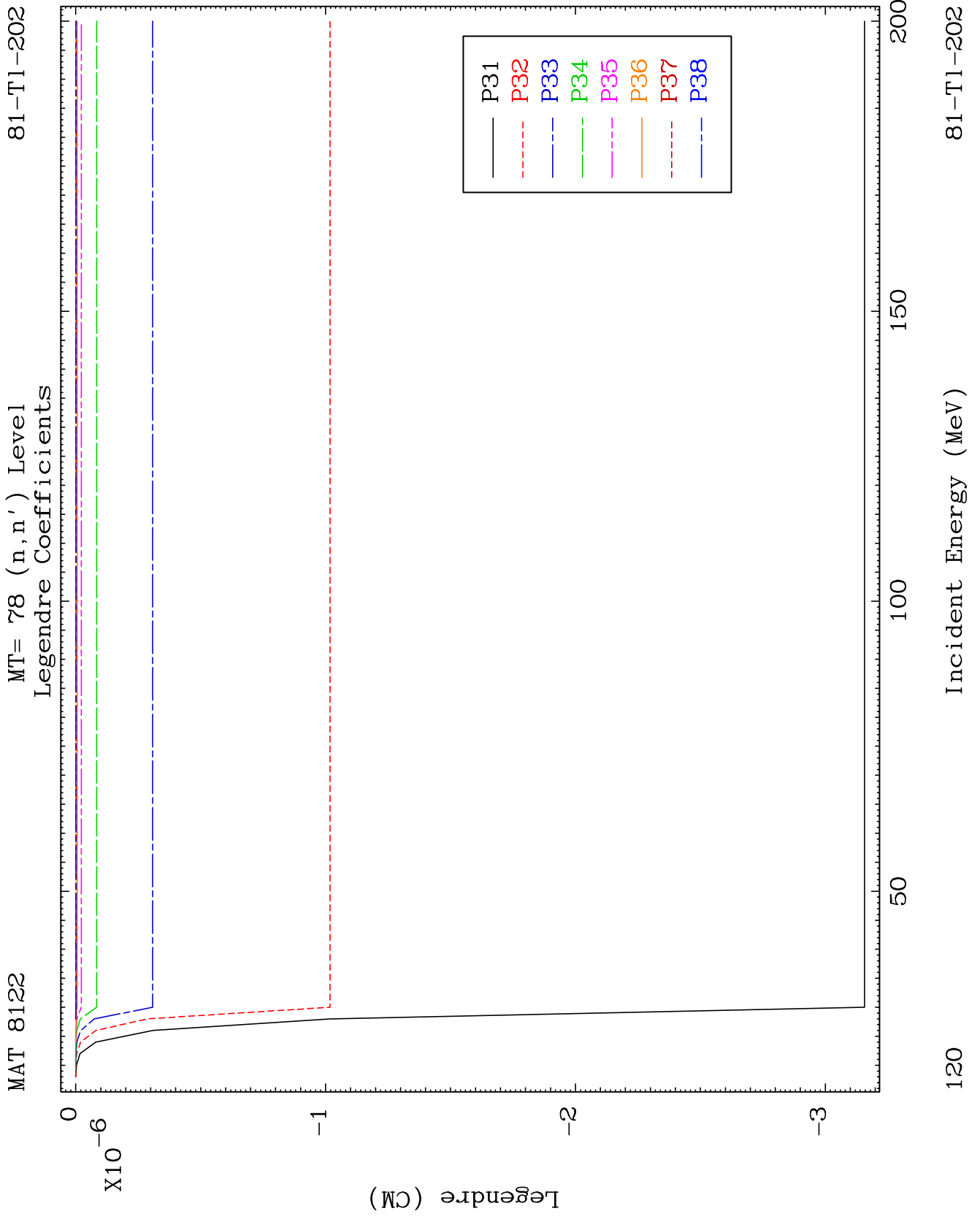
118

Incident Energy (MeV)

81-T1-202

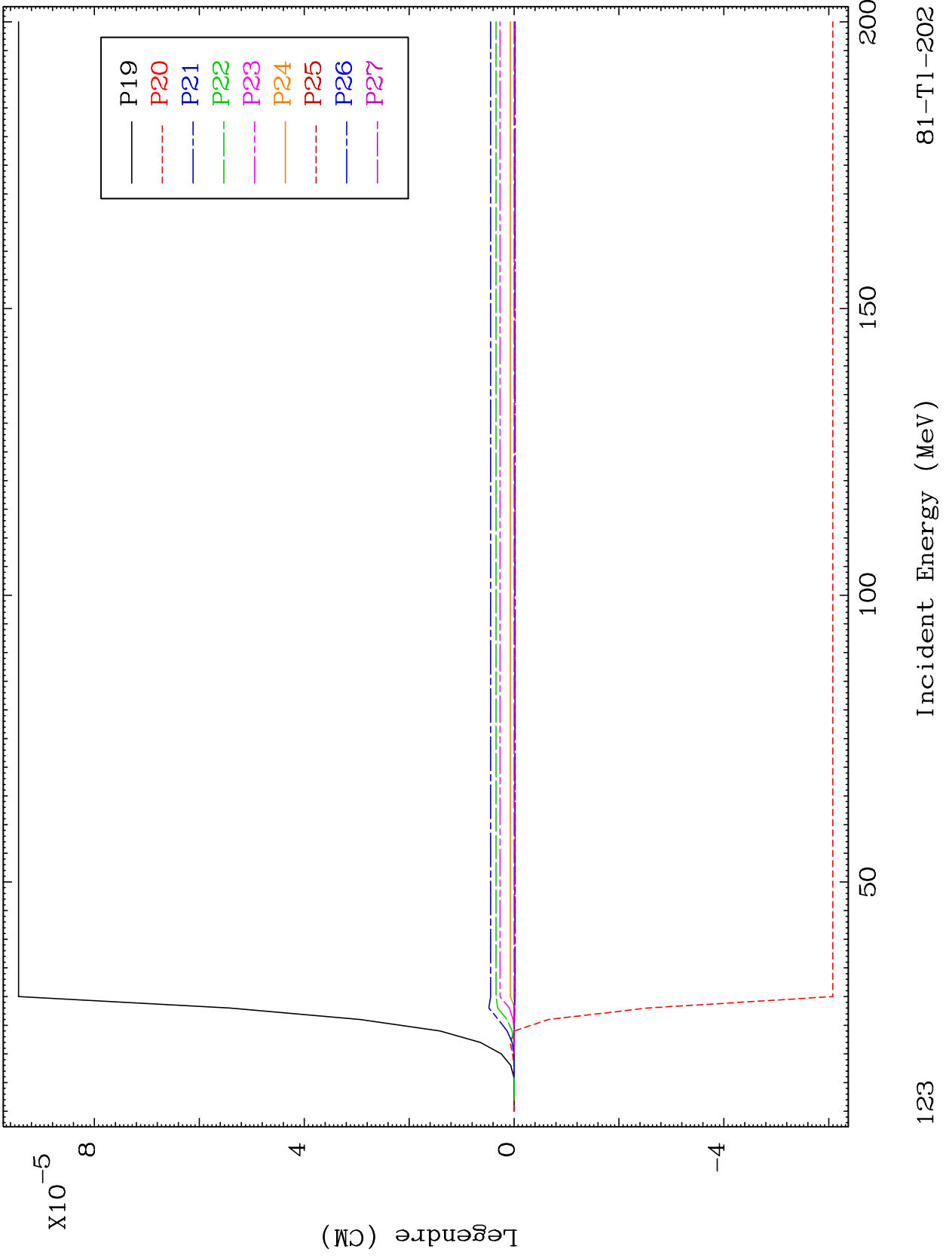








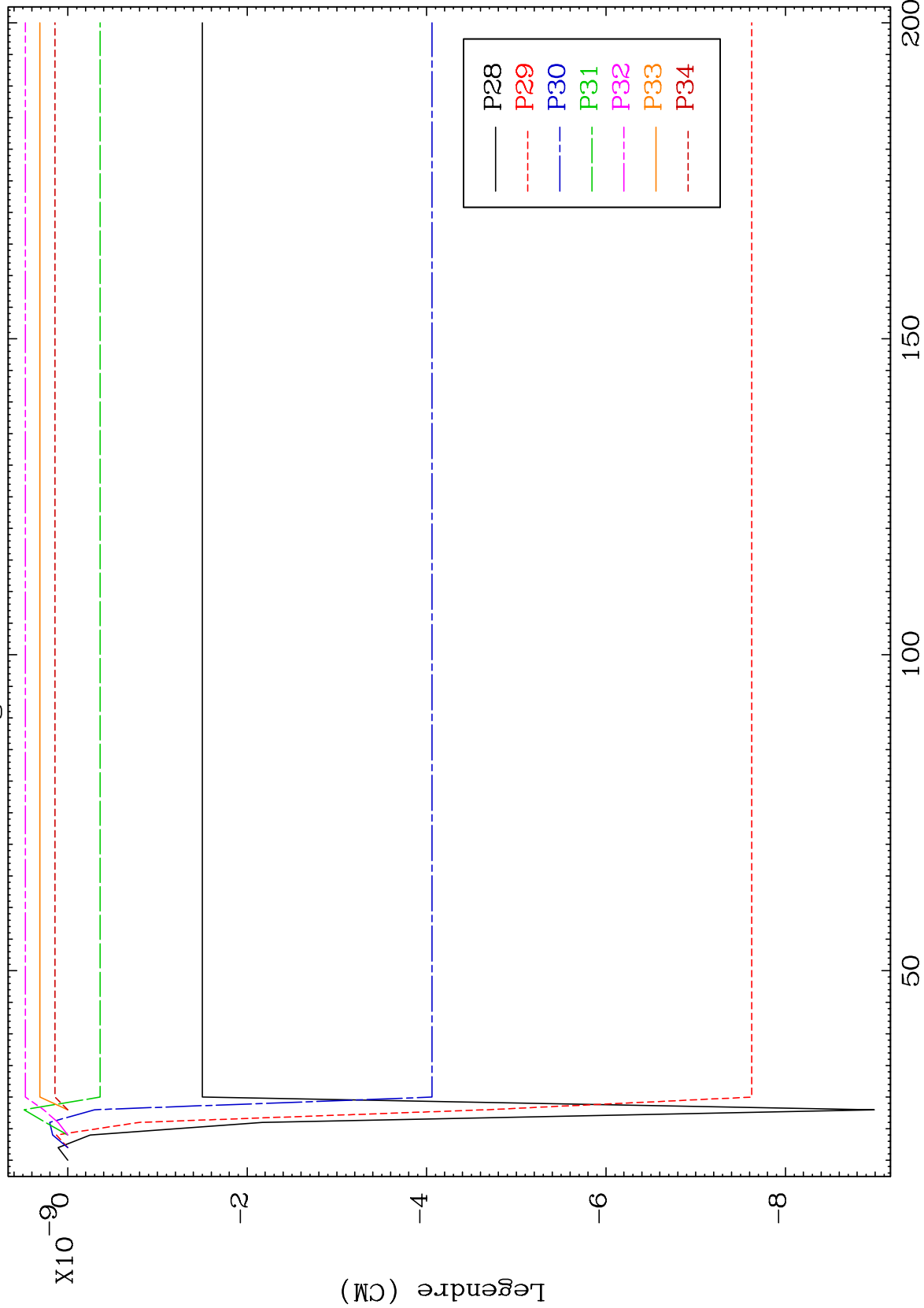




MAT 8122

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

81-T1-202



124

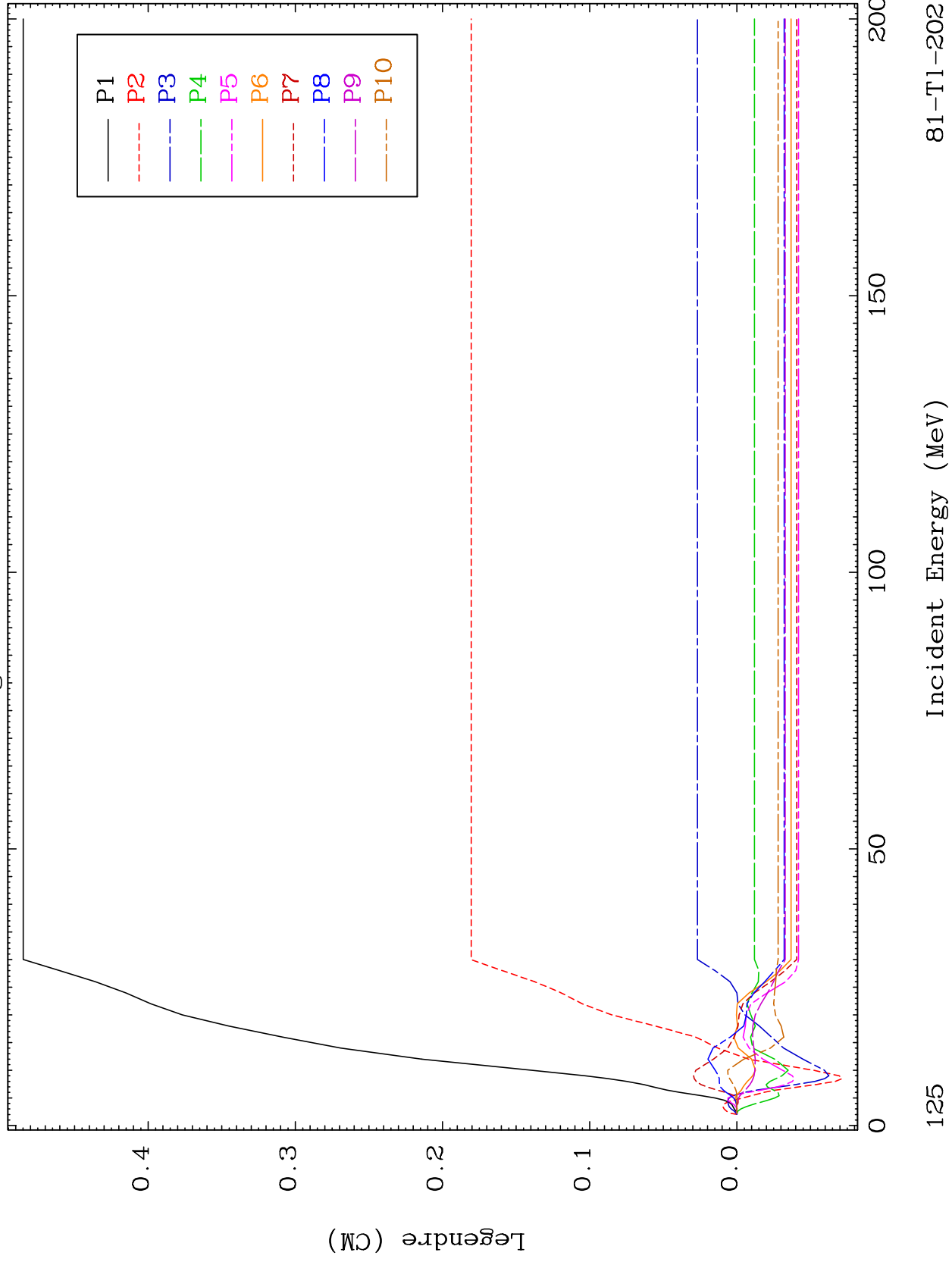
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



81-T1-202

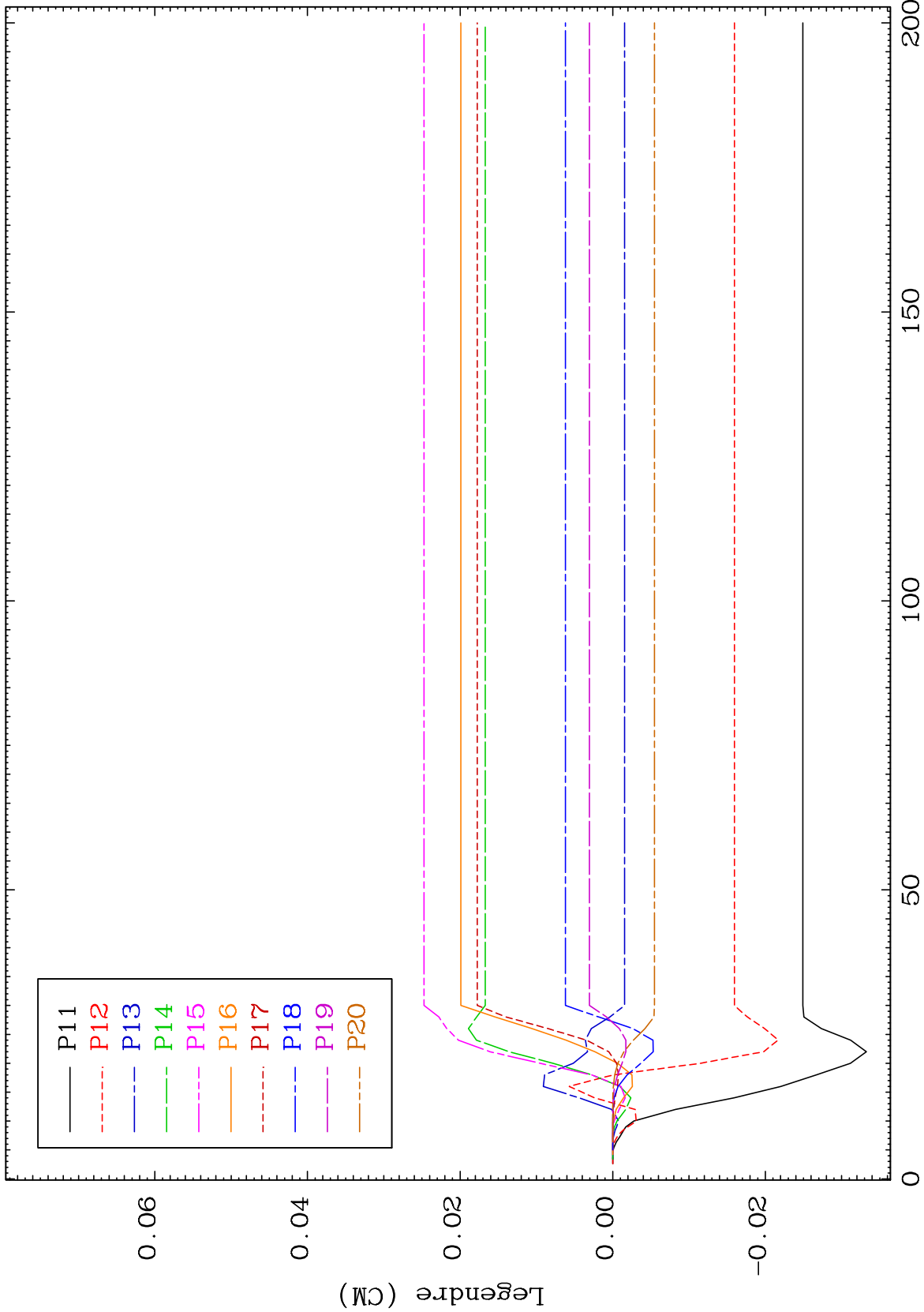
Incident Energy (MeV)

125

MAT 8122

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

81-T1-202



126

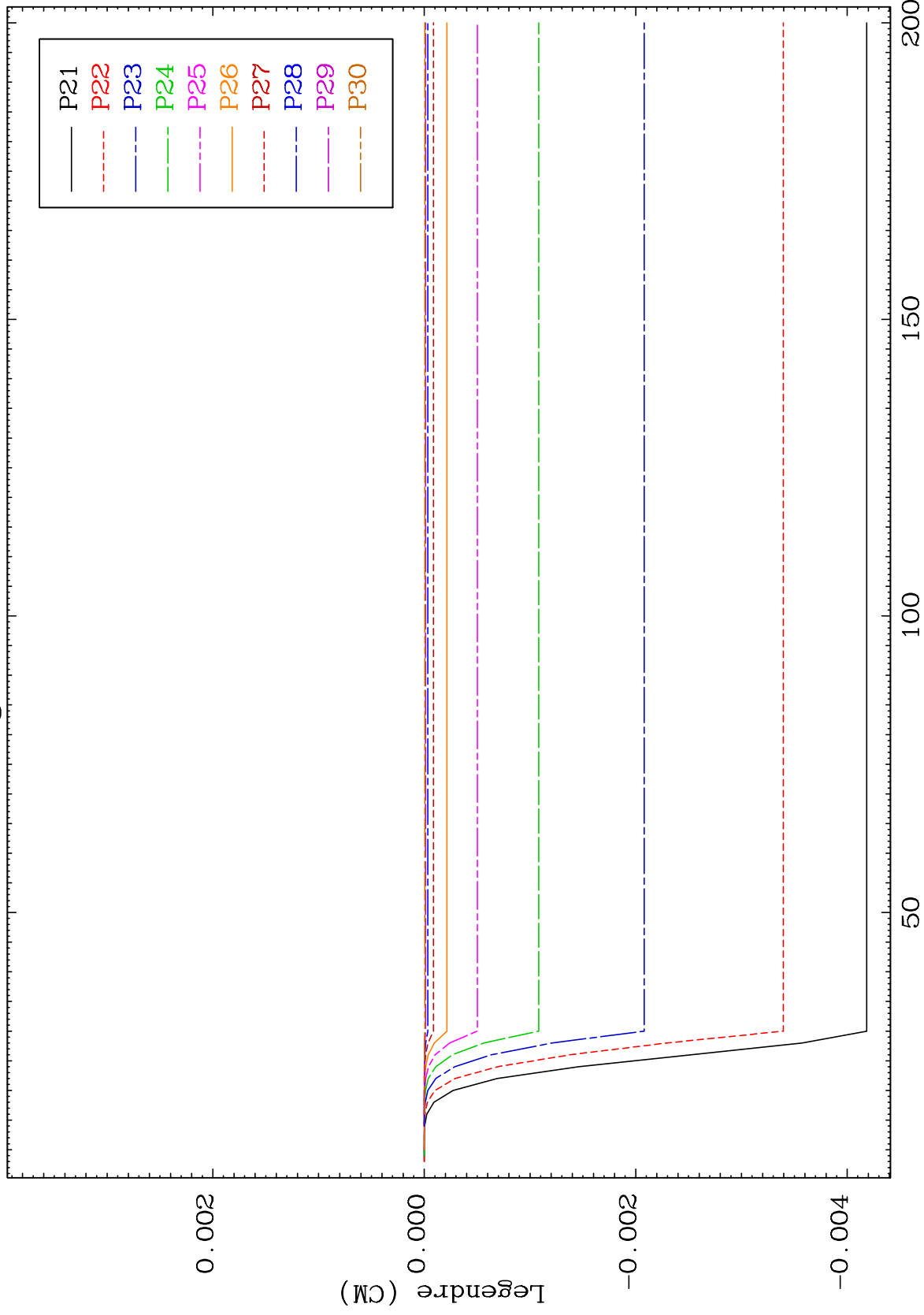
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202

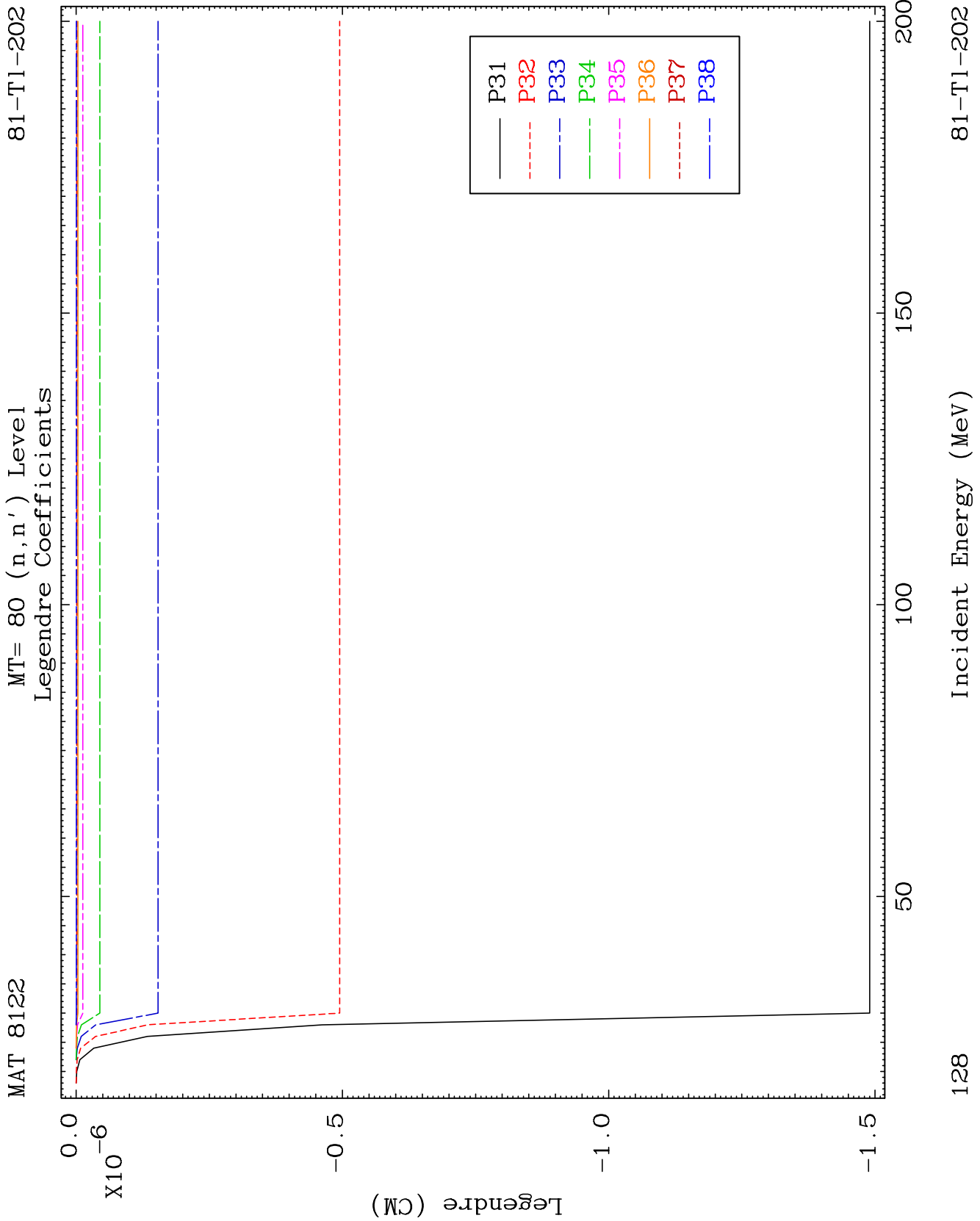


127

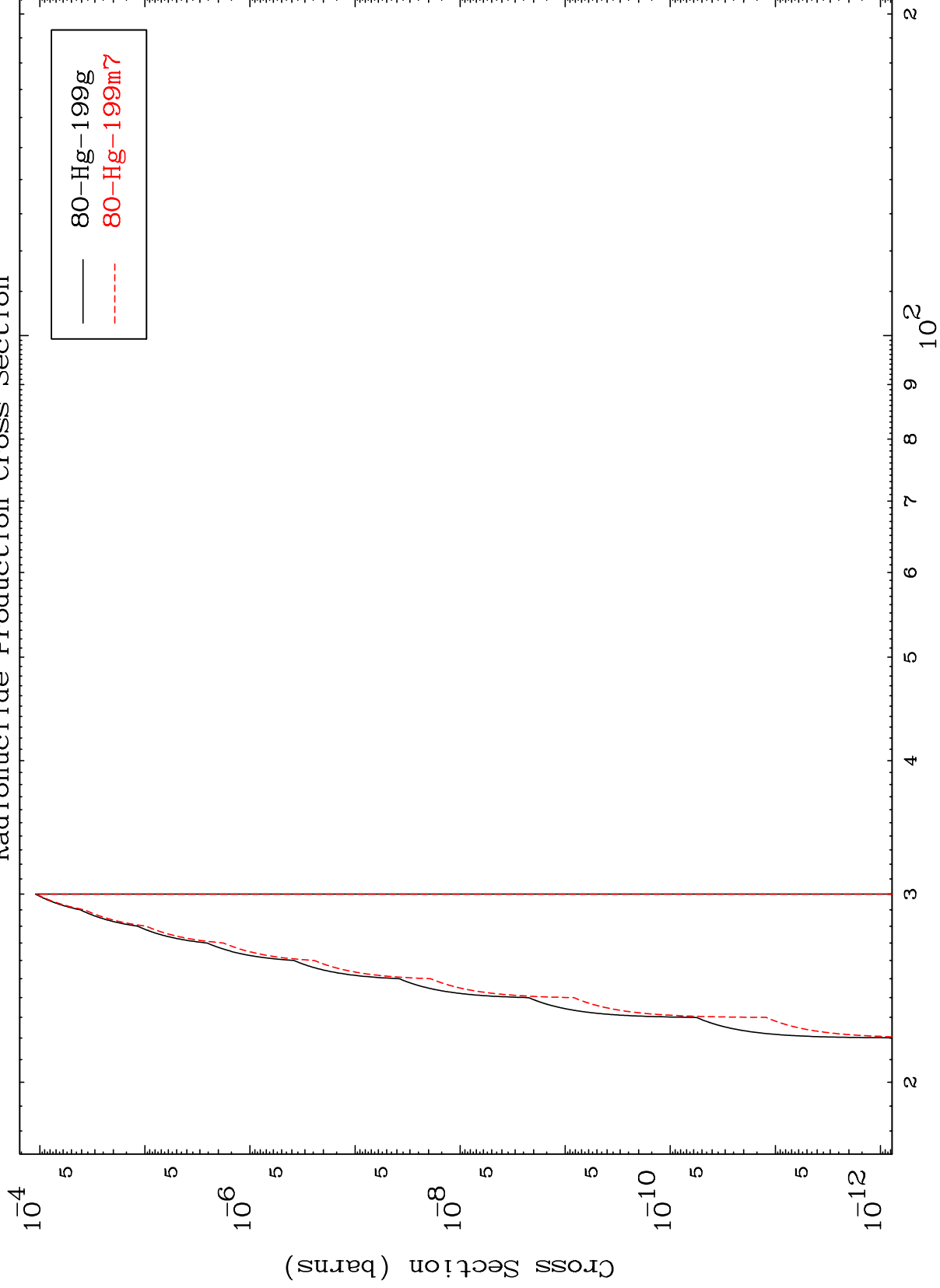
Incident Energy (MeV)

81-T1-202





Radionuclide Production Cross Section

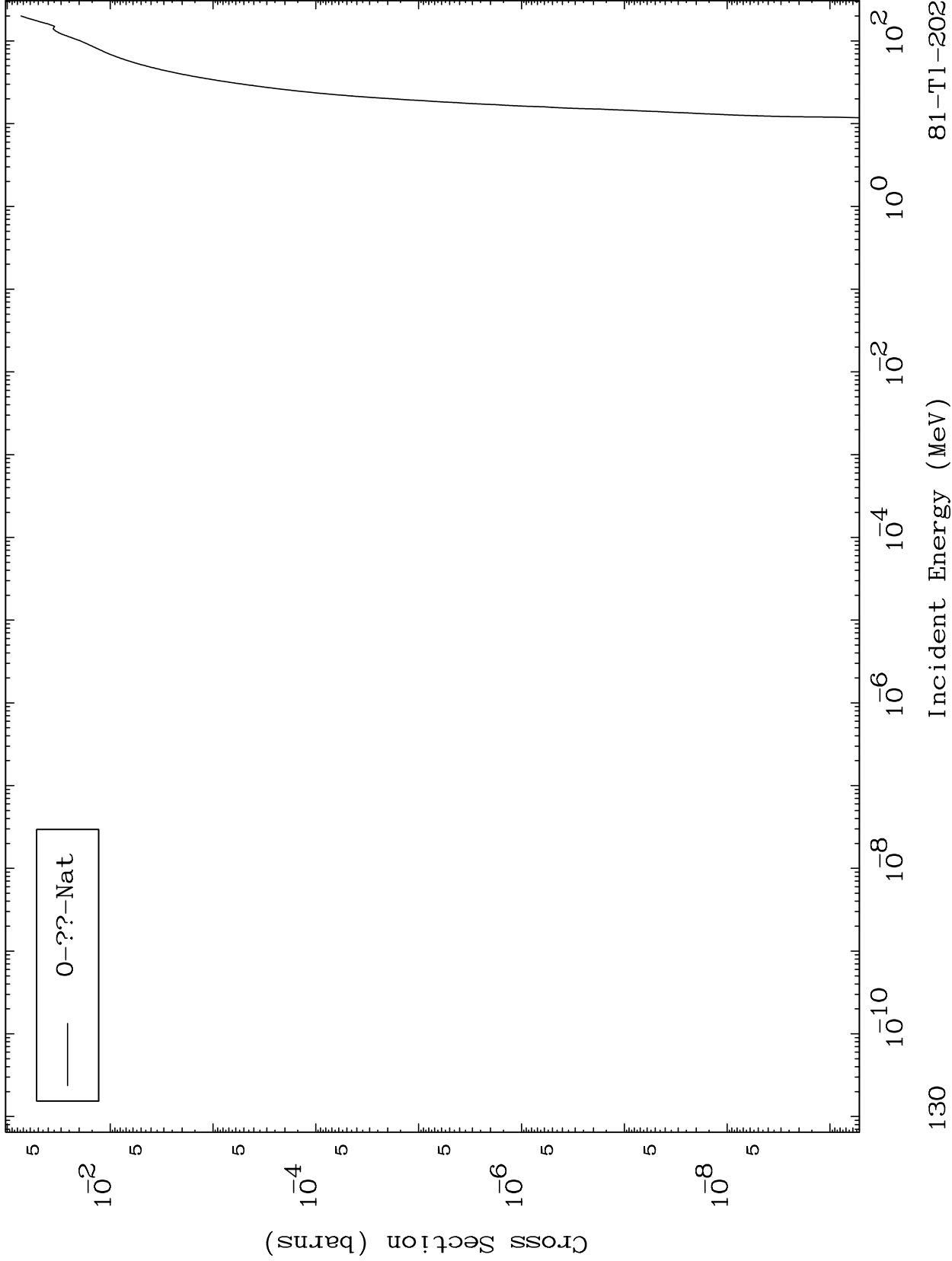


MAT 8122

Fission

81-Tl-202

Radionuclide Production Cross Section



130

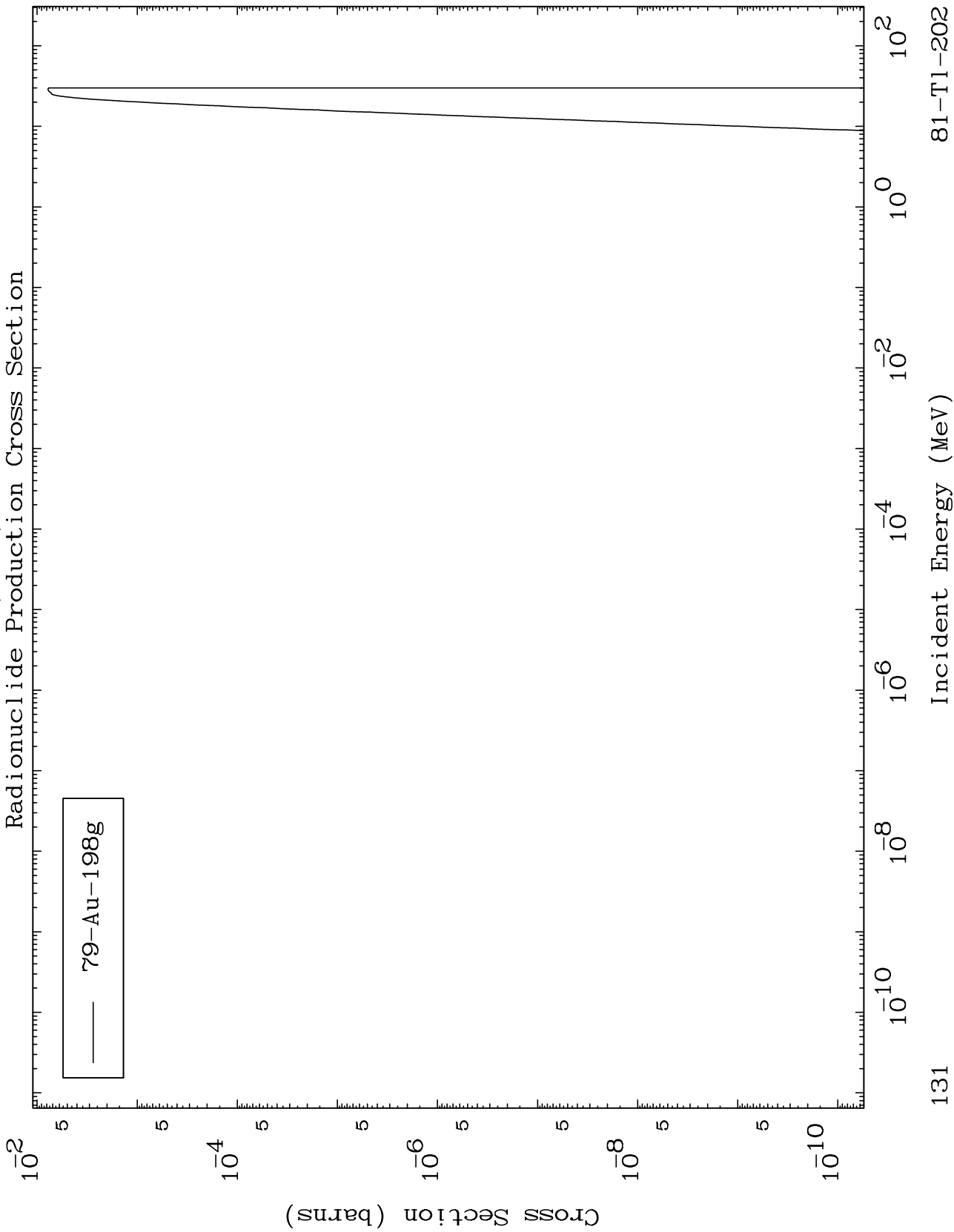
81-Tl-202

MAT 8122

$(n, n') \alpha$

81-Tl-202

Radionuclide Production Cross Section



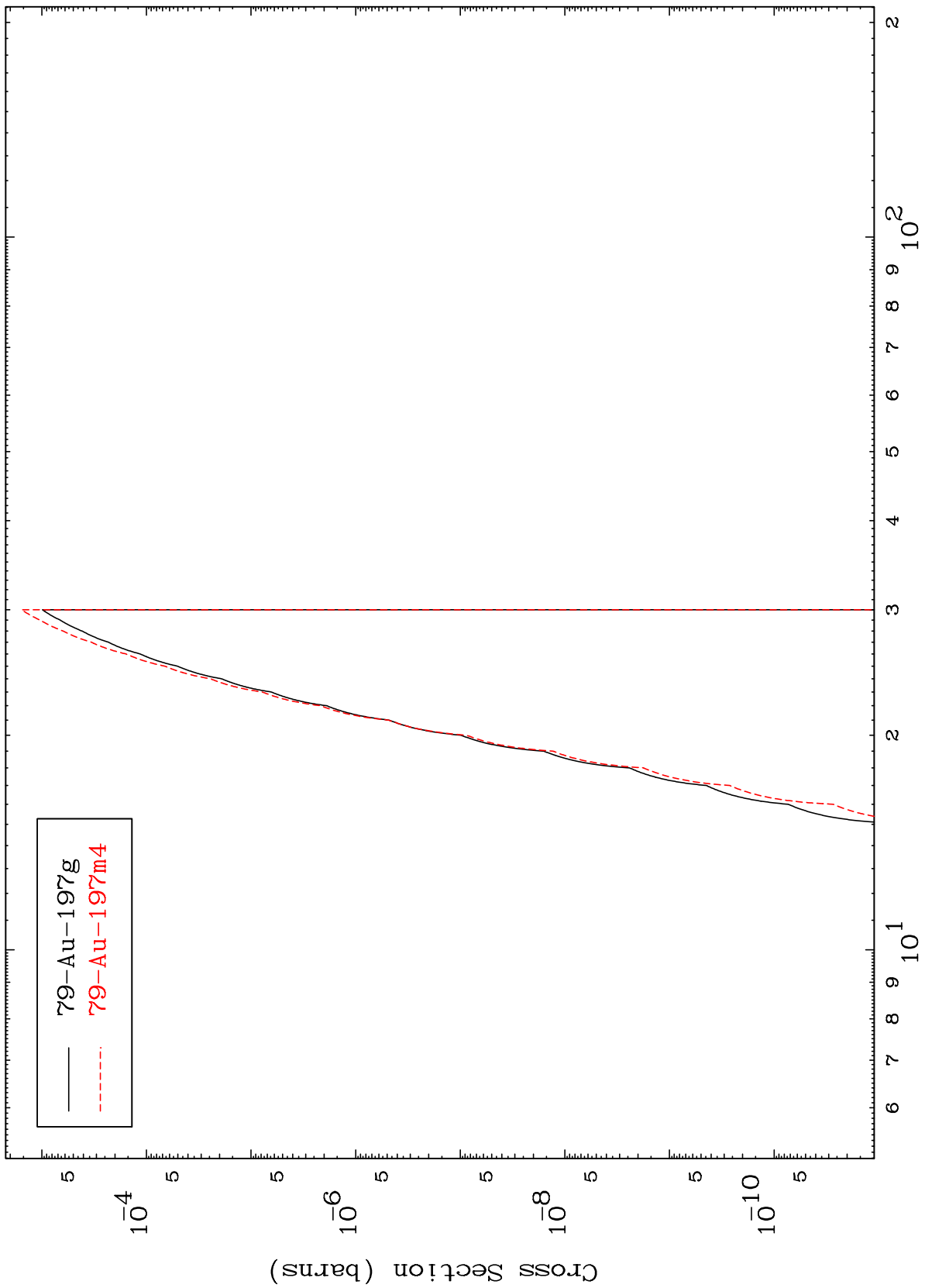
79-Au-198g

MAT 8122

(n,2n)  $\alpha$

81-T1-202

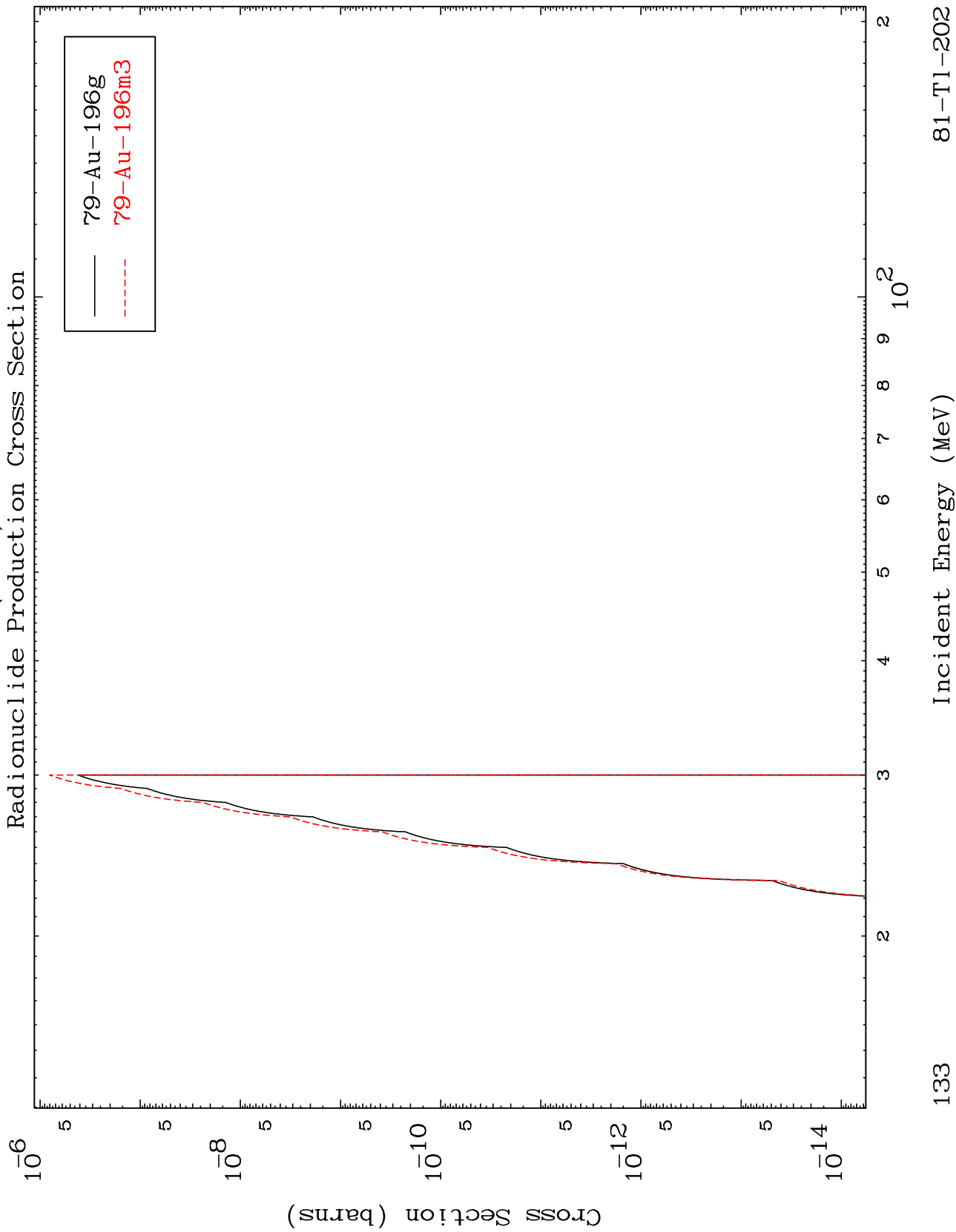
Radionuclide Production Cross Section



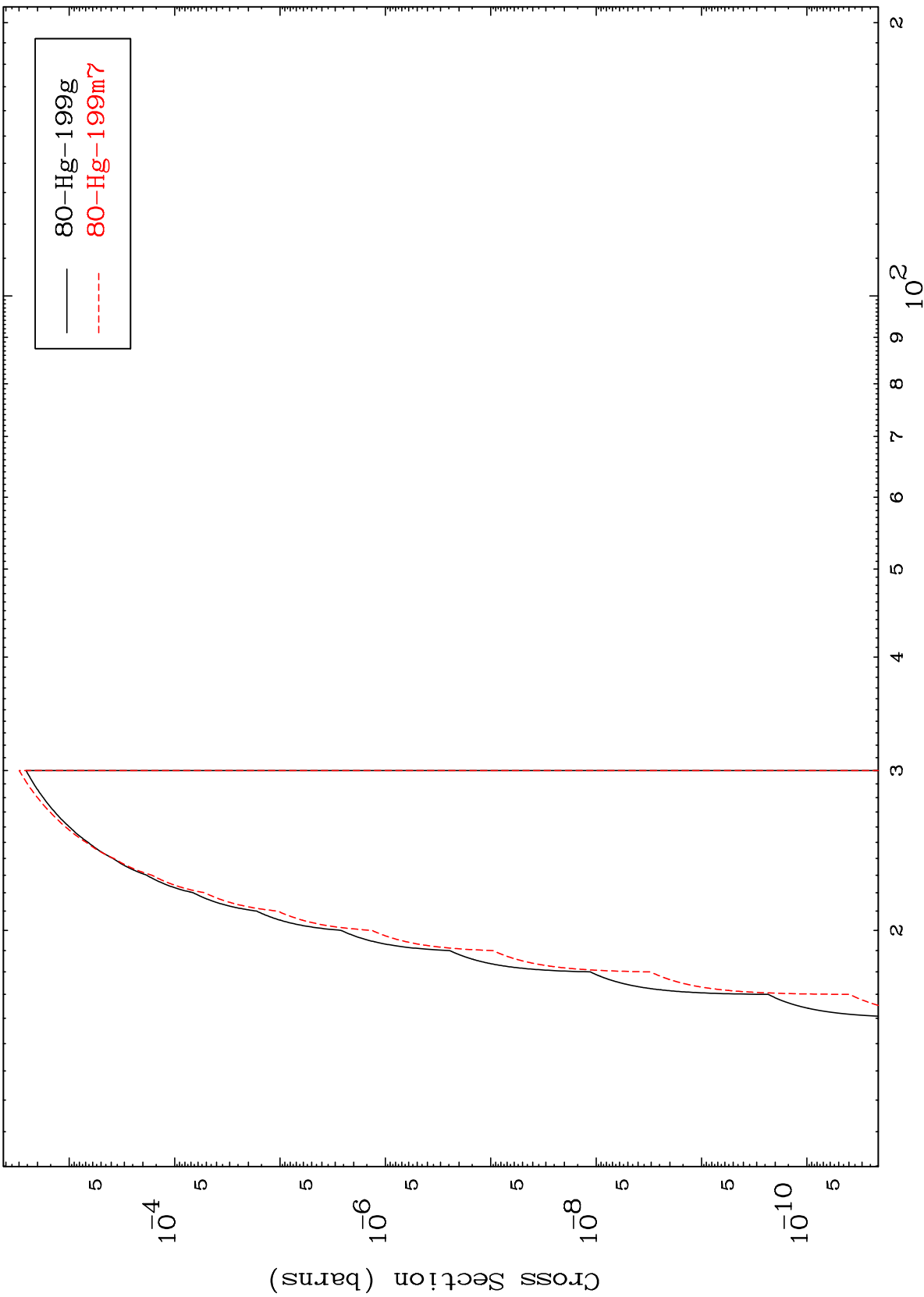
132

Incident Energy (MeV)

81-T1-202



Radionuclide Production Cross Section

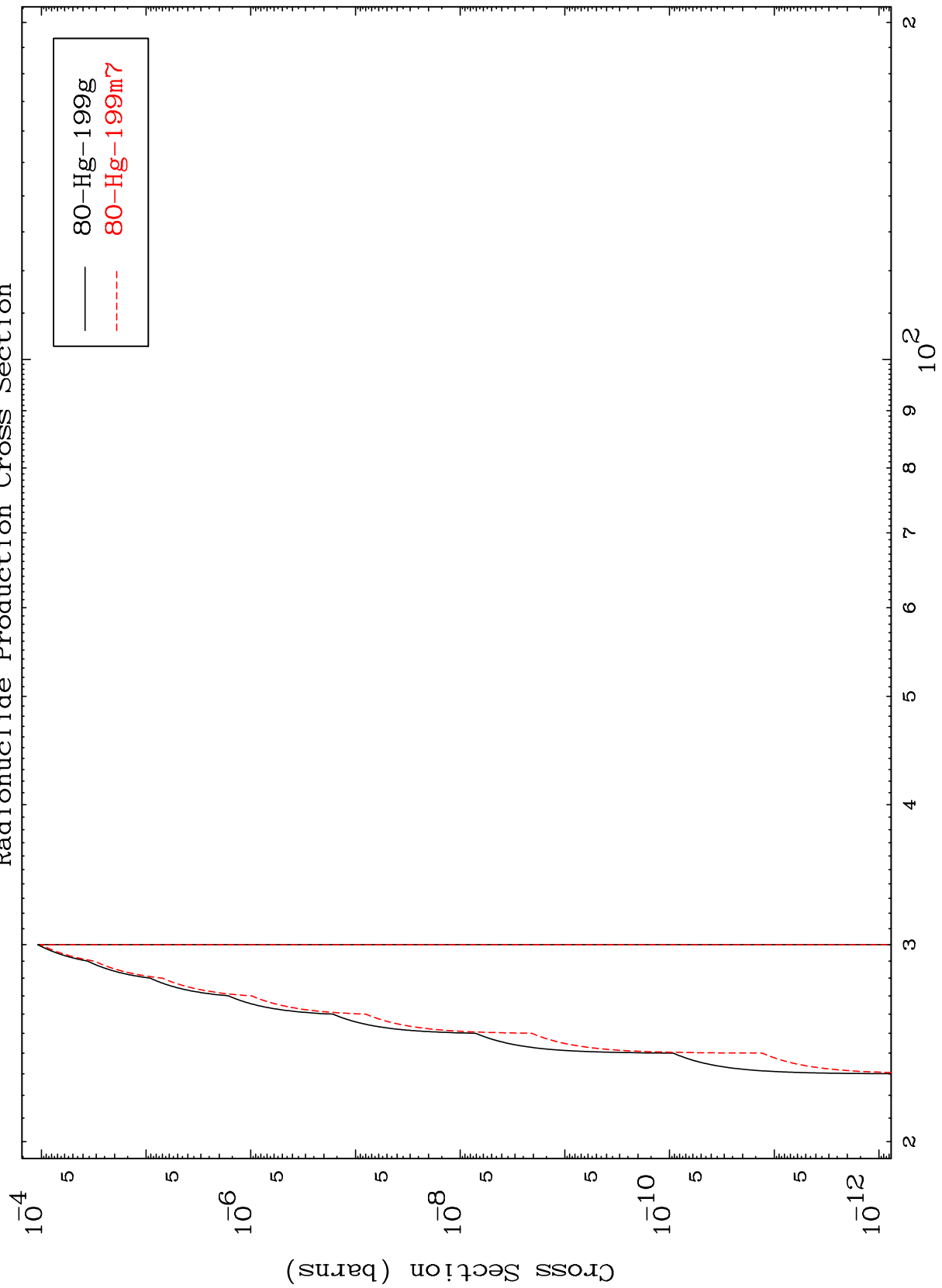


MAT 8122

(n,3n) p

81-T1-202

Radionuclide Production Cross Section

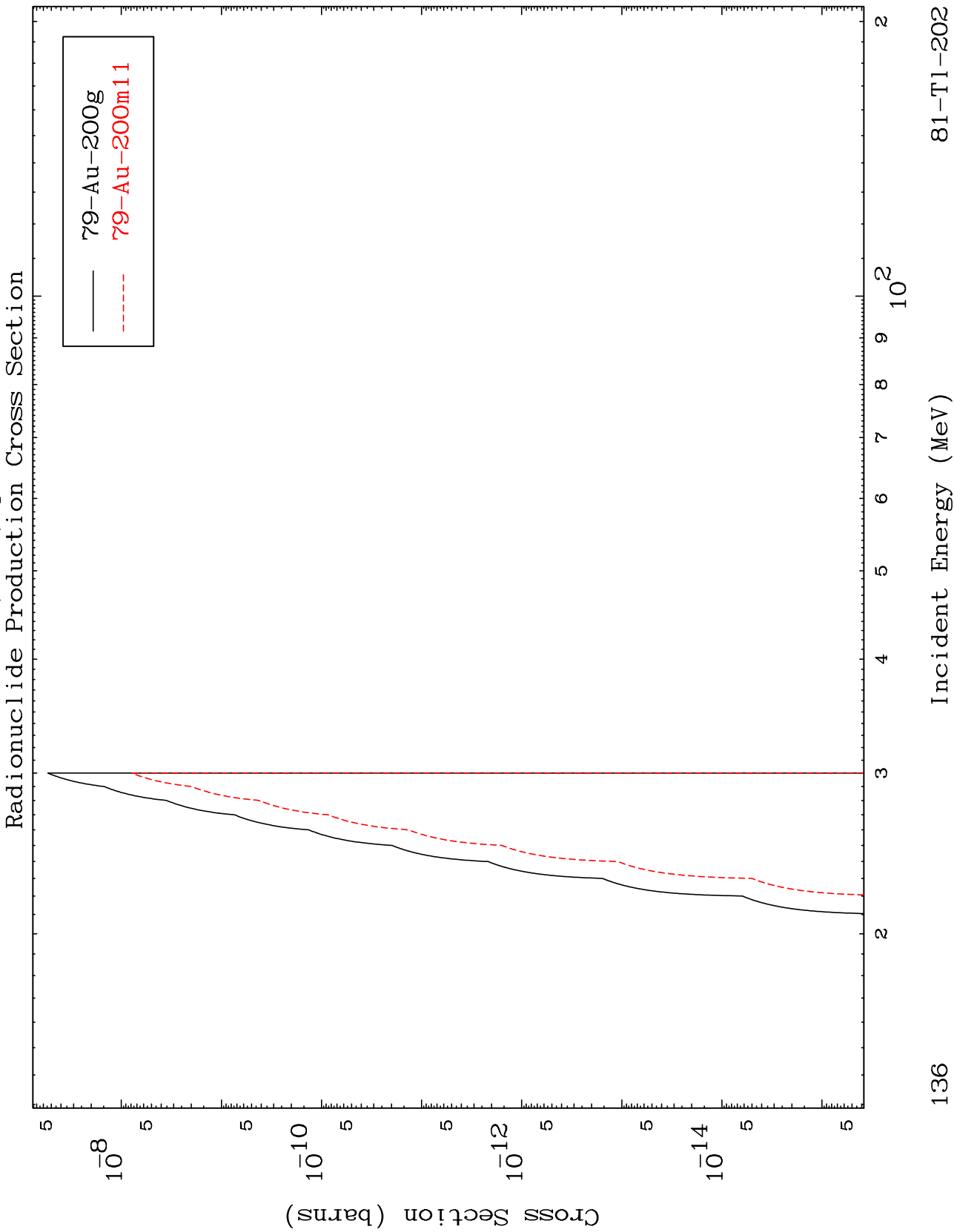


135

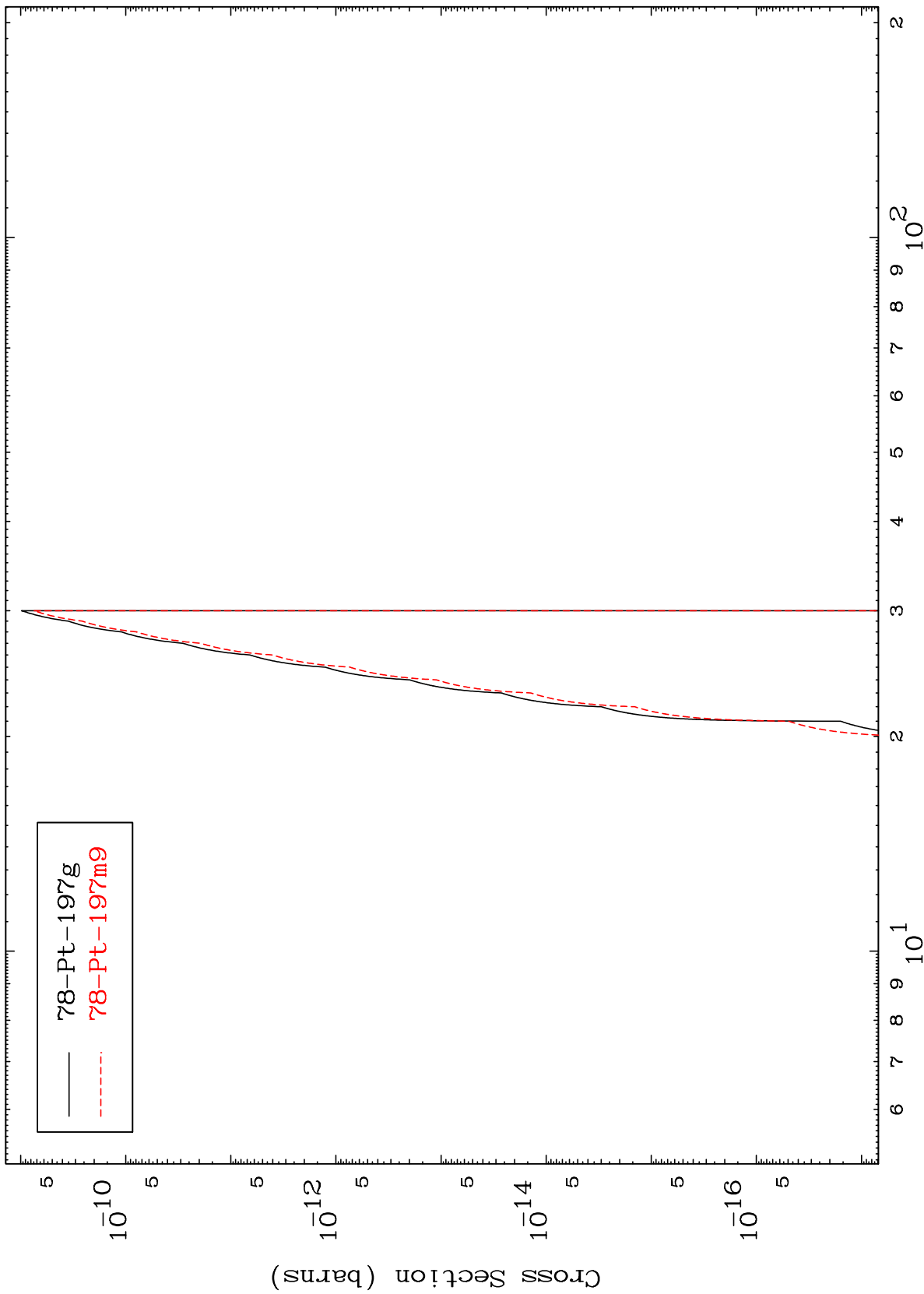
Incident Energy (MeV)

81-T1-202

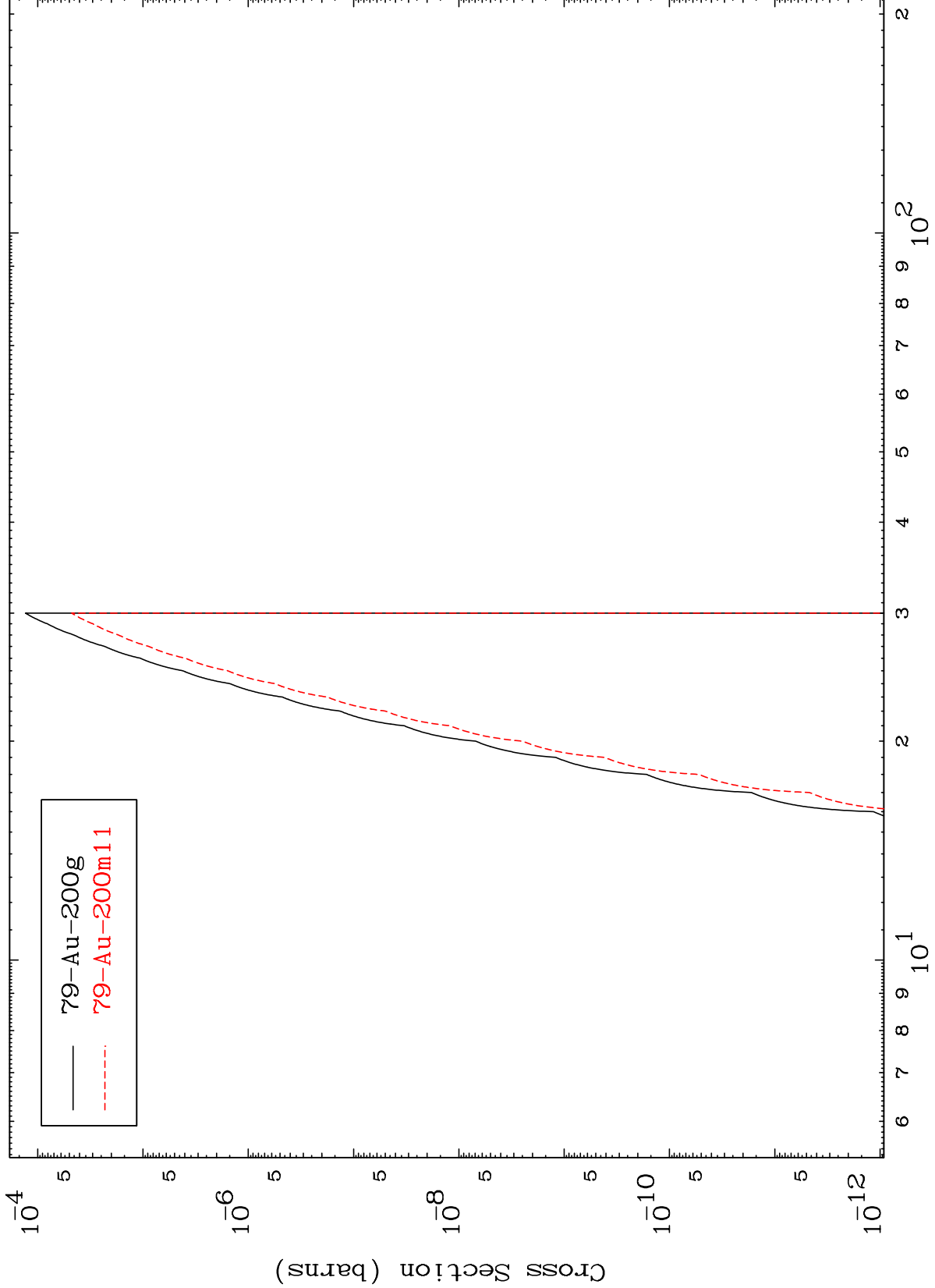




Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

