

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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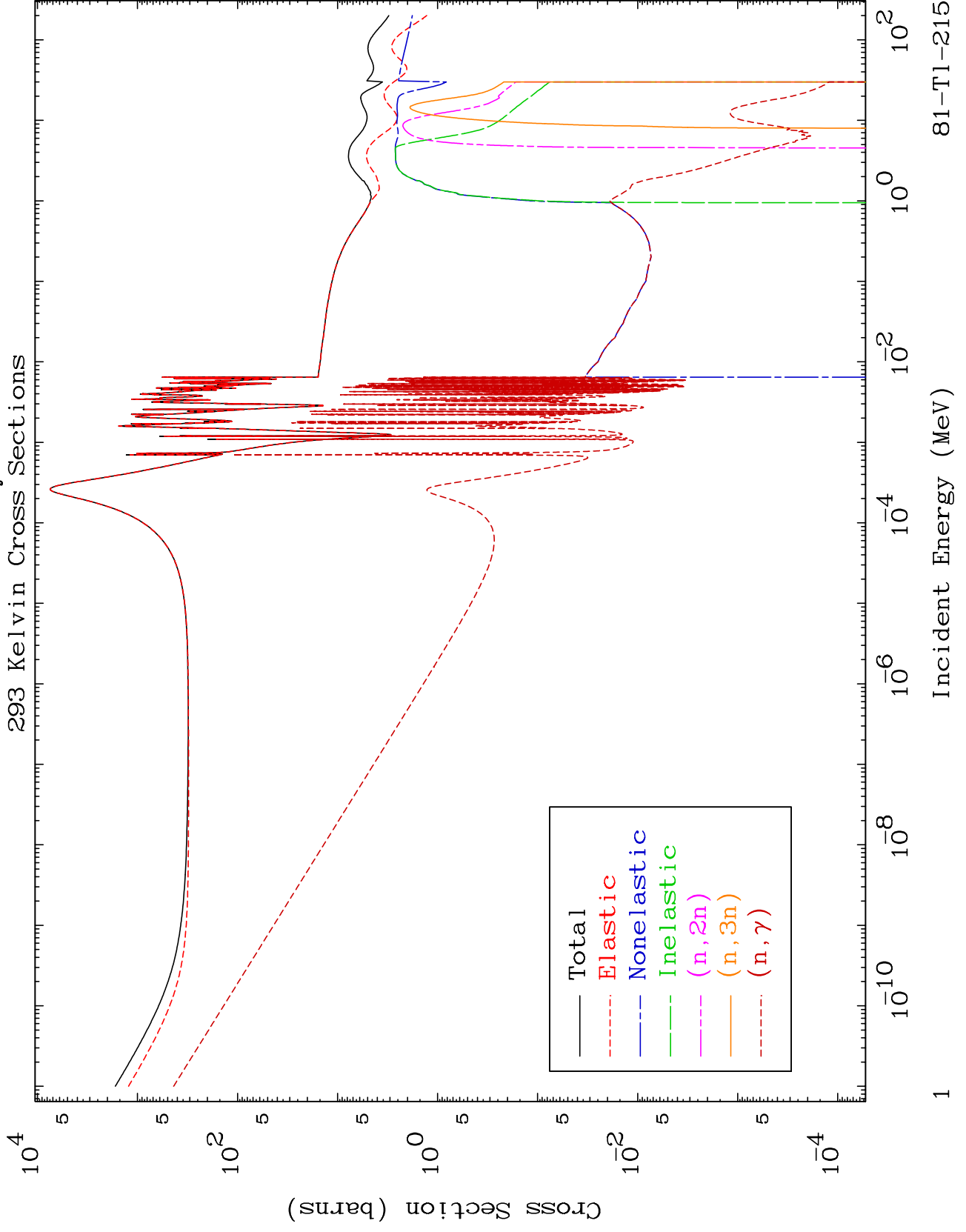
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8161

Neutron Major  
293 Kelvin Cross Sections

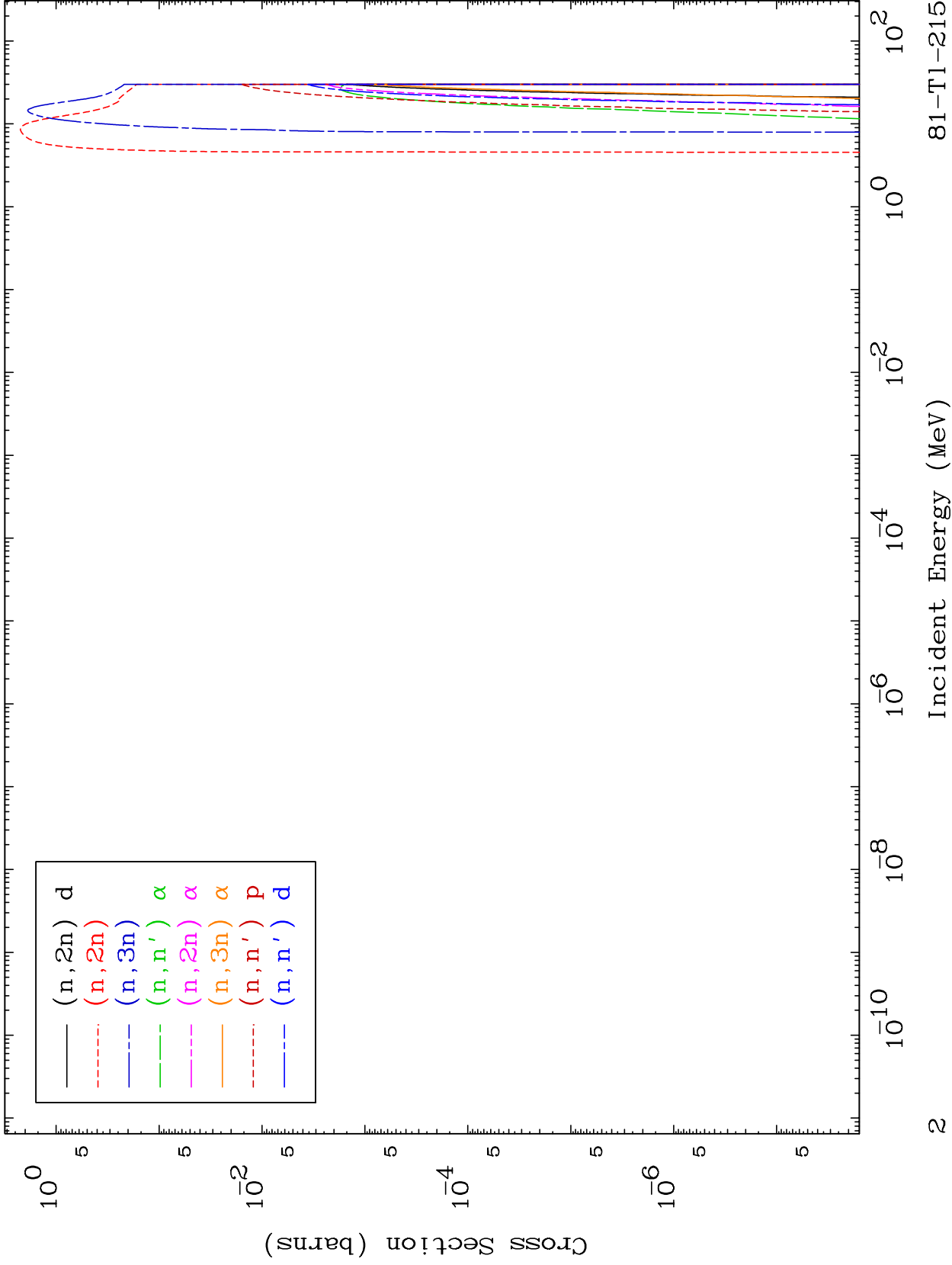
81-Tl-215



MAT 8161

Neutron Absorption  
293 Kelvin Cross Sections

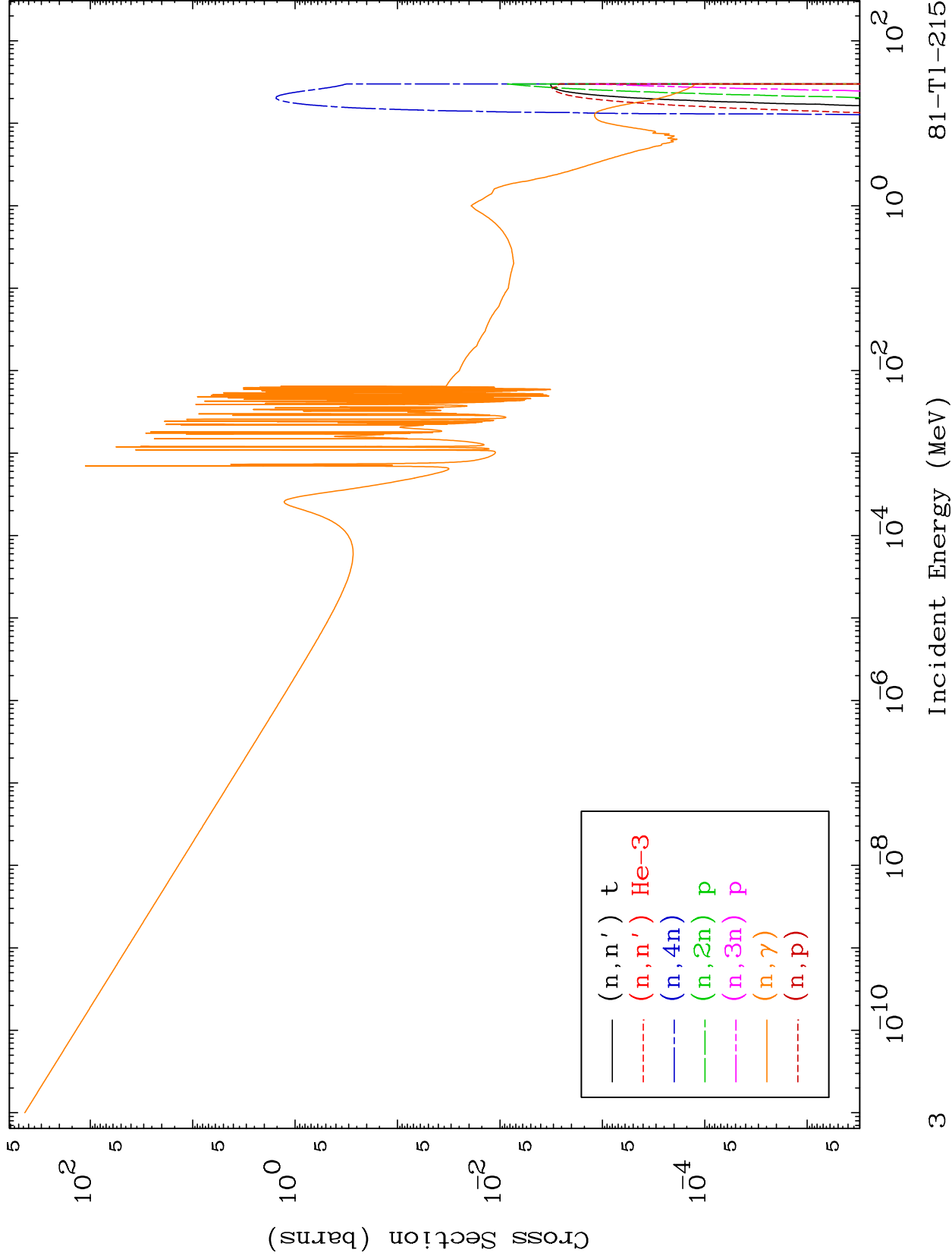
81-Tl-215



MAT 8161

Neutron Absorption  
293 Kelvin Cross Sections

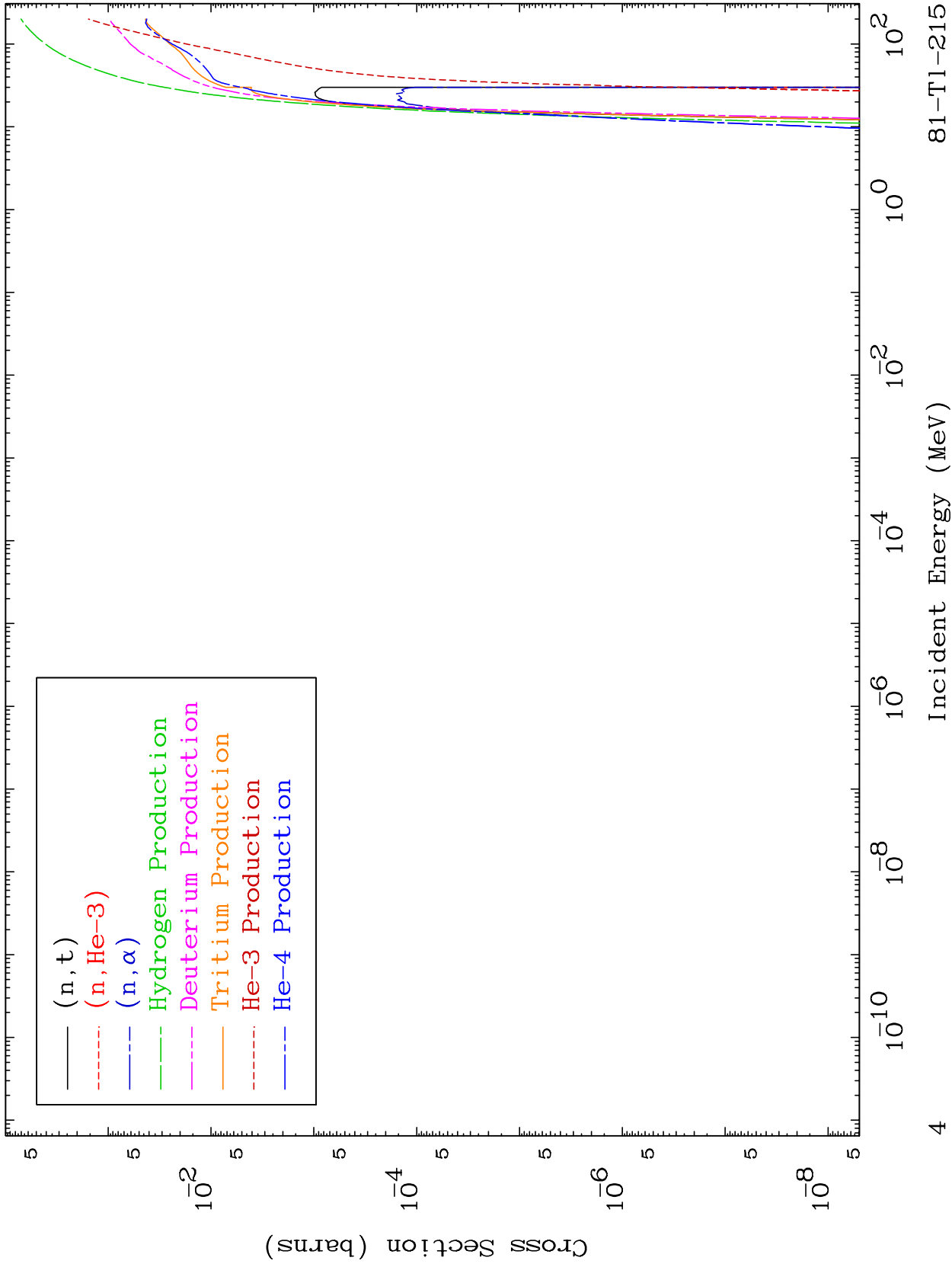
81-Tl-215



MAT 8161

Neutron Absorption  
293 Kelvin Cross Sections

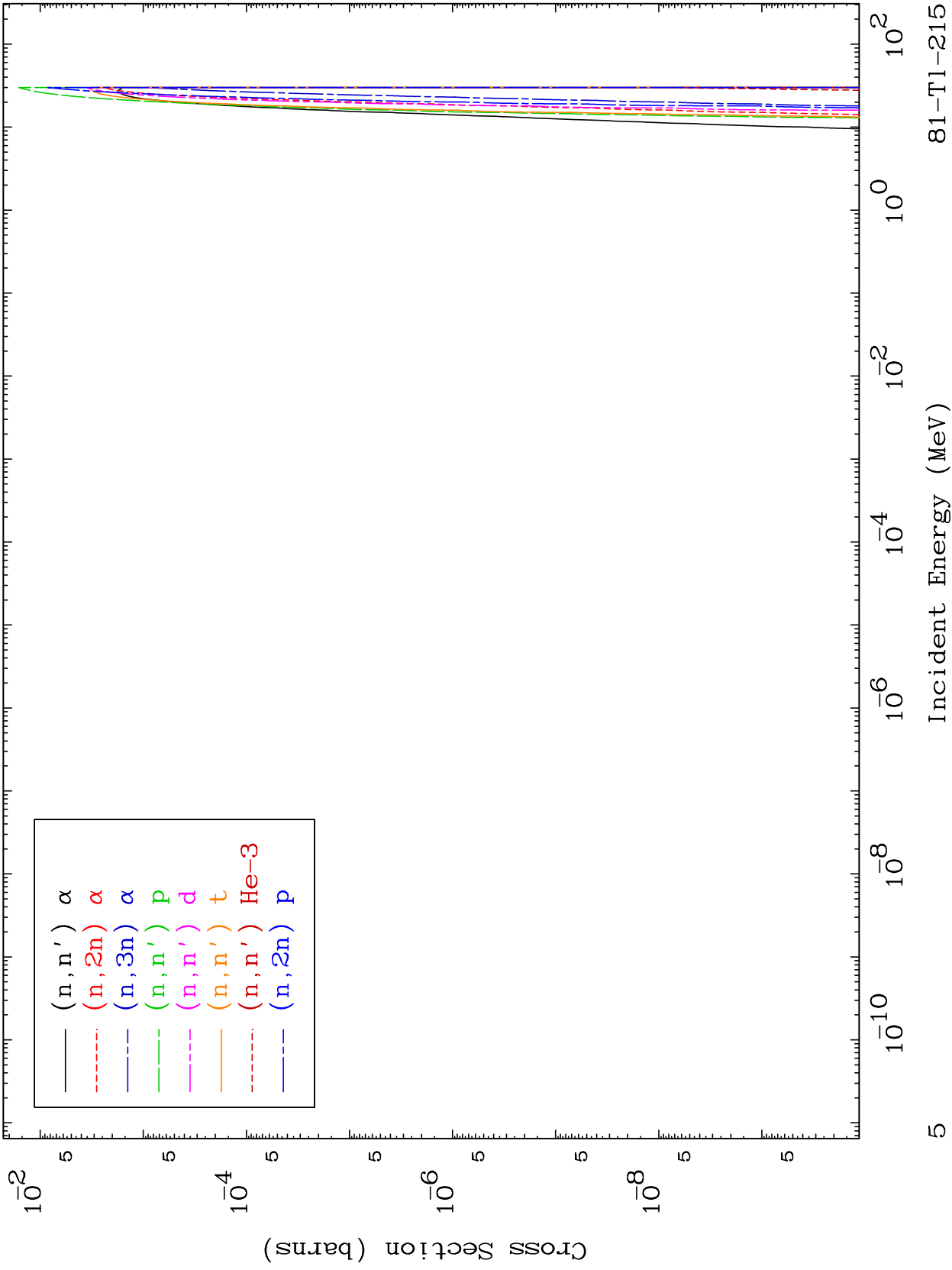
81-Tl-215



MAT 8161

Charged Particle  
293 Kelvin Cross Sections

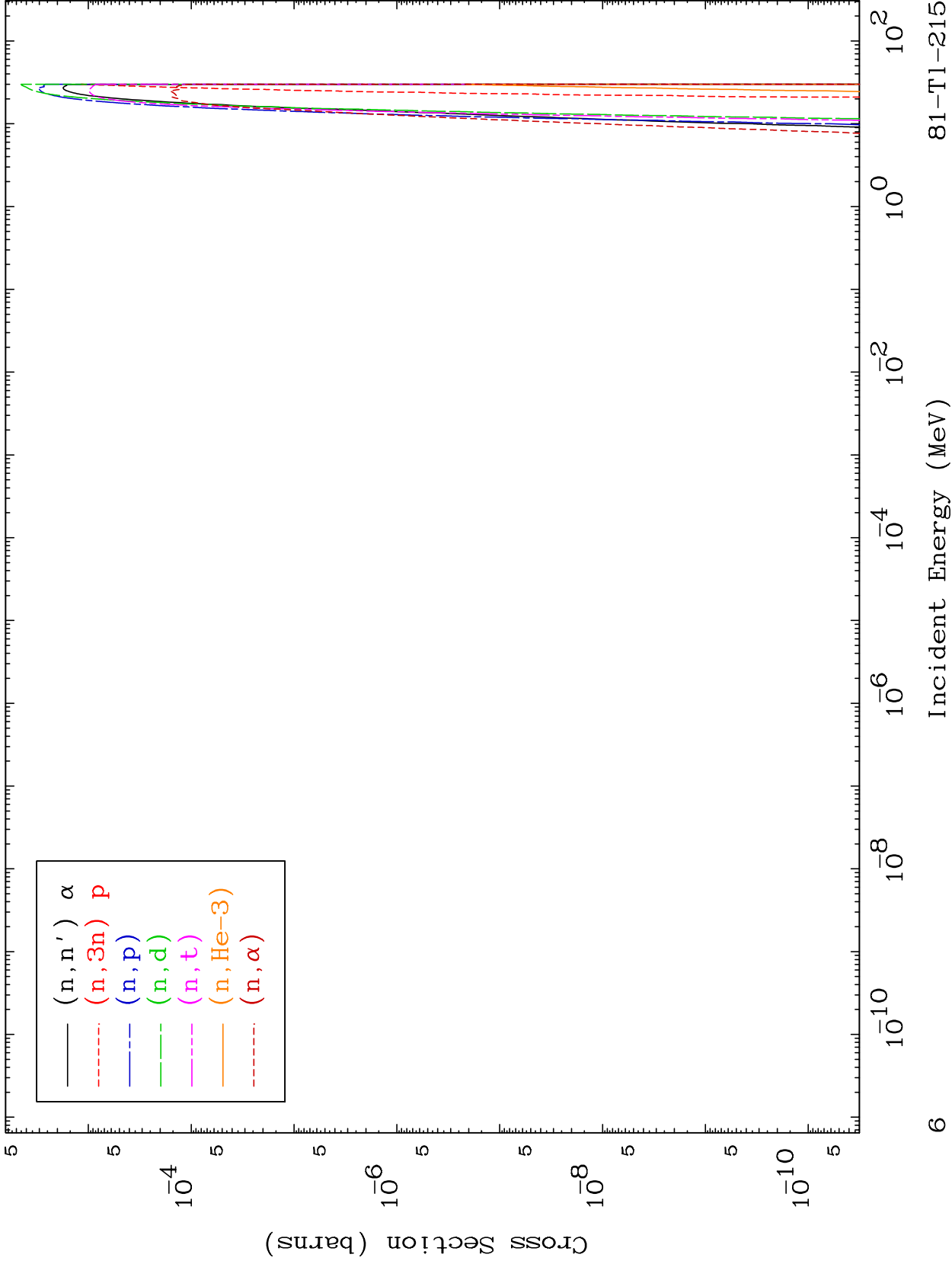
81-Tl-215



MAT 8161

Charged Particle  
293 Kelvin Cross Sections

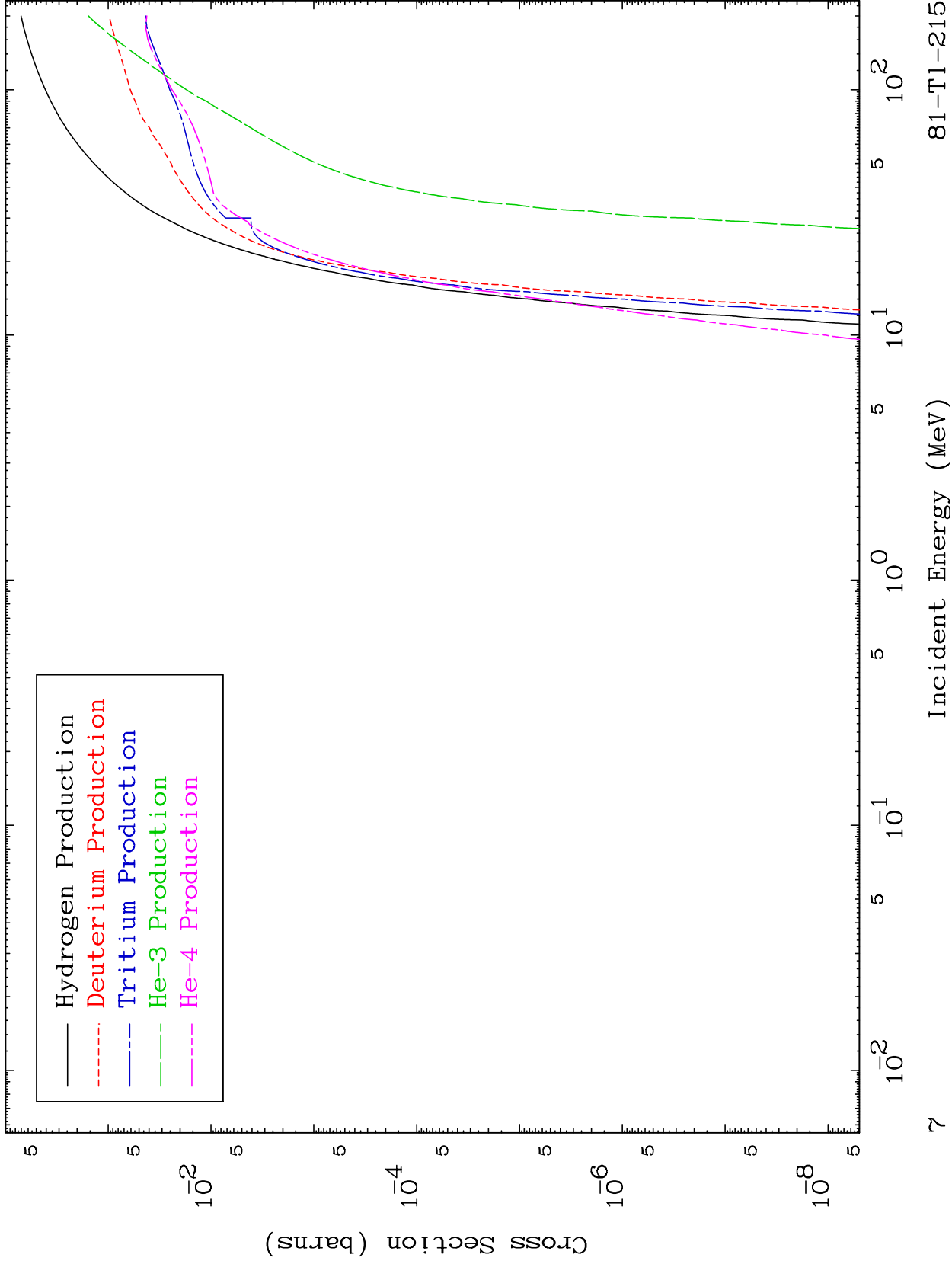
81-Tl-215



MAT 8161

Particle Production  
293 Kelvin Cross Sections

81-Tl-215

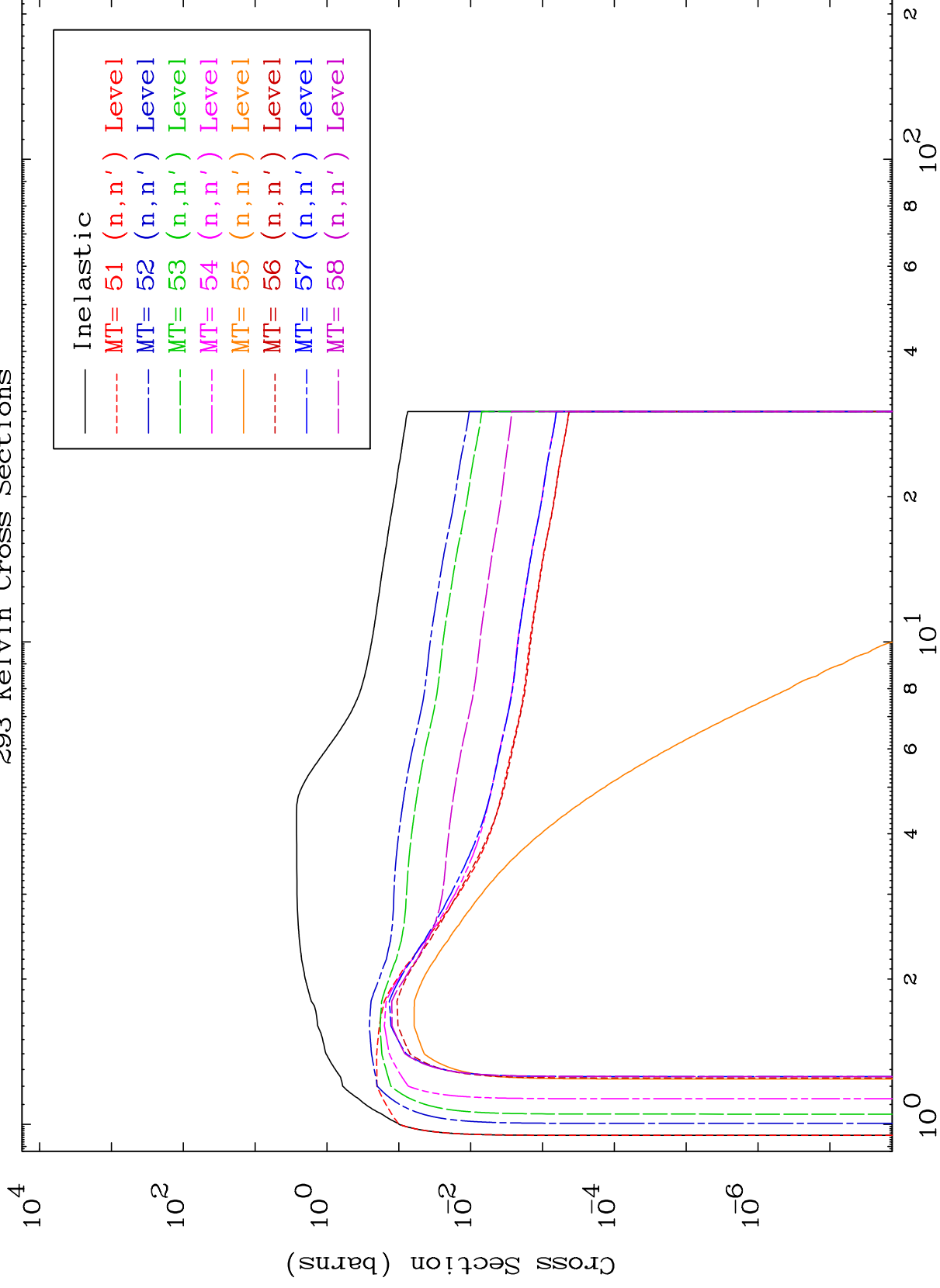


MAT 8161

(n,n') Levels

81-Tl-215

293 Kelvin Cross Sections



Incident Energy (MeV)

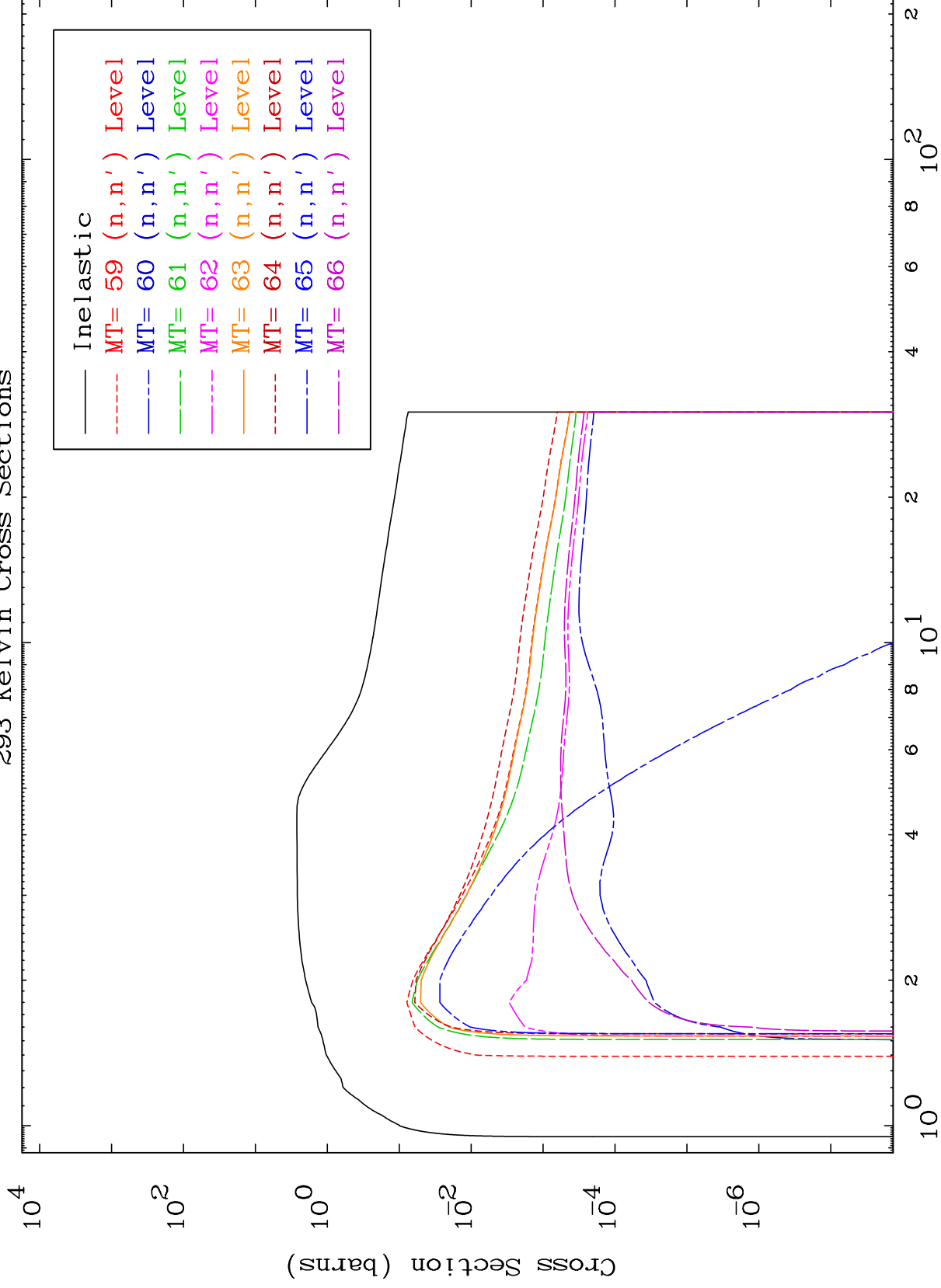
81-Tl-215

MAT 8161

(n,n') Levels

81-Tl-215

293 Kelvin Cross Sections



Incident Energy (MeV)

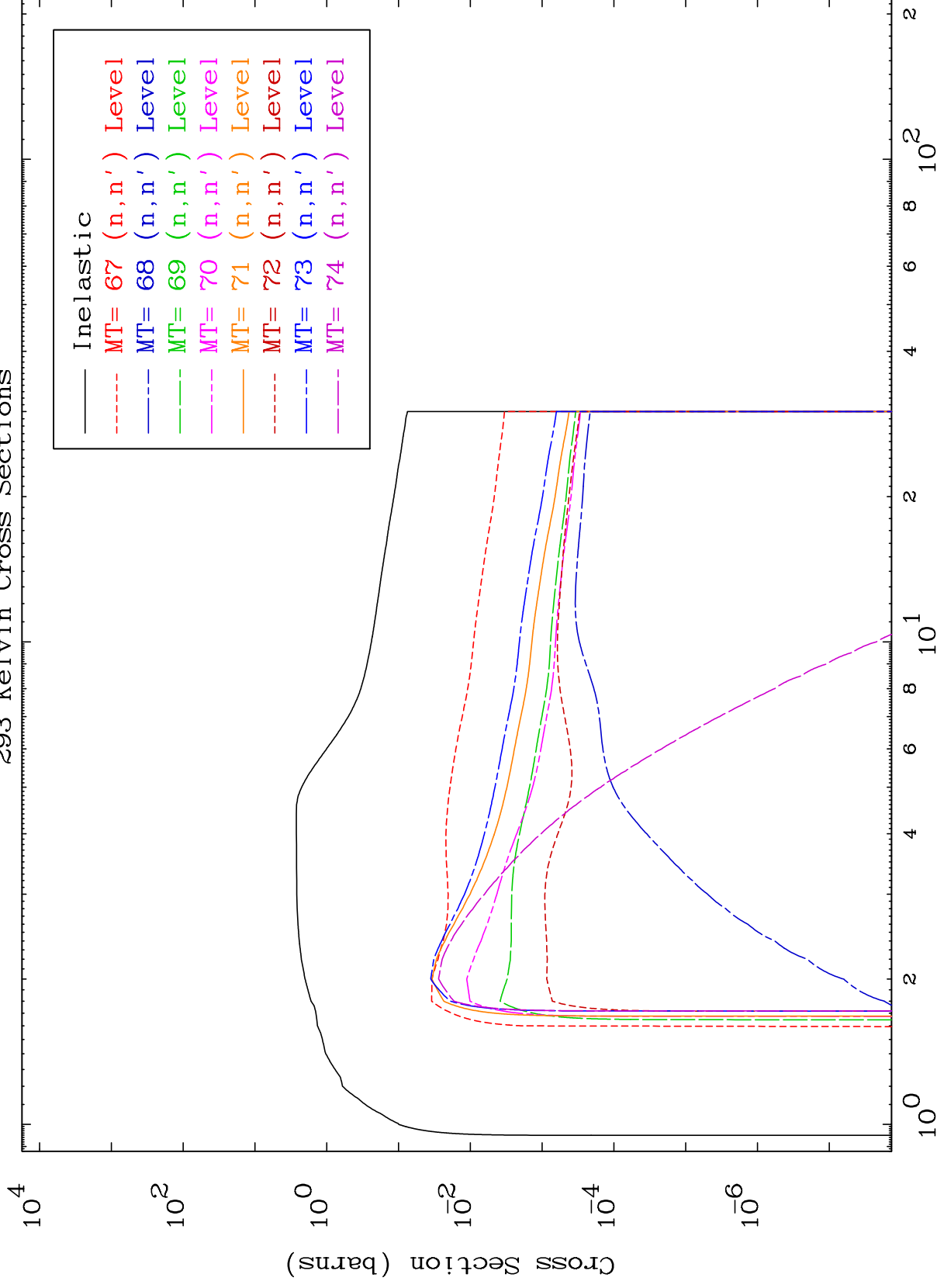
81-Tl-215

MAT 8161

(n,n') Levels

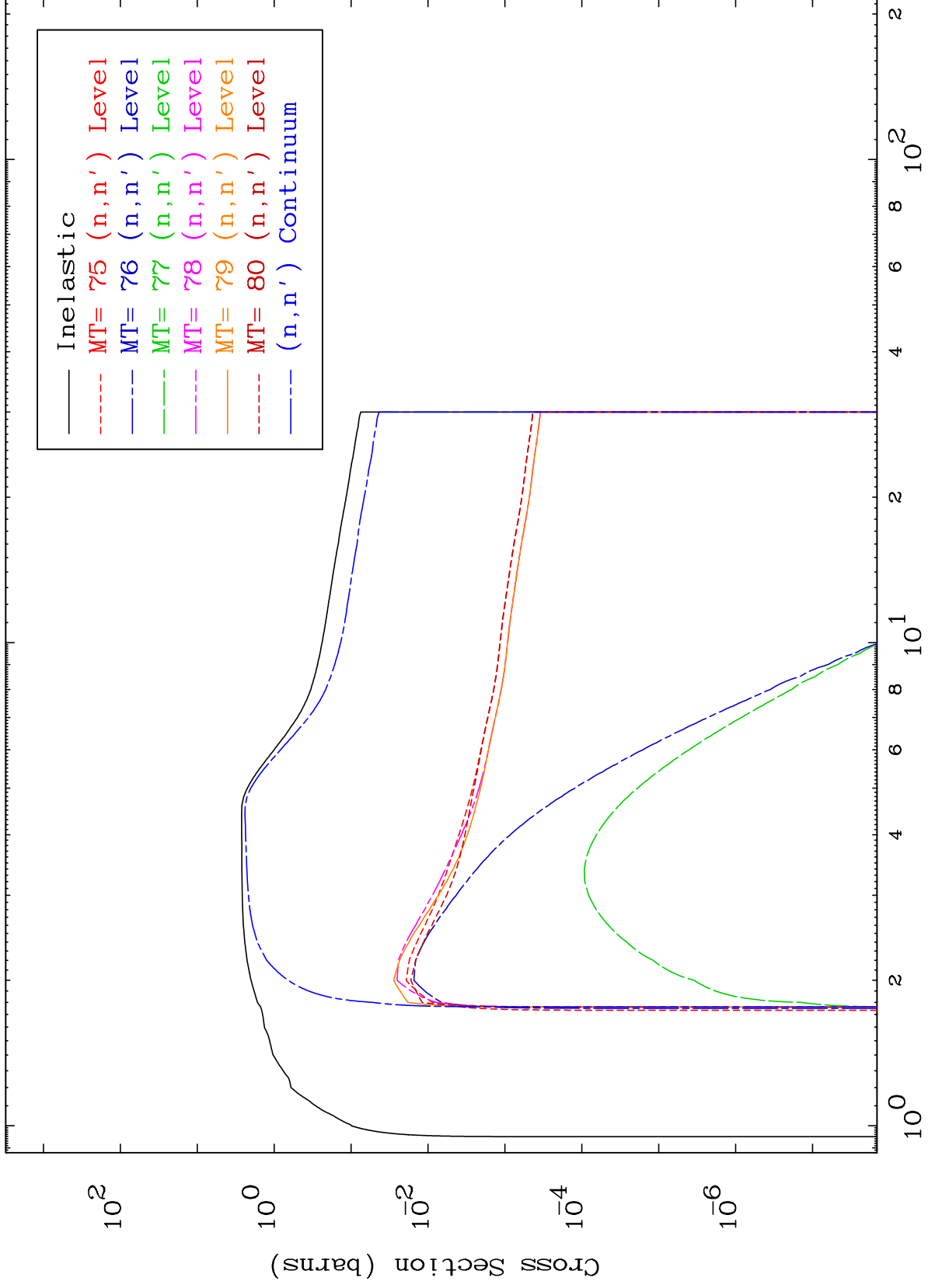
293 Kelvin Cross Sections

81-Tl-215



Incident Energy (MeV)

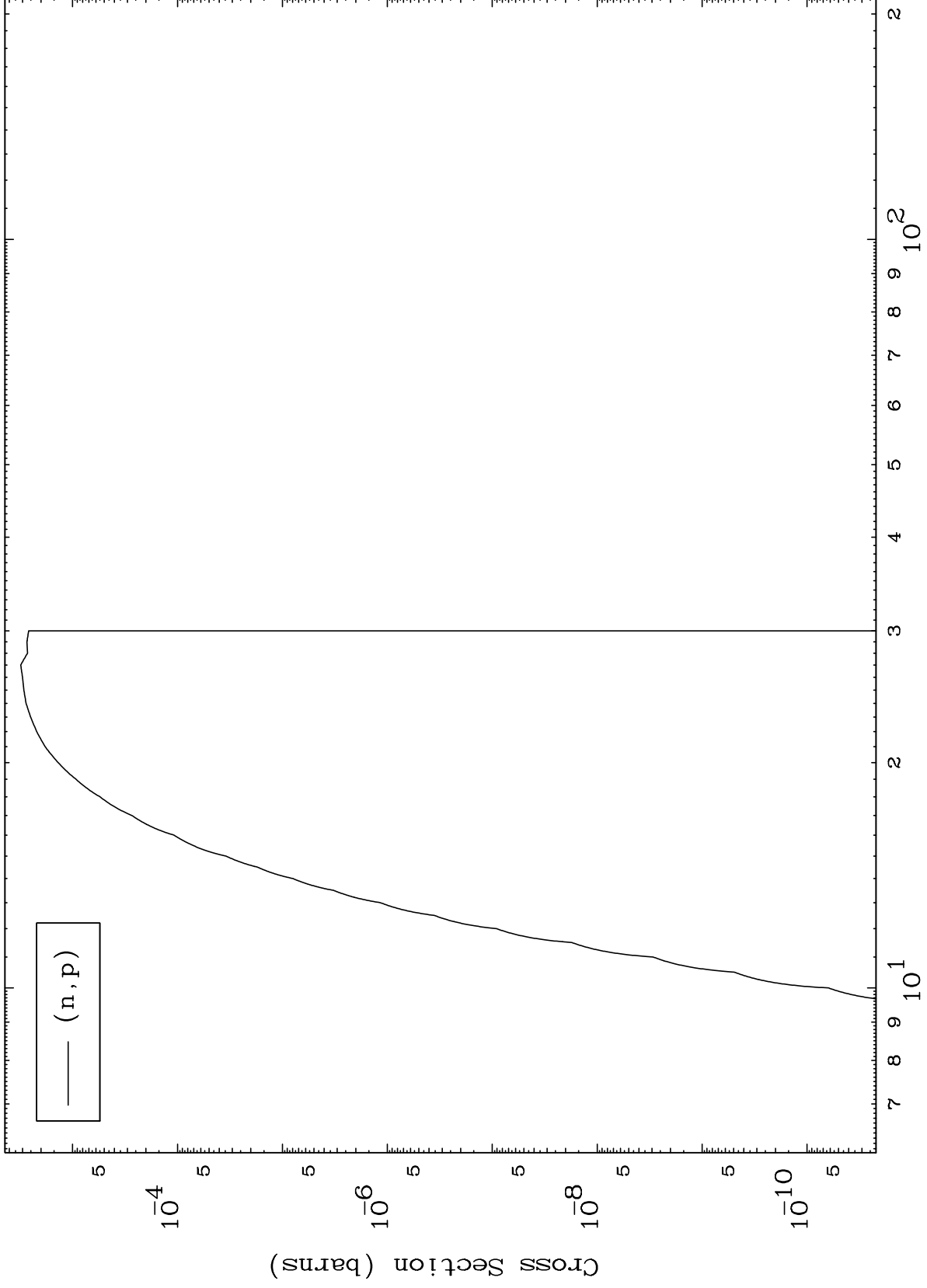
81-Tl-215



MAT 8161

(n,p) Levels  
293 Kelvin Cross Sections

81-Tl-215



12

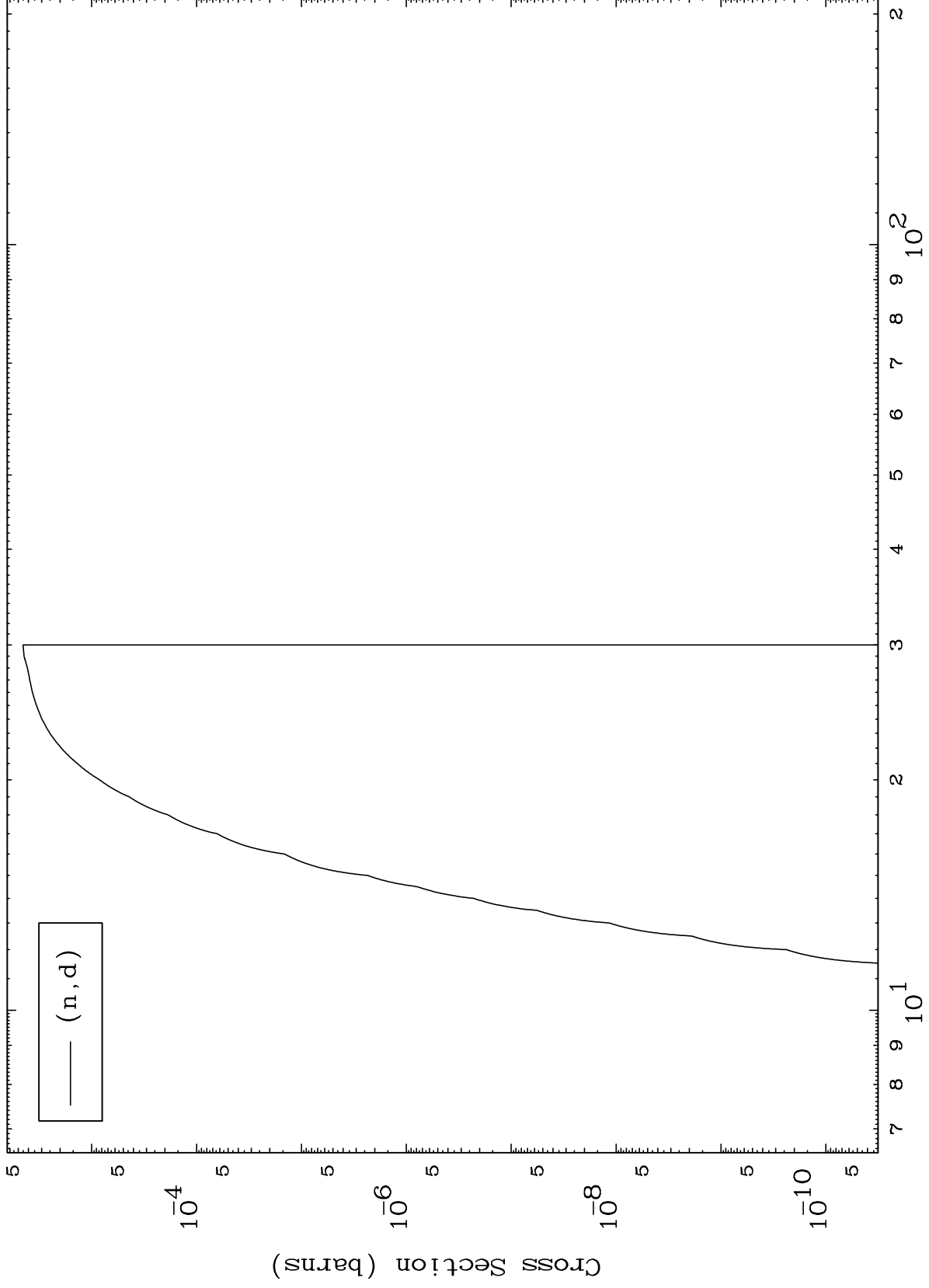
Incident Energy (MeV)

81-Tl-215

MAT 8161

(n,d) Levels  
293 Kelvin Cross Sections

81-T1-215



13

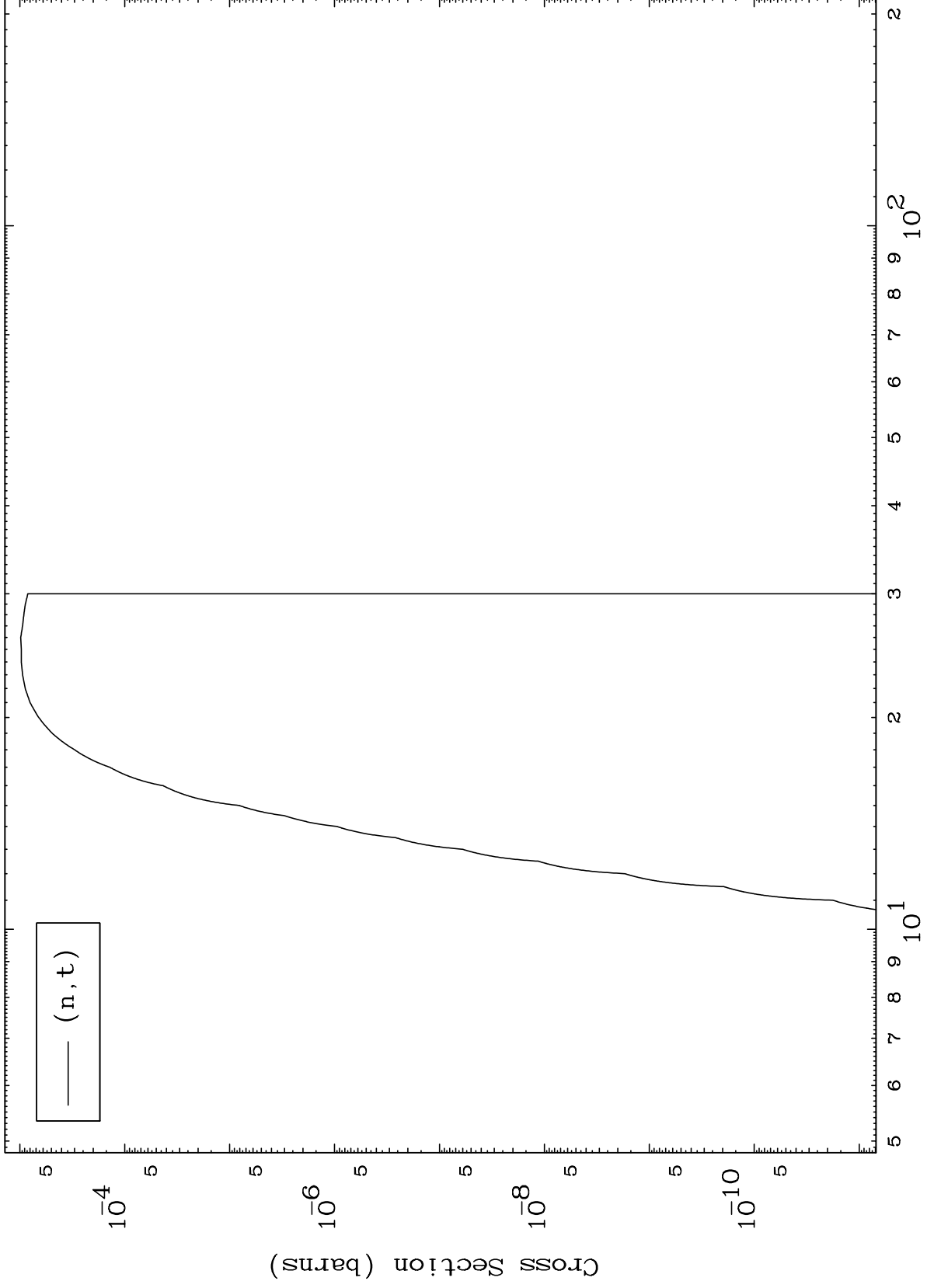
Incident Energy (MeV)

81-T1-215

MAT 8161

(n,t) Levels  
293 Kelvin Cross Sections

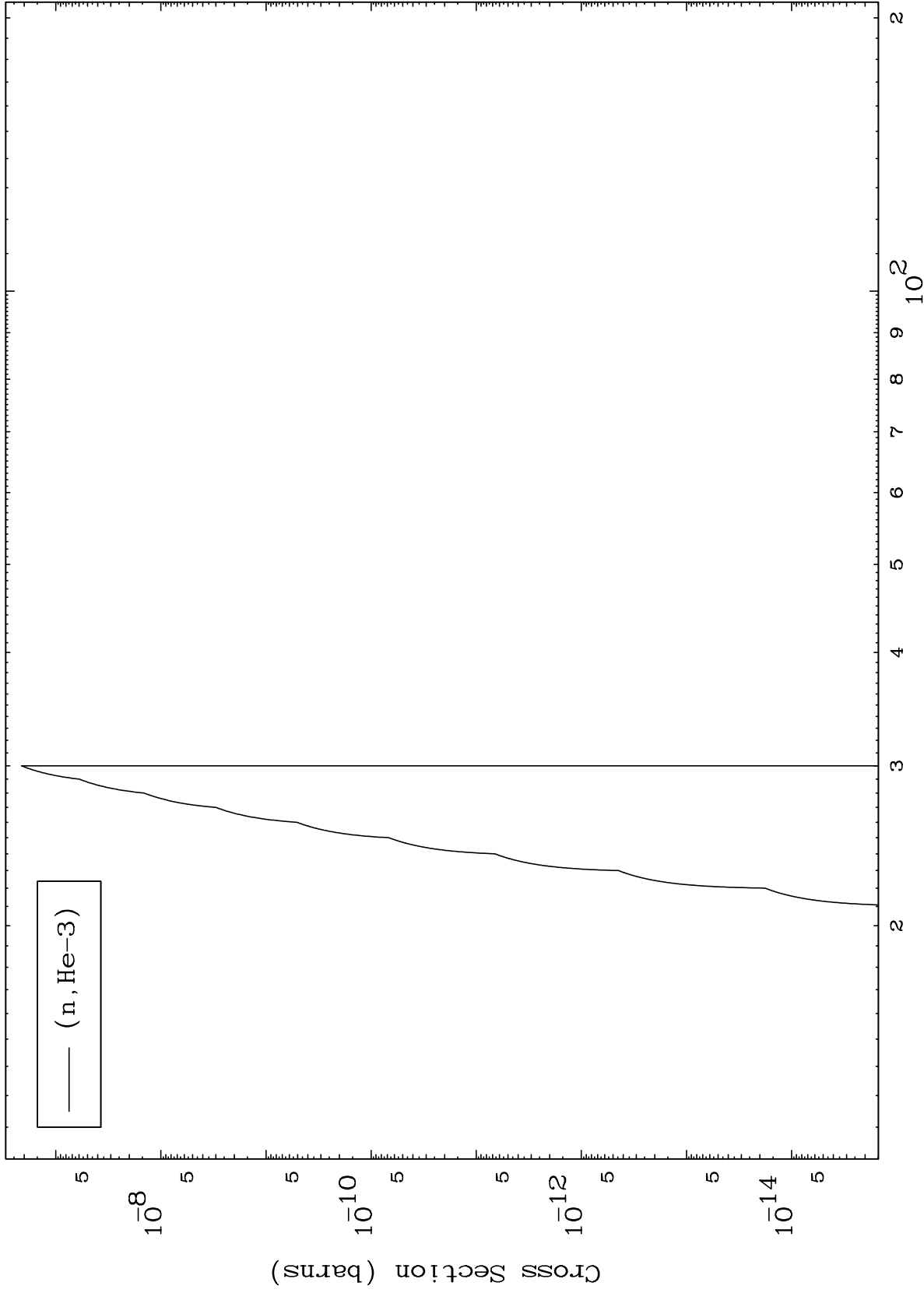
81-Tl-215



14

Incident Energy (MeV)

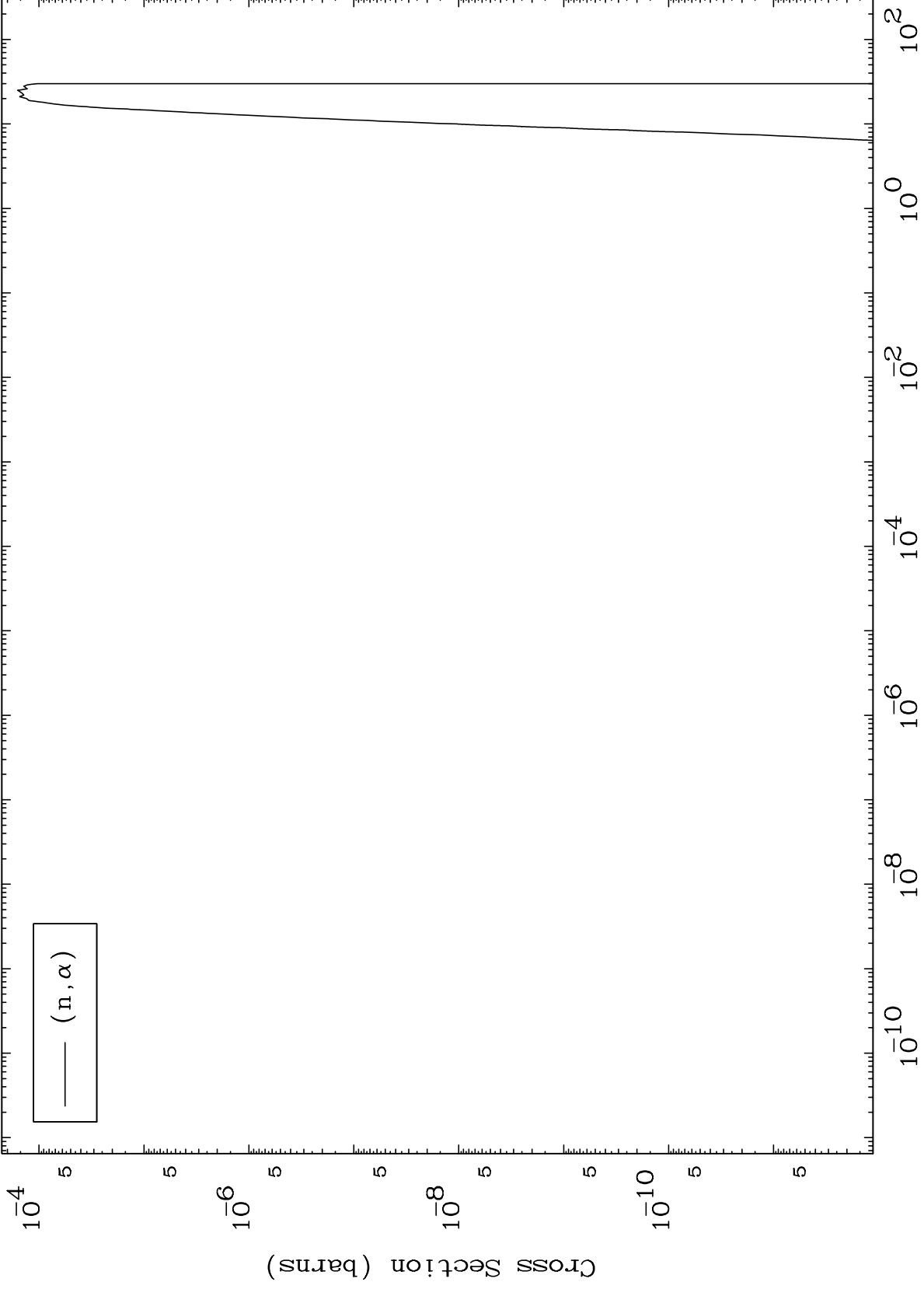
81-Tl-215



MAT 8161

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

81-Tl-215



16

Incident Energy (MeV)

81-Tl-215

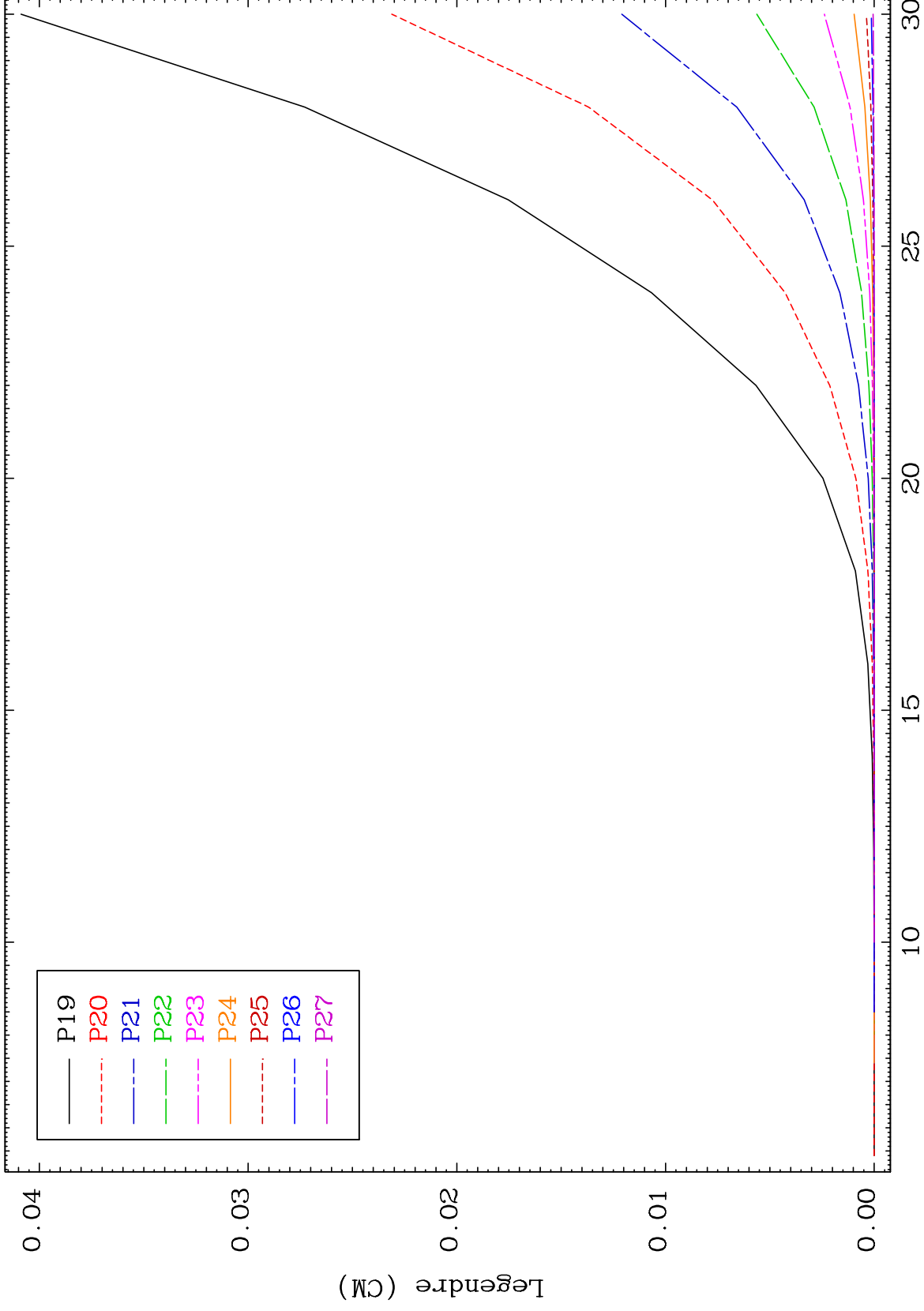




MAT 8161

Elastic  
Legendre Coefficients

81-T1-215



19

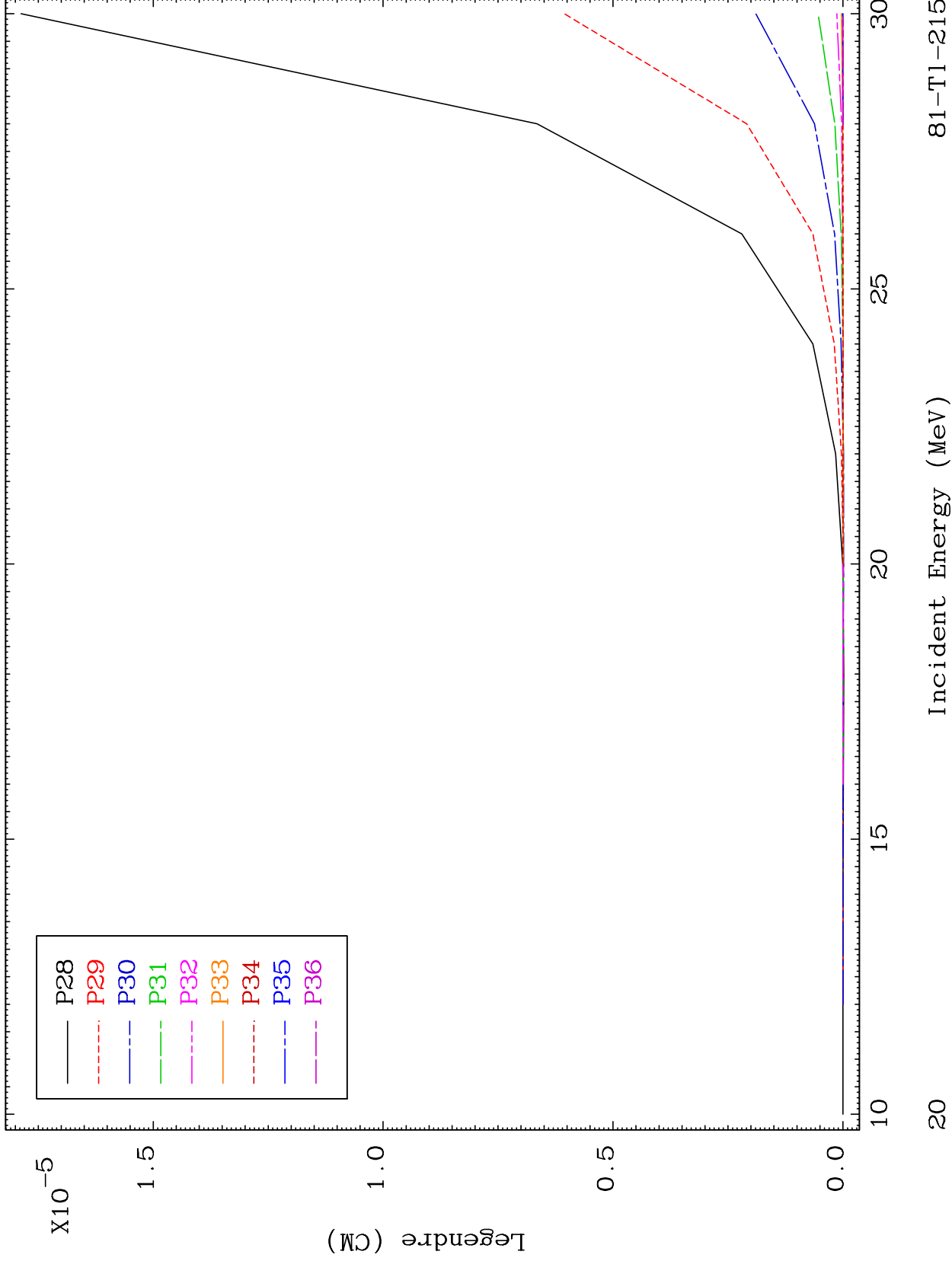
Incident Energy (MeV)

81-T1-215

MAT 8161

Elastic  
Legendre Coefficients

81-T1-215



81-T1-215

Incident Energy (MeV)

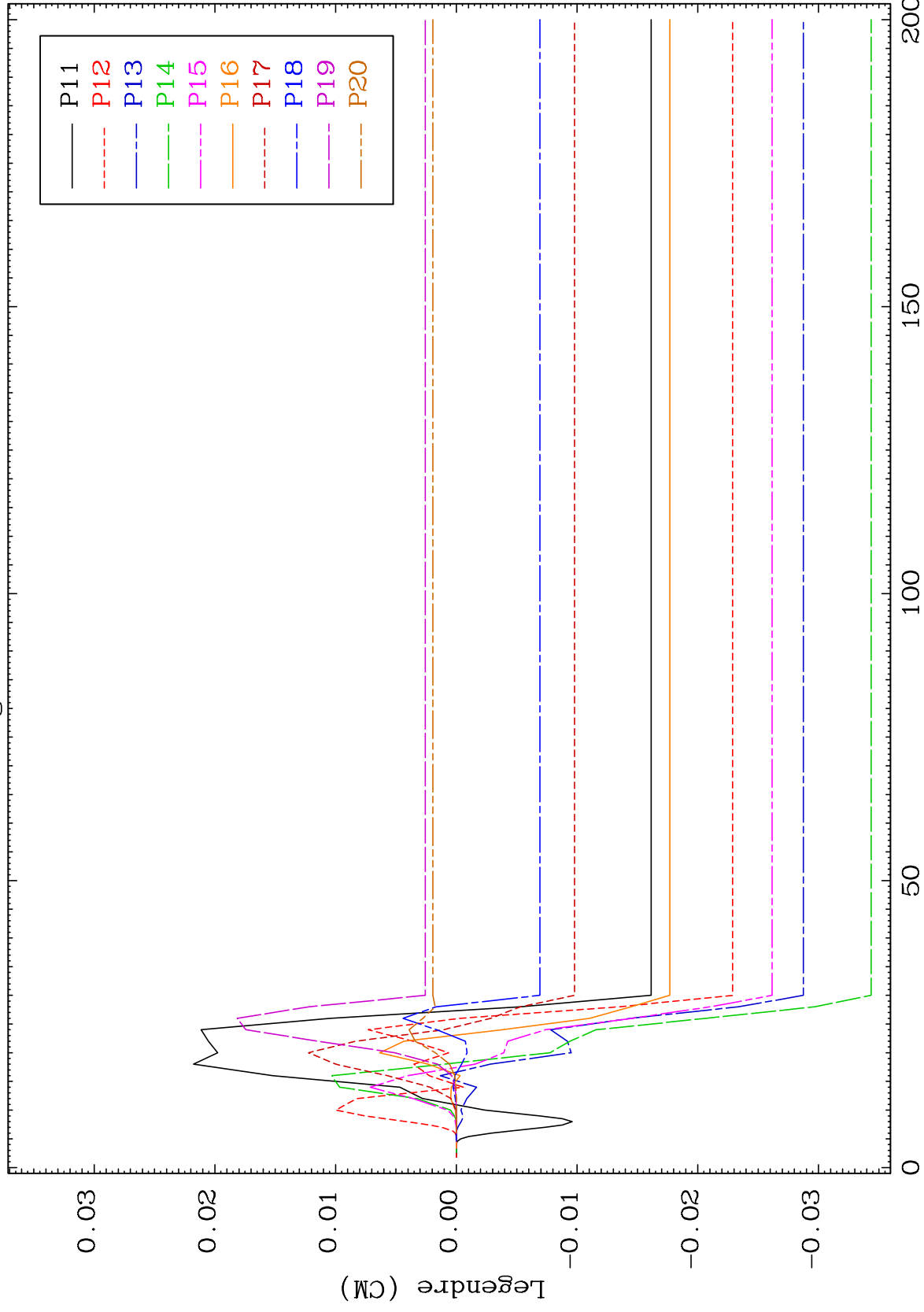
20



MAT 8161

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

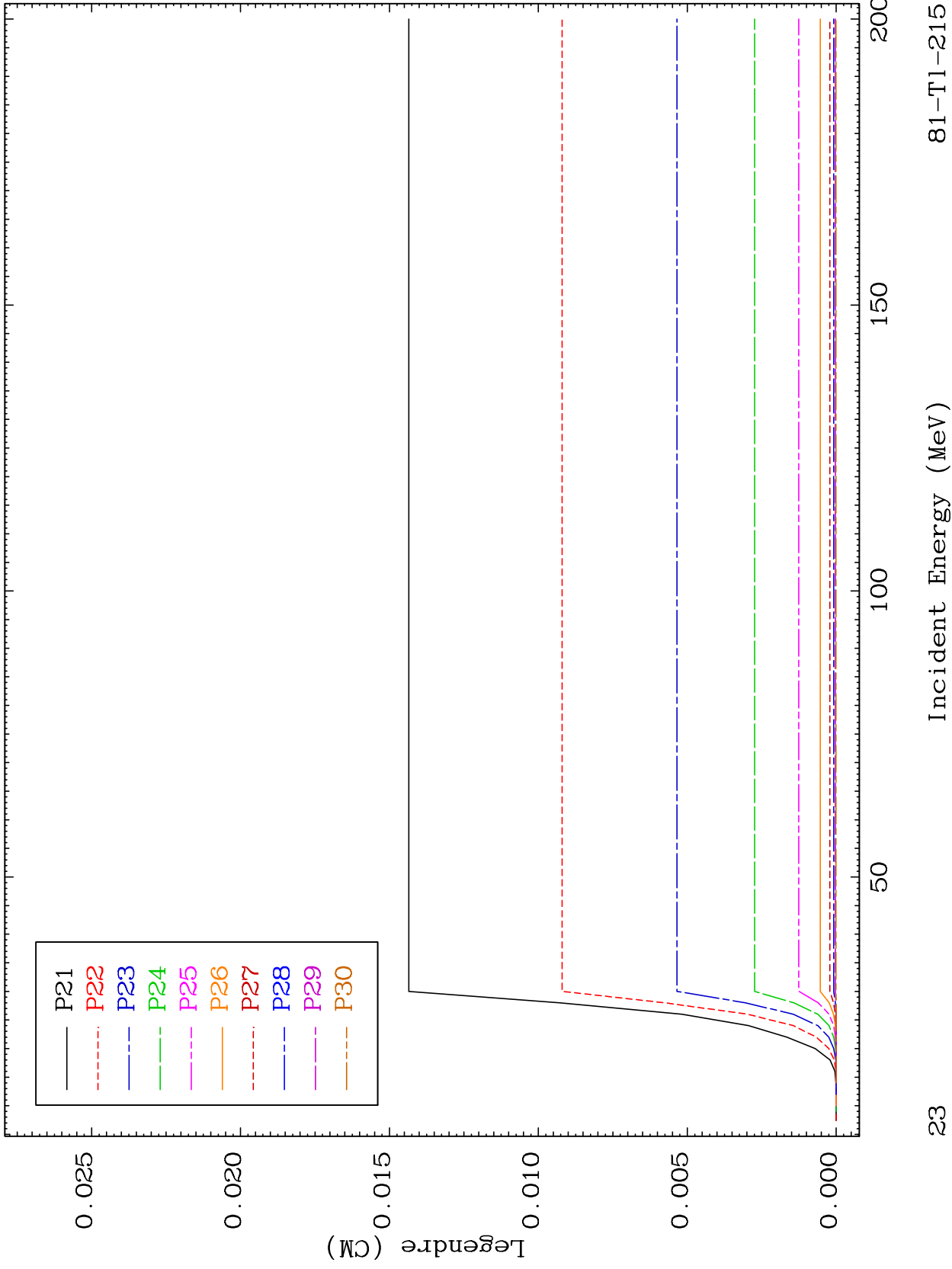
81-T1-215



22

Incident Energy (MeV)

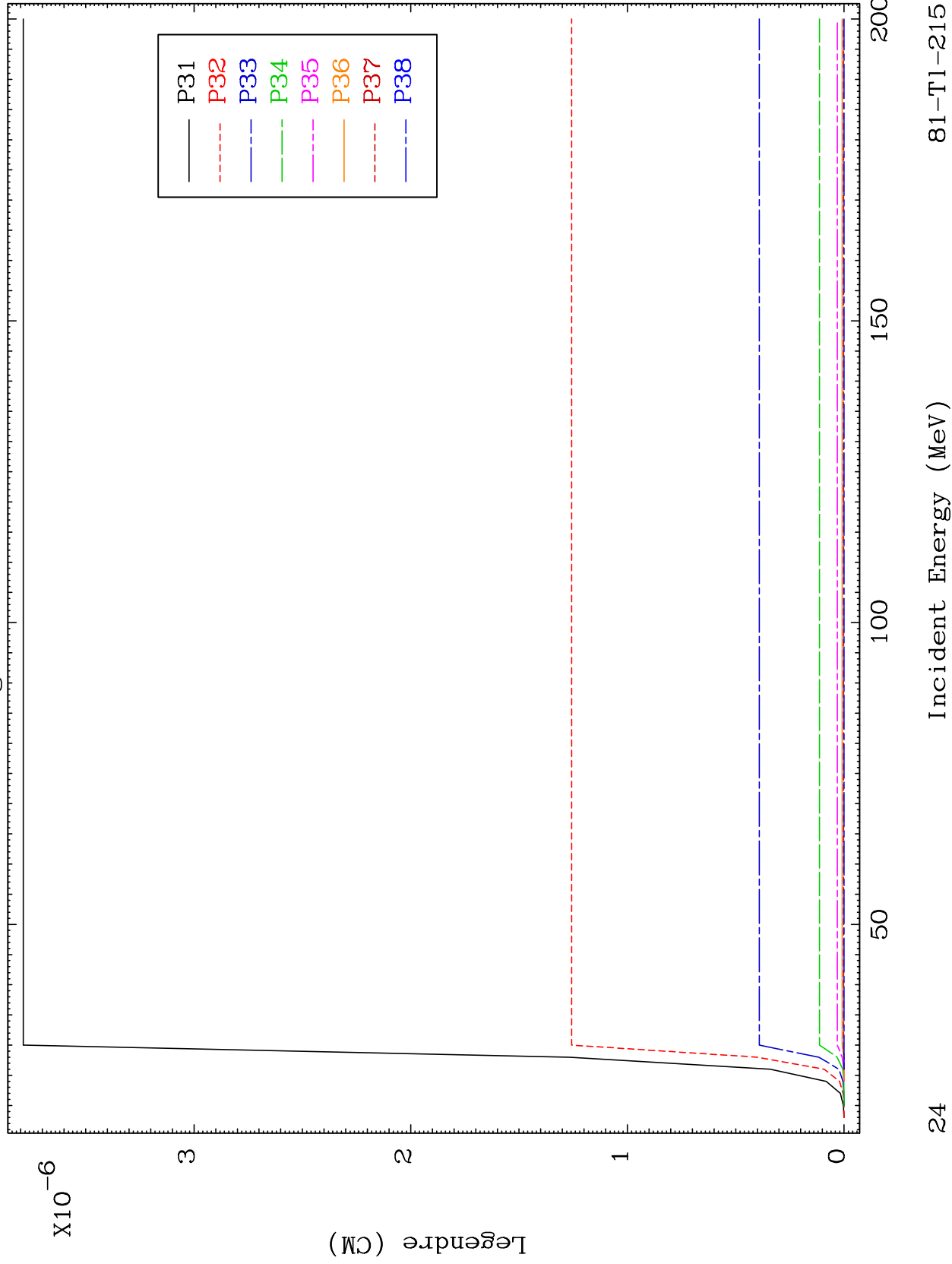
81-T1-215



MAT 8161

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

81-T1-215

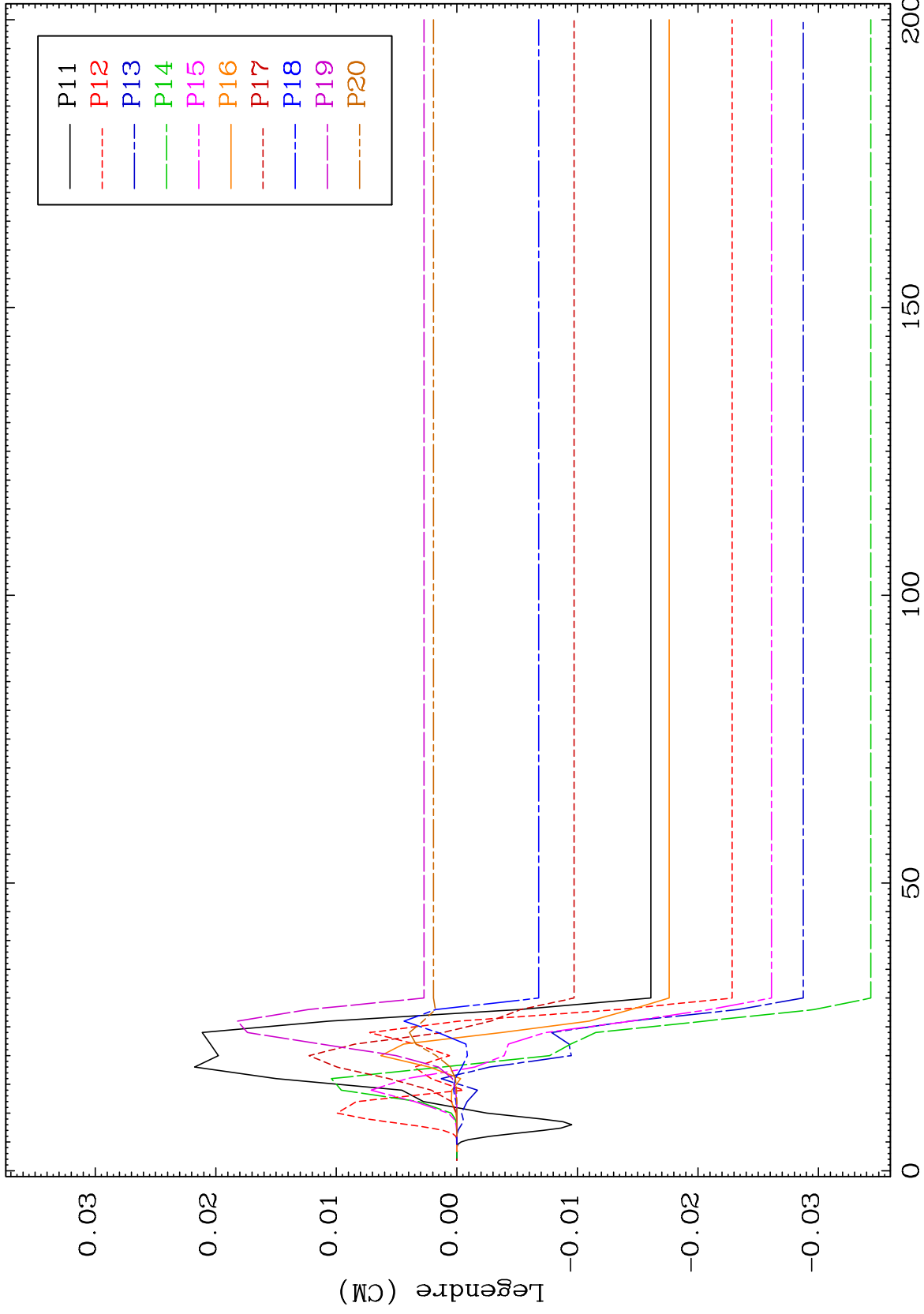




MAT 8161

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

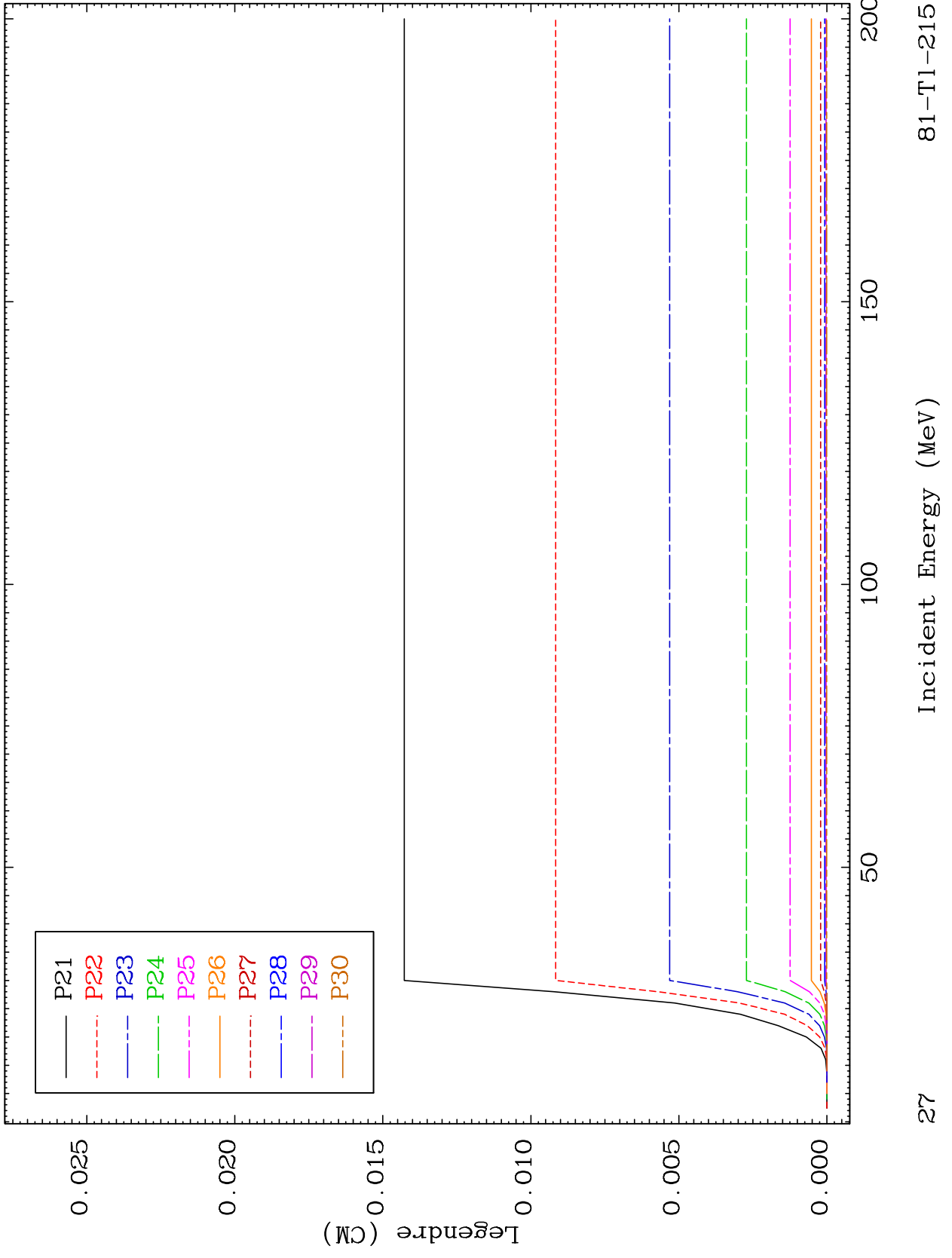
81-T1-215



26

Incident Energy (MeV)

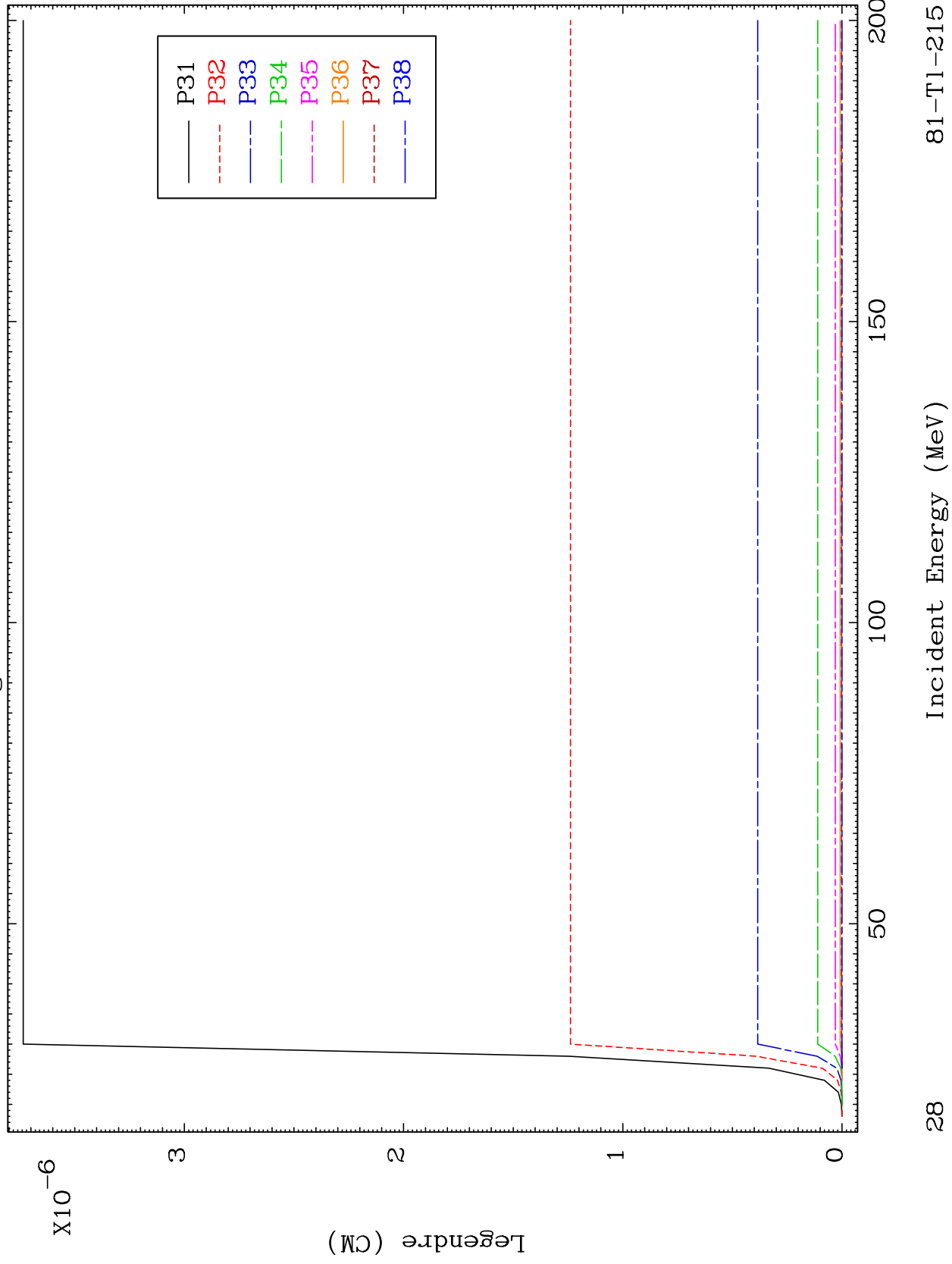
81-T1-215



MAT 8161

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

81-T1-215

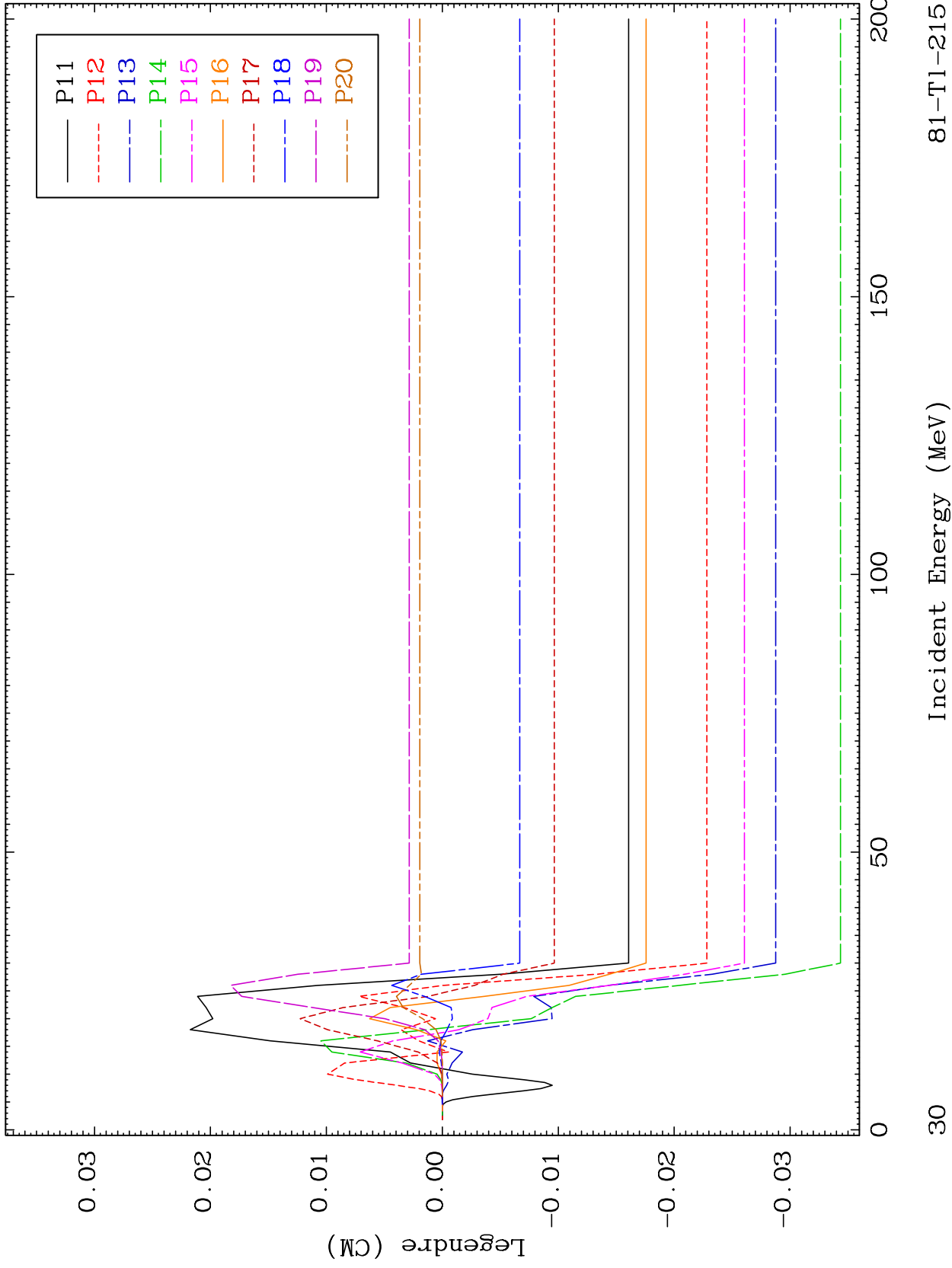




MAT 8161

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

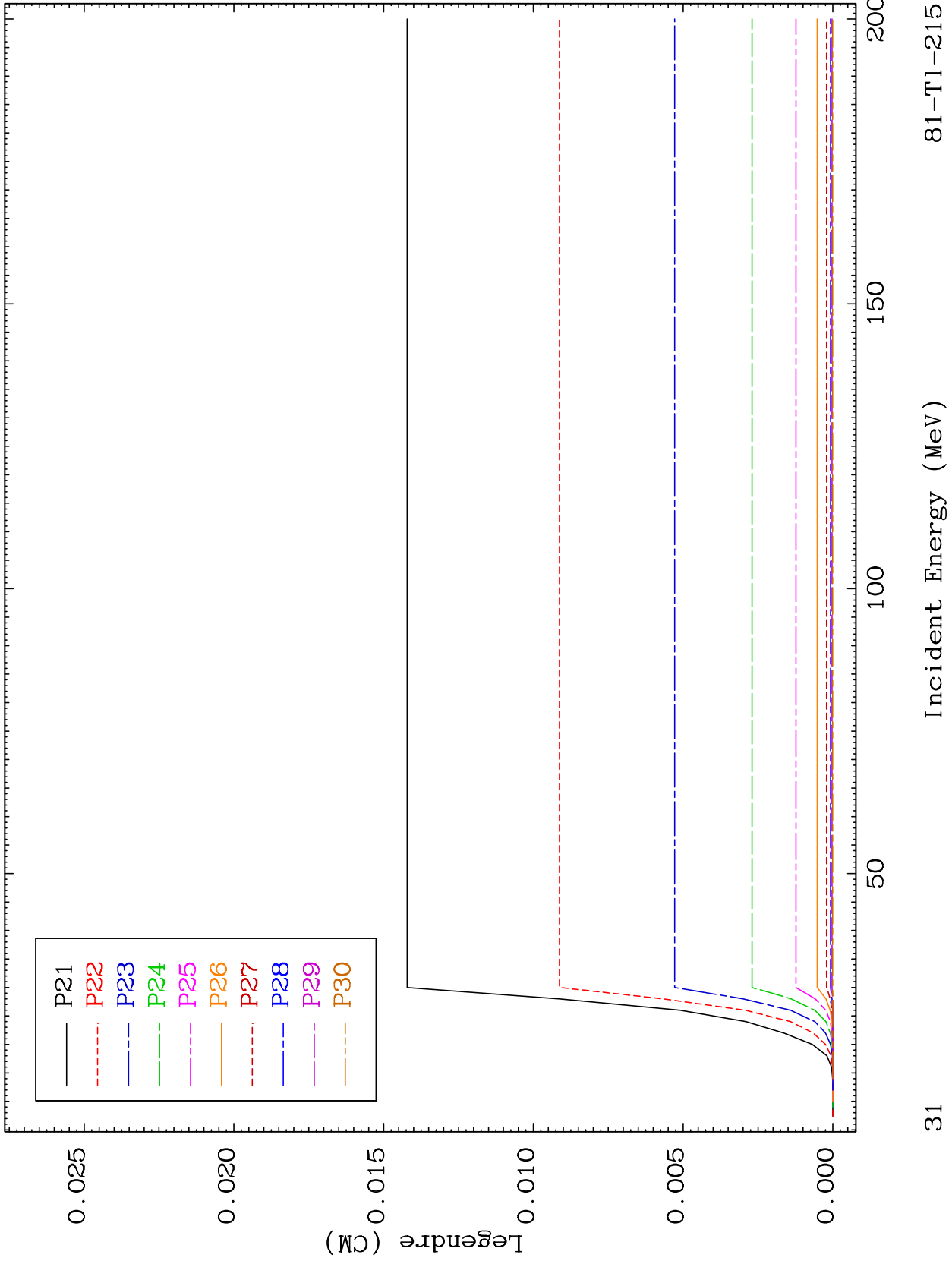
81-T1-215



81-T1-215

Incident Energy (MeV)

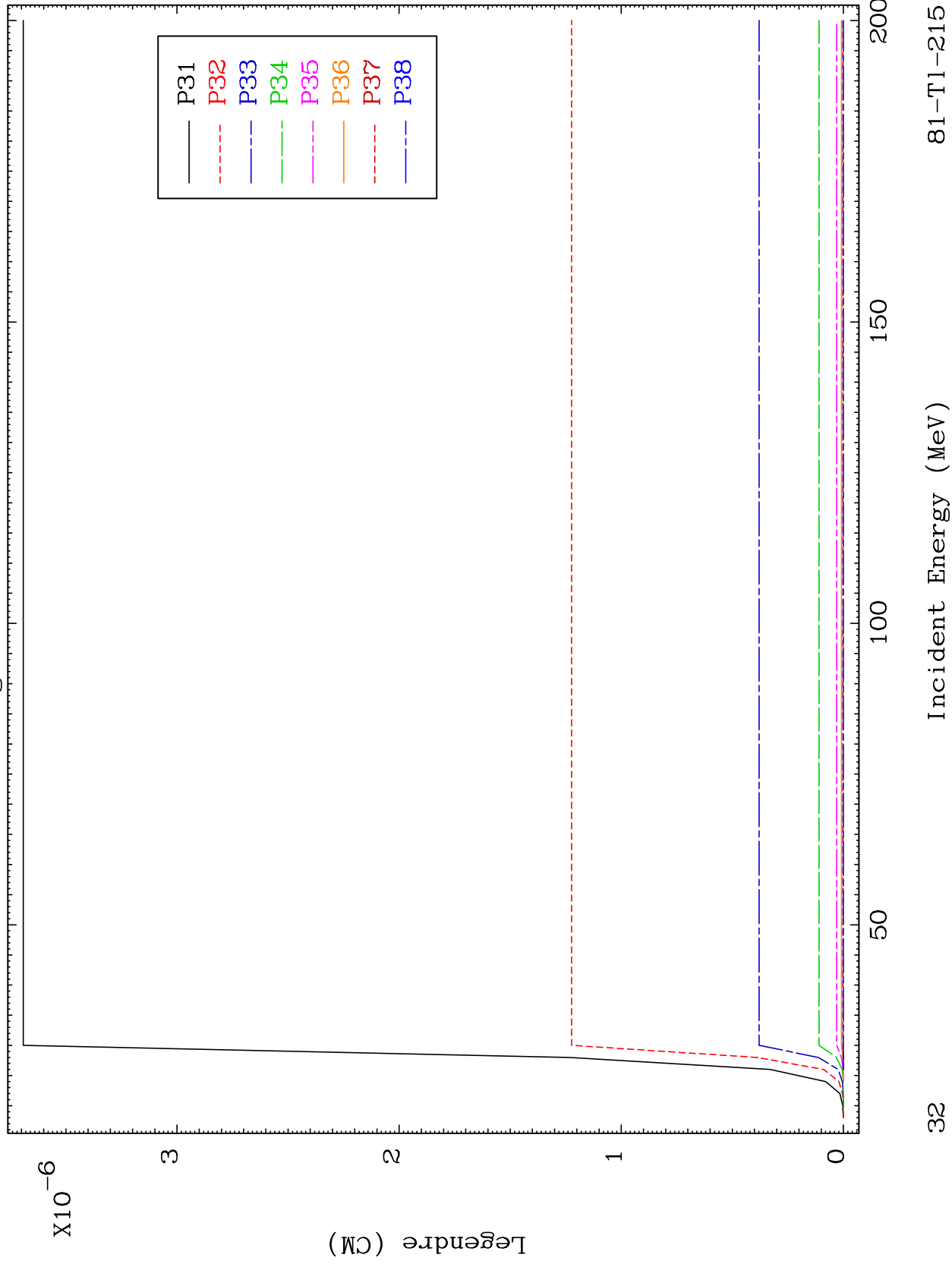
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MAT 8161

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

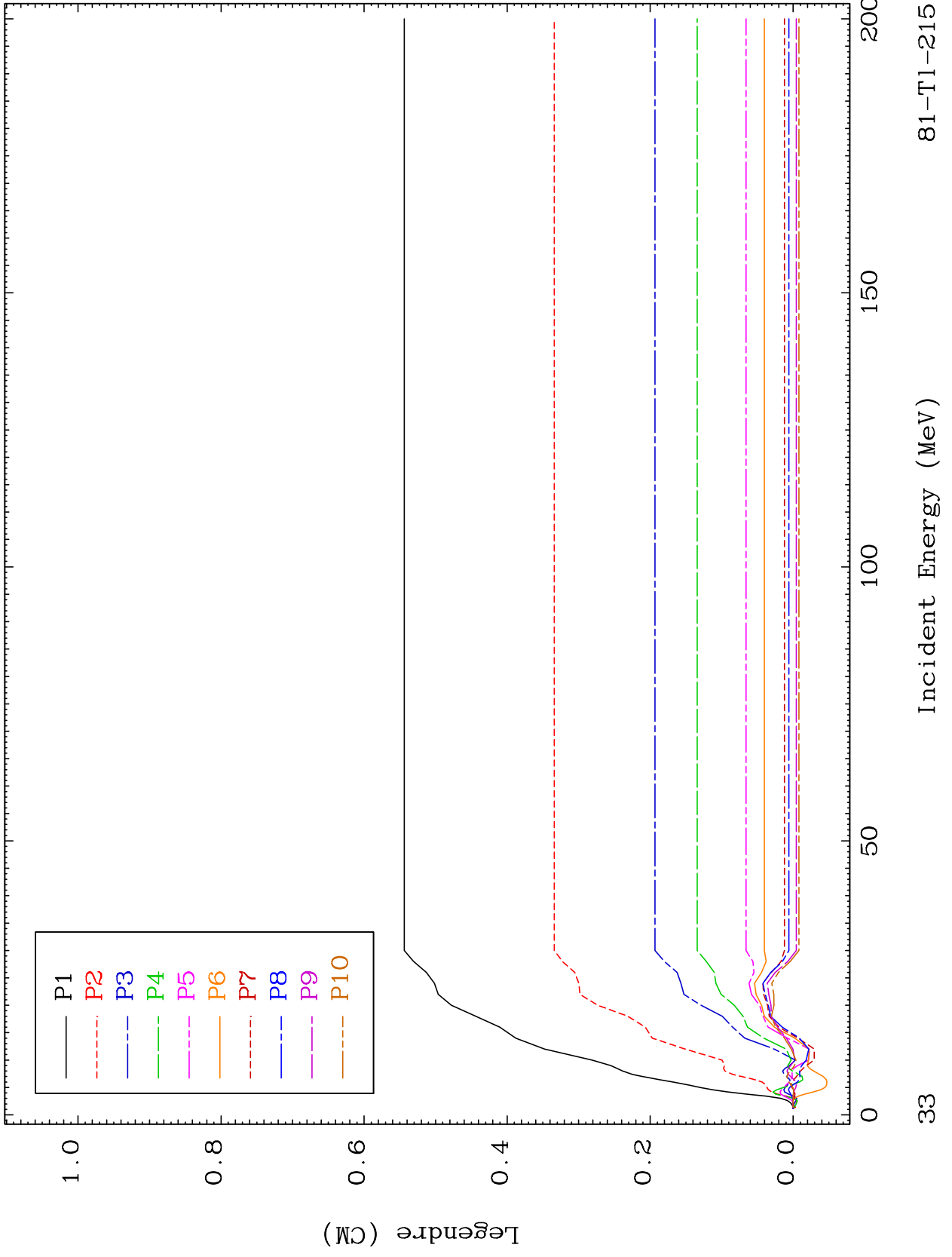
81-T1-215



MAT 8161

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

81-T1-215

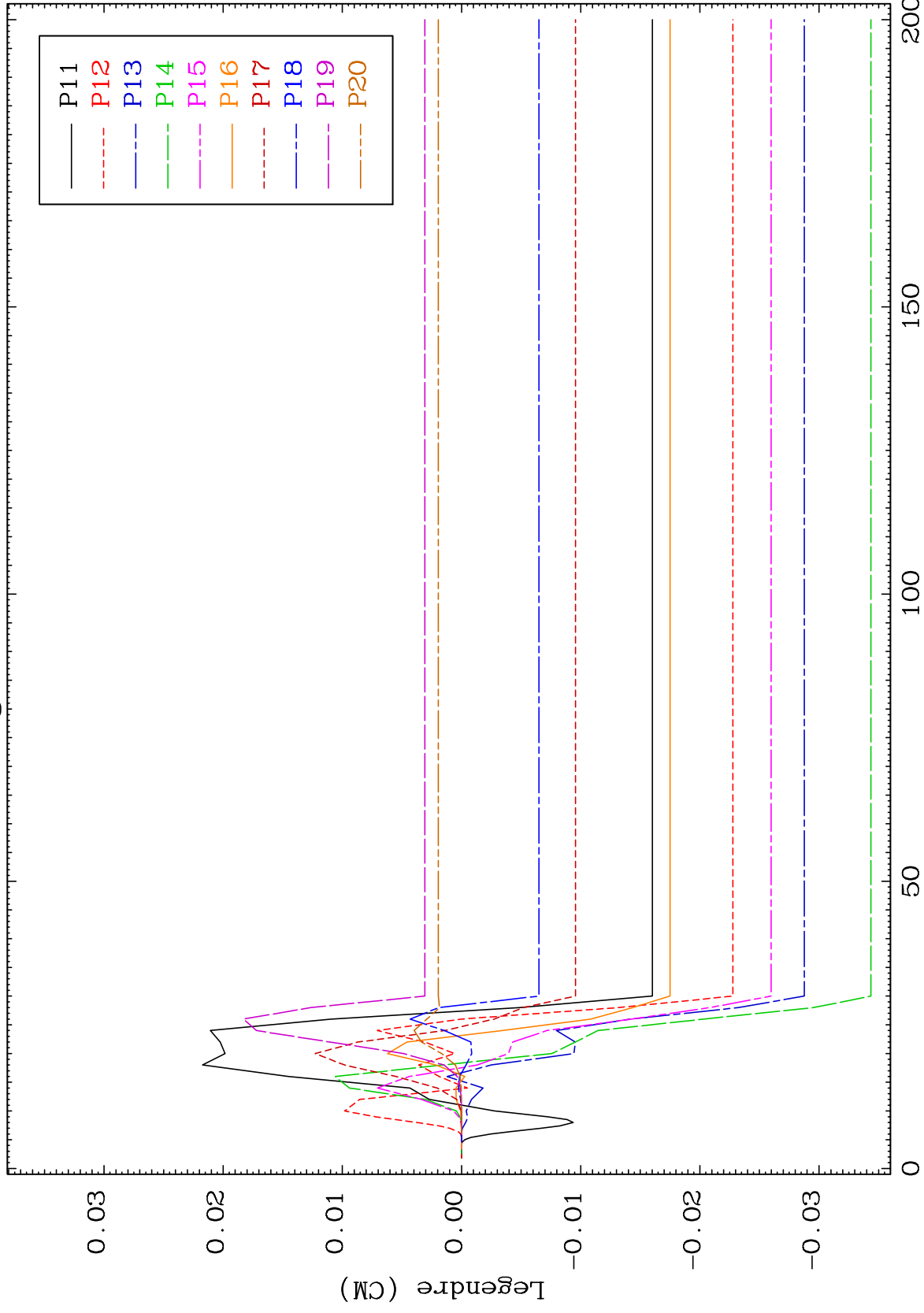


33

MAT 8161

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

81-Tl-215



34

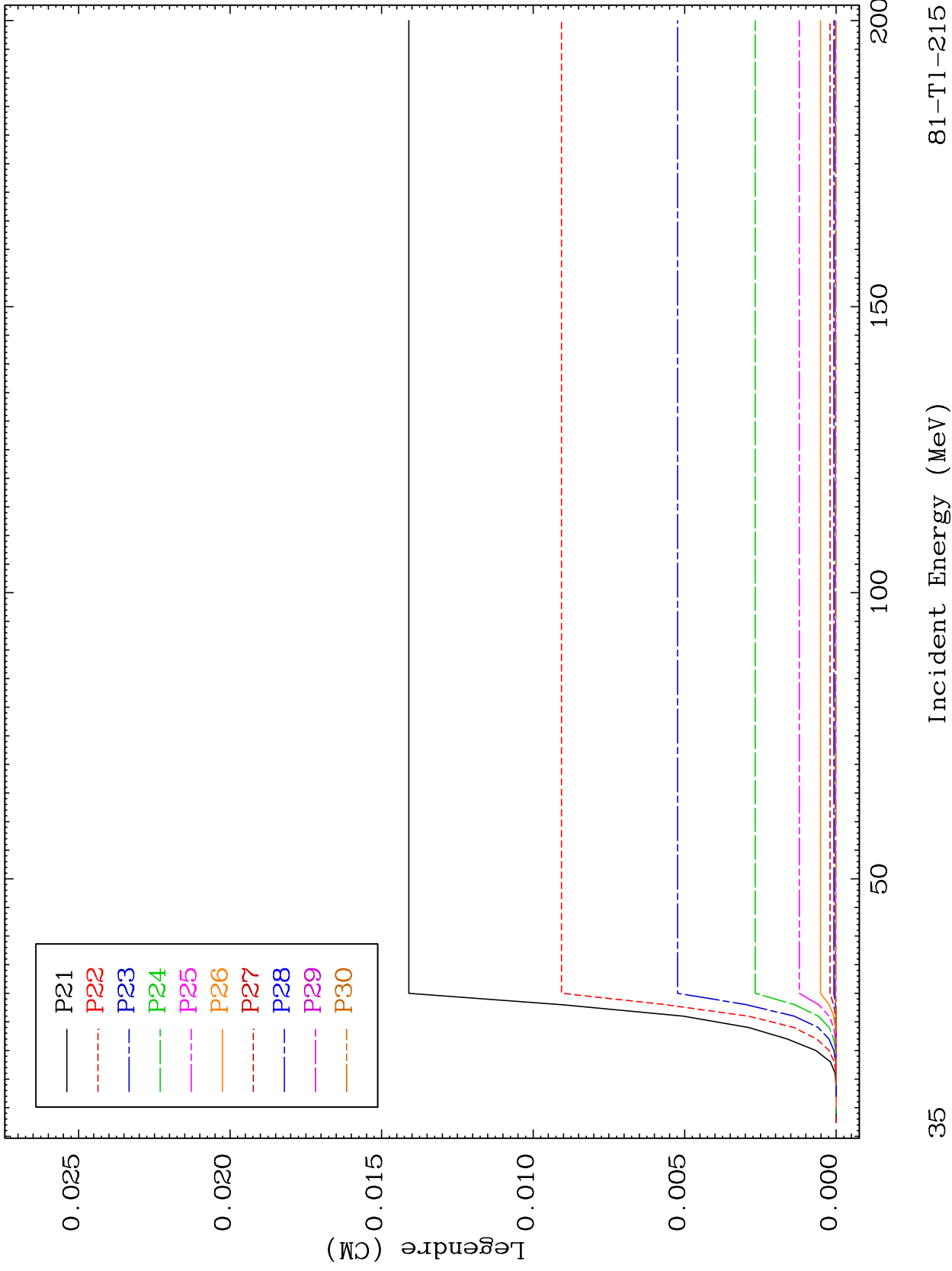
Incident Energy (MeV)

81-Tl-215

MAT 8161

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

81-T1-215



35

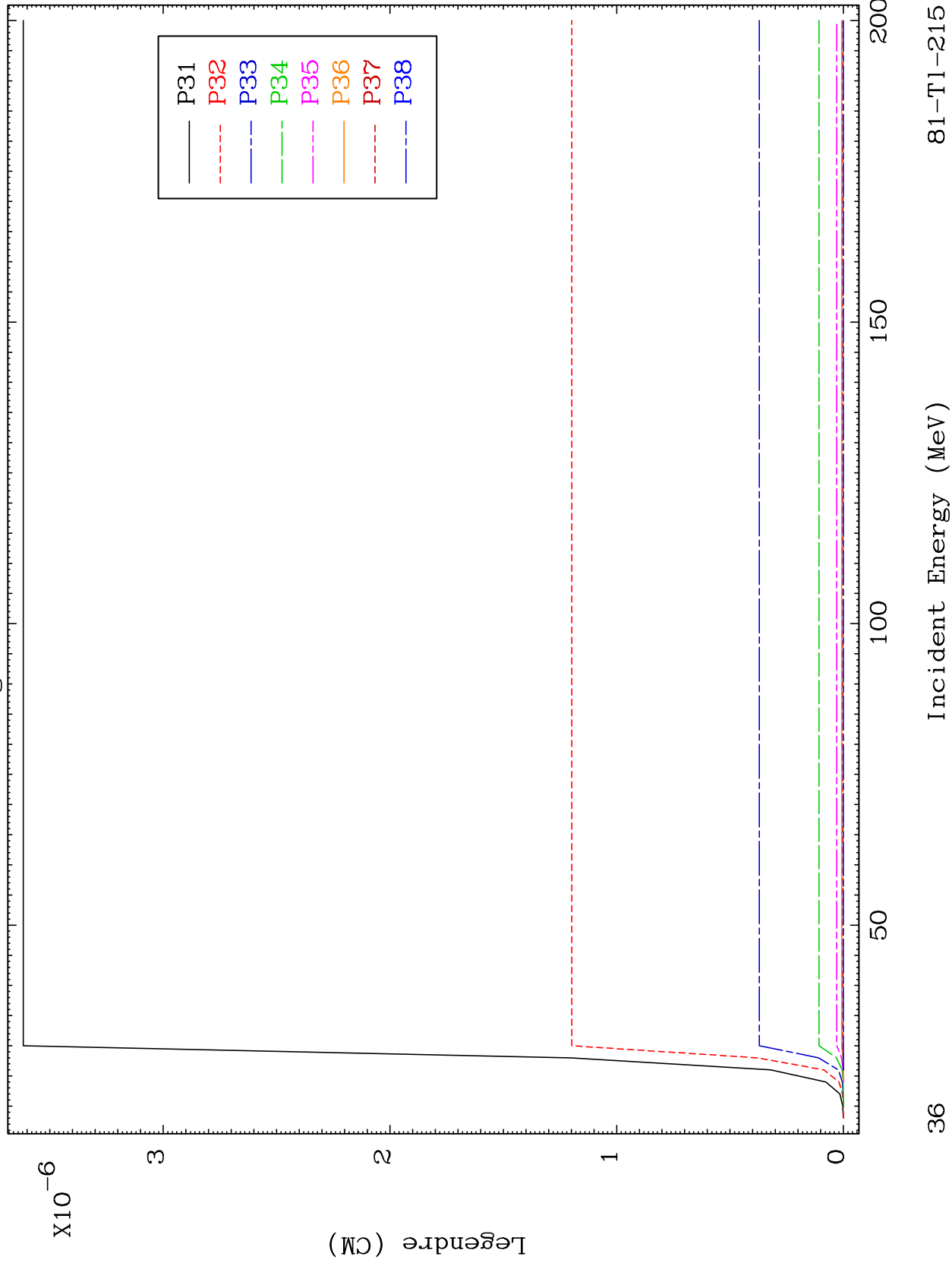
Incident Energy (MeV)

81-T1-215

MAT 8161

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

81-T1-215



36

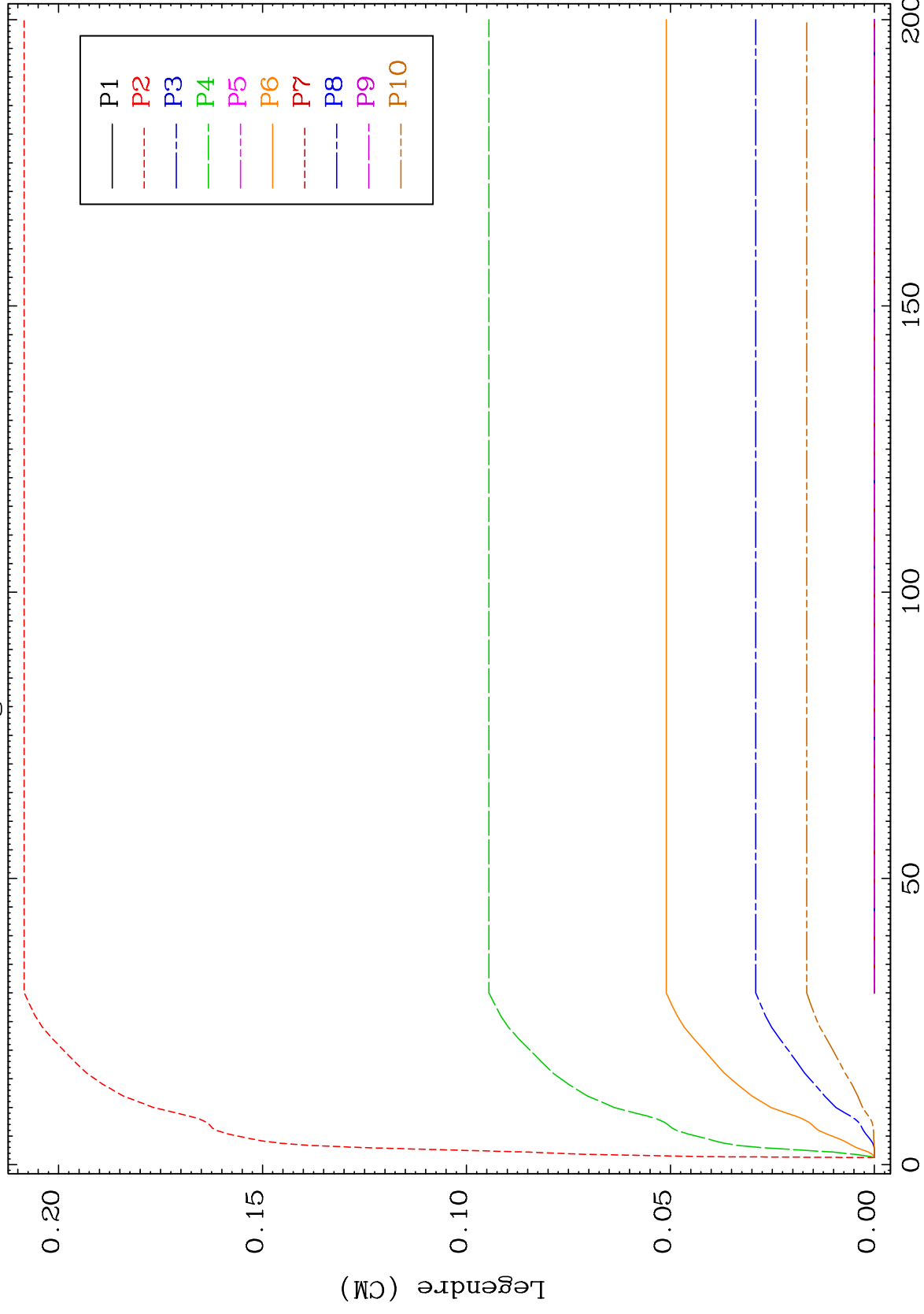
Incident Energy (MeV)

81-T1-215

MAT 8161

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

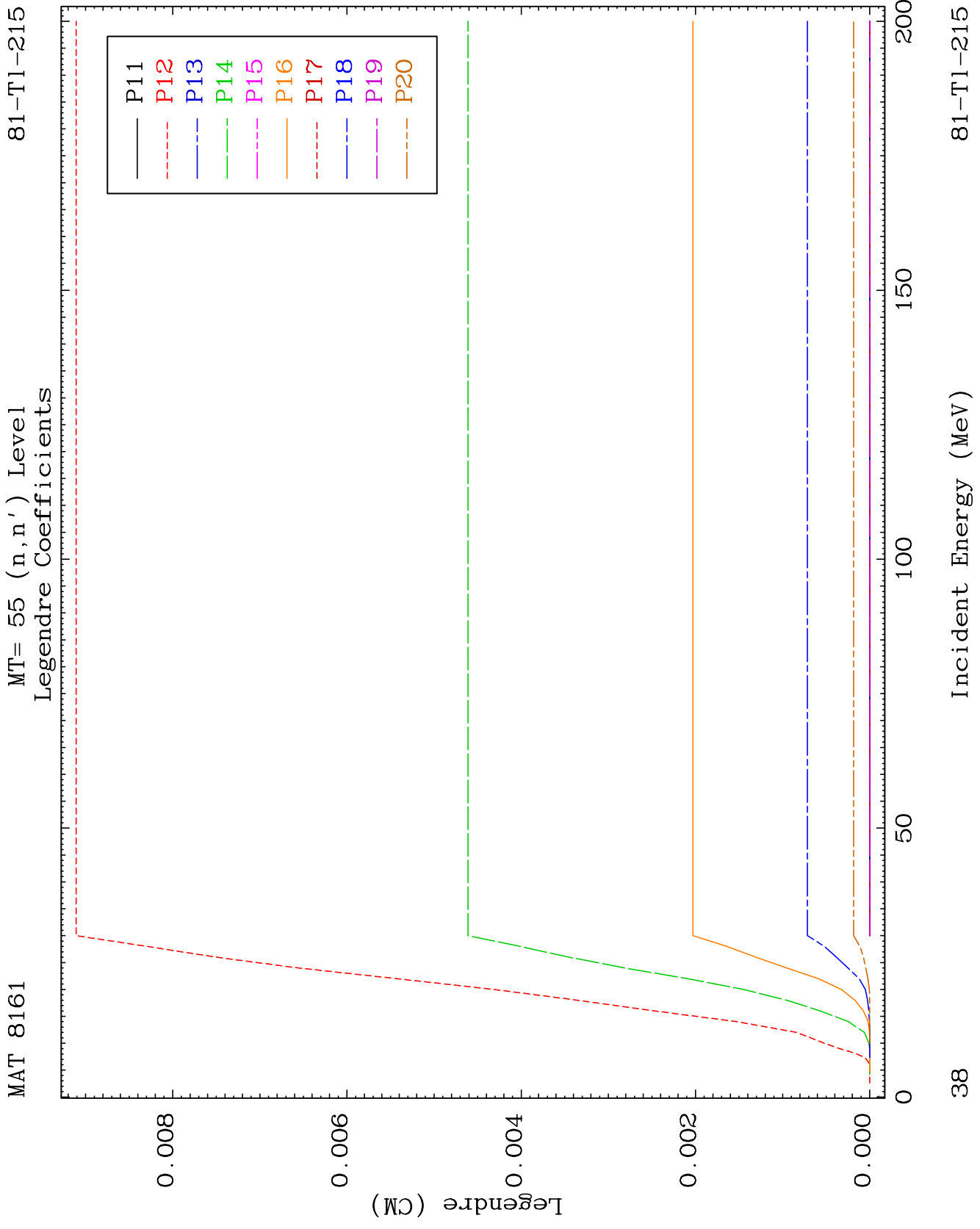
81-T1-215



81-T1-215

Incident Energy (MeV)

37

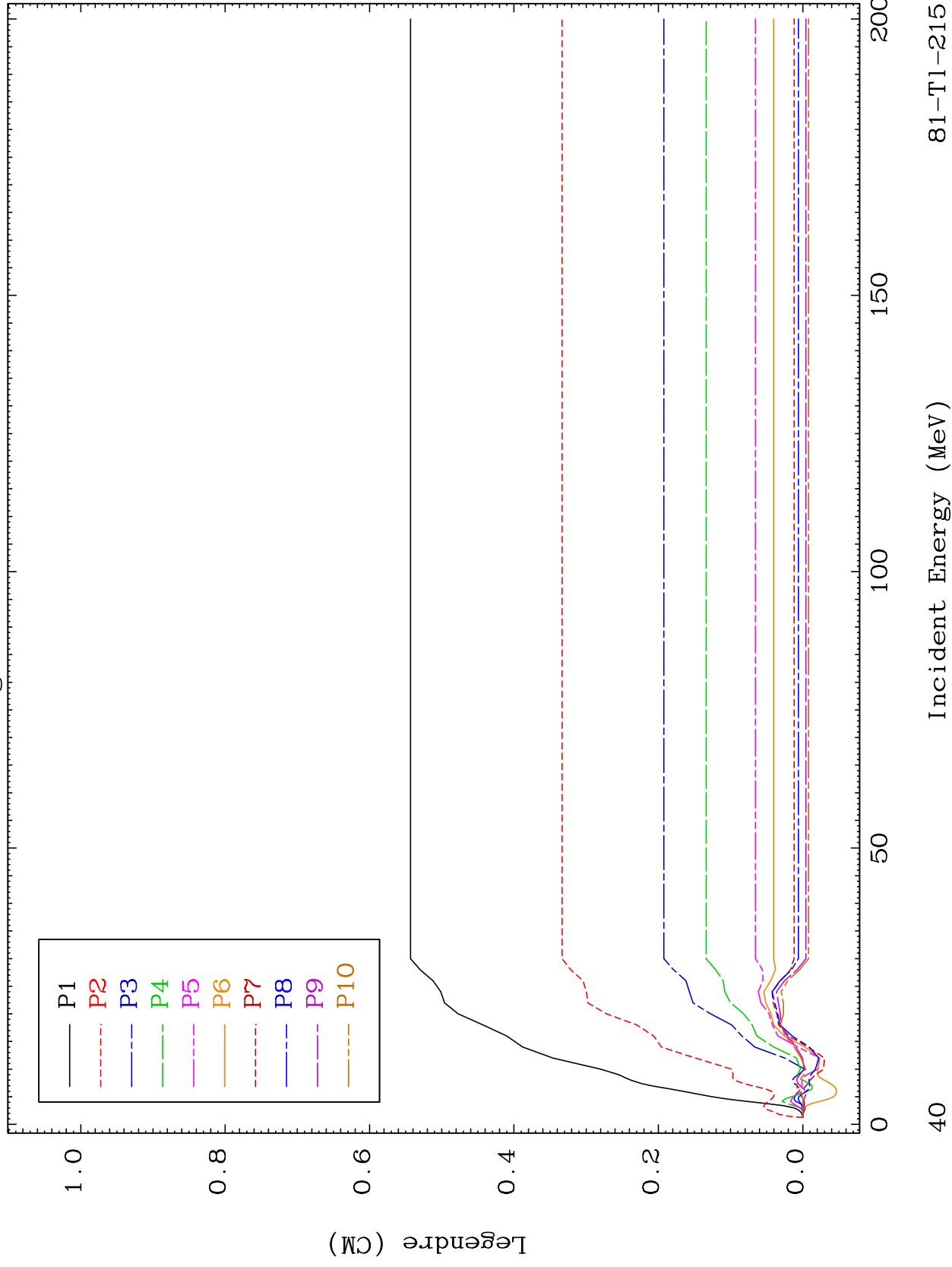




MAT 8161

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

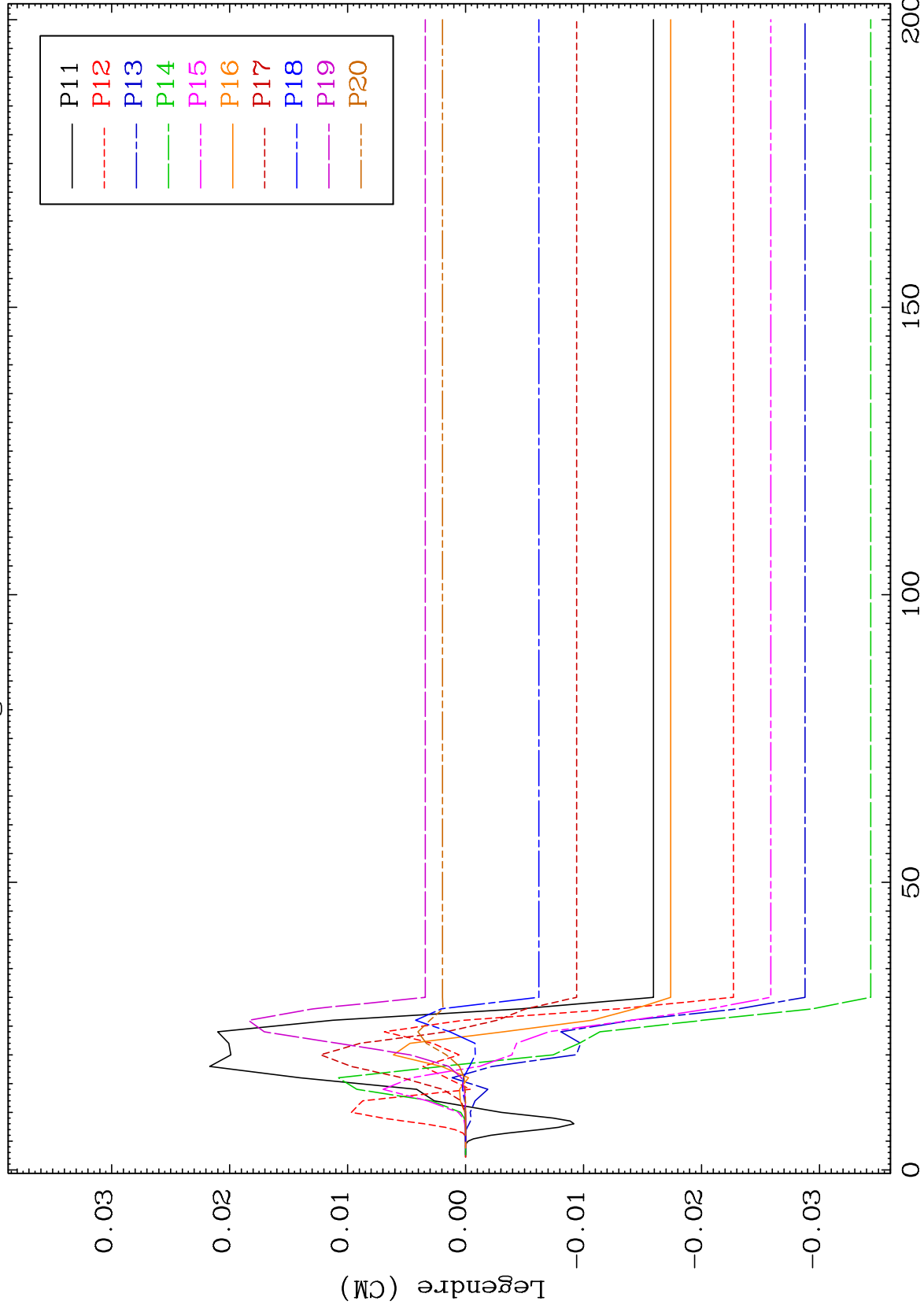
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MAT 8161

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

81-T1-215



41

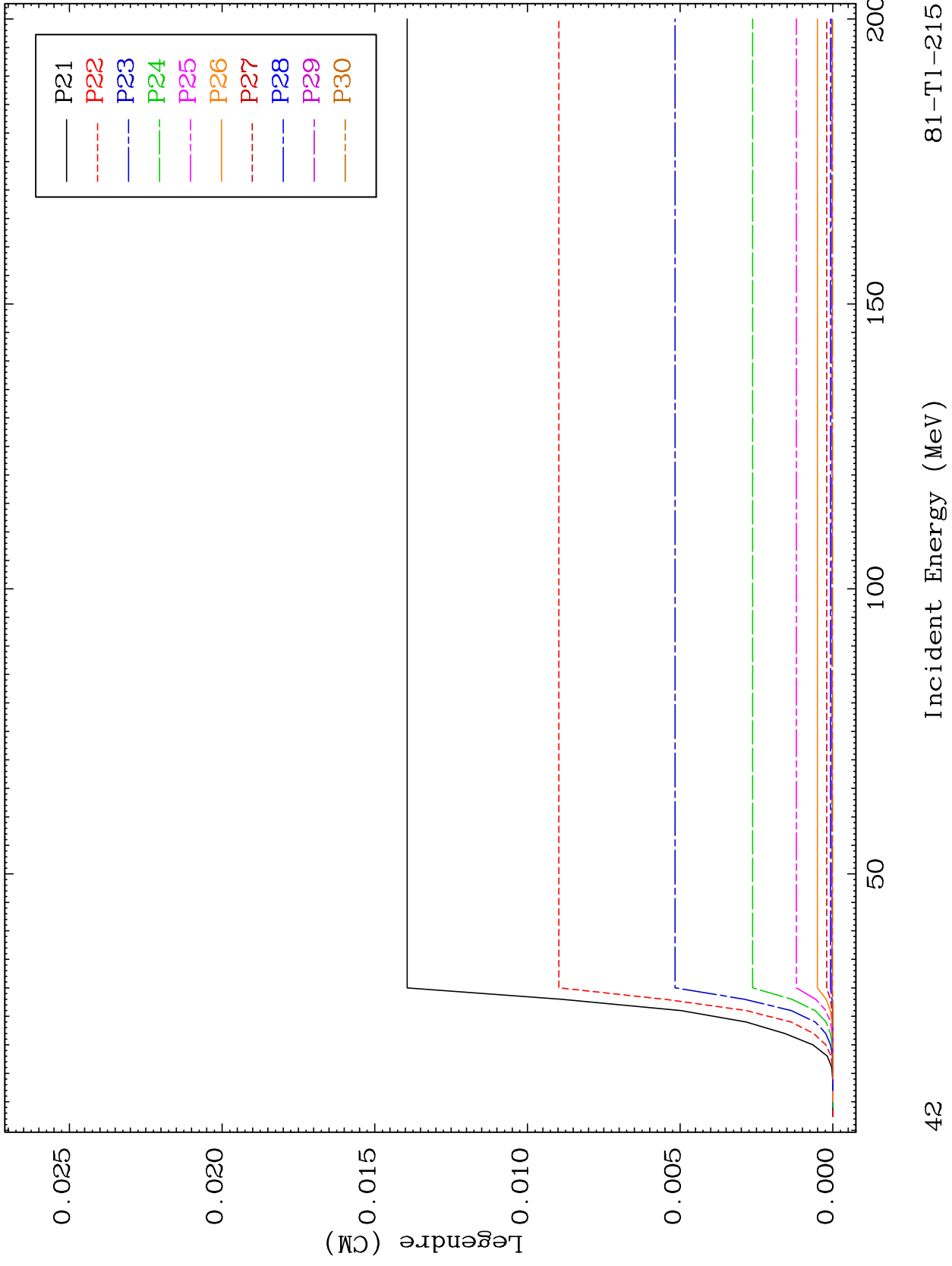
Incident Energy (MeV)

81-T1-215

MAT 8161

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

81-Tl-215



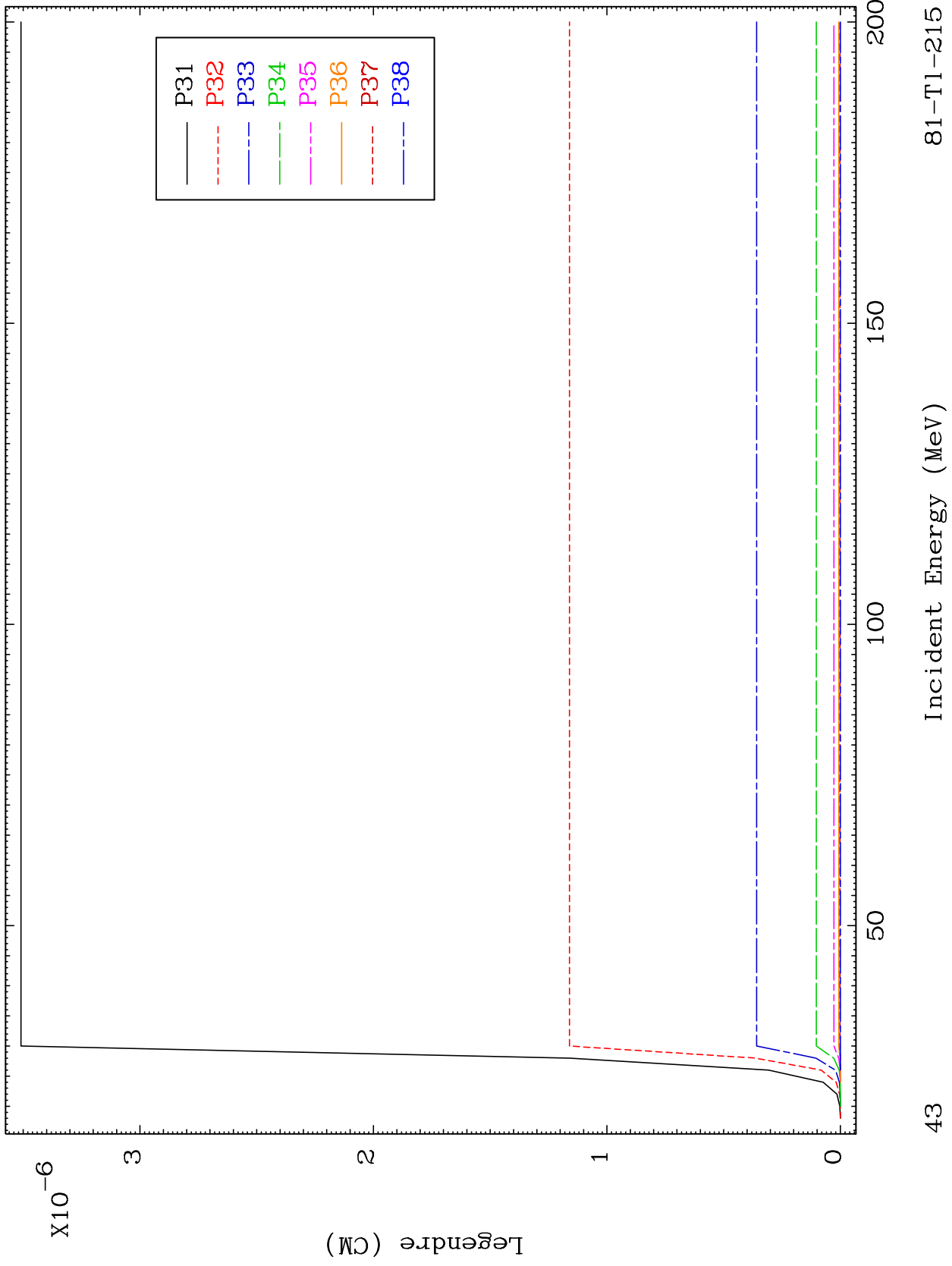
42

81-Tl-215

MAT 8161

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

81-T1-215



43

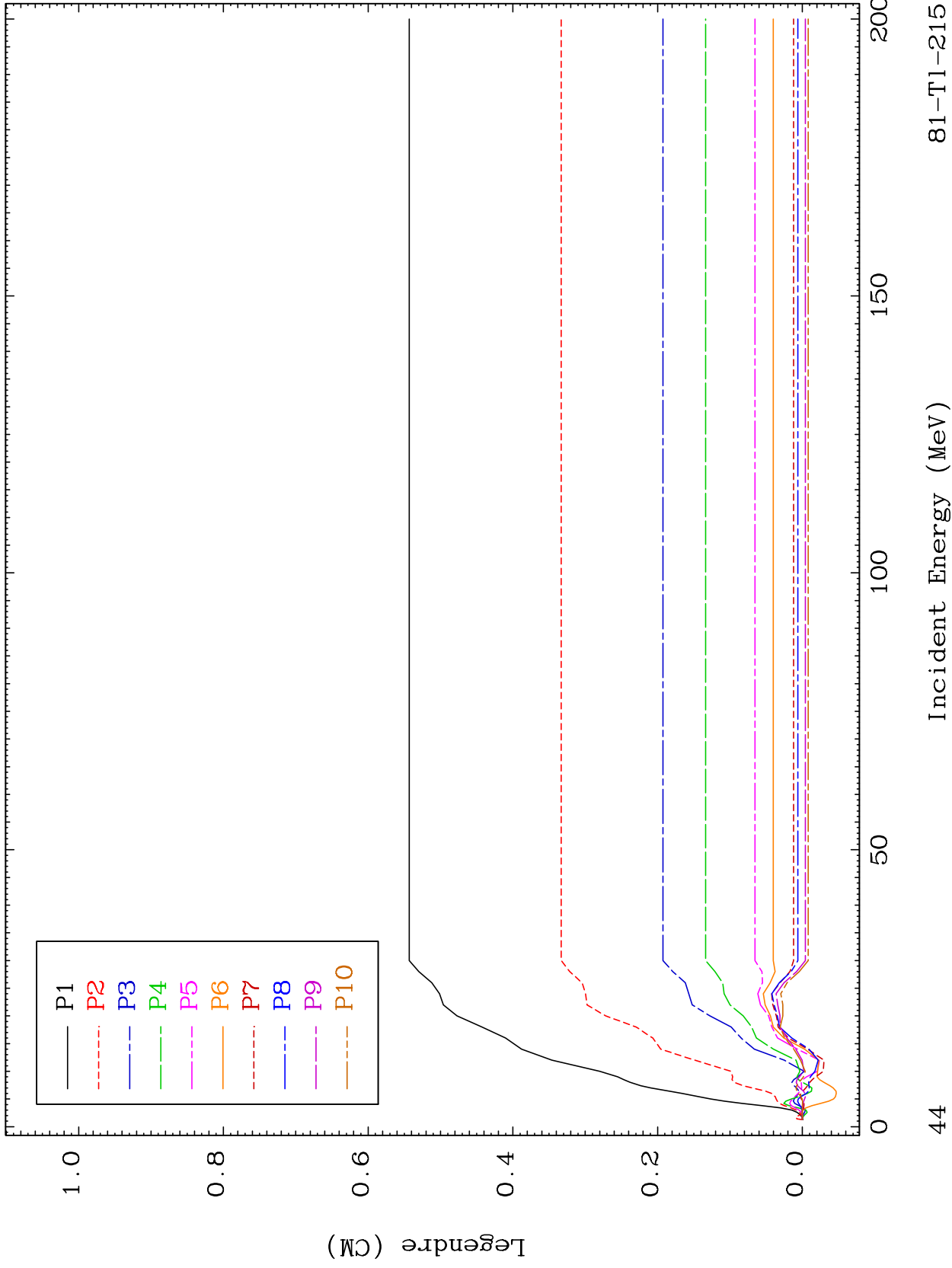
Incident Energy (MeV)

81-T1-215

MAT 8161

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

81-T1-215

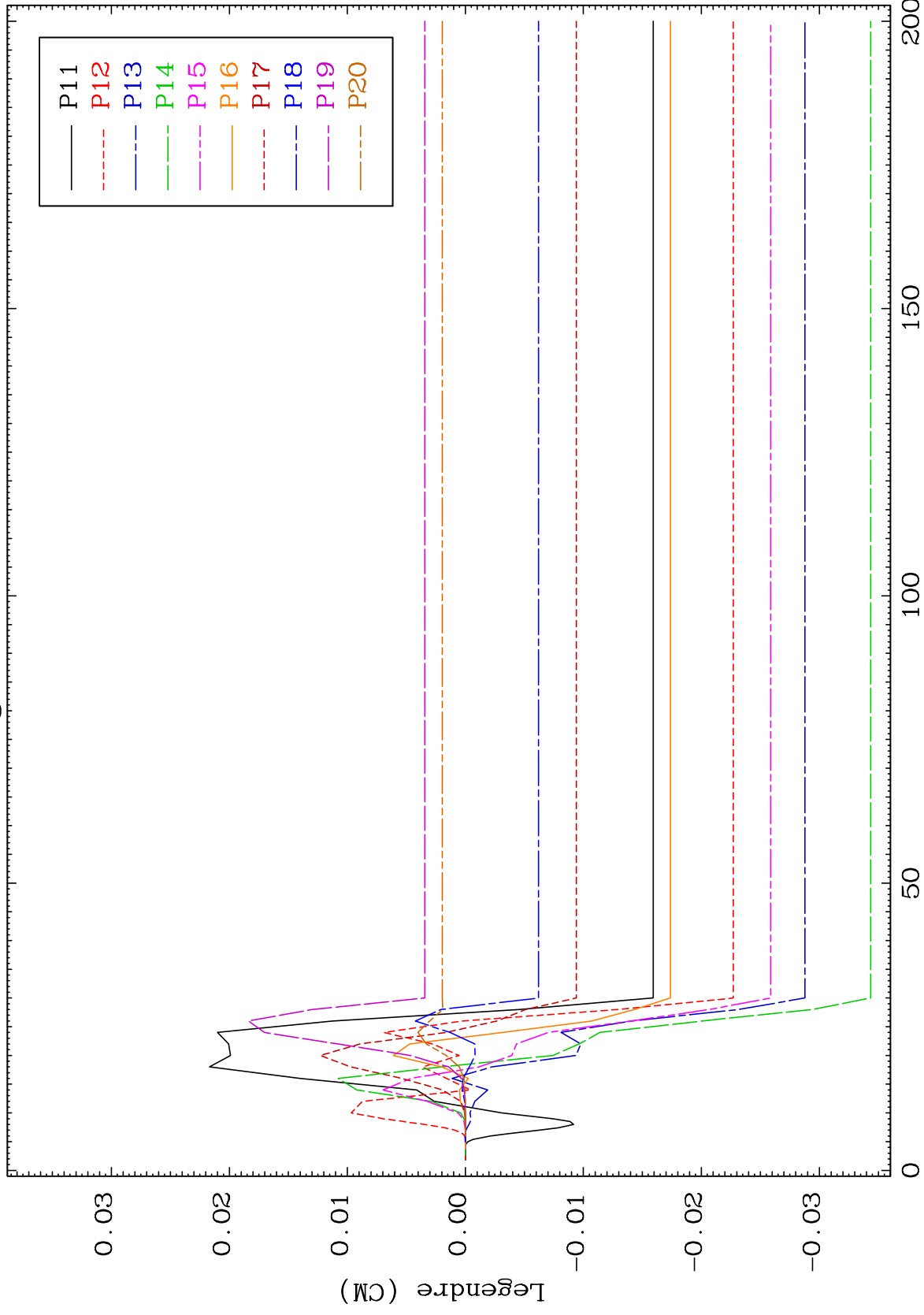


44

MAT 8161

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

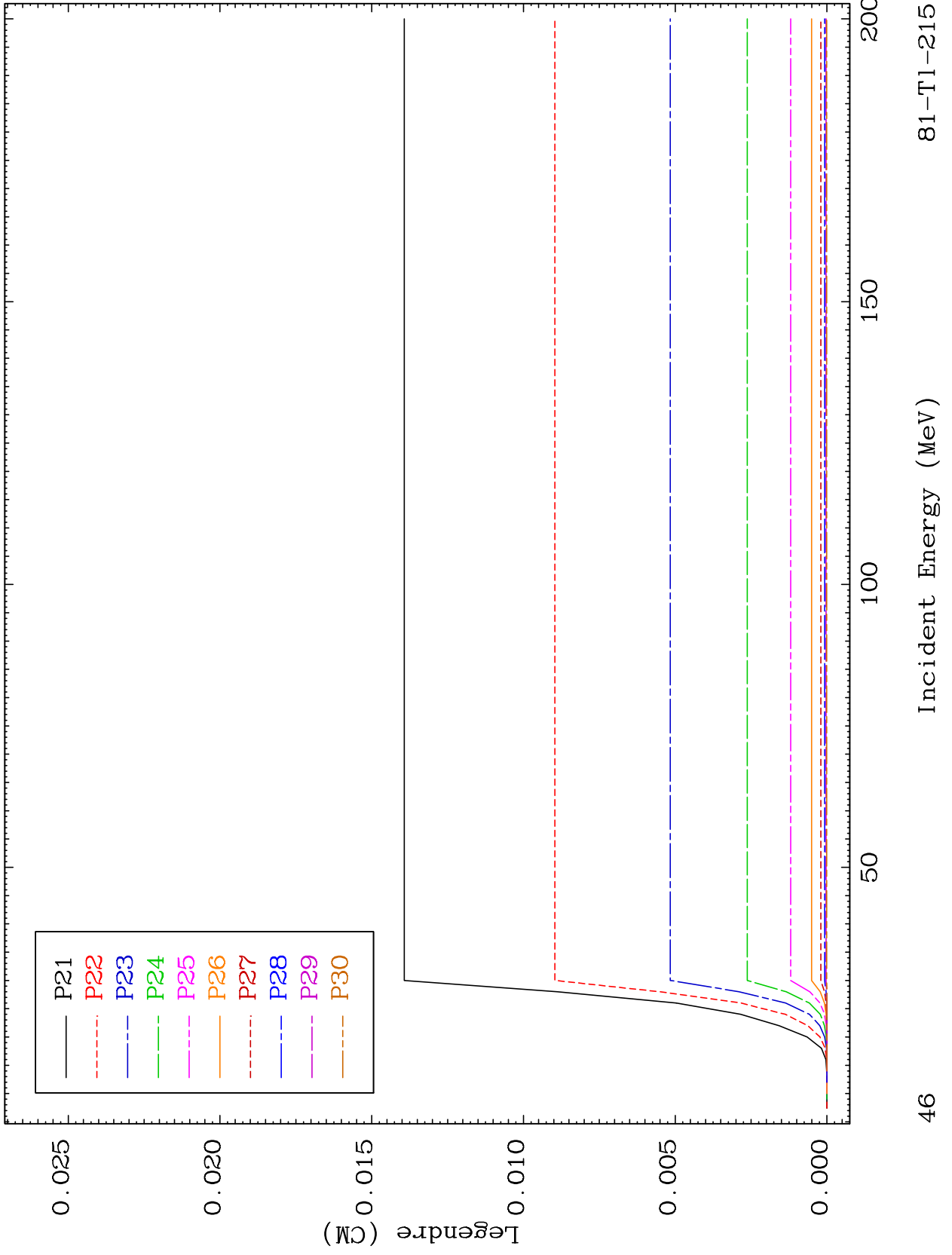
81-T1-215



81-T1-215

Incident Energy (MeV)

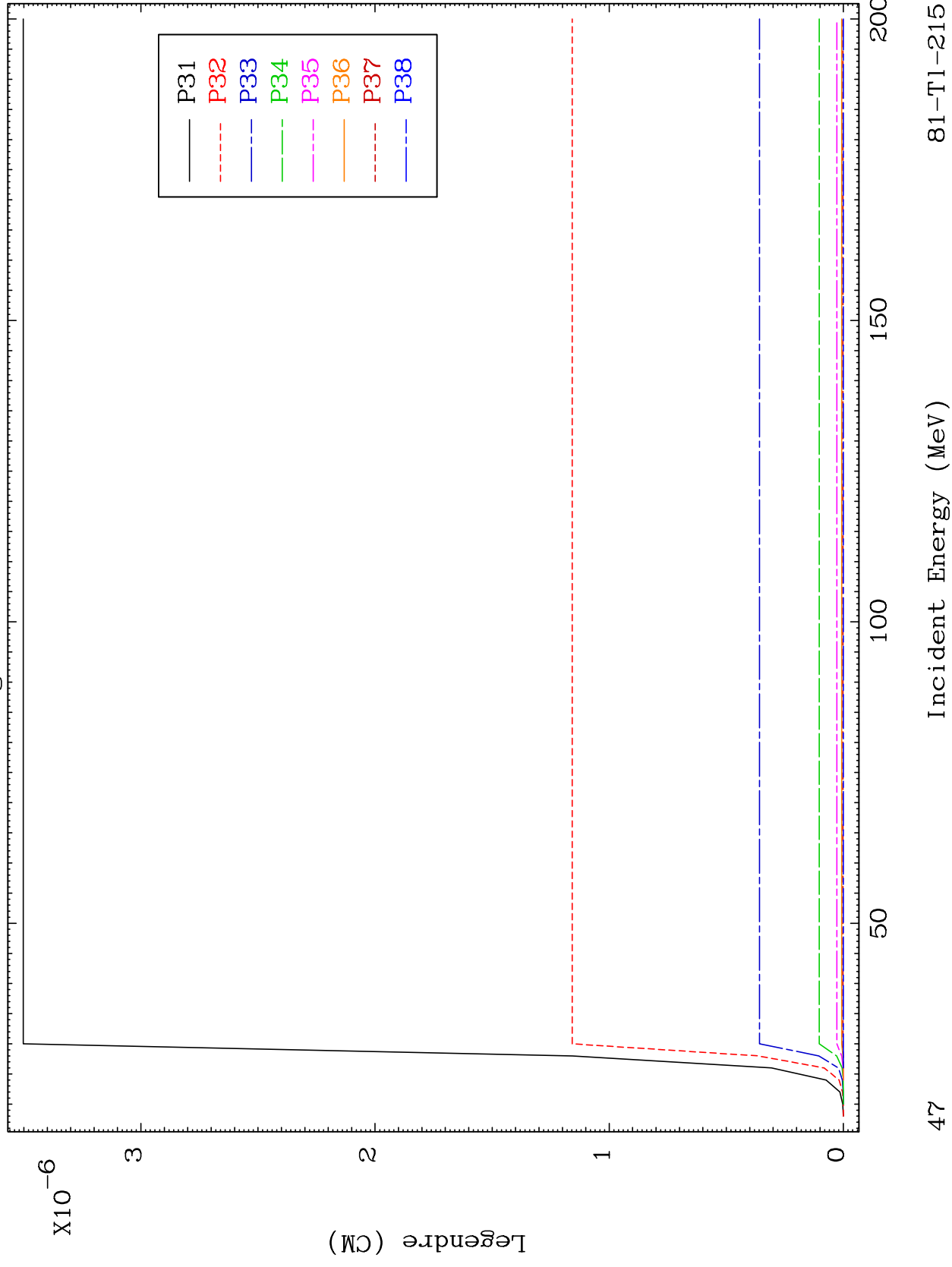
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MAT 8161

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

81-T1-215



47

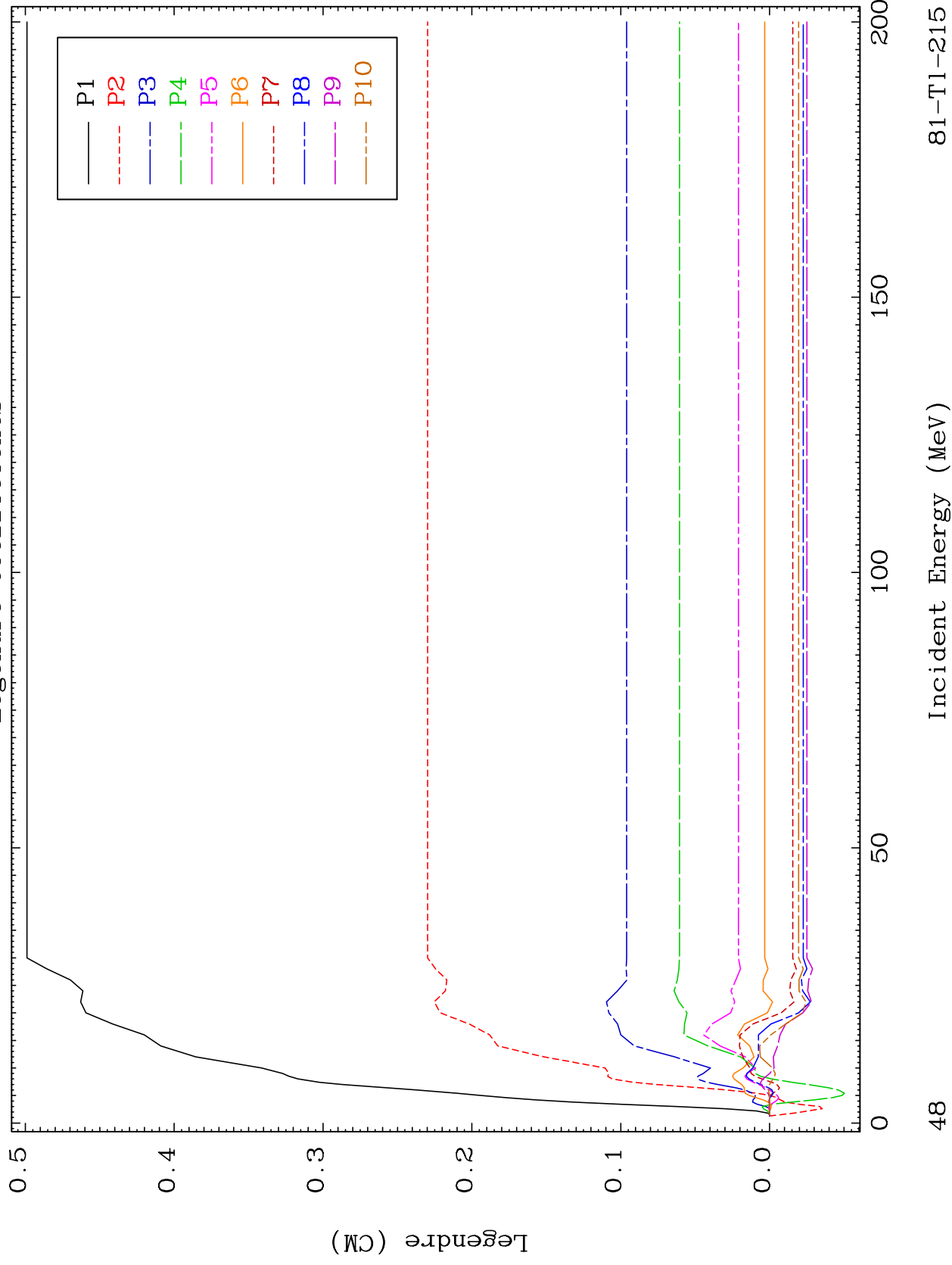
Incident Energy (MeV)

81-T1-215

MAT 8161

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

81-T1-215



81-T1-215

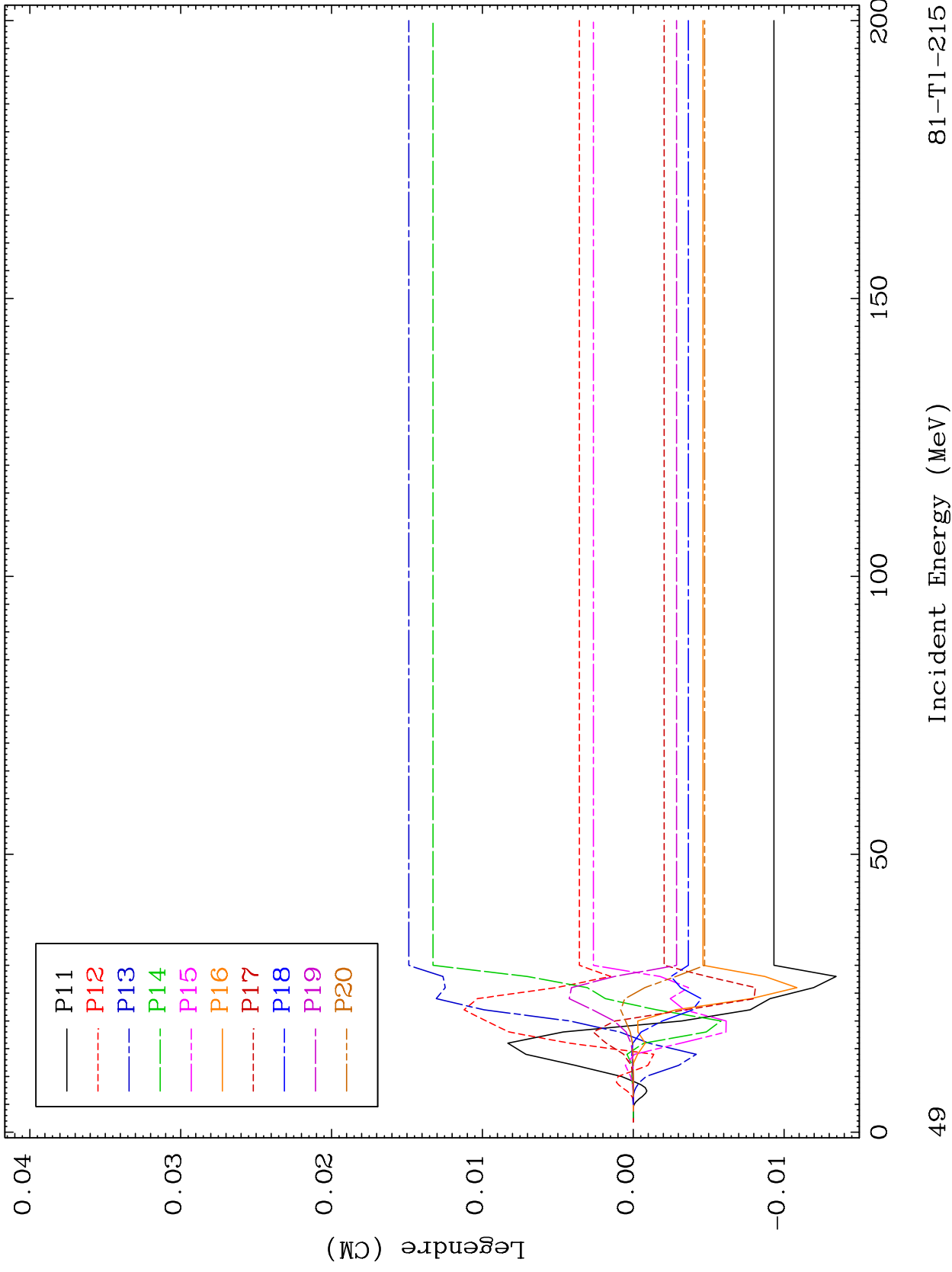
Incident Energy (MeV)

48

MAT 8161

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

81-T1-215

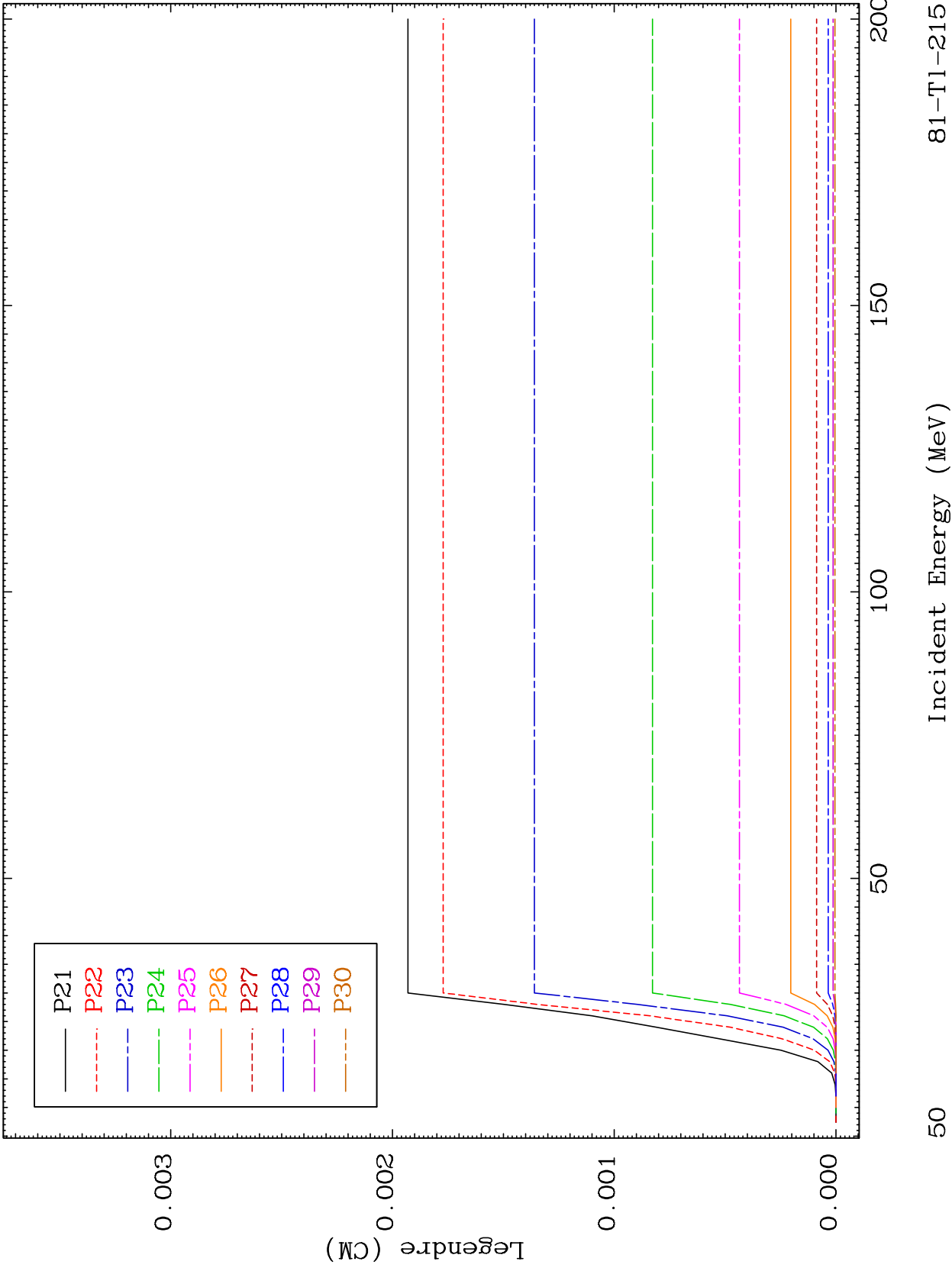


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MAT 8161

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

81-Tl-215



81-Tl-215

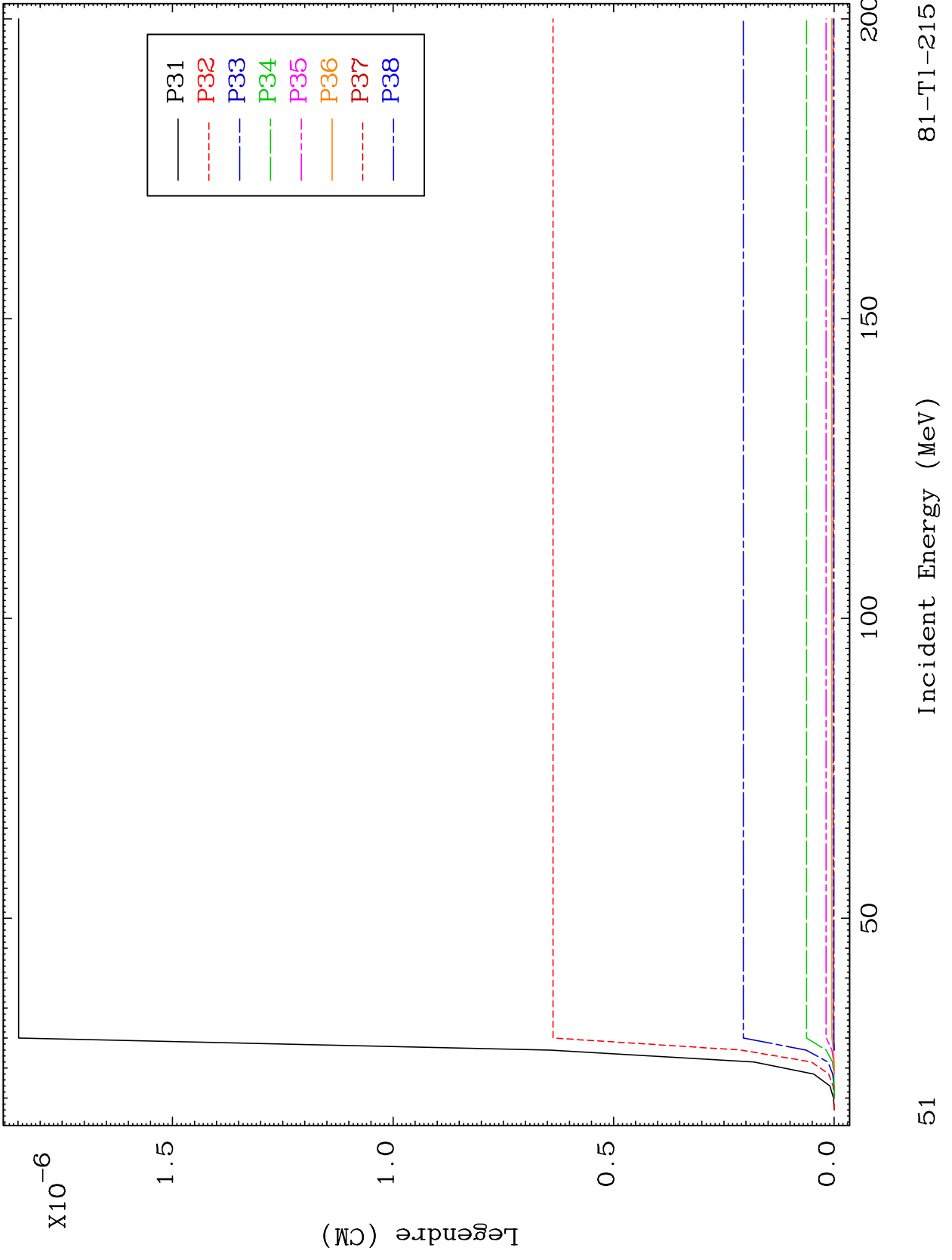
Incident Energy (MeV)

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MAT 8161

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

81-T1-215



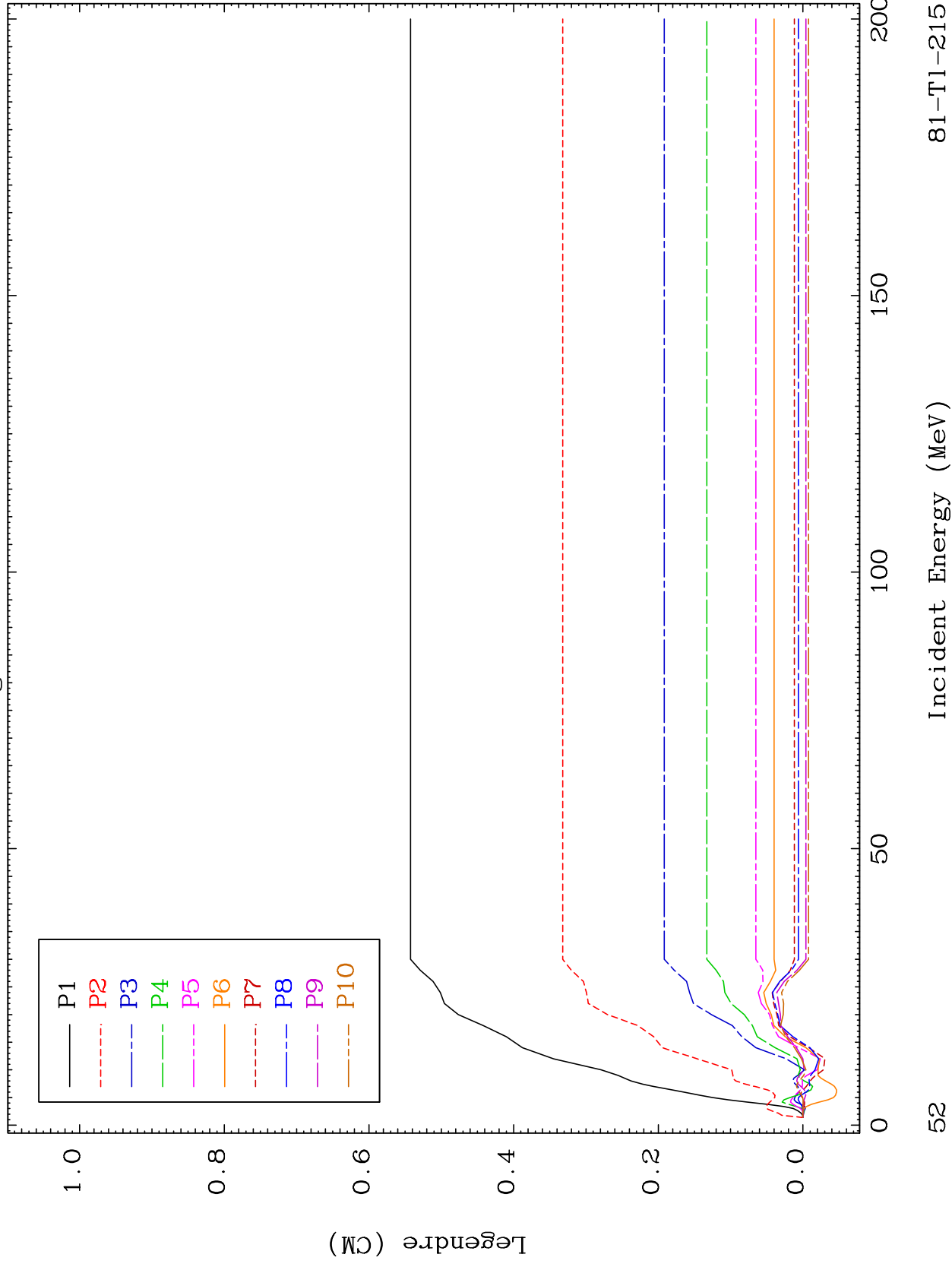
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81-T1-215

MAT 8161

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

81-T1-215

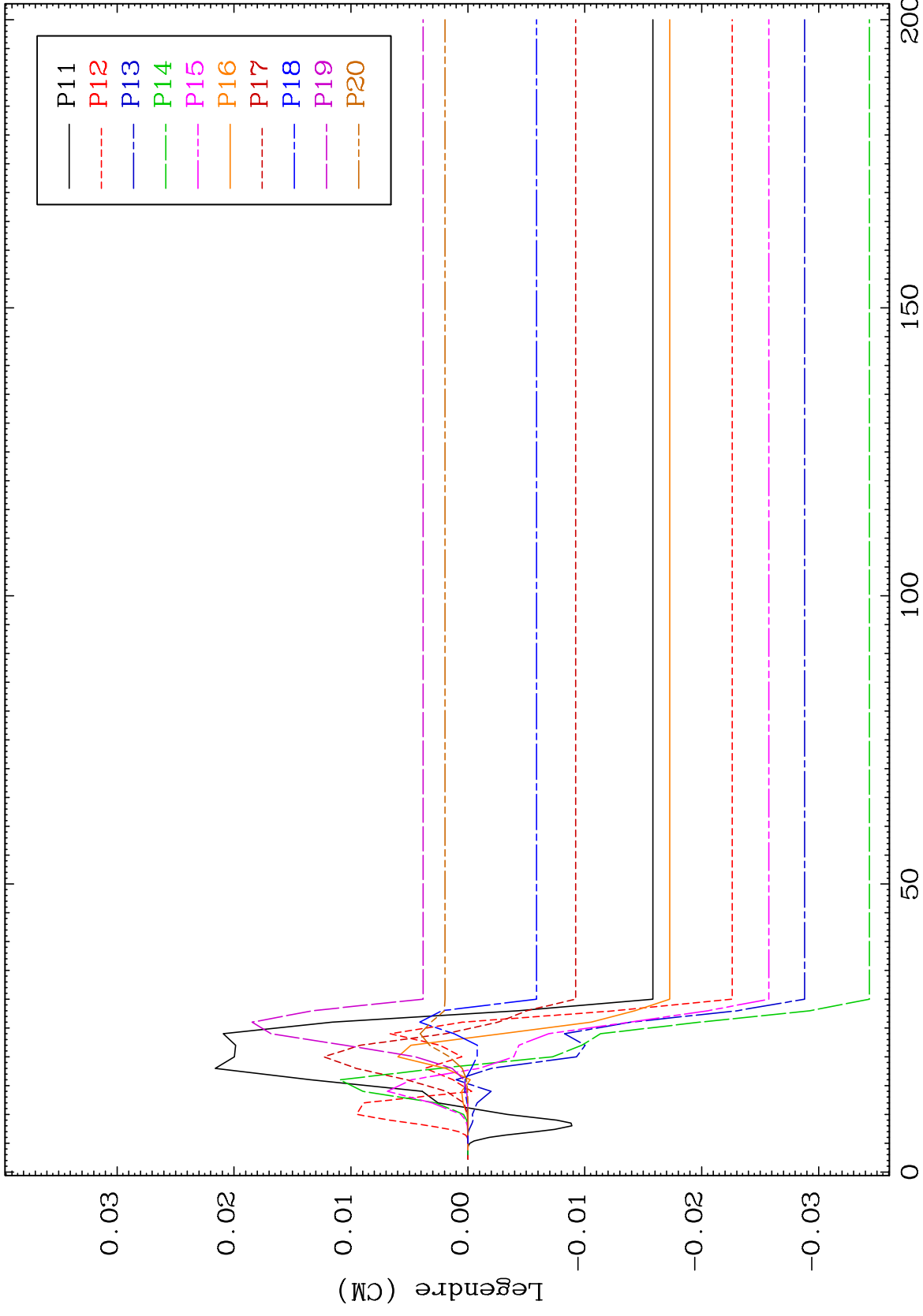


52

MAT 8161

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

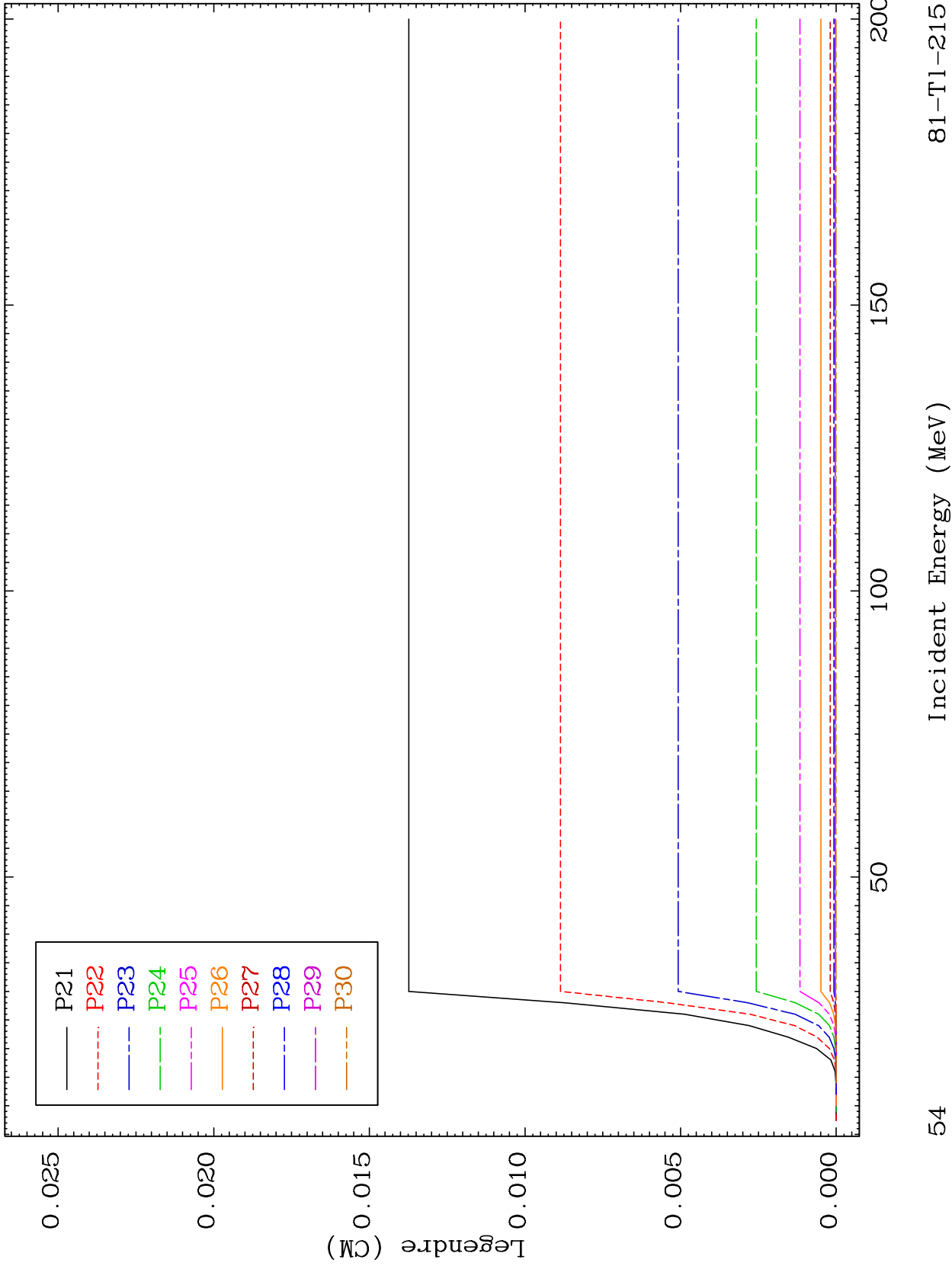
81-T1-215



53

Incident Energy (MeV)

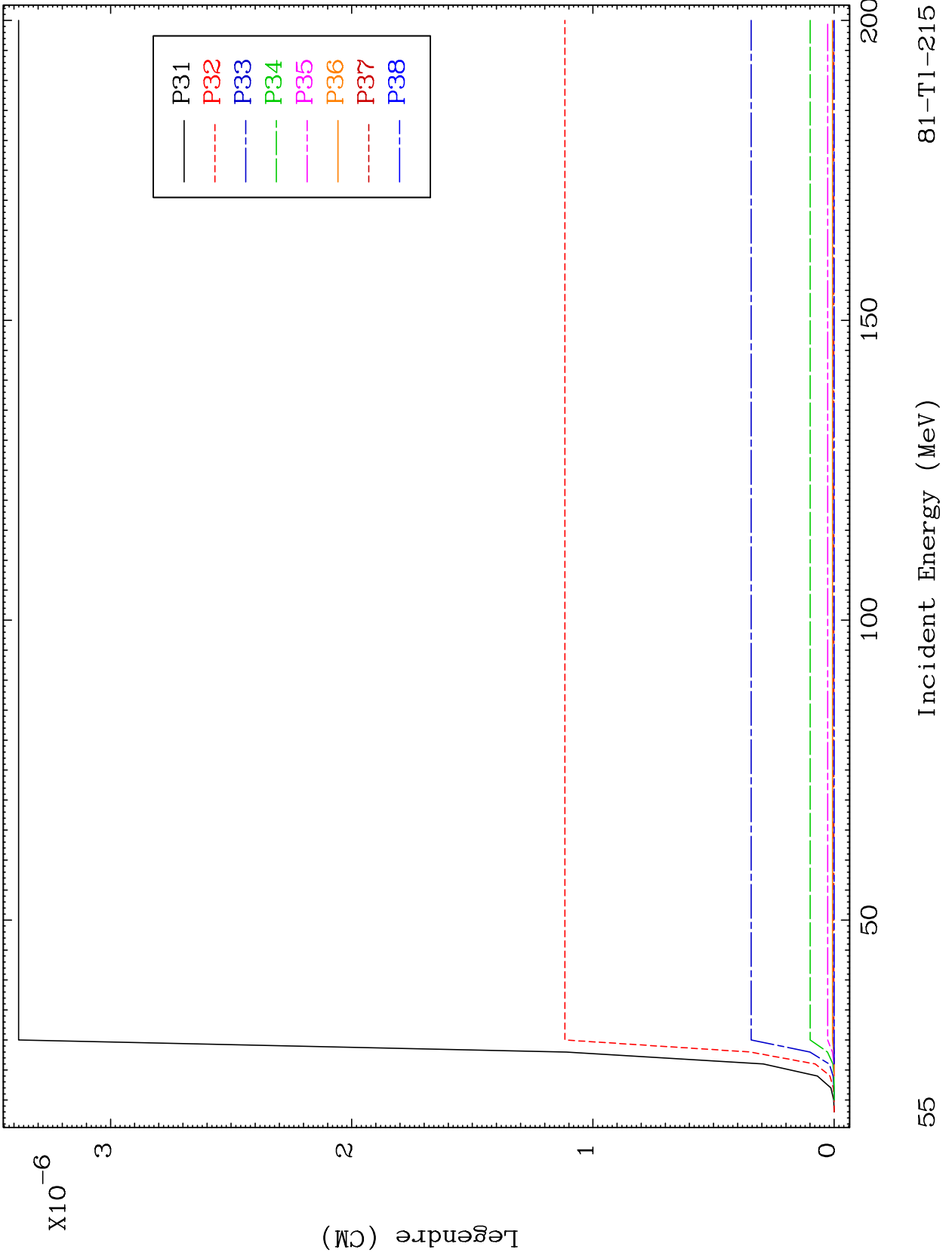
81-T1-215



MAT 8161

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

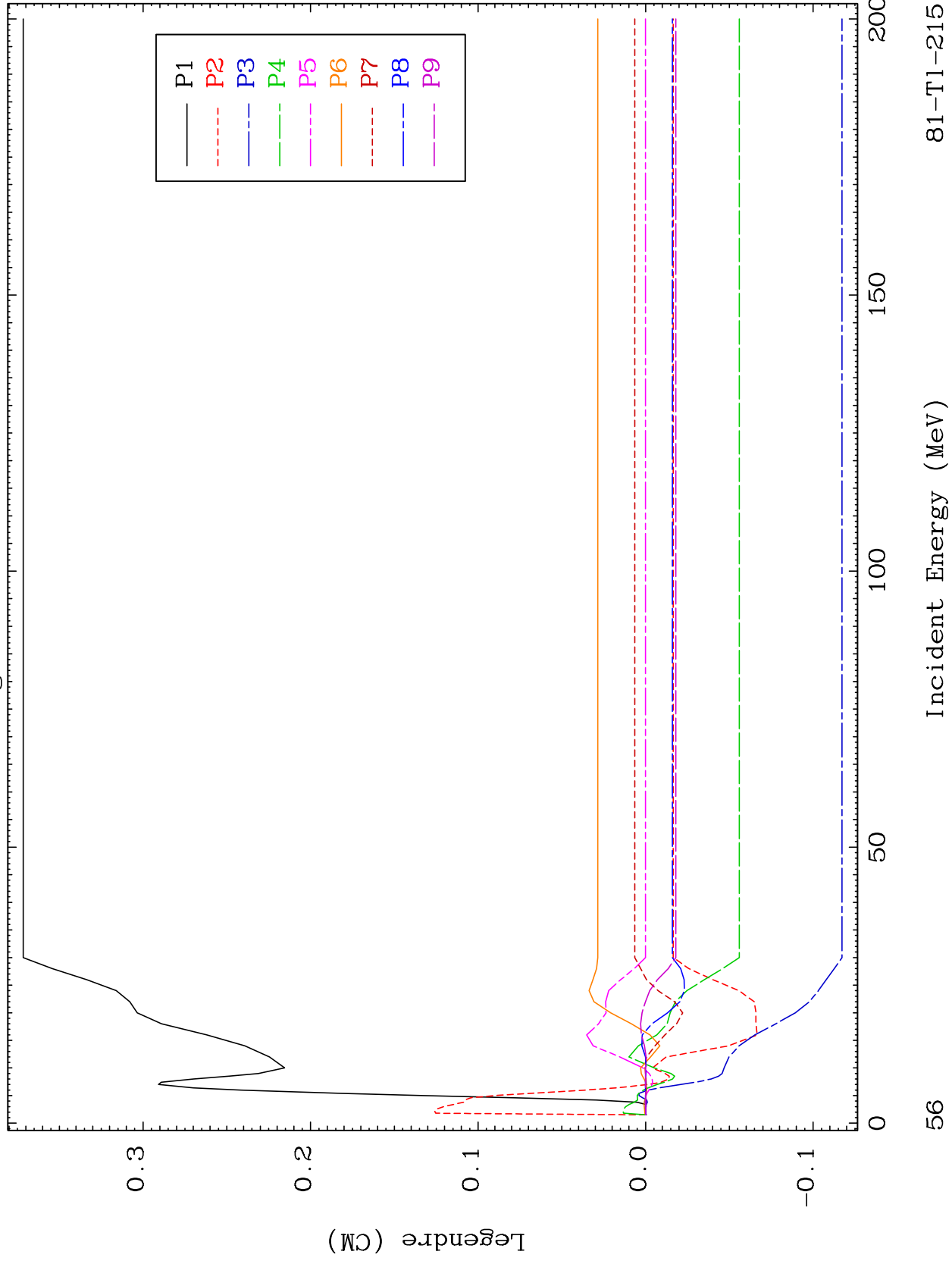
81-T1-215



MAT 8161

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

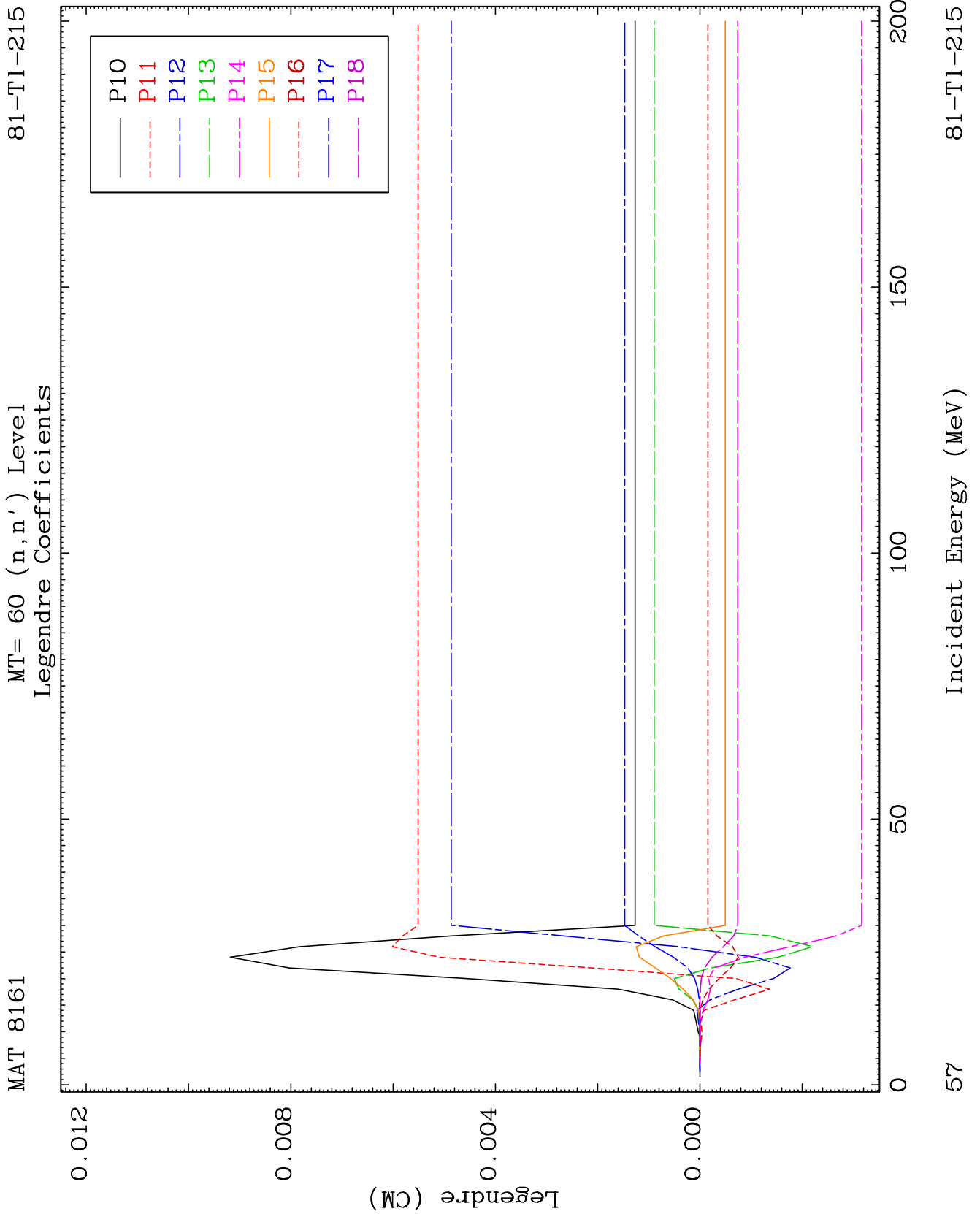
81-T1-215



81-T1-215

Incident Energy (MeV)

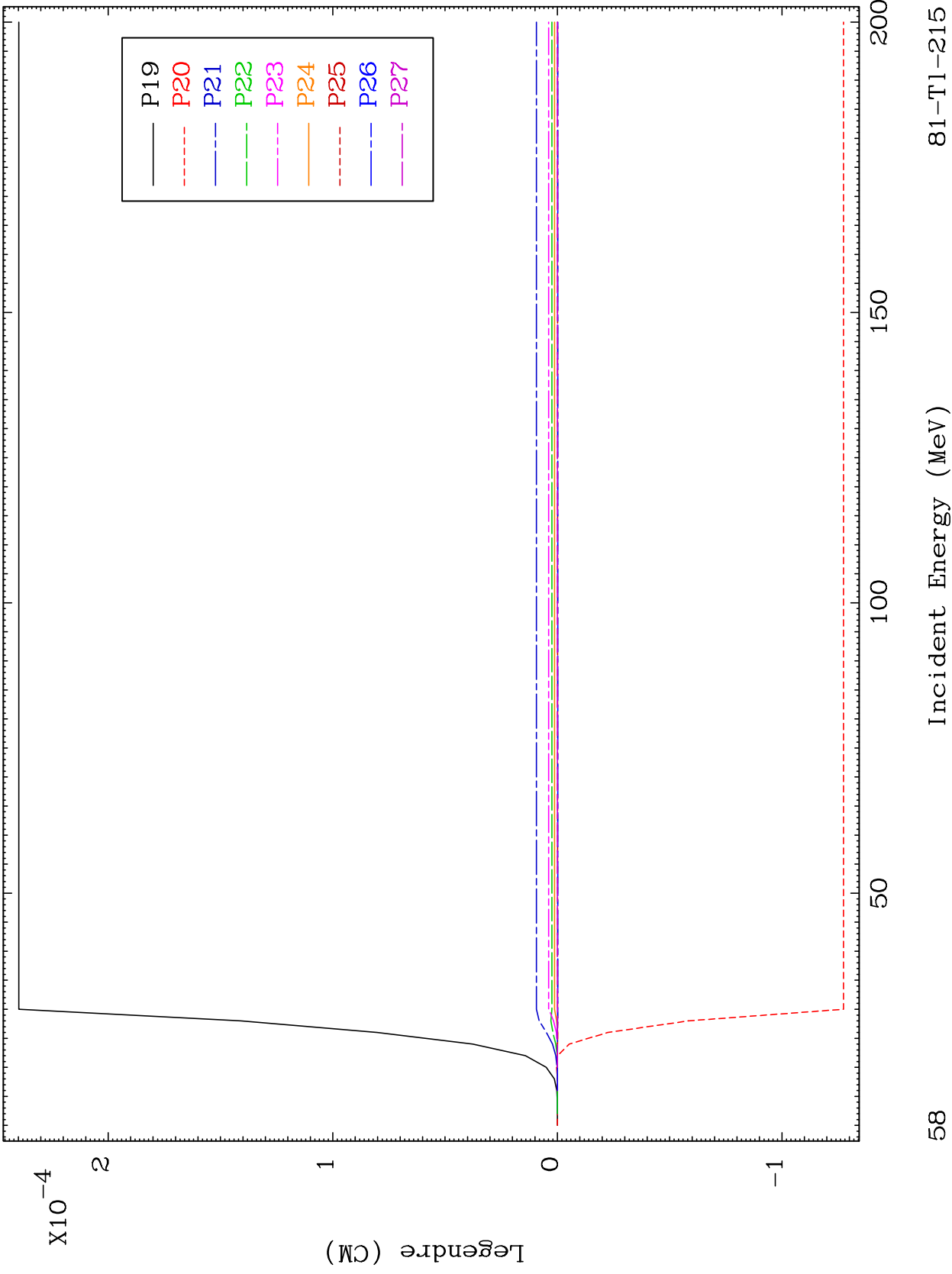
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MAT 8161

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

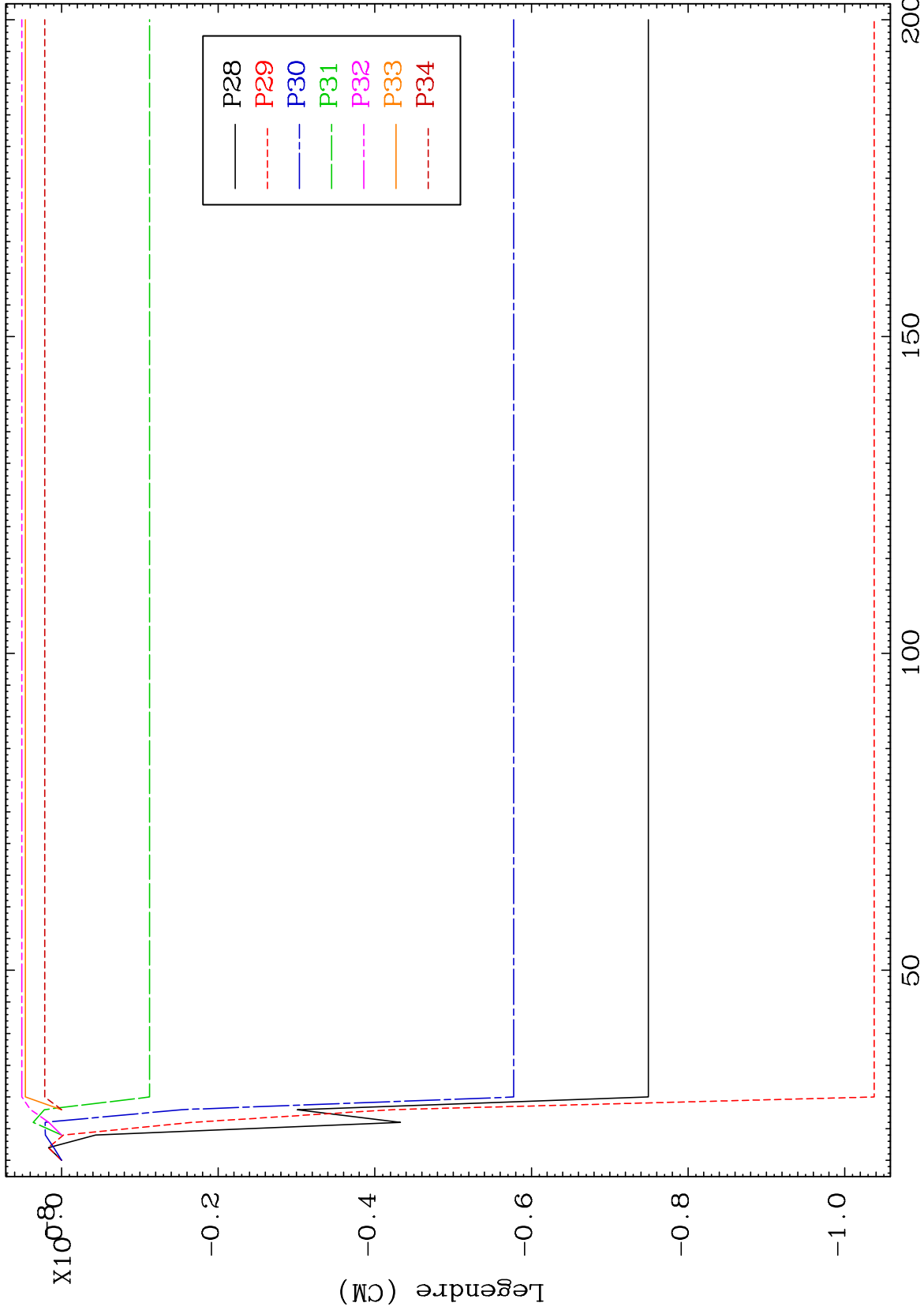
81-T1-215



MAT 8161

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

81-Tl-215

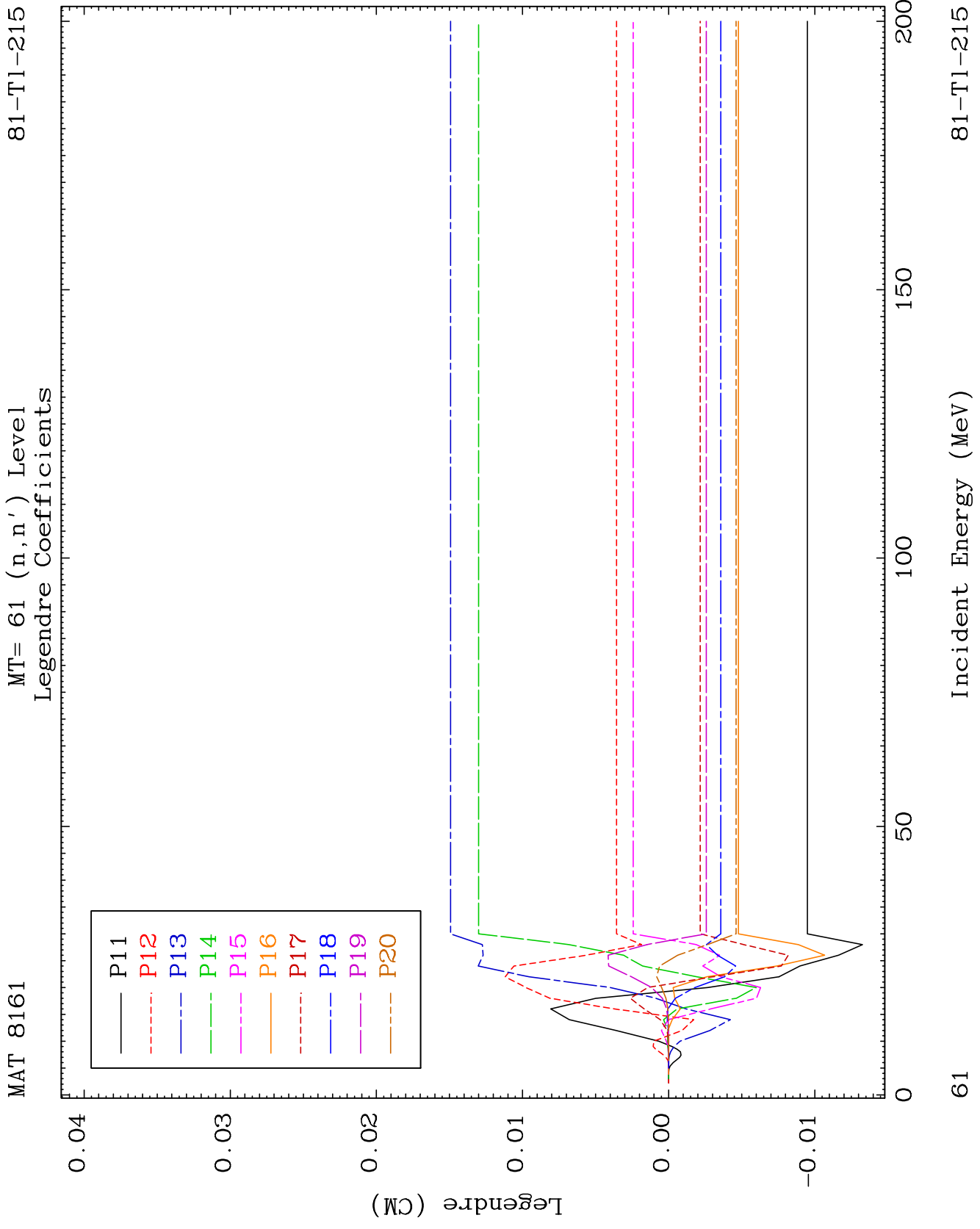


59

Incident Energy (MeV)

81-Tl-215

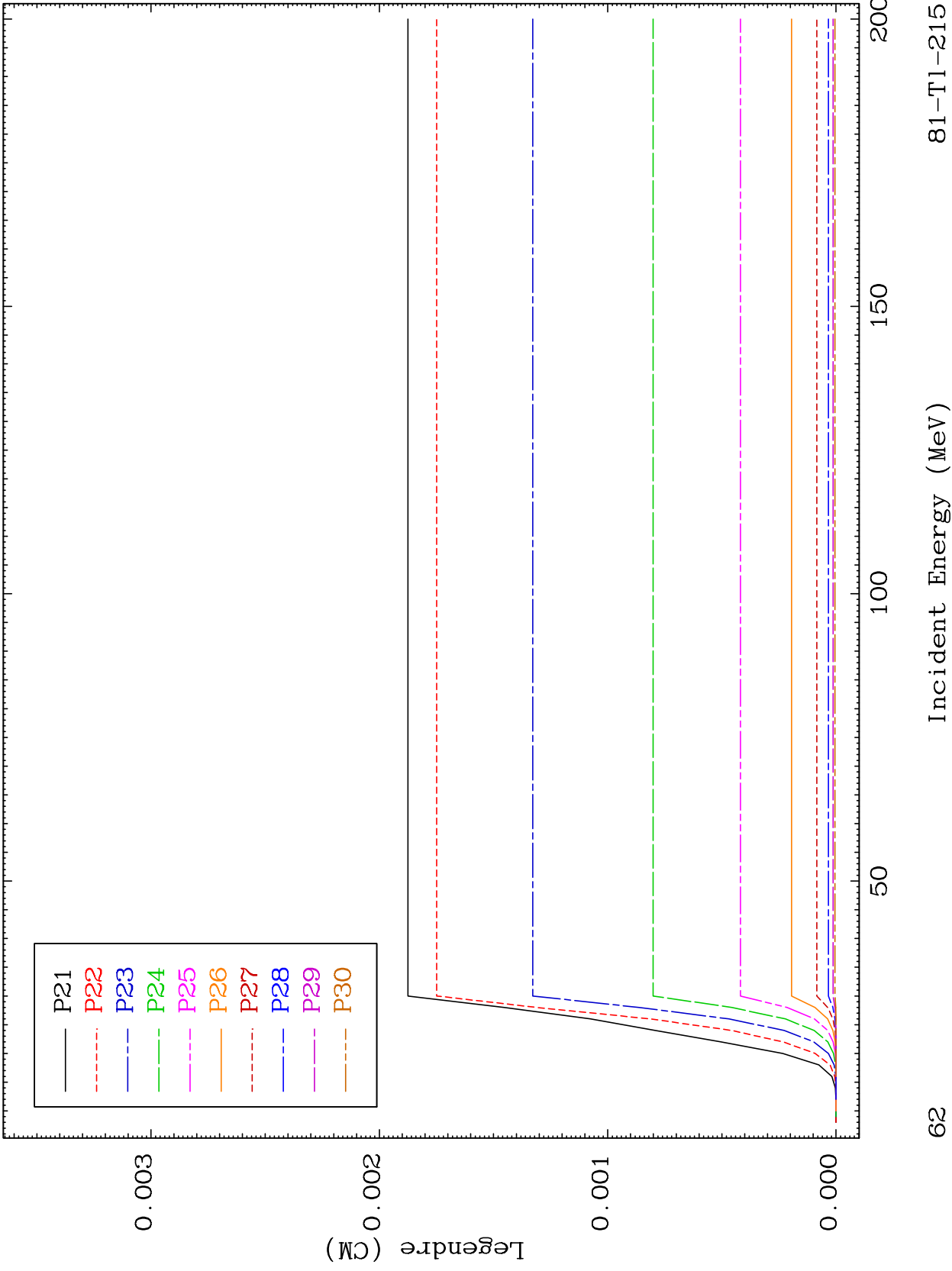




MAT 8161

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

81-Tl-215



62

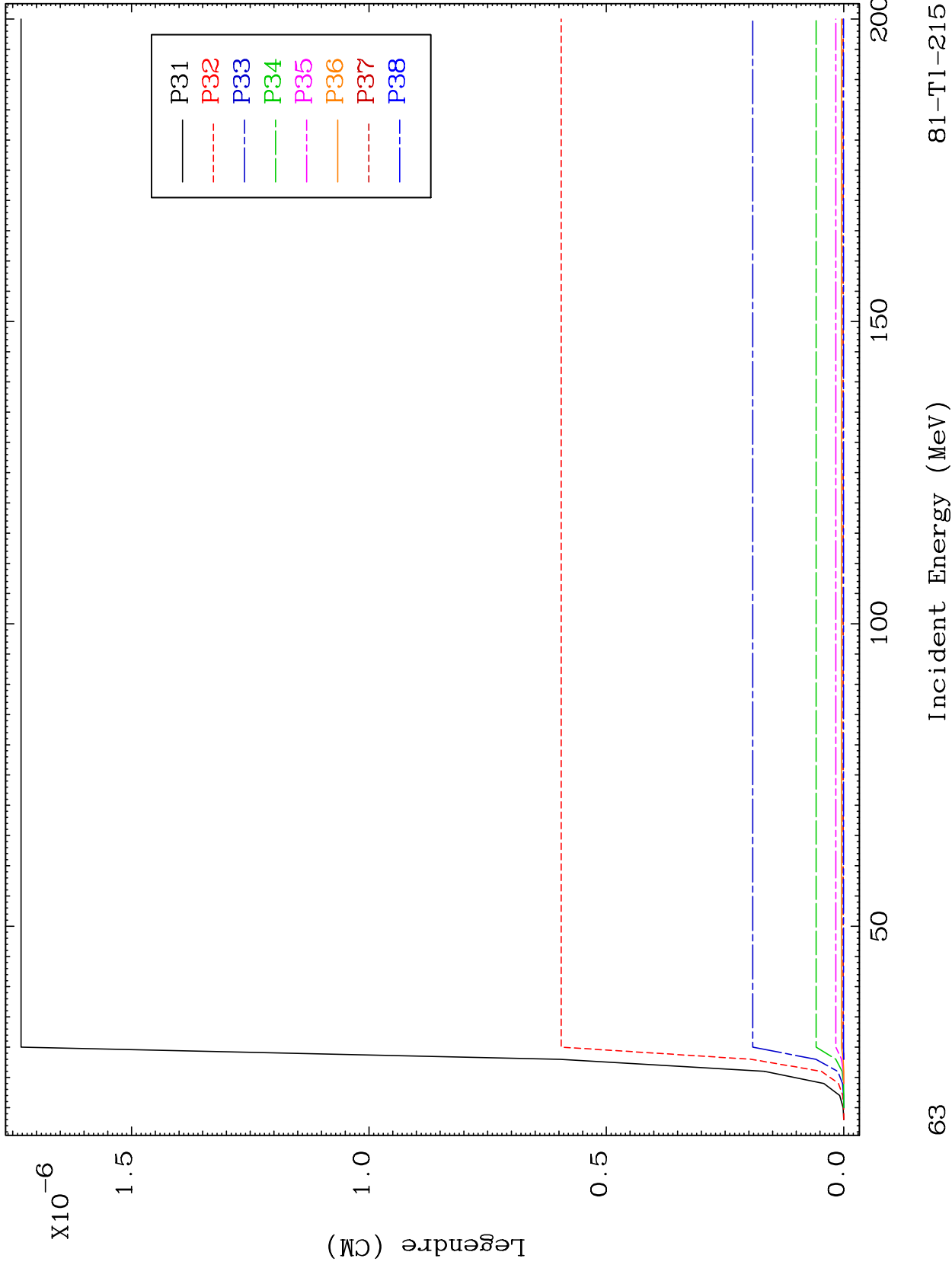
Incident Energy (MeV)

81-Tl-215

MAT 8161

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

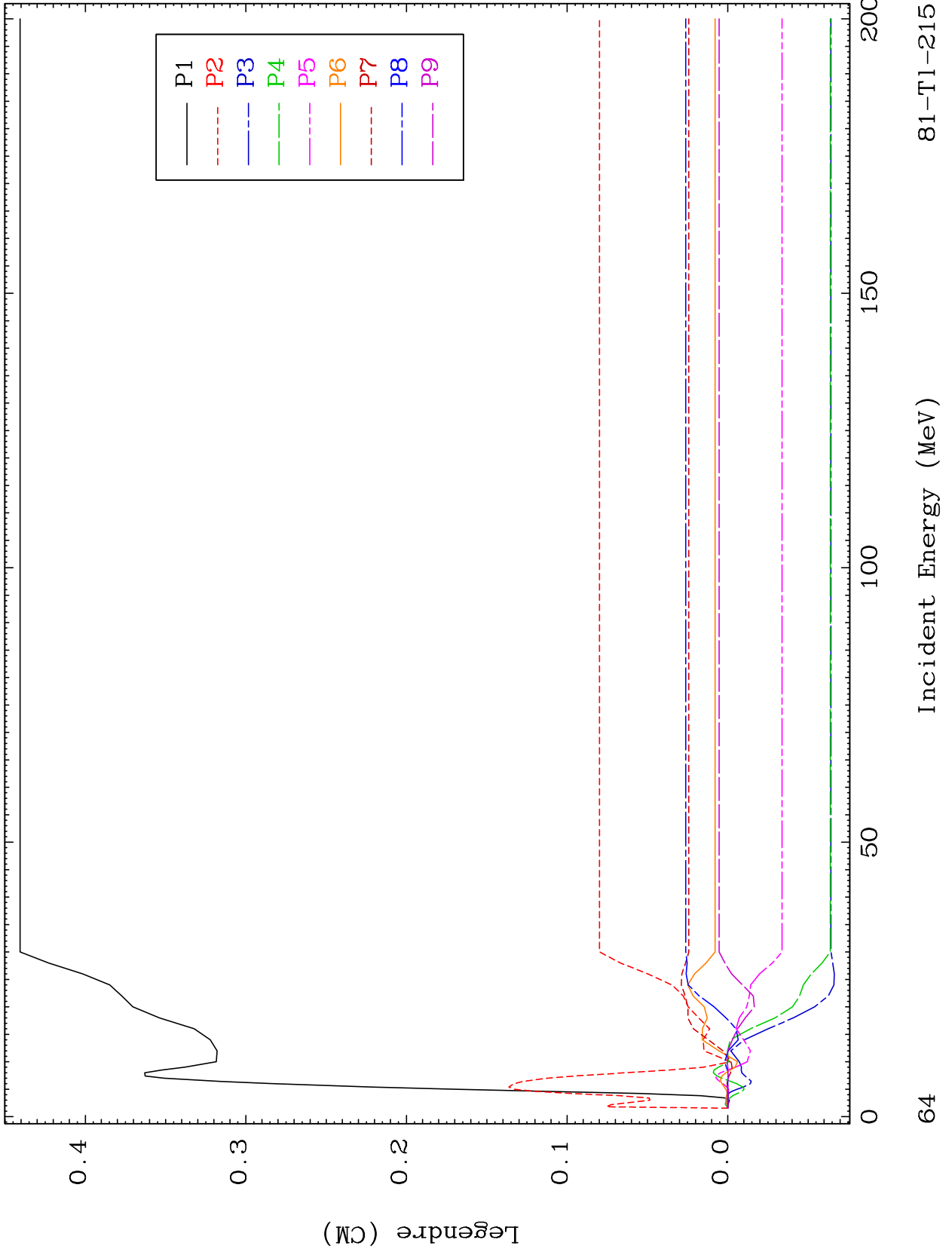
81-T1-215



MAT 8161

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

81-T1-215



81-T1-215

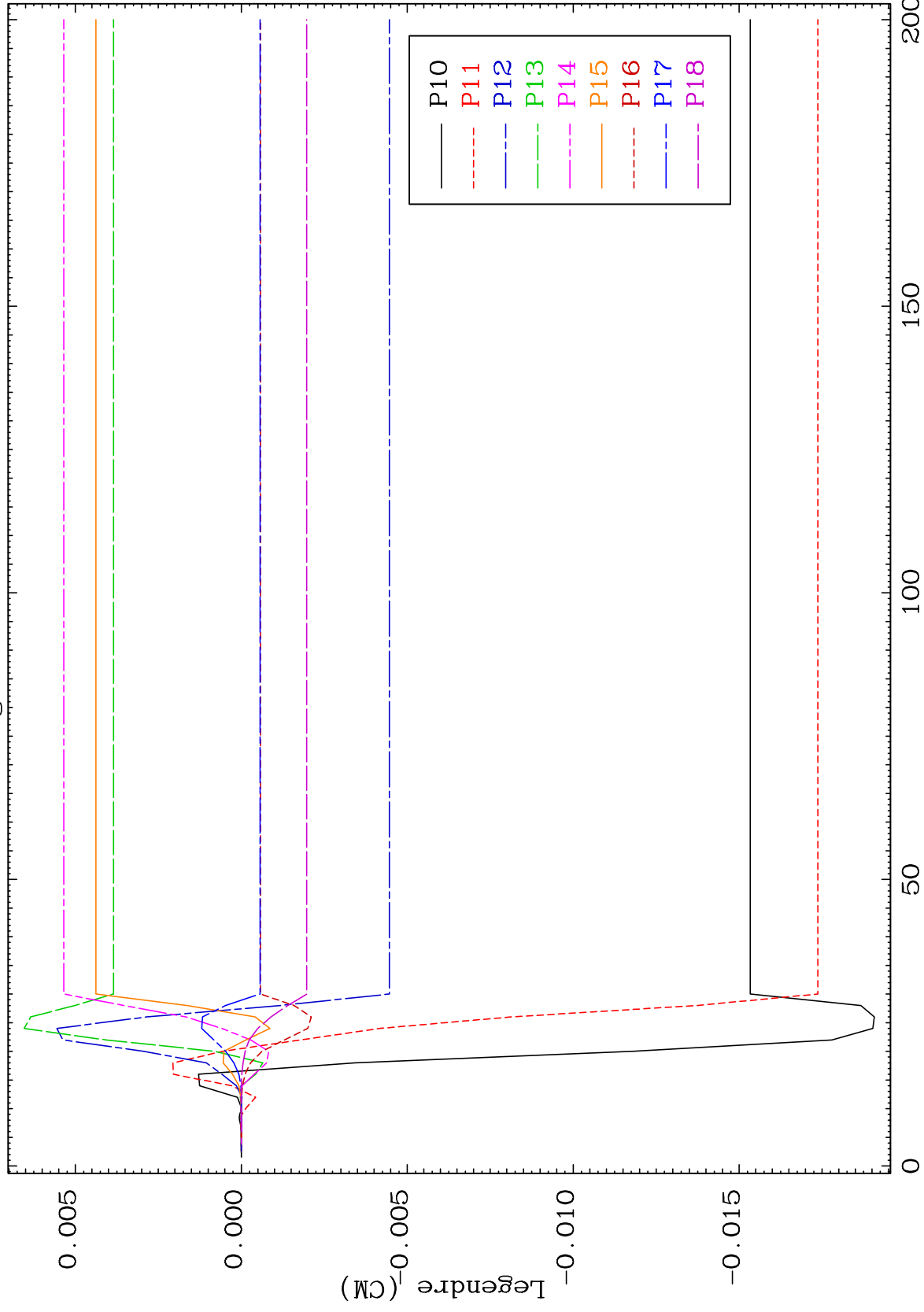
Incident Energy (MeV)

64

MAT 8161

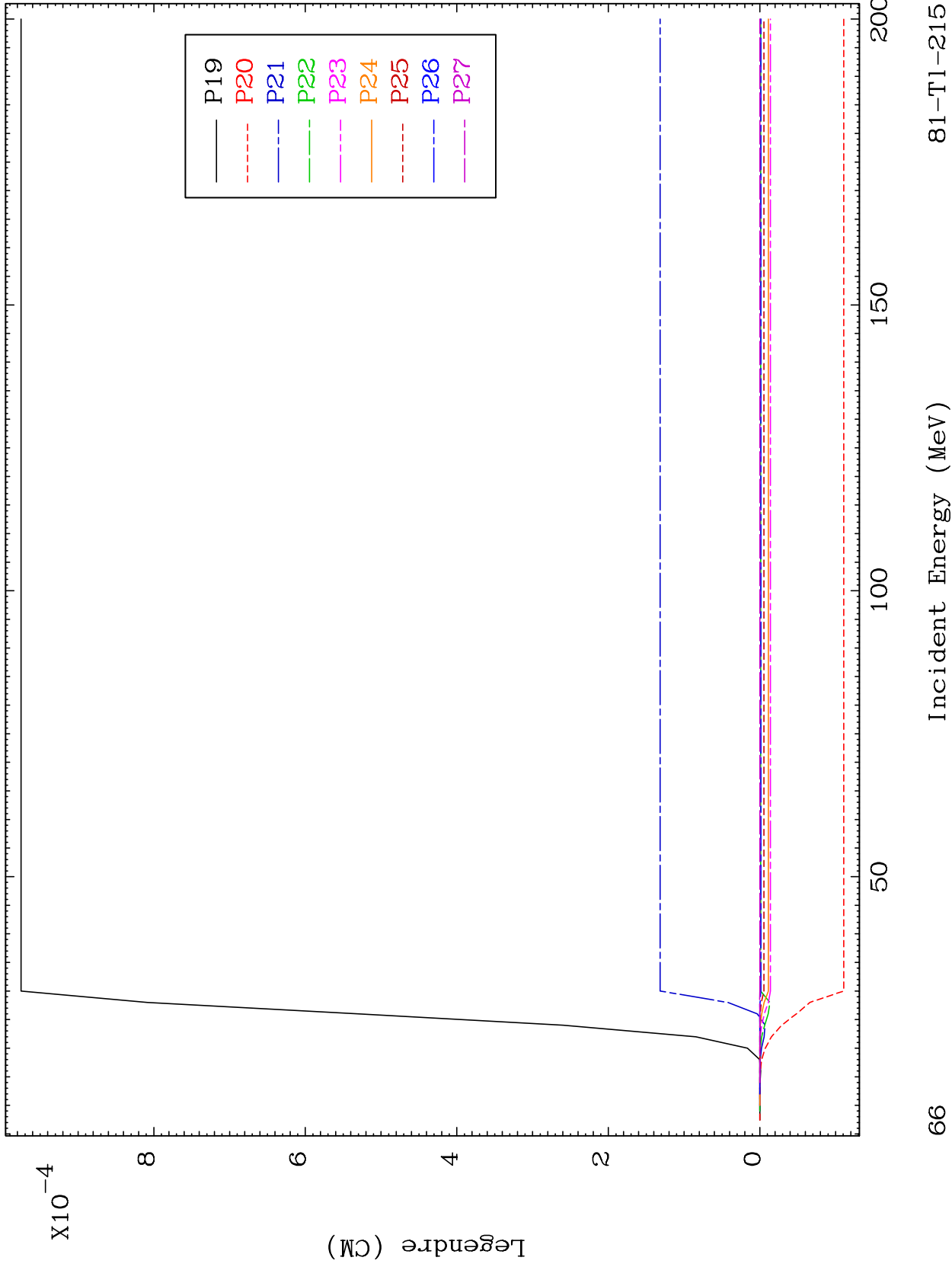
MT= 62 (n,n') Level  
Legendre Coefficients

81-T1-215



65

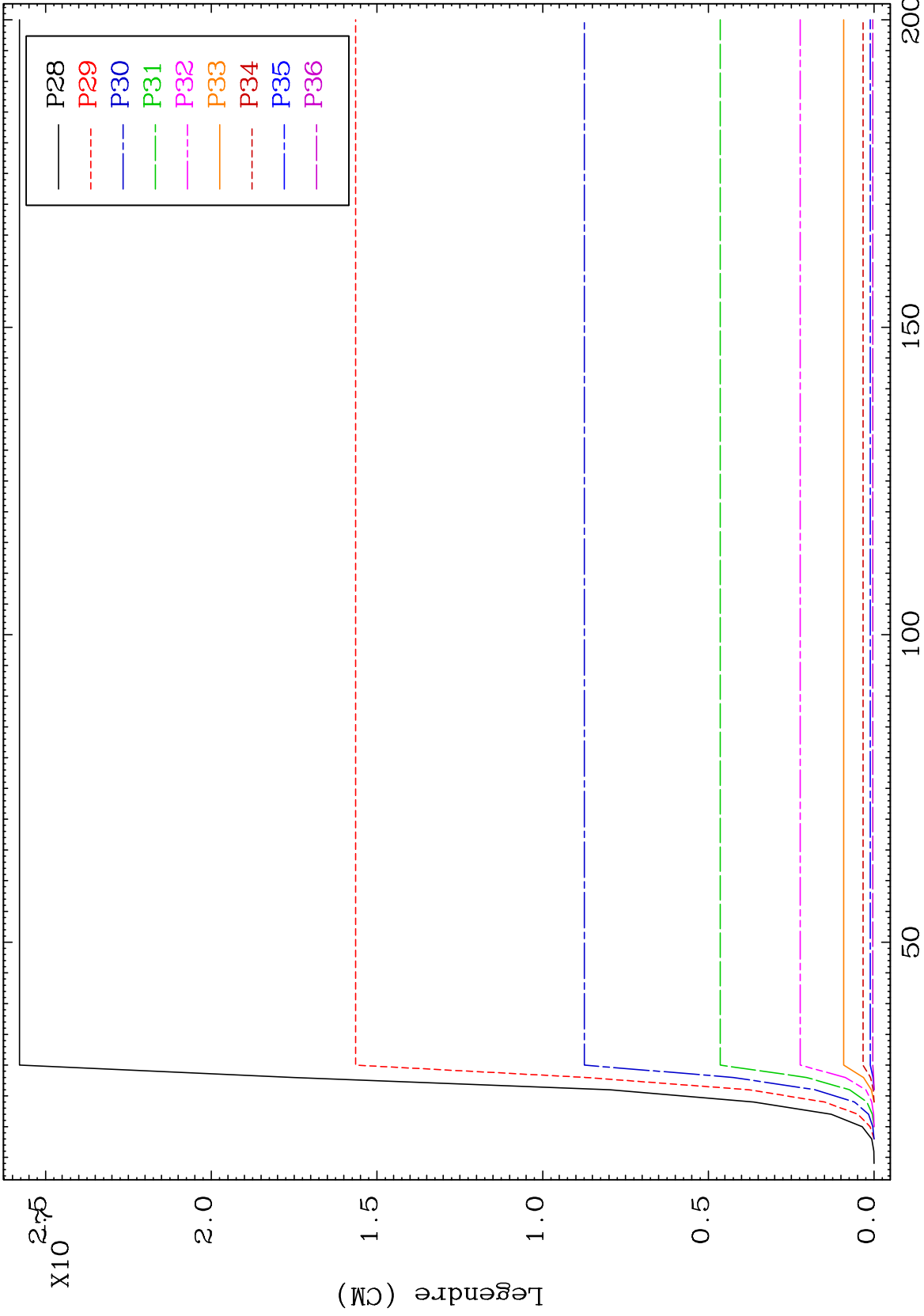
81-T1-215



MAT 8161

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

81-T1-215



67

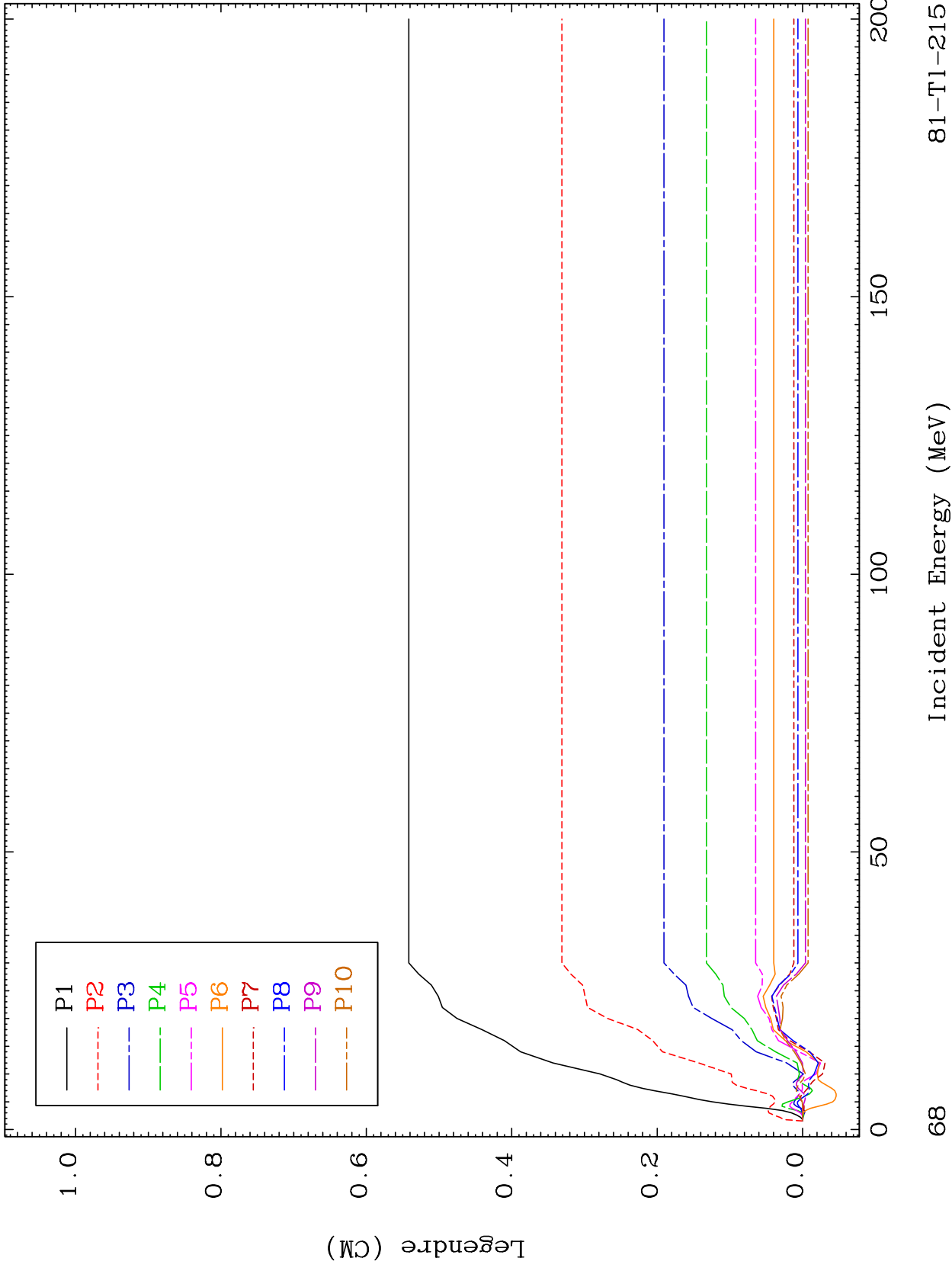
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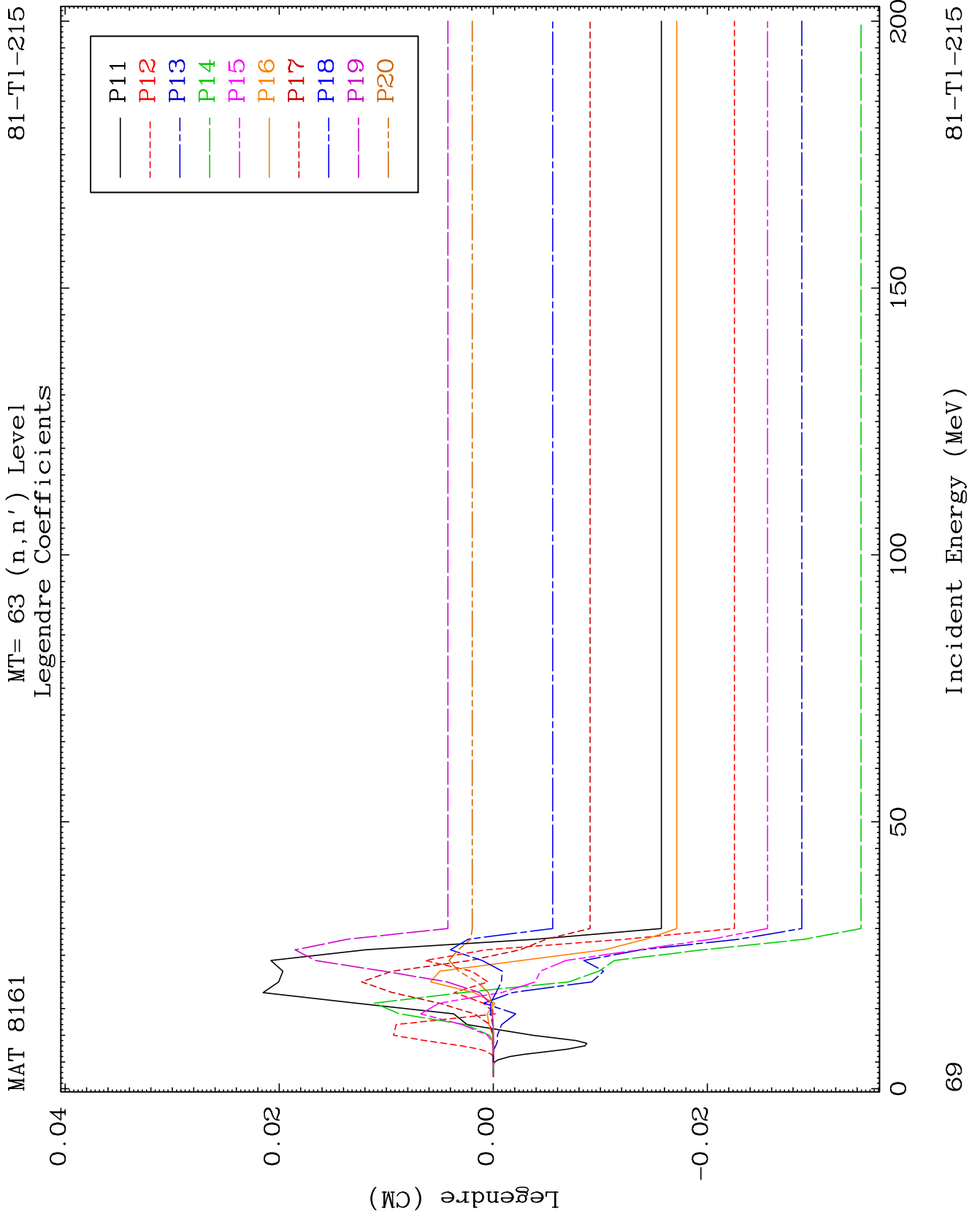
81-T1-215

MAT 8161

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

81-T1-215

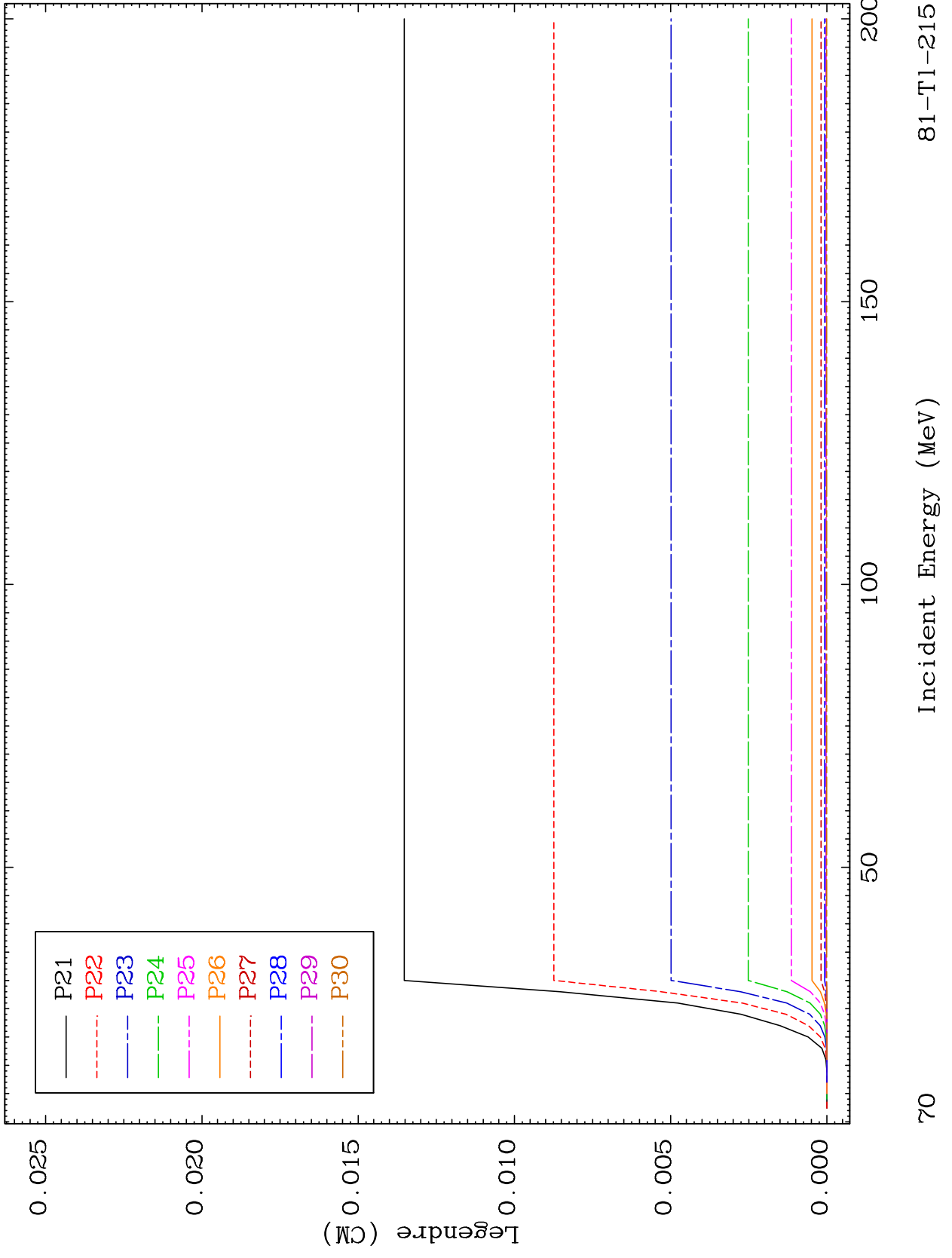




MAT 8161

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

81-Tl-215



70

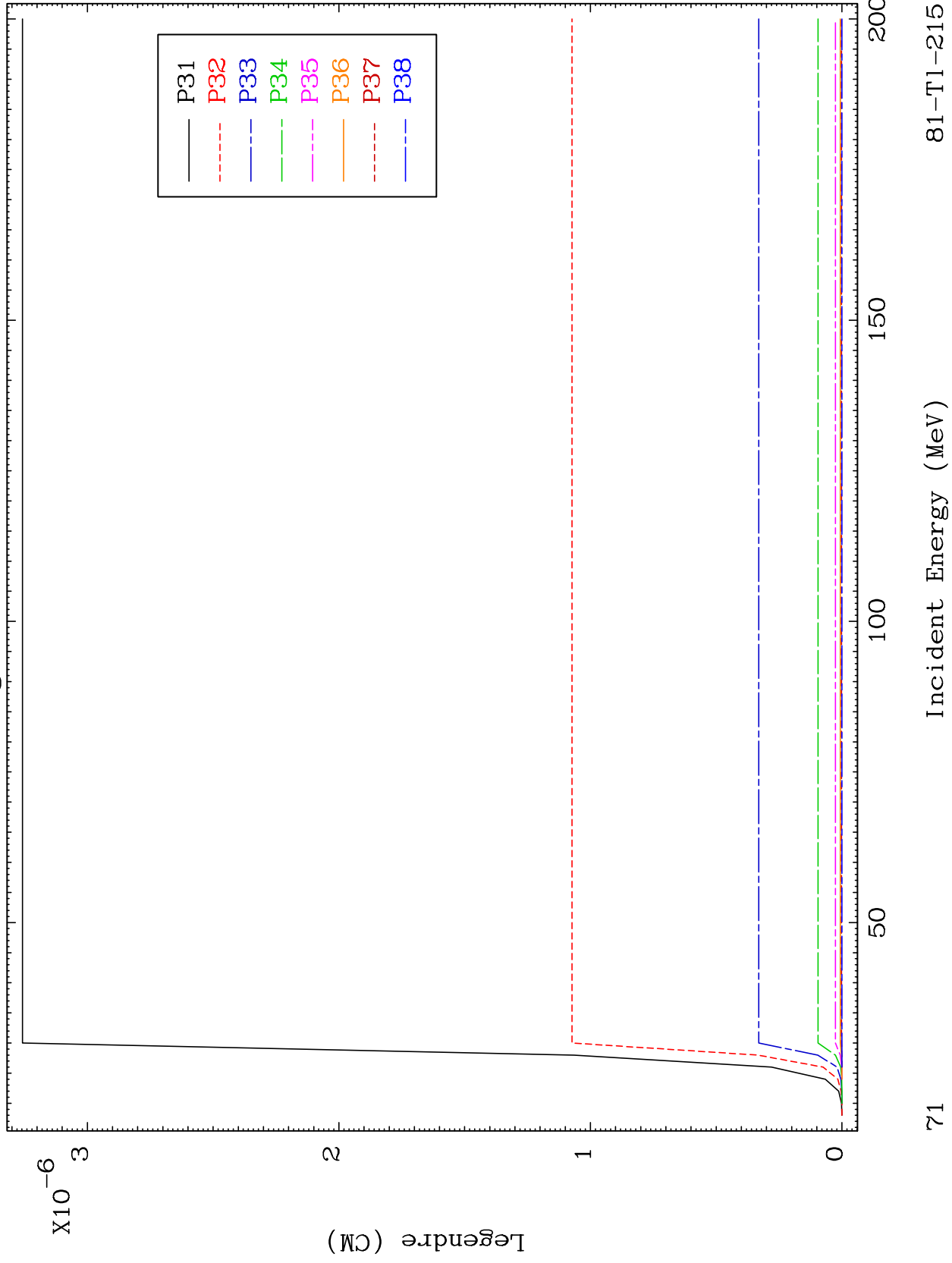
Incident Energy (MeV)

81-Tl-215

MAT 8161

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

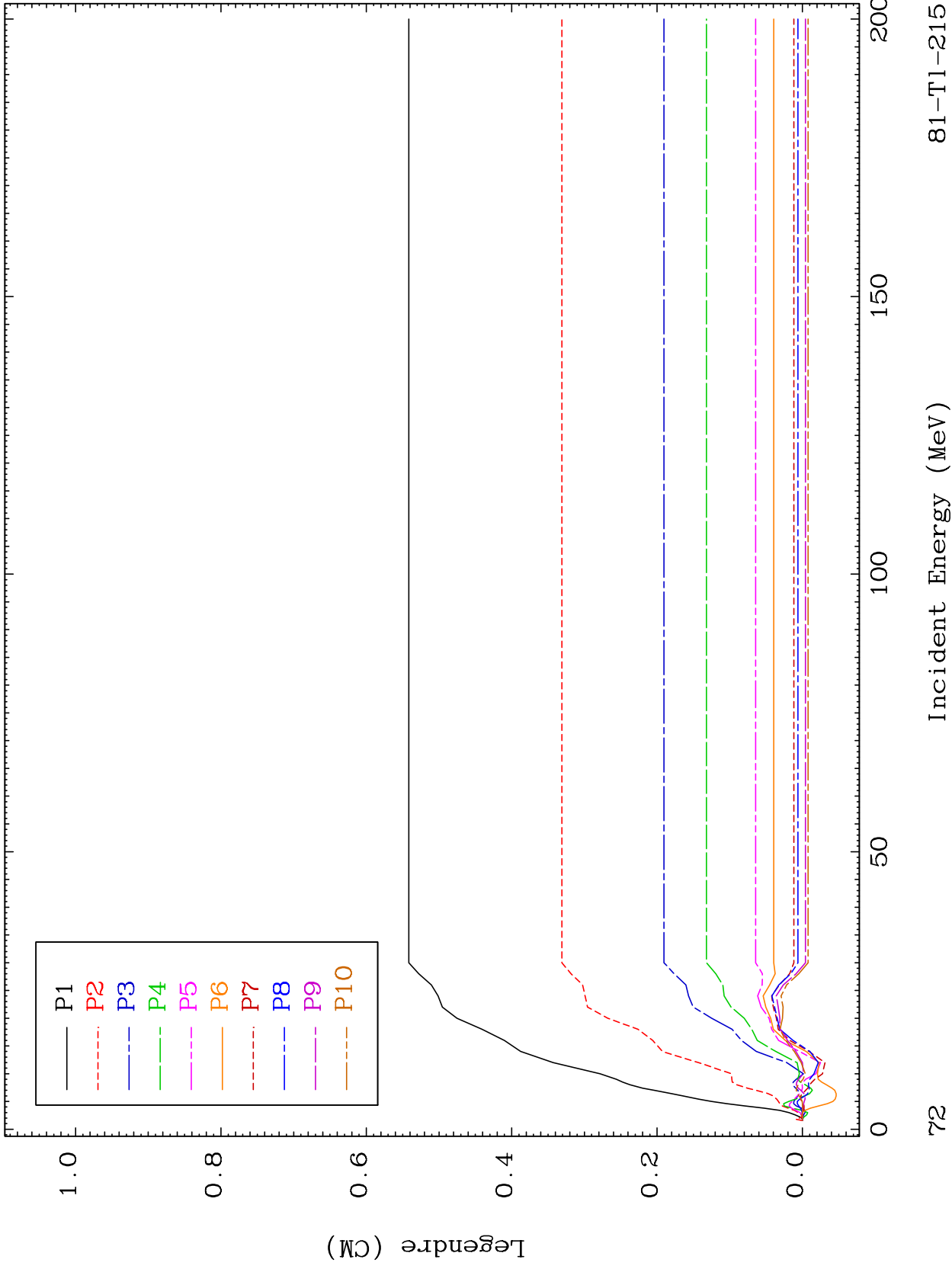
81-T1-215

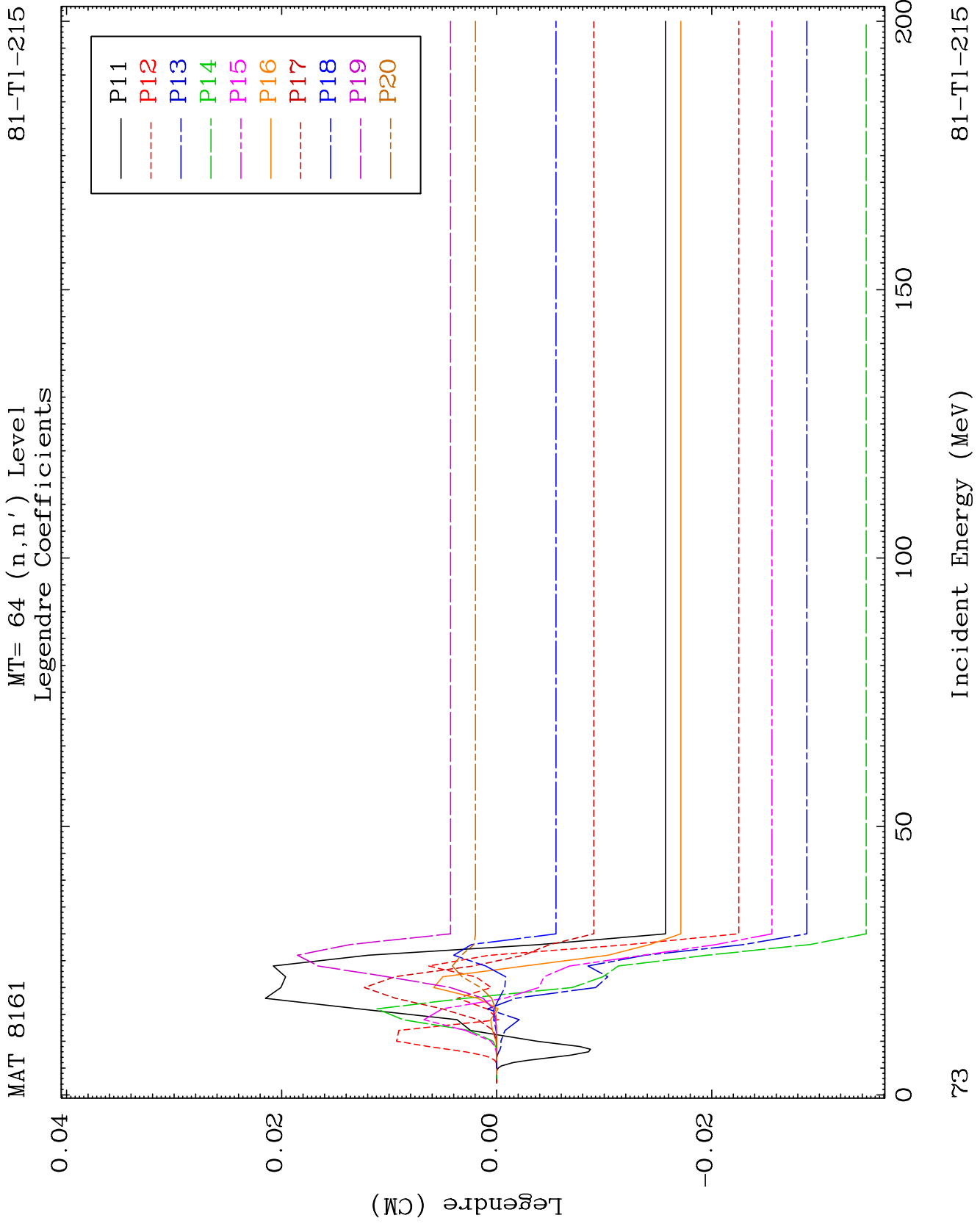


MAT 8161

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

81-T1-215

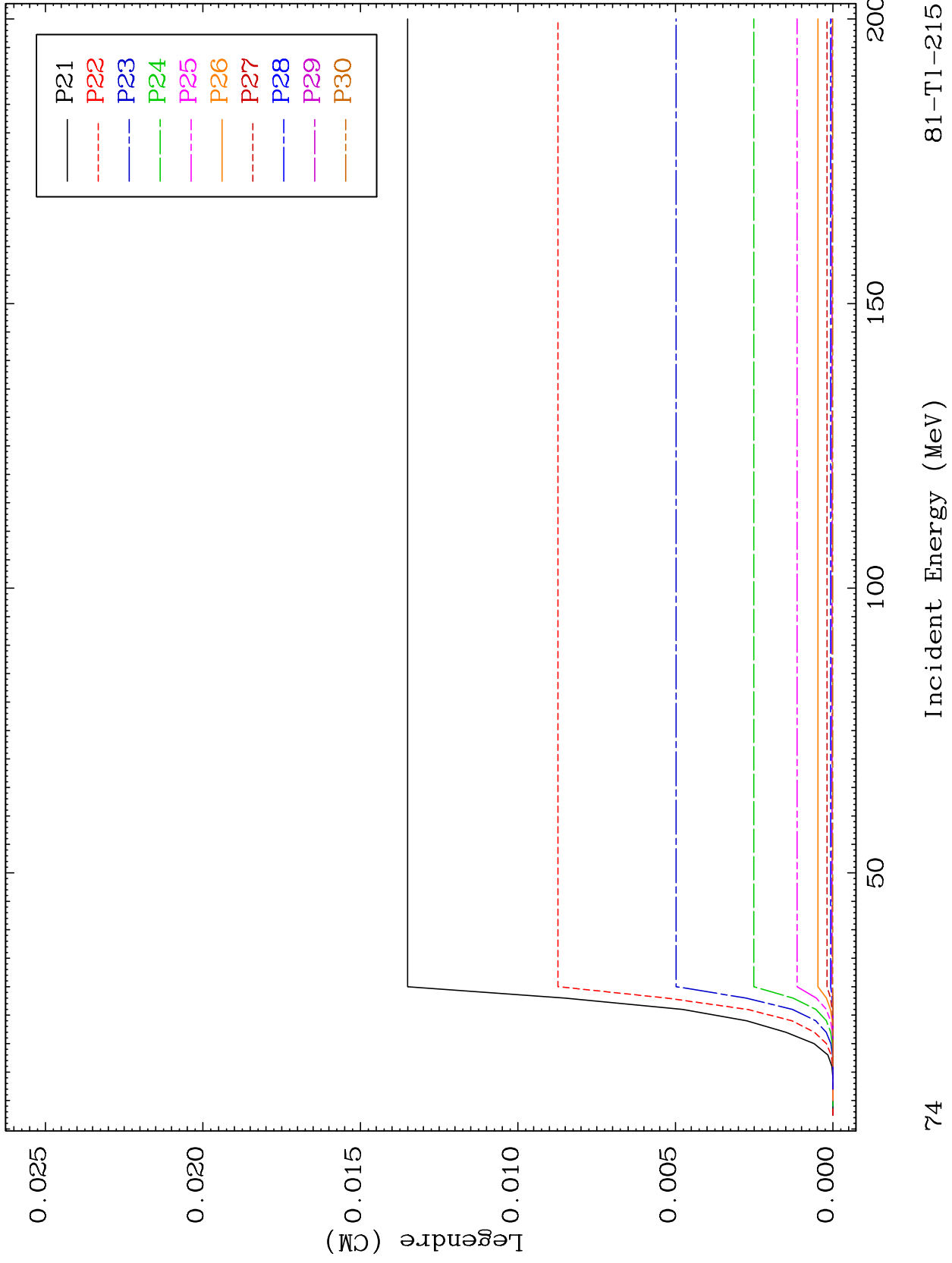




MAT 8161

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

81-T1-215



74

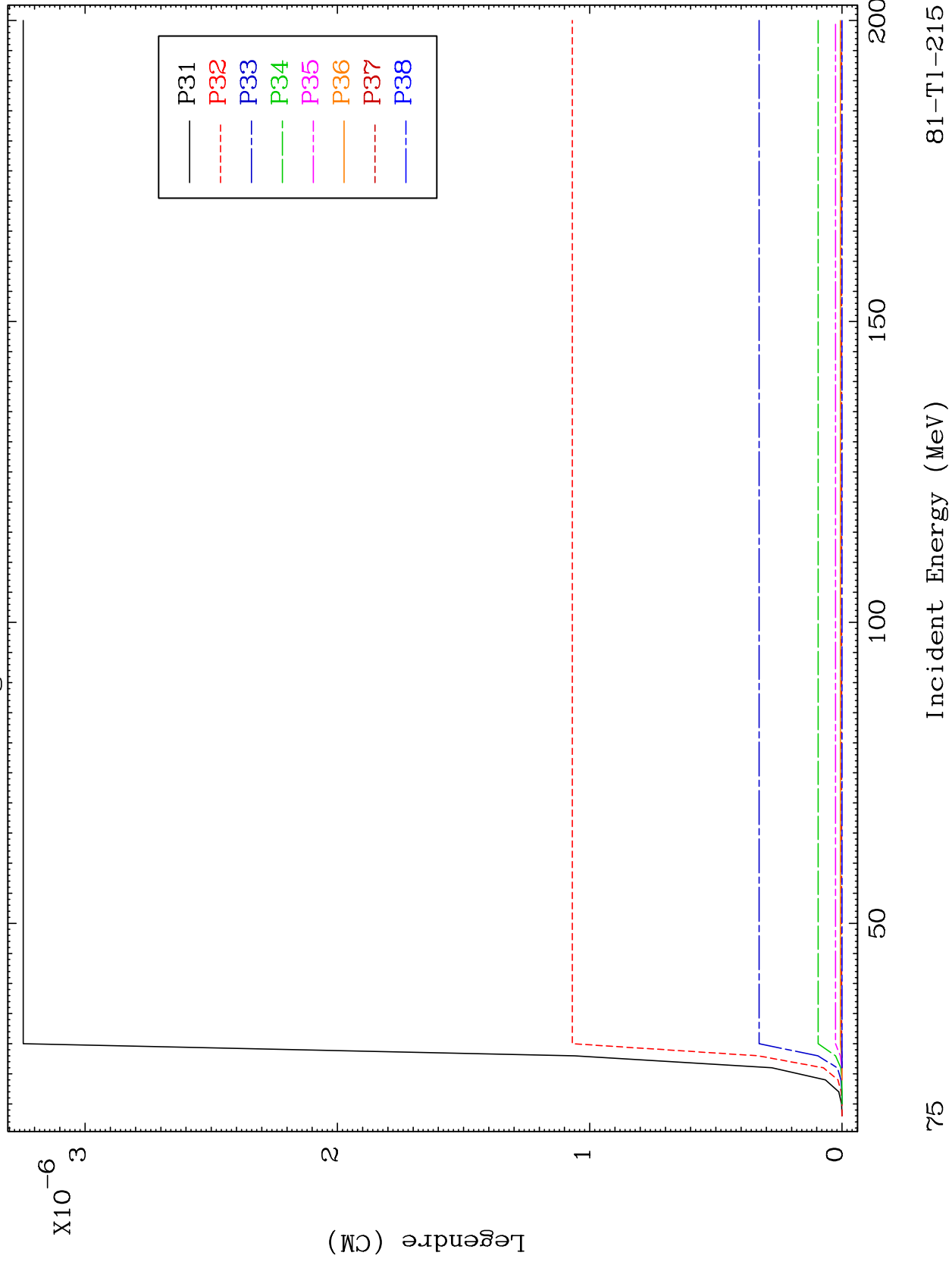
Incident Energy (MeV)

81-T1-215

MAT 8161

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

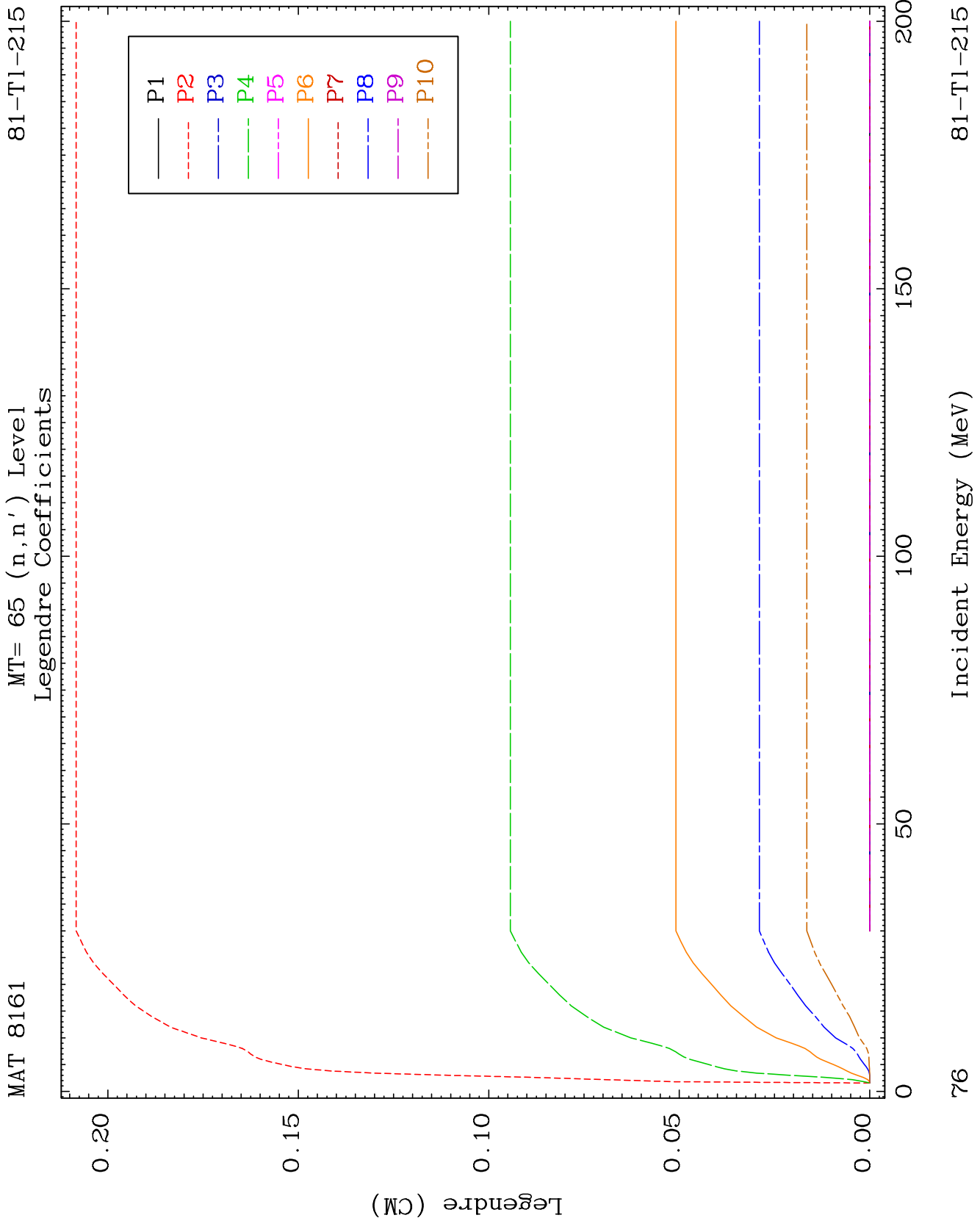
81-T1-215



75

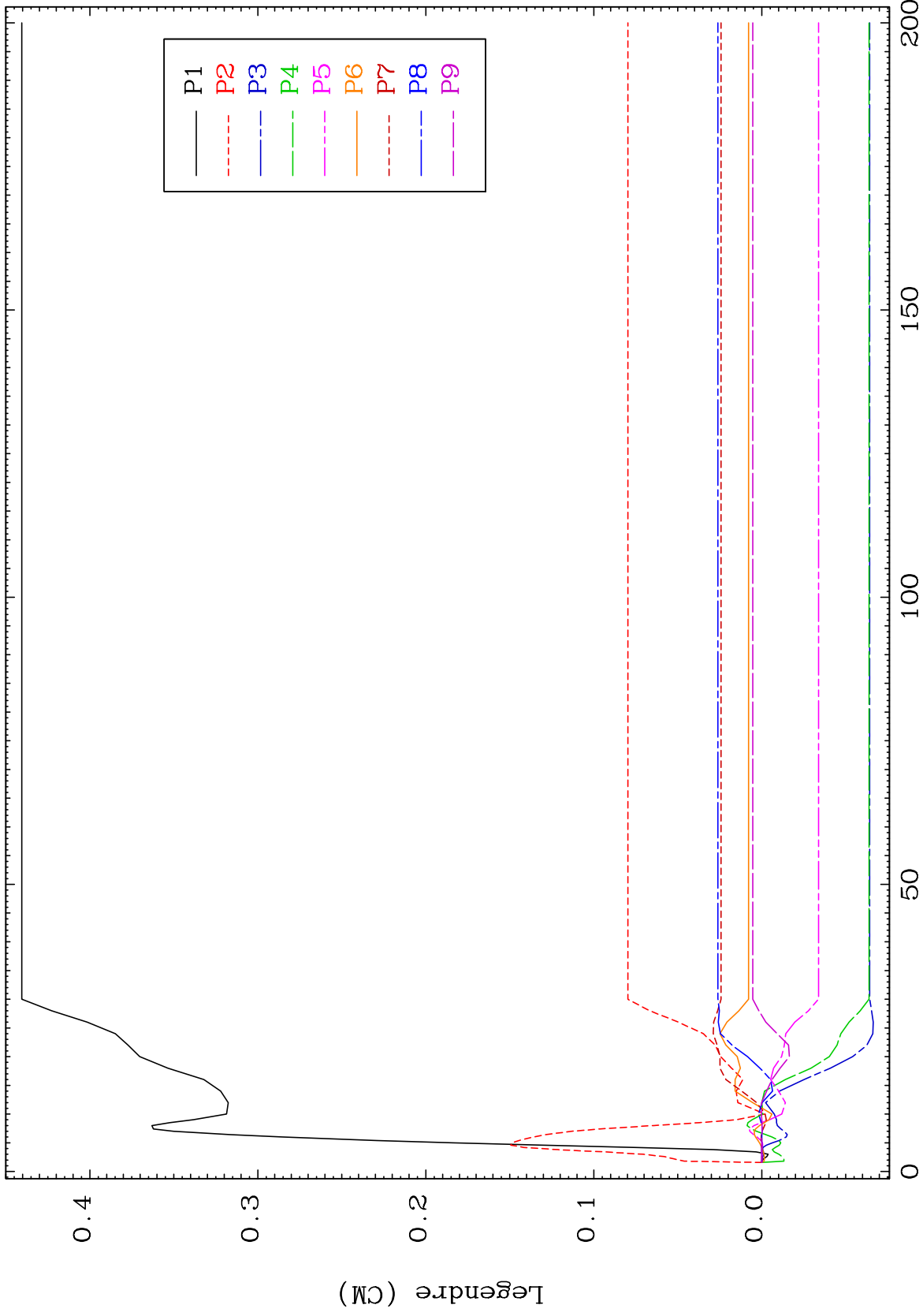
Incident Energy (MeV)

81-T1-215





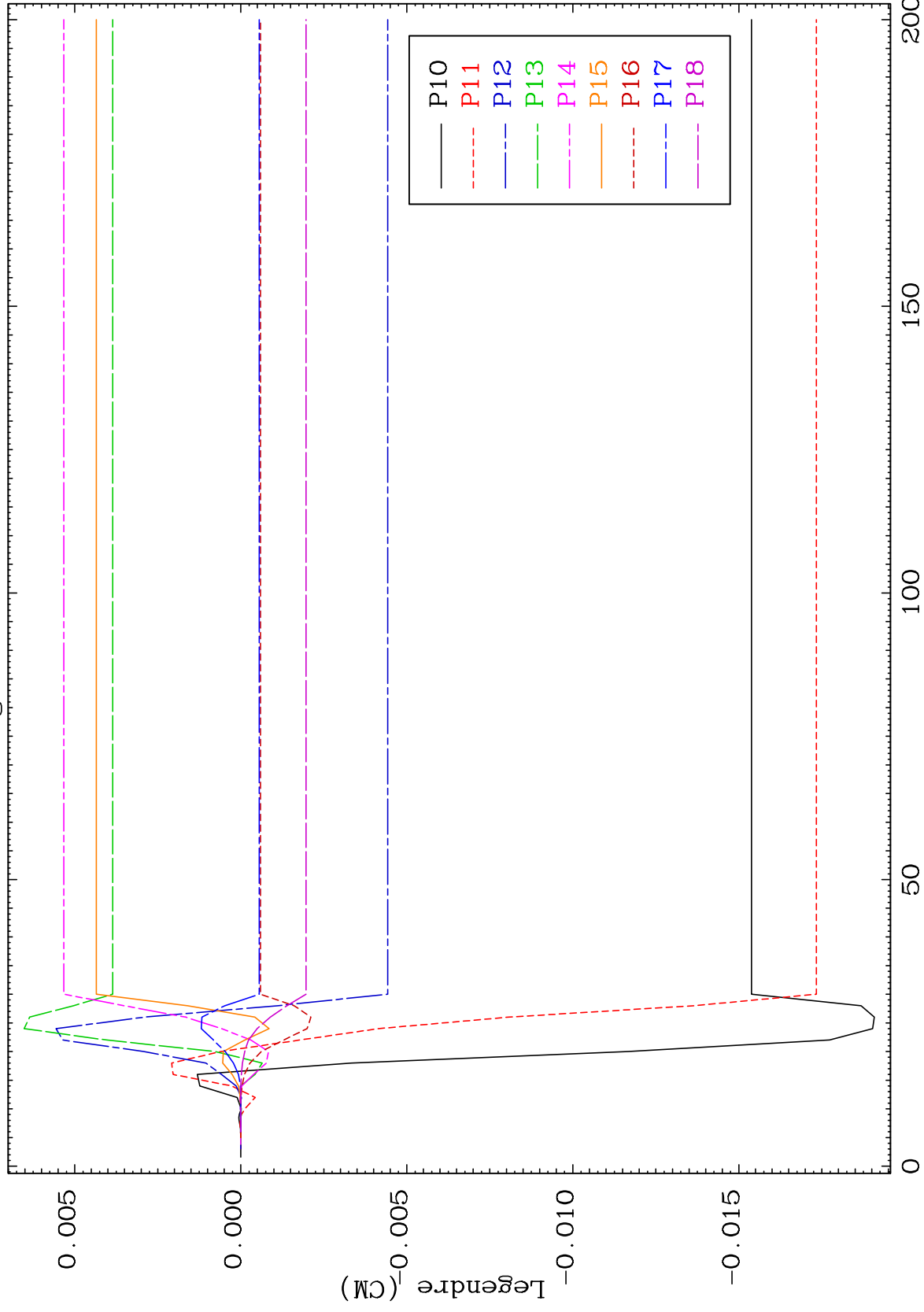




MAT 8161

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

81-T1-215



80

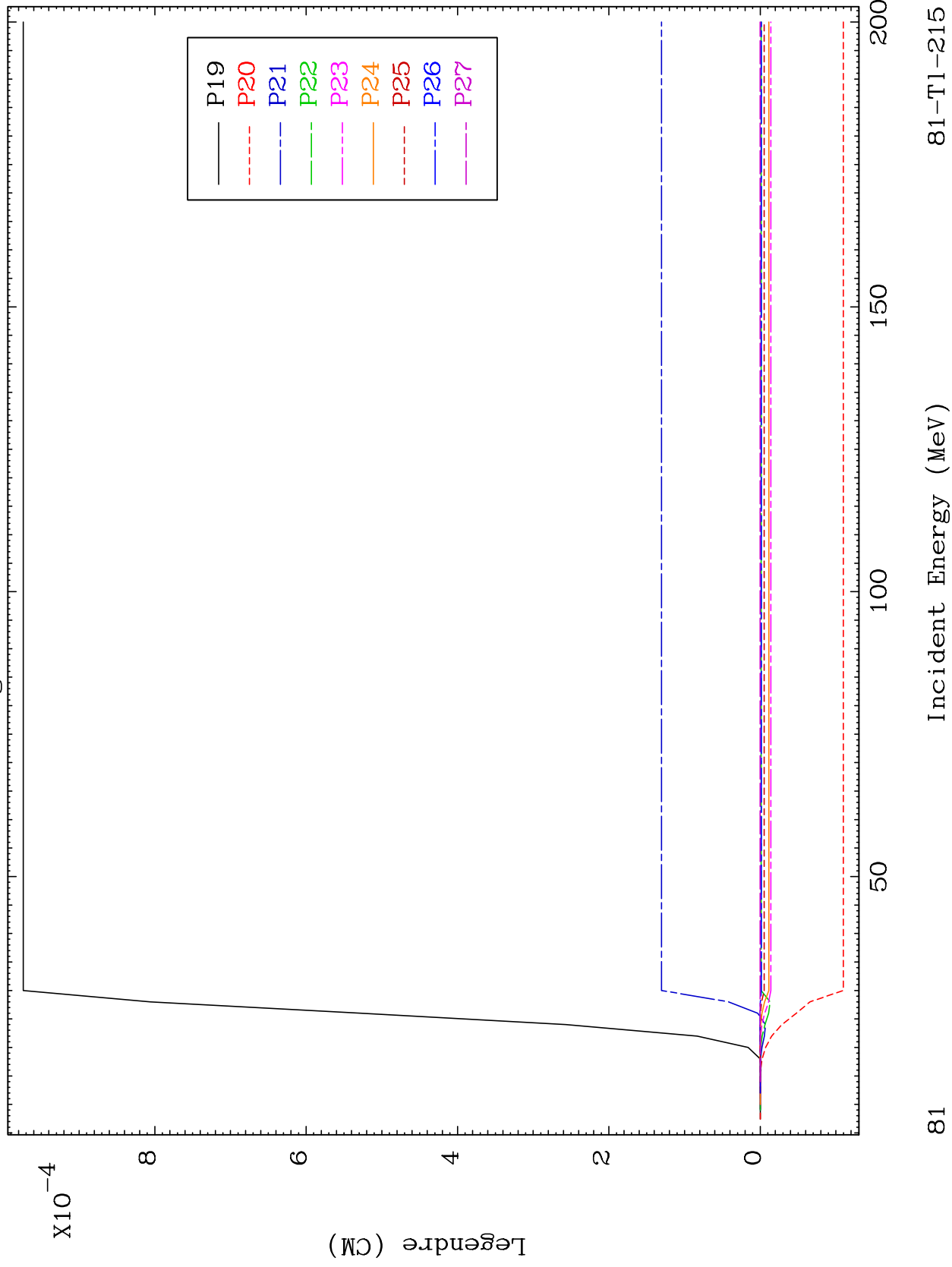
Incident Energy (MeV)

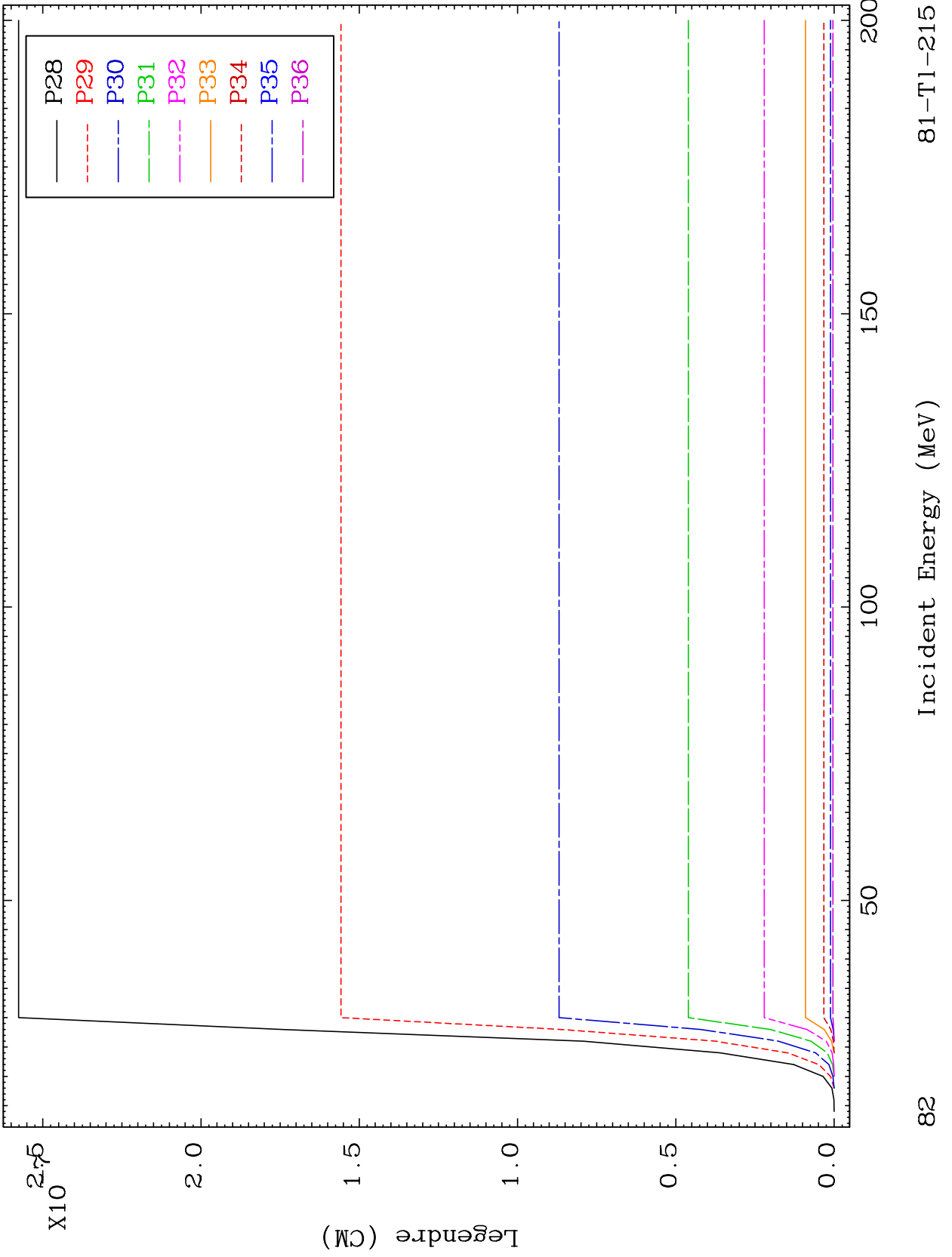
81-T1-215

MAT 8161

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

81-T1-215

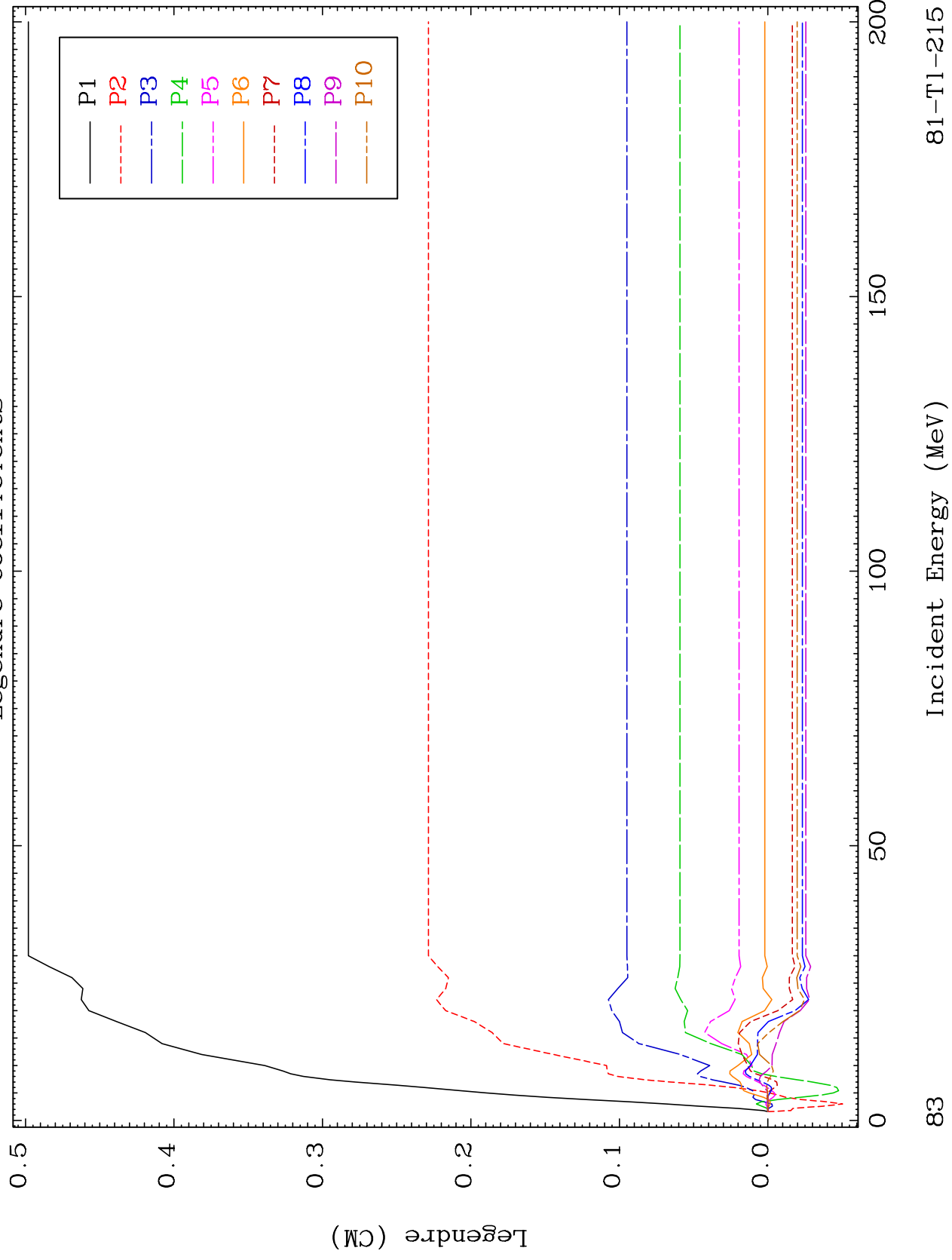




MAT 8161

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

81-T1-215

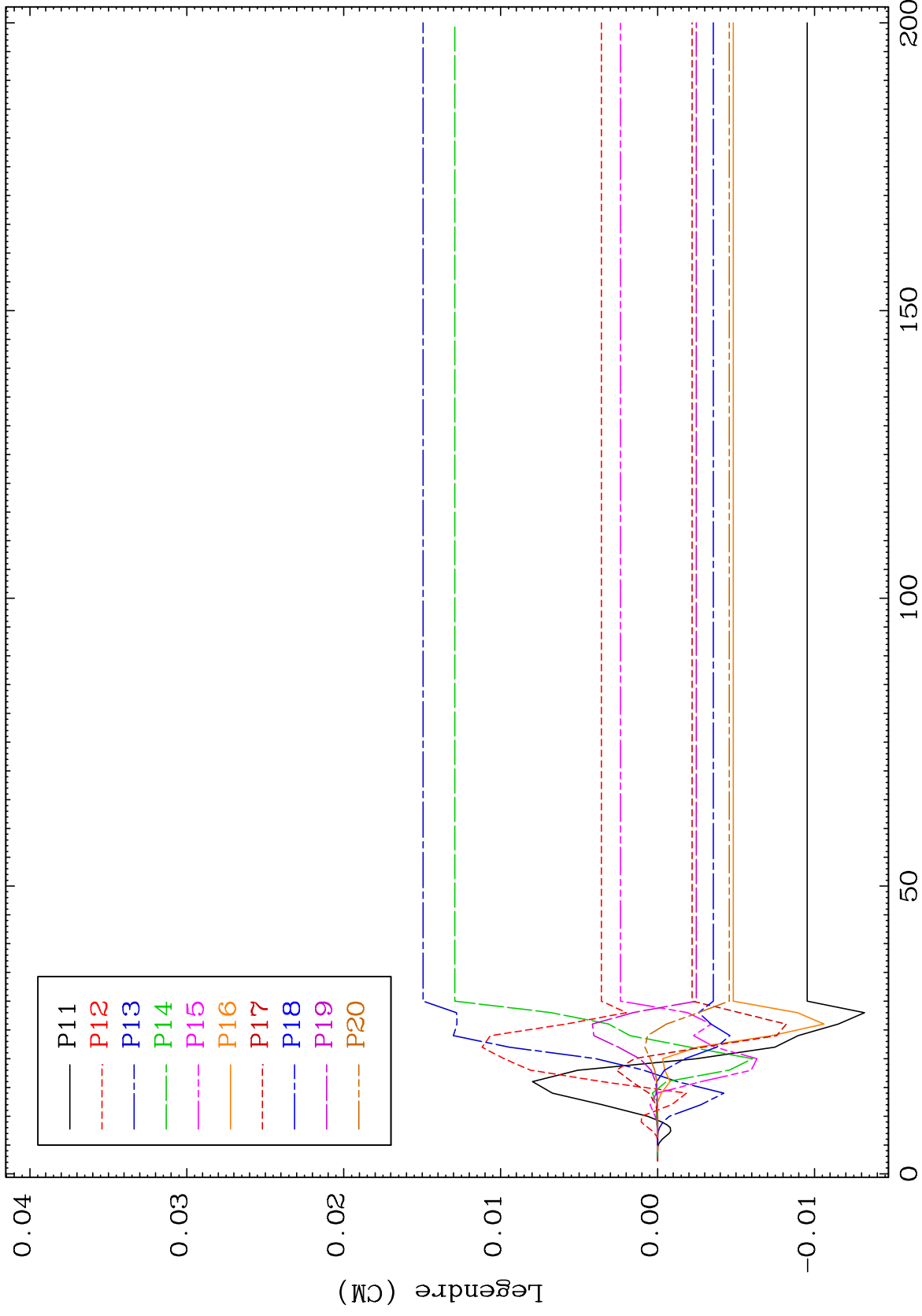


83

MAT 8161

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

81-T1-215



84

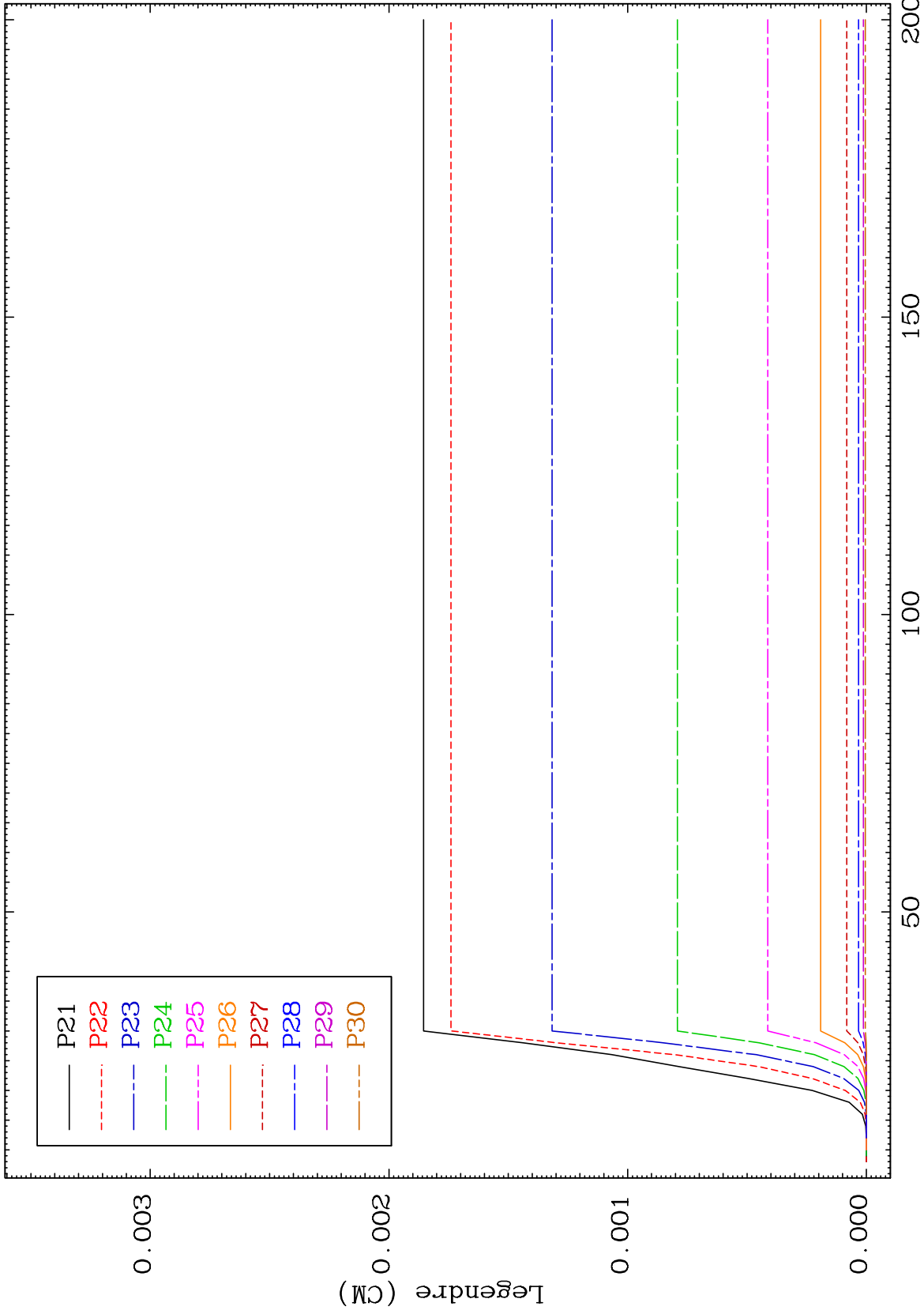
Incident Energy (MeV)

81-T1-215

MAT 8161

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

81-Tl-215



85

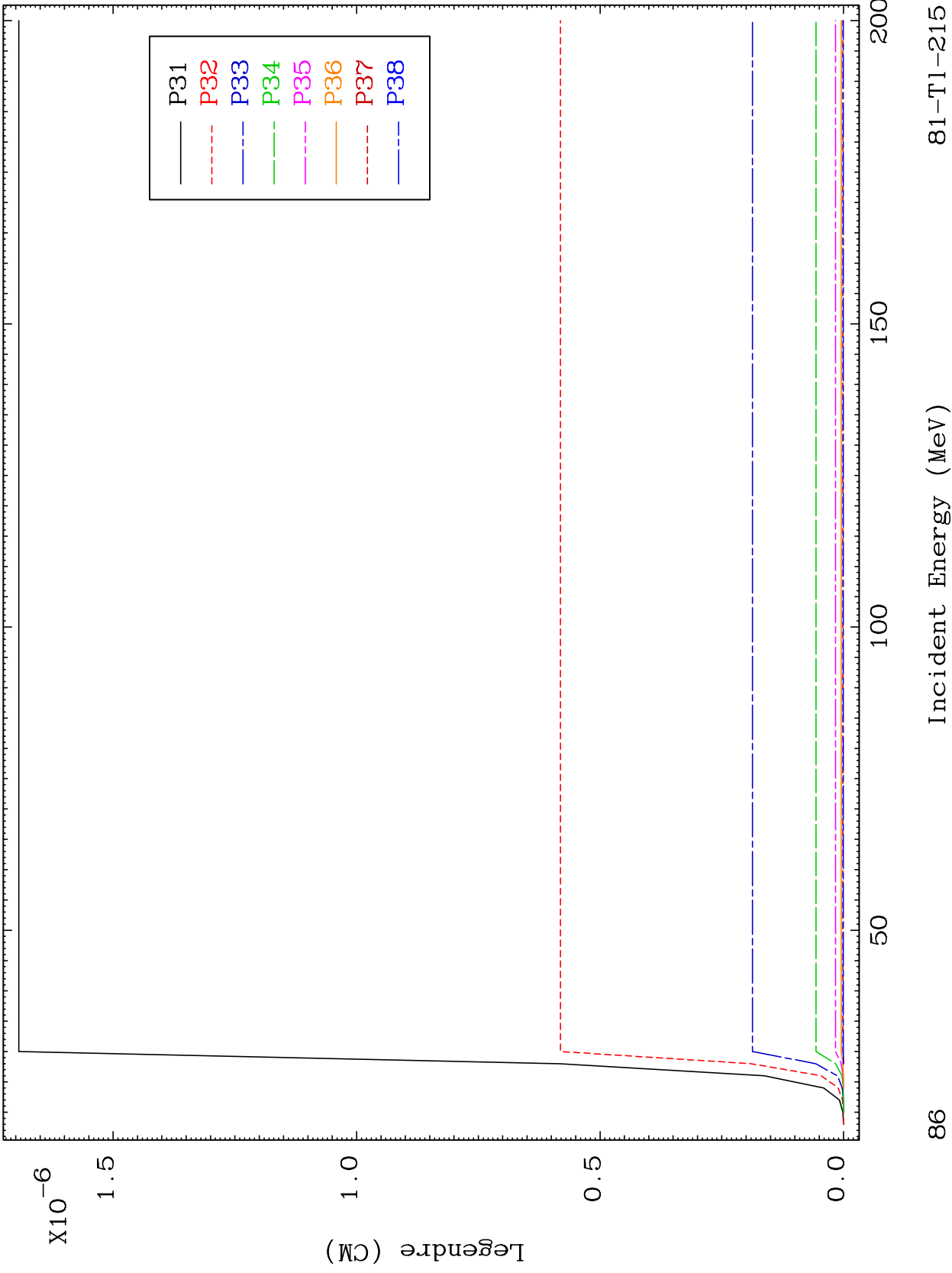
Incident Energy (MeV)

81-Tl-215

MAT 8161

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

81-T1-215



86

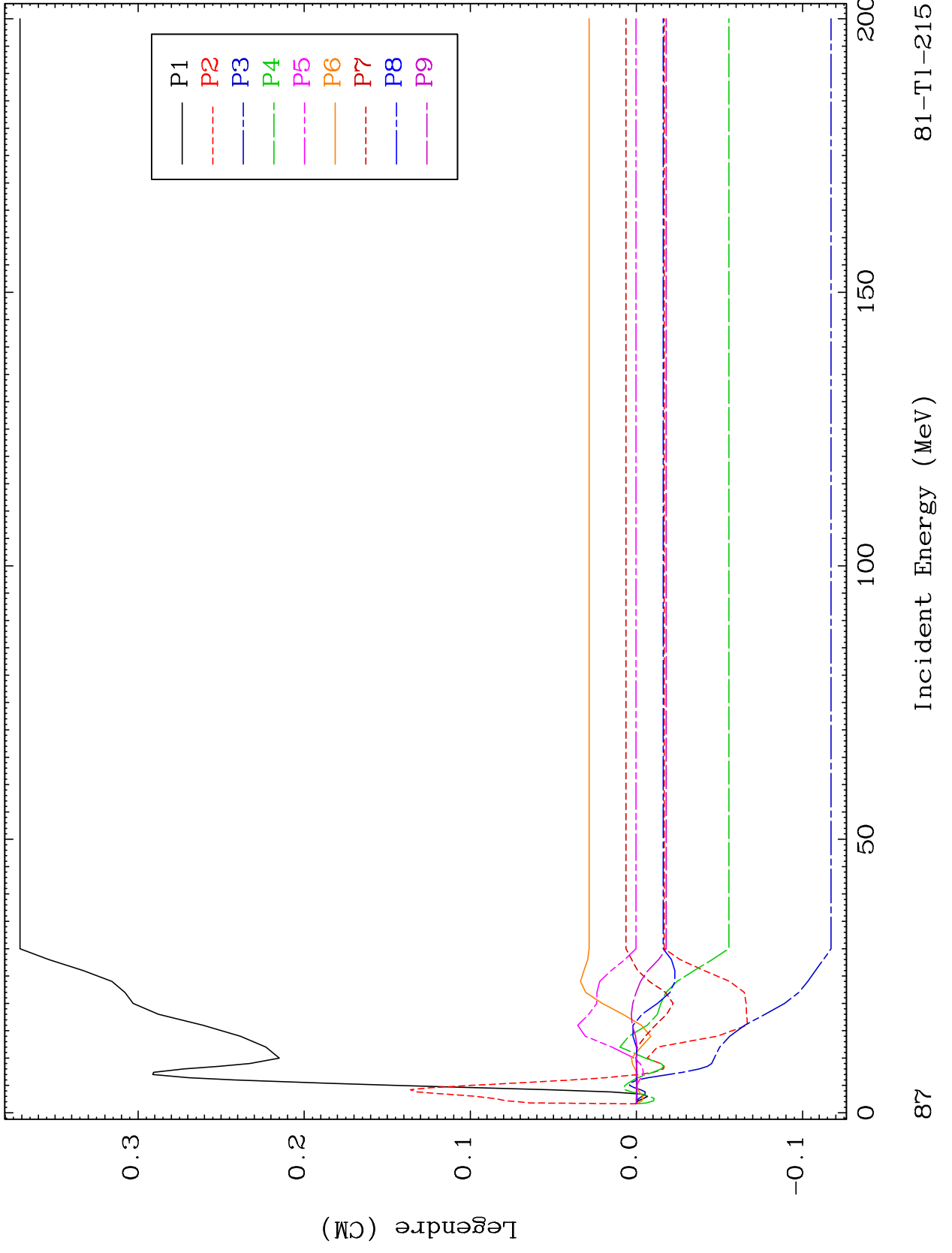
Incident Energy (MeV)

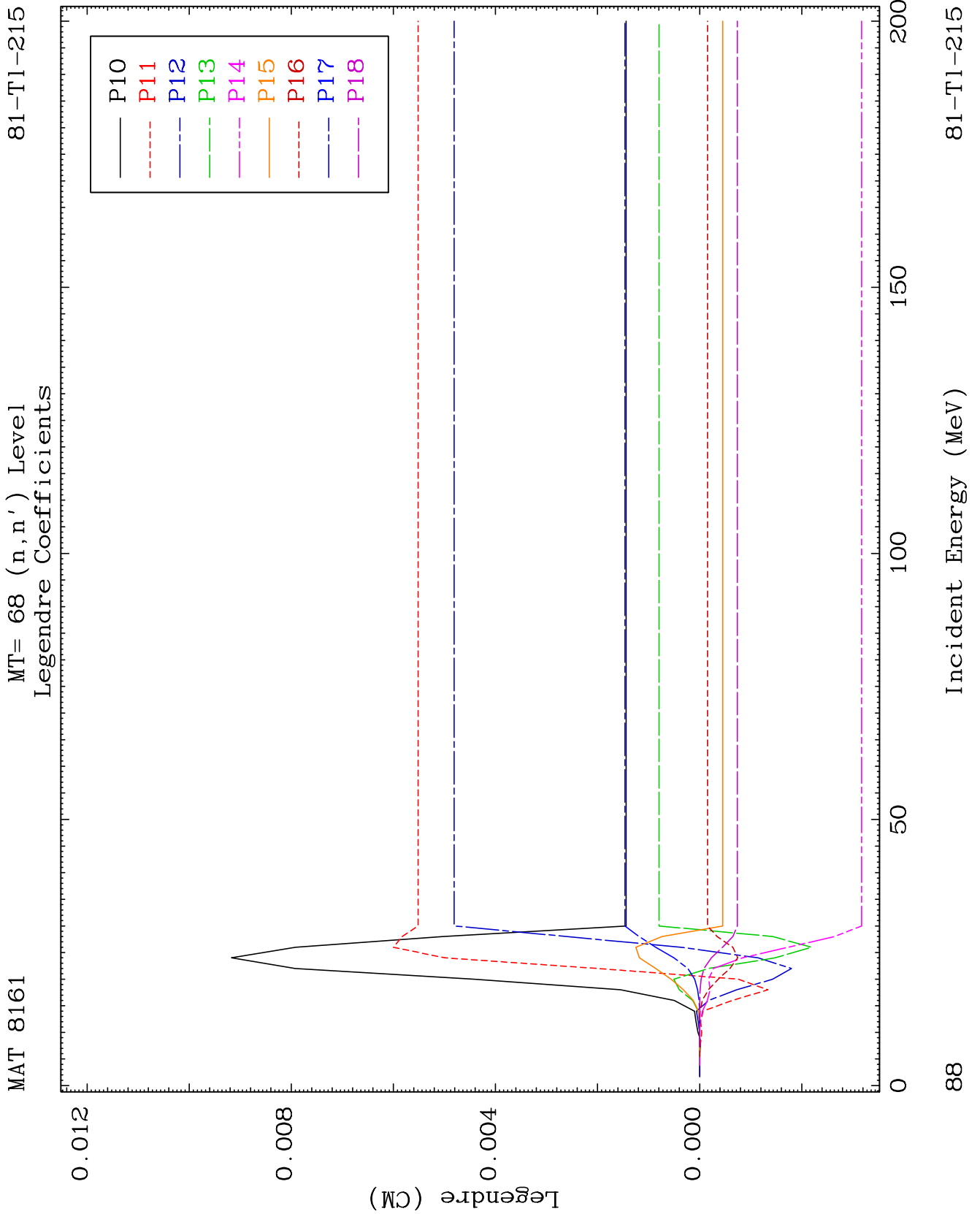
81-T1-215

MAT 8161

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

81-T1-215

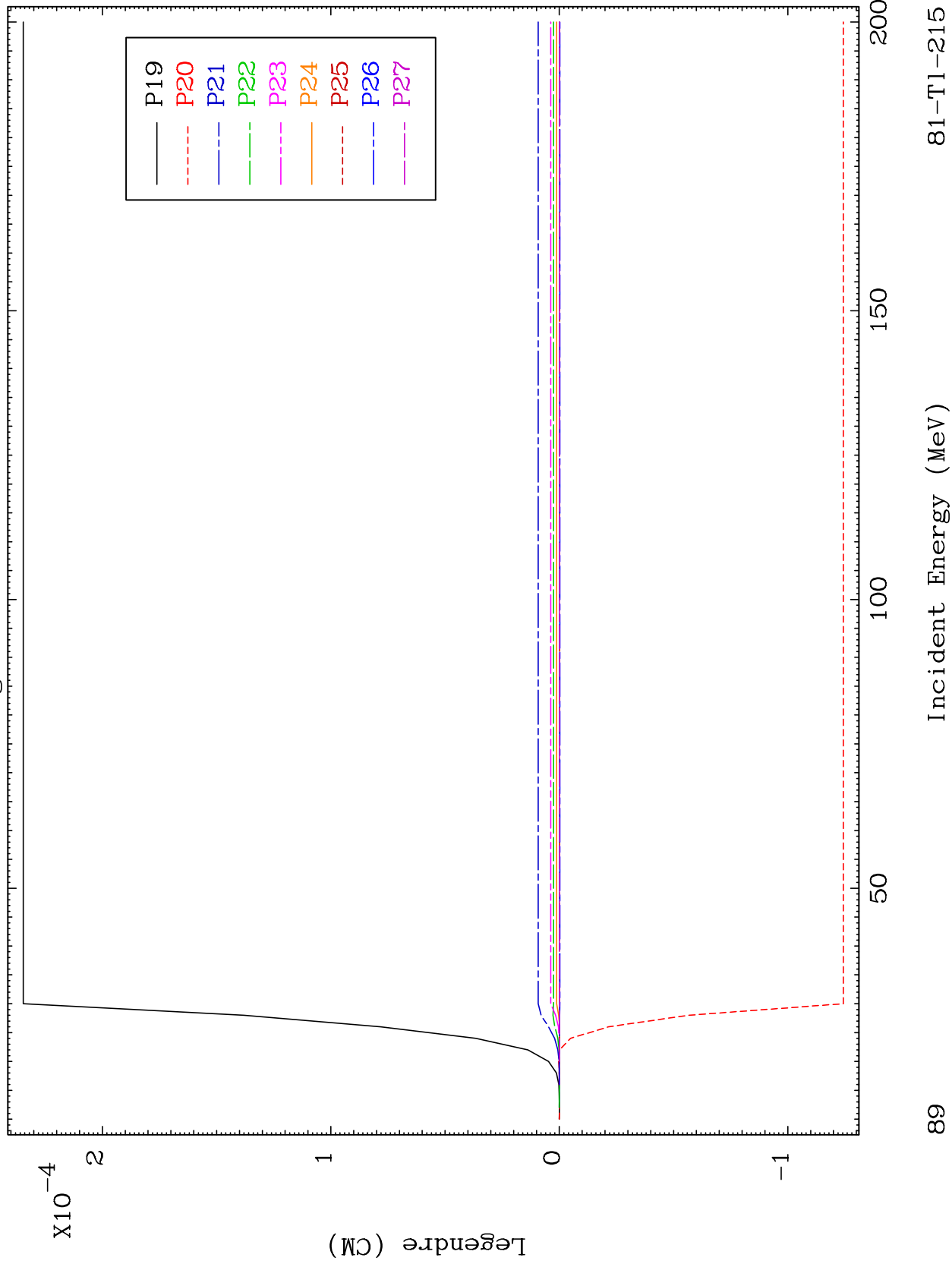




MAT 8161

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

81-Tl-215

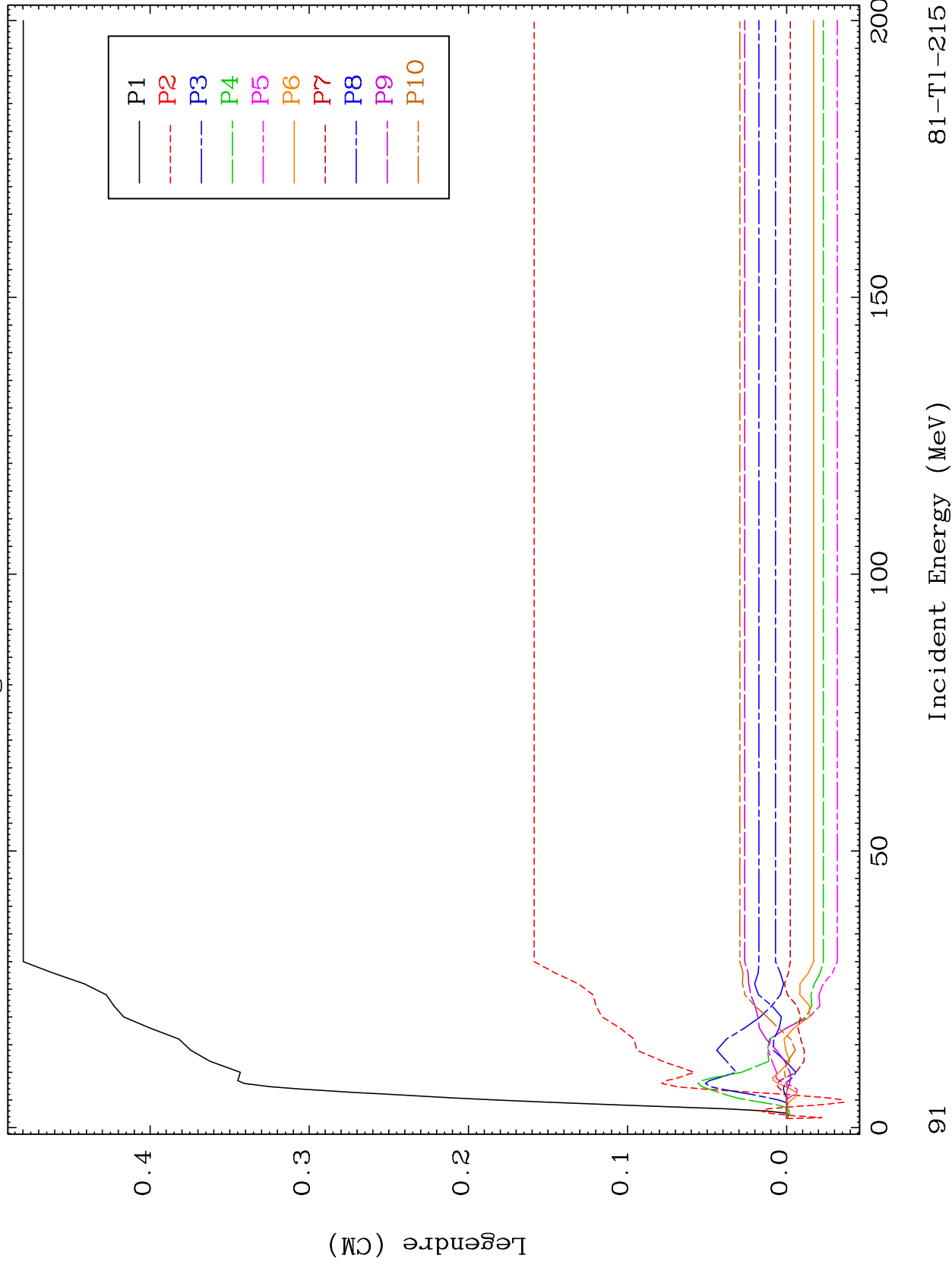




MAT 8161

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

81-Tl-215



81-Tl-215

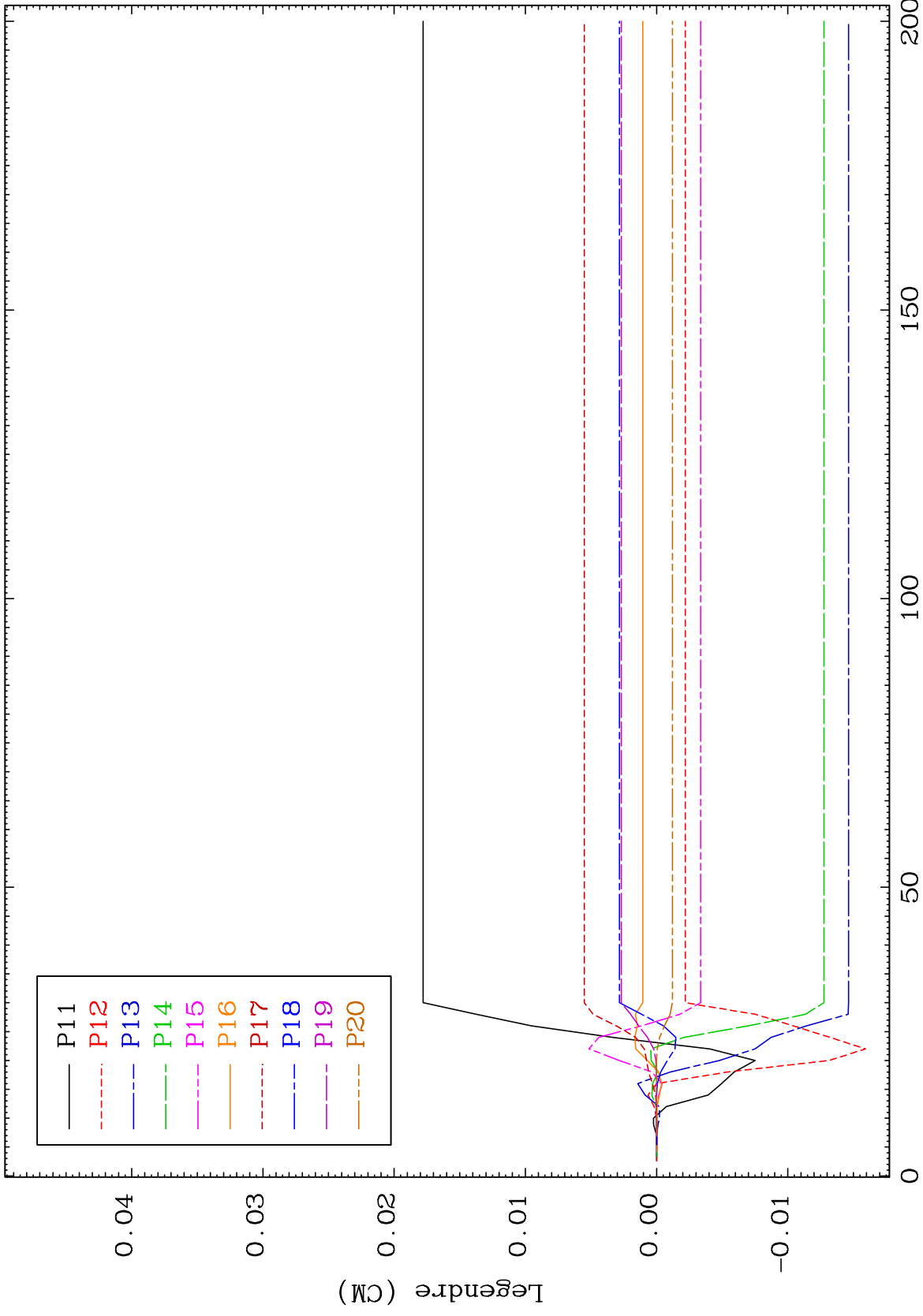
Incident Energy (MeV)

91

MAT 8161

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

81-T1-215



92

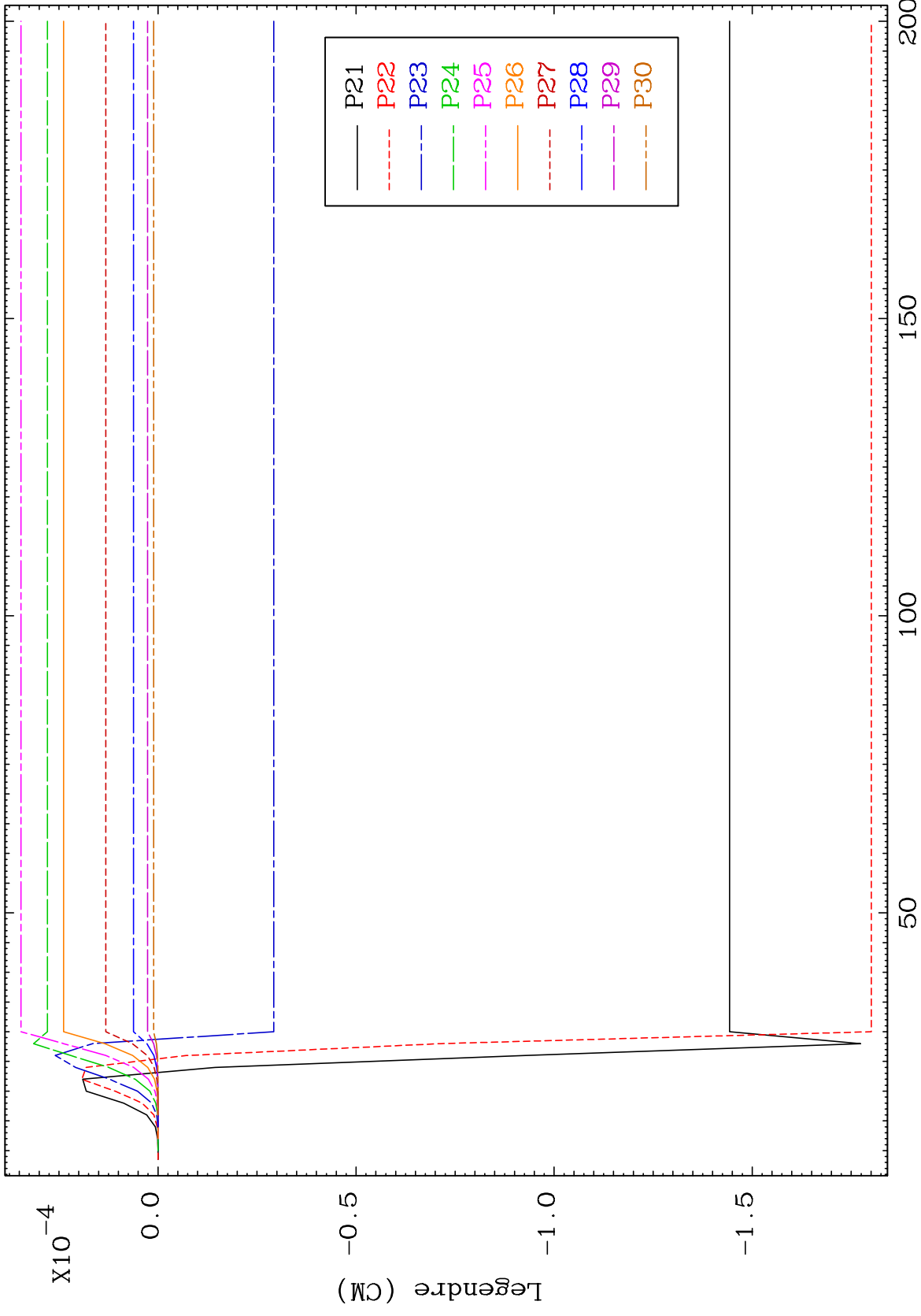
Incident Energy (MeV)

81-T1-215

MAT 8161

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

81-Tl-215



93

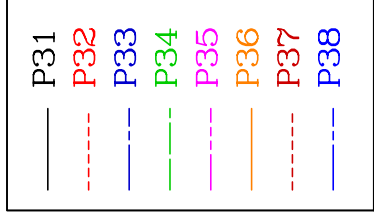
81-Tl-215

MAT 8161

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

81-T1-215

$\times 10^{-7}$



Legendre (CM)

200

150

100

50

94

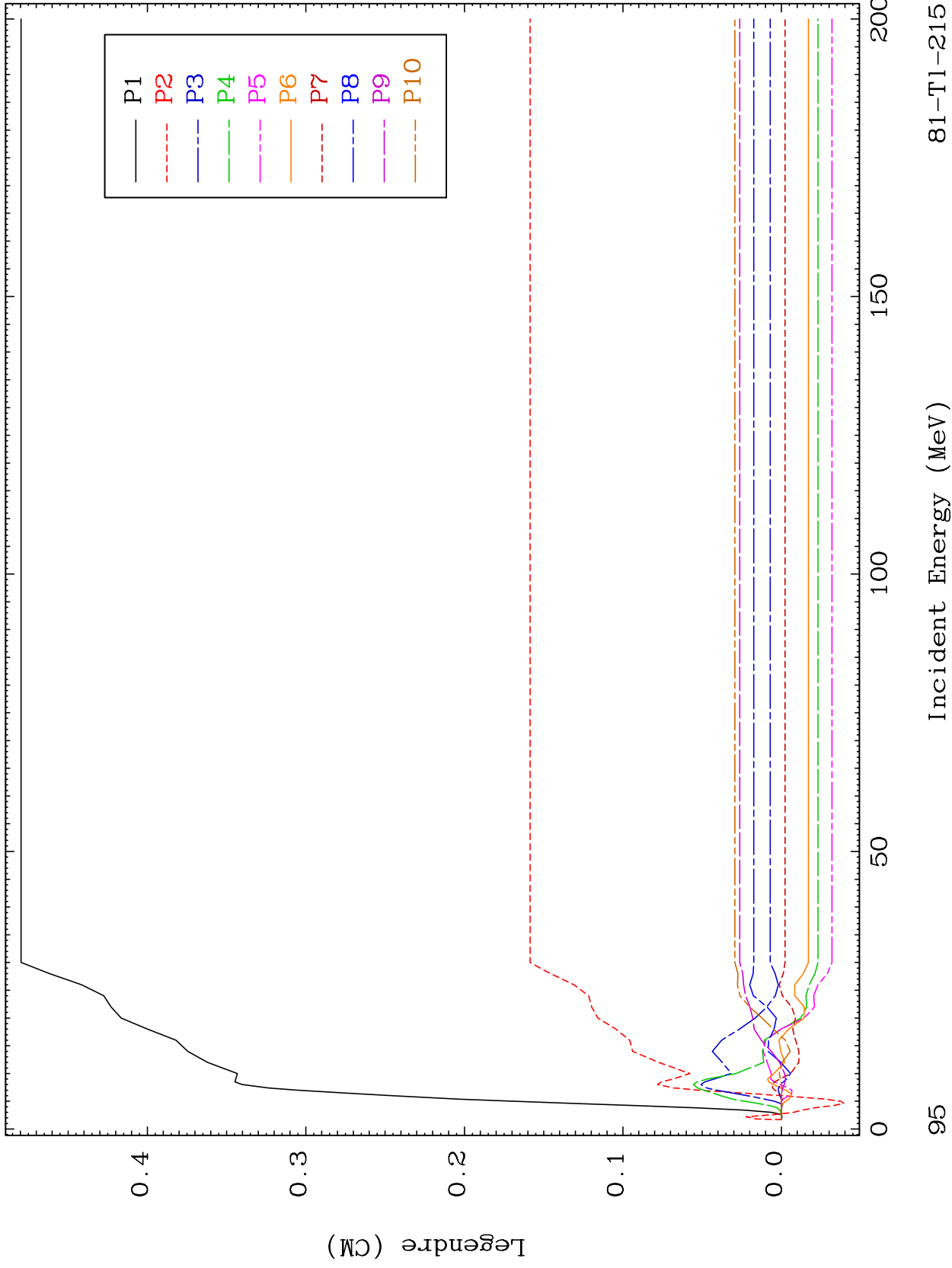
Incident Energy (MeV)

81-T1-215

MAT 8161

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

81-T1-215



81-T1-215

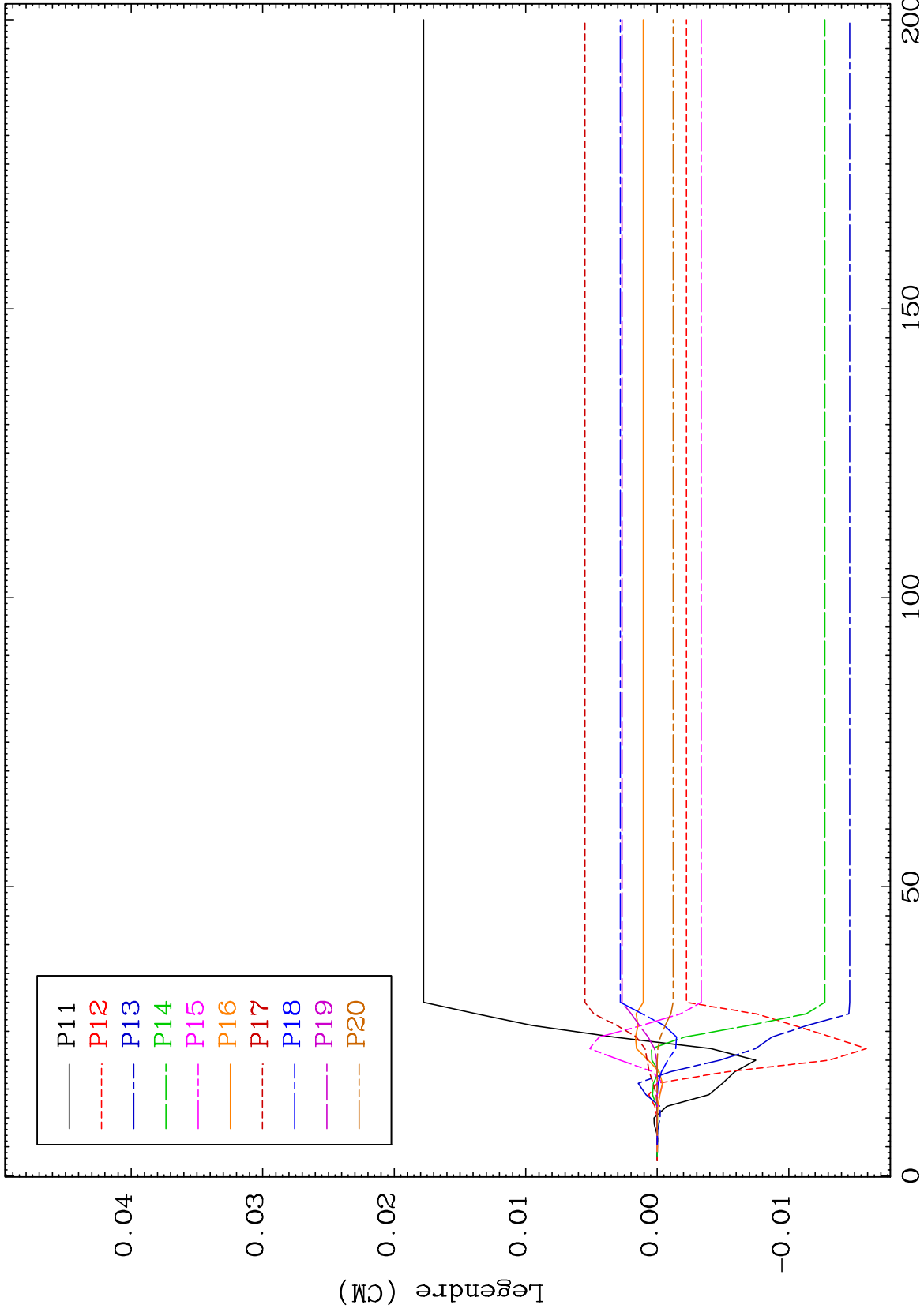
Incident Energy (MeV)

95

MAT 8161

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

81-T1-215



96

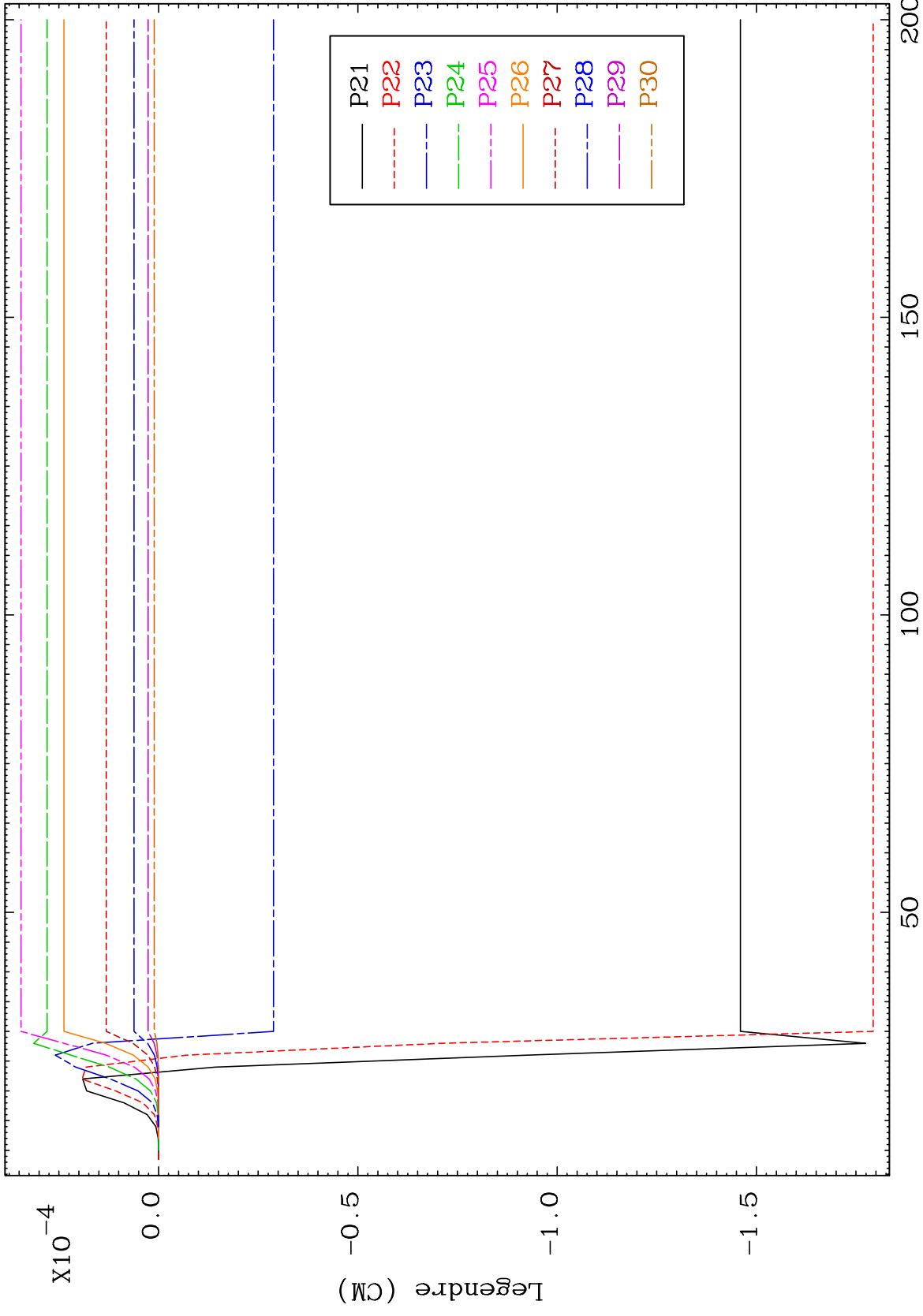
Incident Energy (MeV)

81-T1-215

MAT 8161

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

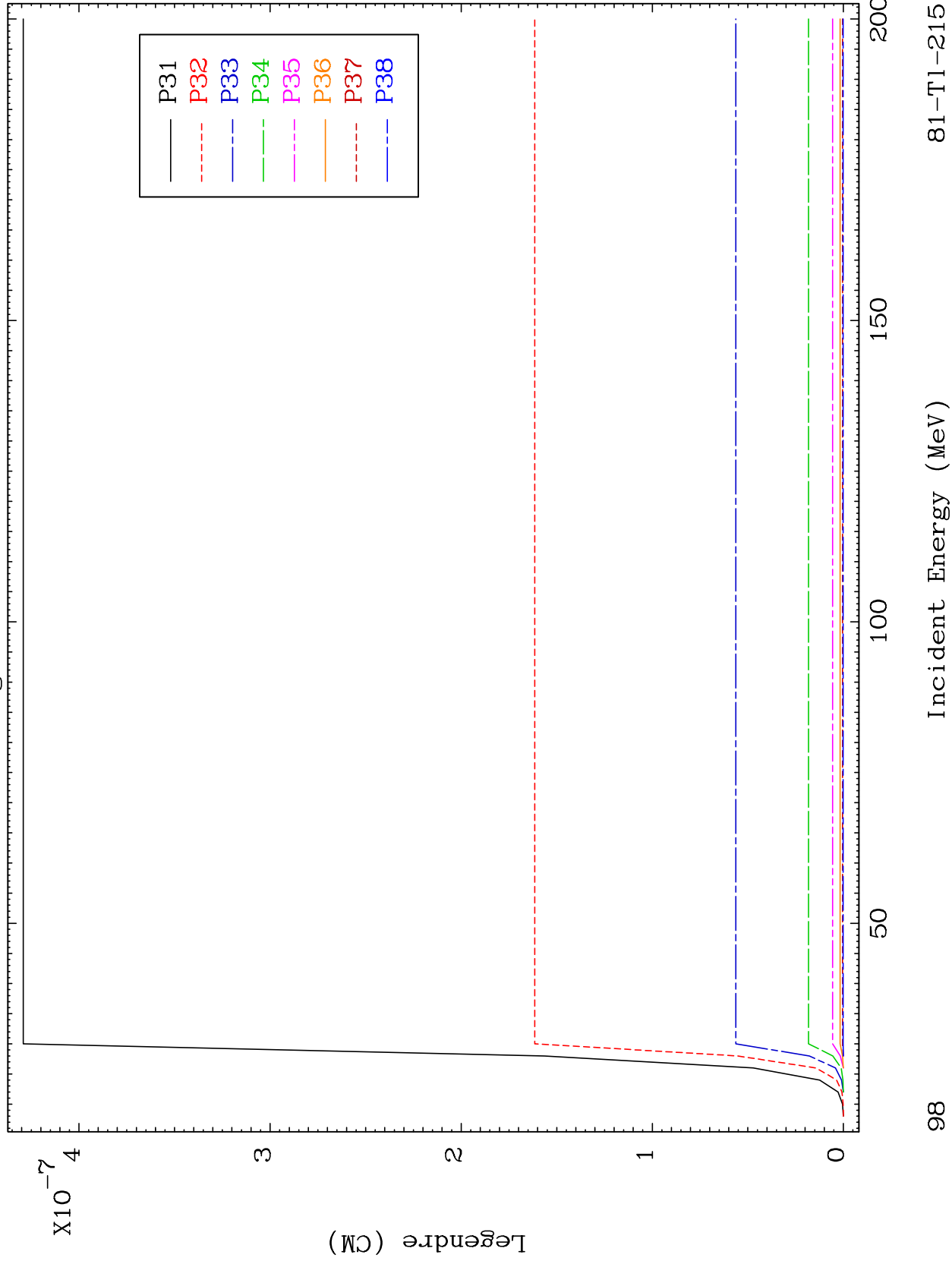
81-T1-215



MAT 8161

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

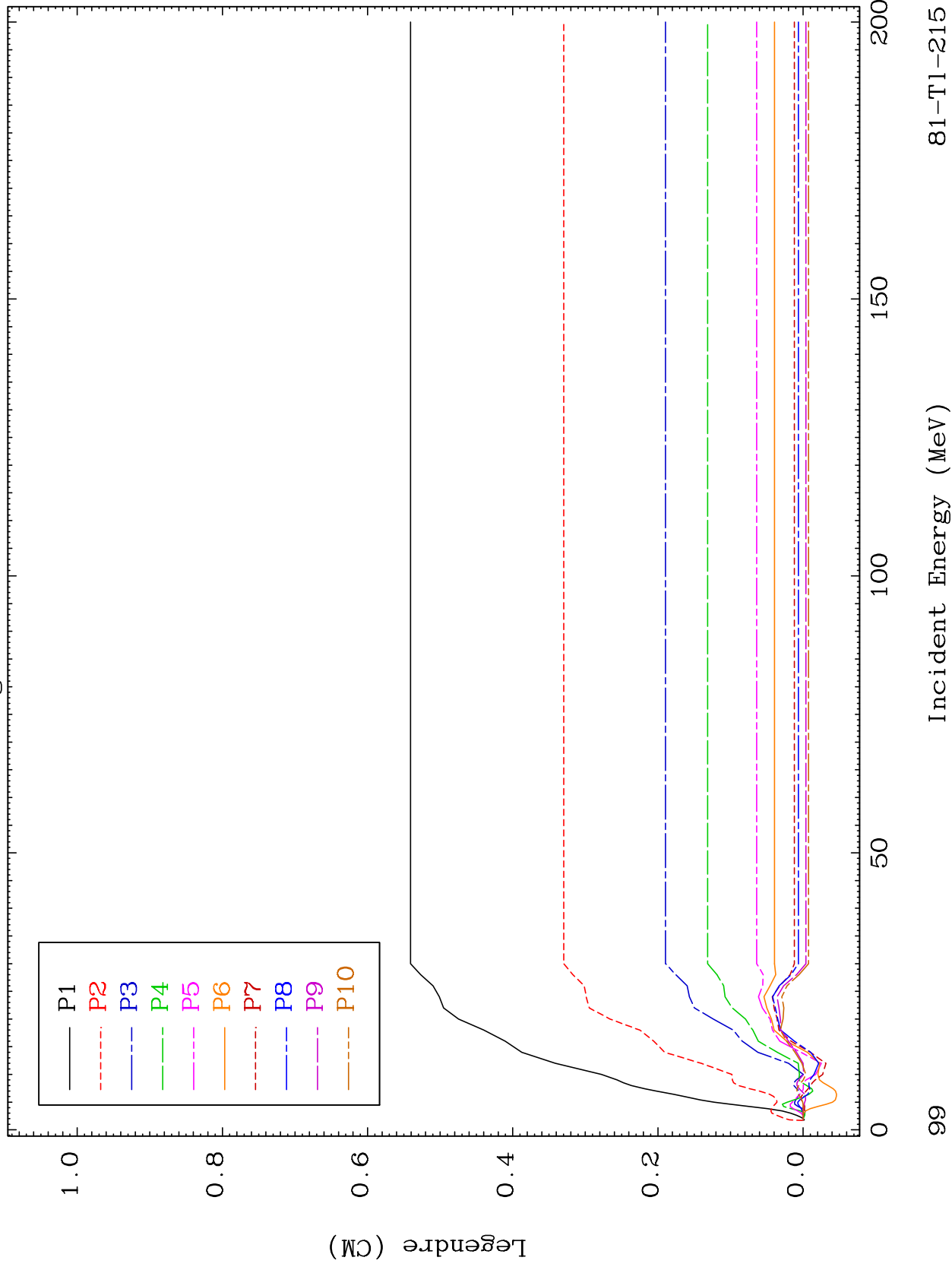
81-T1-215



MAT 8161

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

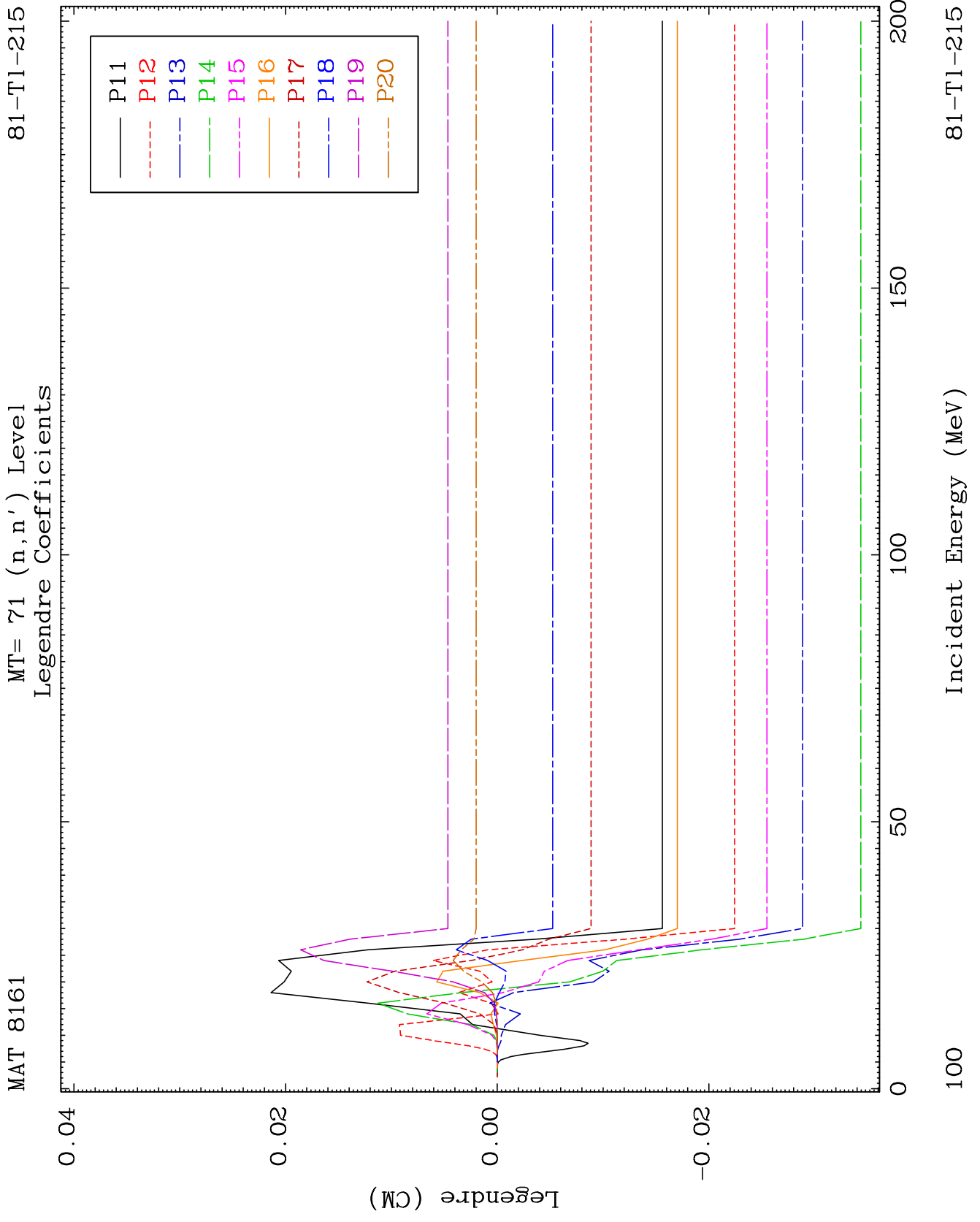
81-T1-215



99

Incident Energy (MeV)

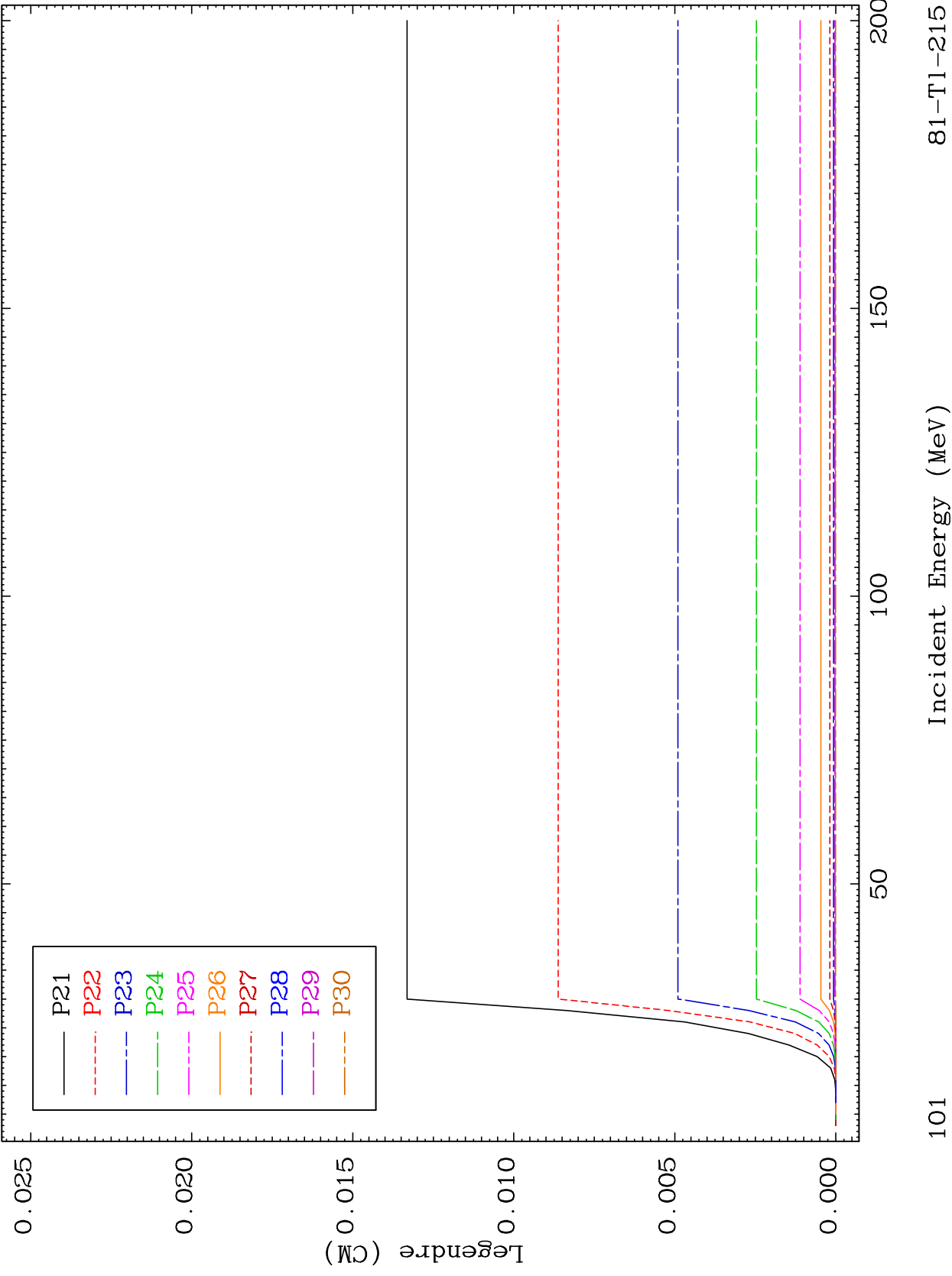
81-T1-215



MAT 8161

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

81-Tl-215

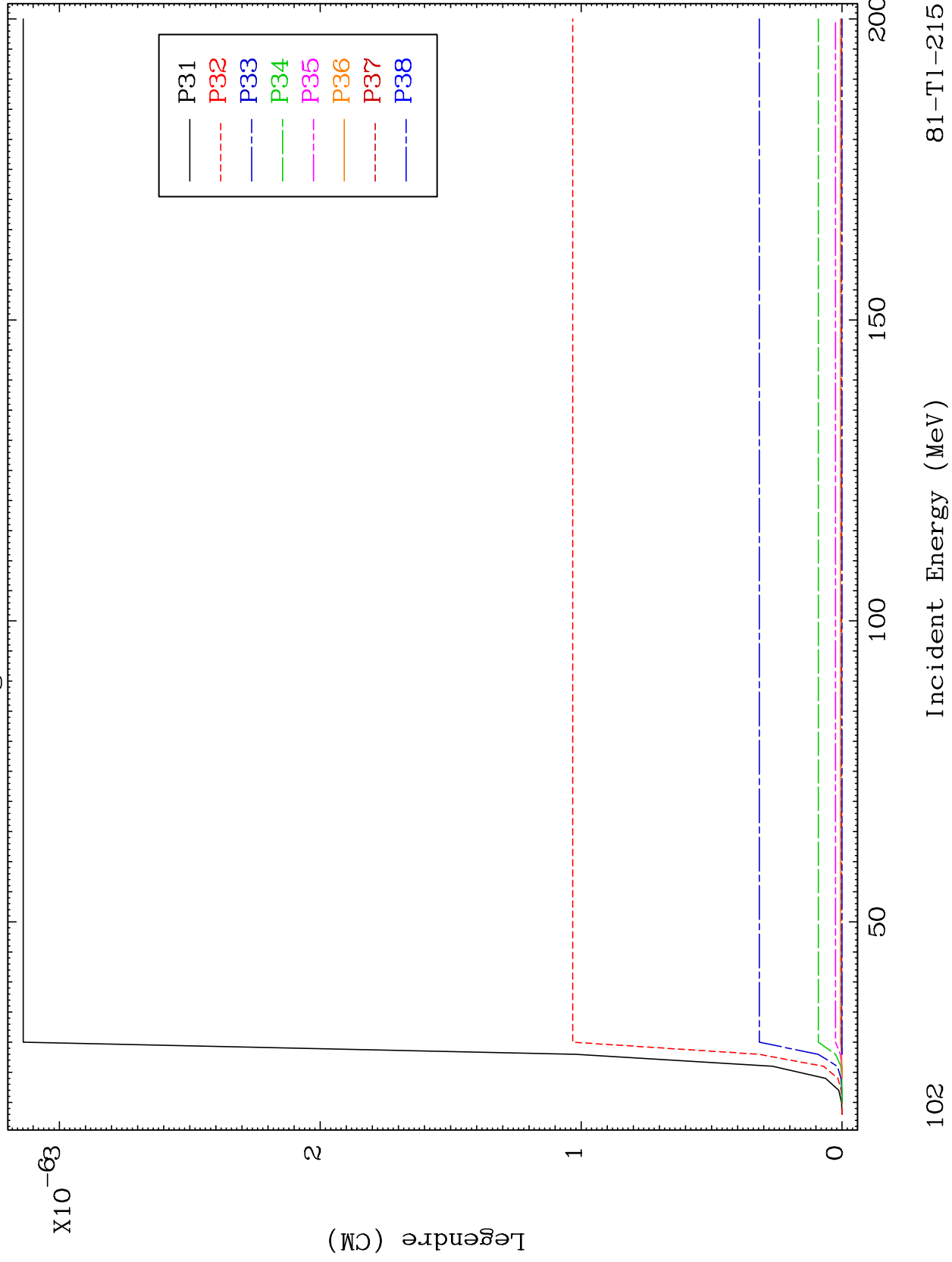


101

MAT 8161

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

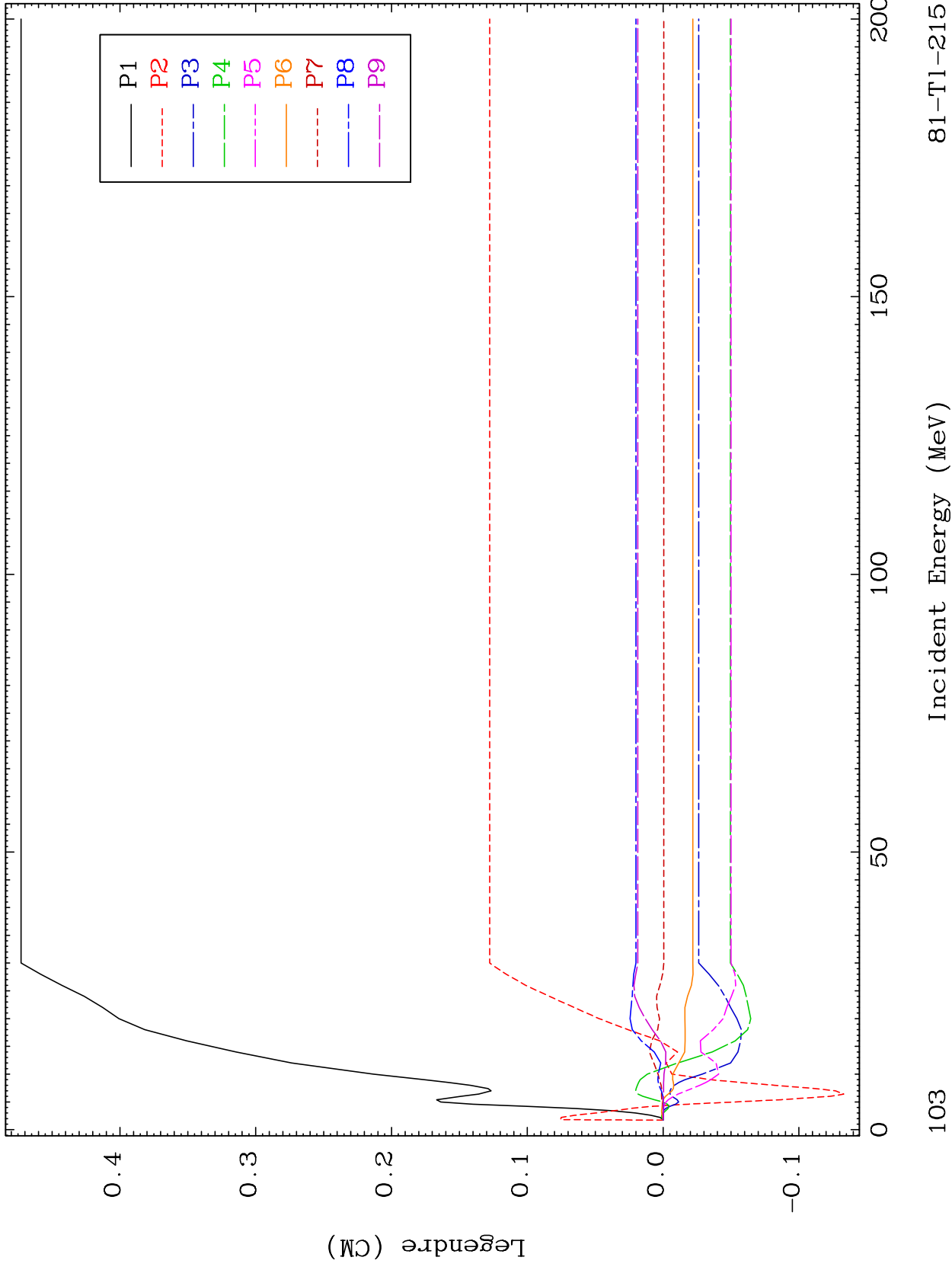
81-T1-215



MAT 8161

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

81-T1-215

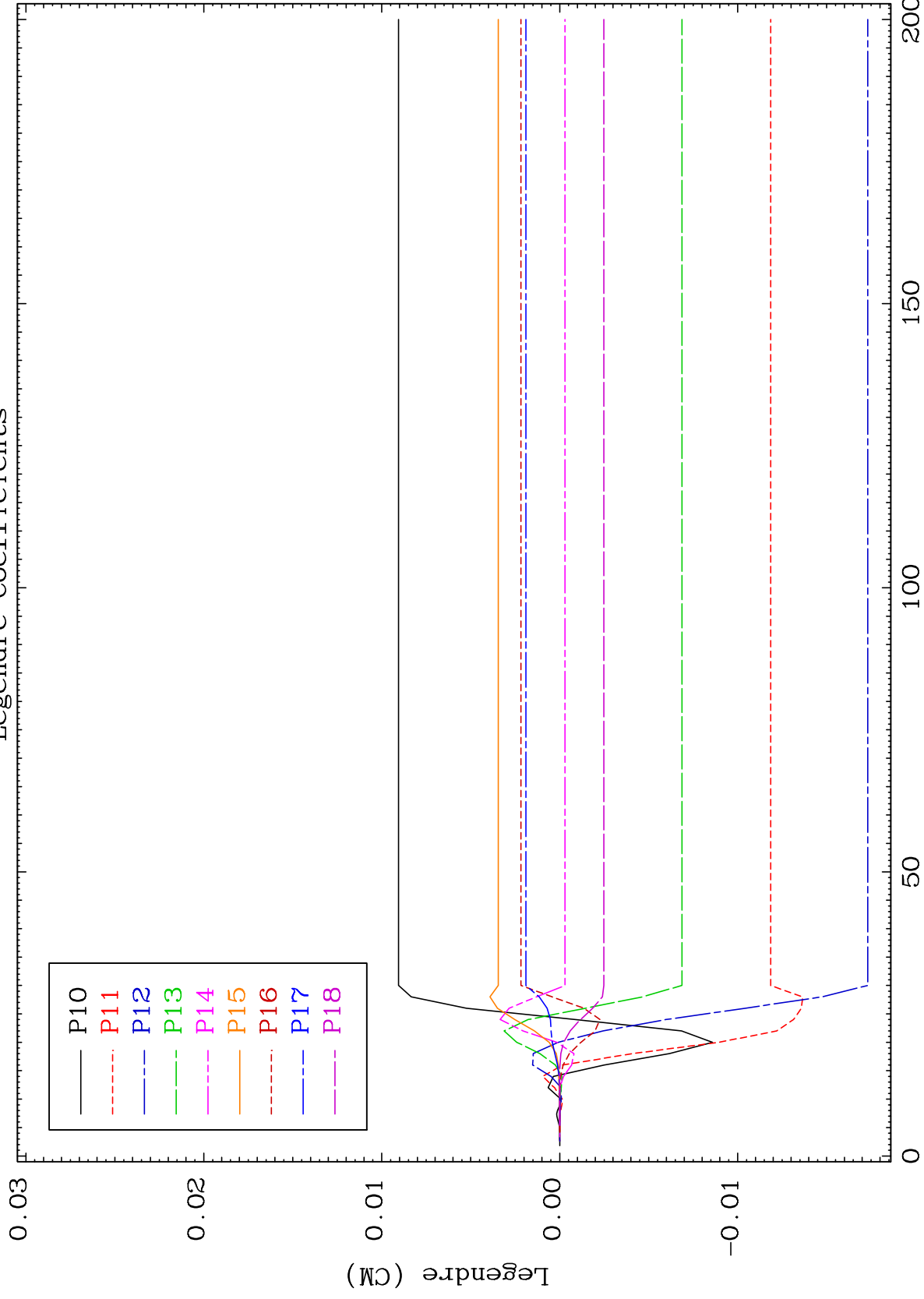


103

MAT 8161

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

81-T1-215



104

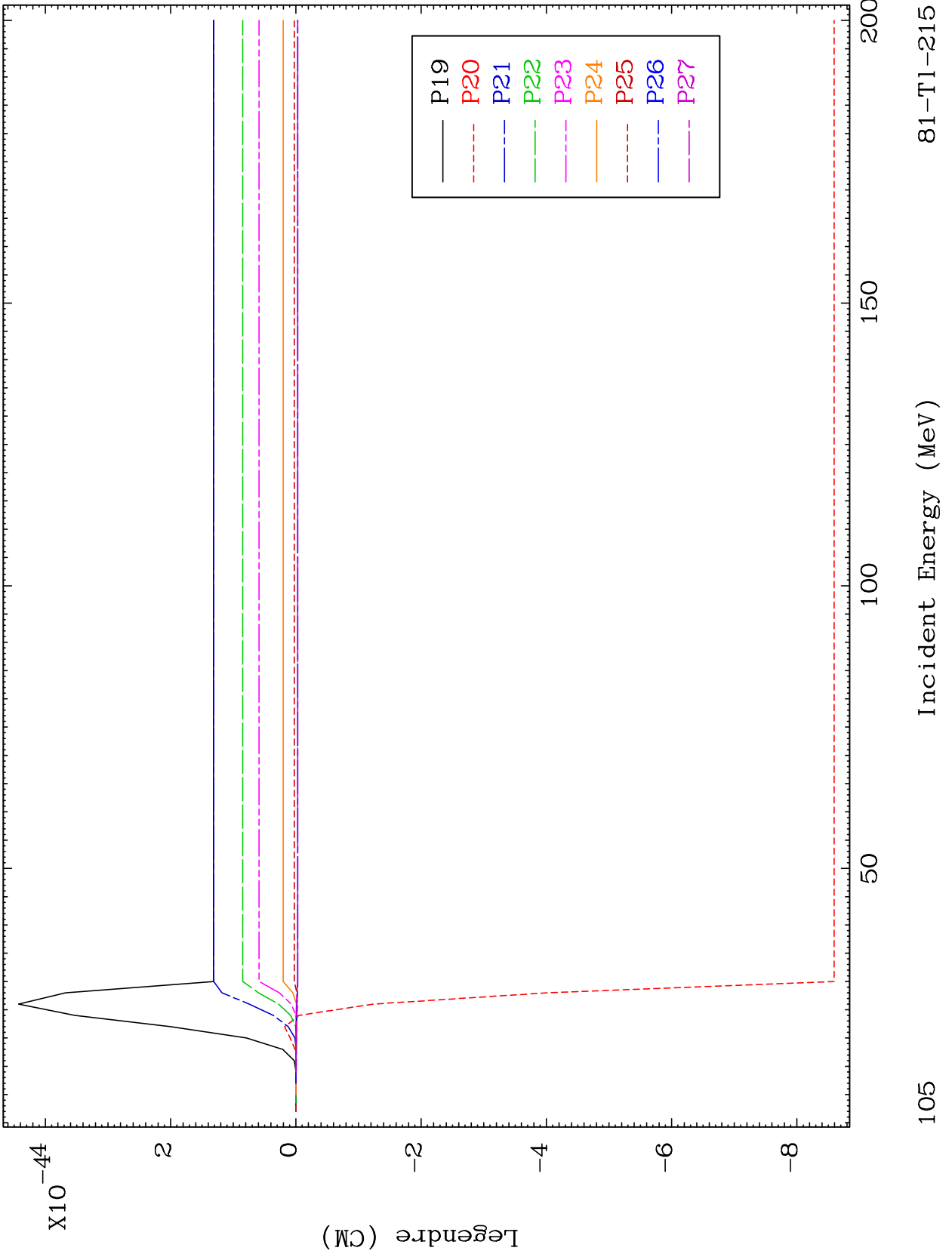
Incident Energy (MeV)

81-T1-215

MAT 8161

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

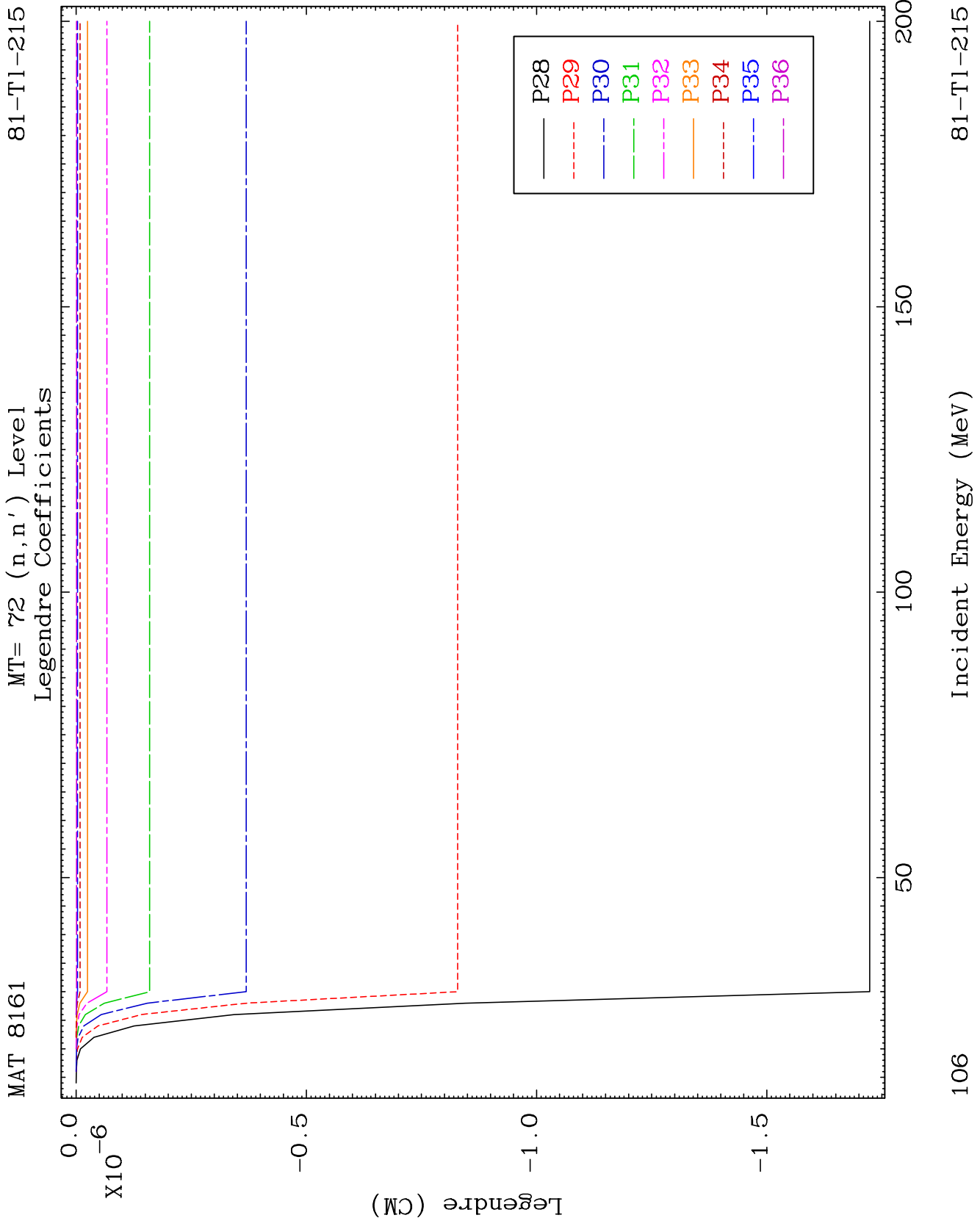
81-T1-215



105

Incident Energy (MeV)

81-T1-215

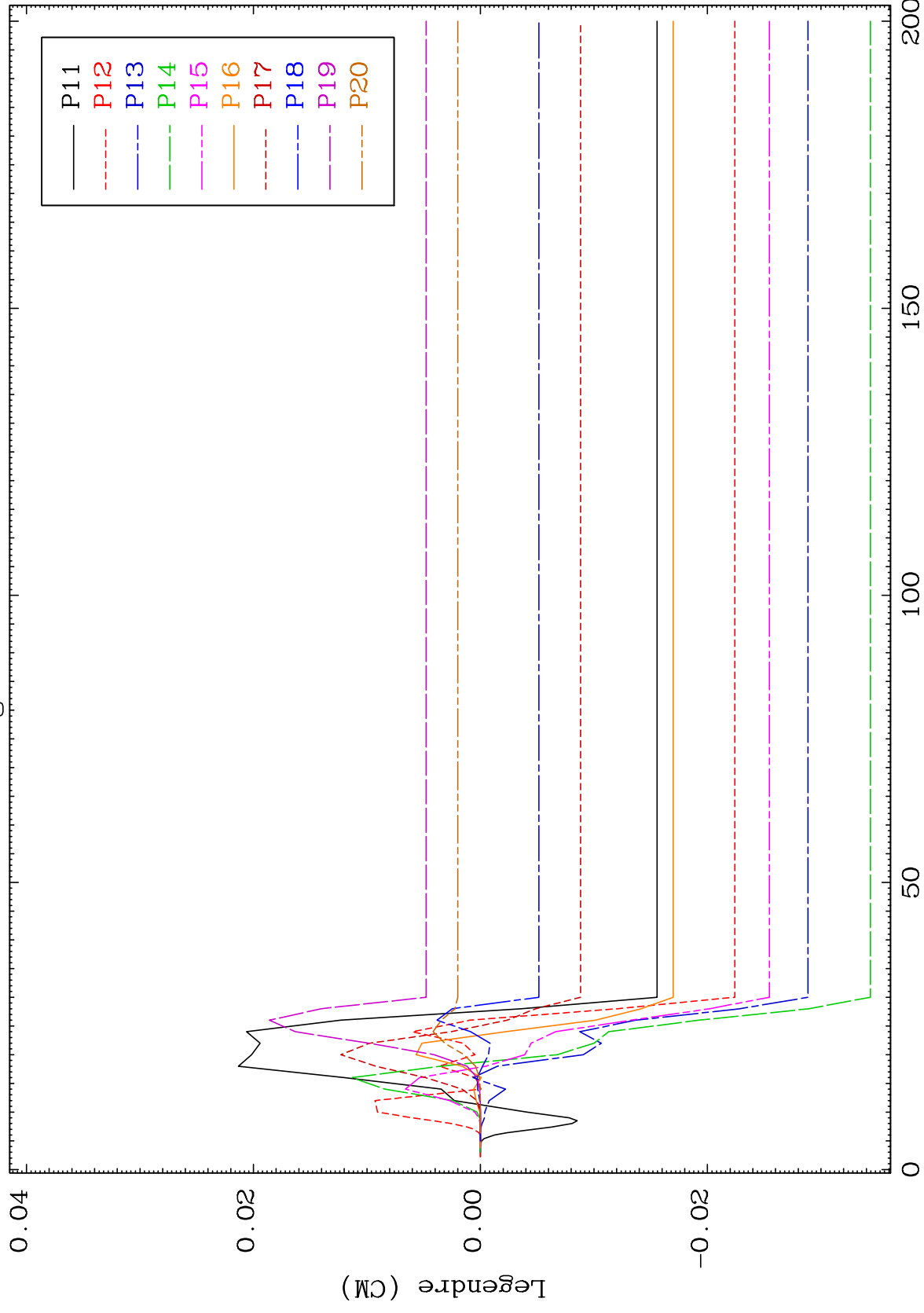




MAT 8161

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

81-T1-215



108

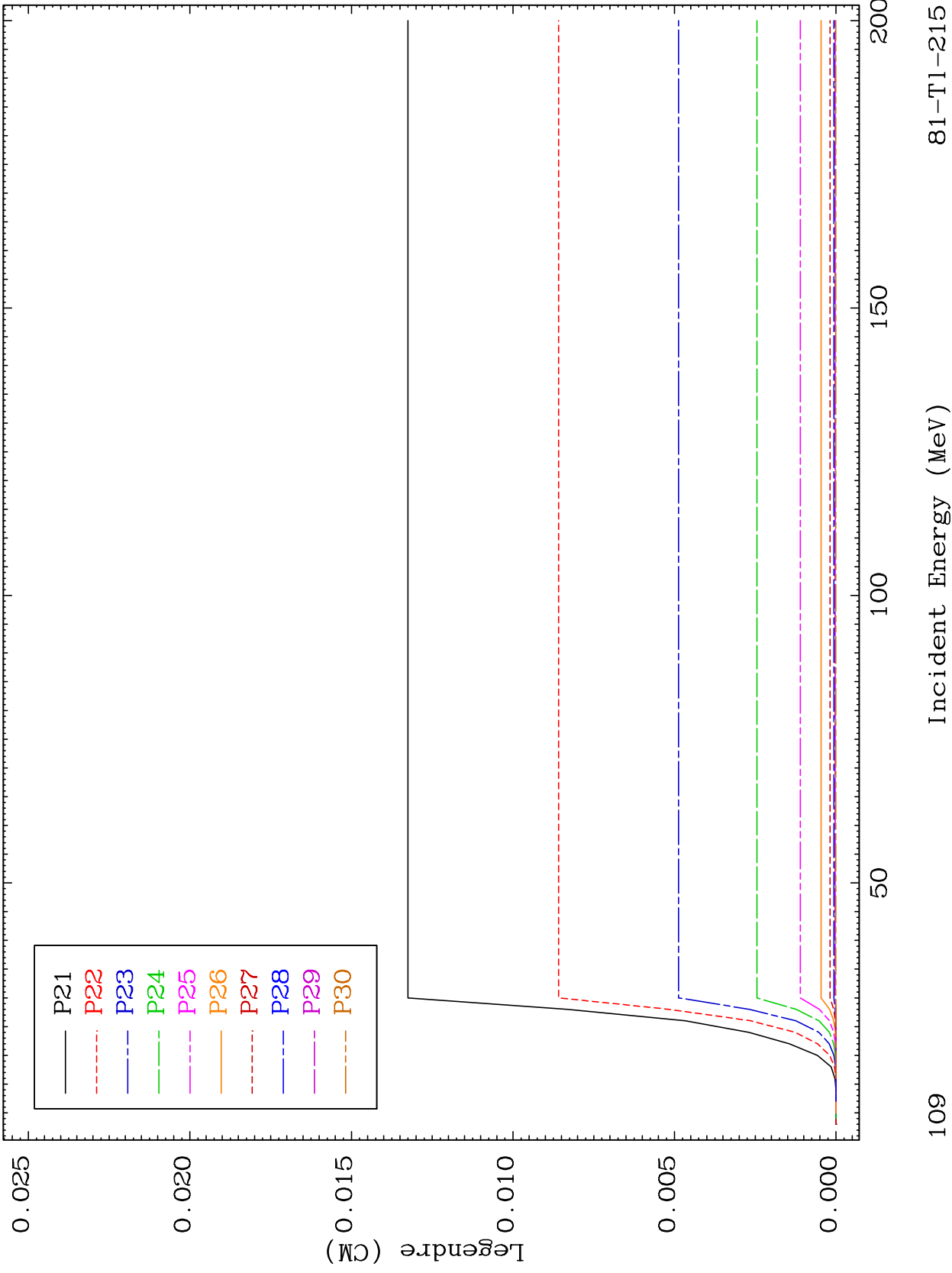
Incident Energy (MeV)

81-T1-215

MAT 8161

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

81-T1-215



109

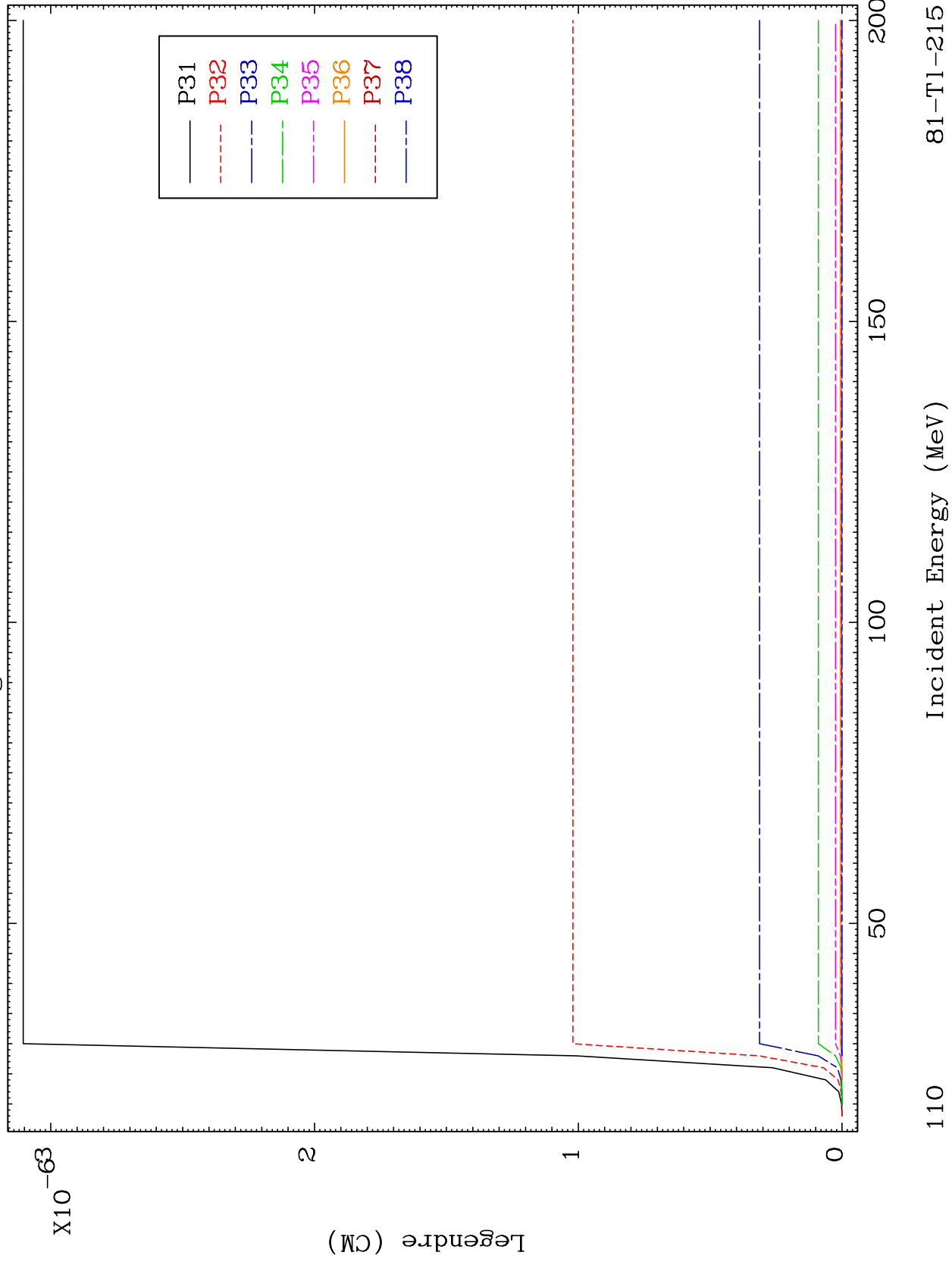
Incident Energy (MeV)

81-T1-215

MAT 8161

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

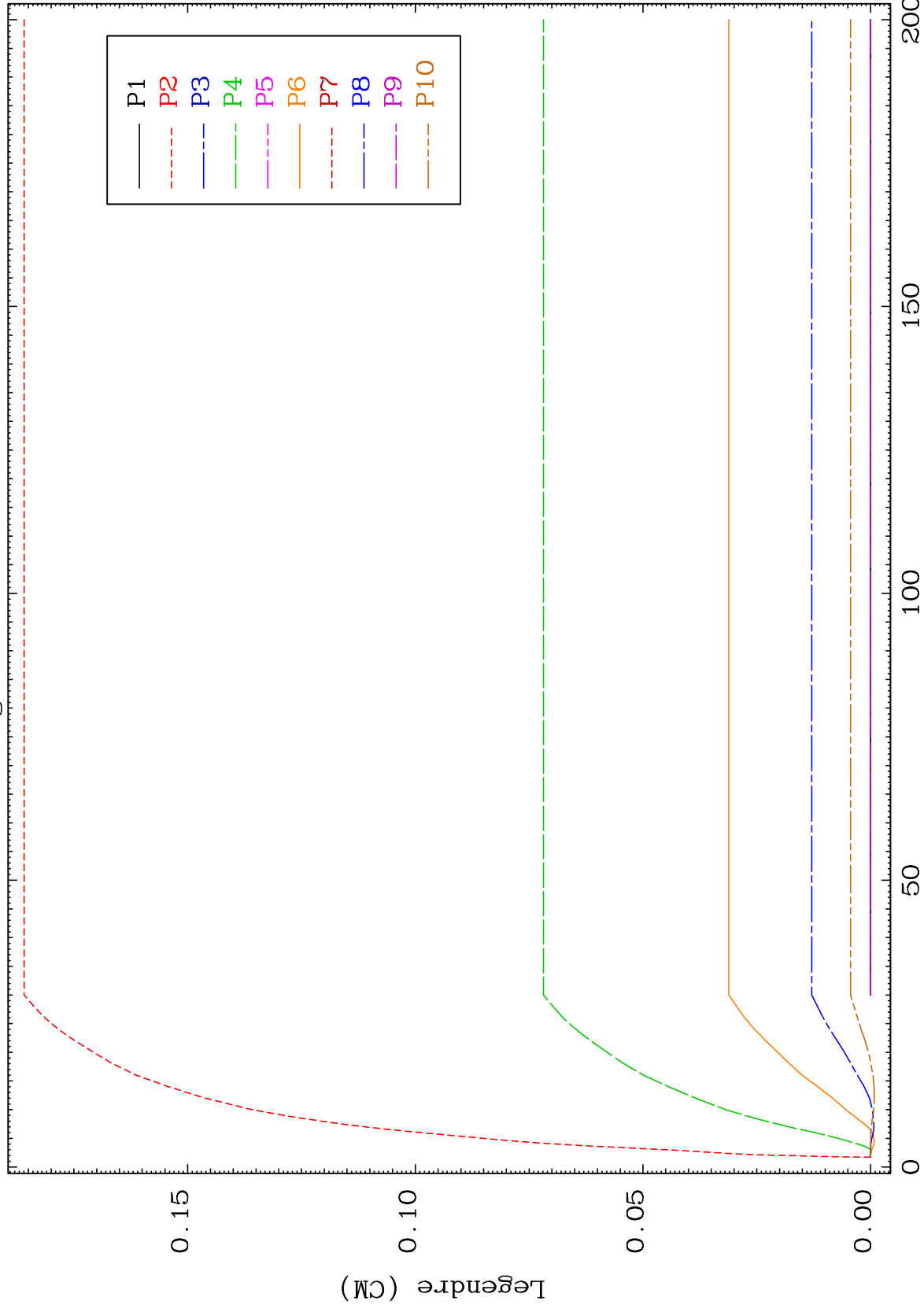
81-T1-215



MAT 8161

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

81-T1-215



111

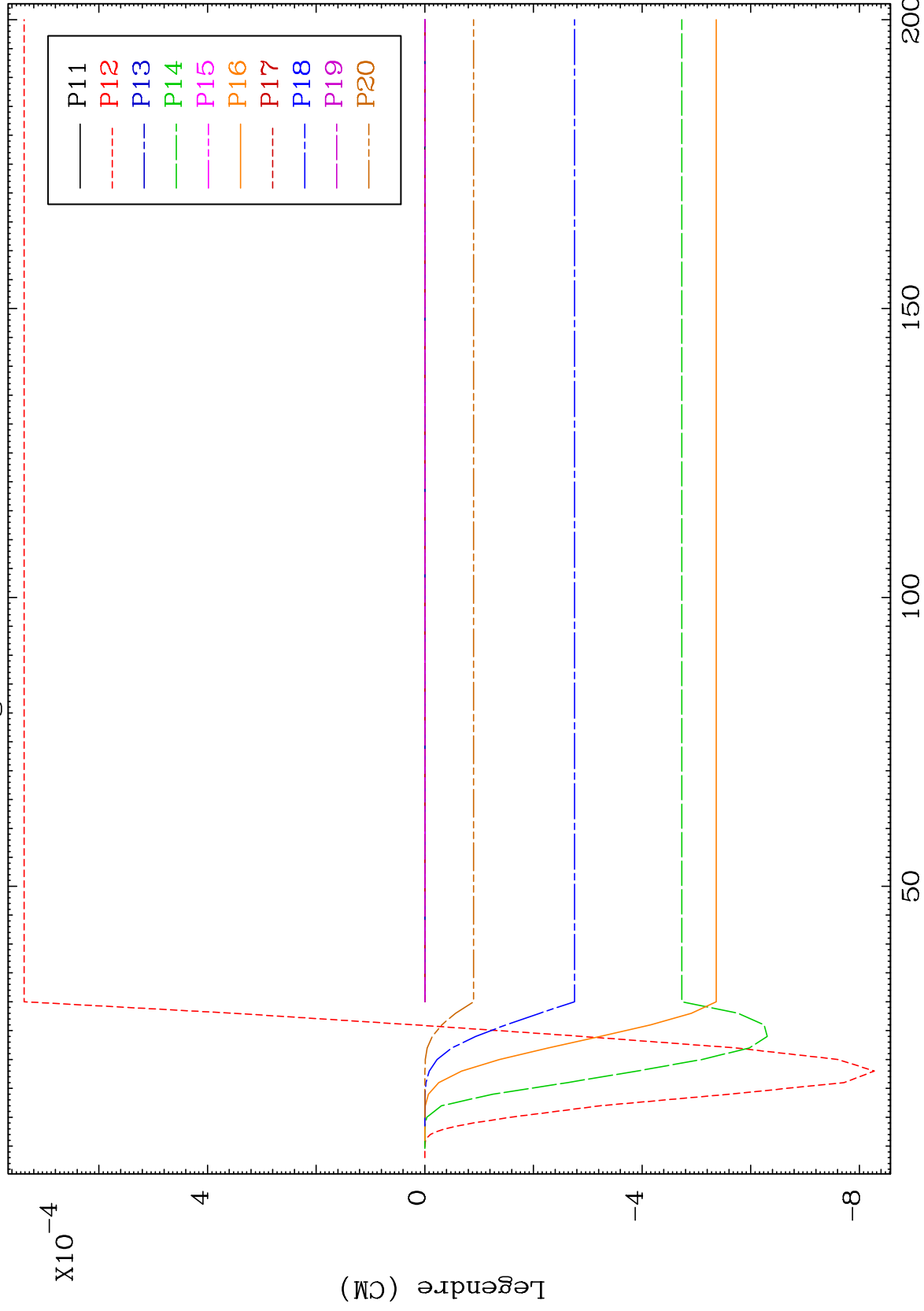
Incident Energy (MeV)

81-T1-215

MAT 8161

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

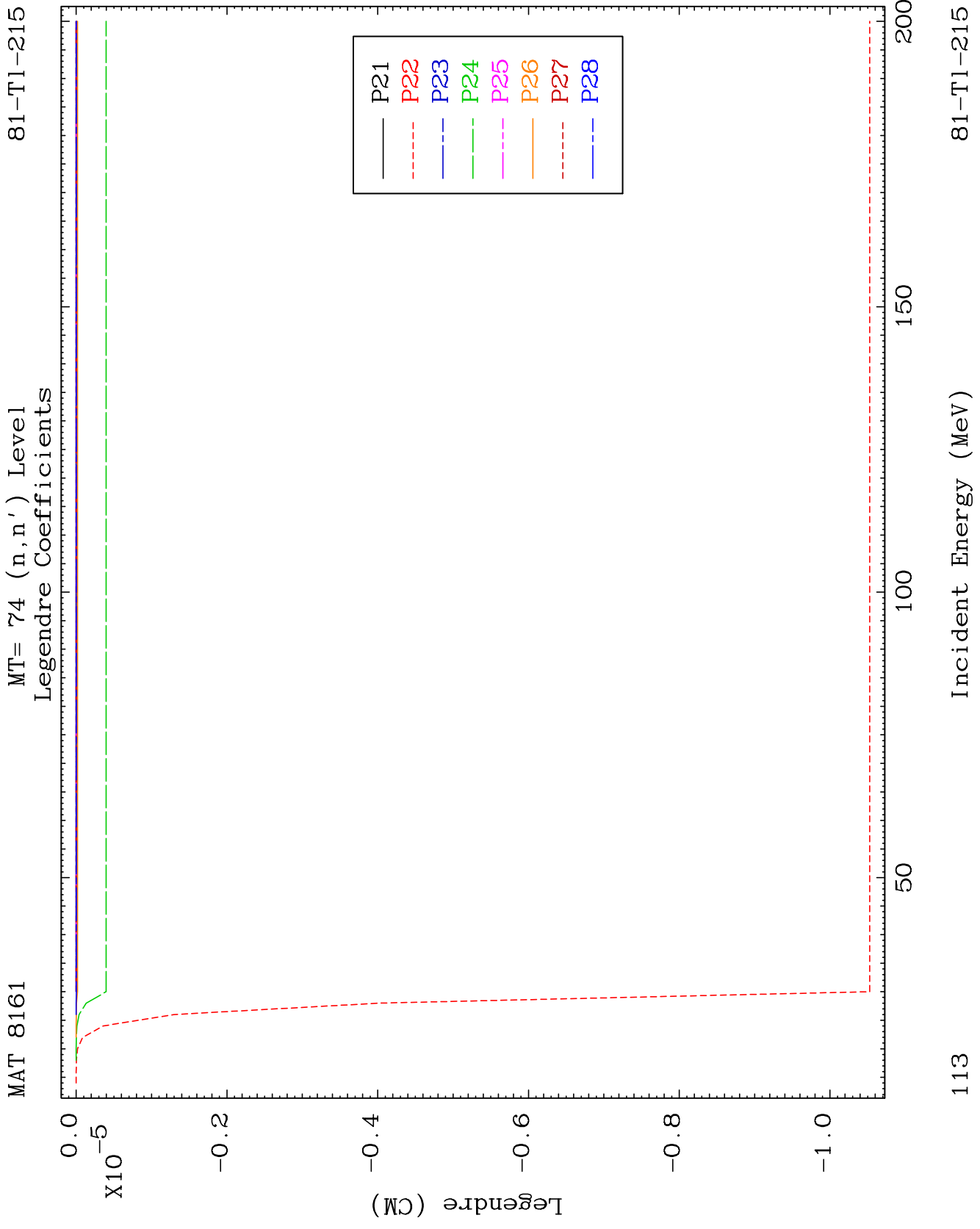
81-Tl-215

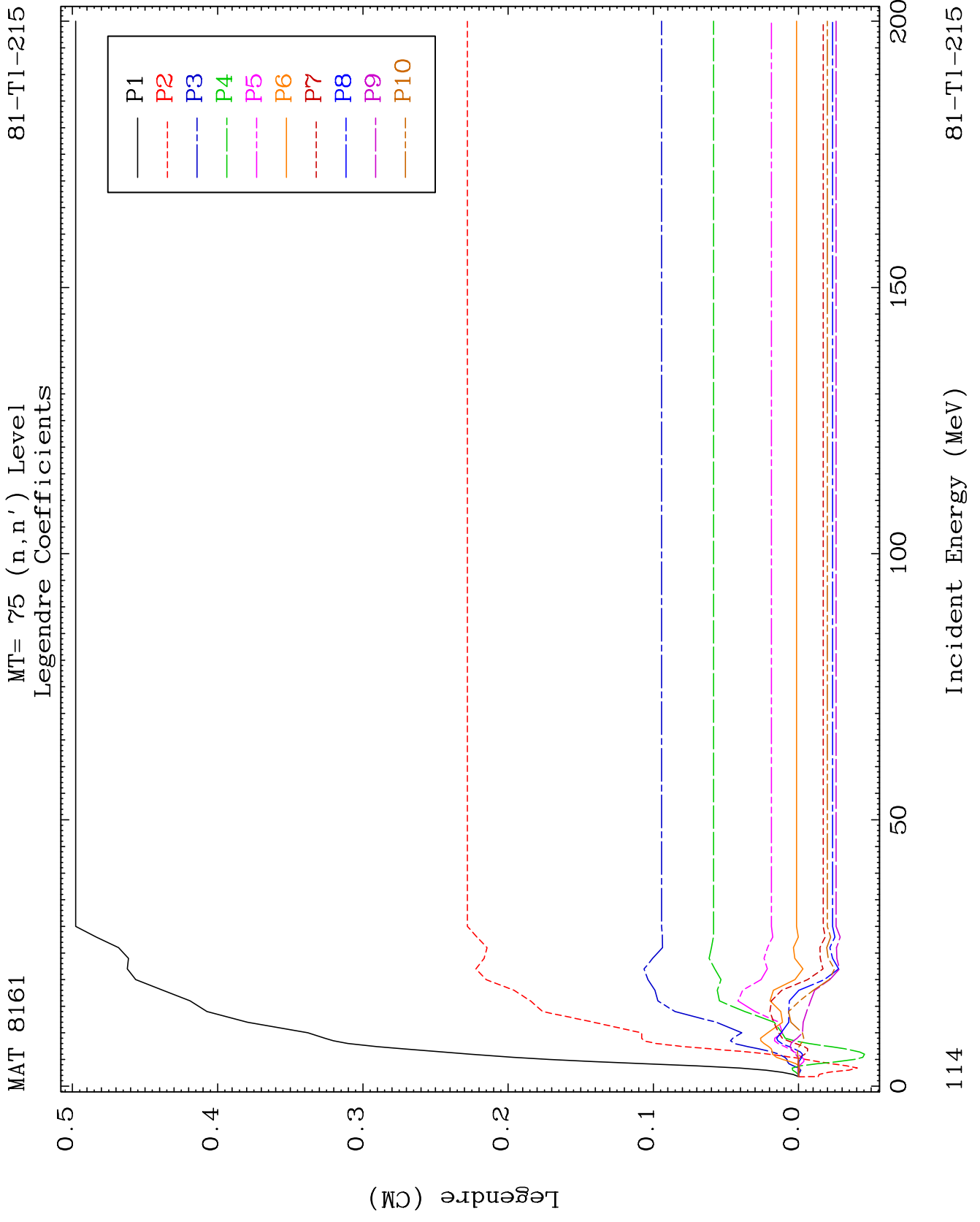


112

Incident Energy (MeV)

81-Tl-215

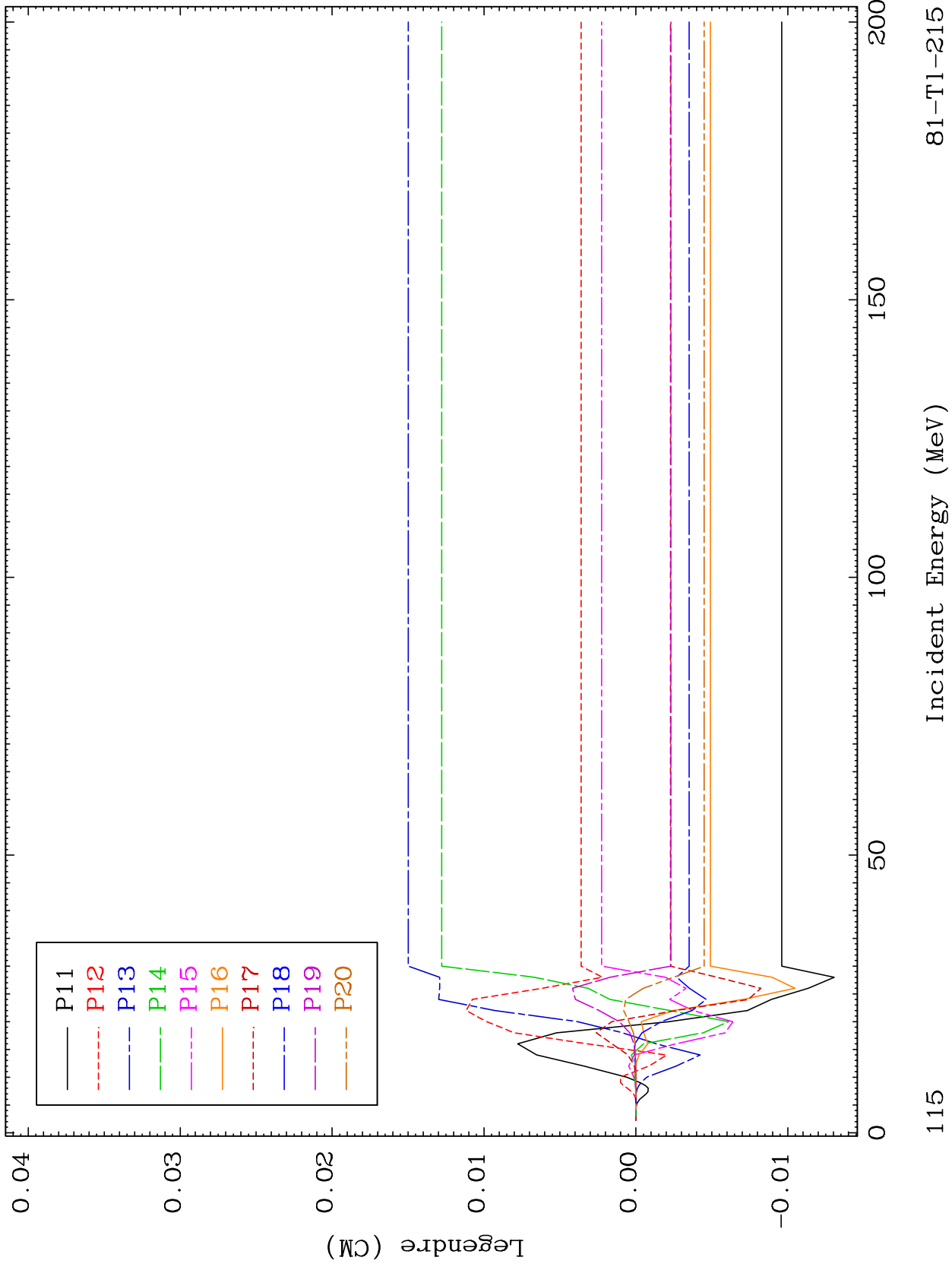




MAT 8161

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

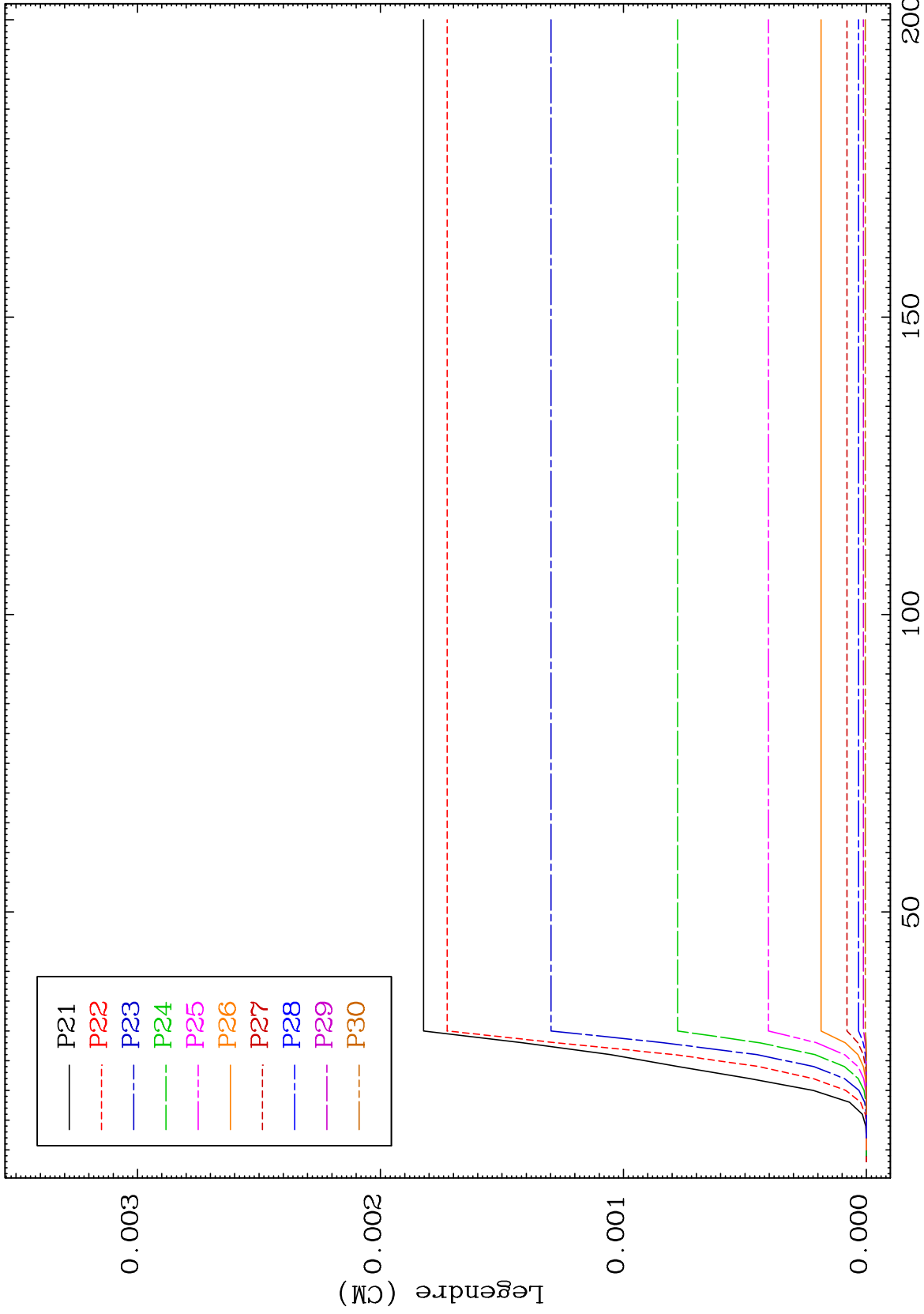
81-T1-215



81-T1-215

Incident Energy (MeV)

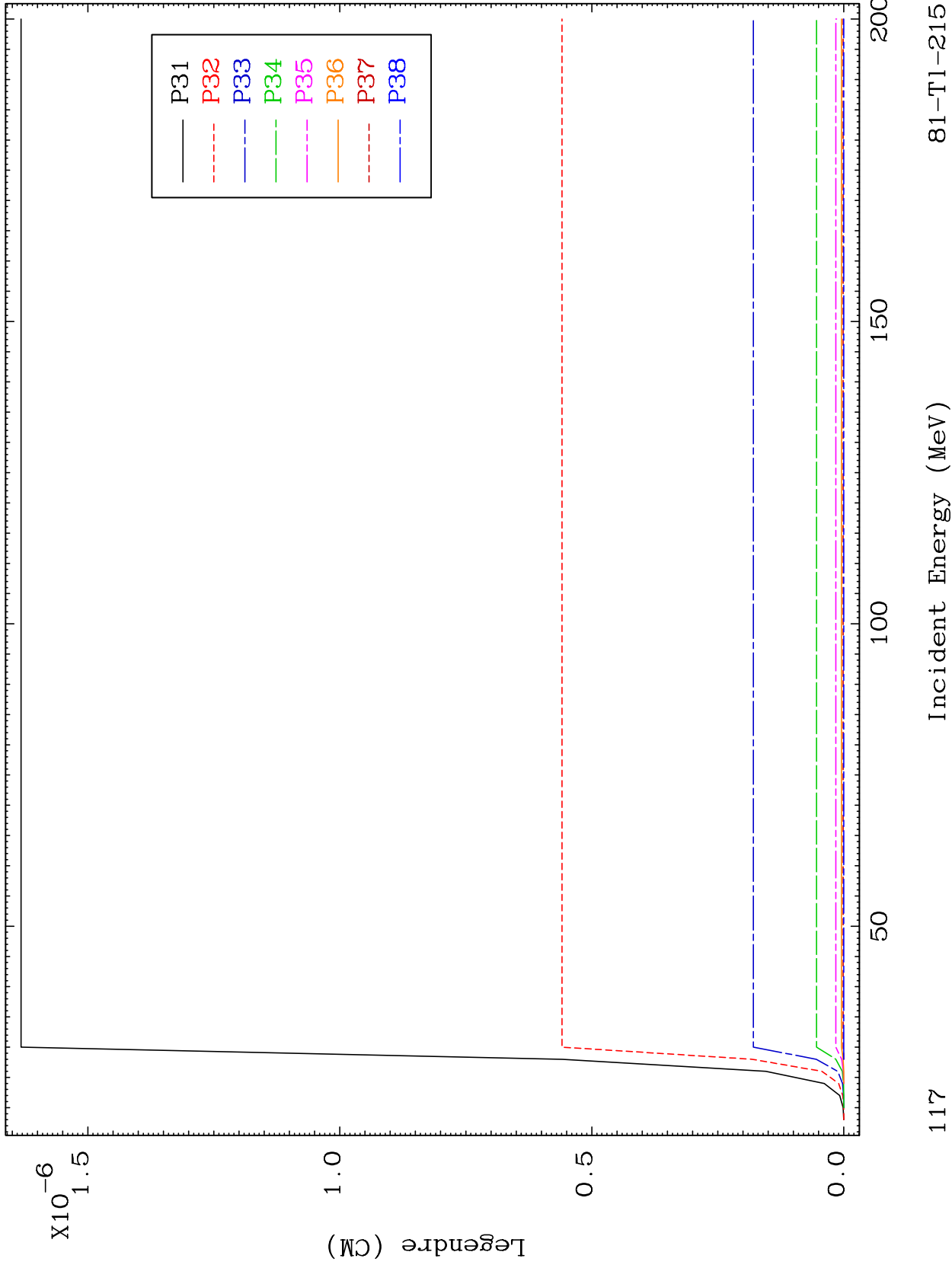
115



MAT 8161

81-T1-215

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



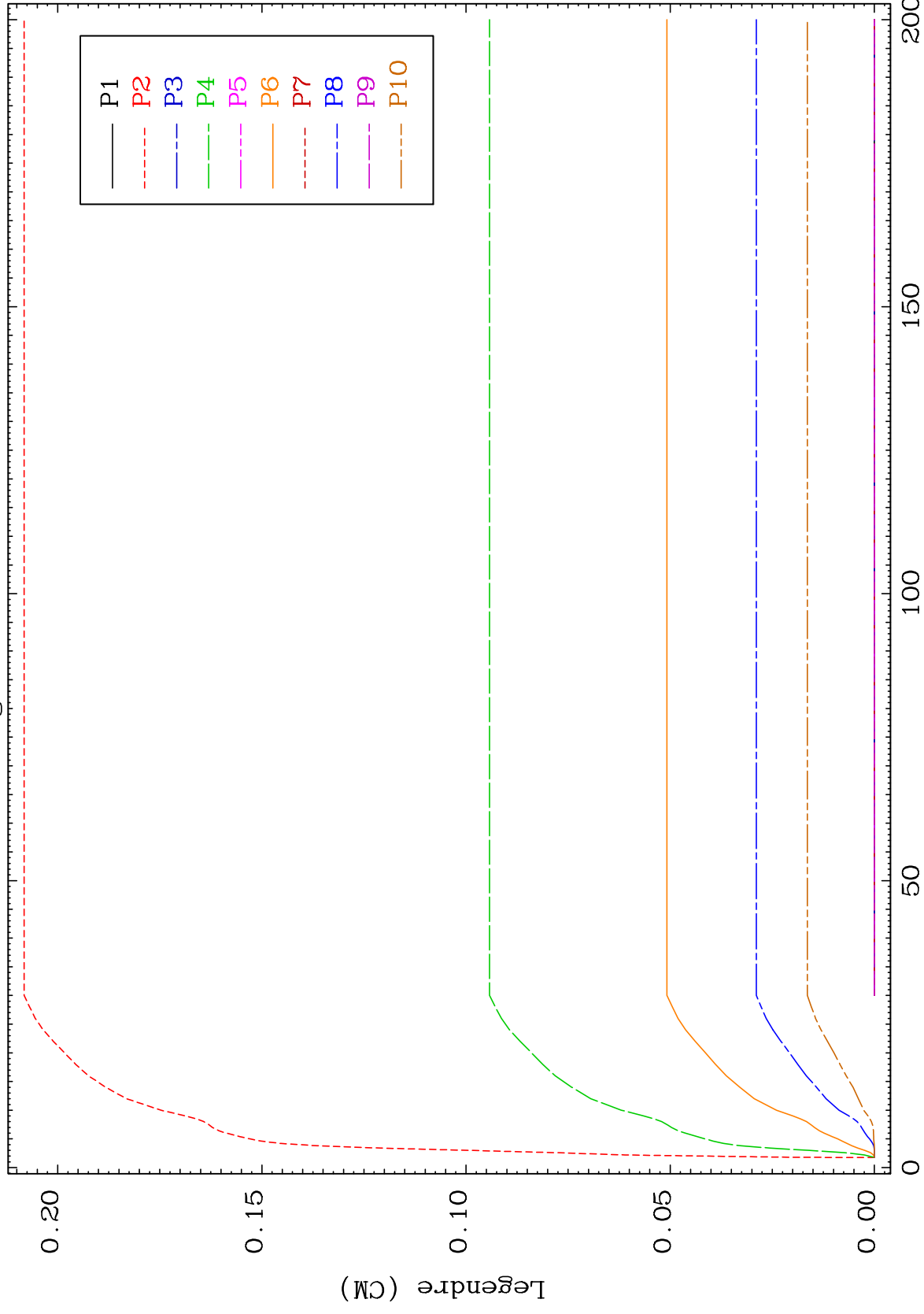
117

81-T1-215

MAT 8161

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

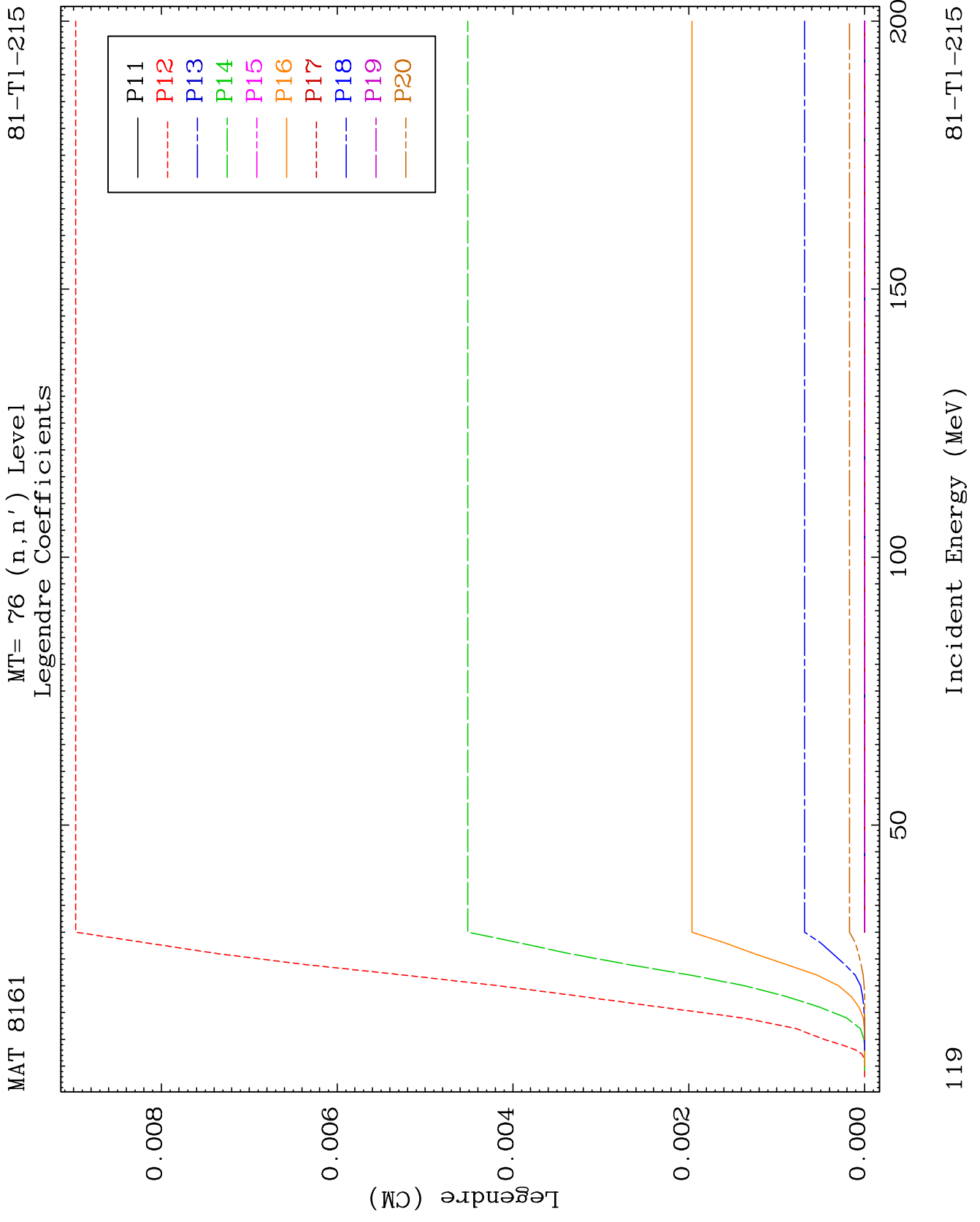
81-T1-215



118

Incident Energy (MeV)

81-T1-215



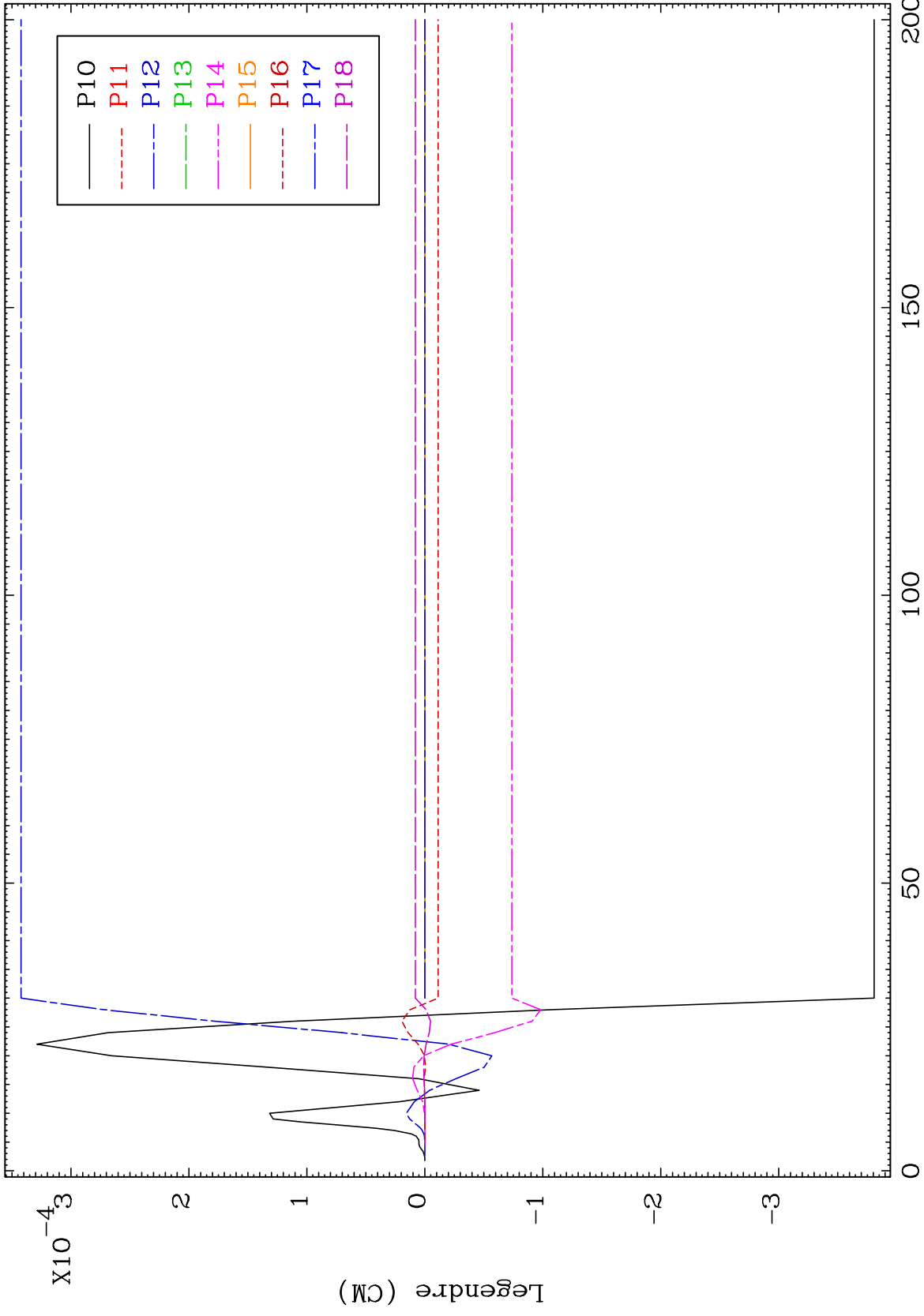




MAT 8161

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

81-T1-215



122

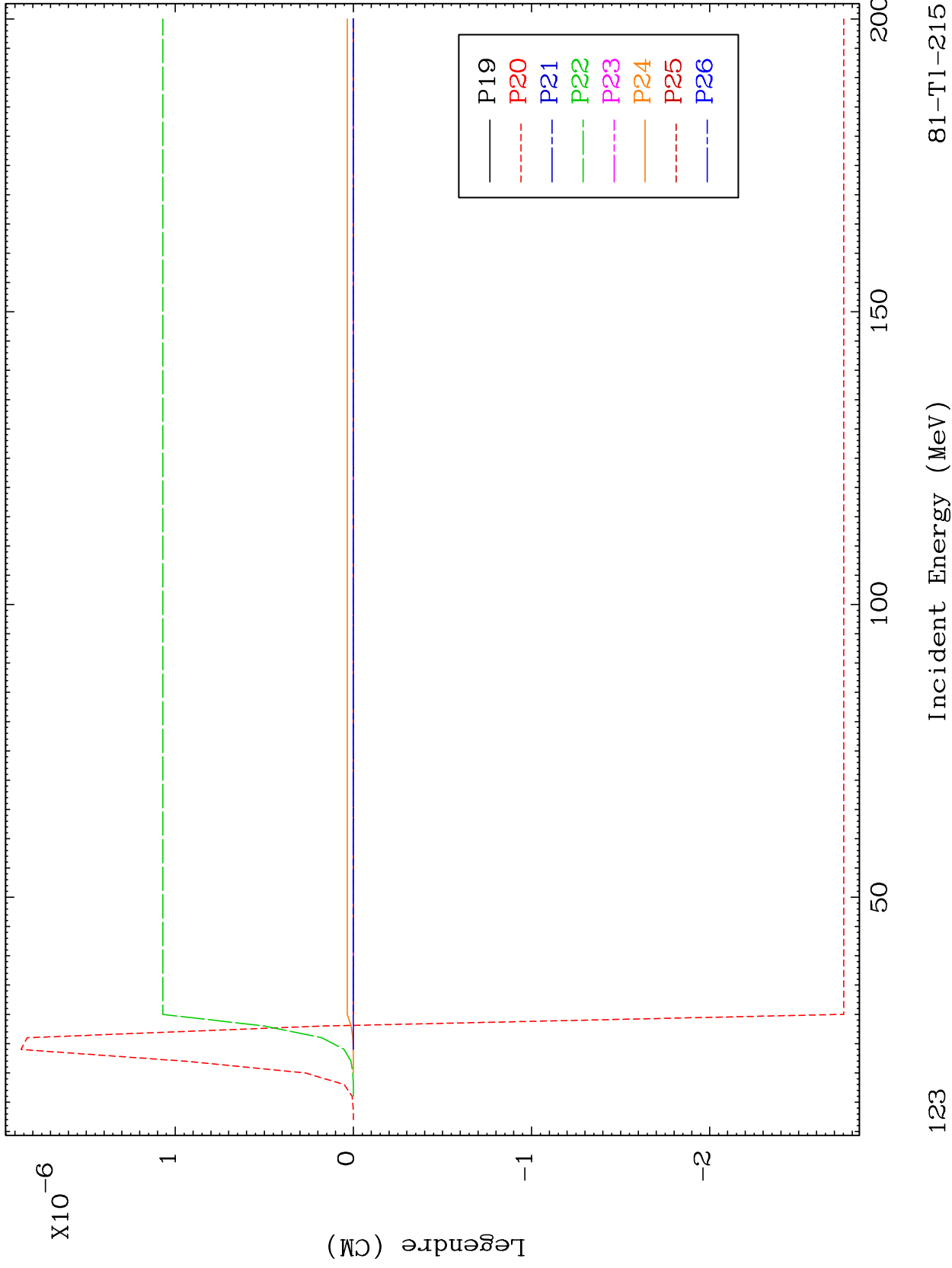
Incident Energy (MeV)

81-T1-215

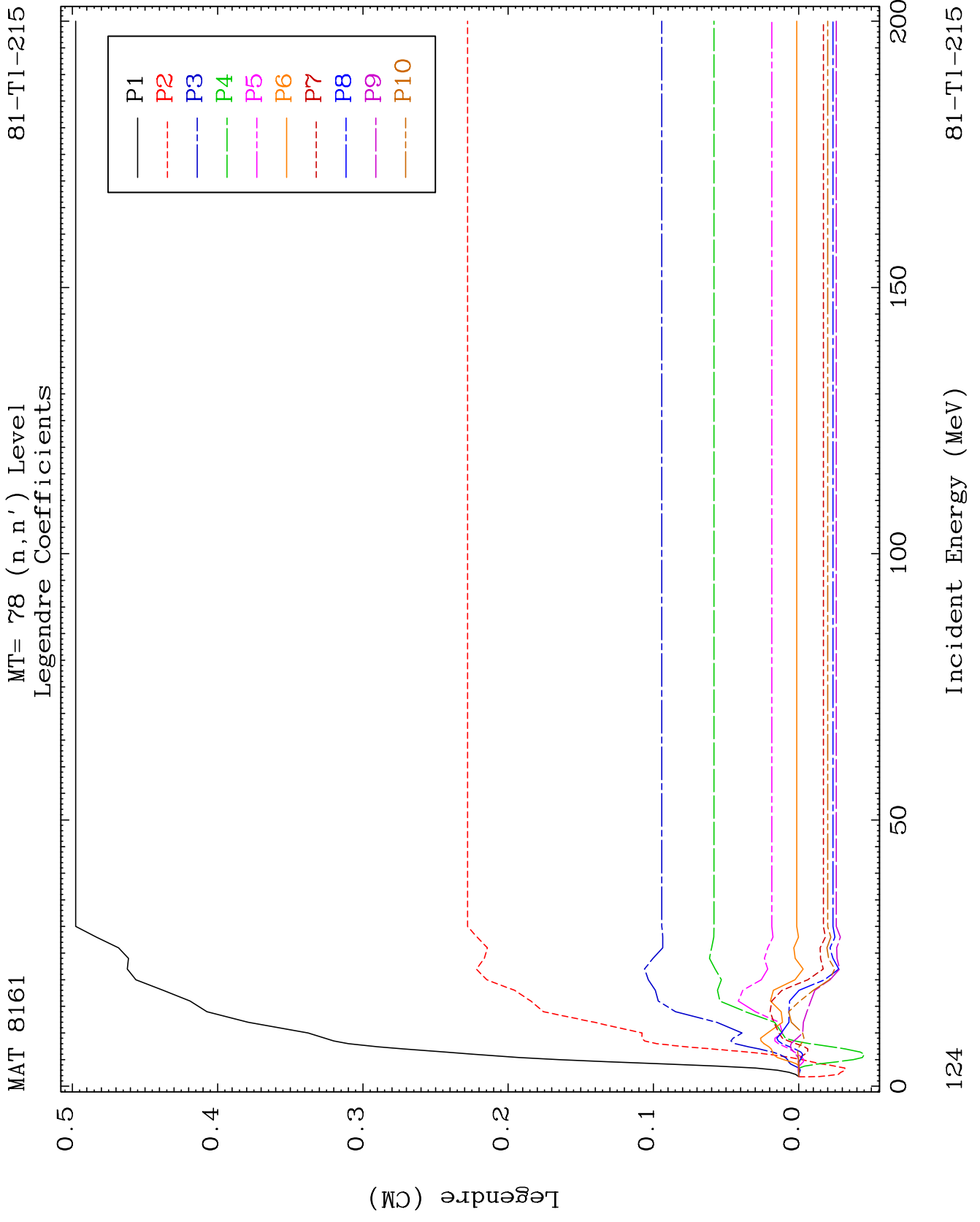
MAT 8161

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

81-T1-215



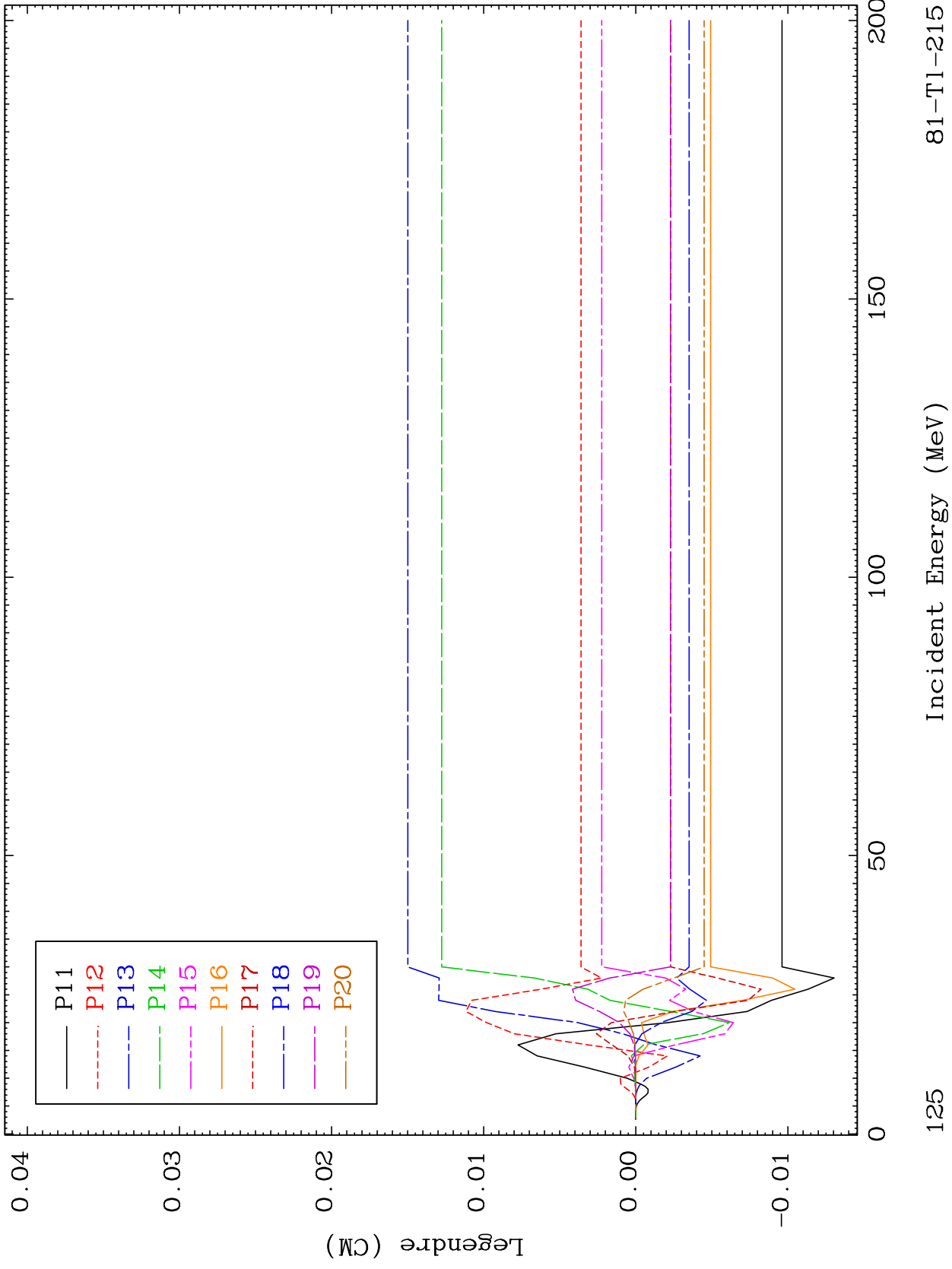
123



MAT 8161

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

81-Tl-215



81-Tl-215

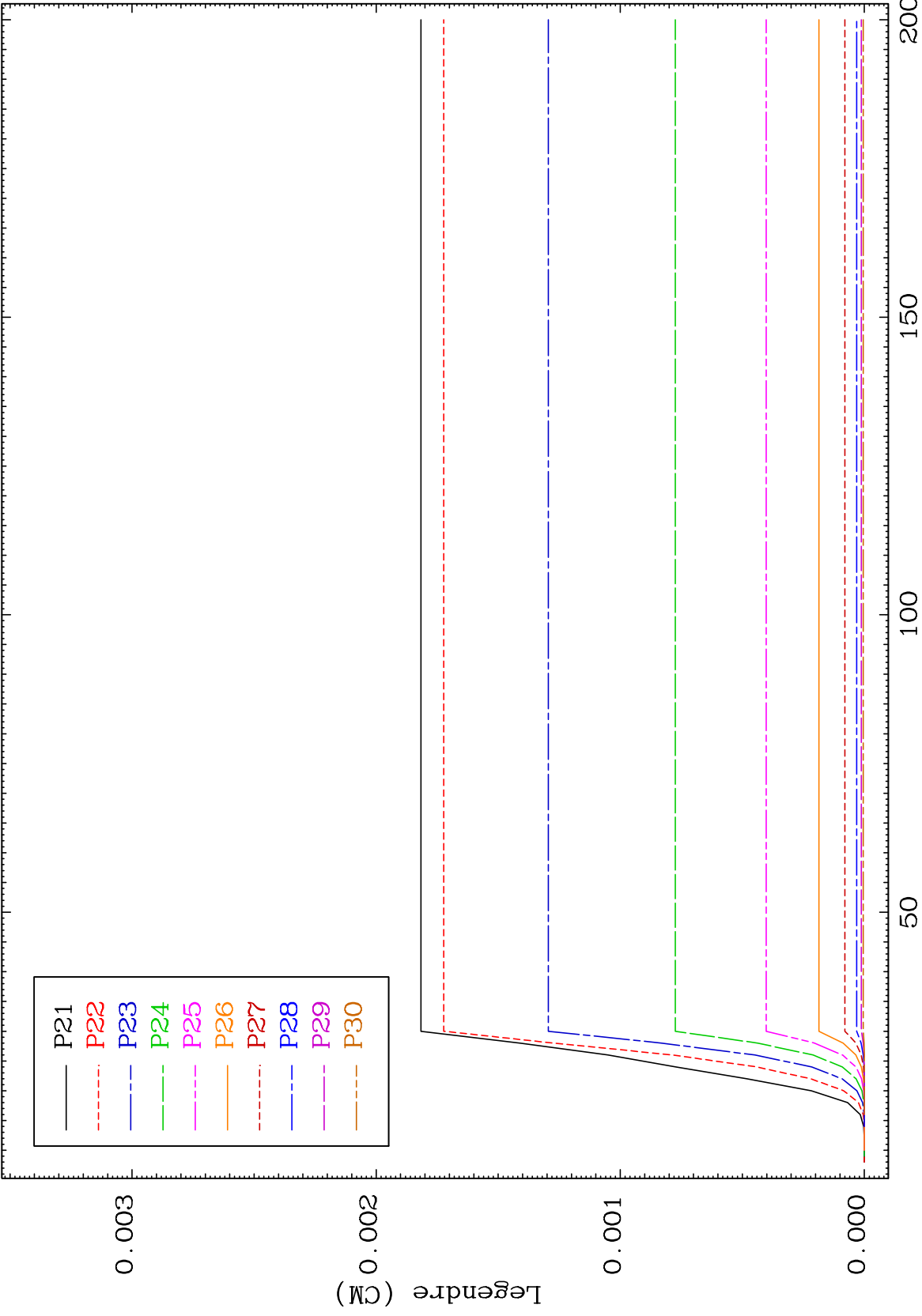
Incident Energy (MeV)

125

MAT 8161

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

81-Tl-215



126

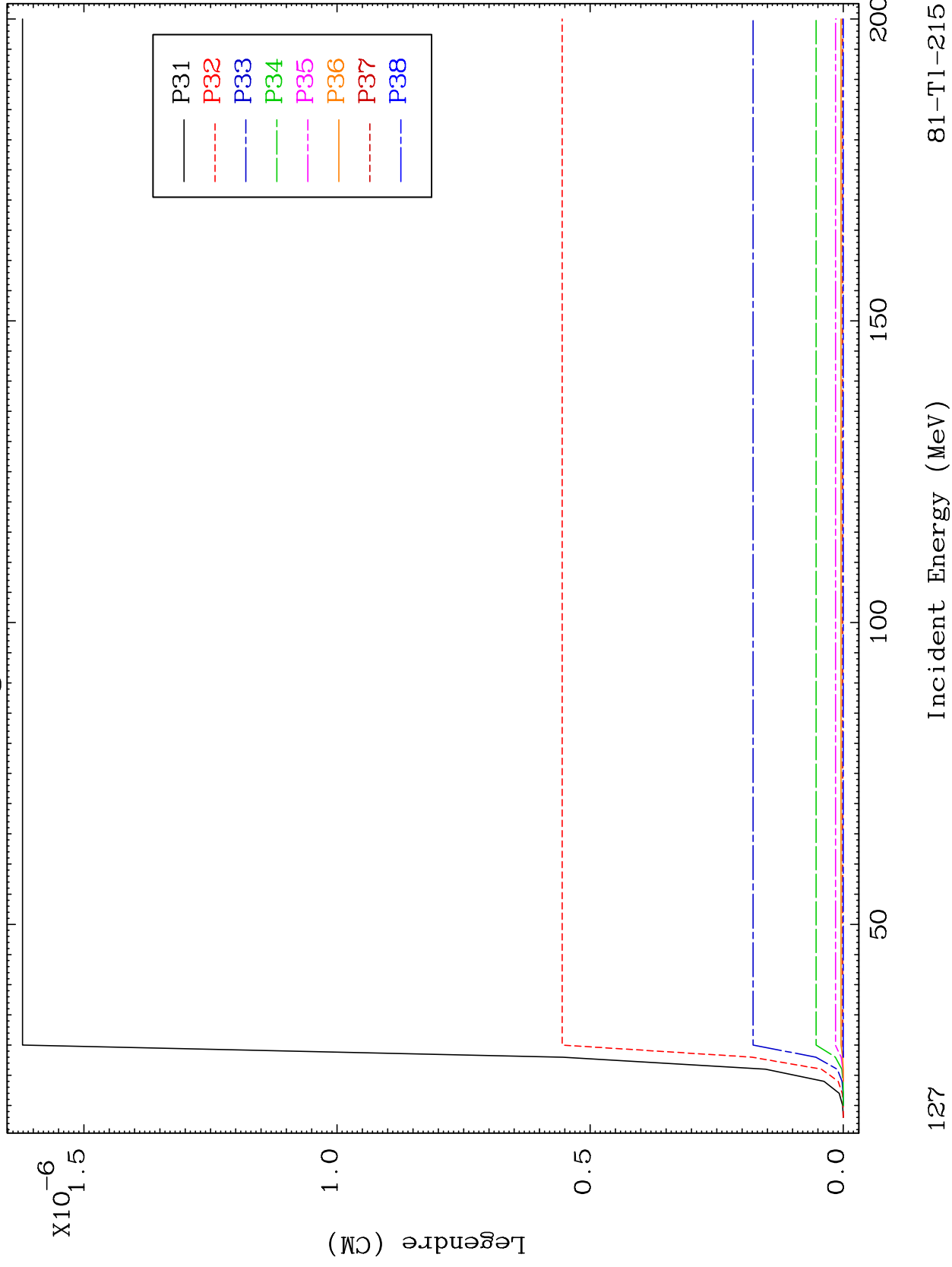
Incident Energy (MeV)

81-Tl-215

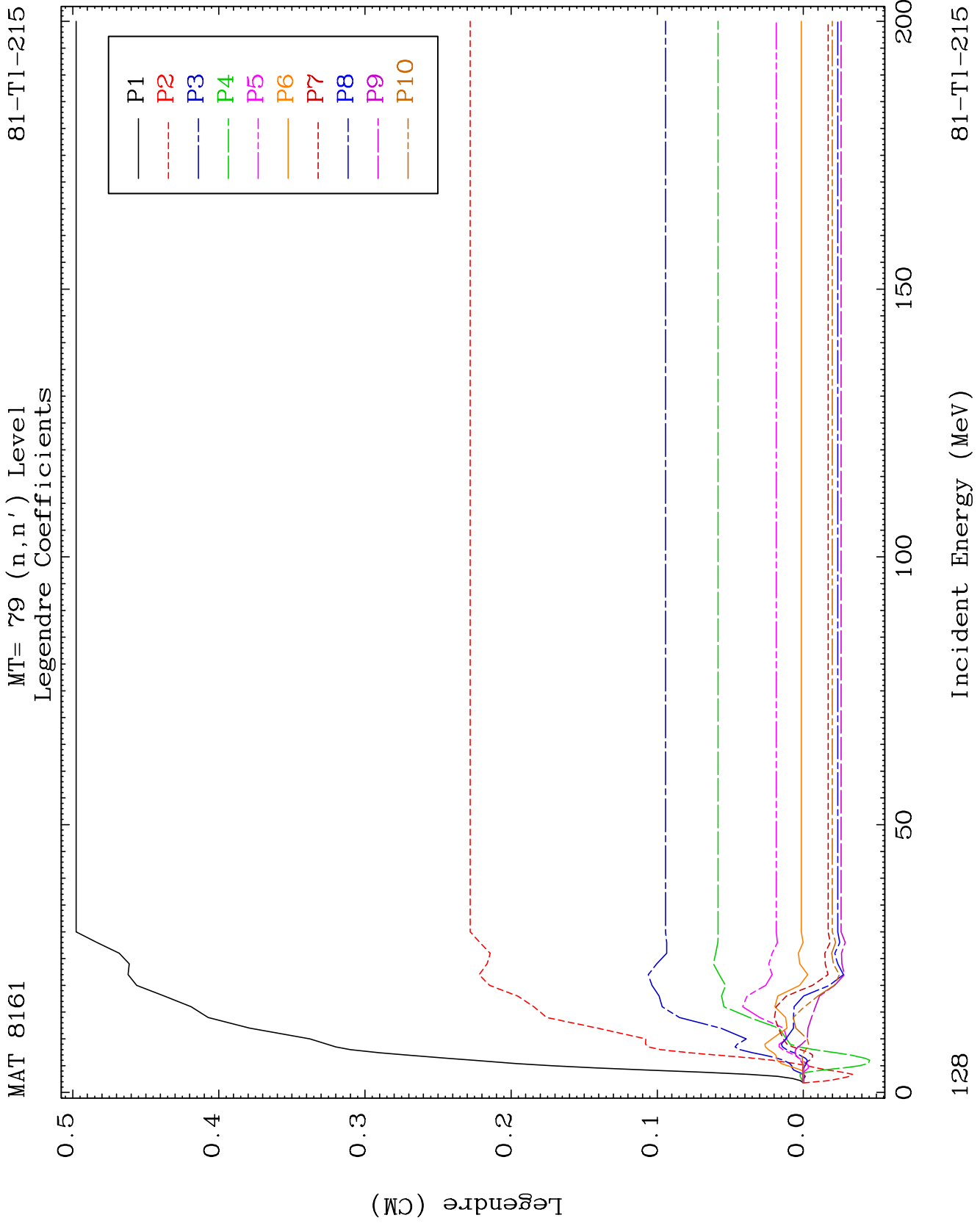
MAT 8161

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

81-T1-215



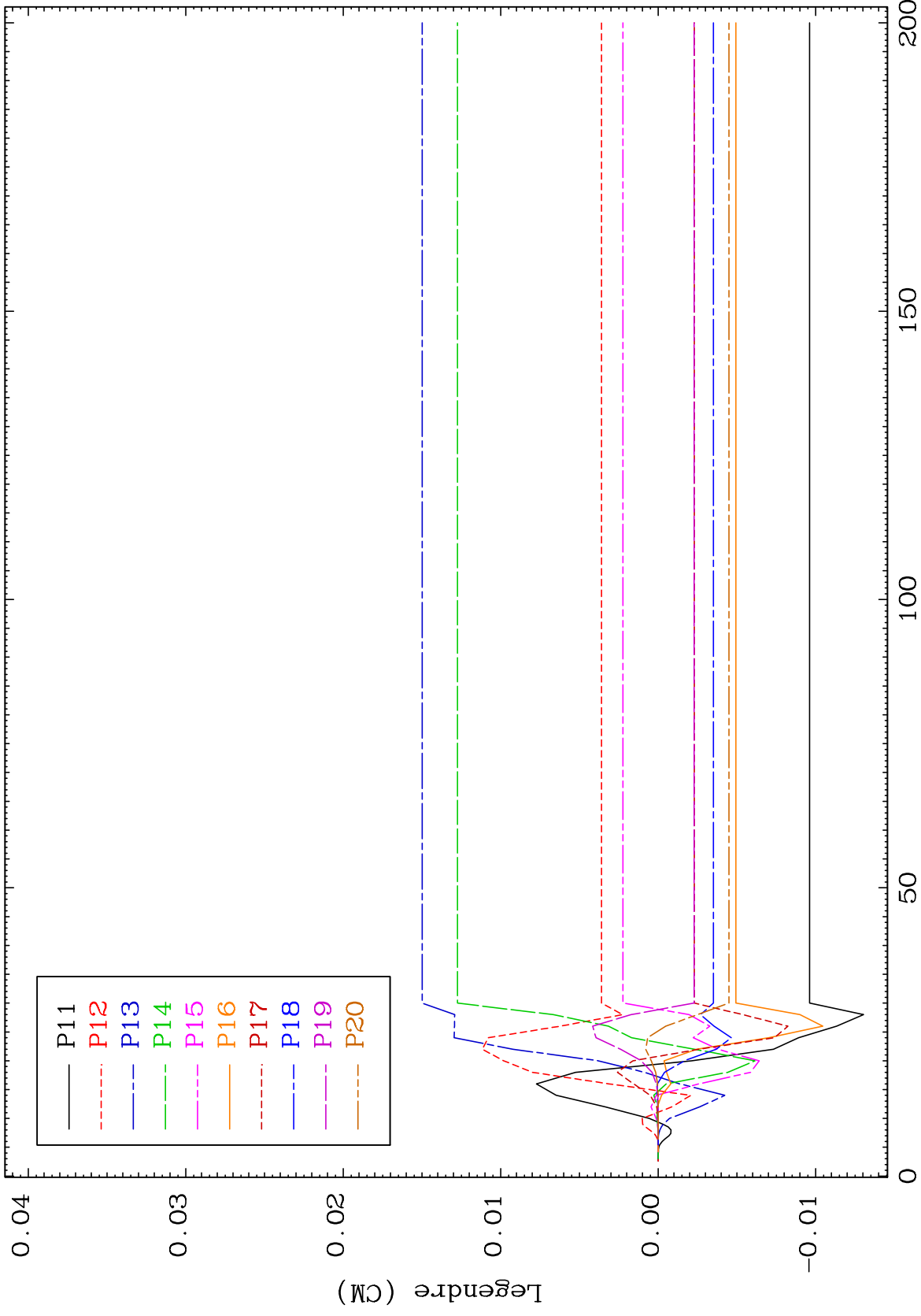
127



MAT 8161

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

81-T1-215



129

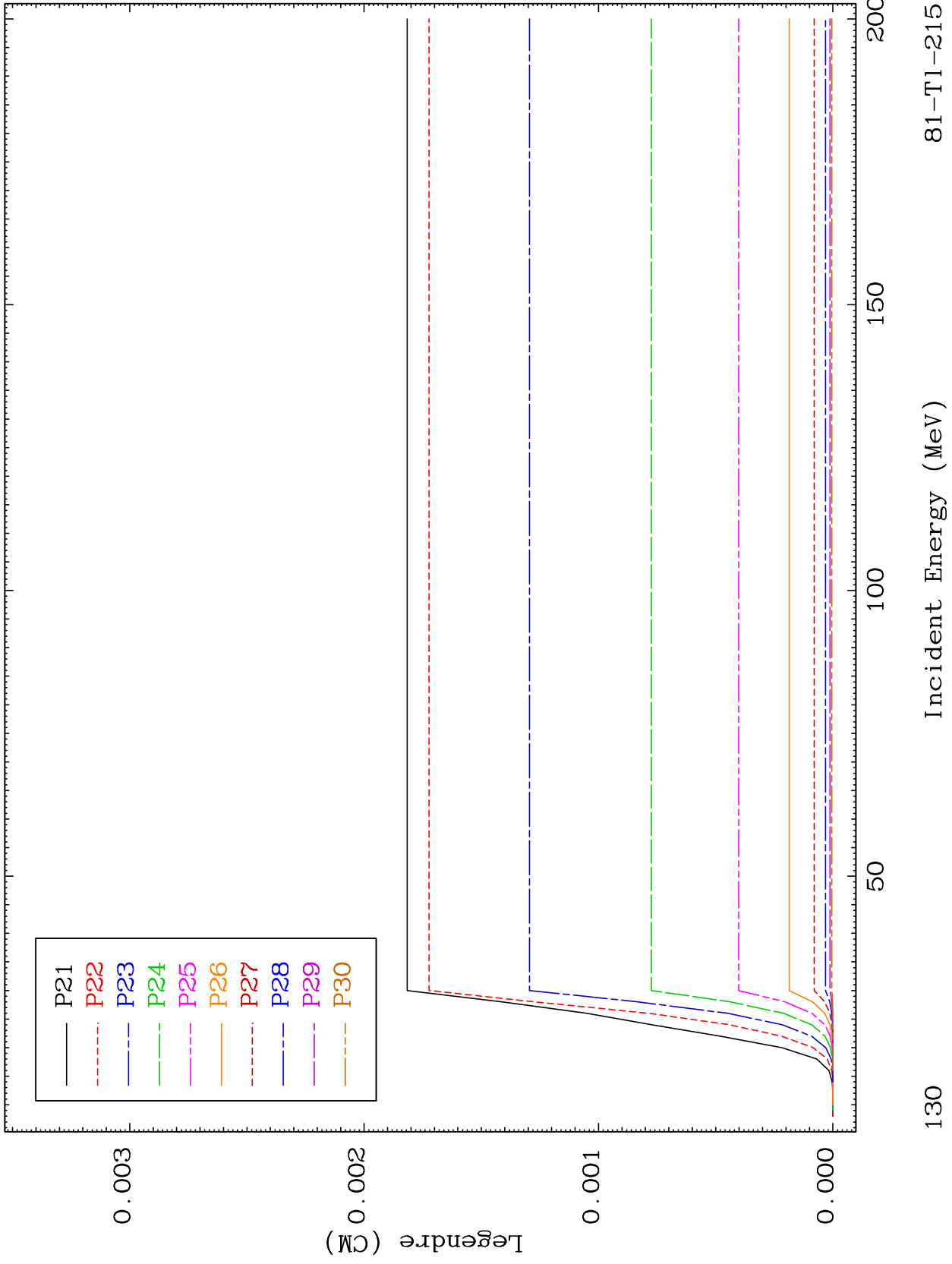
Incident Energy (MeV)

81-T1-215

MAT 8161

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

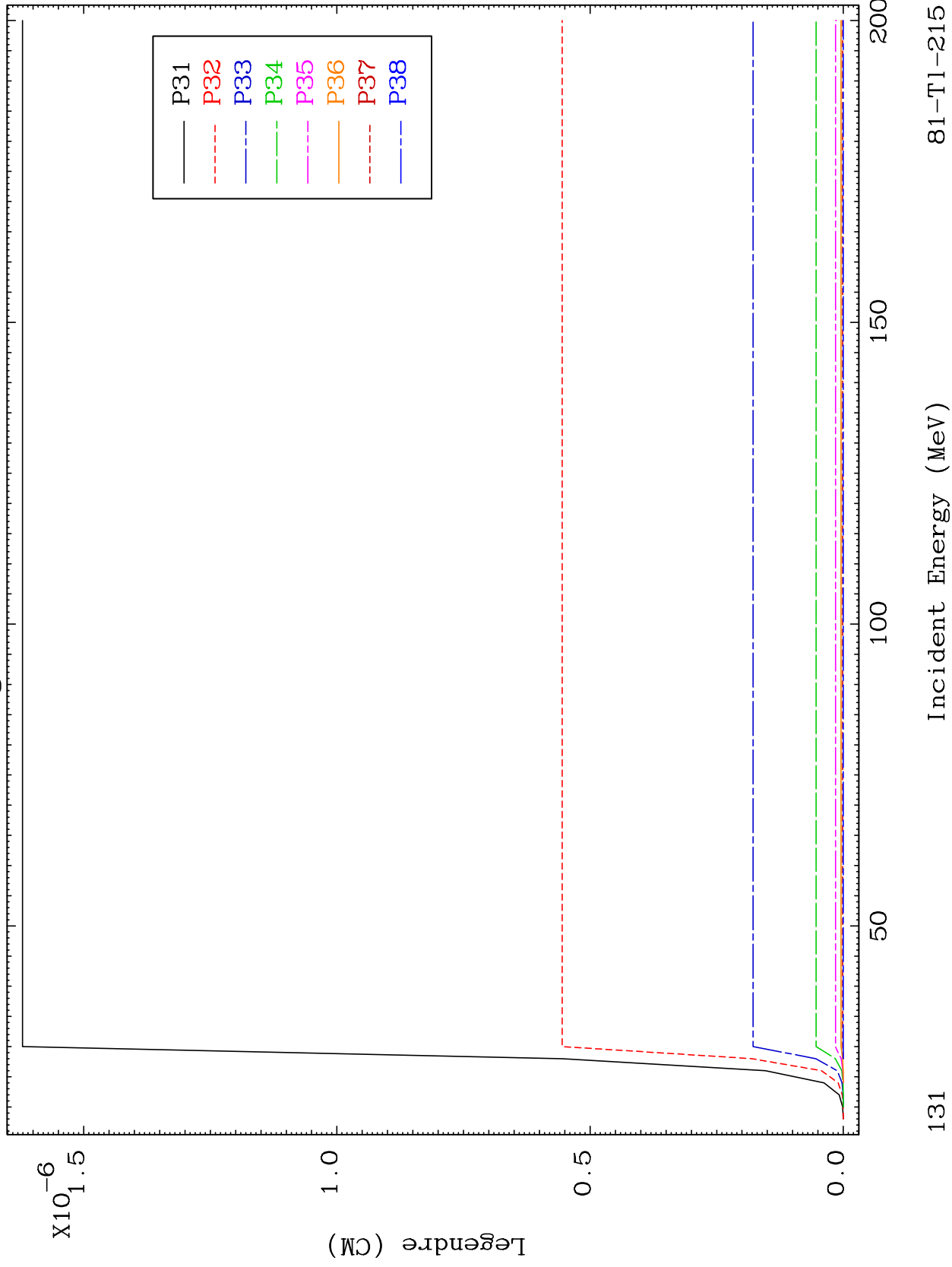
81-Tl-215



MAT 8161

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

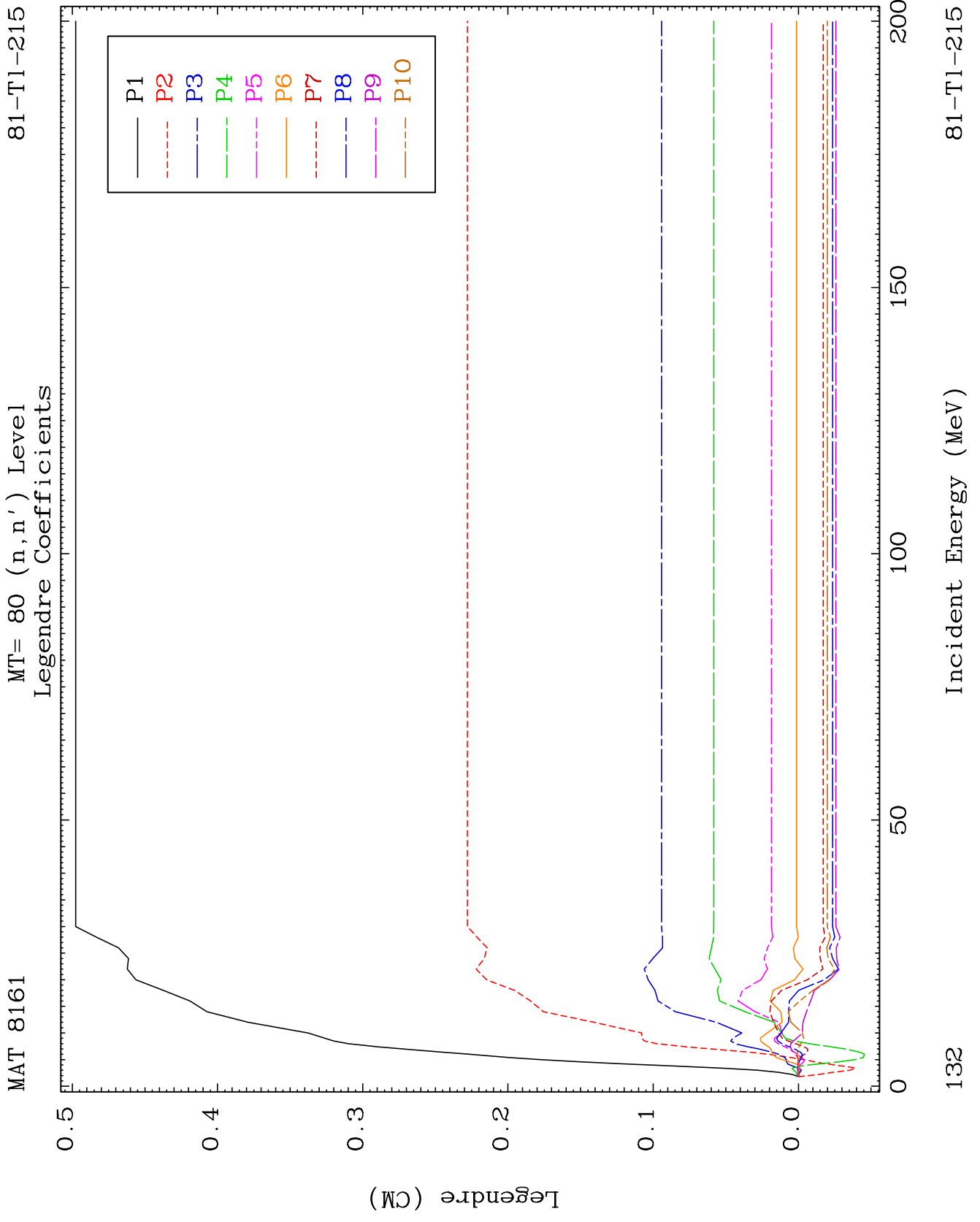
81-T1-215



131

Incident Energy (MeV)

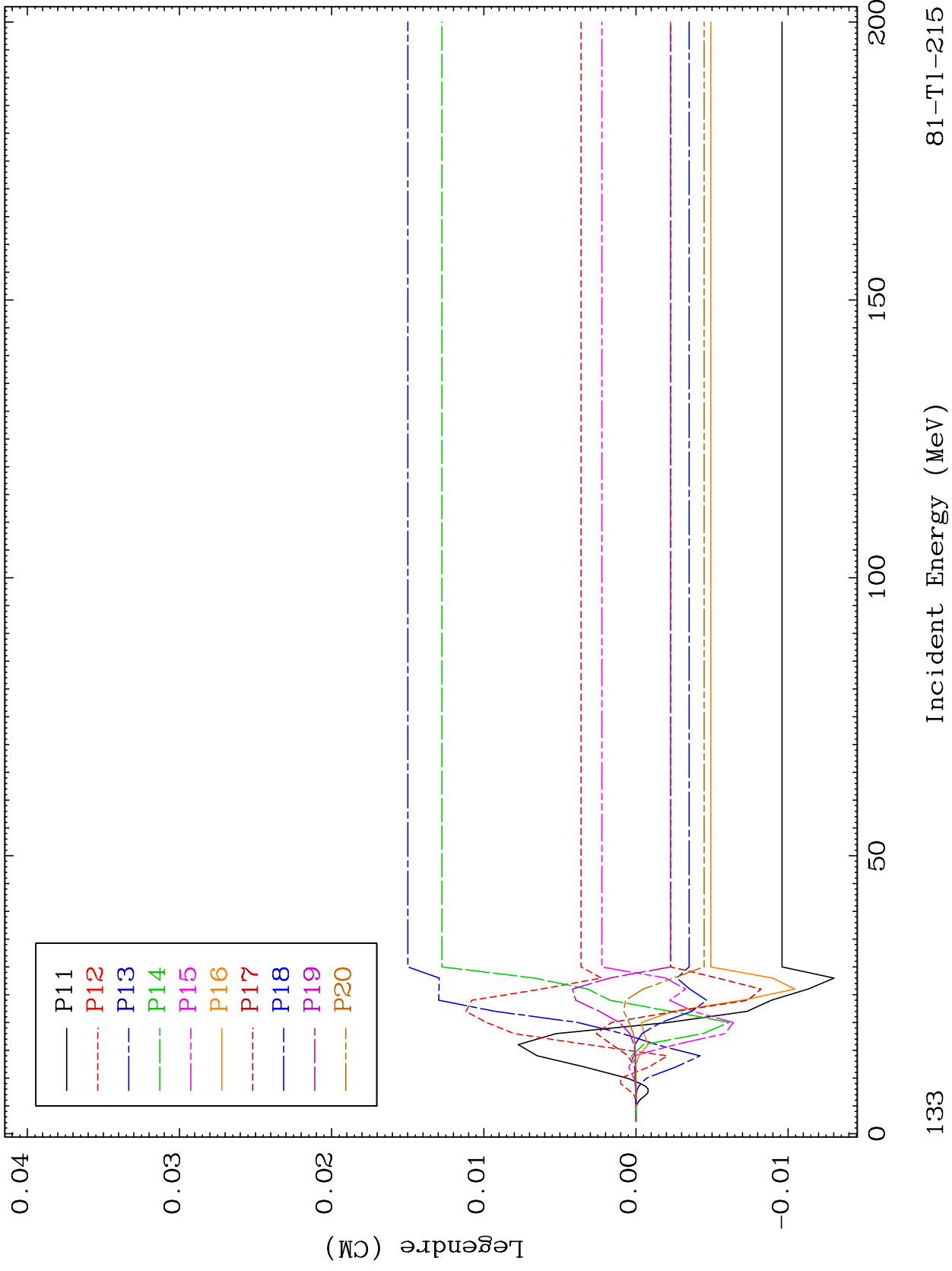
81-T1-215



MAT 8161

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

81-T1-215

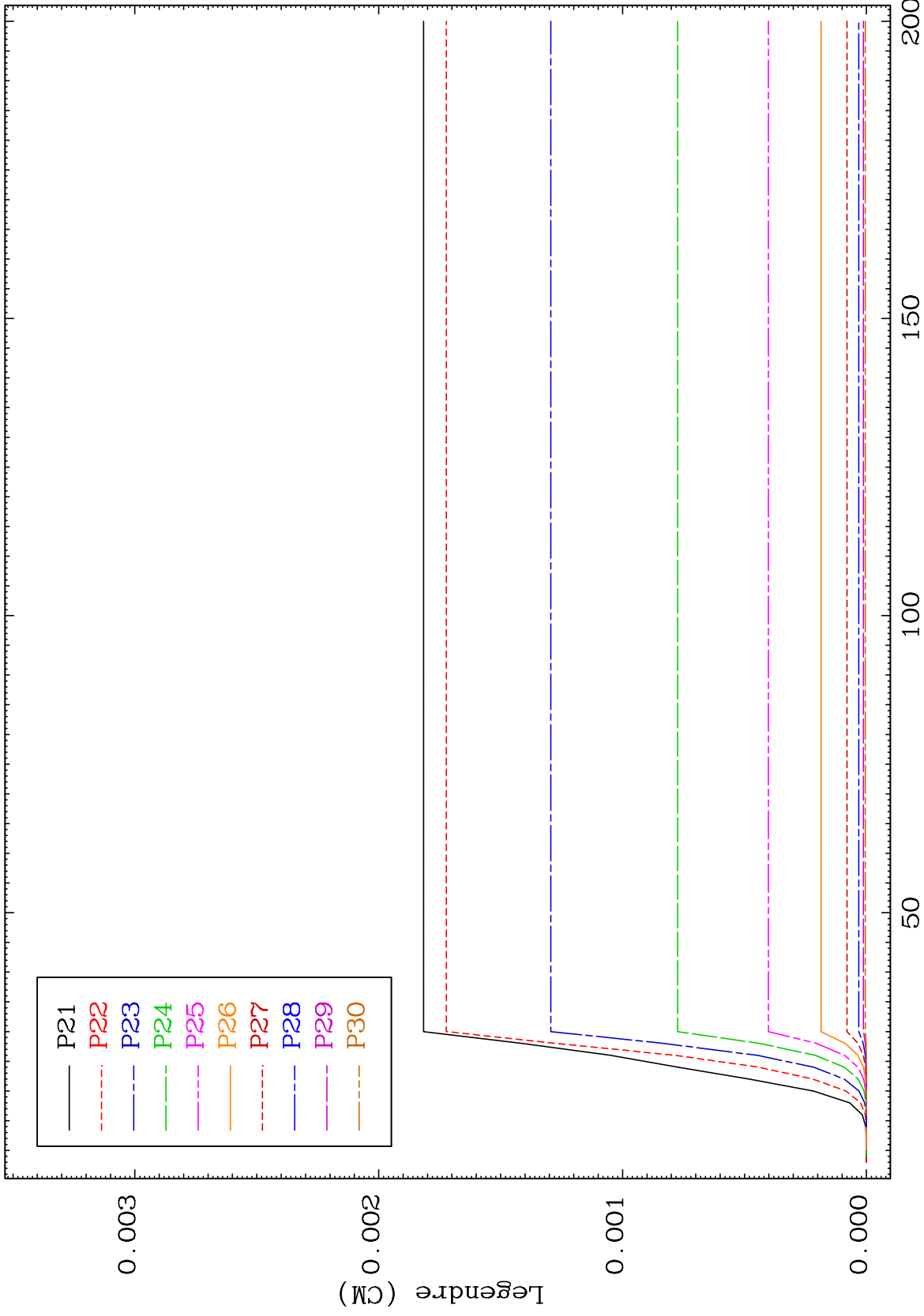


133

MAT 8161

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

81-Tl-215



134

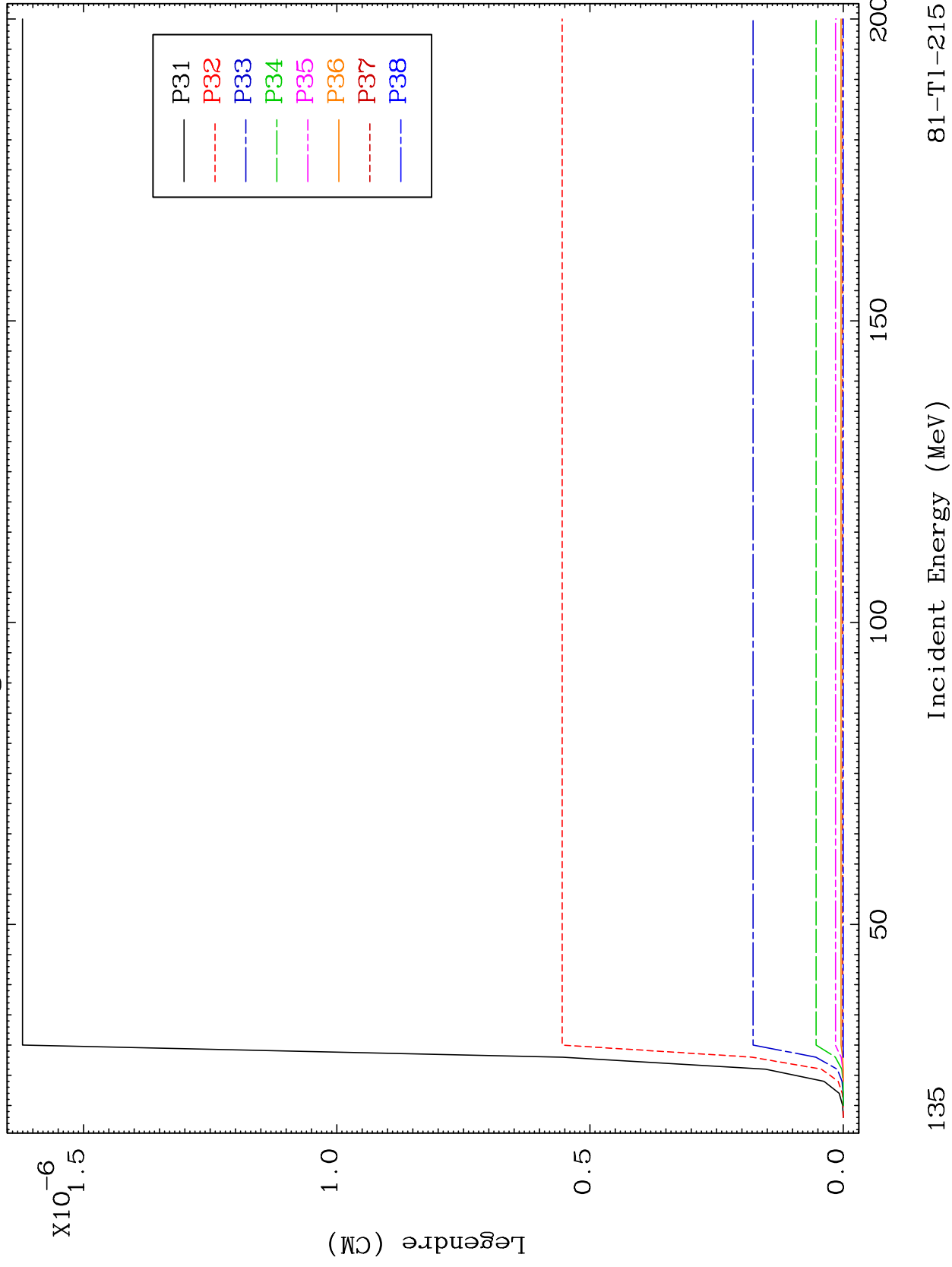
Incident Energy (MeV)

81-Tl-215

MAT 8161

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

81-T1-215



MAT 8161

Fission

81-Tl-215

Radionuclide Production Cross Section

