

Program EVALPLOT  
(Version 2021-1)

by

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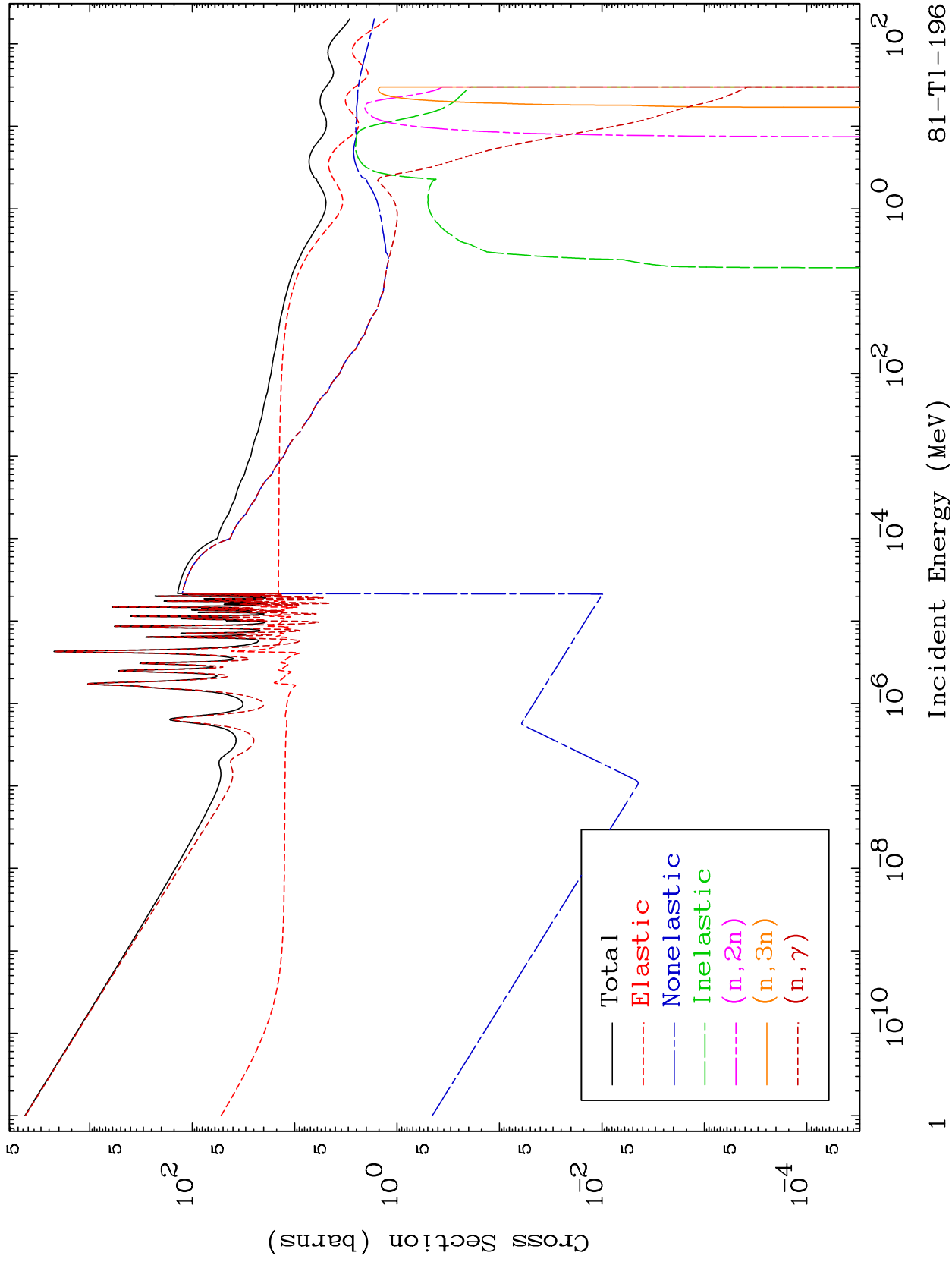
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8104

Neutron Major  
293 Kelvin Cross Sections

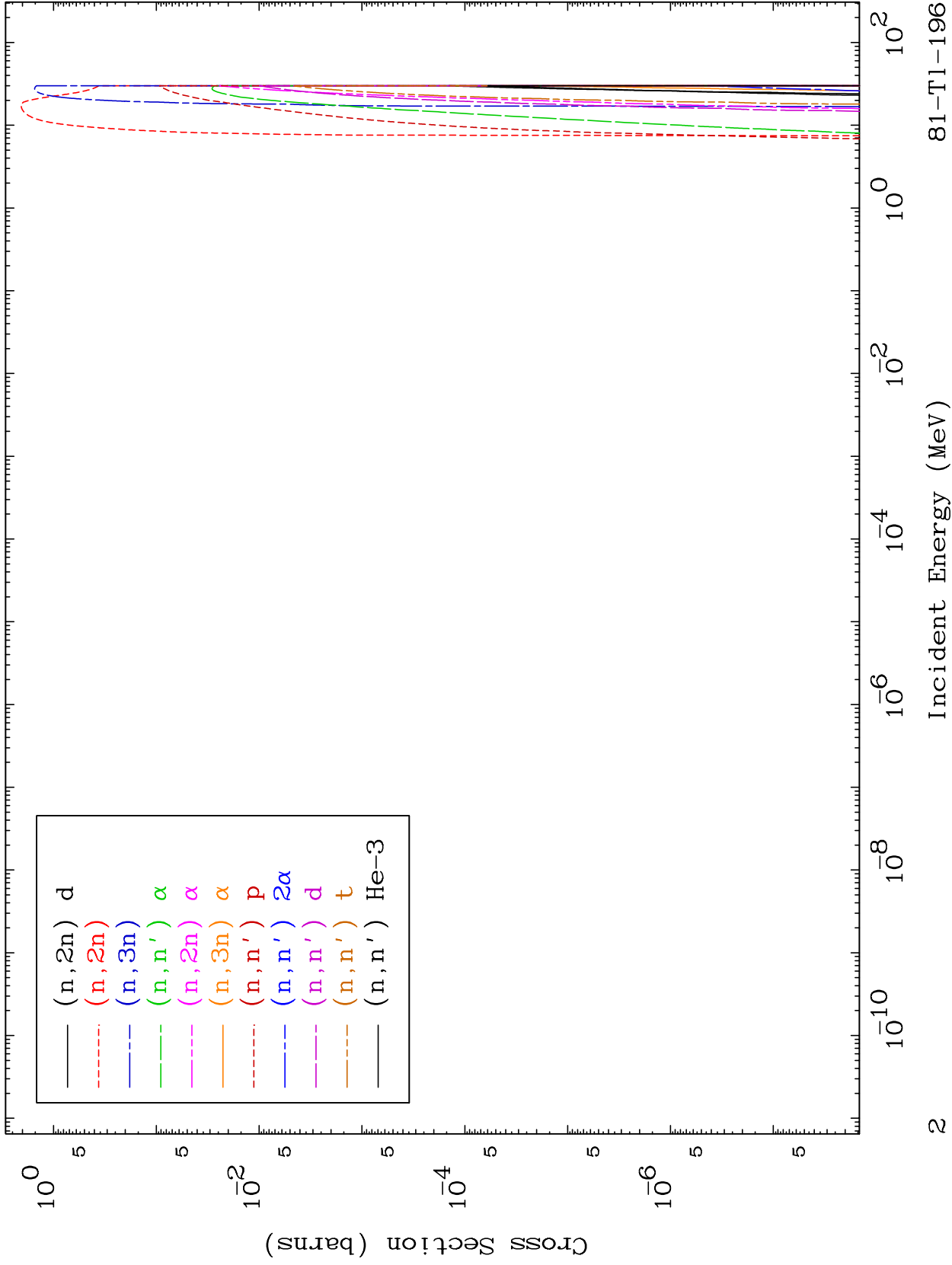
81-Tl-196

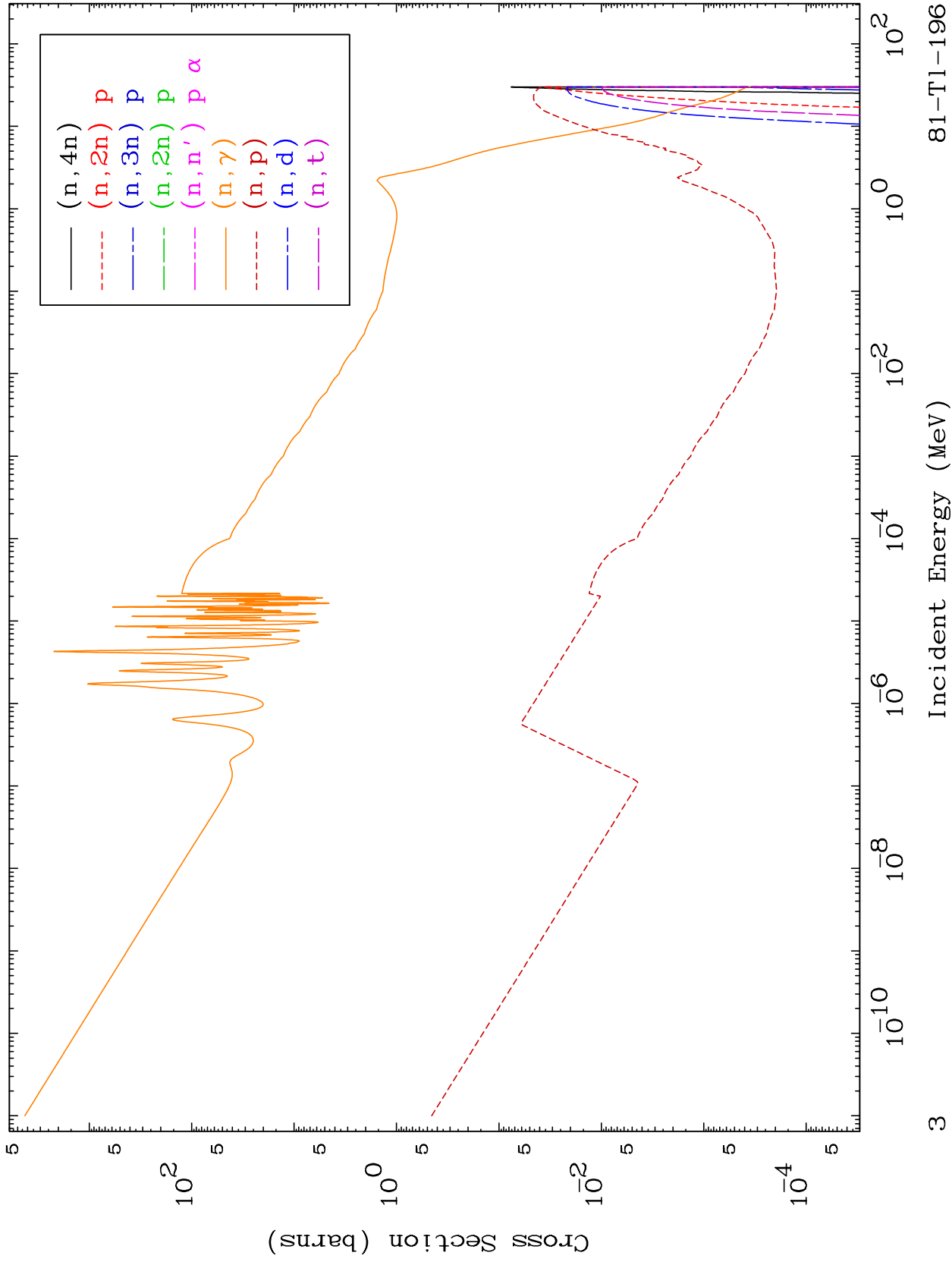


MAT 8104

Neutron Absorption  
293 Kelvin Cross Sections

81-Tl-196

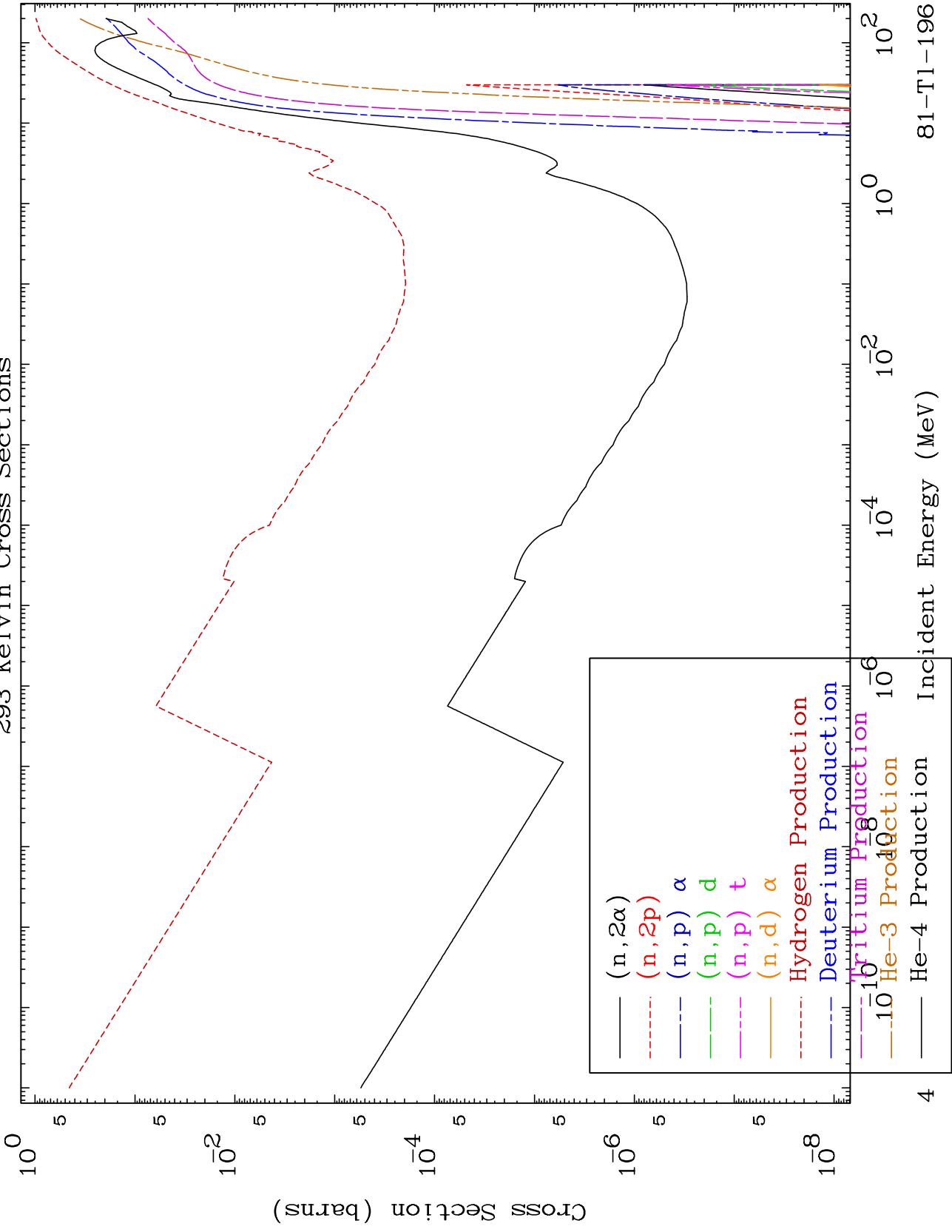




MAT 8104

Neutron Absorption  
293 Kelvin Cross Sections

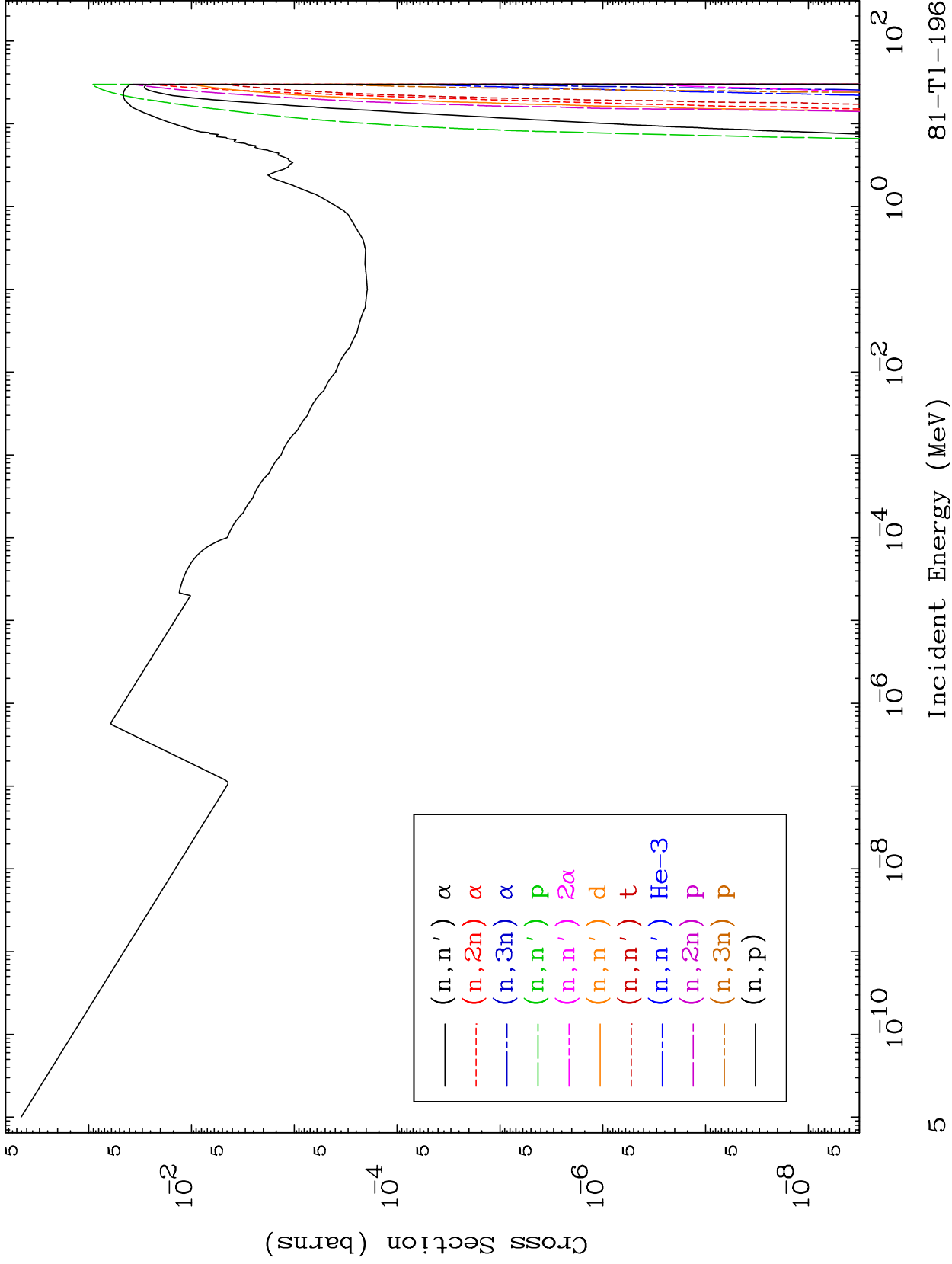
81-Tl-196



MAT 8104

Charged Particle  
293 Kelvin Cross Sections

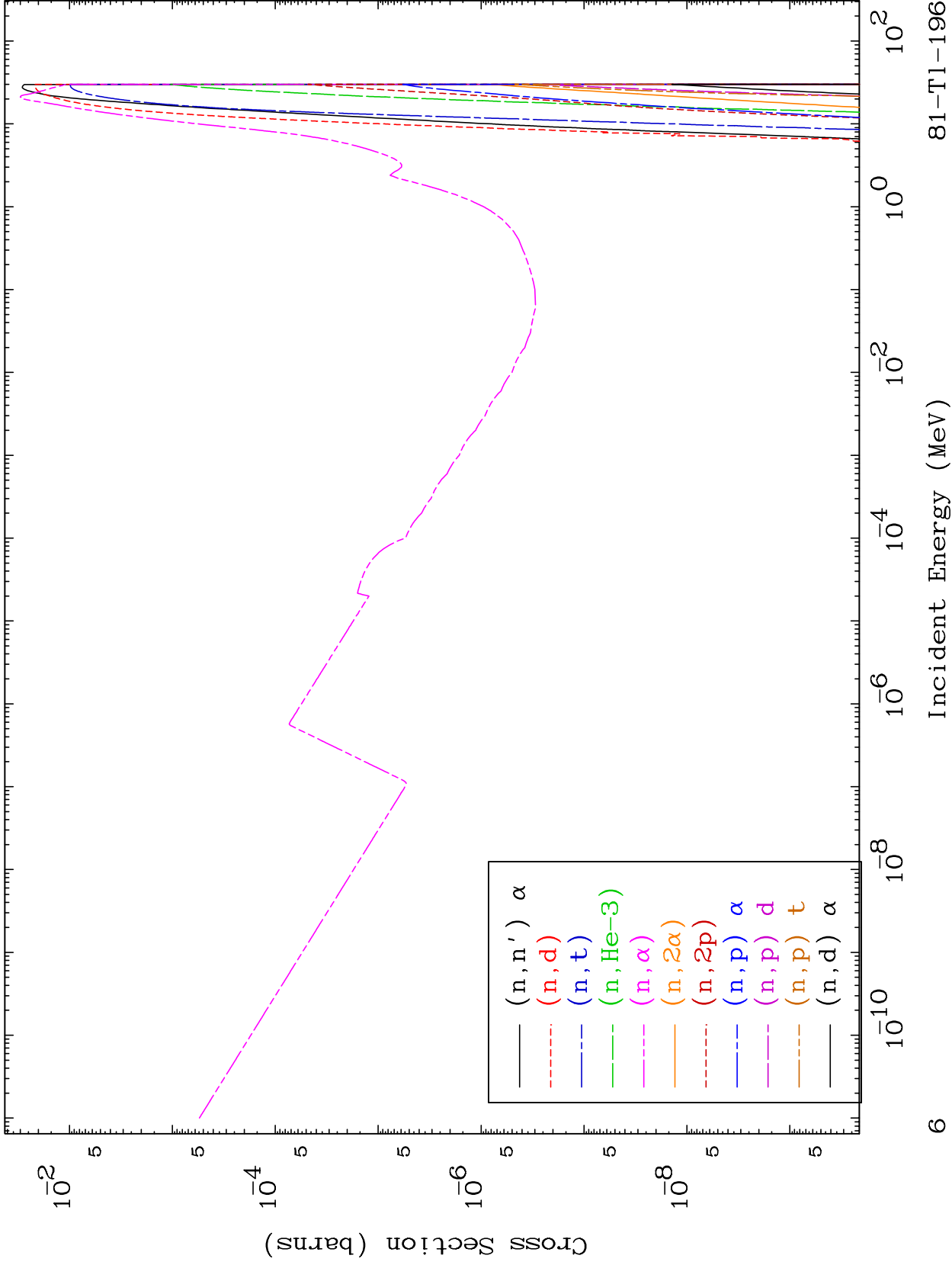
81-Tl-196



MAT 8104

Charged Particle  
293 Kelvin Cross Sections

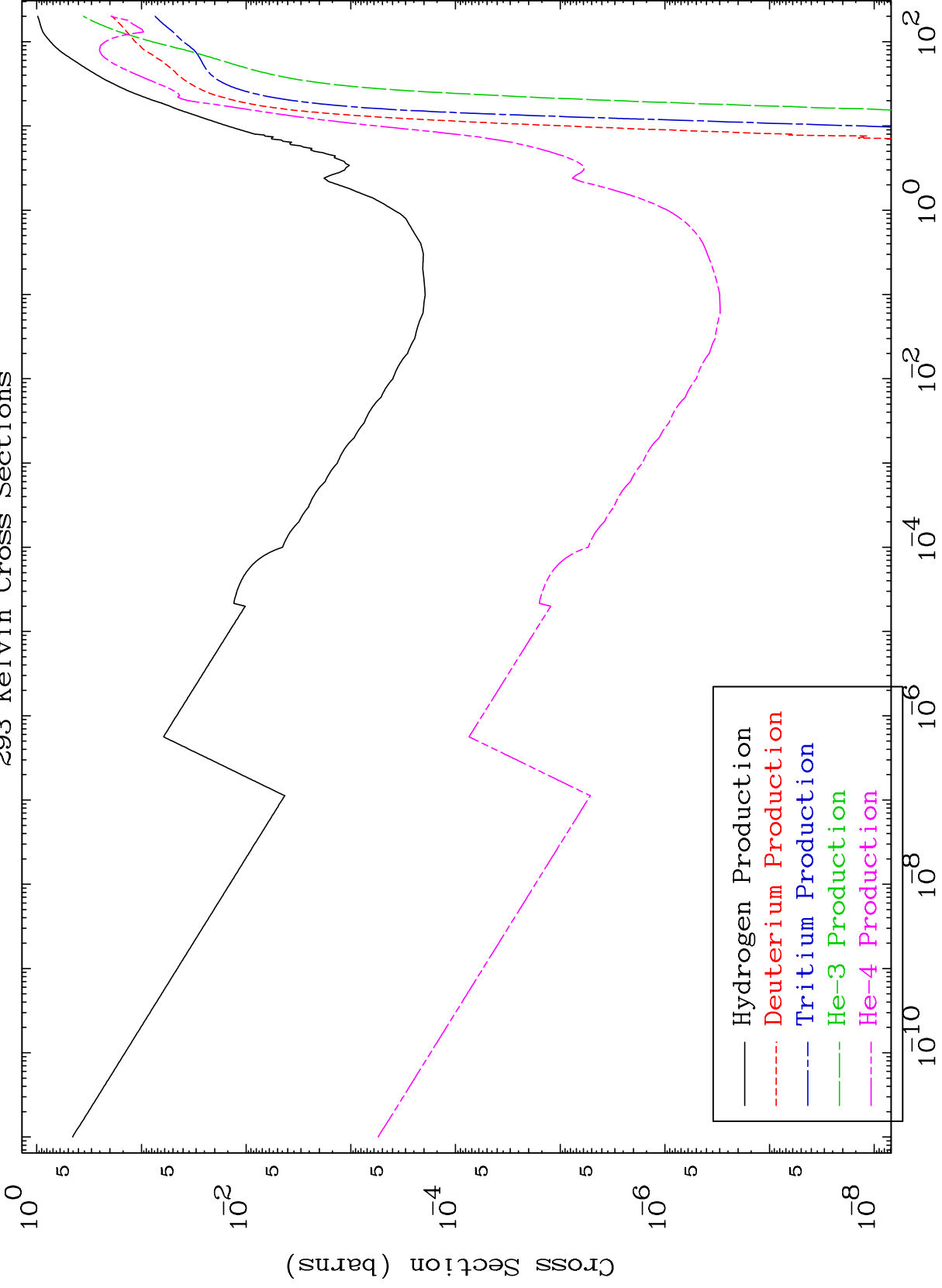
81-Tl-196



MAT 8104

Particle Production  
293 Kelvin Cross Sections

81-Tl-196



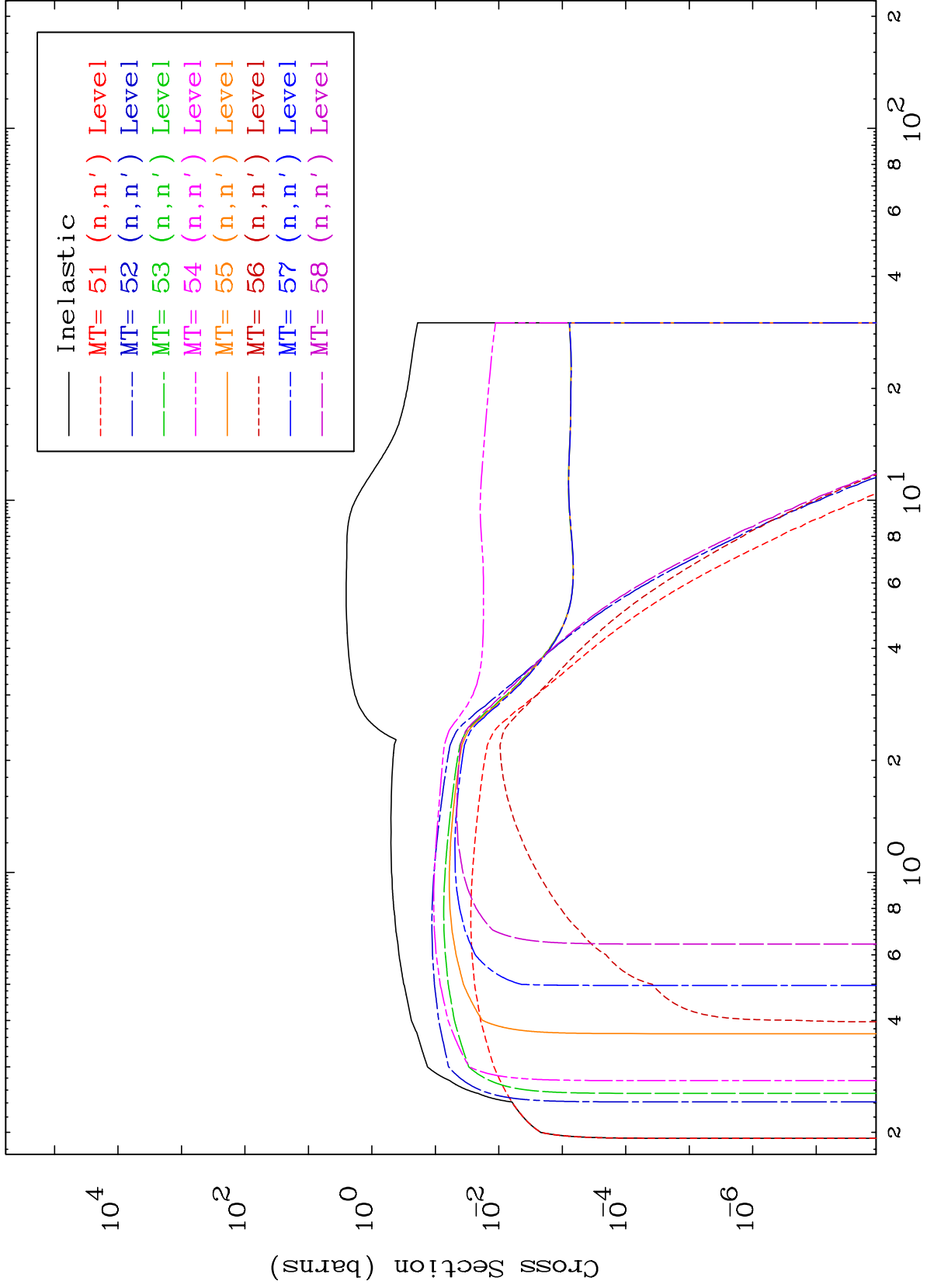


MAT 8104

(n,n') Levels

81-Tl-196

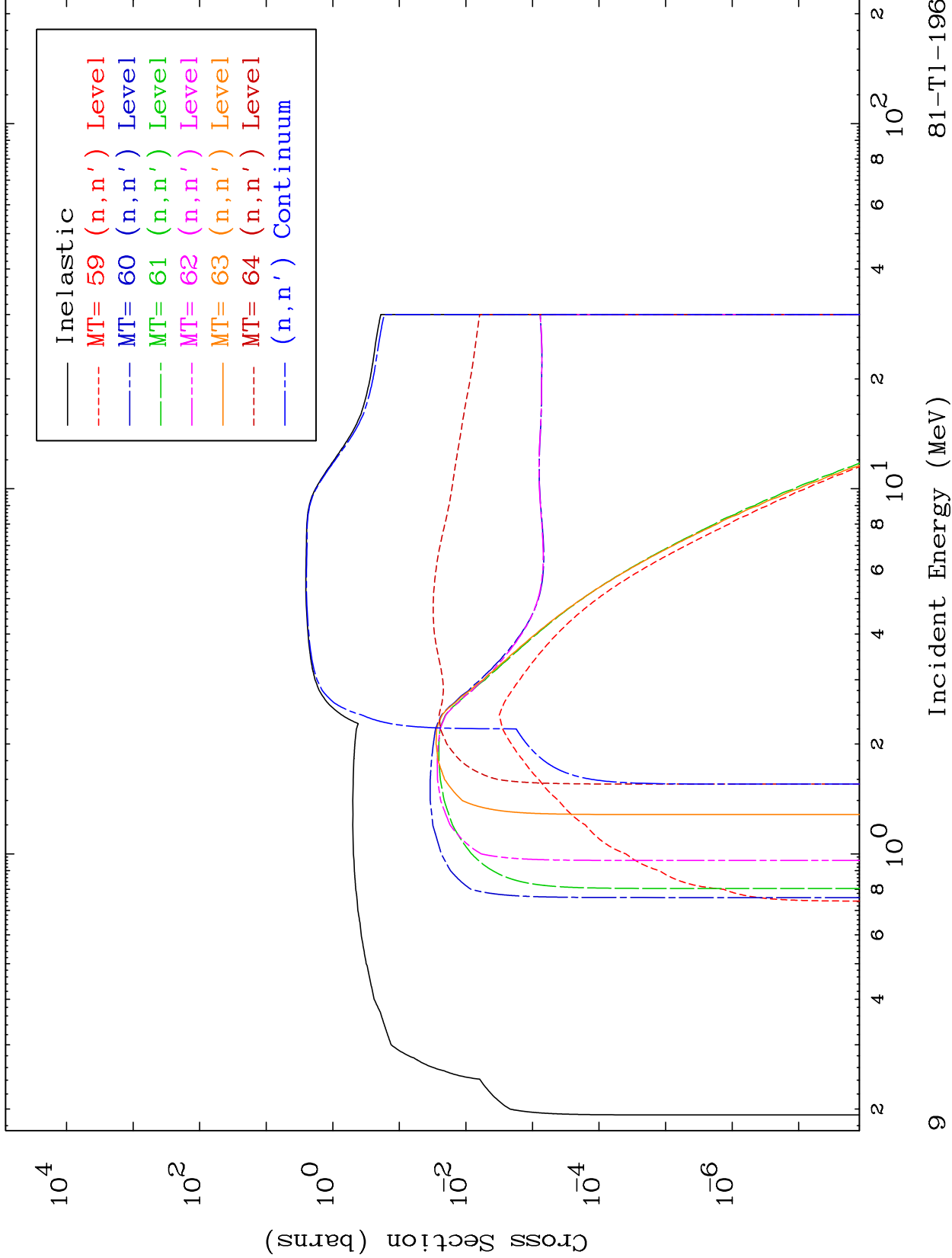
293 Kelvin Cross Sections



8

Incident Energy (MeV)

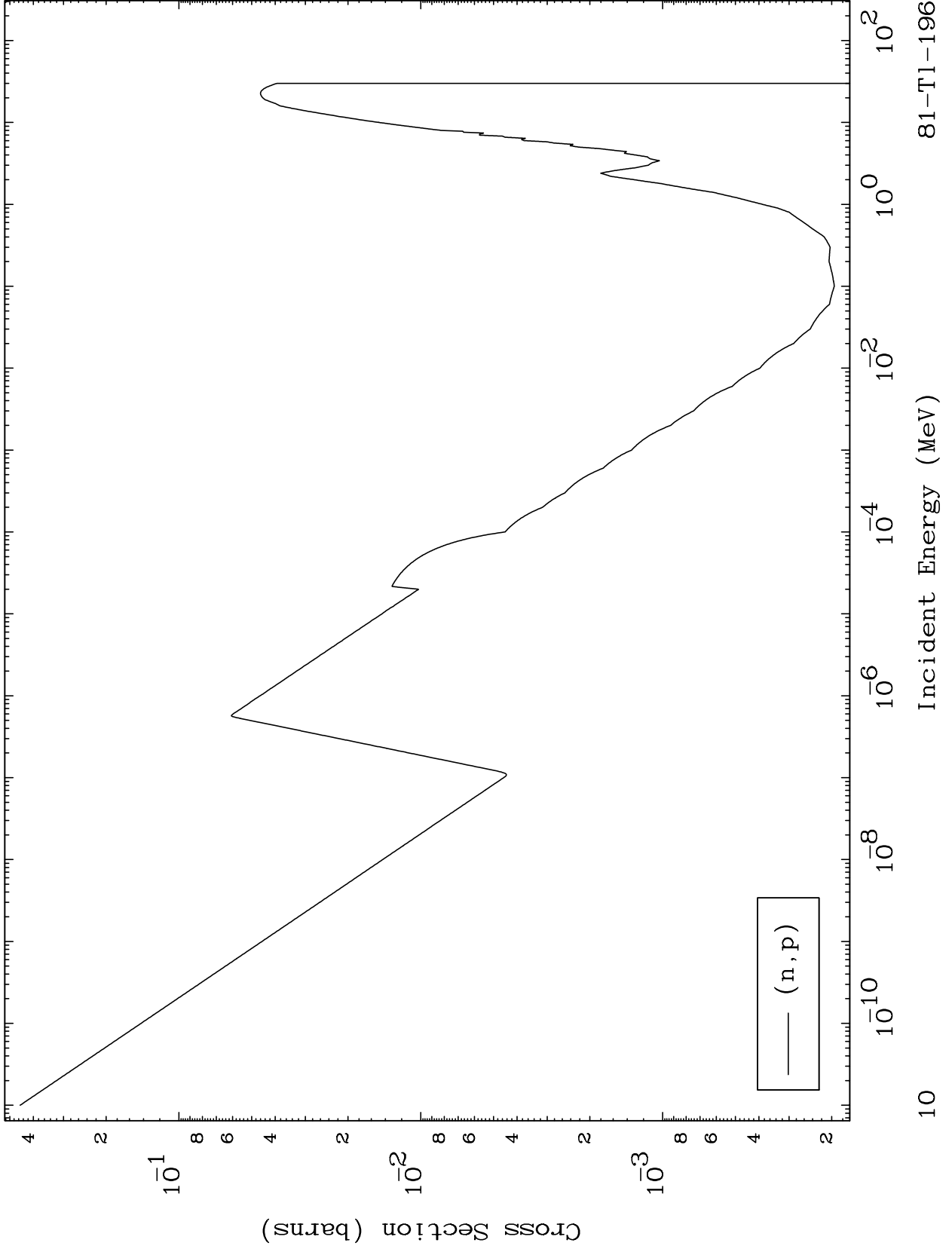
81-Tl-196



MAT 8104

(n,p) Levels  
293 Kelvin Cross Sections

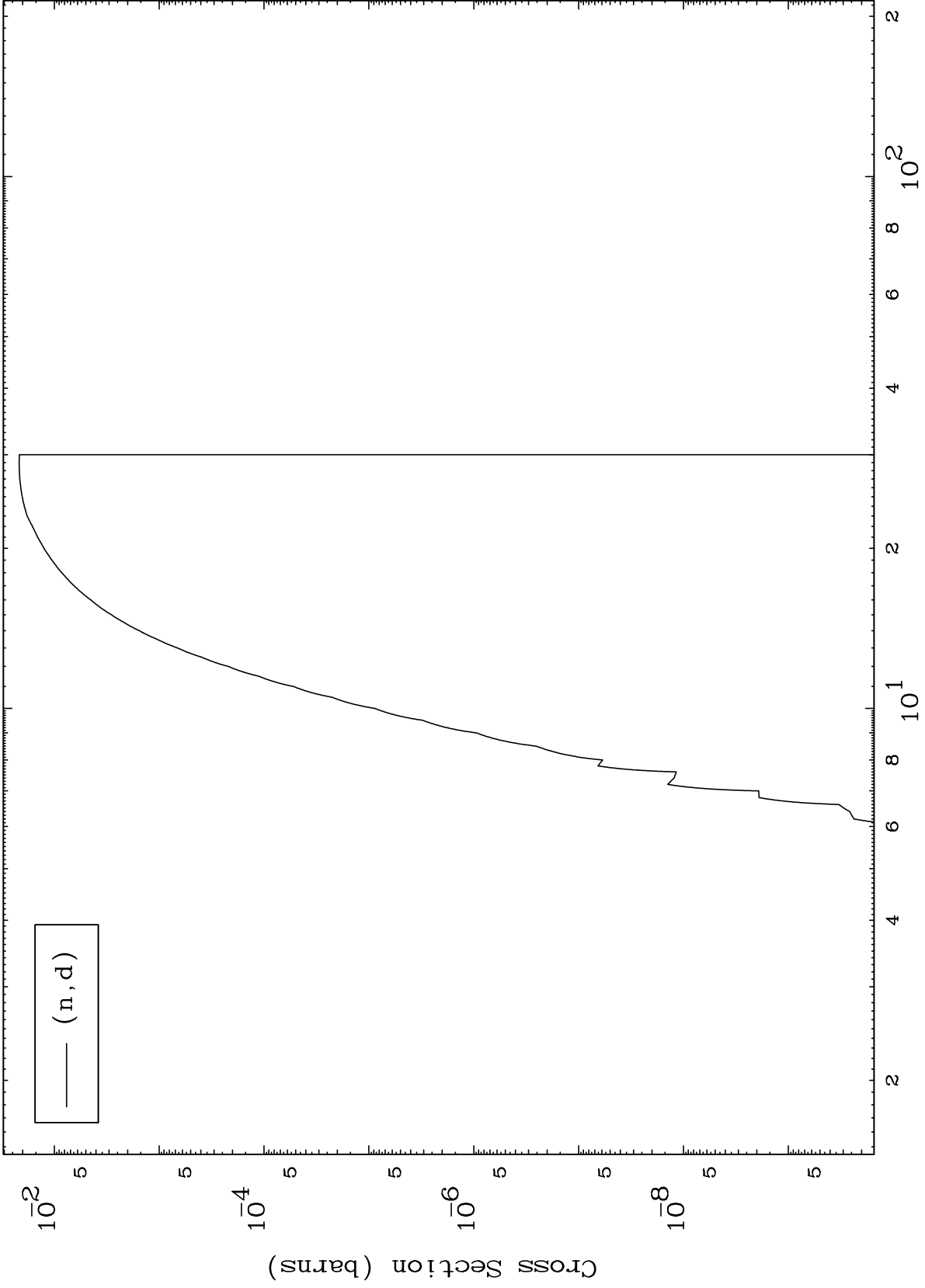
81-Tl-196



MAT 8104

(n,d) Levels  
293 Kelvin Cross Sections

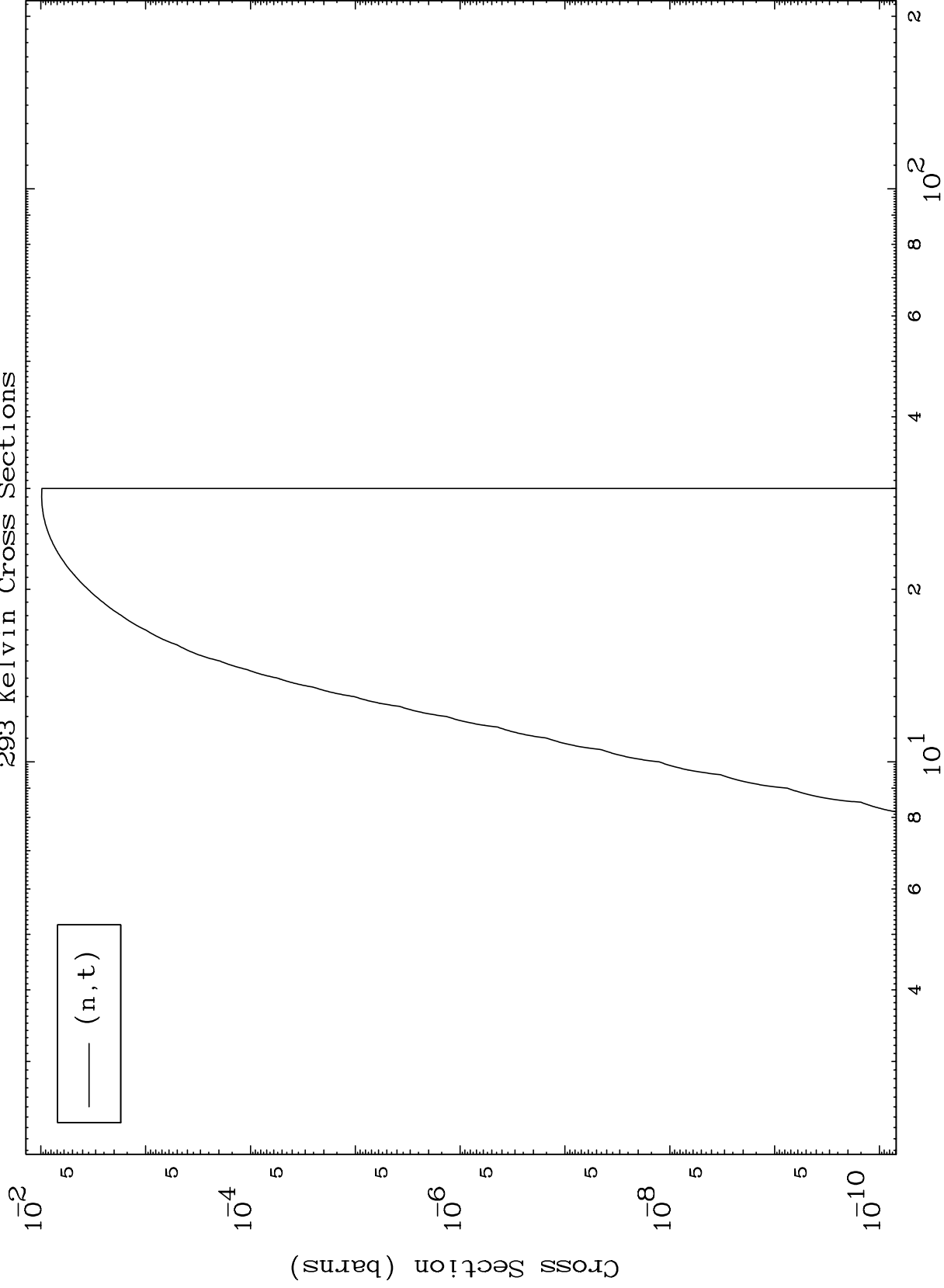
81-Tl-196



MAT 8104

(n,t) Levels  
293 Kelvin Cross Sections

81-Tl-196



(n,t)

12

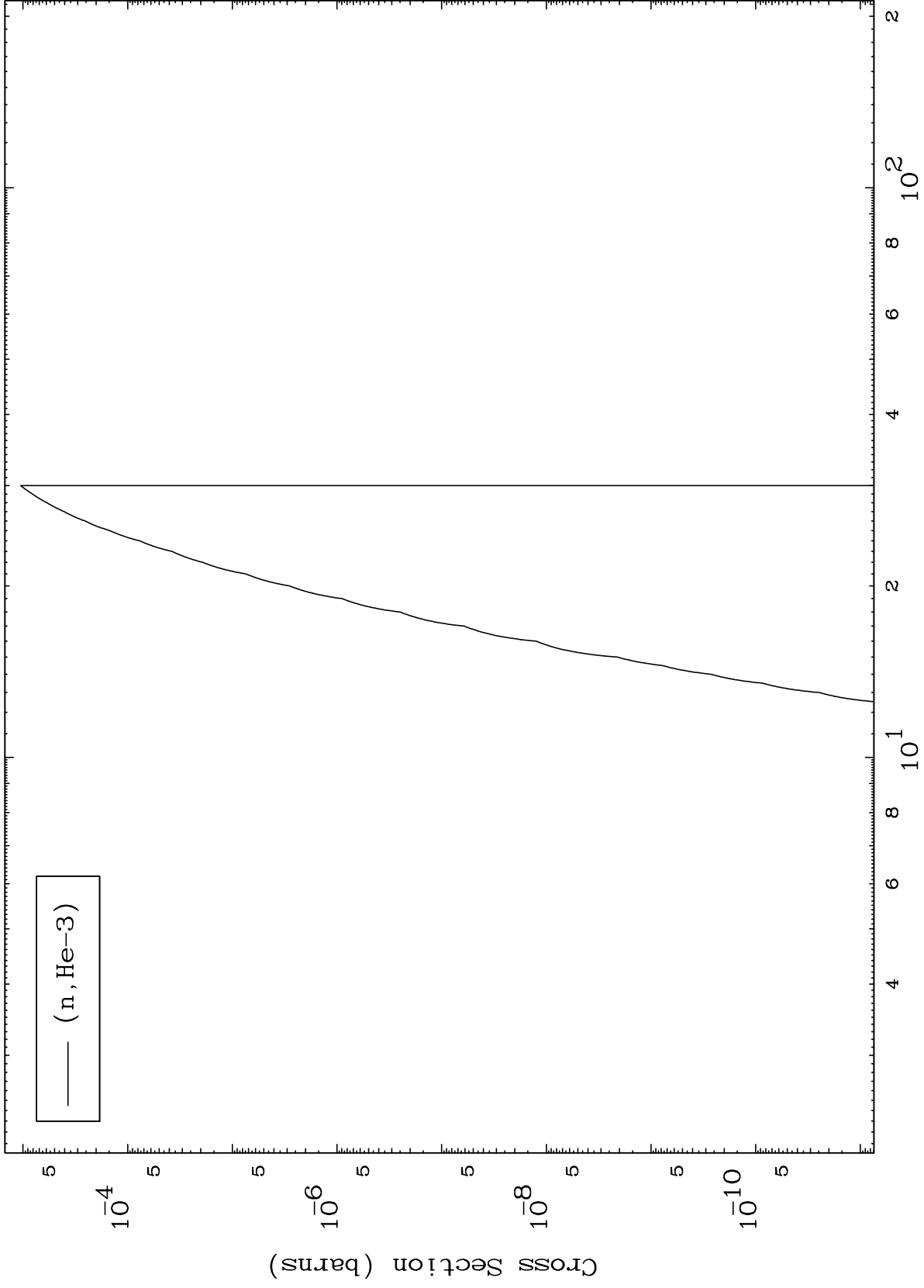
Incident Energy (MeV)

81-Tl-196

MAT 8104

(n,He3) Levels  
293 Kelvin Cross Sections

81-T1-196



13

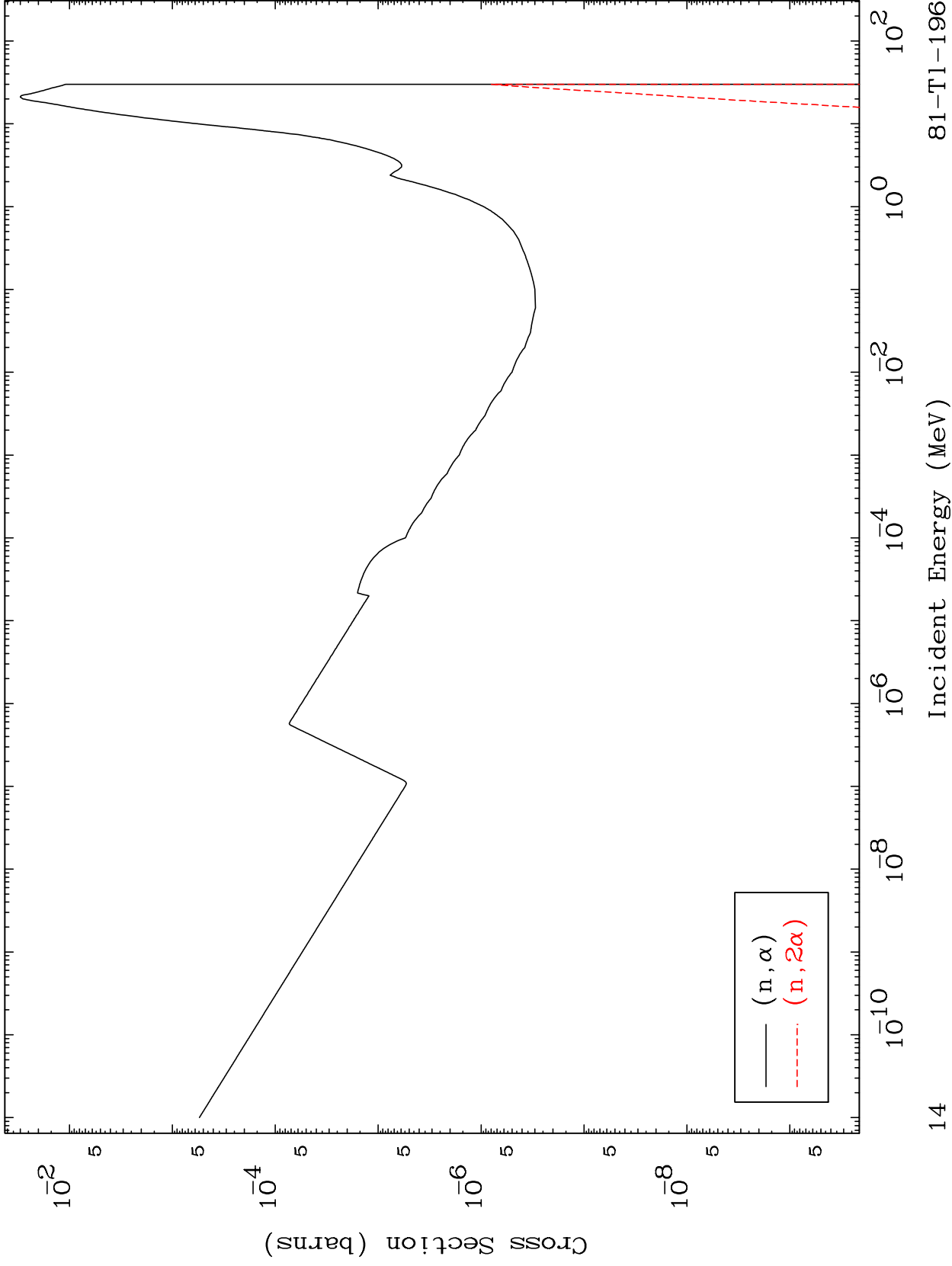
Incident Energy (MeV)

81-T1-196

MAT 8104

(n,α) Levels  
293 Kelvin Cross Sections

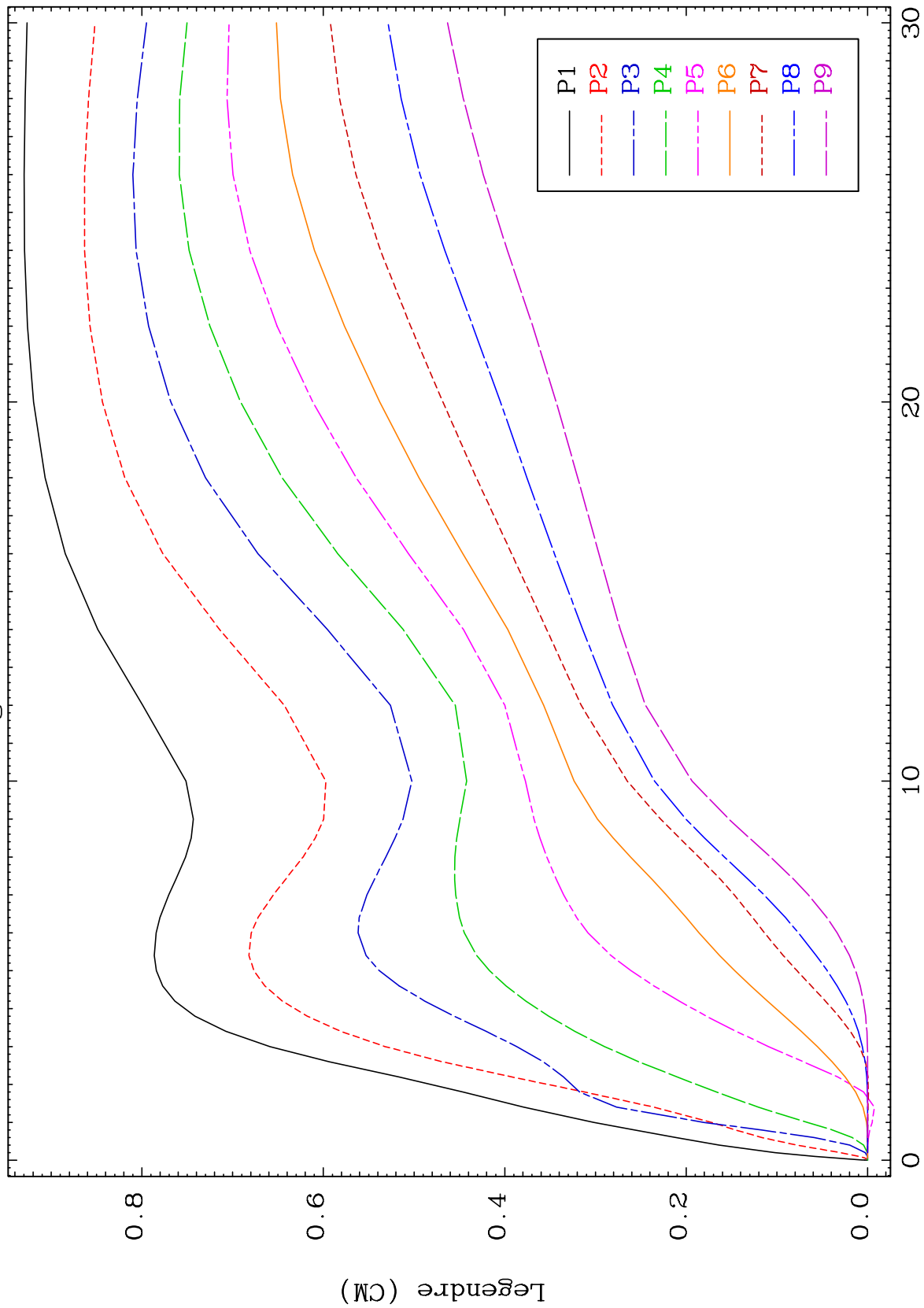
81-Tl-196



MAT 8104

Elastic Legendre Coefficients

81-Tl-196

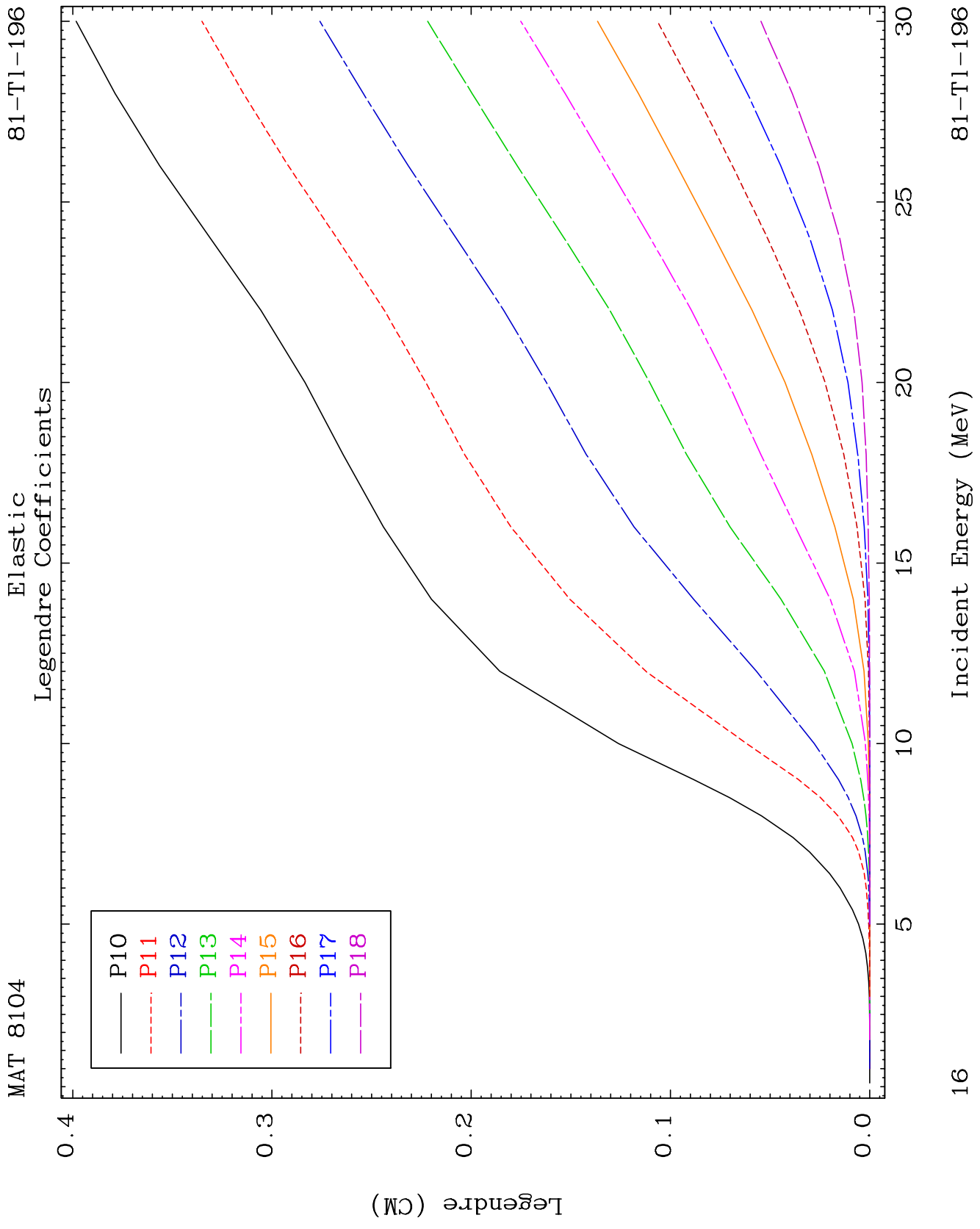


15

Incident Energy (MeV)

81-Tl-196

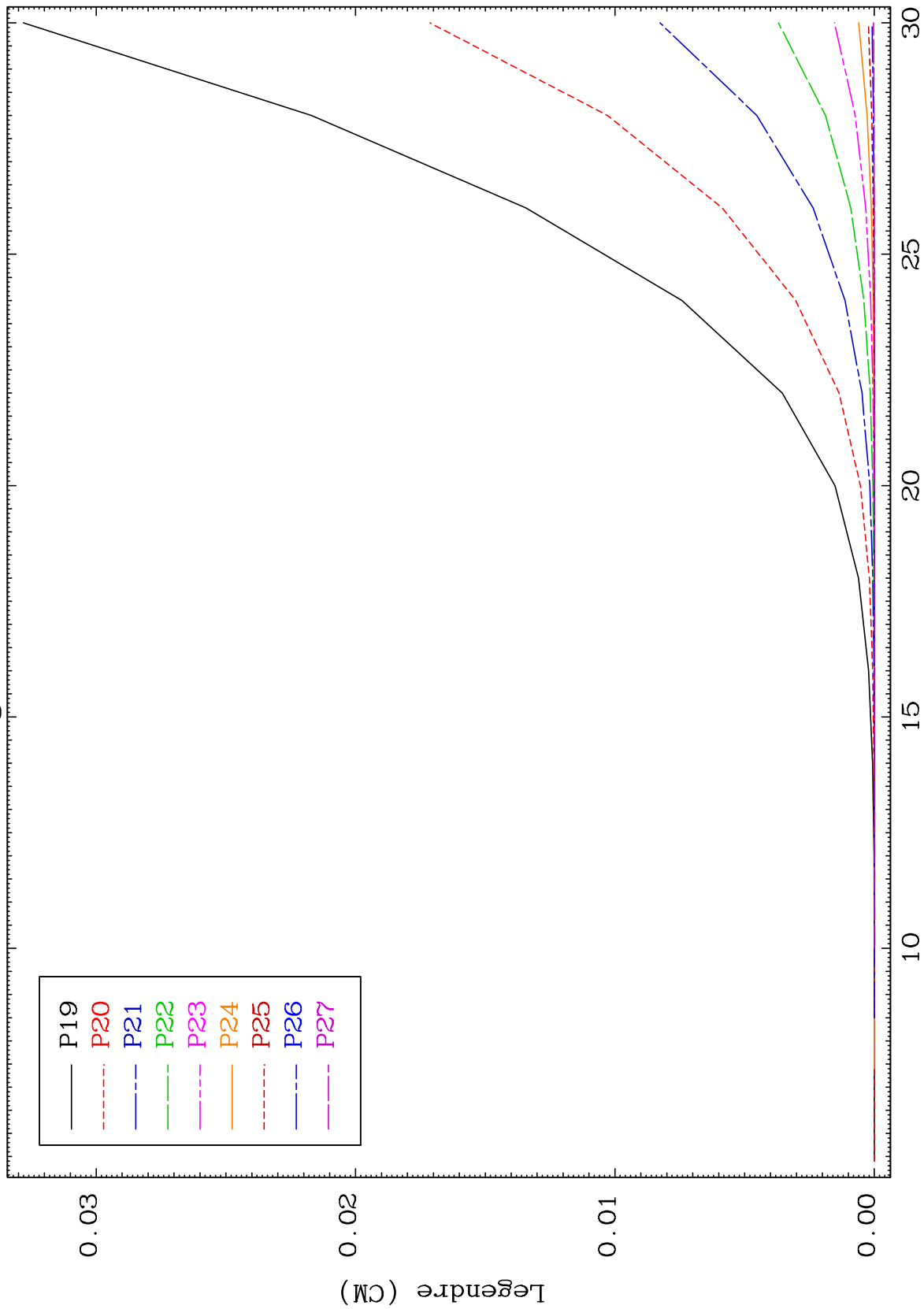




MAT 8104

### Elastic Legendre Coefficients

81-T1-196



17

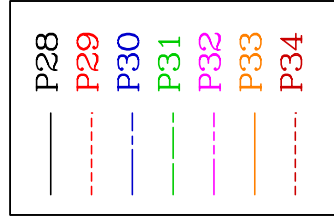
Incident Energy (MeV)

81-T1-196

MAT 8104

Elastic  
Legendre Coefficients

81-T1-196



$\times 10^{-5}$

Legendre (CM)

0.8

0.6

0.4

0.2

0.0

15

20

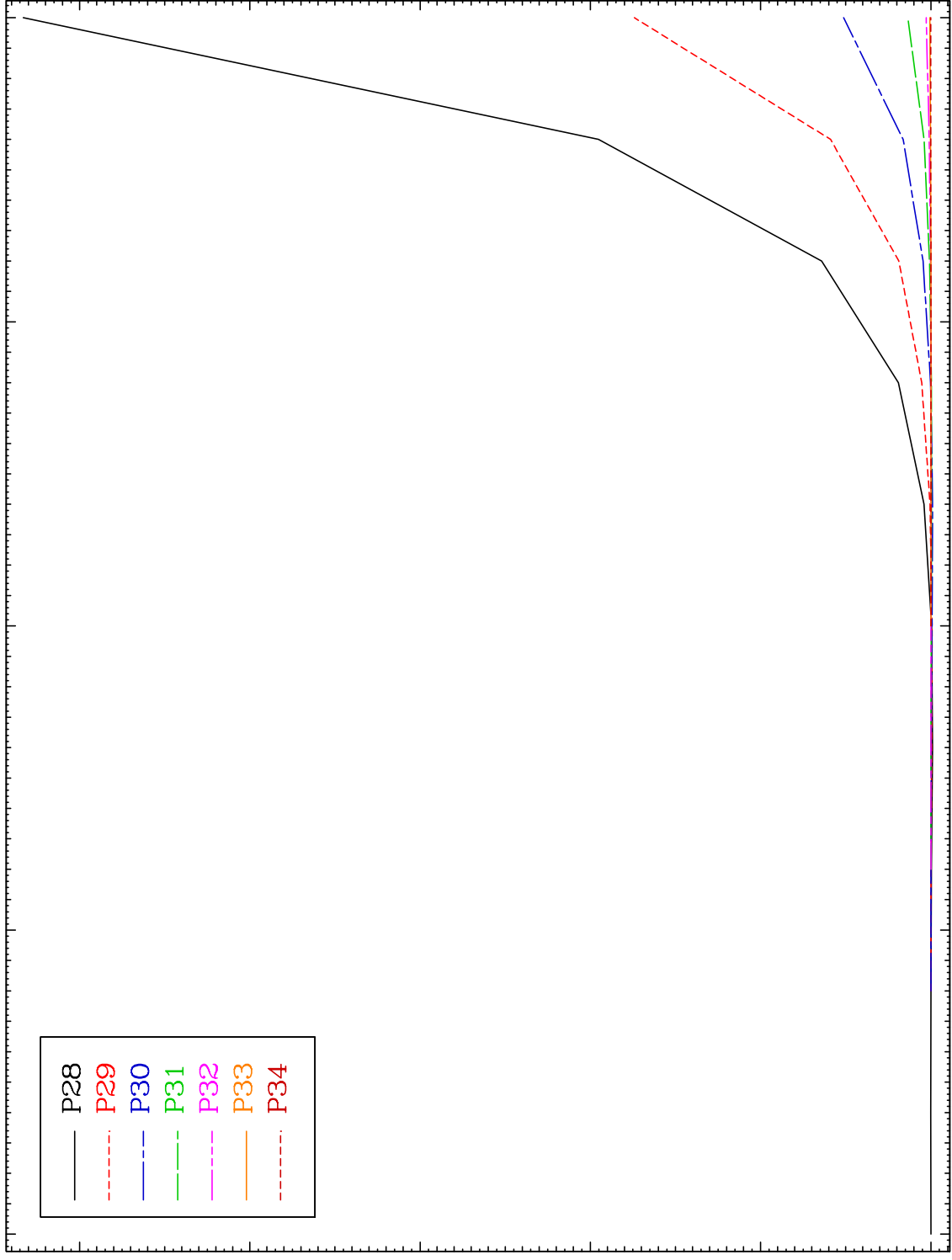
25

30

18

Incident Energy (MeV)

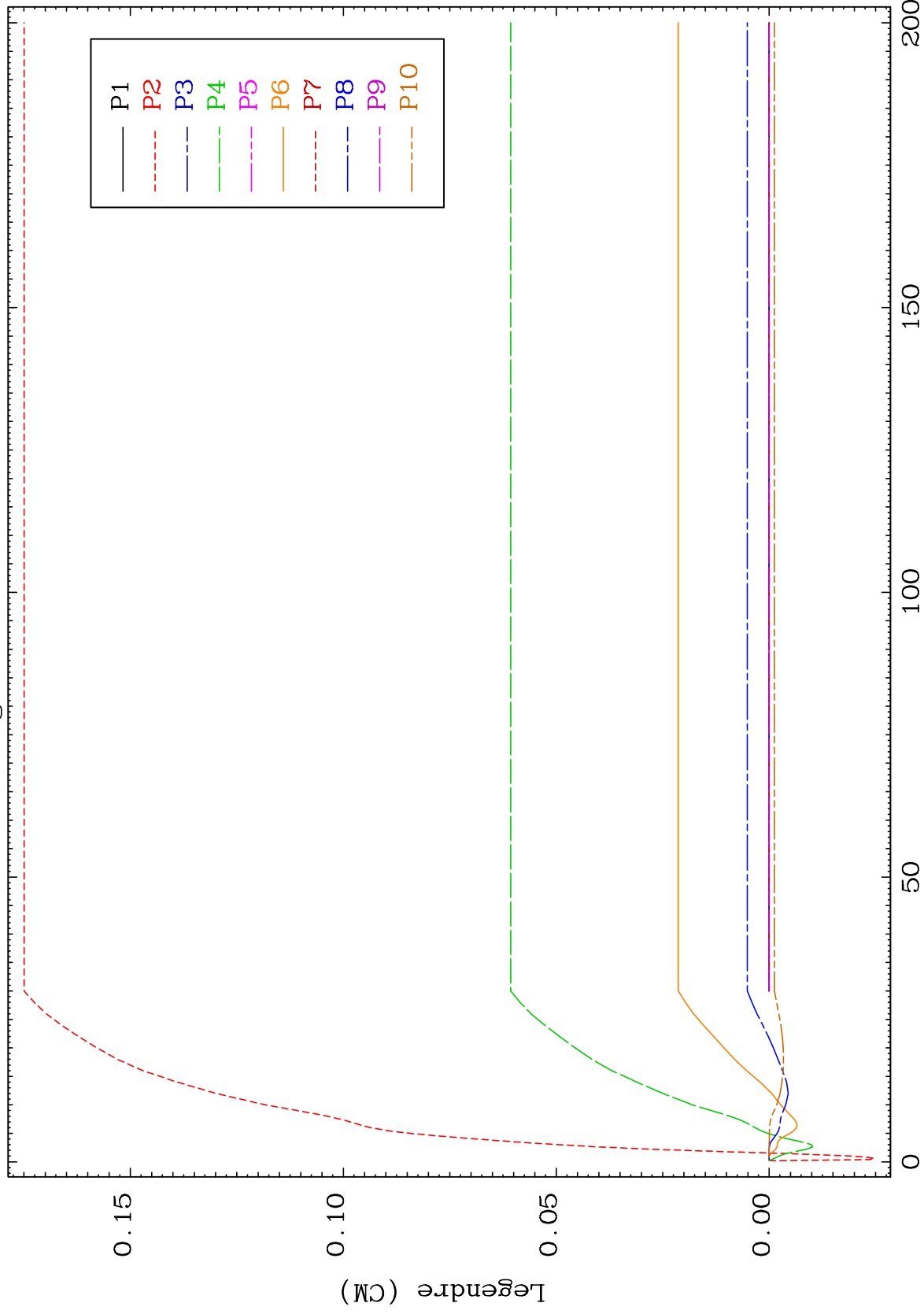
81-T1-196



MAT 8104

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

81-Tl-196



19

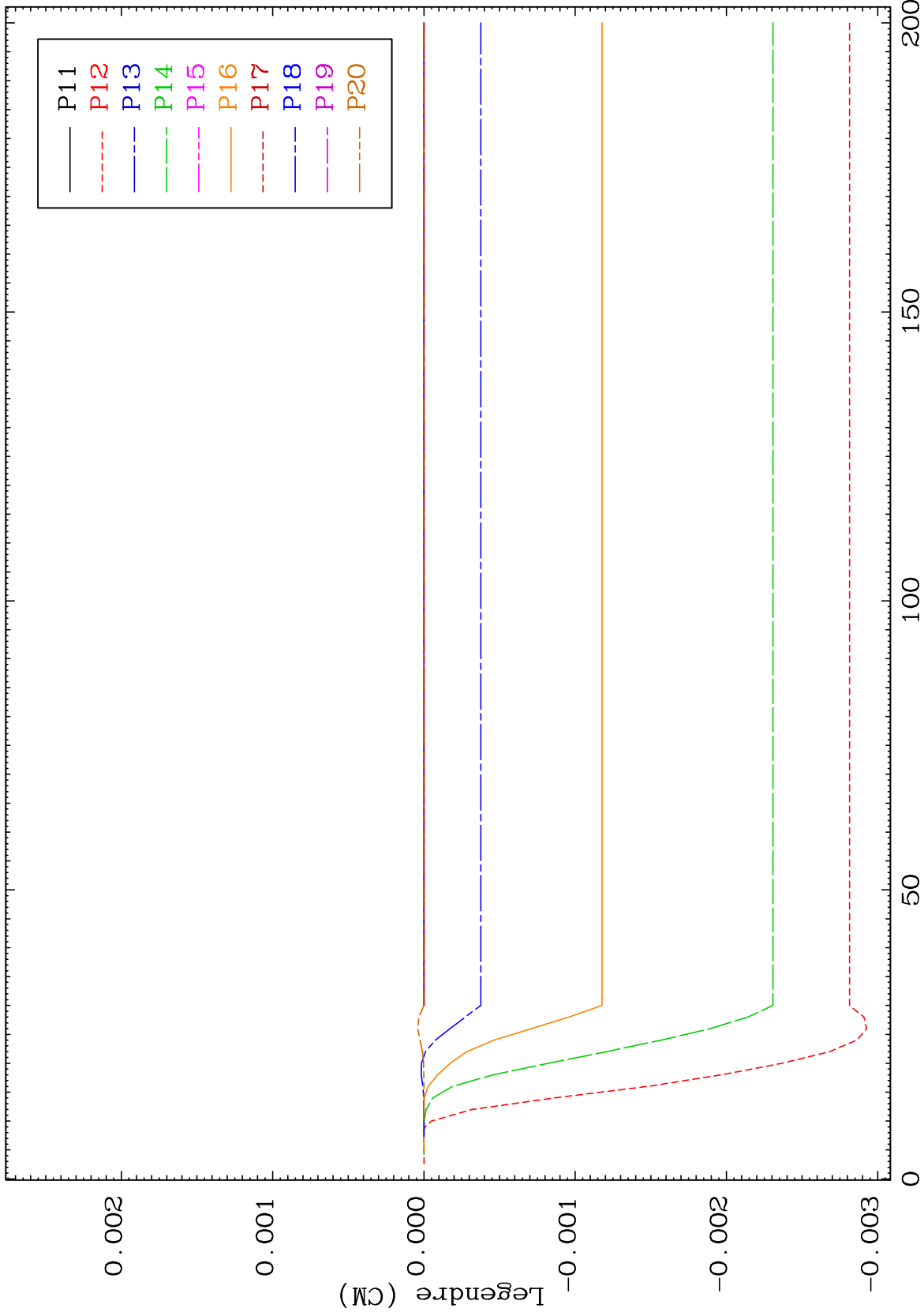
Incident Energy (MeV)

81-Tl-196

MAT 8104

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

81-T1-196



20

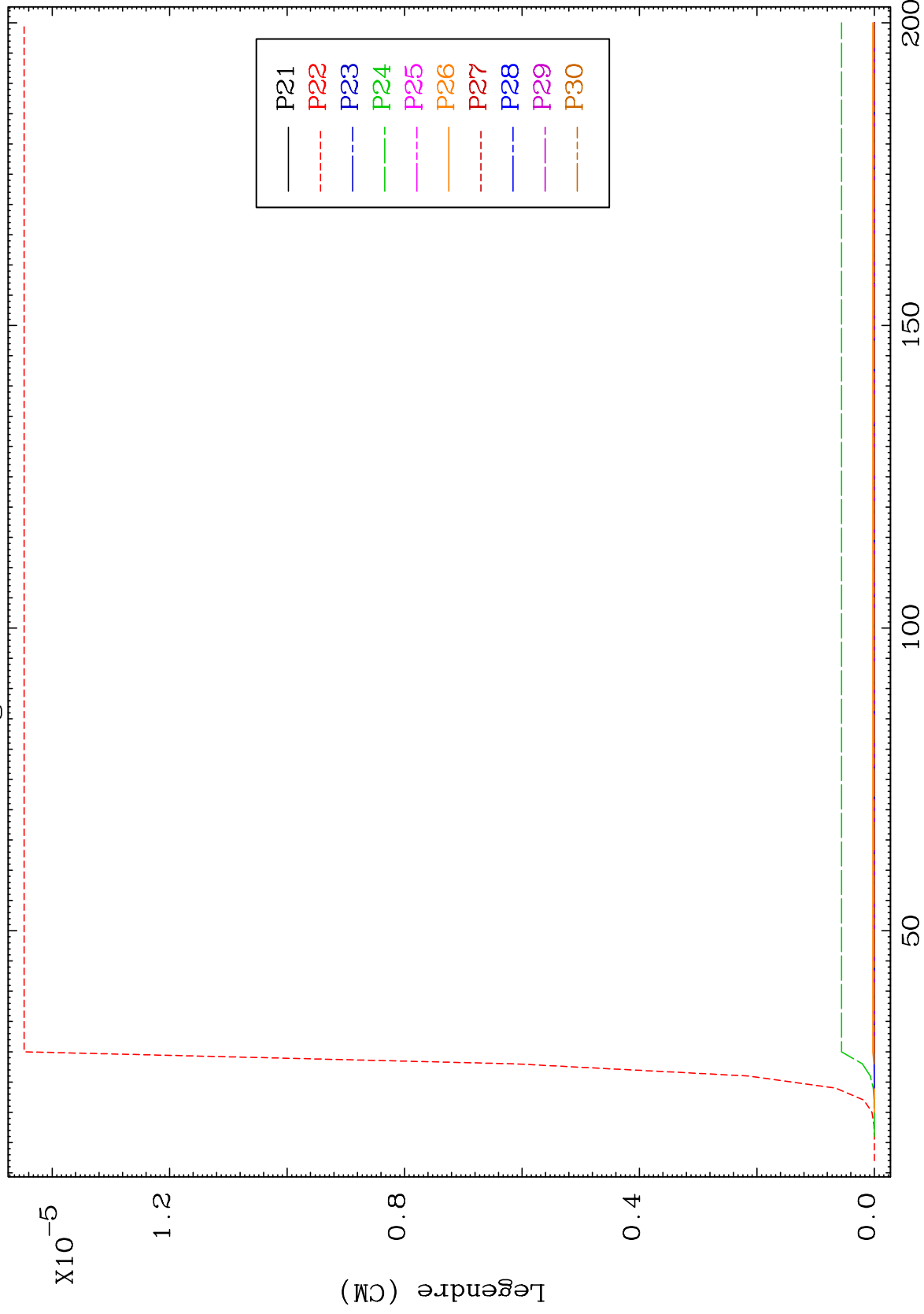
Incident Energy (MeV)

81-T1-196

MAT 8104

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

81-T1-196



21

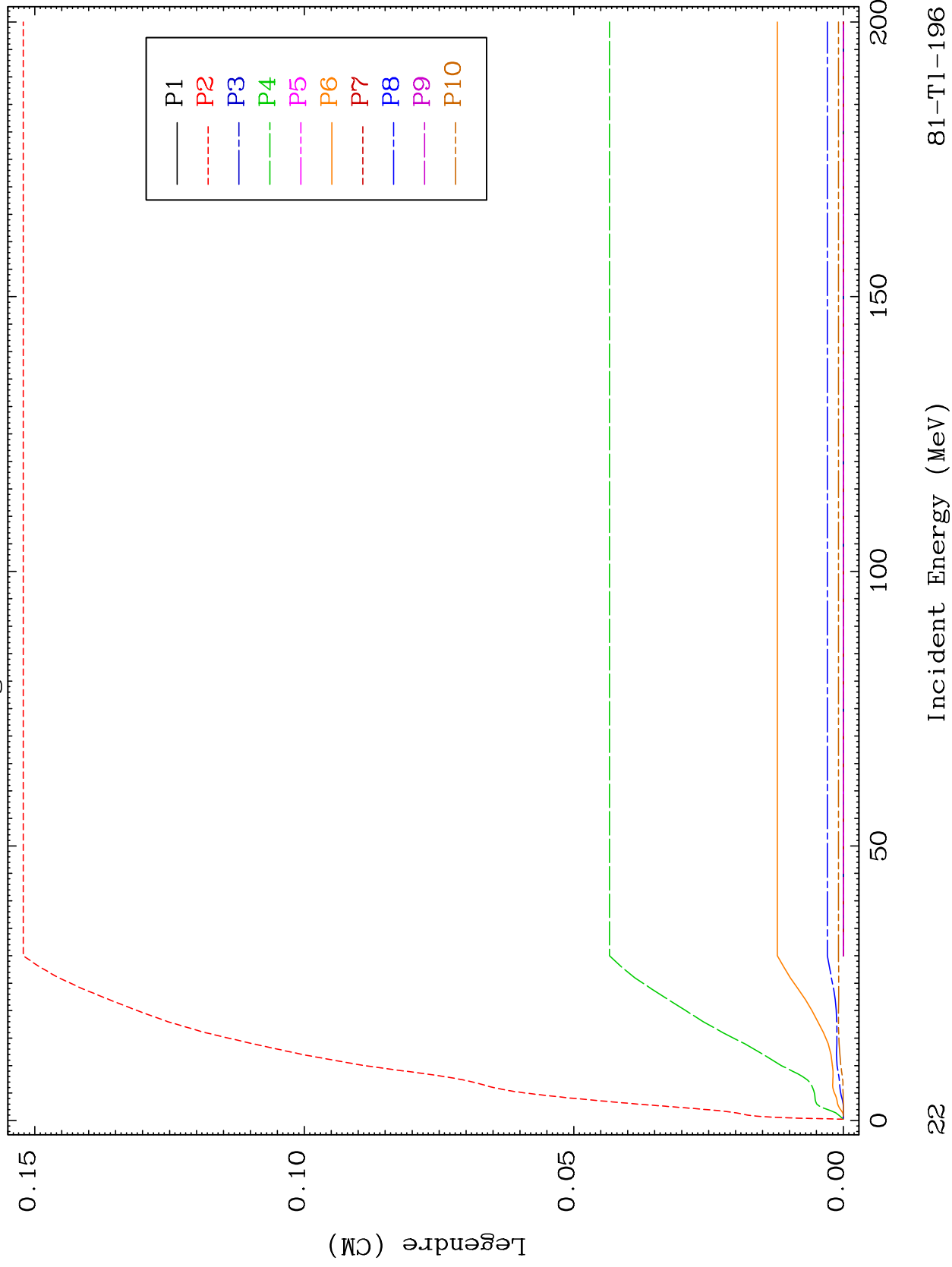
Incident Energy (MeV)

81-T1-196

MAT 8104

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

81-Tl-196



81-Tl-196

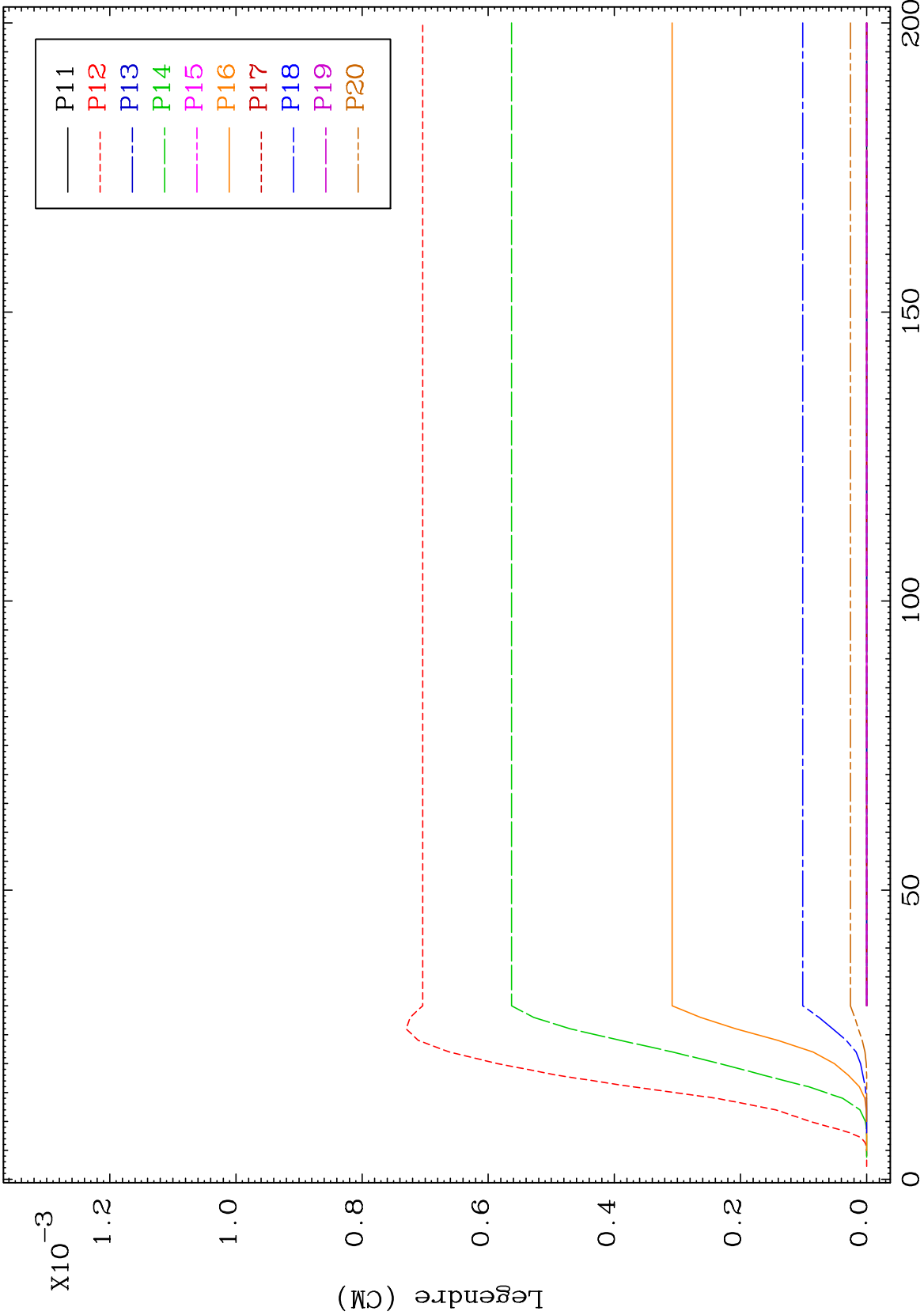
Incident Energy (MeV)

22

MAT 8104

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

81-T1-196



23

Incident Energy (MeV)

81-T1-196

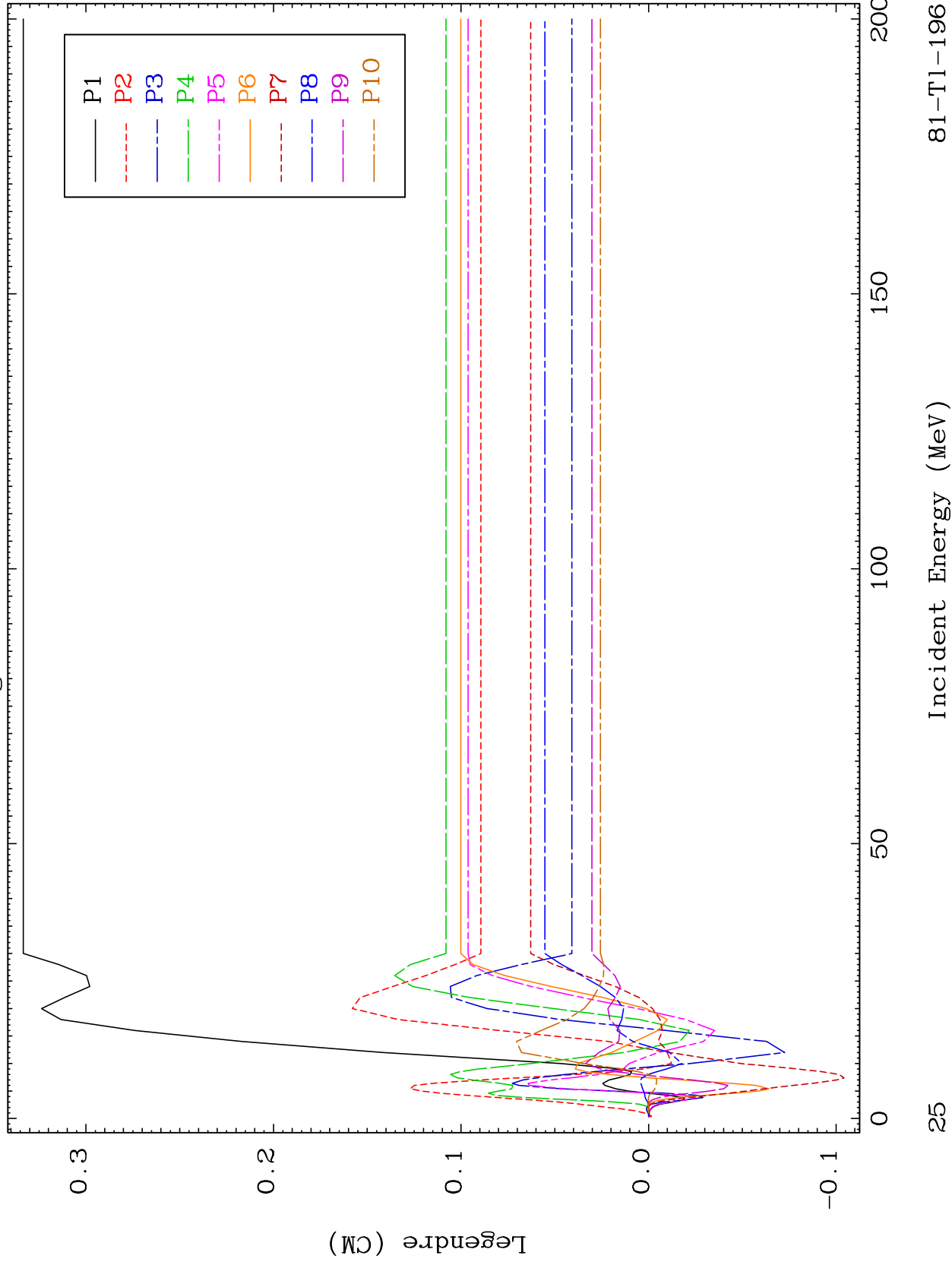




MAT 8104

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

81-T1-196



81-T1-196

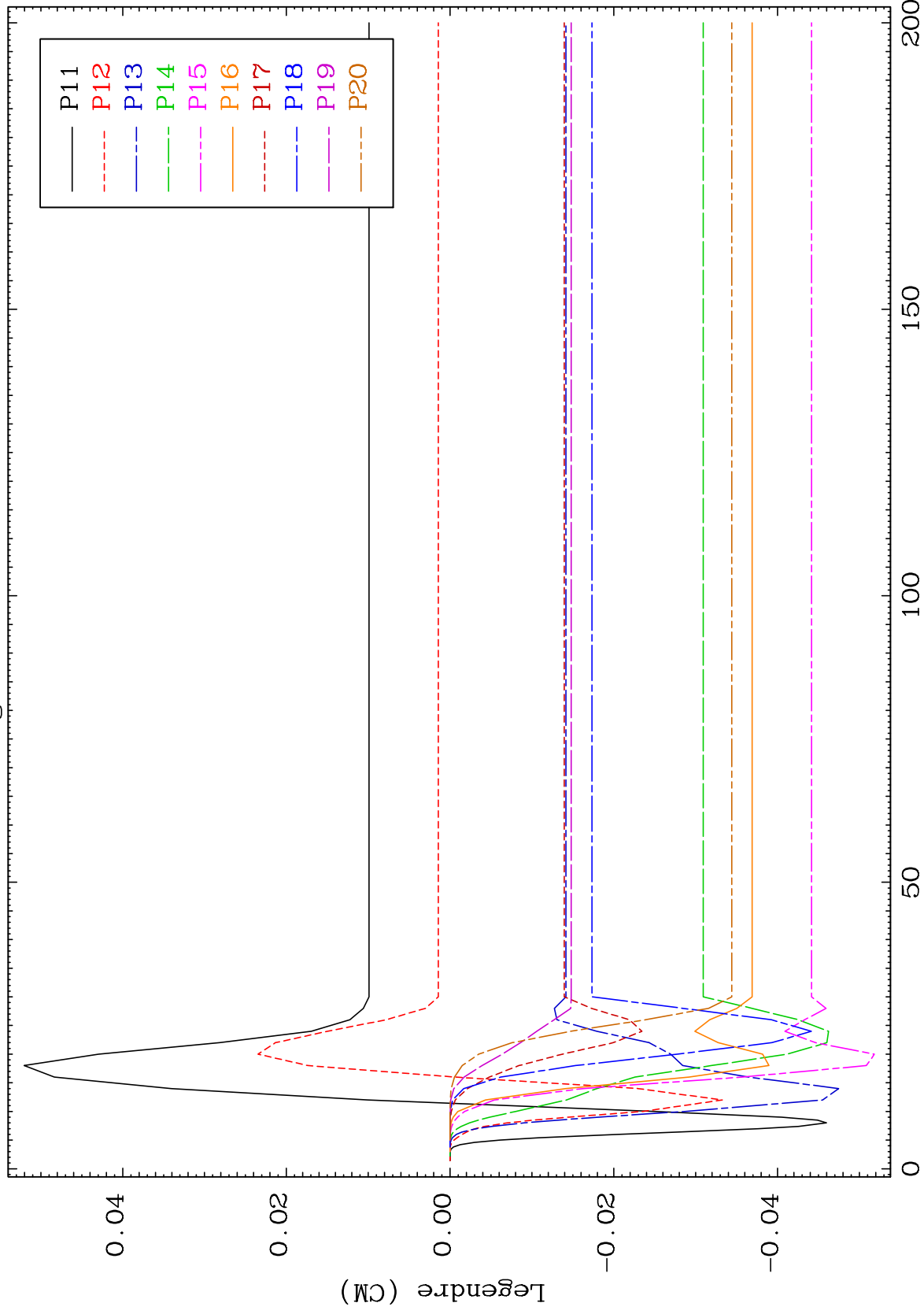
Incident Energy (MeV)

25

MAT 8104

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

81-T1-196



26

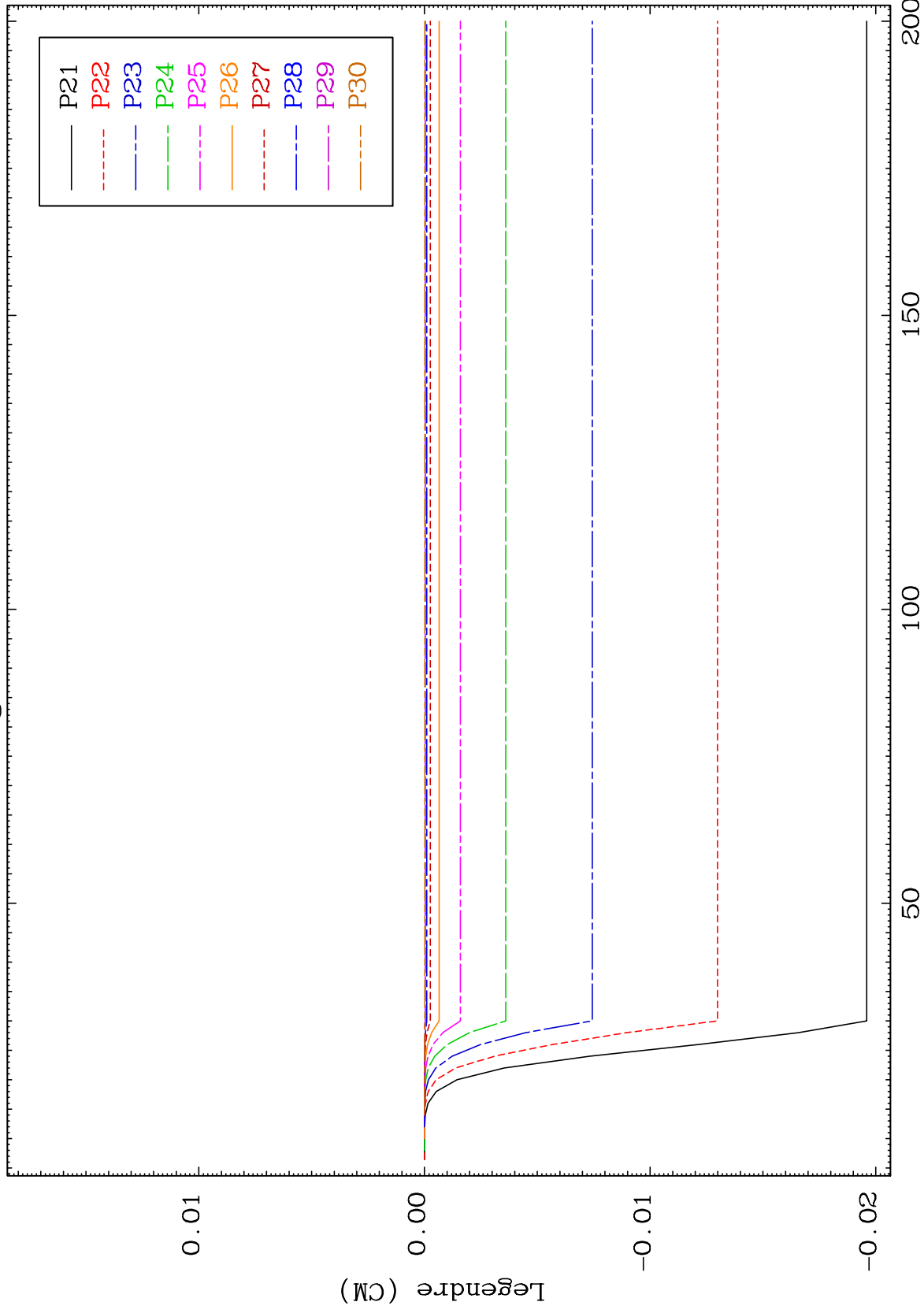
Incident Energy (MeV)

81-T1-196

MAT 8104

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

81-T1-196



27

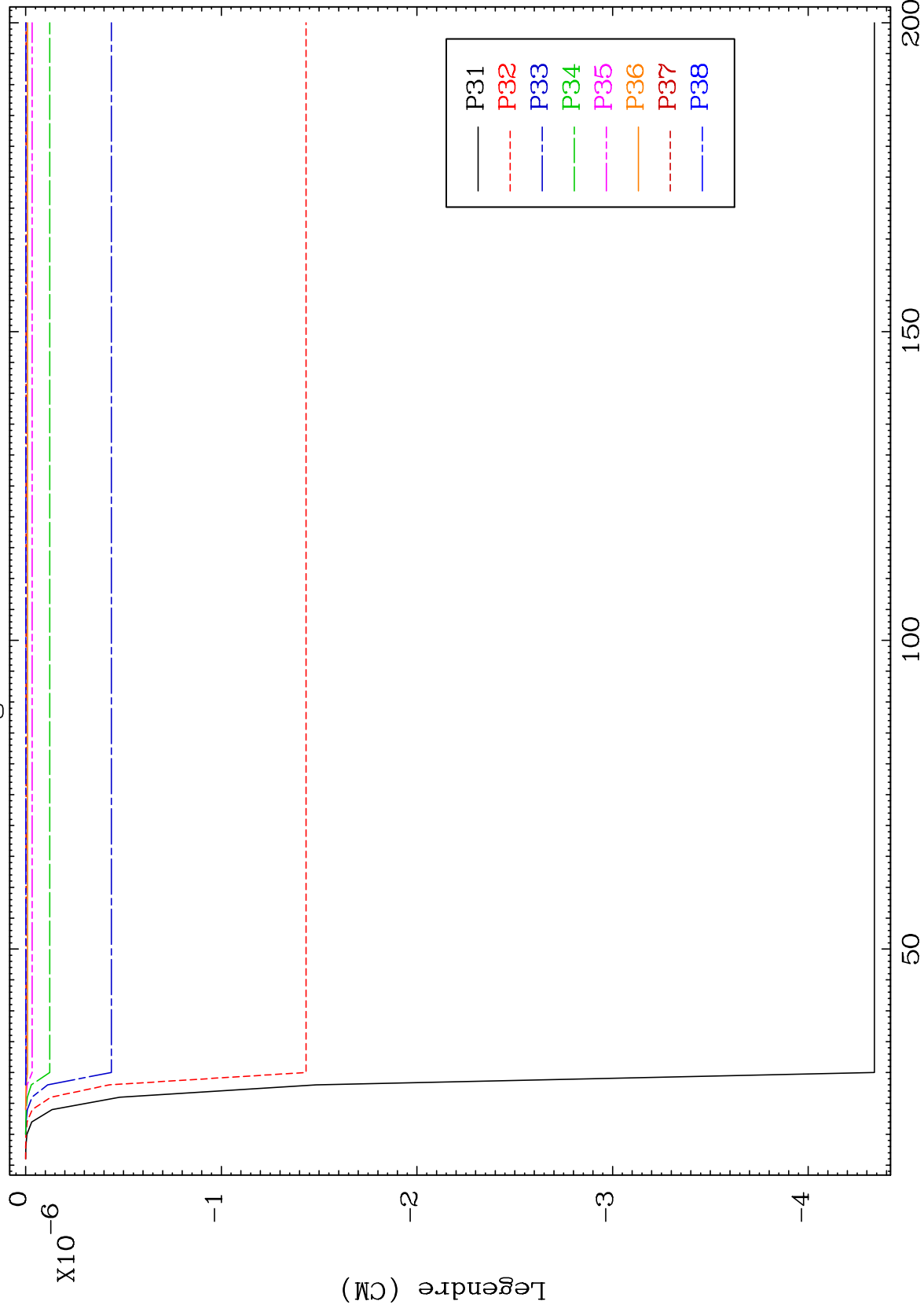
Incident Energy (MeV)

81-T1-196

MAT 8104

81-Tl-196

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



28

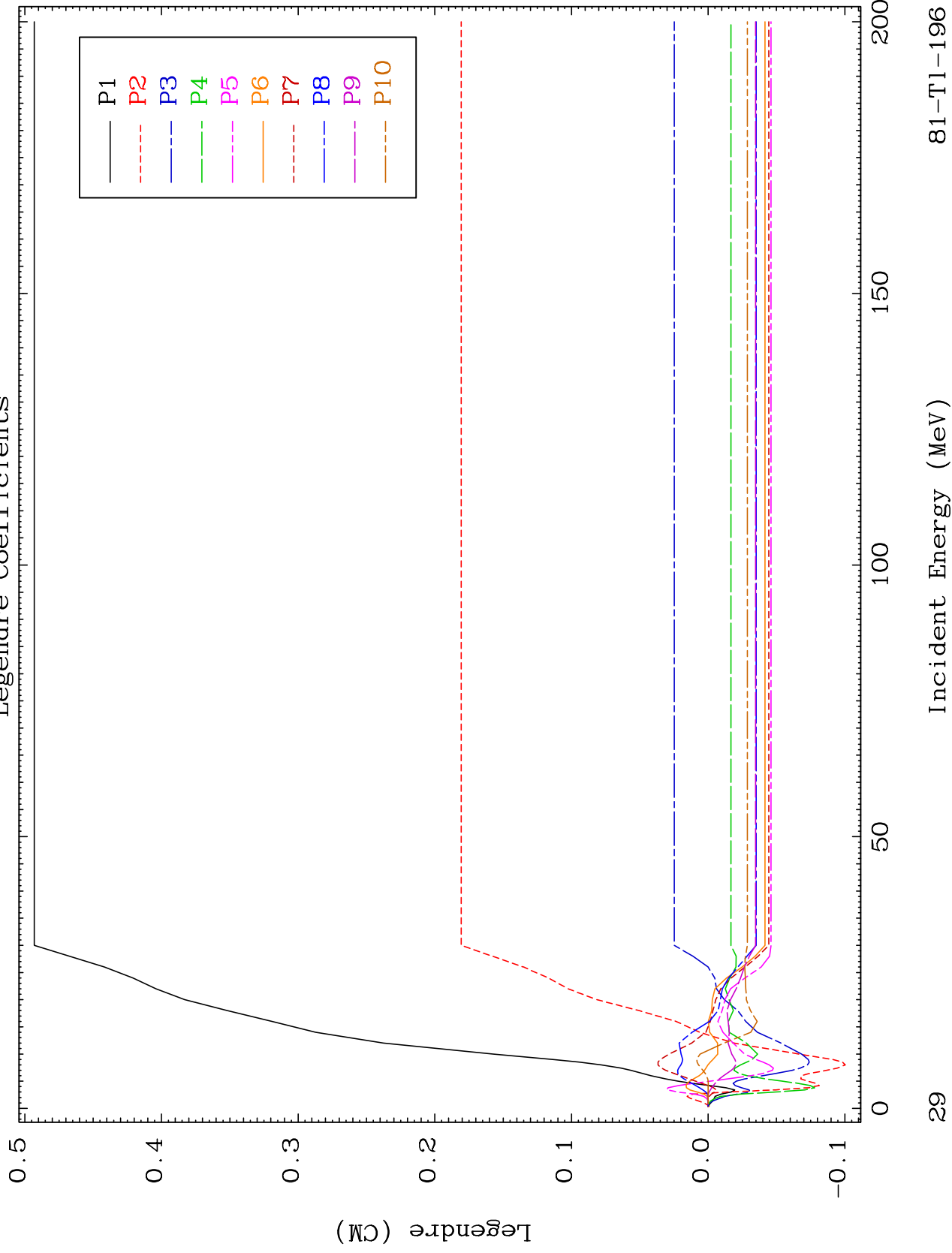
Incident Energy (MeV)

81-Tl-196

MAT 8104

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

81-T1-196



81-T1-196

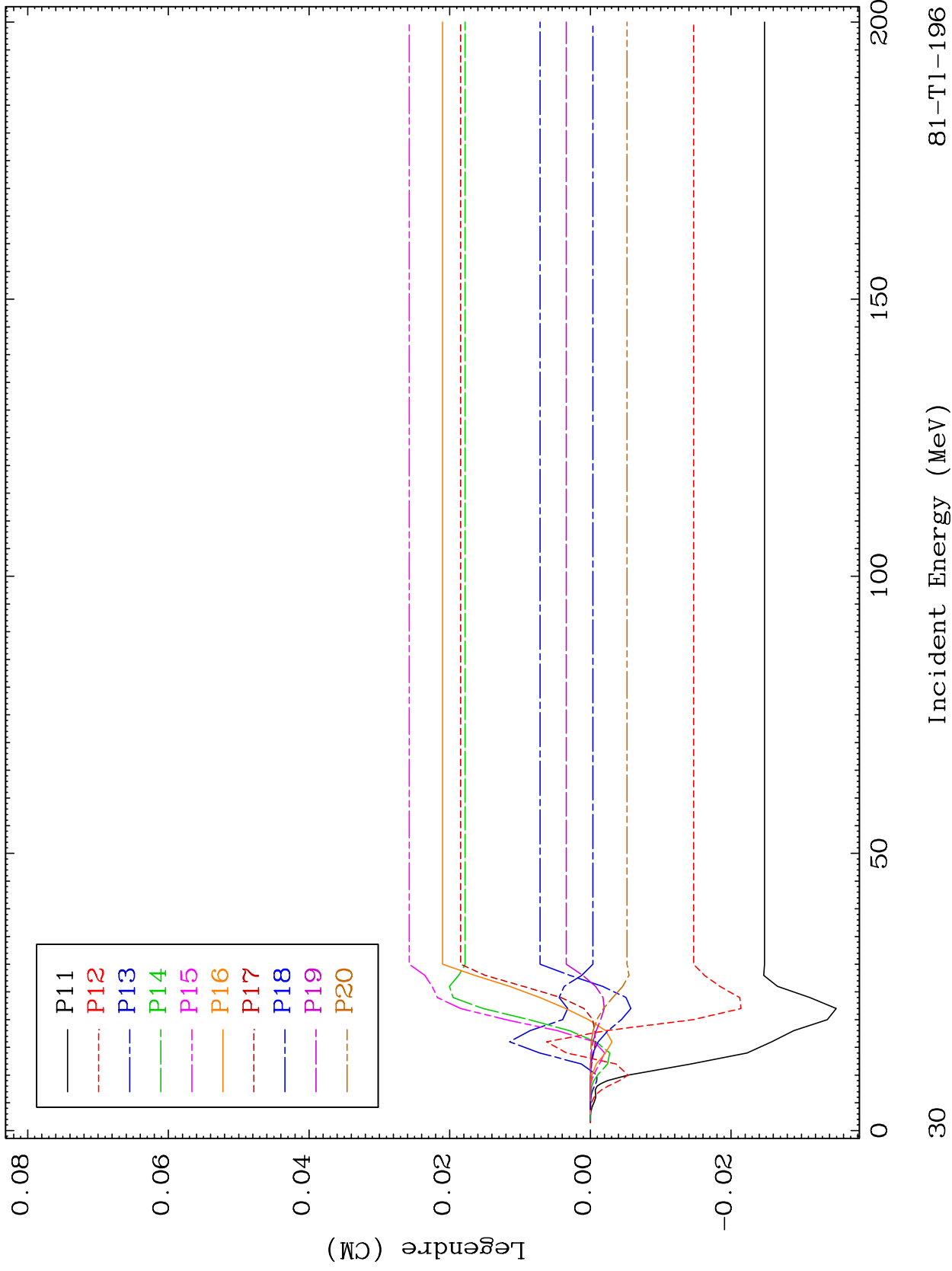
Incident Energy (MeV)

29

MAT 8104

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

81-Tl-196

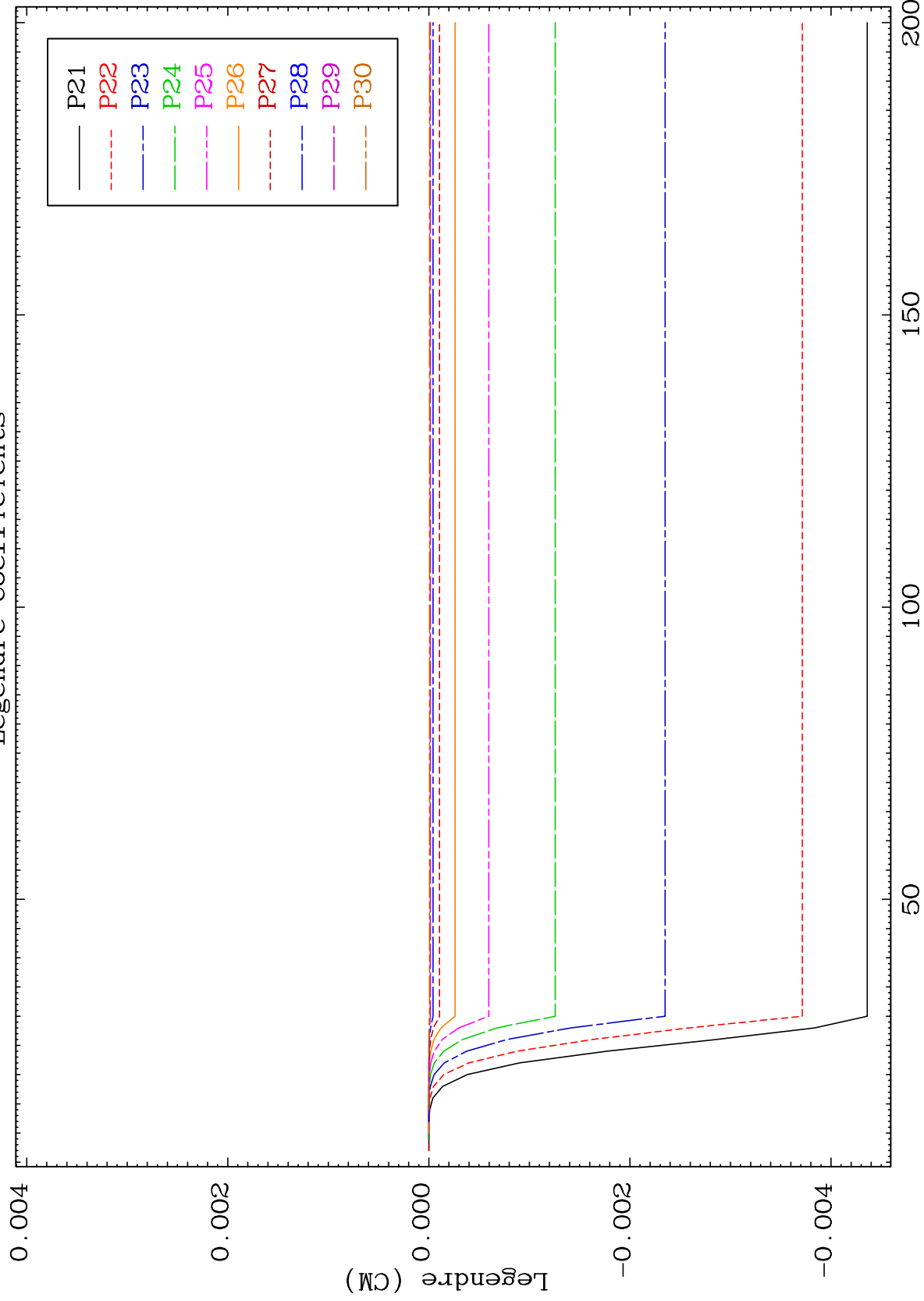


81-Tl-196

MAT 8104

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

81-T1-196

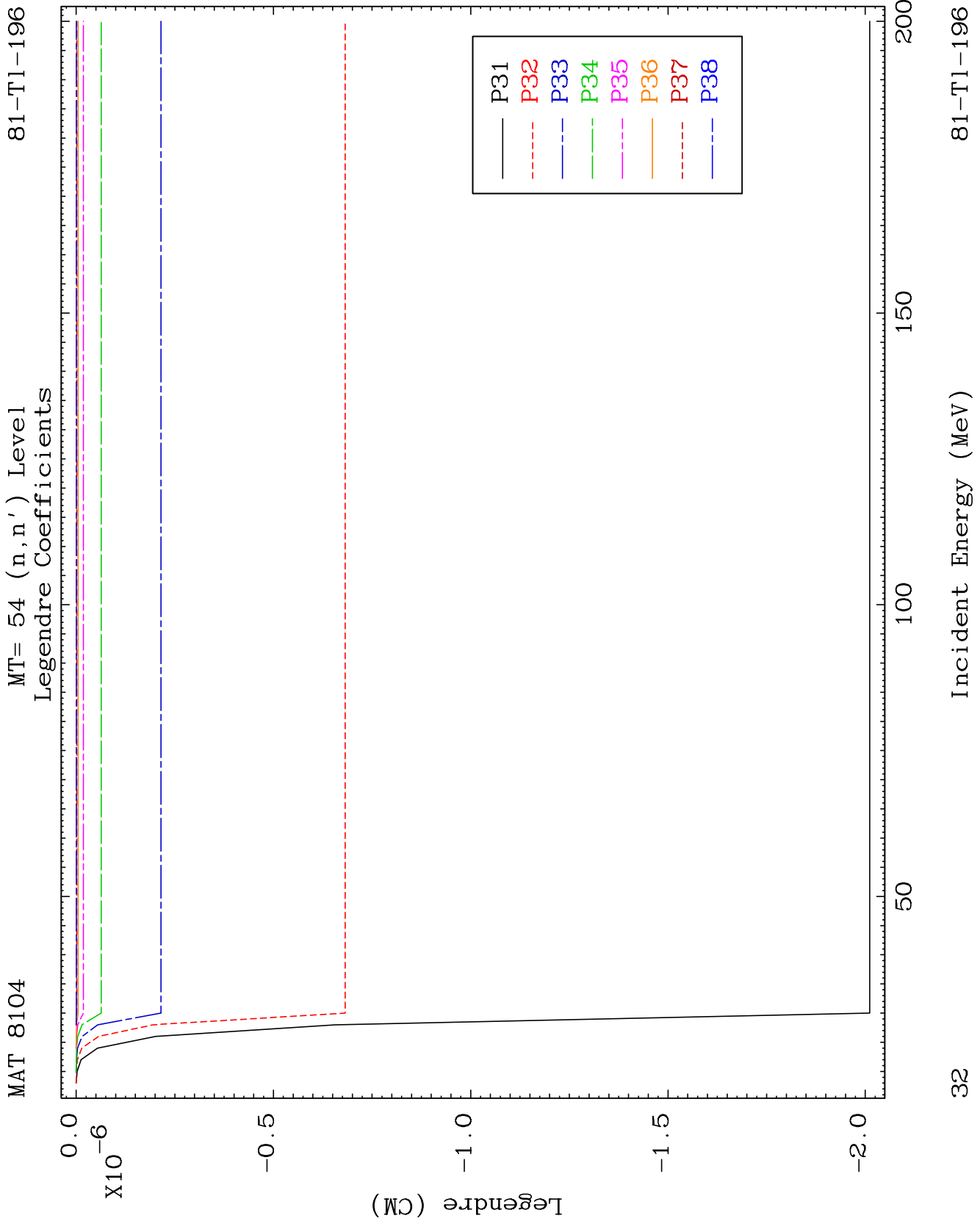


31

Incident Energy (MeV)

81-T1-196

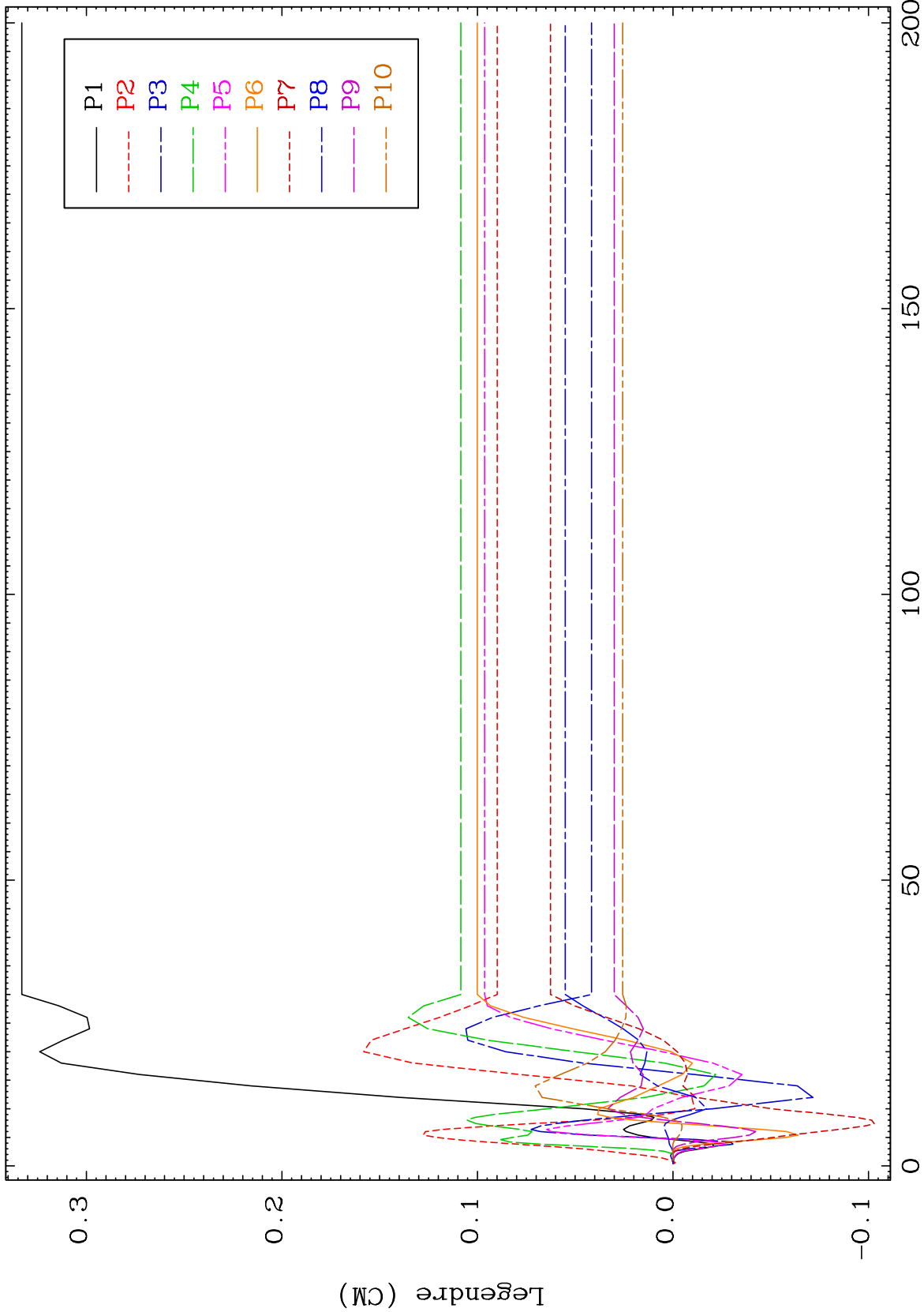




MAT 8104

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

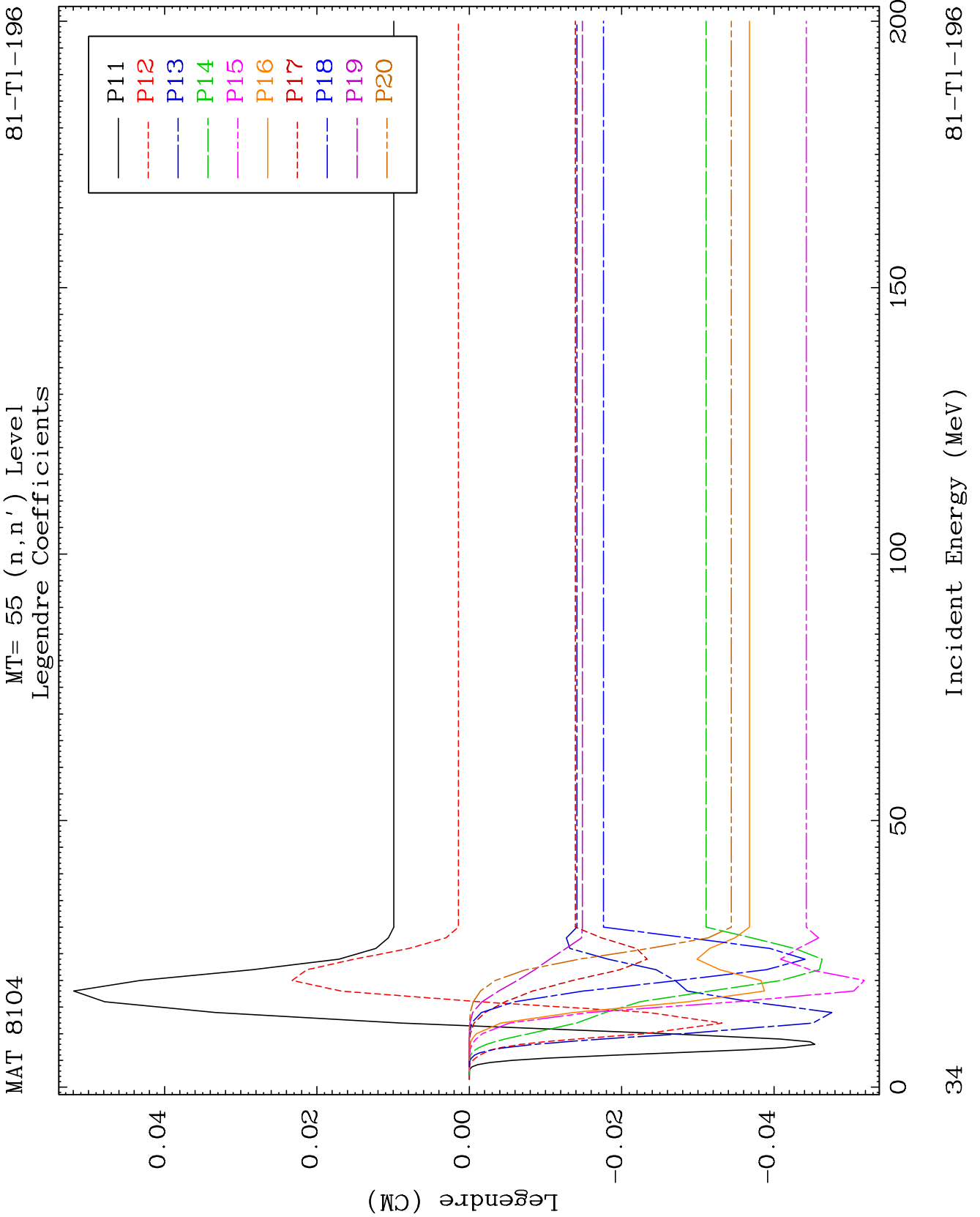
81-Tl-196



33

Incident Energy (MeV)

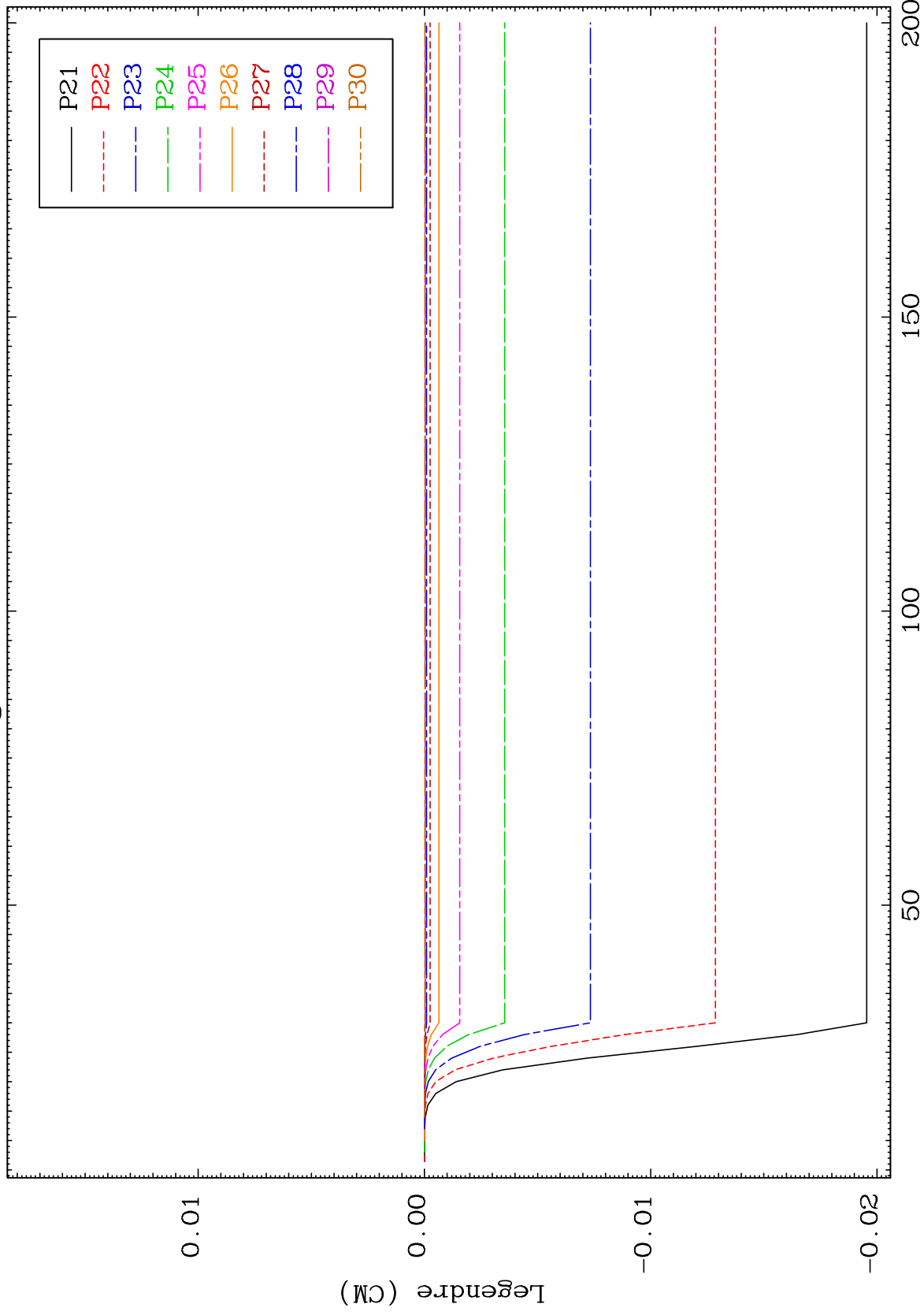
81-Tl-196



MAT 8104

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

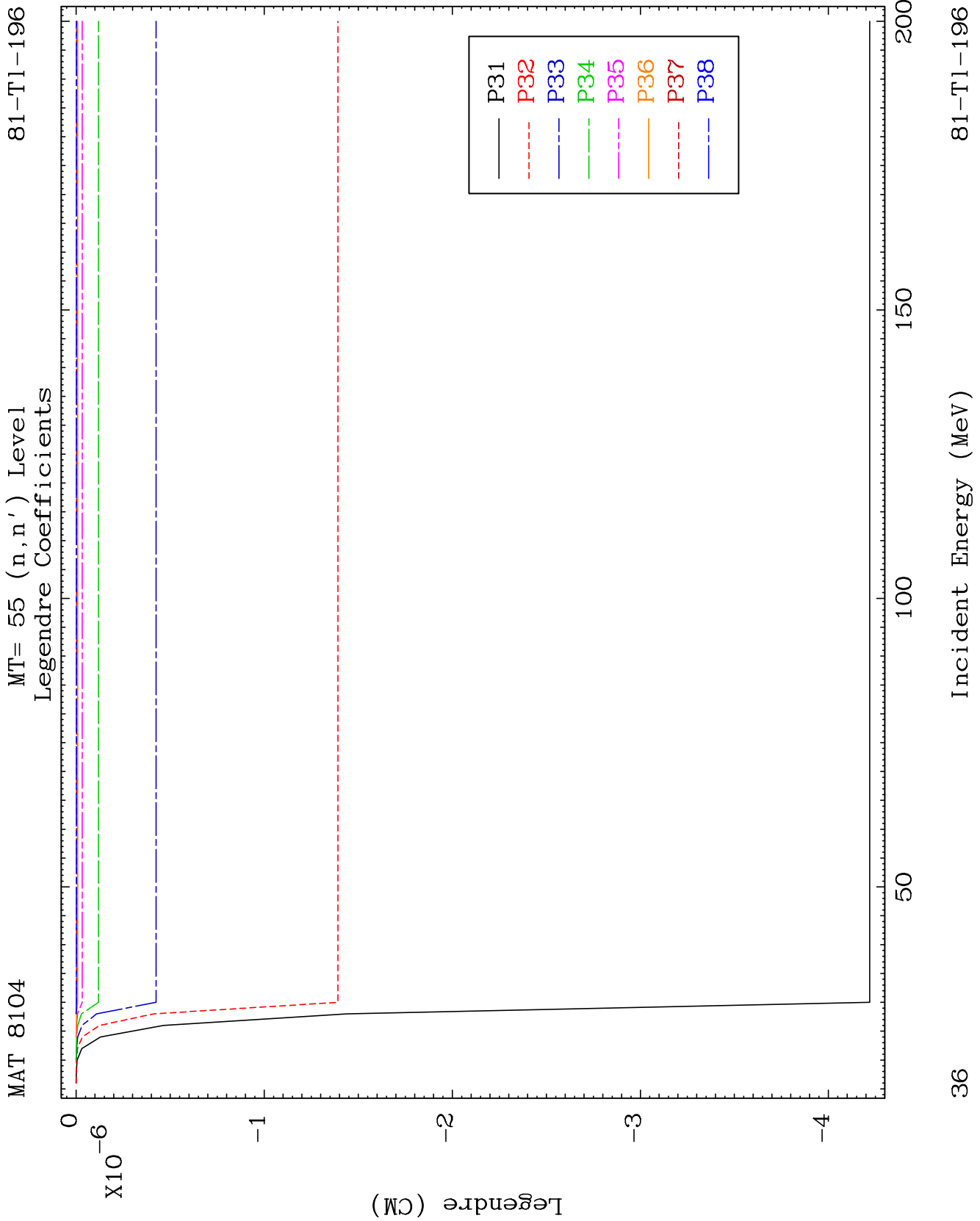
81-T1-196



35

Incident Energy (MeV)

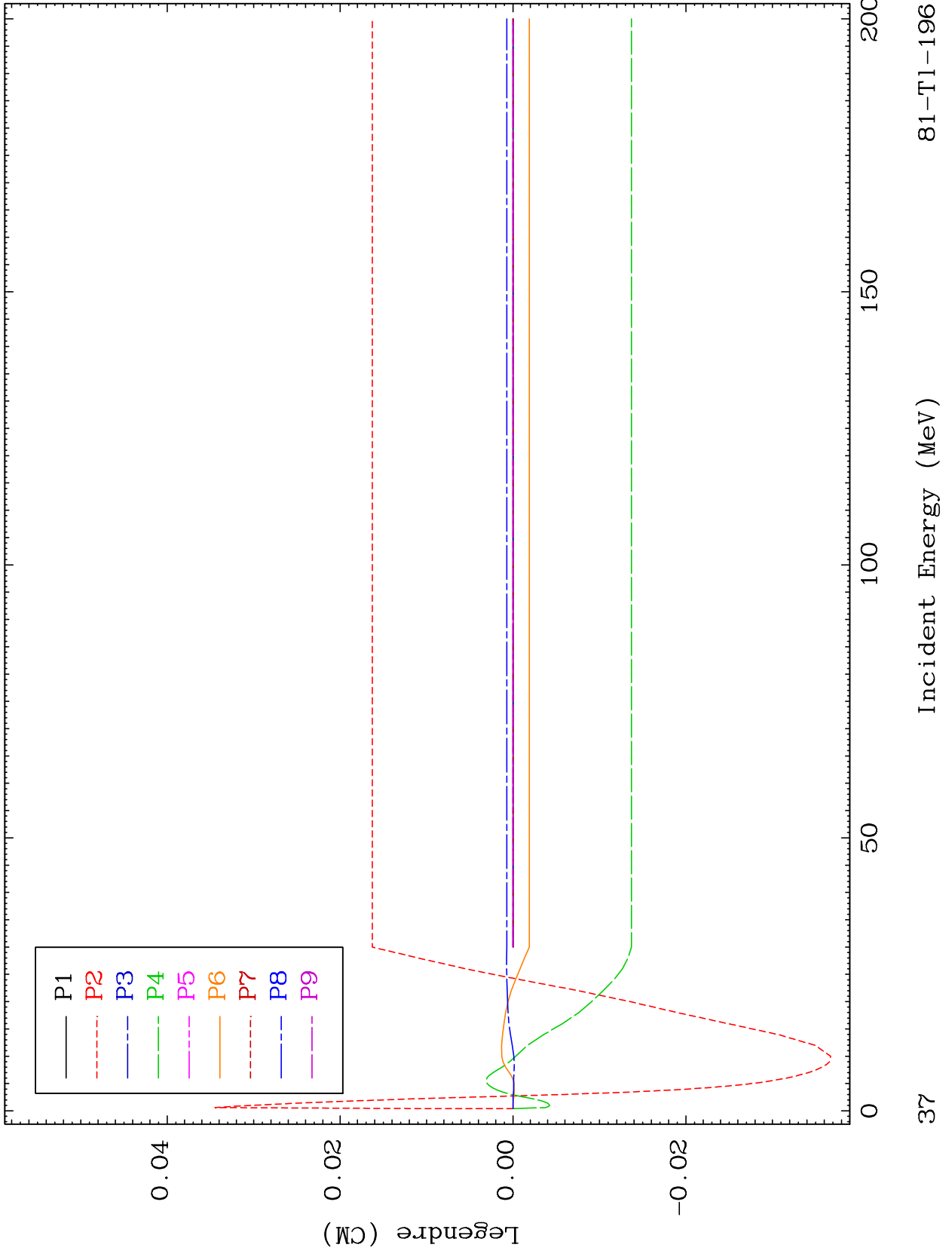
81-T1-196



MAT 8104

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

81-T1-196



81-T1-196

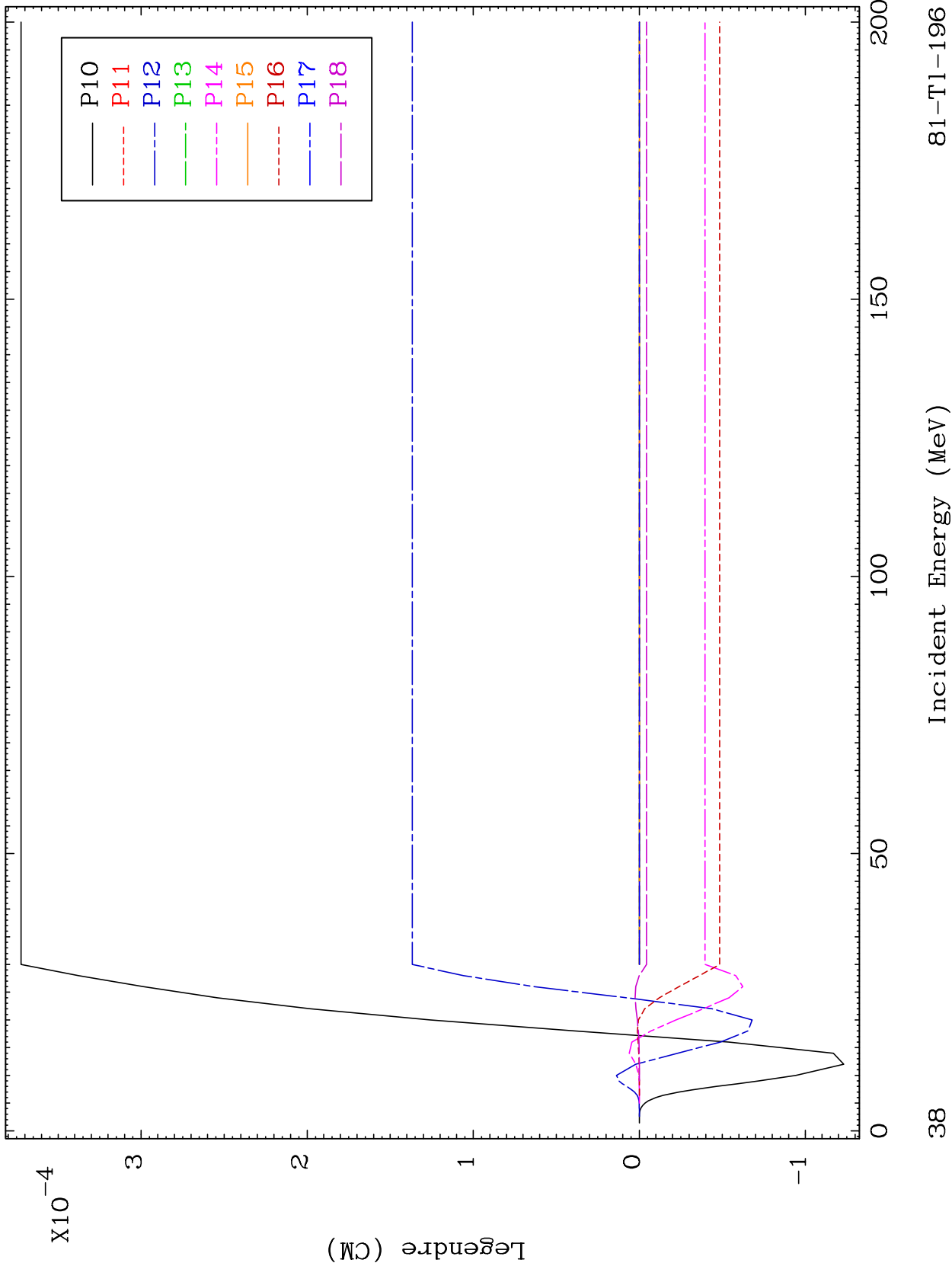
Incident Energy (MeV)

37

MAT 8104

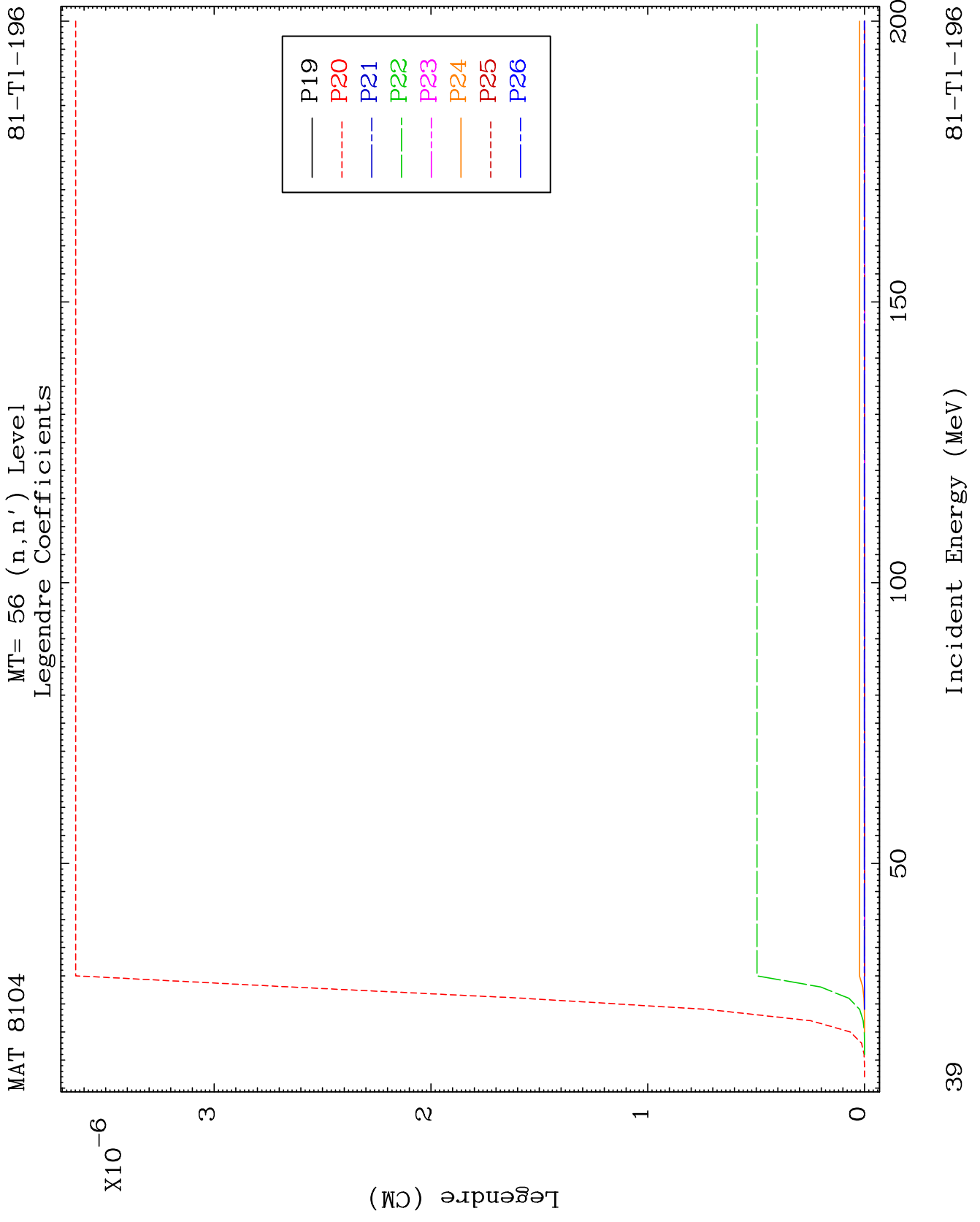
MT= 56 (n,n') Level  
Legendre Coefficients

81-T1-196



38

81-T1-196

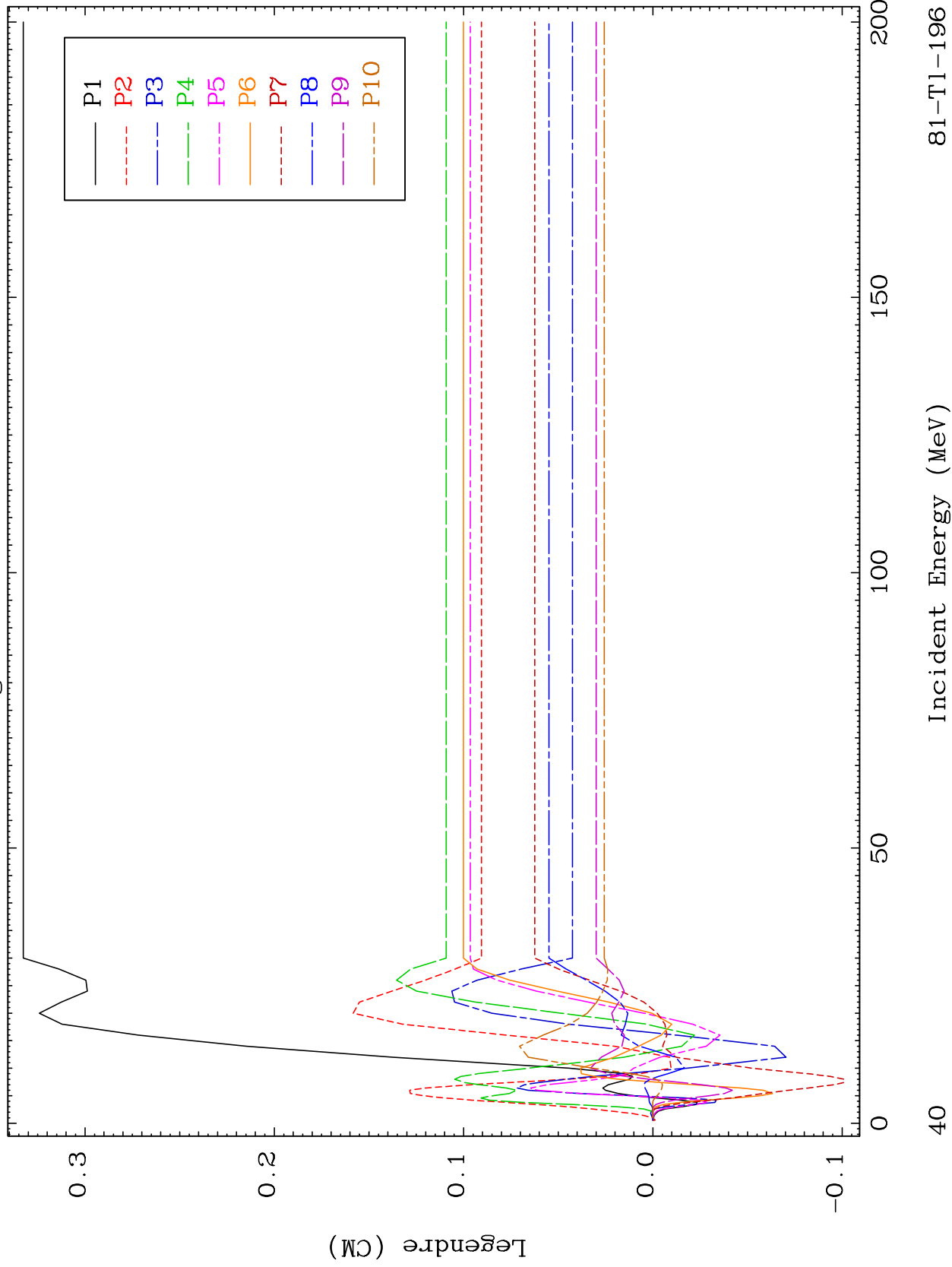




MAT 8104

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

81-Tl-196

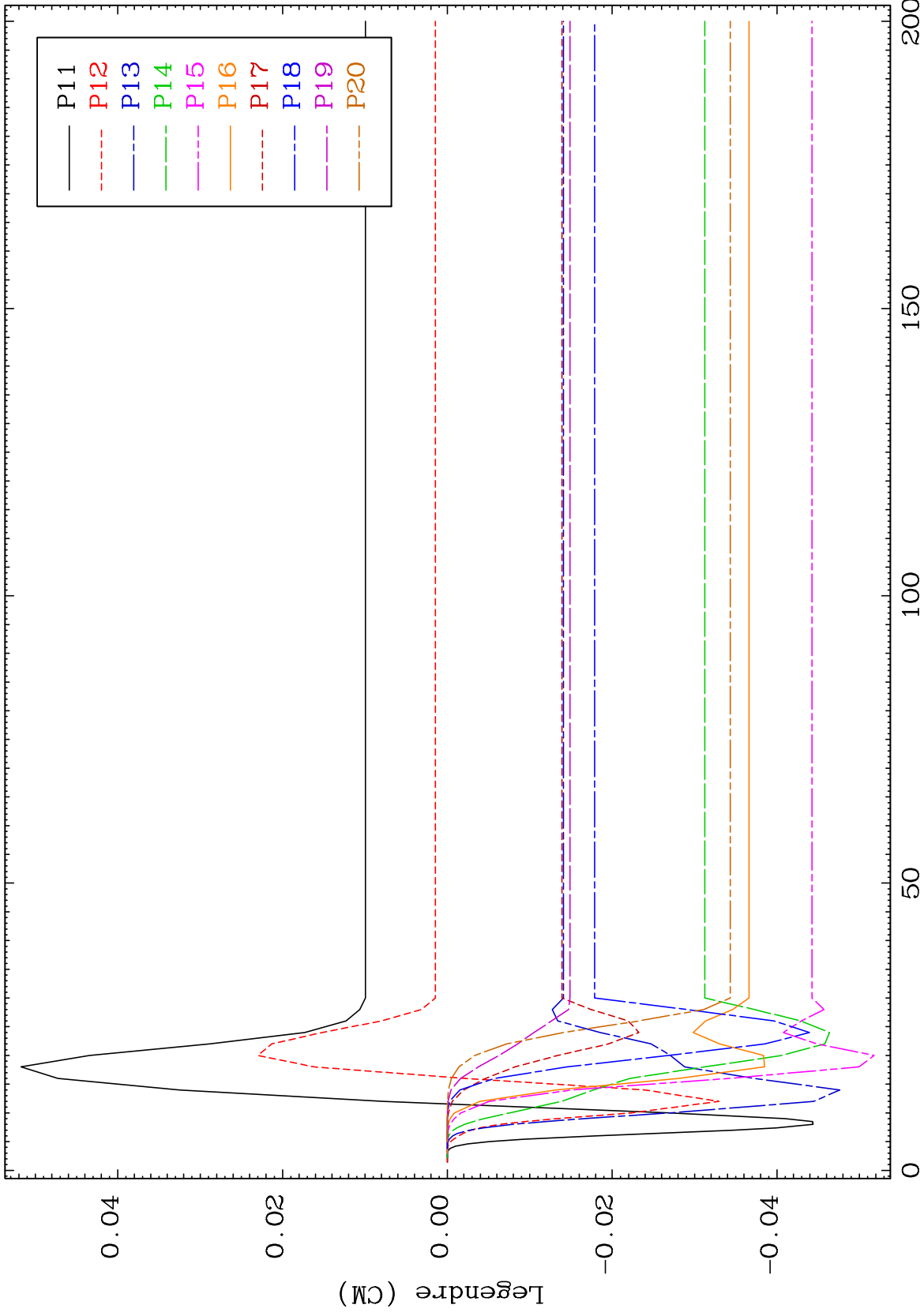


81-Tl-196

MAT 8104

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

81-T1-196



41

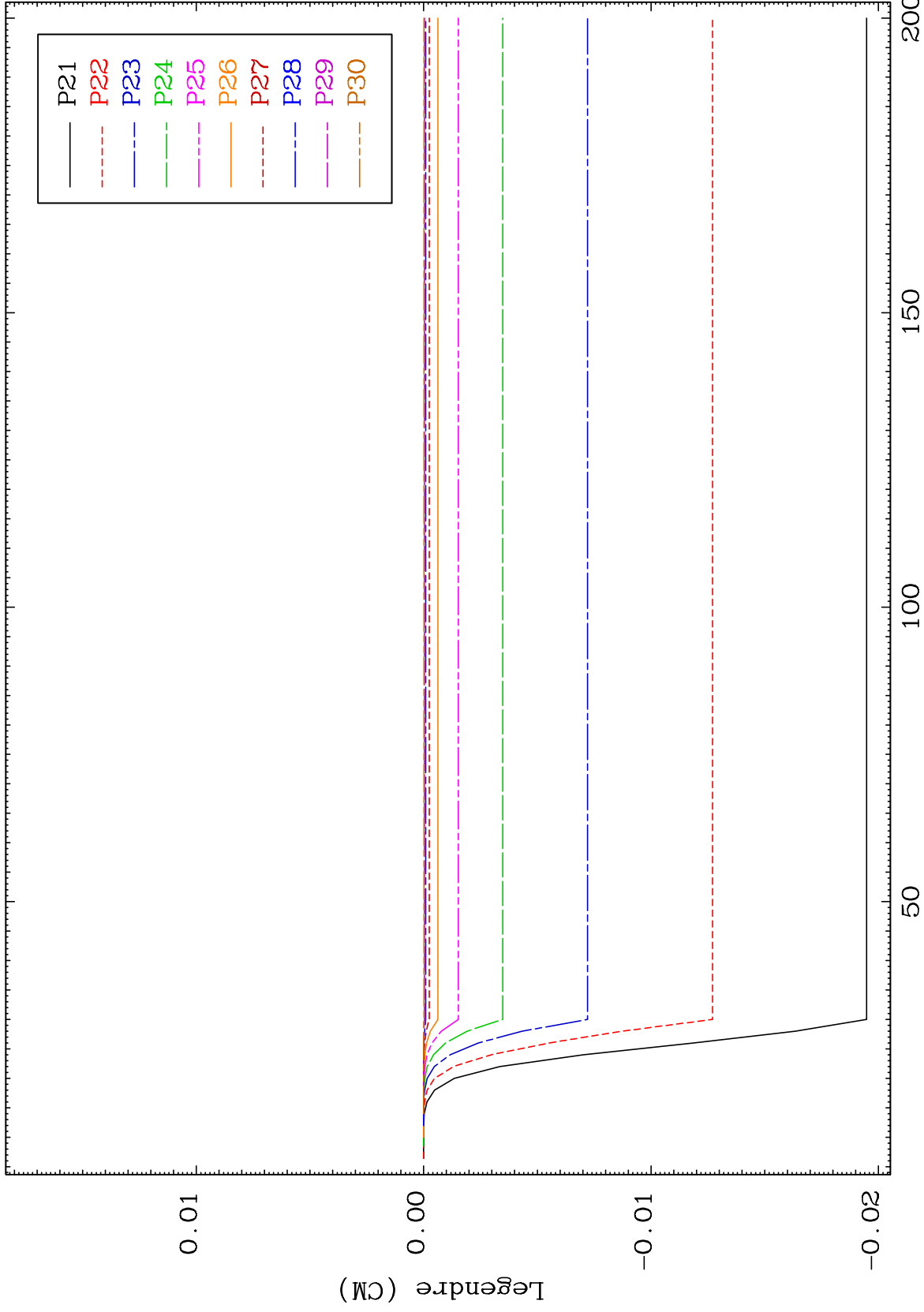
Incident Energy (MeV)

81-T1-196

MAT 8104

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

81-T1-196



42

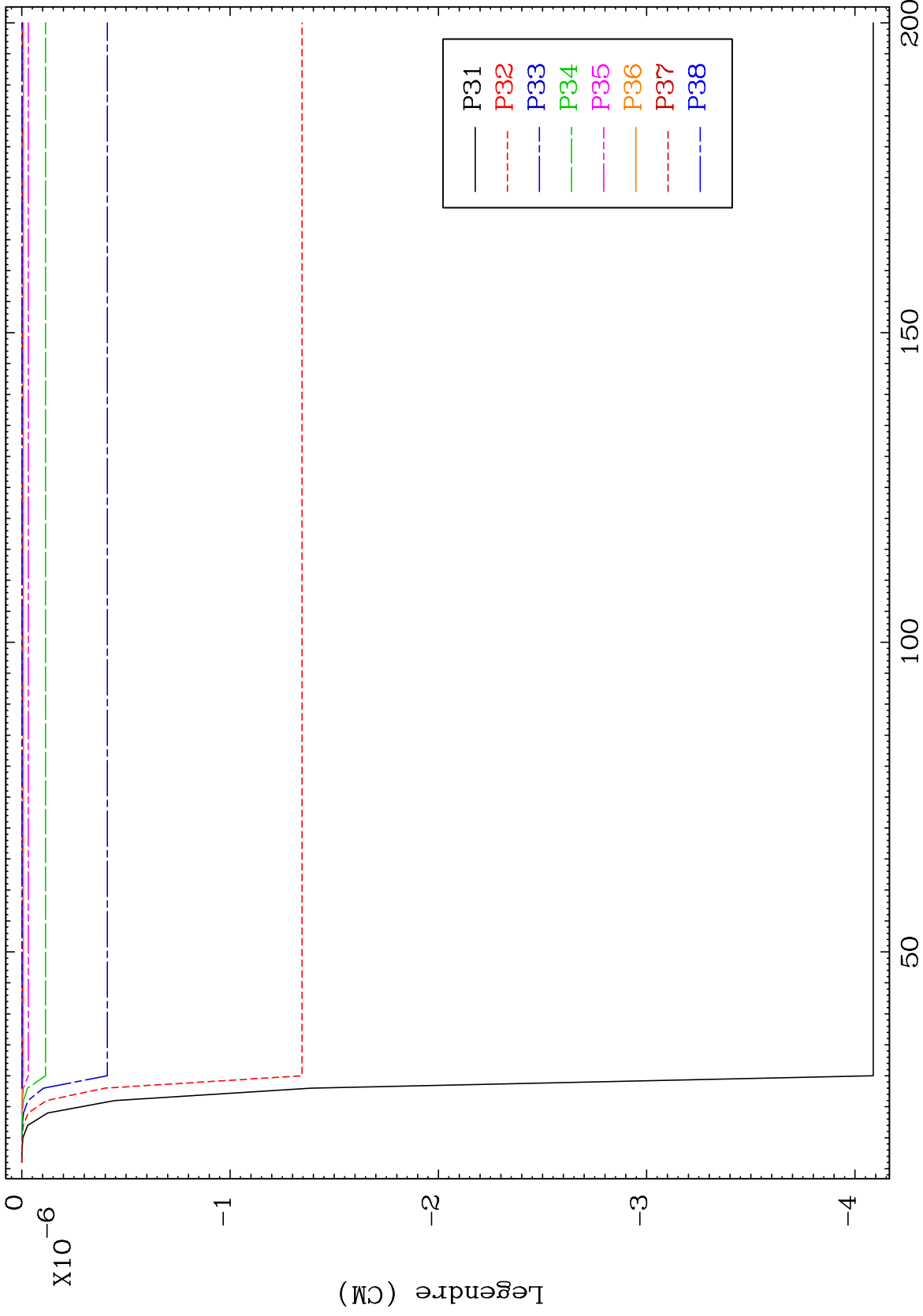
Incident Energy (MeV)

81-T1-196

MAT 8104

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

81-T1-196



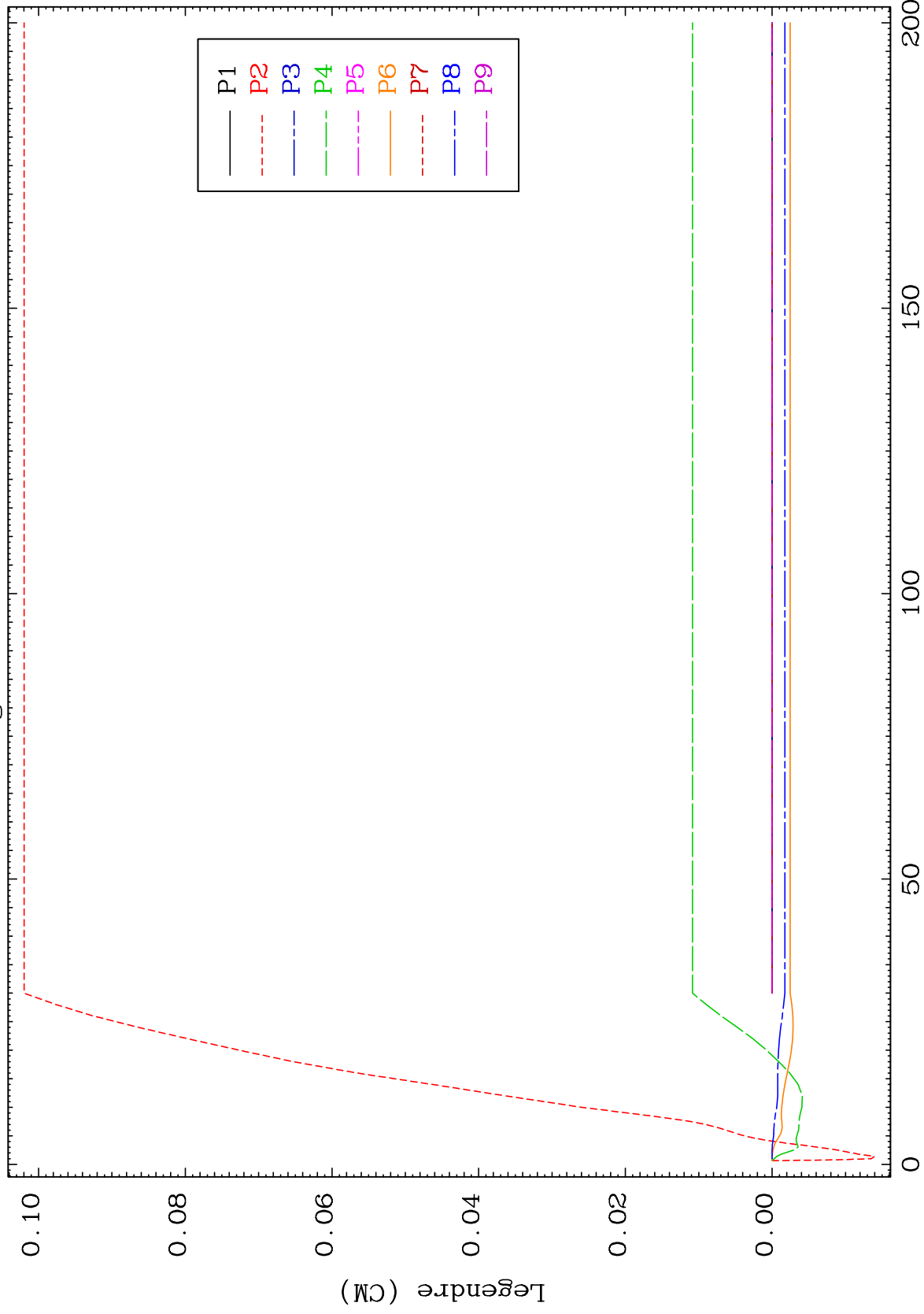
43

81-T1-196

MAT 8104

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

81-T1-196



44

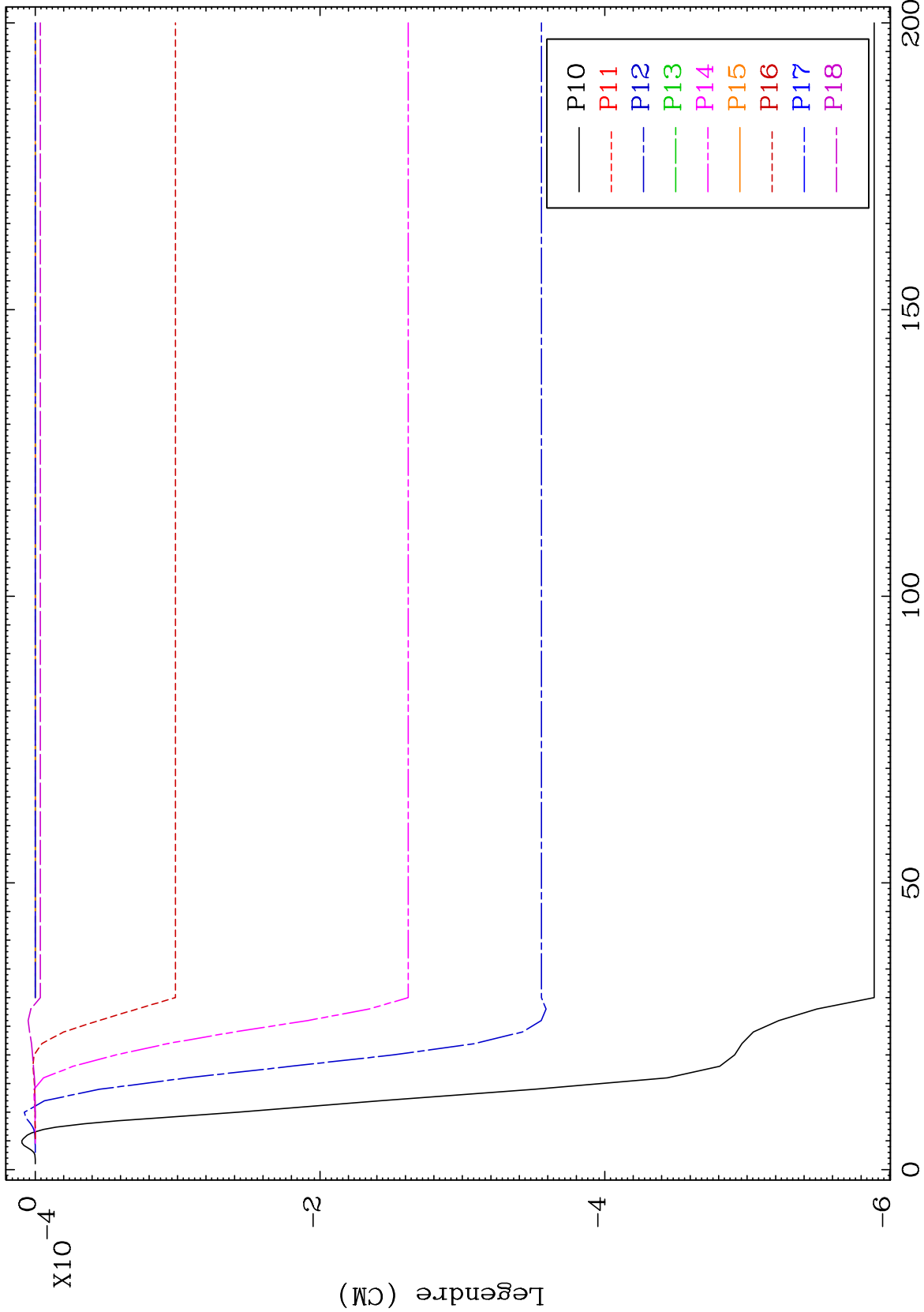
Incident Energy (MeV)

81-T1-196

MAT 8104

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

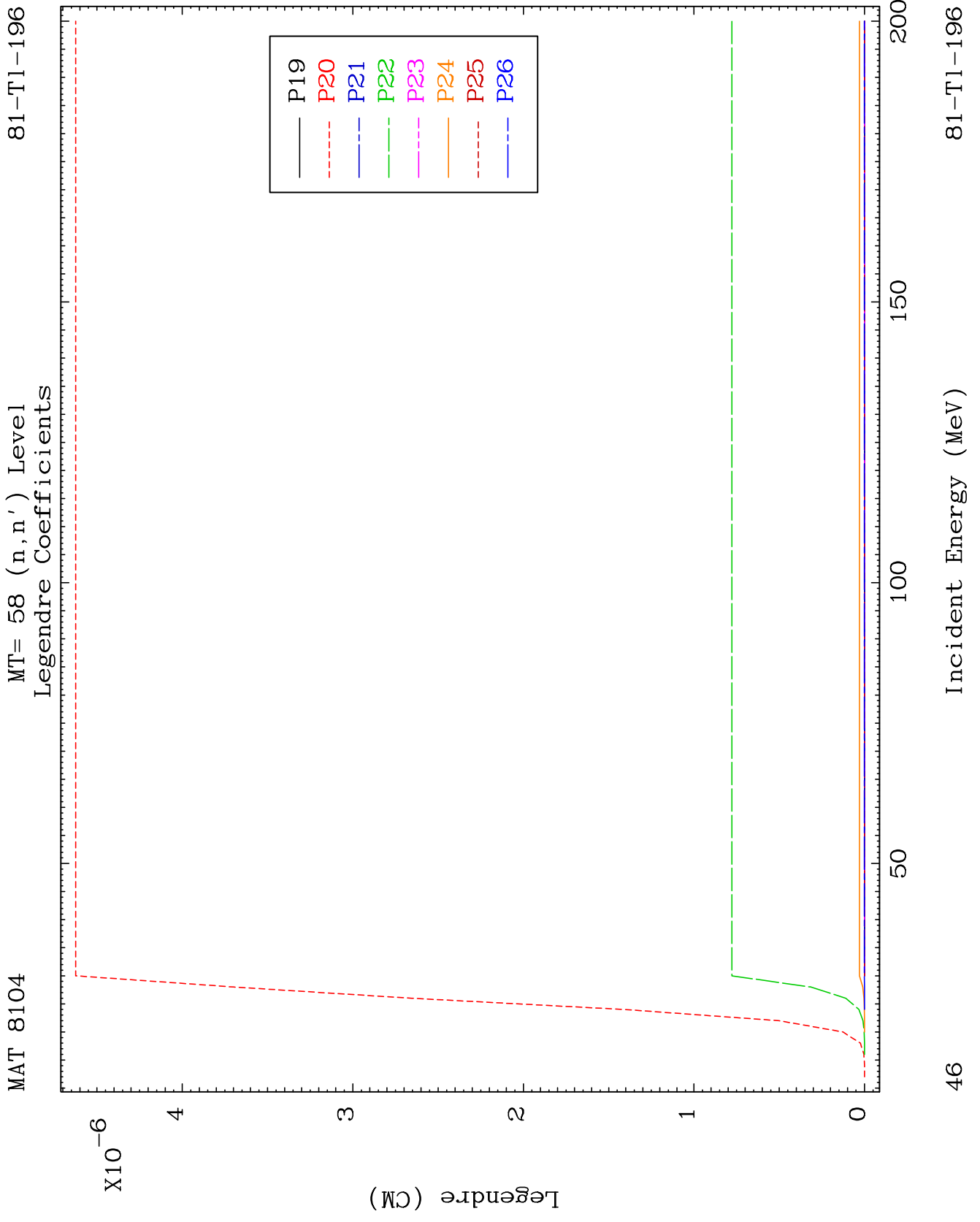
81-T1-196



45

Incident Energy (MeV)

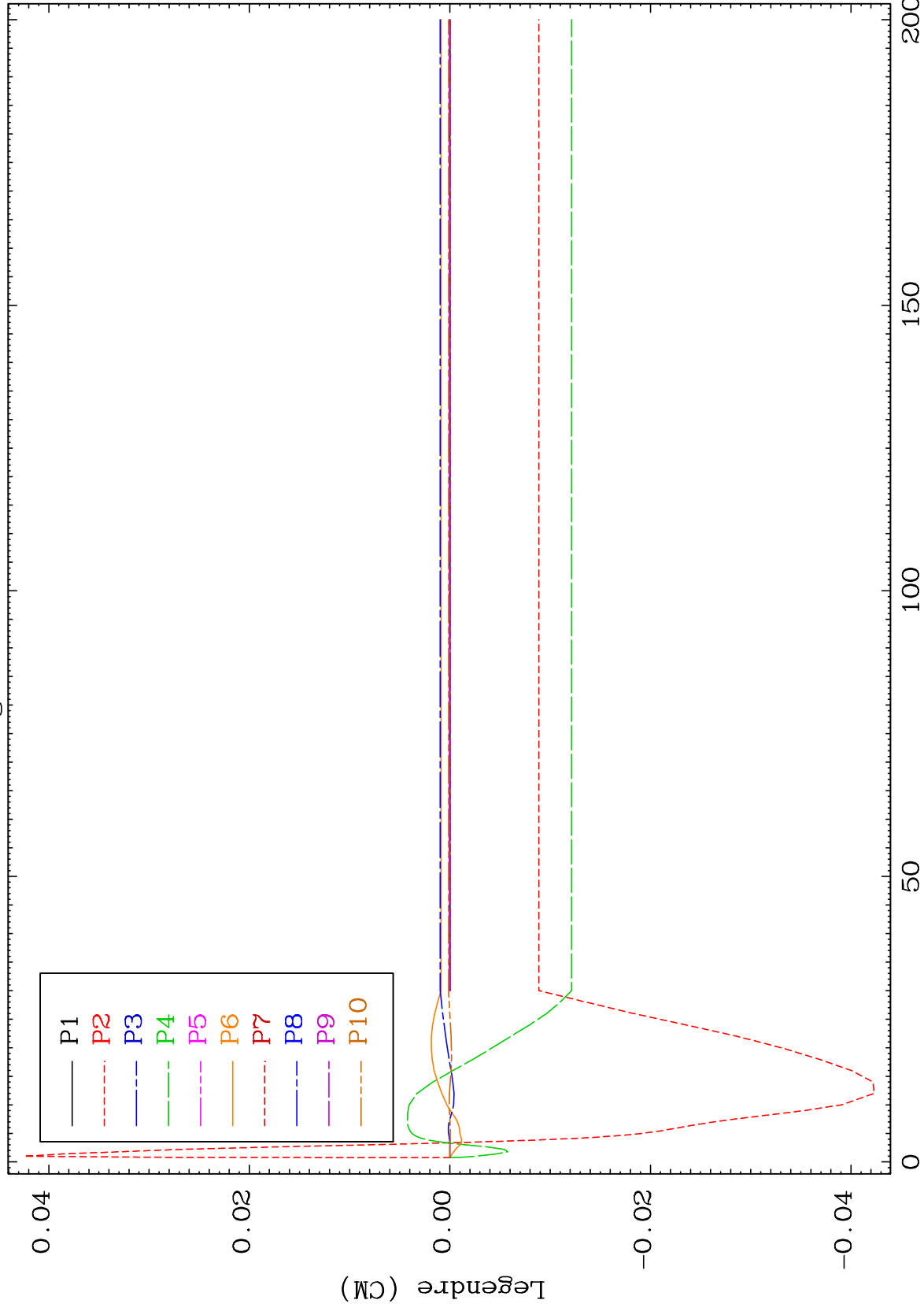
81-T1-196



MAT 8104

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

81-T1-196



47

81-T1-196

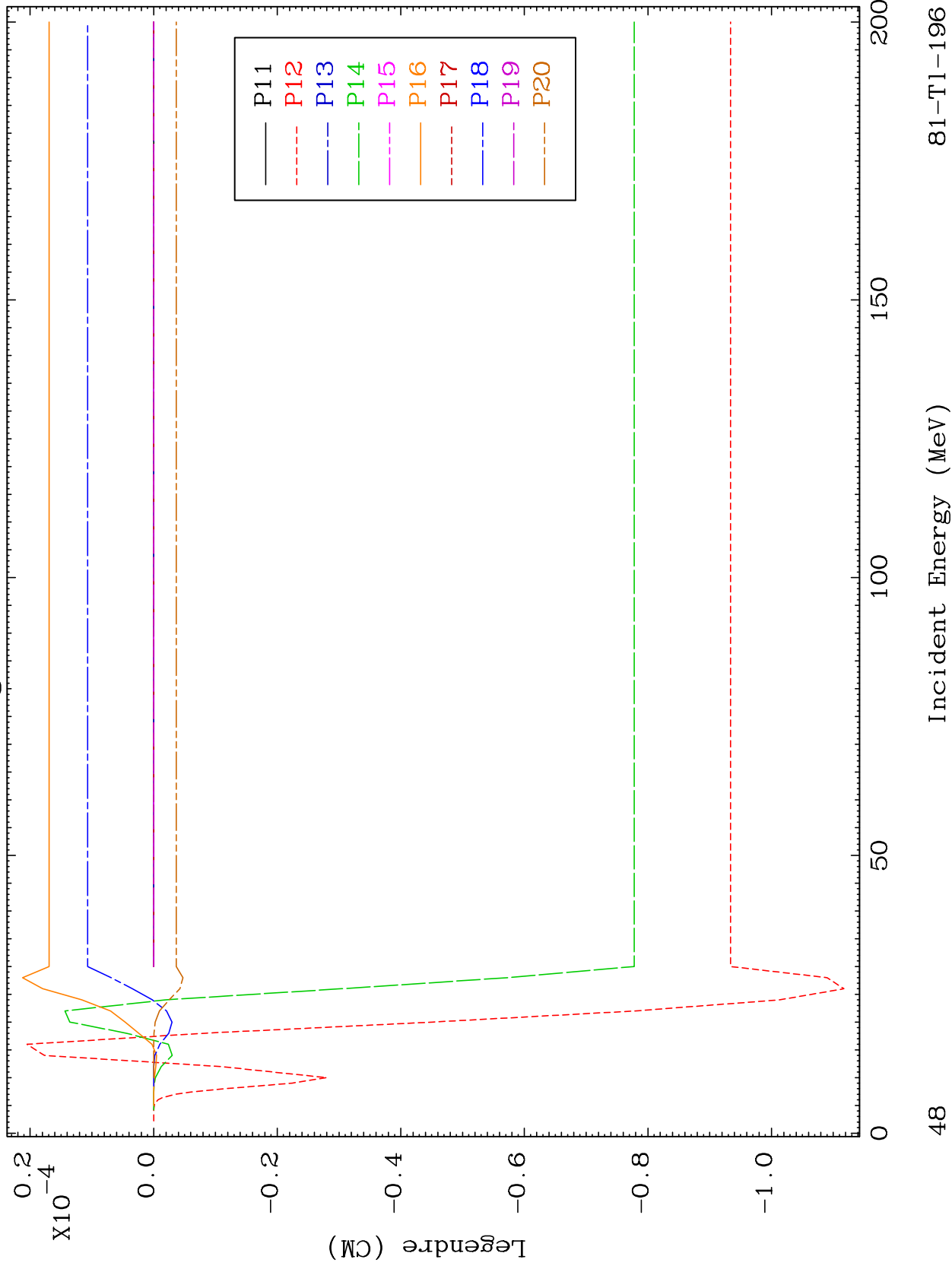


MAT 8104

MT= 59 (n,n') Level

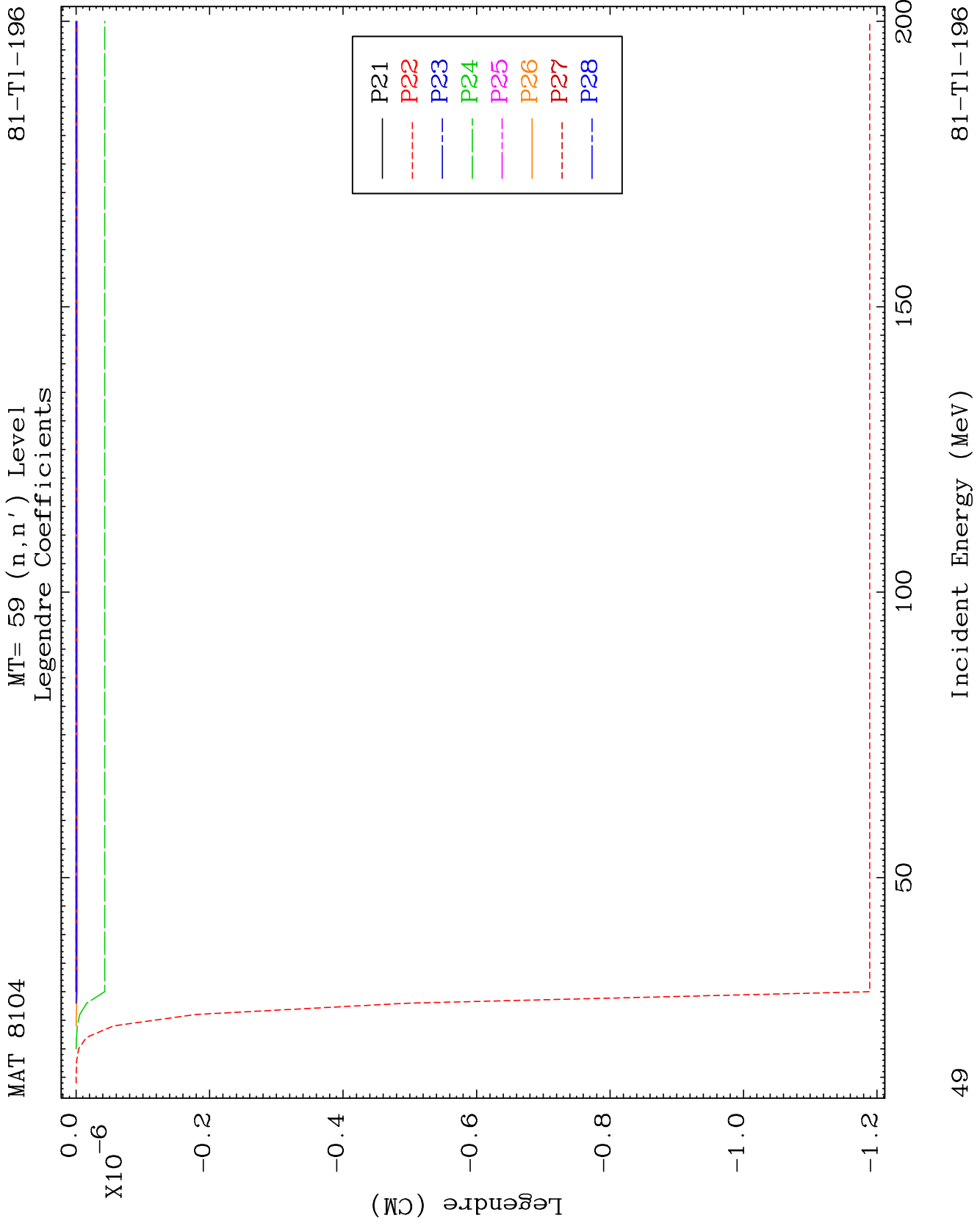
81-Tl-196

Legendre Coefficients



48

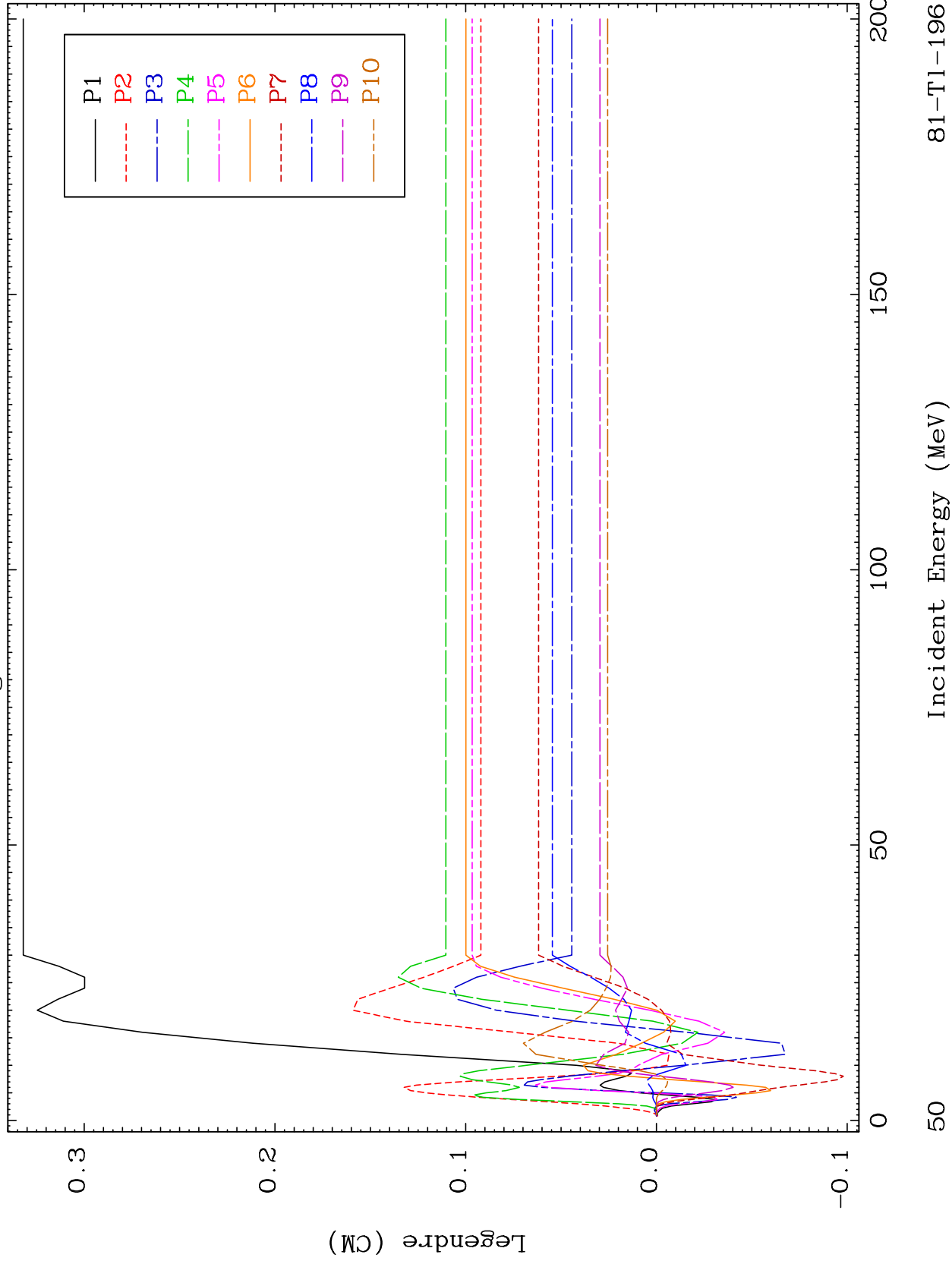
81-Tl-196



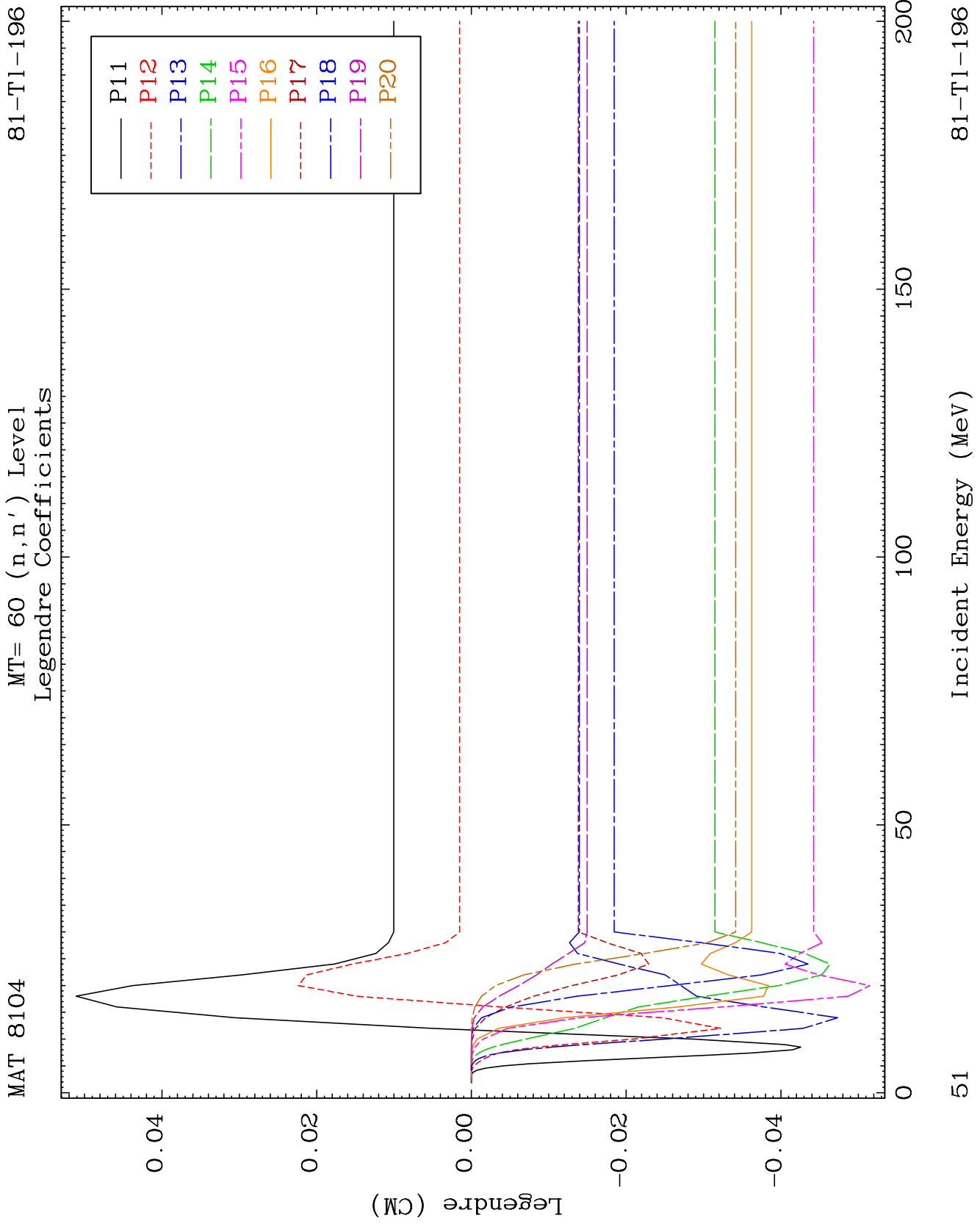
MAT 8104

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

81-Tl-196



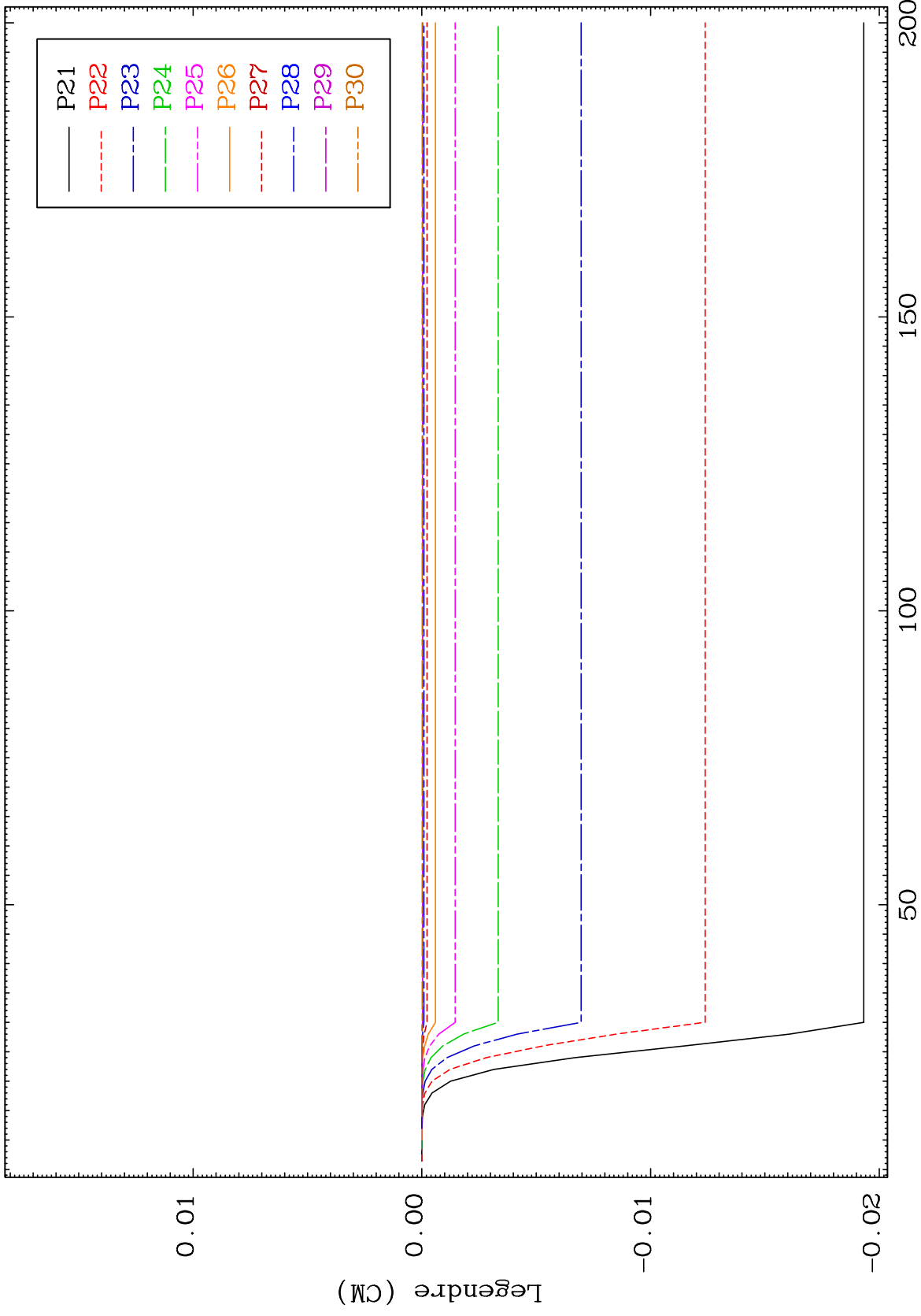
81-Tl-196



MAT 8104

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

81-T1-196



52

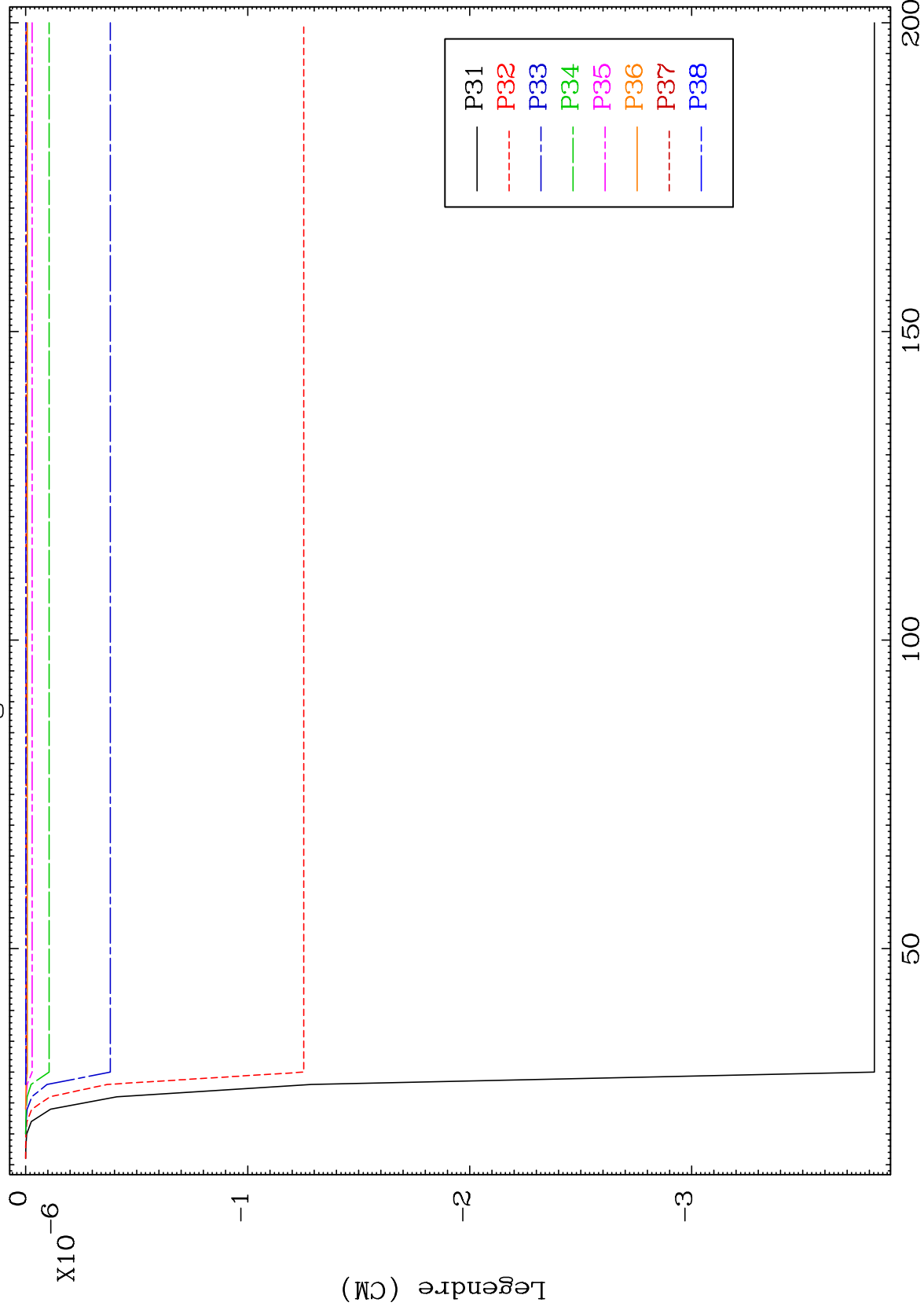
Incident Energy (MeV)

81-T1-196

MAT 8104

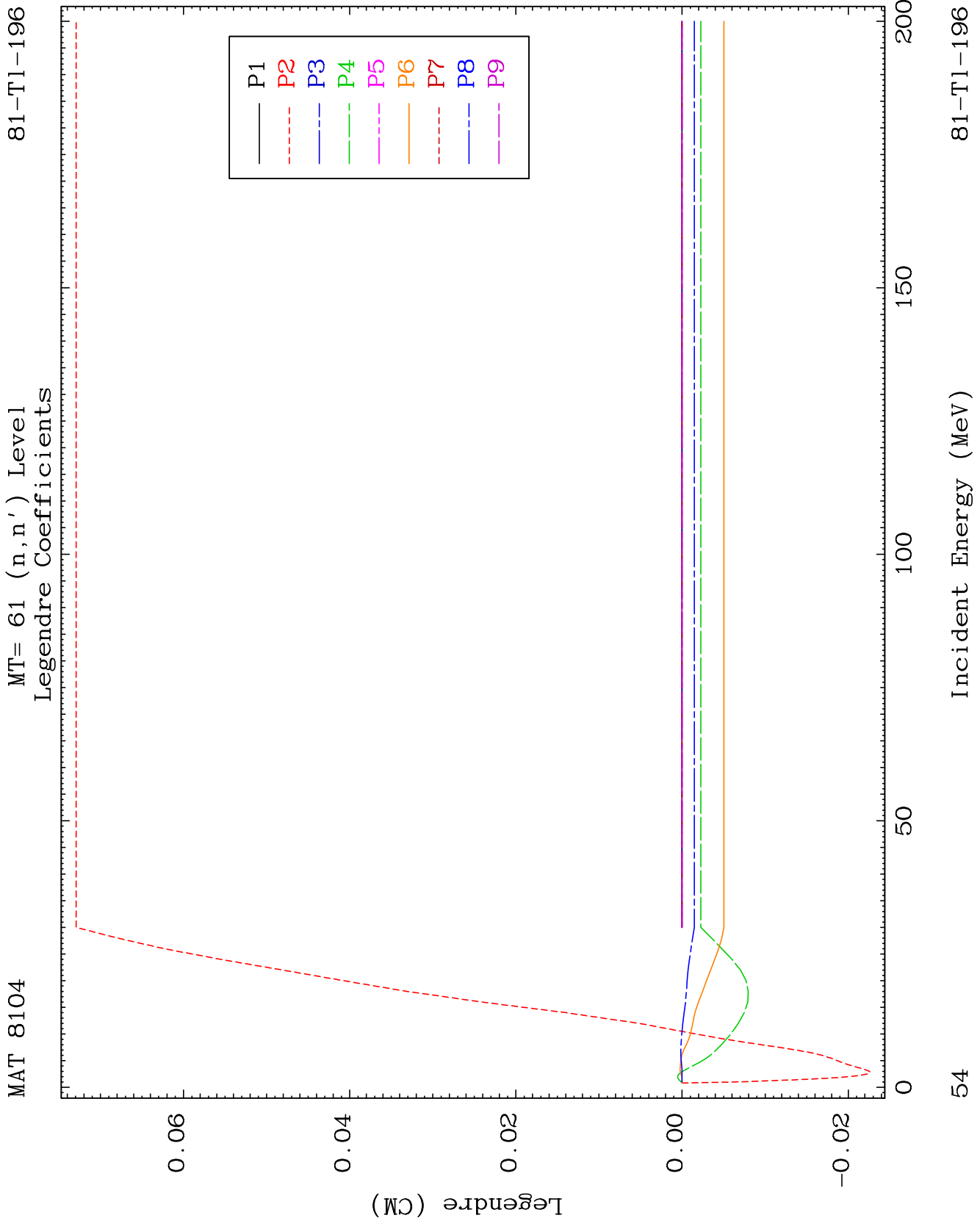
MT= 60 (n,n') Level  
Legendre Coefficients

81-T1-196



53

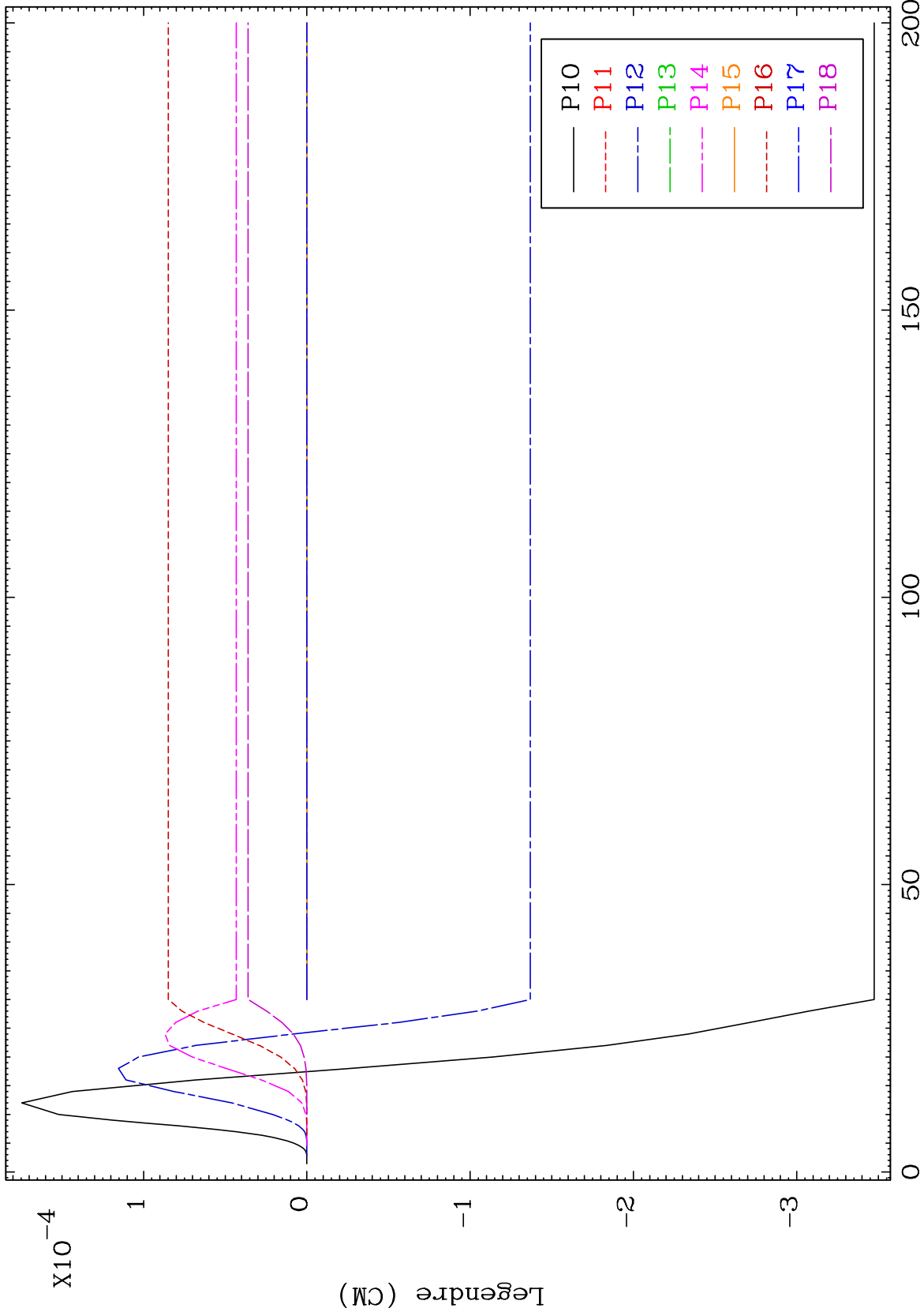
81-T1-196



MAT 8104

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

81-Tl-196

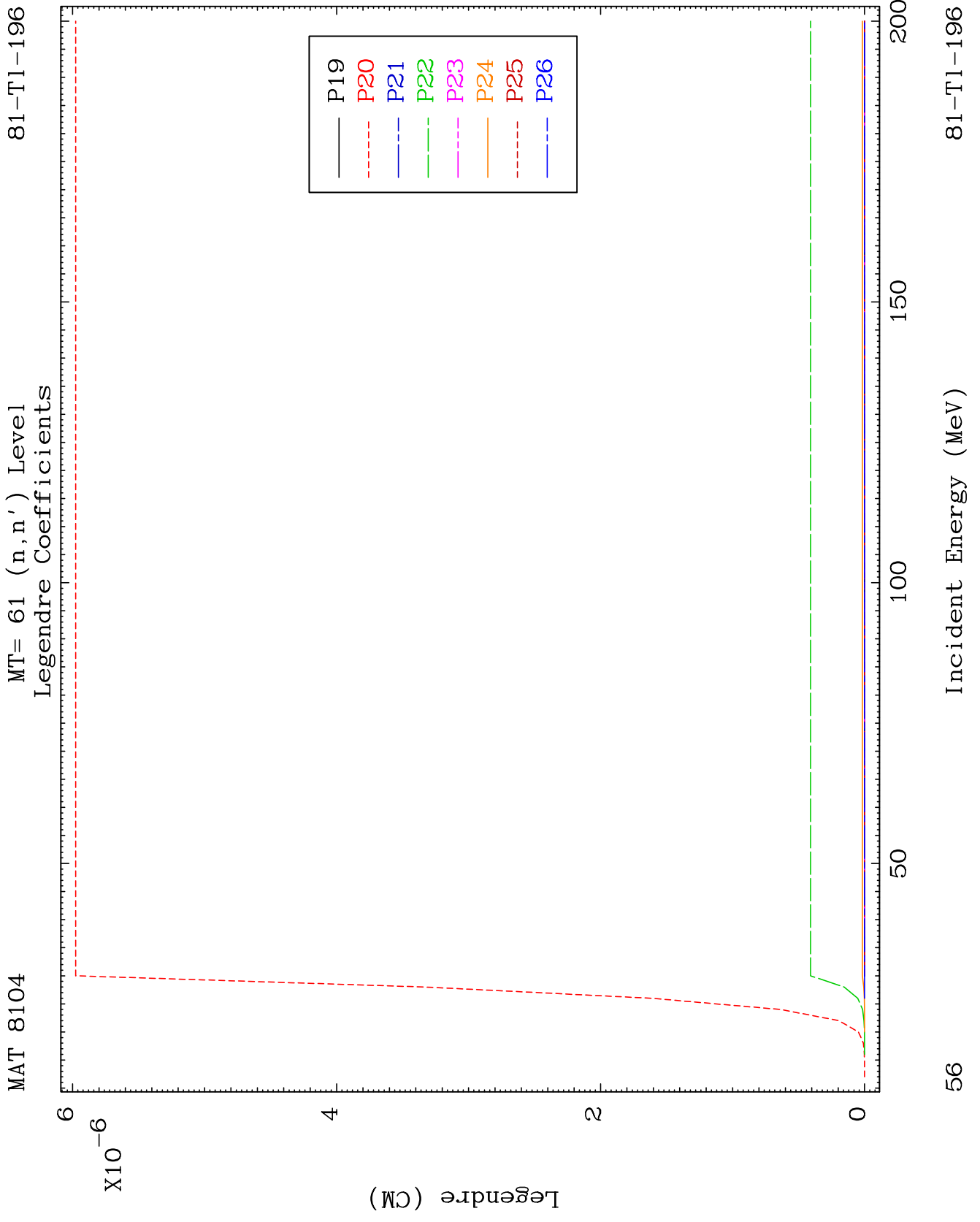


55

Incident Energy (MeV)

81-Tl-196





81-Tl-196

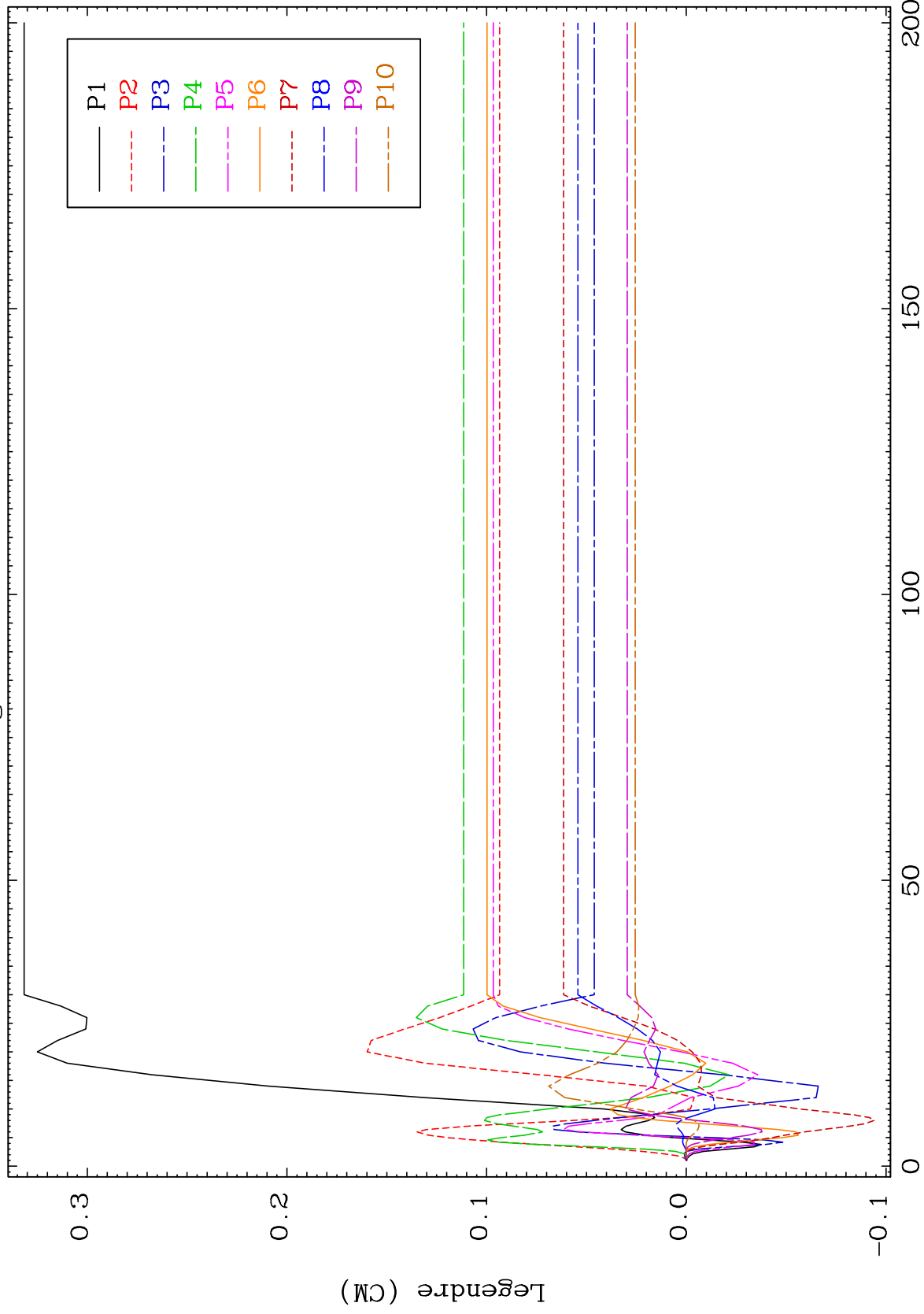
Incident Energy (MeV)

56

MAT 8104

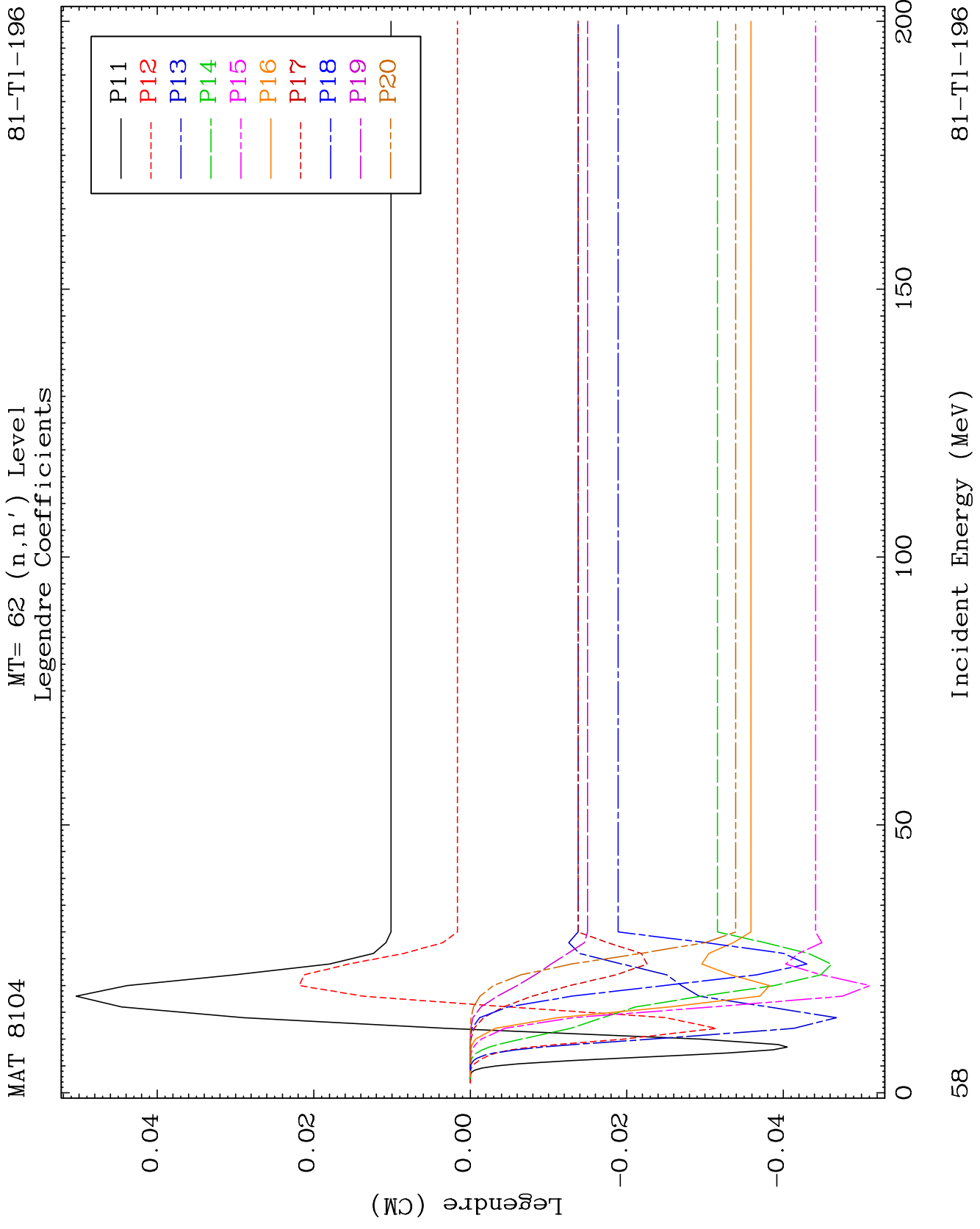
MT= 62 (n,n') Level  
Legendre Coefficients

81-T1-196



57

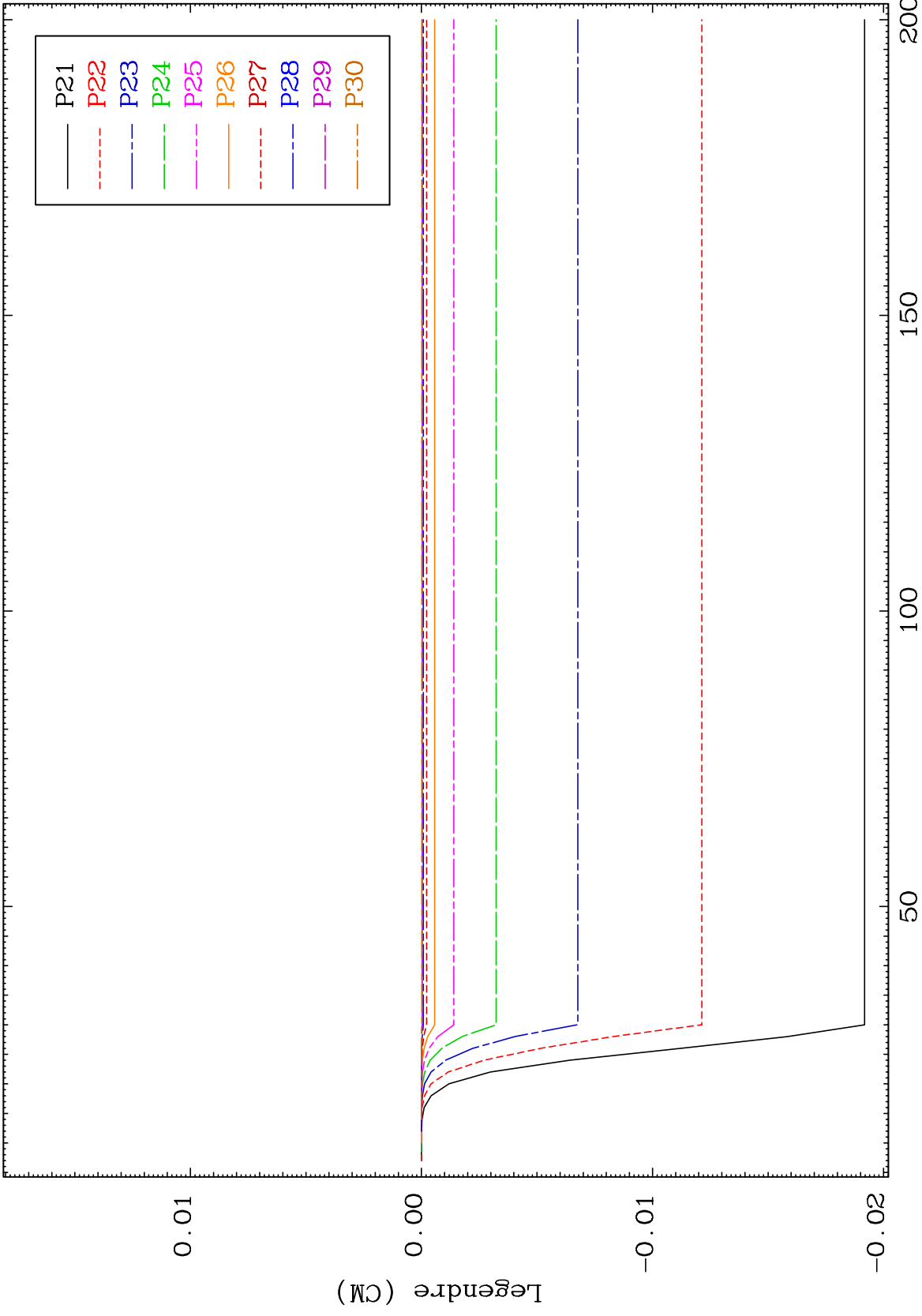
81-T1-196



MAT 8104

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

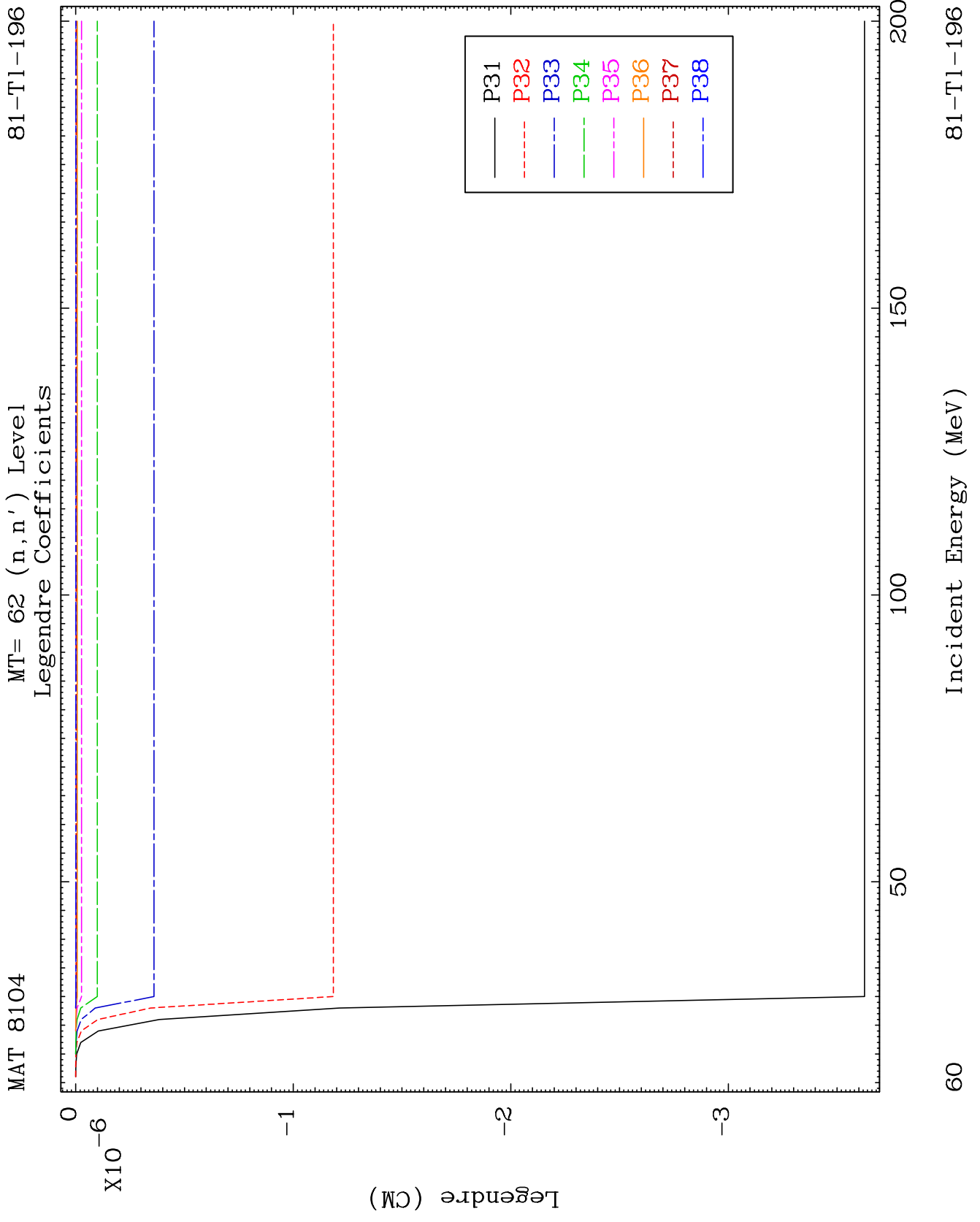
81-Tl-196



59

Incident Energy (MeV)

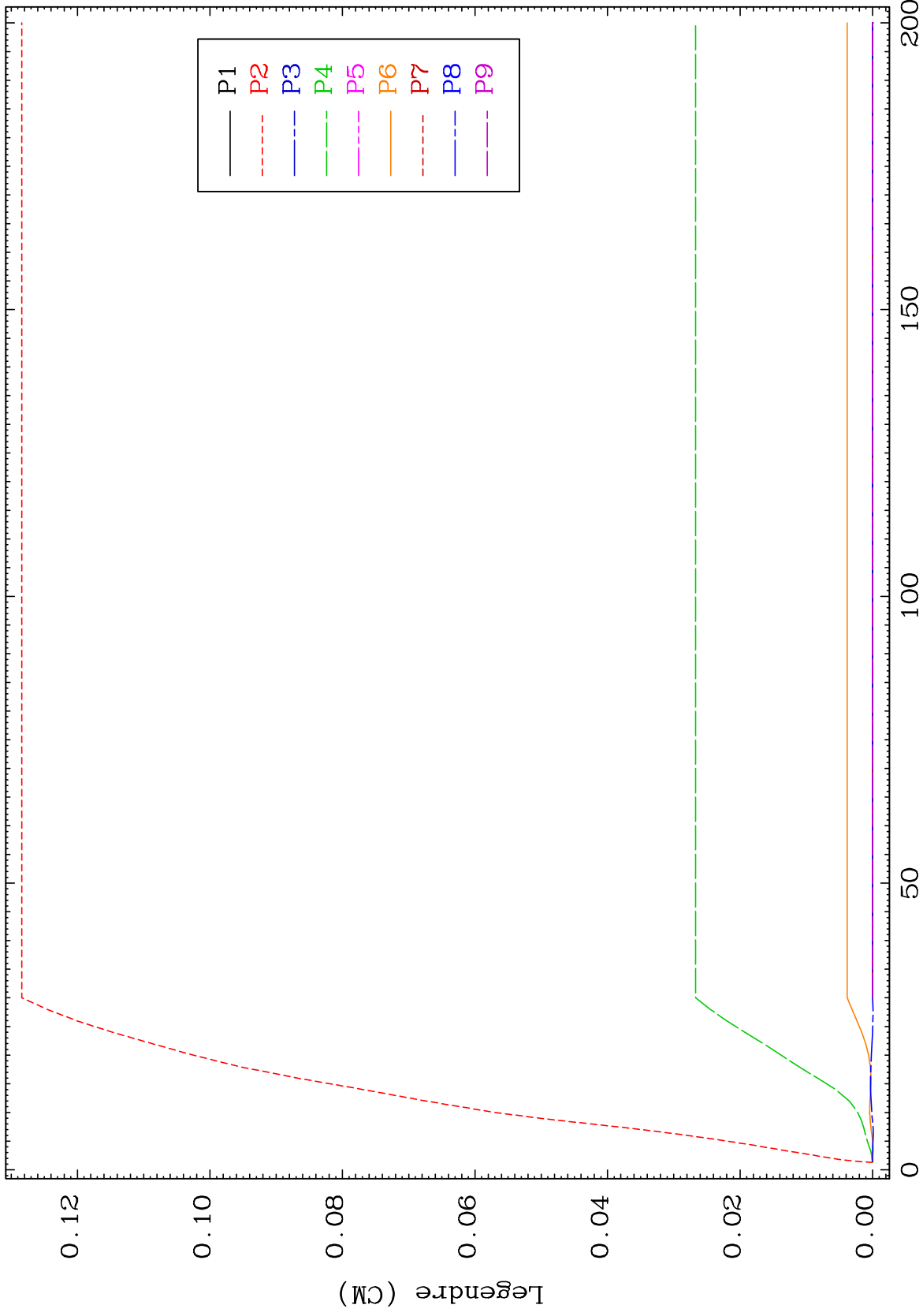
81-Tl-196



MAT 8104

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

81-T1-196



61

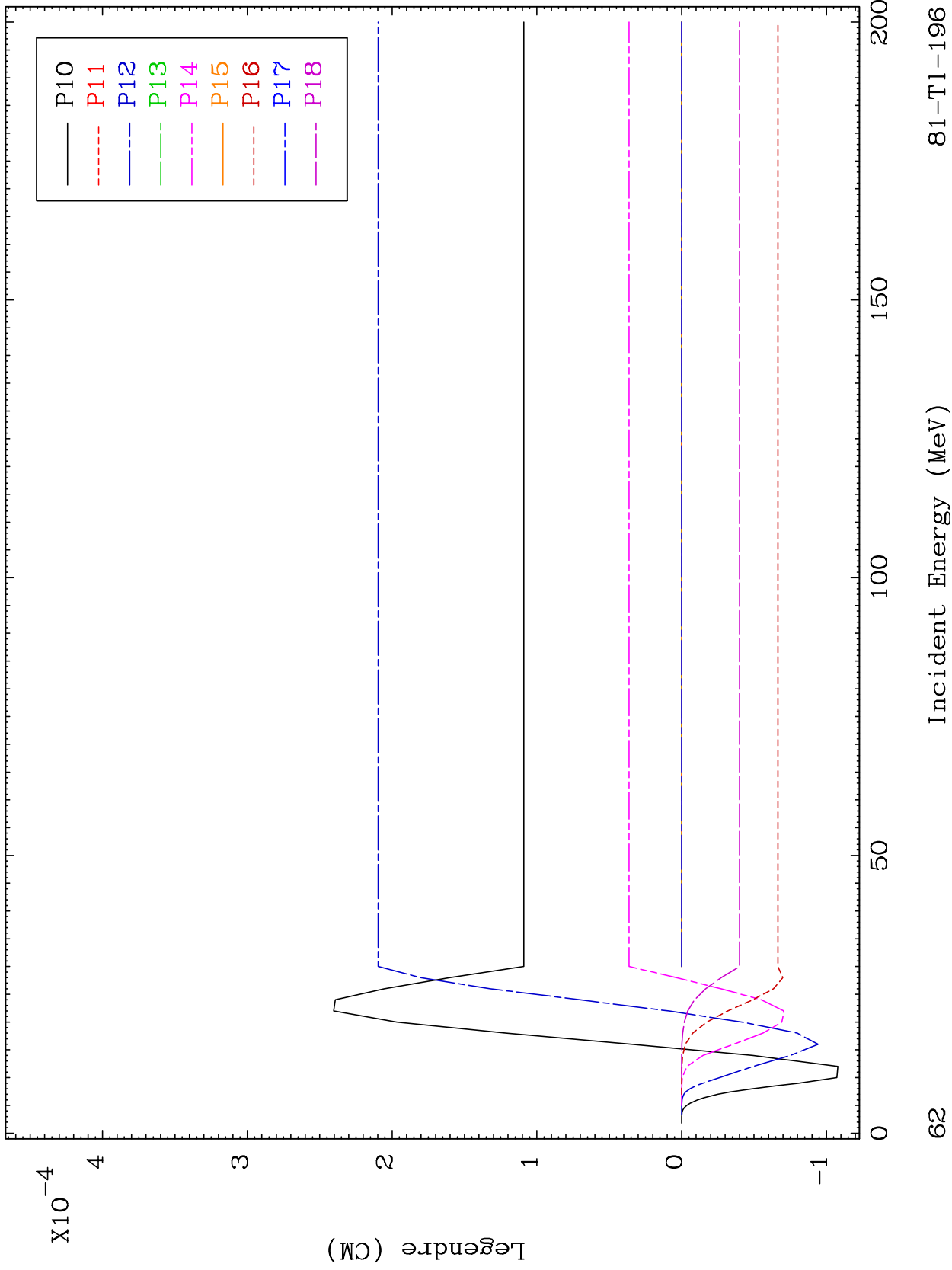
Incident Energy (MeV)

81-T1-196

MAT 8104

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

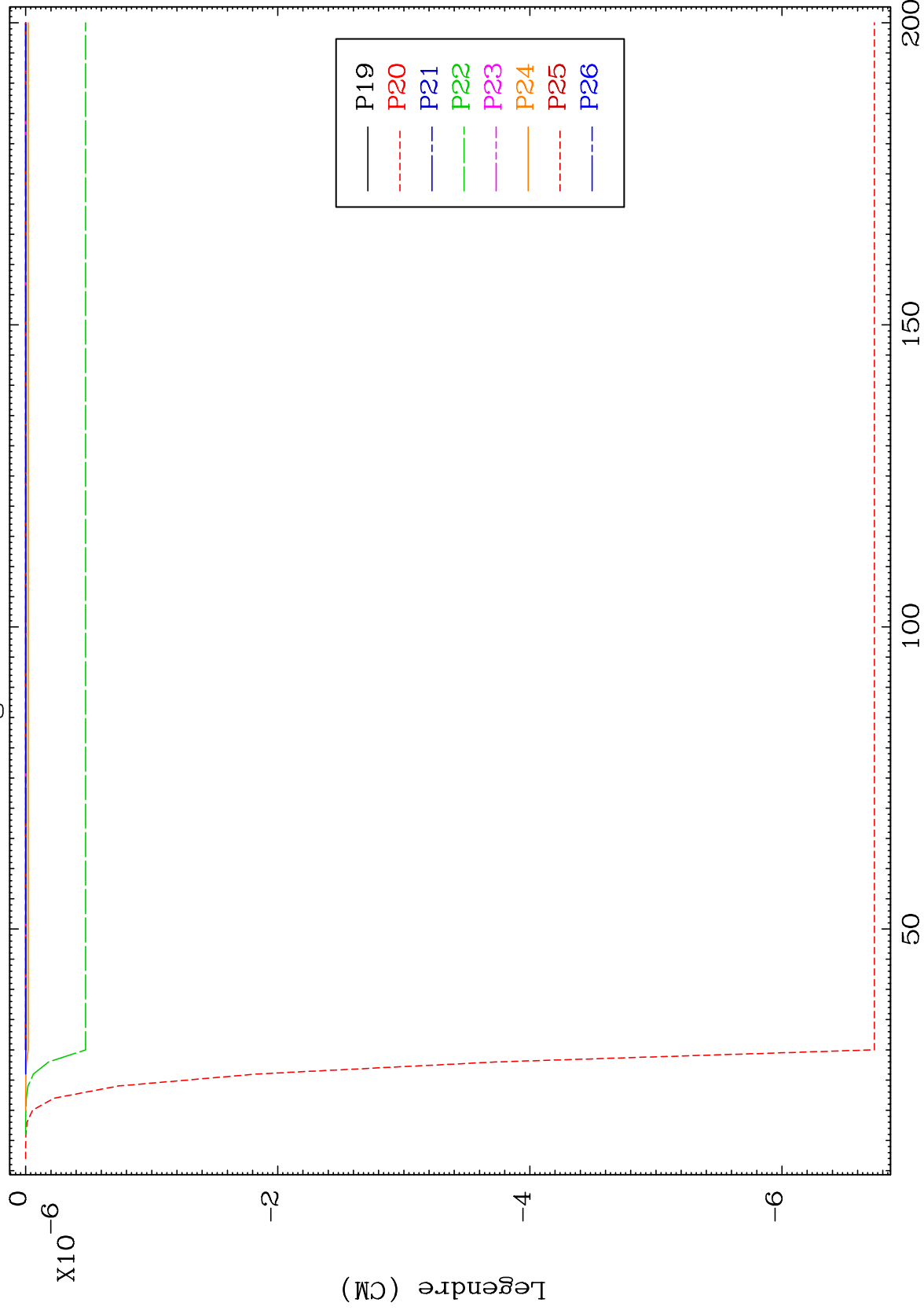
81-T1-196



MAT 8104

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

81-T1-196



63

Incident Energy (MeV)

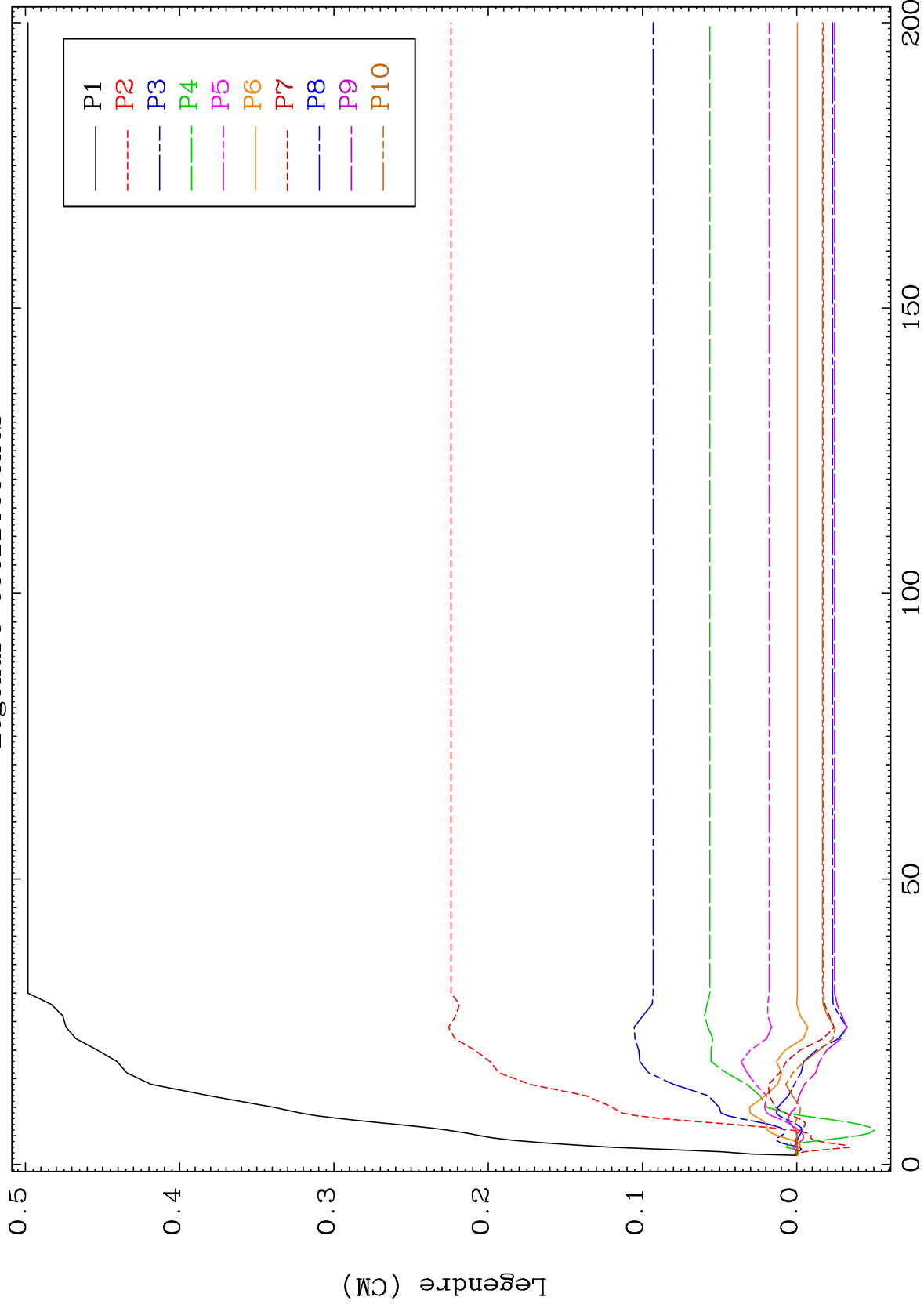
81-T1-196



MAT 8104

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

81-T1-196



81-T1-196

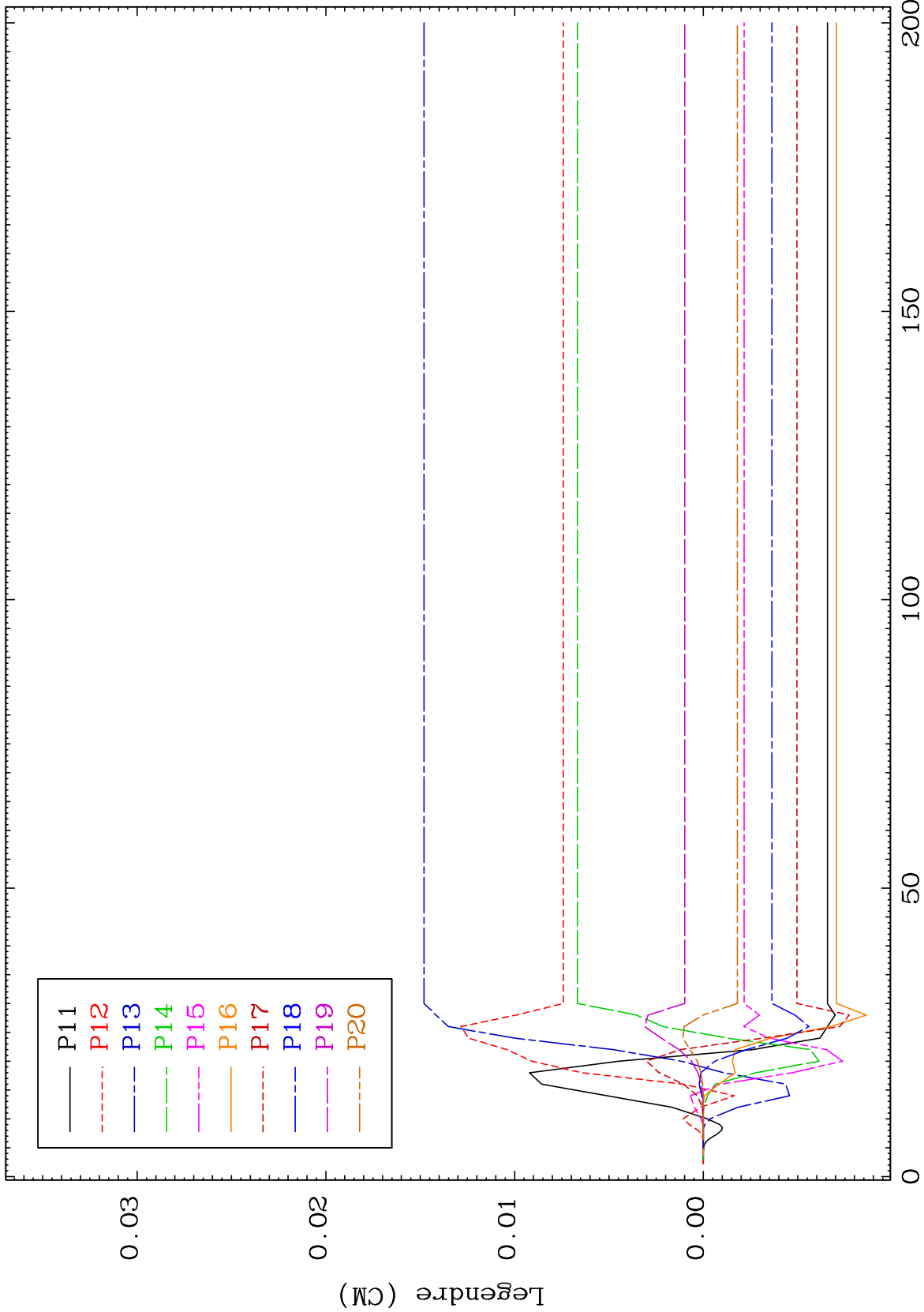
Incident Energy (MeV)

64

MAT 8104

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

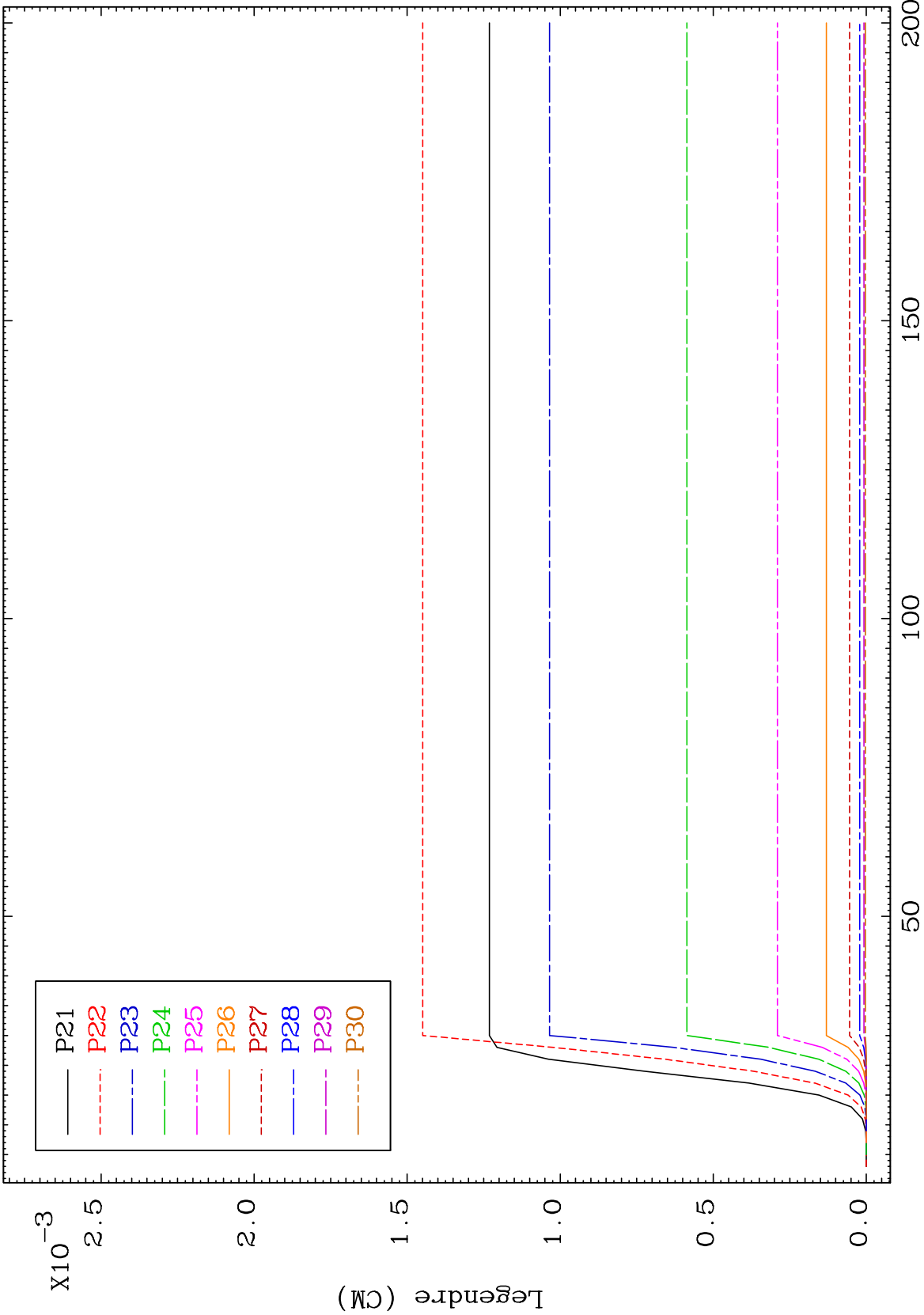
81-Tl-196



65

Incident Energy (MeV)

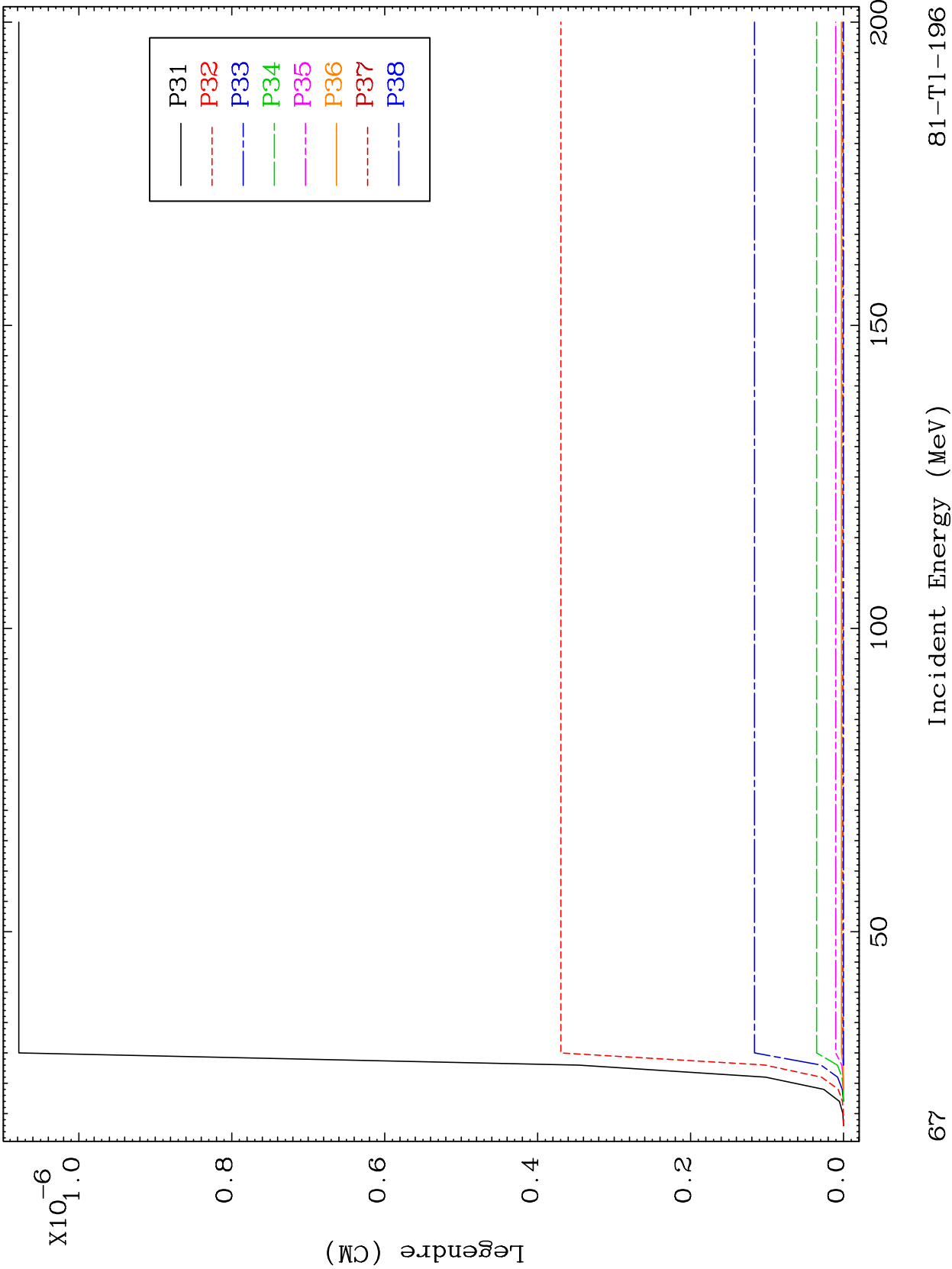
81-Tl-196



MAT 8104

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

81-T1-196



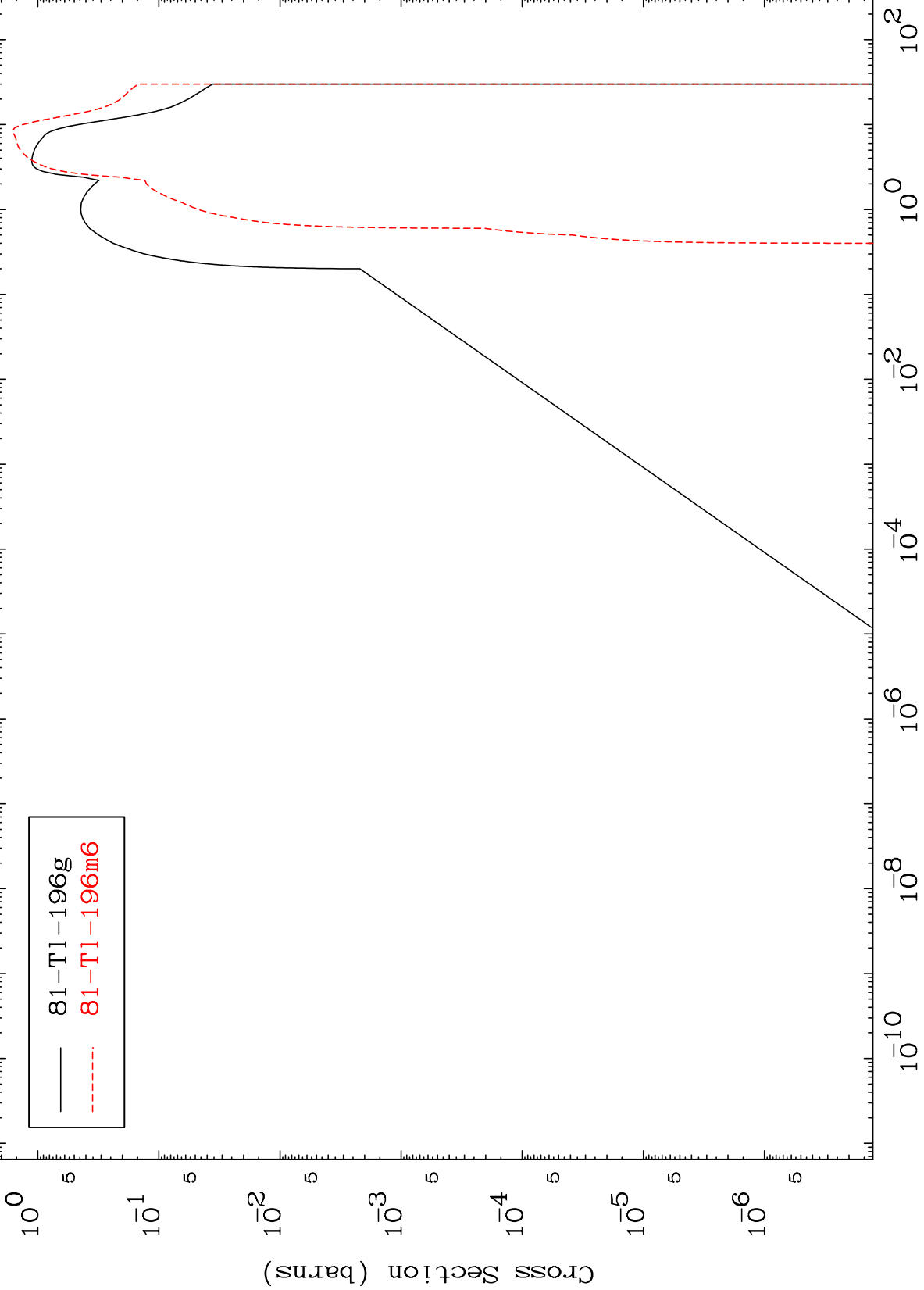
67

81-T1-196

MAT 8104

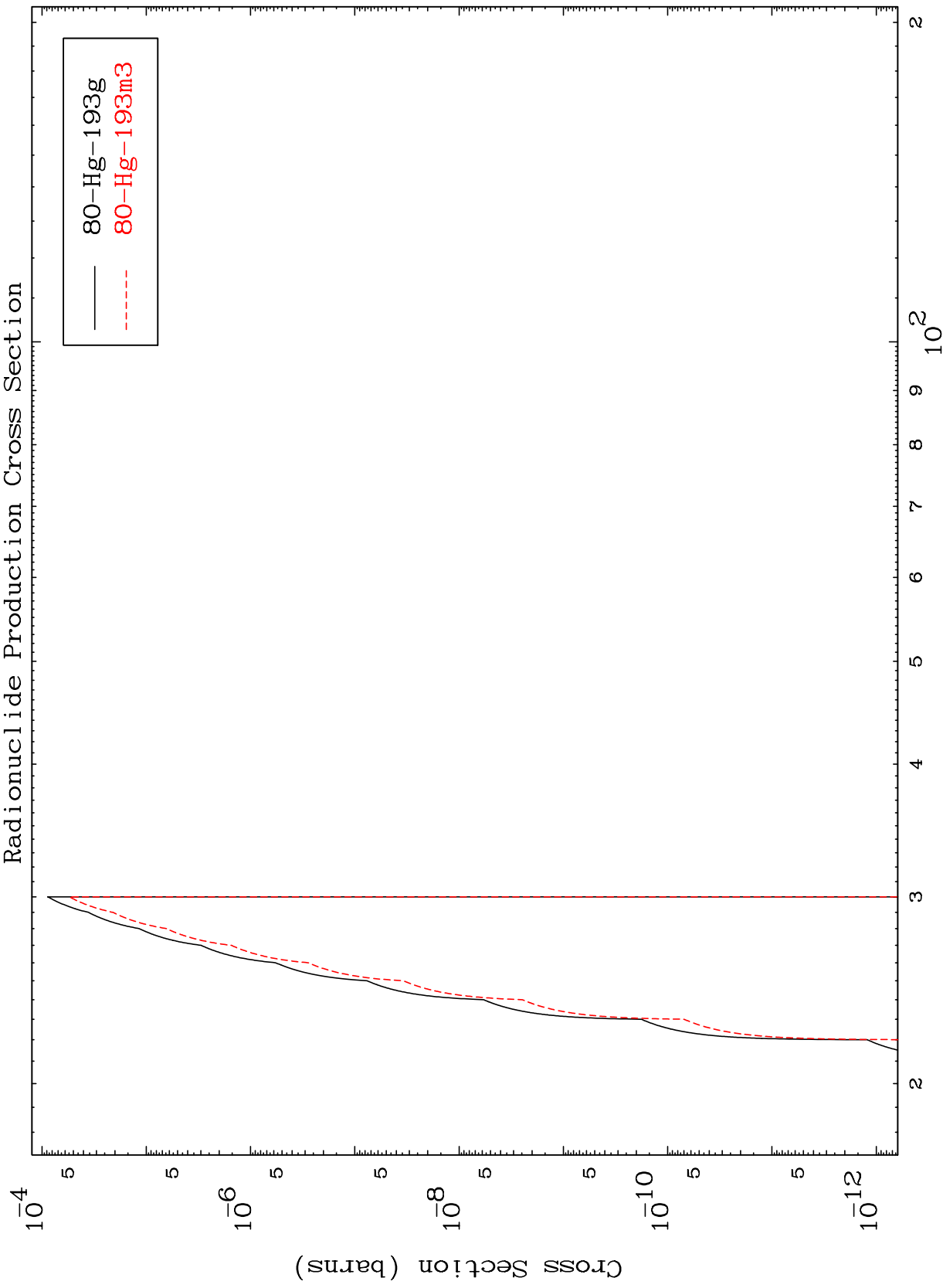
Inelastic  
Radionuclide Production Cross Section

81-Tl-196



81-Tl-196g  
81-Tl-196m6

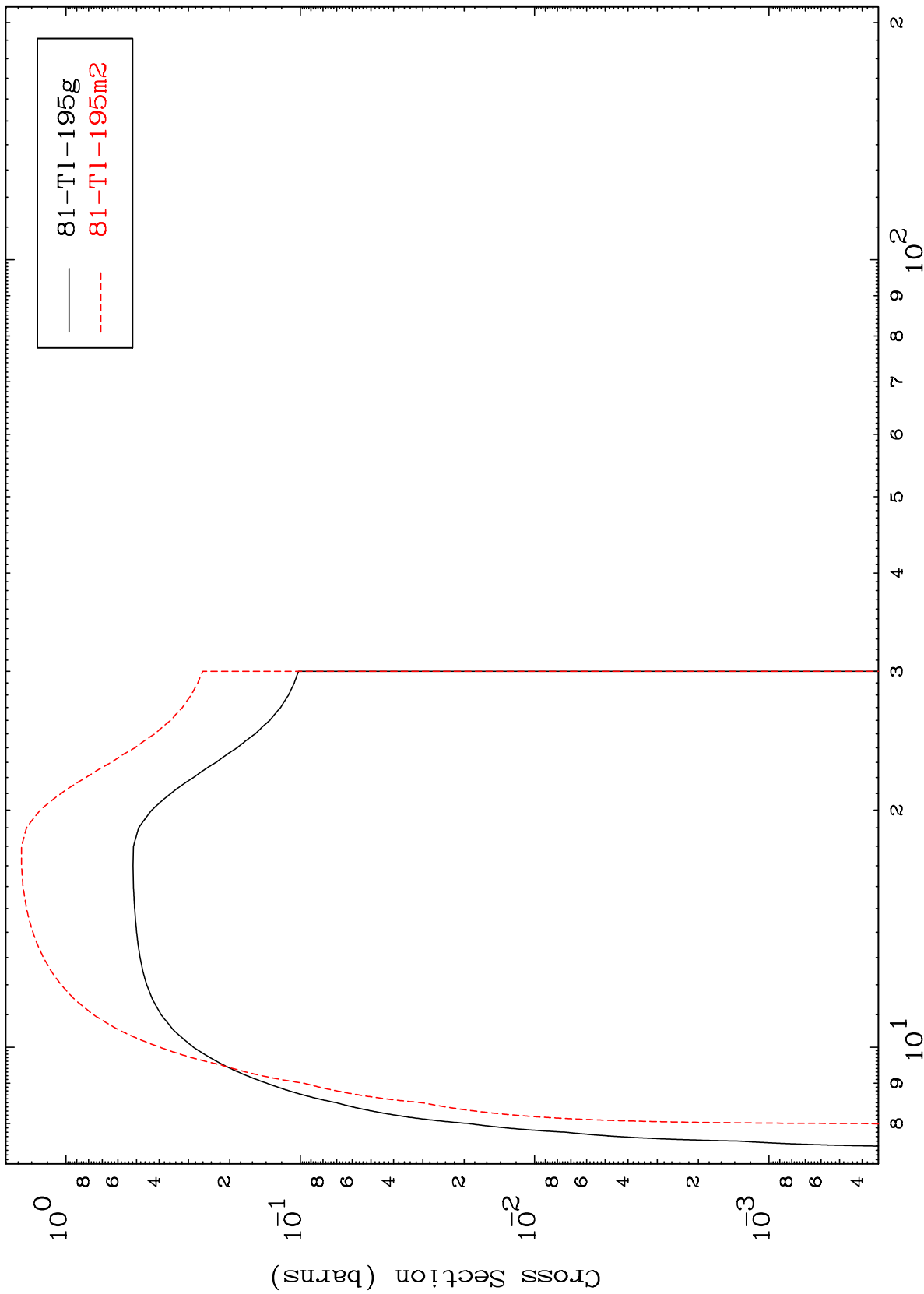
Radionuclide Production Cross Section



MAT 8104

81-Tl-196

(n,2n)  
Radionuclide Production Cross Section



70

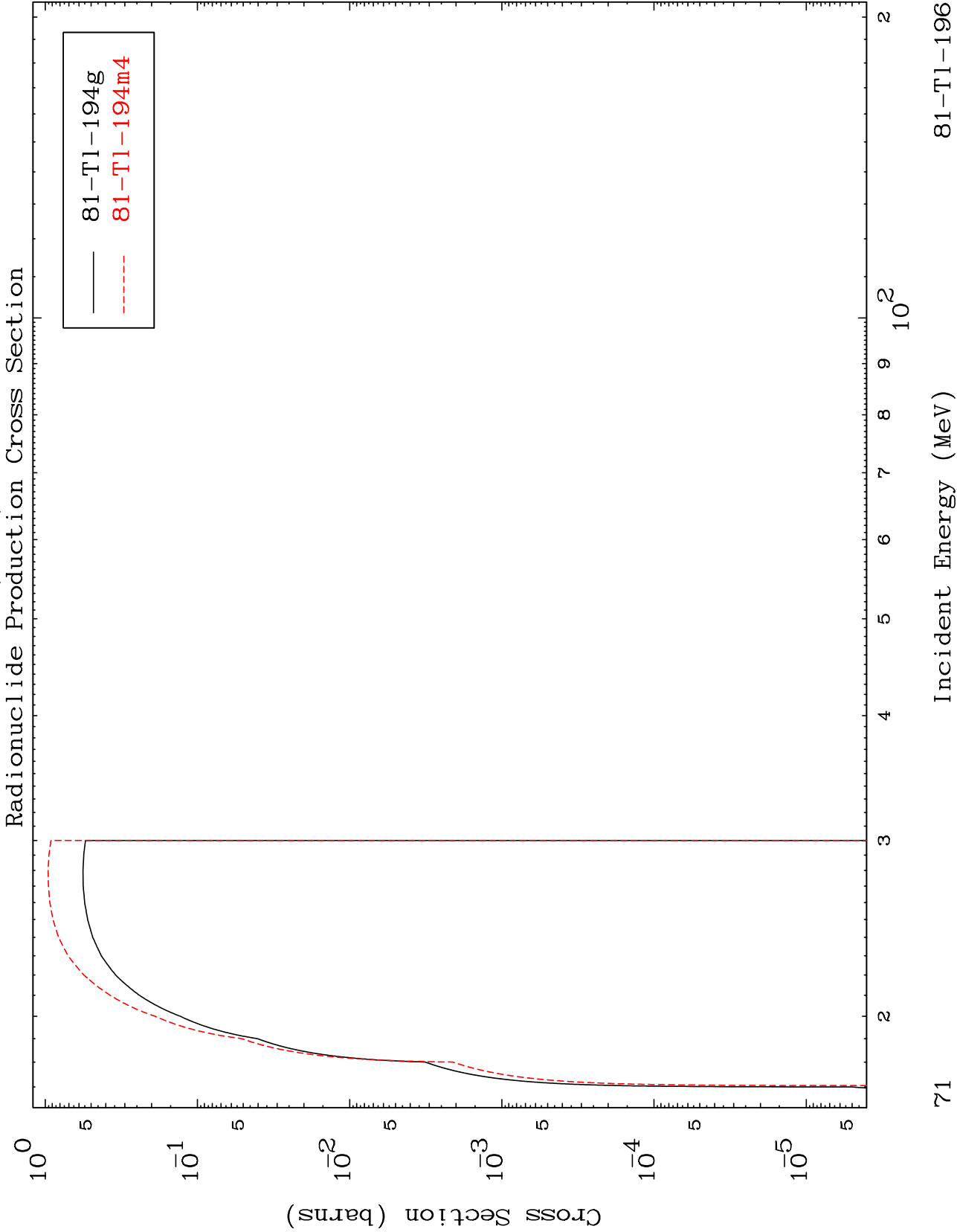
Incident Energy (MeV)

81-Tl-196

MAT 8104

(n,3n)

81-Tl-196



71

81-Tl-196

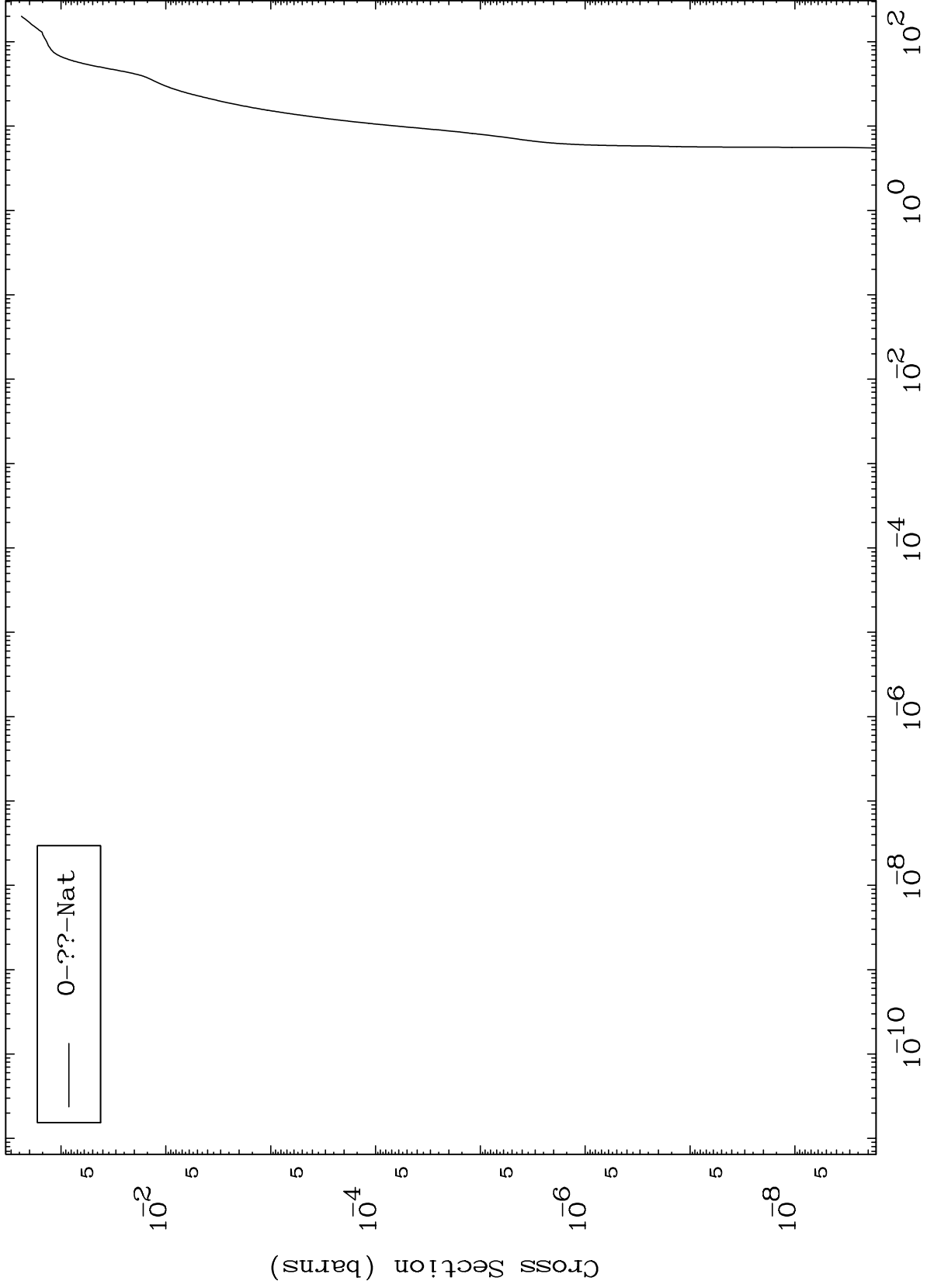


MAT 8104

Fission

81-Tl-196

Radionuclide Production Cross Section



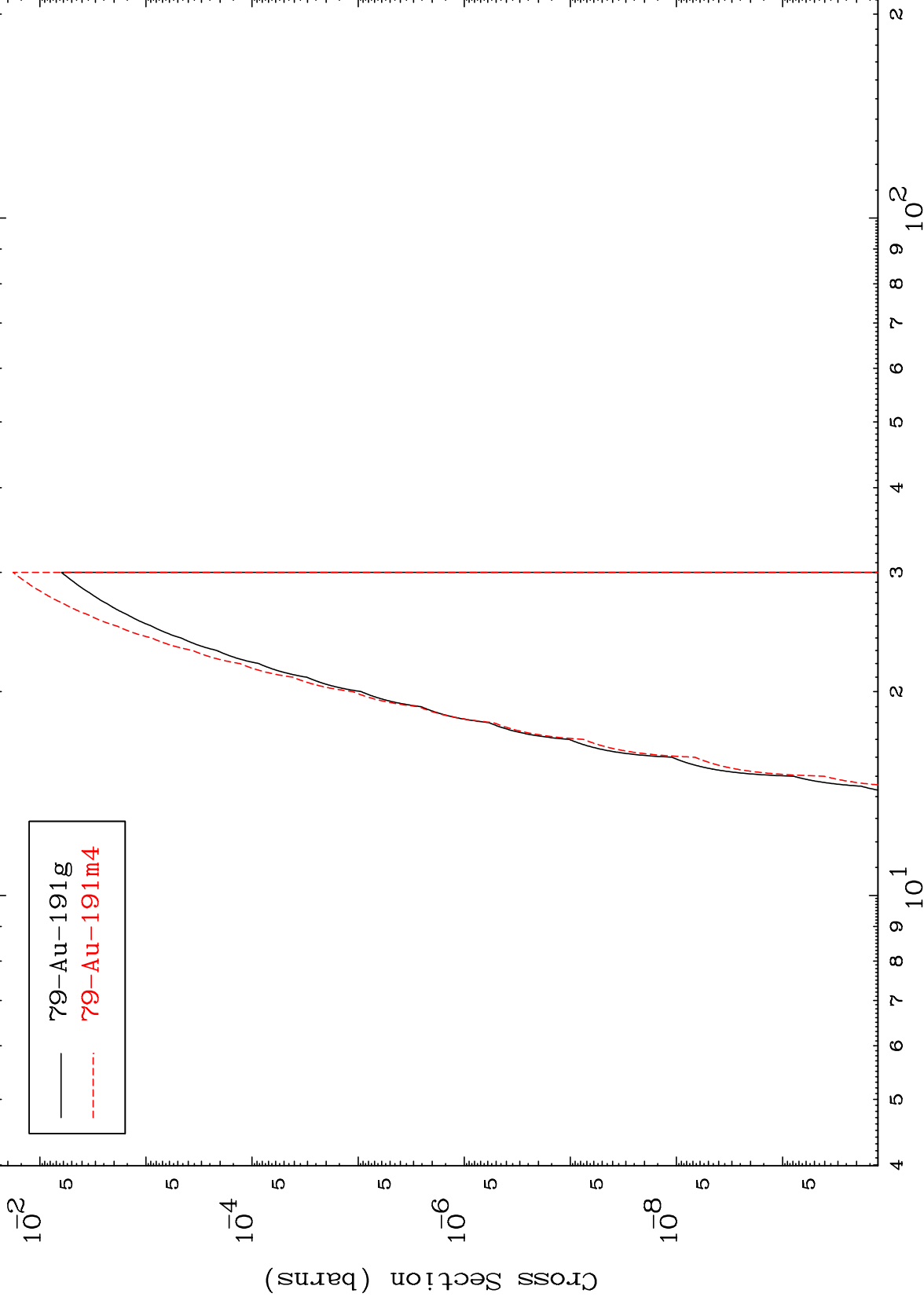
0-??-Nat

MAT 8104

(n,2n)  $\alpha$

81-Tl-196

Radionuclide Production Cross Section



—  $^{191}\text{Au-g}$   
- - -  $^{191}\text{Au-m4}$

73

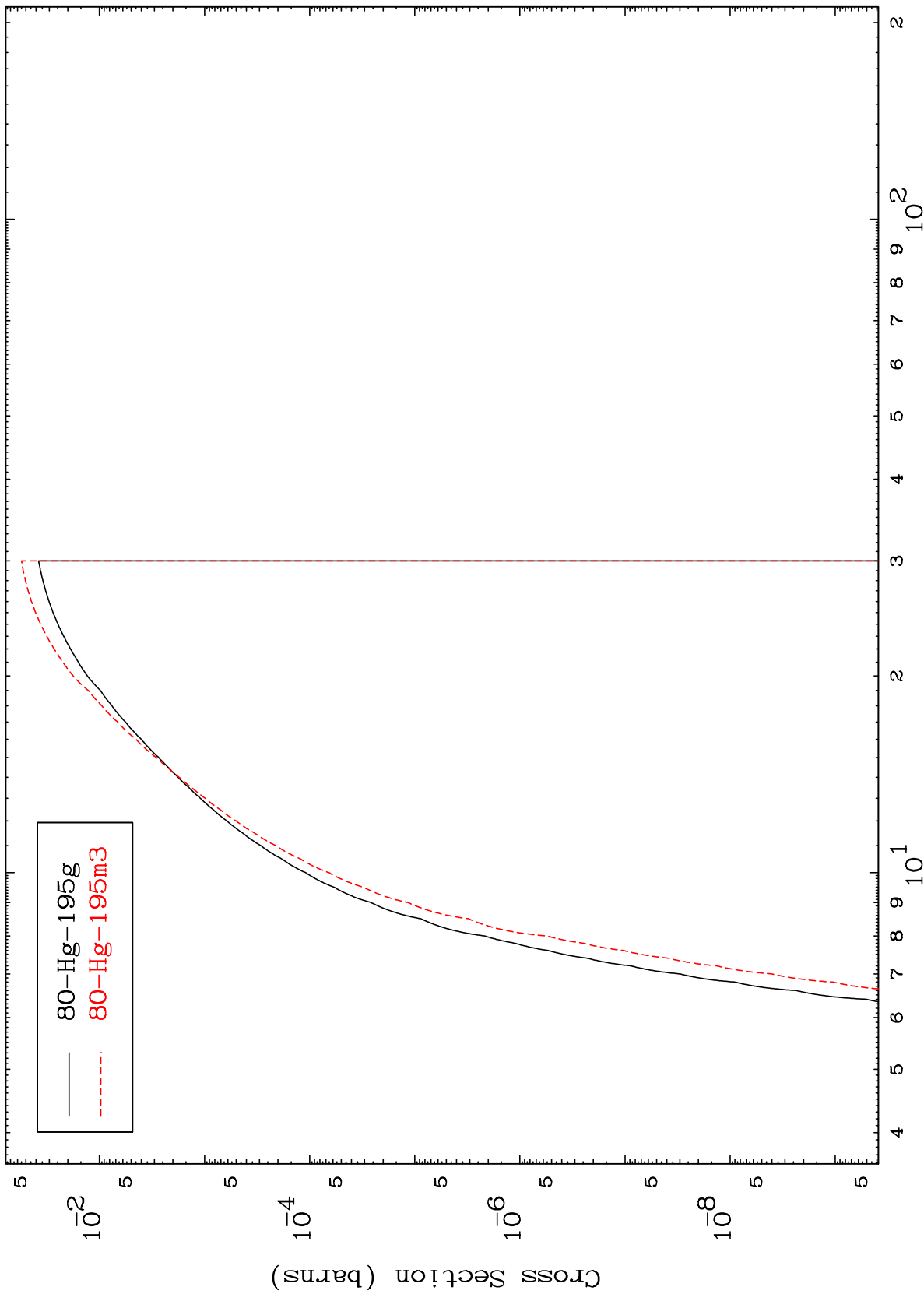
Incident Energy (MeV)

81-Tl-196

MAT 8104

81-T1-196

(n,n') p  
Radionuclide Production Cross Section



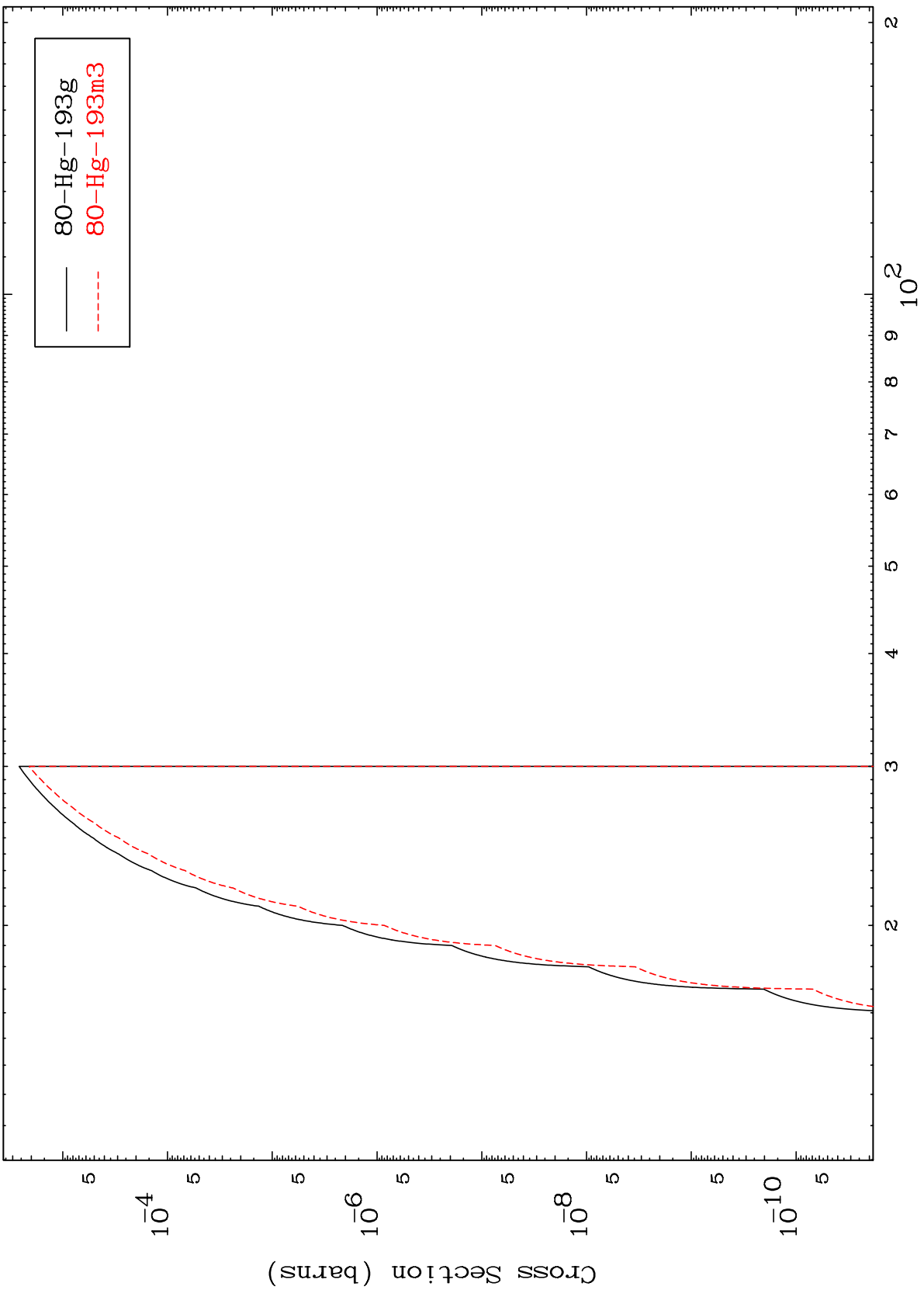
80-Hg-195g  
80-Hg-195m3

81-T1-196

Incident Energy (MeV)

74

Radionuclide Production Cross Section

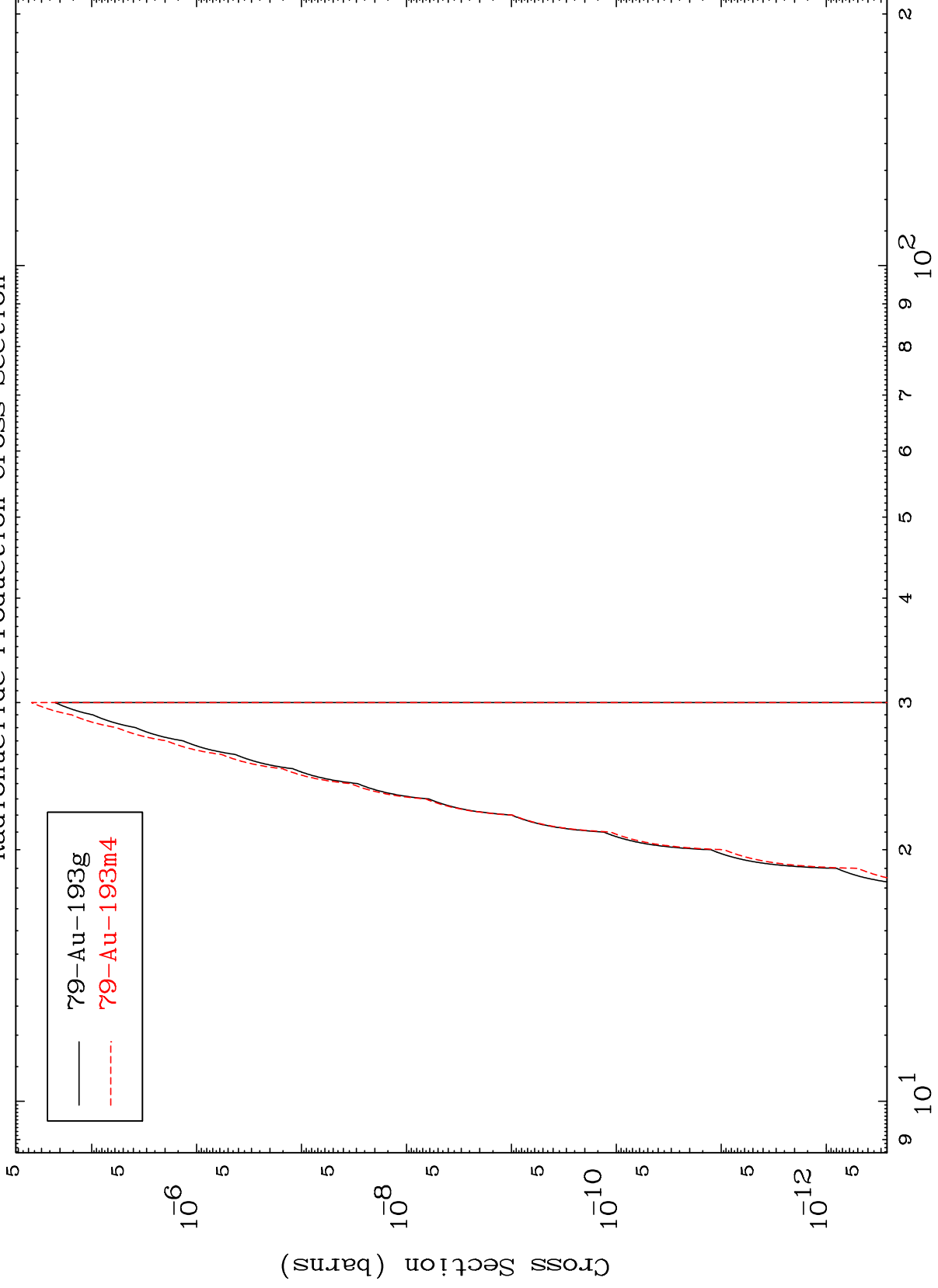


MAT 8104

(n,n') He-3

81-Tl-196

Radionuclide Production Cross Section



76

Incident Energy (MeV)

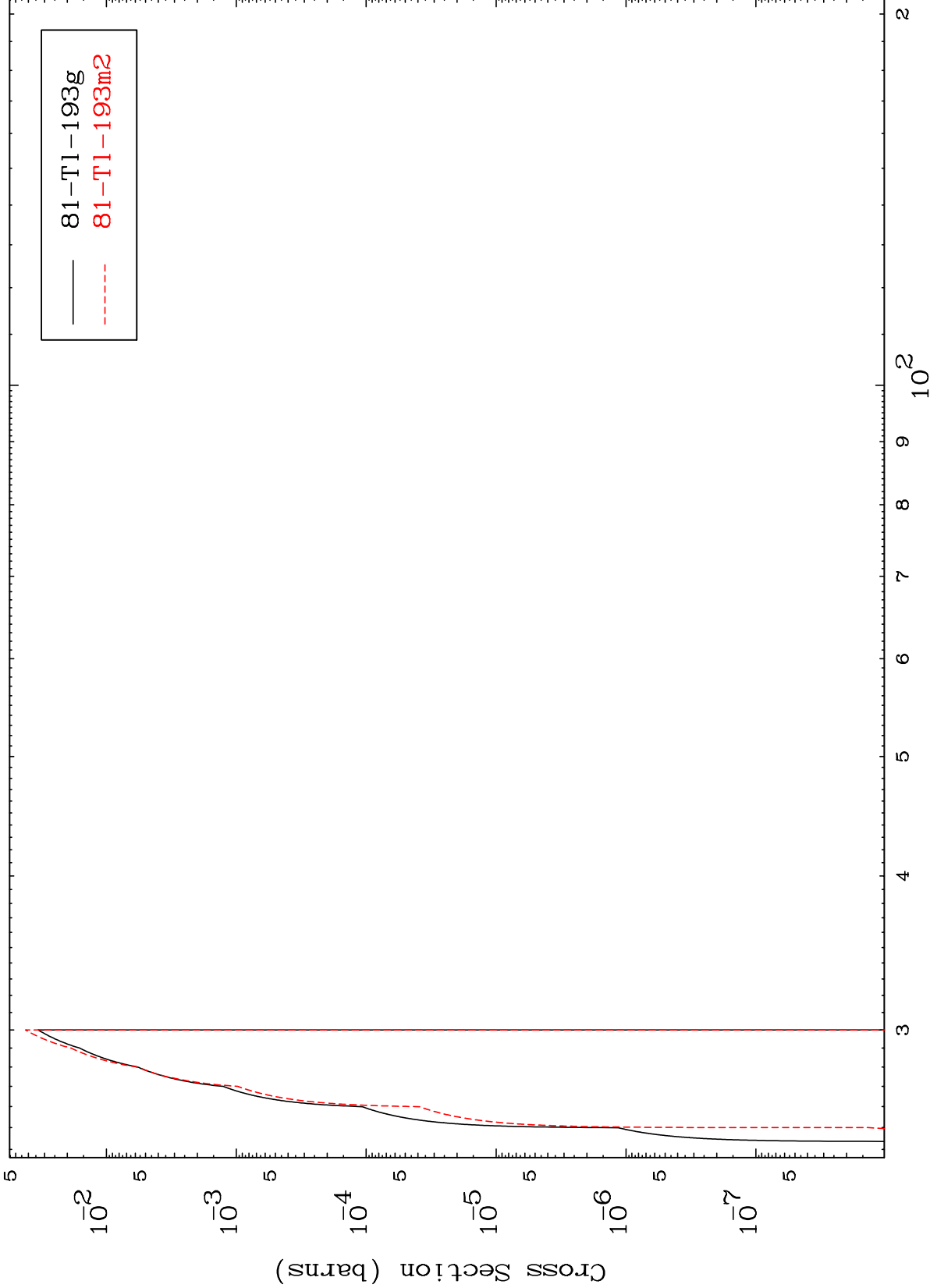
81-Tl-196

MAT 8104

(n,4n)

81-Tl-196

Radionuclide Production Cross Section



81-Tl-193g  
81-Tl-193m2

77

Incident Energy (MeV)

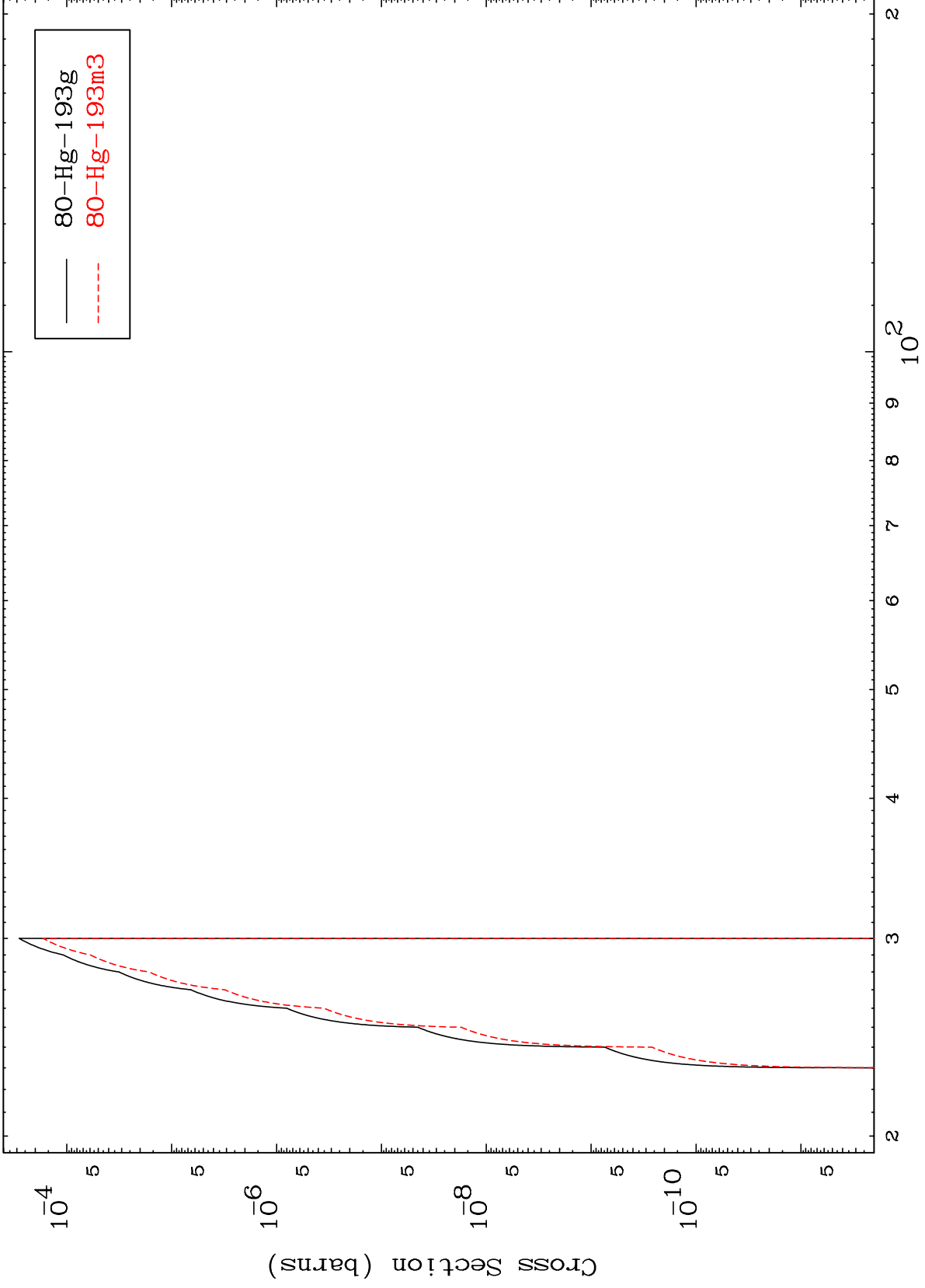
81-Tl-196

MAT 8104

(n,3n) p

81-Tl-196

Radionuclide Production Cross Section



78

Incident Energy (MeV)

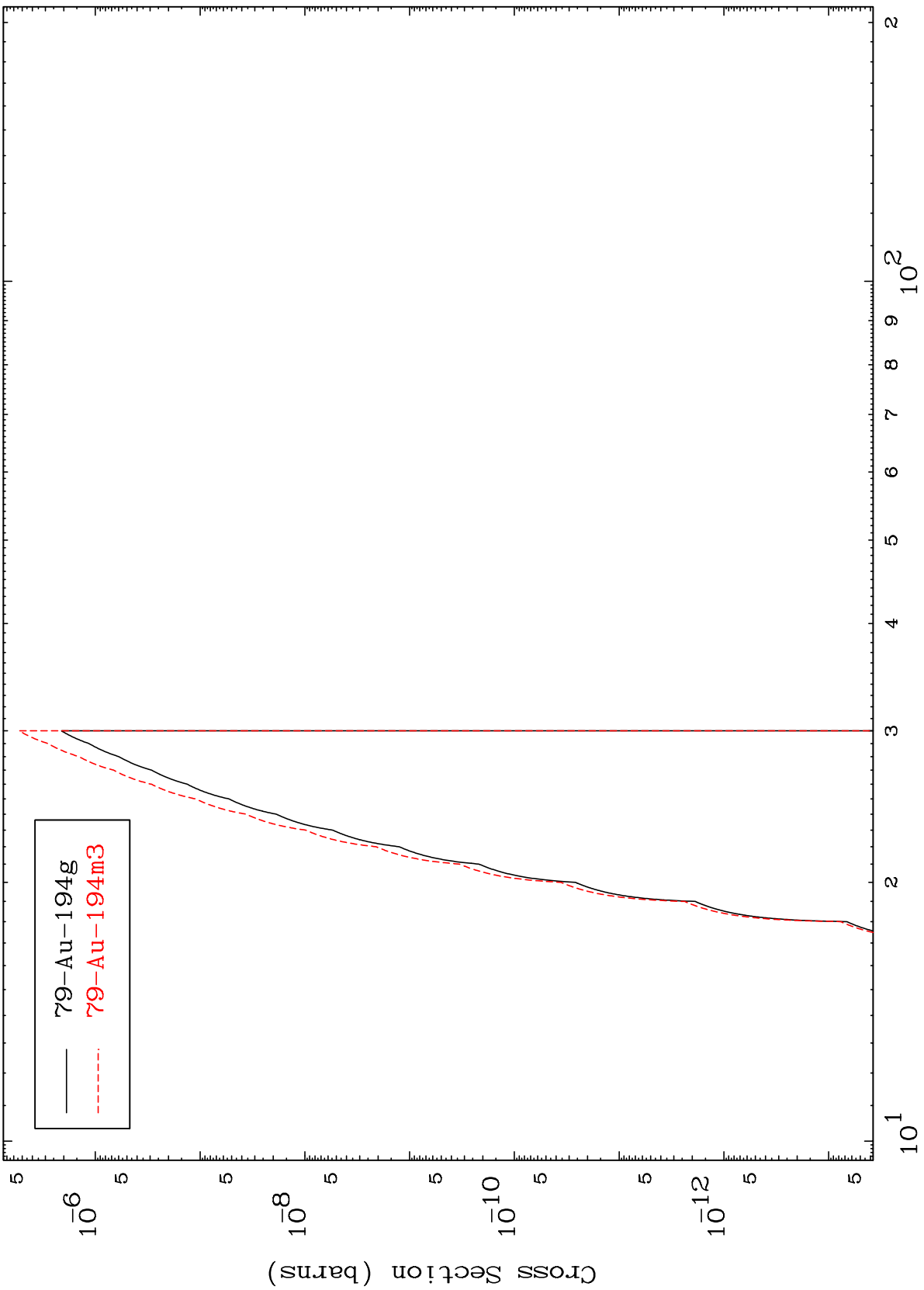
81-Tl-196

MAT 8104

(n,2n) p

81-Tl-196

Radionuclide Production Cross Section



79-Au-194g  
79-Au-194m3

79

Incident Energy (MeV)

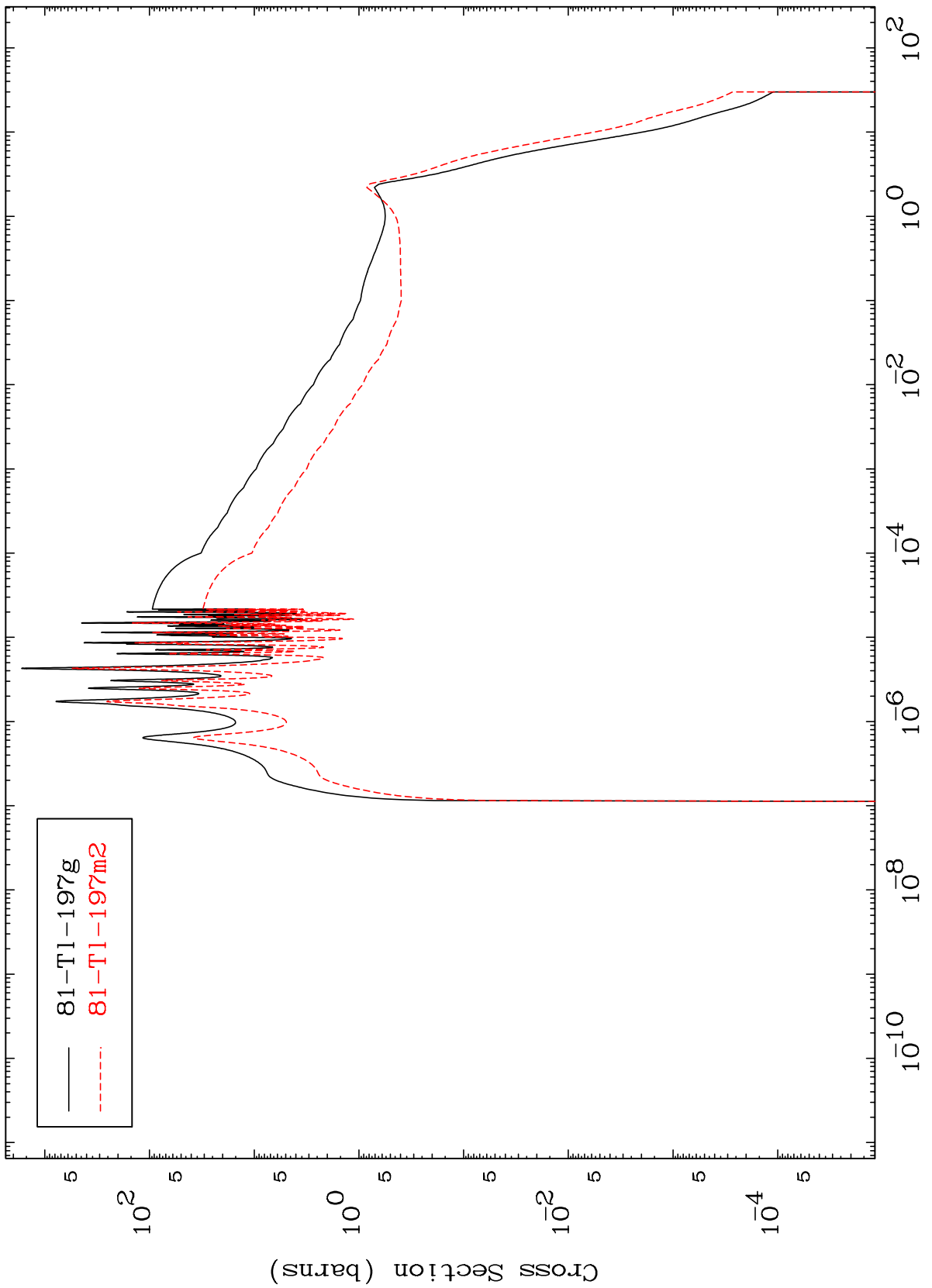
81-Tl-196



MAT 8104

81-Tl-196

Radionuclide Production Cross Section



80

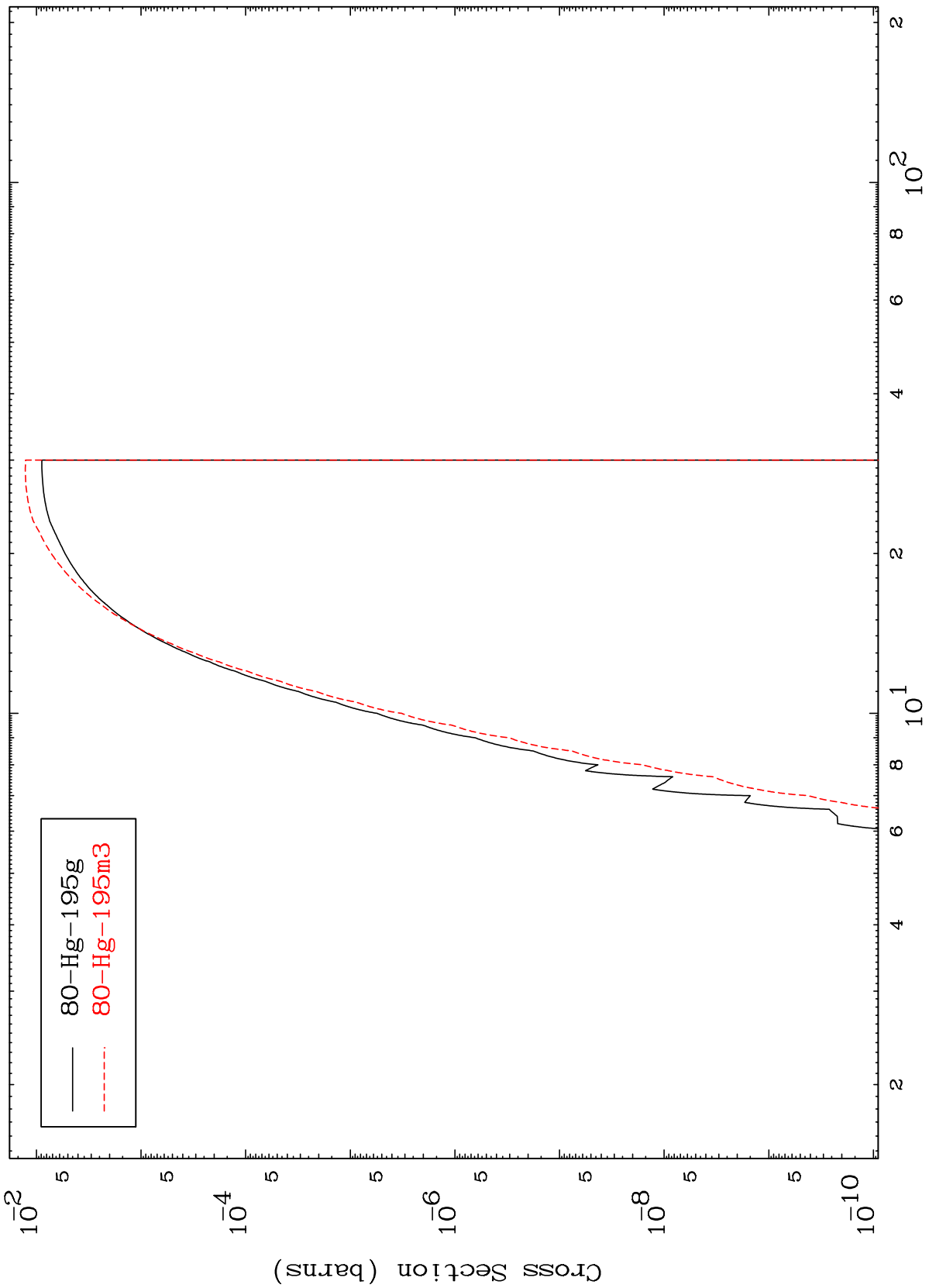
81-Tl-196

MAT 8104

(n,d)

81-Tl-196

Radionuclide Production Cross Section



81

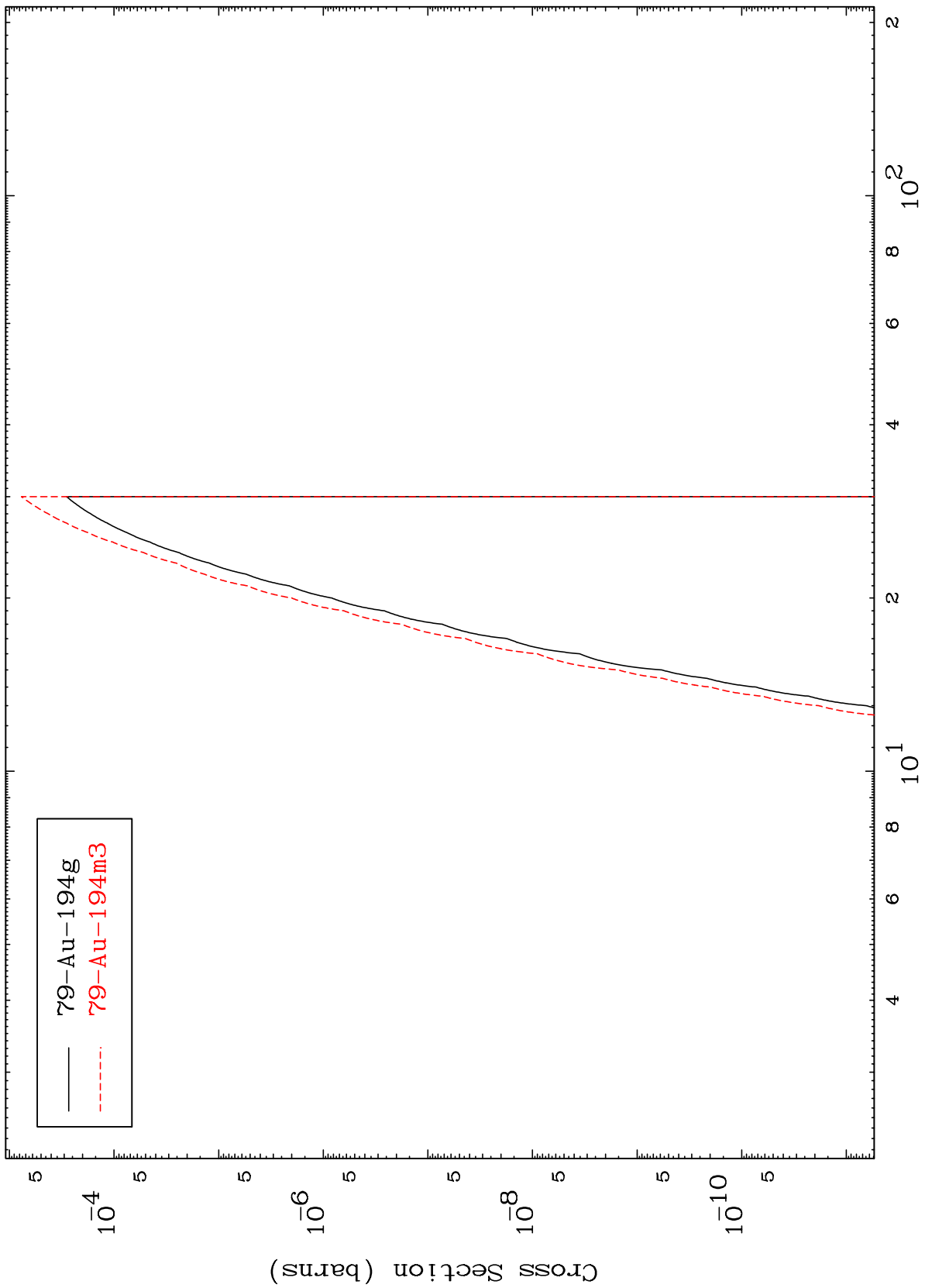
Incident Energy (MeV)

81-Tl-196

MAT 8104

81-Tl-196

Radionuclide Production Cross Section



82

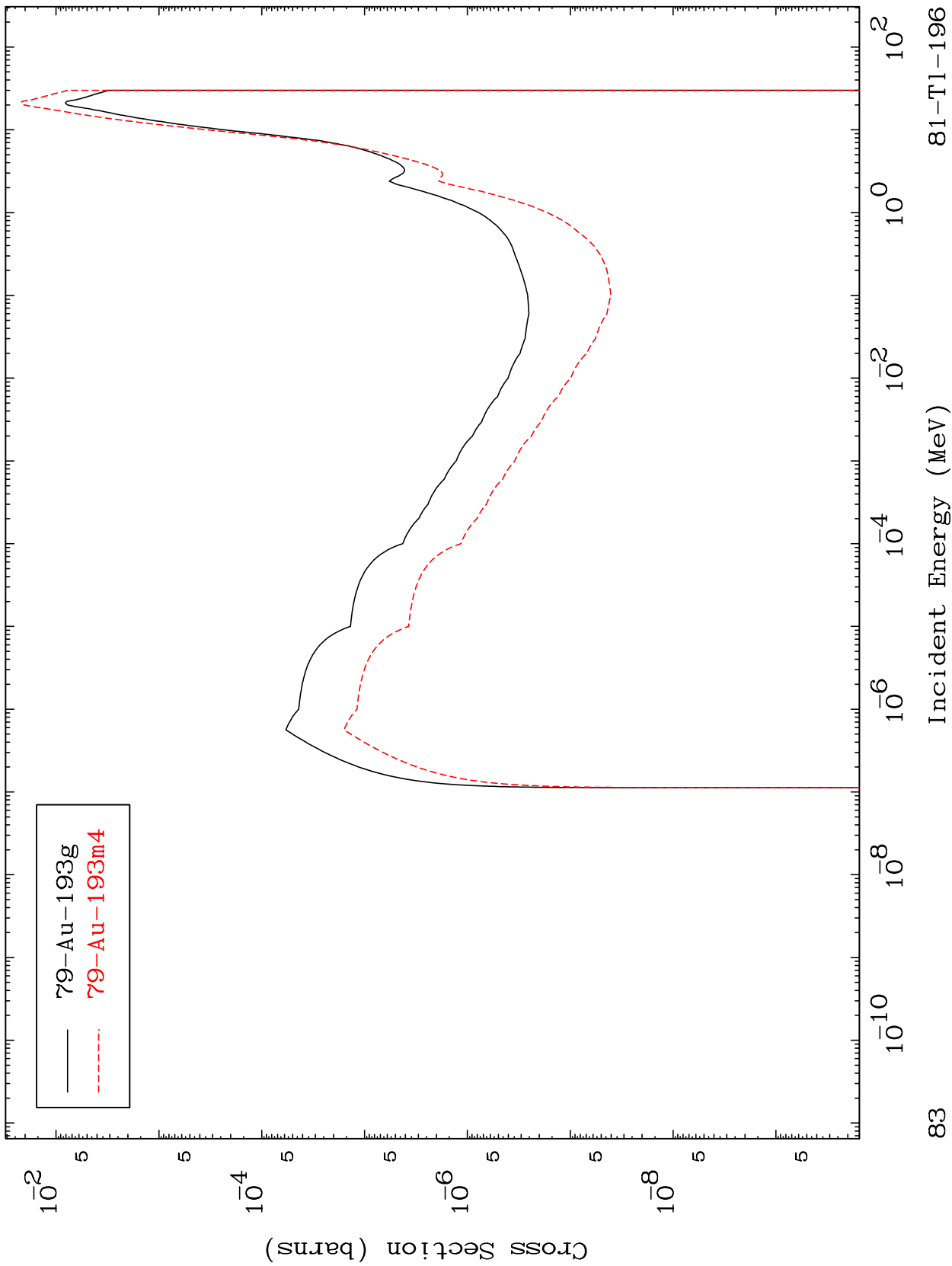
81-Tl-196

Incident Energy (MeV)

MAT 8104

81-Tl-196

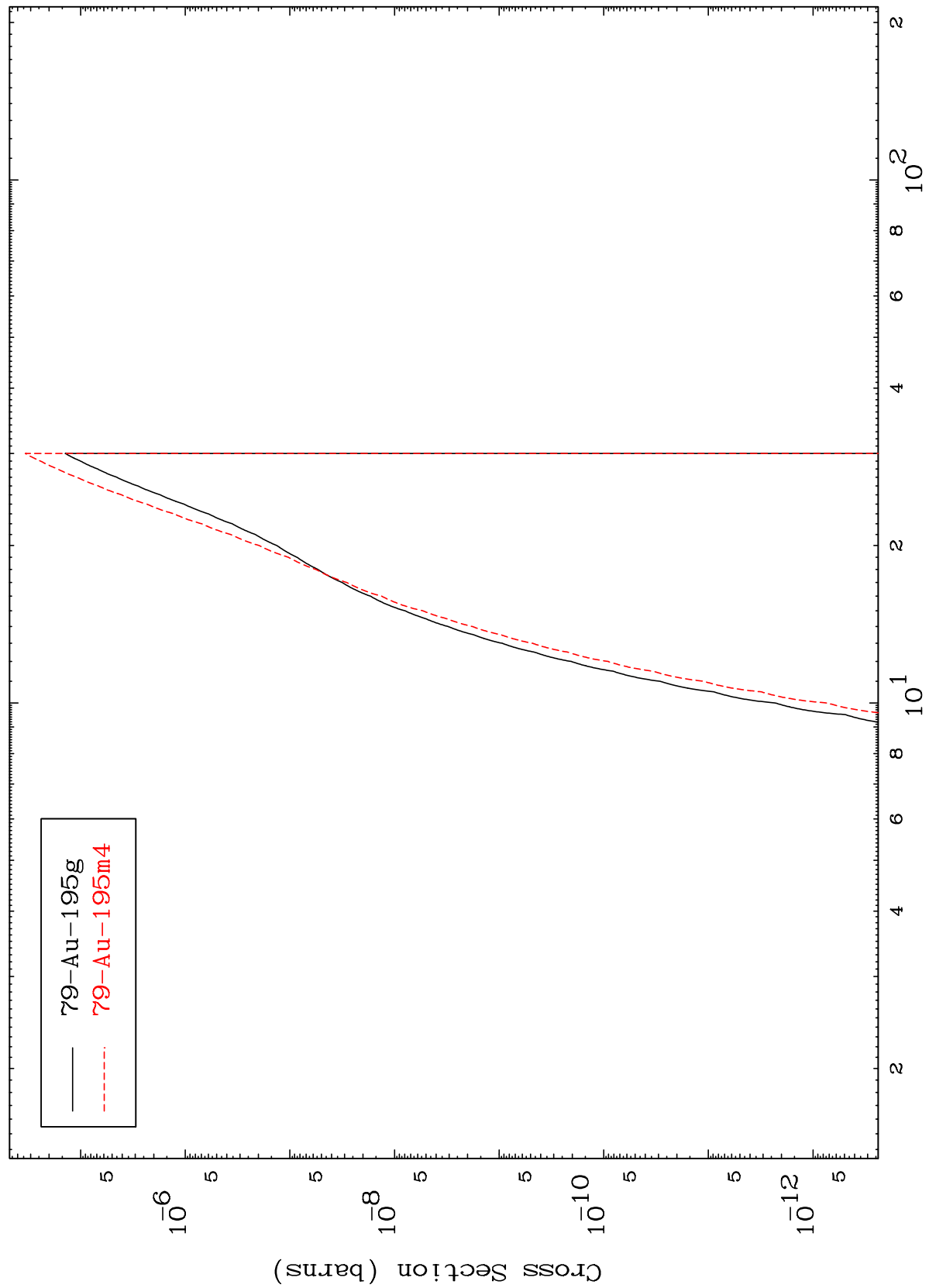
Radionuclide Production Cross Section  
(n,  $\alpha$ )



MAT 8104

81-Tl-196

(n,2p)  
Radionuclide Production Cross Section



— 79-Au-195g  
- - - 79-Au-195m4

84

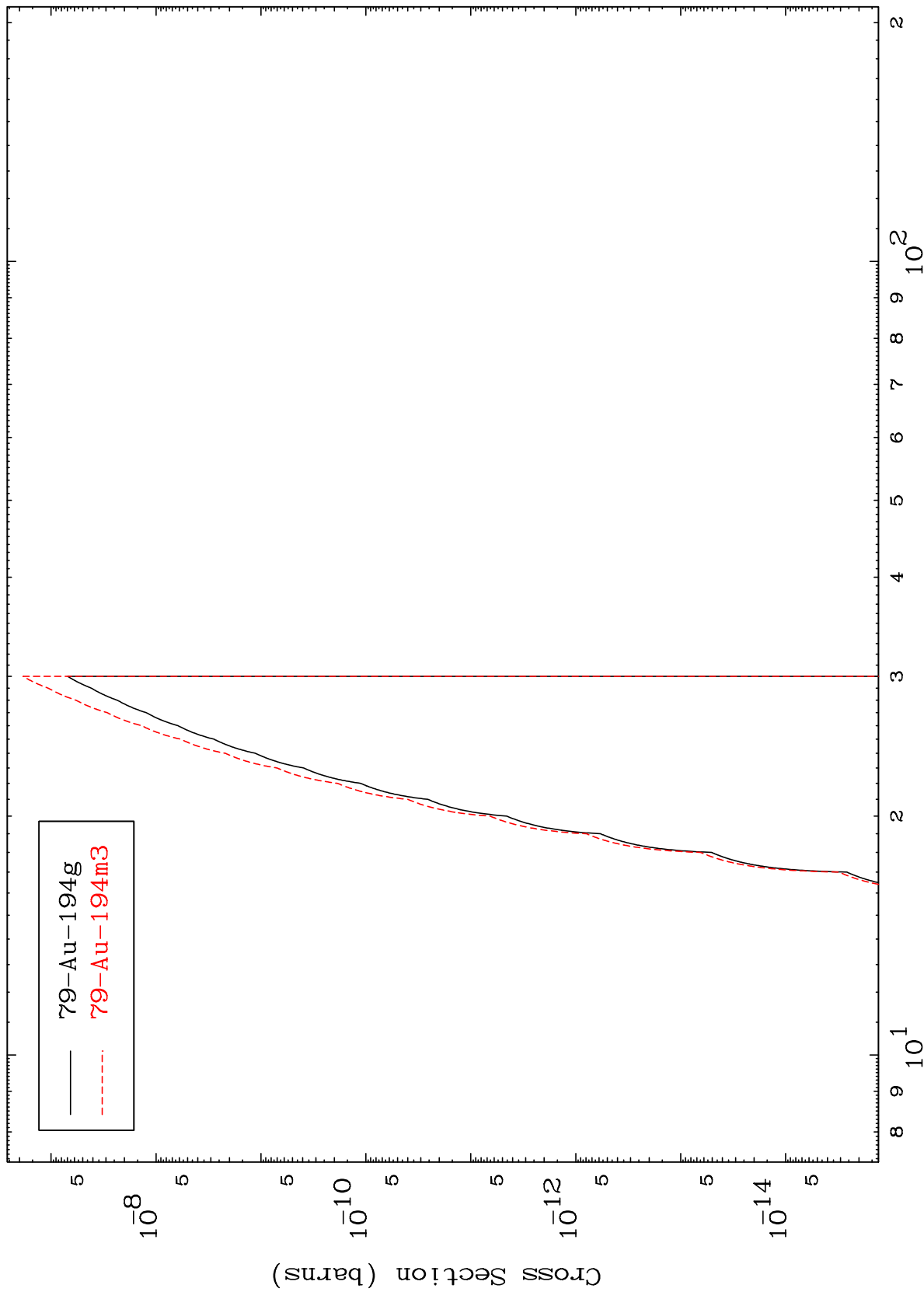
81-Tl-196

MAT 8104

(n,p) d

81-Tl-196

Radionuclide Production Cross Section



85

Incident Energy (MeV)

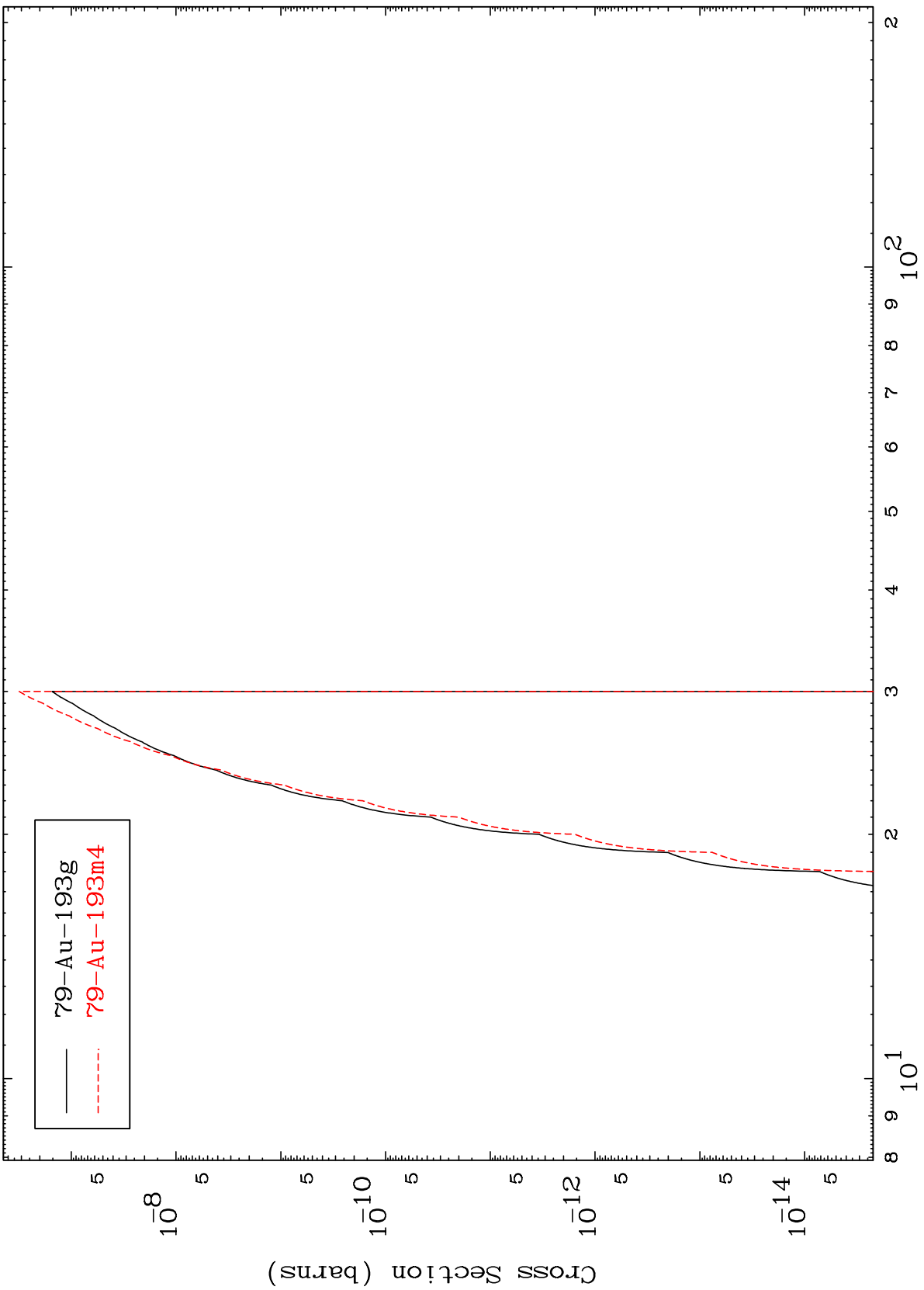
81-Tl-196

MAT 8104

(n,p) t

81-Tl-196

Radionuclide Production Cross Section



86

Incident Energy (MeV)

81-Tl-196