

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

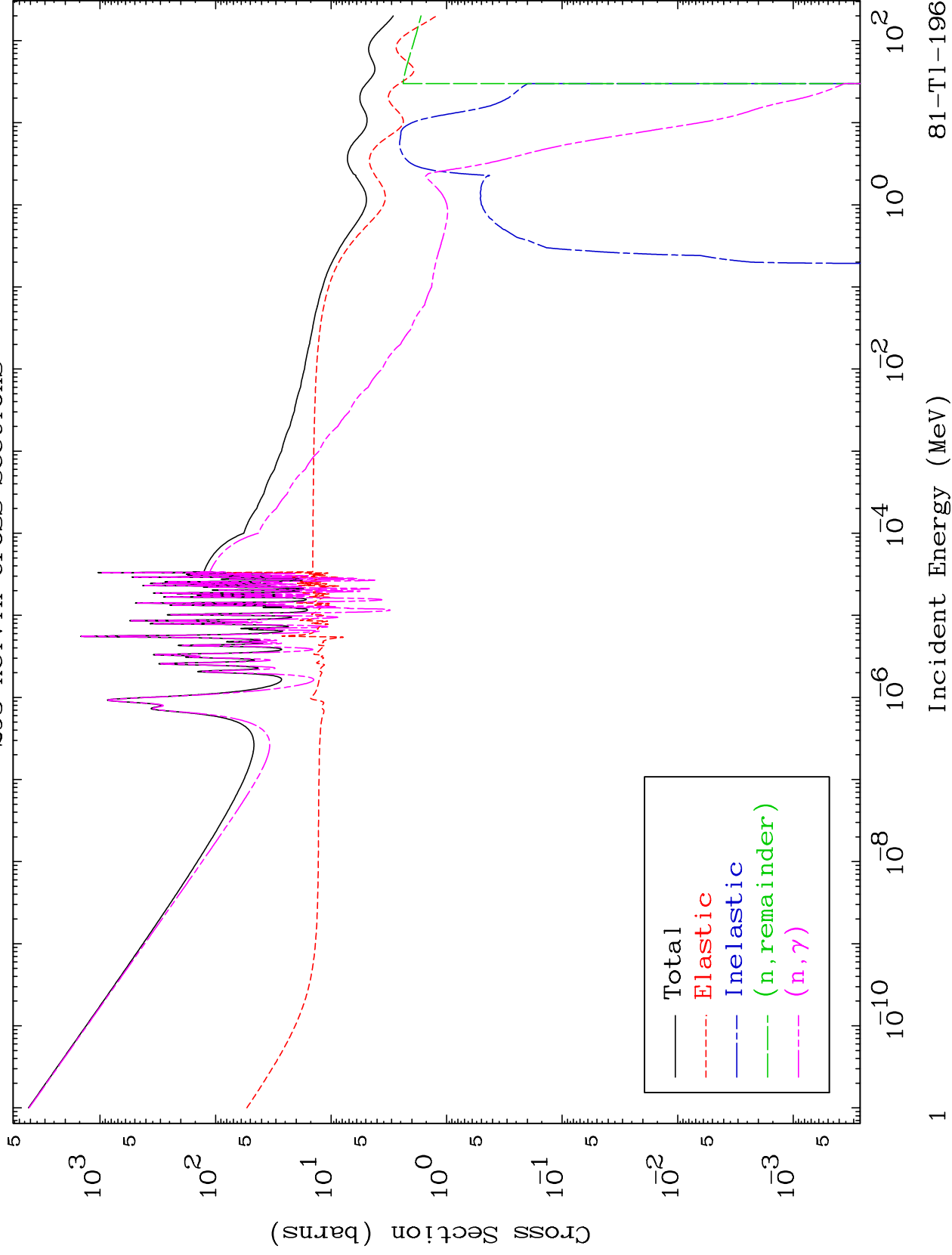
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8104

Major
293 Kelvin Cross Sections

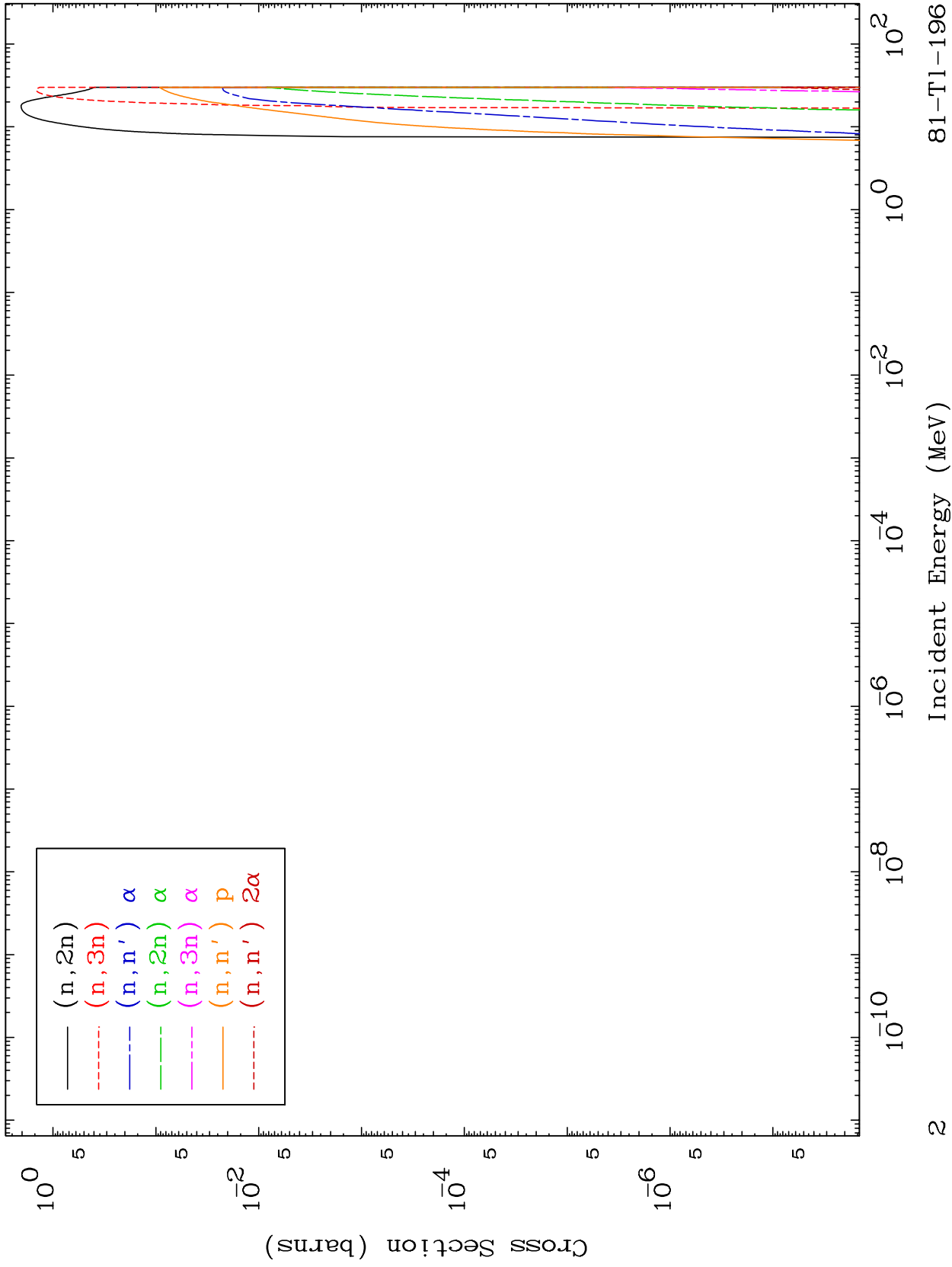
81-Tl-196

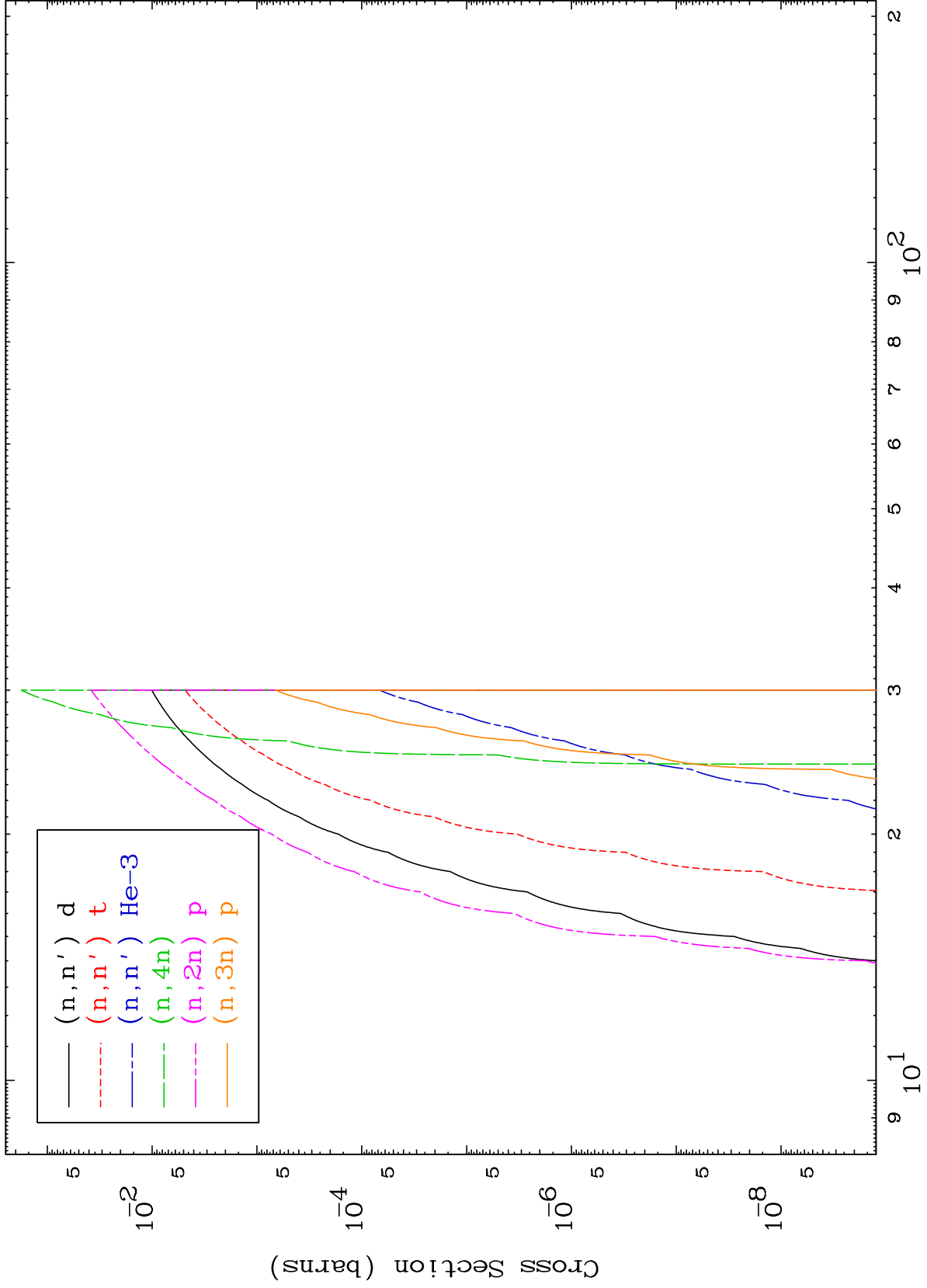


MAT 8104

Neutron Production
293 Kelvin Cross Sections

81-Tl-196

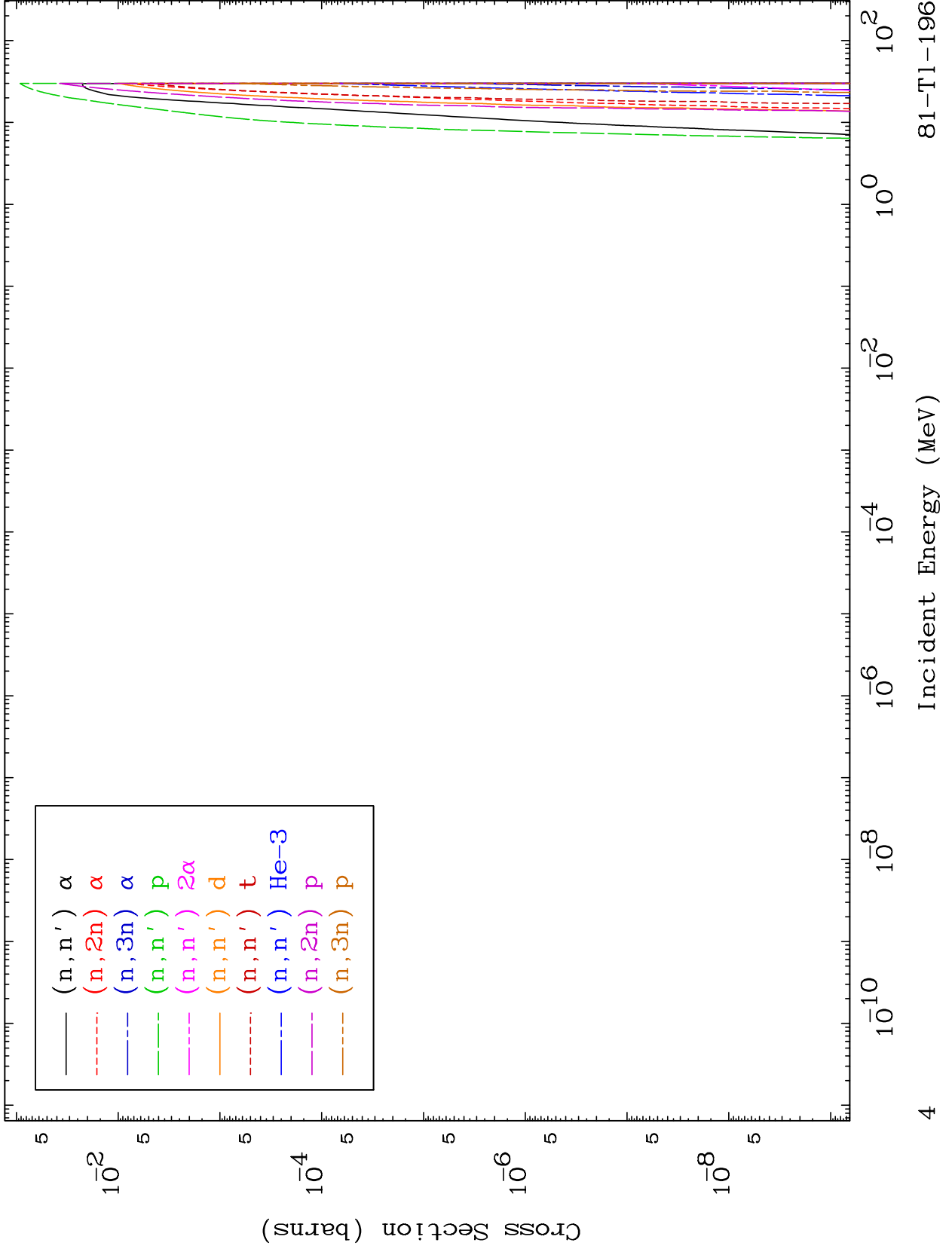




MAT 8104

Charged Particle
293 Kelvin Cross Sections

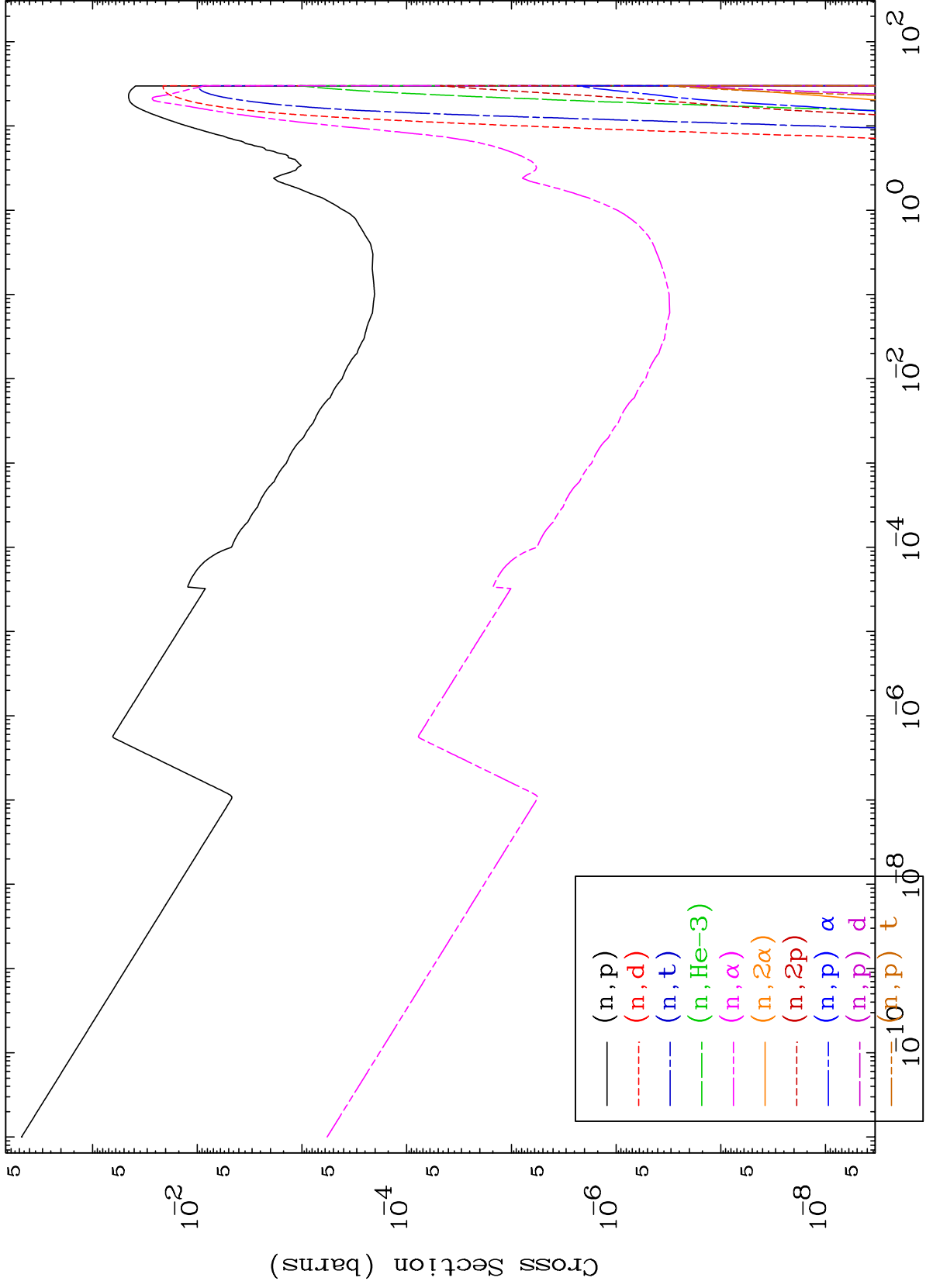
81-Tl-196



MAT 8104

Charged Particle
293 Kelvin Cross Sections

81-Tl-196

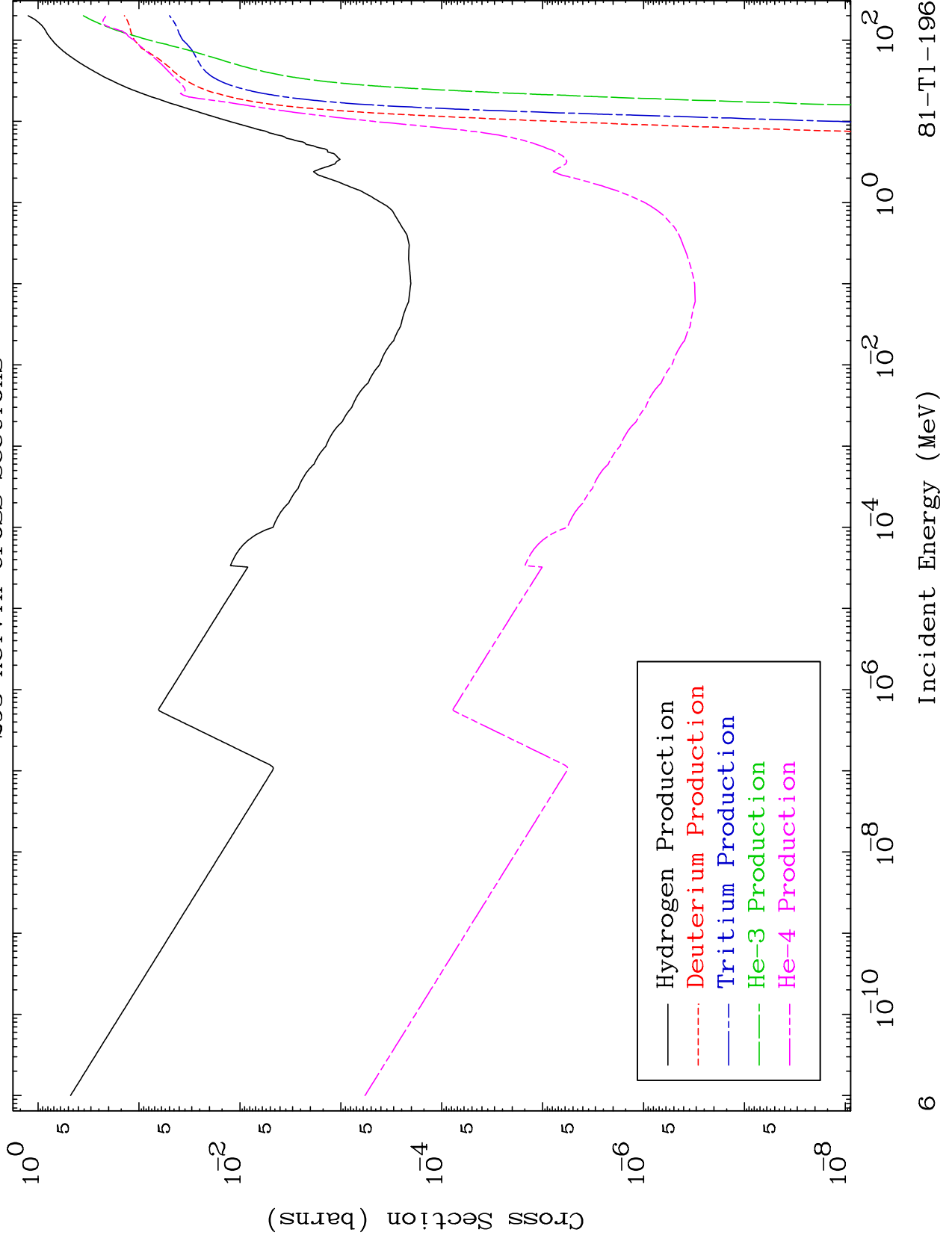


5

MAT 8104

Particle Production
293 Kelvin Cross Sections

81-T1-196

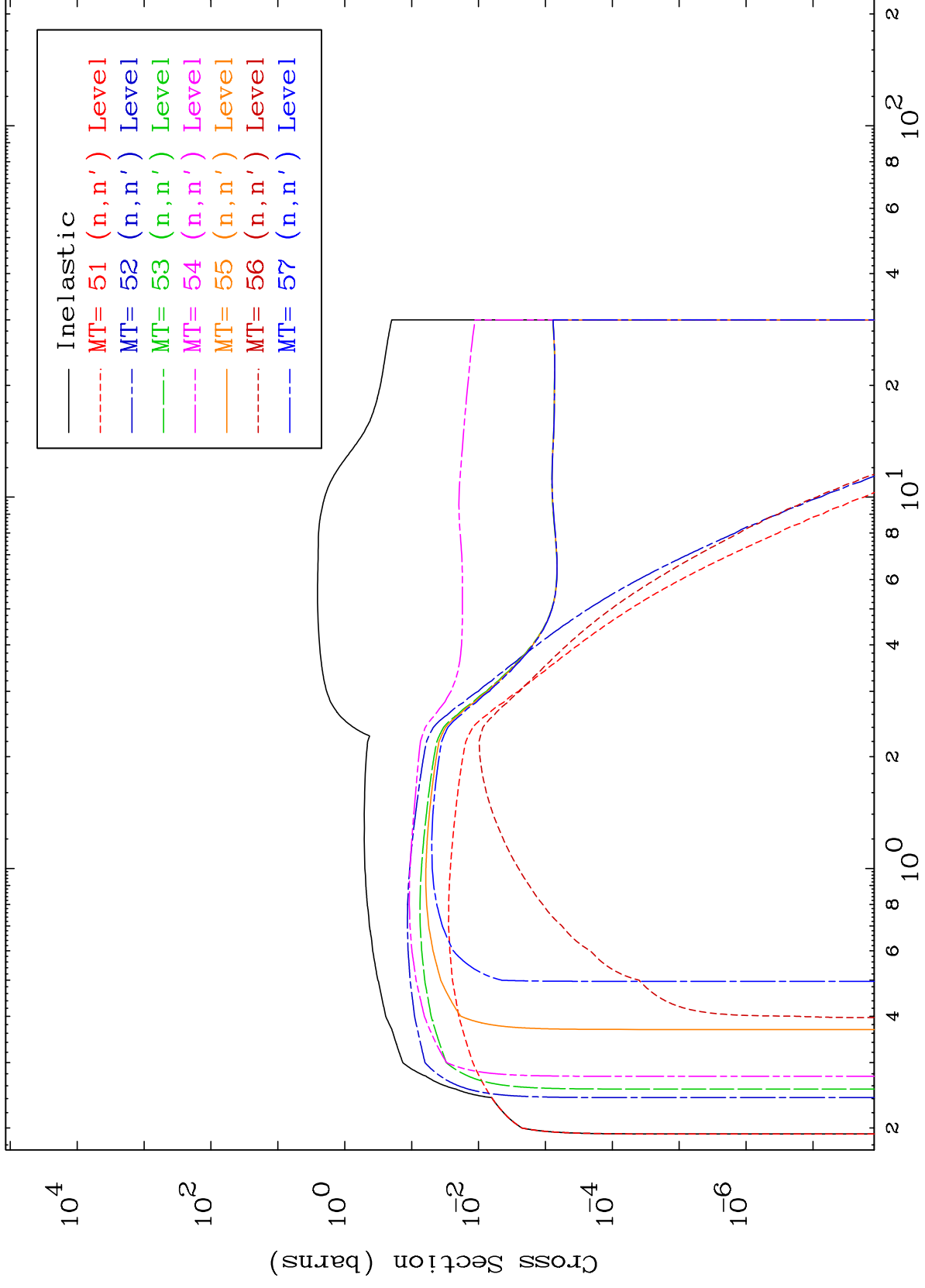


MAT 8104

(n,n') Level

81-Tl-196

293 Kelvin Cross Sections

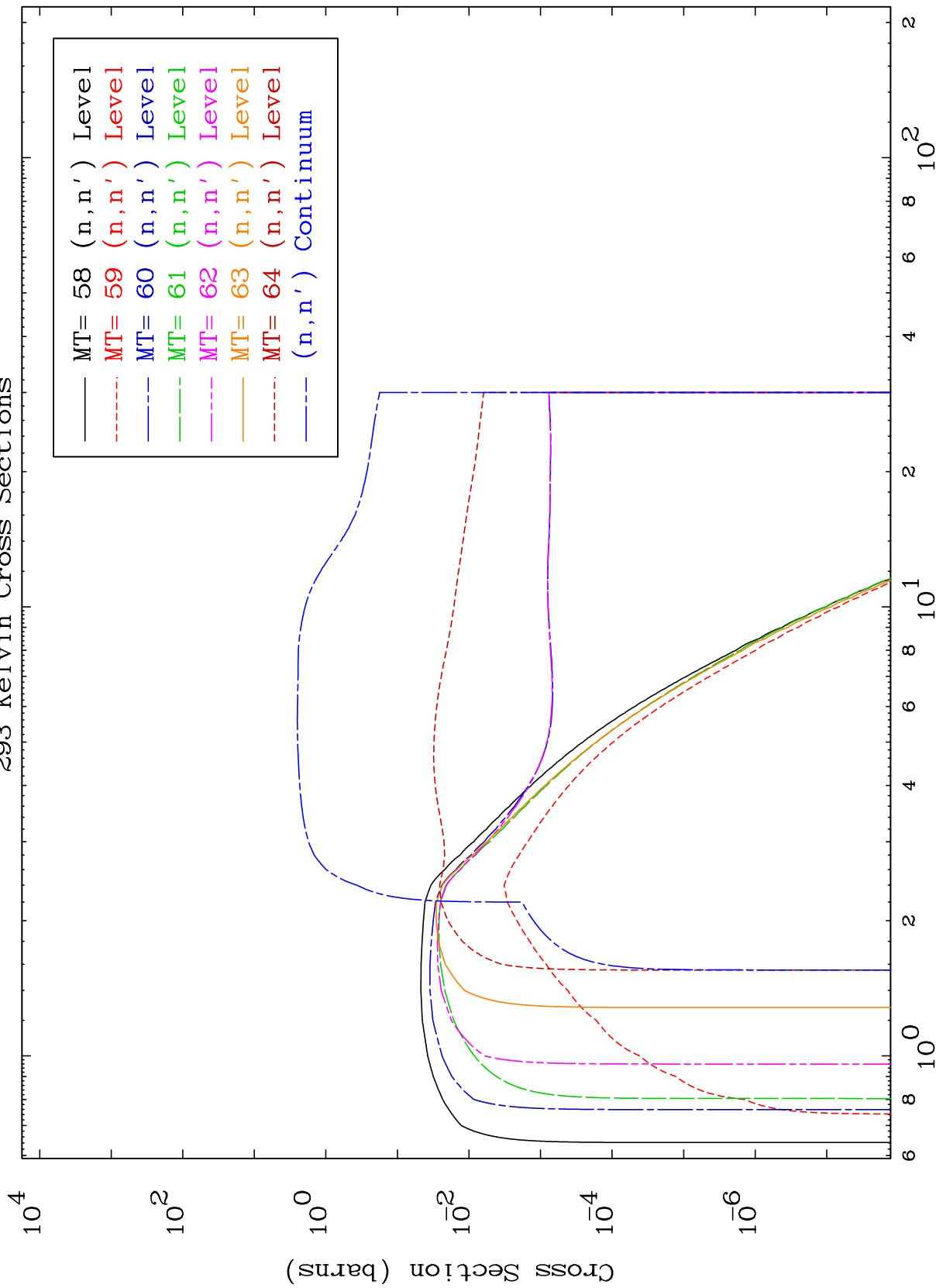


MAT 8104

(n,n') Level

81-Tl-196

293 Kelvin Cross Sections



Incident Energy (MeV)

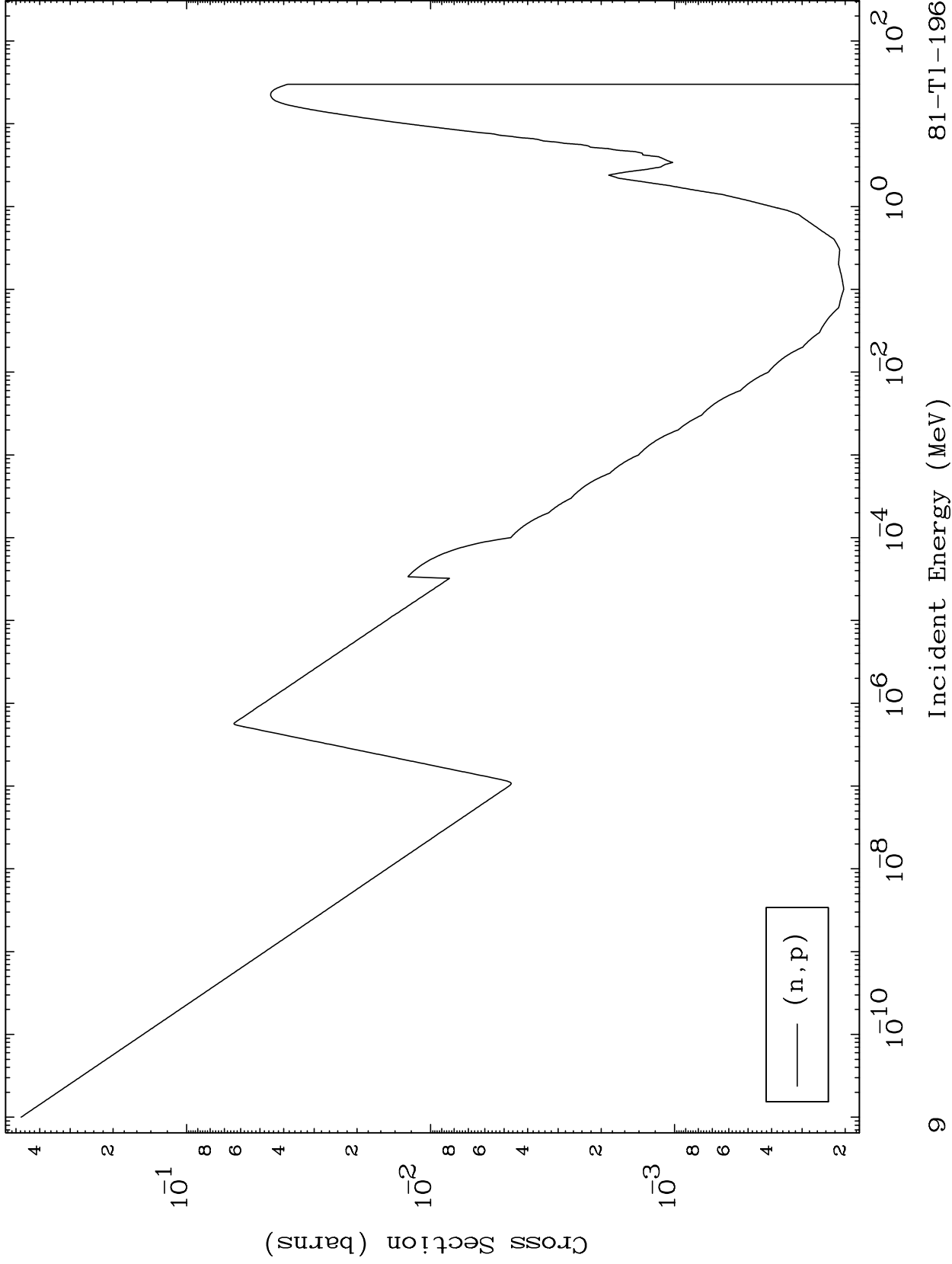
81-Tl-196

8

MAT 8104

(n,p) Levels
293 Kelvin Cross Sections

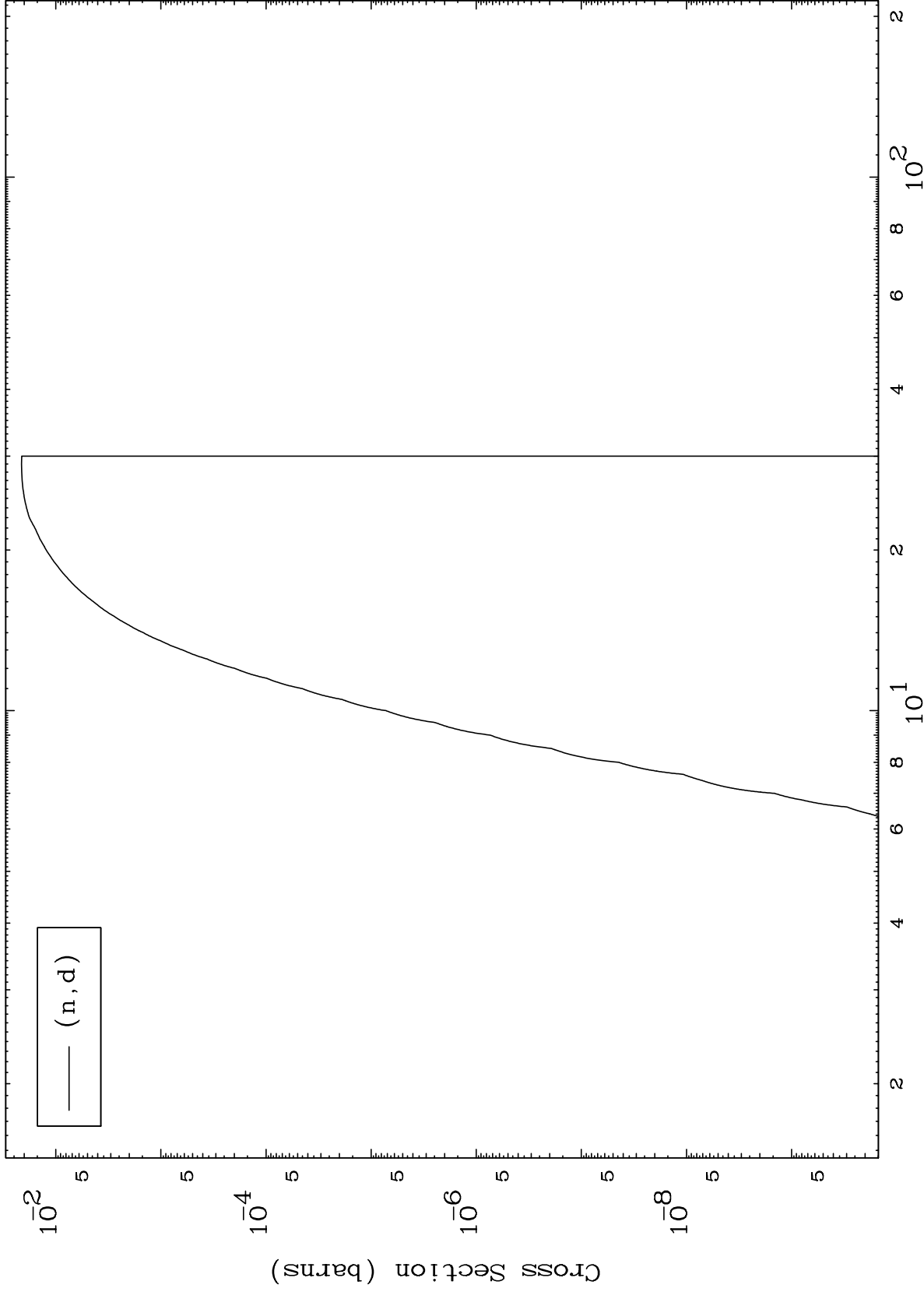
81-Tl-196



MAT 8104

(n,d) Levels
293 Kelvin Cross Sections

81-Tl-196



10

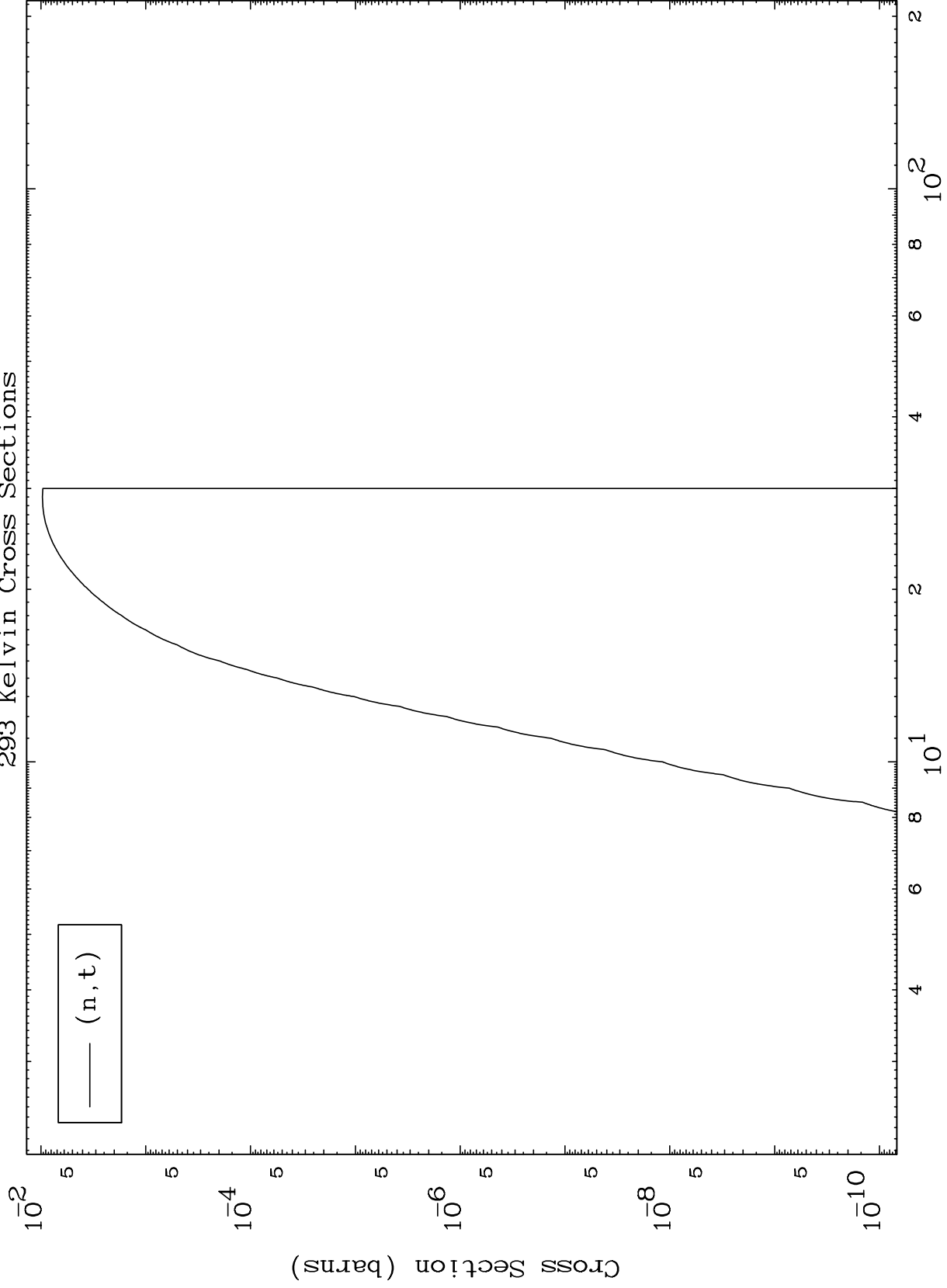
Incident Energy (MeV)

81-Tl-196

MAT 8104

(n,t) Levels
293 Kelvin Cross Sections

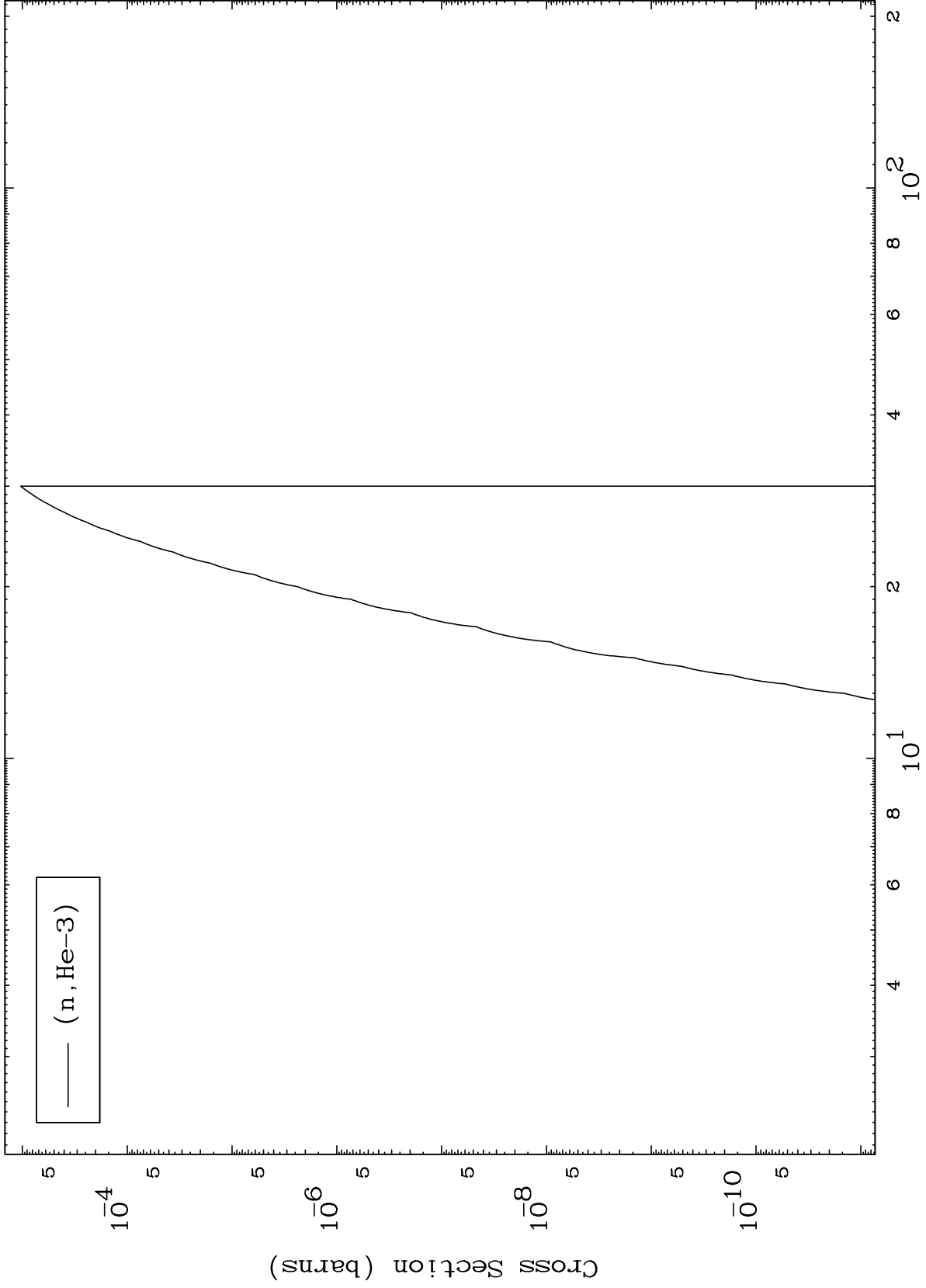
81-T1-196



MAT 8104

(n,He3) Levels
293 Kelvin Cross Sections

81-T1-196



12

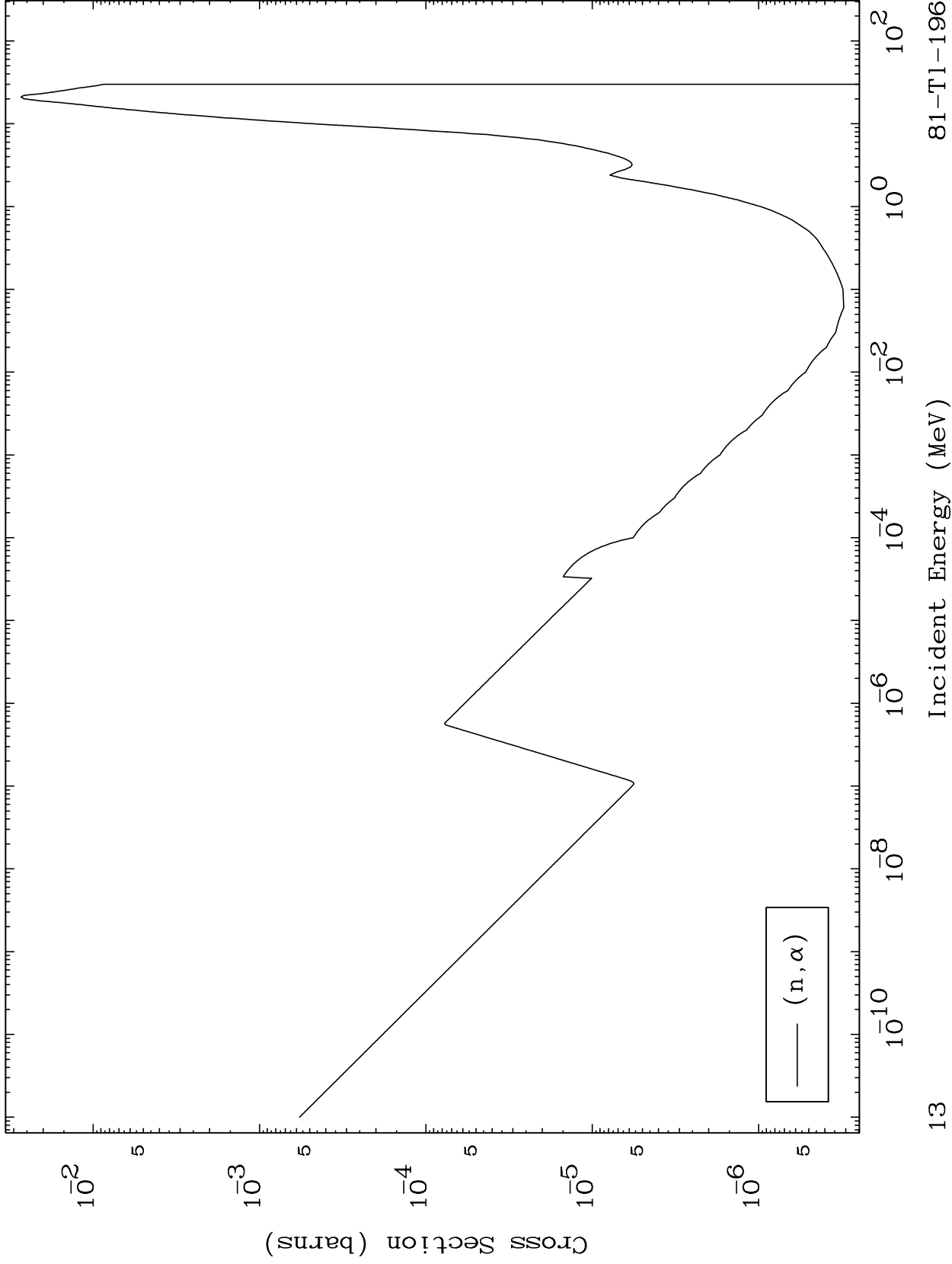
Incident Energy (MeV)

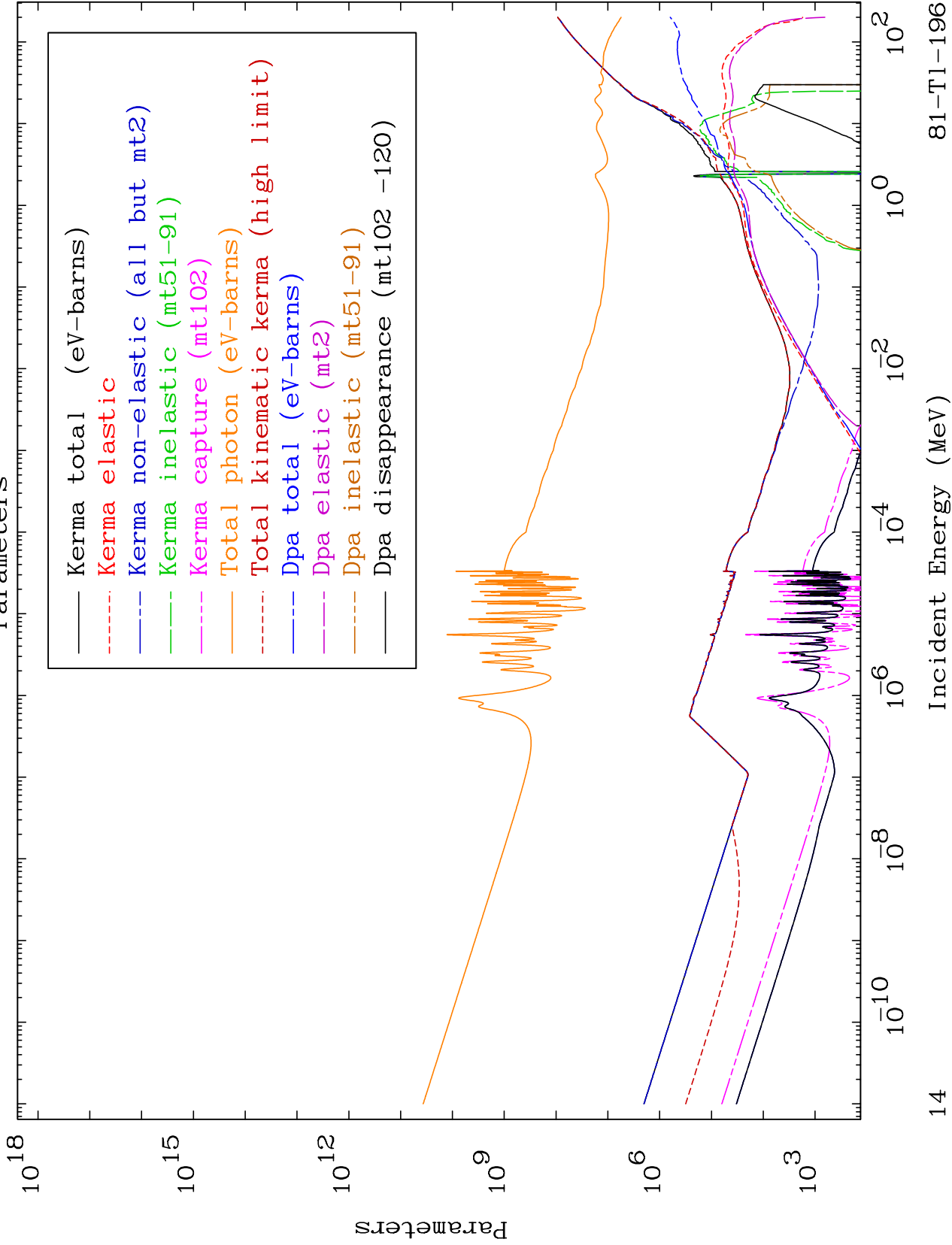
81-T1-196

MAT 8104

(n,α) Levels
293 Kelvin Cross Sections

81-Tl-196

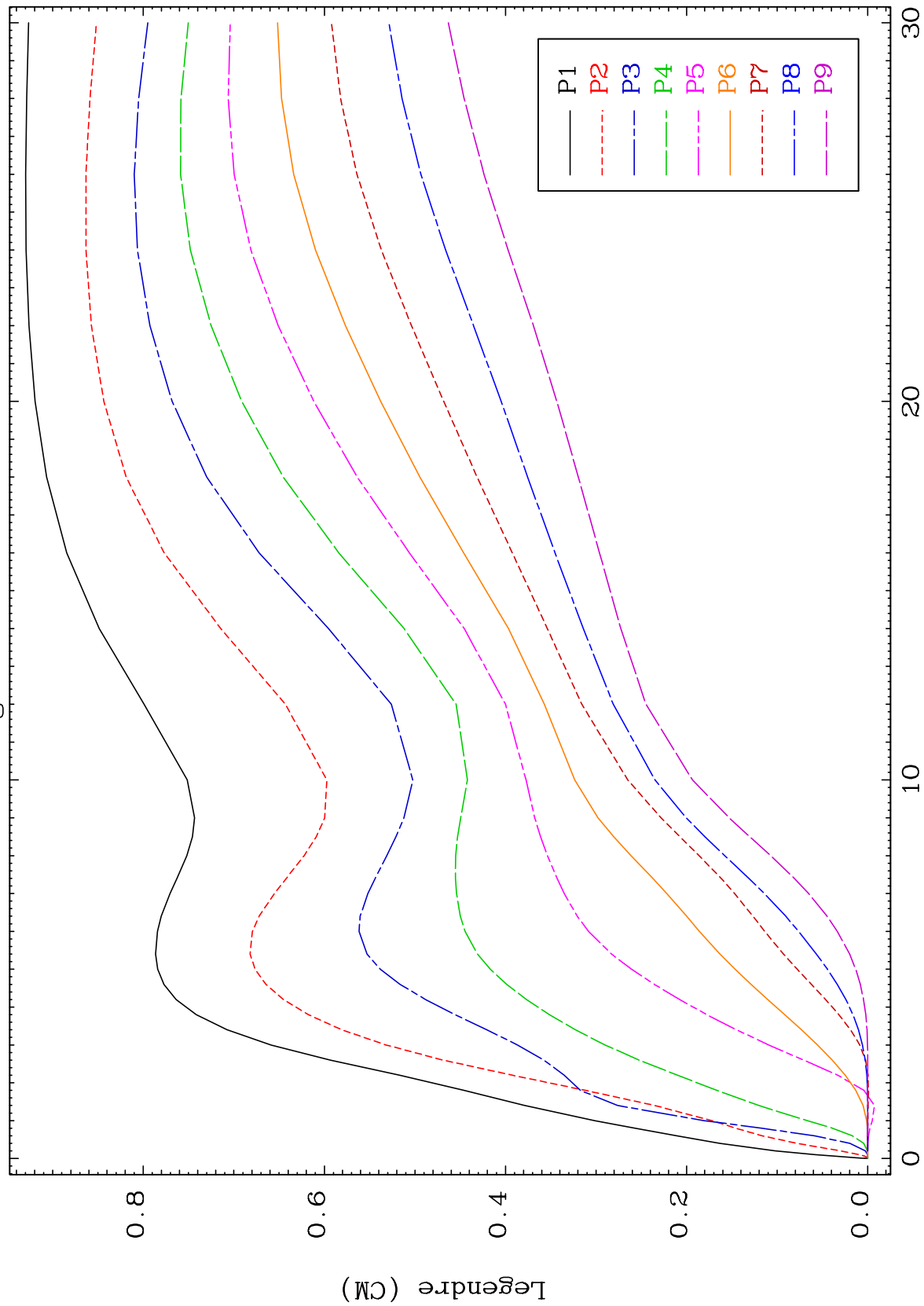




MAT 8104

Elastic Legendre Coefficients

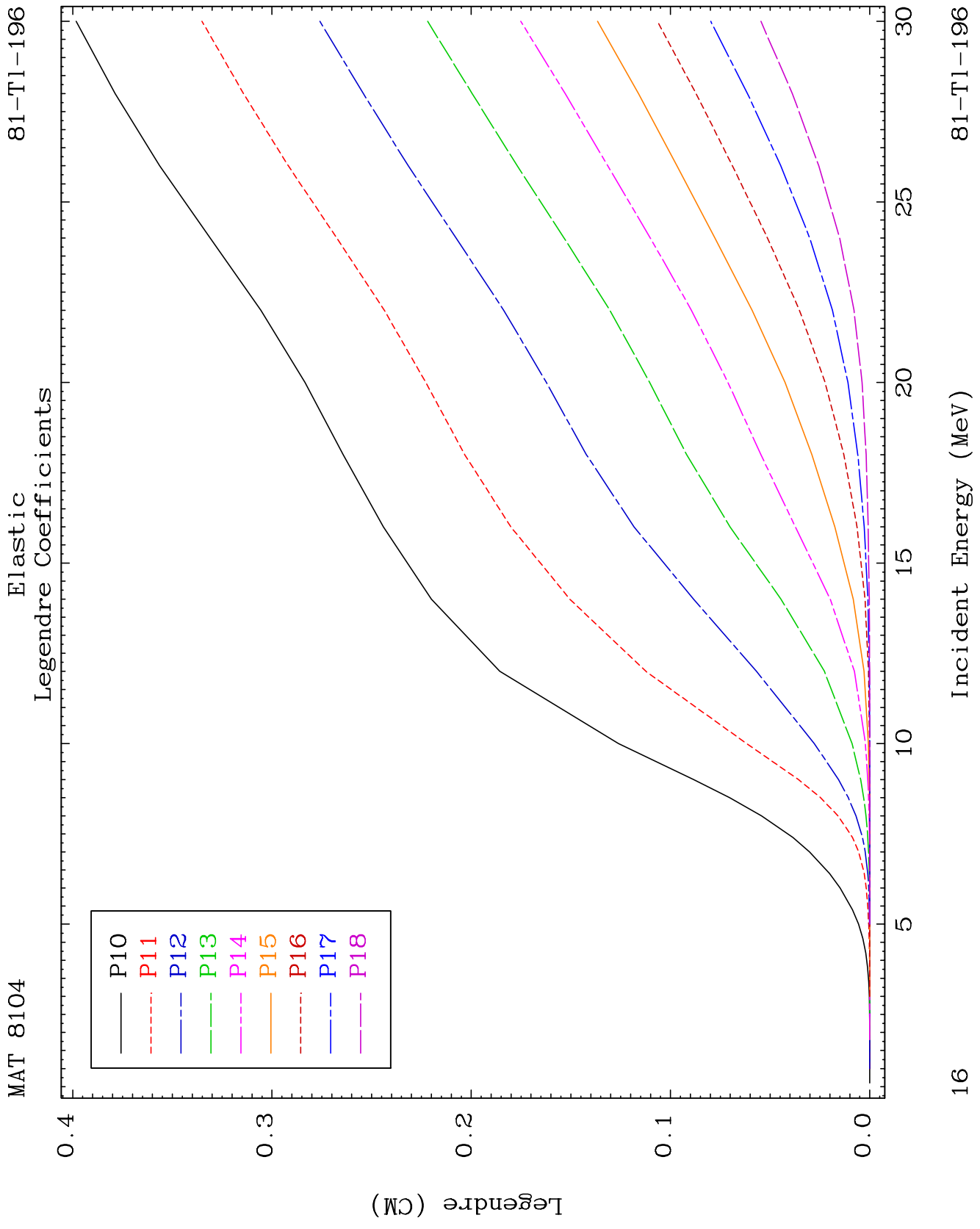
81-Tl-196



15

Incident Energy (MeV)

81-Tl-196



MAT 8104

Elastic Legendre Coefficients

81-Tl-196

16

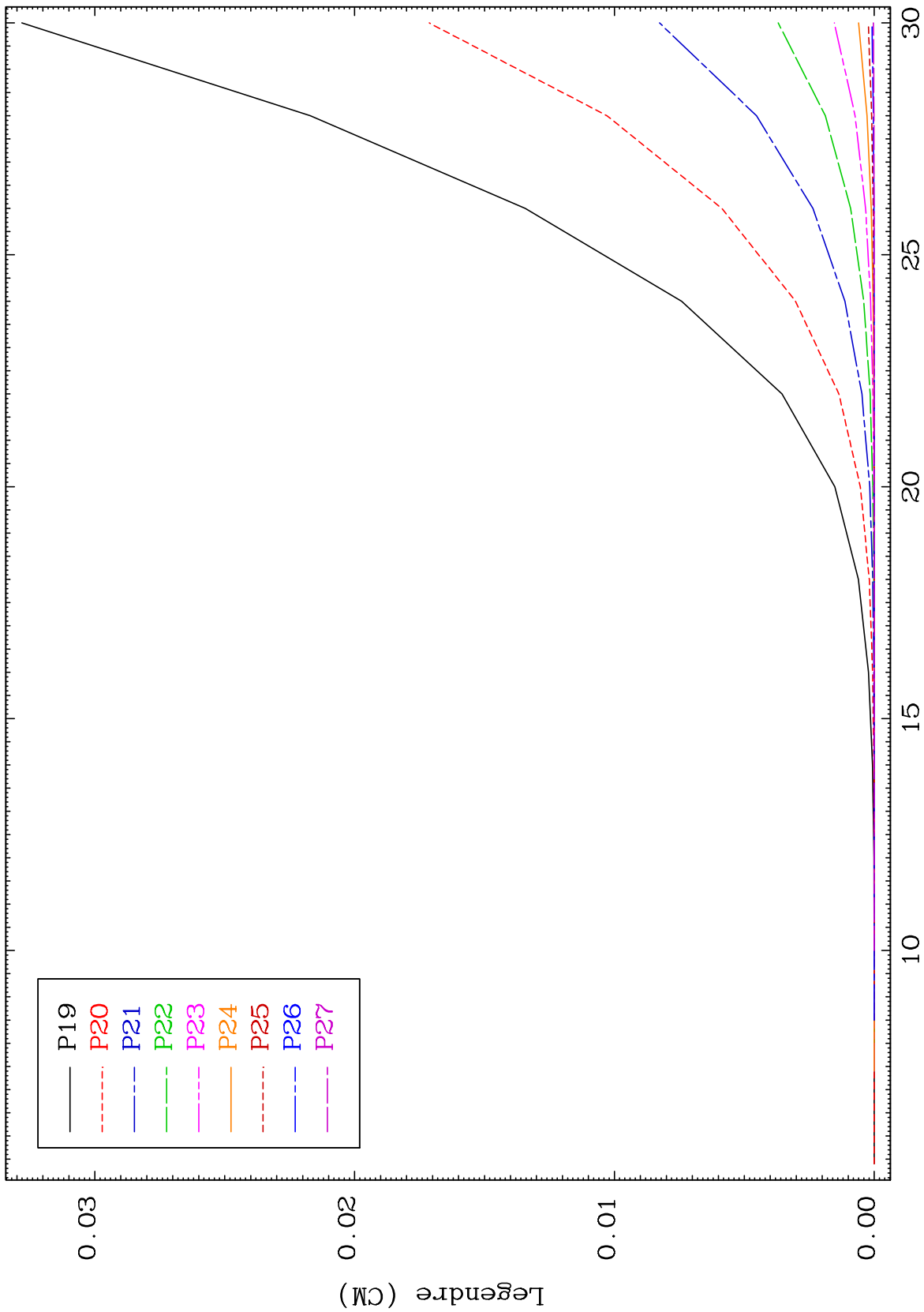
Incident Energy (MeV)

81-Tl-196

MAT 8104

Elastic Legendre Coefficients

81-T1-196



17

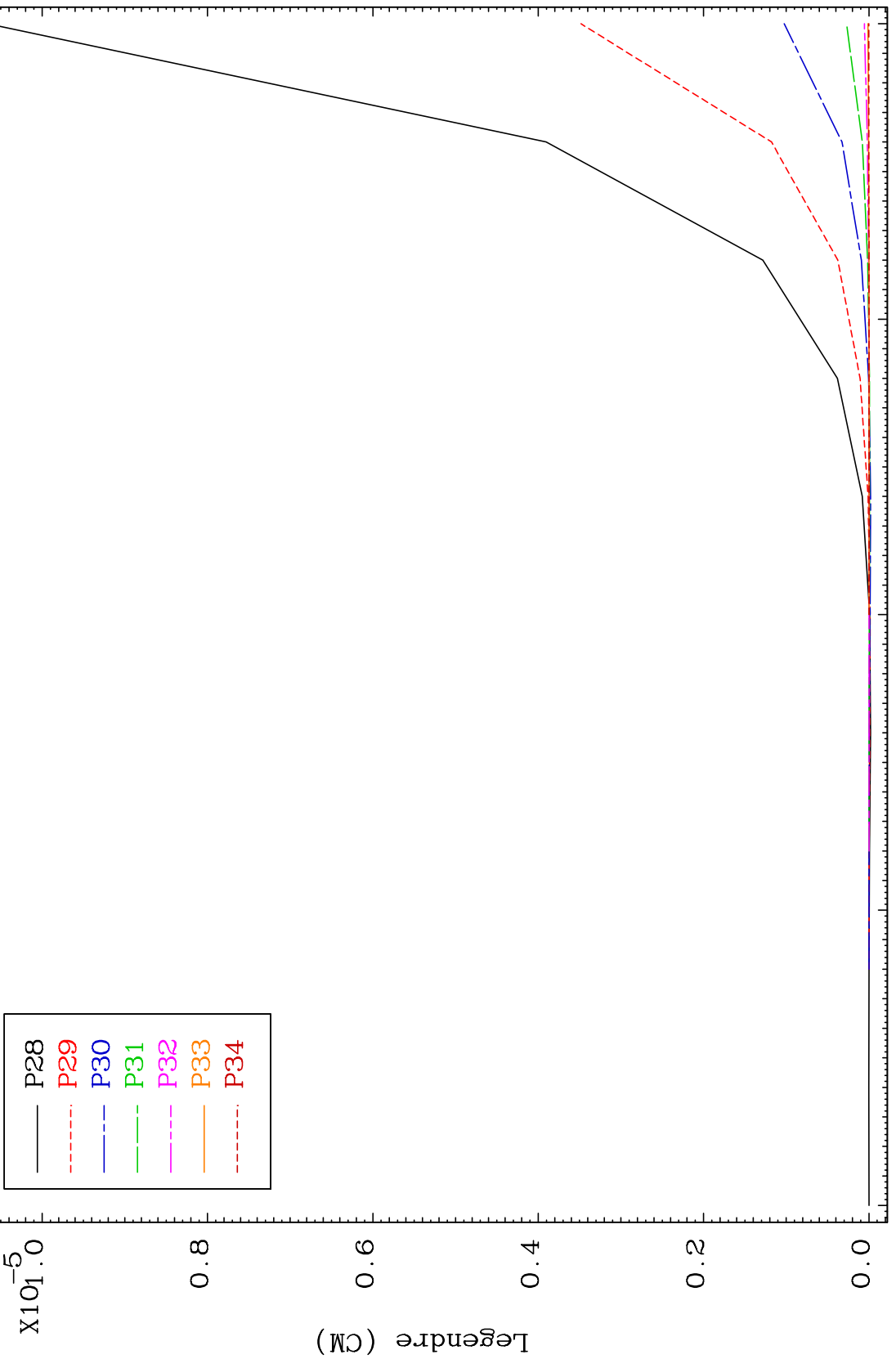
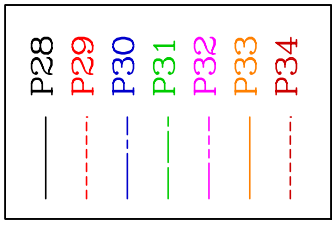
Incident Energy (MeV)

81-T1-196

MAT 8104

Elastic Legendre Coefficients

81-T1-196



18

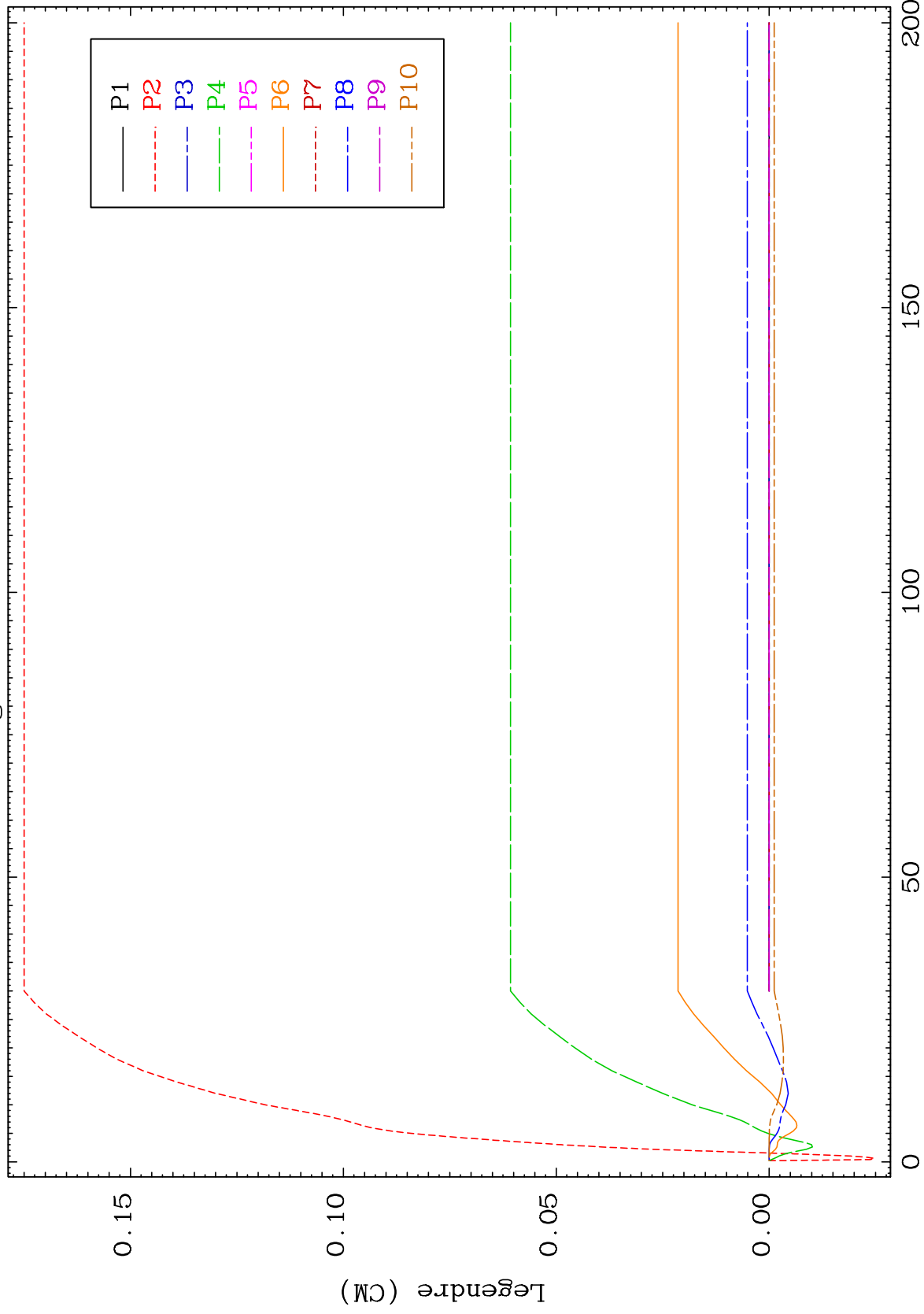
Incident Energy (MeV)

81-T1-196

MAT 8104

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

81-Tl-196



19

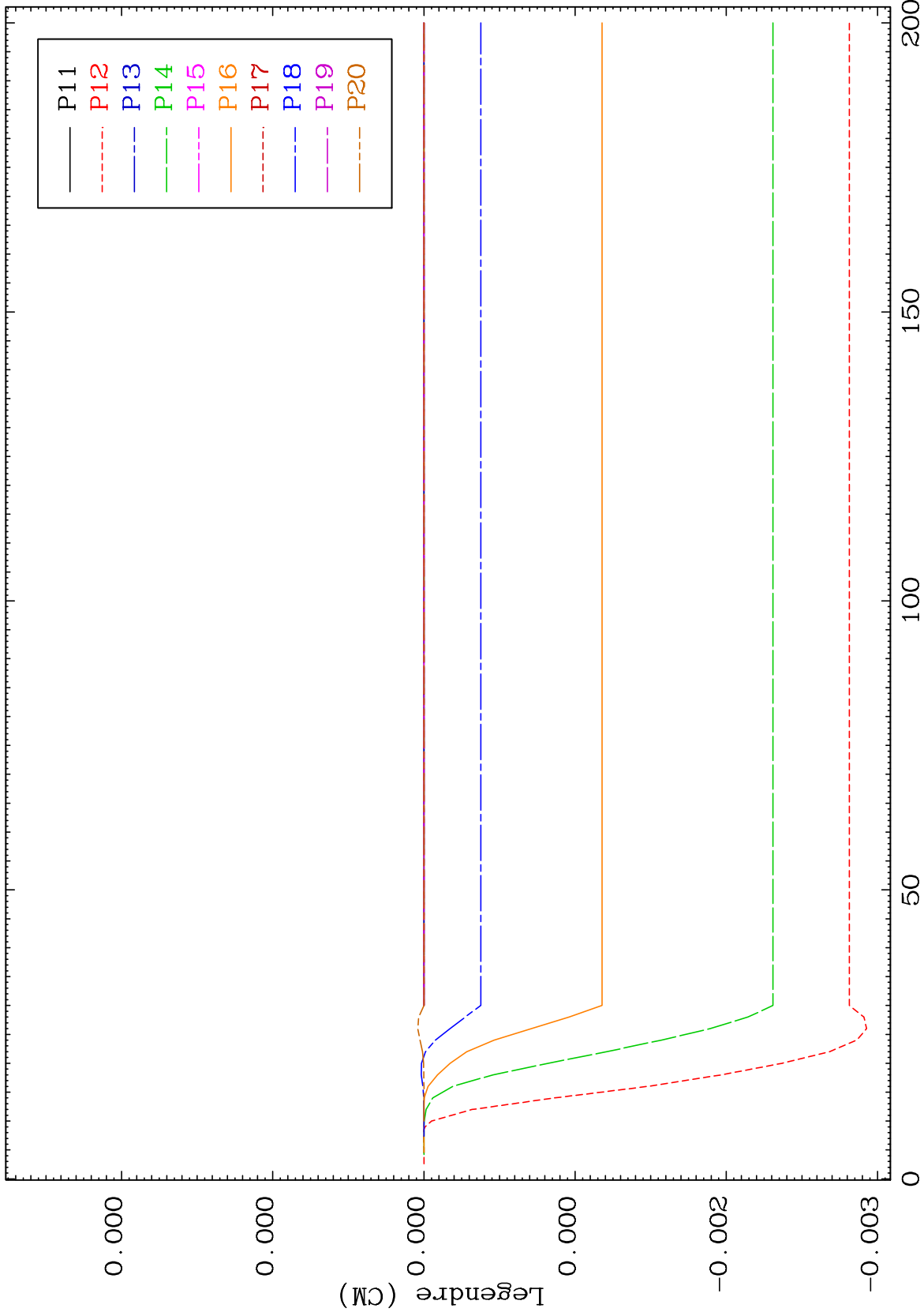
Incident Energy (MeV)

81-Tl-196

MAT 8104

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

81-T1-196



20

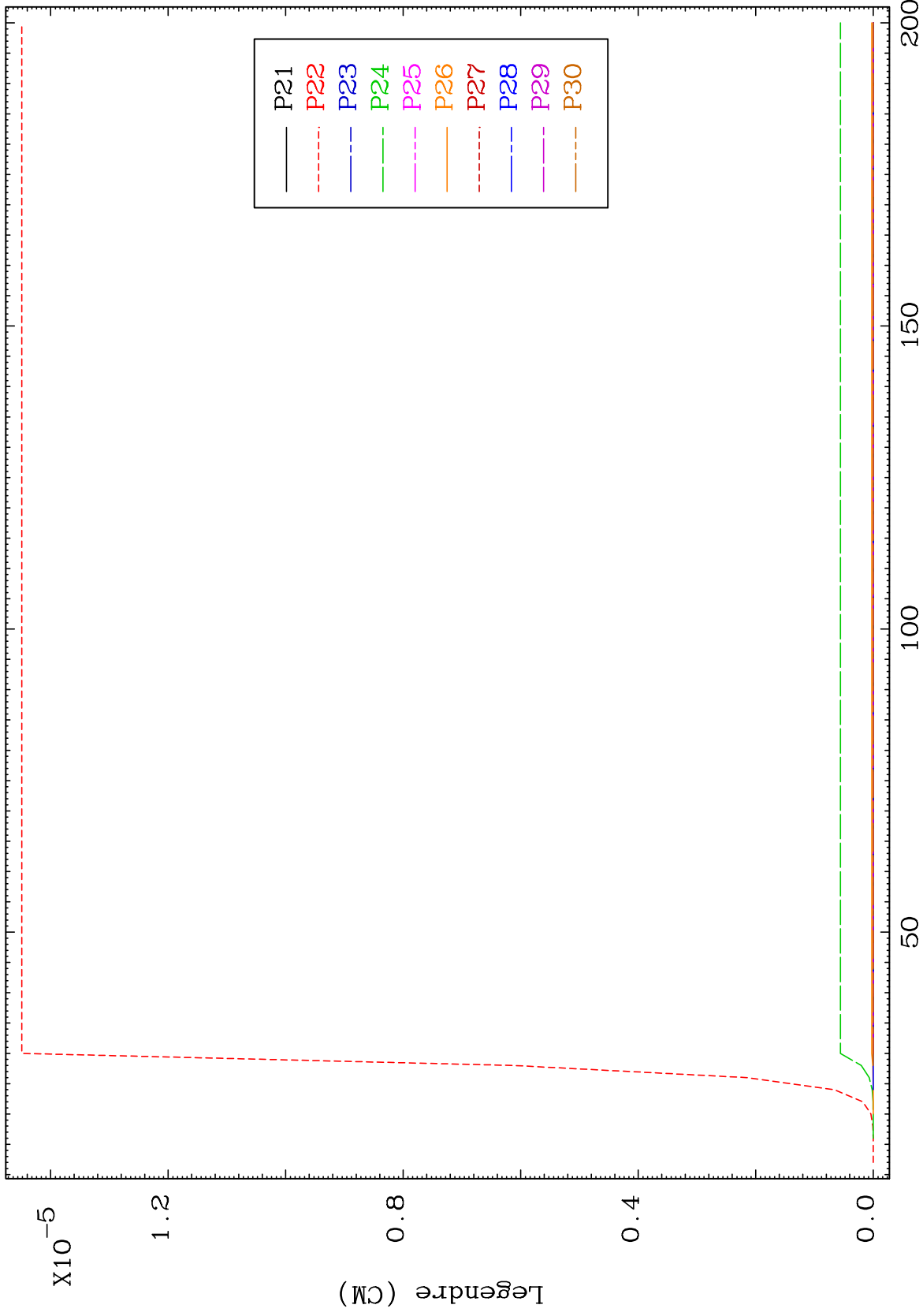
Incident Energy (MeV)

81-T1-196

MAT 8104

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

81-T1-196



21

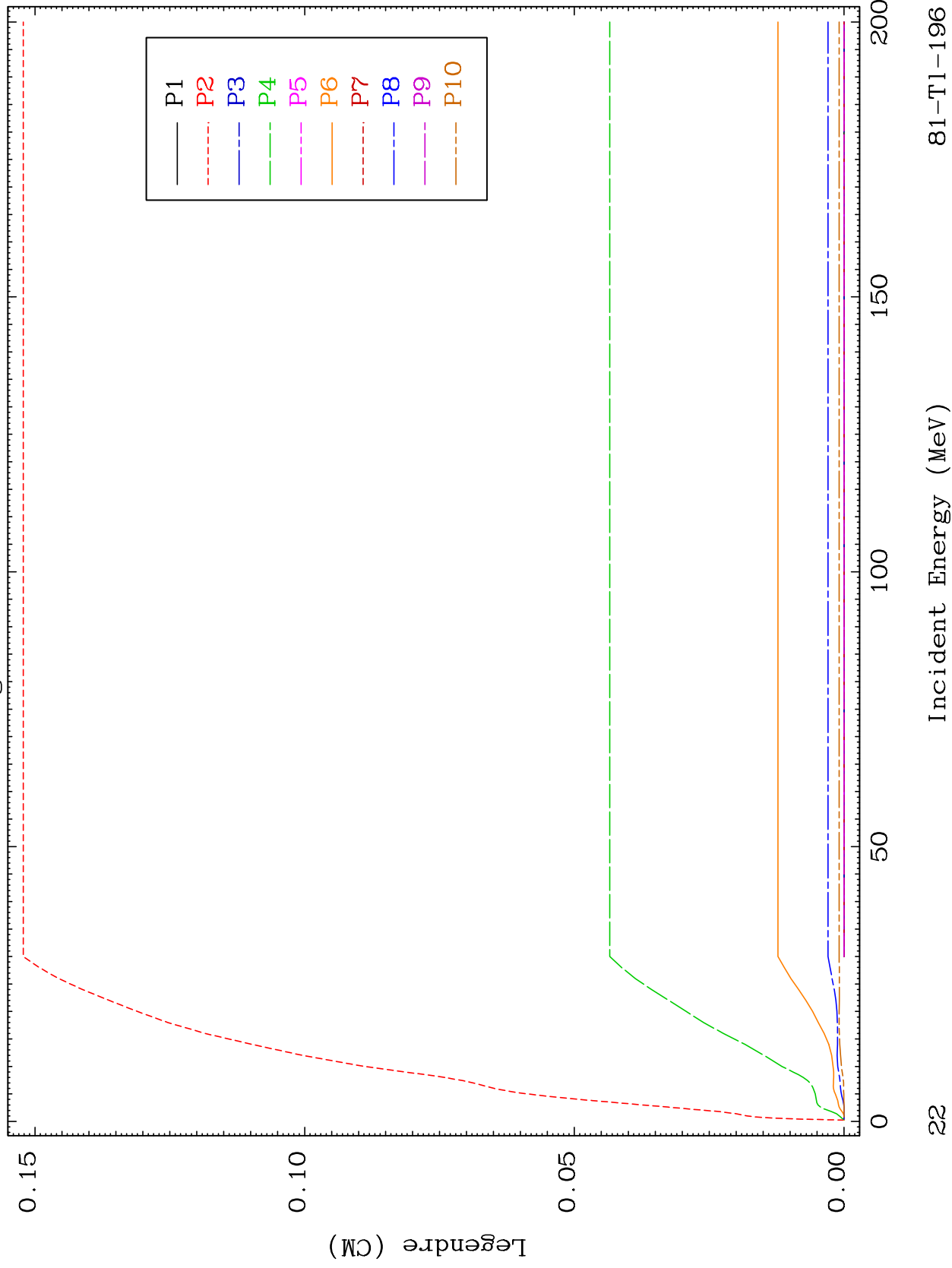
Incident Energy (MeV)

81-T1-196

MAT 8104

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

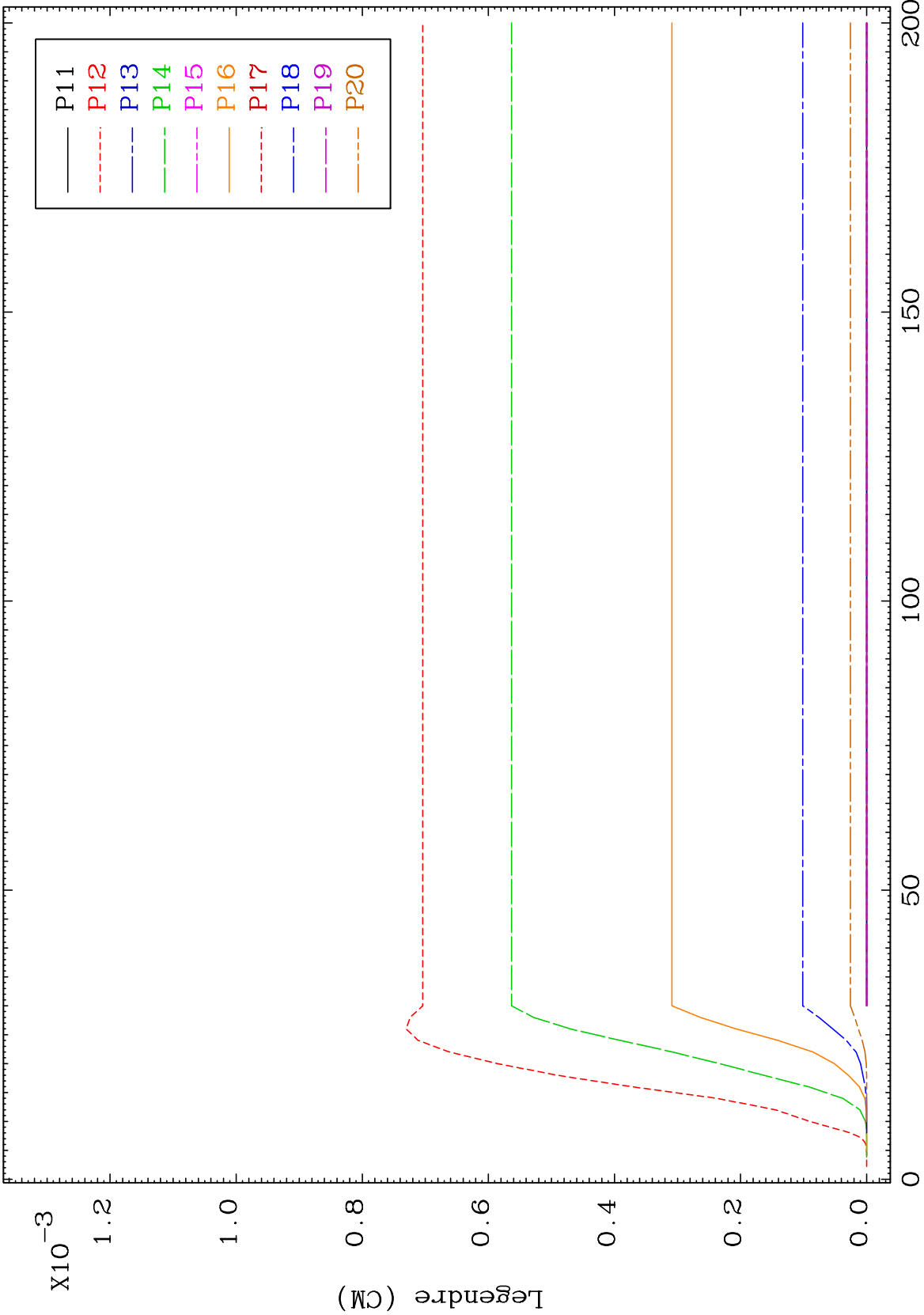
81-Tl-196



81-Tl-196

Incident Energy (MeV)

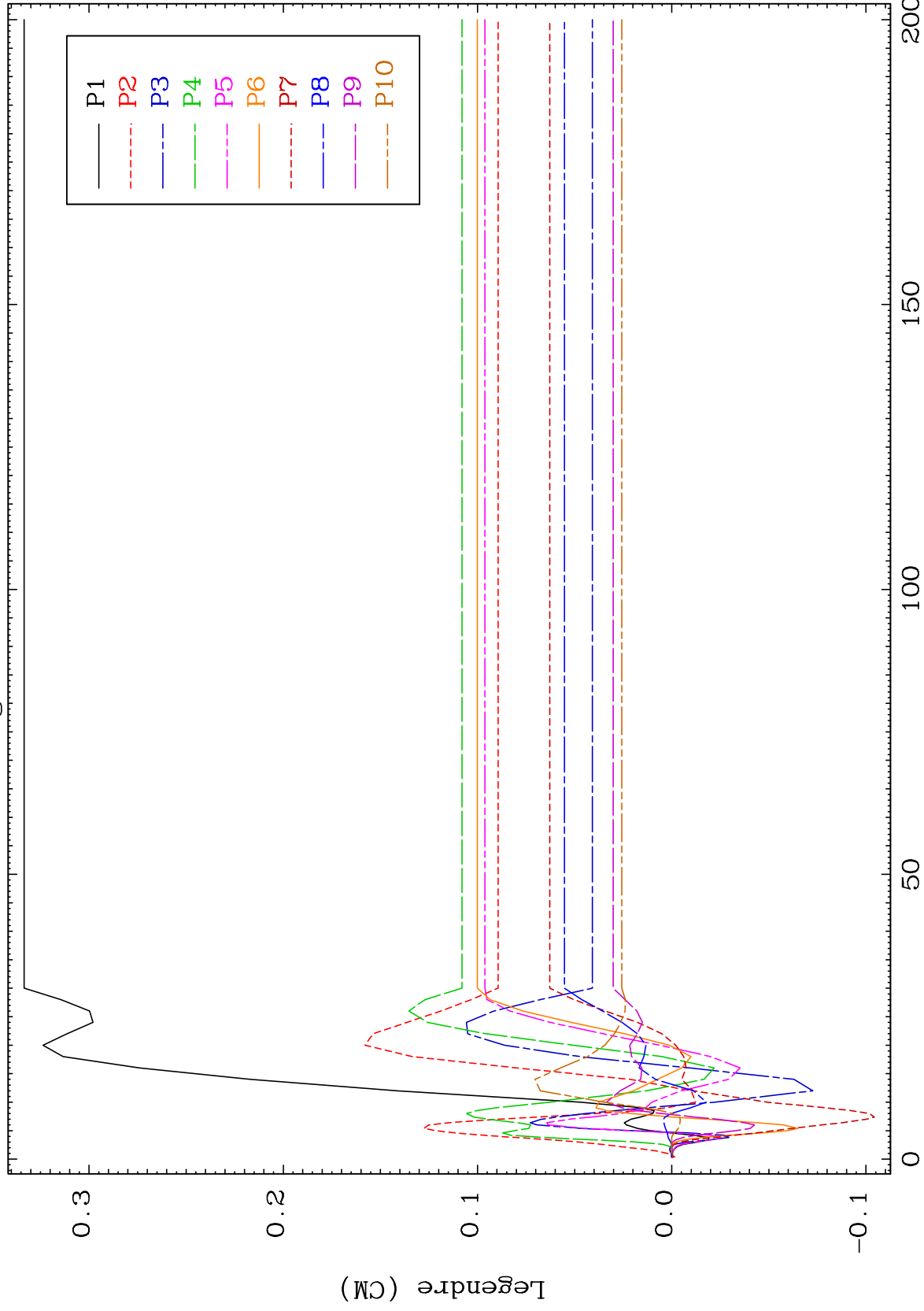
22



MAT 8104

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

81-Tl-196



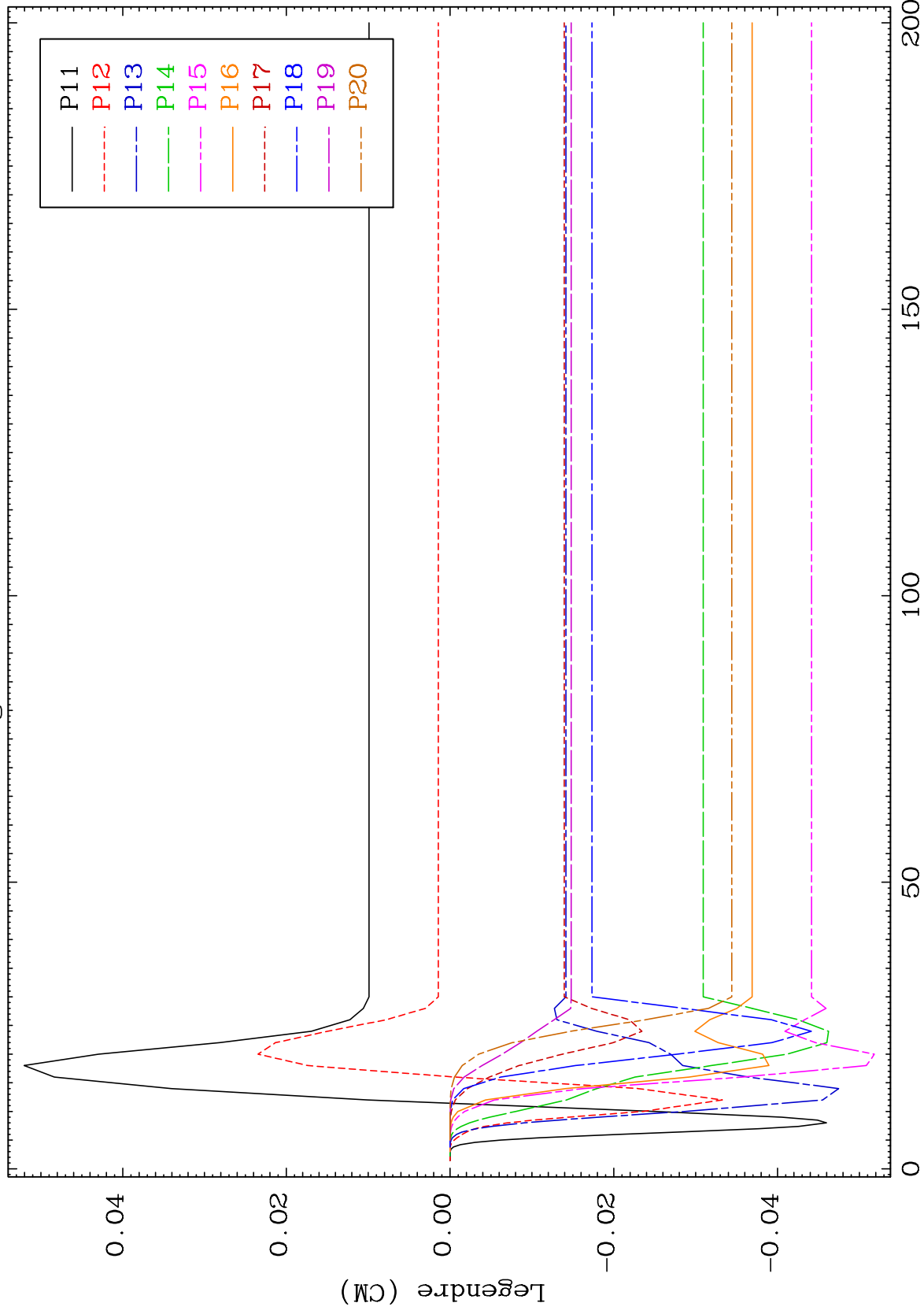
Incident Energy (MeV)

81-Tl-196

MAT 8104

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

81-T1-196



26

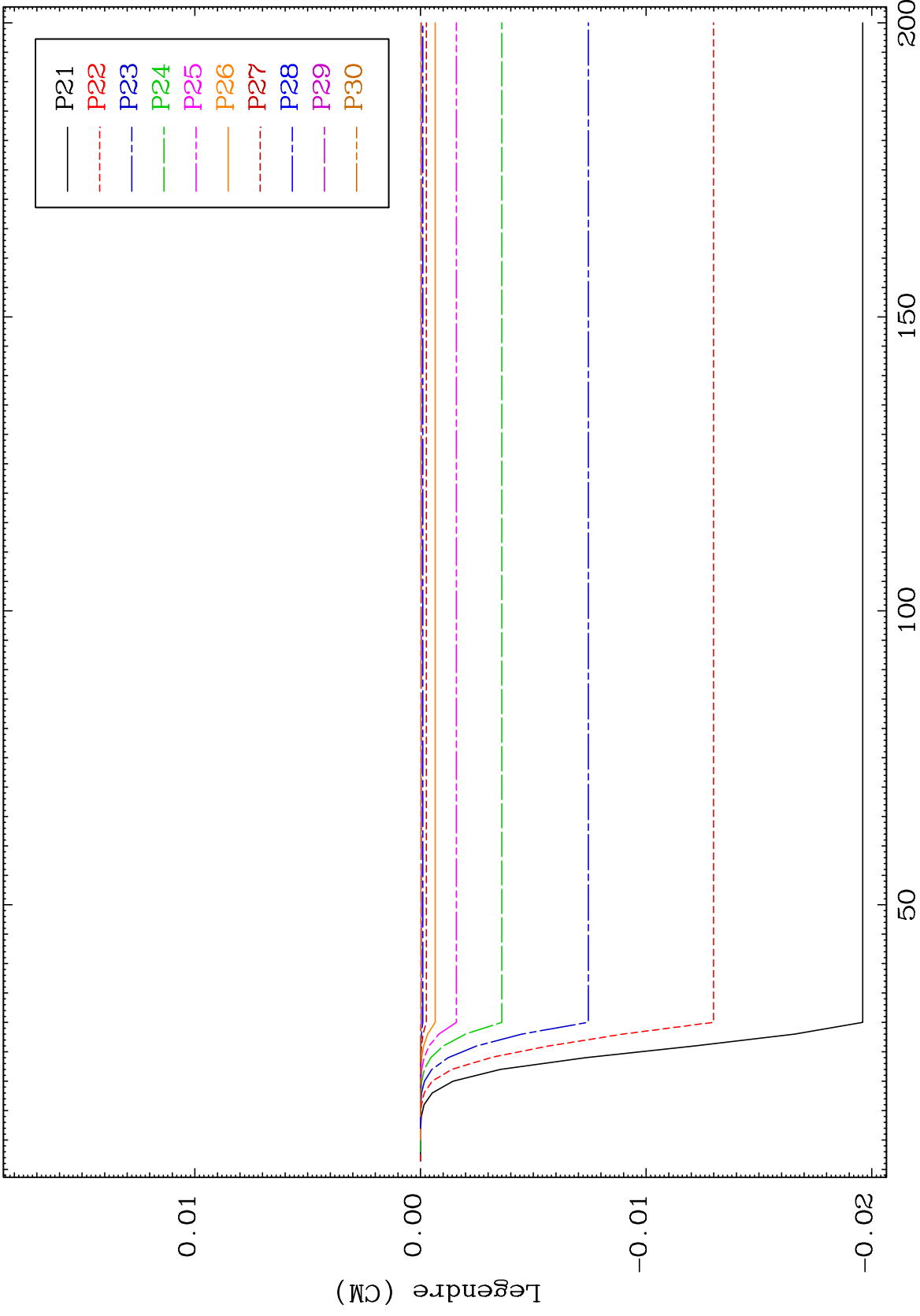
Incident Energy (MeV)

81-T1-196

MAT 8104

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

81-T1-196



27

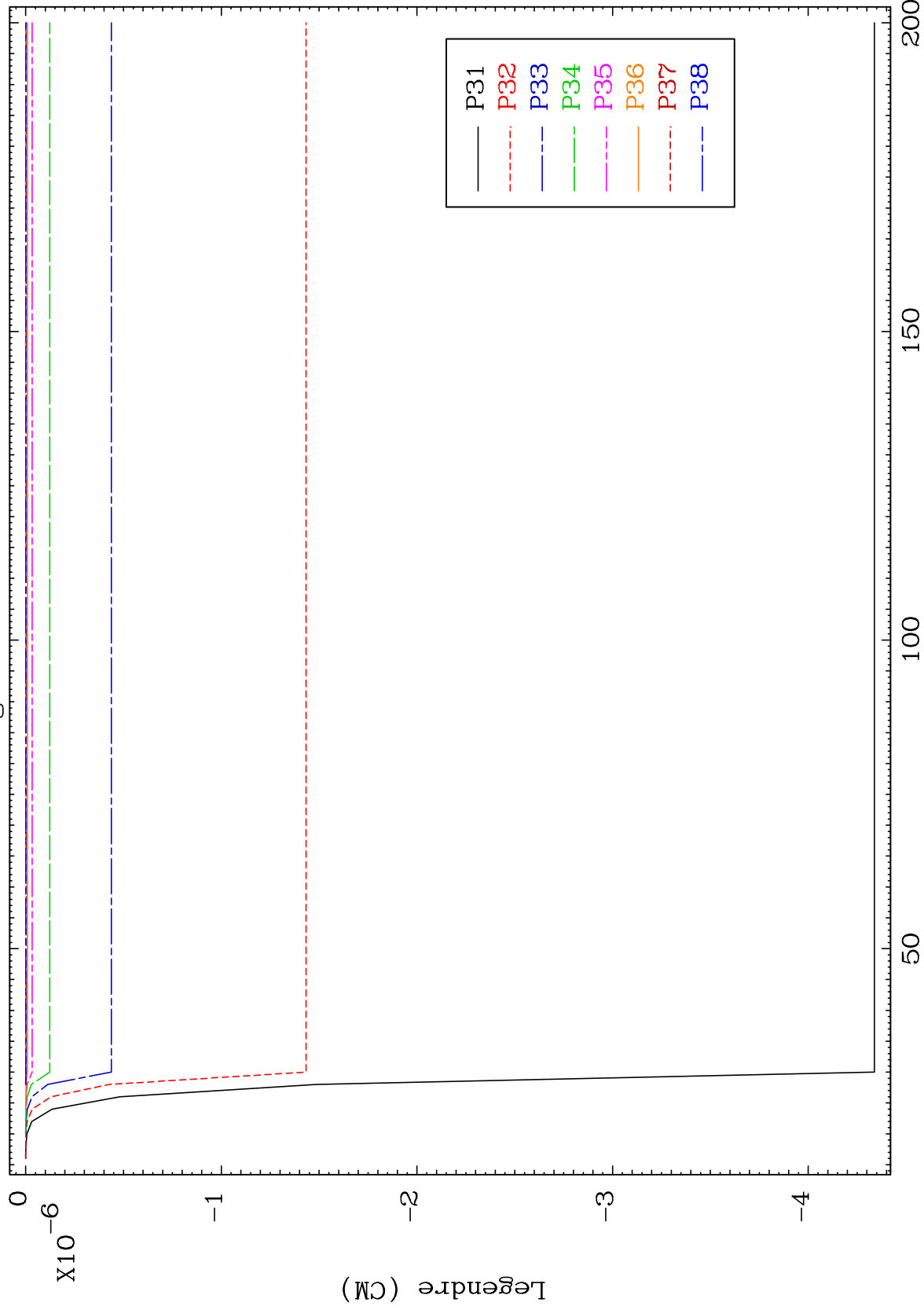
81-T1-196

MAT 8104

MT= 53 (n,n') Level

81-Tl-196

Legendre Coefficients



28

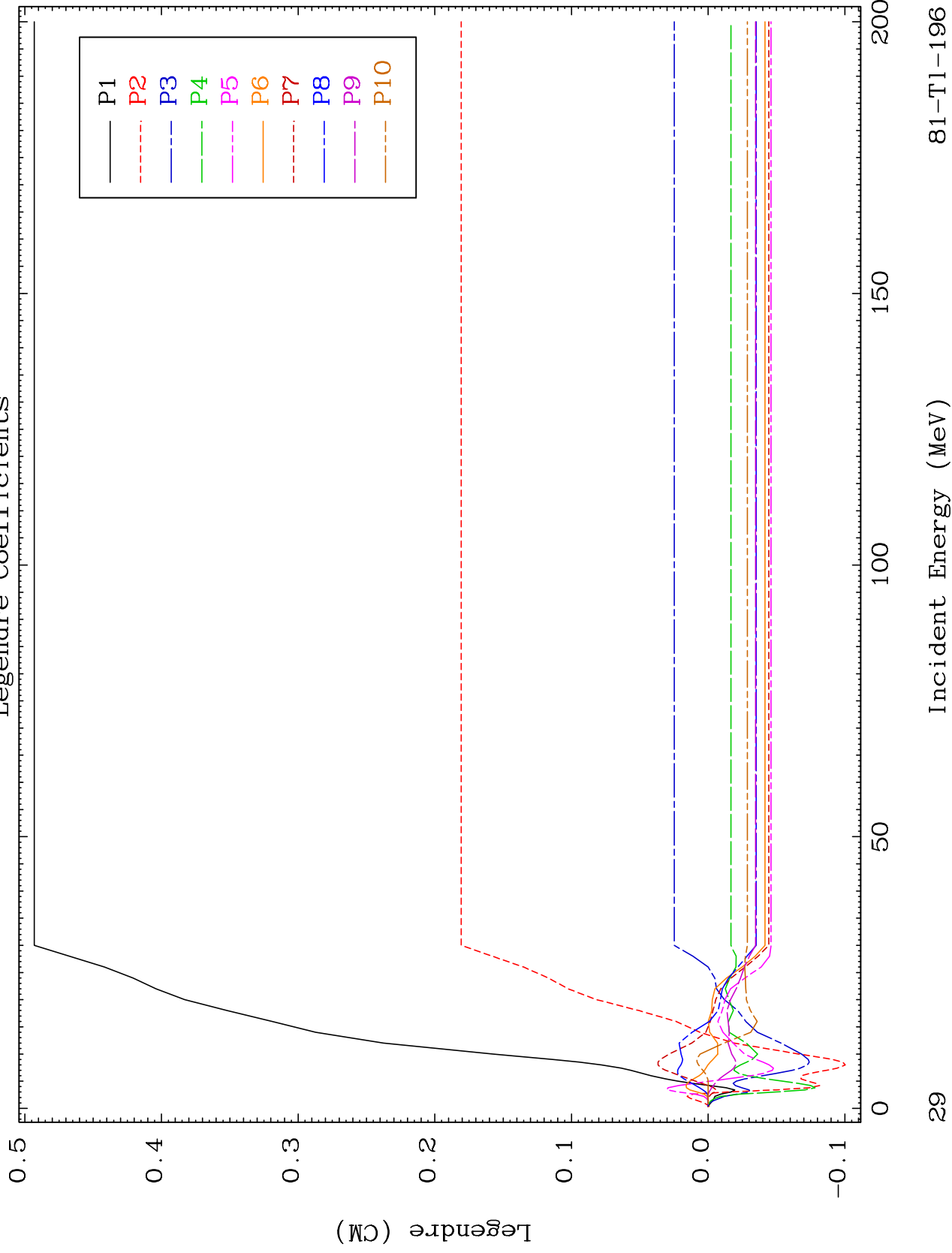
Incident Energy (MeV)

81-Tl-196

MAT 8104

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

81-Tl-196



81-Tl-196

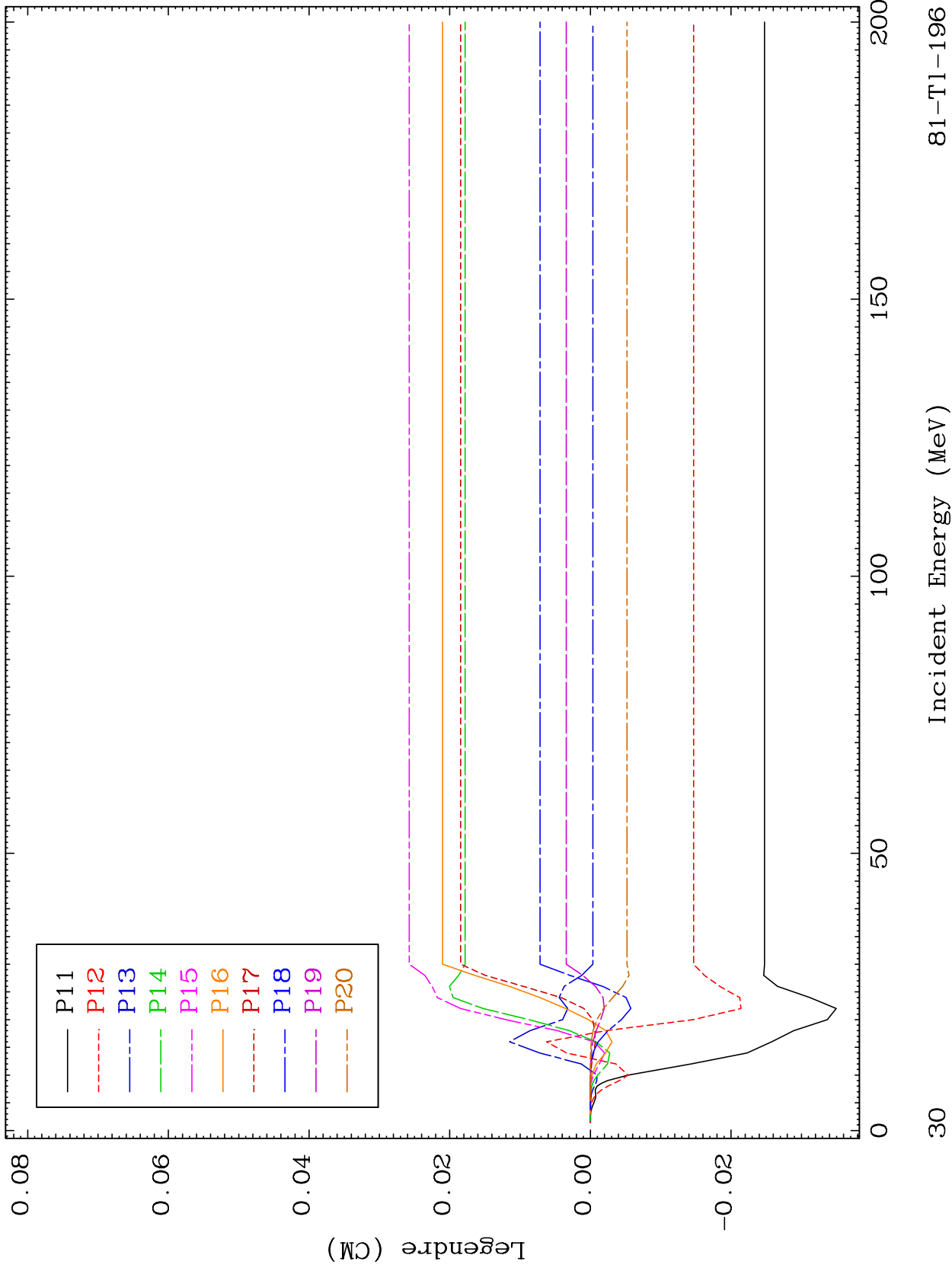
Incident Energy (MeV)

29

MAT 8104

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

81-Tl-196

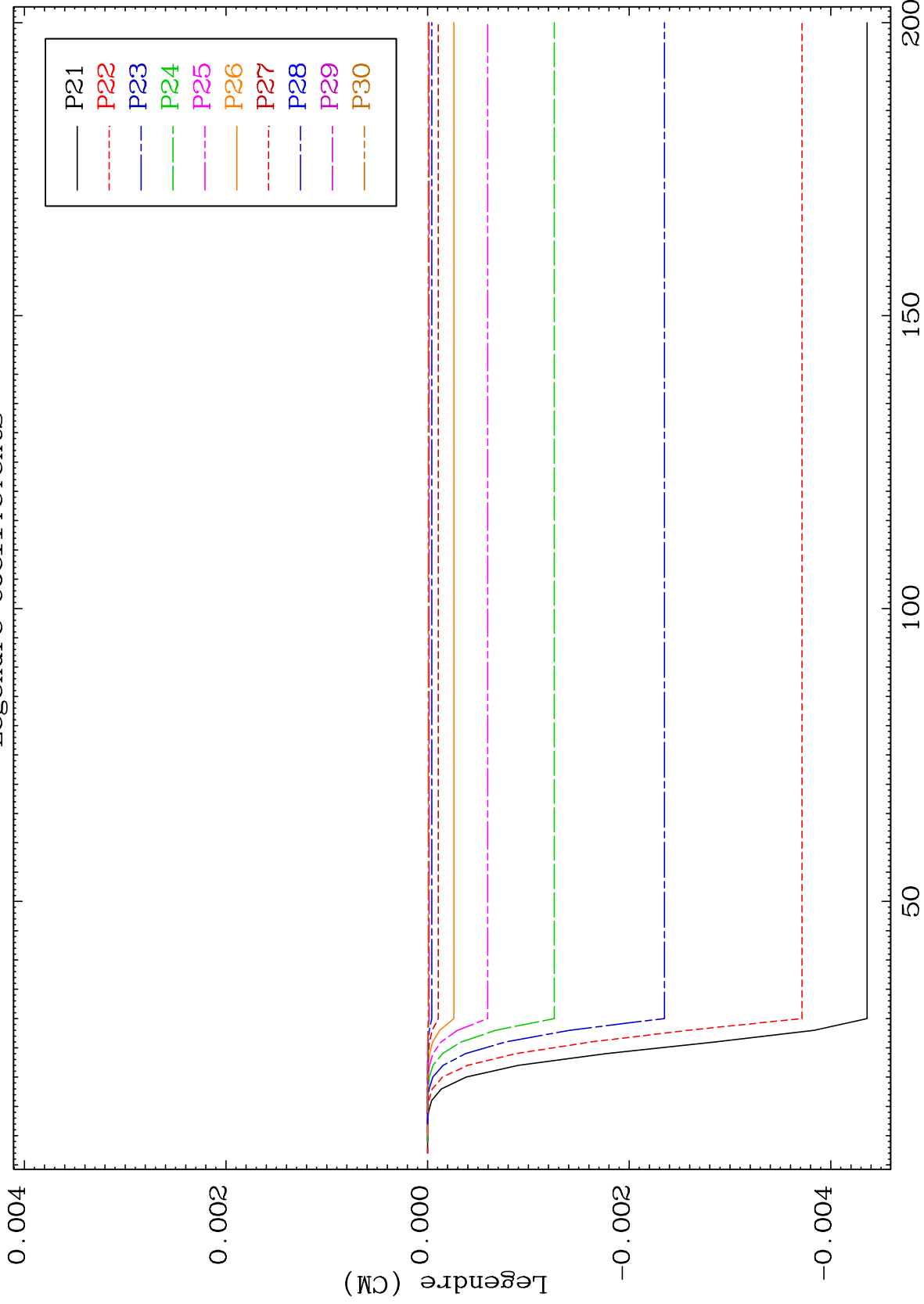


81-Tl-196

MAT 8104

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

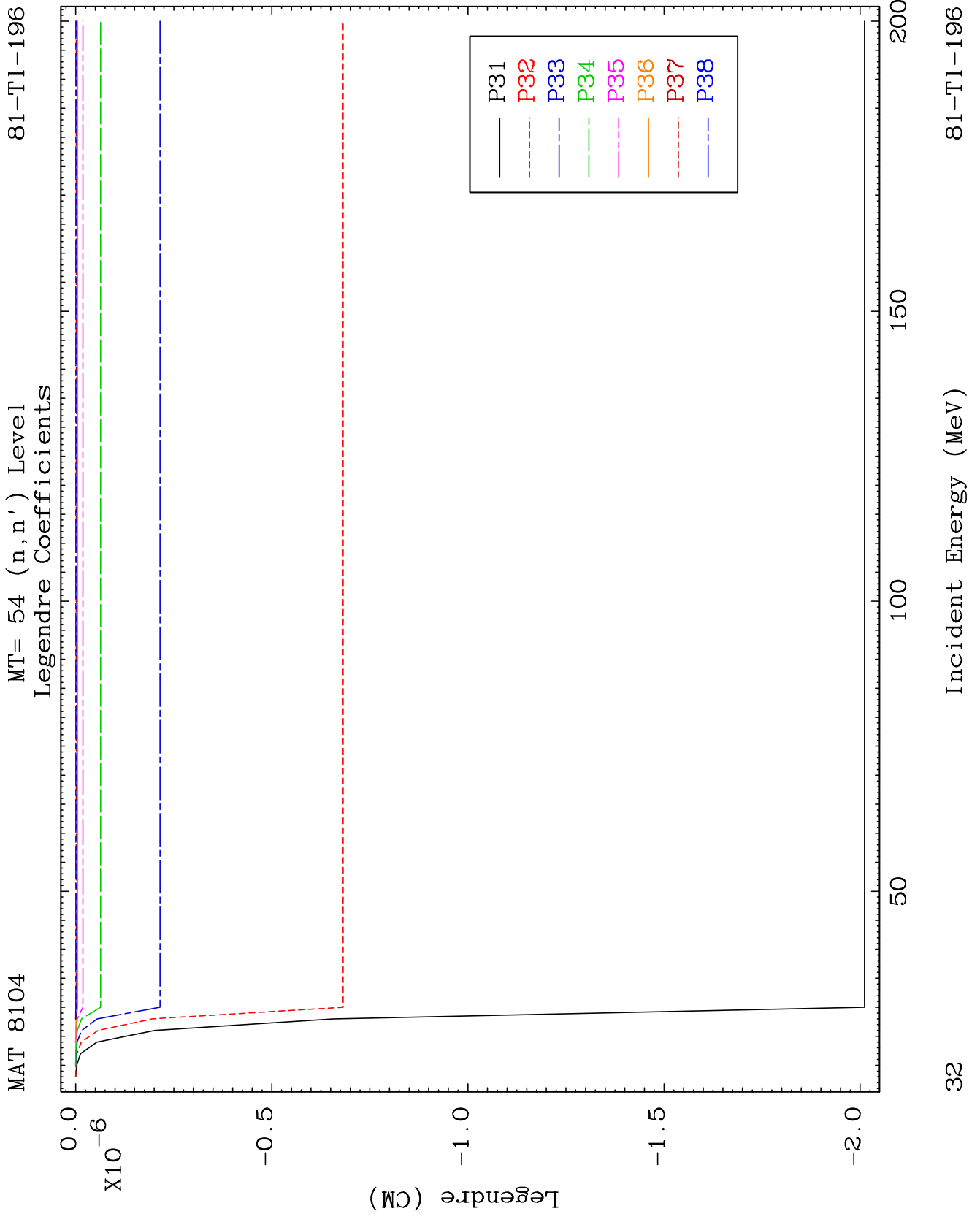
81-T1-196



31

Incident Energy (MeV)

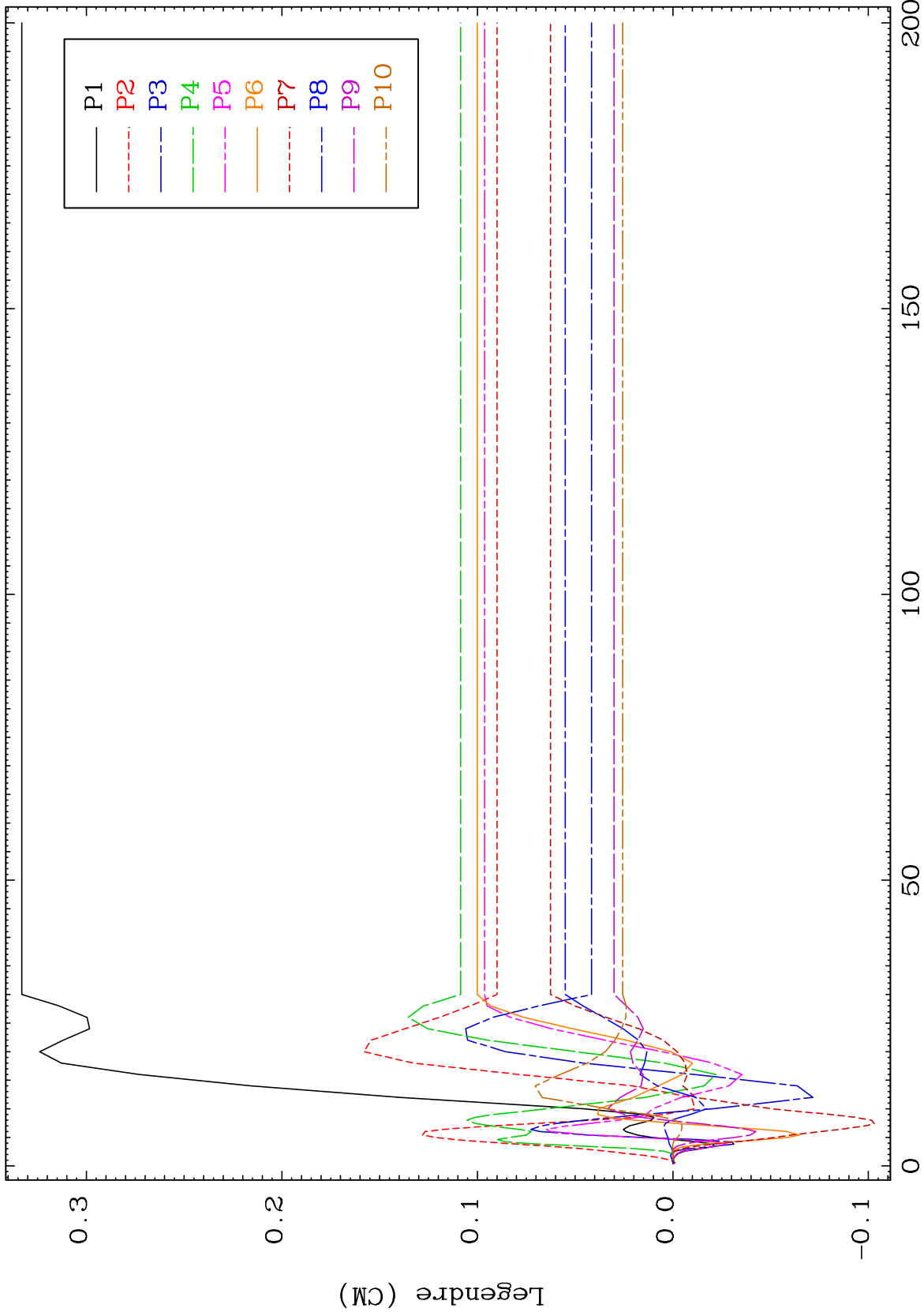
81-T1-196



MAT 8104

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

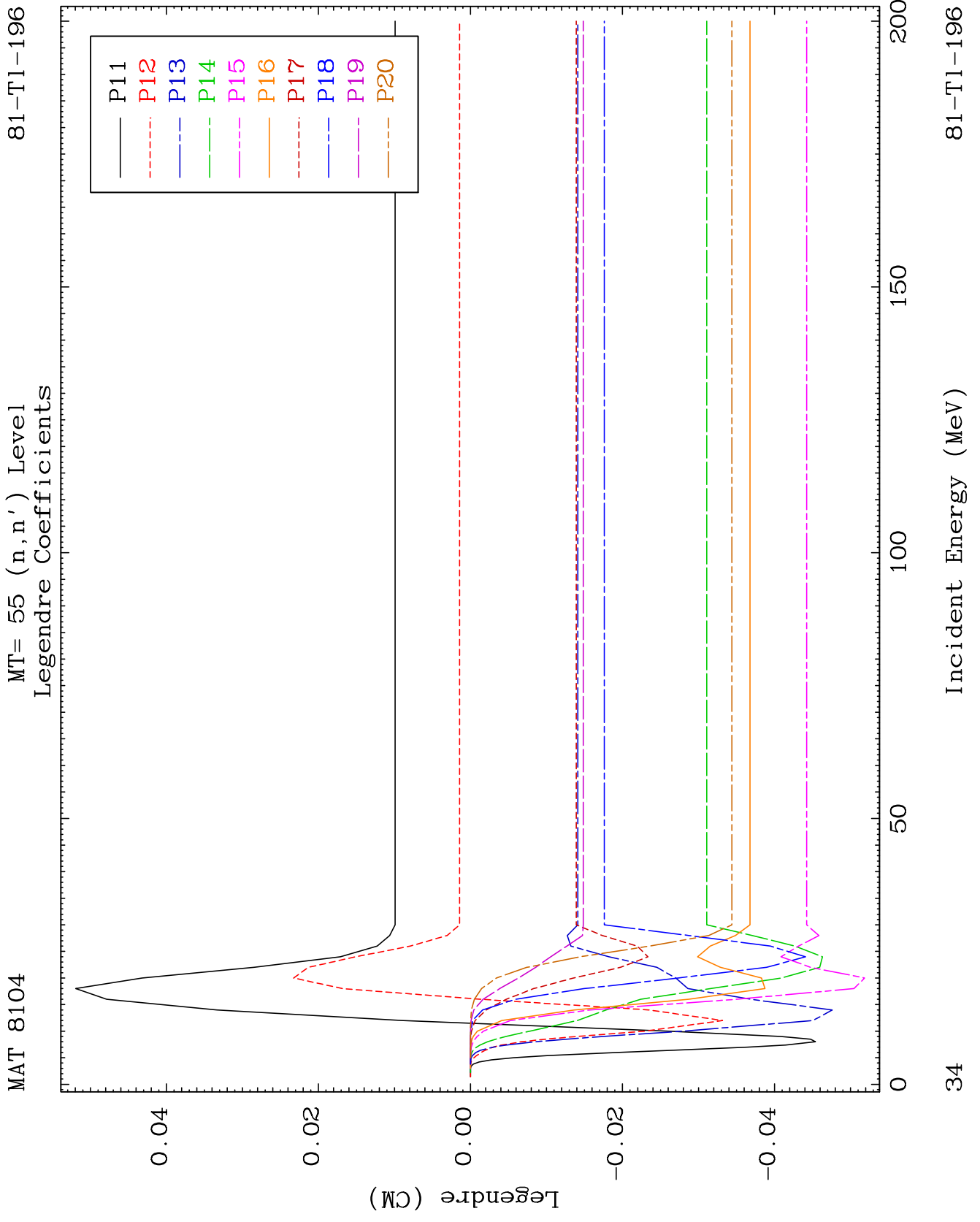
81-Tl-196



33

Incident Energy (MeV)

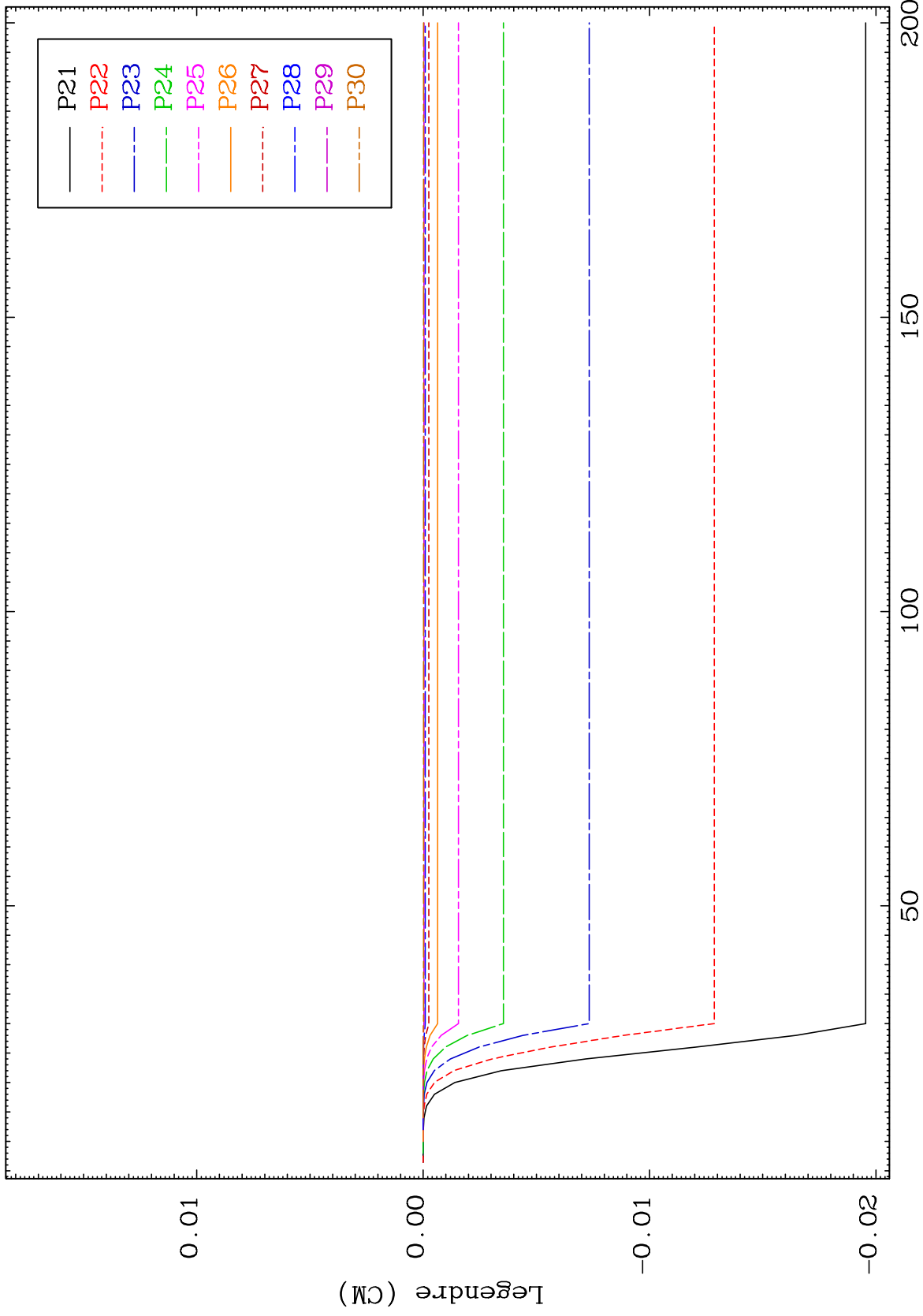
81-Tl-196



MAT 8104

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

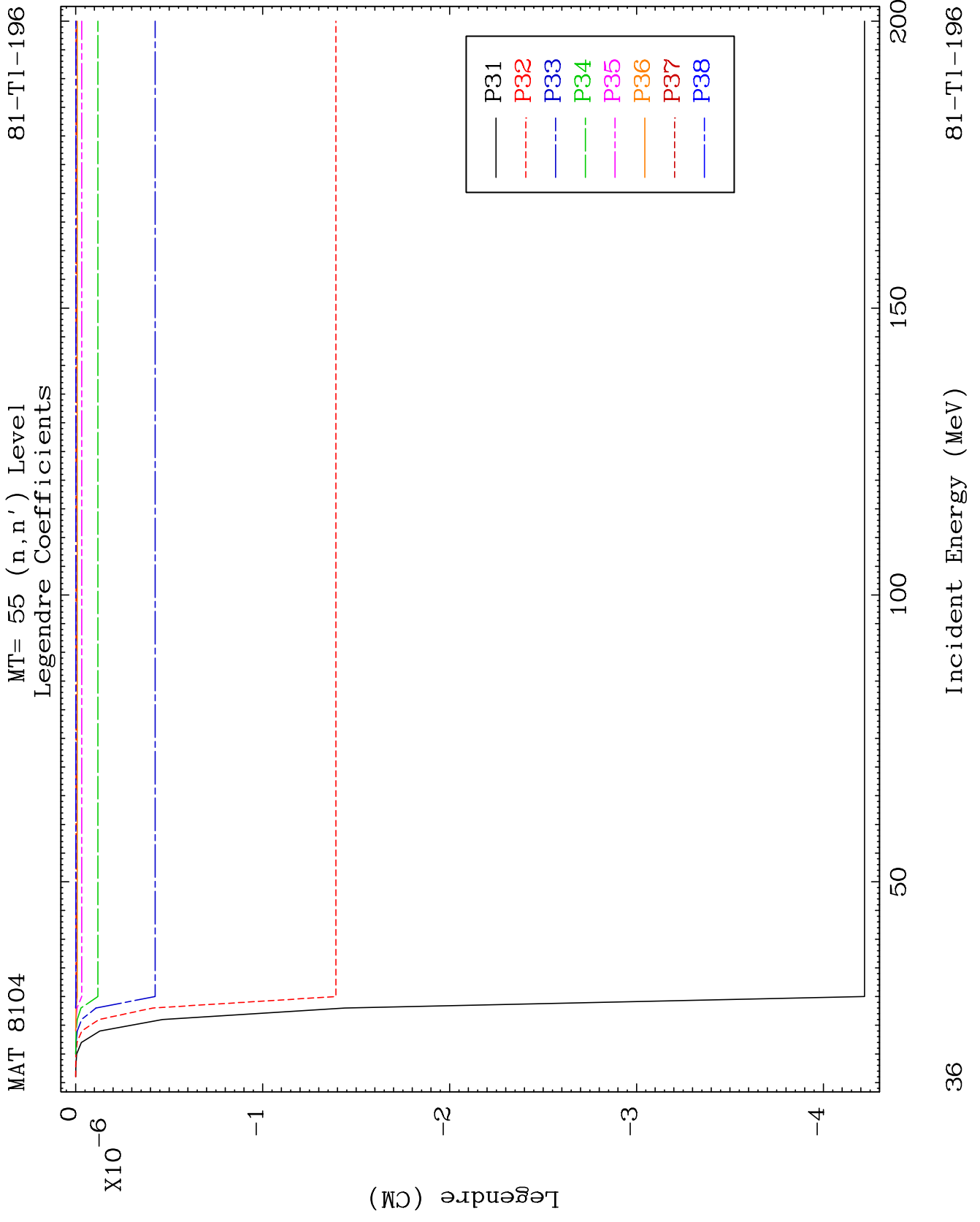
81-T1-196



35

Incident Energy (MeV)

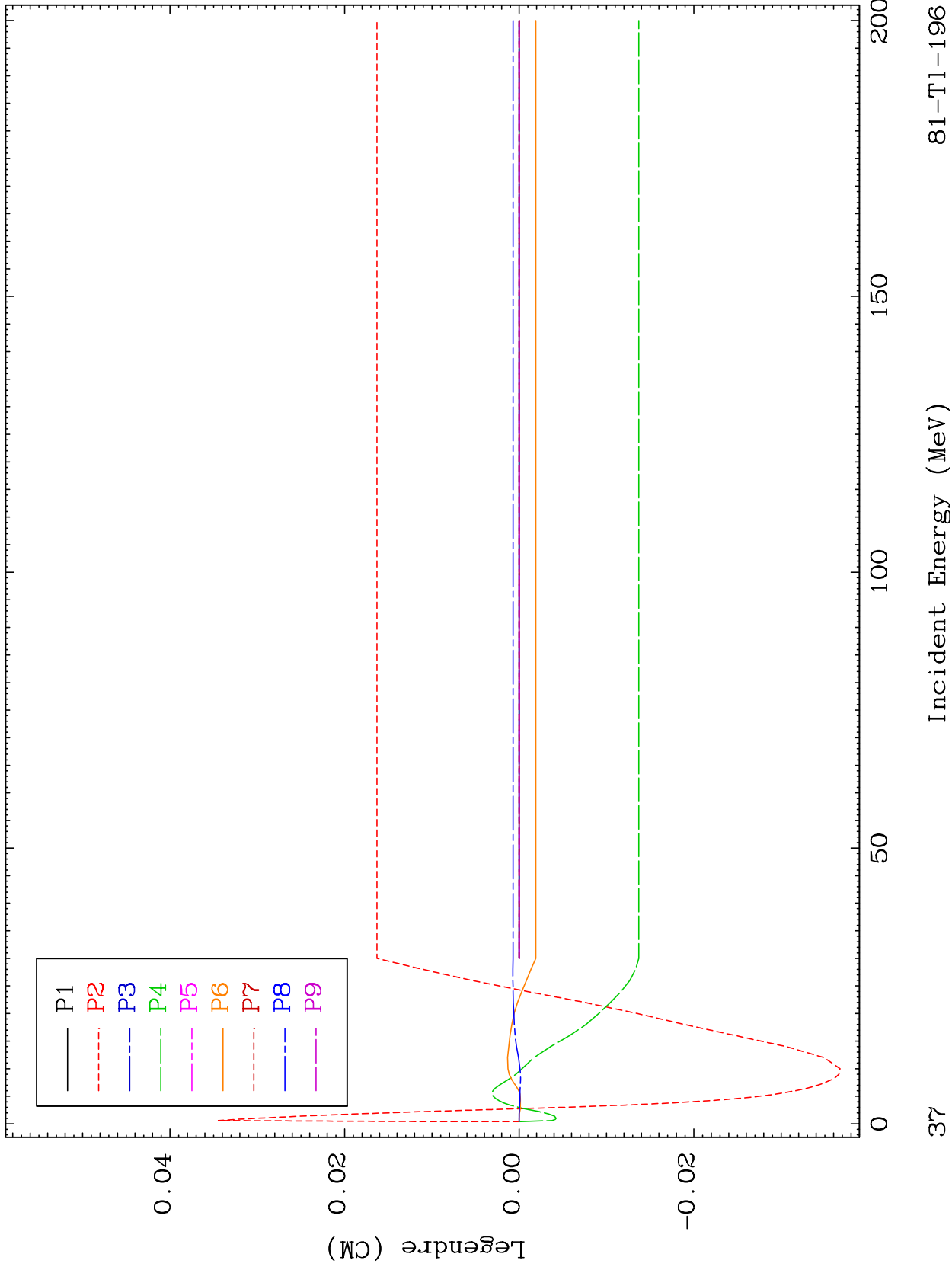
81-T1-196



MAT 8104

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

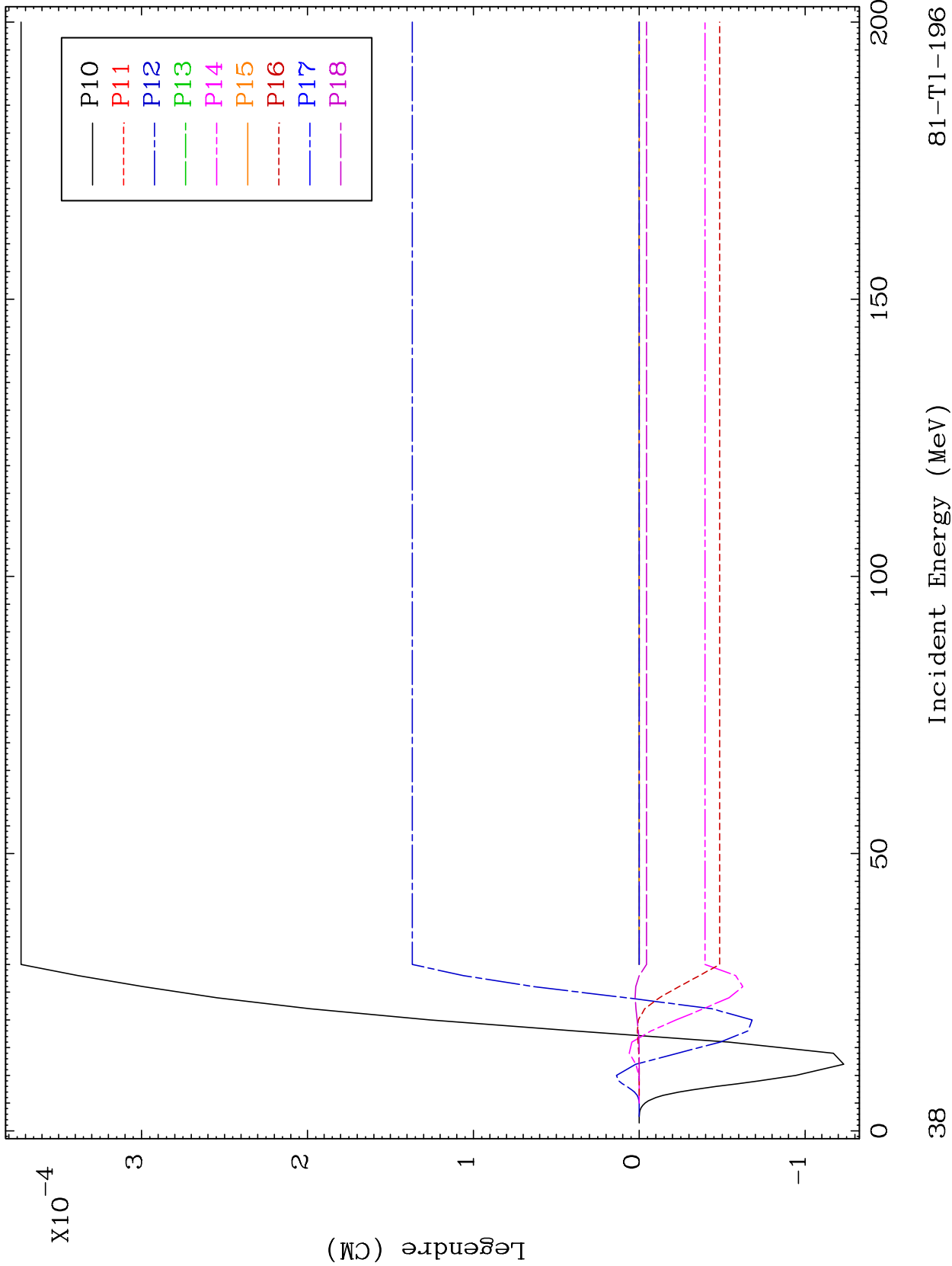
81-T1-196



MAT 8104

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

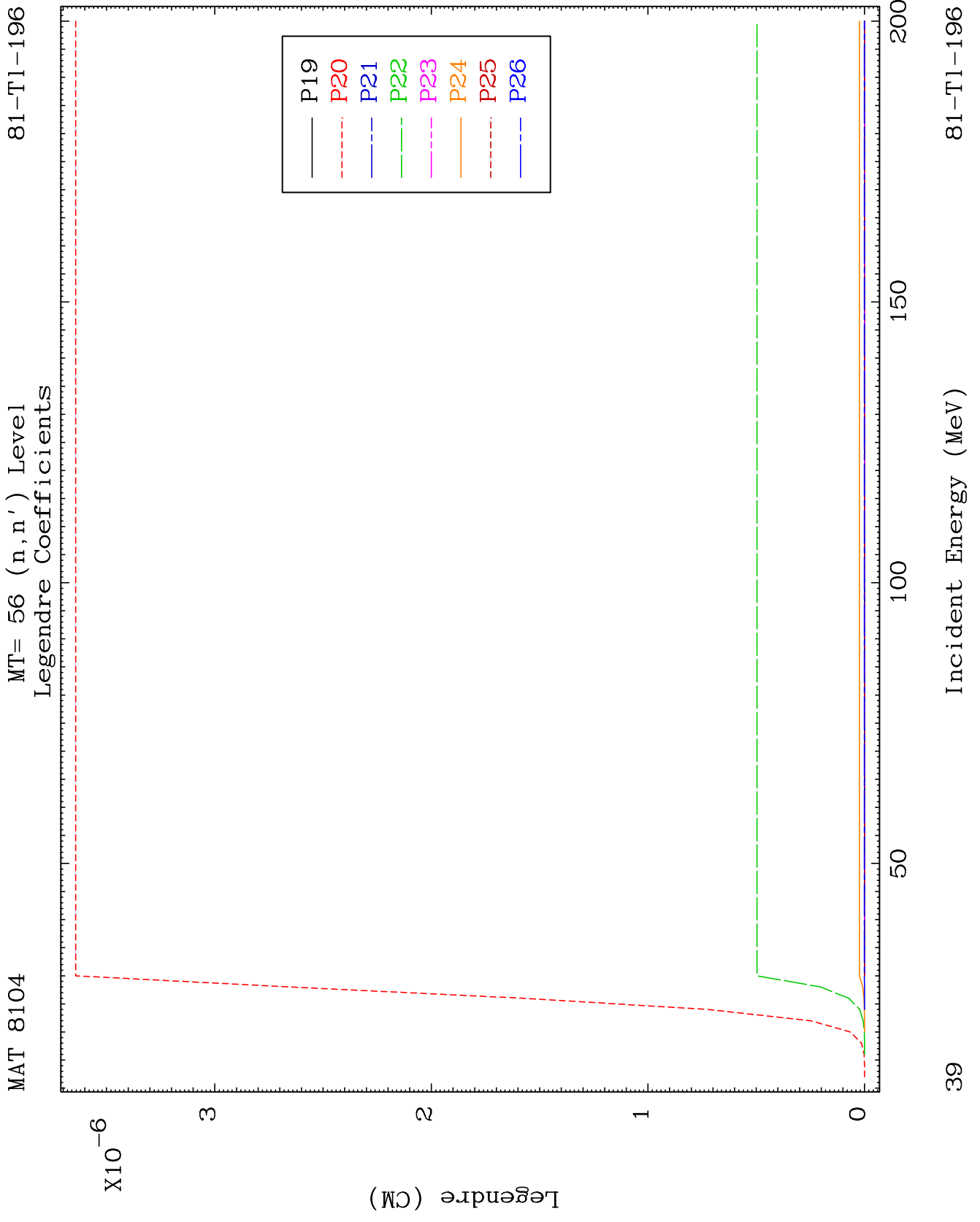
81-Tl-196



81-Tl-196

Incident Energy (MeV)

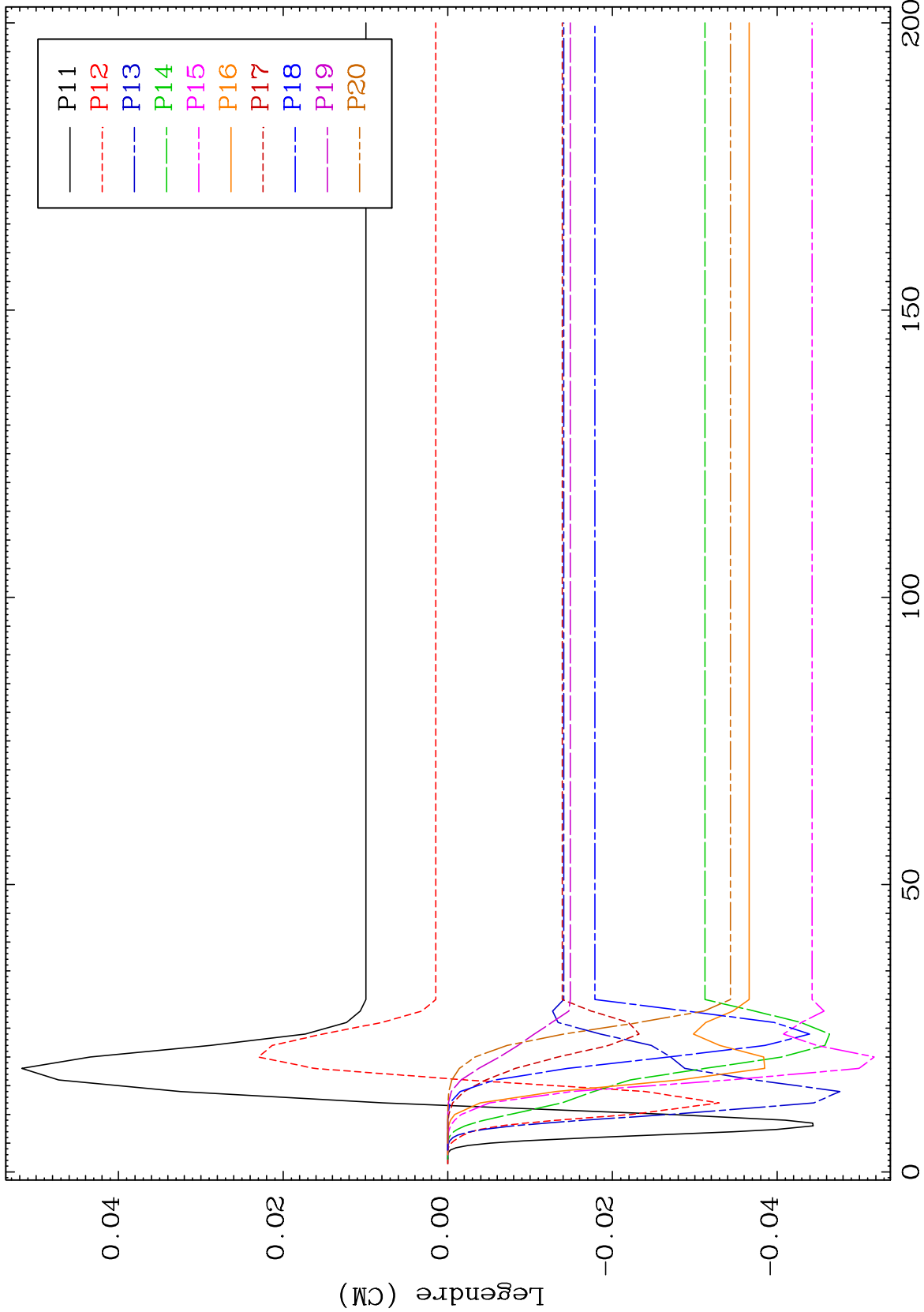
38



MAT 8104

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

81-T1-196



41

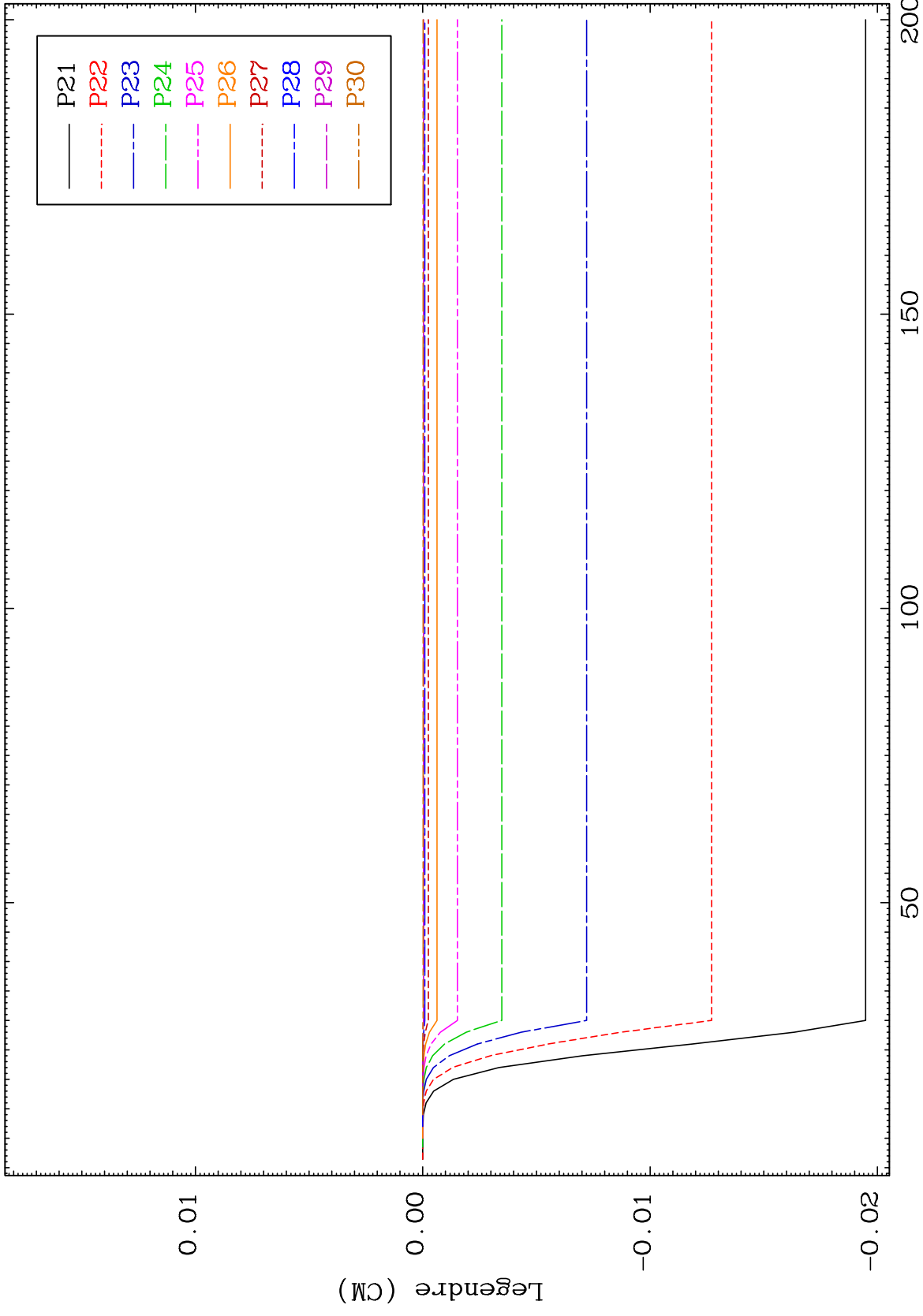
Incident Energy (MeV)

81-T1-196

MAT 8104

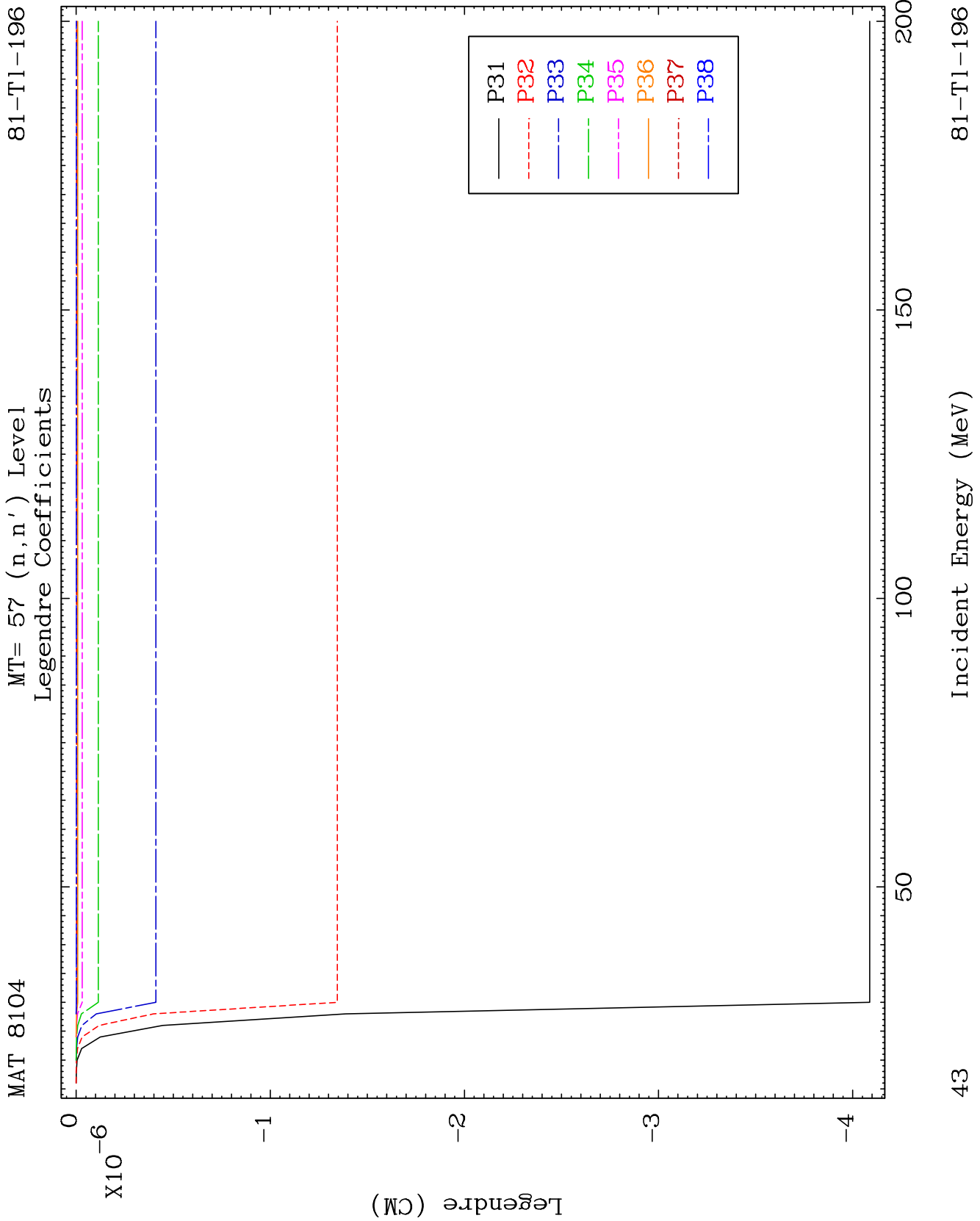
MT= 57 (n,n') Level
Legendre Coefficients

81-T1-196



42

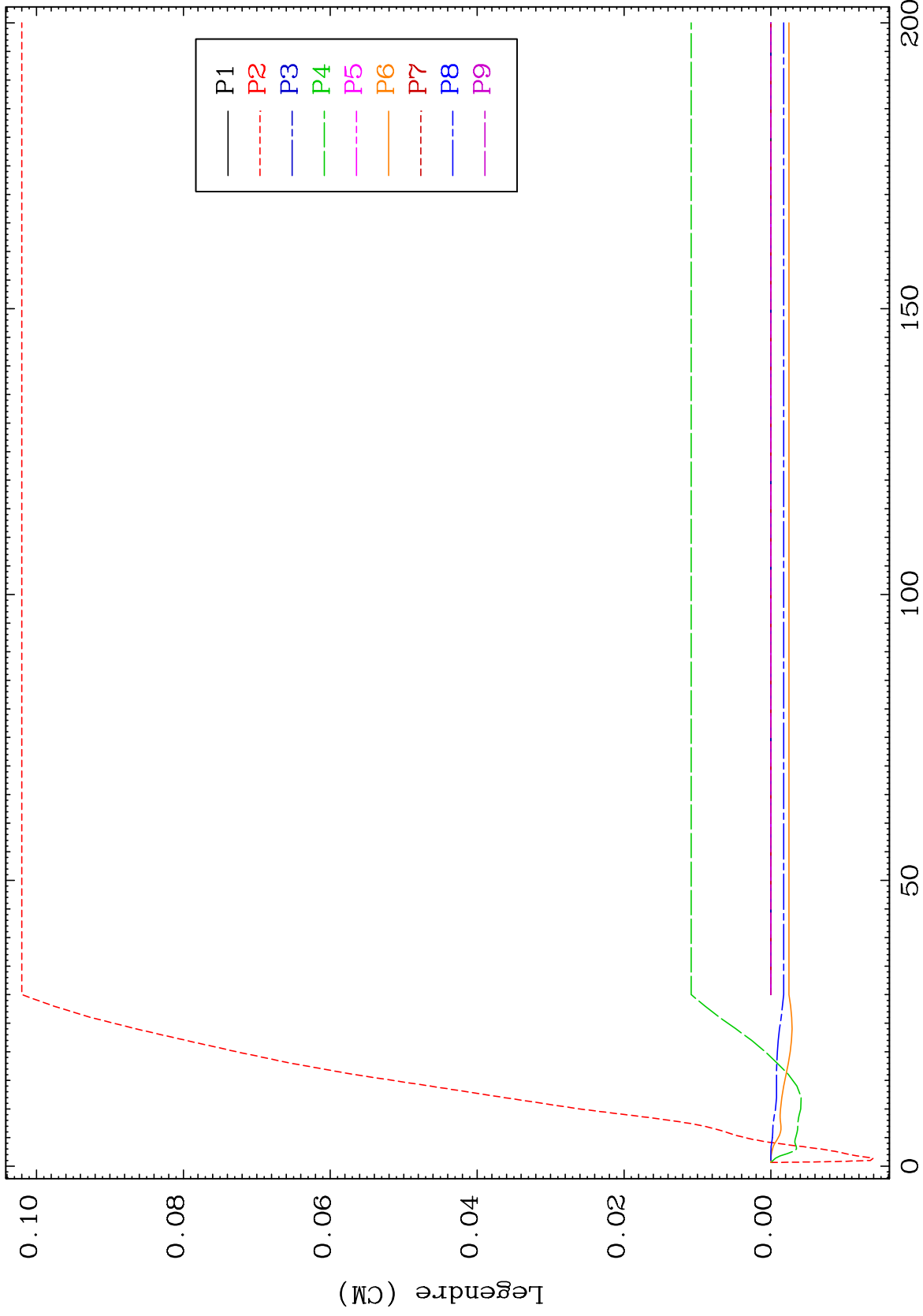
81-T1-196



MAT 8104

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

81-T1-196



44

Incident Energy (MeV)

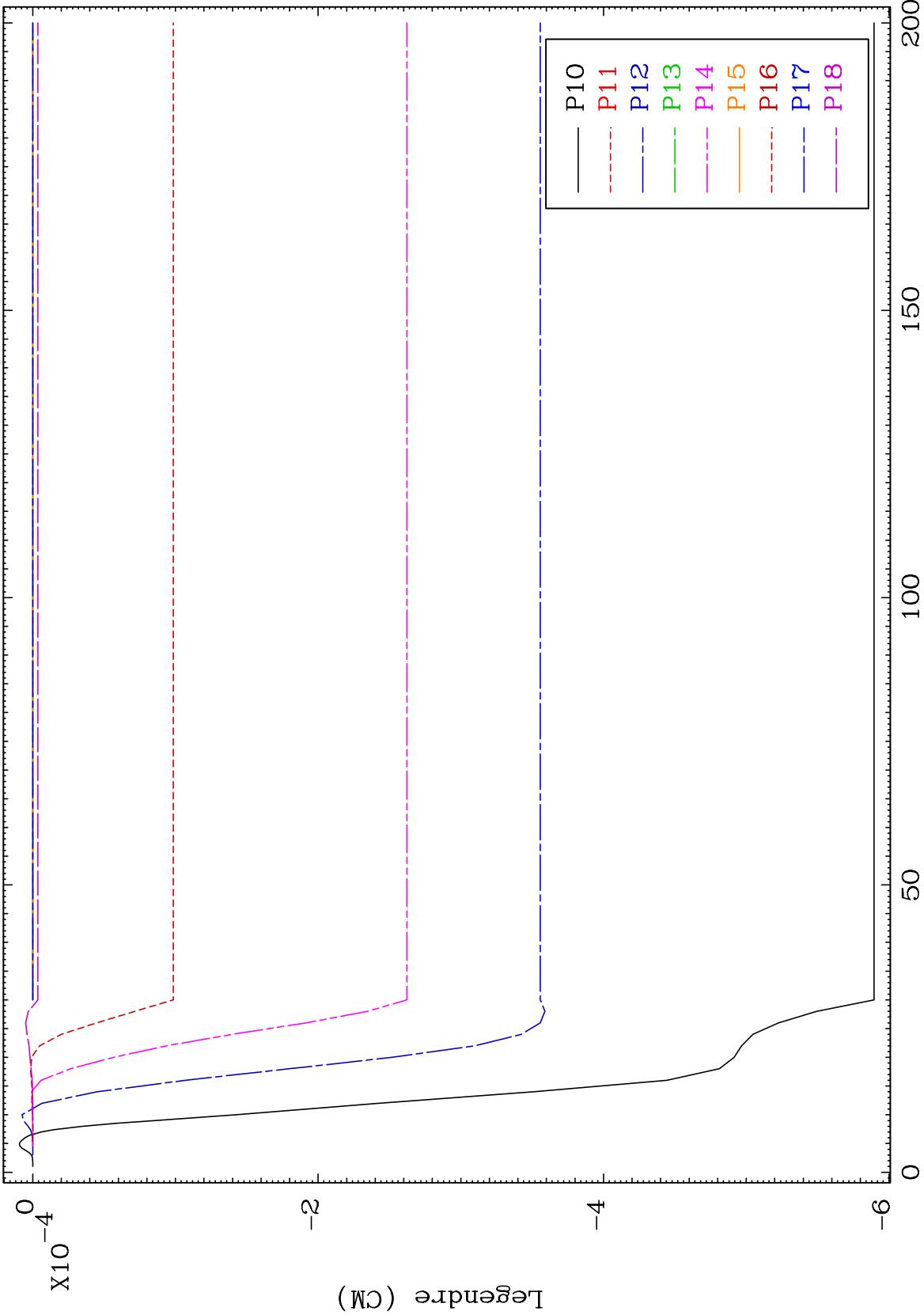
81-T1-196

MAT 8104

MT= 58 (n,n') Level

81-Tl-196

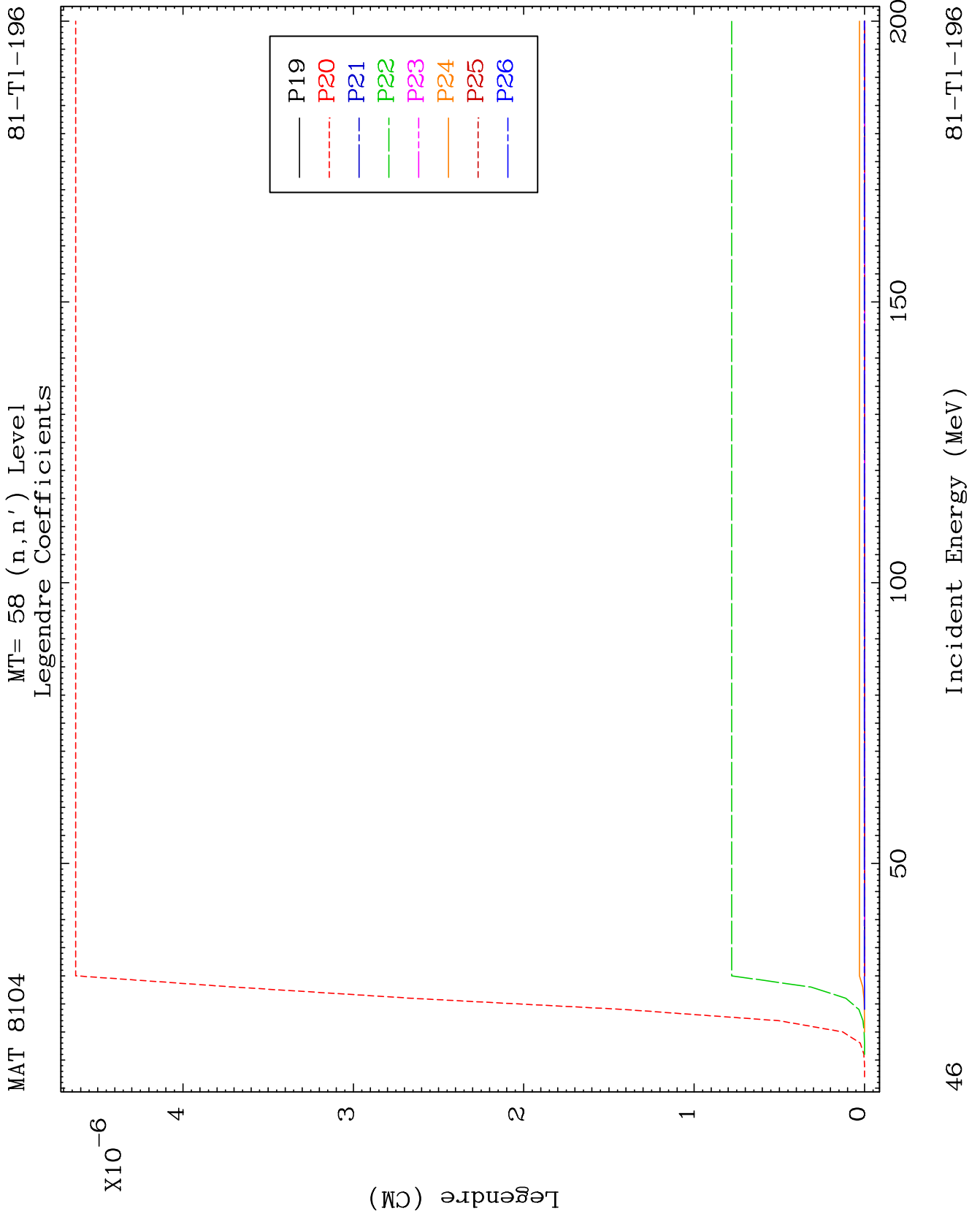
Legendre Coefficients



45

Incident Energy (MeV)

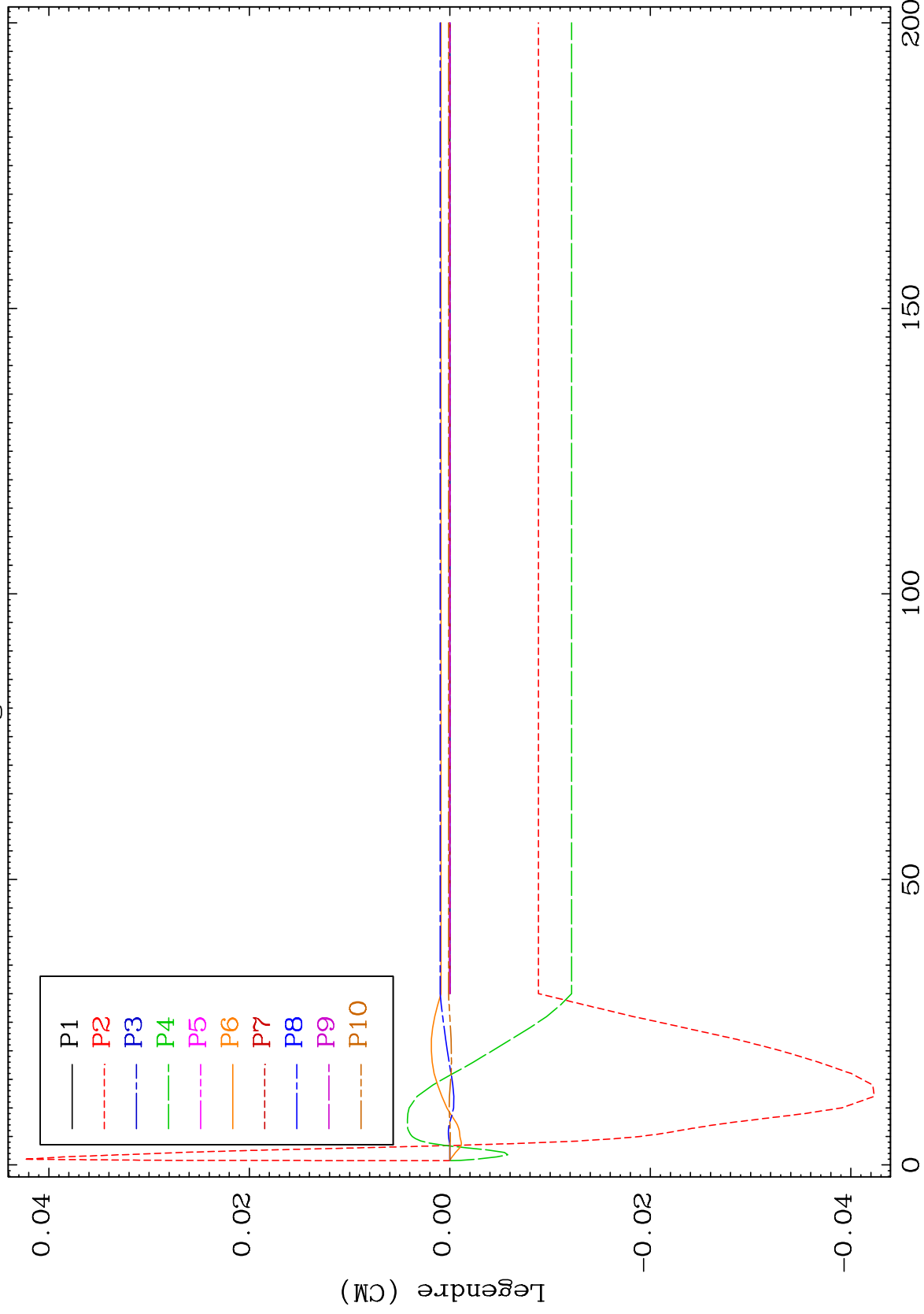
81-Tl-196



MAT 8104

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

81-T1-196



47

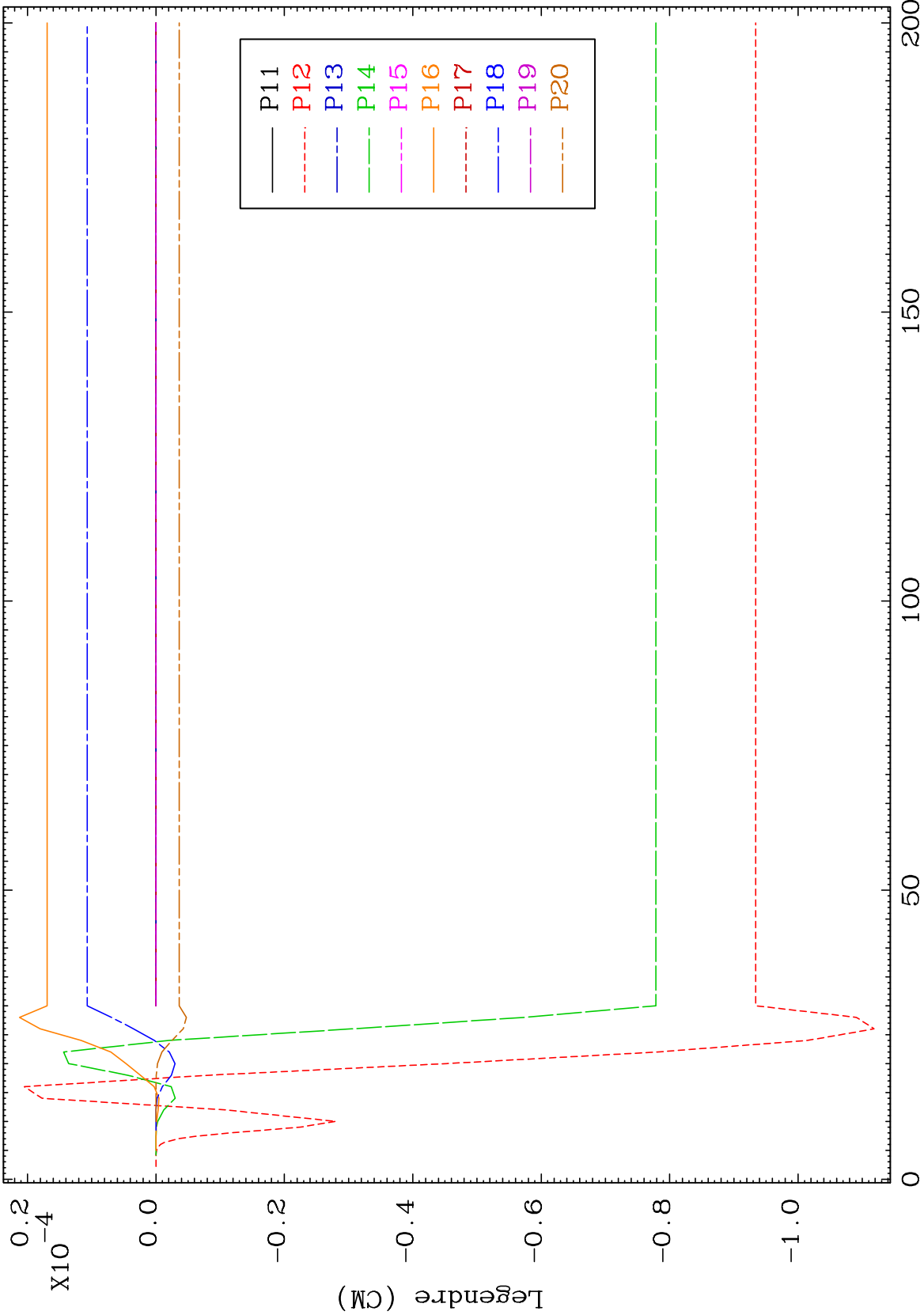
Incident Energy (MeV)

81-T1-196

MAT 8104

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

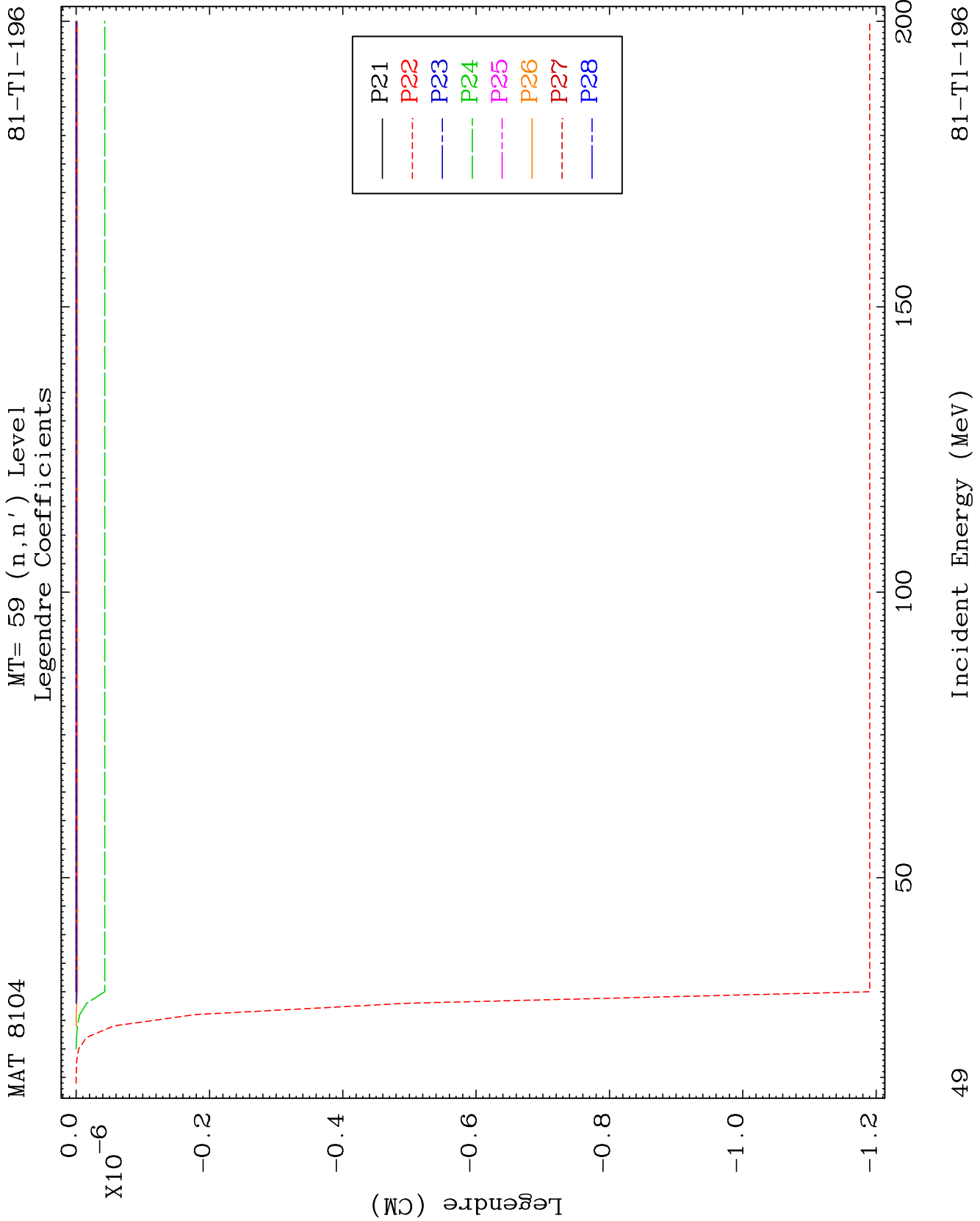
81-Tl-196

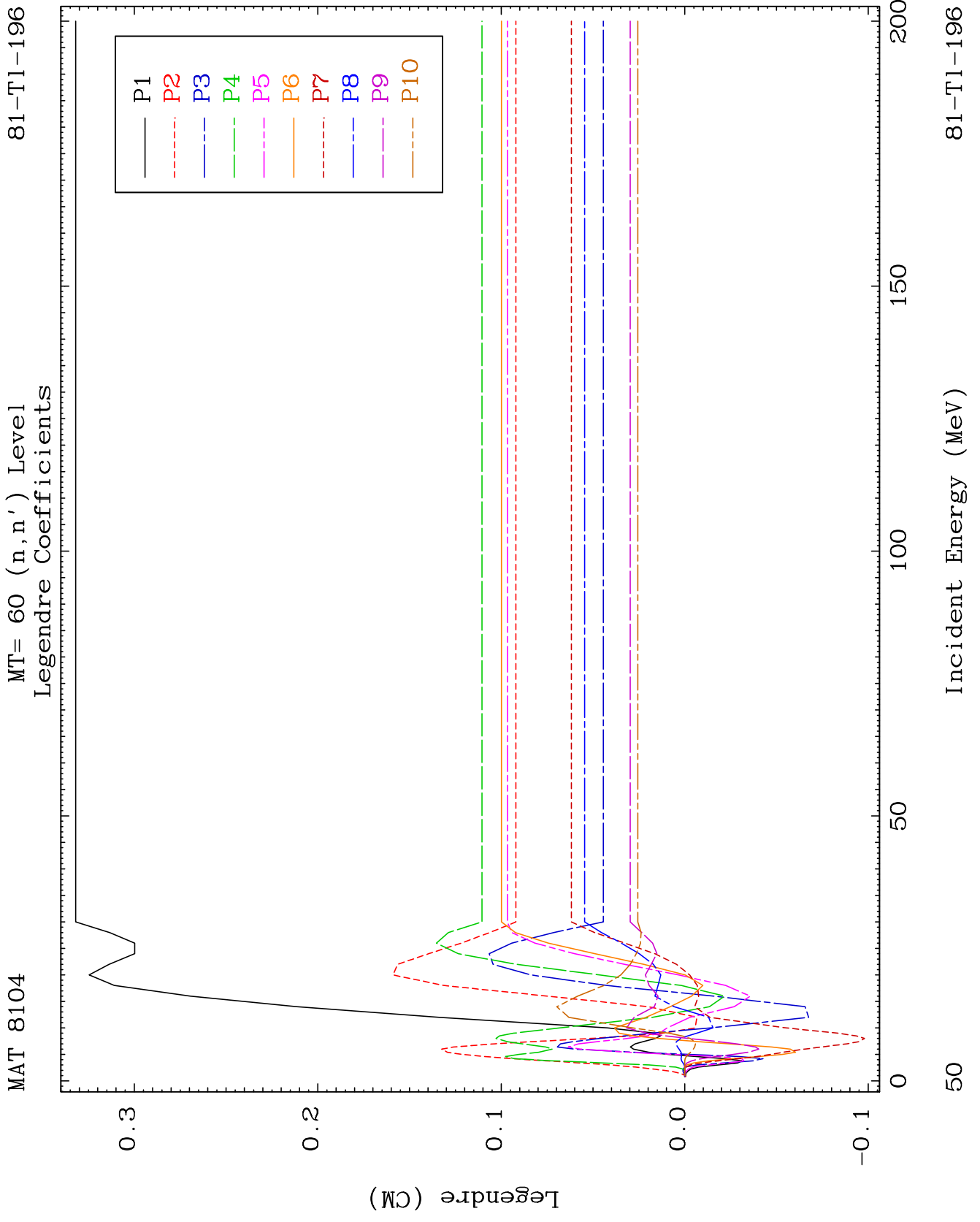


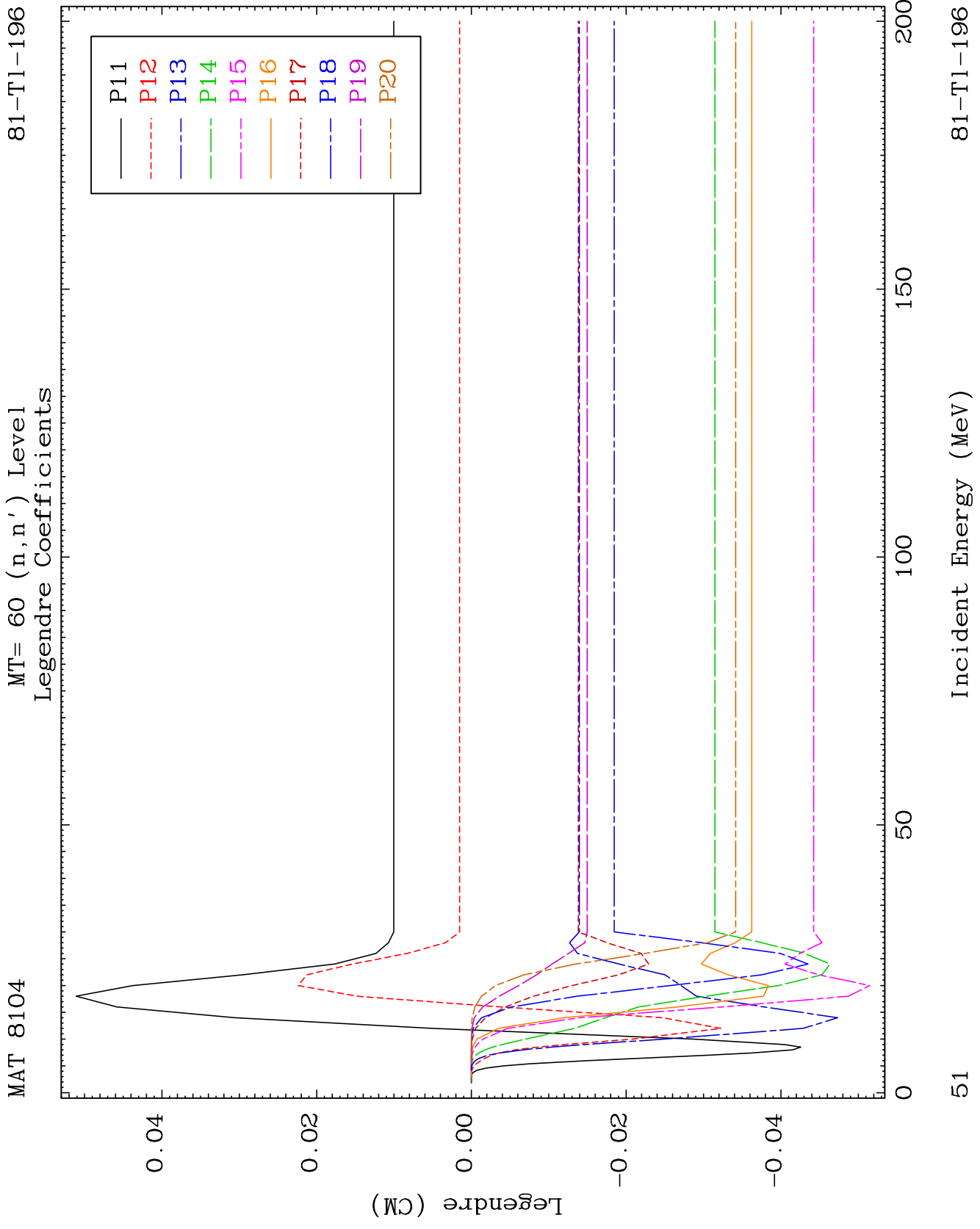
48

Incident Energy (MeV)

81-Tl-196



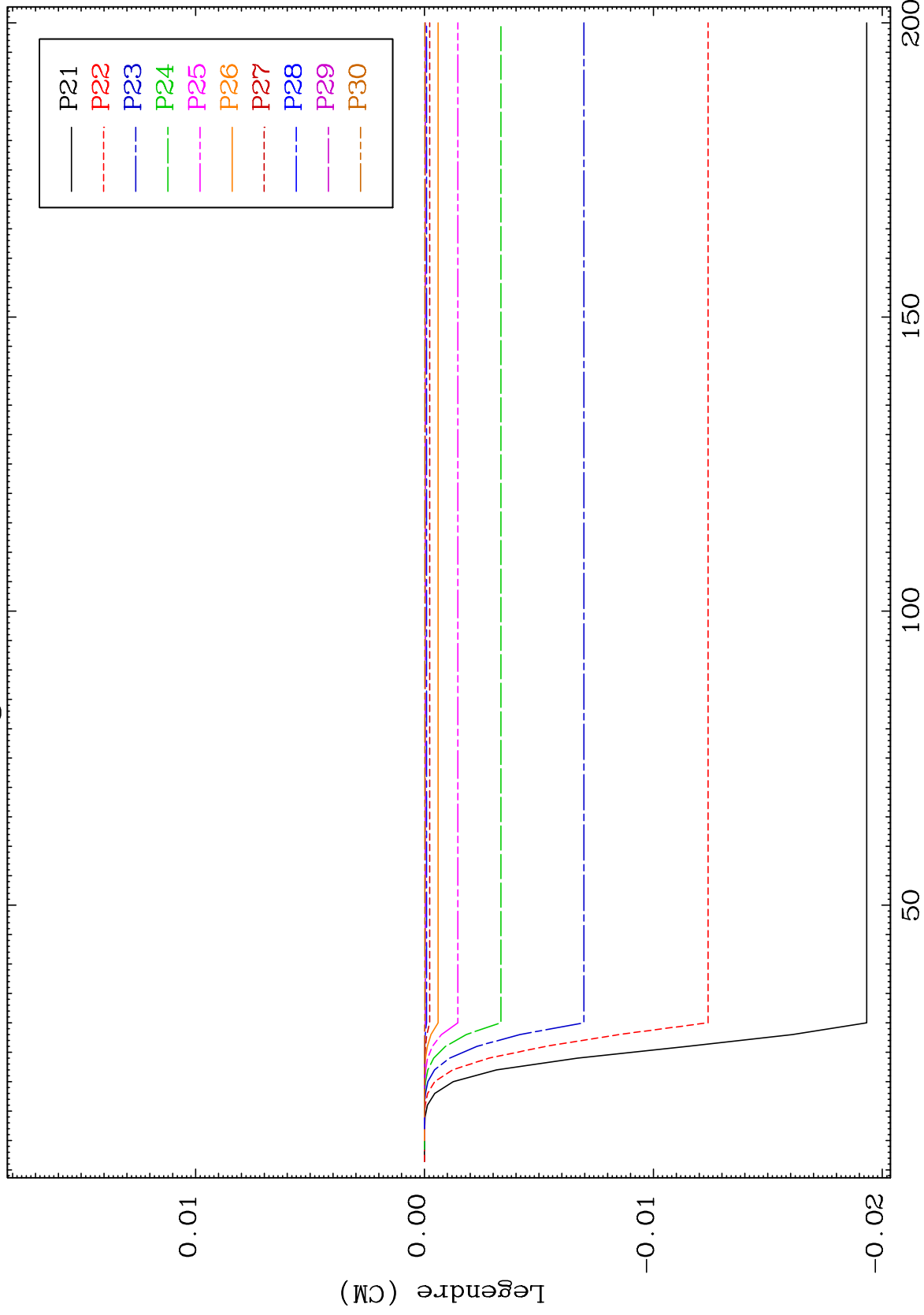




MAT 8104

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

81-T1-196



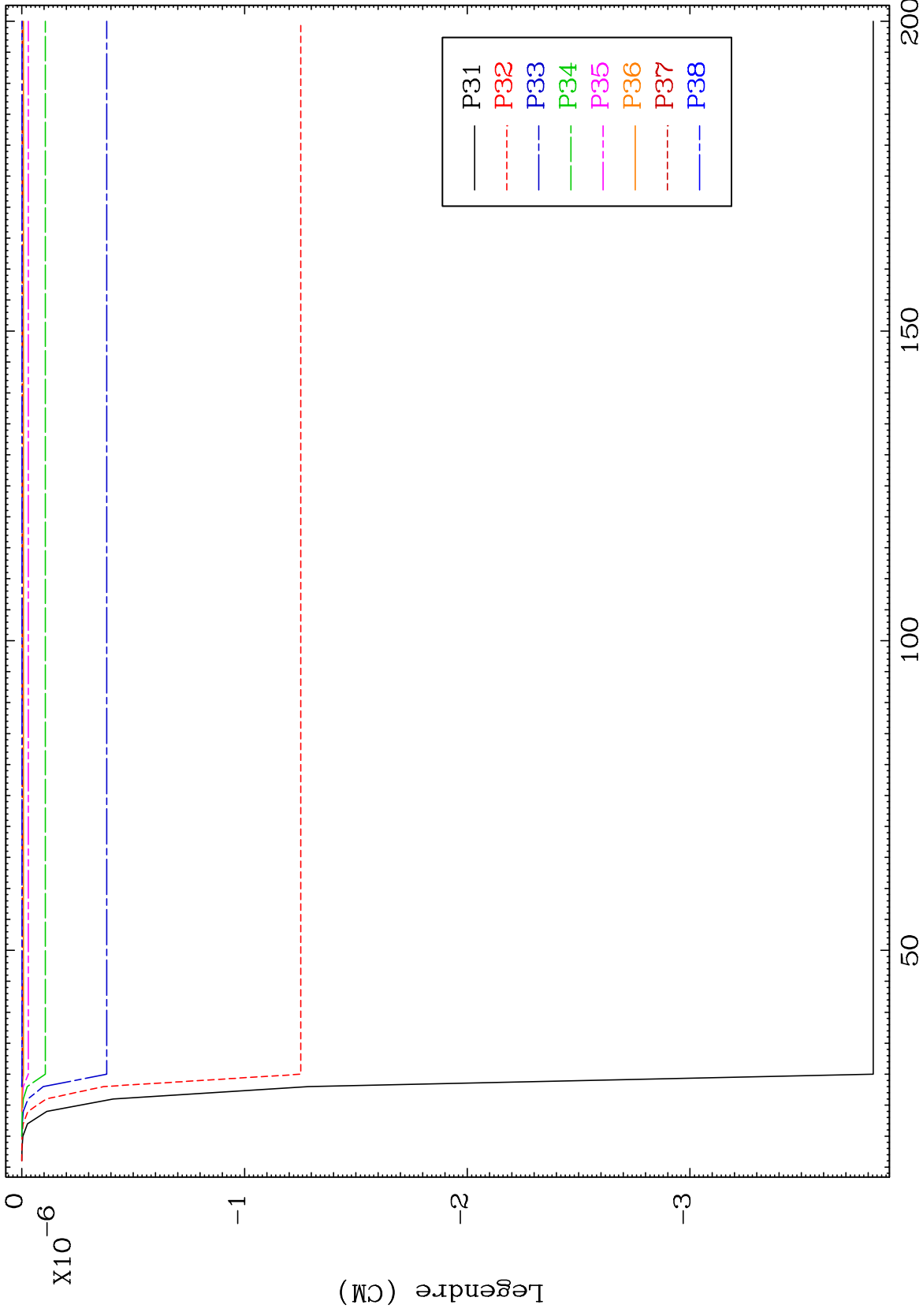
52

81-T1-196

MAT 8104

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

81-T1-196



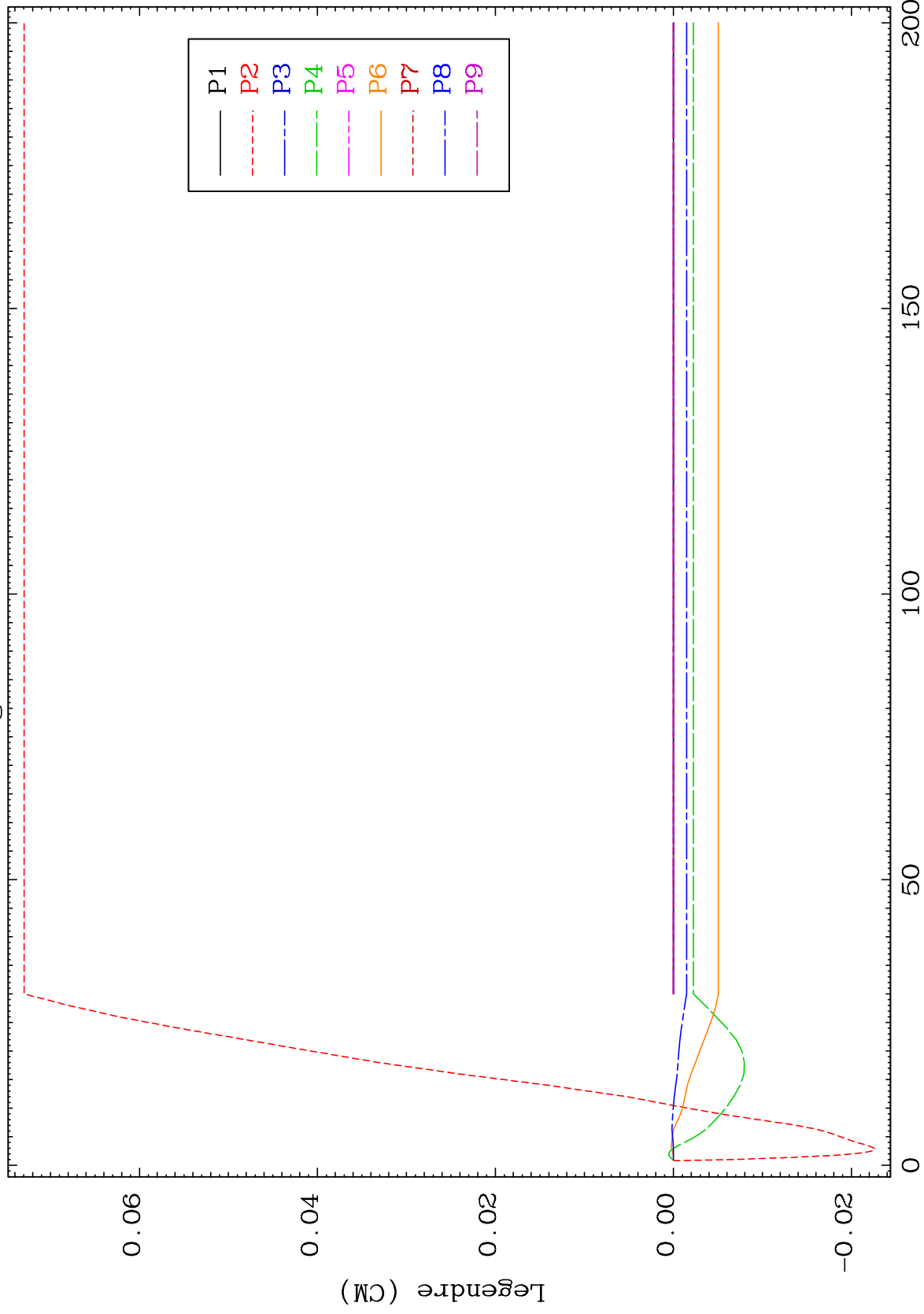
53

81-T1-196

MAT 8104

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

81-T1-196



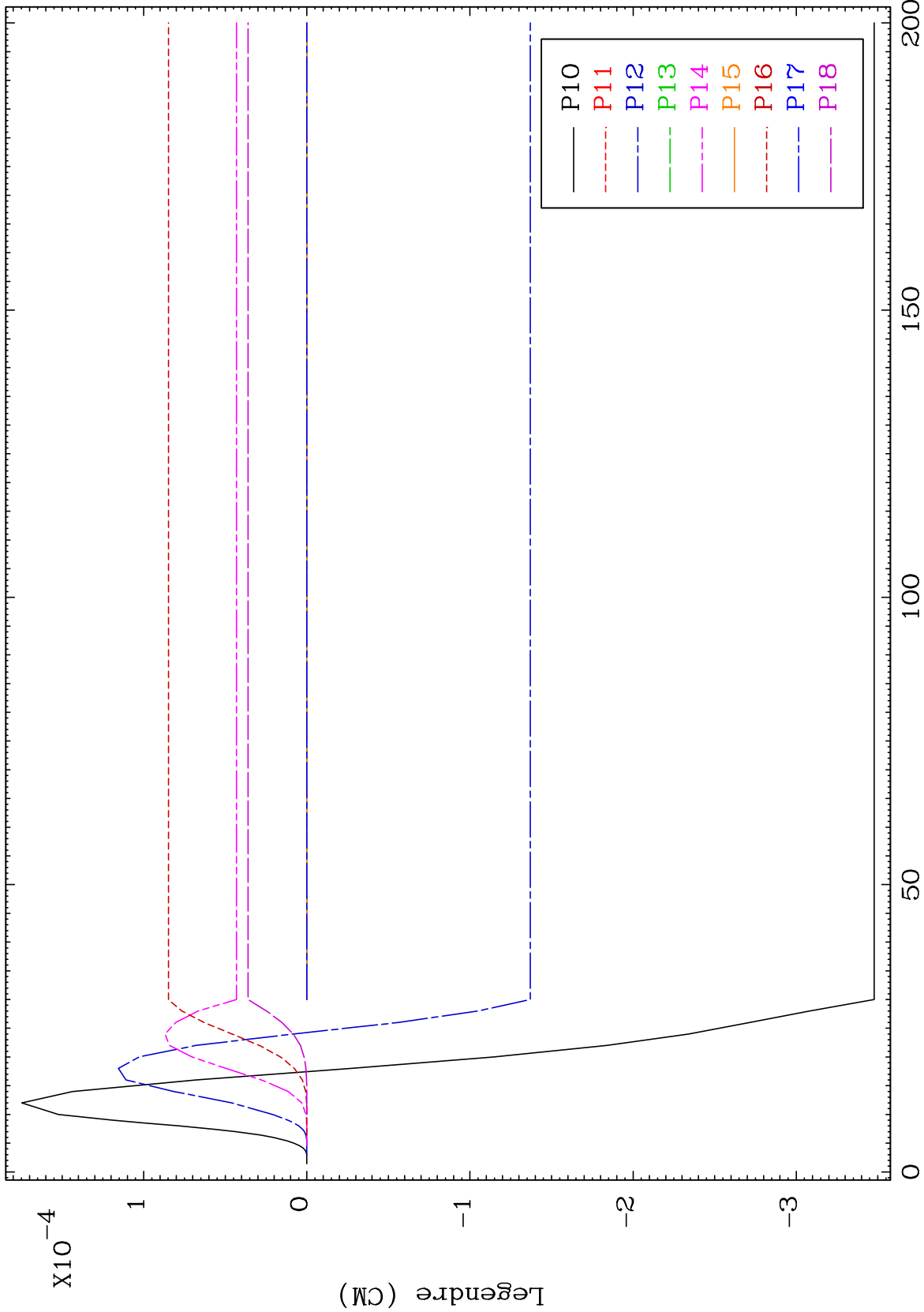
54

81-T1-196

MAT 8104

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

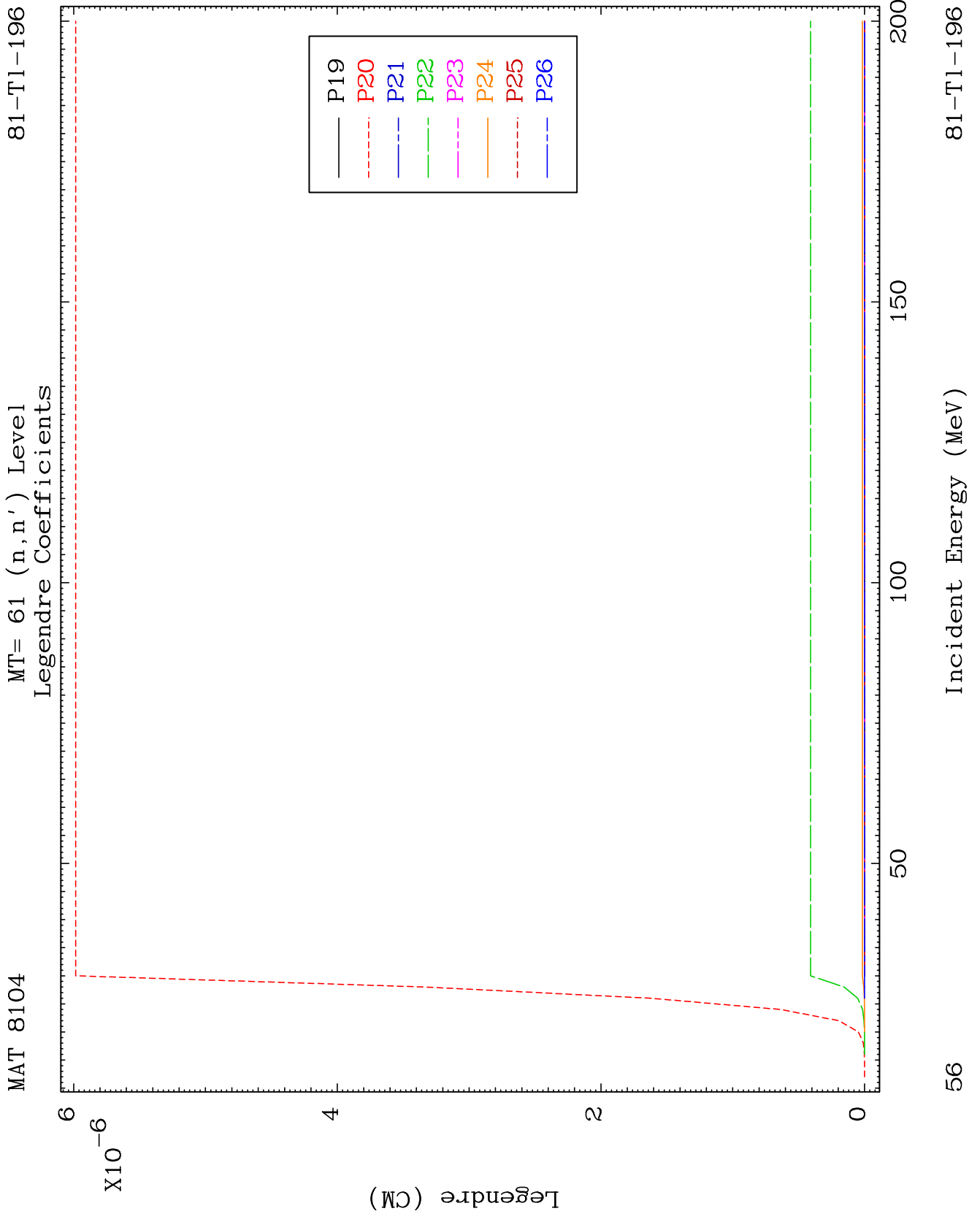
81-Tl-196



55

Incident Energy (MeV)

81-Tl-196



81-Tl-196

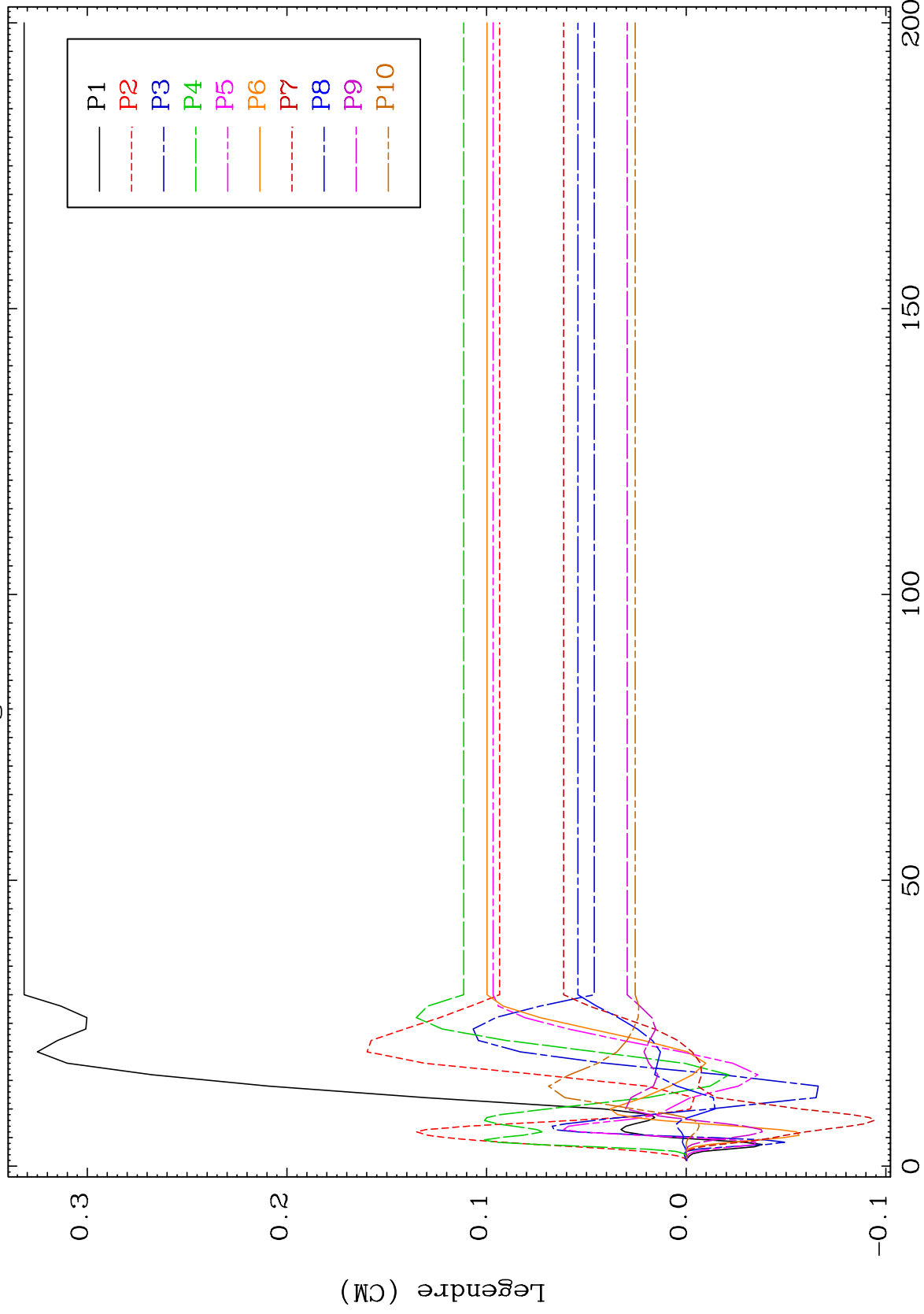
Incident Energy (MeV)

56

MAT 8104

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

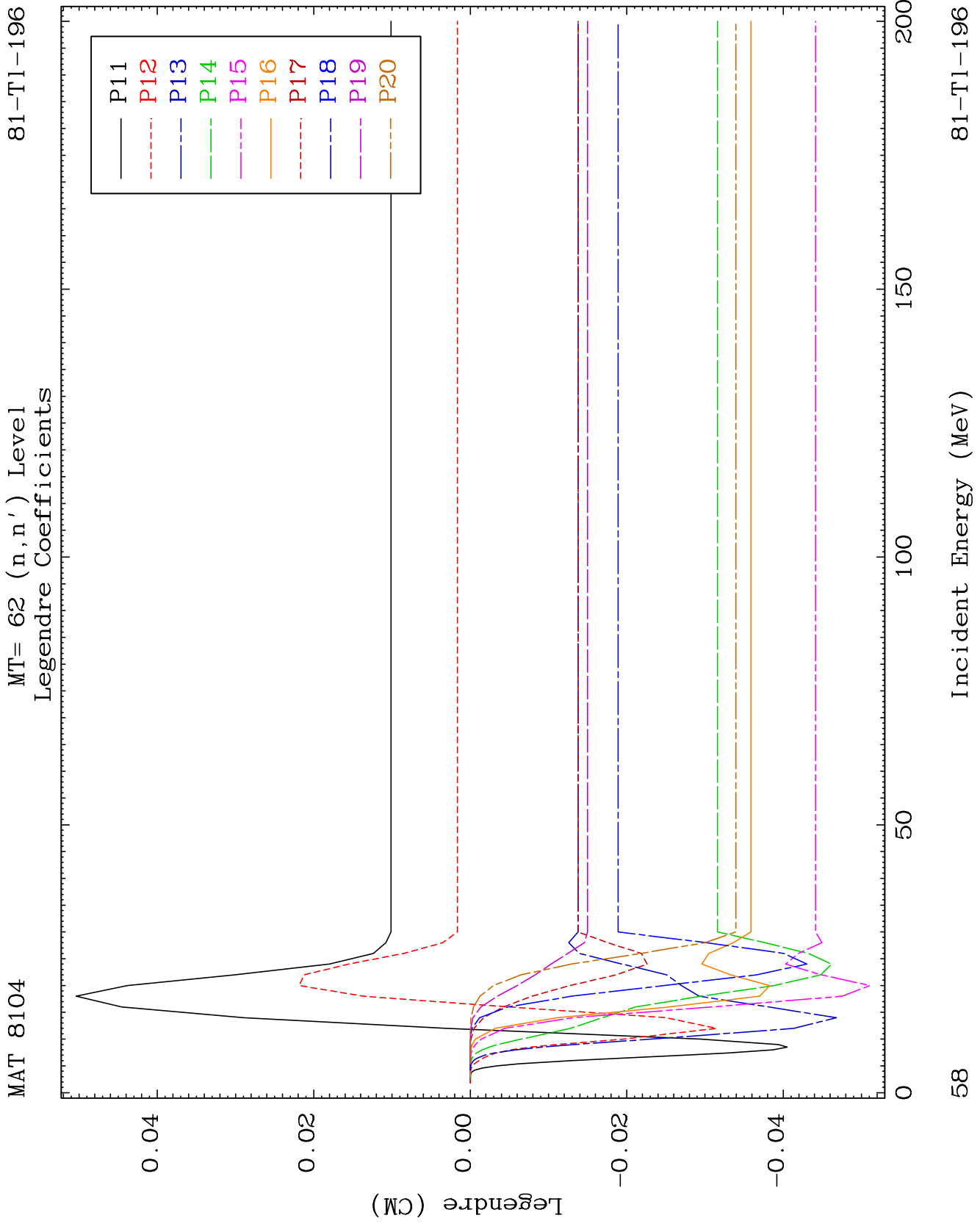
81-T1-196



57

Incident Energy (MeV)

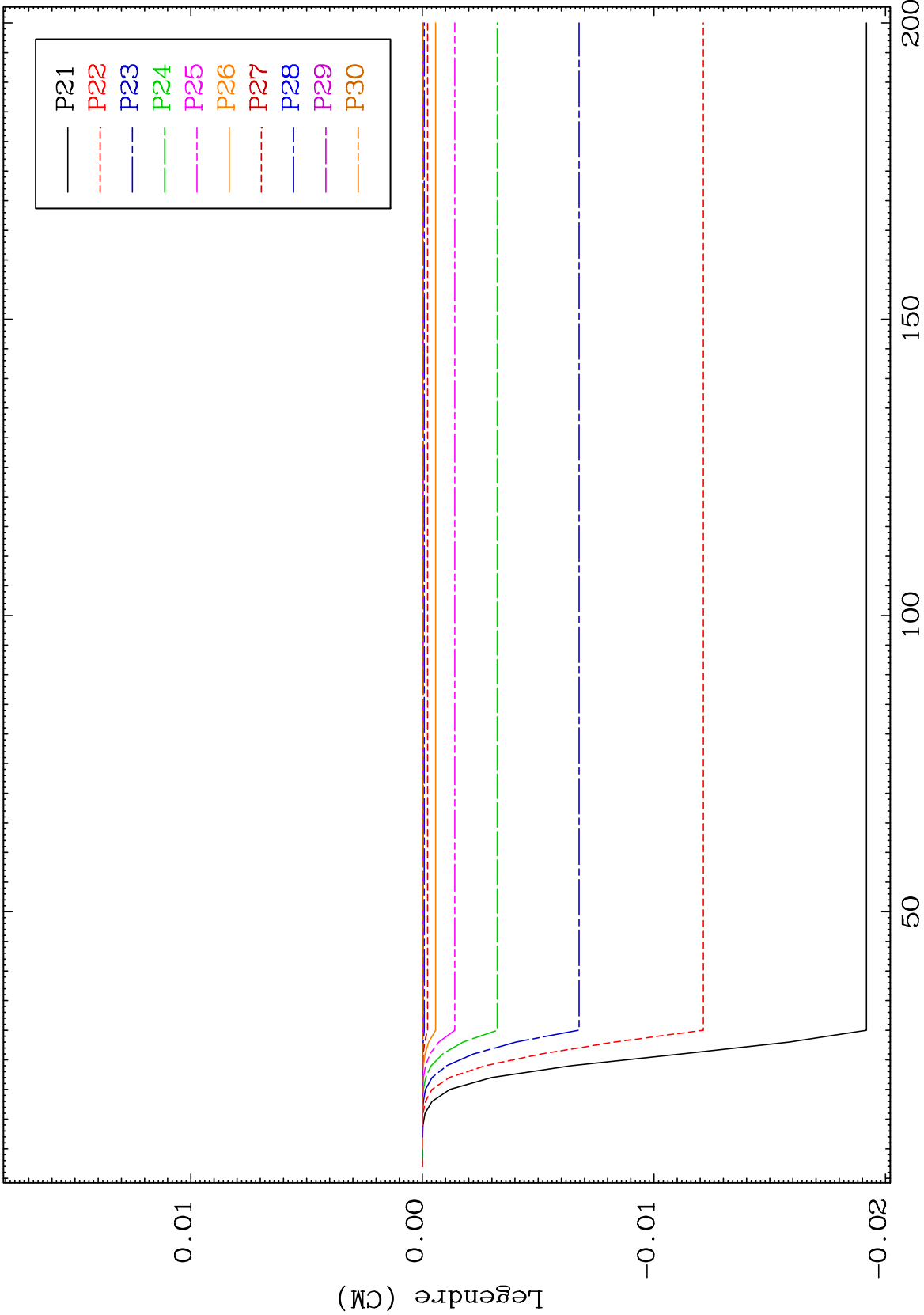
81-T1-196



MAT 8104

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

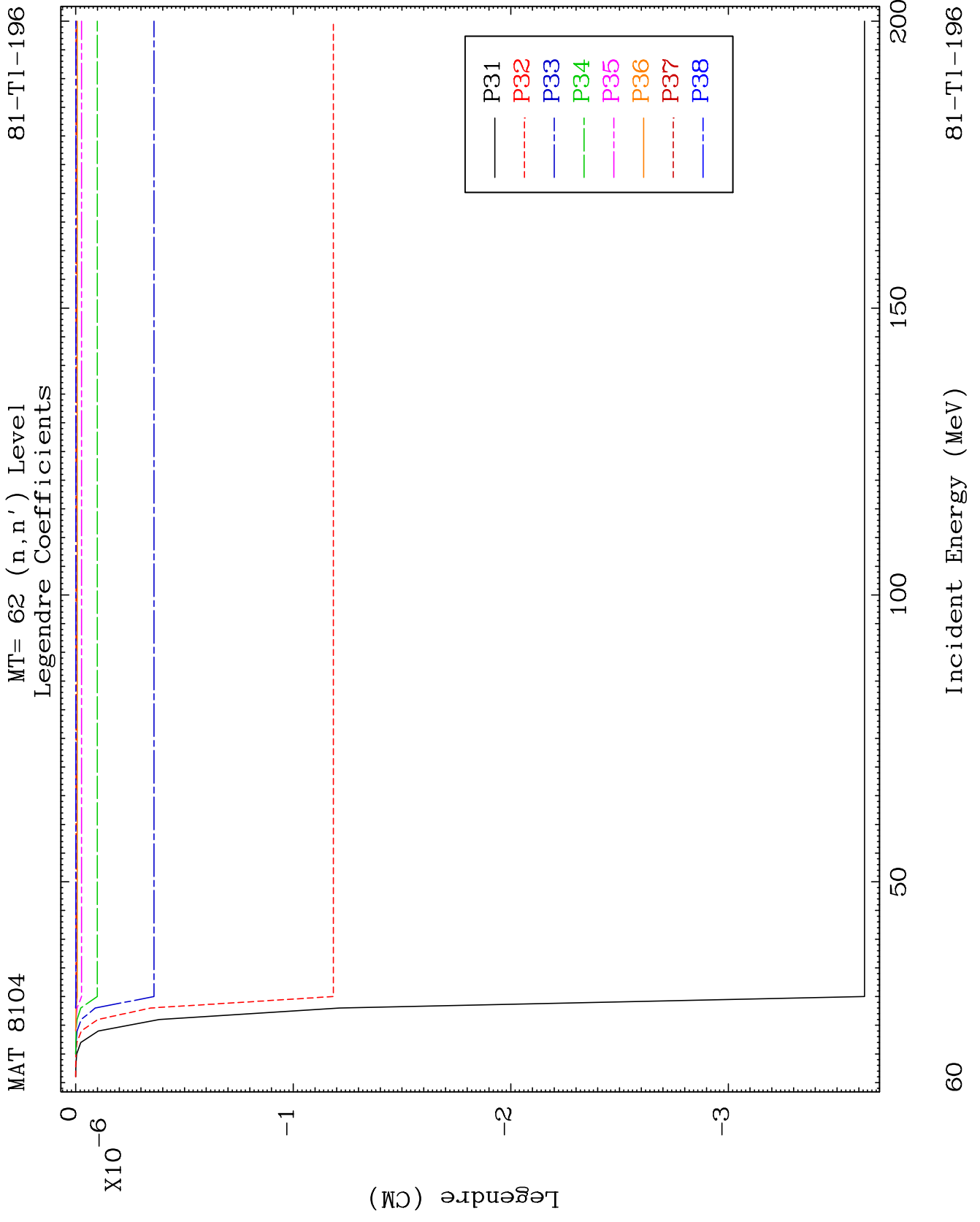
81-Tl-196



59

Incident Energy (MeV)

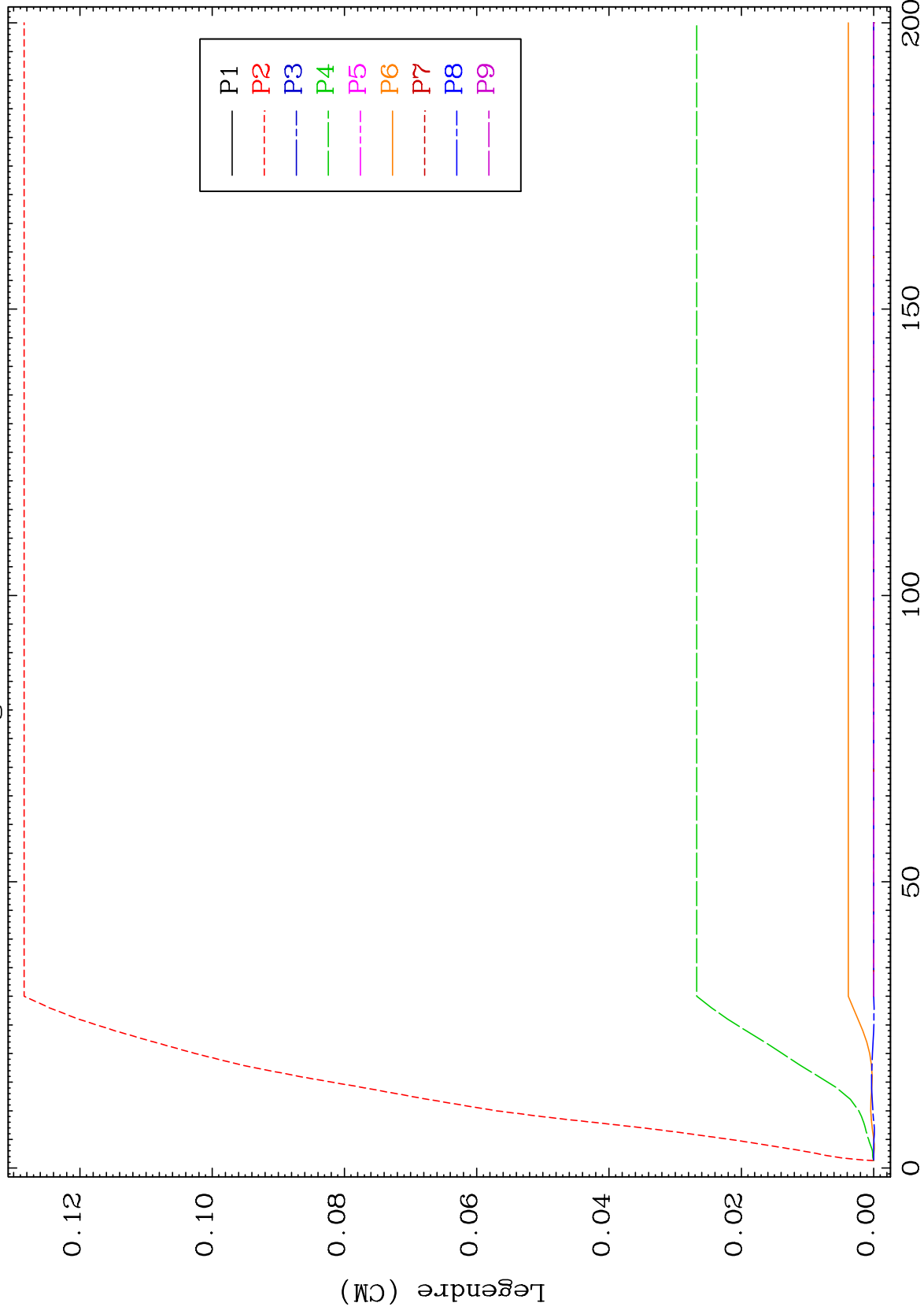
81-Tl-196



MAT 8104

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

81-T1-196



61

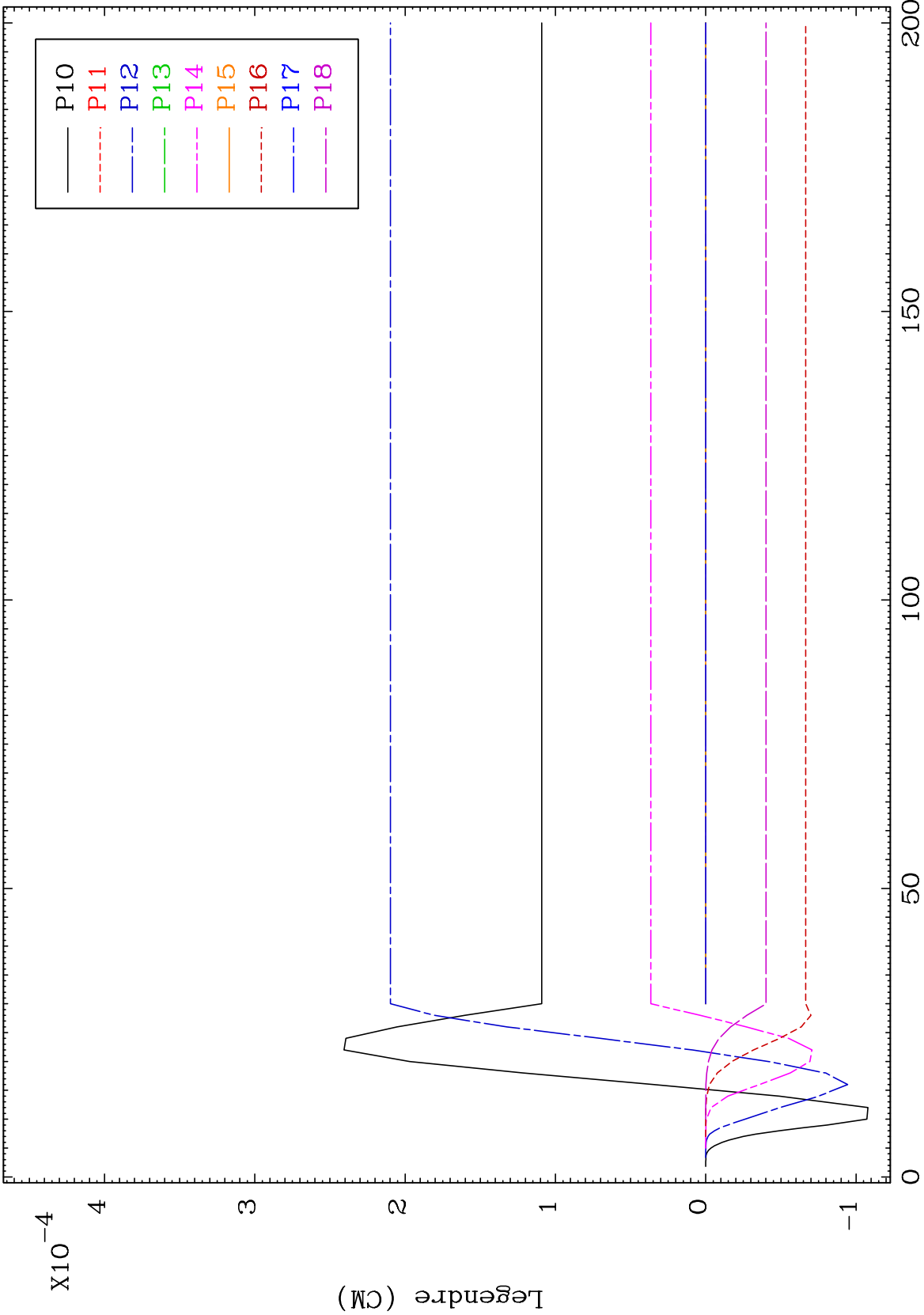
Incident Energy (MeV)

81-T1-196

MAT 8104

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

81-T1-196



62

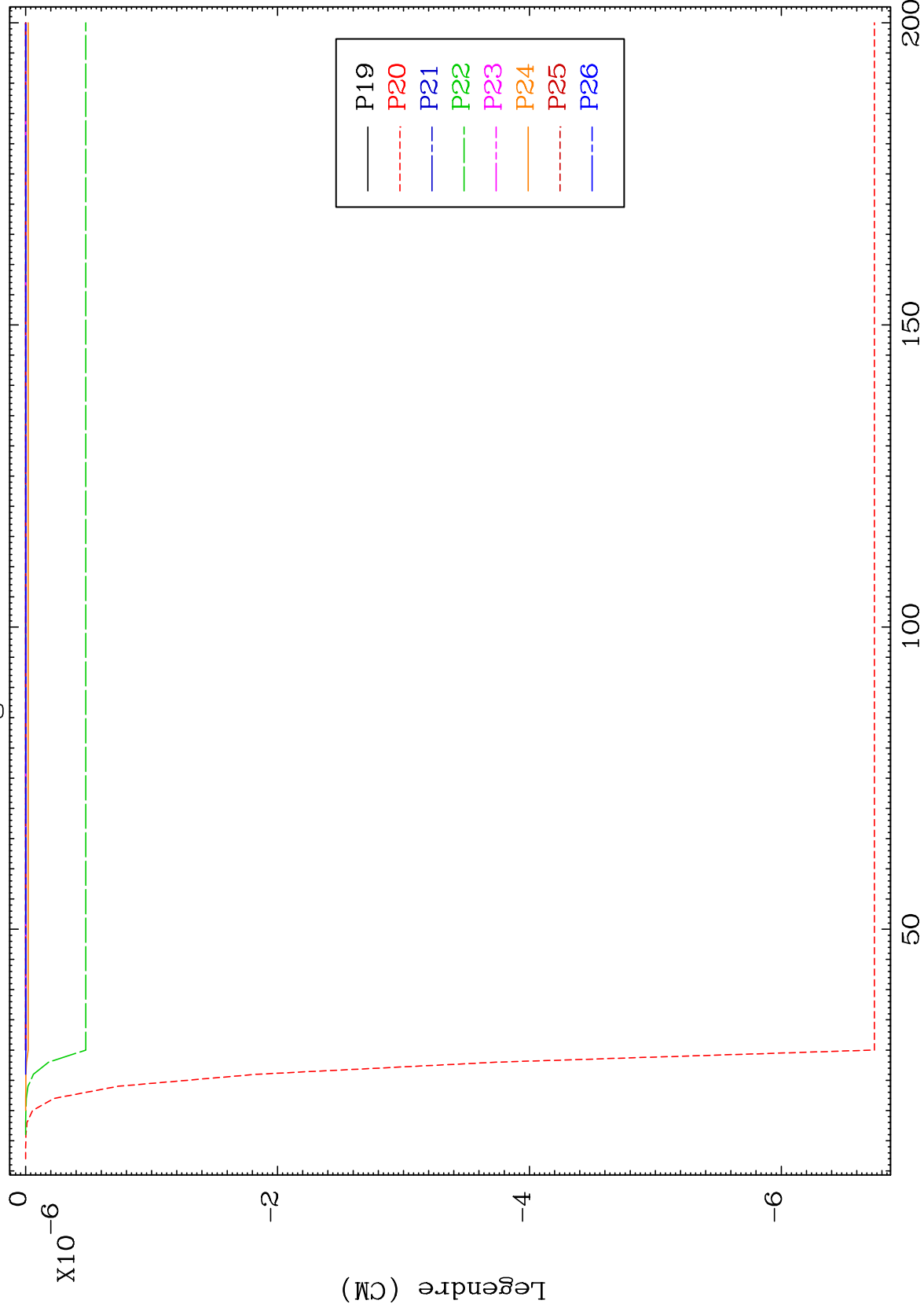
Incident Energy (MeV)

81-T1-196

MAT 8104

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

81-T1-196



63

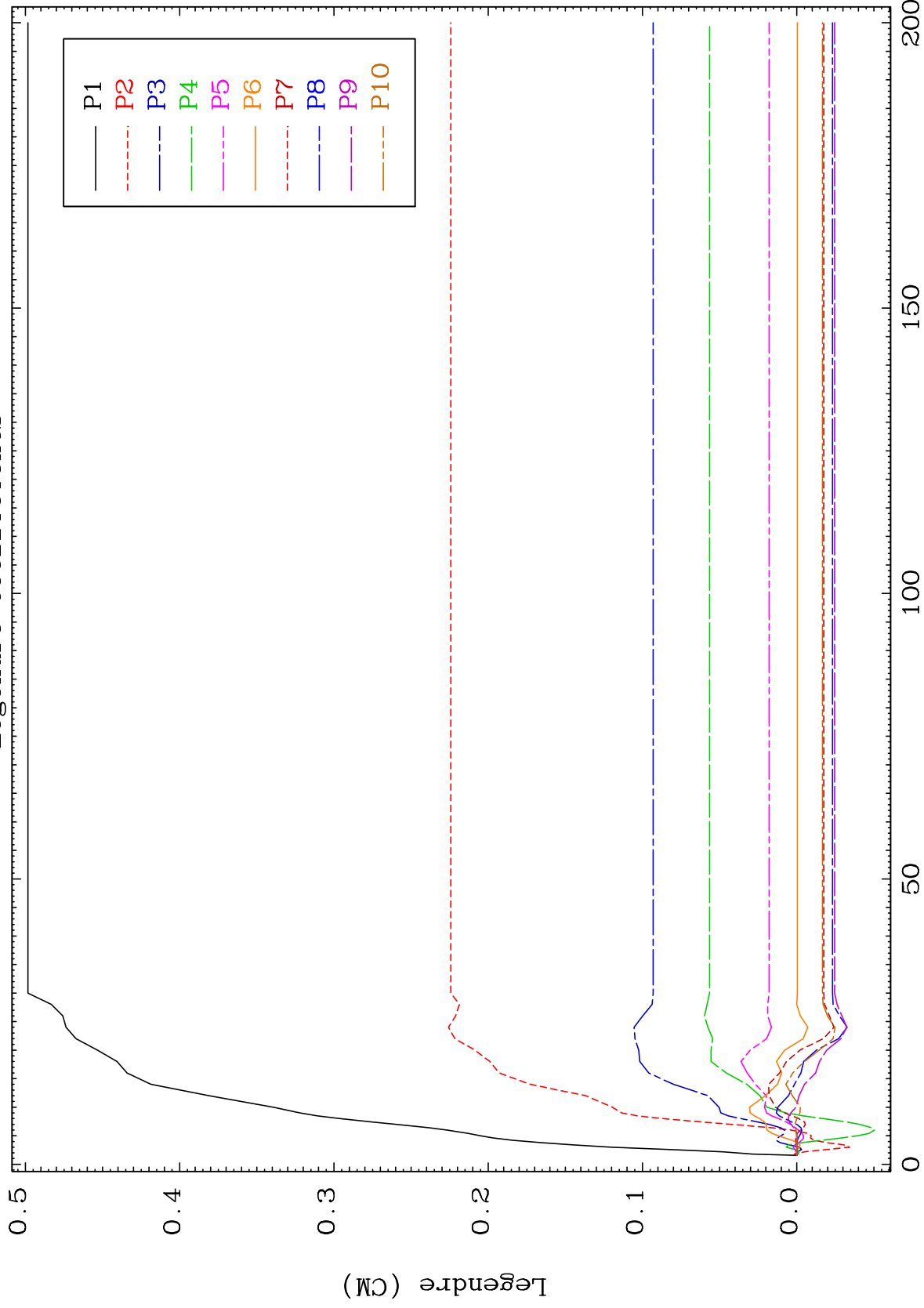
Incident Energy (MeV)

81-T1-196

MAT 8104

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

81-T1-196



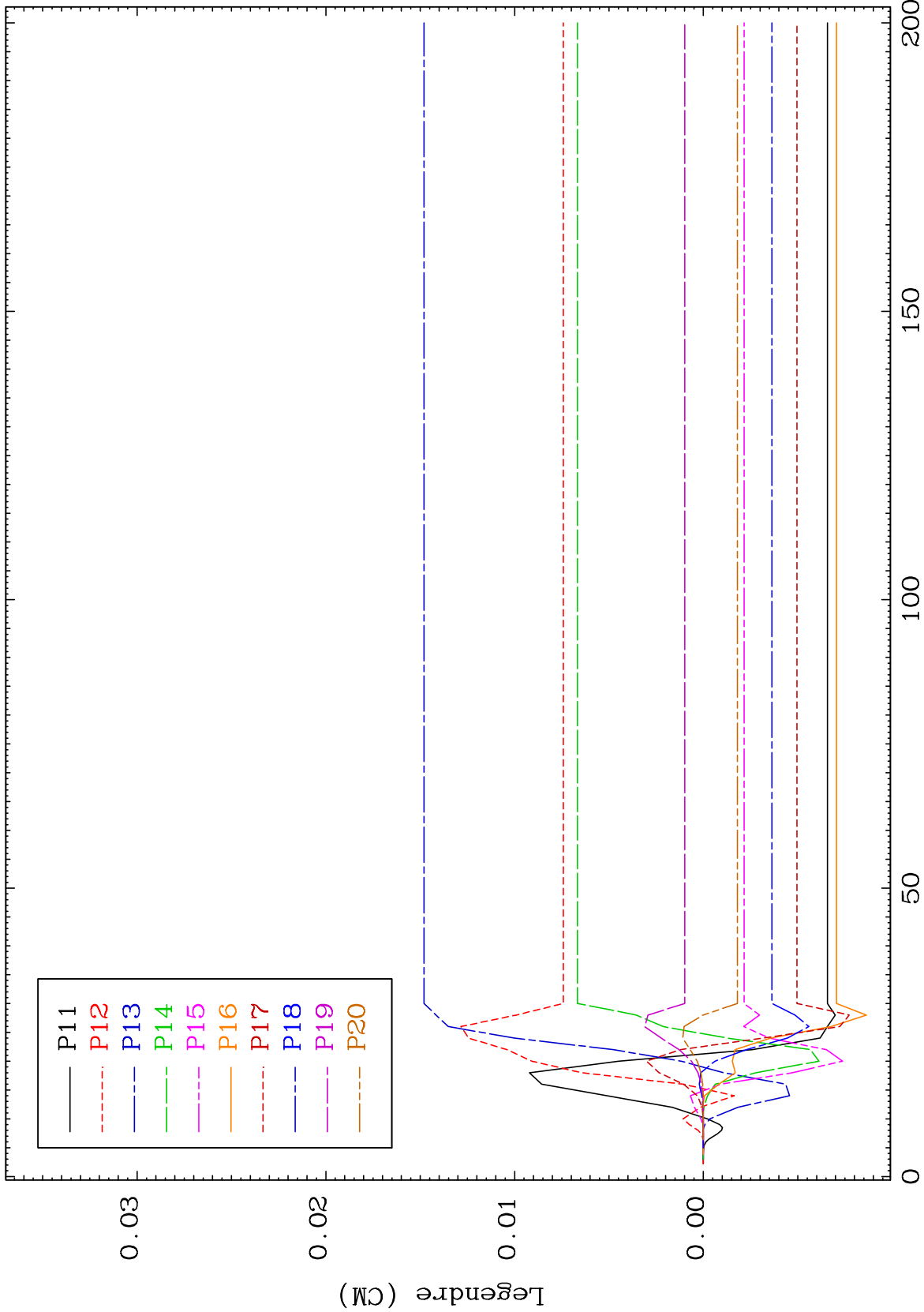
64

81-T1-196

MAT 8104

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

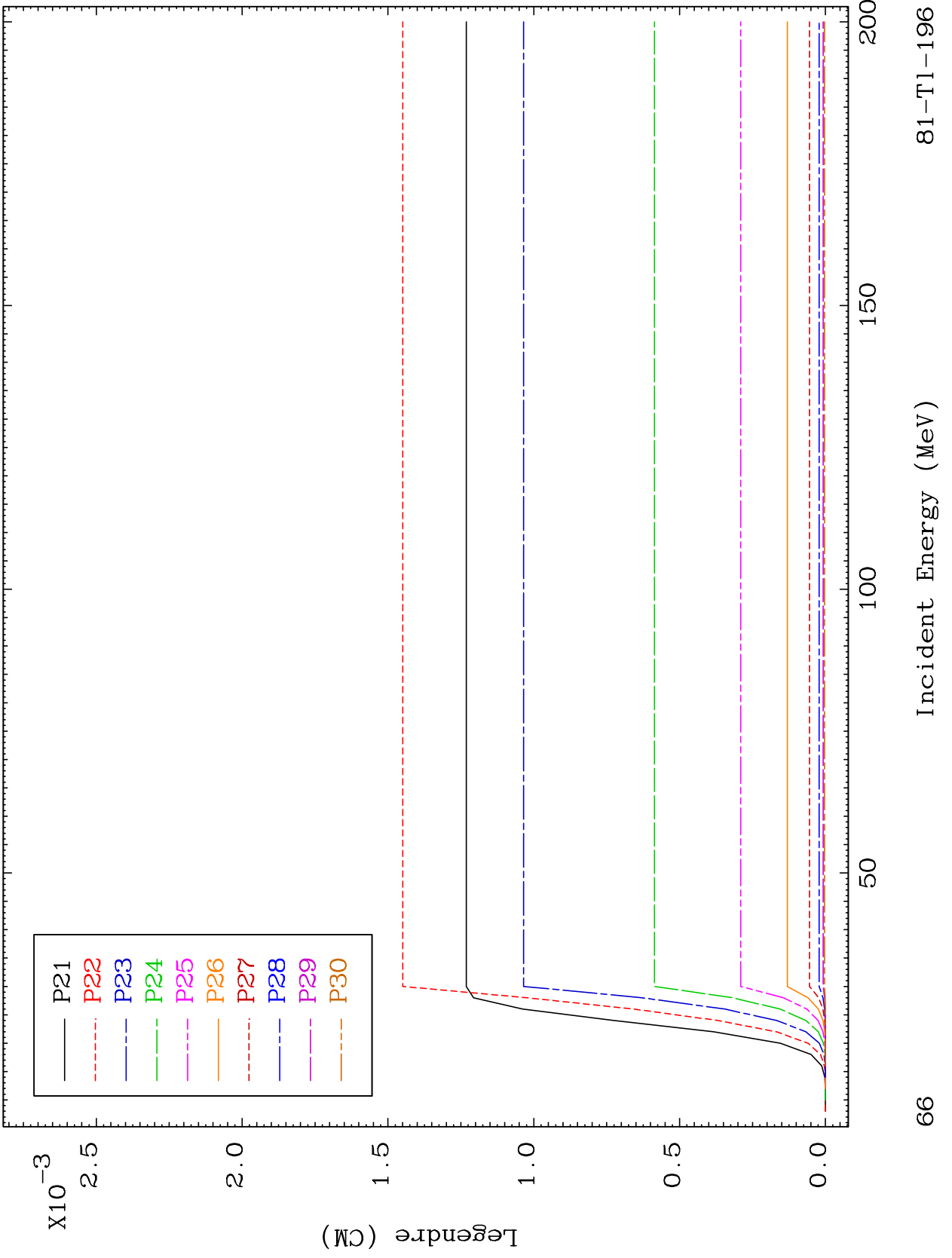
81-Tl-196



65

Incident Energy (MeV)

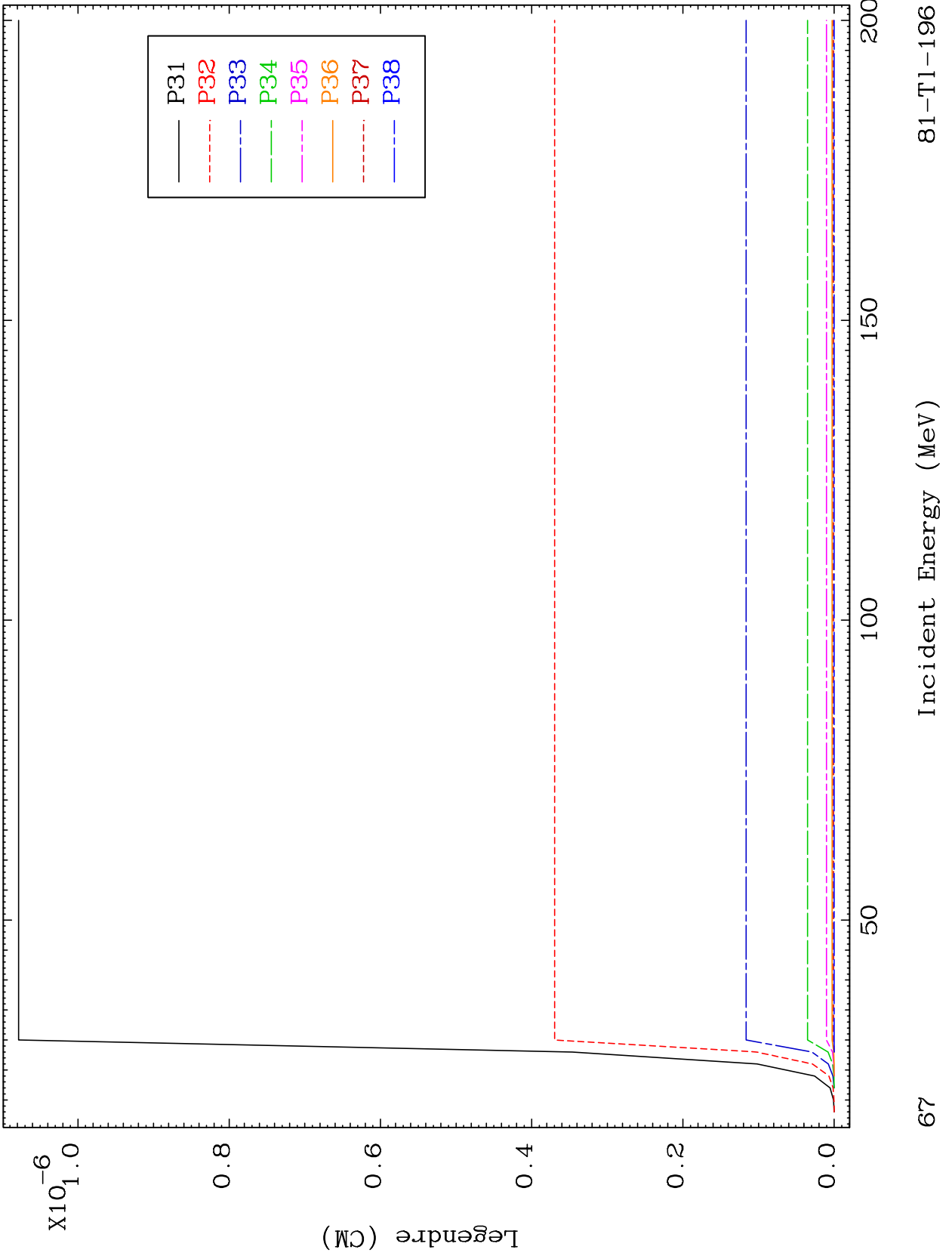
81-Tl-196



MAT 8104

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

81-T1-196



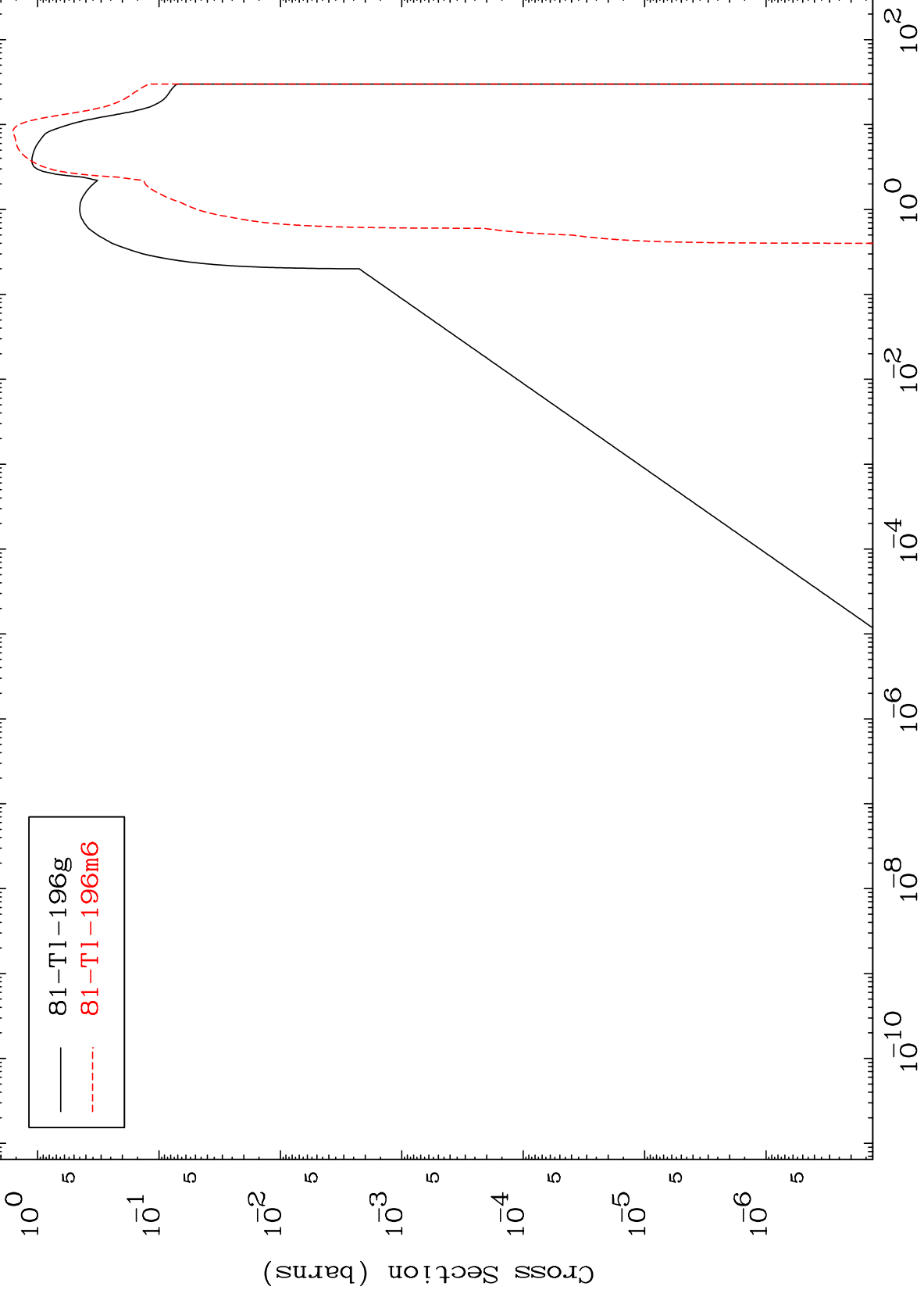
67

81-T1-196

MAT 8104

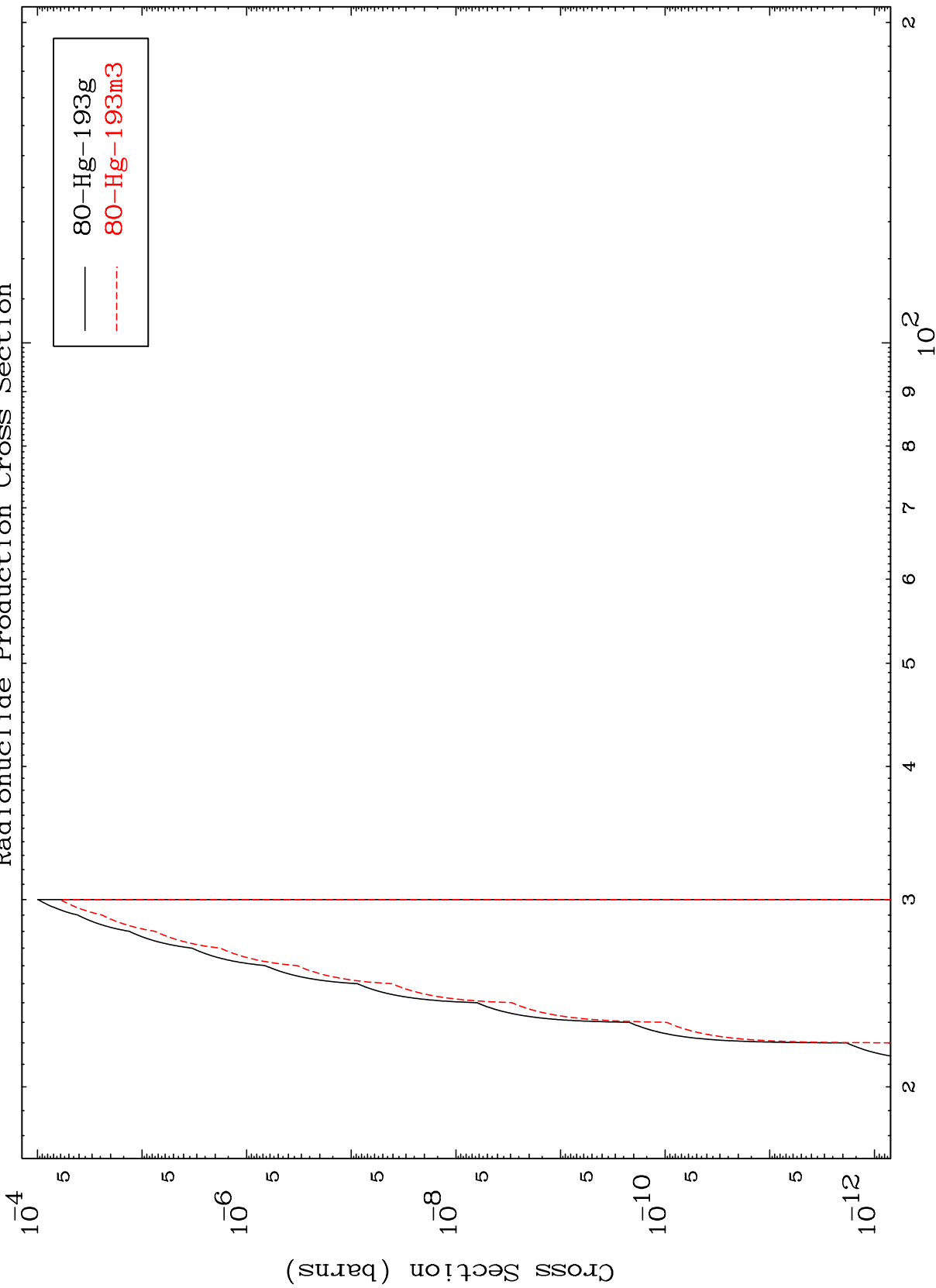
Inelastic
Radionuclide Production Cross Section

81-Tl-196



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

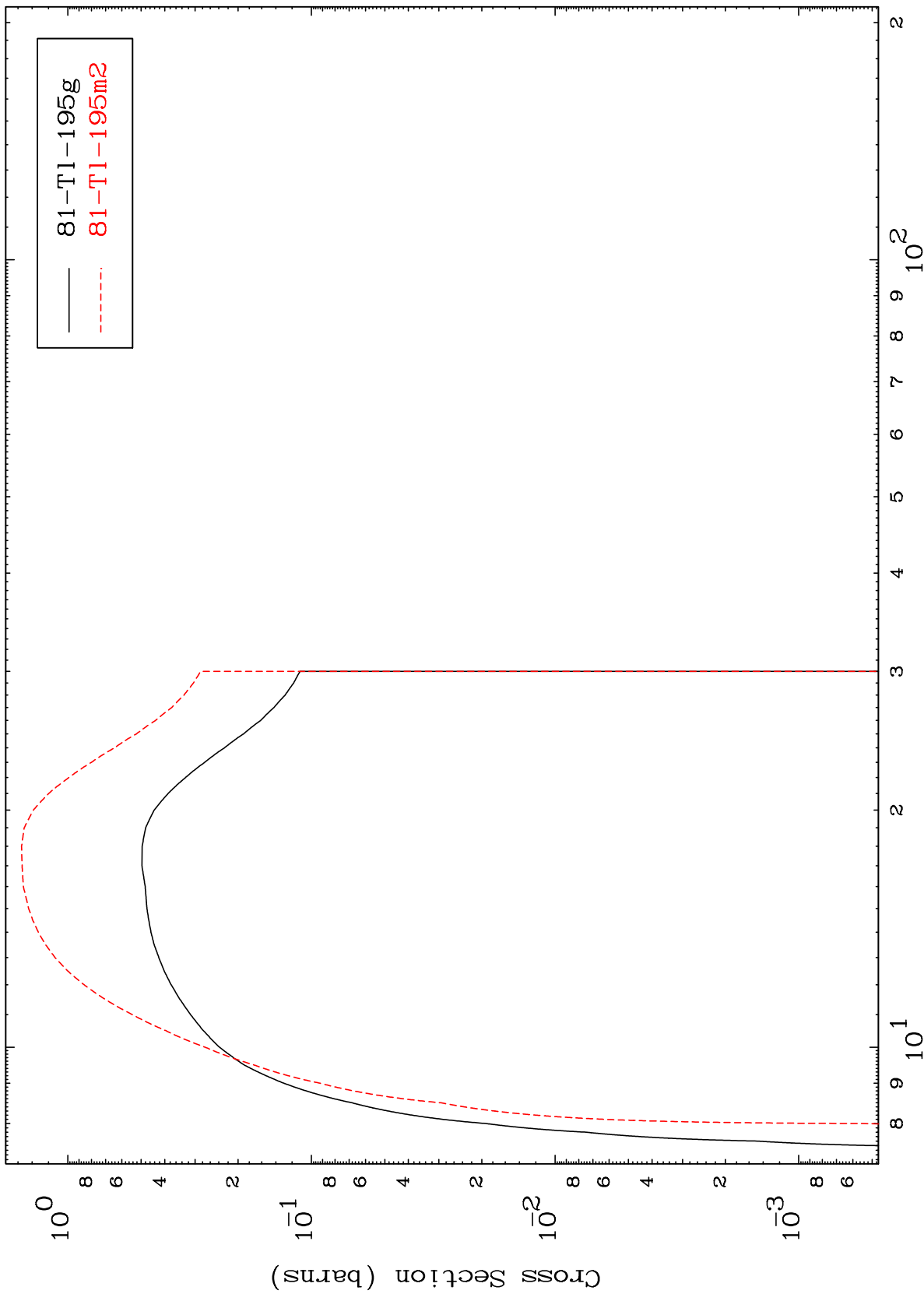
Radionuclide Production Cross Section



MAT 8104

81-Tl-196

(n,2n)
Radionuclide Production Cross Section



70

Incident Energy (MeV)

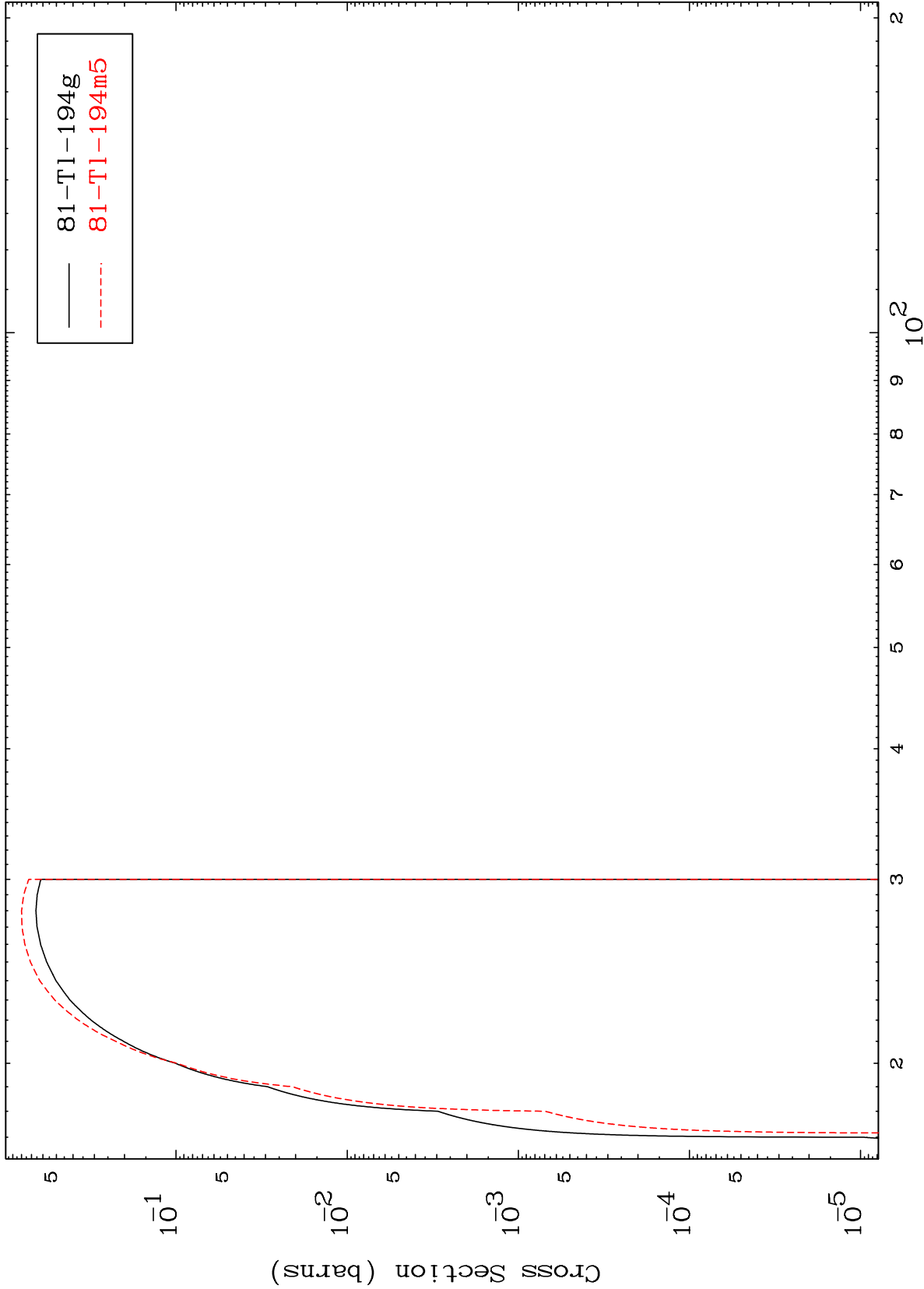
81-Tl-196

MAT 8104

(n,3n)

81-Tl-196

Radionuclide Production Cross Section



71

Incident Energy (MeV)

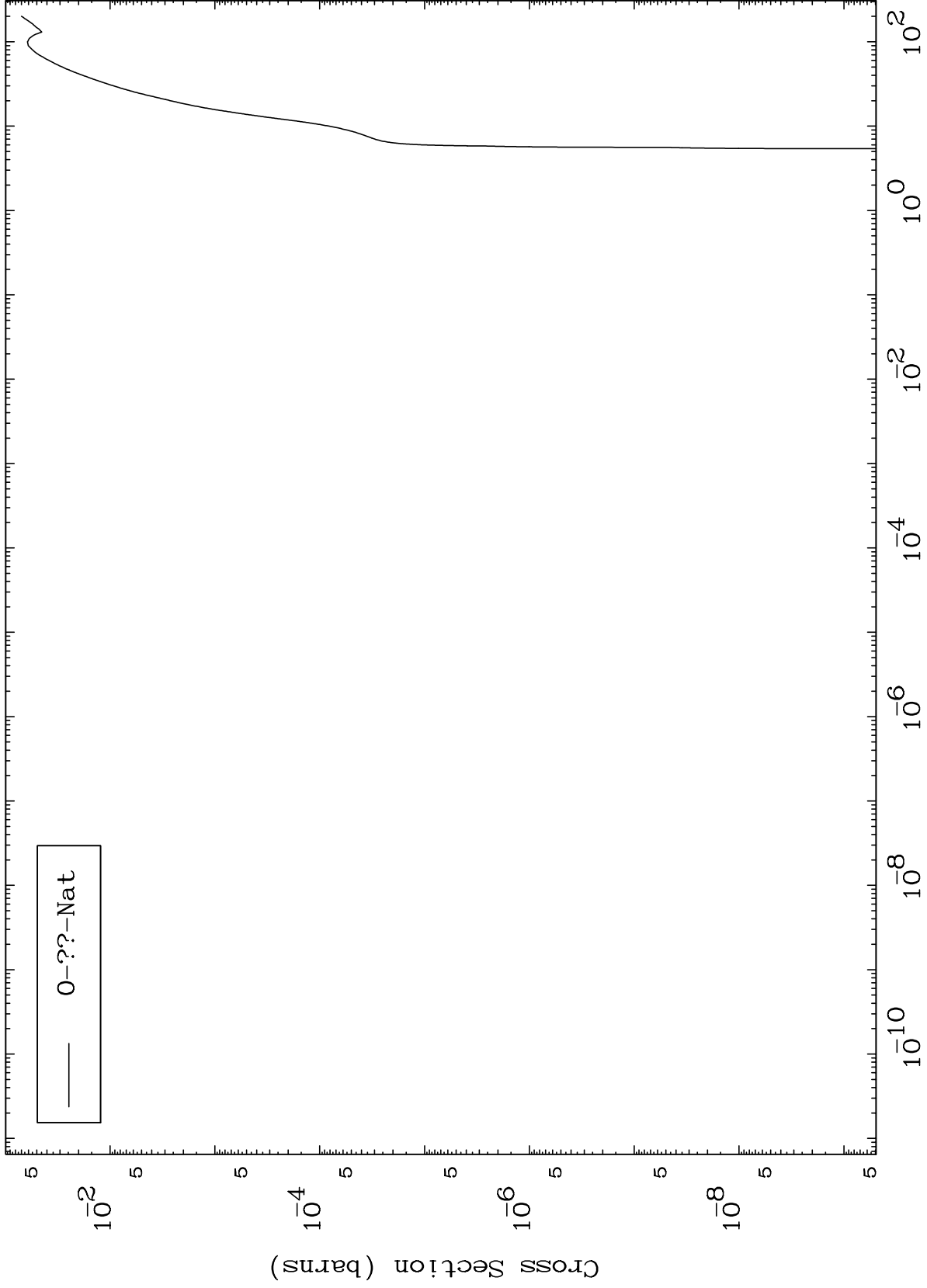
81-Tl-196

MAT 8104

Fission

81-Tl-196

Radionuclide Production Cross Section



0-??-Nat

72

Incident Energy (MeV)

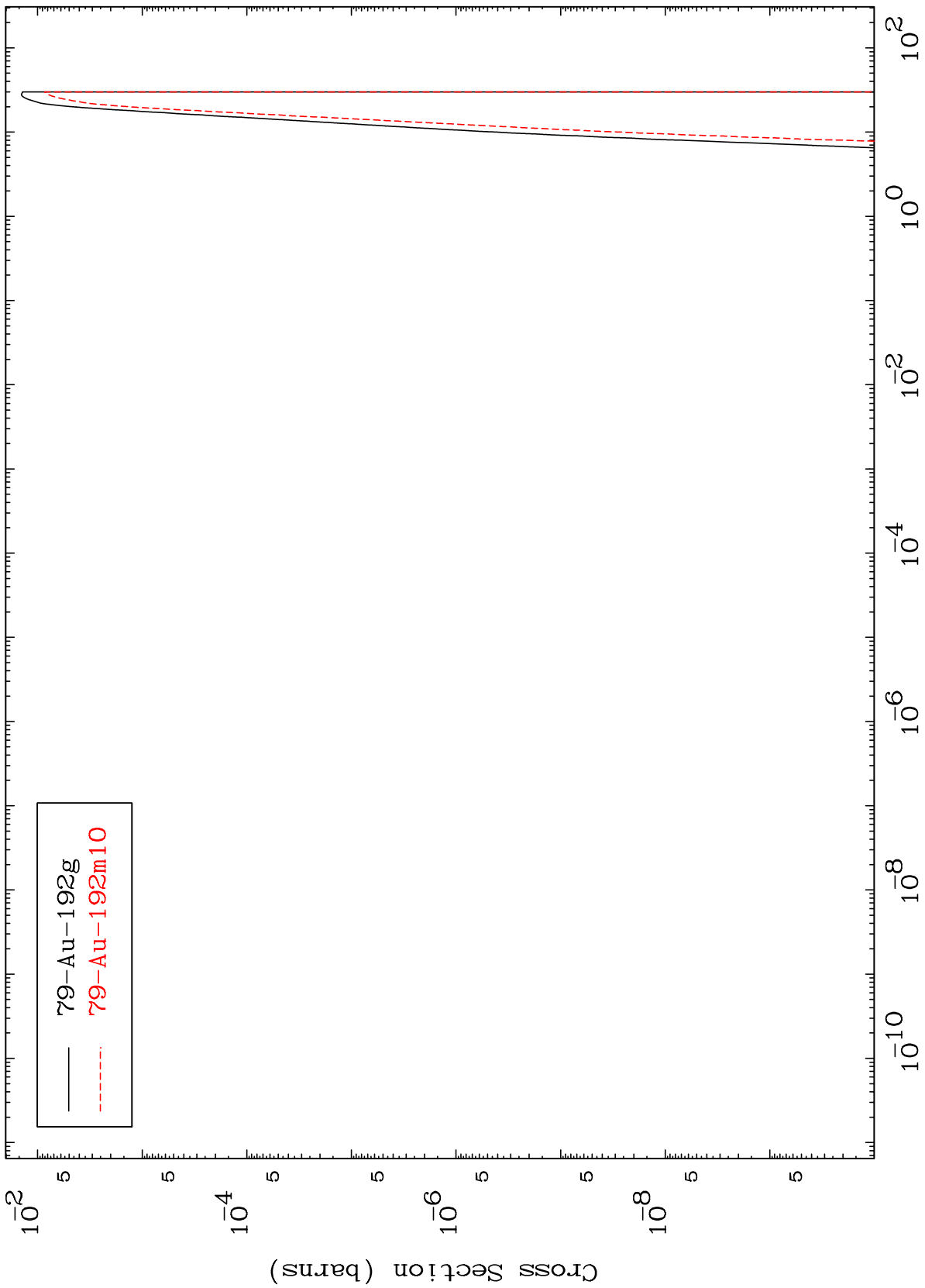
81-Tl-196

MAT 8104

$(n, n') \alpha$

81-Tl-196

Radionuclide Production Cross Section



— $^{79}\text{Au-192g}$
- - - $^{79}\text{Au-192m10}$

73

Incident Energy (MeV)

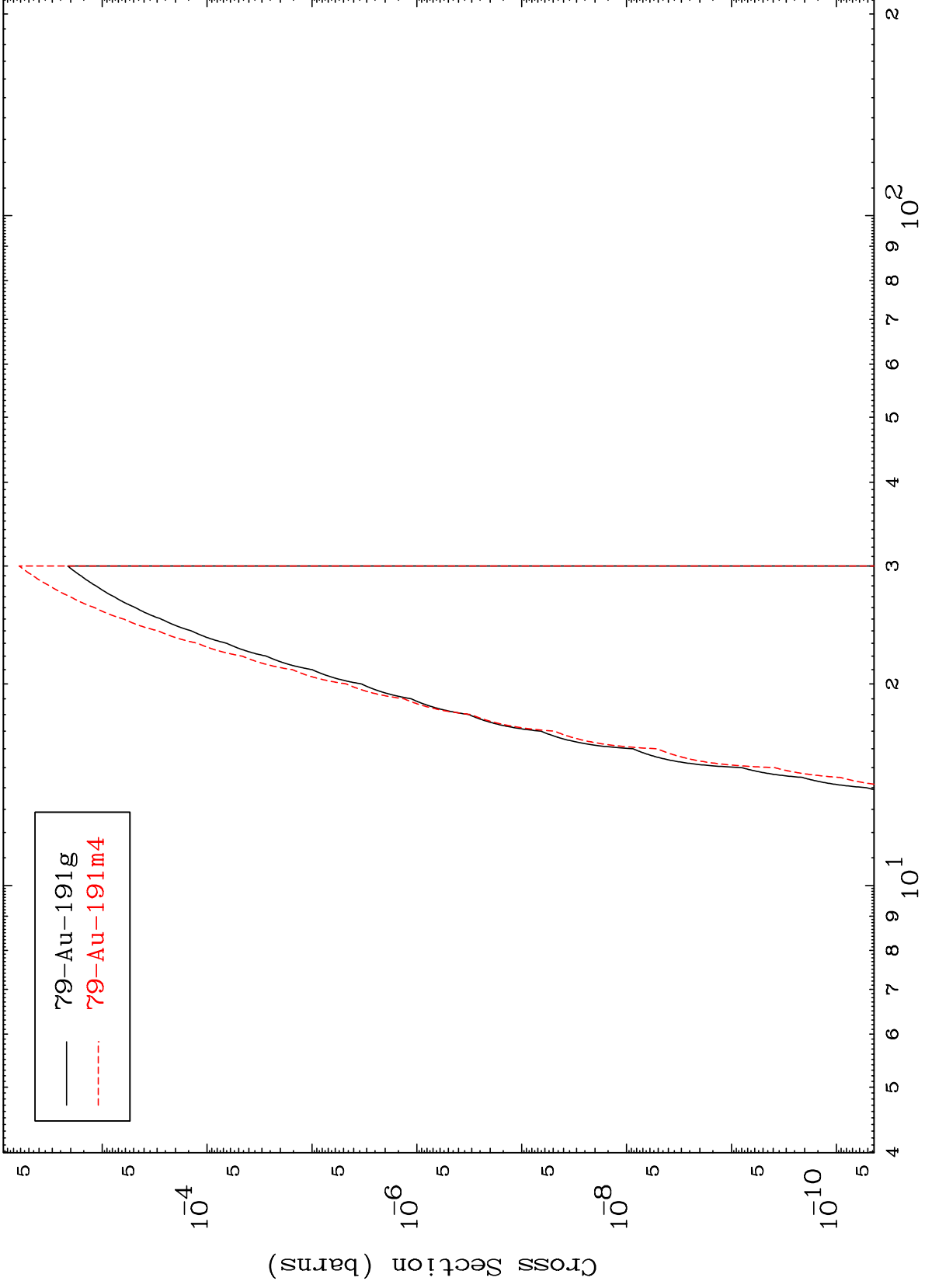
81-Tl-196

MAT 8104

(n,2n) α

81-Tl-196

Radionuclide Production Cross Section



74

Incident Energy (MeV)

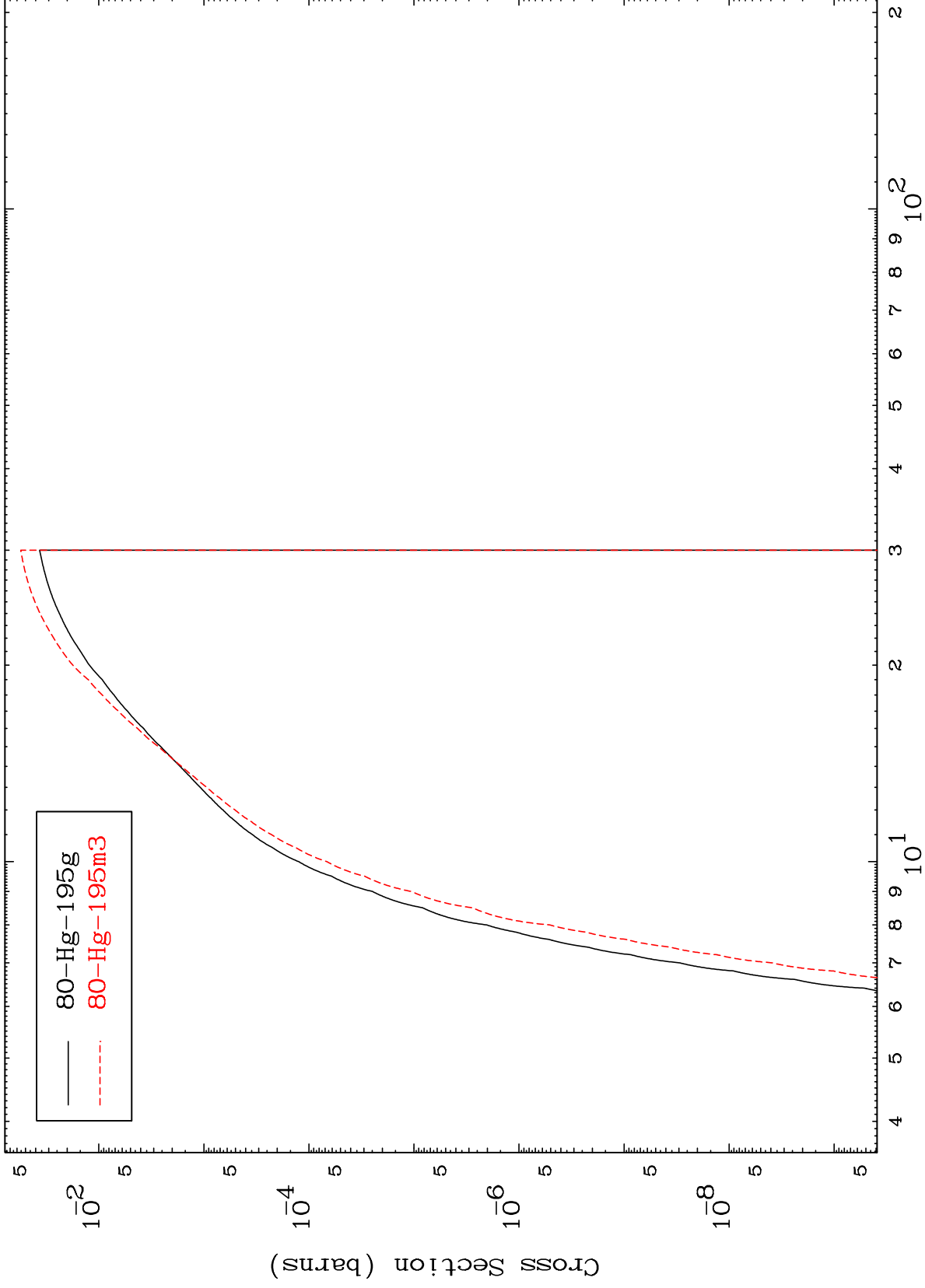
81-Tl-196

MAT 8104

(n,n') p

81-Tl-196

Radionuclide Production Cross Section

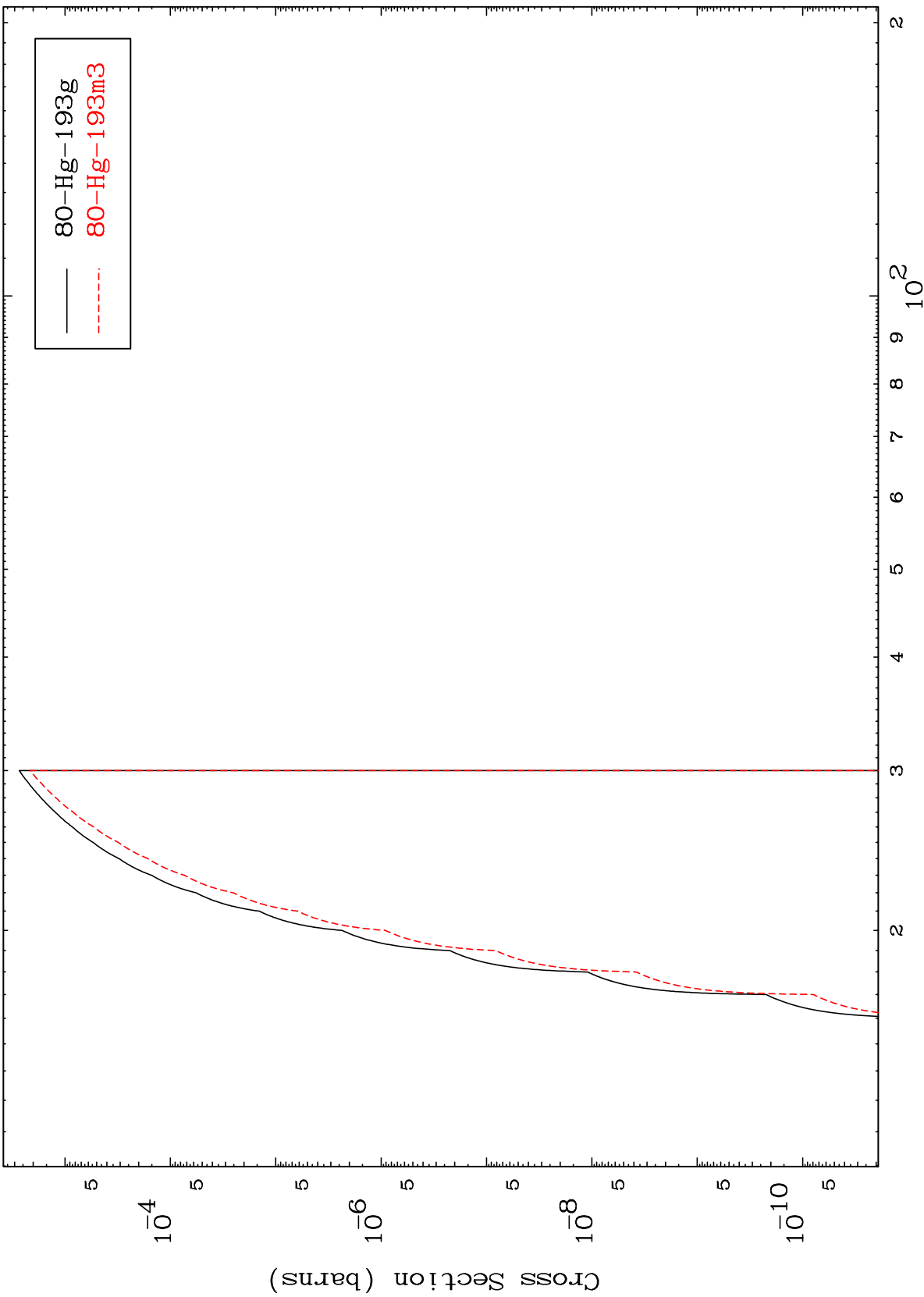


75

Incident Energy (MeV)

81-Tl-196

Radionuclide Production Cross Section

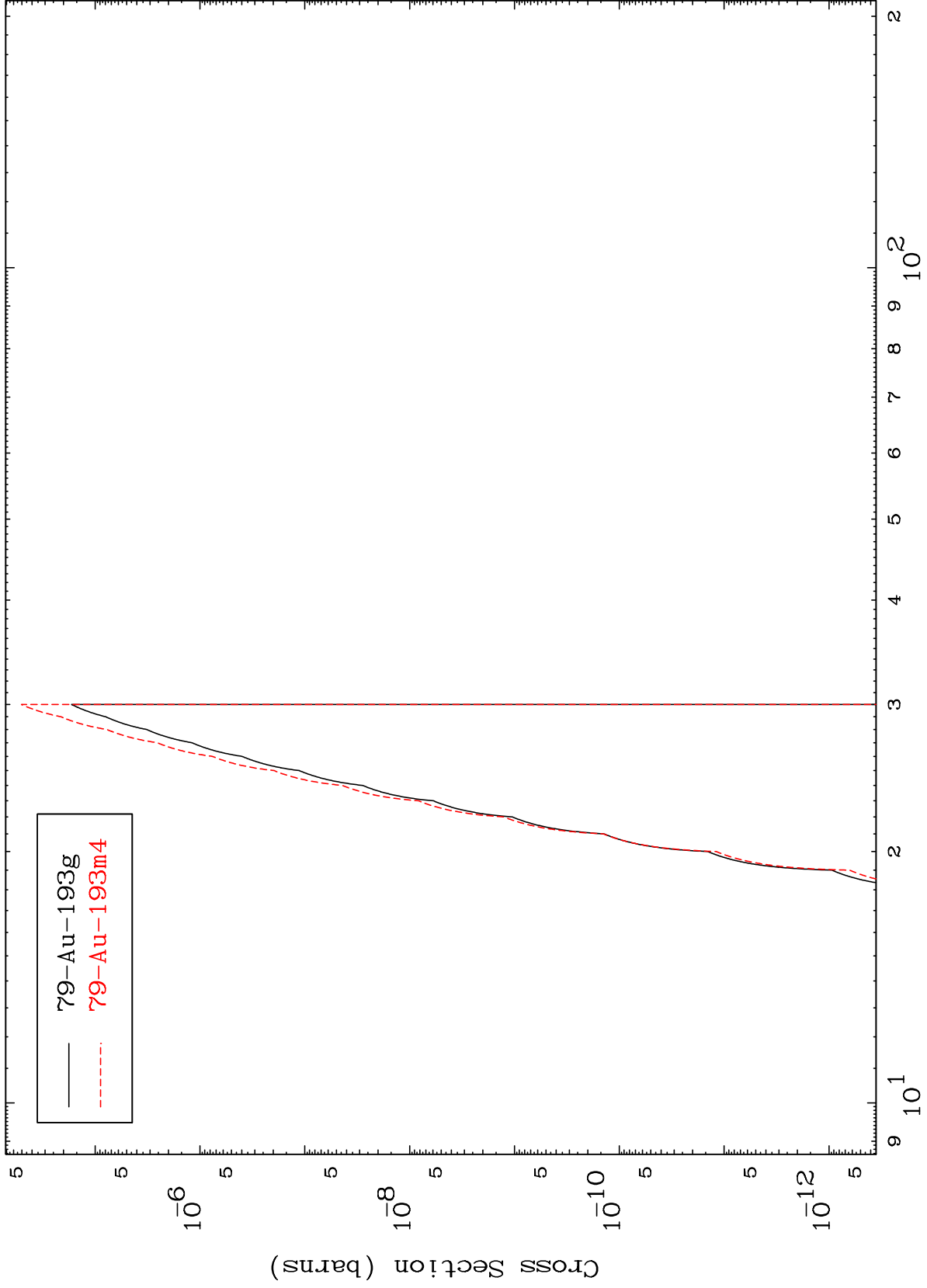


MAT 8104

(n,n') He-3

81-Tl-196

Radionuclide Production Cross Section



77

Incident Energy (MeV)

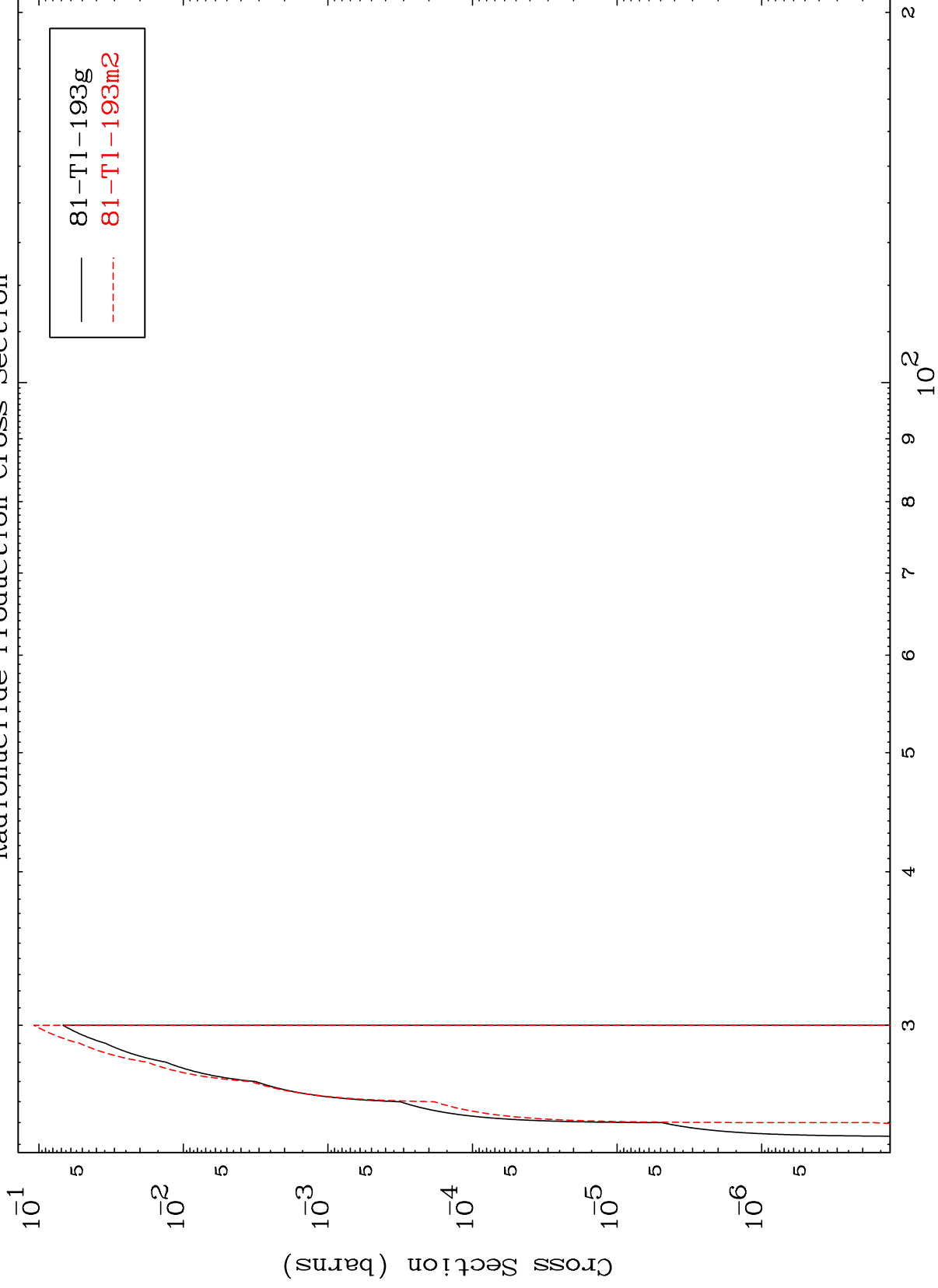
81-Tl-196

MAT 8104

(n,4n)

81-Tl-196

Radionuclide Production Cross Section



78

Incident Energy (MeV)

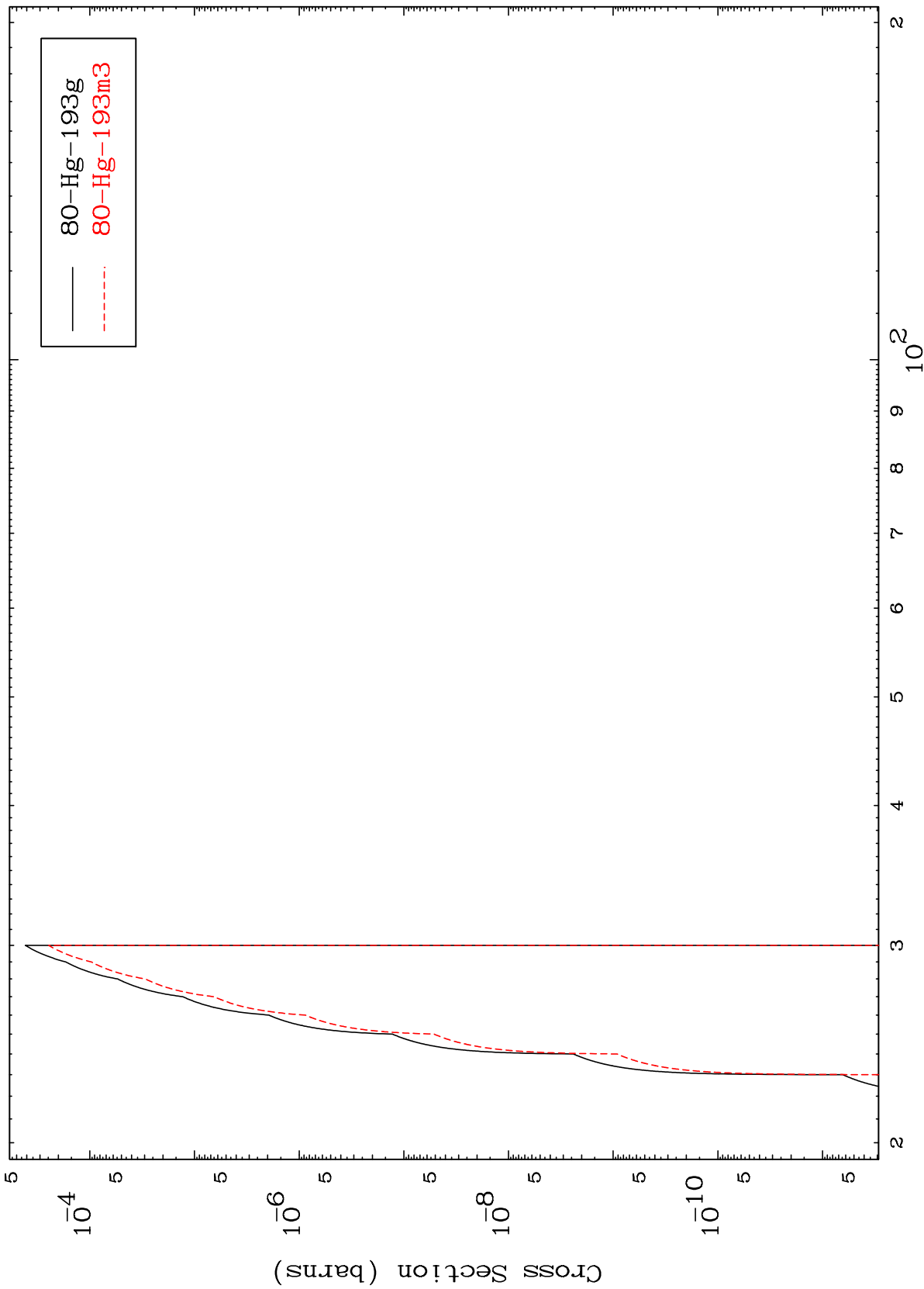
81-Tl-196

MAT 8104

(n,3n) p

81-Tl-196

Radionuclide Production Cross Section



79

Incident Energy (MeV)

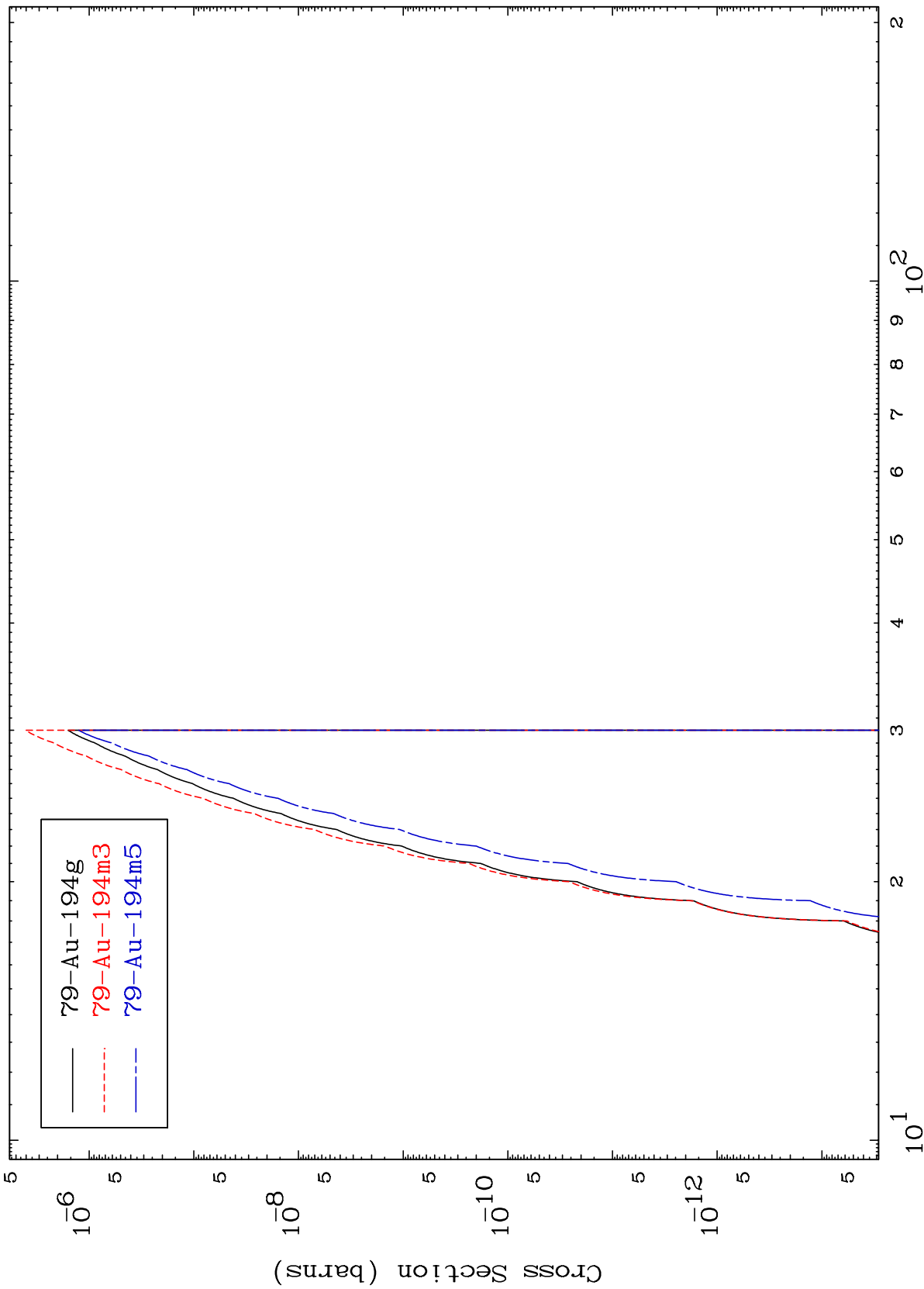
81-Tl-196

MAT 8104

(n,2n) p

81-Tl-196

Radionuclide Production Cross Section



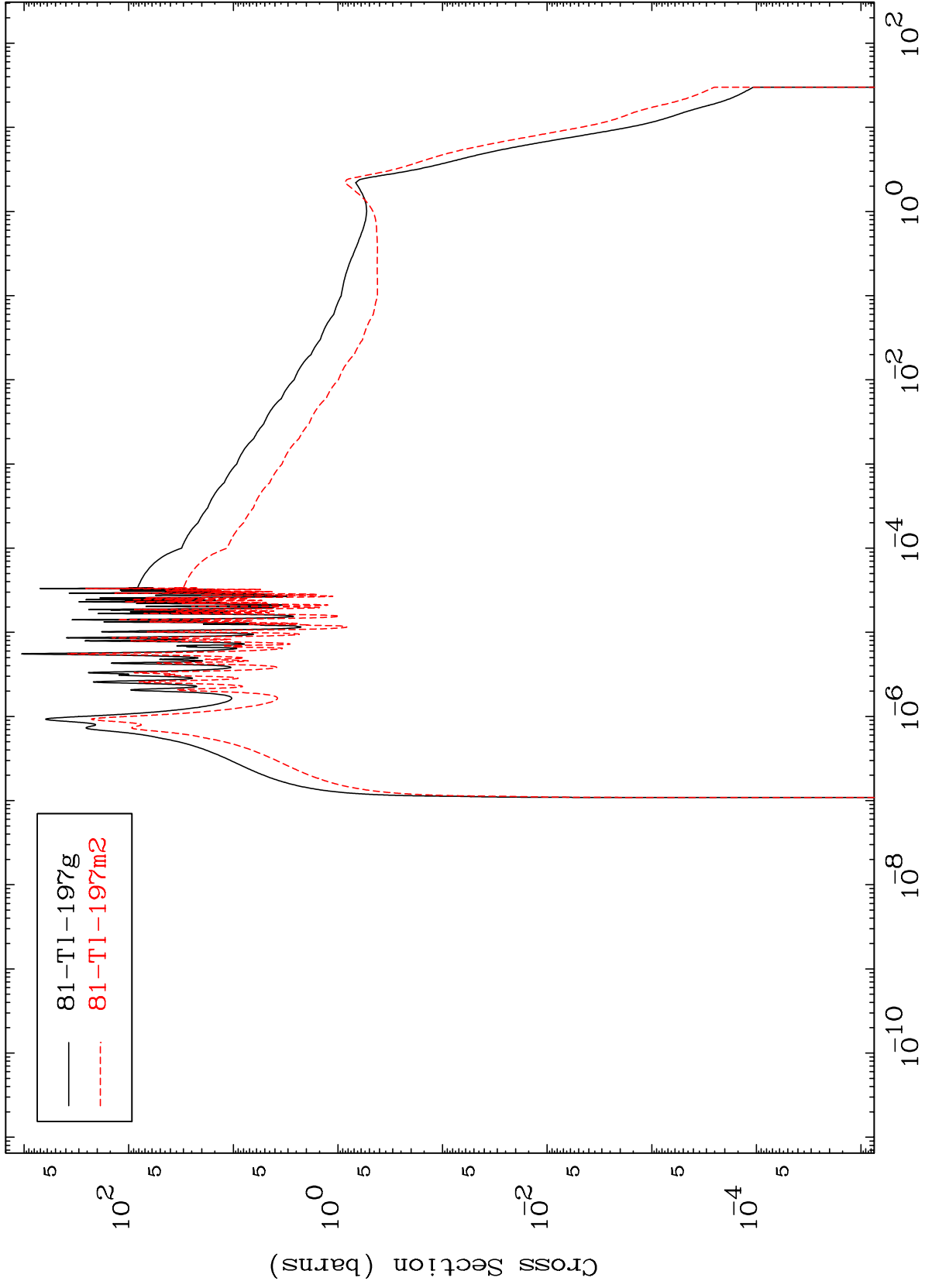
Incident Energy (MeV)

81-Tl-196

MAT 8104

81-Tl-196

Radionuclide Production Cross Section
(n,γ)



81

81-Tl-196

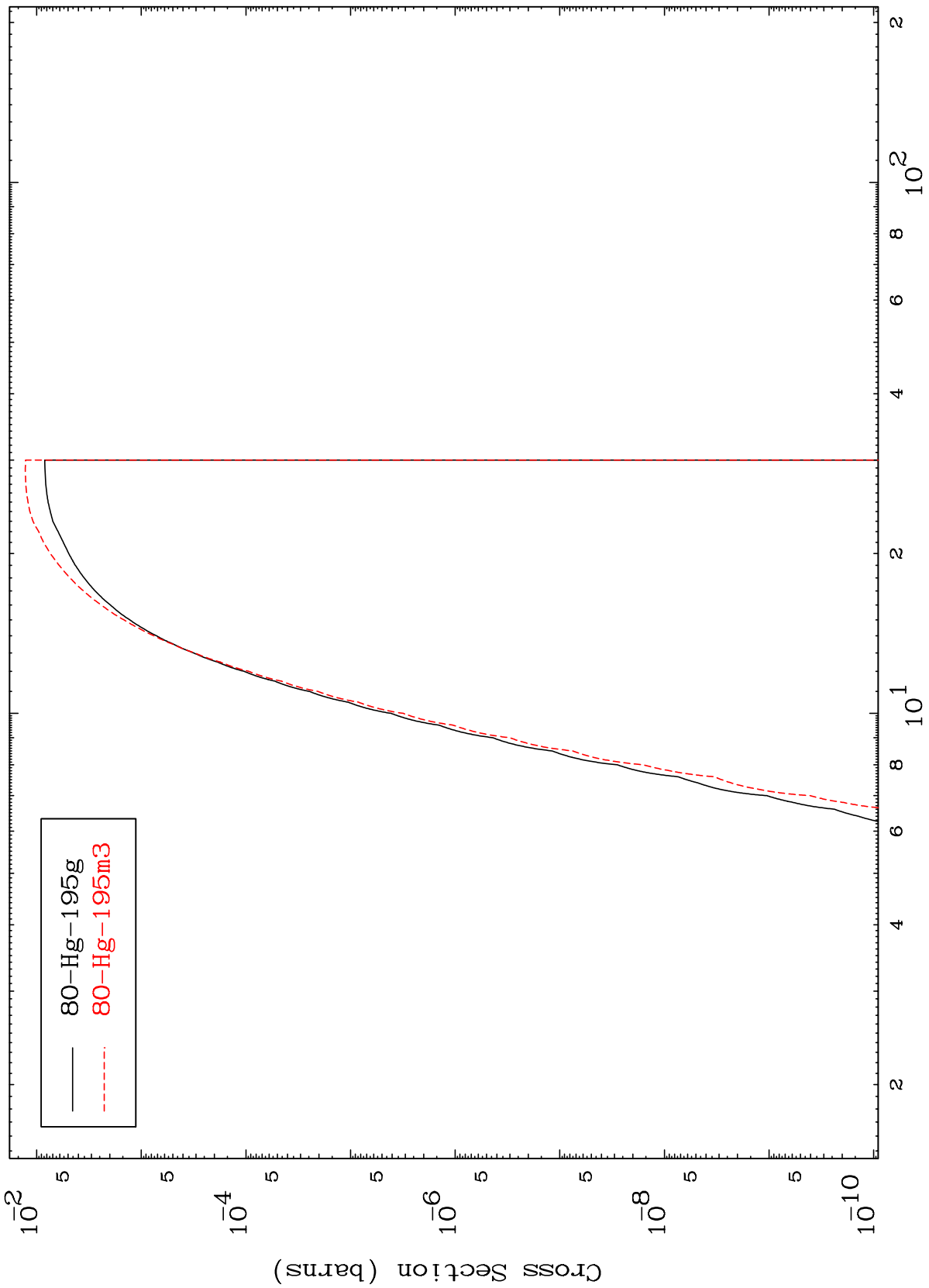
Incident Energy (MeV)

MAT 8104

(n,d)

81-Tl-196

Radionuclide Production Cross Section



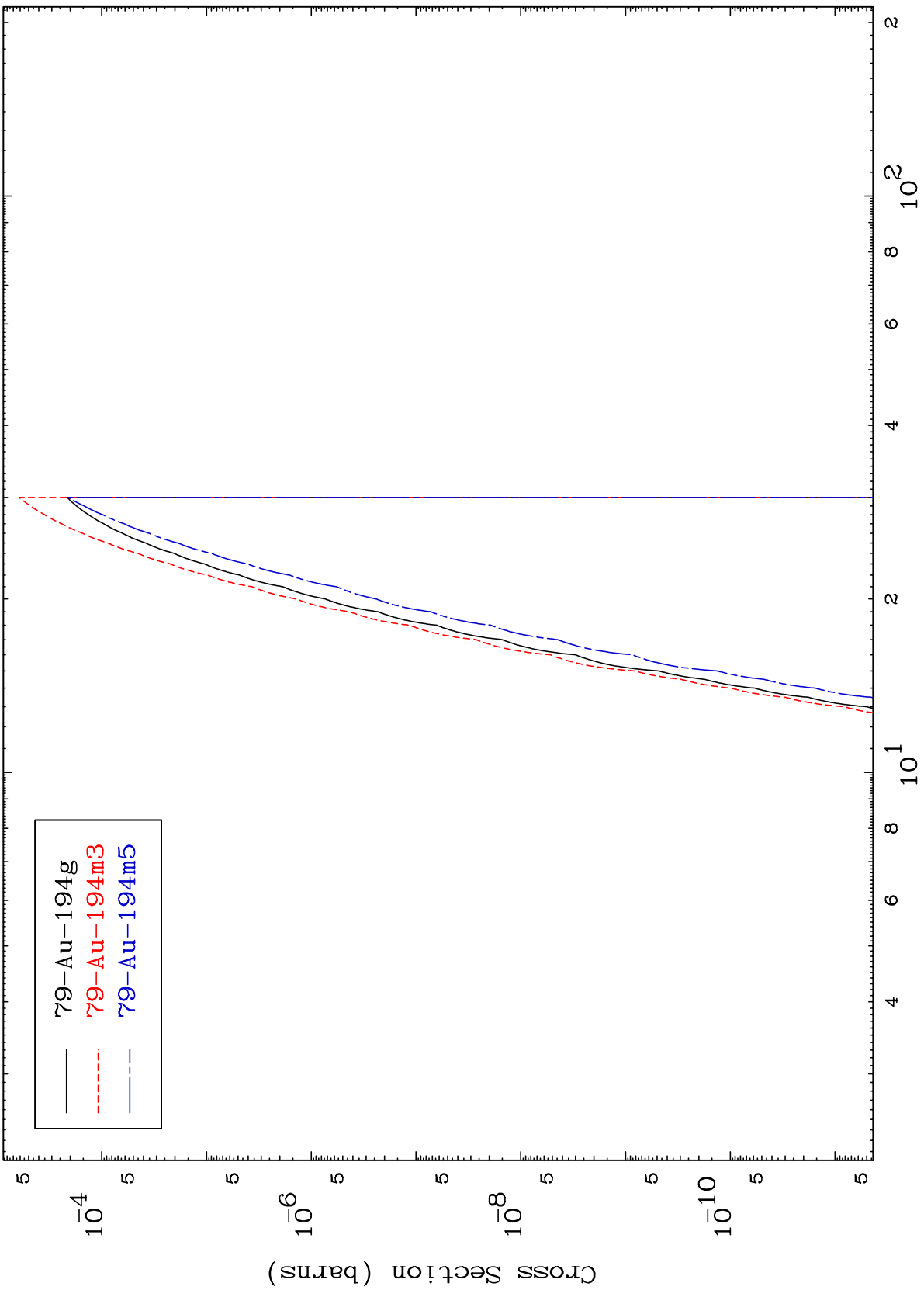
80-Hg-195g
80-Hg-195m3

82

Incident Energy (MeV)

81-Tl-196

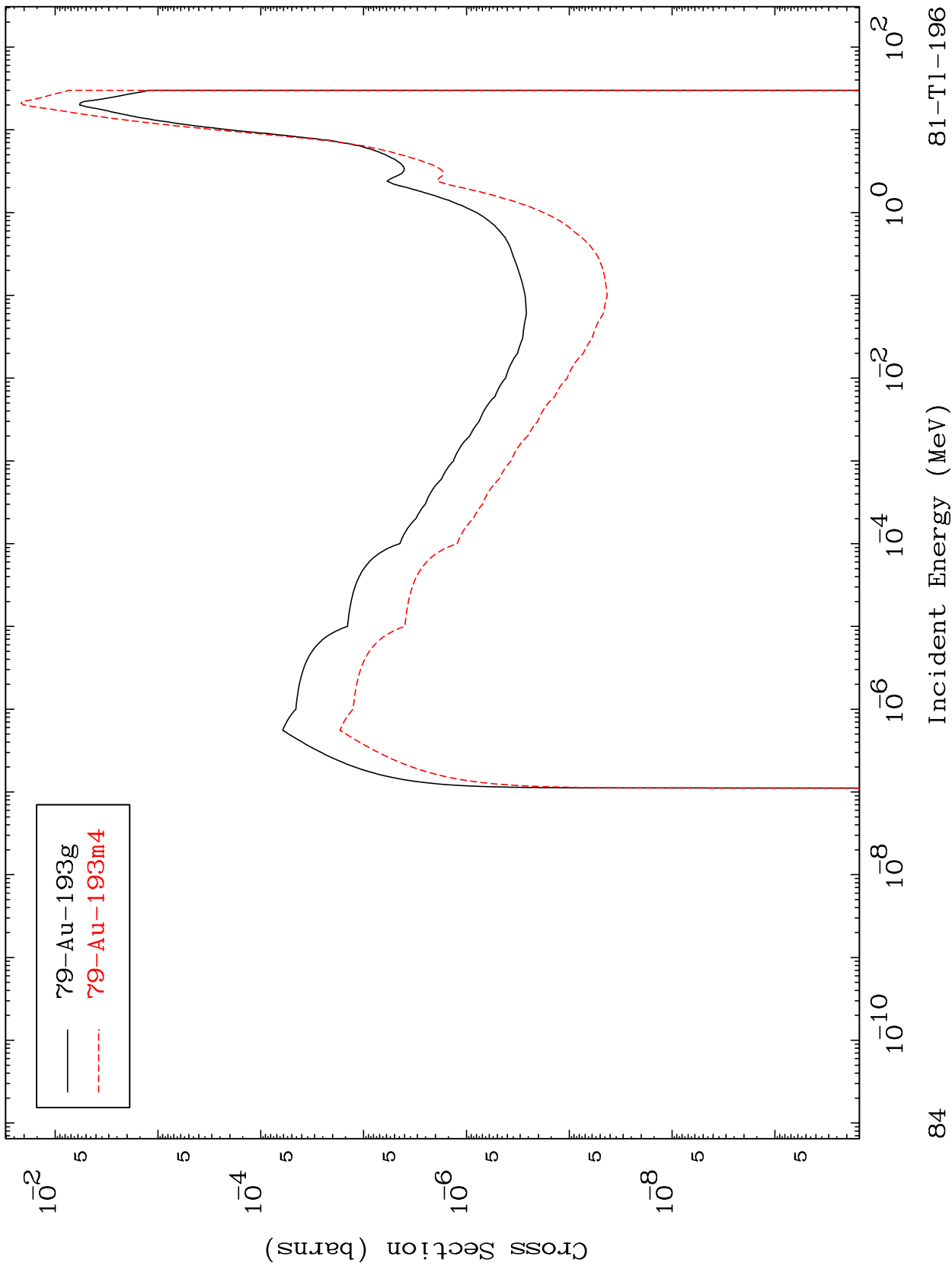
Radionuclide Production Cross Section
(n,He-3)



MAT 8104

81-Tl-196

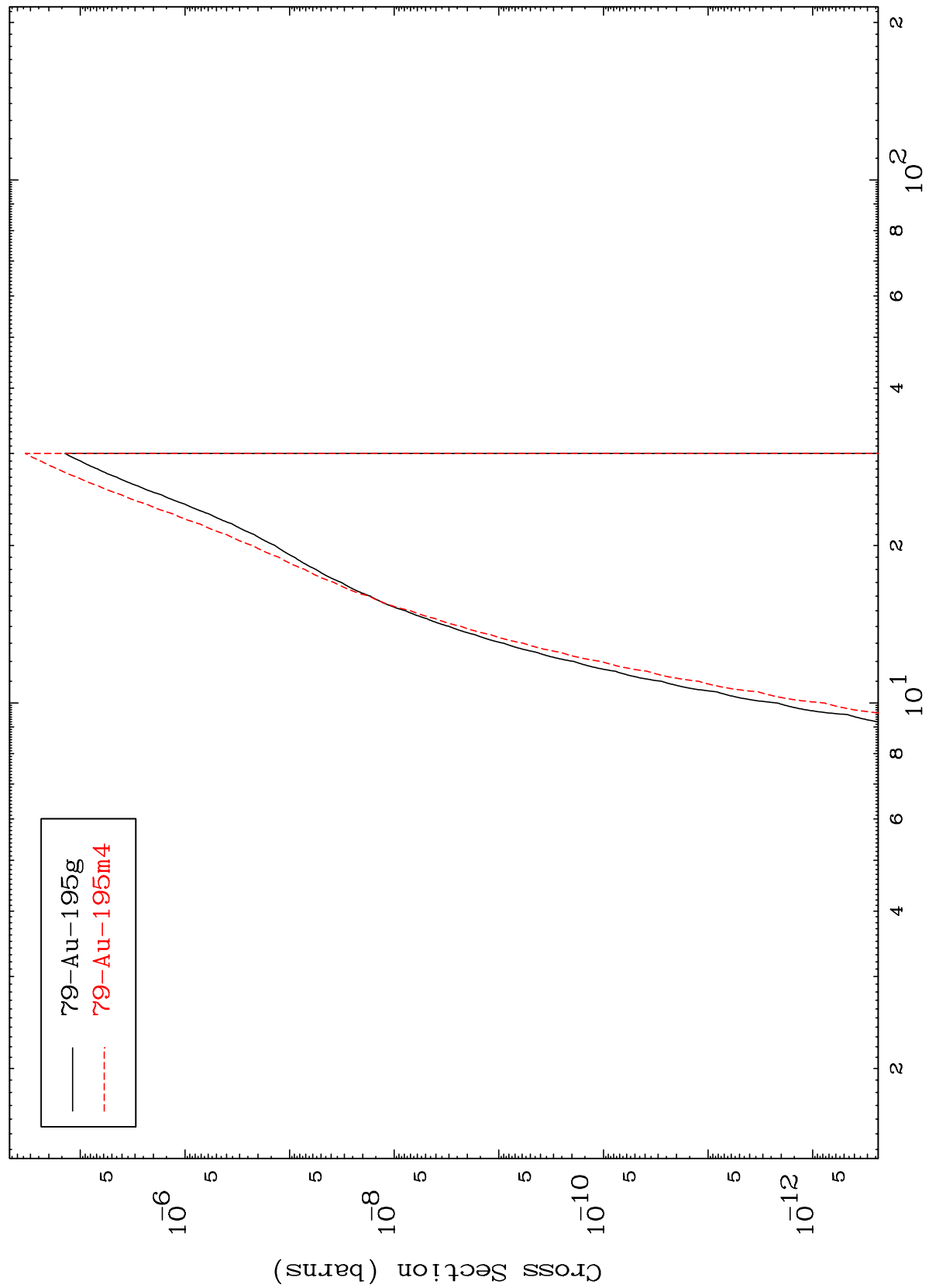
Radionuclide Production Cross Section
(n, α)



MAT 8104

81-Tl-196

(n,2p)
Radionuclide Production Cross Section



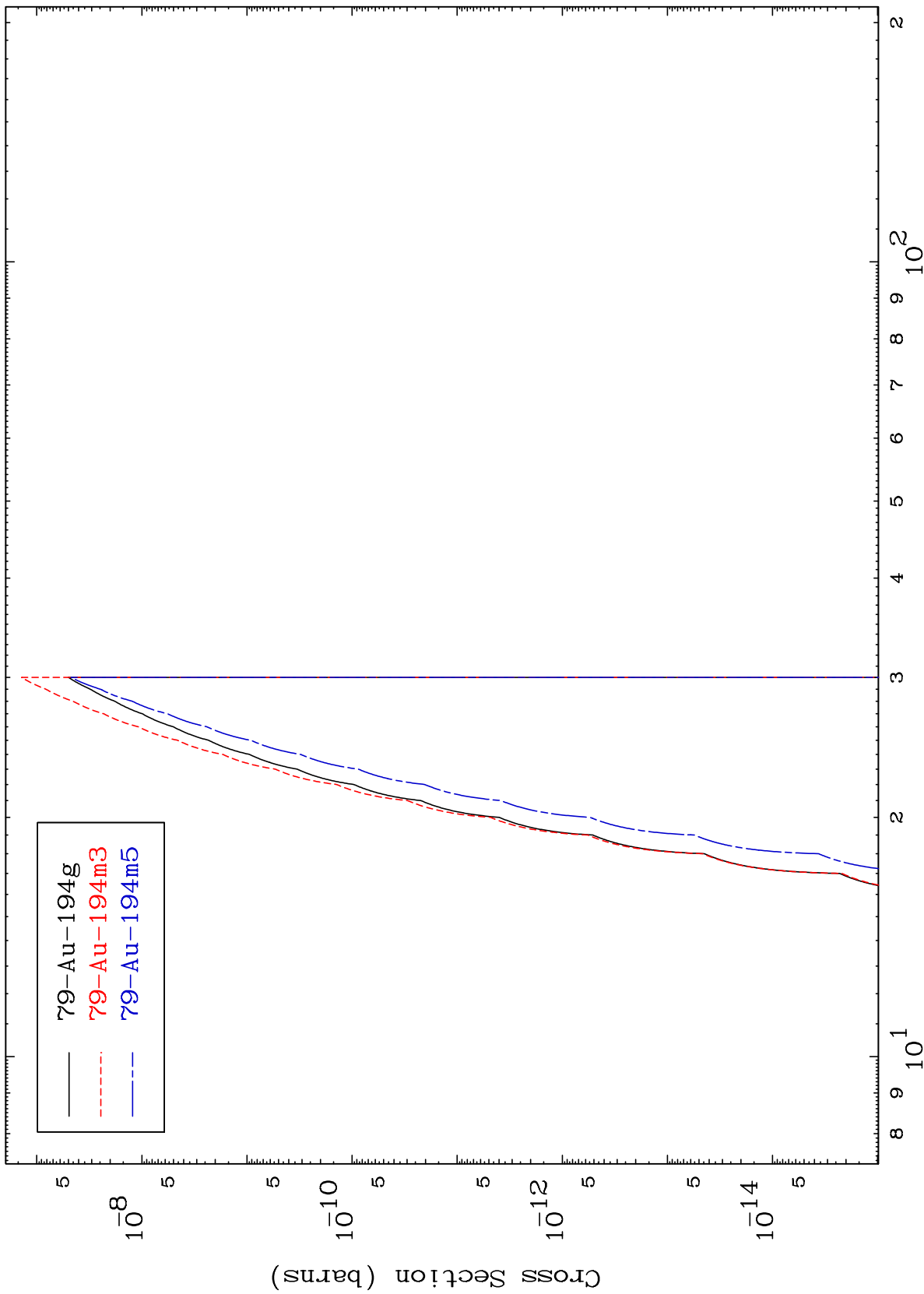
— 79-Au-195g
- - - 79-Au-195m4

85

81-Tl-196

Incident Energy (MeV)

Radionuclide Production Cross Section



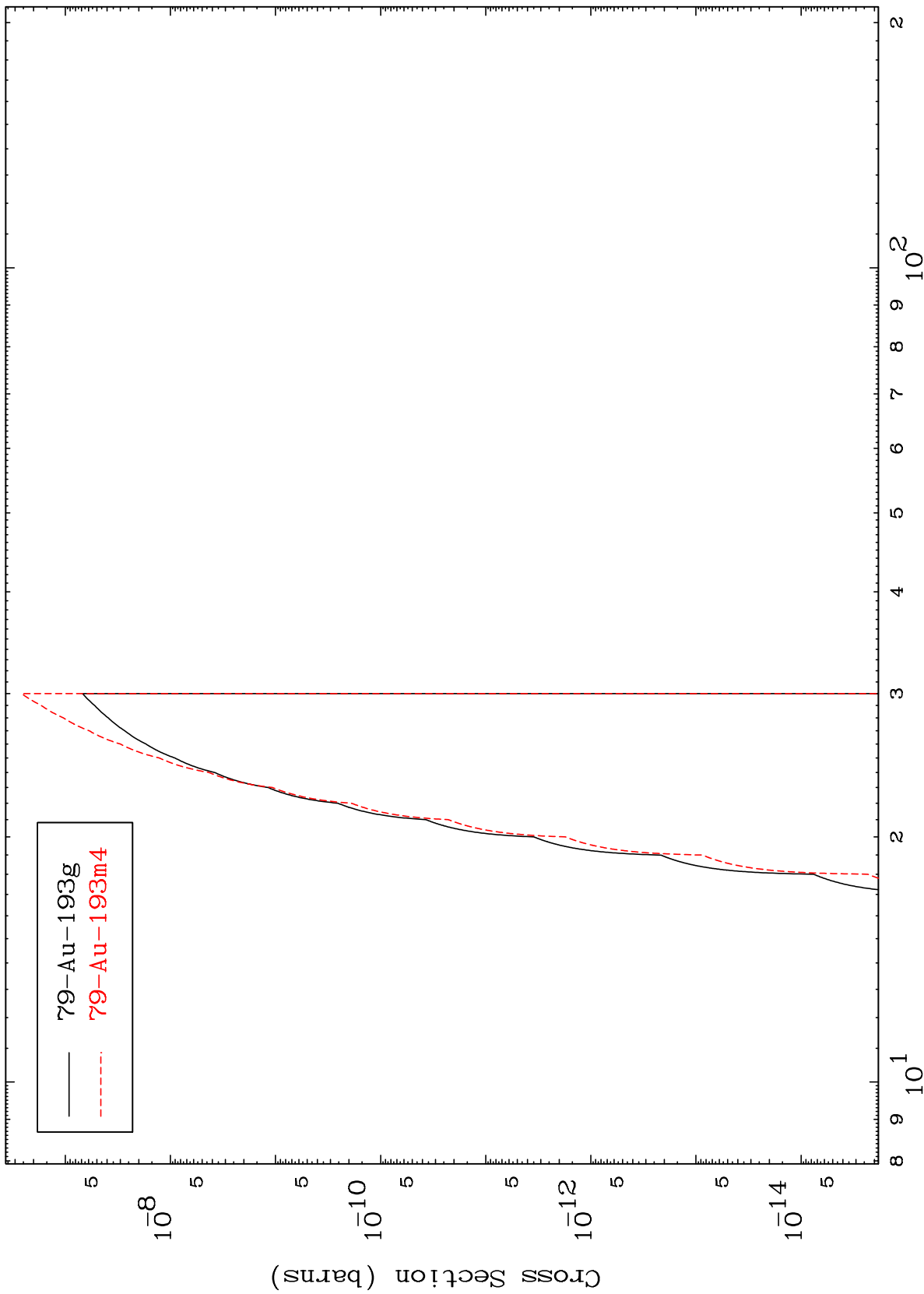
79-Au-194g
79-Au-194m3
79-Au-194m5

MAT 8104

(n,p) t

81-Tl-196

Radionuclide Production Cross Section



87

Incident Energy (MeV)

81-Tl-196