

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

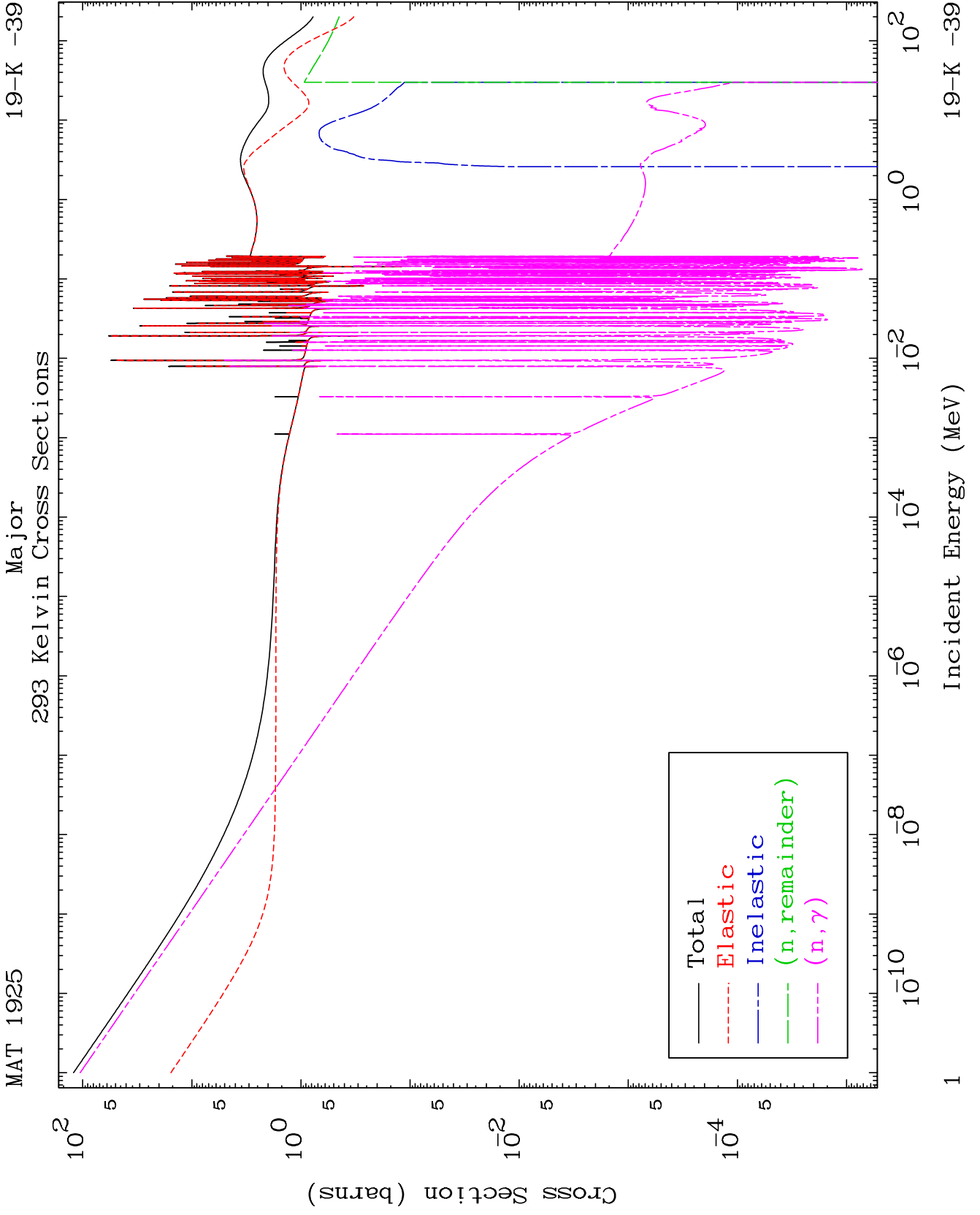
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

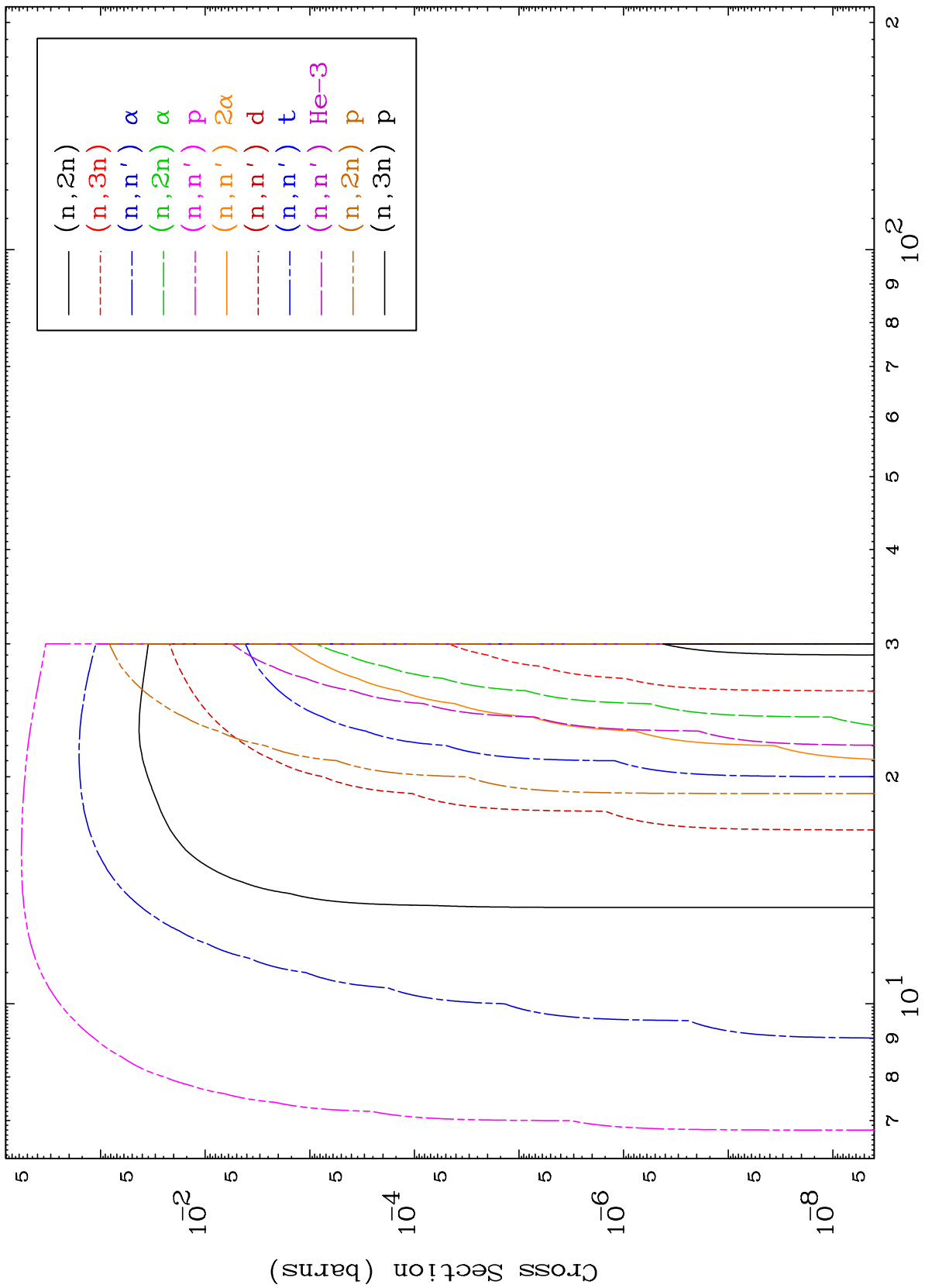
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

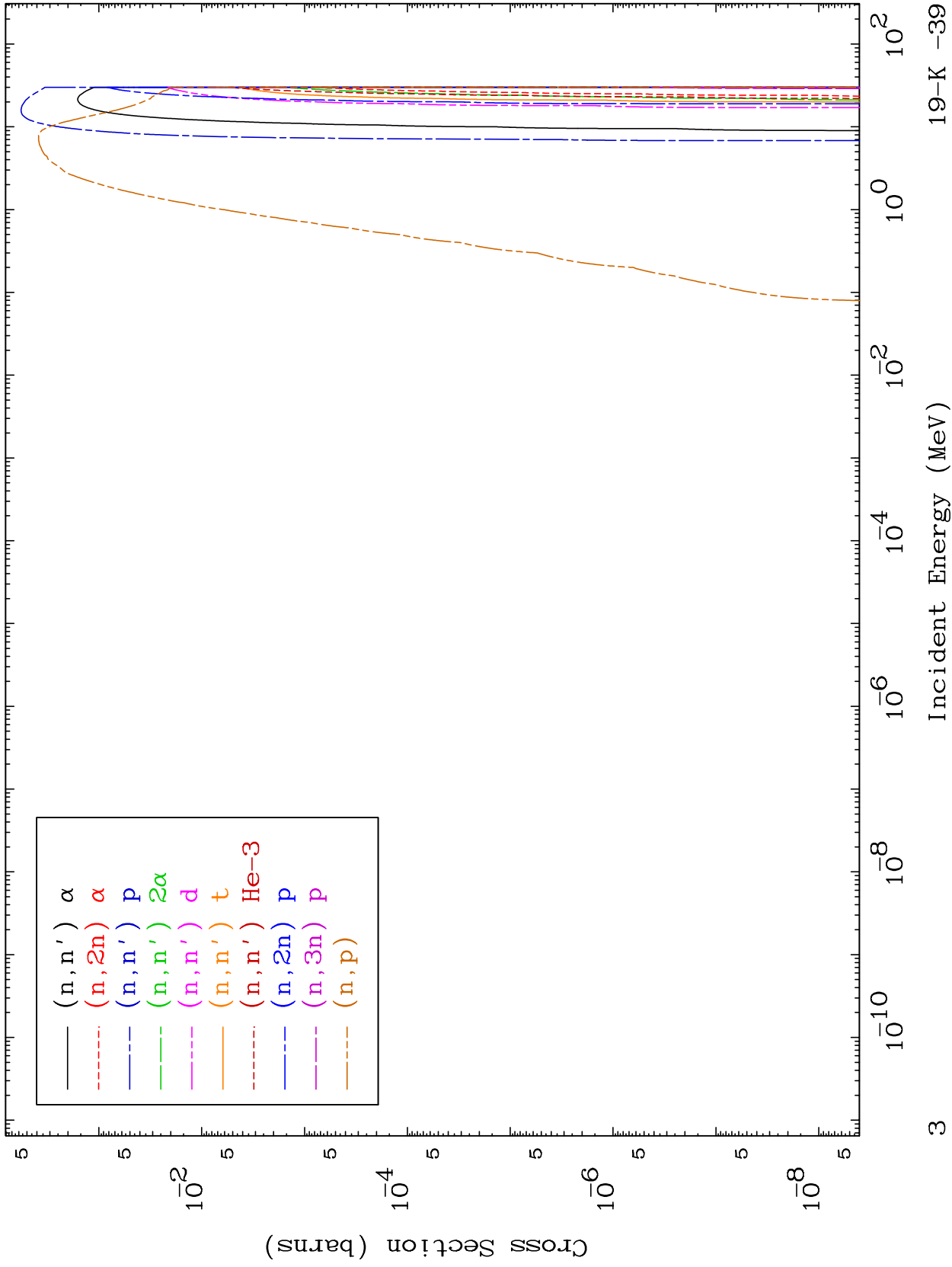




MAT 1925

Charged Particle
293 Kelvin Cross Sections

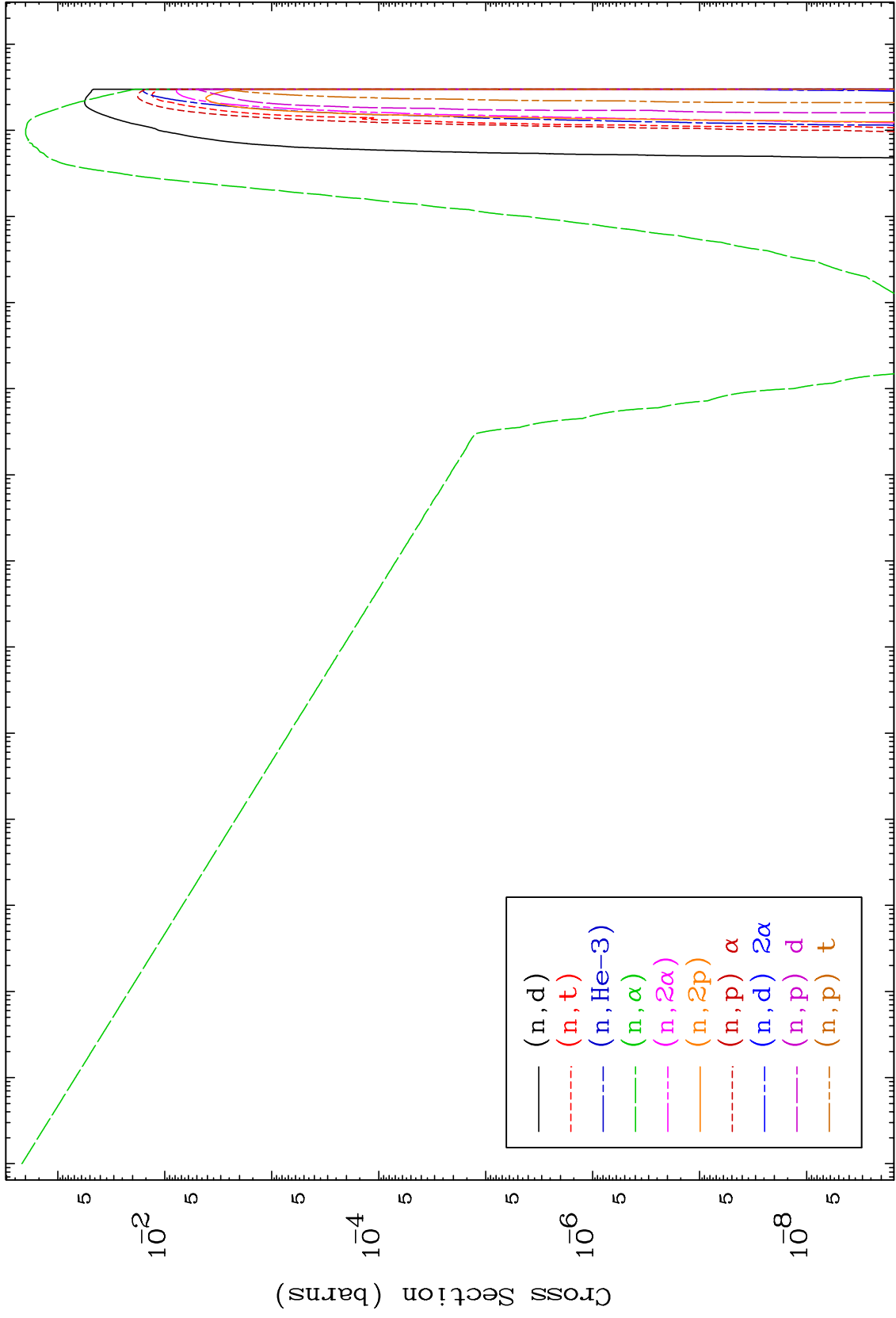
19-K -39



MAT 1925

Charged Particle
293 Kelvin Cross Sections

19-K -39



19-K -39

10⁰

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

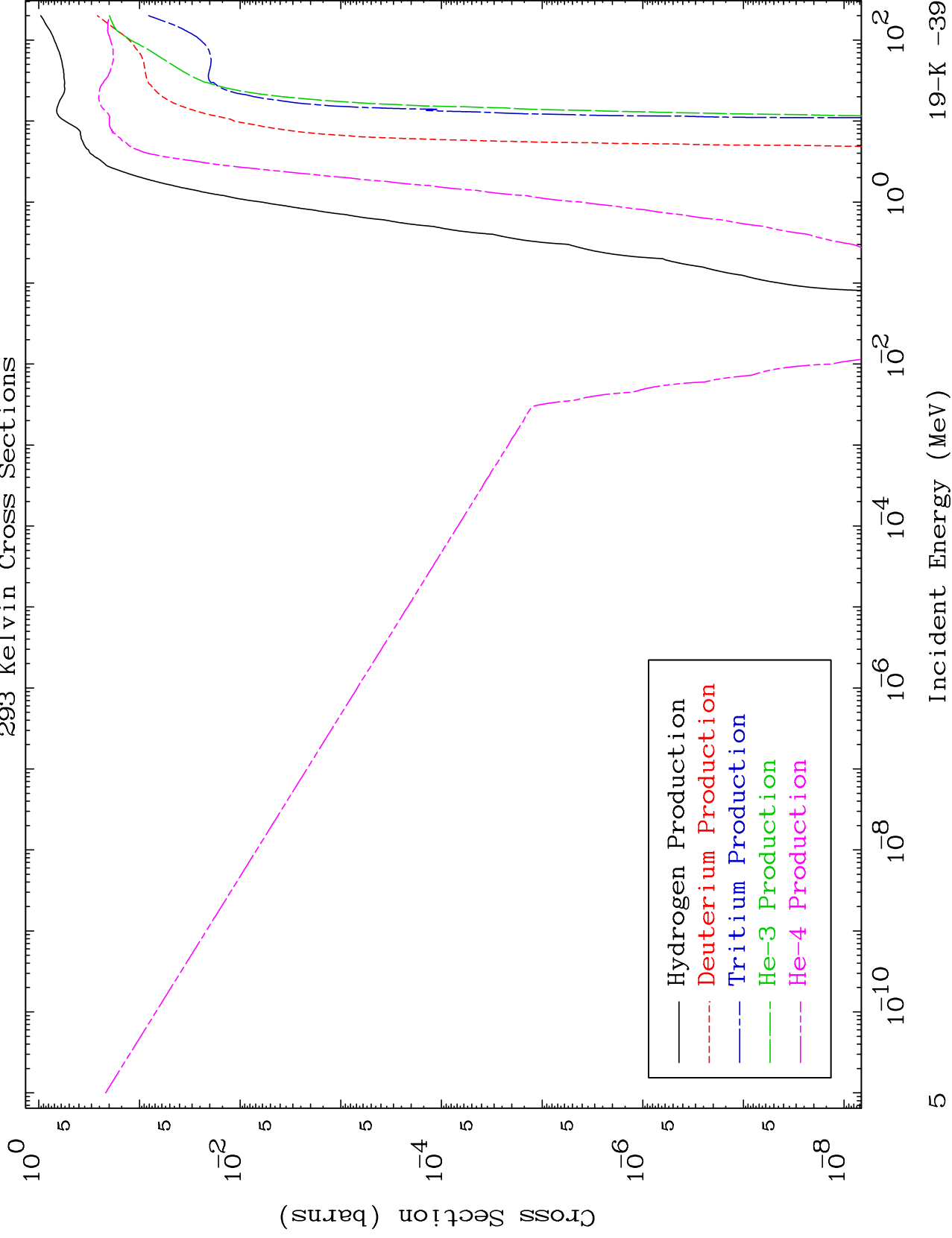
10²

Incident Energy (MeV)

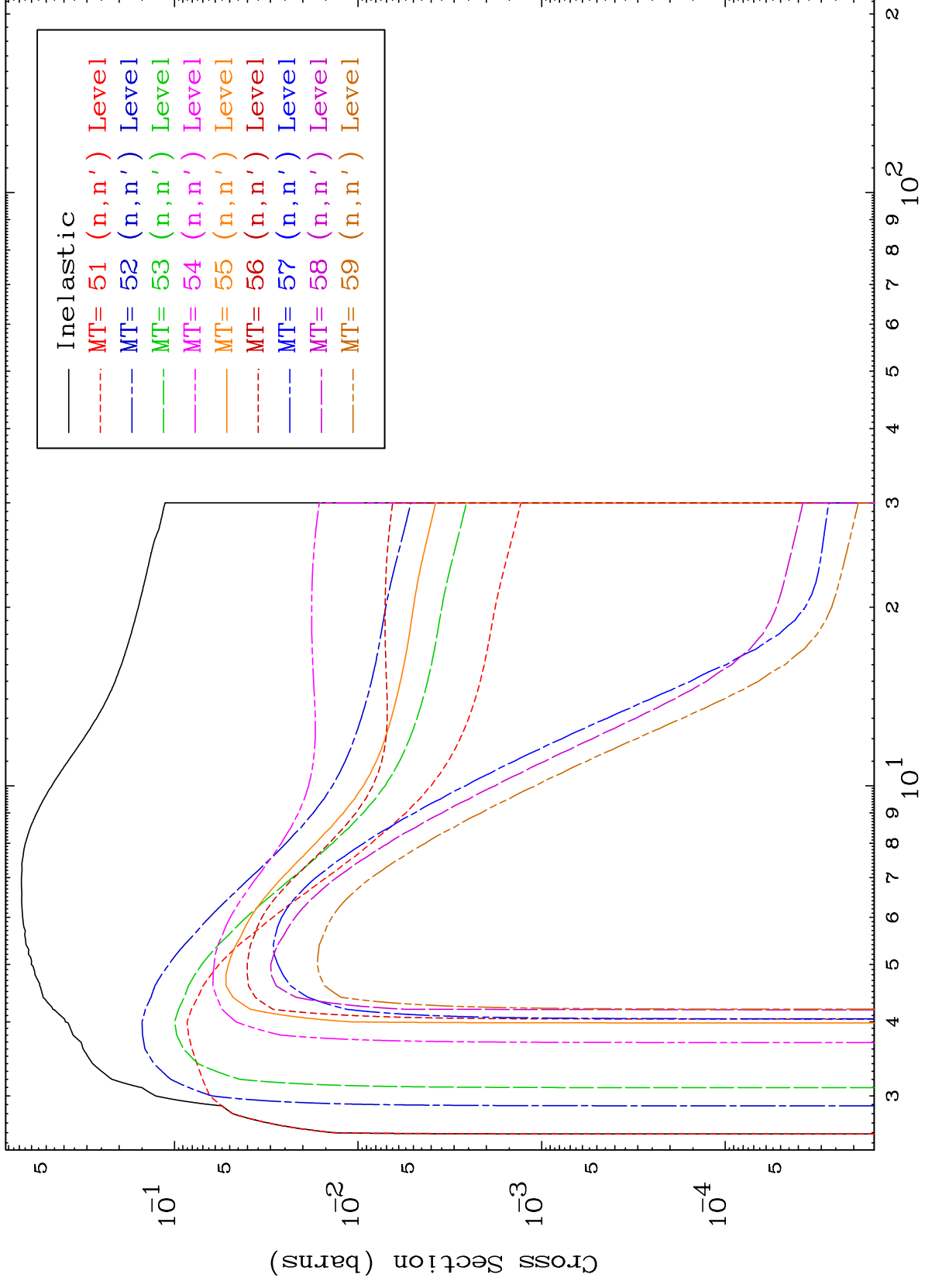
MAT 1925

Particle Production
293 Kelvin Cross Sections

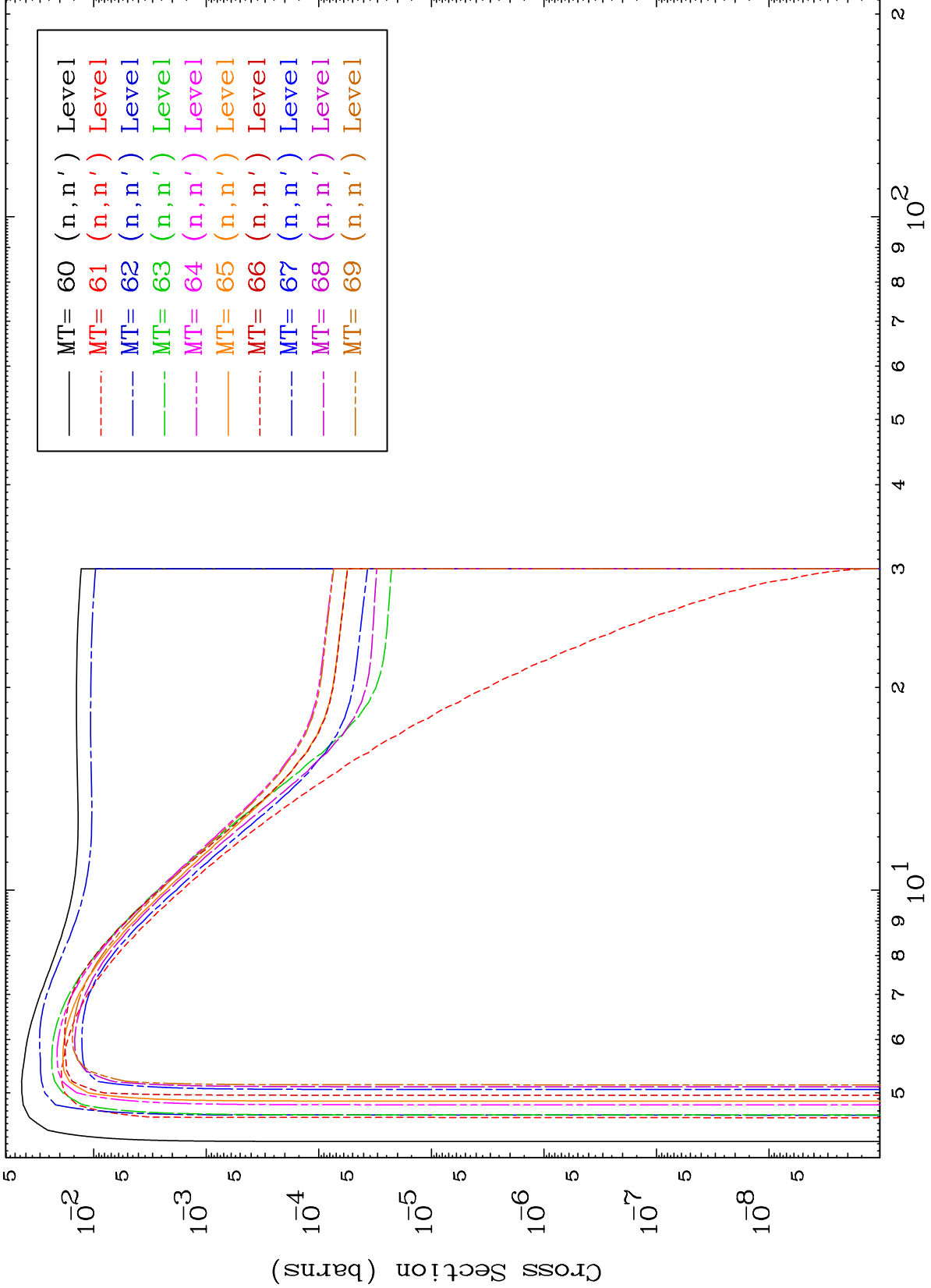
19-K -39

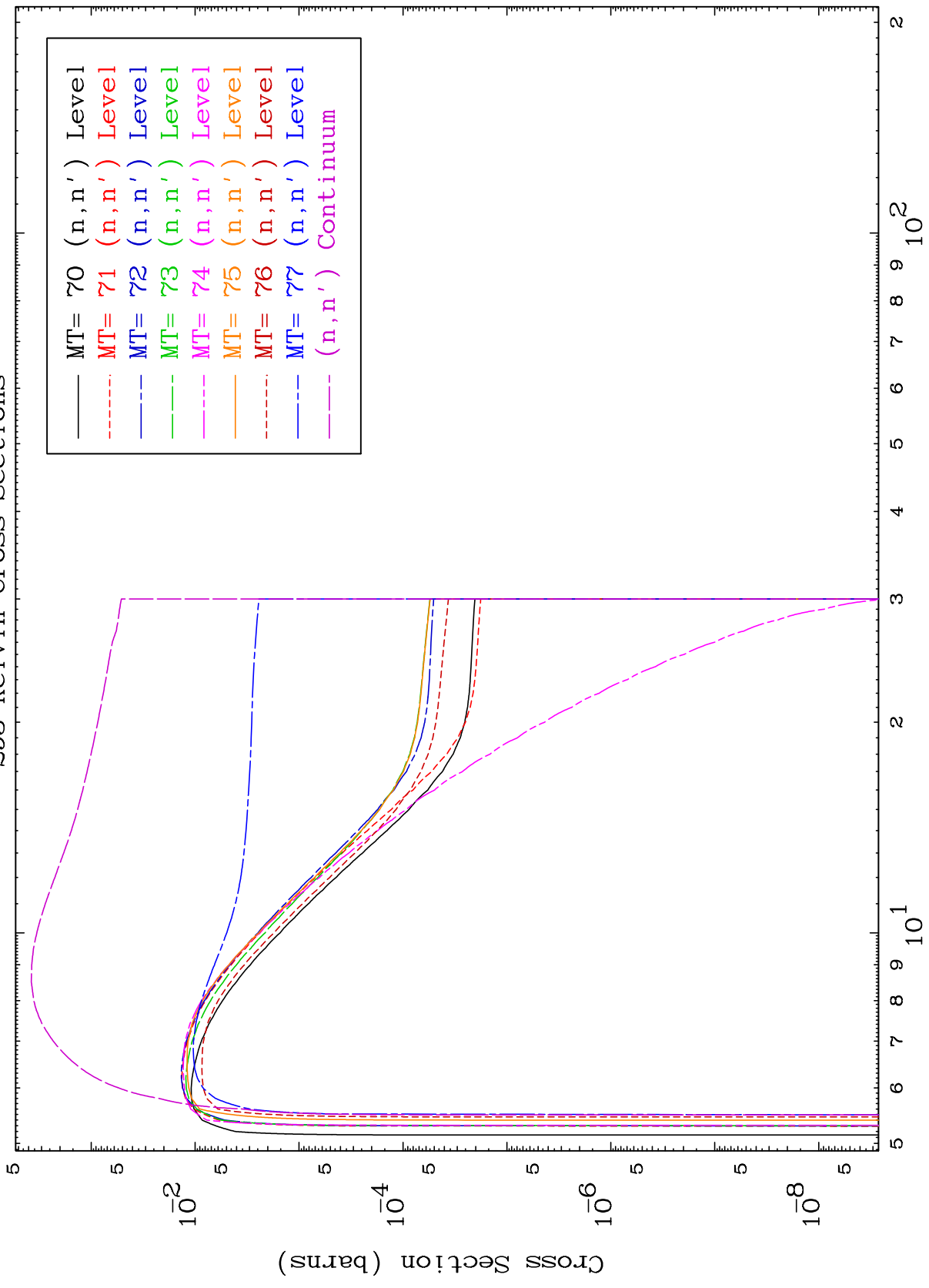


293 Kelvin Cross Sections



293 Kelvin Cross Sections

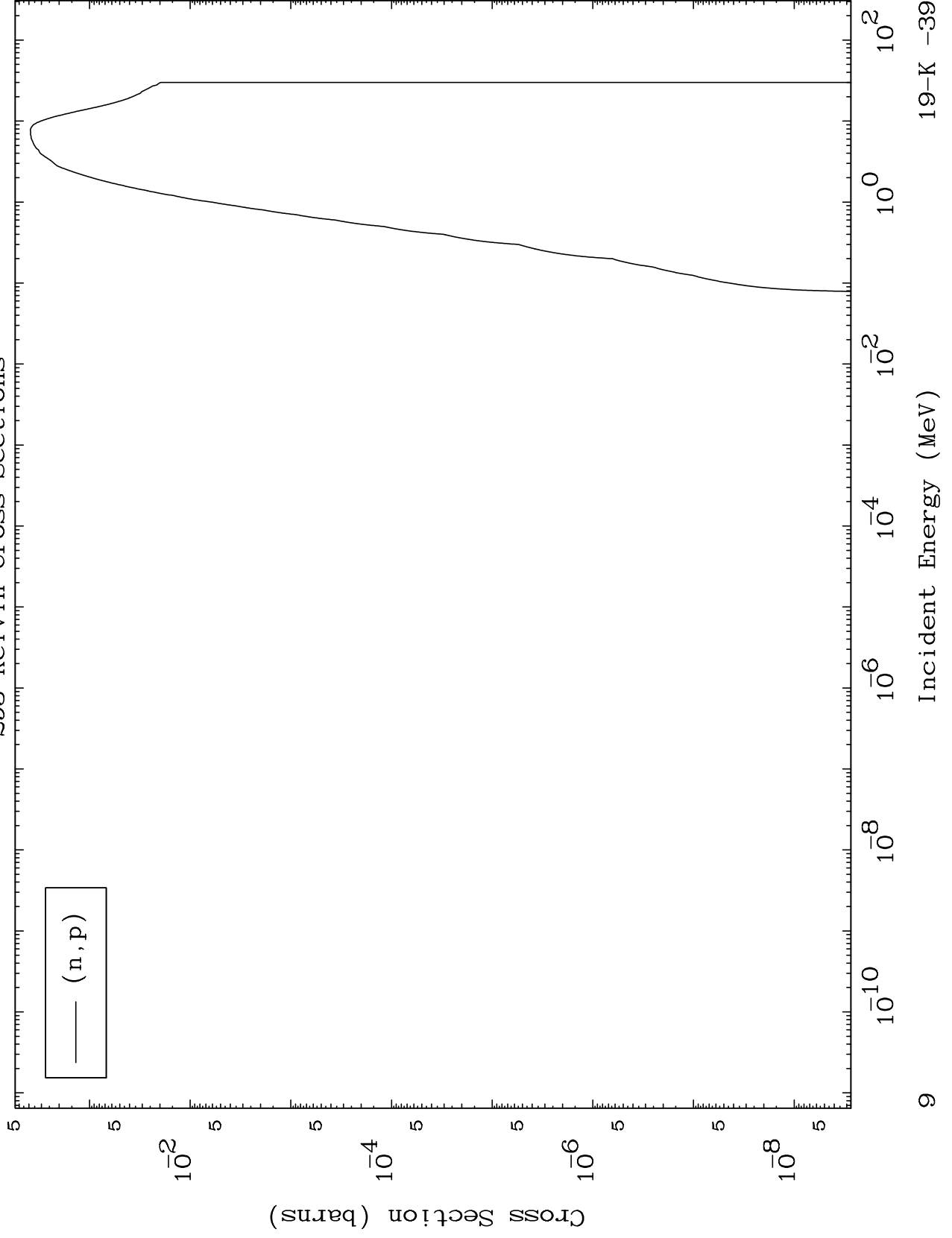




MAT 1925

(n,p) Levels
293 Kelvin Cross Sections

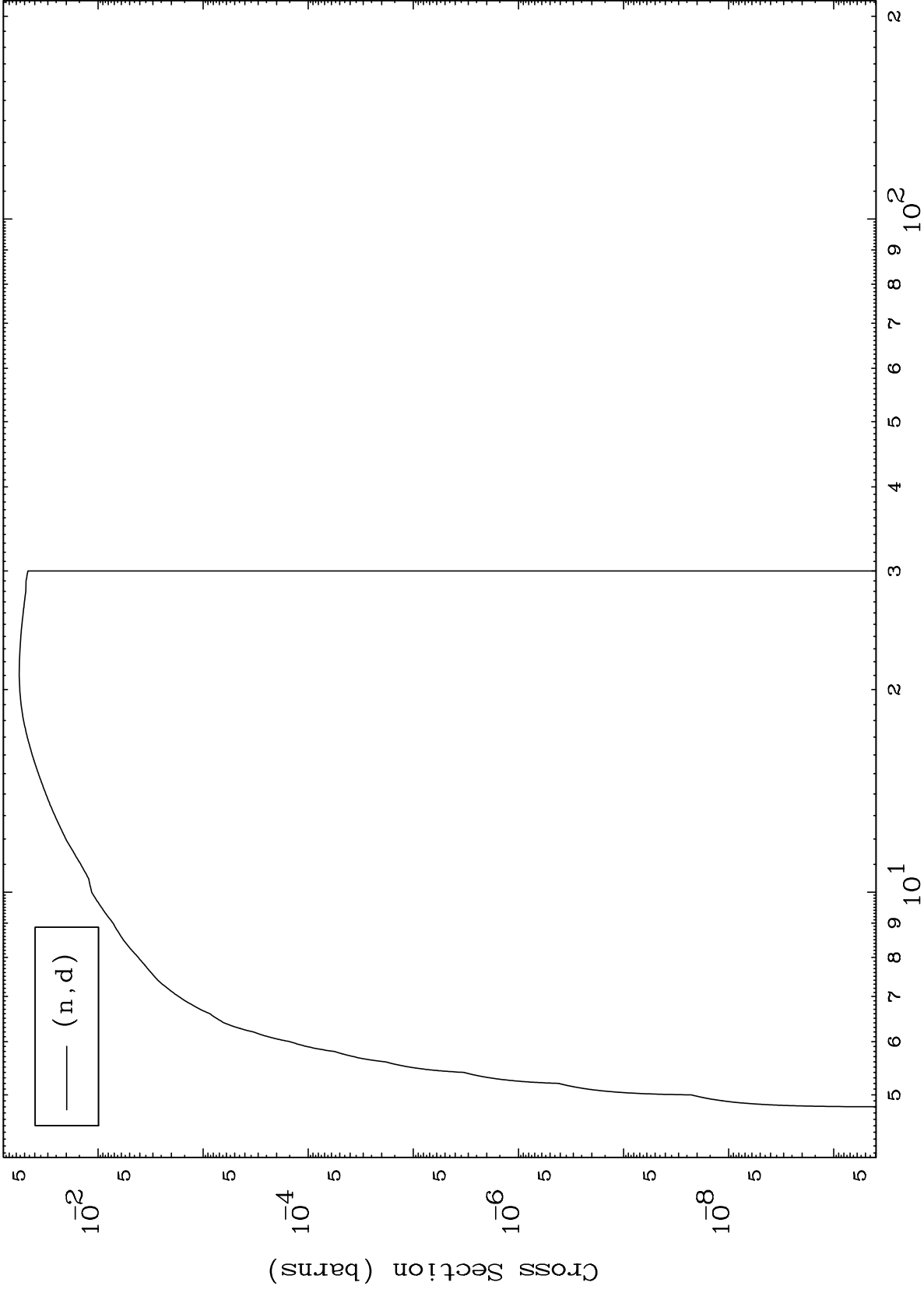
19-K -39



MAT 1925

(n,d) Levels
293 Kelvin Cross Sections

19-K -39



10

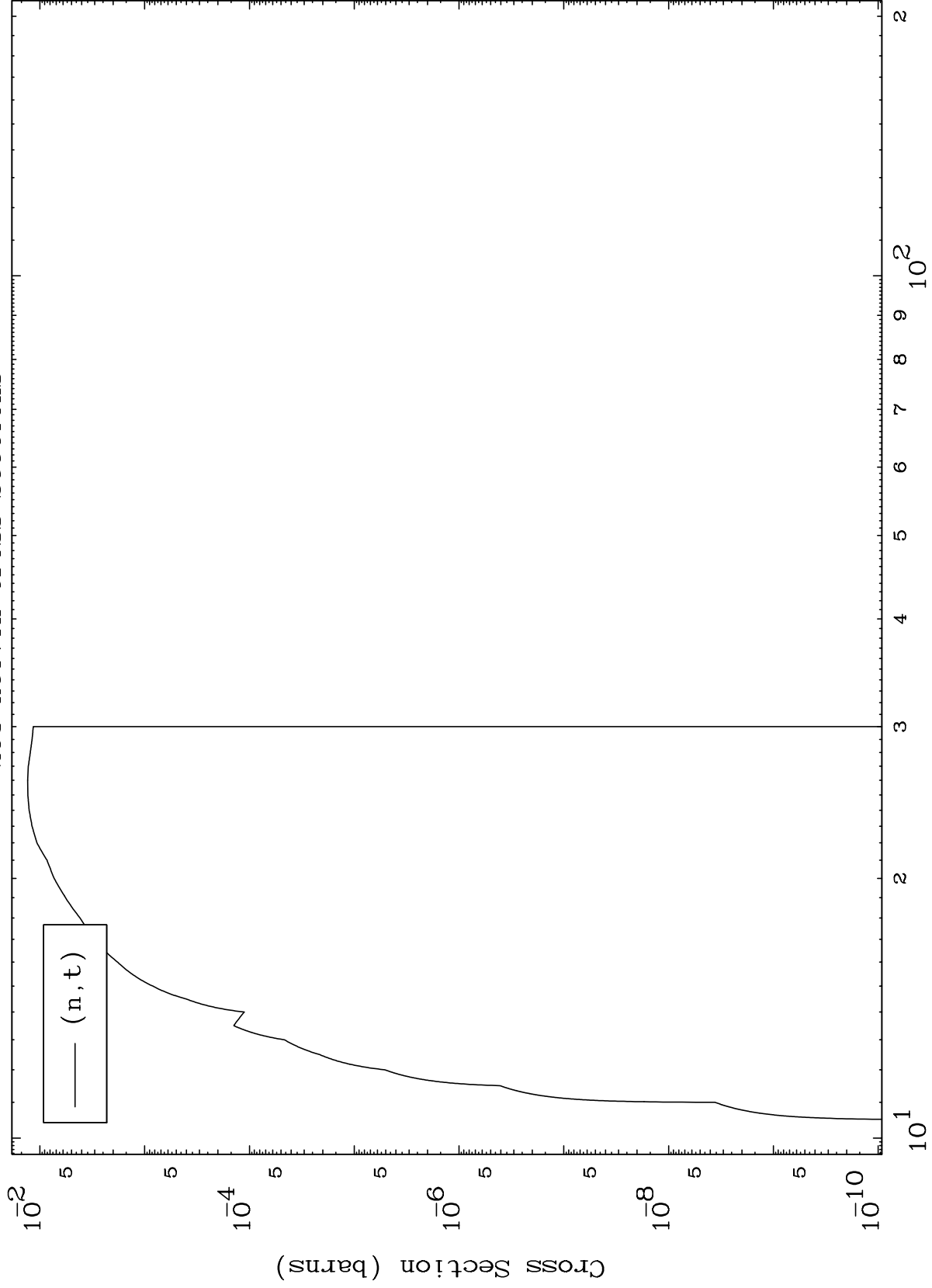
Incident Energy (MeV)

19-K -39

MAT 1925

(n,t) Levels
293 Kelvin Cross Sections

19-K -39



Incident Energy (MeV)

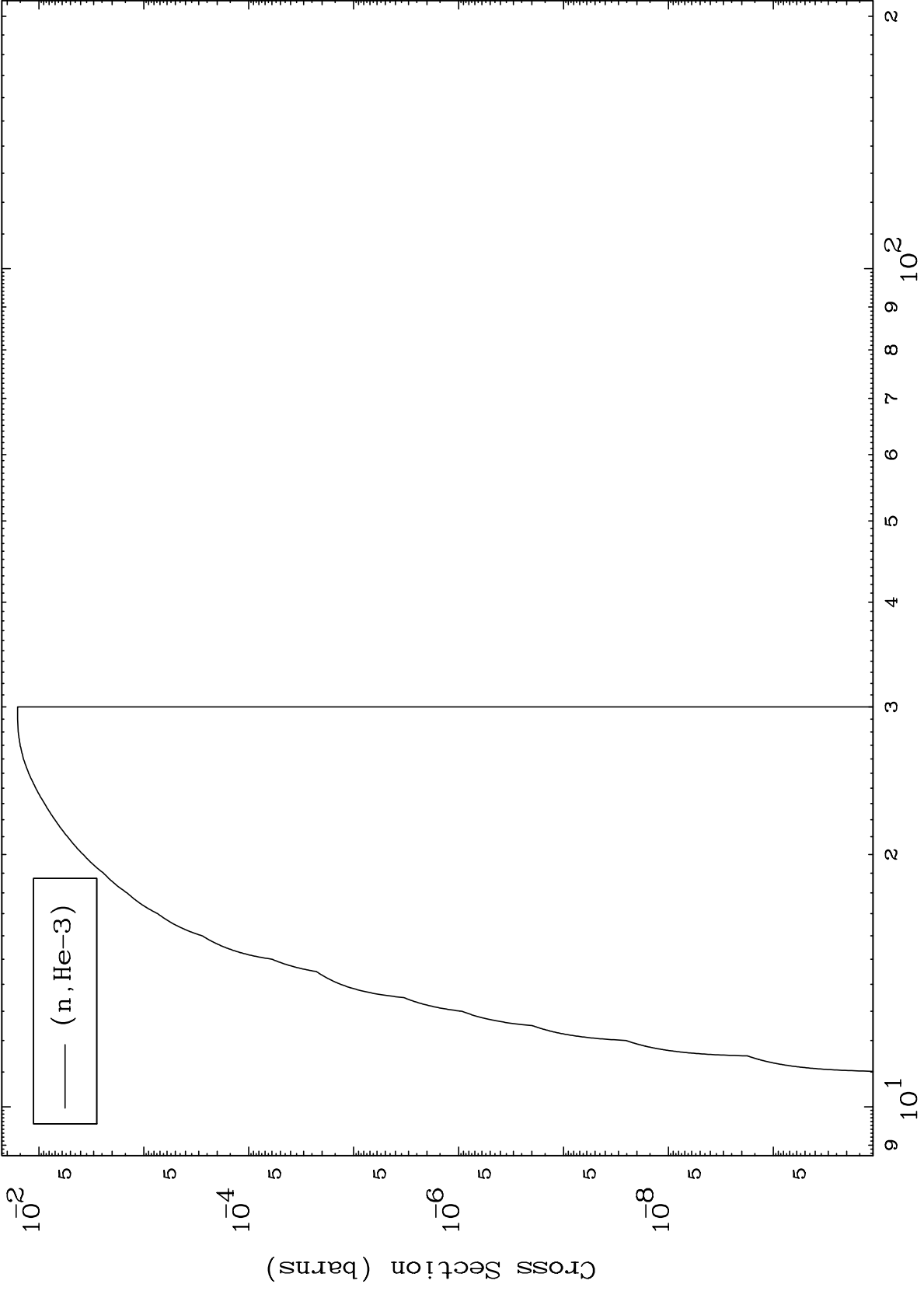
19-K -39

11

MAT 1925

(n,He3) Levels
293 Kelvin Cross Sections

19-K -39



12

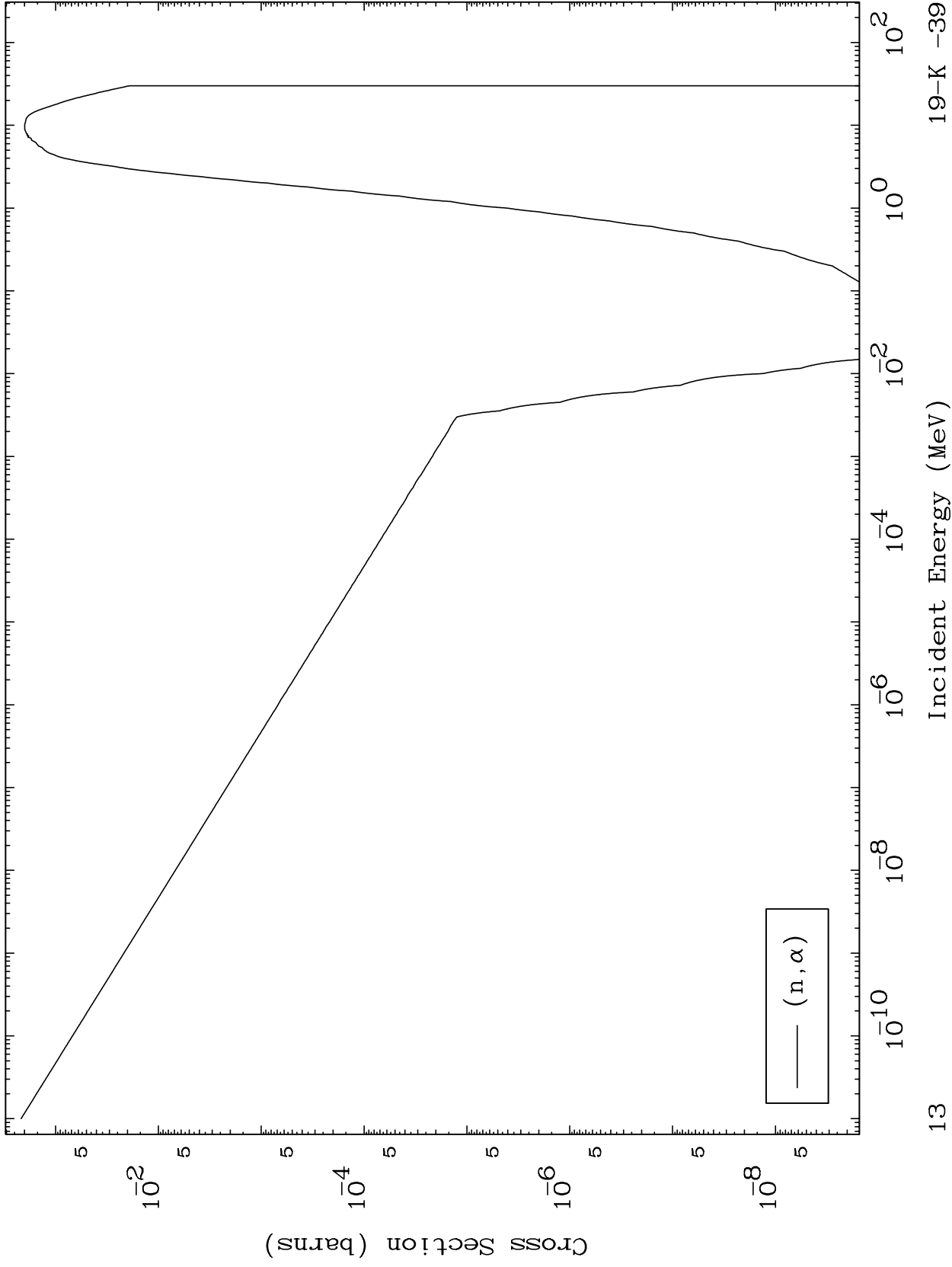
Incident Energy (MeV)

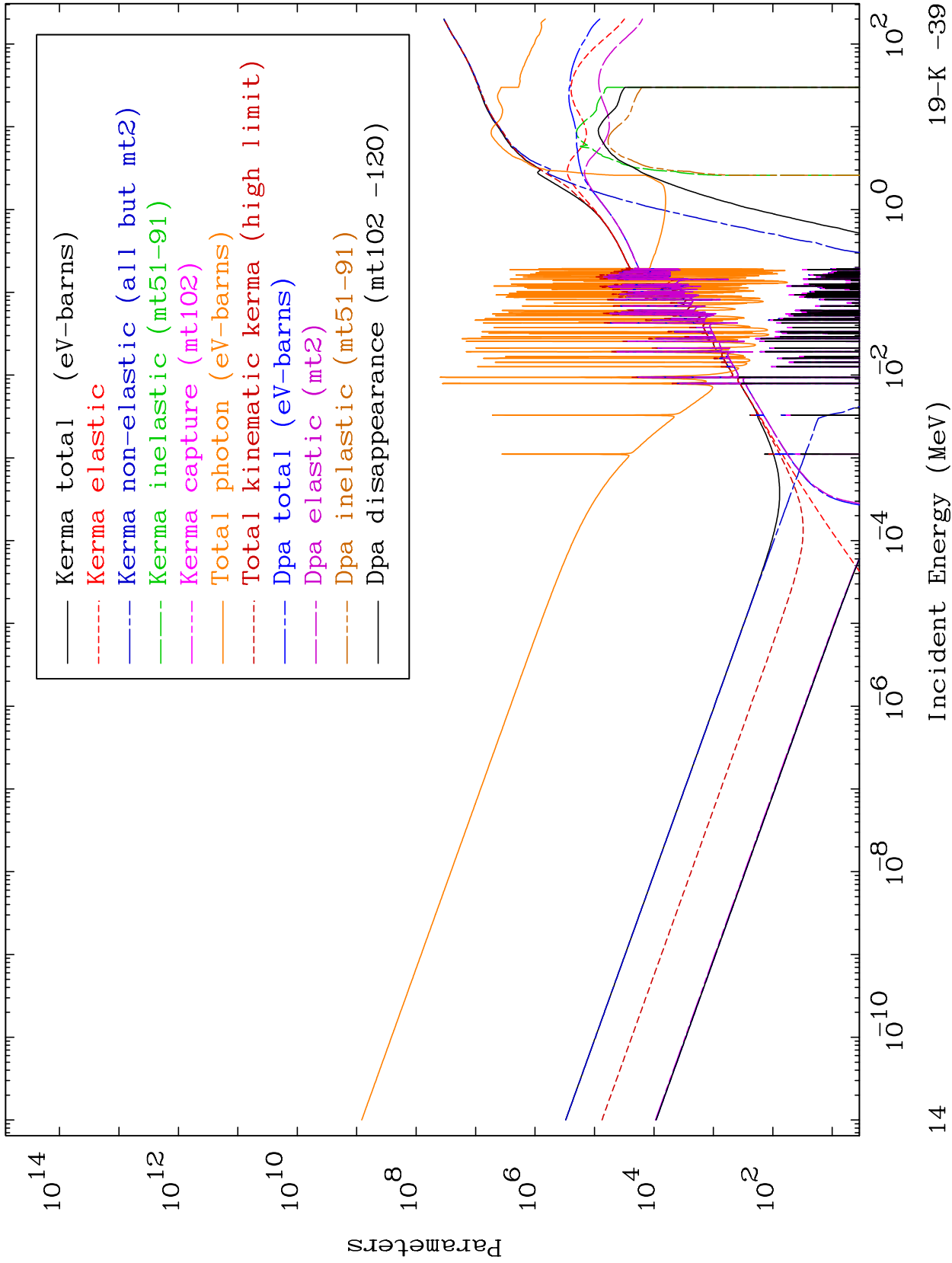
19-K -39

MAT 1925

(n,α) Levels
293 Kelvin Cross Sections

19-K -39

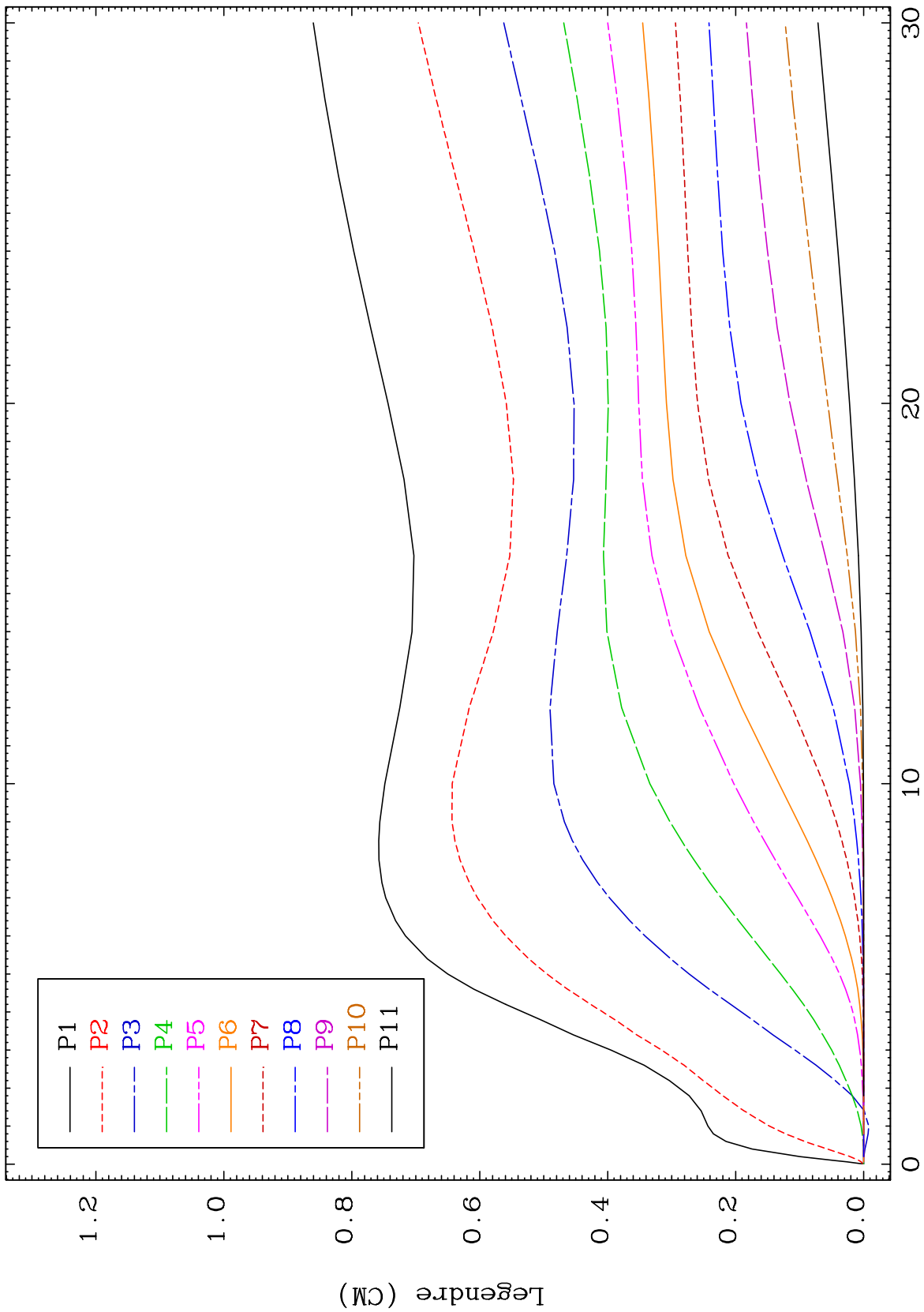




MAT 1925

Elastic Legendre Coefficients

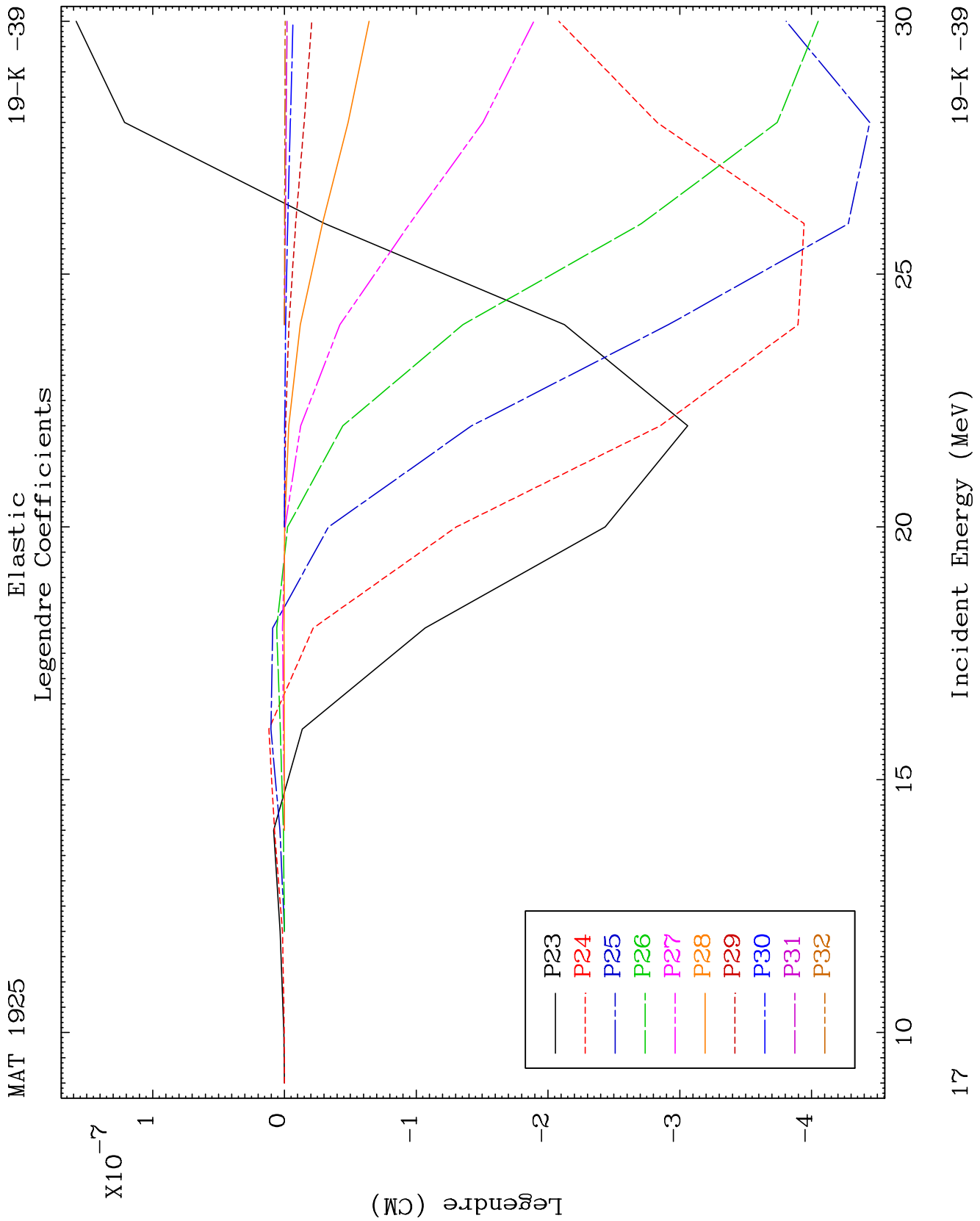
19-K -39



15

Incident Energy (MeV)

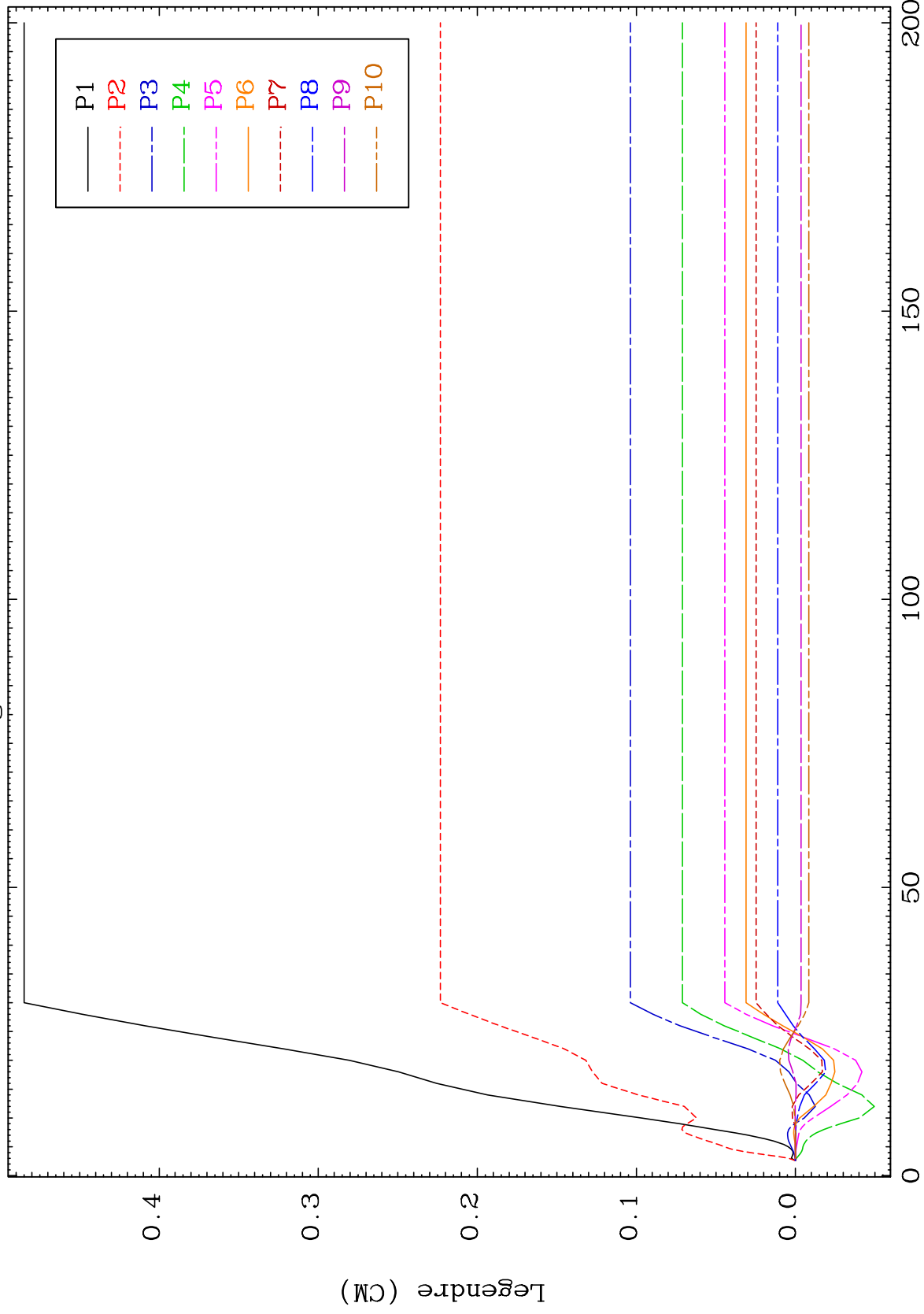
19-K -39



MAT 1925

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

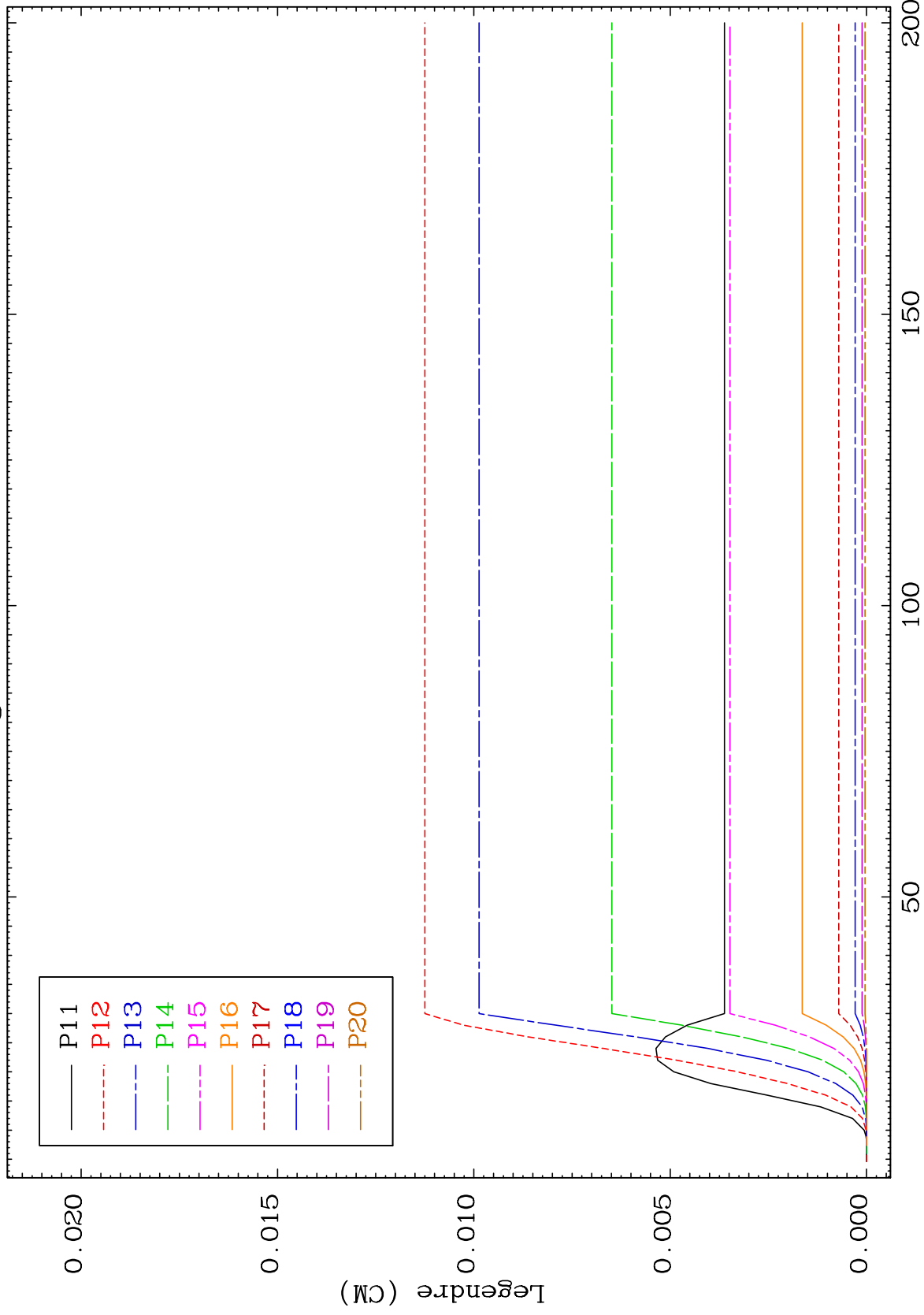
19-K -39



18

Incident Energy (MeV)

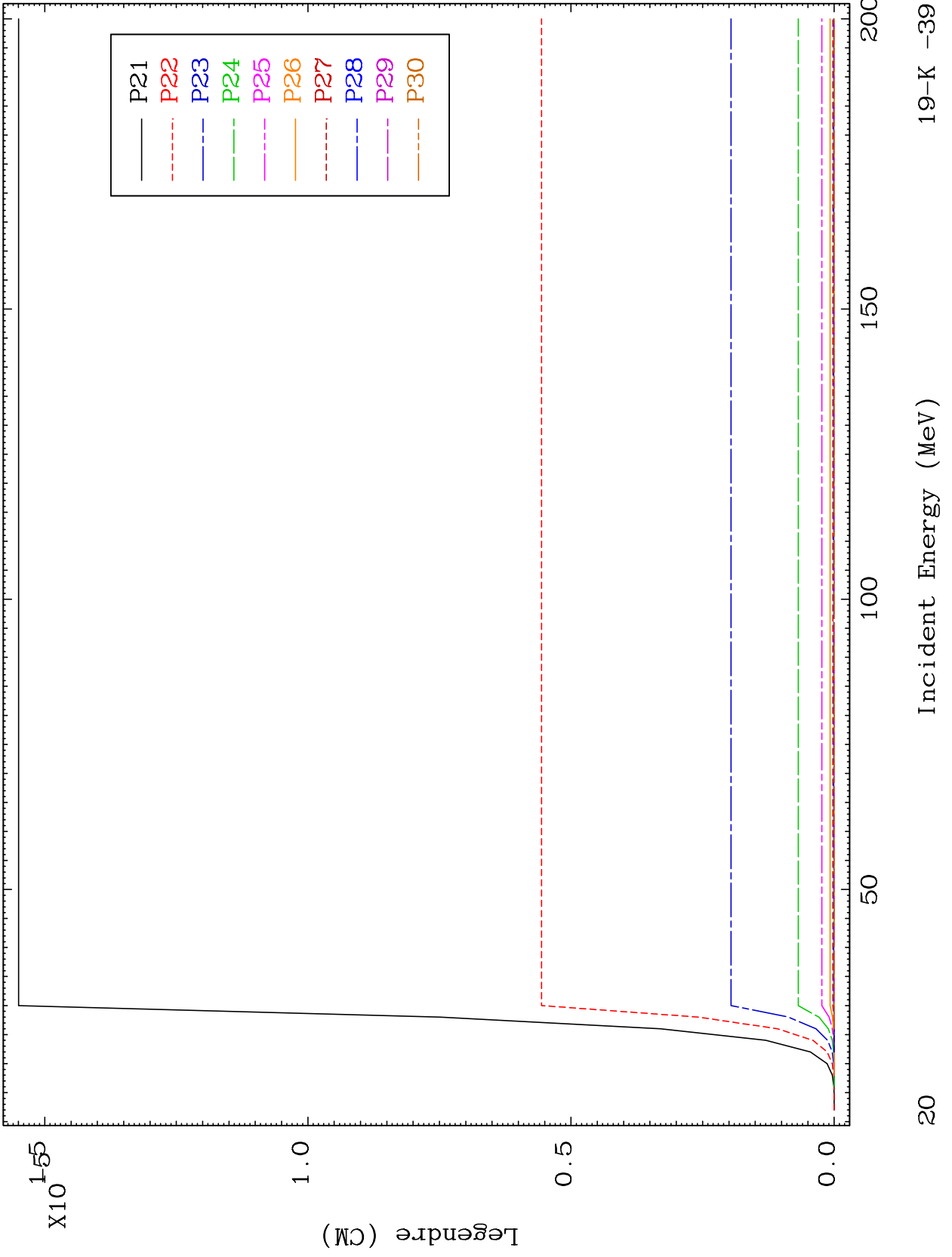
19-K -39



MAT 1925

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

19-K -39



20

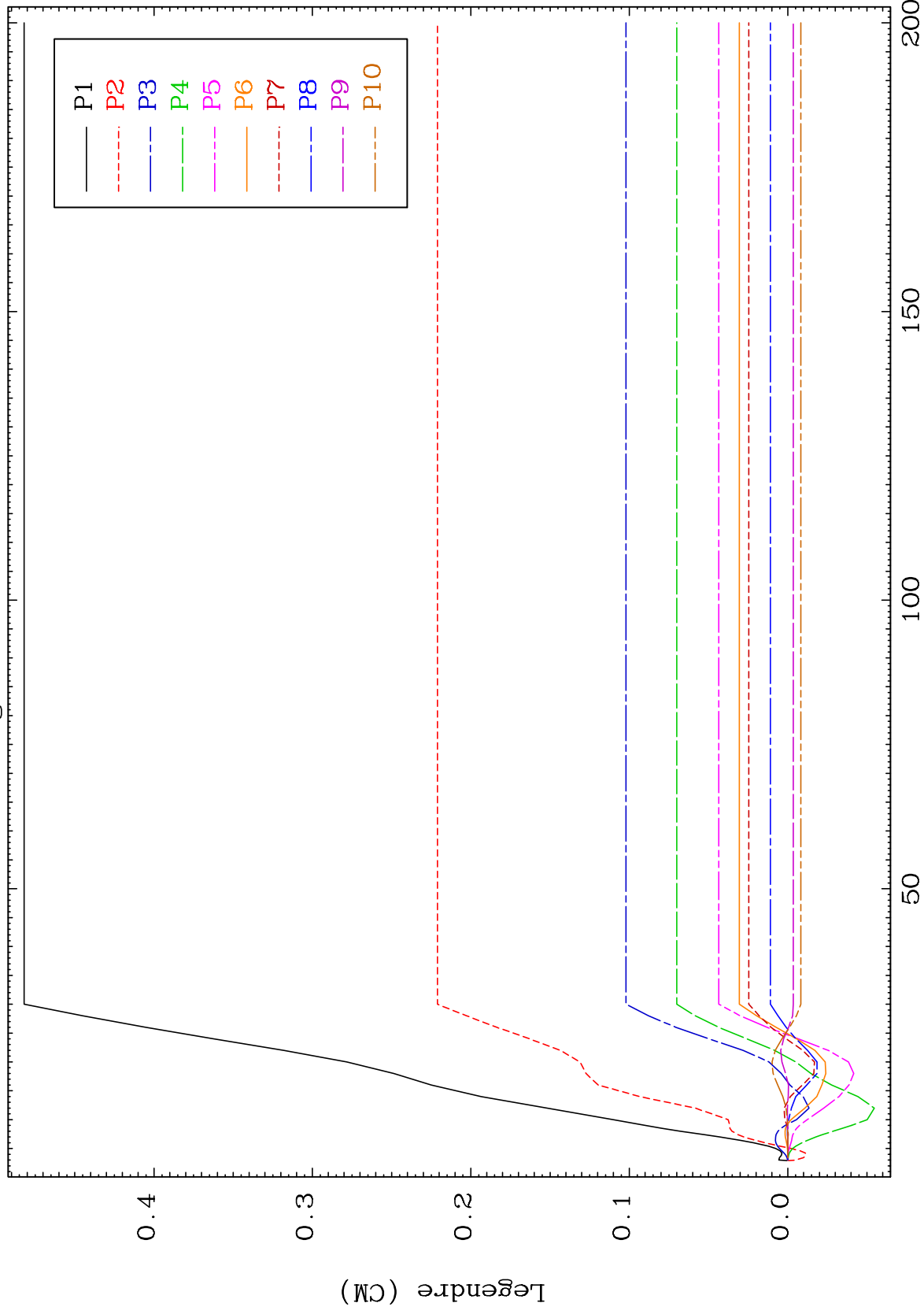
Incident Energy (MeV)

19-K -39

MAT 1925

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

19-K -39



21

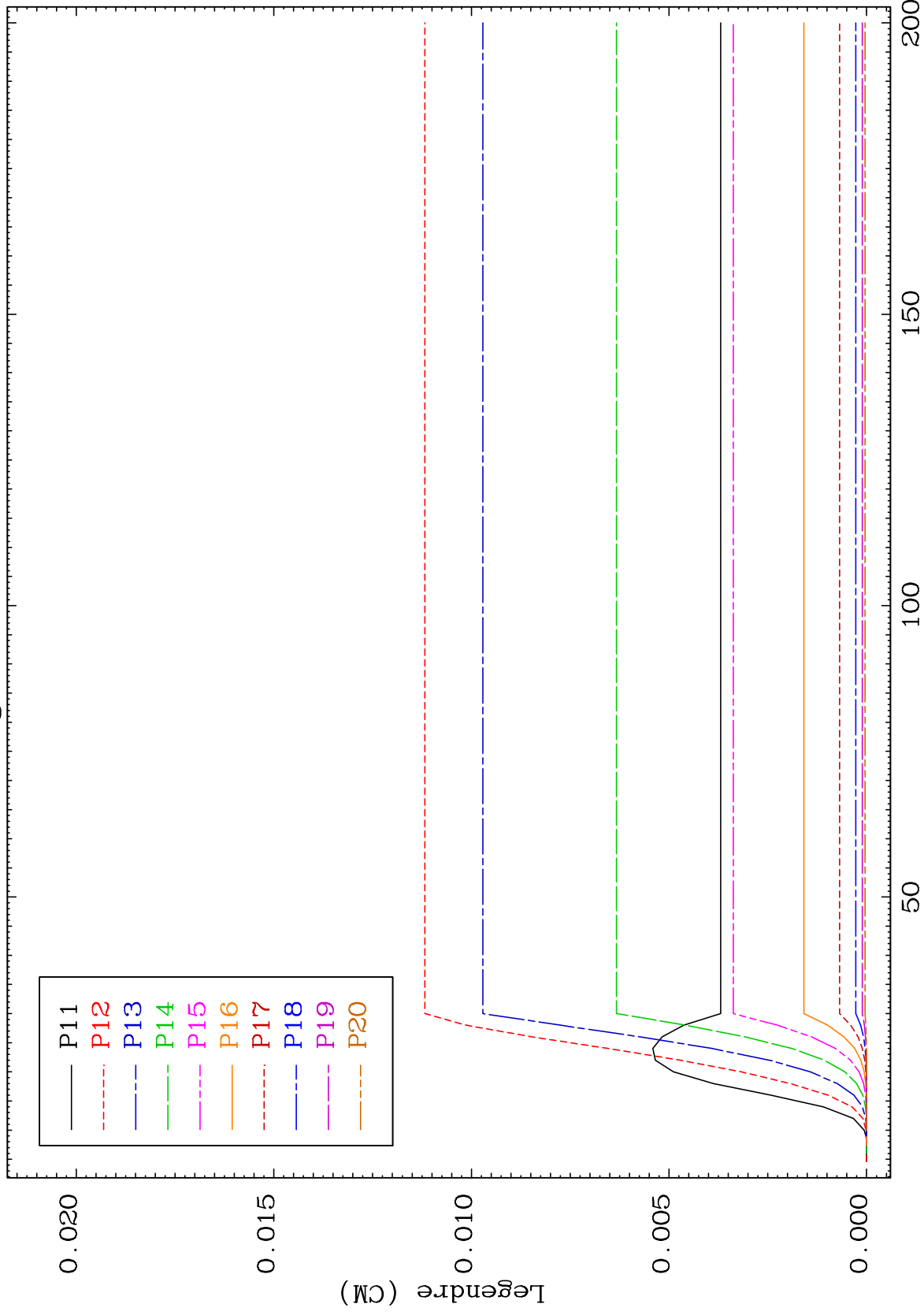
Incident Energy (MeV)

19-K -39

MAT 1925

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

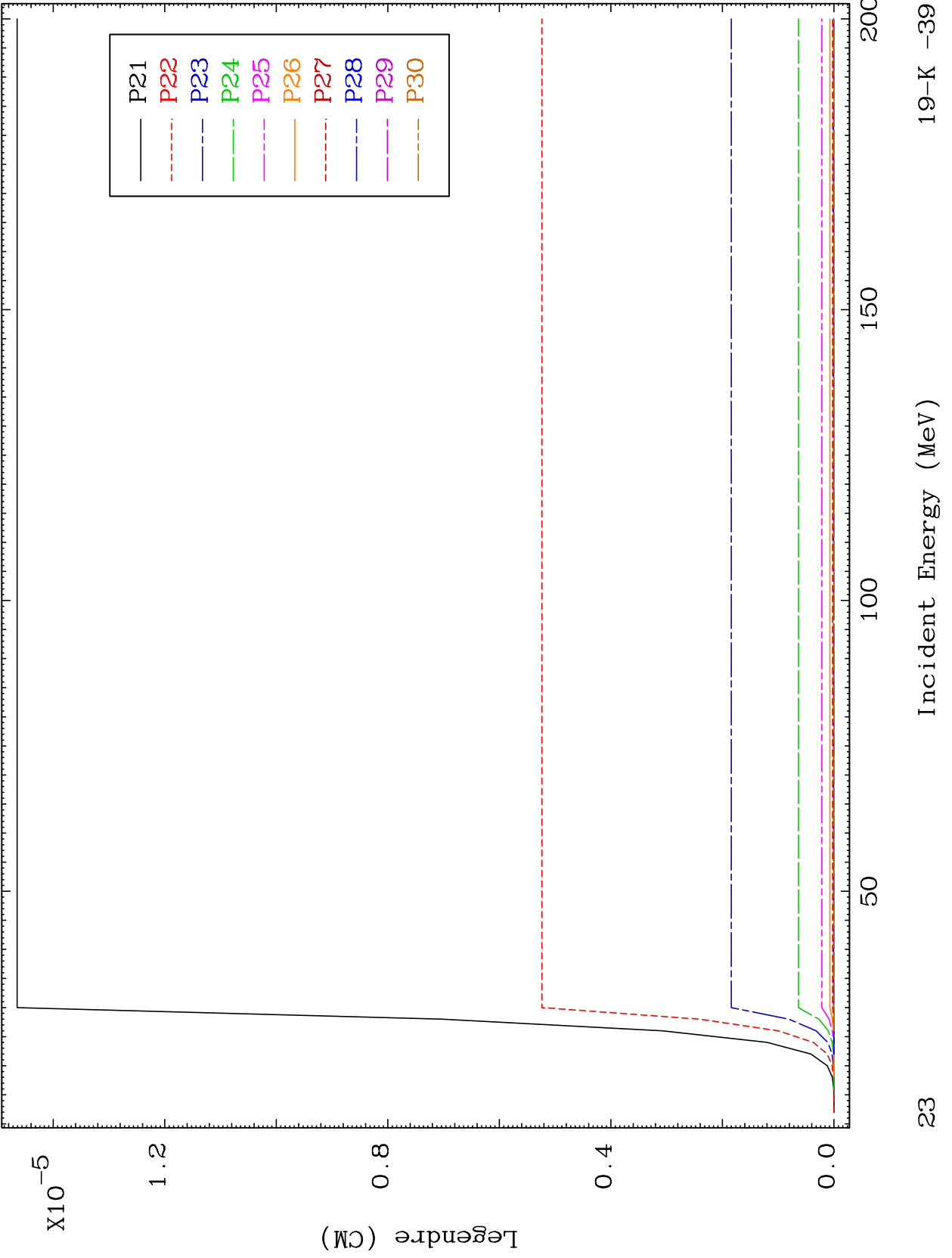
19-K -39



22

Incident Energy (MeV)

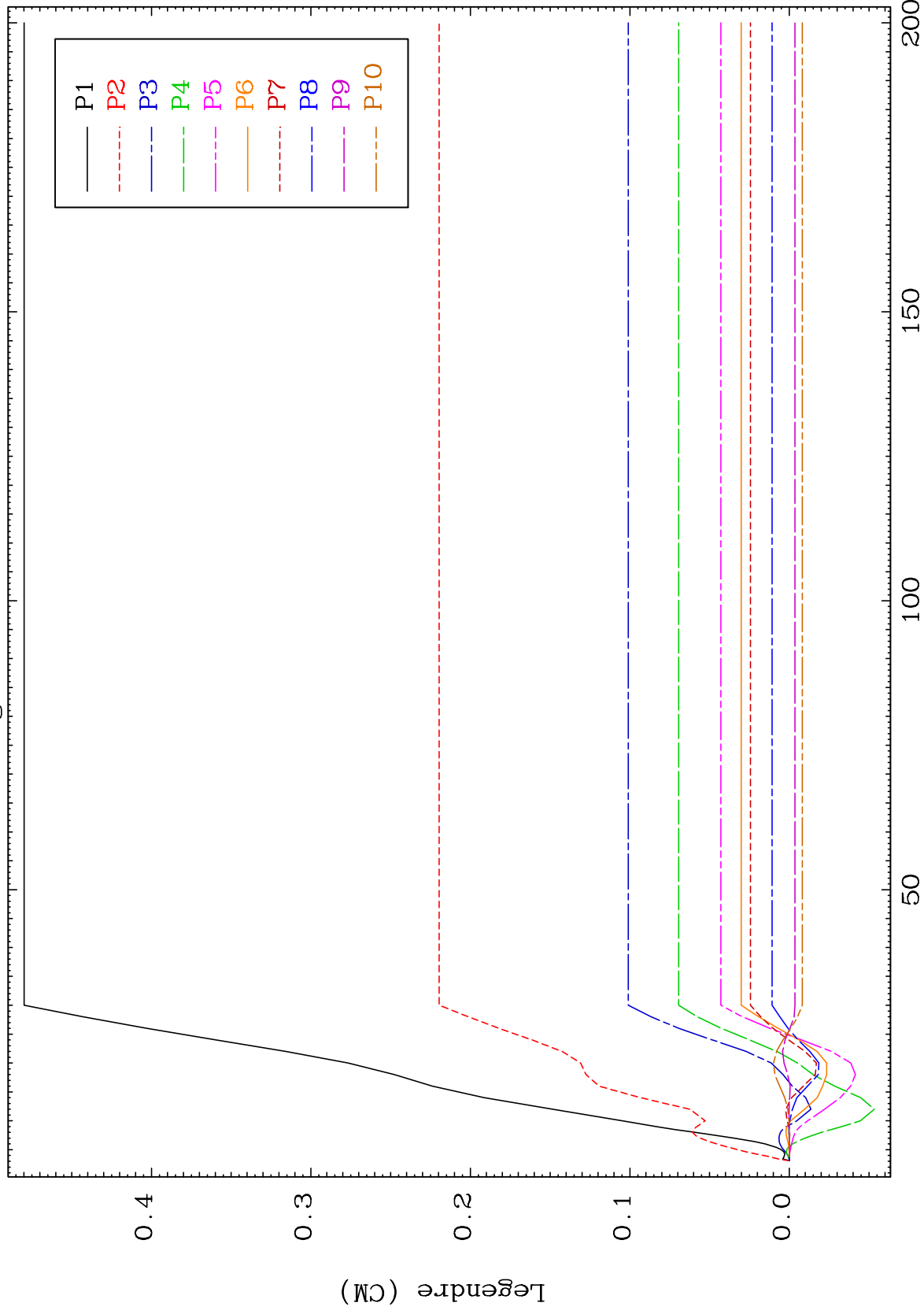
19-K -39



MAT 1925

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

19-K -39



24

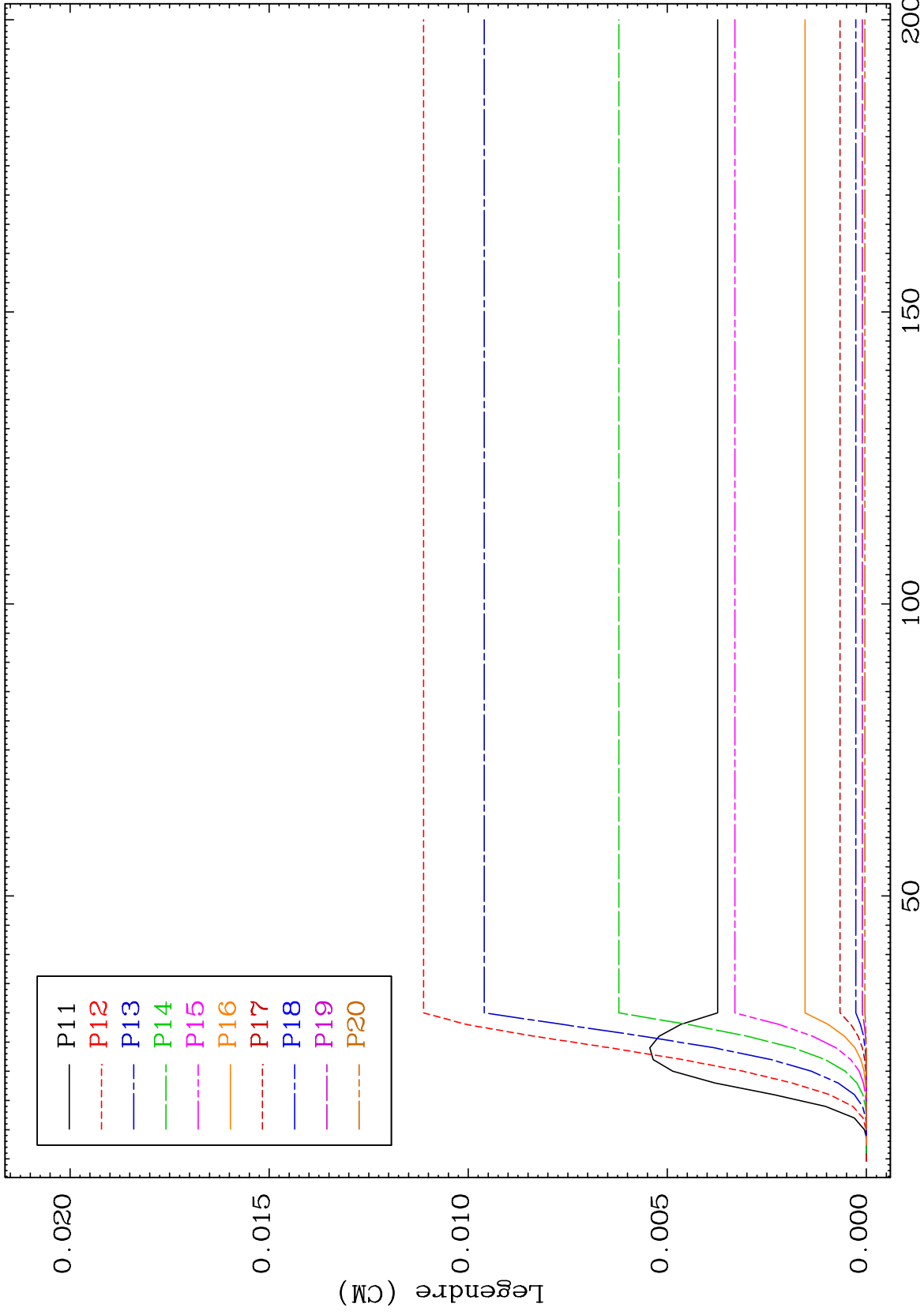
Incident Energy (MeV)

19-K -39

MAT 1925

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

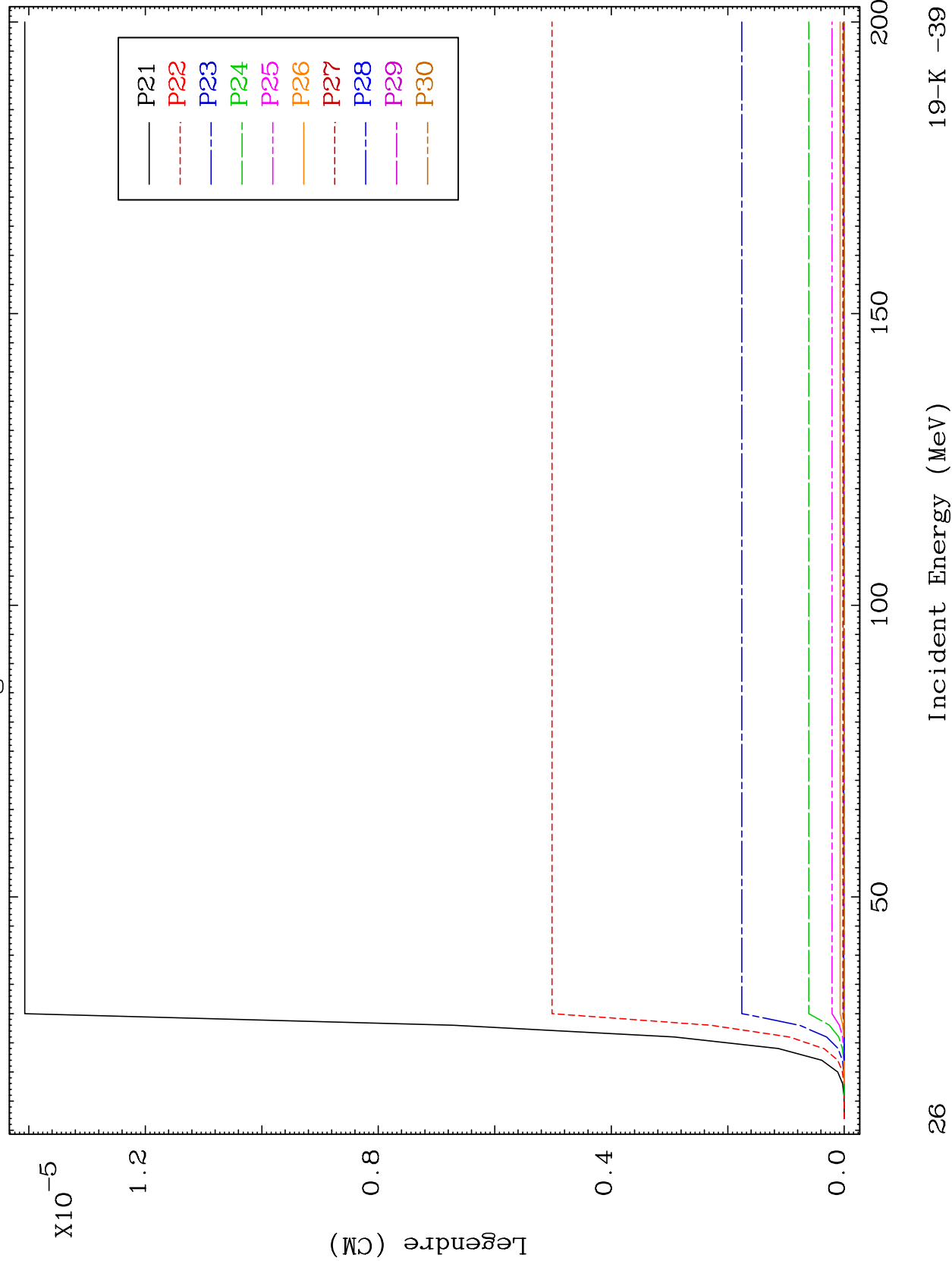
19-K -39

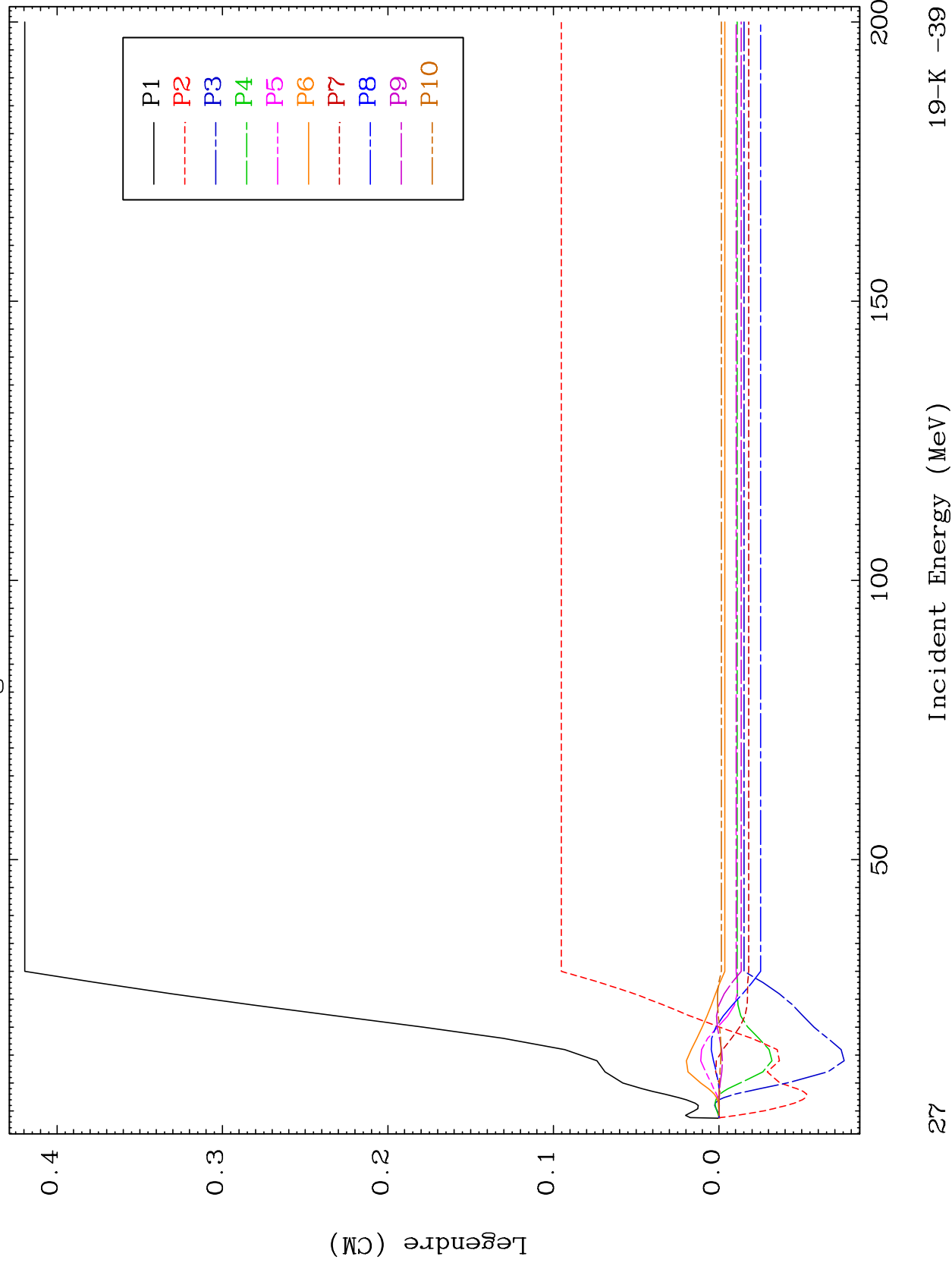


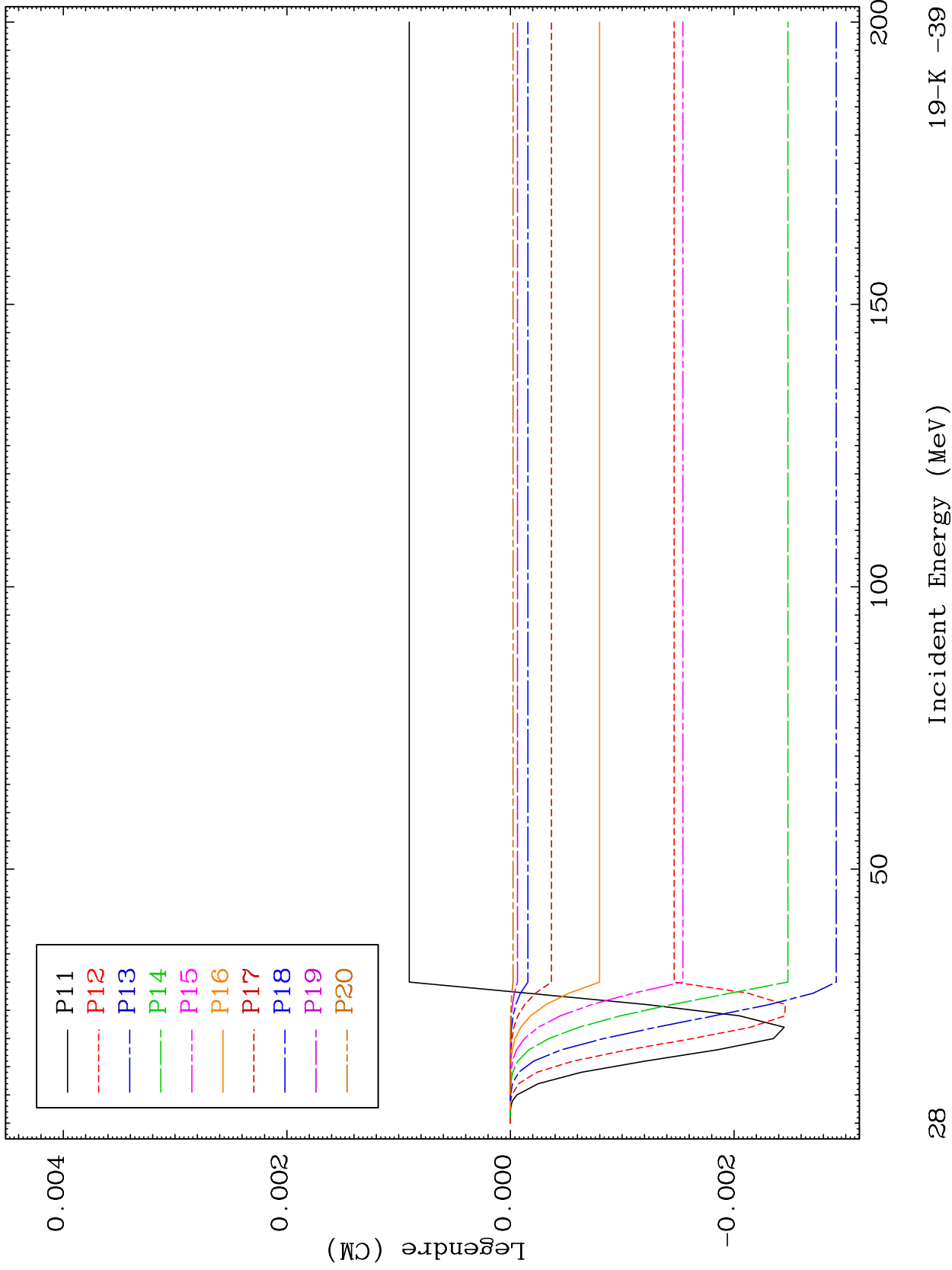
25

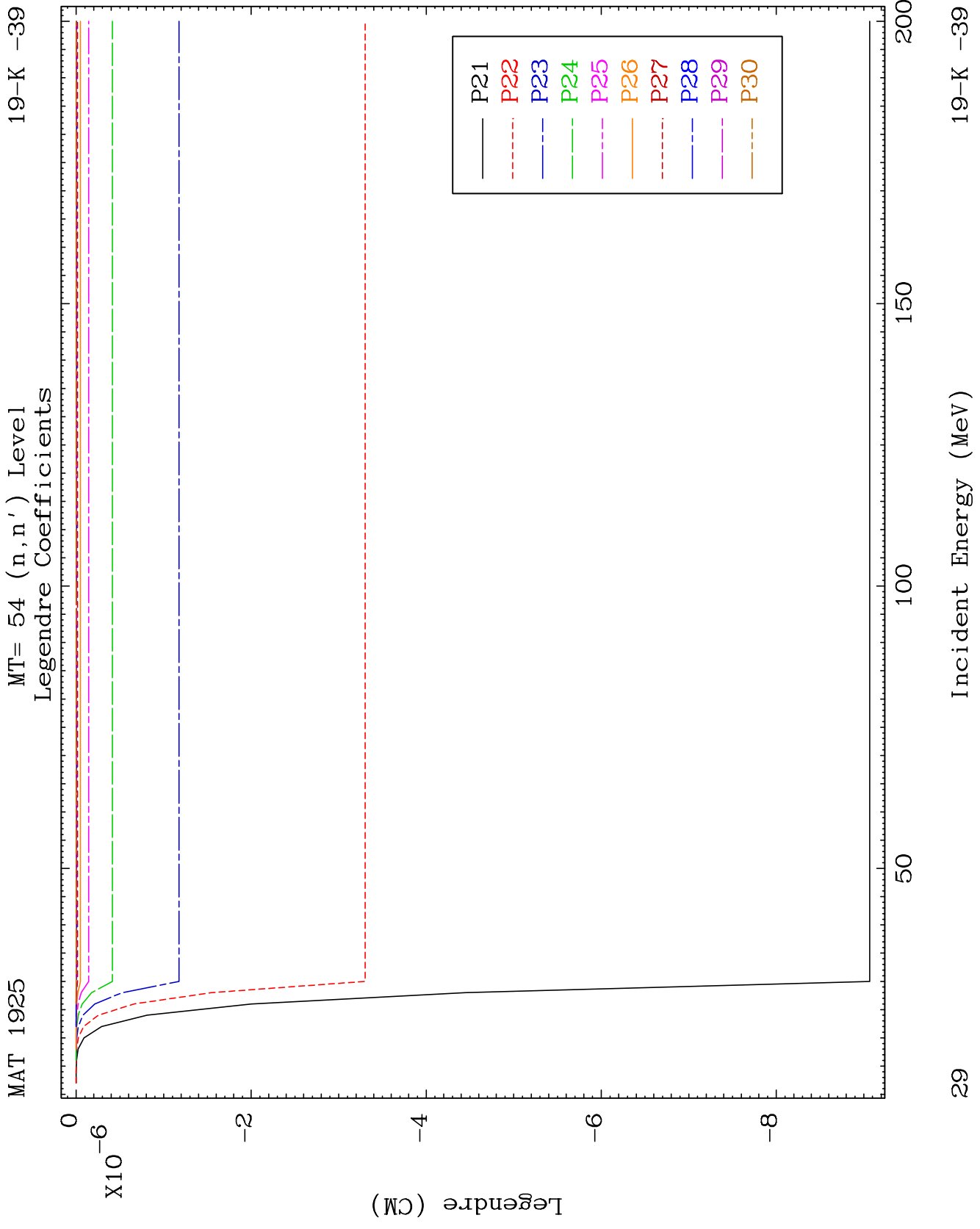
Incident Energy (MeV)

19-K -39





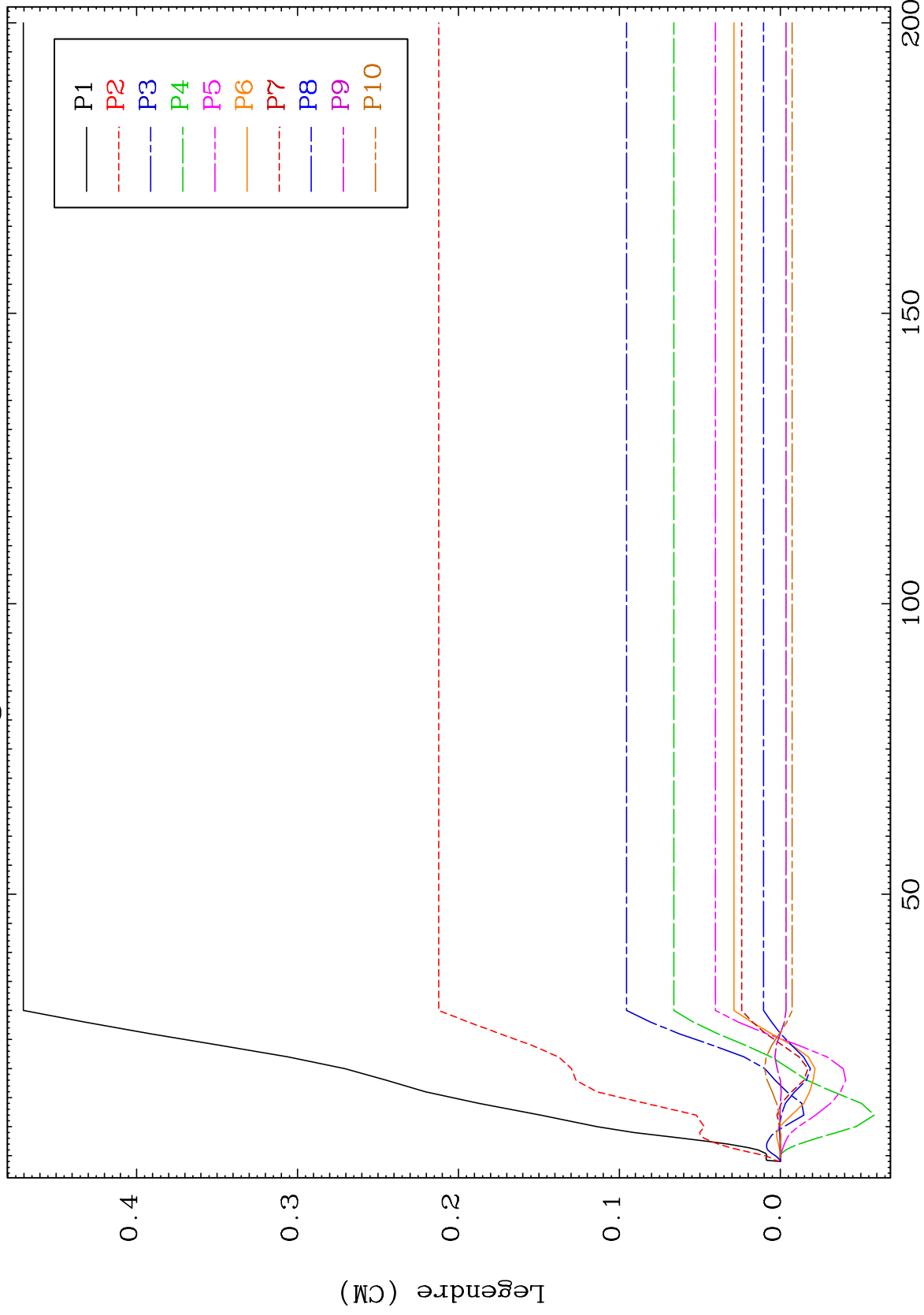




MAT 1925

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

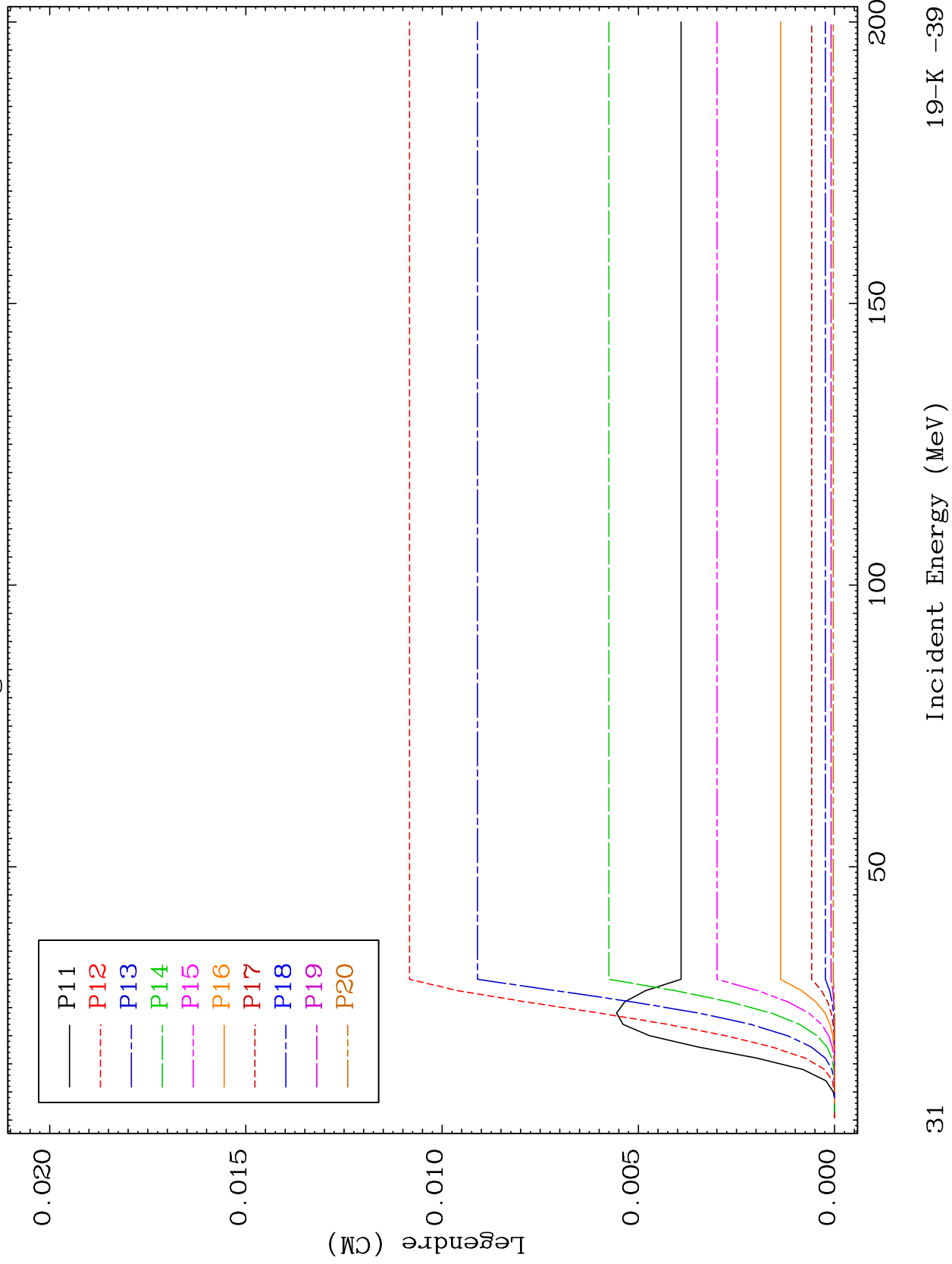
19-K -39

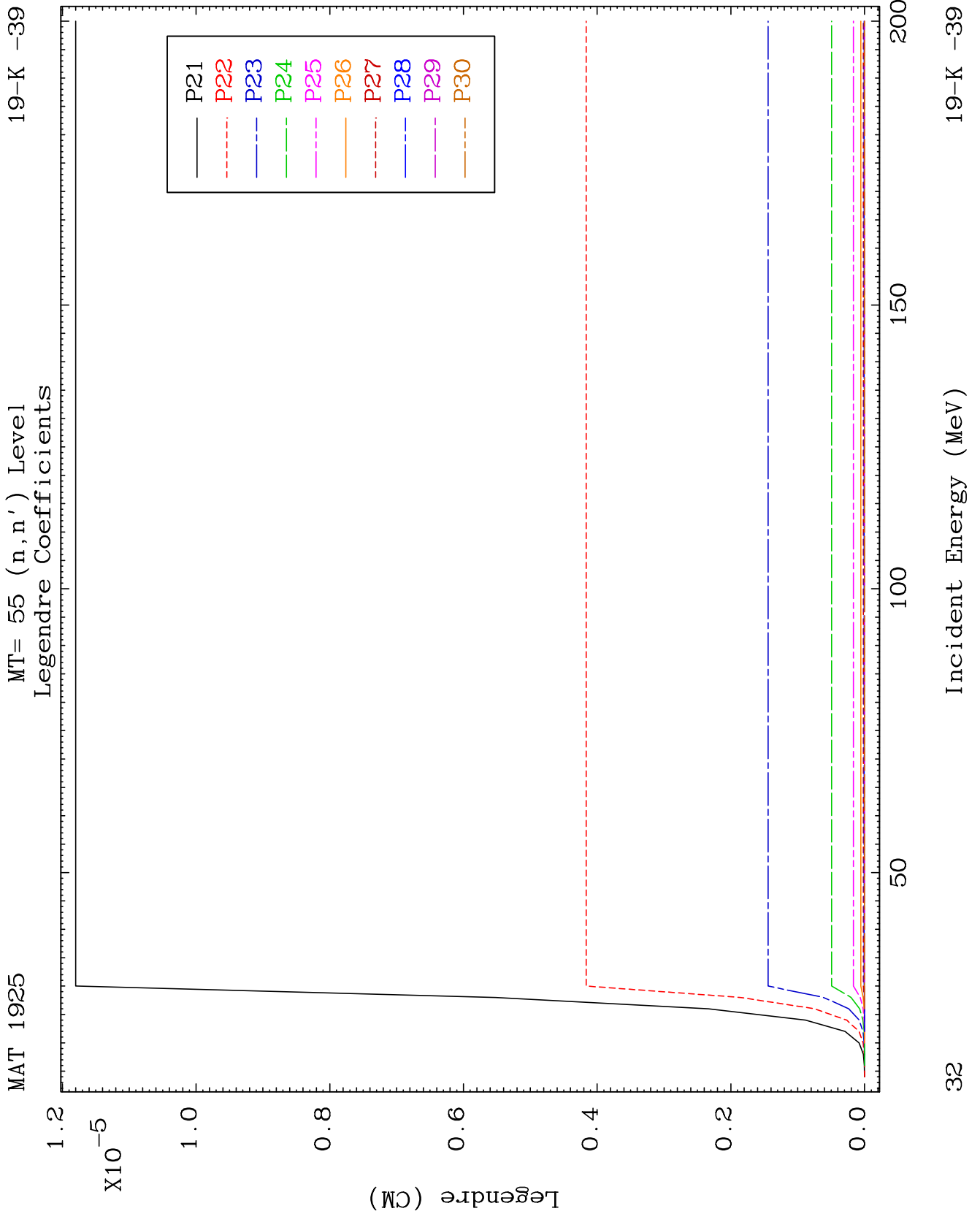


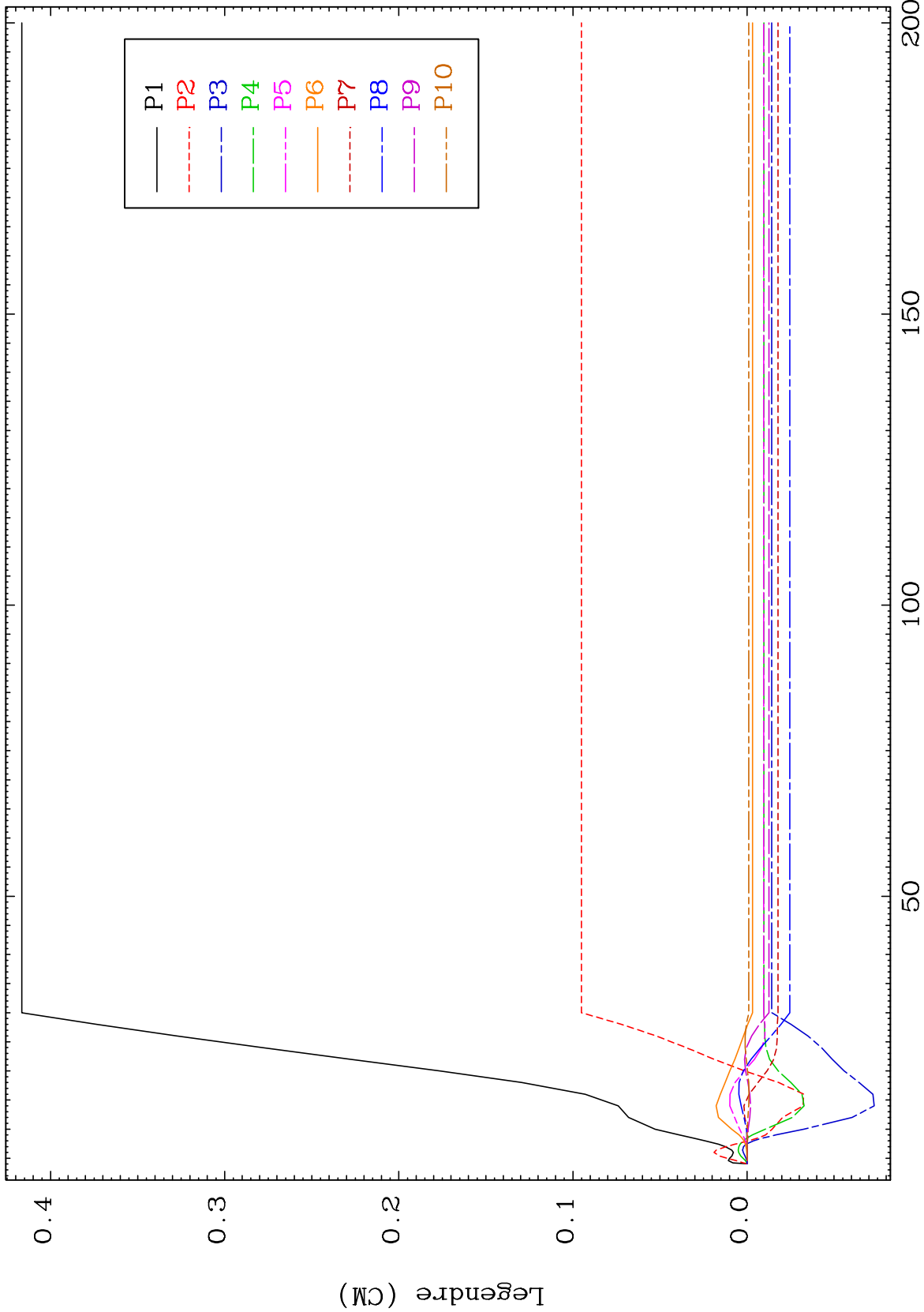
30

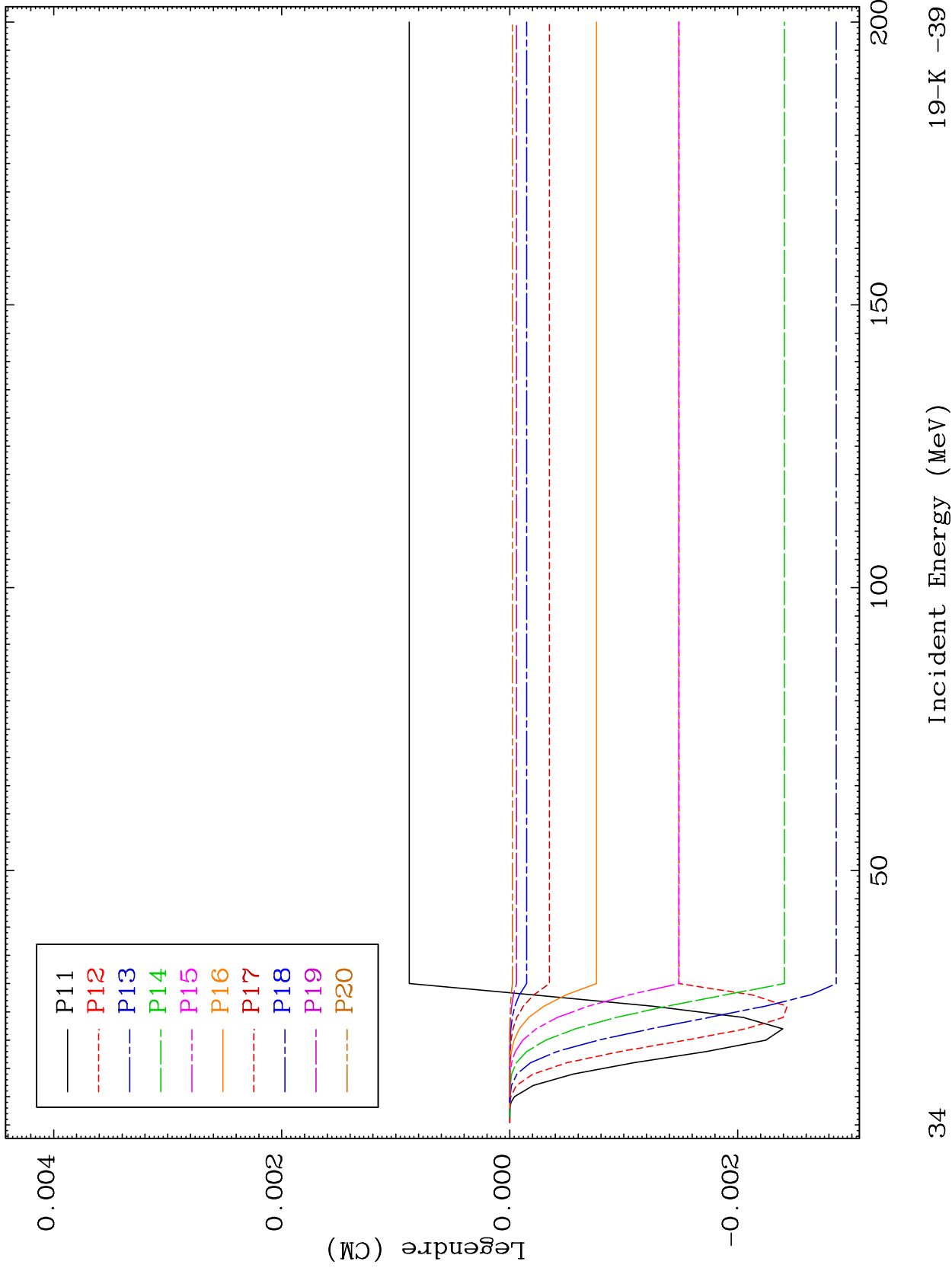
Incident Energy (MeV)

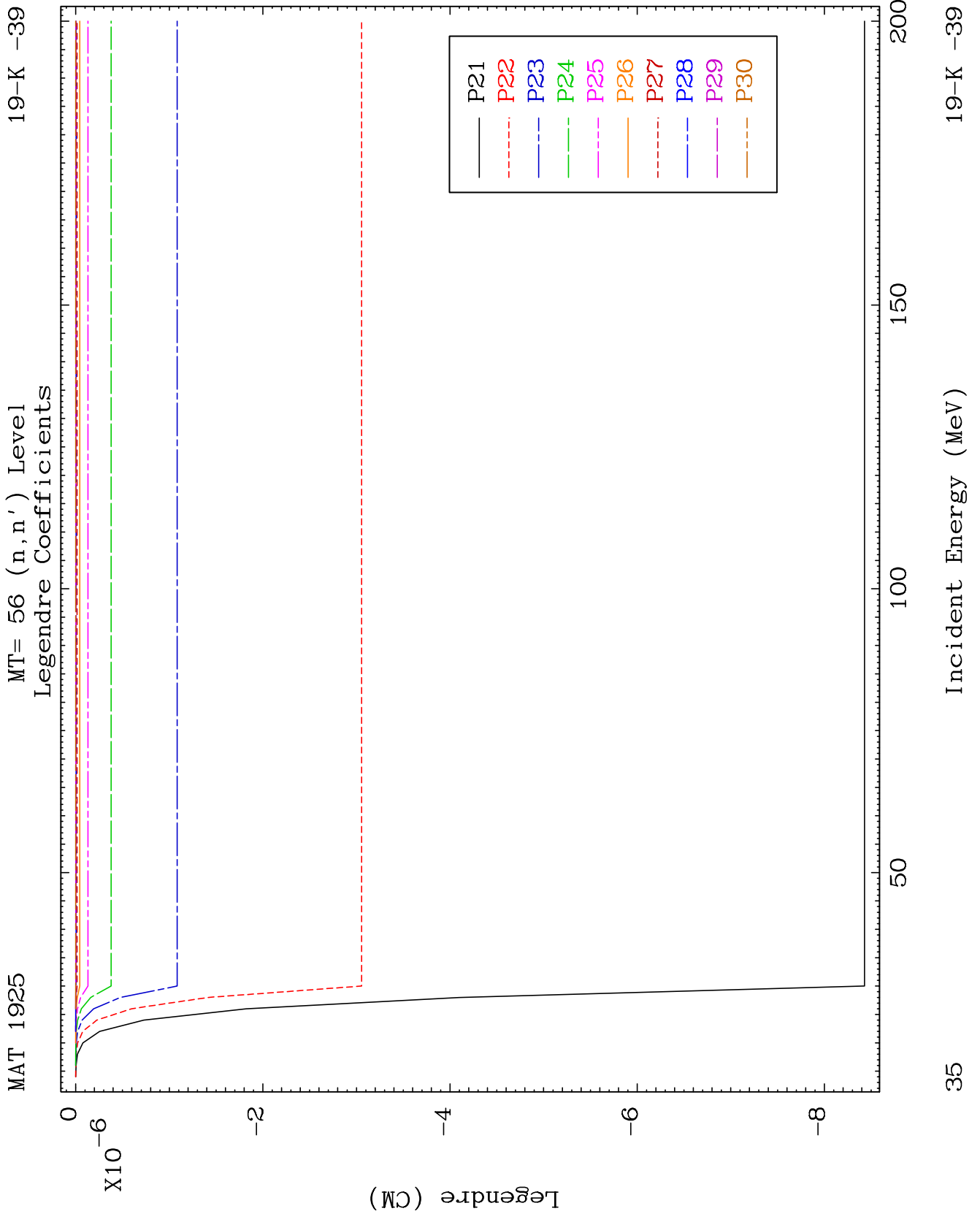
19-K -39

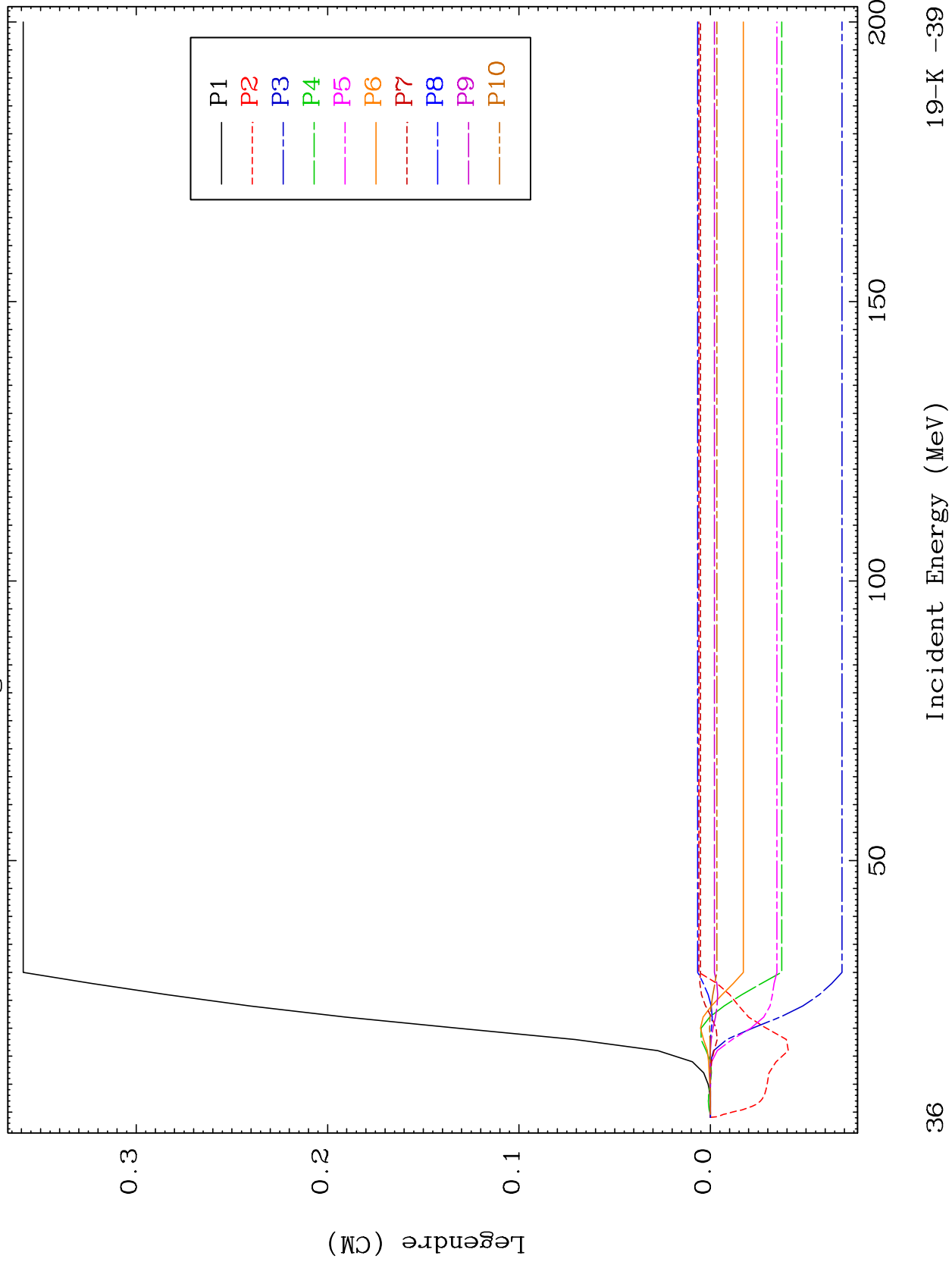


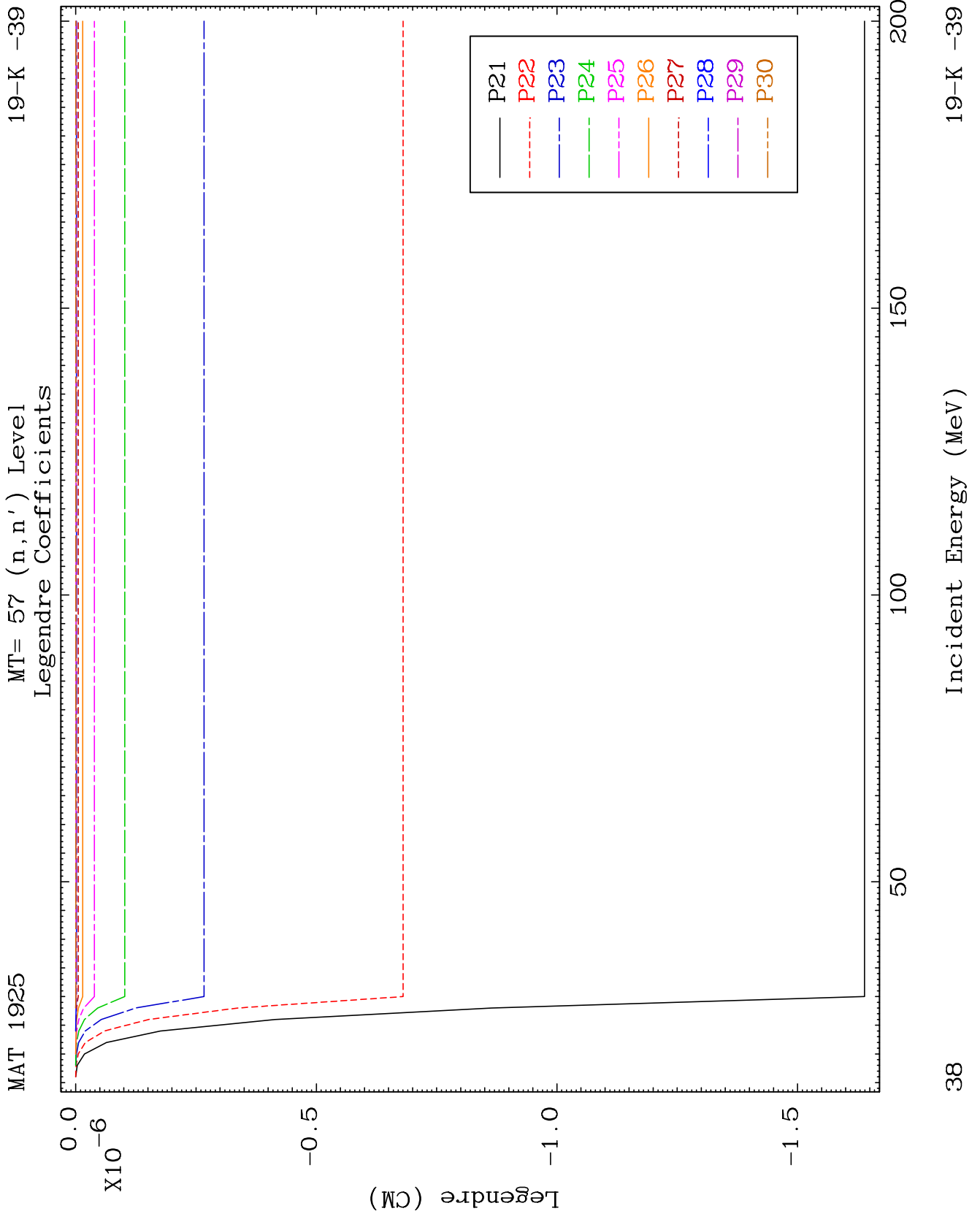








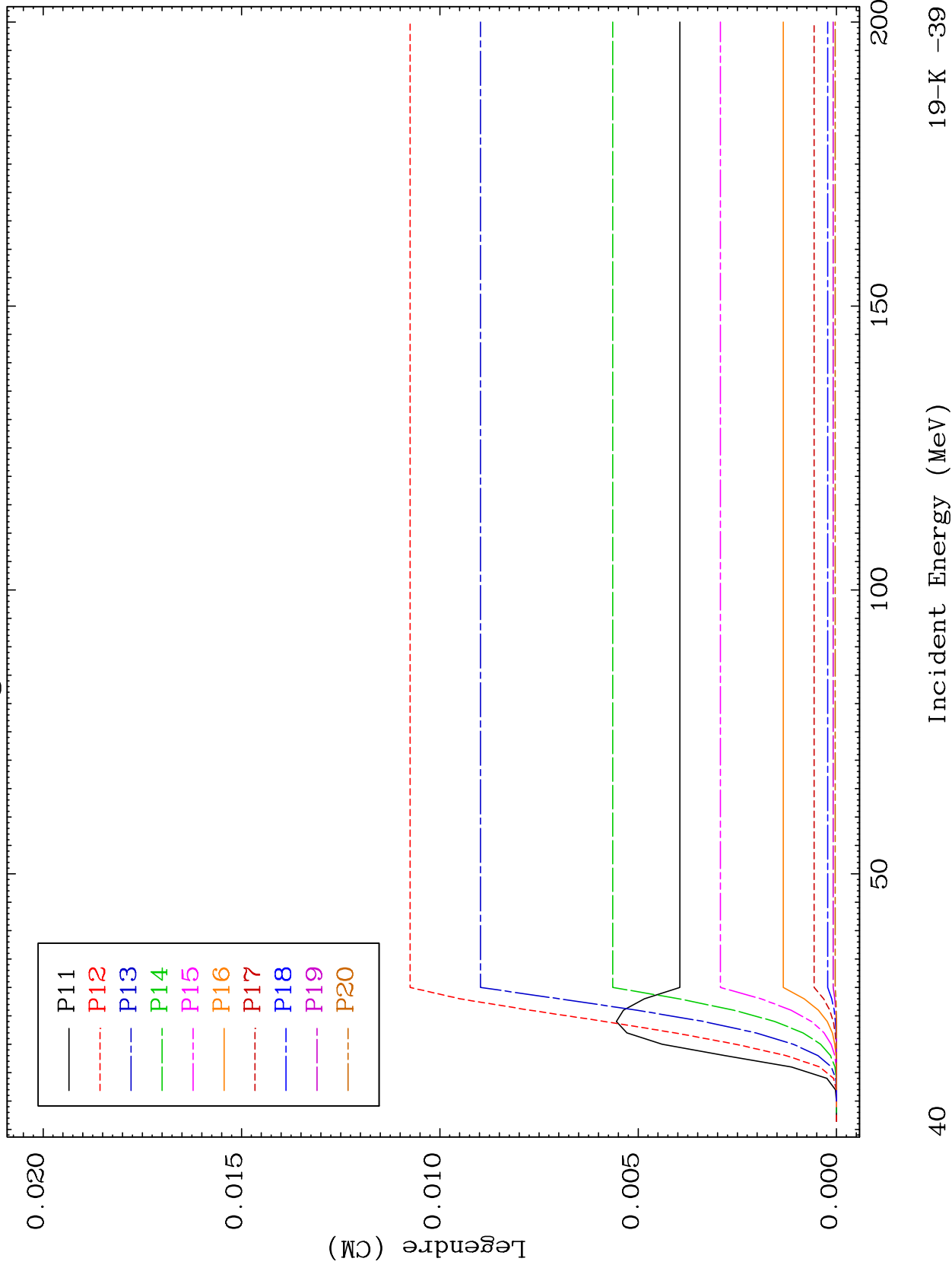




MAT 1925

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

19-K -39



40

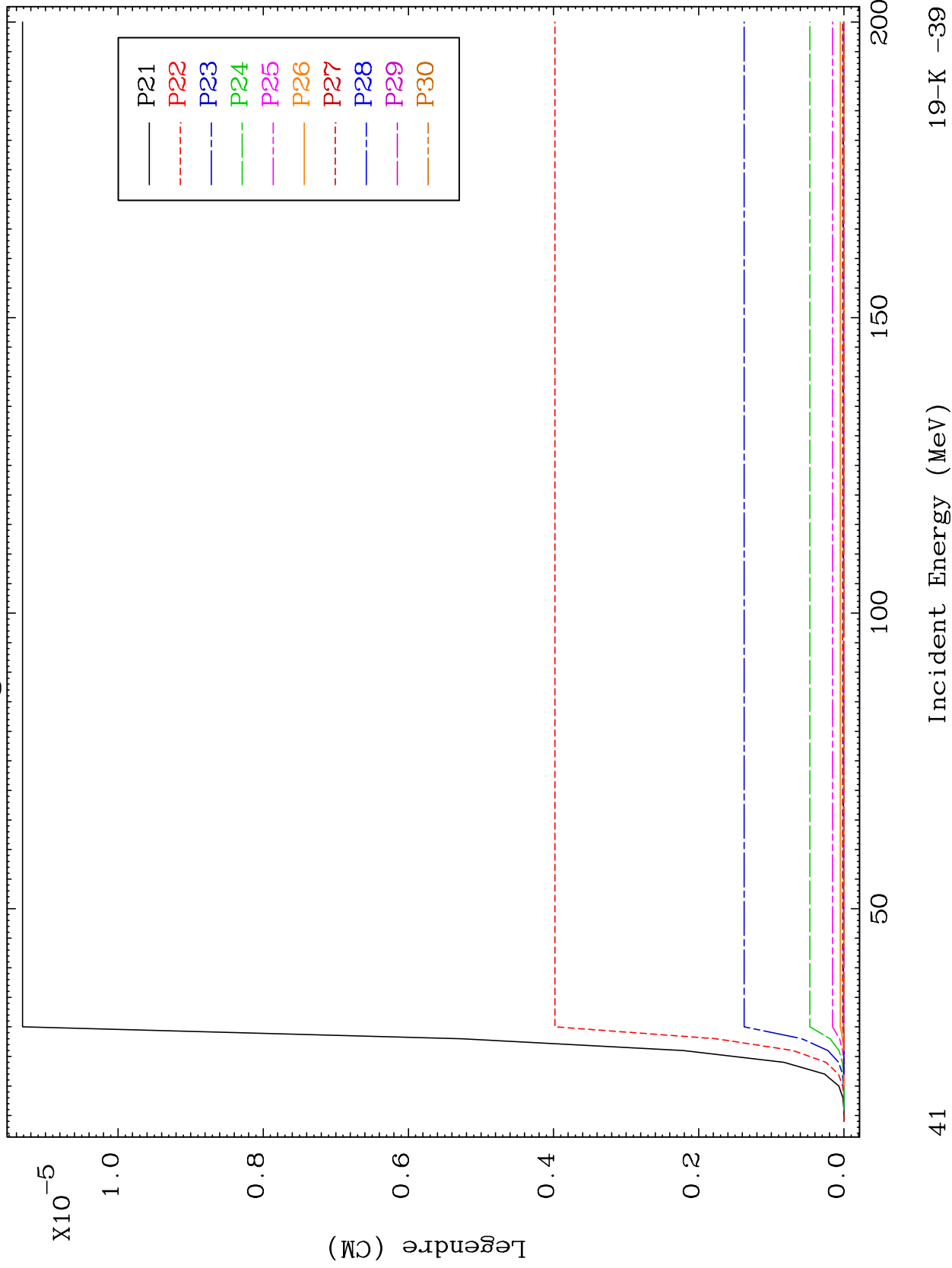
Incident Energy (MeV)

19-K -39

MAT 1925

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

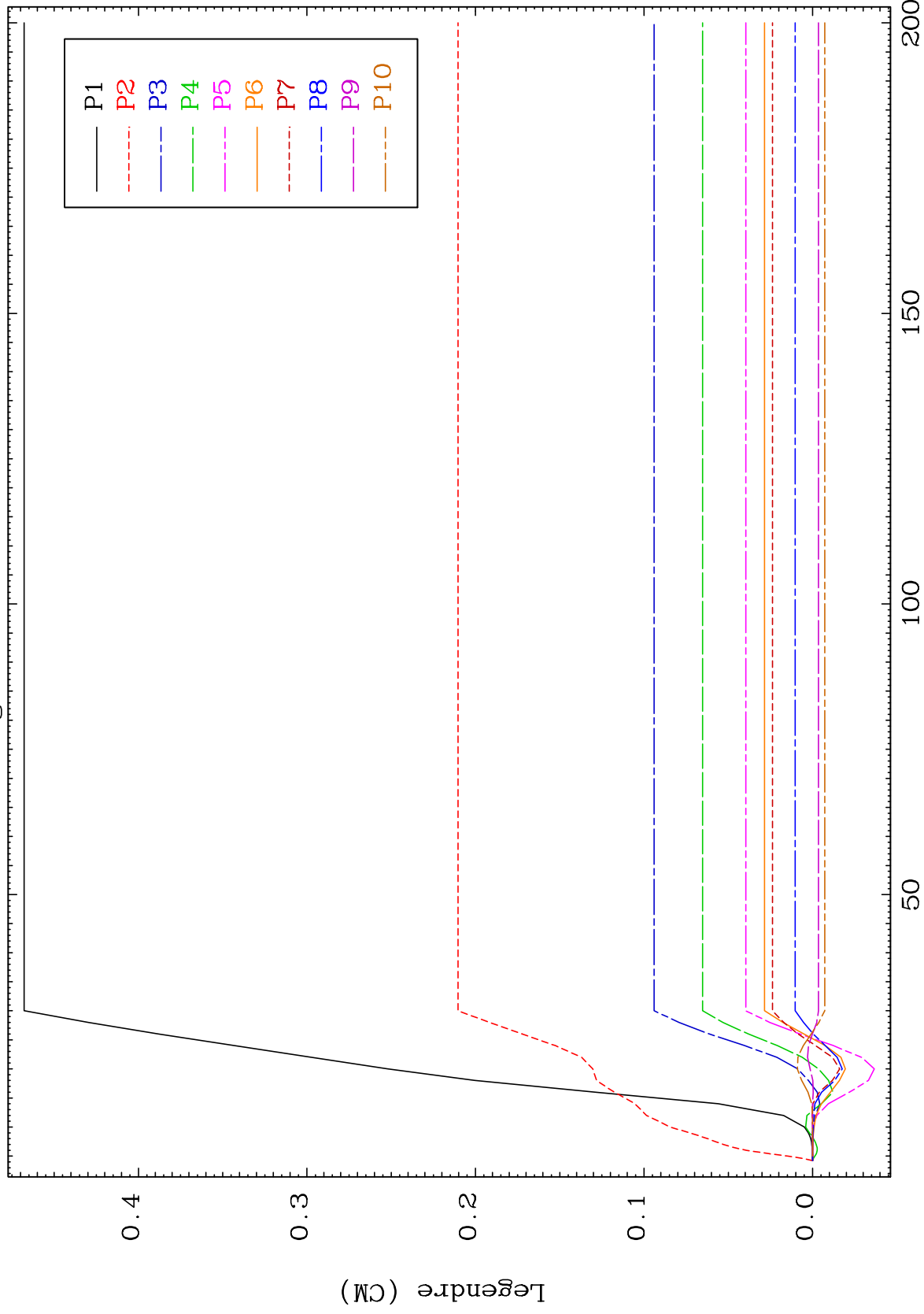
19-K -39



MAT 1925

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

19-K -39



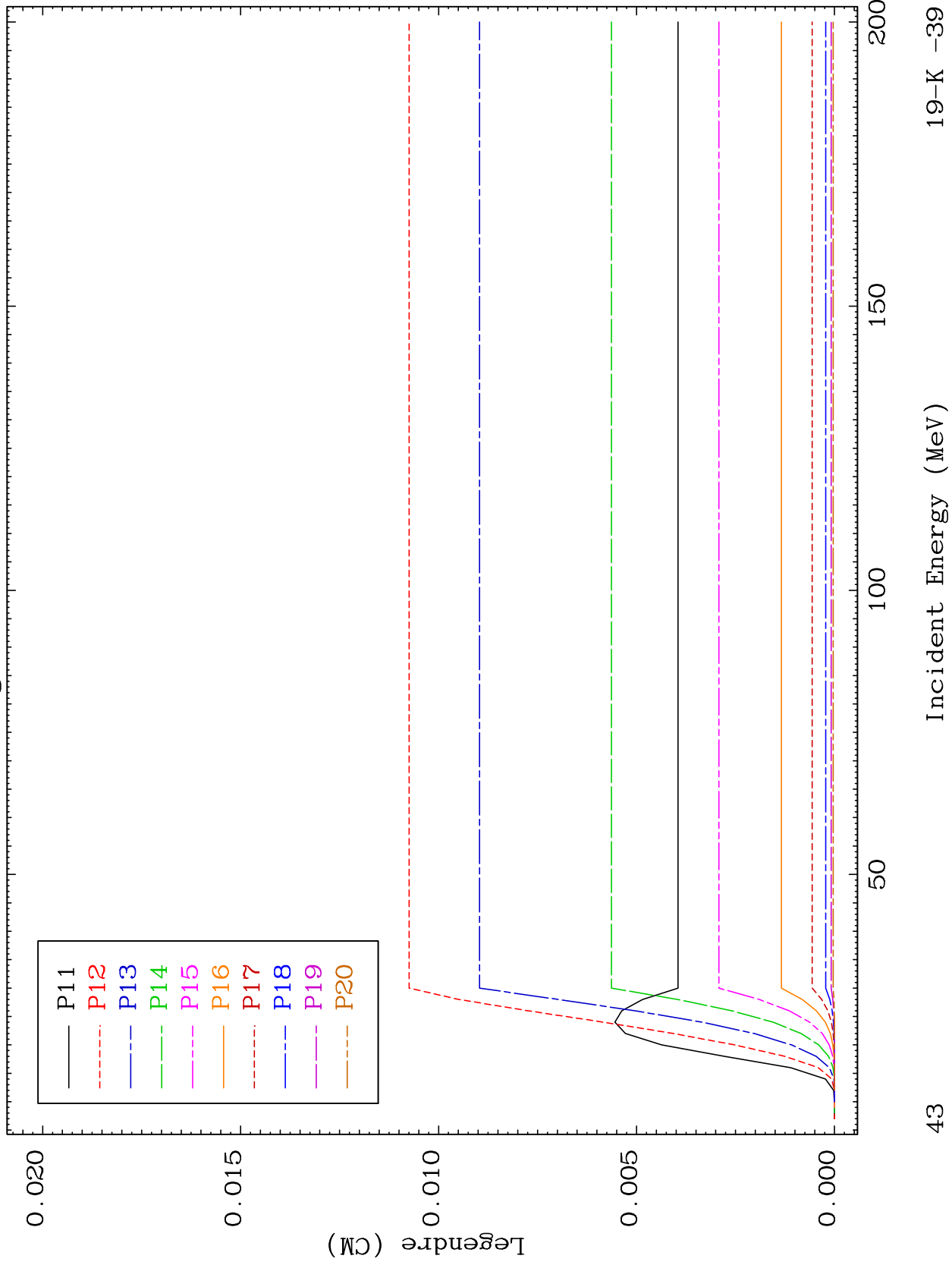
42

19-K -39

MAT 1925

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

19-K -39



43

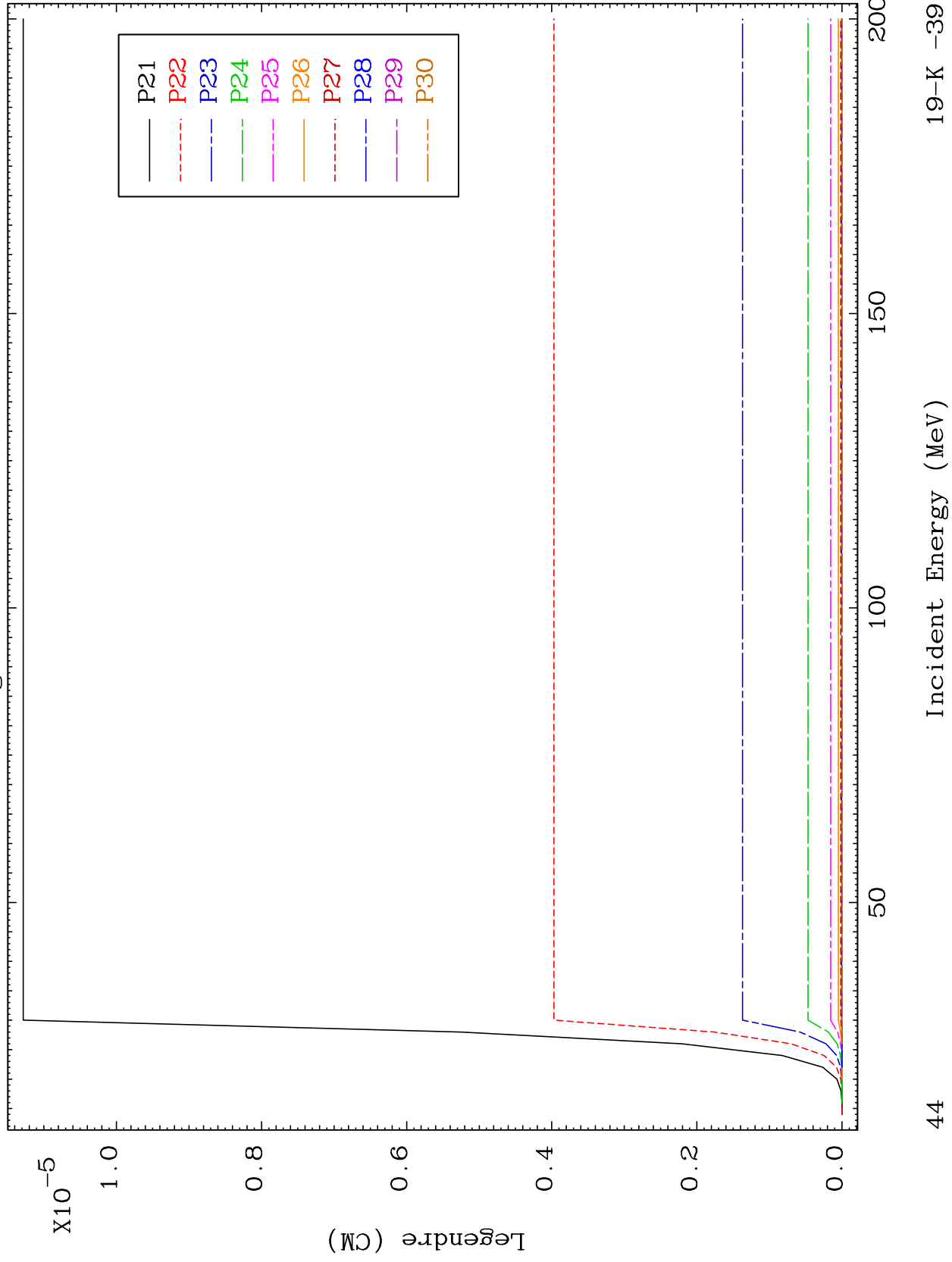
Incident Energy (MeV)

19-K -39

MAT 1925

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

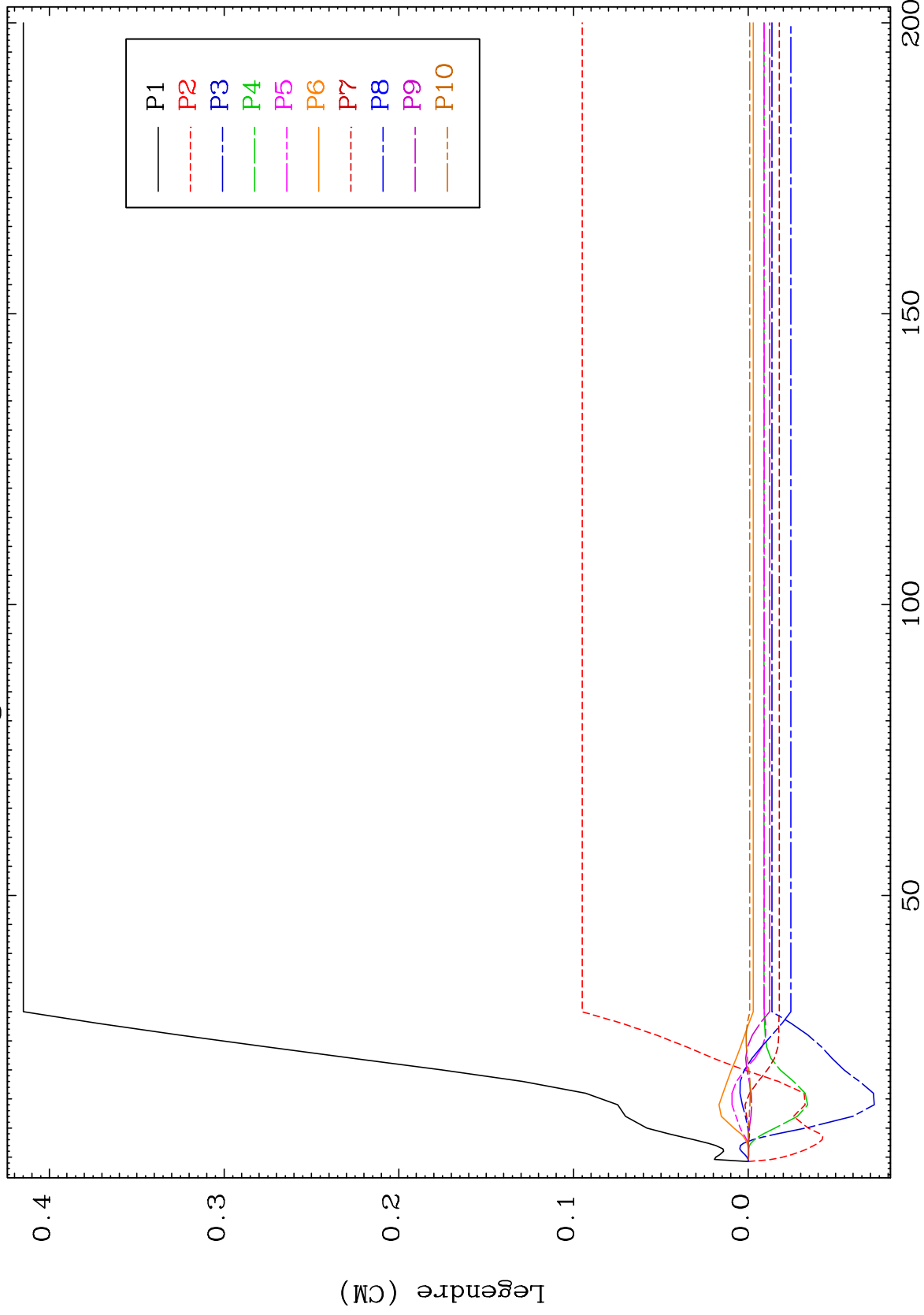
19-K -39



MAT 1925

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

19-K -39



45

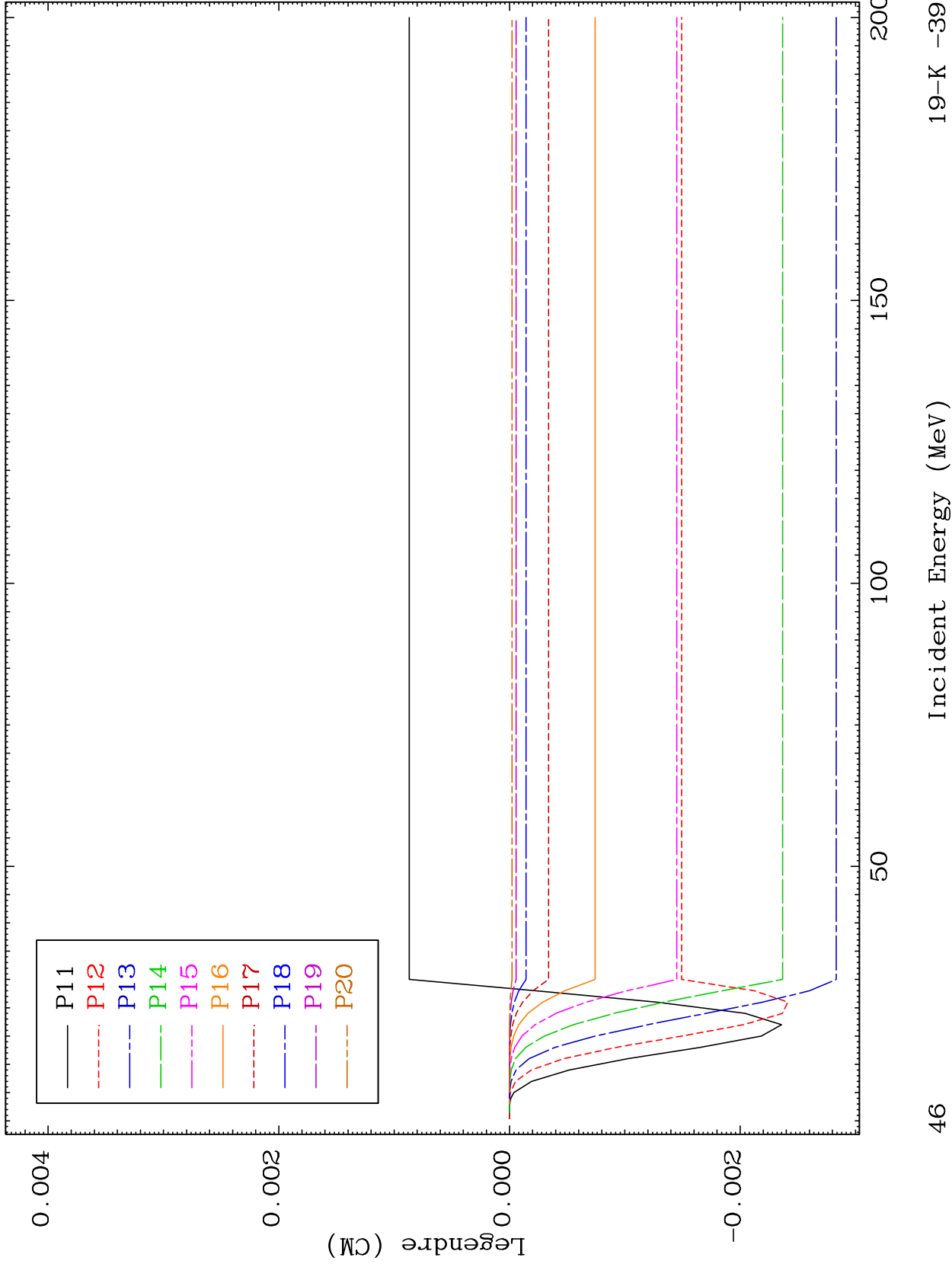
Incident Energy (MeV)

19-K -39

MAT 1925

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

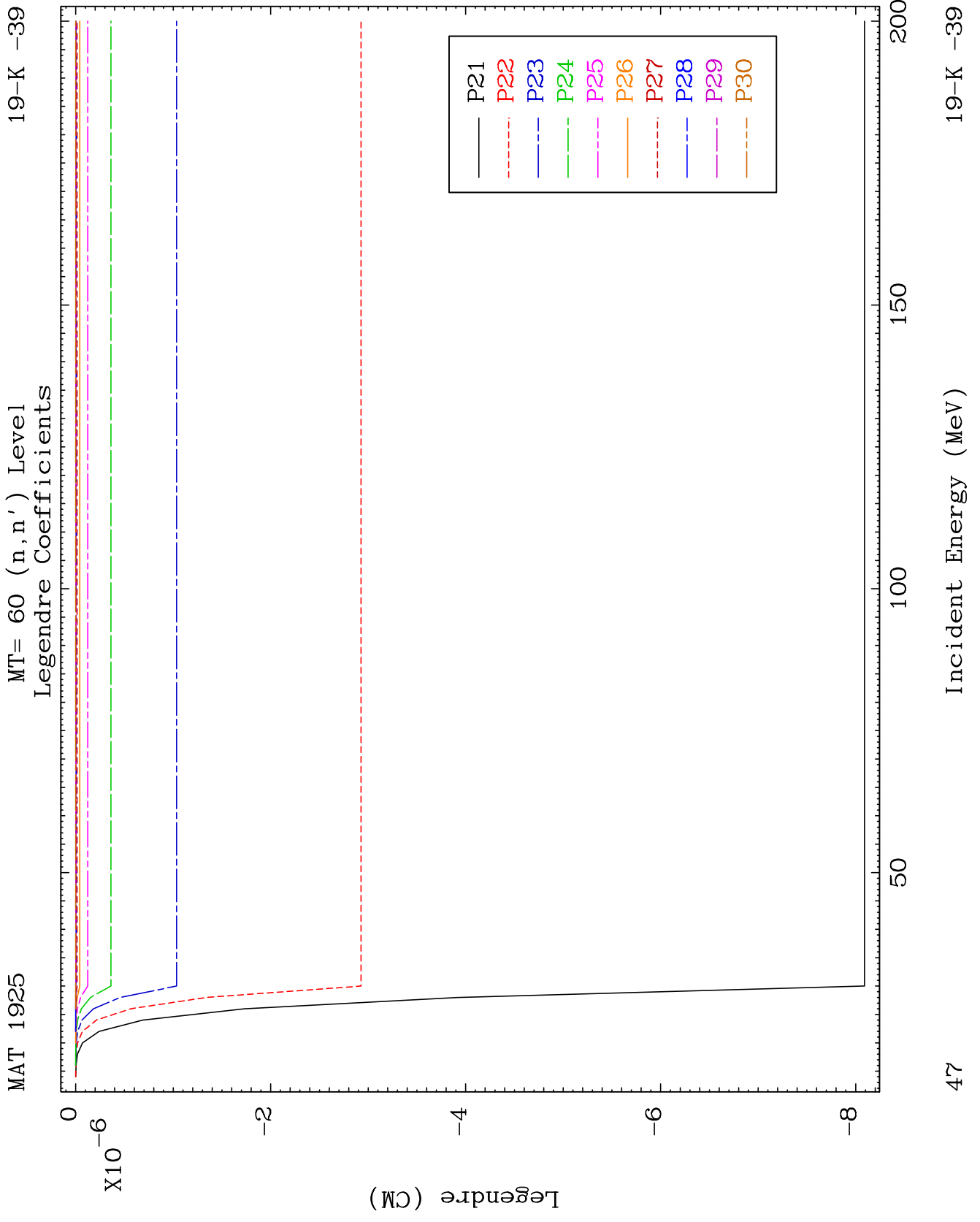
19-K -39

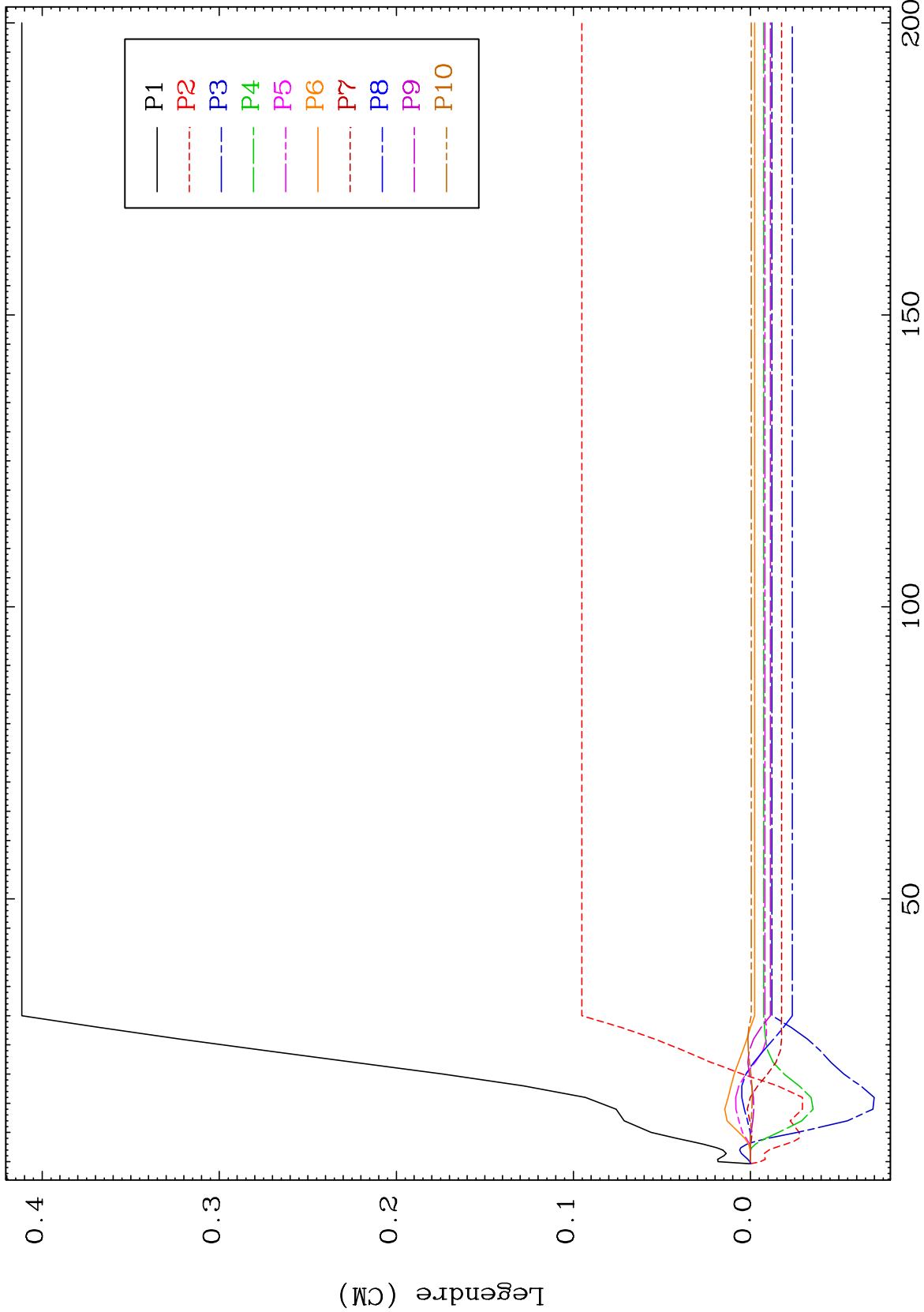


46

Incident Energy (MeV)

19-K -39

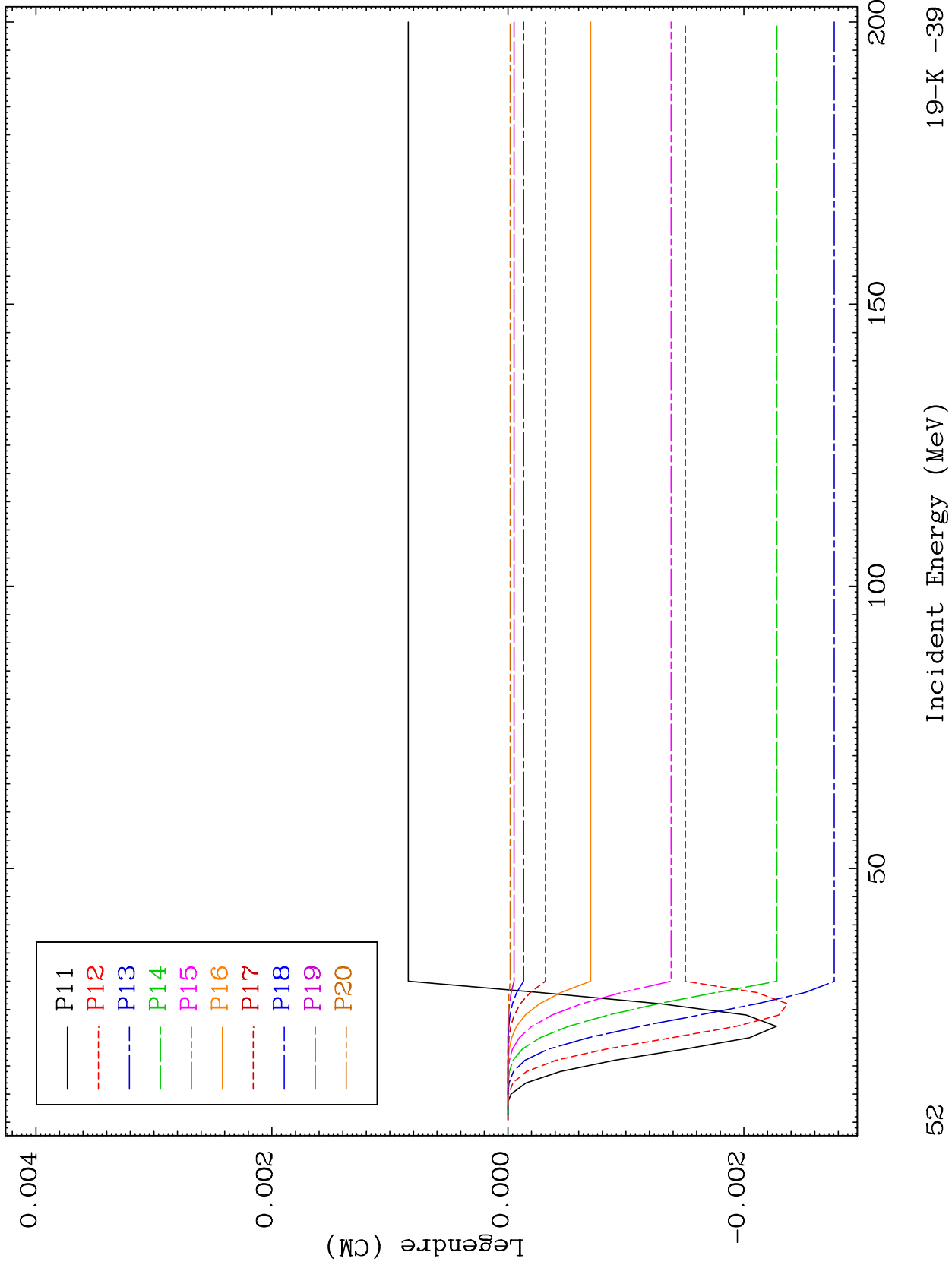




MAT 1925

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

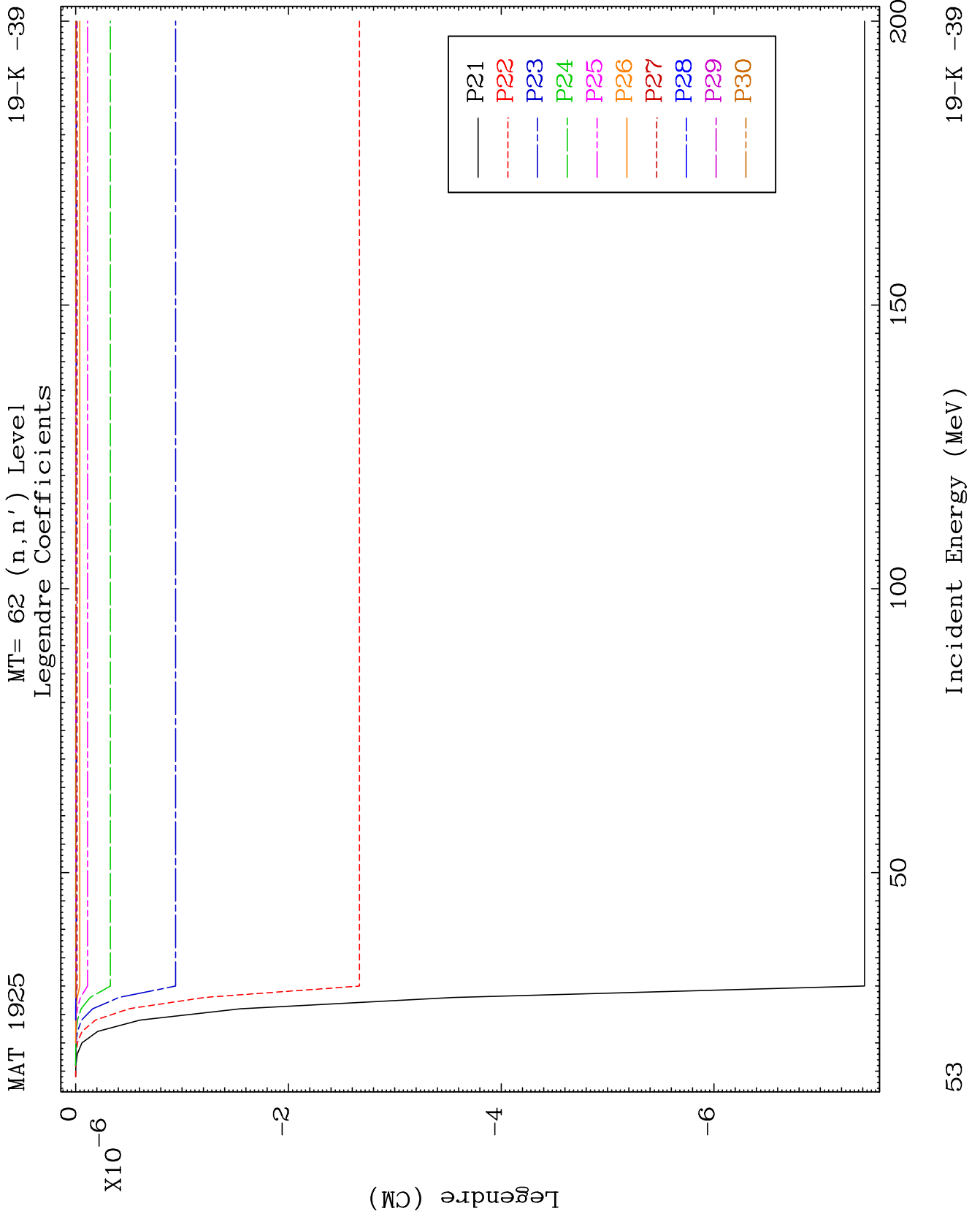
19-K -39



52

Incident Energy (MeV)

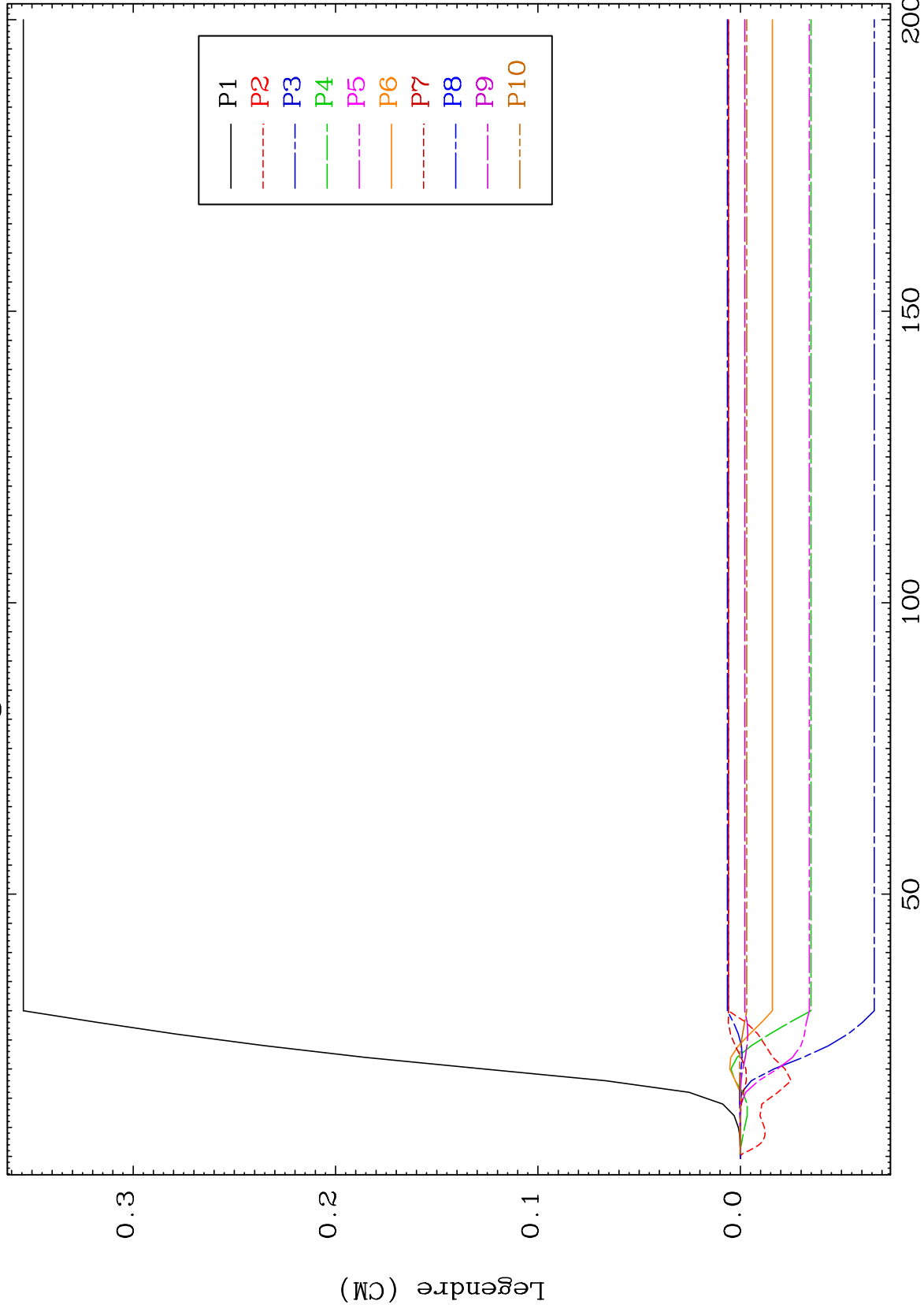
19-K -39



MAT 1925

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

19-K -39



54

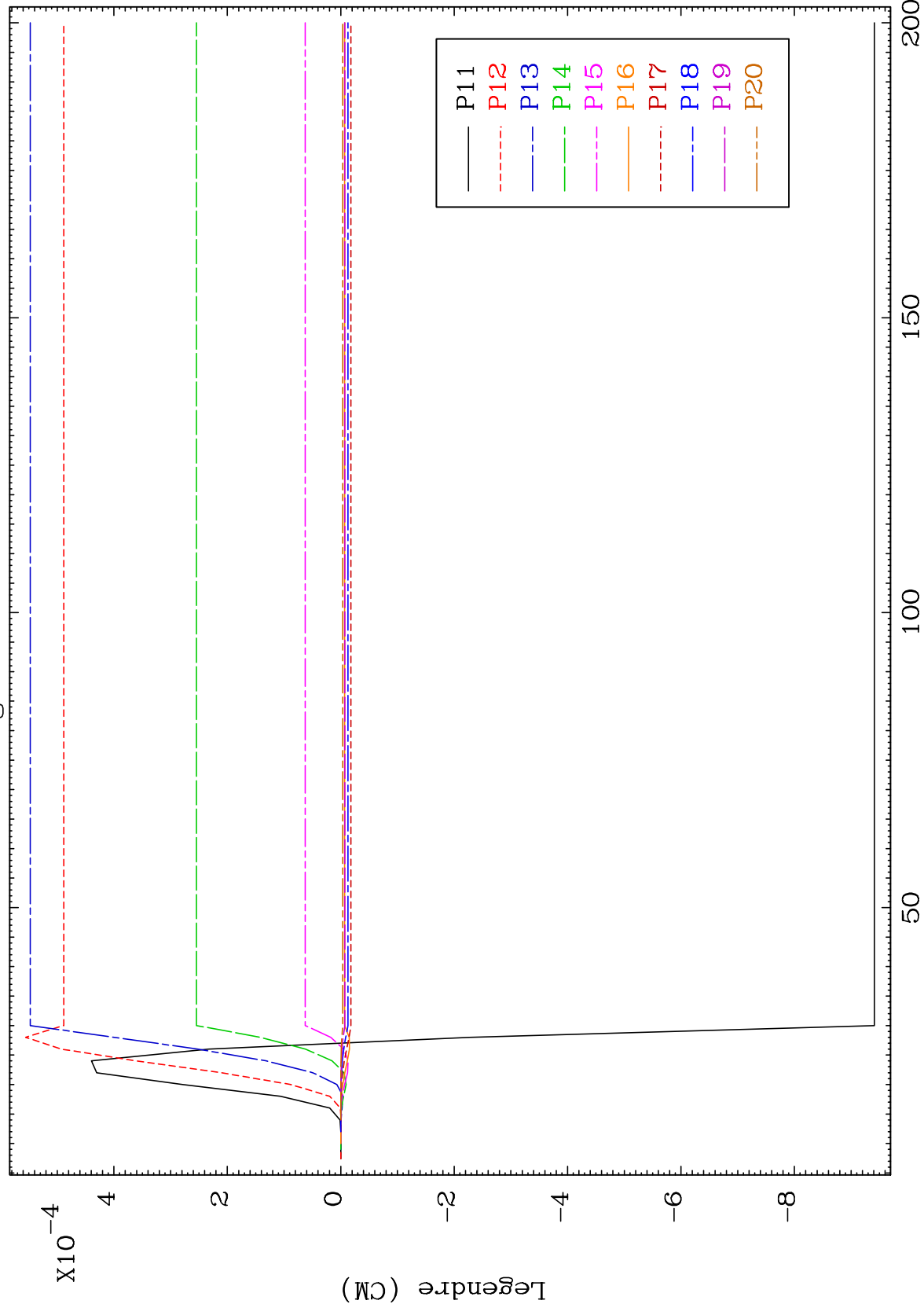
Incident Energy (MeV)

19-K -39

MAT 1925

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

19-K -39



55

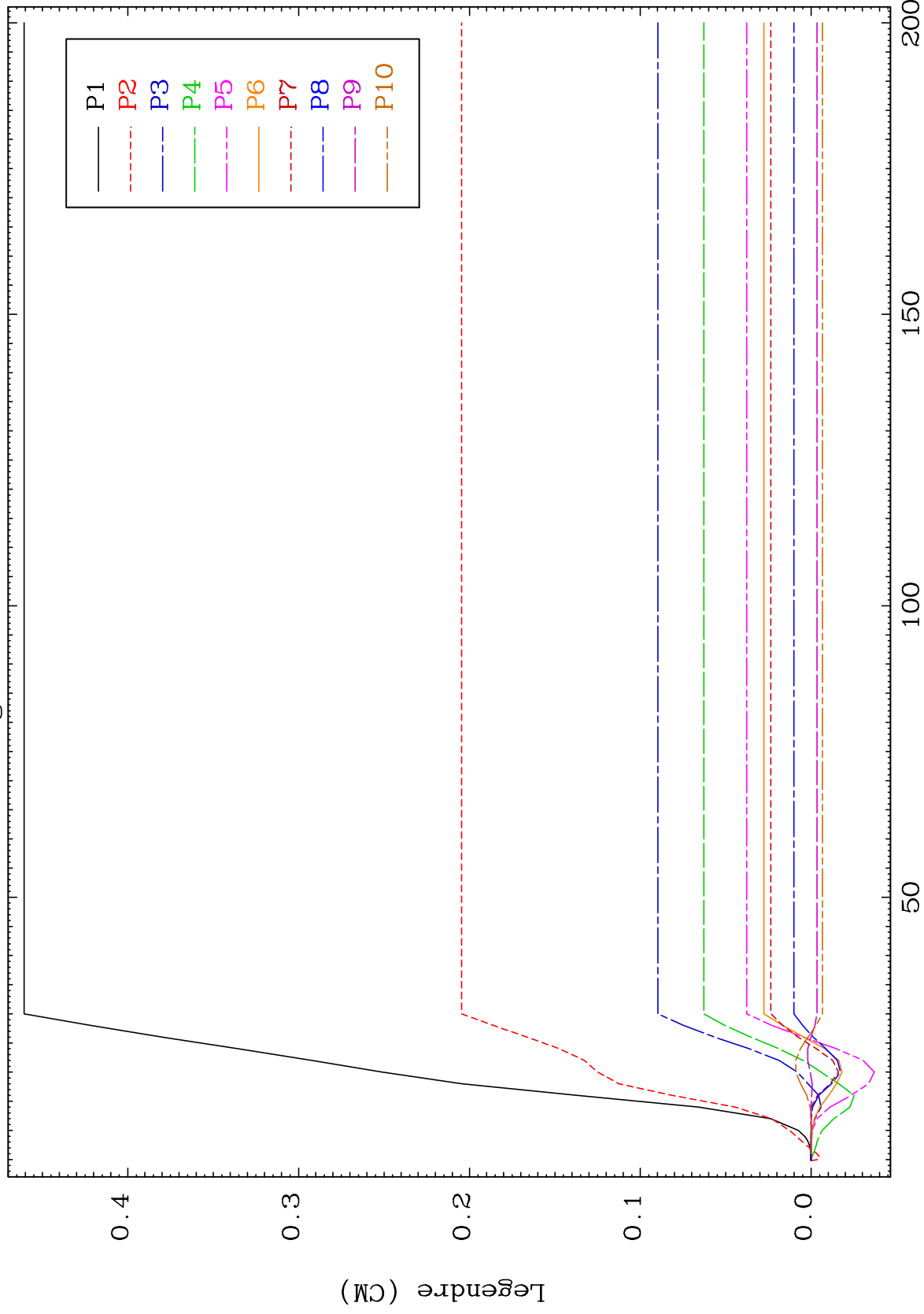
Incident Energy (MeV)

19-K -39

MAT 1925

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

19-K -39



57

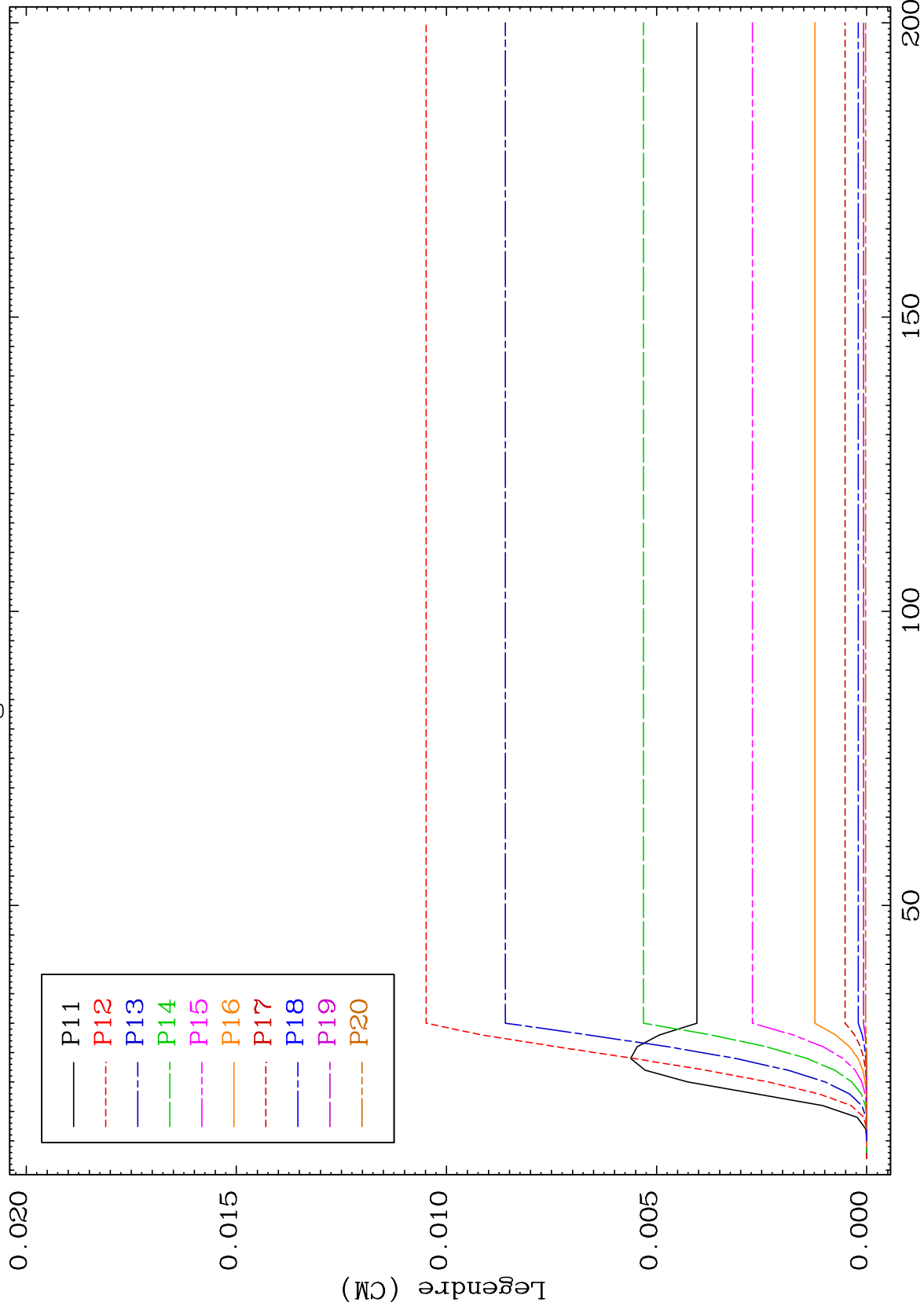
Incident Energy (MeV)

19-K -39

MAT 1925

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

19-K -39



58

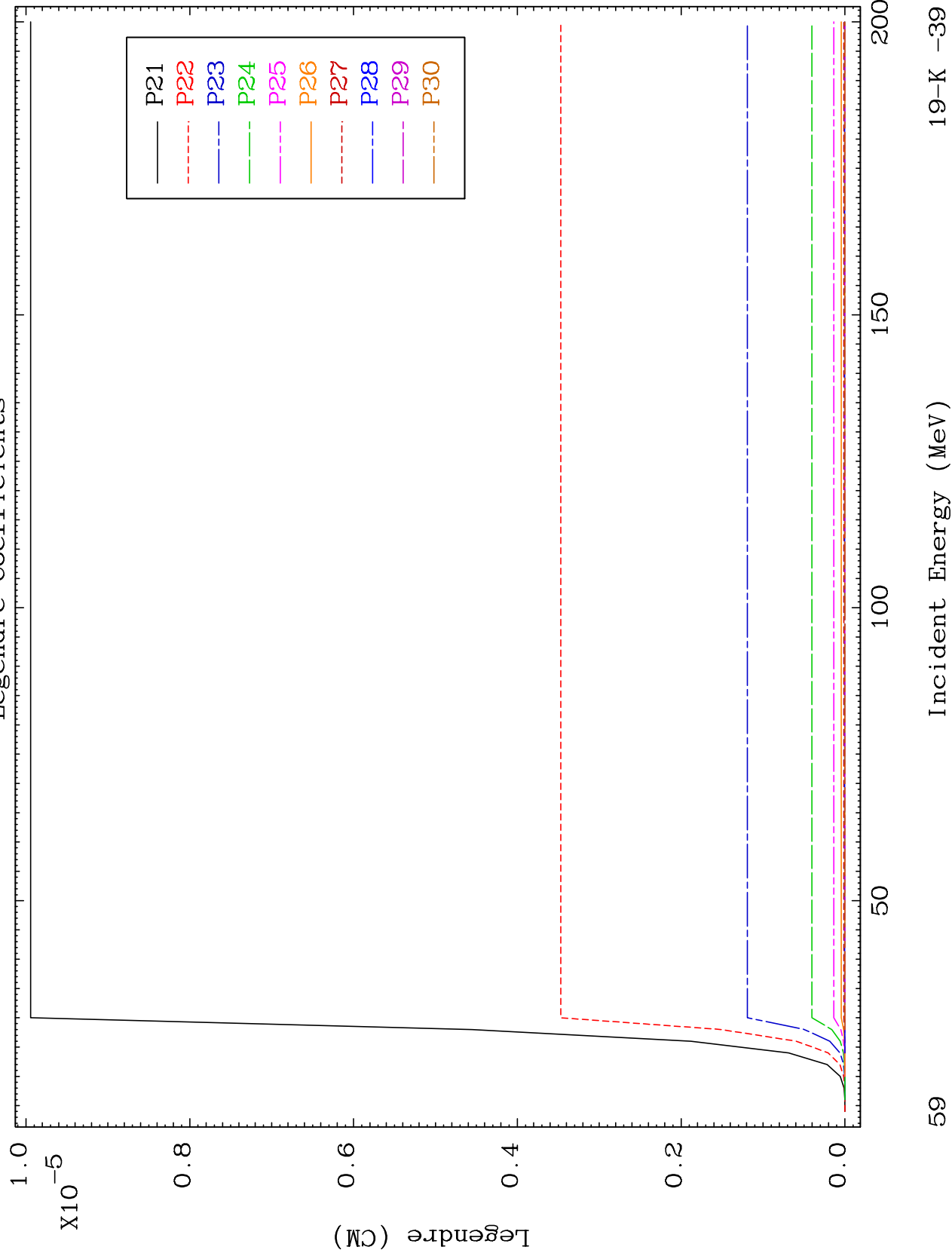
Incident Energy (MeV)

19-K -39

MAT 1925

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

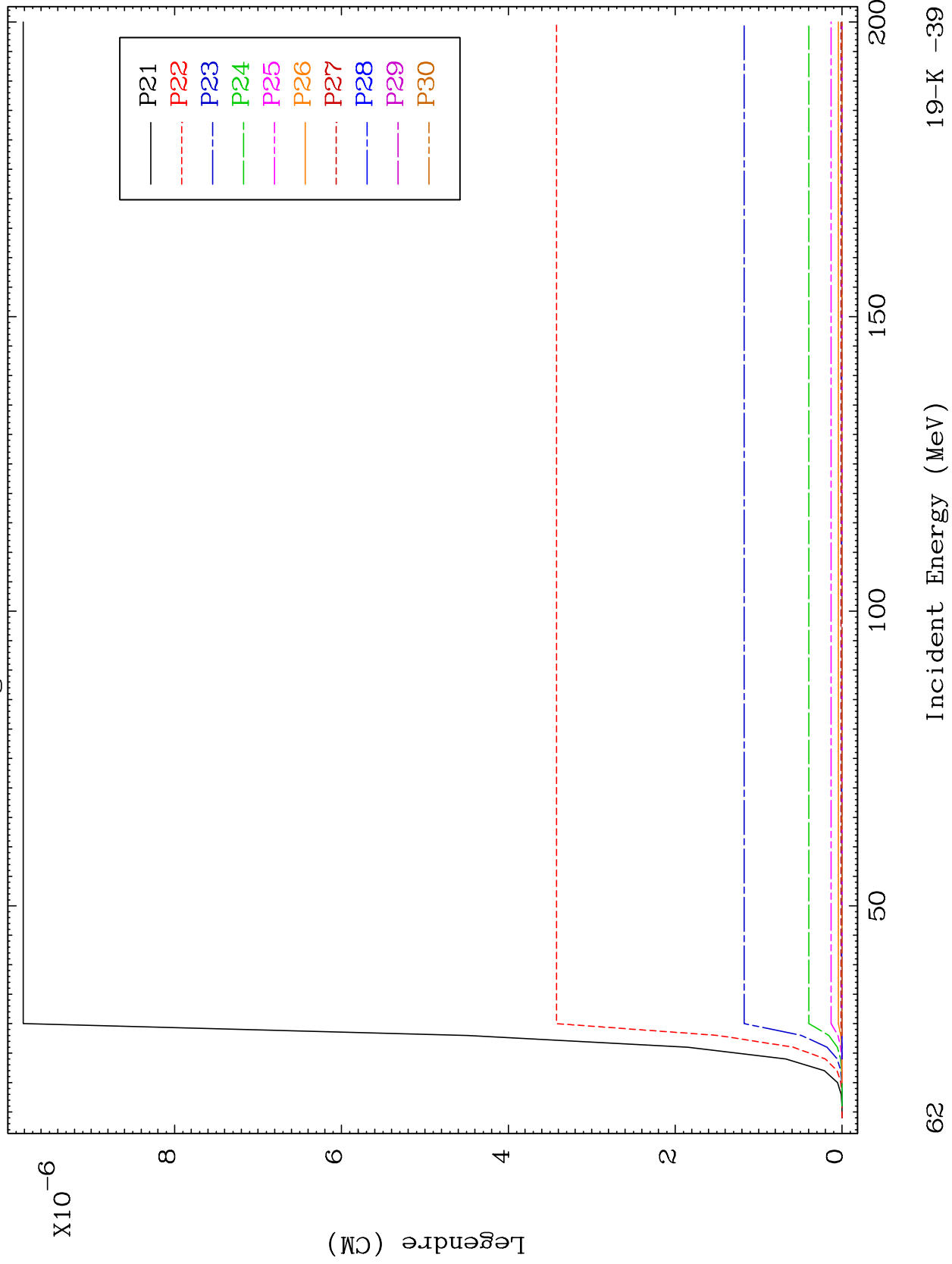
19-K -39



MAT 1925

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

19-K -39



62

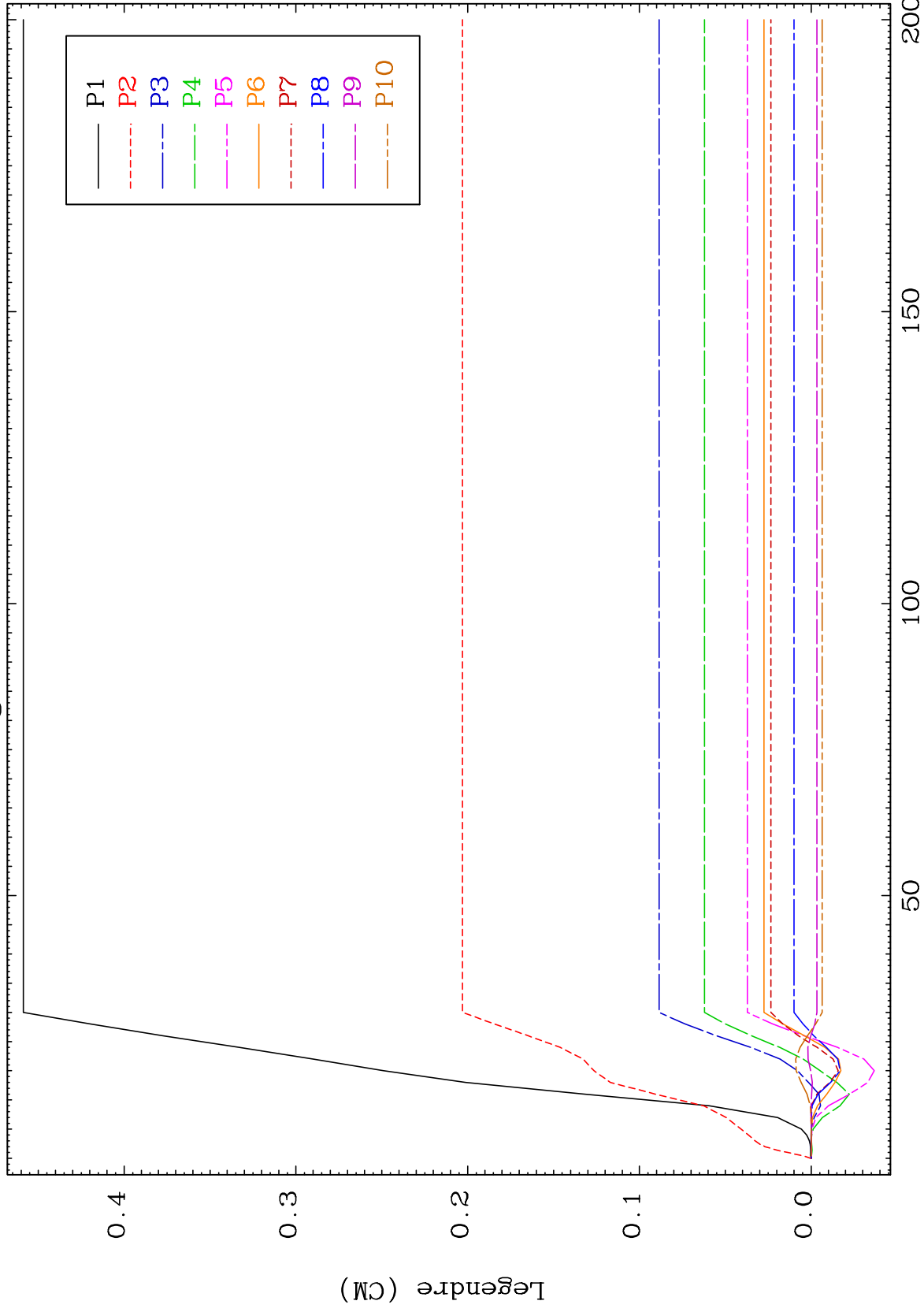
Incident Energy (MeV)

19-K -39

MAT 1925

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

19-K -39



63

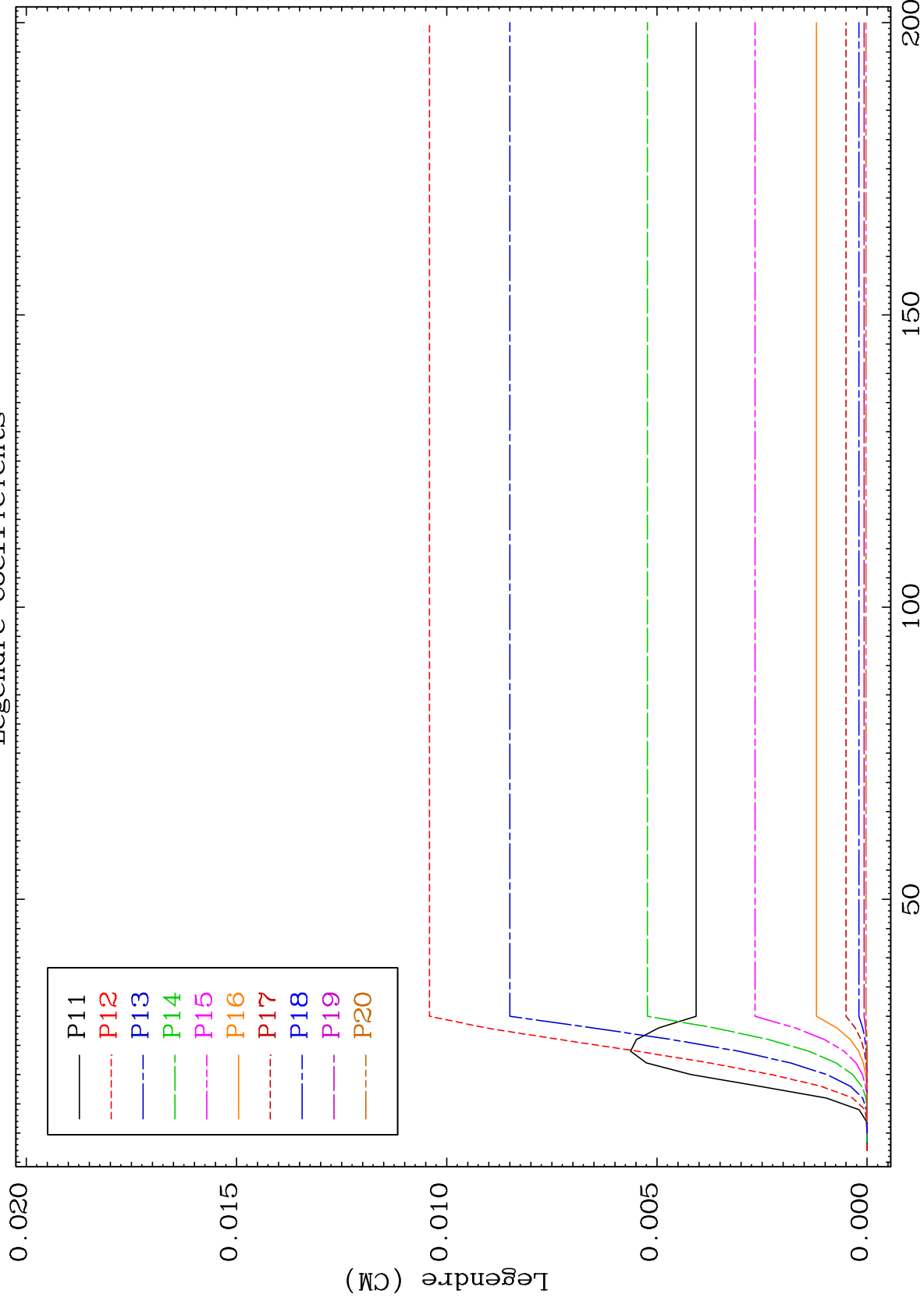
Incident Energy (MeV)

19-K -39

MAT 1925

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

19-K -39



64

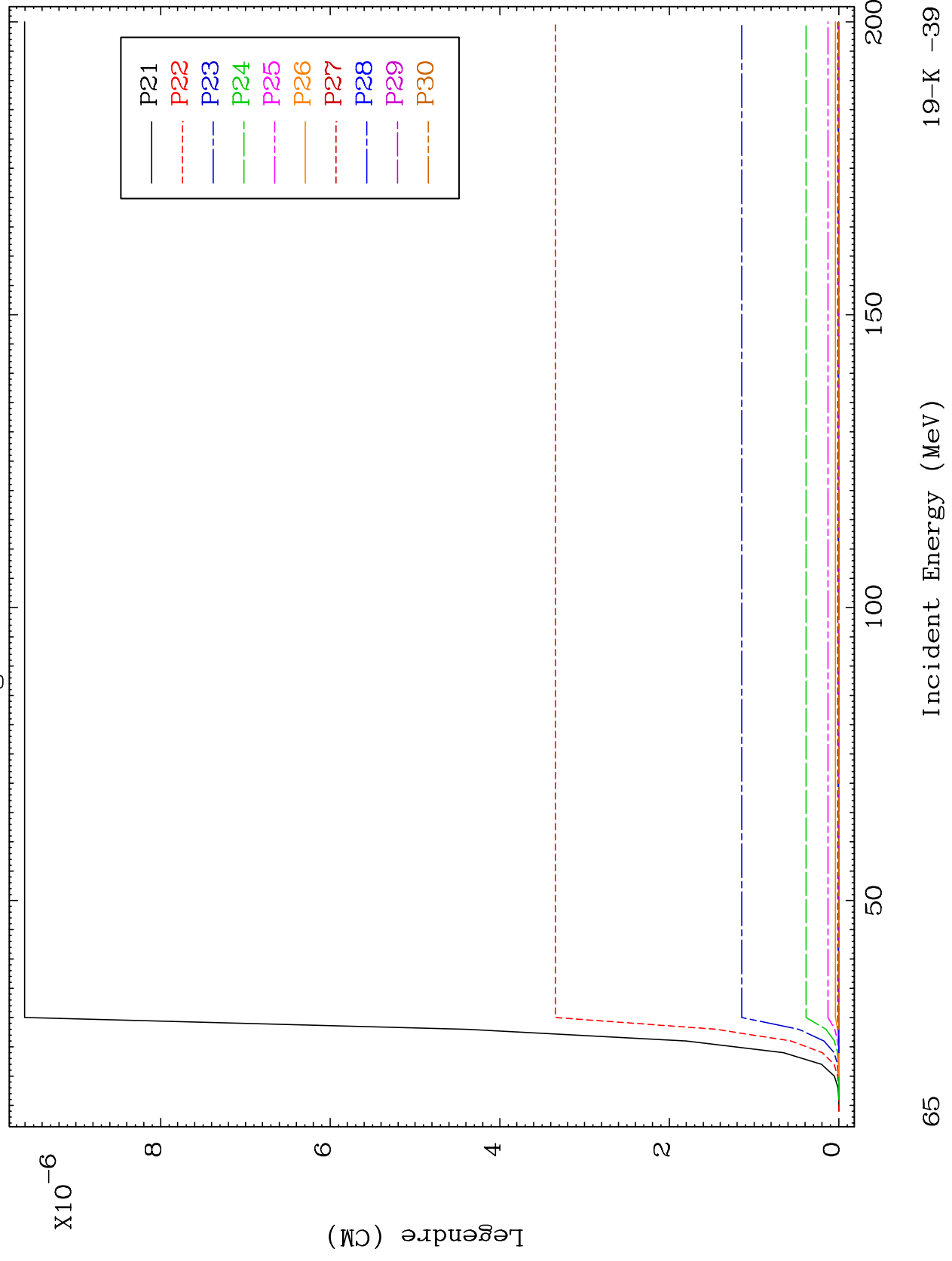
Incident Energy (MeV)

19-K -39

MAT 1925

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

19-K -39

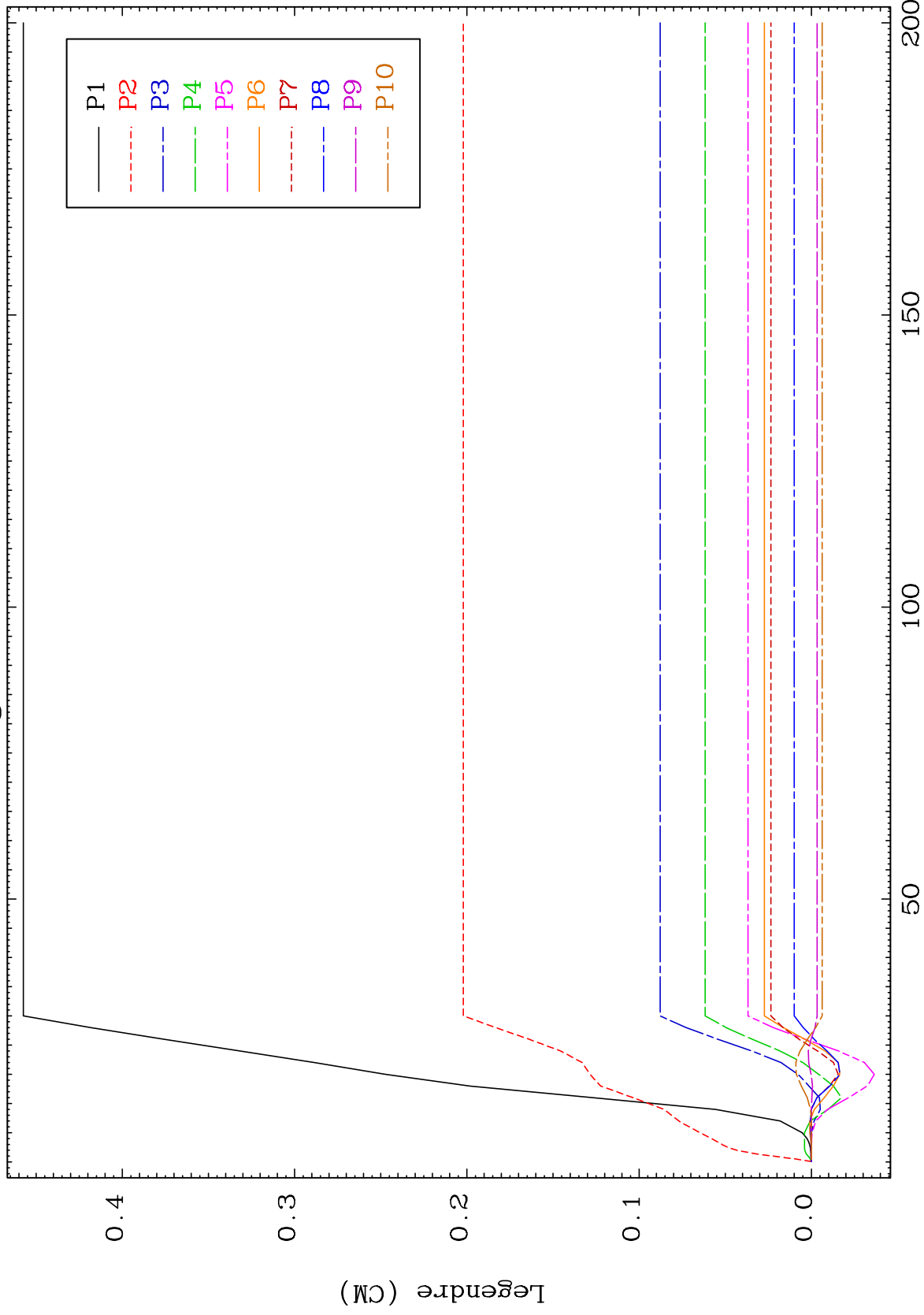


65

MAT 1925

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

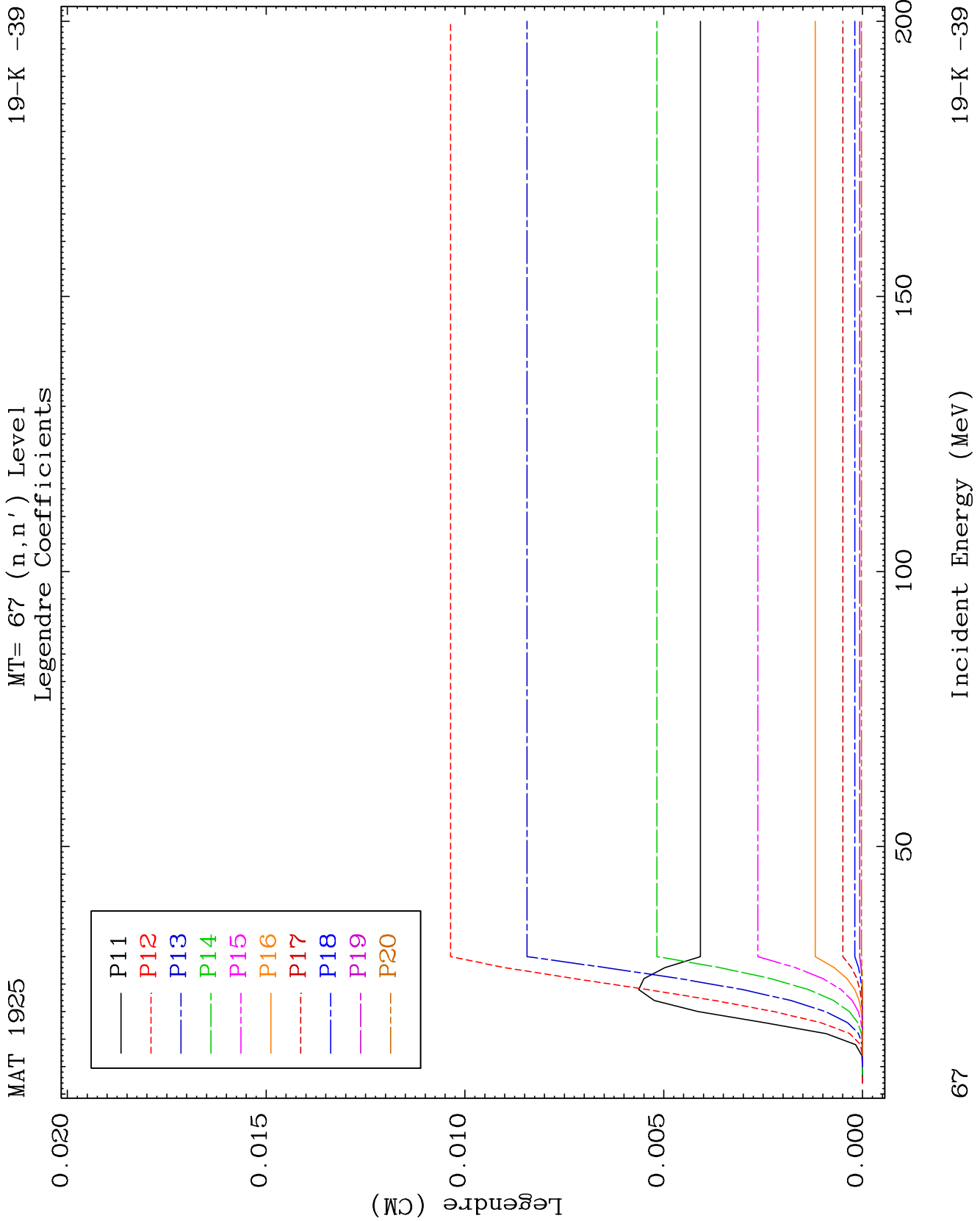
19-K -39



66

Incident Energy (MeV)

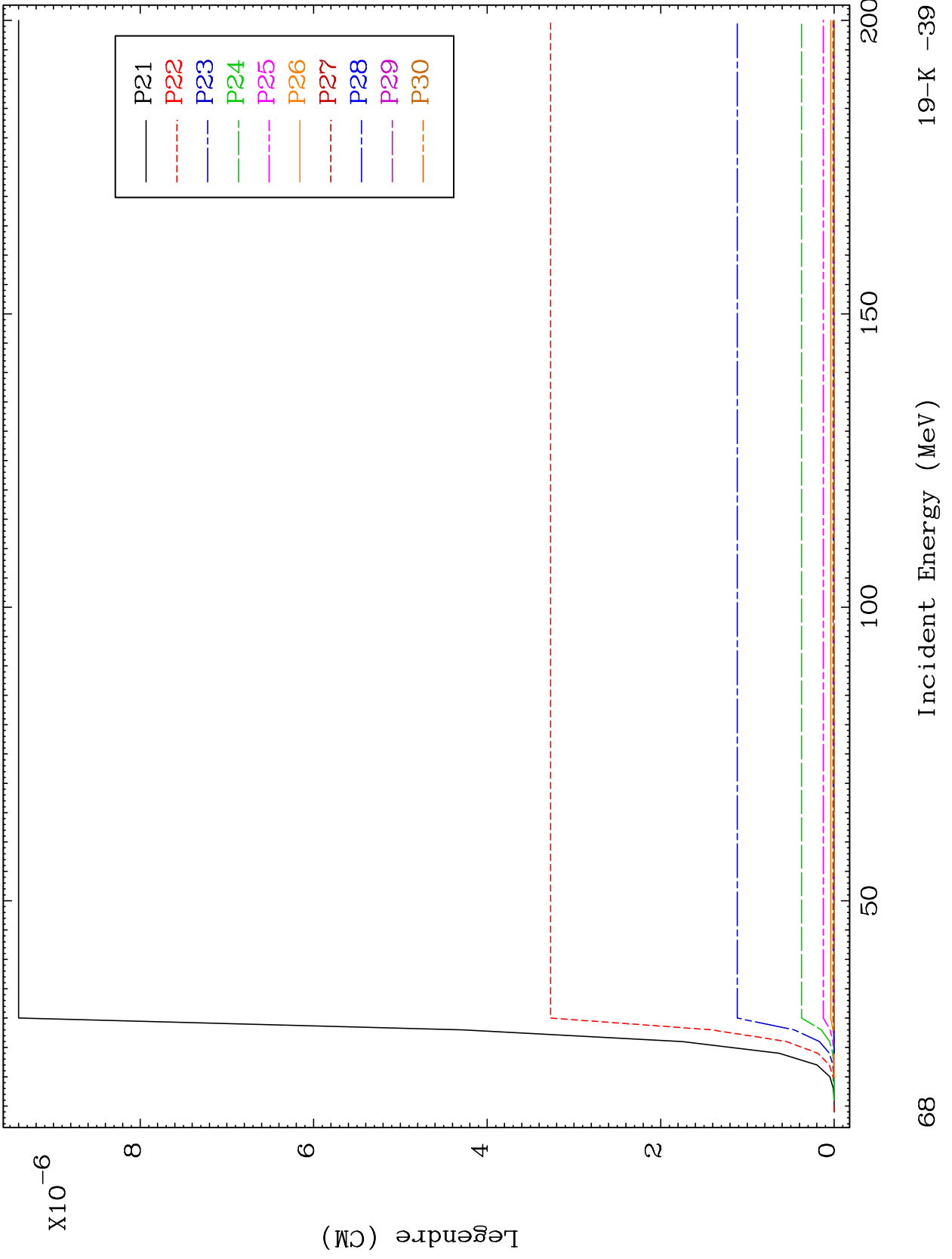
19-K -39



MAT 1925

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

19-K -39

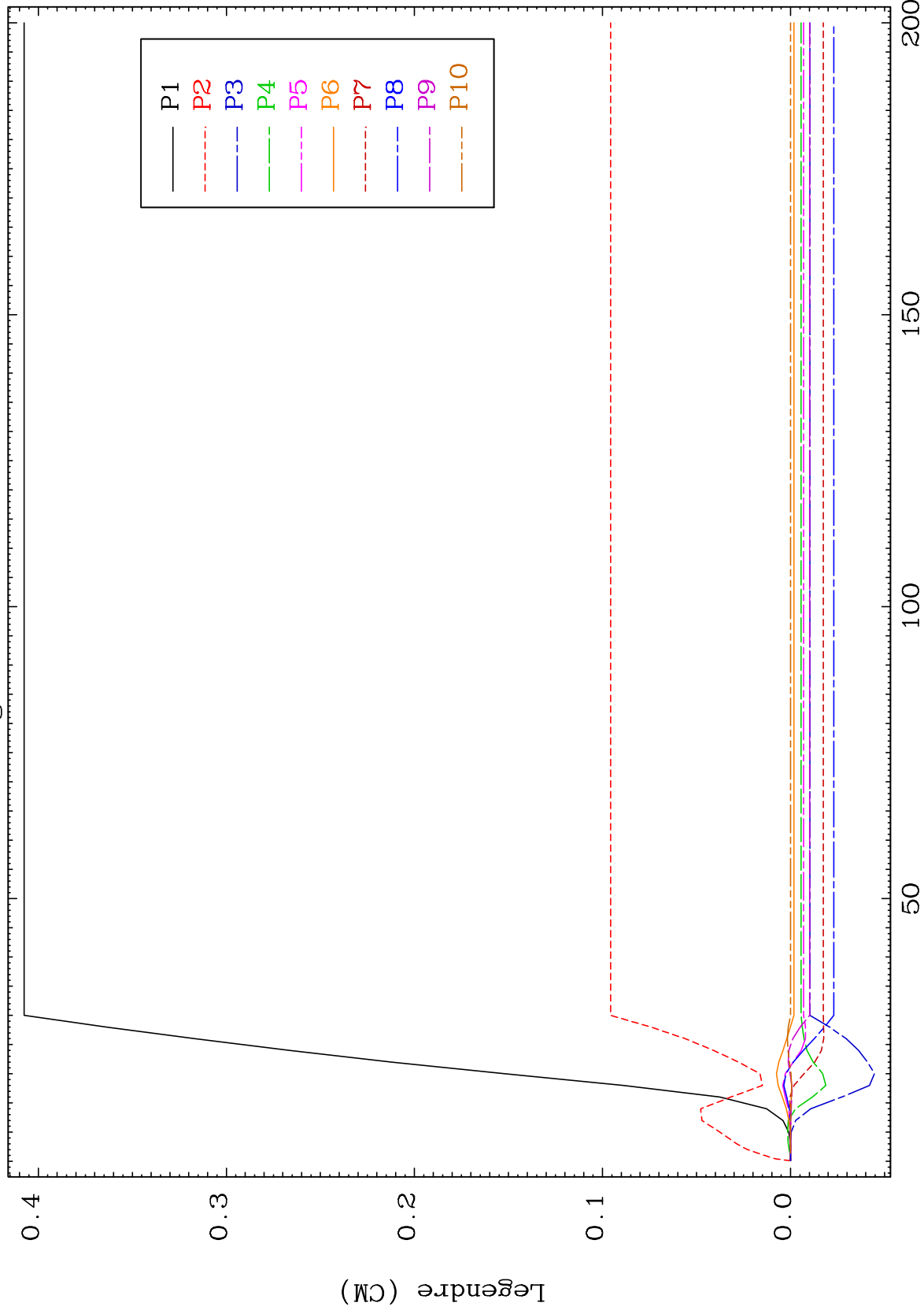


68

MAT 1925

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

19-K -39



69

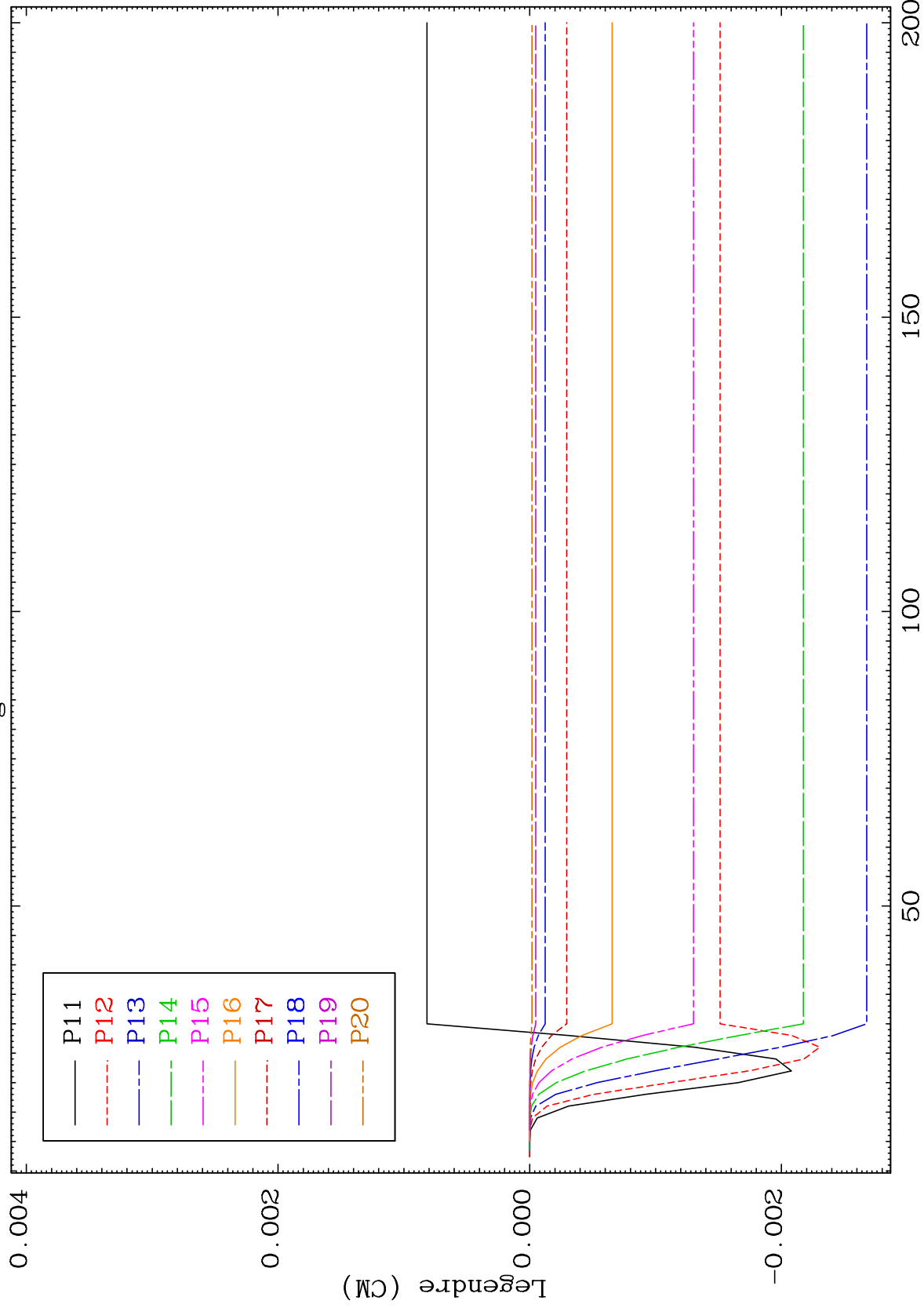
Incident Energy (MeV)

19-K -39

MAT 1925

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

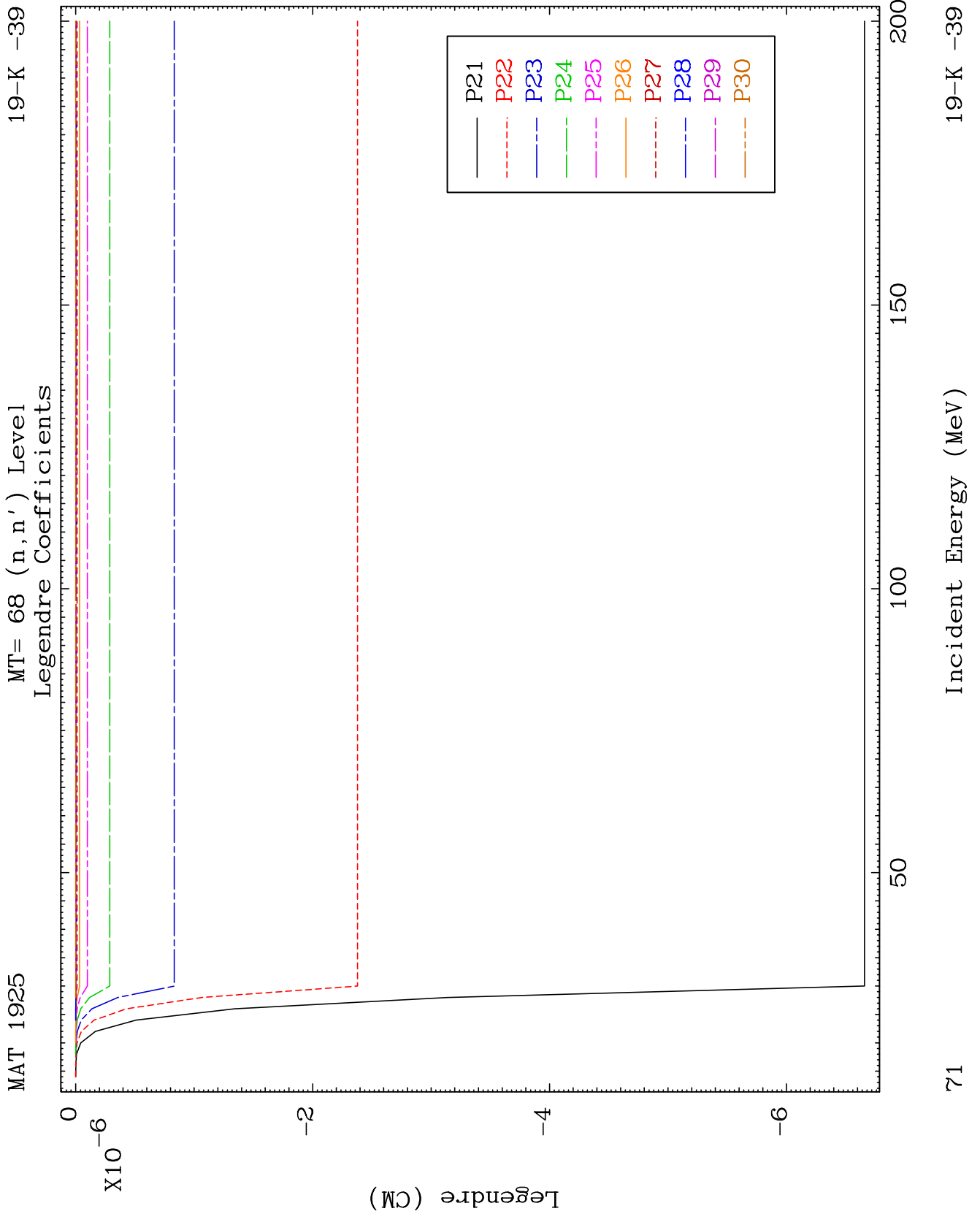
19-K -39



70

Incident Energy (MeV)

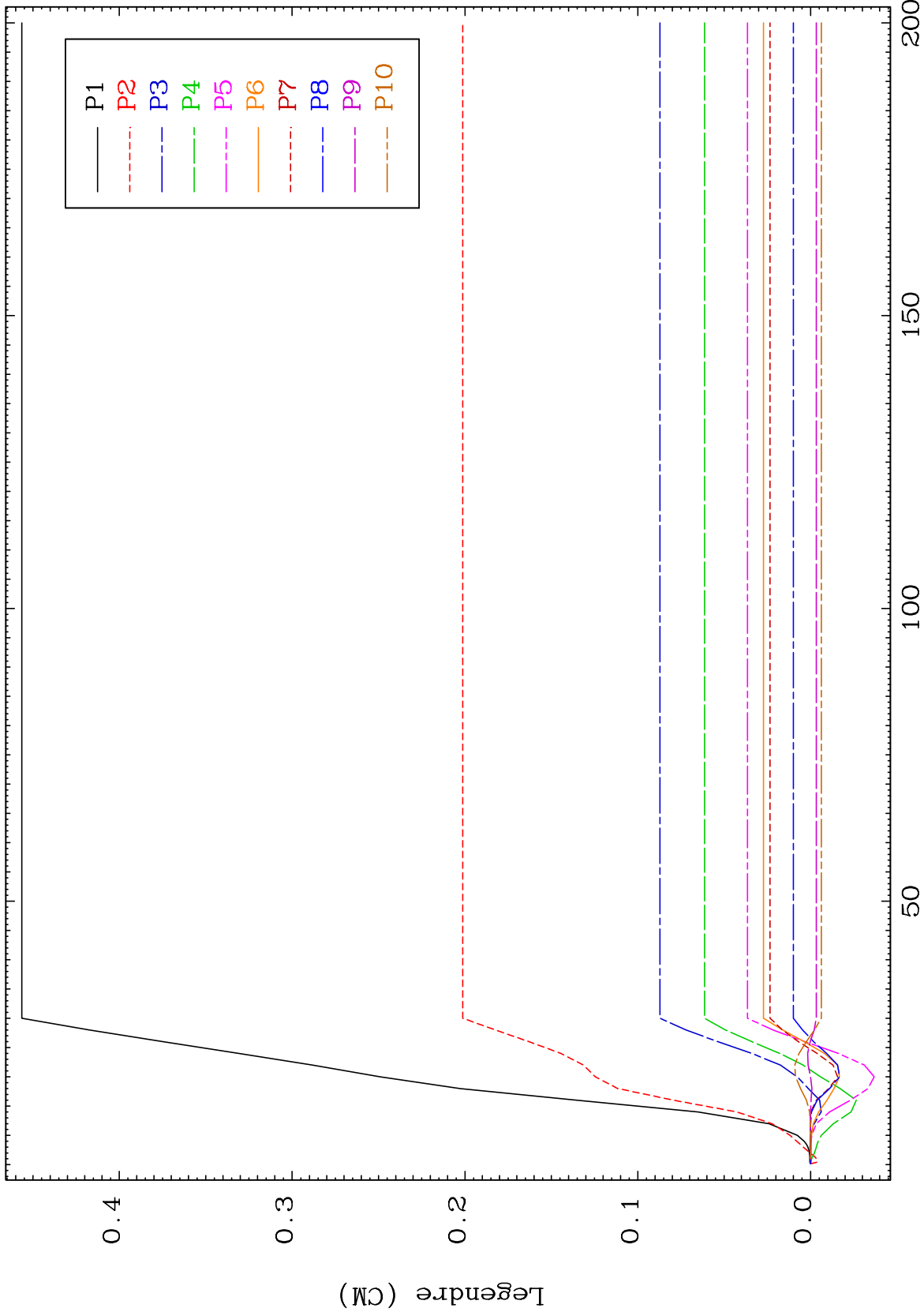
19-K -39



MAT 1925

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

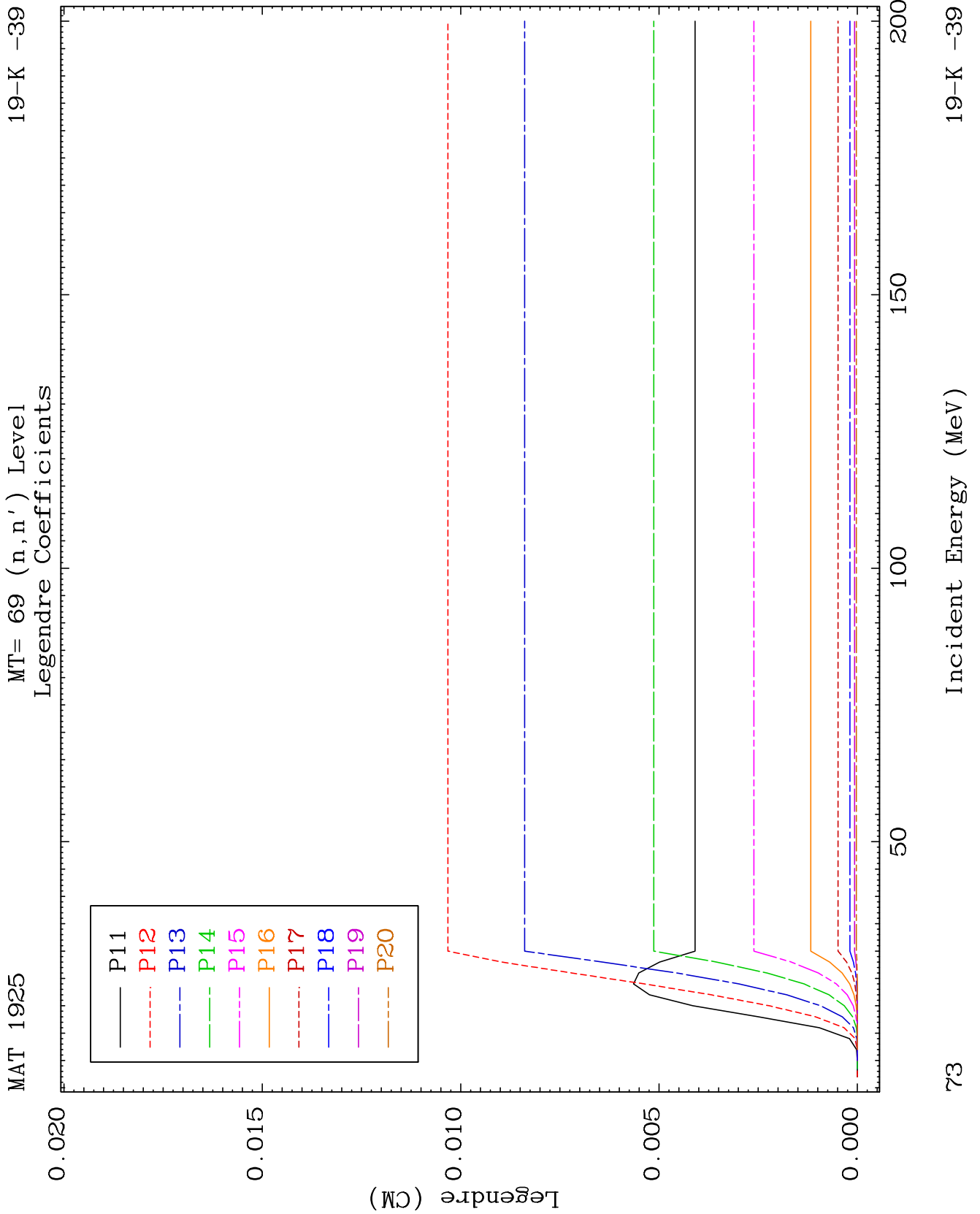
19-K -39



72

Incident Energy (MeV)

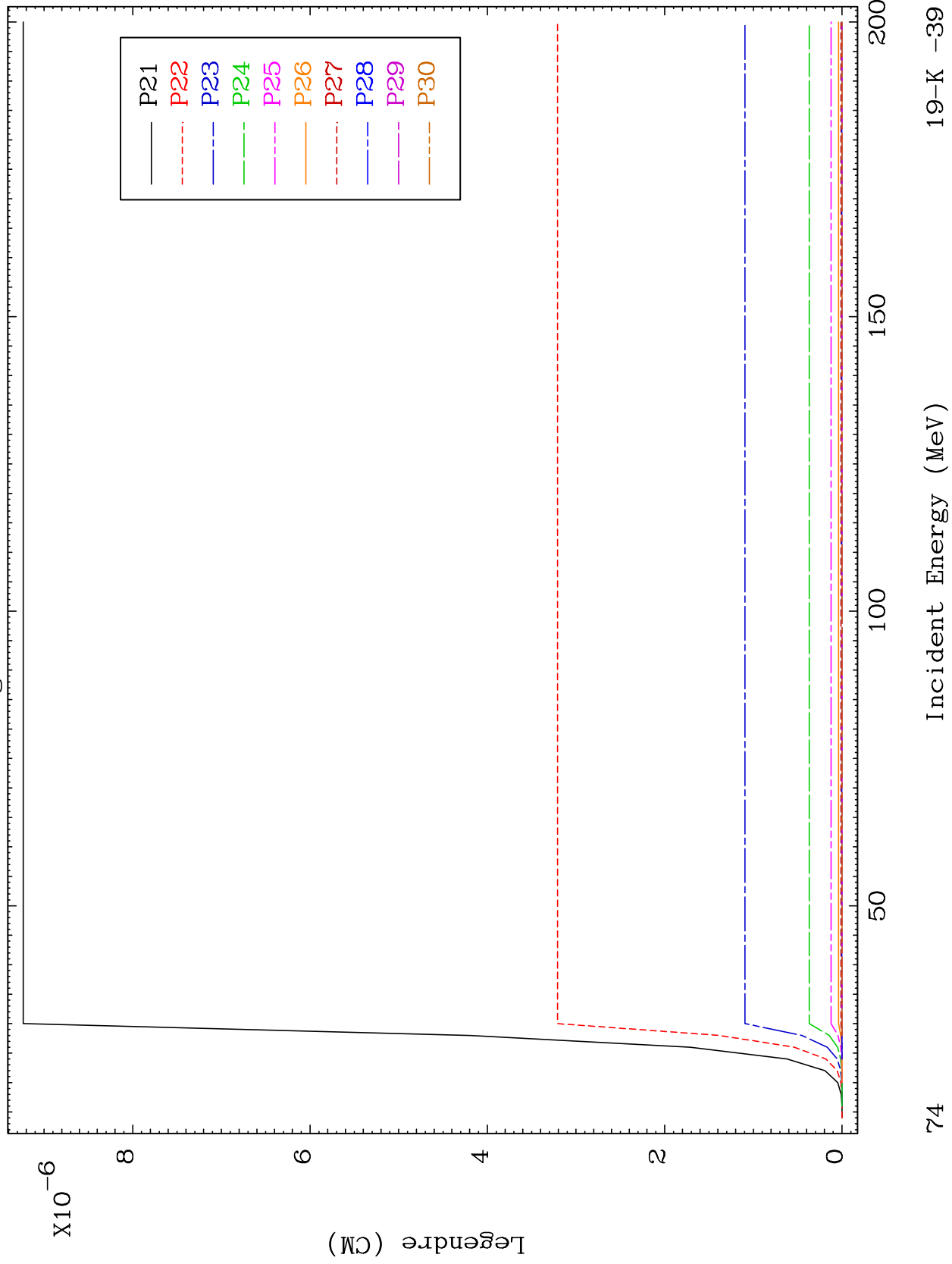
19-K -39



MAT 1925

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

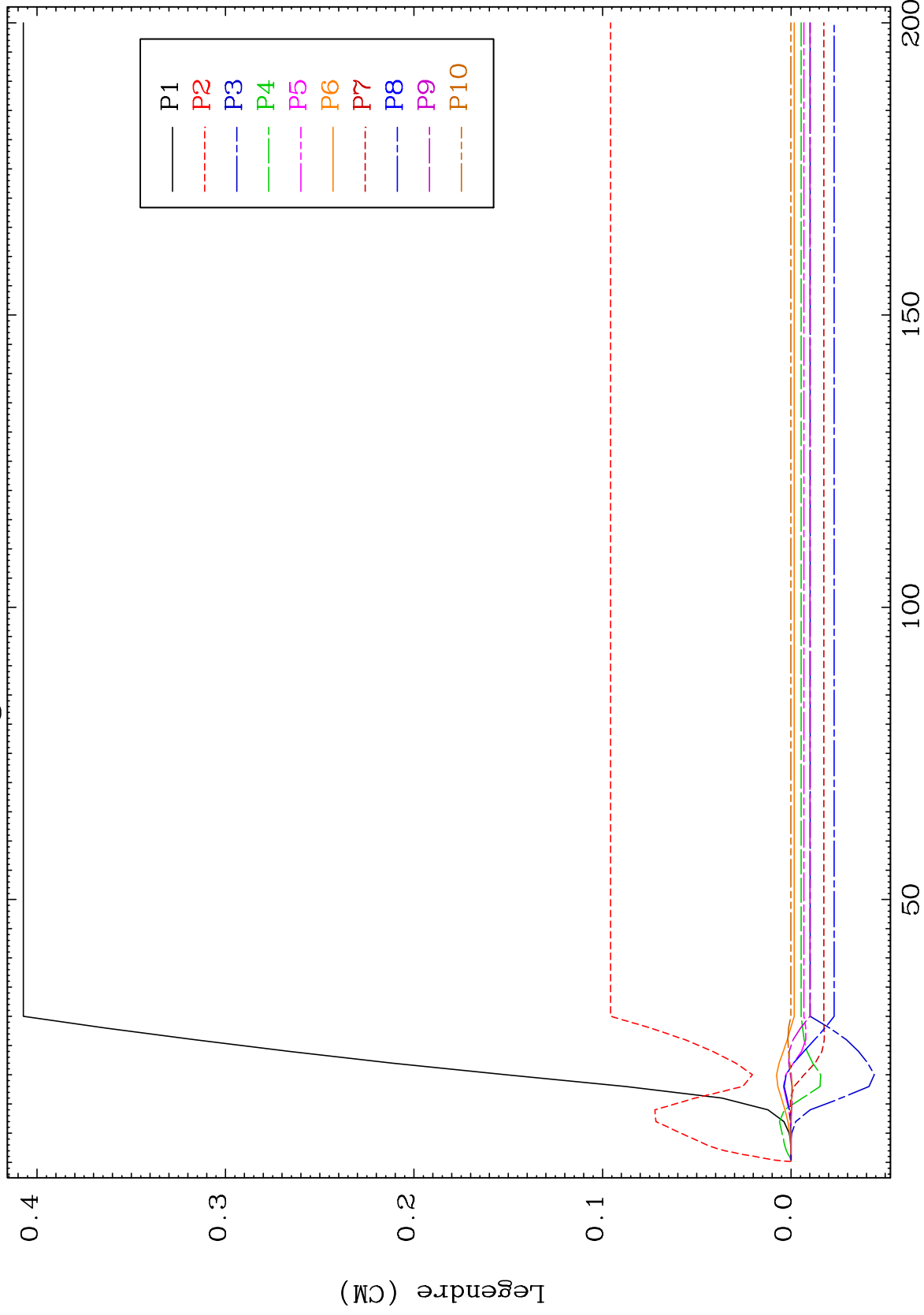
19-K -39



MAT 1925

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

19-K -39



75

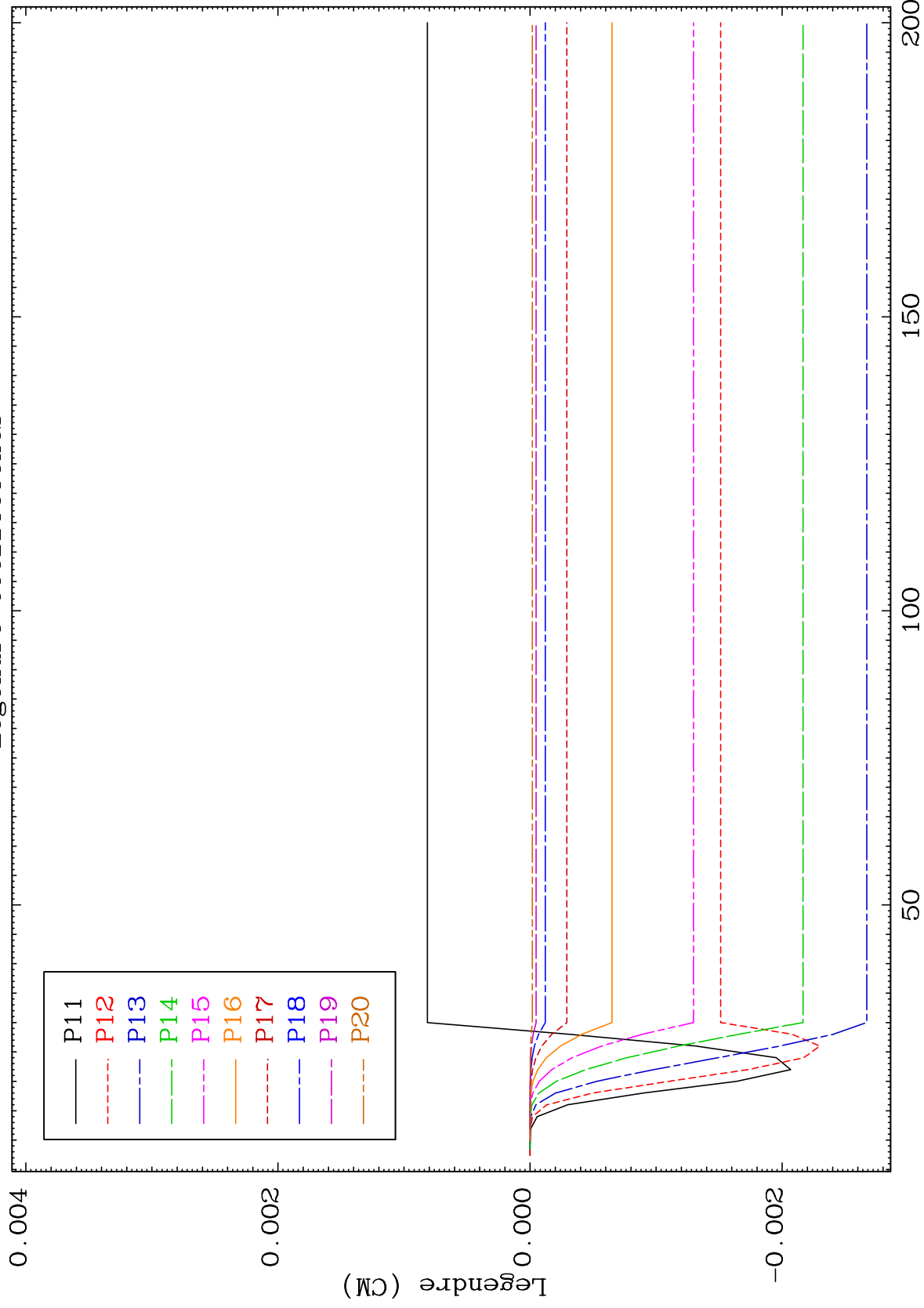
Incident Energy (MeV)

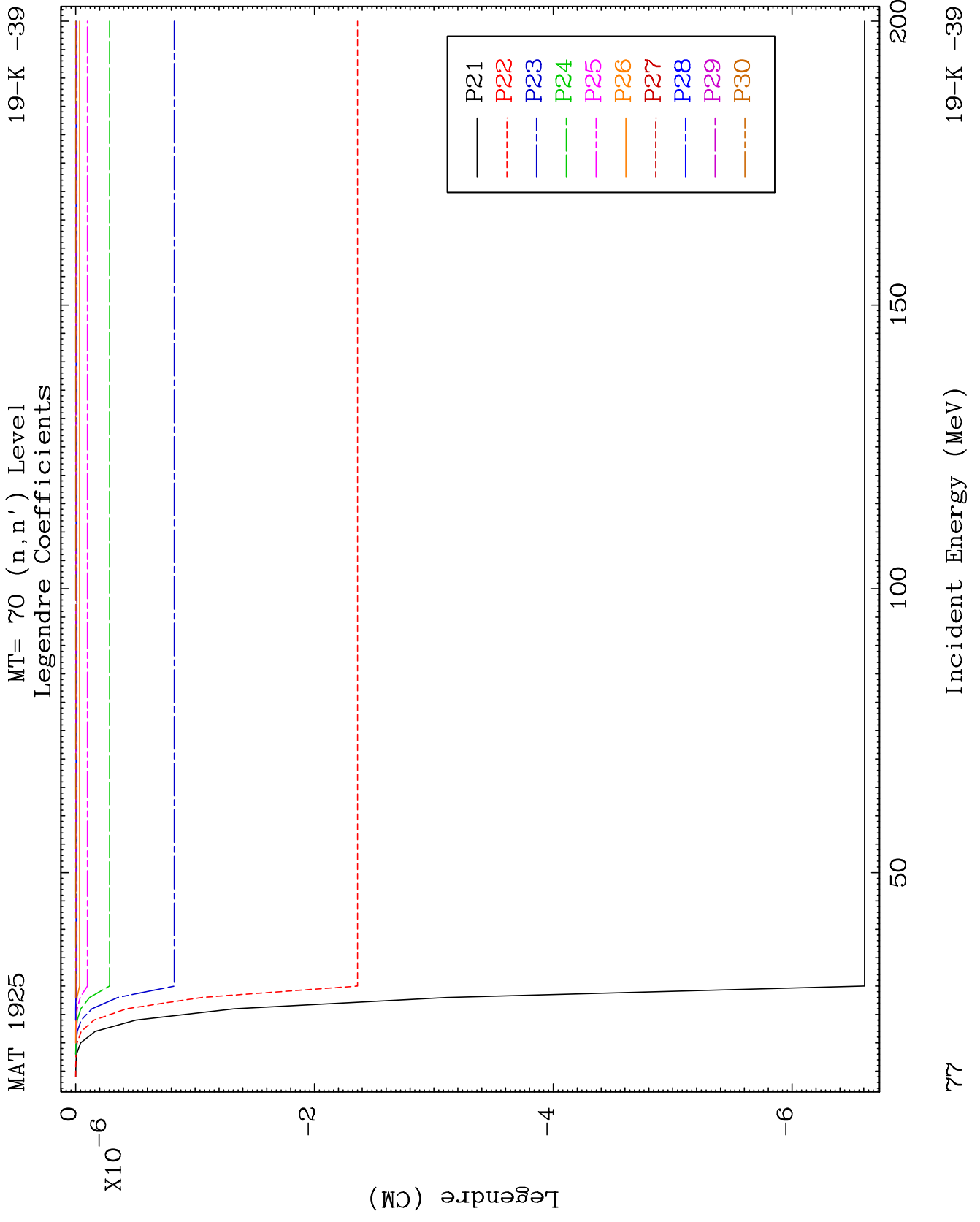
19-K -39

MAT 1925

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

19-K -39

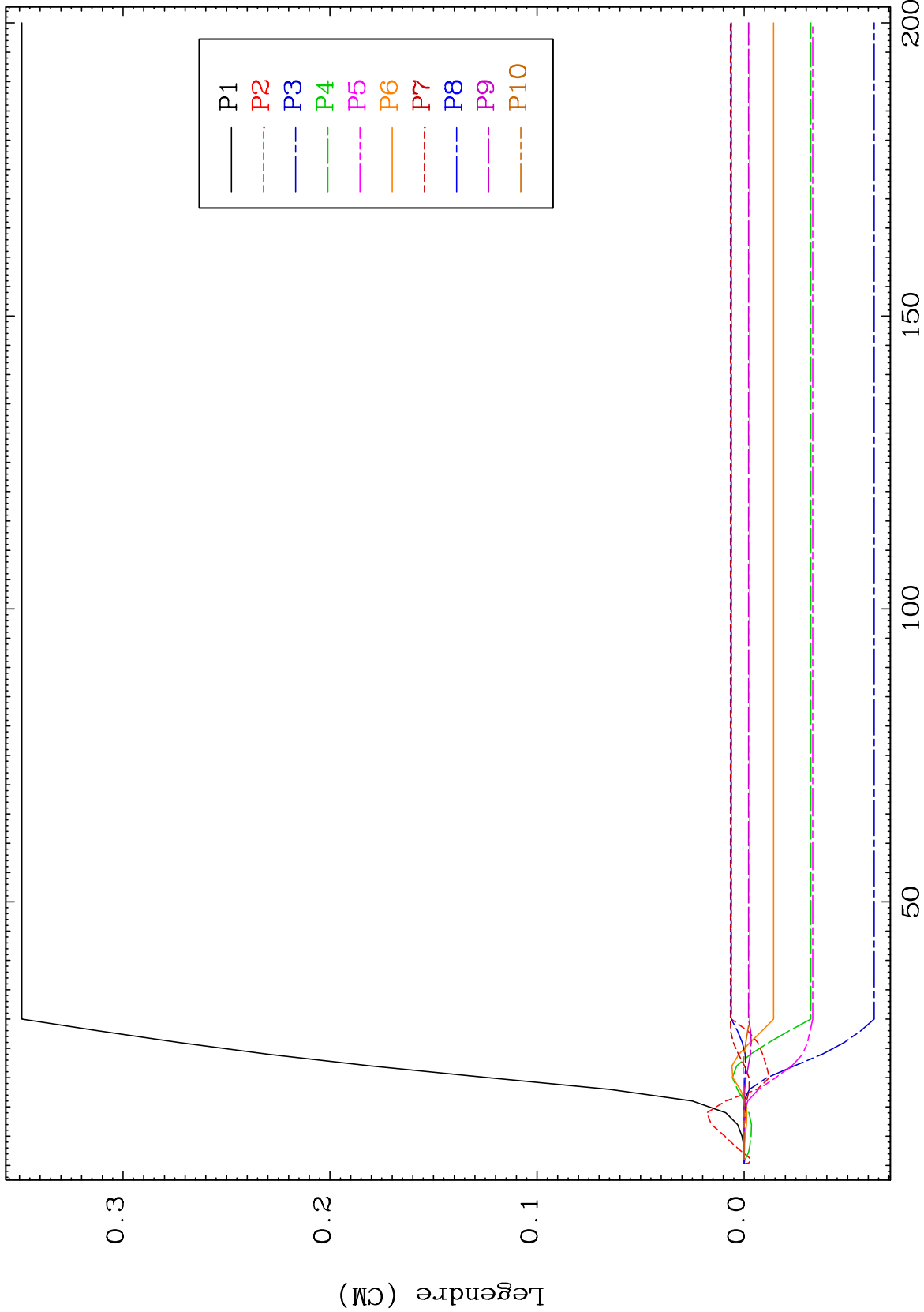




MAT 1925

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

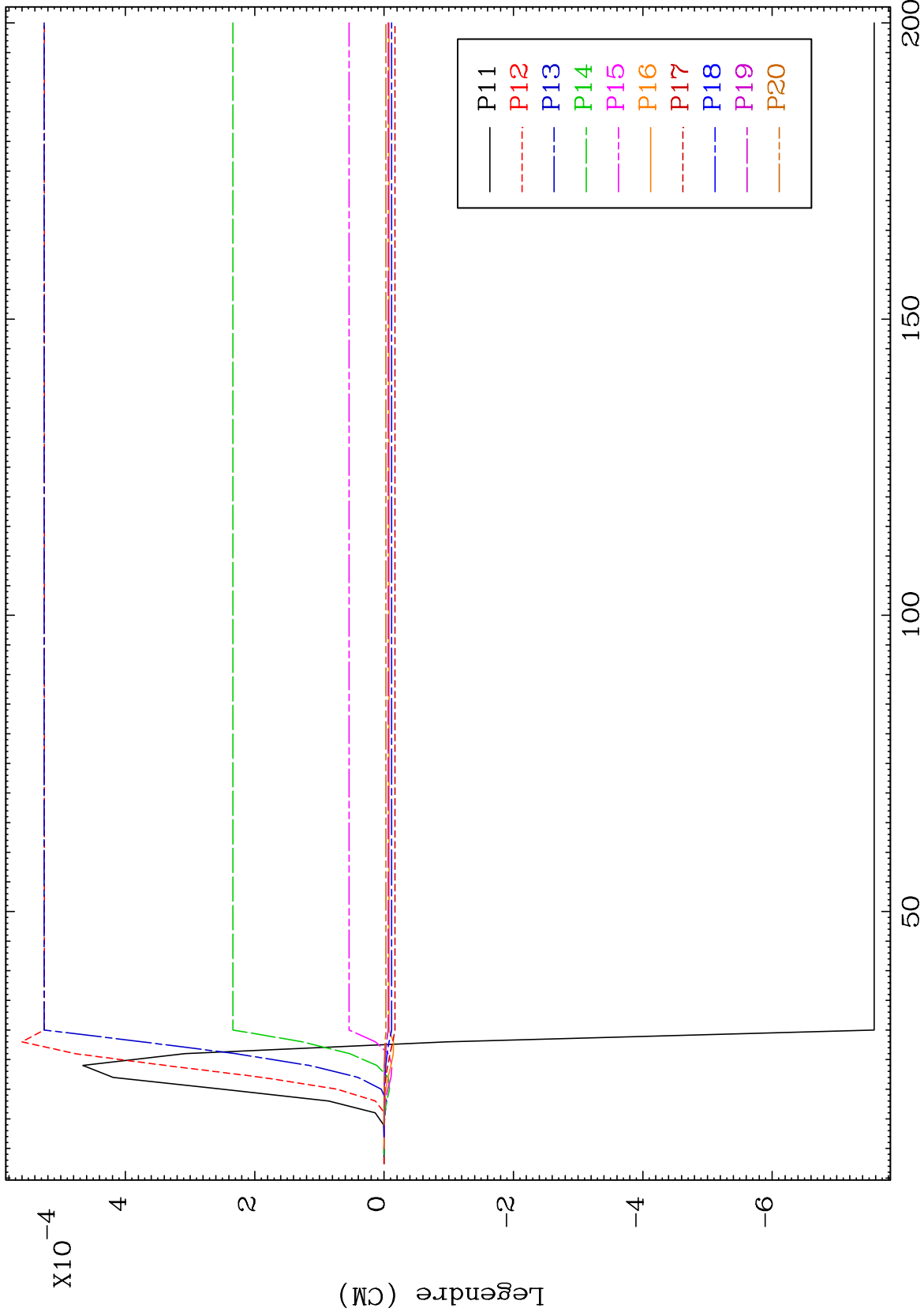
19-K -39

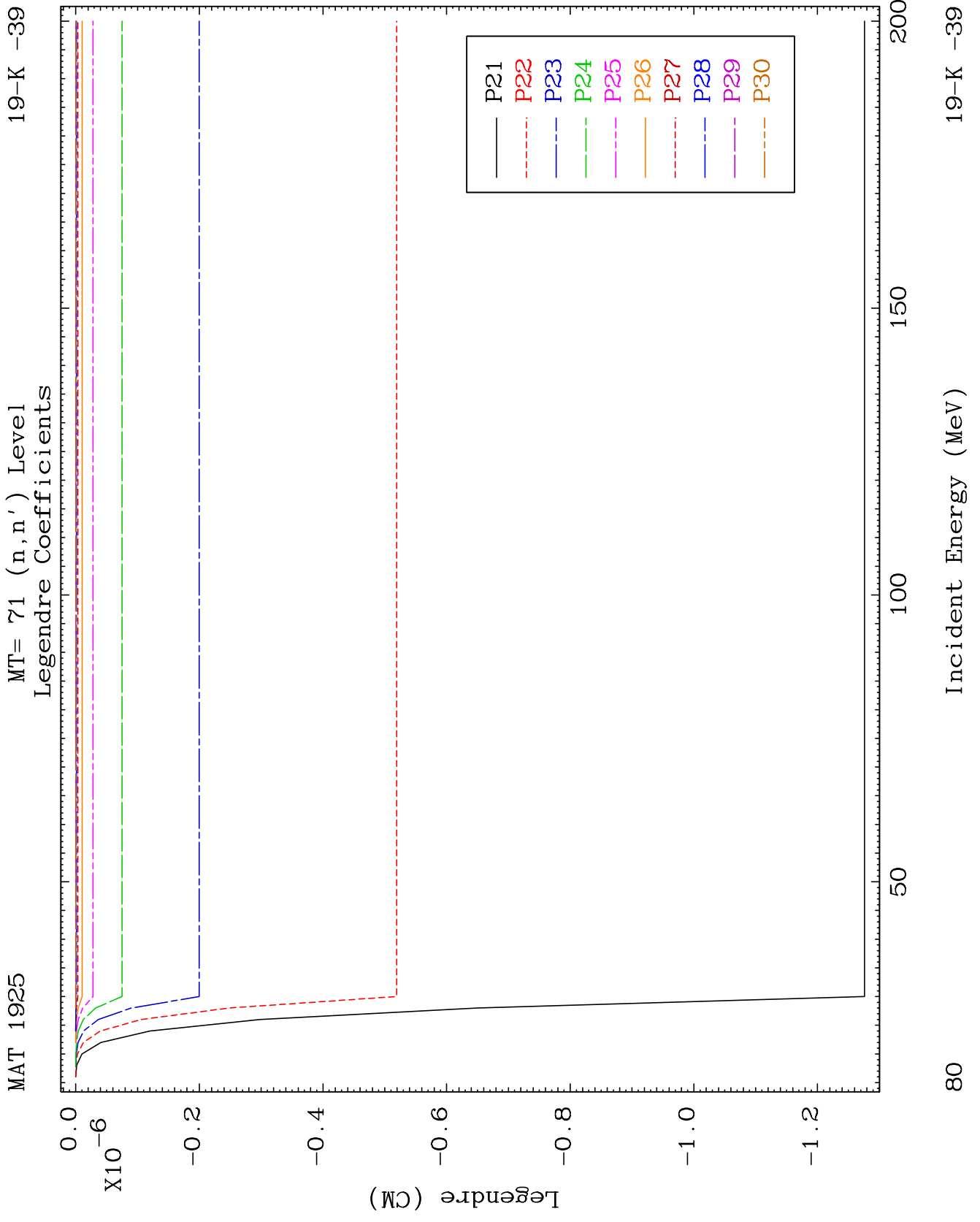


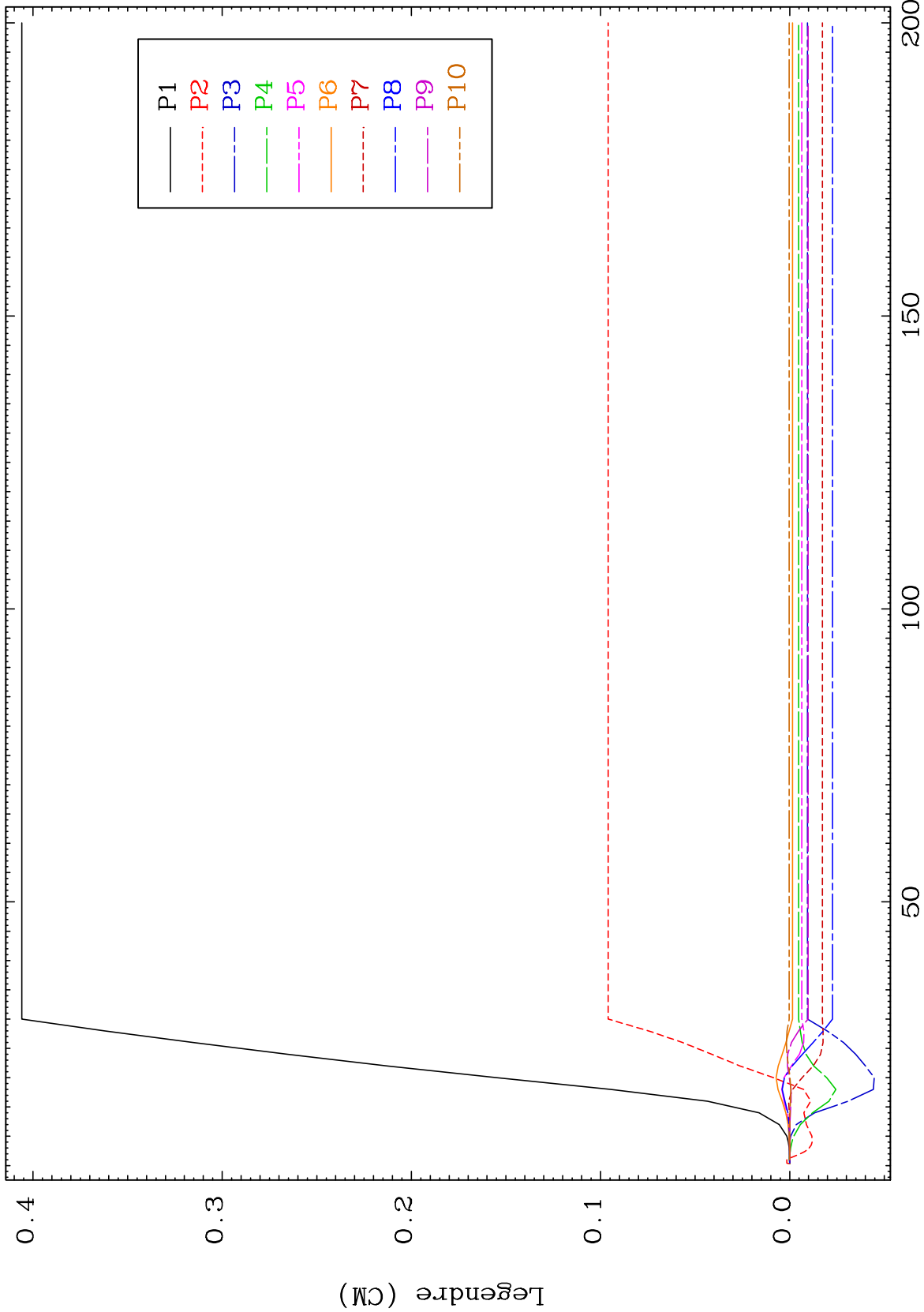
78

Incident Energy (MeV)

19-K -39



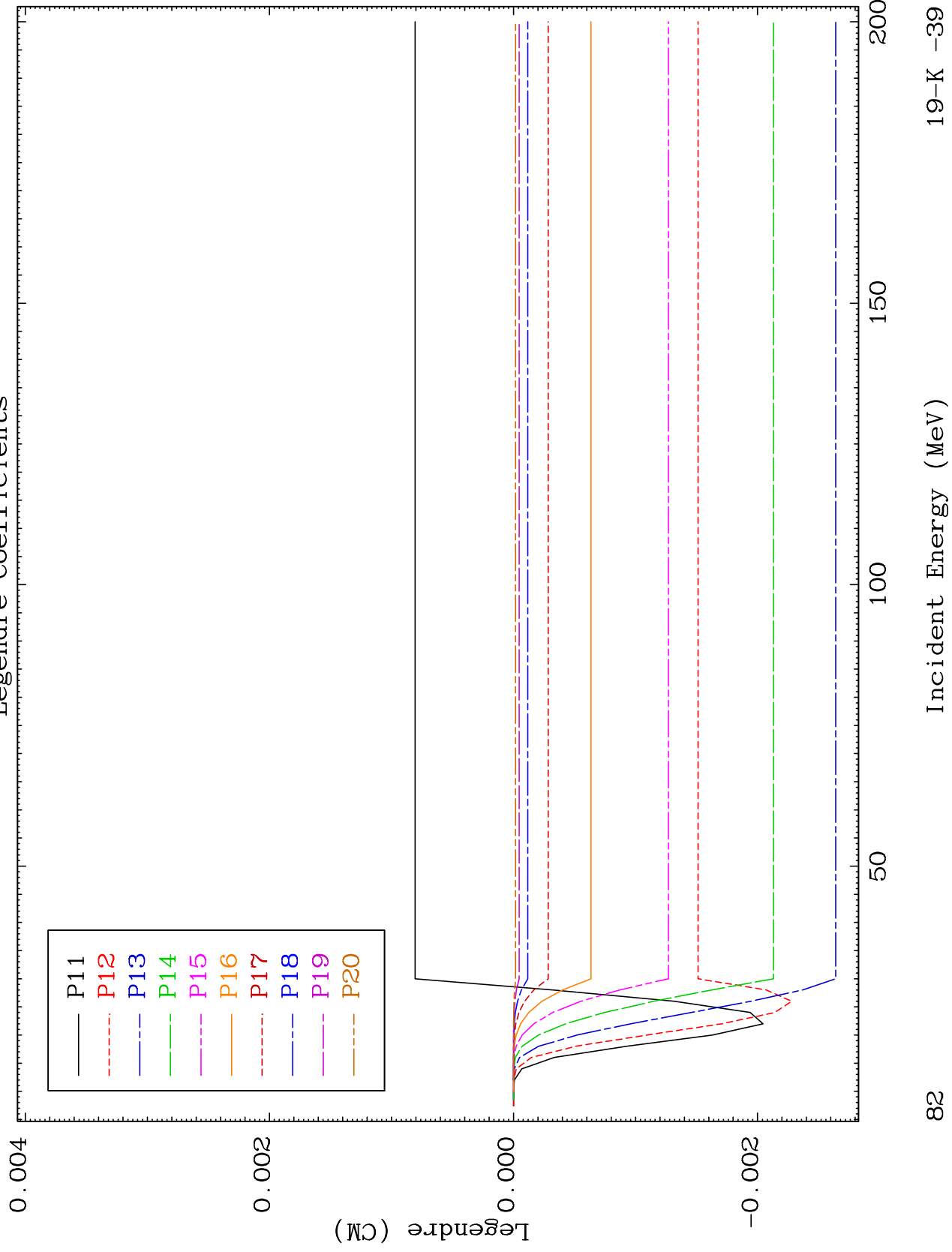




MAT 1925

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

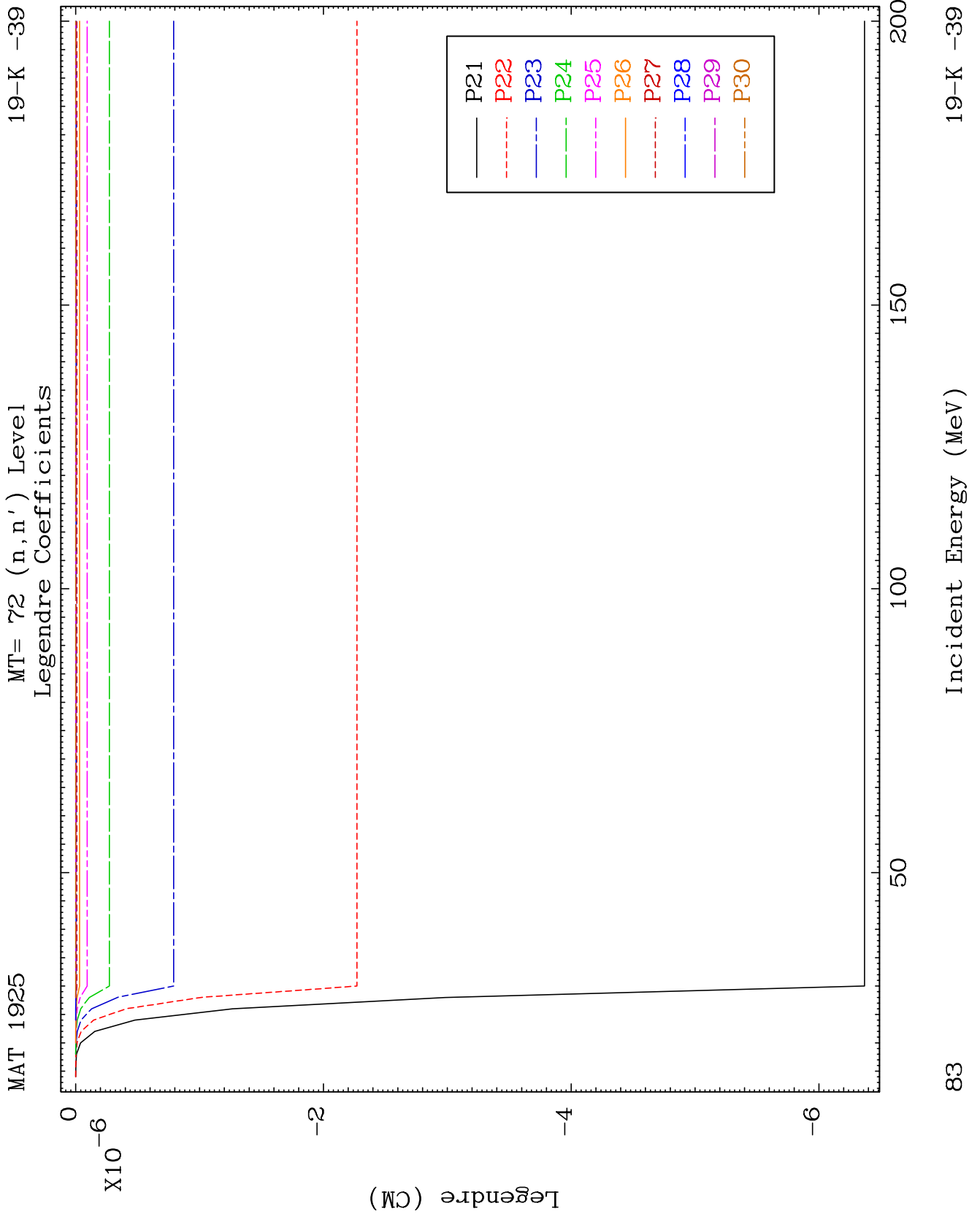
19-K -39



82

Incident Energy (MeV)

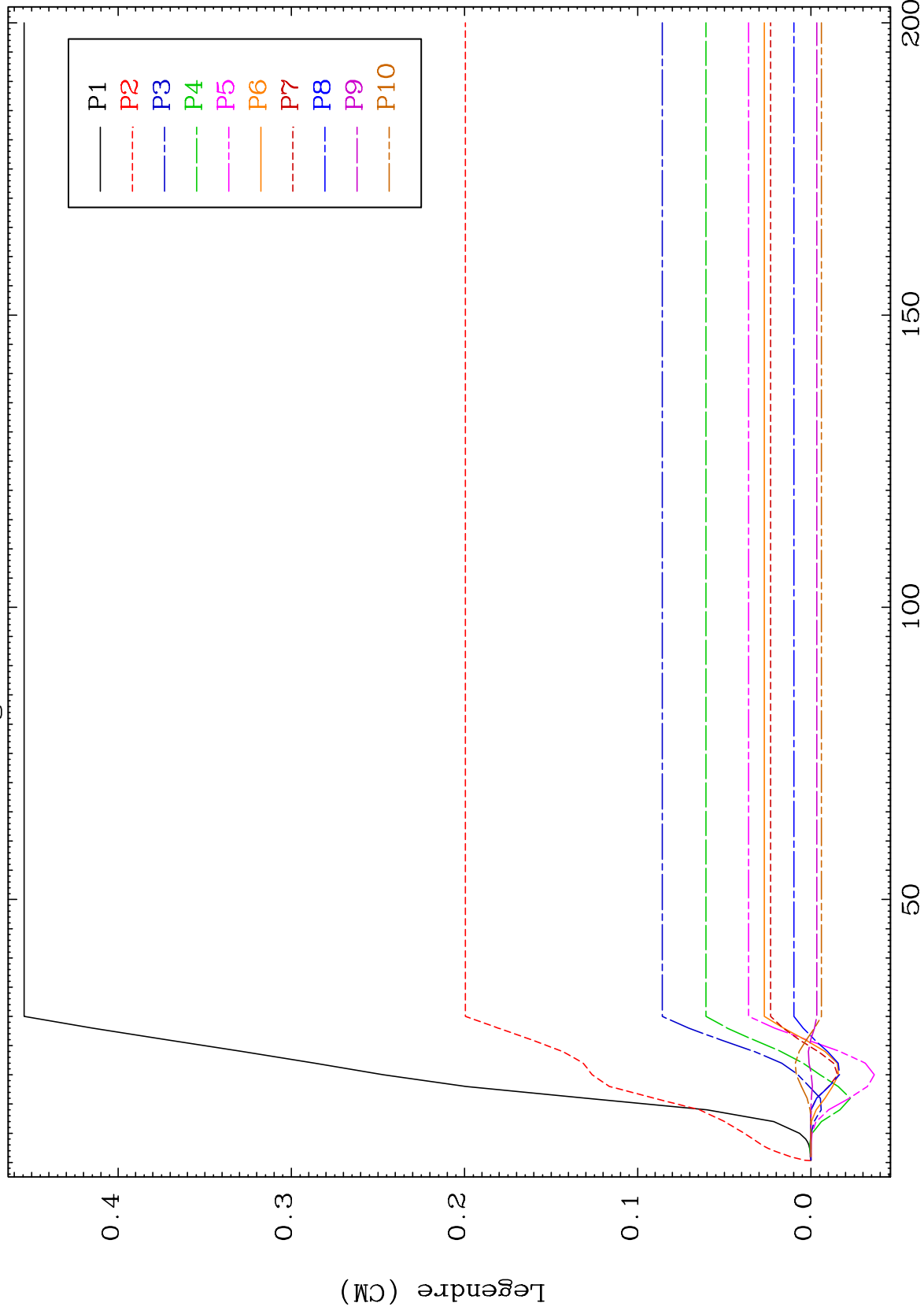
19-K -39



MAT 1925

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

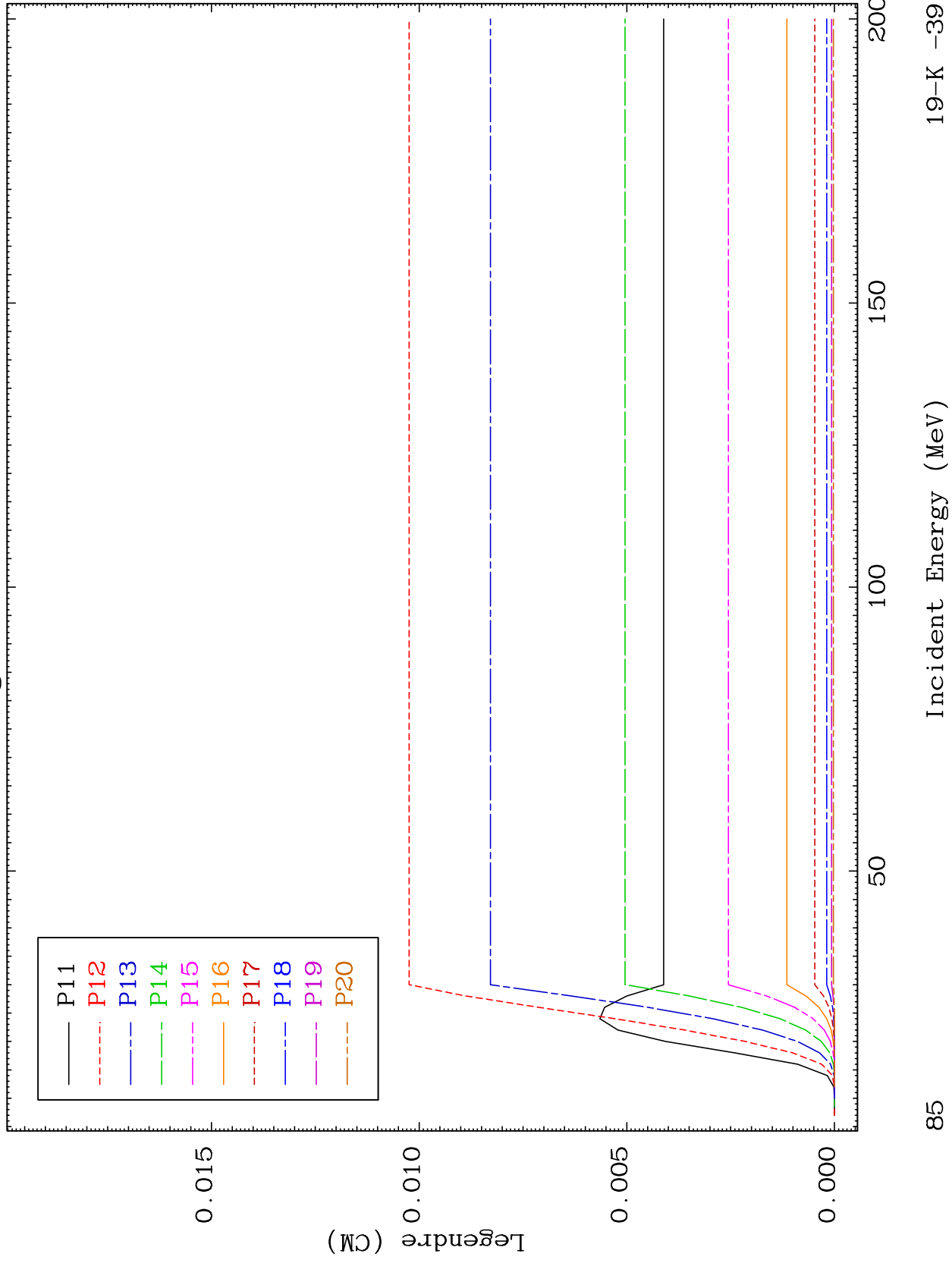
19-K -39



84

Incident Energy (MeV)

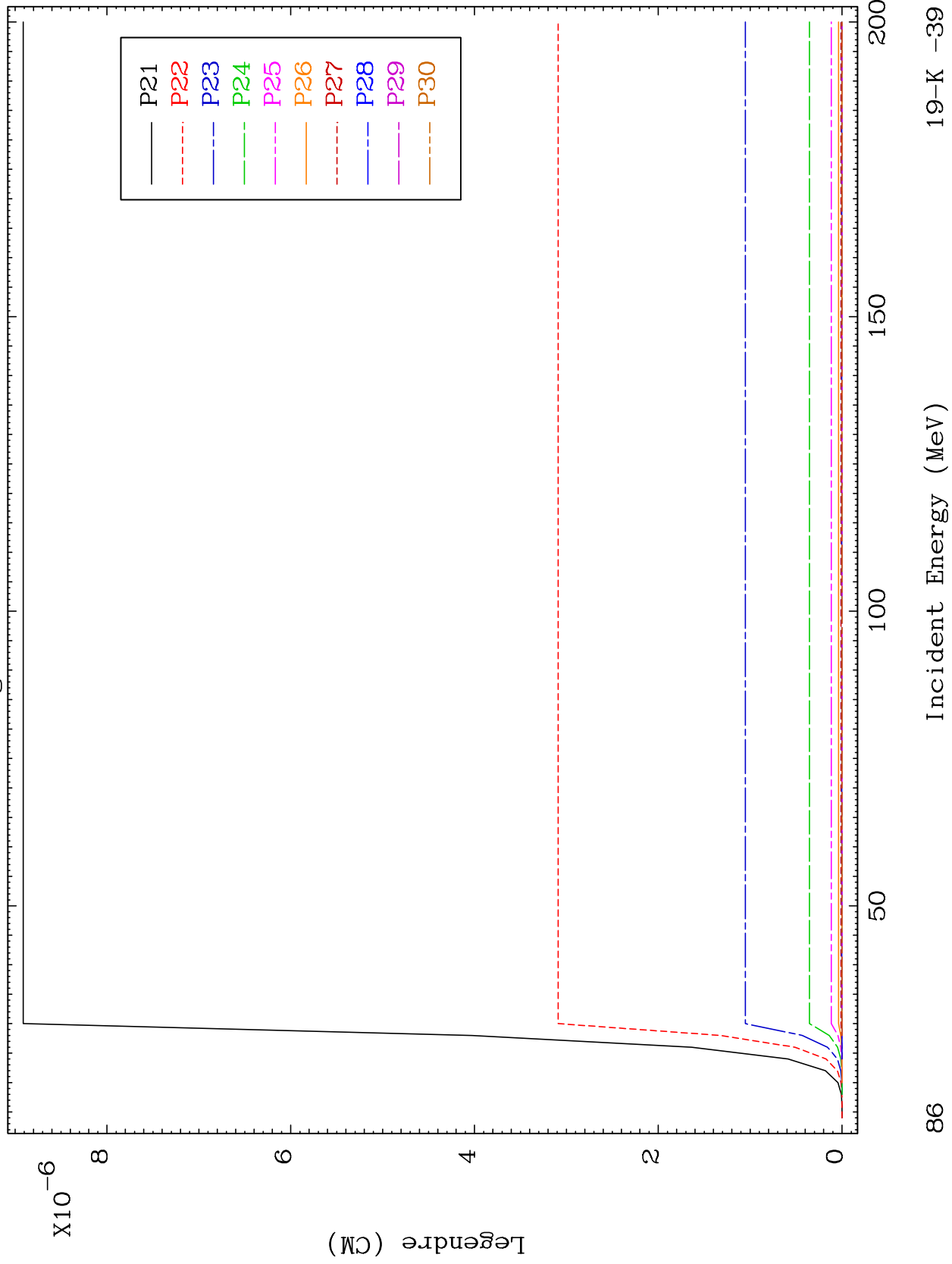
19-K -39

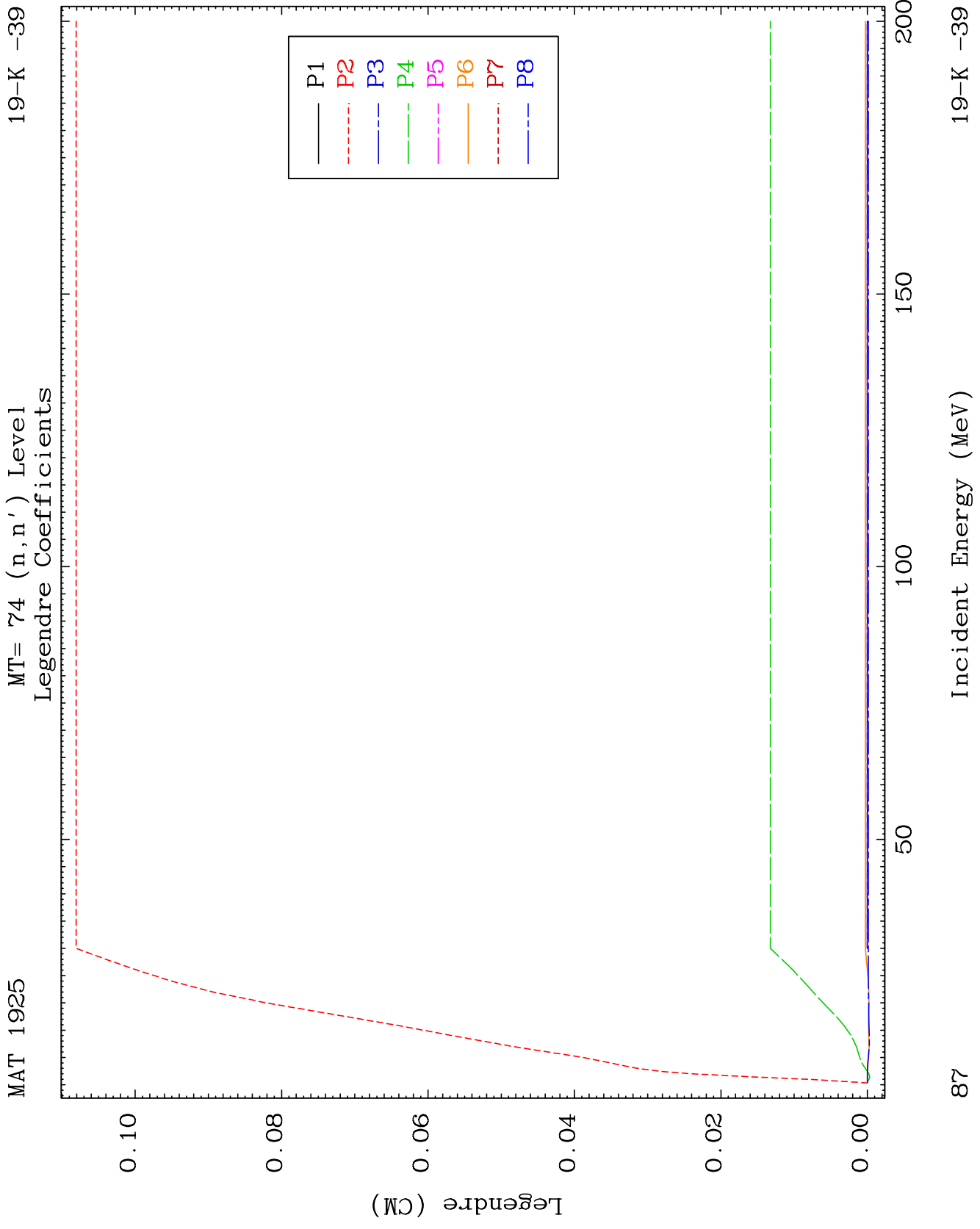


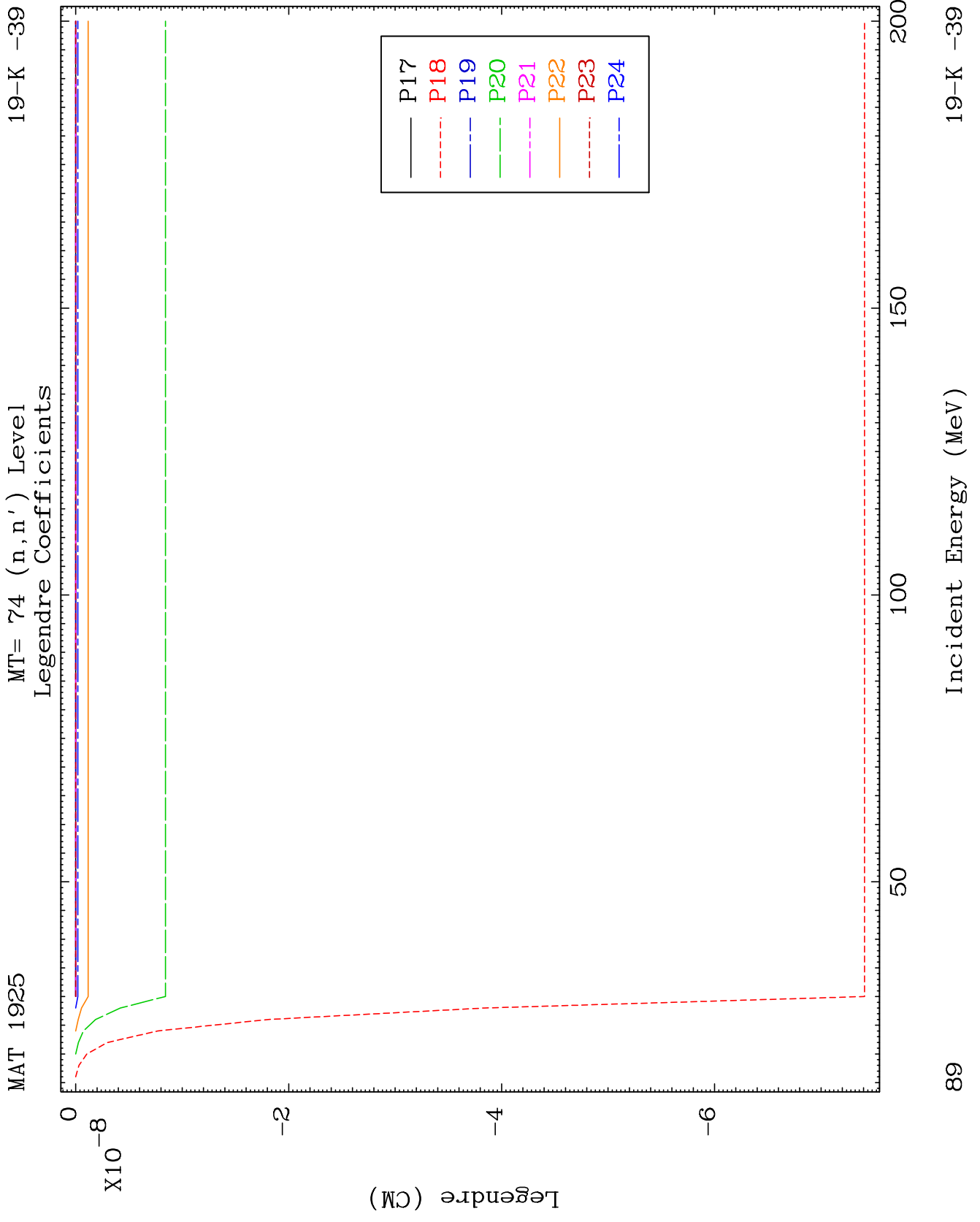
MAT 1925

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

19-K -39



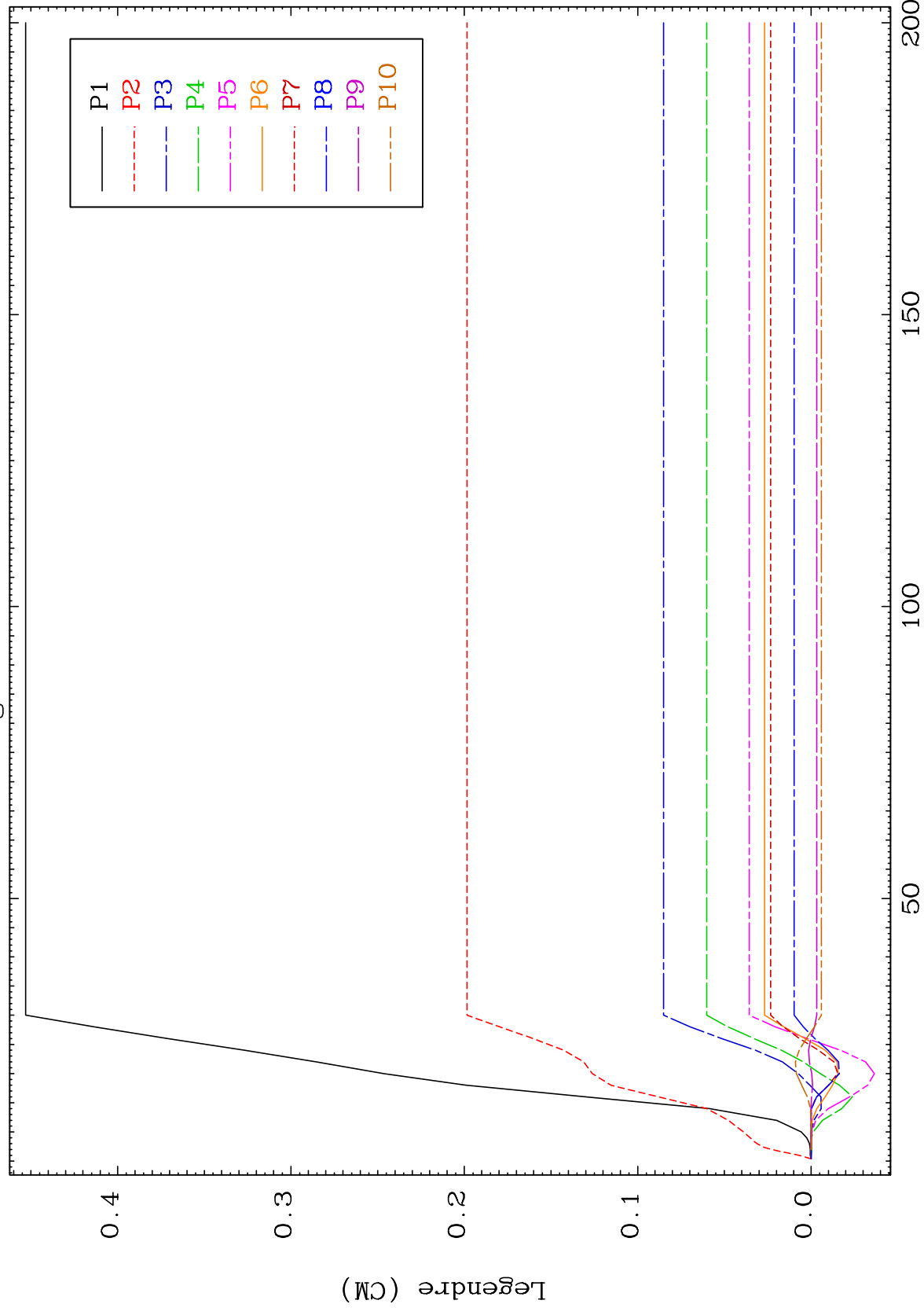




MAT 1925

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

19-K -39



90

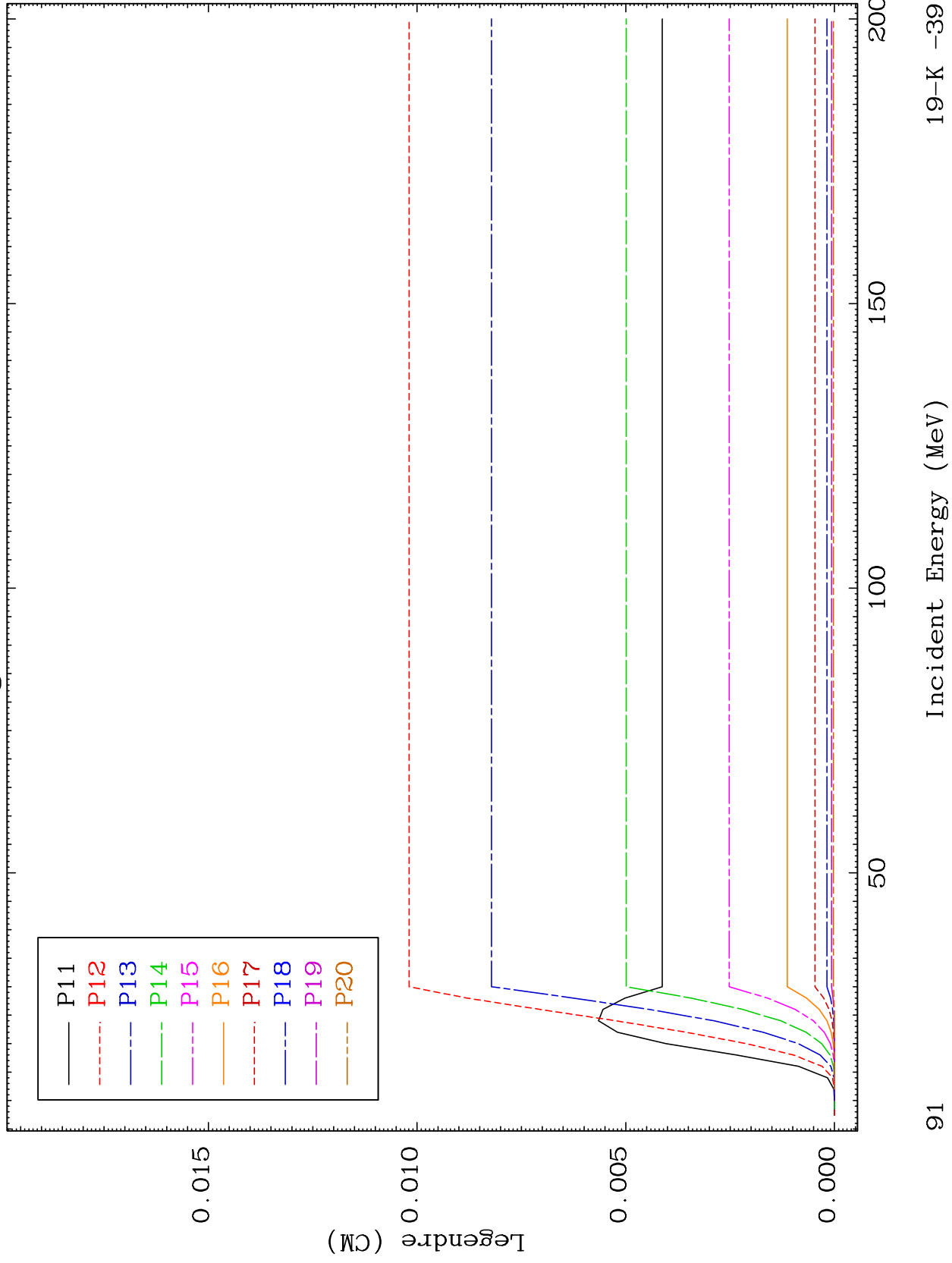
Incident Energy (MeV)

19-K -39

MAT 1925

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

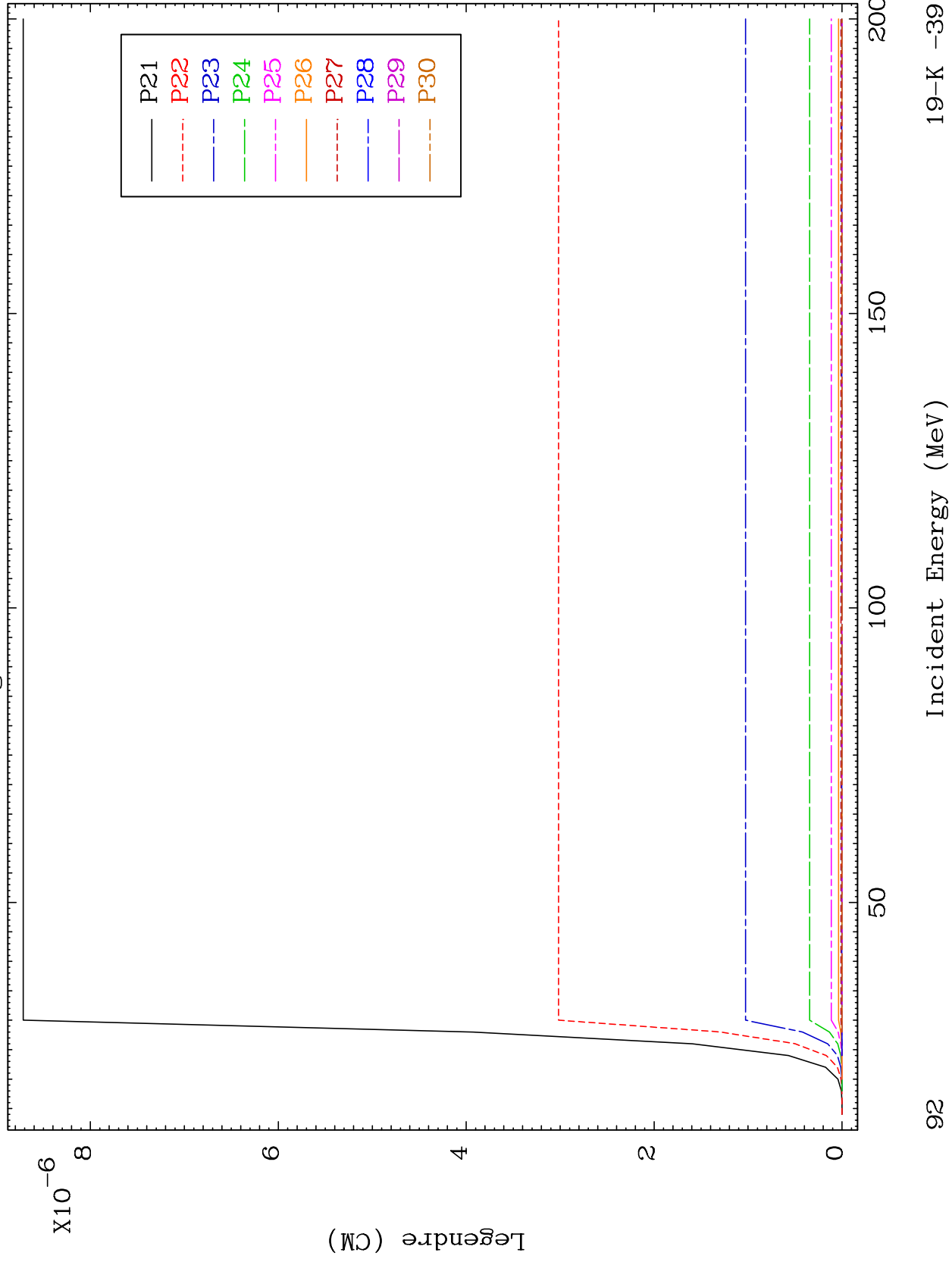
19-K -39



MAT 1925

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

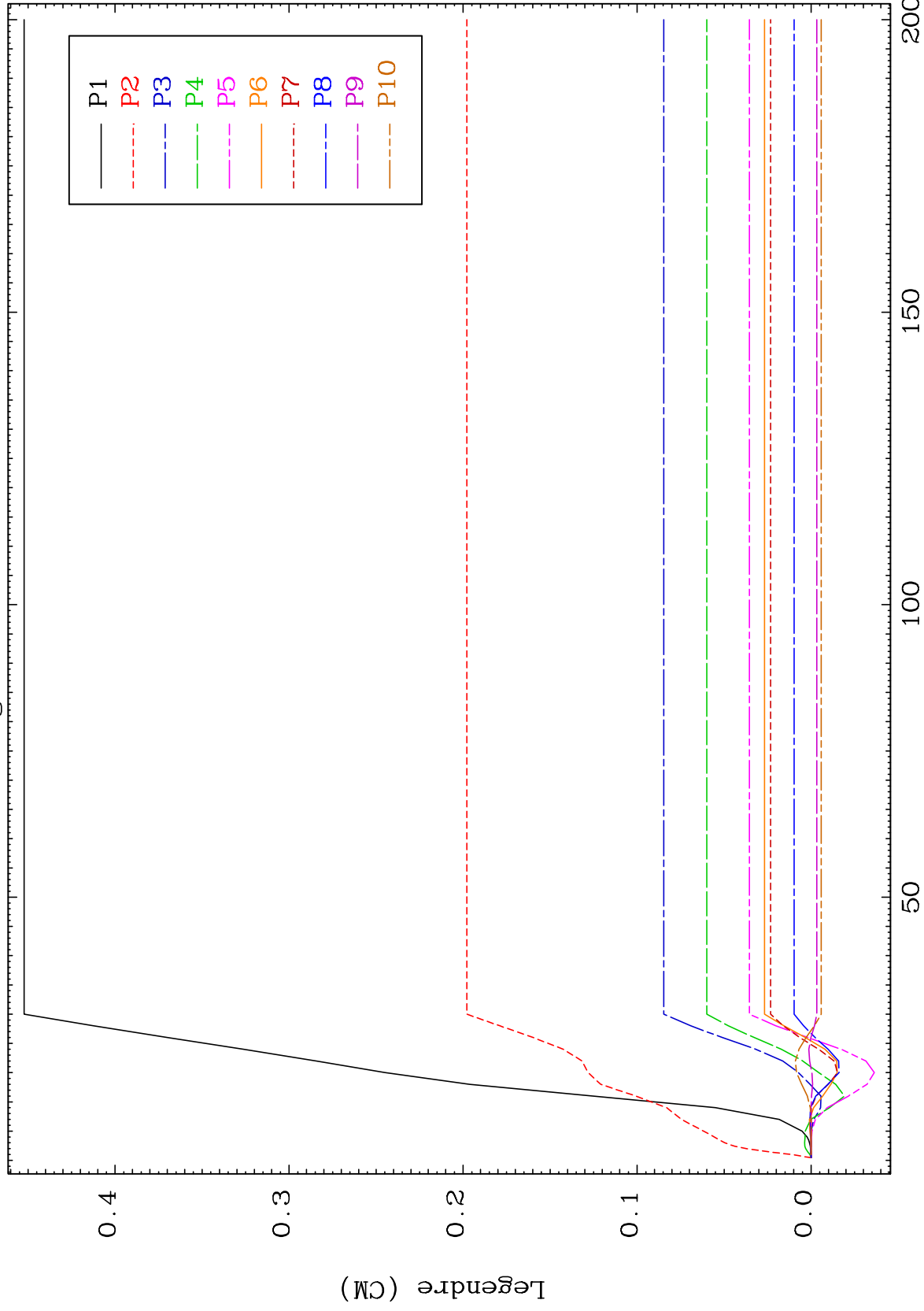
19-K -39



MAT 1925

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

19-K -39



93

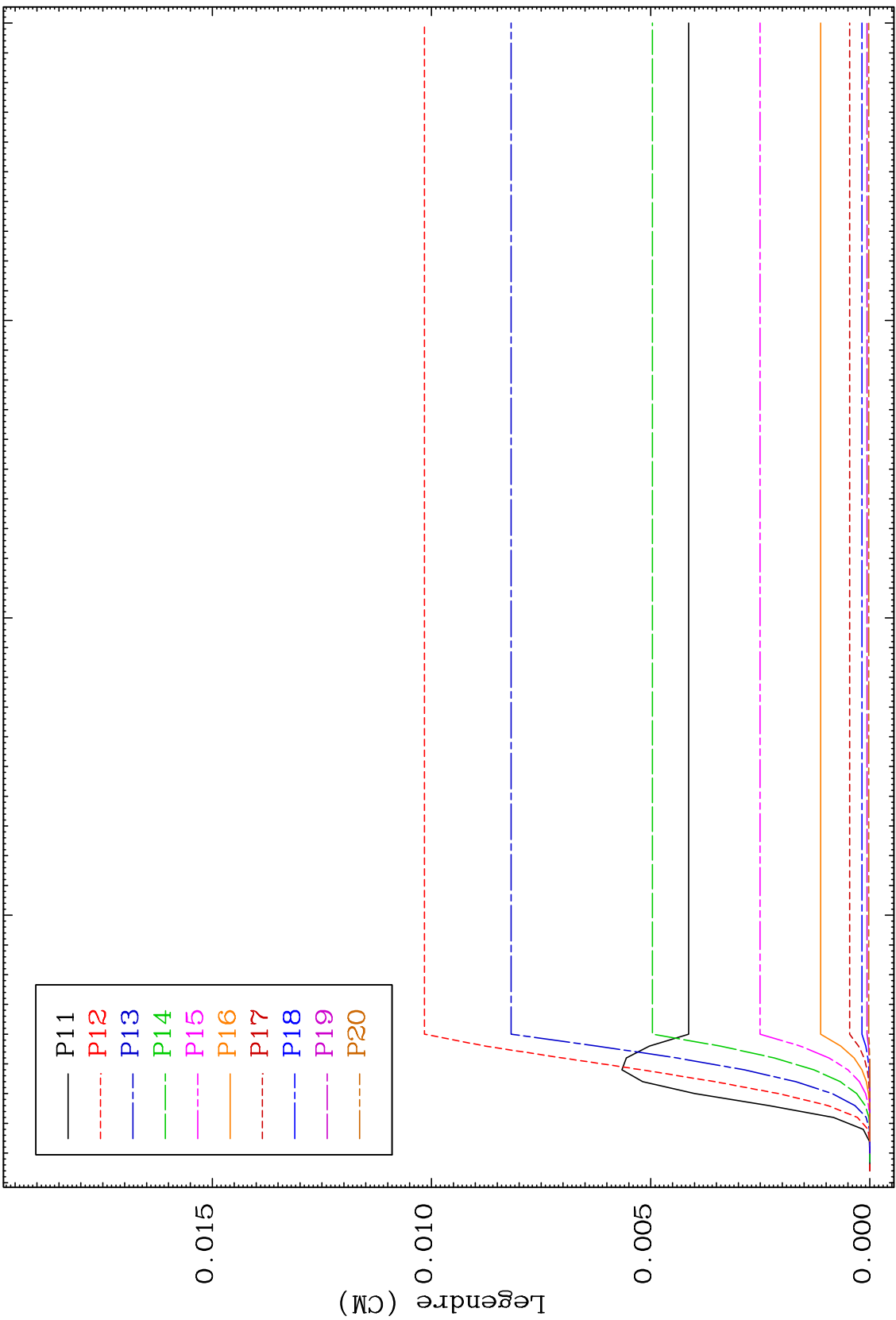
Incident Energy (MeV)

19-K -39

MAT 1925

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

19-K -39



94

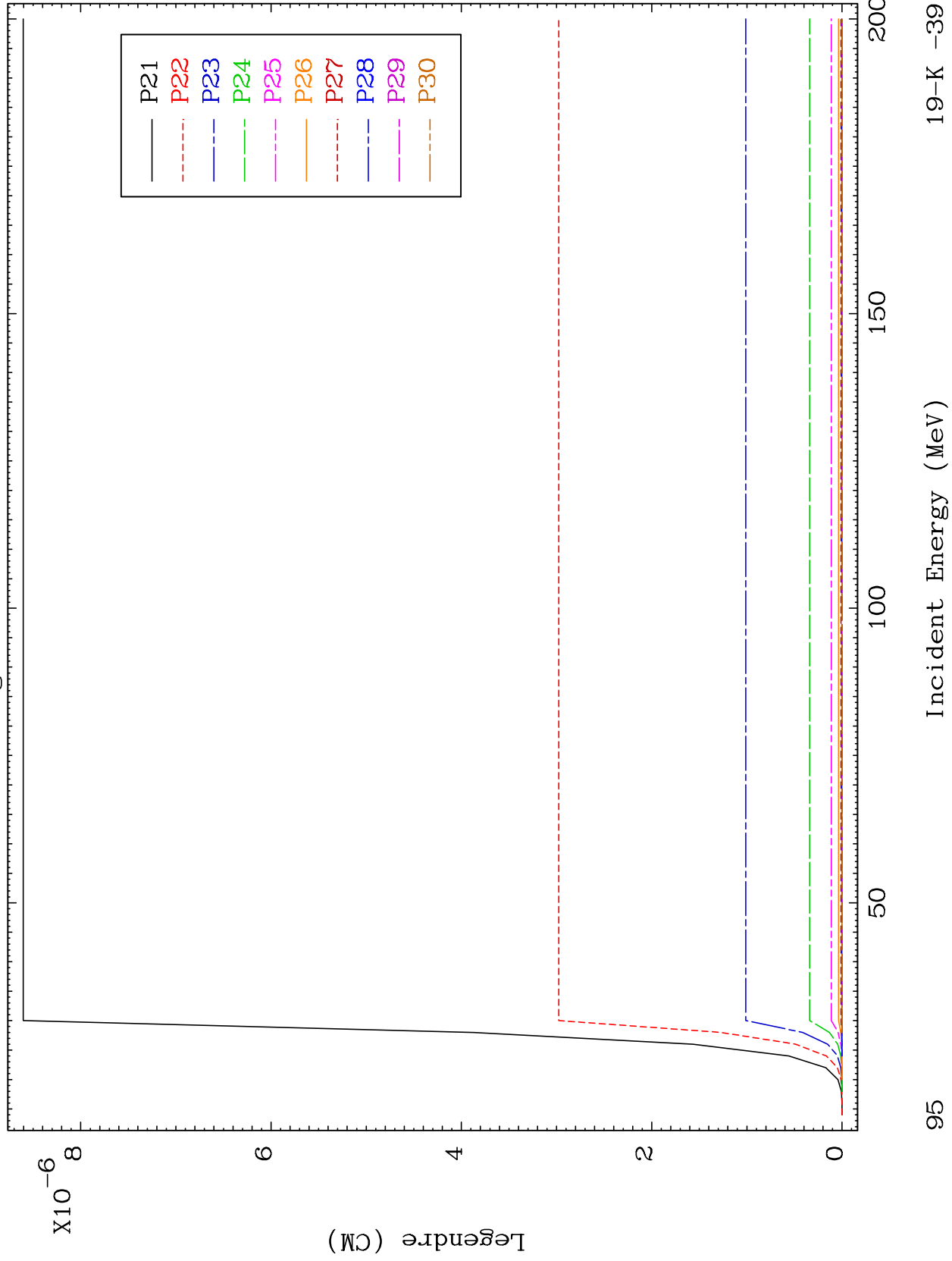
Incident Energy (MeV)

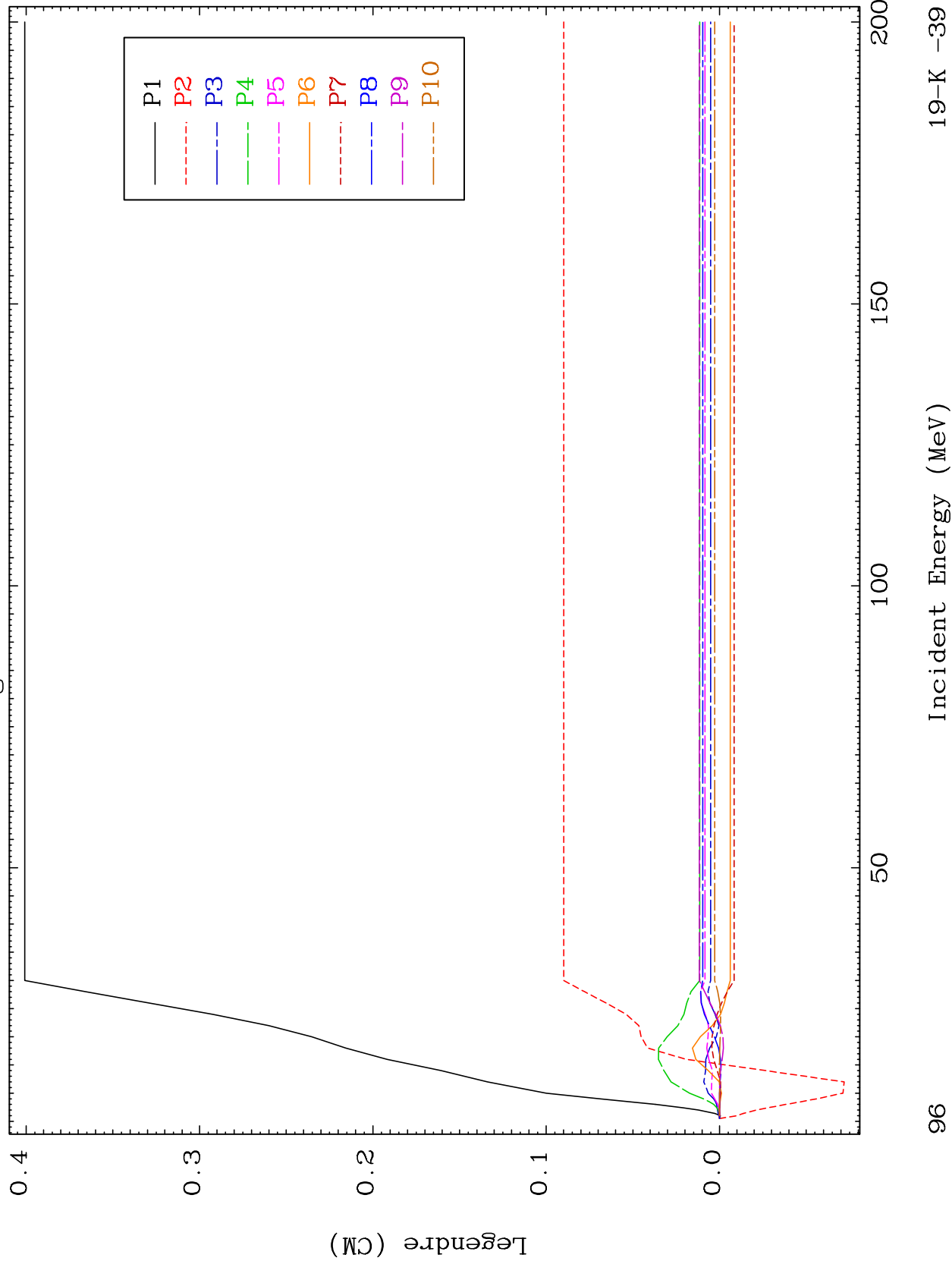
19-K -39

MAT 1925

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

19-K -39

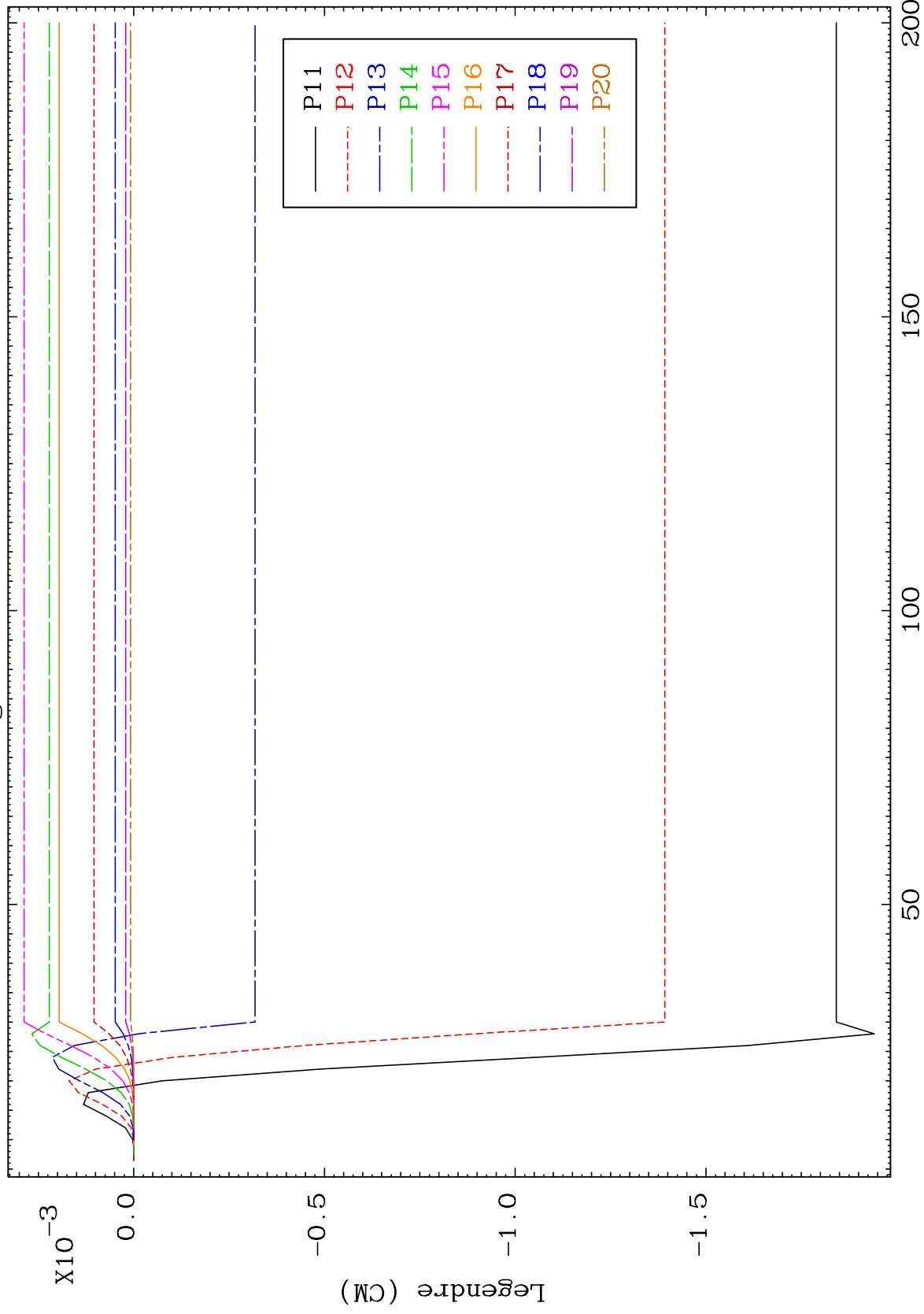




MAT 1925

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

19-K -39



97

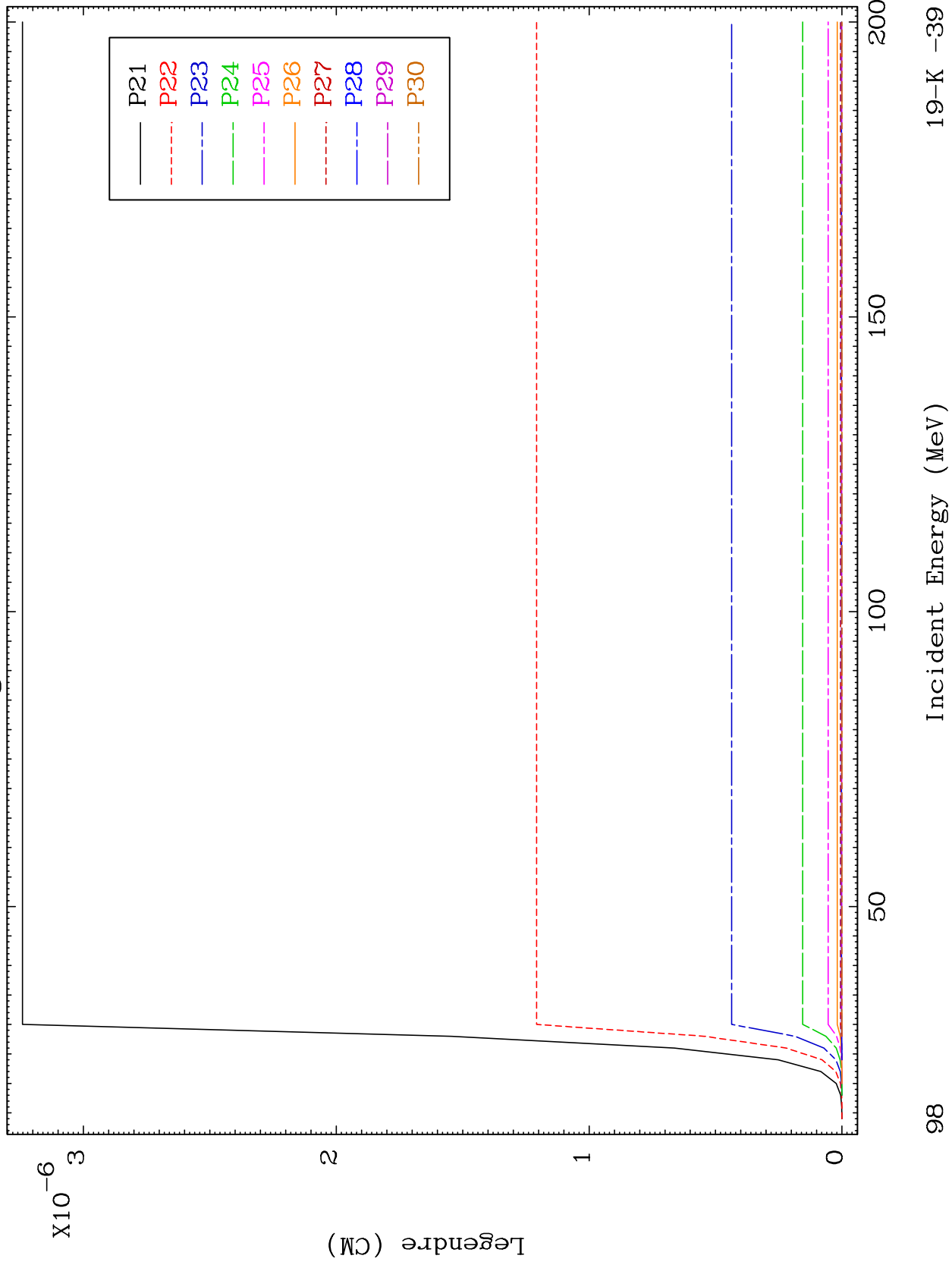
Incident Energy (MeV)

19-K -39

MAT 1925

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

19-K -39

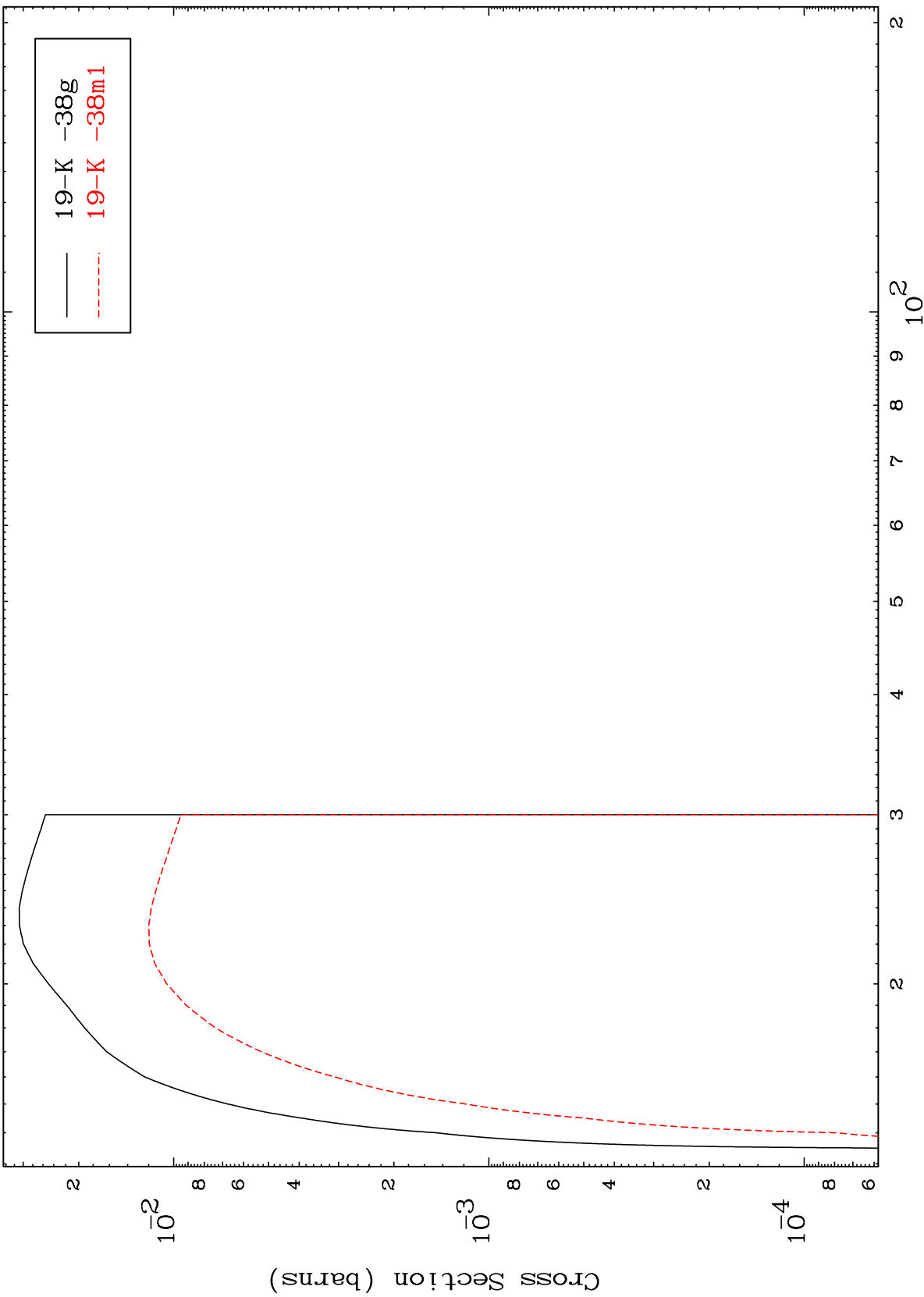


MAT 1925

19-K -39

(n,2n)

Radionuclide Production Cross Section



99

Incident Energy (MeV)

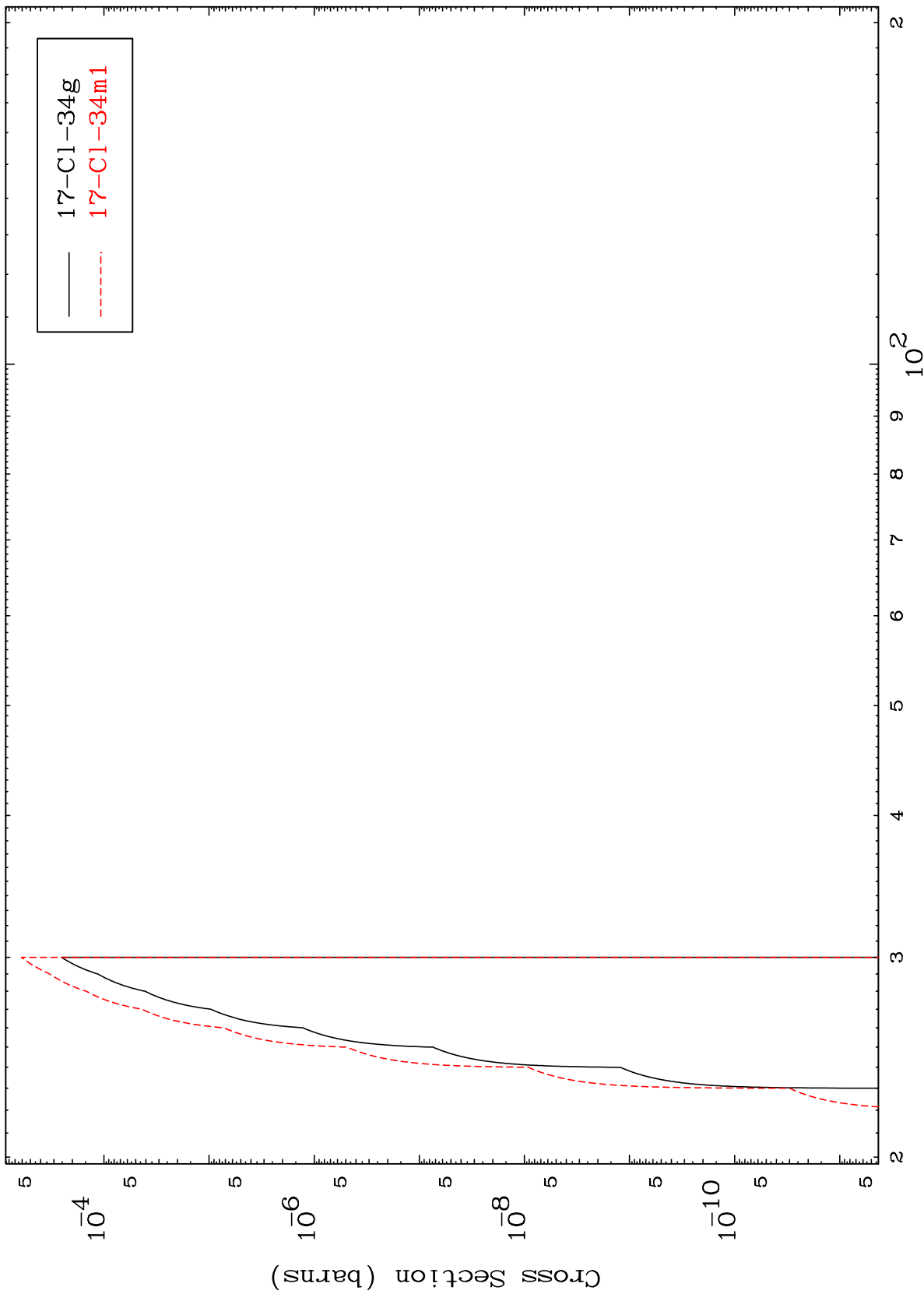
19-K -39

MAT 1925

(n,2n) α

19-K -39

Radionuclide Production Cross Section



100

Incident Energy (MeV)

19-K -39

(n,2p)
Radionuclide Production Cross Section

