

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

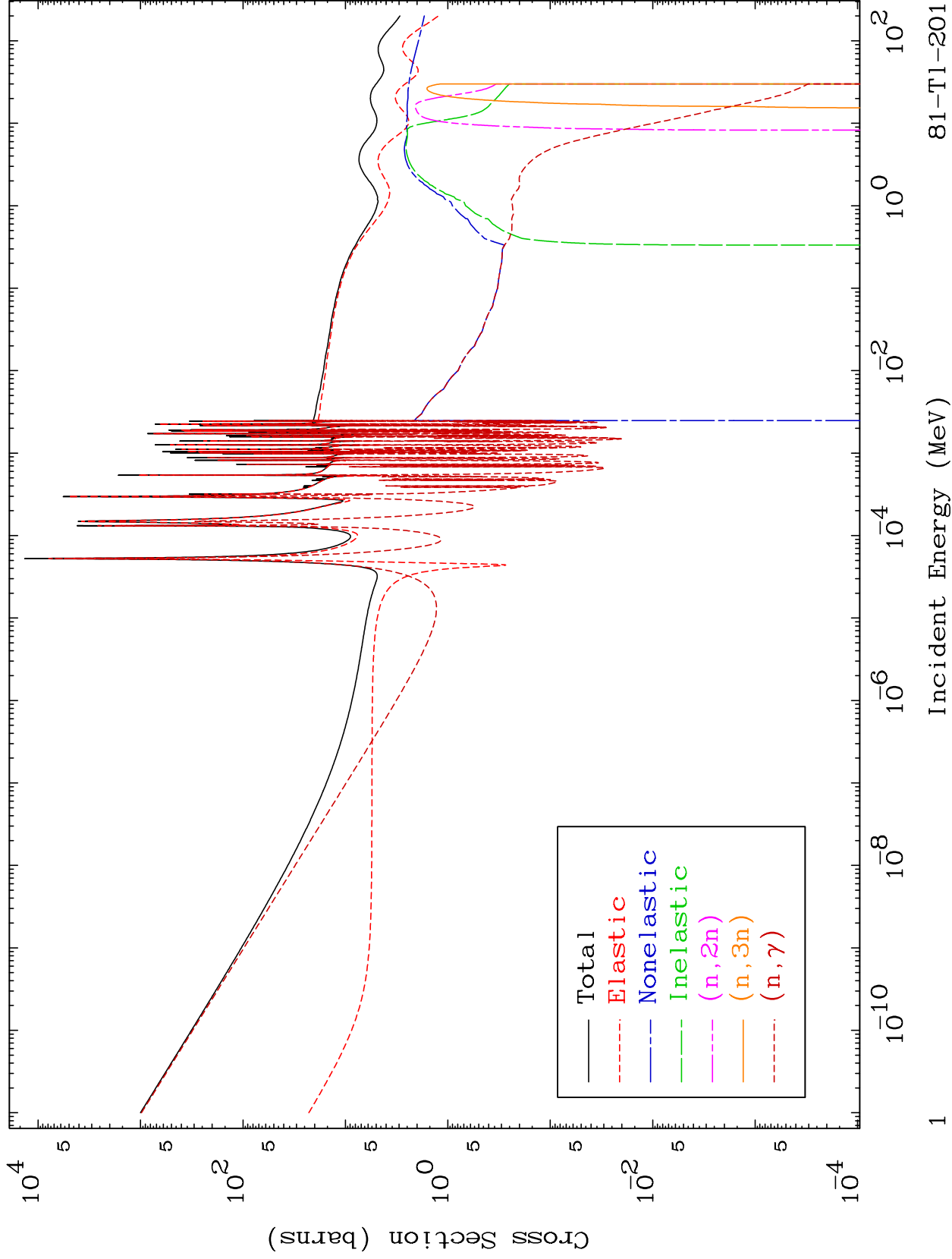
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 81119

Neutron Major  
293 Kelvin Cross Sections

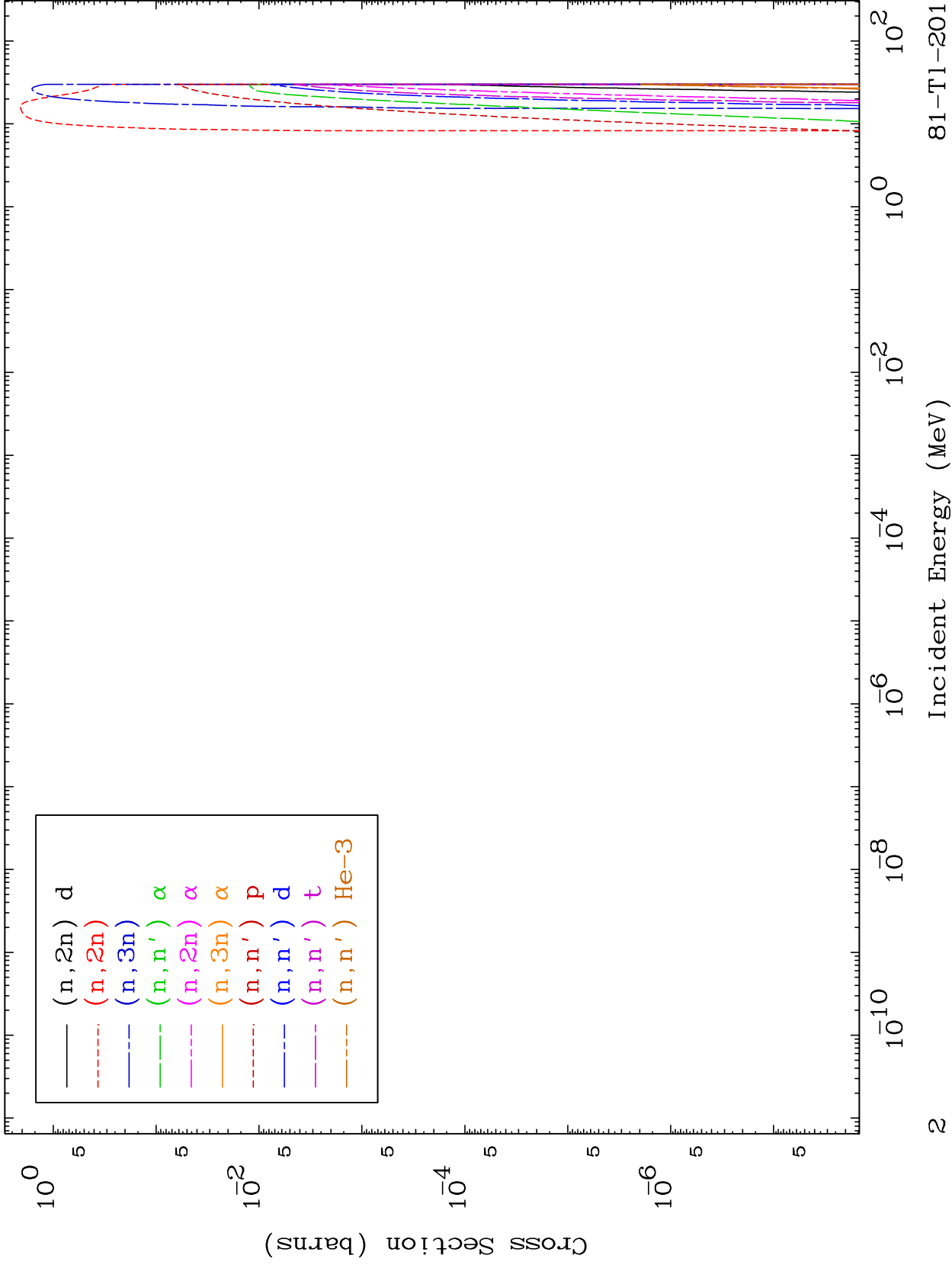
81-Tl-201



MAT 81119

Neutron Absorption  
293 Kelvin Cross Sections

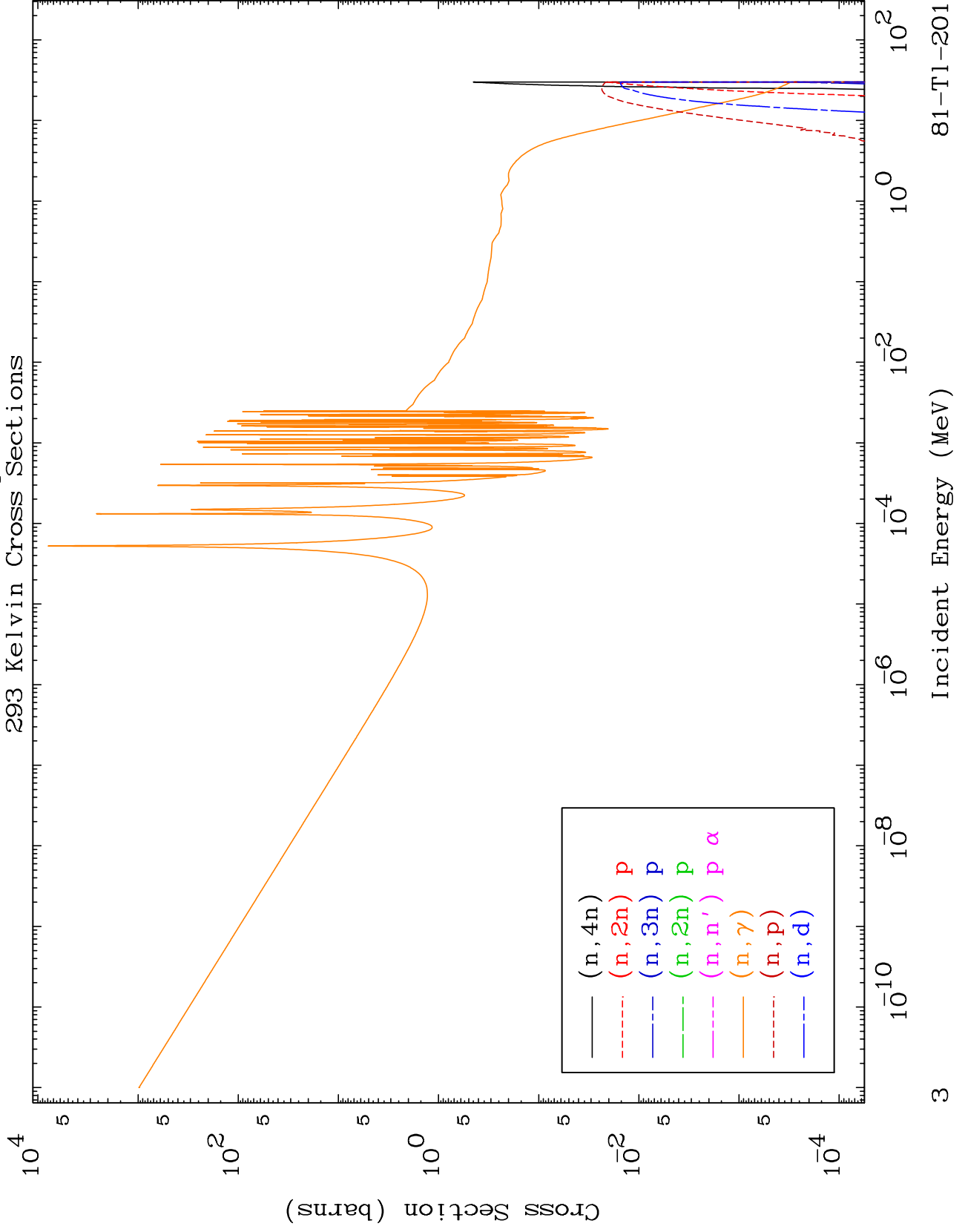
81-Tl-201



MAT 81119

Neutron Absorption  
293 Kelvin Cross Sections

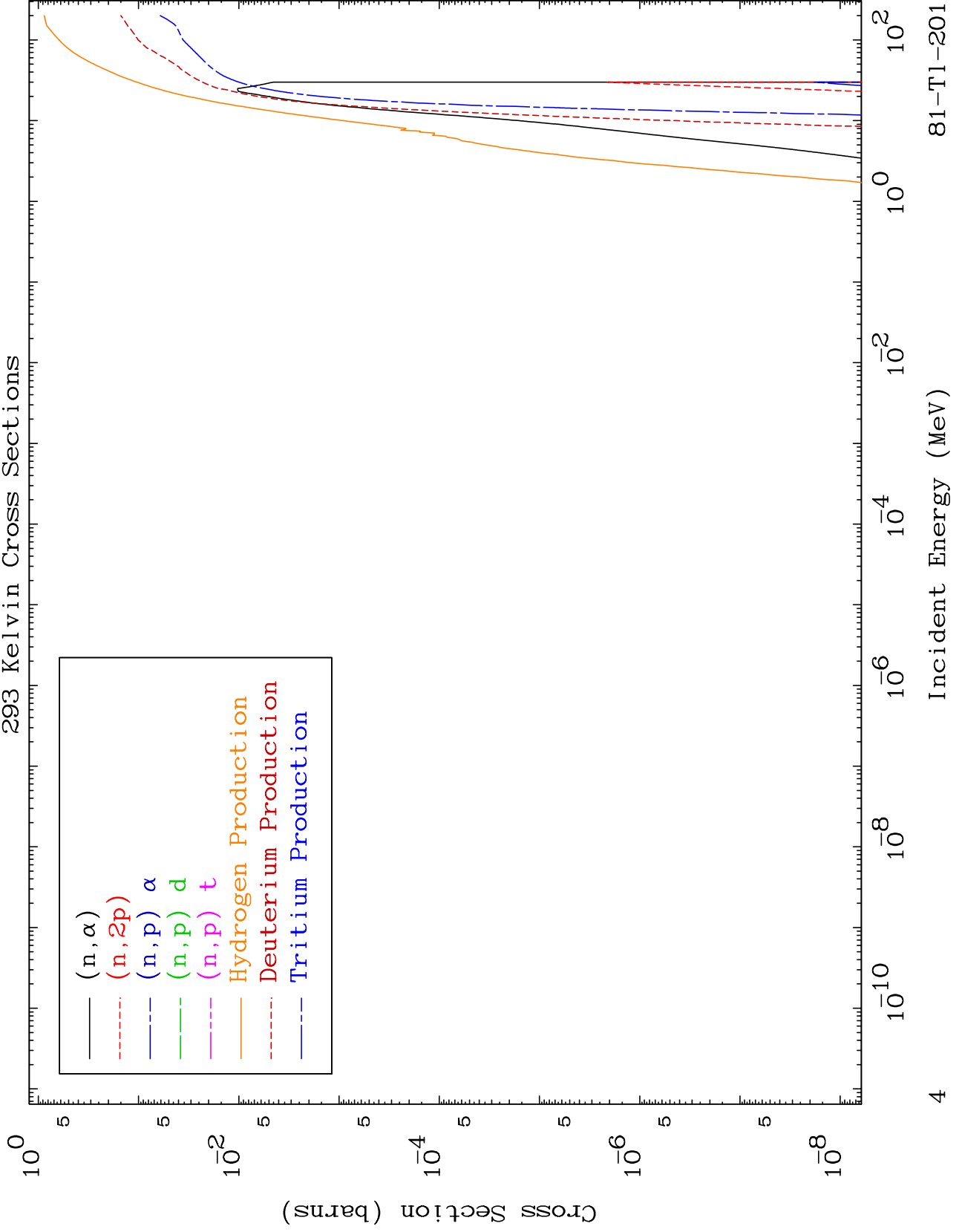
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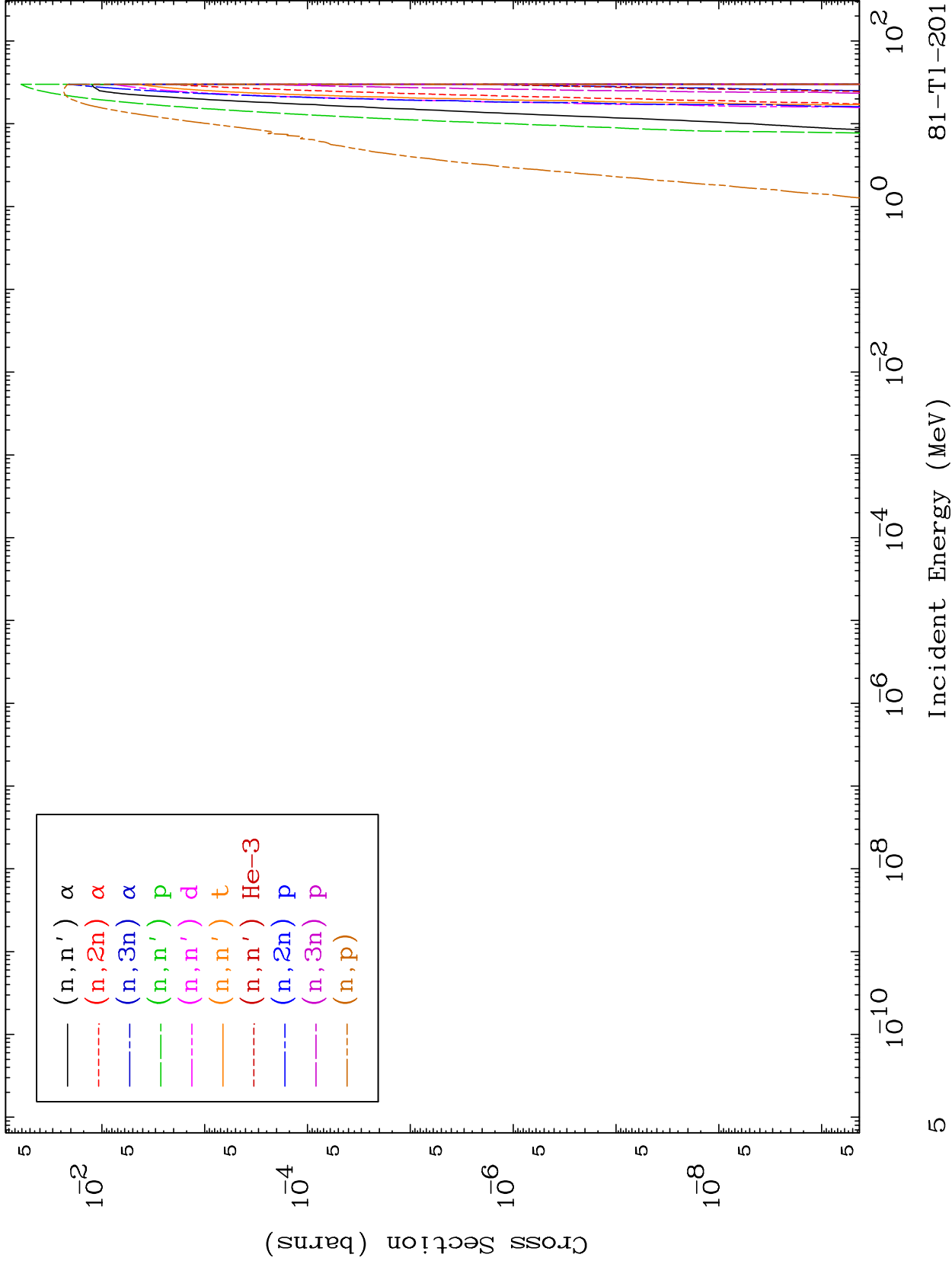


MAT 81119

Neutron Absorption  
293 Kelvin Cross Sections

81-Tl-201

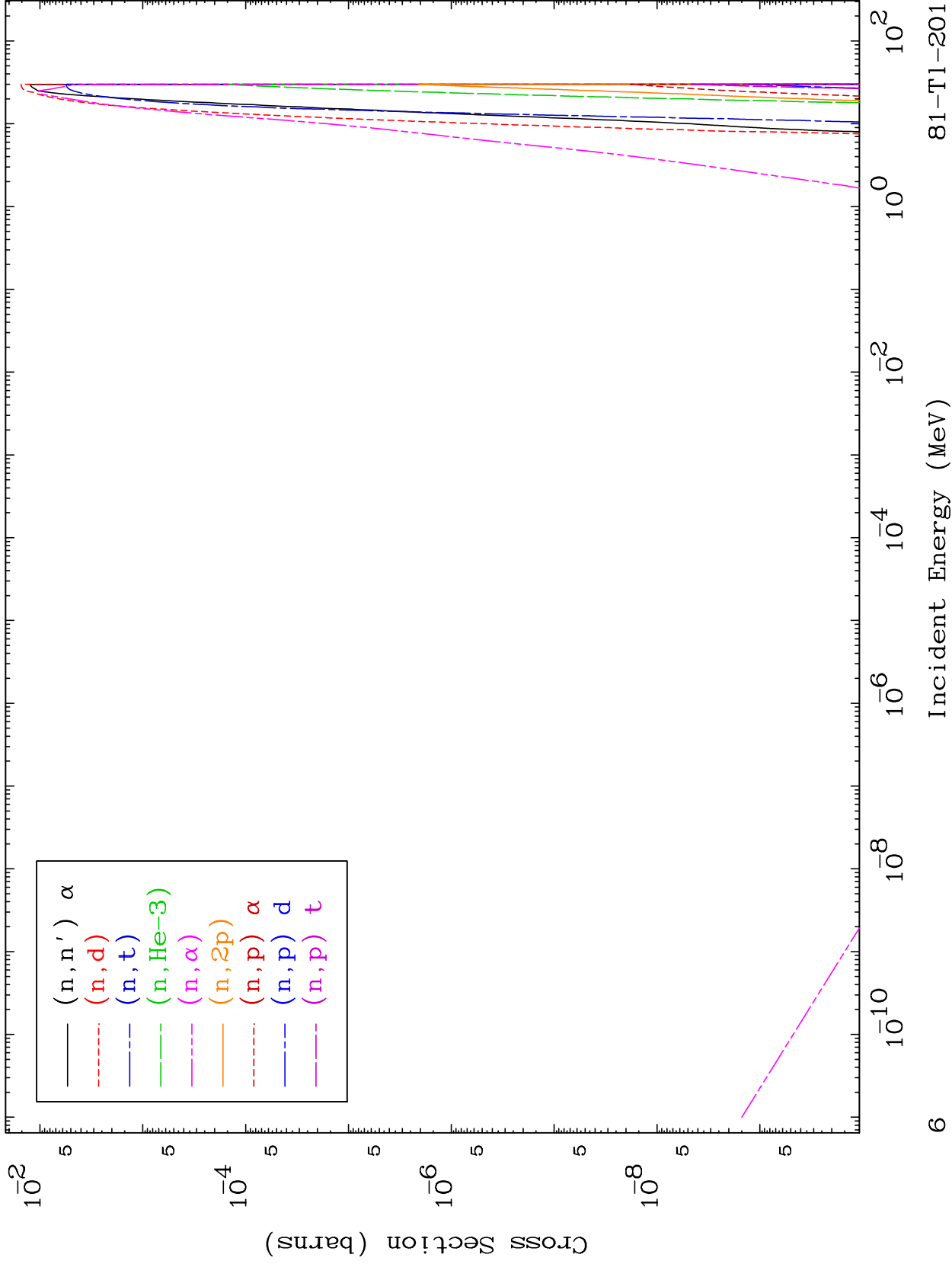




MAT 8119

Charged Particle  
293 Kelvin Cross Sections

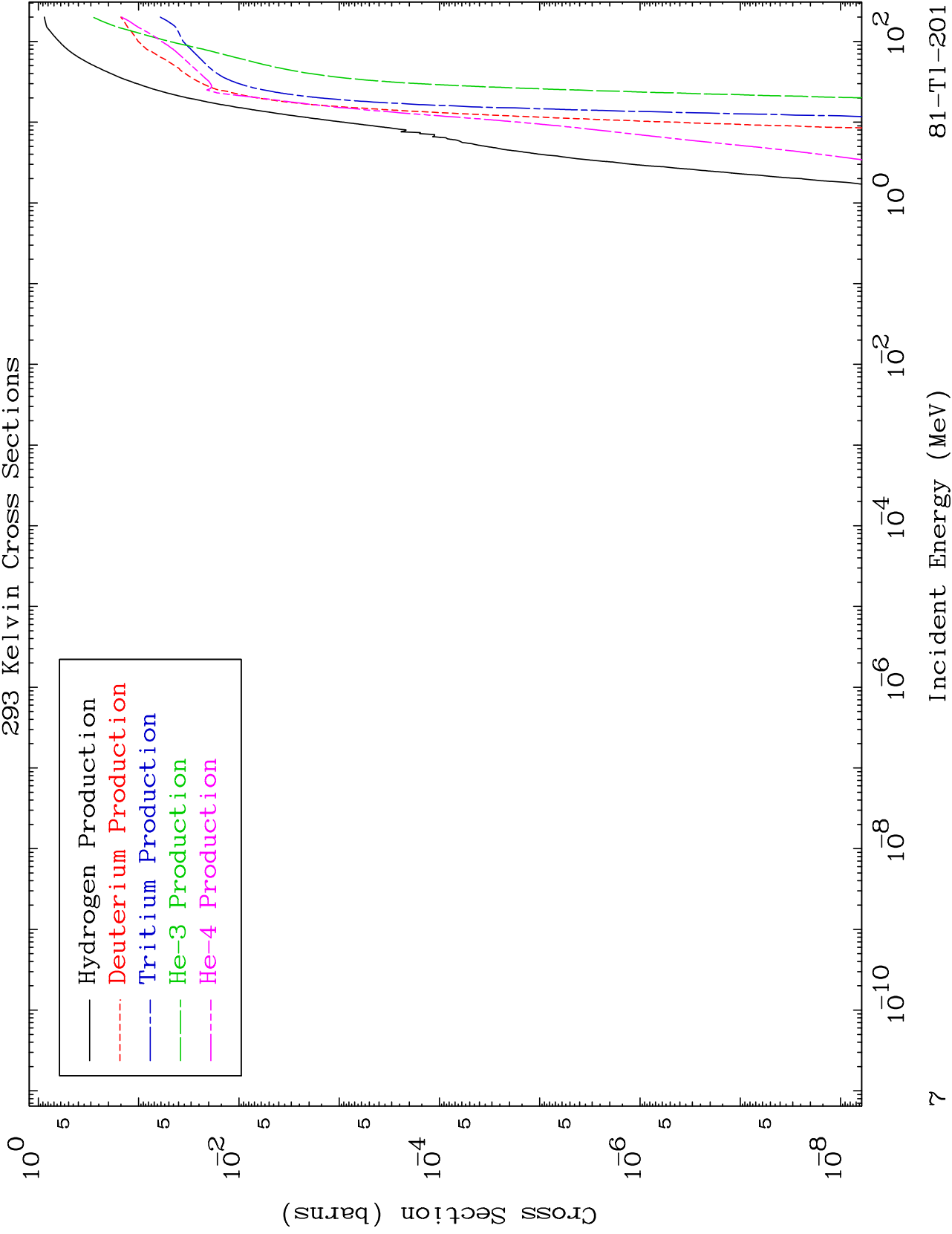
81-Tl-201



MAT 81119

Particle Production  
293 Kelvin Cross Sections

81-Tl-201

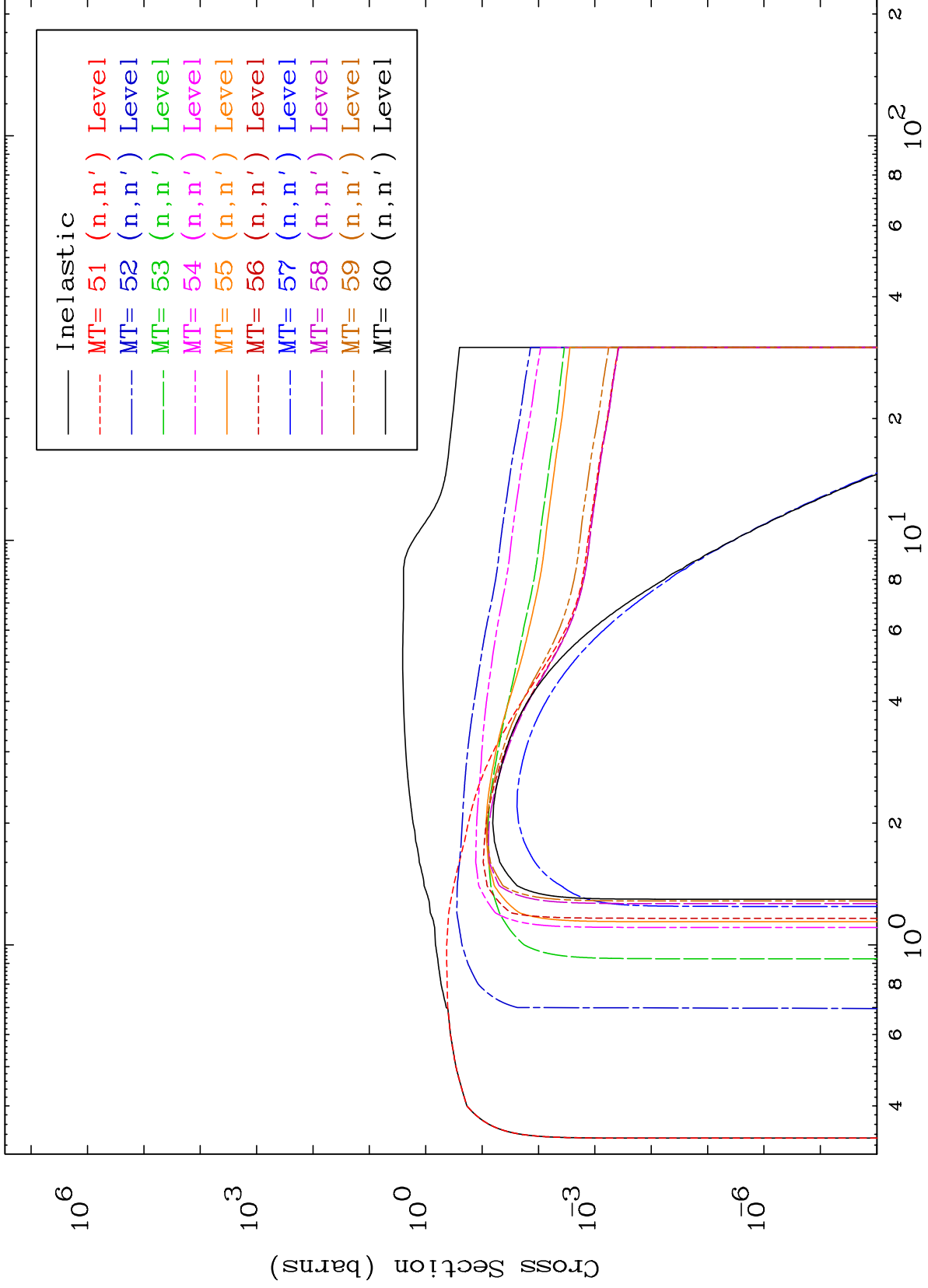


MAT 81119

(n,n') Levels

81-Tl-201

293 Kelvin Cross Sections



8

Incident Energy (MeV)

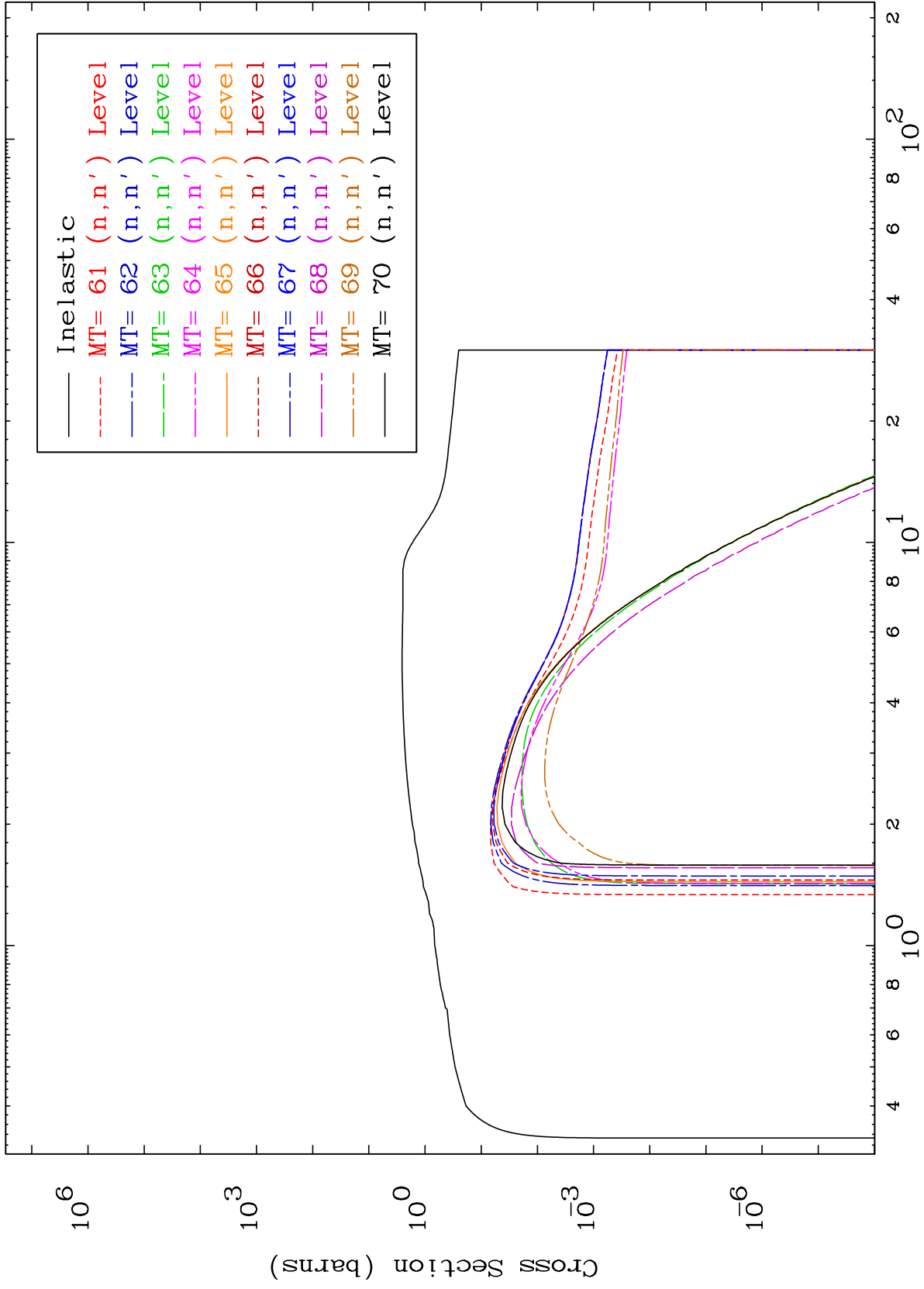
81-Tl-201

MAT 81119

(n,n') Levels

81-Tl-201

293 Kelvin Cross Sections

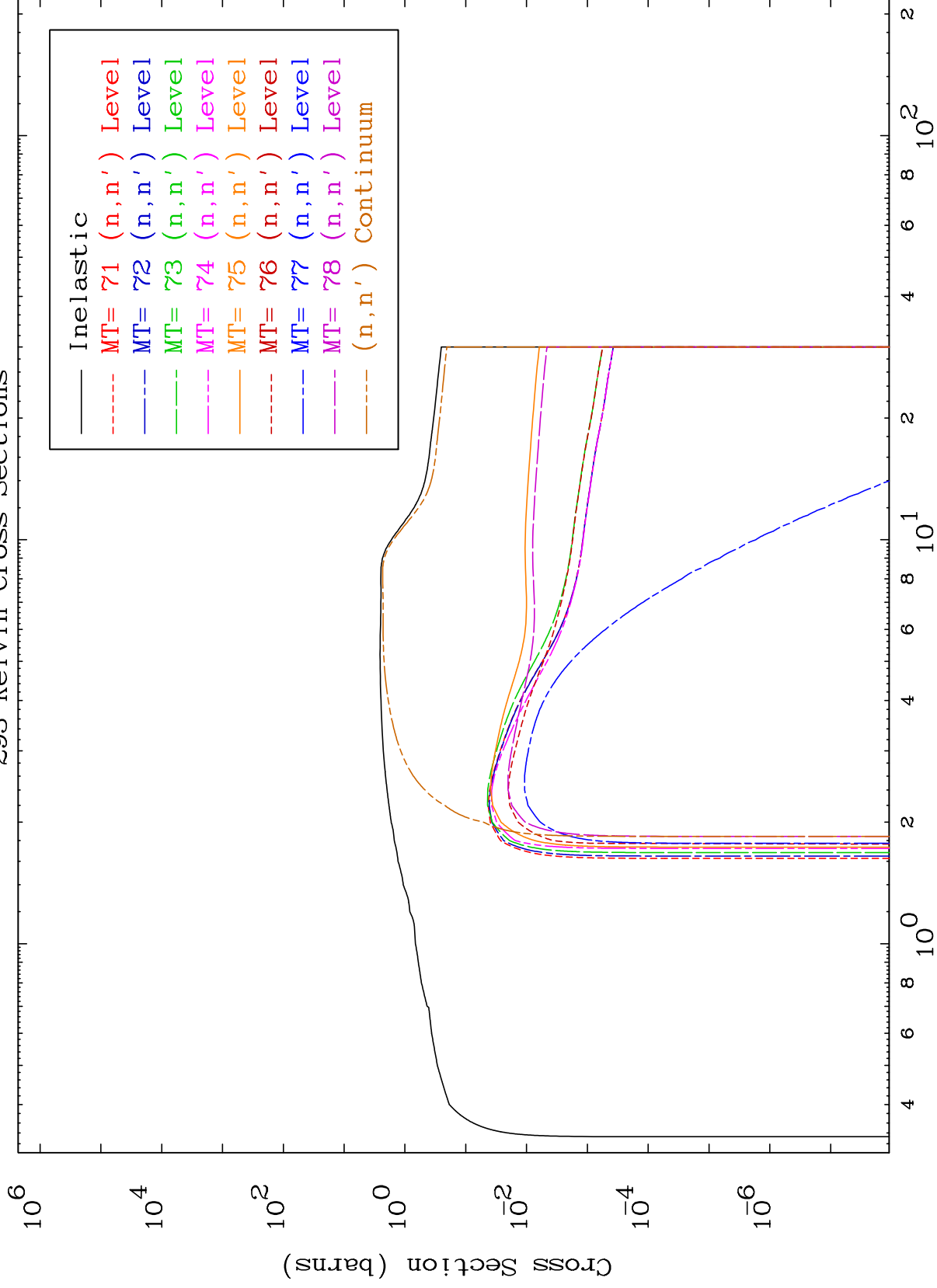


MAT 81119

(n,n') Levels

81-Tl-201

293 Kelvin Cross Sections



10

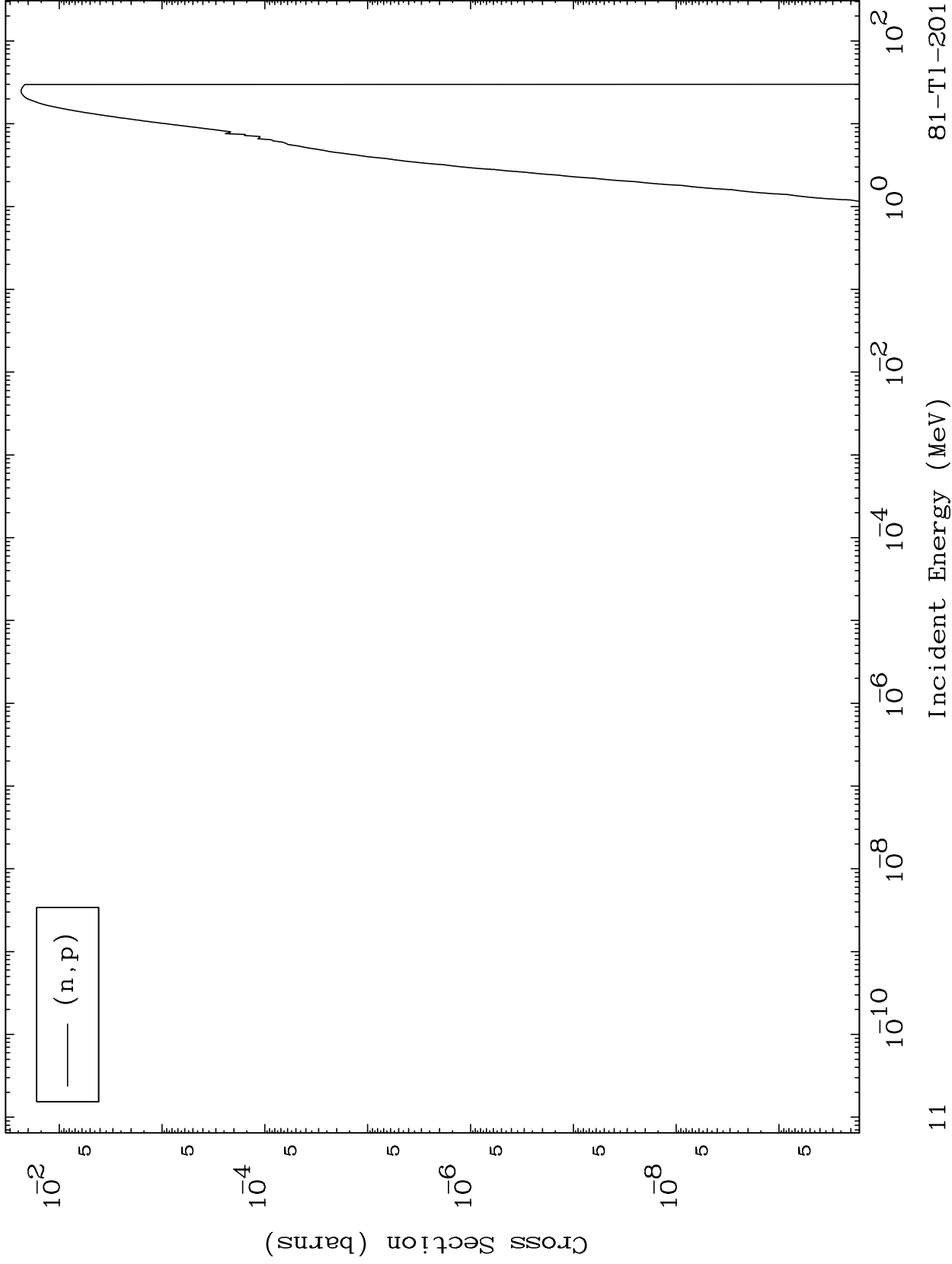
Incident Energy (MeV)

81-Tl-201

MAT 81119

(n,p) Levels  
293 Kelvin Cross Sections

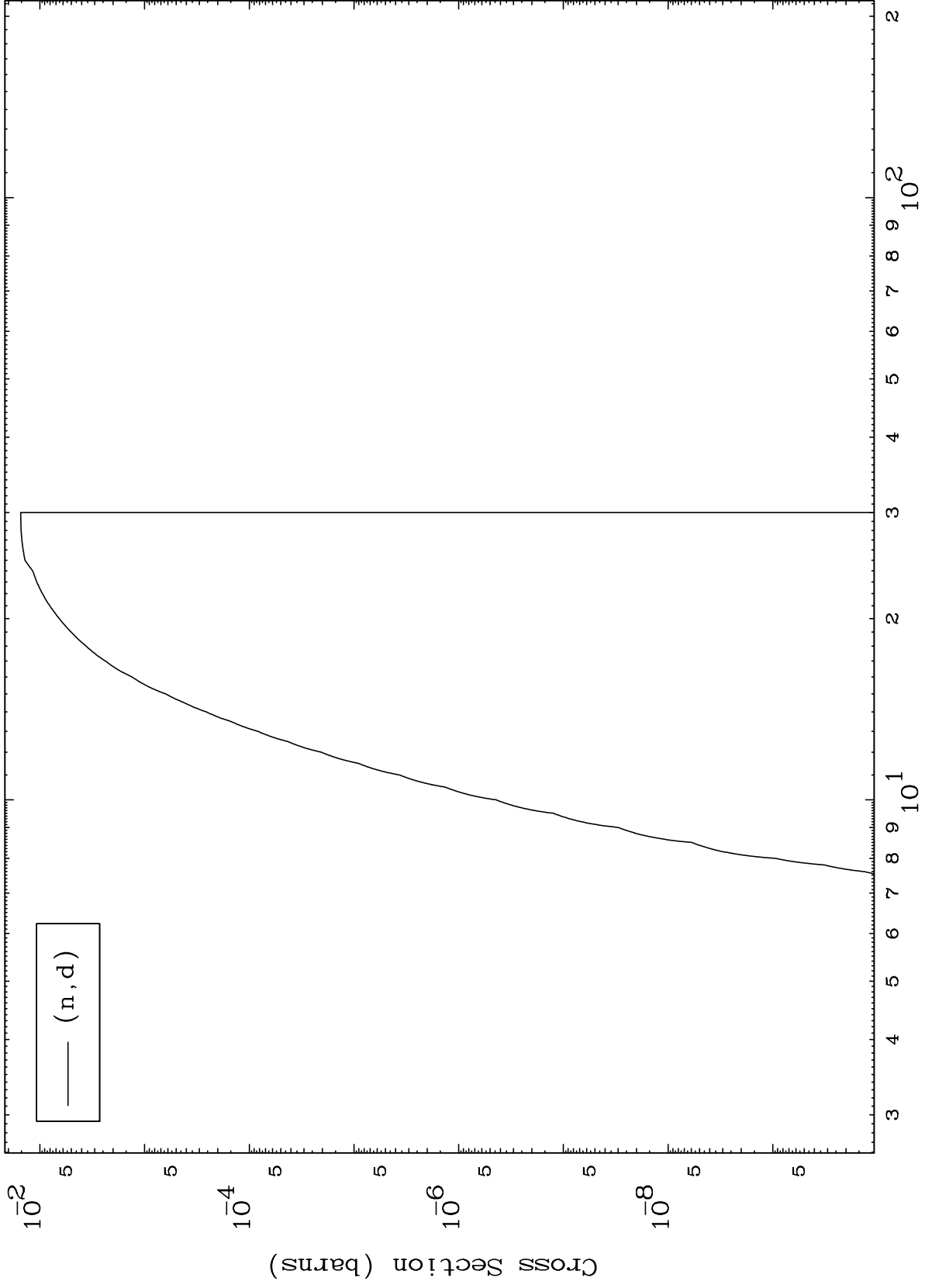
81-Tl-201



MAT 81119

(n,d) Levels  
293 Kelvin Cross Sections

81-Tl-201



12

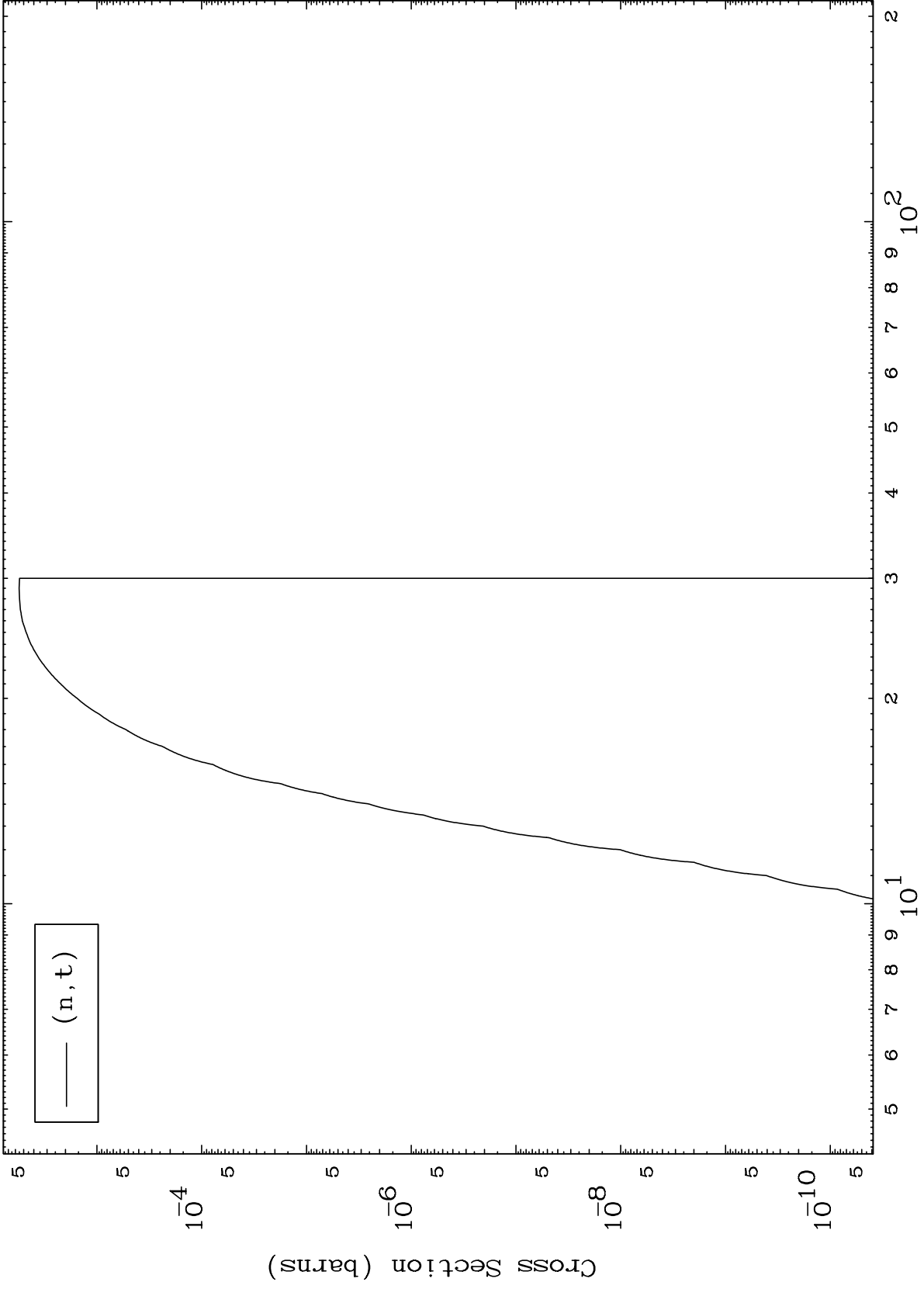
Incident Energy (MeV)

81-Tl-201

MAT 81119

(n,t) Levels  
293 Kelvin Cross Sections

81-Tl-201



13

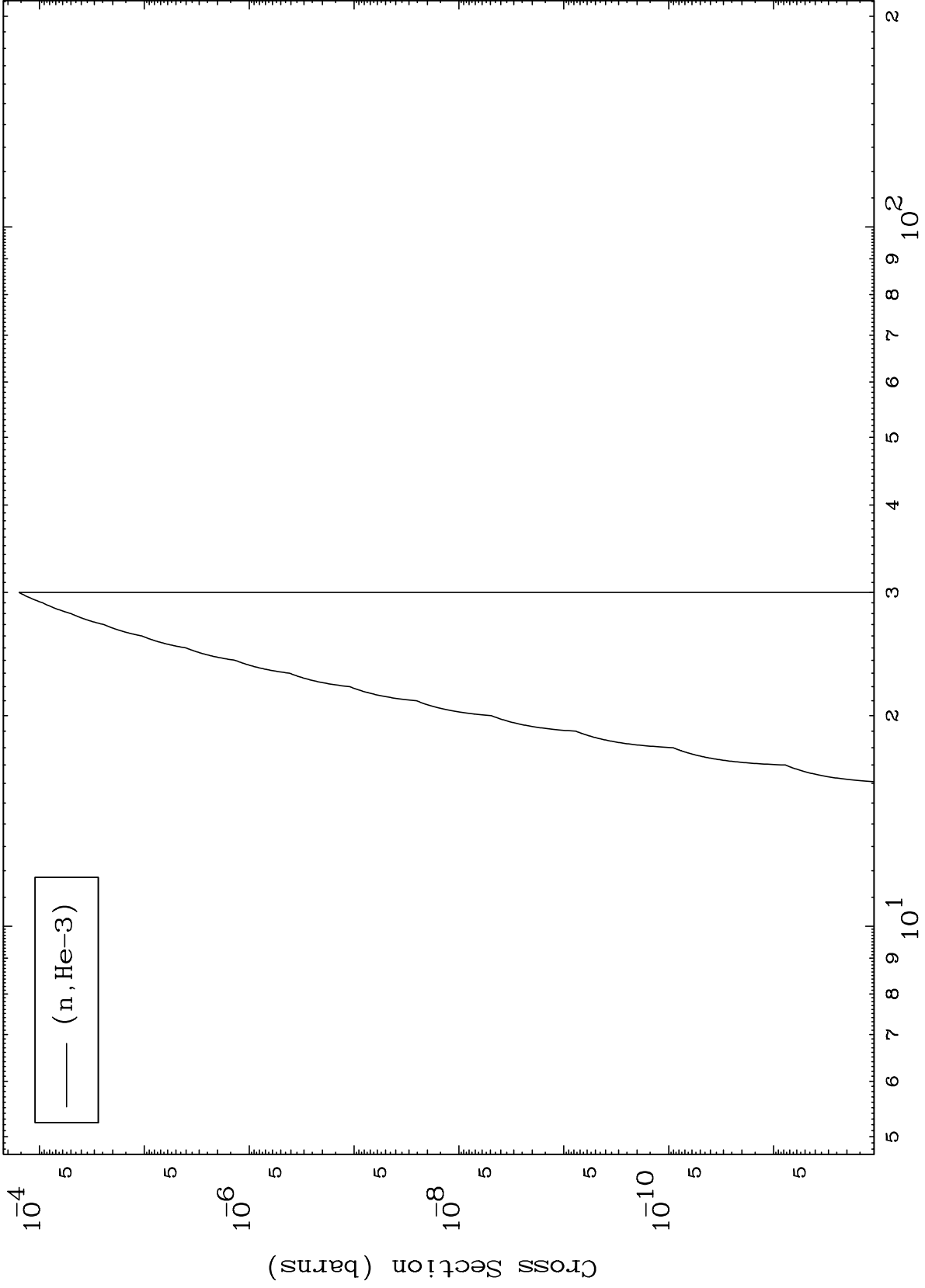
Incident Energy (MeV)

81-Tl-201

MAT 81119

(n,He3) Levels  
293 Kelvin Cross Sections

81-T1-201



14

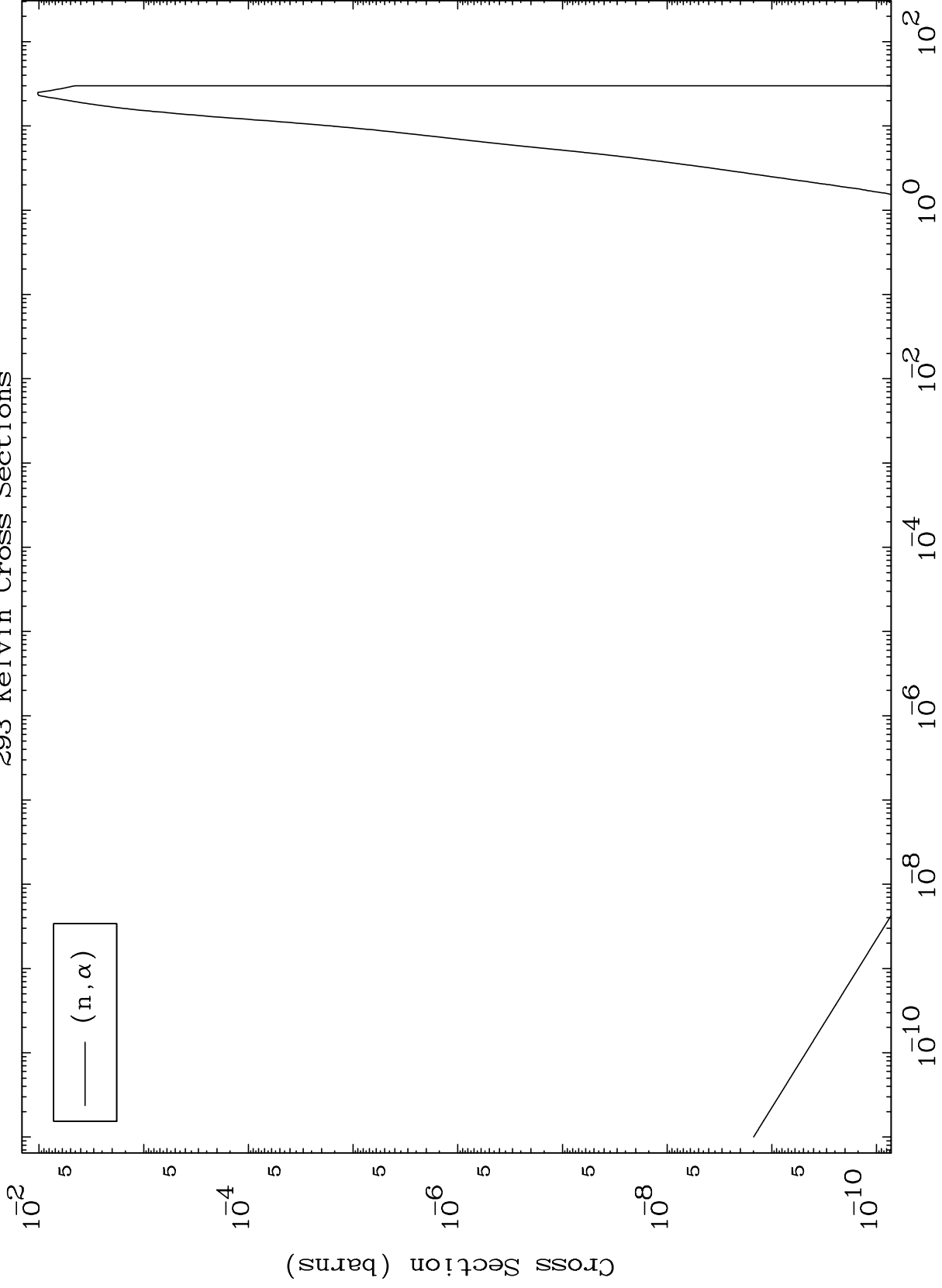
Incident Energy (MeV)

81-T1-201

MAT 81119

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

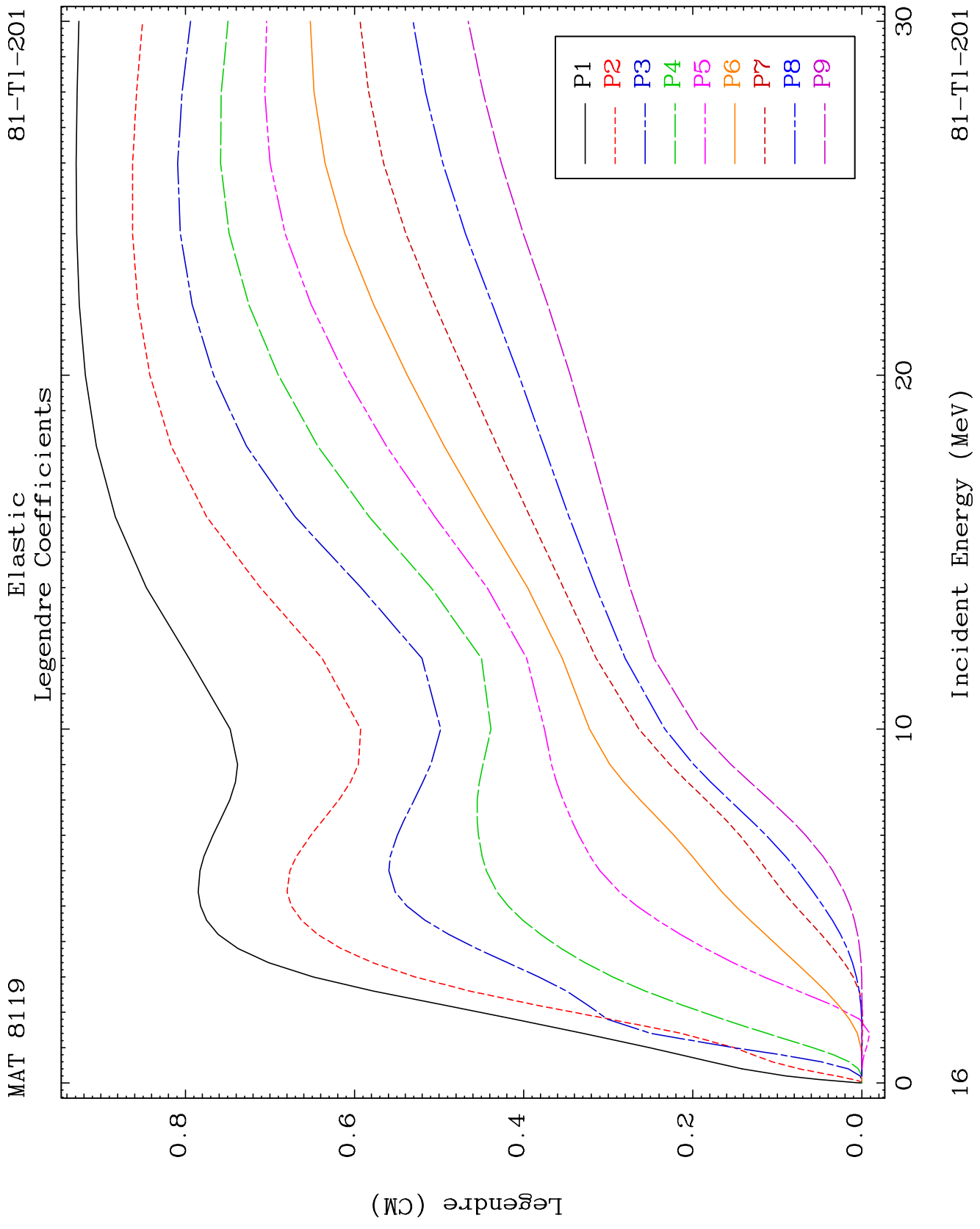
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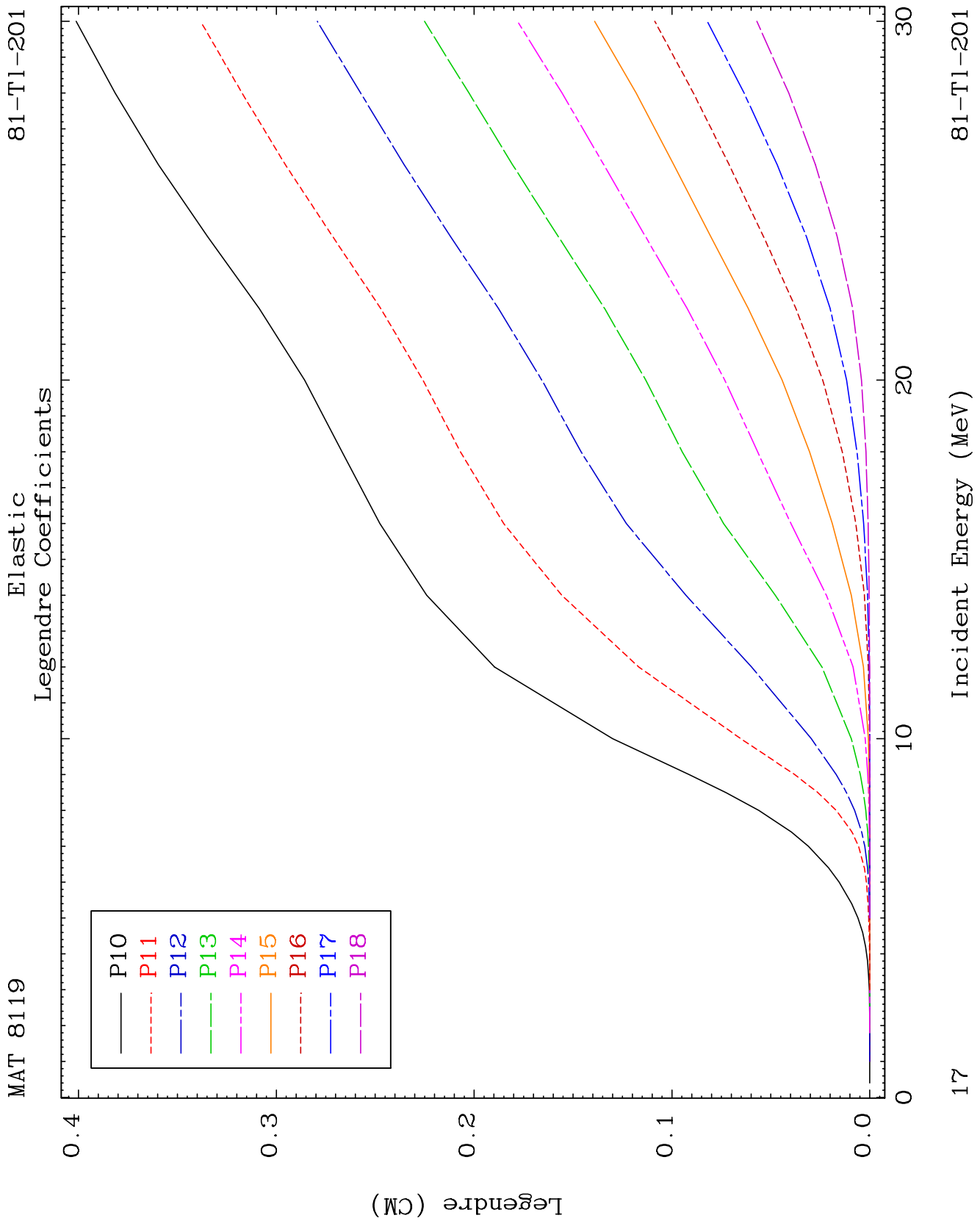


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Incident Energy (MeV)

81-Tl-201

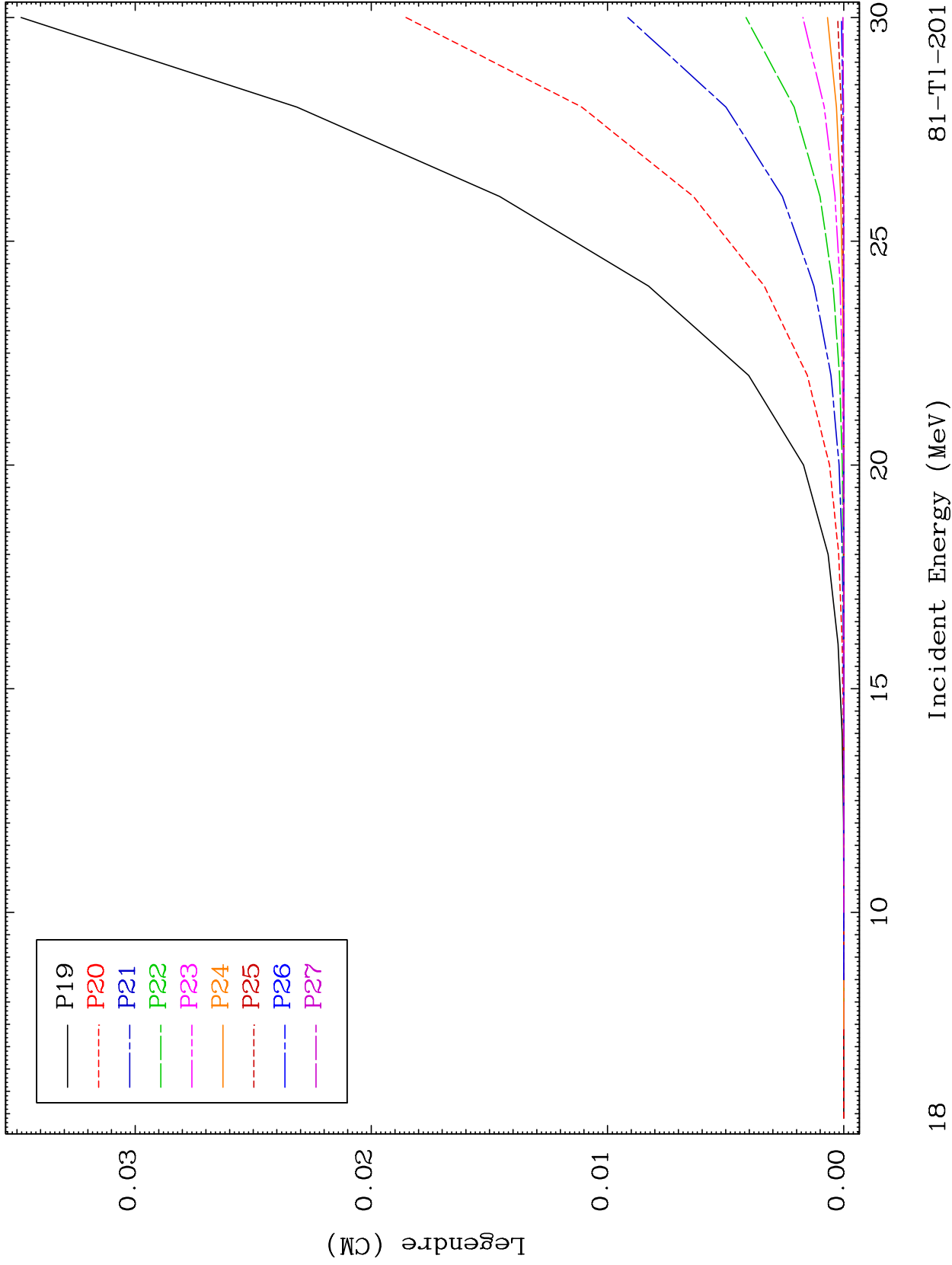




MAT 8119

### Elastic Legendre Coefficients

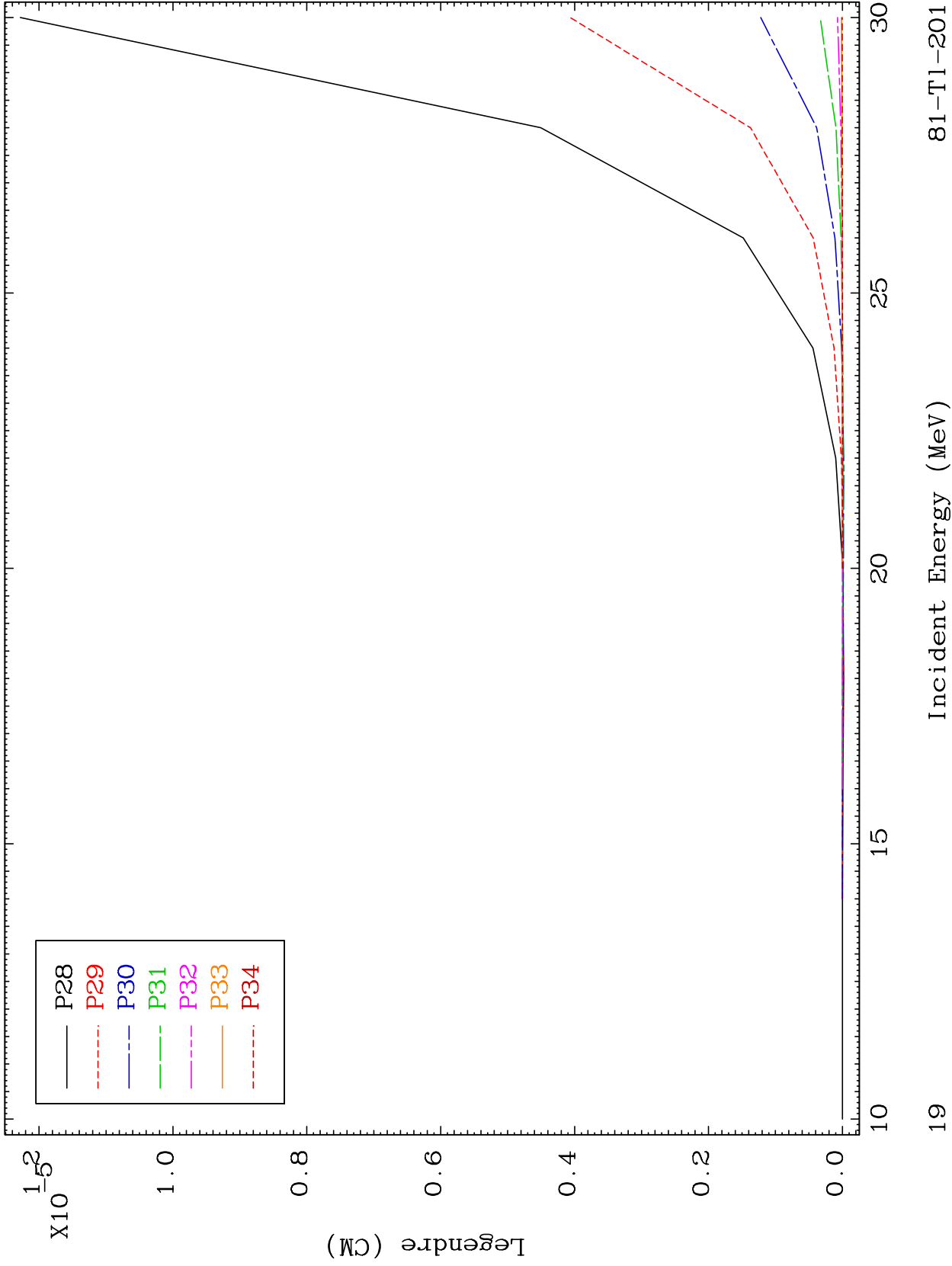
81-Tl-201



MAT 8119

Elastic Legendre Coefficients

81-Tl-201



19

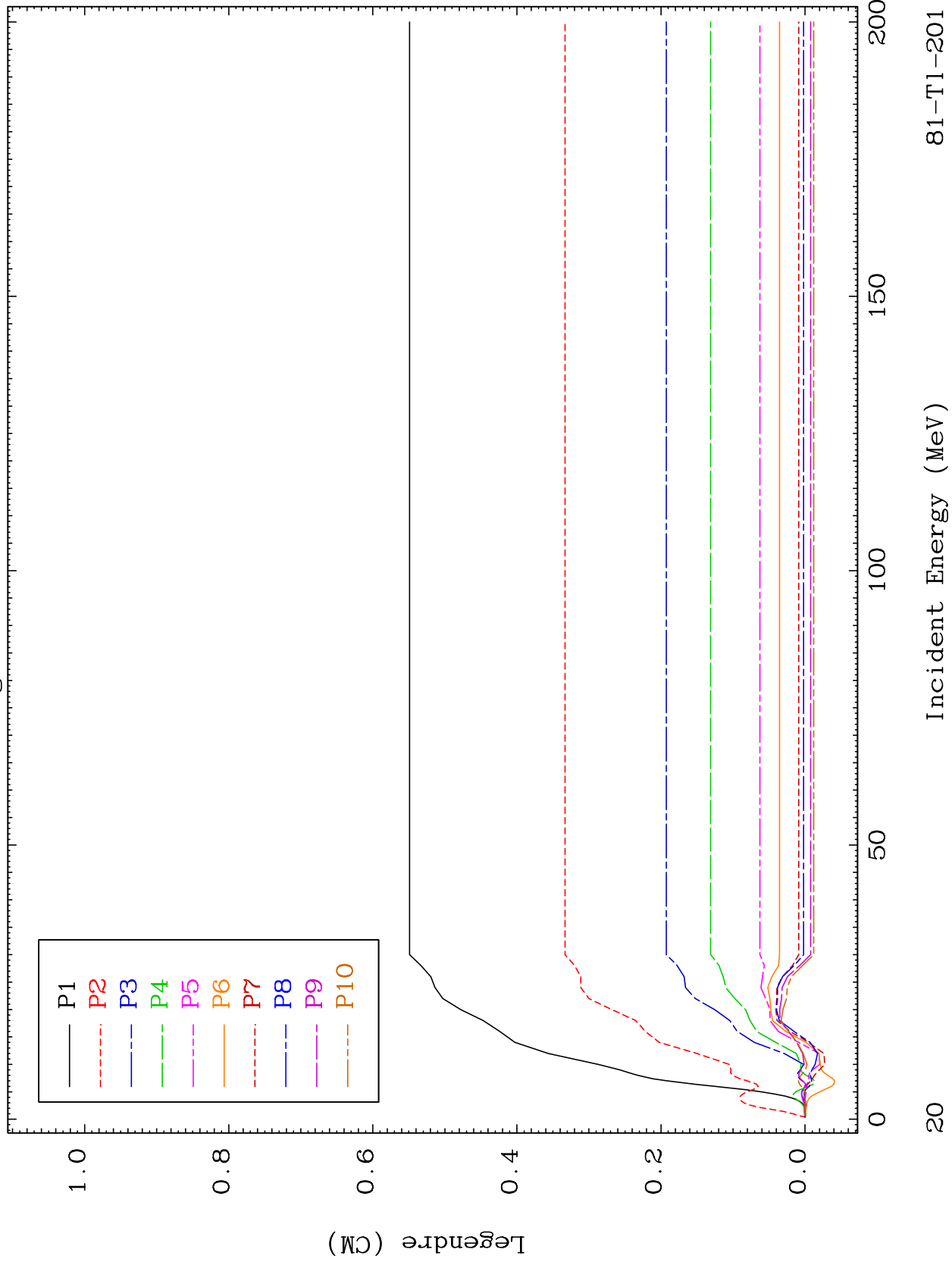
Incident Energy (MeV)

81-Tl-201

MAT 8119

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

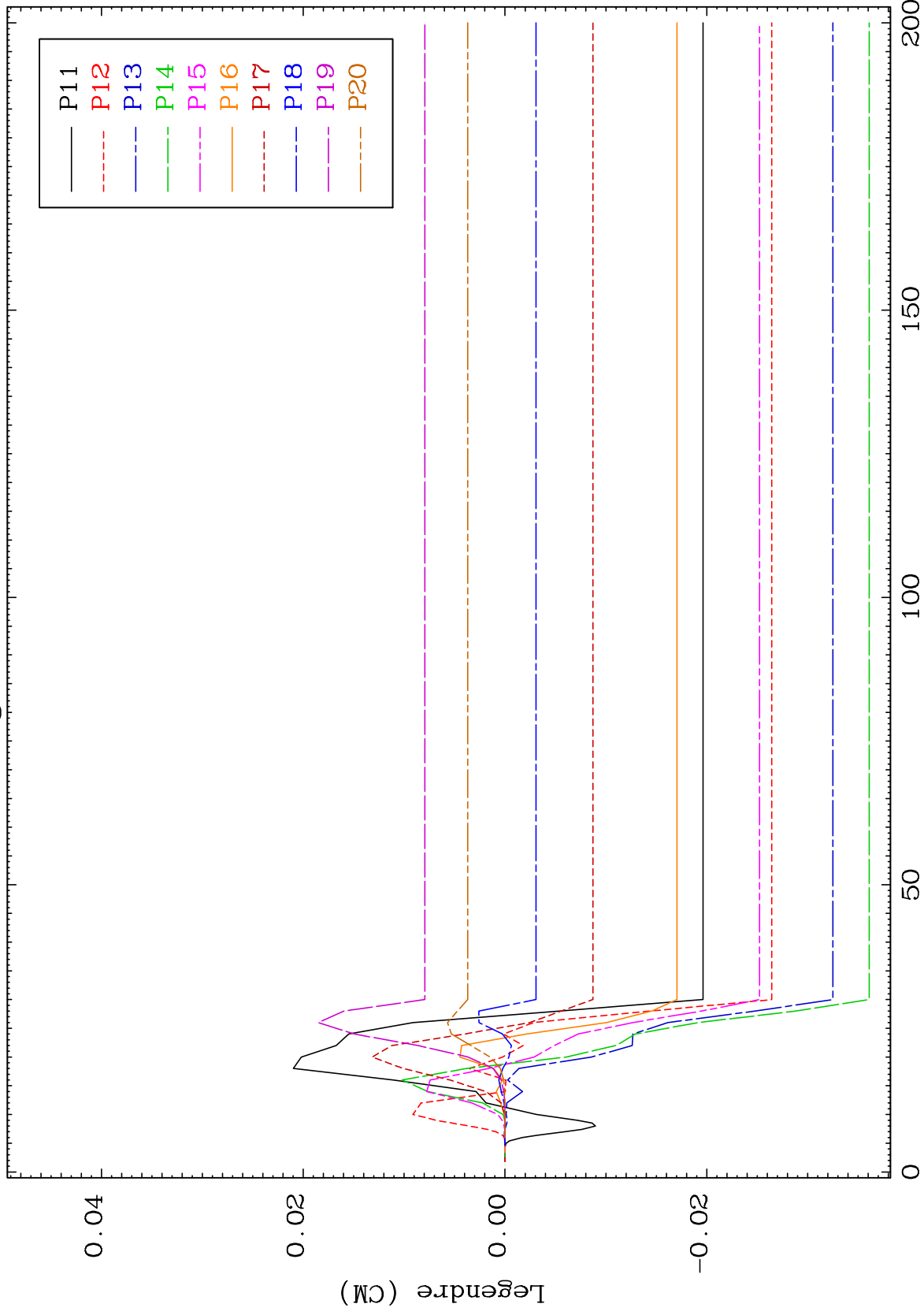
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MAT 81119

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

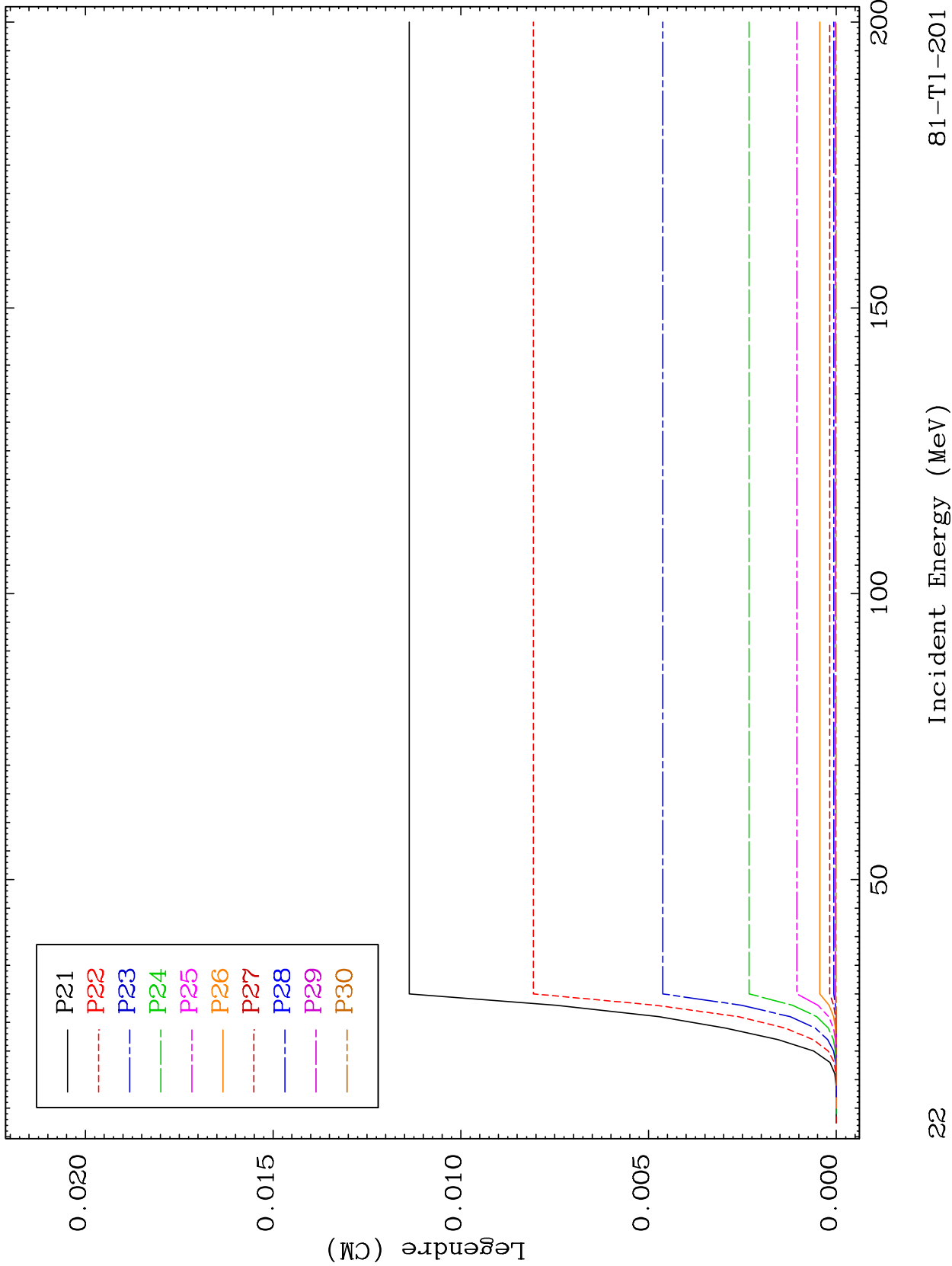
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21

Incident Energy (MeV)

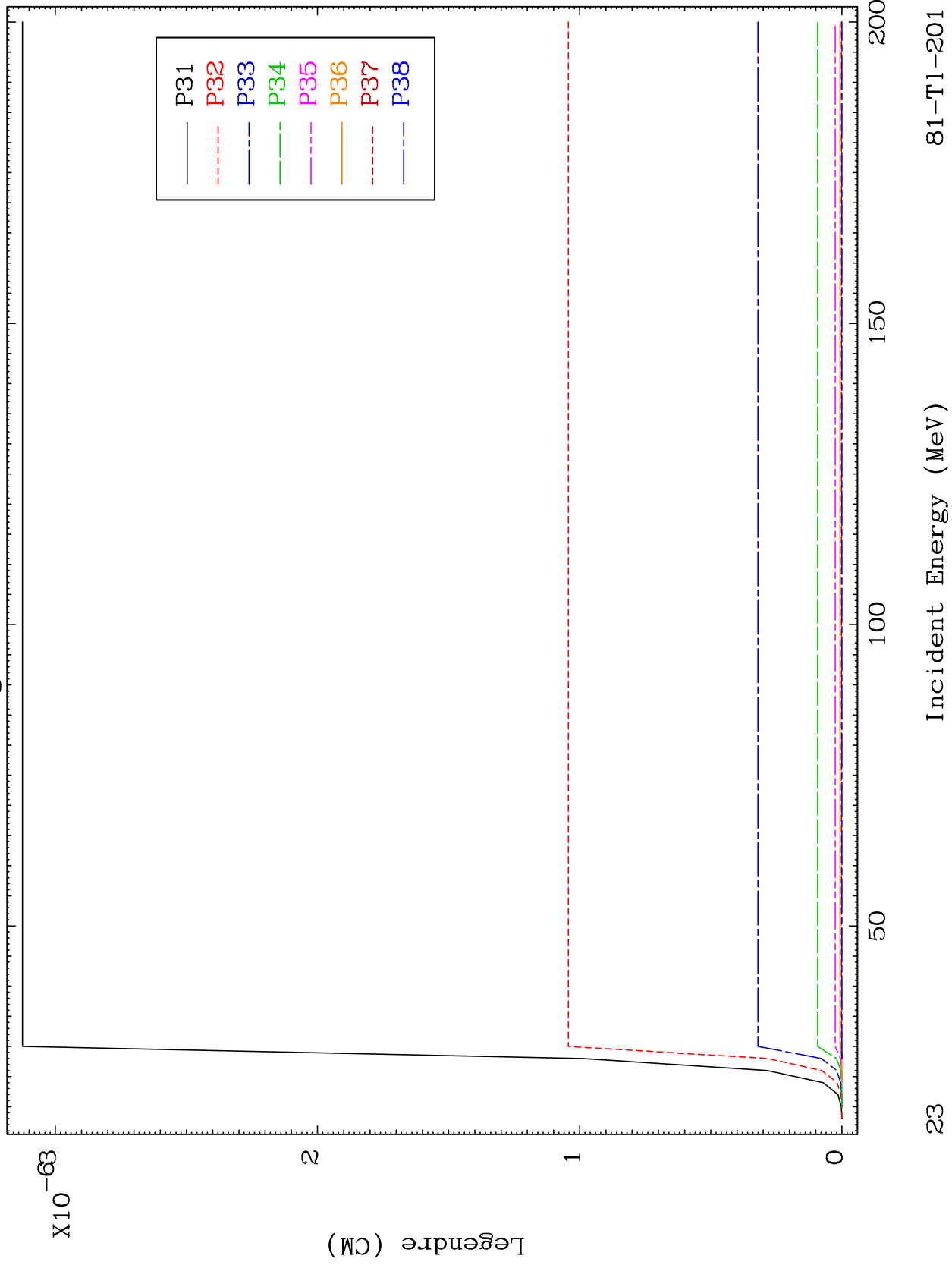
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MAT 81119

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

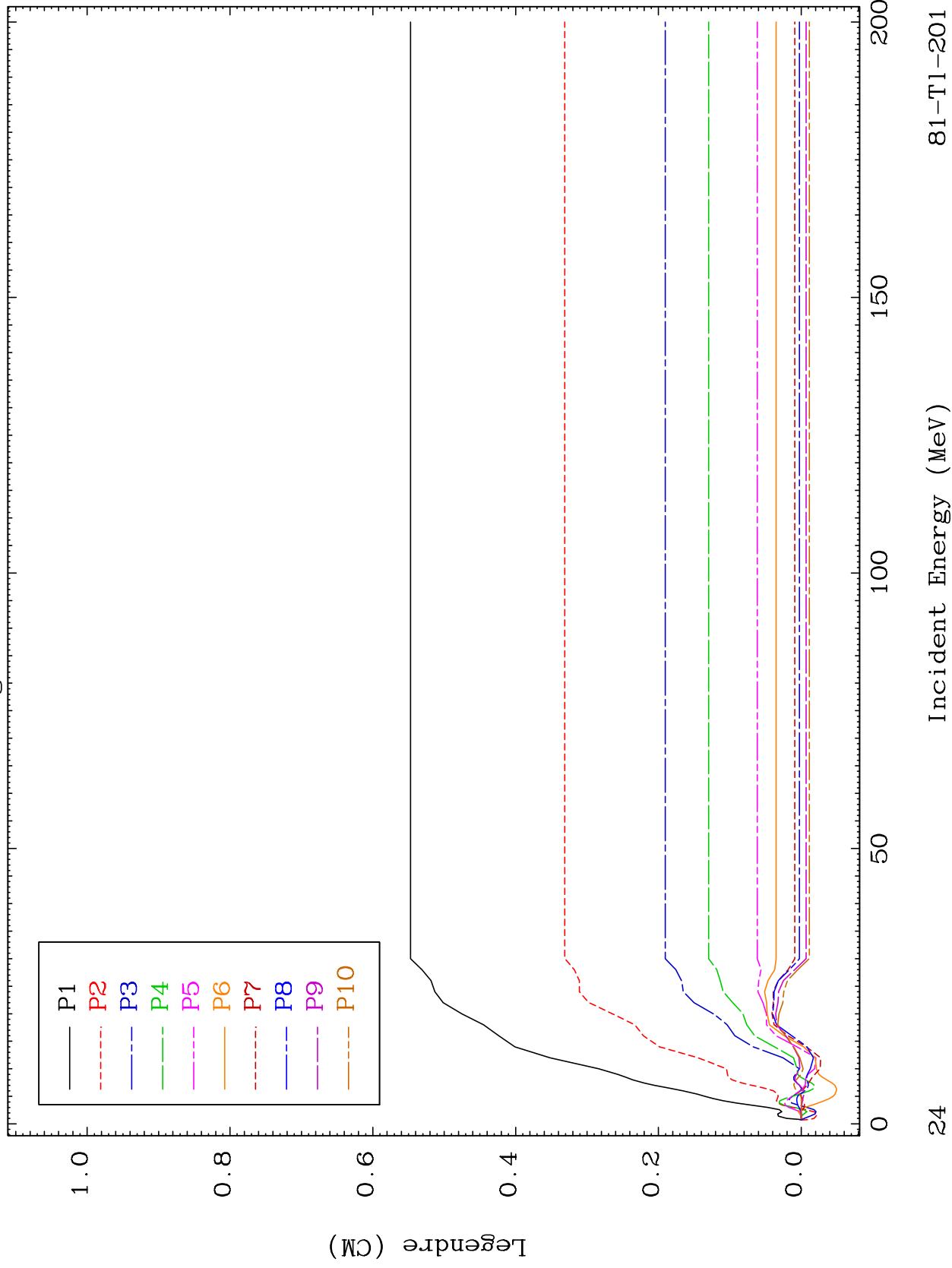
81-T1-201



MAT 81119

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

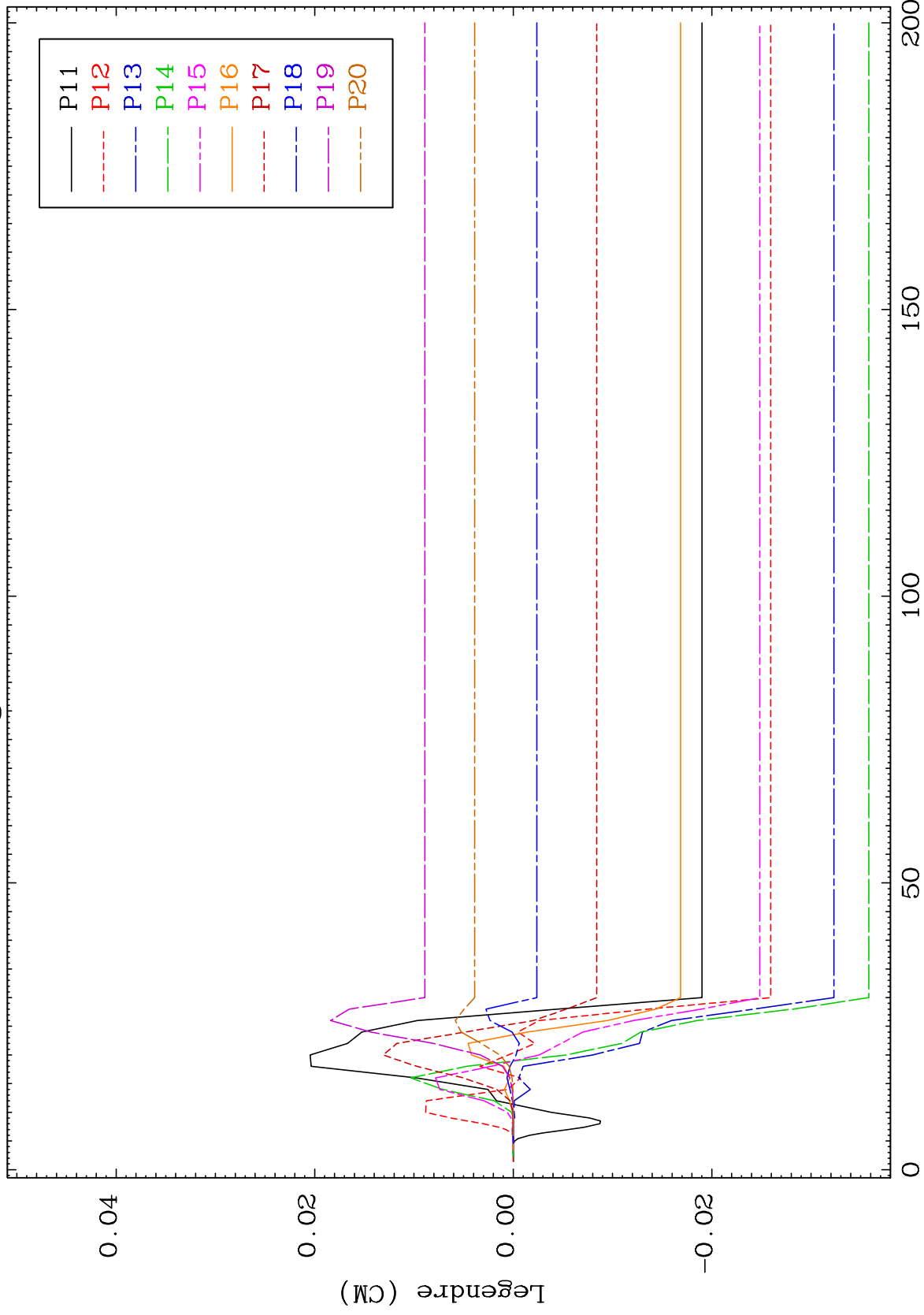
81-T1-201



MAT 81119

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

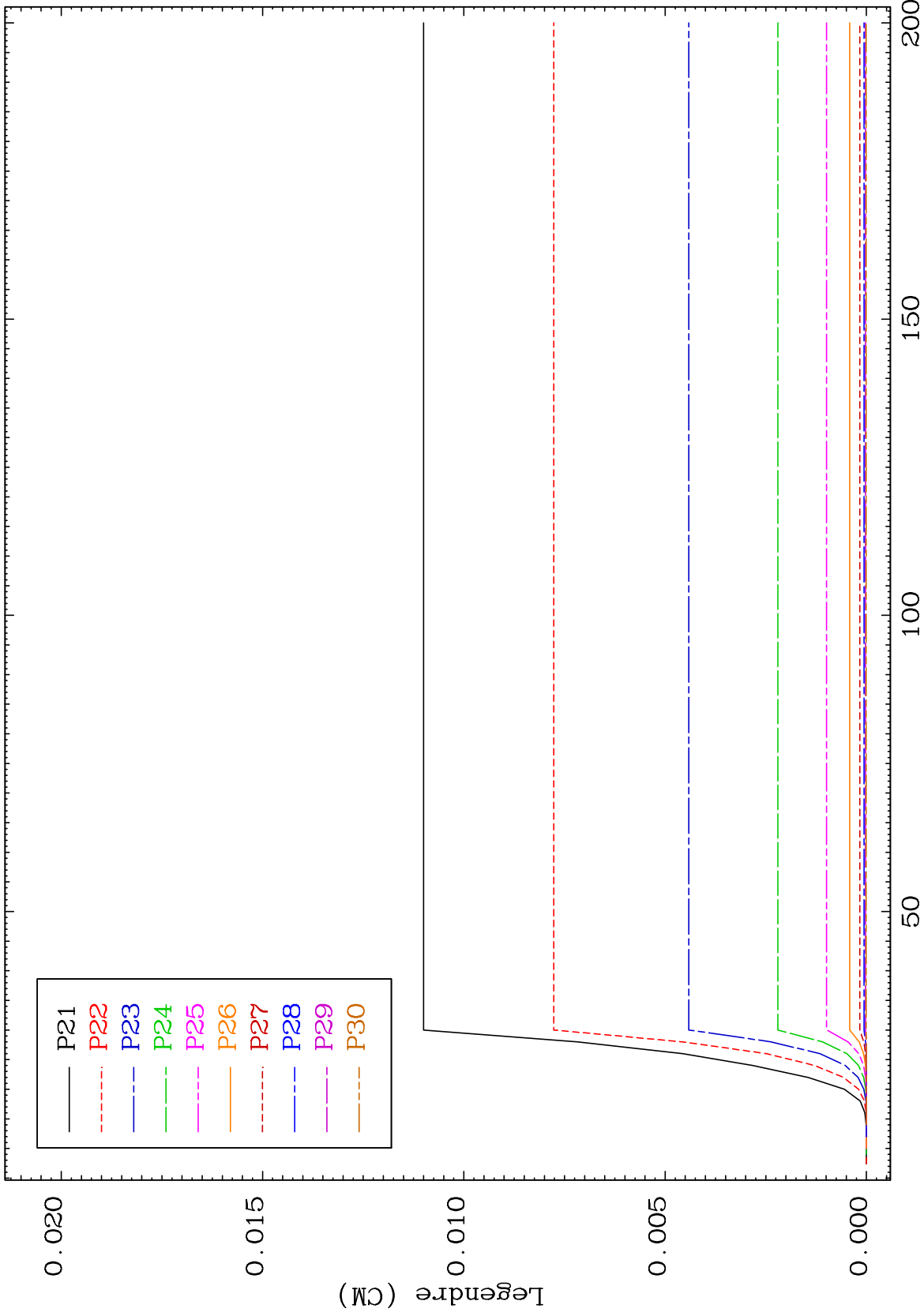
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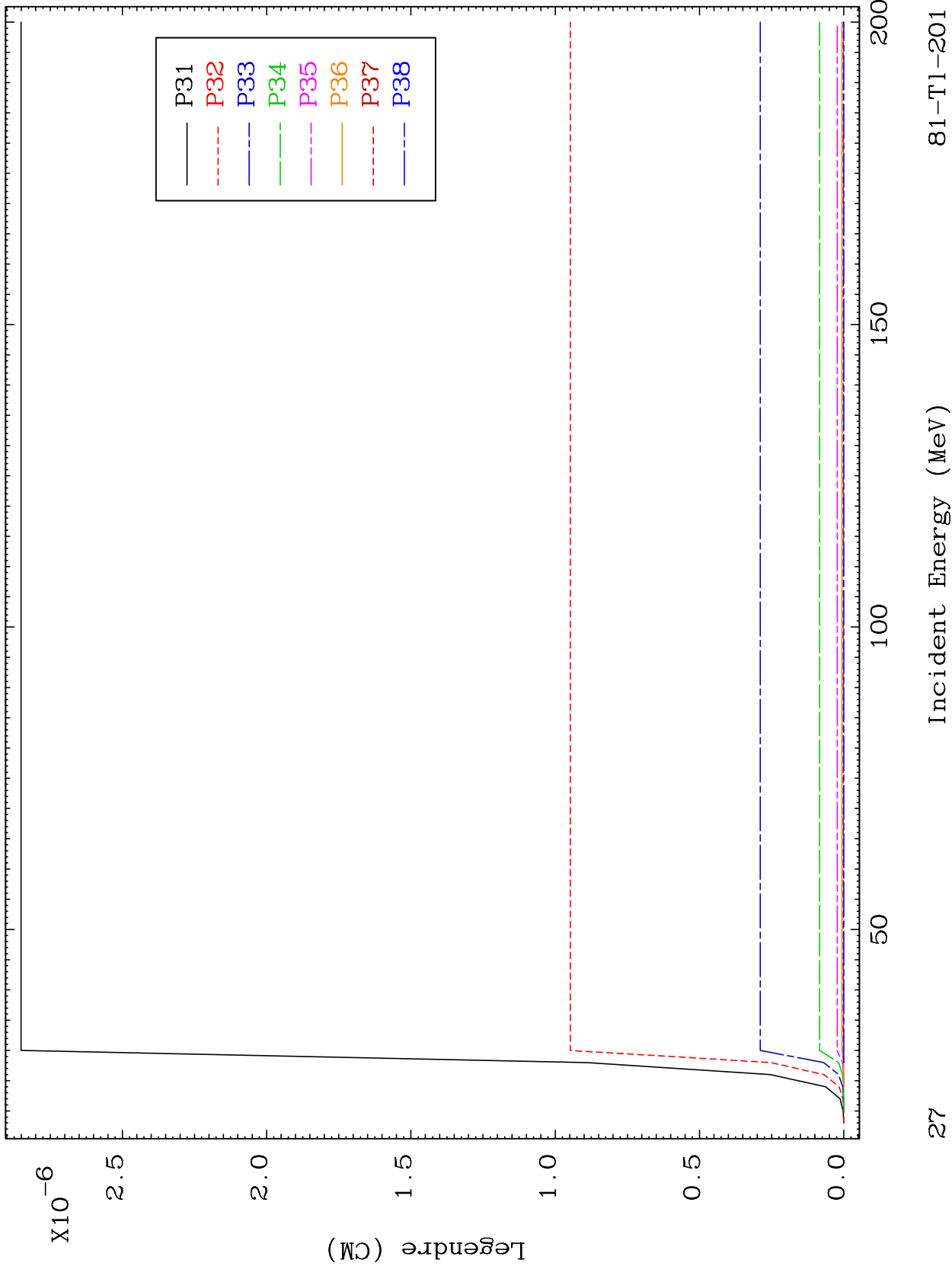


25

Incident Energy (MeV)

81-T1-201



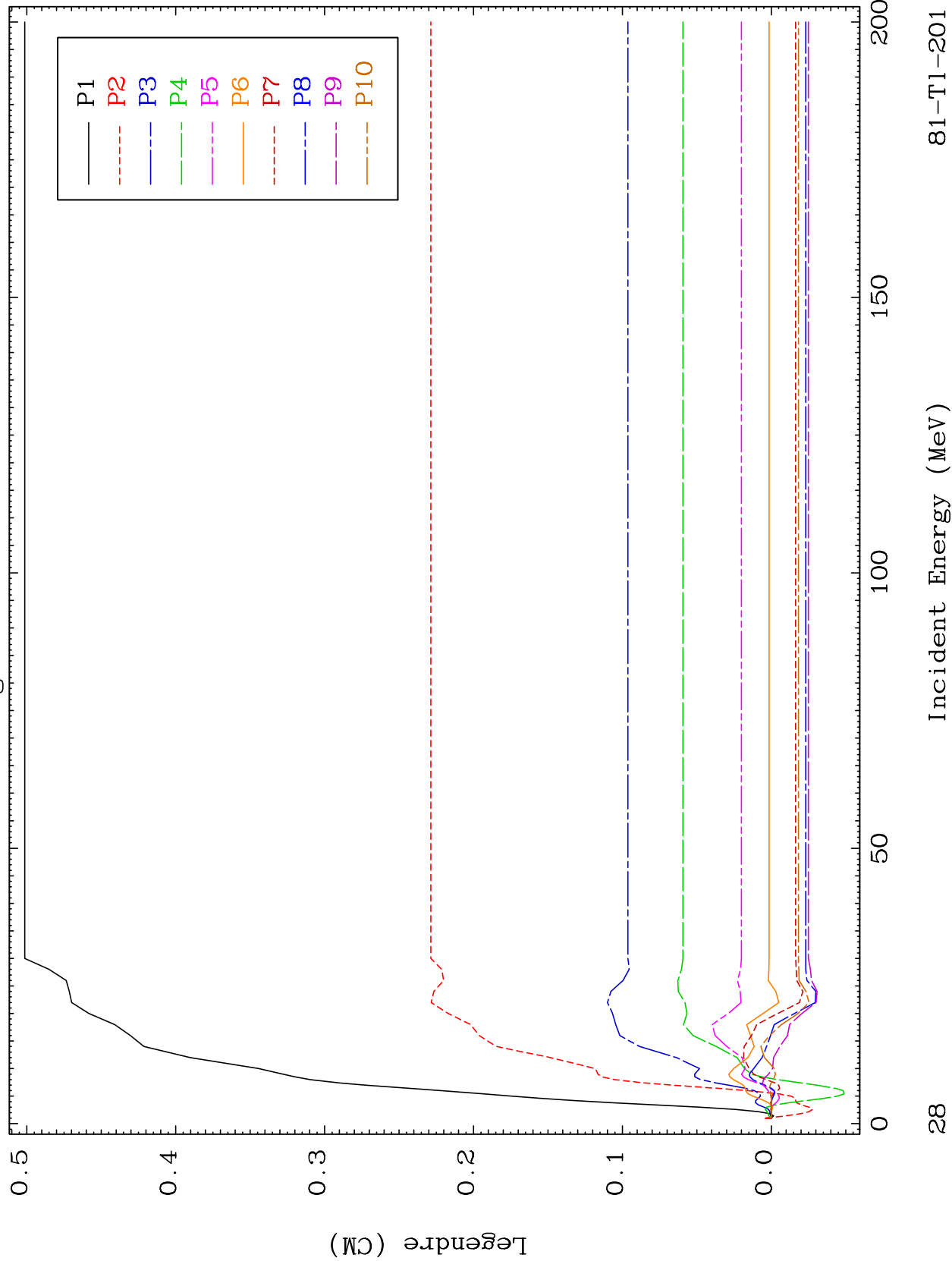


MAT 81119

MT= 53 (n,n') Level

81-T1-201

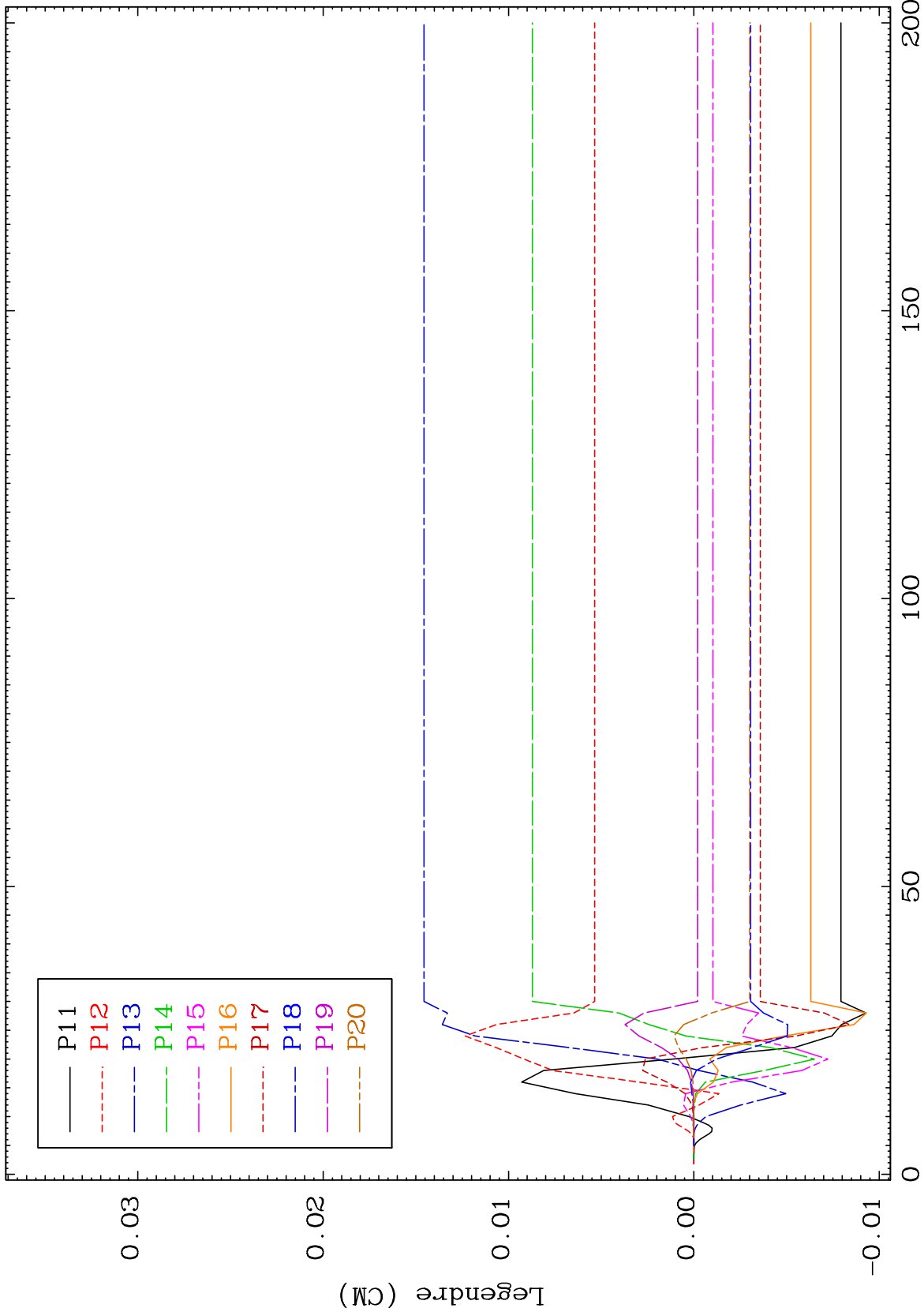
Legendre Coefficients



MAT 8119

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

81-T1-201



29

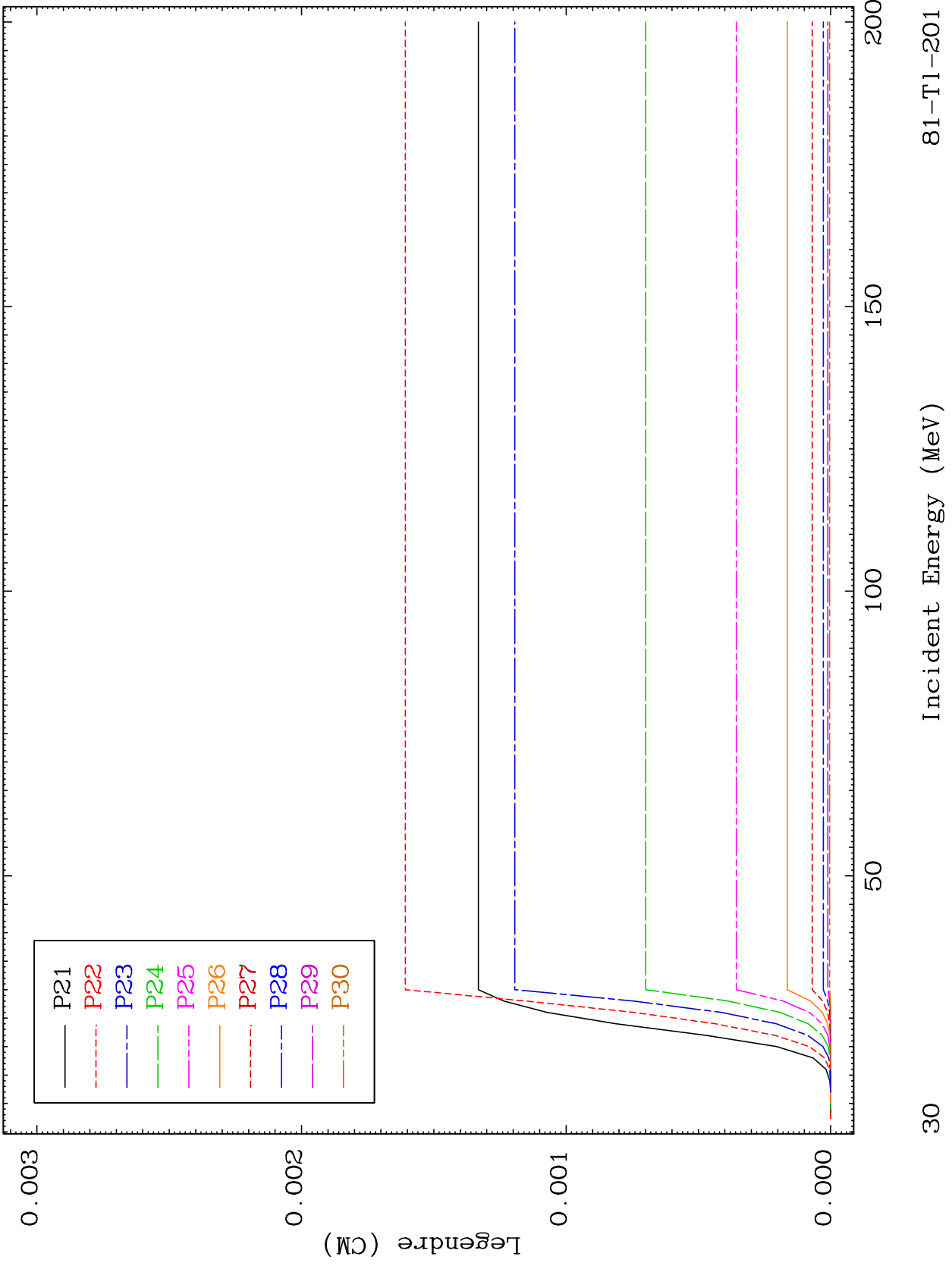
Incident Energy (MeV)

81-T1-201

MAT 81119

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

81-Tl-201



81-Tl-201

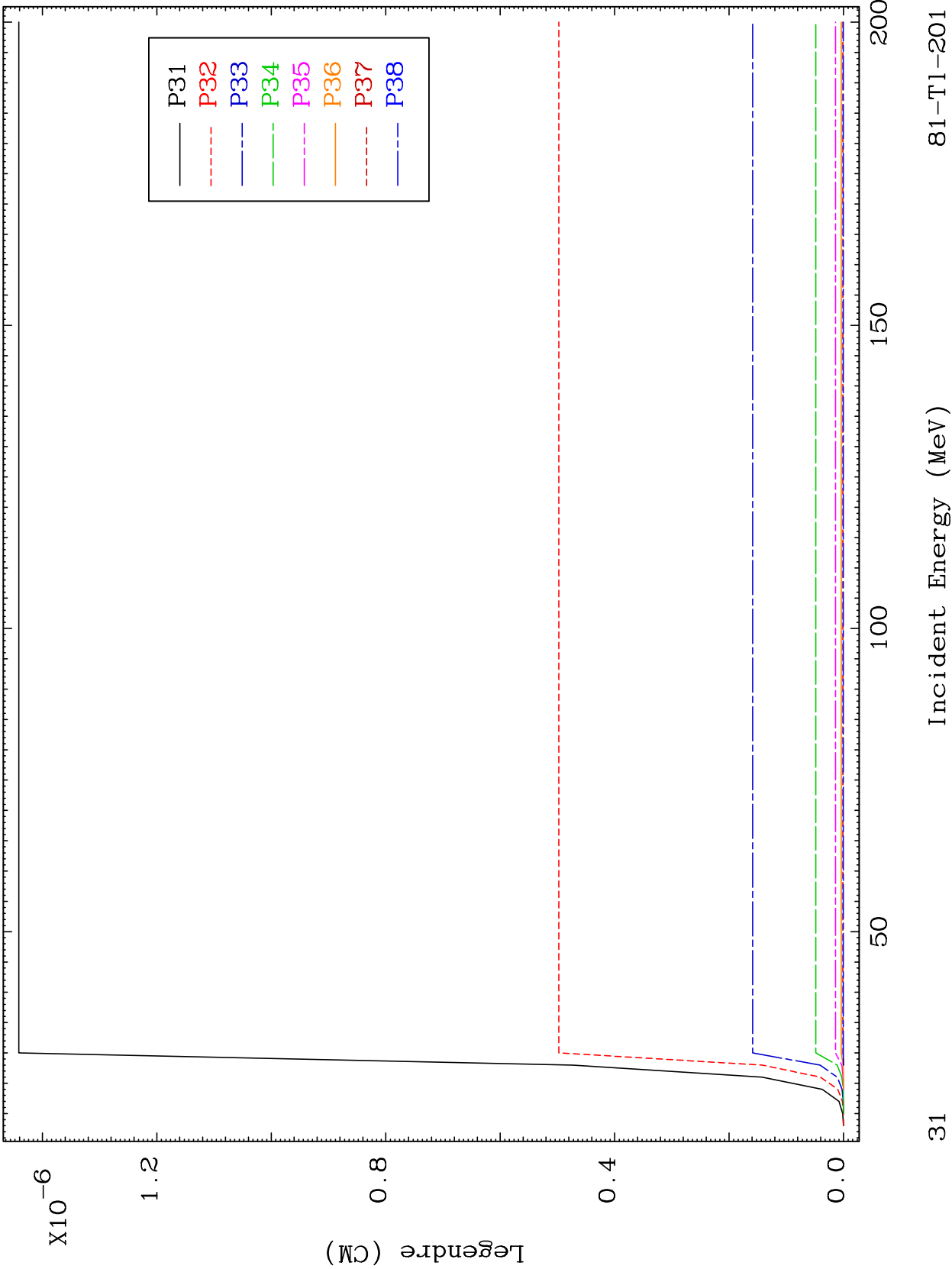
Incident Energy (MeV)

30

MAT 81119

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

81-T1-201



31

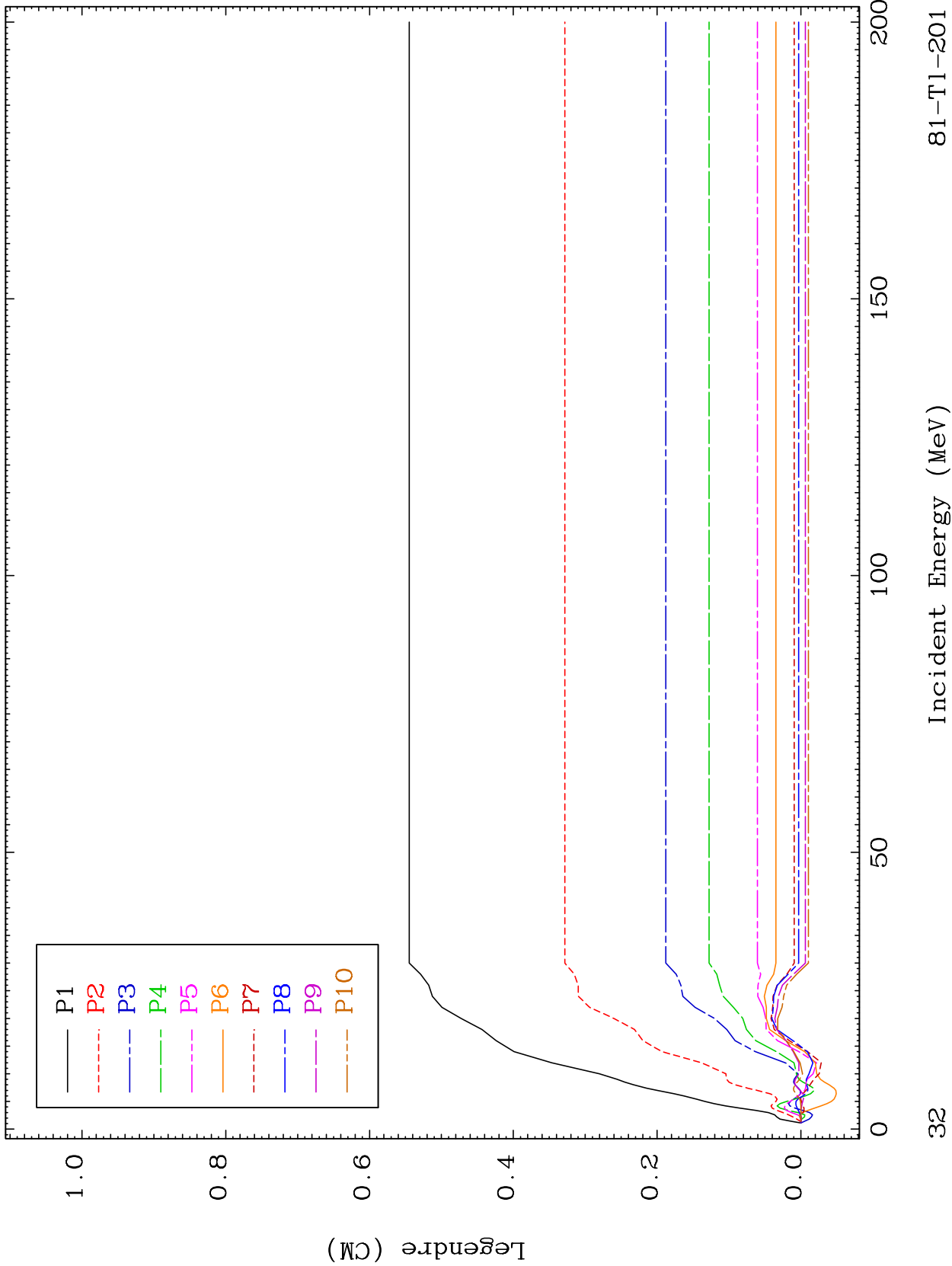
Incident Energy (MeV)

81-T1-201

MAT 81119

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

81-T1-201

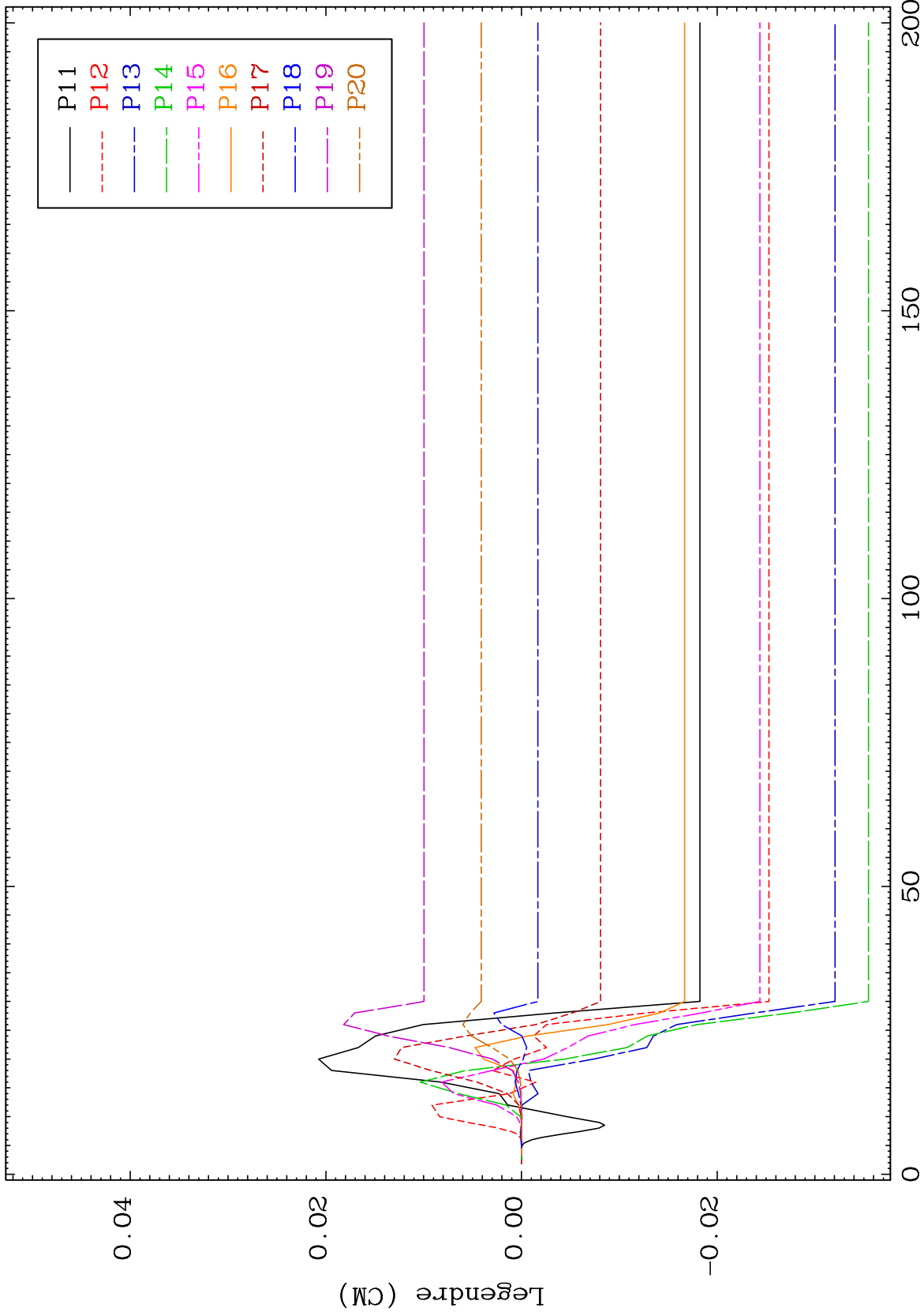


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MAT 81119

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

81-T1-201



33

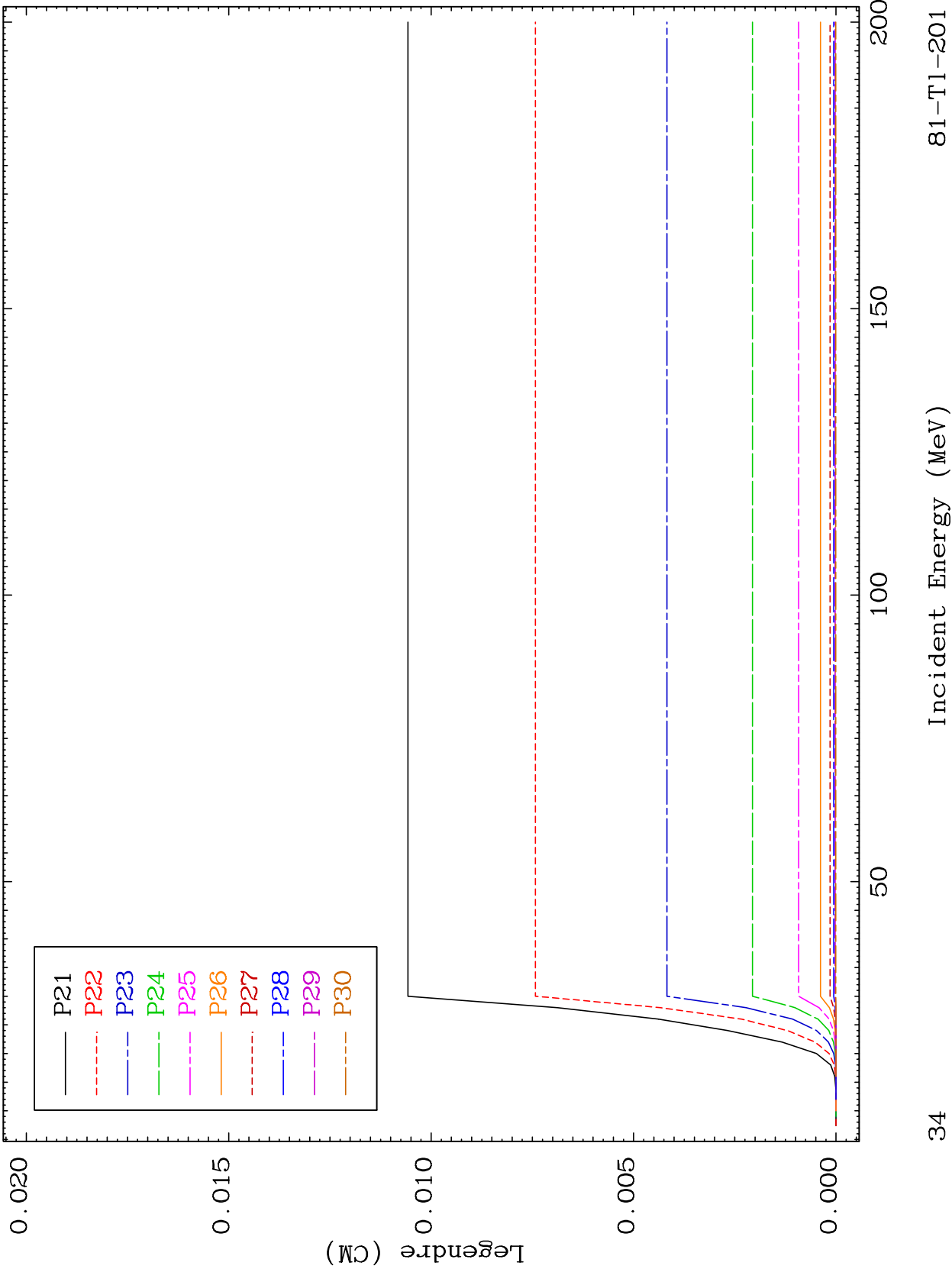
Incident Energy (MeV)

81-T1-201

MAT 8119

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

81-Tl-201



34

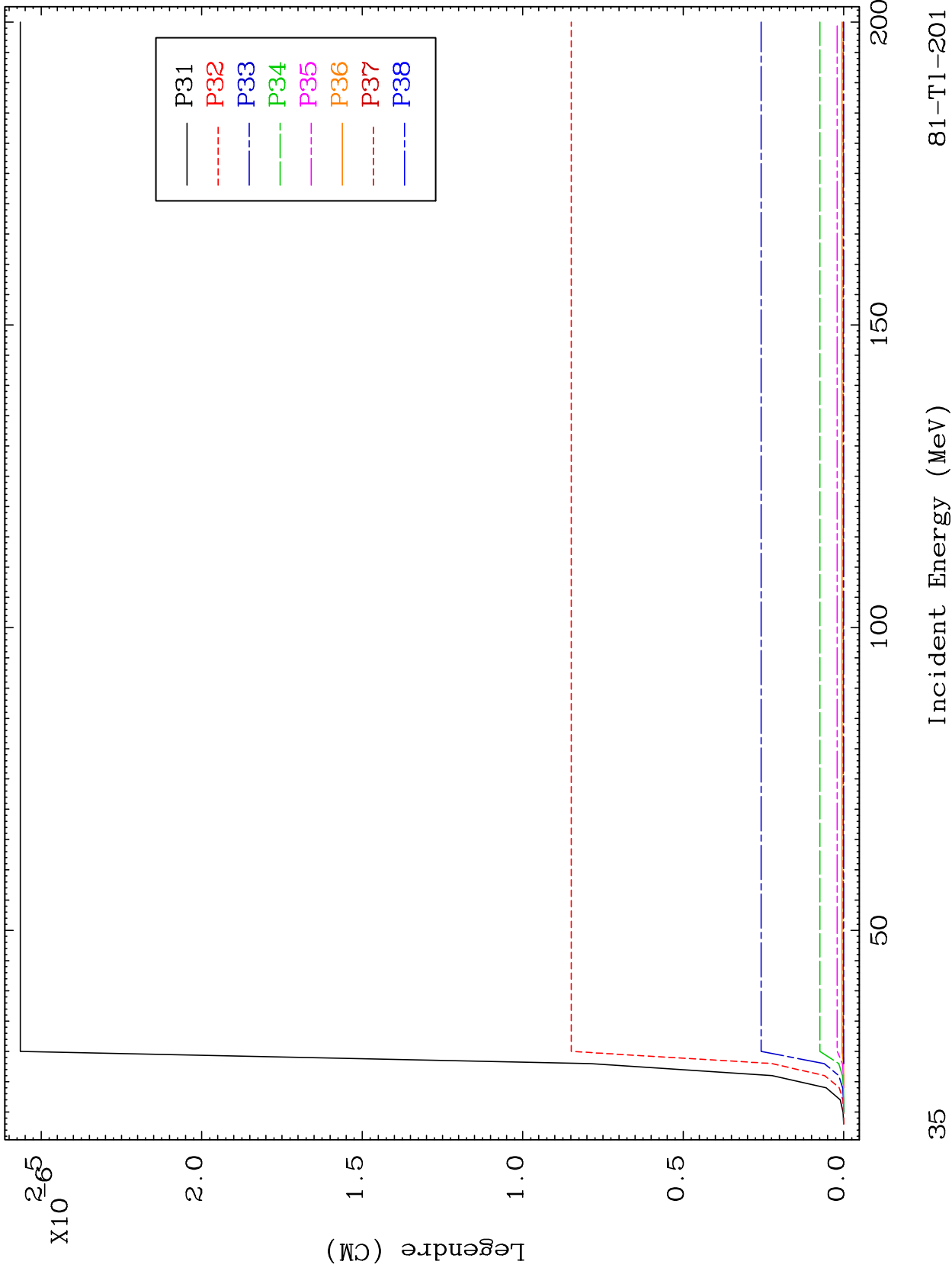
Incident Energy (MeV)

81-Tl-201

MAT 81119

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

81-T1-201

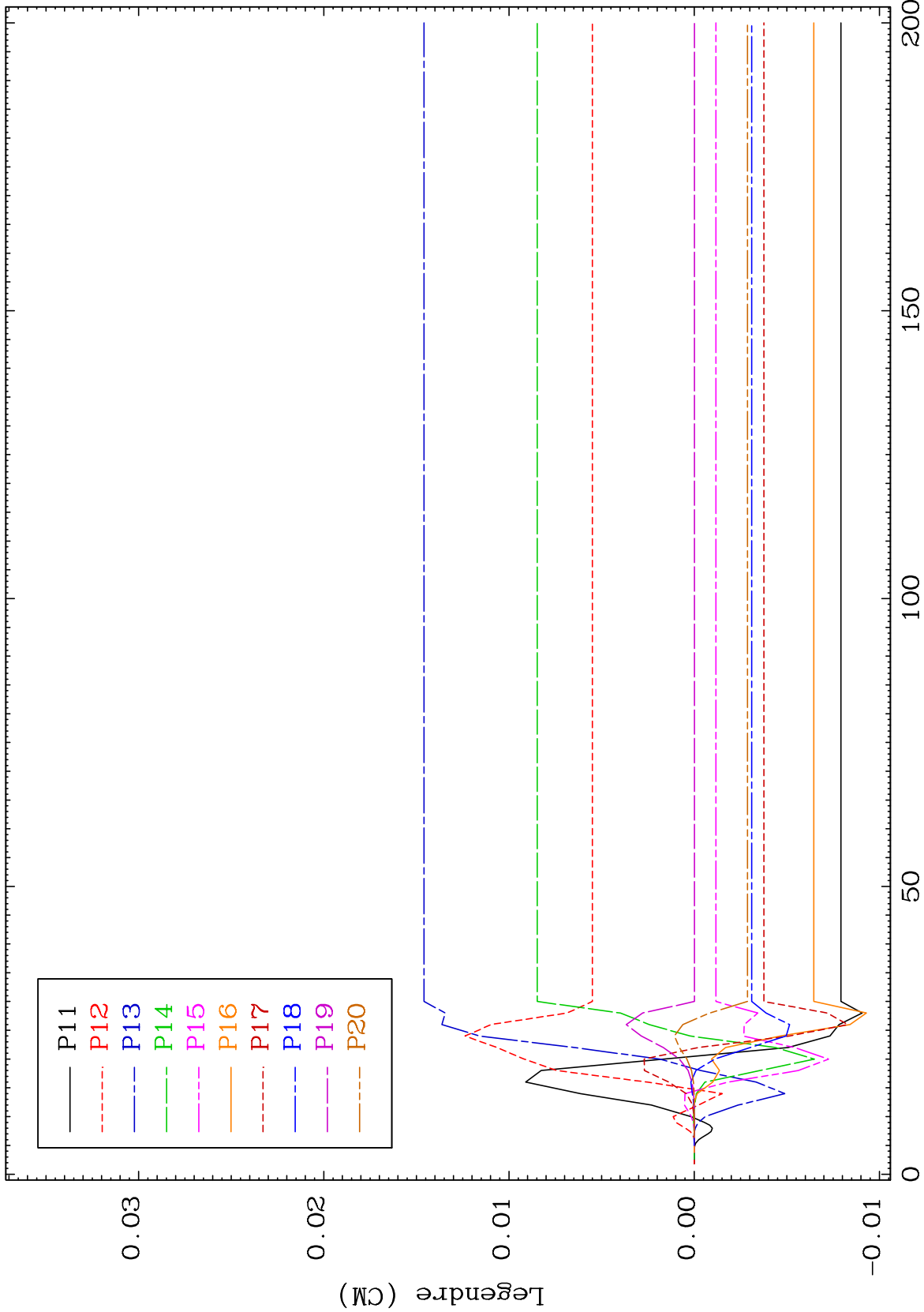




MAT 81119

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

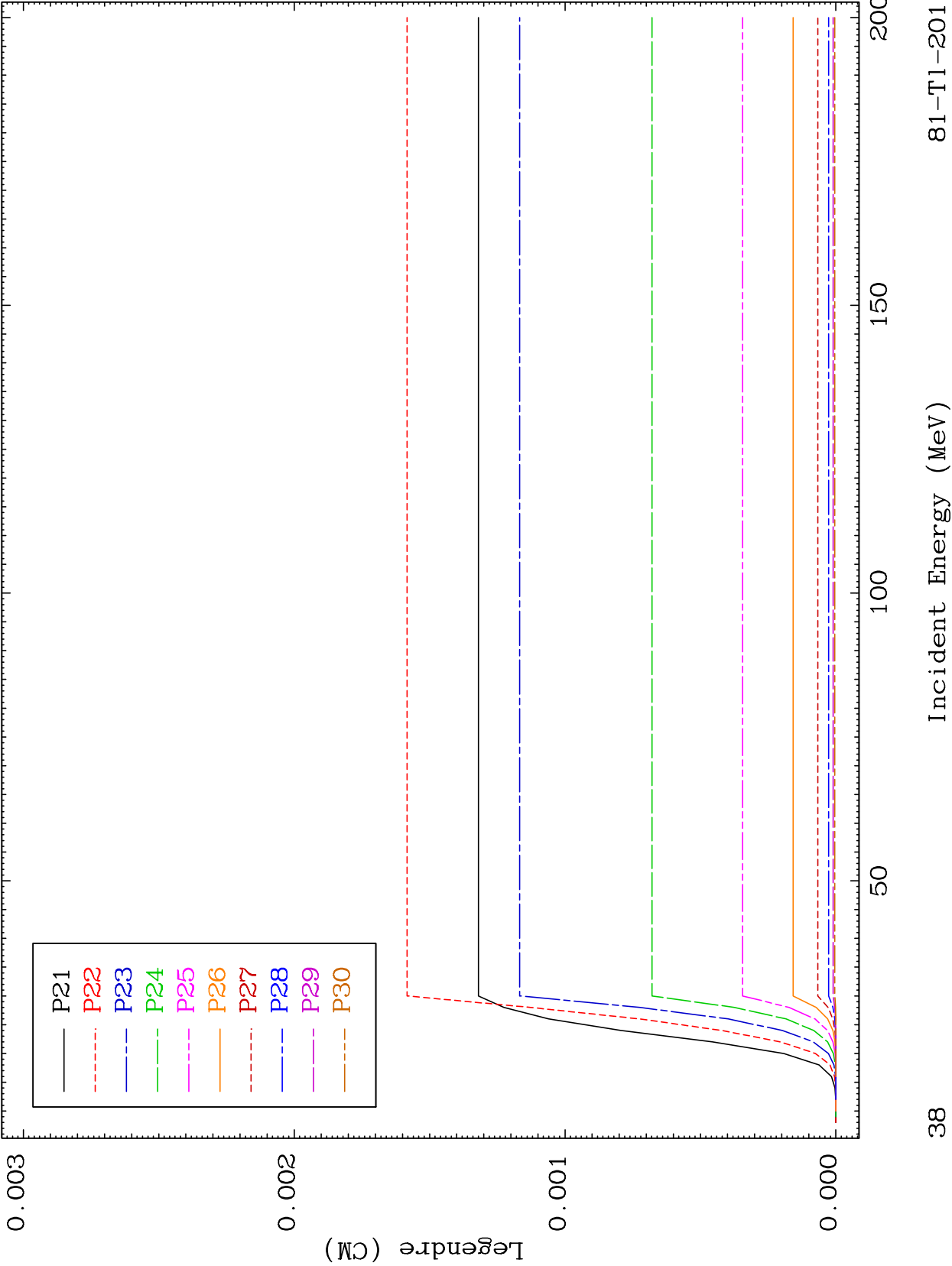
81-T1-201



37

Incident Energy (MeV)

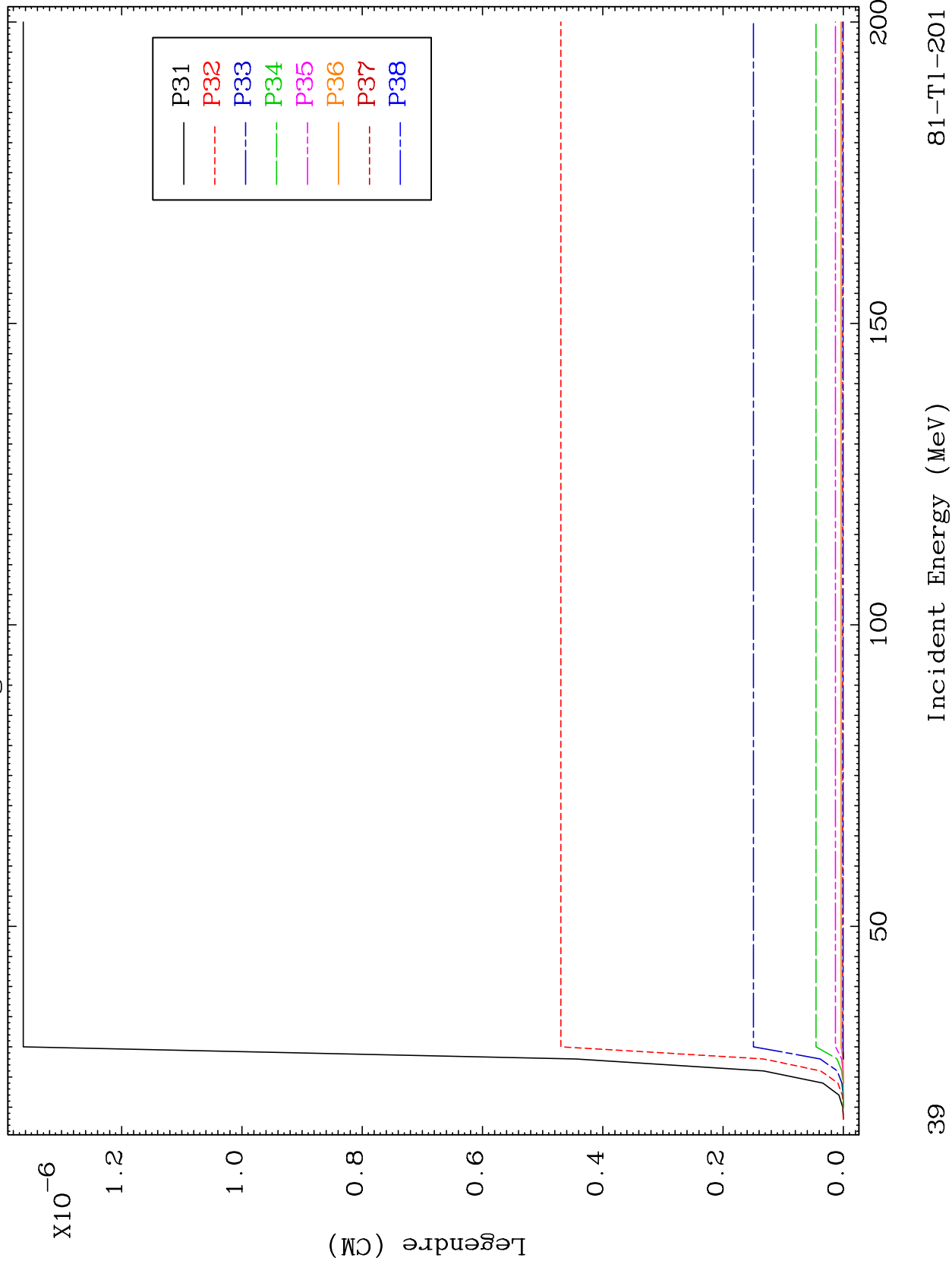
81-T1-201



MAT 8119

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

81-T1-201



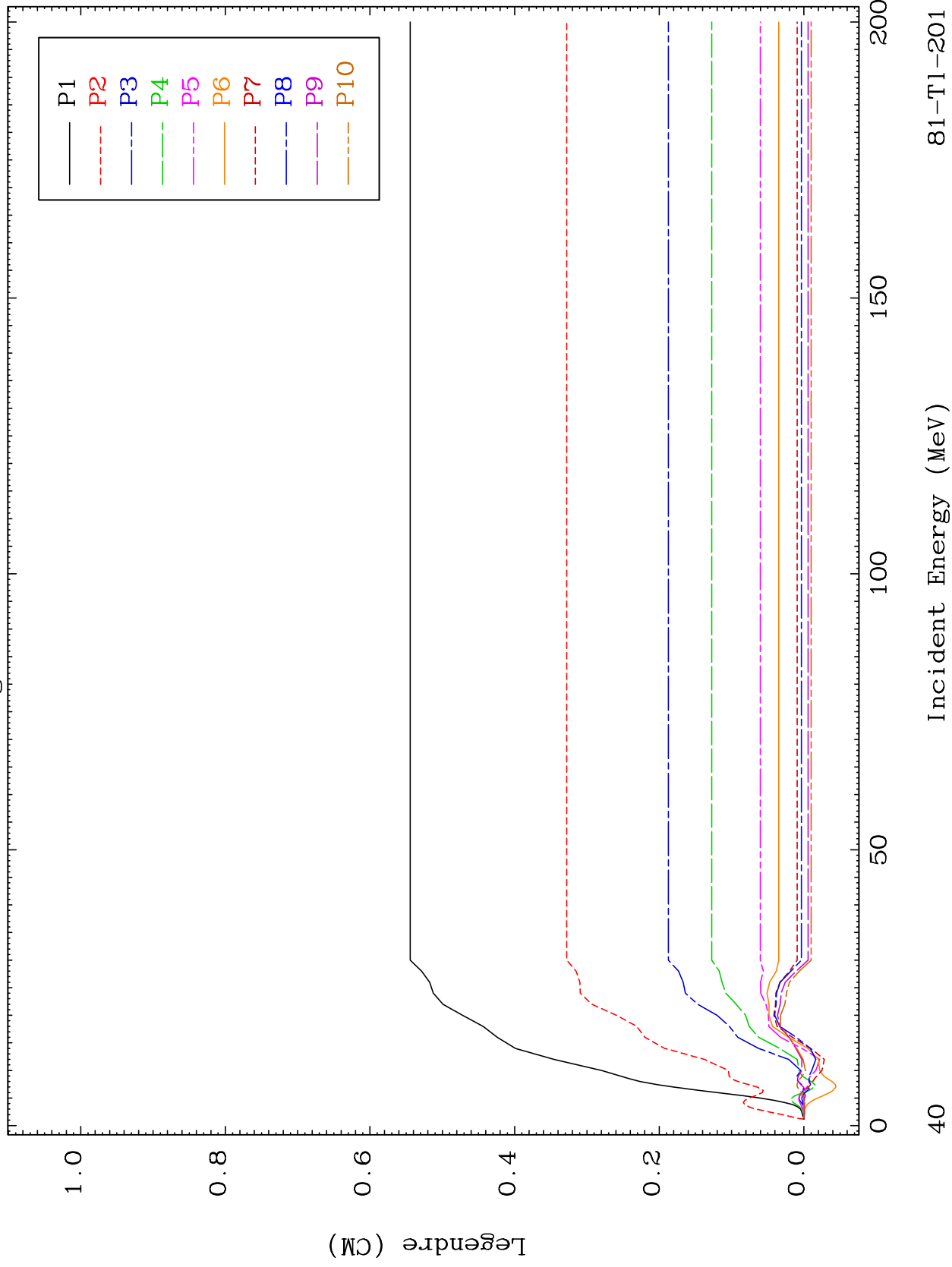
39

81-T1-201

MAT 81119

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

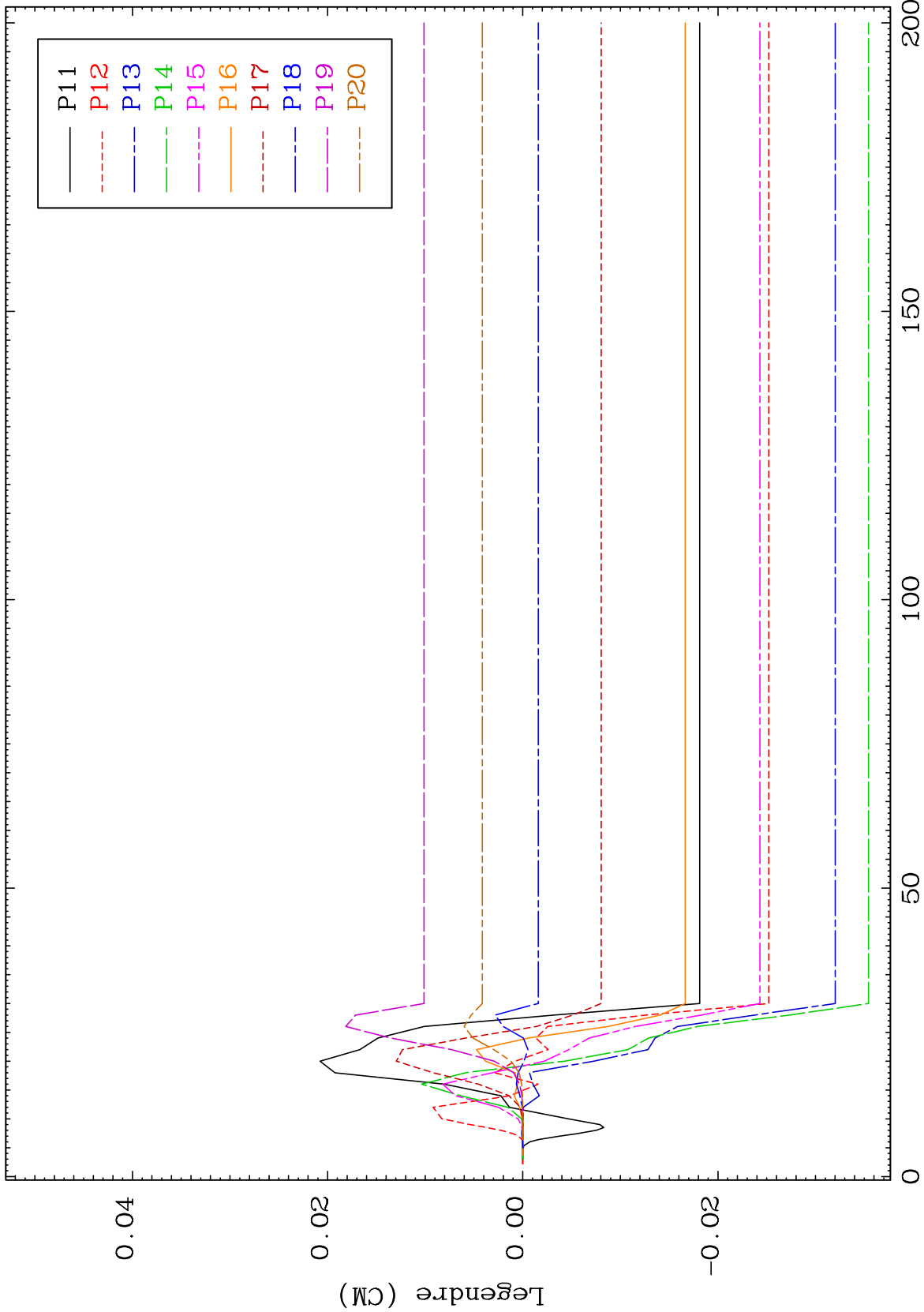
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MAT 81119

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

81-T1-201



41

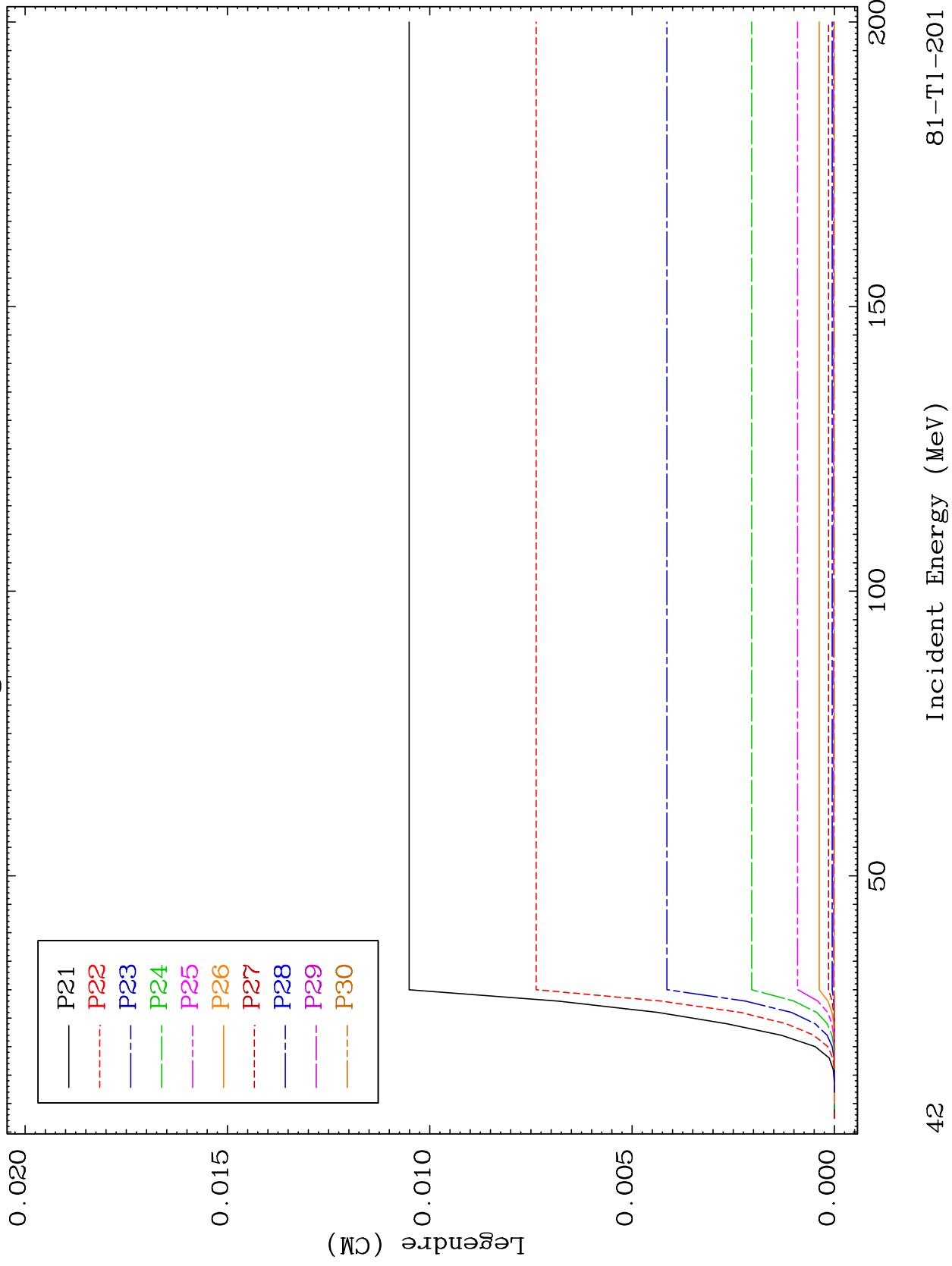
Incident Energy (MeV)

81-T1-201

MAT 81119

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

81-Tl-201



42

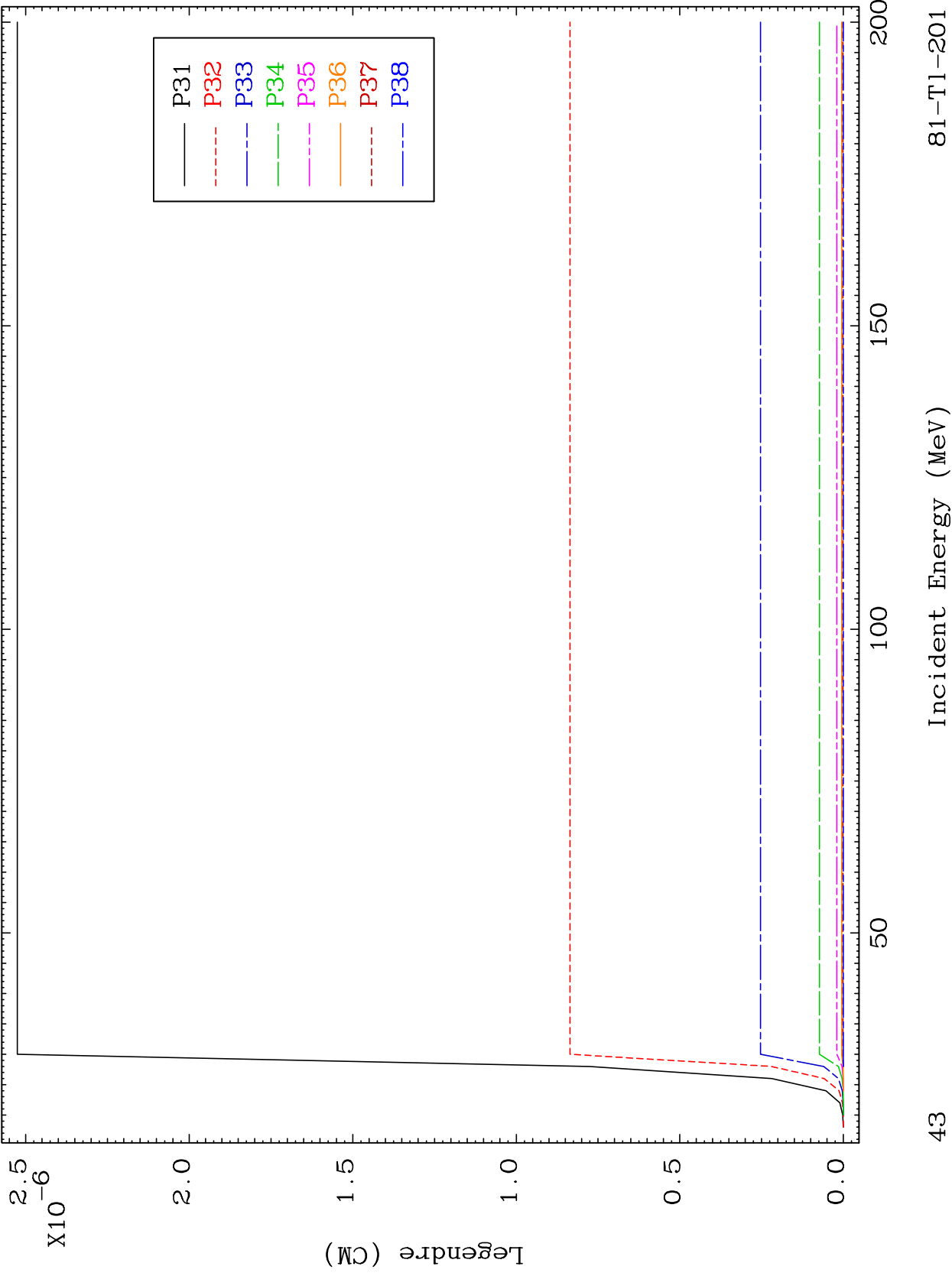
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81-Tl-201

MAT 81119

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

81-T1-201



43

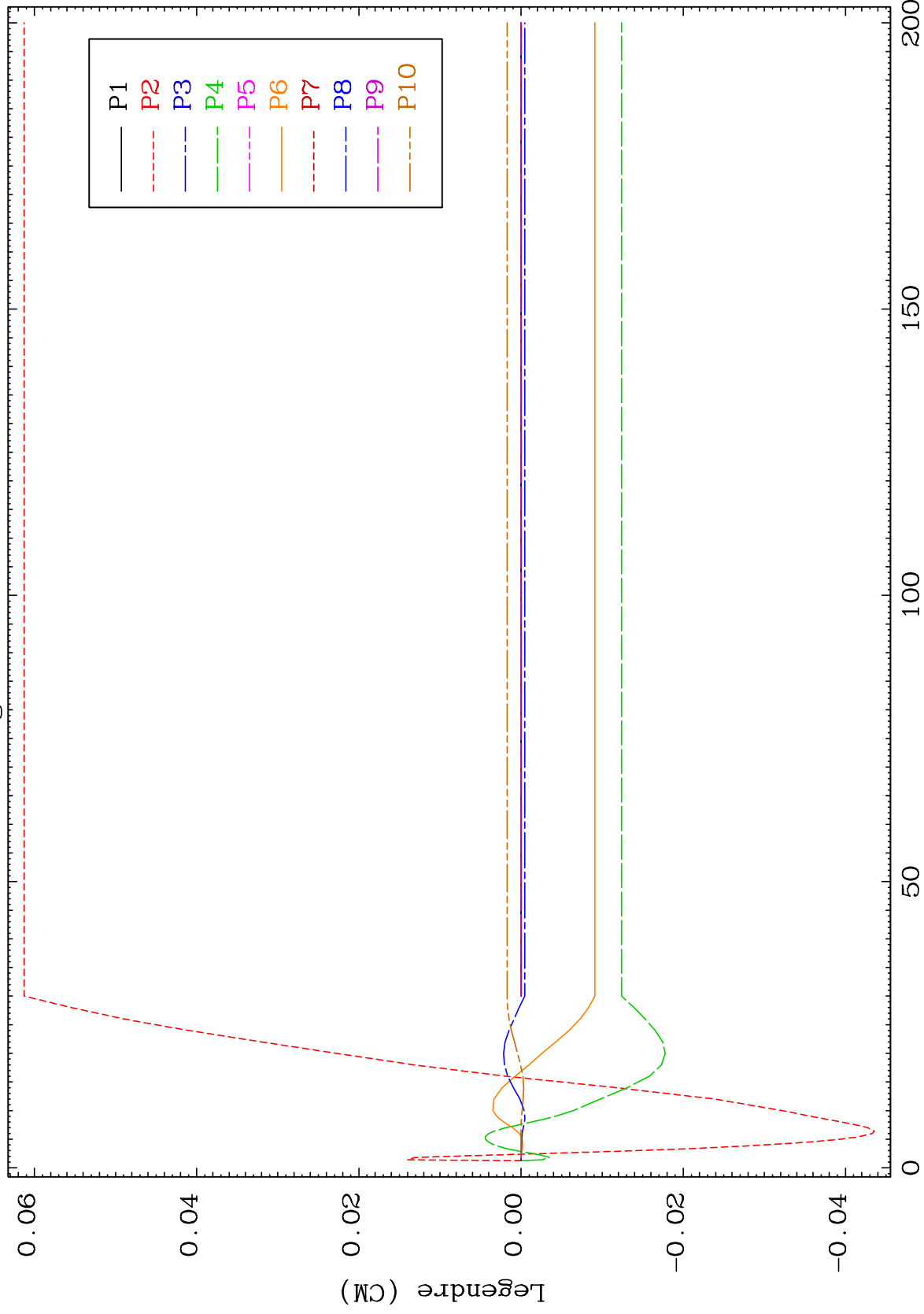
Incident Energy (MeV)

81-T1-201

MAT 81119

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

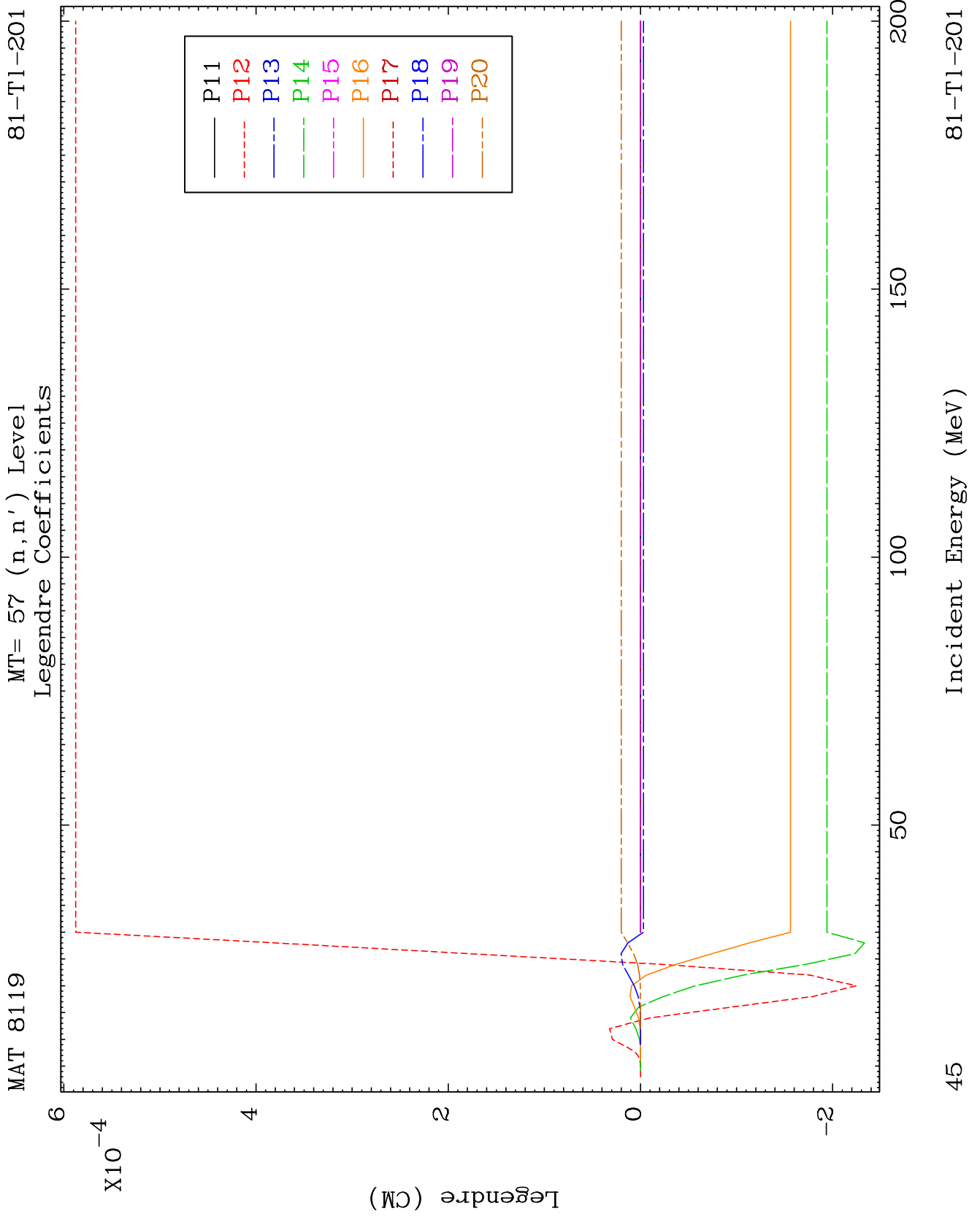
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44

Incident Energy (MeV)

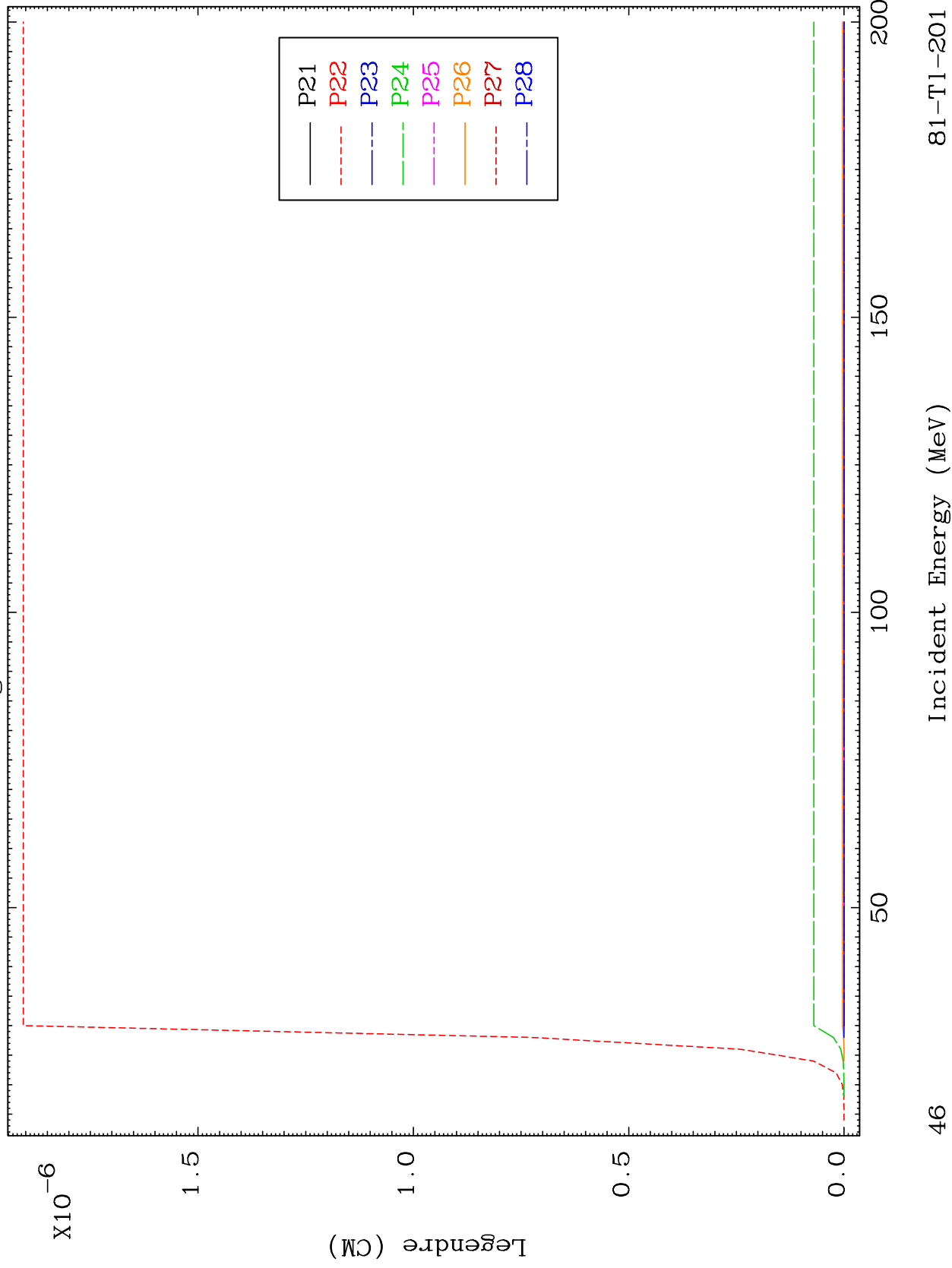
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MAT 81119

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

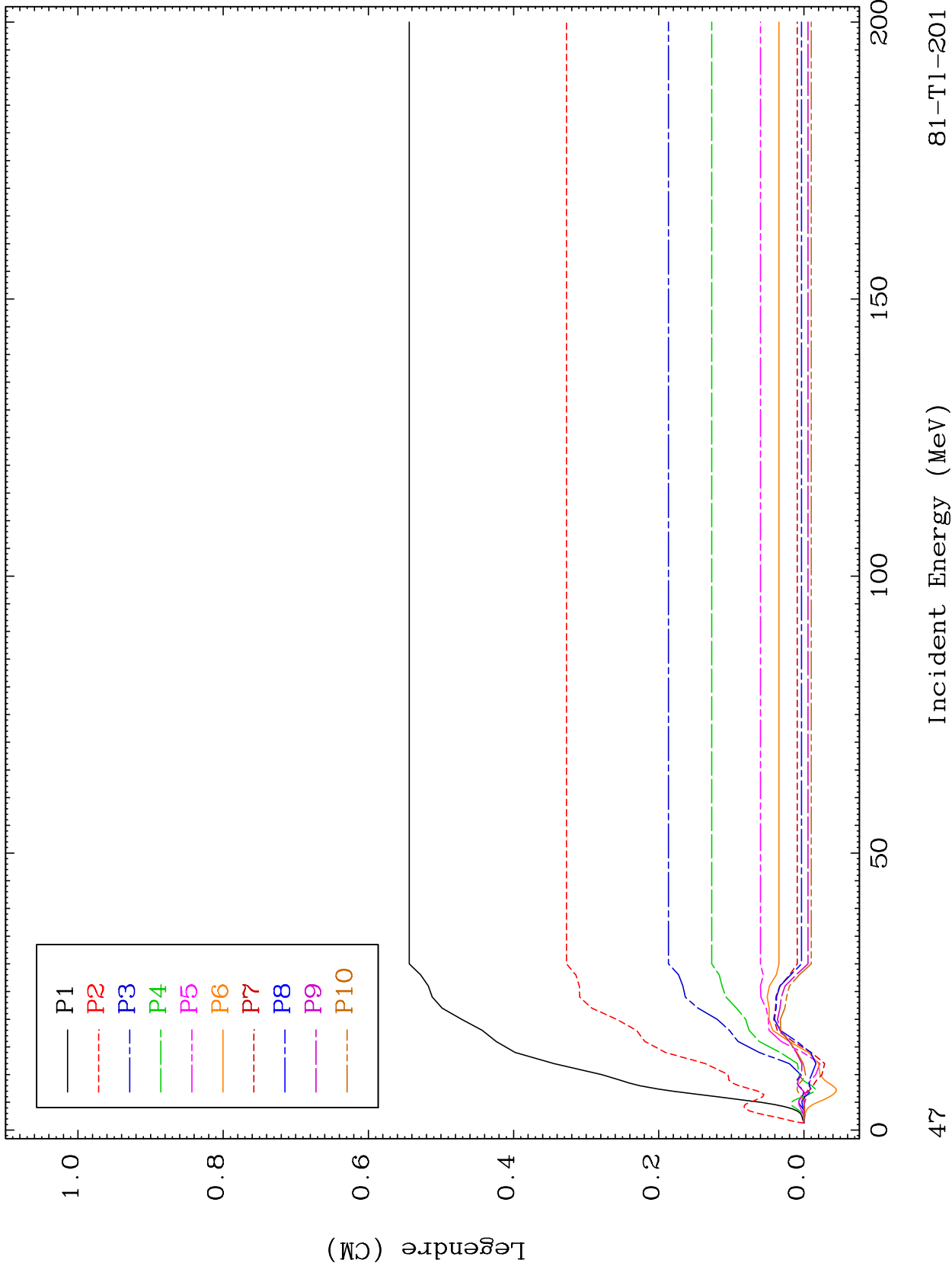
81-Tl-201



MAT 81119

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

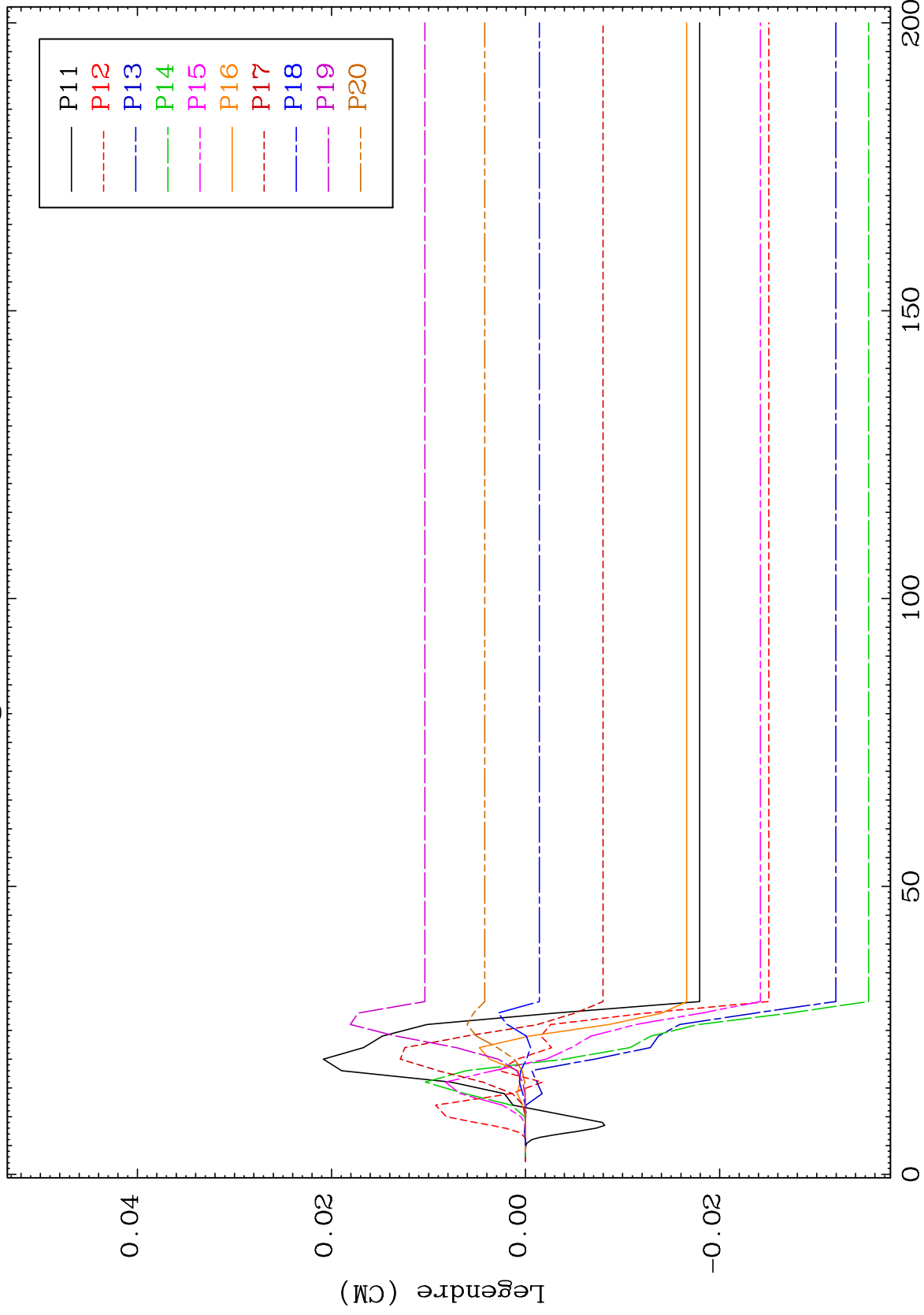
81-T1-201



MAT 81119

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

81-T1-201



48

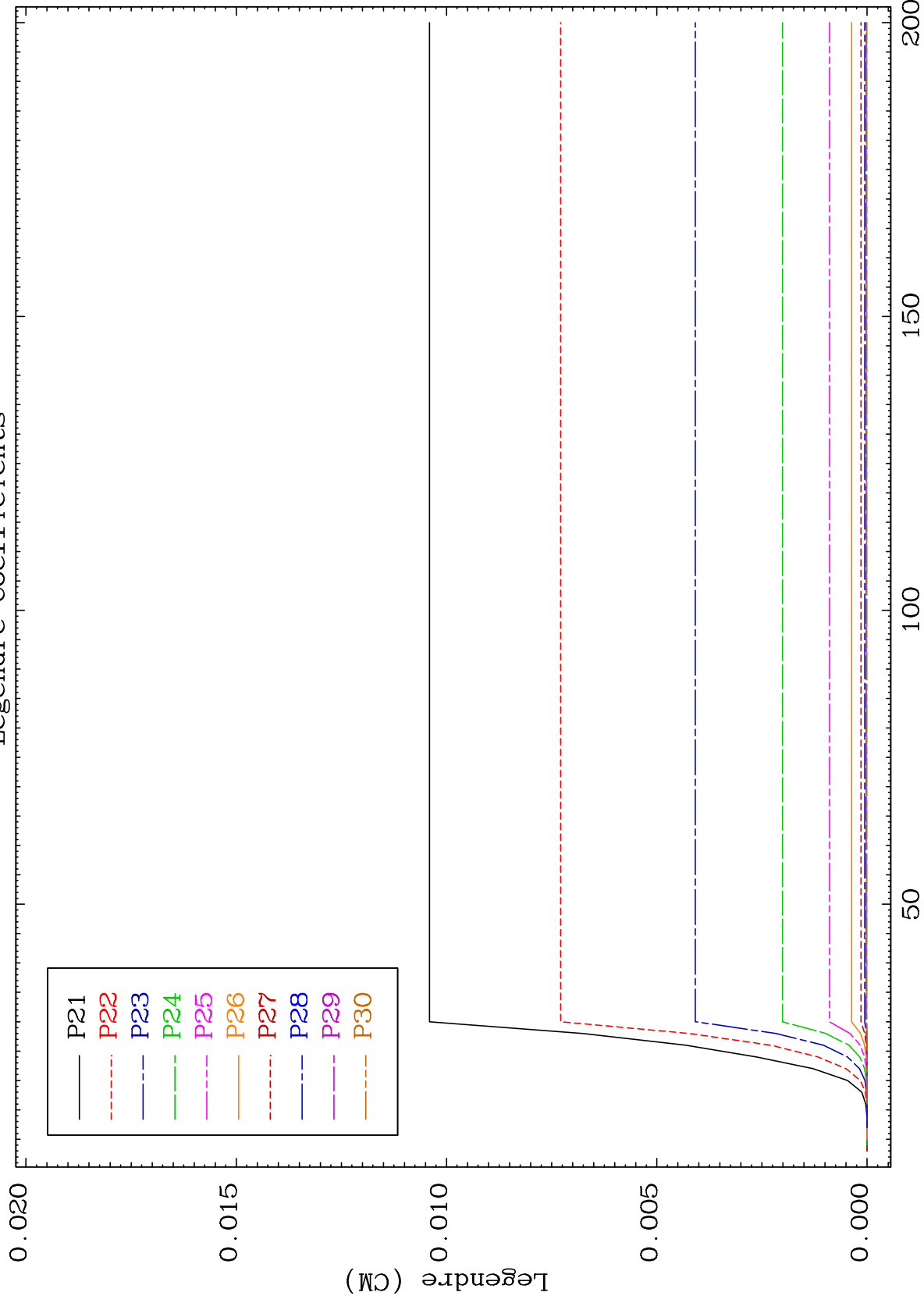
Incident Energy (MeV)

81-T1-201

MAT 81119

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

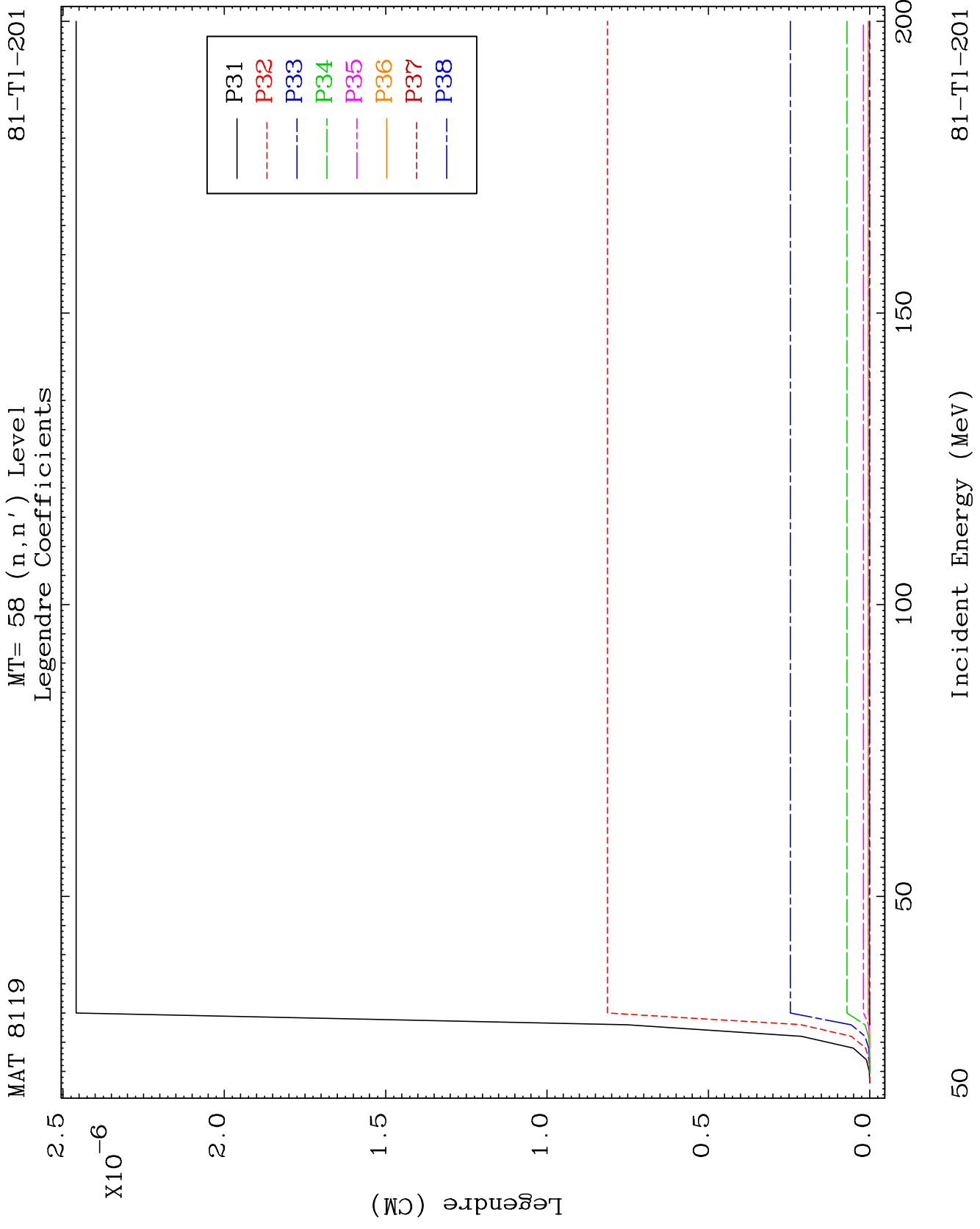
81-Tl-201



49

Incident Energy (MeV)

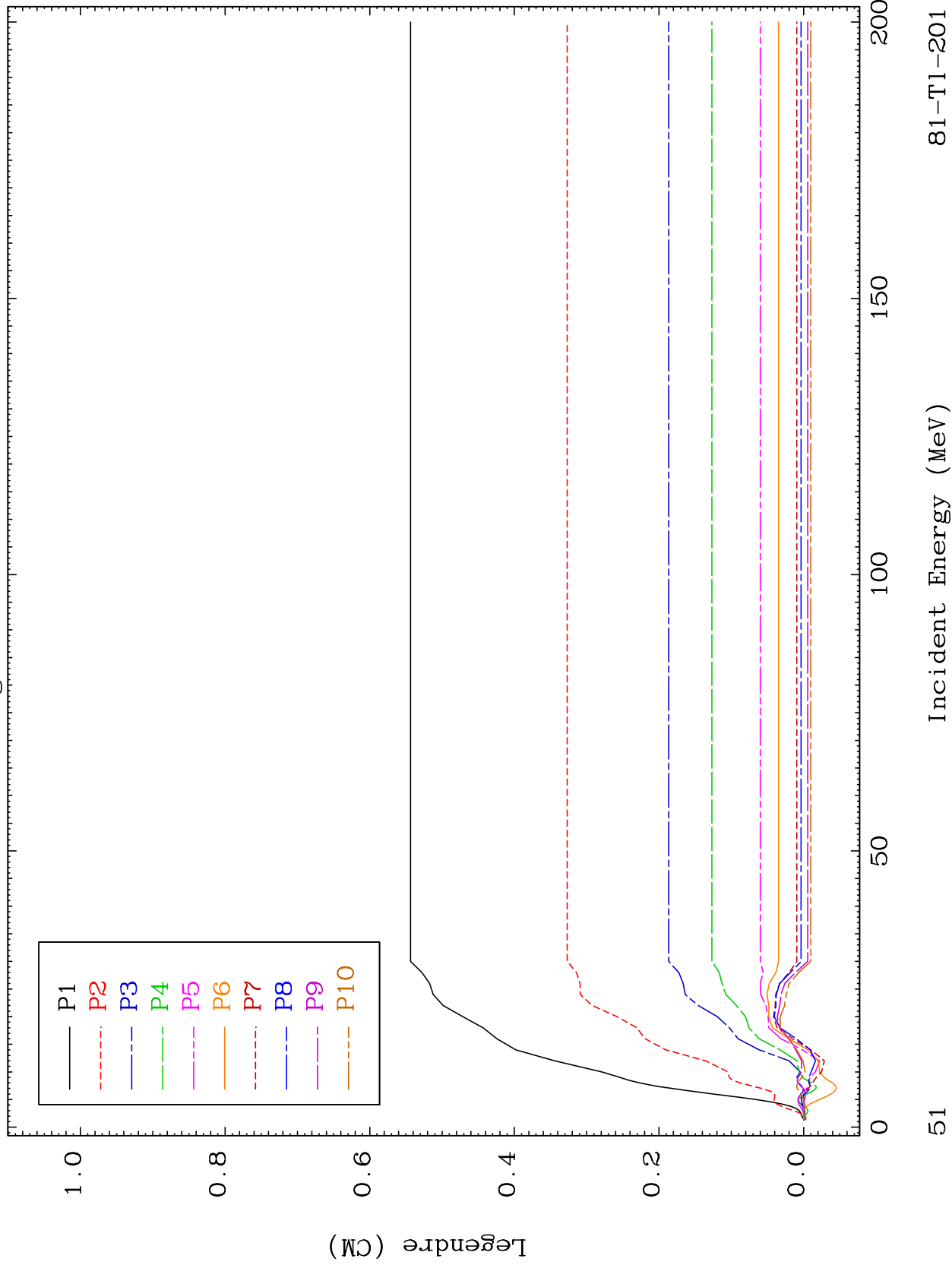
81-Tl-201



MAT 81119

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

81-T1-201



51

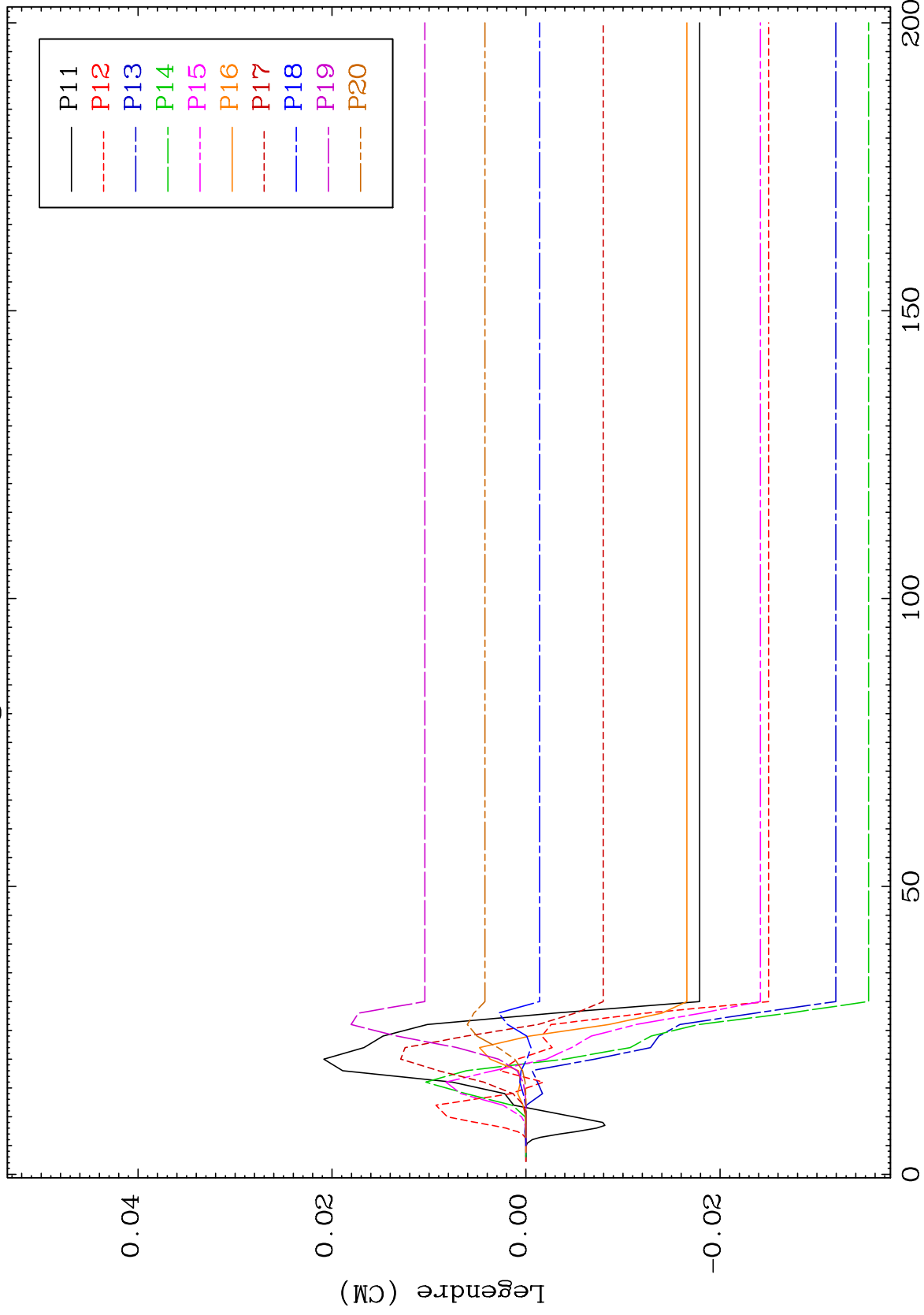
Incident Energy (MeV)

81-T1-201

MAT 81119

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

81-T1-201



52

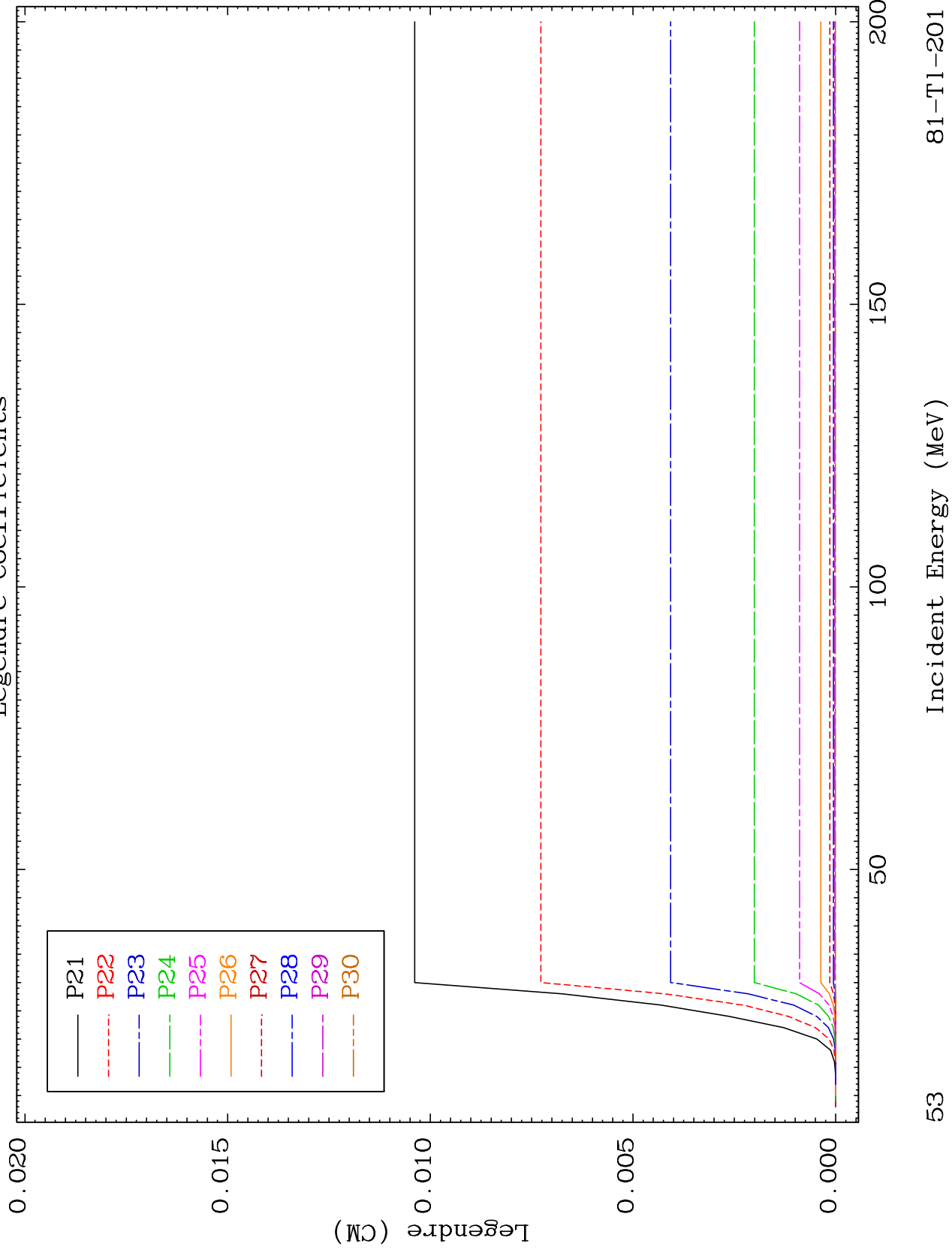
Incident Energy (MeV)

81-T1-201

MAT 81119

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

81-Tl-201



53

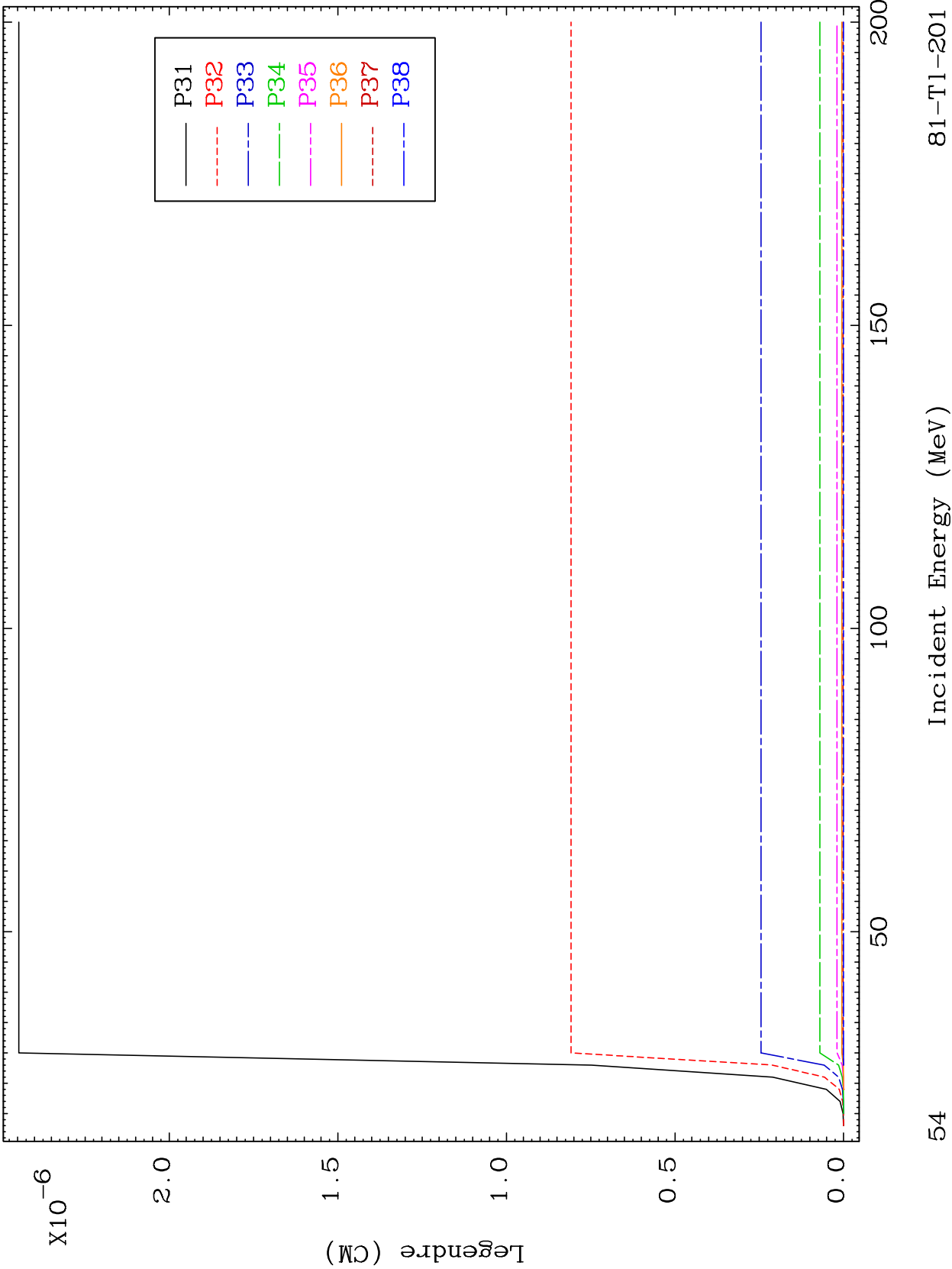
Incident Energy (MeV)

81-Tl-201

MAT 81119

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

81-T1-201



54

Incident Energy (MeV)

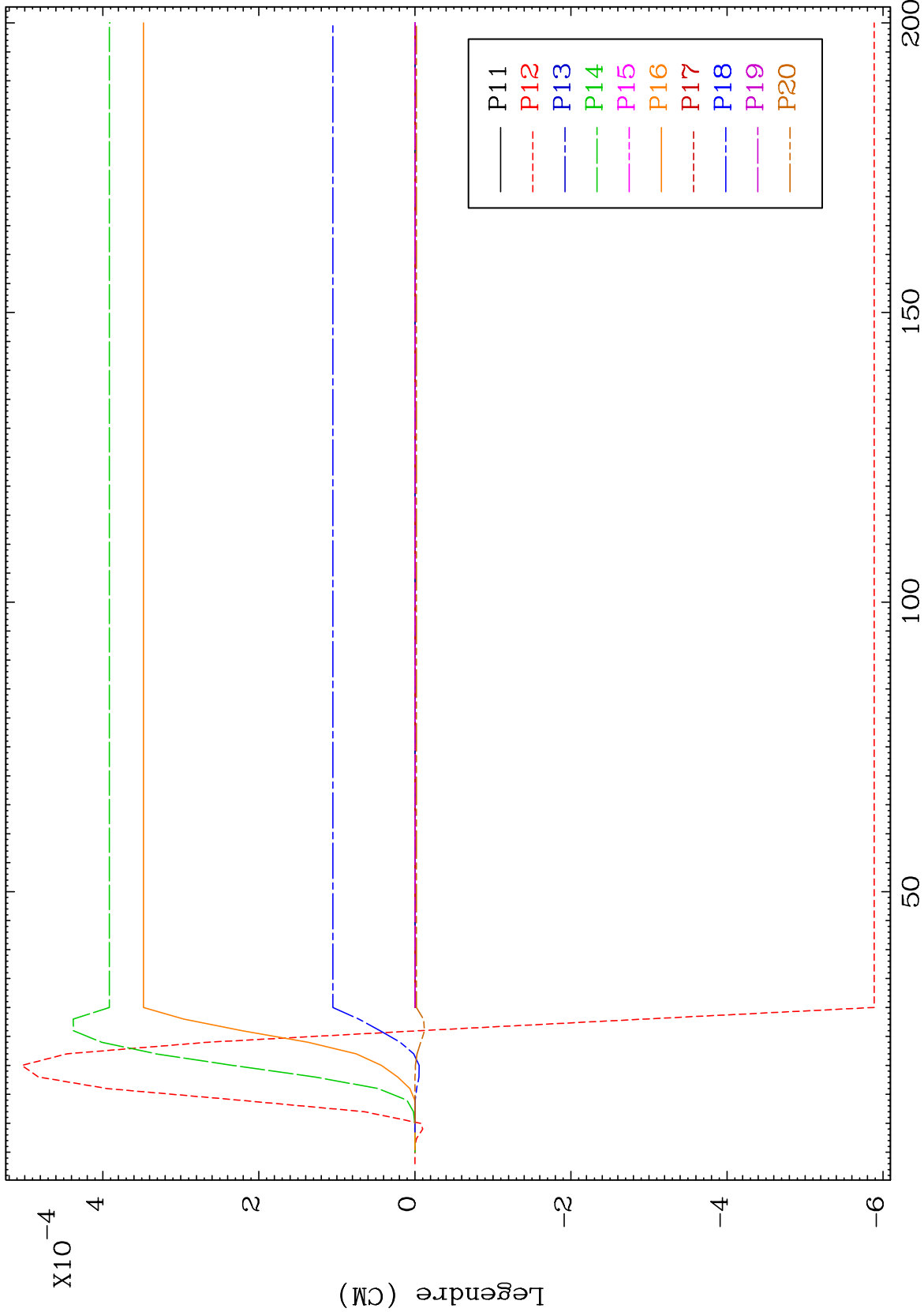
81-T1-201



MAT 81119

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

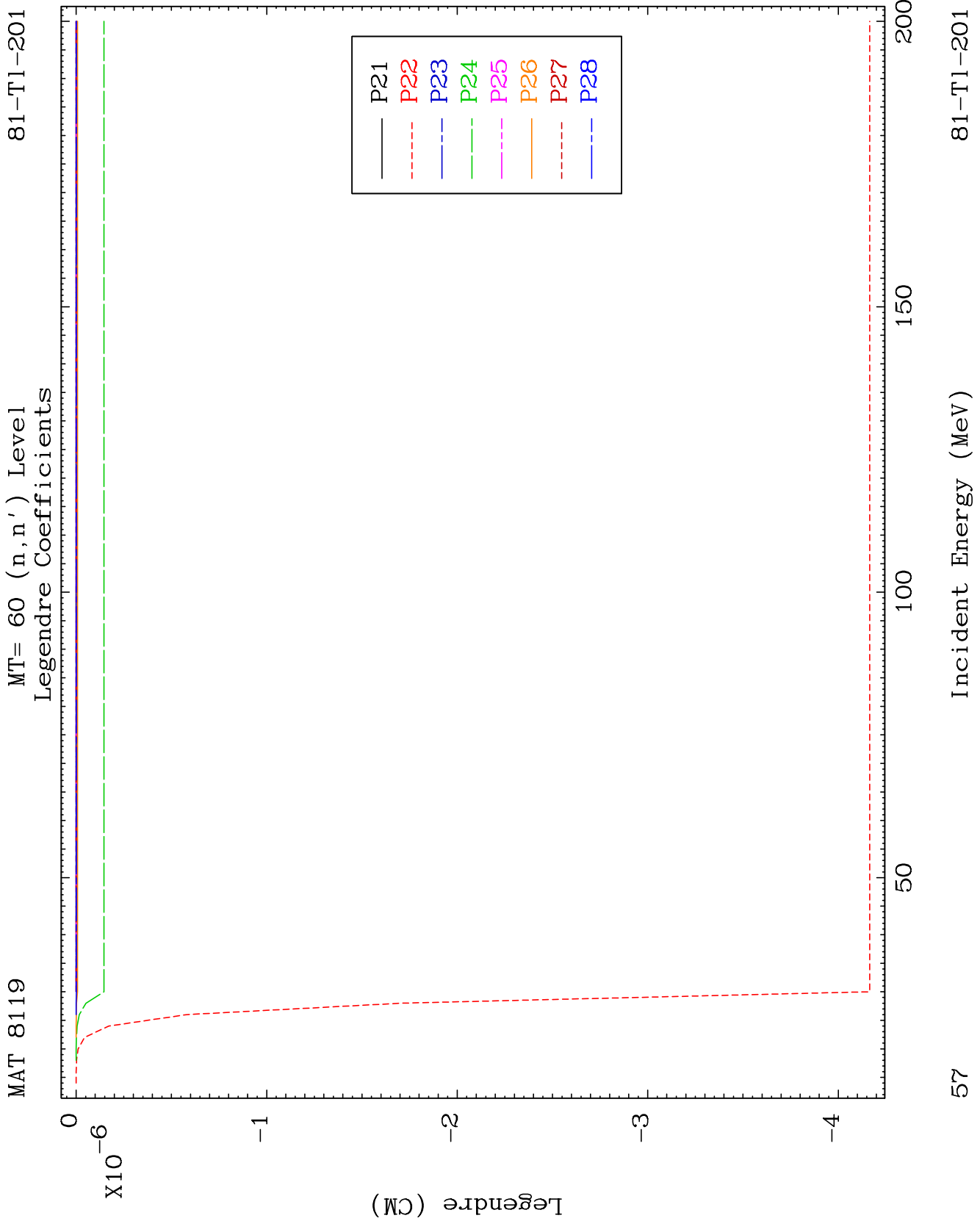
81-T1-201



56

Incident Energy (MeV)

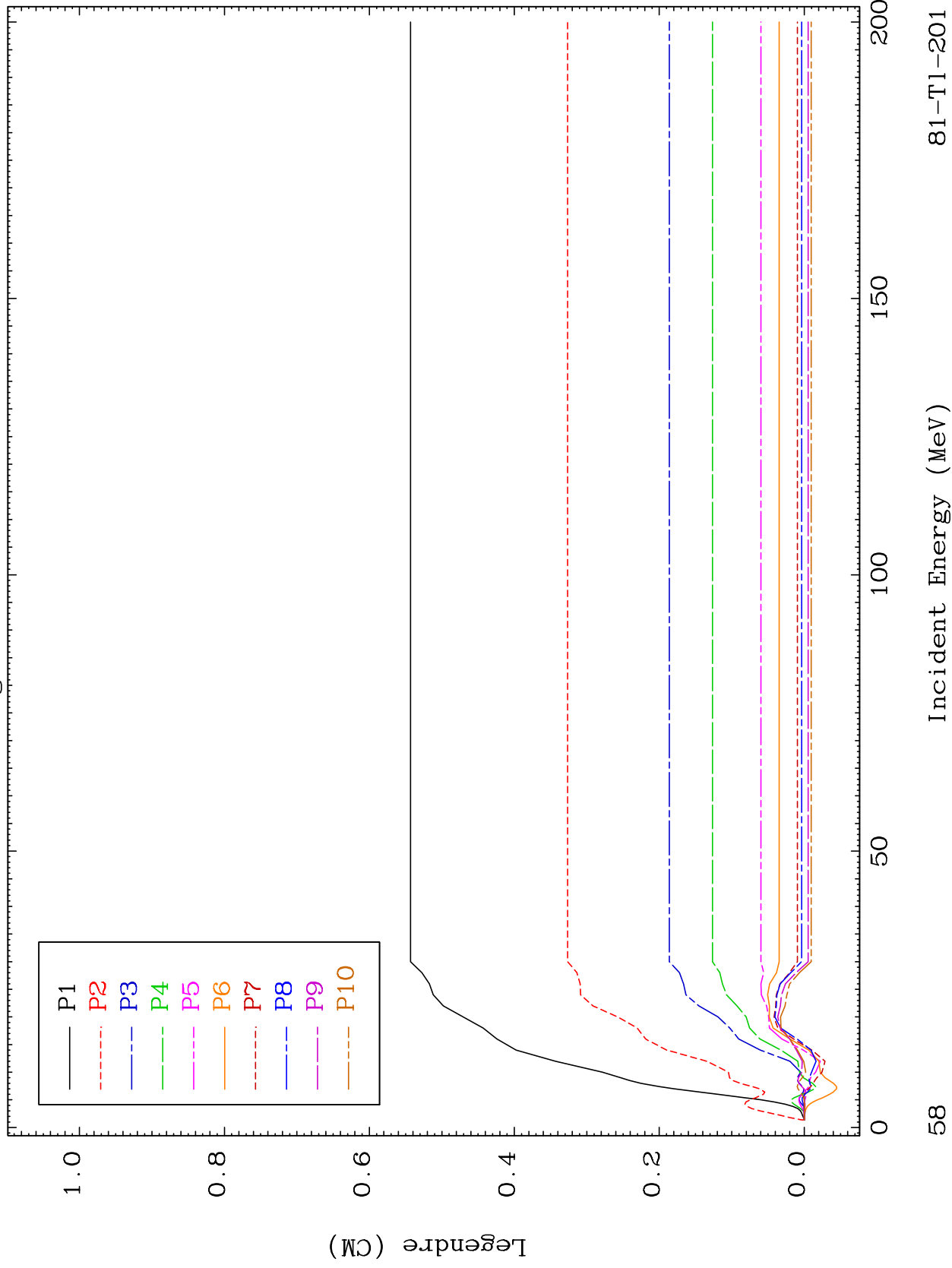
81-T1-201



MAT 81119

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

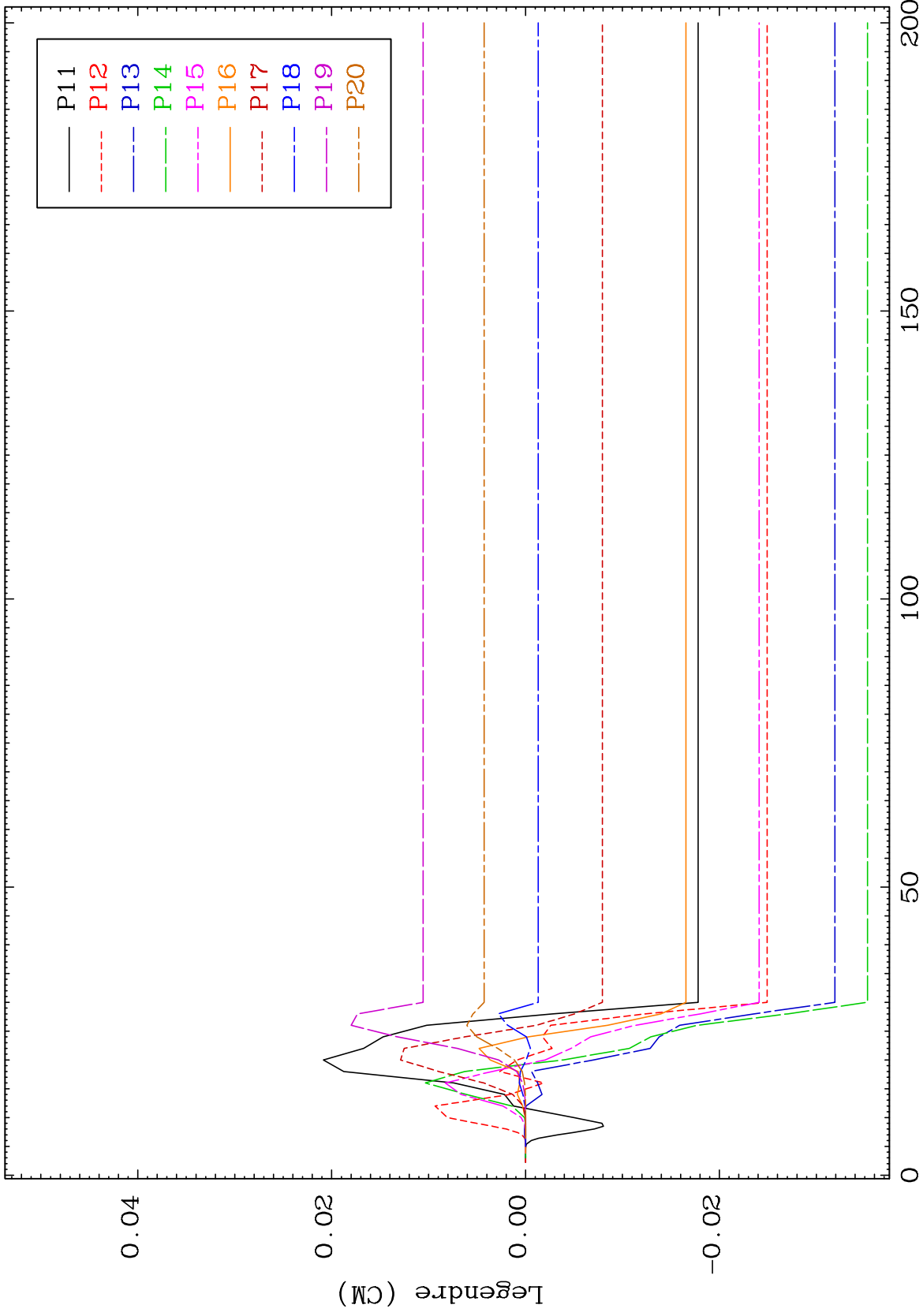
81-T1-201



MAT 81119

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

81-Tl-201



59

Incident Energy (MeV)

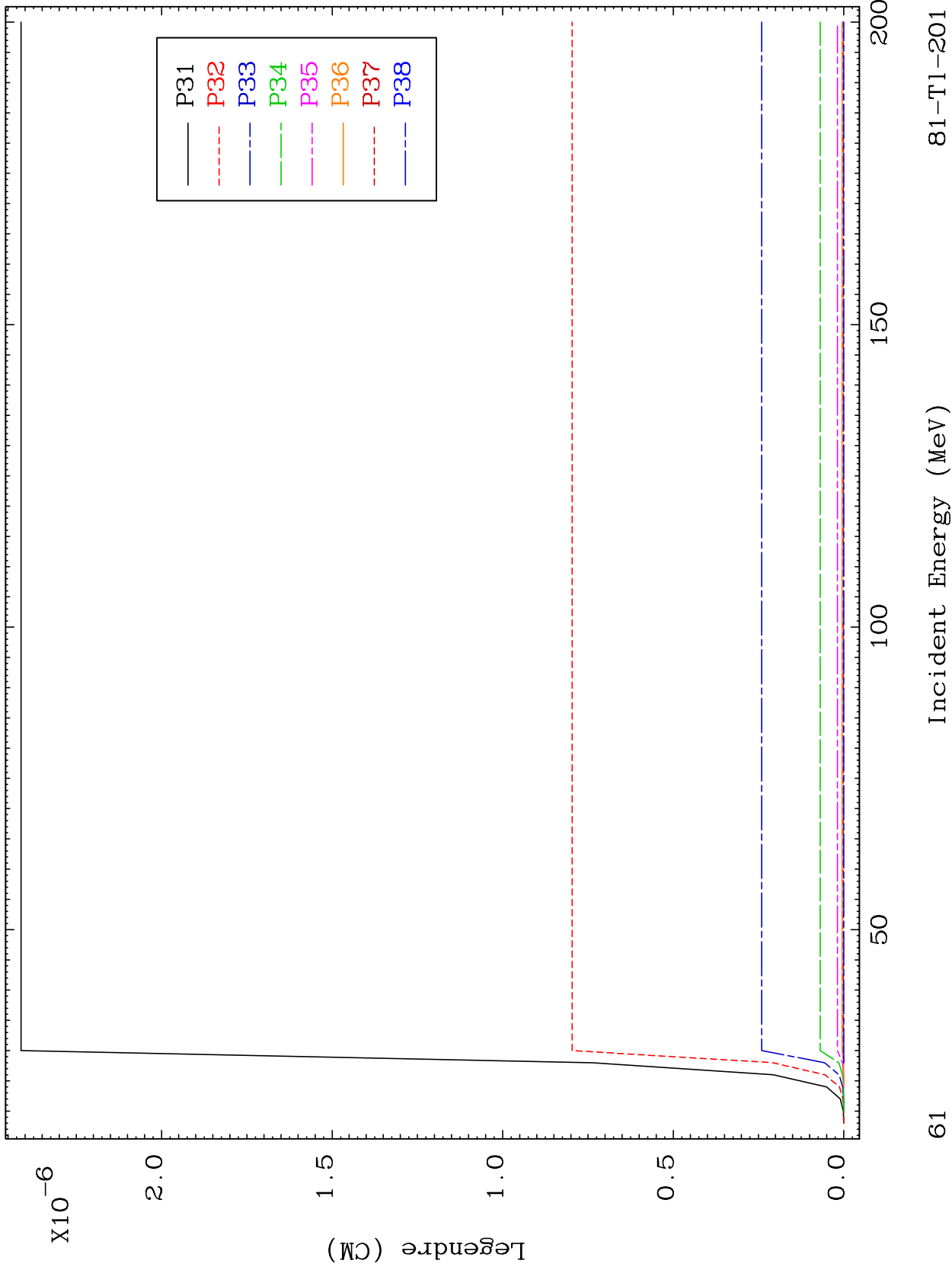
81-Tl-201



MAT 81119

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

81-T1-201



61

Incident Energy (MeV)

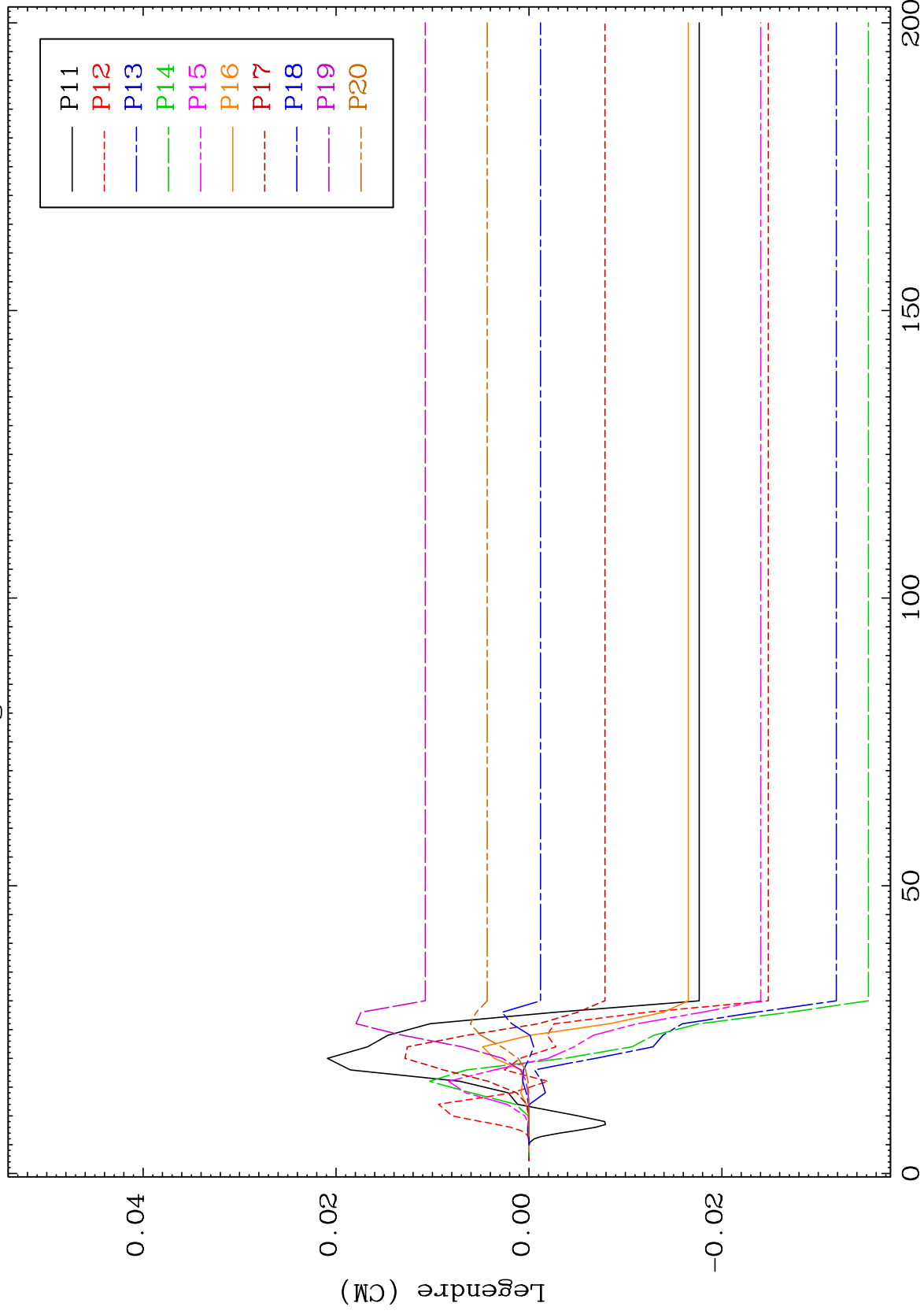
81-T1-201



MAT 81119

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

81-Tl-201



63

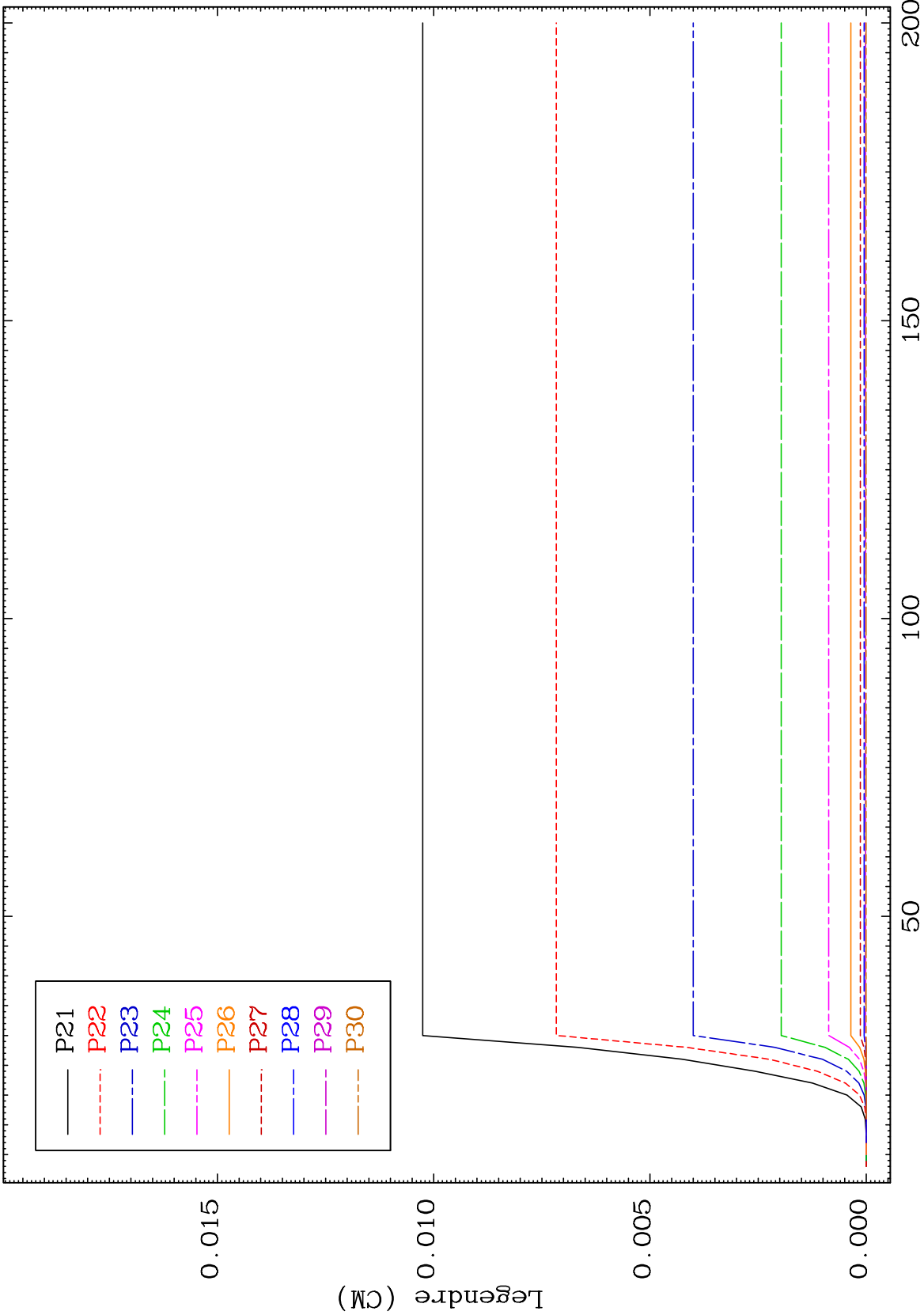
Incident Energy (MeV)

81-Tl-201

MAT 8119

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

81-Tl-201



64

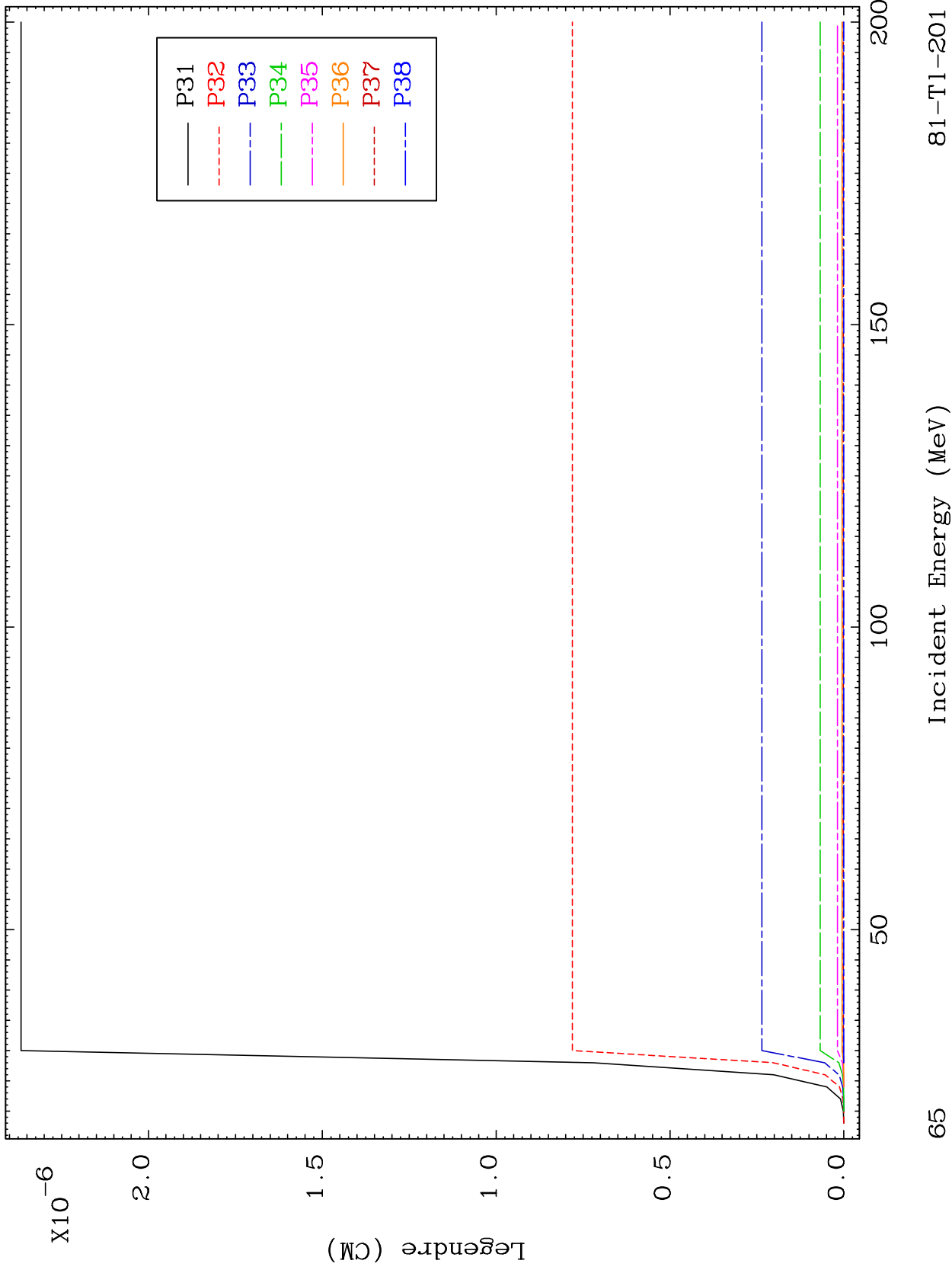
Incident Energy (MeV)

81-Tl-201

MAT 81119

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

81-Tl-201



65

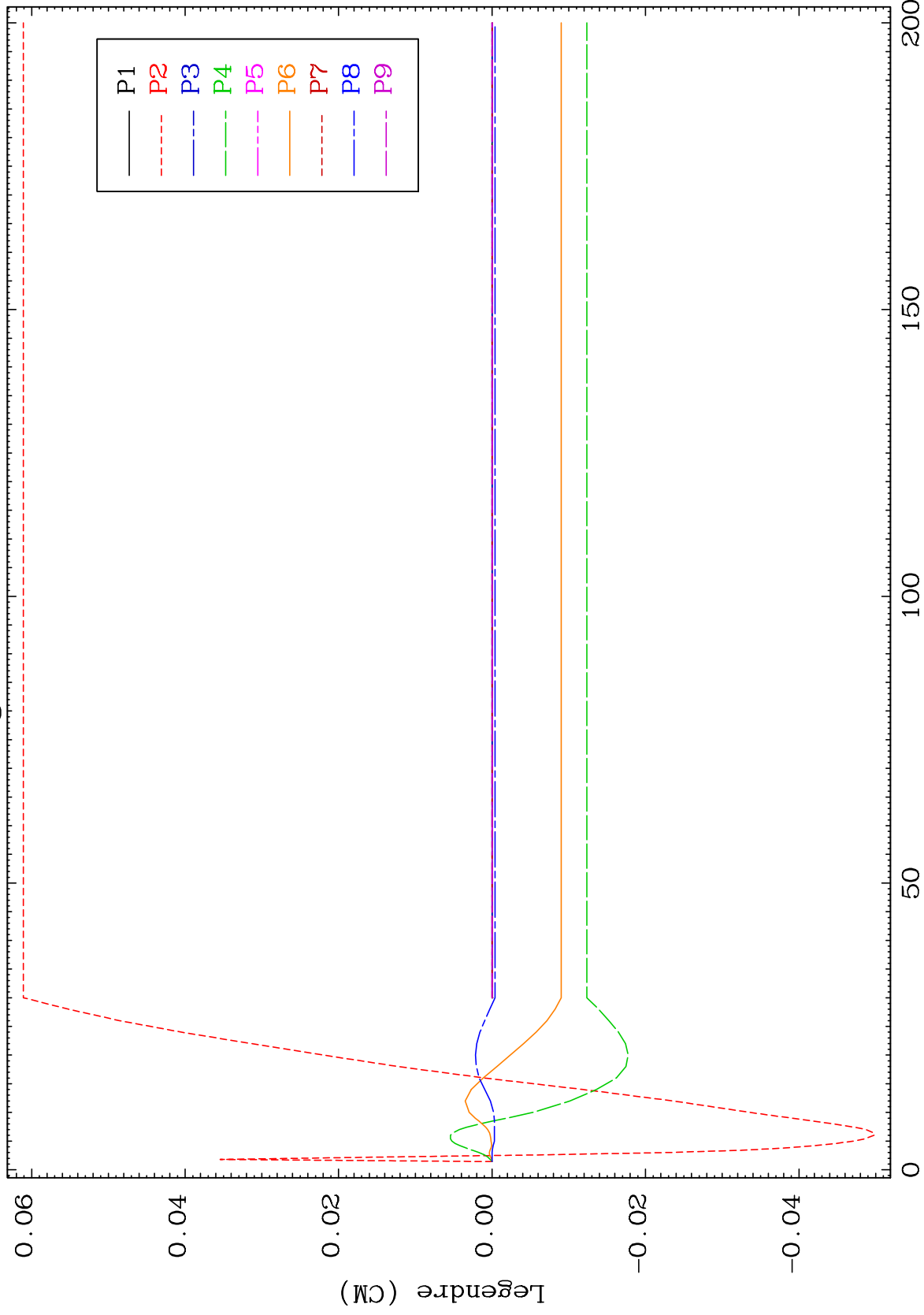
Incident Energy (MeV)

81-Tl-201

MAT 81119

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

81-T1-201



66

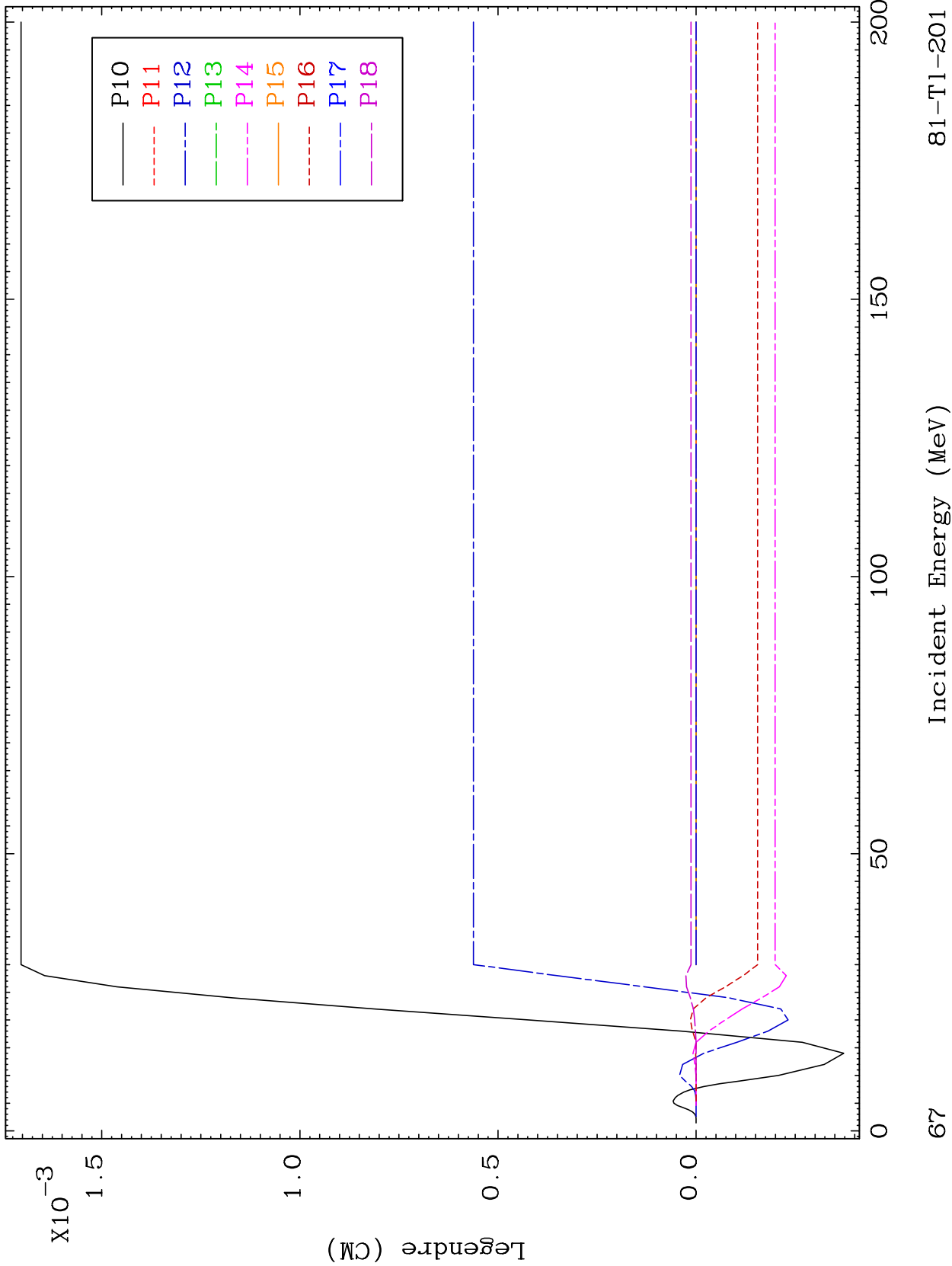
Incident Energy (MeV)

81-T1-201

MAT 81119

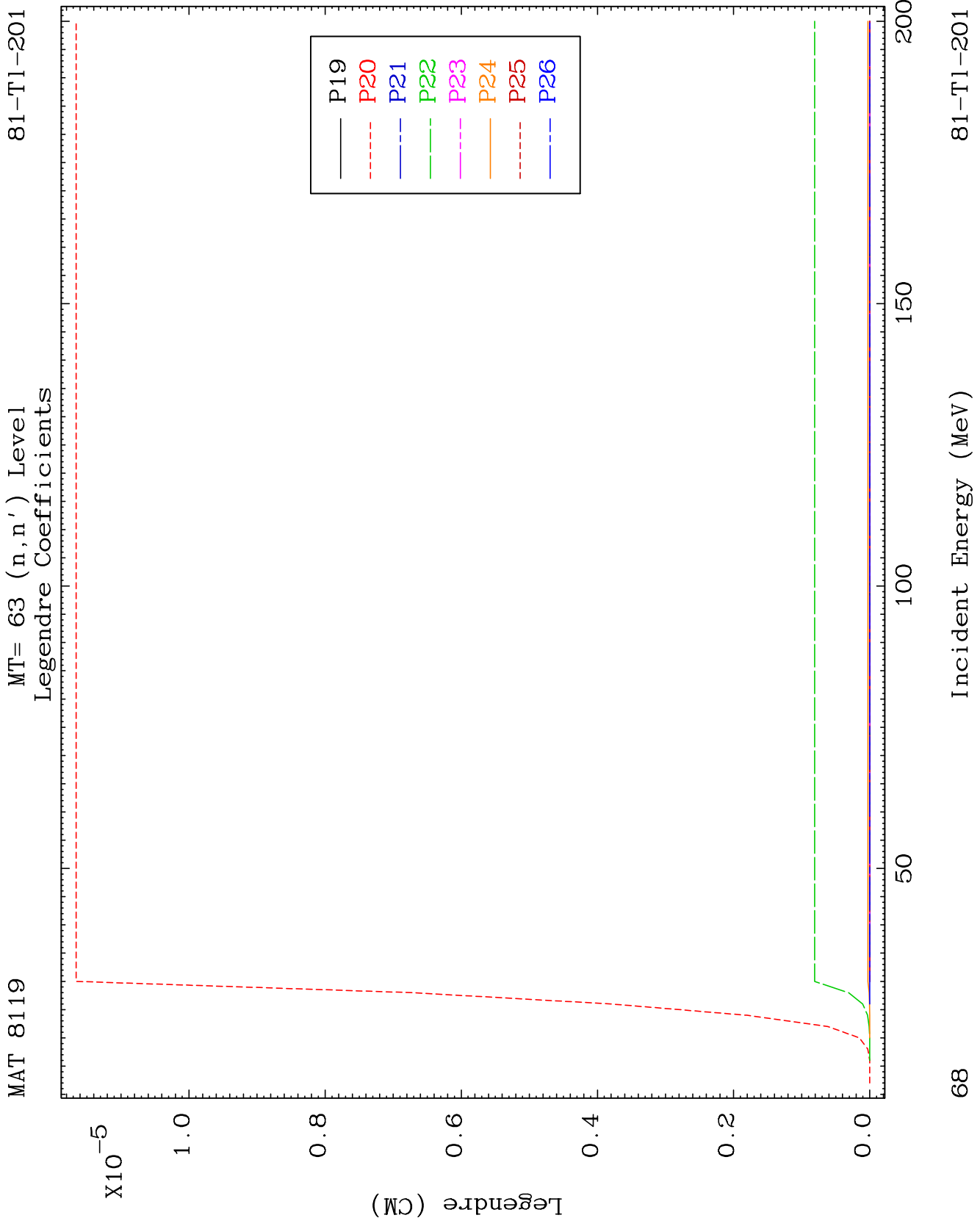
MT= 63 (n,n') Level  
Legendre Coefficients

81-Tl-201



67

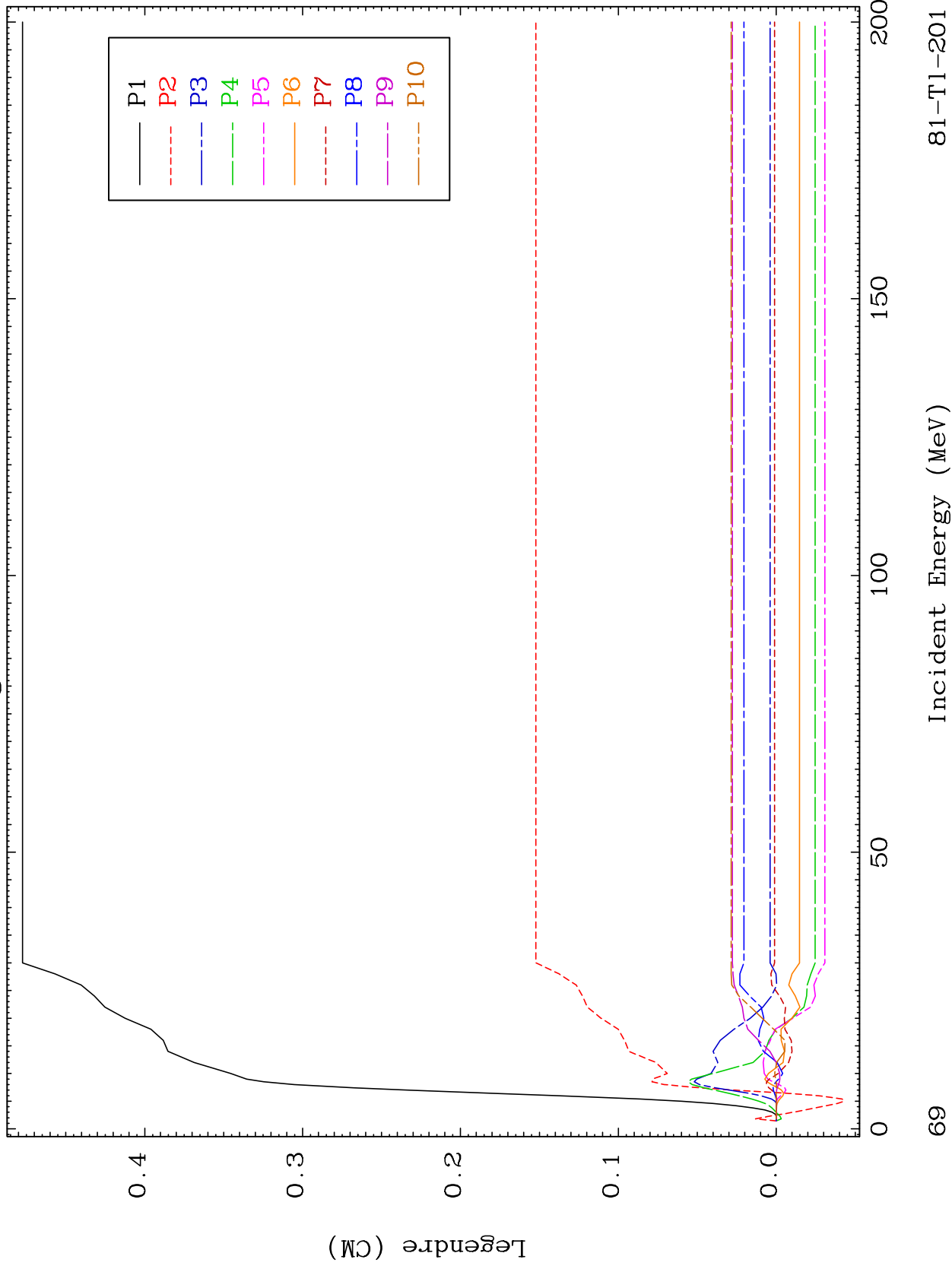
81-Tl-201



MAT 81119

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

81-T1-201



81-T1-201

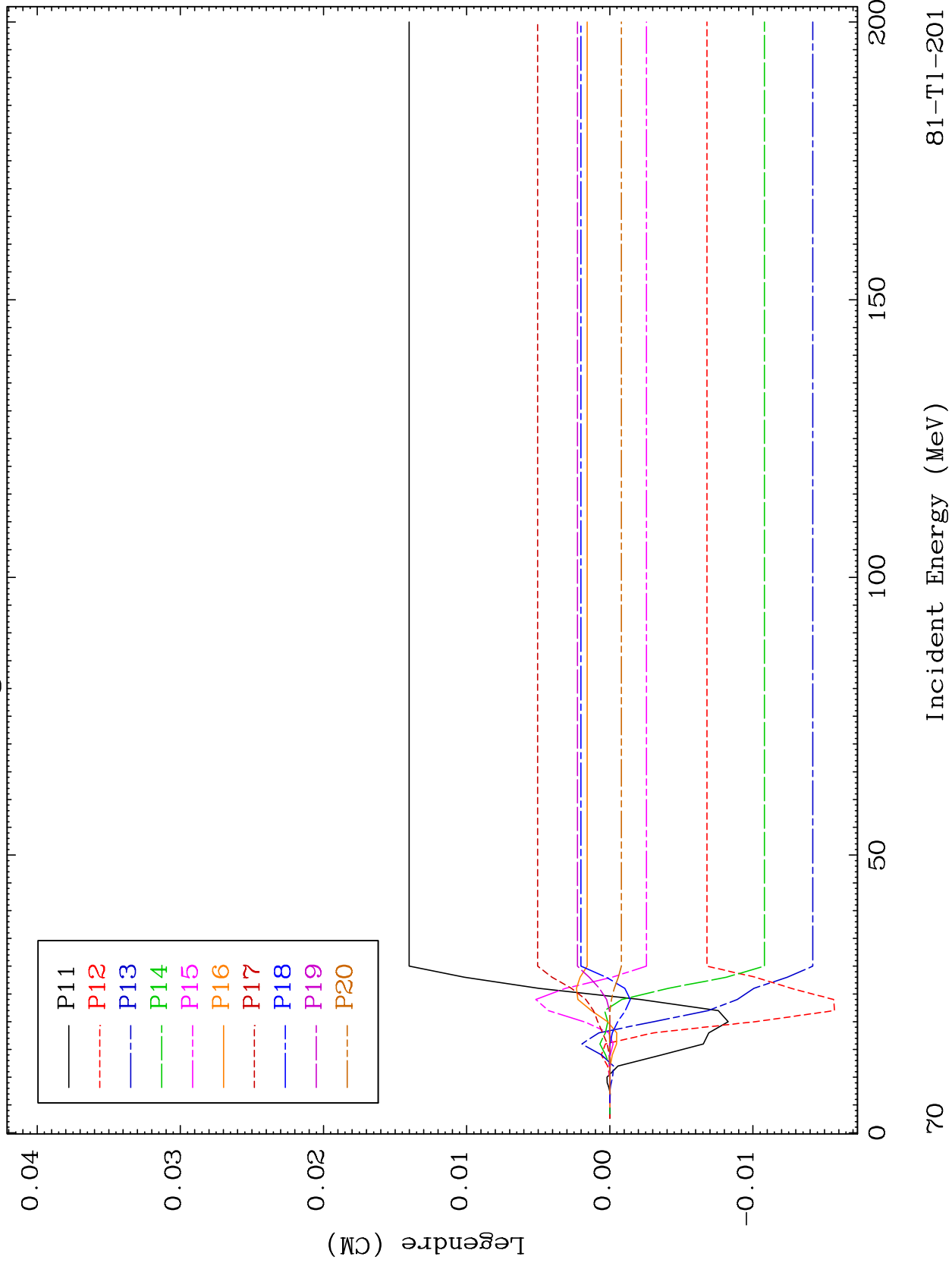
Incident Energy (MeV)

69

MAT 8119

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

81-T1-201



81-T1-201

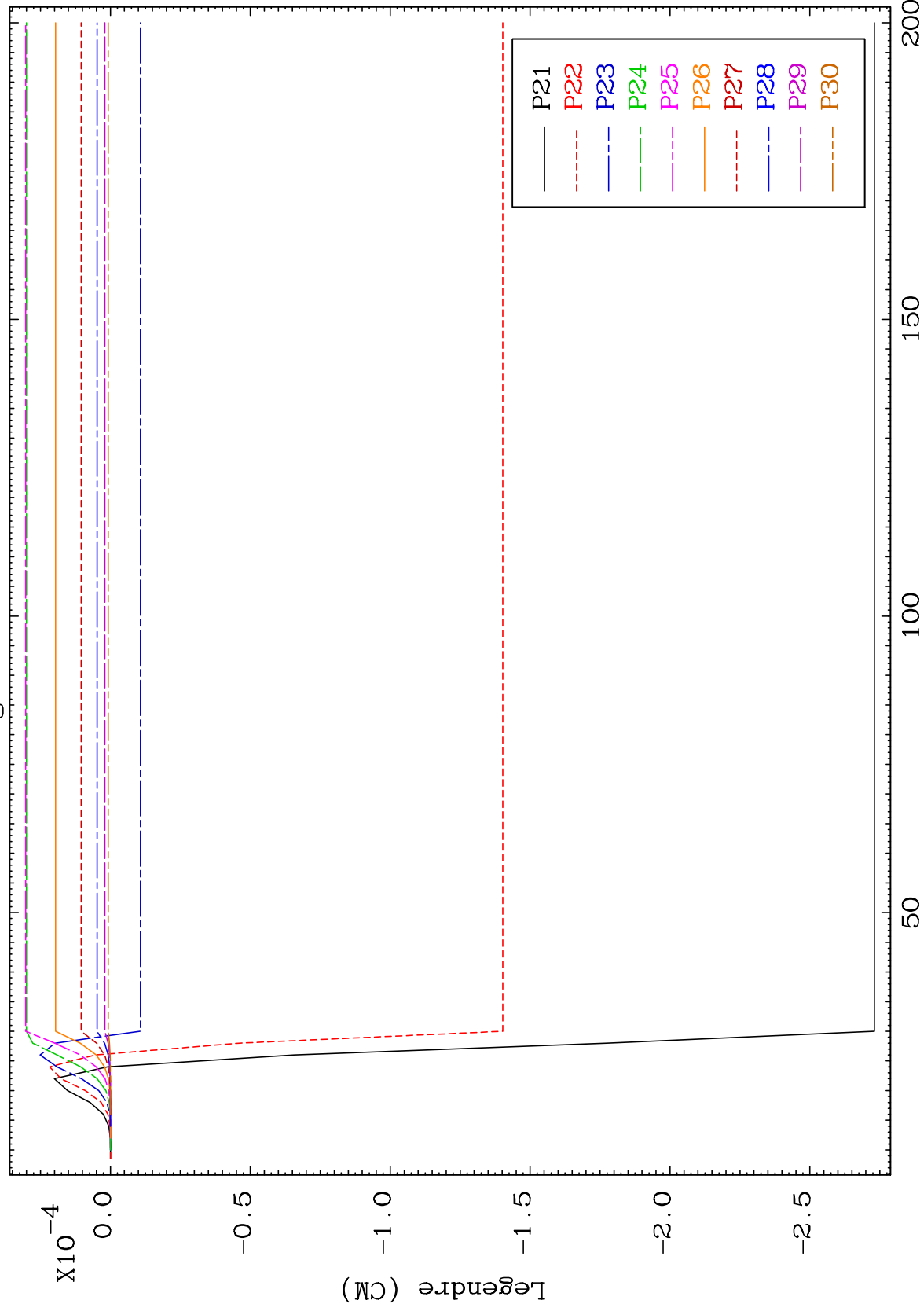
Incident Energy (MeV)

70

MAT 8119

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

81-Tl-201



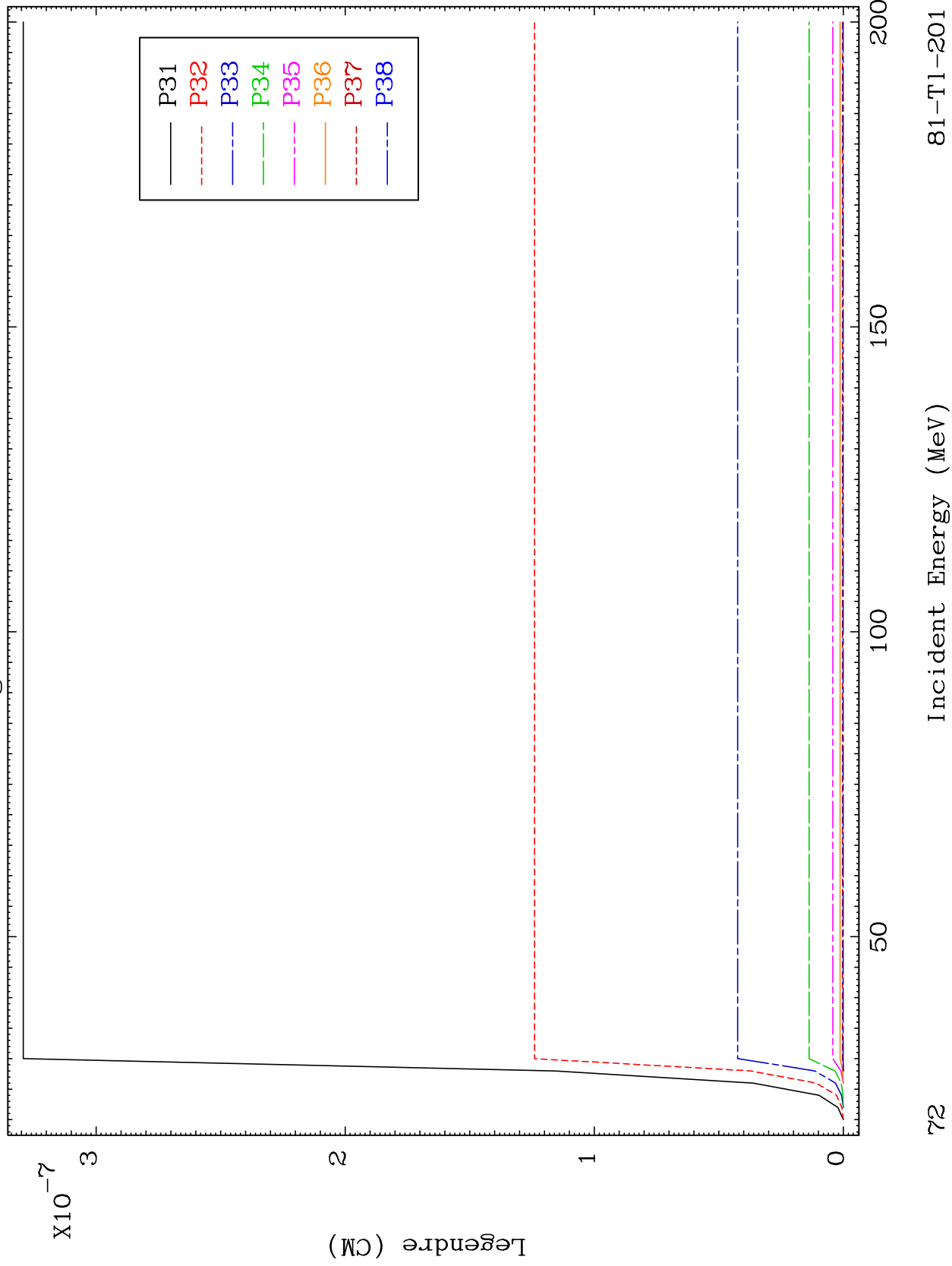
71

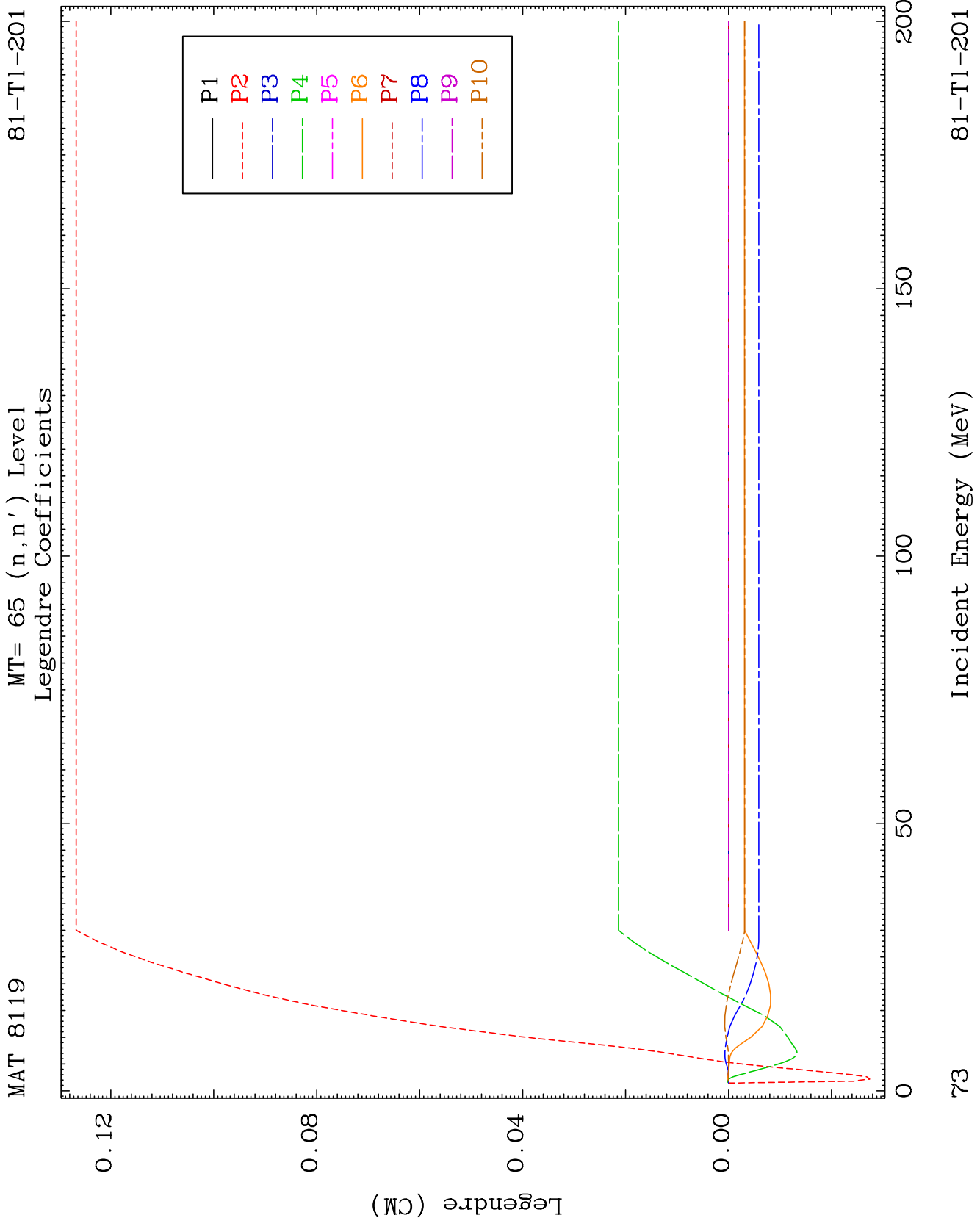
81-Tl-201

MAT 81119

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

81-Tl-201

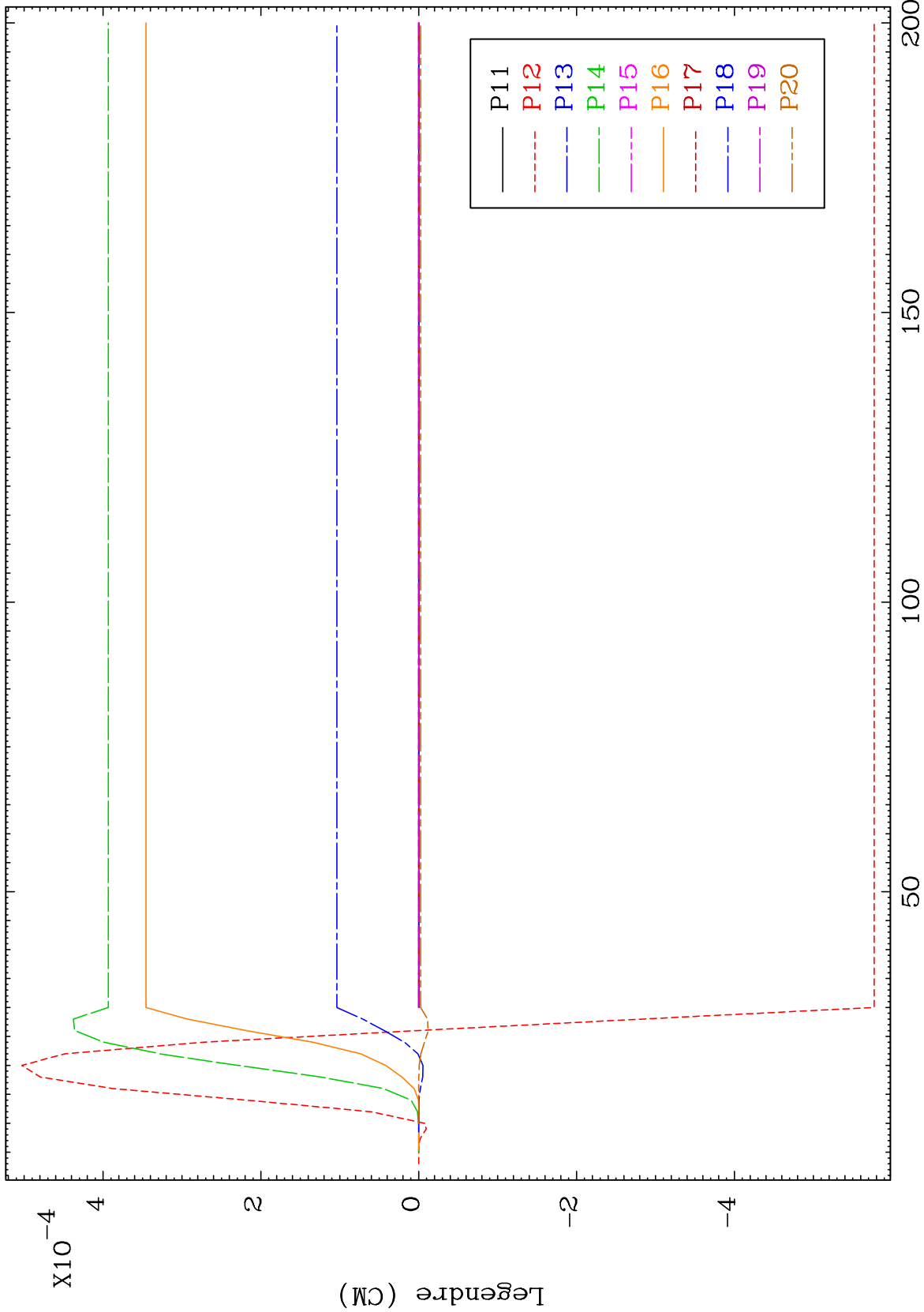




MAT 8119

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

81-Tl-201



74

Incident Energy (MeV)

81-Tl-201

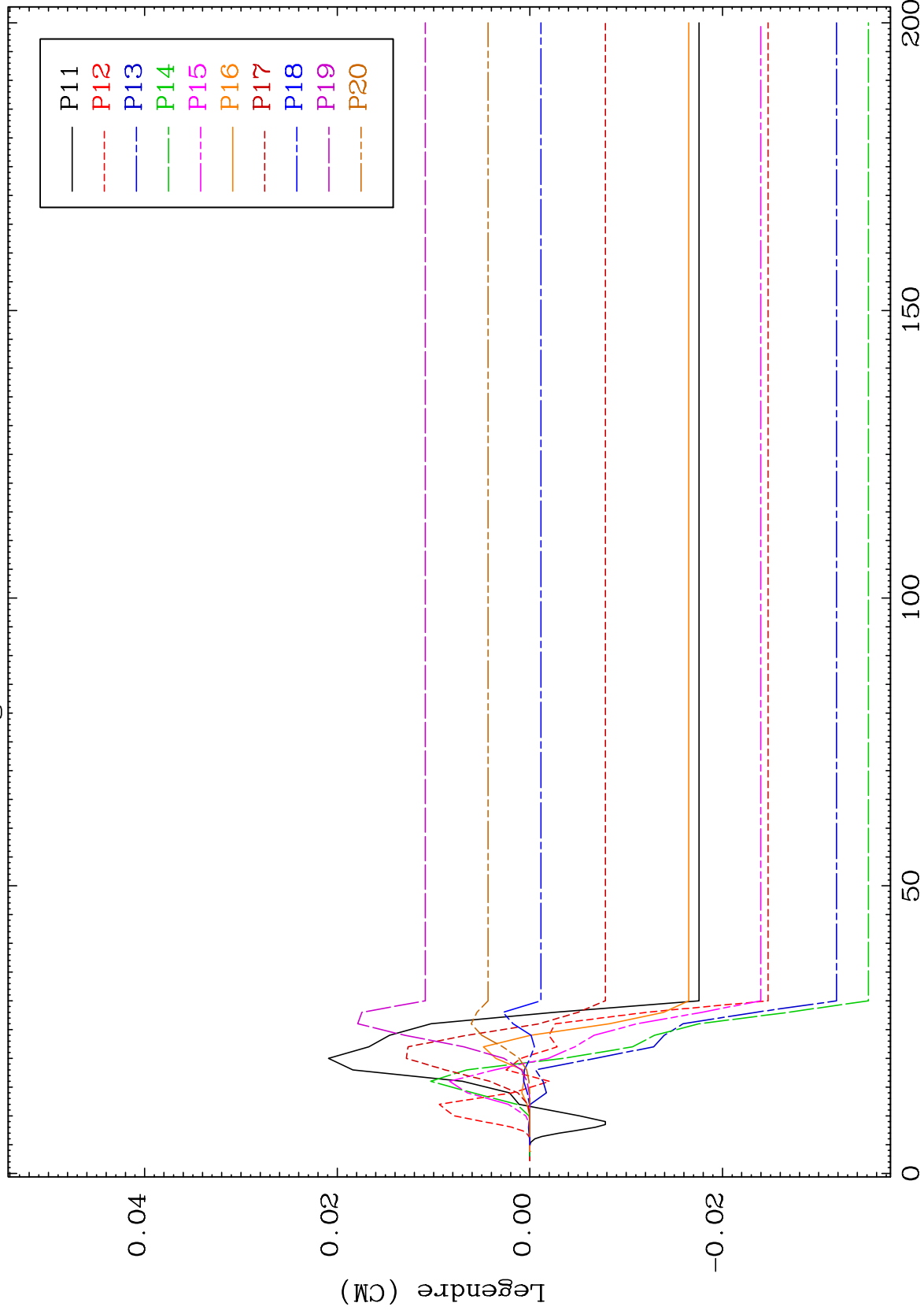




MAT 81119

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

81-T1-201



77

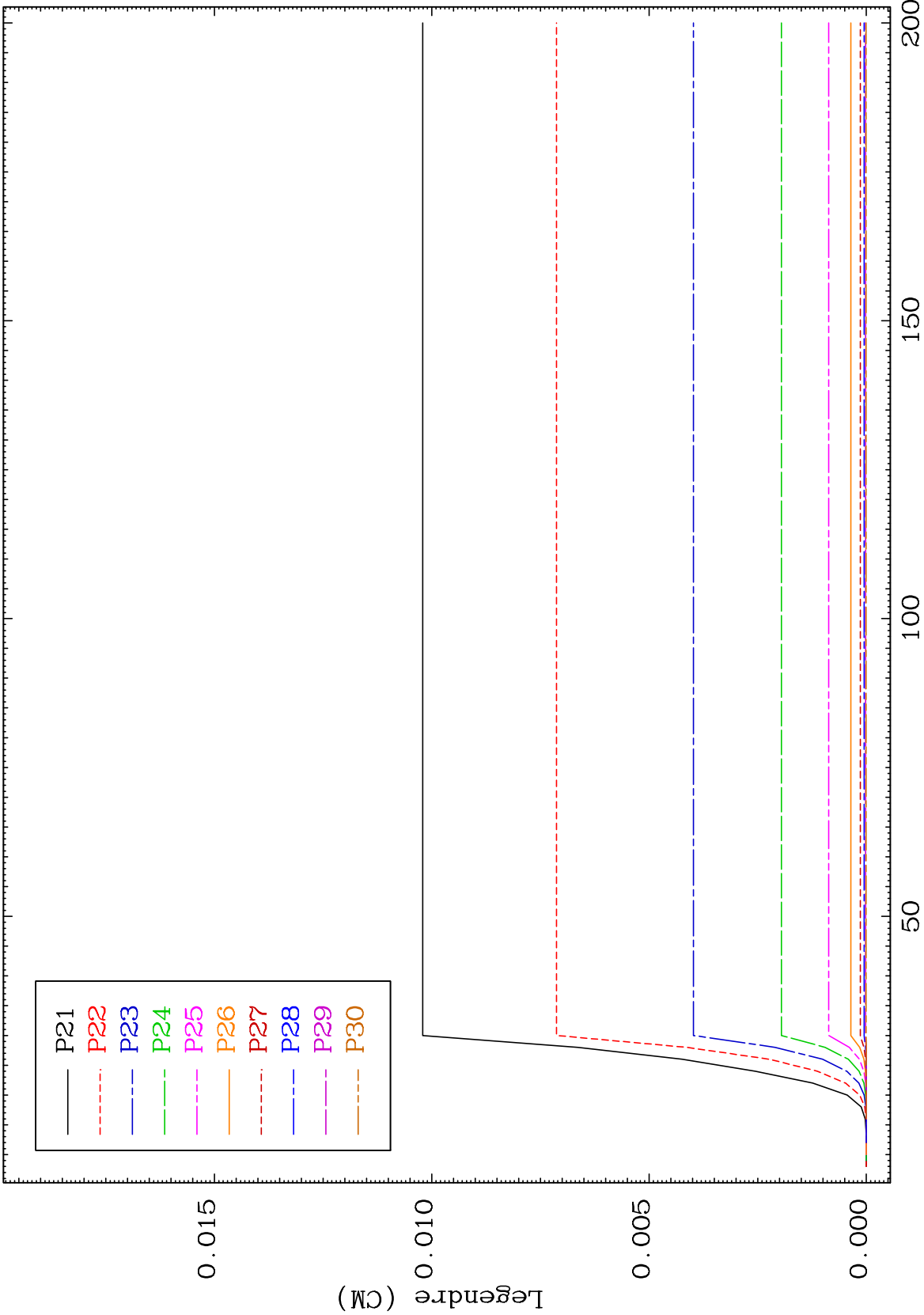
Incident Energy (MeV)

81-T1-201

MAT 8119

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

81-Tl-201



78

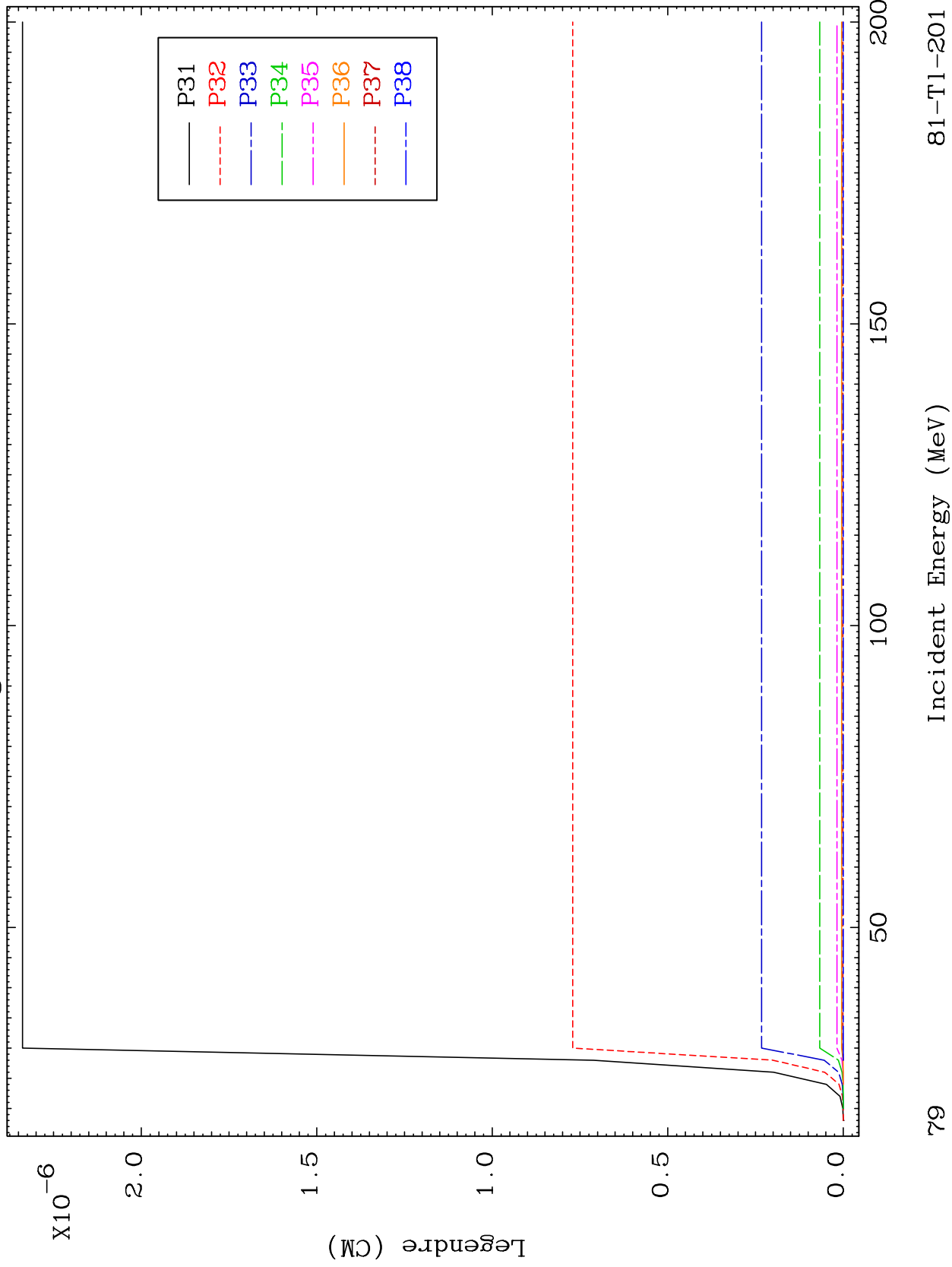
Incident Energy (MeV)

81-Tl-201

MAT 81119

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

81-Tl-201



79

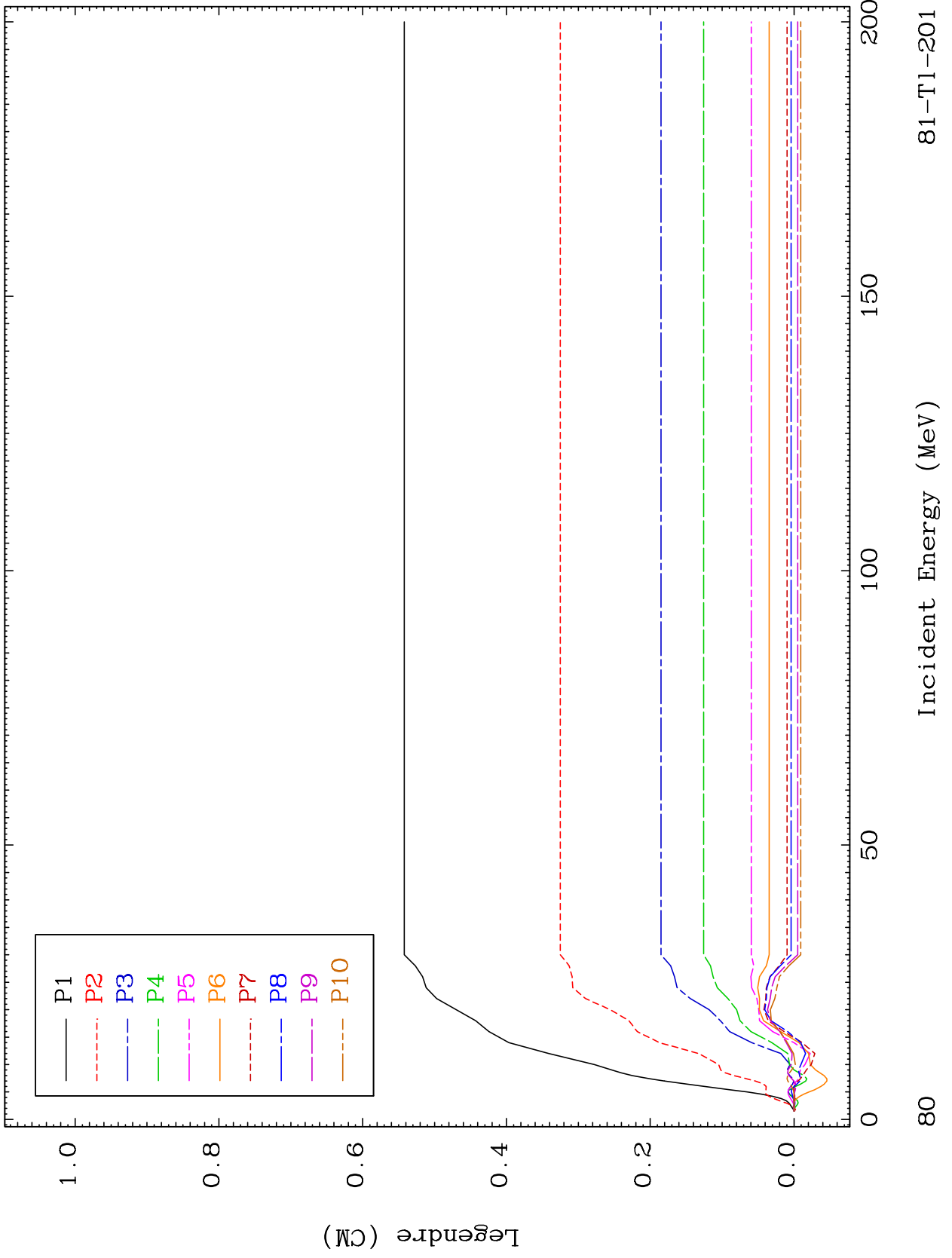
81-Tl-201

81-Tl-201

MAT 81119

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

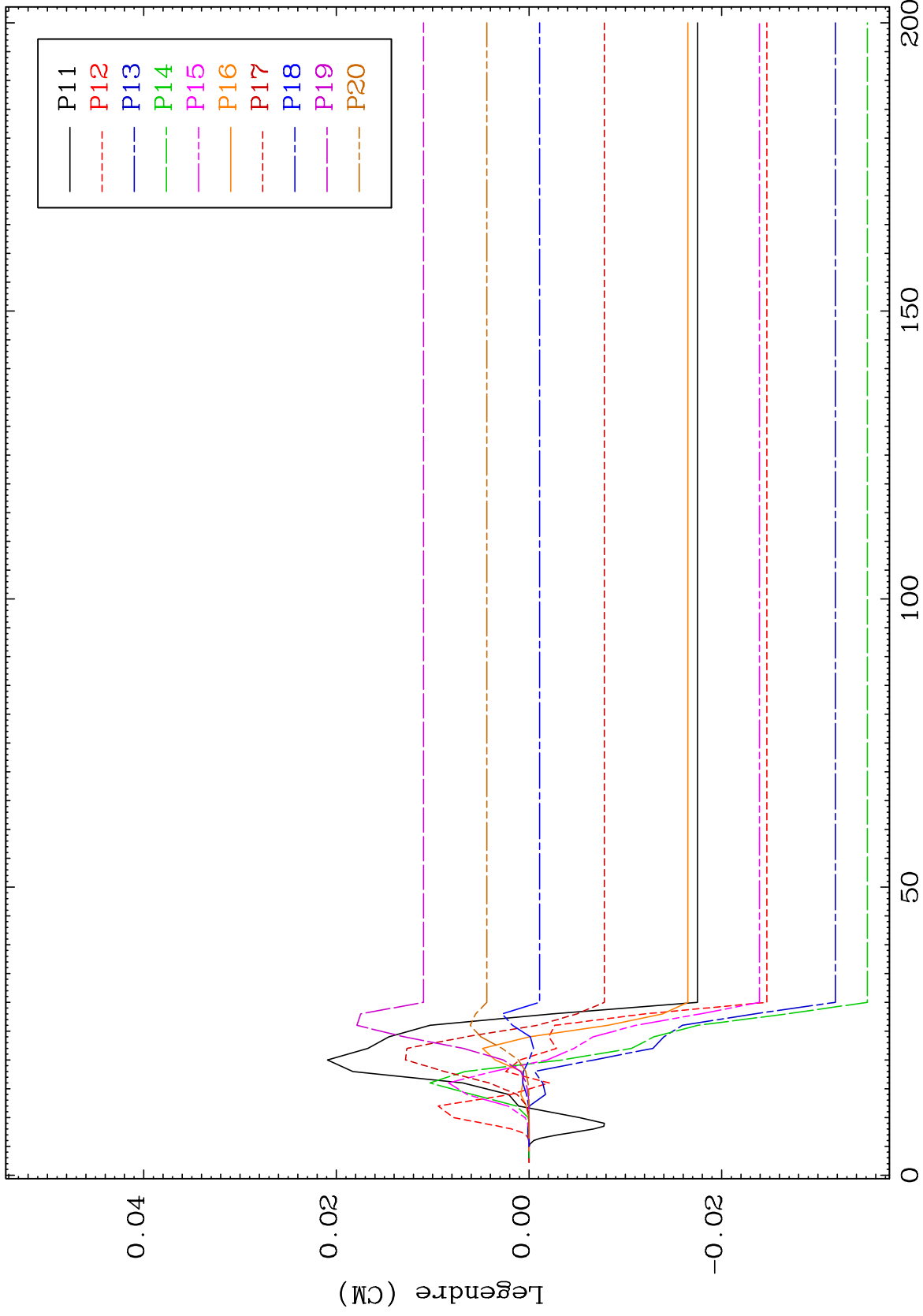
81-T1-201



MAT 81119

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

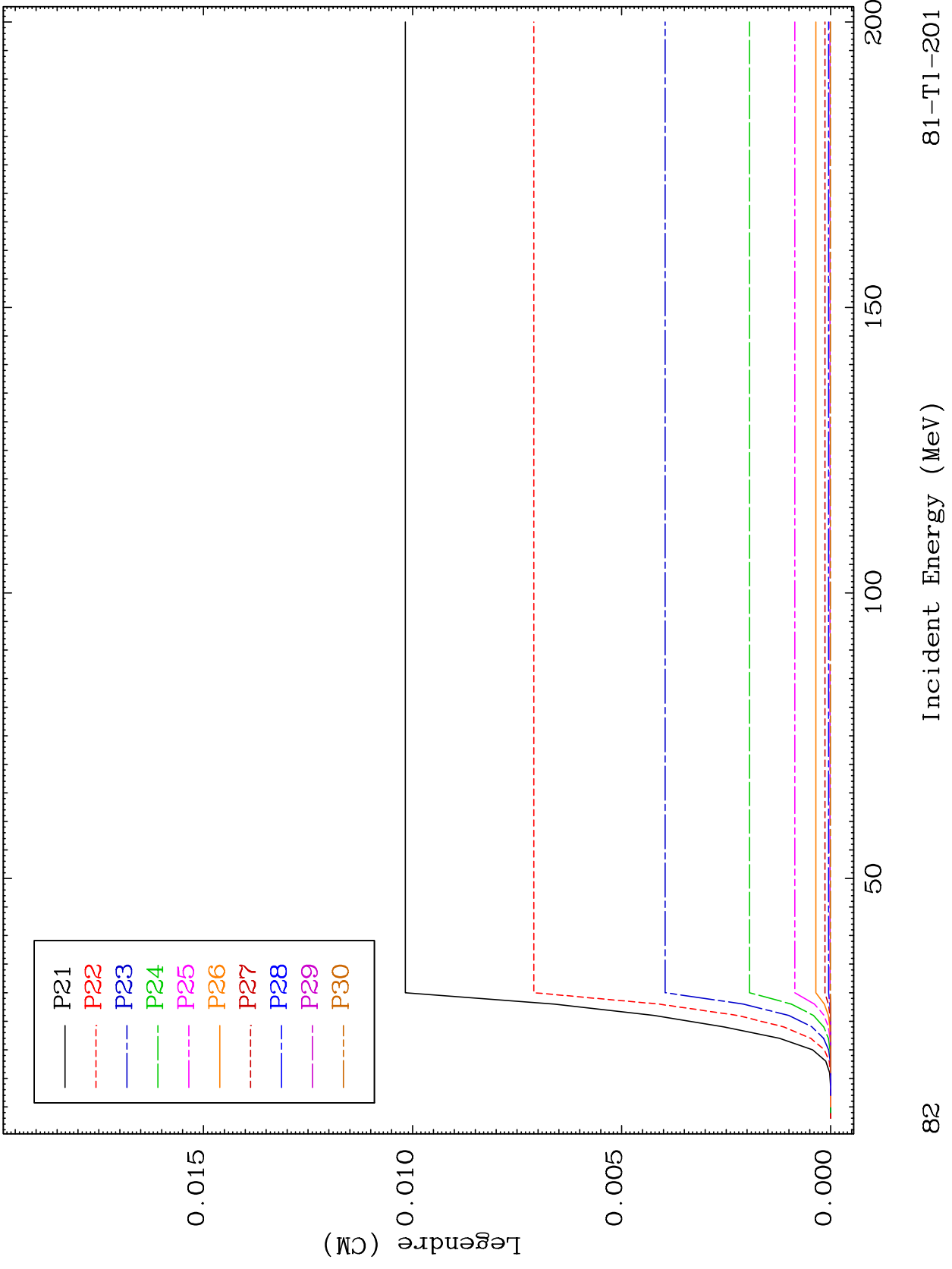
81-T1-201



81

Incident Energy (MeV)

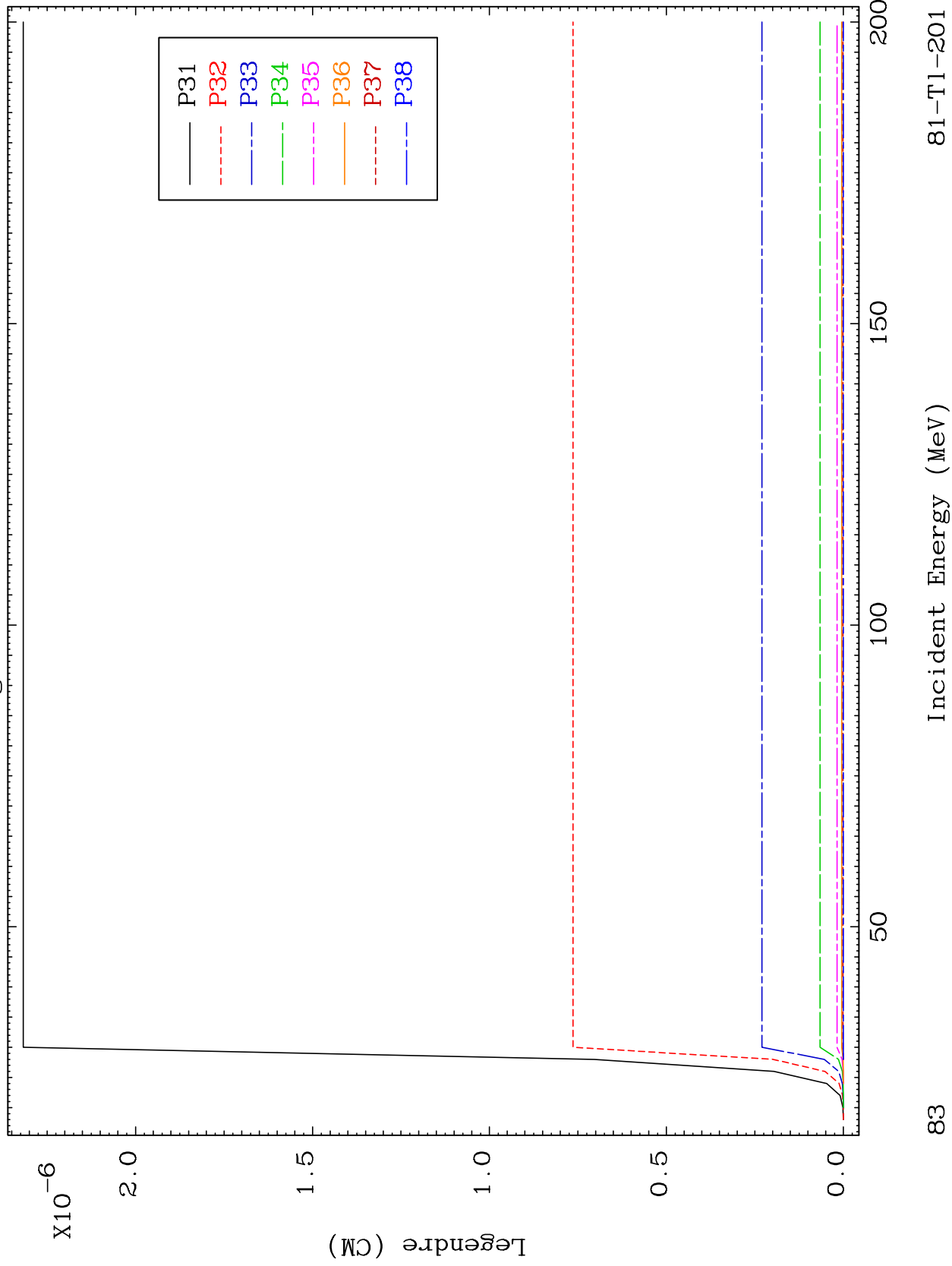
81-T1-201



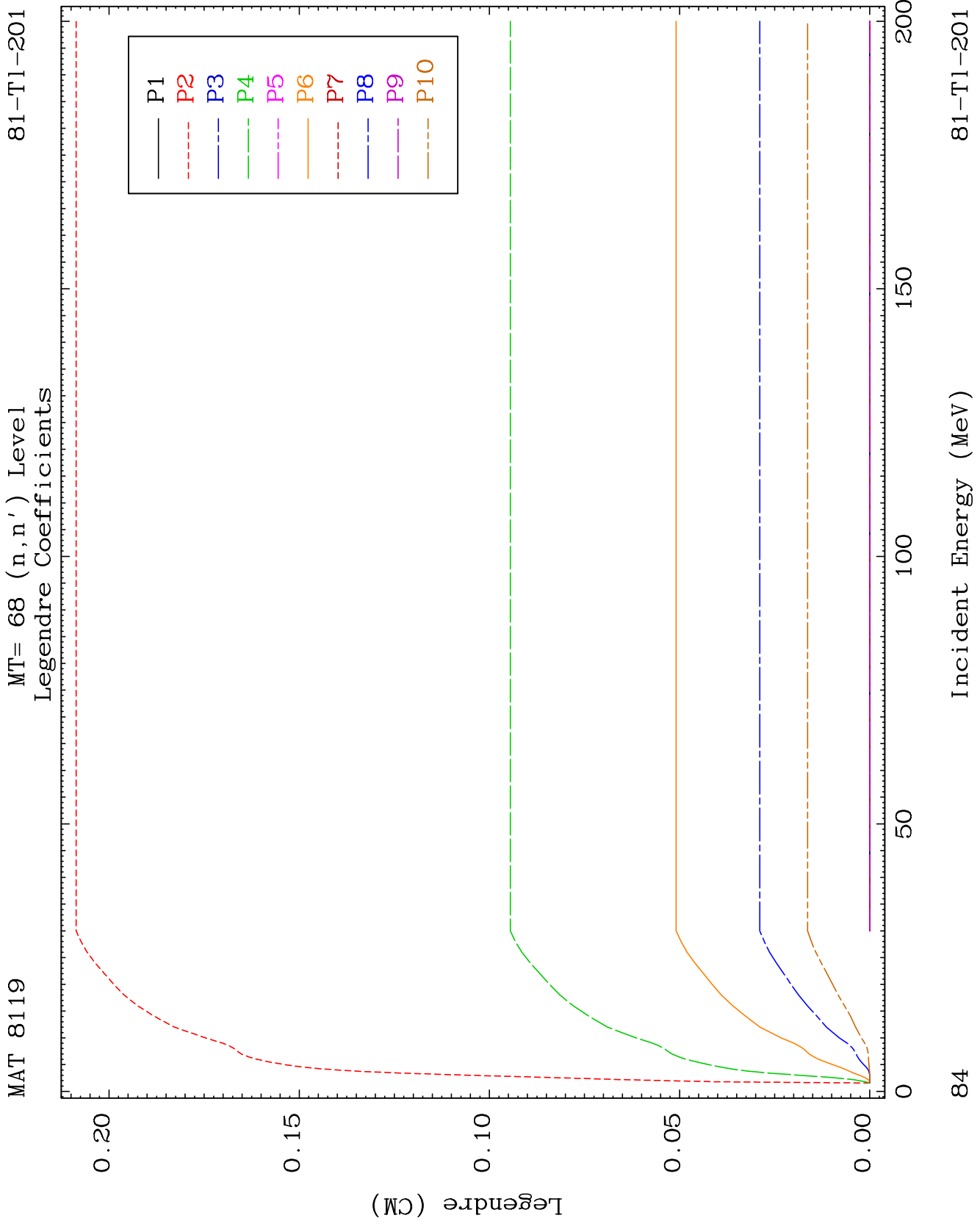
MAT 81119

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

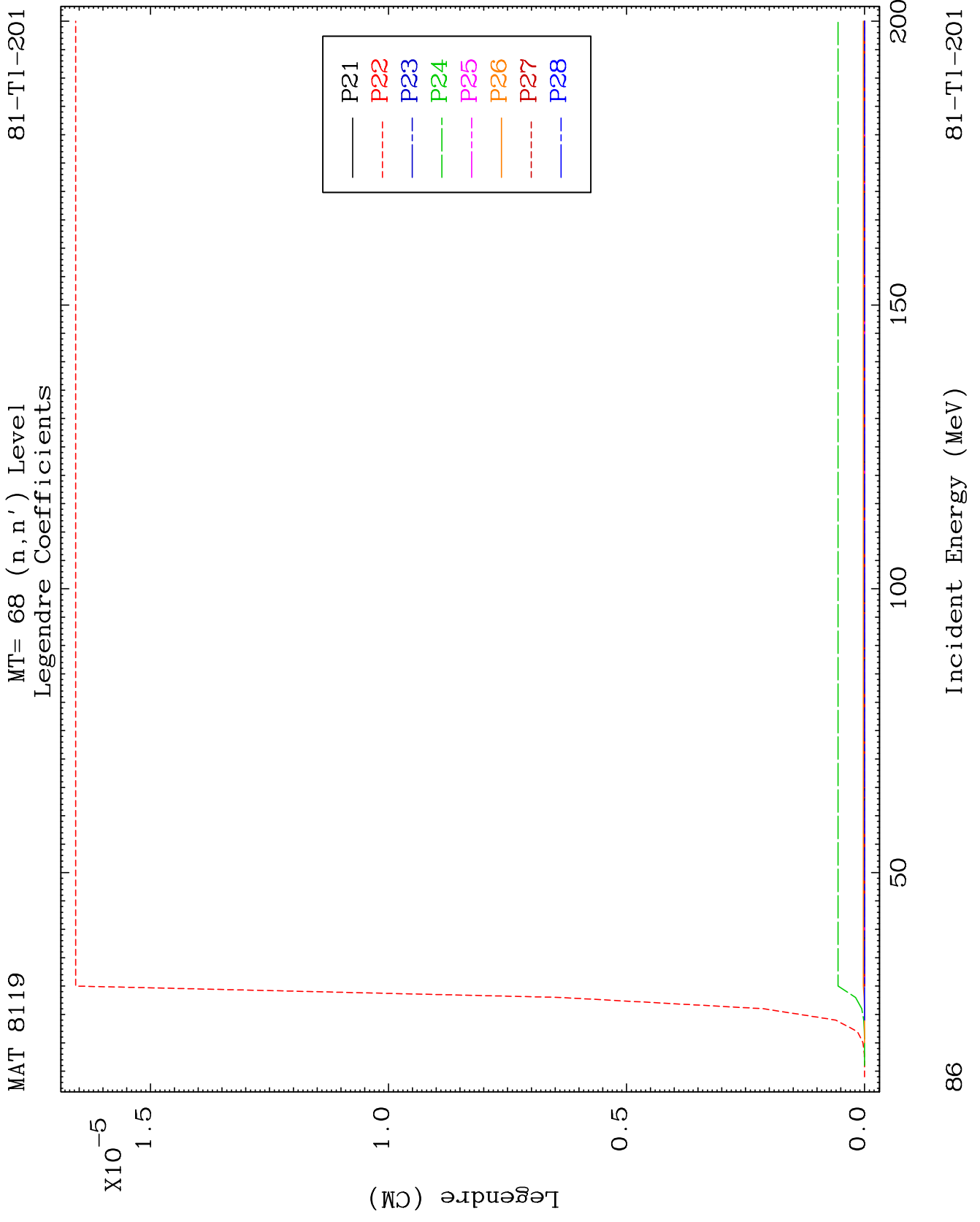
81-Tl-201



83



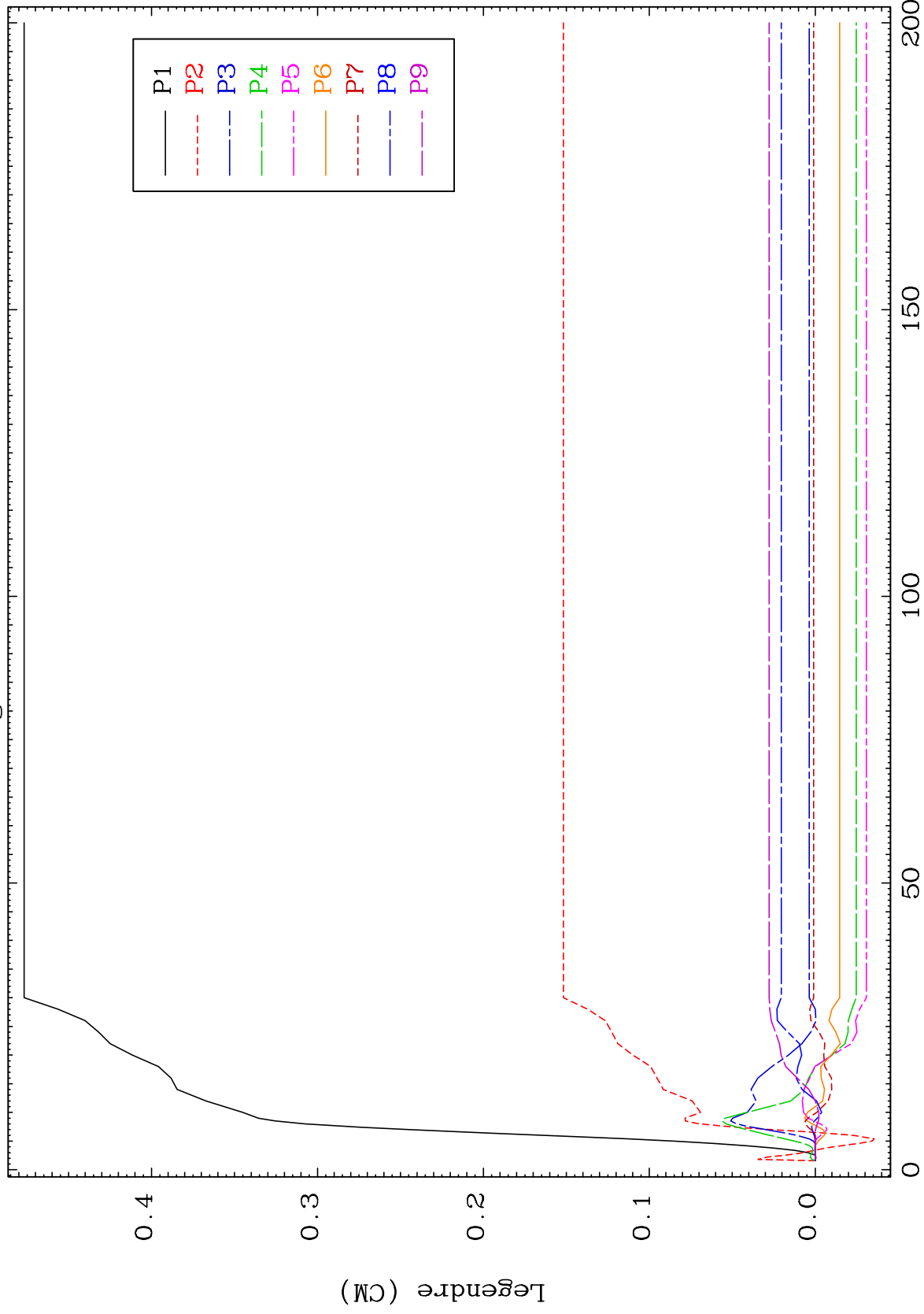




MAT 81119

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

81-T1-201



87

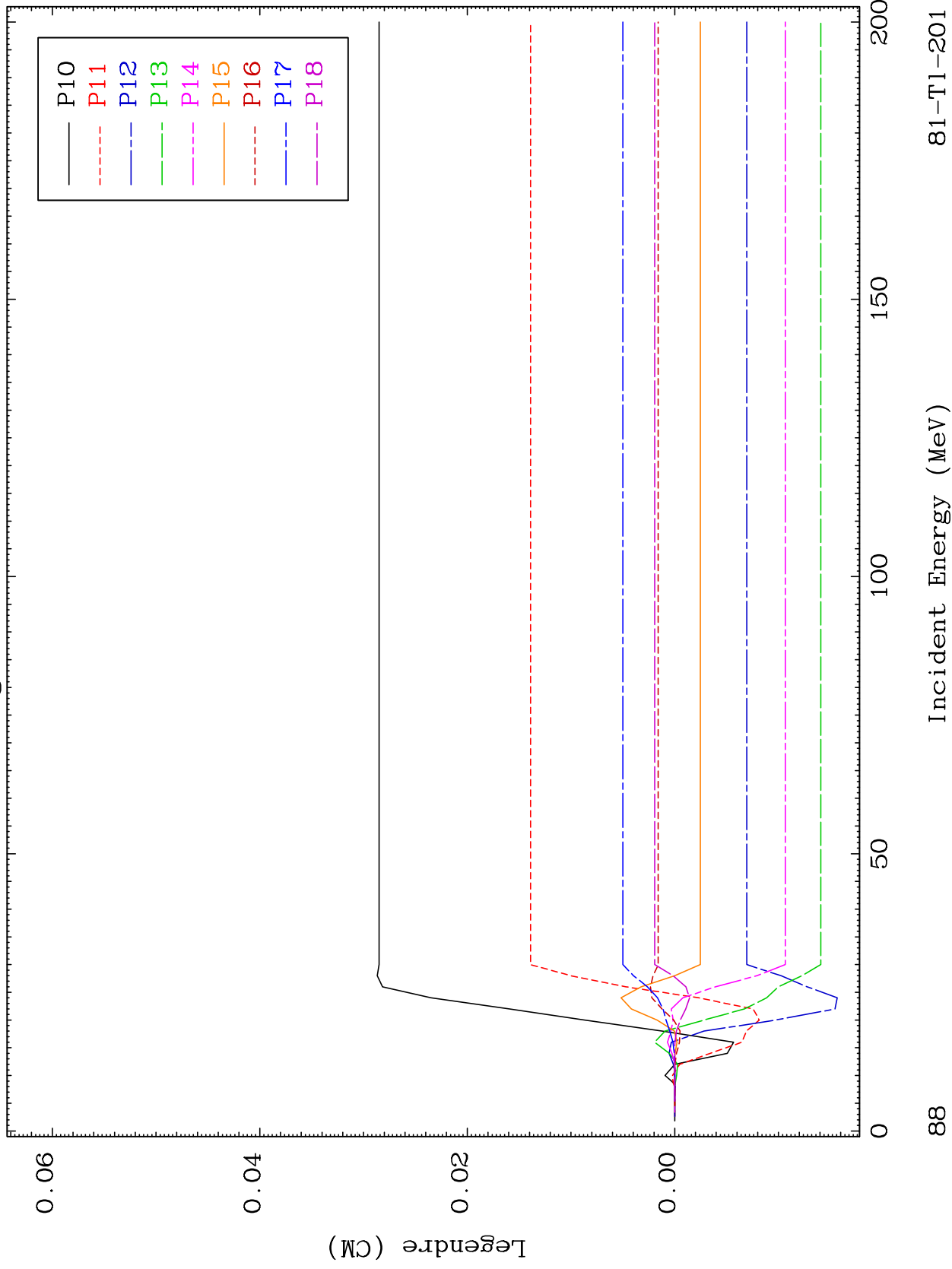
Incident Energy (MeV)

81-T1-201

MAT 81119

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

81-T1-201



81-T1-201

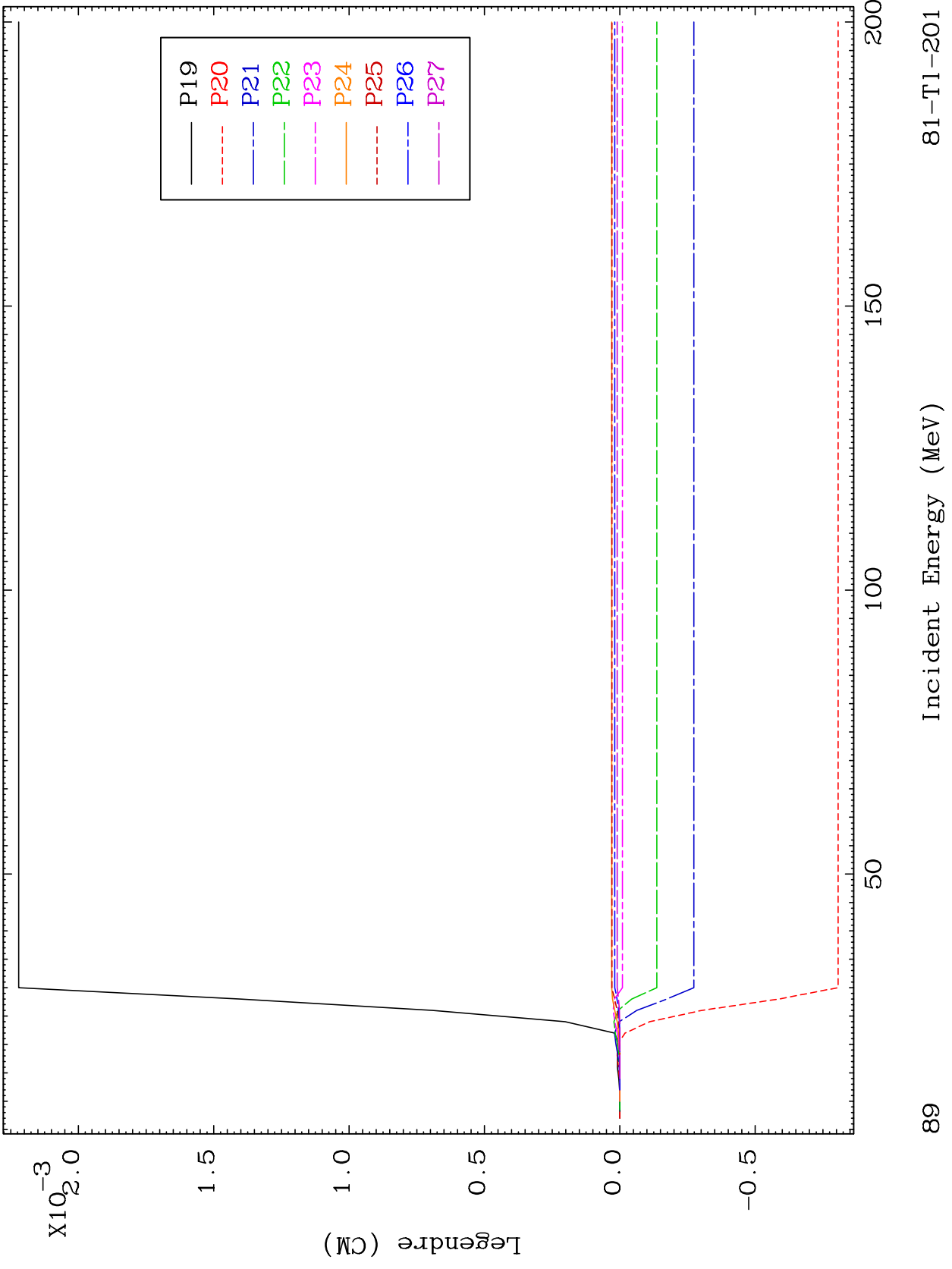
Incident Energy (MeV)

88

MAT 81119

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

81-Tl-201



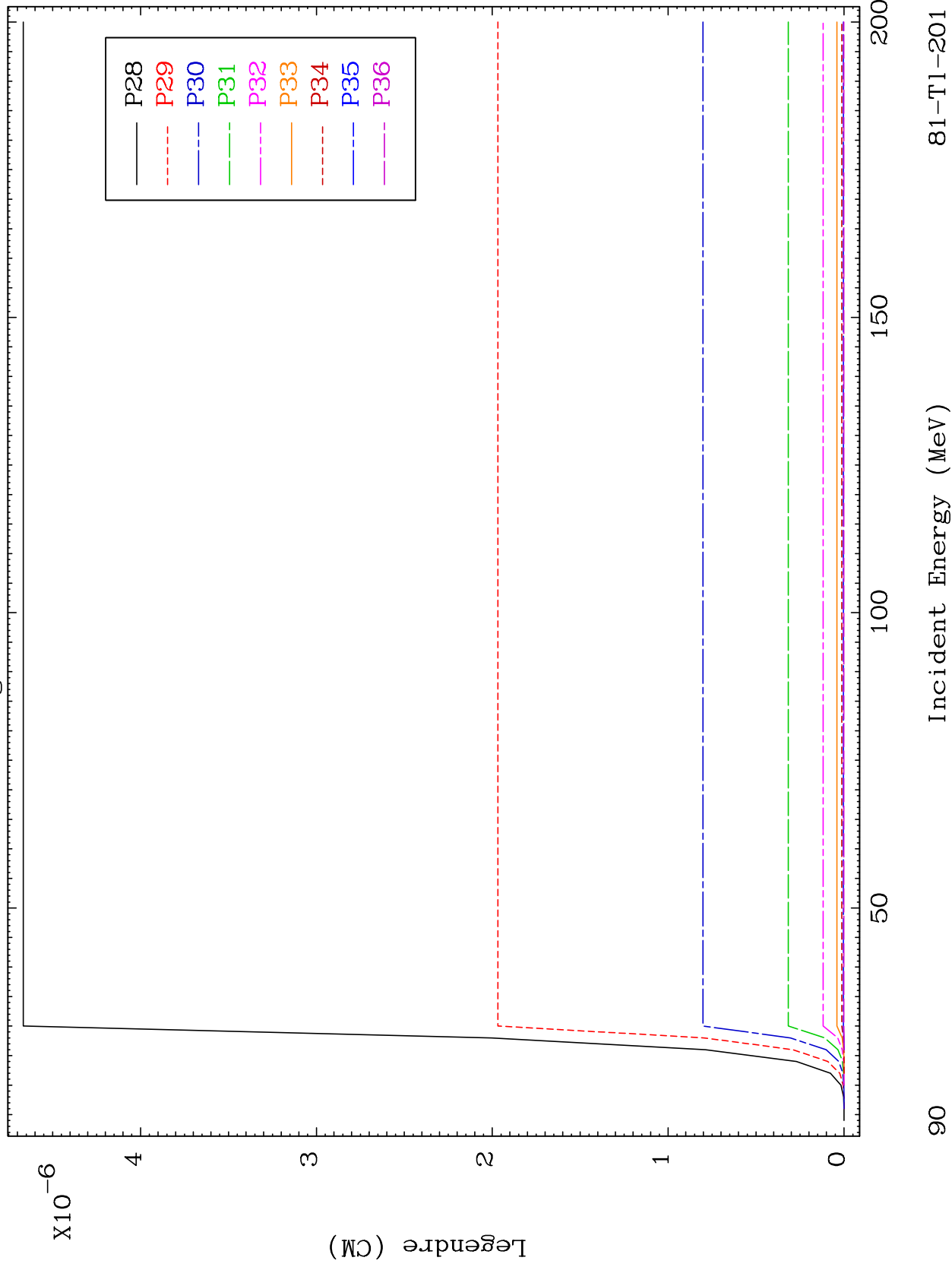
89

81-Tl-201

MAT 81119

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

81-Tl-201

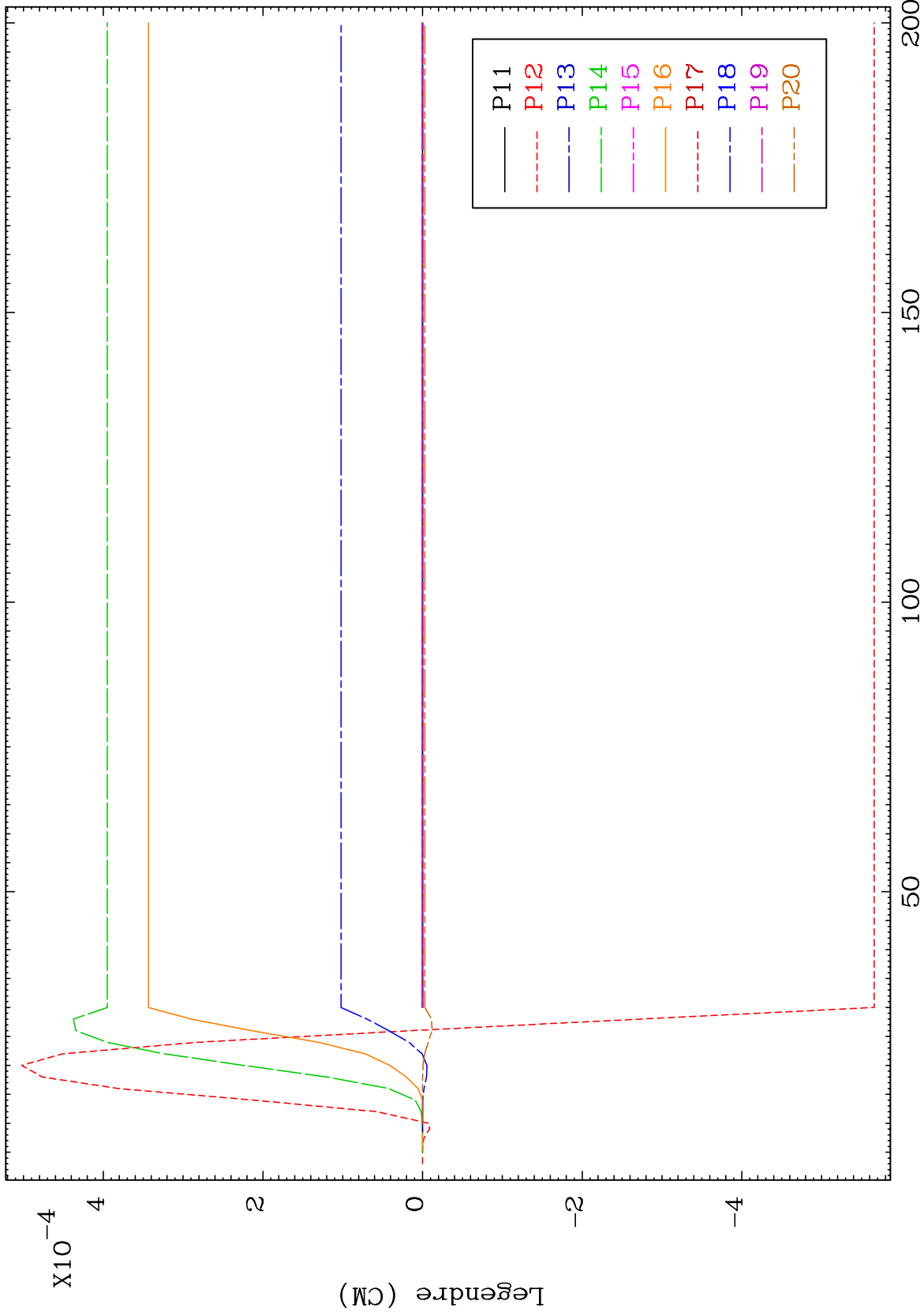




MAT 8119

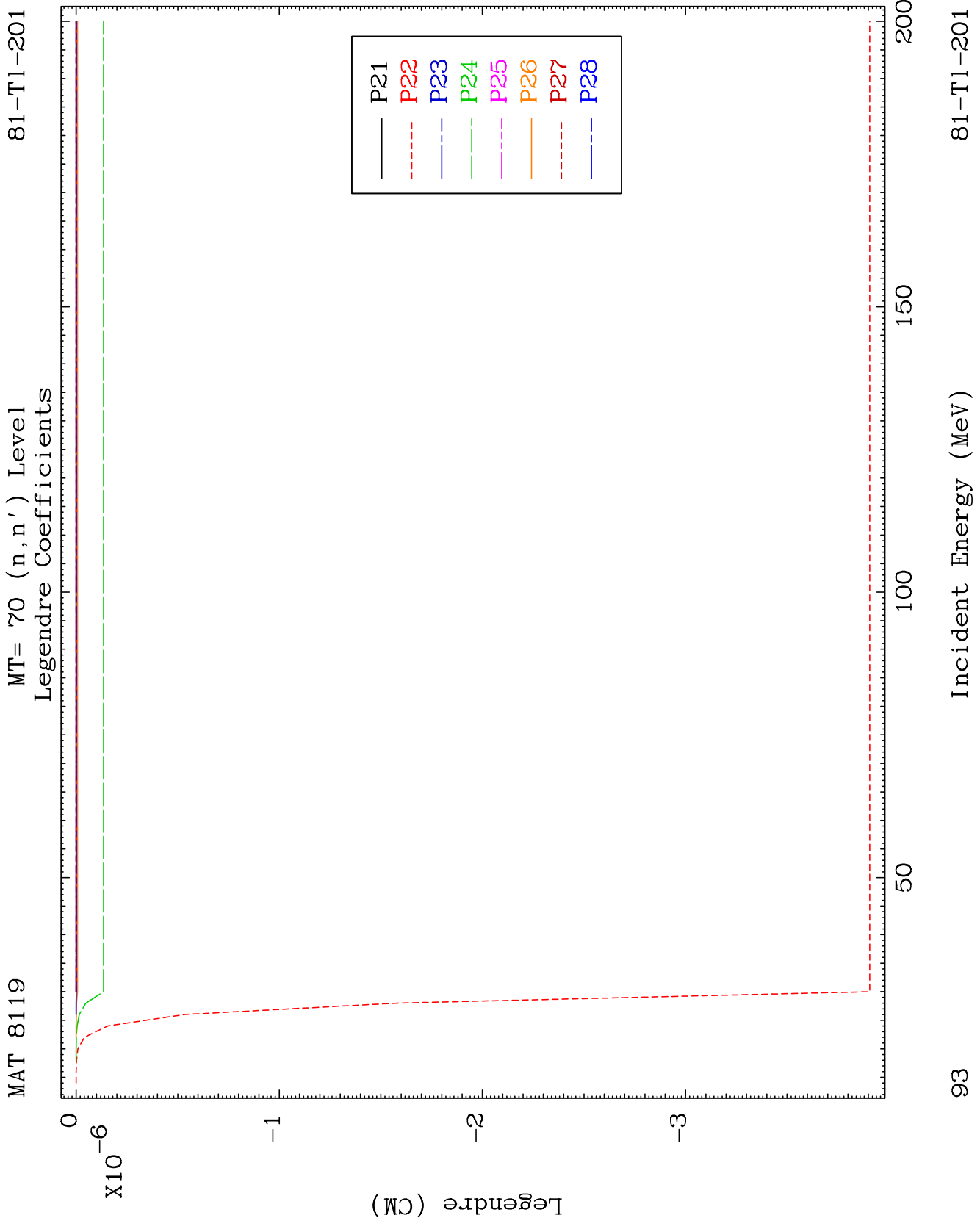
MT= 70 (n,n') Level  
Legendre Coefficients

81-T1-201



92

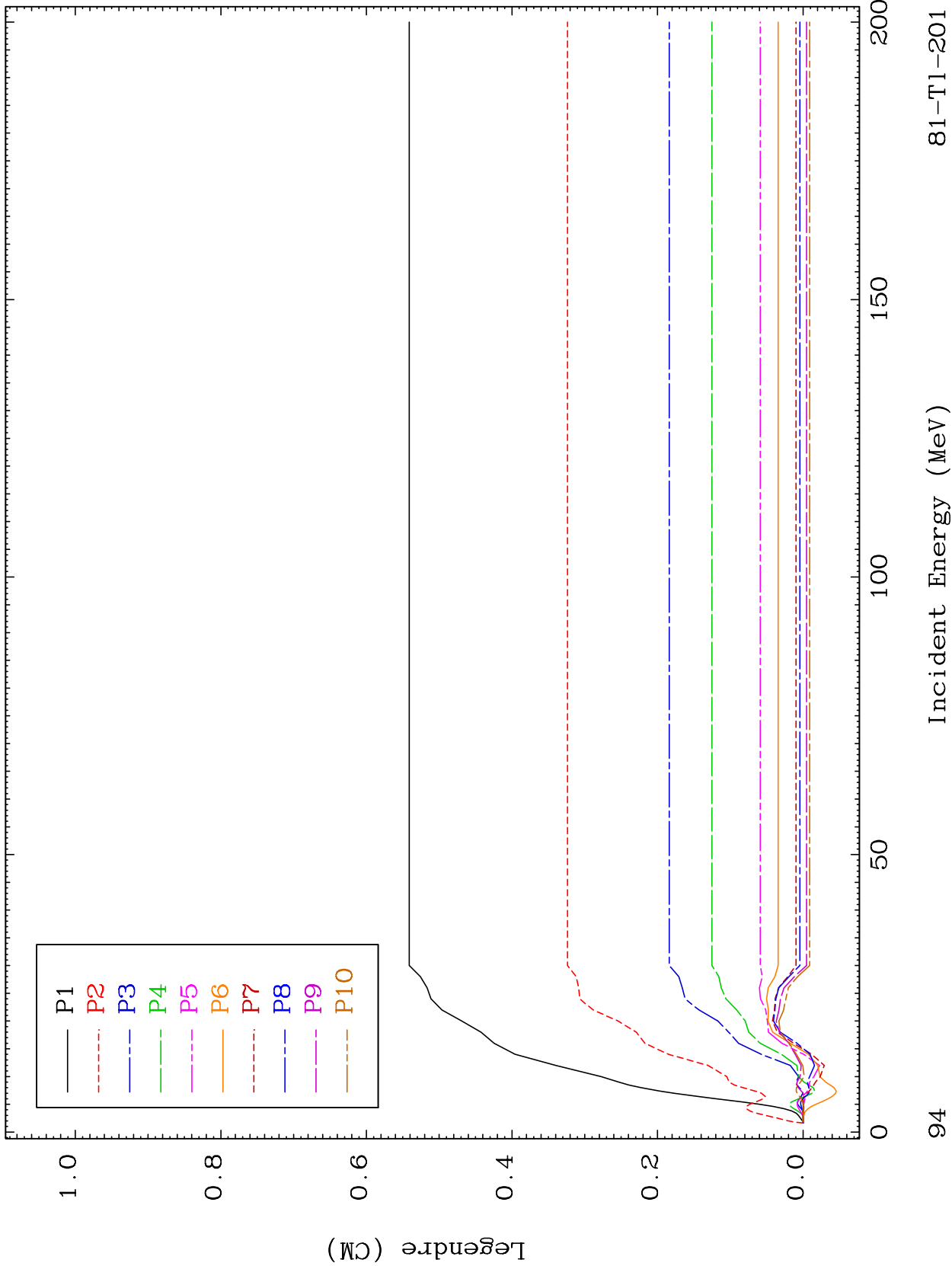
81-T1-201



MAT 81119

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

81-Tl-201

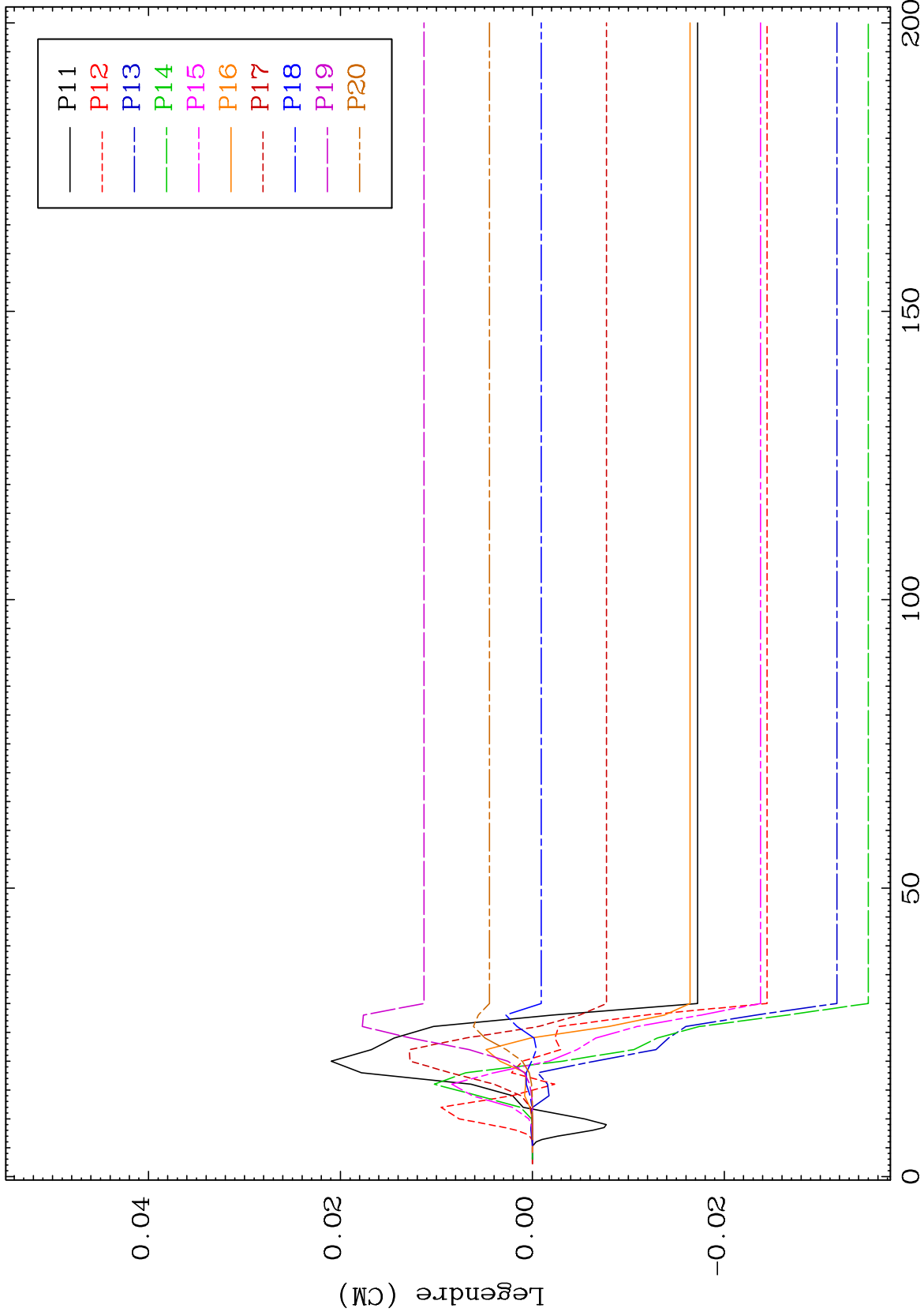


94

MAT 81119

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

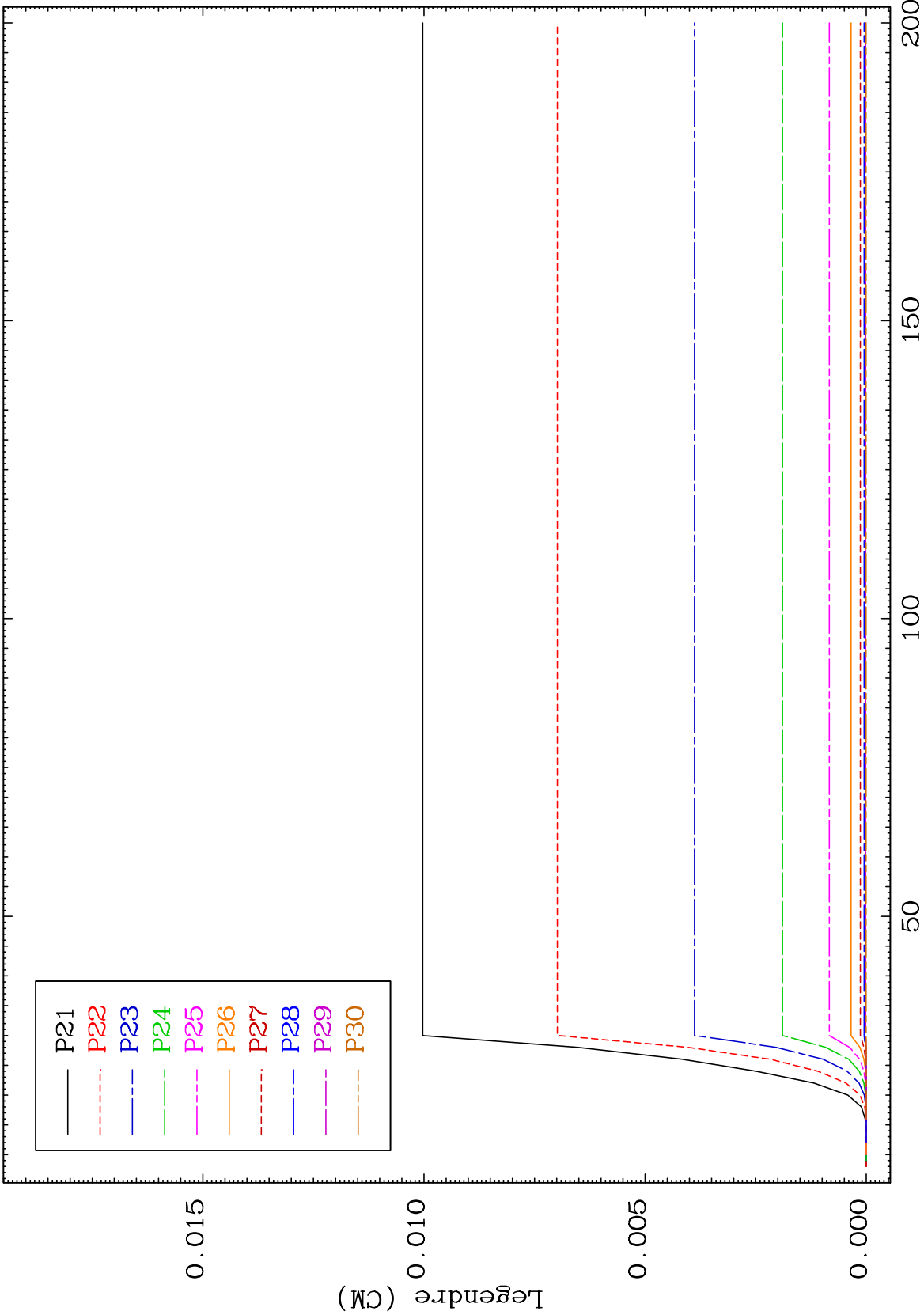
81-T1-201



95

Incident Energy (MeV)

81-T1-201



MAT 81119

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

81-T1-201

$\times 10^{-6}$   
2.0

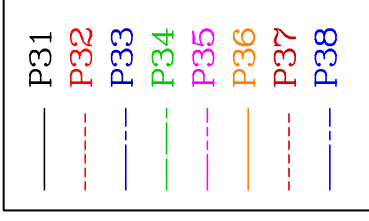
1.5

1.0

0.5

0.0

Legendre (CM)



200

150

100

50

97

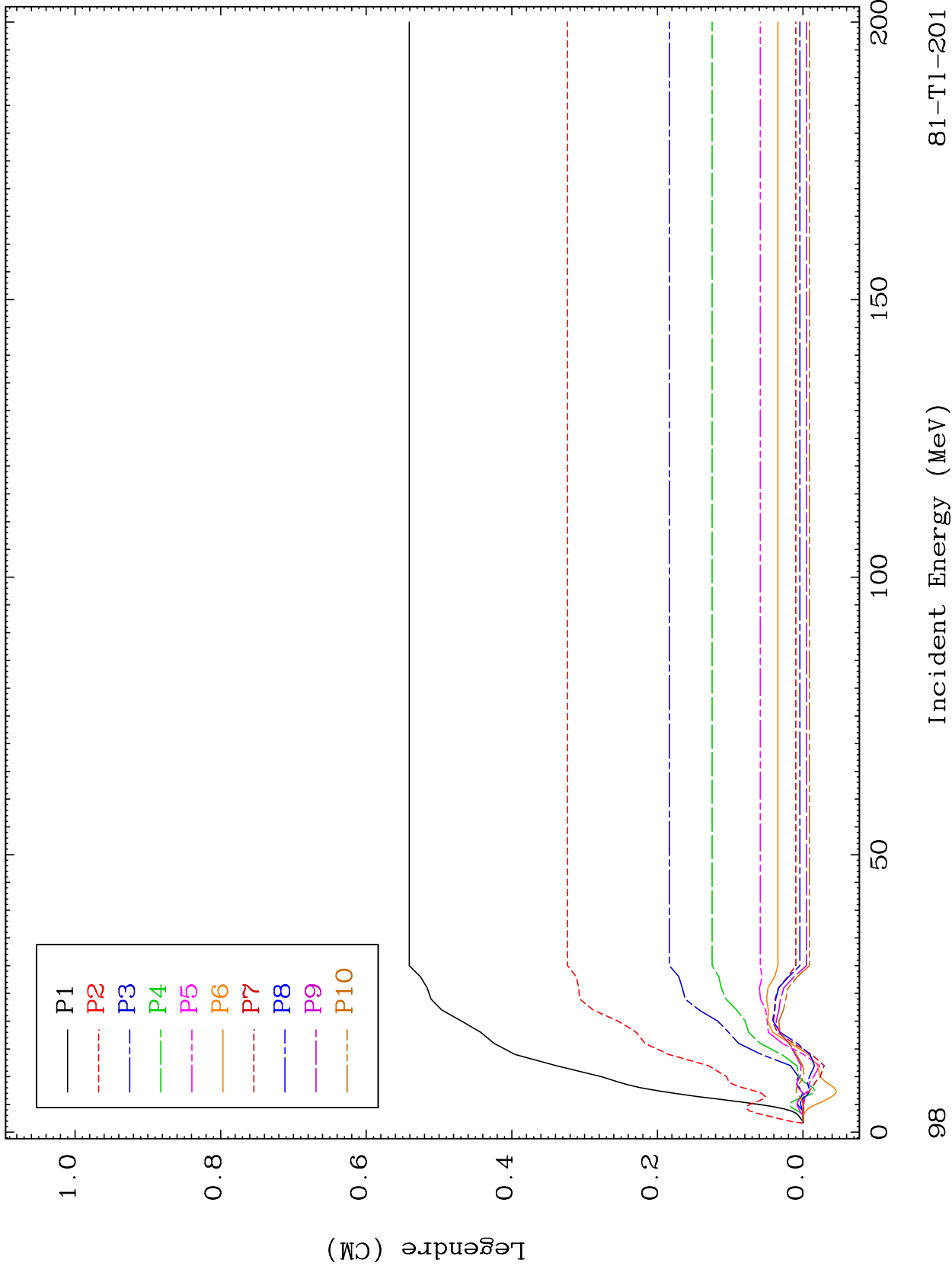
Incident Energy (MeV)

81-T1-201

MAT 81119

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

81-T1-201



98

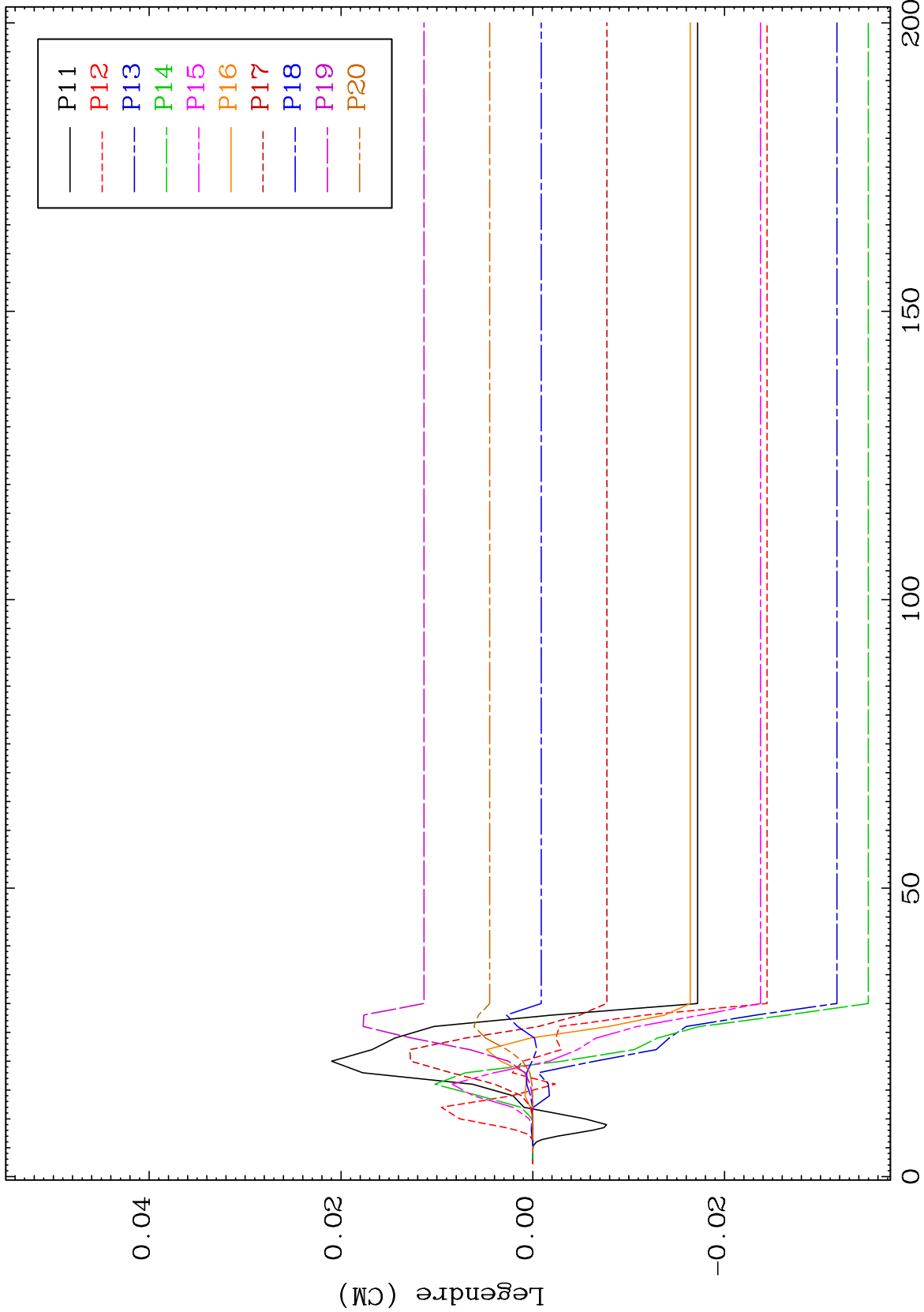
Incident Energy (MeV)

81-T1-201

MAT 81119

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

81-Tl-201



99

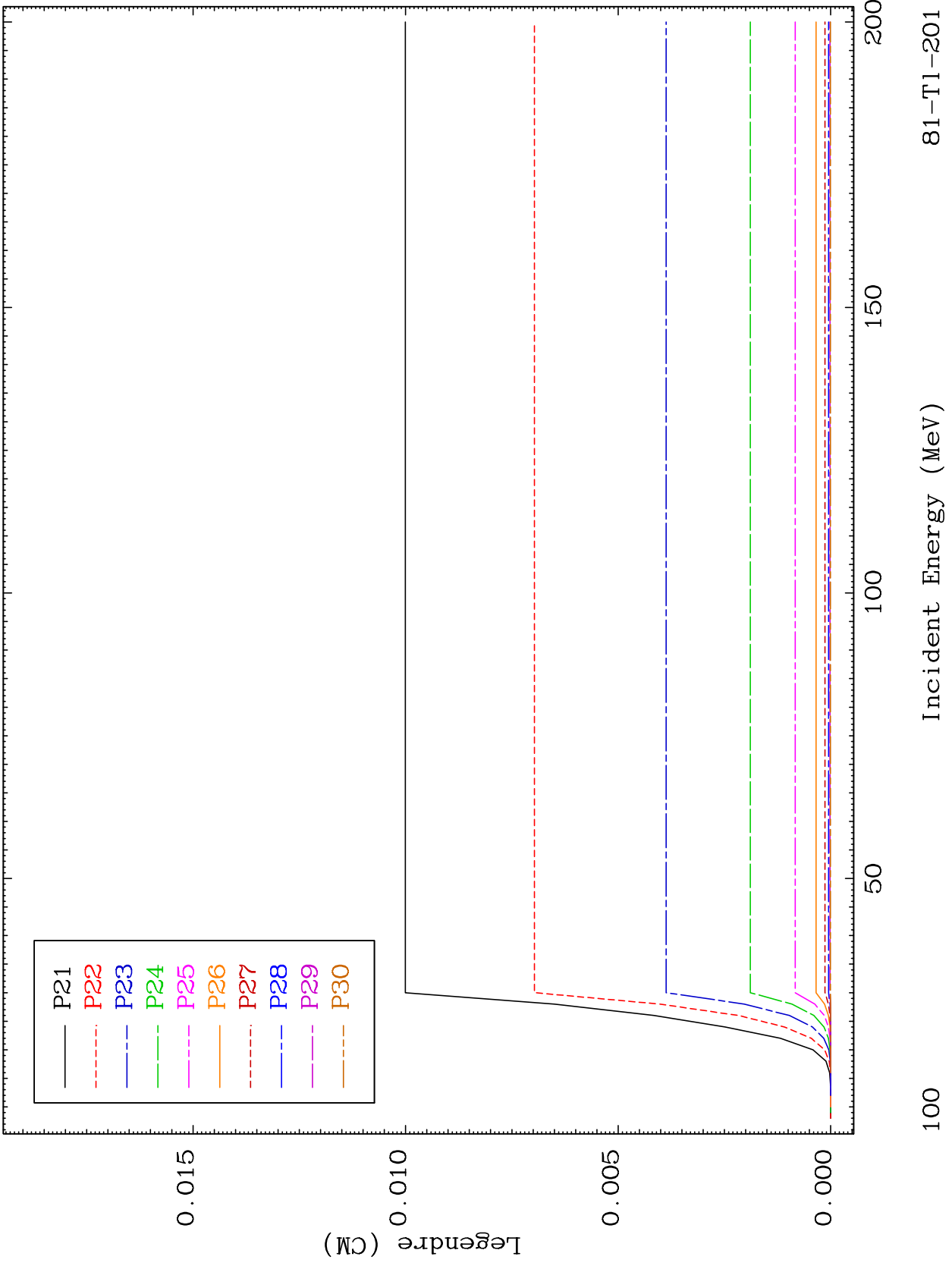
Incident Energy (MeV)

81-Tl-201

MAT 8119

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

81-Tl-201



81-Tl-201

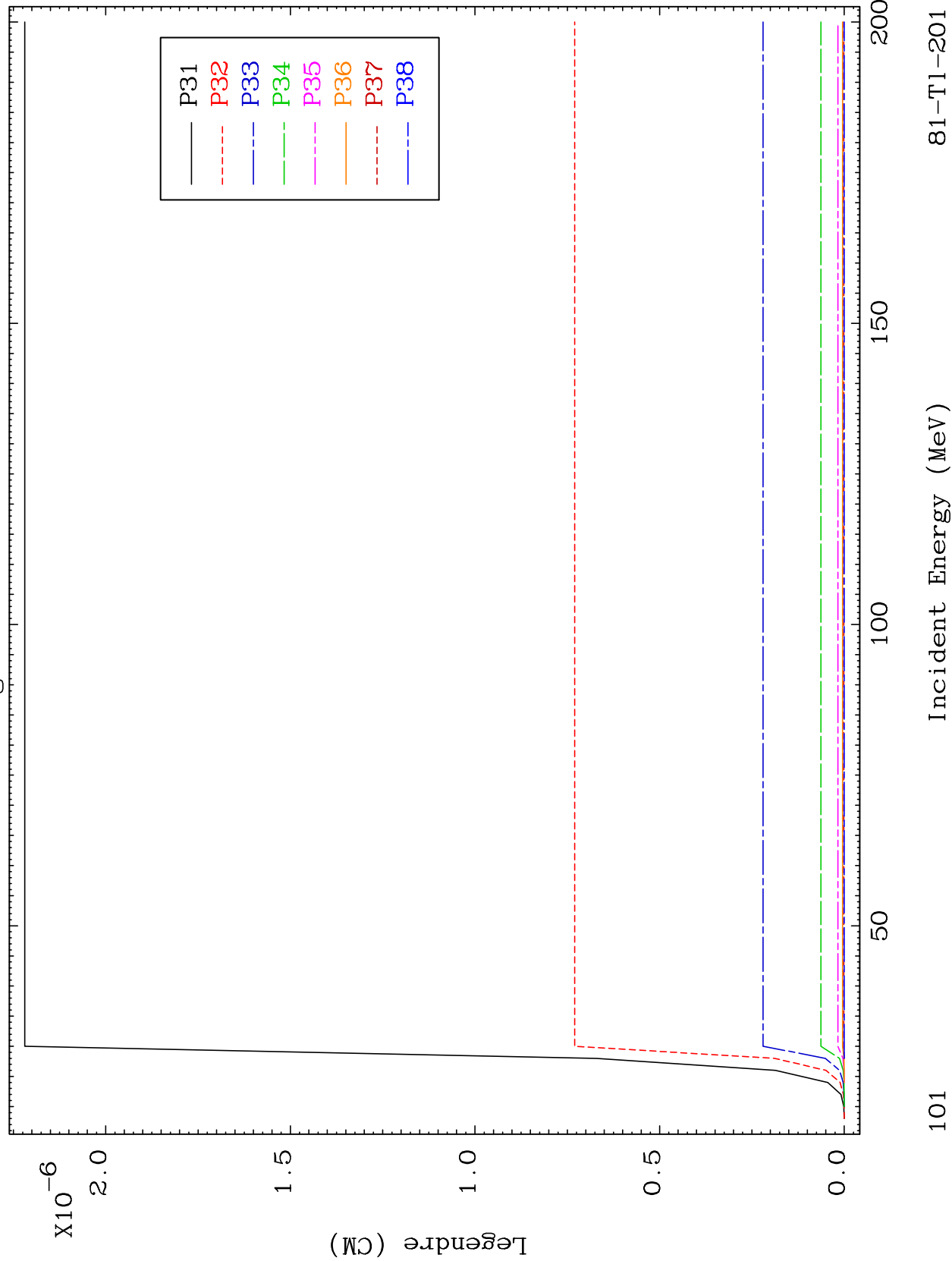
Incident Energy (MeV)

100

MAT 81119

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

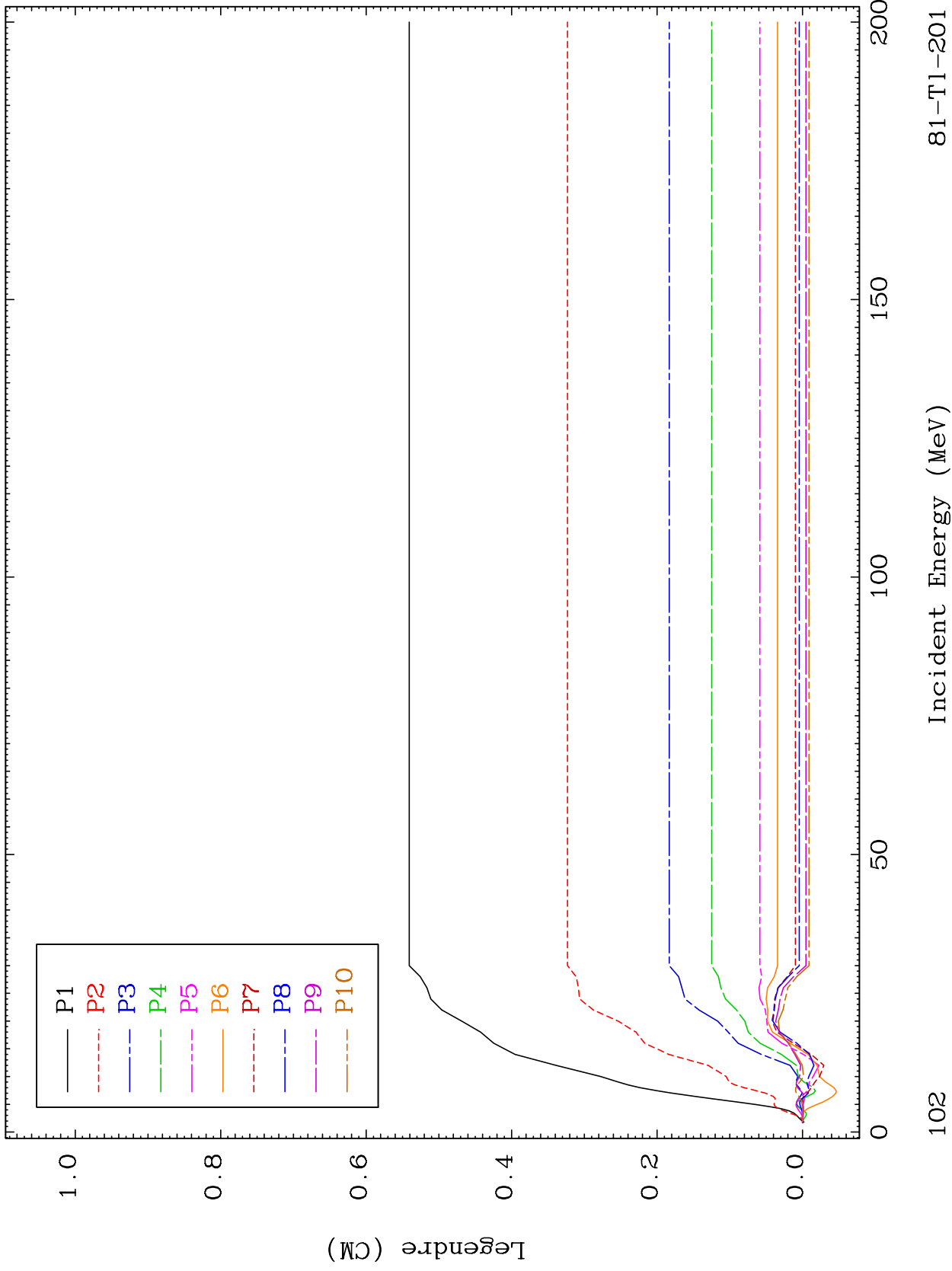
81-Tl-201



MAT 81119

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

81-T1-201



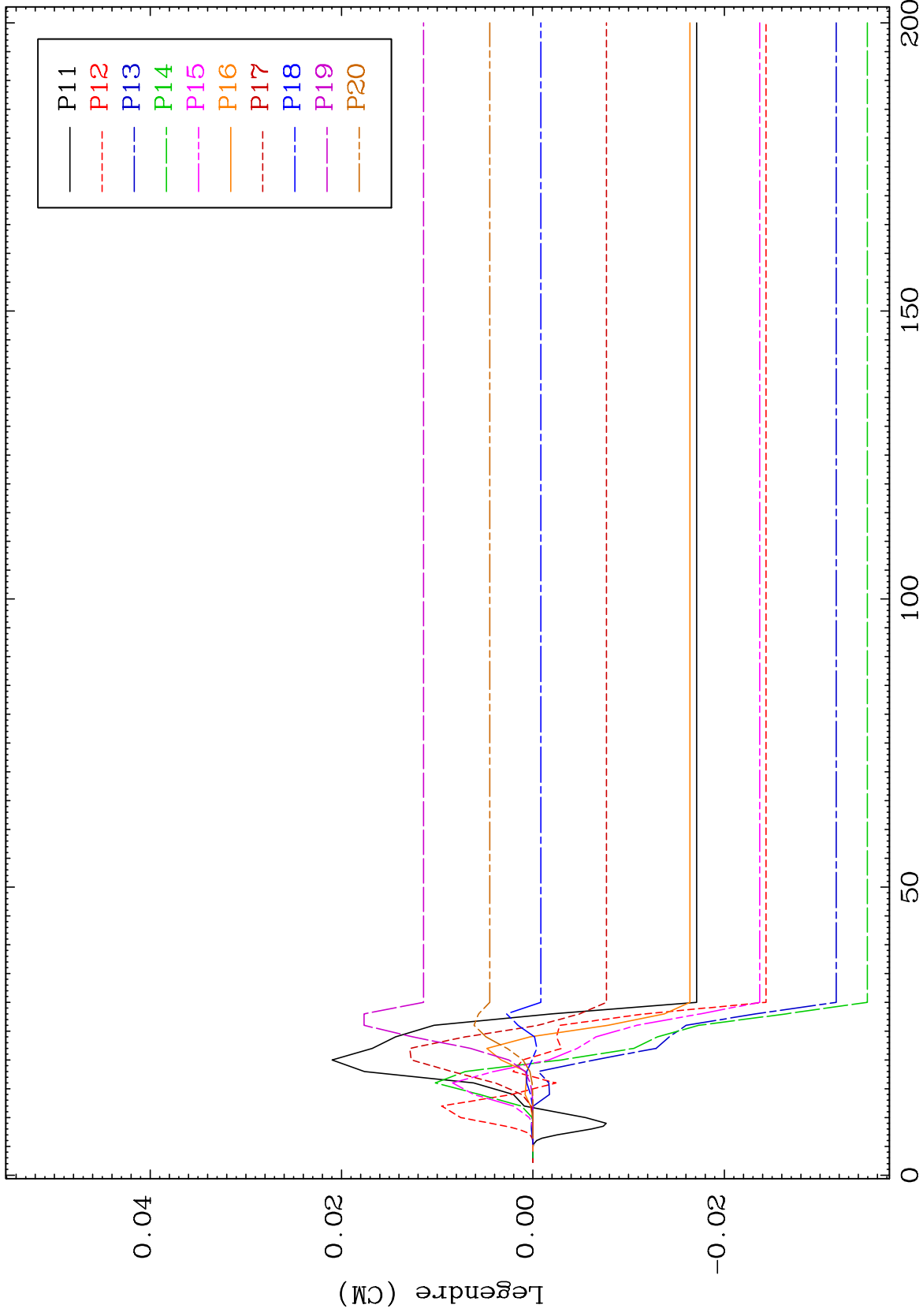
102

81-T1-201

MAT 81119

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

81-T1-201



103

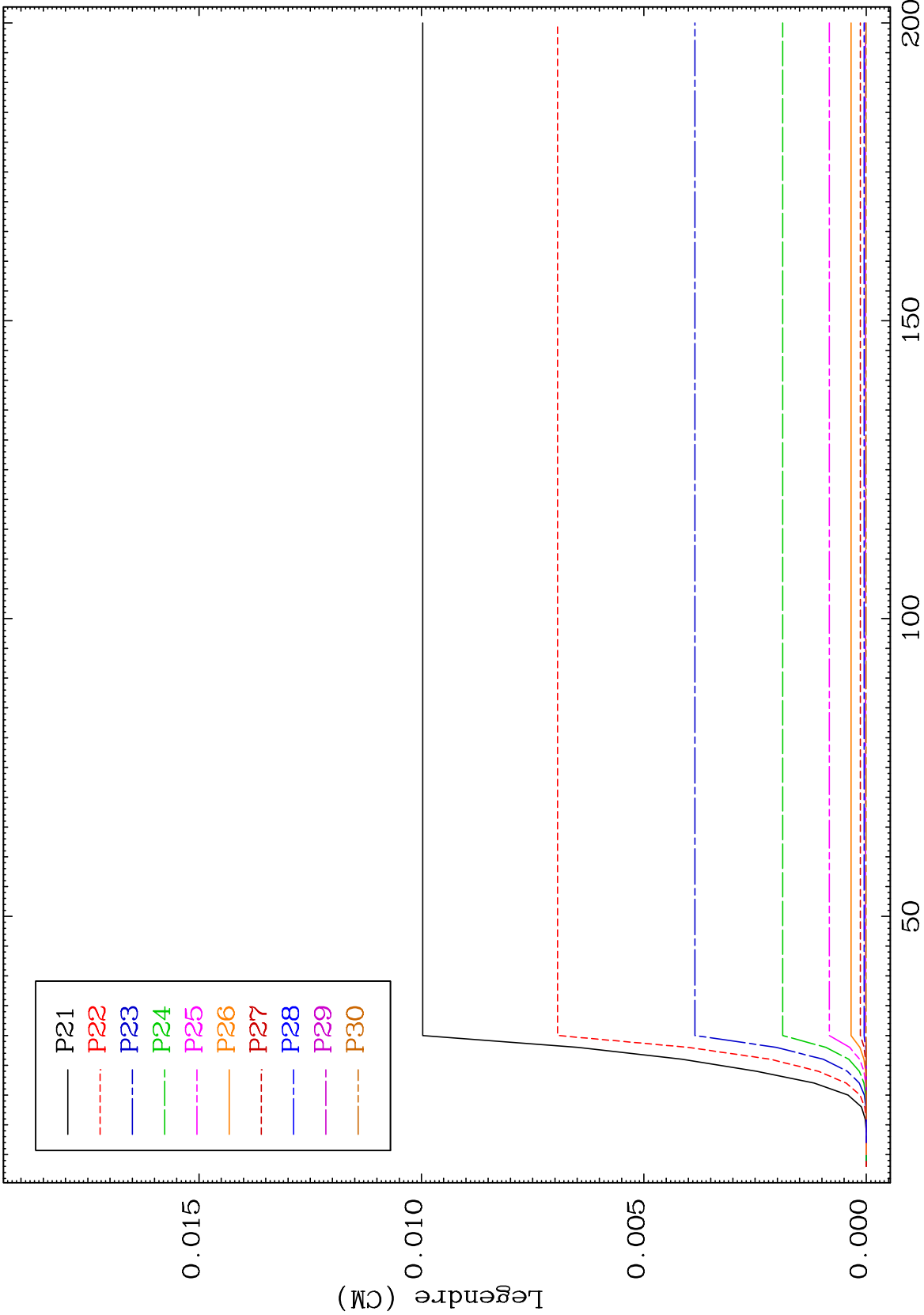
Incident Energy (MeV)

81-T1-201

MAT 8119

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

81-Tl-201



104

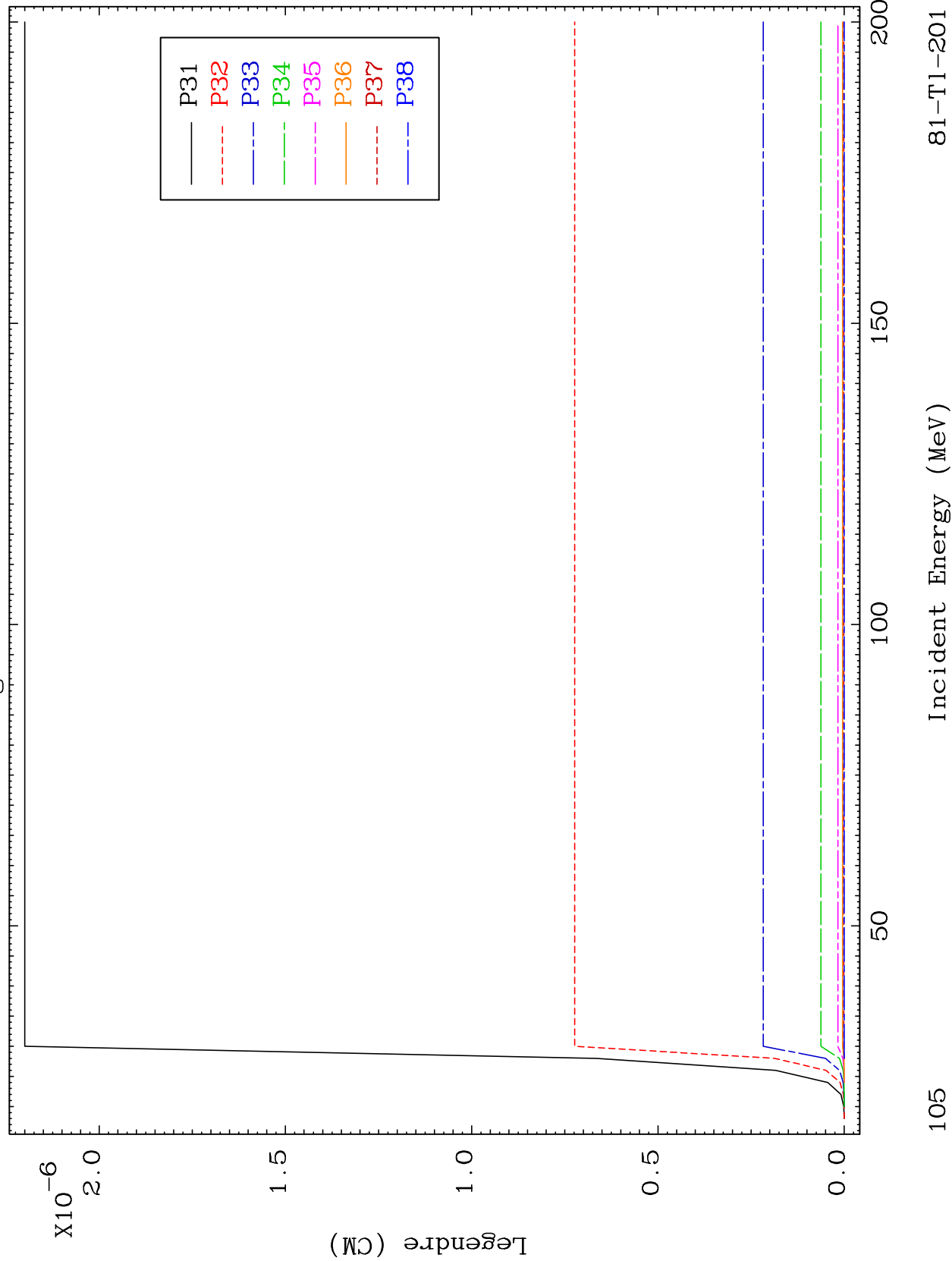
Incident Energy (MeV)

81-Tl-201

MAT 81119

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

81-T1-201



81-T1-201

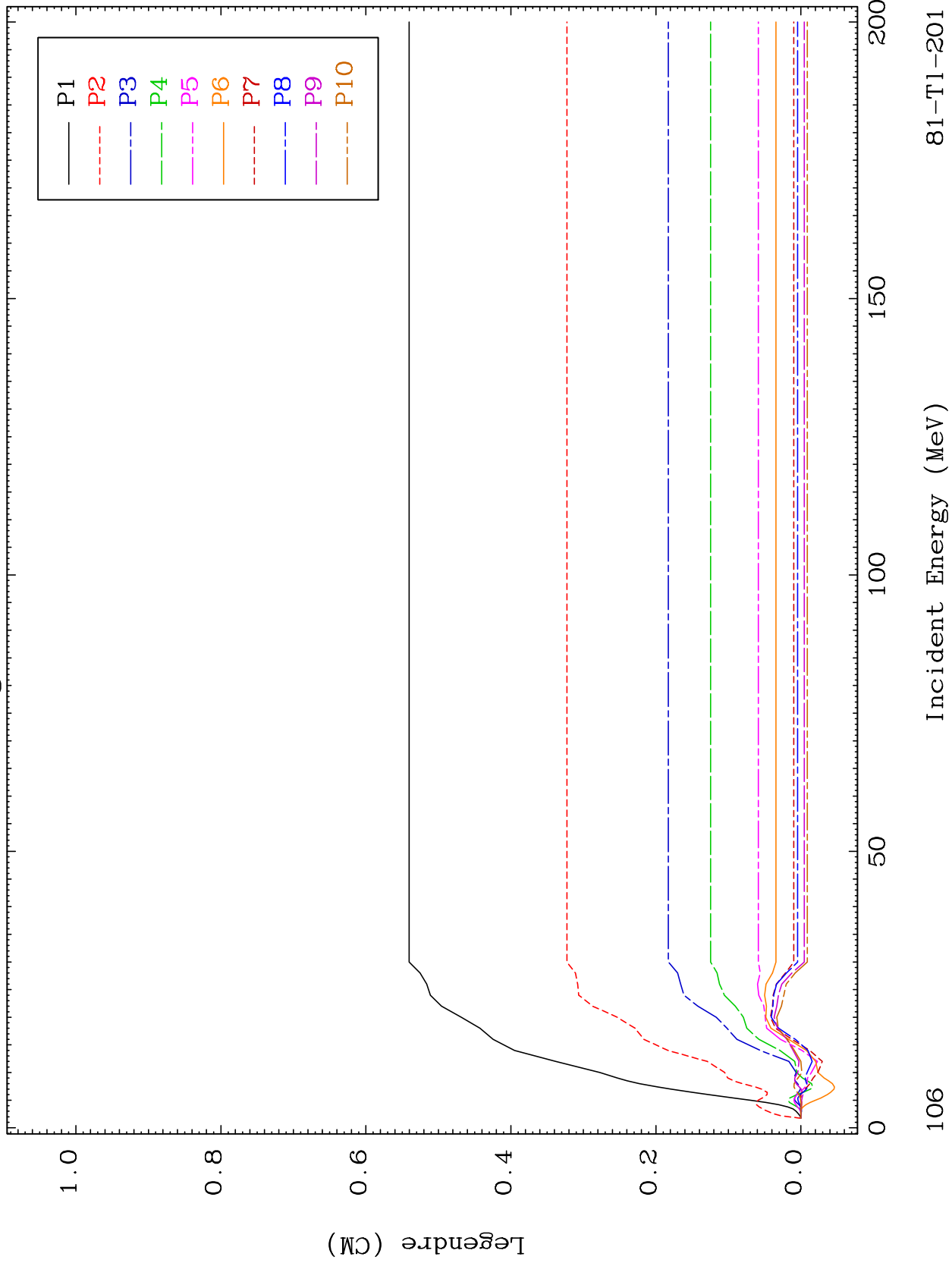
Incident Energy (MeV)

105

MAT 81119

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

81-Tl-201

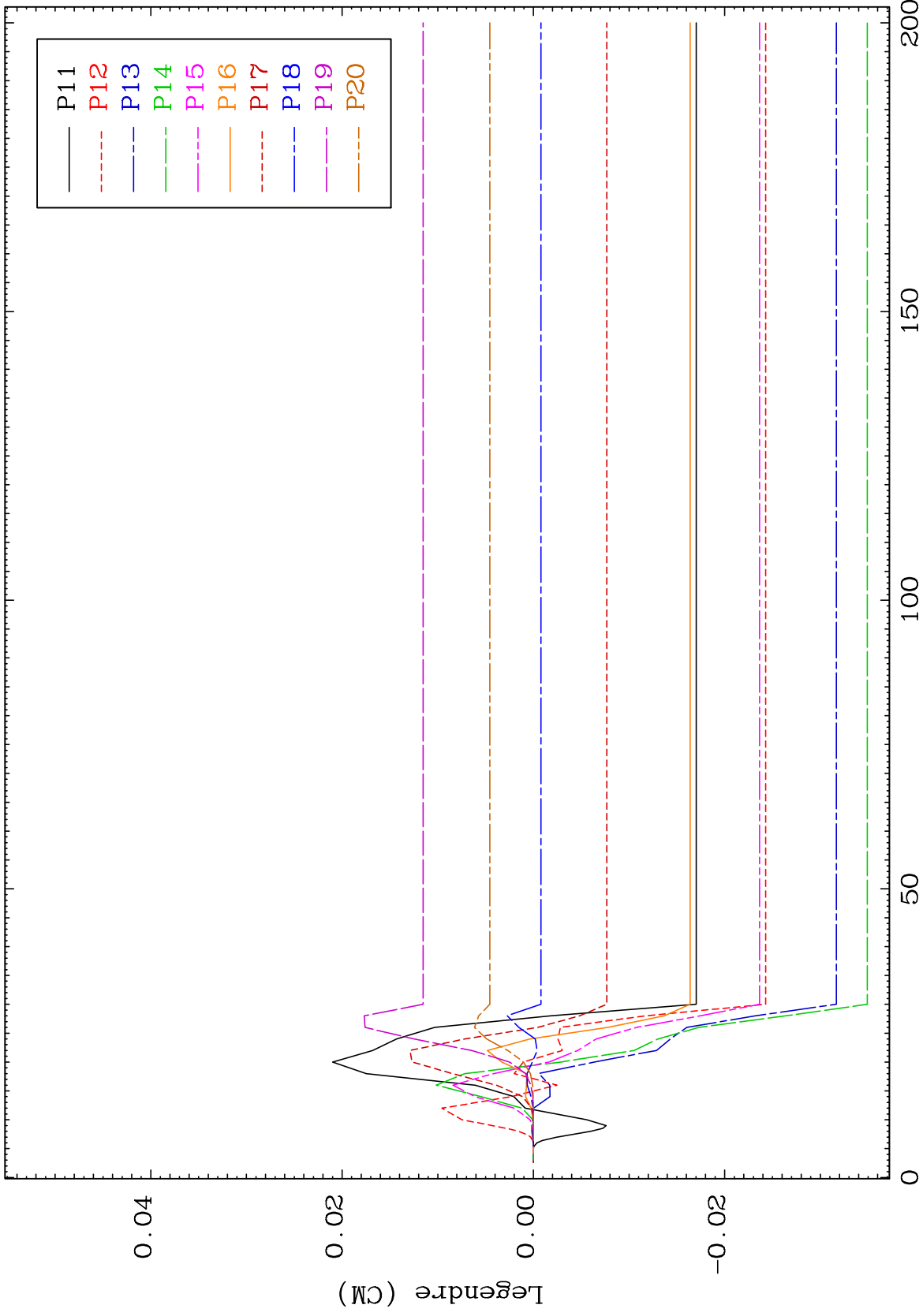


106

MAT 81119

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

81-T1-201



107

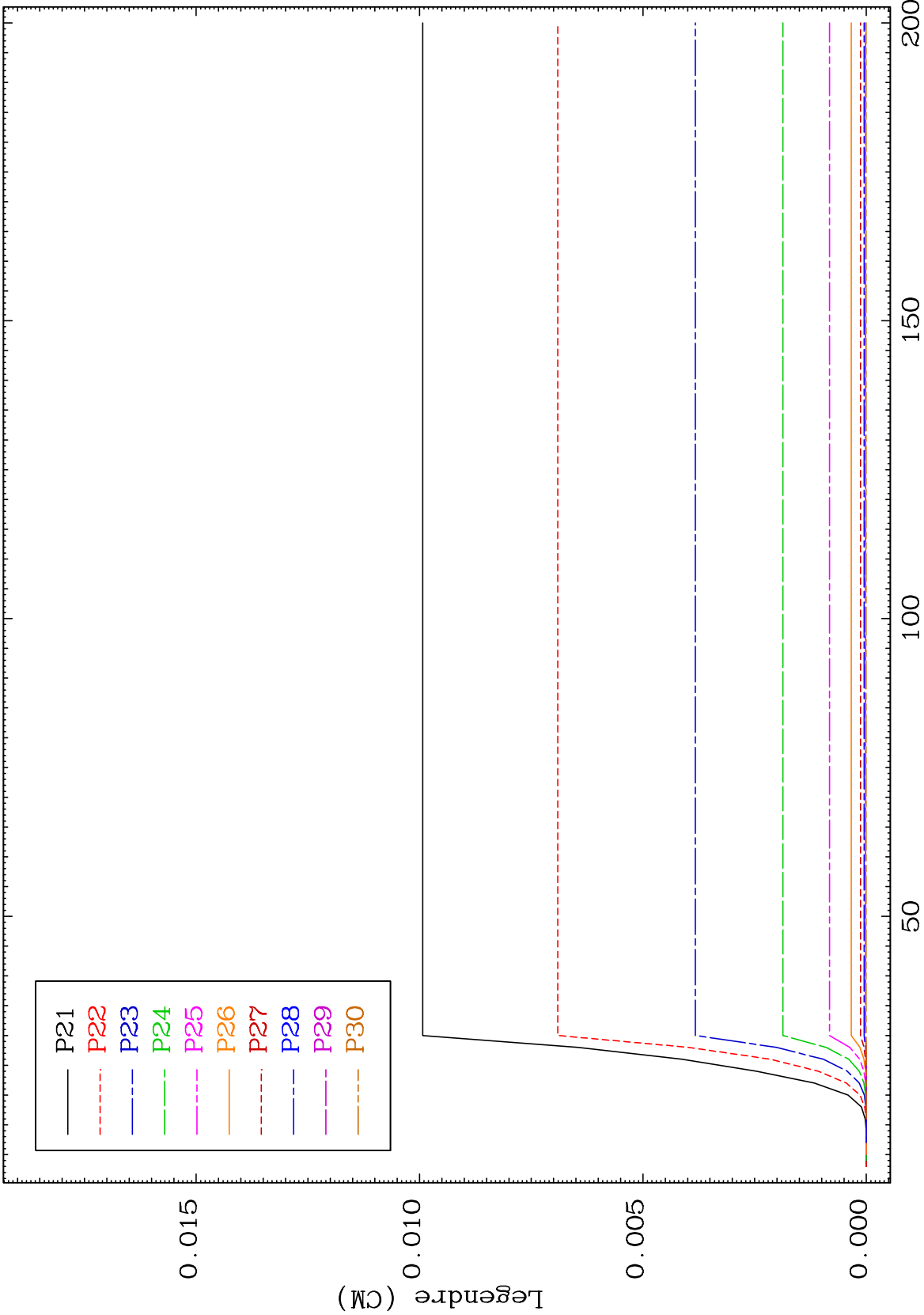
Incident Energy (MeV)

81-T1-201

MAT 8119

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

81-Tl-201



108

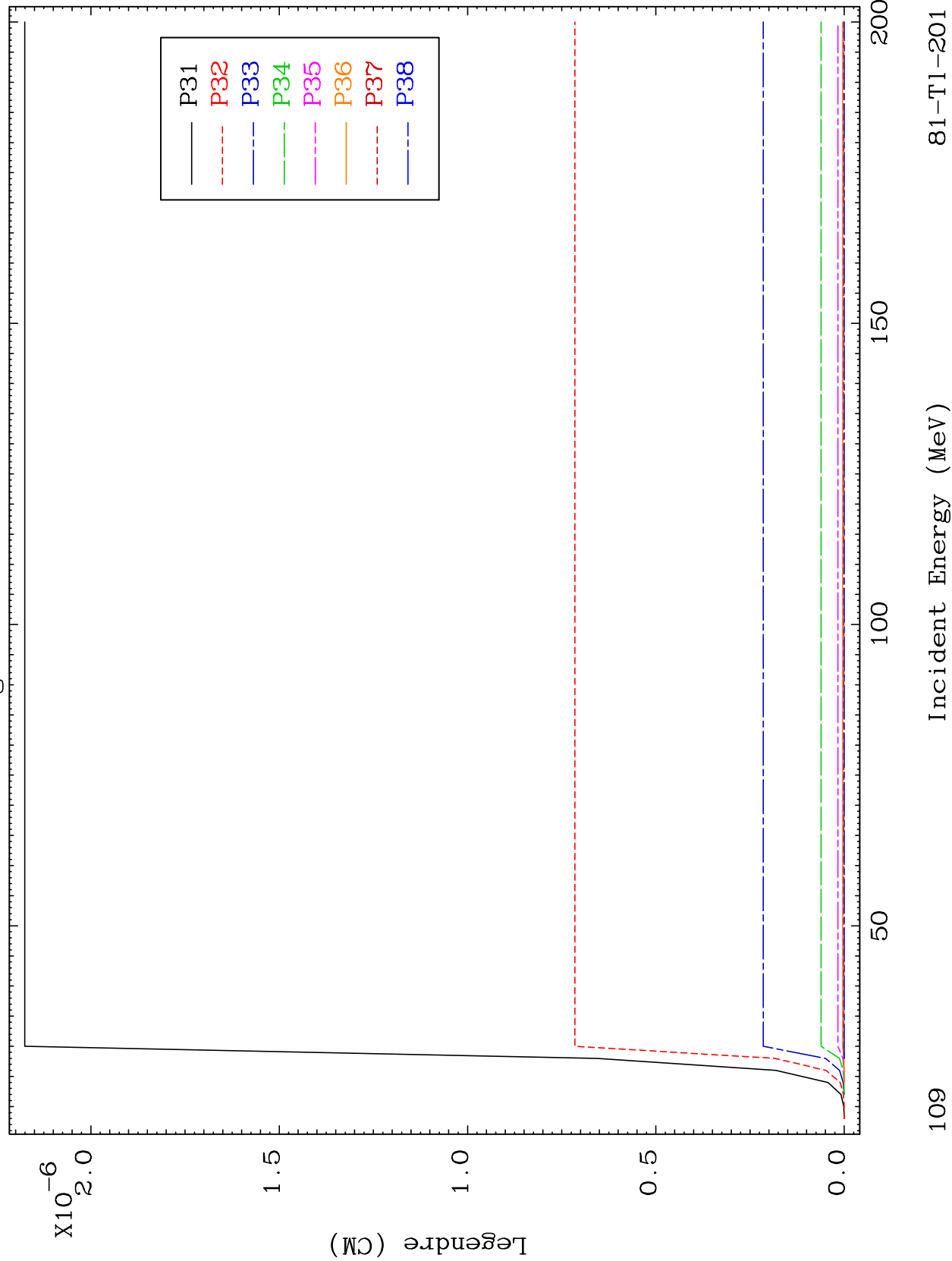
Incident Energy (MeV)

81-Tl-201

MAT 81119

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

81-Tl-201



109

Incident Energy (MeV)

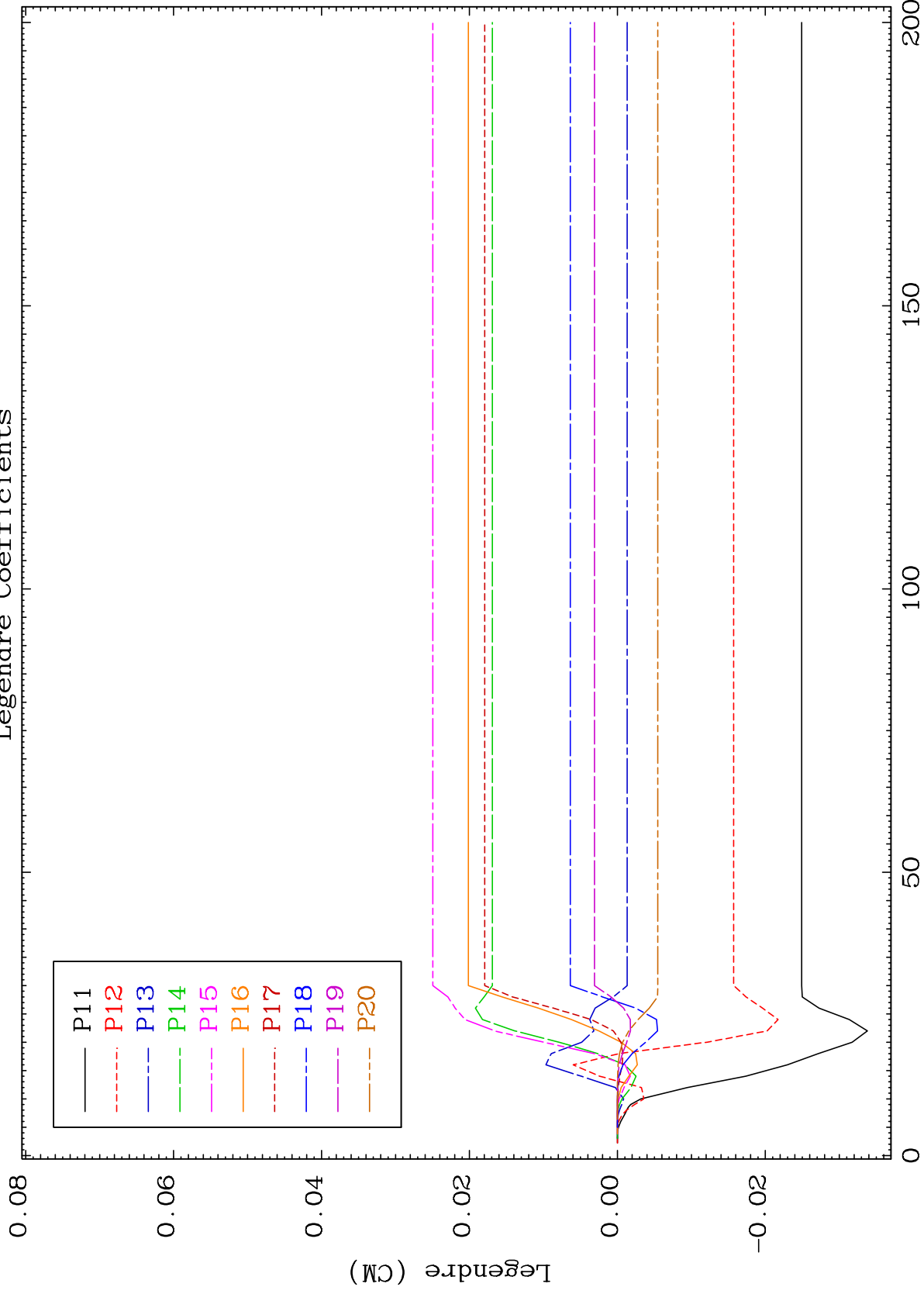
81-Tl-201



MAT 81119

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

81-T1-201



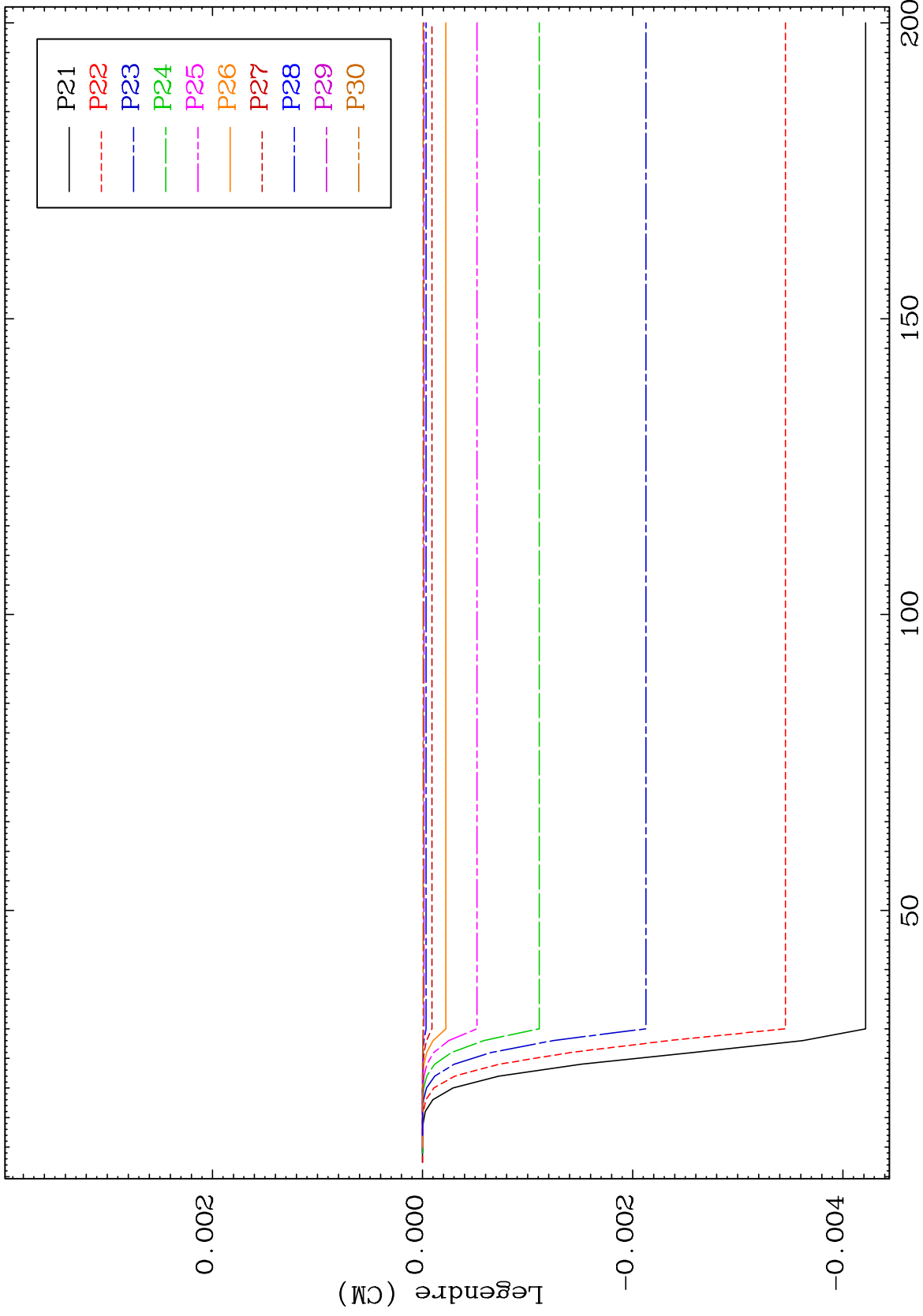
111

81-T1-201

MAT 81119

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

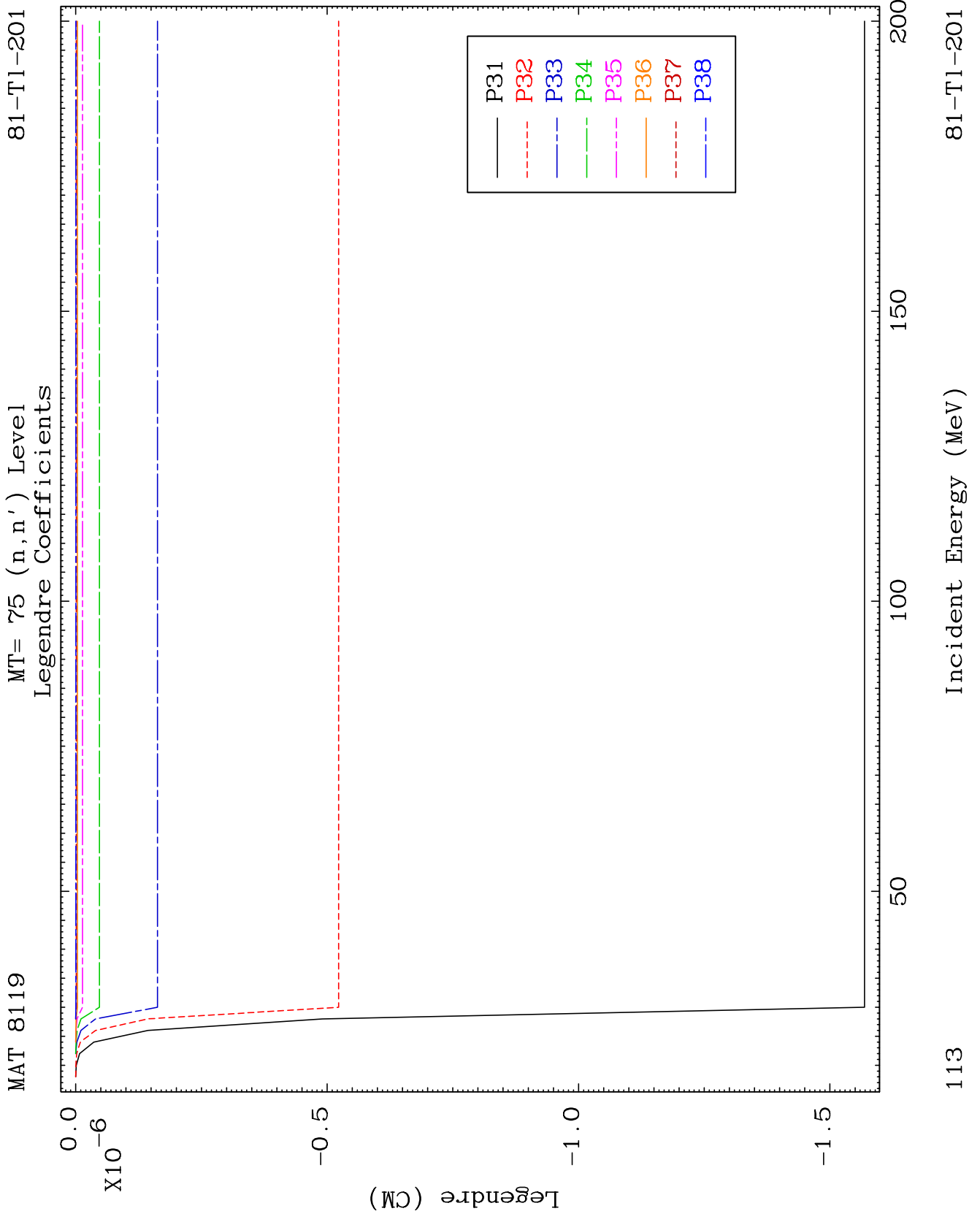
81-T1-201



112

Incident Energy (MeV)

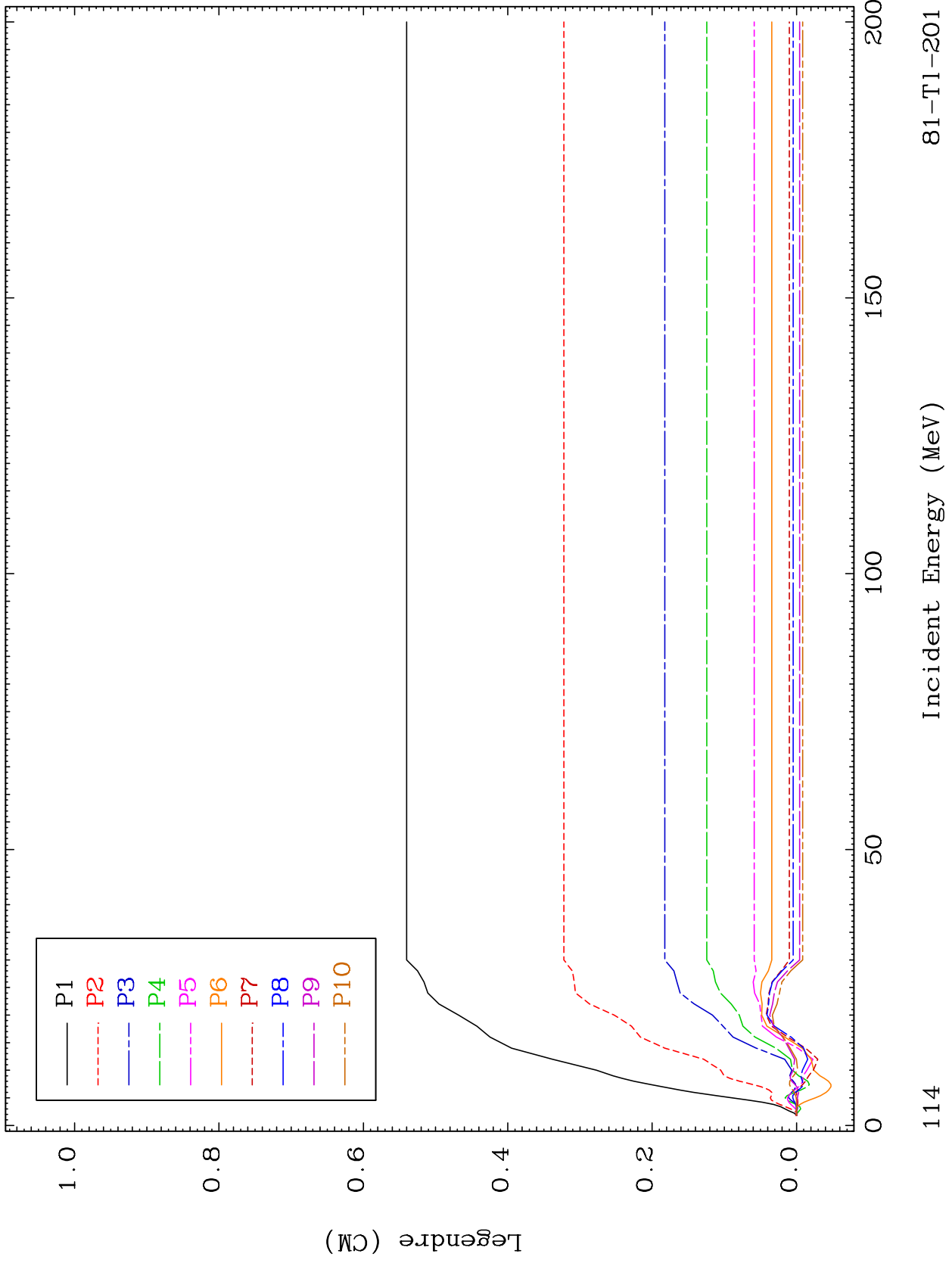
81-T1-201



MAT 81119

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

81-T1-201



114

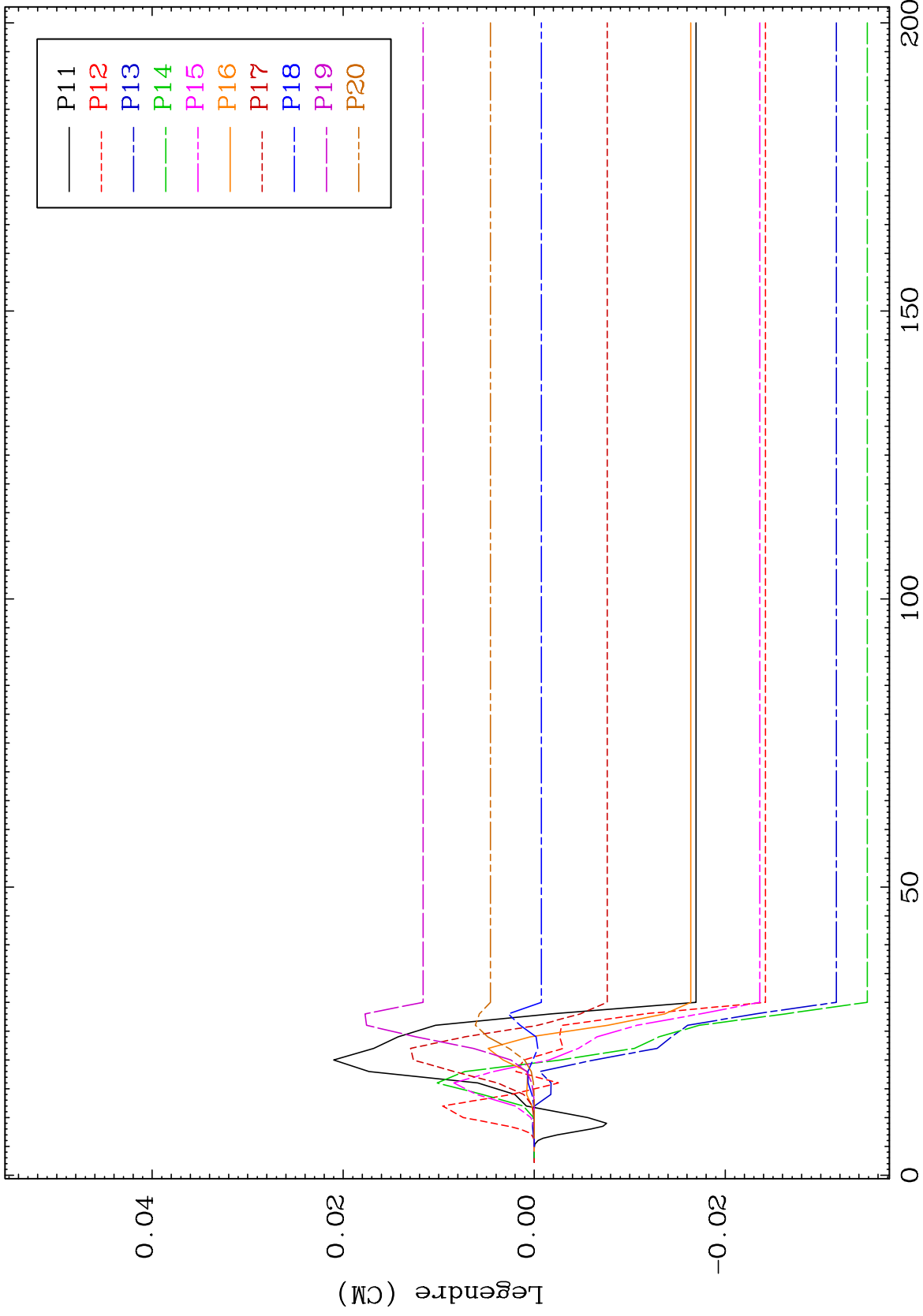
Incident Energy (MeV)

81-T1-201

MAT 81119

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

81-T1-201



115

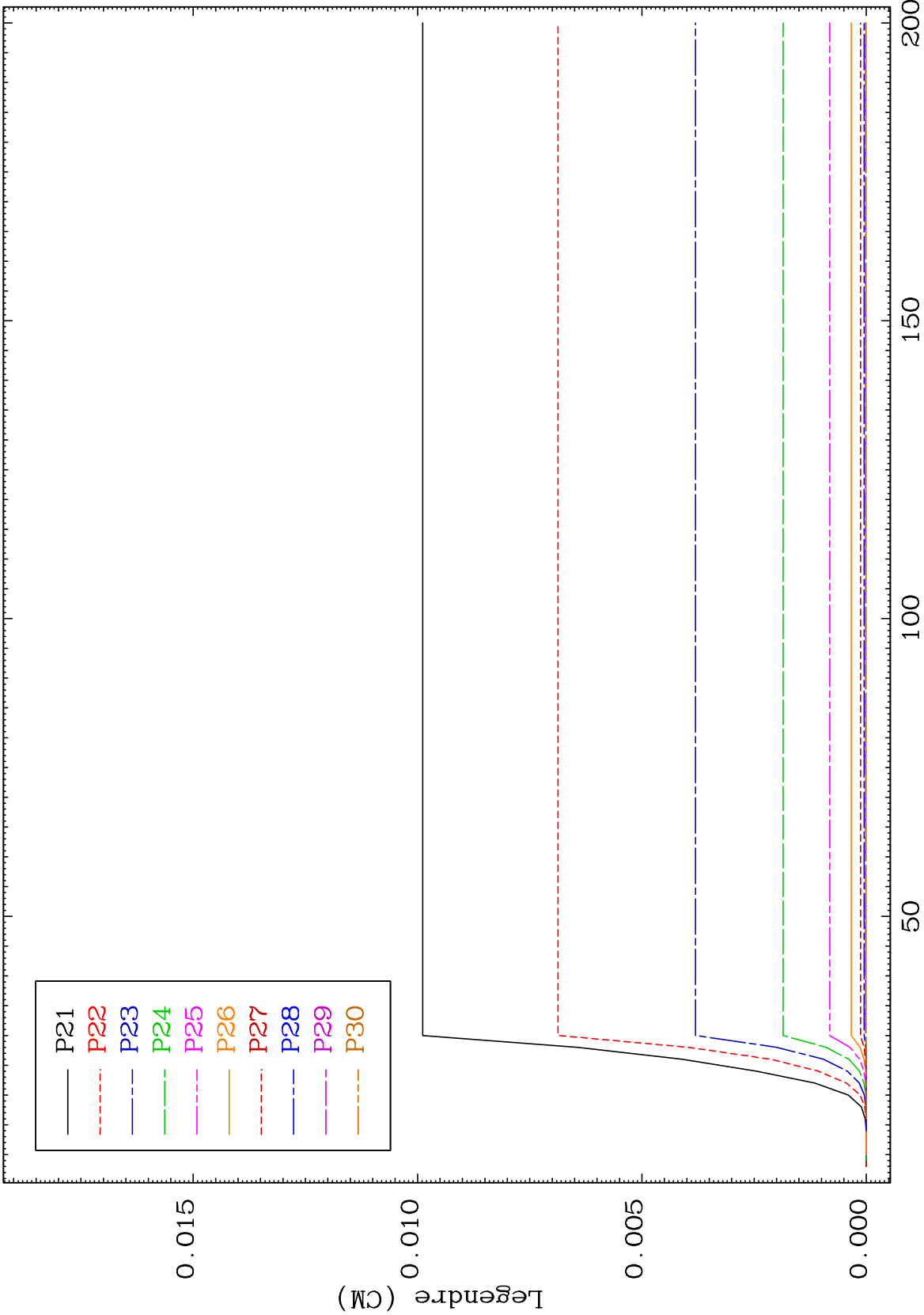
Incident Energy (MeV)

81-T1-201

MAT 8119

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

81-Tl-201



116

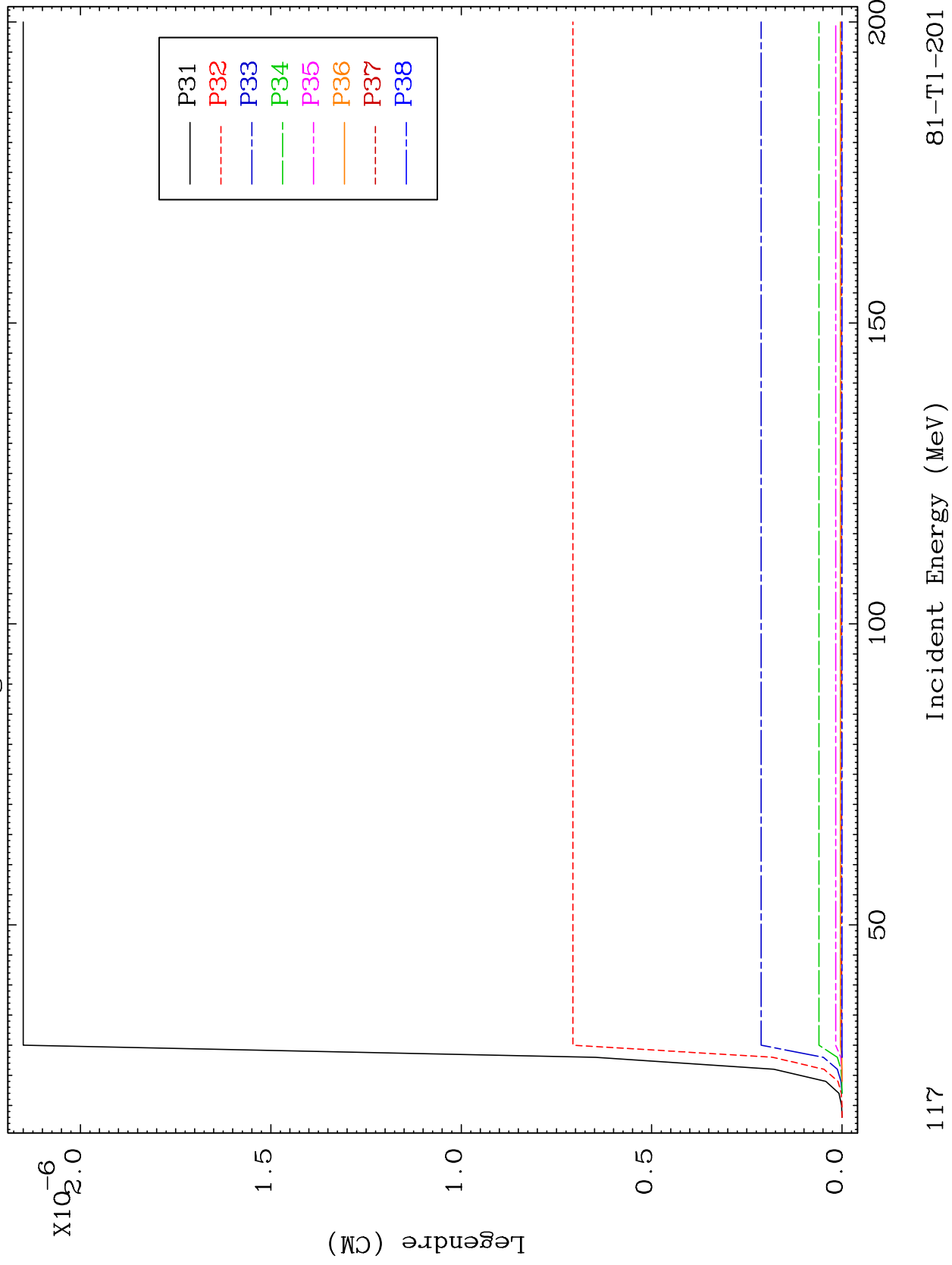
Incident Energy (MeV)

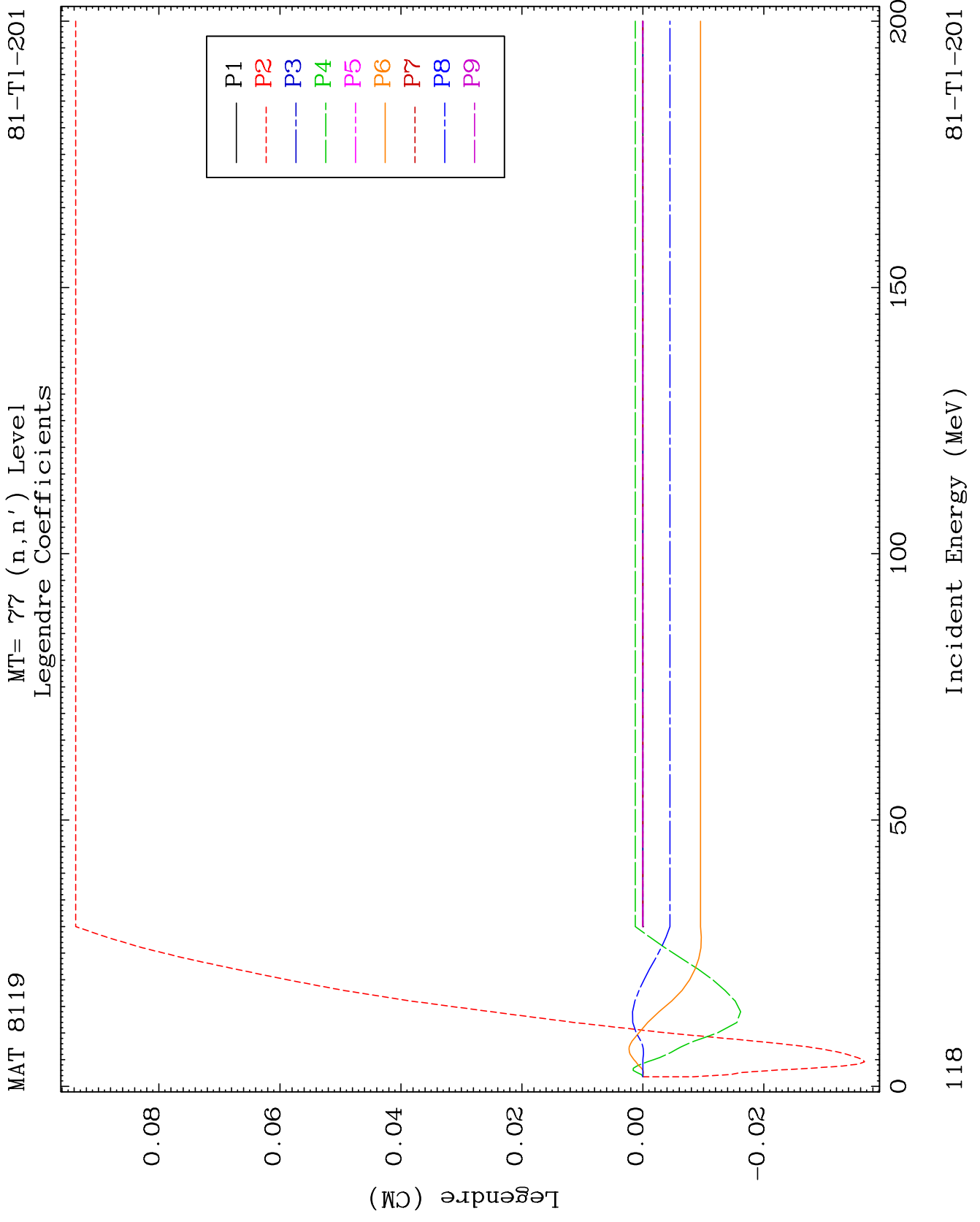
81-Tl-201

MAT 8119

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

81-Tl-201

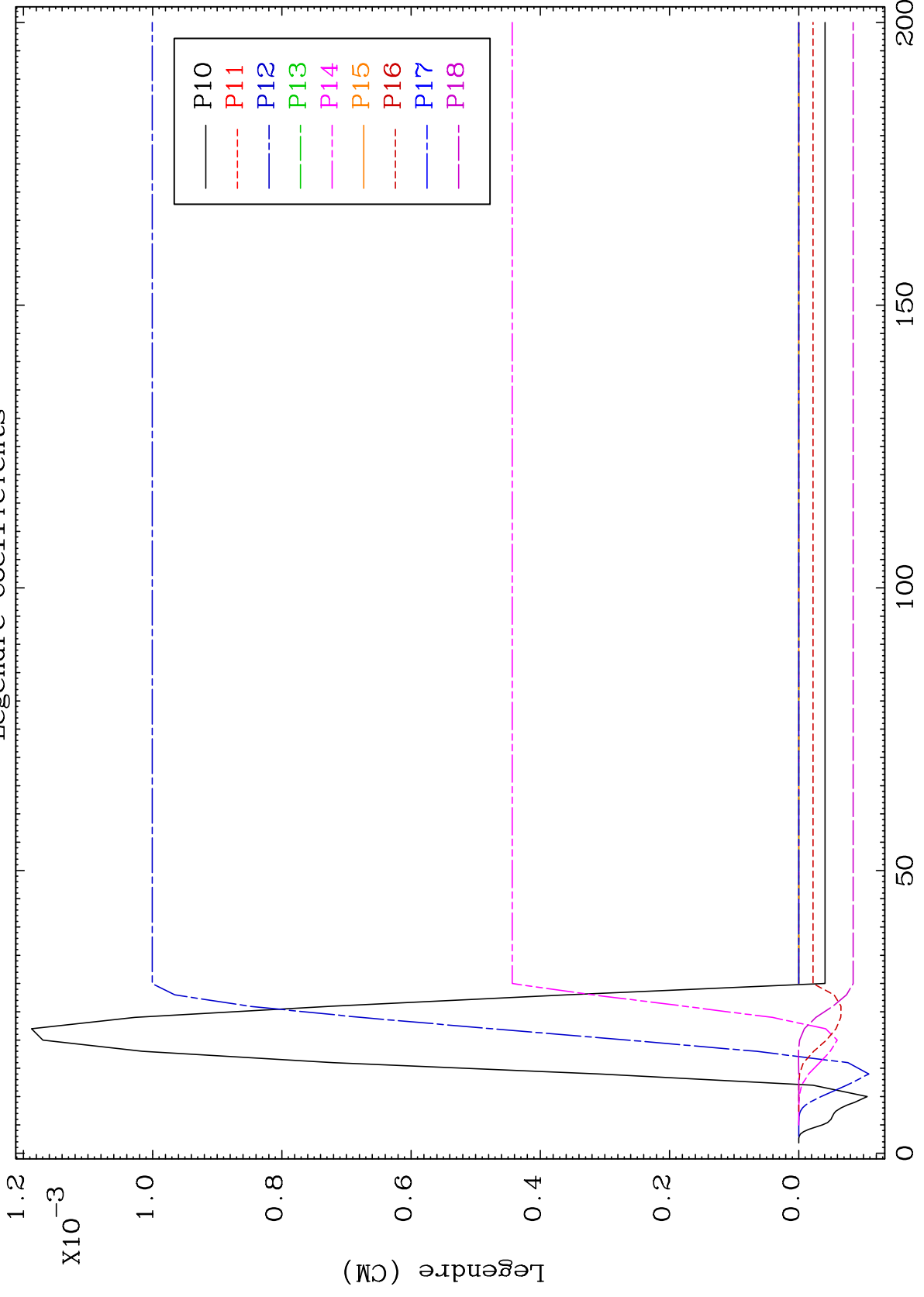




MAT 81119

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

81-Tl-201



119

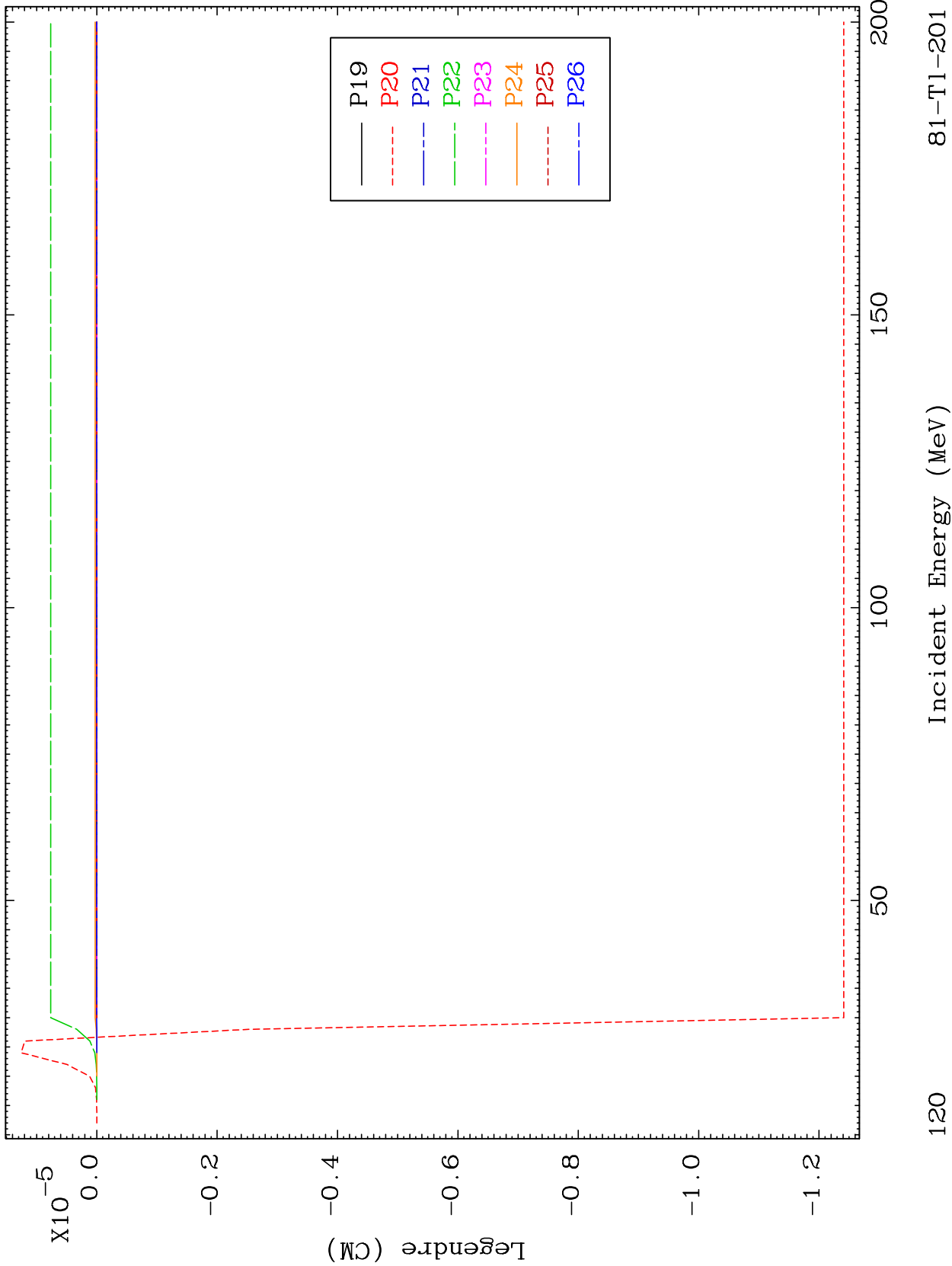
Incident Energy (MeV)

81-Tl-201

MAT 8119

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

81-T1-201



120

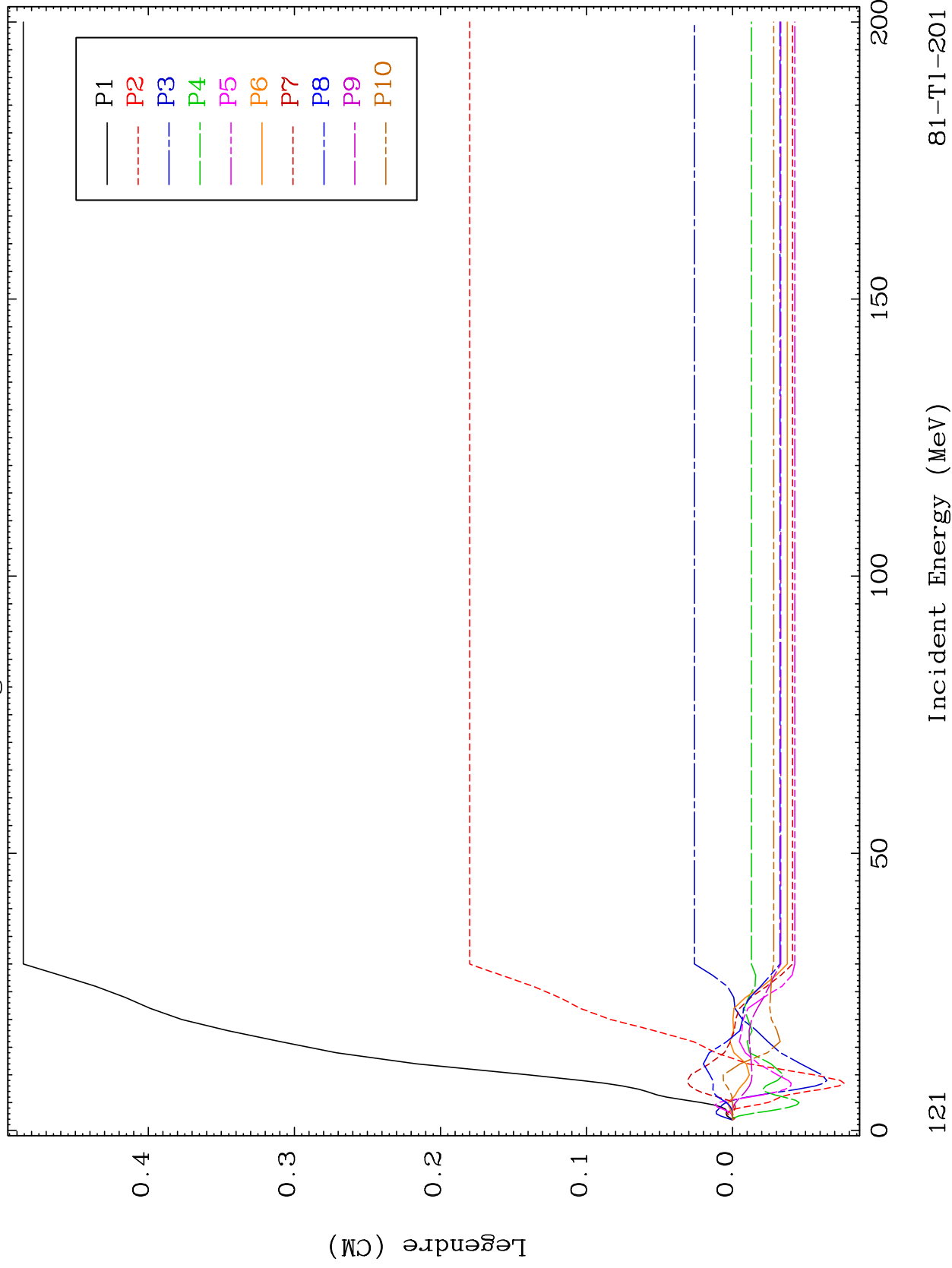
Incident Energy (MeV)

81-T1-201

MAT 81119

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

81-Tl-201



81-Tl-201

Incident Energy (MeV)

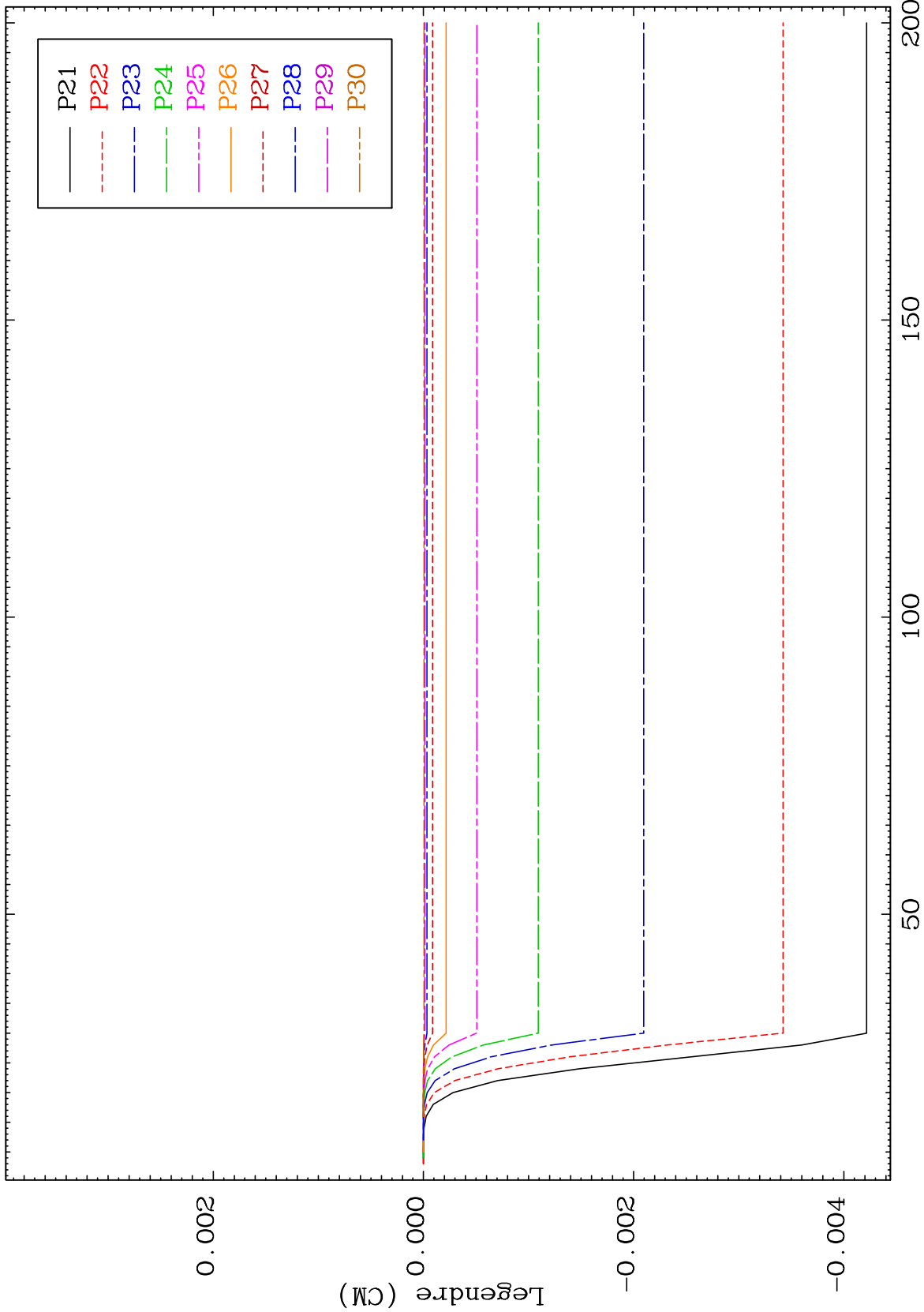
121



MAT 81119

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

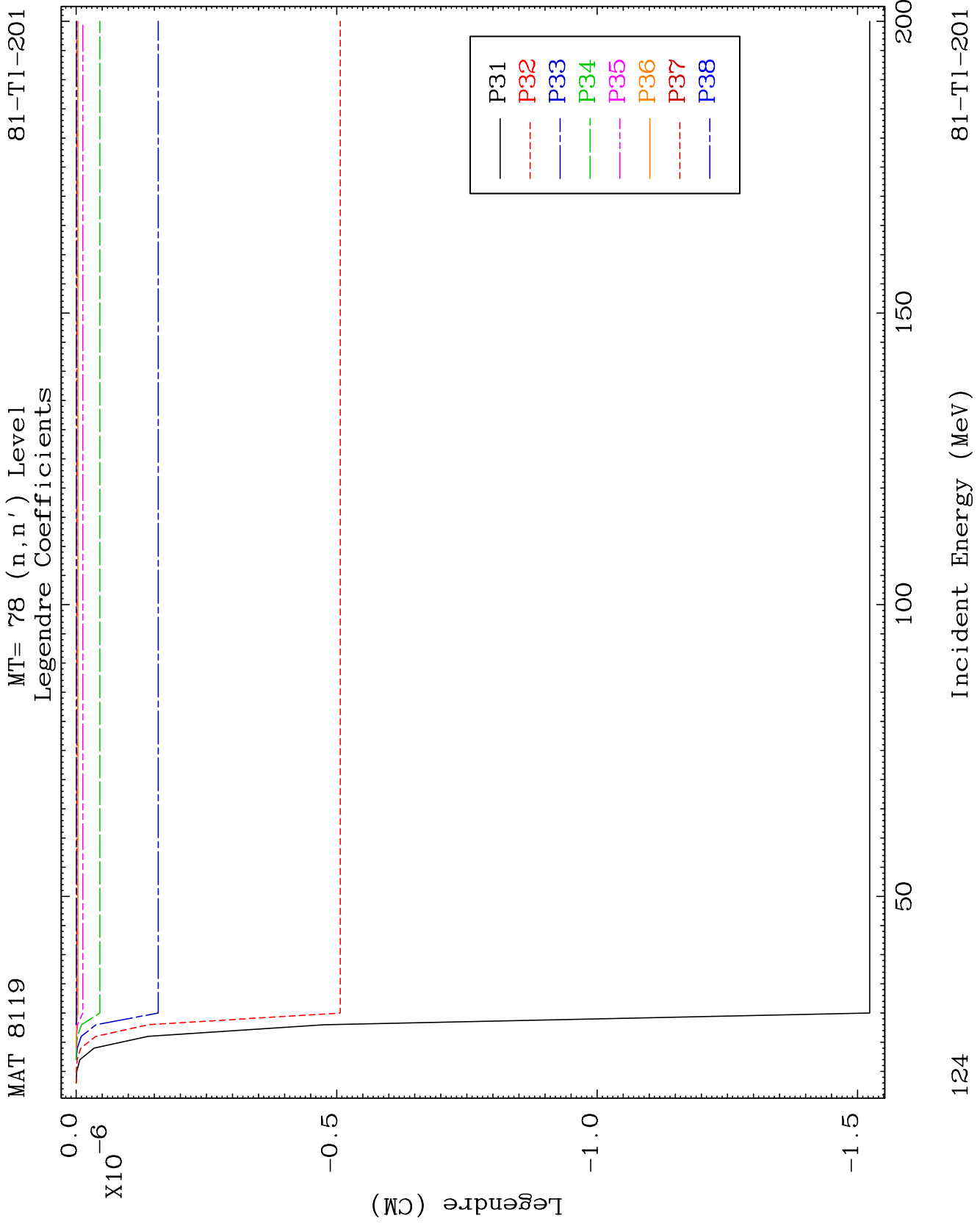
81-T1-201



123

Incident Energy (MeV)

81-T1-201

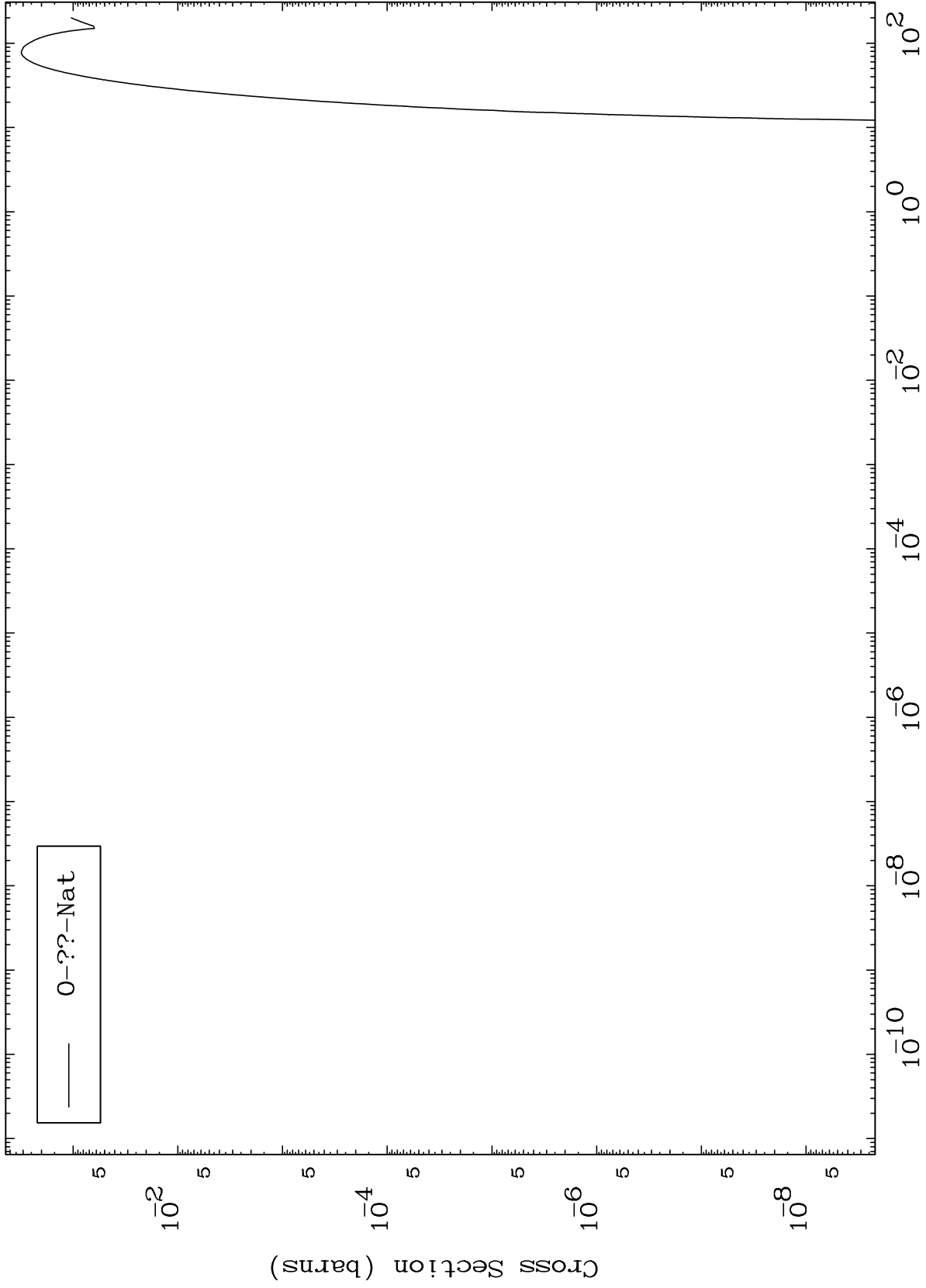


MAT 81119

Fission

81-Tl-201

Radionuclide Production Cross Section



125

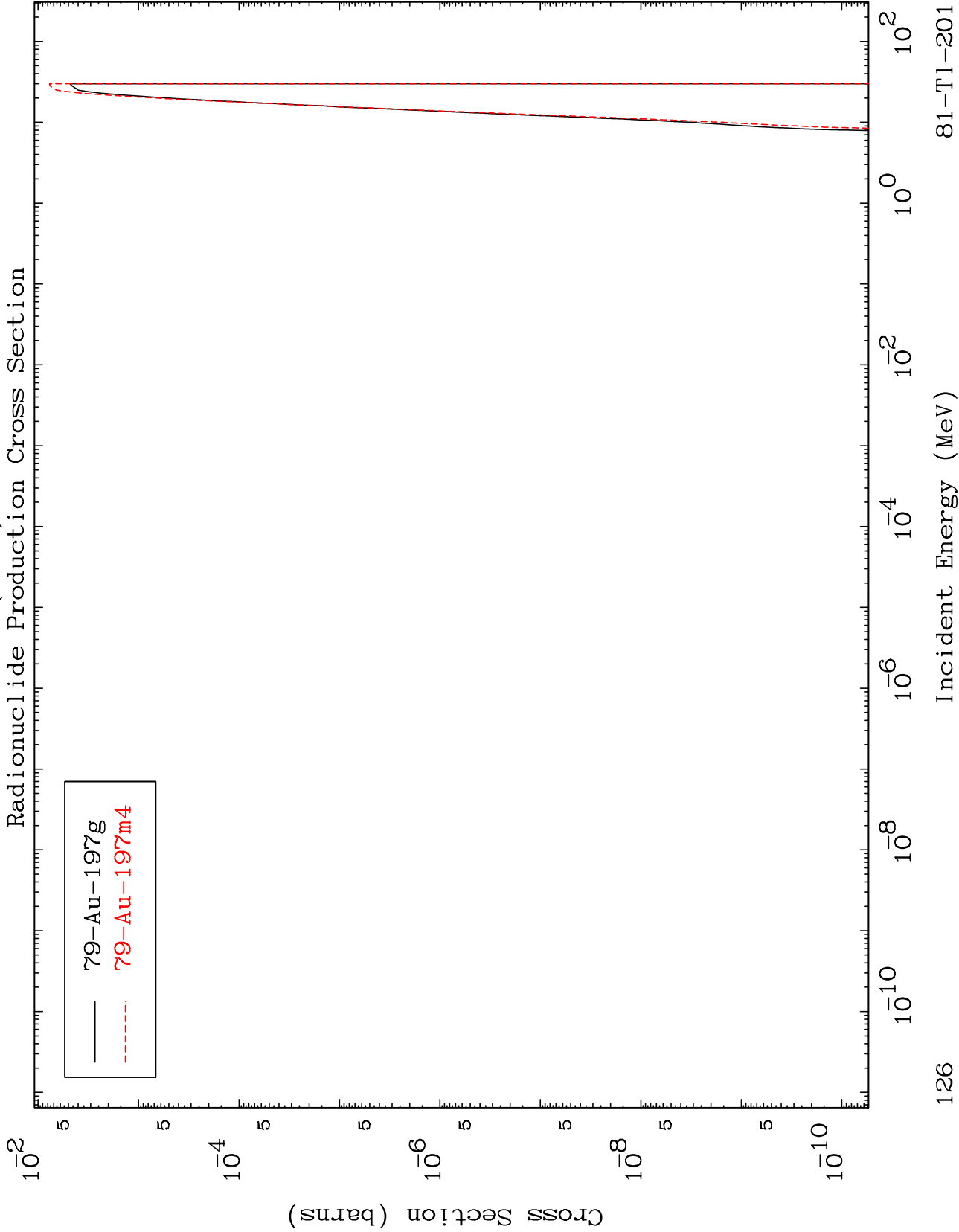
Incident Energy (MeV)

81-Tl-201

MAT 8119

(n,n')  $\alpha$

81-Tl-201



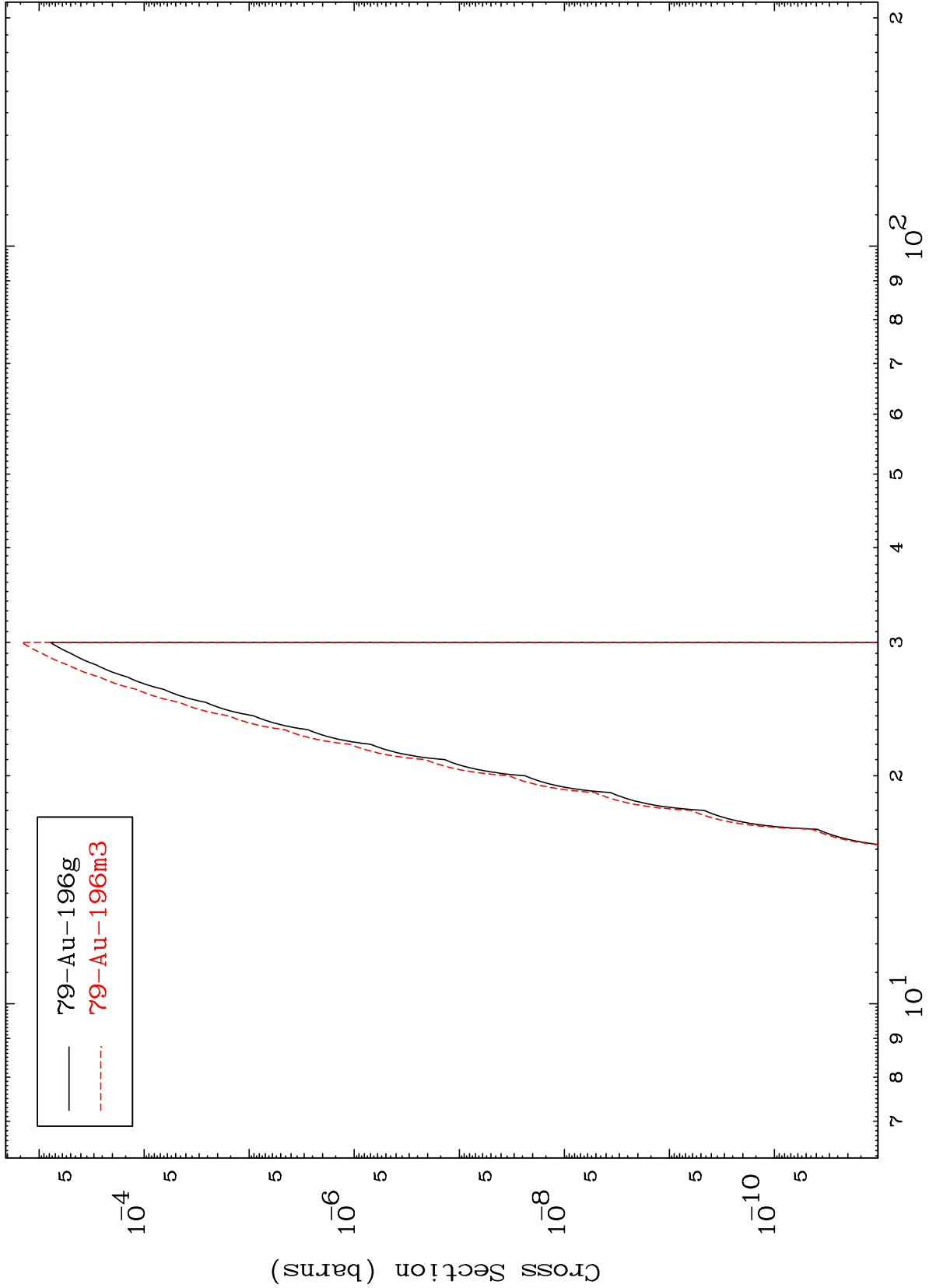
126

MAT 8119

81-Tl-201

(n,2n)  $\alpha$

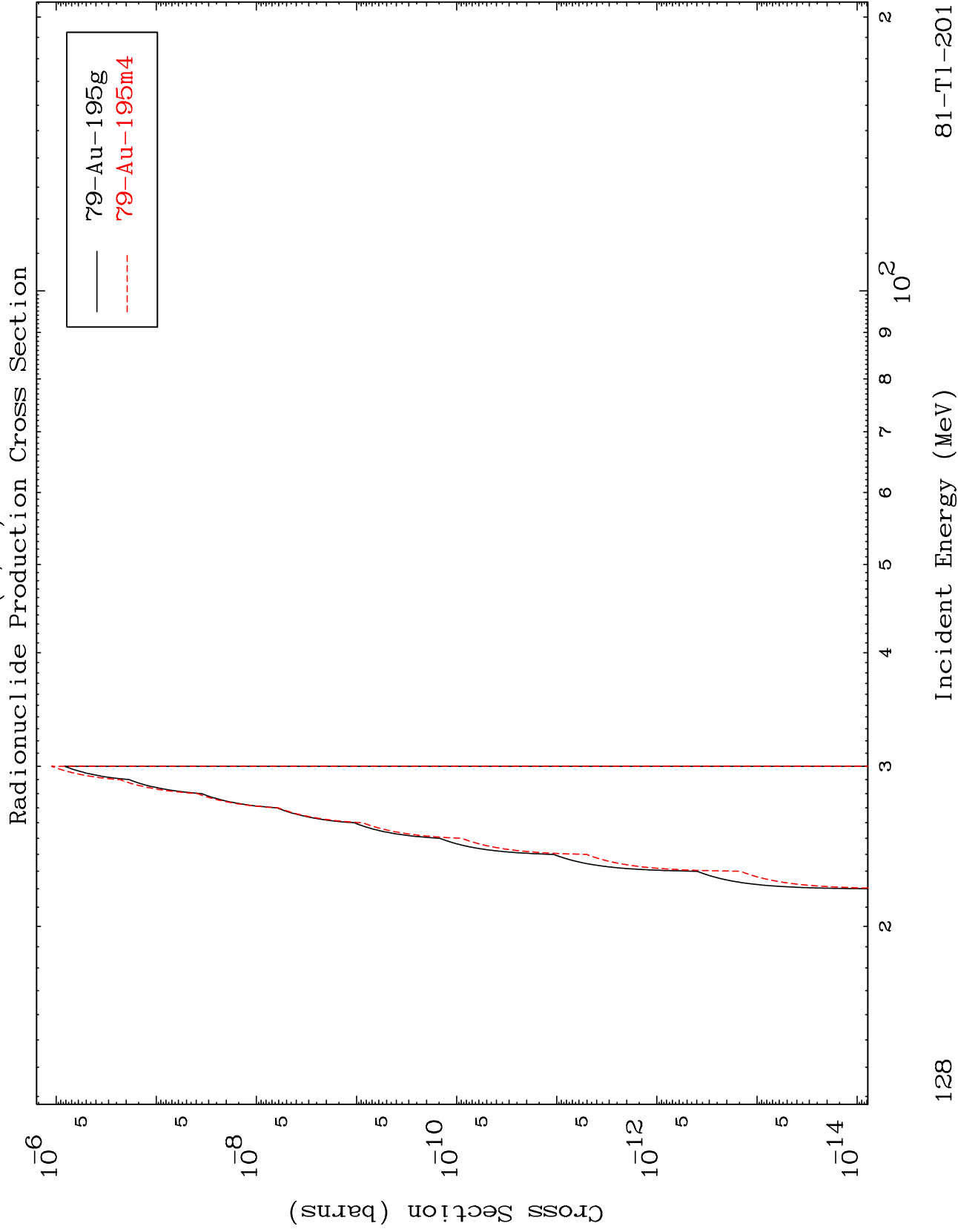
Radionuclide Production Cross Section



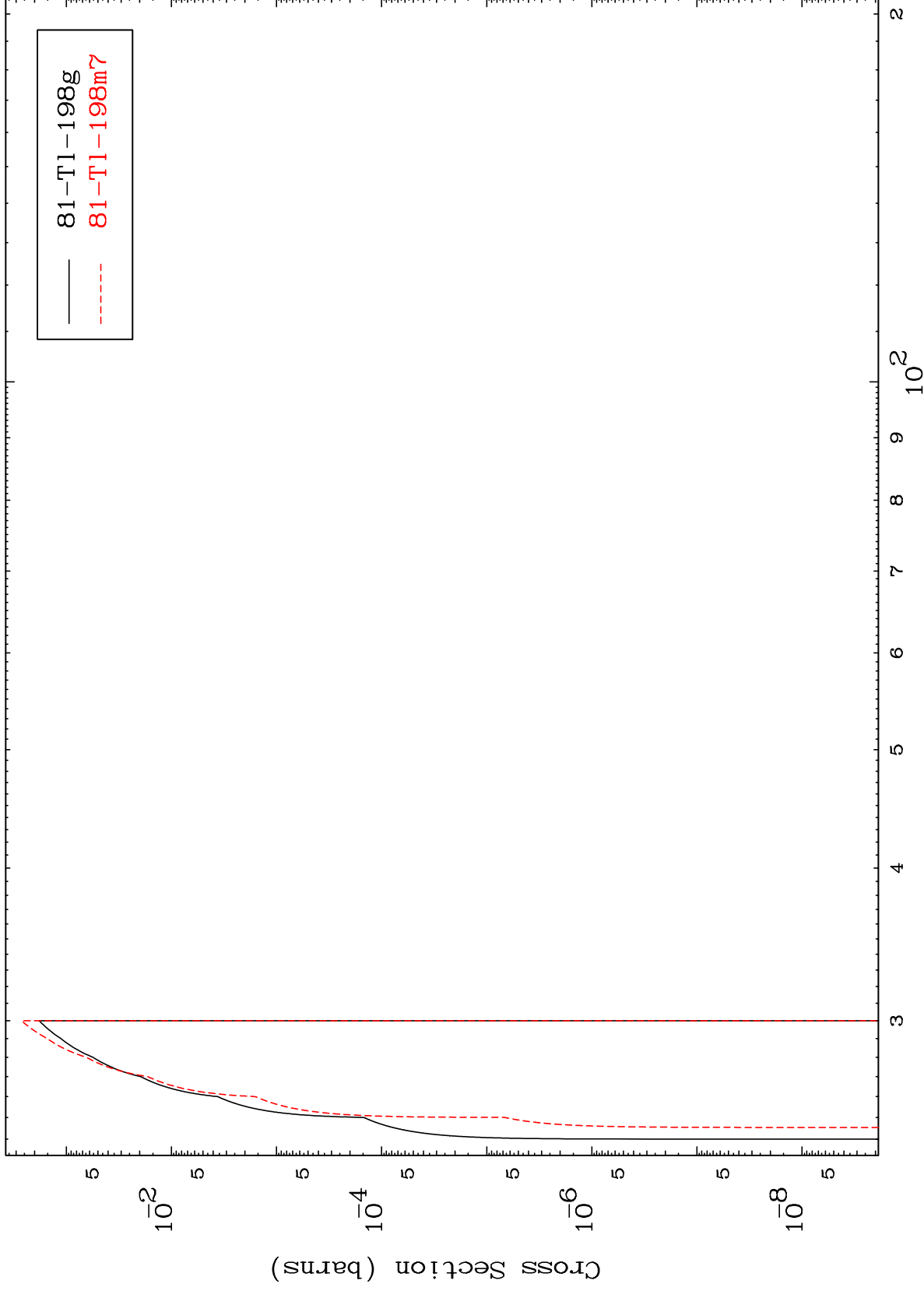
127

Incident Energy (MeV)

81-Tl-201



Radionuclide Production Cross Section



MAT 81119

(n,p)  $\alpha$

81-Tl-201

Radionuclide Production Cross Section

