

Program EVALPLOT
(Version 2015-2)

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:home.comcast.net/~redcullen1

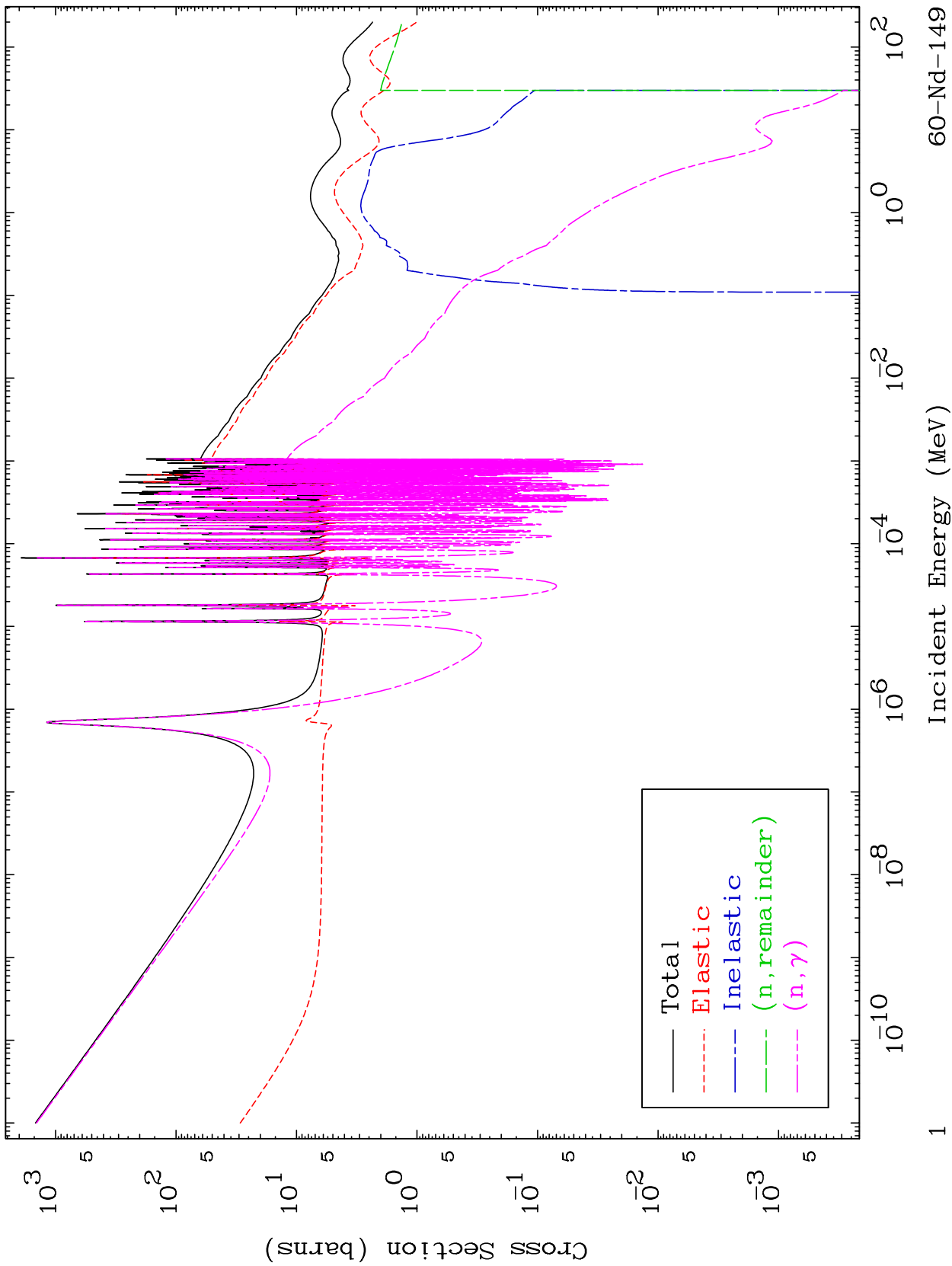
Press Mouse Button to Start

MAT 6046

Major

293 Kelvin Cross Sections

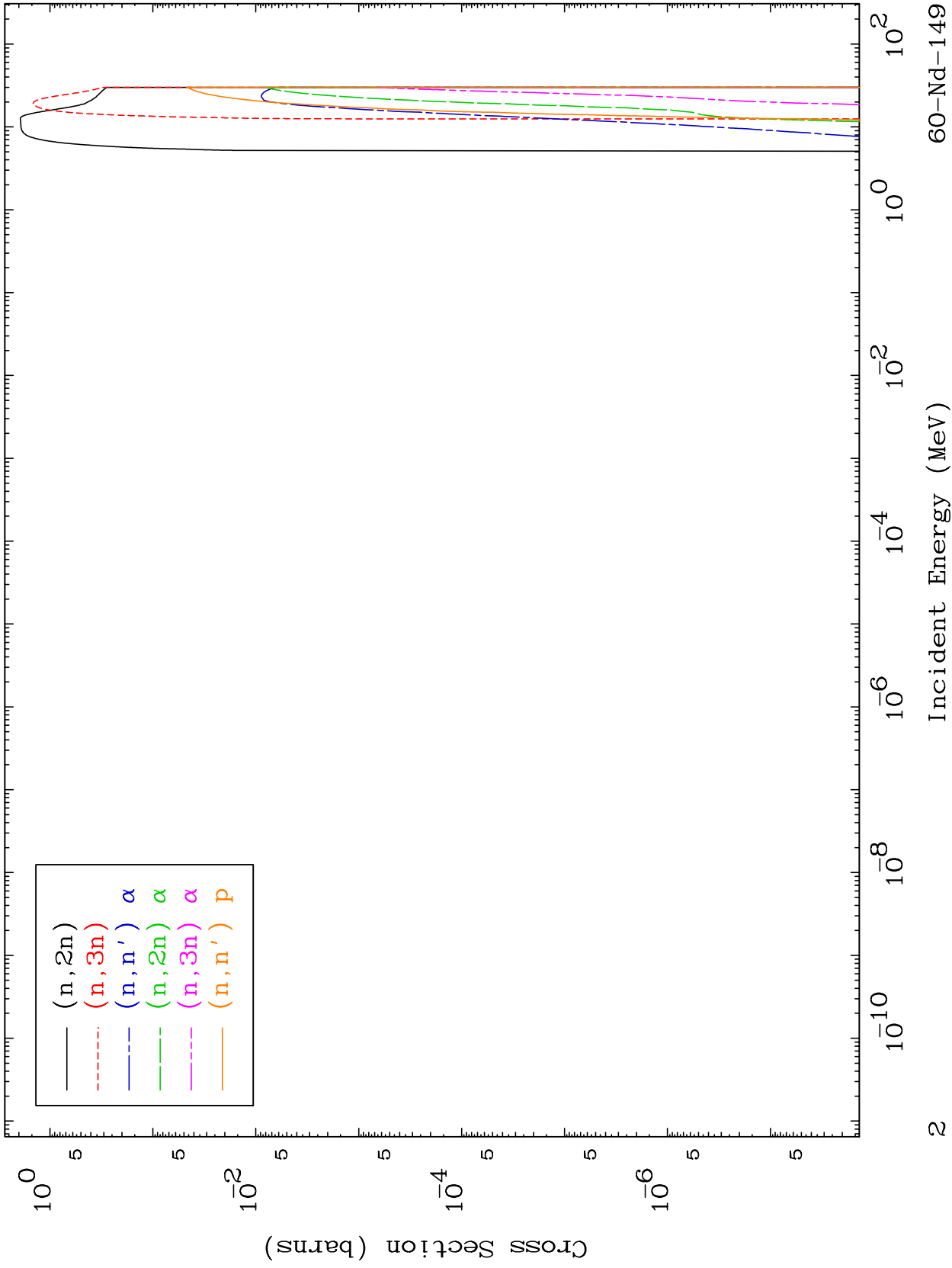
60-Nd-149

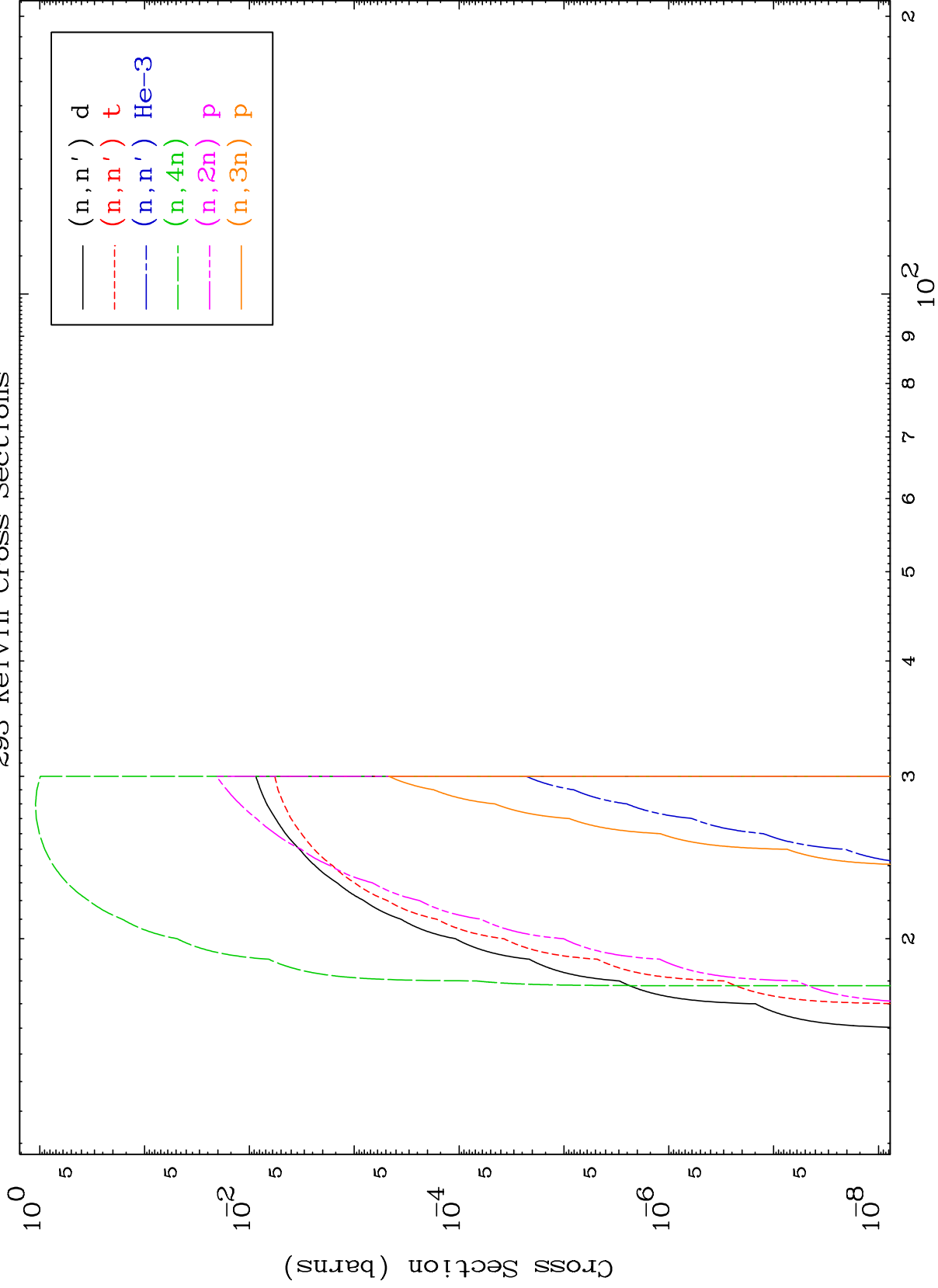


MAT 6046

Neutron Production
293 Kelvin Cross Sections

60-Nd-149

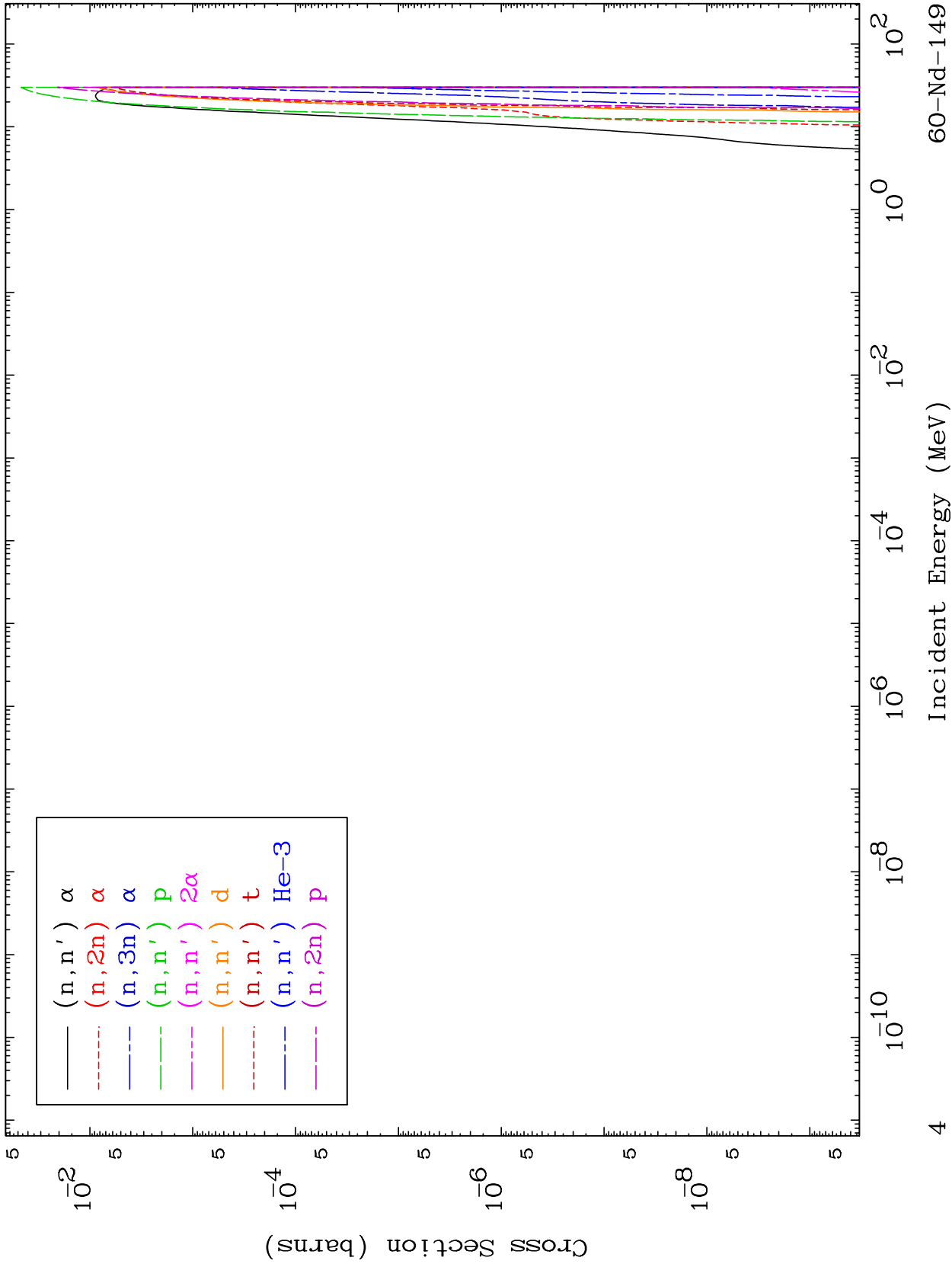




MAT 6046

Charged Particle
293 Kelvin Cross Sections

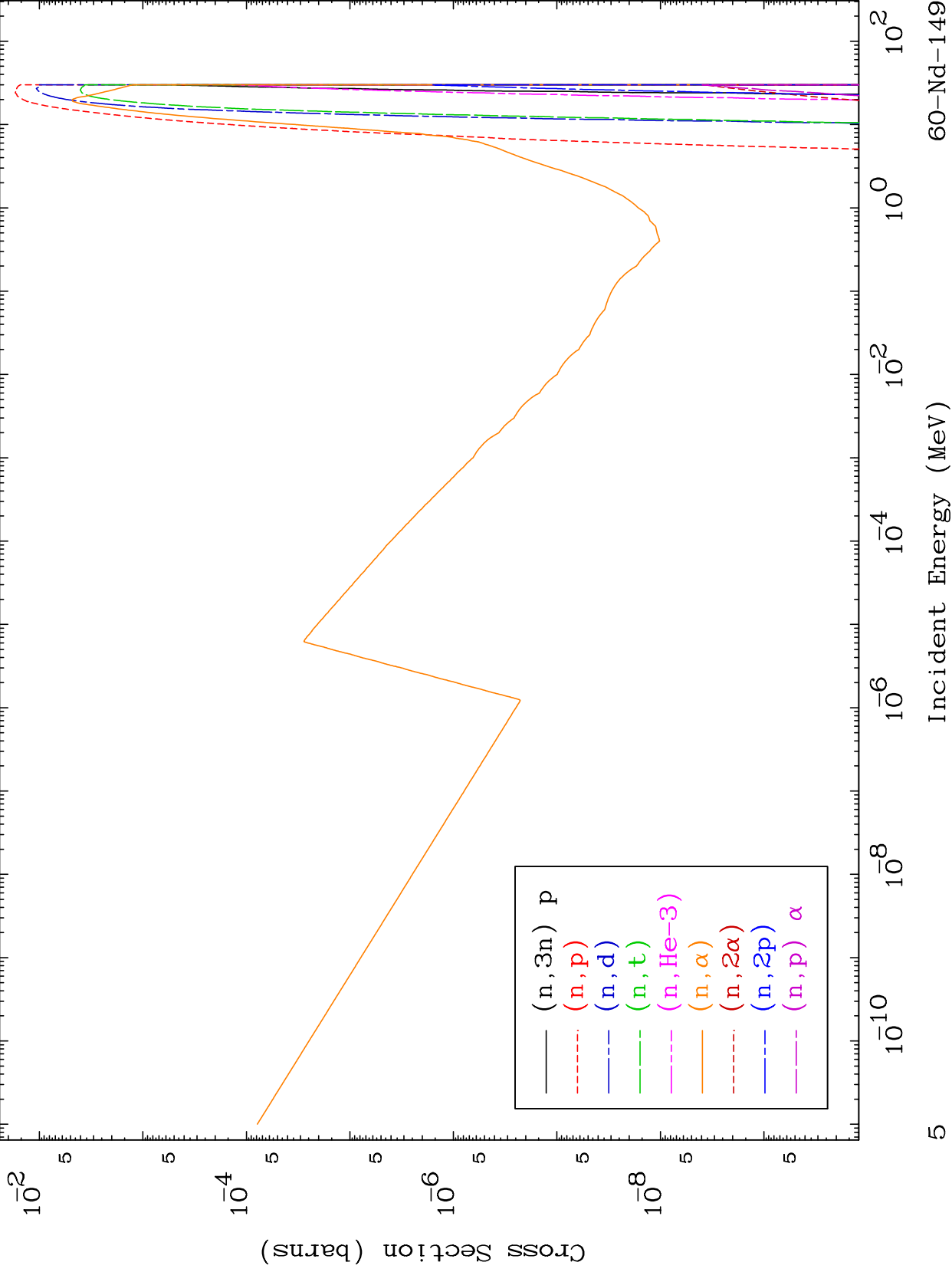
60-Nd-149

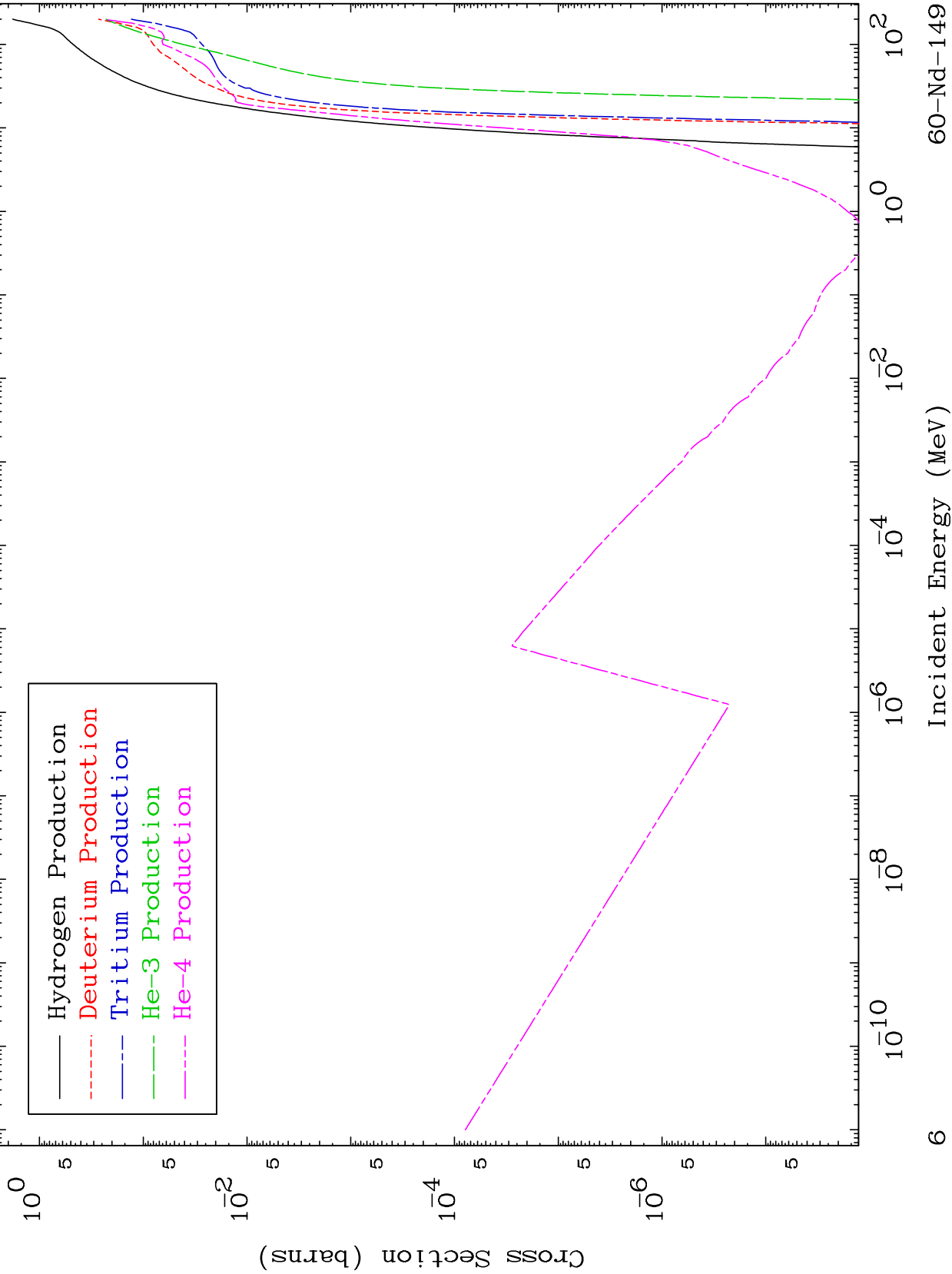


MAT 6046

Charged Particle
293 Kelvin Cross Sections

60-Nd-149

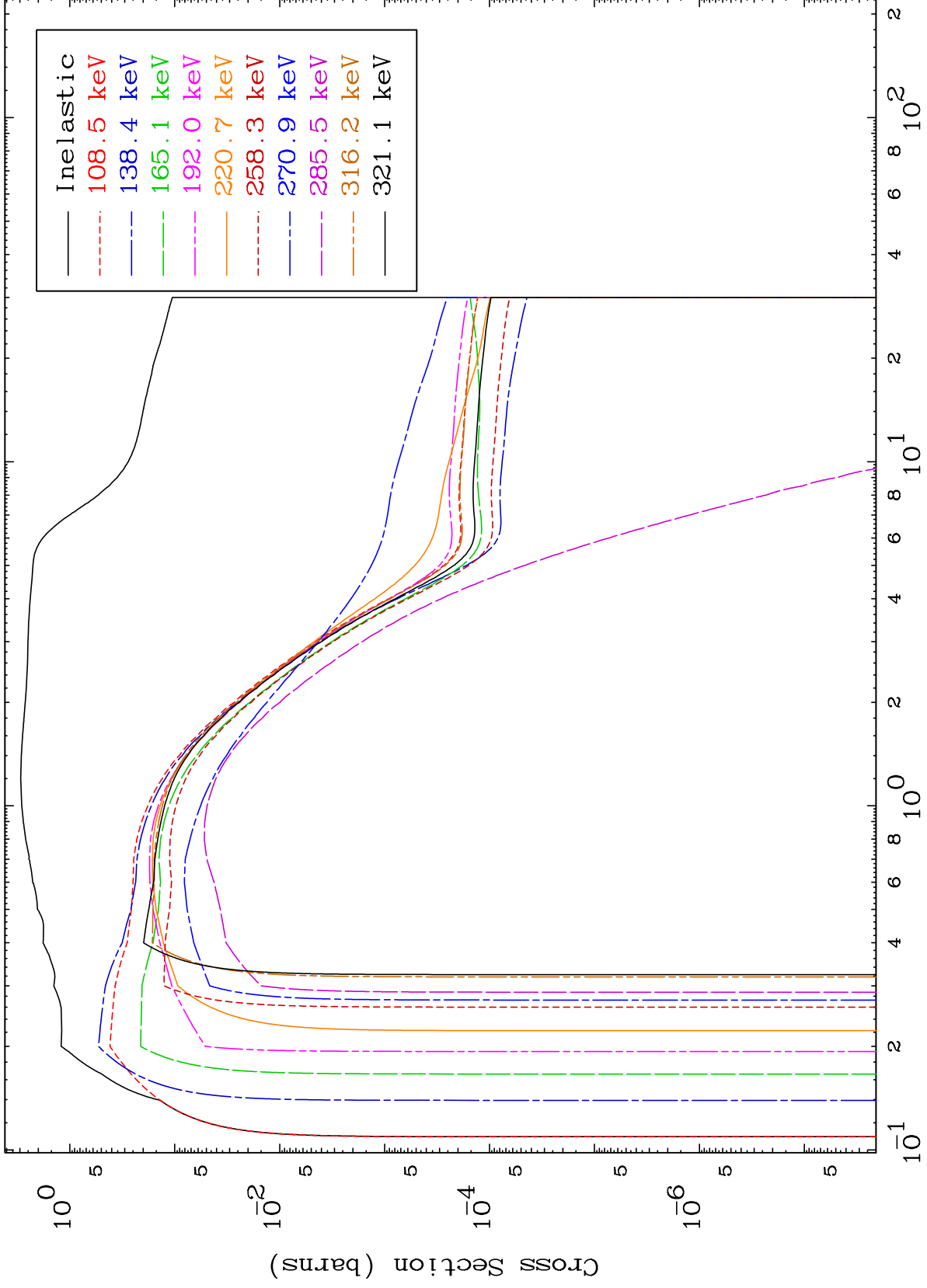




MAT 6046

(n,n') Level
293 Kelvin Cross Sections

60-Nd-149



60-Nd-149

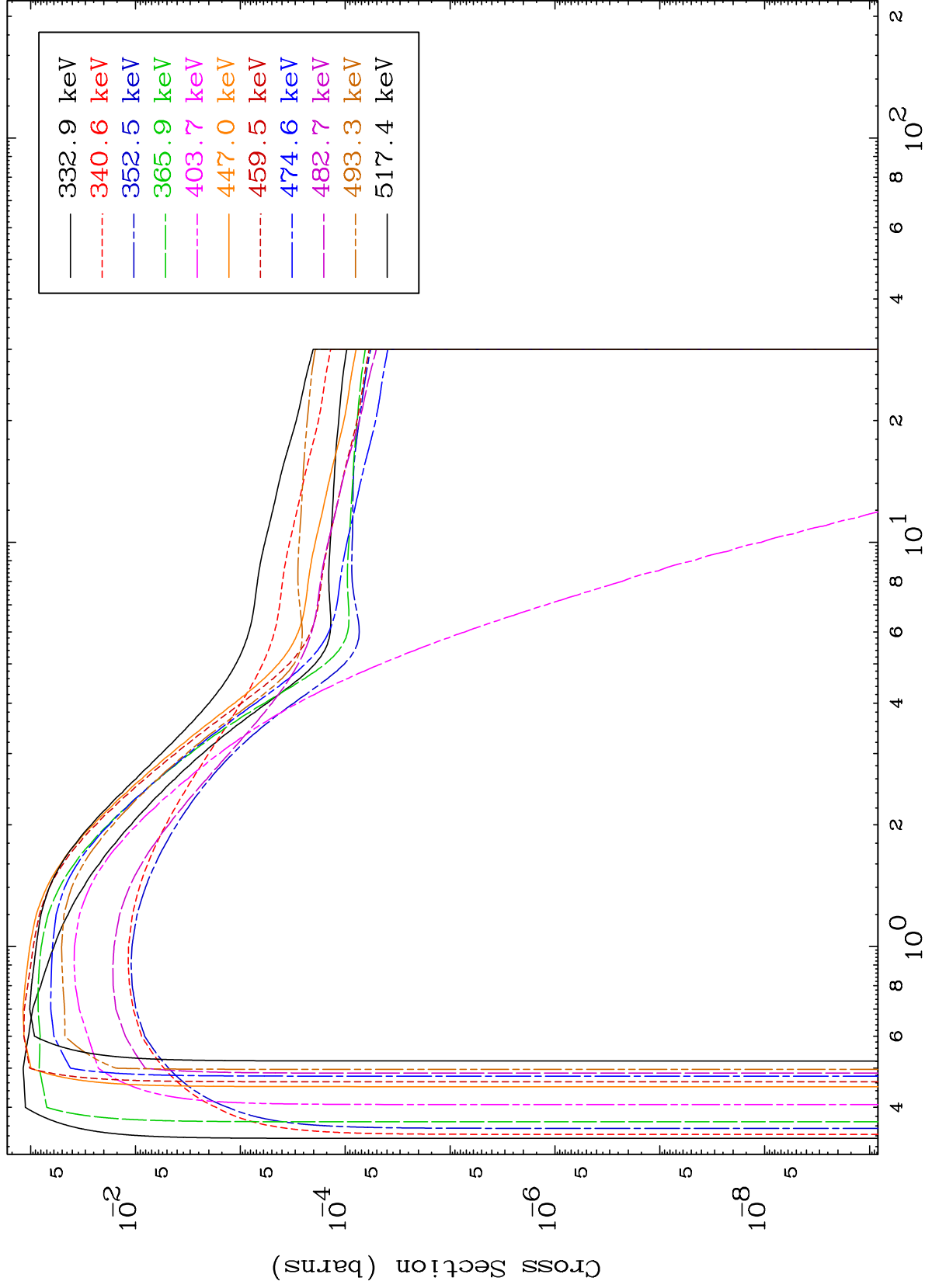
7

MAT 6046

(n,n') Level

60-Nd-149

293 Kelvin Cross Sections



8

Incident Energy (MeV)

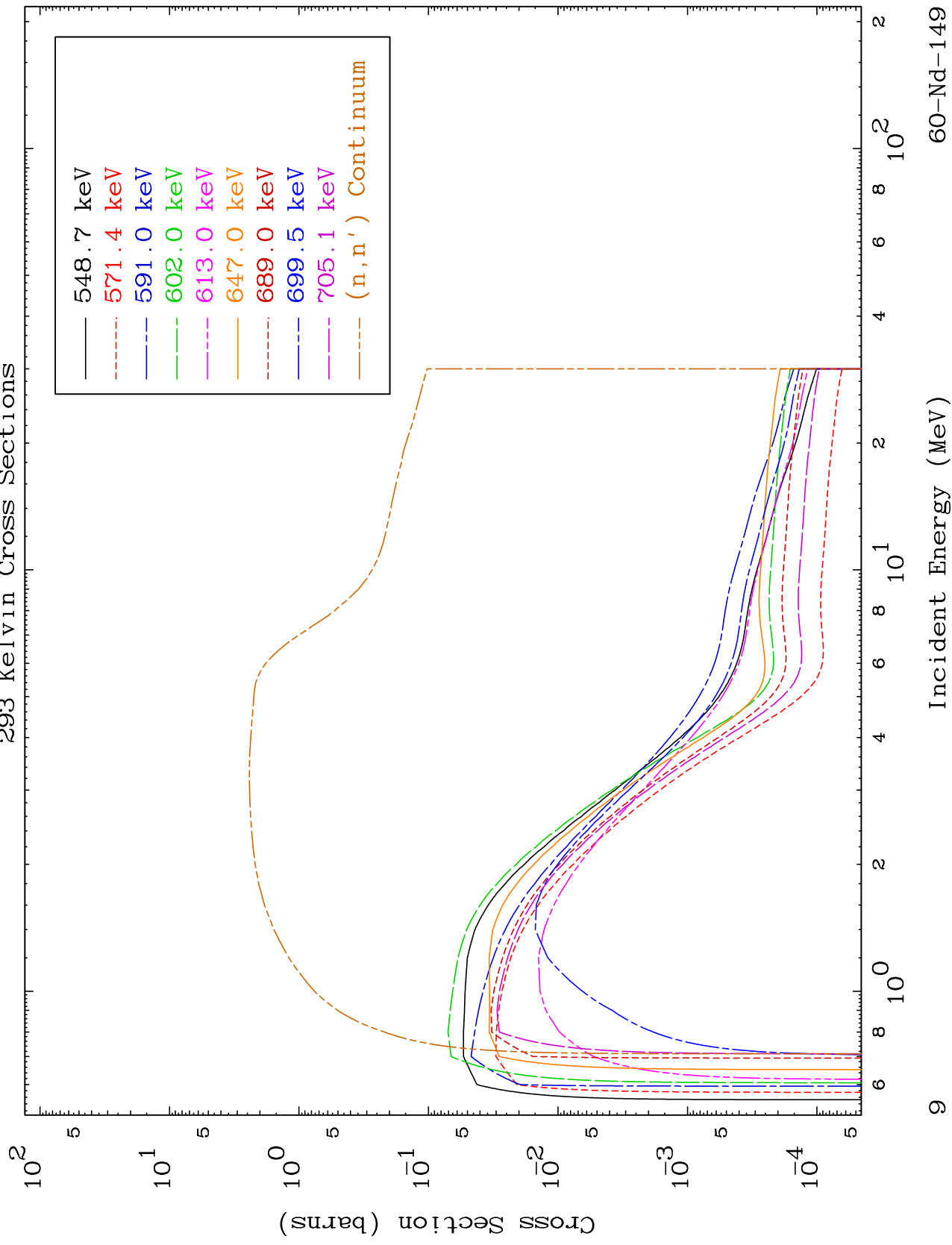
60-Nd-149

MAT 6046

(n,n') Level

60-Nd-149

293 Kelvin Cross Sections



9

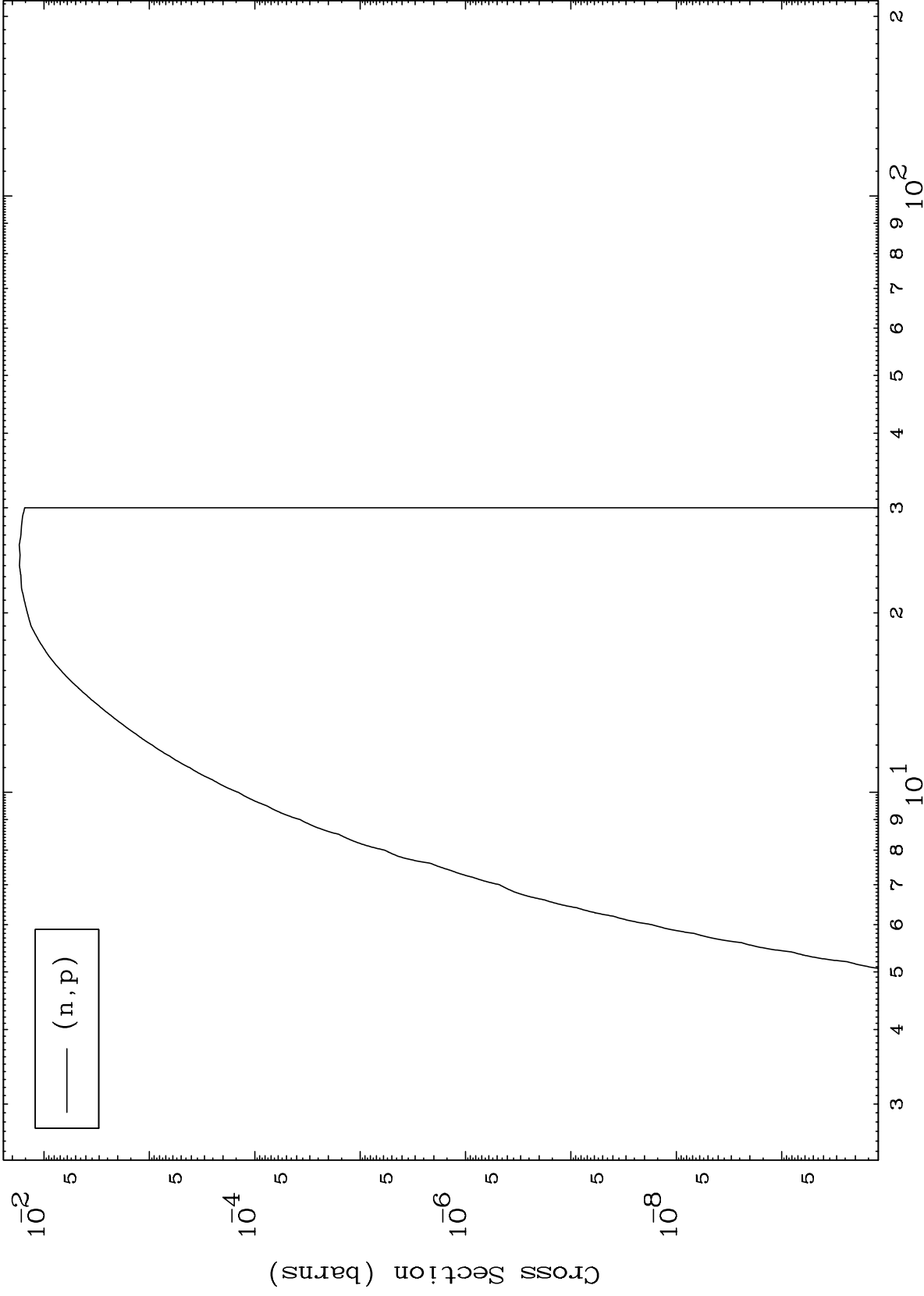
Incident Energy (MeV)

60-Nd-149

MAT 6046

(n,p) Levels
293 Kelvin Cross Sections

60-Nd-149



10

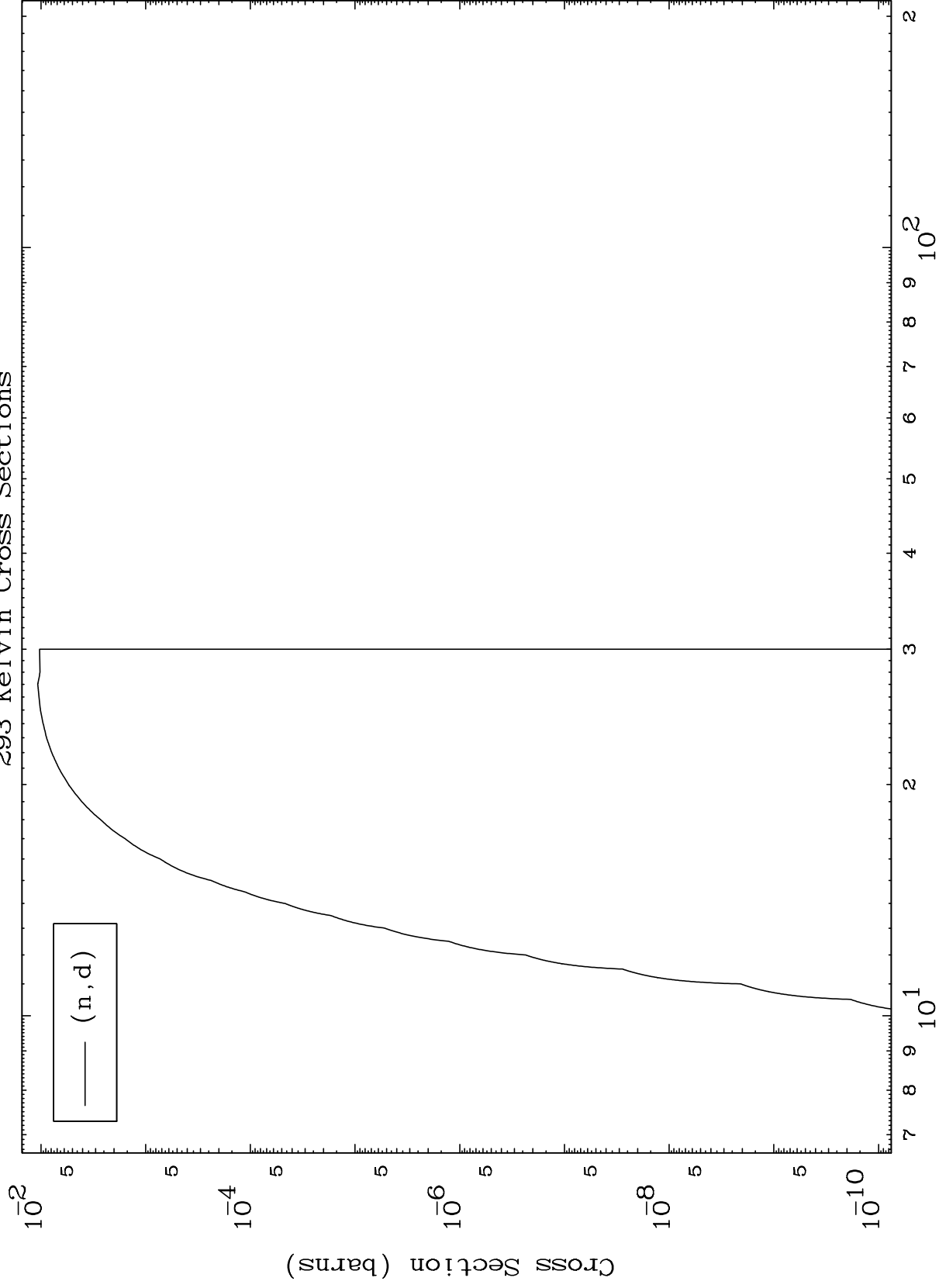
Incident Energy (MeV)

60-Nd-149

MAT 6046

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-149



11

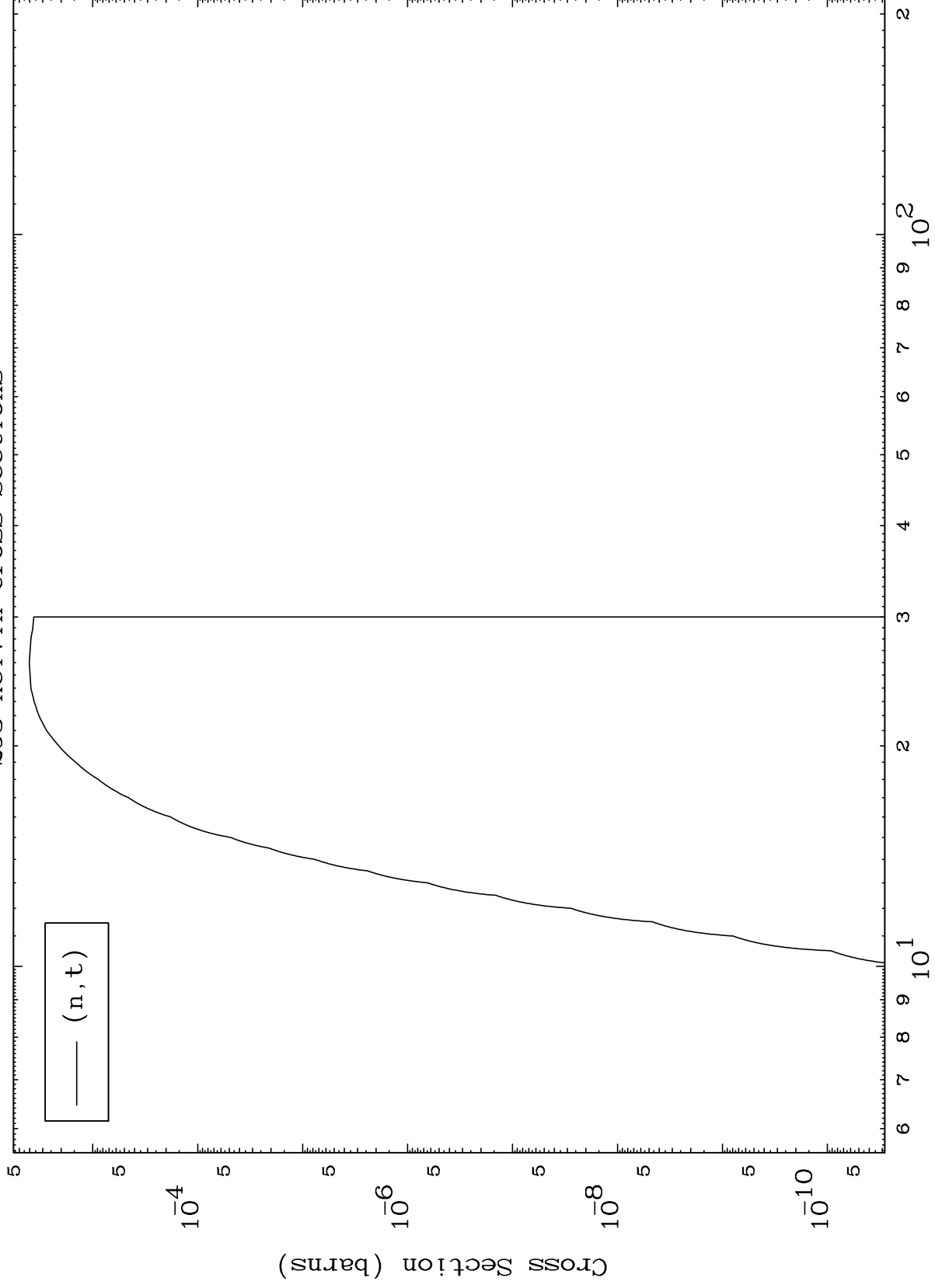
Incident Energy (MeV)

60-Nd-149

MAT 6046

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-149



12

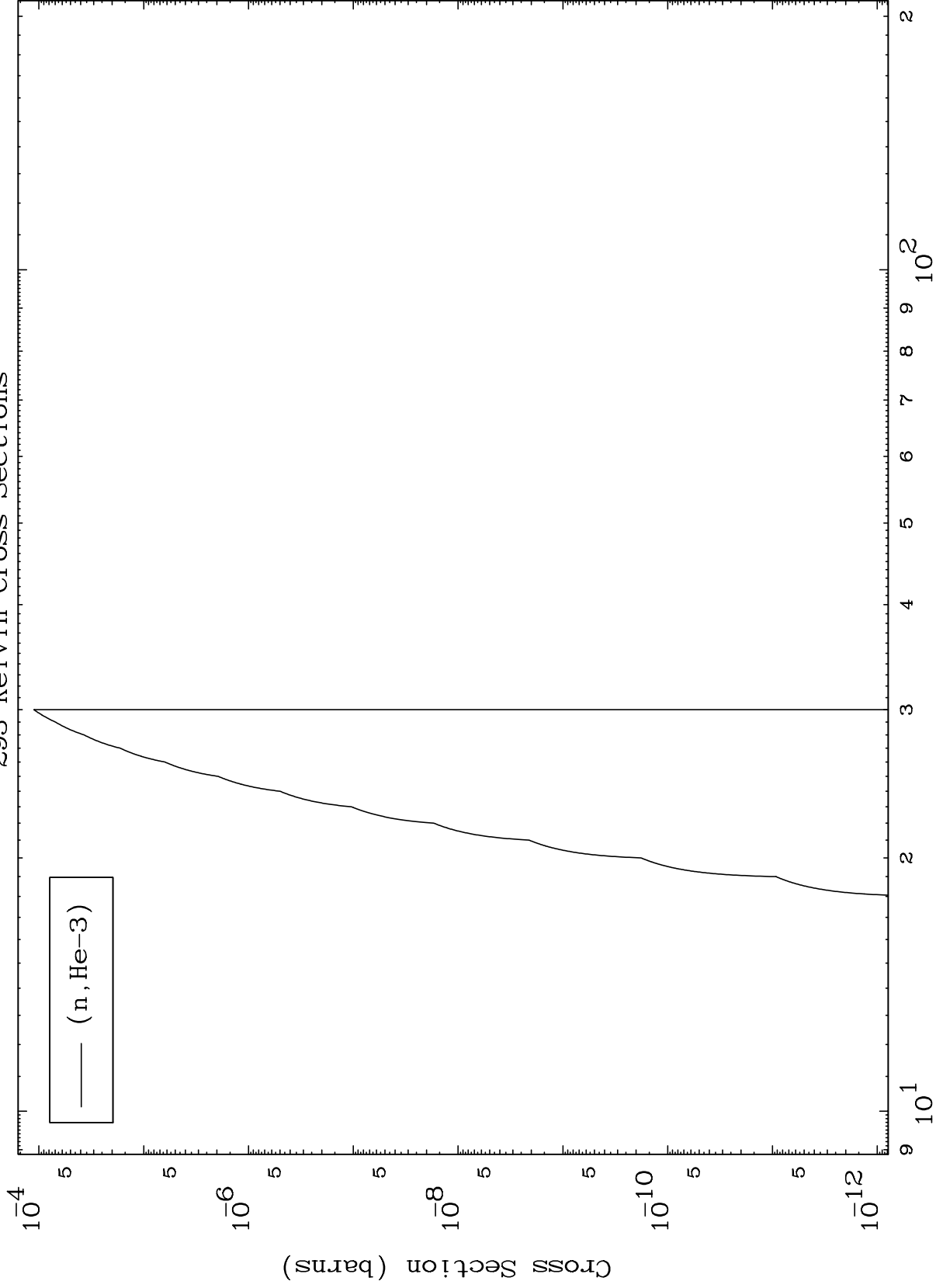
Incident Energy (MeV)

60-Nd-149

MAT 6046

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-149



13

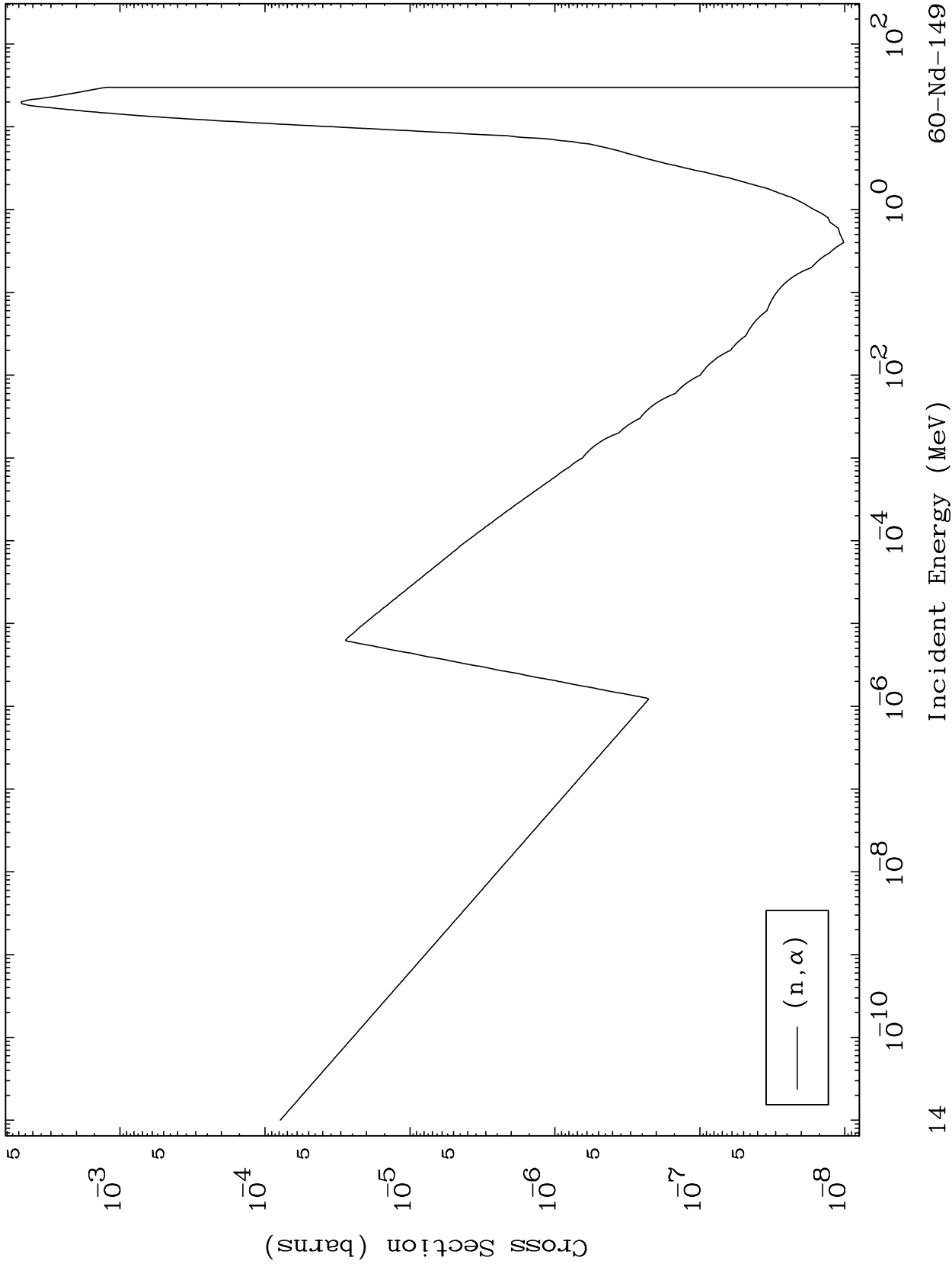
Incident Energy (MeV)

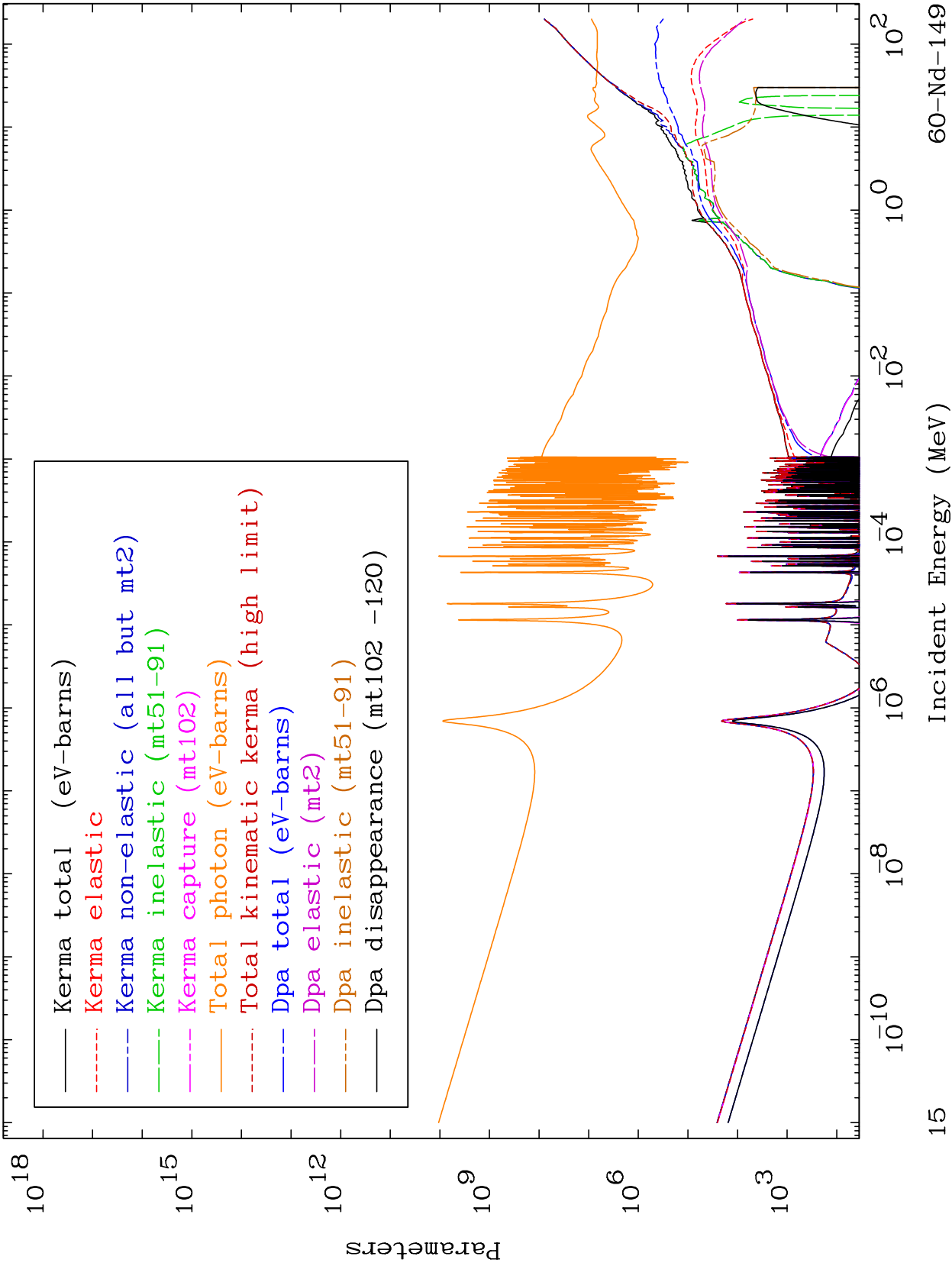
60-Nd-149

MAT 6046

(n,α) Levels
293 Kelvin Cross Sections

60-Nd-149

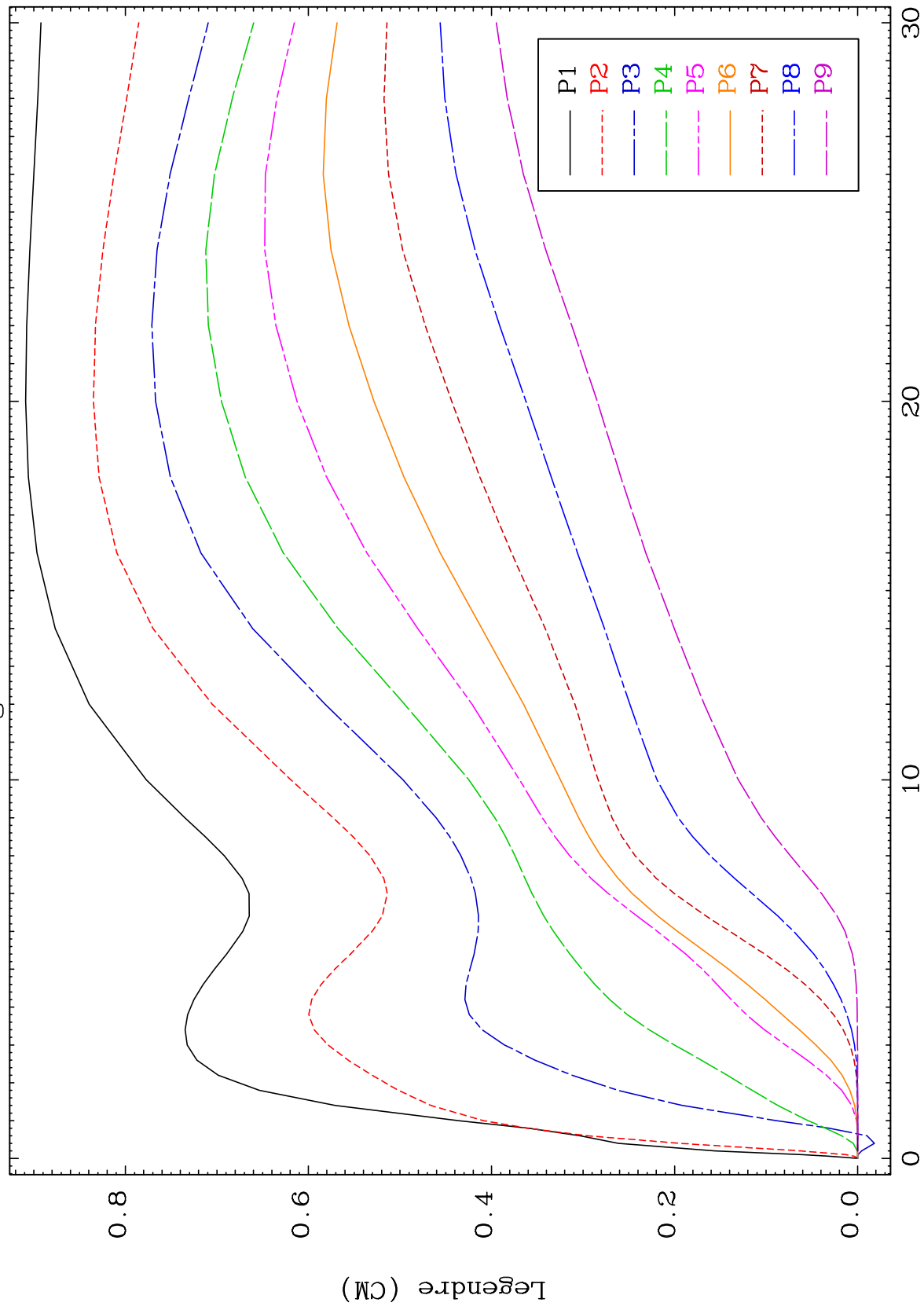




MAT 6046

Elastic Legendre Coefficients

60-Nd-149



16

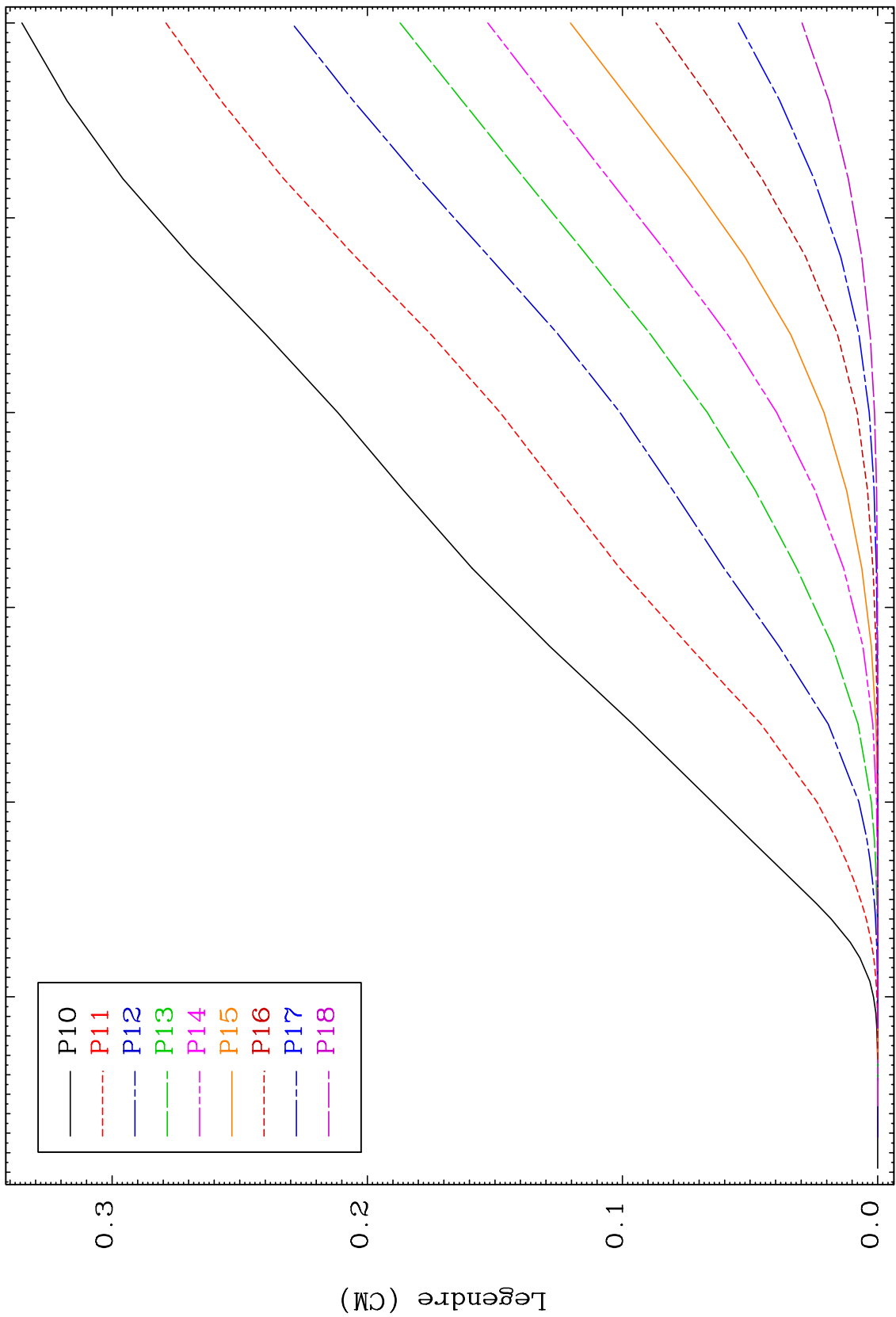
Incident Energy (MeV)

60-Nd-149

MAT 6046

Elastic Legendre Coefficients

60-Nd-149



17

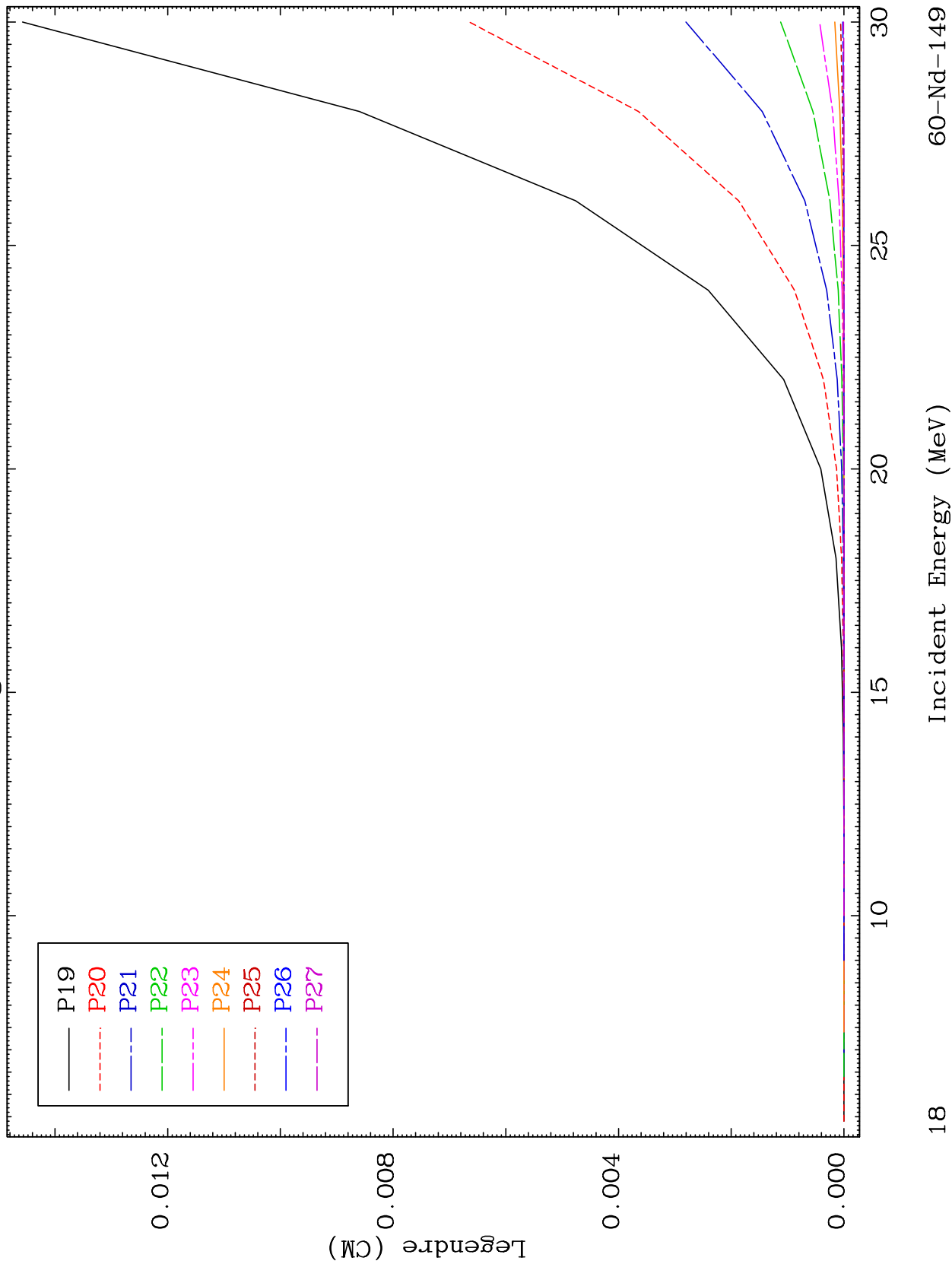
Incident Energy (MeV)

60-Nd-149

MAT 6046

Elastic Legendre Coefficients

60-Nd-149



18

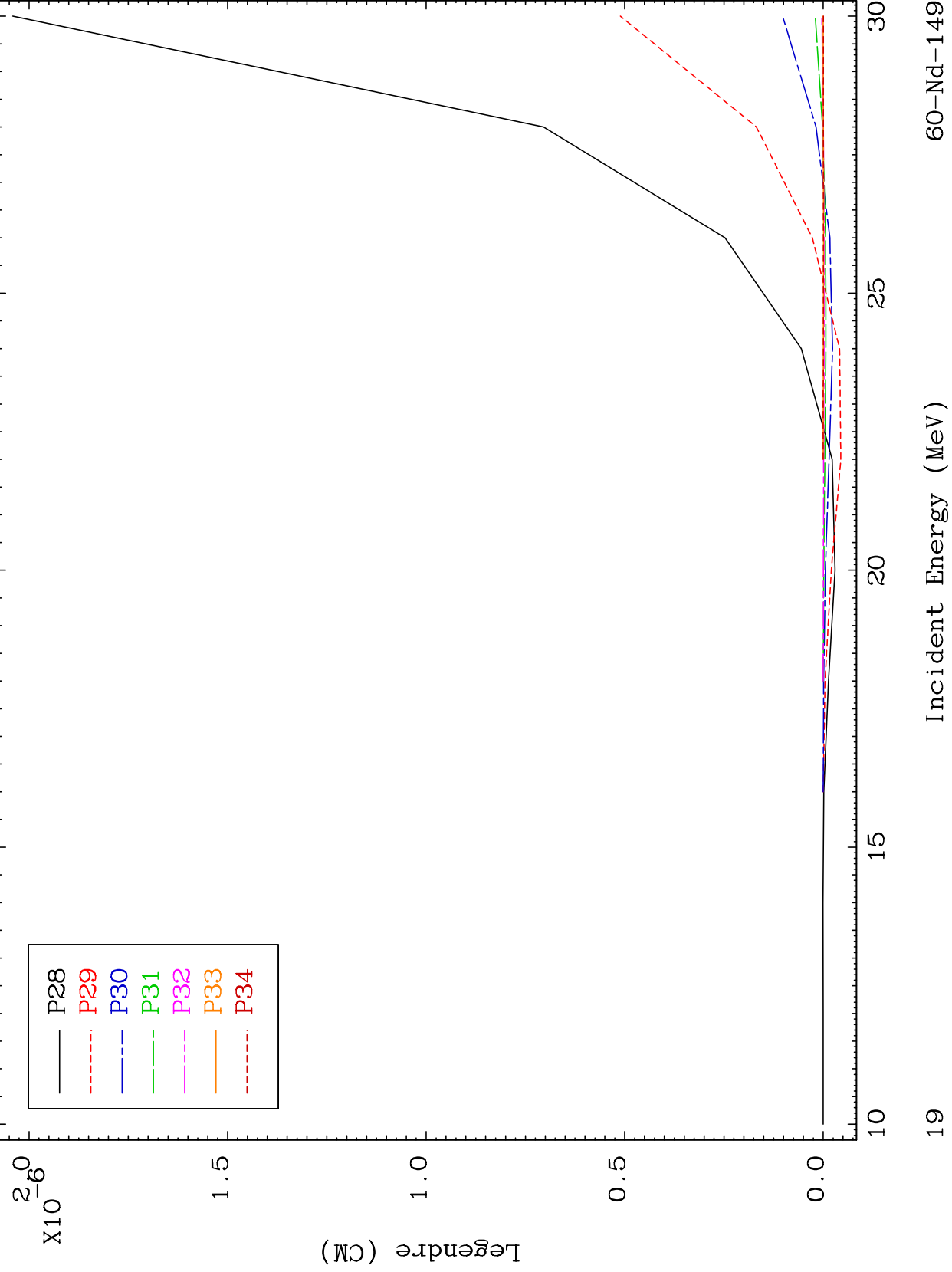
Incident Energy (MeV)

60-Nd-149

MAT 6046

Elastic
Legendre Coefficients

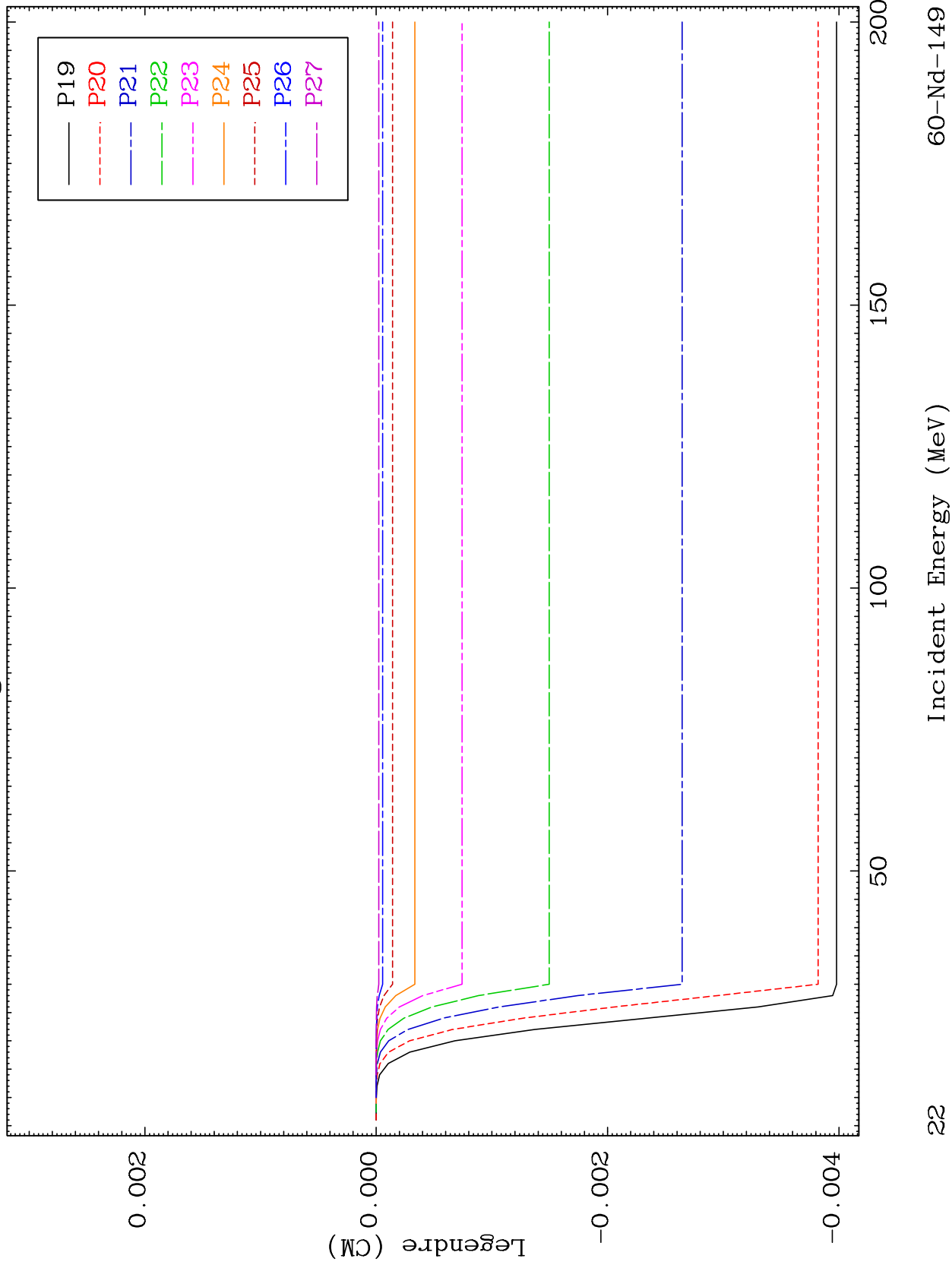
60-Nd-149



MAT 6046

108.5 keV (n,n') Level
Legendre Coefficients

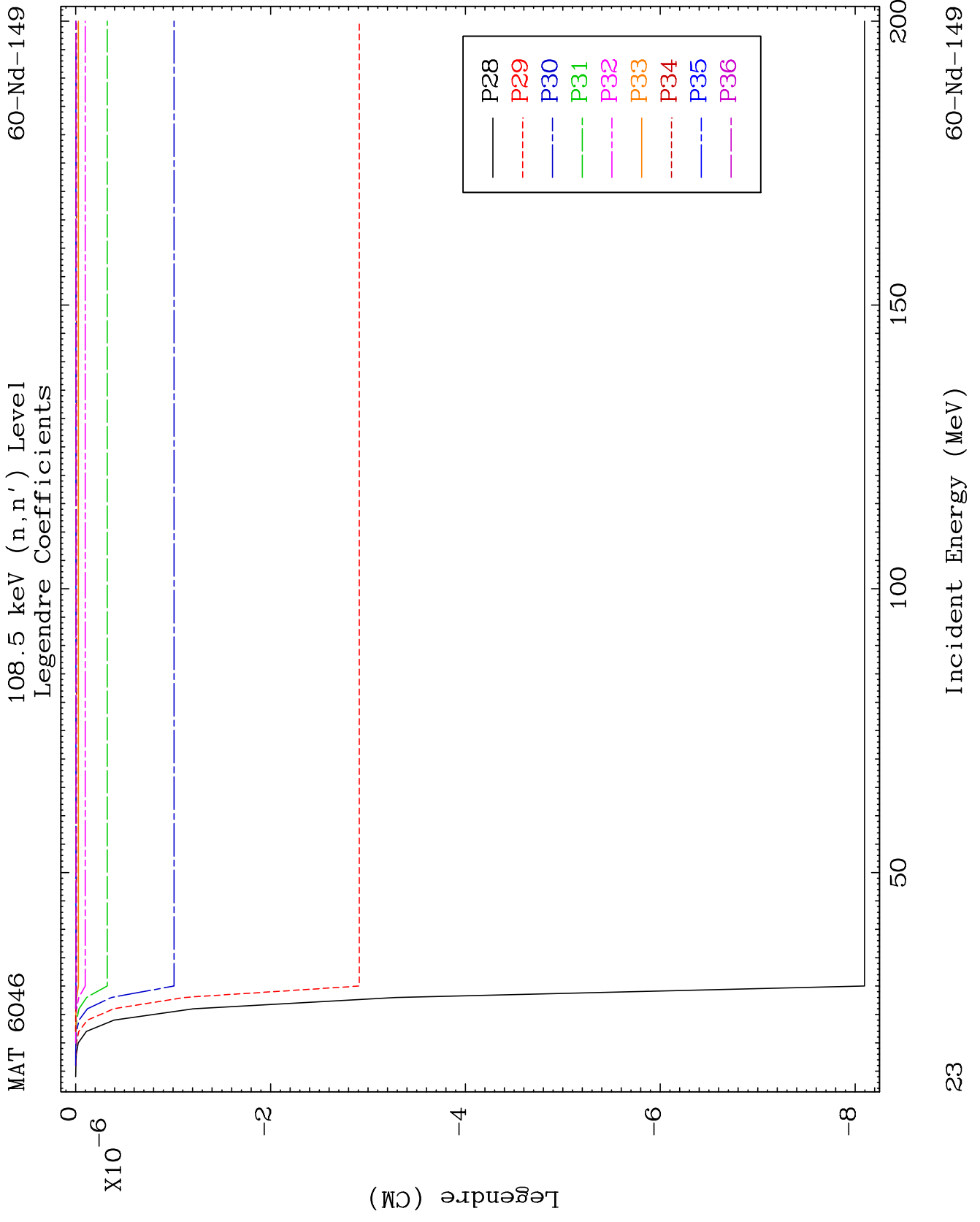
60-Nd-149

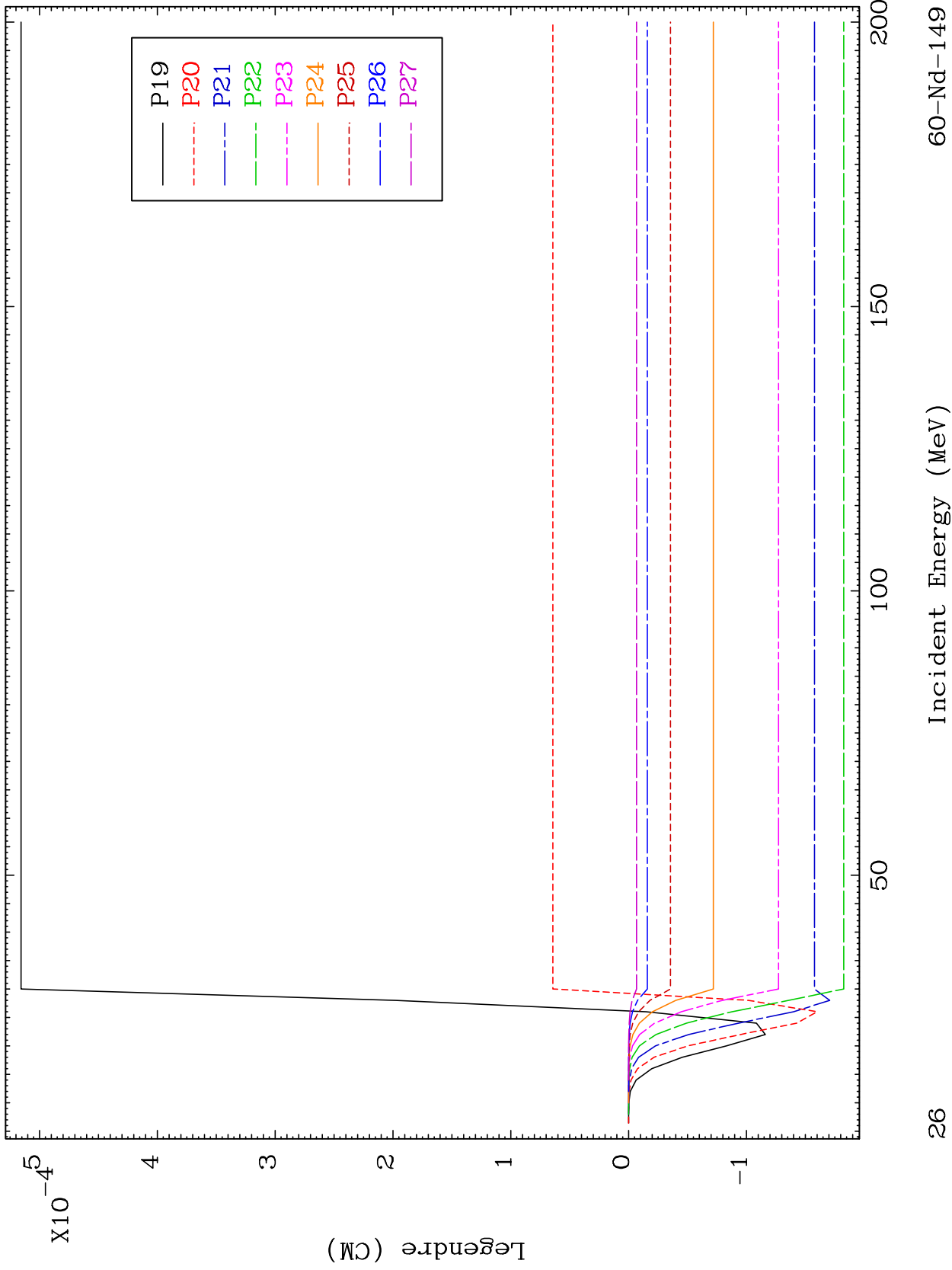


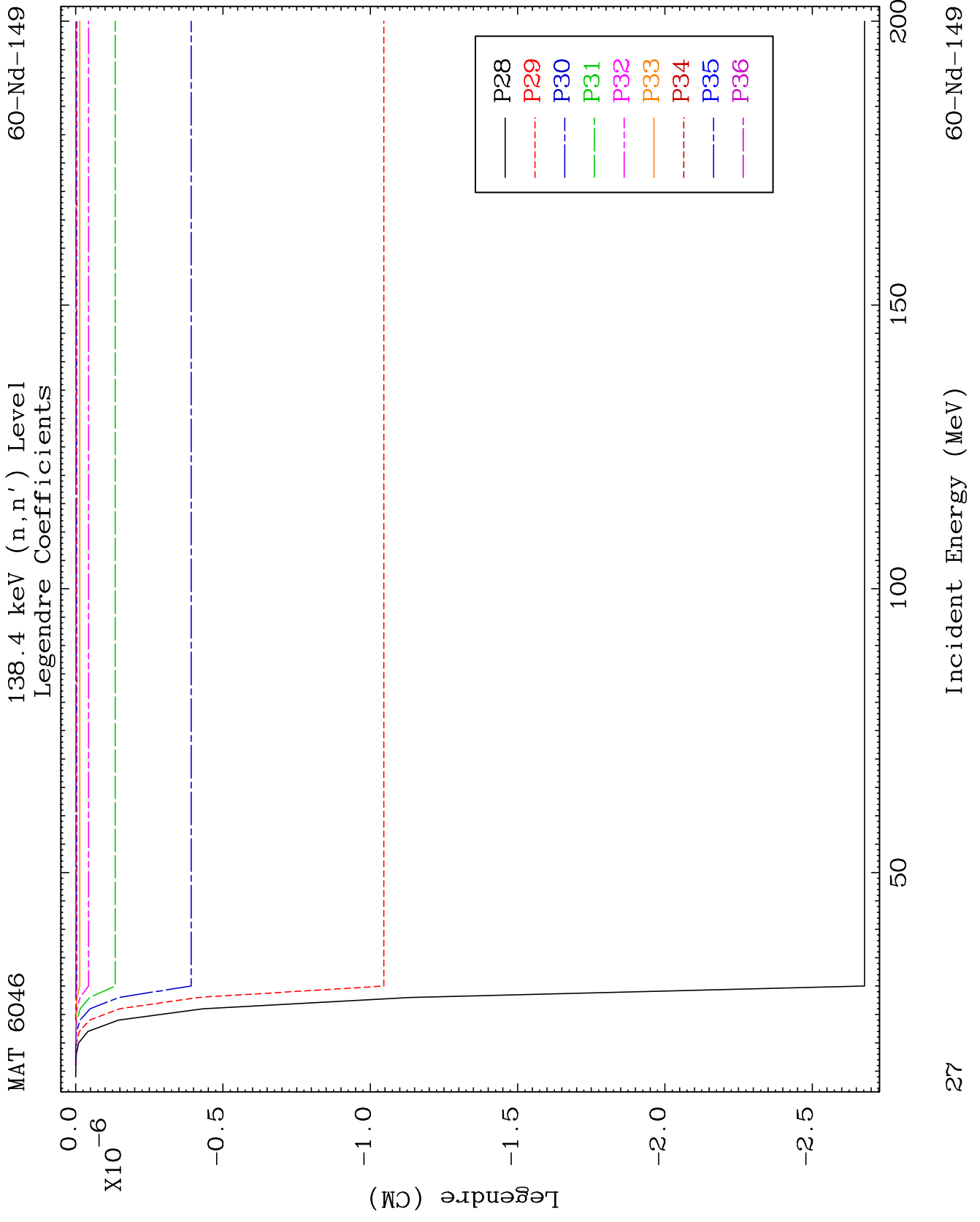
22

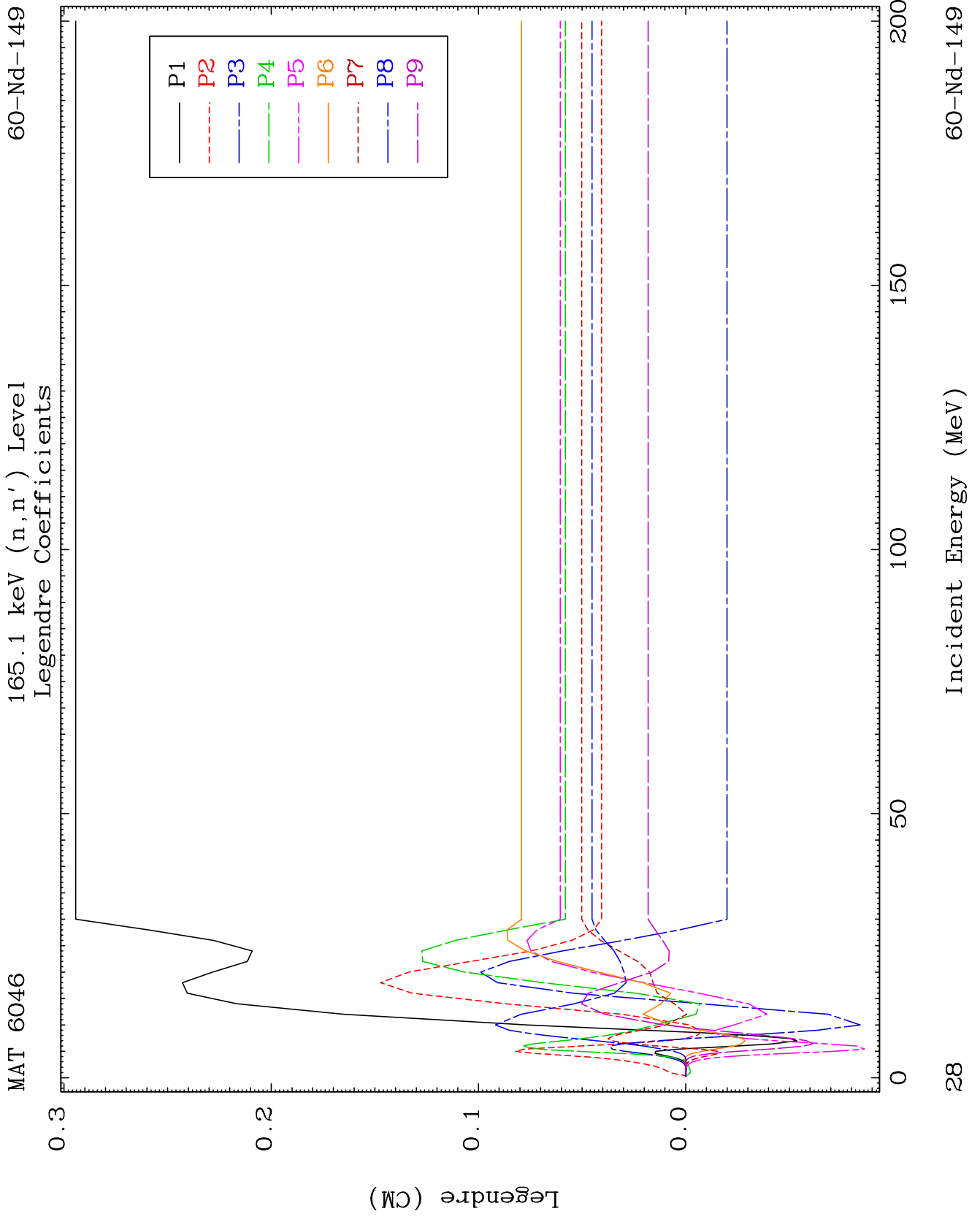
Incident Energy (MeV)

60-Nd-149





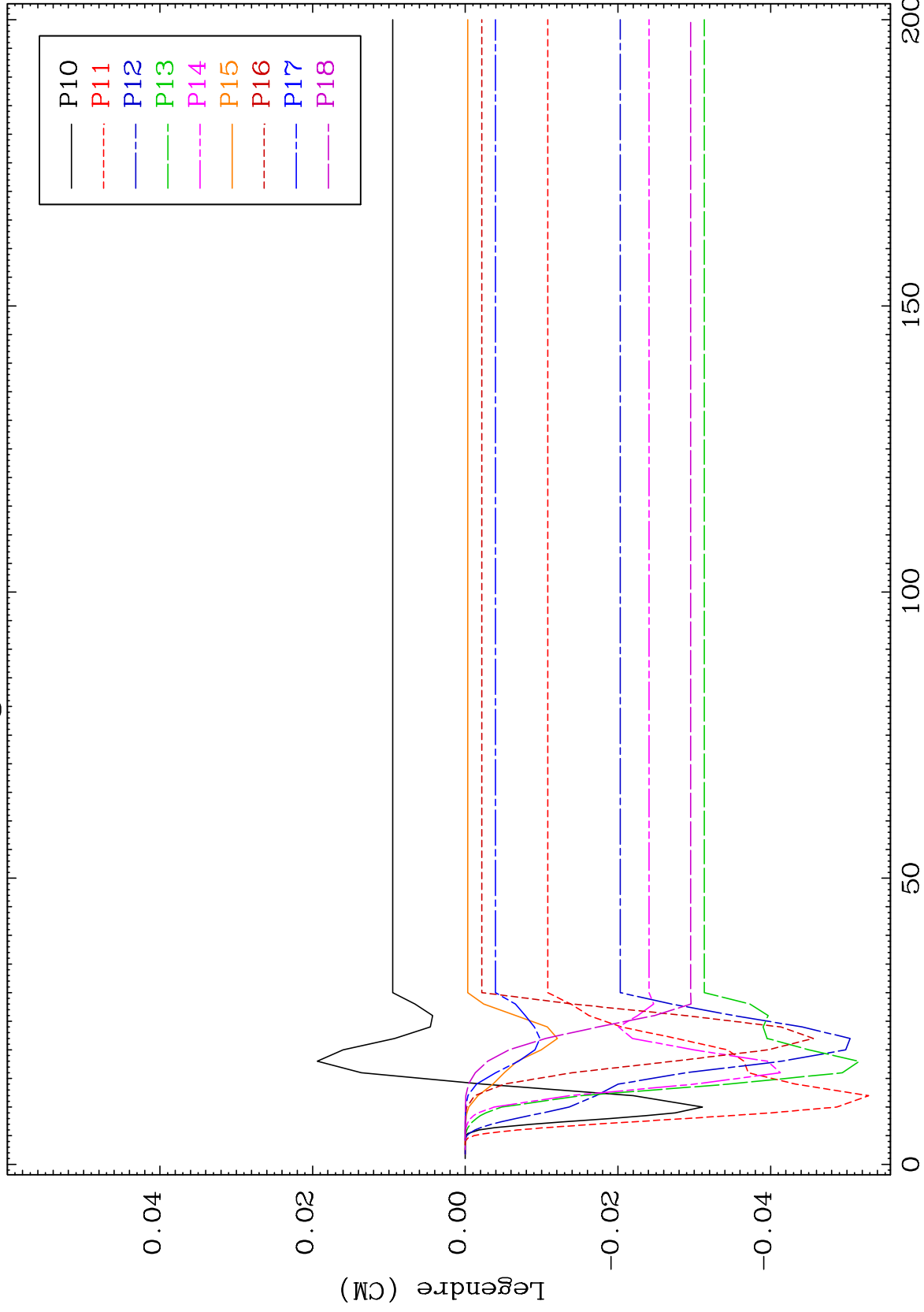




MAT 6046

165.1 keV (n,n') Level
Legendre Coefficients

60-Nd-149



29

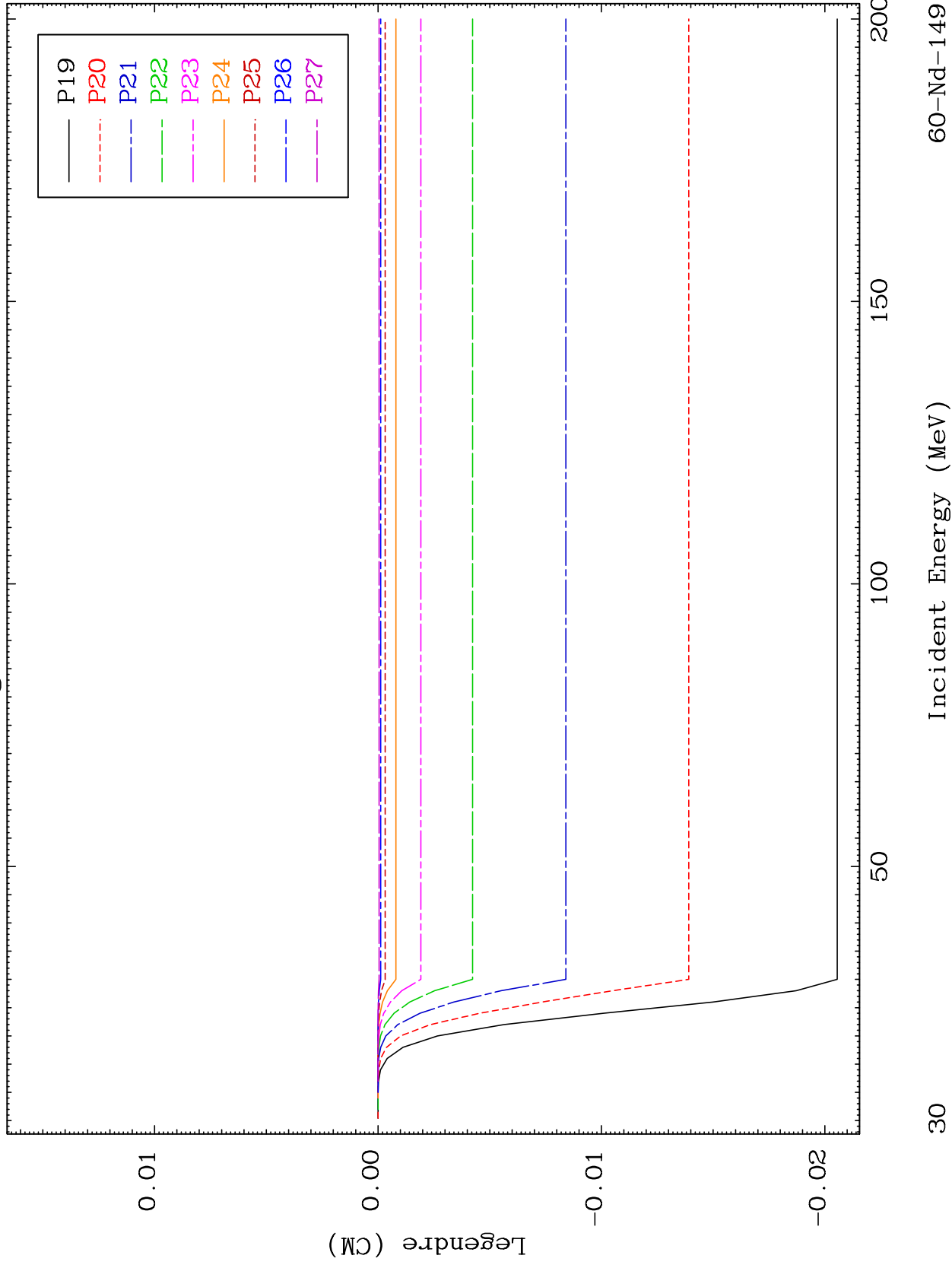
Incident Energy (MeV)

60-Nd-149

MAT 6046

165.1 keV (n,n') Level
Legendre Coefficients

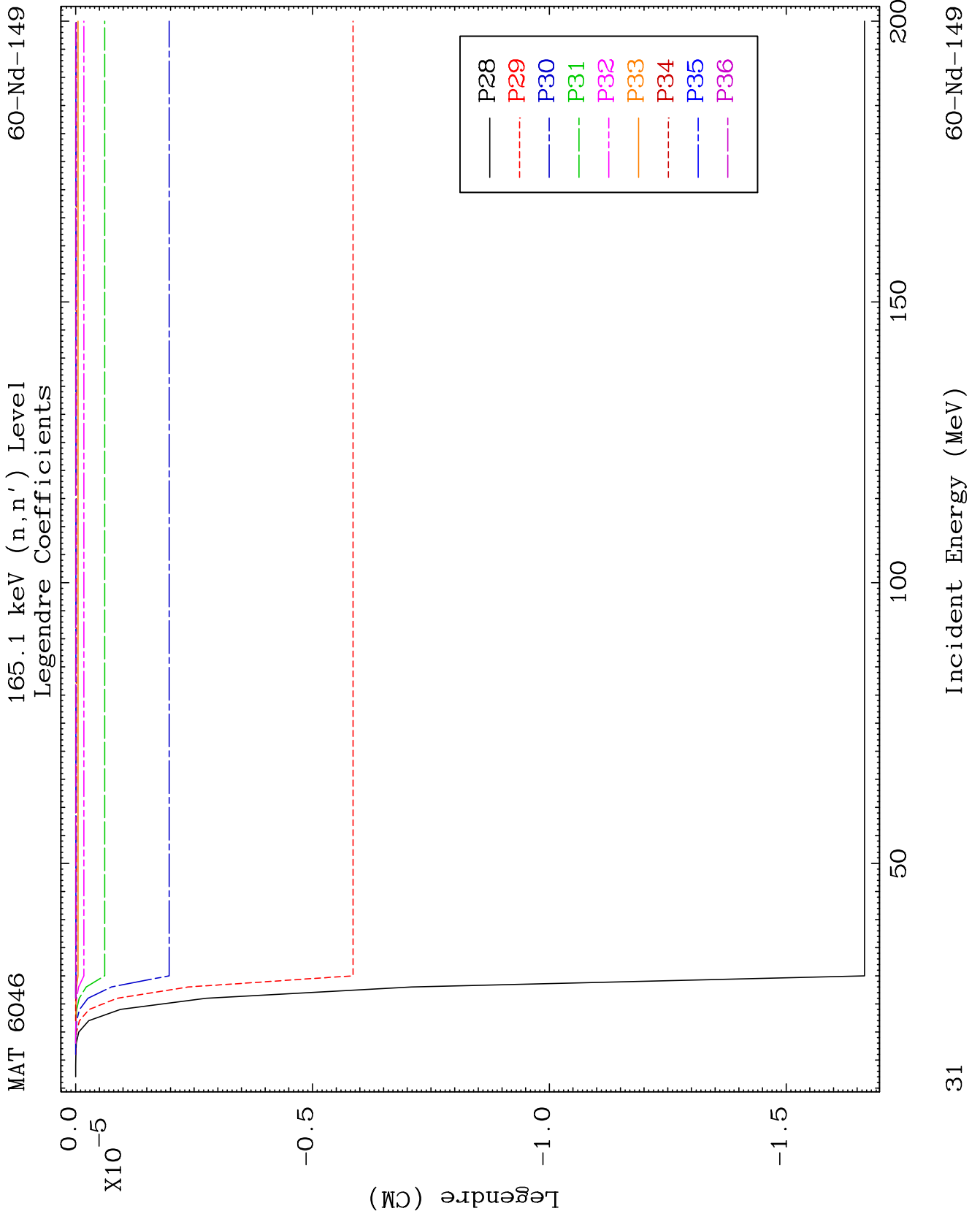
60-Nd-149

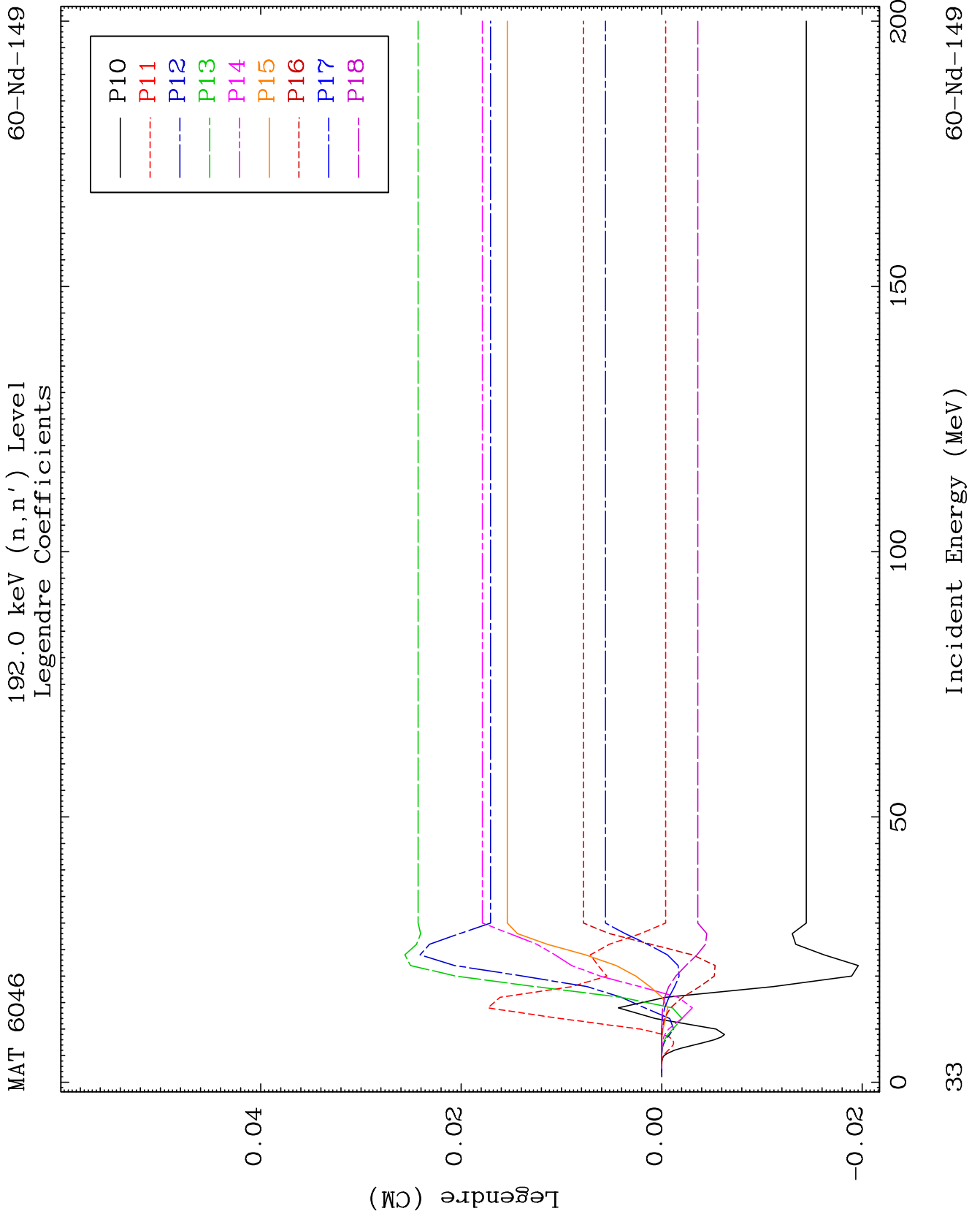


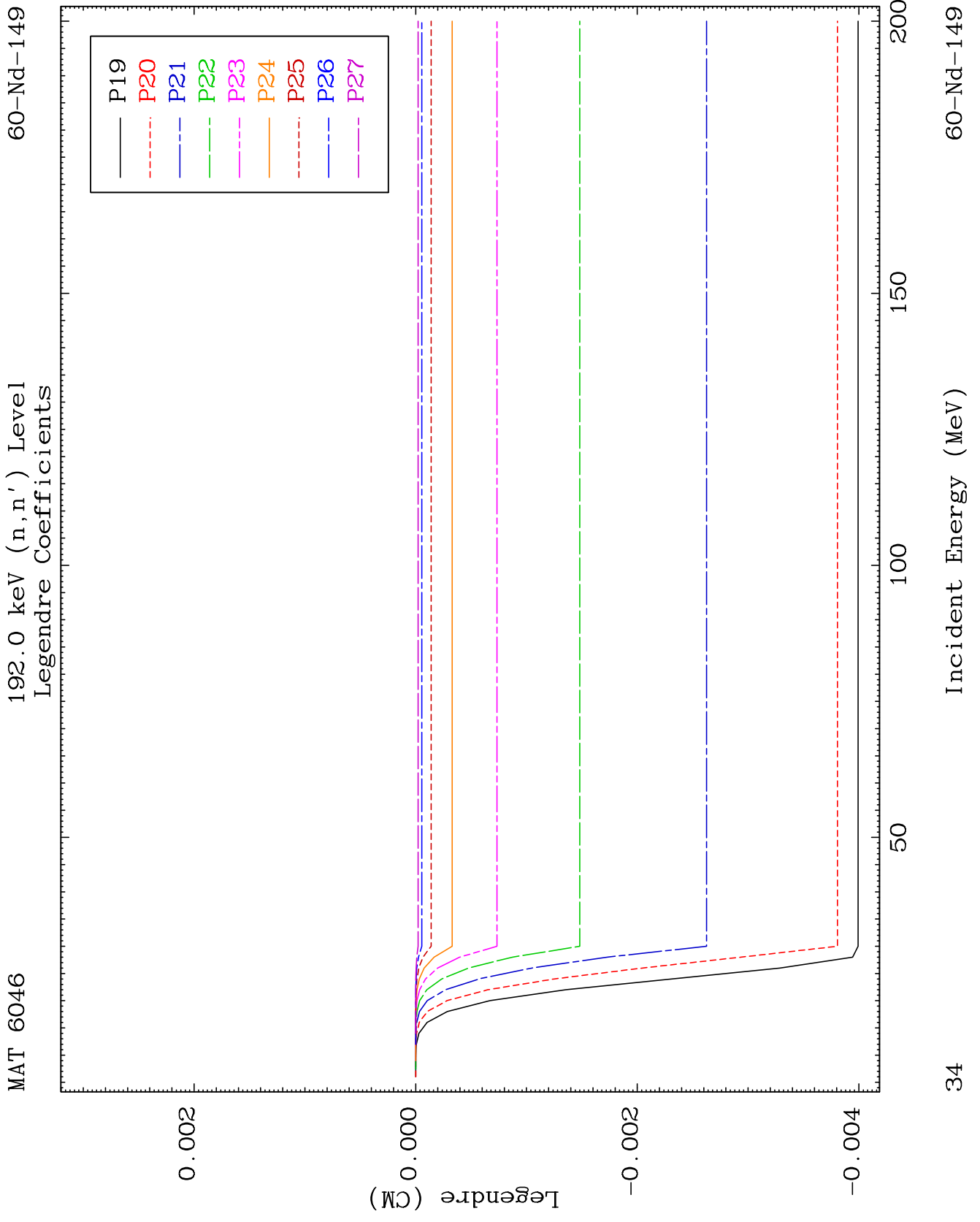
60-Nd-149

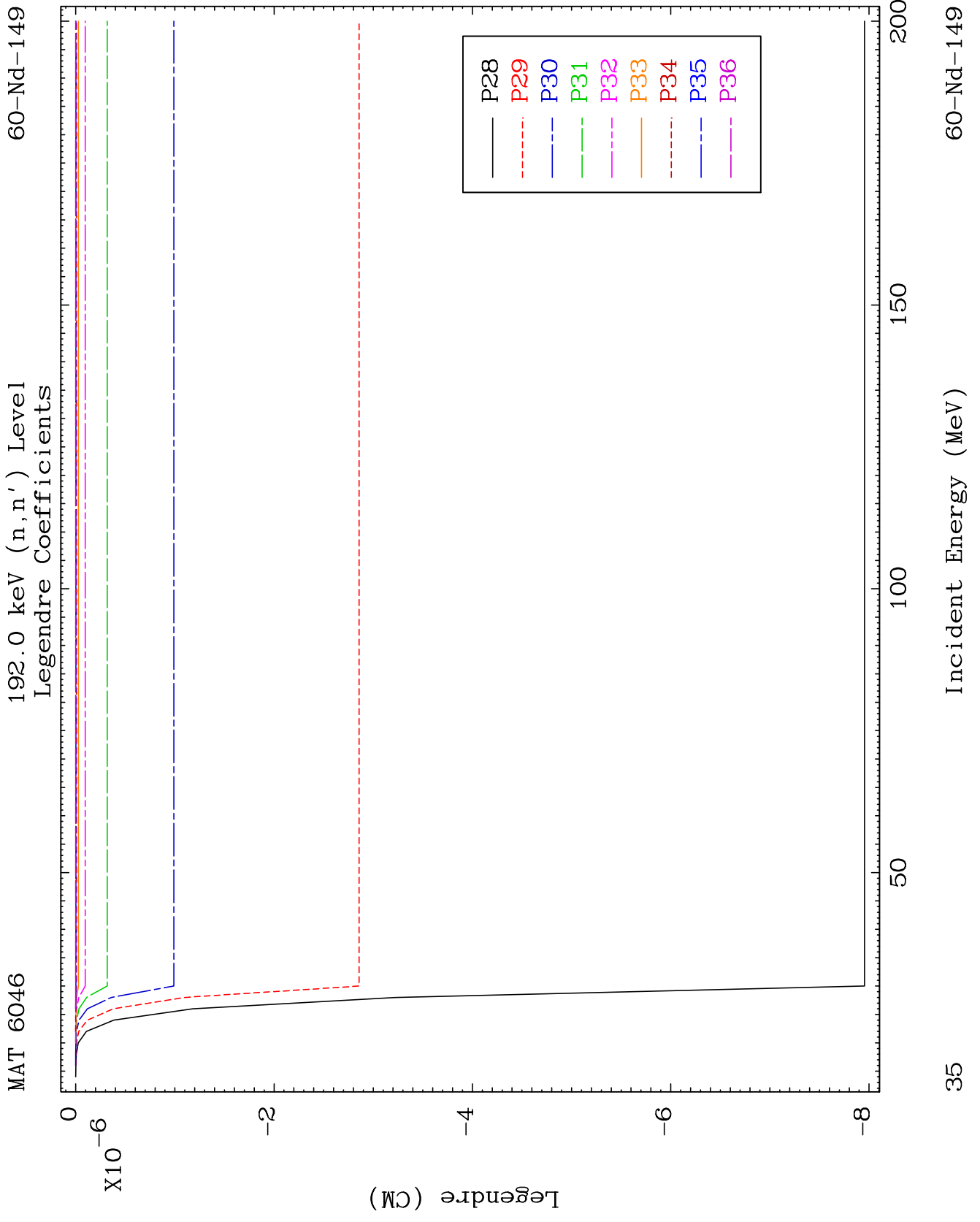
Incident Energy (MeV)

30





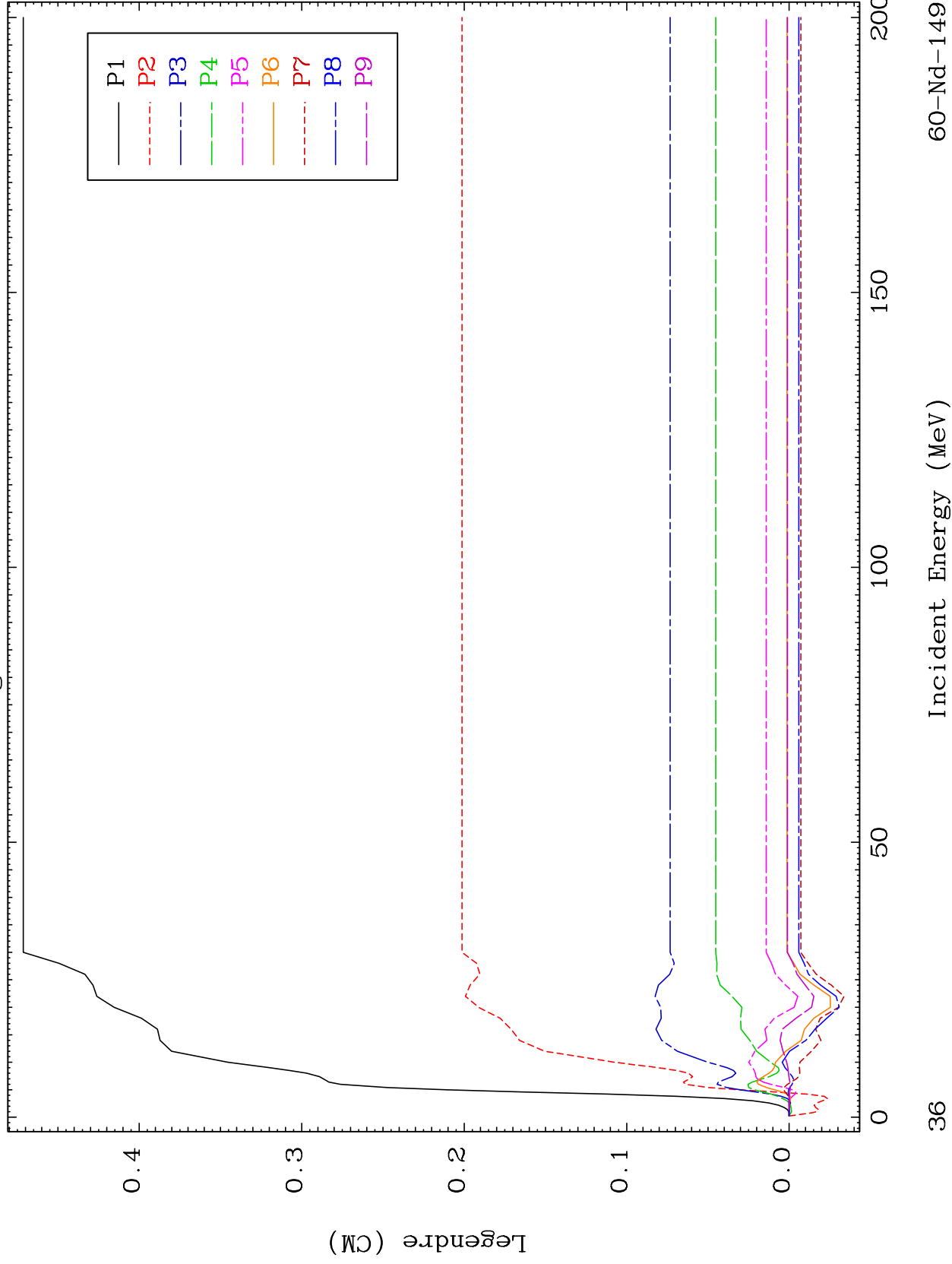




MAT 6046

220.7 keV (n,n') Level
Legendre Coefficients

60-Nd-149



60-Nd-149

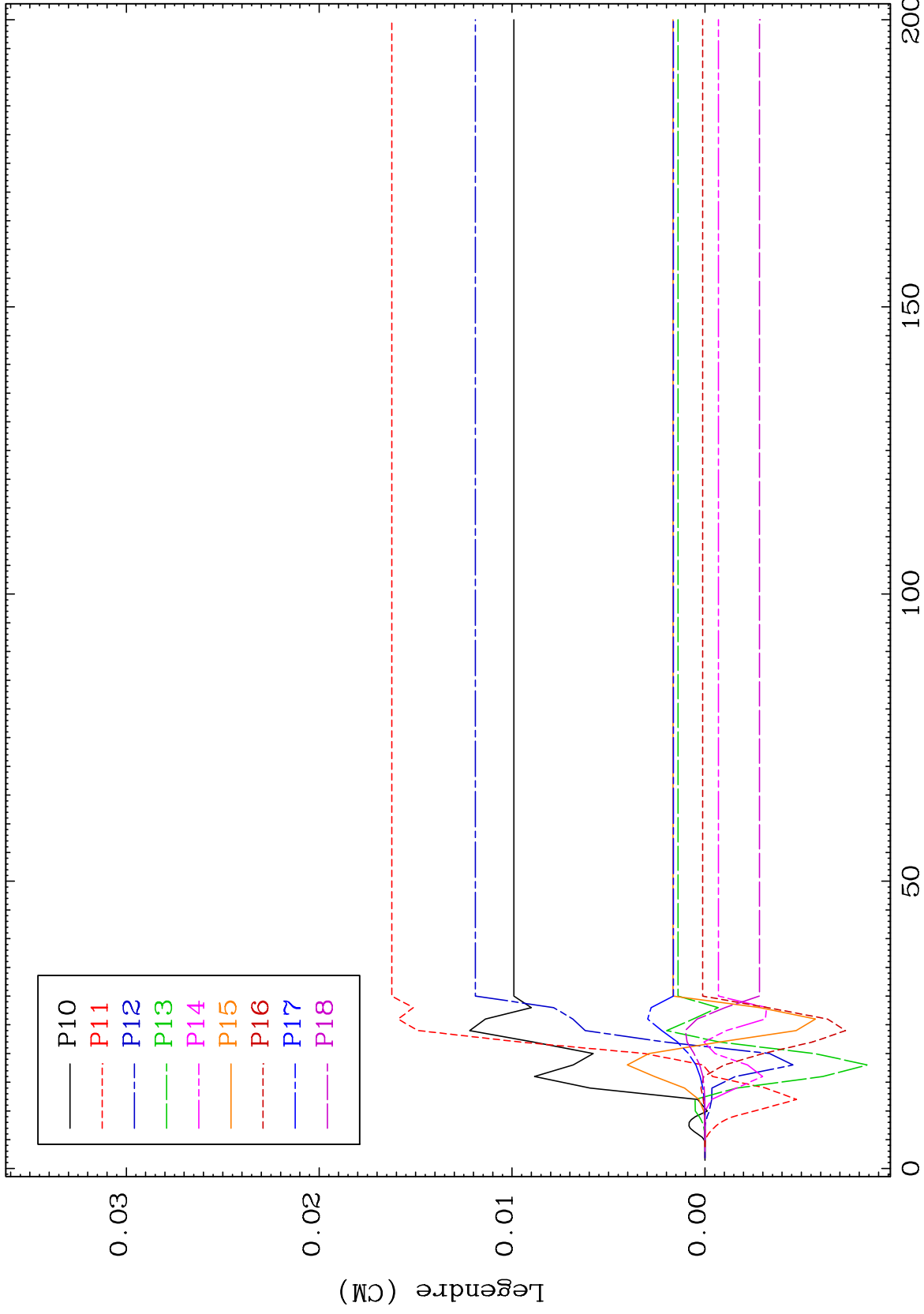
Incident Energy (MeV)

36

MAT 6046

220.7 keV (n,n') Level
Legendre Coefficients

60-Nd-149



37

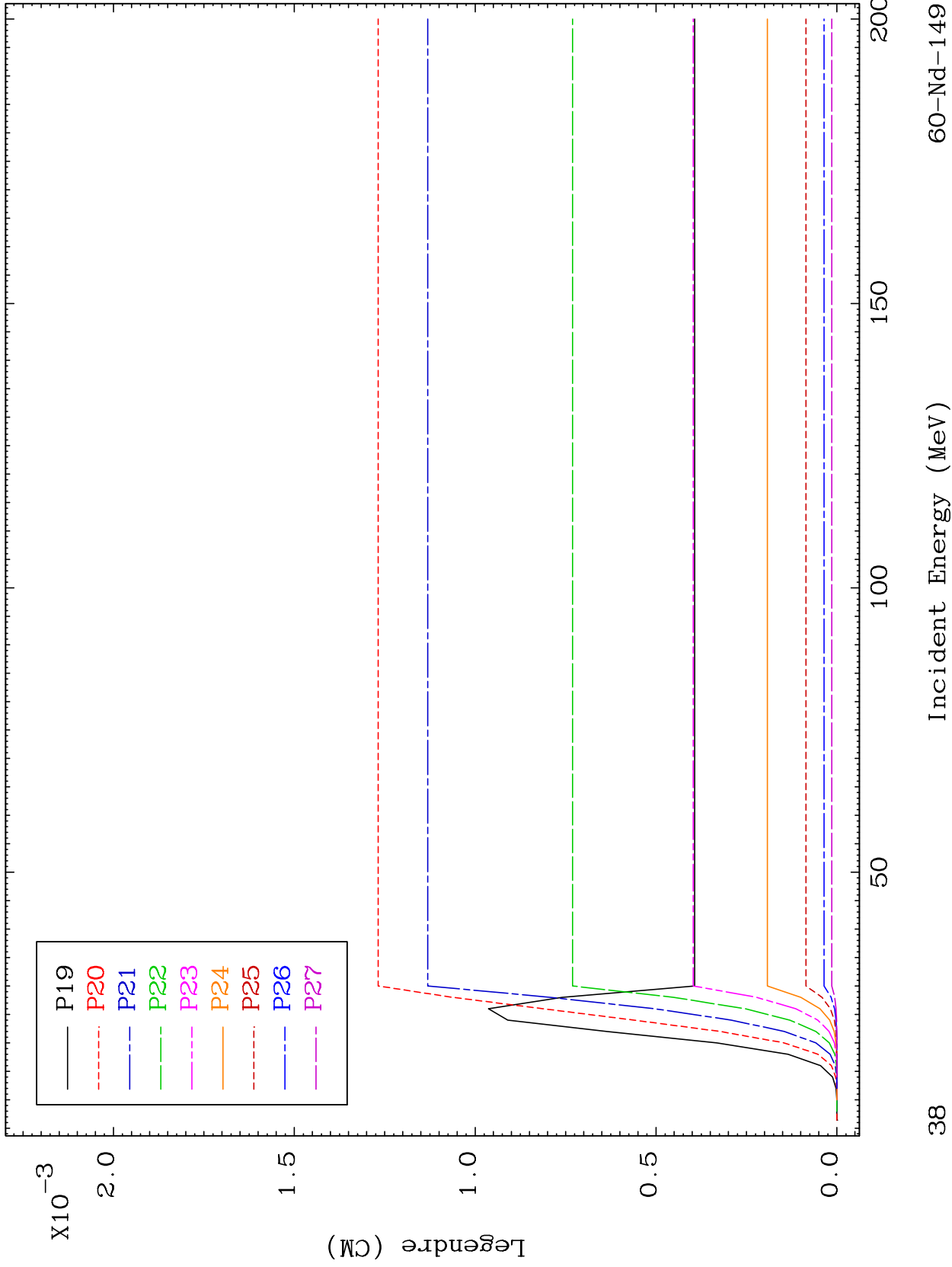
Incident Energy (MeV)

60-Nd-149

MAT 6046

220.7 keV (n,n') Level
Legendre Coefficients

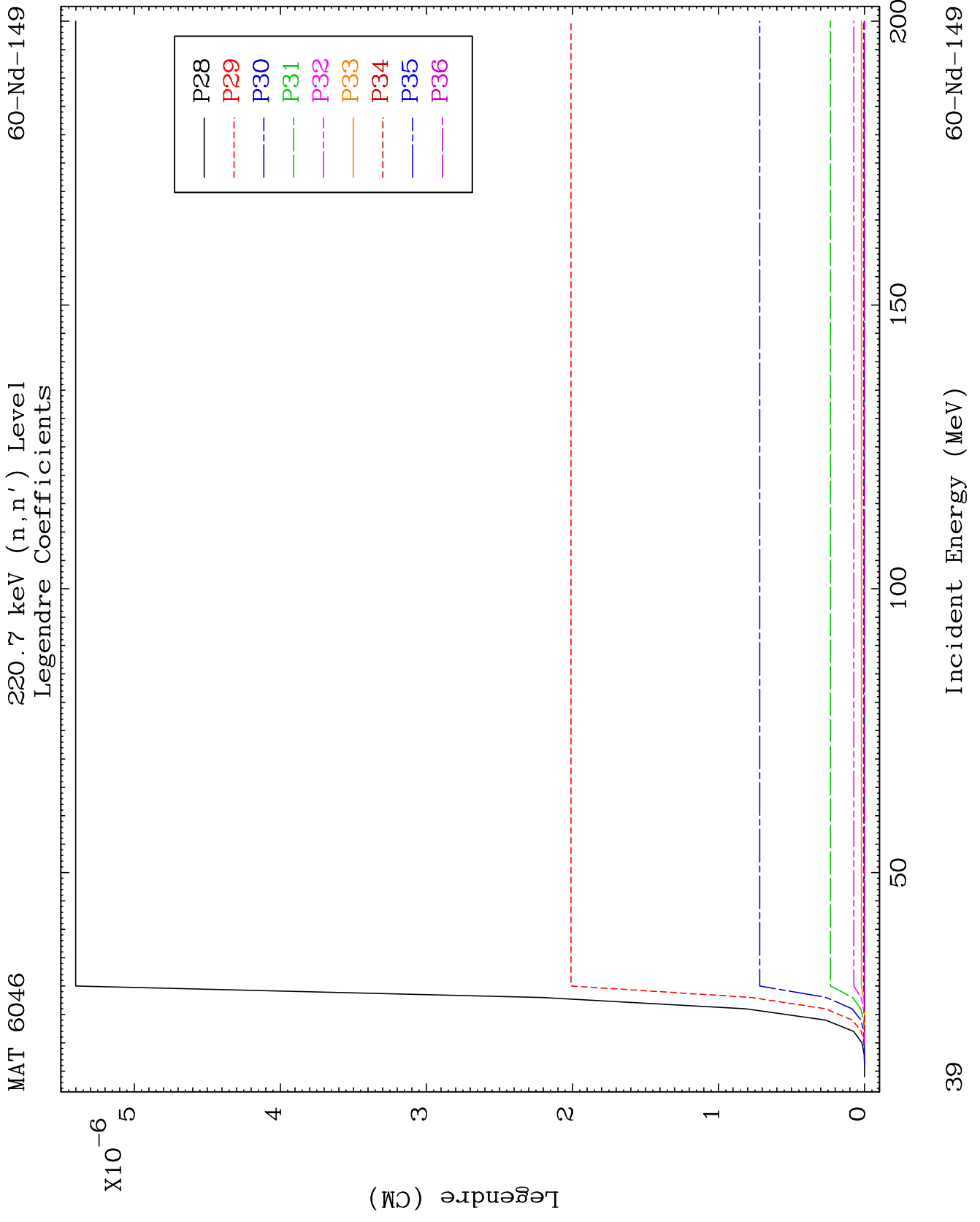
60-Nd-149

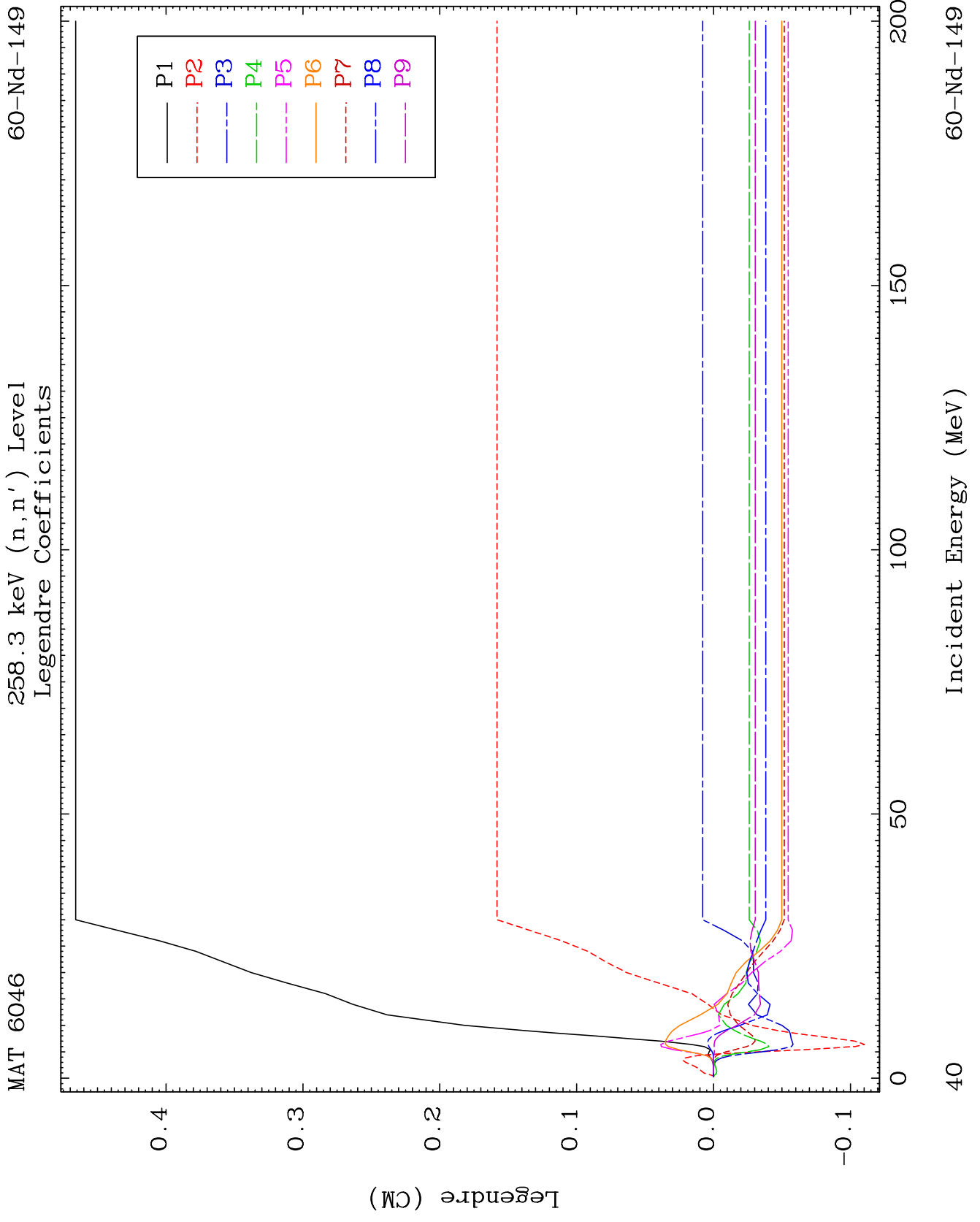


38

Incident Energy (MeV)

60-Nd-149

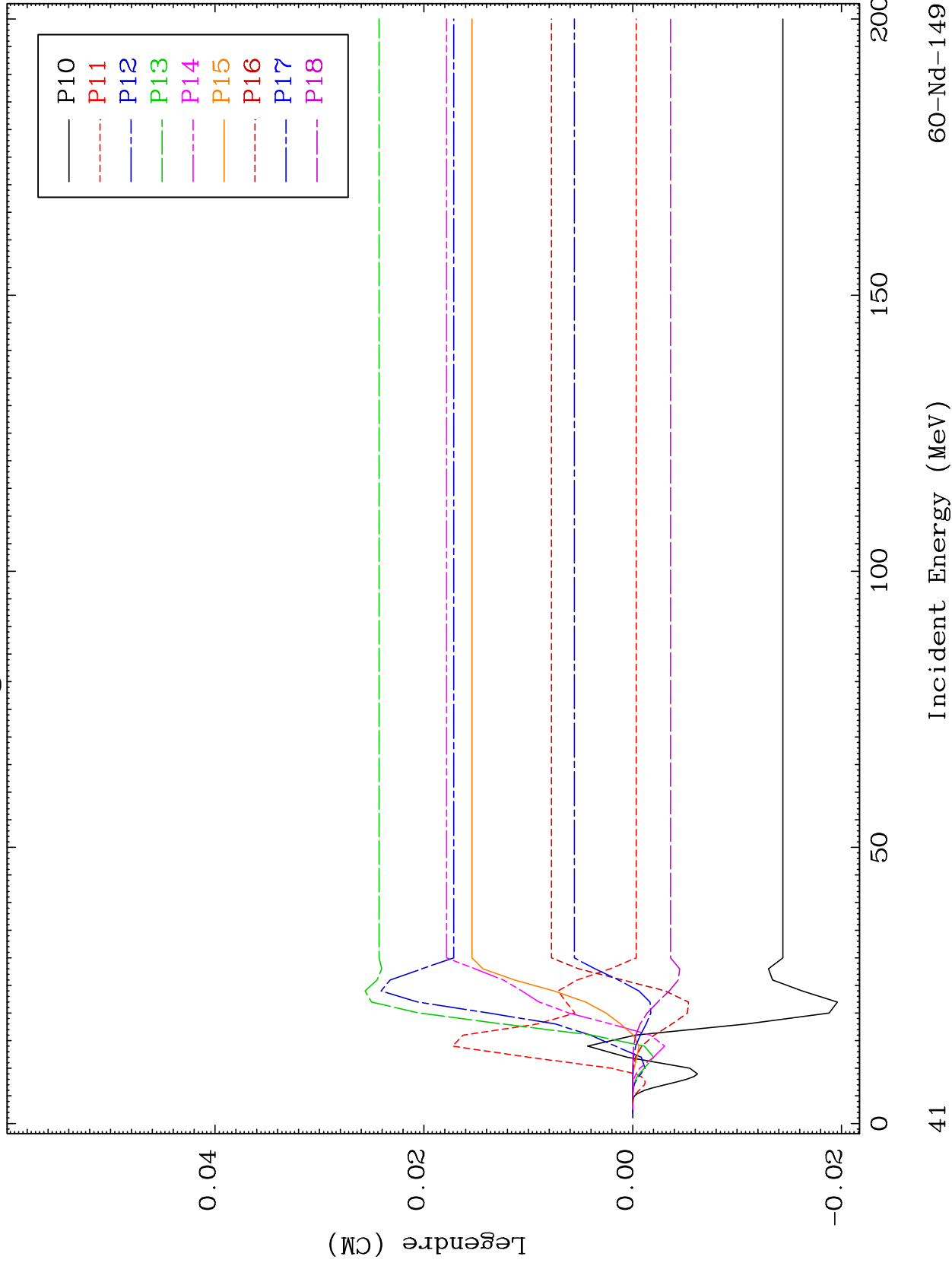




MAT 6046

258.3 keV (n,n') Level
Legendre Coefficients

60-Nd-149



41

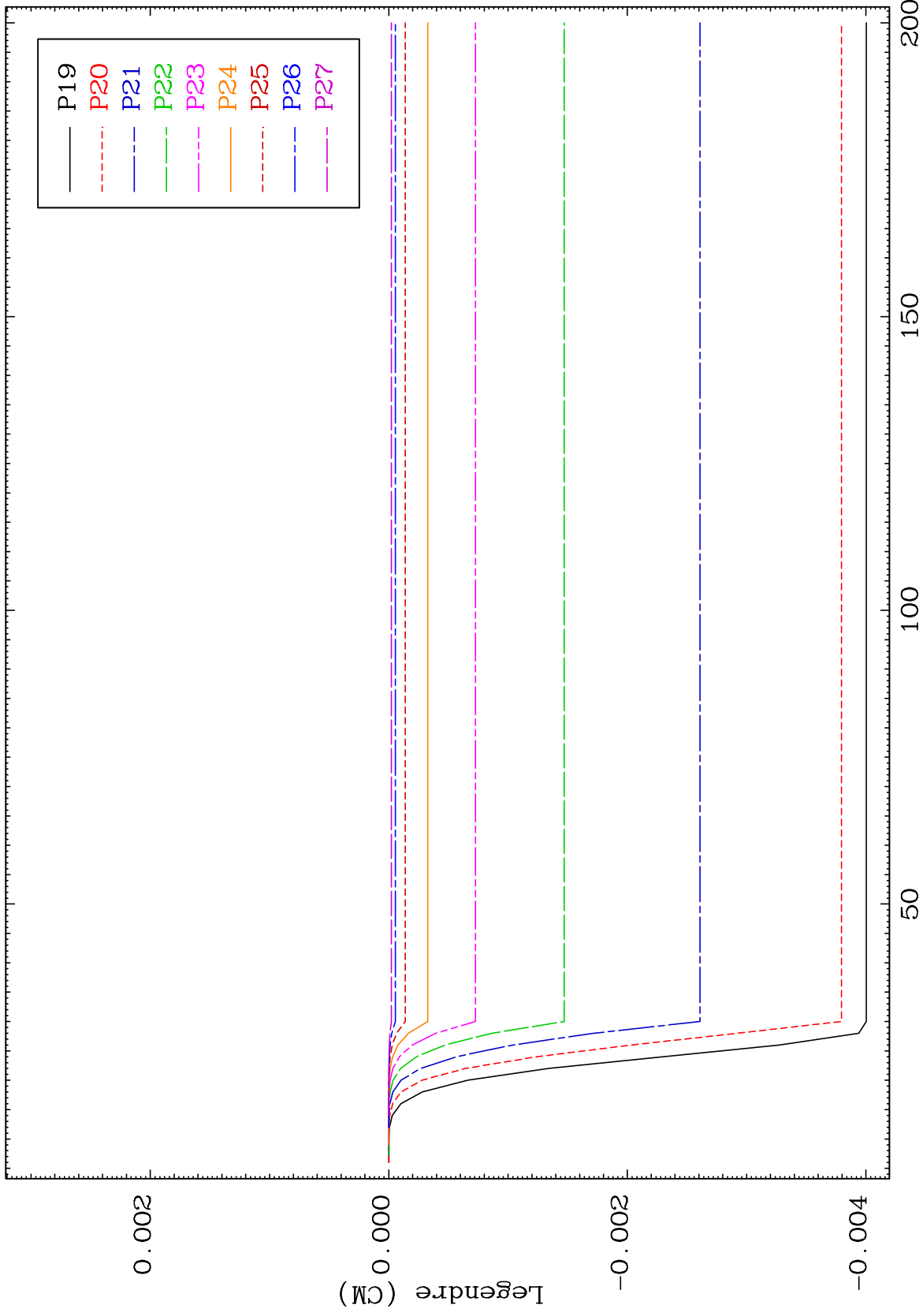
Incident Energy (MeV)

60-Nd-149

MAT 6046

258.3 keV (n,n') Level
Legendre Coefficients

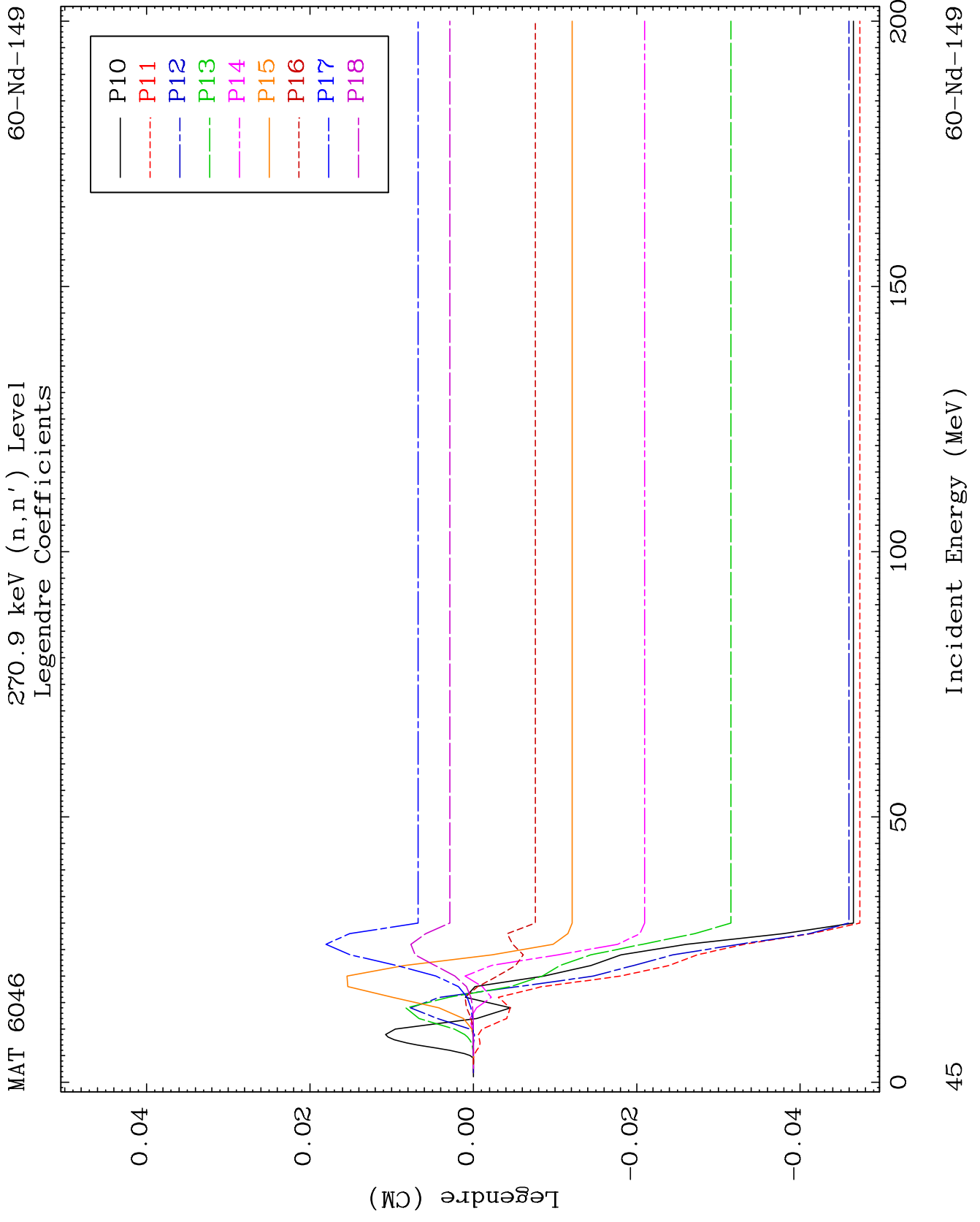
60-Nd-149



42

Incident Energy (MeV)

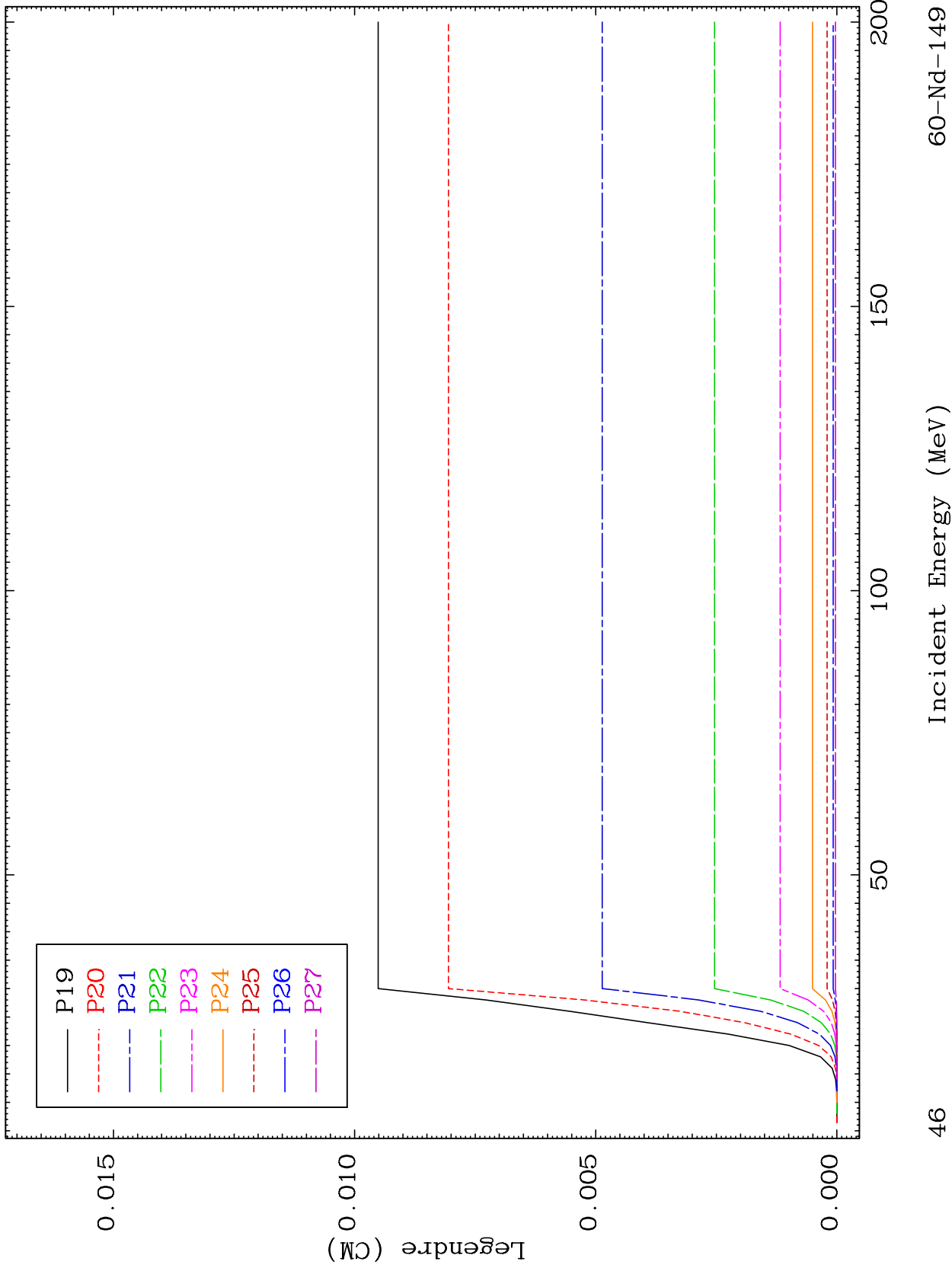
60-Nd-149



MAT 6046

270.9 keV (n,n') Level
Legendre Coefficients

60-Nd-149



46

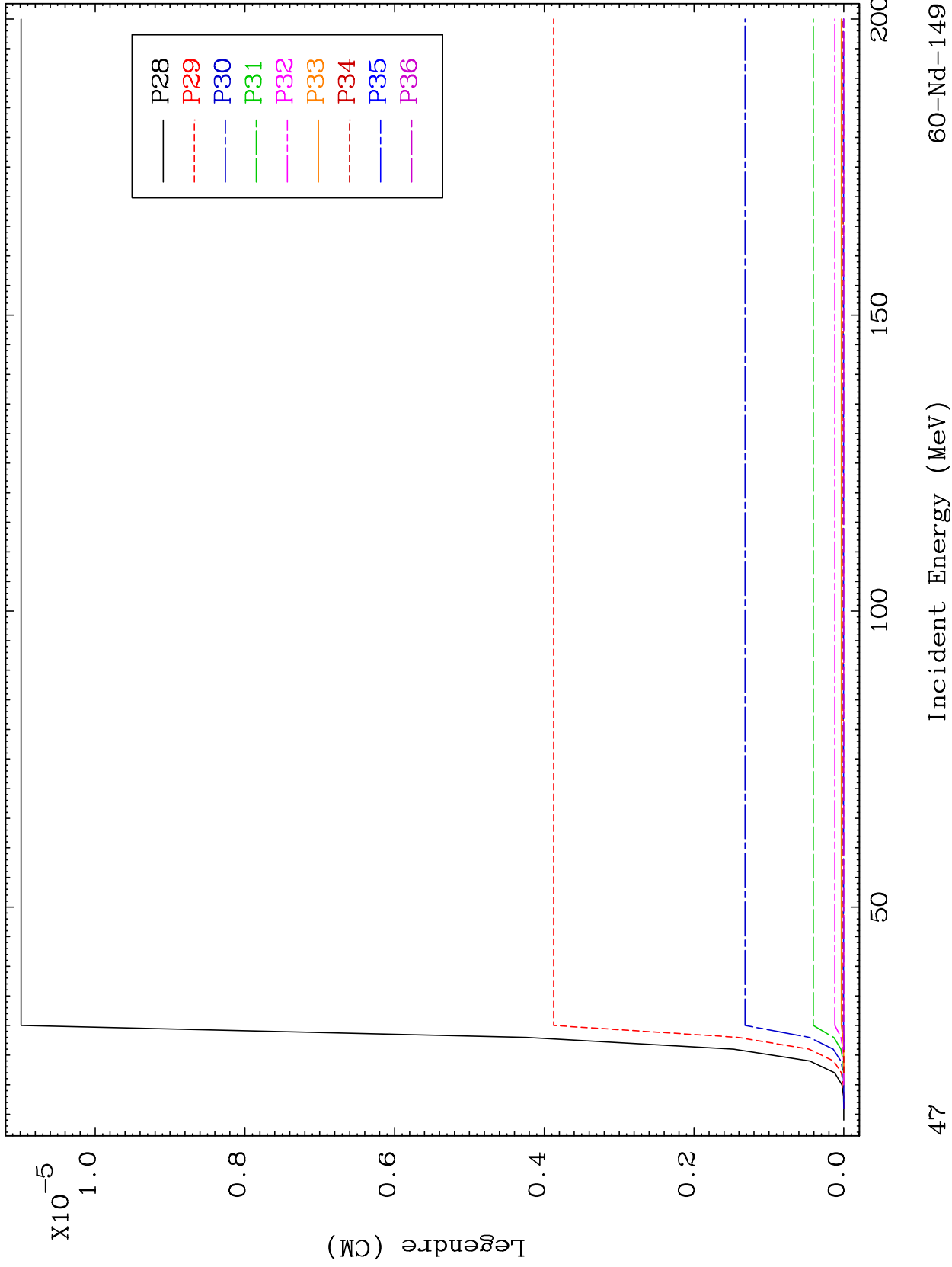
Incident Energy (MeV)

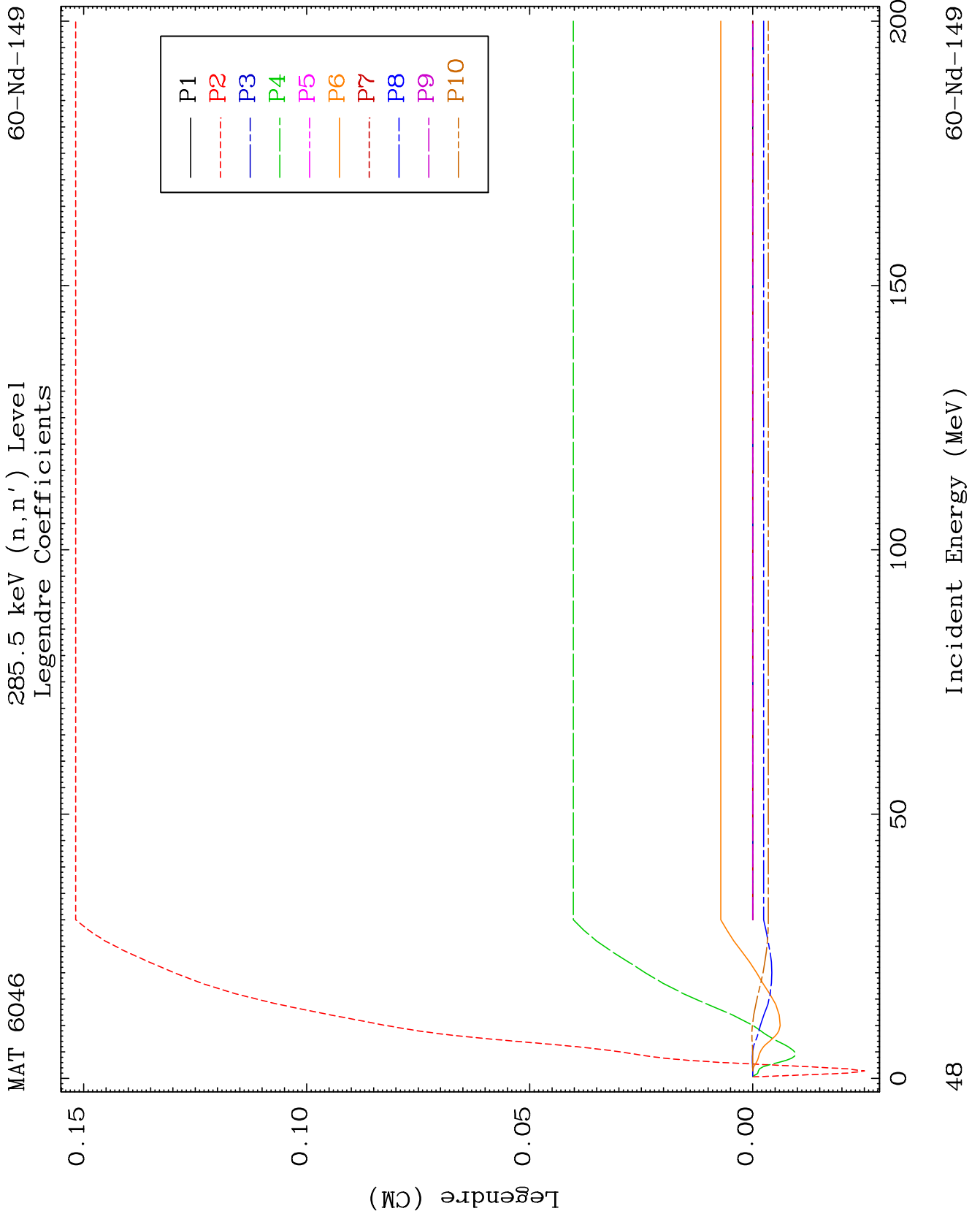
60-Nd-149

MAT 6046

270.9 keV (n,n') Level
Legendre Coefficients

60-Nd-149

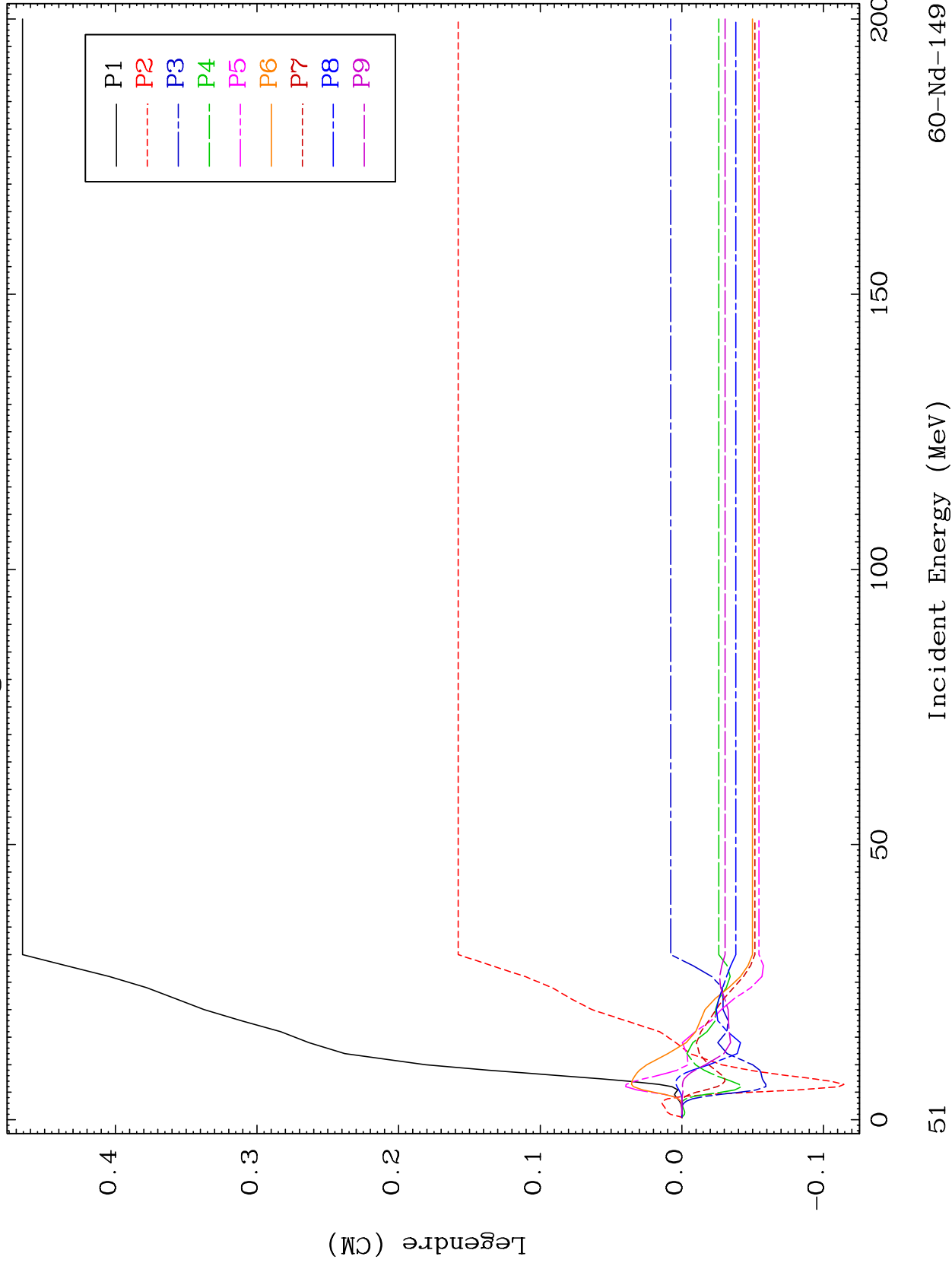




MAT 6046

316.2 keV (n, n') Level
Legendre Coefficients

60-Nd-149



60-Nd-149

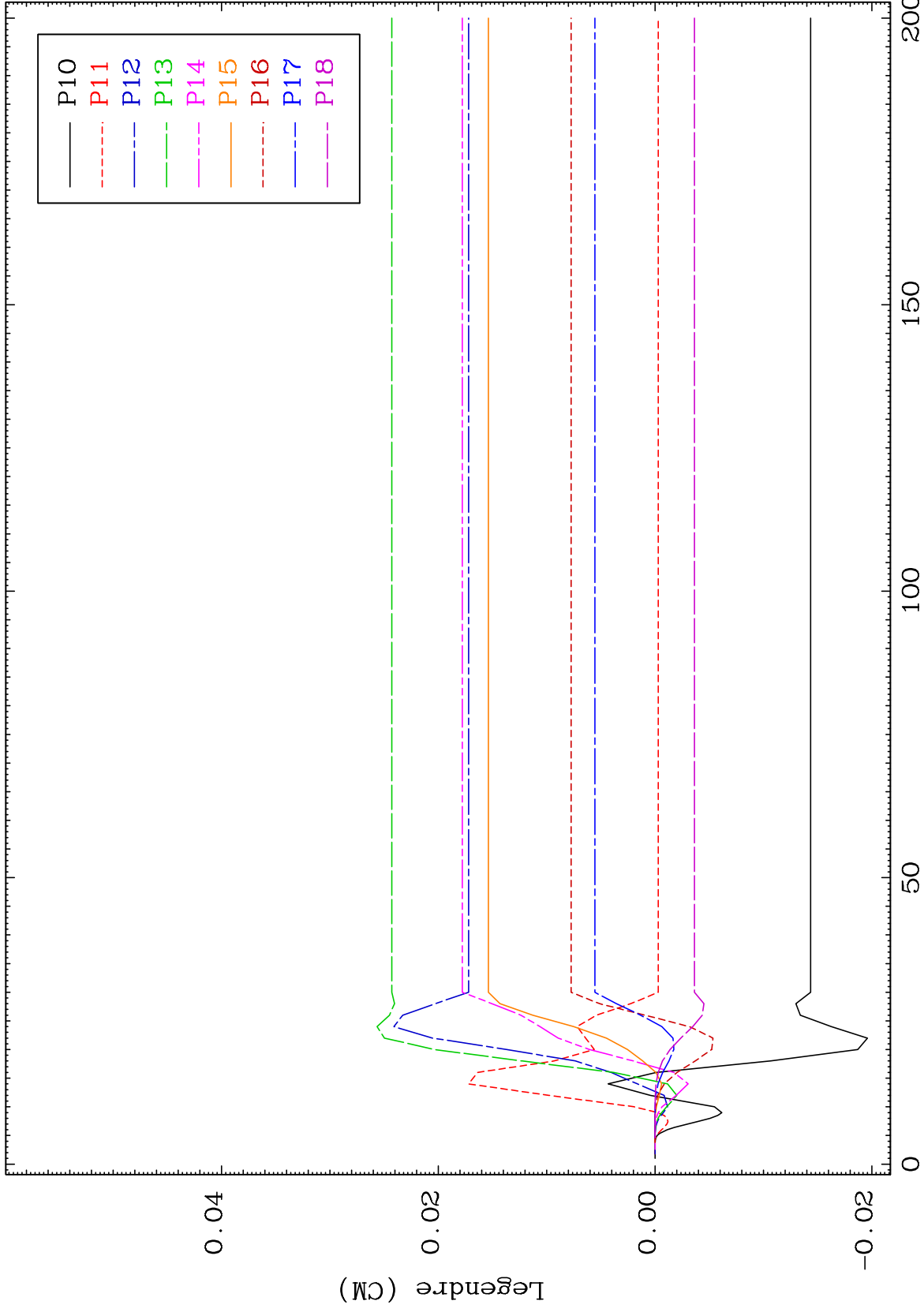
Incident Energy (MeV)

51

MAT 6046

316.2 keV (n,n') Level
Legendre Coefficients

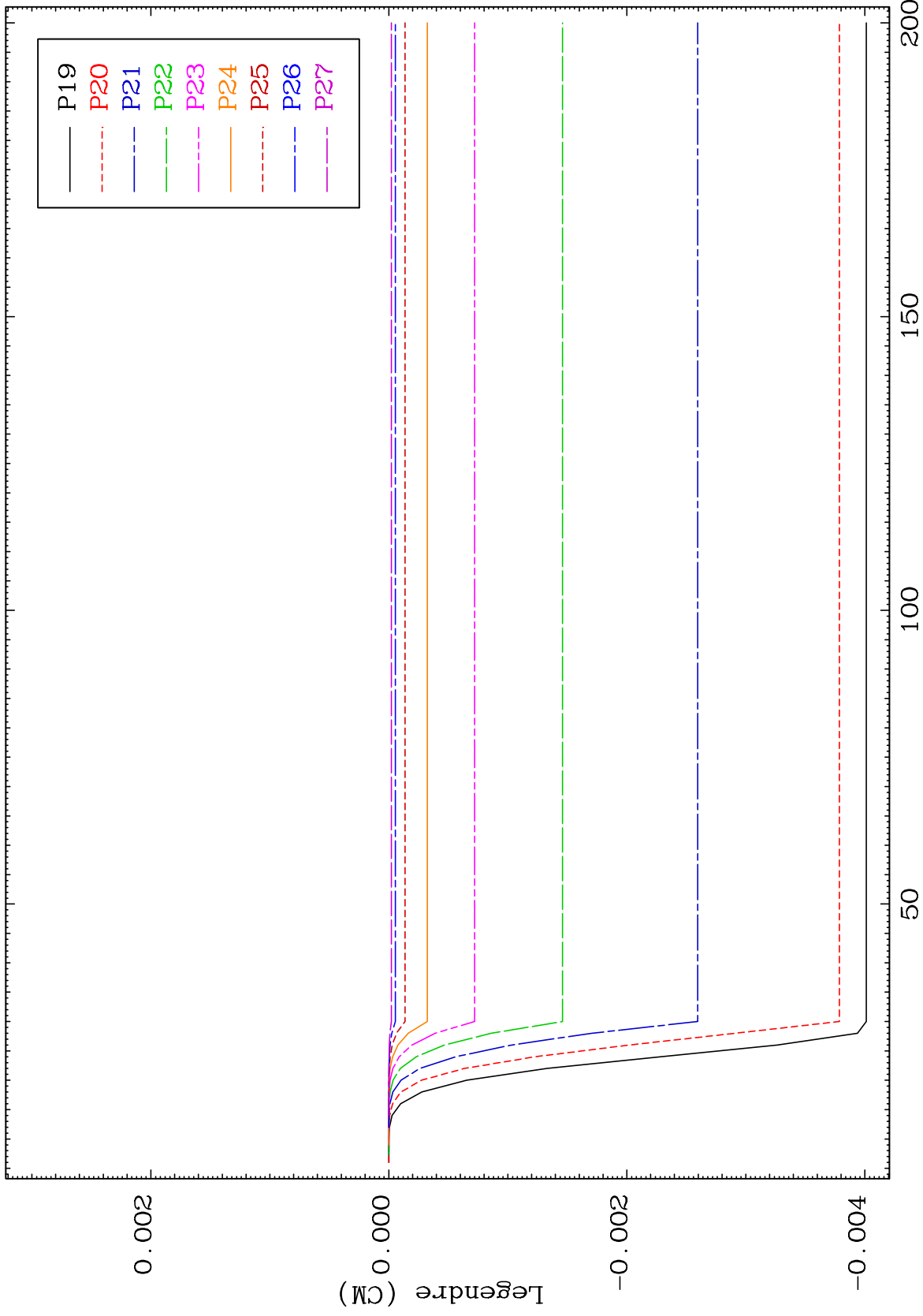
60-Nd-149

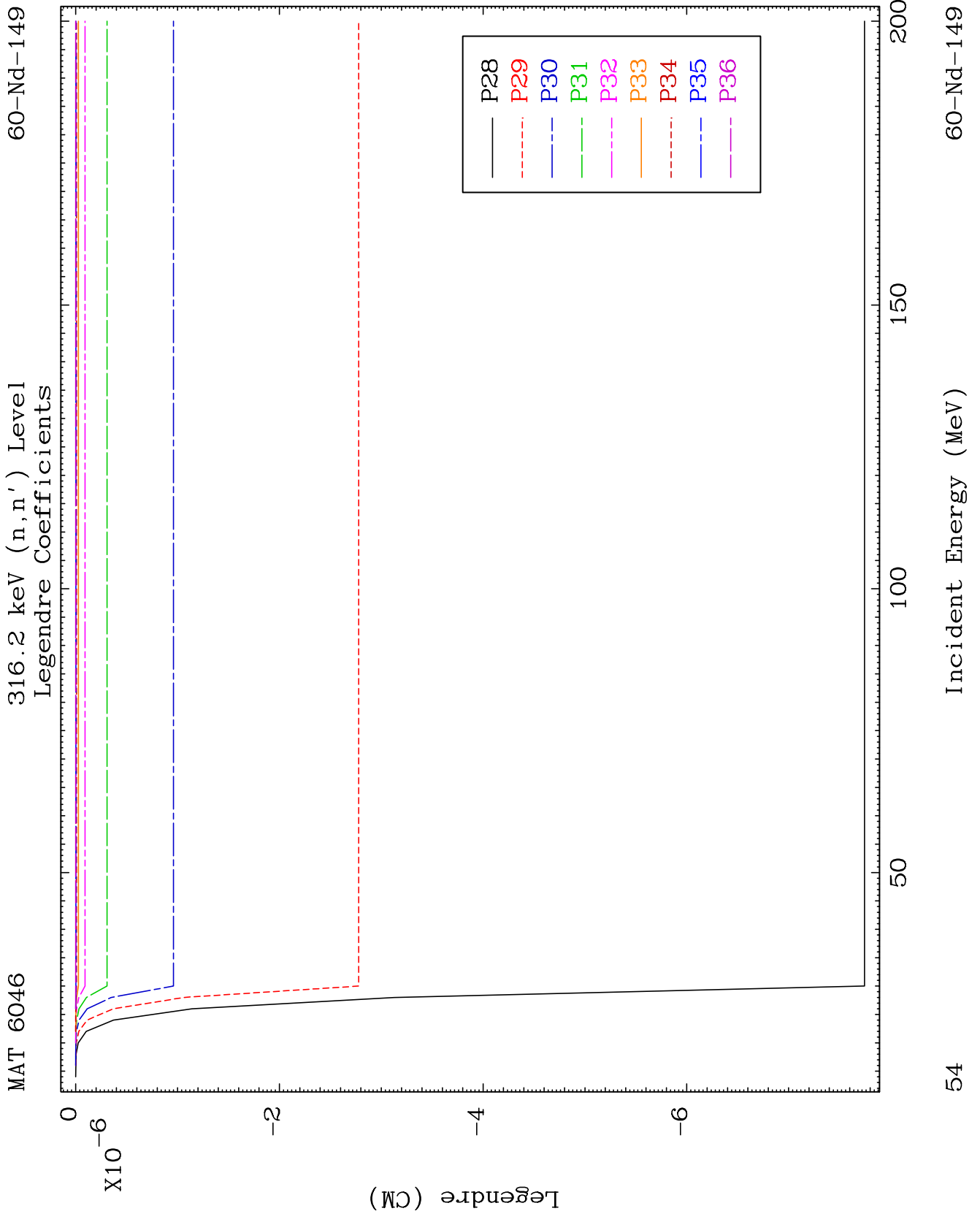


52

Incident Energy (MeV)

60-Nd-149

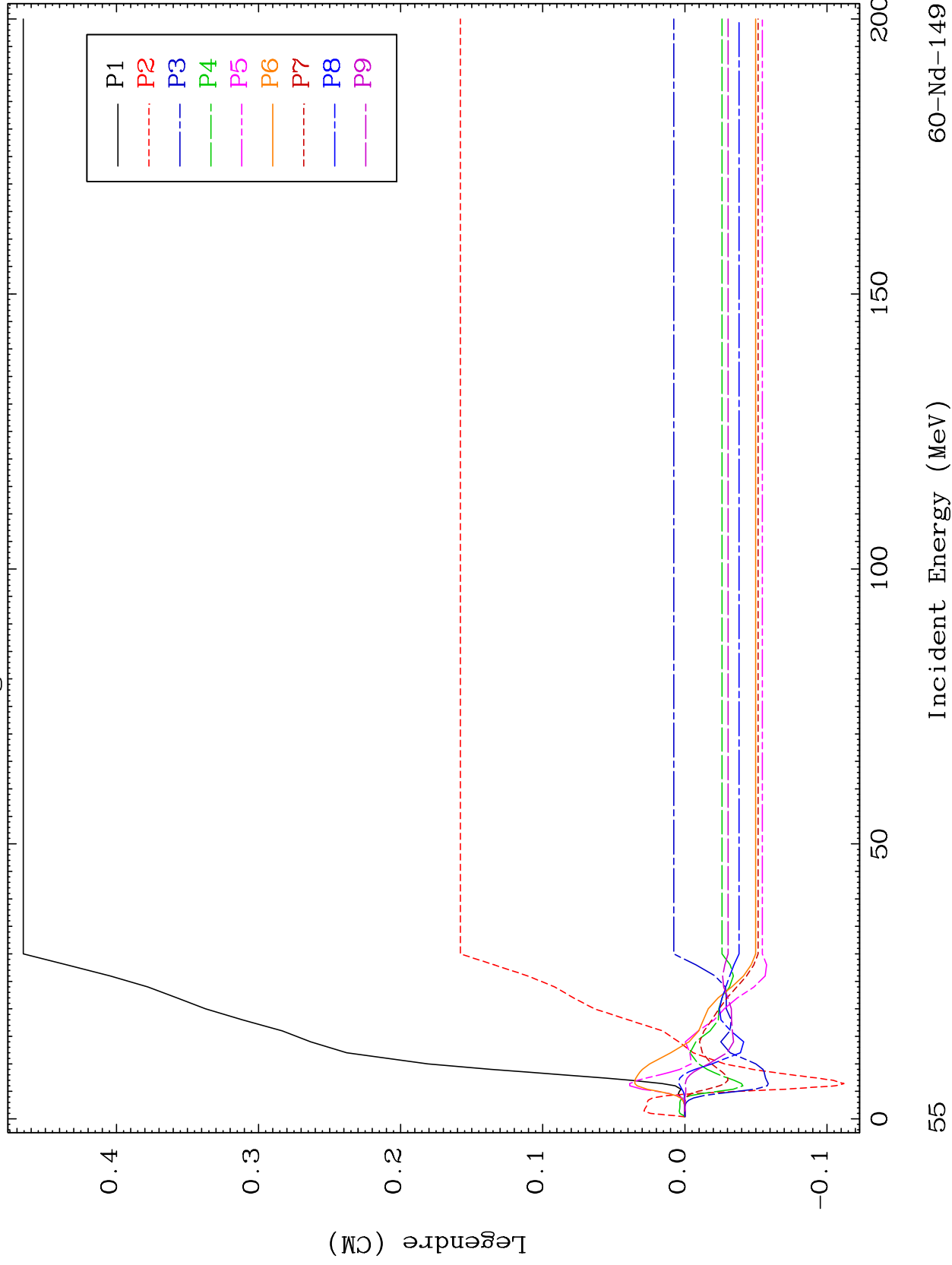




MAT 6046

321.1 keV (n,n') Level
Legendre Coefficients

60-Nd-149



60-Nd-149

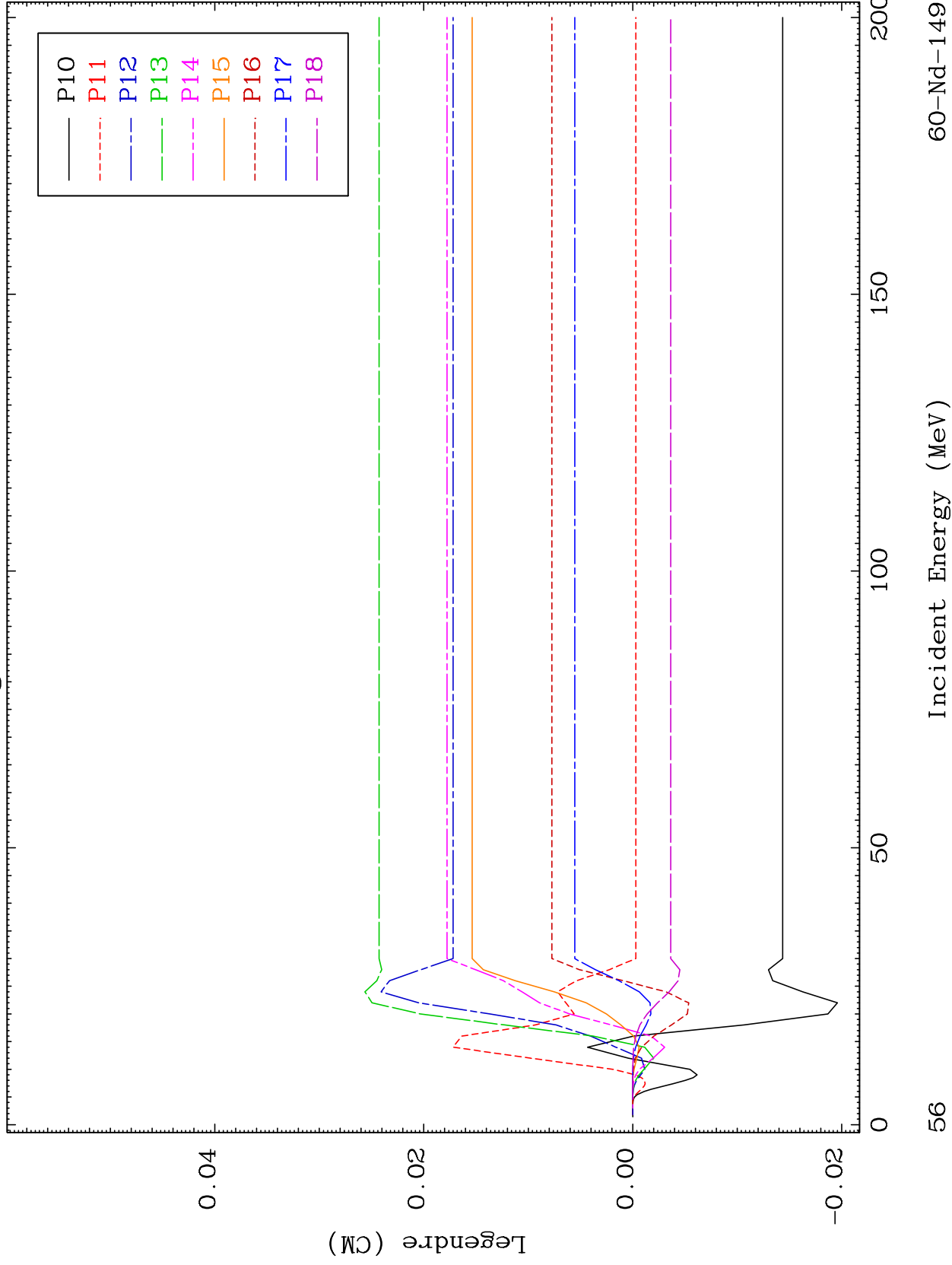
Incident Energy (MeV)

55

MAT 6046

321.1 keV (n,n') Level
Legendre Coefficients

60-Nd-149



60-Nd-149

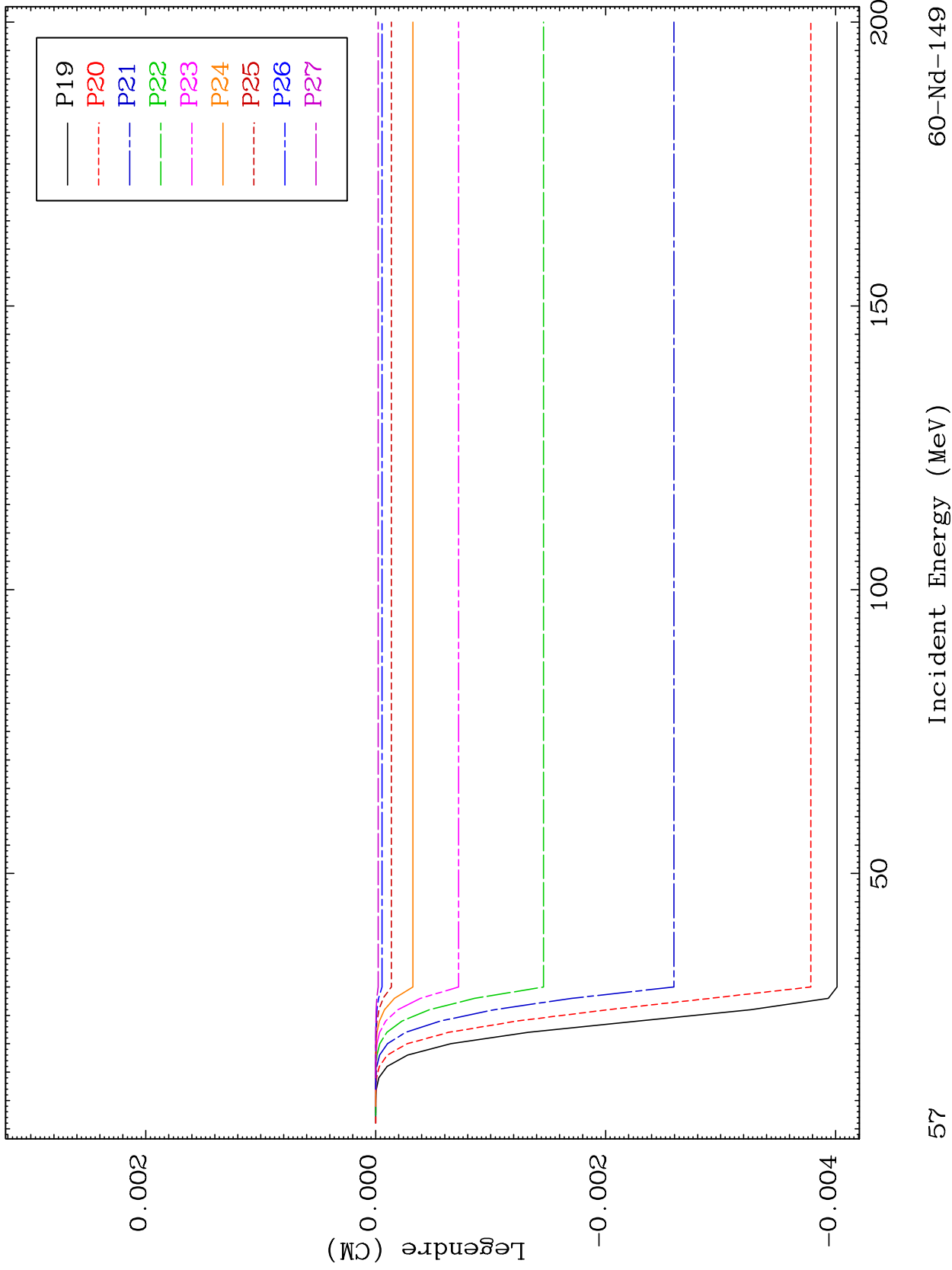
Incident Energy (MeV)

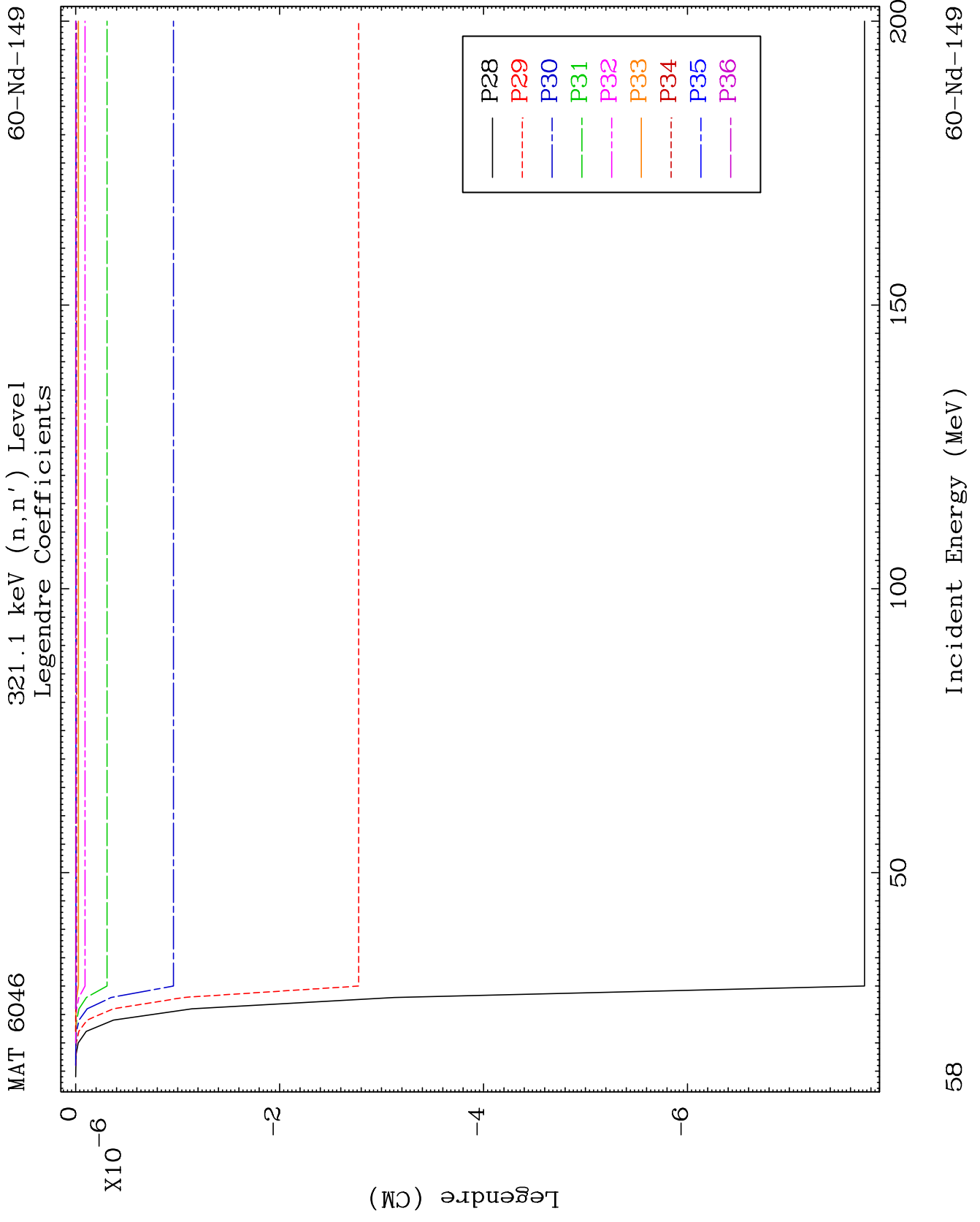
56

MAT 6046

321.1 keV (n,n') Level
Legendre Coefficients

60-Nd-149

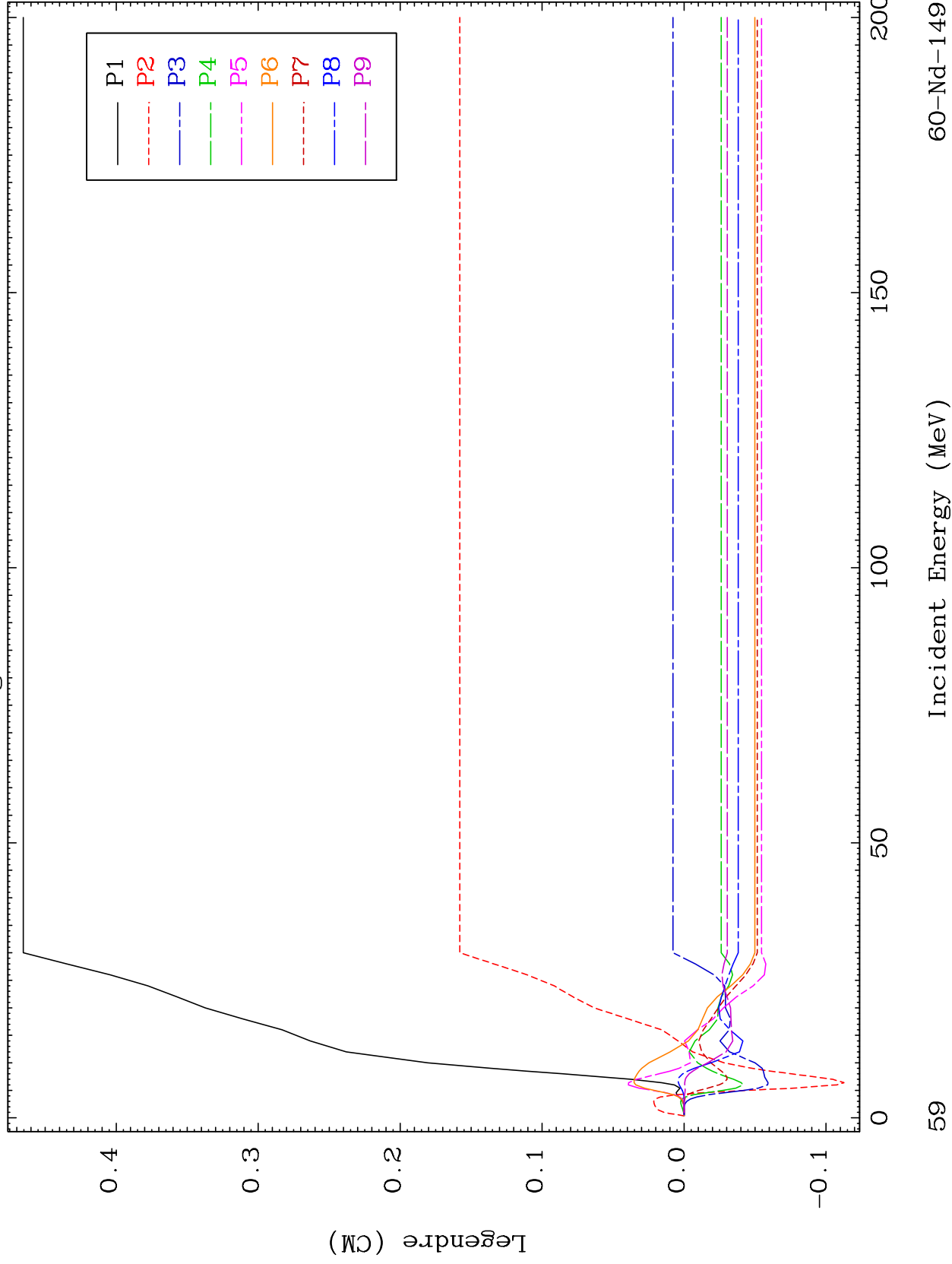




MAT 6046

332.9 keV (n,n') Level
Legendre Coefficients

60-Nd-149



60-Nd-149

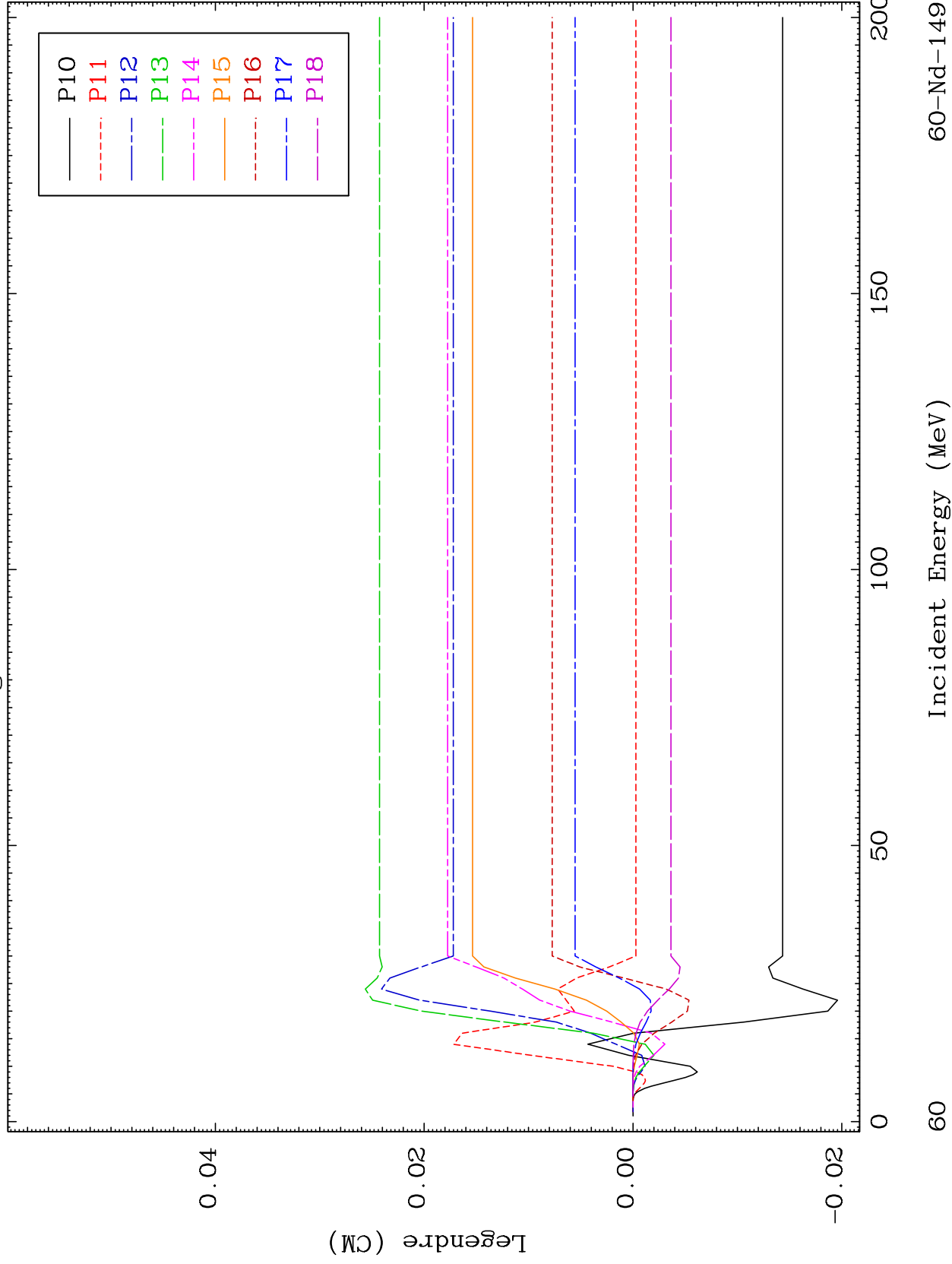
Incident Energy (MeV)

59

MAT 6046

332.9 keV (n,n') Level
Legendre Coefficients

60-Nd-149

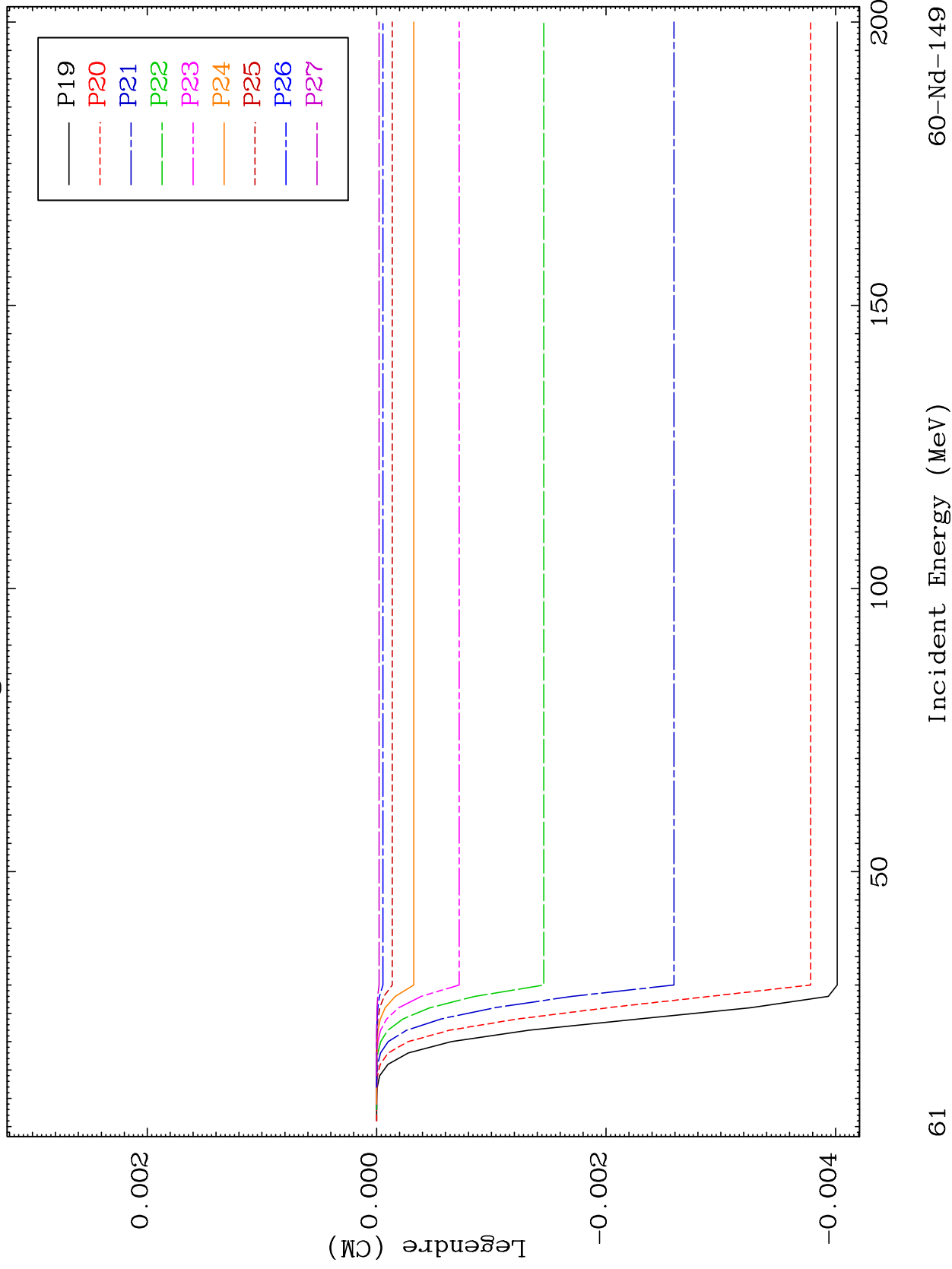


60-Nd-149

MAT 6046

332.9 keV (n,n') Level
Legendre Coefficients

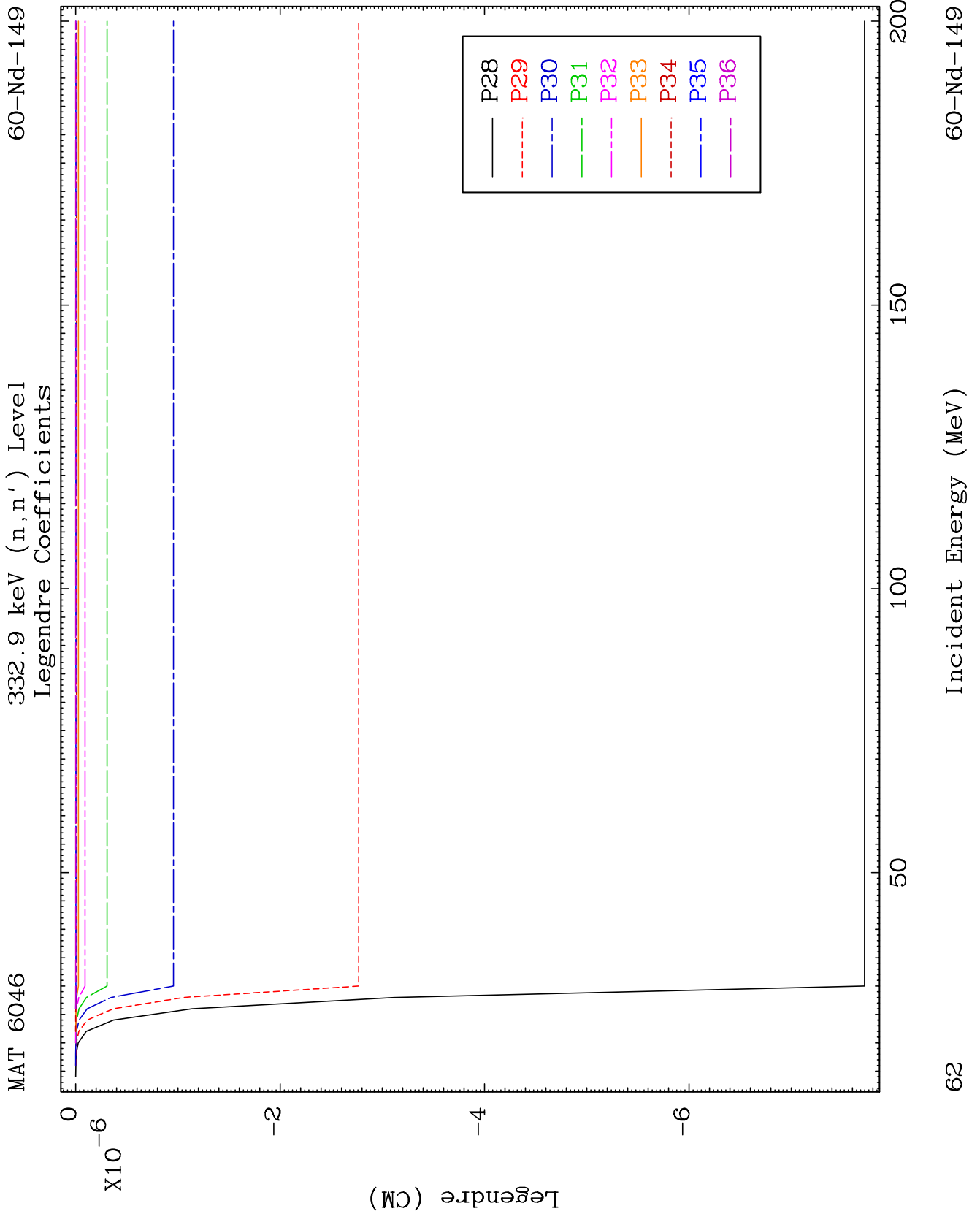
60-Nd-149



61

Incident Energy (MeV)

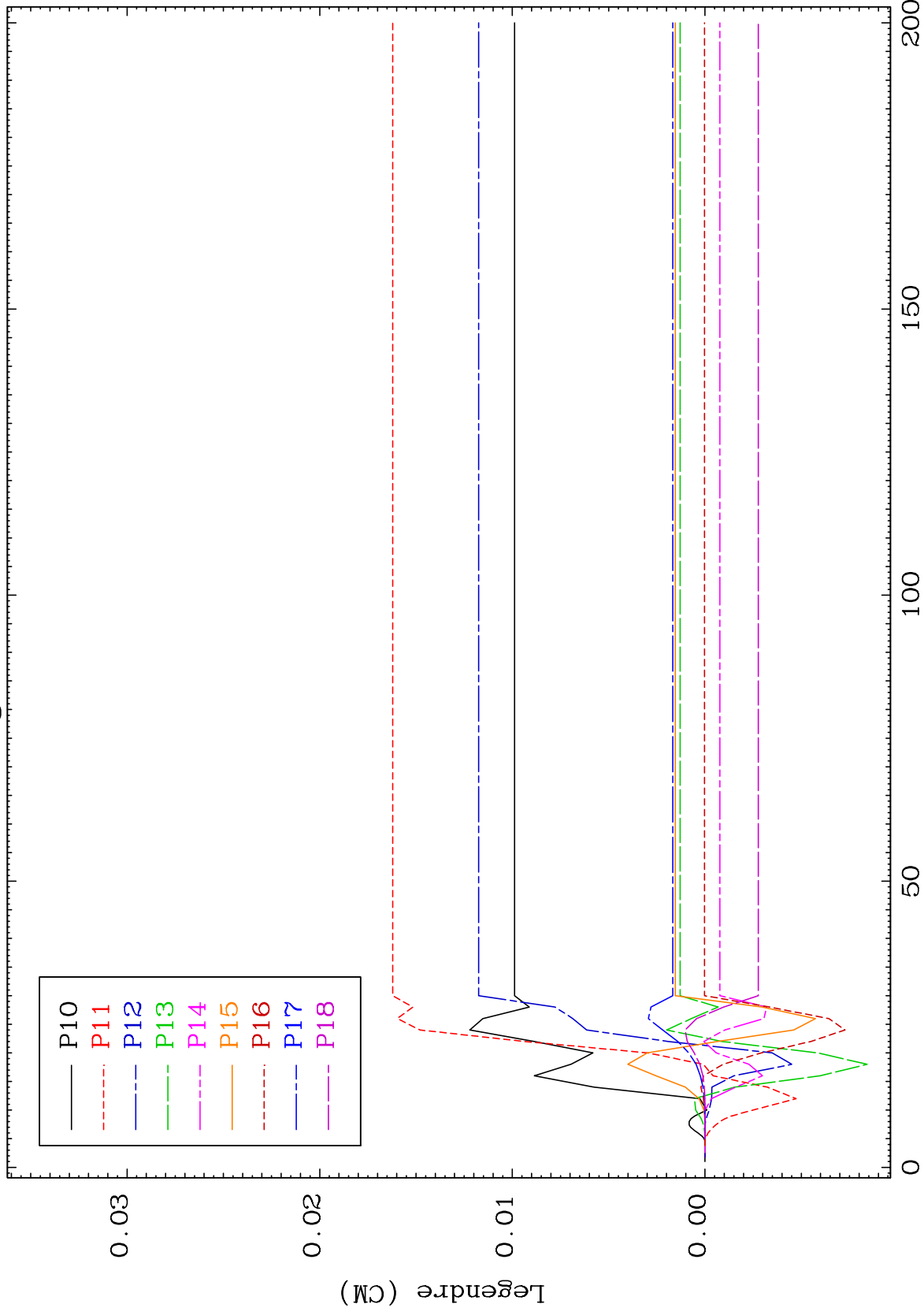
60-Nd-149



MAT 6046

340.6 keV (n, n') Level
Legendre Coefficients

60-Nd-149



64

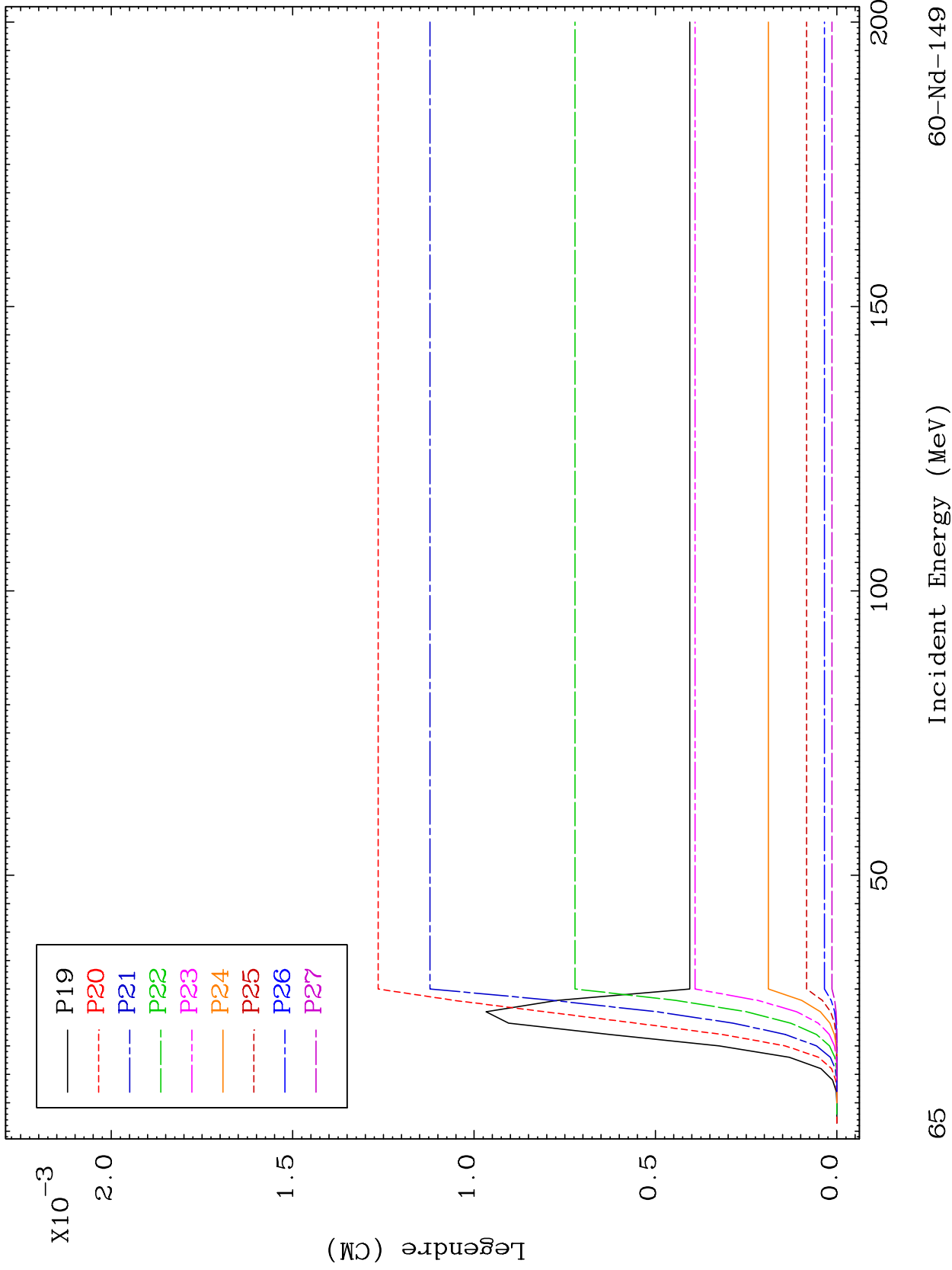
Incident Energy (MeV)

60-Nd-149

MAT 6046

340.6 keV (n, n') Level
Legendre Coefficients

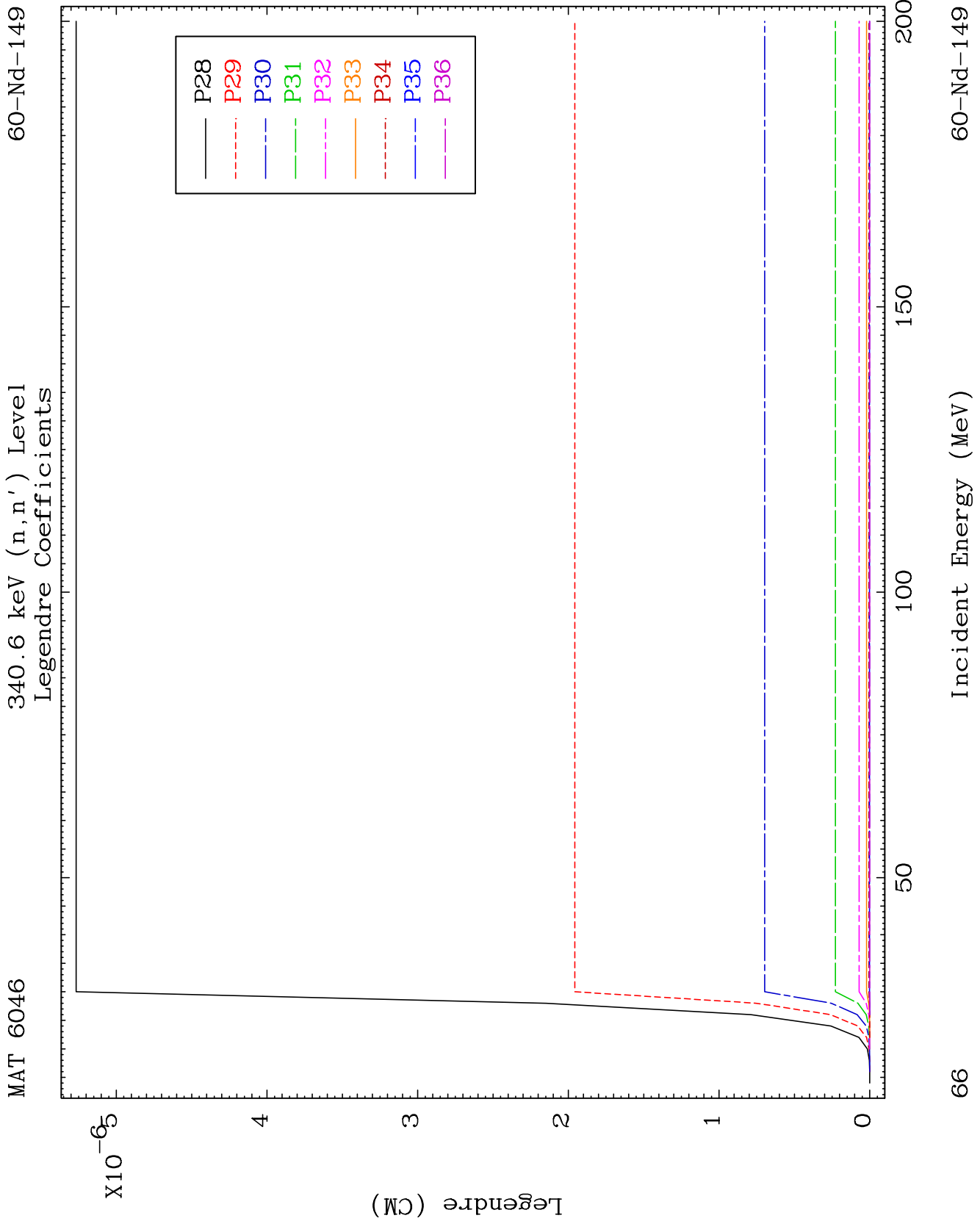
60-Nd-149



65

Incident Energy (MeV)

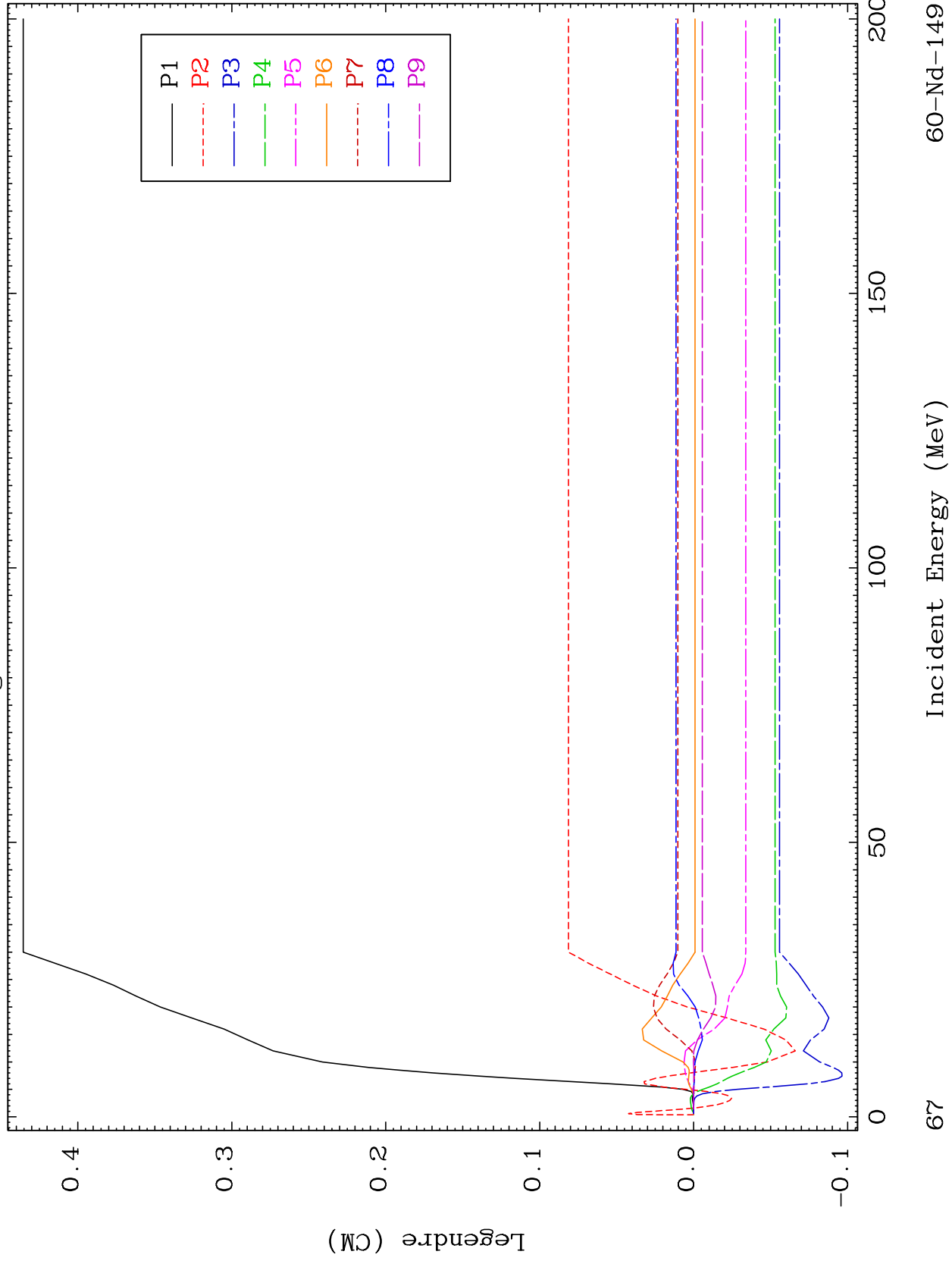
60-Nd-149



MAT 6046

352.5 keV (n,n') Level
Legendre Coefficients

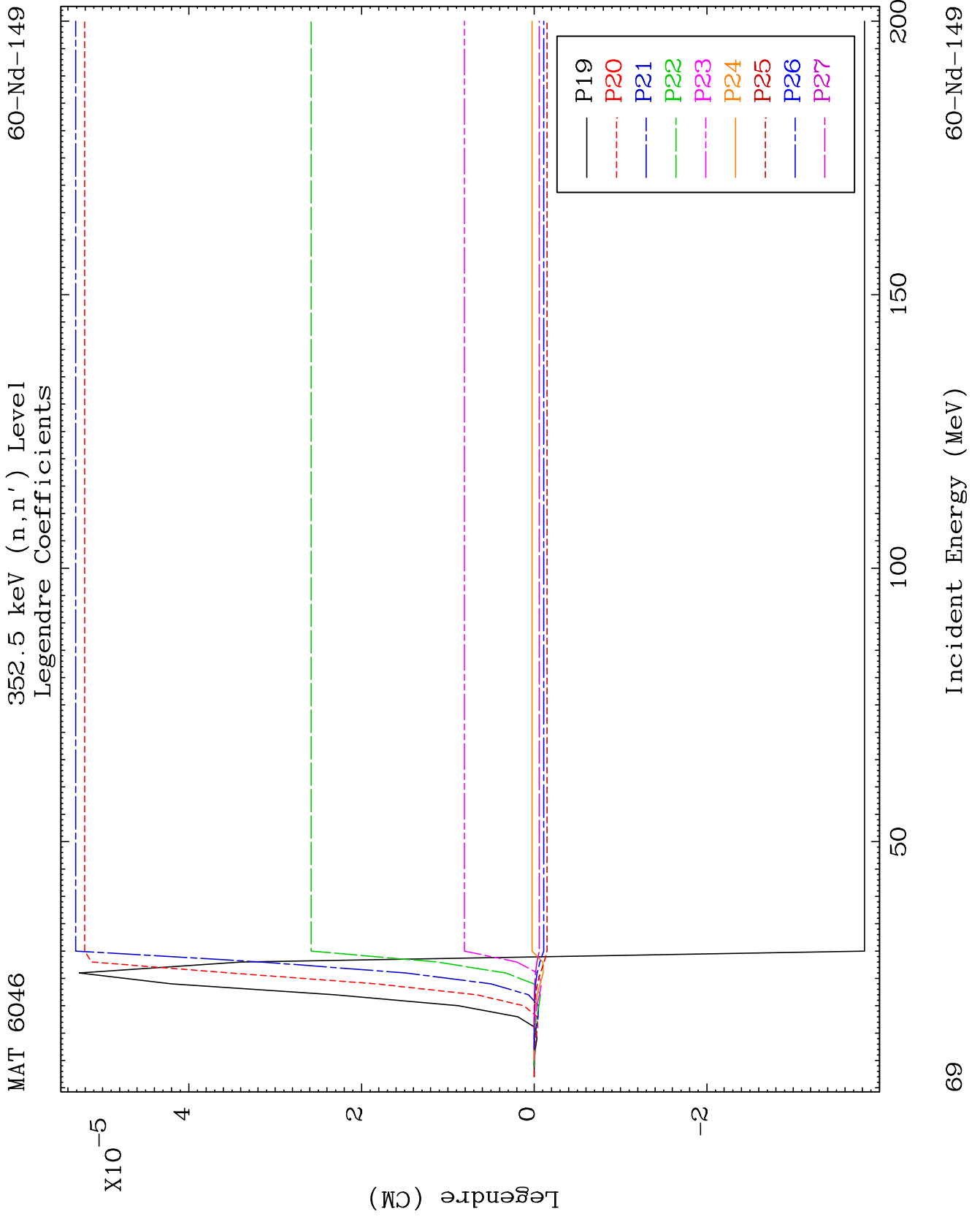
60-Nd-149

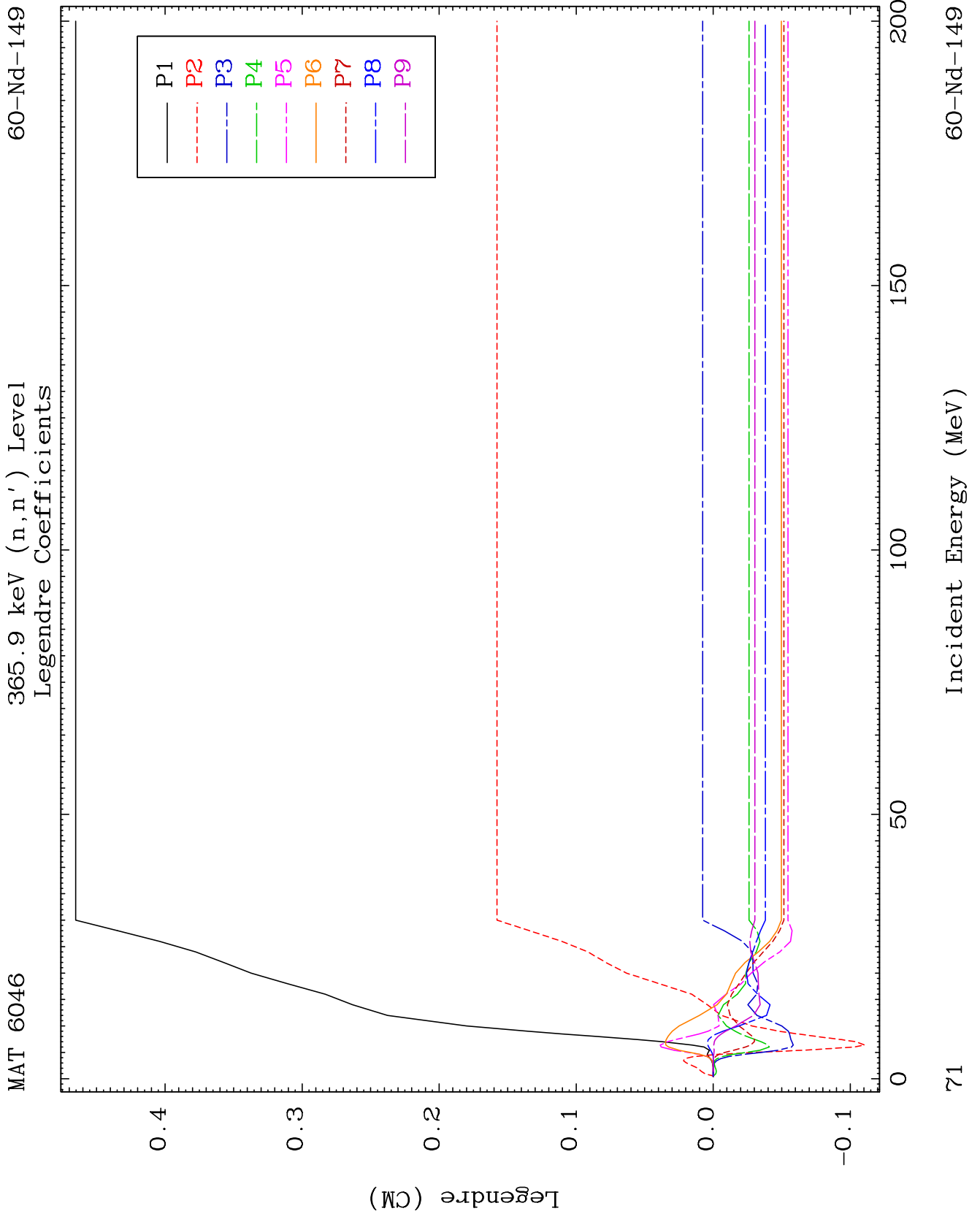


60-Nd-149

Incident Energy (MeV)

67

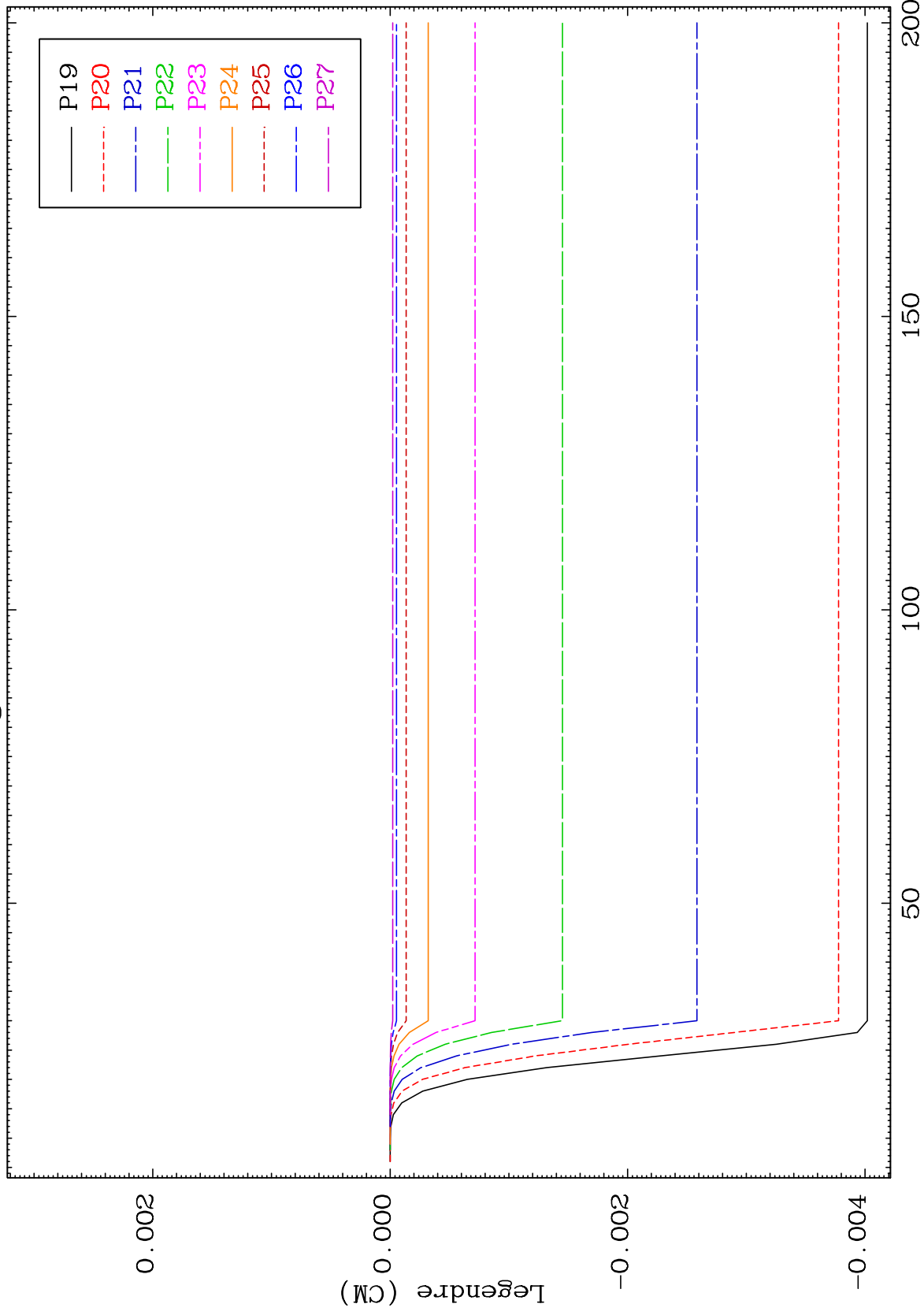




MAT 6046

365.9 keV (n,n') Level
Legendre Coefficients

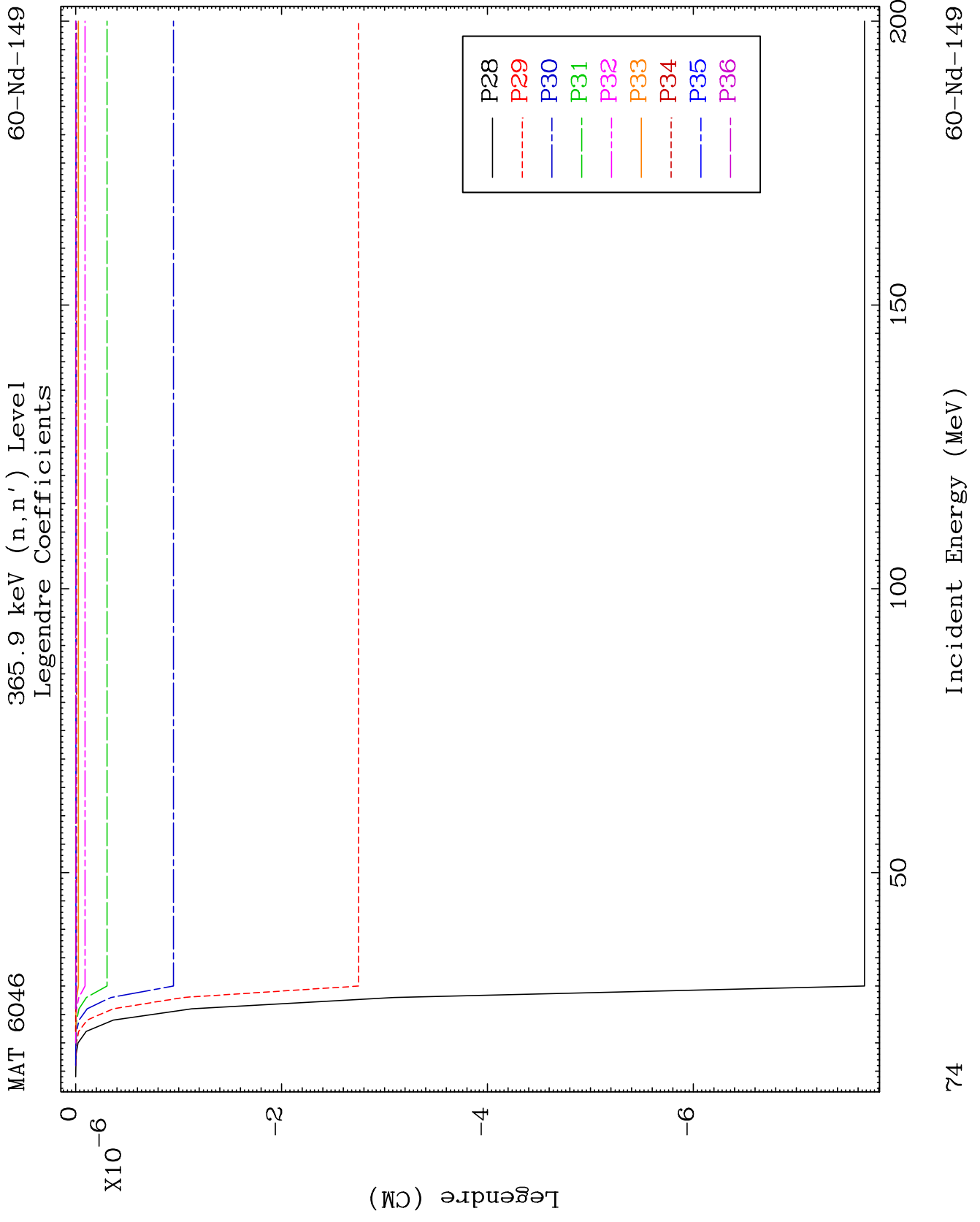
60-Nd-149

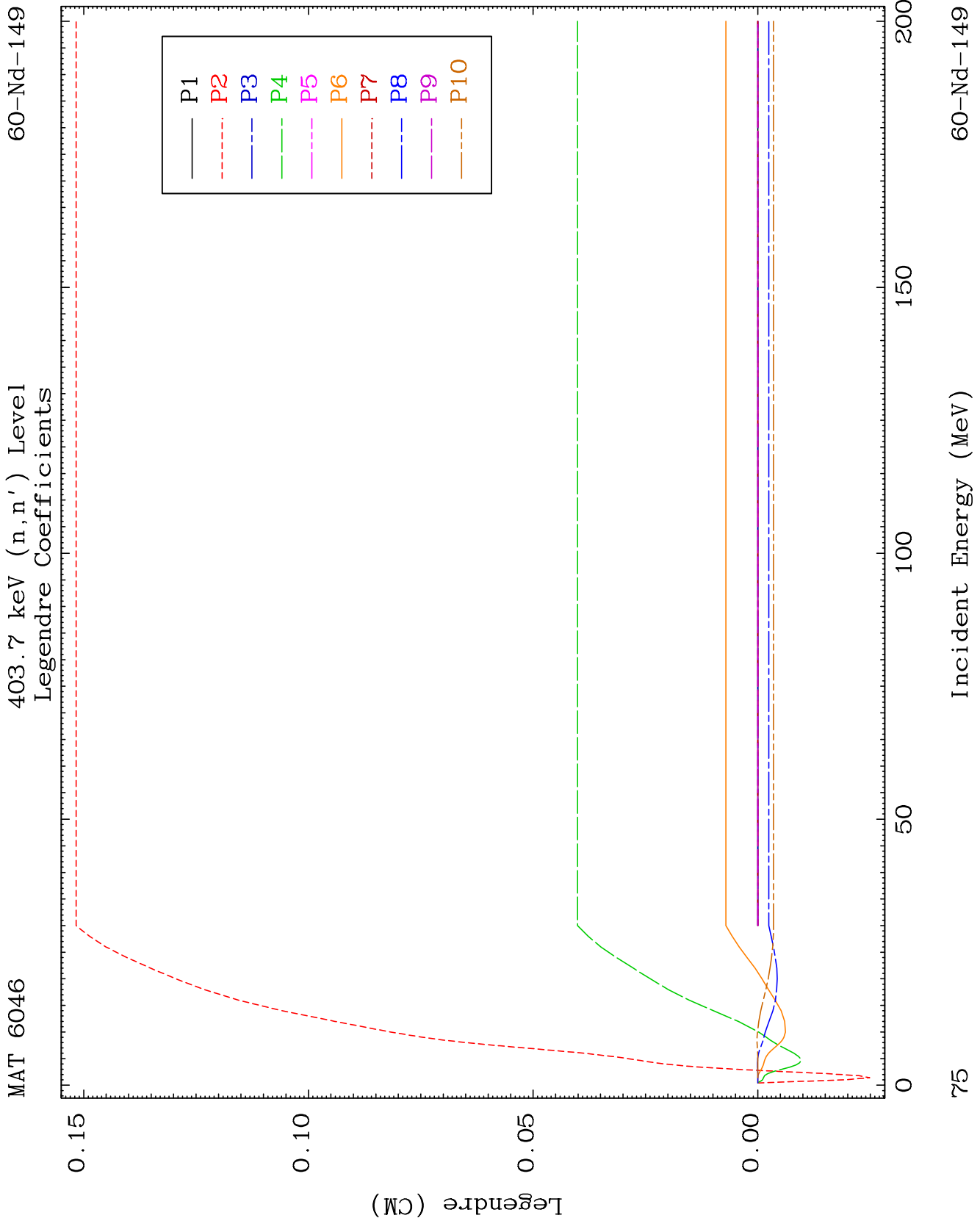


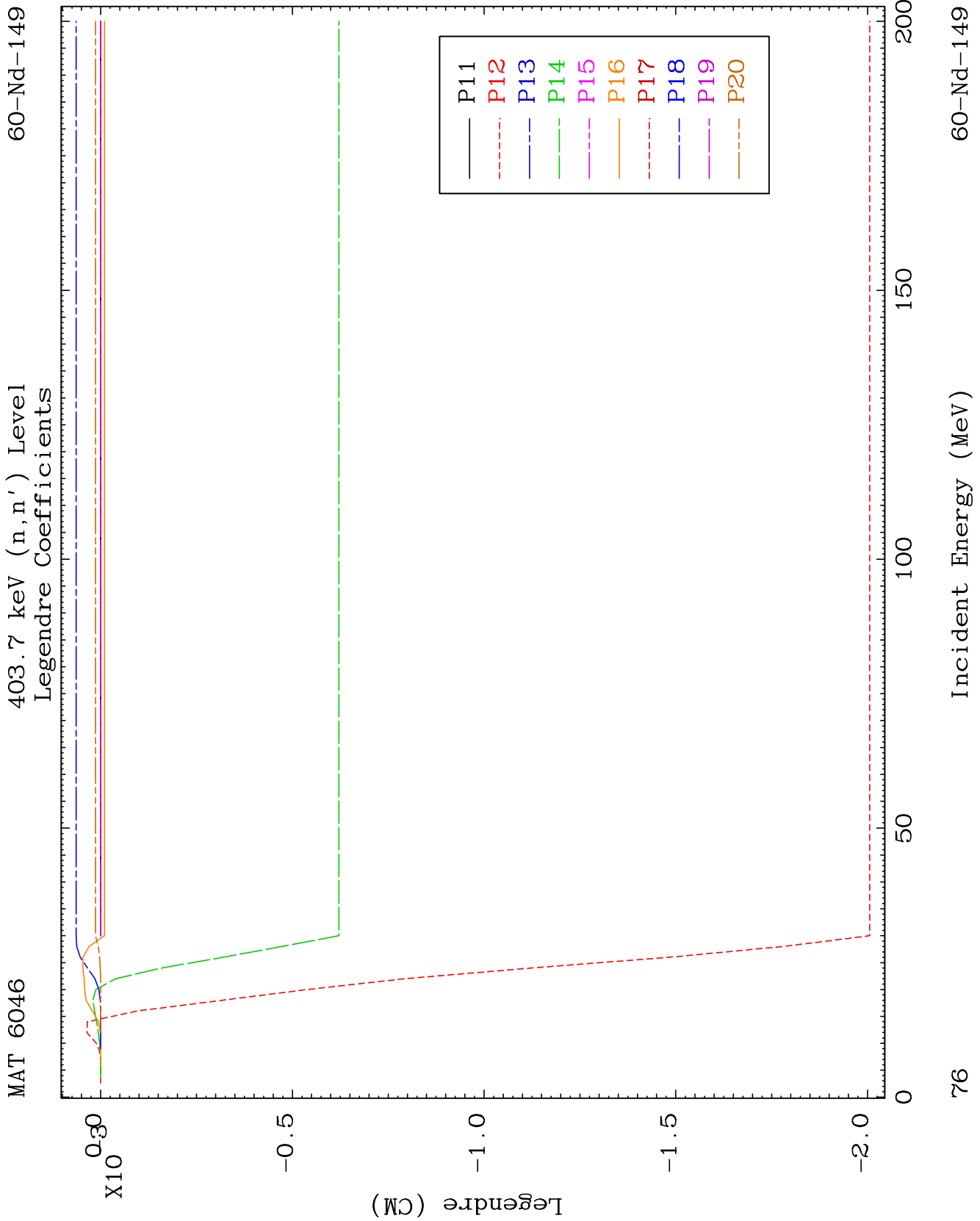
73

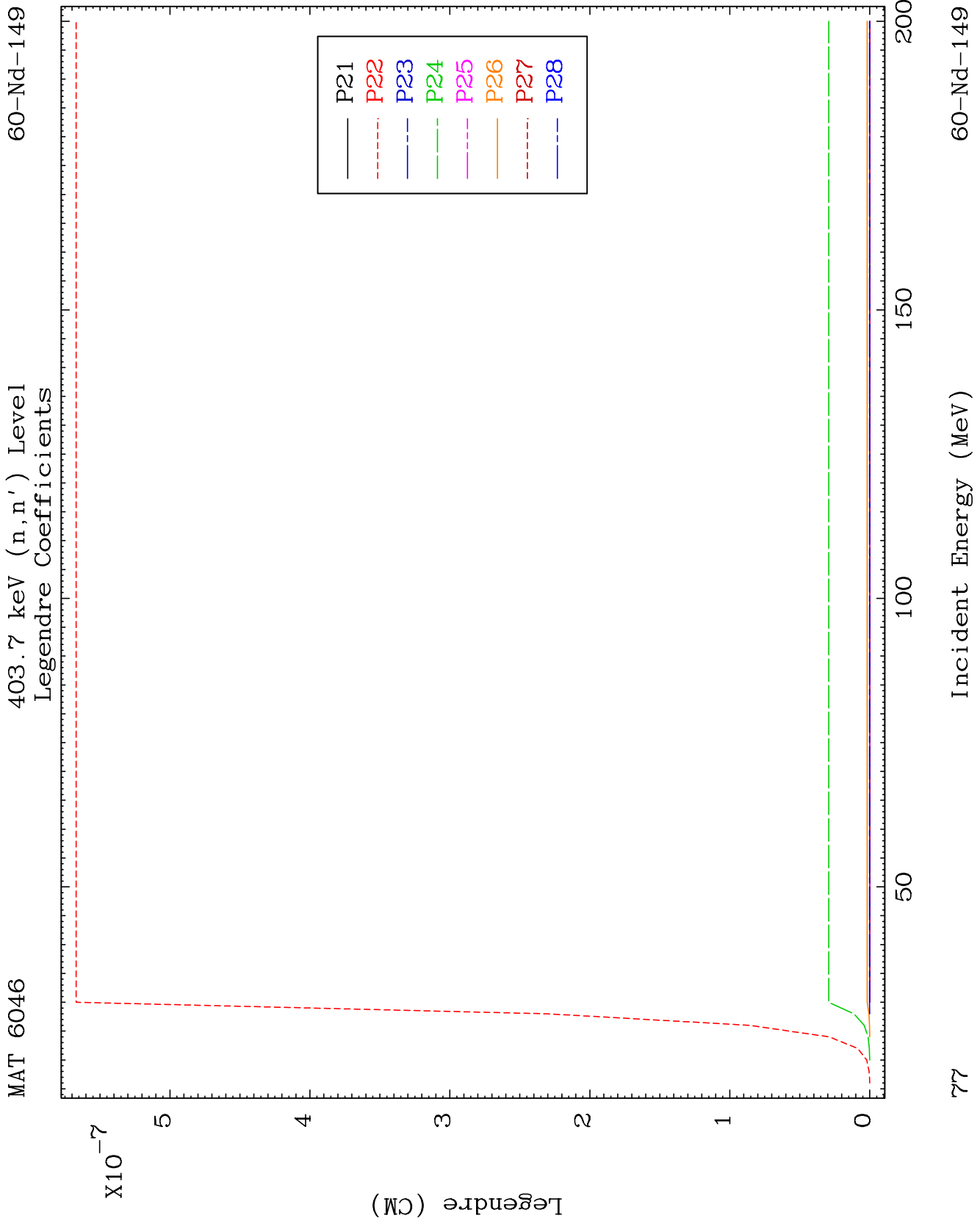
Incident Energy (MeV)

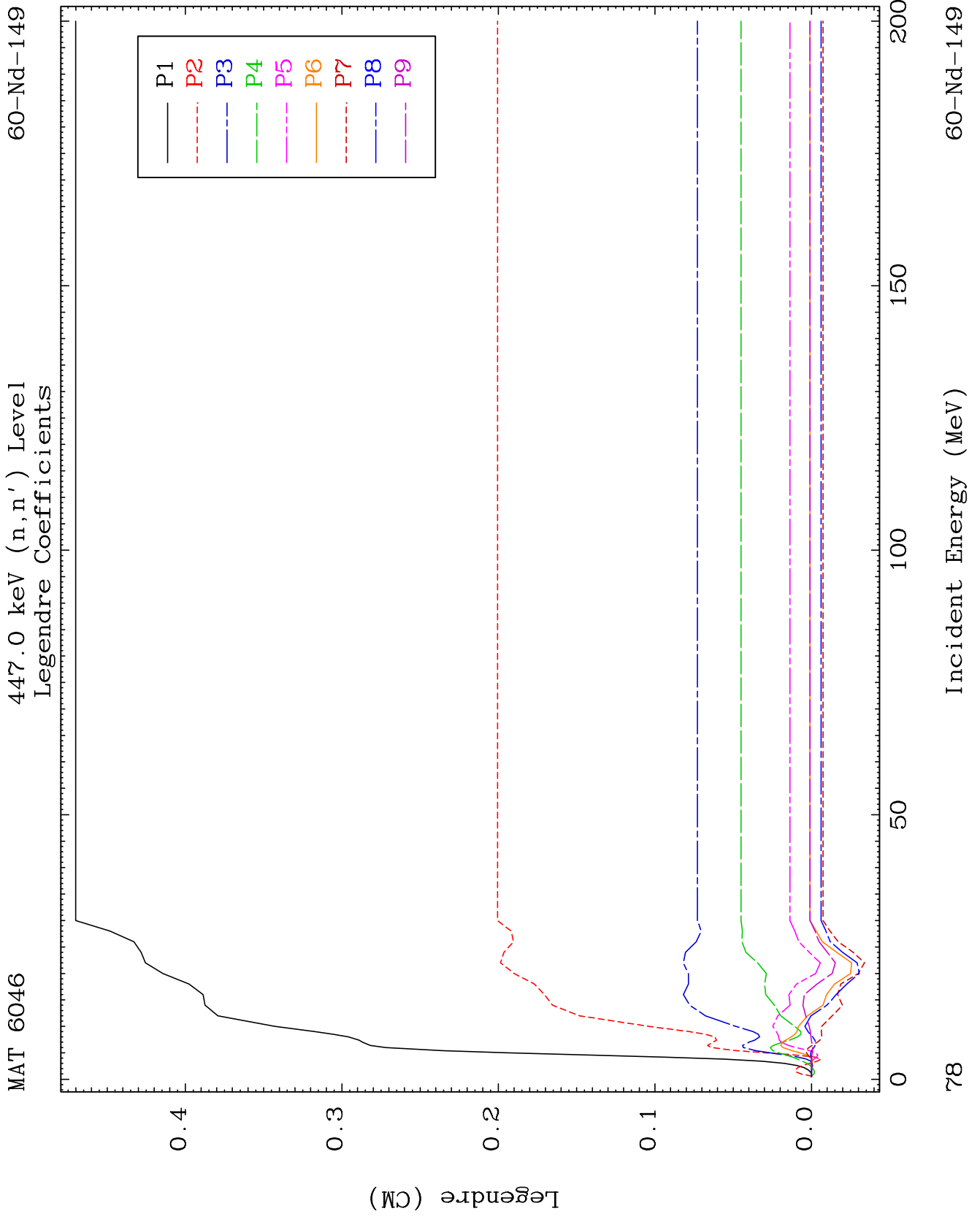
60-Nd-149







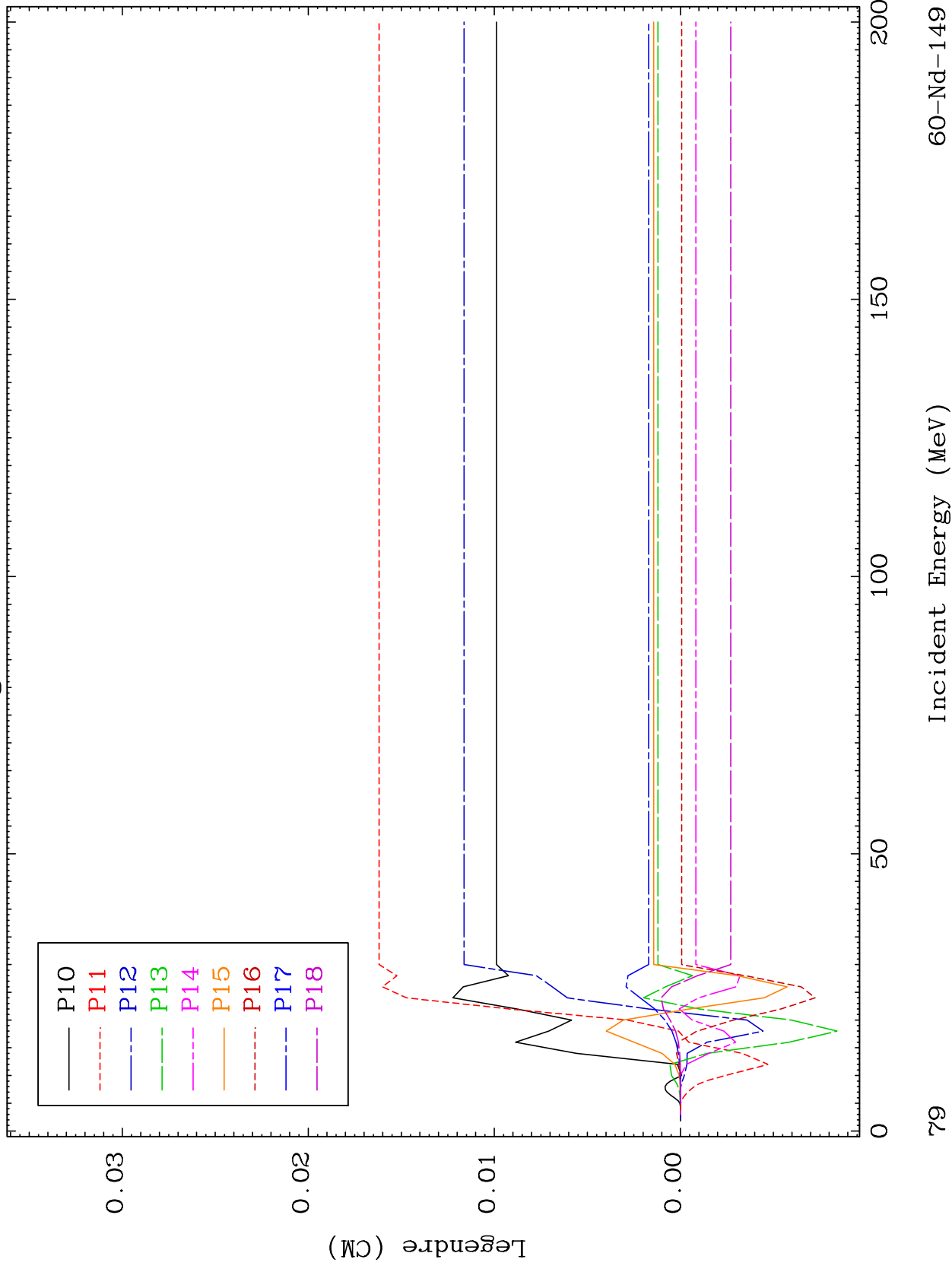




MAT 6046

447.0 keV (n,n') Level
Legendre Coefficients

60-Nd-149



79

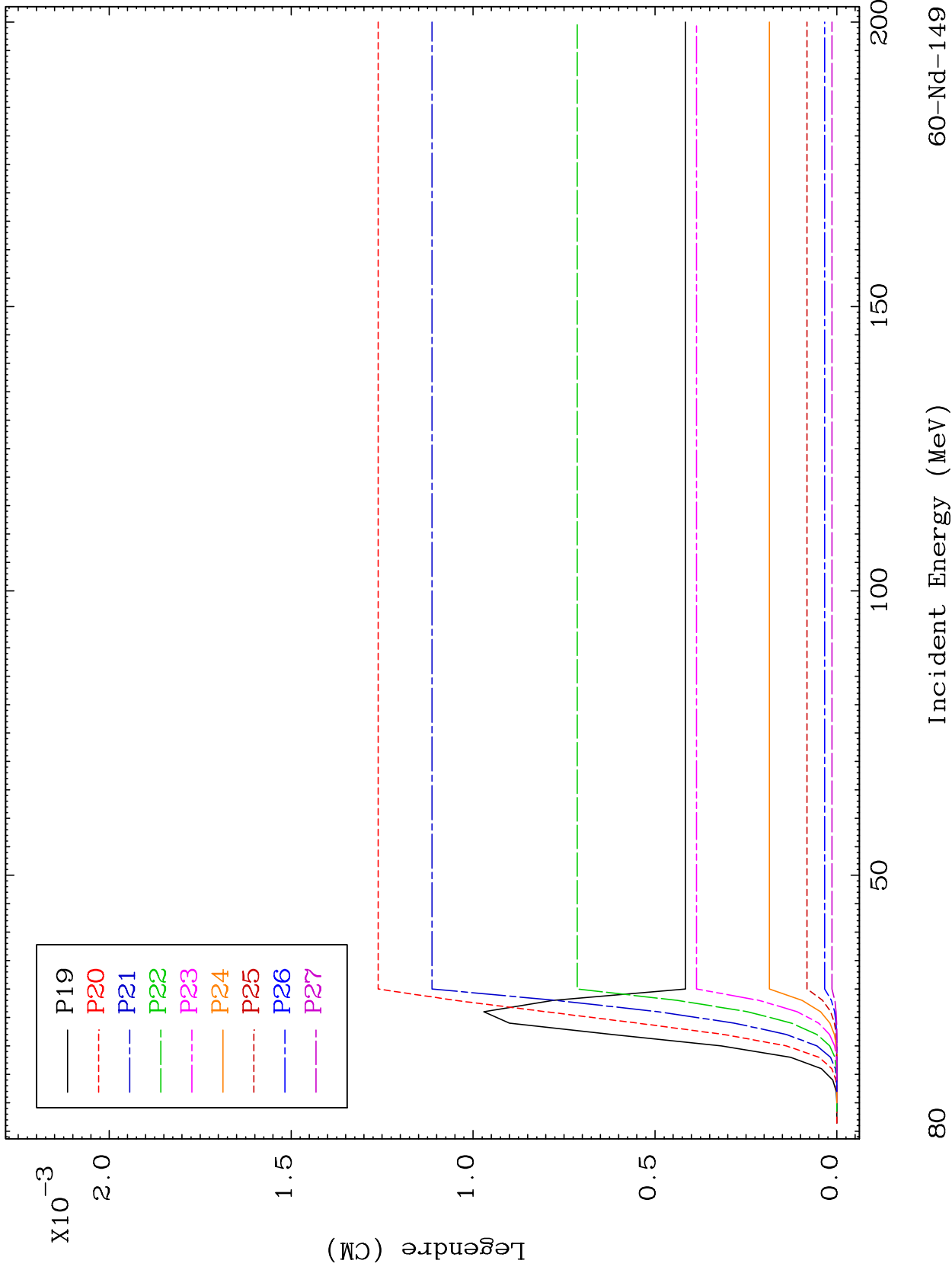
Incident Energy (MeV)

60-Nd-149

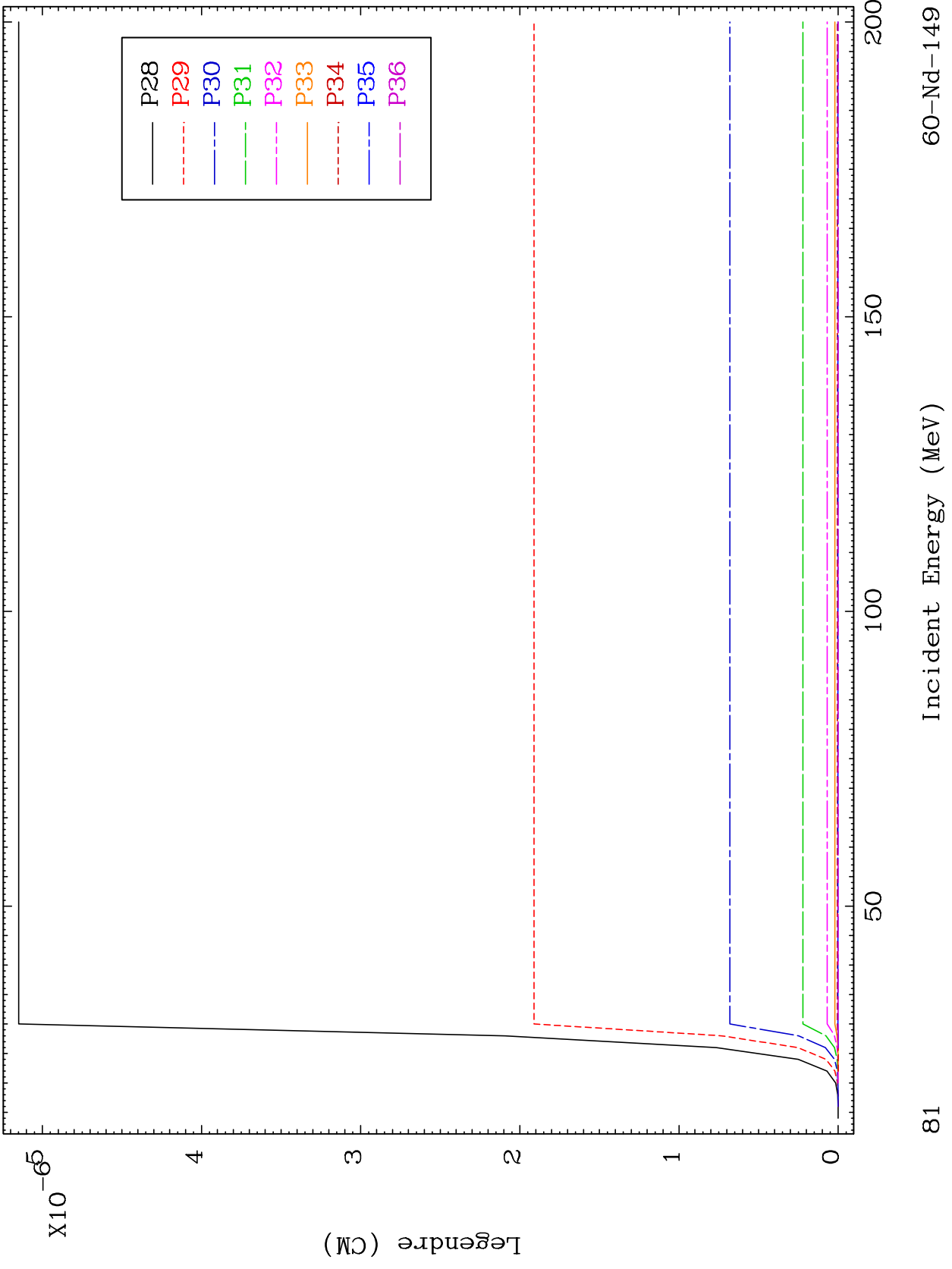
MAT 6046

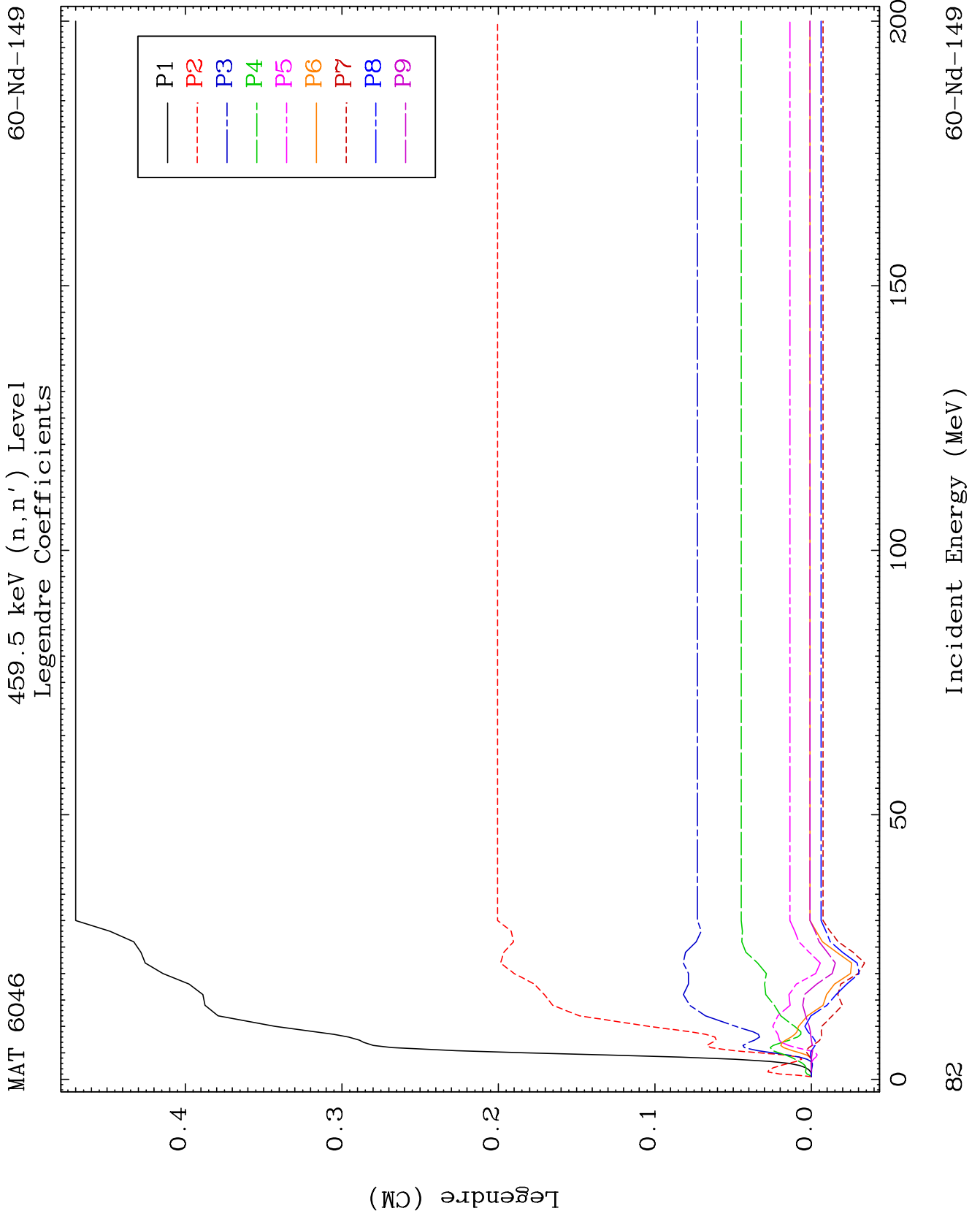
447.0 keV (n,n') Level
Legendre Coefficients

60-Nd-149



MAT 6046 447.0 keV (n,n') Level Legendre Coefficients 60-Nd-149

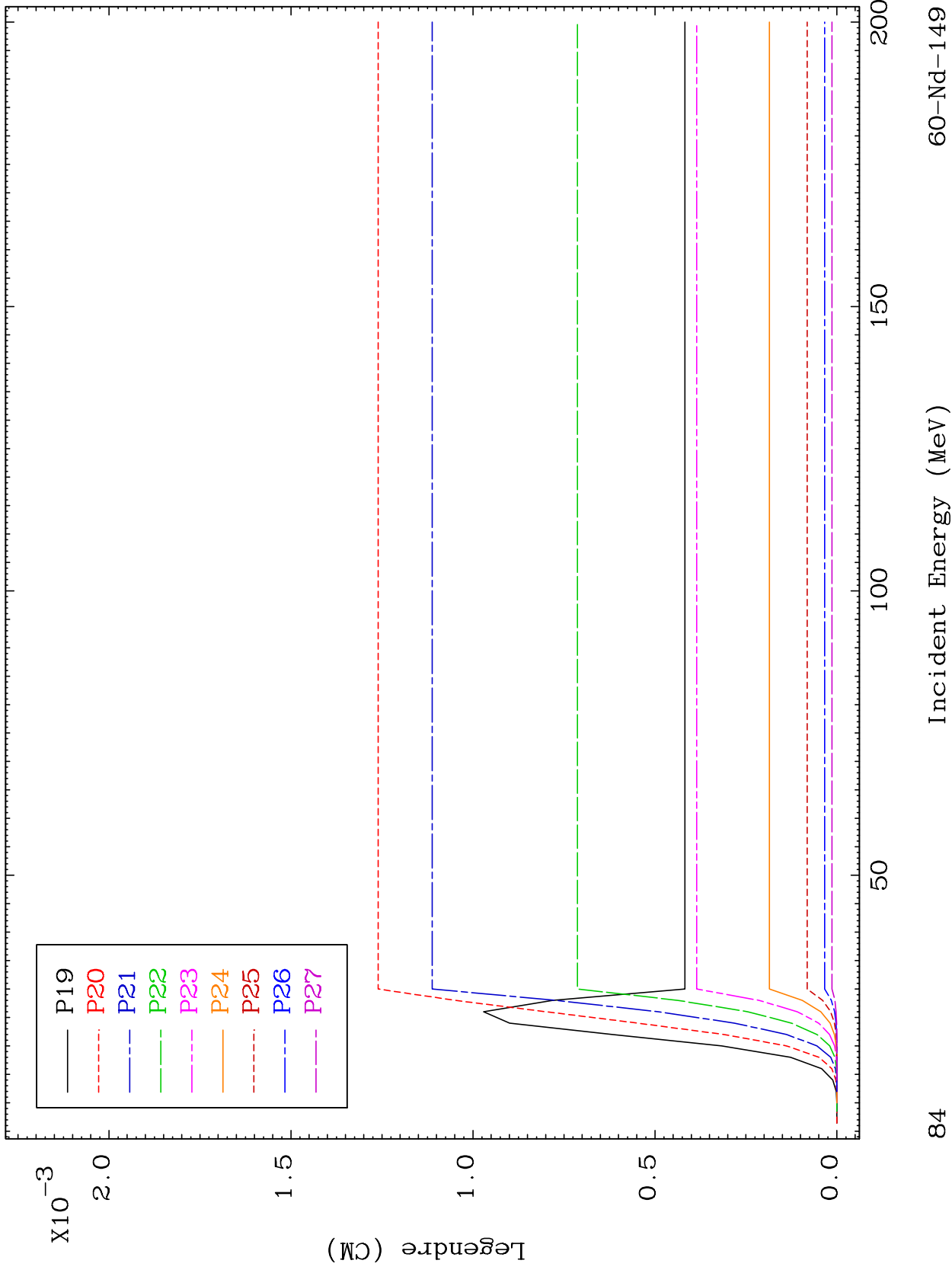




MAT 6046

459.5 keV (n,n') Level
Legendre Coefficients

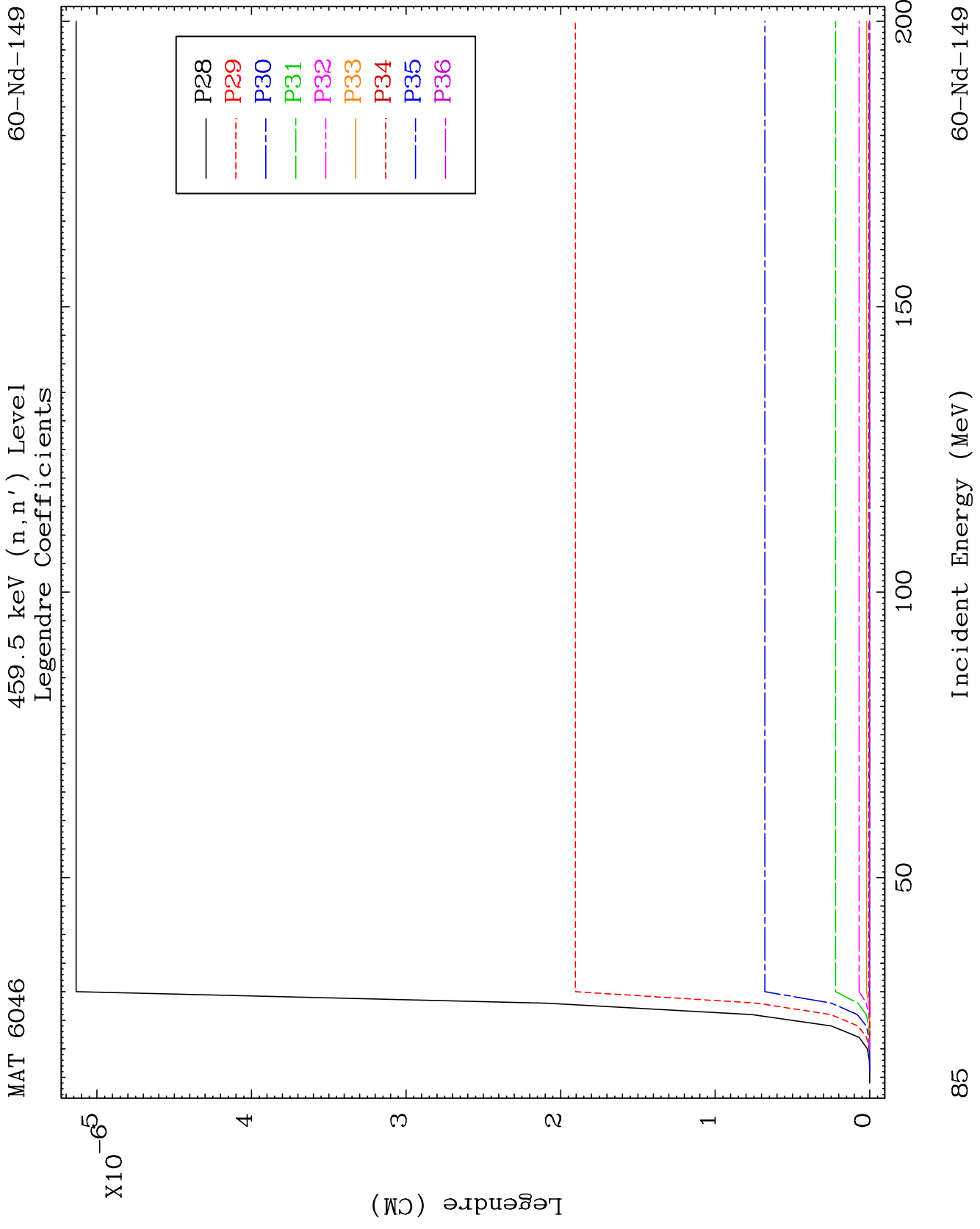
60-Nd-149

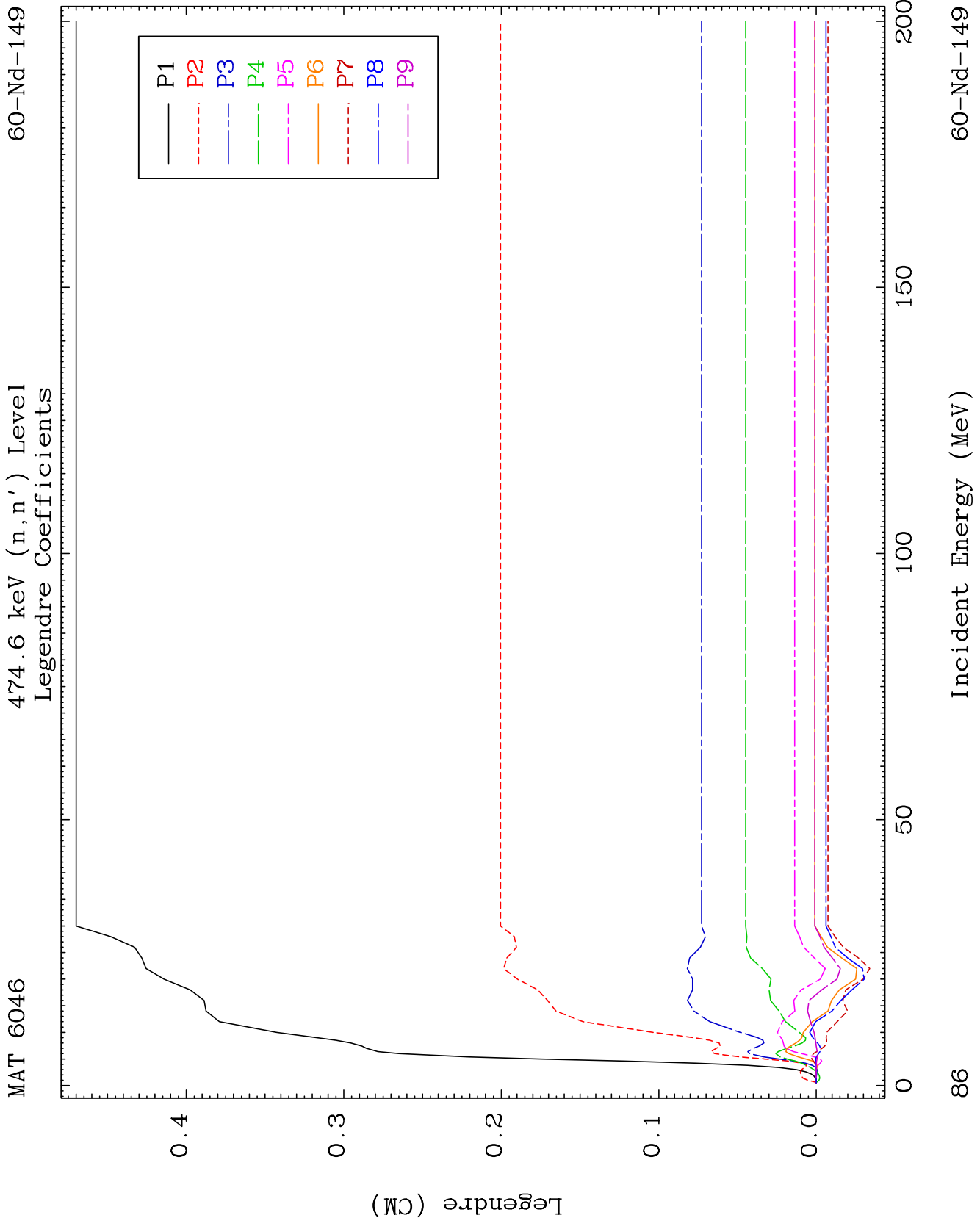


84

Incident Energy (MeV)

60-Nd-149

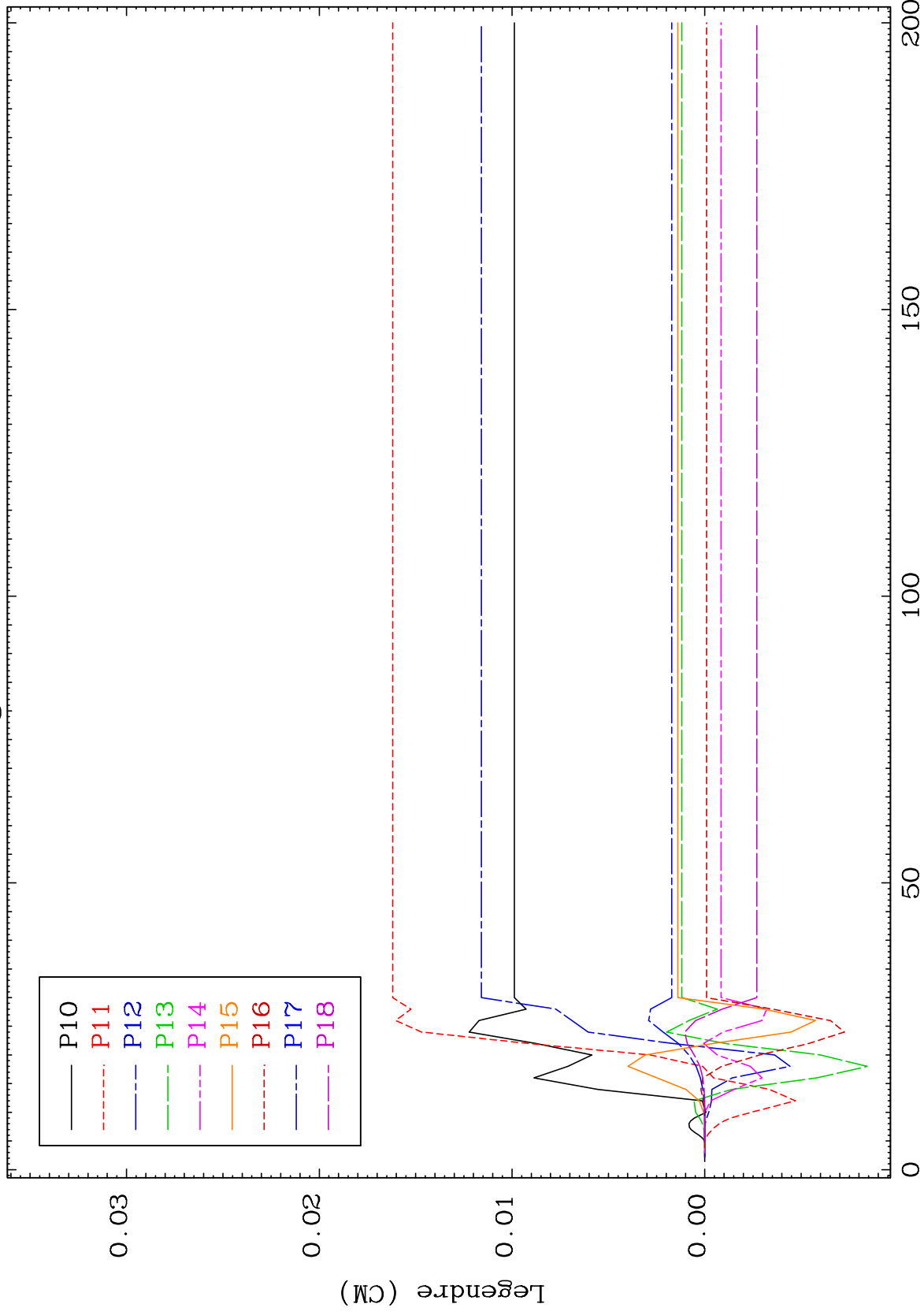




MAT 6046

474.6 keV (n,n') Level
Legendre Coefficients

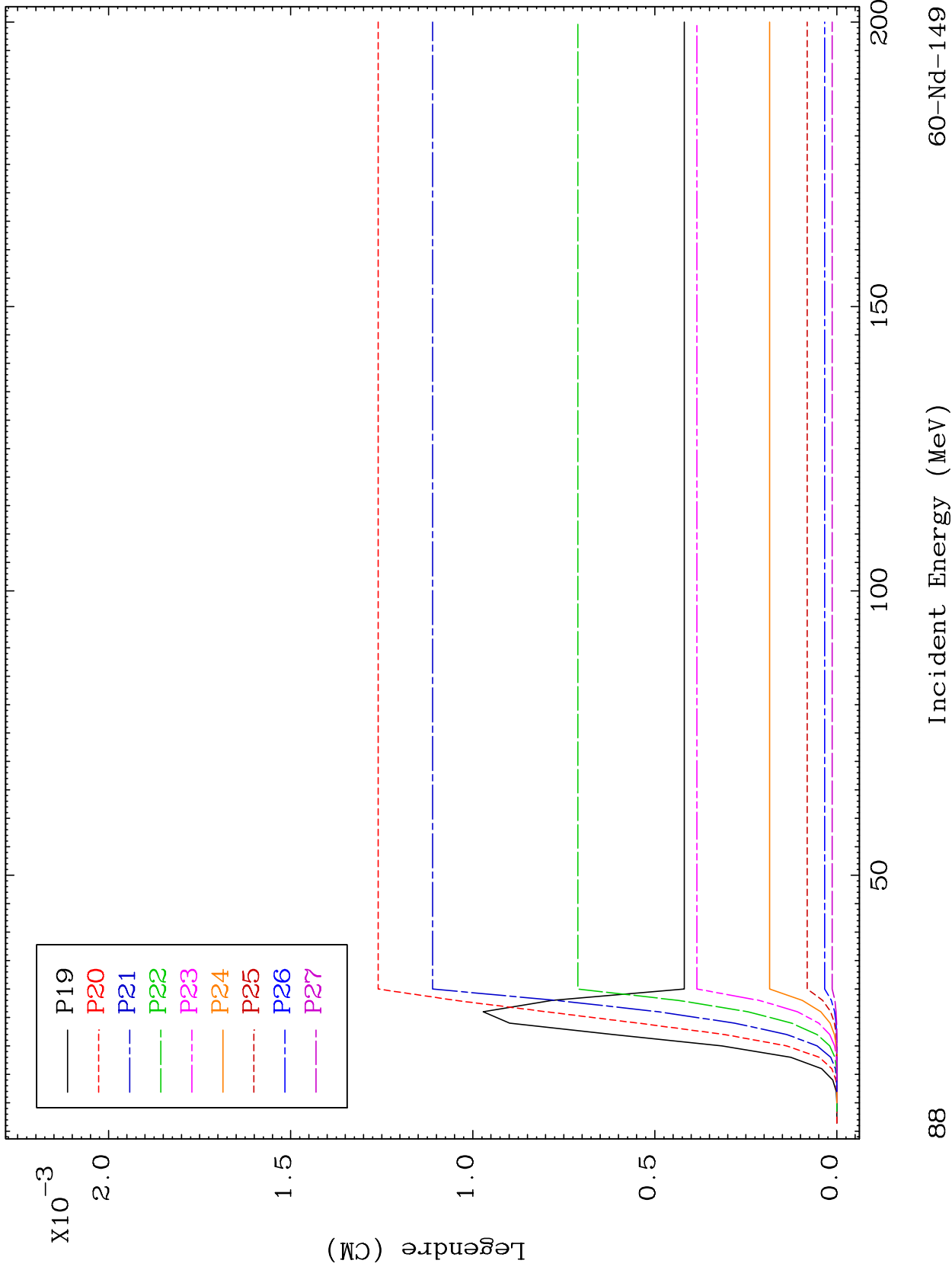
60-Nd-149



87

Incident Energy (MeV)

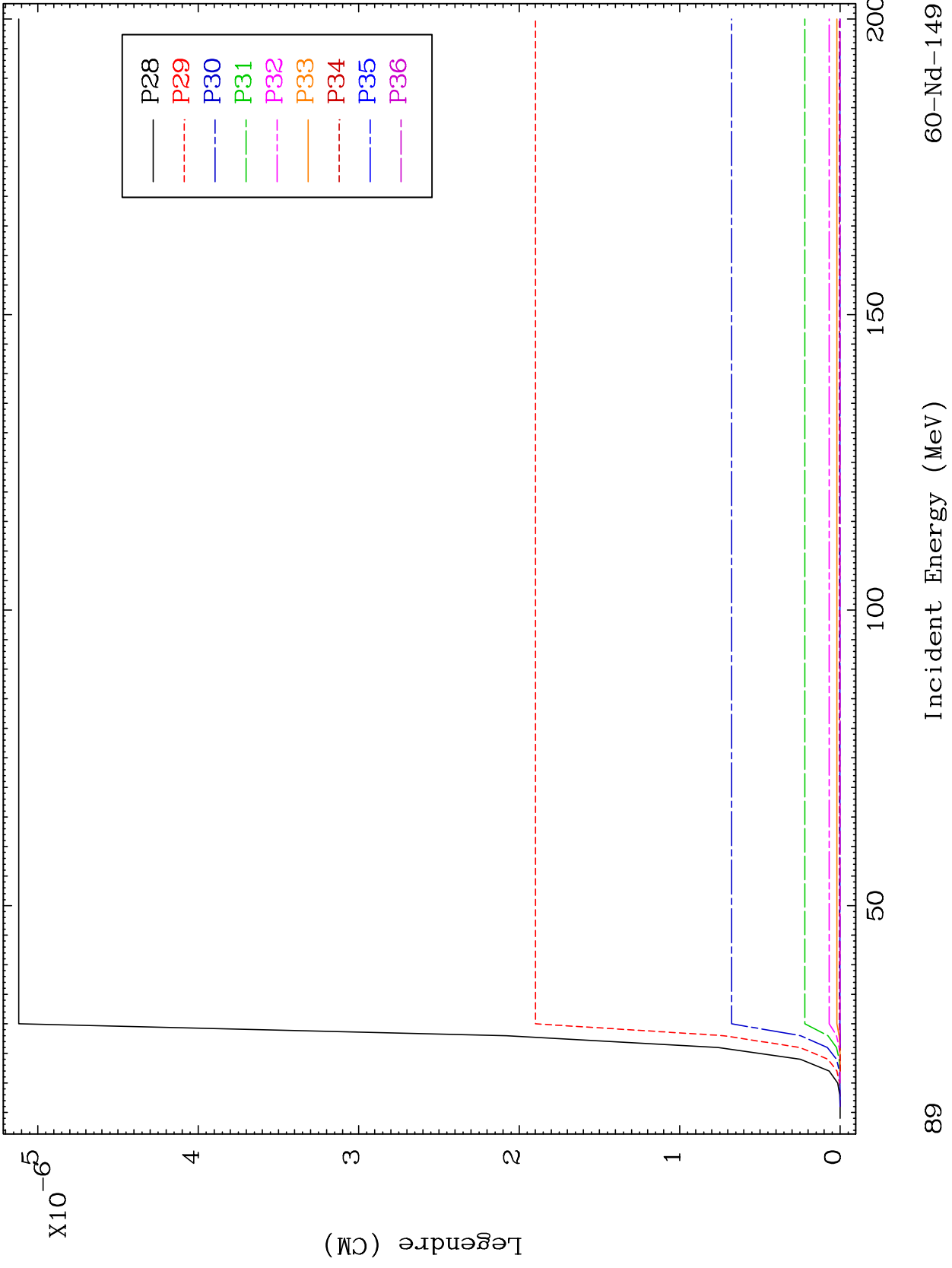
60-Nd-149



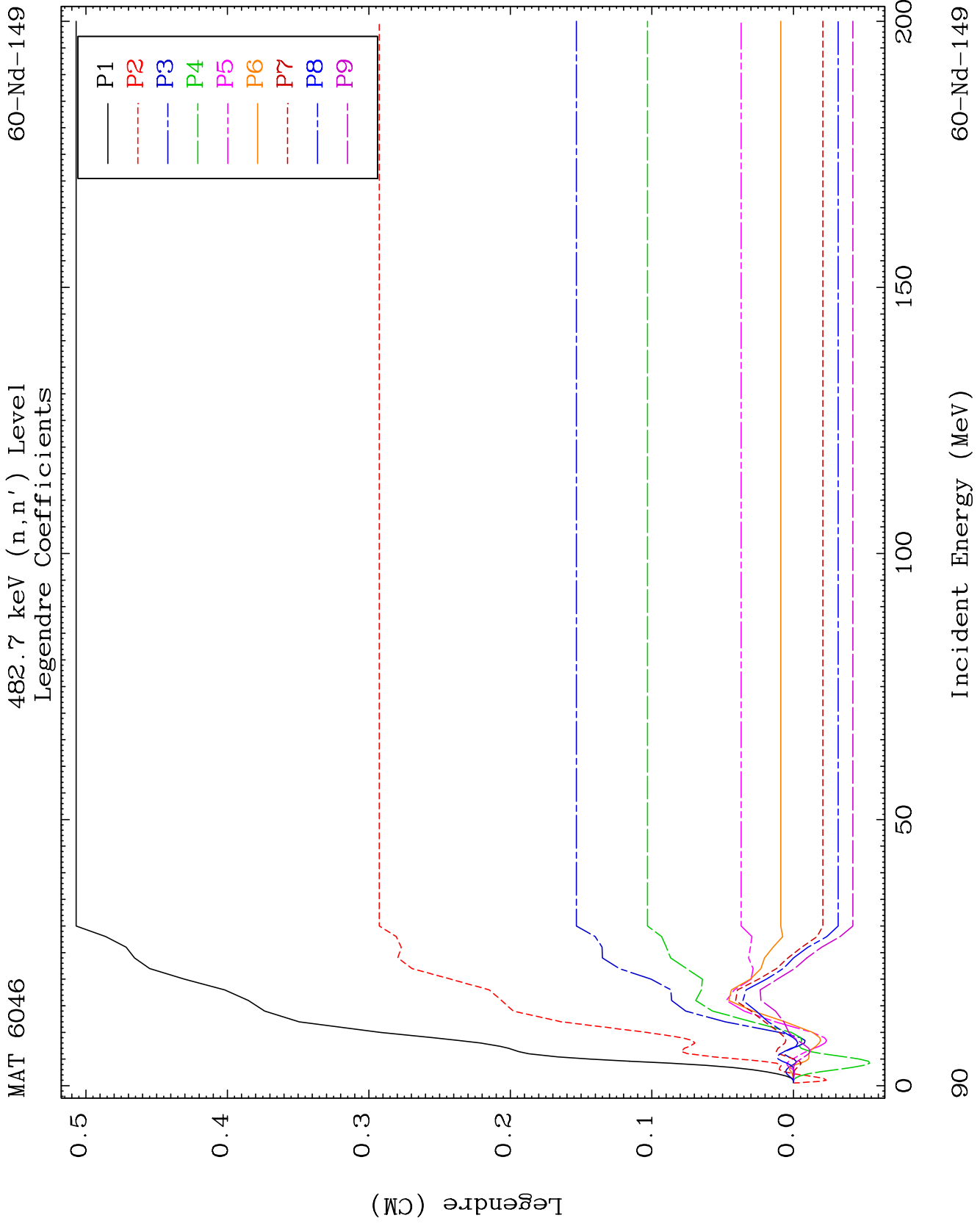
MAT 6046

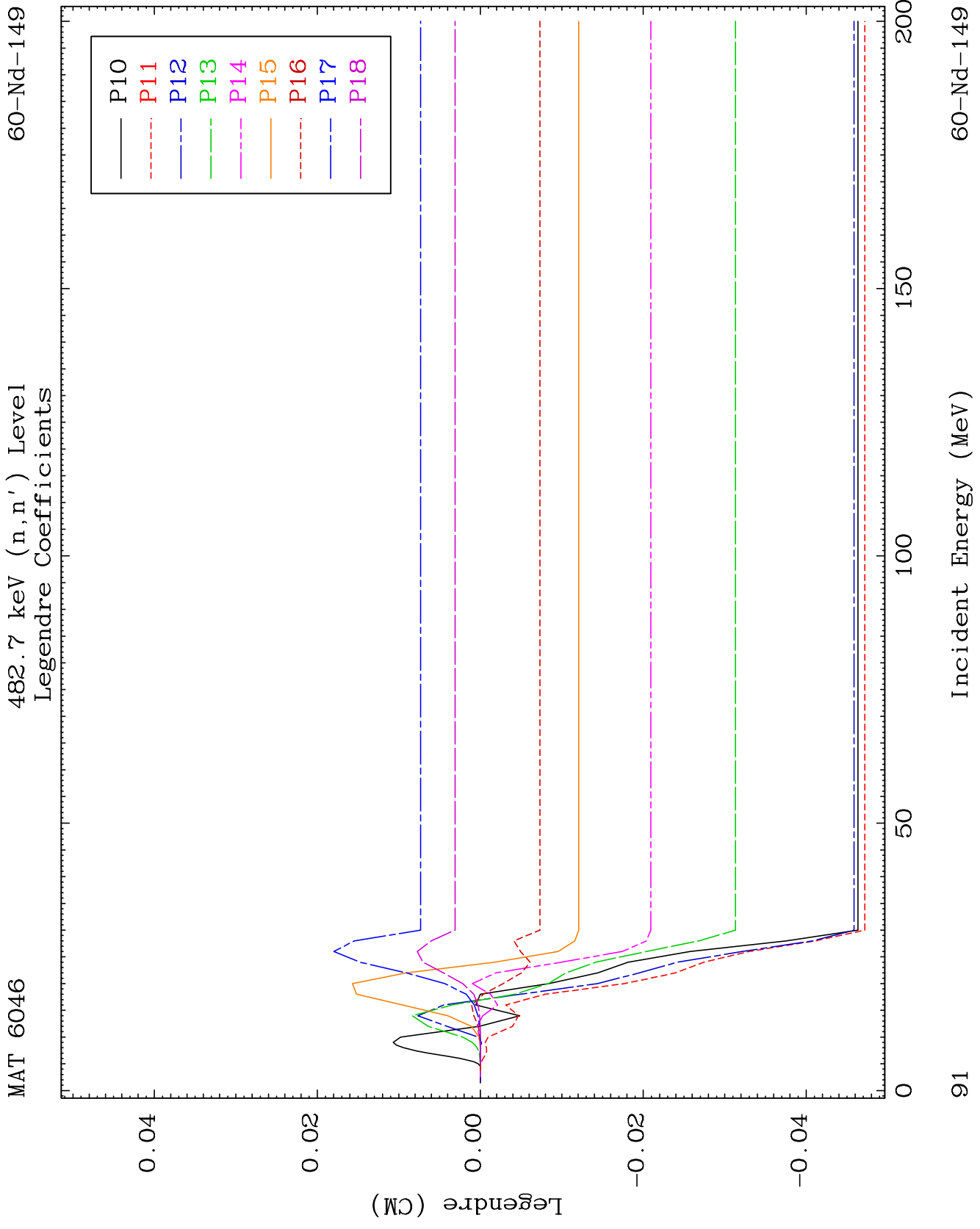
474.6 keV (n,n') Level
Legendre Coefficients

60-Nd-149



89

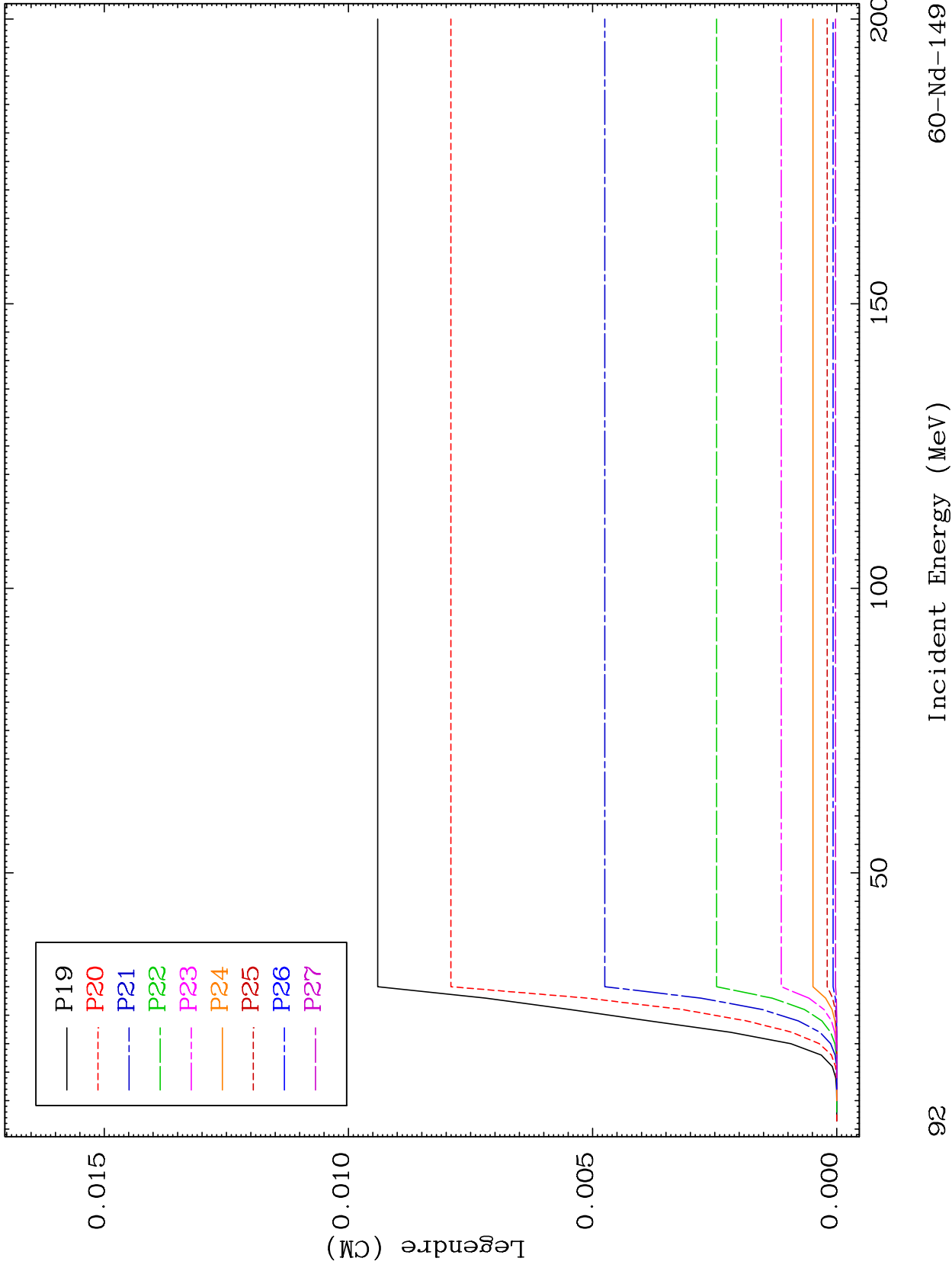




MAT 6046

482.7 keV (n,n') Level
Legendre Coefficients

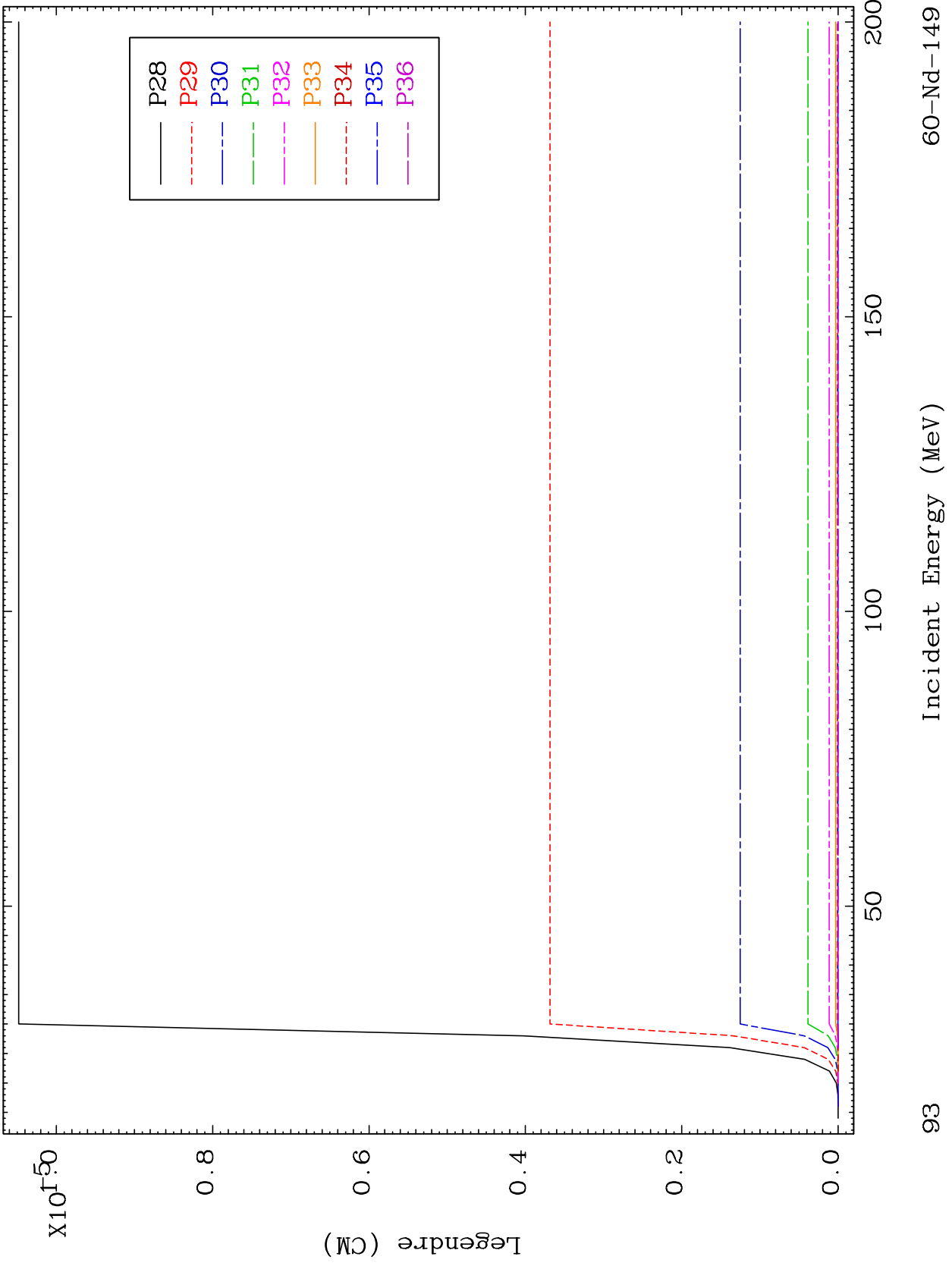
60-Nd-149



92

Incident Energy (MeV)

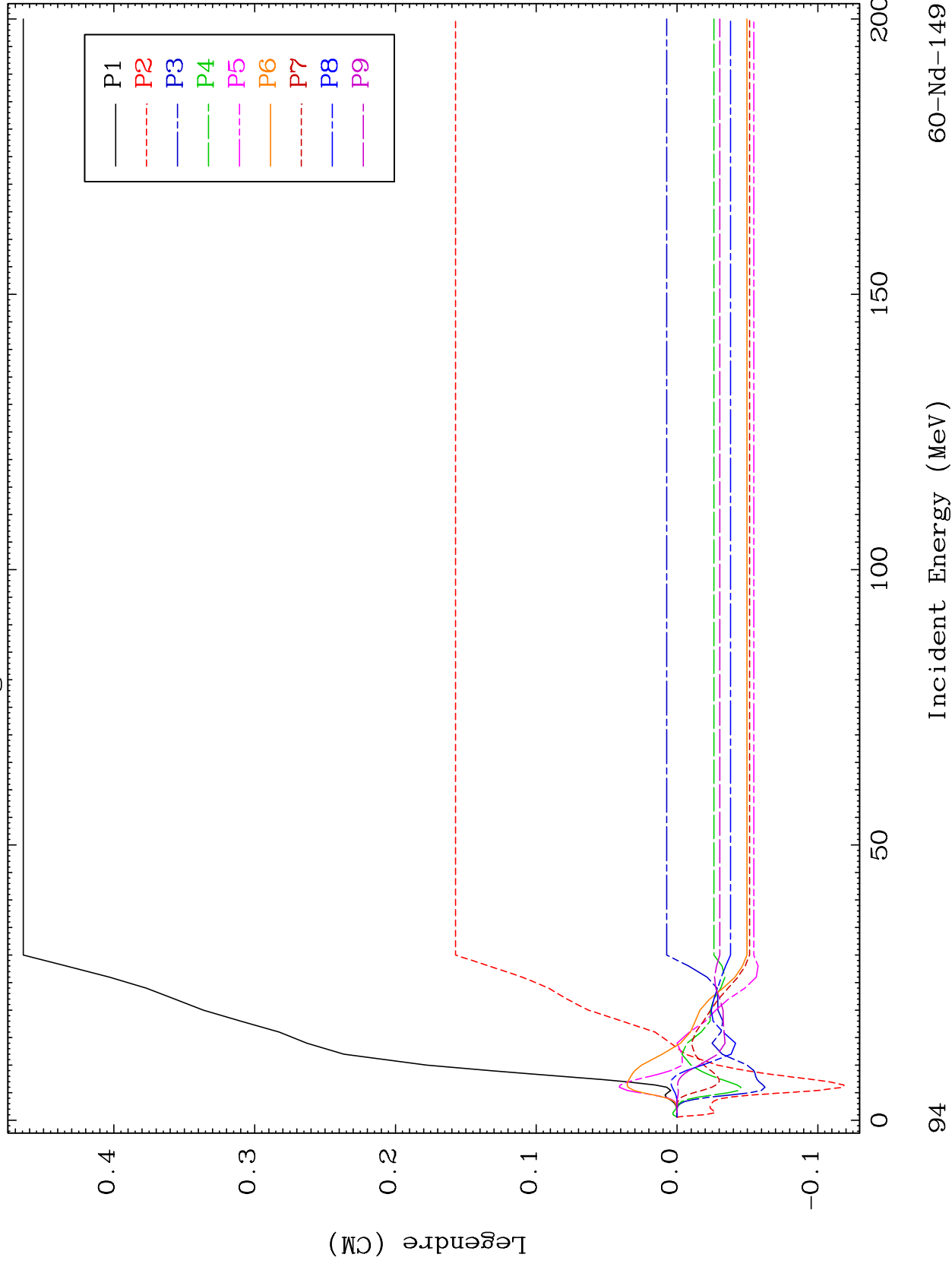
60-Nd-149



MAT 6046

493.3 keV (n,n') Level
Legendre Coefficients

60-Nd-149



94

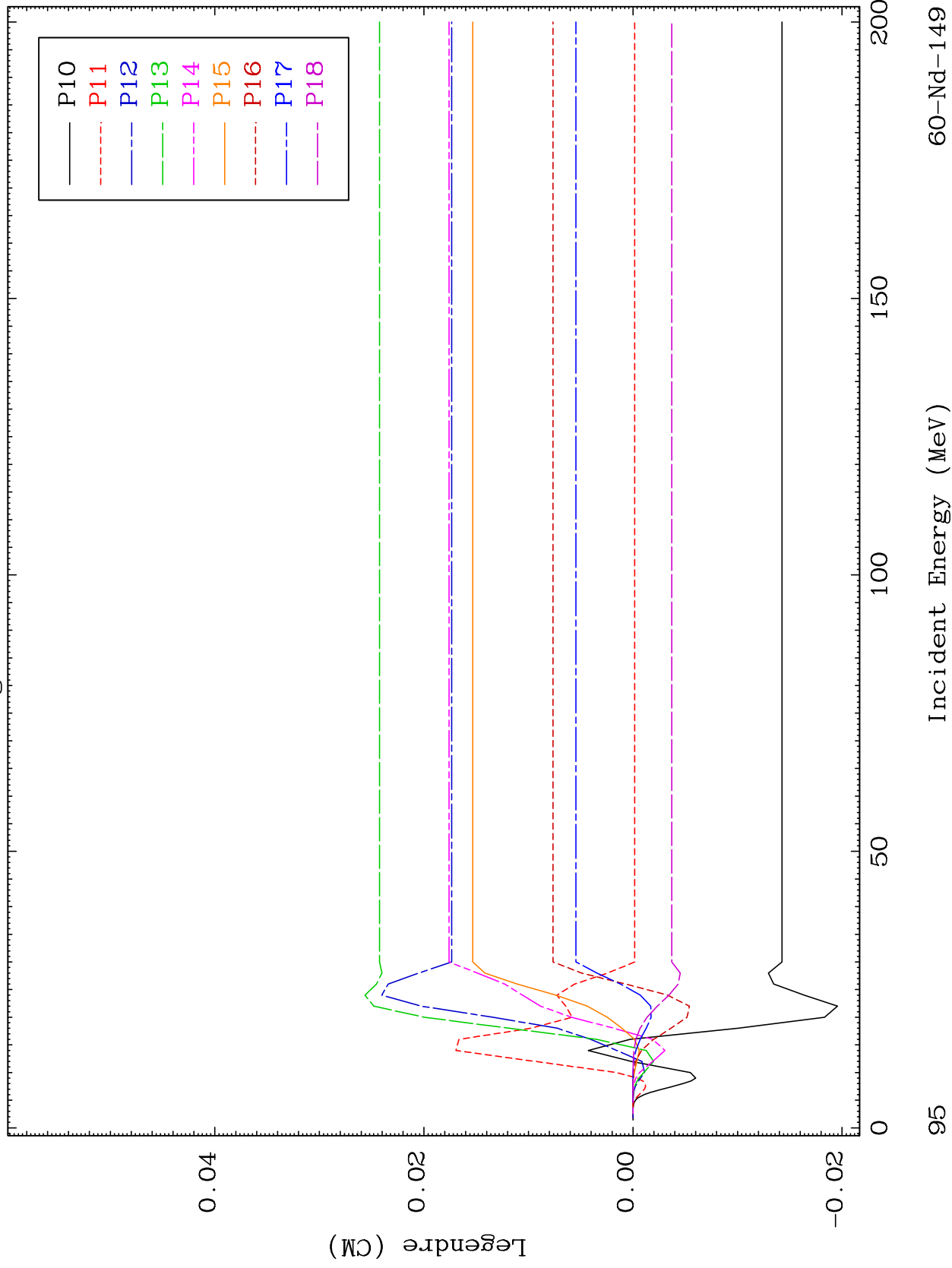
Incident Energy (MeV)

60-Nd-149

MAT 6046

493.3 keV (n,n') Level
Legendre Coefficients

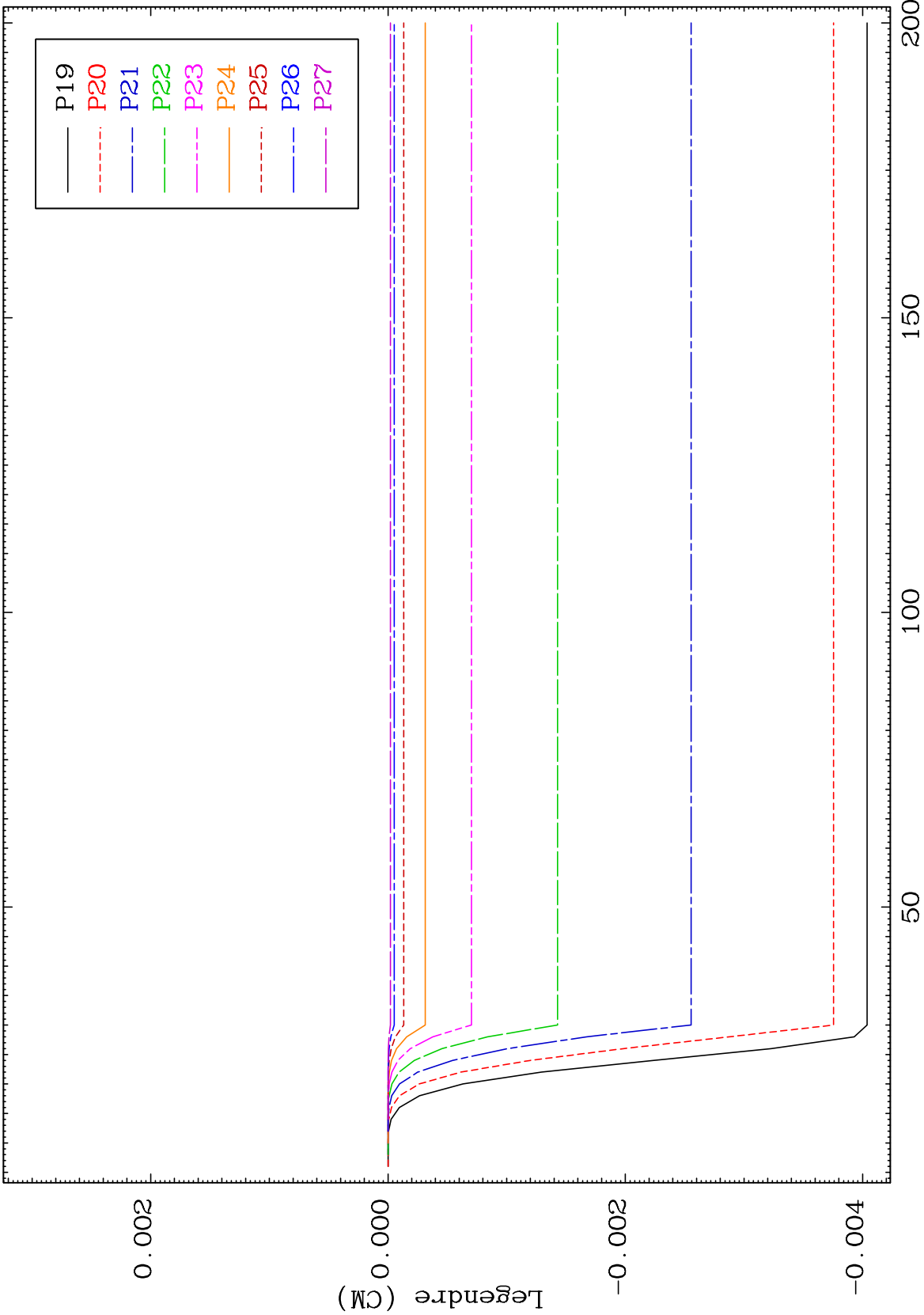
60-Nd-149

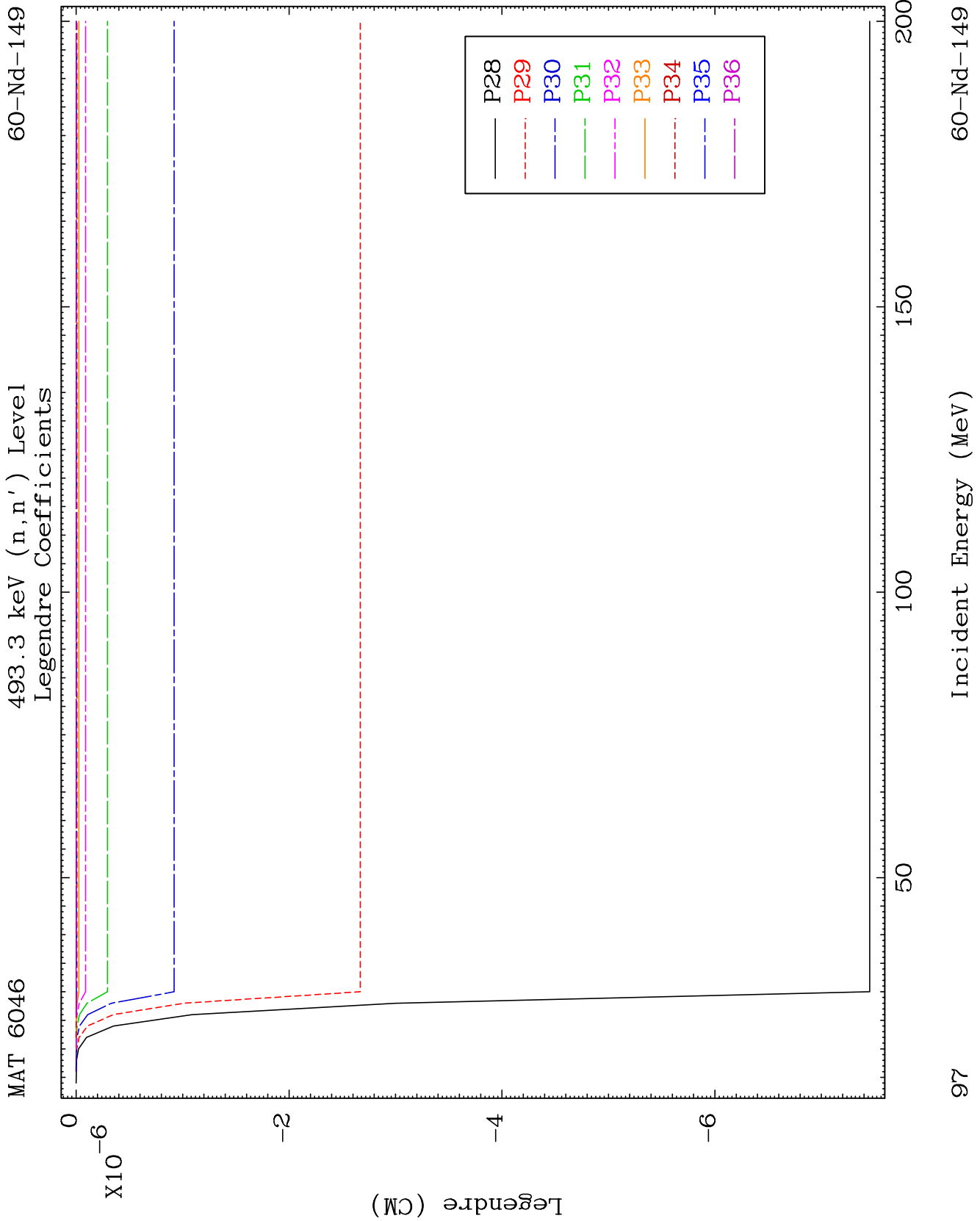


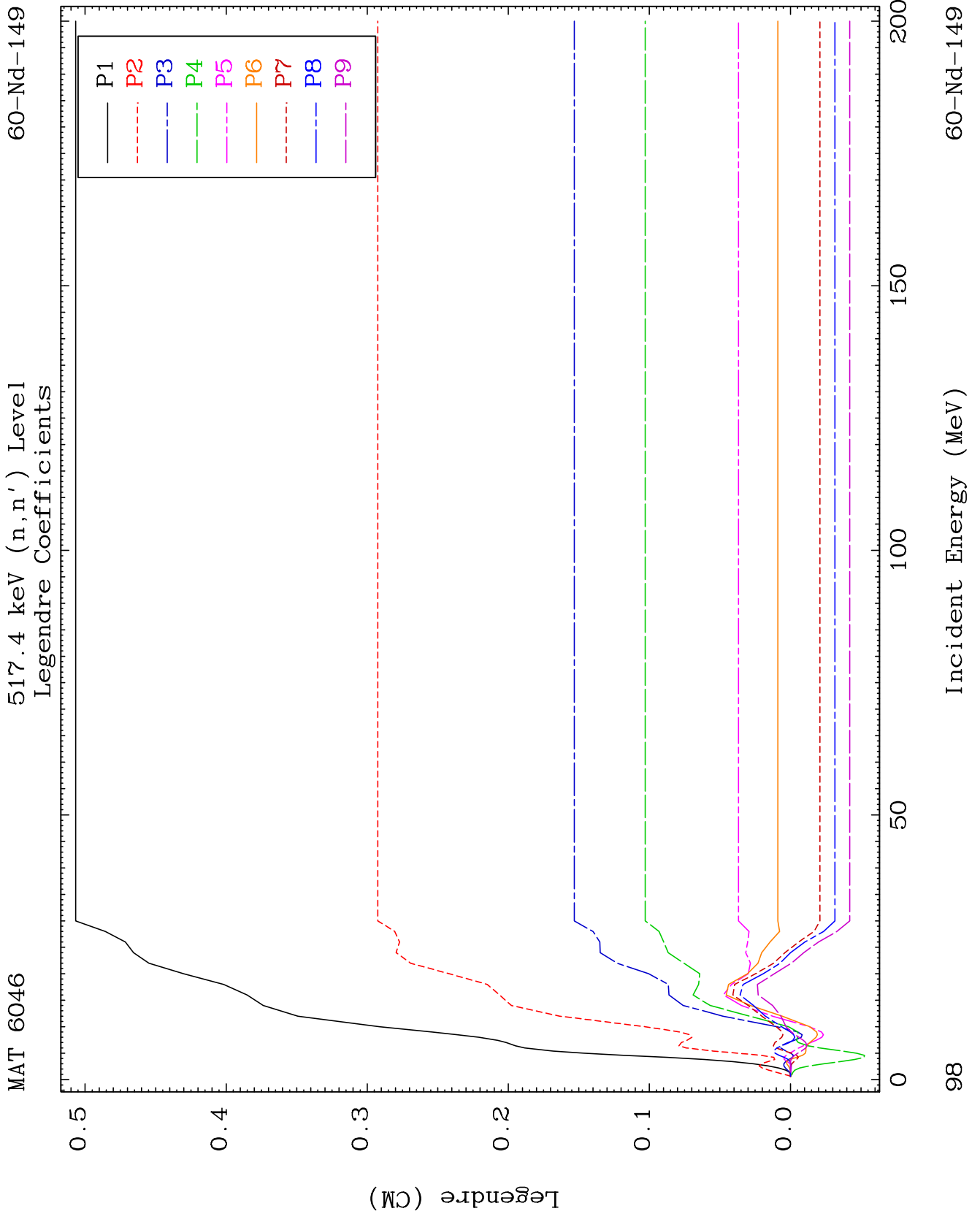
60-Nd-149

Incident Energy (MeV)

95



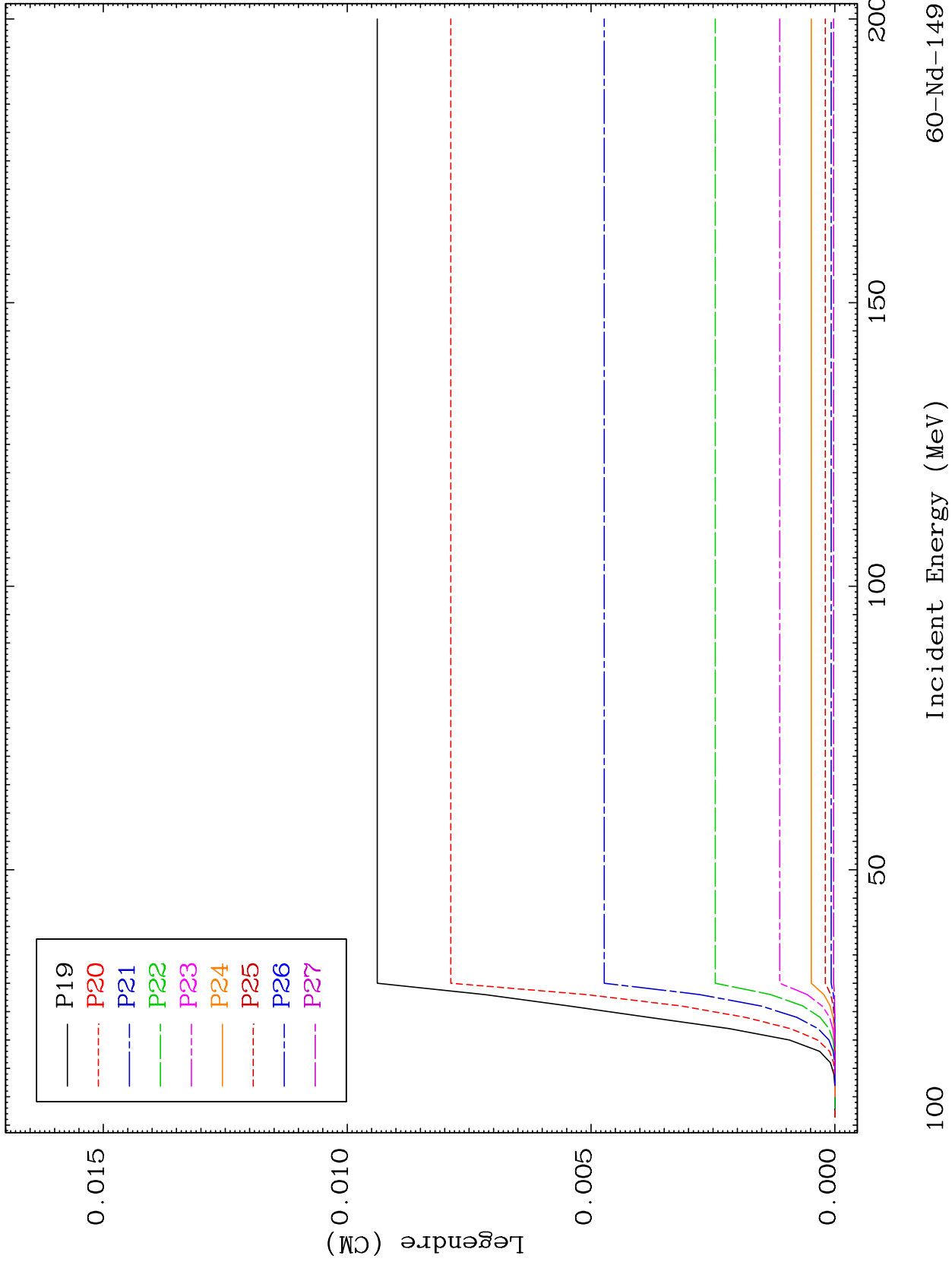




MAT 6046

517.4 keV (n,n') Level
Legendre Coefficients

60-Nd-149



60-Nd-149

Incident Energy (MeV)

100

50

100

150

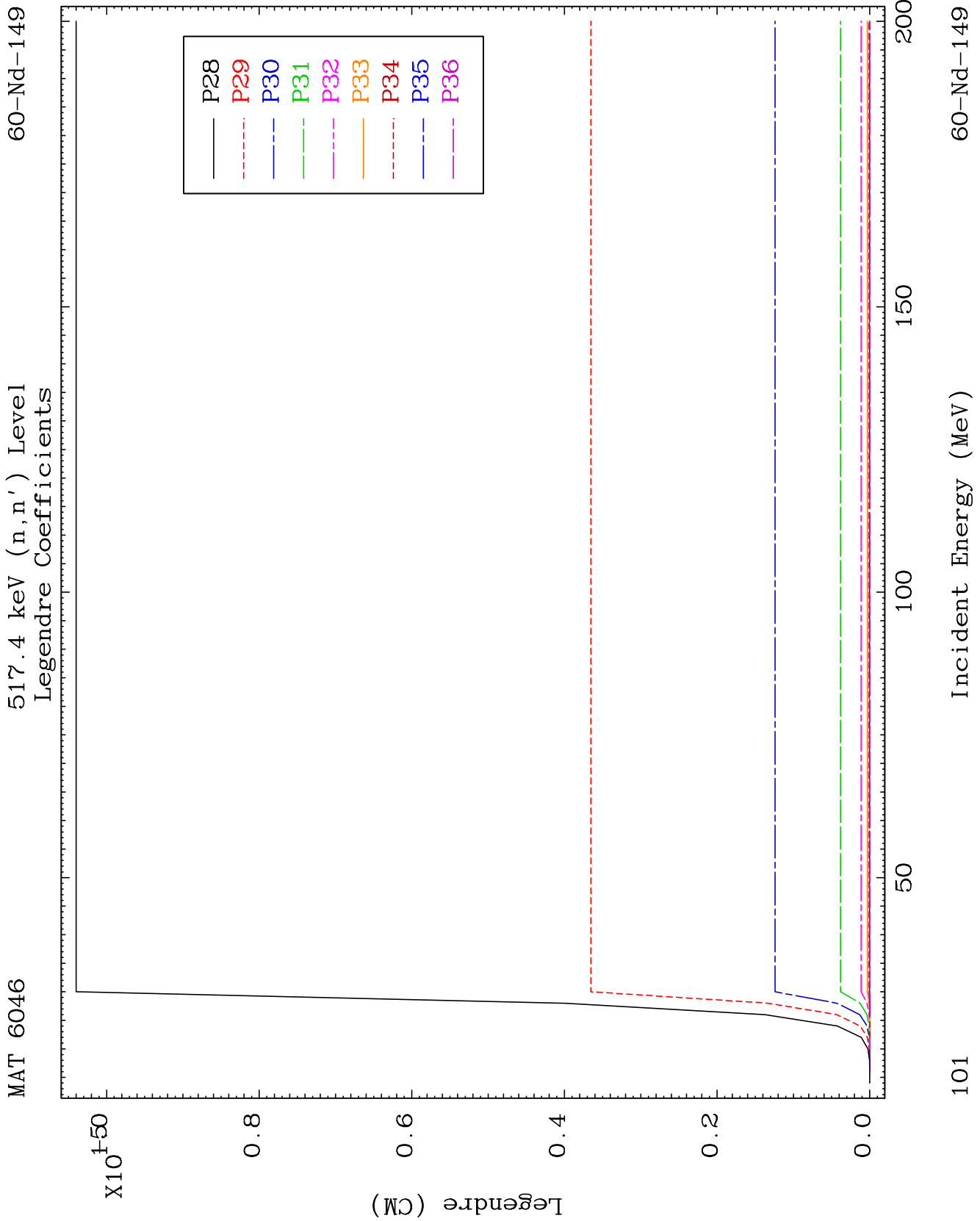
200

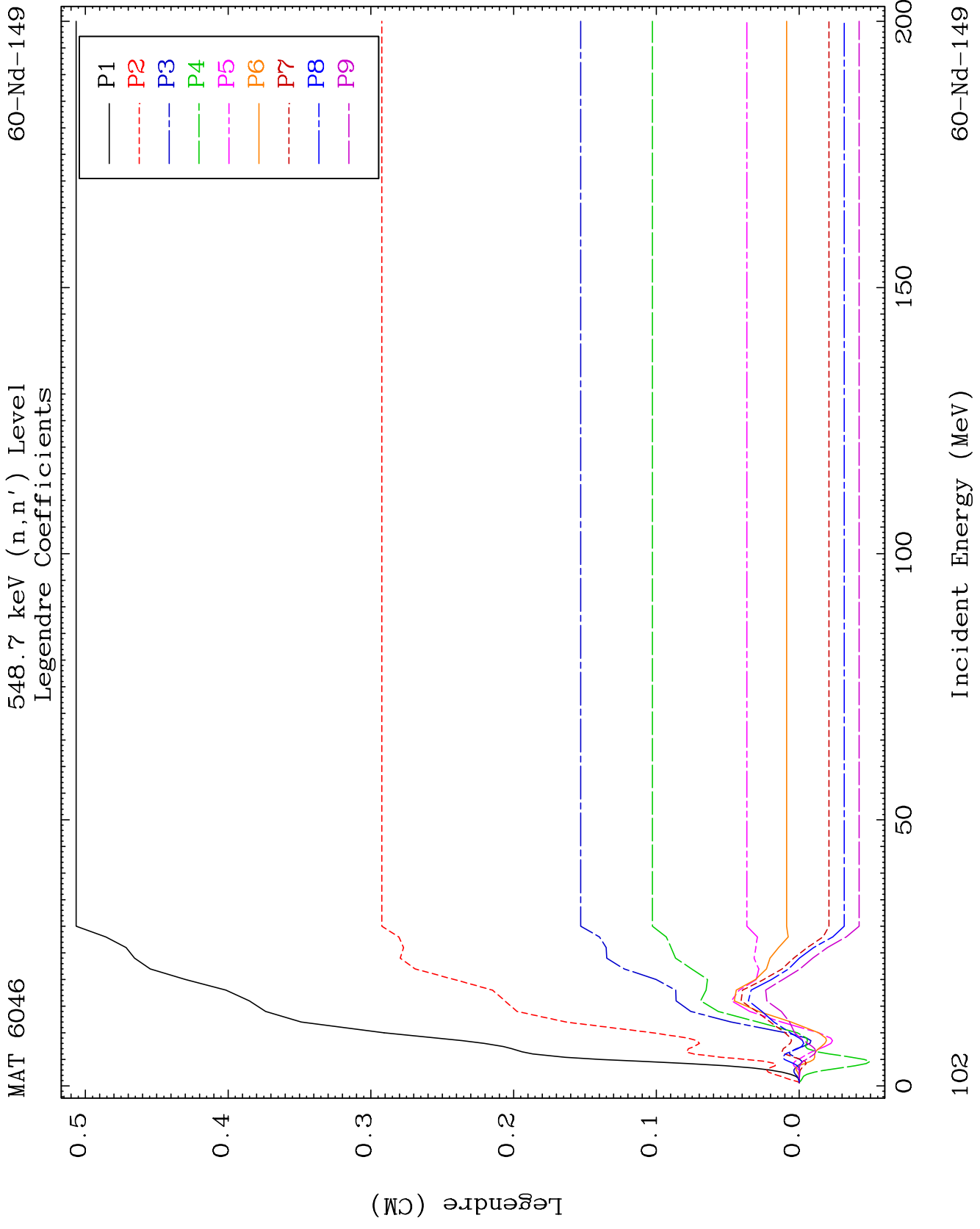
0.015

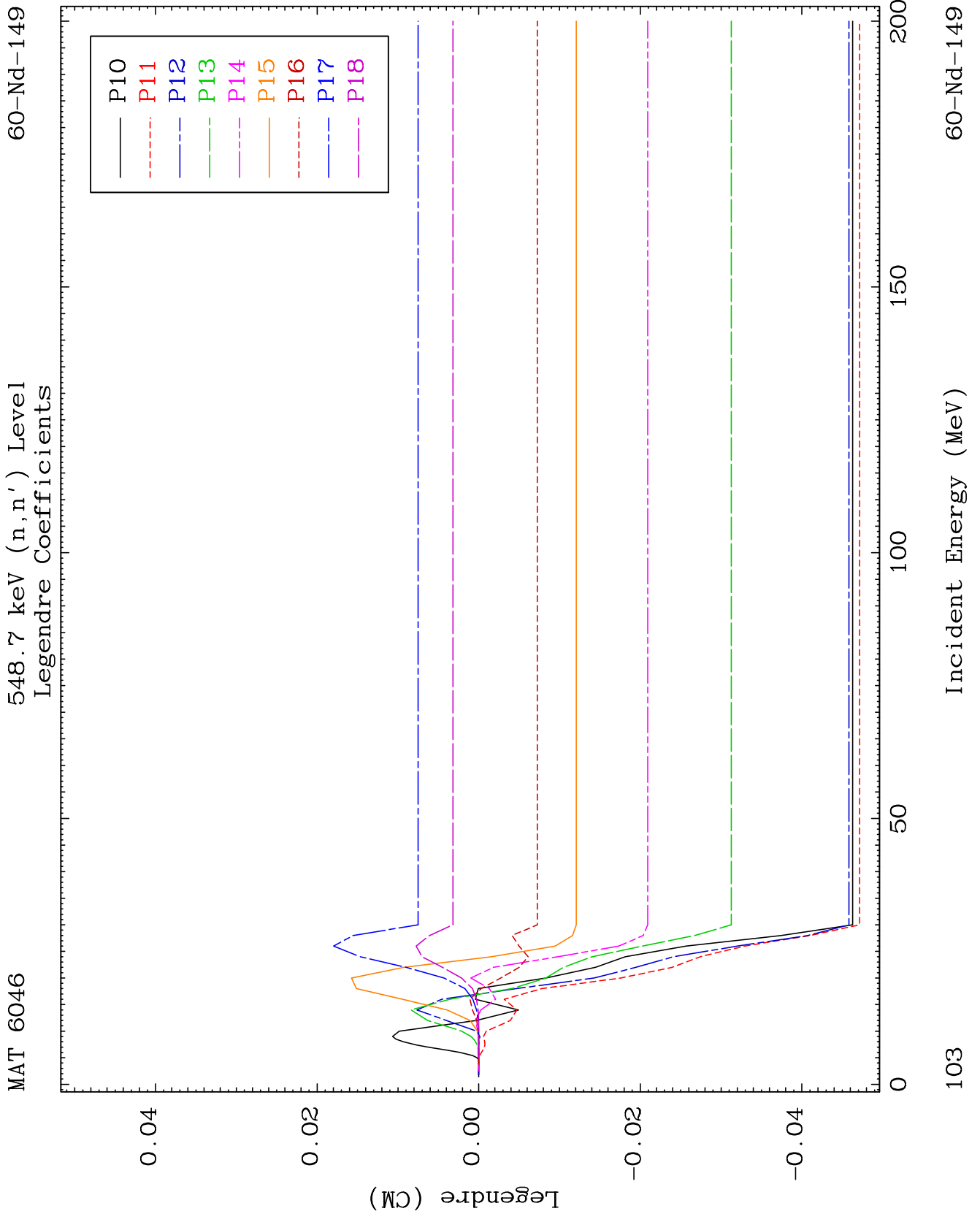
Legendre (CM)

0.005

0.000



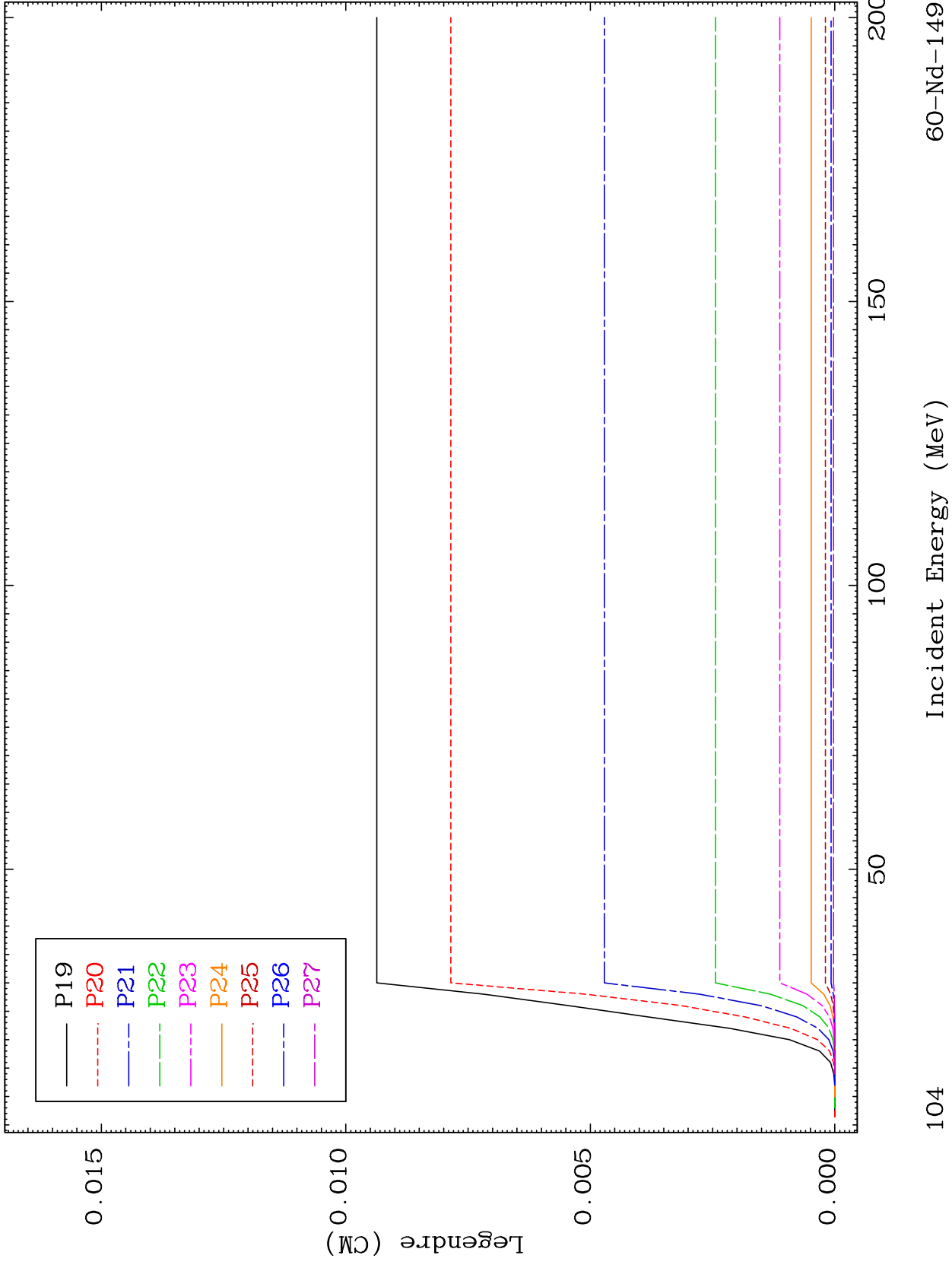




MAT 6046

548.7 keV (n,n') Level
Legendre Coefficients

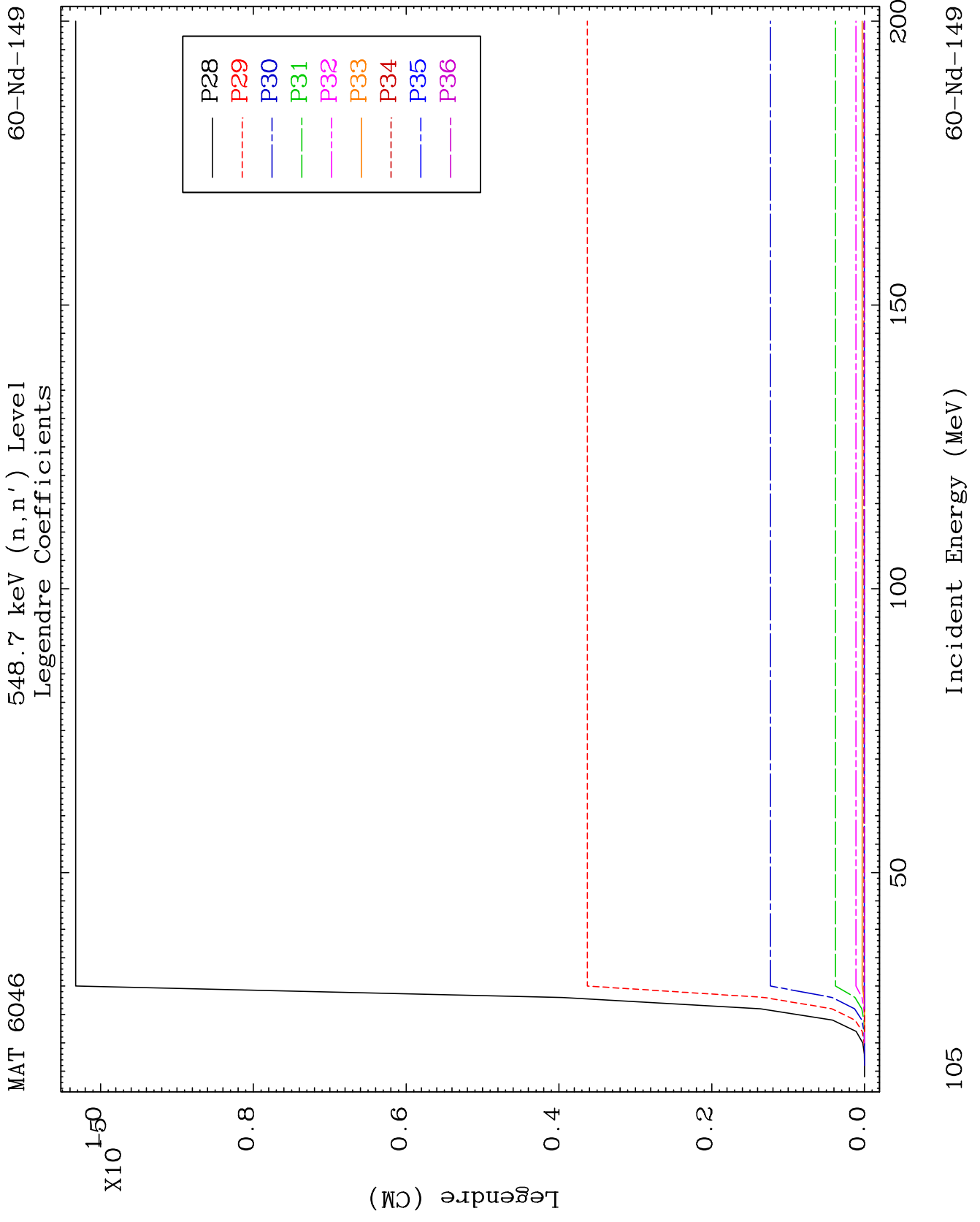
60-Nd-149

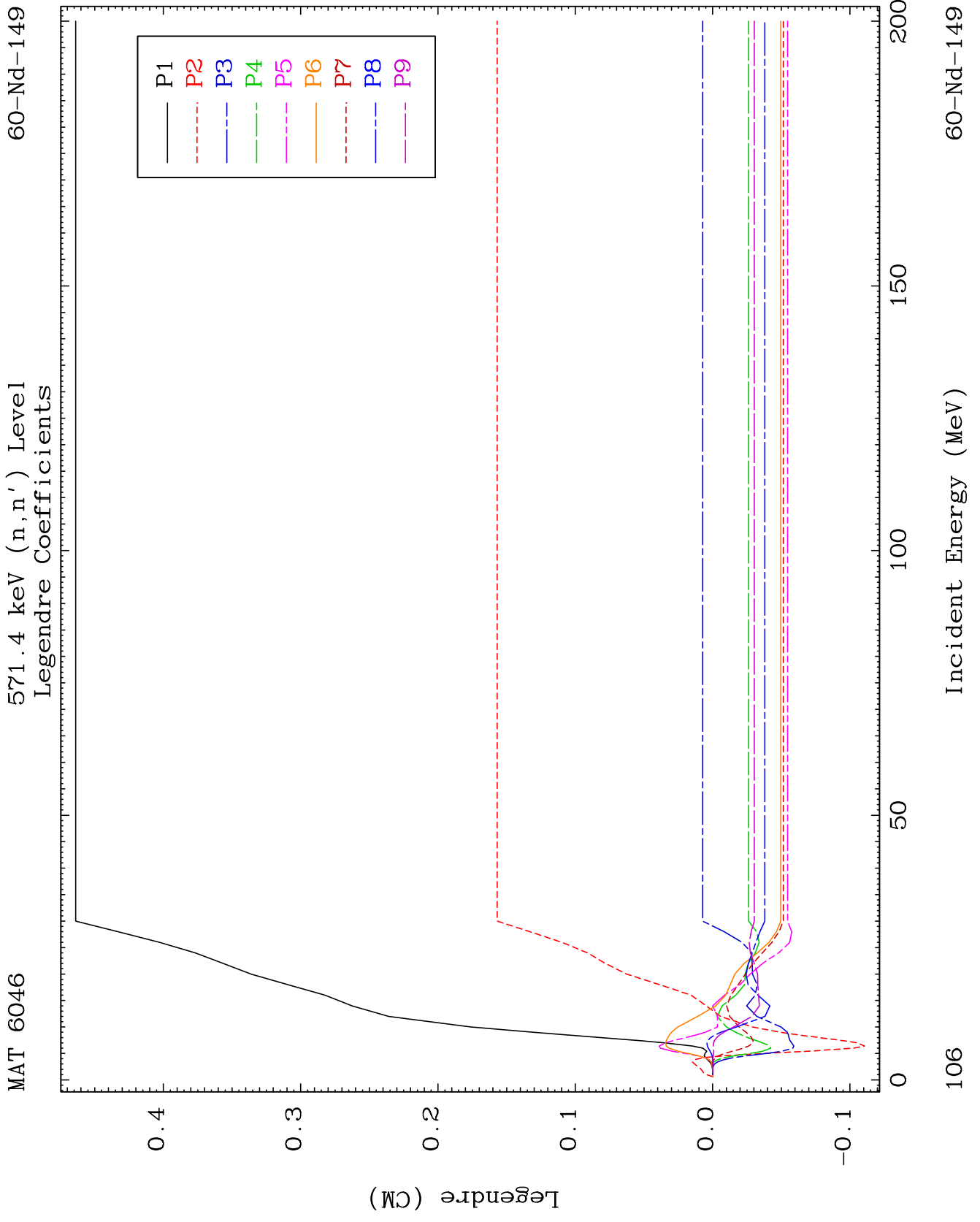


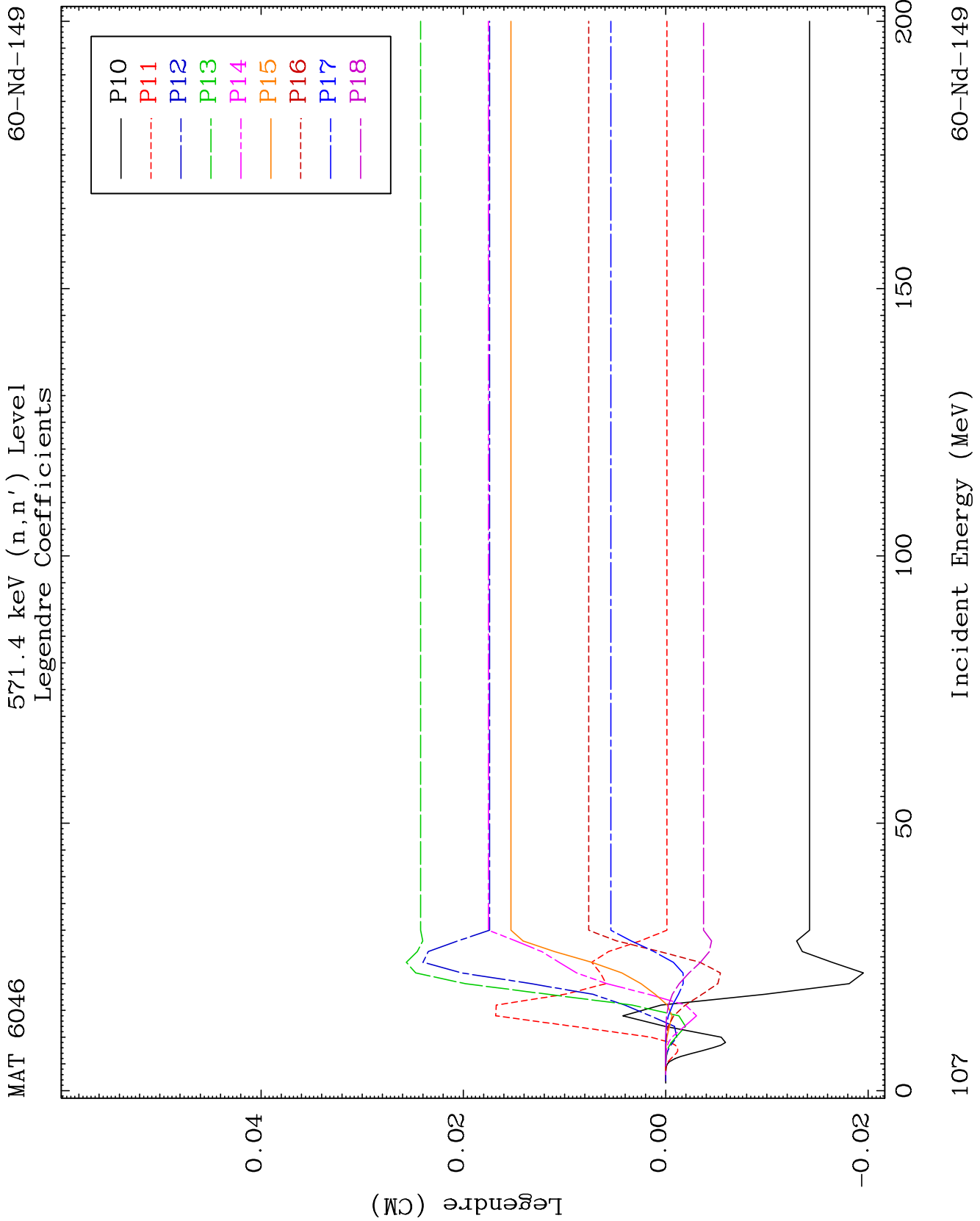
104

Incident Energy (MeV)

60-Nd-149



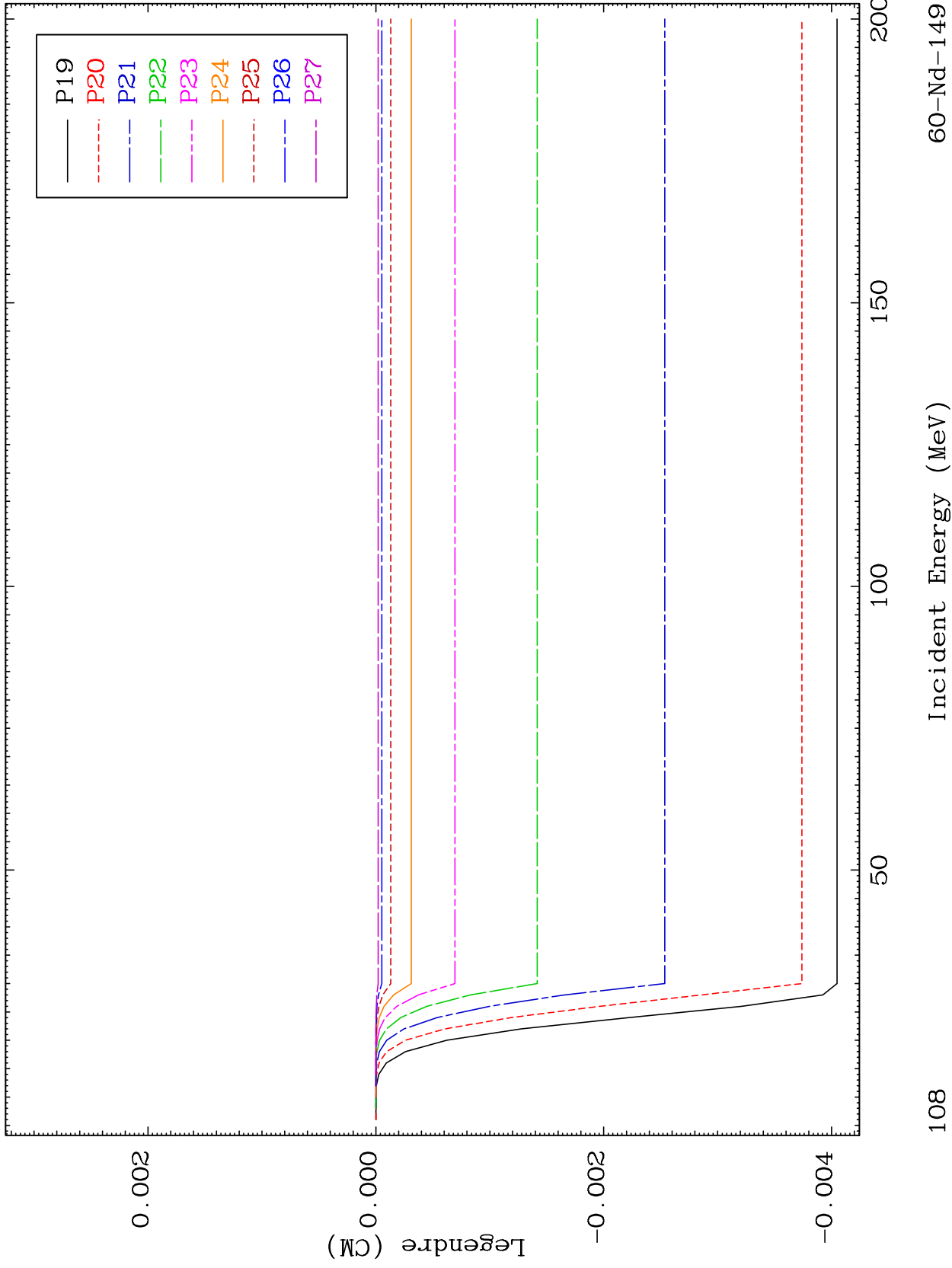




MAT 6046

571.4 keV (n,n') Level
Legendre Coefficients

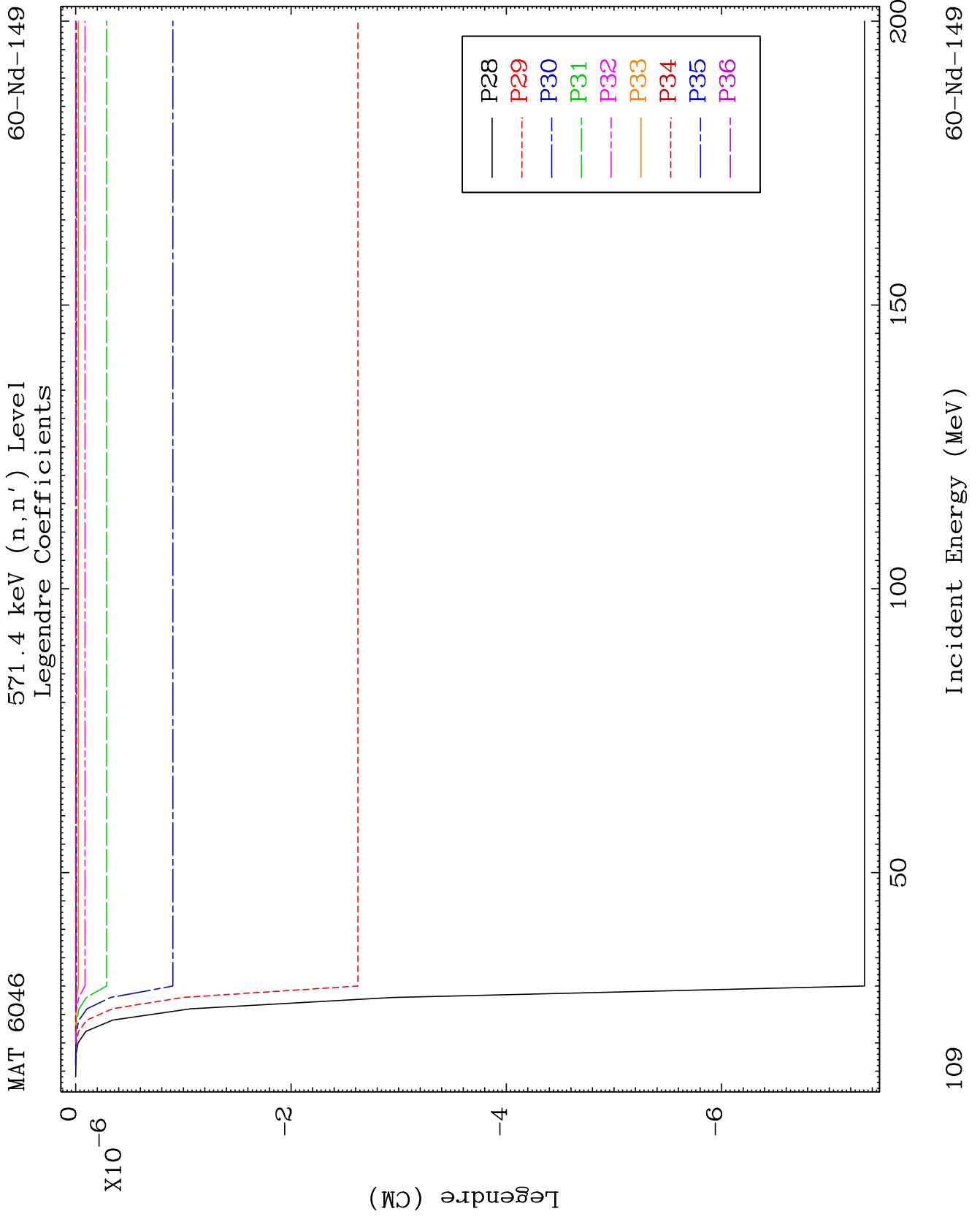
60-Nd-149

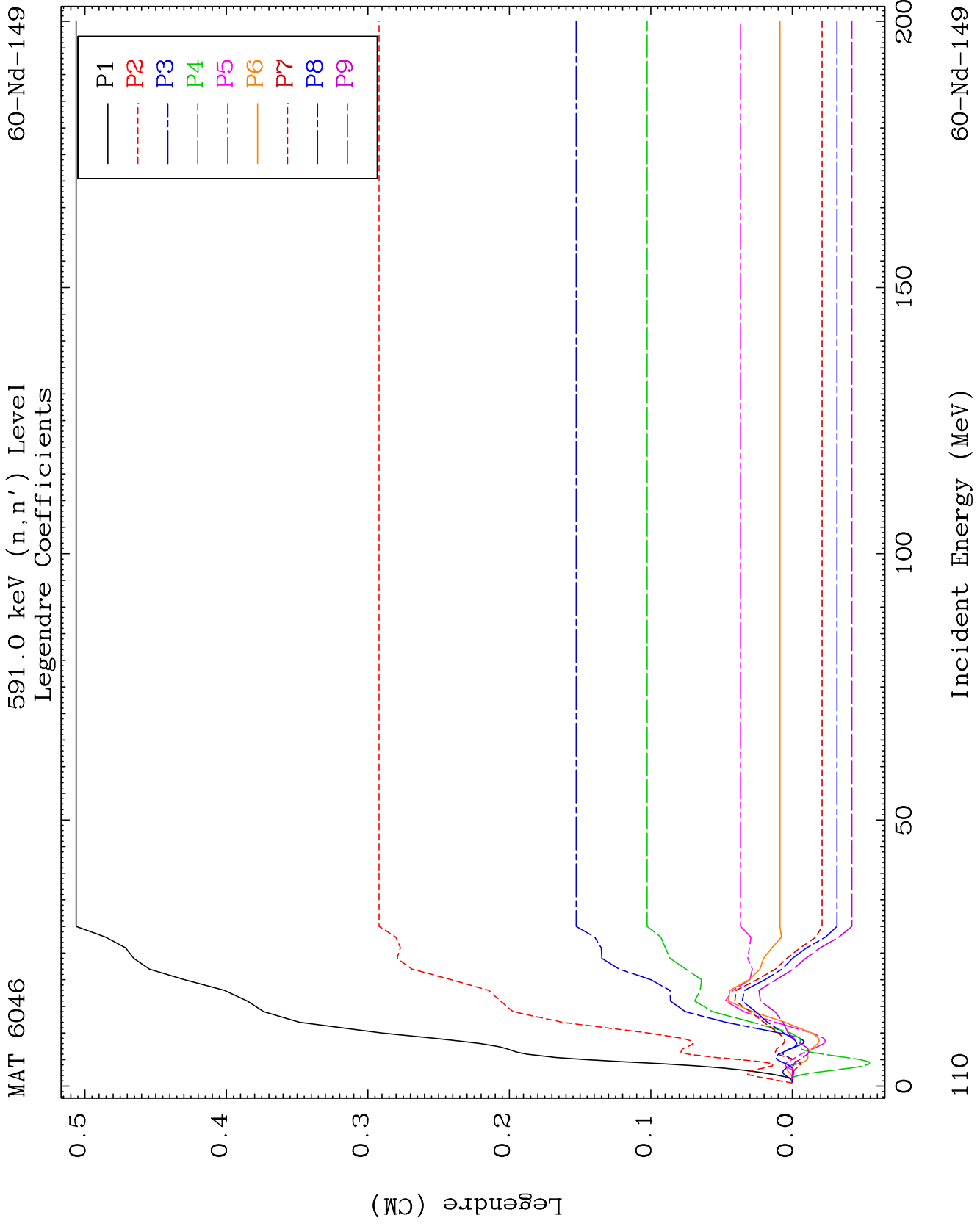


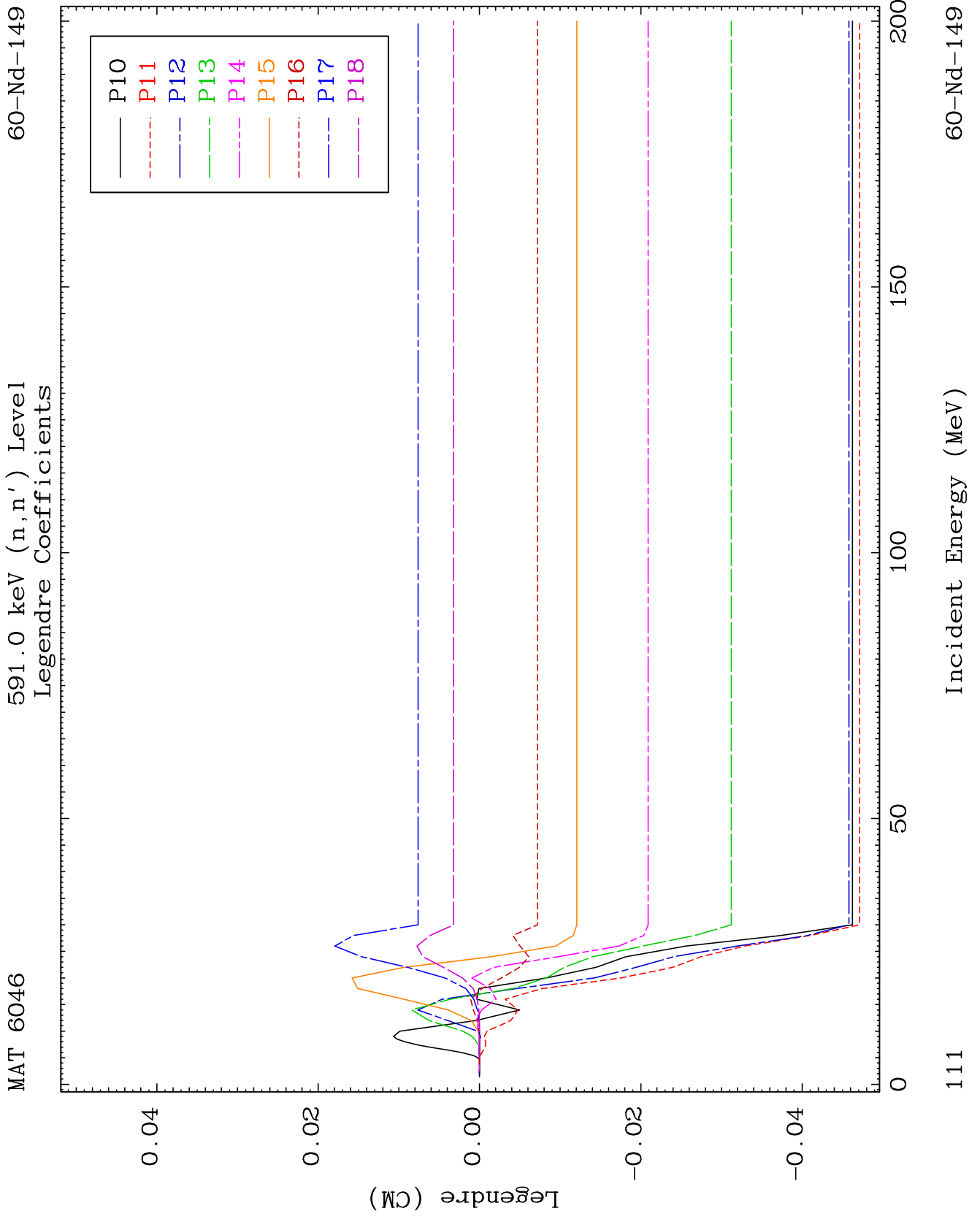
108

Incident Energy (MeV)

60-Nd-149



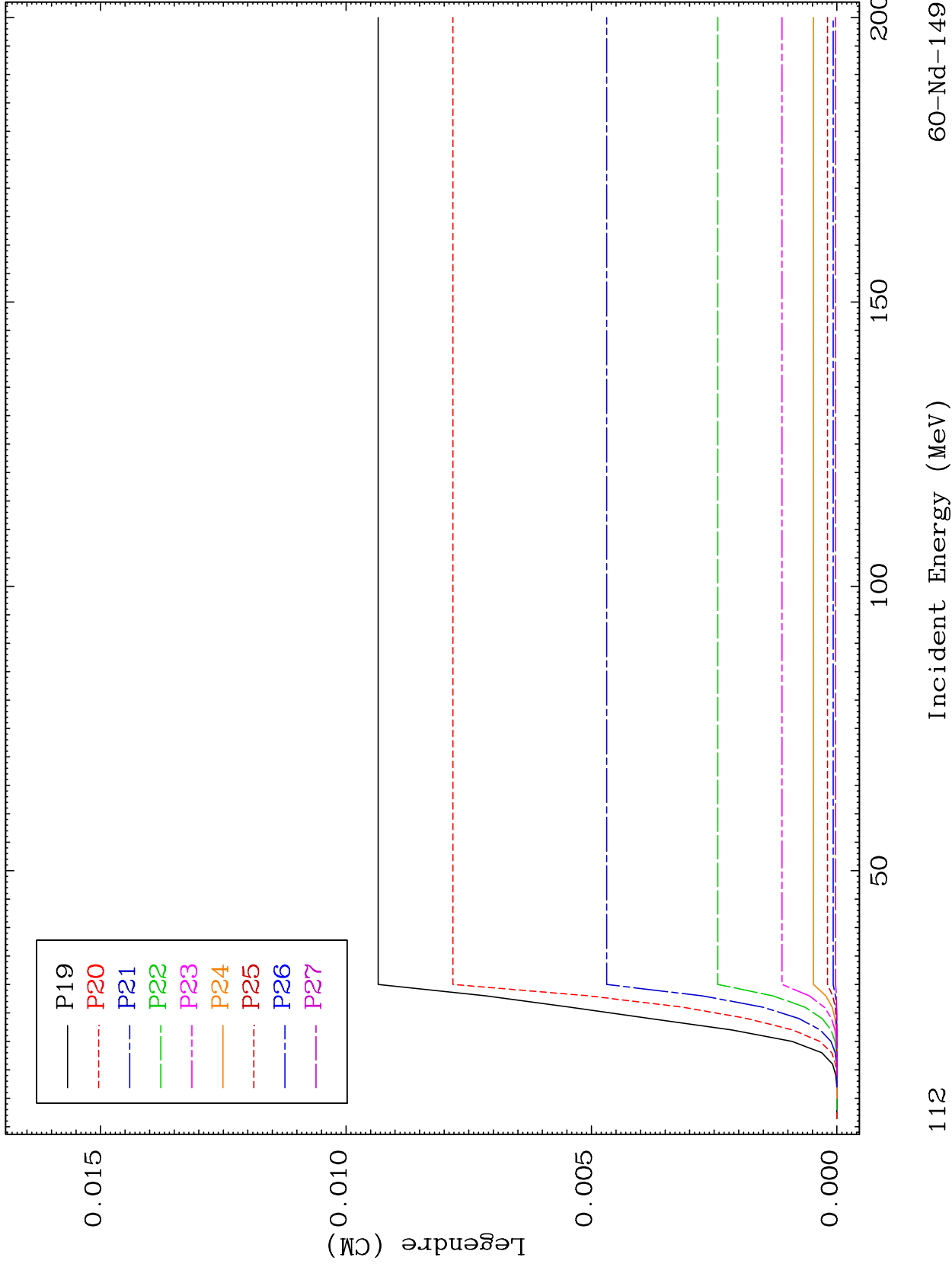




MAT 6046

591.0 keV (n,n') Level
Legendre Coefficients

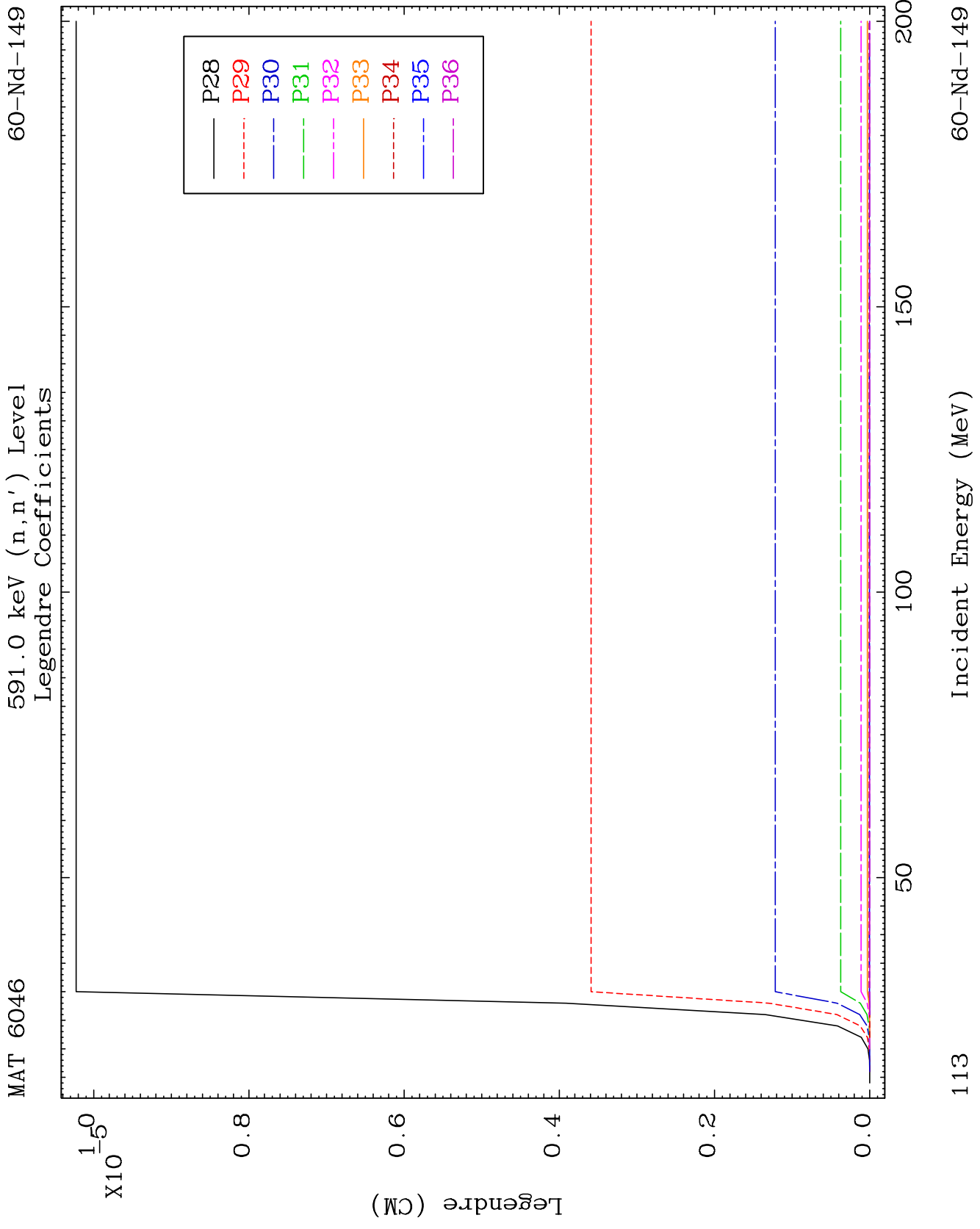
60-Nd-149

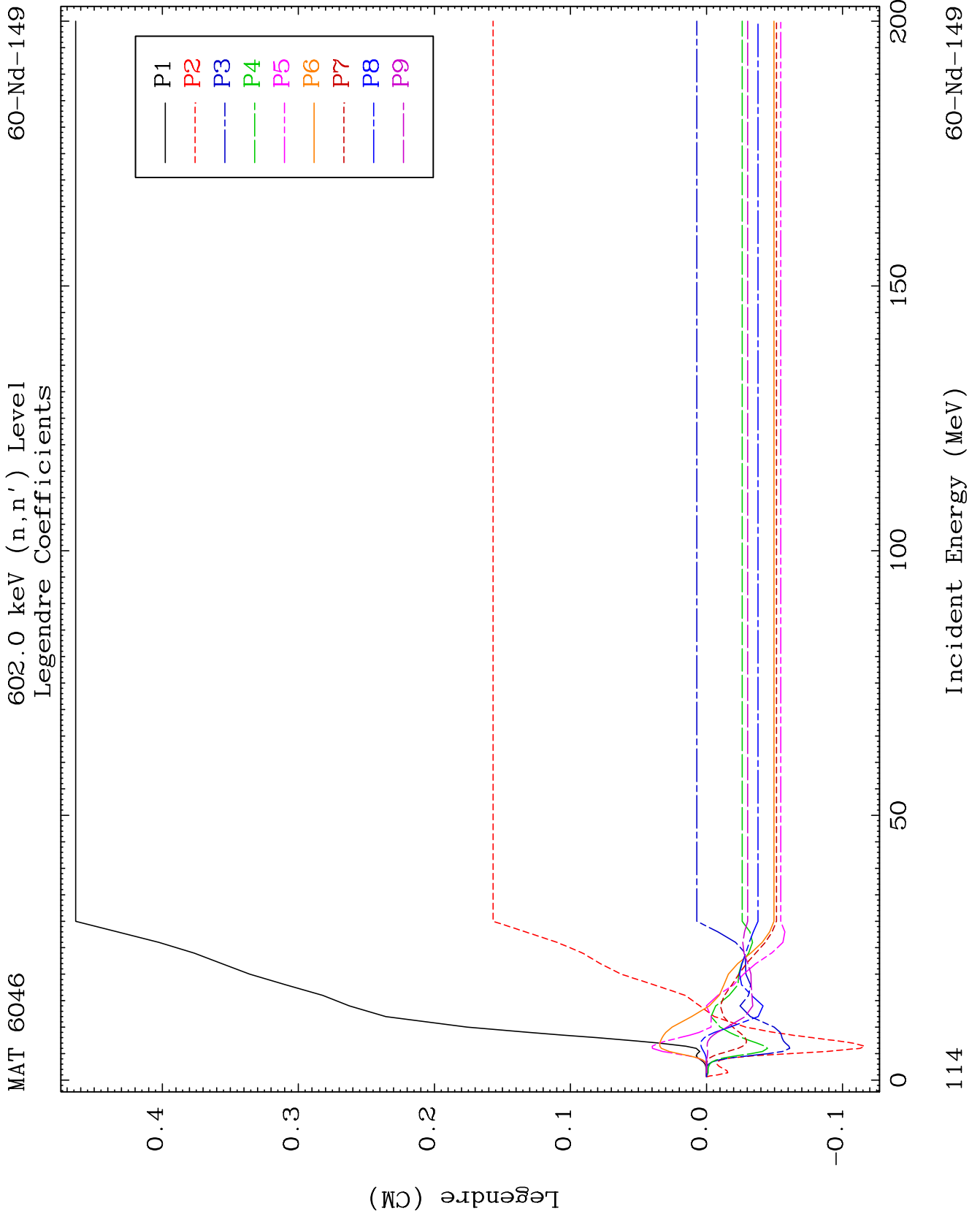


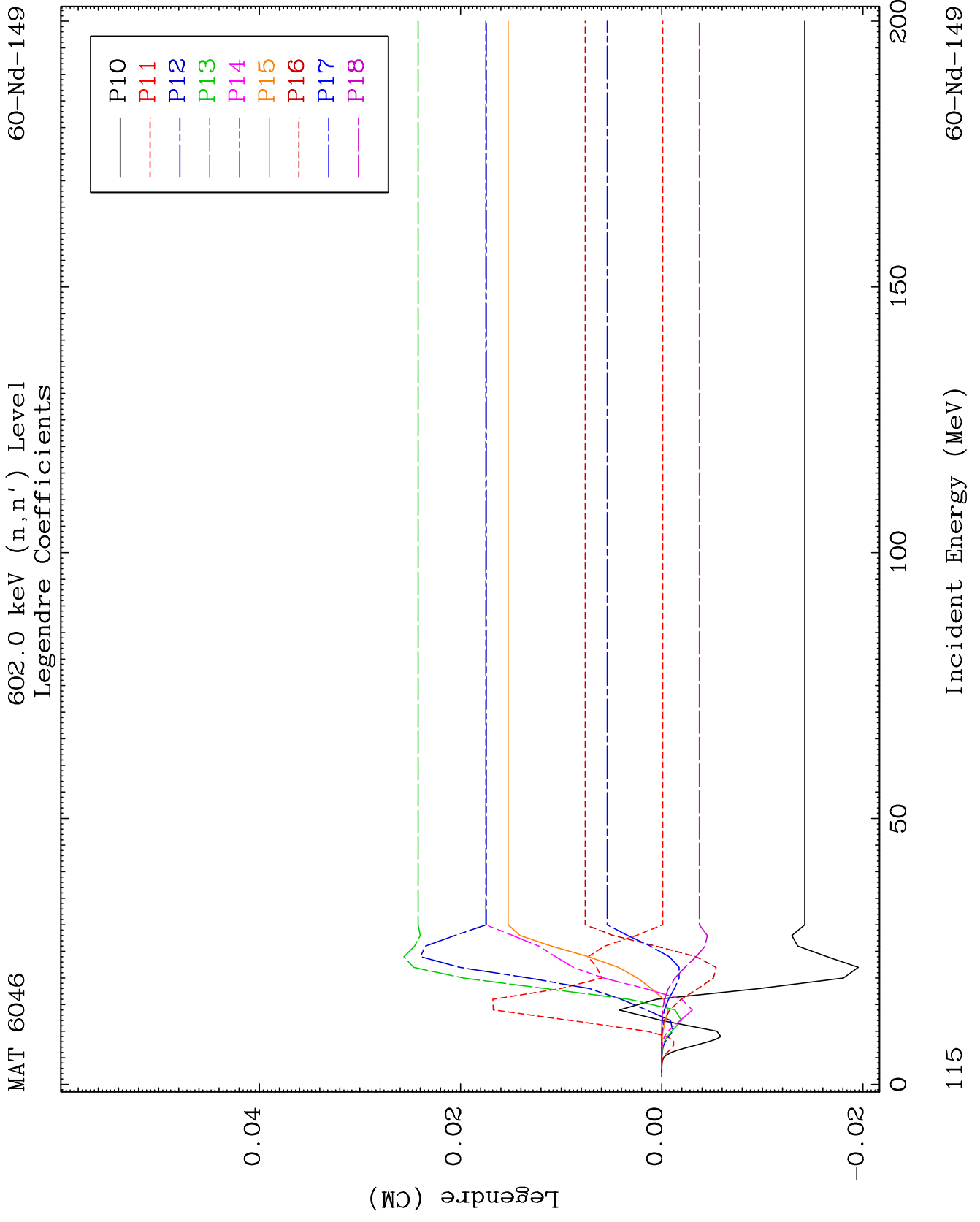
112

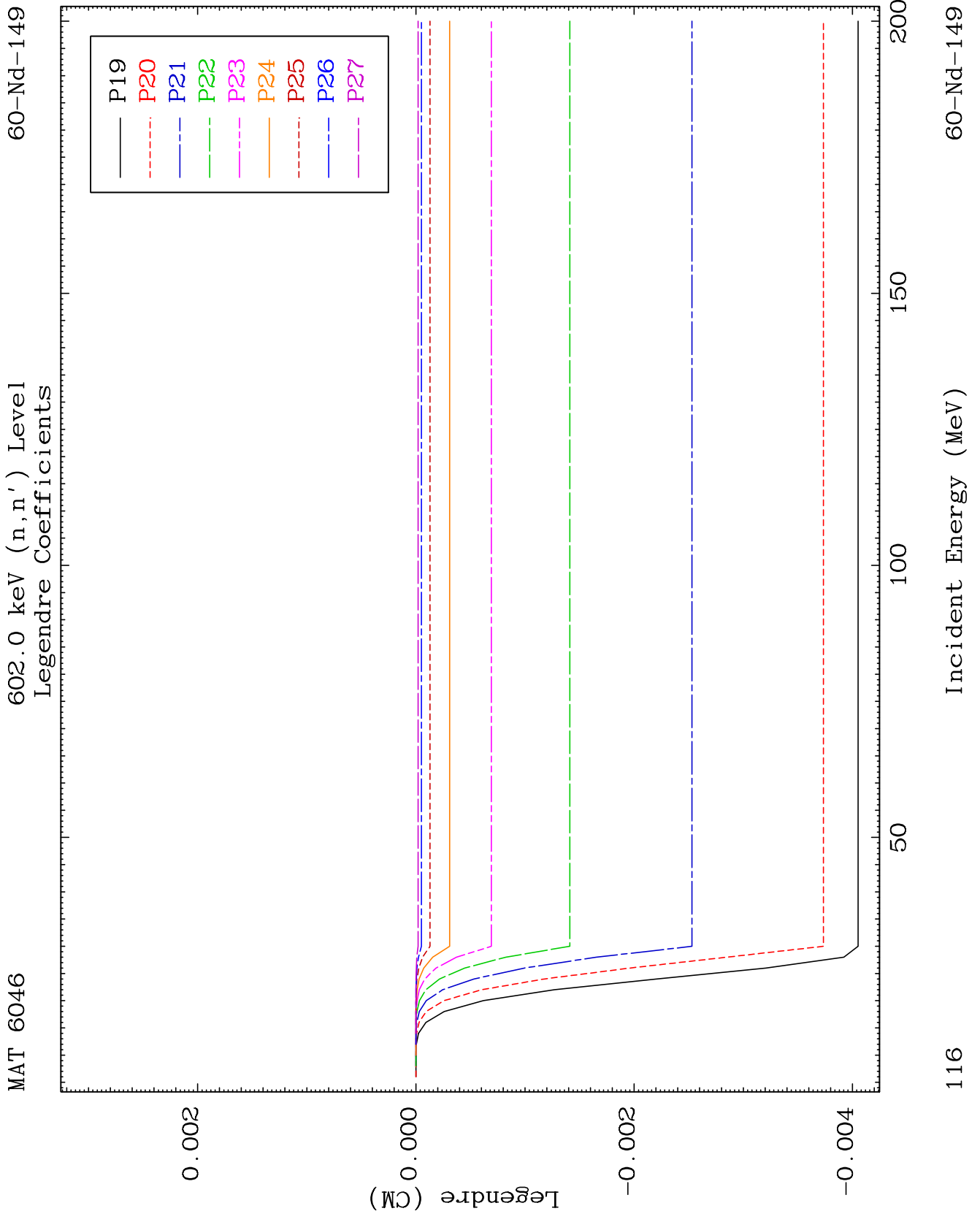
Incident Energy (MeV)

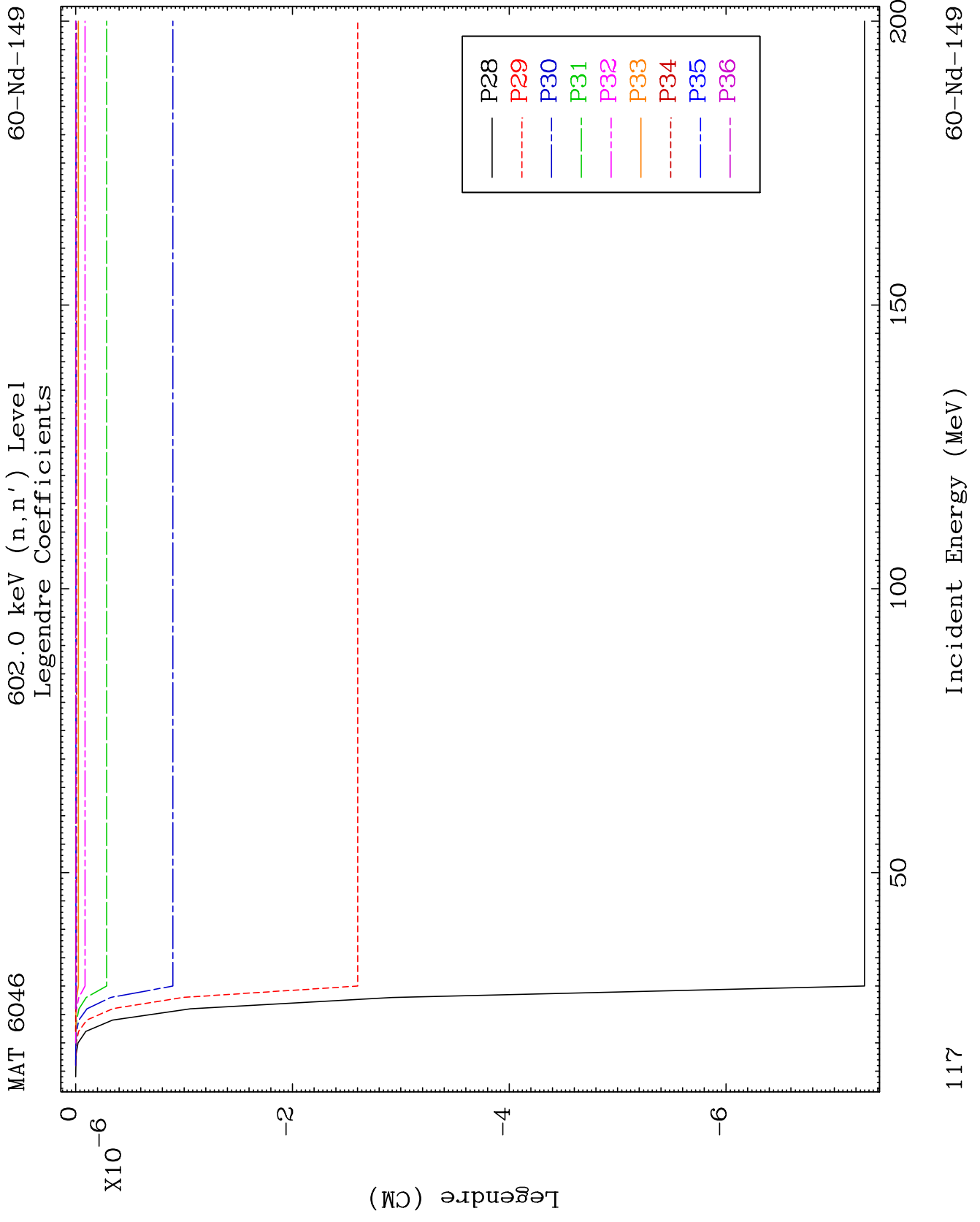
60-Nd-149







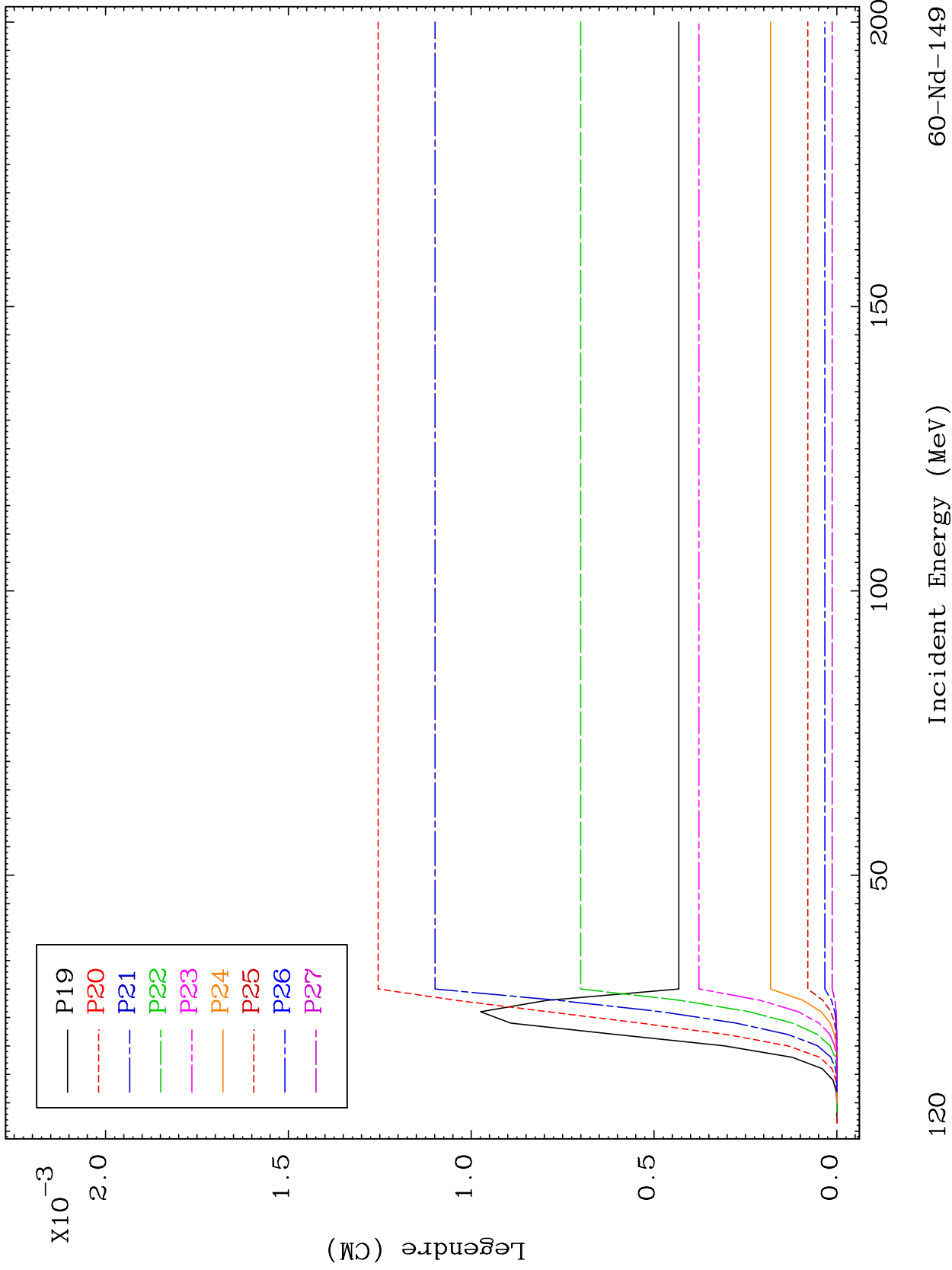


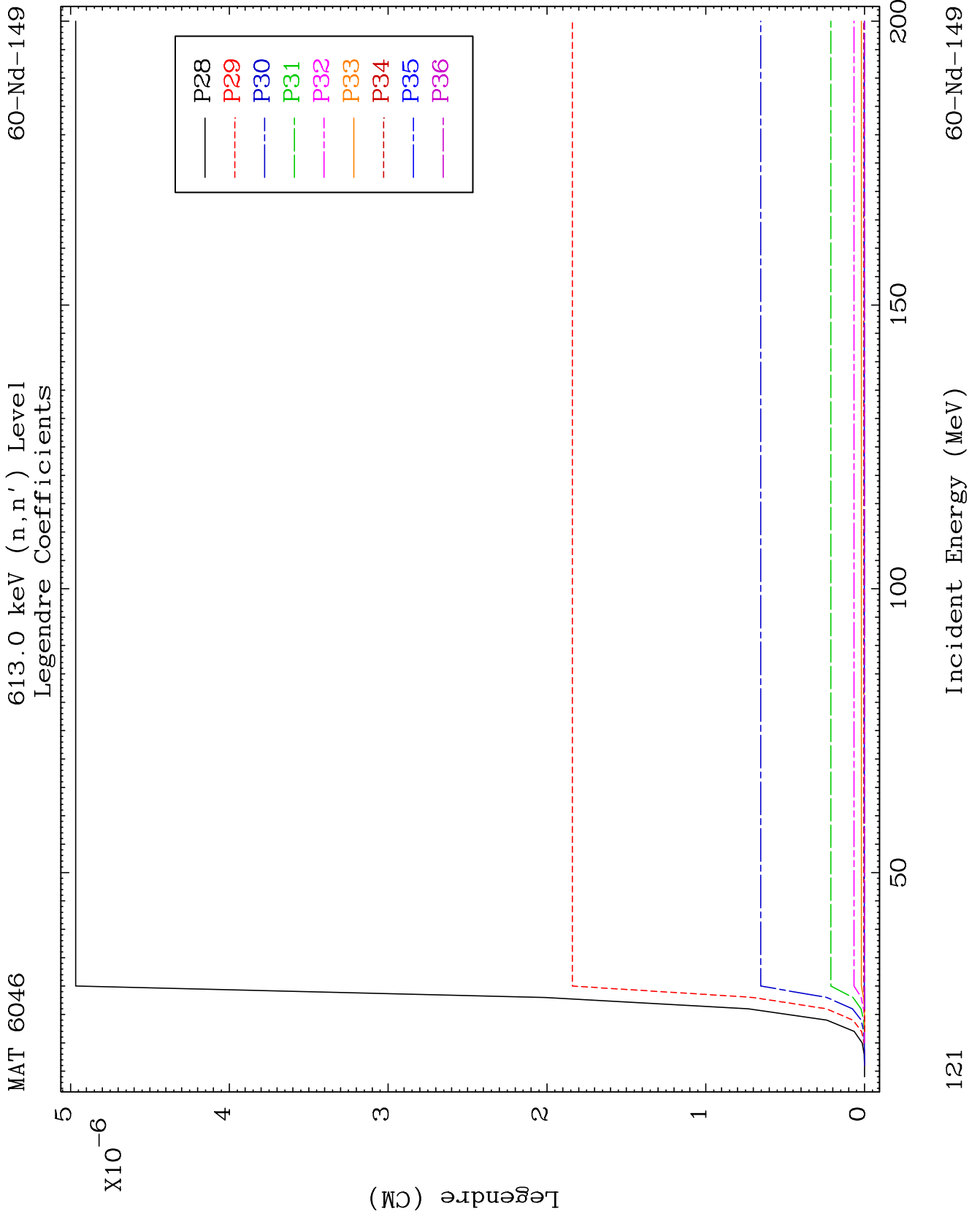


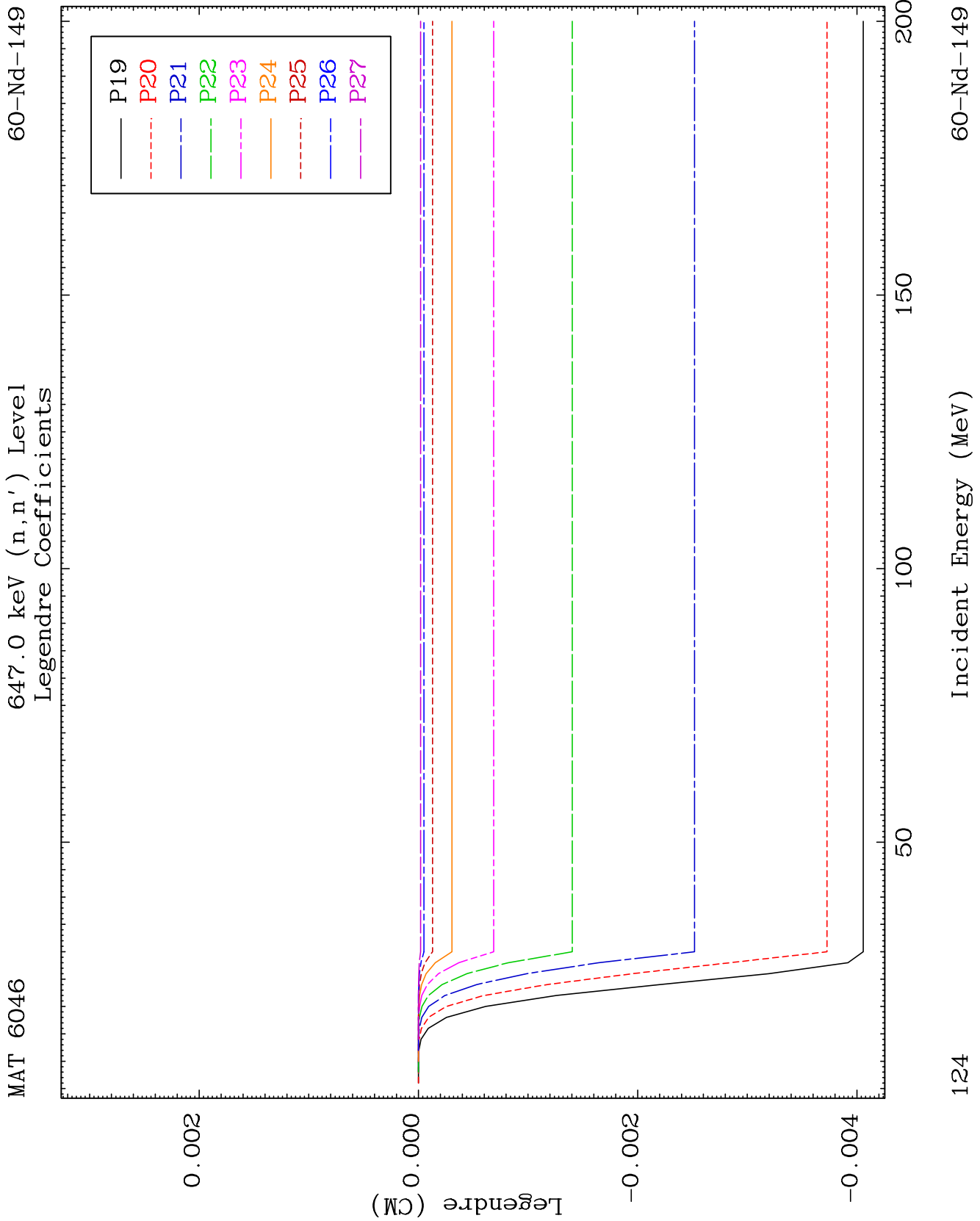
MAT 6046

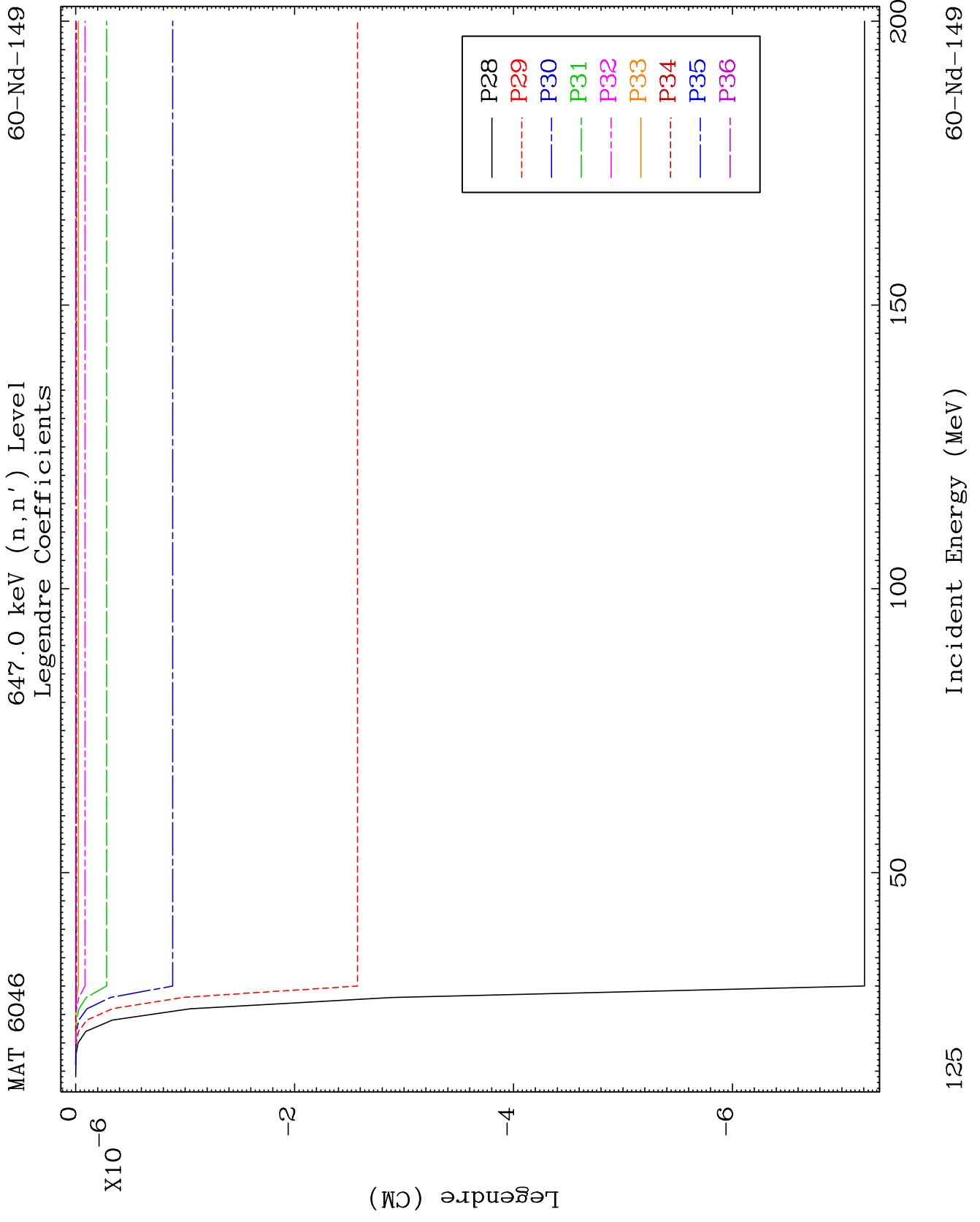
613.0 keV (n,n') Level
Legendre Coefficients

60-Nd-149





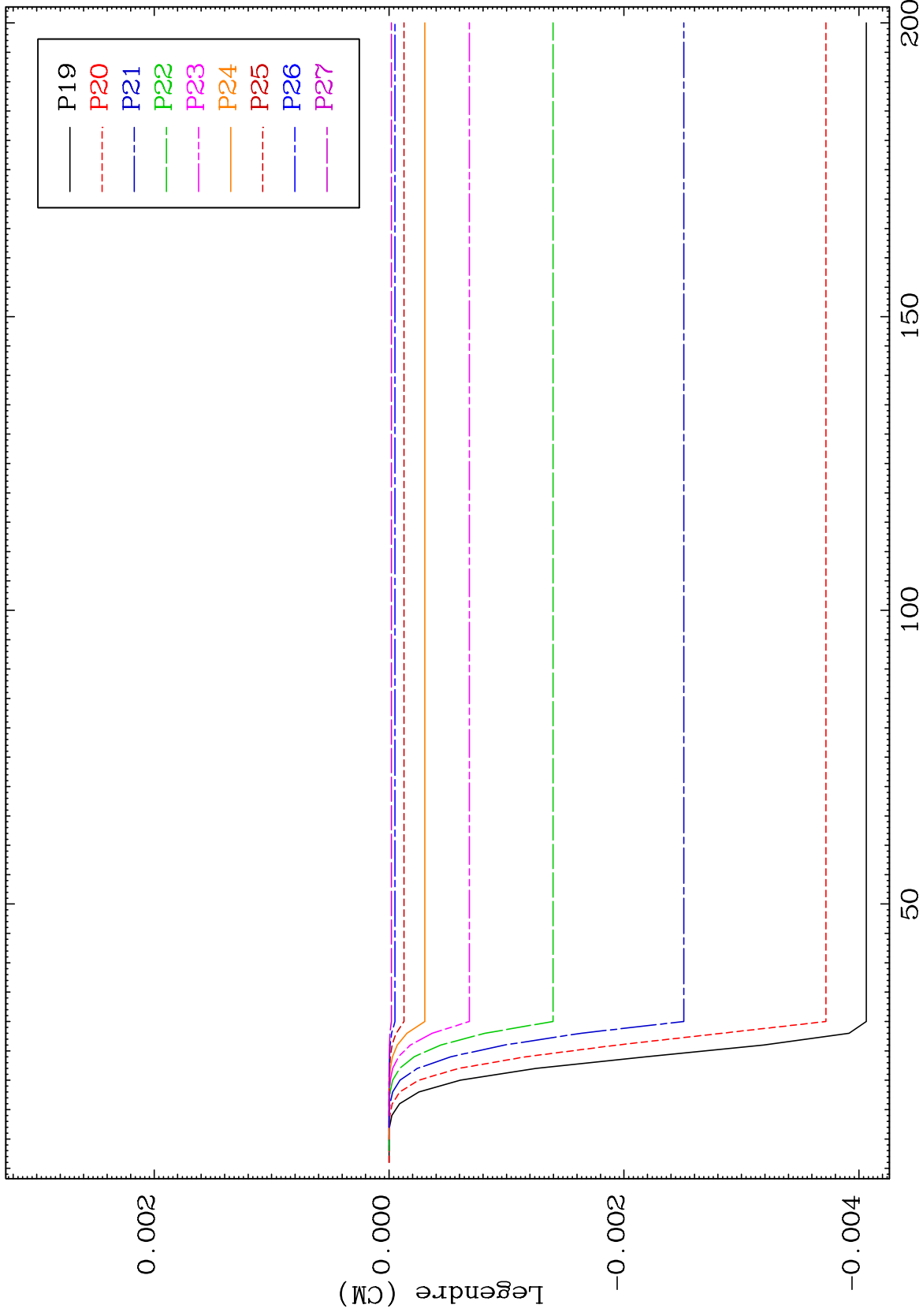




MAT 6046

689.0 keV (n,n') Level
Legendre Coefficients

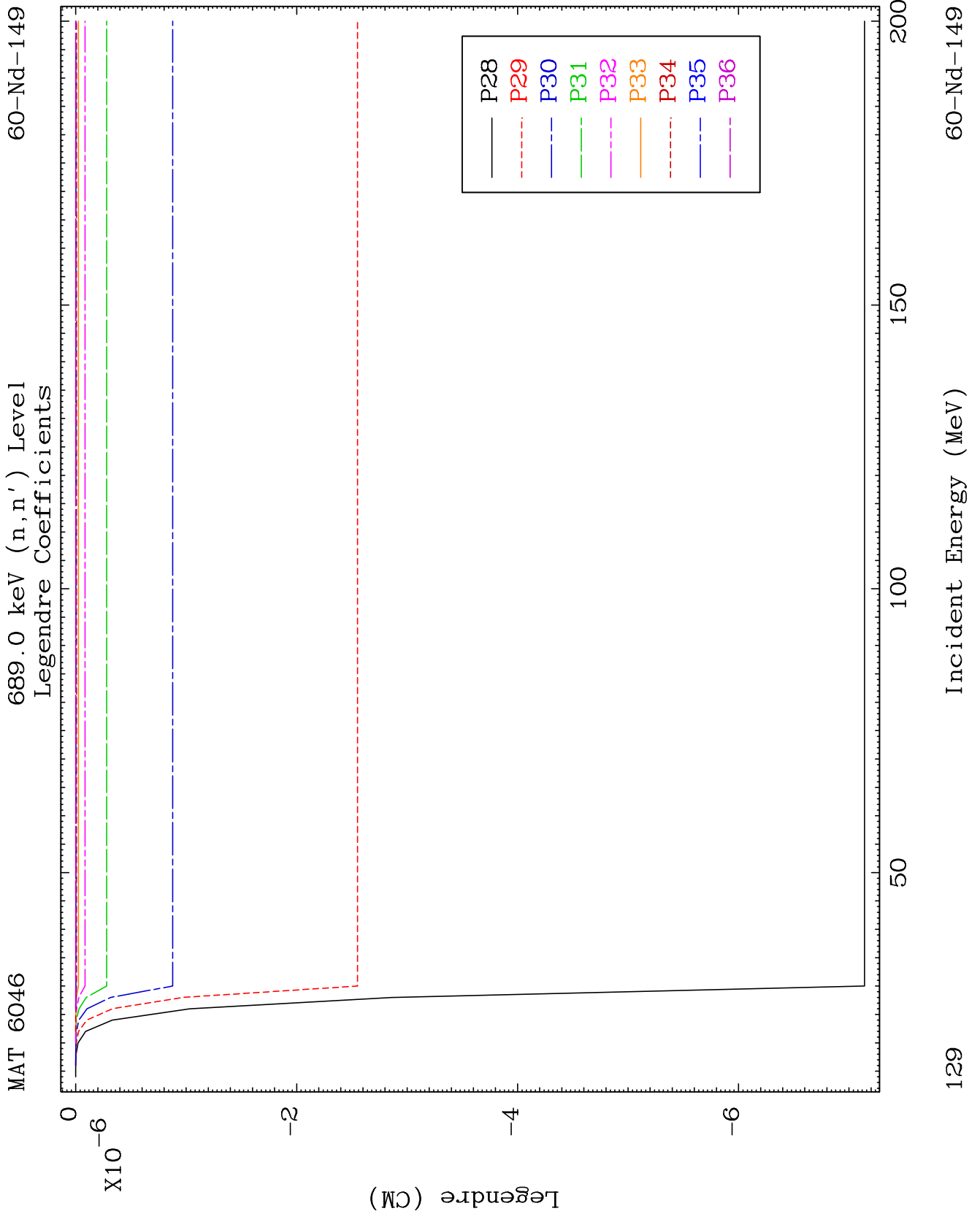
60-Nd-149

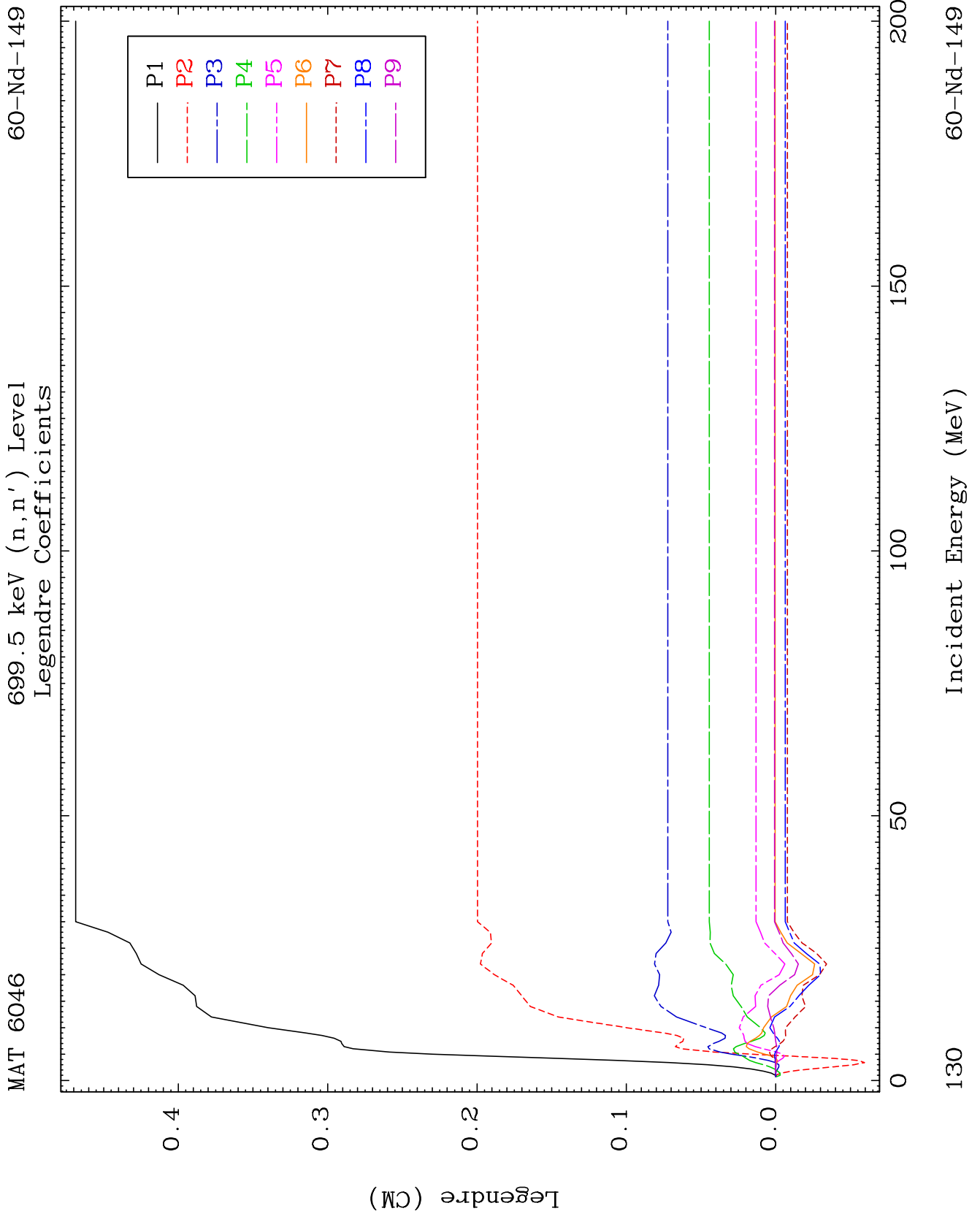


128

Incident Energy (MeV)

60-Nd-149

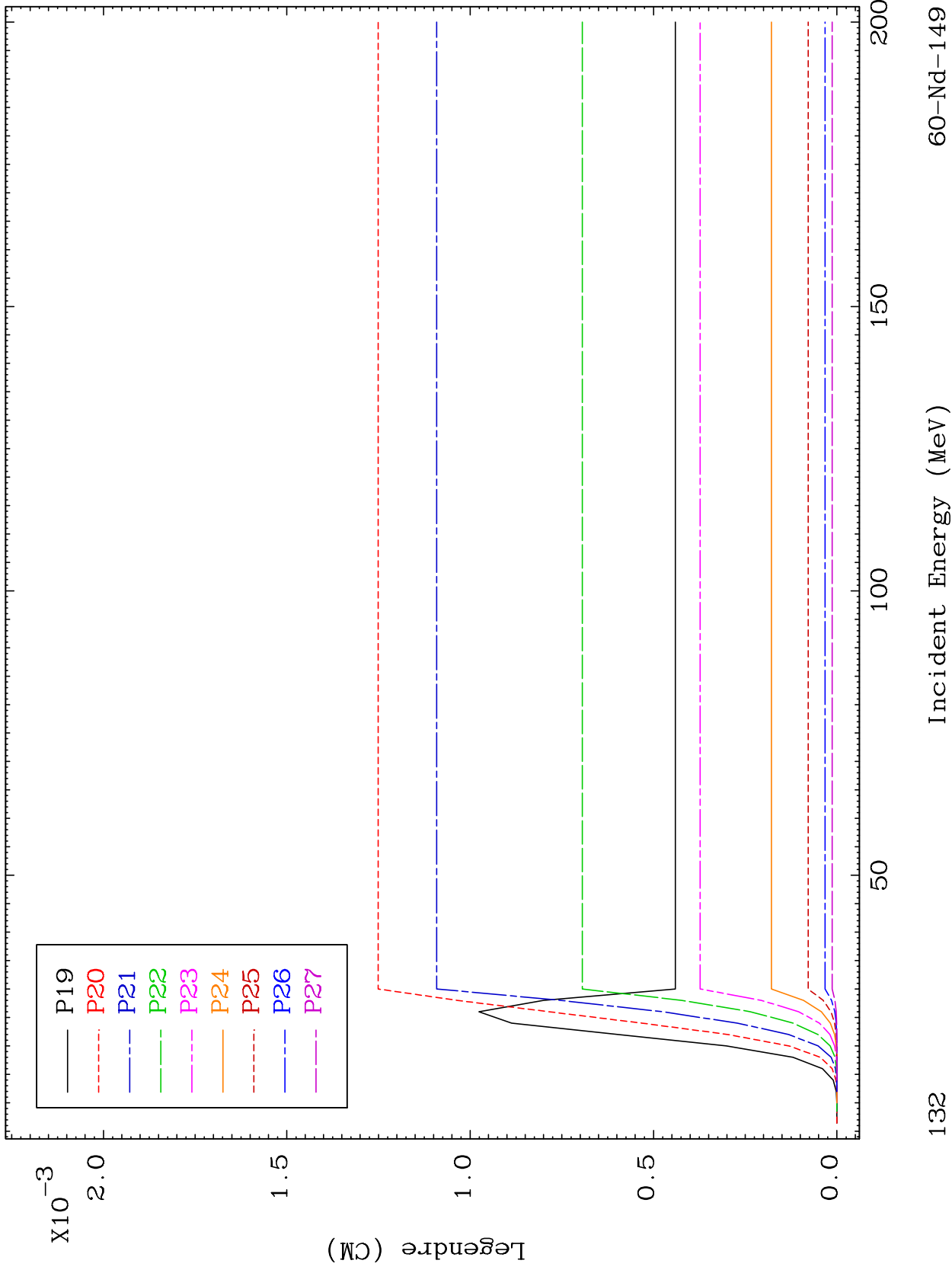




MAT 6046

699.5 keV (n,n') Level
Legendre Coefficients

60-Nd-149



132

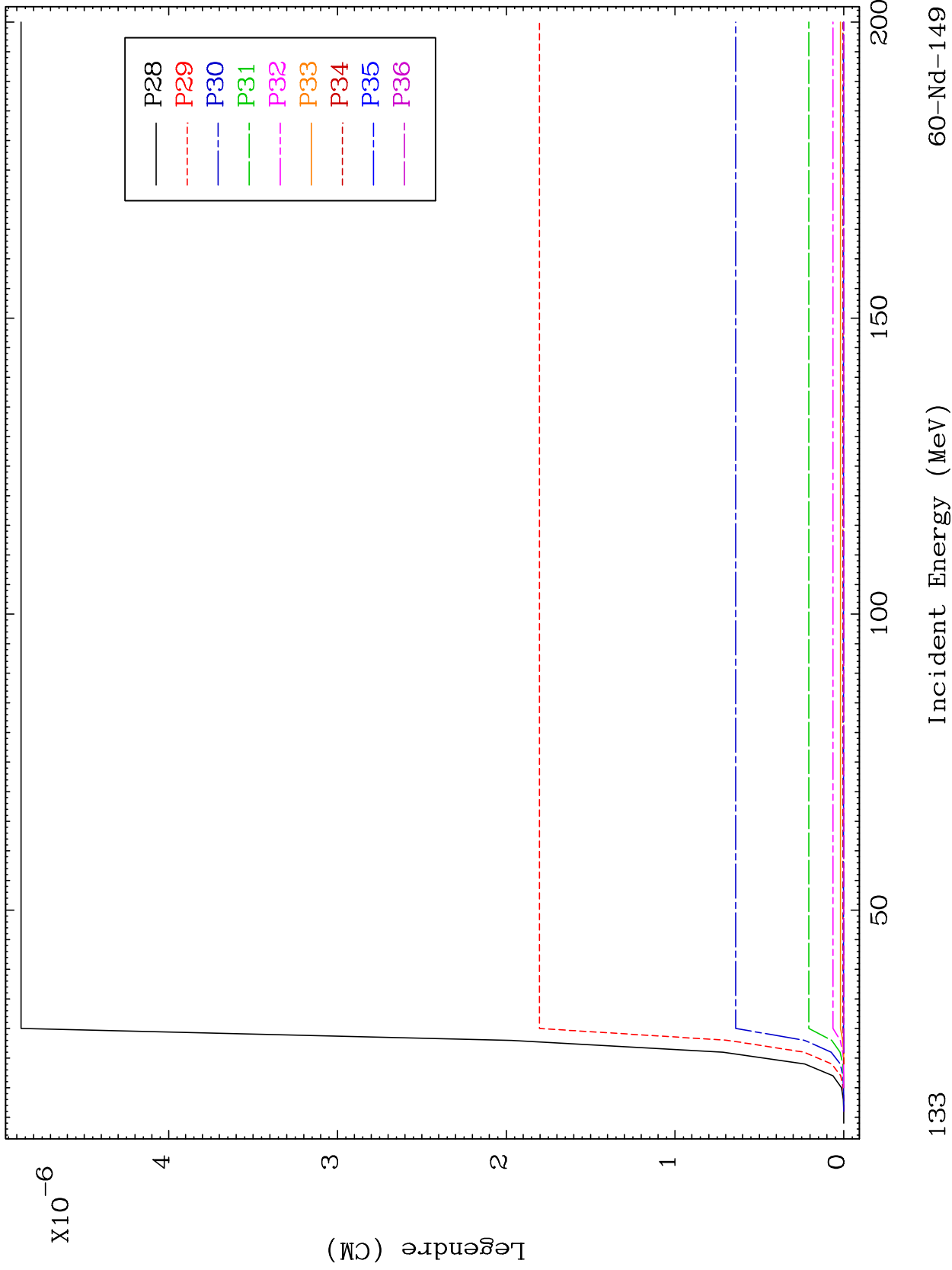
Incident Energy (MeV)

60-Nd-149

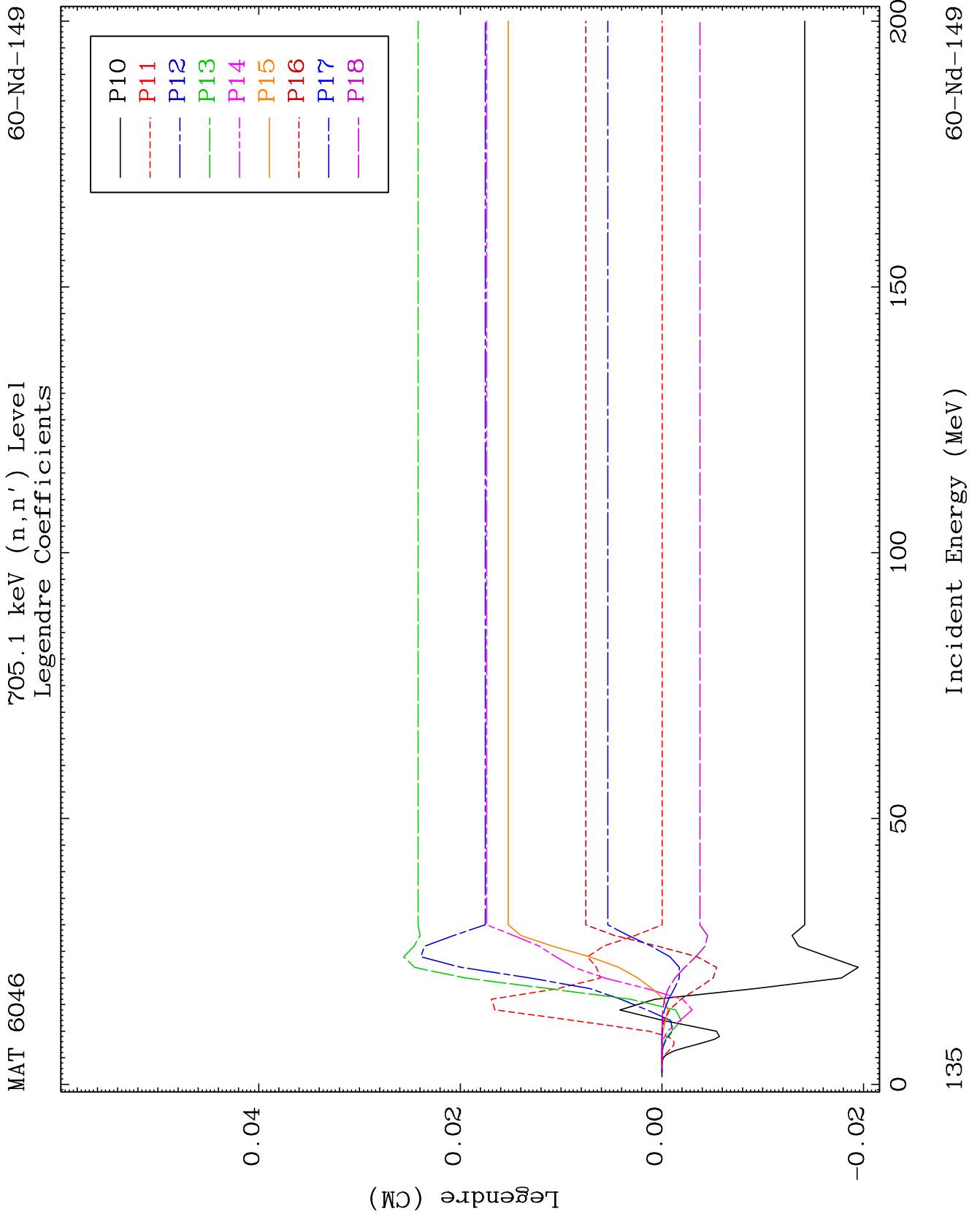
MAT 6046

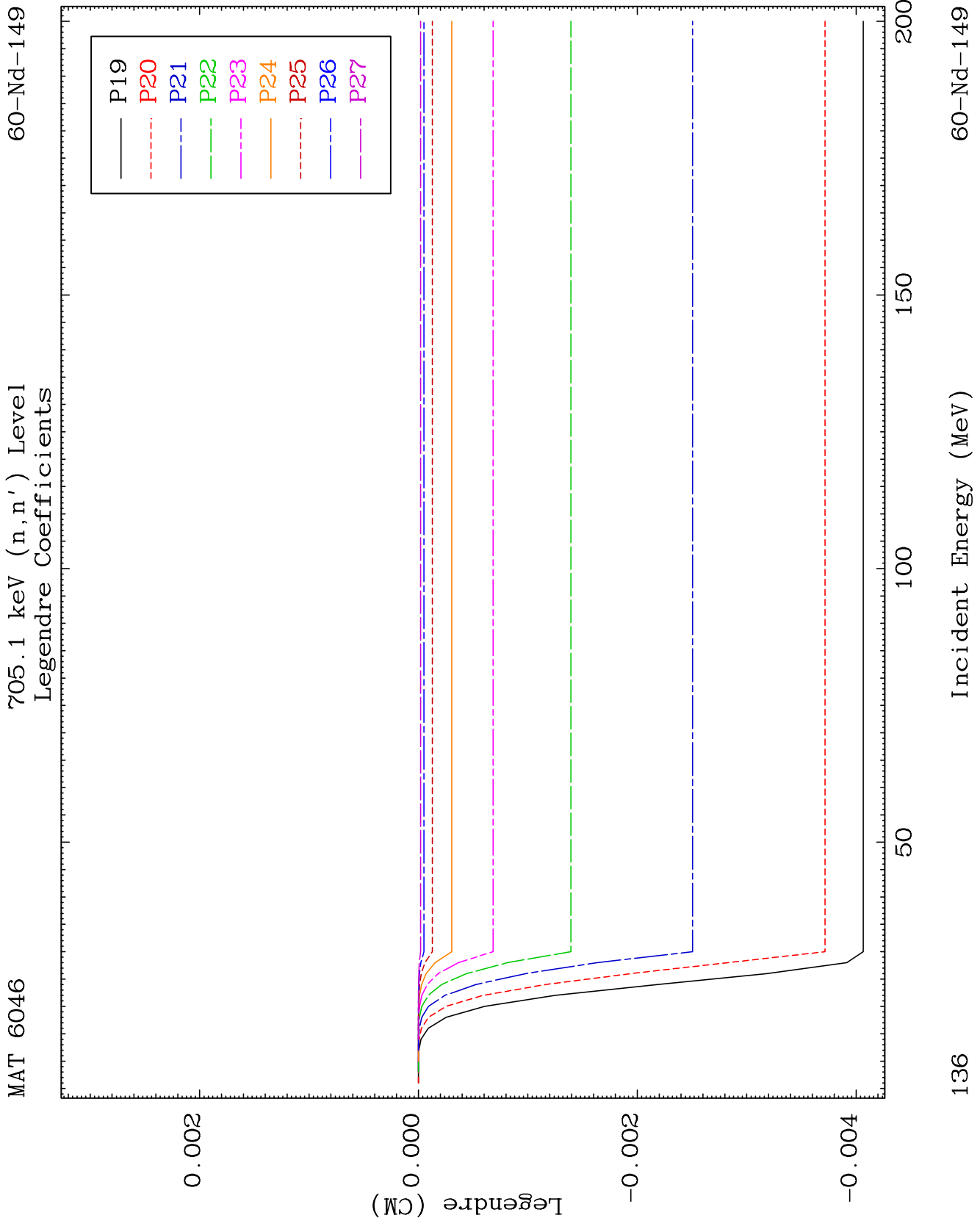
699.5 keV (n,n') Level
Legendre Coefficients

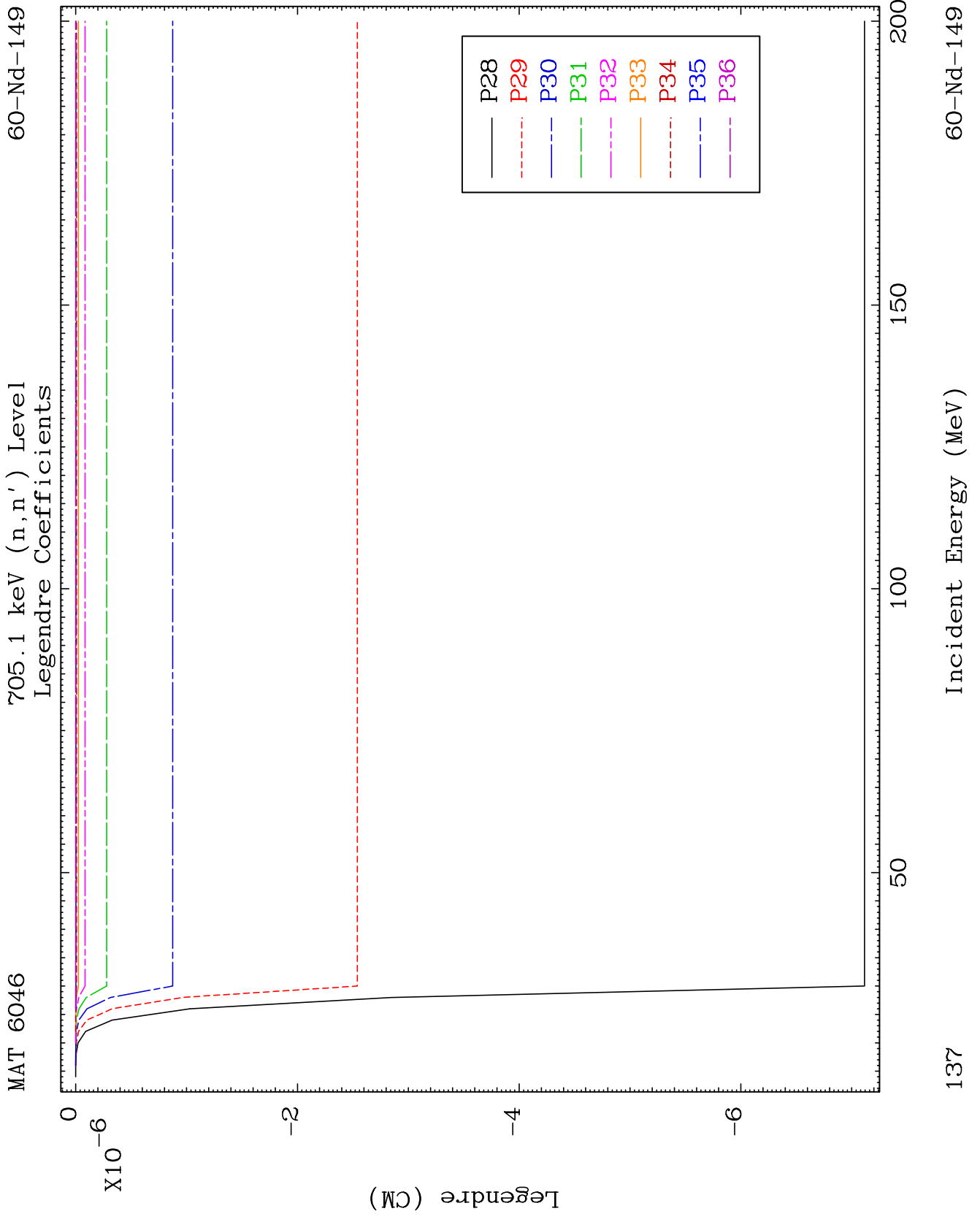
60-Nd-149



133





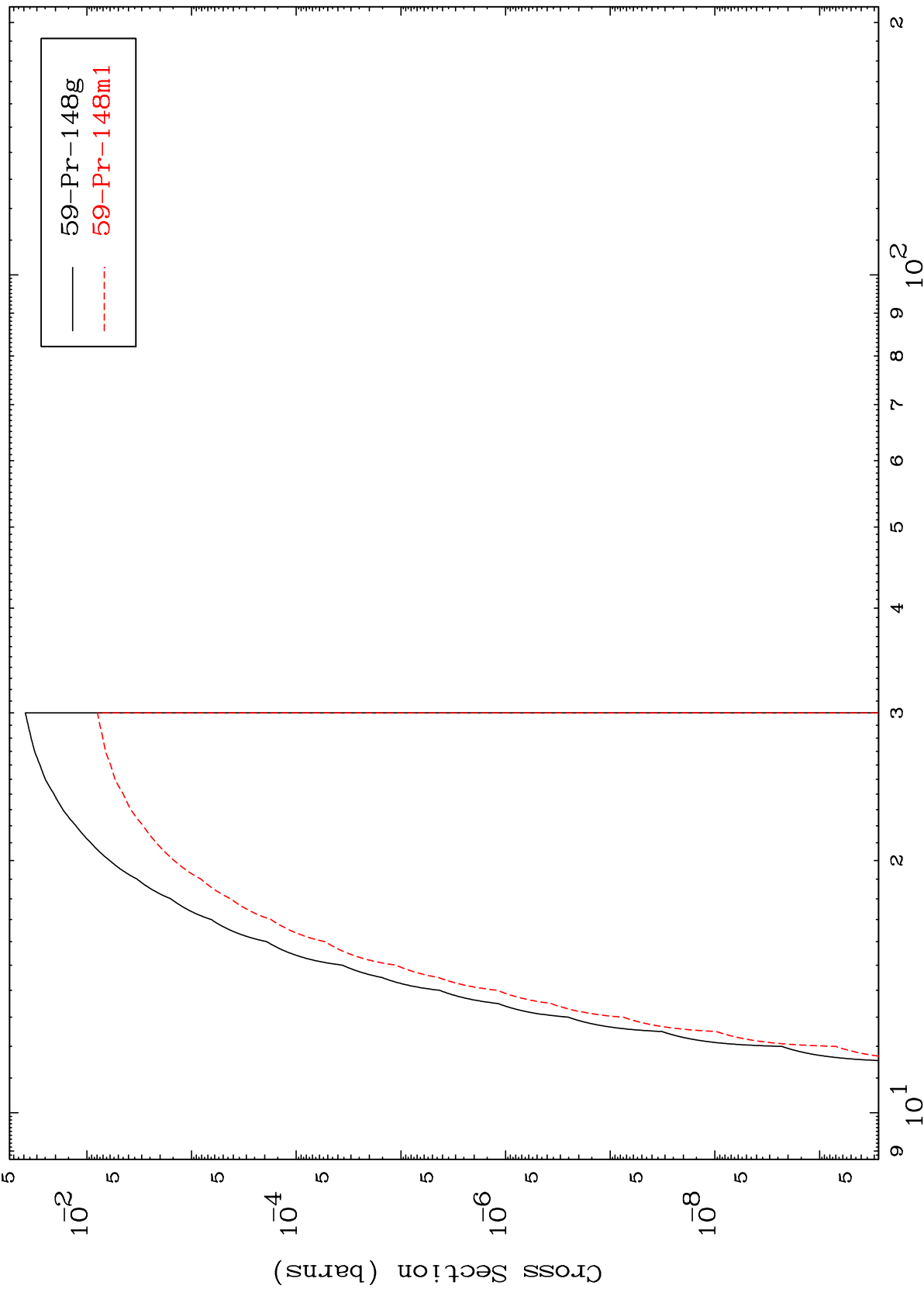


MAT 6046

(n,n') p

60-Nd-149

Radionuclide Production Cross Section



138

Incident Energy (MeV)

60-Nd-149

