

Program EVALPLOT  
(Version 2018-1)

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)

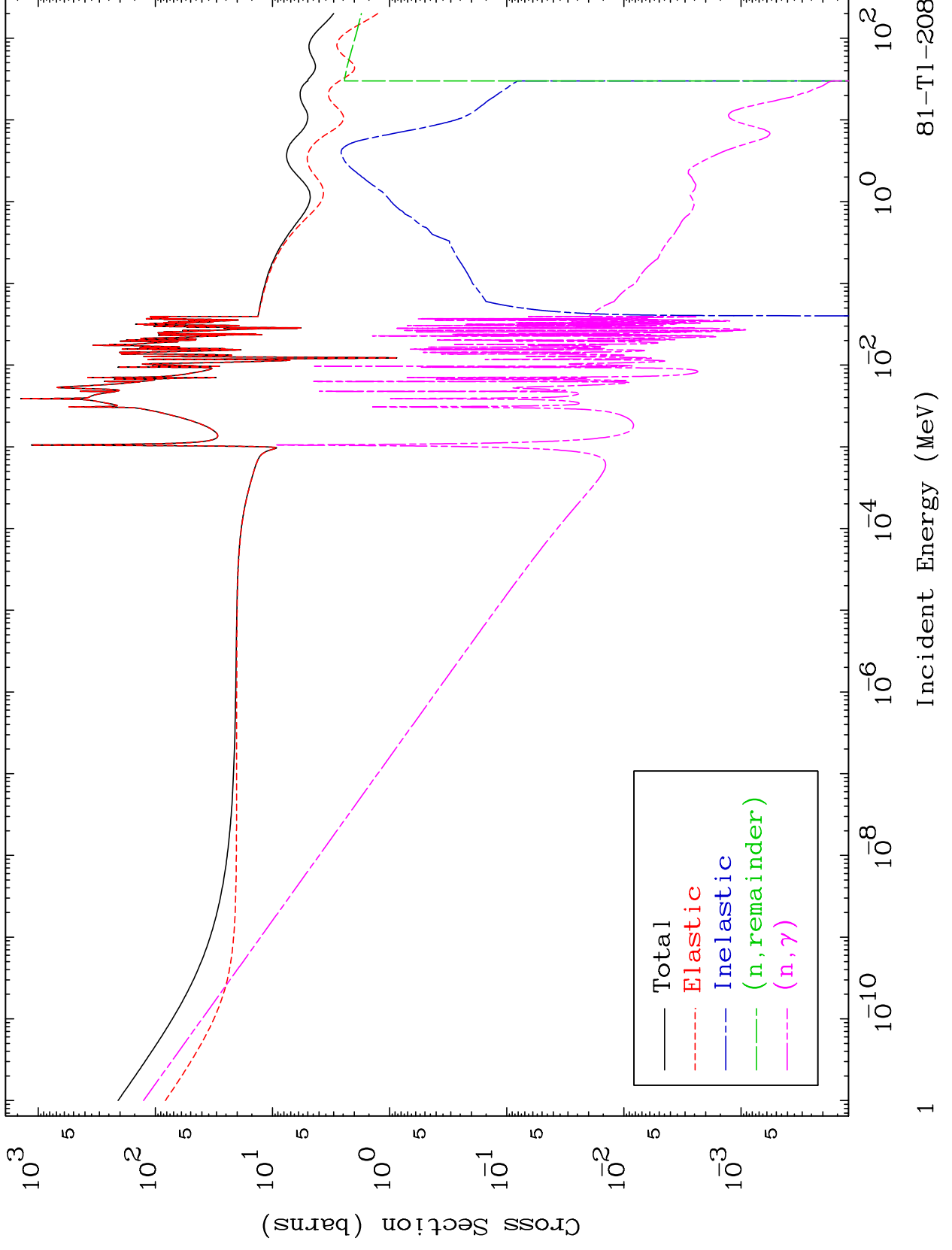
Press Mouse Button to Start

MAT 8140

Major

293 Kelvin Cross Sections

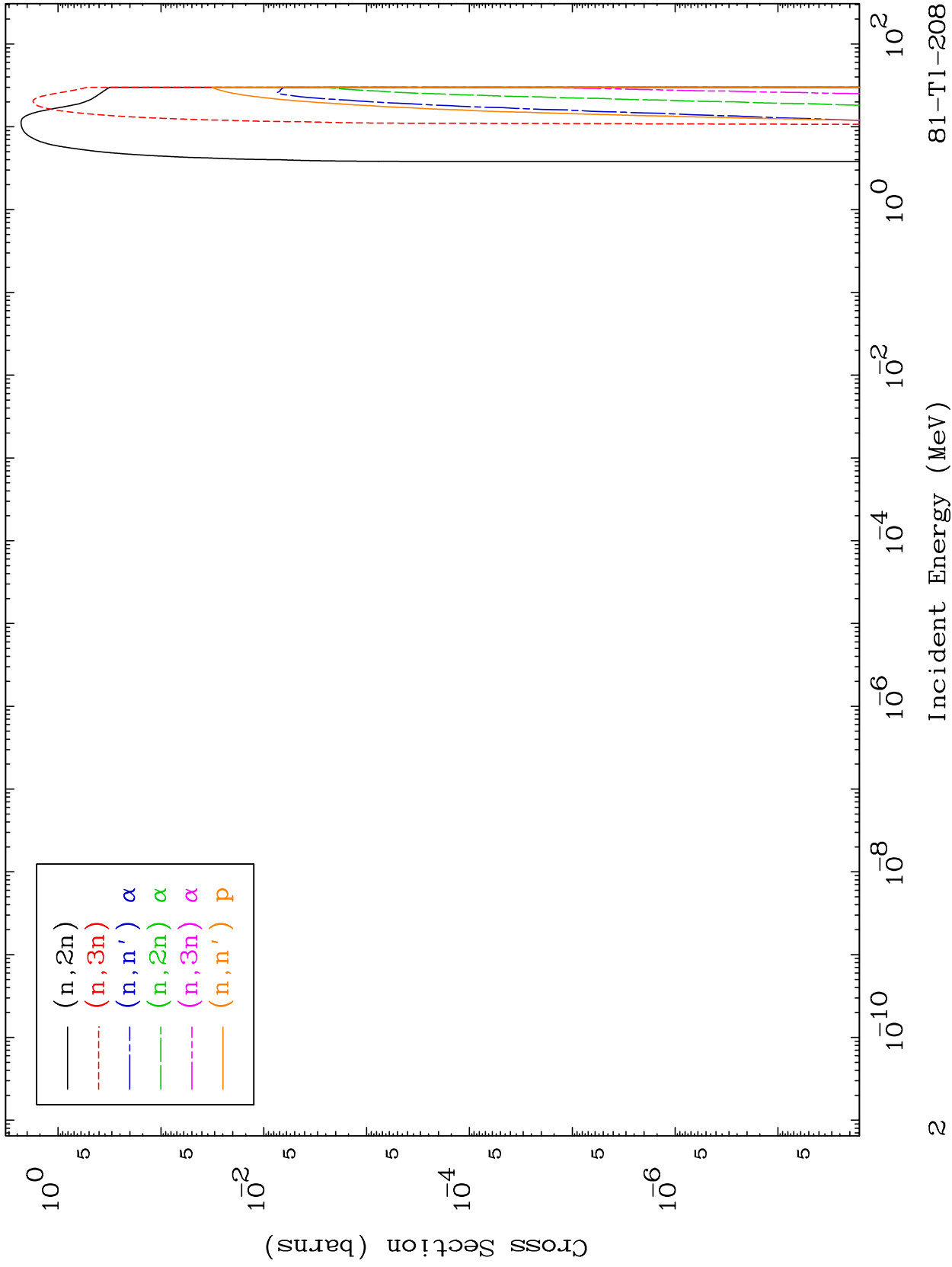
81-Tl-208

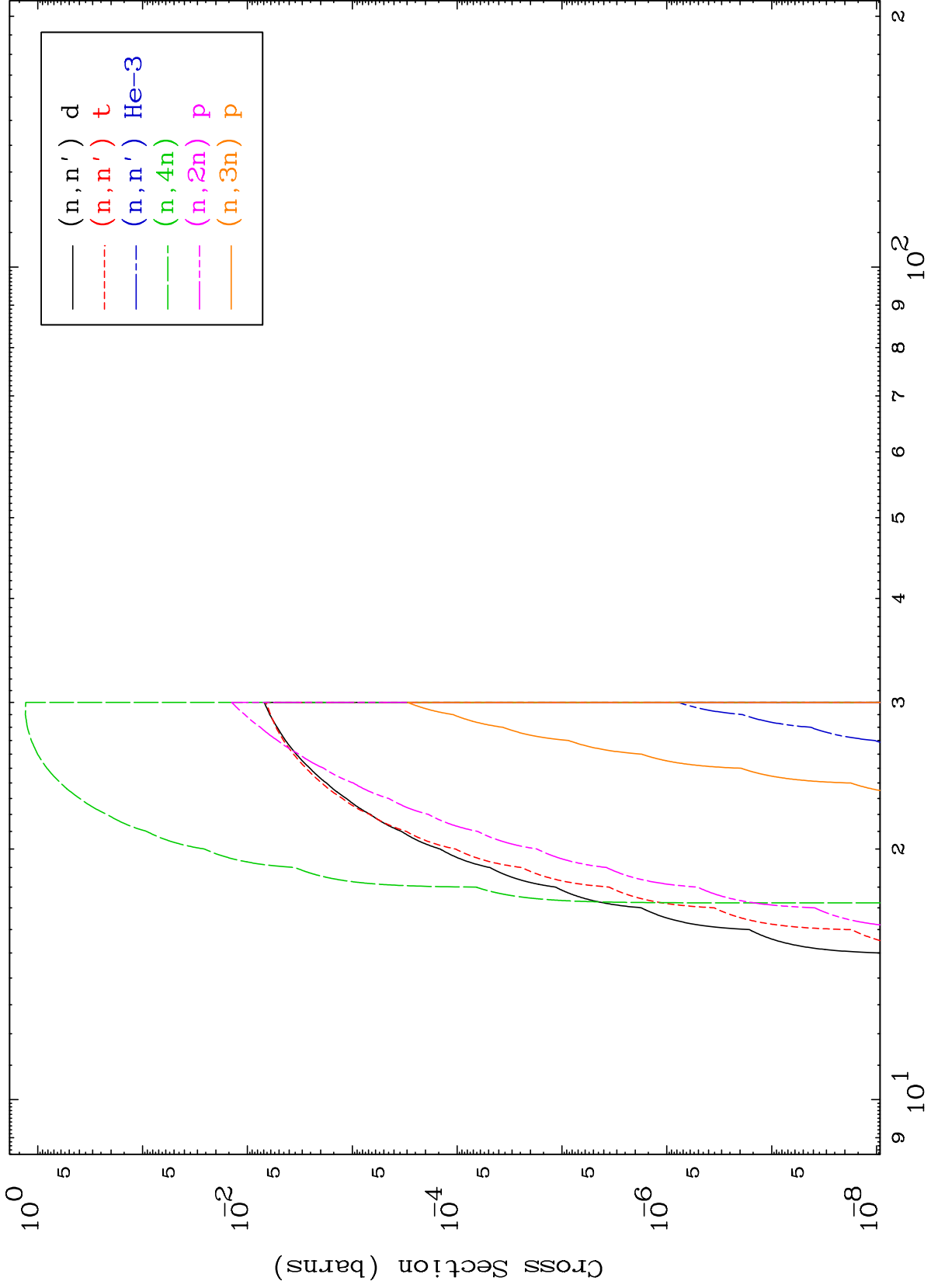


MAT 8140

Neutron Production  
293 Kelvin Cross Sections

81-Tl-208

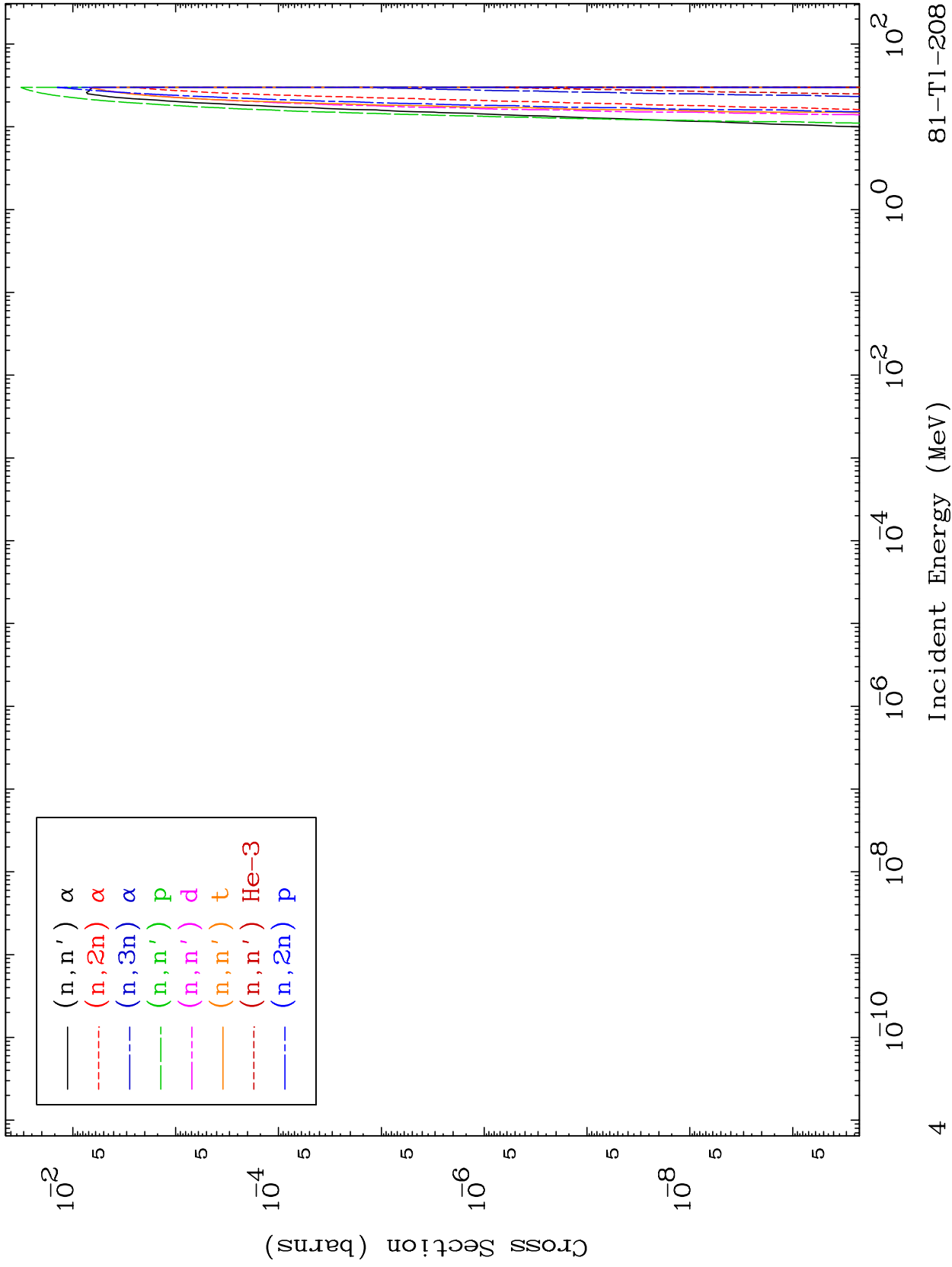




MAT 8140

Charged Particle  
293 Kelvin Cross Sections

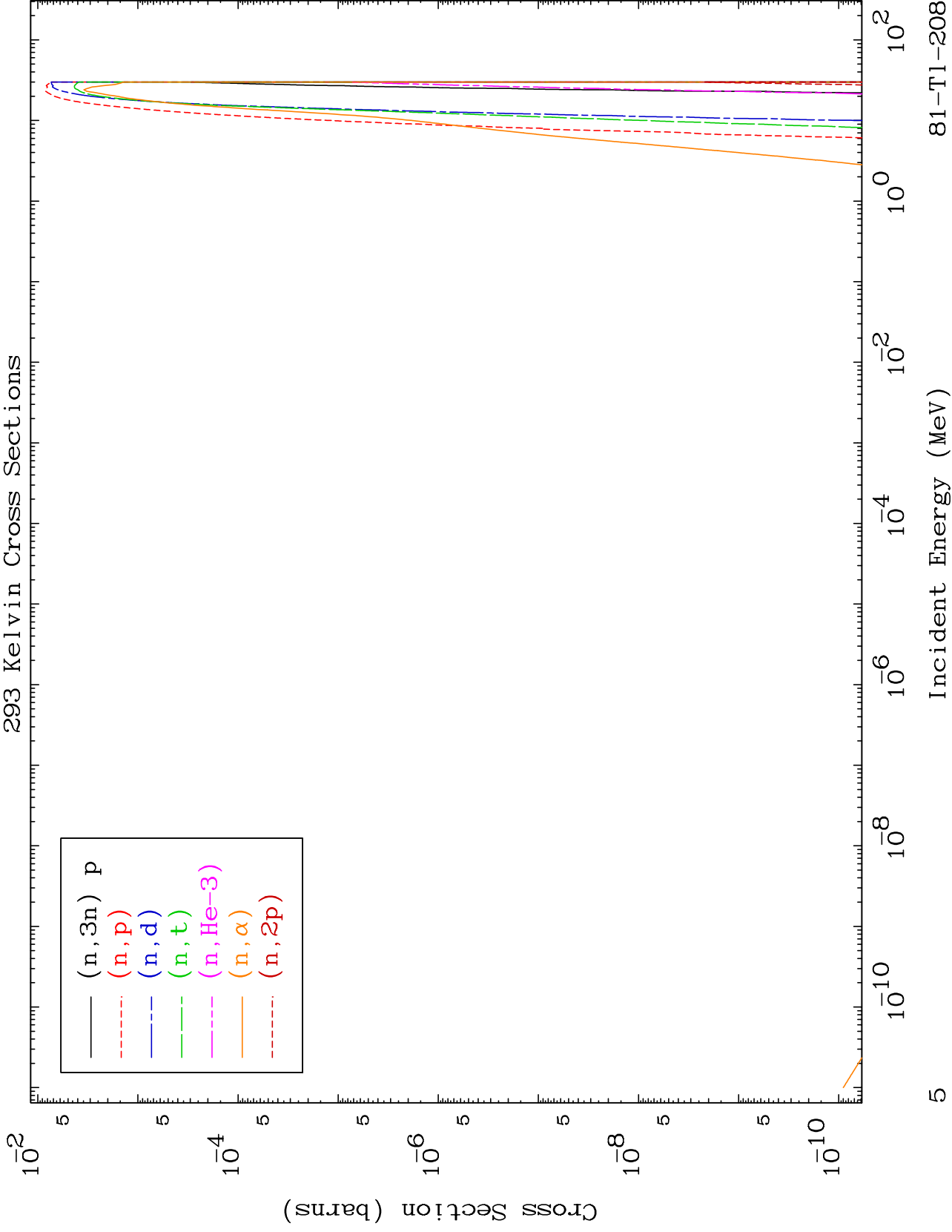
81-Tl-208



MAT 8140

Charged Particle  
293 Kelvin Cross Sections

81-Tl-208



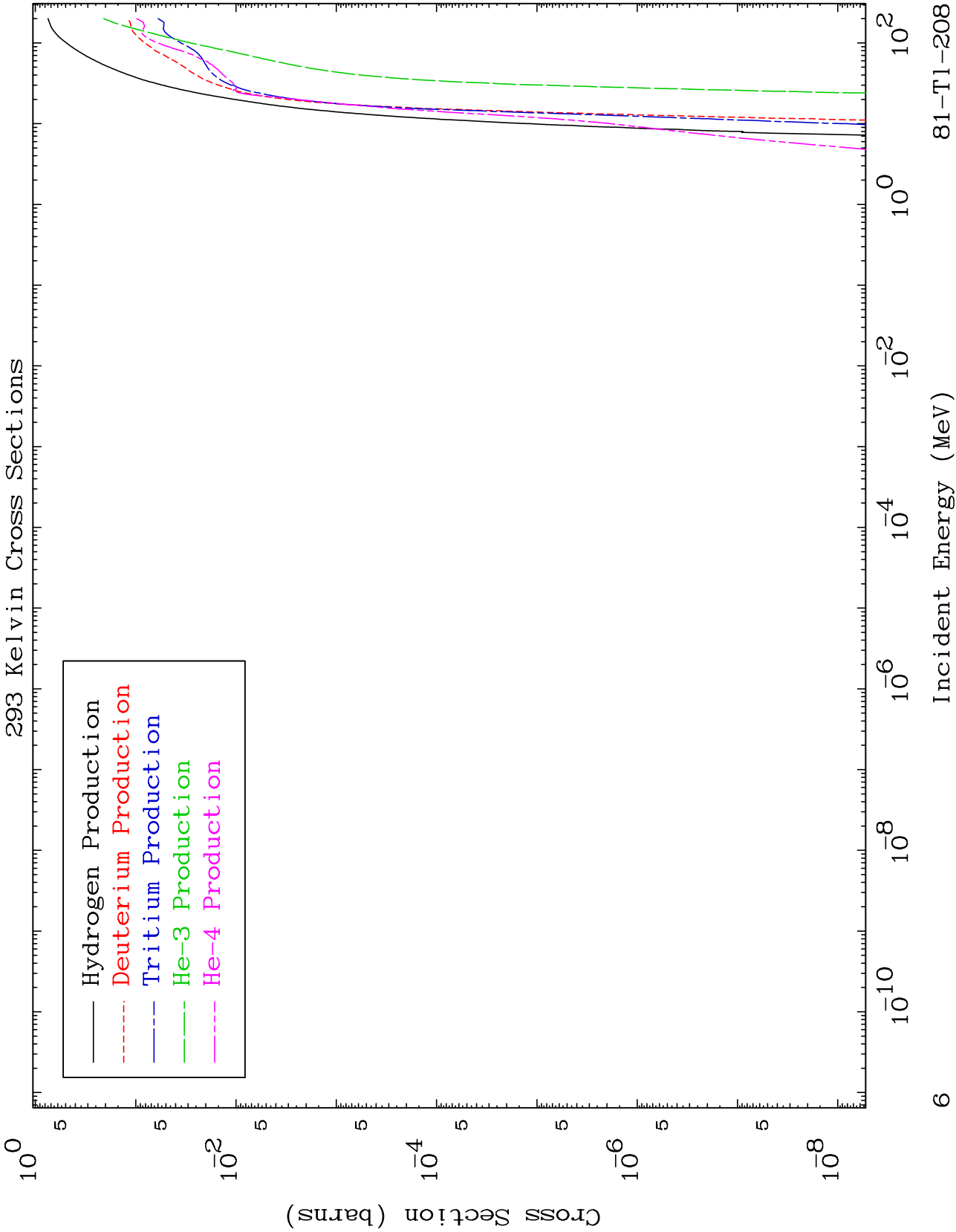
5

81-Tl-208

MAT 8140

Particle Production  
293 Kelvin Cross Sections

81-Tl-208

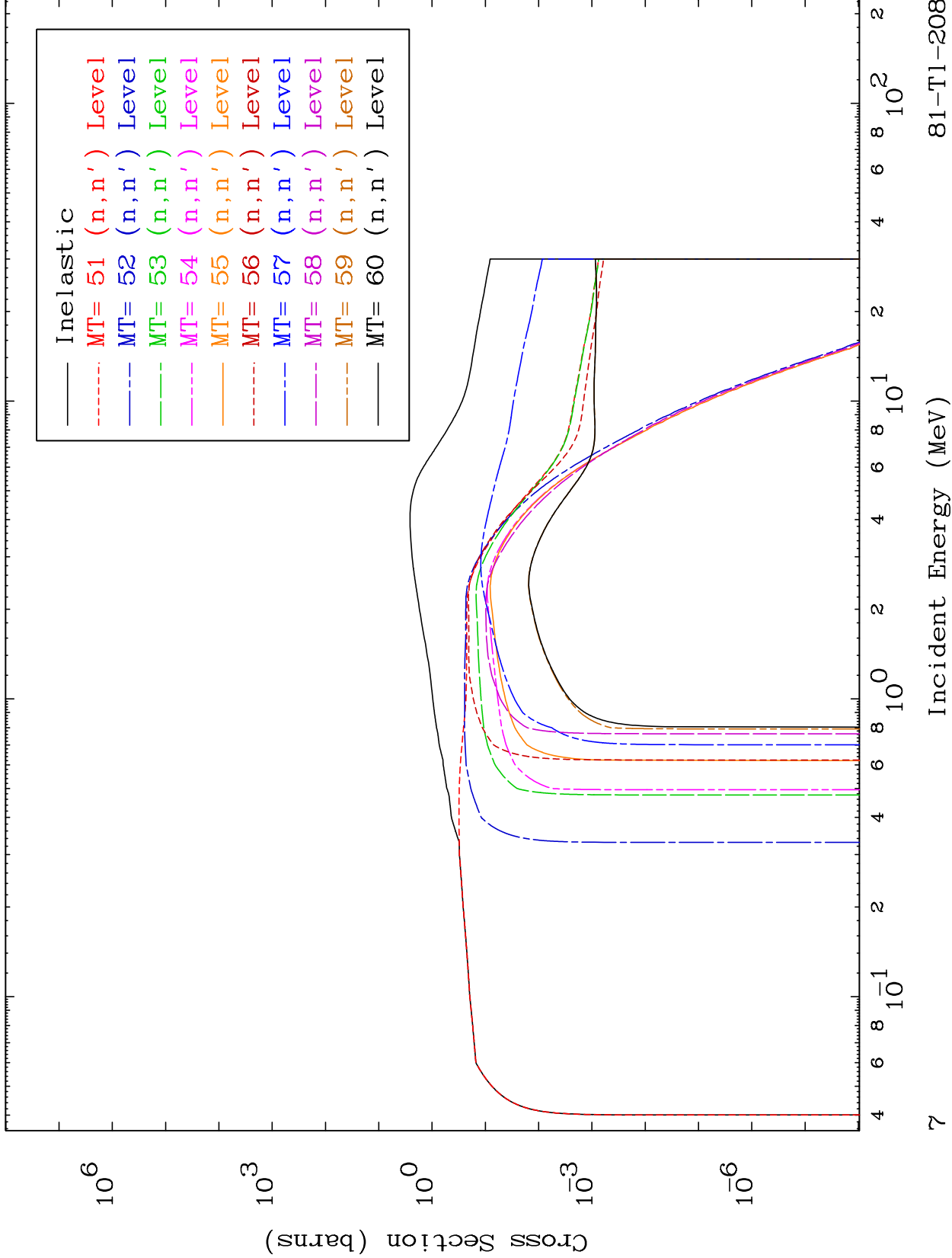


MAT 8140

(n,n') Level

81-Tl-208

293 Kelvin Cross Sections



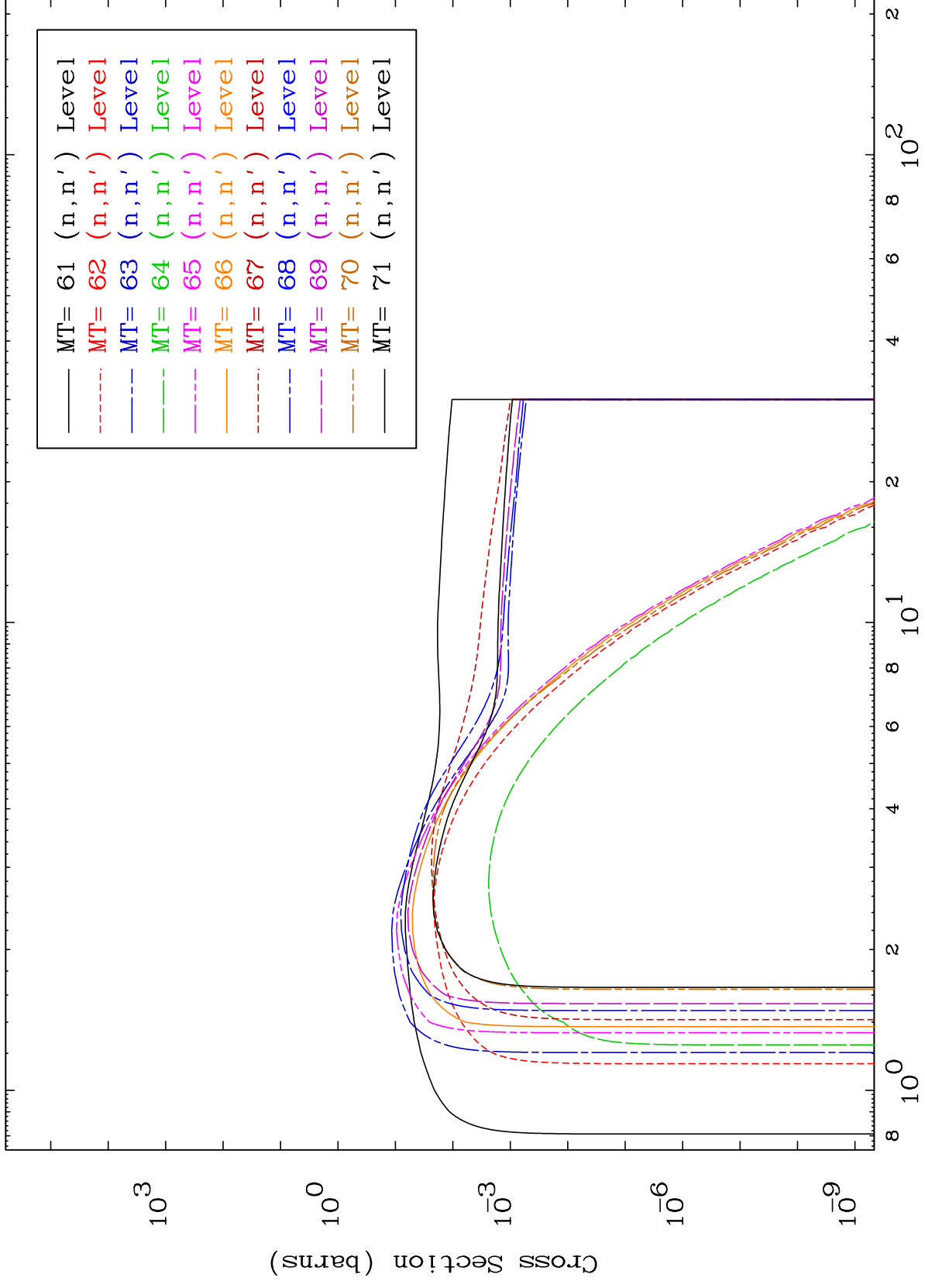


MAT 8140

(n,n') Level

81-Tl-208

293 Kelvin Cross Sections



Incident Energy (MeV)

81-Tl-208

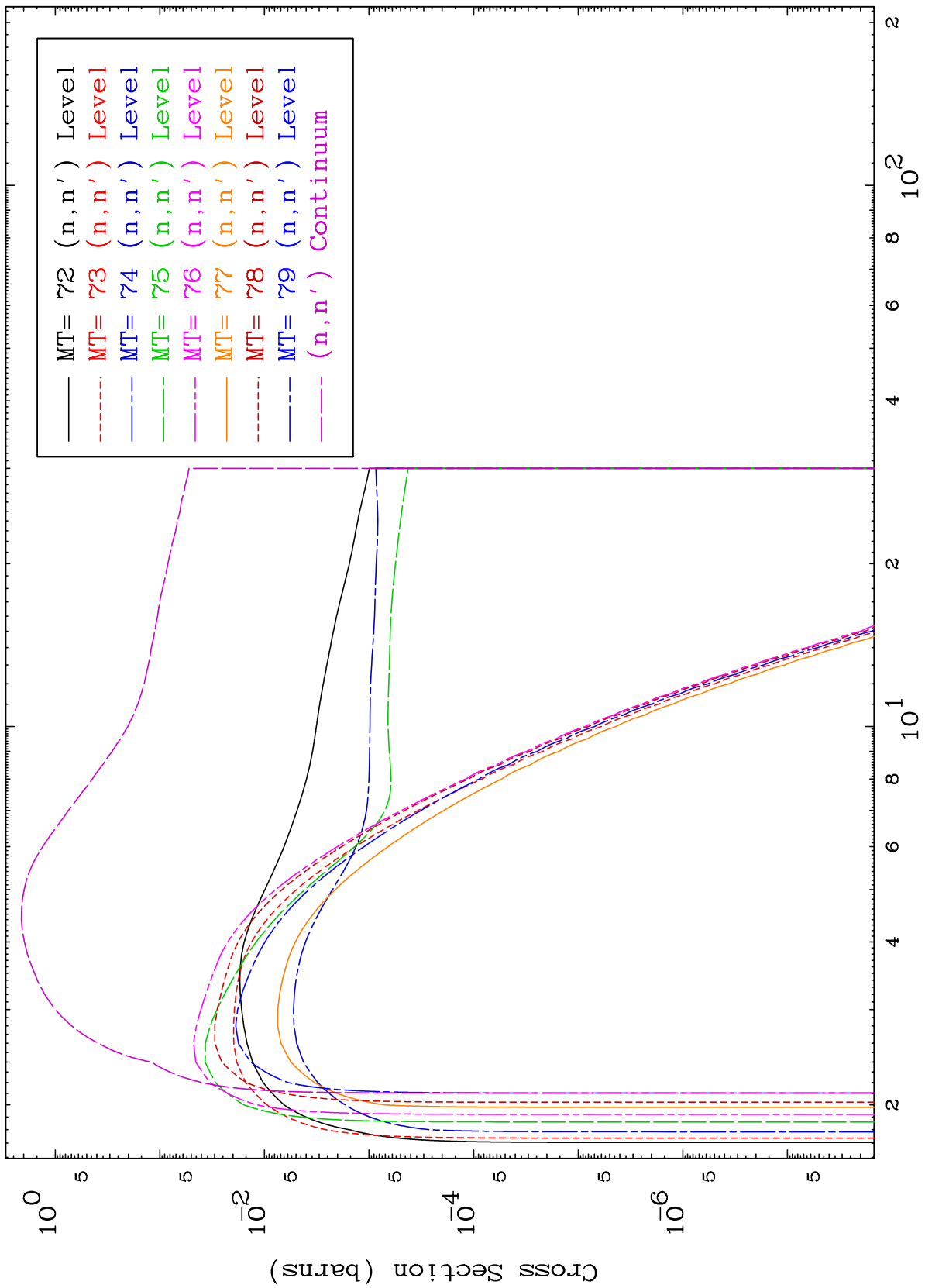
8

MAT 8140

(n,n') Level

81-Tl-208

293 Kelvin Cross Sections



9

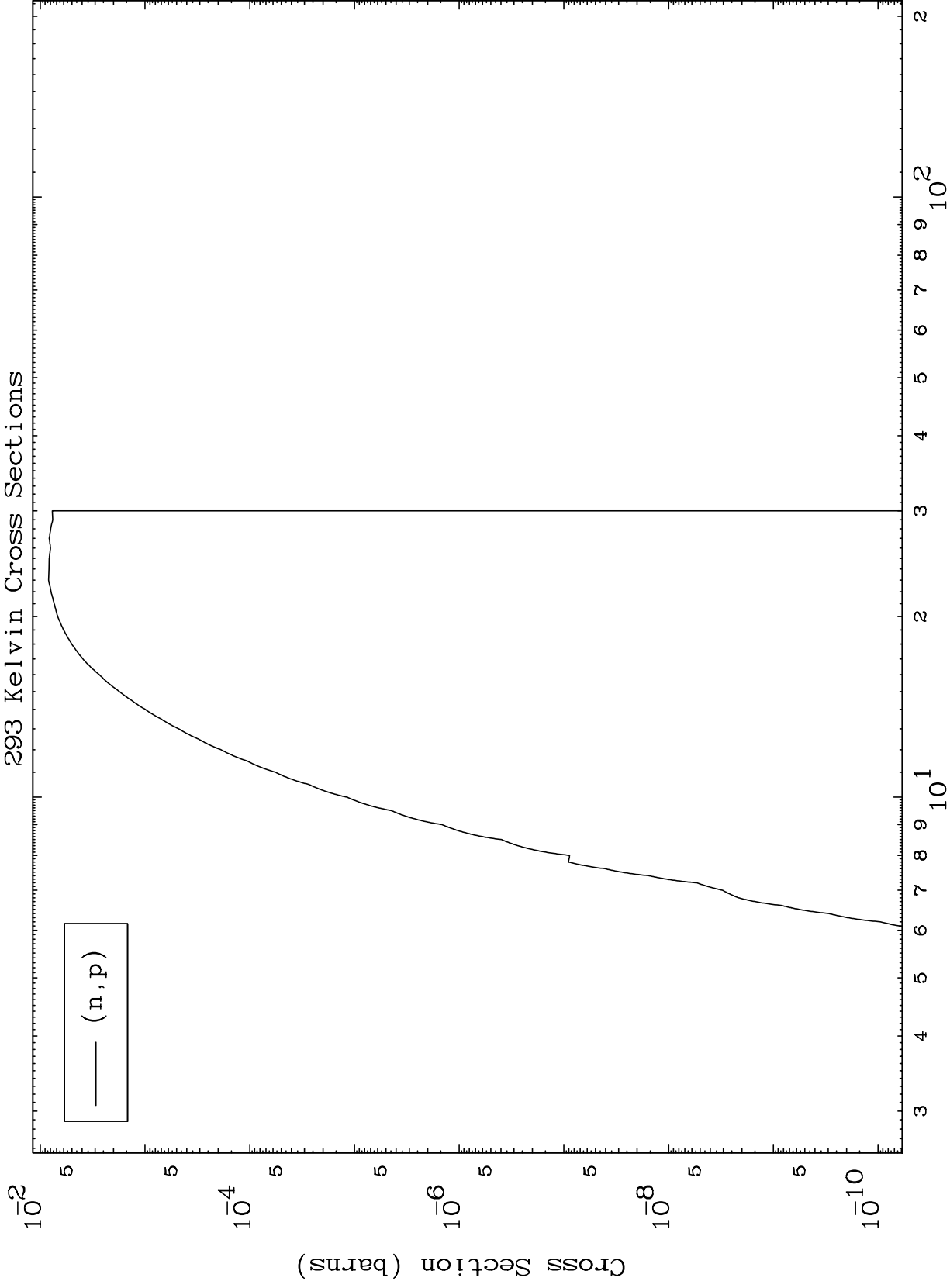
Incident Energy (MeV)

81-Tl-208

MAT 8140

(n,p) Levels  
293 Kelvin Cross Sections

81-Tl-208



10

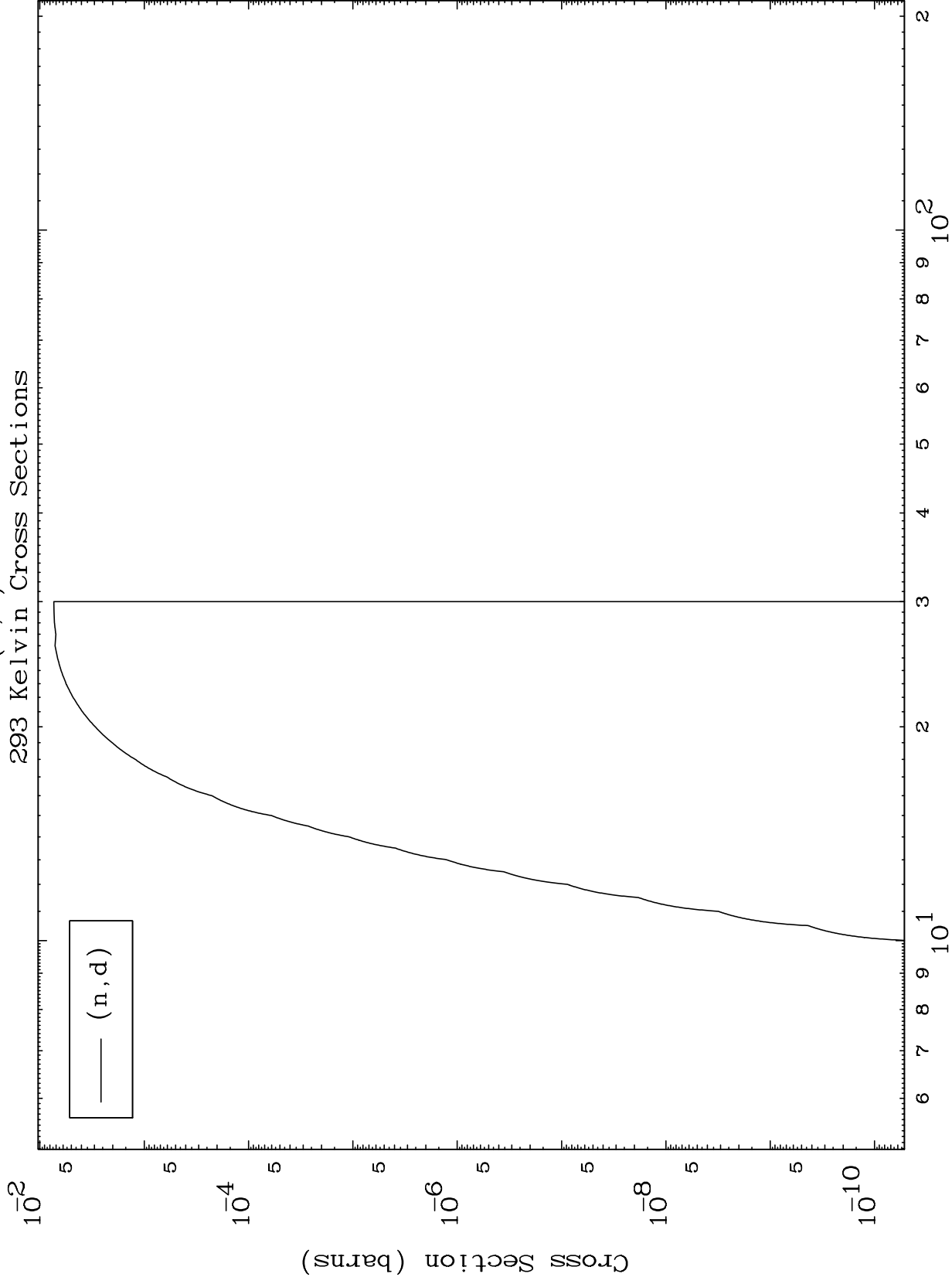
Incident Energy (MeV)

81-Tl-208

MAT 8140

(n,d) Levels  
293 Kelvin Cross Sections

81-T1-208



11

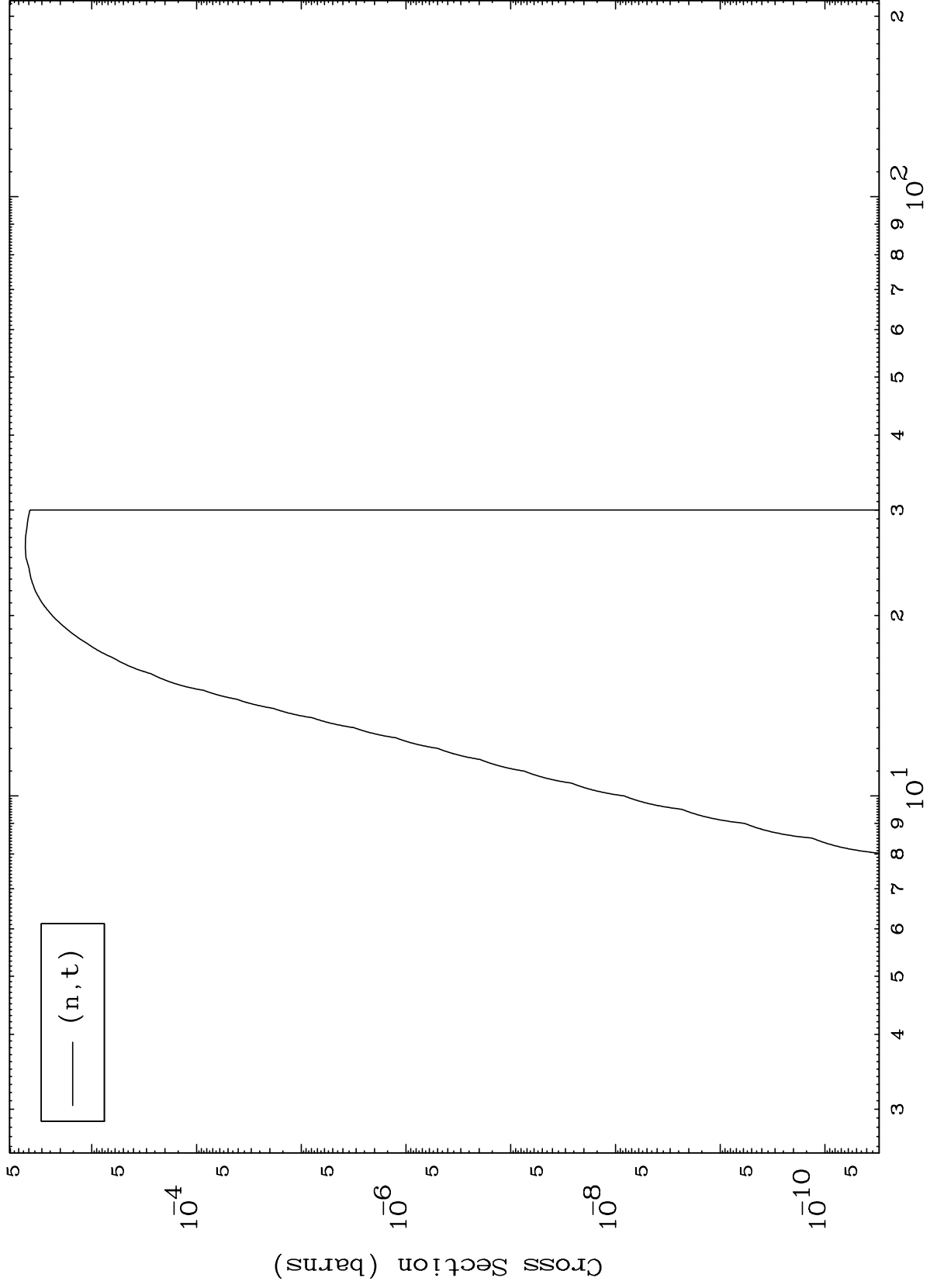
Incident Energy (MeV)

81-T1-208

MAT 8140

(n,t) Levels  
293 Kelvin Cross Sections

81-T1-208



12

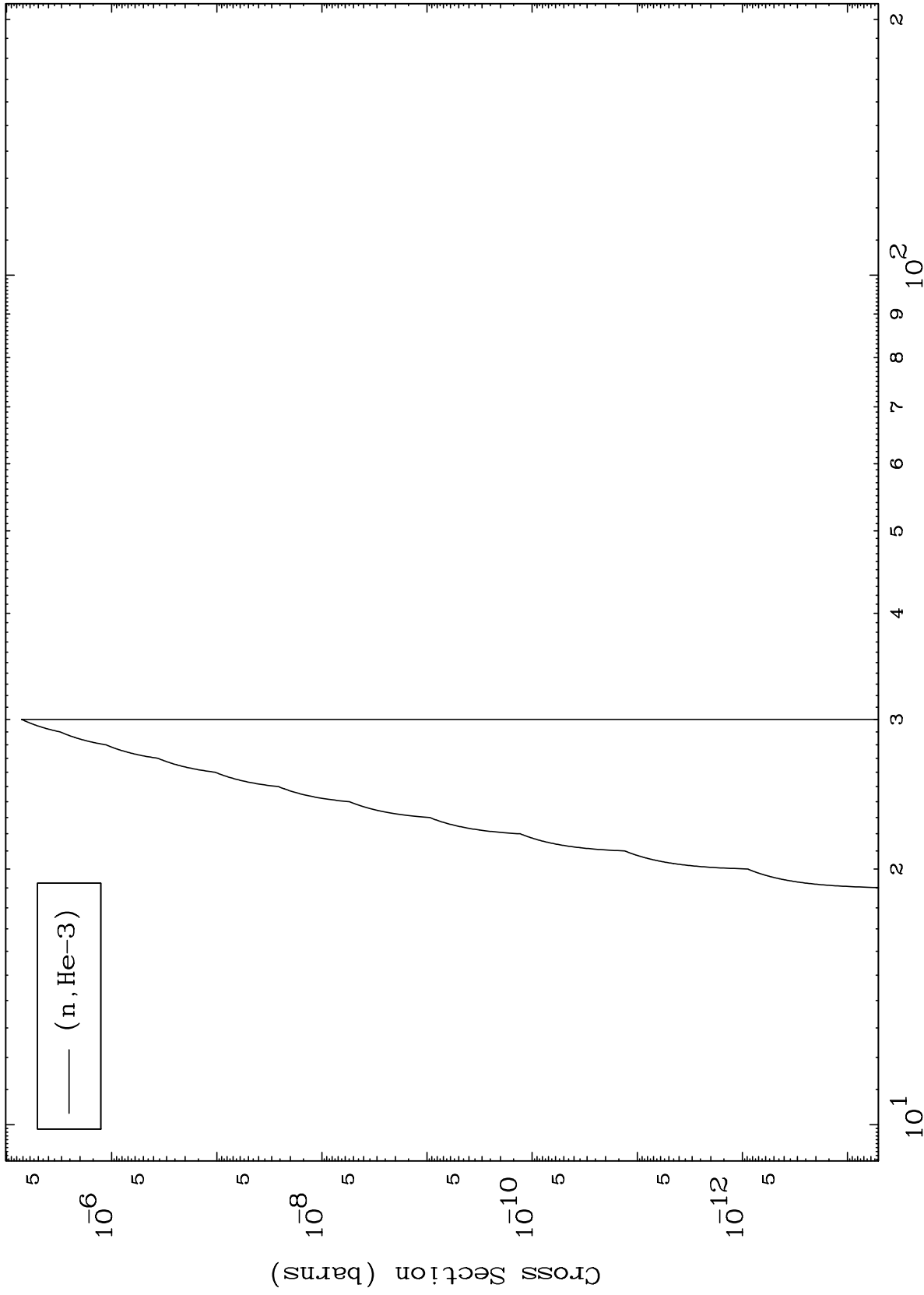
Incident Energy (MeV)

81-T1-208

MAT 8140

(n,He3) Levels  
293 Kelvin Cross Sections

81-T1-208



13

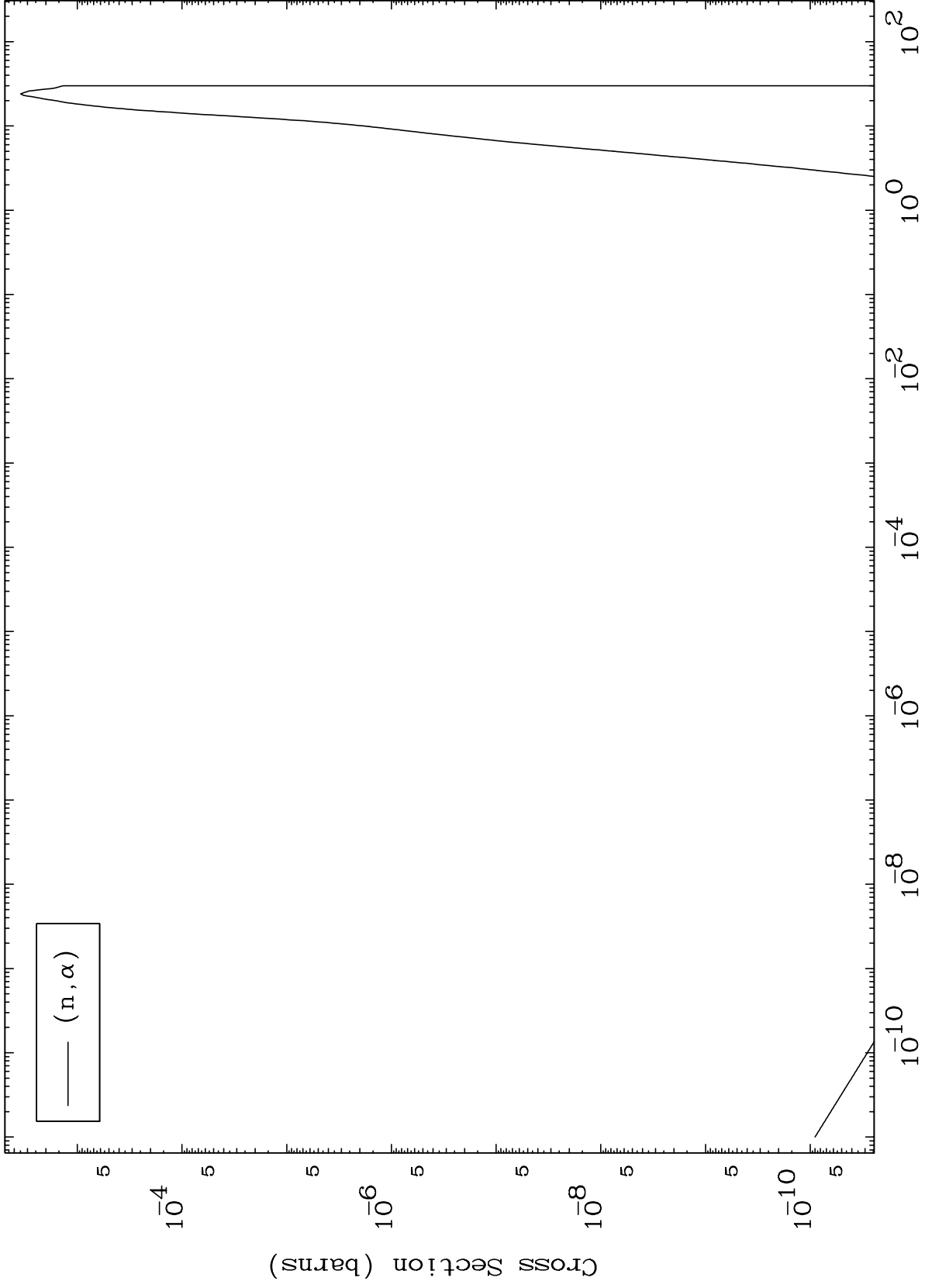
Incident Energy (MeV)

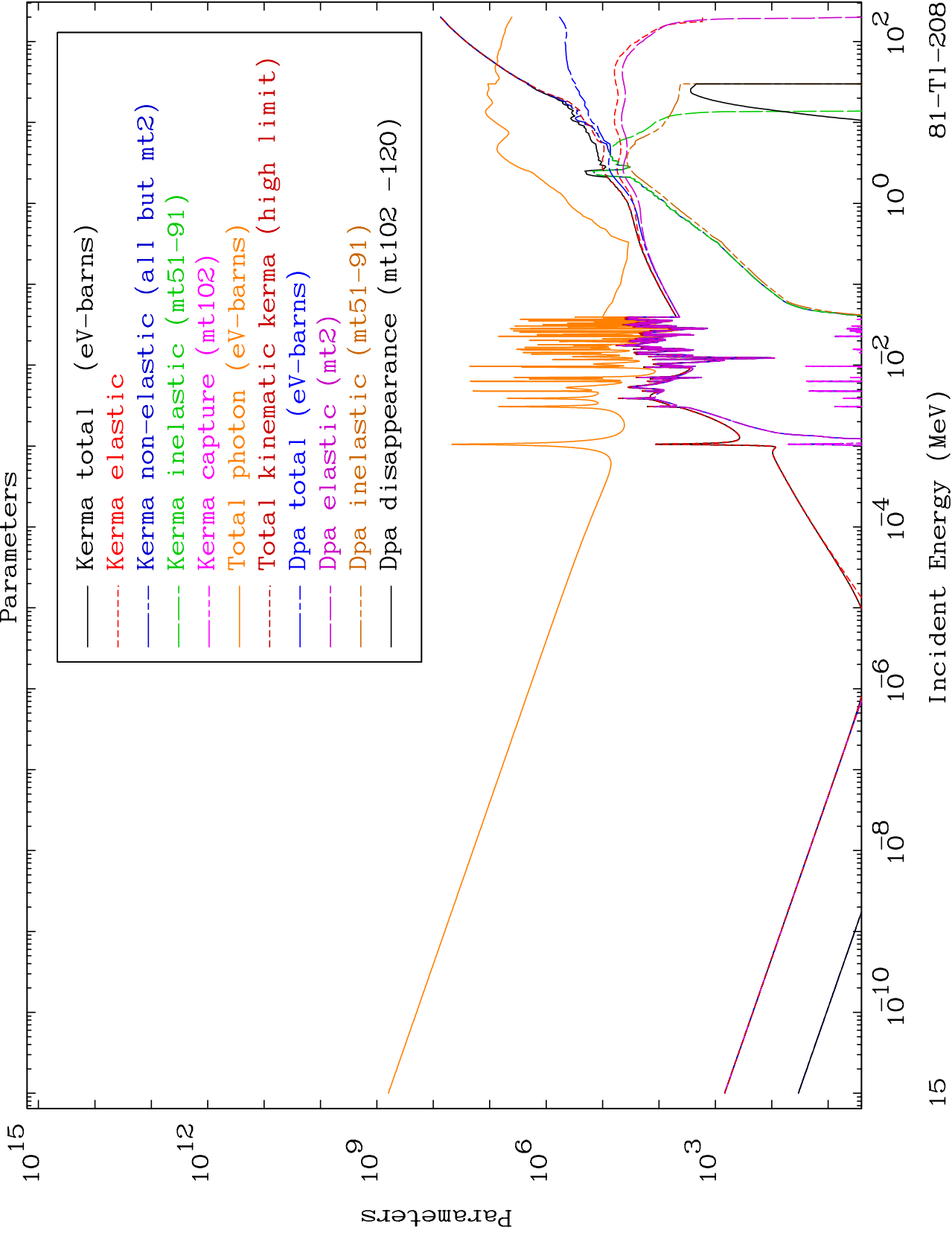
81-T1-208

MAT 8140

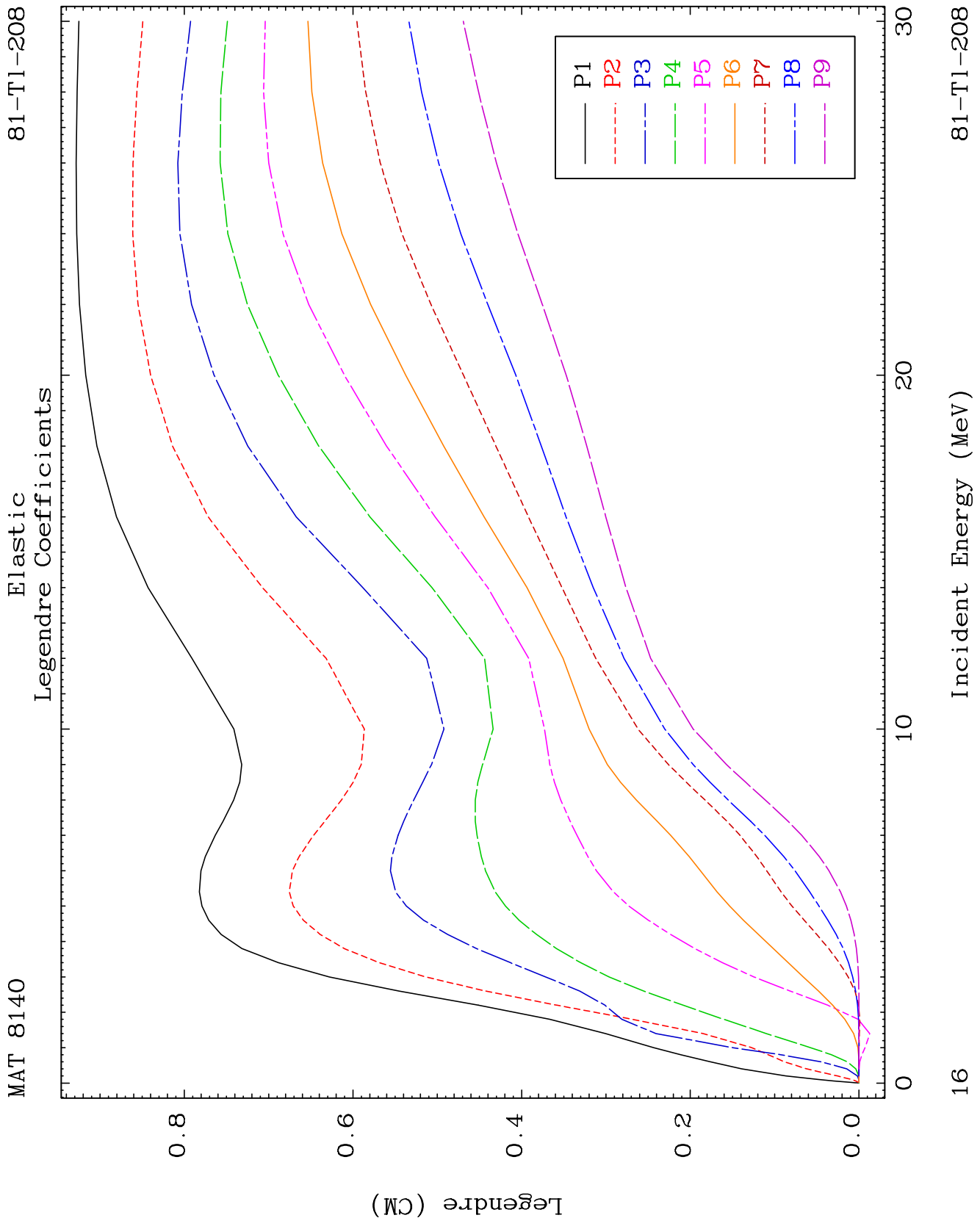
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

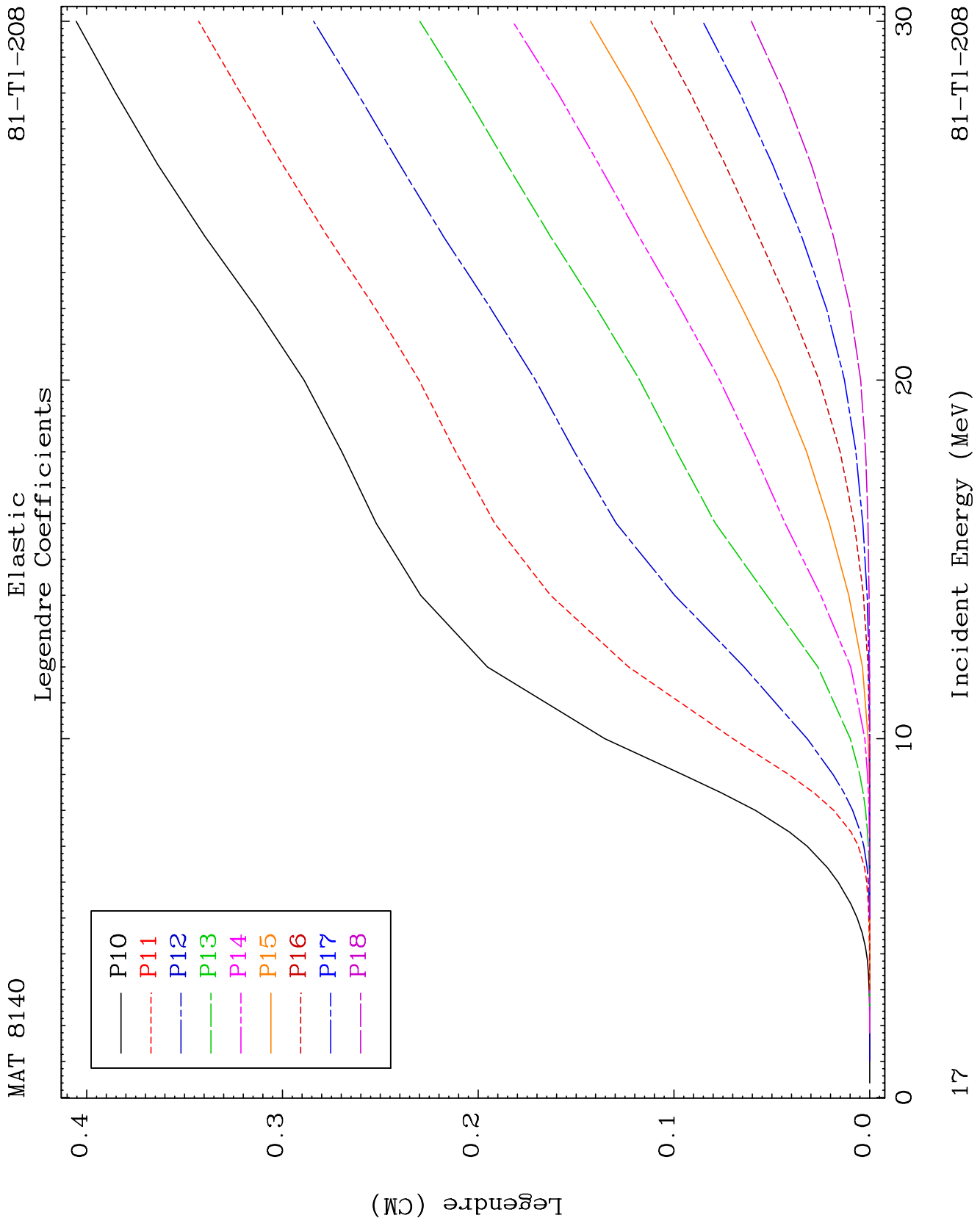
81-Tl-208







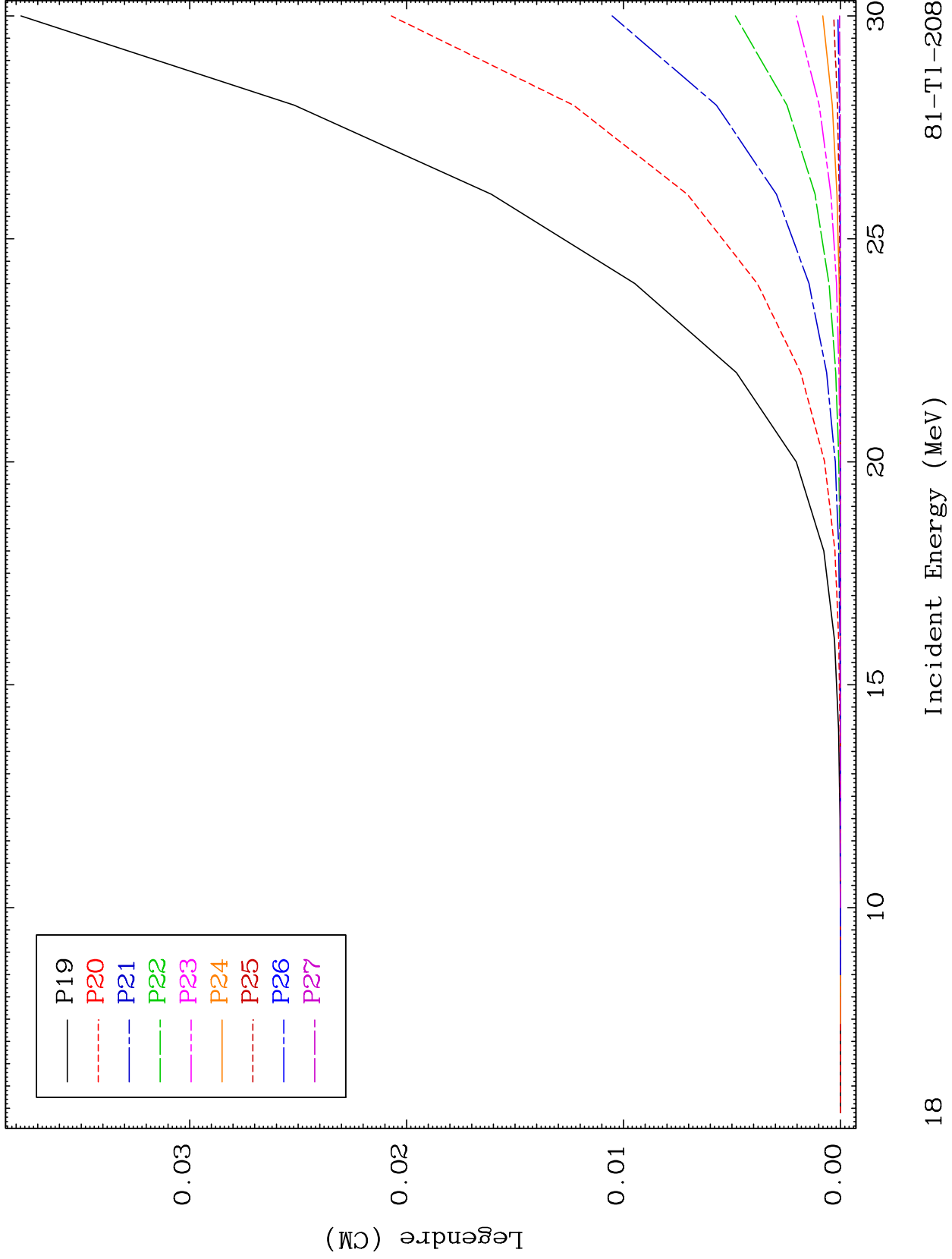


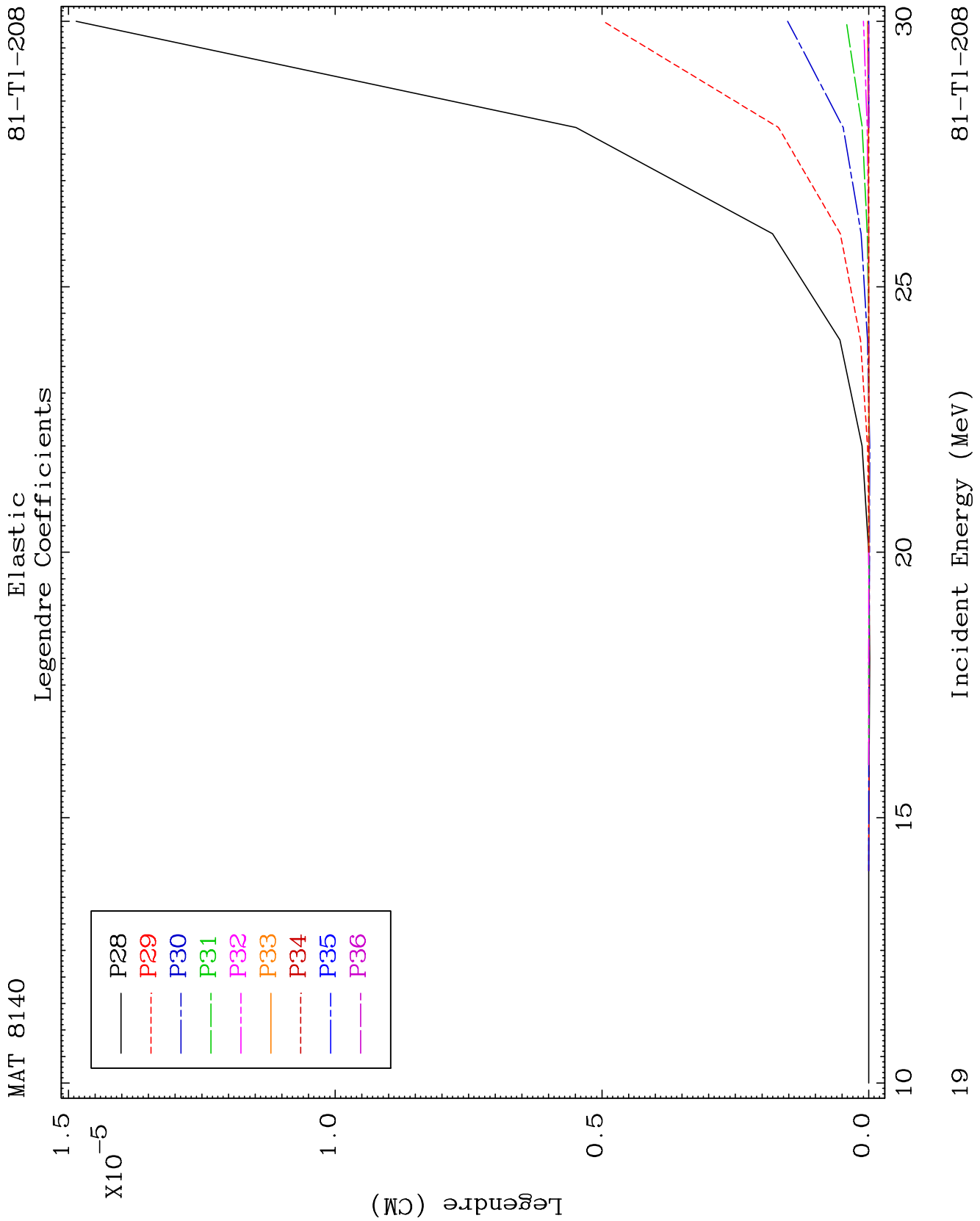


MAT 8140

### Elastic Legendre Coefficients

81-T1-208

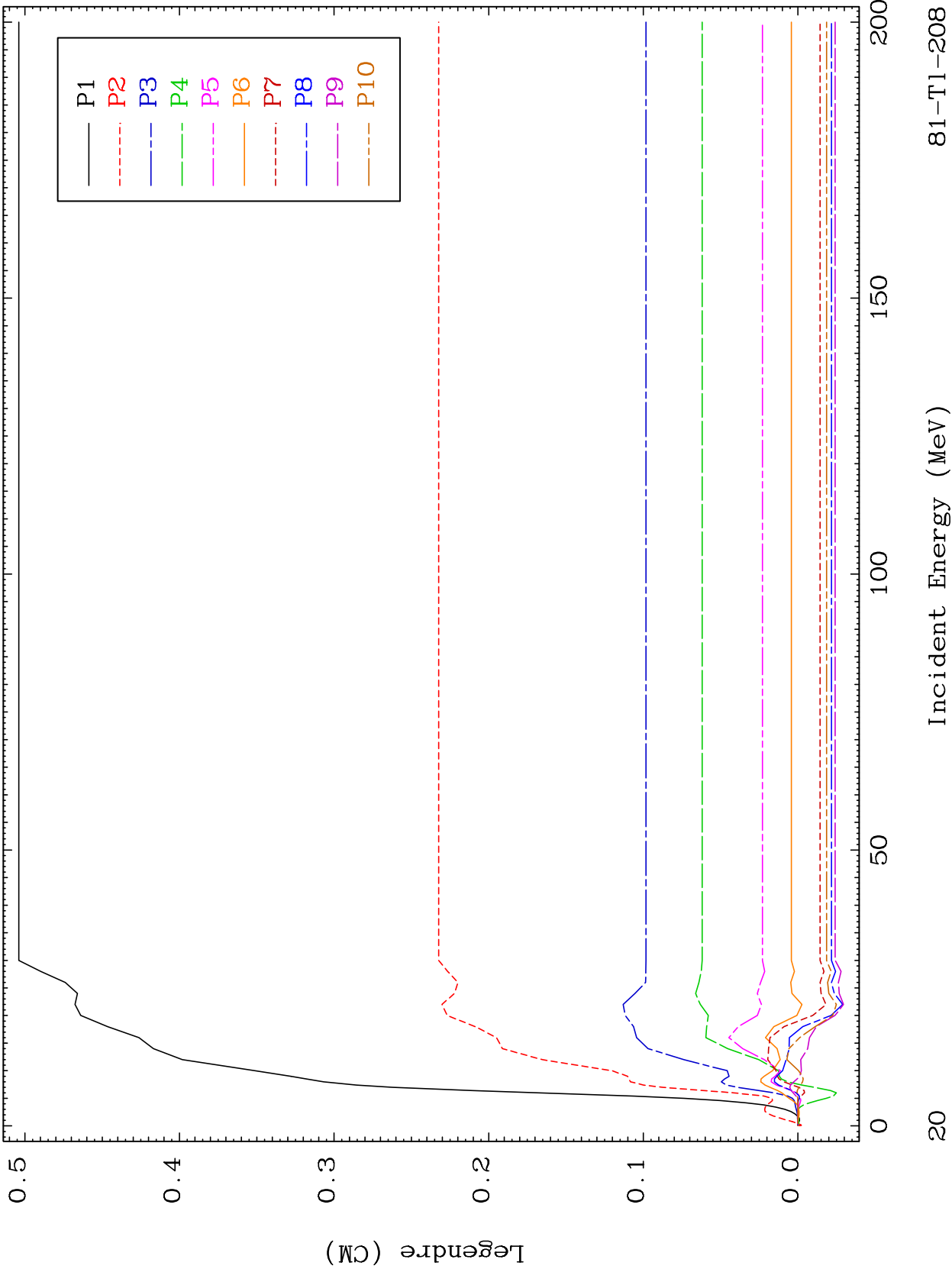


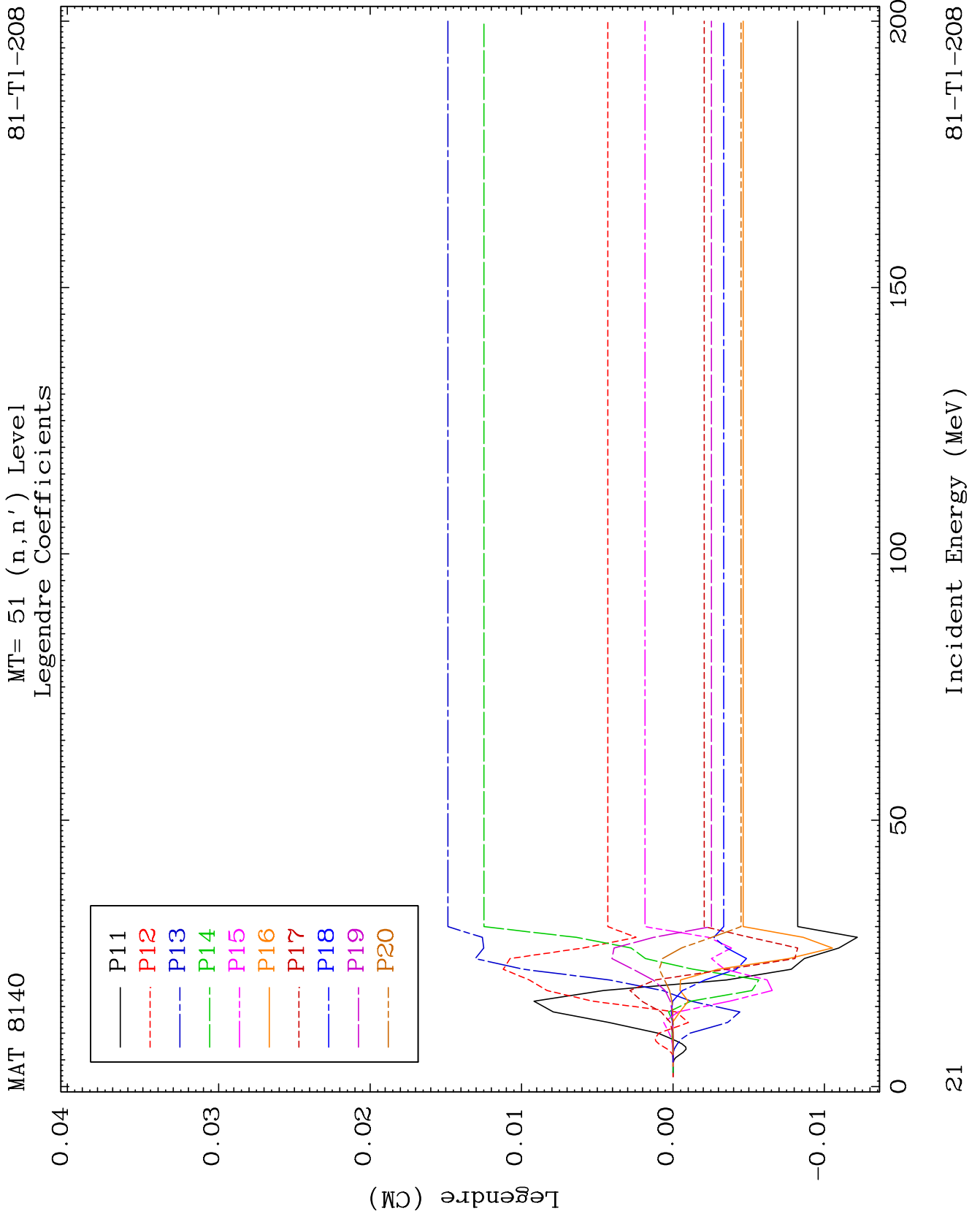


MAT 8140

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

81-T1-208

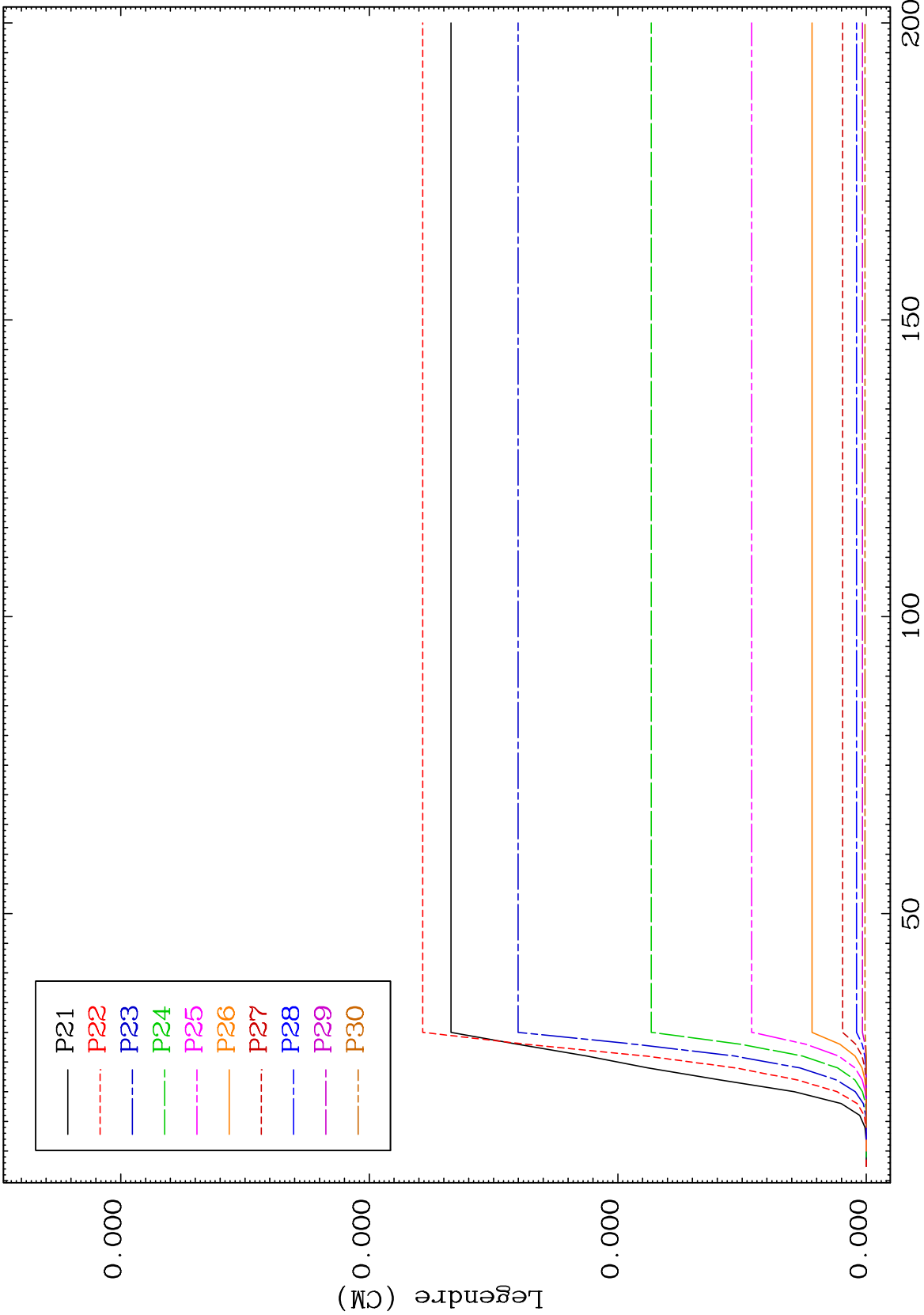




MAT 8140

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

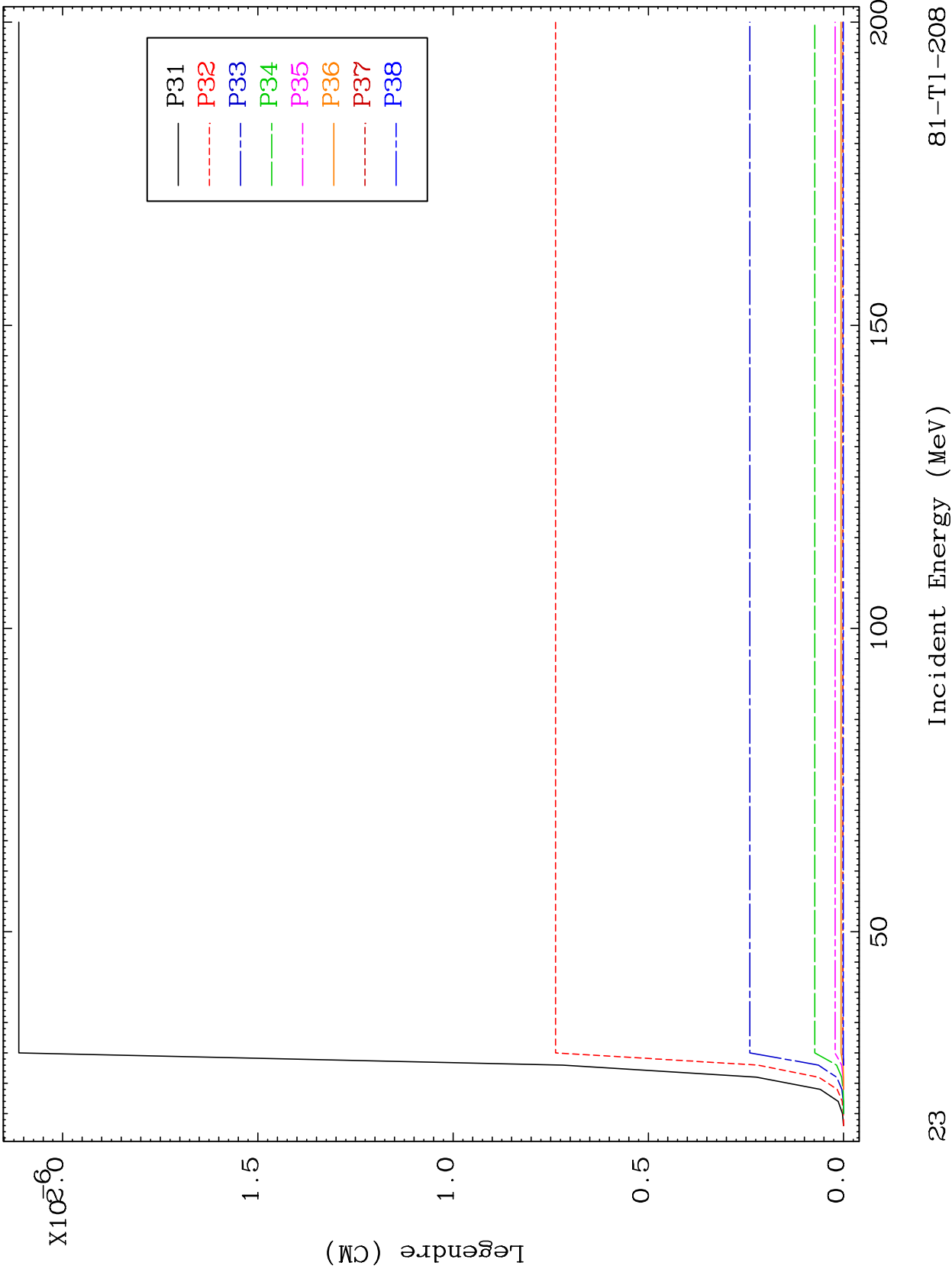
81-T1-208



22

Incident Energy (MeV)

81-T1-208

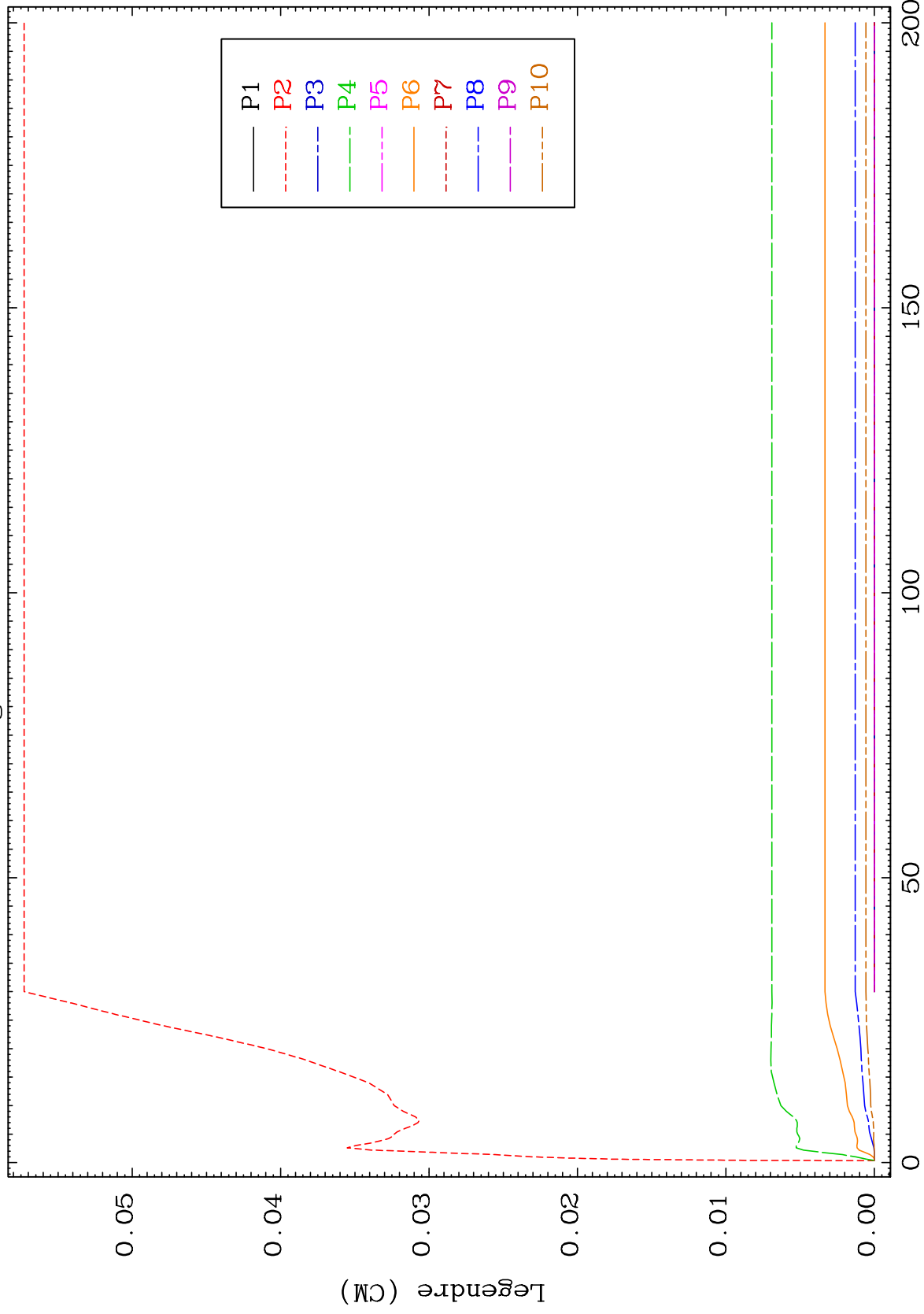




MAT 8140

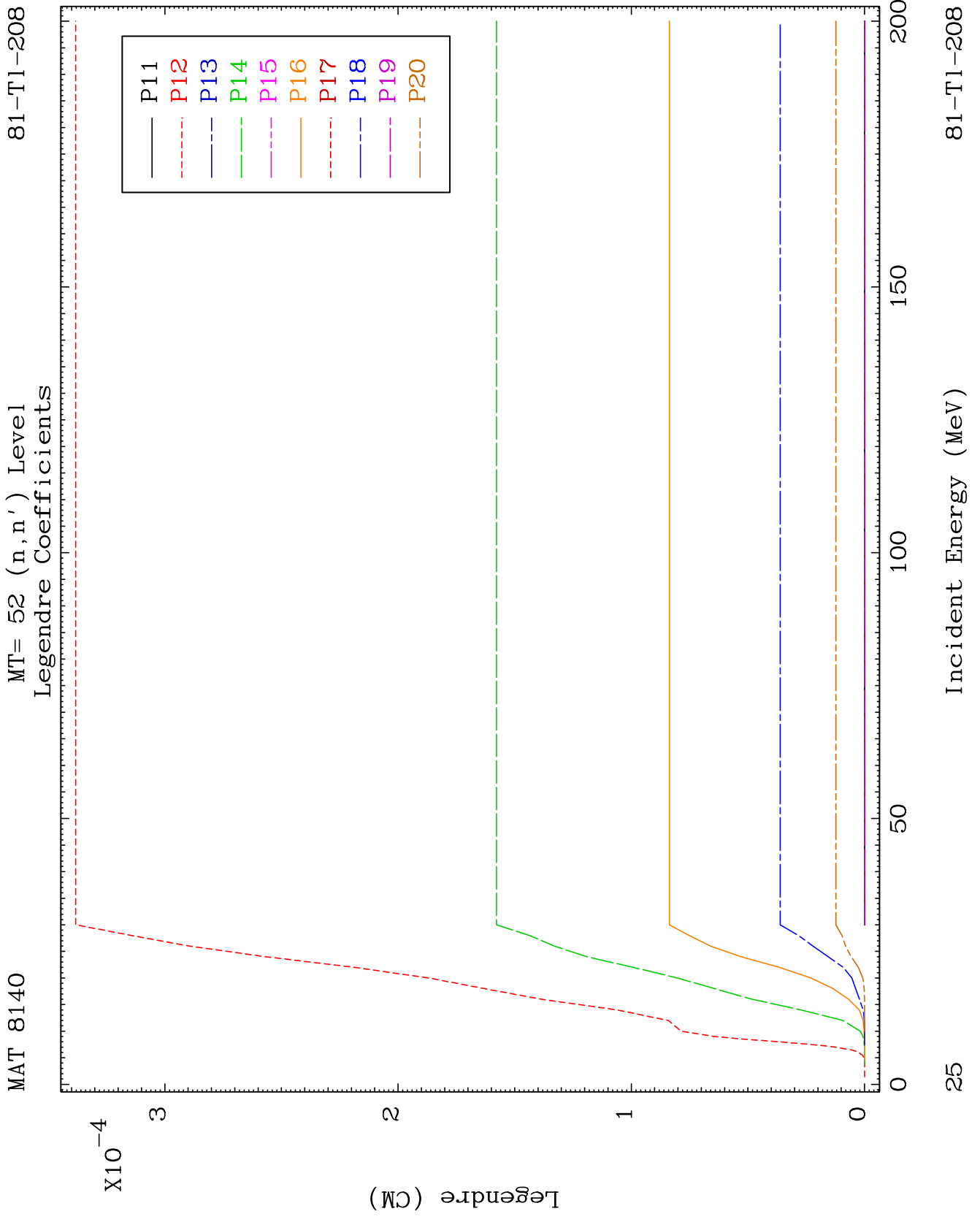
MT= 52 (n,n') Level  
Legendre Coefficients

81-T1-208



24

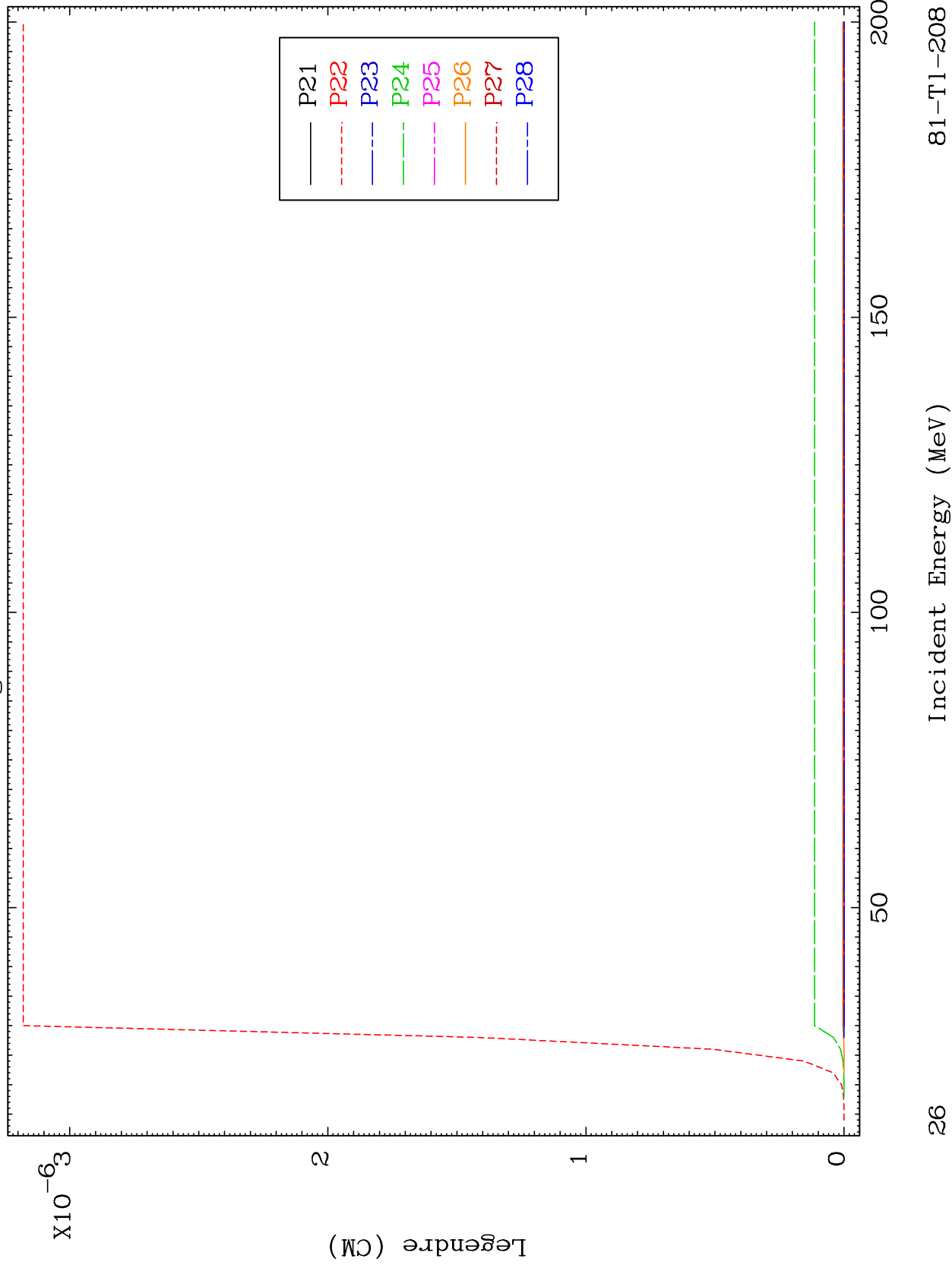
81-T1-208



MAT 8140

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

81-T1-208

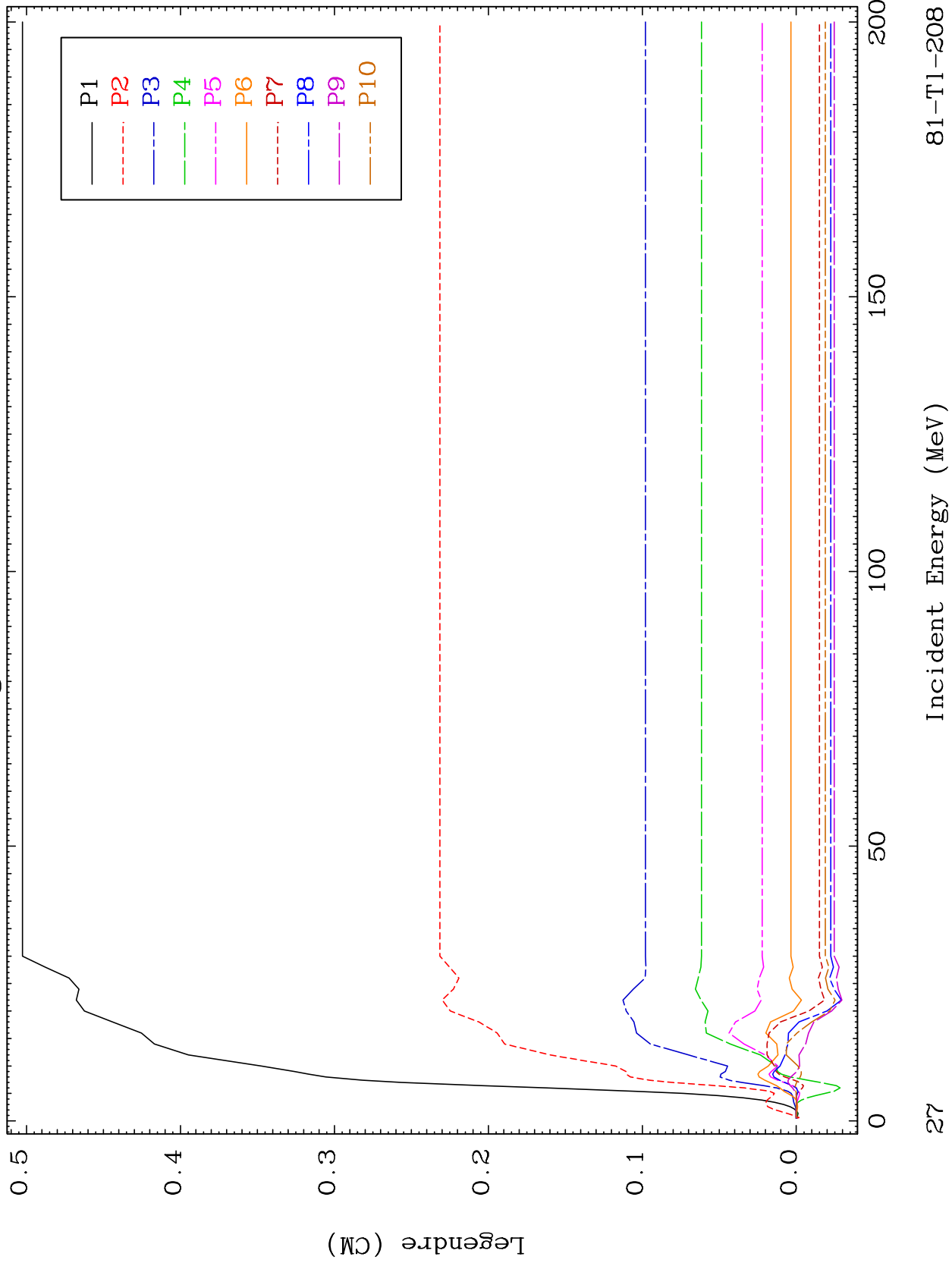


26

MAT 8140

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

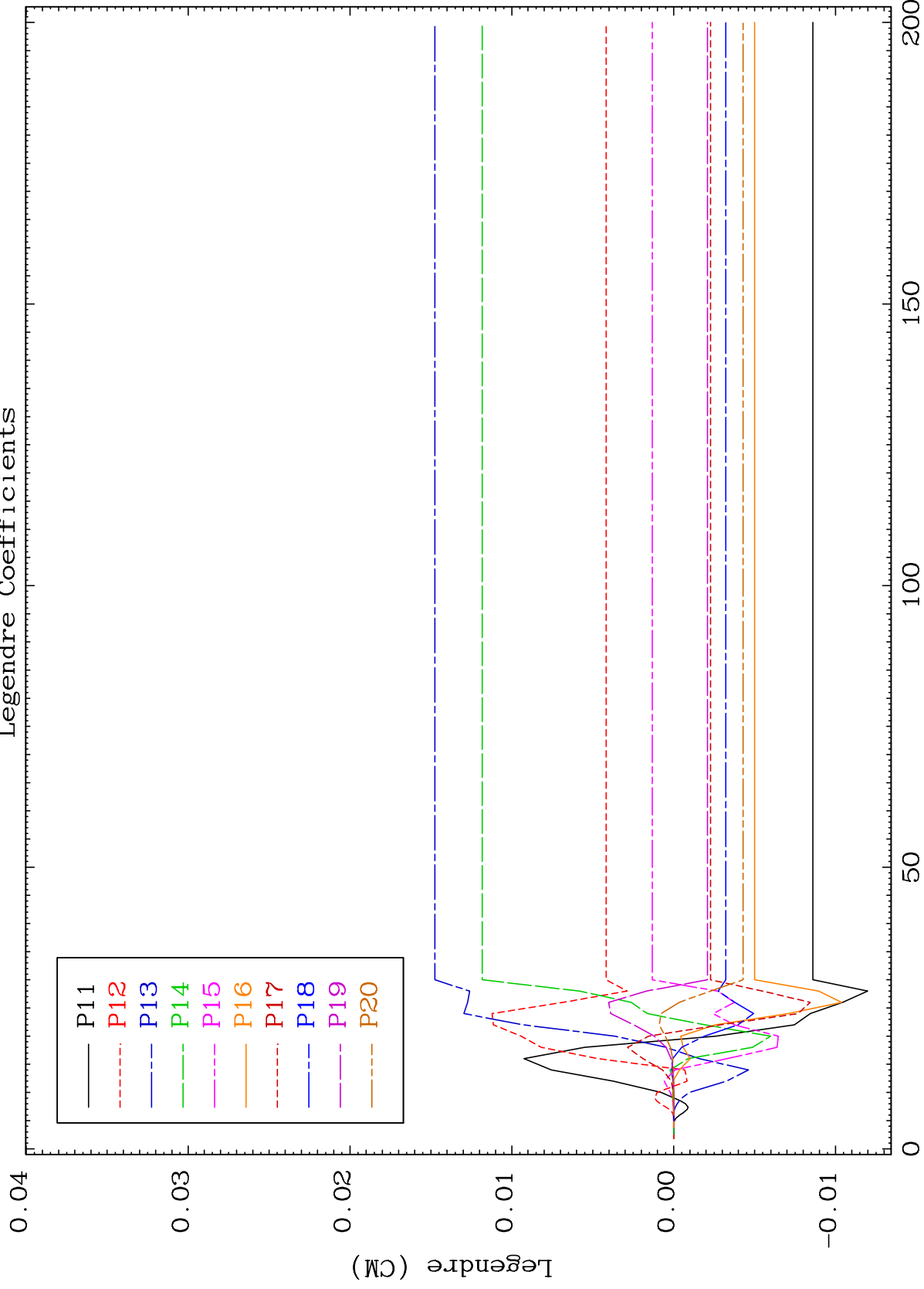
81-T1-208



MAT 8140

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

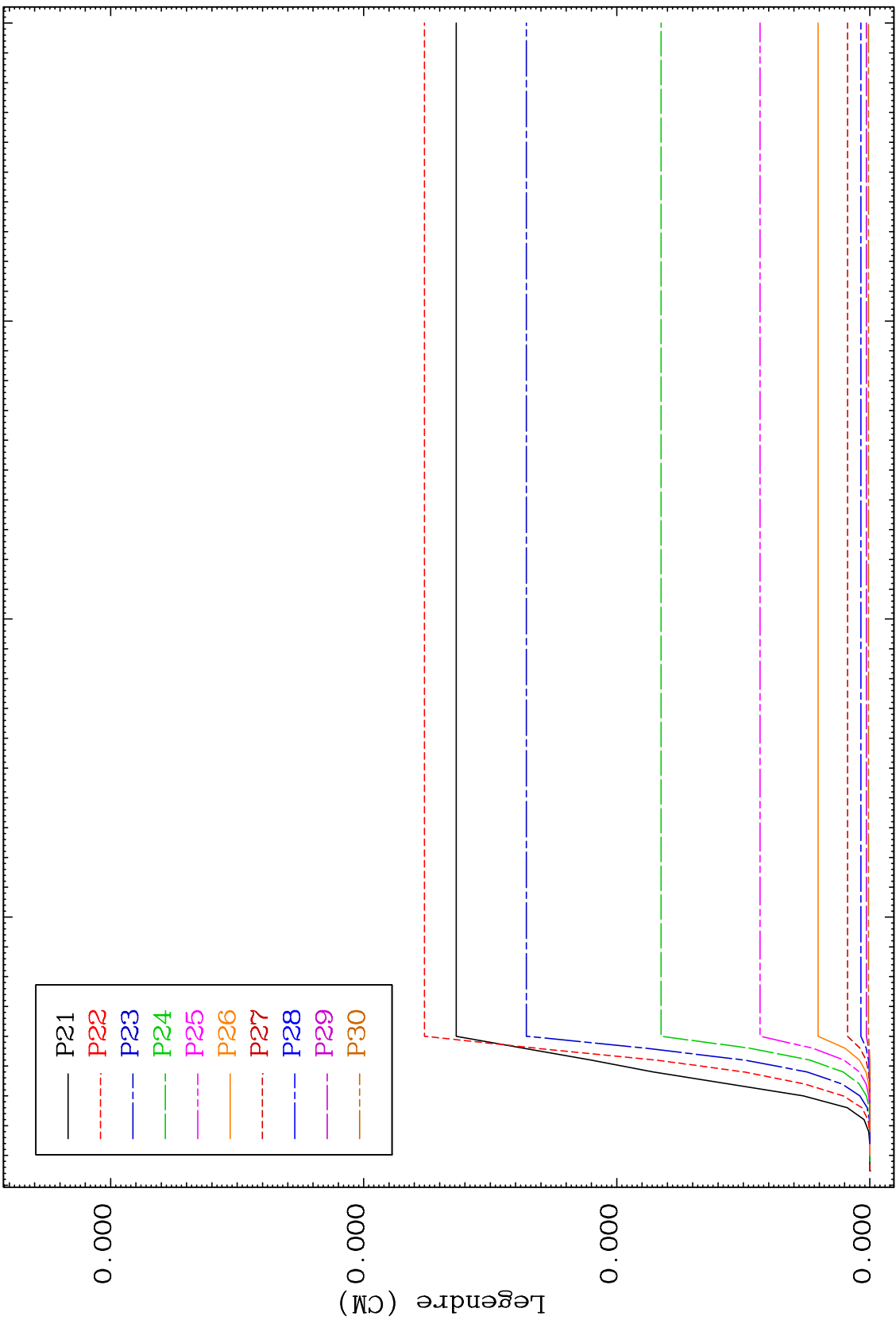
81-T1-208



28

Incident Energy (MeV)

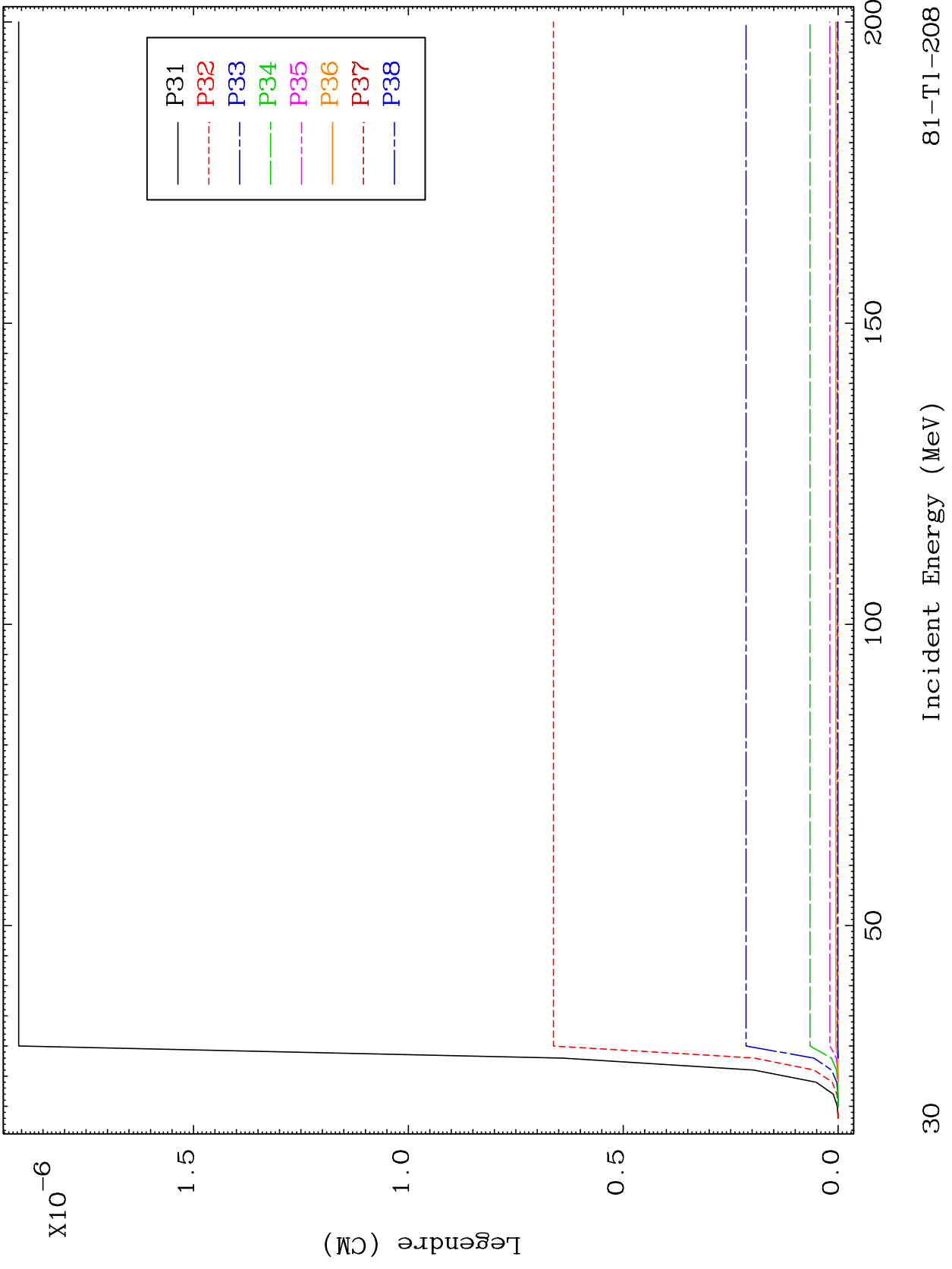
81-T1-208



MAT 8140

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

81-T1-208

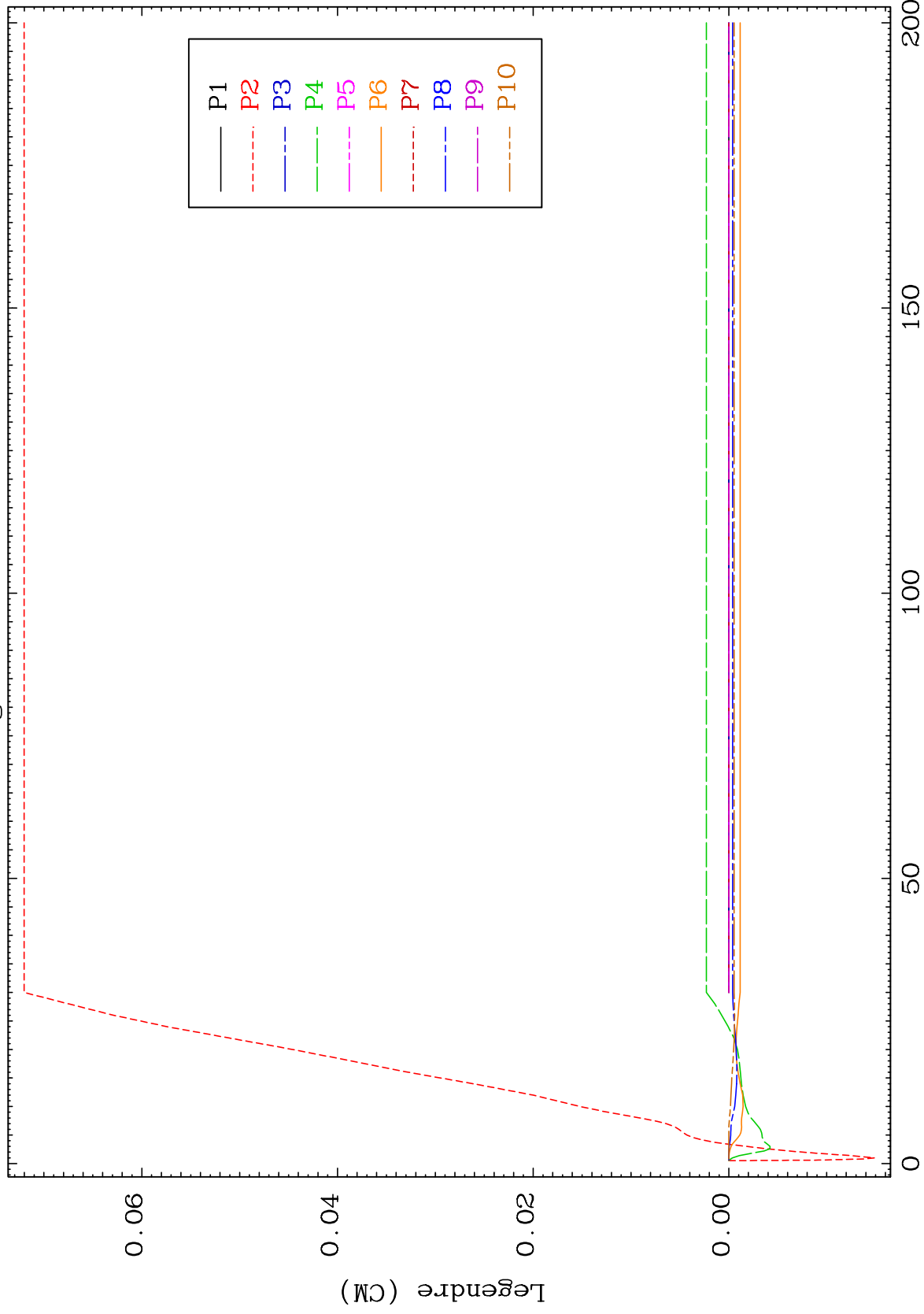


81-T1-208

MAT 8140

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

81-T1-208



31

81-T1-208

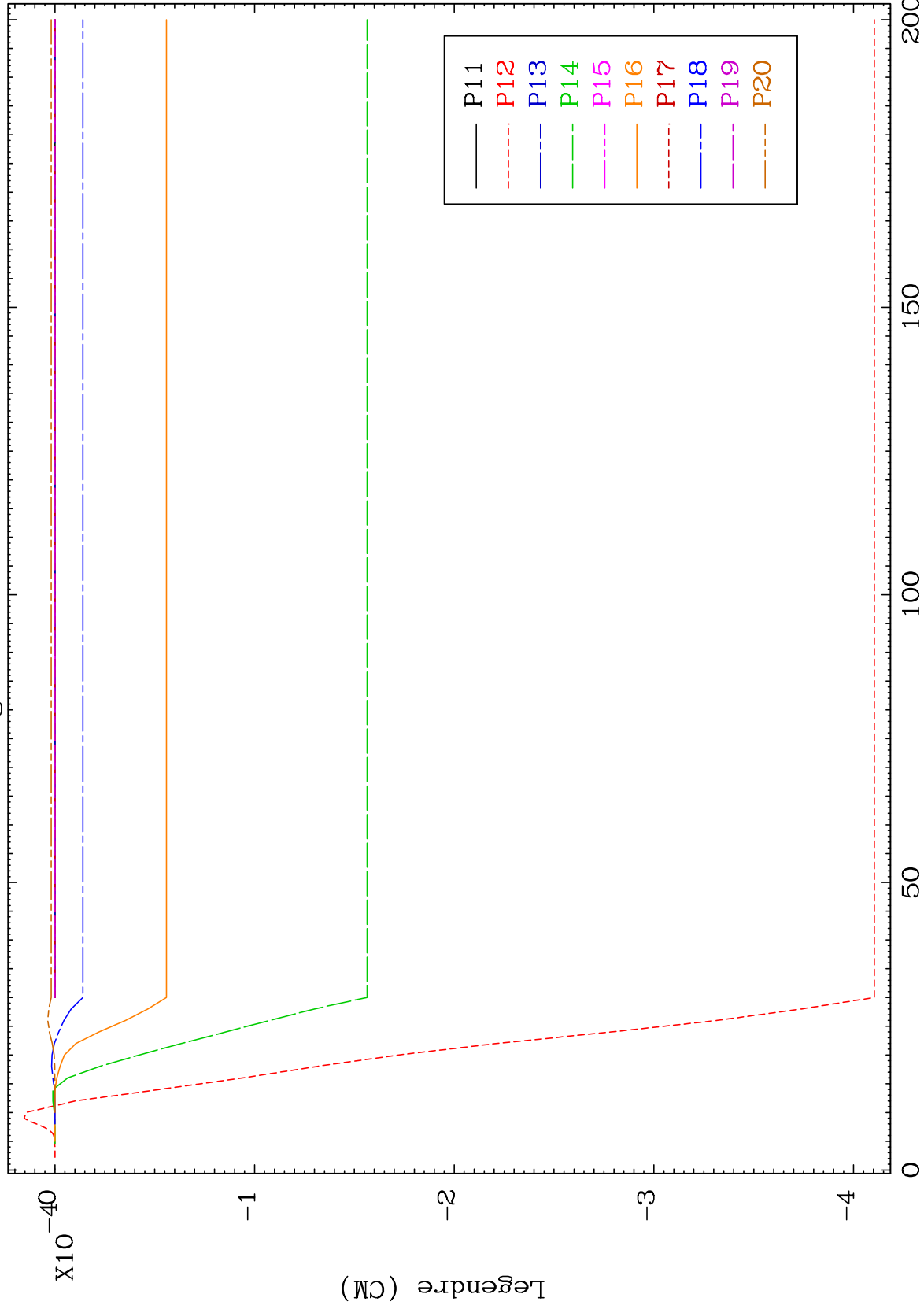


MAT 8140

MT= 54 (n,n') Level

81-Tl-208

Legendre Coefficients



32

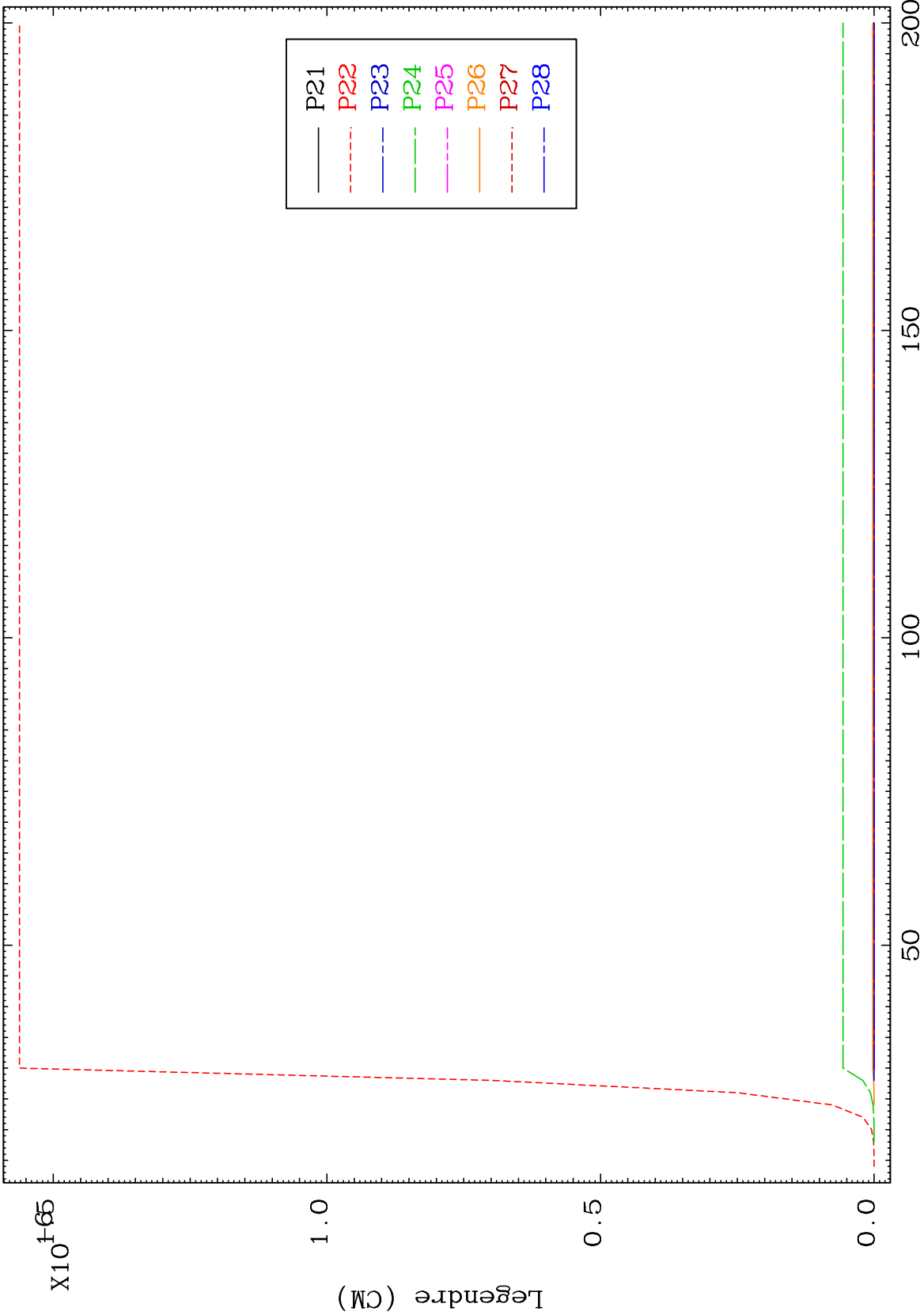
Incident Energy (MeV)

81-Tl-208

MAT 8140

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

81-T1-208



33

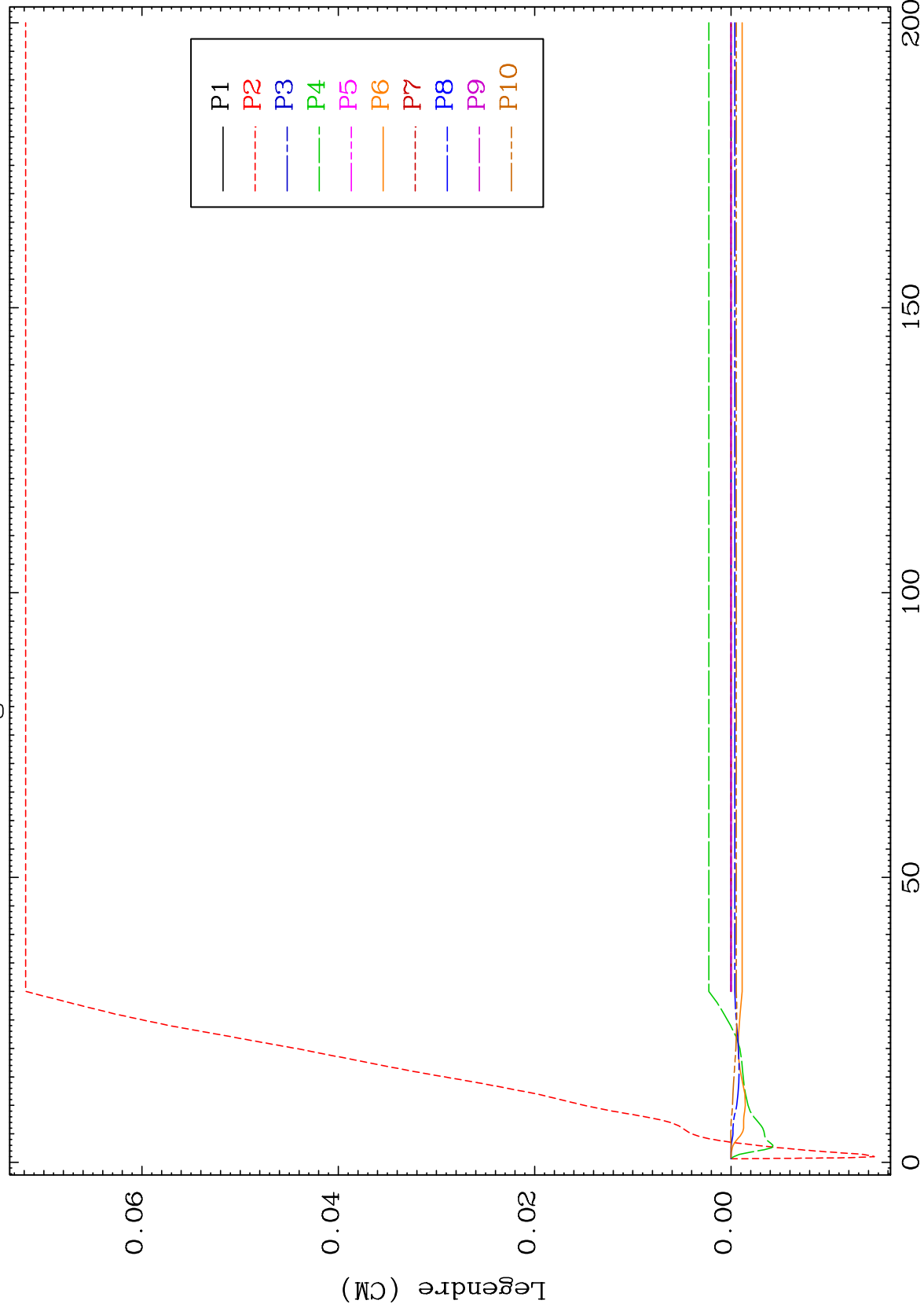
Incident Energy (MeV)

81-T1-208

MAT 8140

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

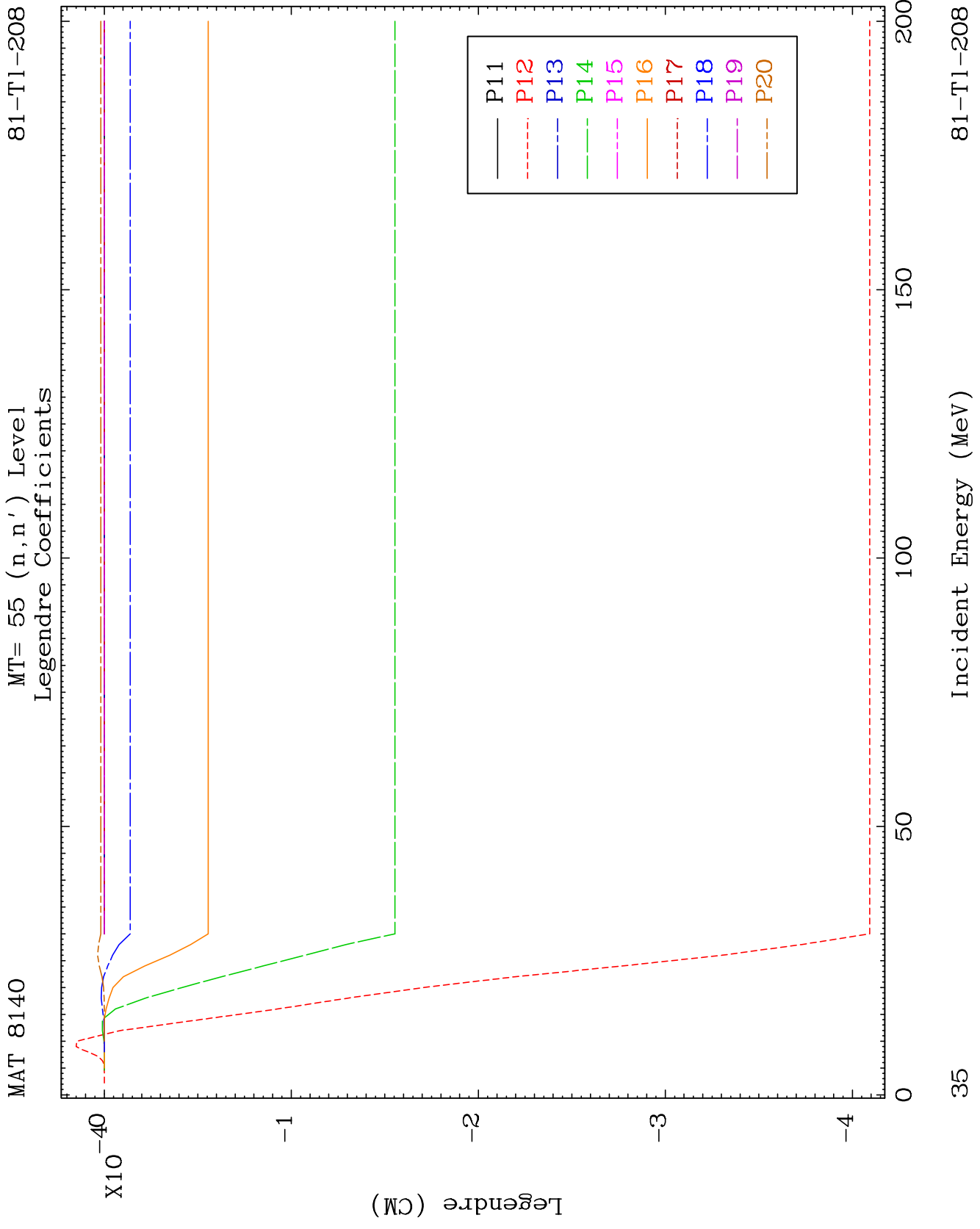
81-T1-208



34

Incident Energy (MeV)

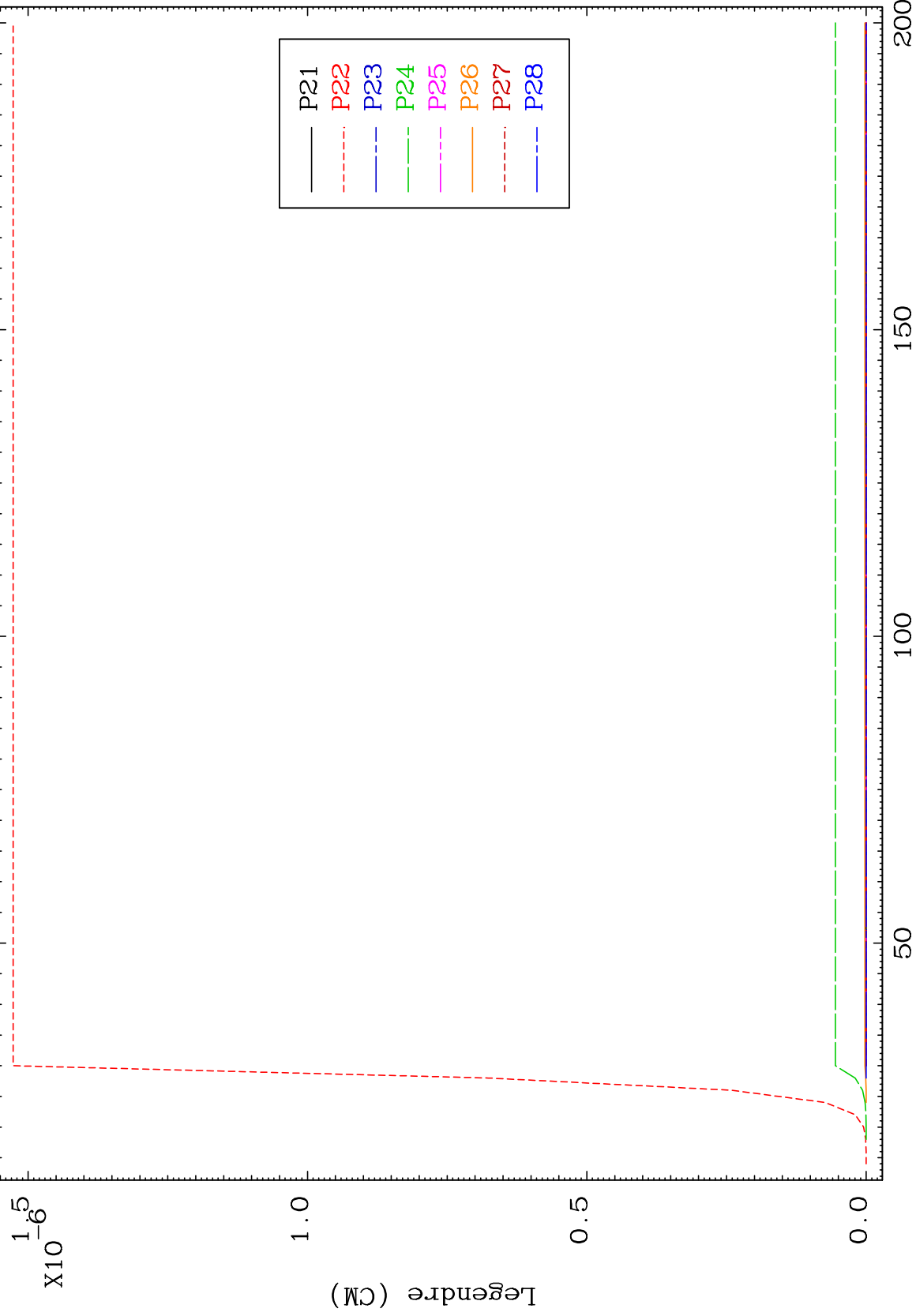
81-T1-208



MAT 8140

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

81-T1-208



36

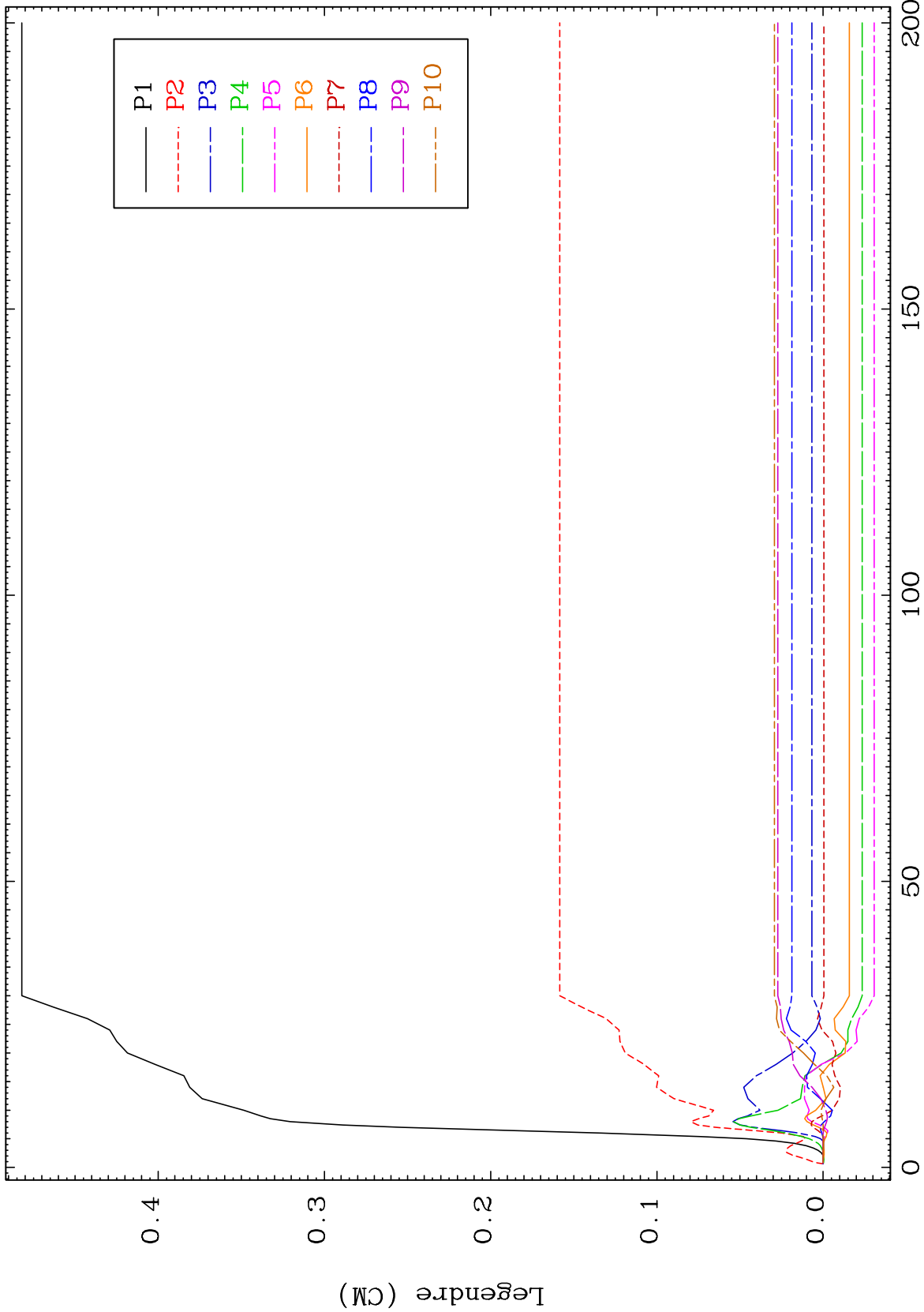
Incident Energy (MeV)

81-T1-208

MAT 8140

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

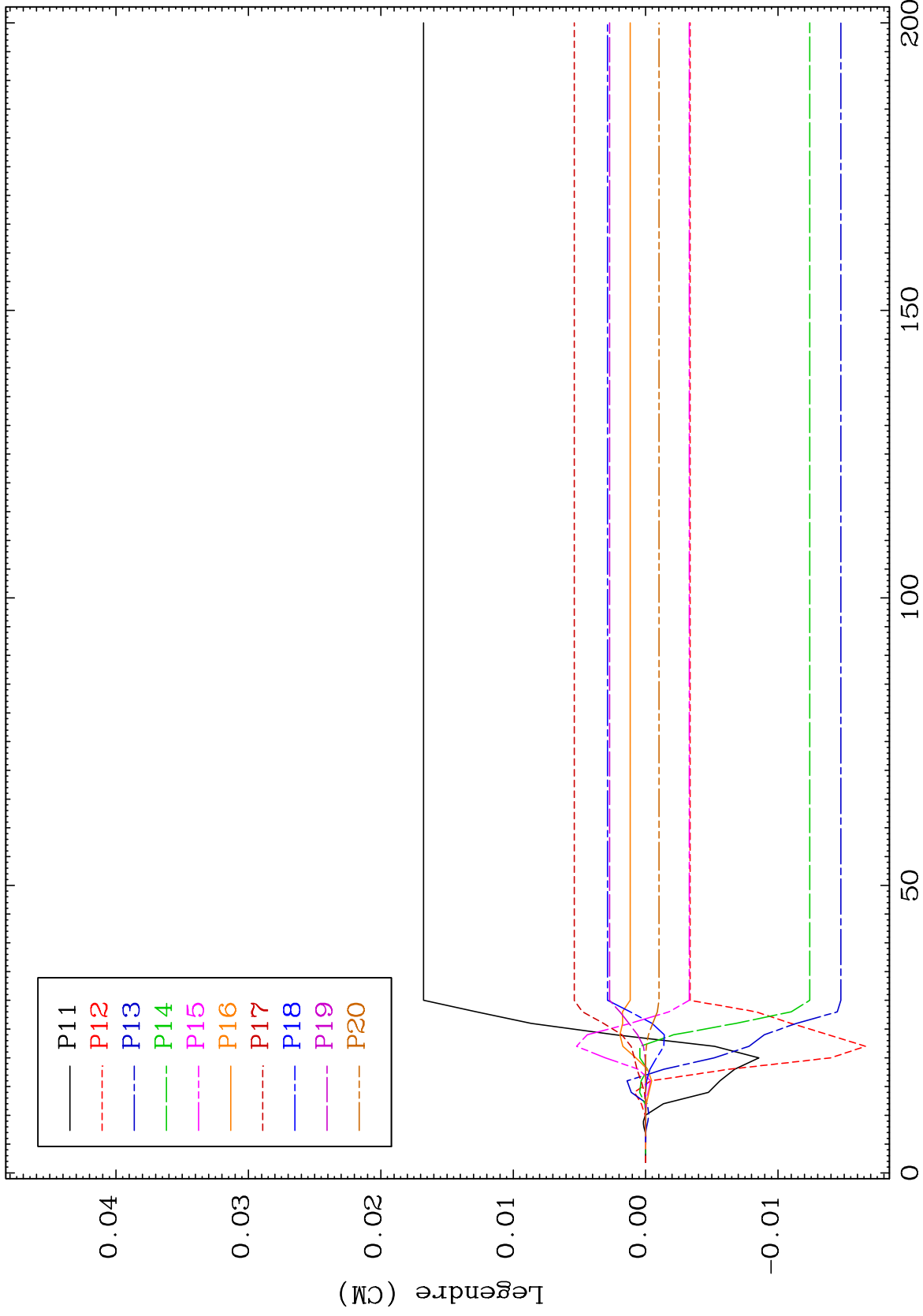
81-T1-208

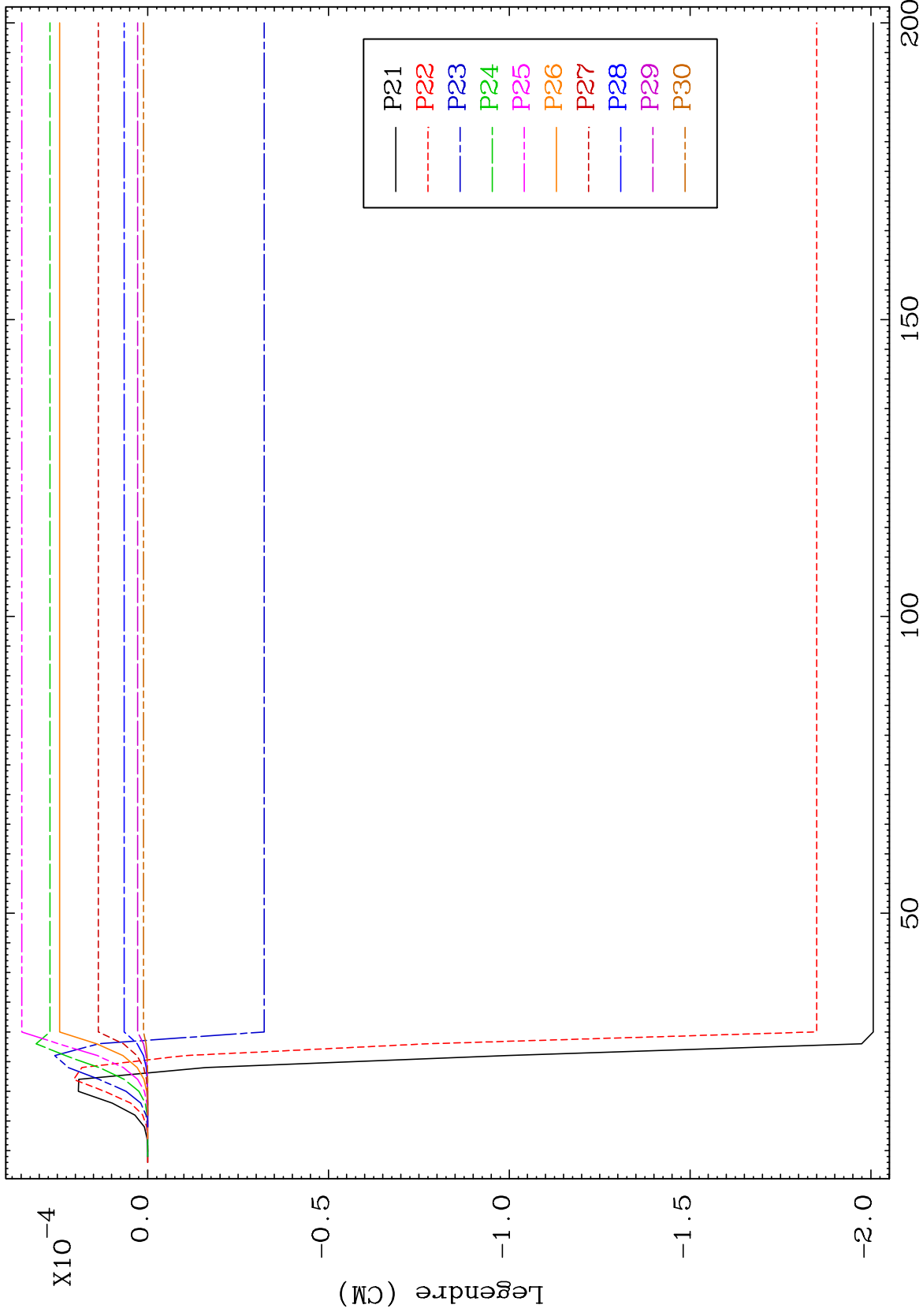


37

Incident Energy (MeV)

81-T1-208



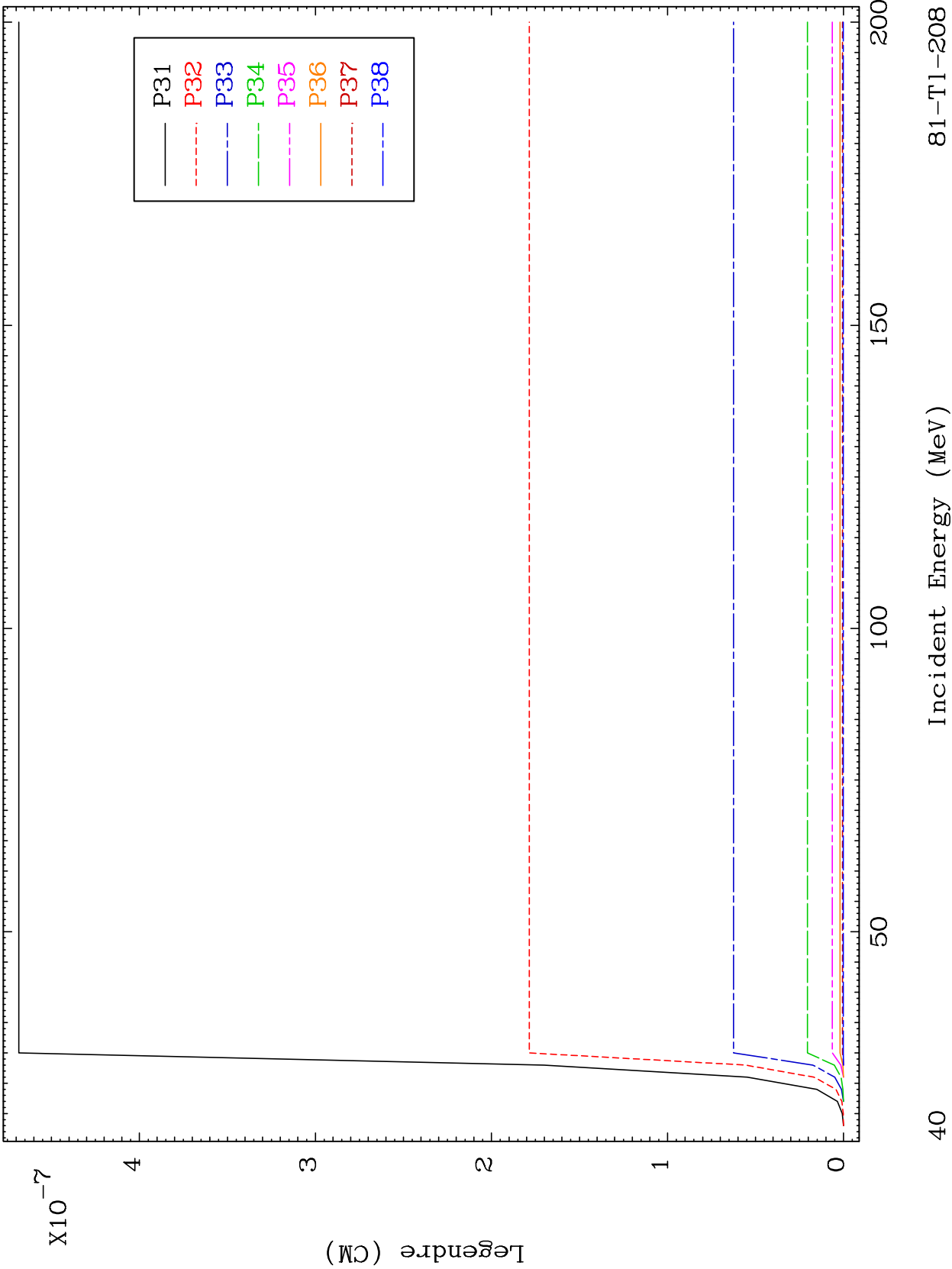




MAT 8140

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

81-Tl-208



81-Tl-208

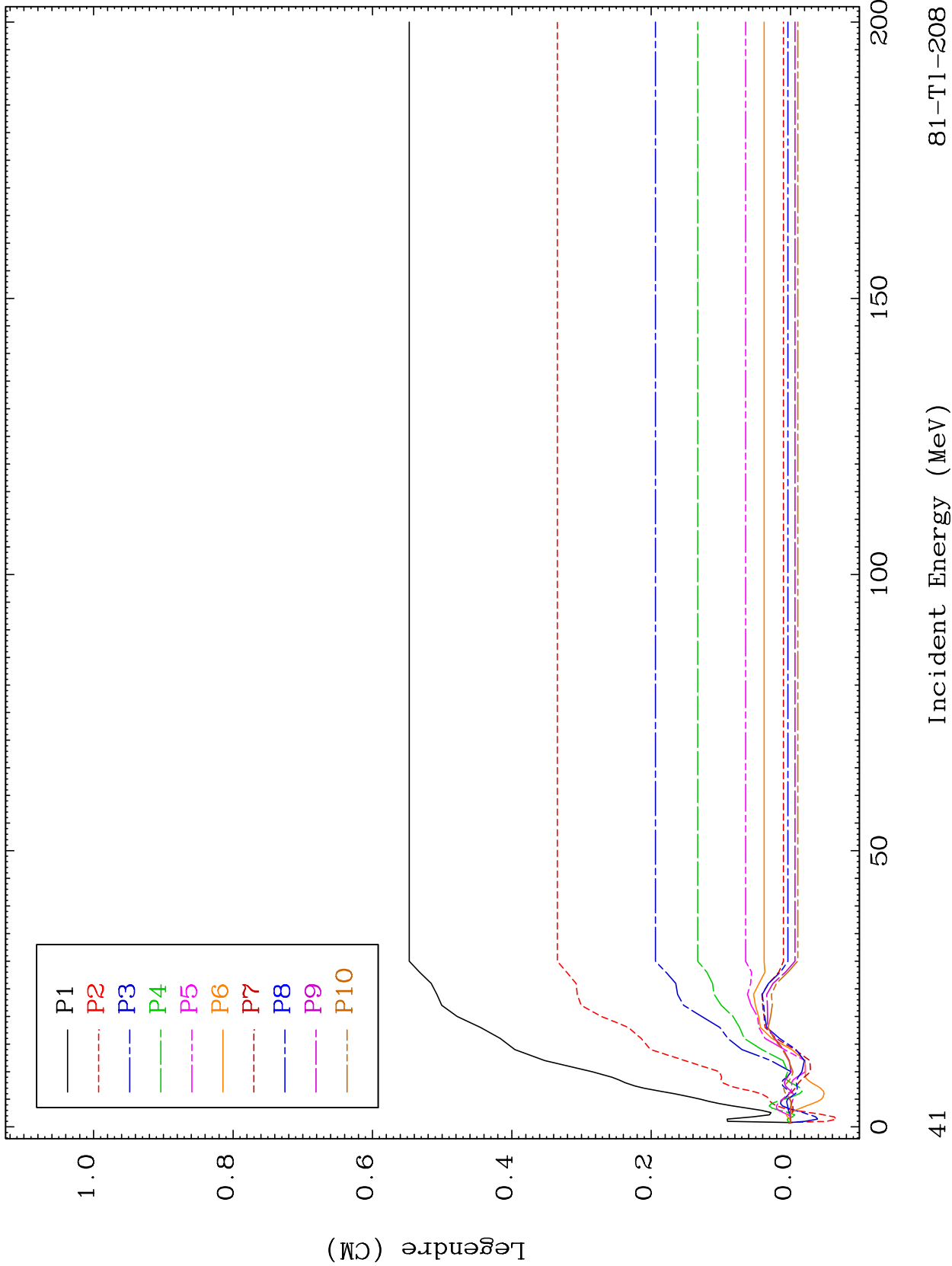
Incident Energy (MeV)

40

MAT 8140

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

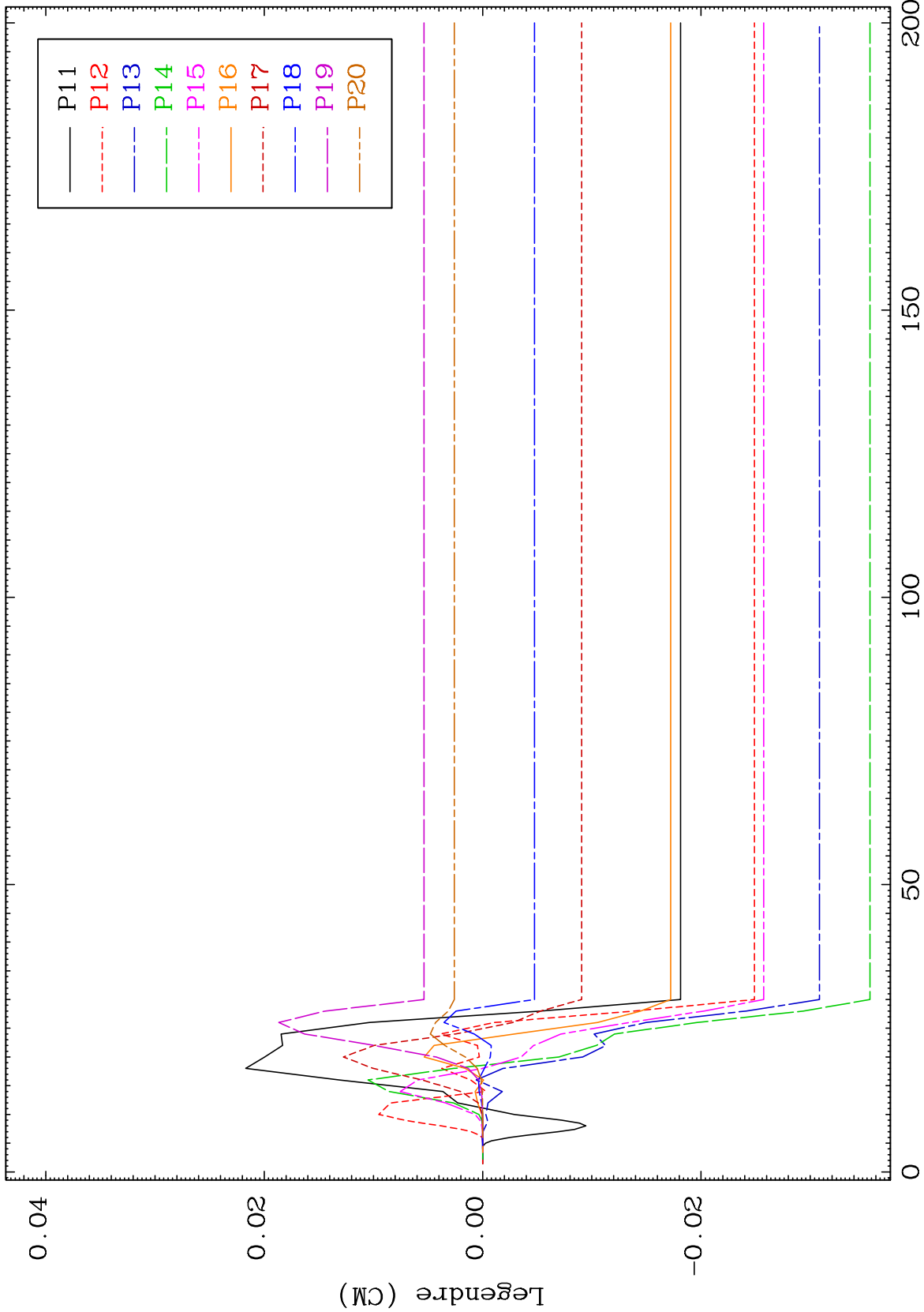
81-T1-208



MAT 8140

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

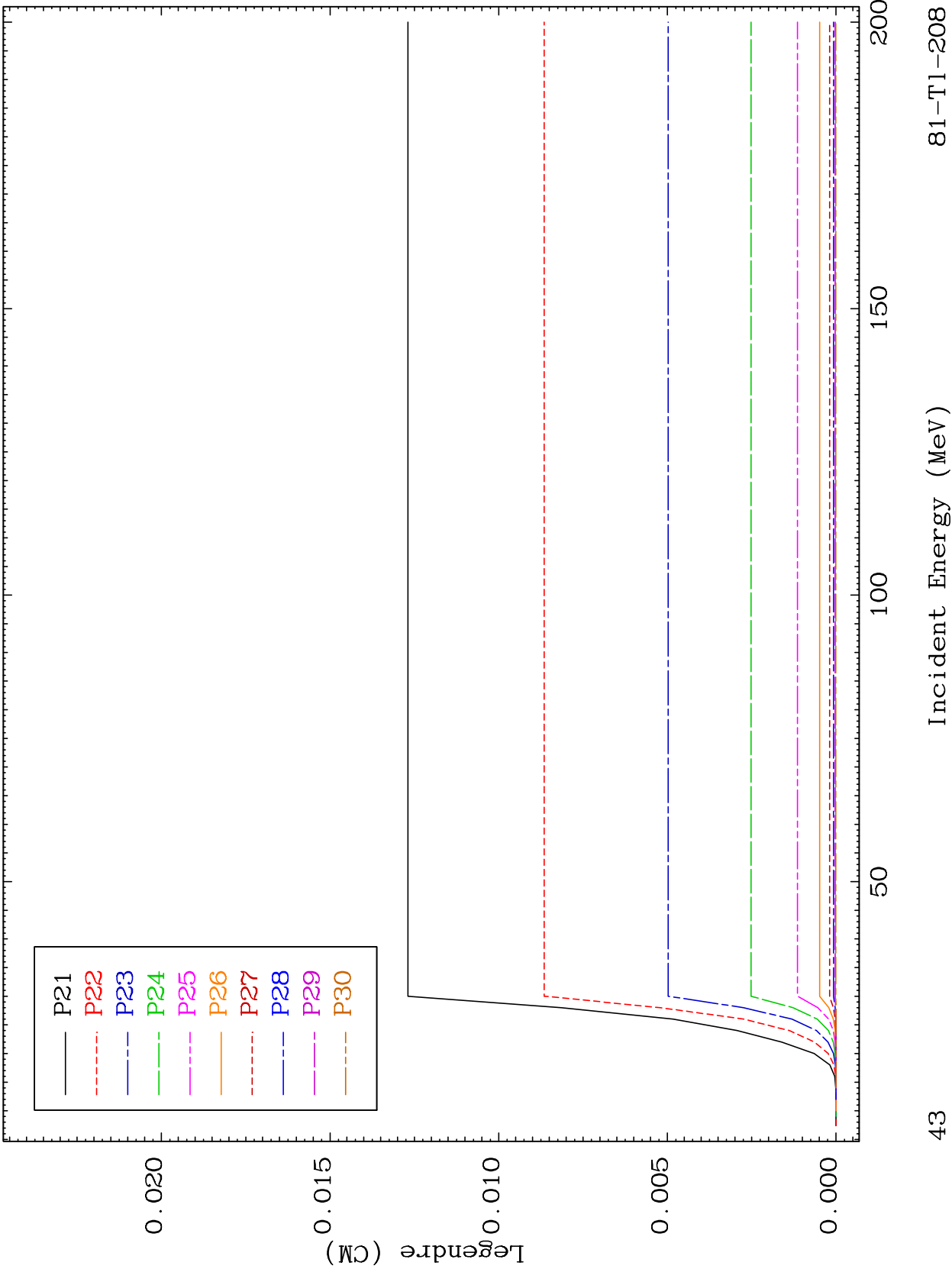
81-T1-208



42

Incident Energy (MeV)

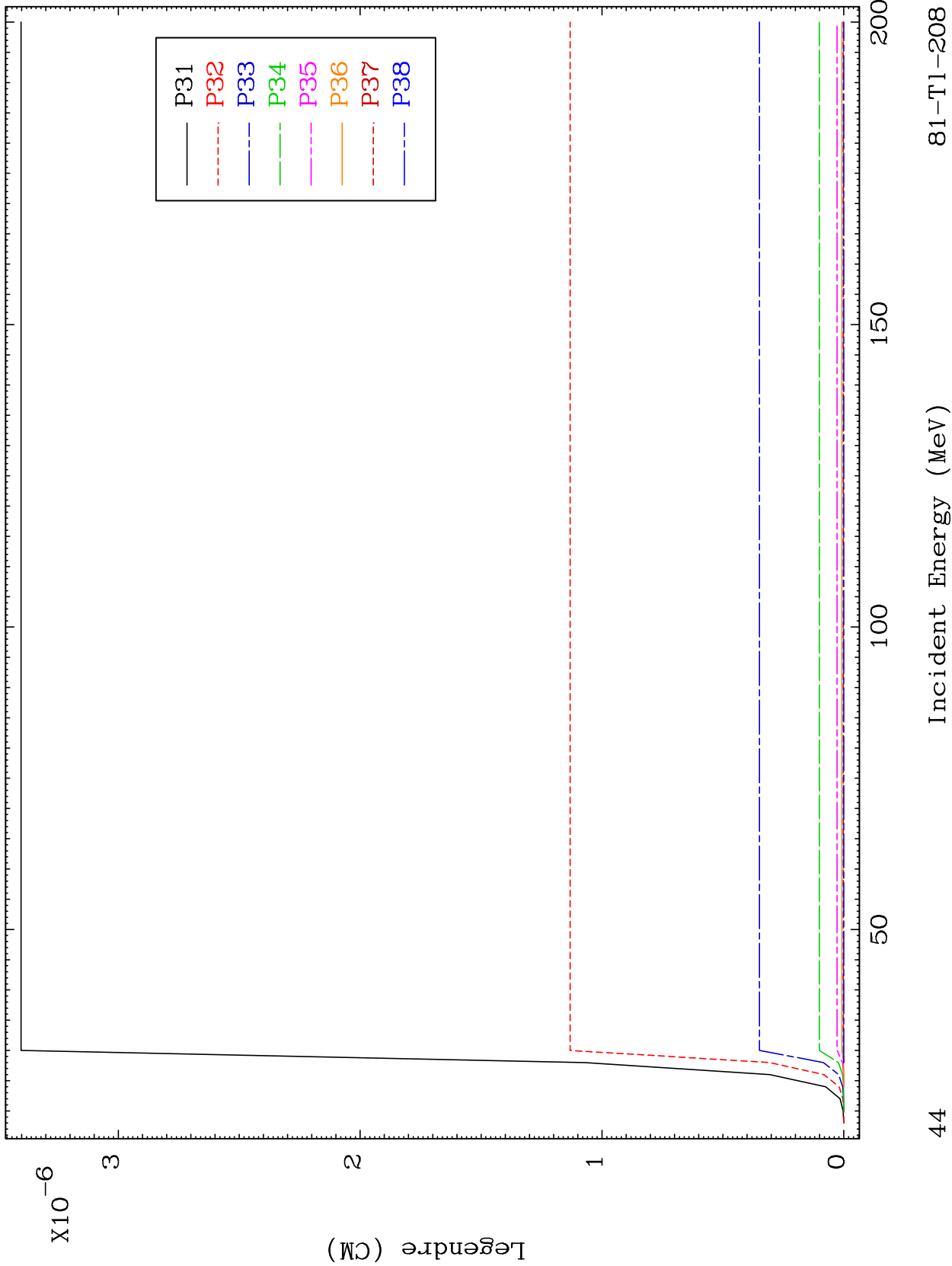
81-T1-208



MAT 8140

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

81-T1-208



44

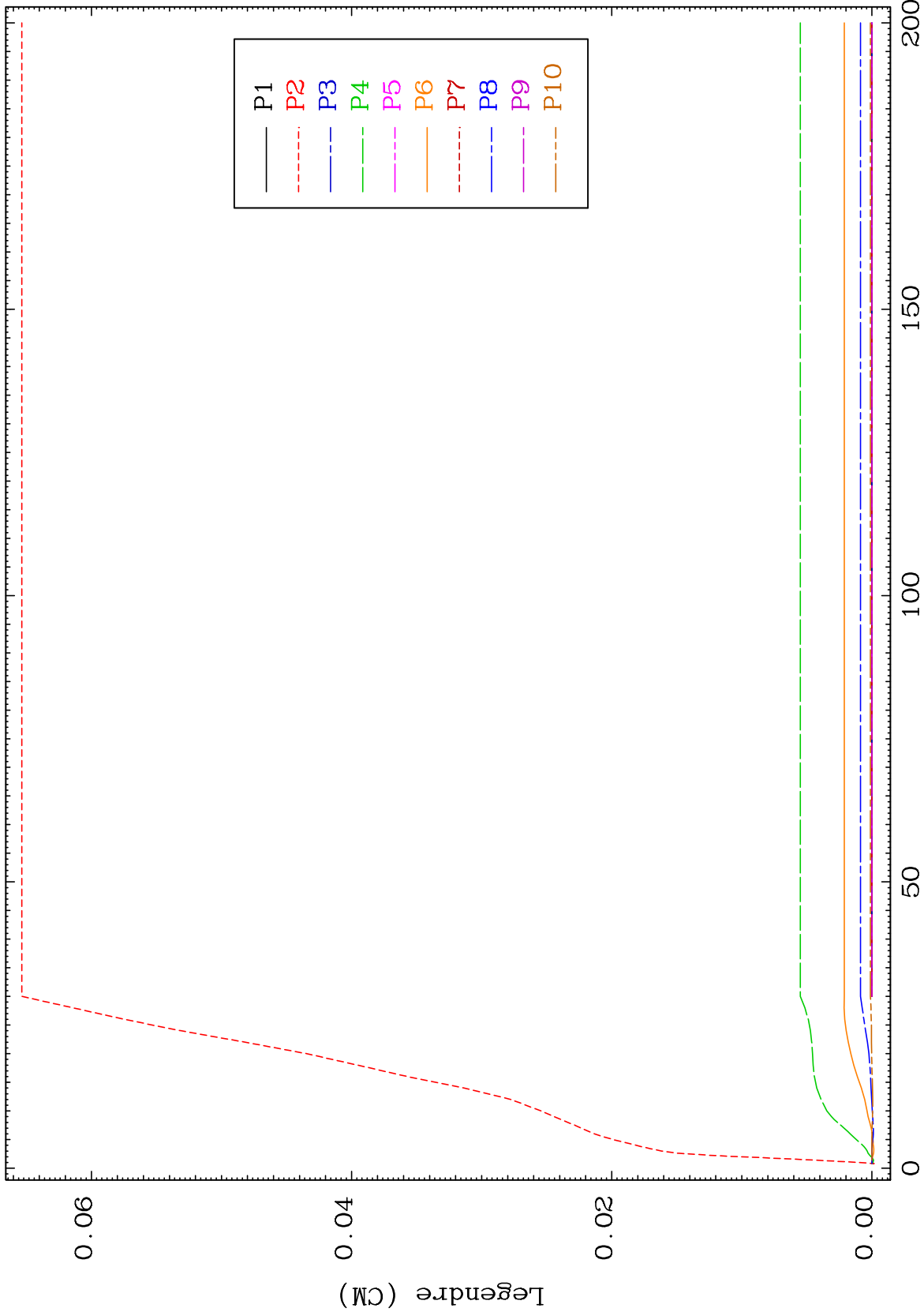
Incident Energy (MeV)

81-T1-208

MAT 8140

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

81-T1-208



81-T1-208

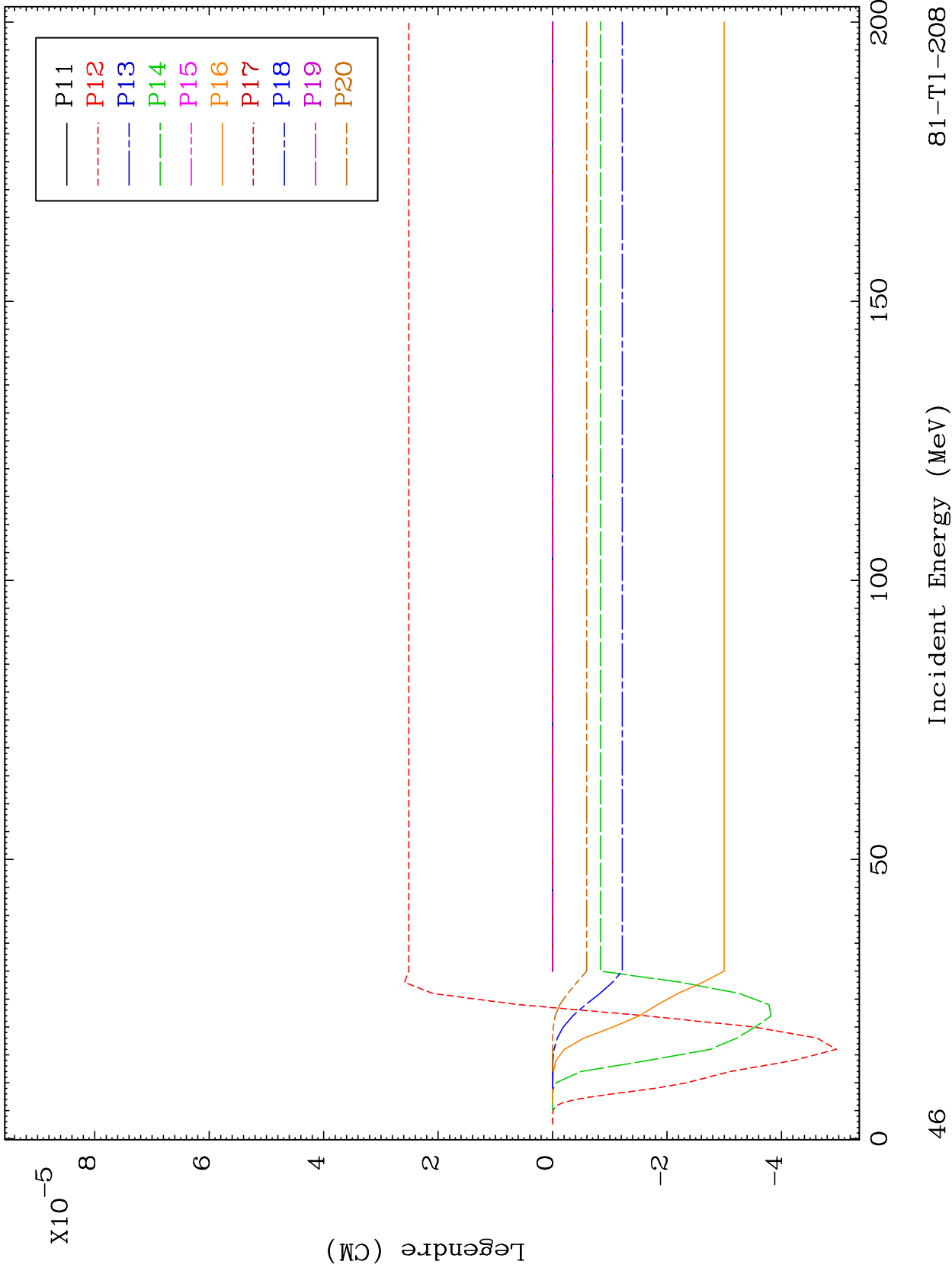
Incident Energy (MeV)

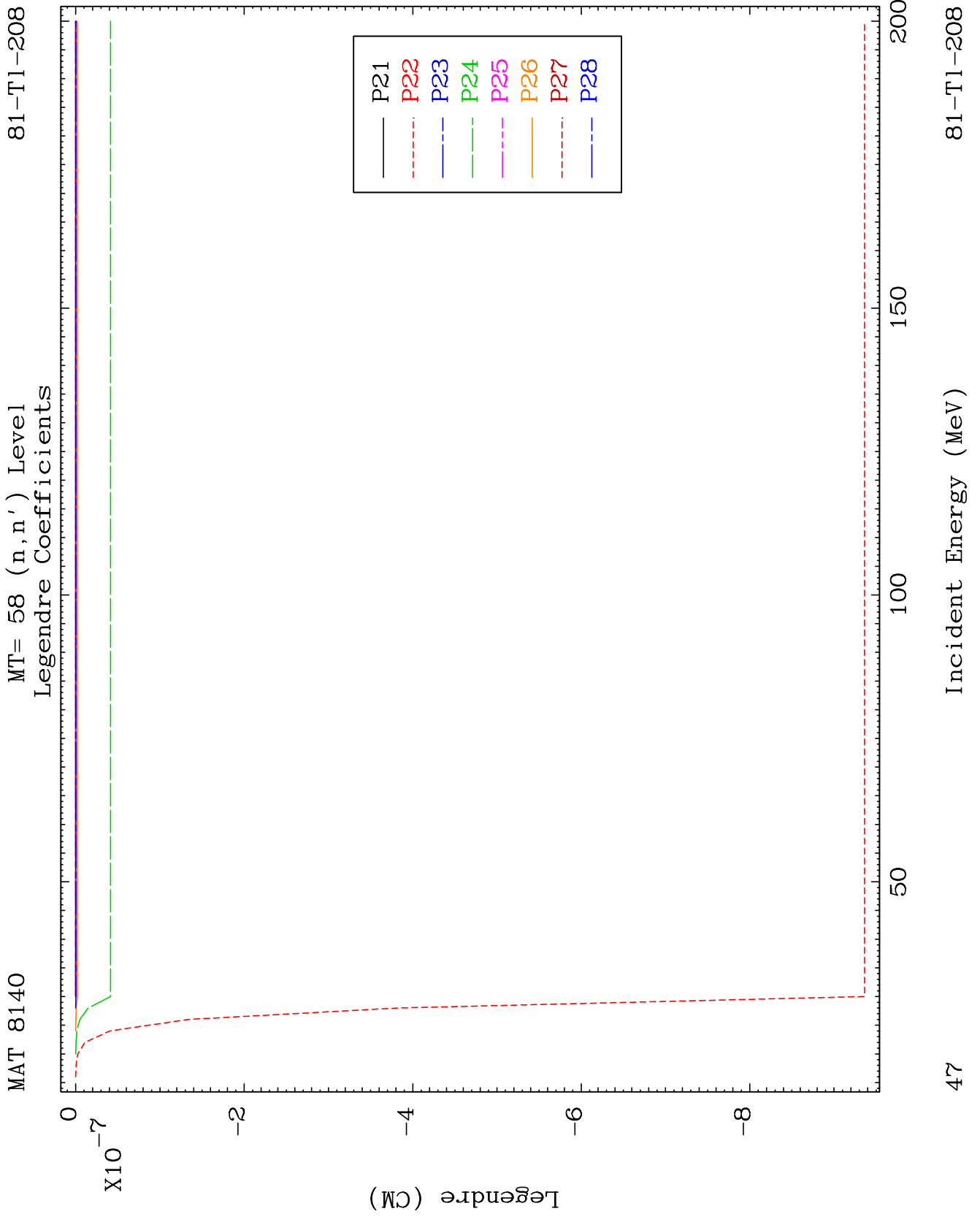
45

MAT 8140

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

81-Tl-208



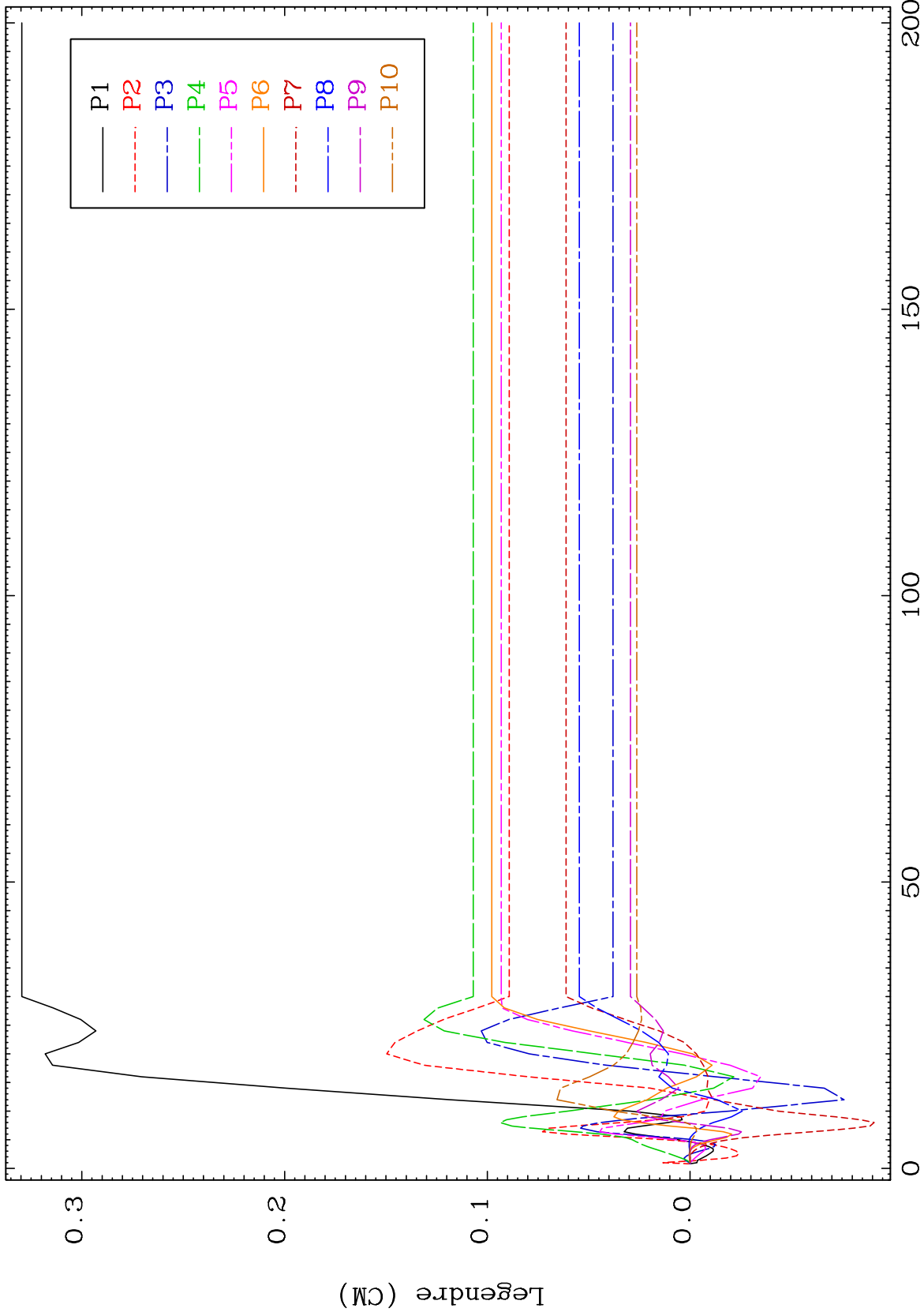




MAT 8140

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

81-T1-208



81-T1-208

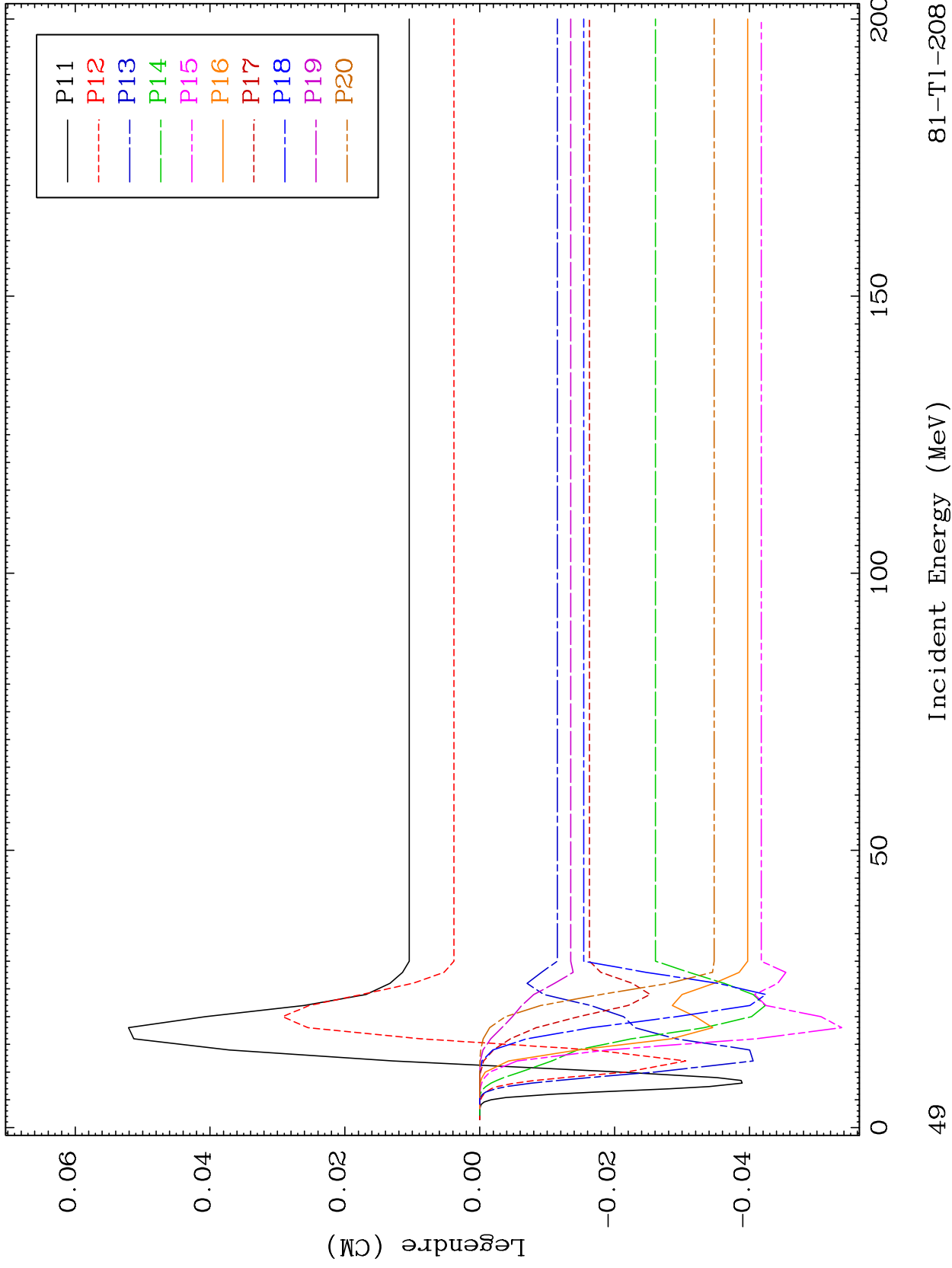
Incident Energy (MeV)

48

MAT 8140

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

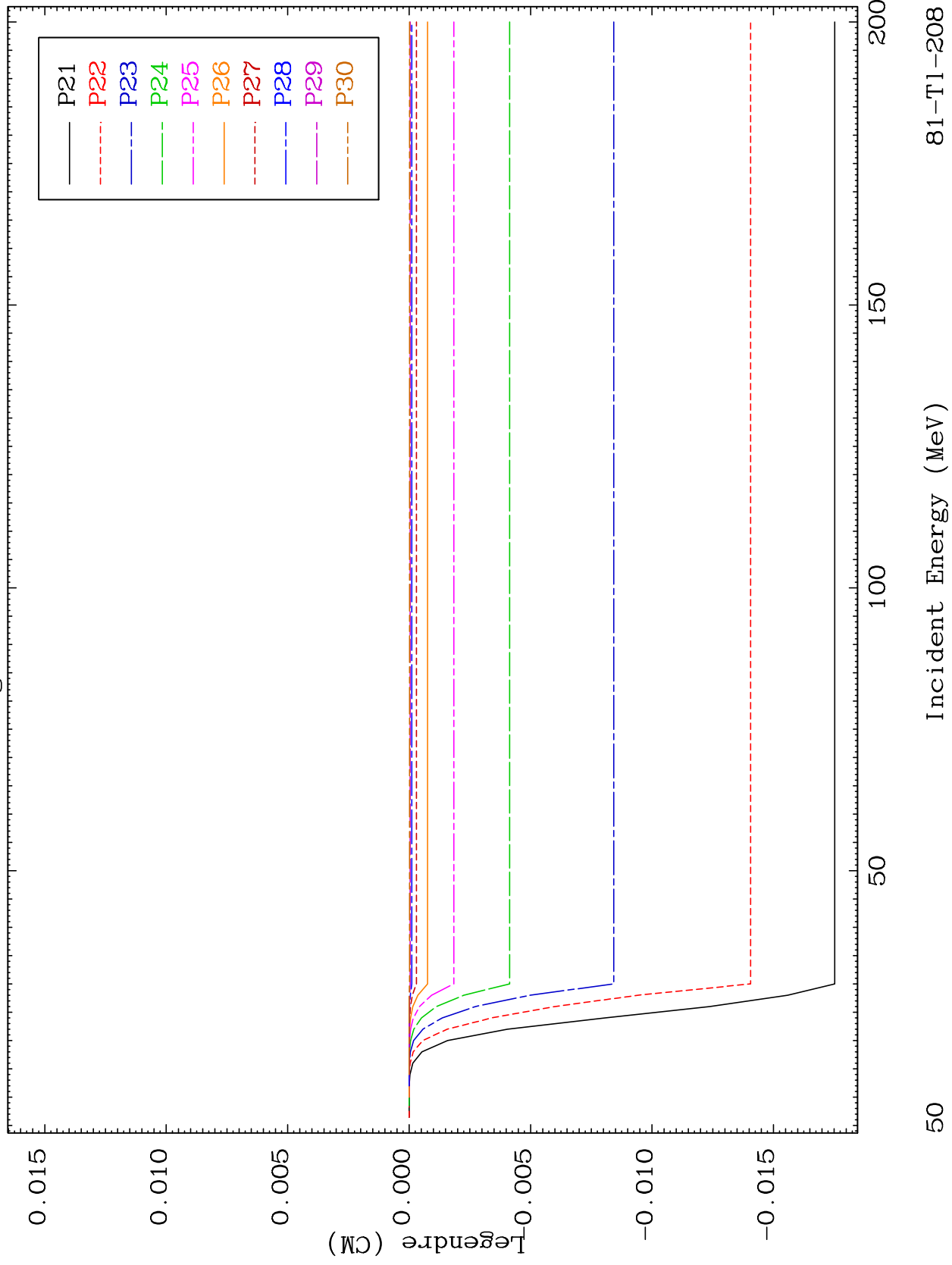
81-T1-208



MAT 8140

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

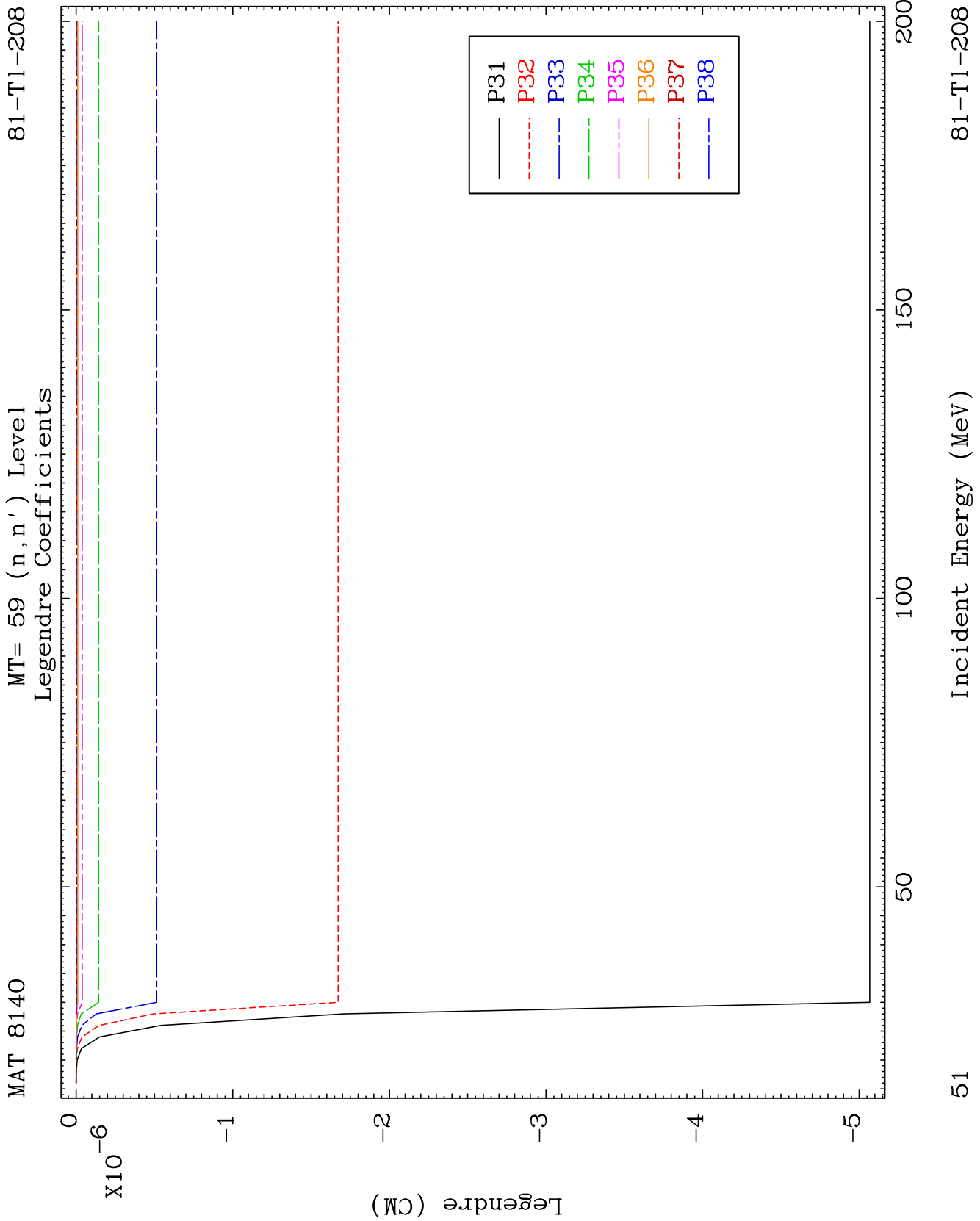
81-T1-208



81-T1-208

Incident Energy (MeV)

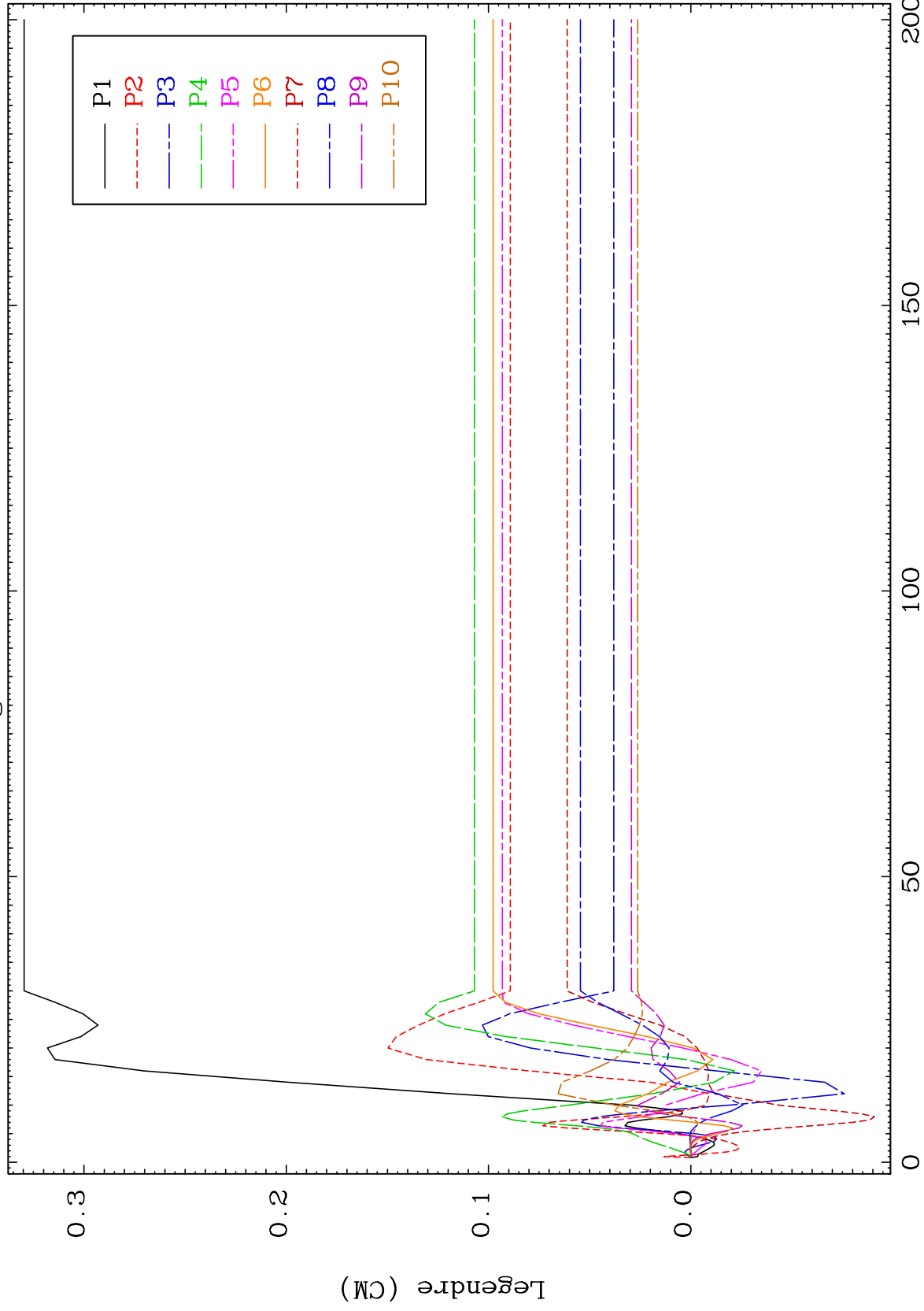
50



MAT 8140

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

81-T1-208



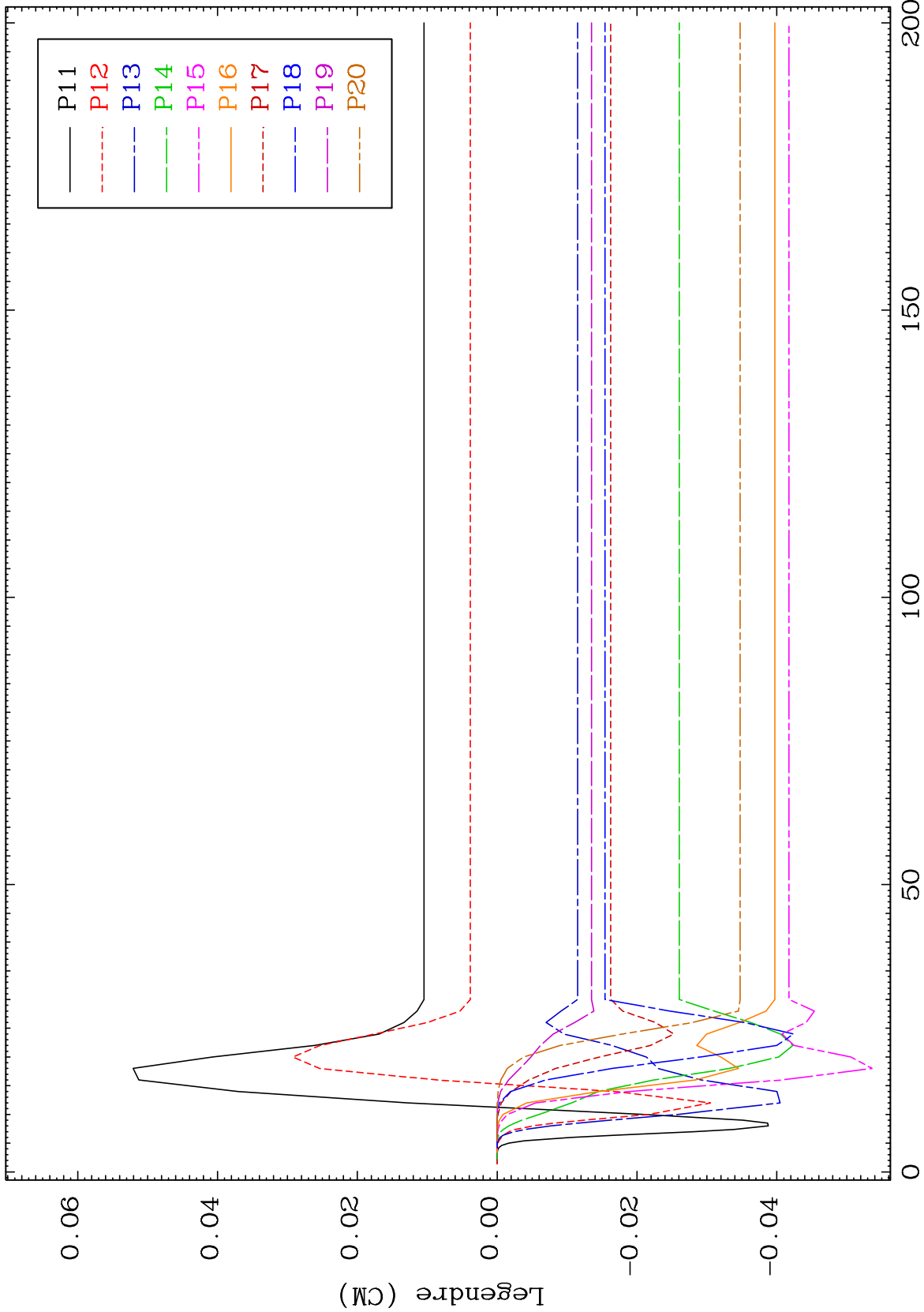
52

81-T1-208

MAT 8140

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

81-T1-208



53

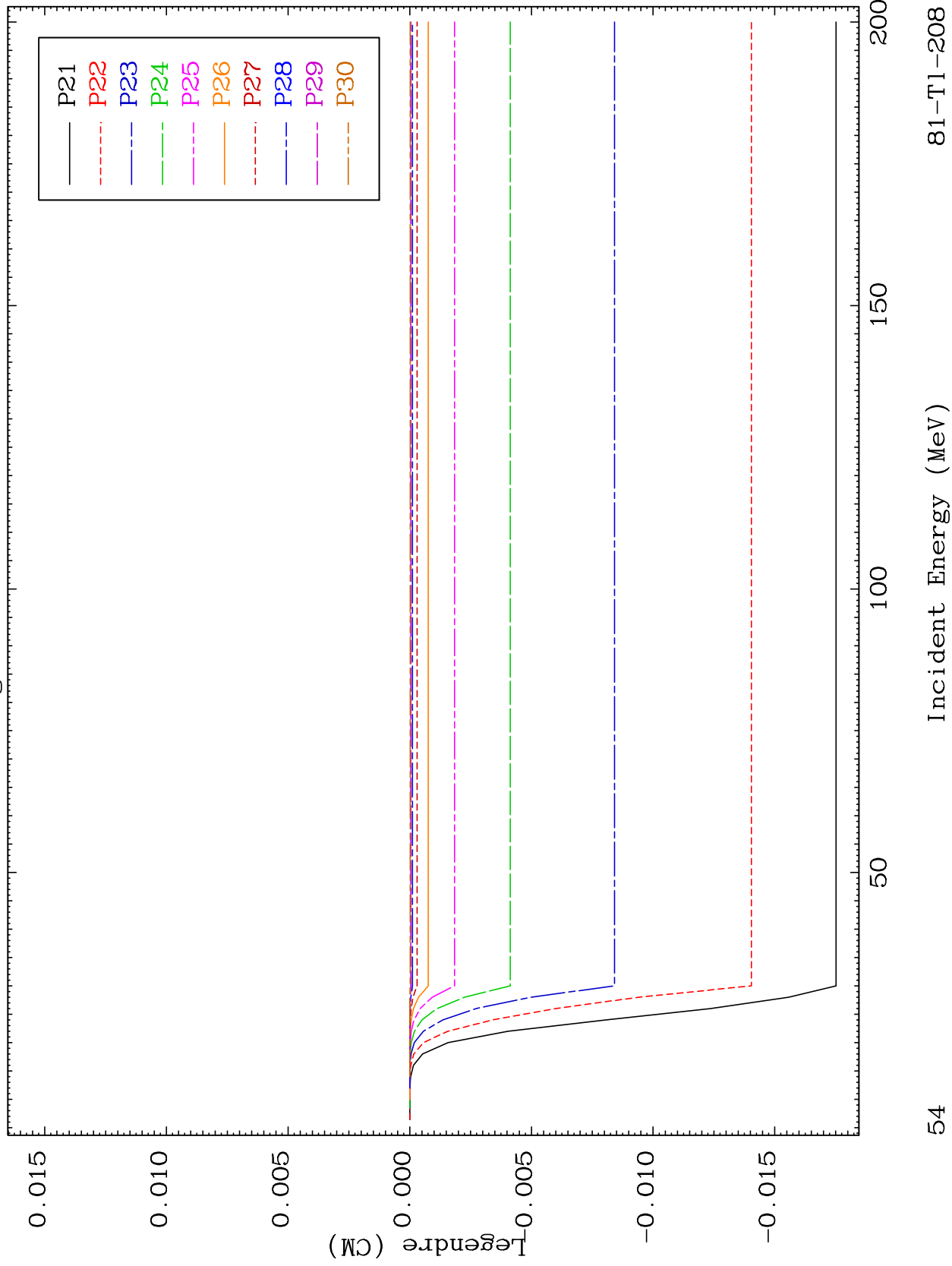
Incident Energy (MeV)

81-T1-208

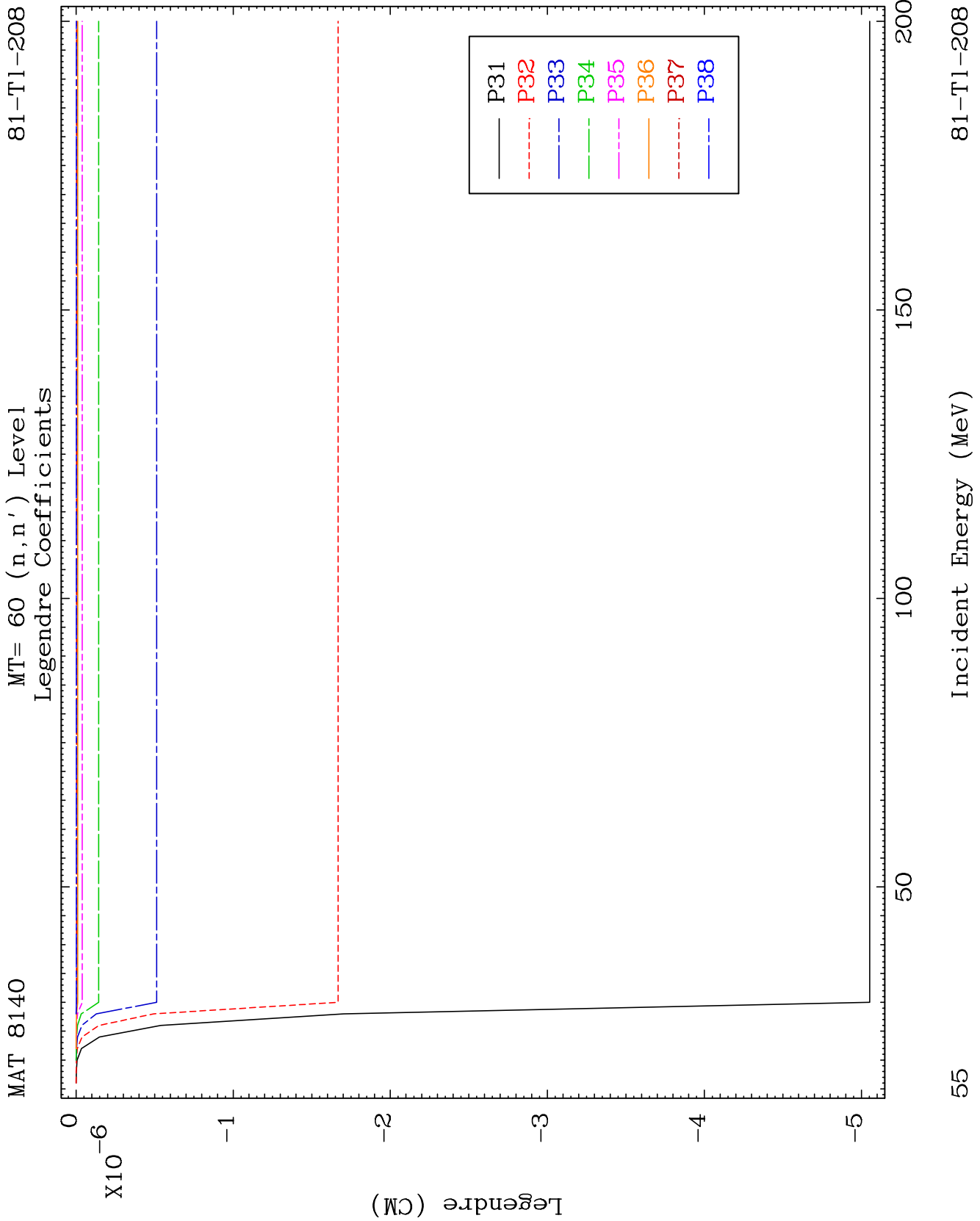
MAT 8140

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

81-T1-208



54

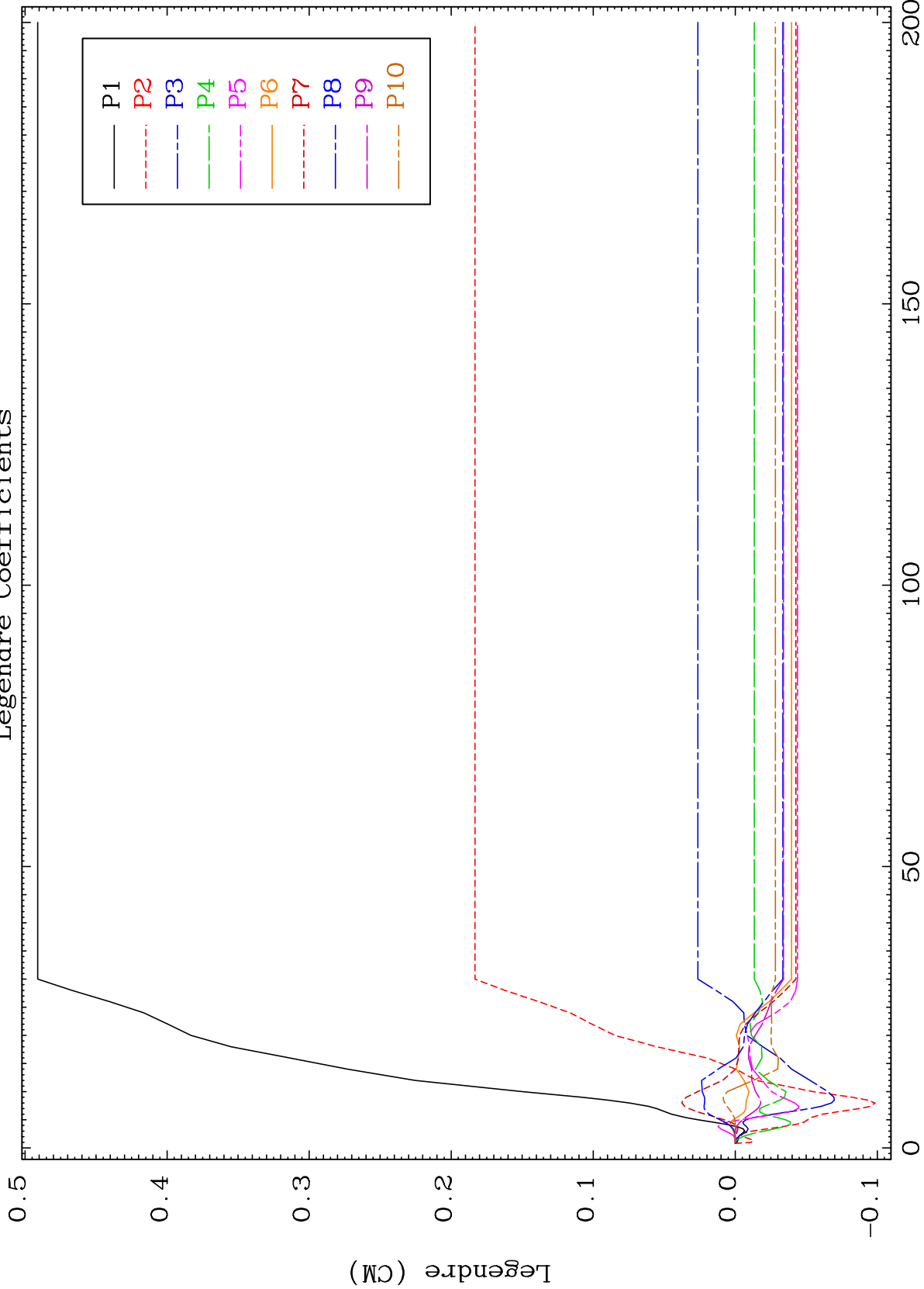




MAT 8140

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

81-T1-208



56

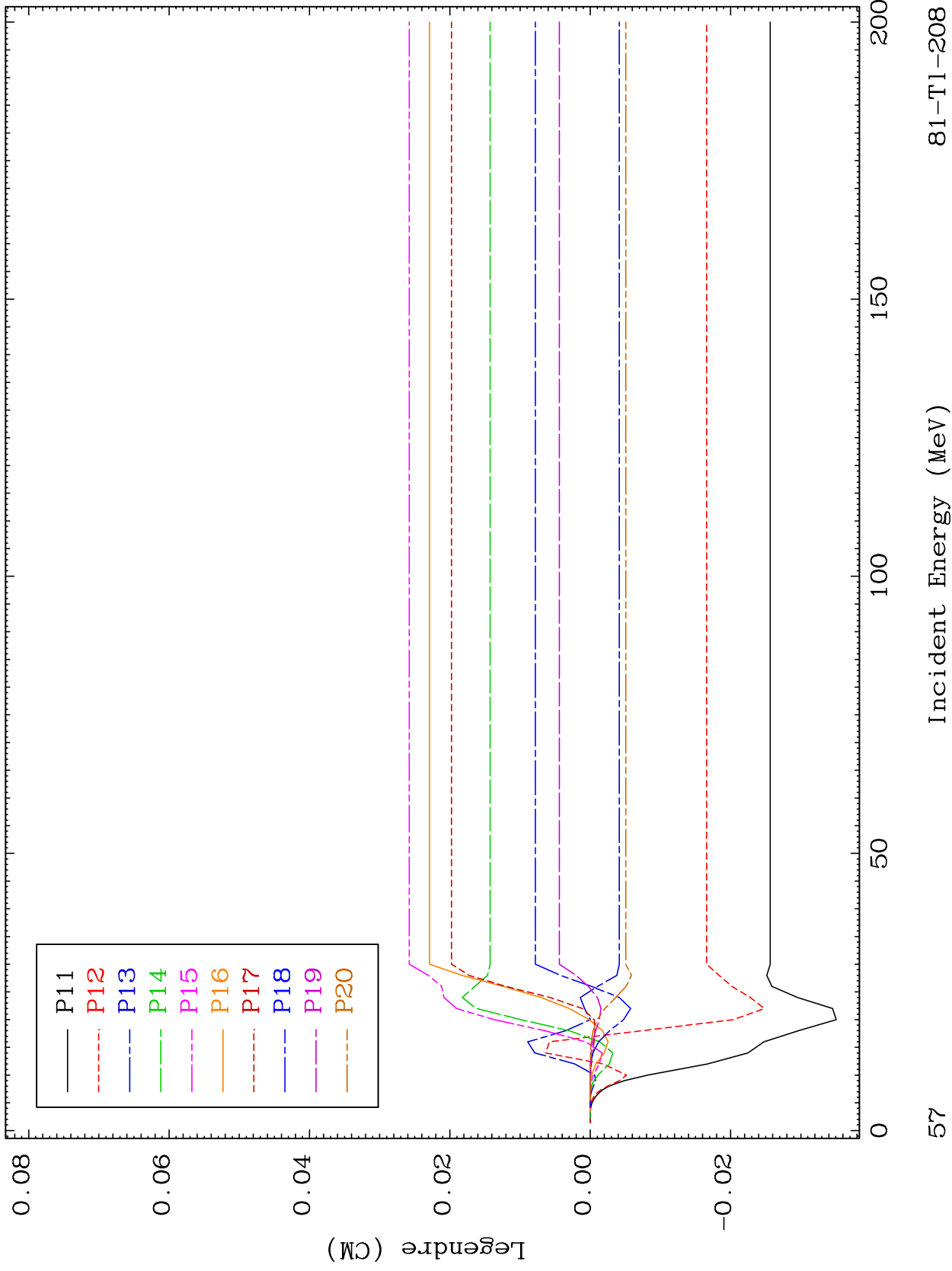
Incident Energy (MeV)

81-T1-208

MAT 8140

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

81-T1-208



57

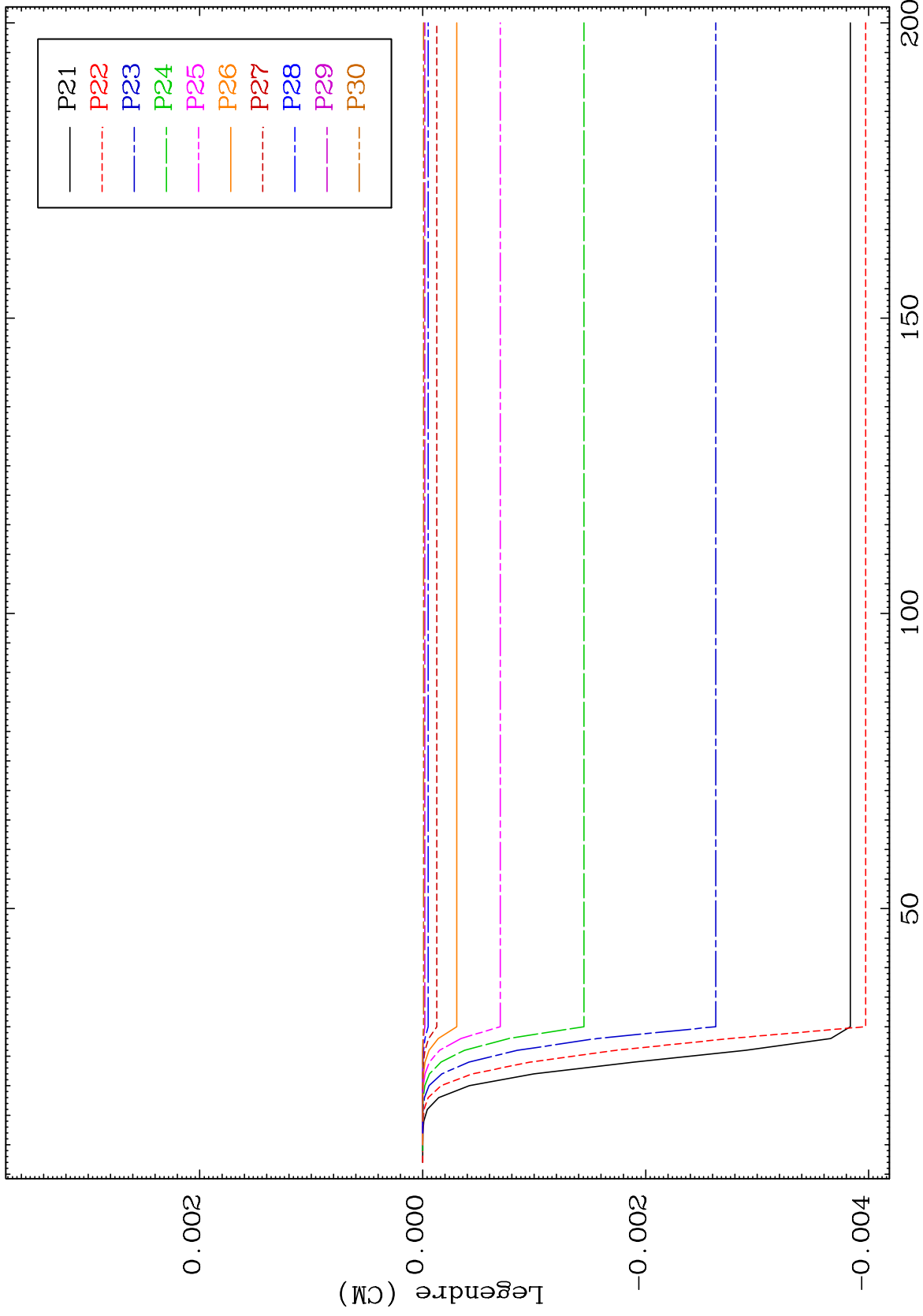
Incident Energy (MeV)

81-T1-208

MAT 8140

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

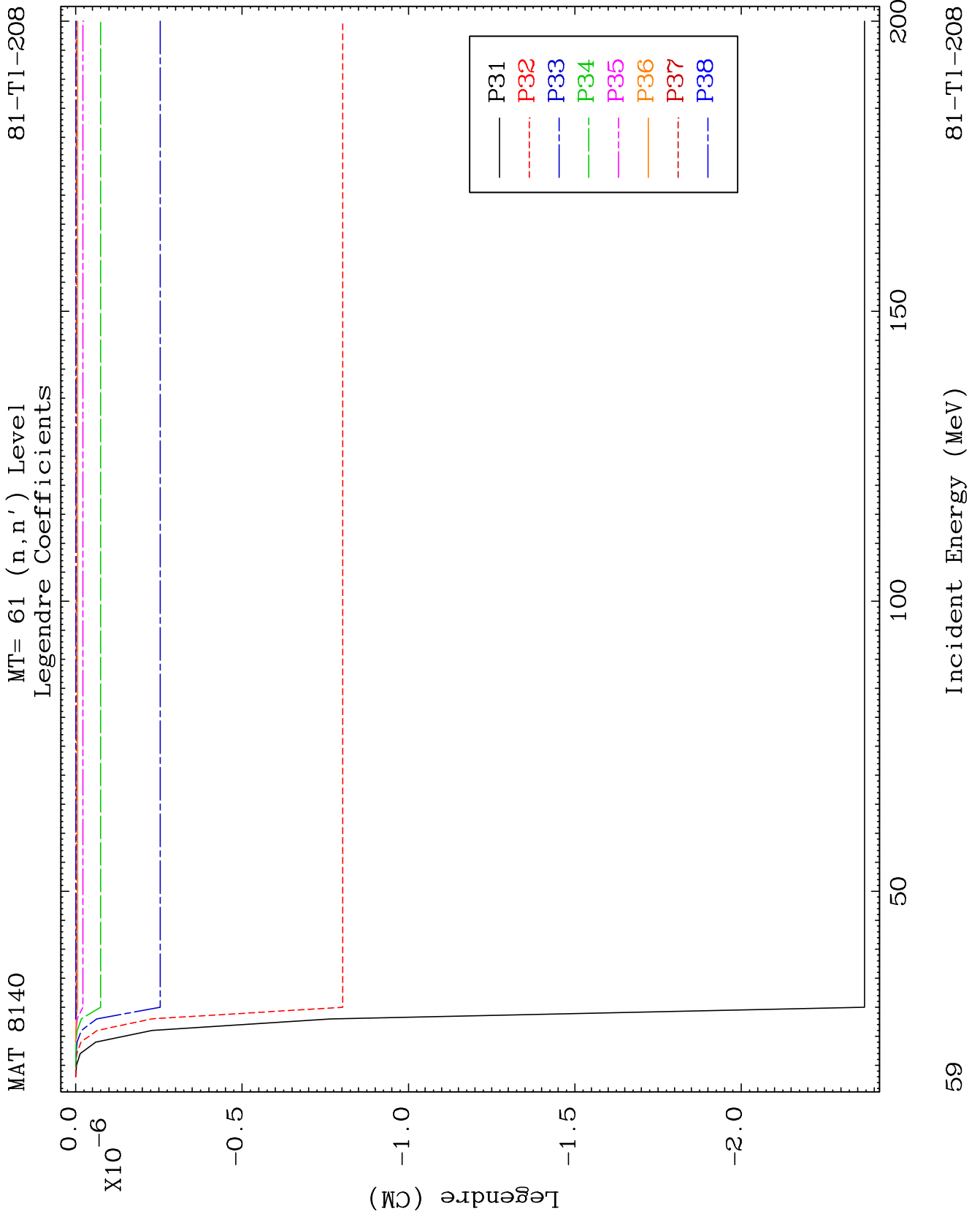
81-Tl-208



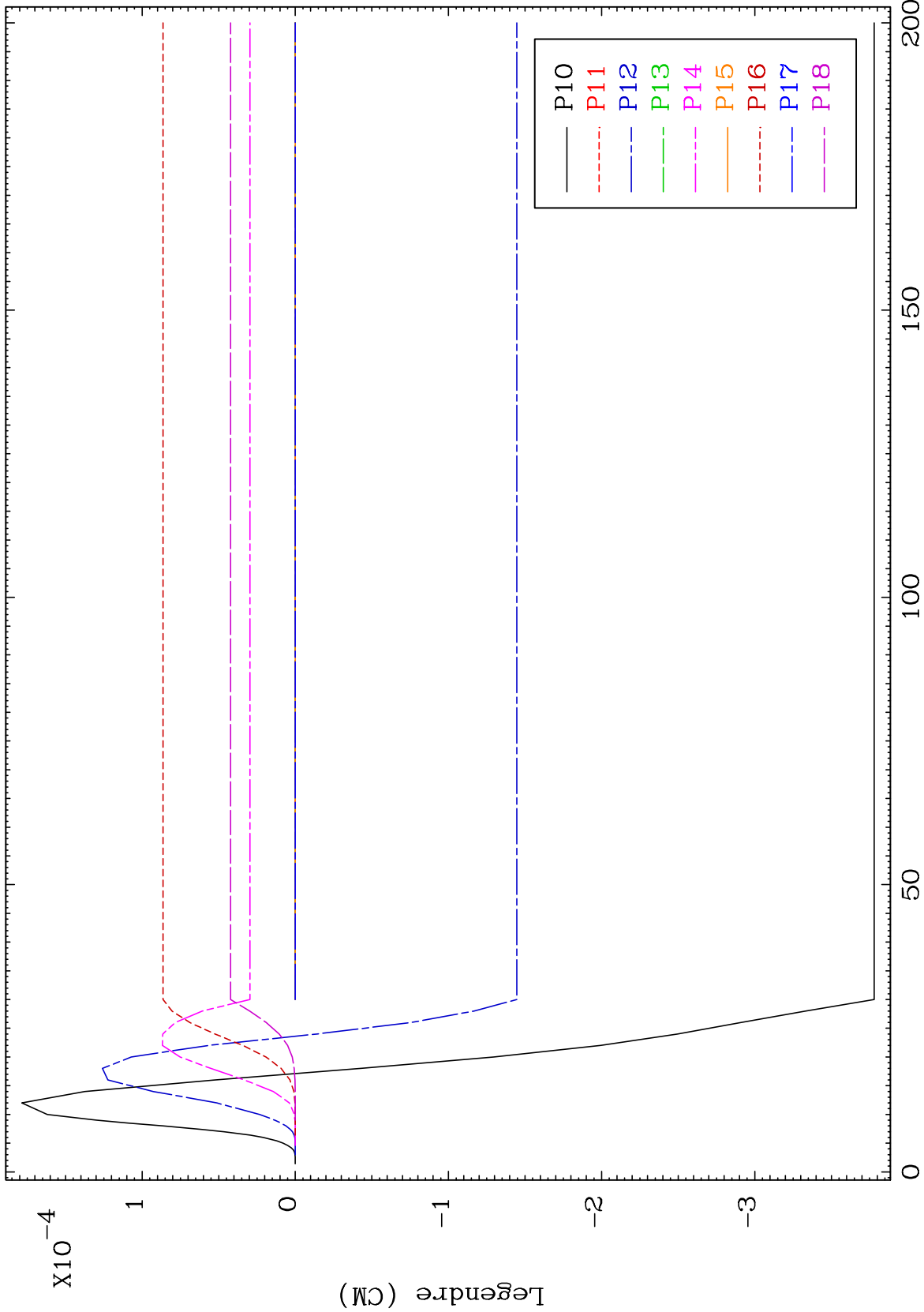
58

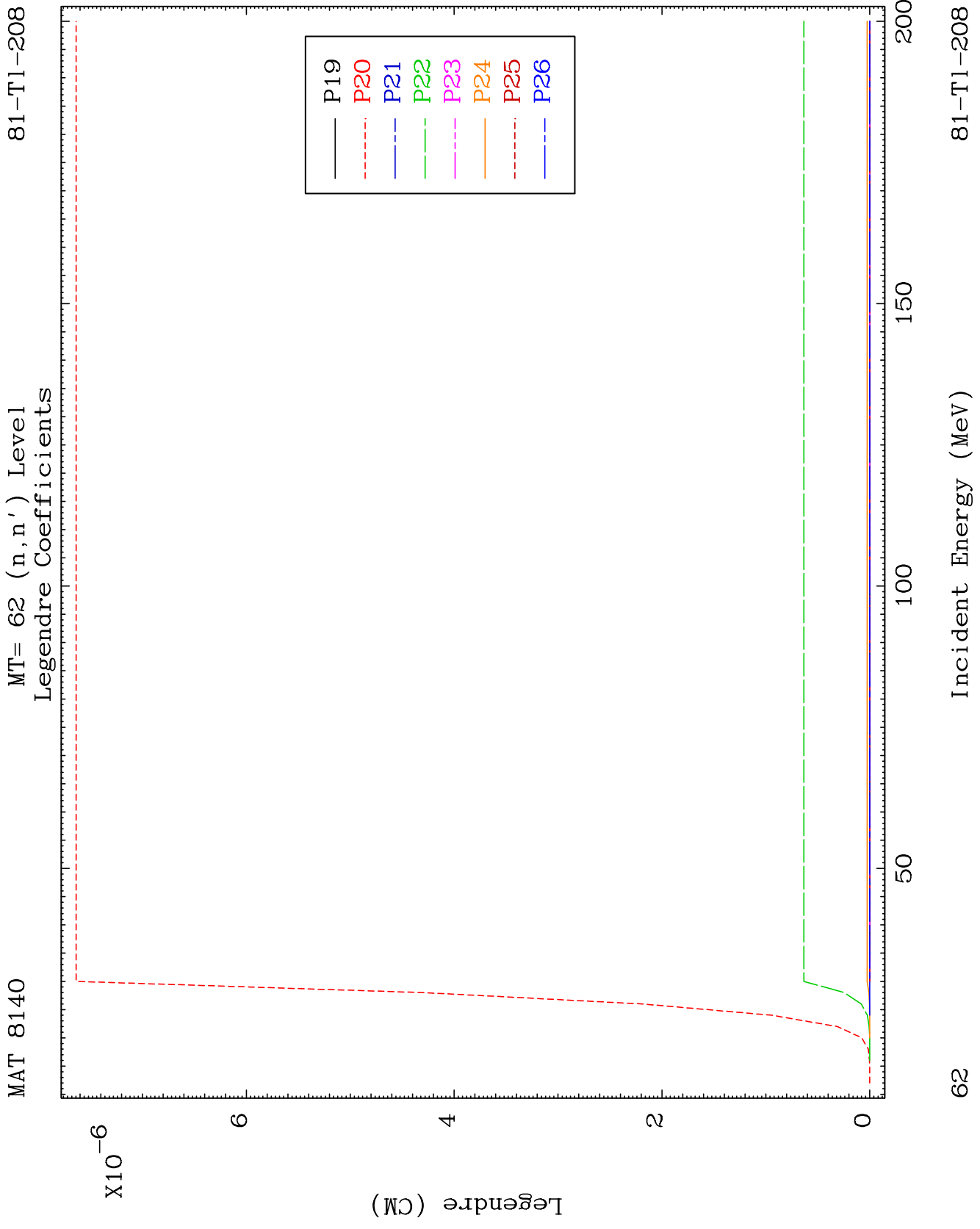
Incident Energy (MeV)

81-Tl-208





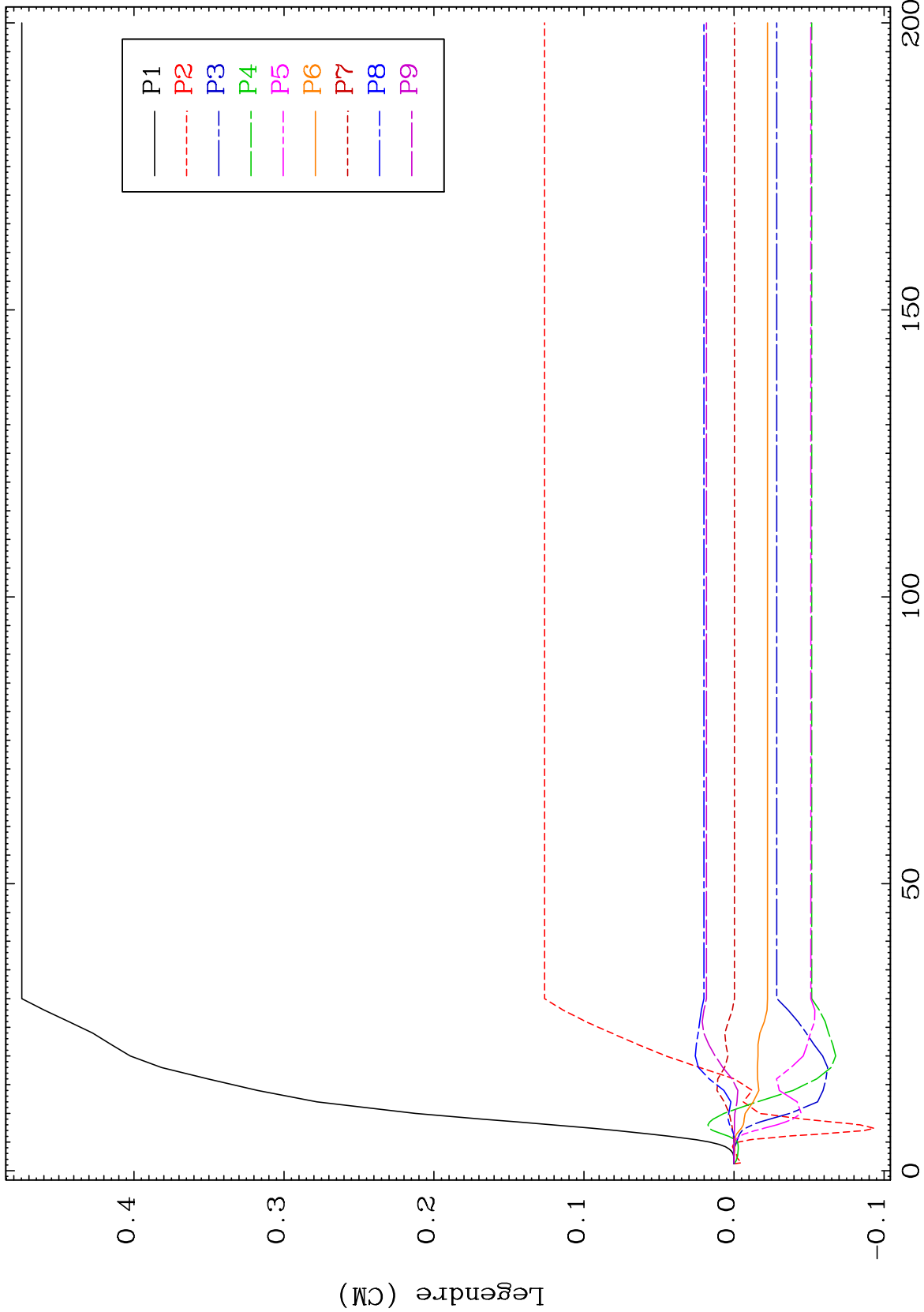




MAT 8140

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

81-T1-208



63

Incident Energy (MeV)

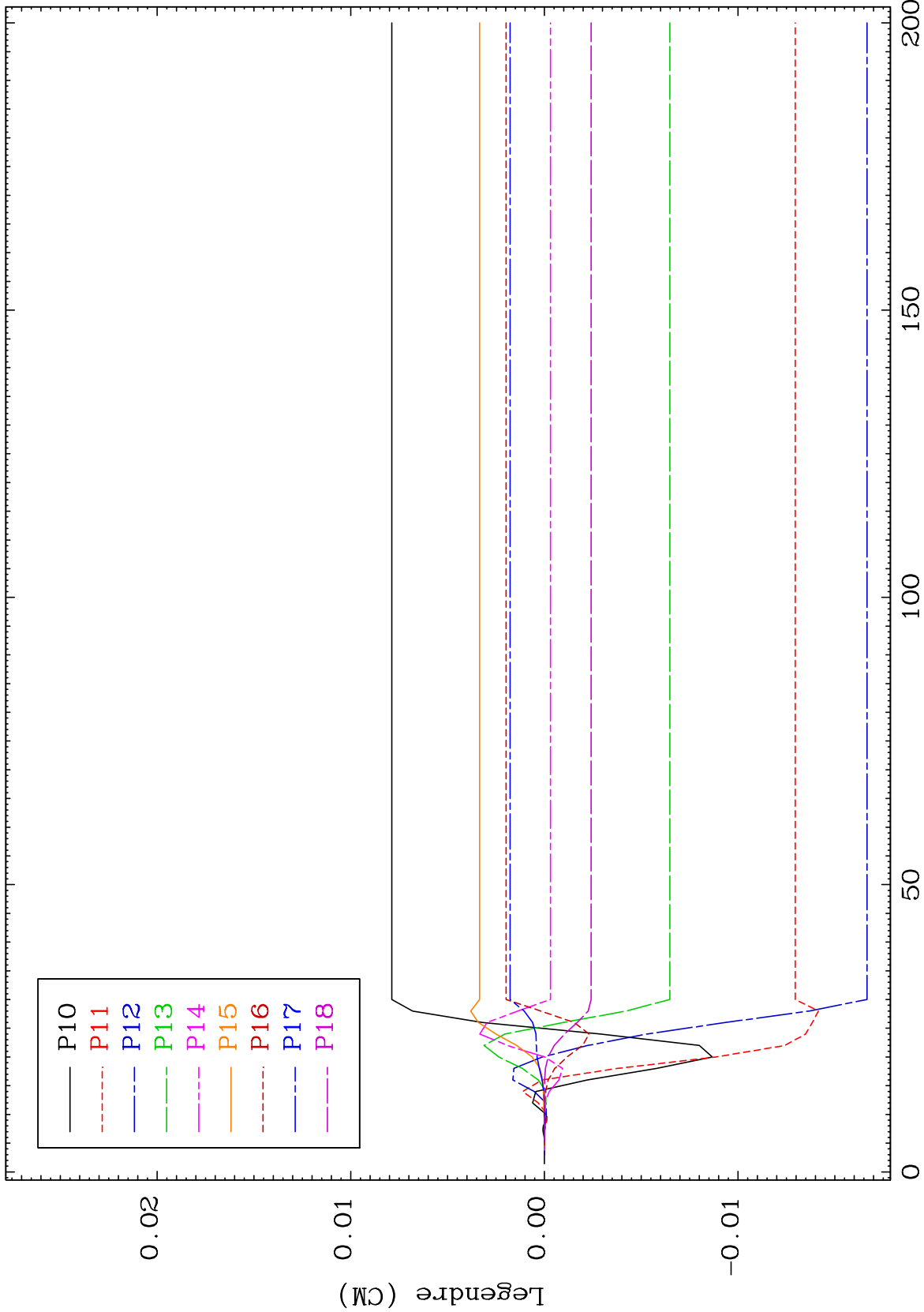
81-T1-208



MAT 8140

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

81-T1-208



64

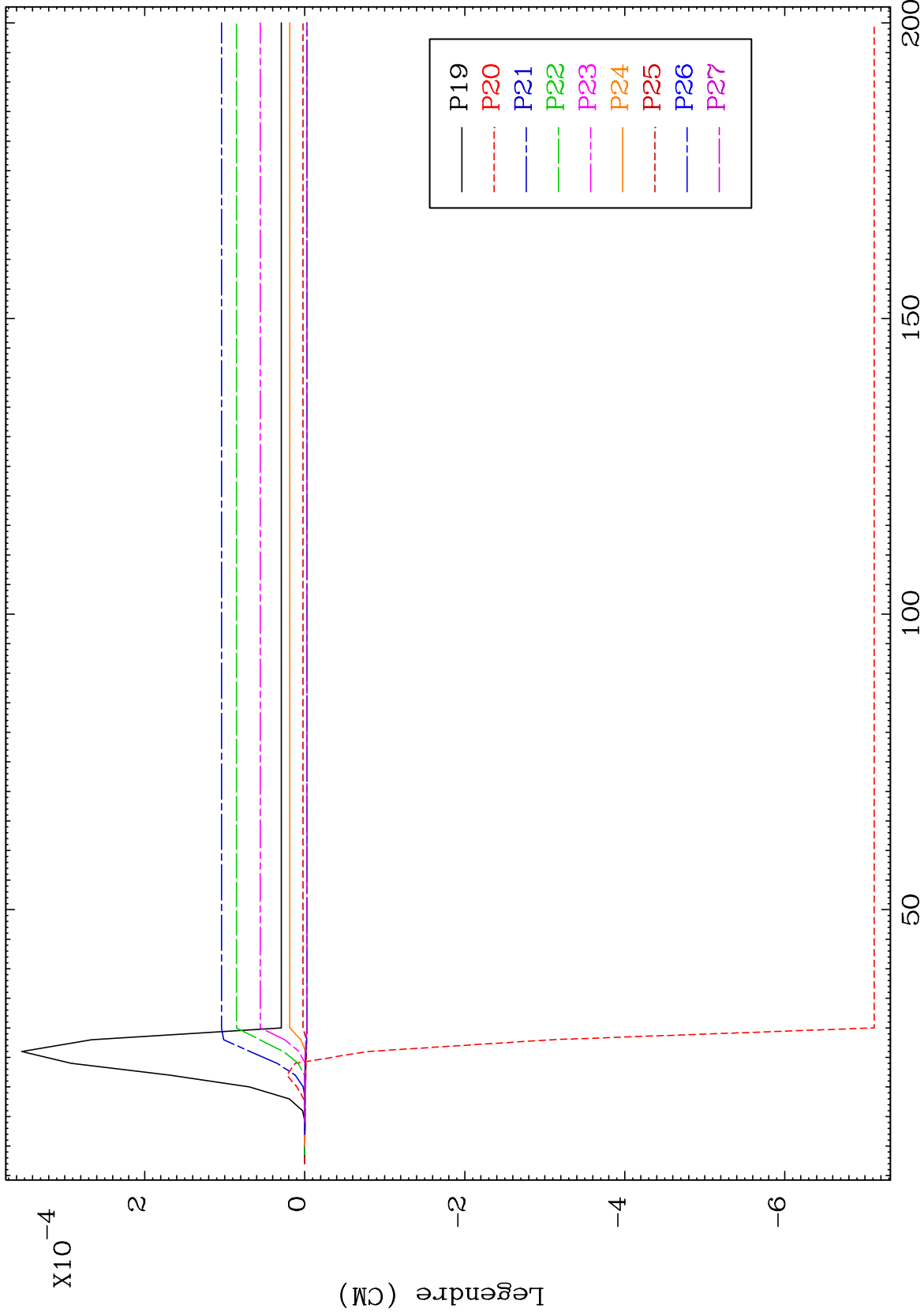
Incident Energy (MeV)

81-T1-208

MAT 8140

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

81-T1-208



65

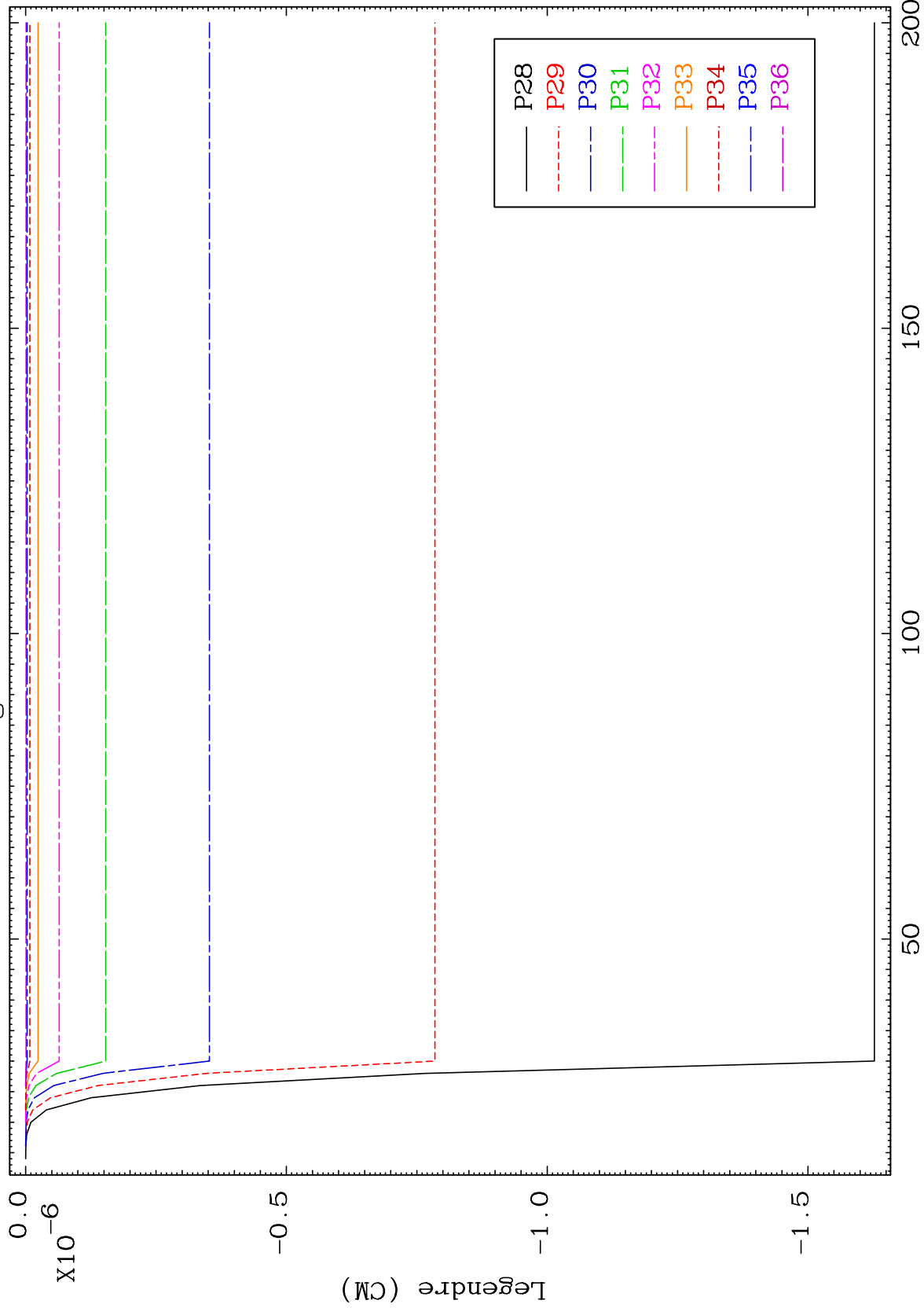
Incident Energy (MeV)

81-T1-208

MAT 8140

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

81-T1-208



66

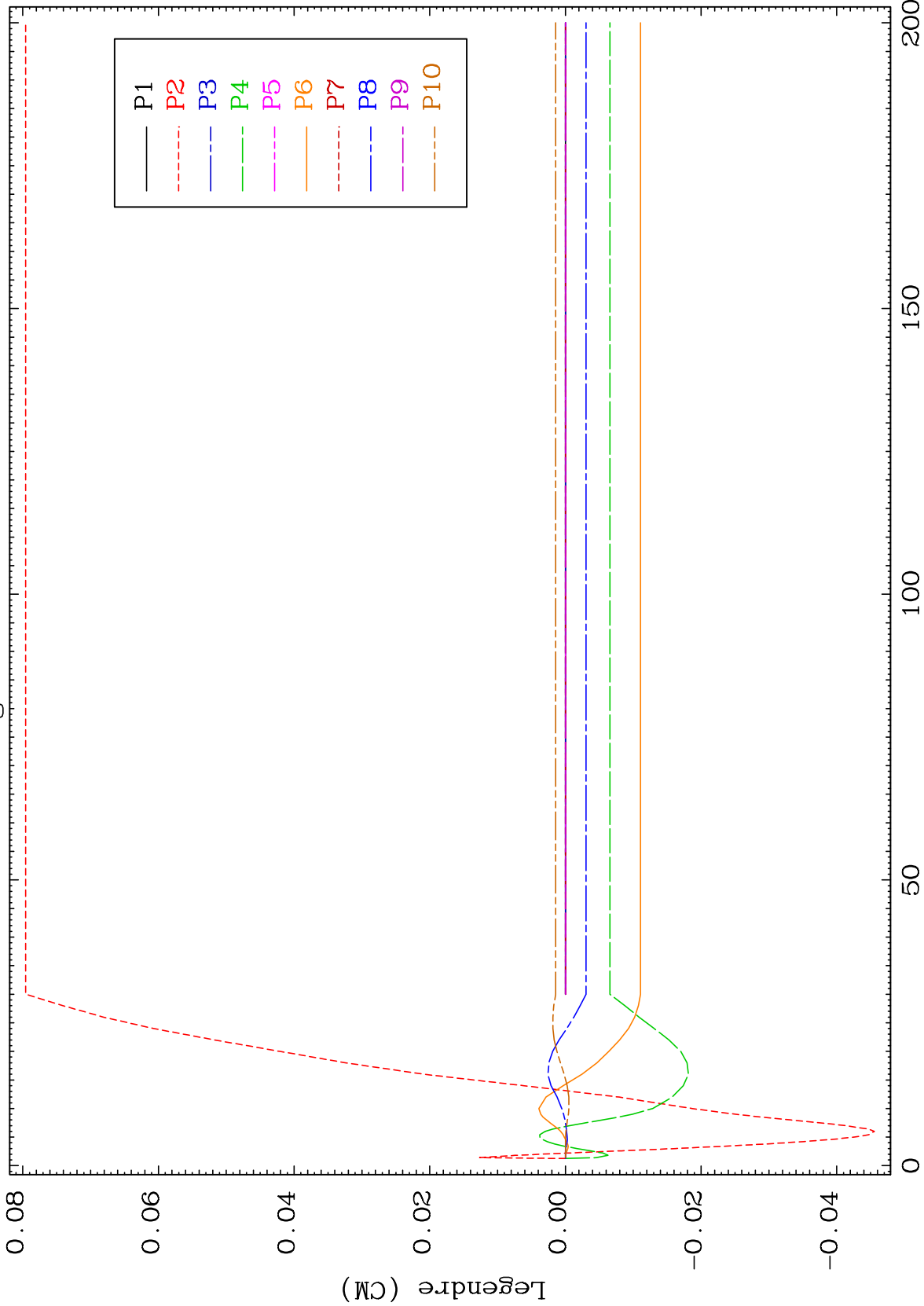
Incident Energy (MeV)

81-T1-208

MAT 8140

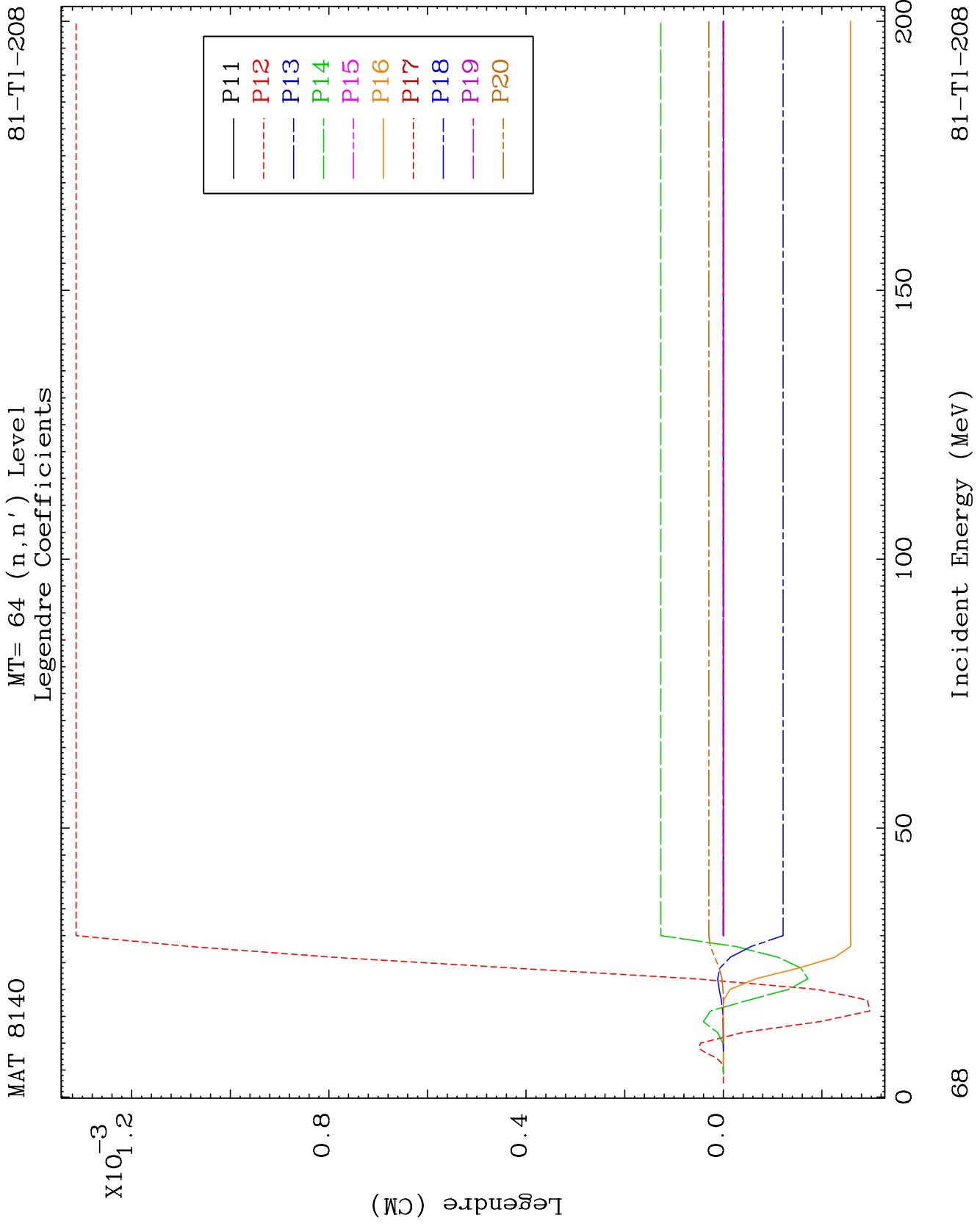
MT= 64 (n,n') Level  
Legendre Coefficients

81-T1-208



67

81-T1-208



81-Tl-208

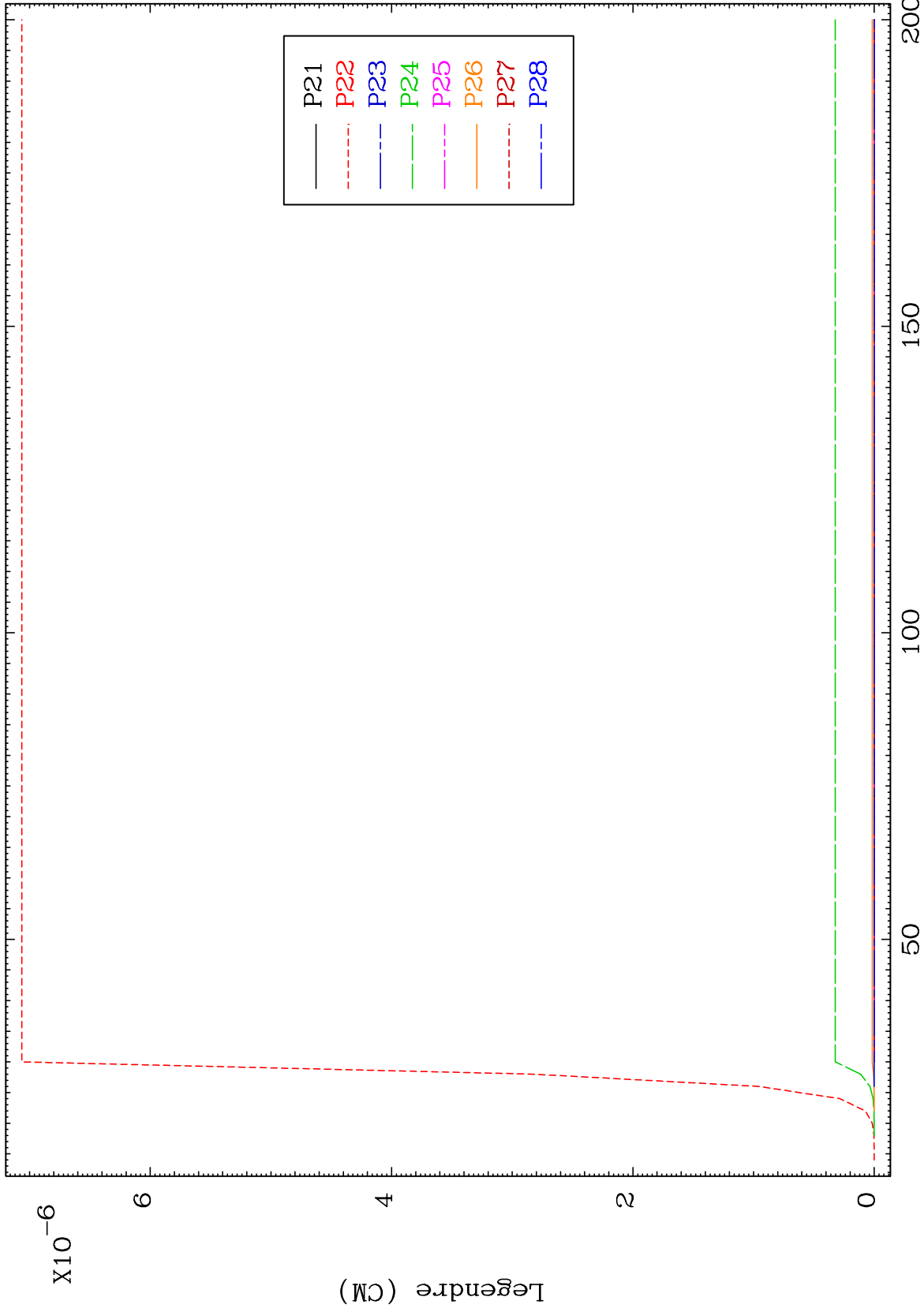
Incident Energy (MeV)

68

MAT 8140

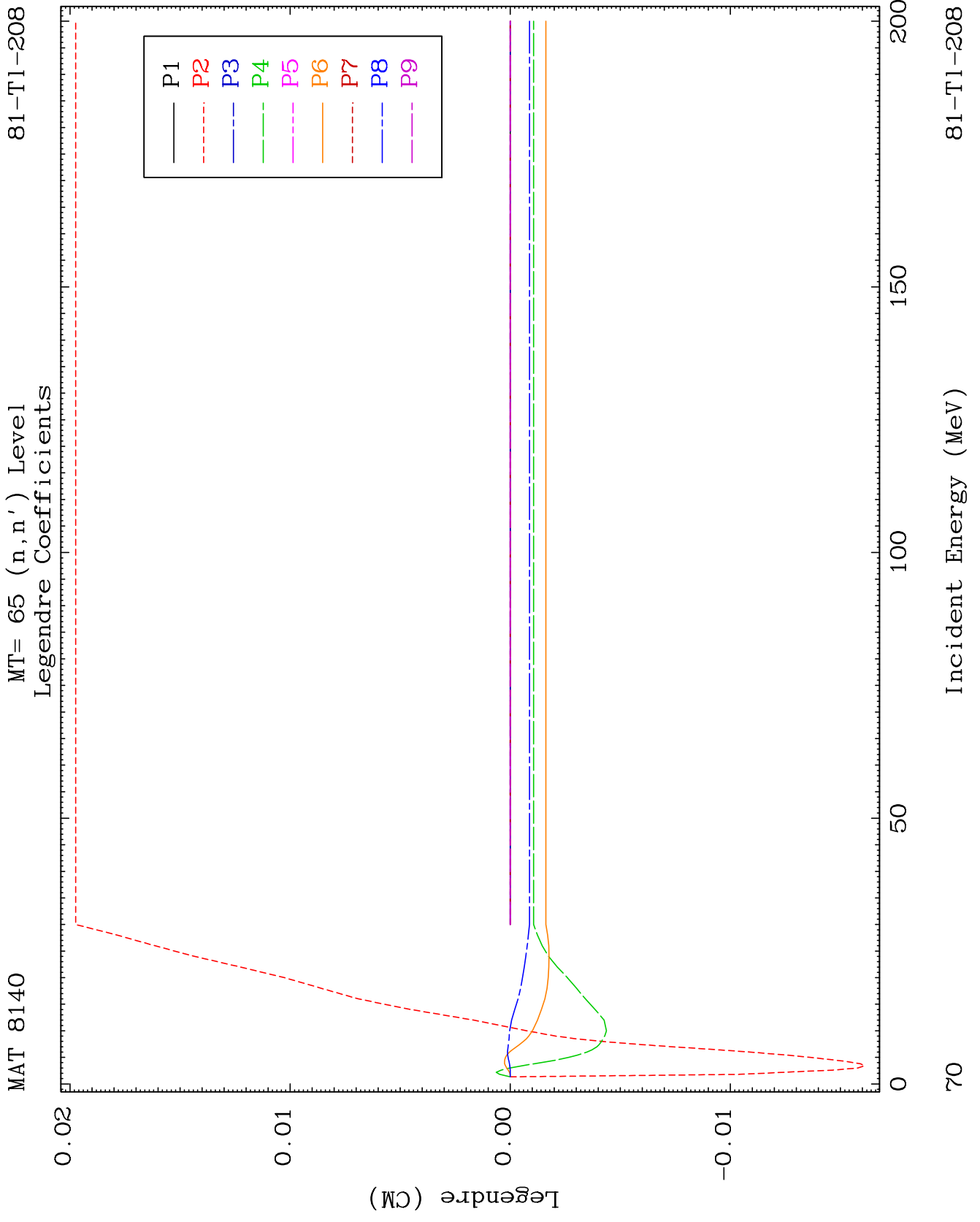
MT= 64 (n,n') Level  
Legendre Coefficients

81-T1-208



69

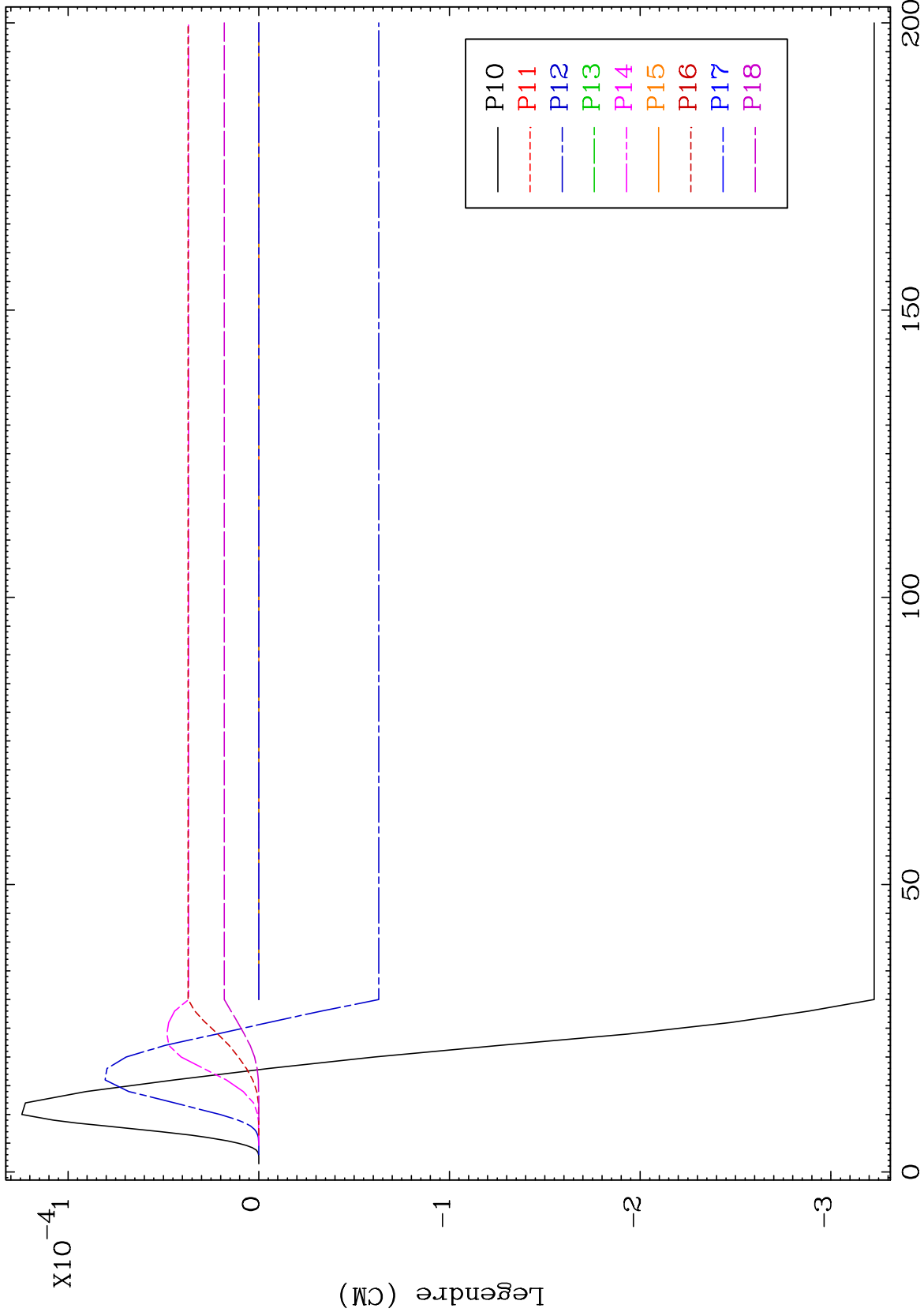
81-T1-208



MAT 8140

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

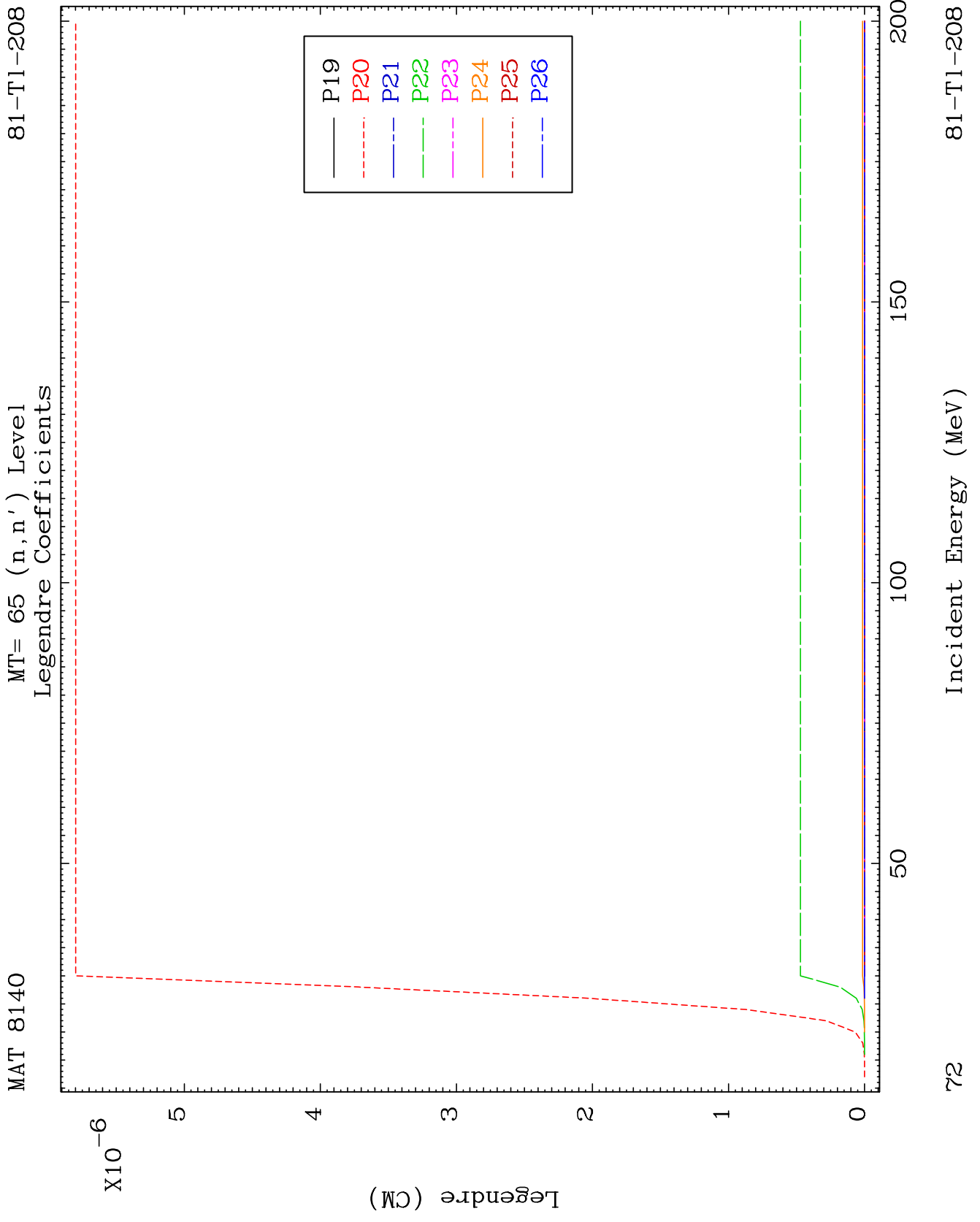
81-T1-208



71

81-T1-208

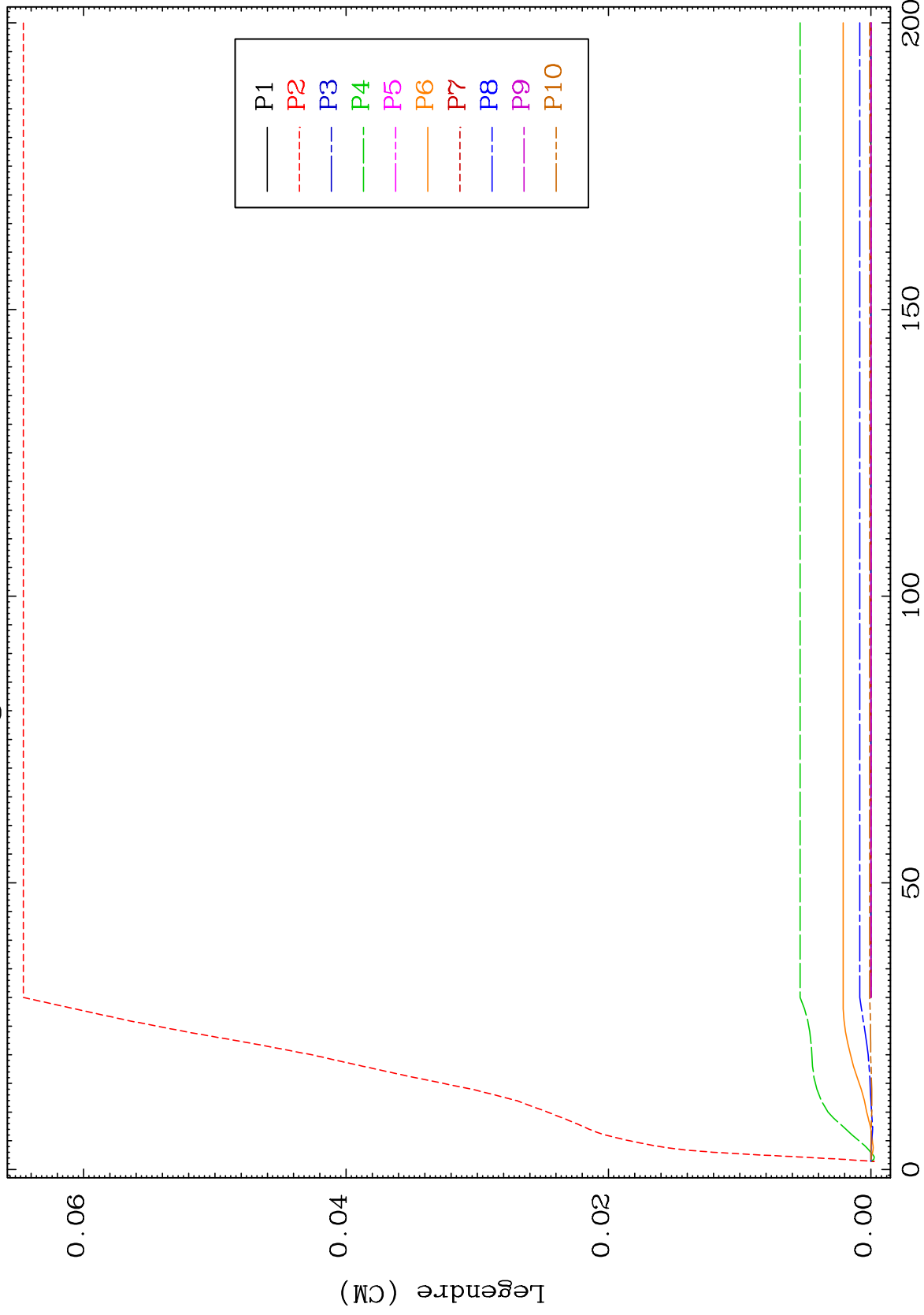




MAT 8140

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

81-T1-208



73

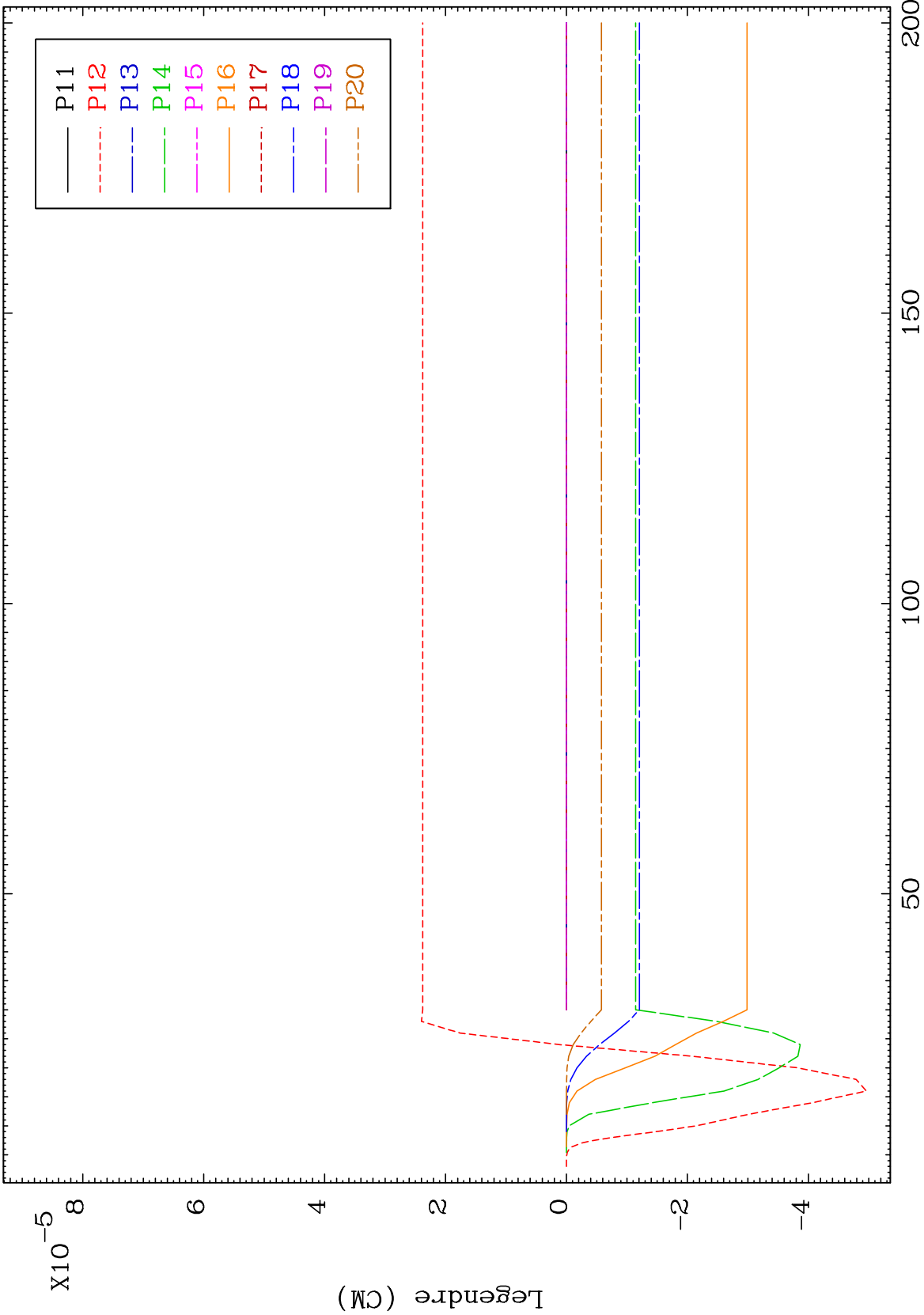
Incident Energy (MeV)

81-T1-208

MAT 8140

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

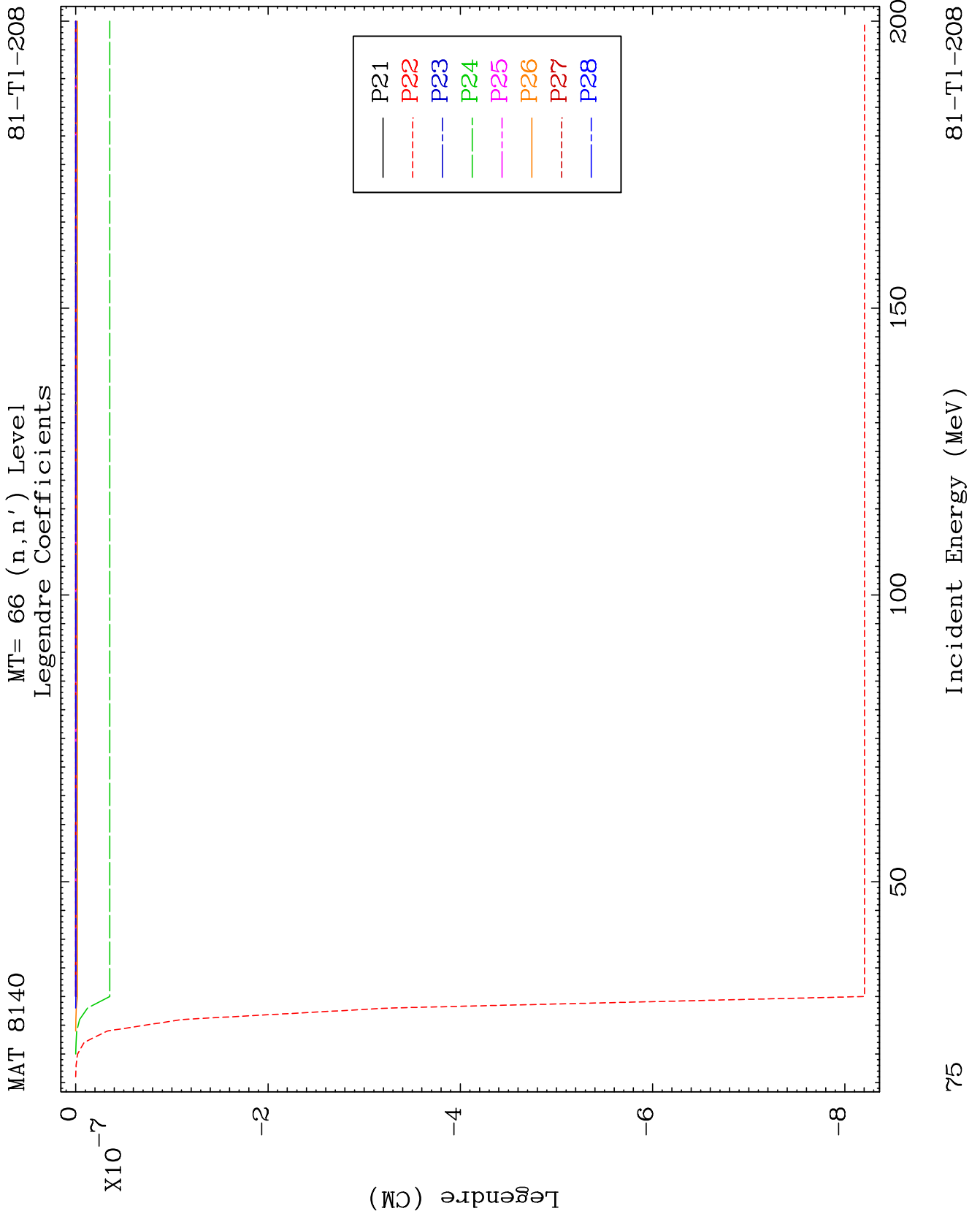
81-T1-208



74

Incident Energy (MeV)

81-T1-208

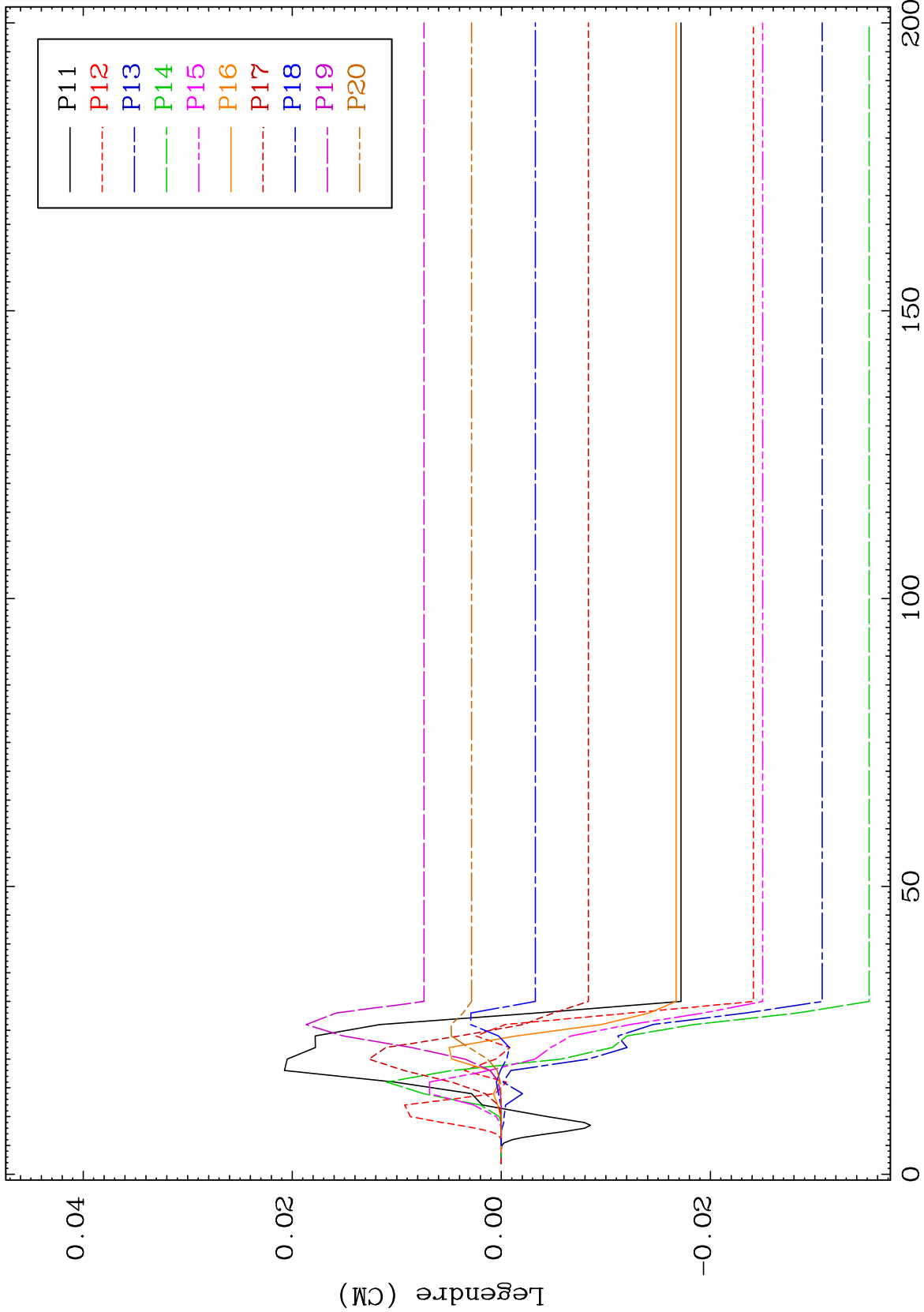




MAT 8140

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

81-T1-208



77

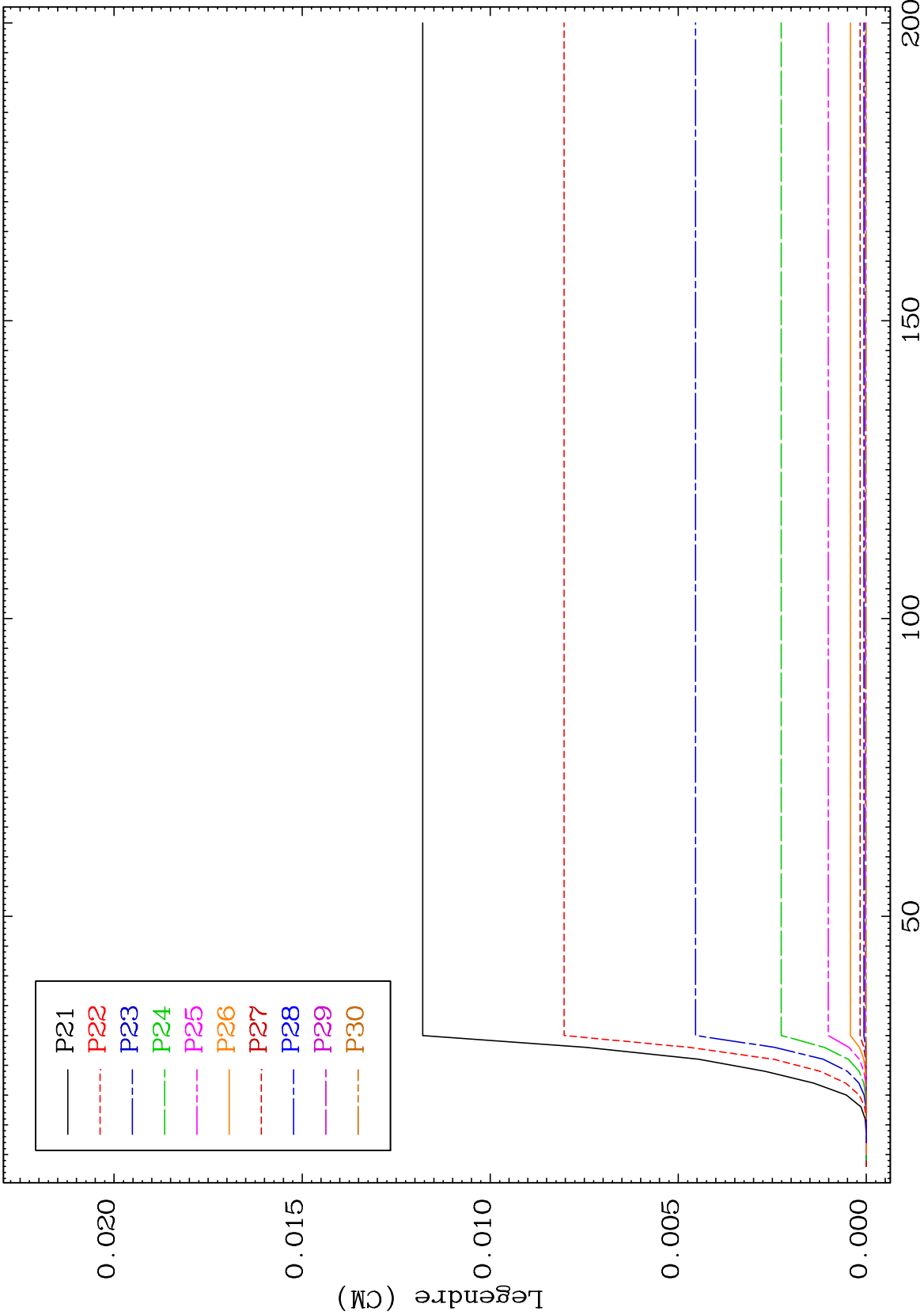
Incident Energy (MeV)

81-T1-208

MAT 8140

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

81-Tl-208



78

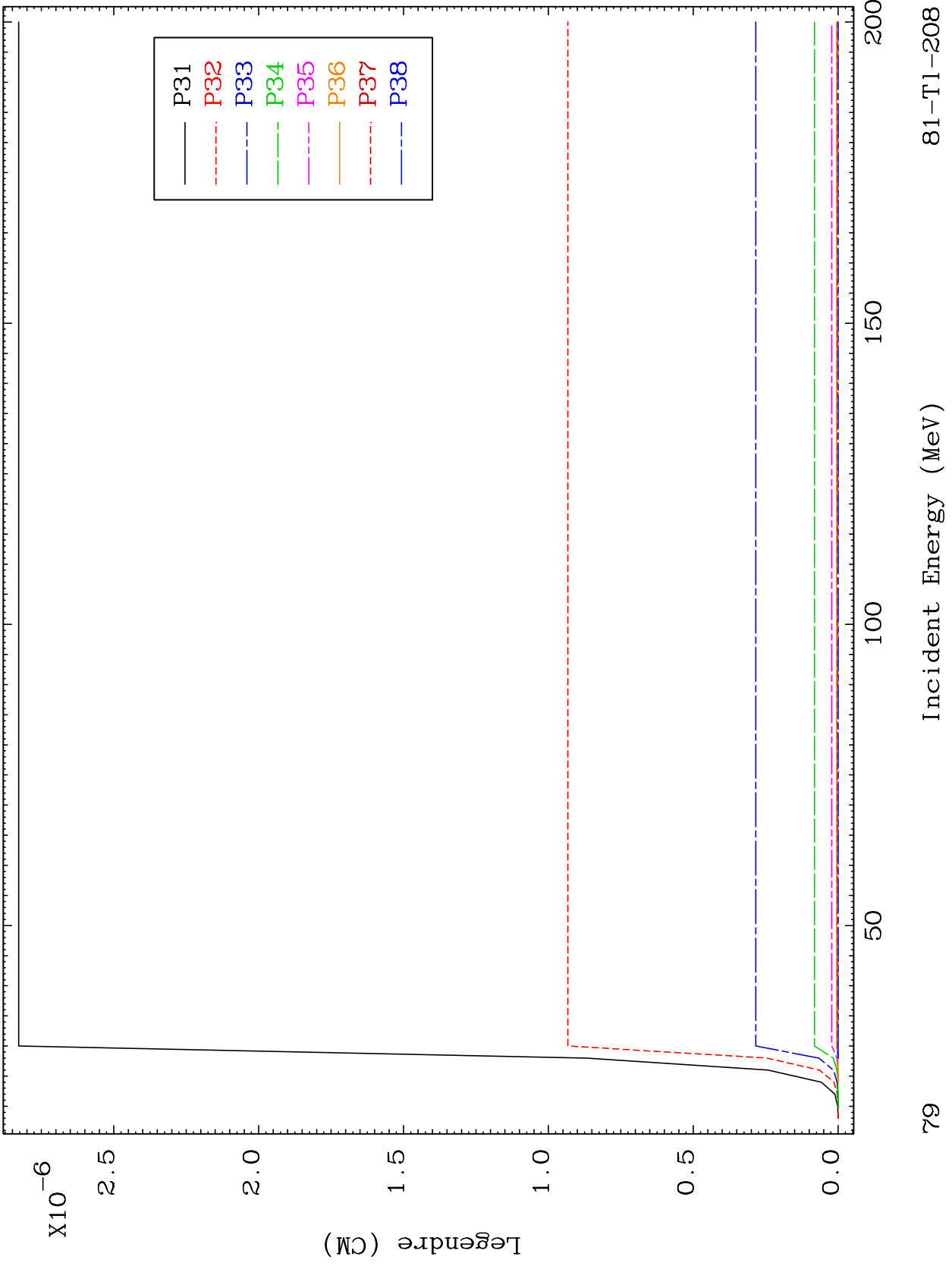
Incident Energy (MeV)

81-Tl-208

MAT 8140

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

81-T1-208



79

Incident Energy (MeV)

81-T1-208

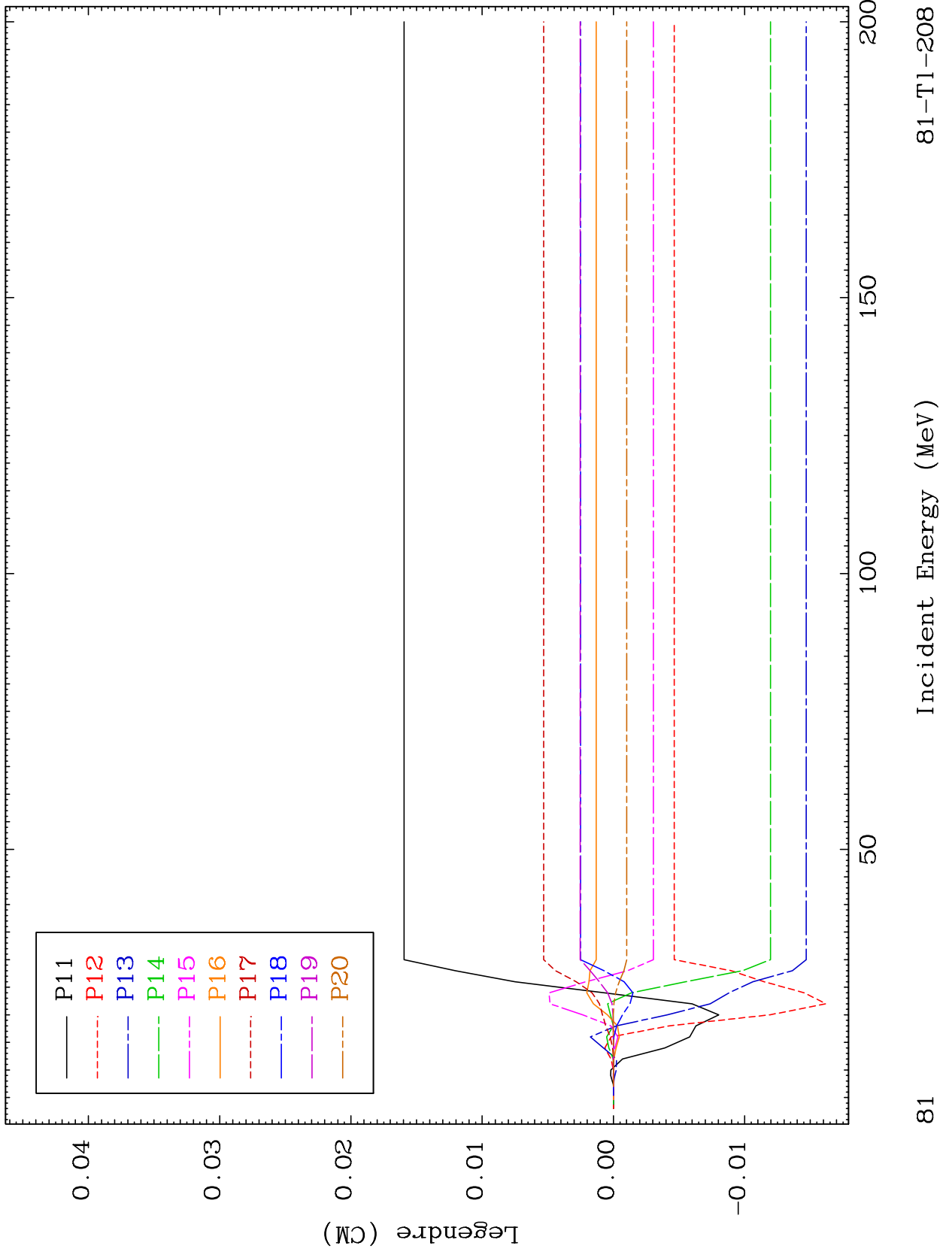


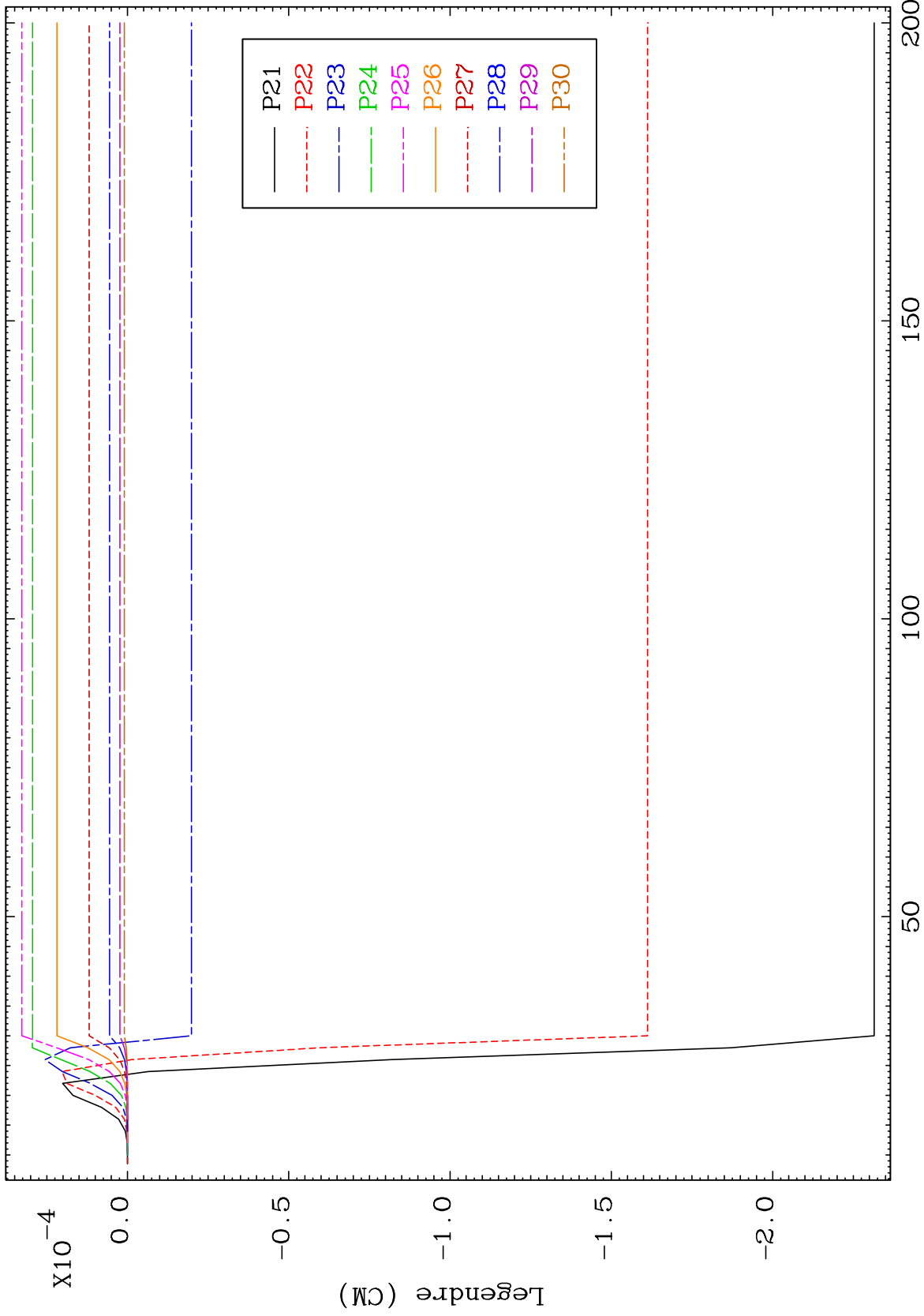


MAT 8140

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

81-T1-208

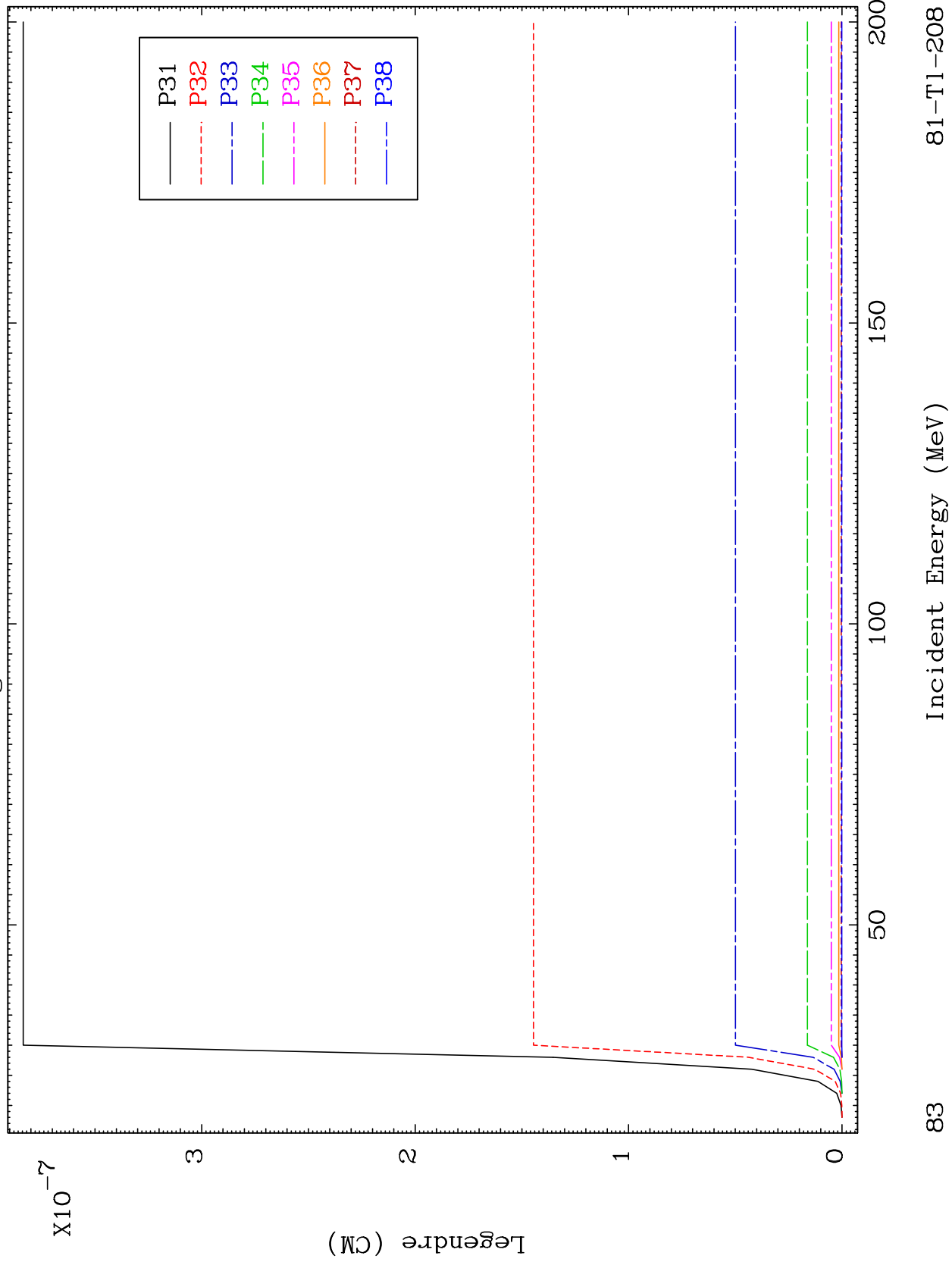


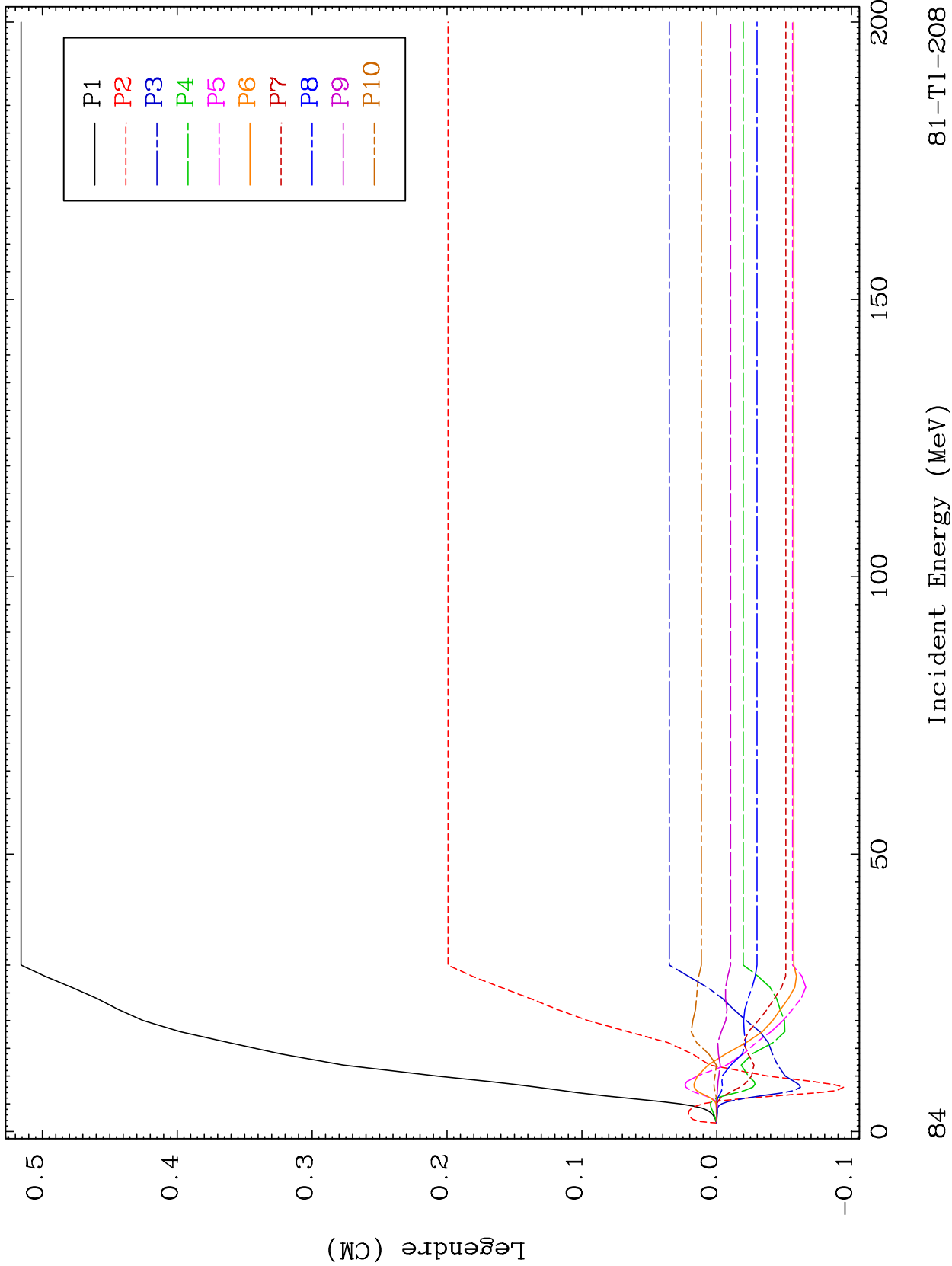


MAT 8140

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

81-T1-208

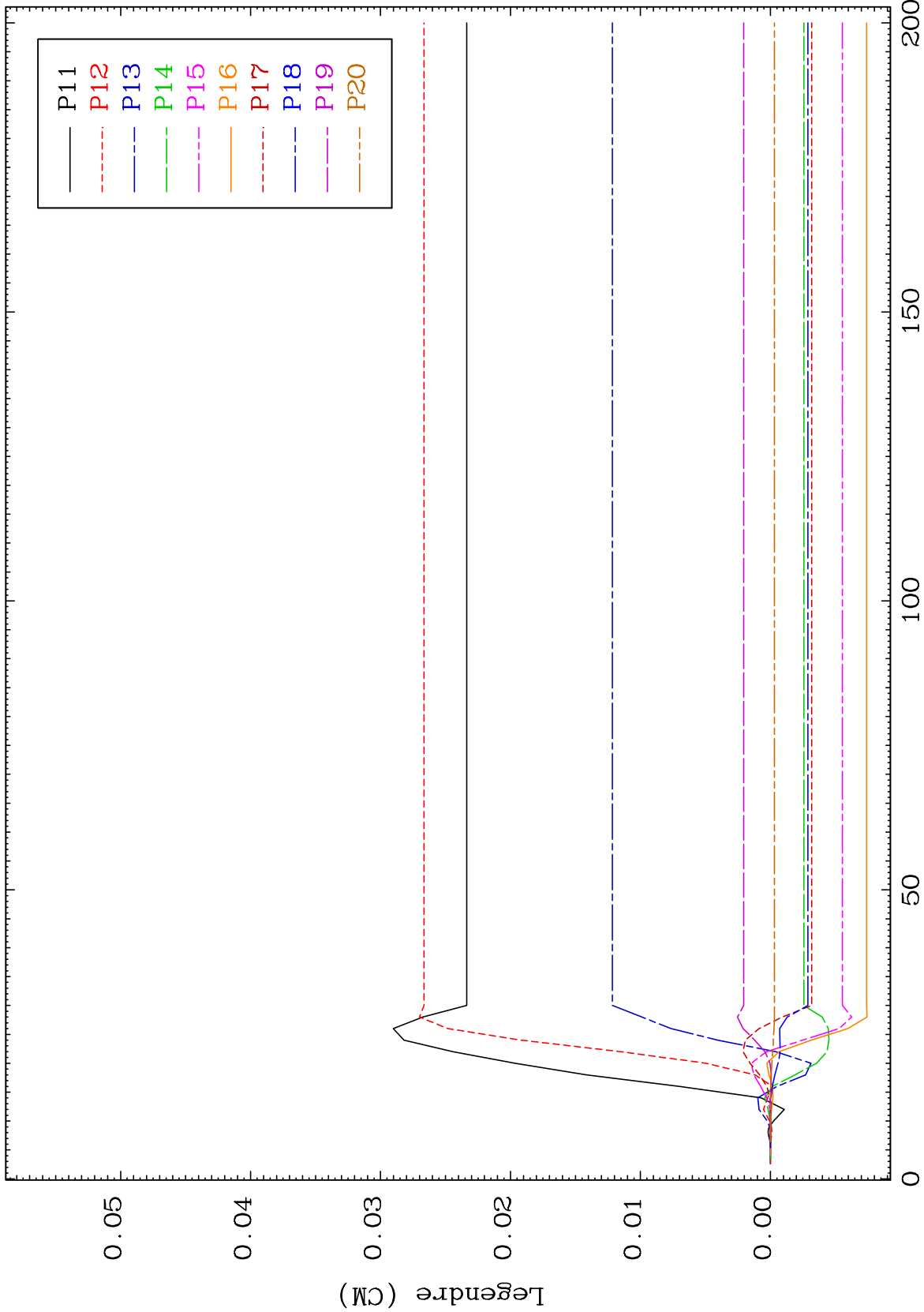




MAT 8140

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

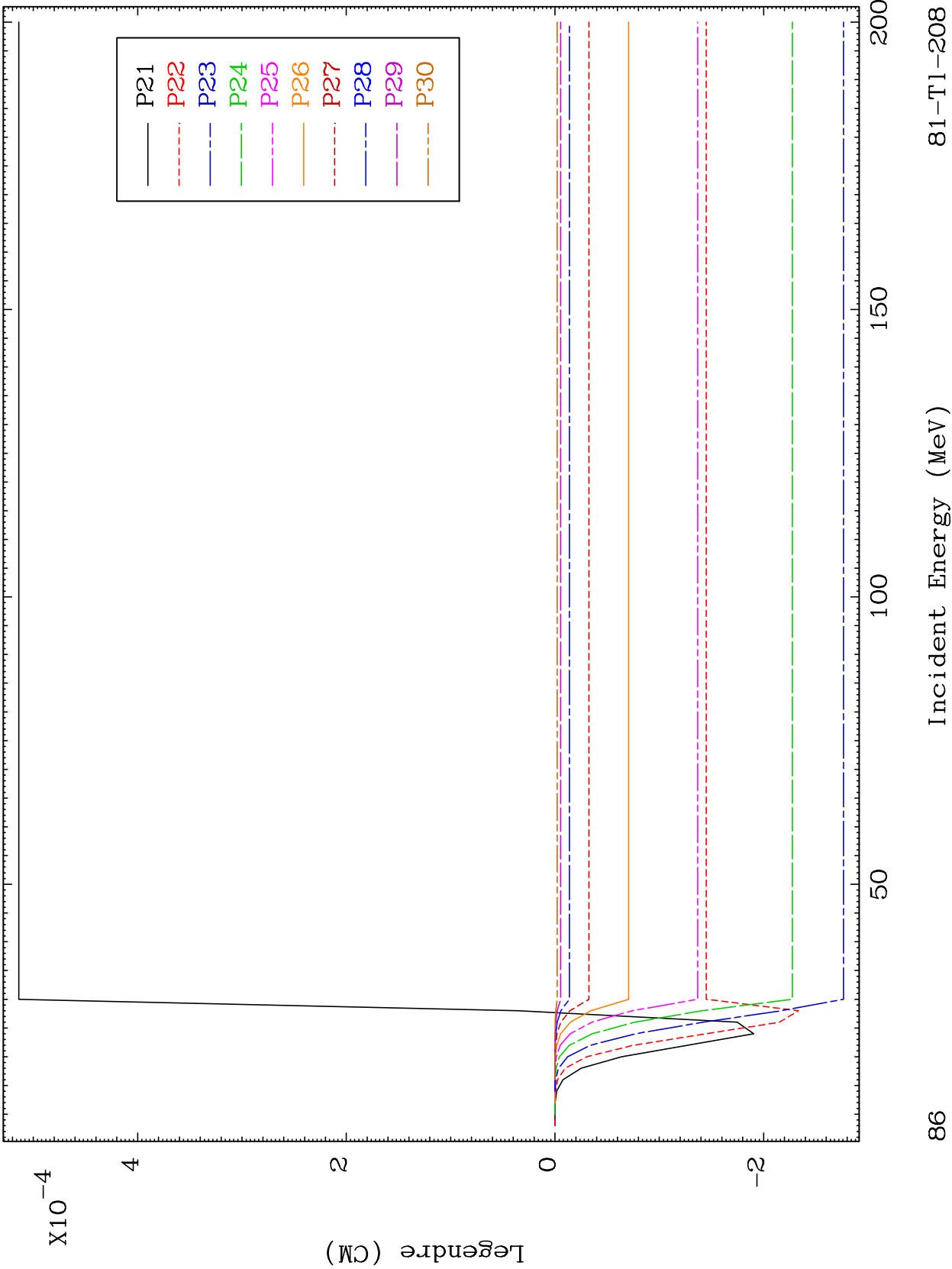
81-Tl-208



85

Incident Energy (MeV)

81-Tl-208



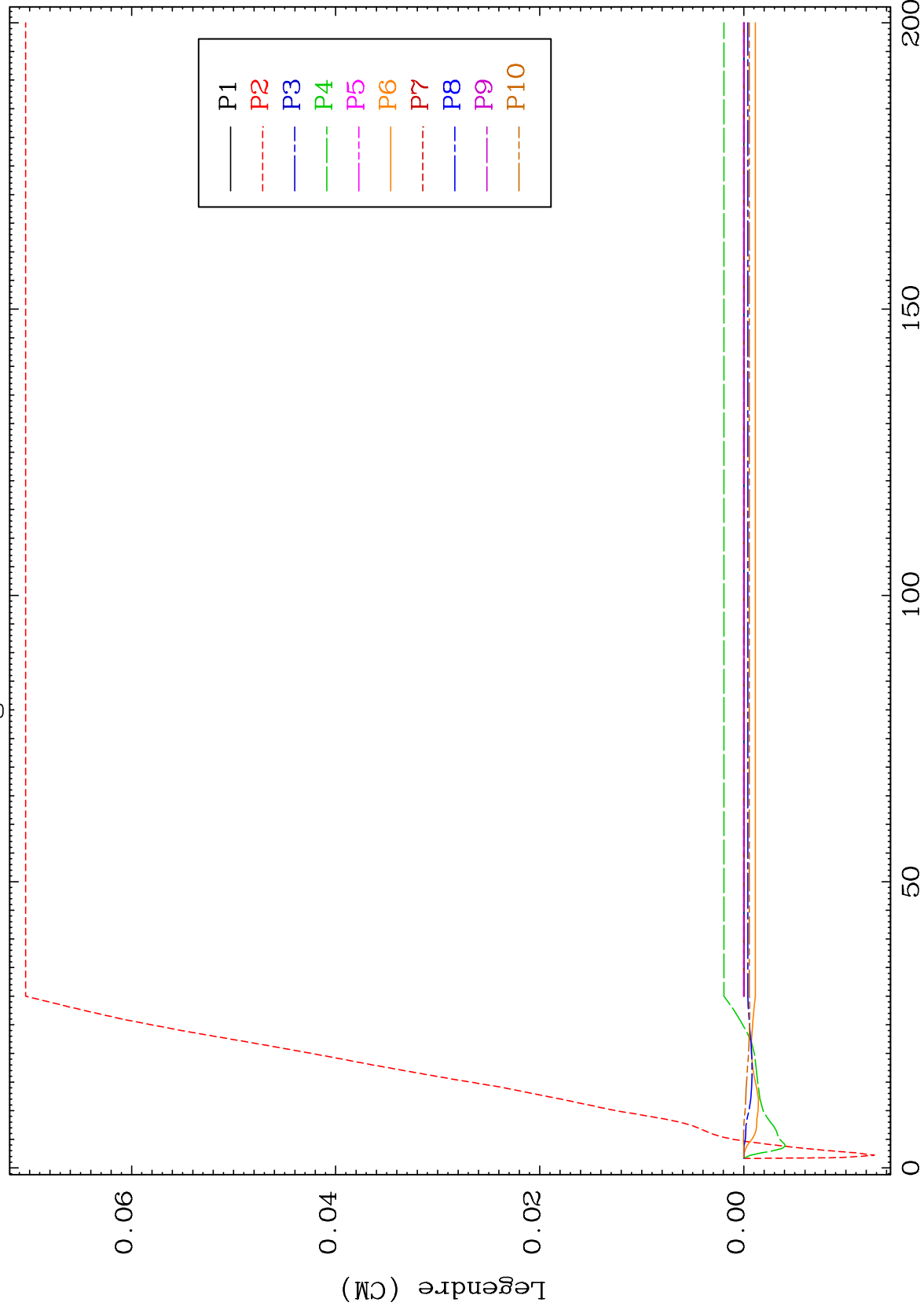




MAT 8140

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

81-T1-208



88

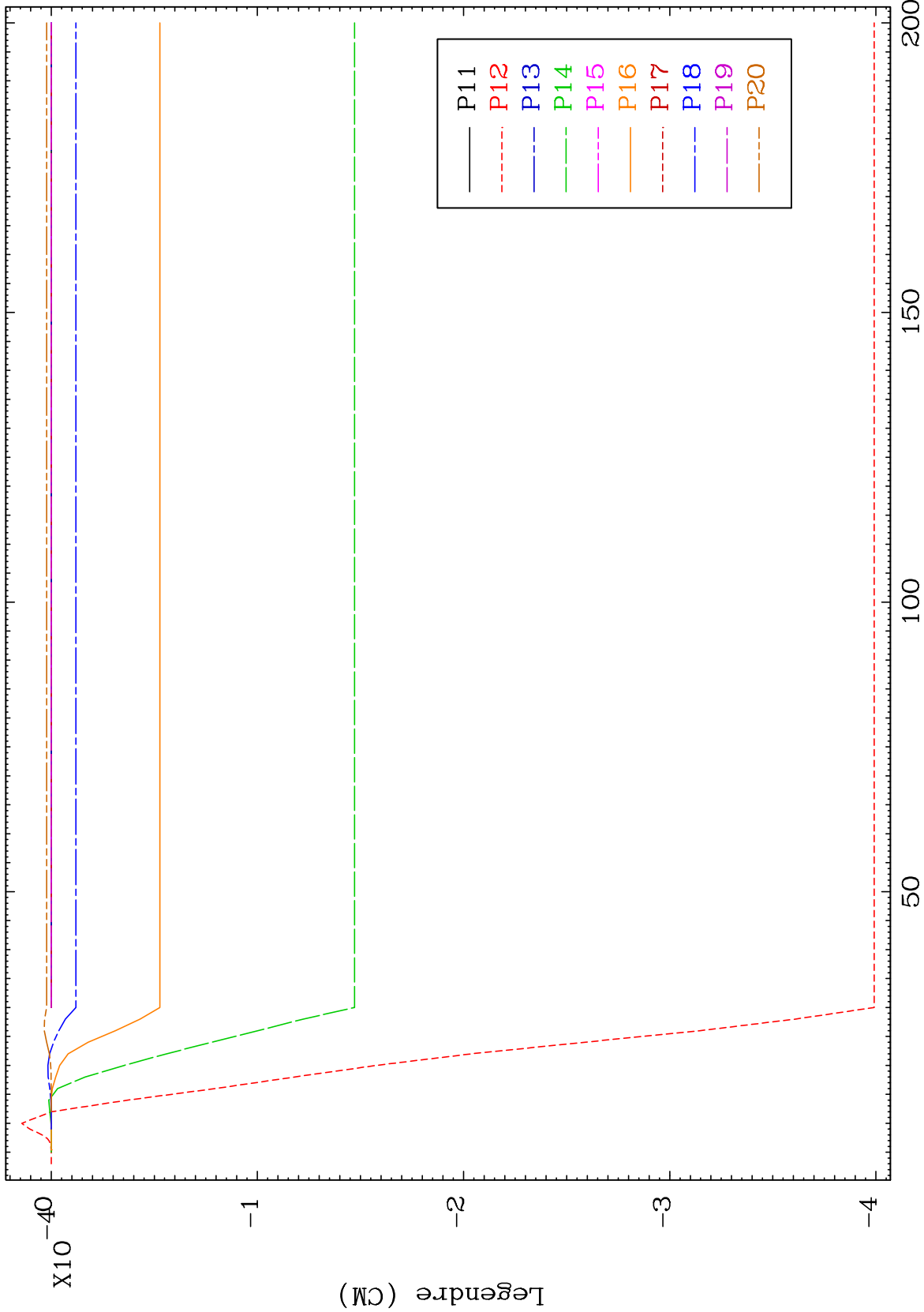
Incident Energy (MeV)

81-T1-208

MAT 8140

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

81-T1-208



89

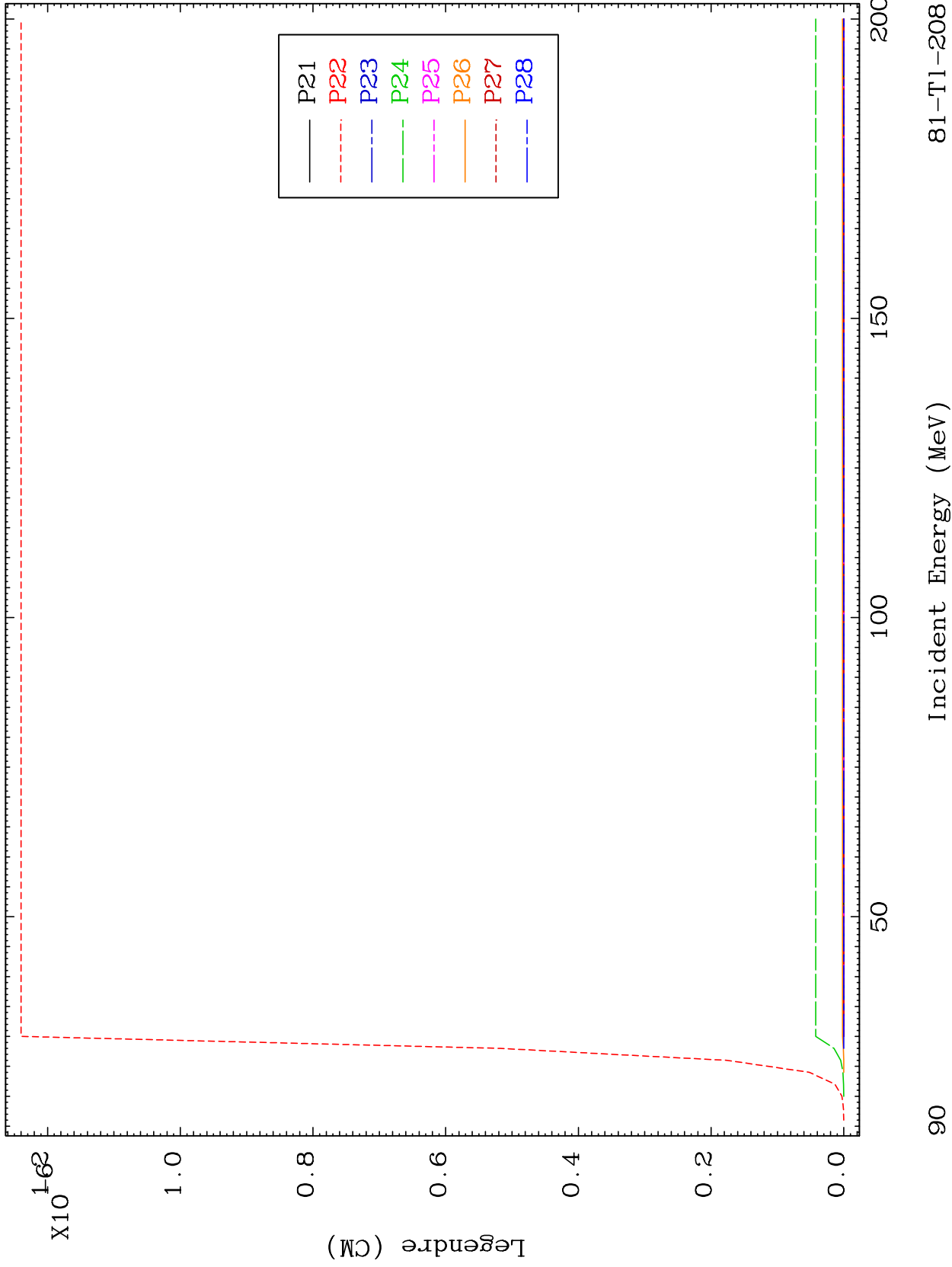
Incident Energy (MeV)

81-T1-208

MAT 8140

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

81-Tl-208

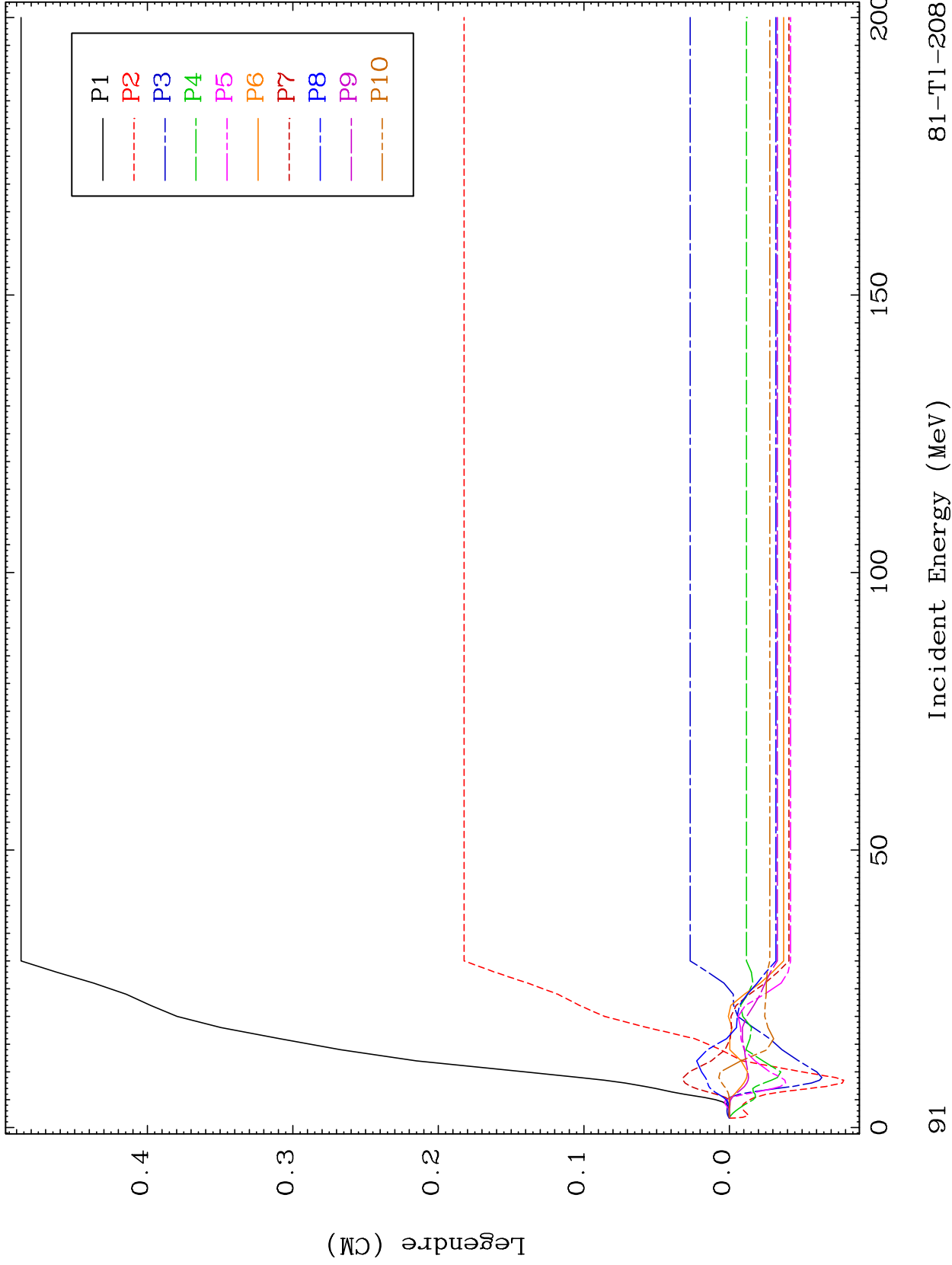


81-Tl-208

MAT 8140

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

81-Tl-208



81-Tl-208

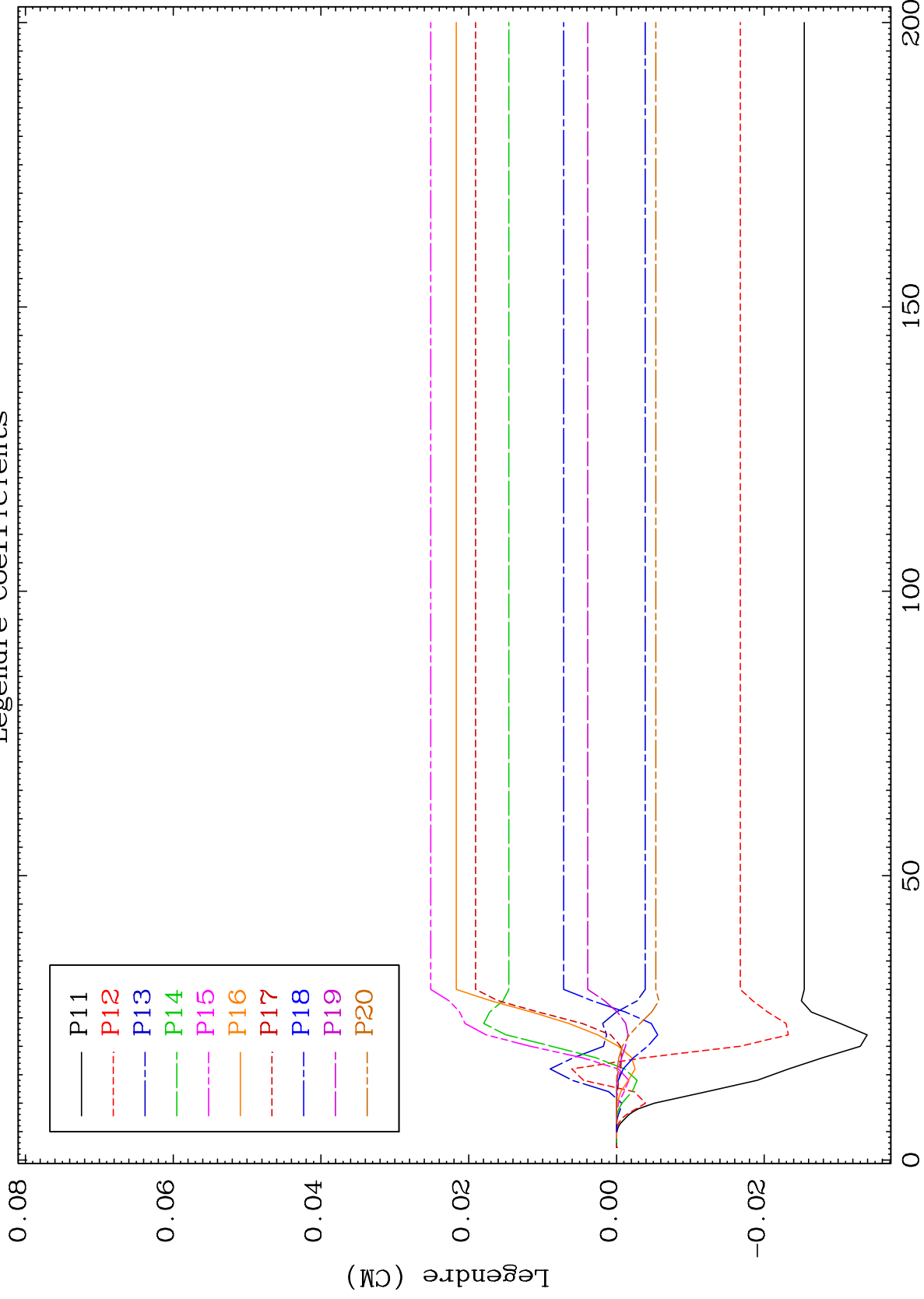
Incident Energy (MeV)

91

MAT 8140

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

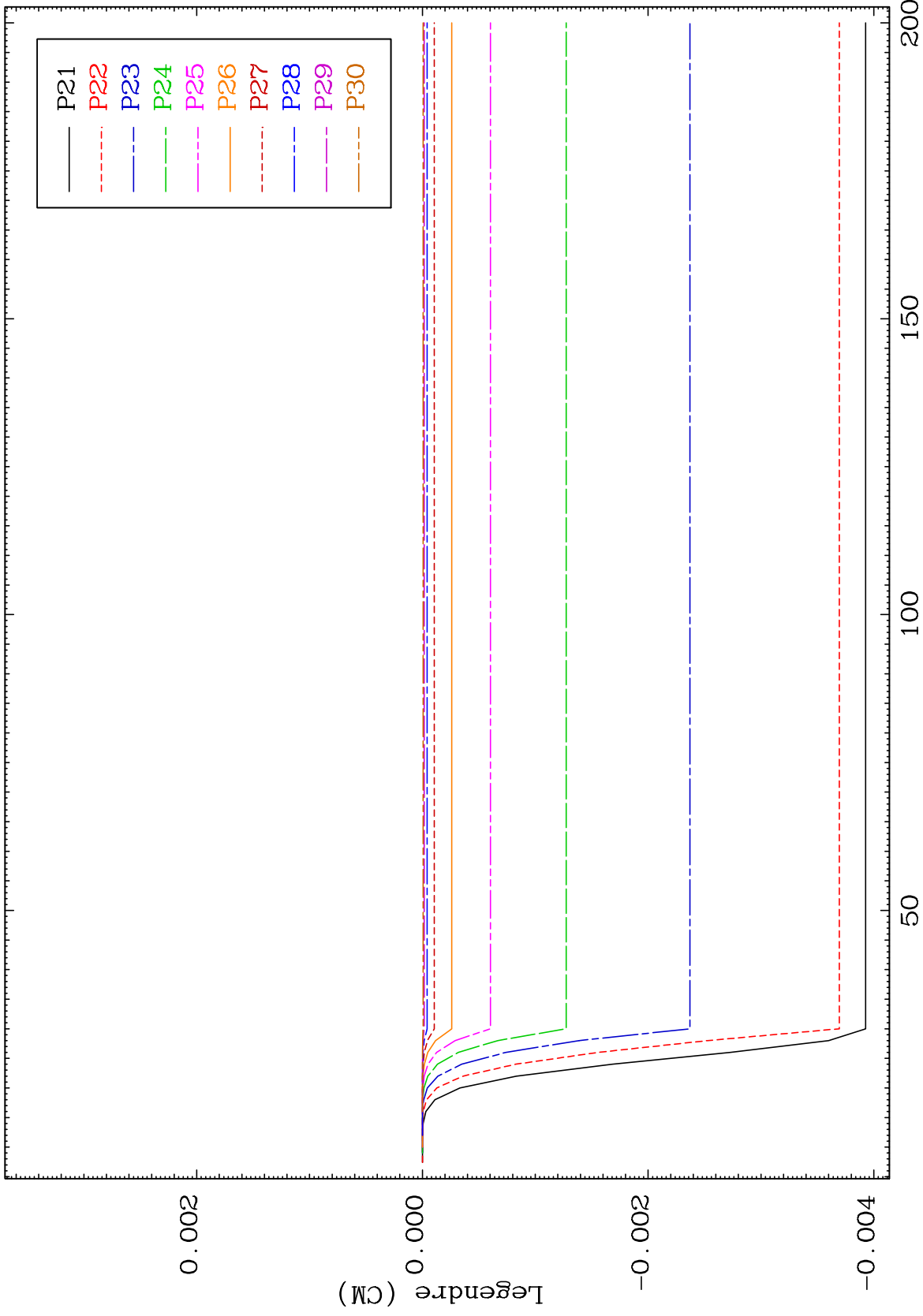
81-T1-208

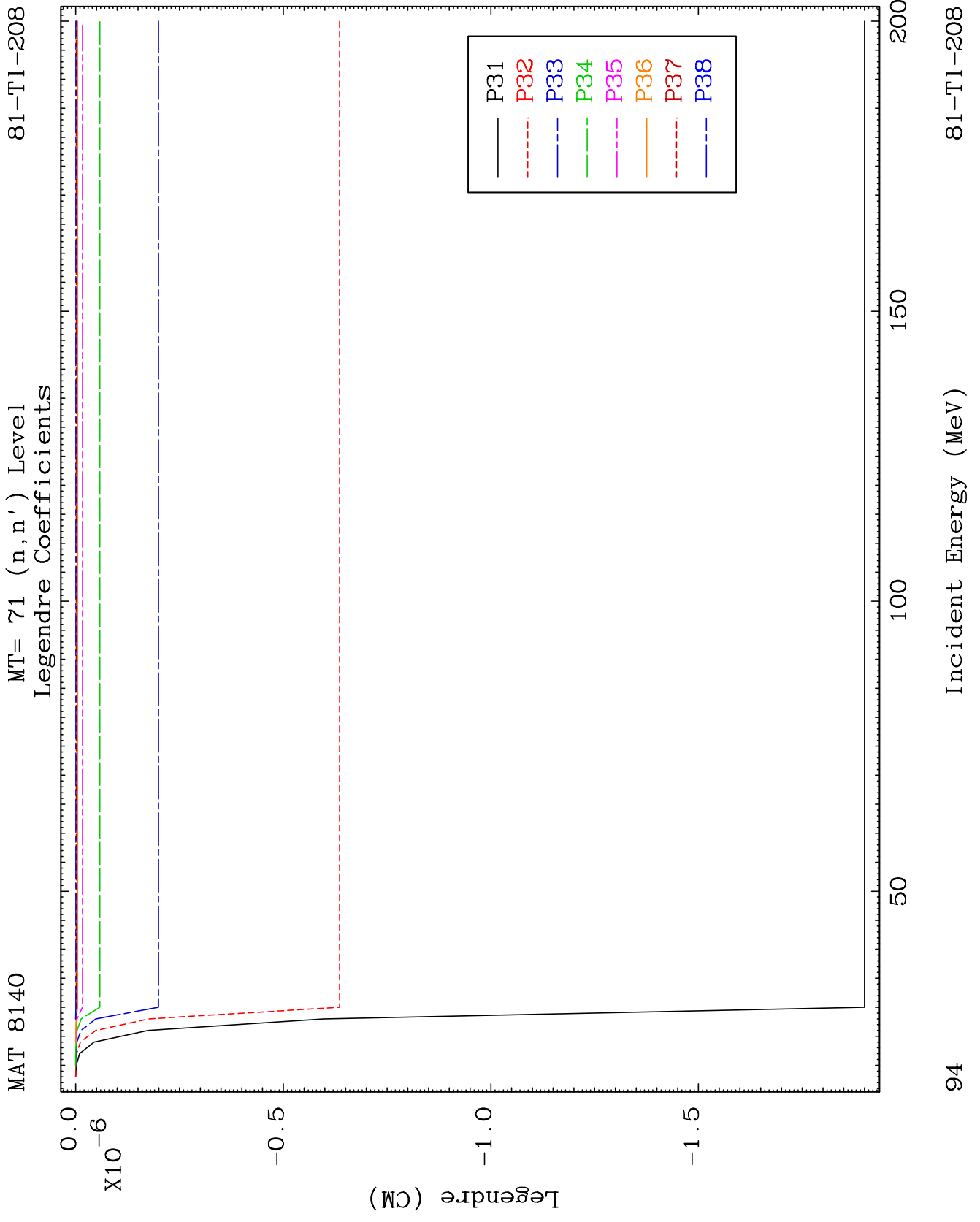


92

Incident Energy (MeV)

81-T1-208

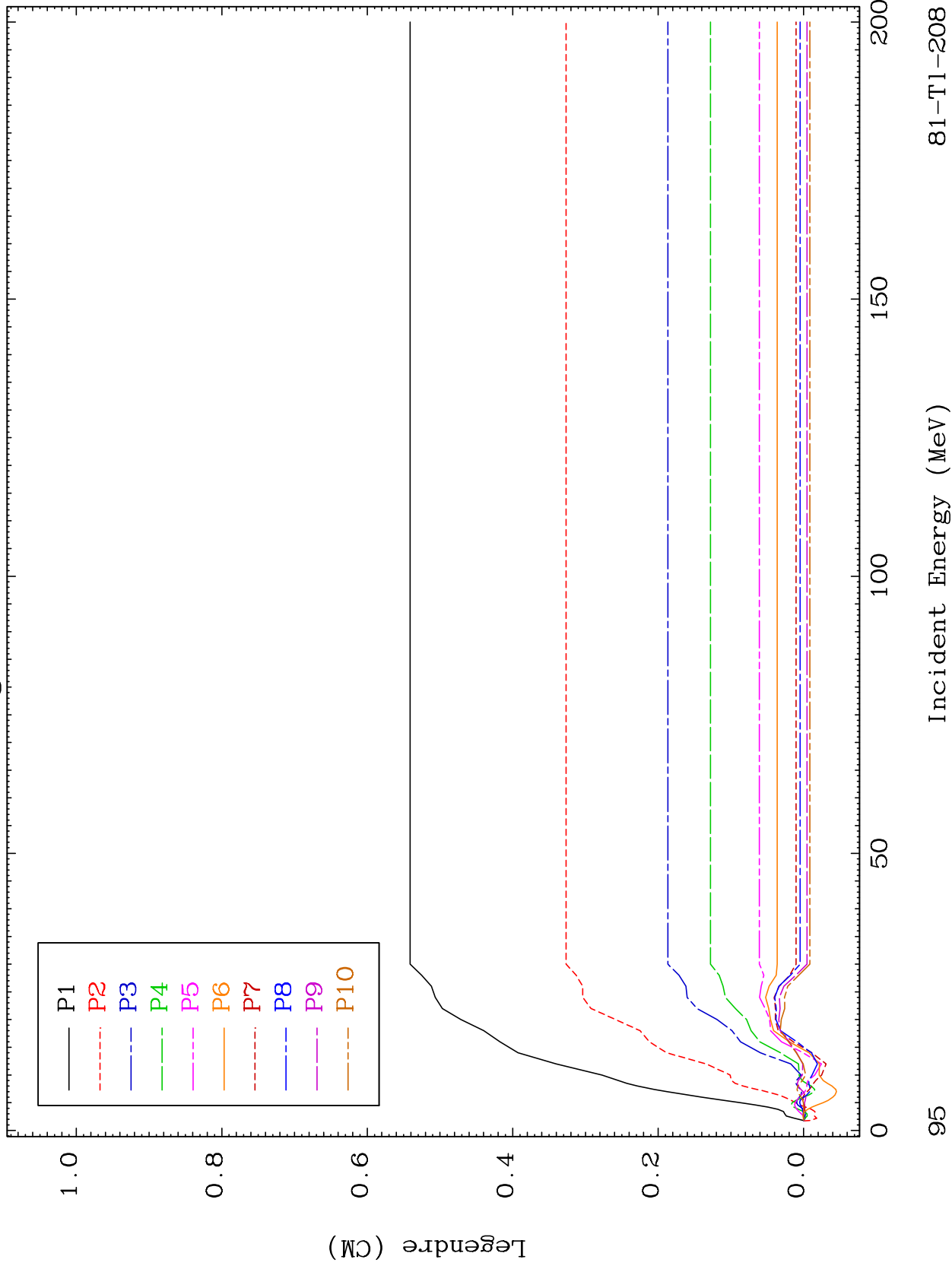




MAT 8140

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

81-T1-208

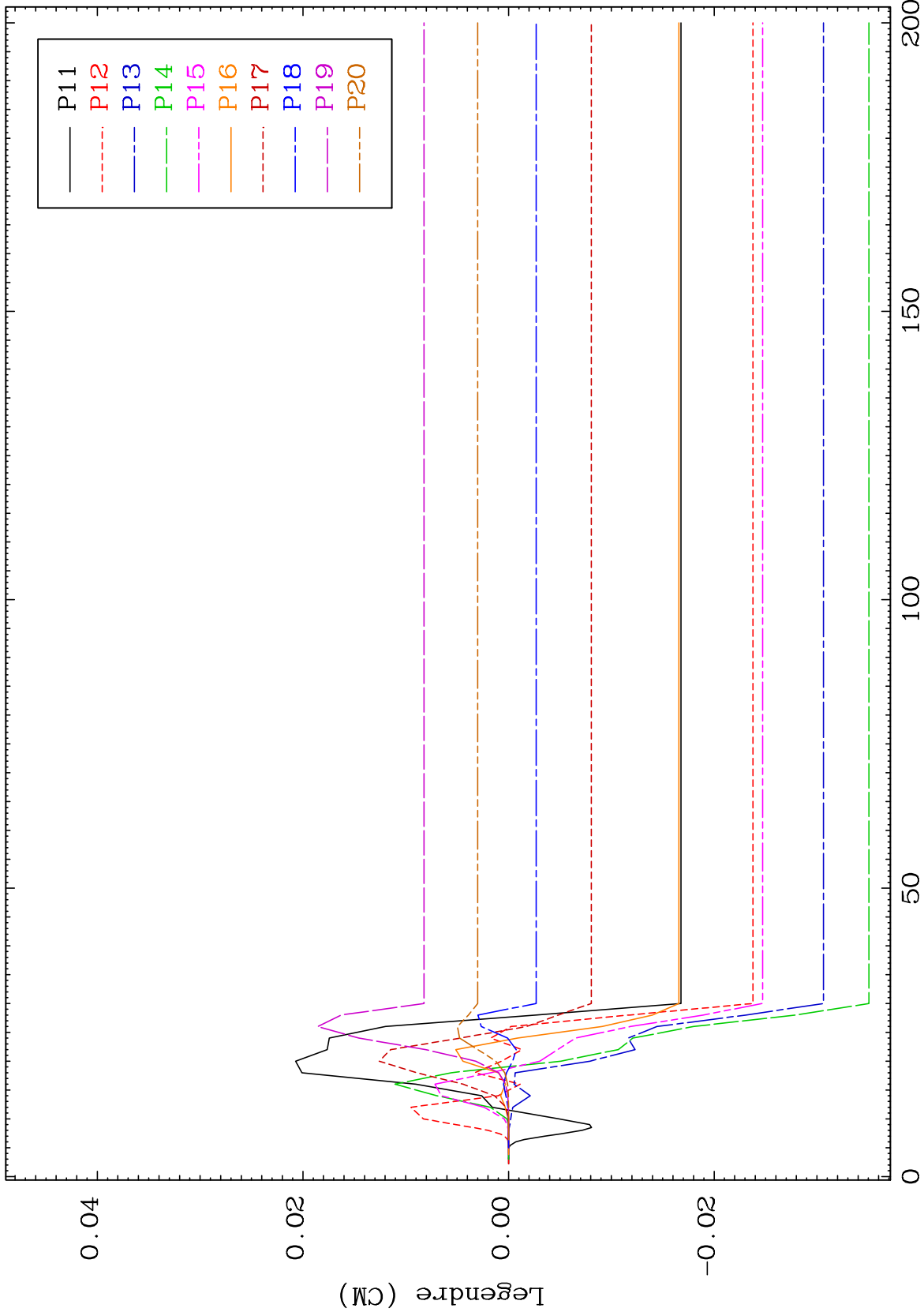




MAT 8140

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

81-T1-208



96

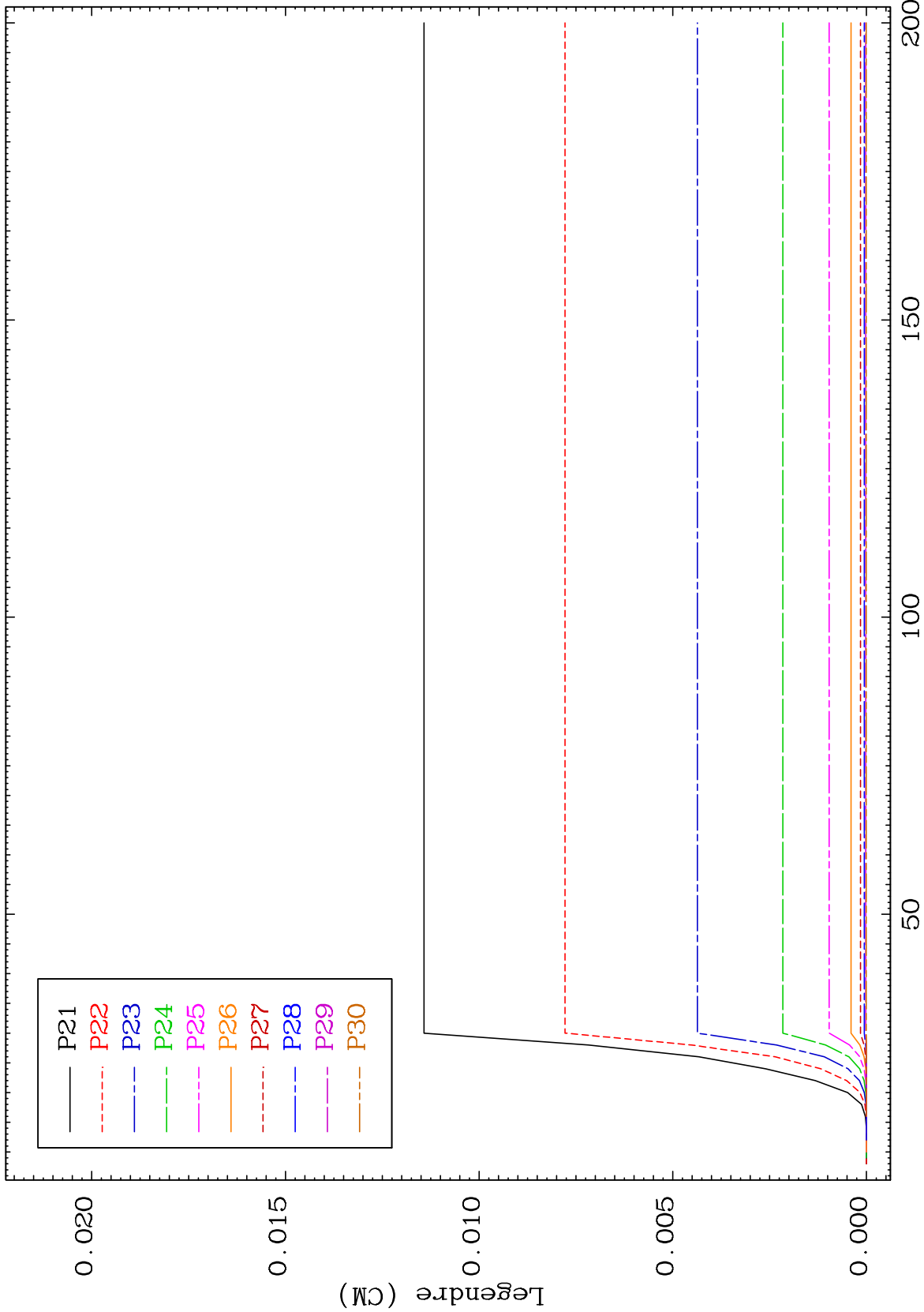
Incident Energy (MeV)

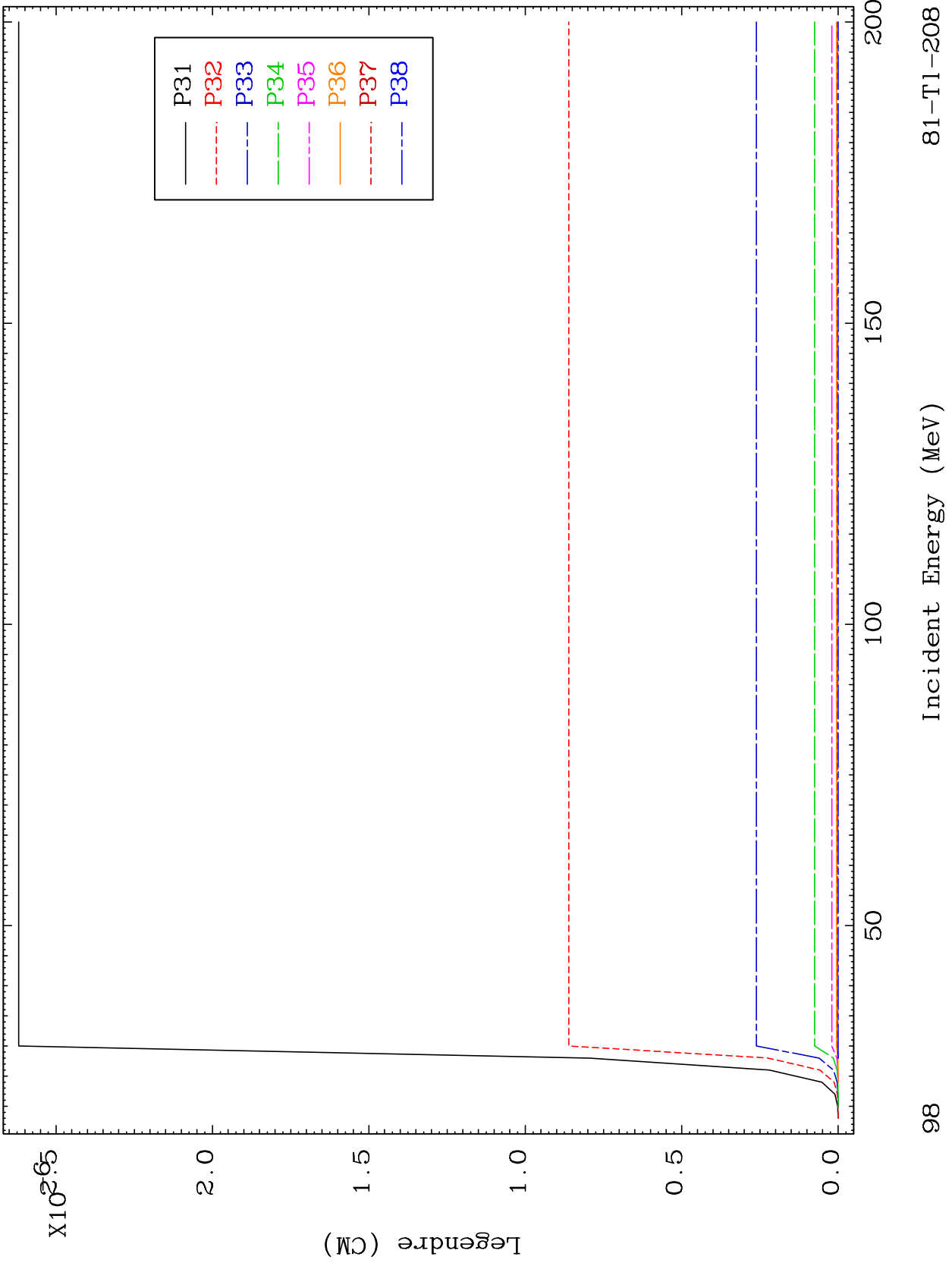
81-T1-208

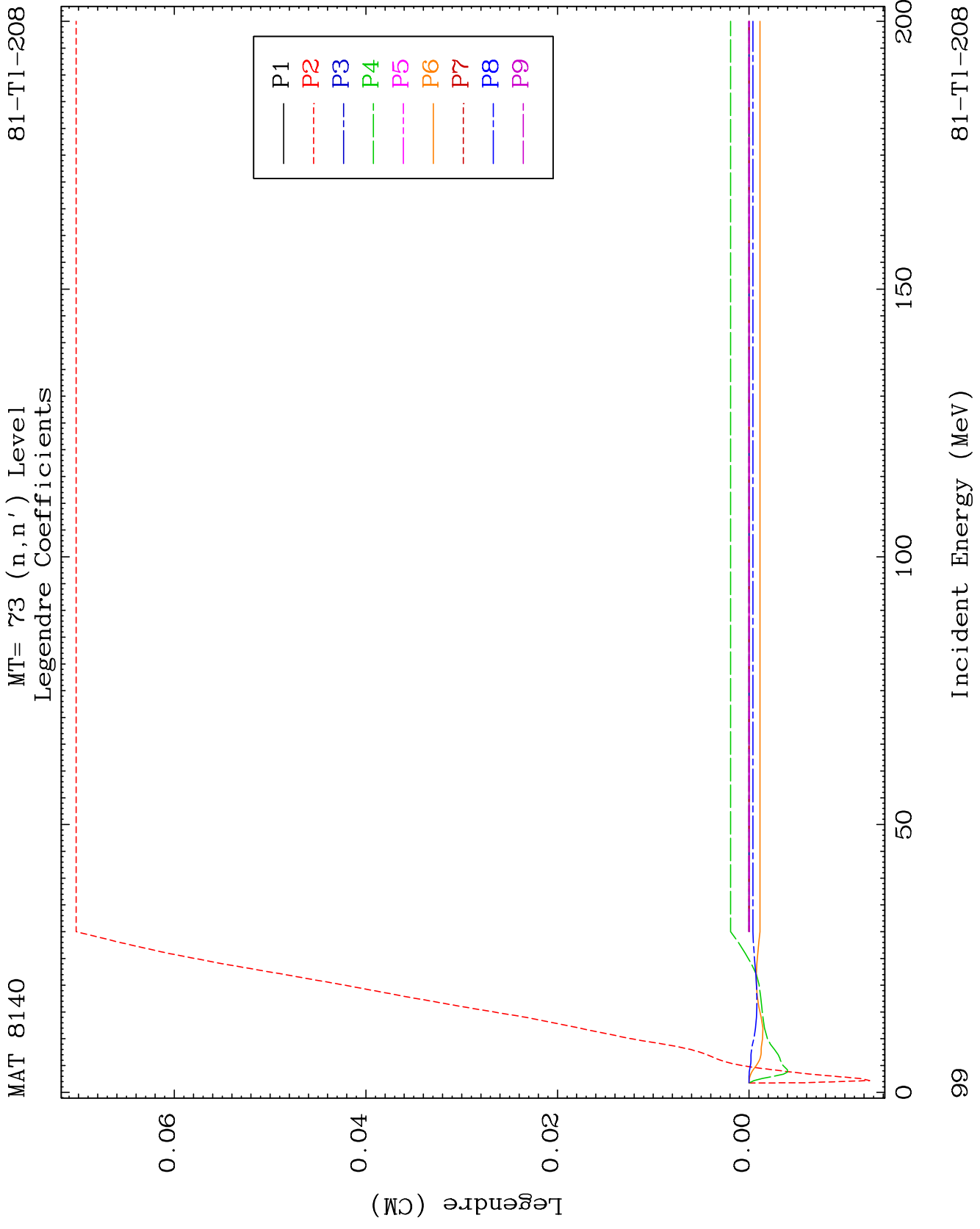
MAT 8140

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

81-T1-208



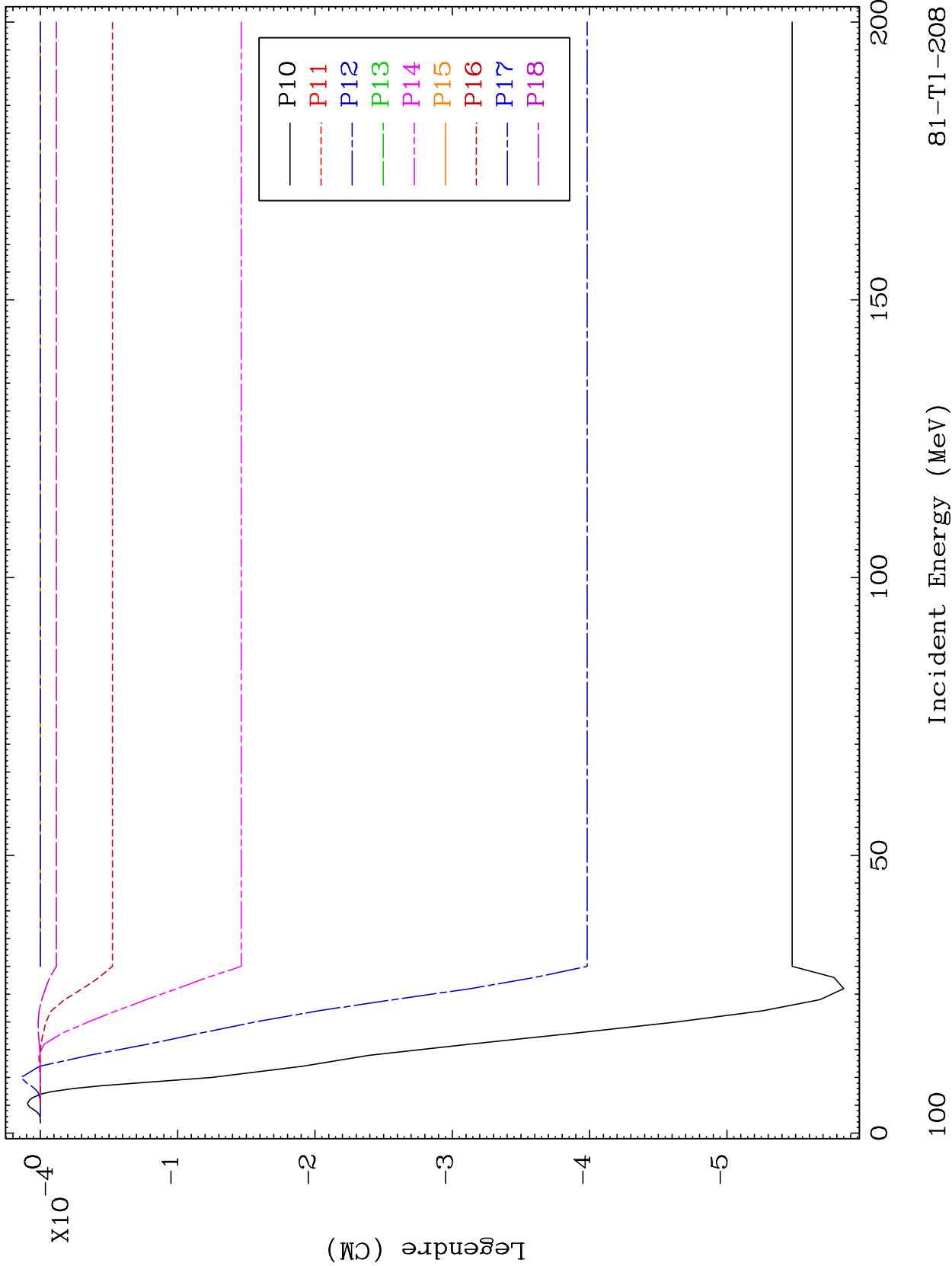




MAT 8140

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

81-T1-208

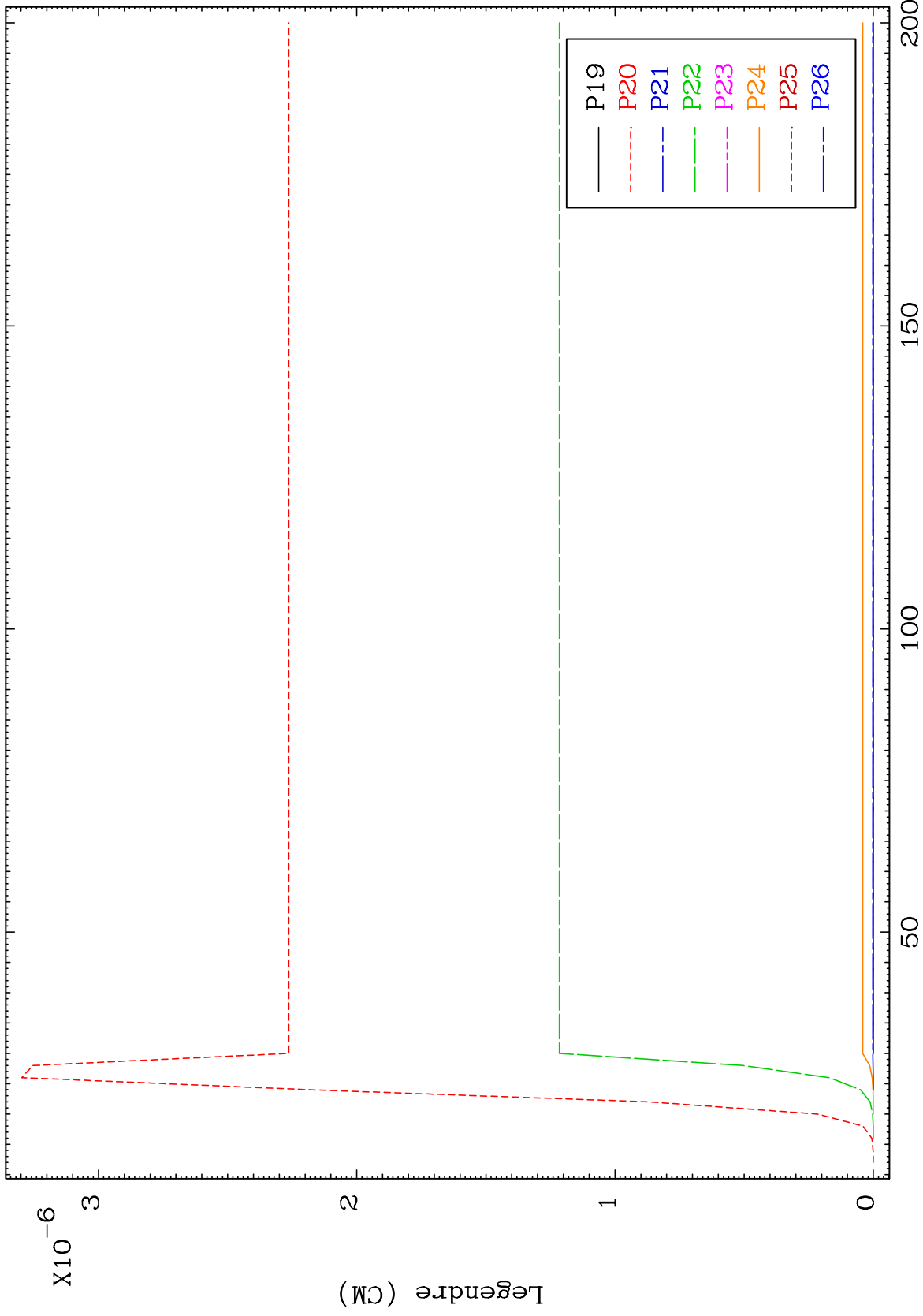


81-T1-208

MAT 8140

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

81-T1-208



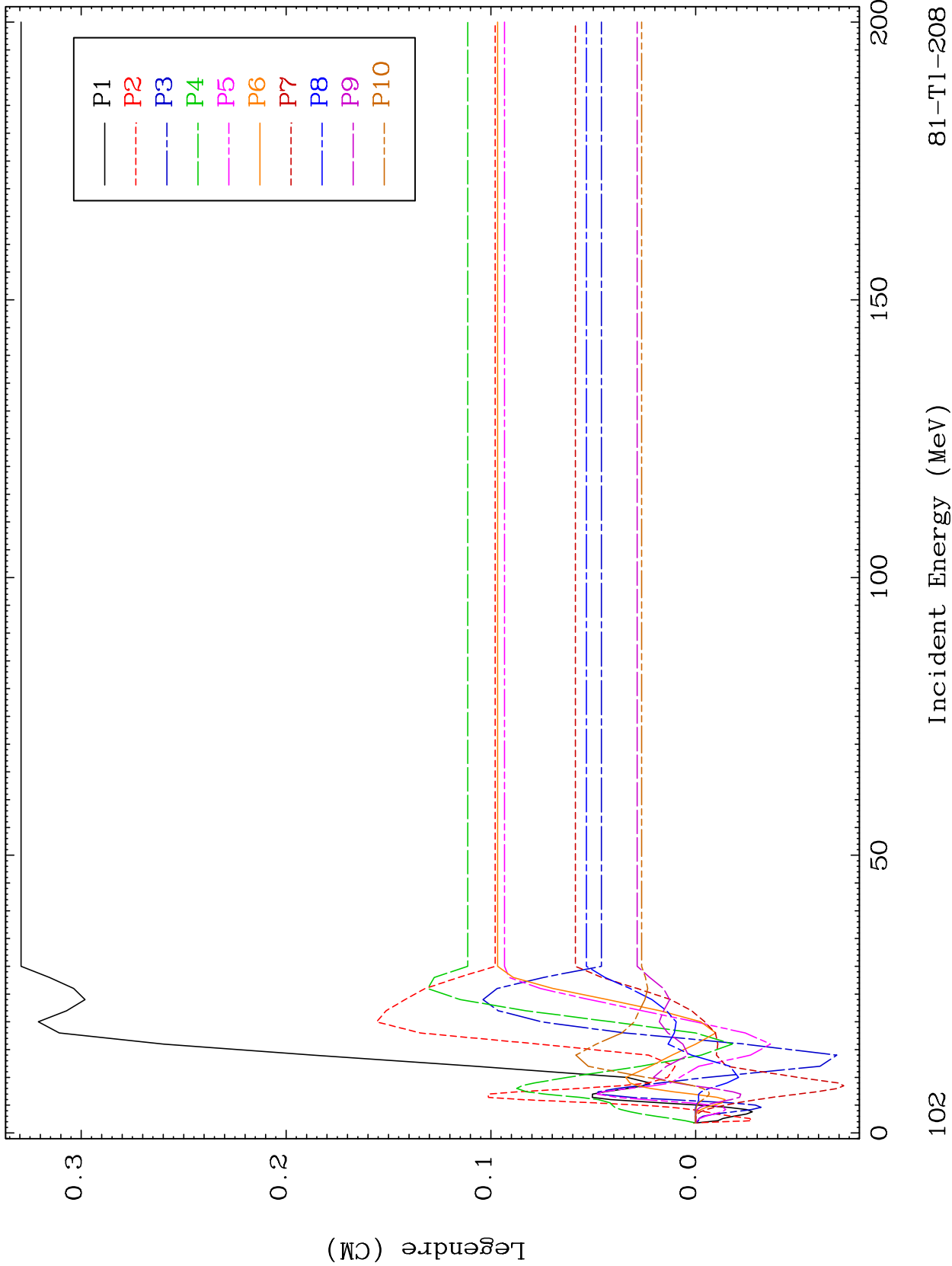
101

81-T1-208

MAT 8140

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

81-Tl-208



81-Tl-208

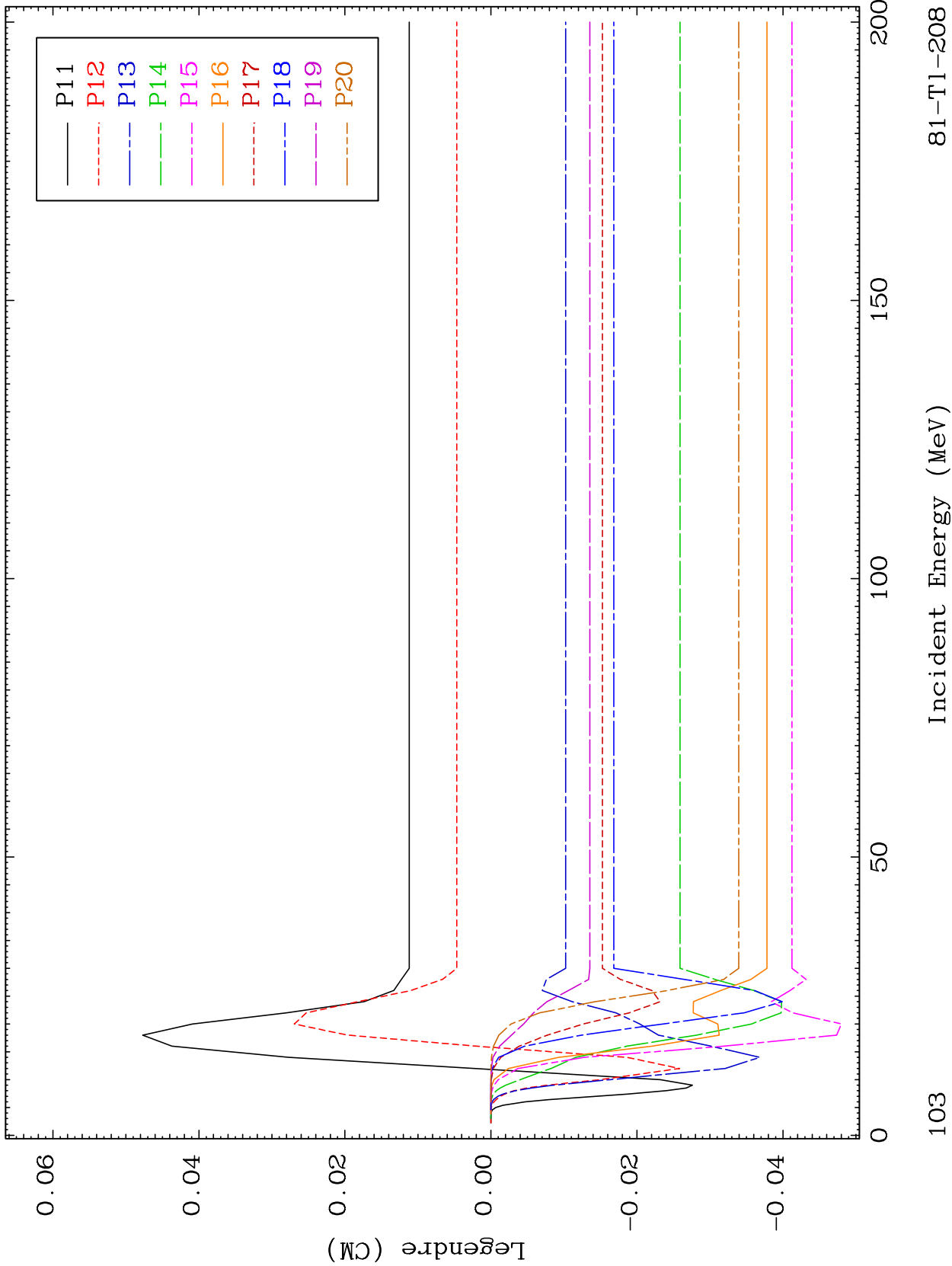
Incident Energy (MeV)

102

MAT 8140

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

81-T1-208



103

Incident Energy (MeV)

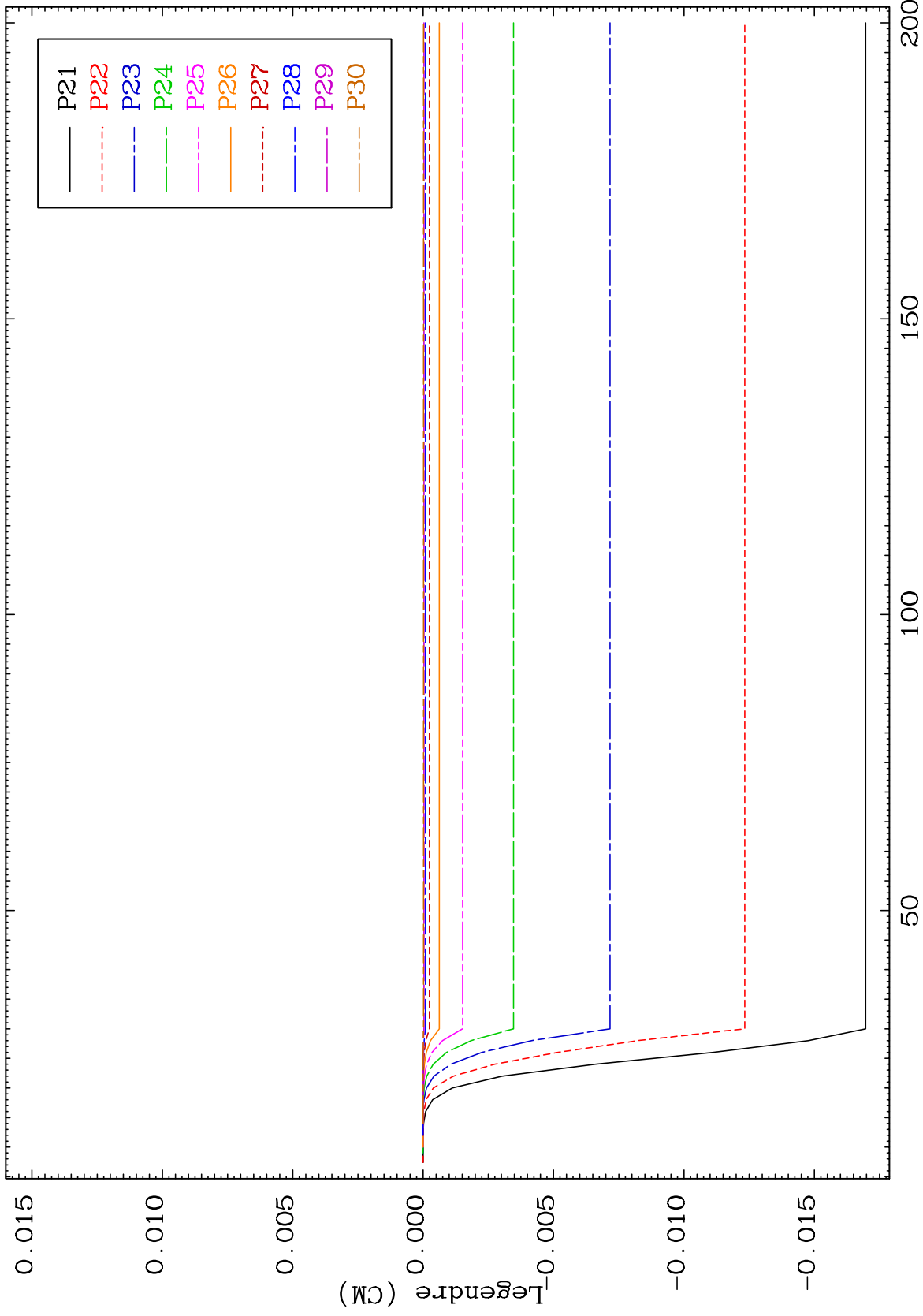
81-T1-208



MAT 8140

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

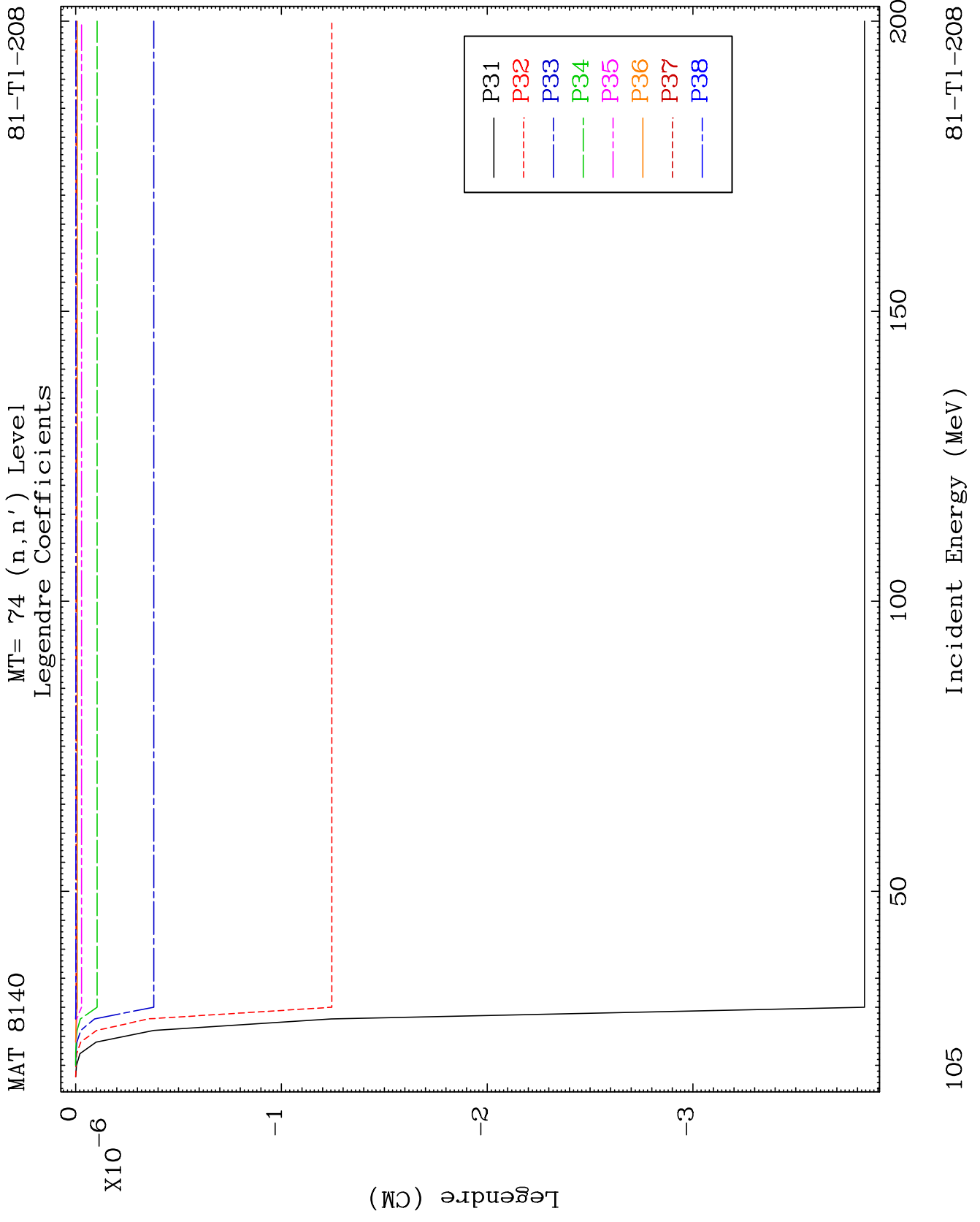
81-T1-208



104

Incident Energy (MeV)

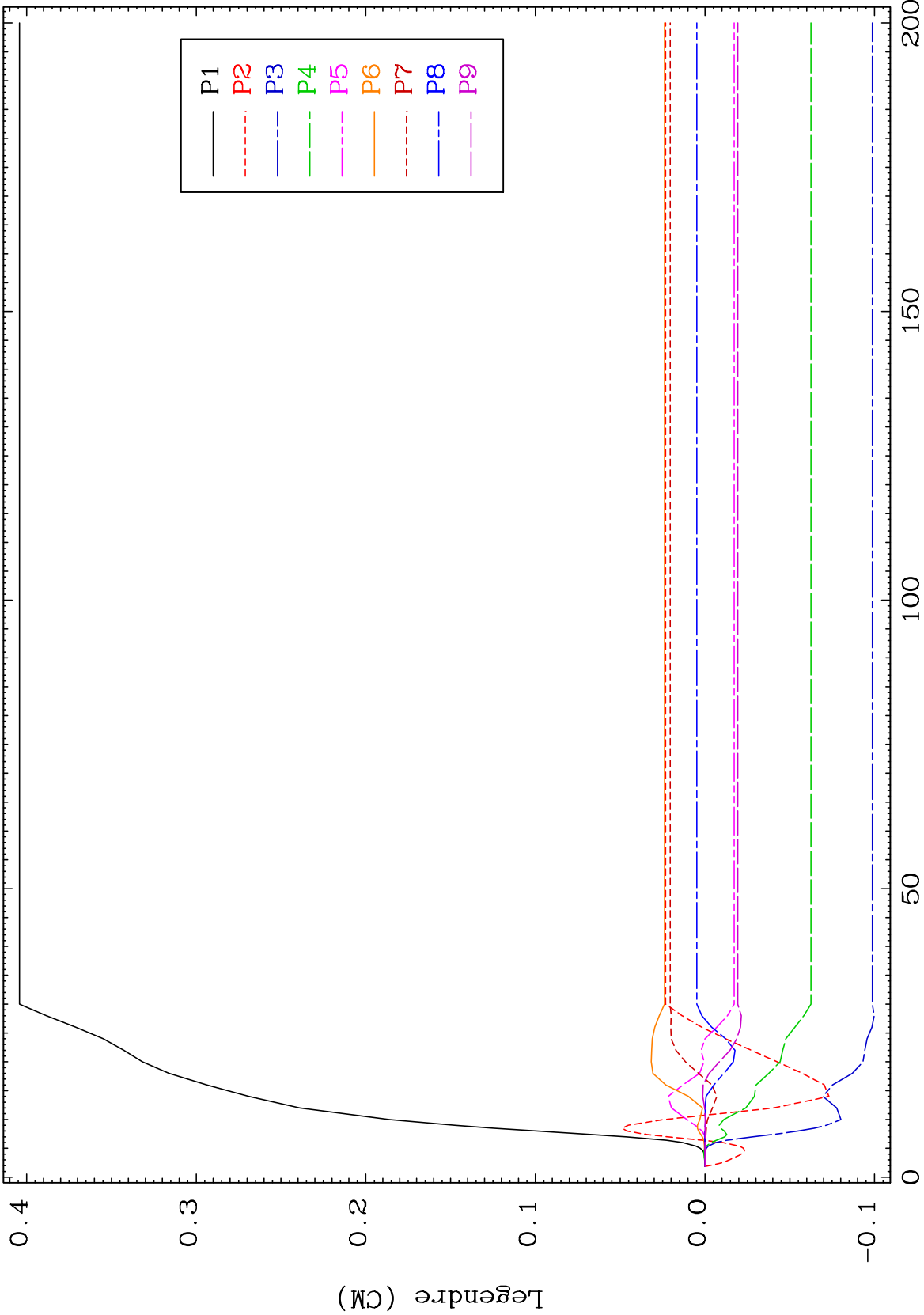
81-T1-208



MAT 8140

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

81-T1-208



106

Incident Energy (MeV)

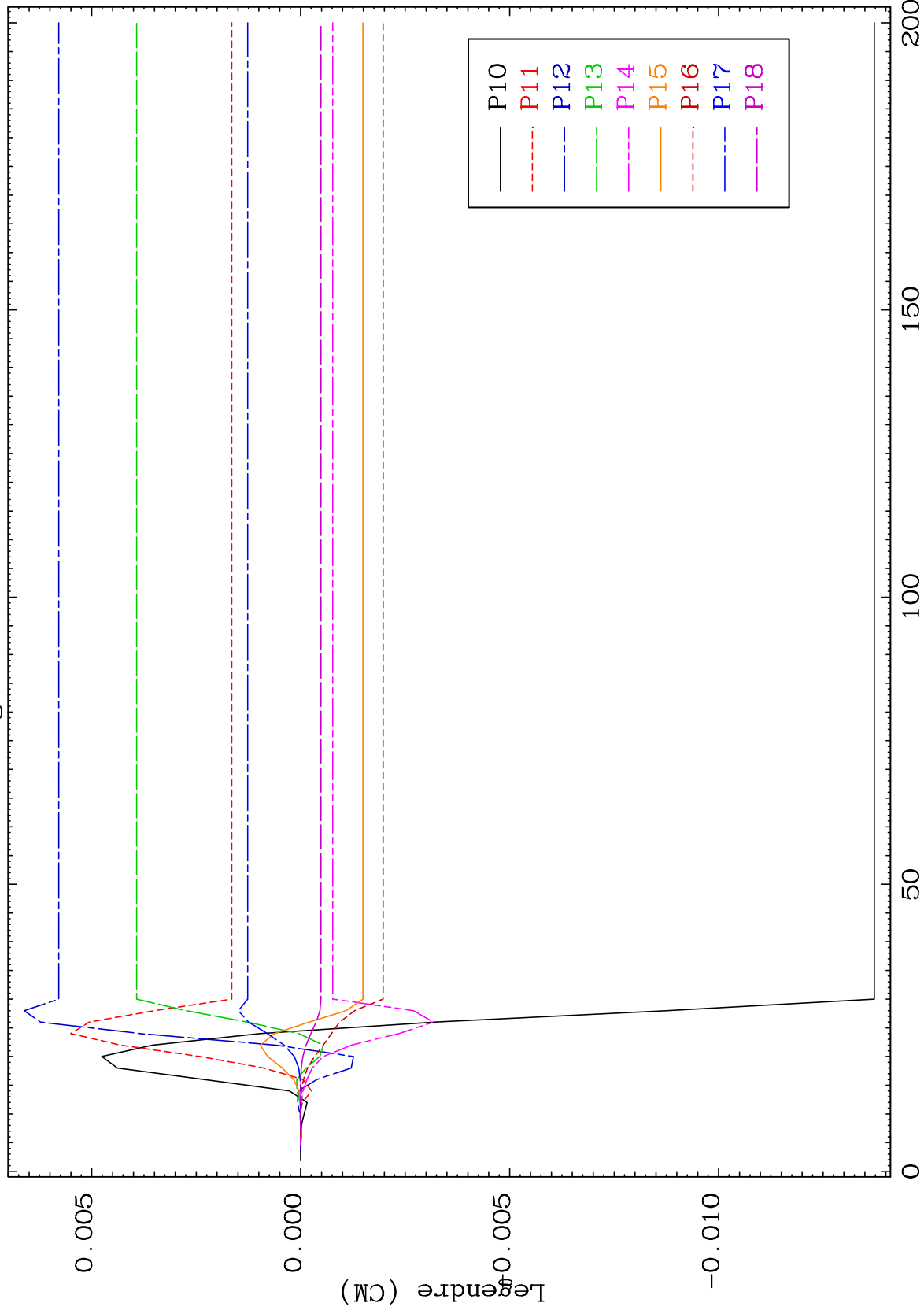
81-T1-208

MAT 8140

MT= 75 (n,n') Level

81-T1-208

Legendre Coefficients



107

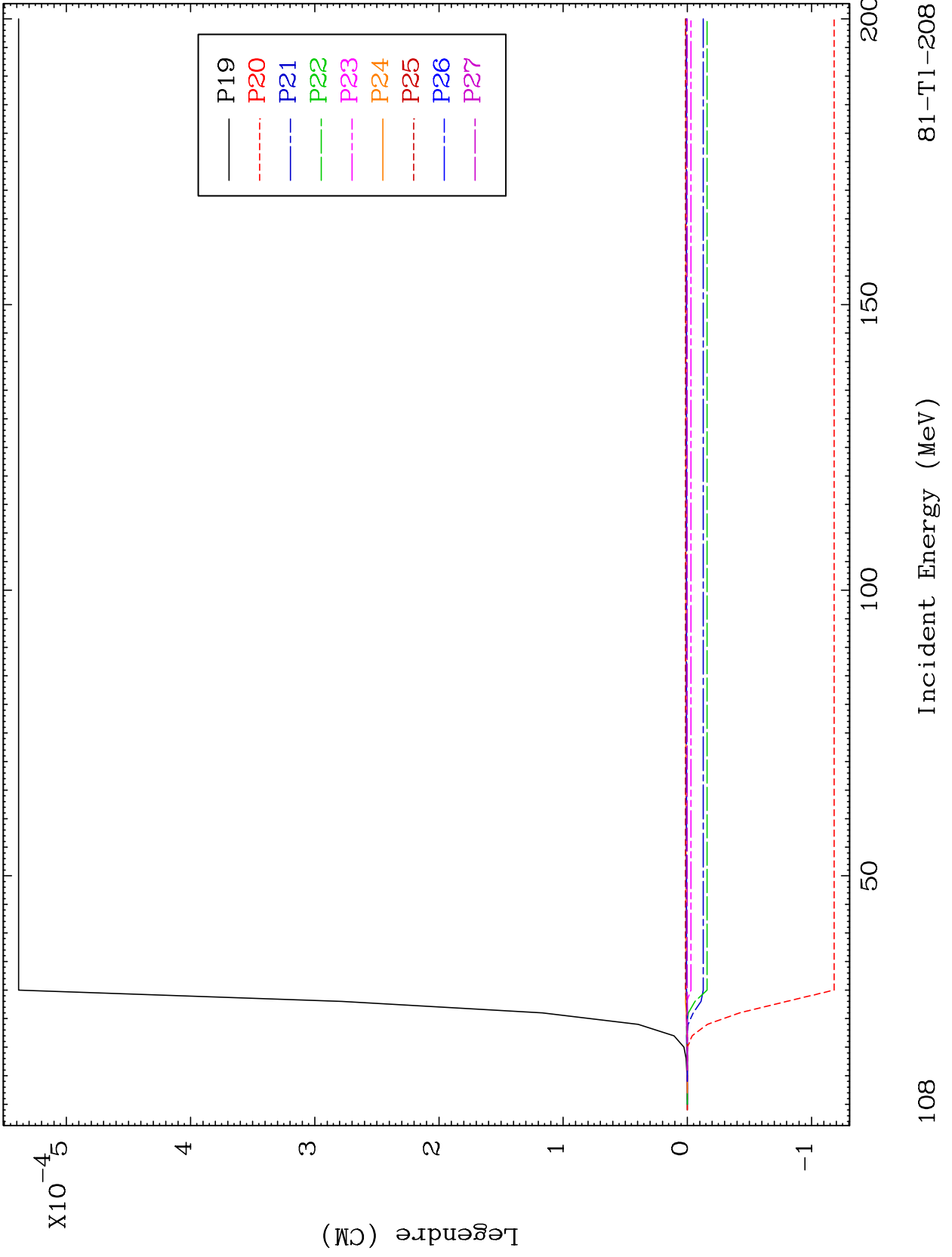
Incident Energy (MeV)

81-T1-208

MAT 8140

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

81-Tl-208



108

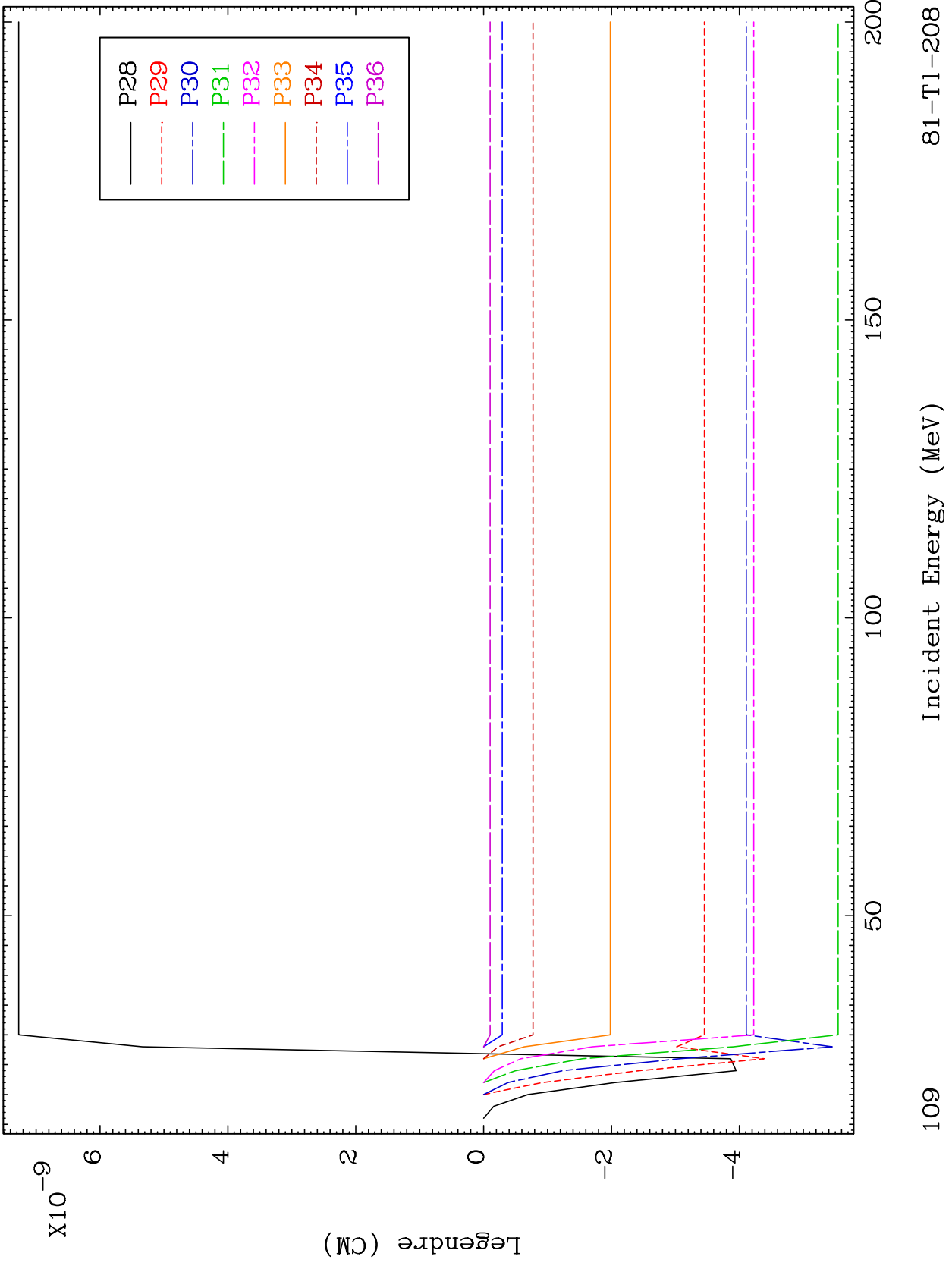
Incident Energy (MeV)

81-Tl-208

MAT 8140

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

81-Tl-208



109

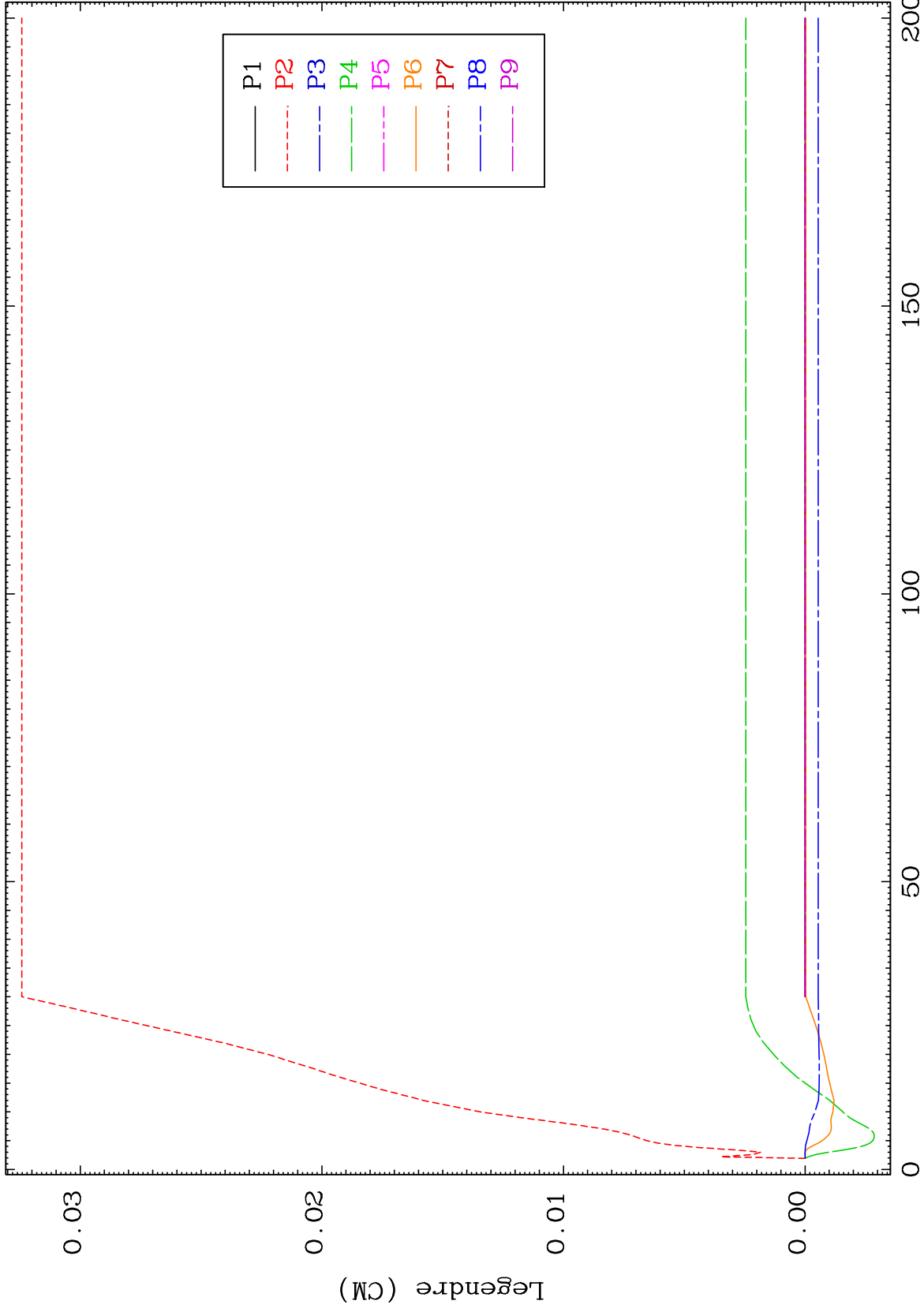
Incident Energy (MeV)

81-Tl-208

MAT 8140

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

81-T1-208



81-T1-208

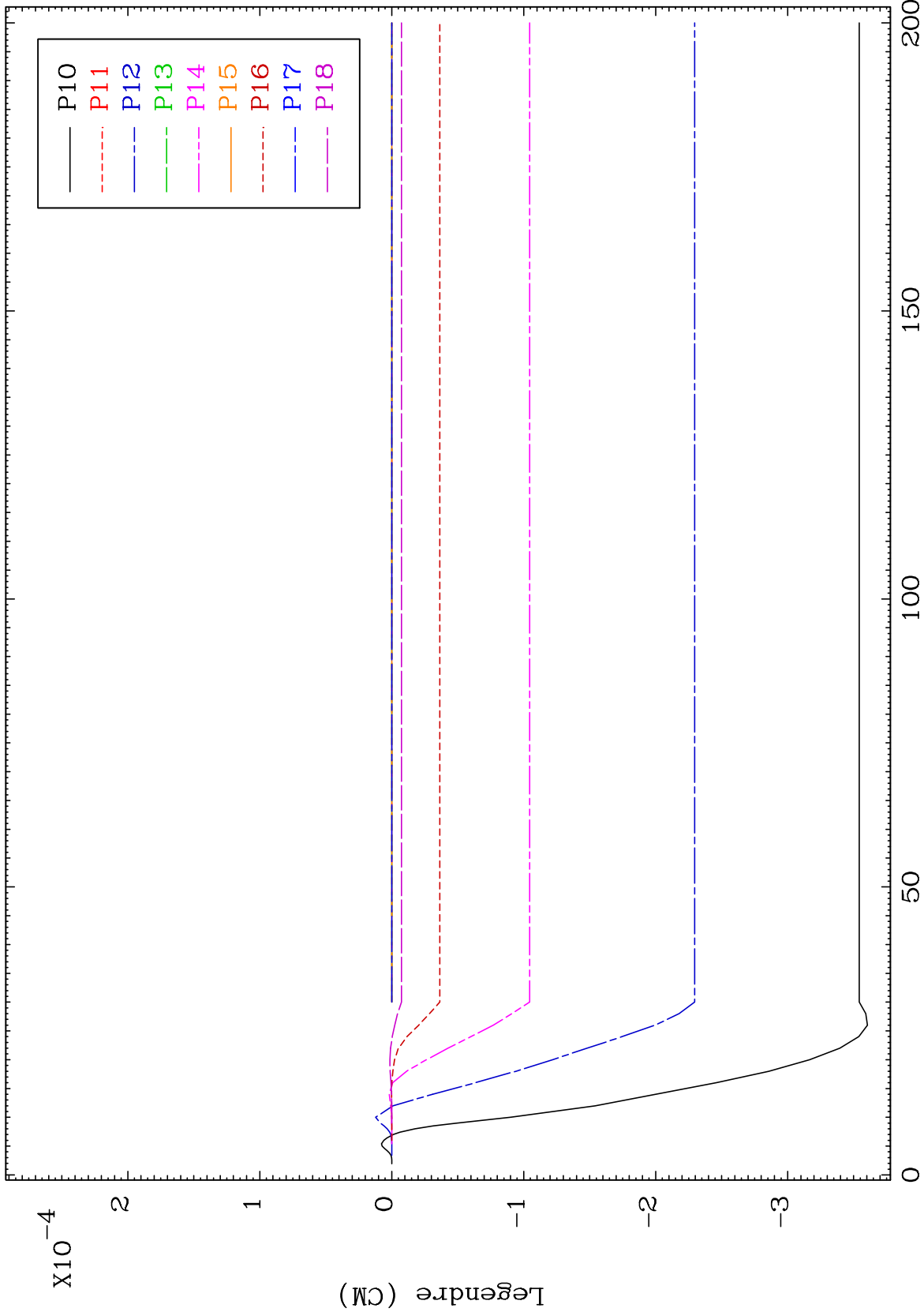
Incident Energy (MeV)

110

MAT 8140

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

81-T1-208



111

Incident Energy (MeV)

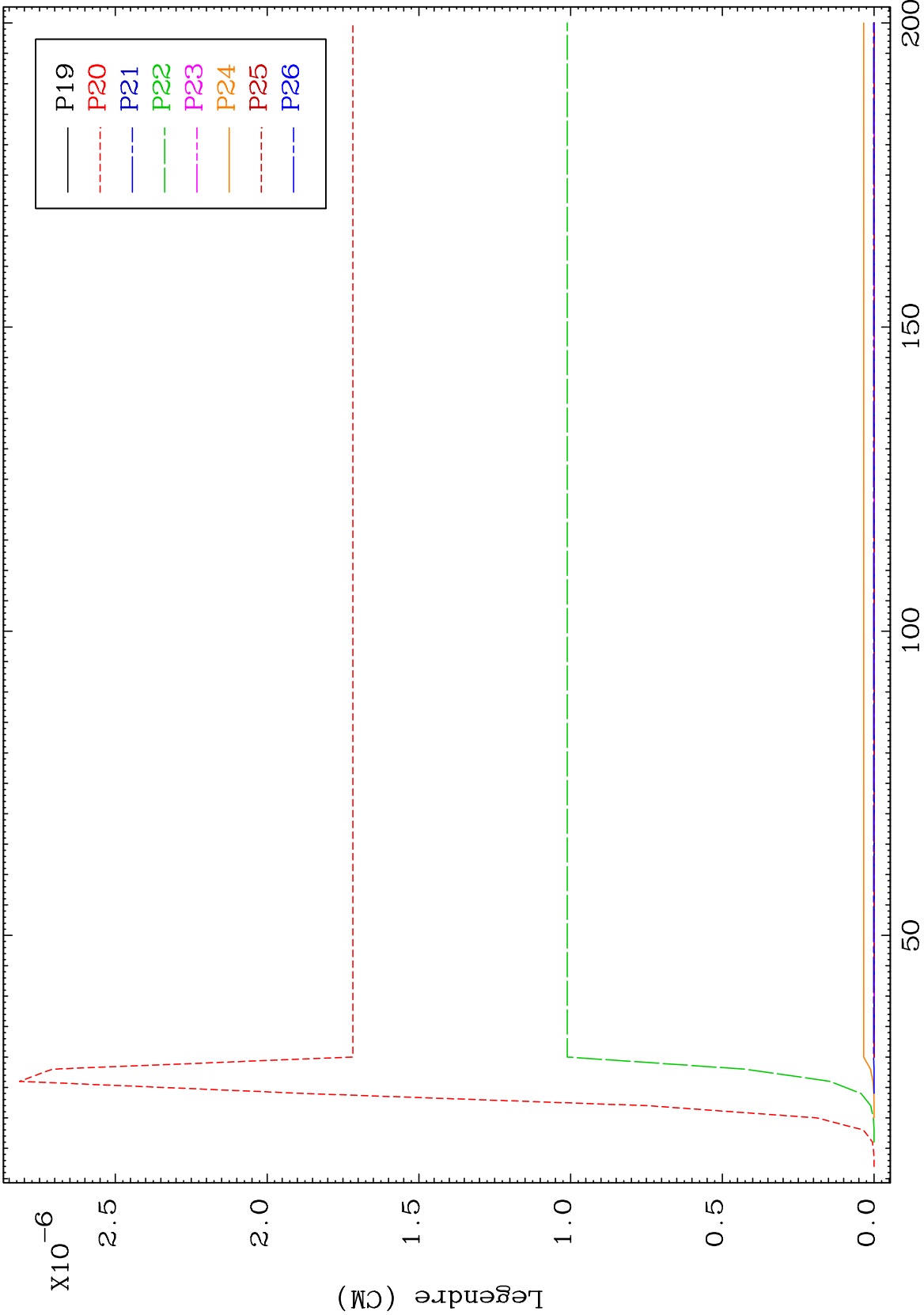
81-T1-208



MAT 8140

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

81-T1-208



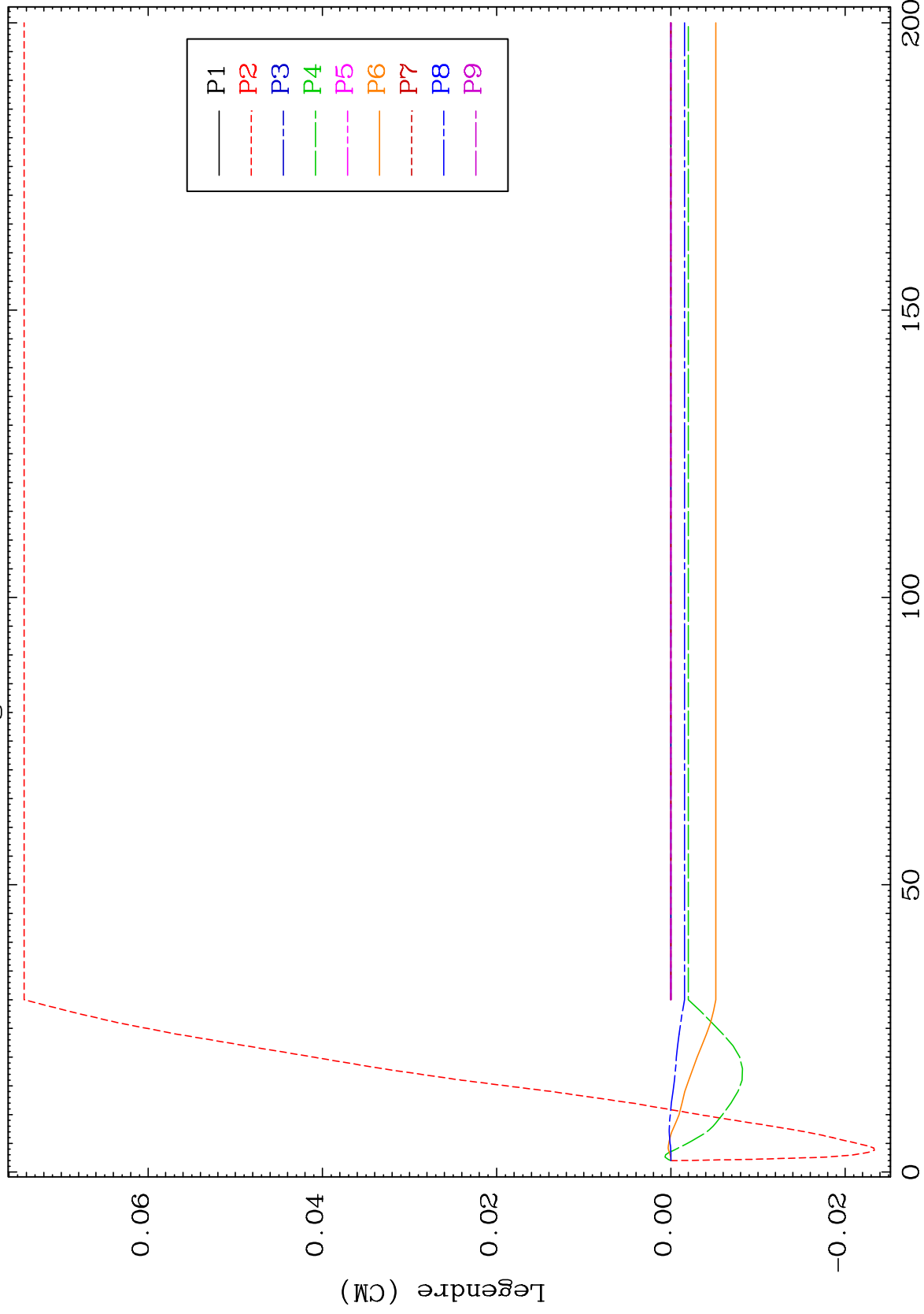
112

81-T1-208

MAT 8140

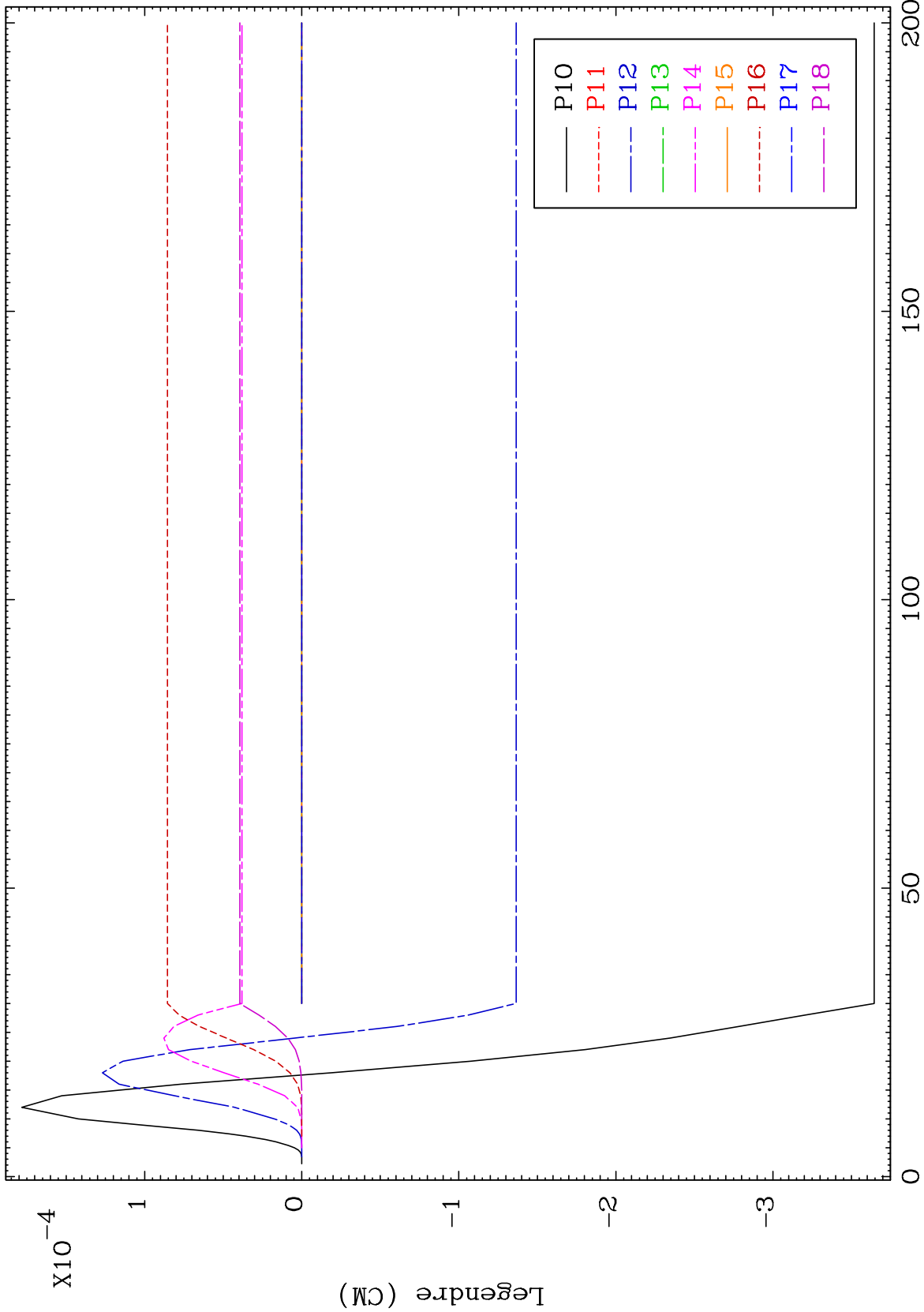
MT= 77 (n,n') Level  
Legendre Coefficients

81-T1-208



113

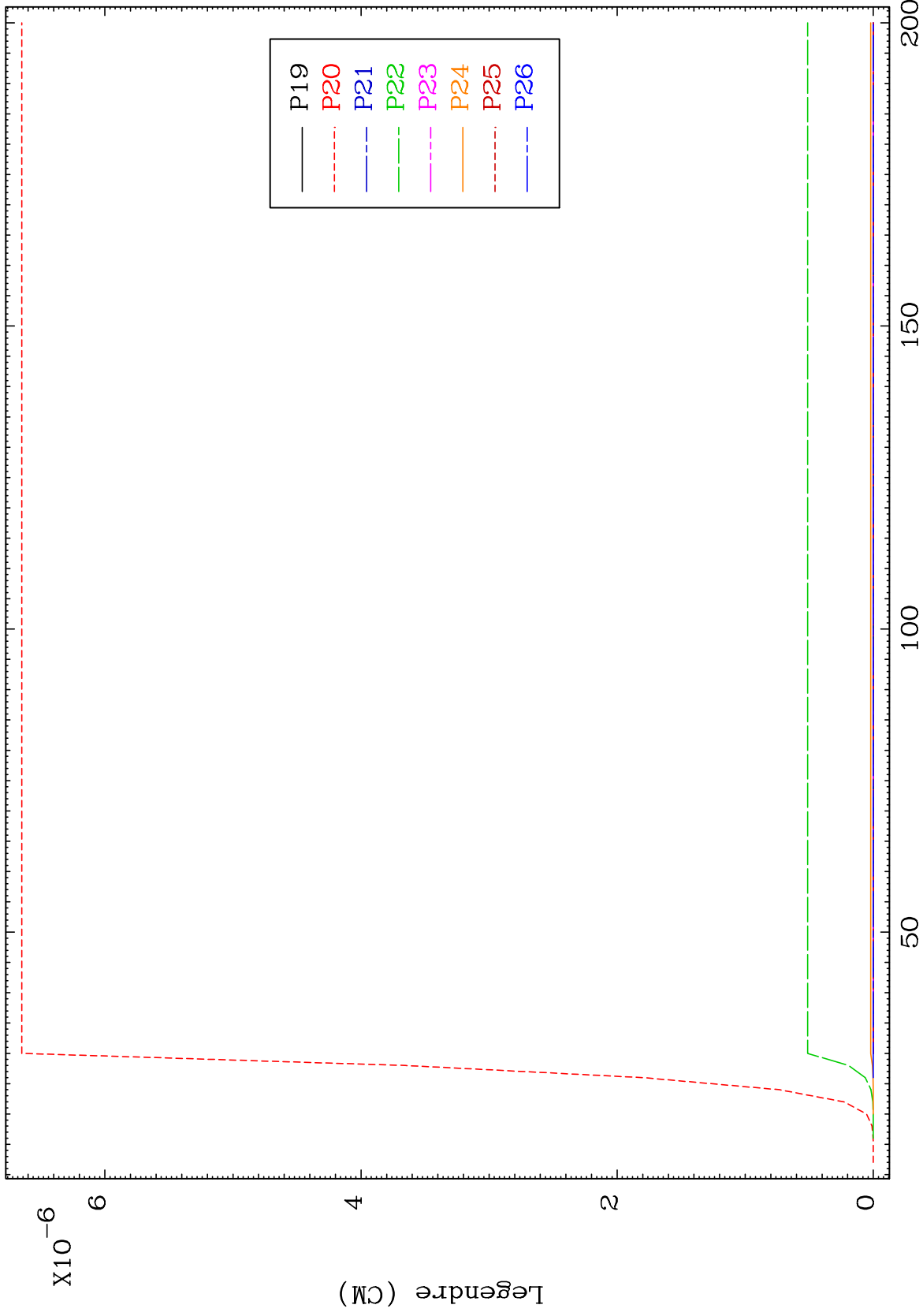
81-T1-208



MAT 8140

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

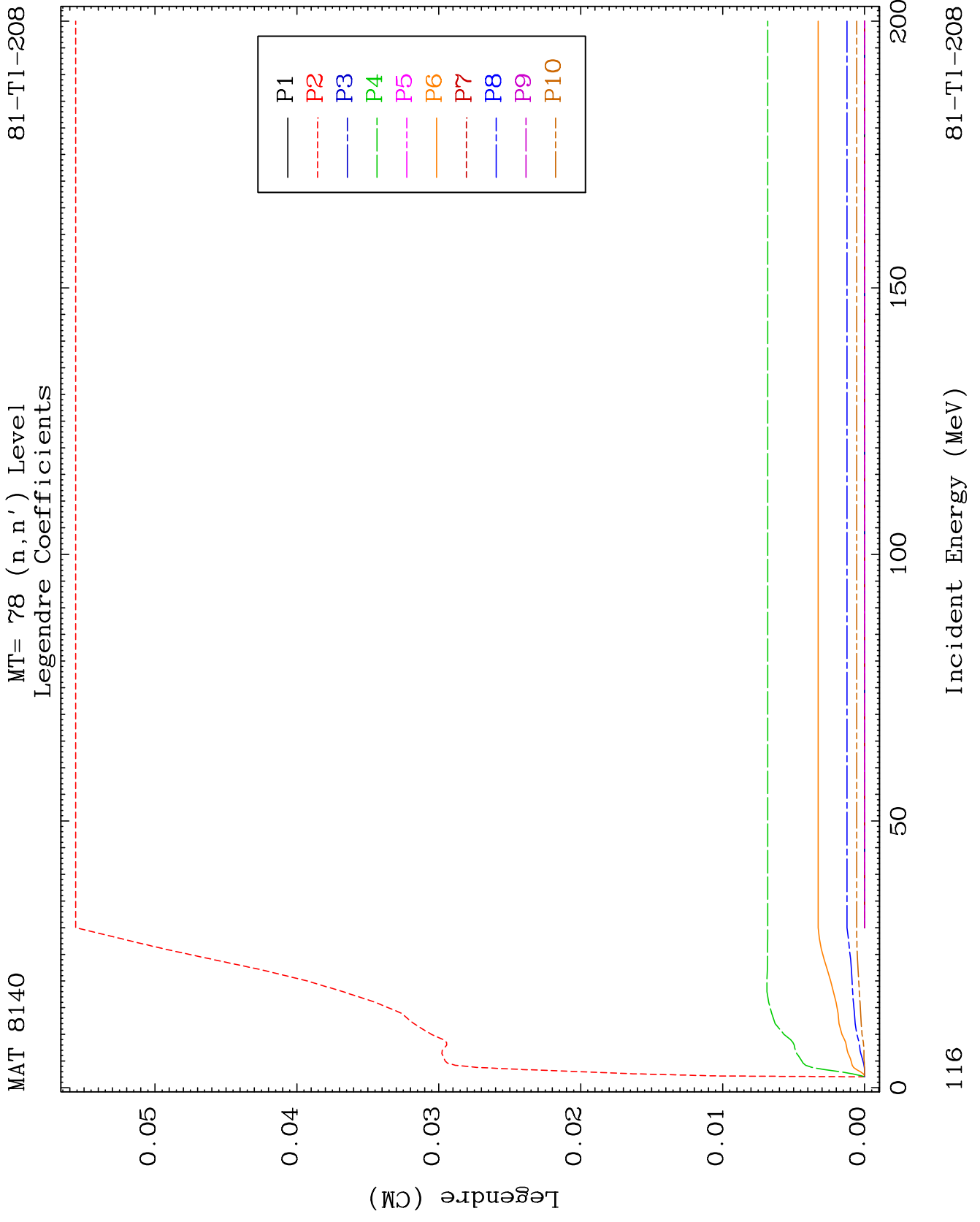
81-T1-208



115

Incident Energy (MeV)

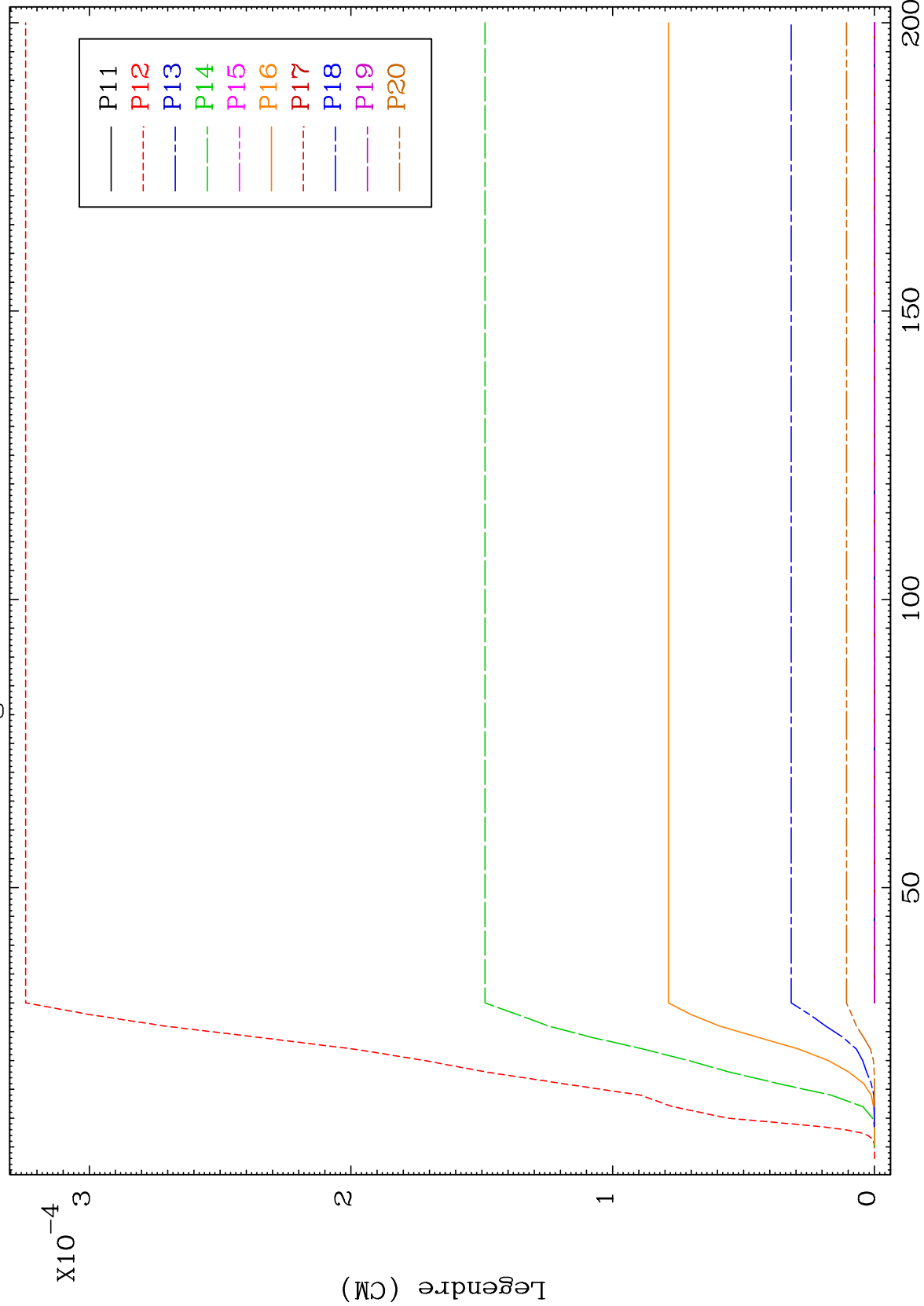
81-T1-208



MAT 8140

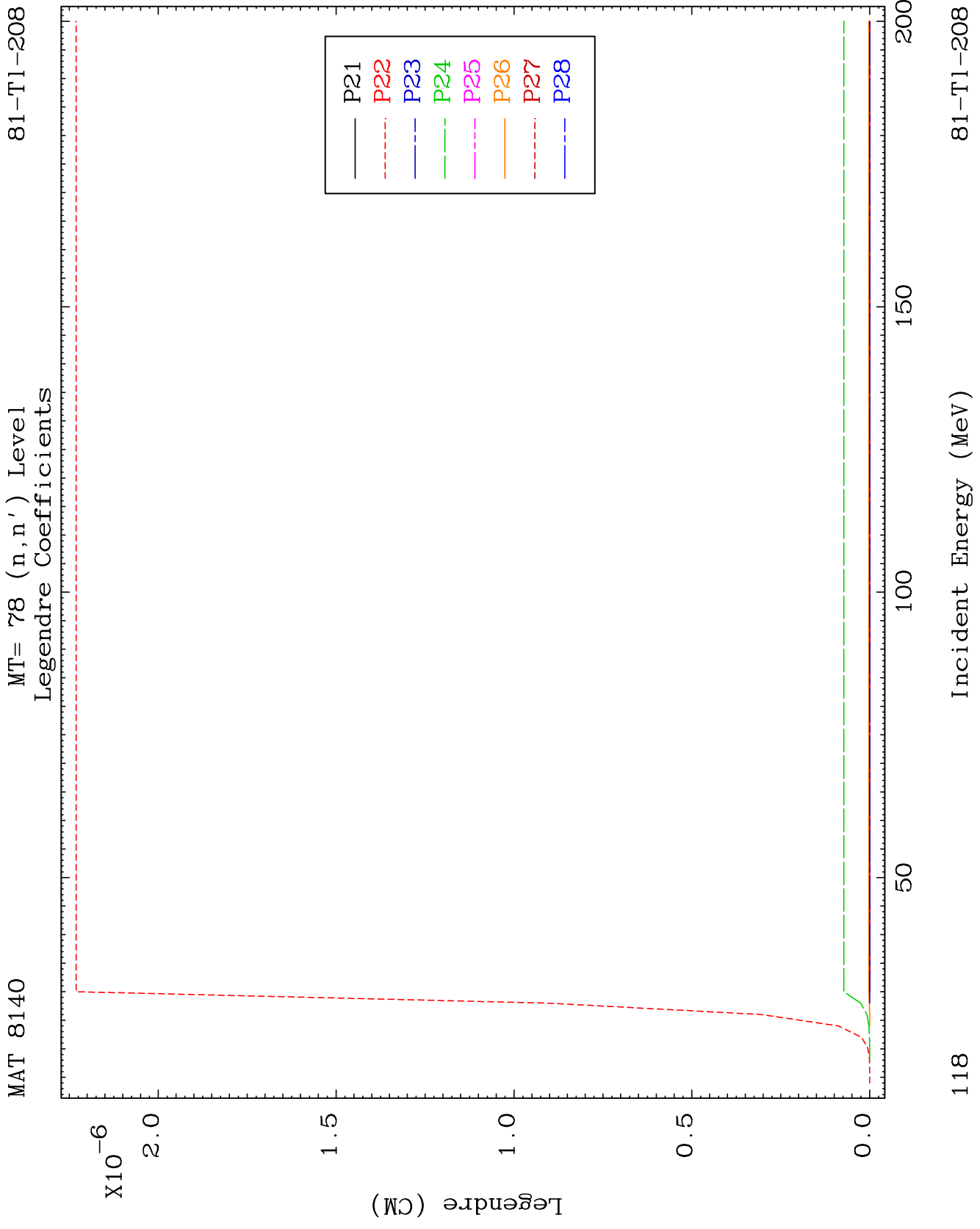
MT= 78 (n,n') Level  
Legendre Coefficients

81-T1-208



117

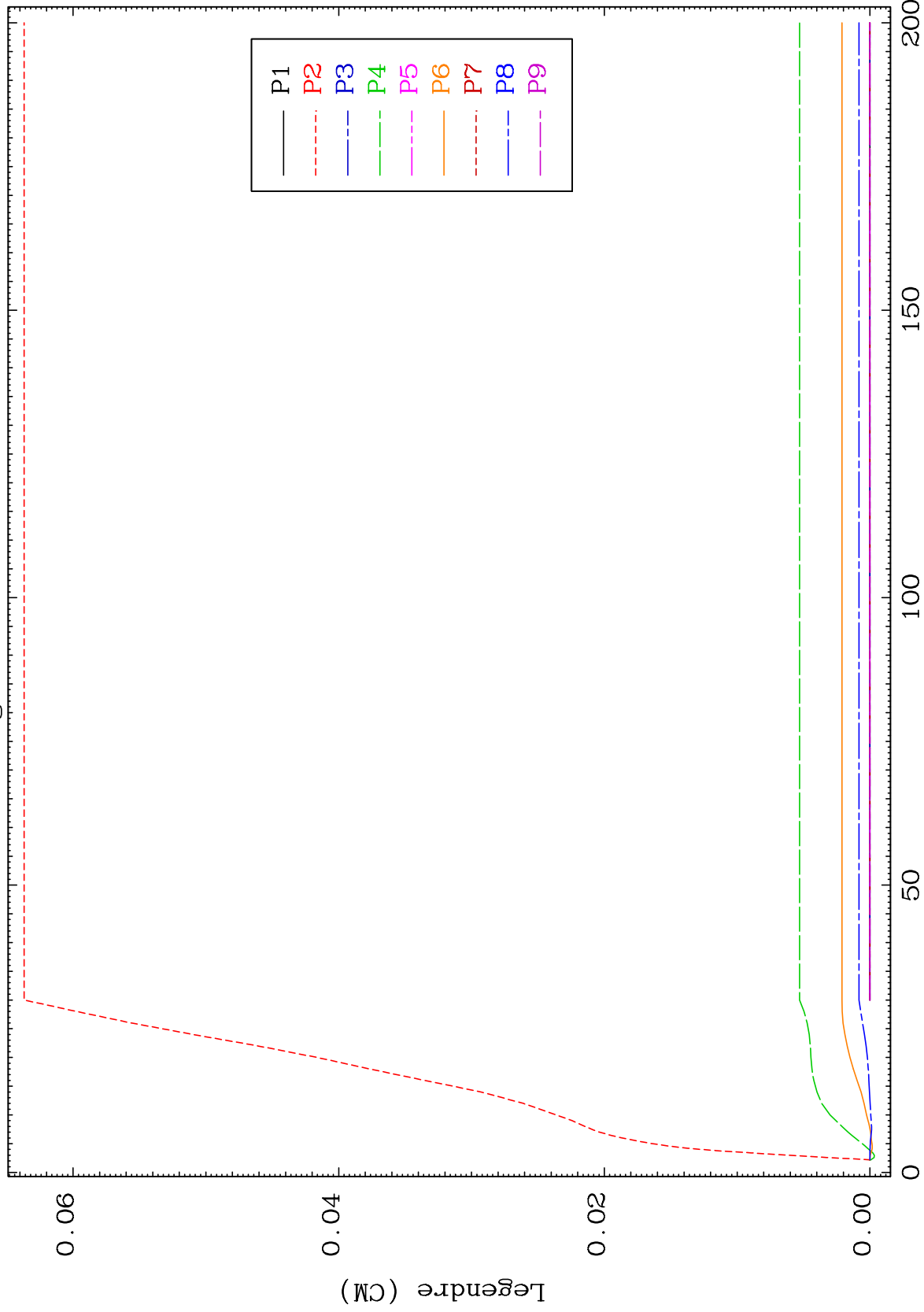
81-T1-208



MAT 8140

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

81-T1-208



119

Incident Energy (MeV)

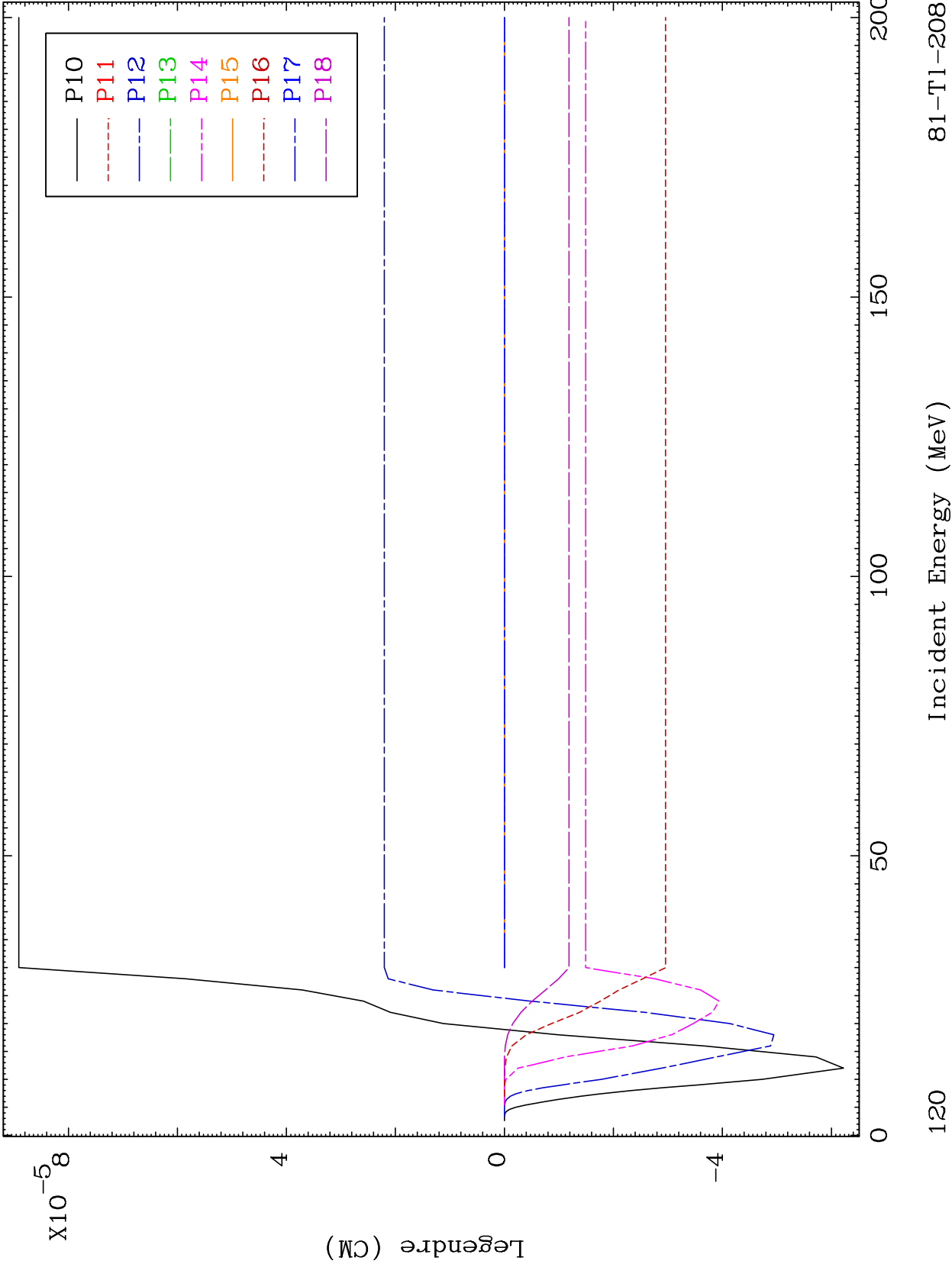
81-T1-208



MAT 8140

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

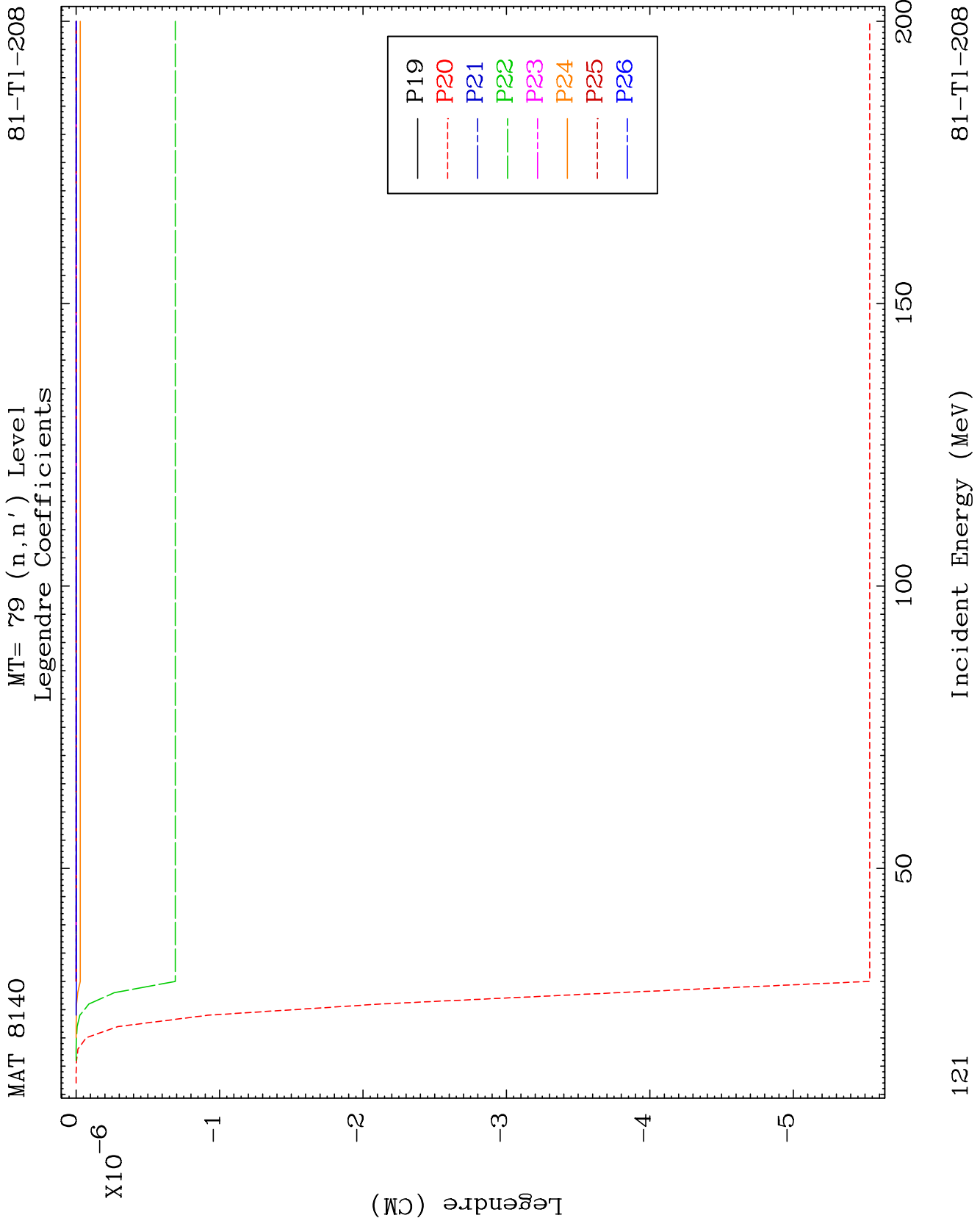
81-Tl-208



81-Tl-208

Incident Energy (MeV)

120

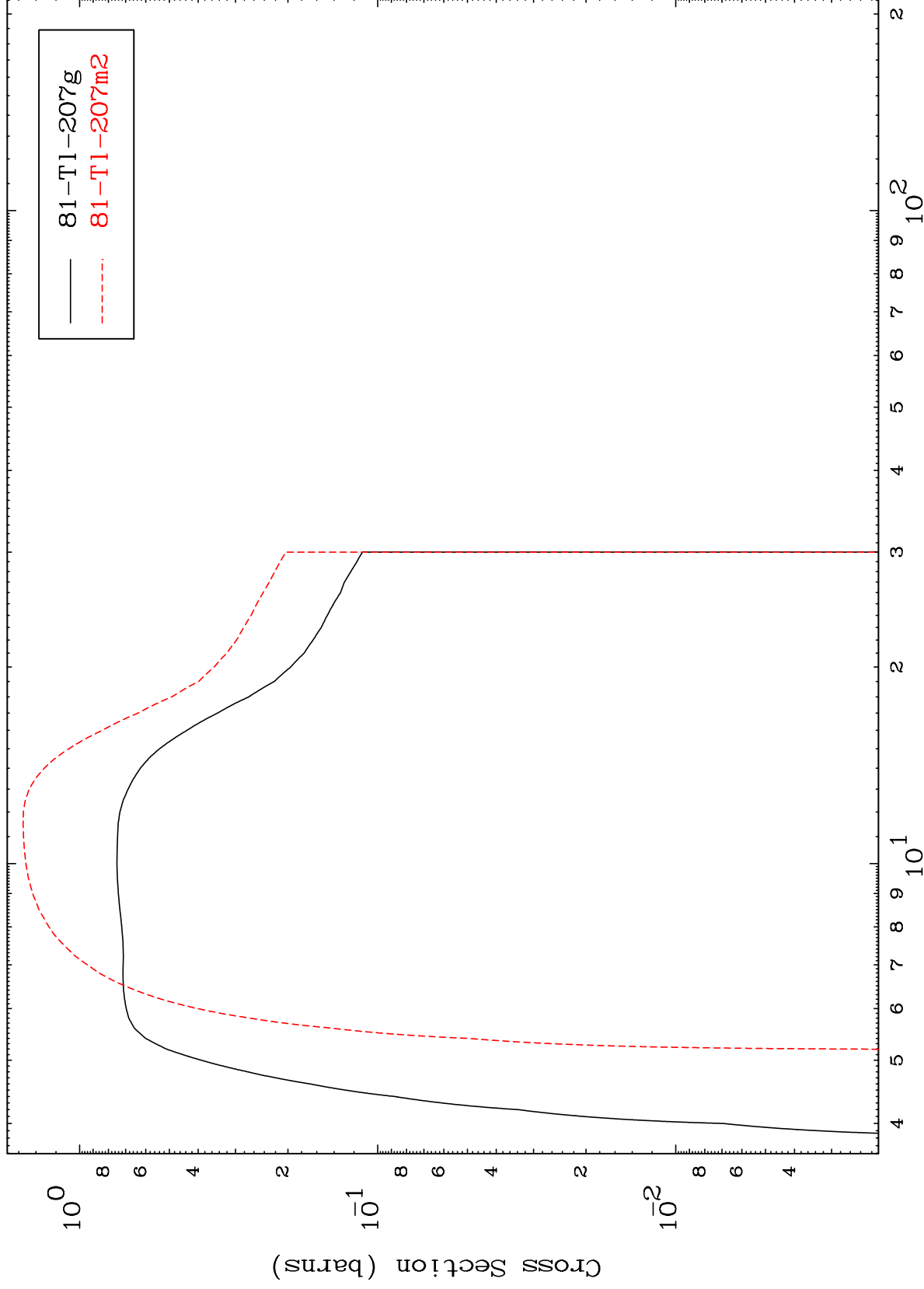


MAT 8140

(n,2n)

81-Tl-208

Radionuclide Production Cross Section

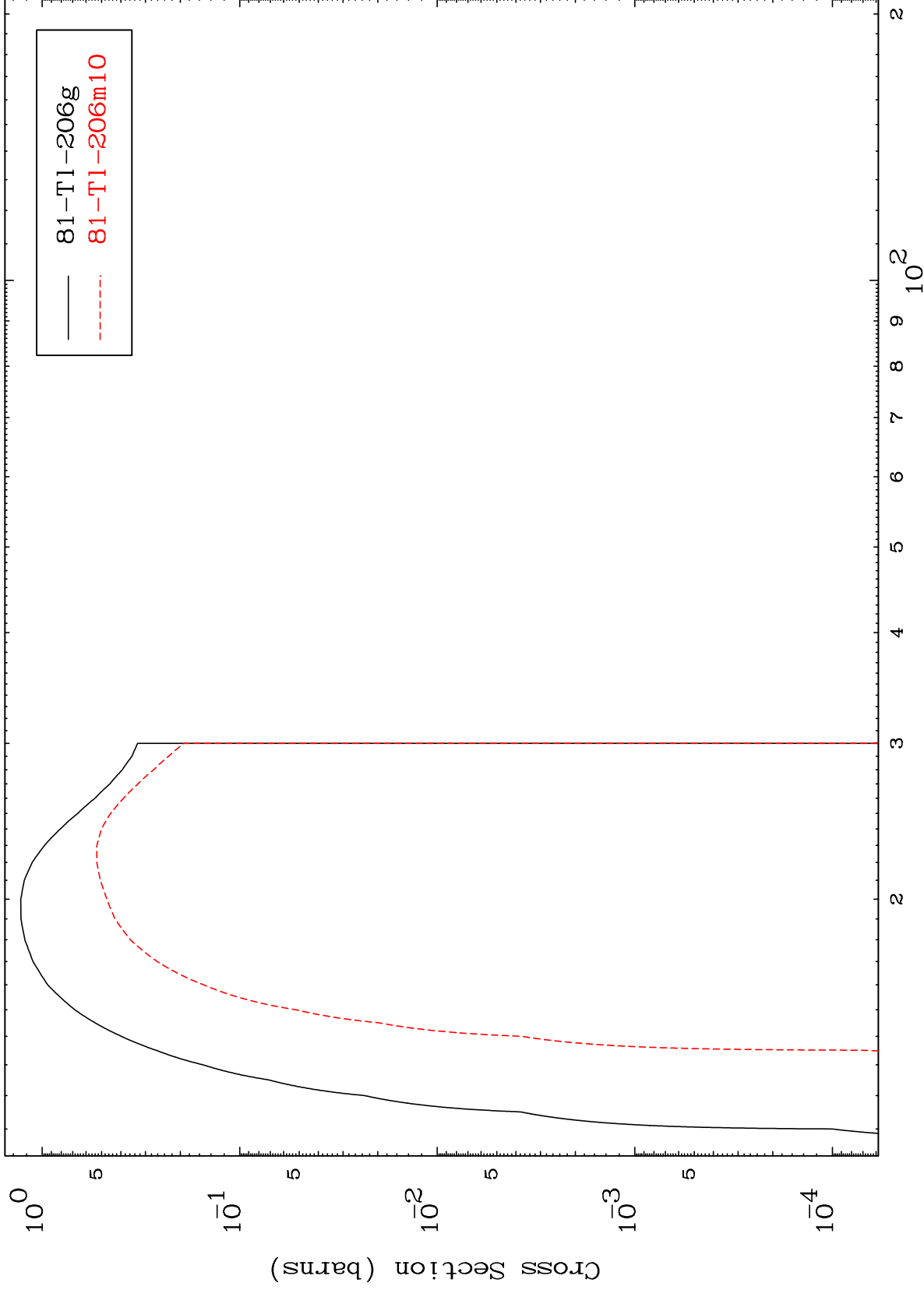


122

Incident Energy (MeV)

81-Tl-208

Radionuclide Production Cross Section



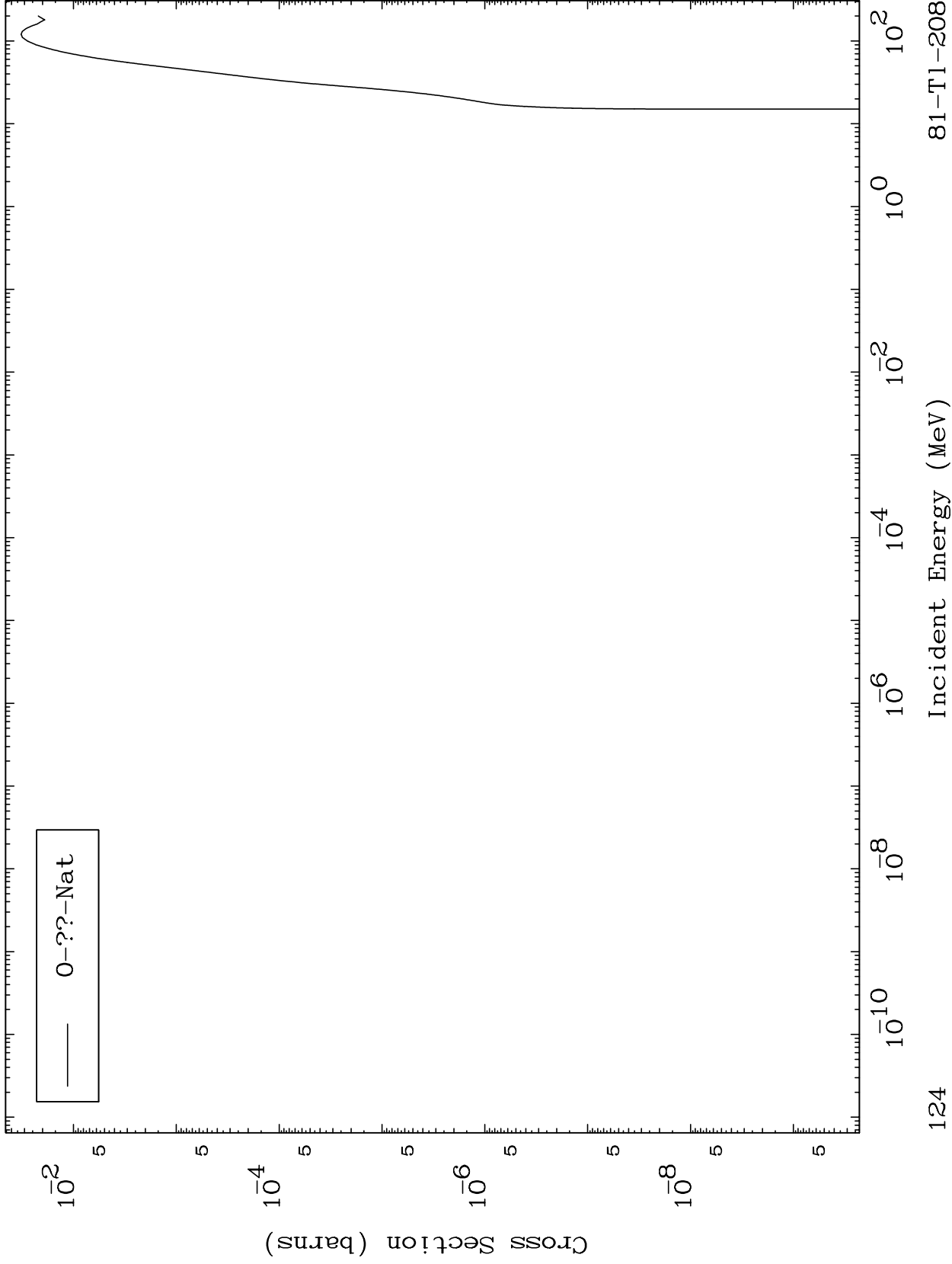
81-Tl-206g  
81-Tl-206m10

MAT 8140

Fission

81-Tl-208

Radionuclide Production Cross Section



124

Incident Energy (MeV)

81-Tl-208