

Program EVALPLOT  
(Version 2018-1)

by

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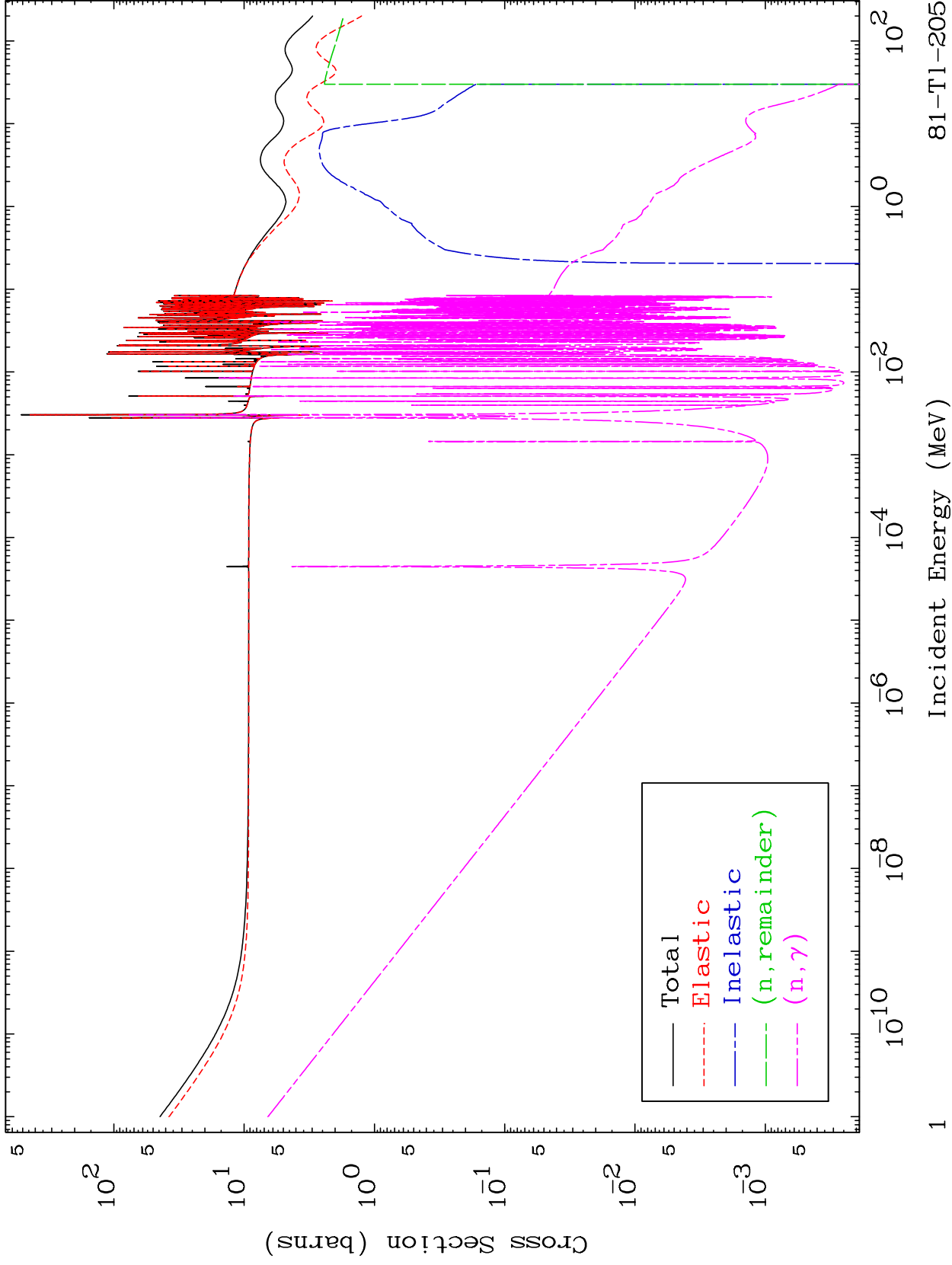
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Press Mouse Button to Start

MAT 8131

Major  
293 Kelvin Cross Sections

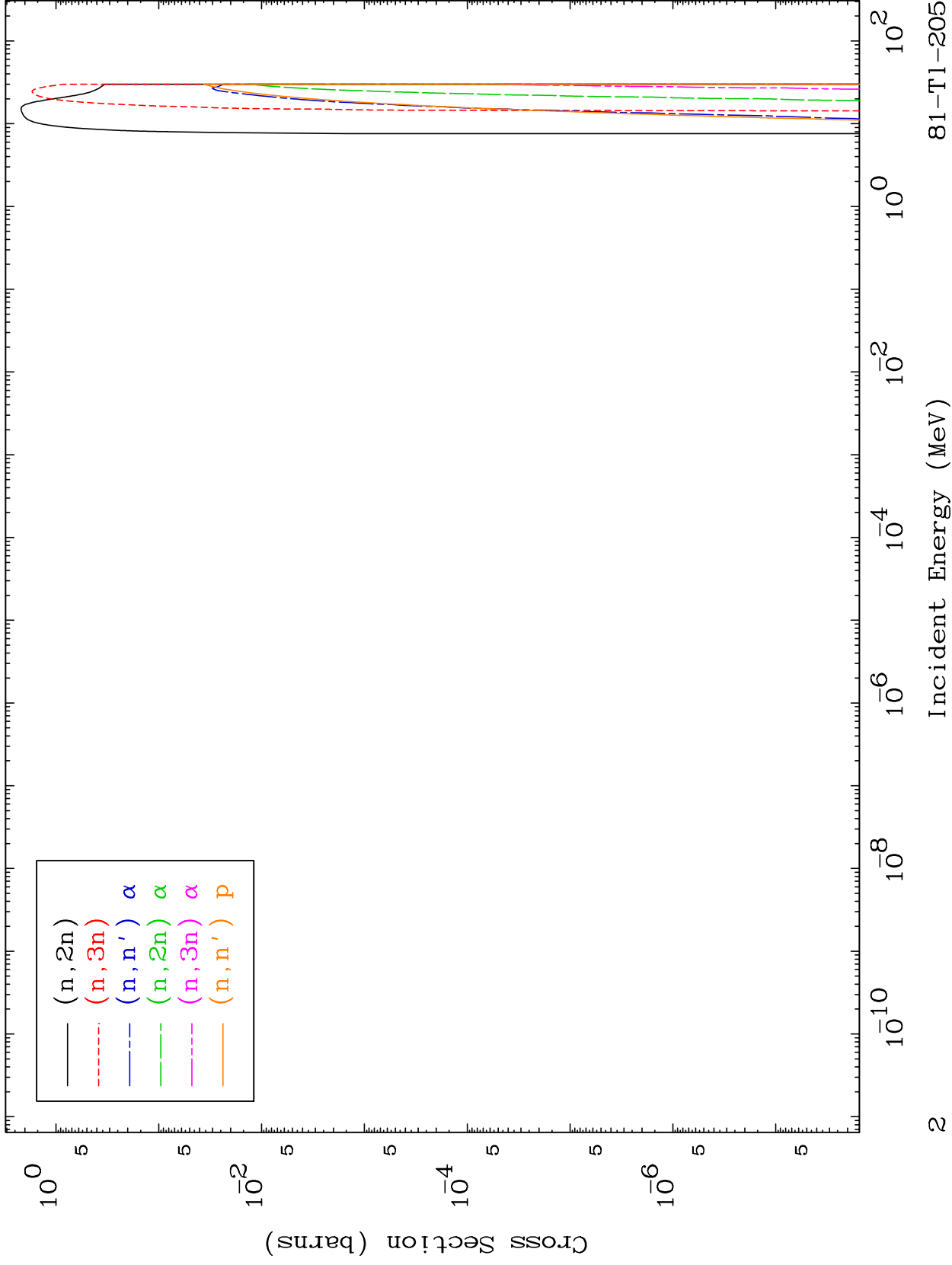
81-Tl-205

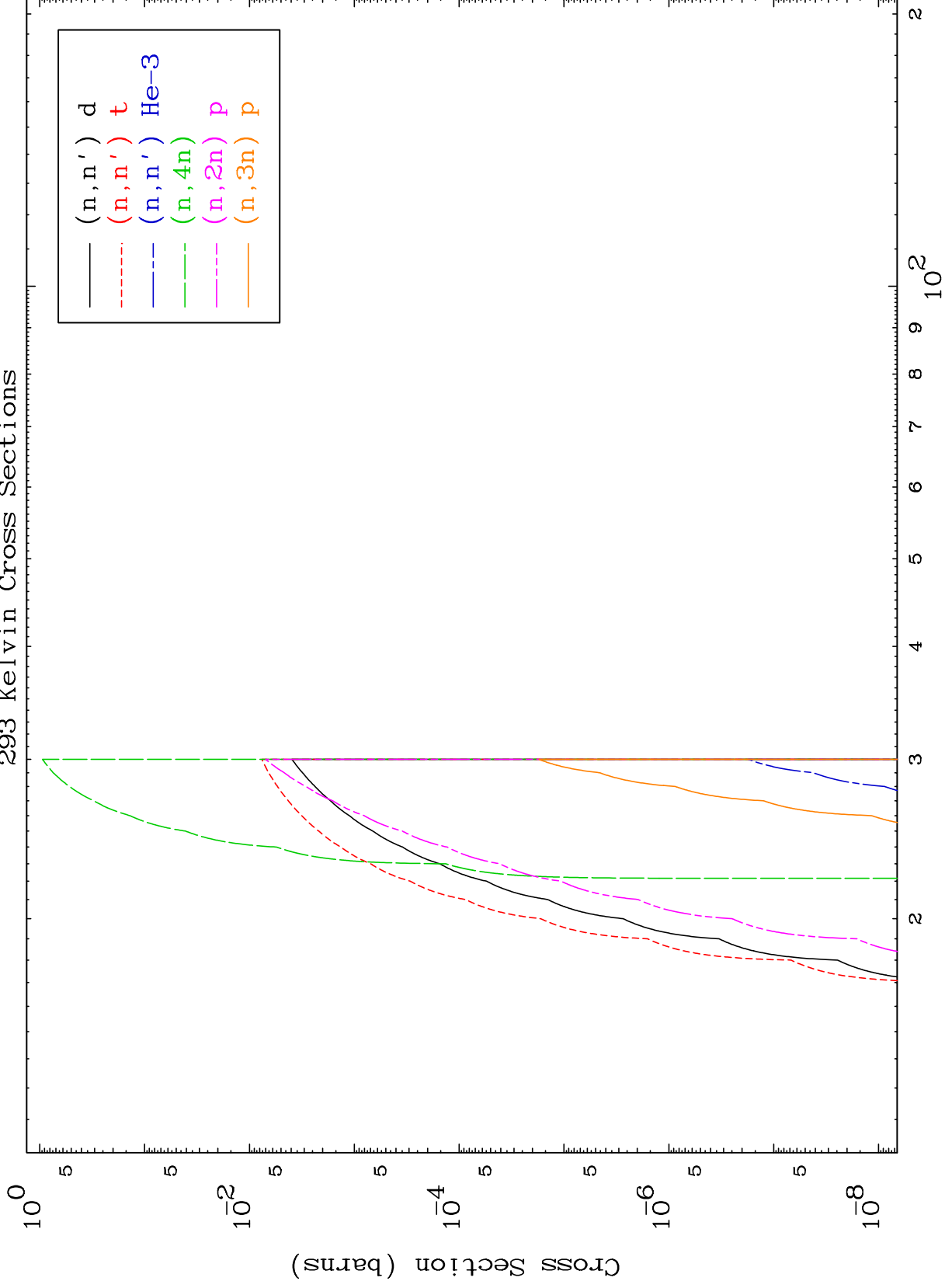


MAT 8131

Neutron Production  
293 Kelvin Cross Sections

81-Tl-205

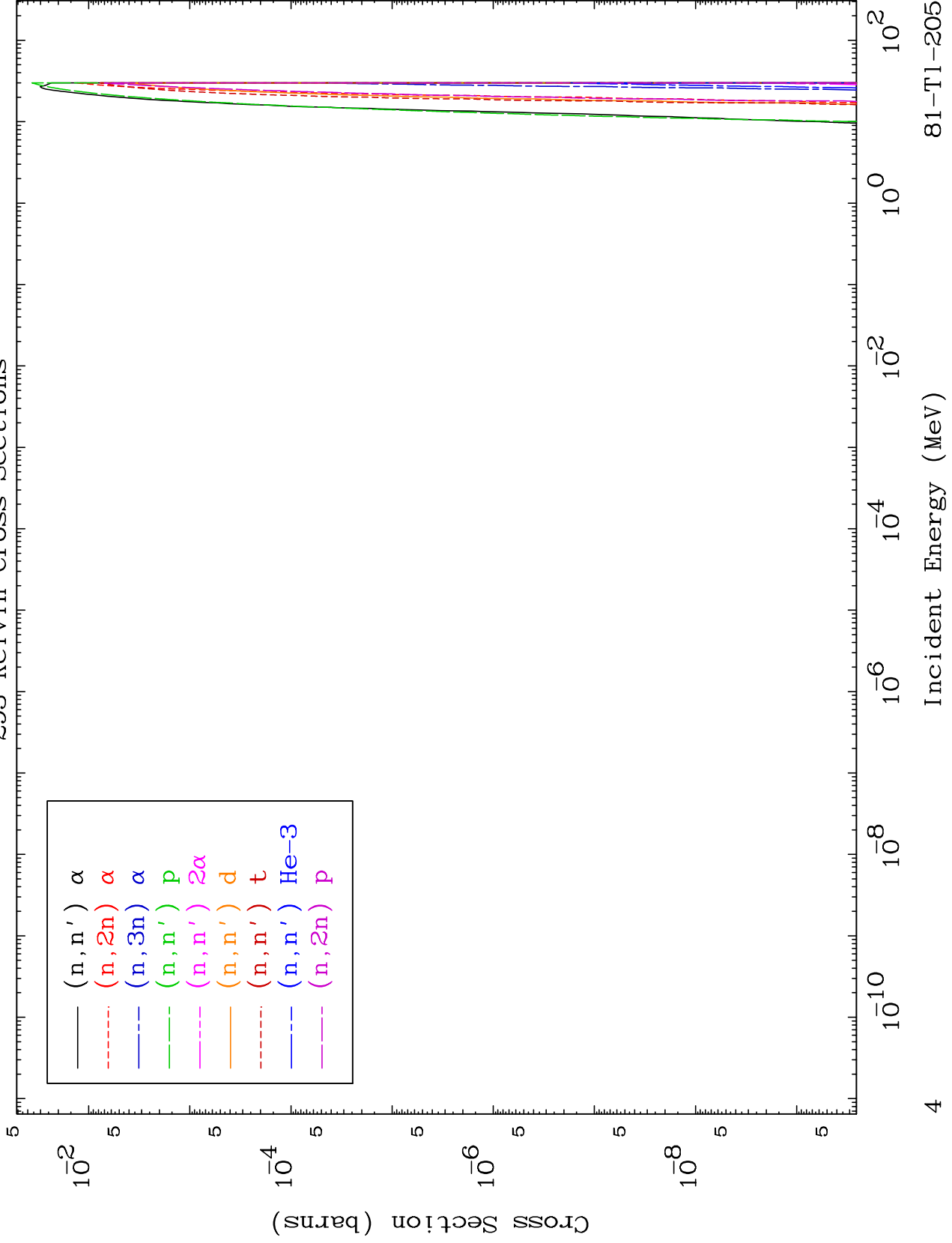




MAT 8131

Charged Particle  
293 Kelvin Cross Sections

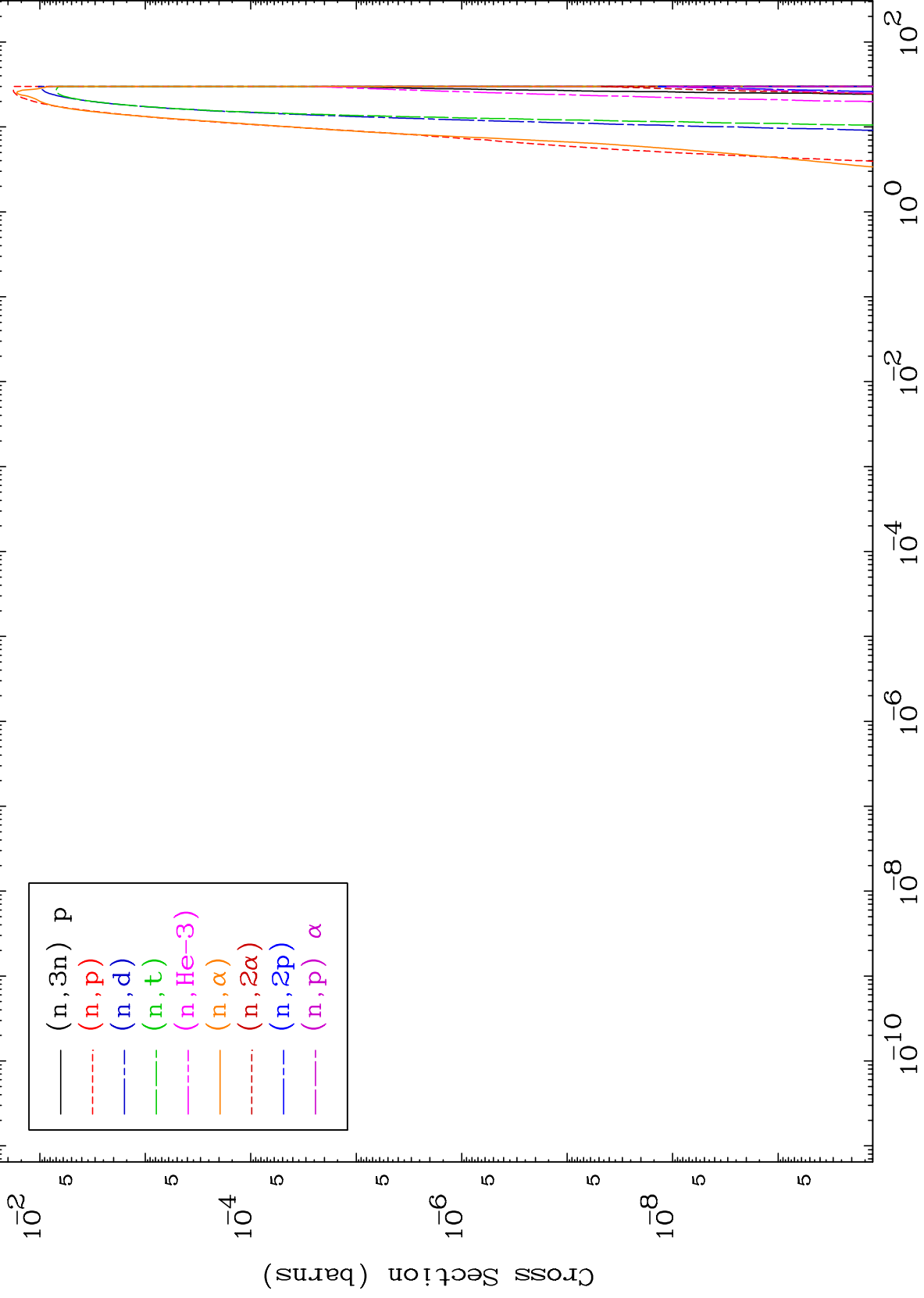
81-Tl-205



MAT 8131

Charged Particle  
293 Kelvin Cross Sections

81-Tl-205



5

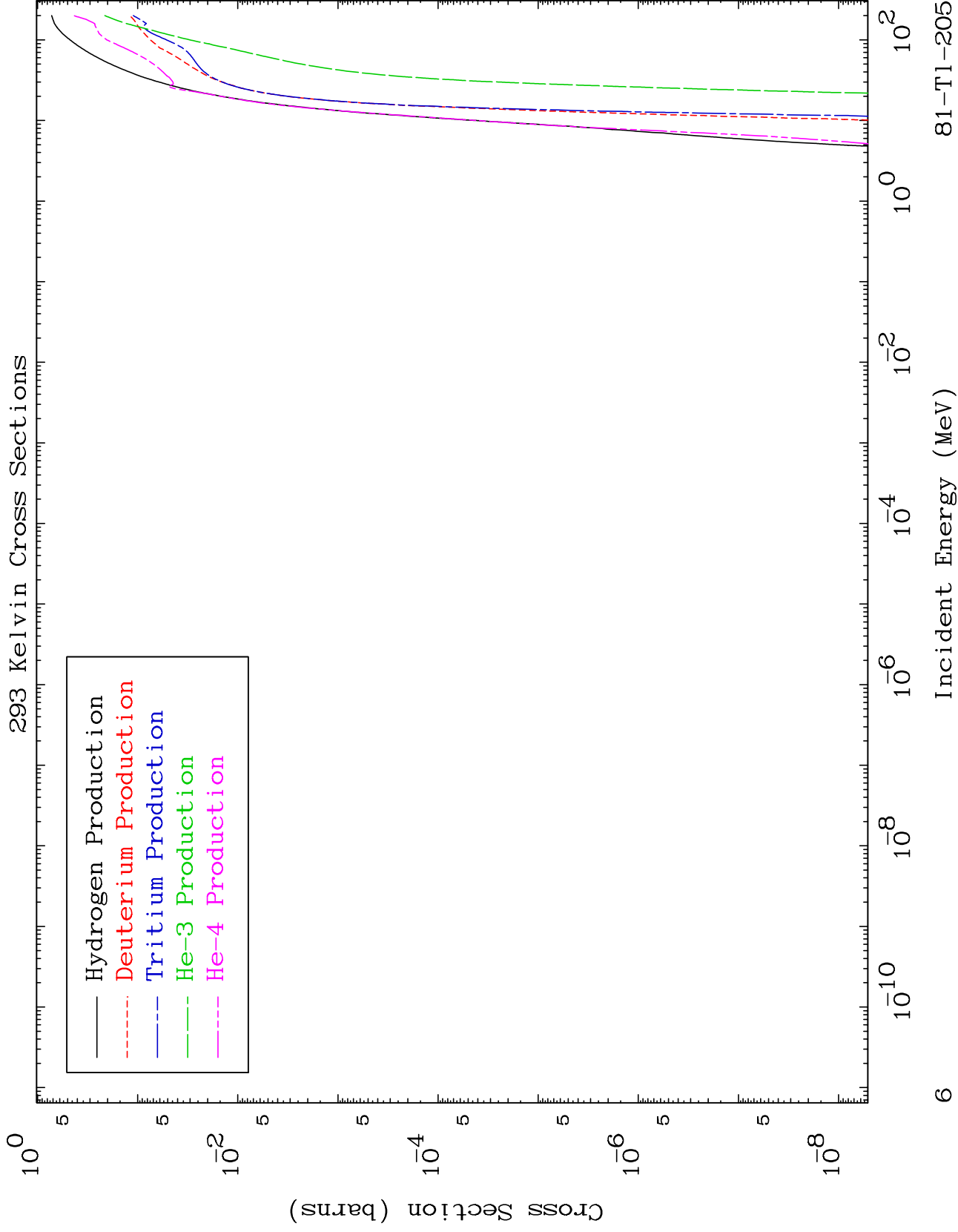
Incident Energy (MeV)

81-Tl-205

MAT 8131

Particle Production  
293 Kelvin Cross Sections

81-T1-205

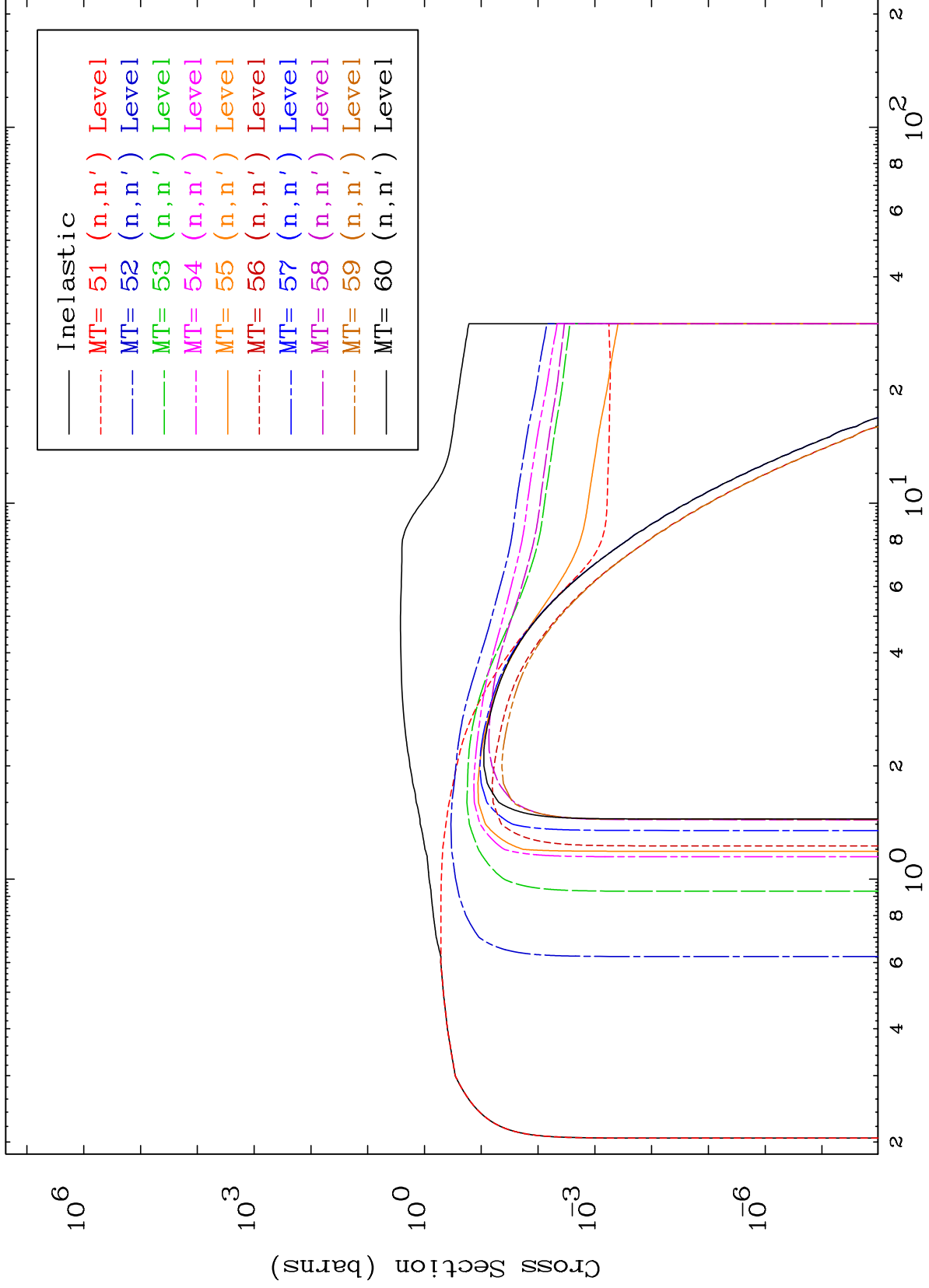


MAT 8131

(n,n') Level

81-Tl-205

293 Kelvin Cross Sections



7

Incident Energy (MeV)

81-Tl-205

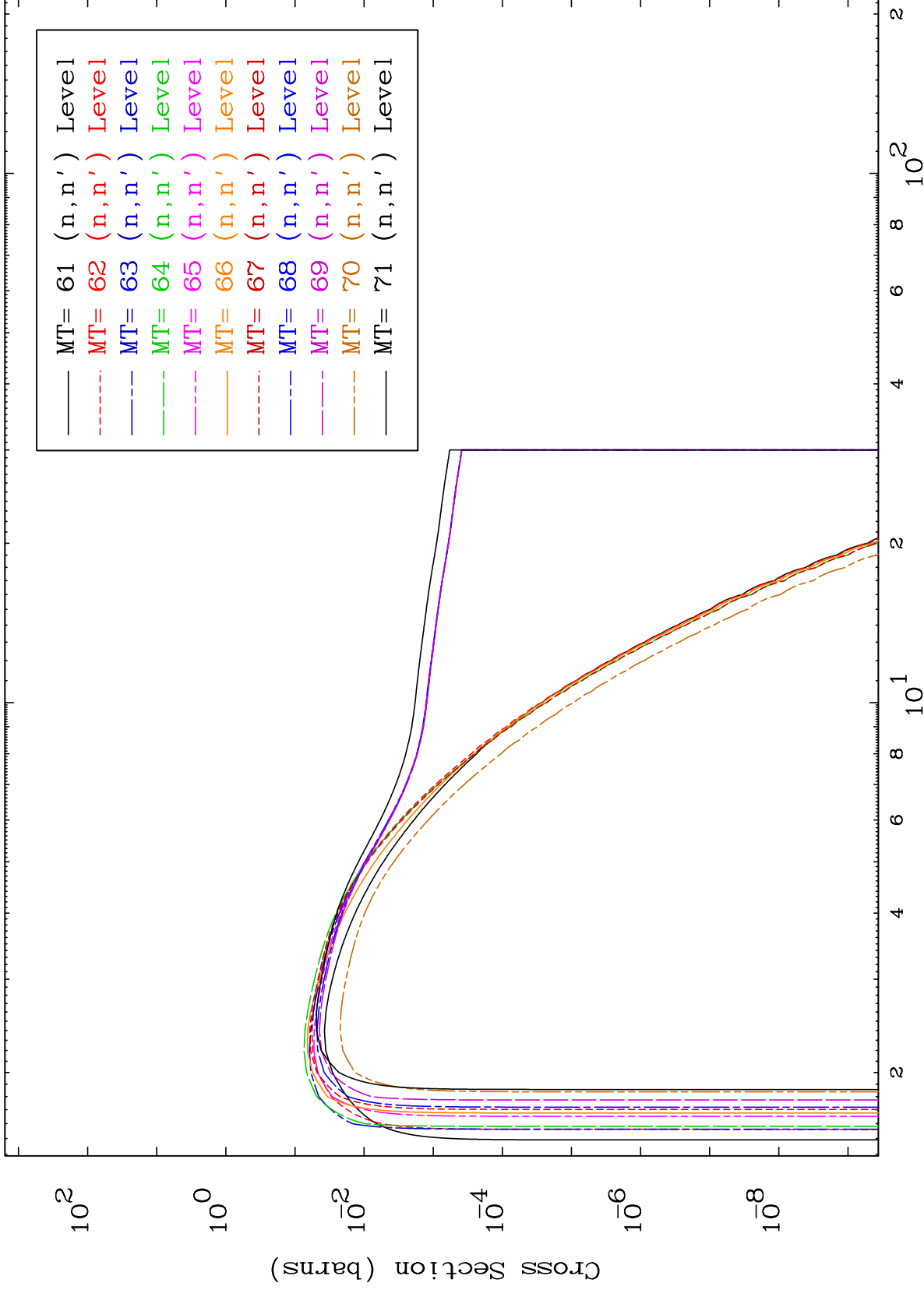


MAT 8131

(n,n') Level

81-Tl-205

293 Kelvin Cross Sections



8

Incident Energy (MeV)

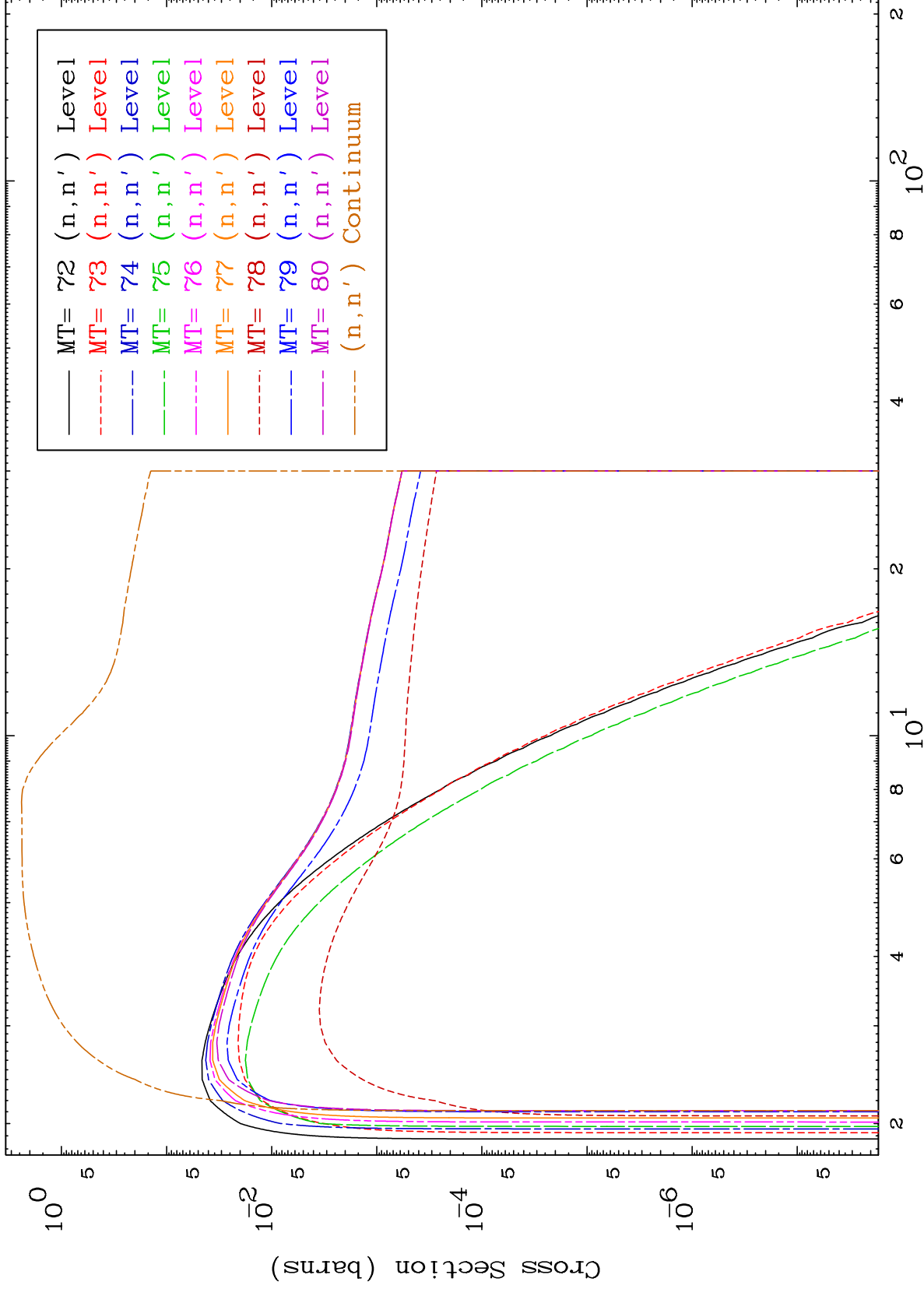
81-Tl-205

MAT 8131

(n,n') Level

81-Tl-205

293 Kelvin Cross Sections



9

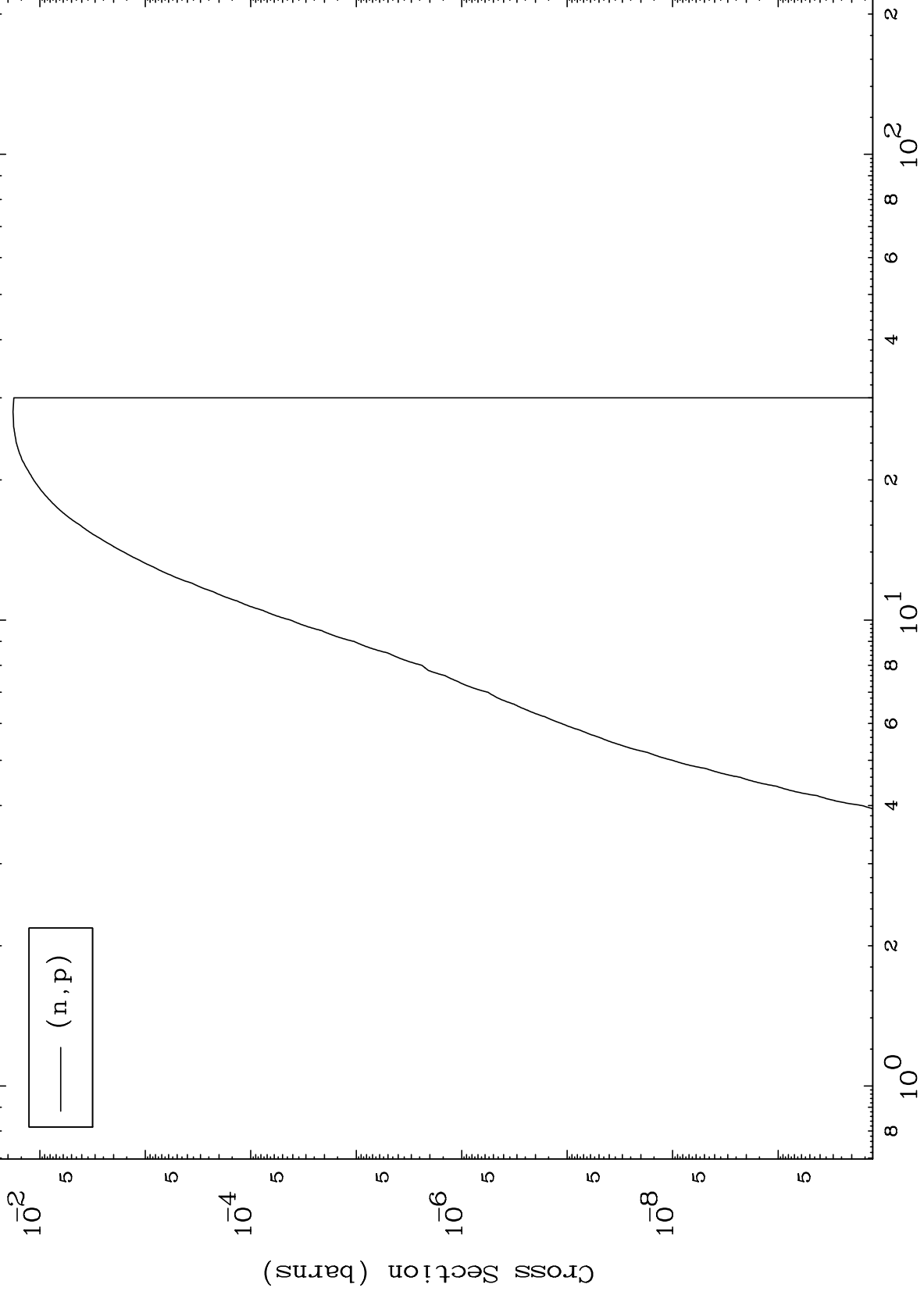
Incident Energy (MeV)

81-Tl-205

MAT 8131

(n,p) Levels  
293 Kelvin Cross Sections

81-Tl-205



10

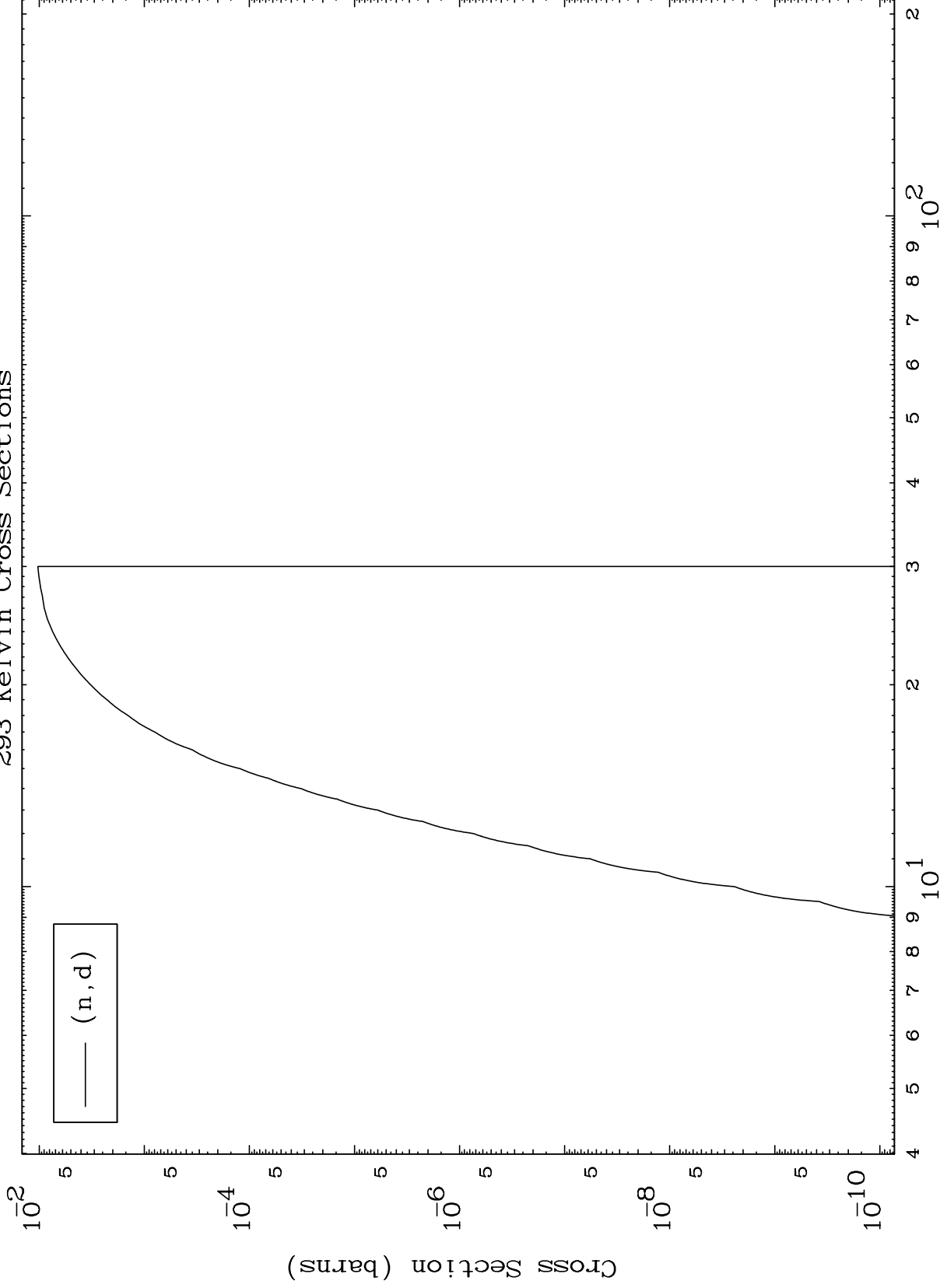
Incident Energy (MeV)

81-Tl-205

MAT 8131

(n,d) Levels  
293 Kelvin Cross Sections

81-Tl-205



11

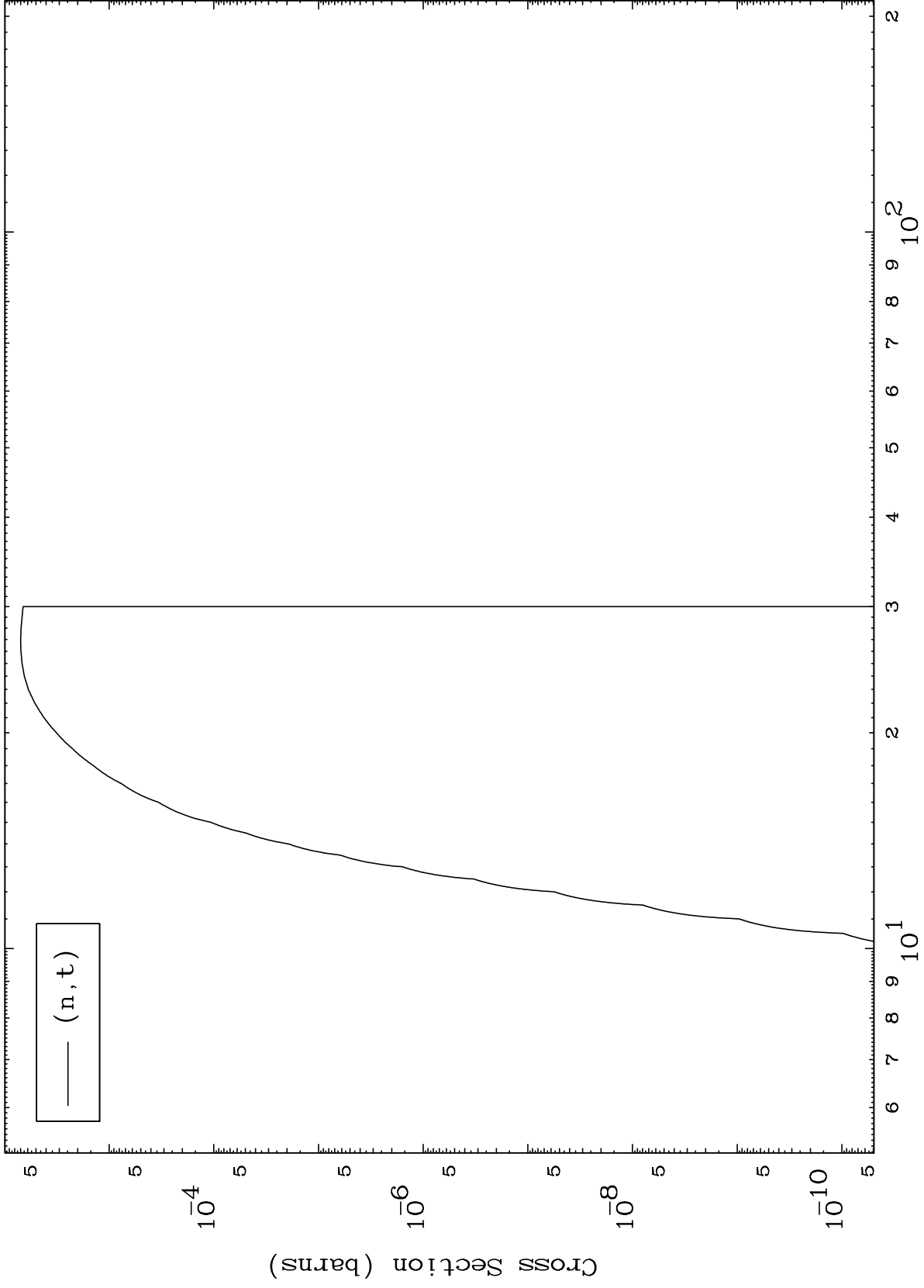
Incident Energy (MeV)

81-Tl-205

MAT 8131

(n,t) Levels  
293 Kelvin Cross Sections

81-T1-205



12

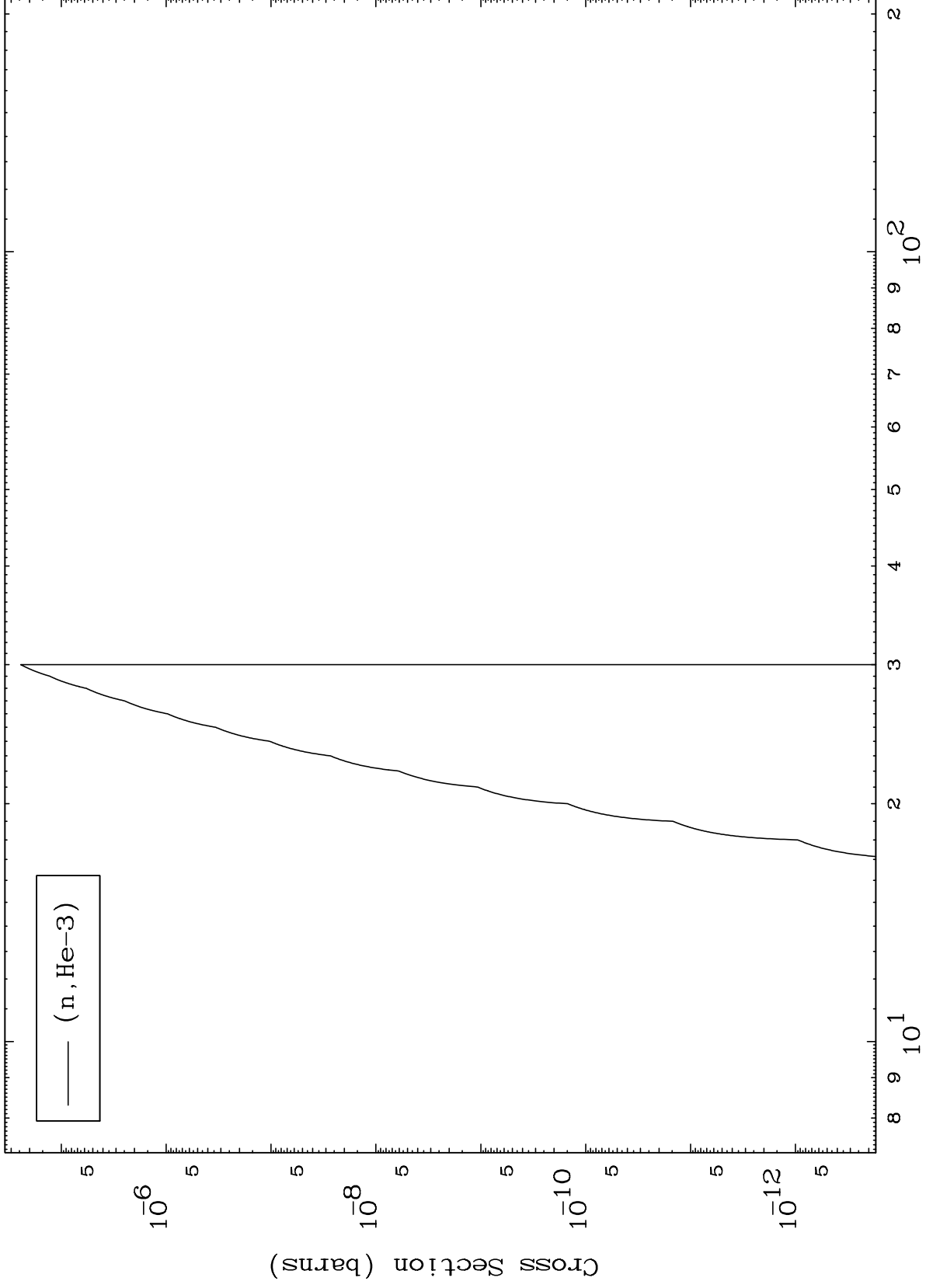
Incident Energy (MeV)

81-T1-205

MAT 8131

(n,He3) Levels  
293 Kelvin Cross Sections

81-T1-205



13

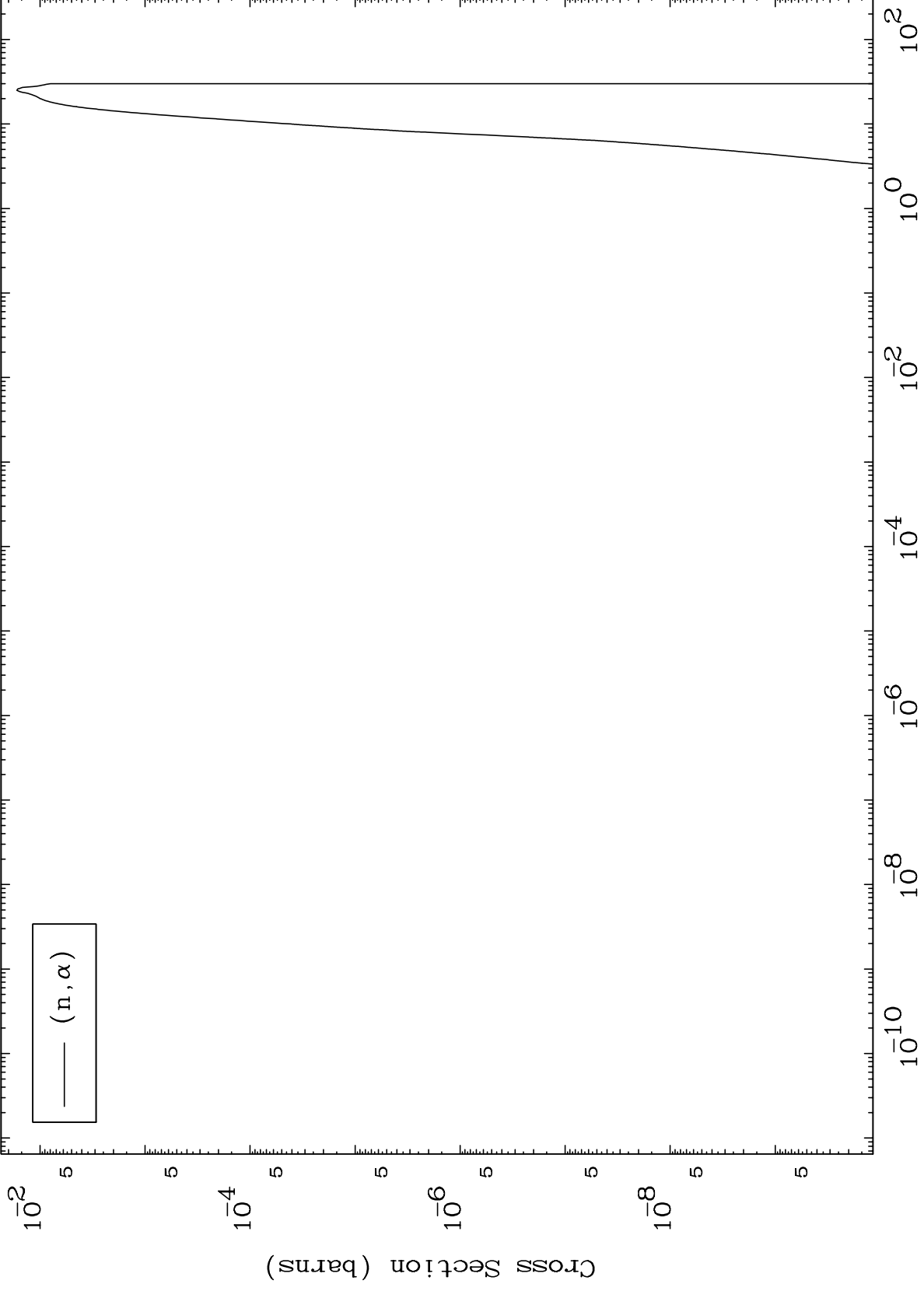
Incident Energy (MeV)

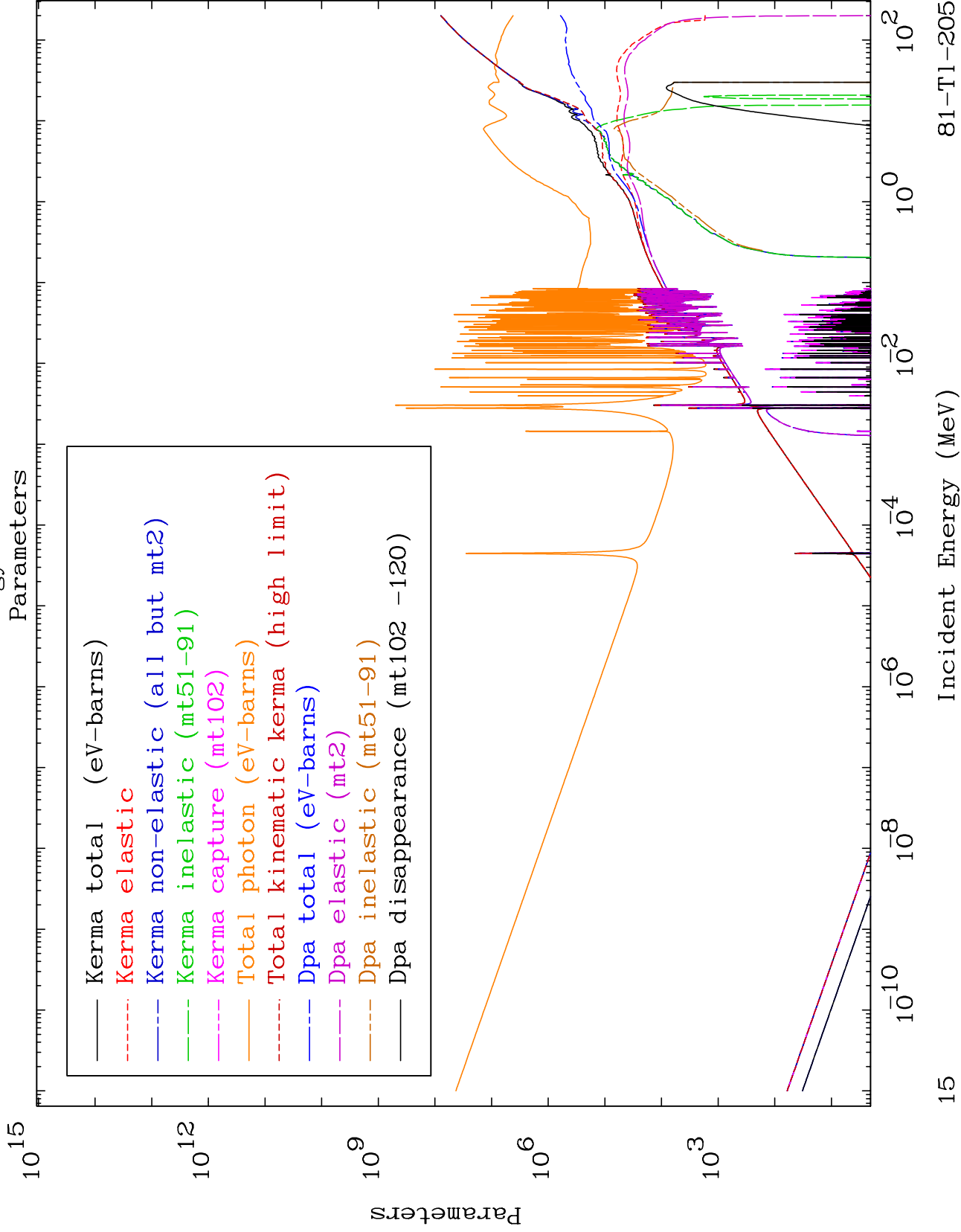
81-T1-205

MAT 8131

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

81-Tl-205



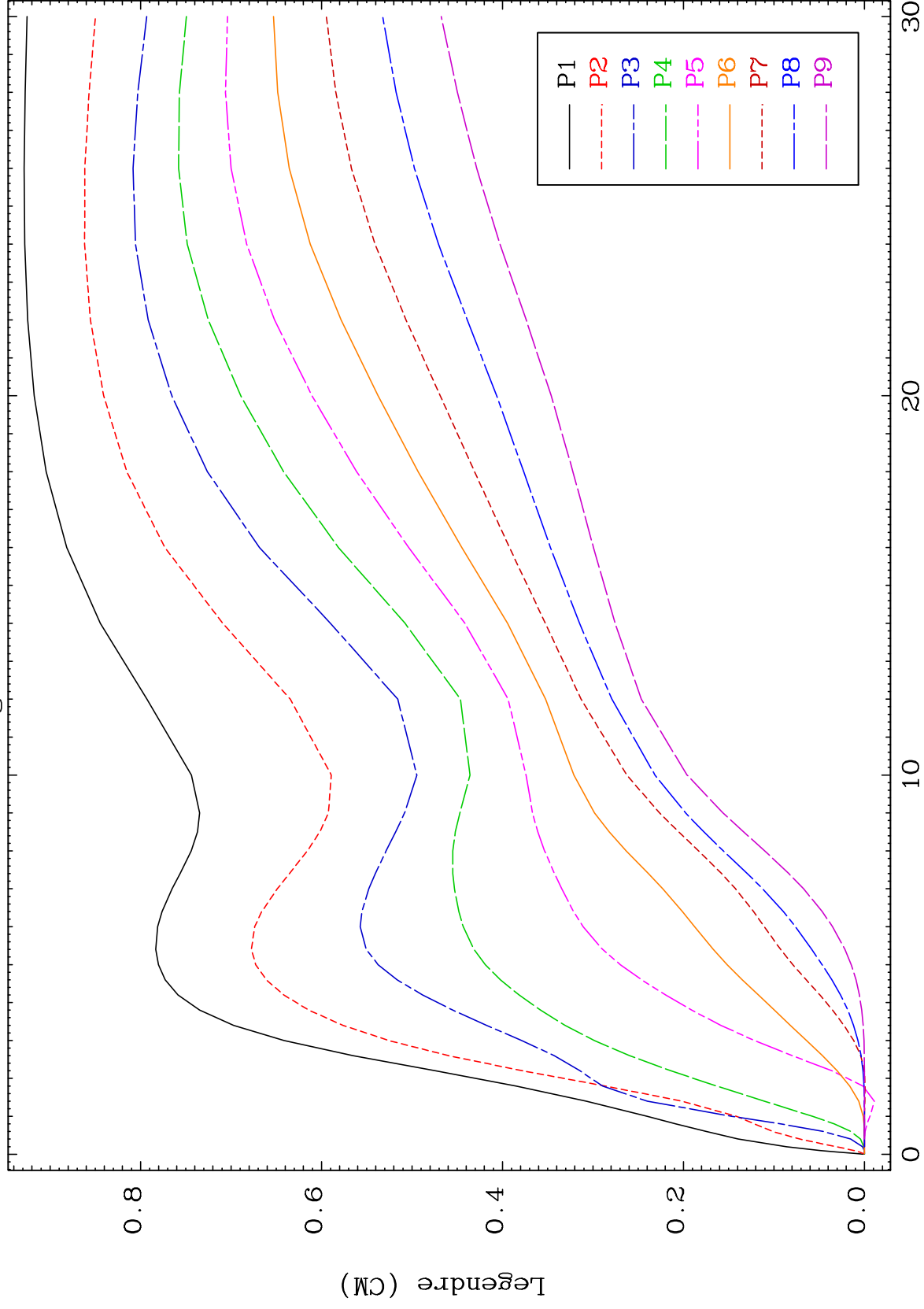




MAT 8131

Elastic Legendre Coefficients

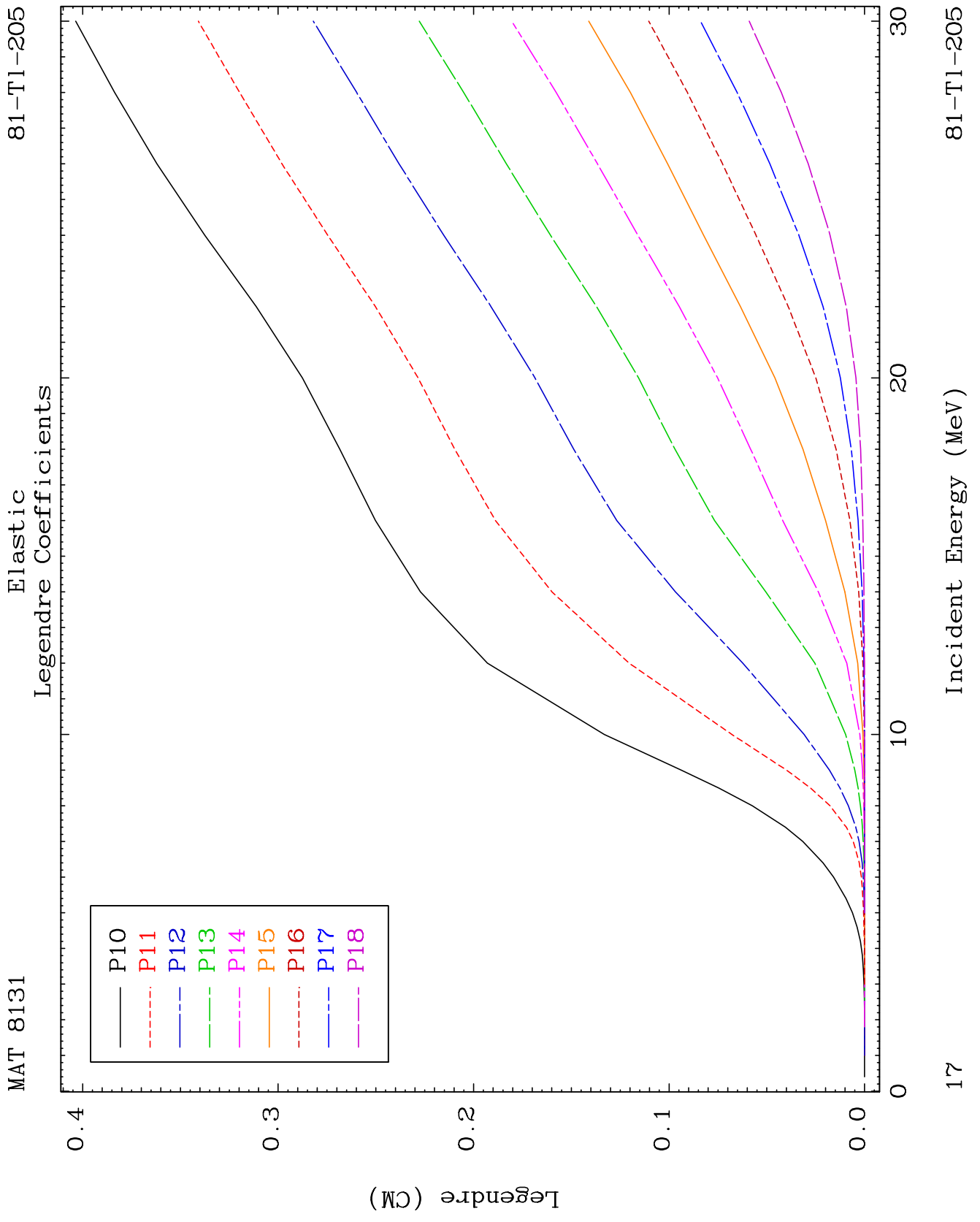
81-T1-205



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Incident Energy (MeV)

81-T1-205



MAT 8131

Elastic Legendre Coefficients

81-T1-205

17

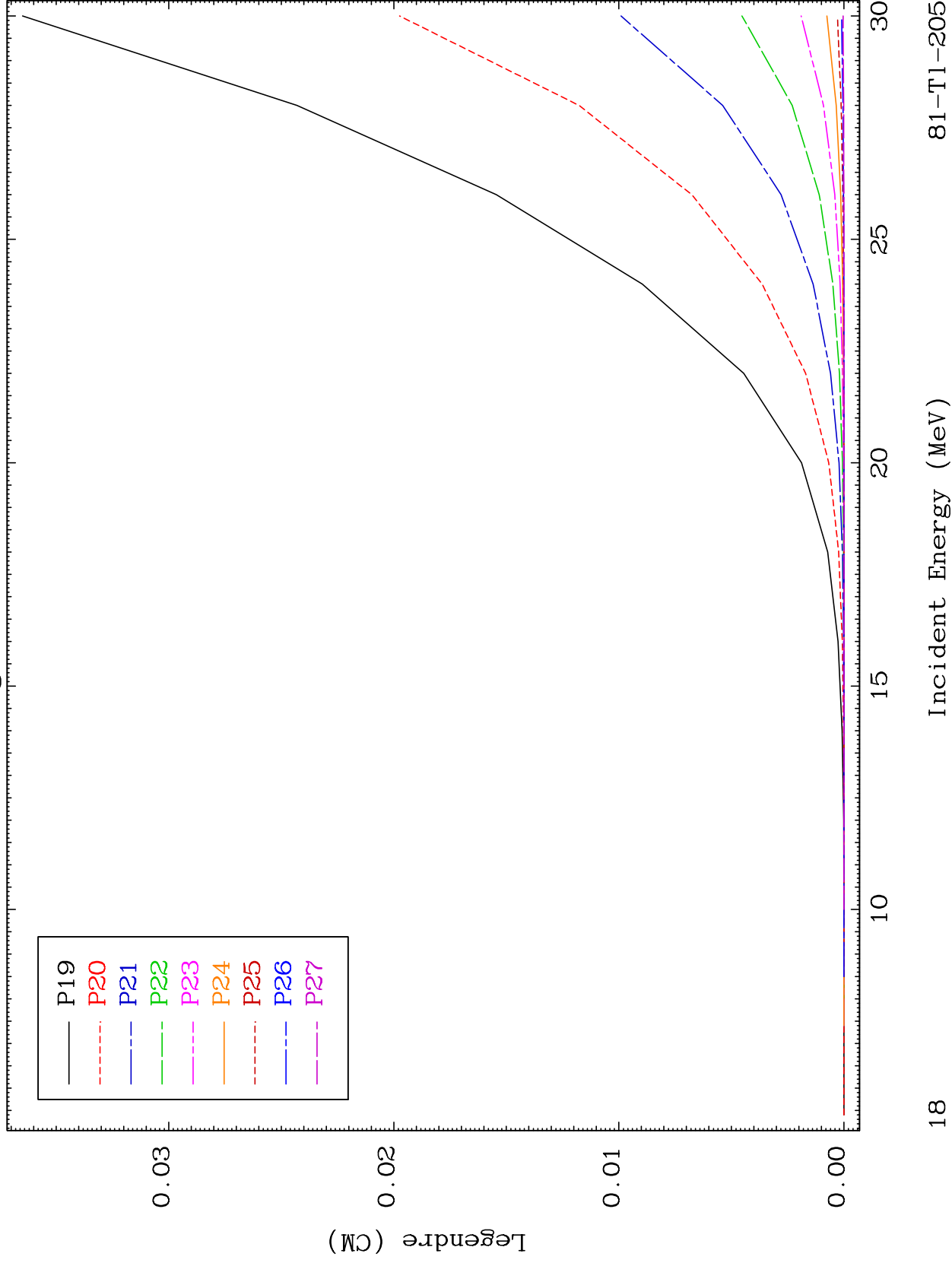
Incident Energy (MeV)

81-T1-205

MAT 8131

### Elastic Legendre Coefficients

81-T1-205



18

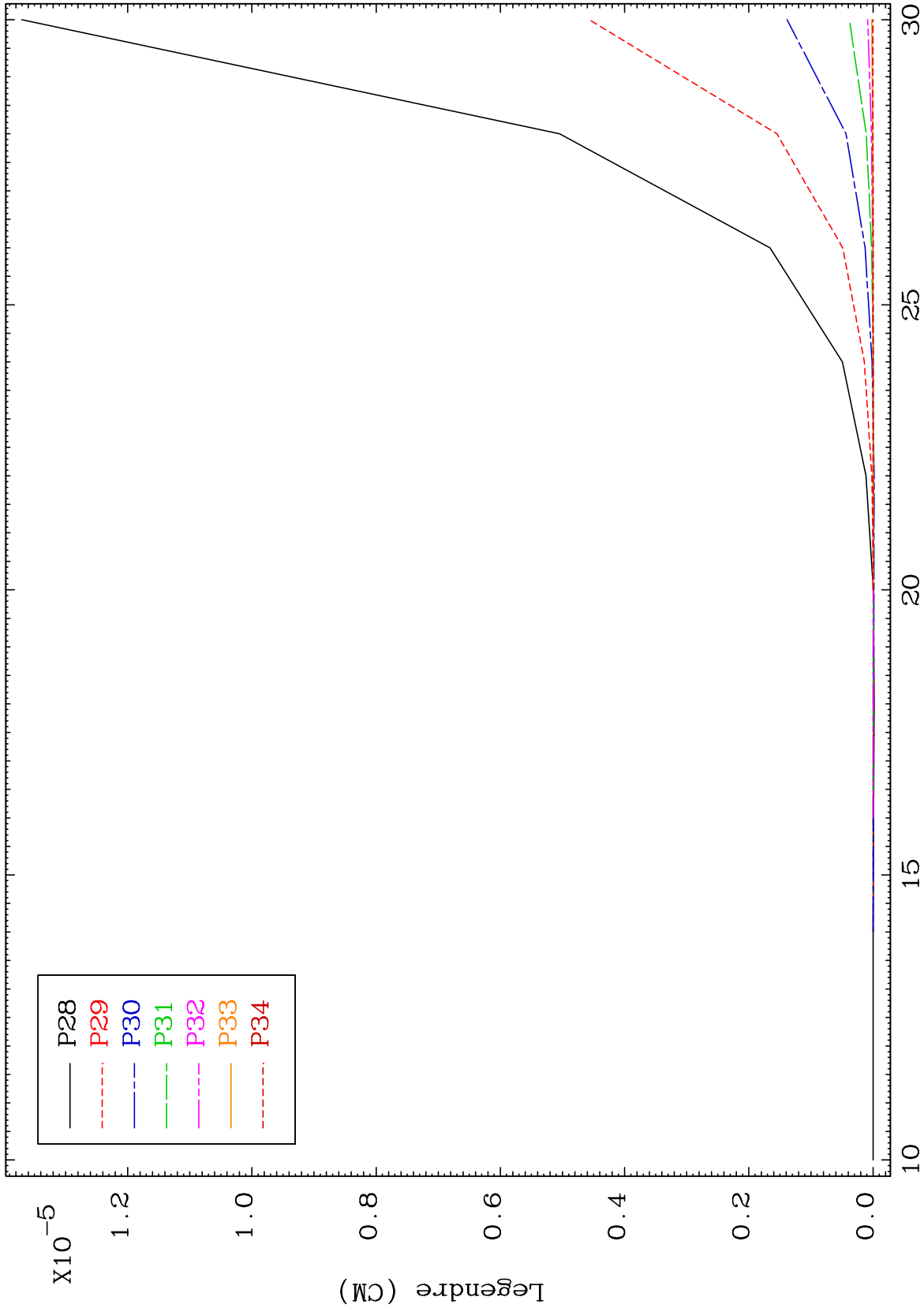
Incident Energy (MeV)

81-T1-205

MAT 8131

Elastic Legendre Coefficients

81-T1-205



19

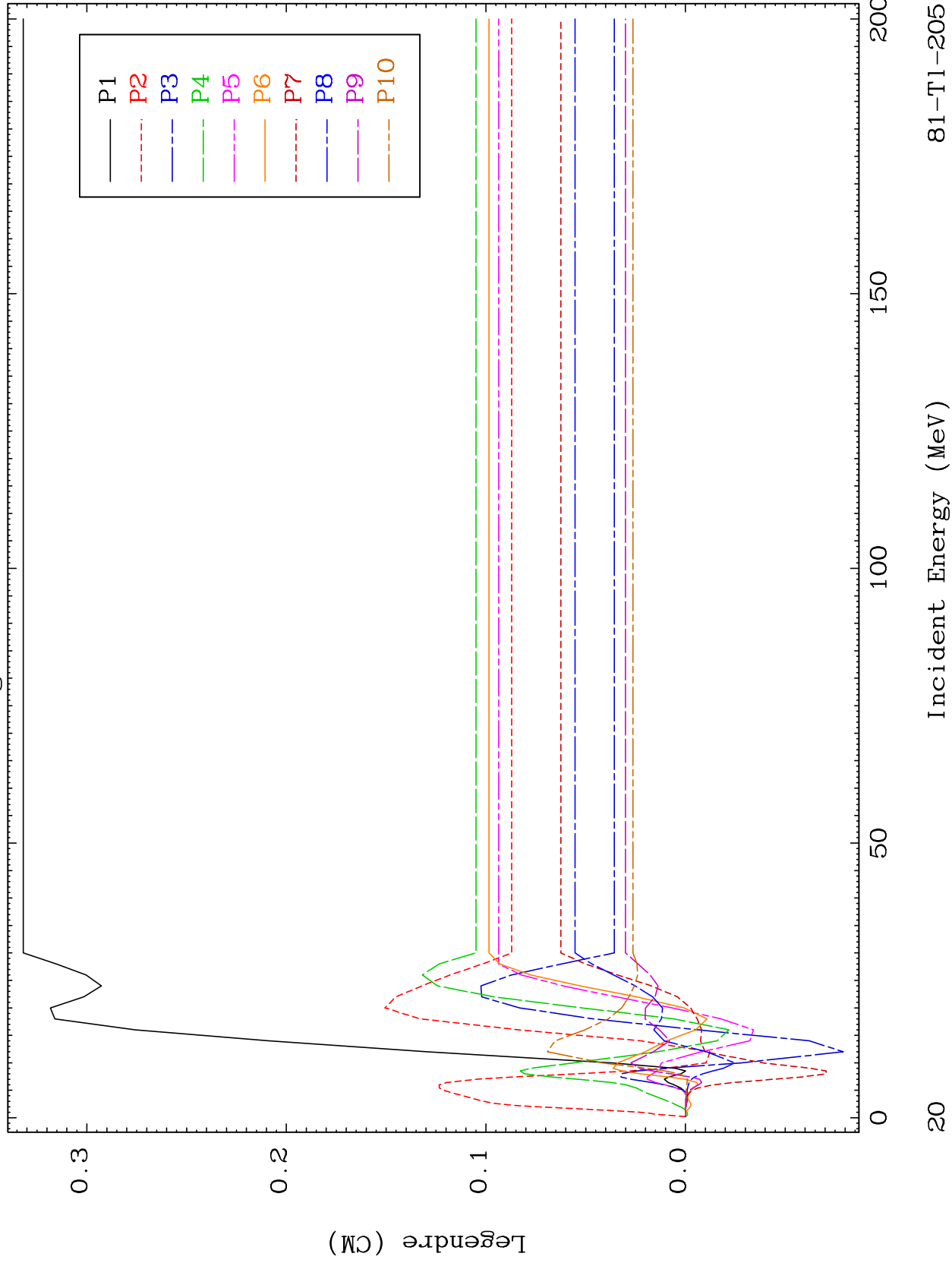
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205

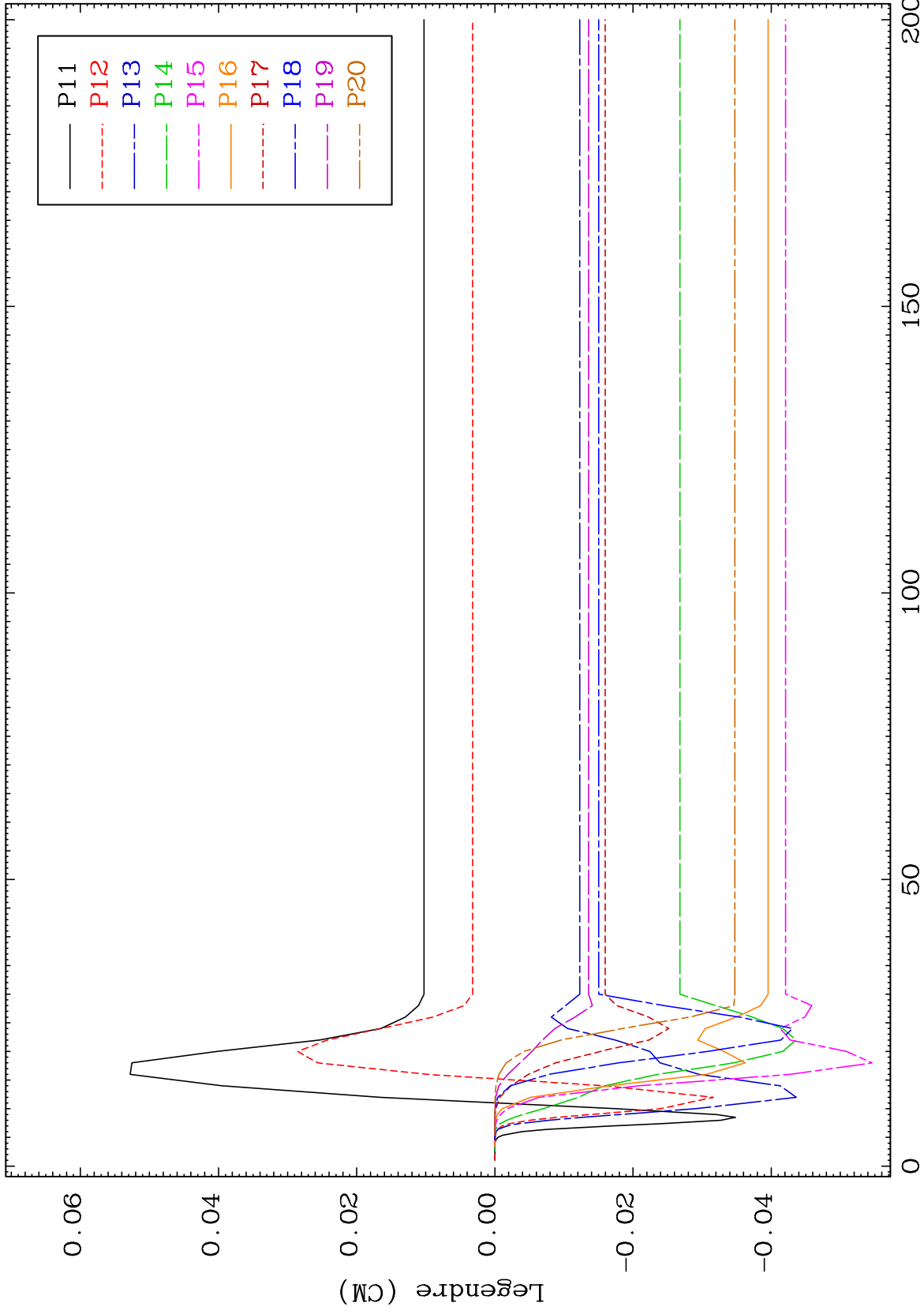


81-T1-205

MAT 8131

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

81-T1-205



21

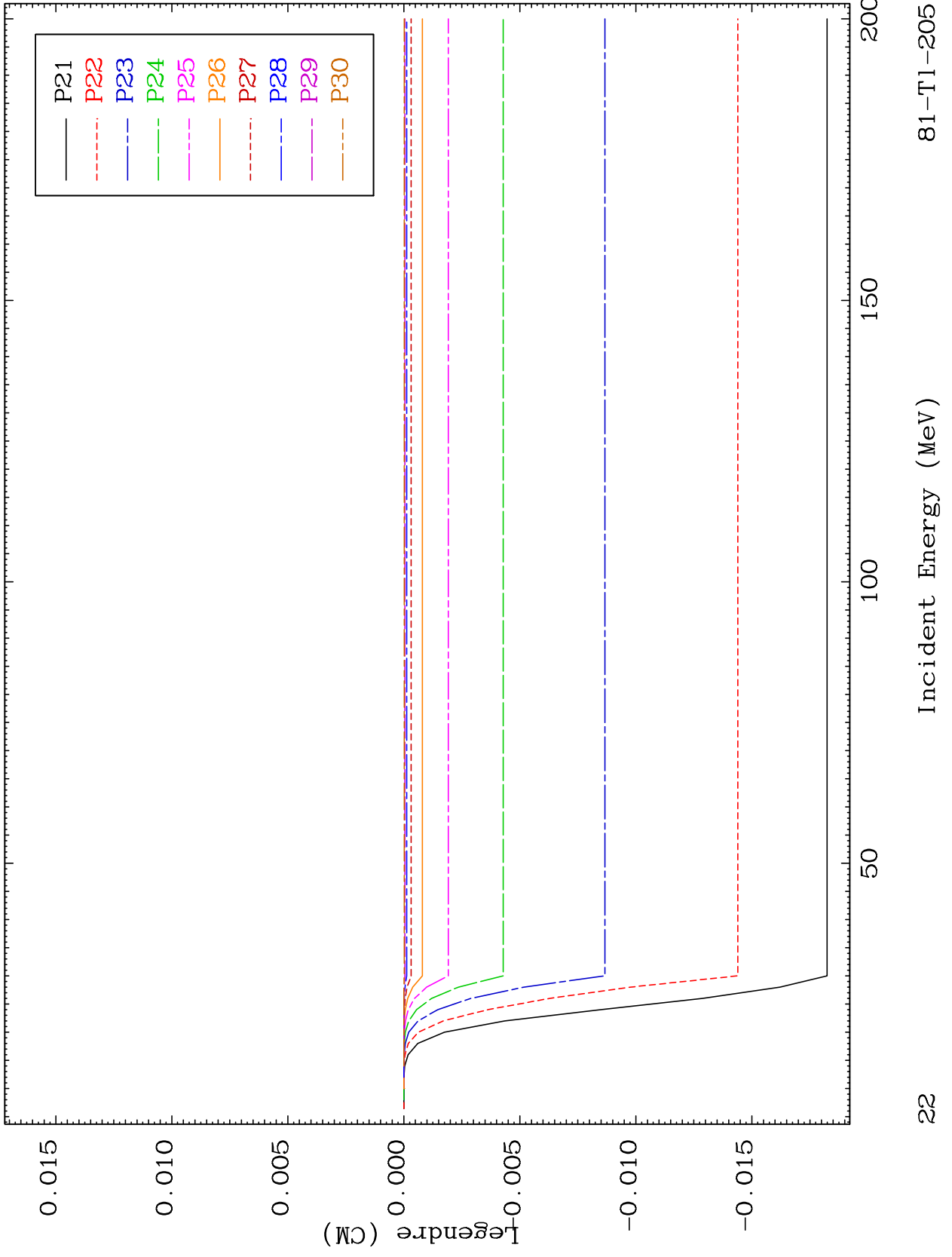
Incident Energy (MeV)

81-T1-205

MAT 8131

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

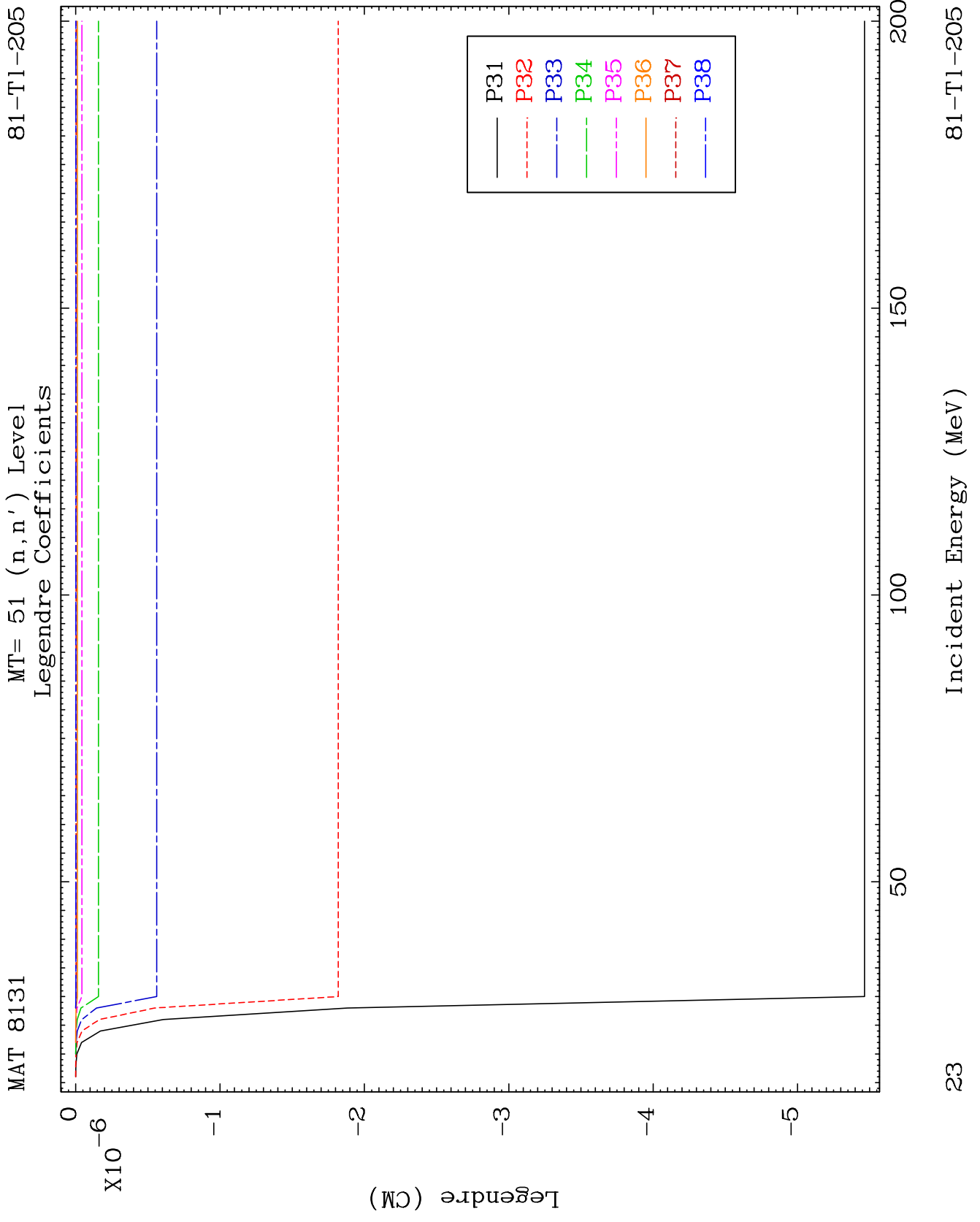
81-T1-205



22

Incident Energy (MeV)

81-T1-205

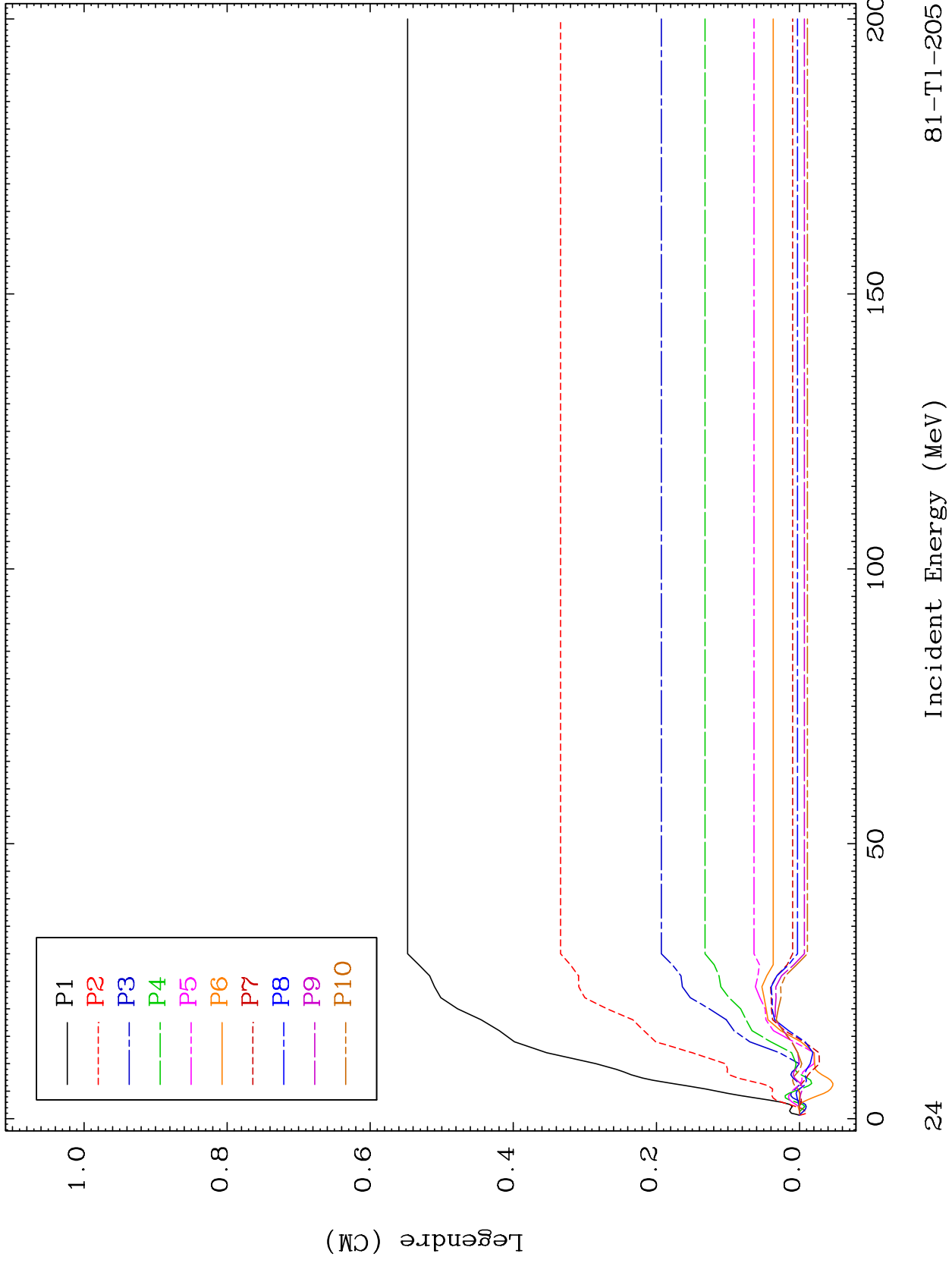




MAT 8131

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

81-T1-205



24

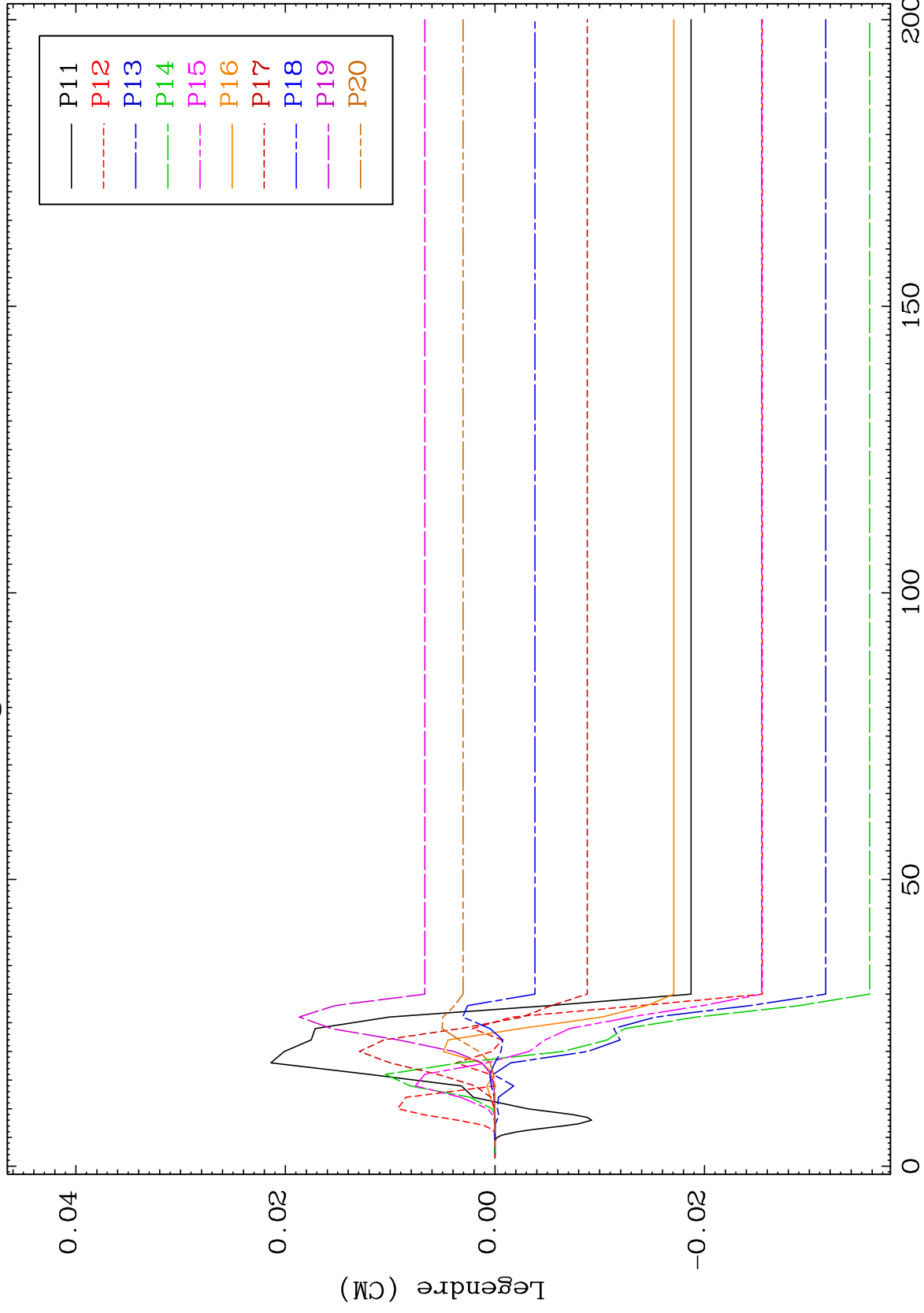
Incident Energy (MeV)

81-T1-205

MAT 8131

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

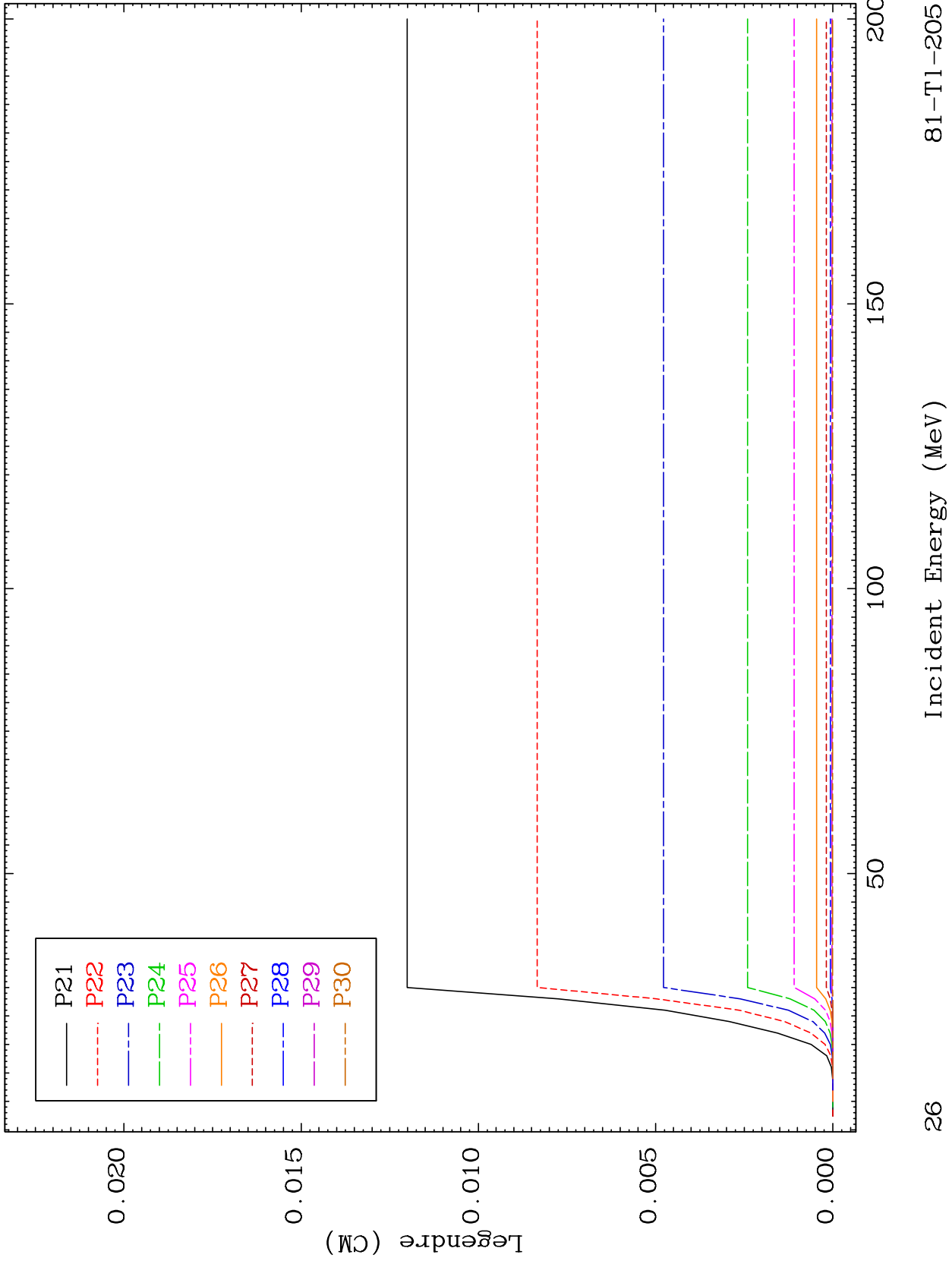
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Incident Energy (MeV)

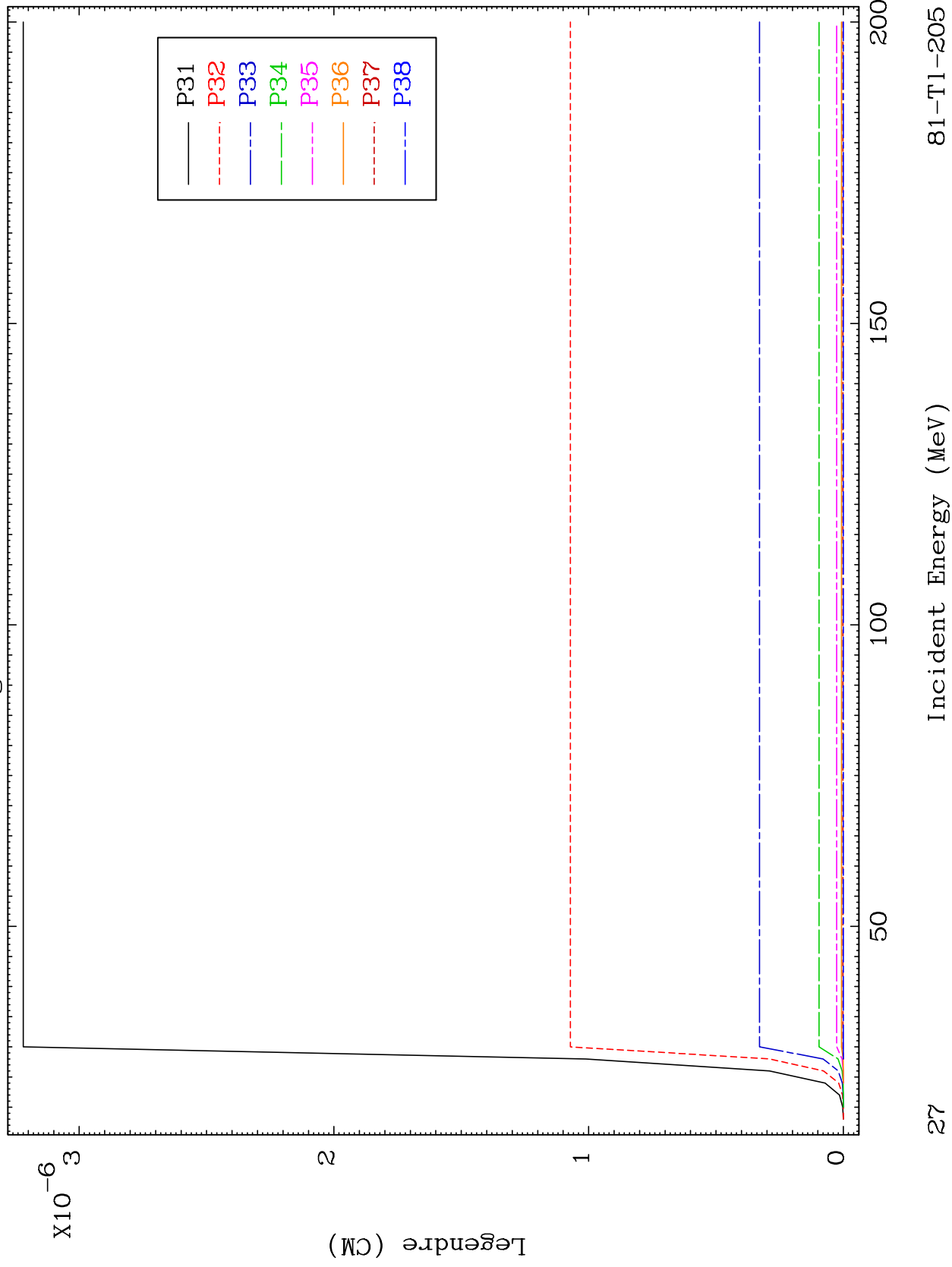
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MAT 8131

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

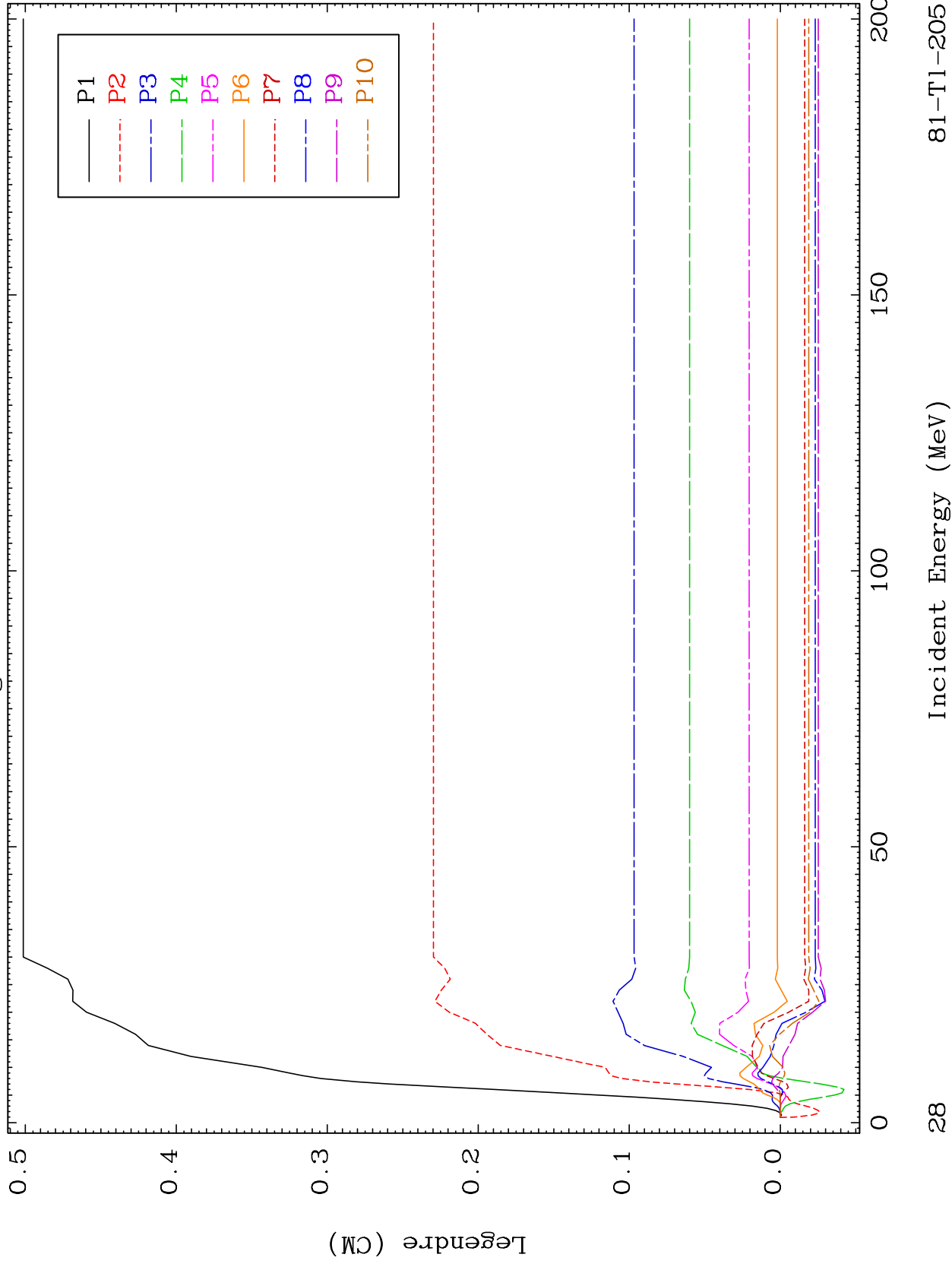
81-T1-205



MAT 8131

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

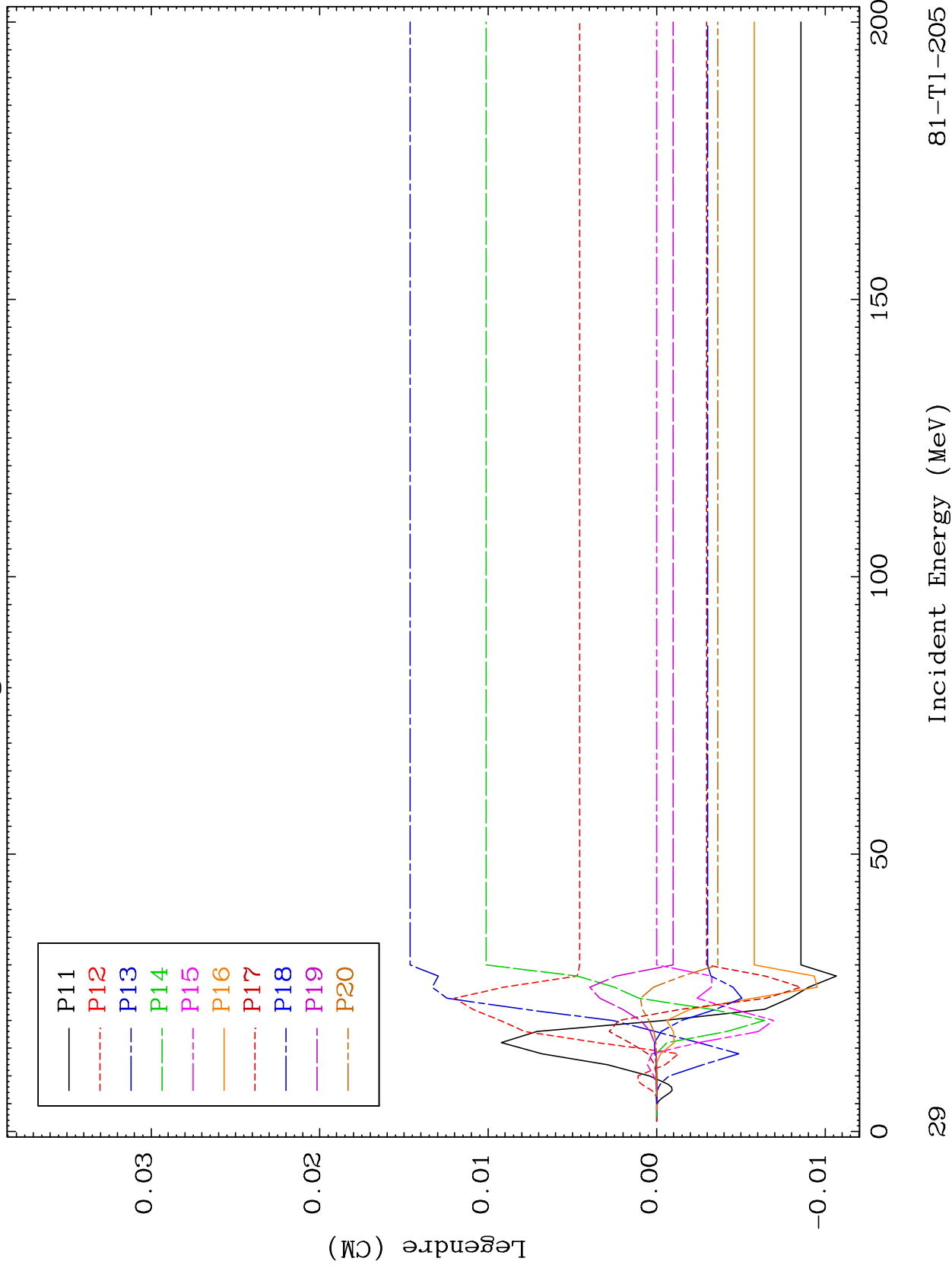
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MAT 8131

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

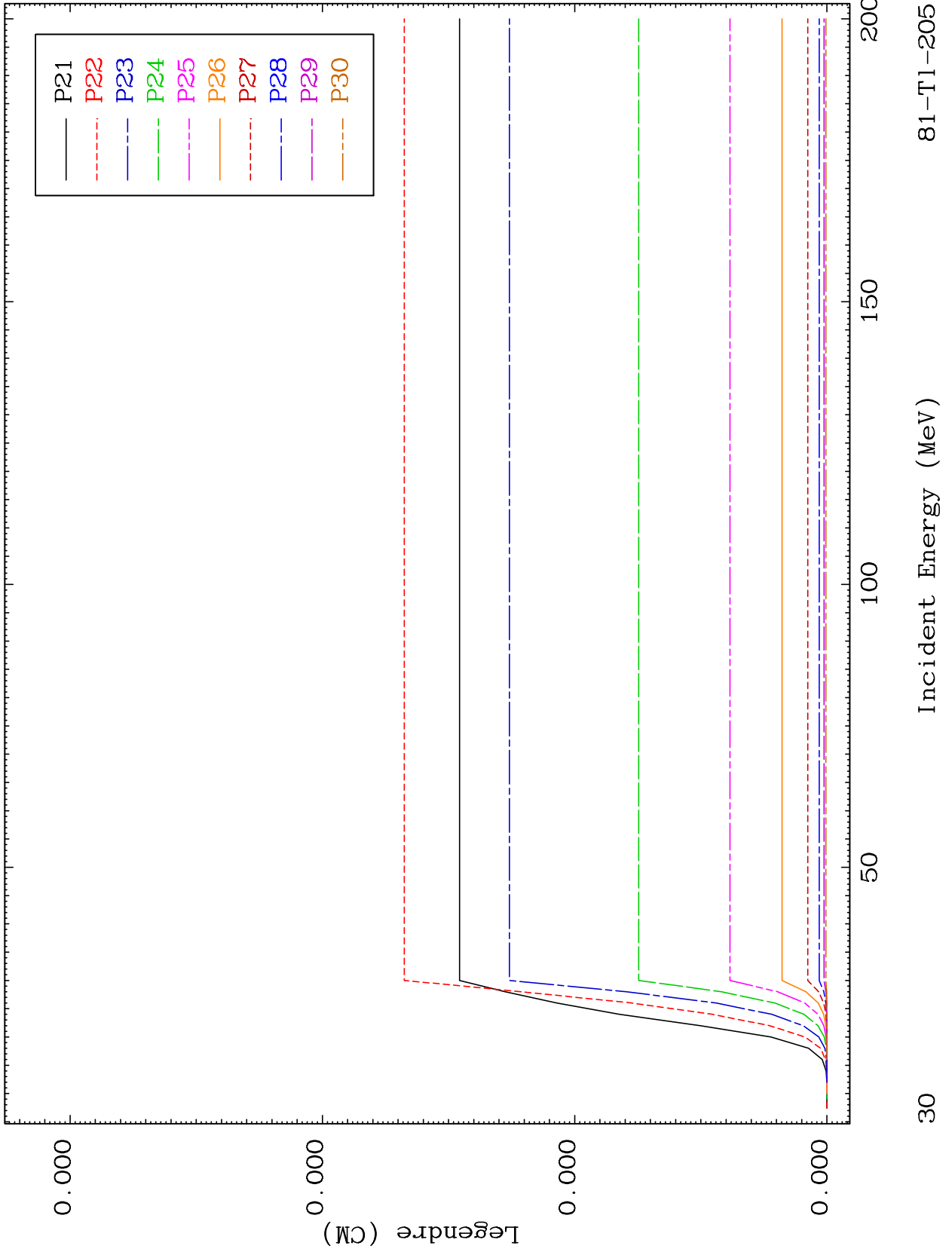
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MAT 8131

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

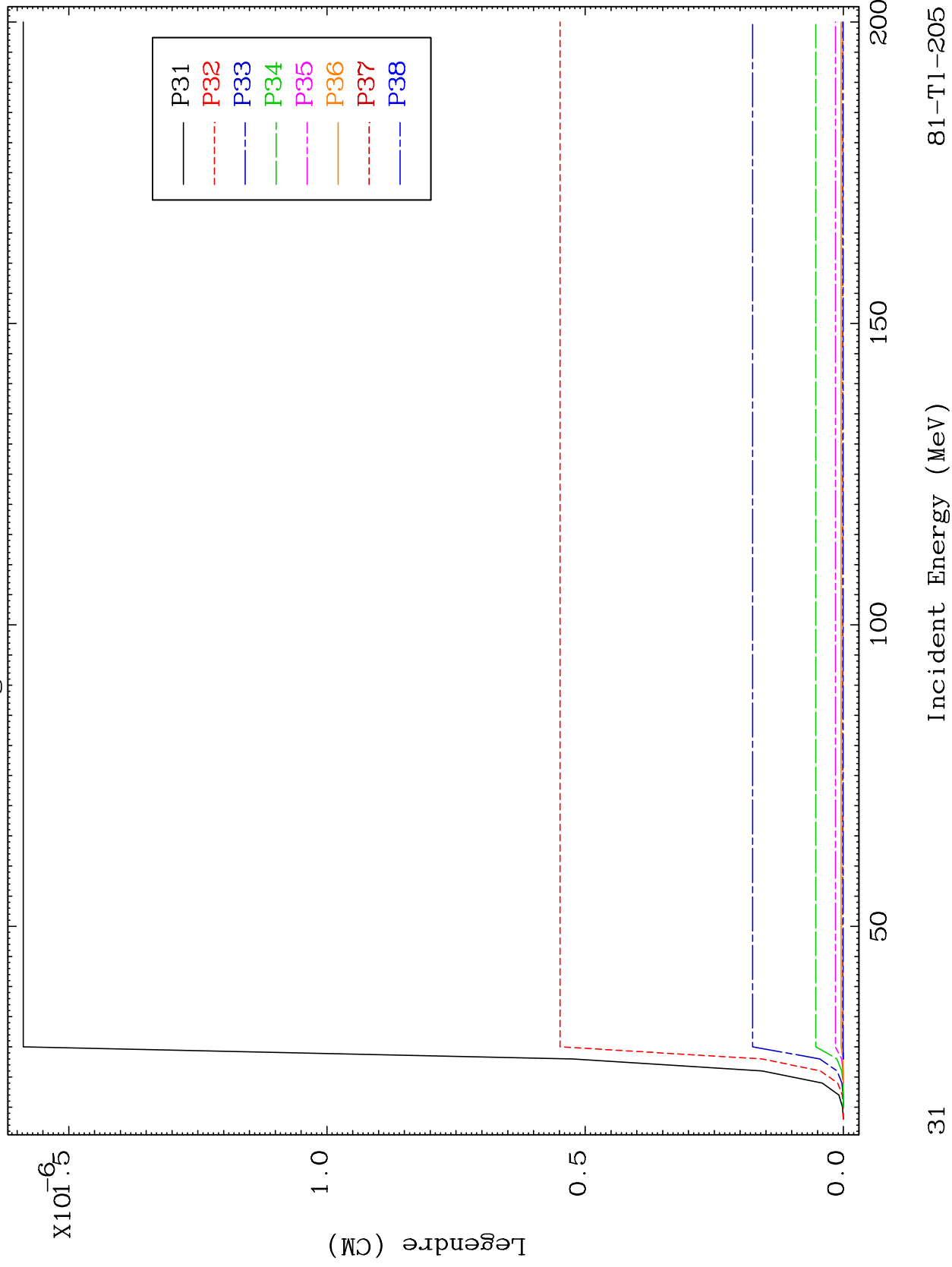
81-T1-205



MAT 8131

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

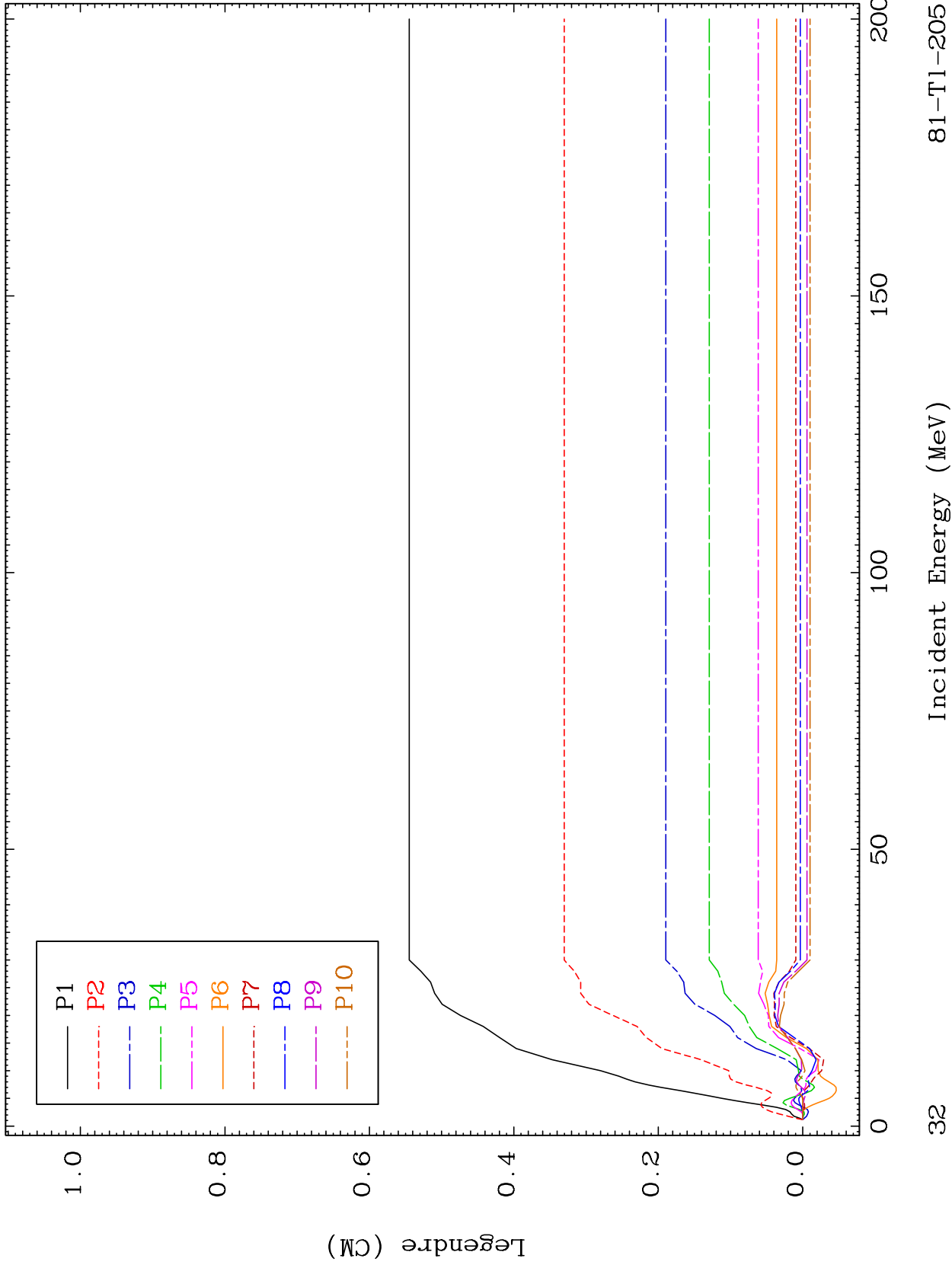
81-T1-205



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81-T1-205

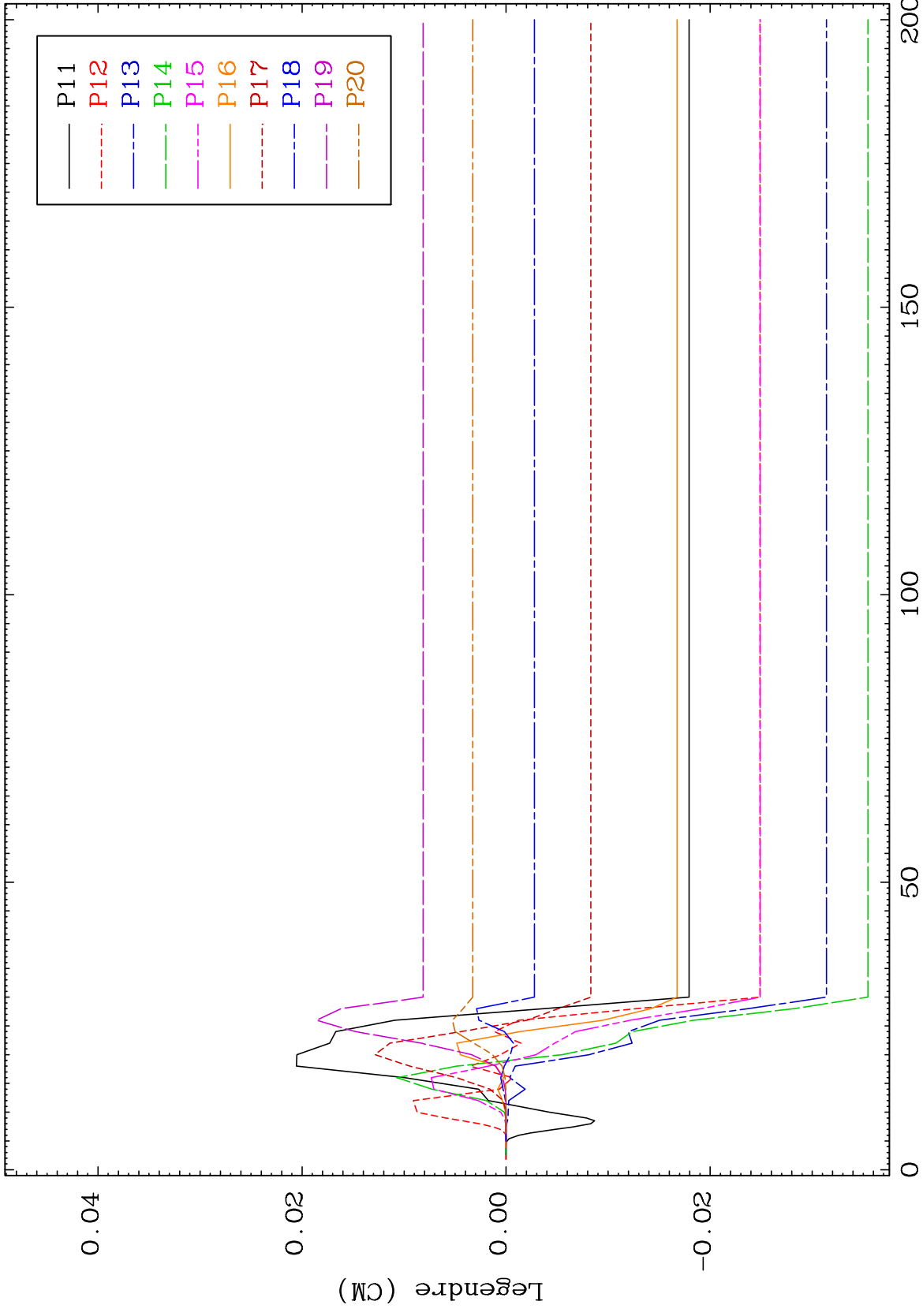




MAT 8131

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

81-T1-205



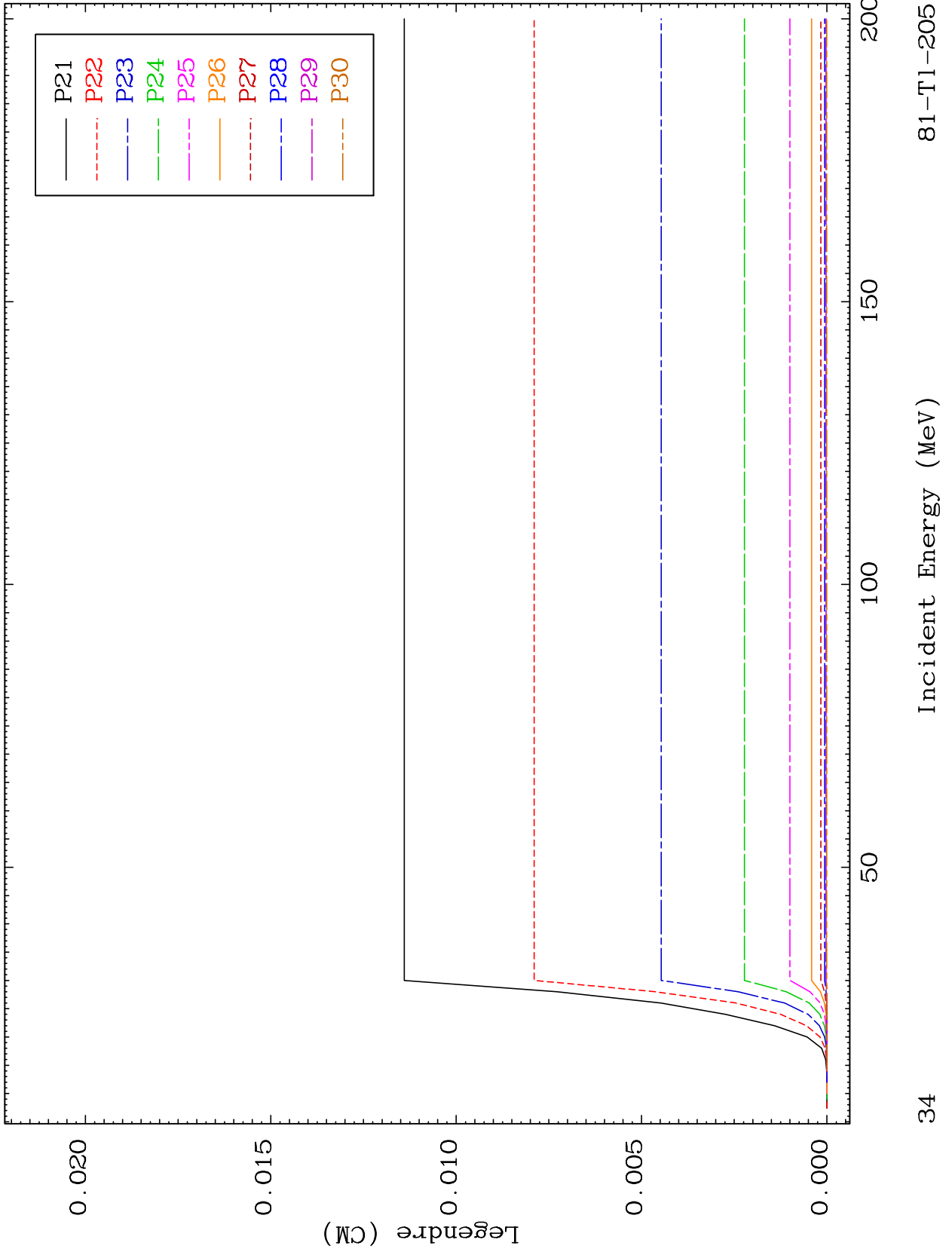
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81-T1-205

MAT 8131

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

81-T1-205



34

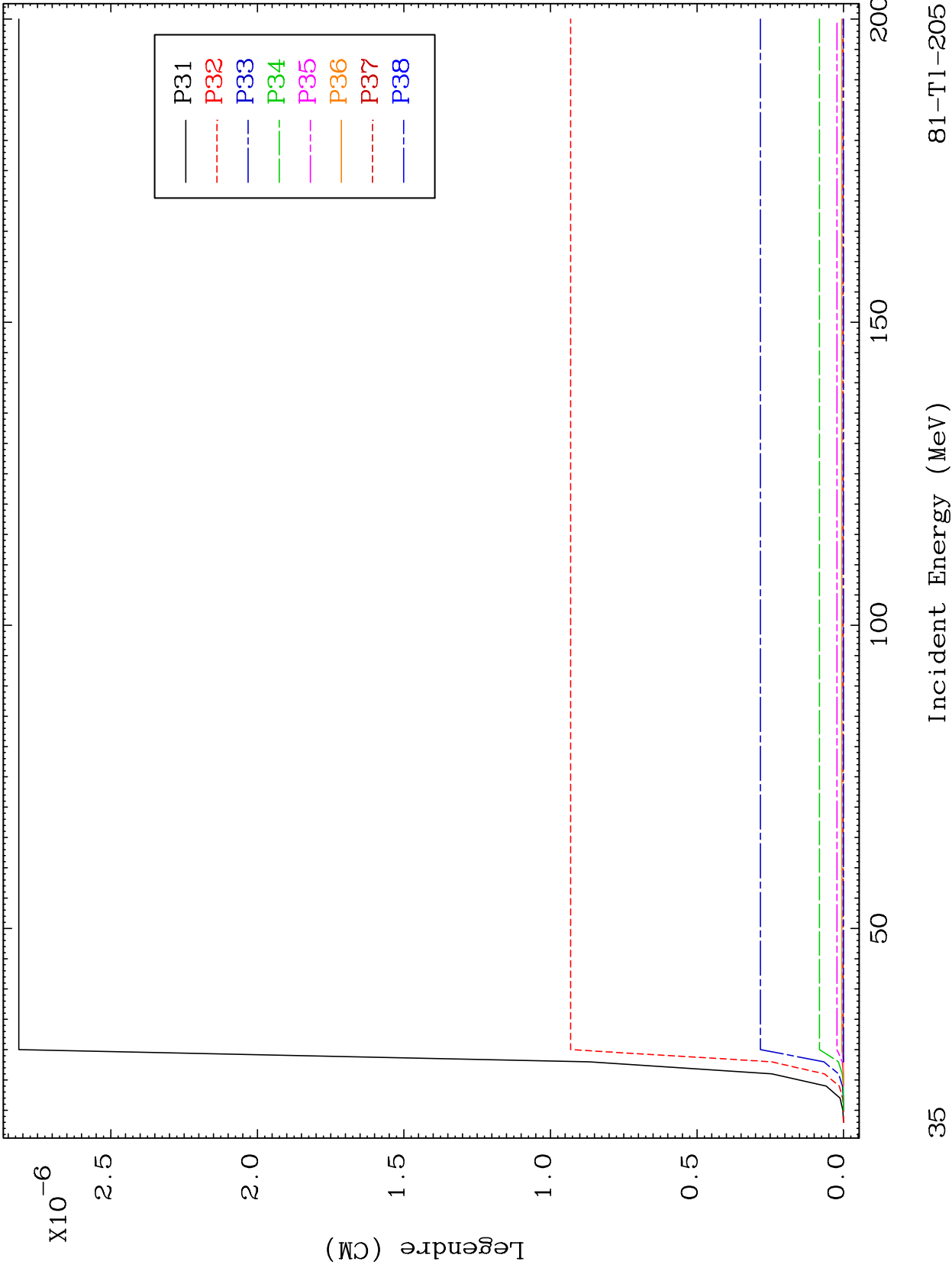
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205



35

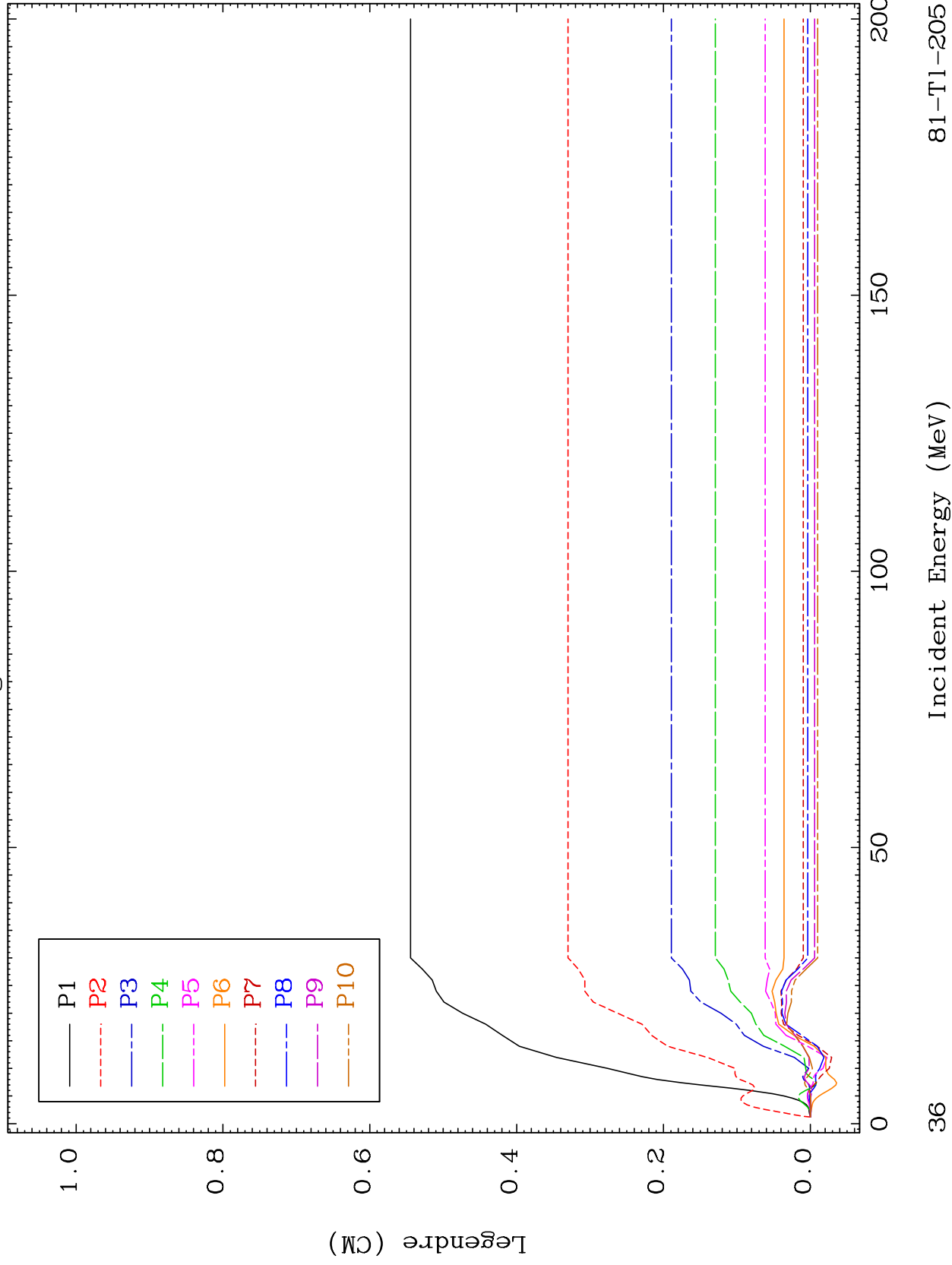
Incident Energy (MeV)

81-T1-205

MAT 8131

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

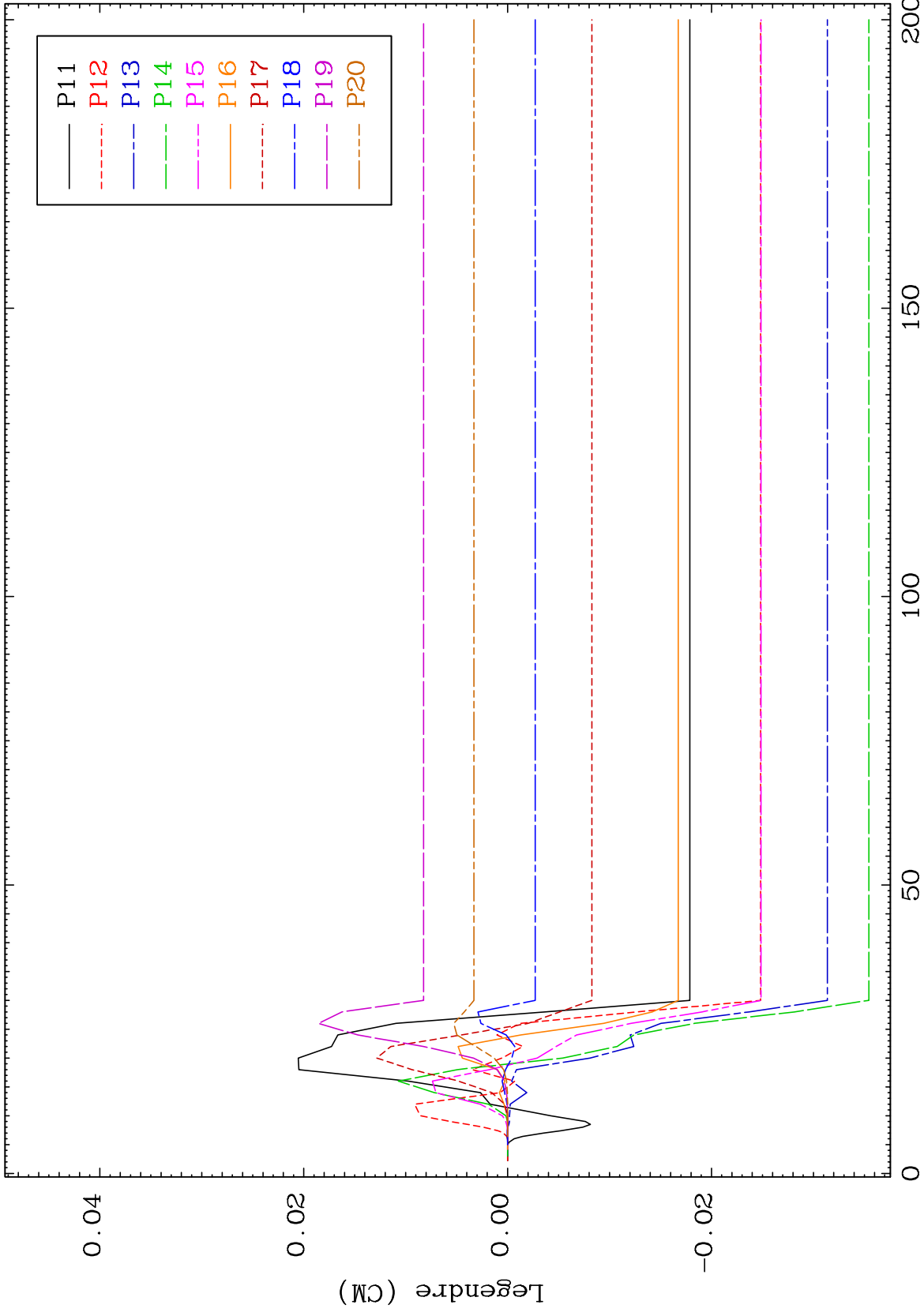
81-T1-205



MAT 8131

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

81-T1-205



37

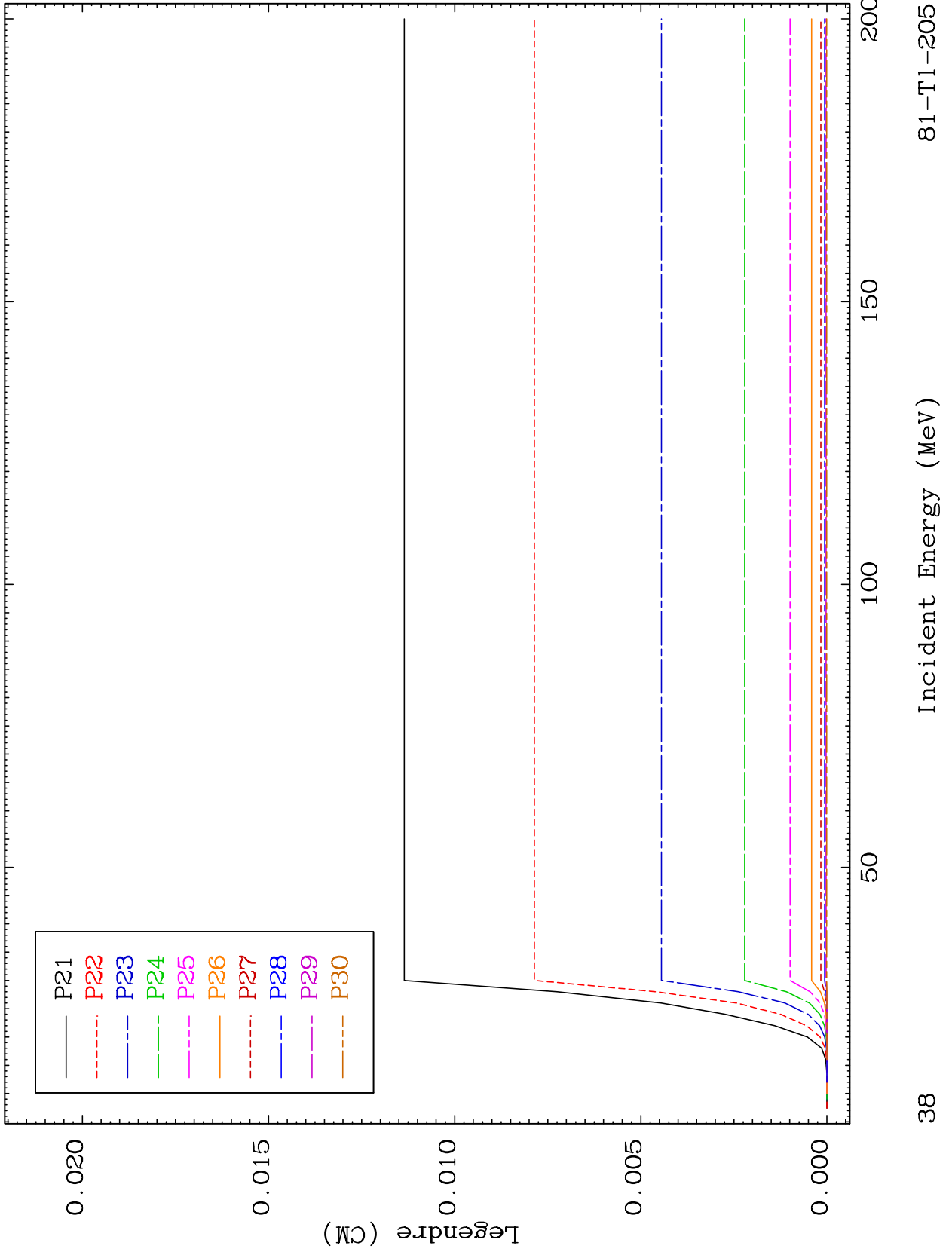
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205

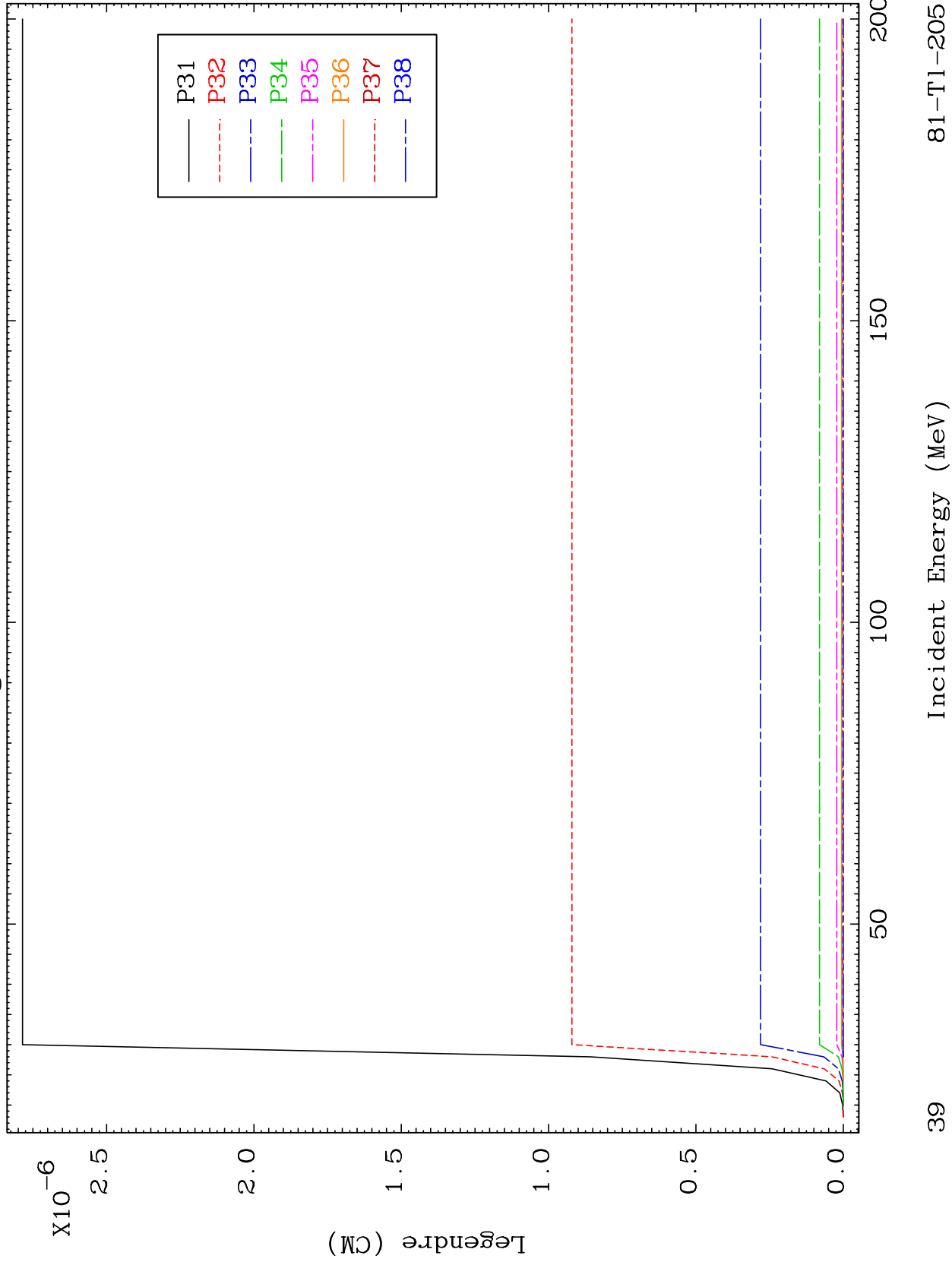


38

MAT 8131

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

81-T1-205

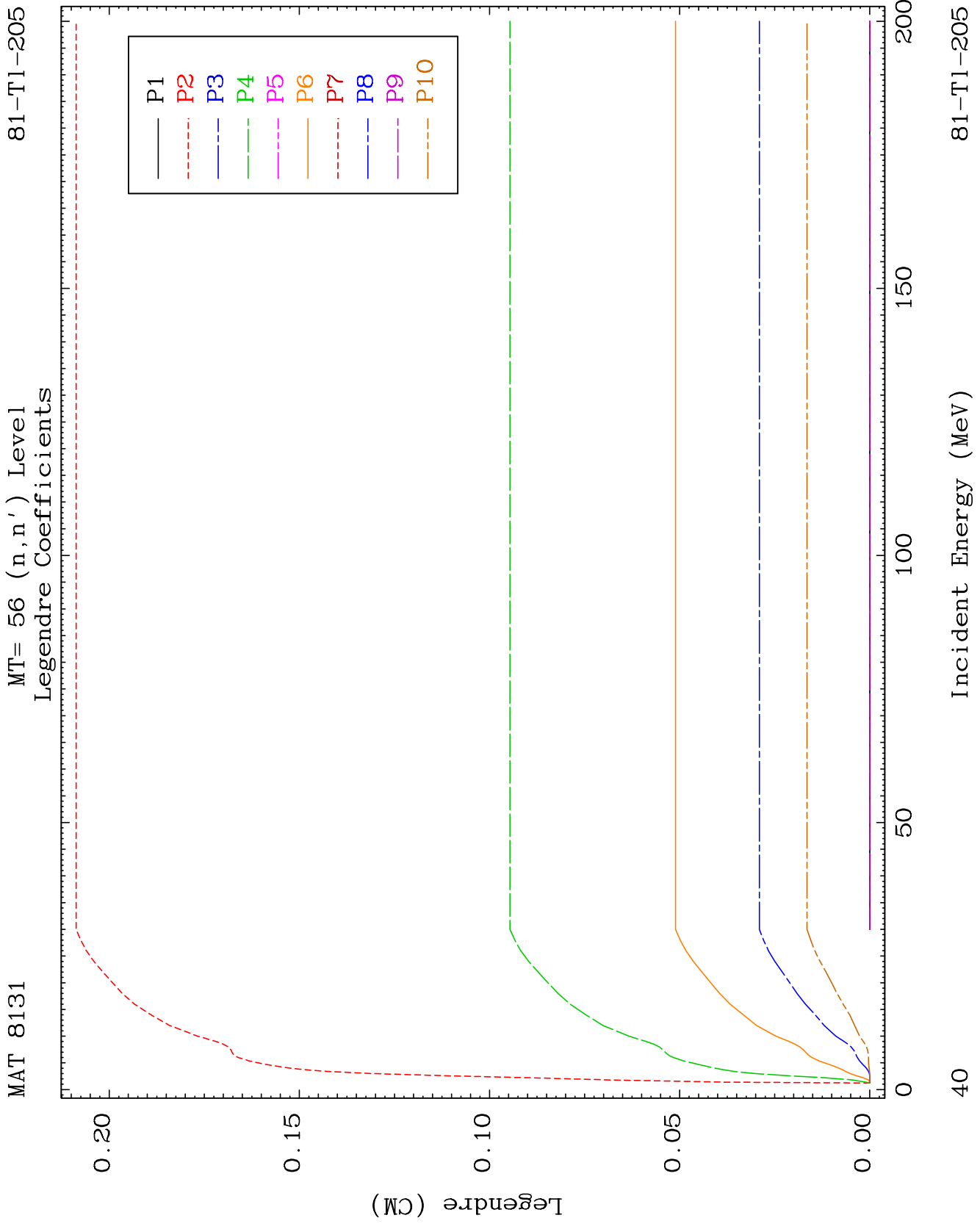


39

Incident Energy (MeV)

81-T1-205

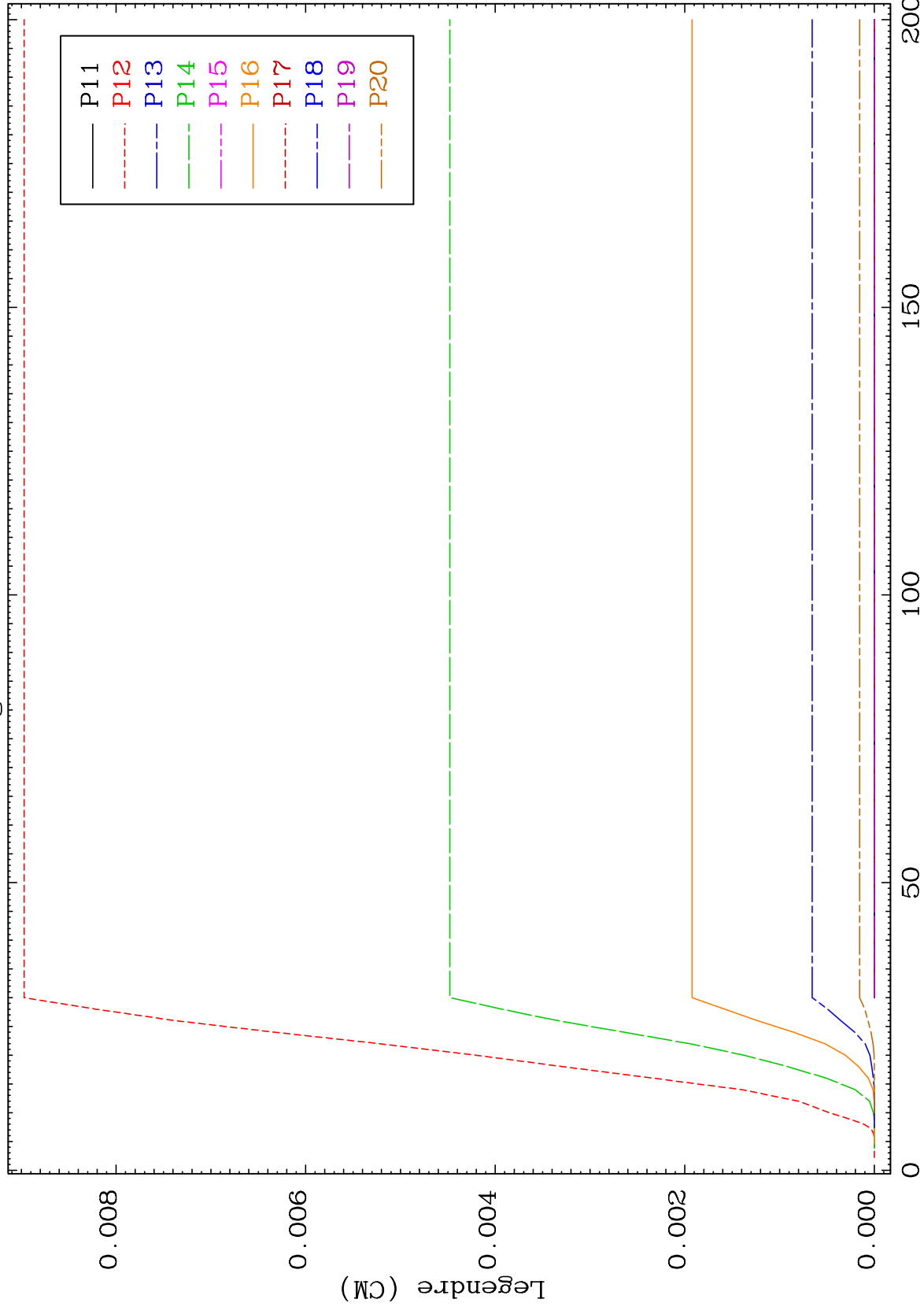




MAT 8131

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

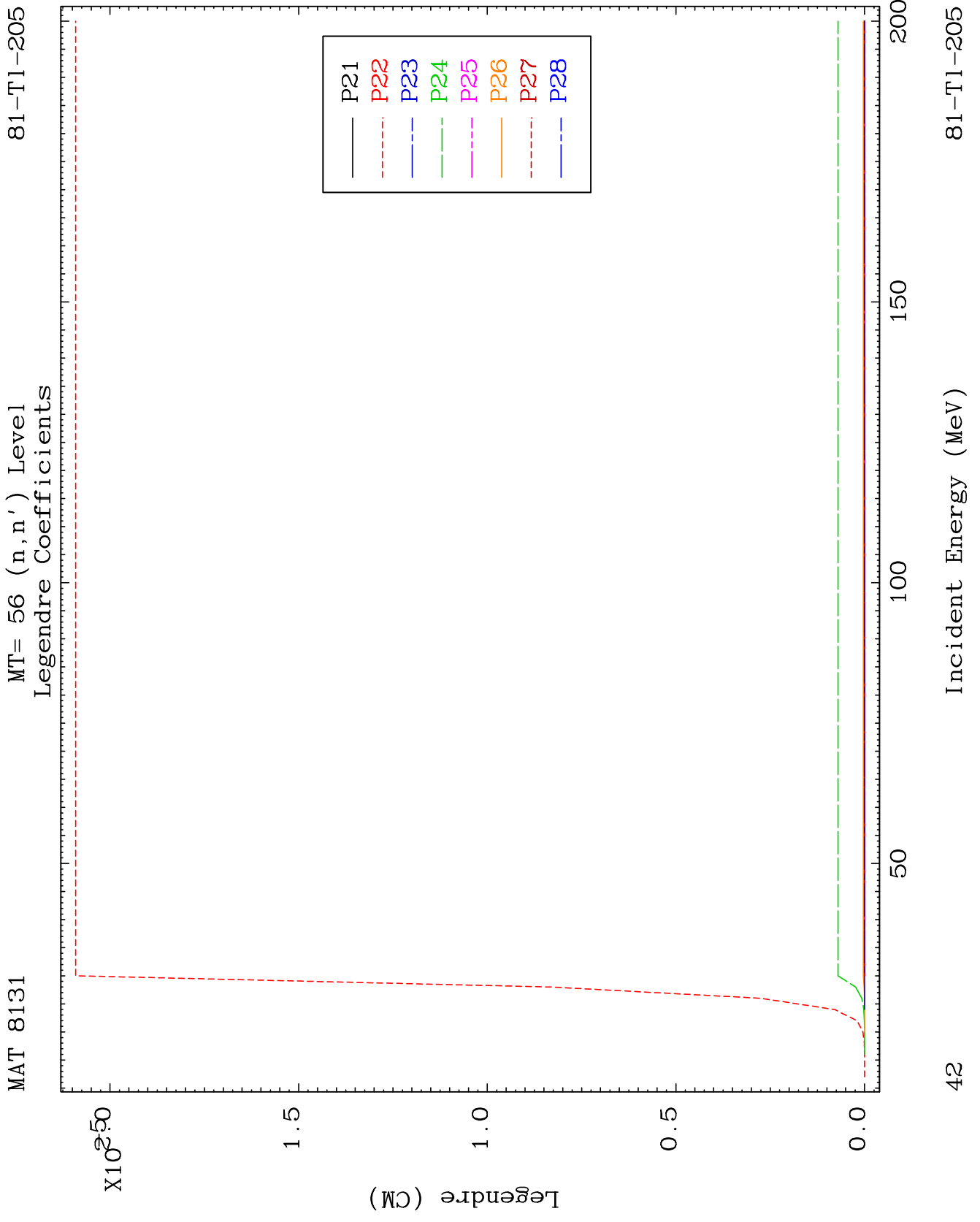
81-T1-205



41

Incident Energy (MeV)

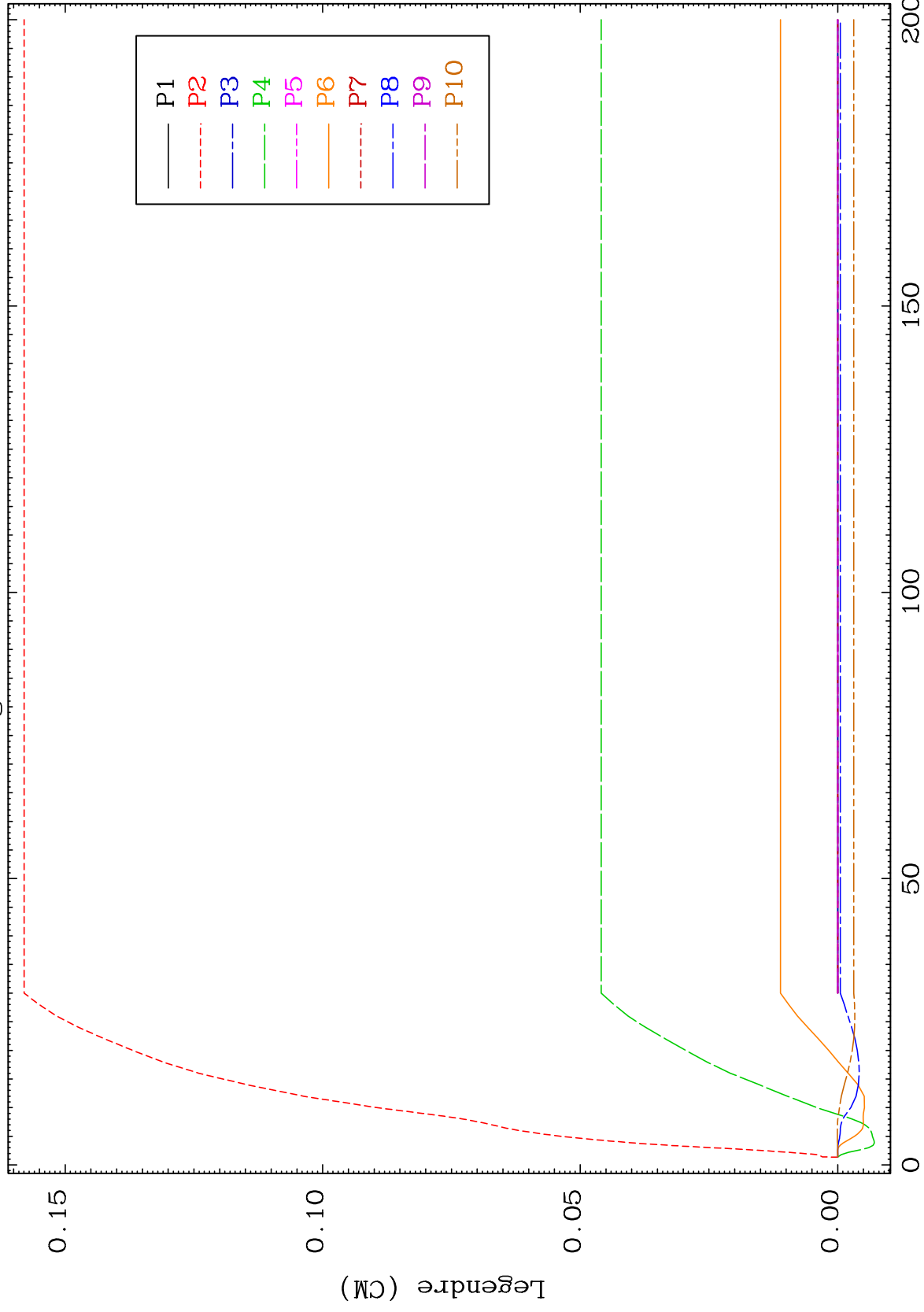
81-T1-205



MAT 8131

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

81-T1-205



43

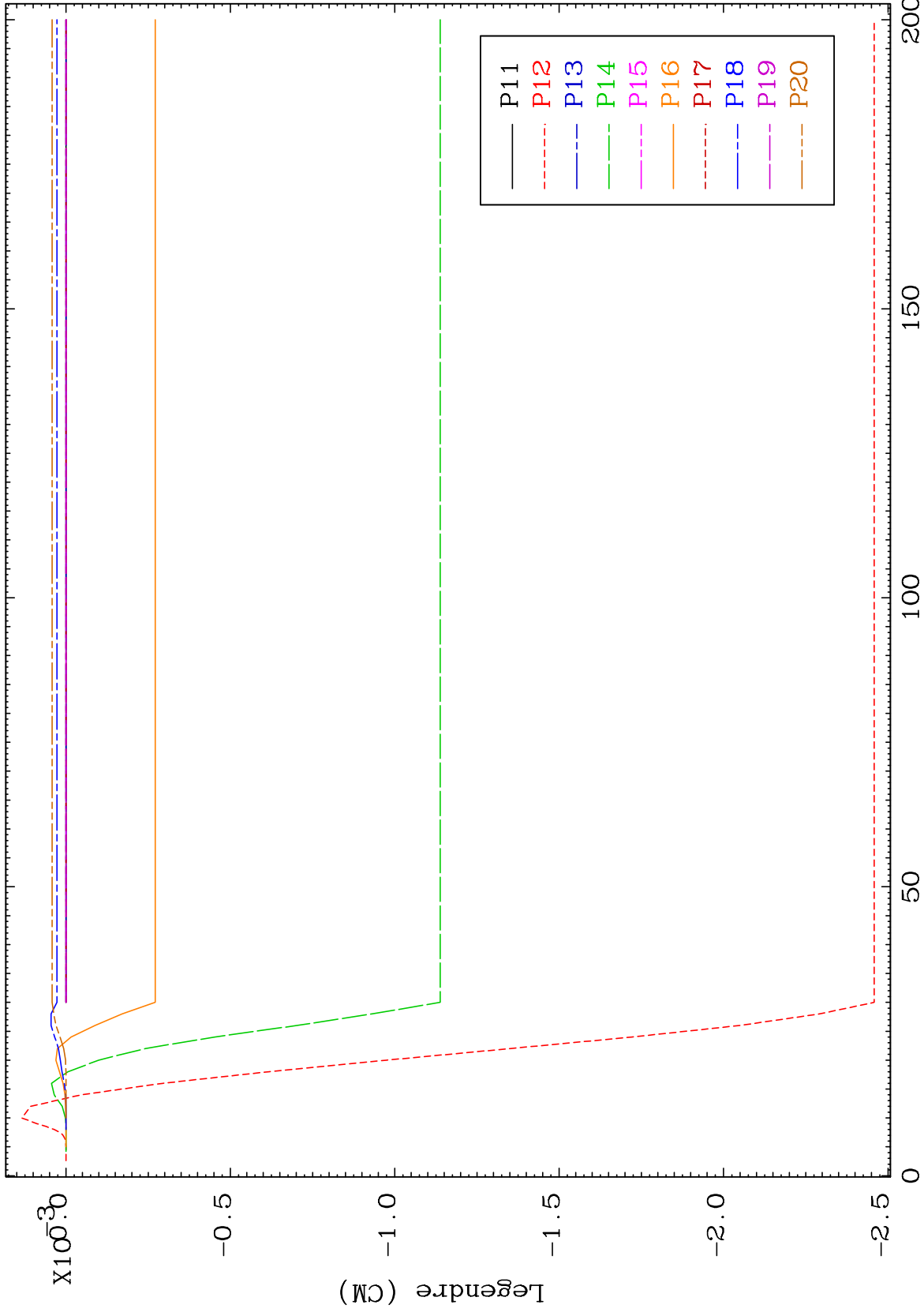
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205



44

Incident Energy (MeV)

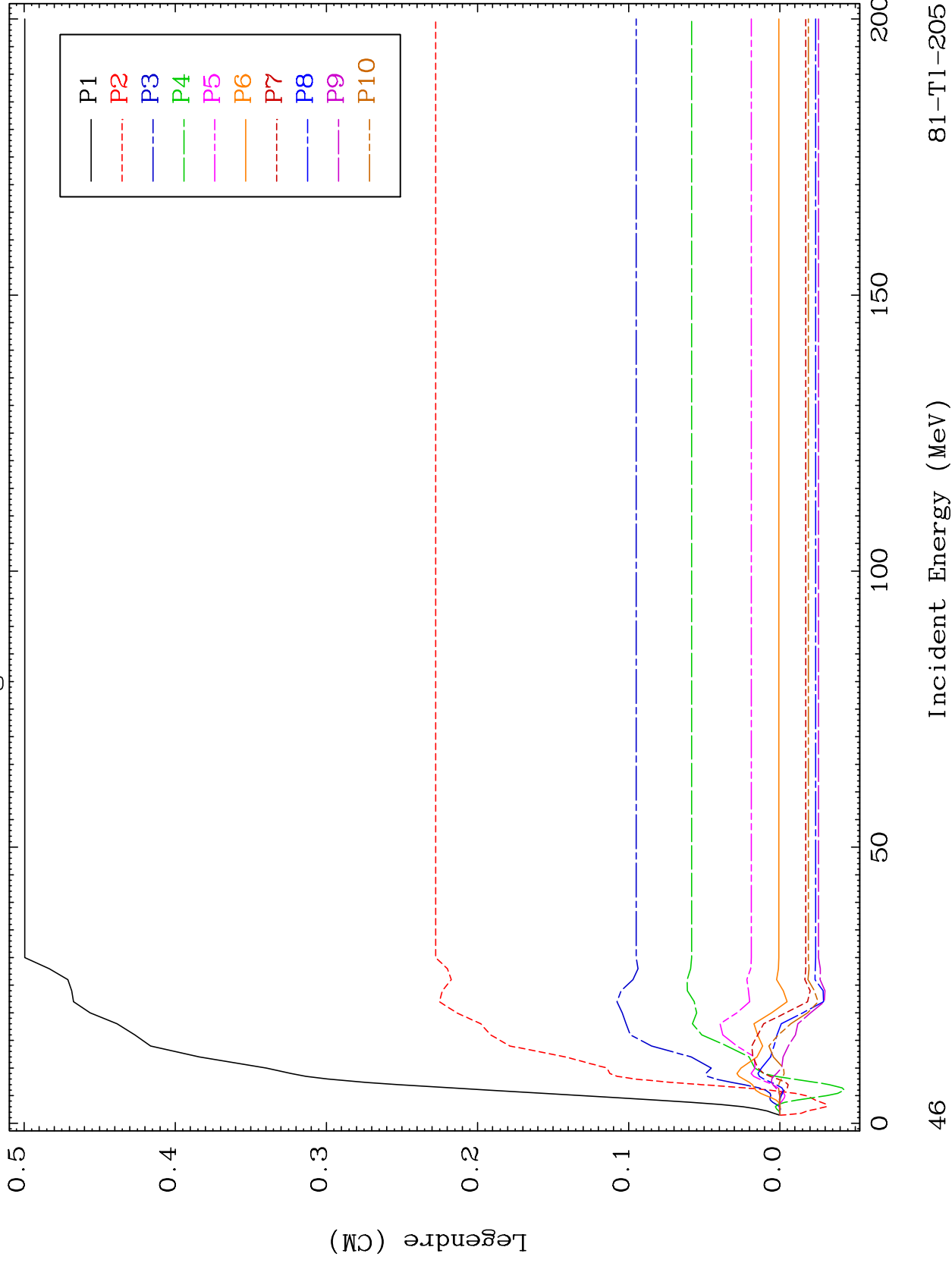
81-T1-205



MAT 8131

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

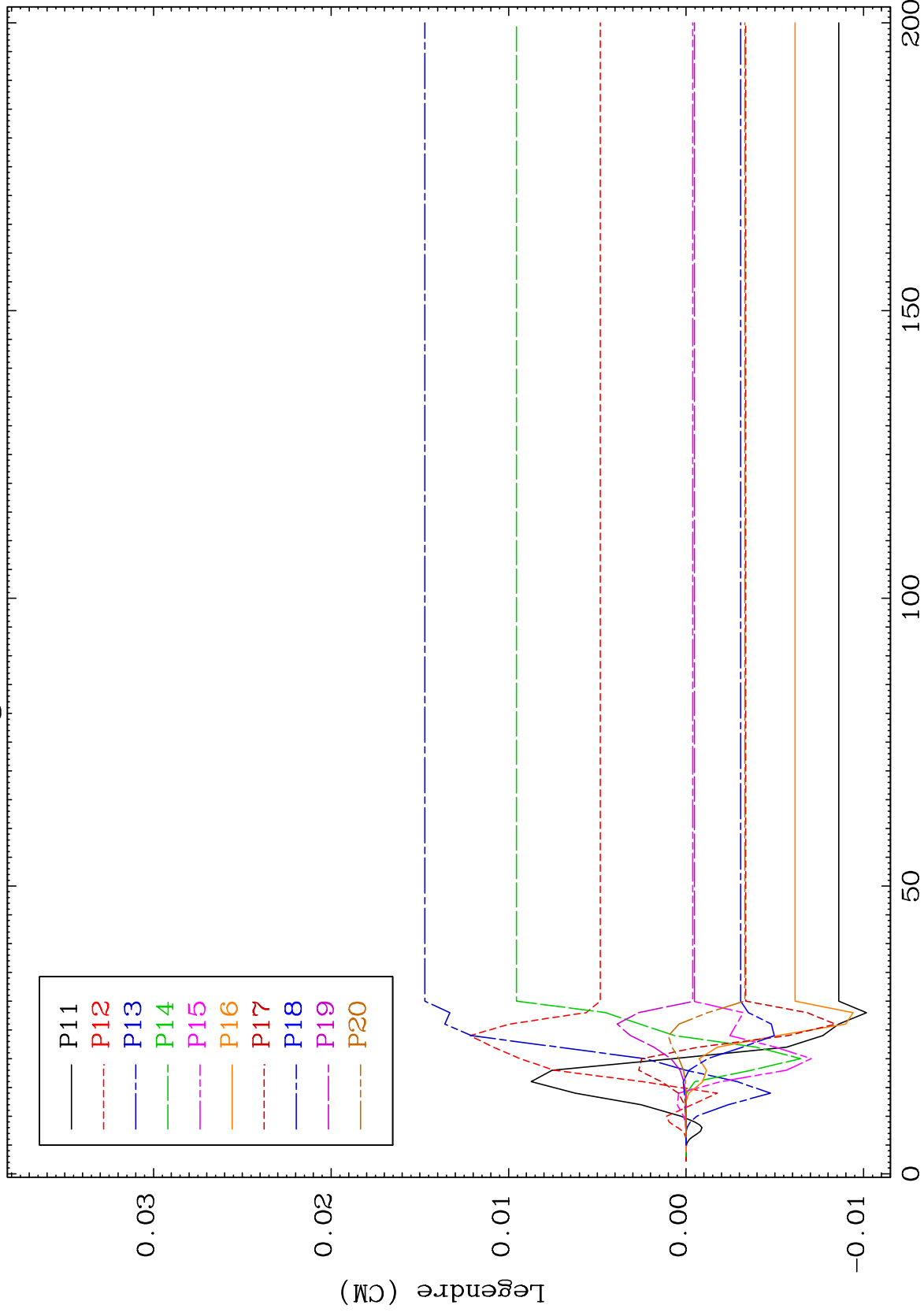
81-T1-205



MAT 8131

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

81-T1-205



47

Incident Energy (MeV)

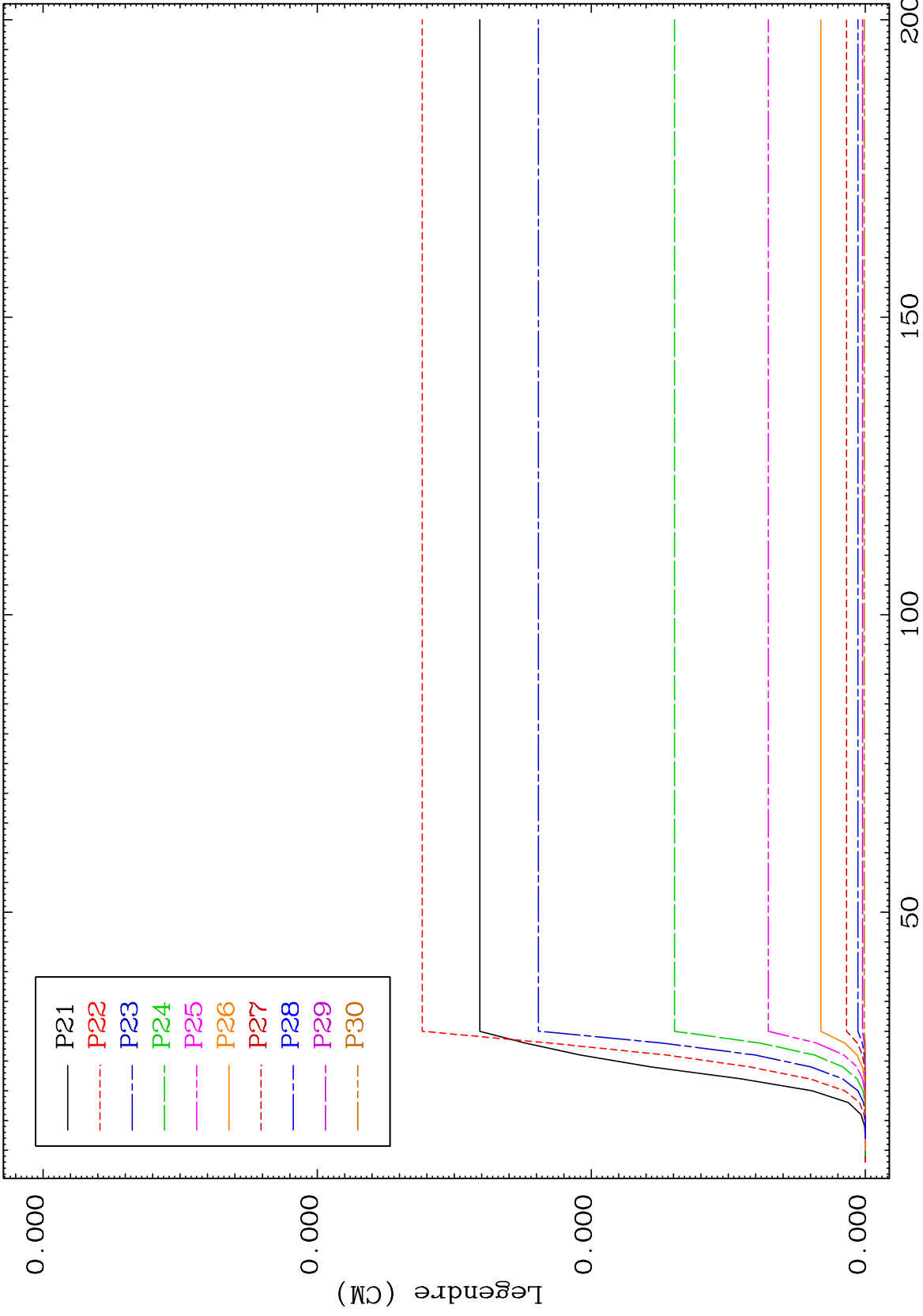
81-T1-205



MAT 8131

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

81-T1-205



48

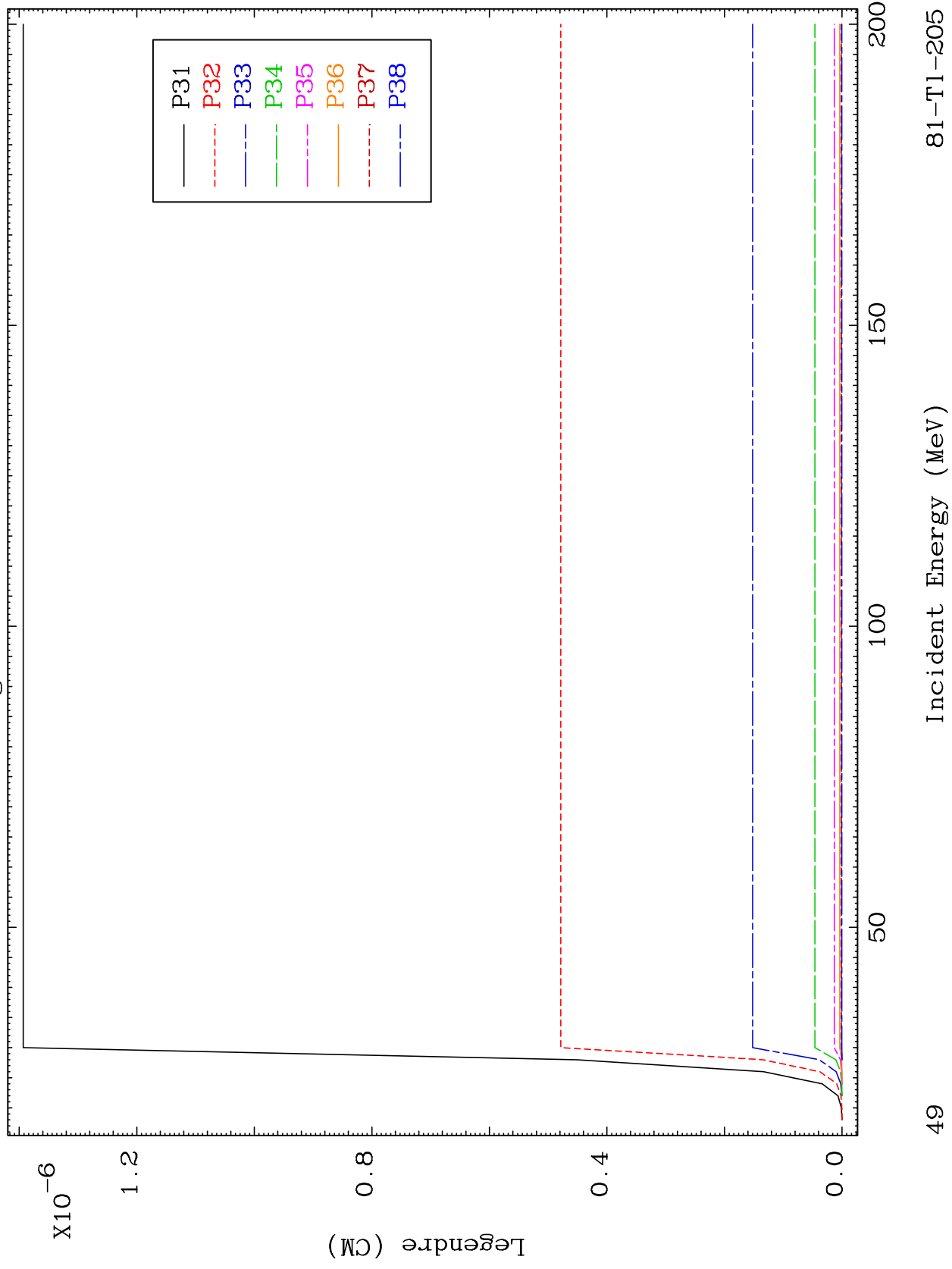
Incident Energy (MeV)

81-T1-205

MAT 8131

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

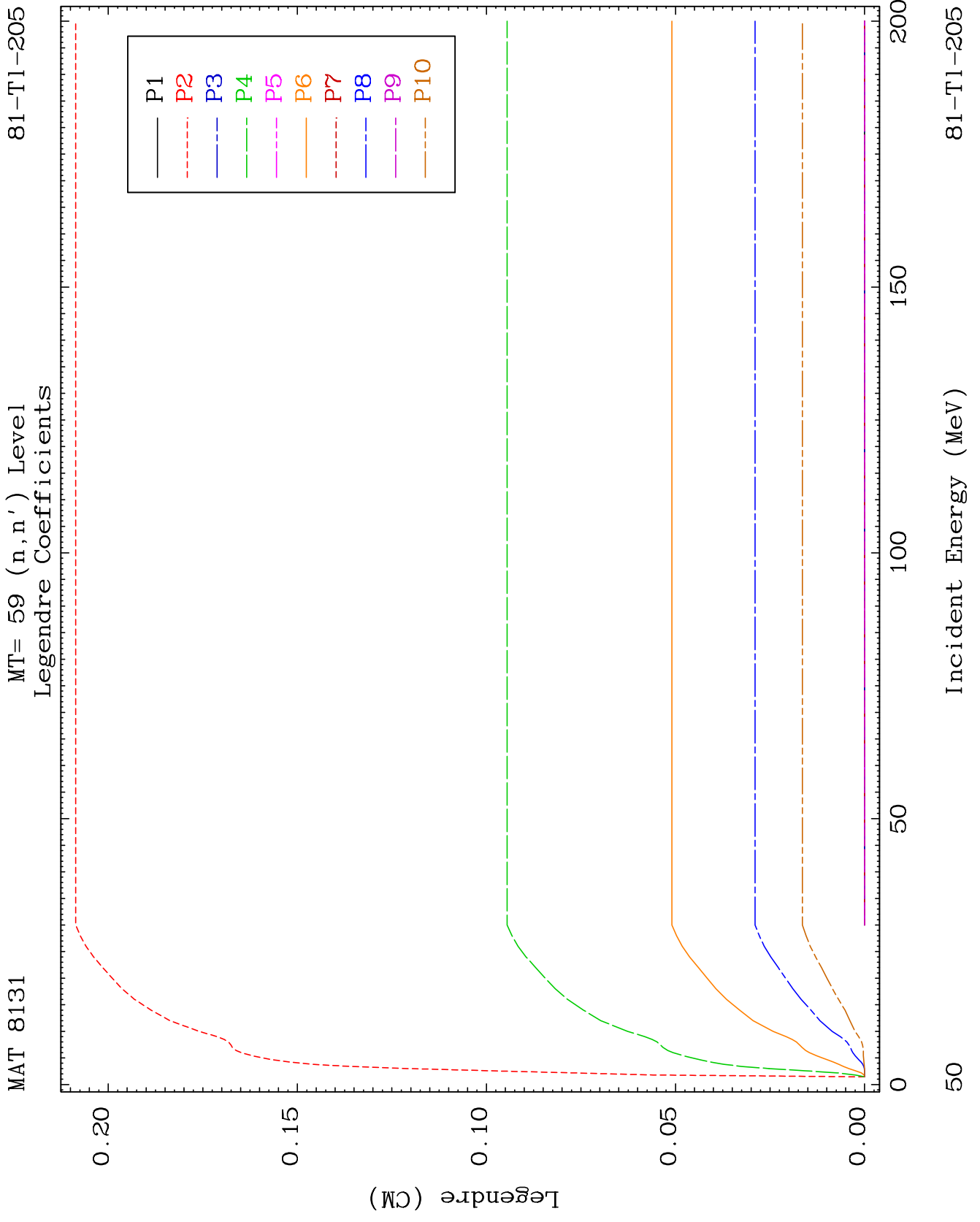
81-T1-205



49

Incident Energy (MeV)

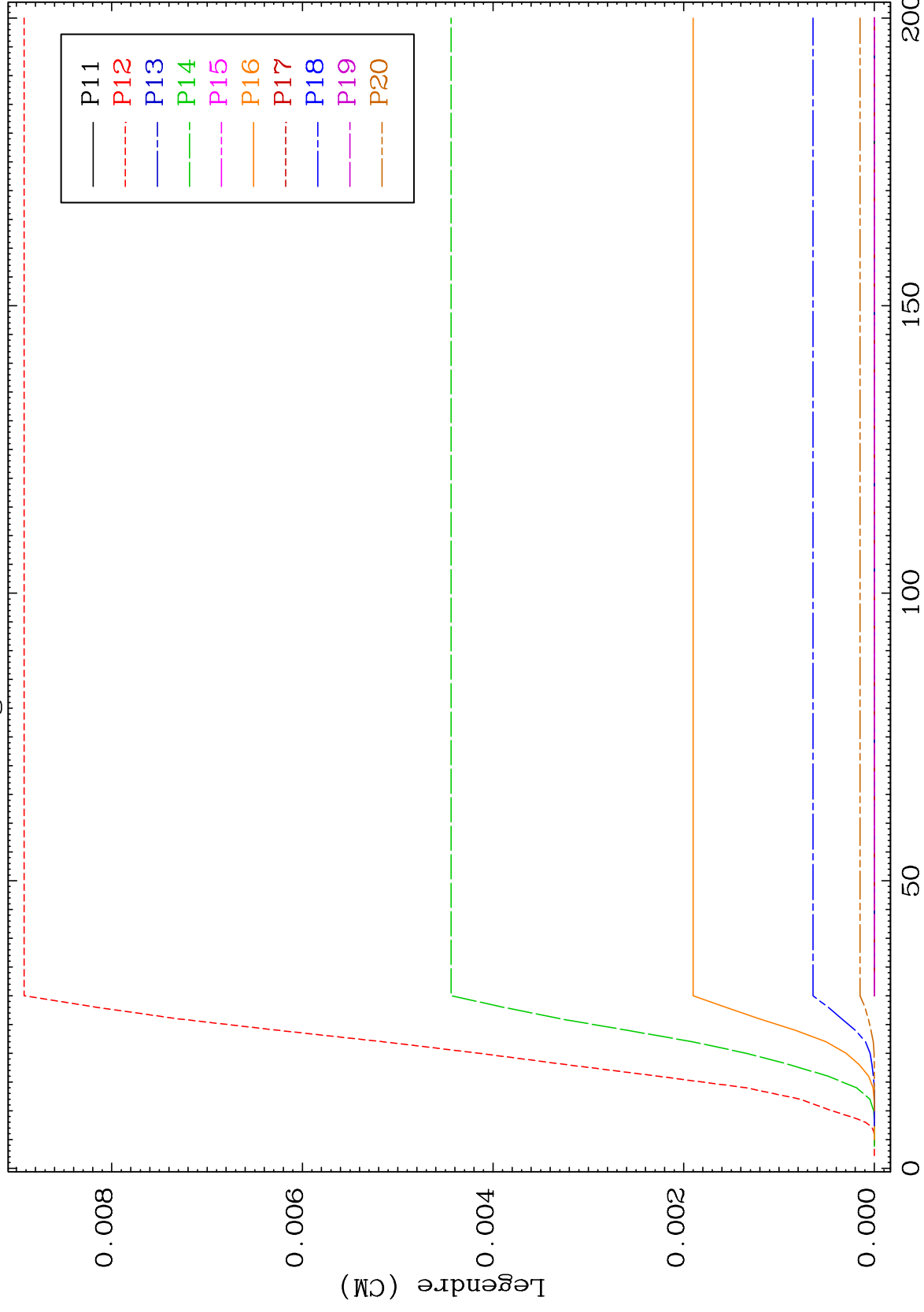
81-T1-205



MAT 8131

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

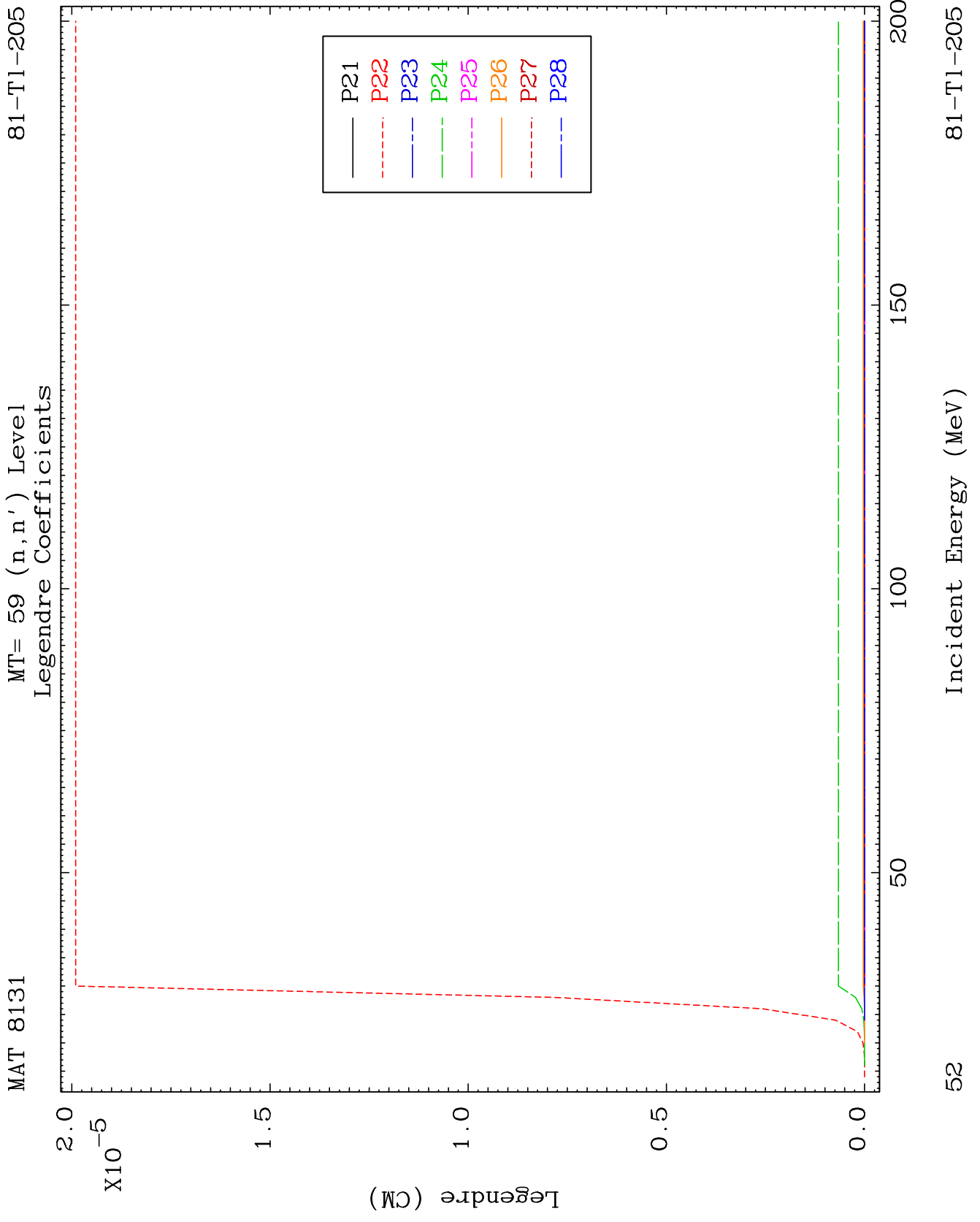
81-T1-205



51

Incident Energy (MeV)

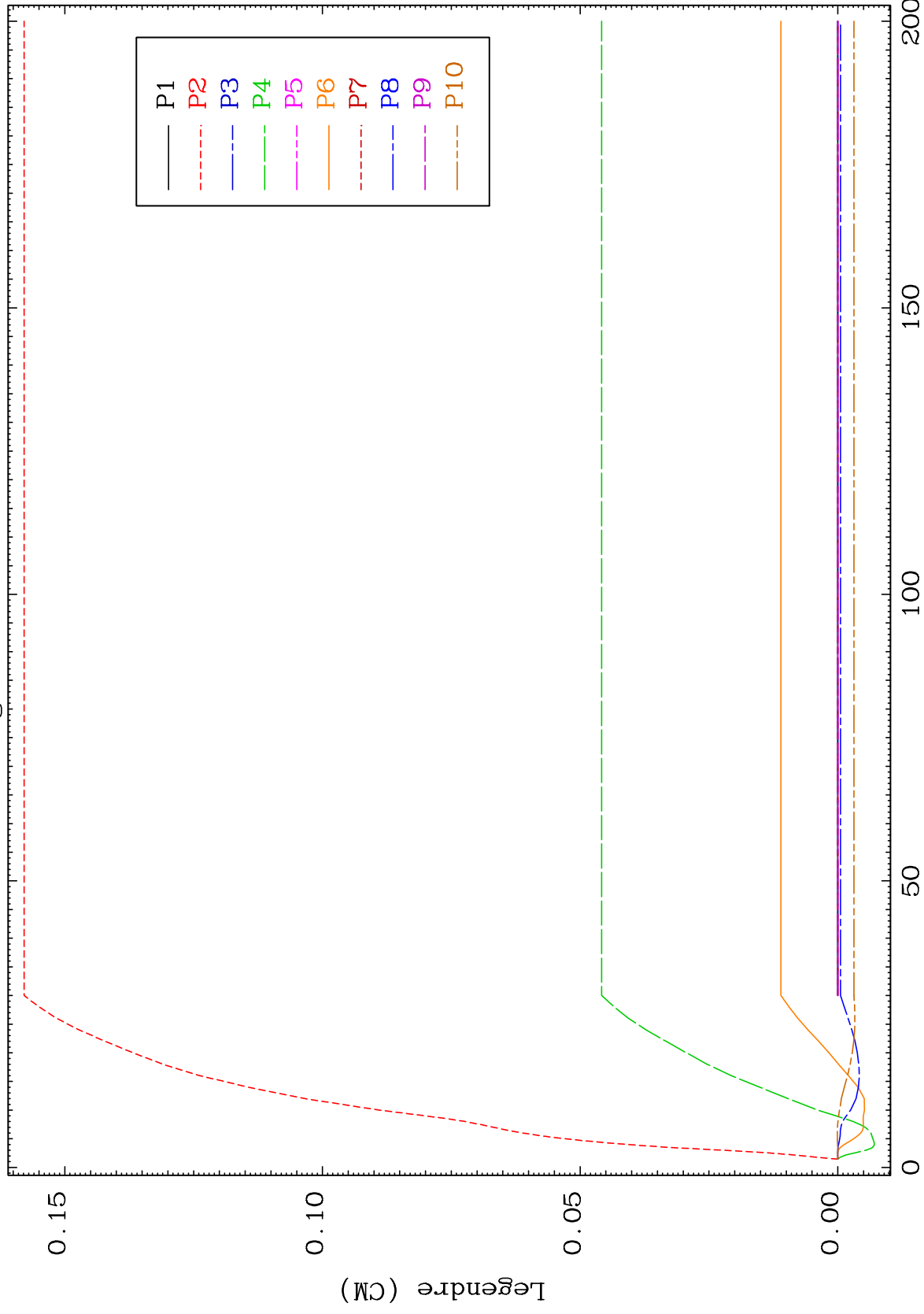
81-T1-205



MAT 8131

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

81-T1-205



53

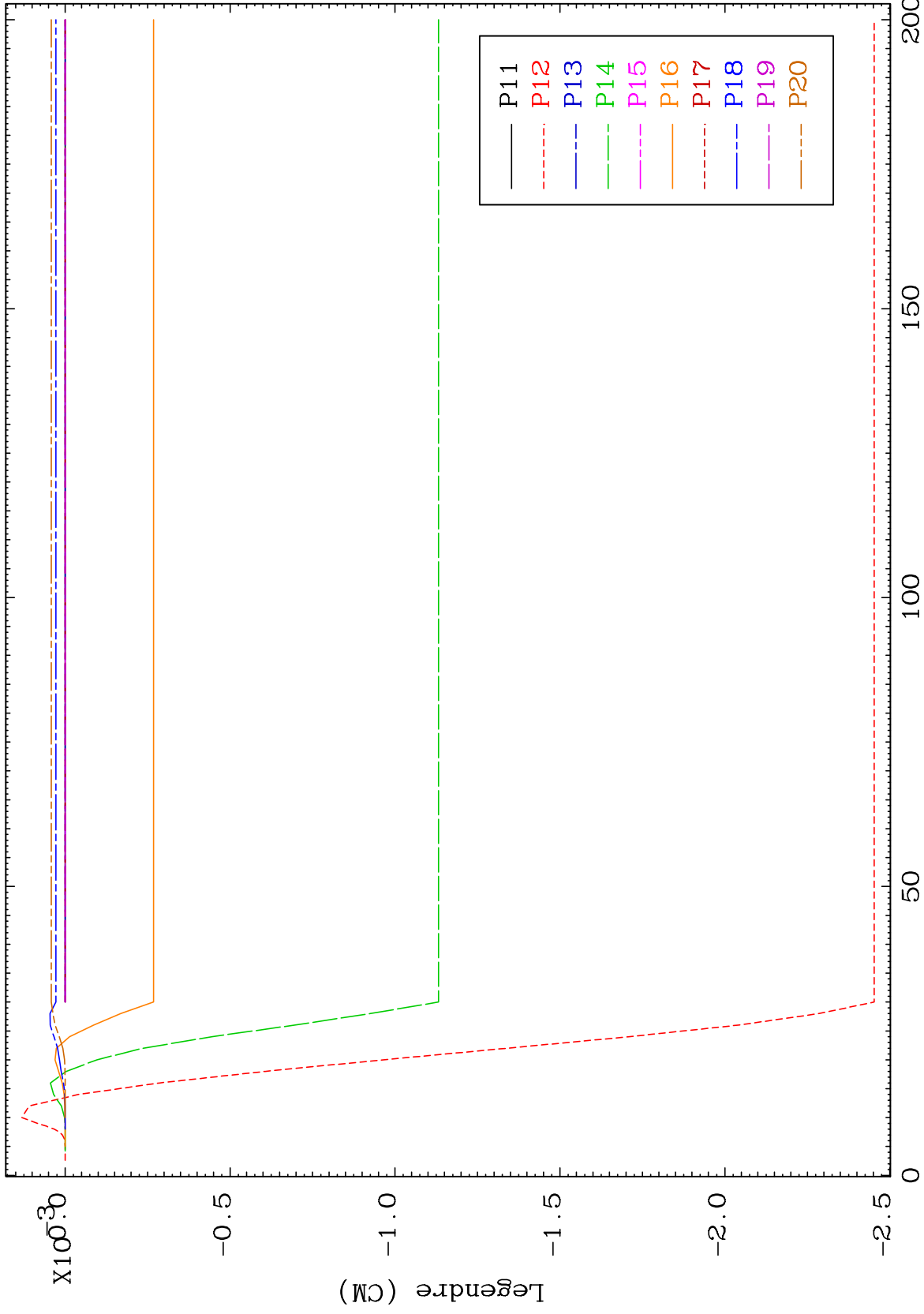
Incident Energy (MeV)

81-T1-205

MAT 8131

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

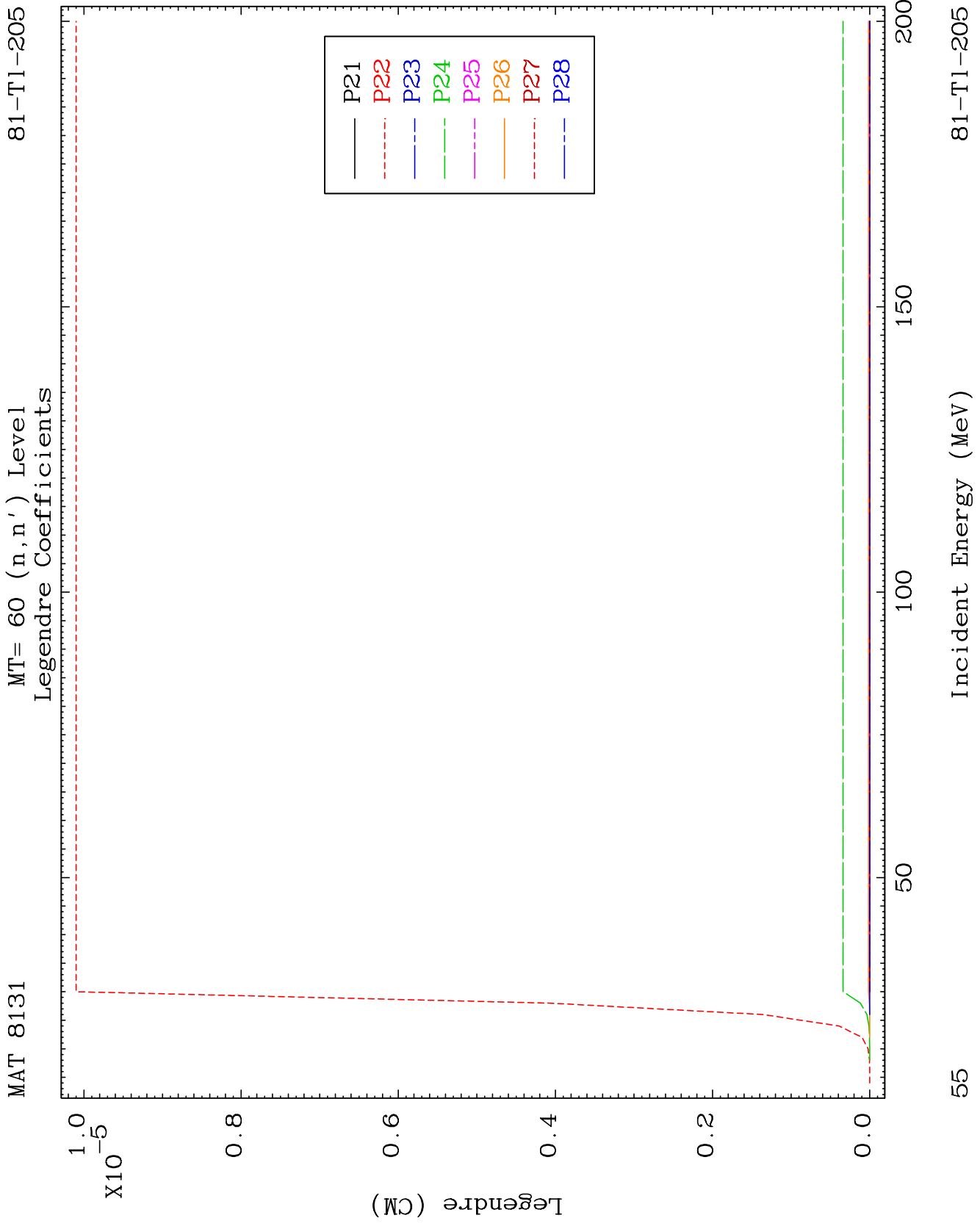
81-T1-205



54

Incident Energy (MeV)

81-T1-205

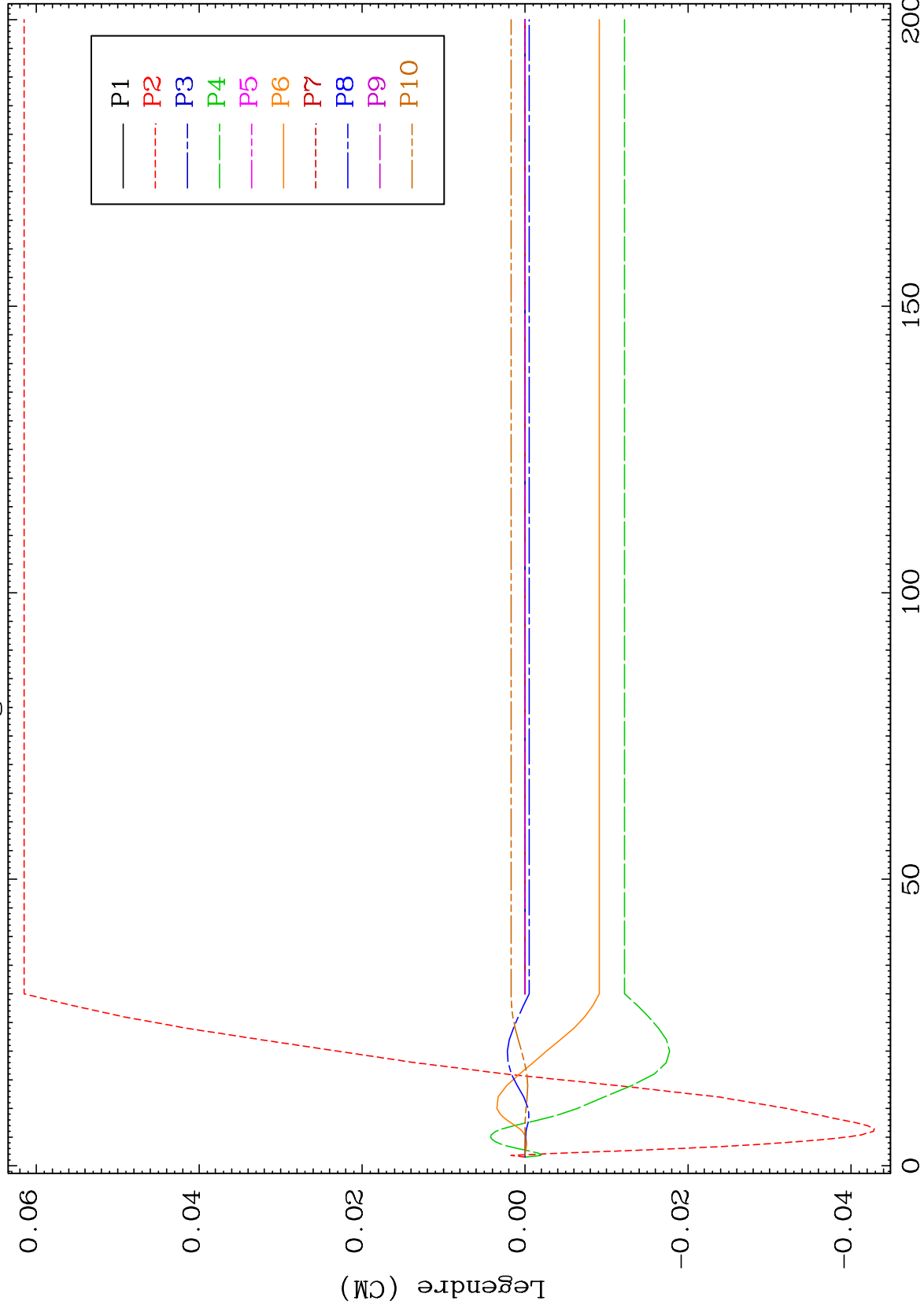




MAT 8131

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

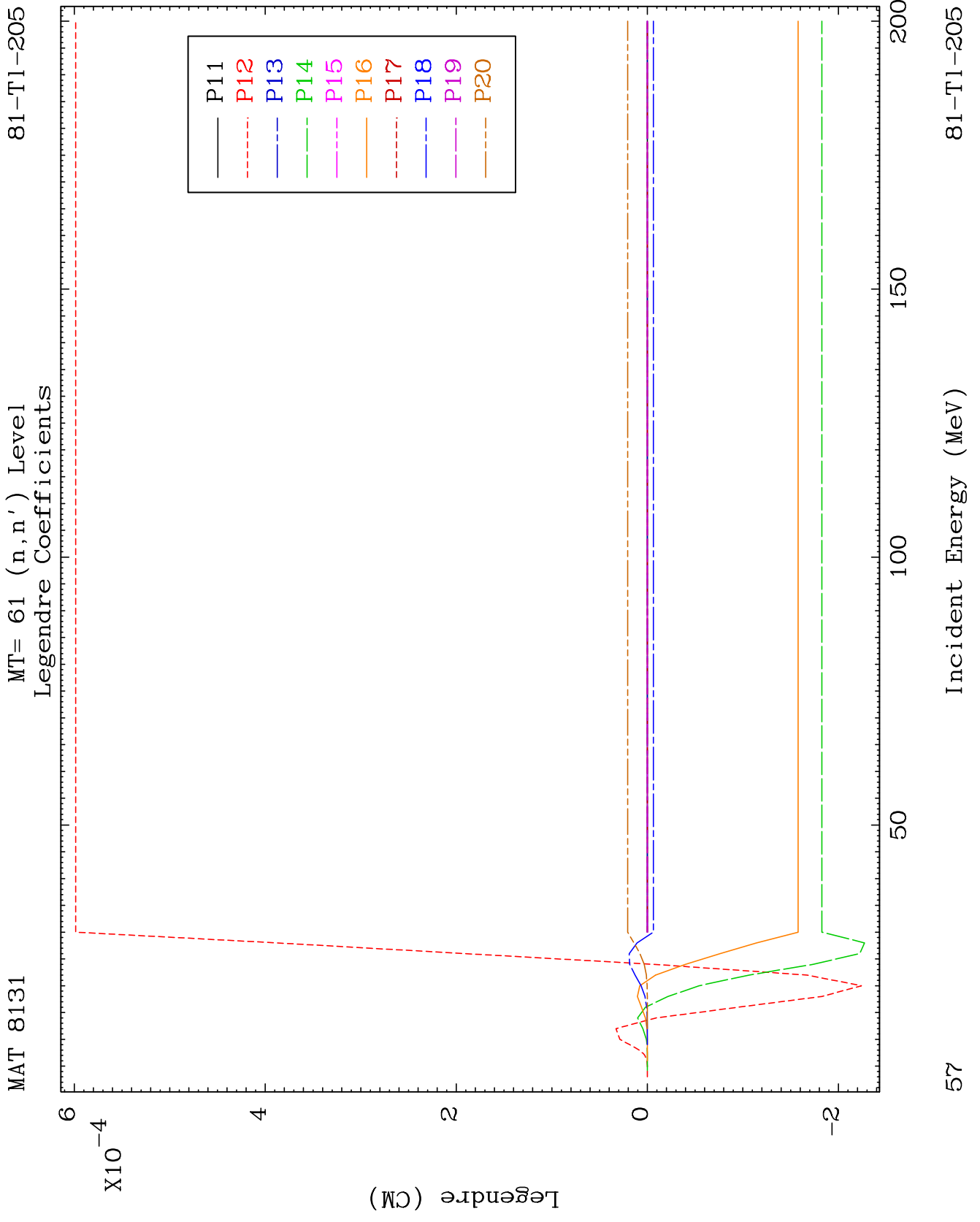
81-T1-205



81-T1-205

Incident Energy (MeV)

56

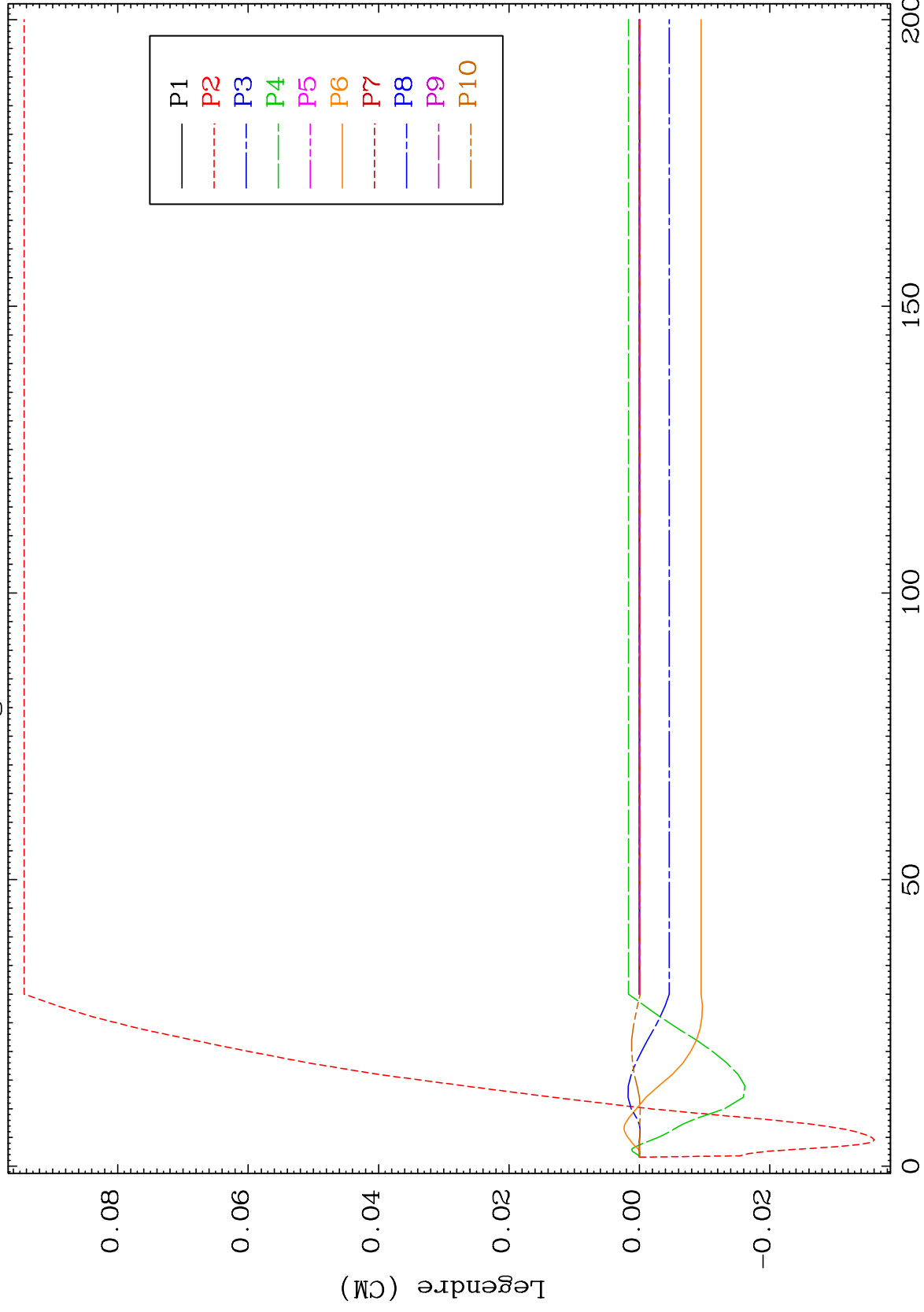




MAT 8131

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

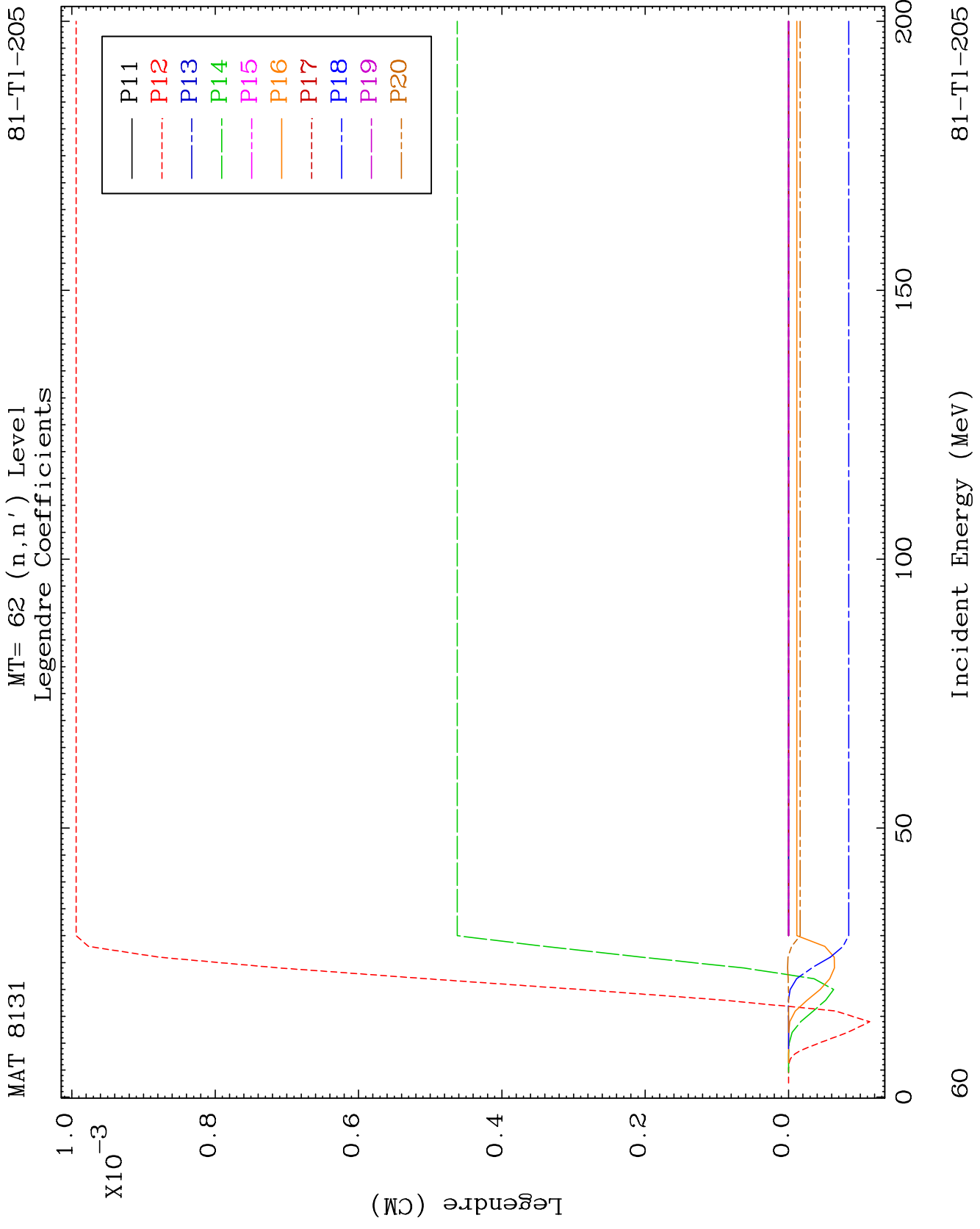
81-T1-205



59

Incident Energy (MeV)

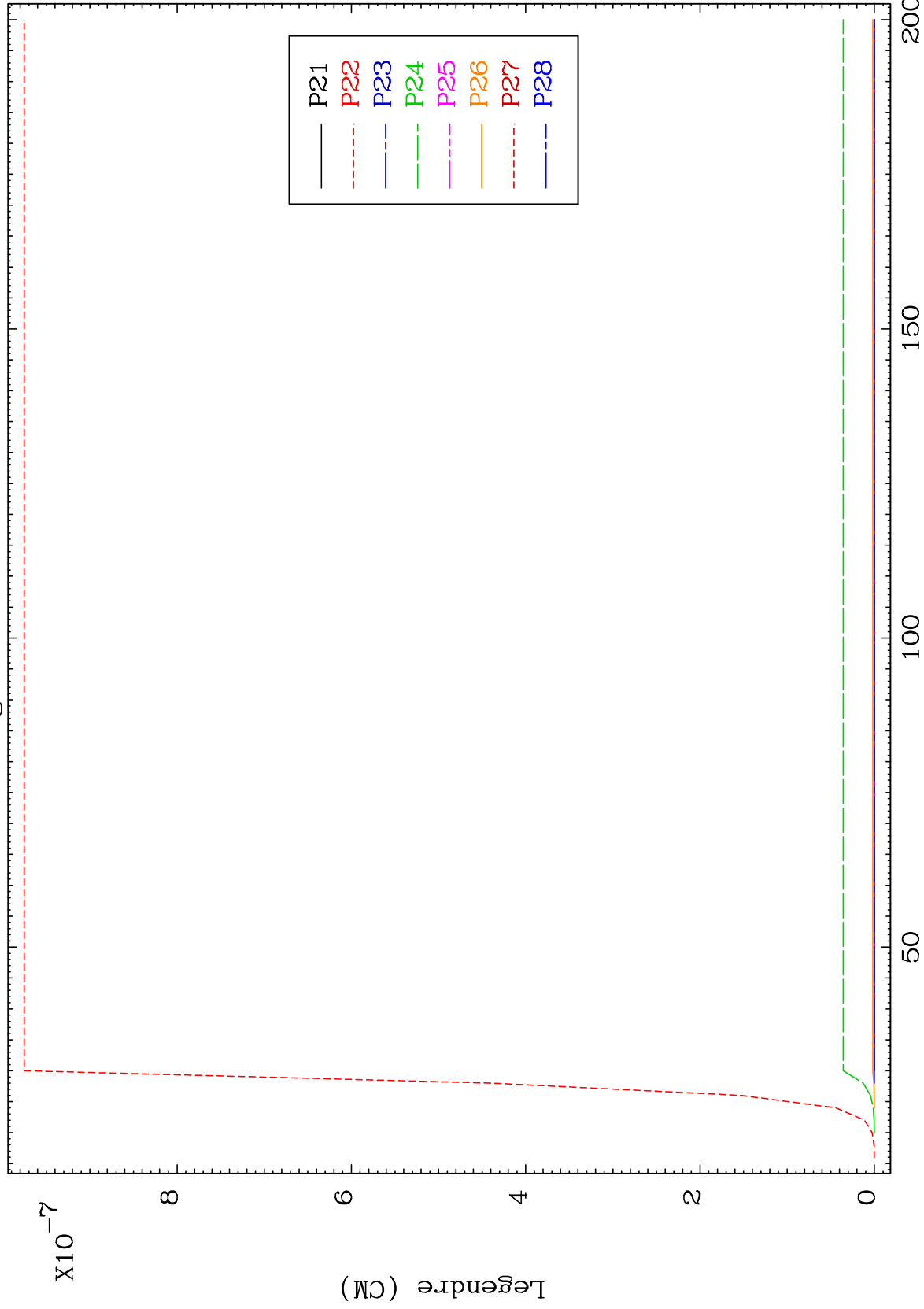
81-T1-205



MAT 8131

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

81-T1-205



61

Incident Energy (MeV)

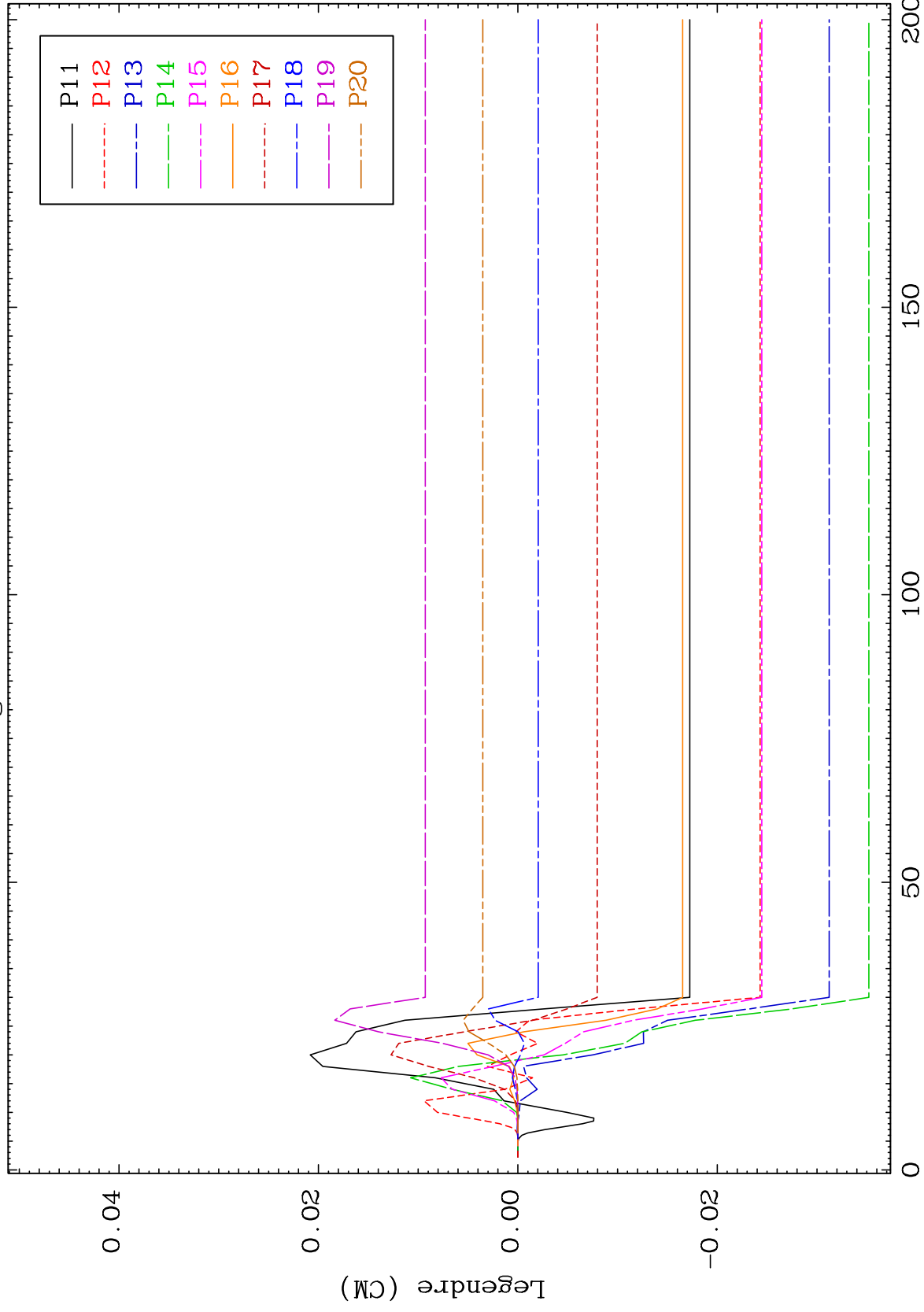
81-T1-205



MAT 8131

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

81-T1-205



63

Incident Energy (MeV)

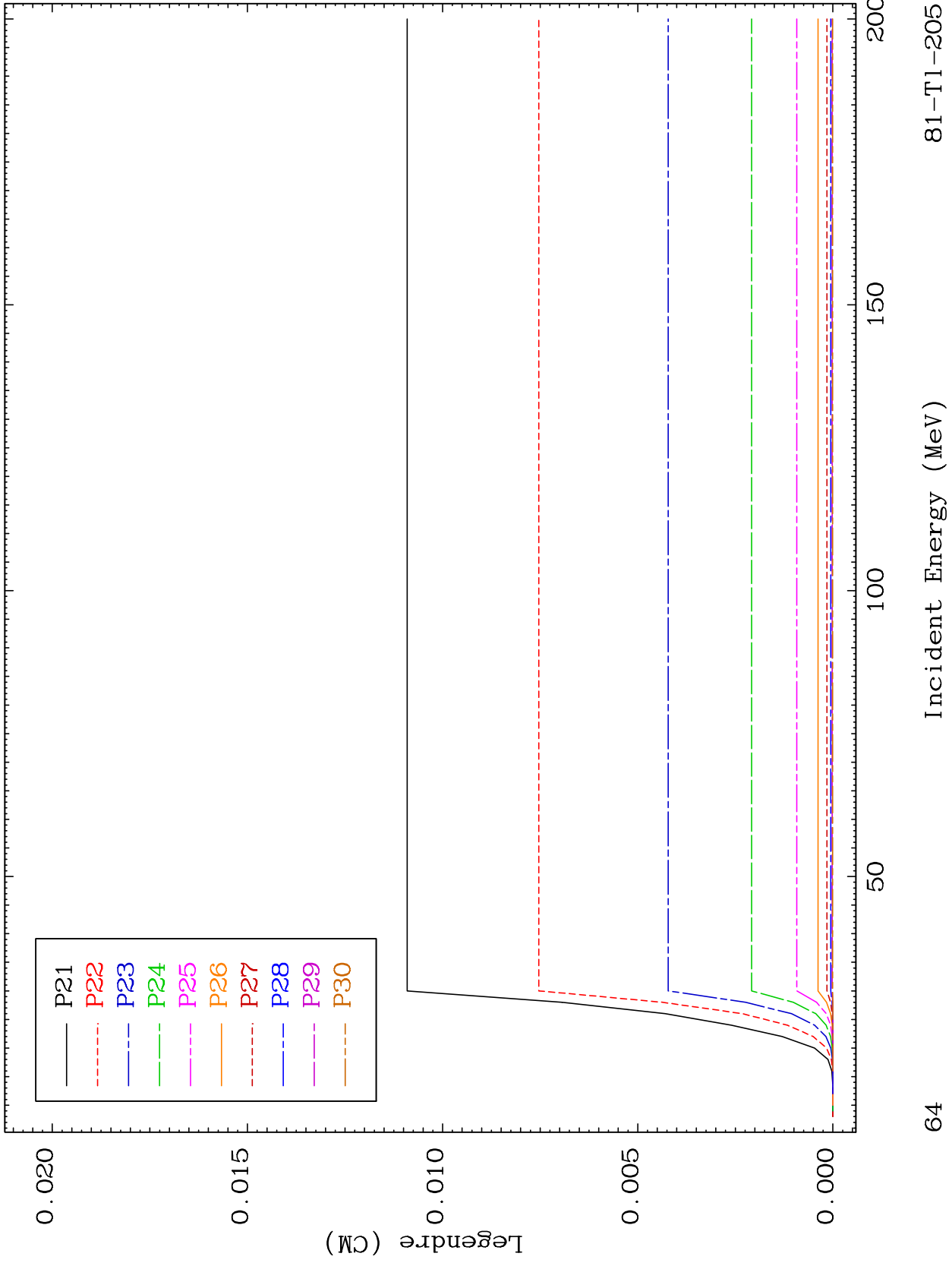
81-T1-205



MAT 8131

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

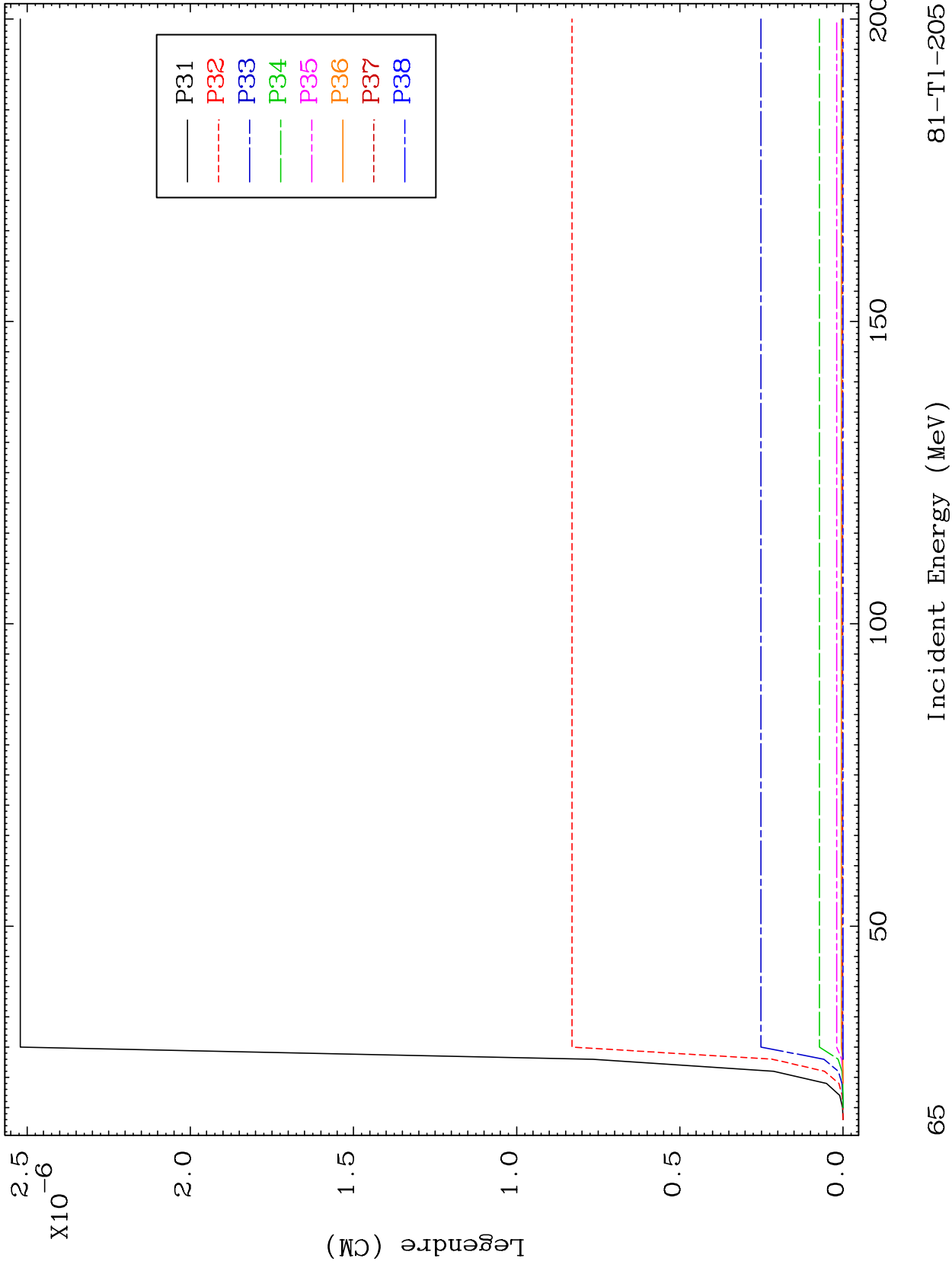
81-Tl-205



MAT 8131

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

81-T1-205



65

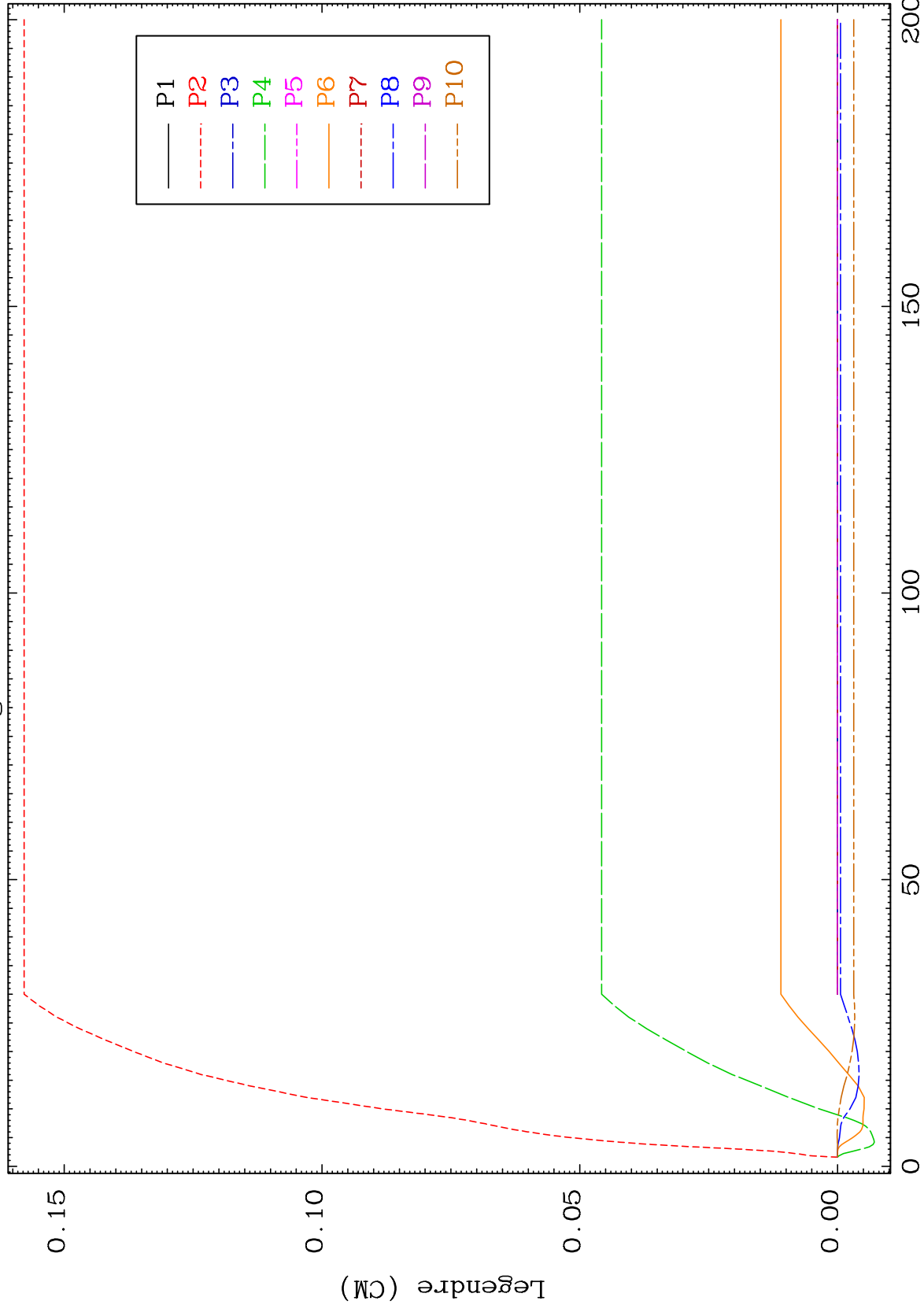
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205



66

Incident Energy (MeV)

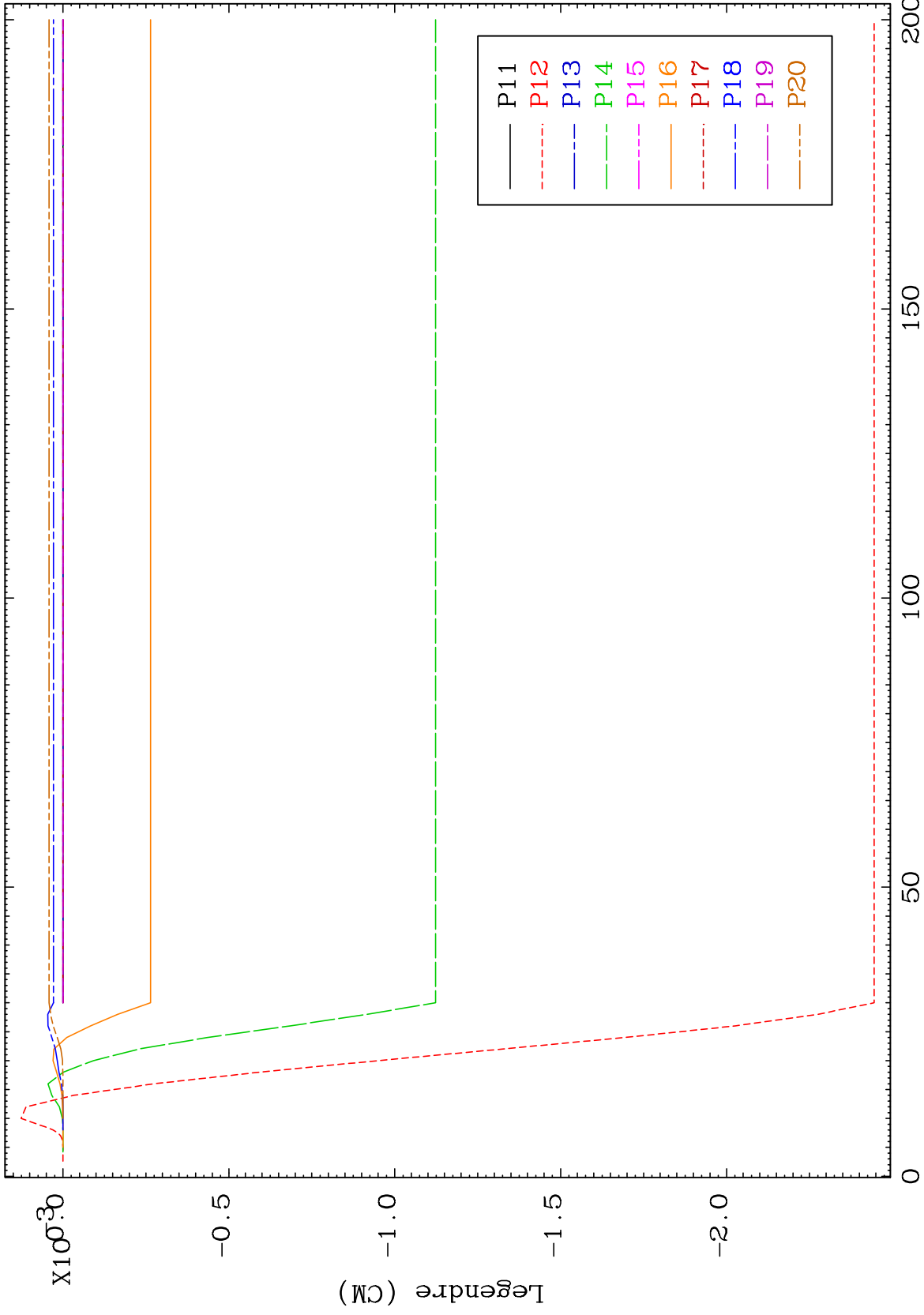
81-T1-205

MAT 8131

MT= 64 (n,n') Level

81-T1-205

Legendre Coefficients



67

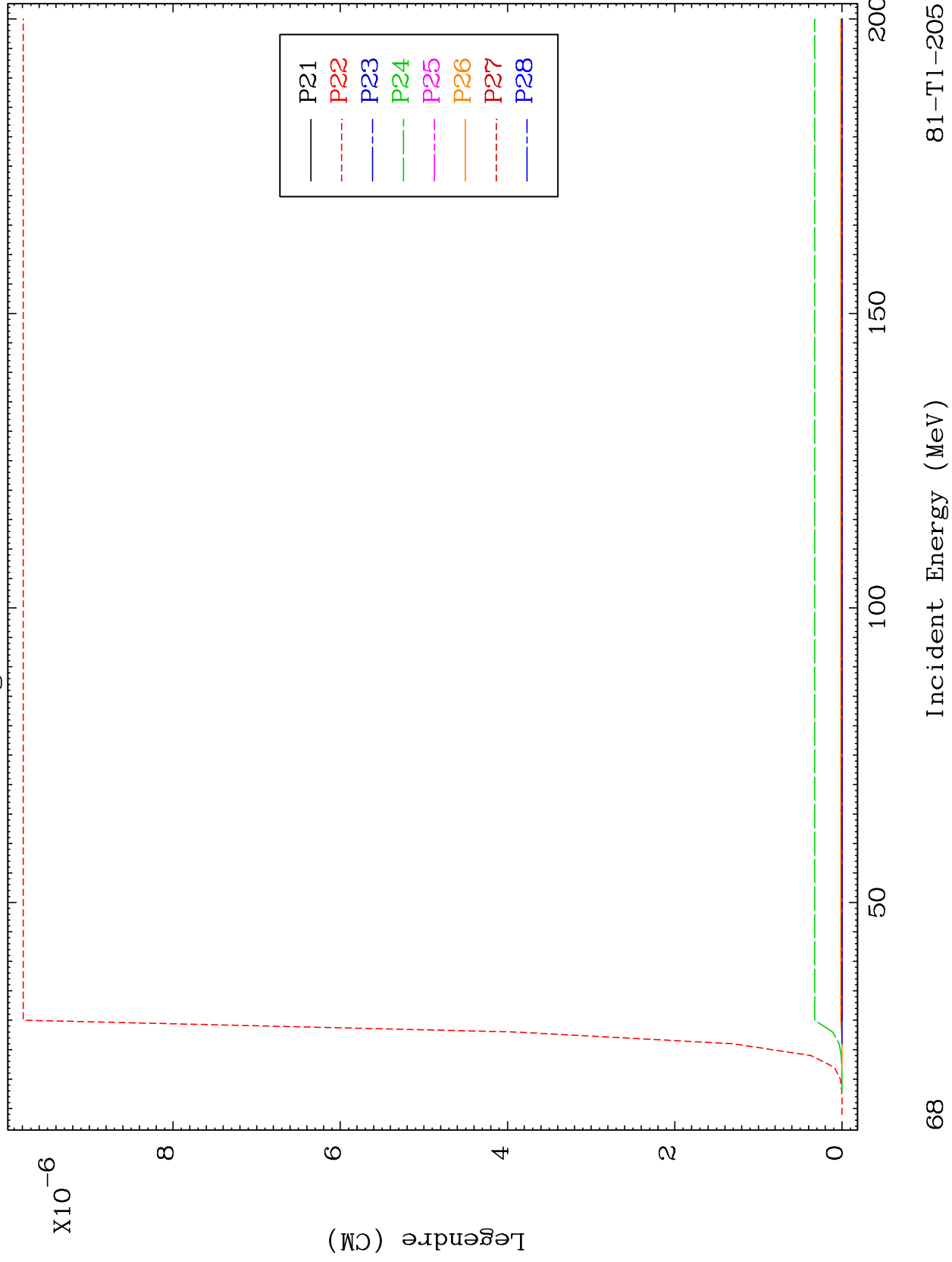
Incident Energy (MeV)

81-T1-205

MAT 8131

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

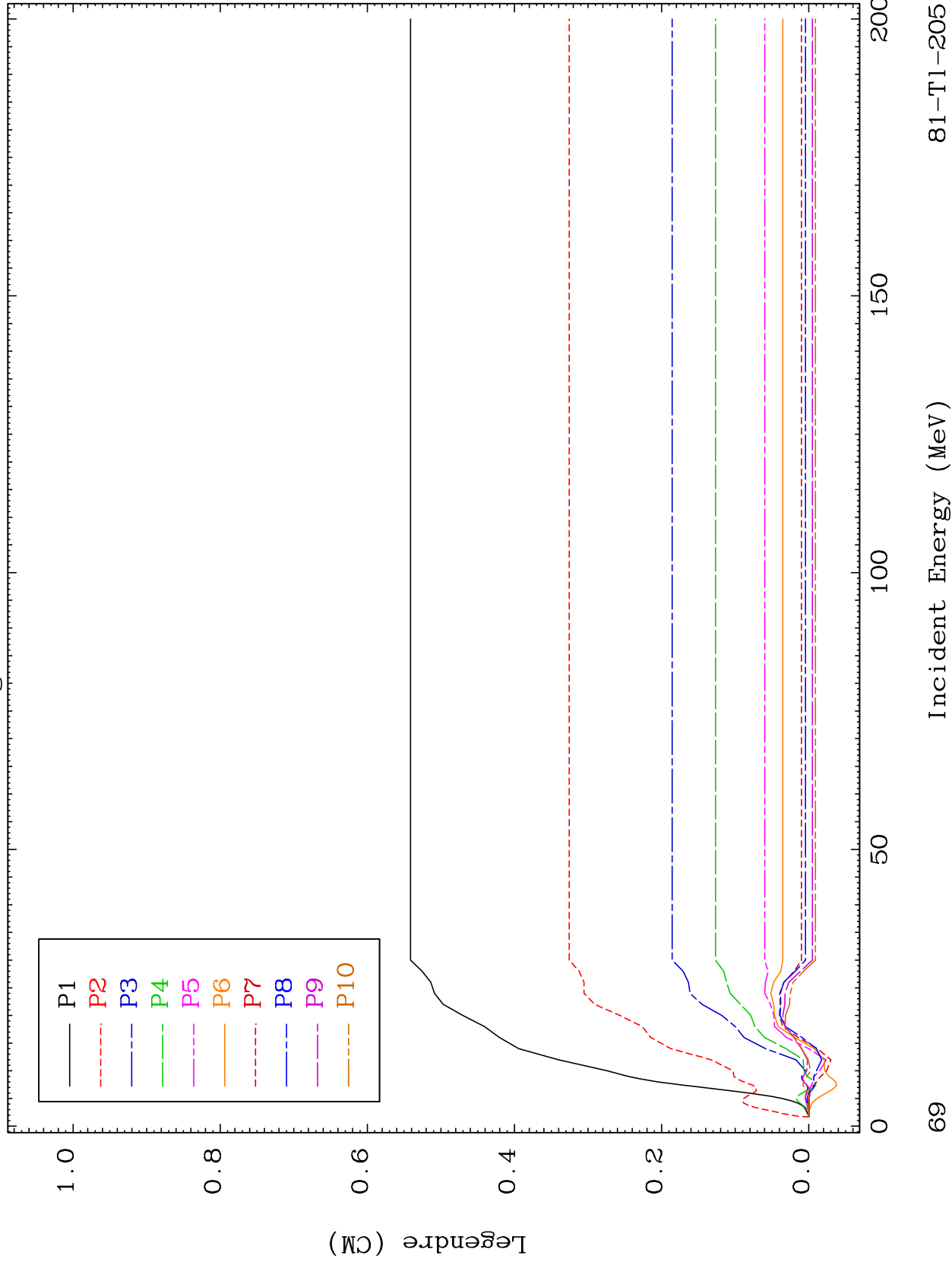
81-T1-205



MAT 8131

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

81-T1-205



69

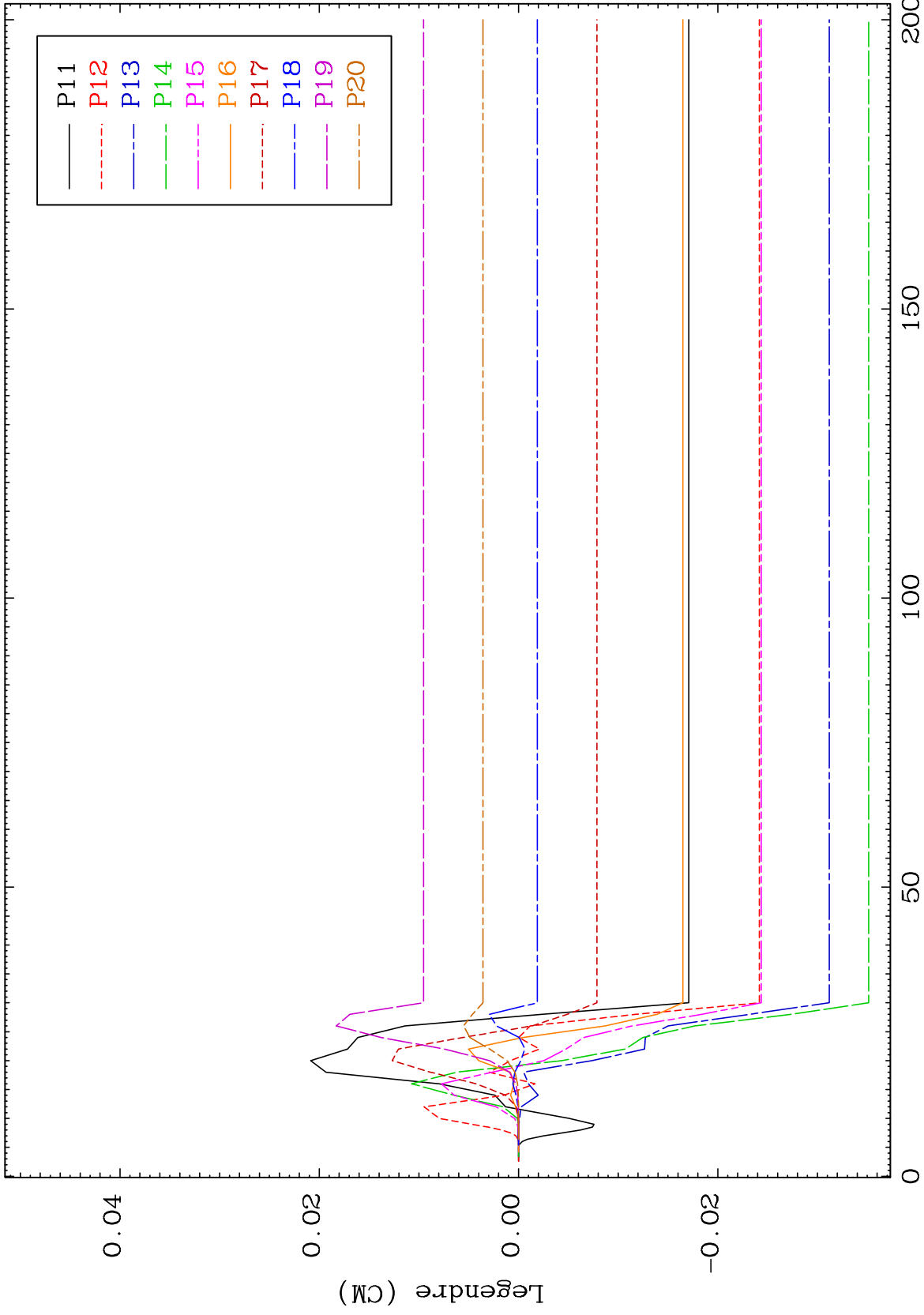
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205



70

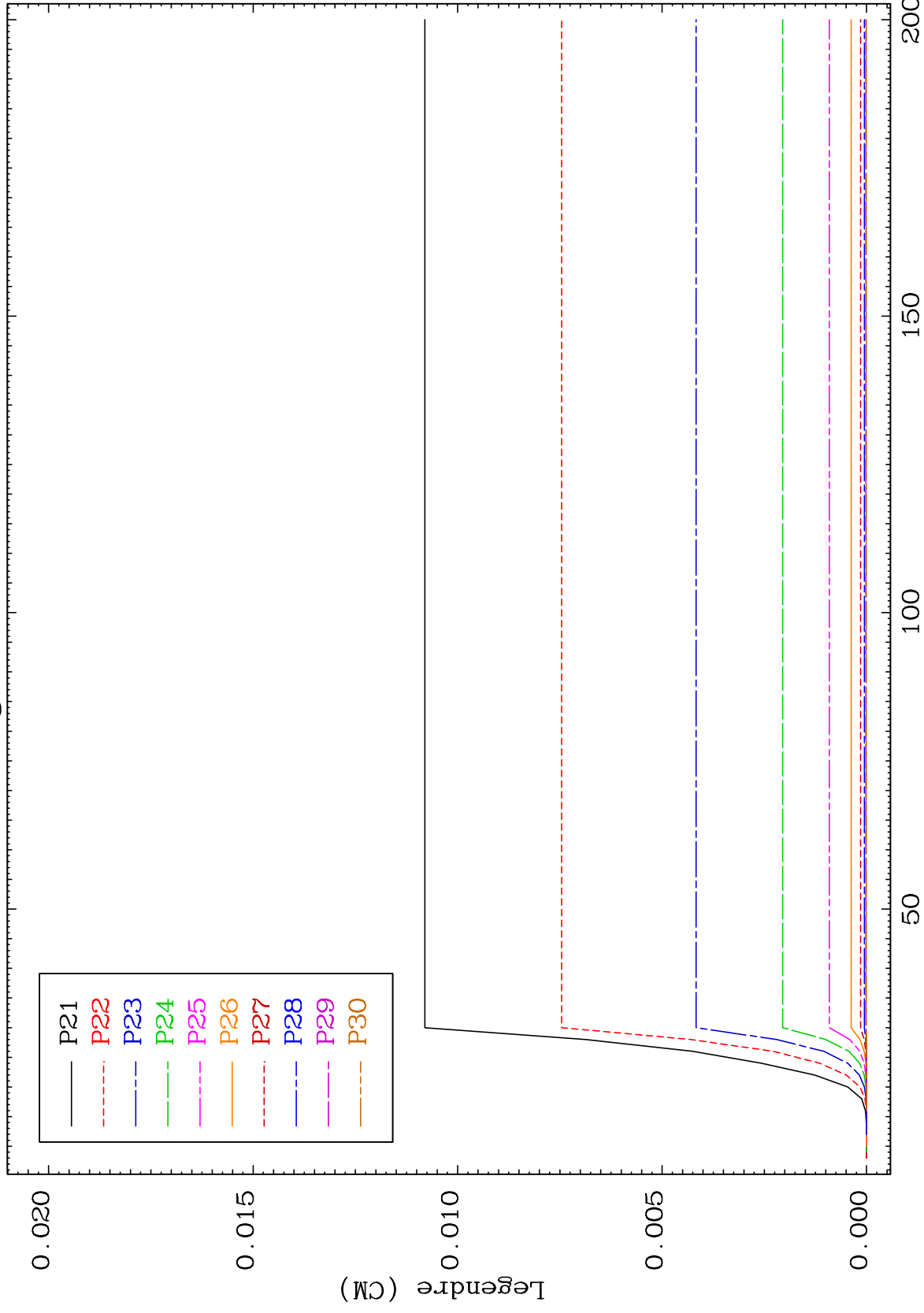
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205



71

Incident Energy (MeV)

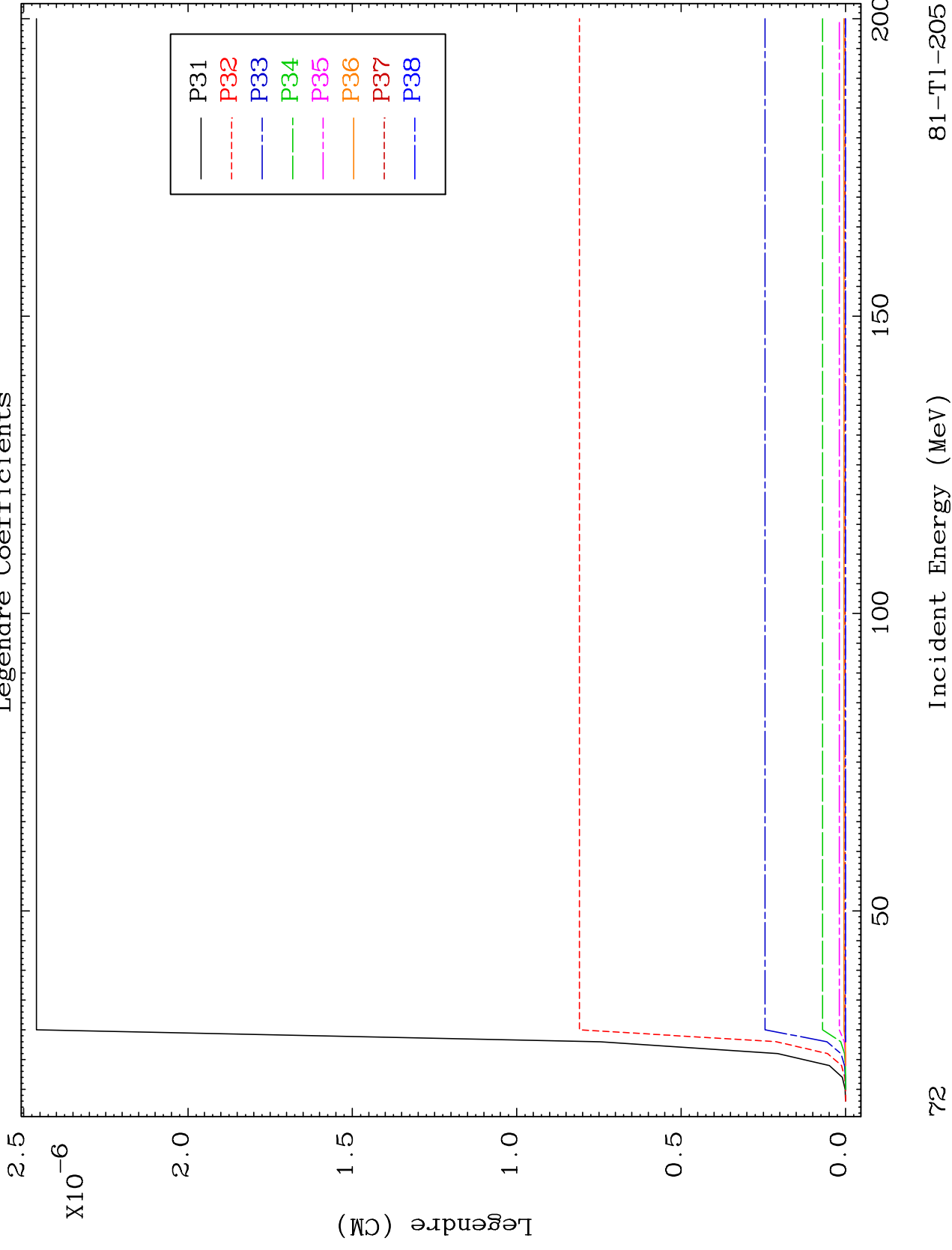
81-T1-205



MAT 8131

81-T1-205

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



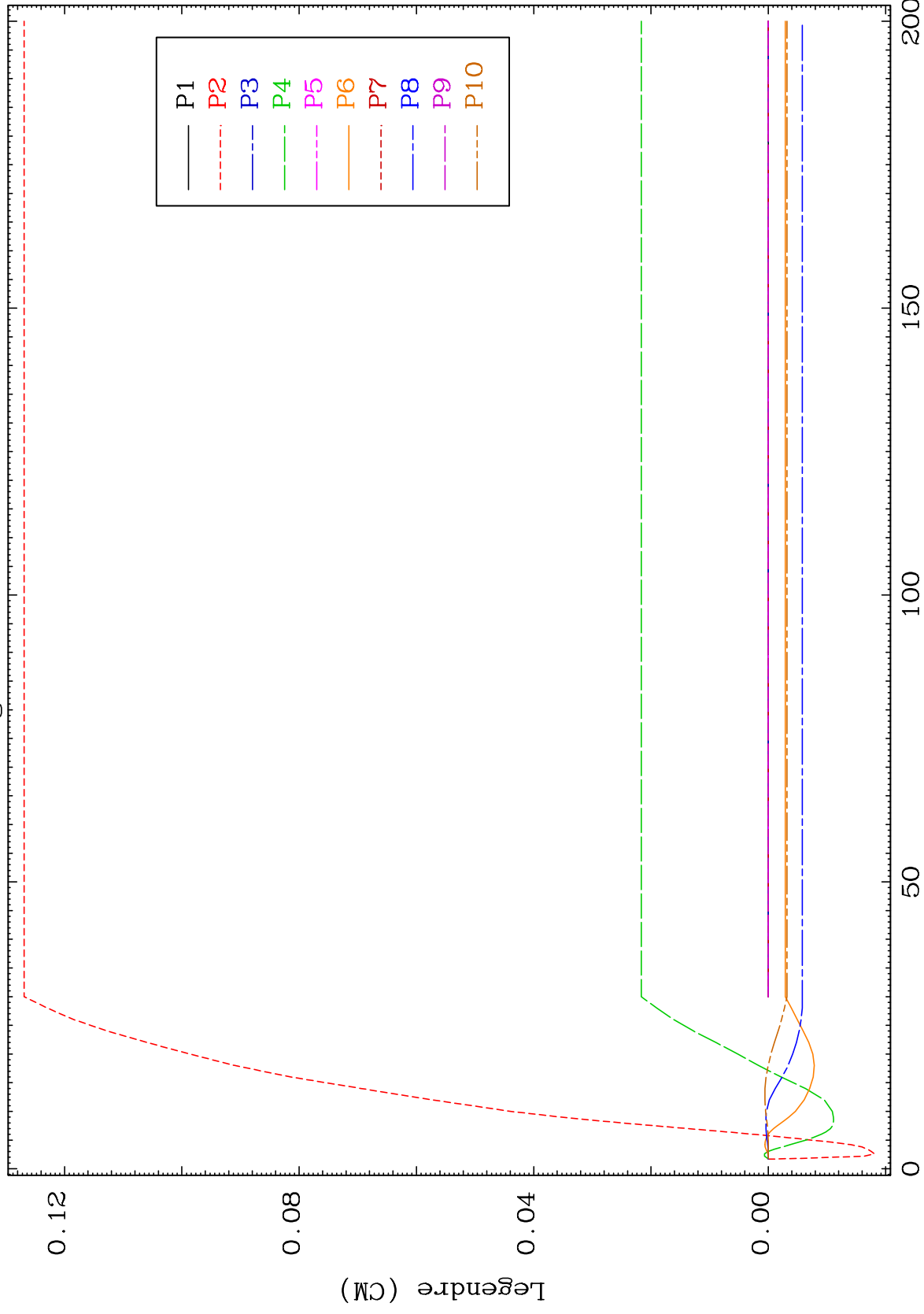
72

81-T1-205

MAT 8131

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

81-T1-205



73

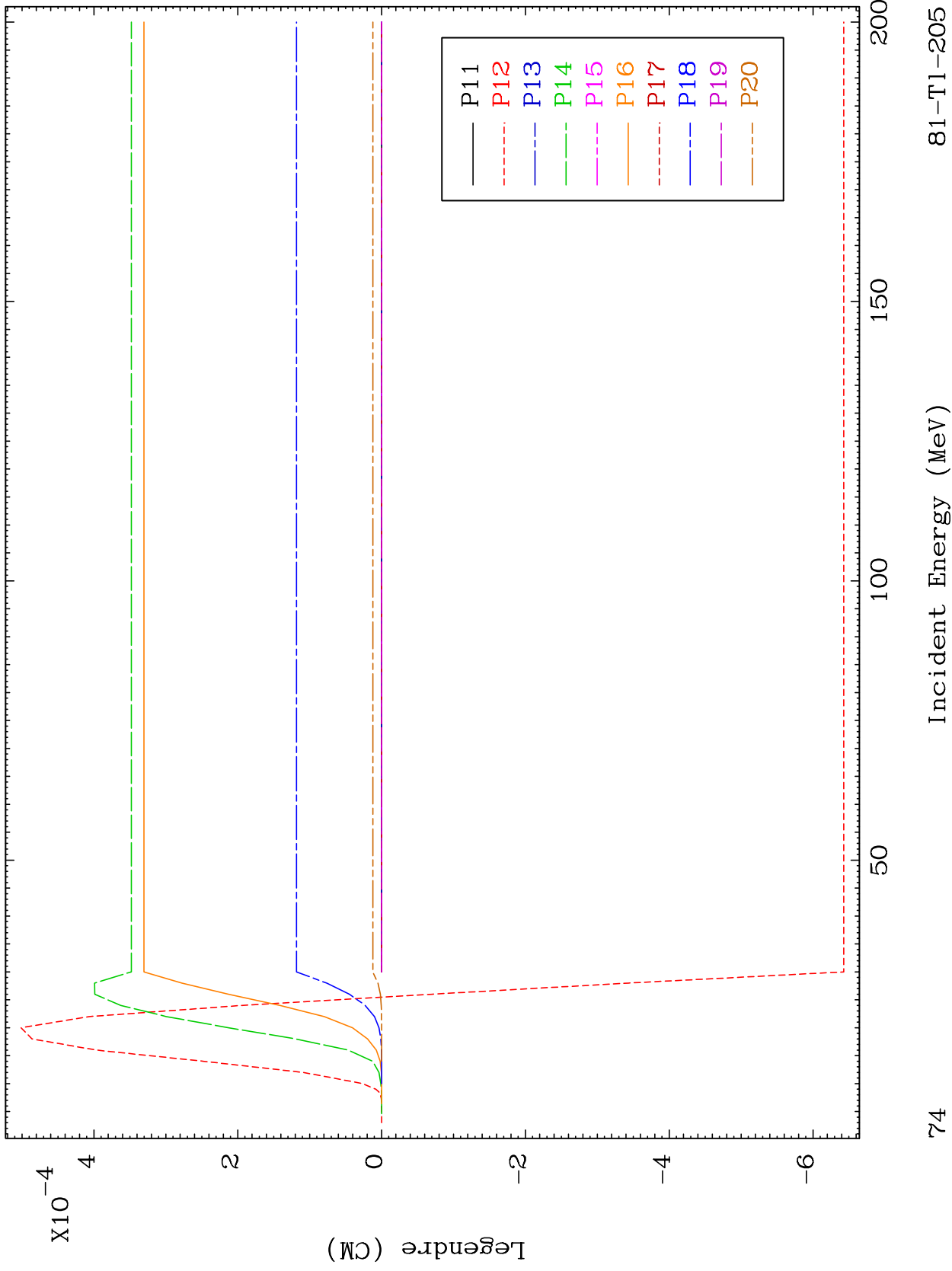
Incident Energy (MeV)

81-T1-205

MAT 8131

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

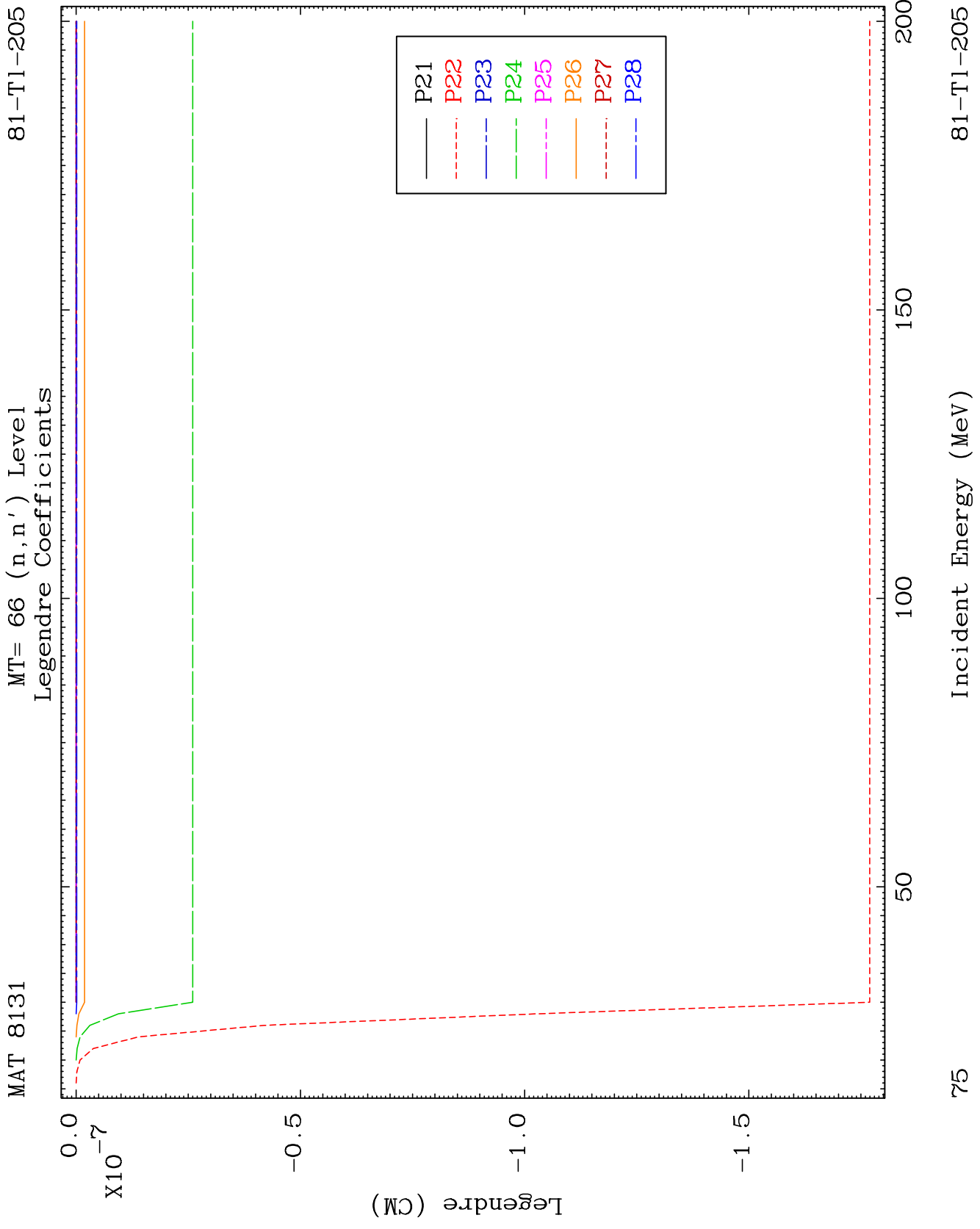
81-T1-205



74

Incident Energy (MeV)

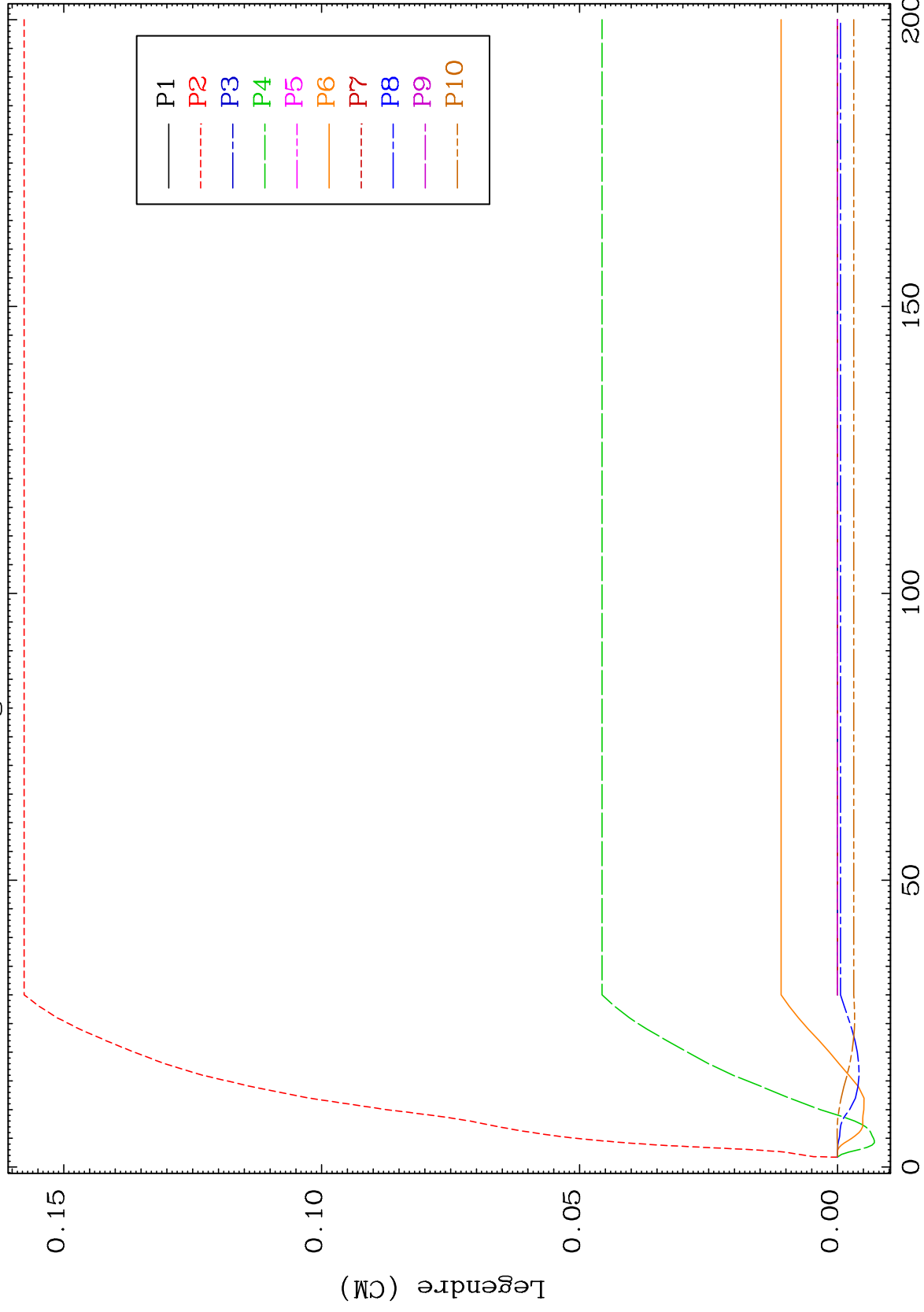
81-T1-205



MAT 8131

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

81-T1-205



76

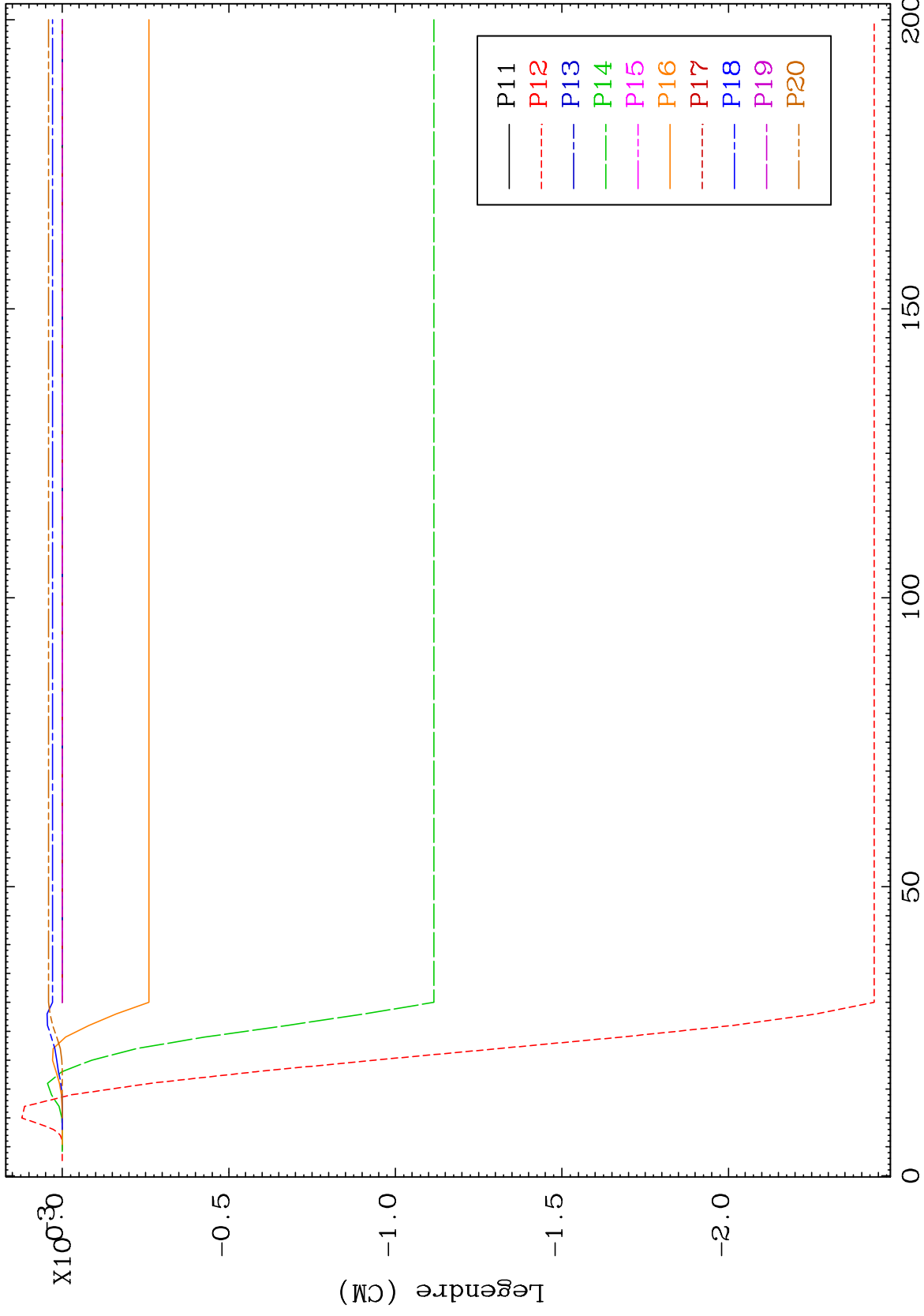
Incident Energy (MeV)

81-T1-205

MAT 8131

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

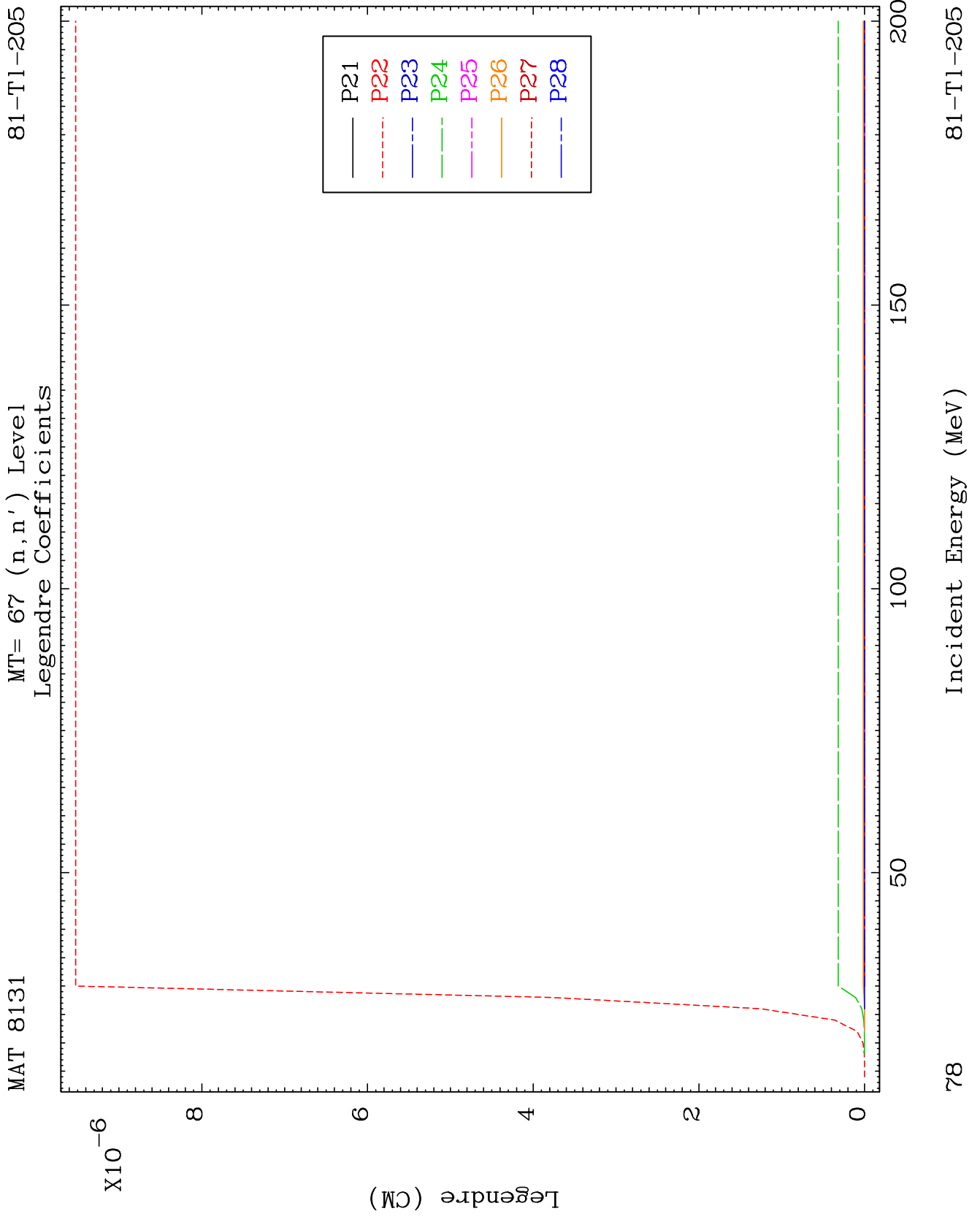
81-T1-205



77

Incident Energy (MeV)

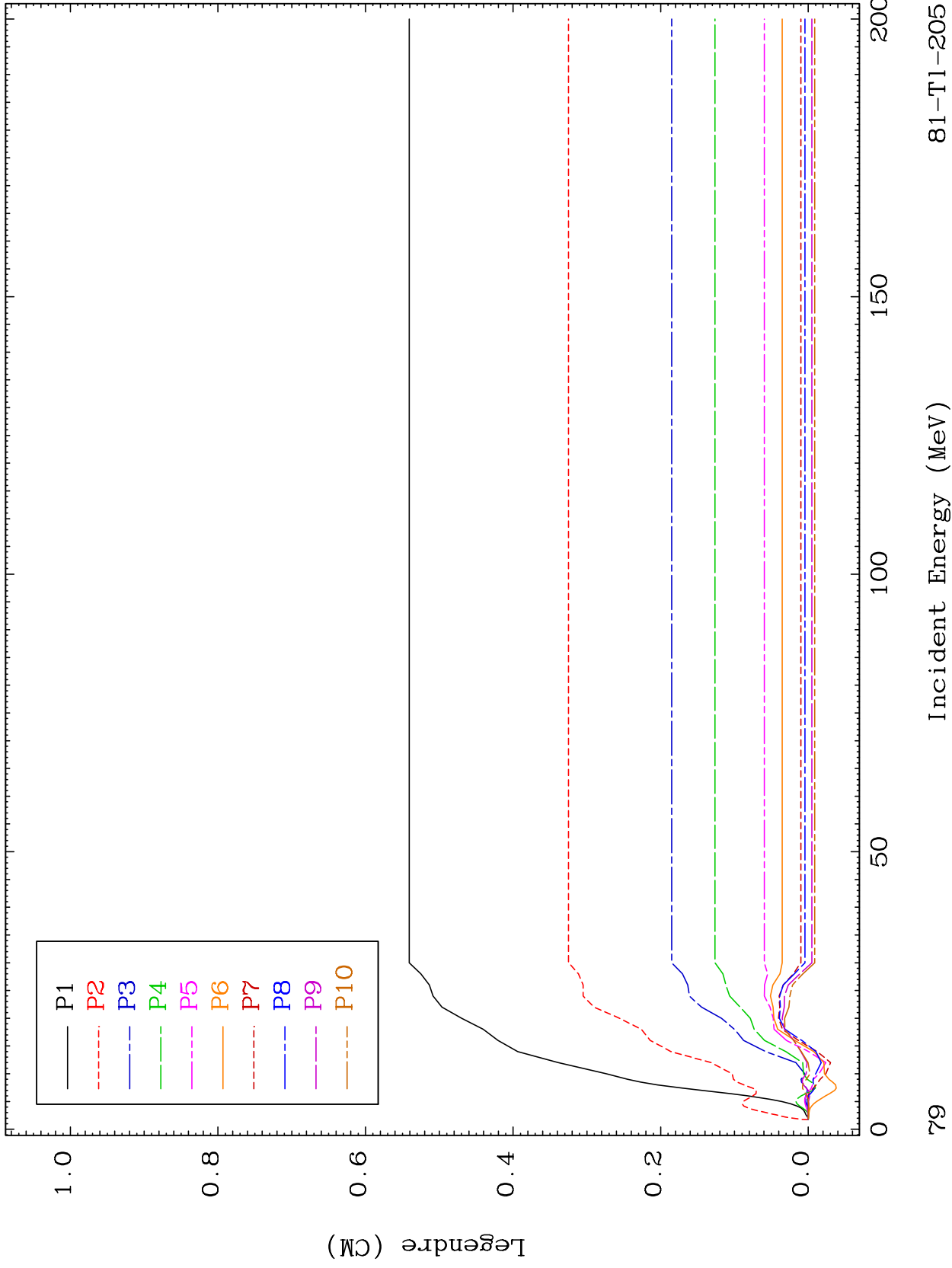
81-T1-205



MAT 8131

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

81-T1-205

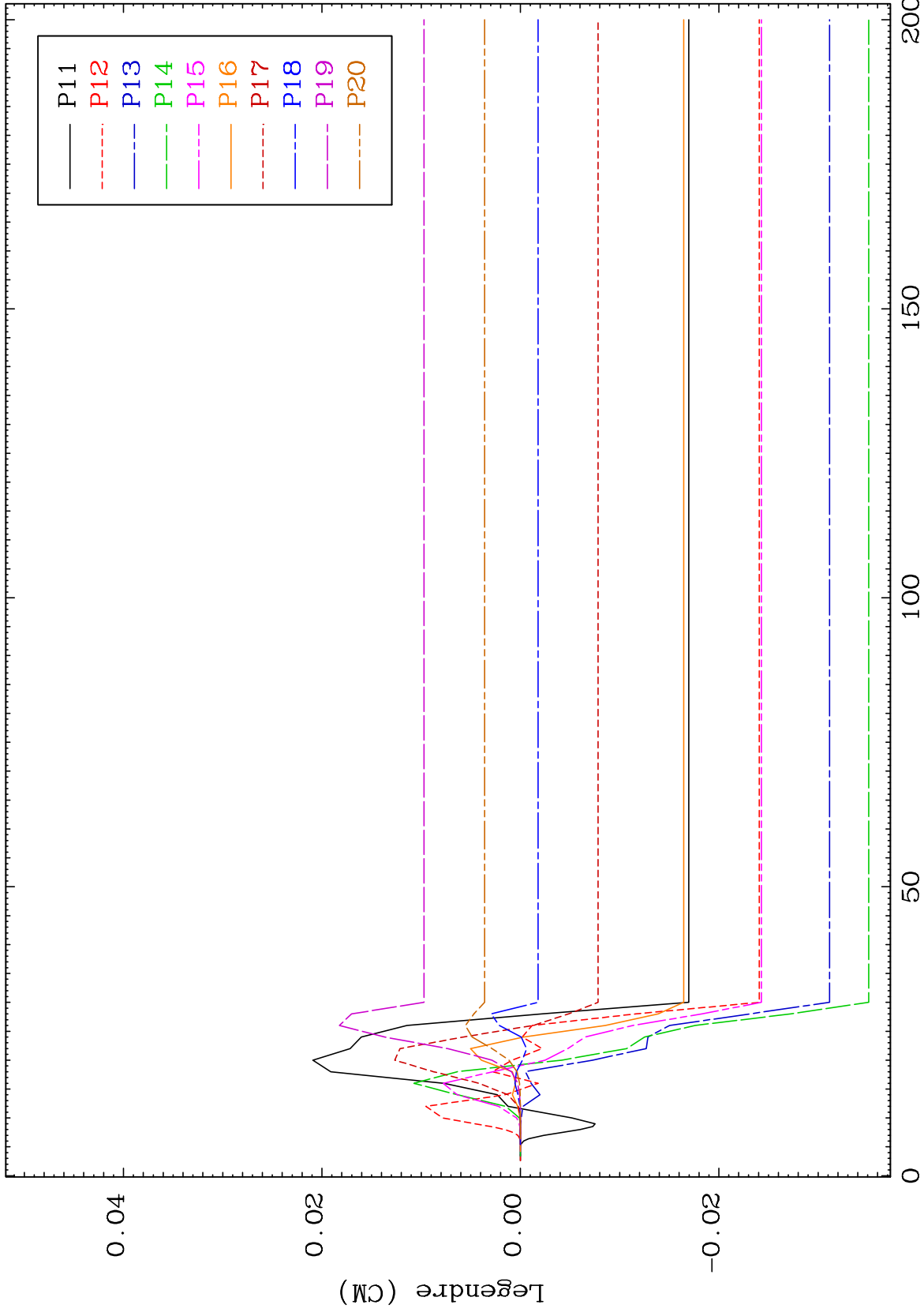




MAT 8131

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

81-T1-205



80

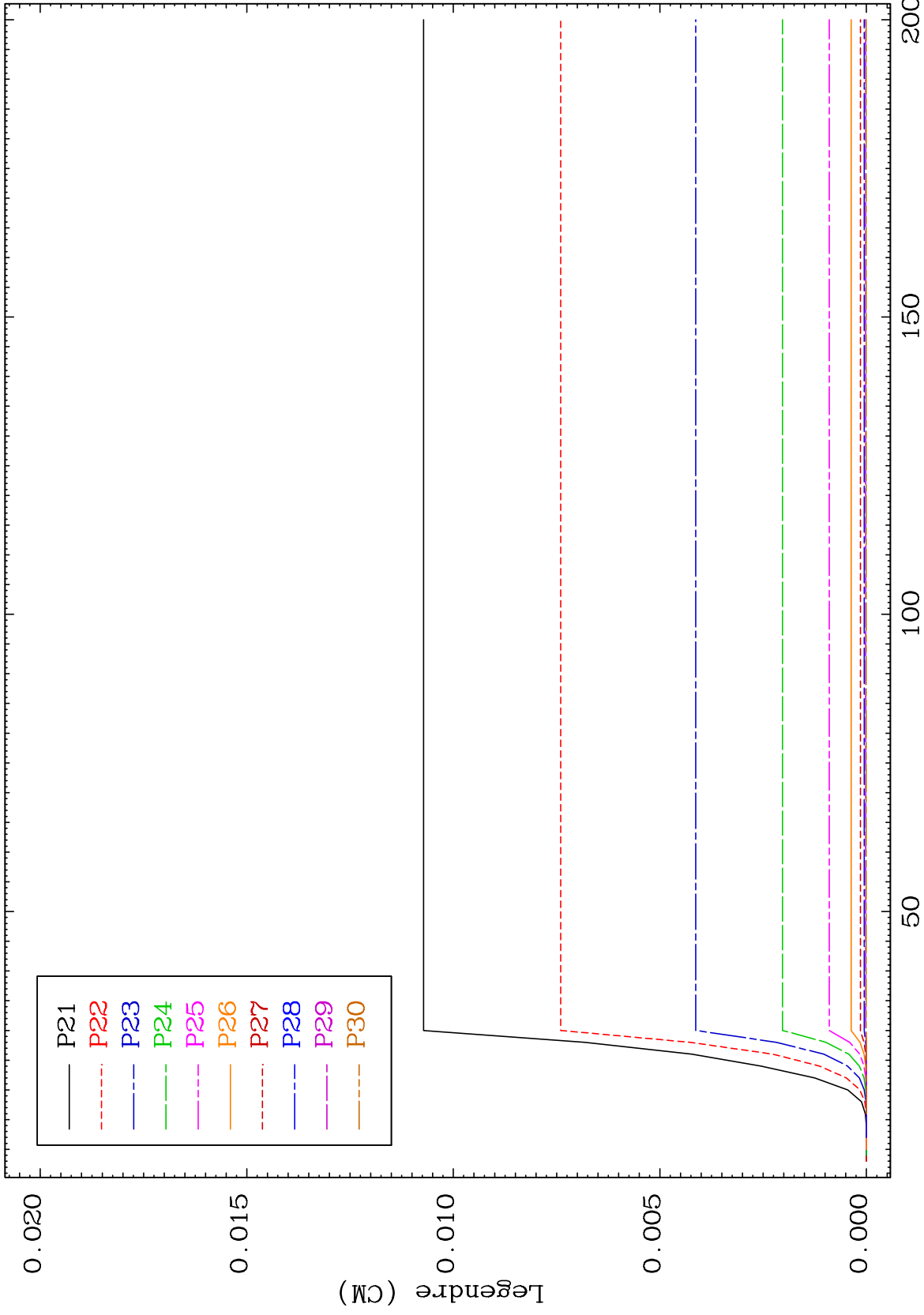
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205



81

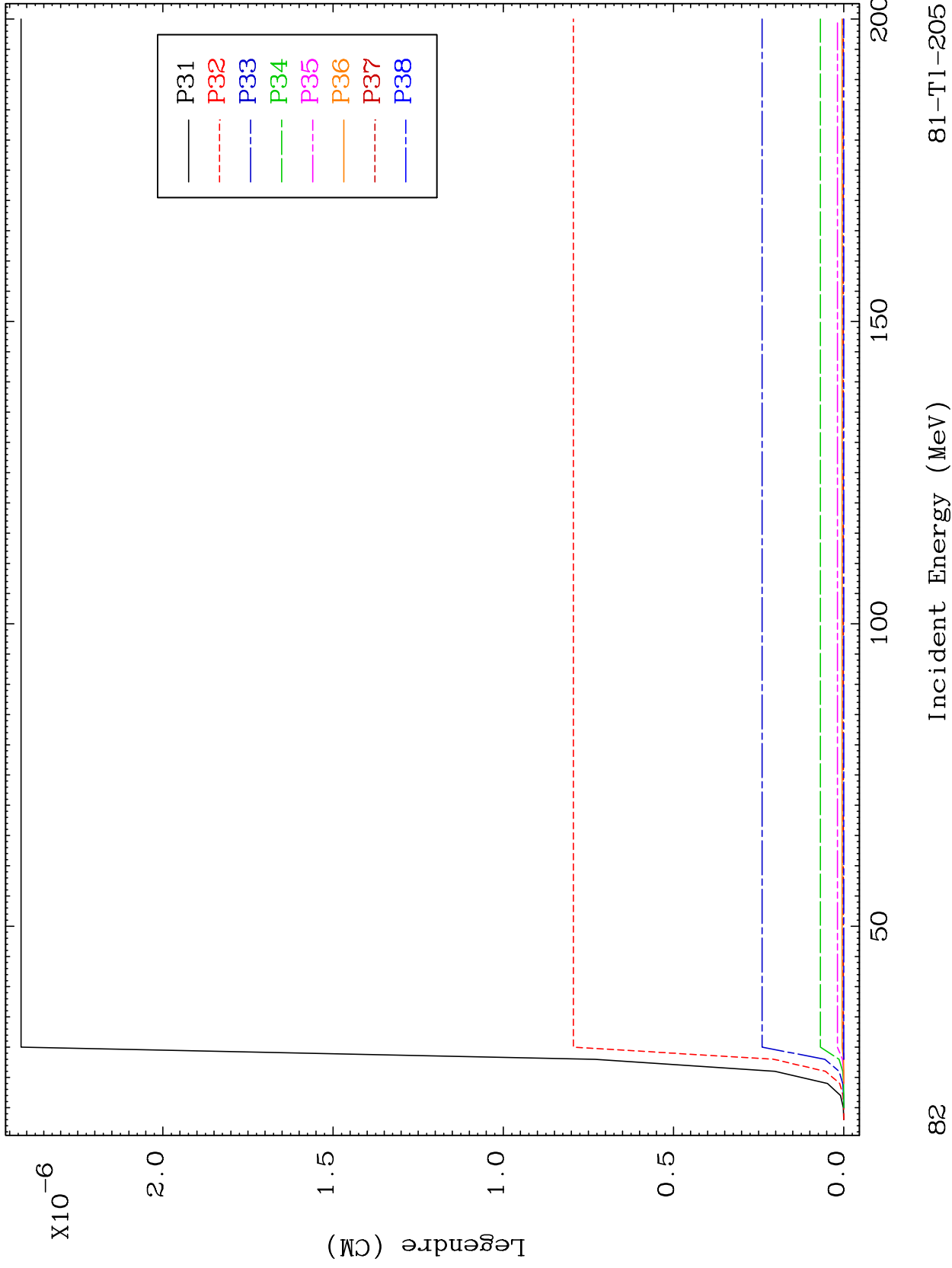
Incident Energy (MeV)

81-T1-205

MAT 8131

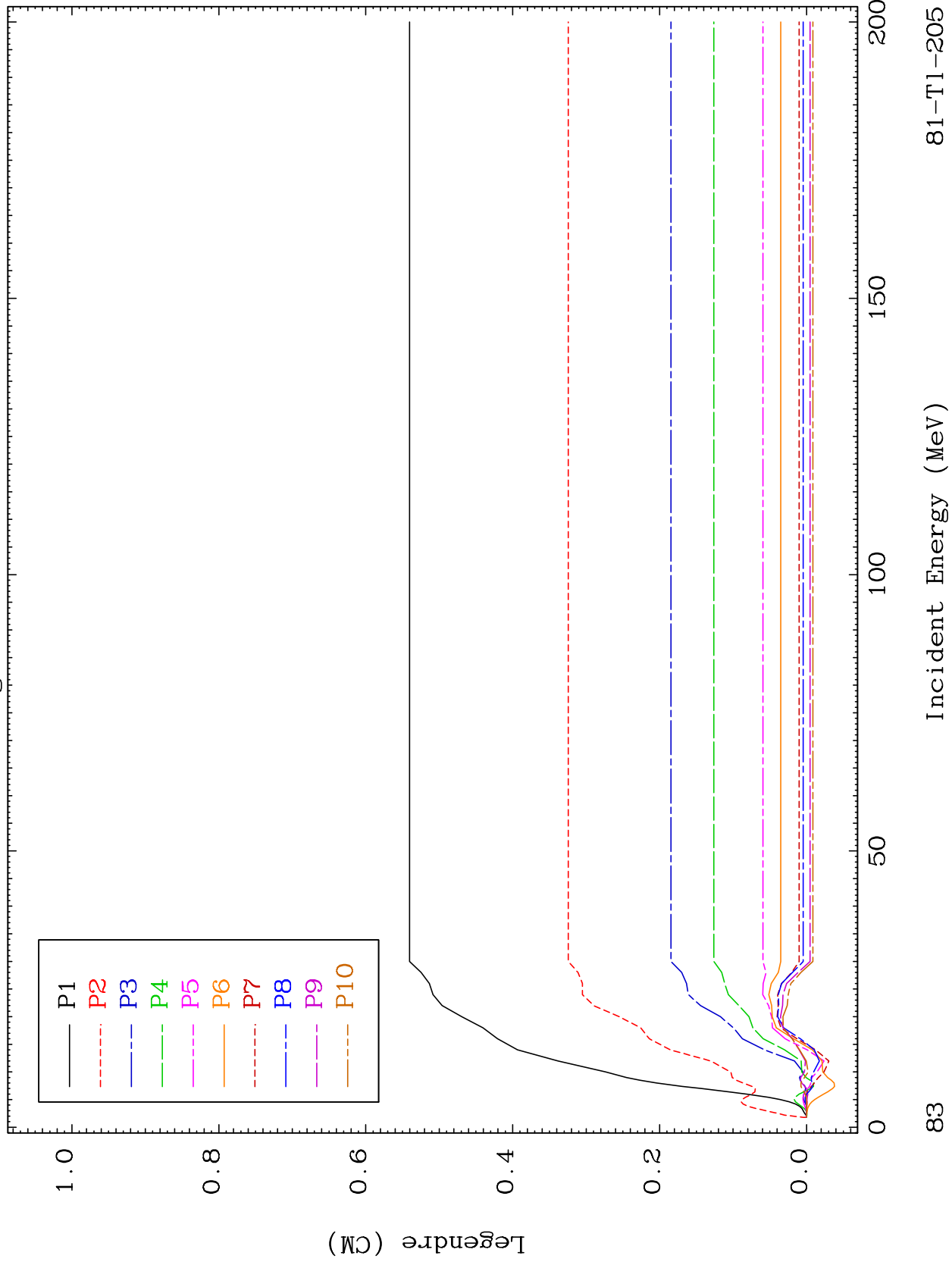
81-T1-205

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



82

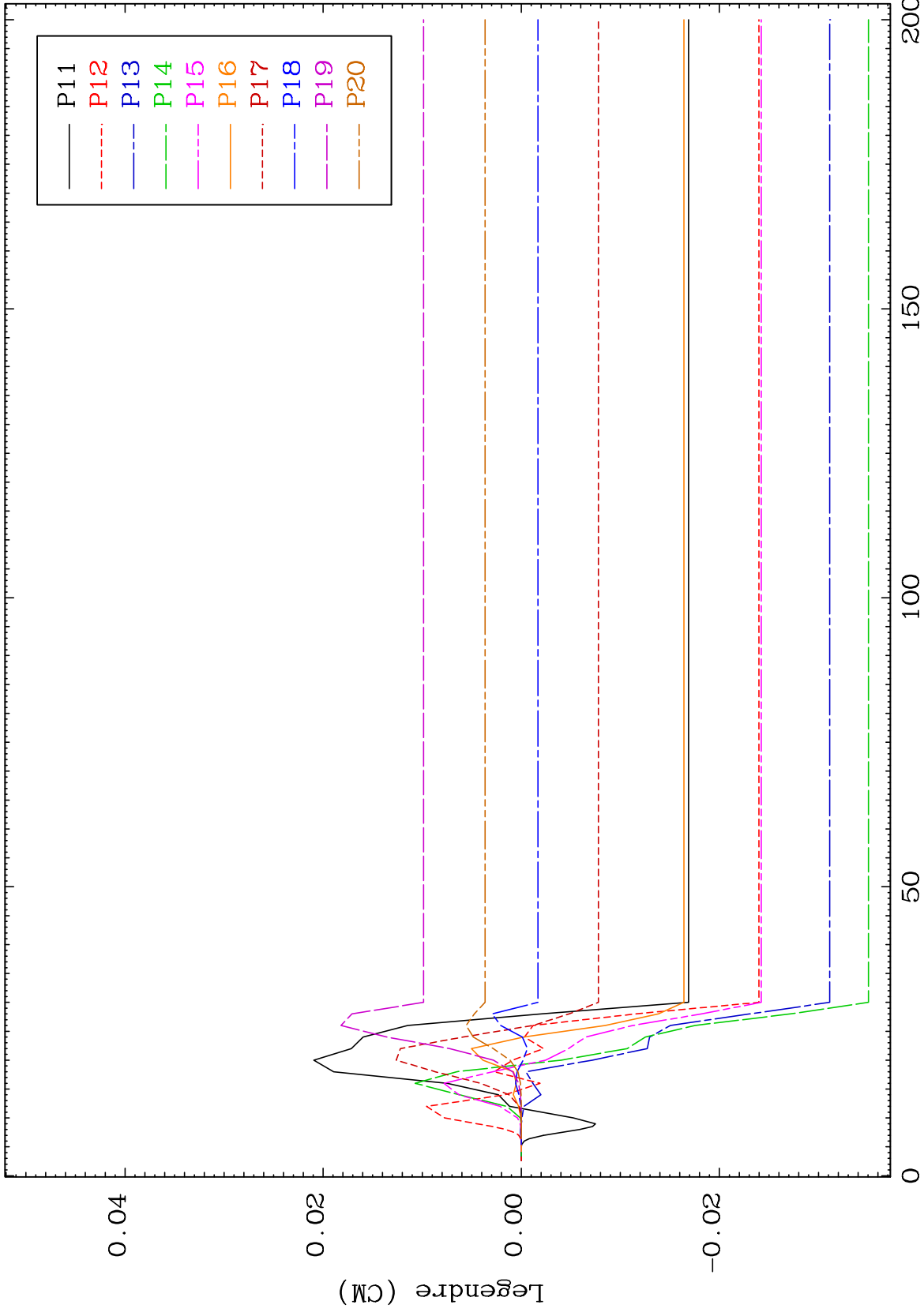
81-T1-205



MAT 8131

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

81-T1-205



84

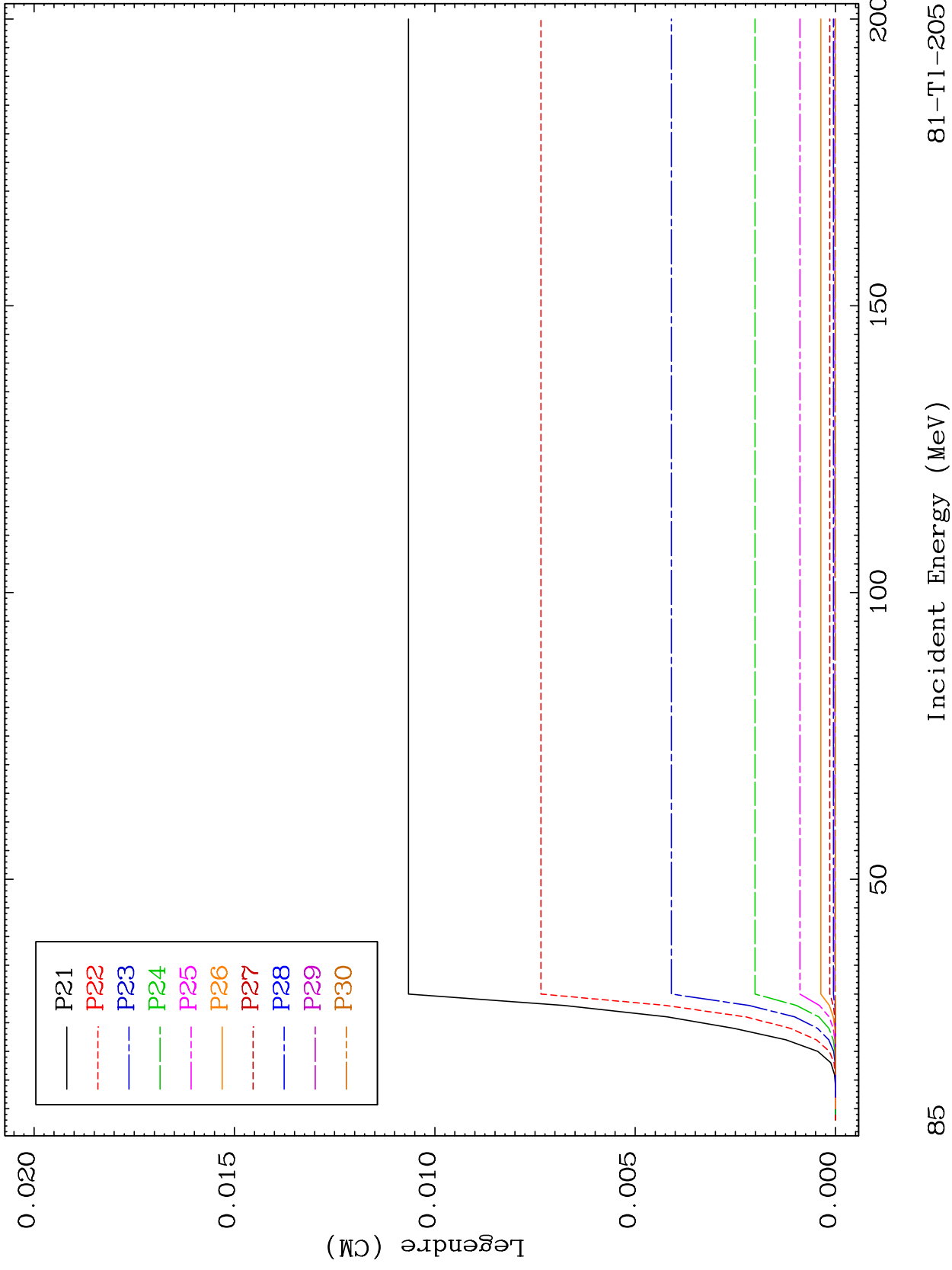
Incident Energy (MeV)

81-T1-205

MAT 8131

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

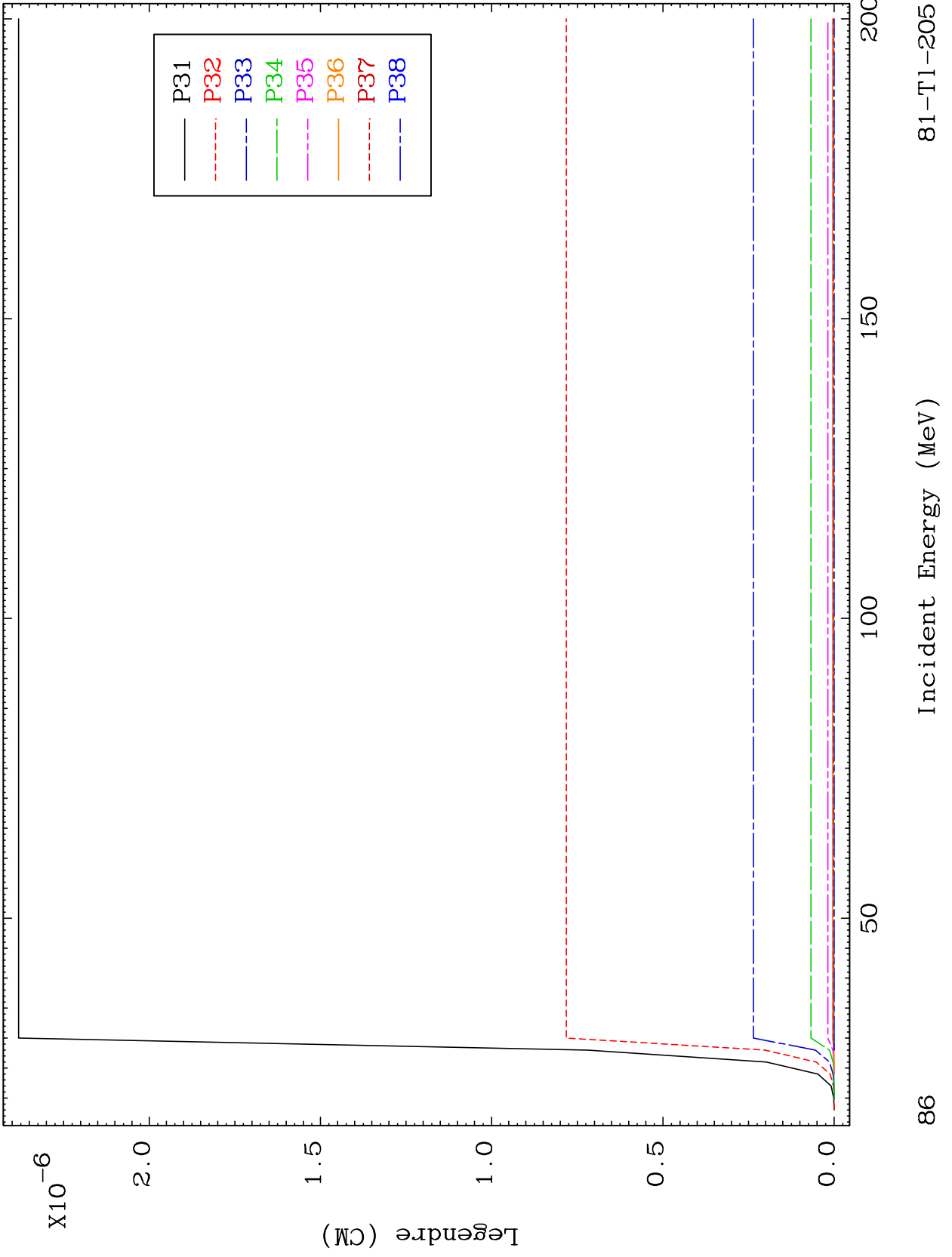
81-Tl-205

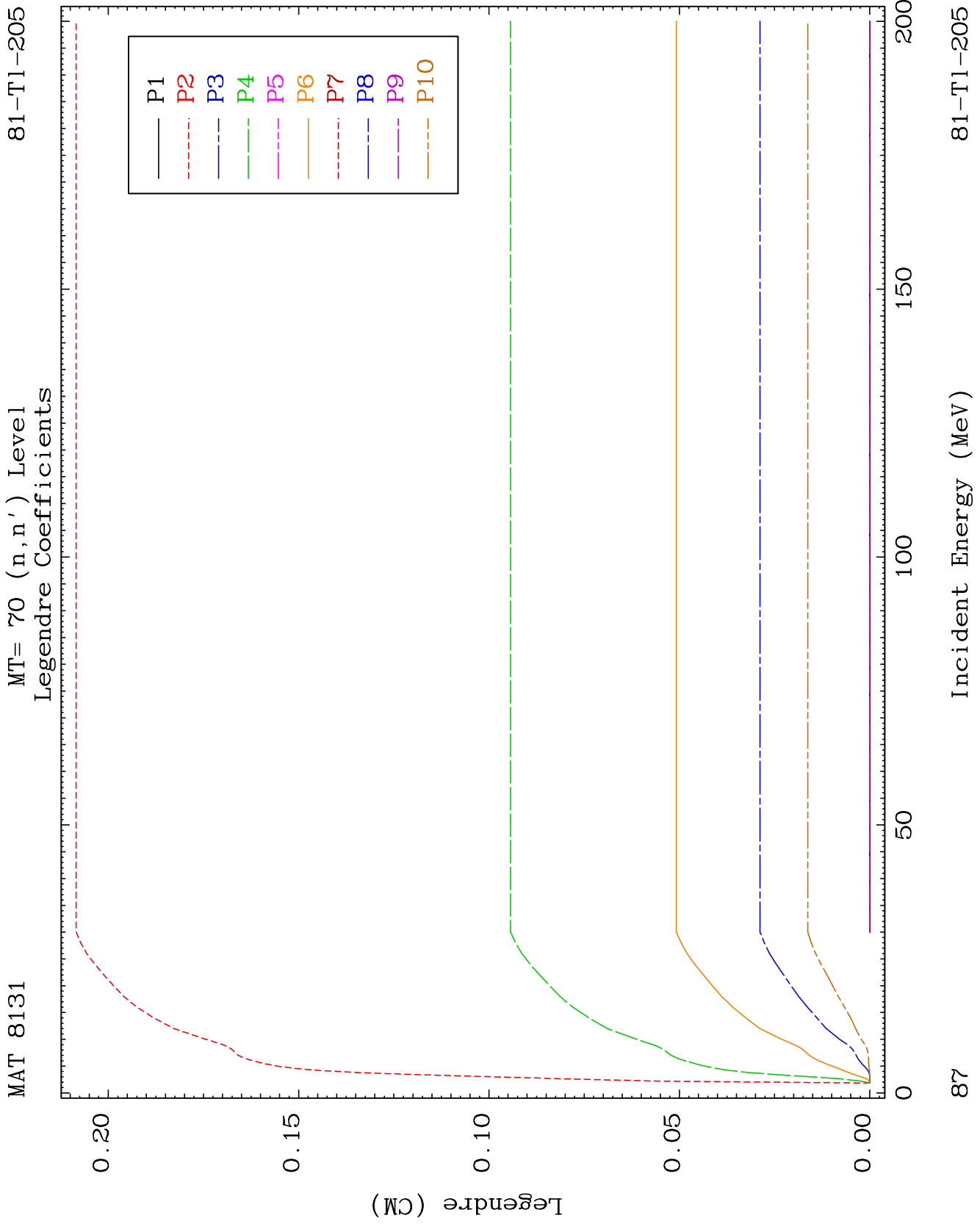


MAT 8131

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

81-T1-205



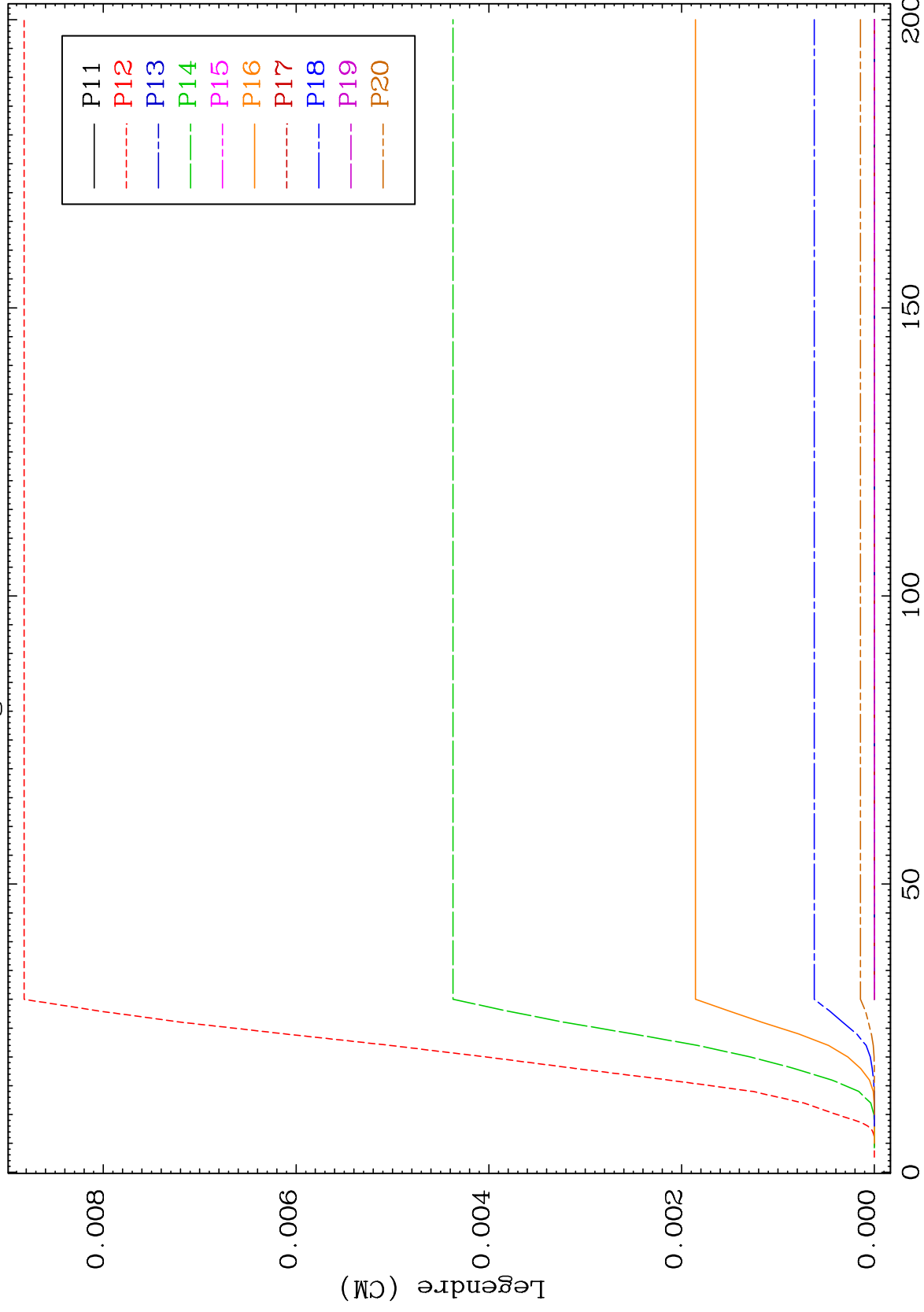




MAT 8131

81-T1-205

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



88

Incident Energy (MeV)

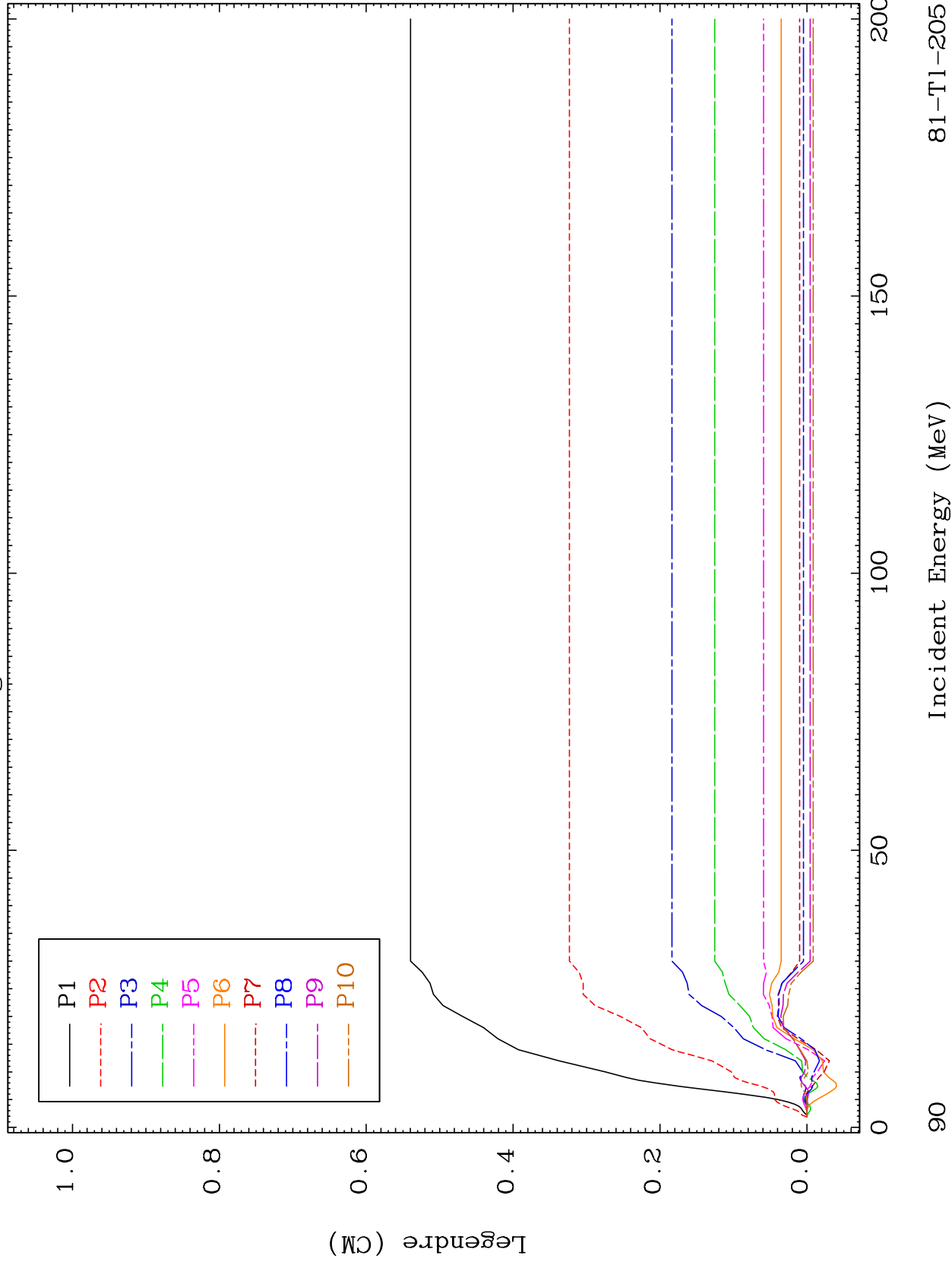
81-T1-205



MAT 8131

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

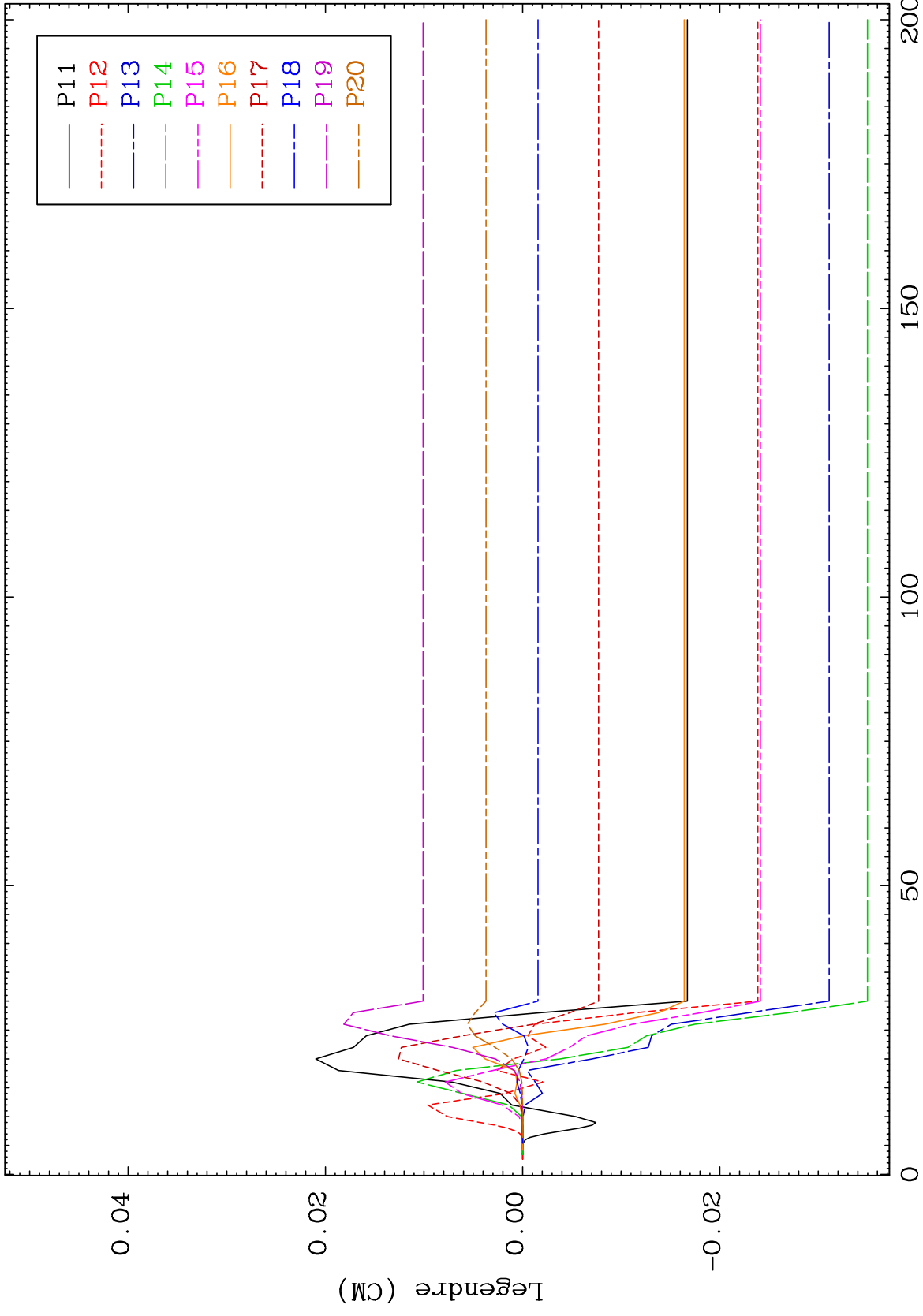
81-T1-205



MAT 8131

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

81-T1-205



91

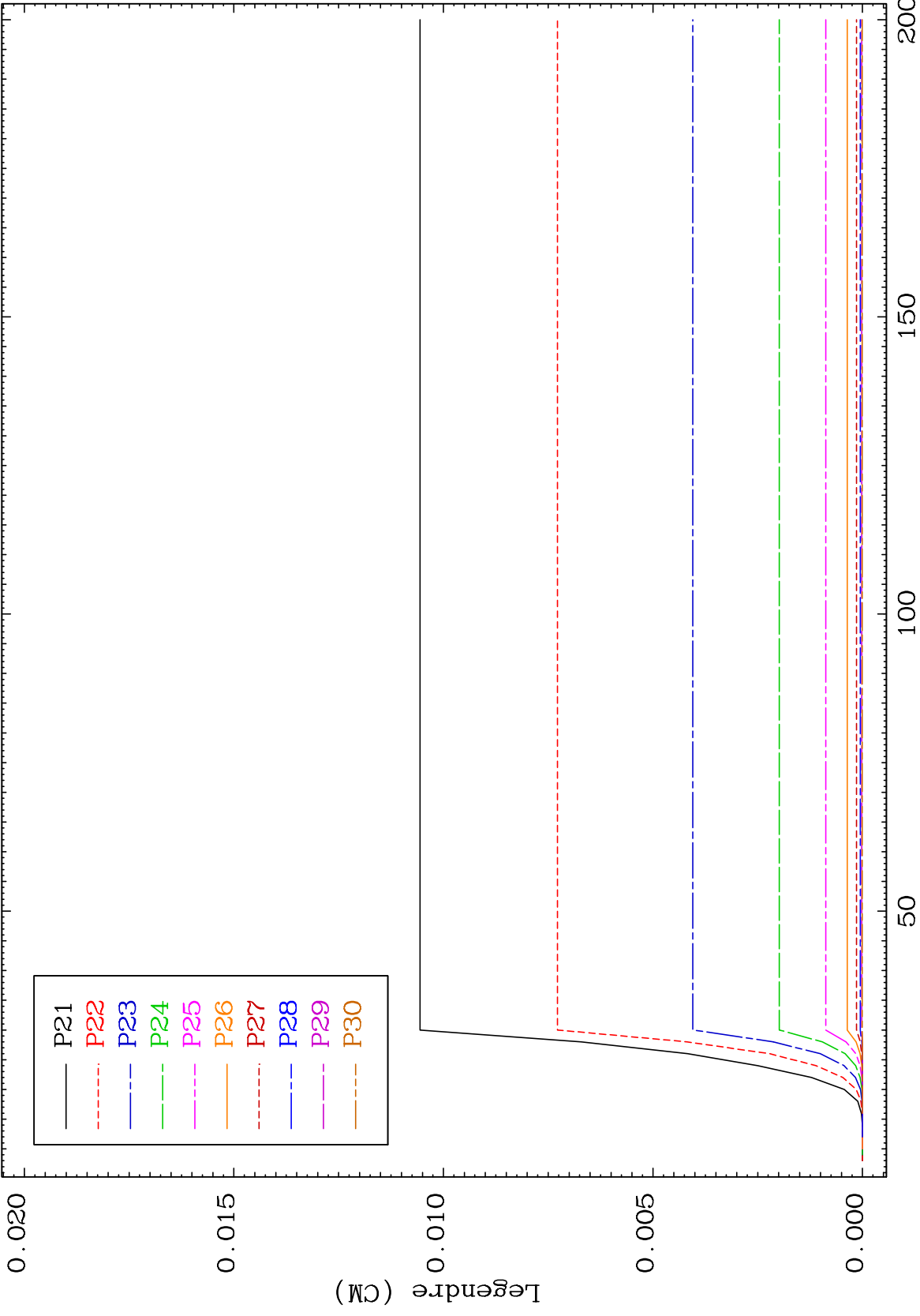
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205



92

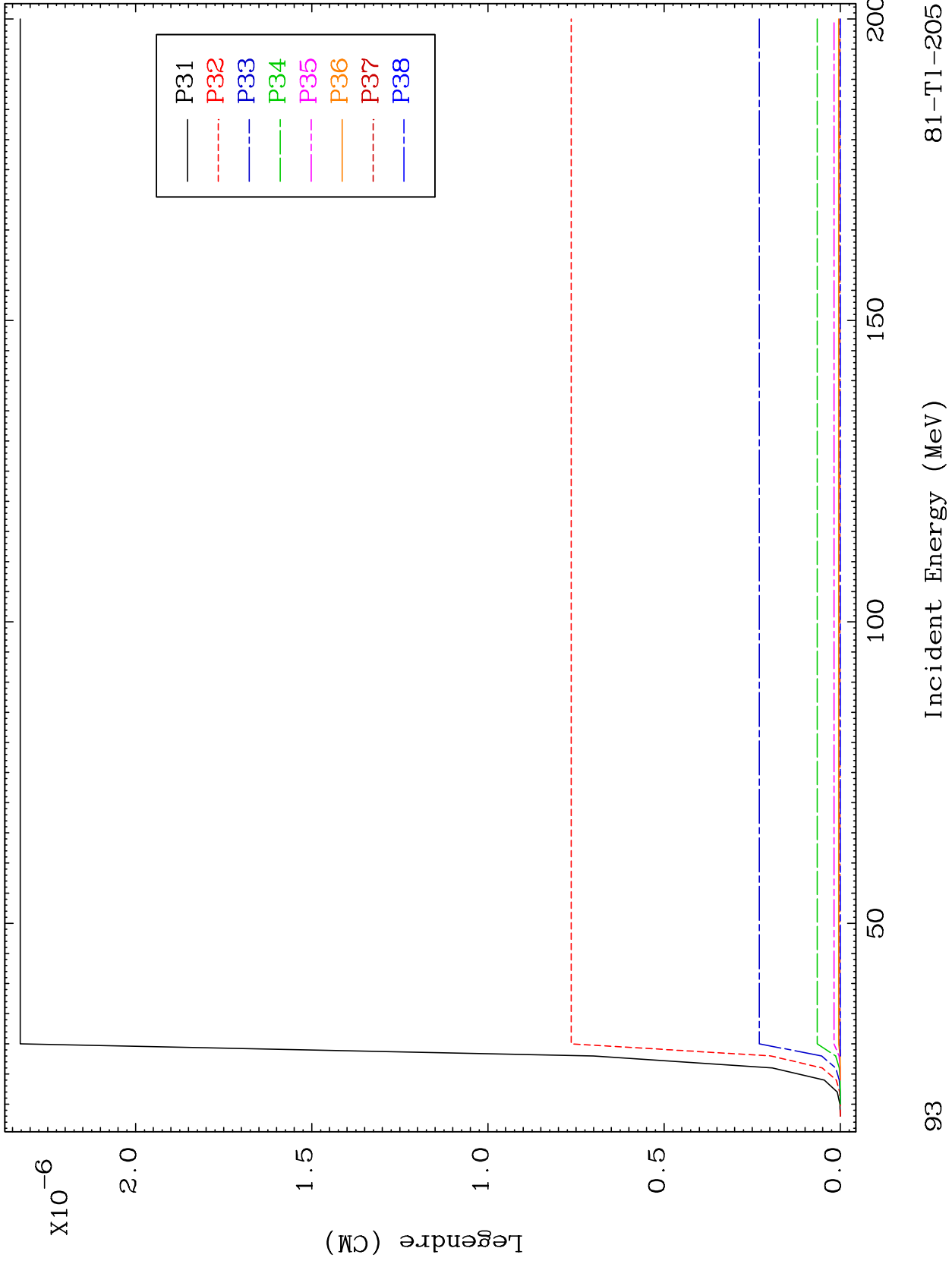
Incident Energy (MeV)

81-T1-205

MAT 8131

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

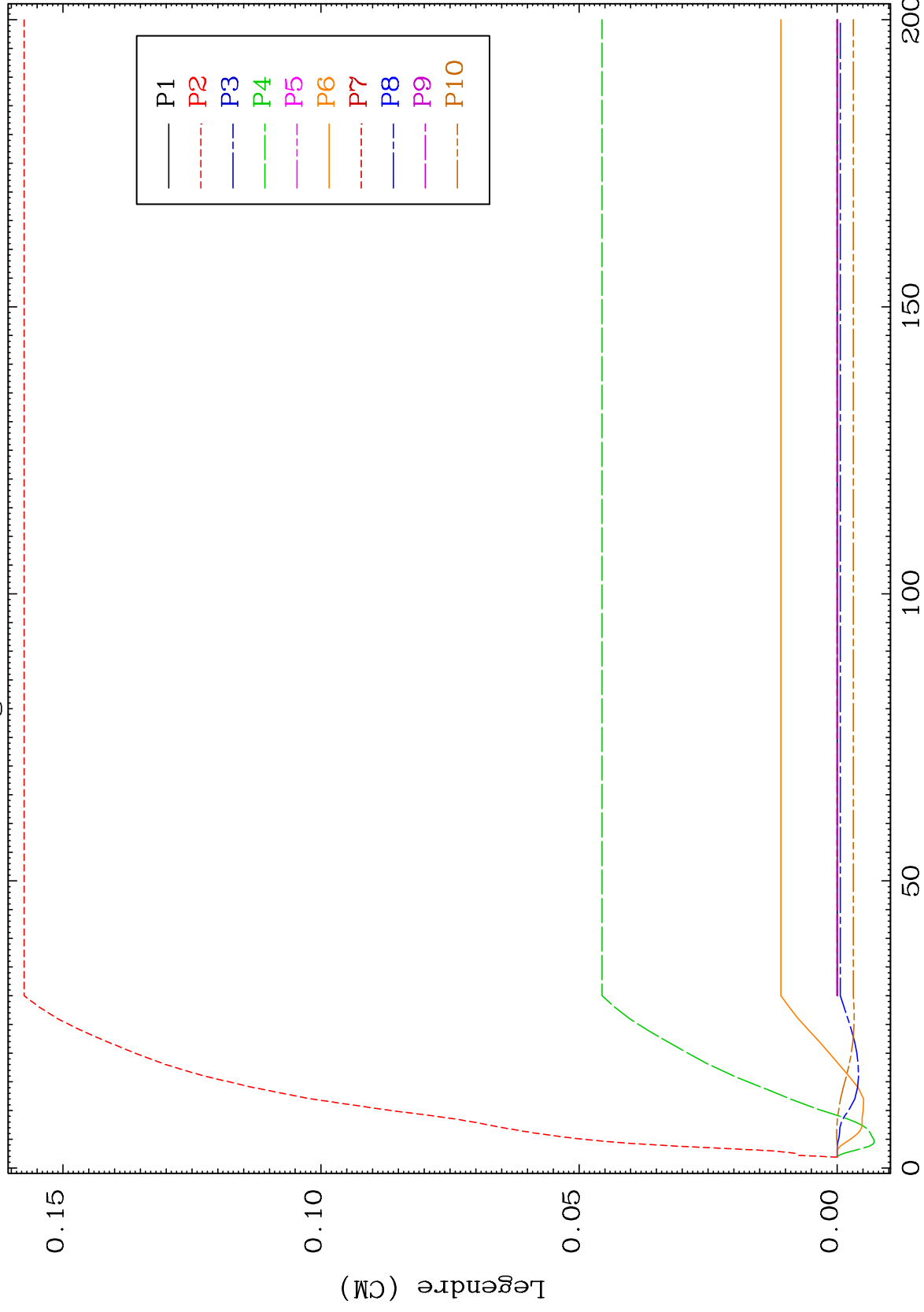
81-T1-205



MAT 8131

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

81-T1-205



94

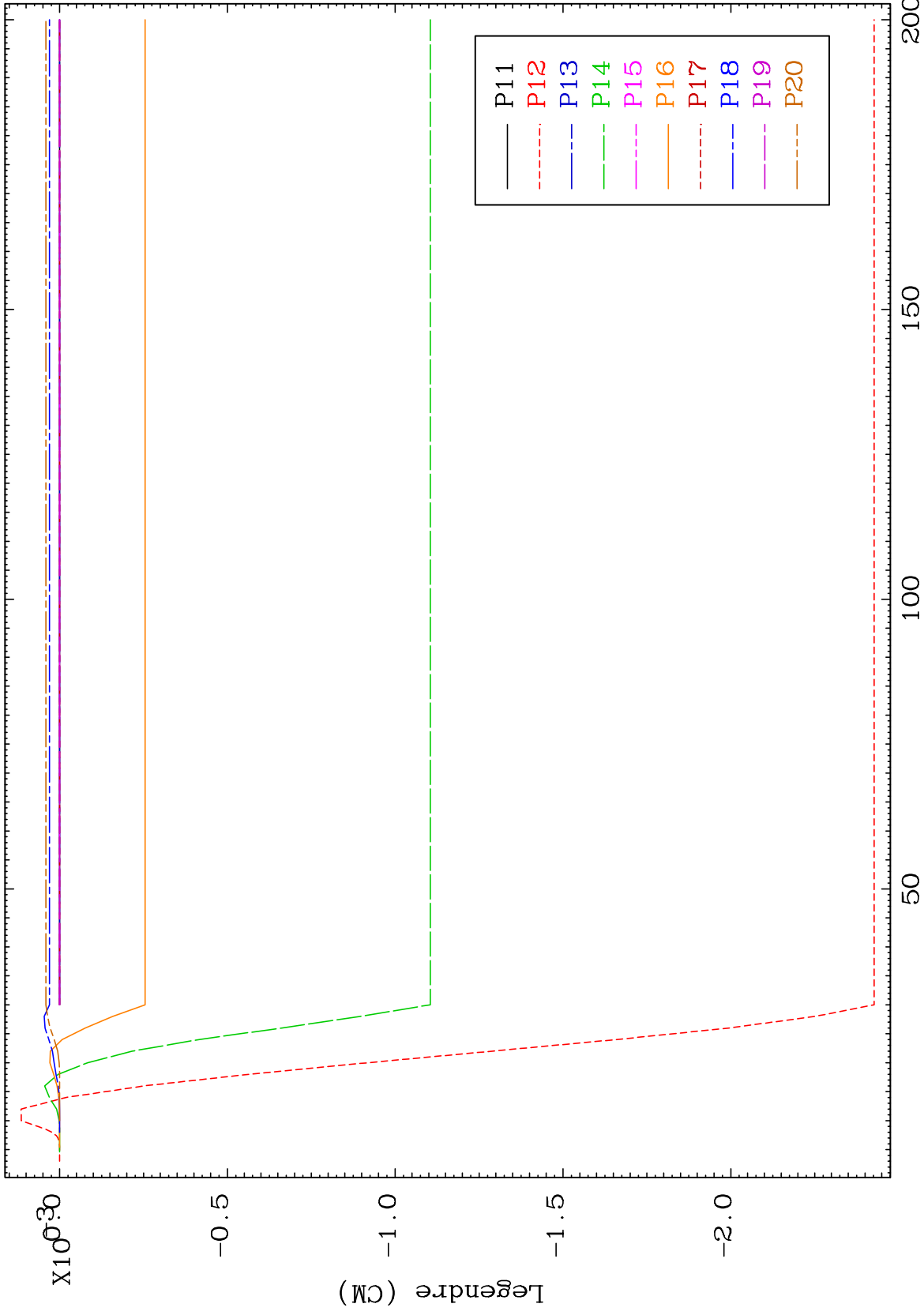
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205

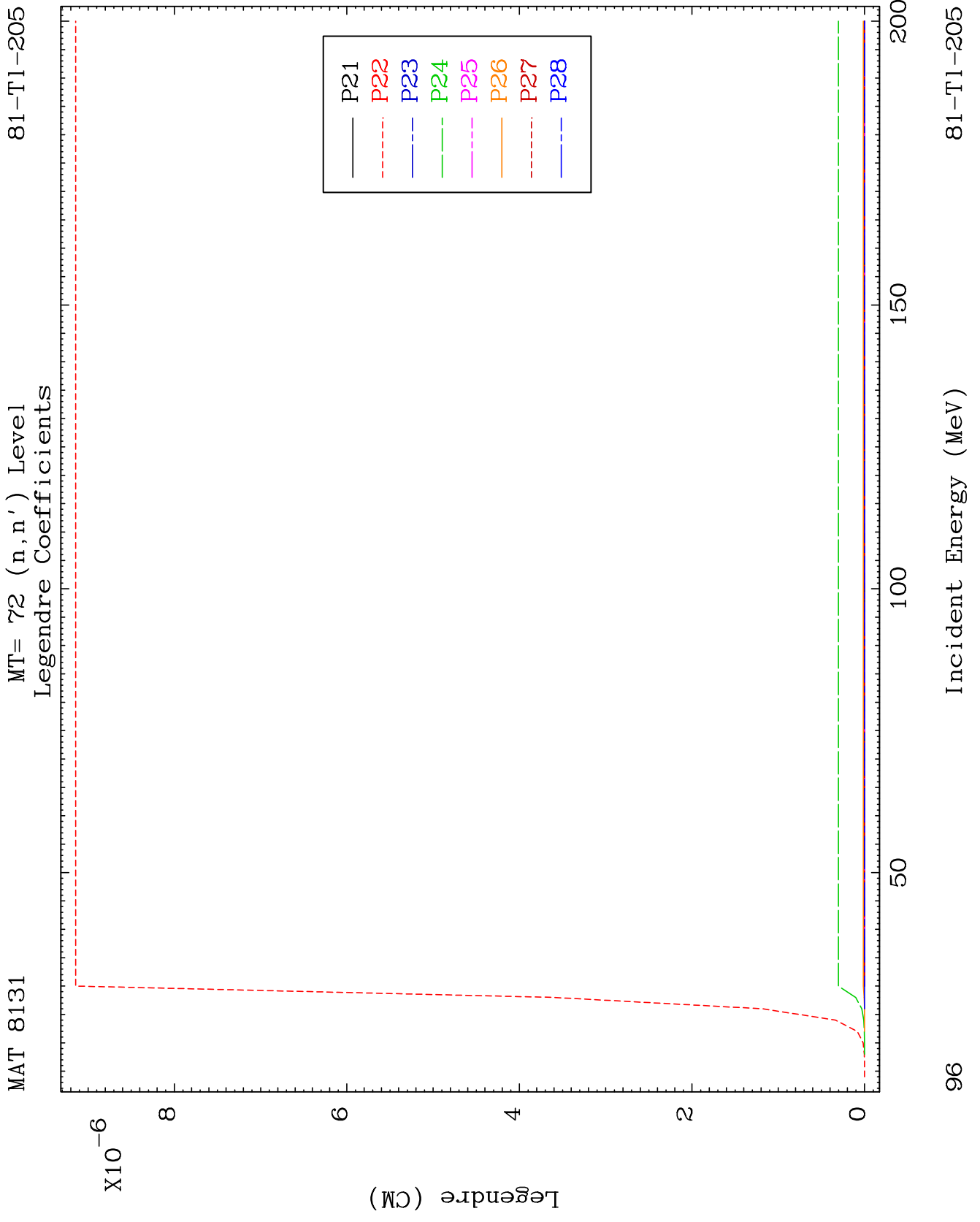


95

Incident Energy (MeV)

81-T1-205

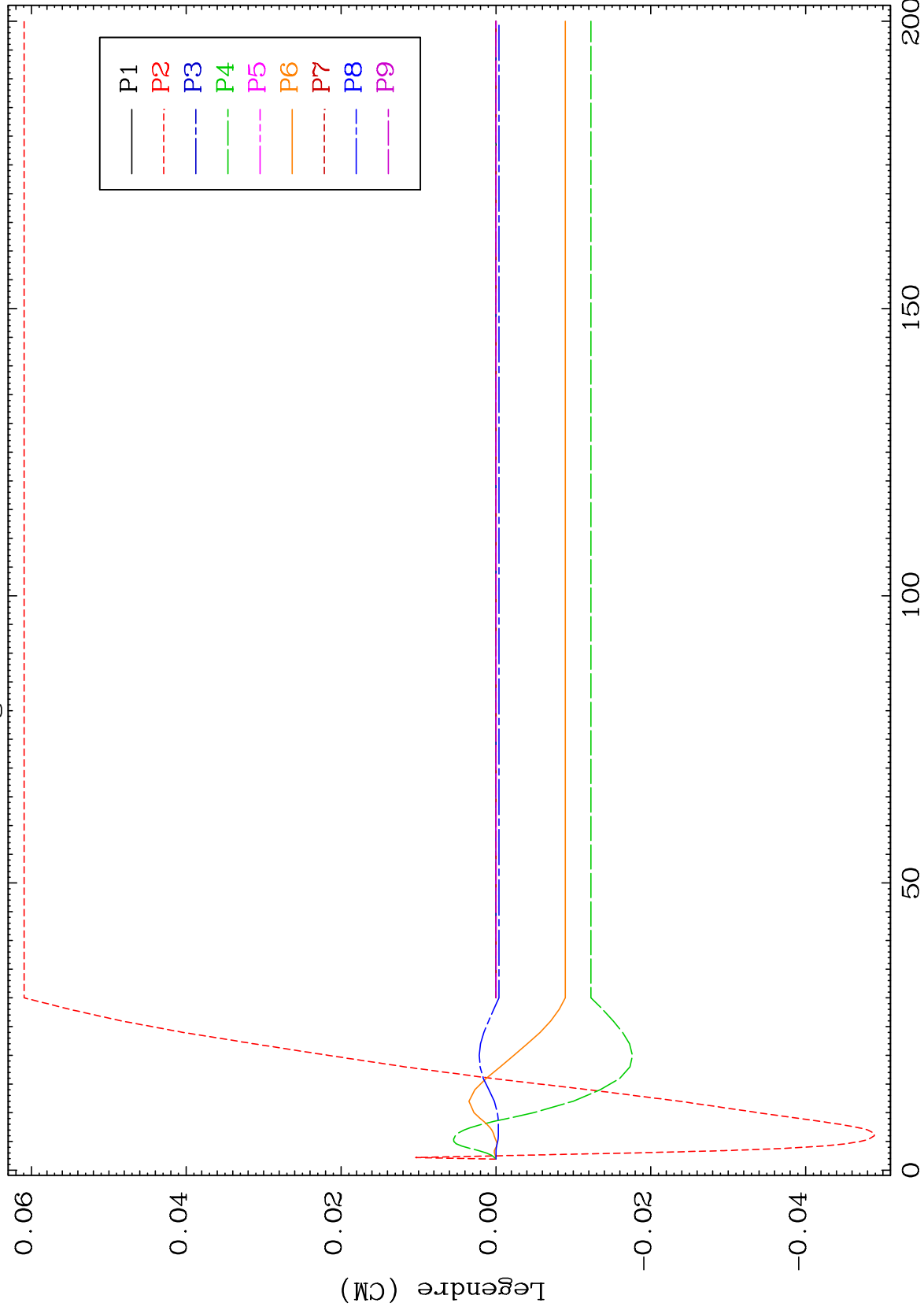




MAT 8131

81-T1-205

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



97

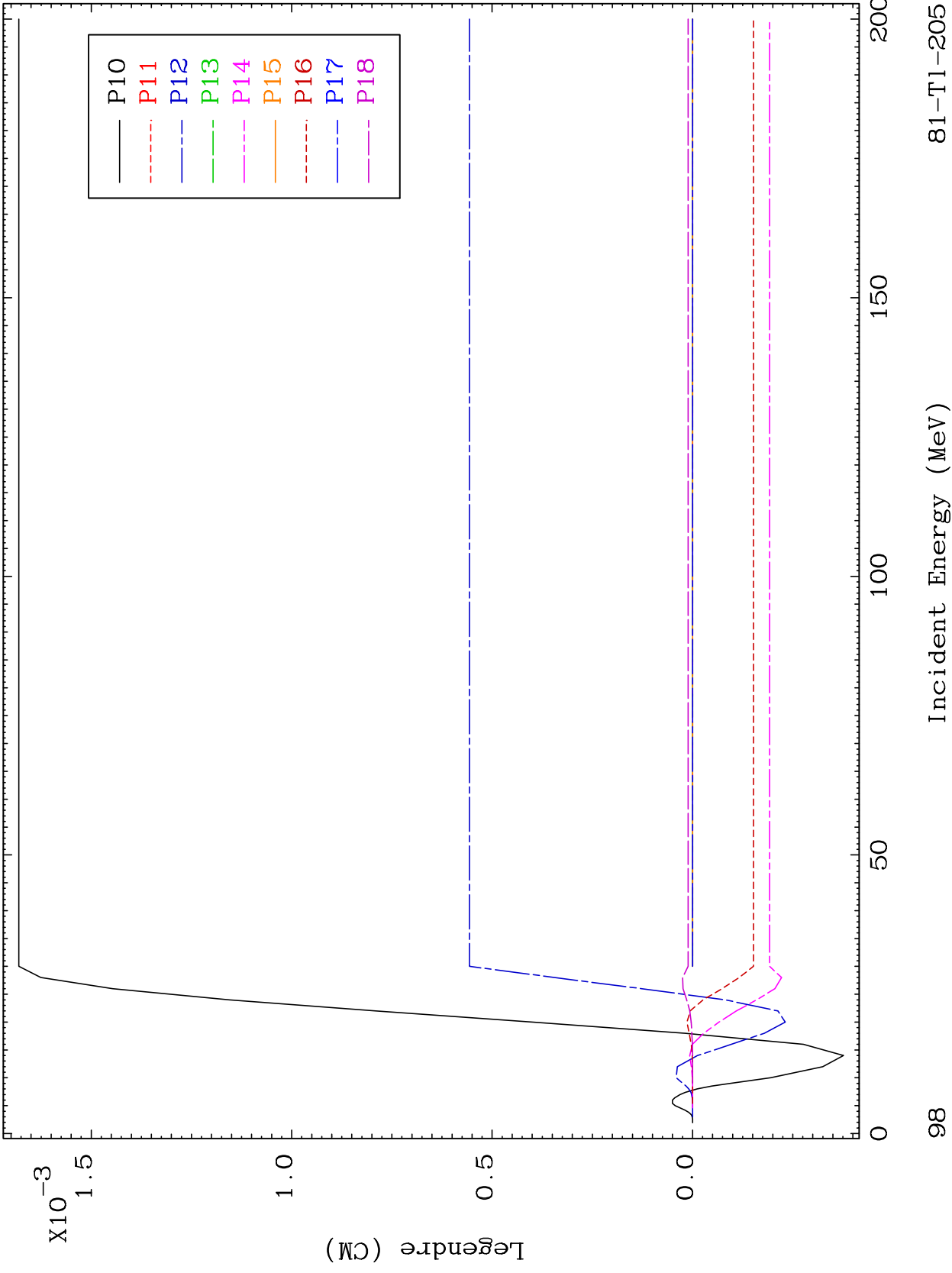
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205



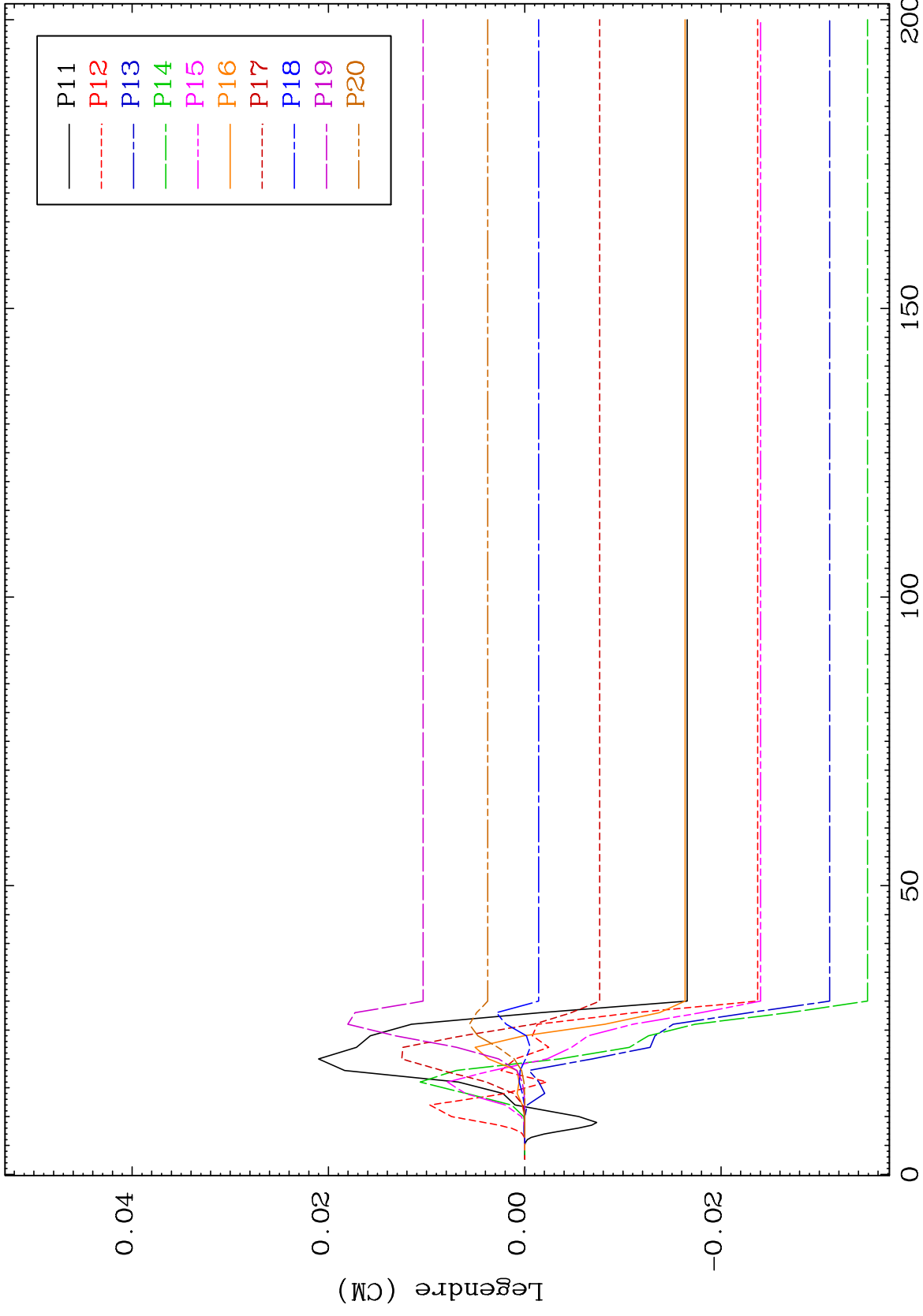




MAT 8131

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

81-T1-205



101

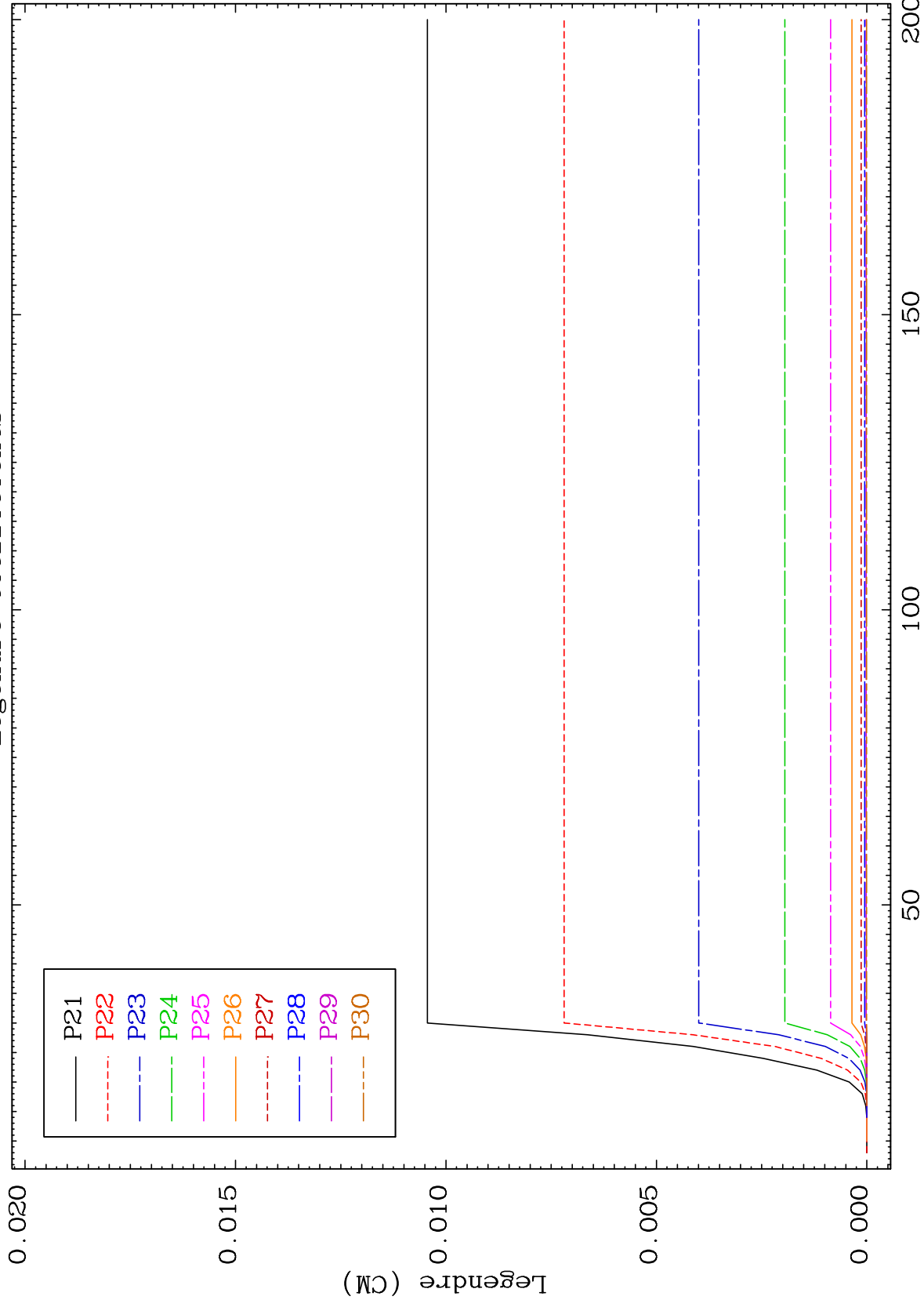
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205



102

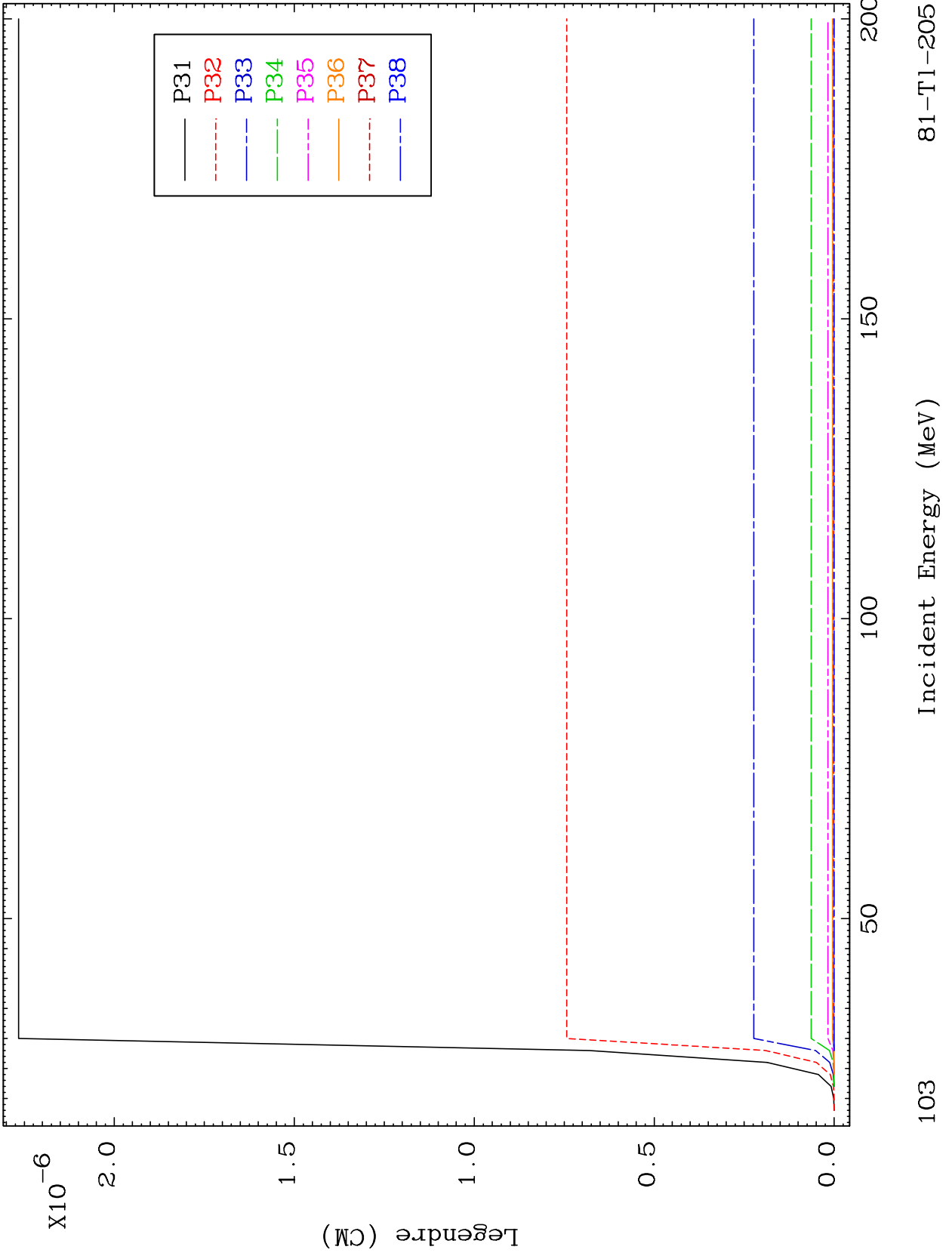
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205



103

Incident Energy (MeV)

81-T1-205

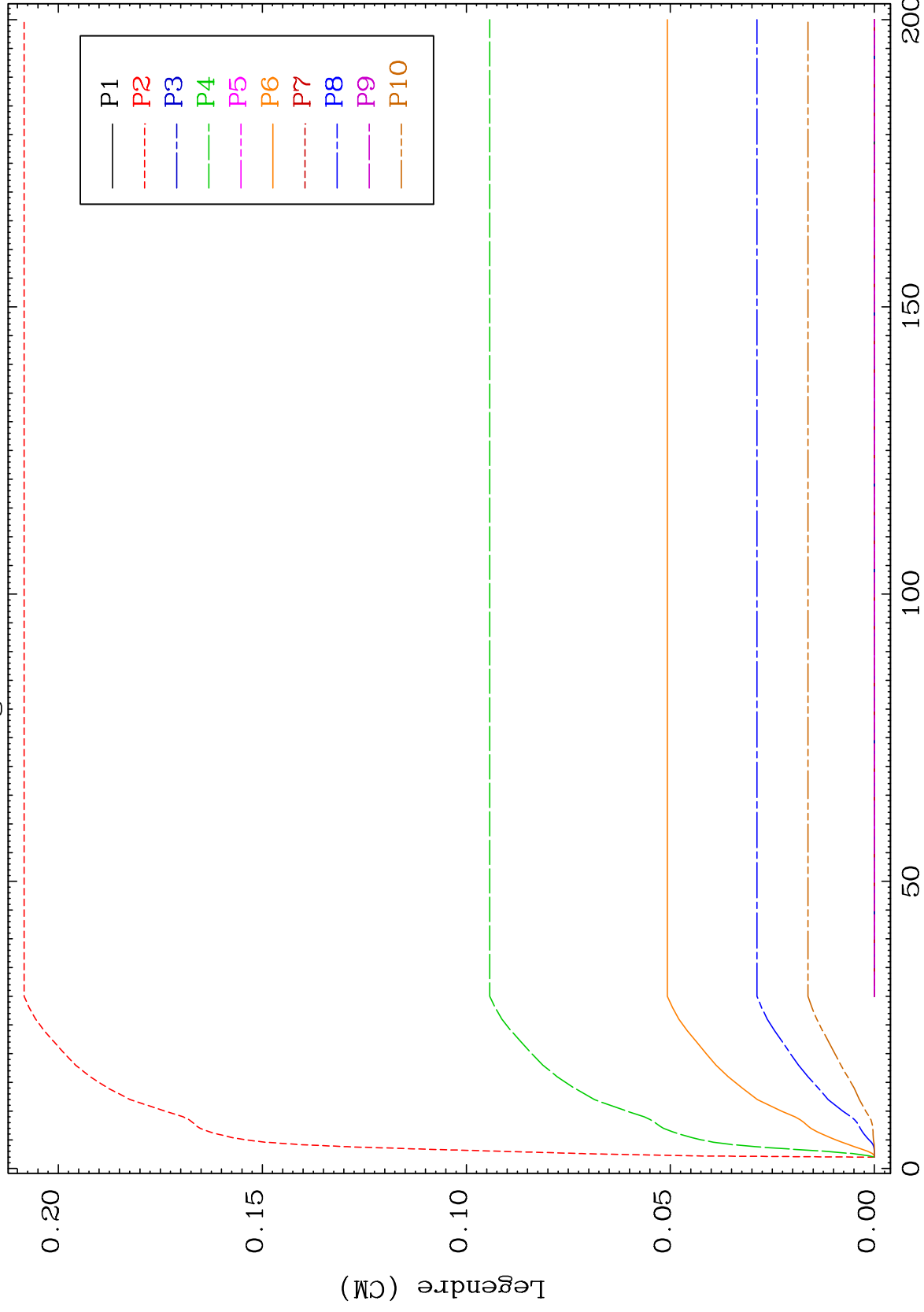


MAT 8131

MT= 75 (n,n') Level

81-T1-205

Legendre Coefficients



104

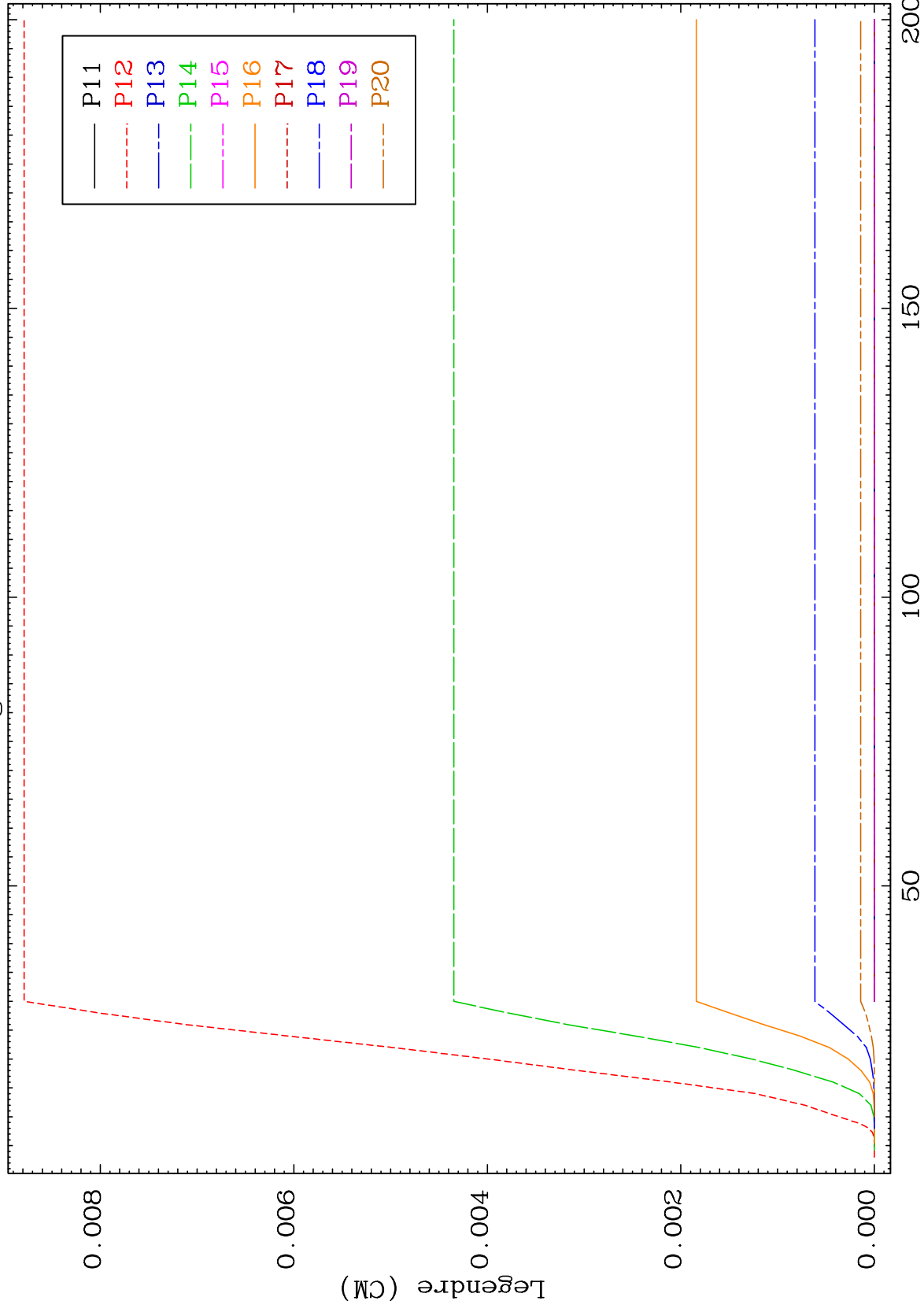
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205



105

Incident Energy (MeV)

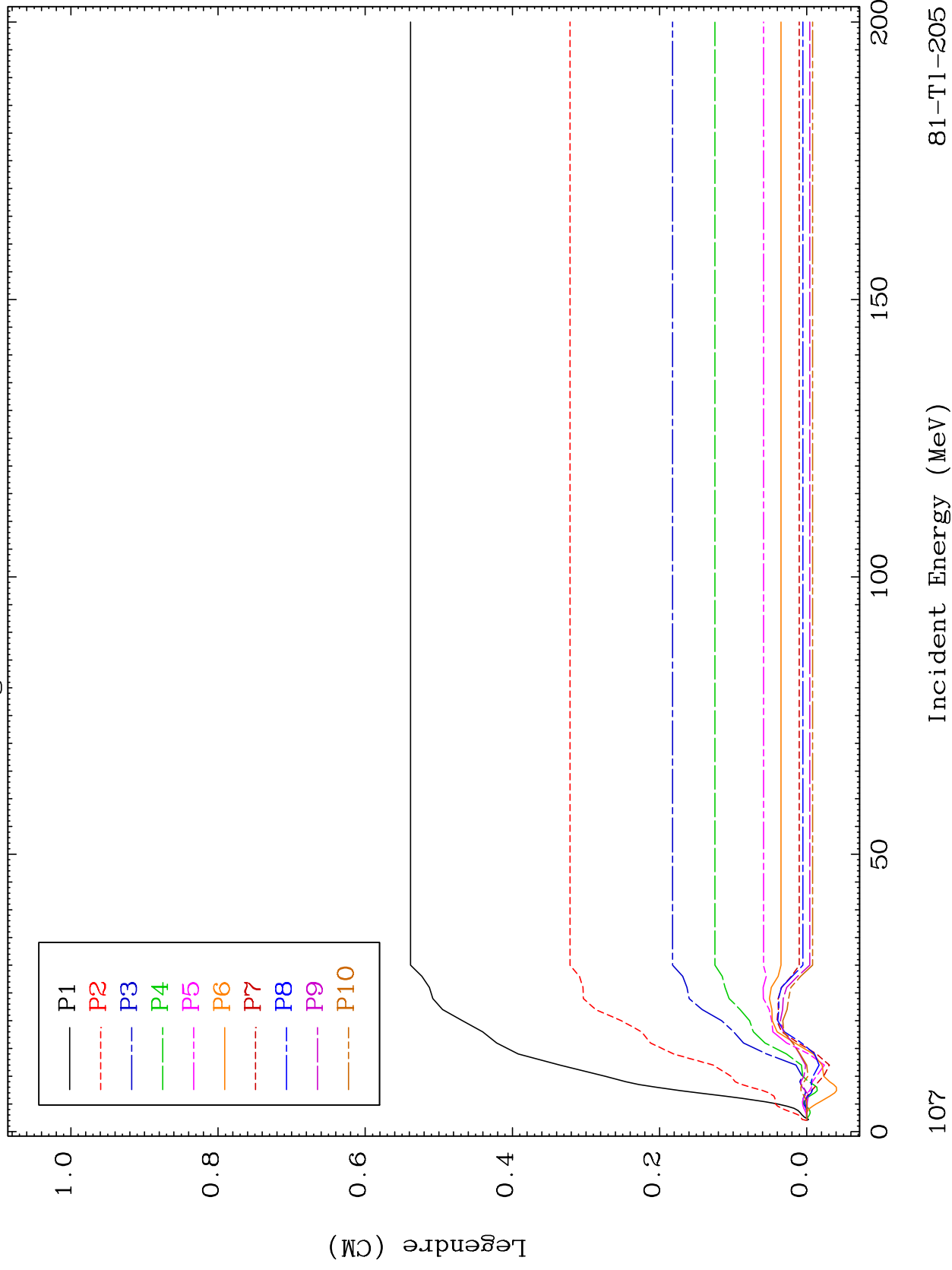
81-T1-205



MAT 8131

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

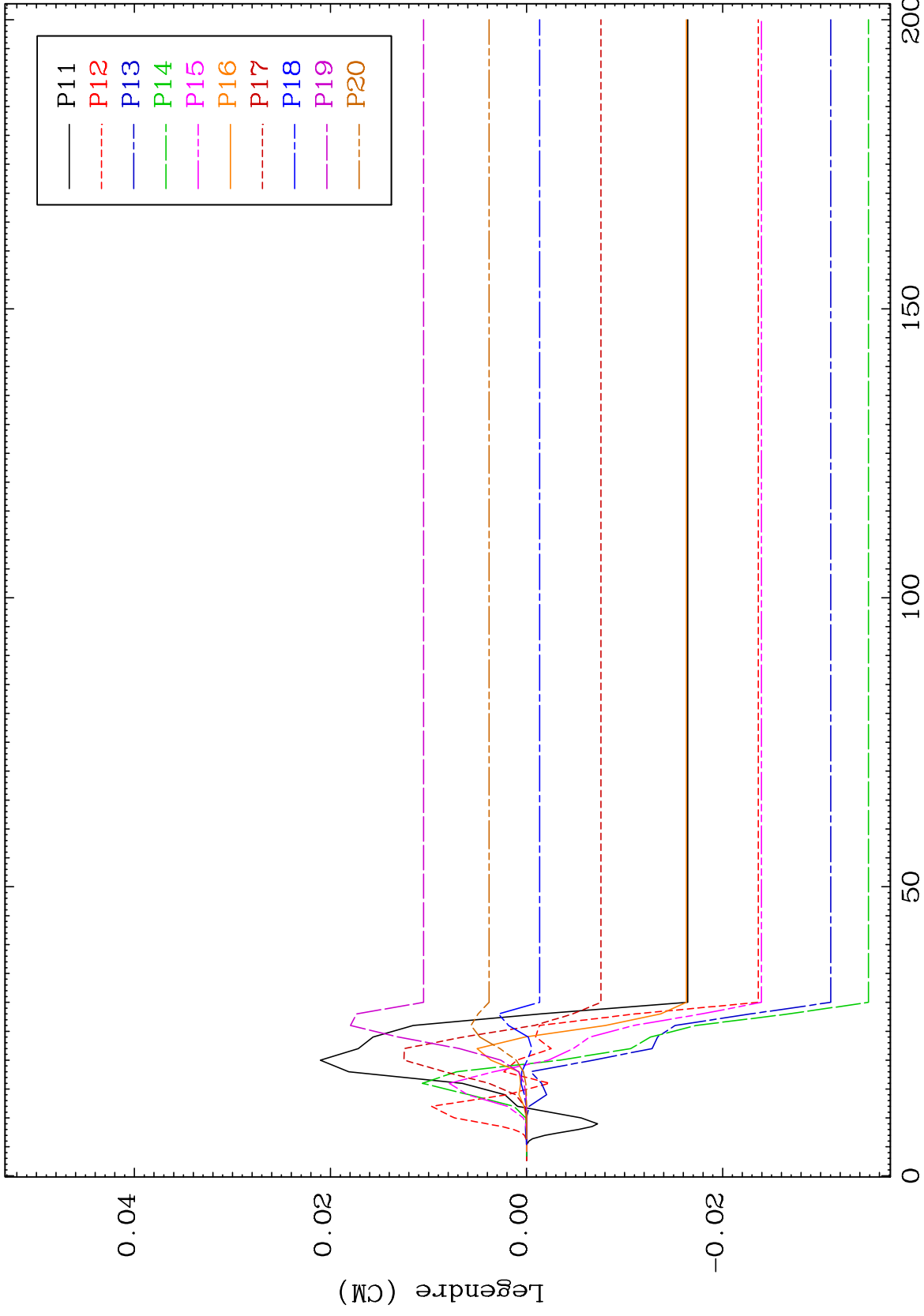
81-T1-205



MAT 8131

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

81-T1-205



108

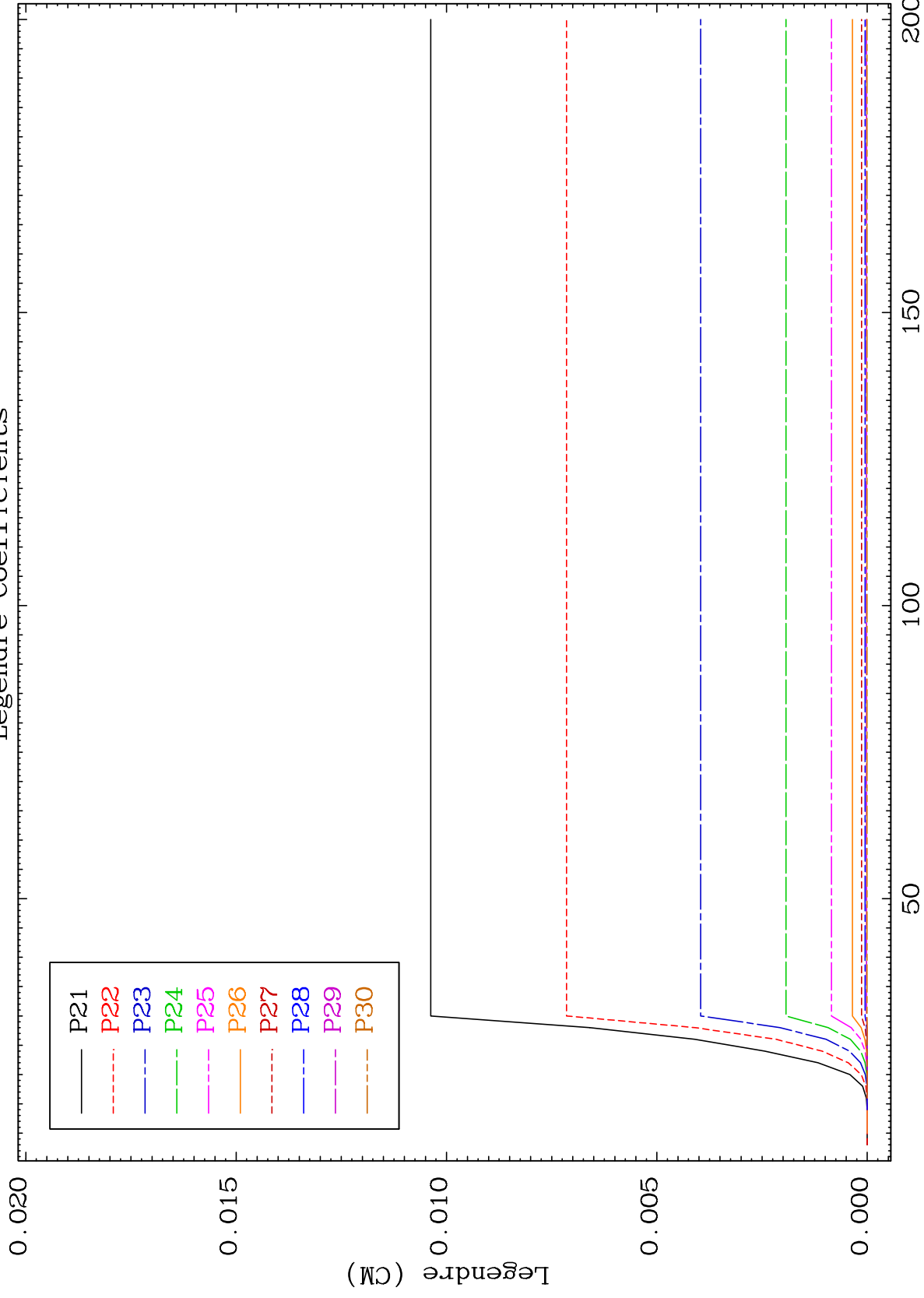
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205



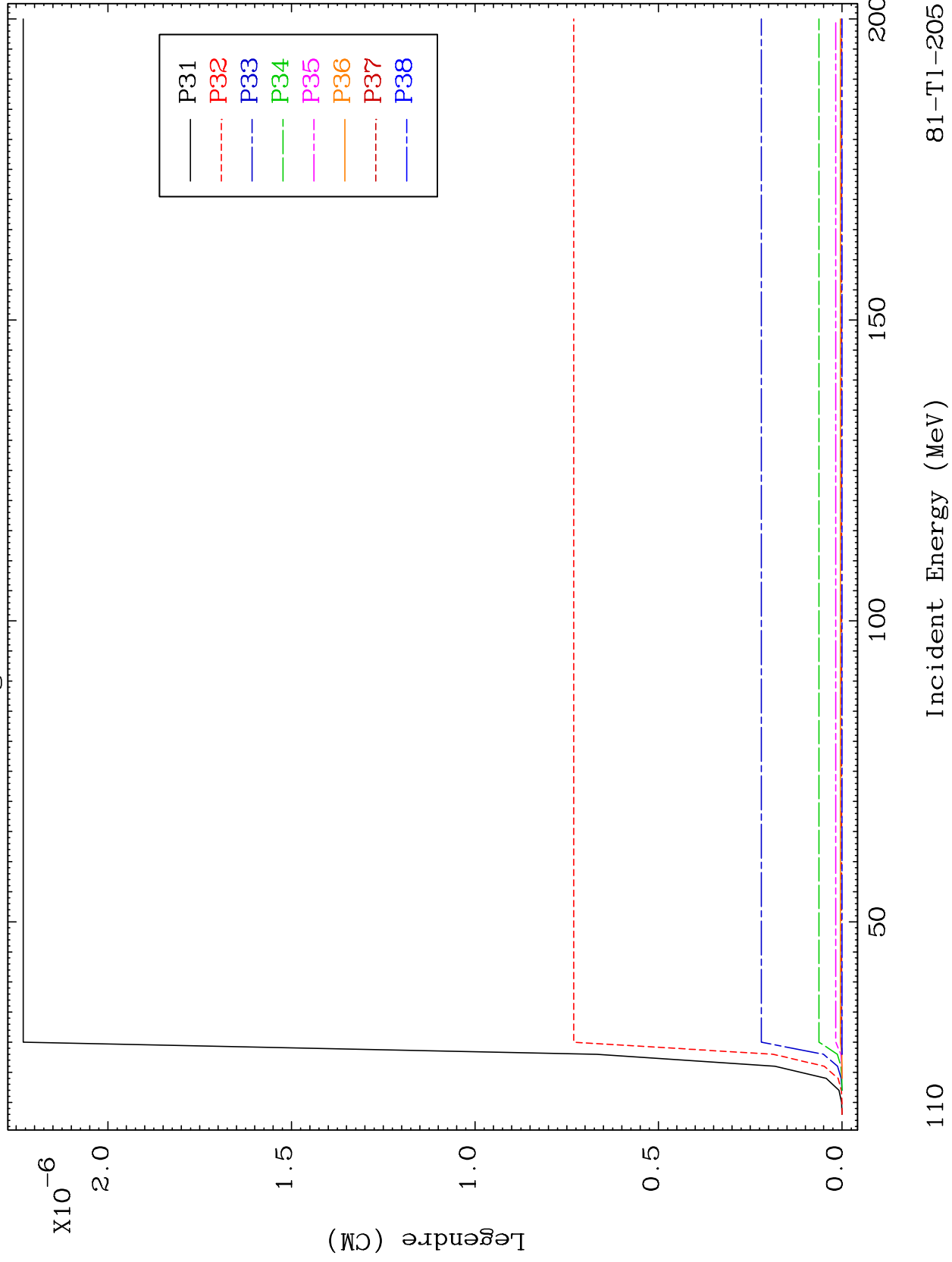
109

81-T1-205

MAT 8131

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

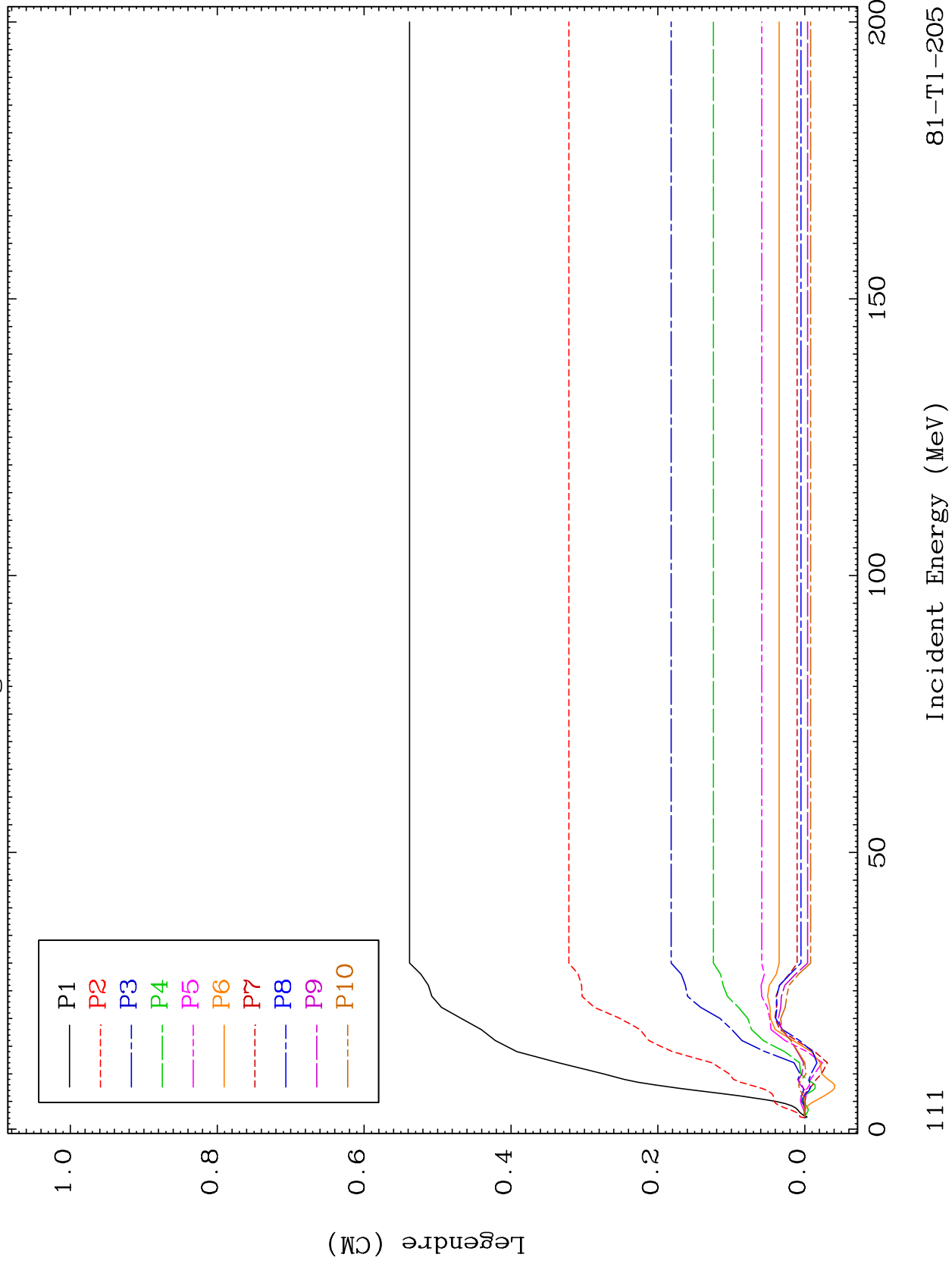
81-T1-205



MAT 8131

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

81-T1-205

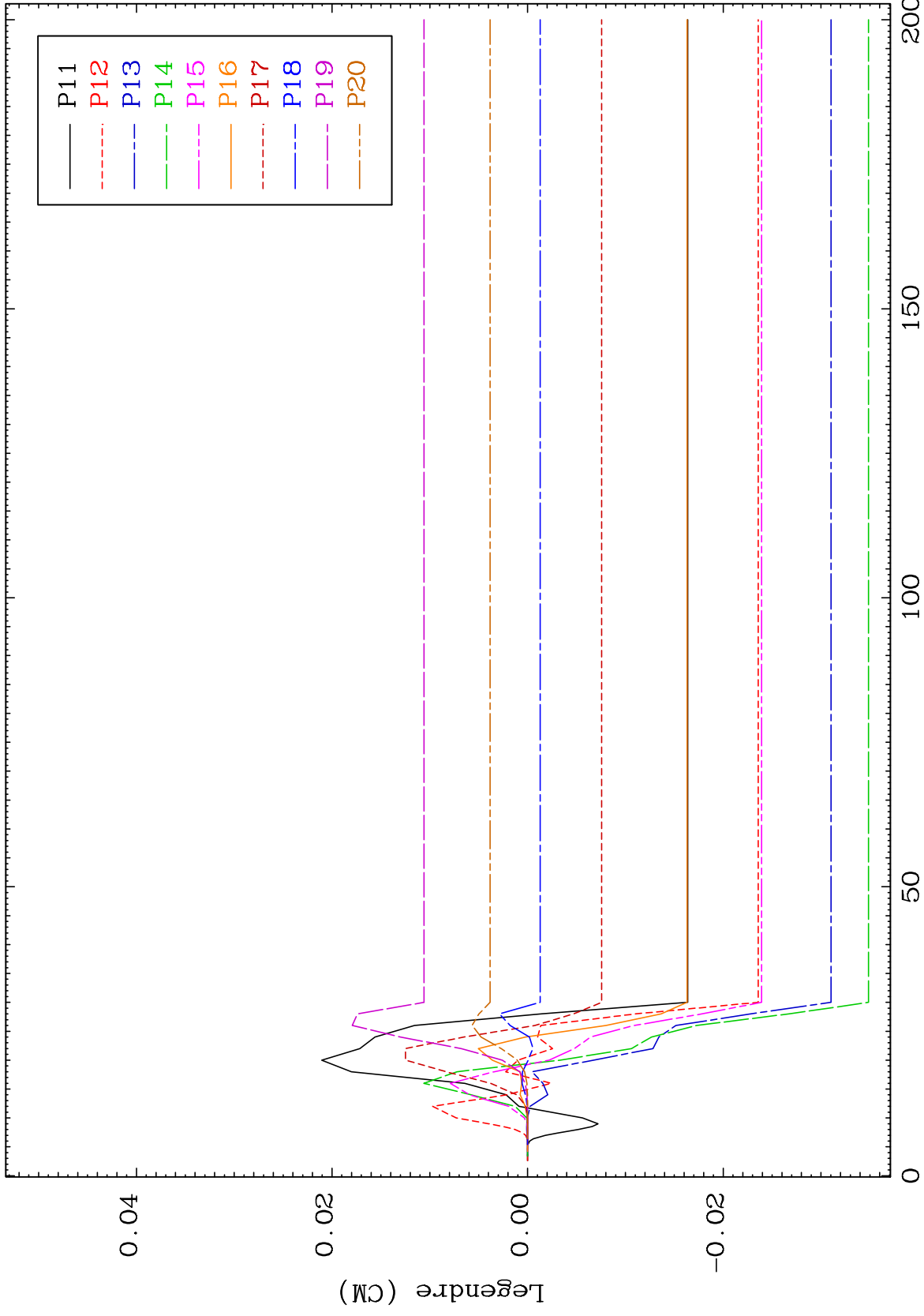




MAT 8131

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

81-T1-205



112

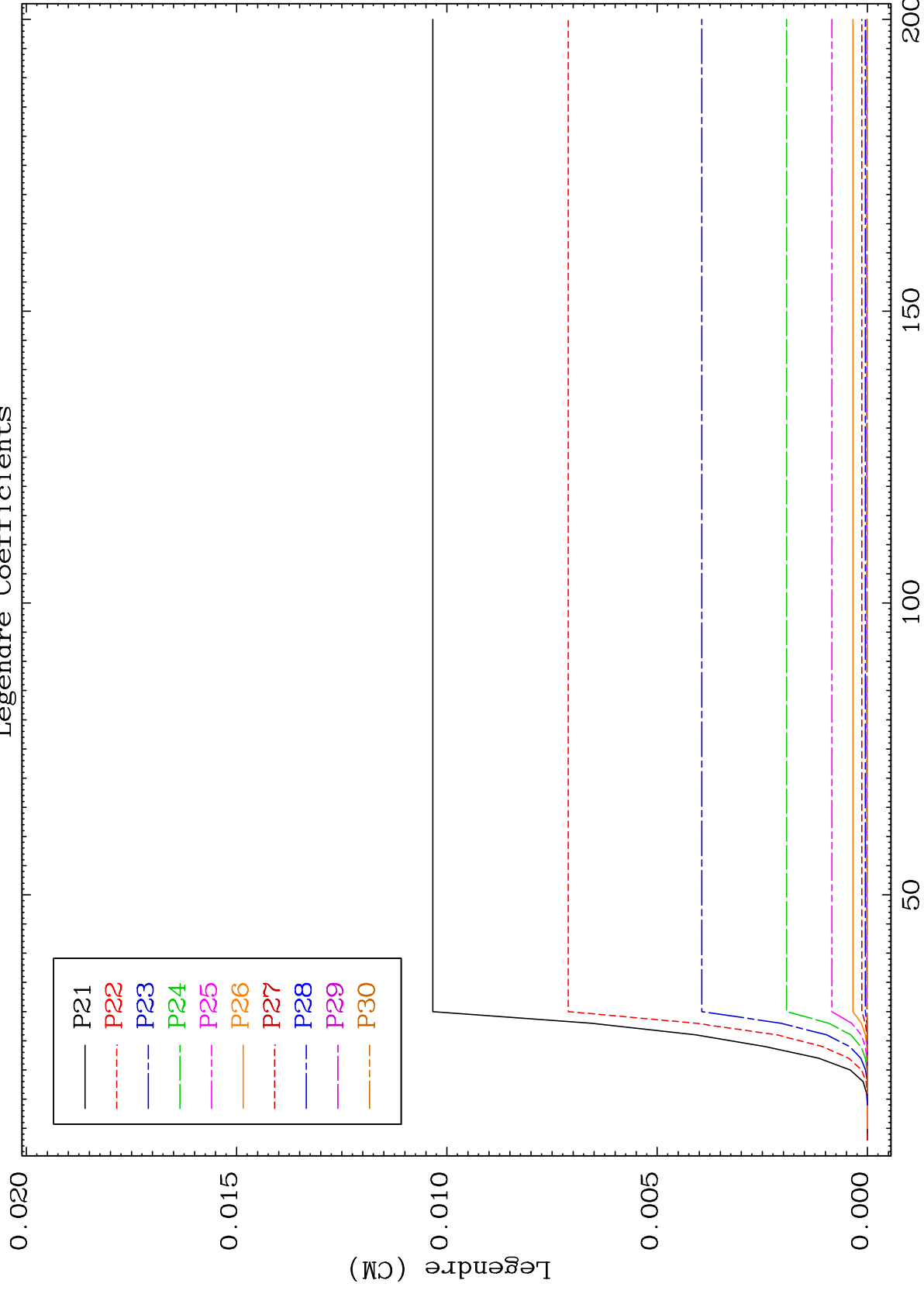
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205



113

Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205

$\times 10^{-6}$   
2.0

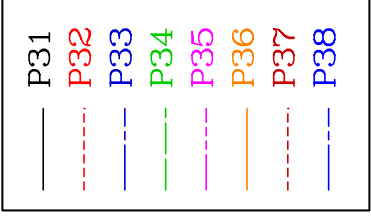
1.5

1.0

0.5

0.0

Legendre (CM)



50

100

150

200

114

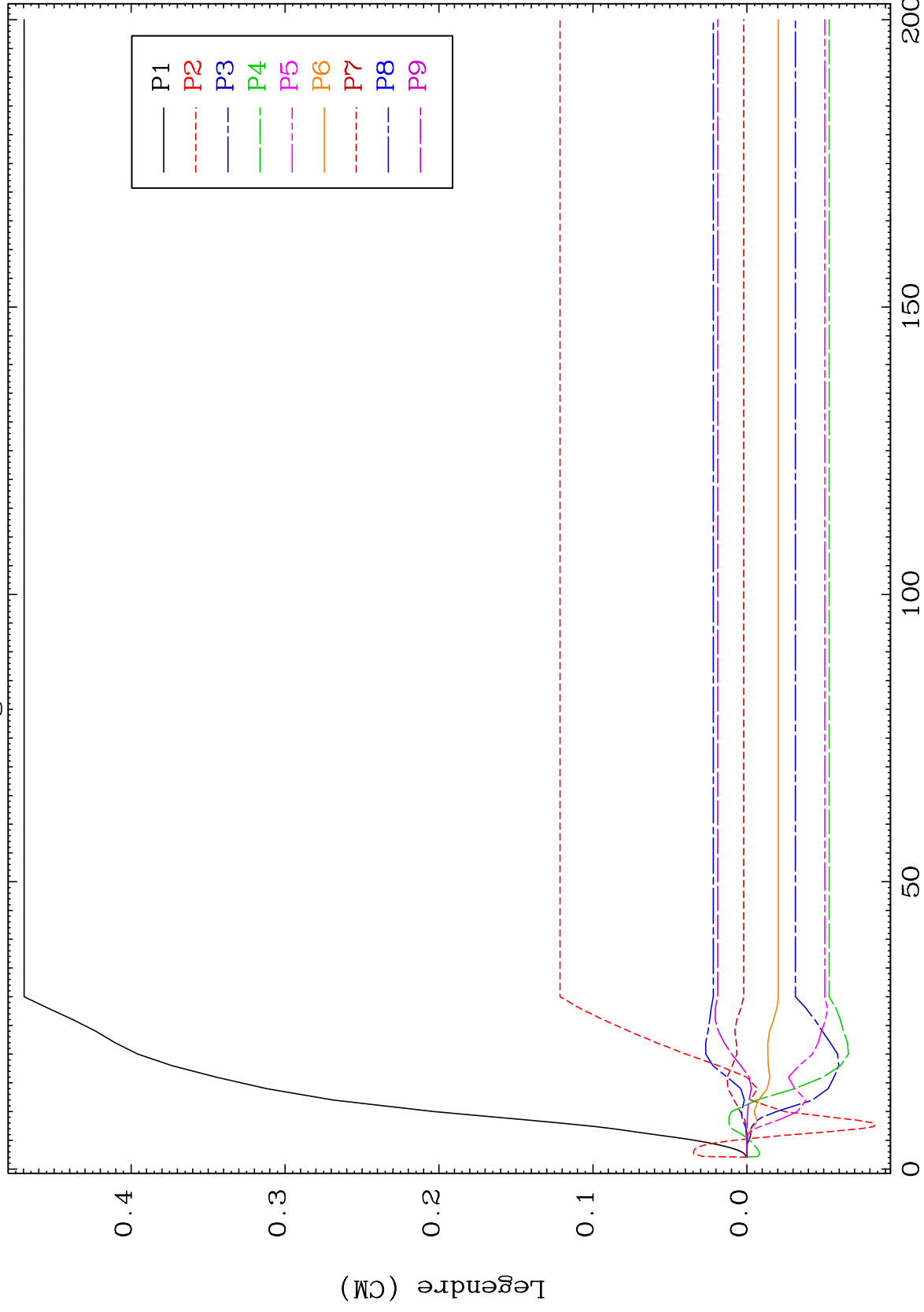
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205



81-T1-205

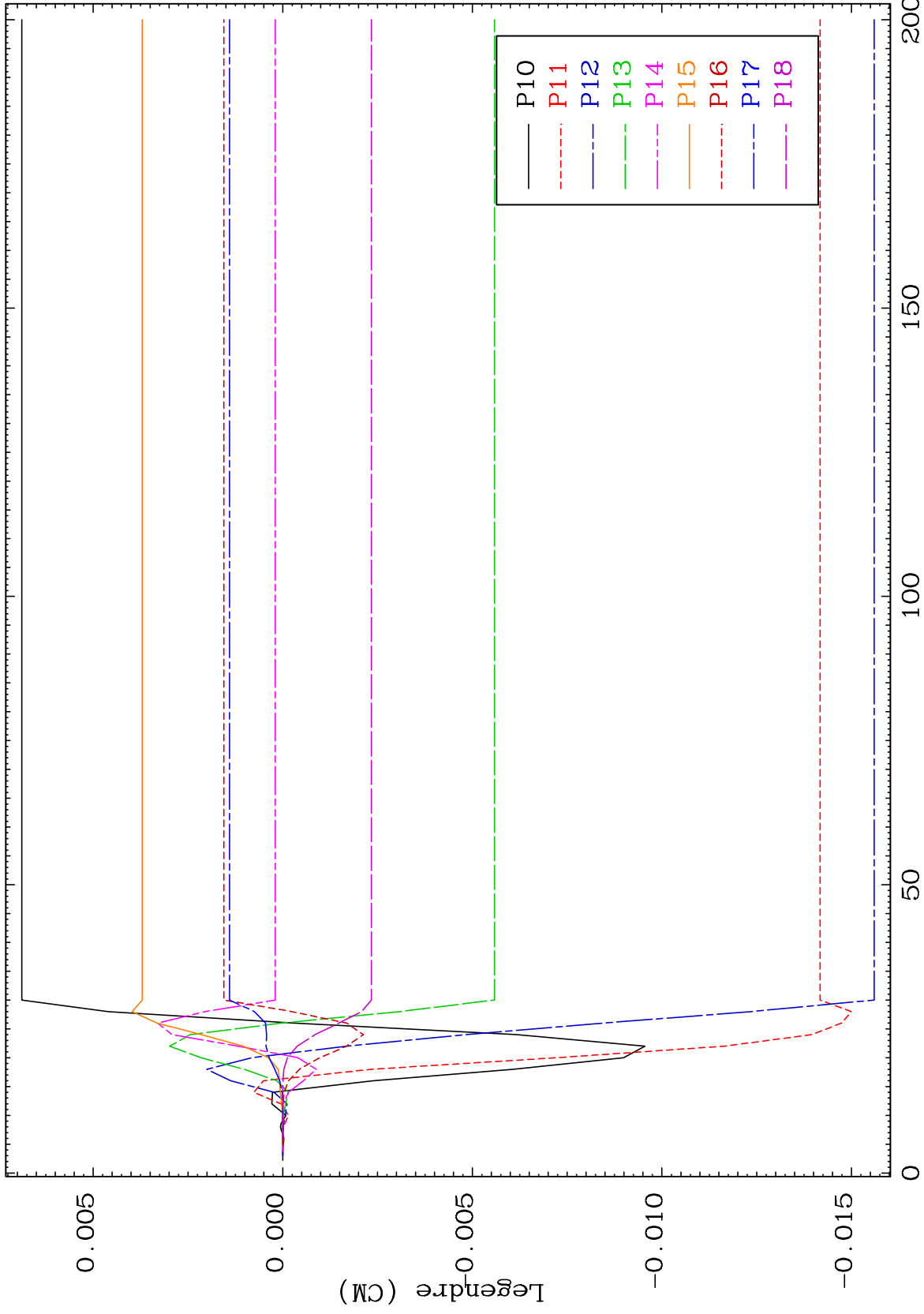
Incident Energy (MeV)

115

MAT 8131

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

81-T1-205



116

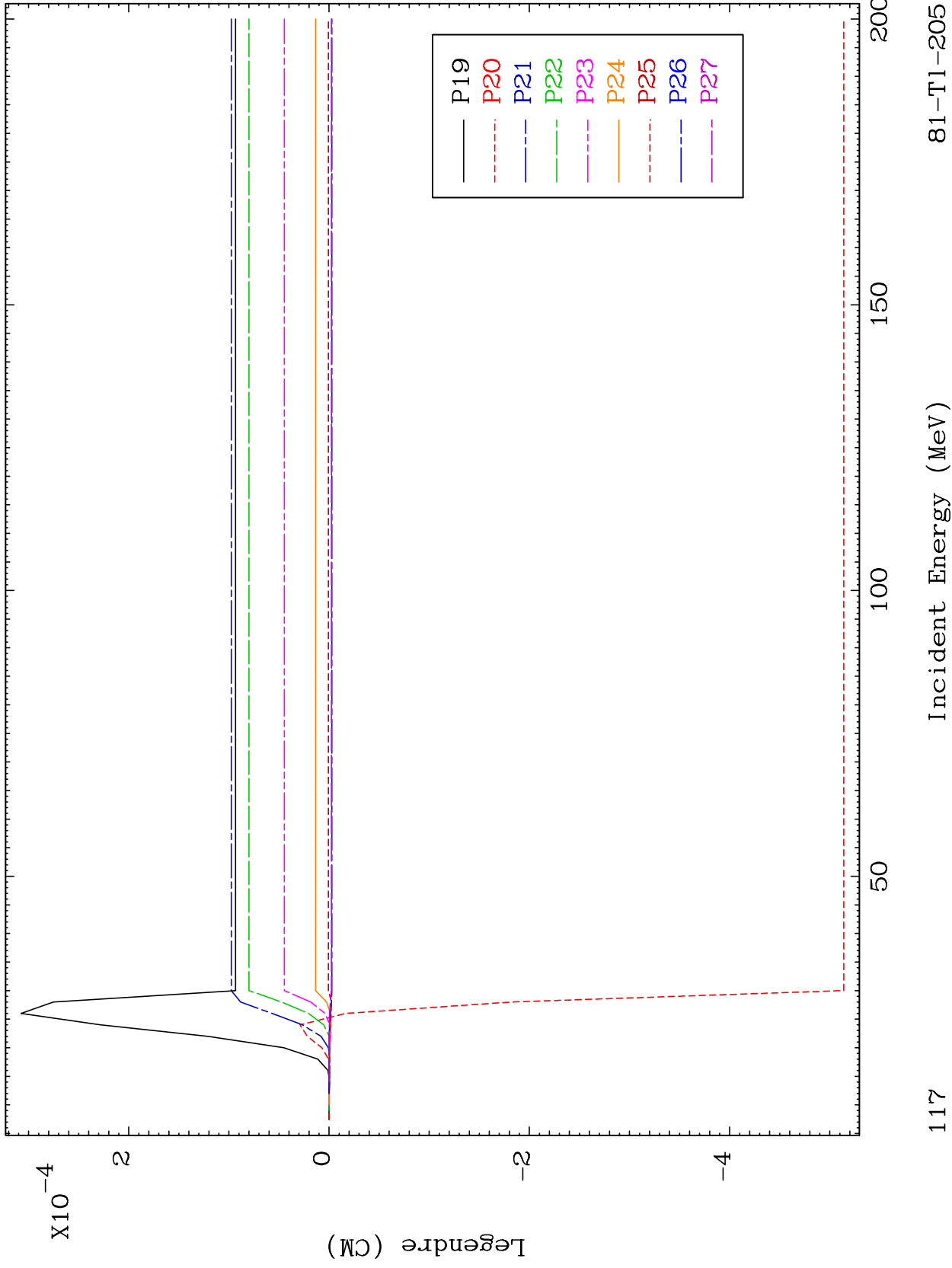
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205



117

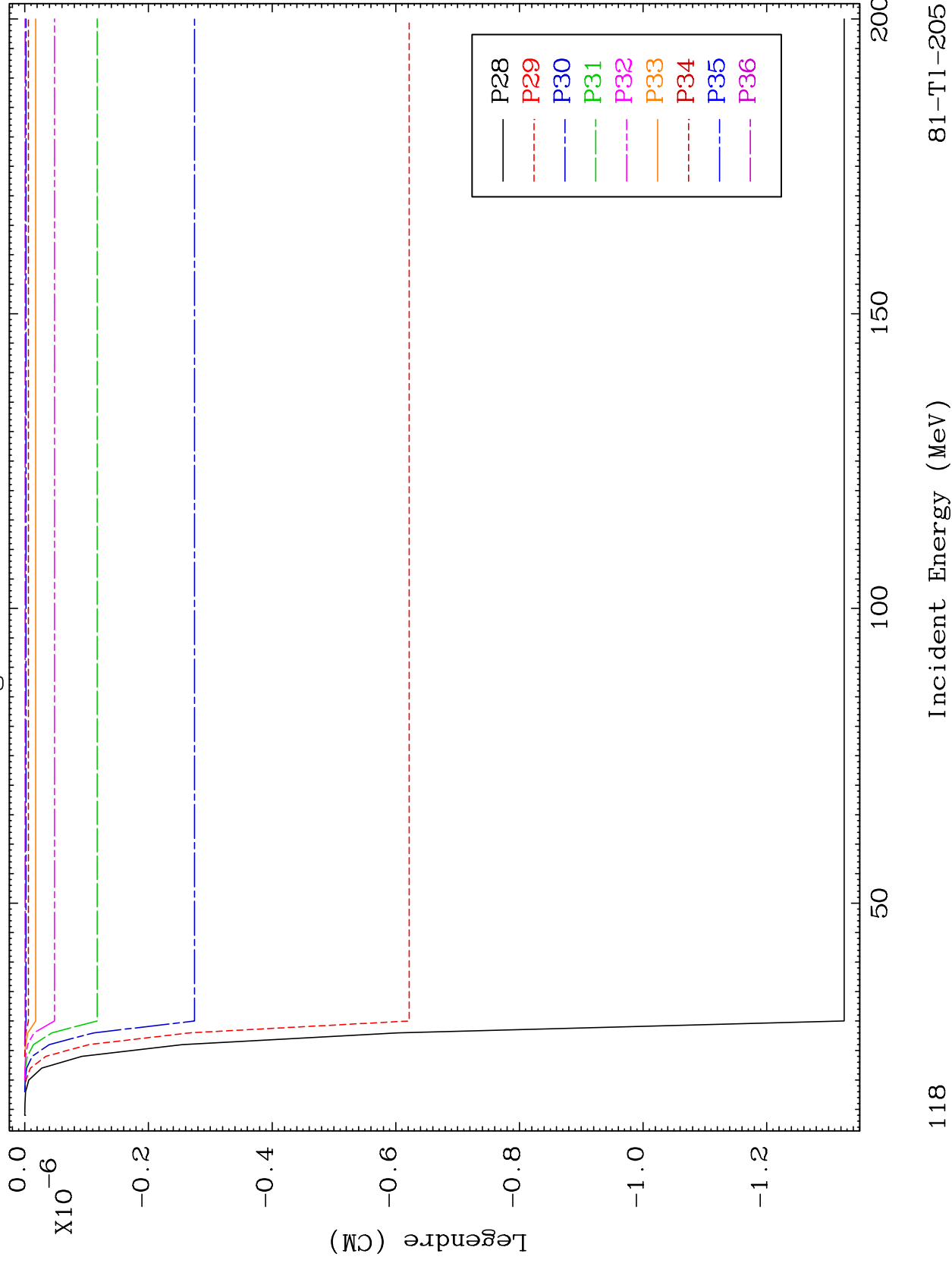
Incident Energy (MeV)

81-T1-205

MAT 8131

81-T1-205

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



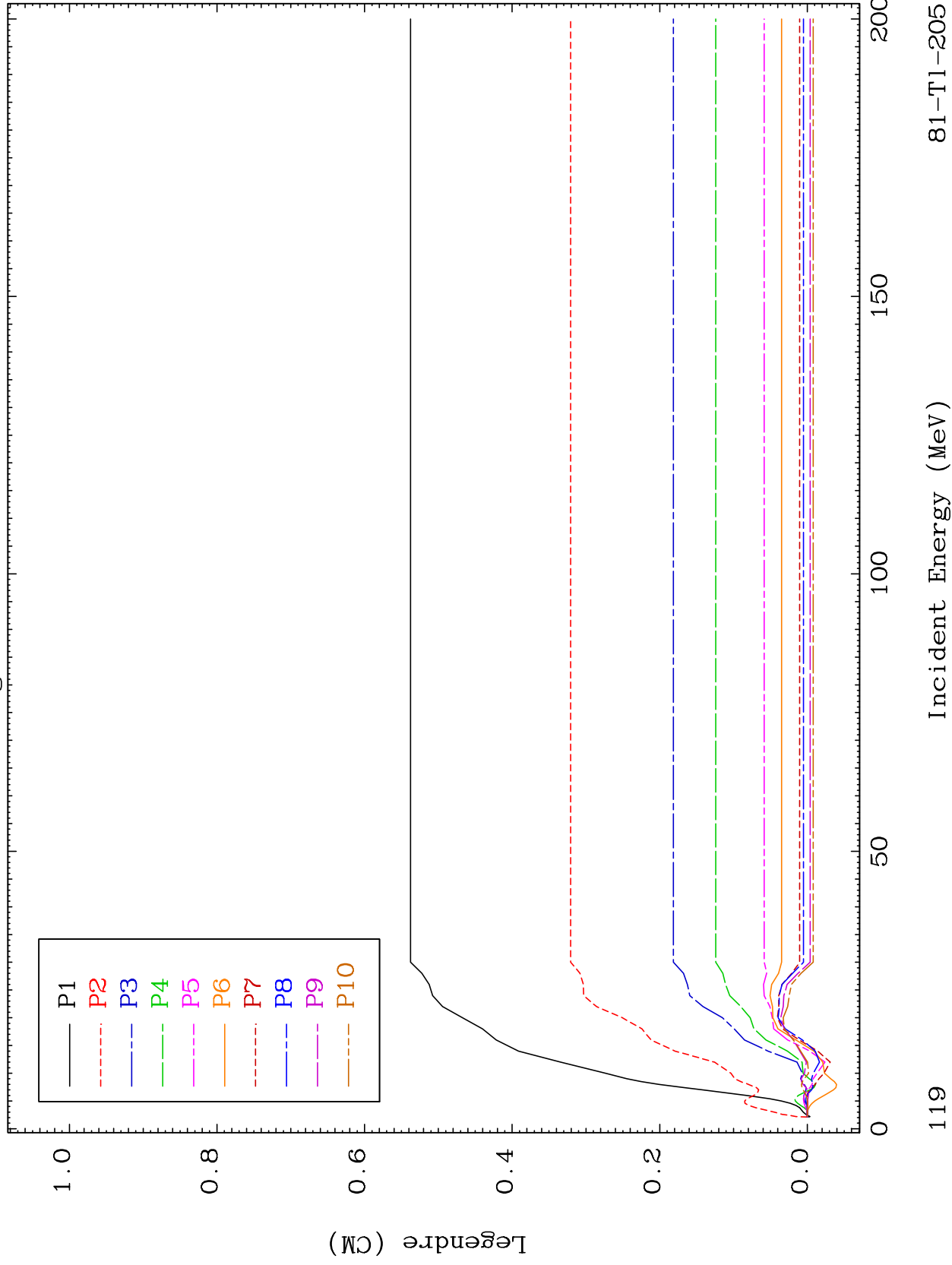
118

81-T1-205

MAT 8131

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

81-T1-205



119

Incident Energy (MeV)

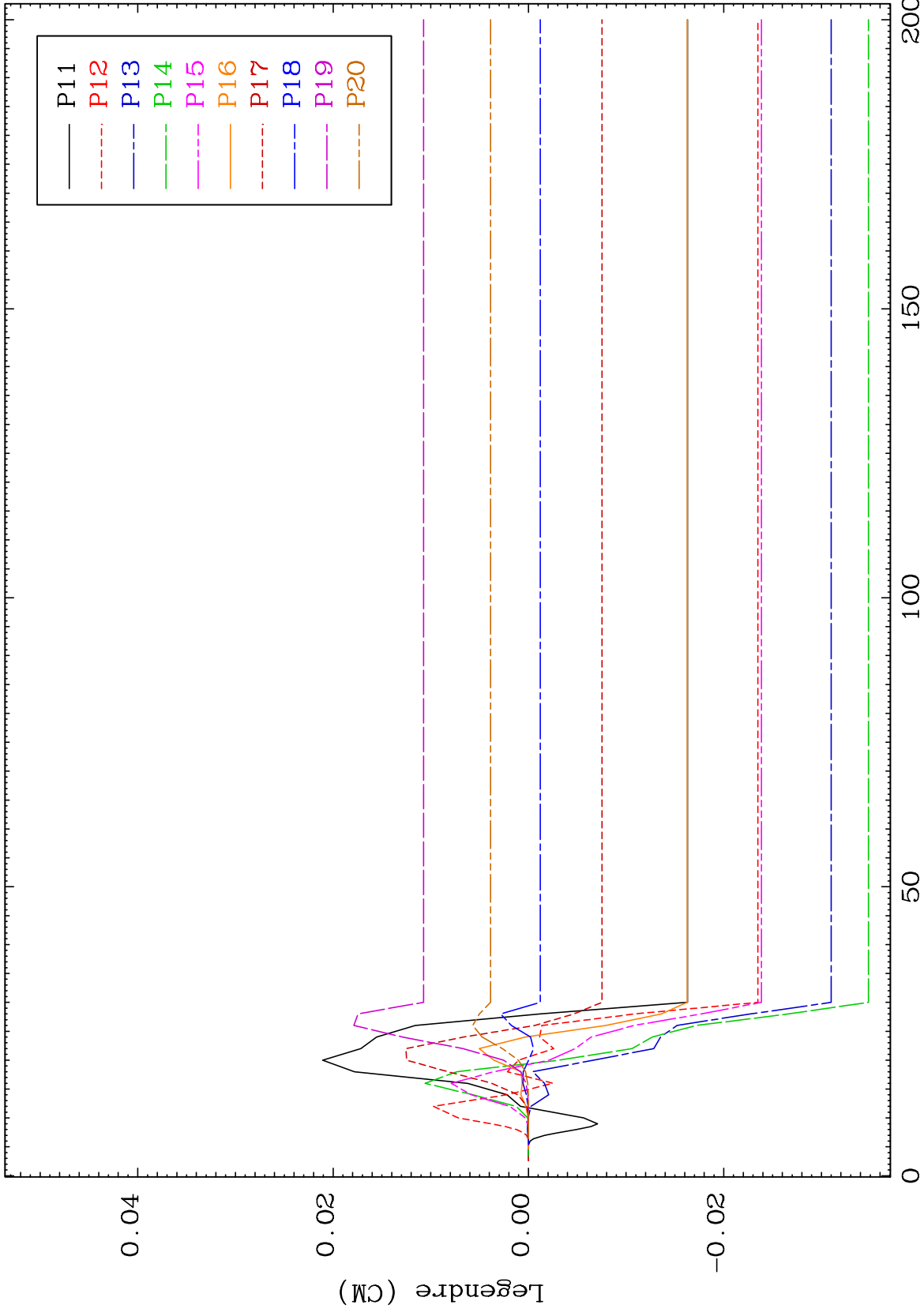
81-T1-205



MAT 8131

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

81-T1-205



120

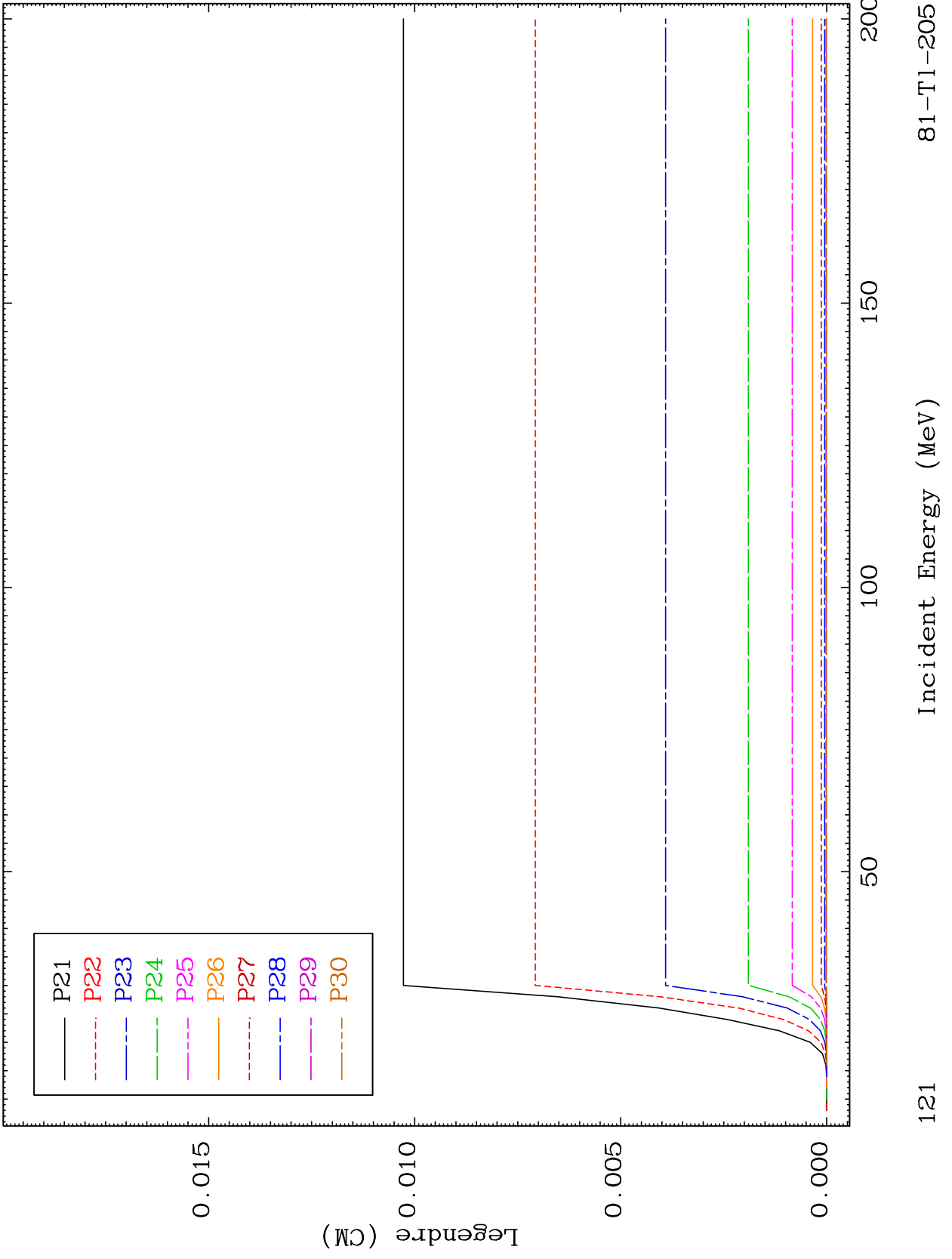
Incident Energy (MeV)

81-T1-205

MAT 8131

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

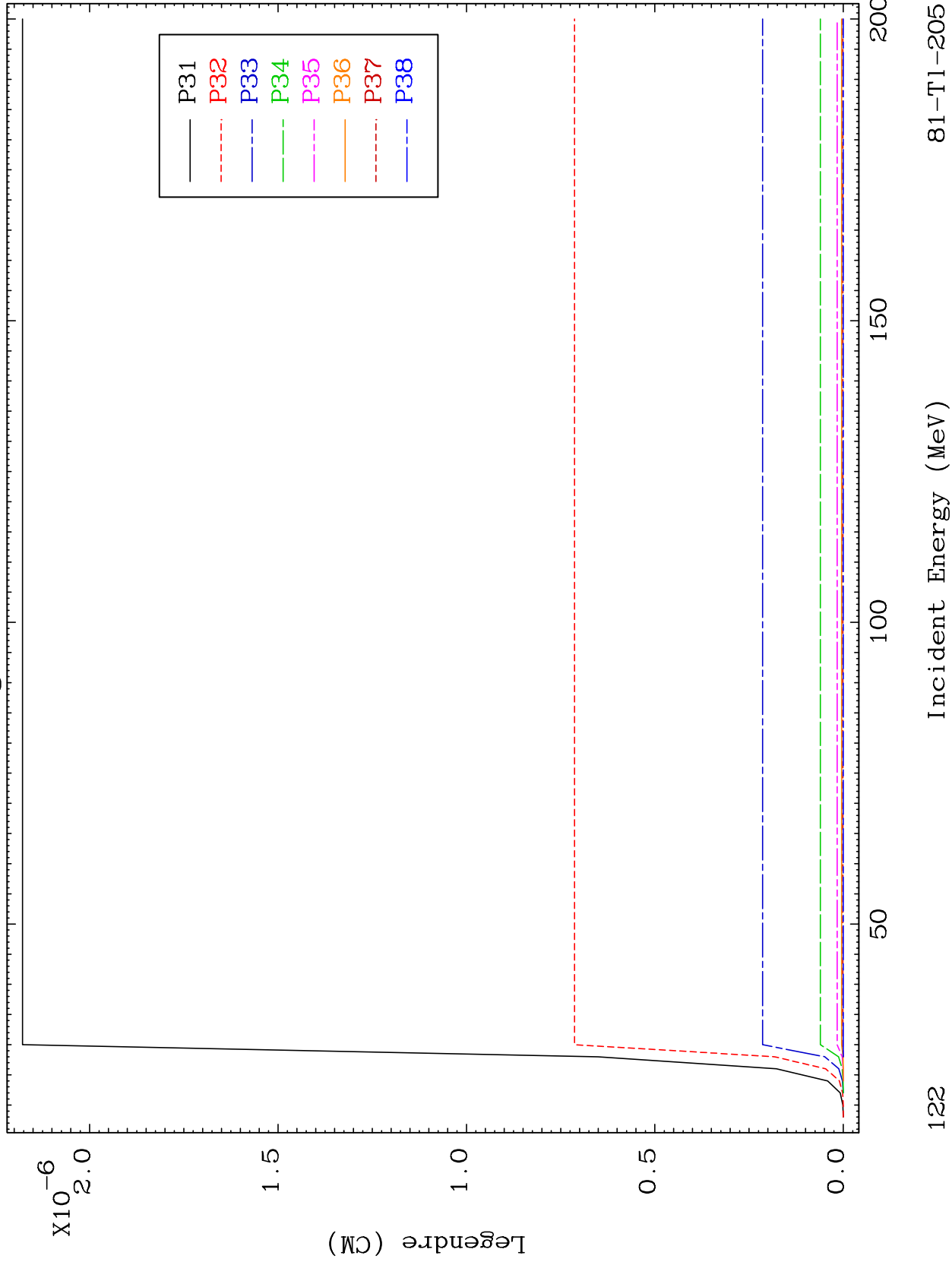
81-Tl-205



MAT 8131

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

81-T1-205



122

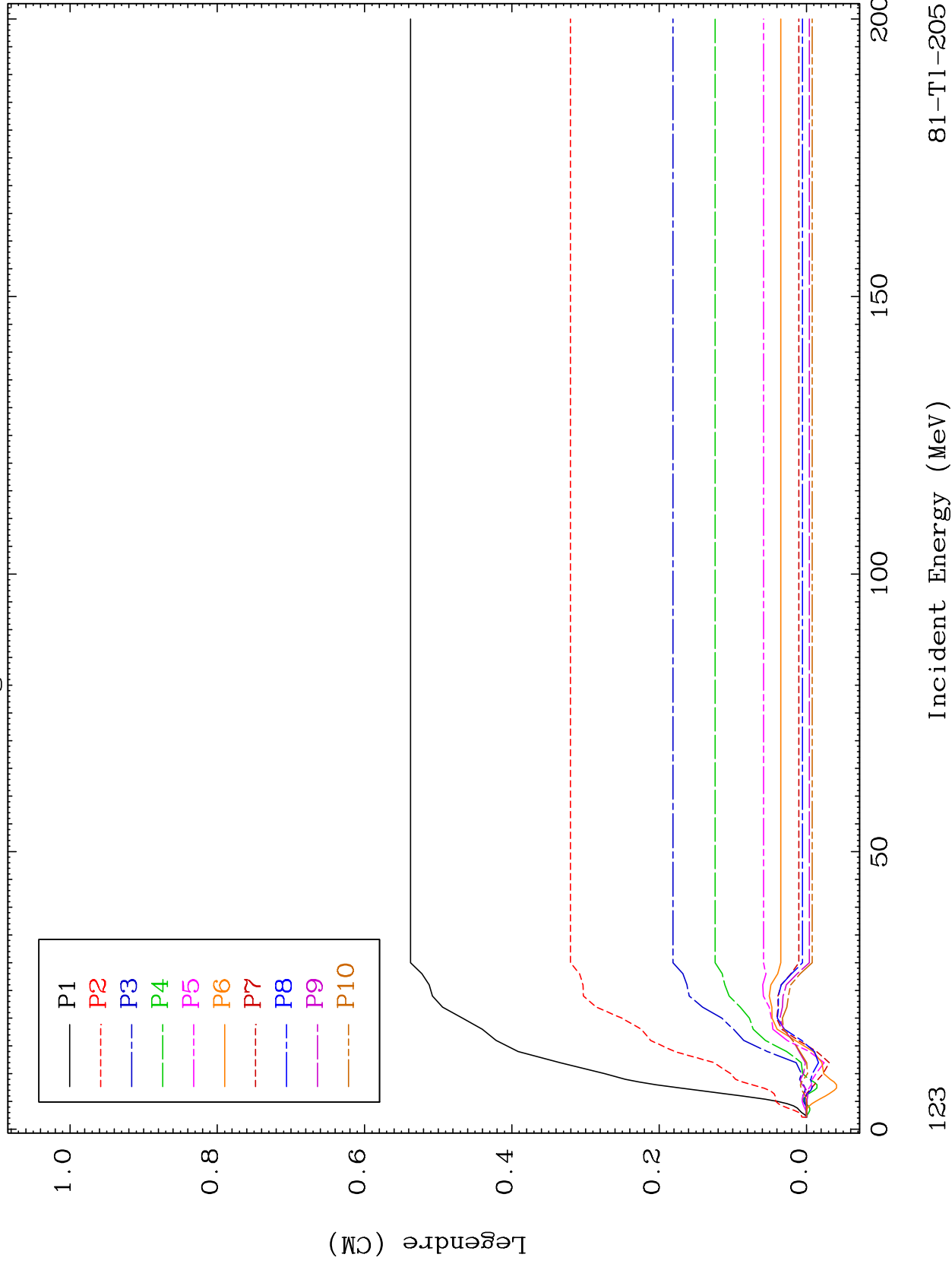
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205



123

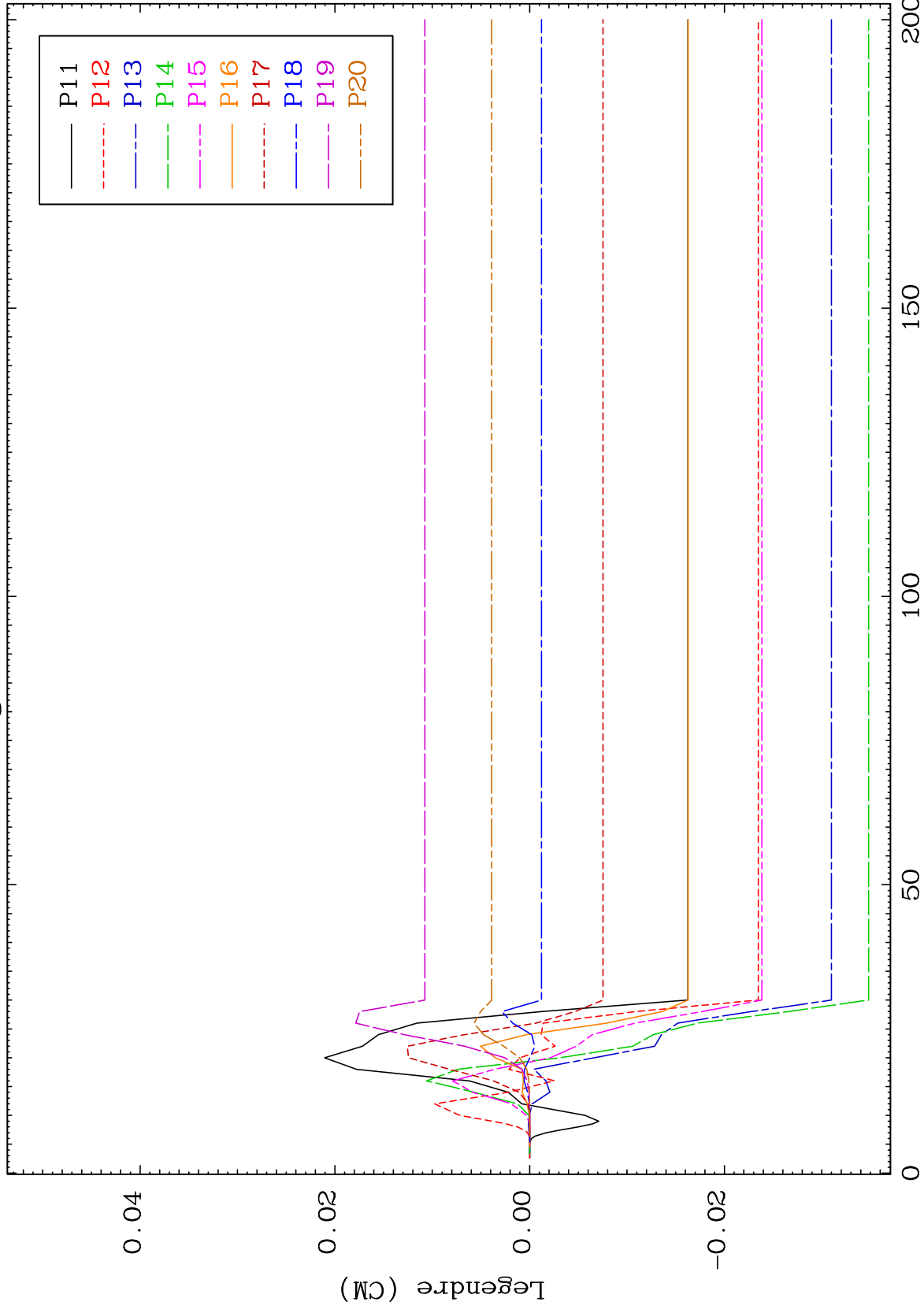
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-T1-205



124

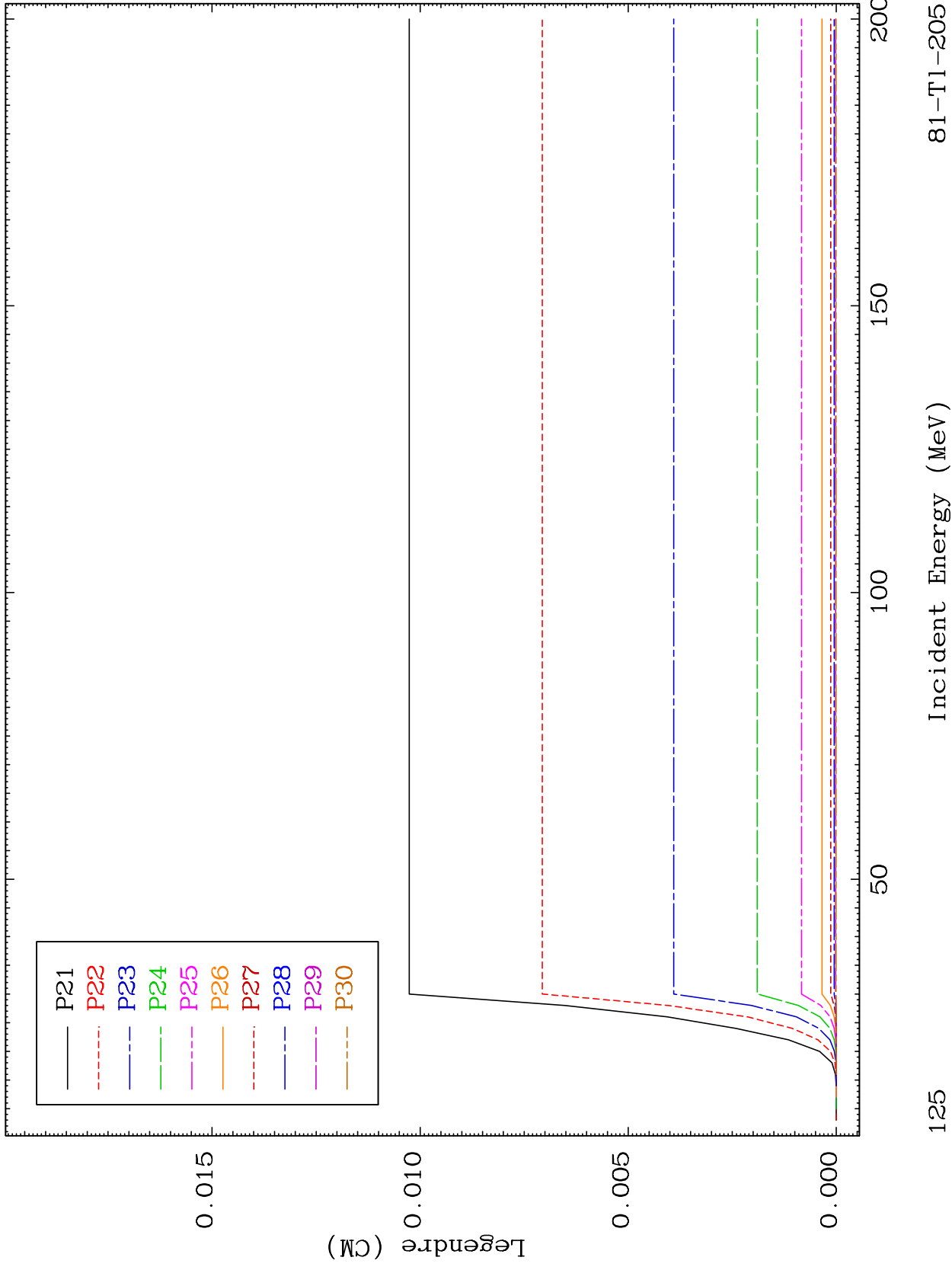
Incident Energy (MeV)

81-T1-205

MAT 8131

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

81-Tl-205



125

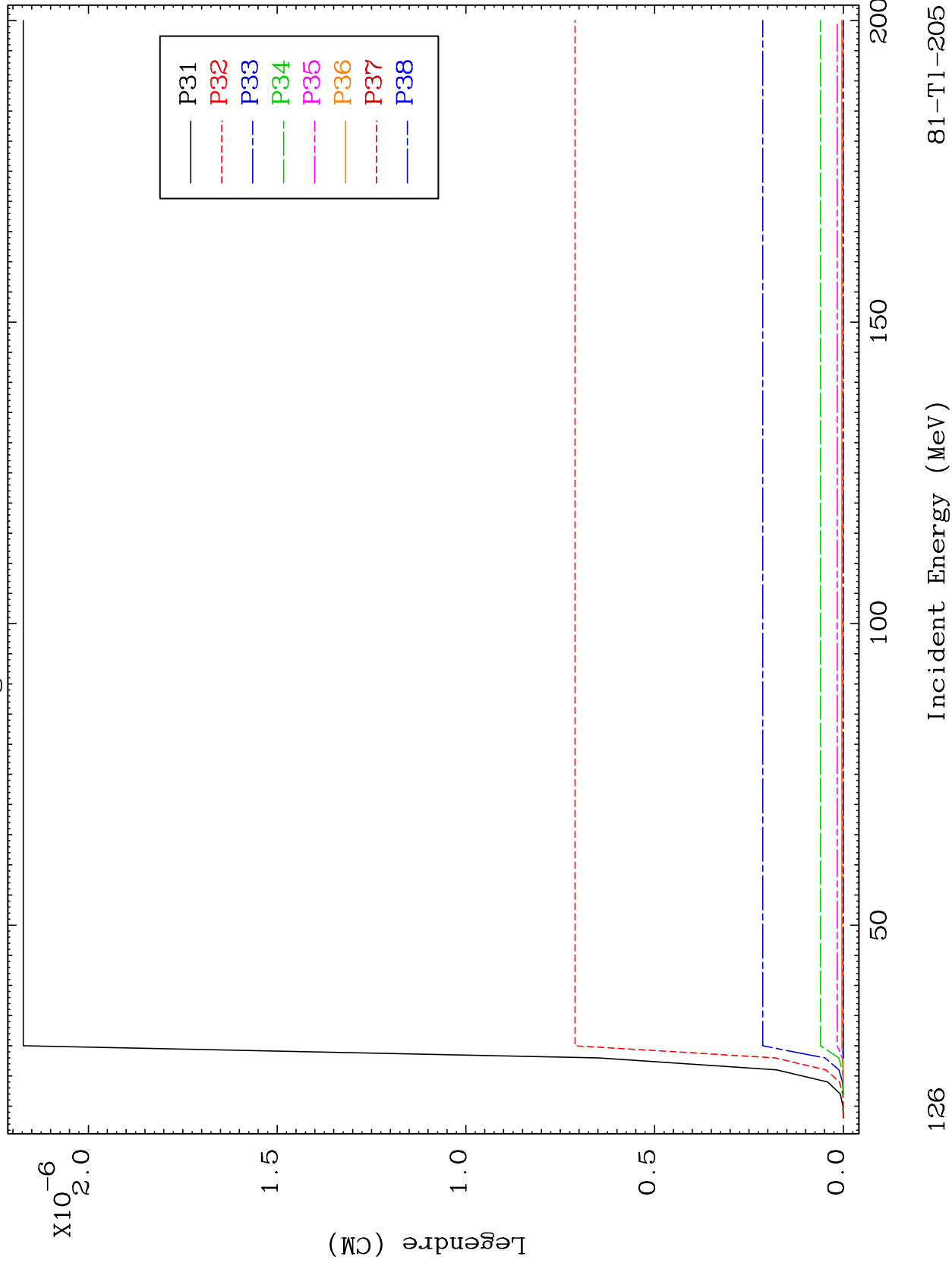
Incident Energy (MeV)

81-Tl-205

MAT 8131

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

81-T1-205



126

Incident Energy (MeV)

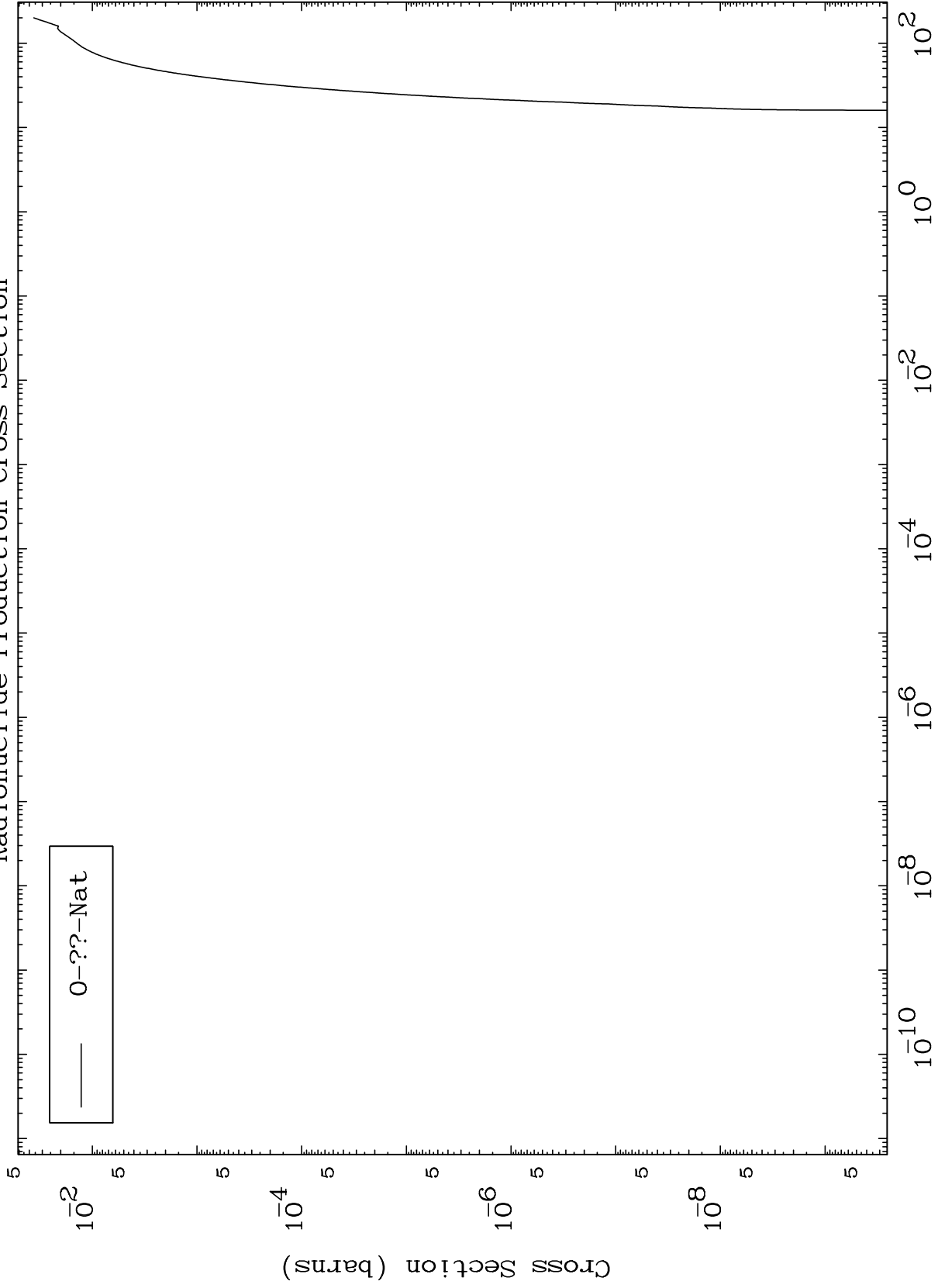
81-T1-205

MAT 8131

Fission

81-Tl-205

Radionuclide Production Cross Section



127

Incident Energy (MeV)

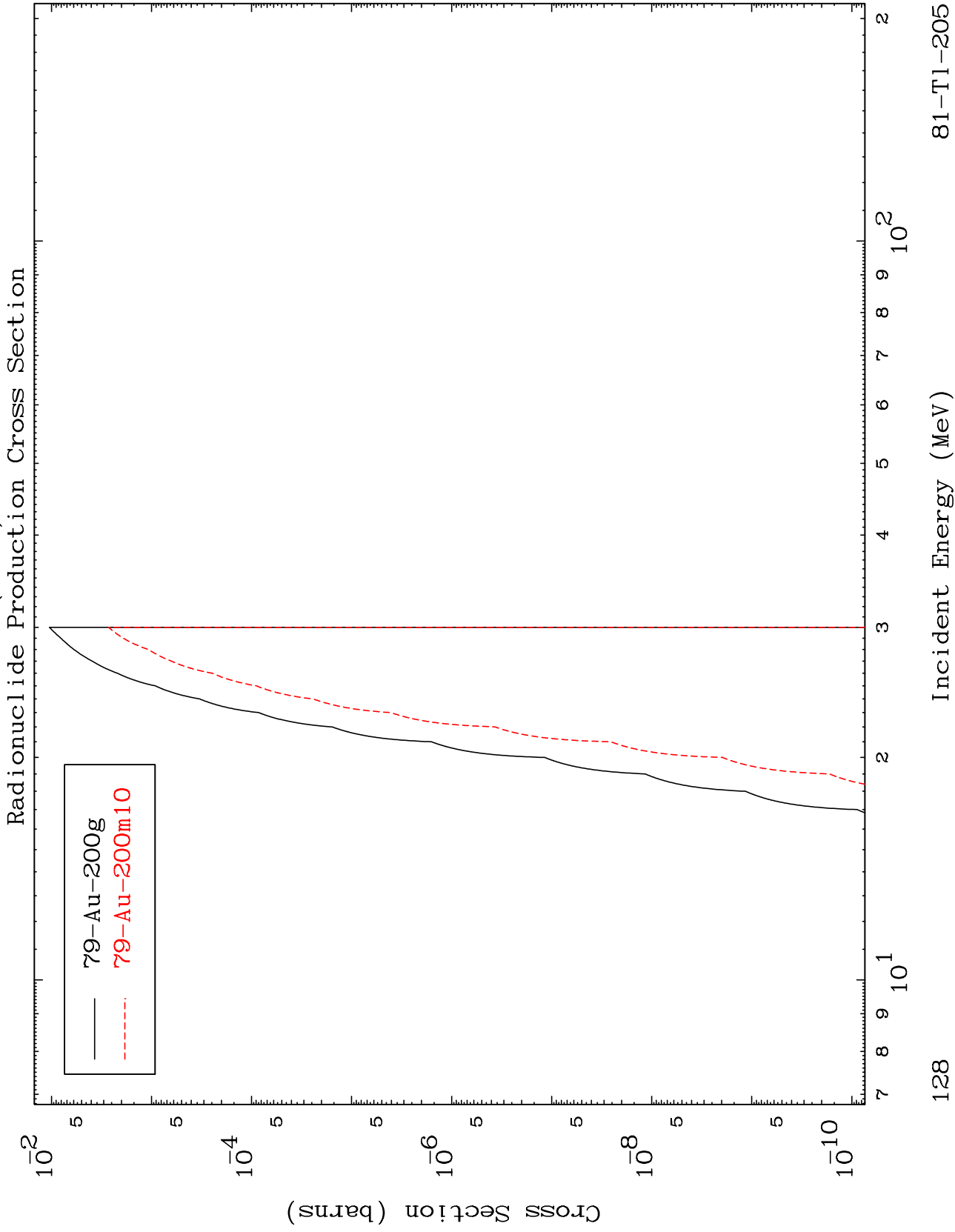
81-Tl-205



MAT 8131

(n,2n)  $\alpha$

81-Tl-205



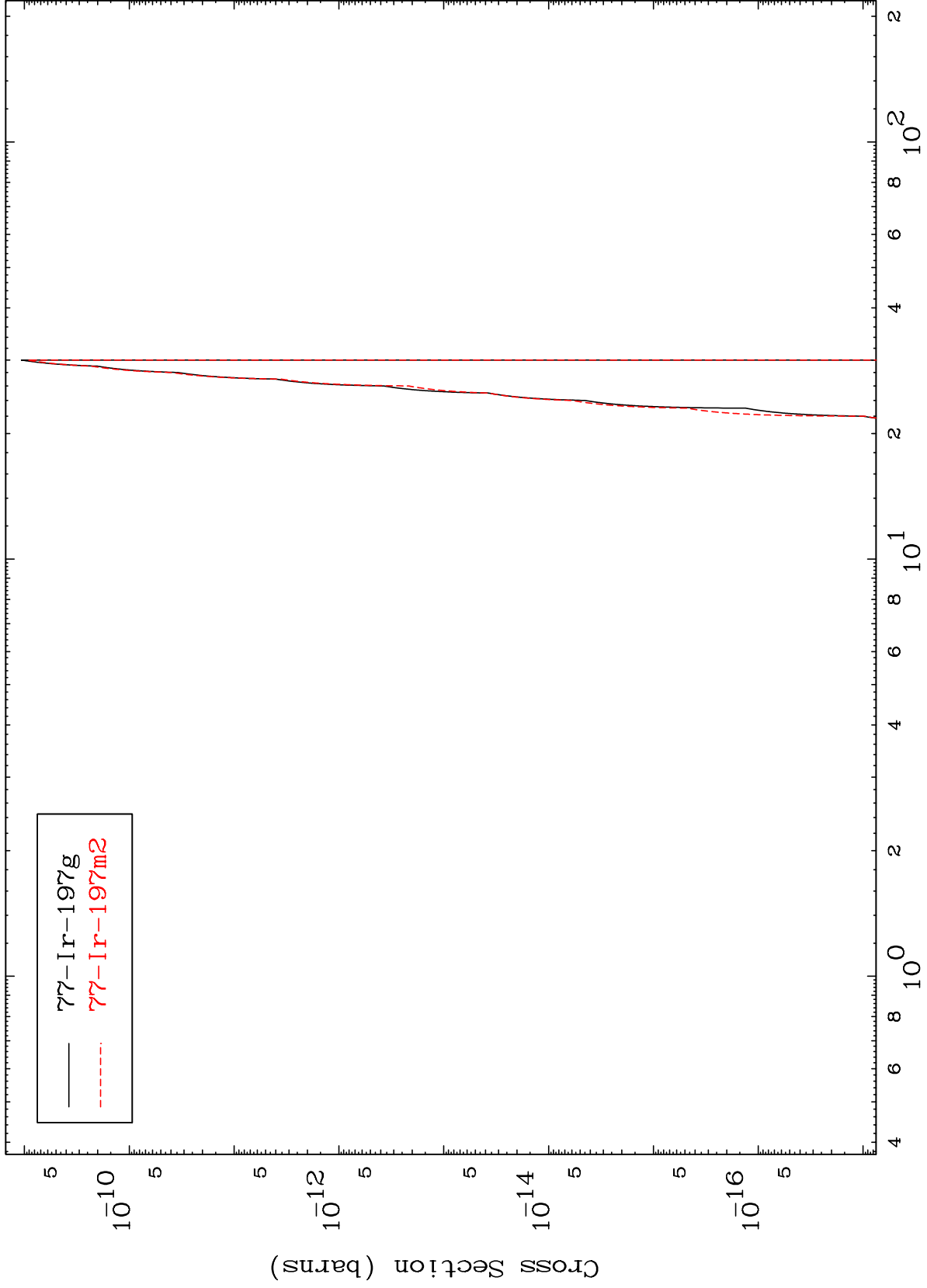
128

MAT 8131

(n,n') 2α

81-Tl-205

Radionuclide Production Cross Section



129

Incident Energy (MeV)

81-Tl-205

MAT 8131

81-Tl-205

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

