

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

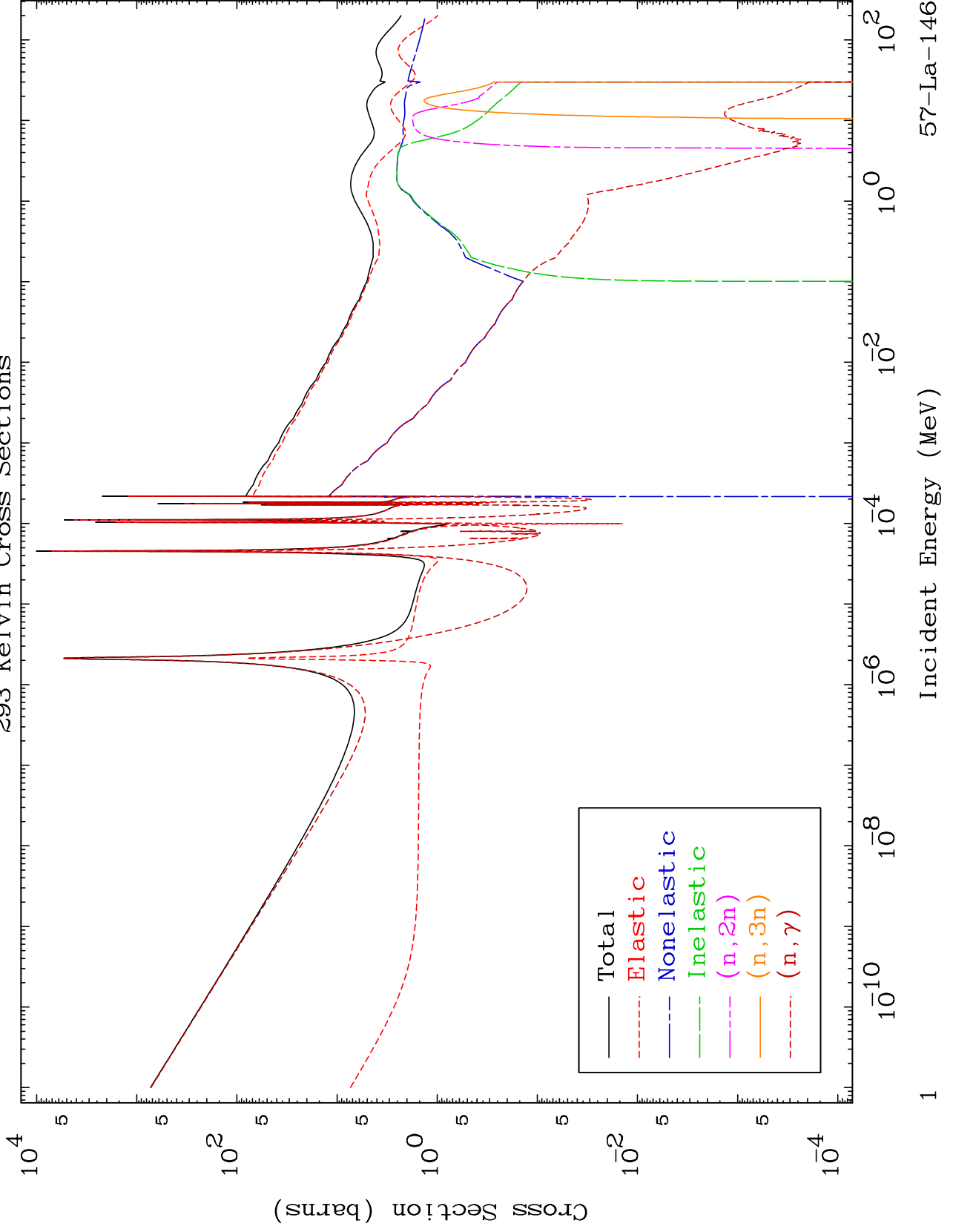
Web: redcullen1.net/HOMEPAGE.NEW

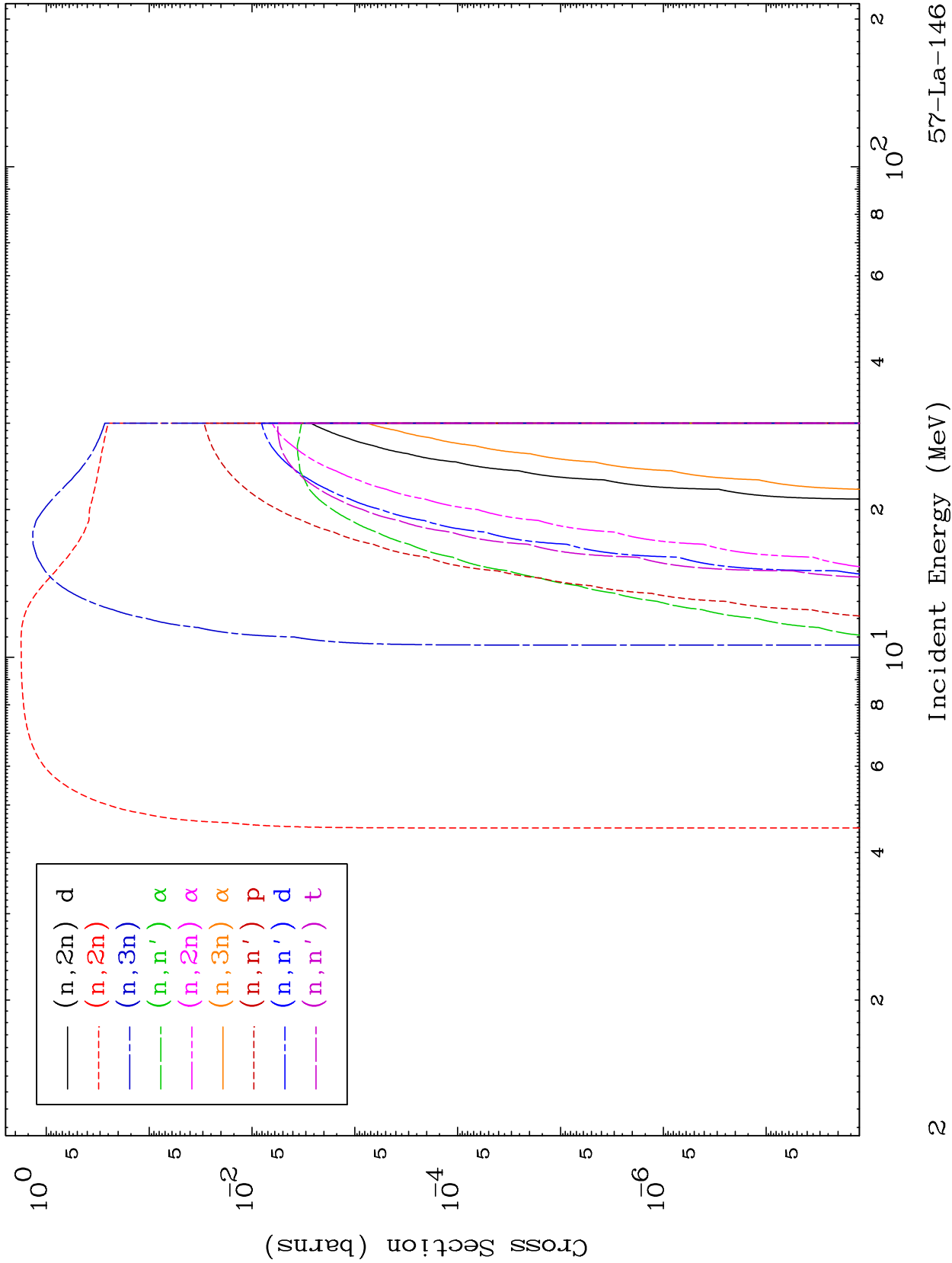
Press Mouse Button to Start

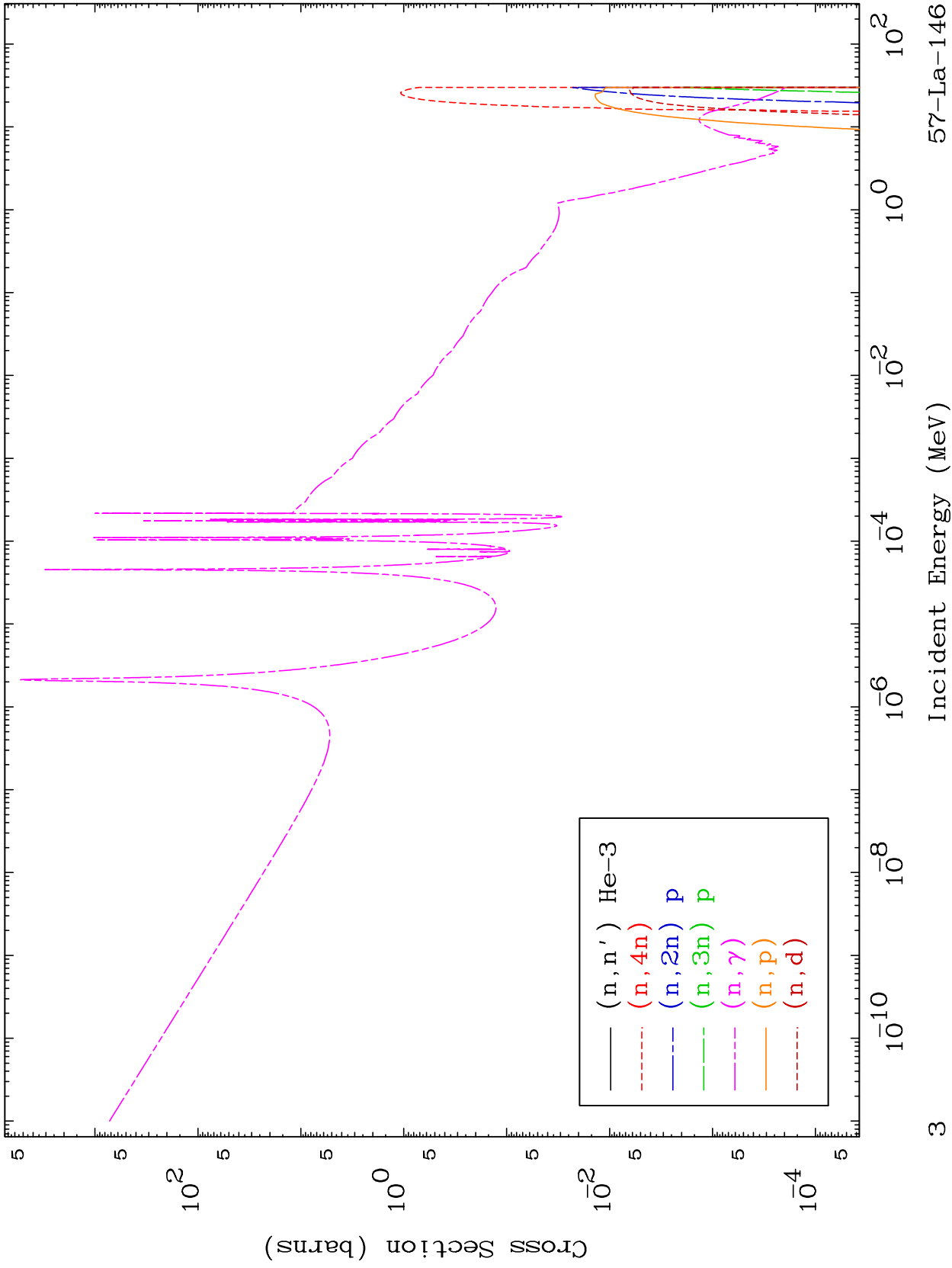
MAT 5749

Neutron Major
293 Kelvin Cross Sections

57-La-146



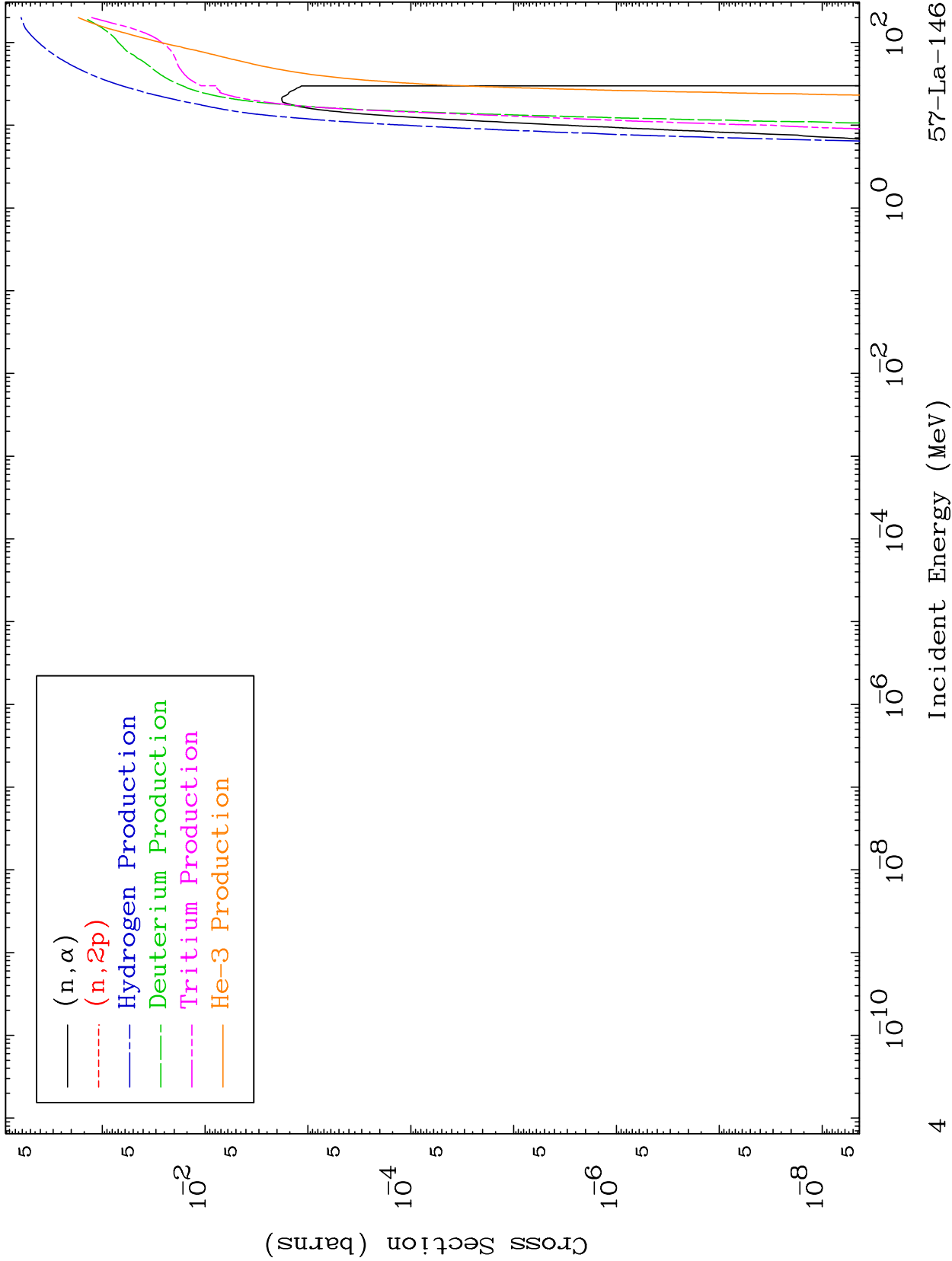


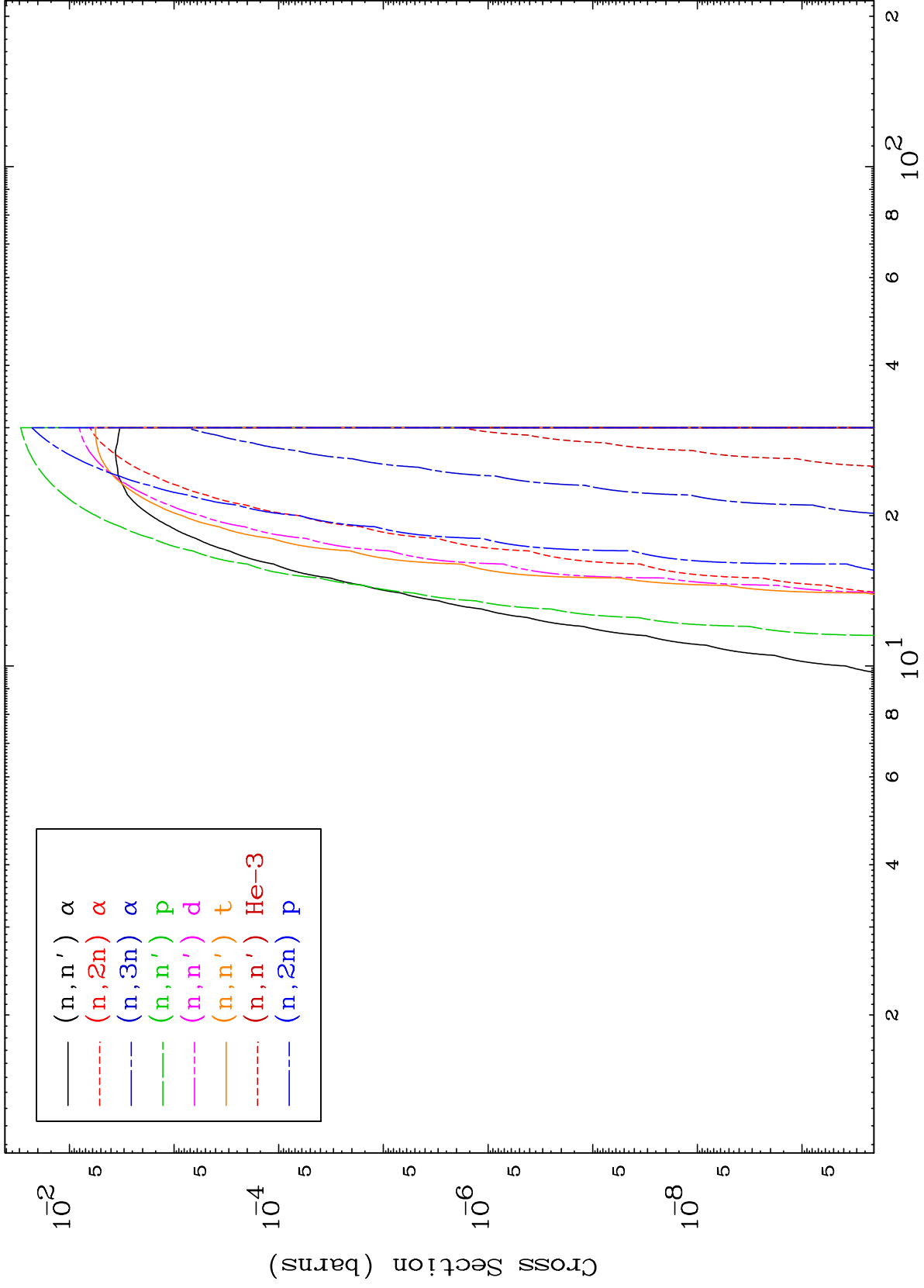


MAT 5749

Neutron Absorption
293 Kelvin Cross Sections

57-La-146

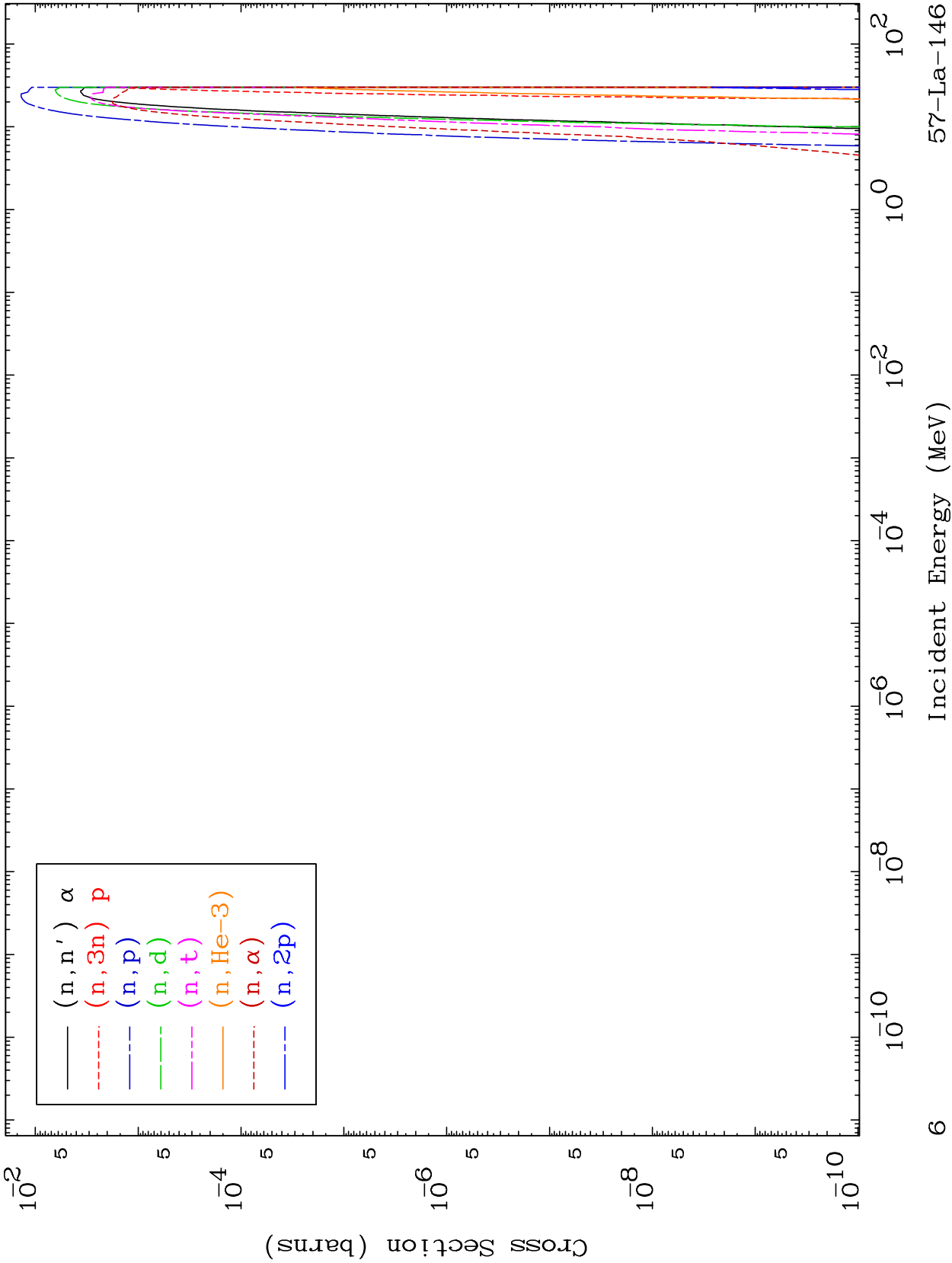




MAT 5749

Charged Particle
293 Kelvin Cross Sections

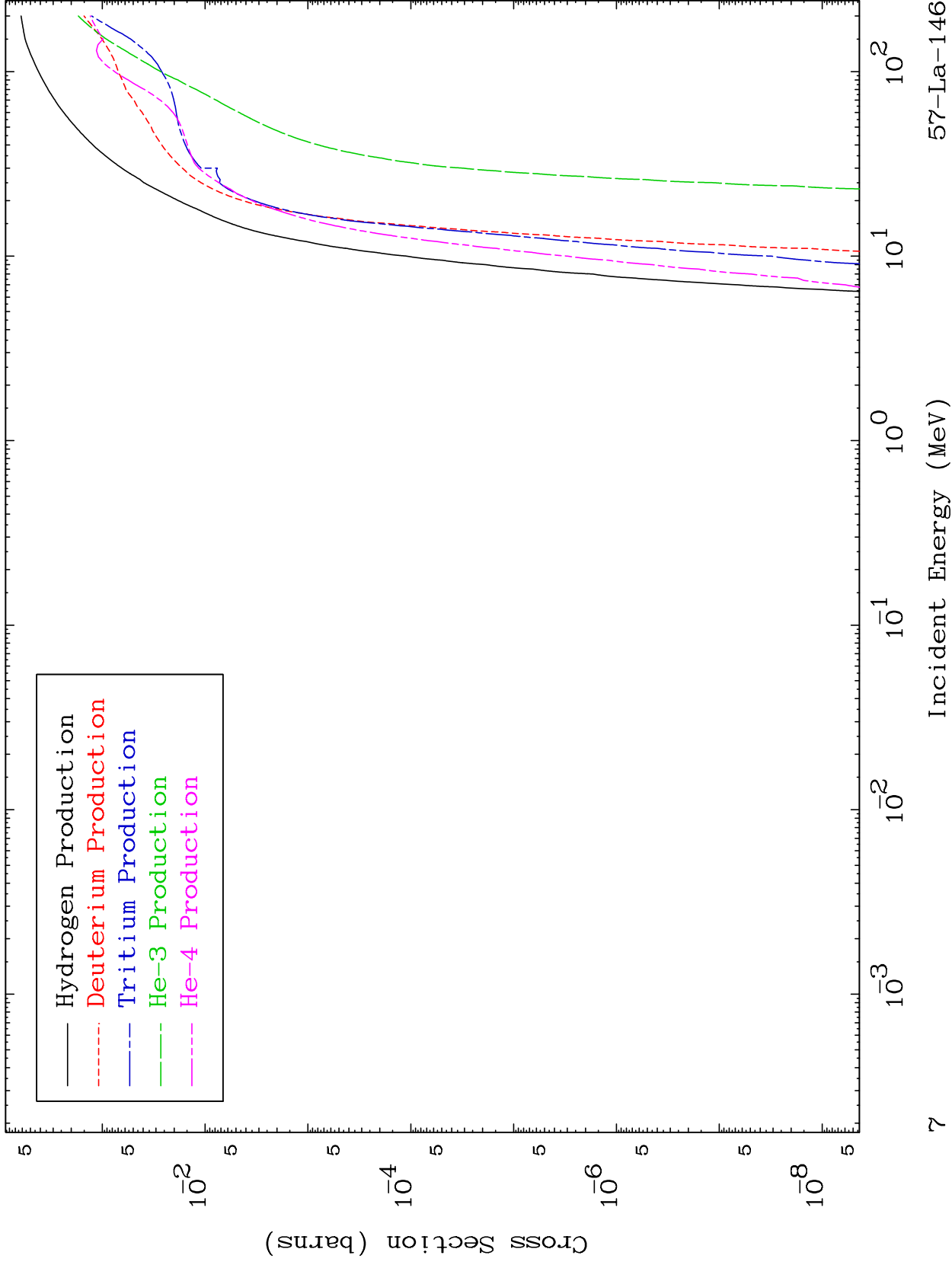
57-La-146



MAT 5749

Particle Production
293 Kelvin Cross Sections

57-La-146

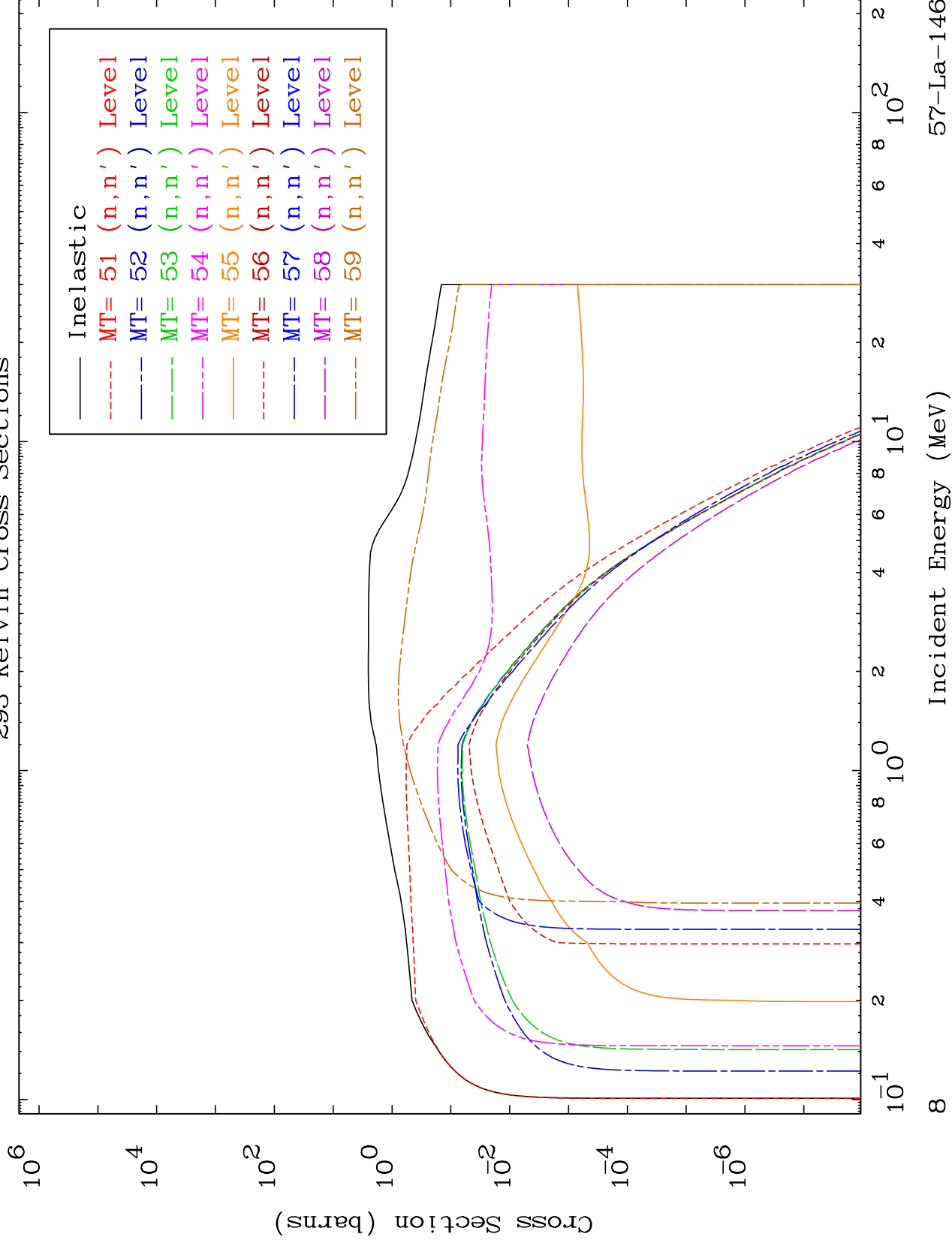


MAT 5749

(n,n') Levels

57-La-146

293 Kelvin Cross Sections



Incident Energy (MeV)

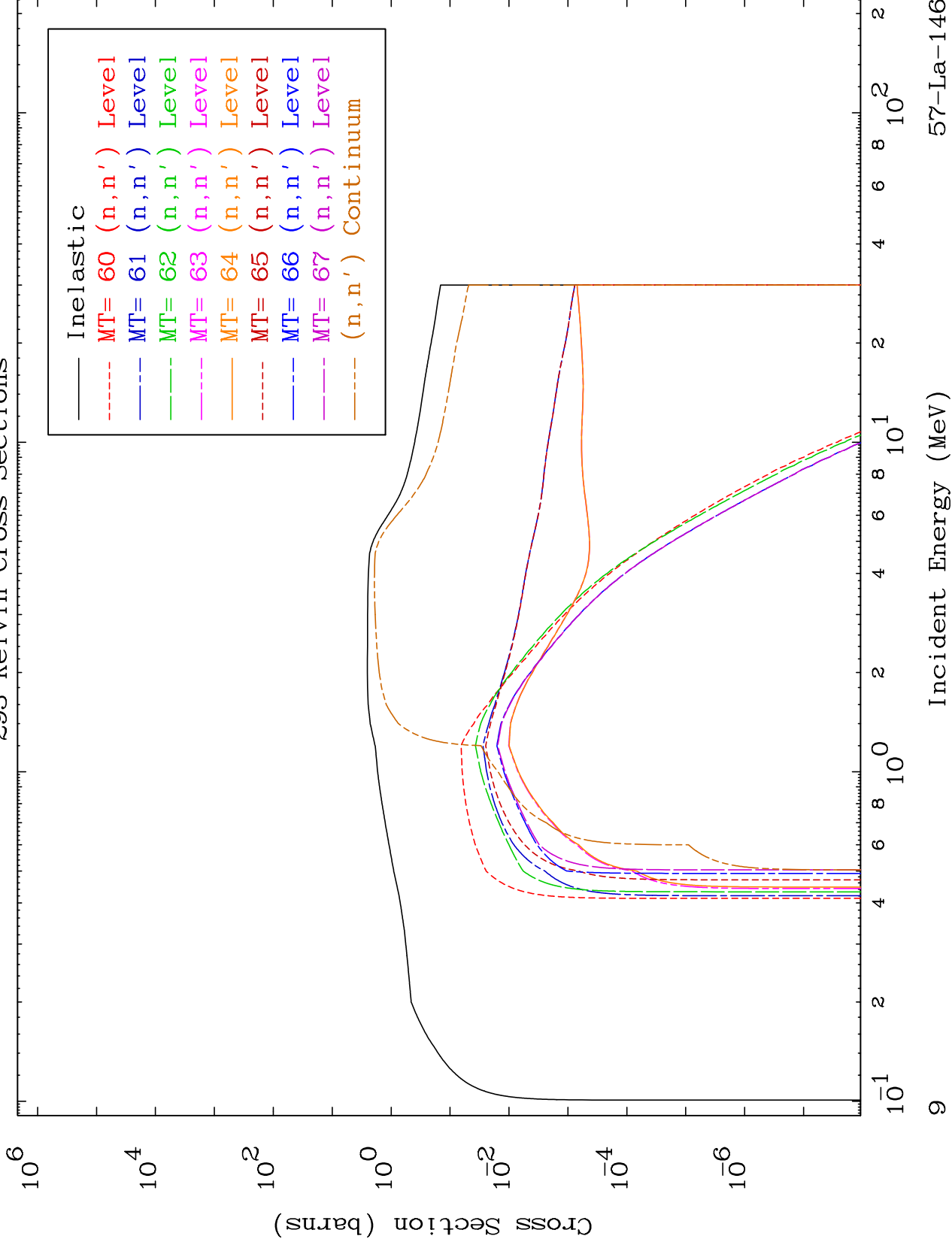
57-La-146

MAT 5749

(n,n') Levels

57-La-146

293 Kelvin Cross Sections



9

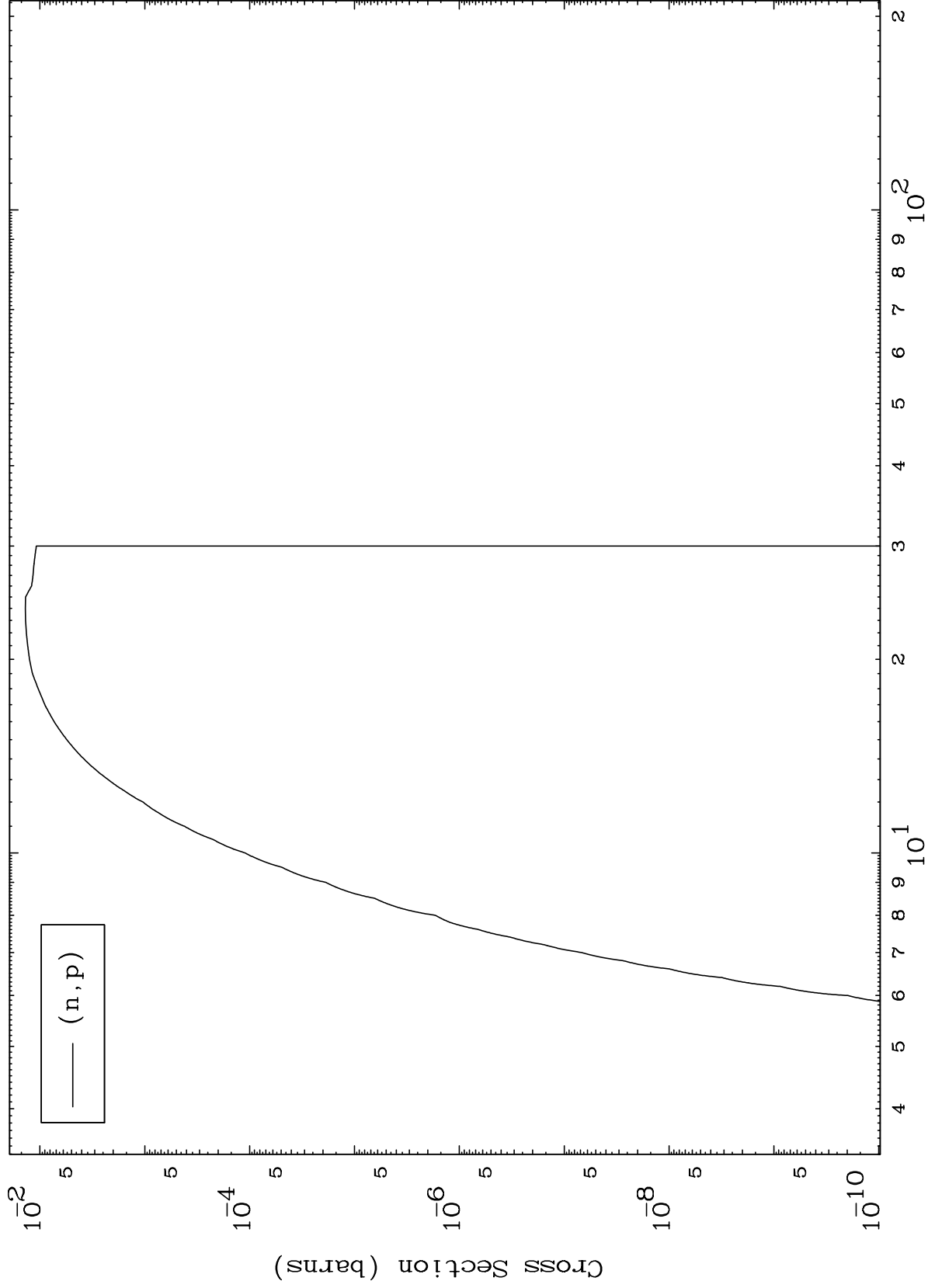
Incident Energy (MeV)

57-La-146

MAT 5749

(n,p) Levels
293 Kelvin Cross Sections

57-La-146



10

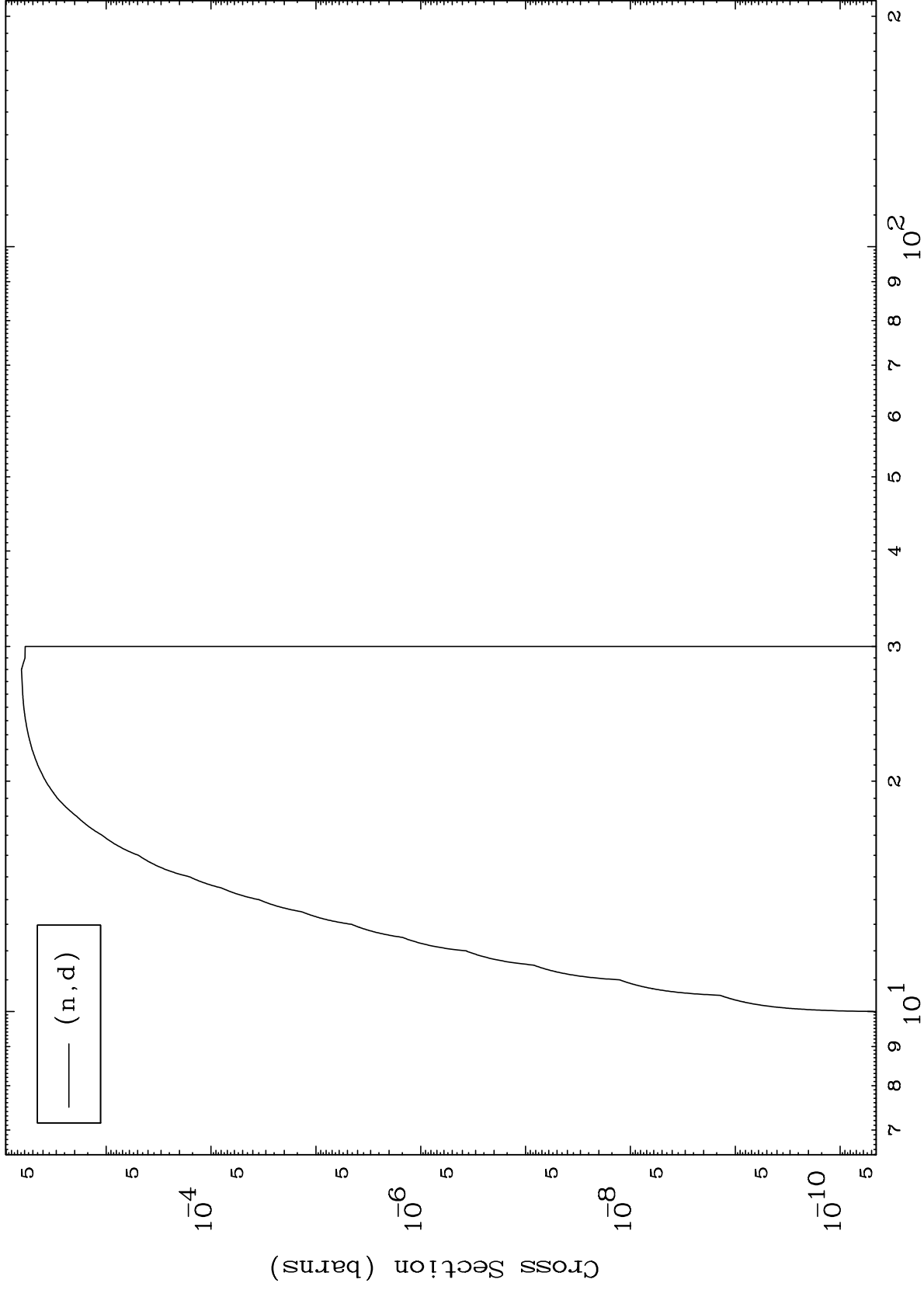
Incident Energy (MeV)

57-La-146

MAT 5749

(n,d) Levels
293 Kelvin Cross Sections

57-La-146



11

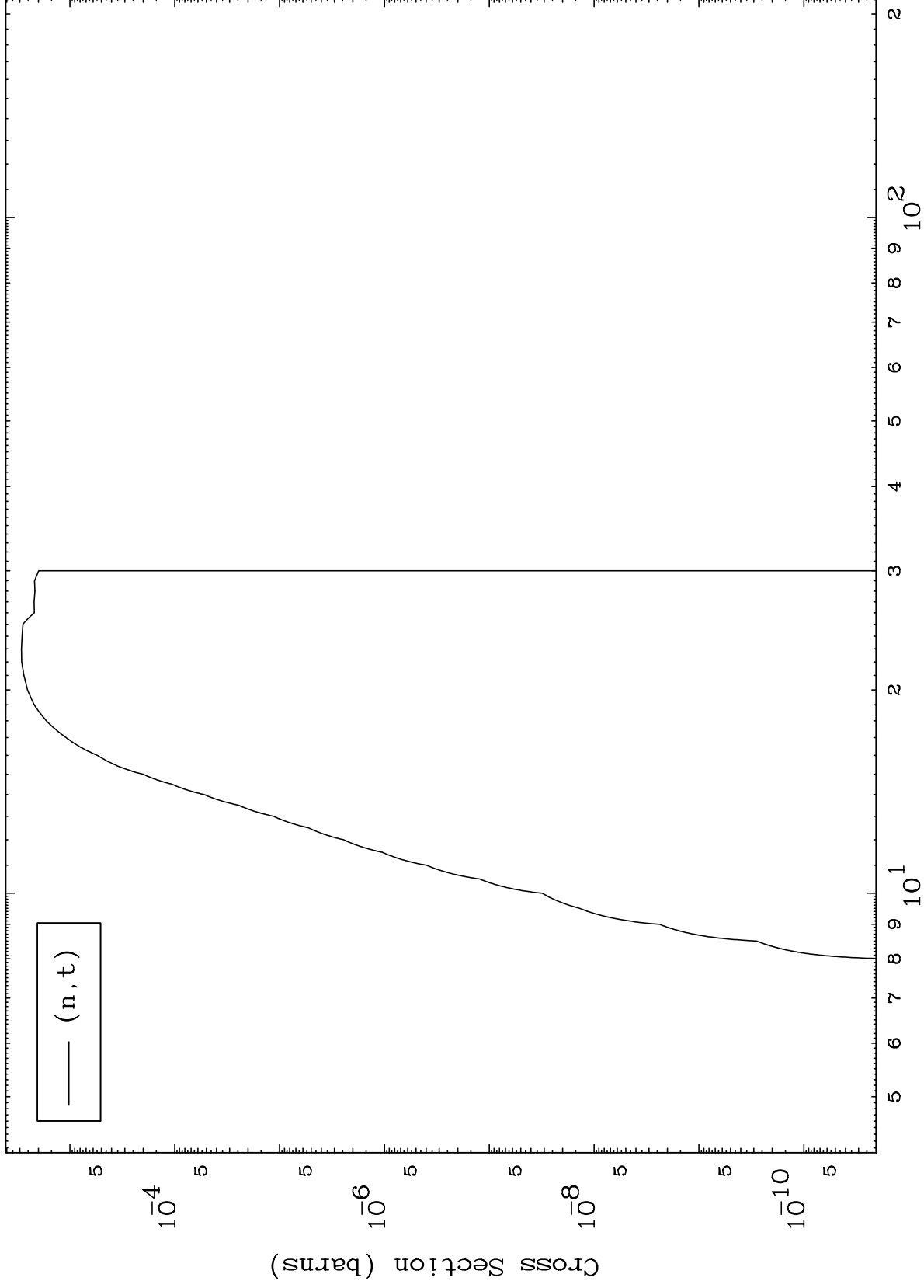
Incident Energy (MeV)

57-La-146

MAT 5749

(n,t) Levels
293 Kelvin Cross Sections

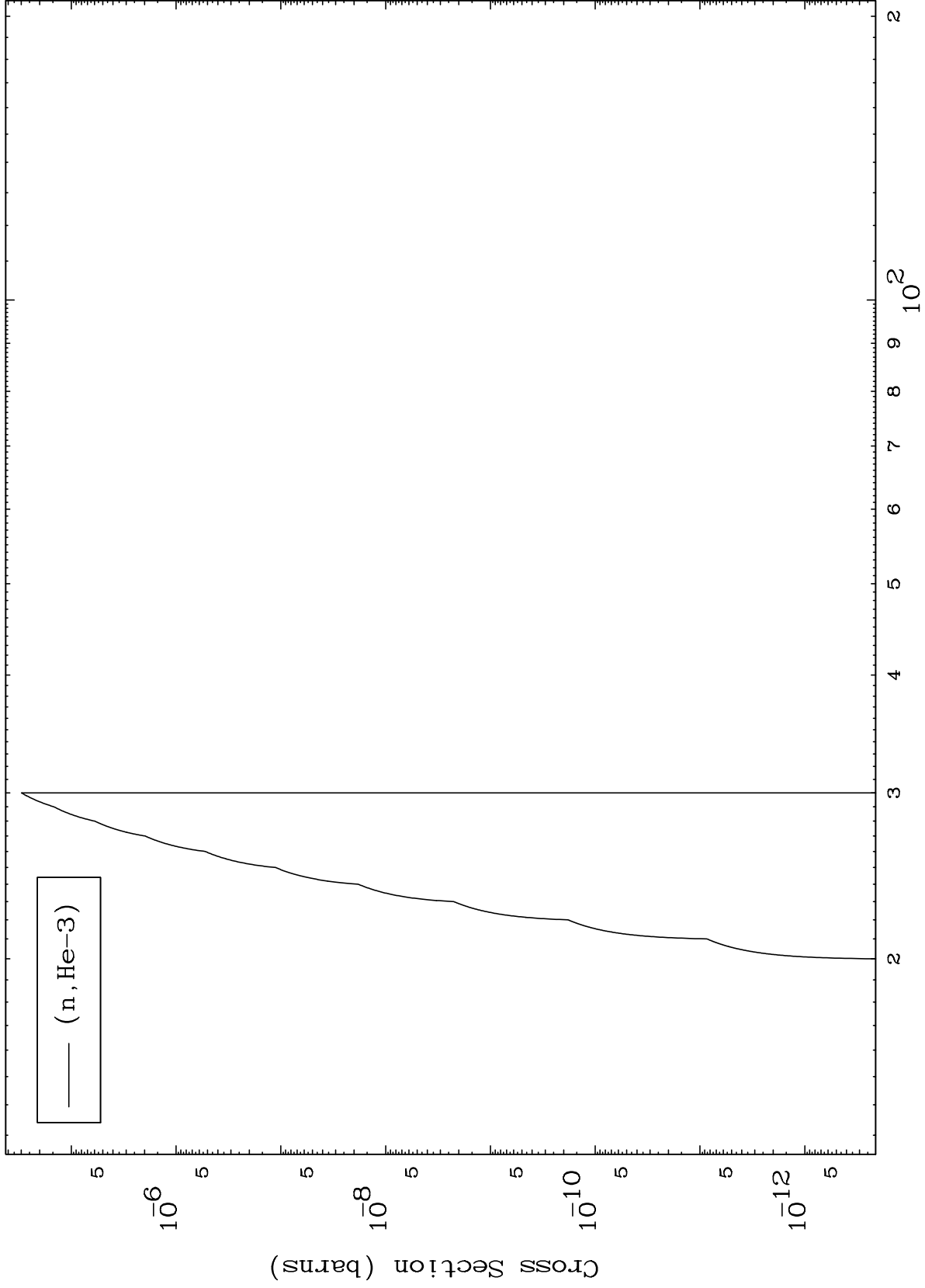
57-La-146



12

Incident Energy (MeV)

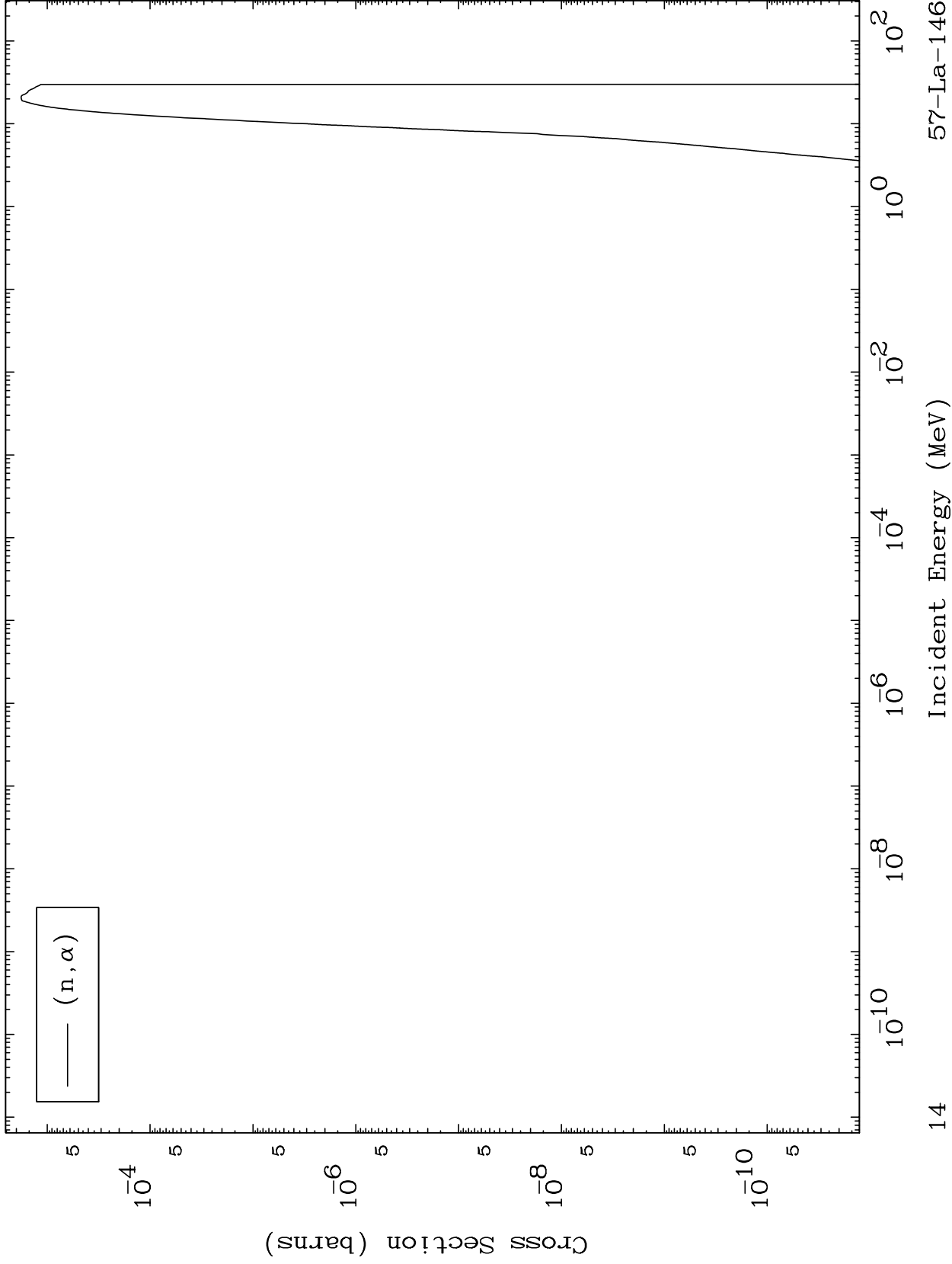
57-La-146



MAT 5749

(n, α) Levels
293 Kelvin Cross Sections

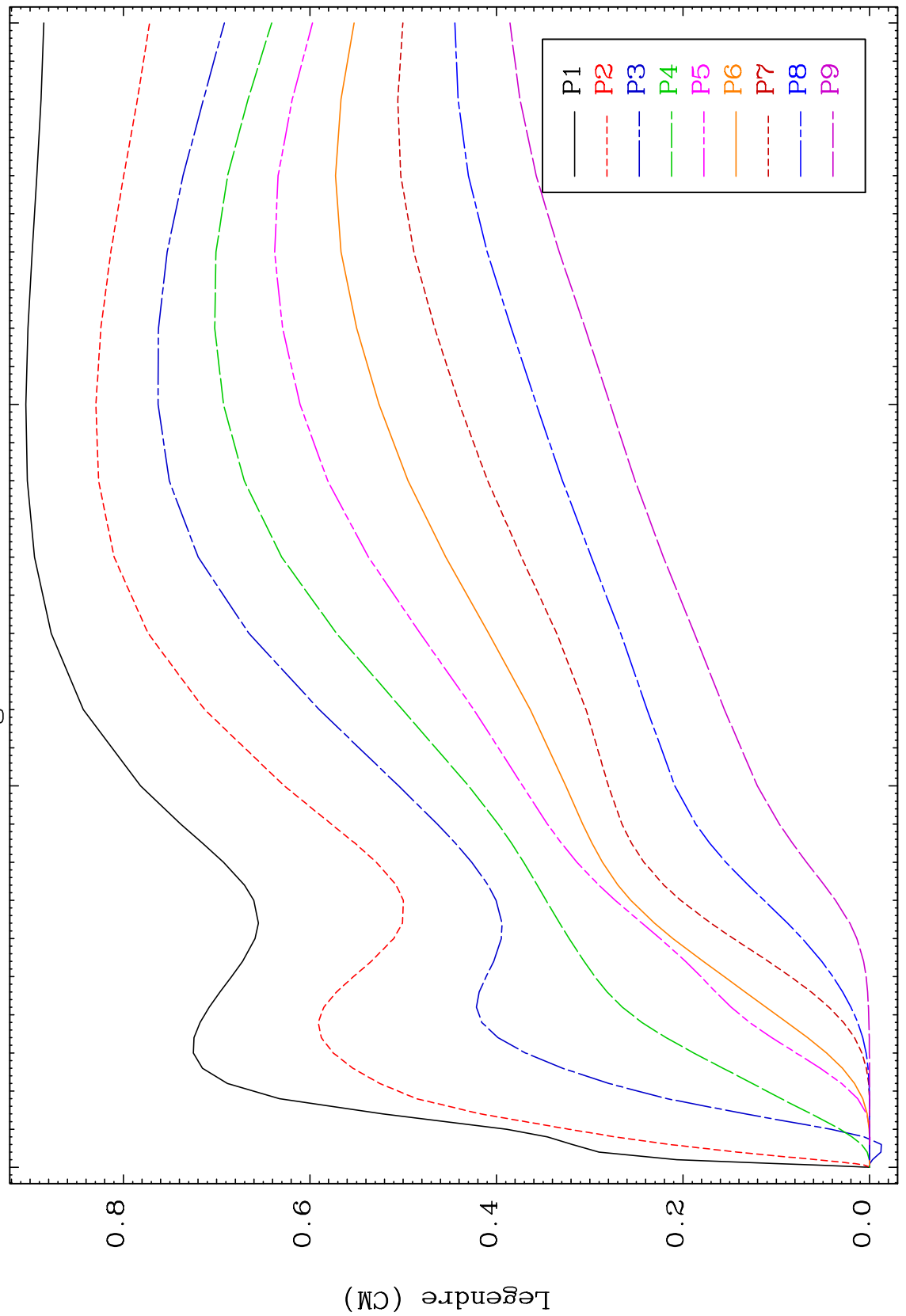
57-La-146



MAT 5749

57-La-146

Elastic Legendre Coefficients



57-La-146

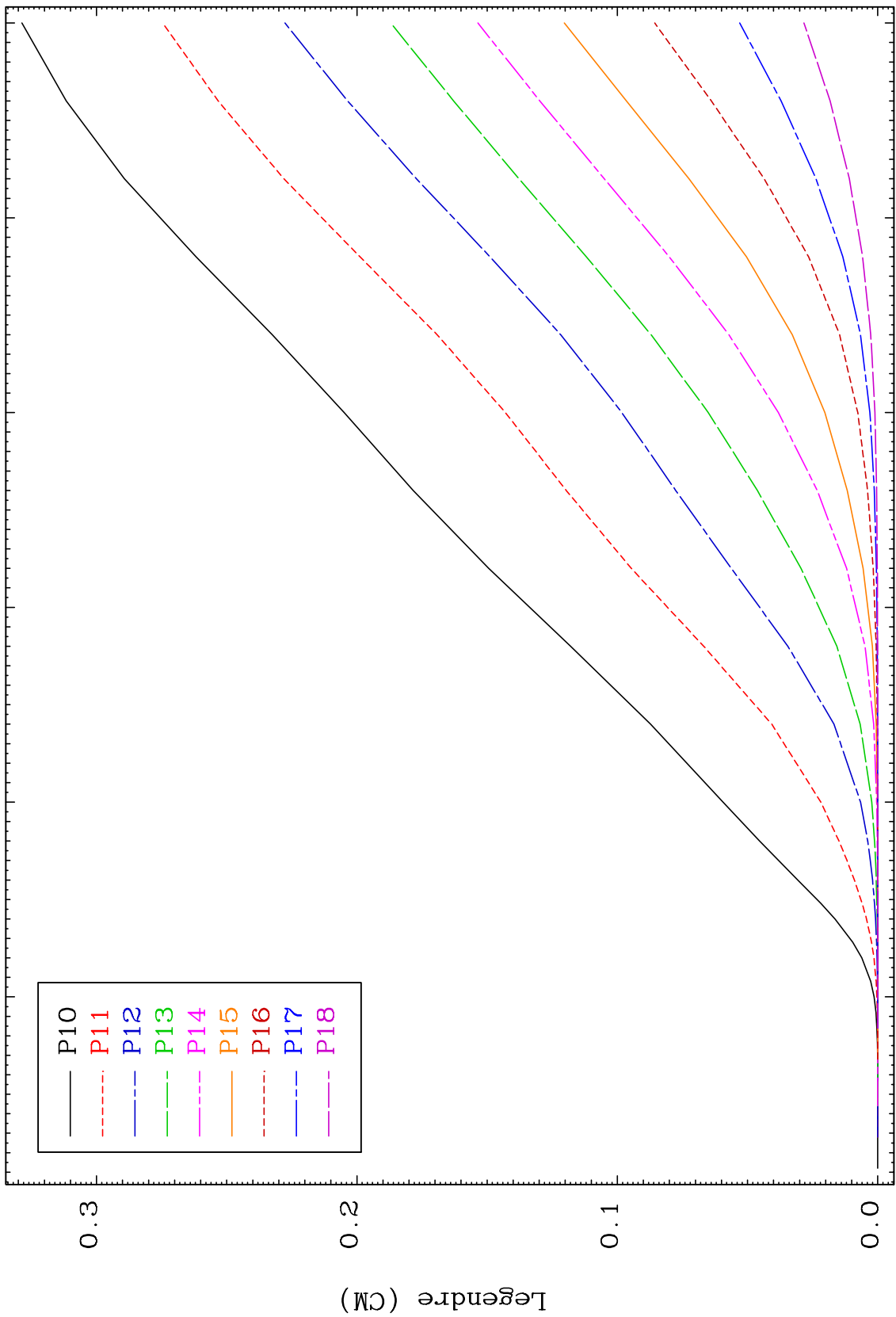
Incident Energy (MeV)

15

MAT 5749

Elastic Legendre Coefficients

57-La-146



16

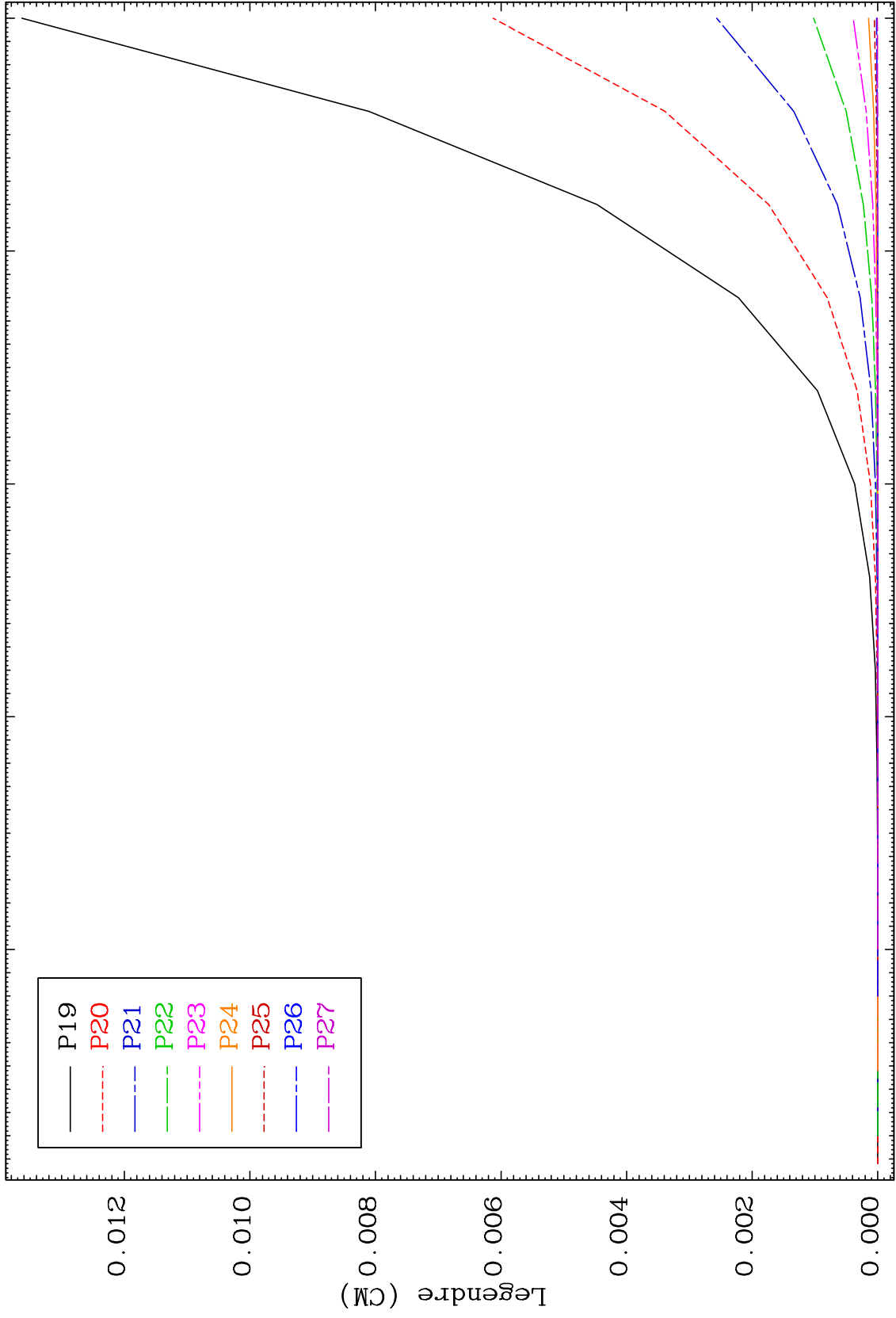
Incident Energy (MeV)

57-La-146

MAT 5749

Elastic Legendre Coefficients

57-La-146



17

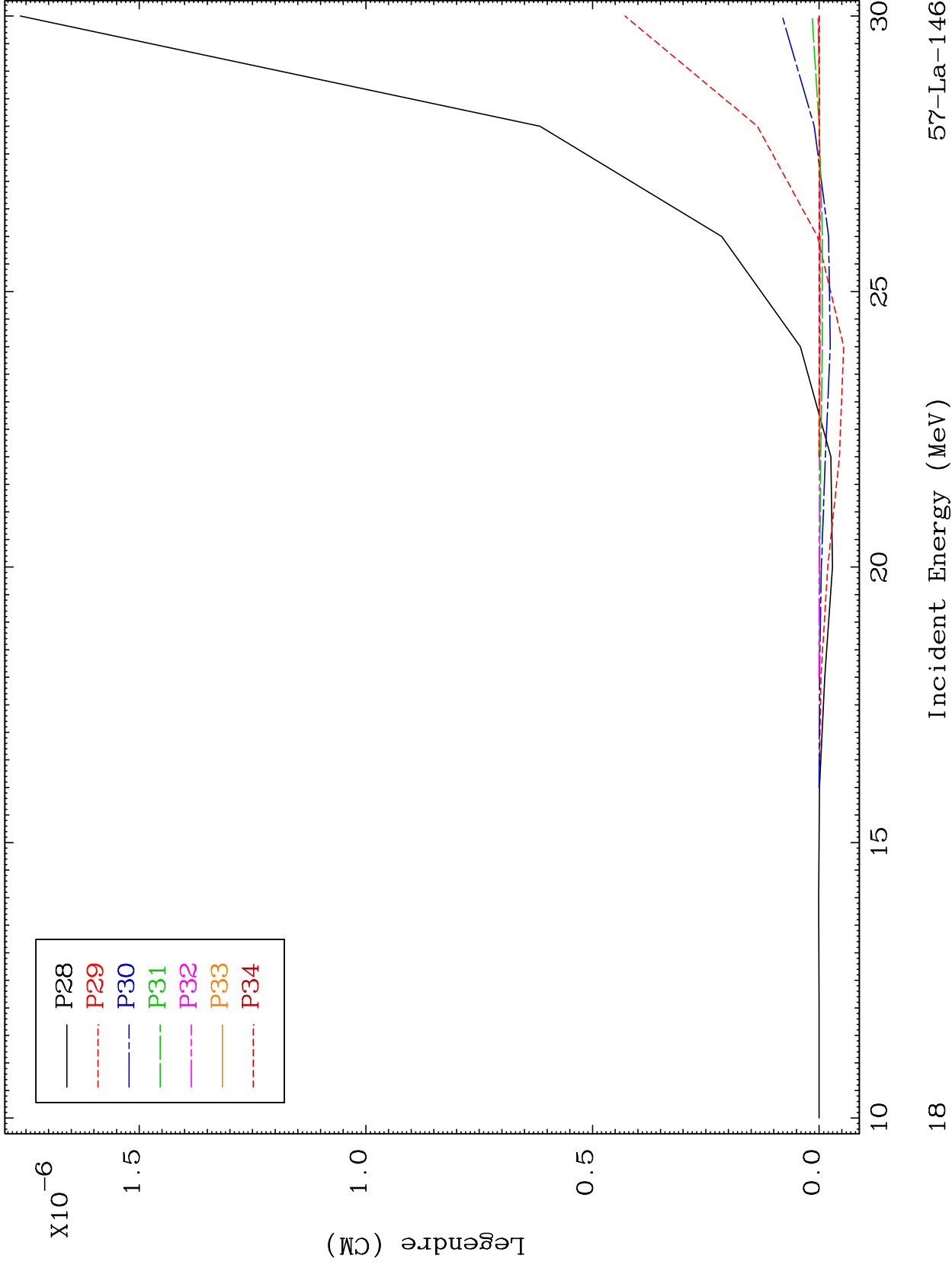
Incident Energy (MeV)

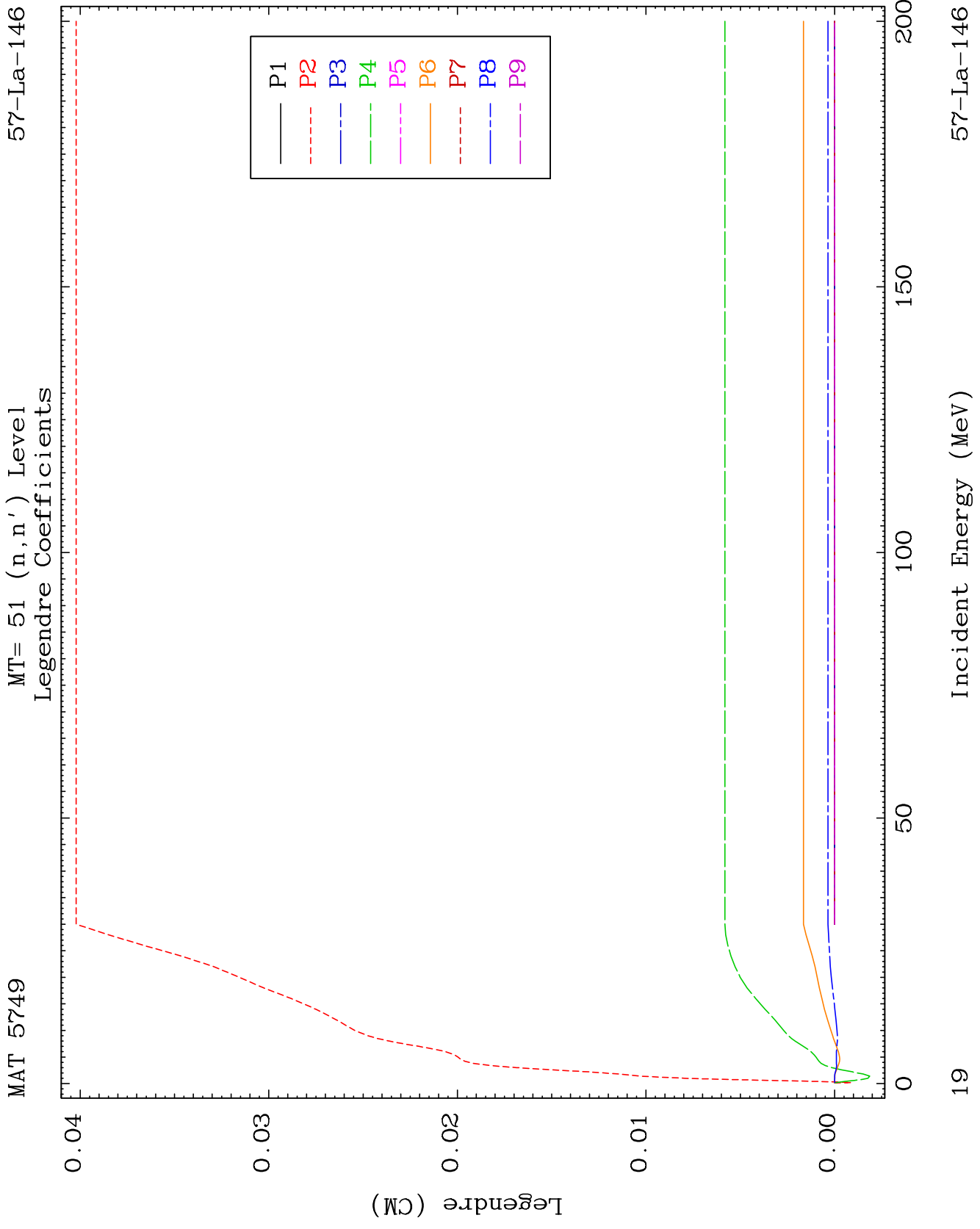
57-La-146

MAT 5749

Elastic
Legendre Coefficients

57-La-146

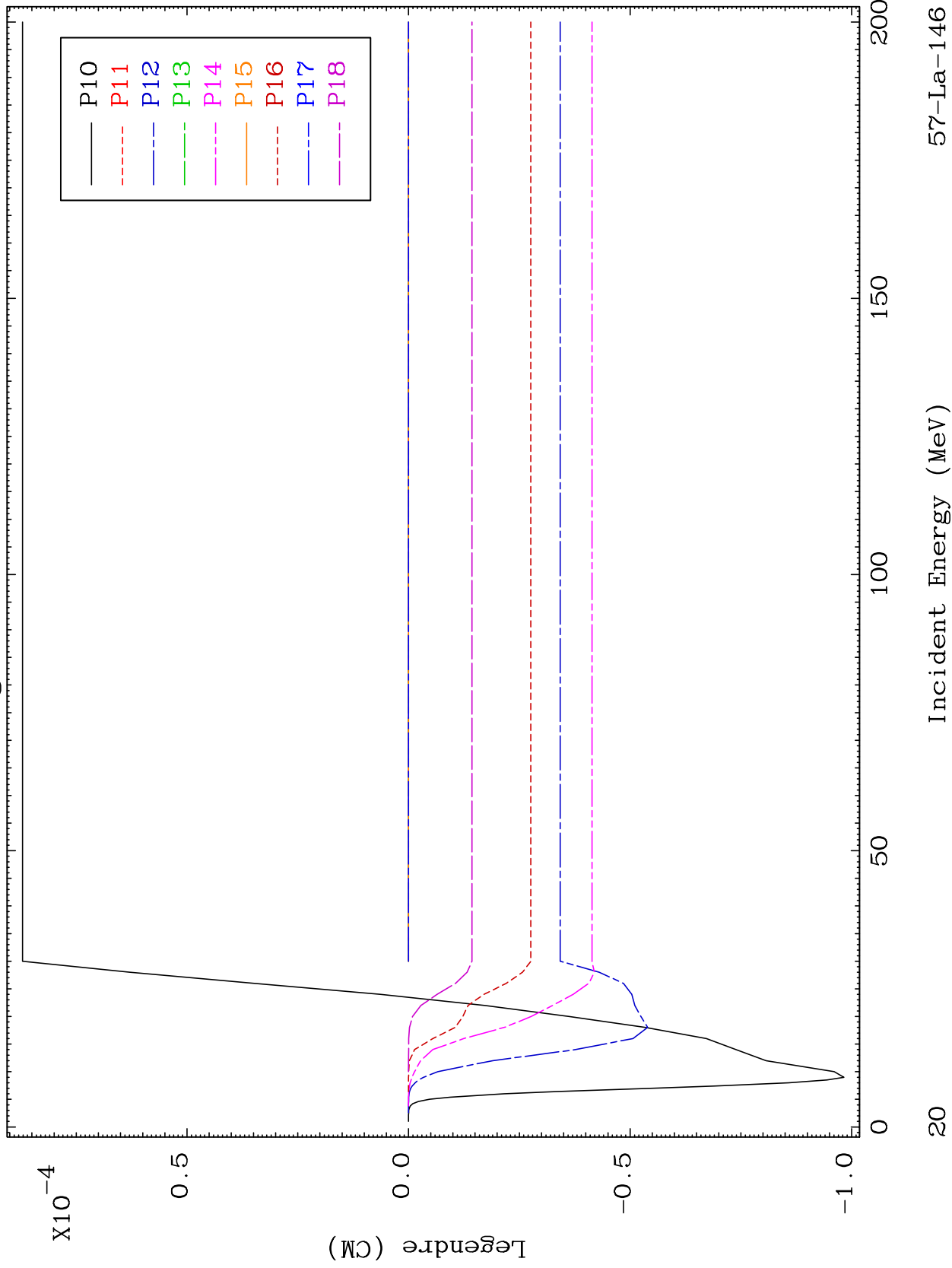




MAT 5749

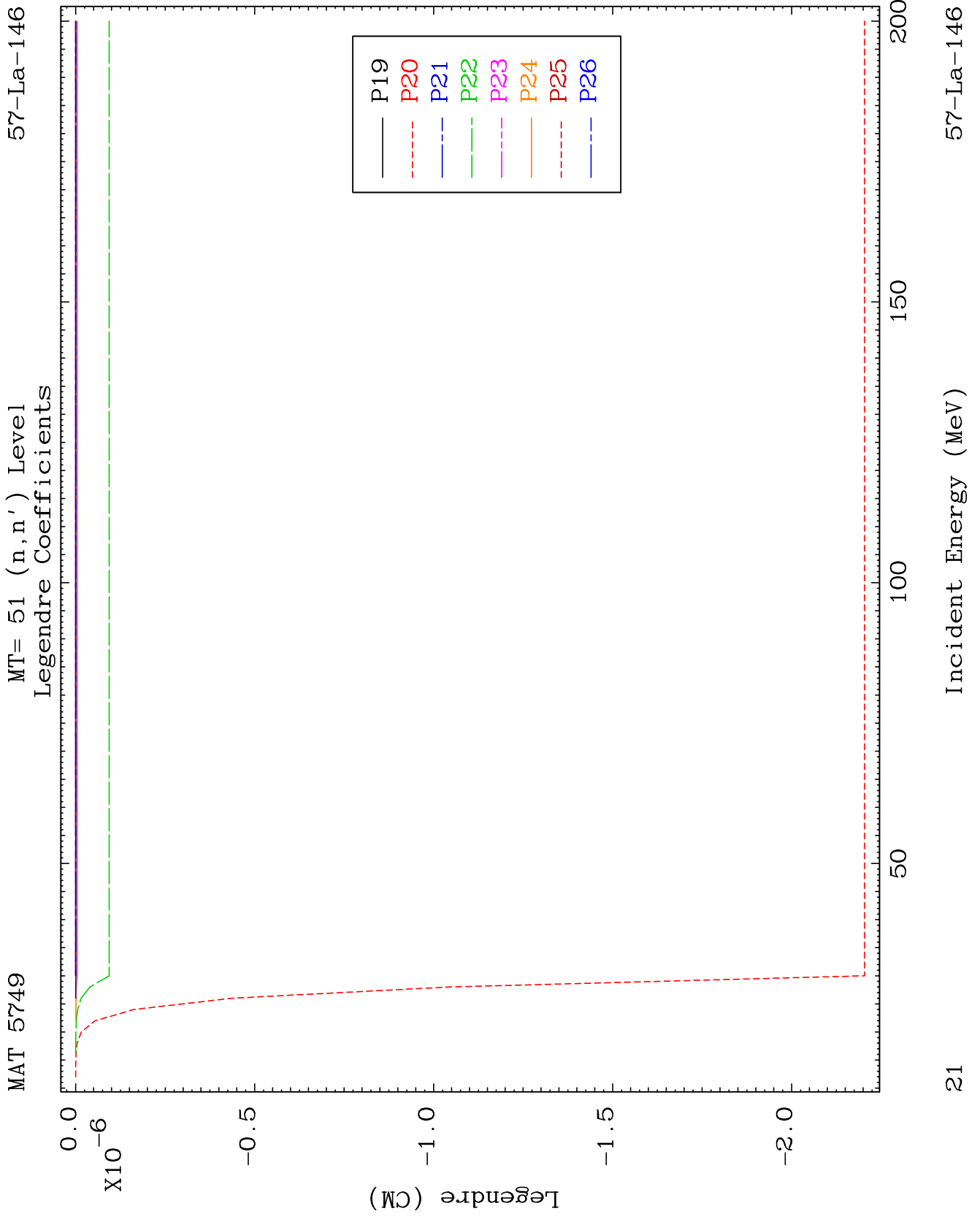
MT= 51 (n,n') Level
Legendre Coefficients

57-La-146



57-La-146

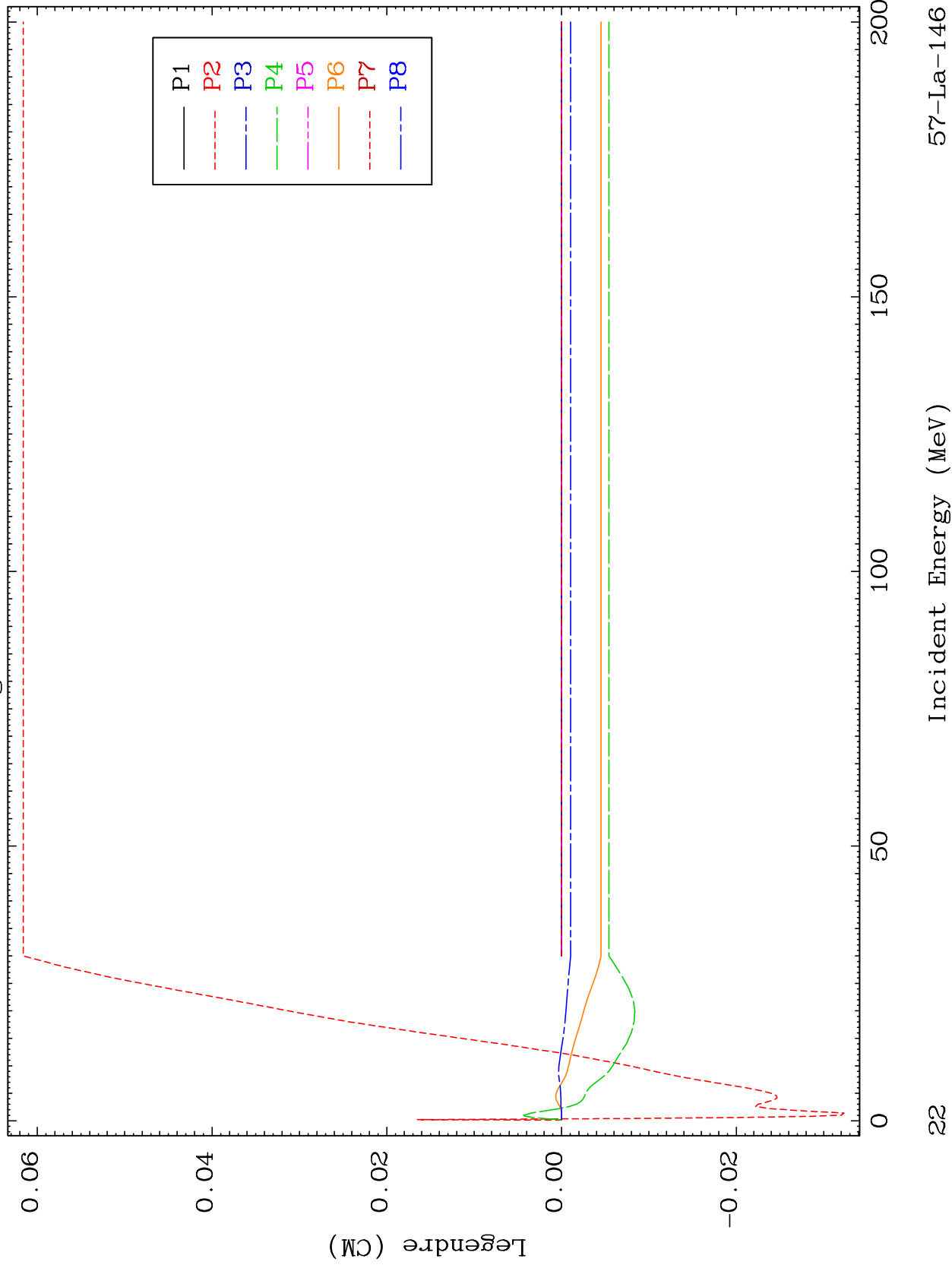
Incident Energy (MeV)



MAT 5749

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

57-La-146



57-La-146

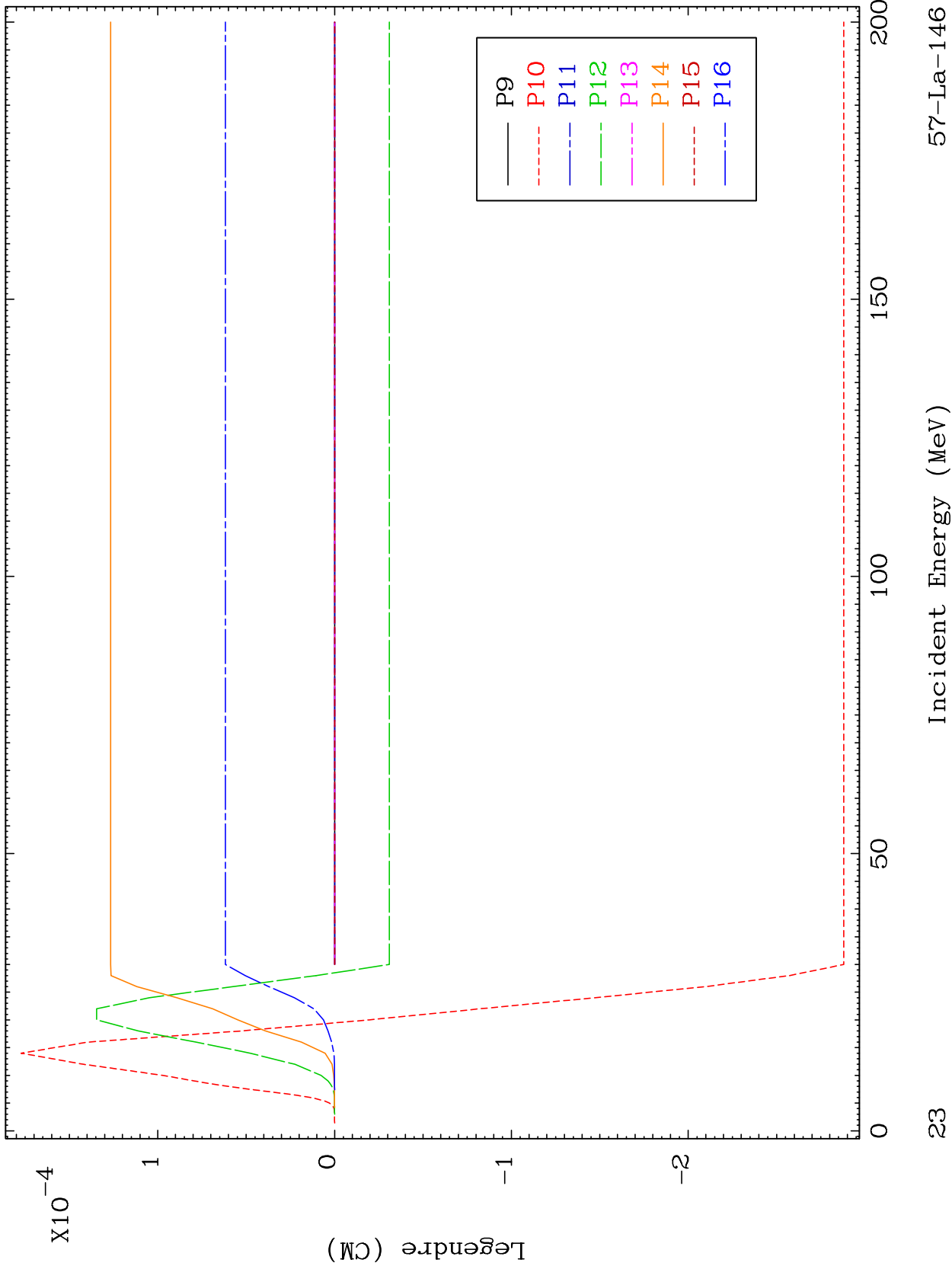
Incident Energy (MeV)

22

MAT 5749

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

57-La-146



23

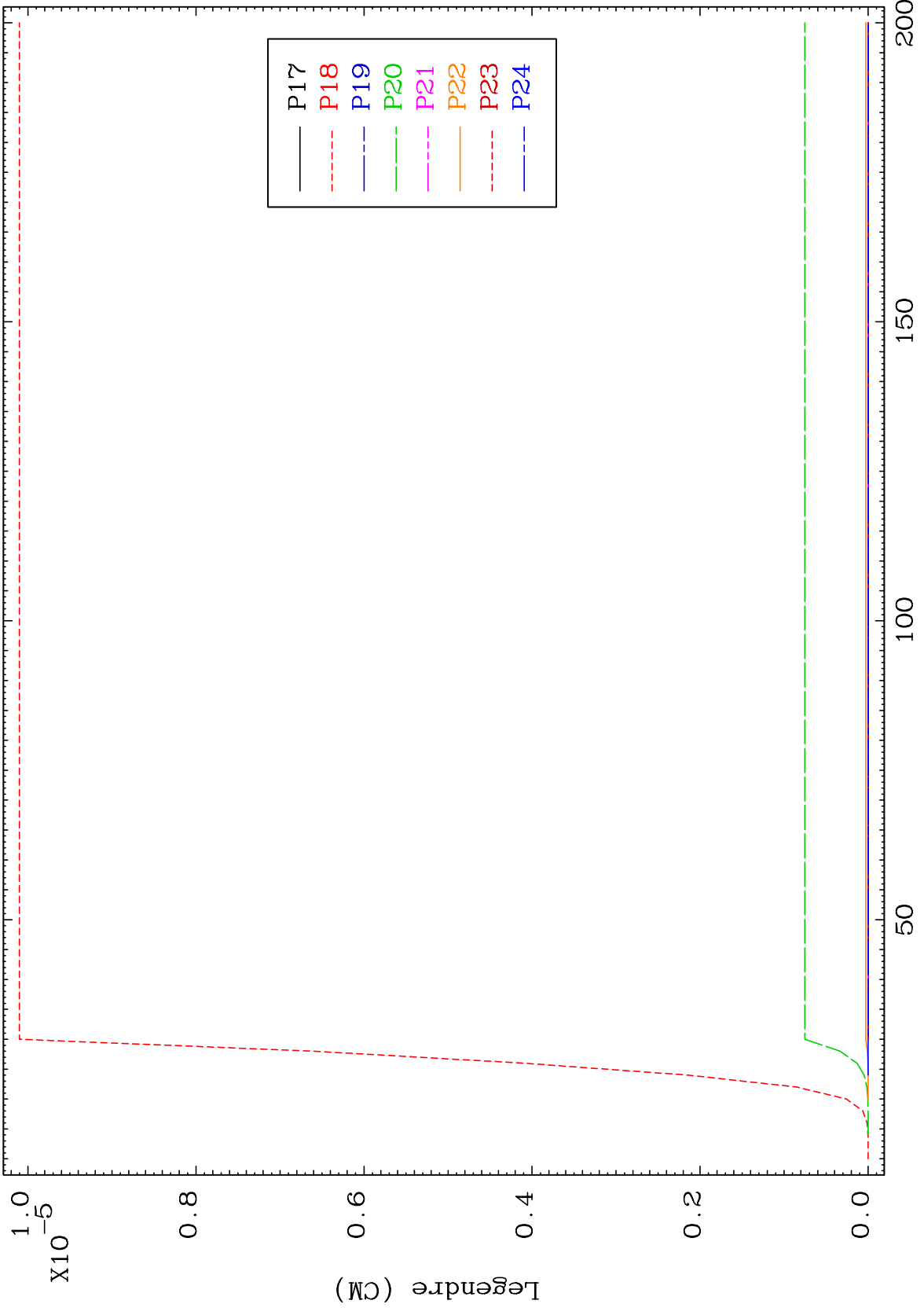
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



57-La-146

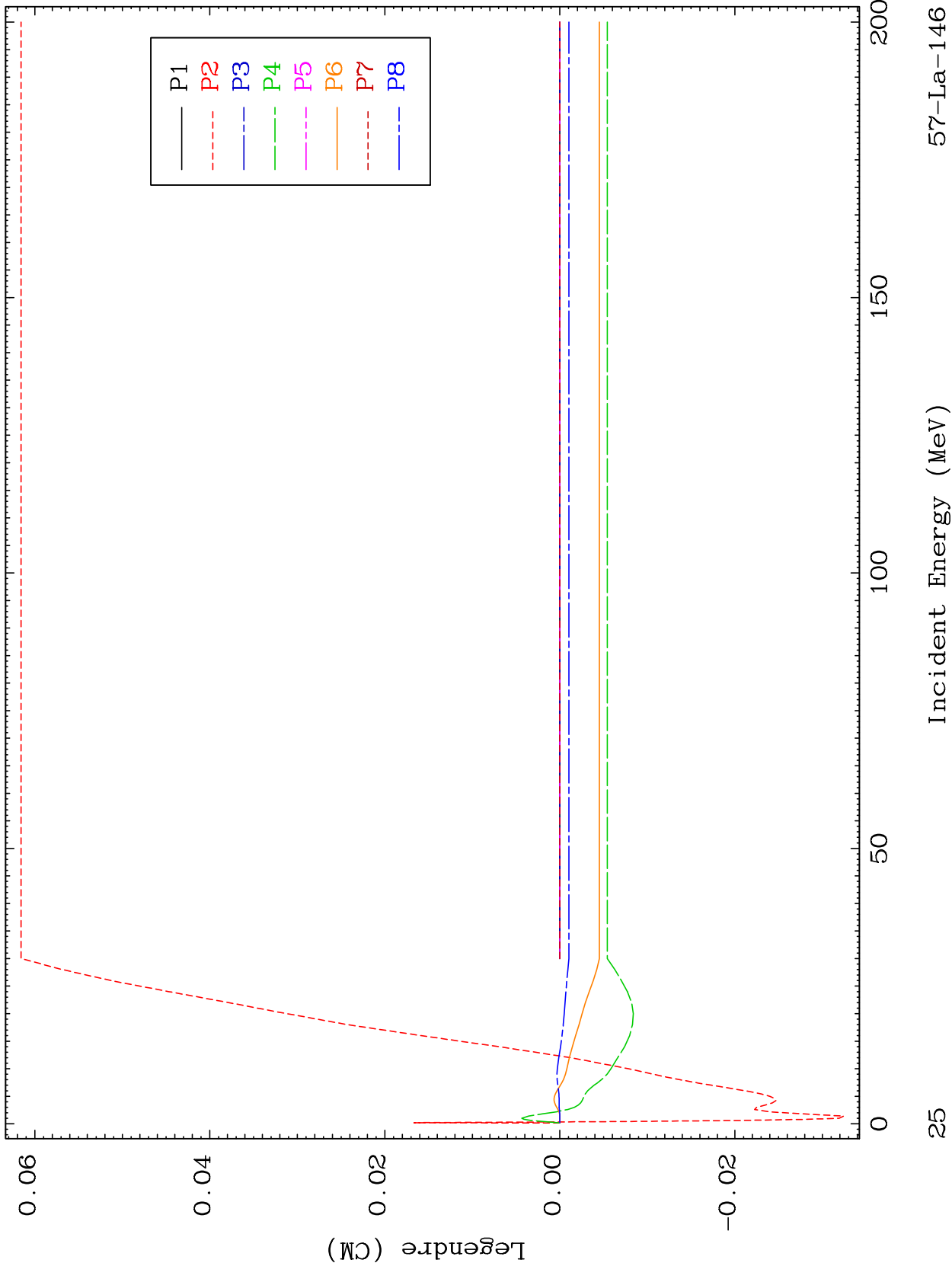
Incident Energy (MeV)

24

MAT 5749

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

57-La-146



57-La-146

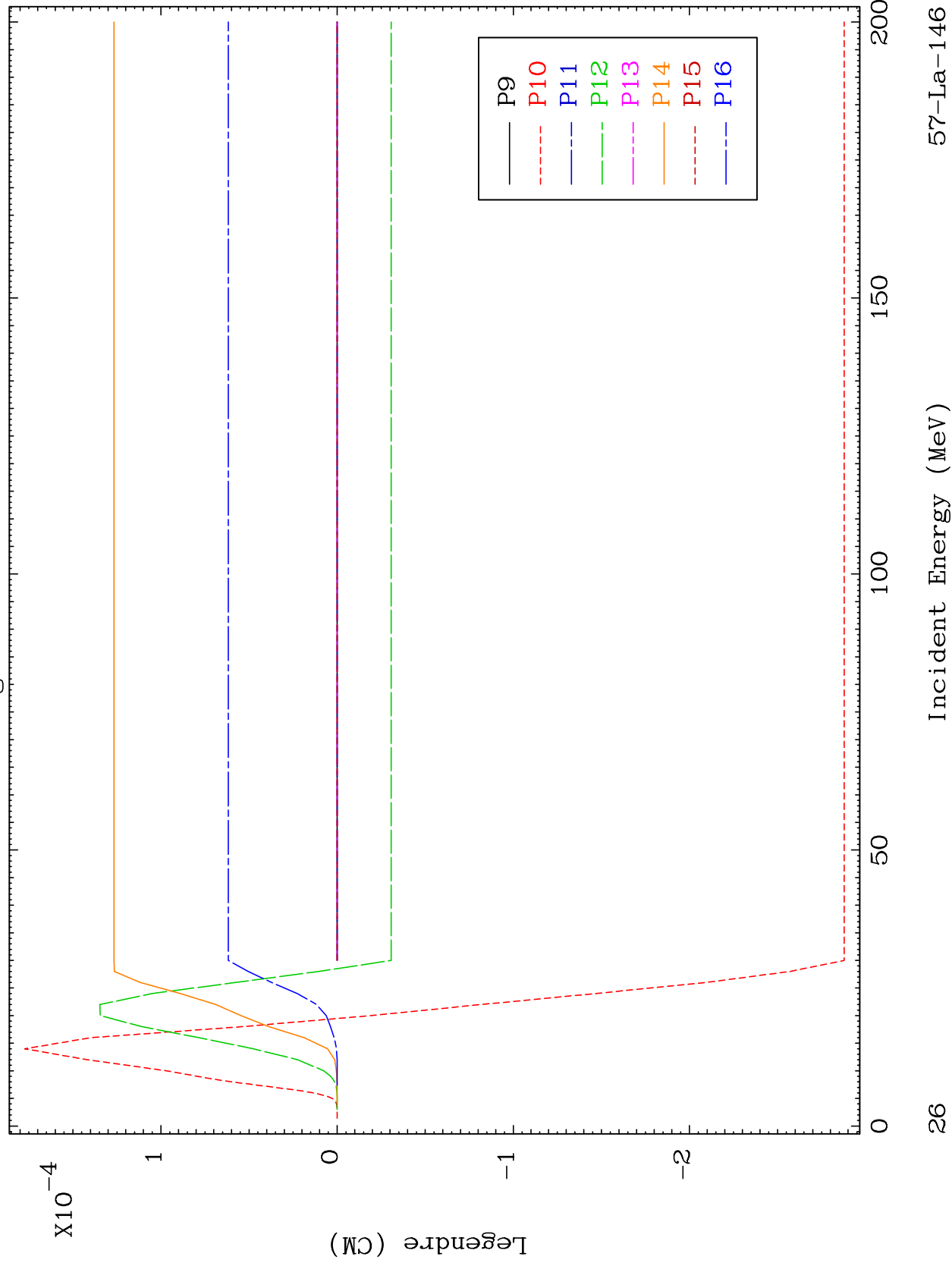
Incident Energy (MeV)

25

MAT 5749

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

57-La-146



26

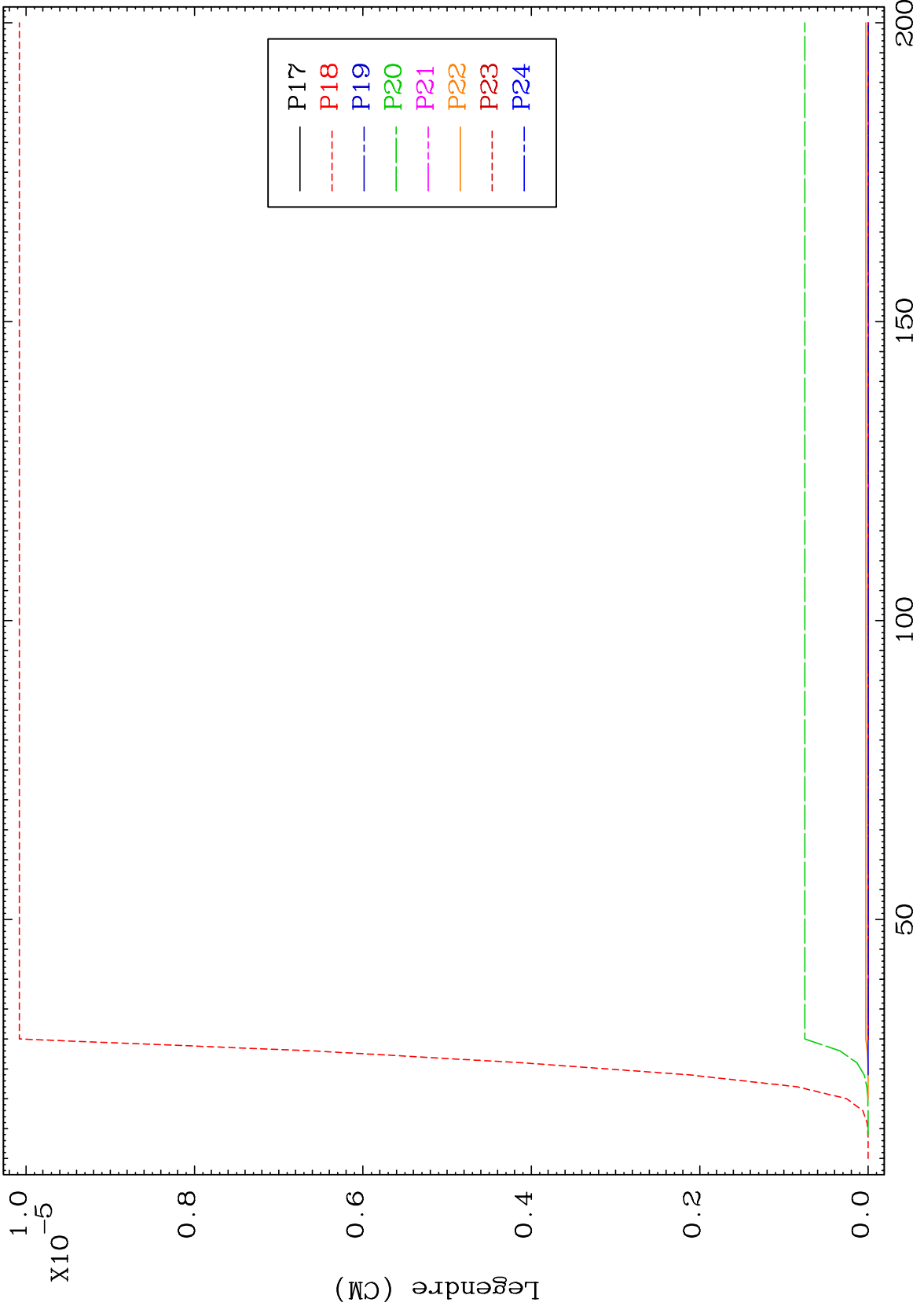
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



57-La-146

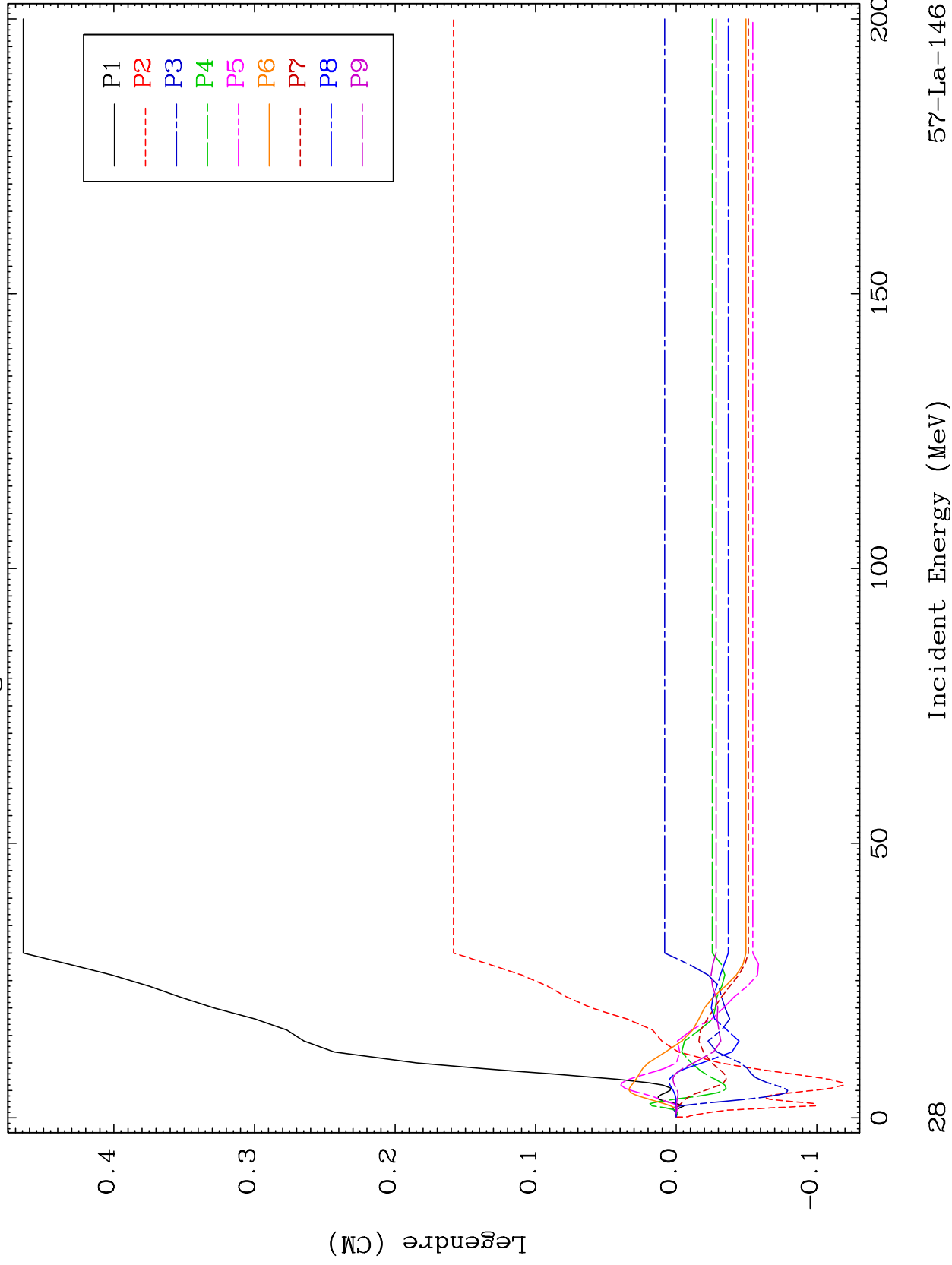
Incident Energy (MeV)

27

MAT 5749

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

57-La-146



57-La-146

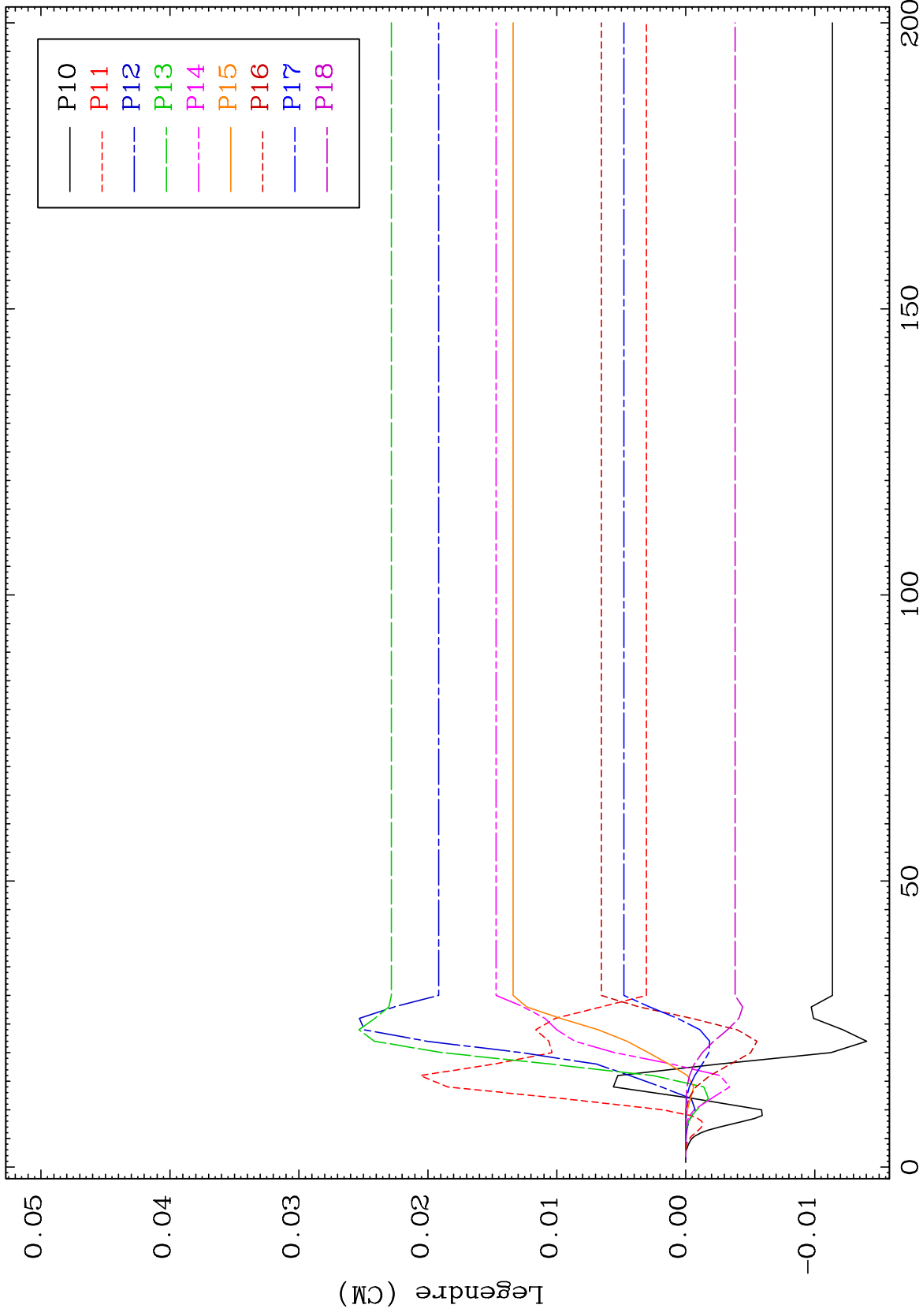
Incident Energy (MeV)

28

MAT 5749

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

57-La-146



29

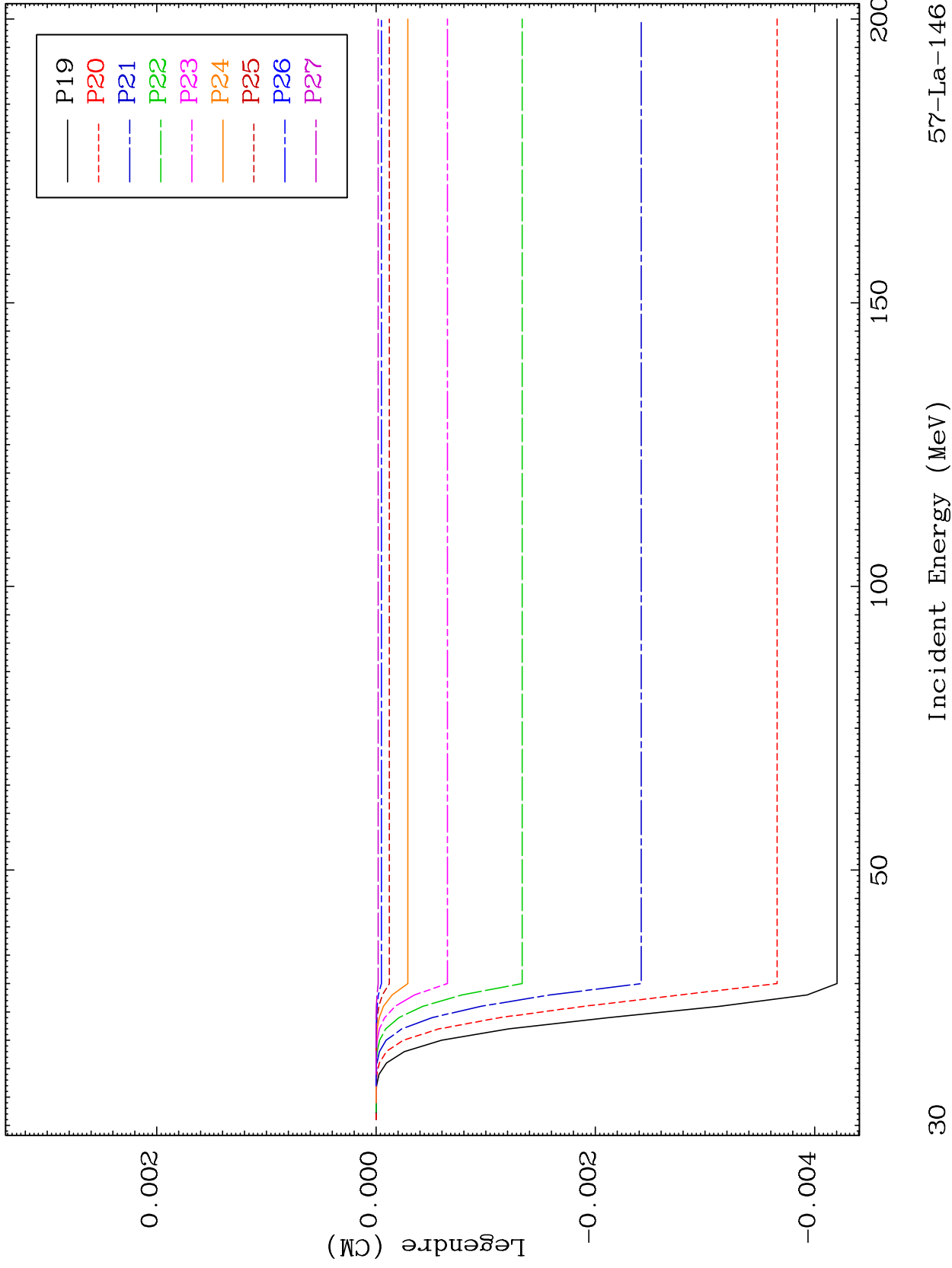
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



57-La-146

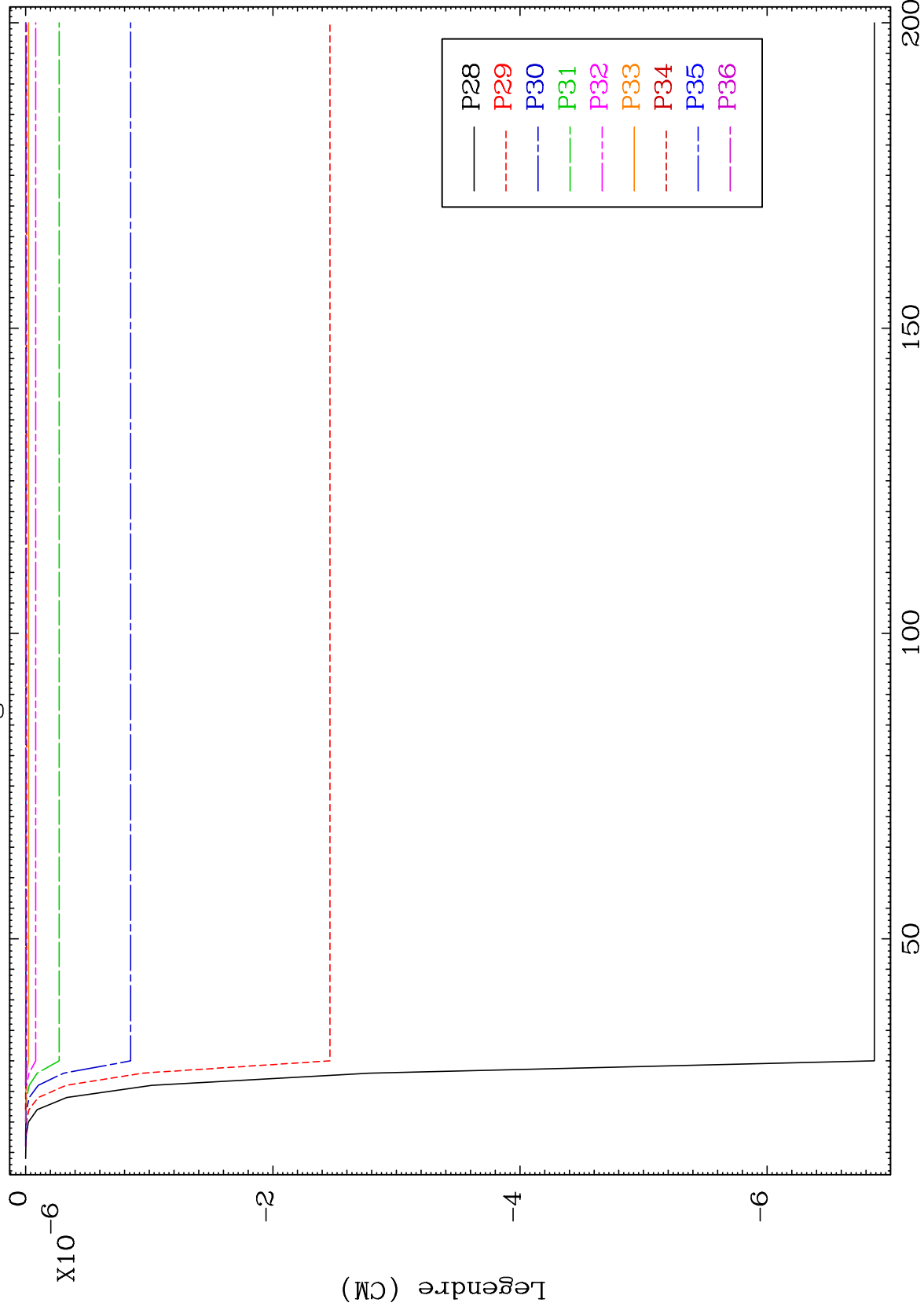
Incident Energy (MeV)

30

MAT 5749

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

57-La-146



31

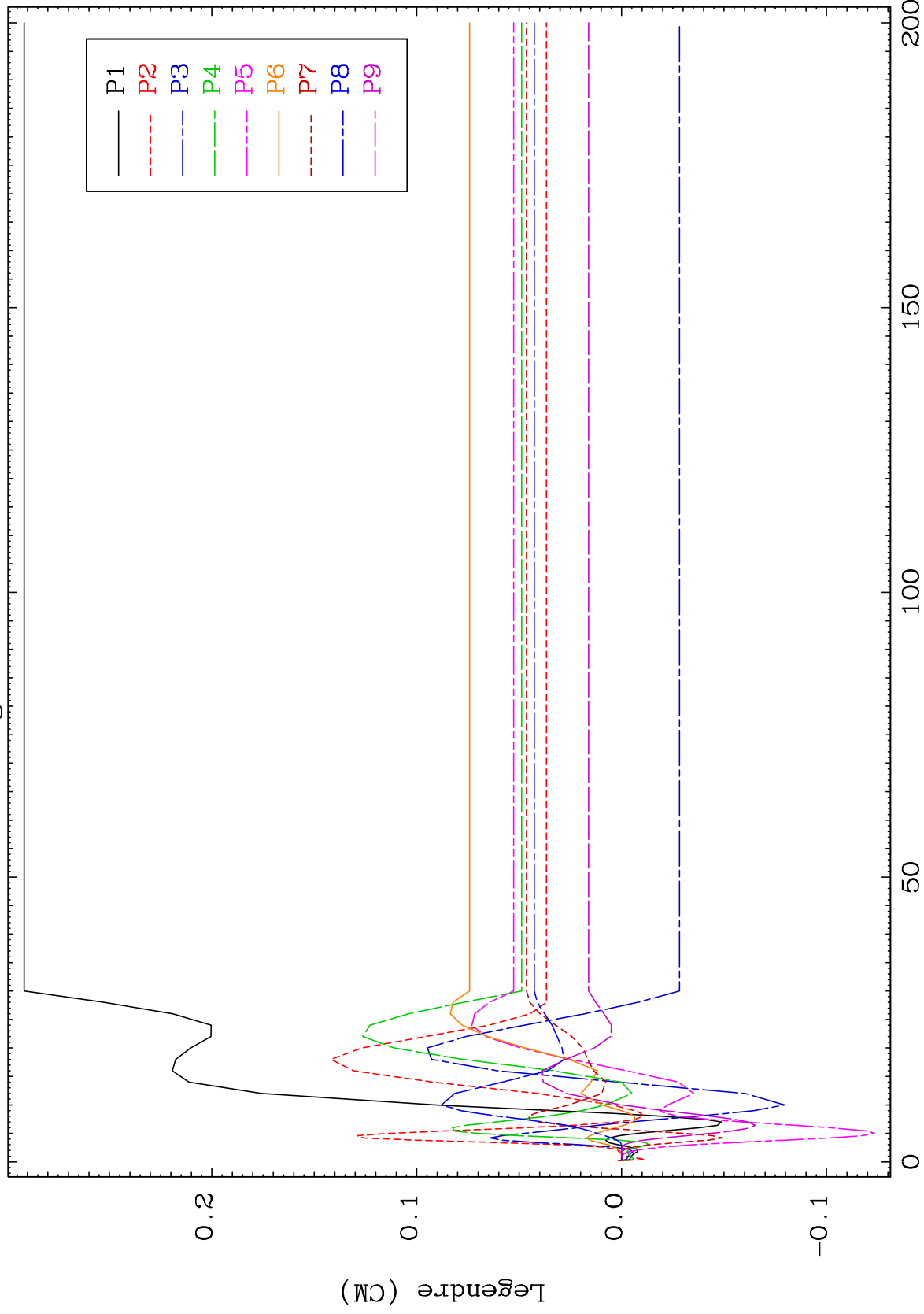
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



32

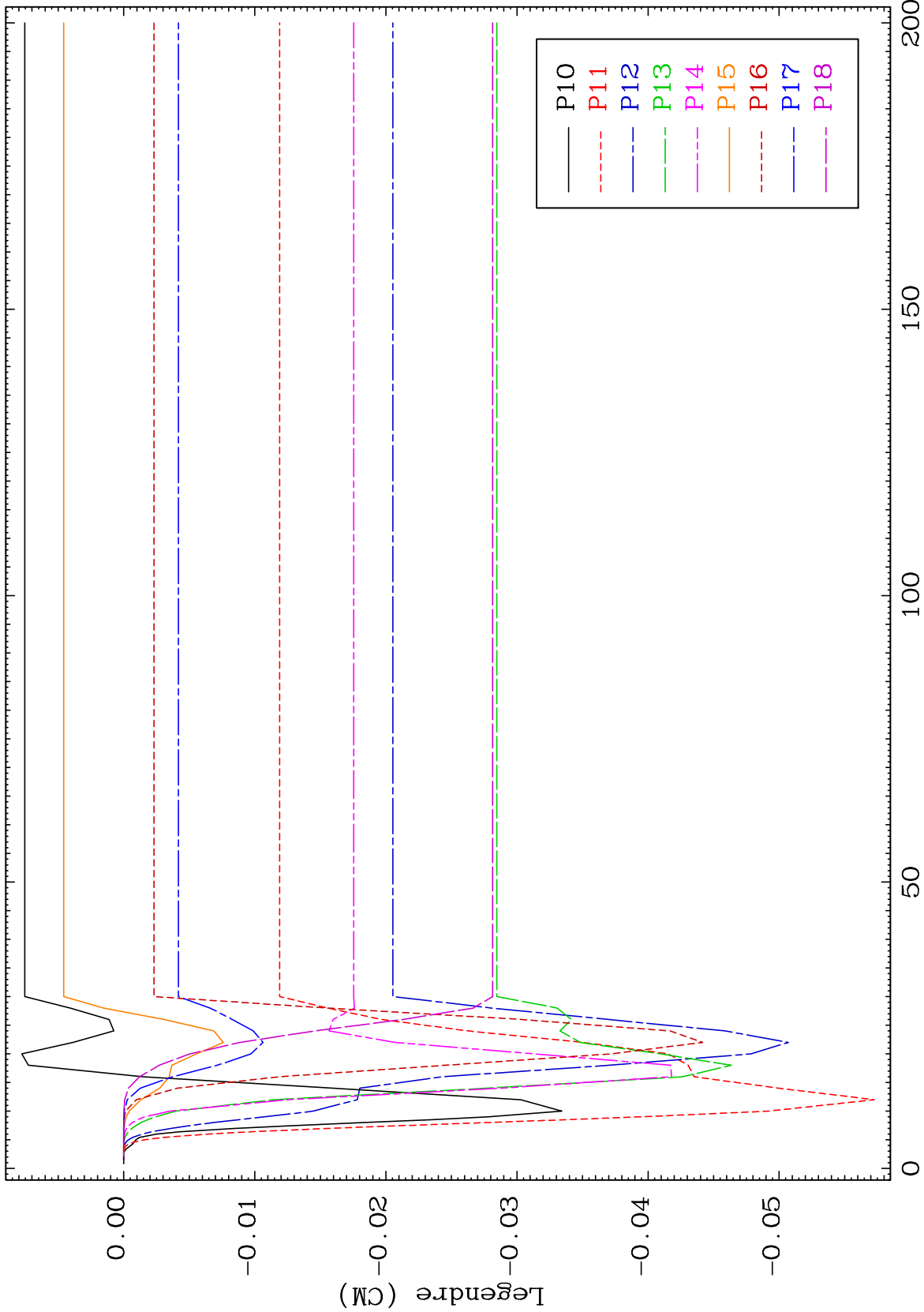
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



33

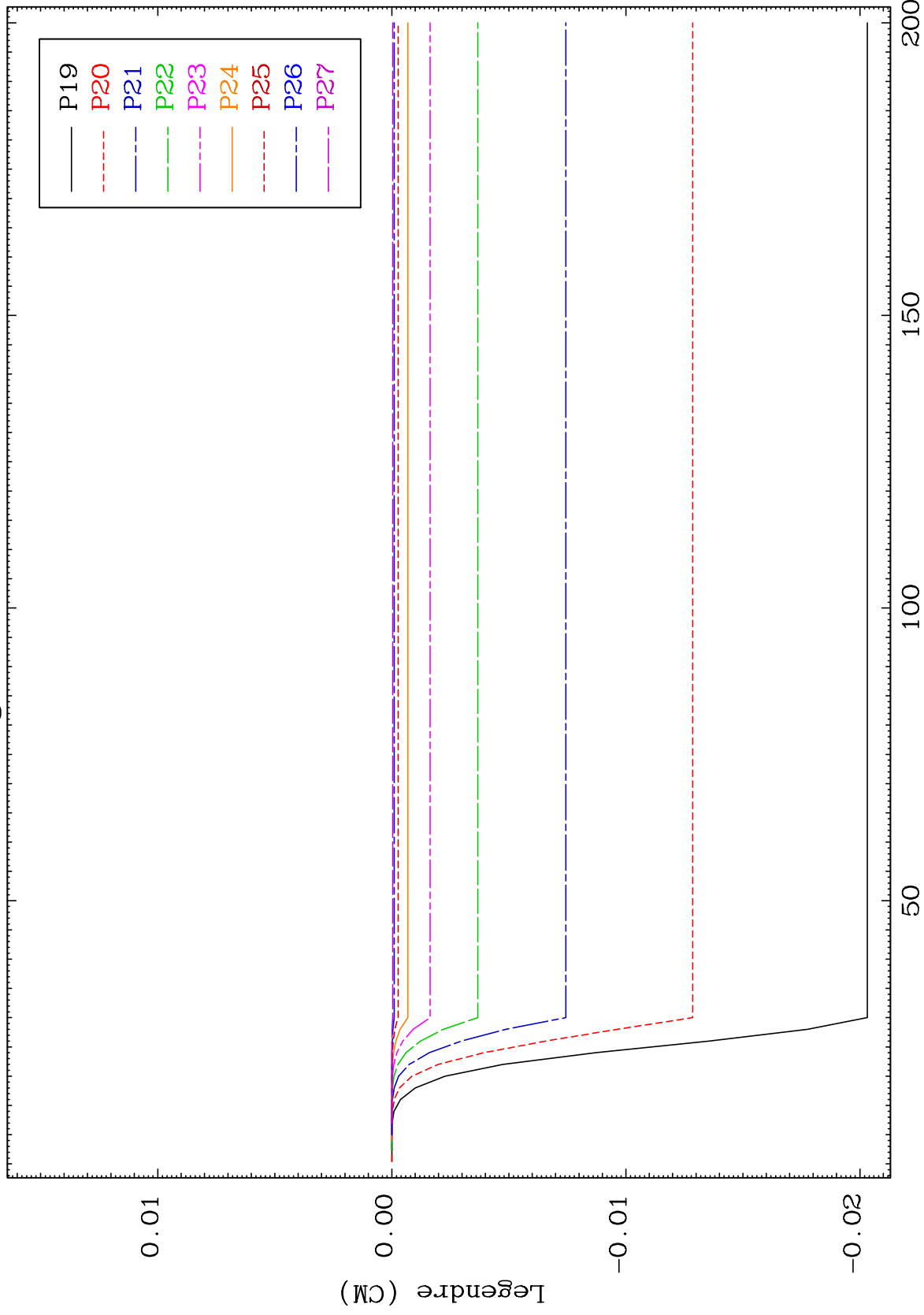
Incident Energy (MeV)

57-La-146

MAT 5749

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

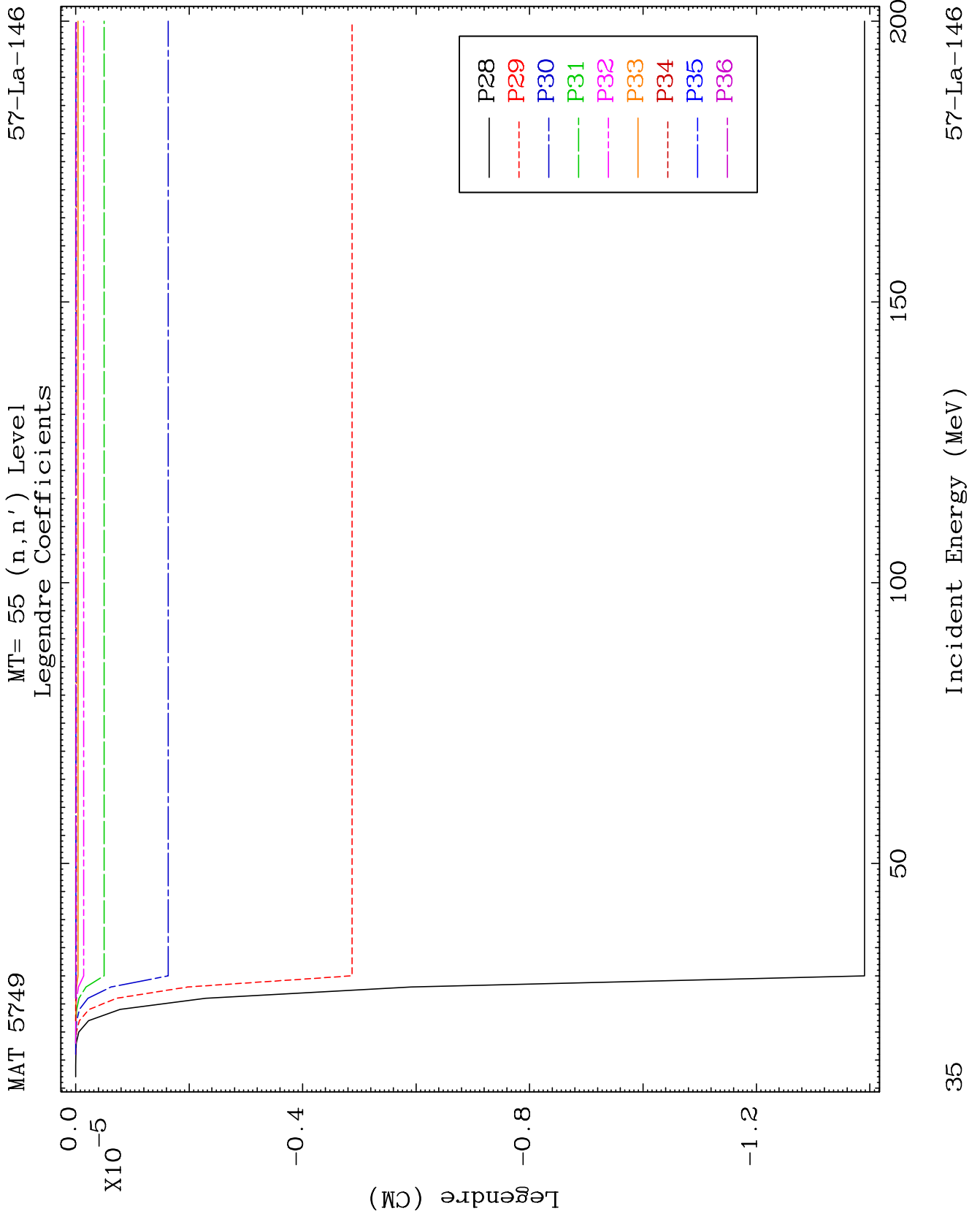
57-La-146



34

Incident Energy (MeV)

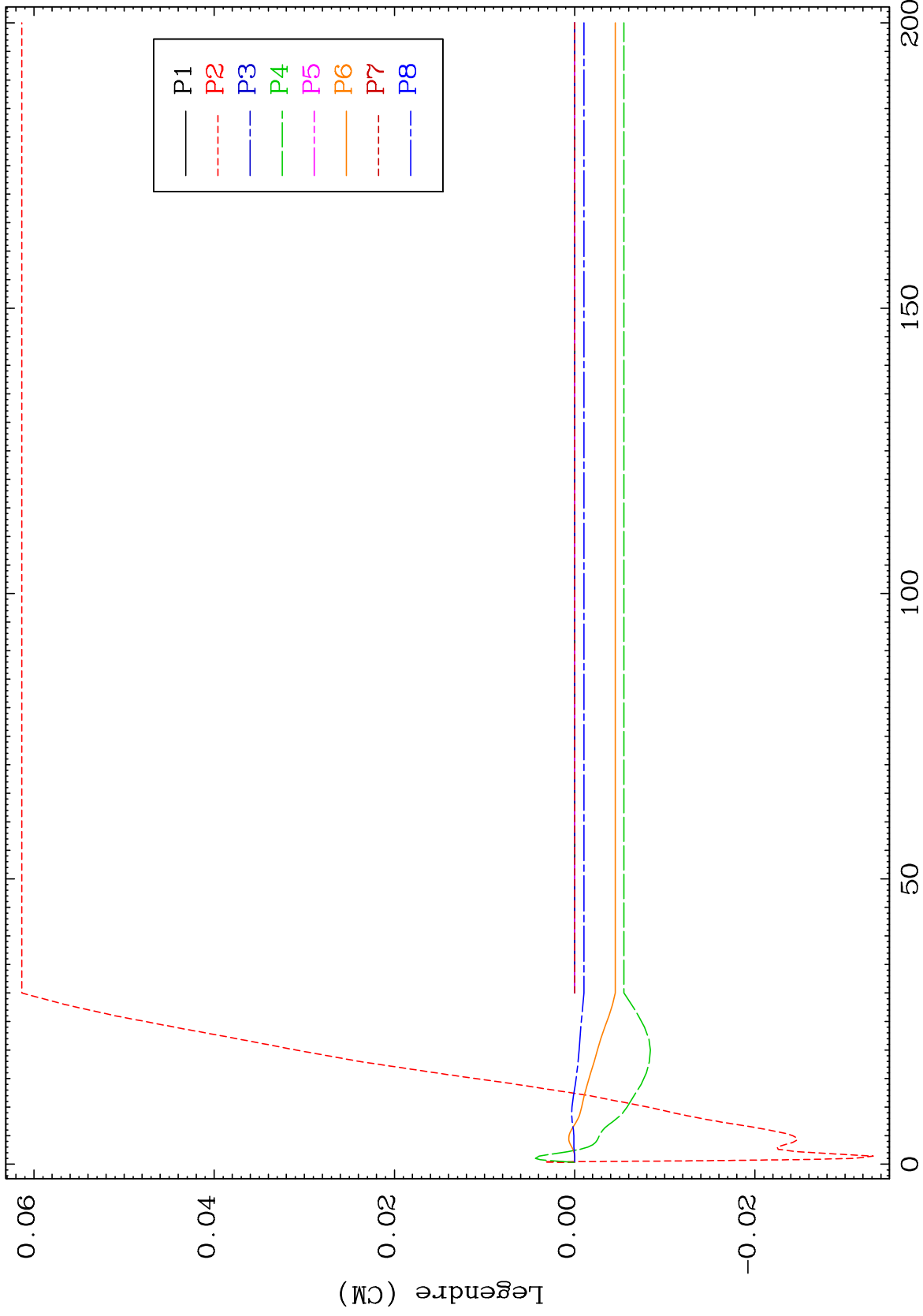
57-La-146



MAT 5749

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

57-La-146



57-La-146

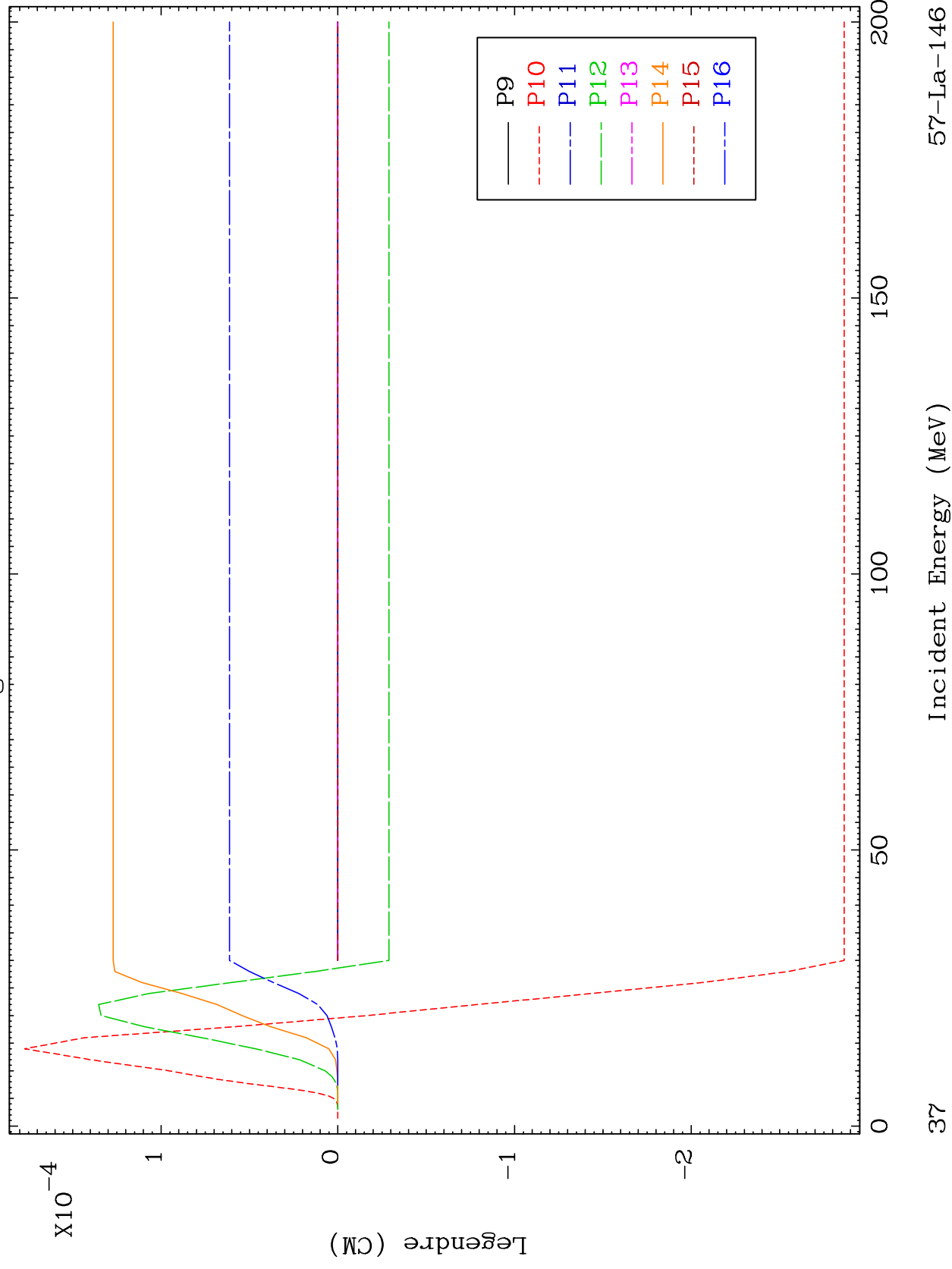
Incident Energy (MeV)

36

MAT 5749

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

57-La-146



37

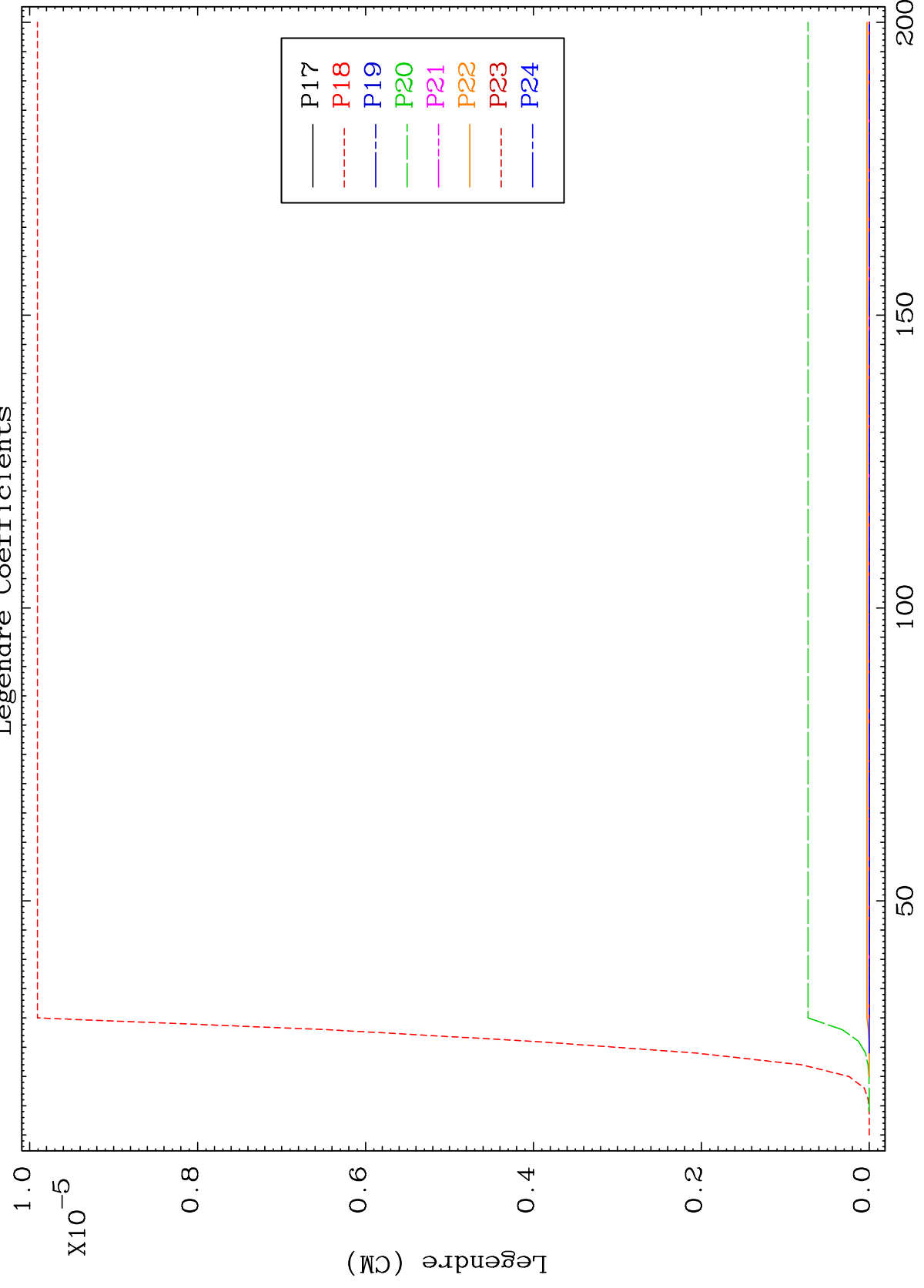
Incident Energy (MeV)

57-La-146

MAT 5749

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

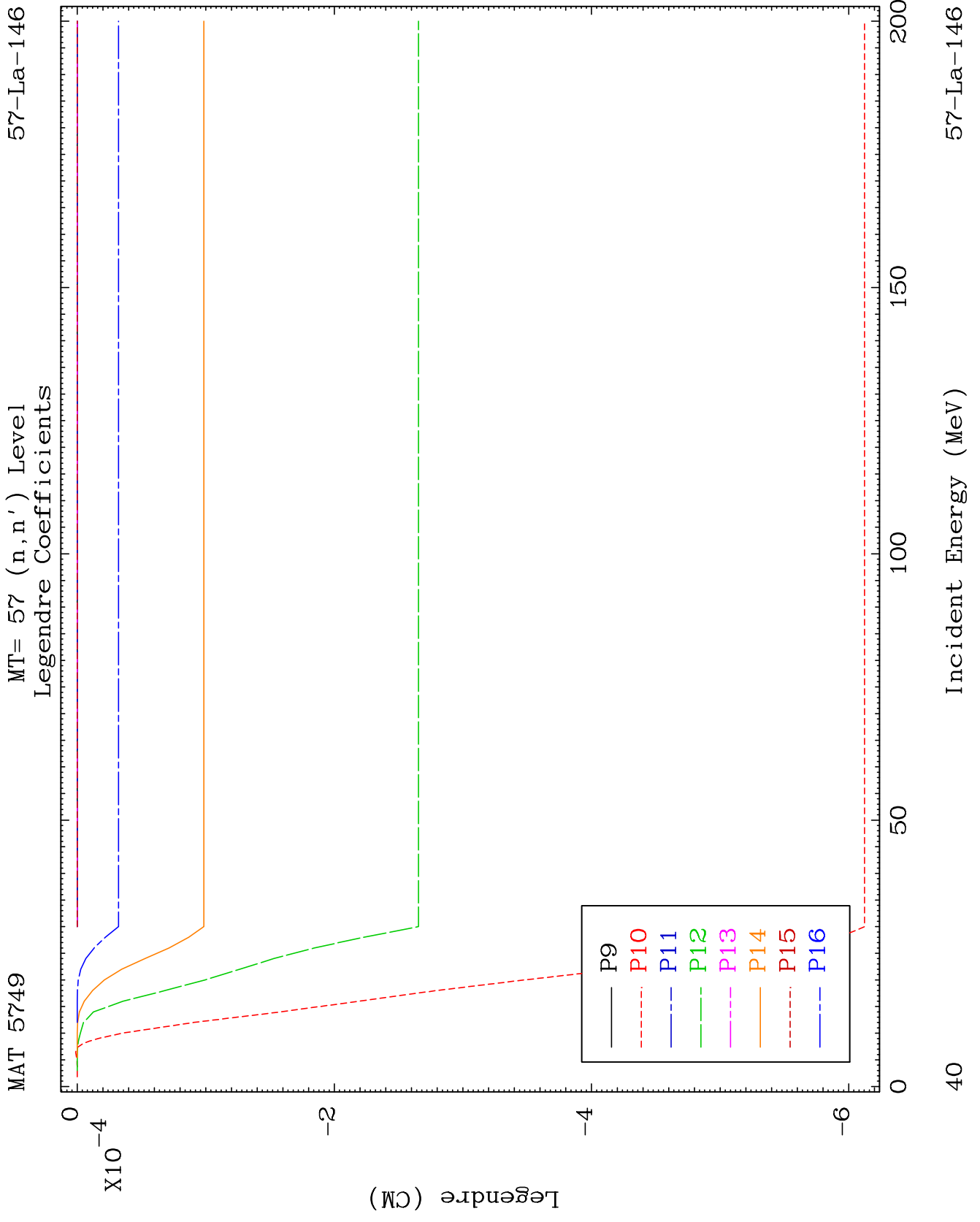
57-La-146



57-La-146

Incident Energy (MeV)

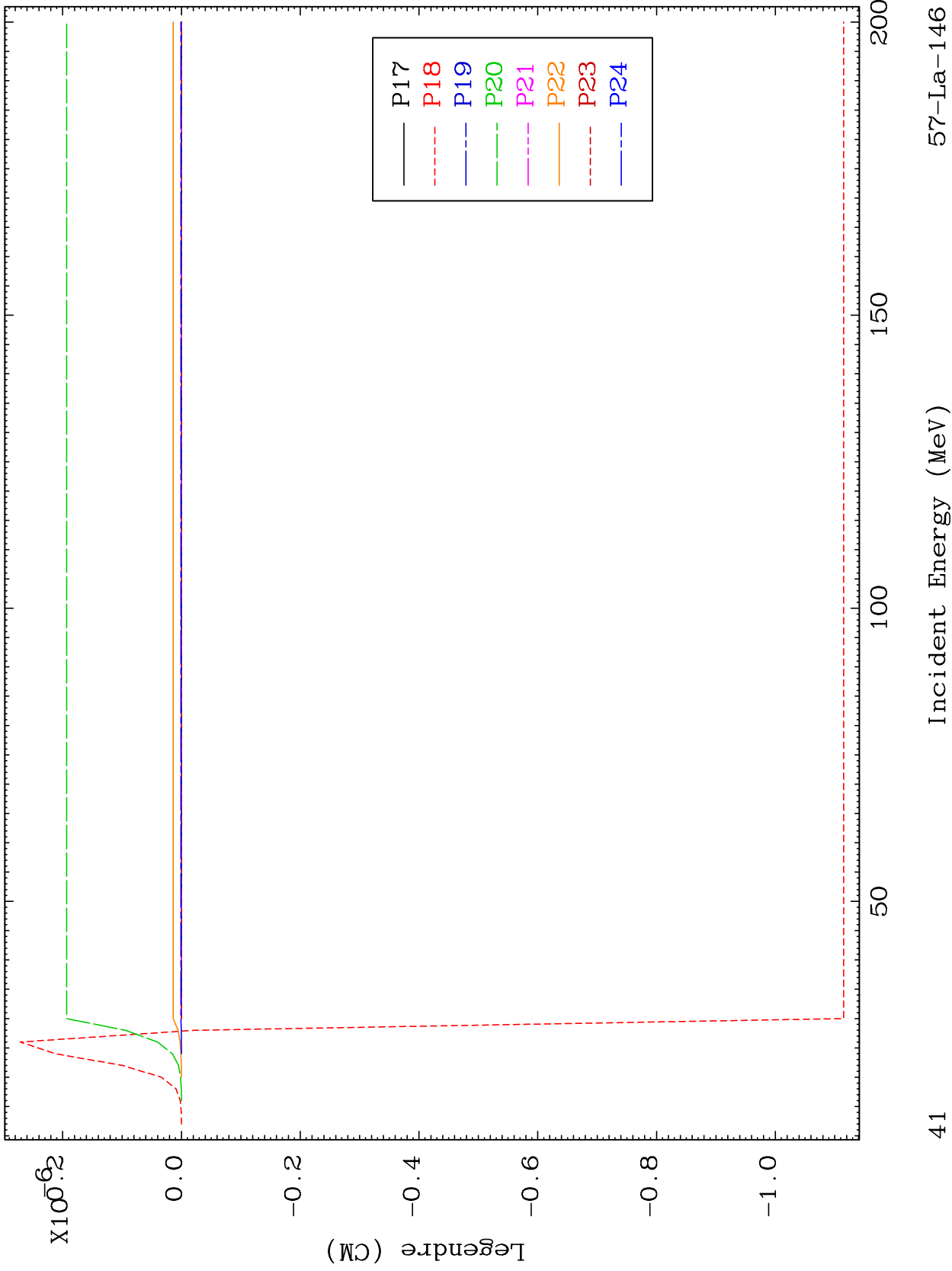
38



MAT 5749

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

57-La-146



41

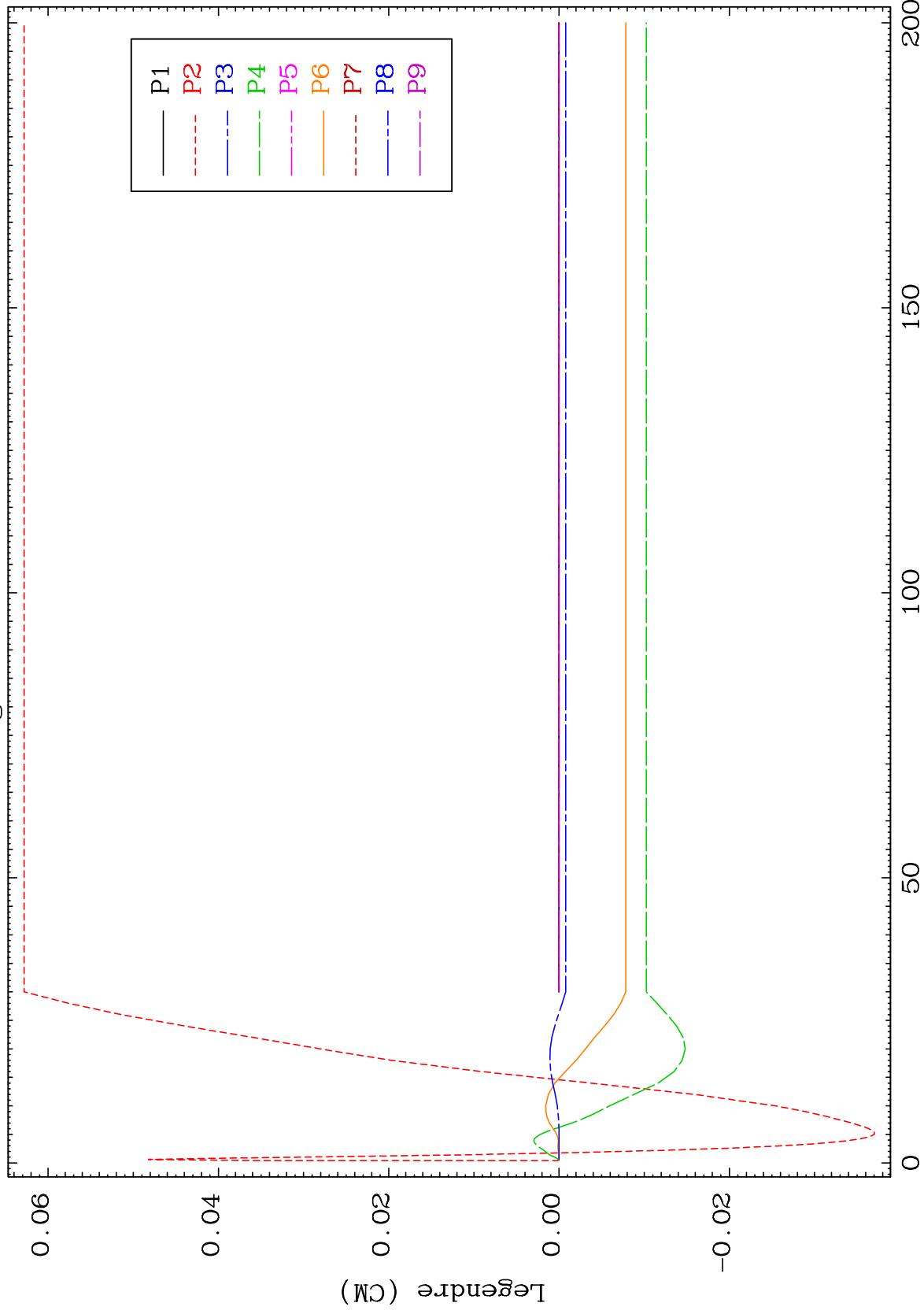
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



57-La-146

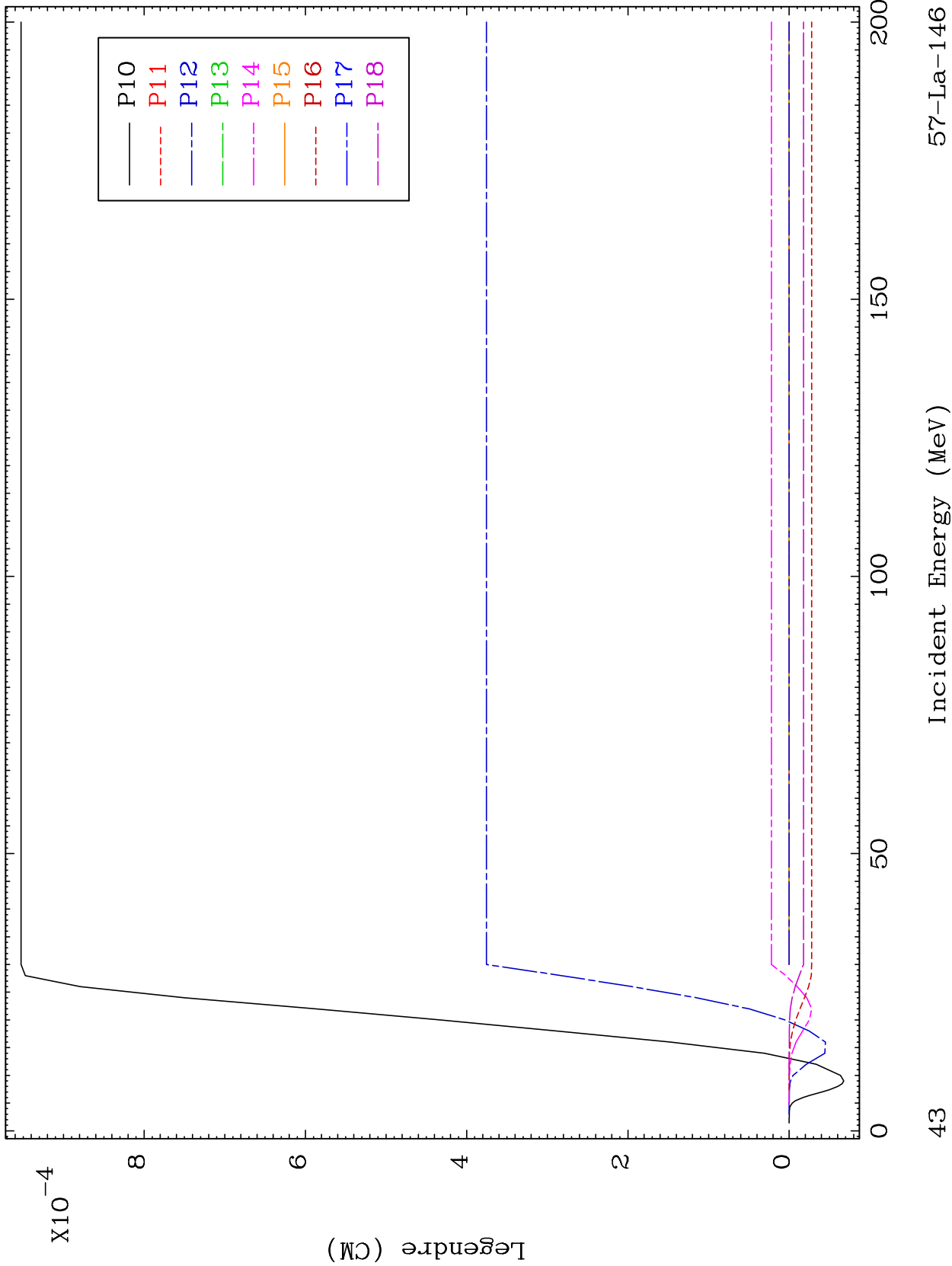
Incident Energy (MeV)

42

MAT 5749

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

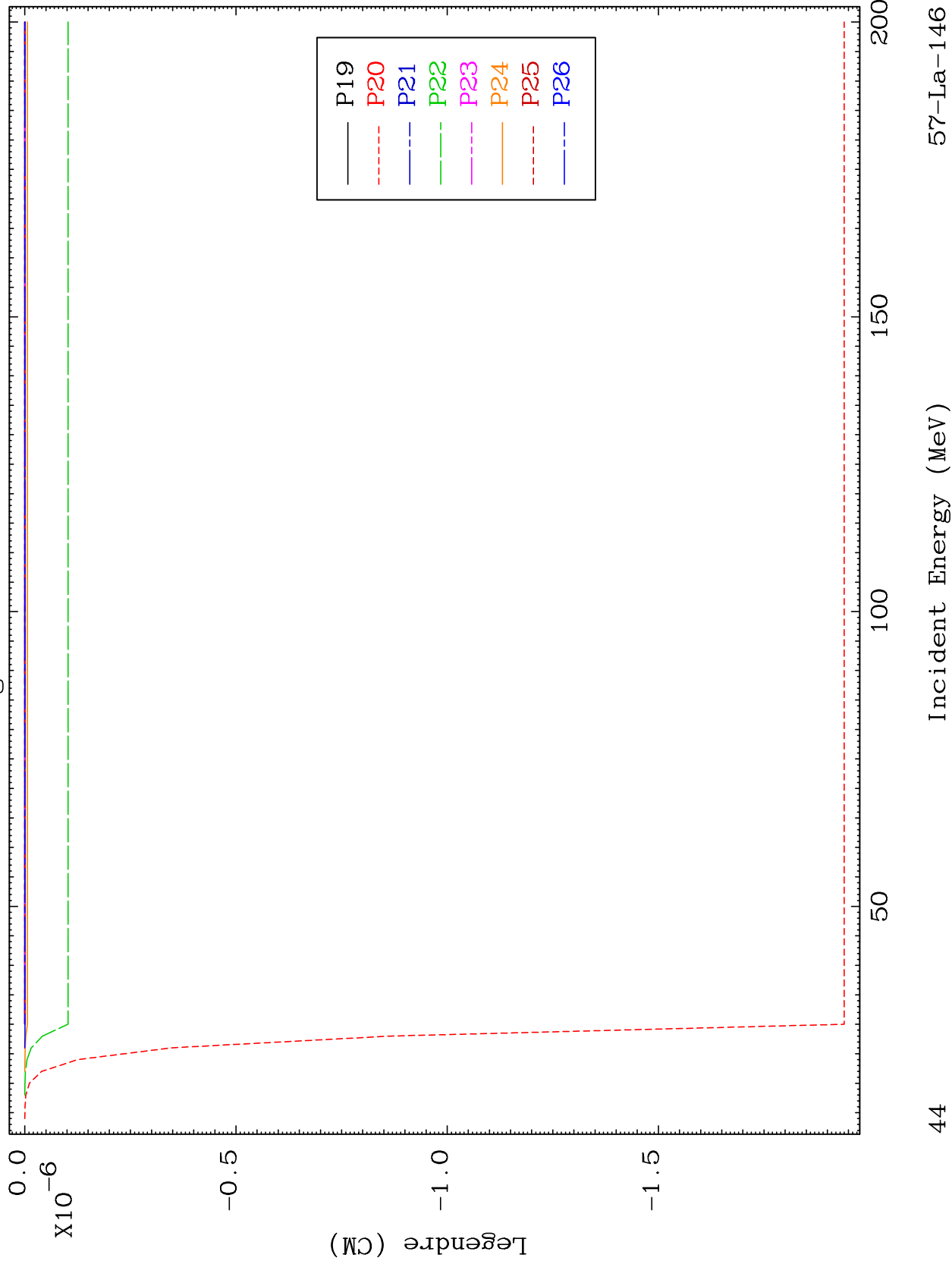
57-La-146



MAT 5749

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

57-La-146



44

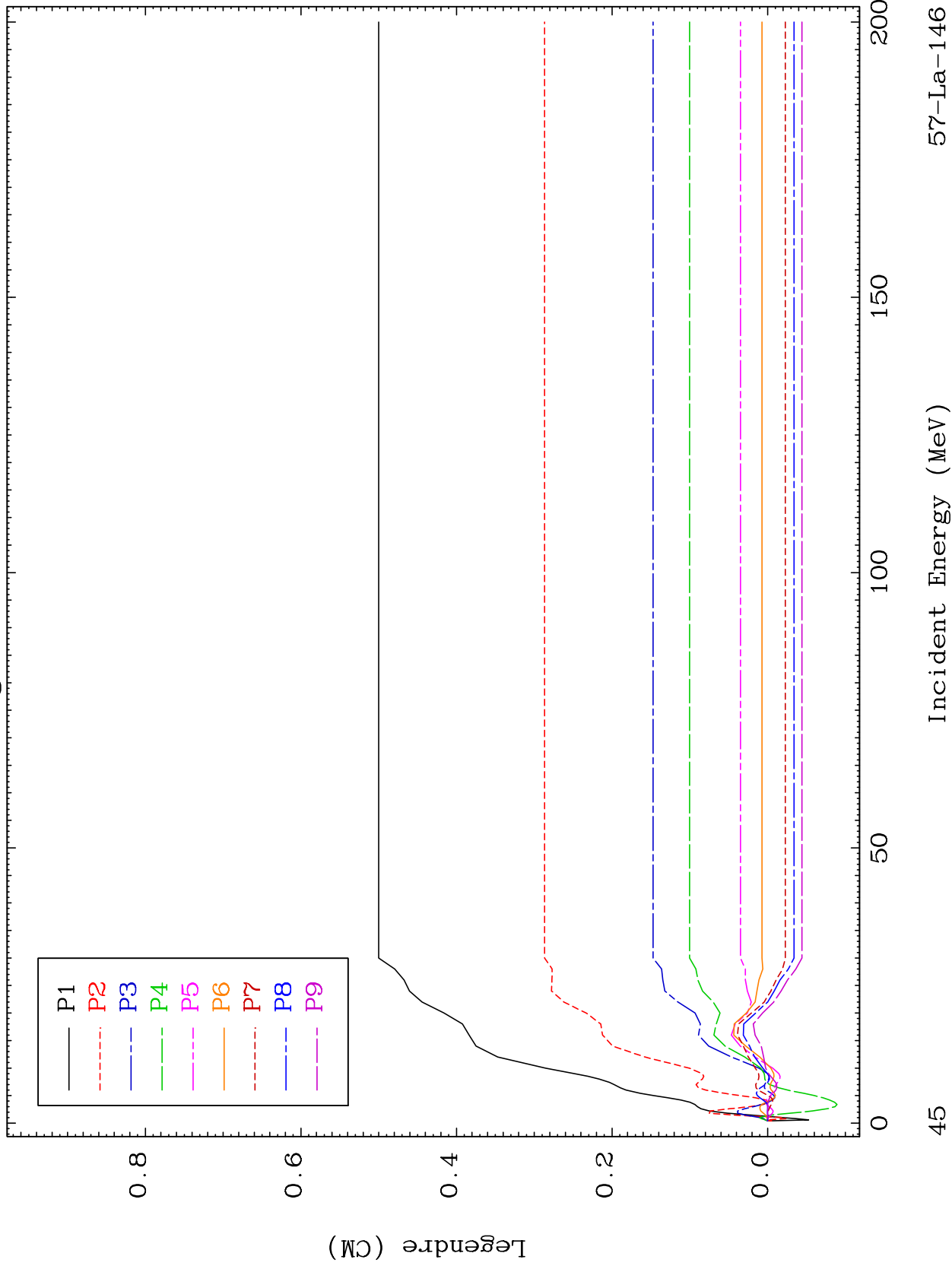
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



57-La-146

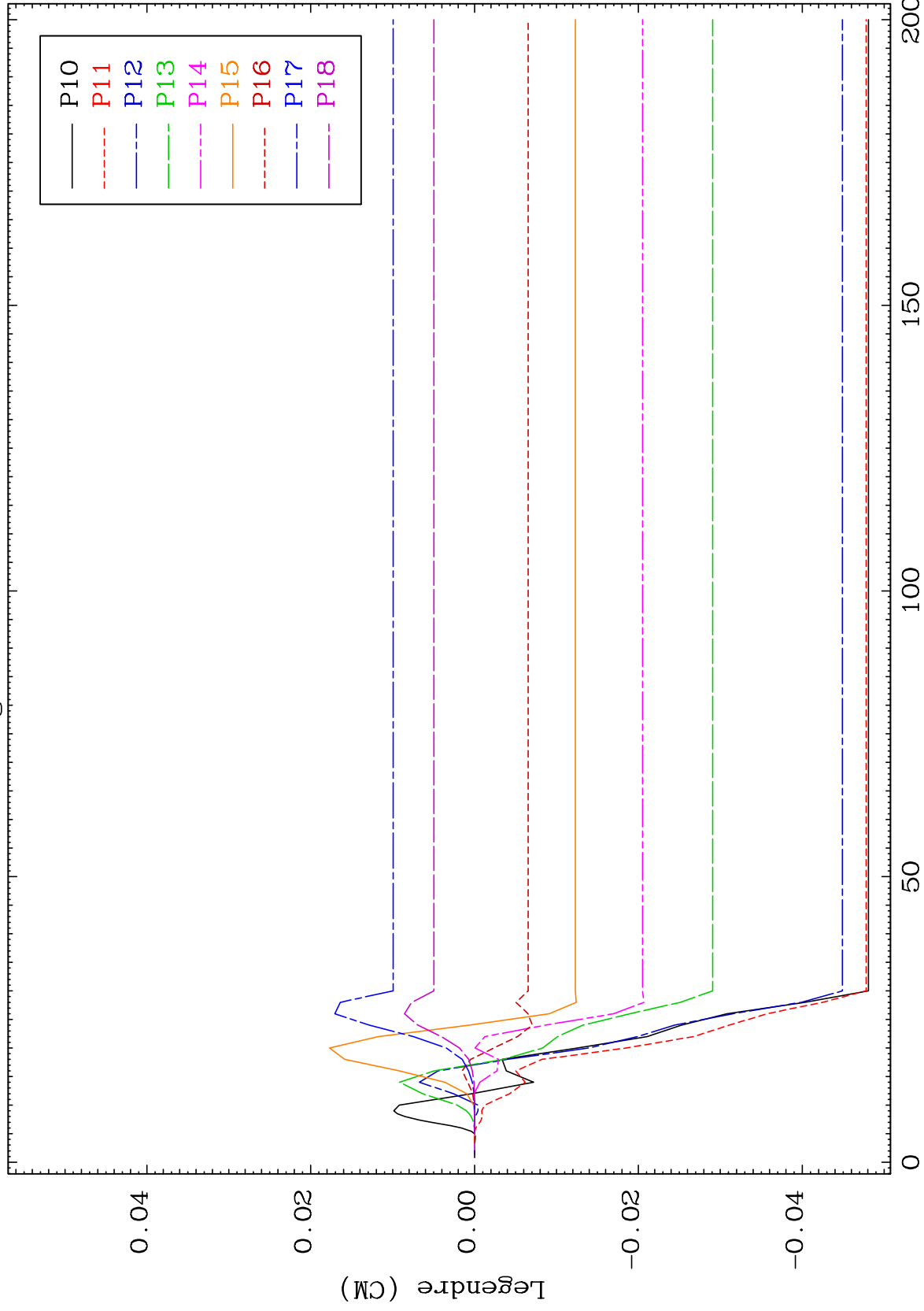
Incident Energy (MeV)

45

MAT 5749

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

57-La-146



46

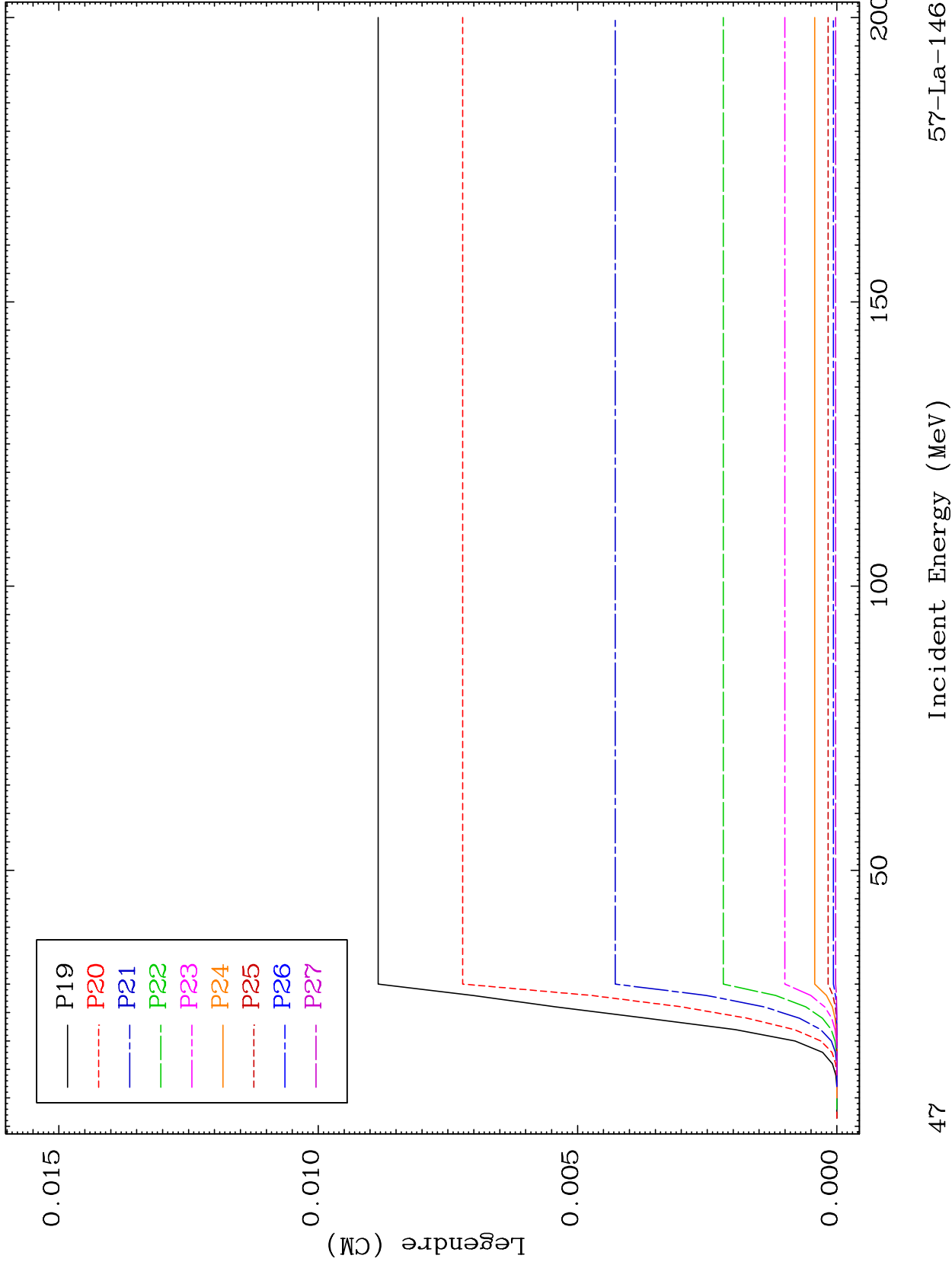
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



47

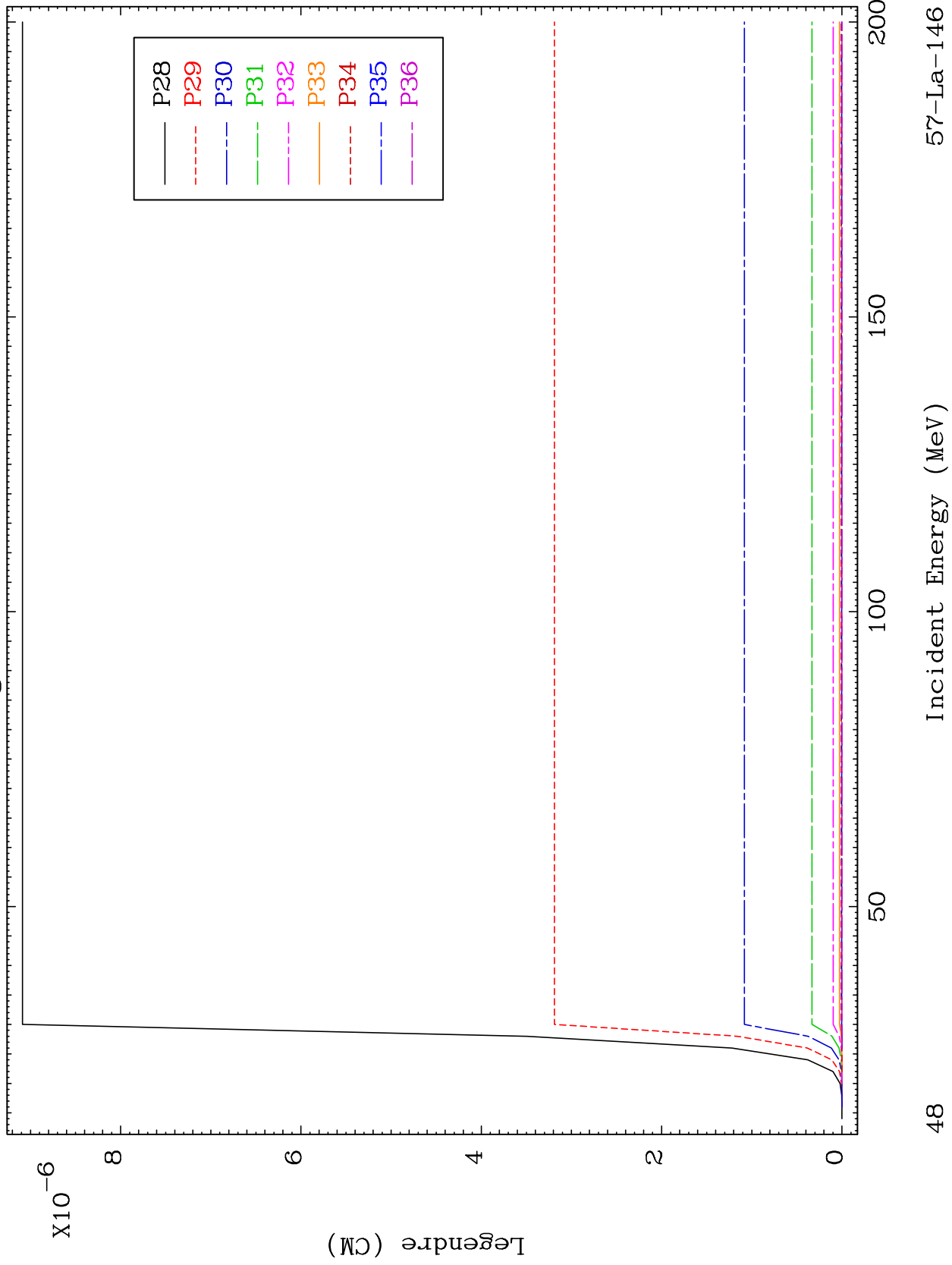
Incident Energy (MeV)

57-La-146

MAT 5749

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

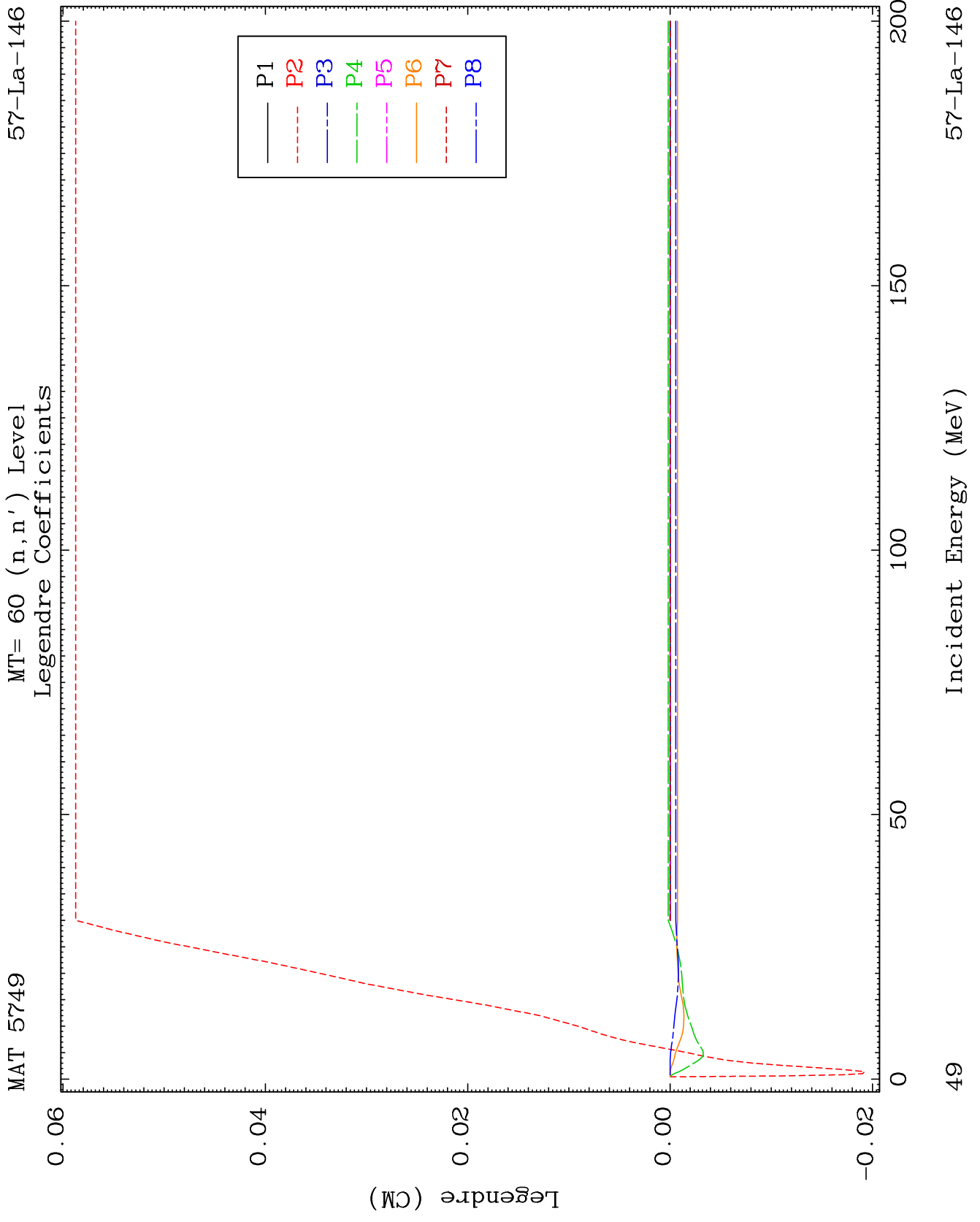
57-La-146

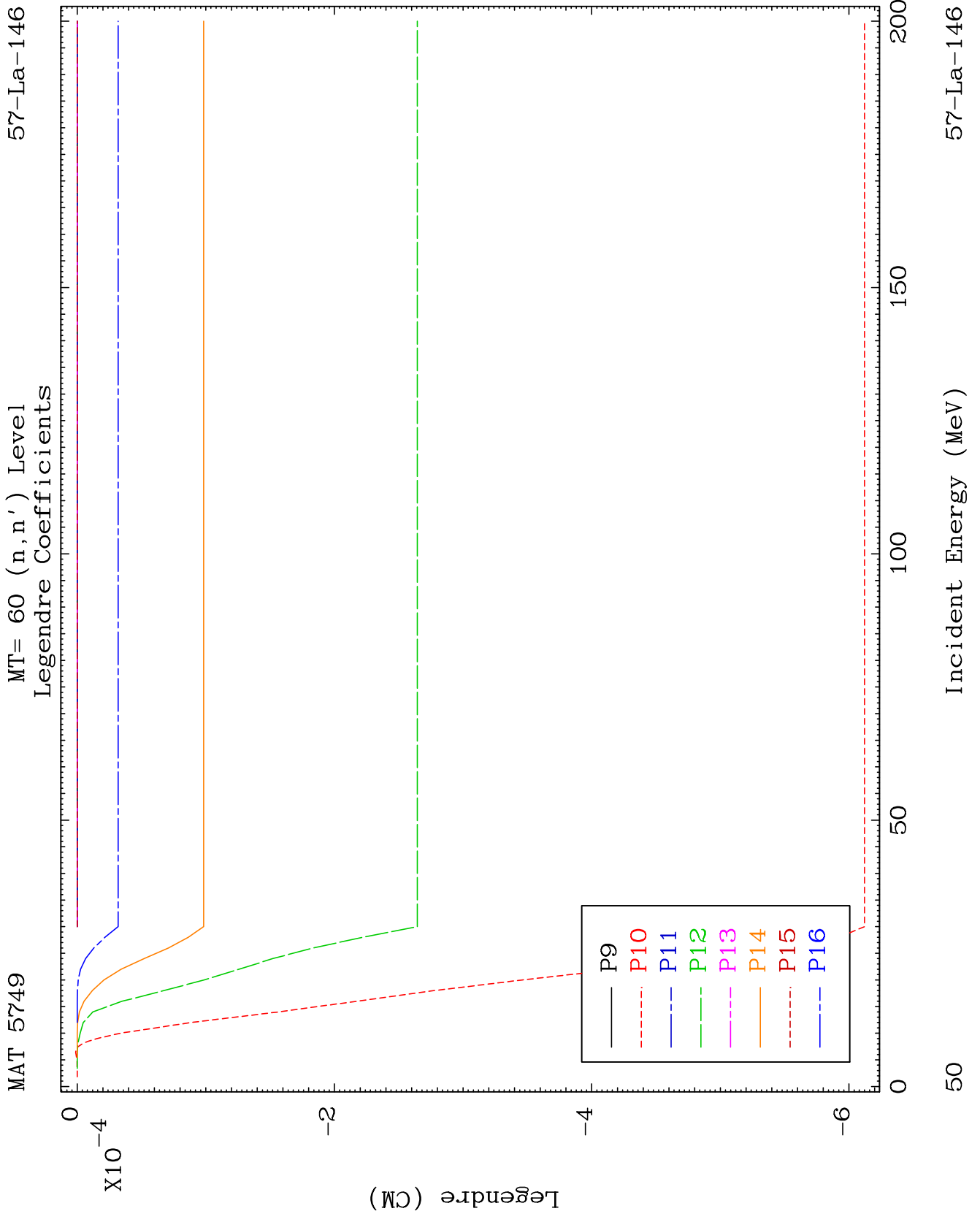


48

Incident Energy (MeV)

57-La-146

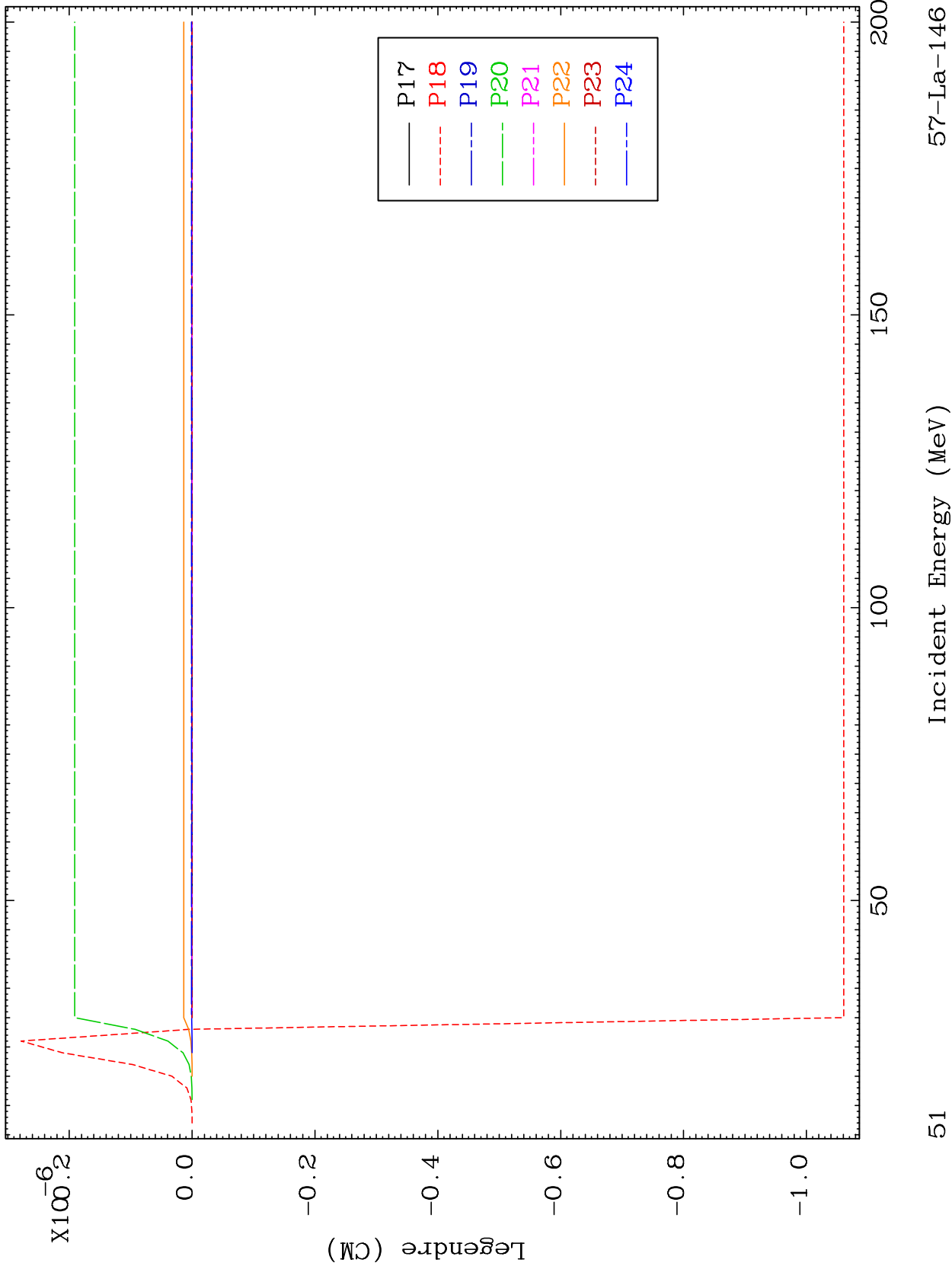




MAT 5749

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

57-La-146



51

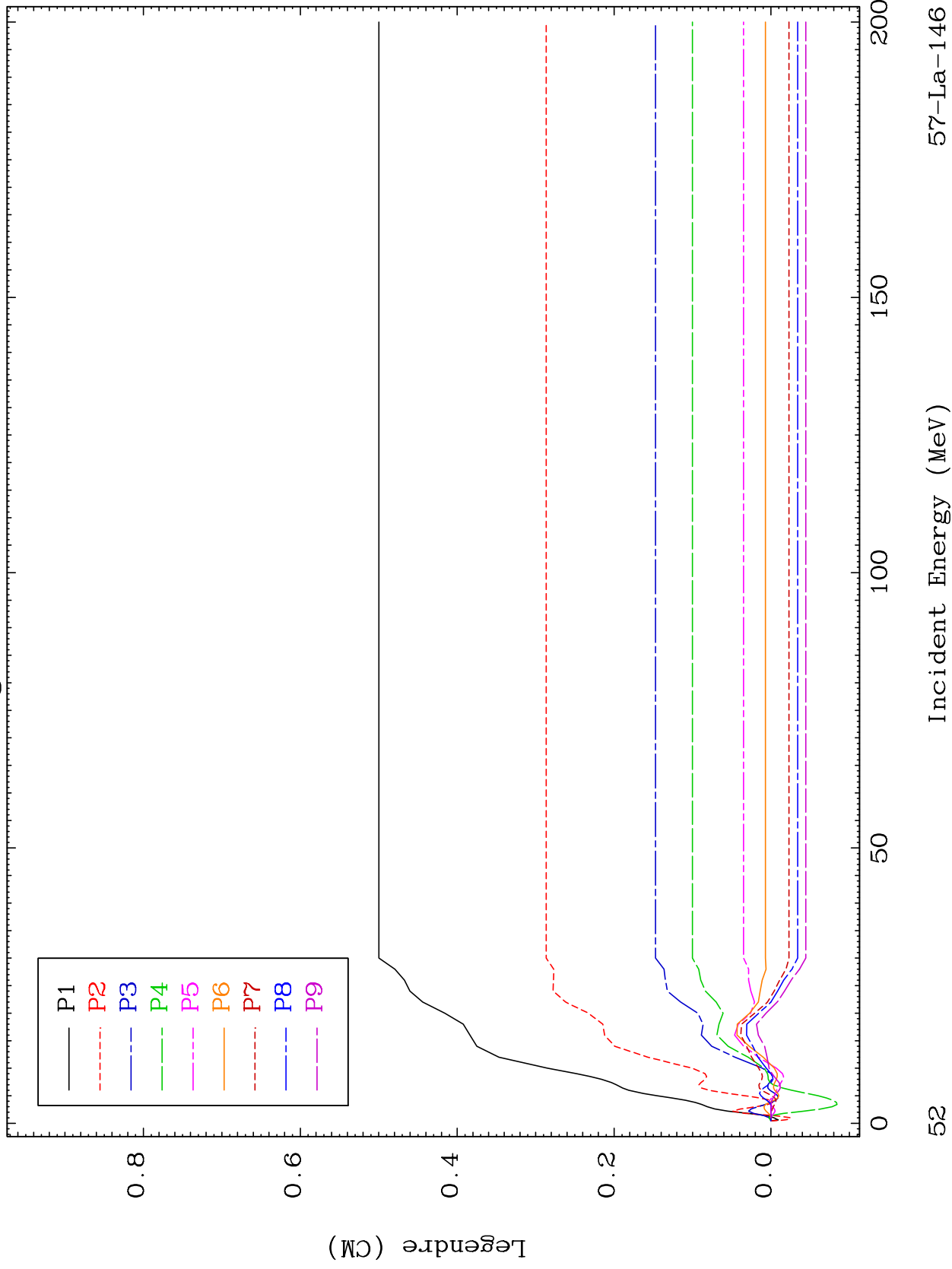
Incident Energy (MeV)

57-La-146

MAT 5749

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

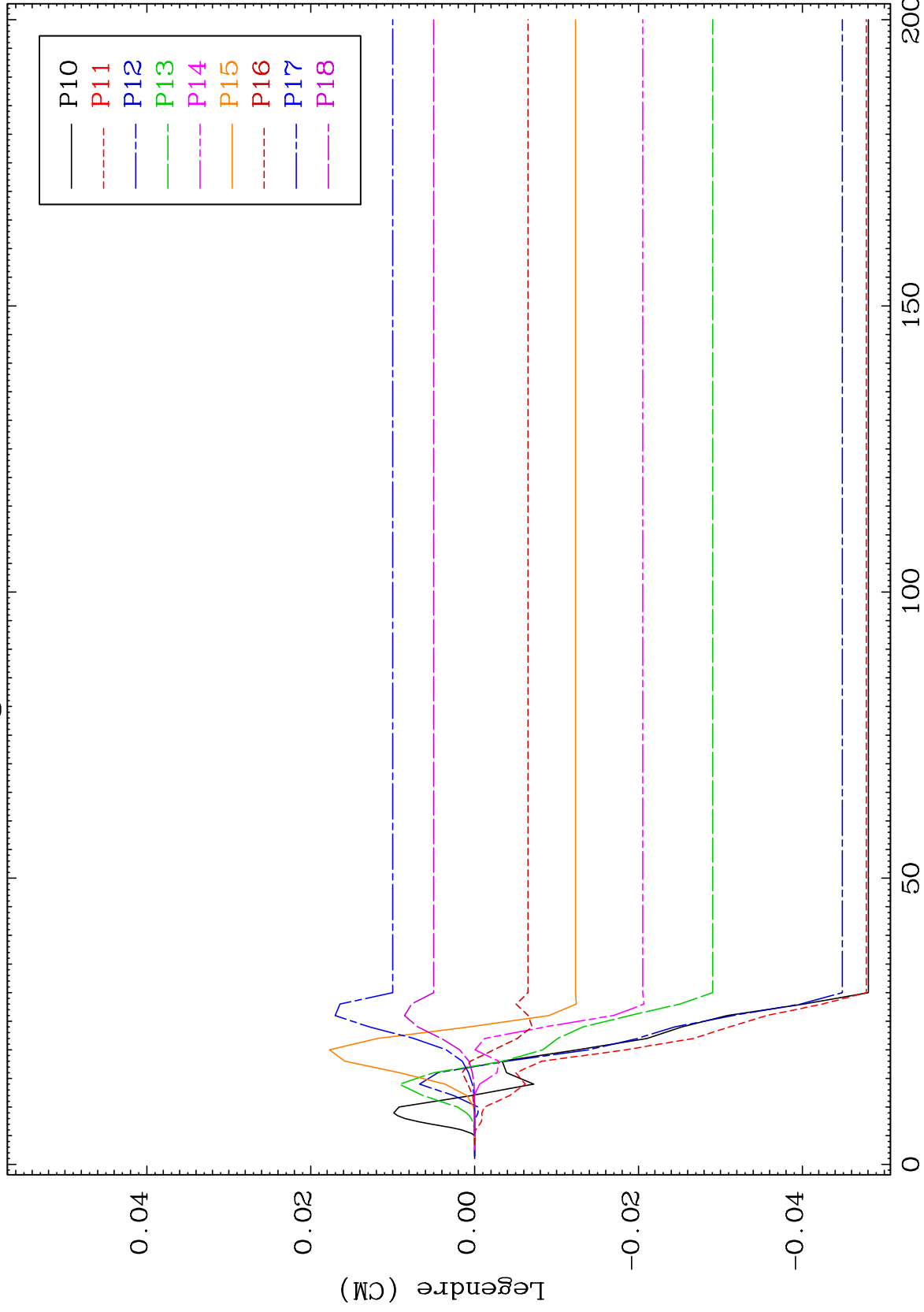
57-La-146



MAT 5749

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

57-La-146



53

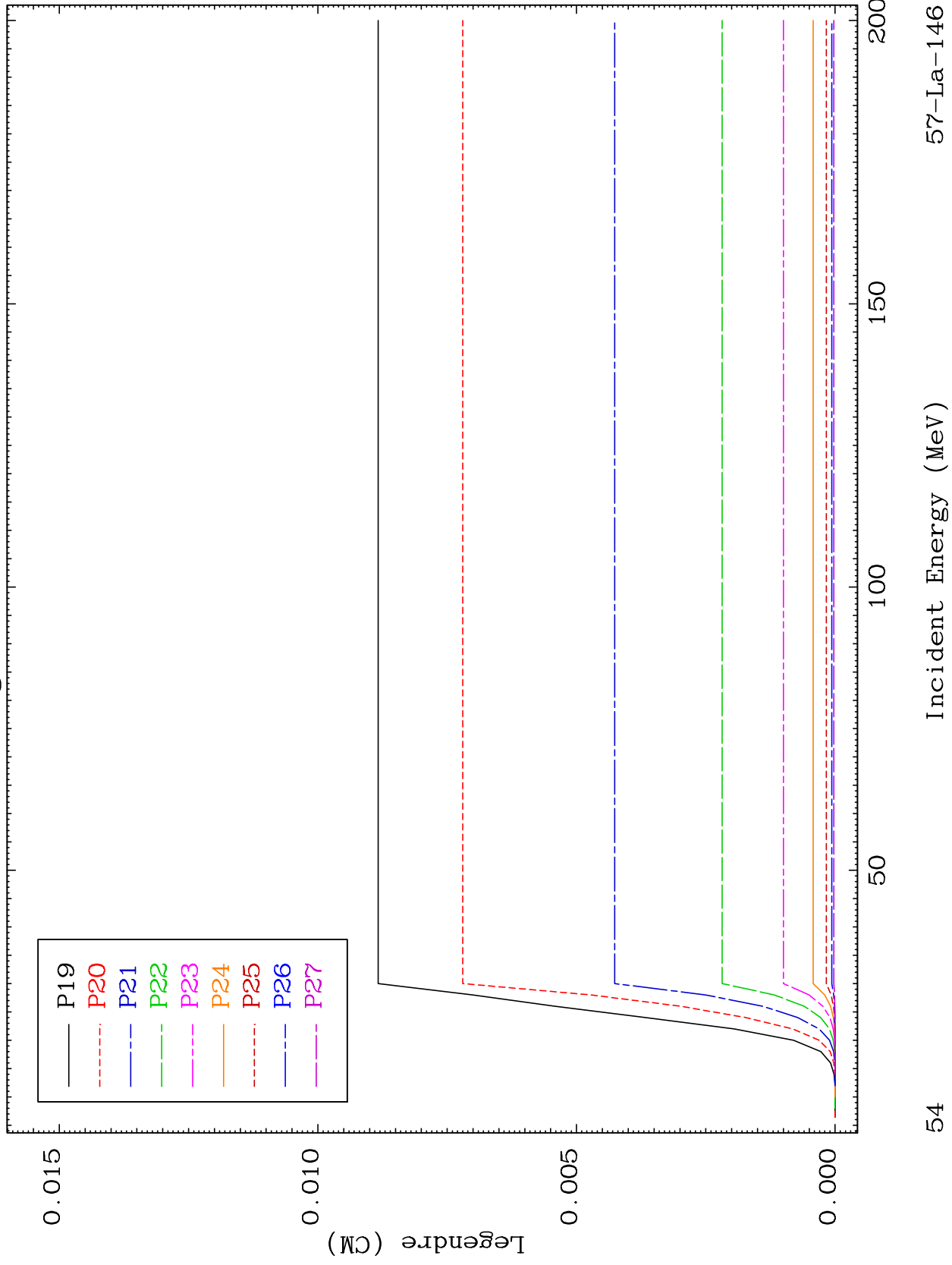
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



57-La-146

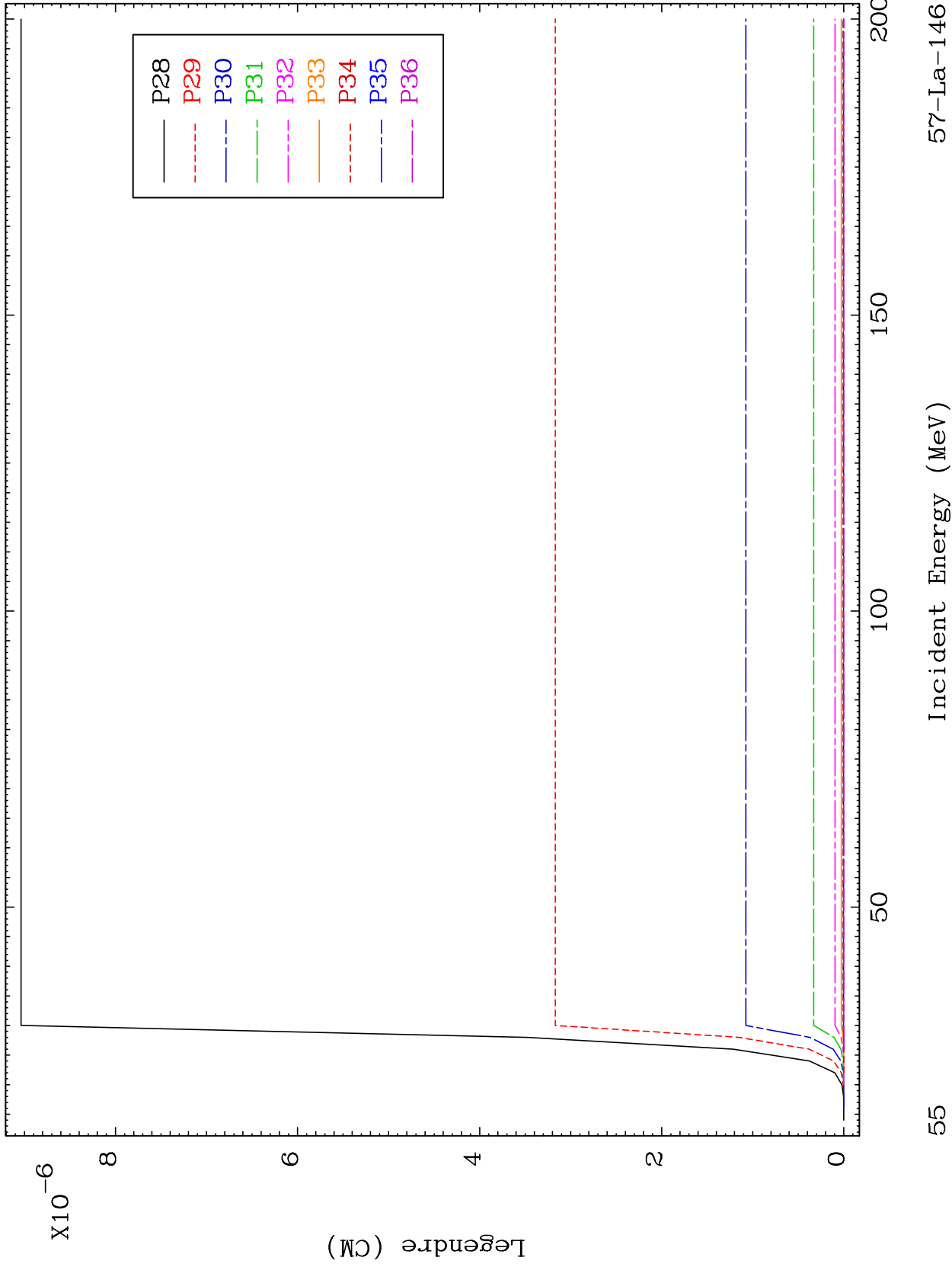
Incident Energy (MeV)

54

MAT 5749

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

57-La-146



55

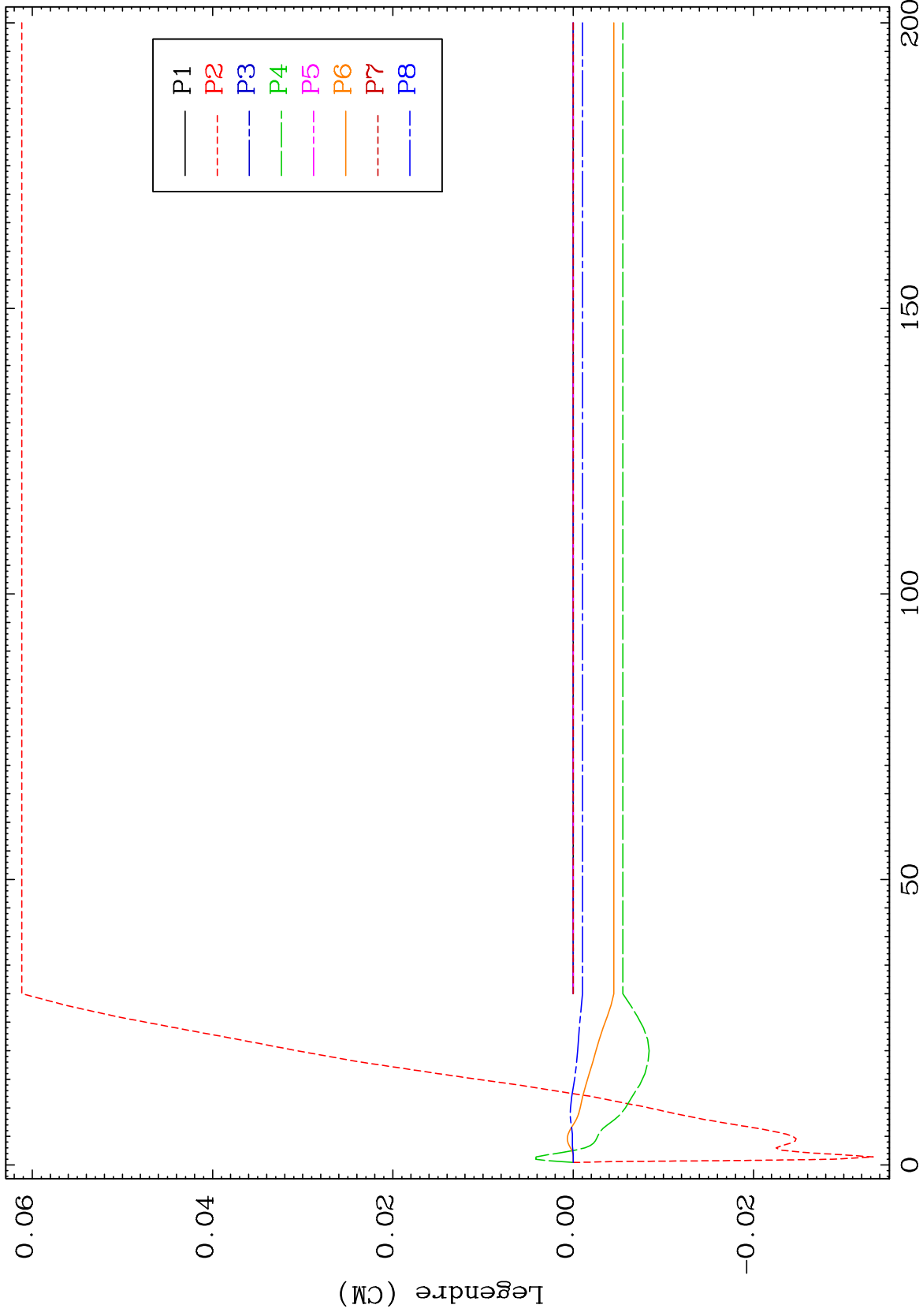
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



57-La-146

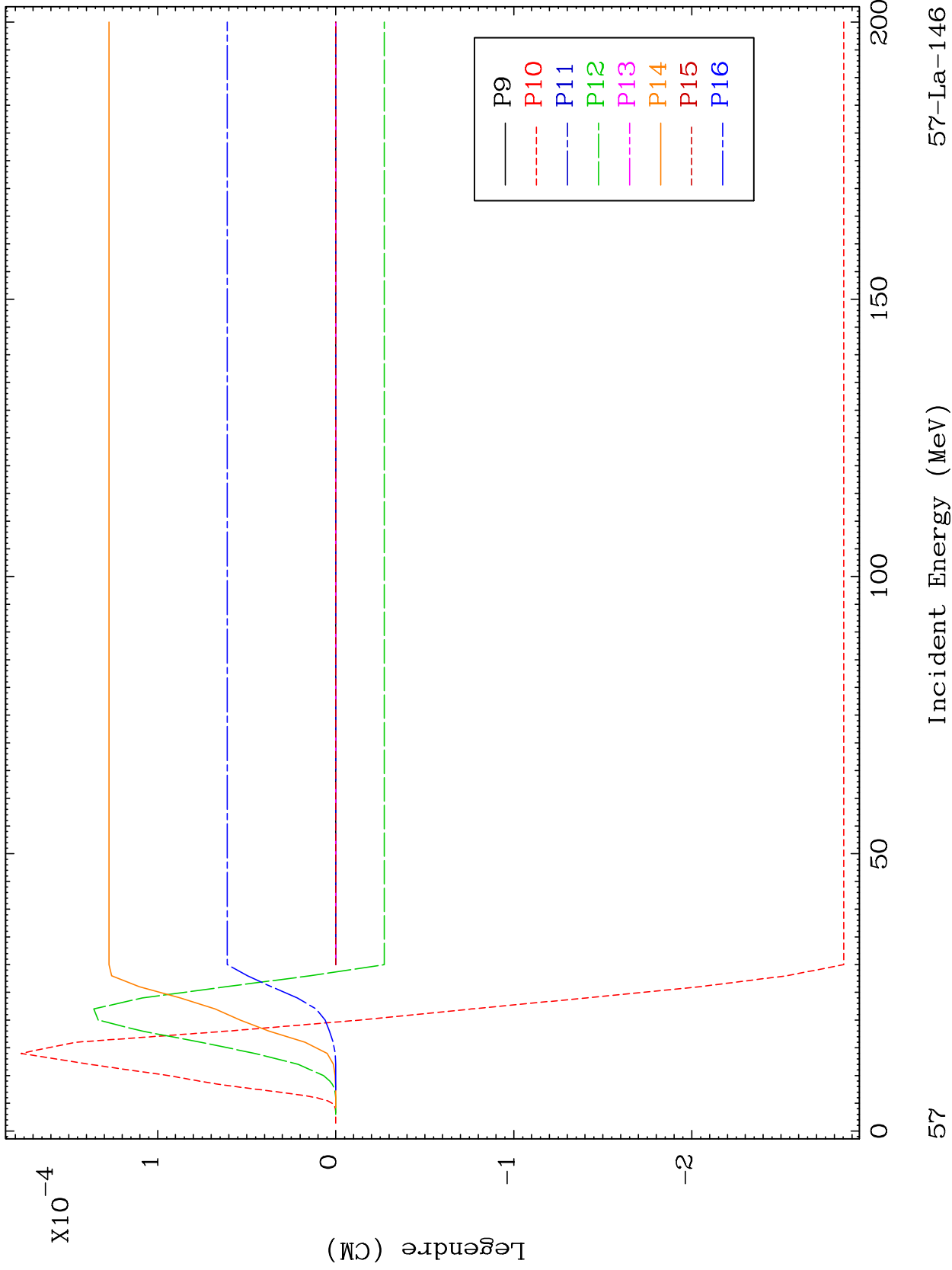
Incident Energy (MeV)

56

MAT 5749

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

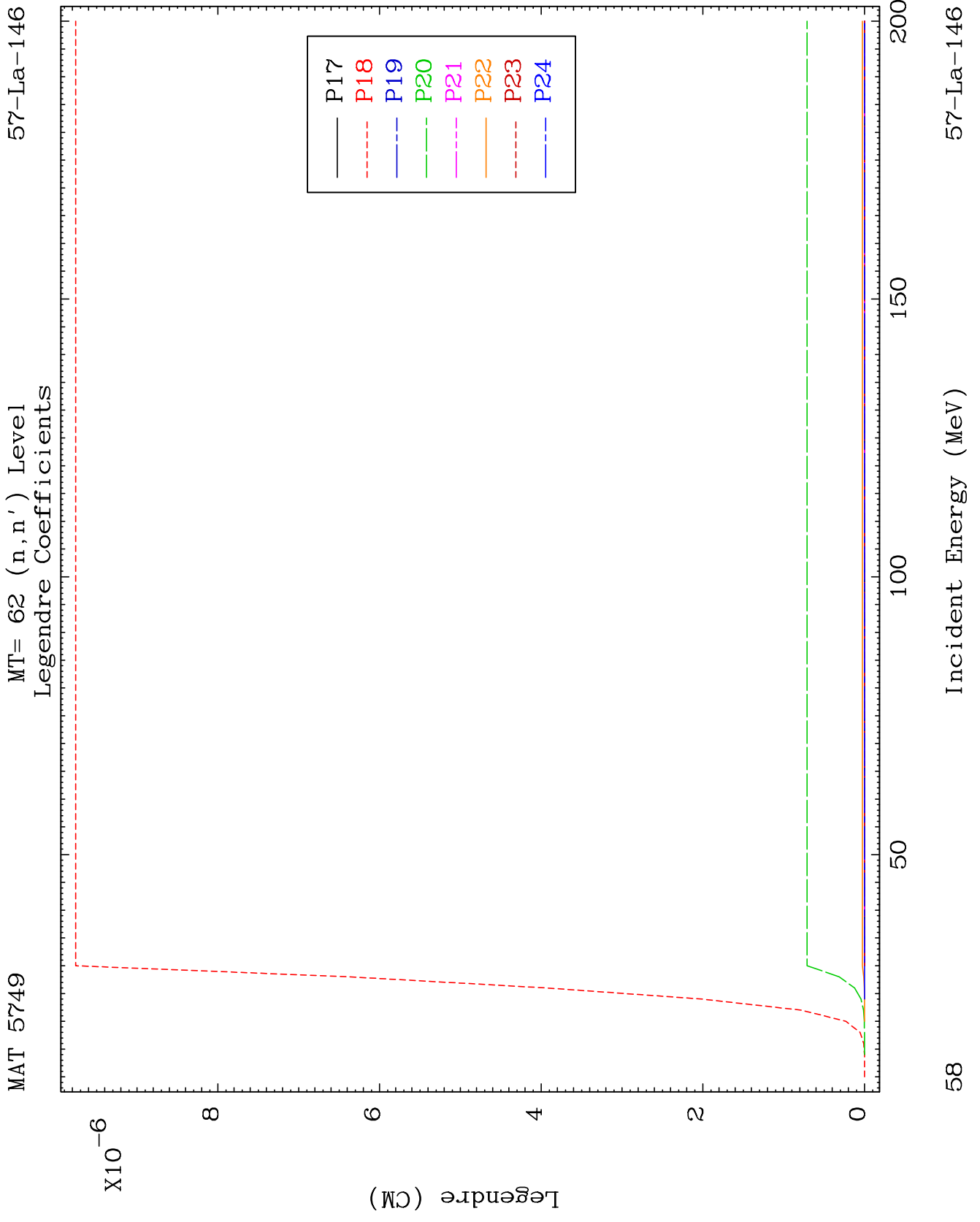
57-La-146



57-La-146

Incident Energy (MeV)

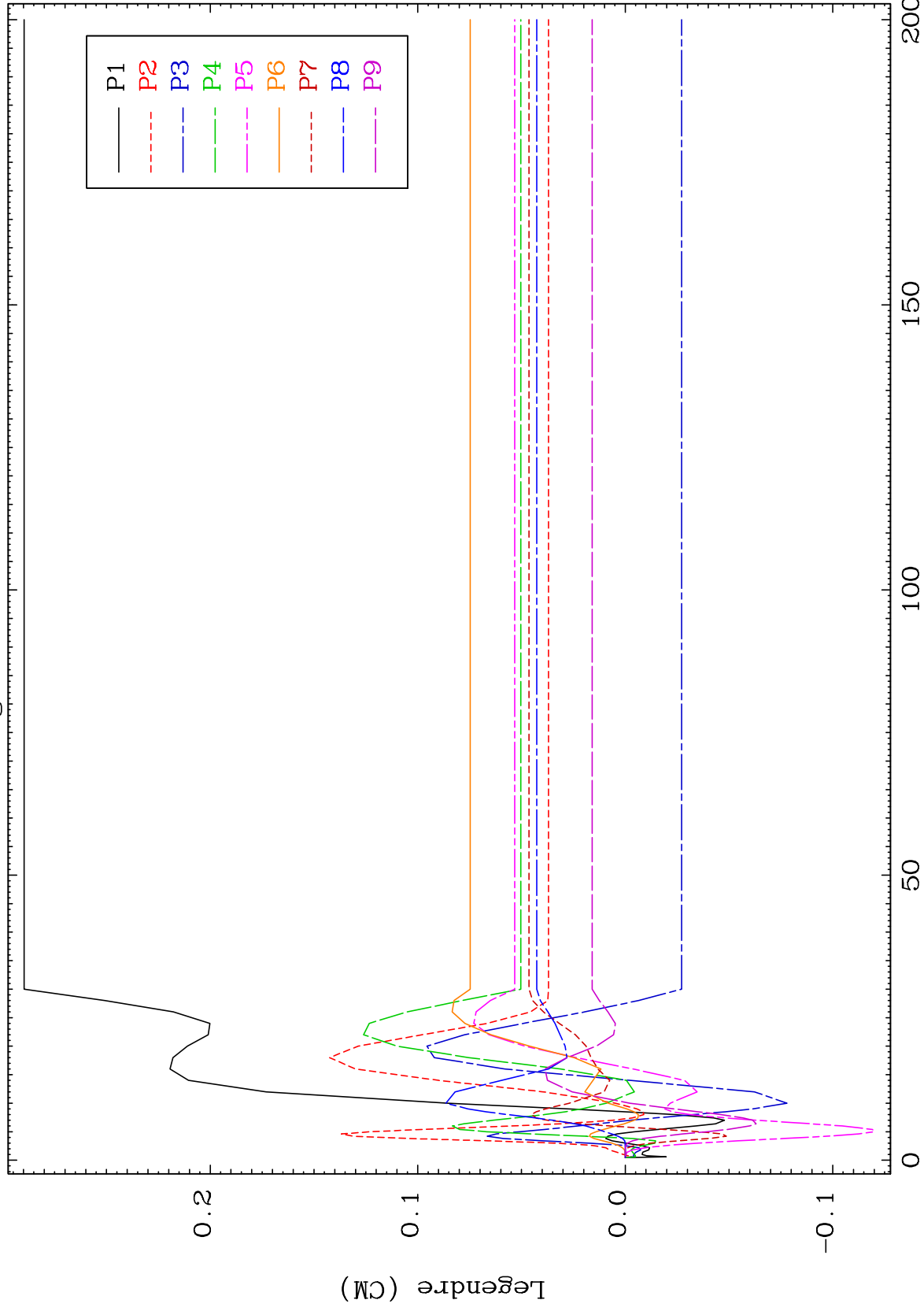
57



MAT 5749

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

57-La-146



59

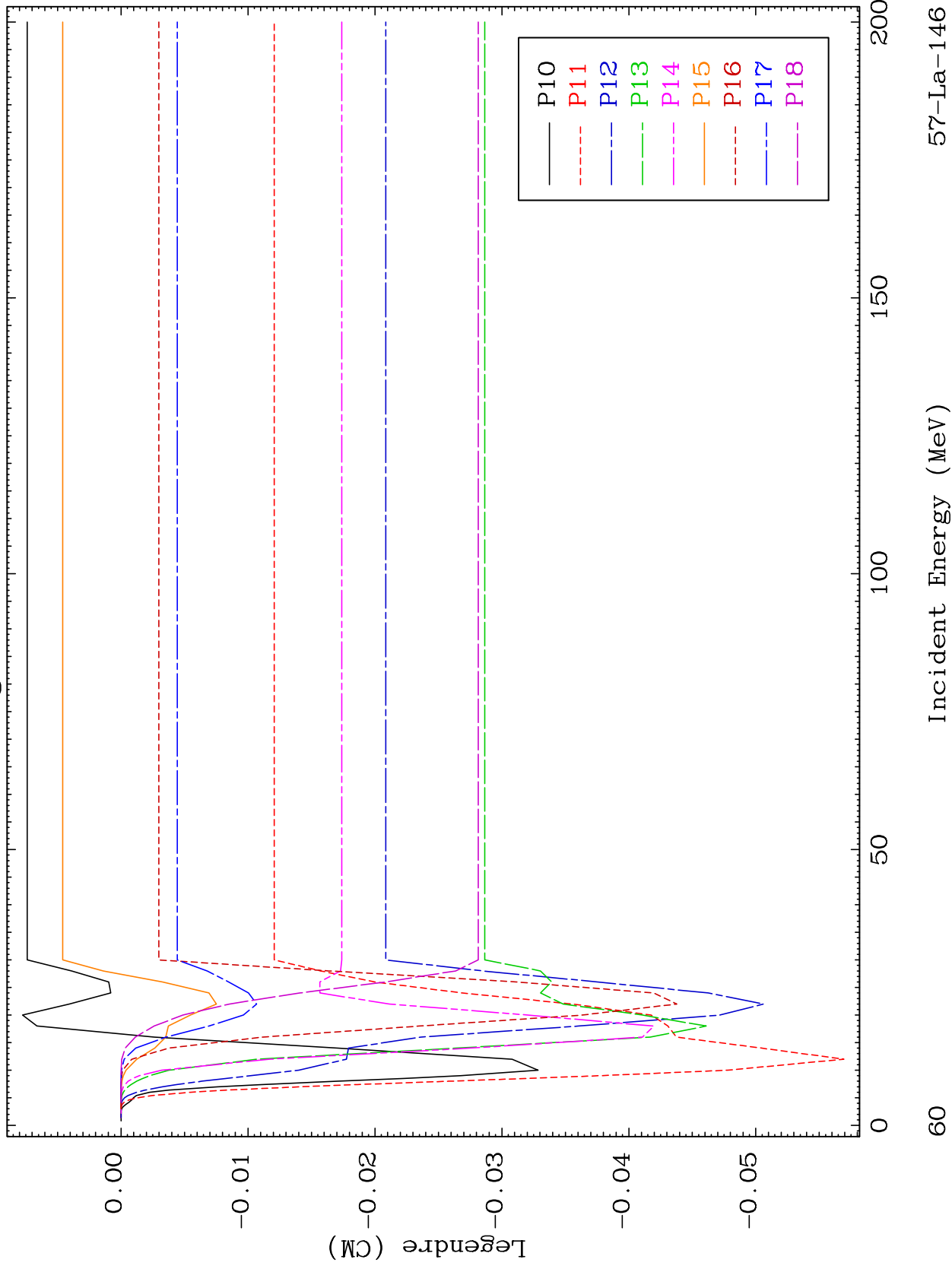
Incident Energy (MeV)

57-La-146

MAT 5749

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

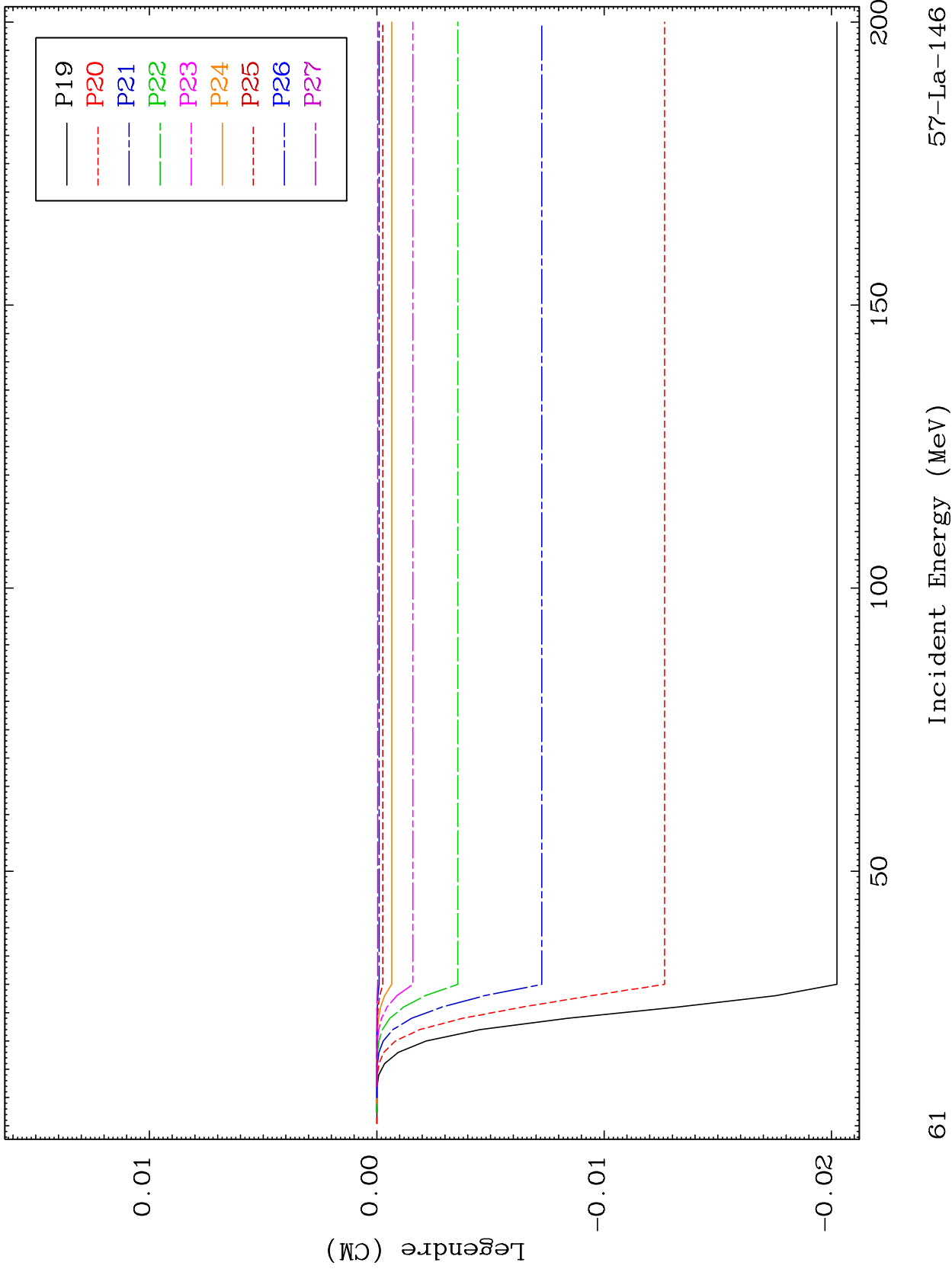
57-La-146



MAT 5749

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

57-La-146



61

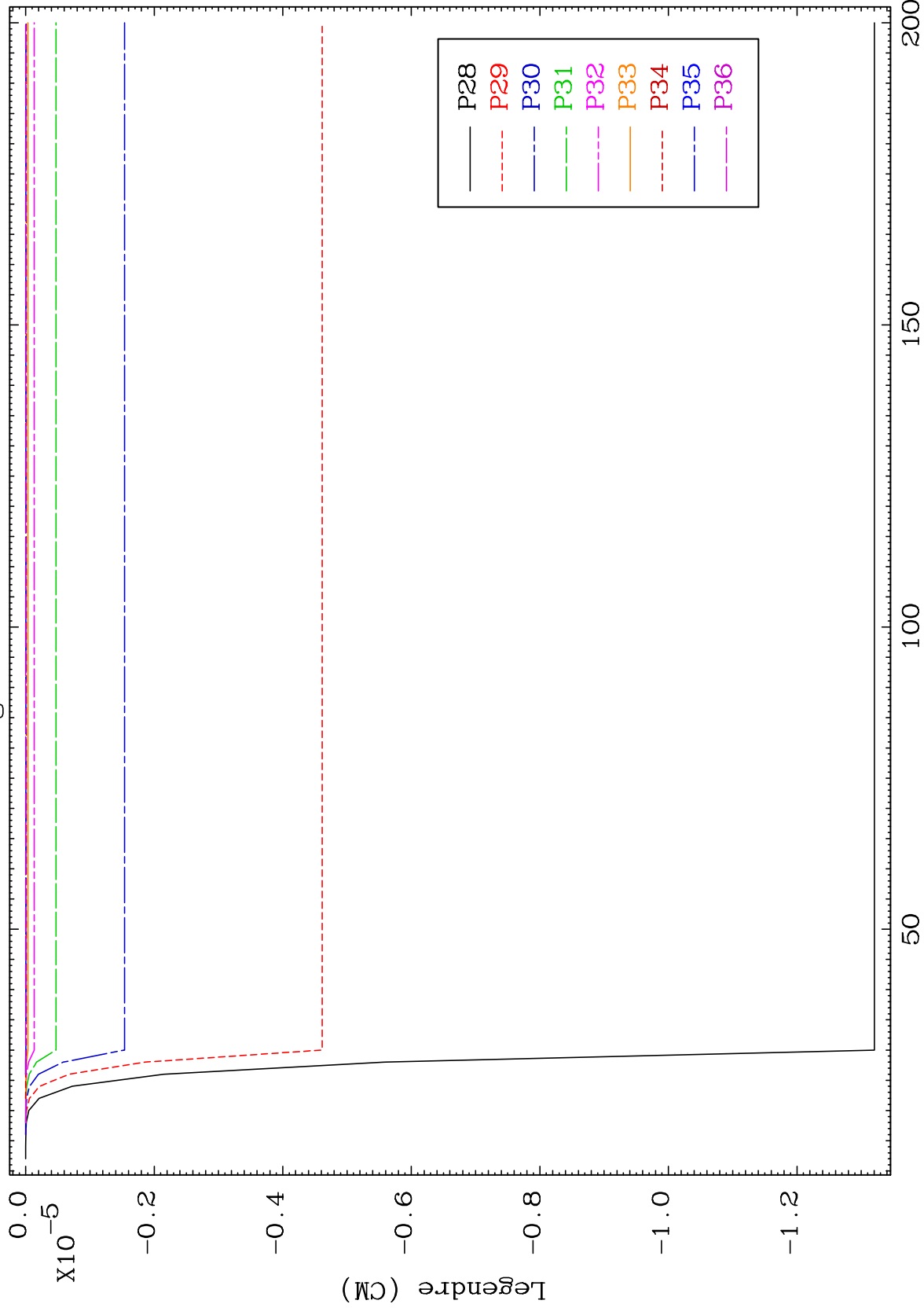
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



62

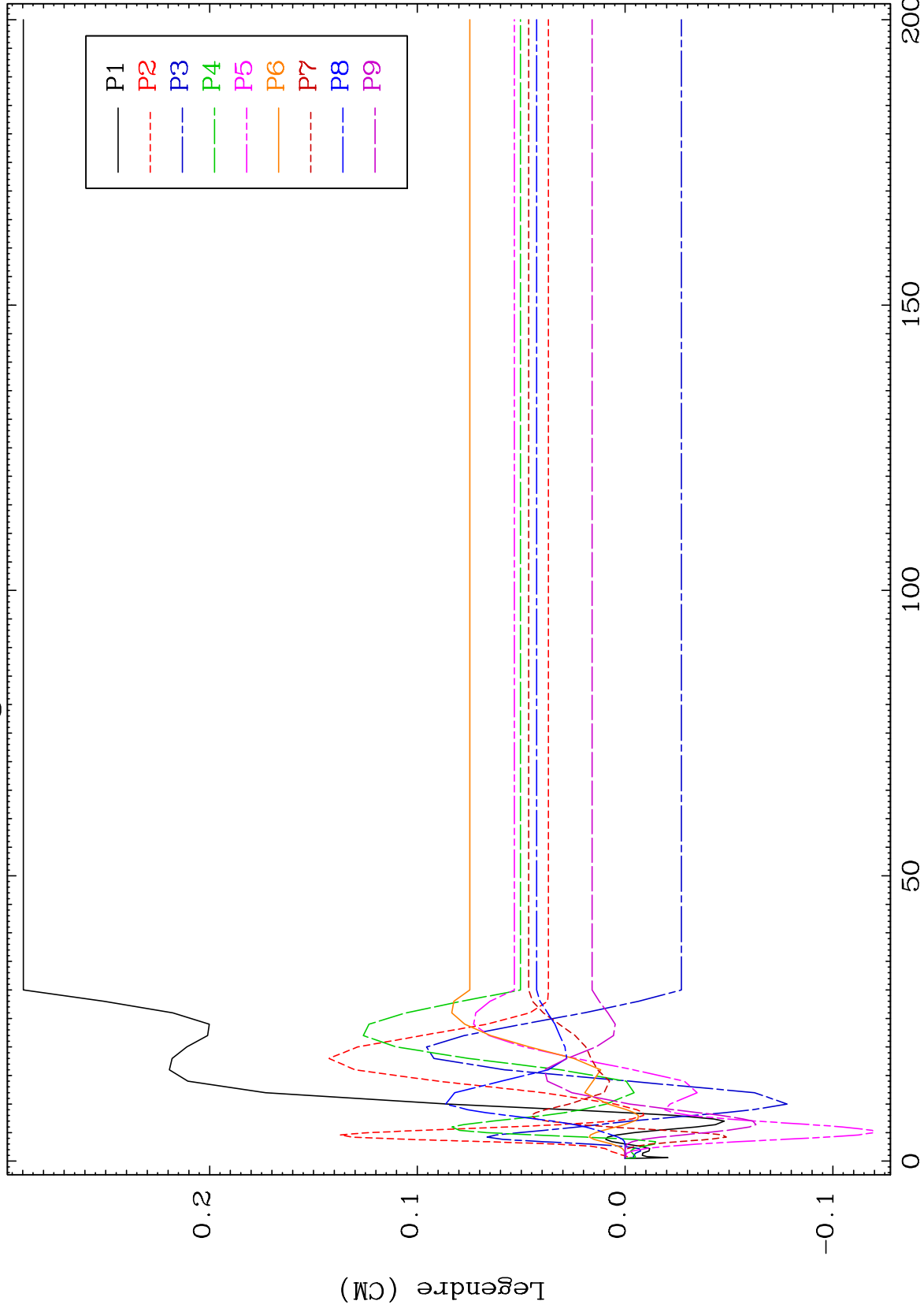
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



63

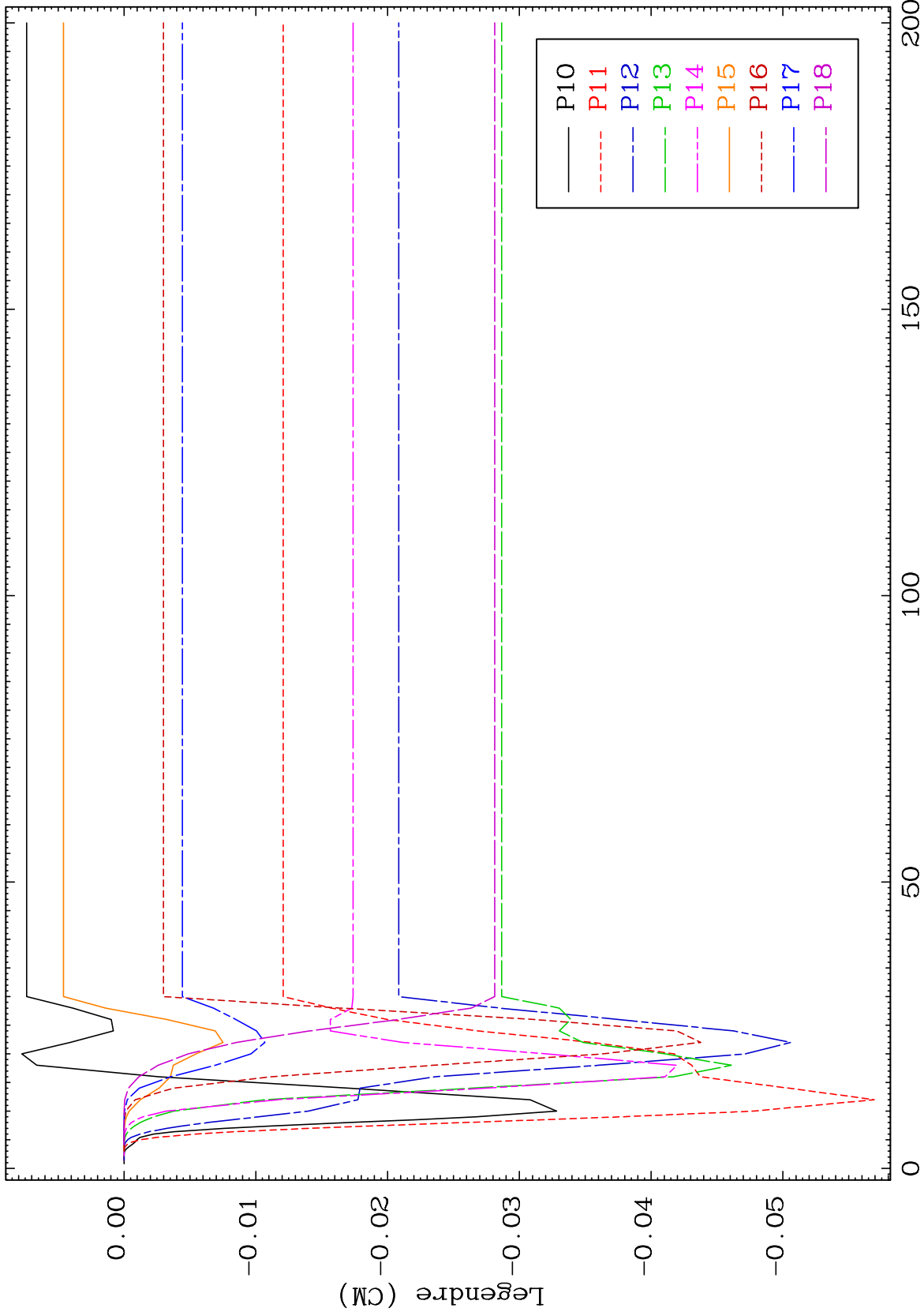
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



64

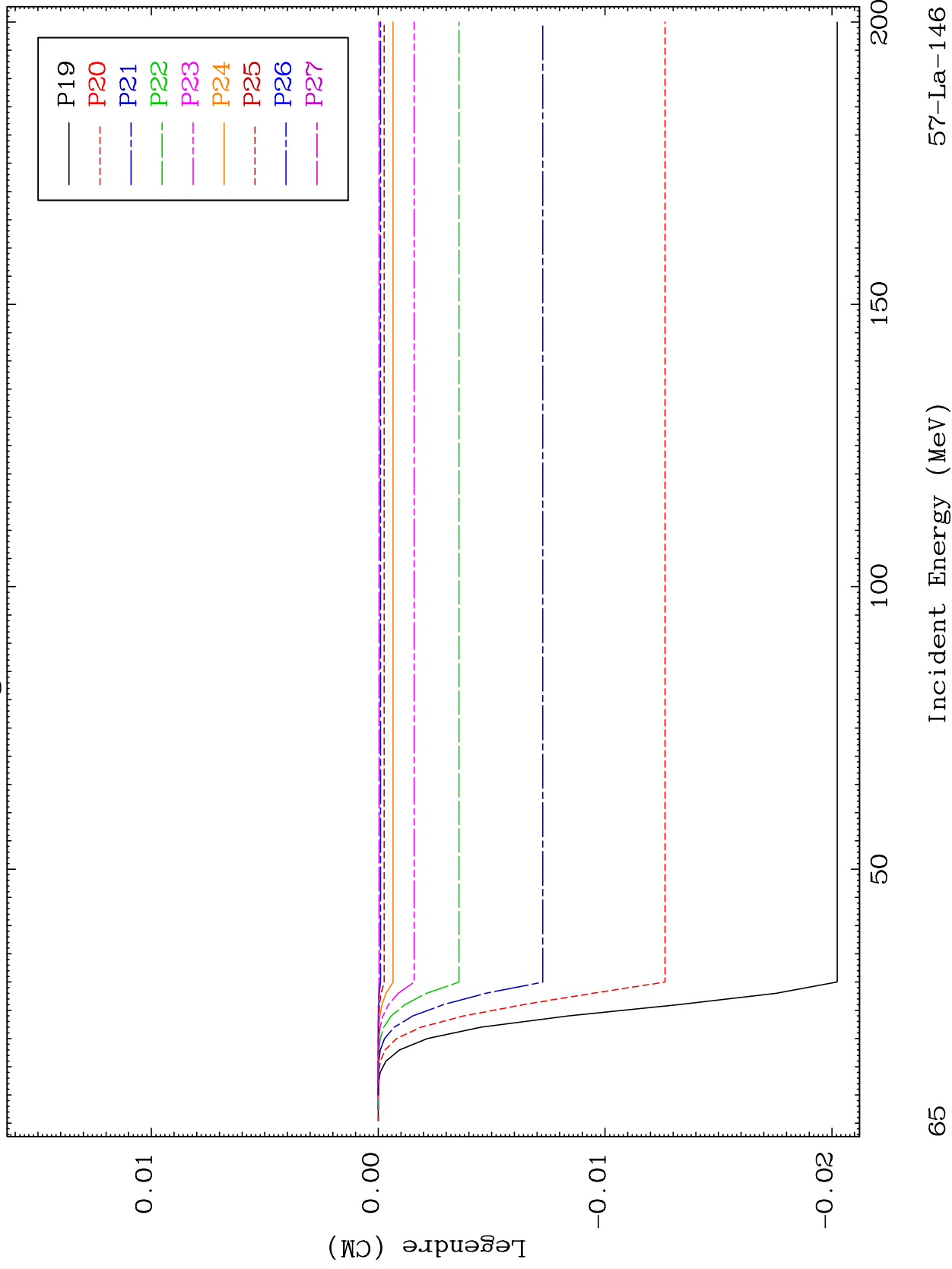
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



65

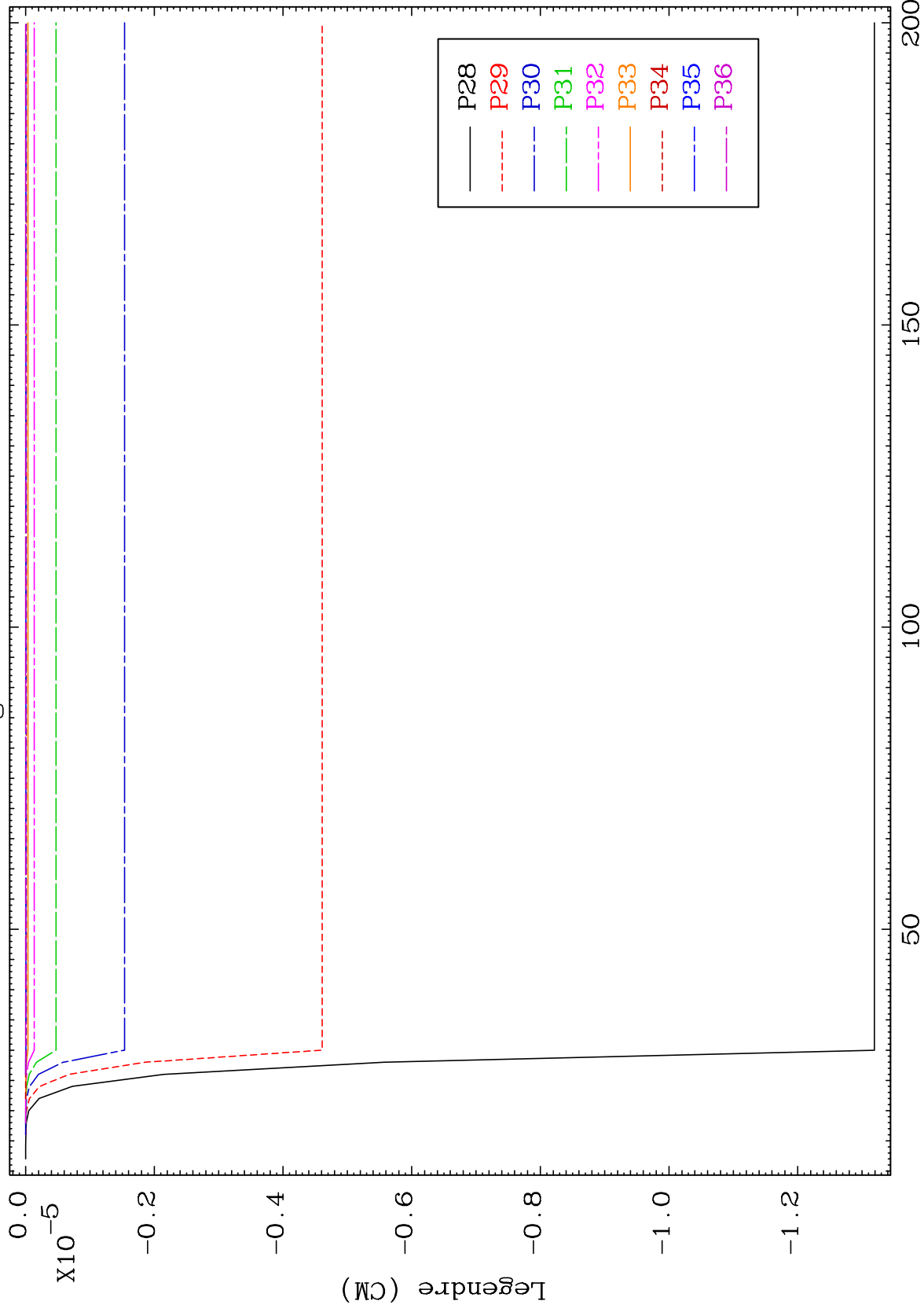
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



66

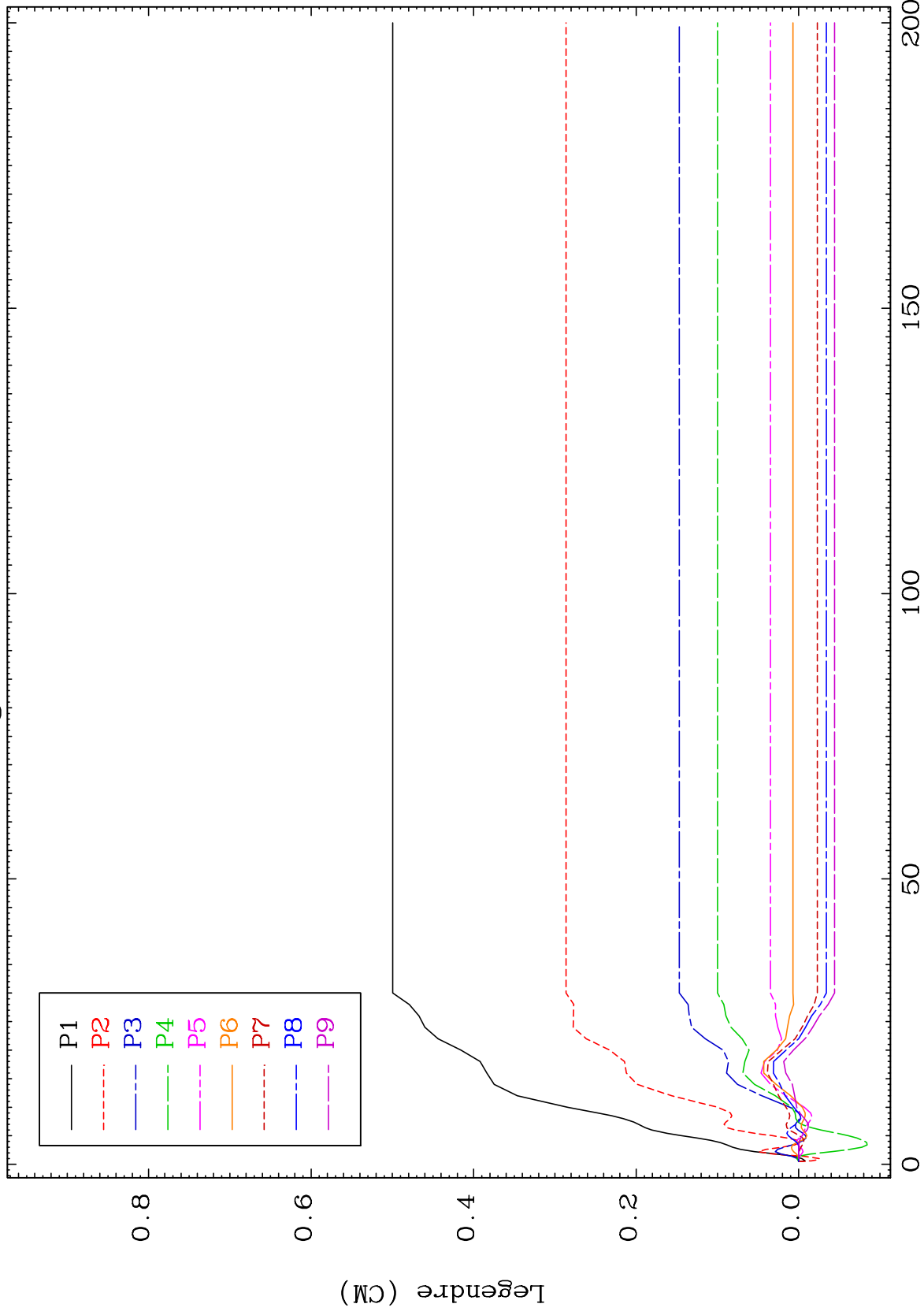
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



67

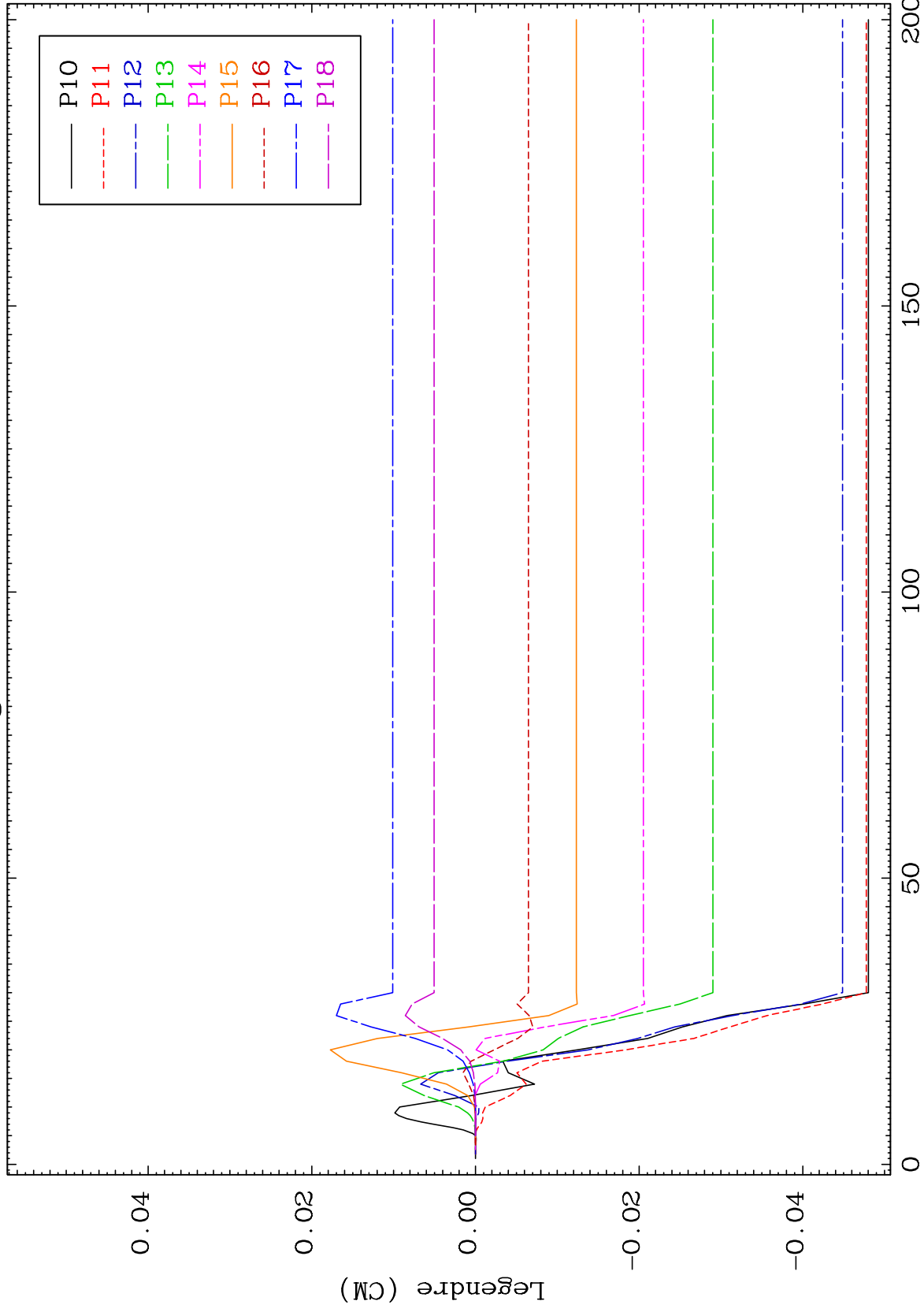
Incident Energy (MeV)

57-La-146

MAT 5749

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

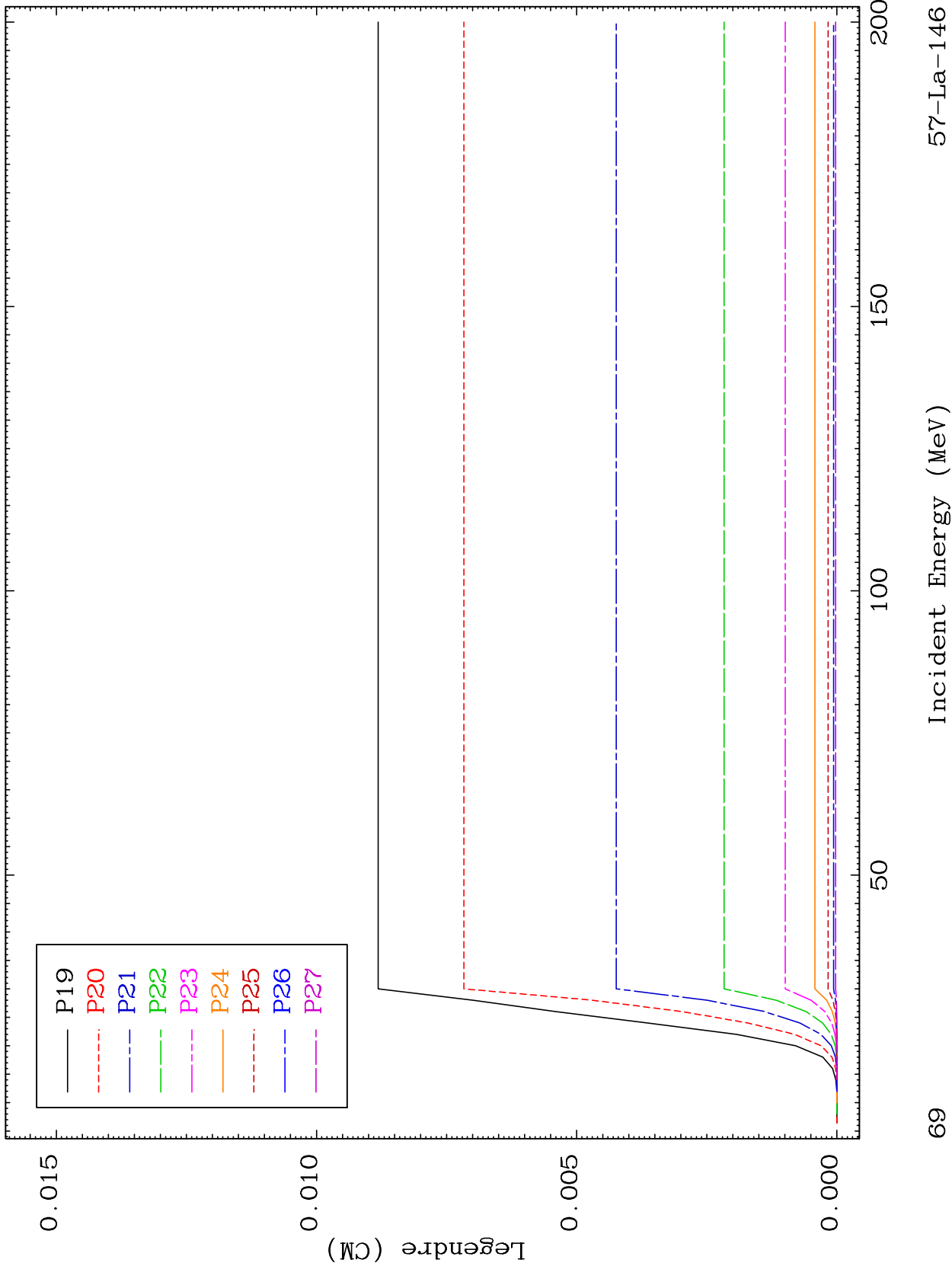
57-La-146



68

Incident Energy (MeV)

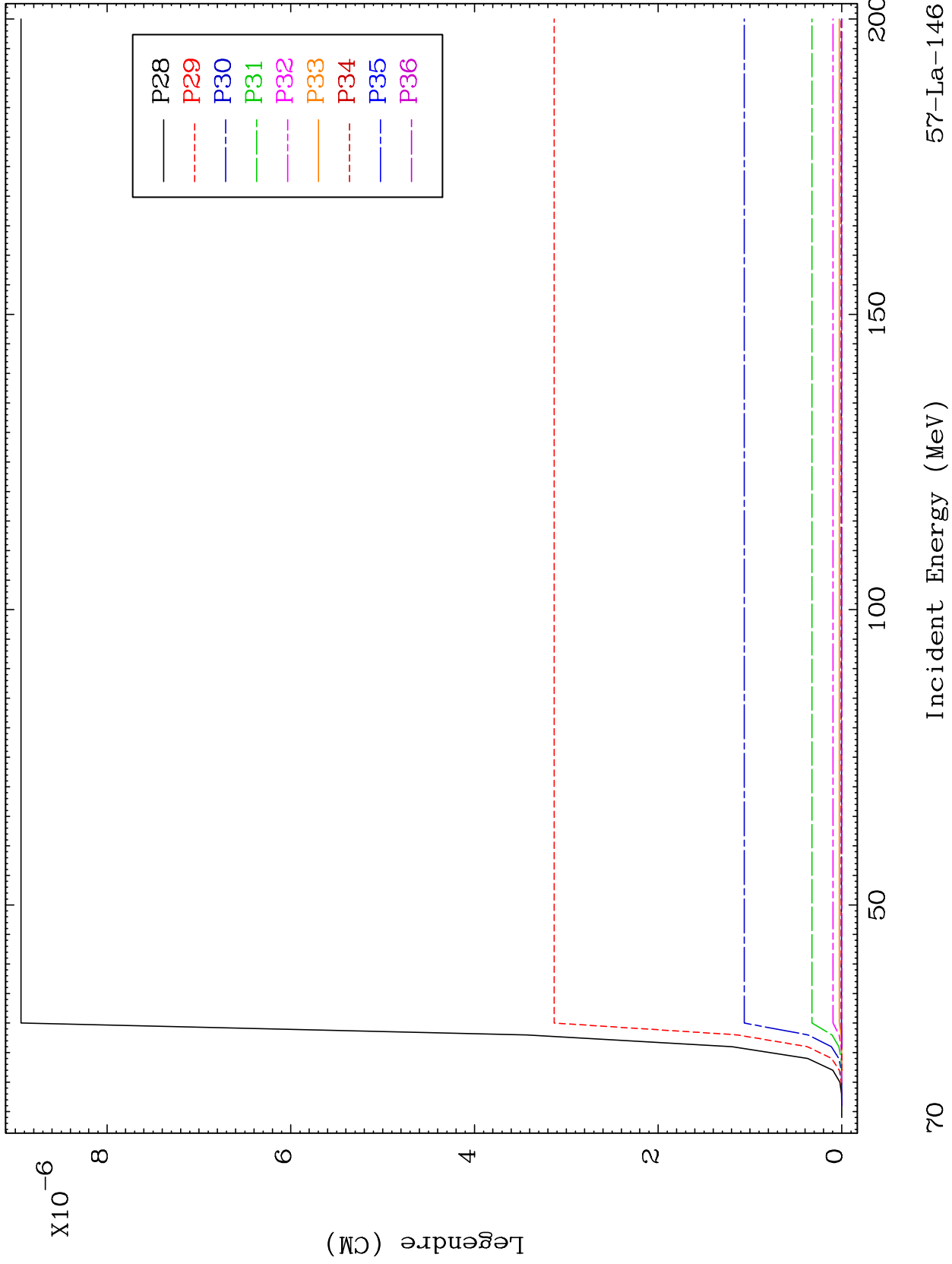
57-La-146



MAT 5749

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

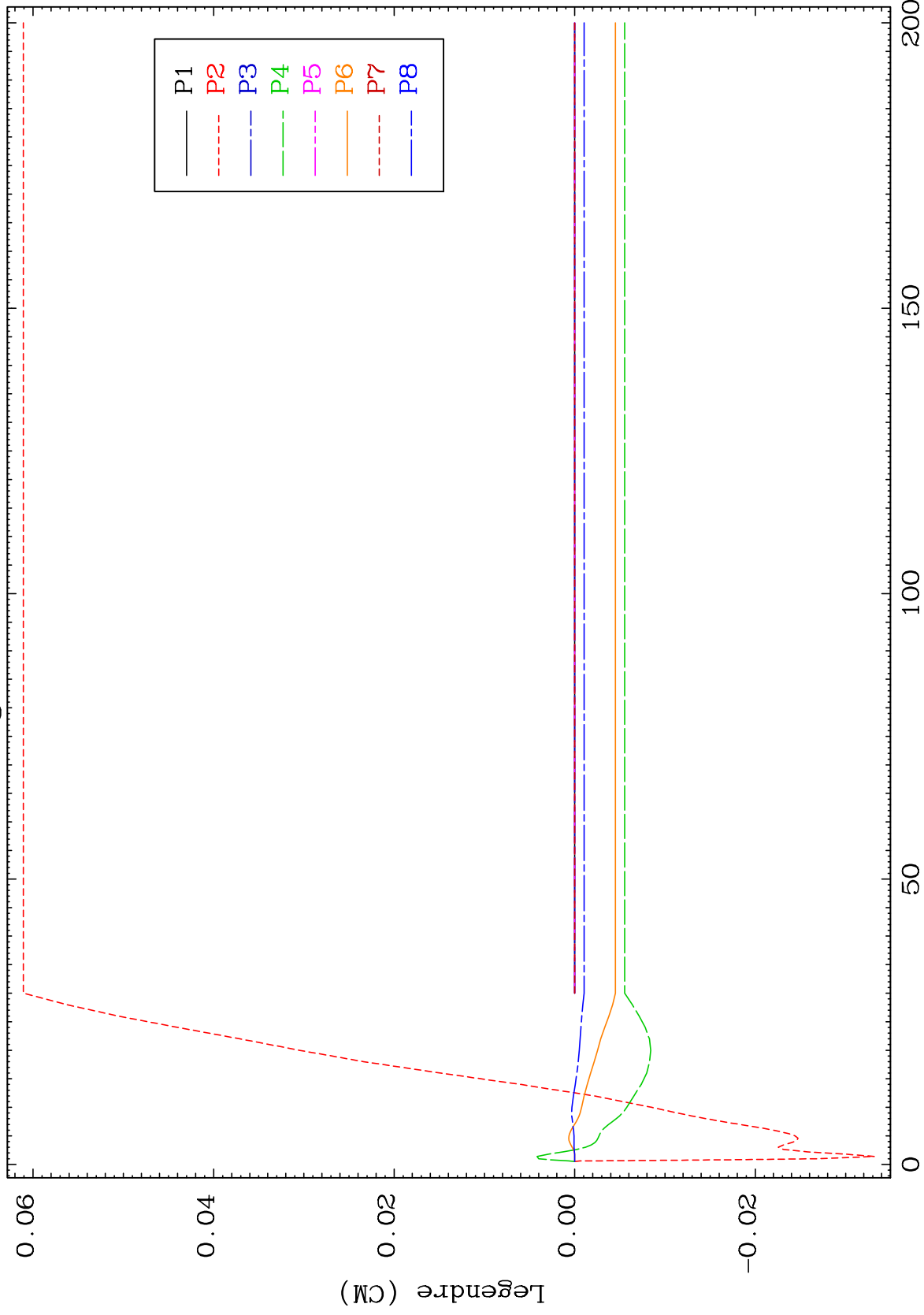
57-La-146



MAT 5749

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

57-La-146



71

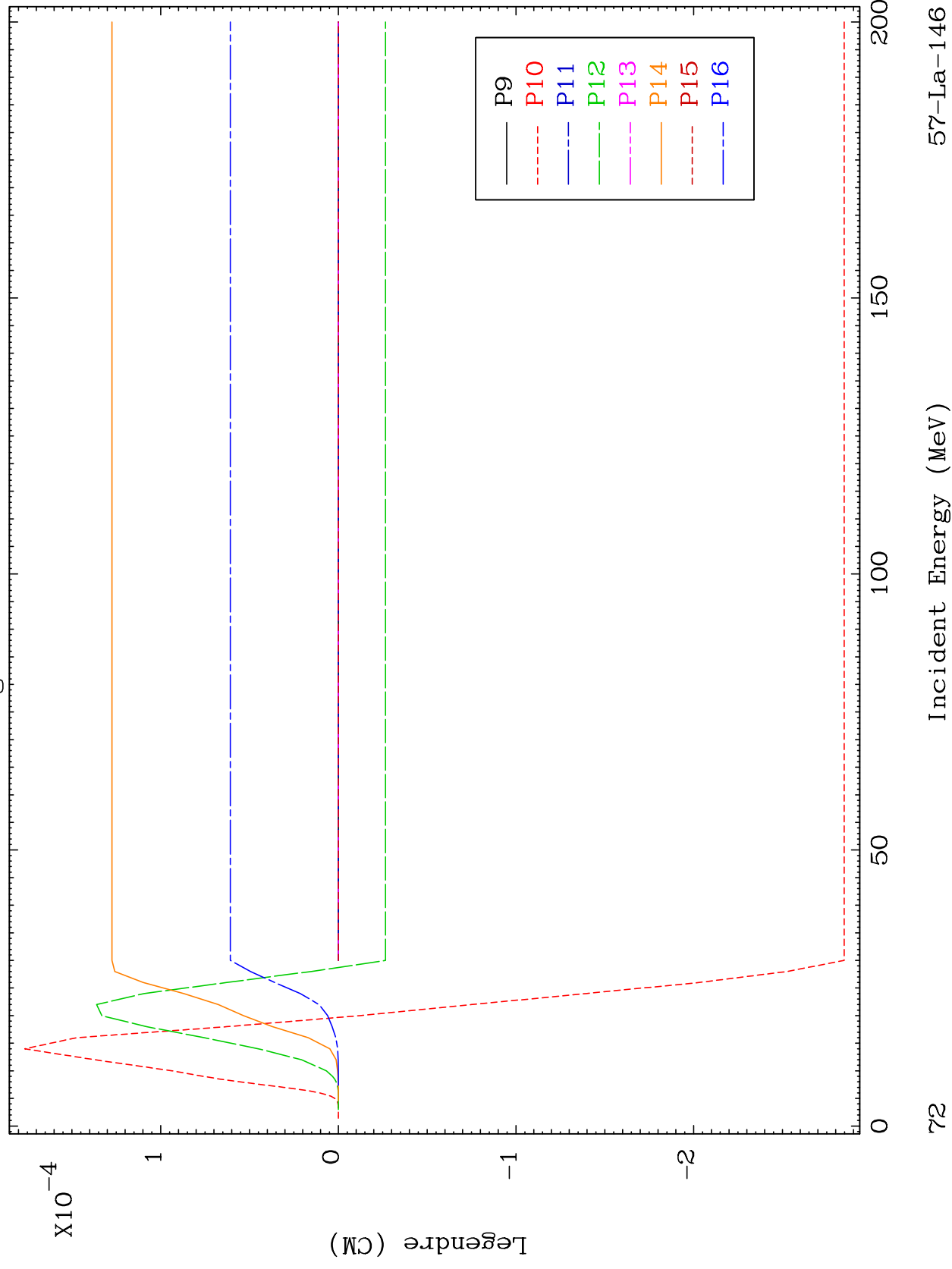
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



72

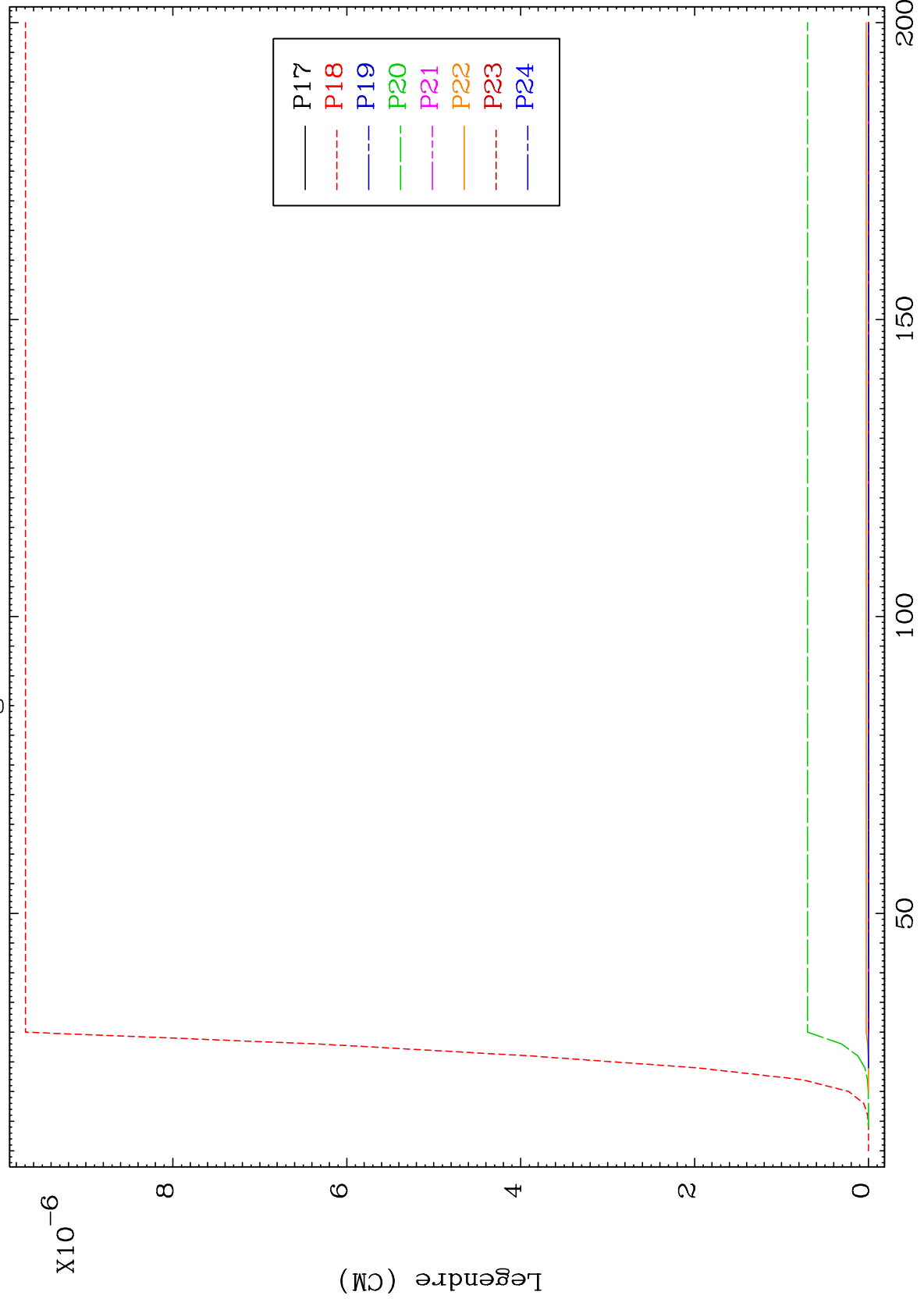
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



57-La-146

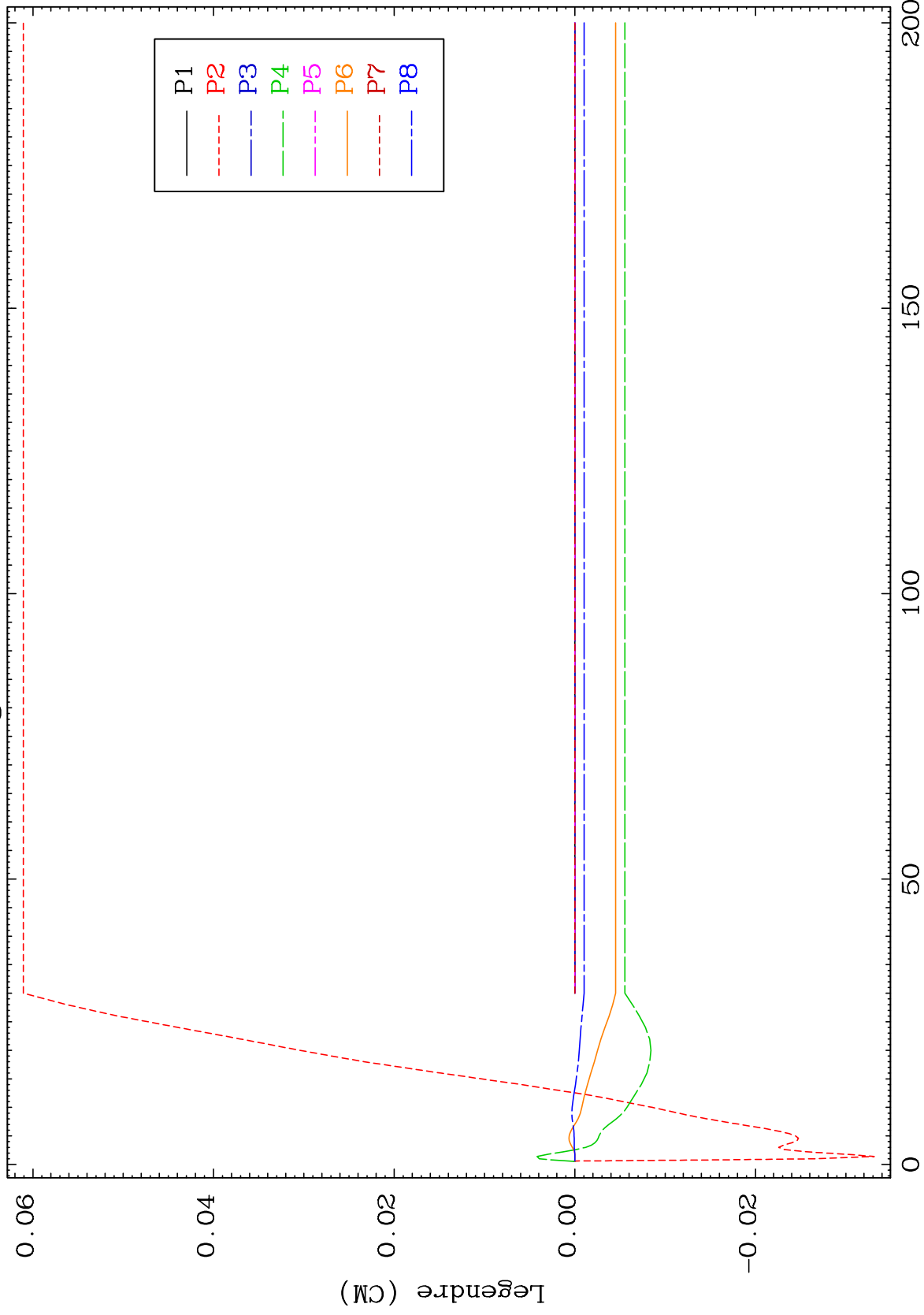
Incident Energy (MeV)

73

MAT 5749

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

57-La-146



74

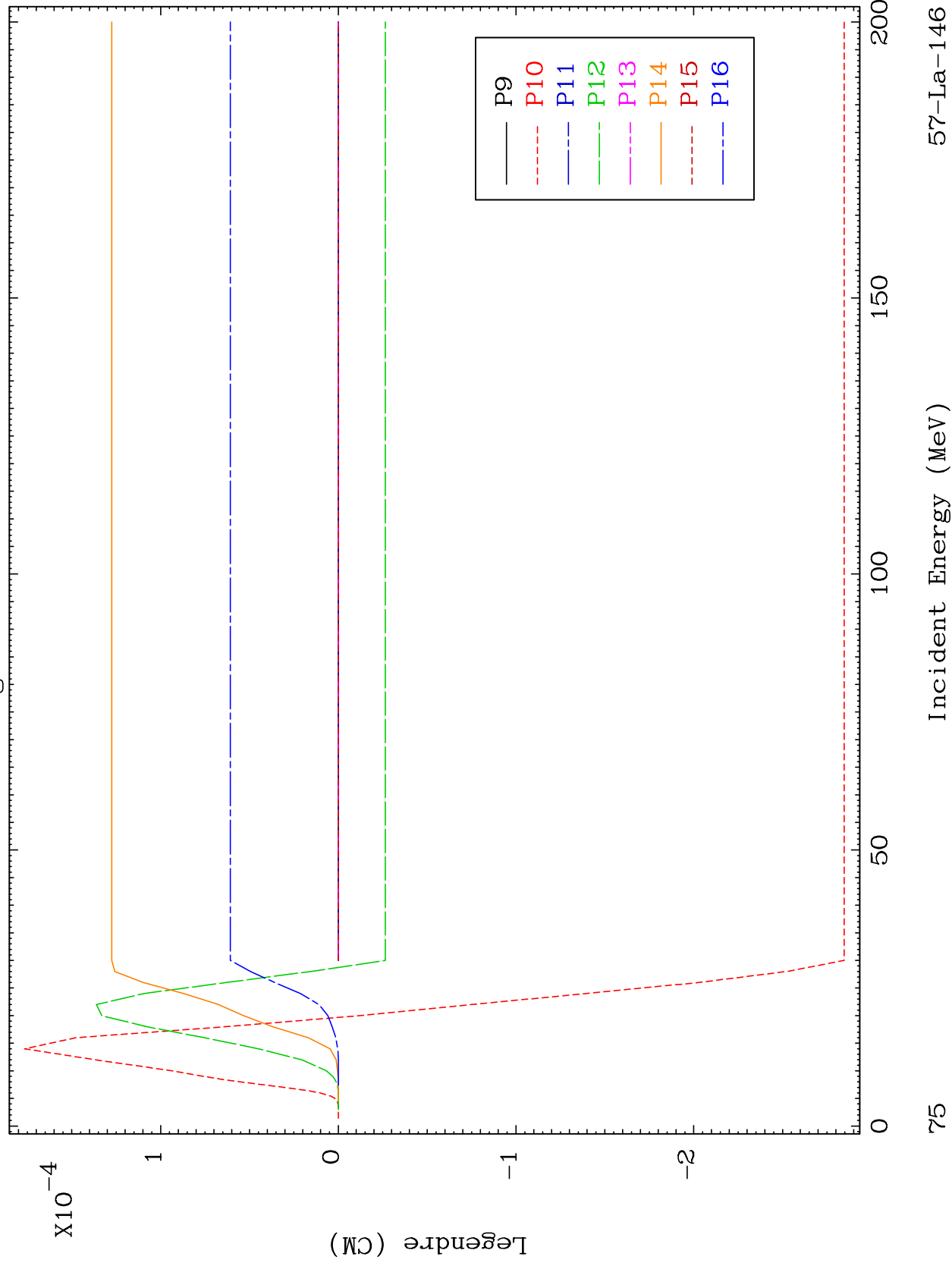
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



57-La-146

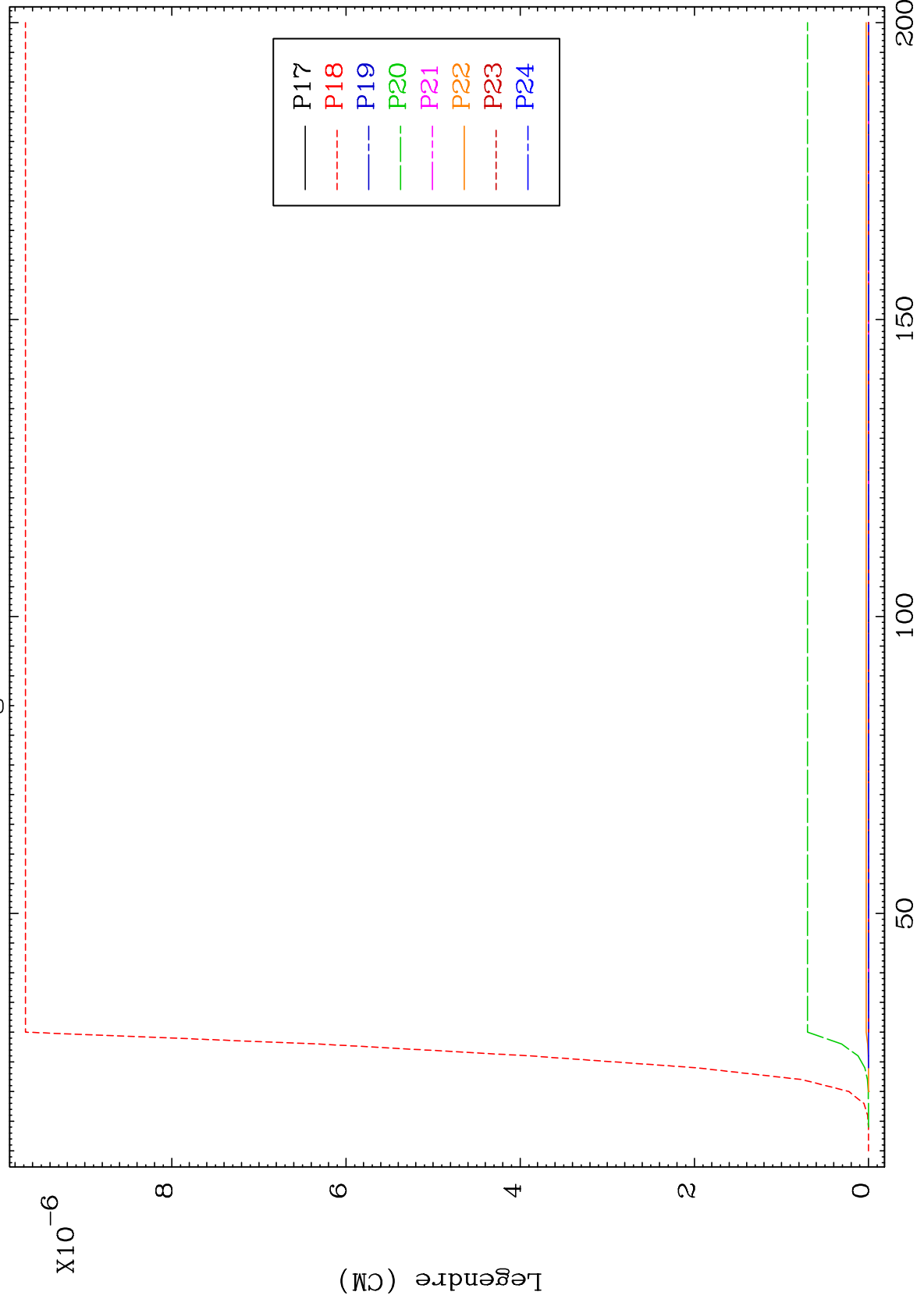
Incident Energy (MeV)

75

MAT 5749

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

57-La-146



57-La-146

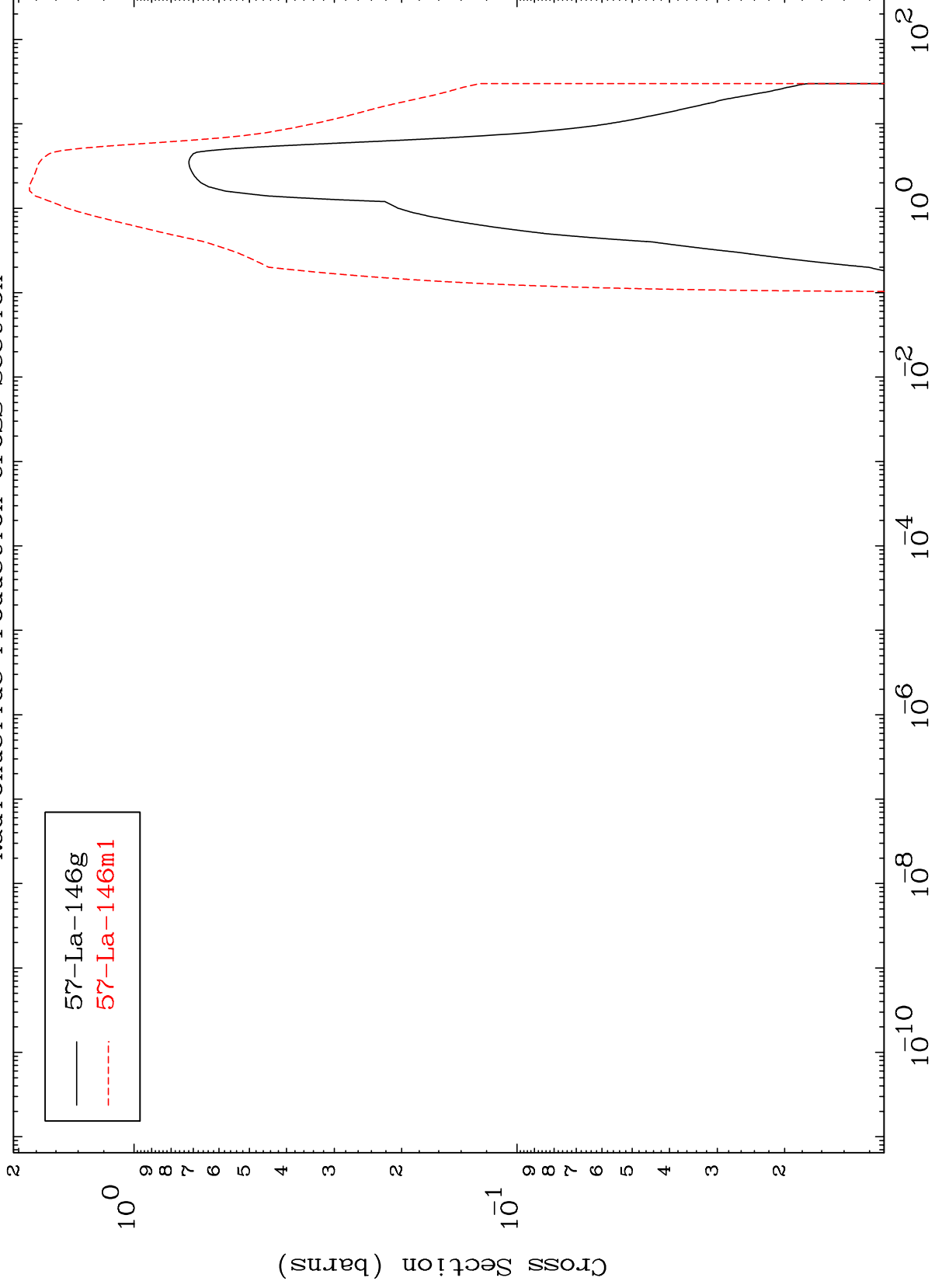
Incident Energy (MeV)

76

MAT 5749

Inelastic
Radionuclide Production Cross Section

57-La-146



57-La-146g
57-La-146m1