

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

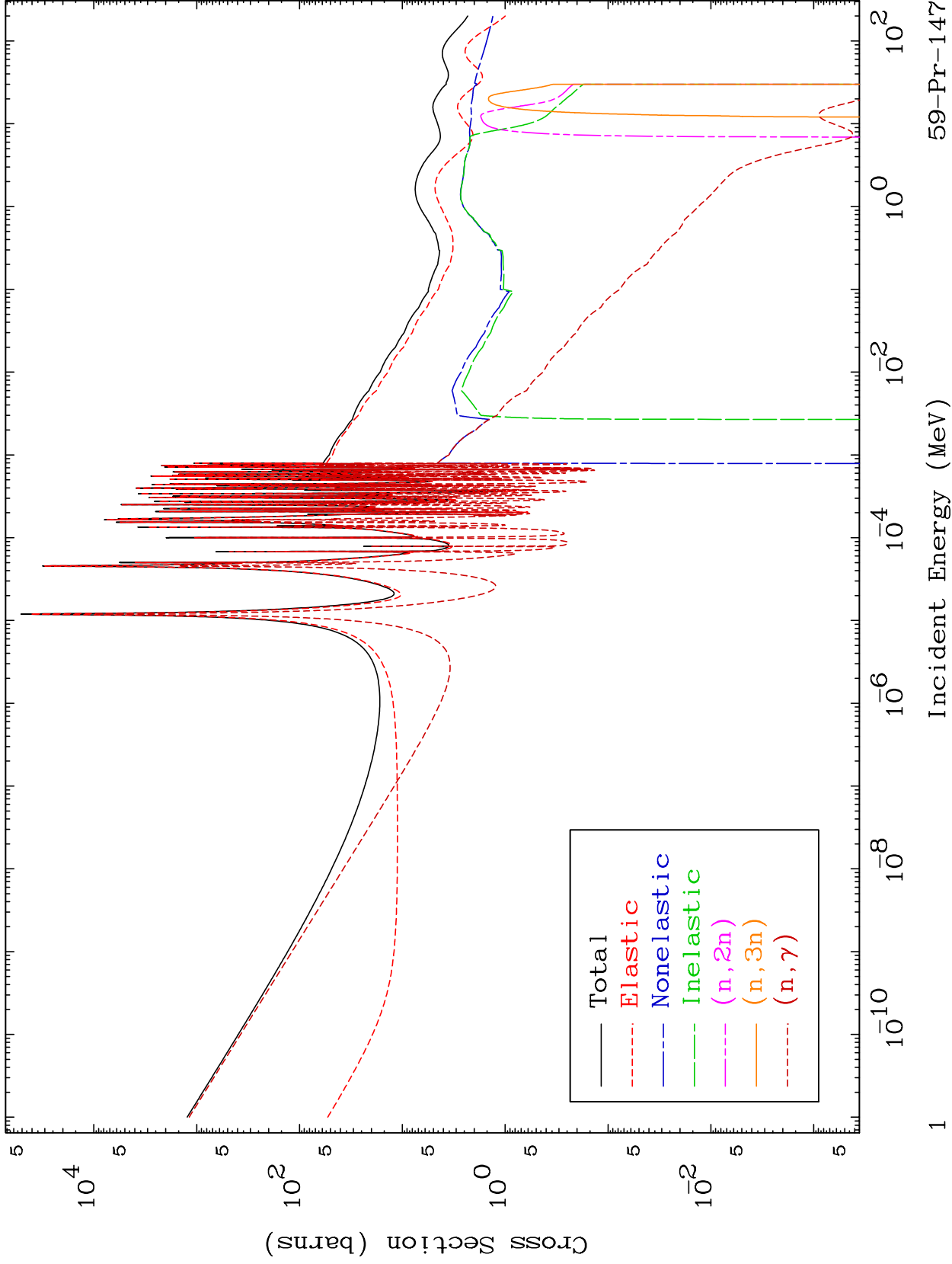
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5943

Neutron Major
293 Kelvin Cross Sections

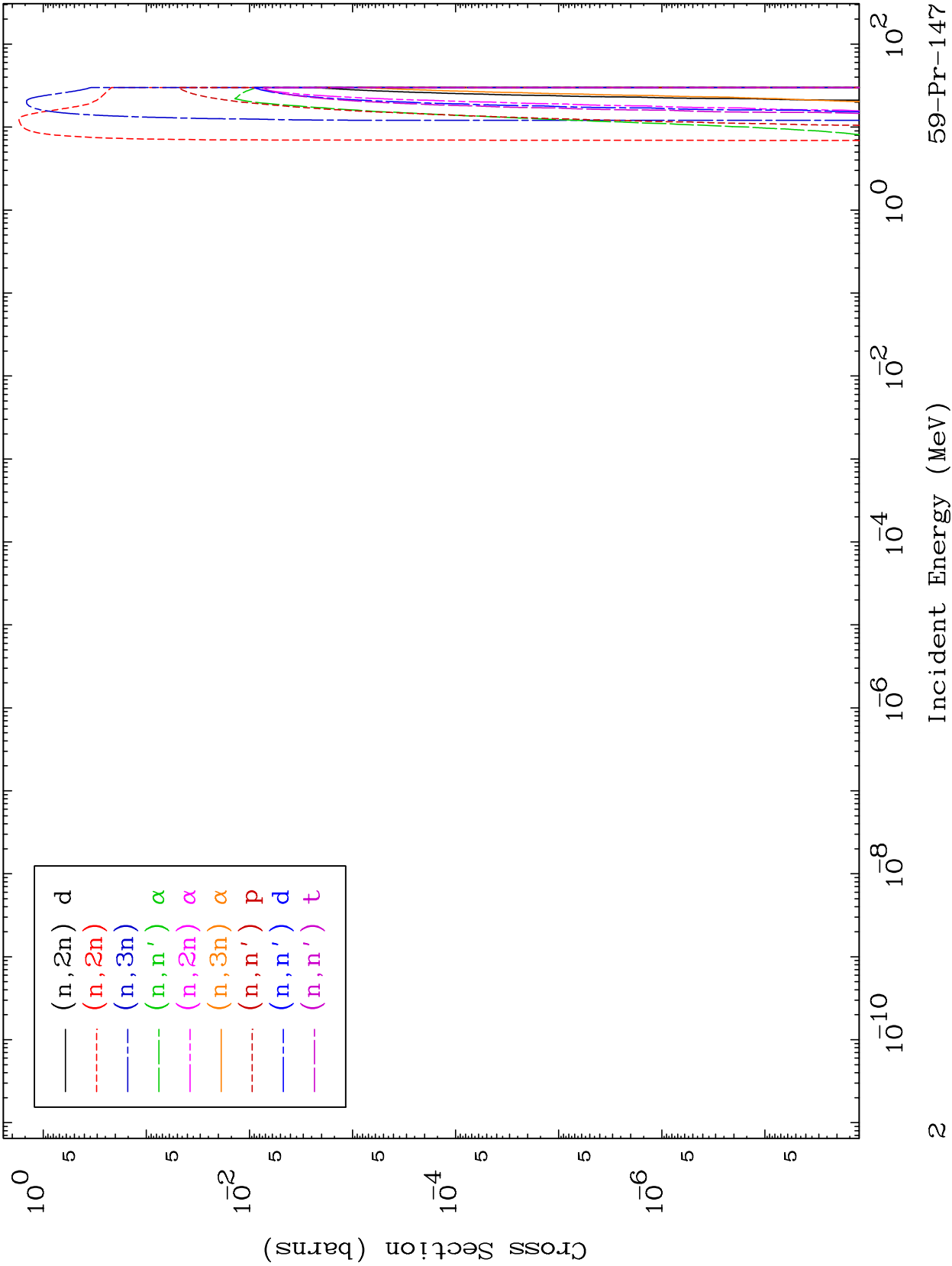
59-Pr-147



MAT 5943

Neutron Absorption
293 Kelvin Cross Sections

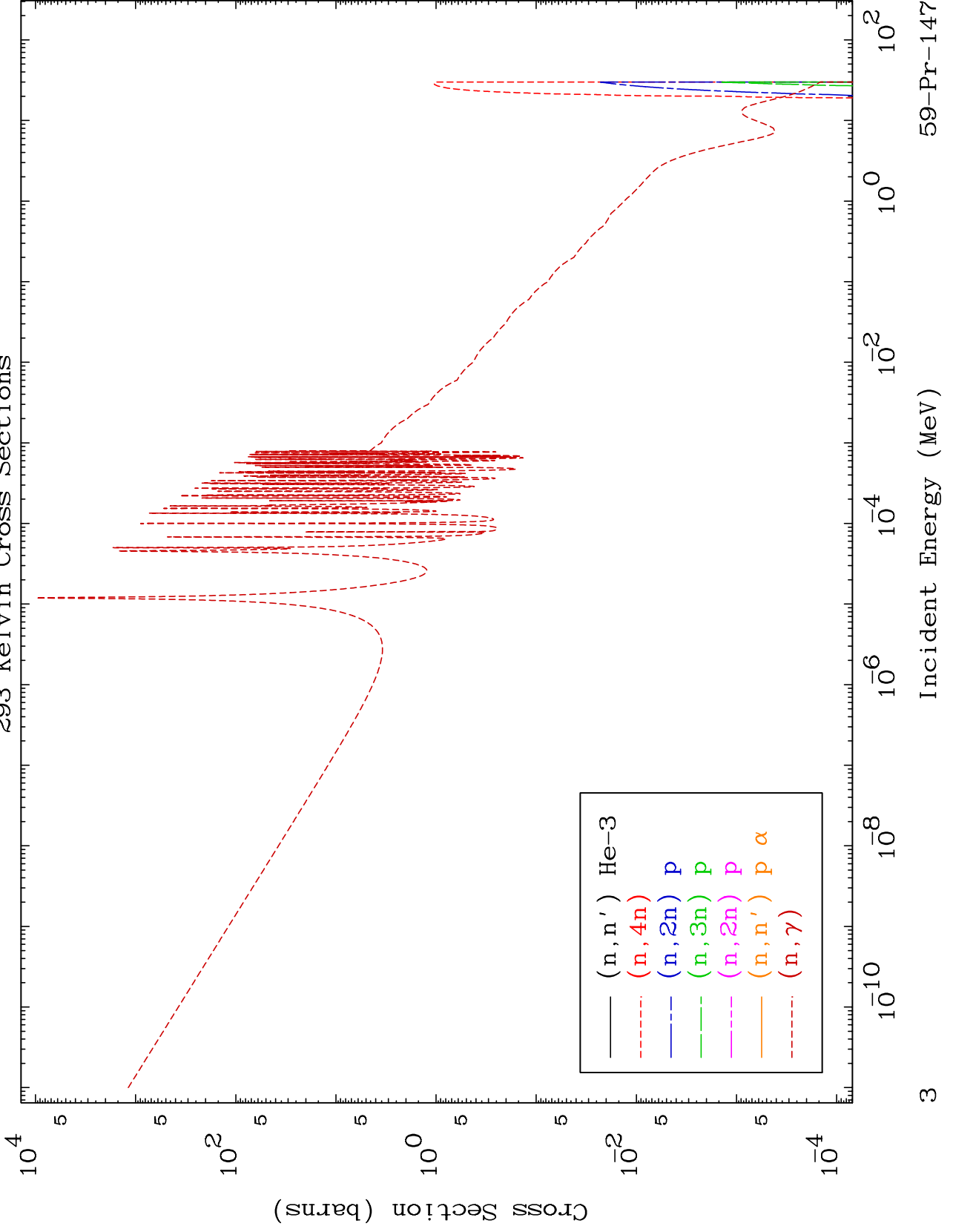
59-Pr-147

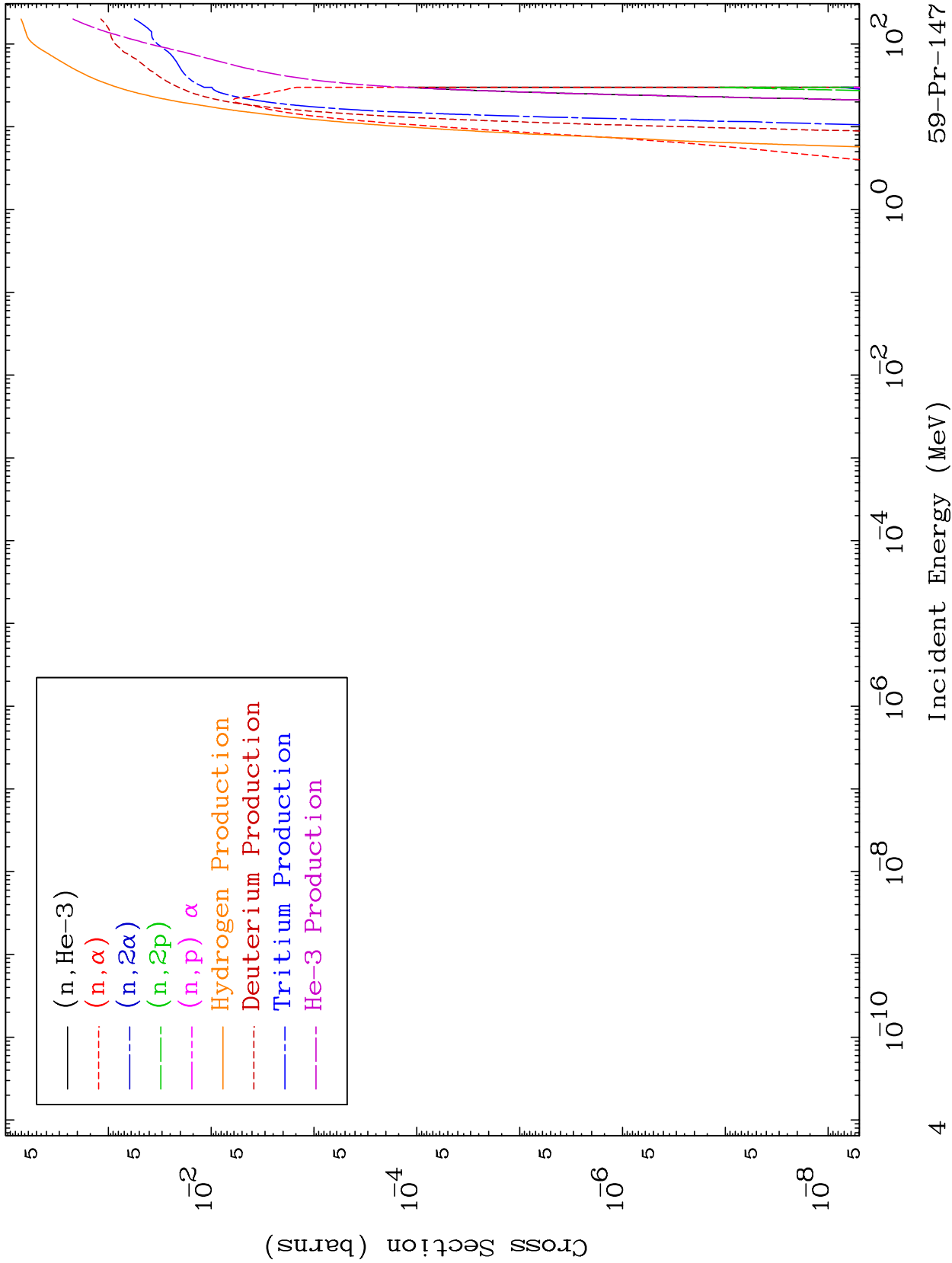


MAT 5943

Neutron Absorption
293 Kelvin Cross Sections

59-Pr-147

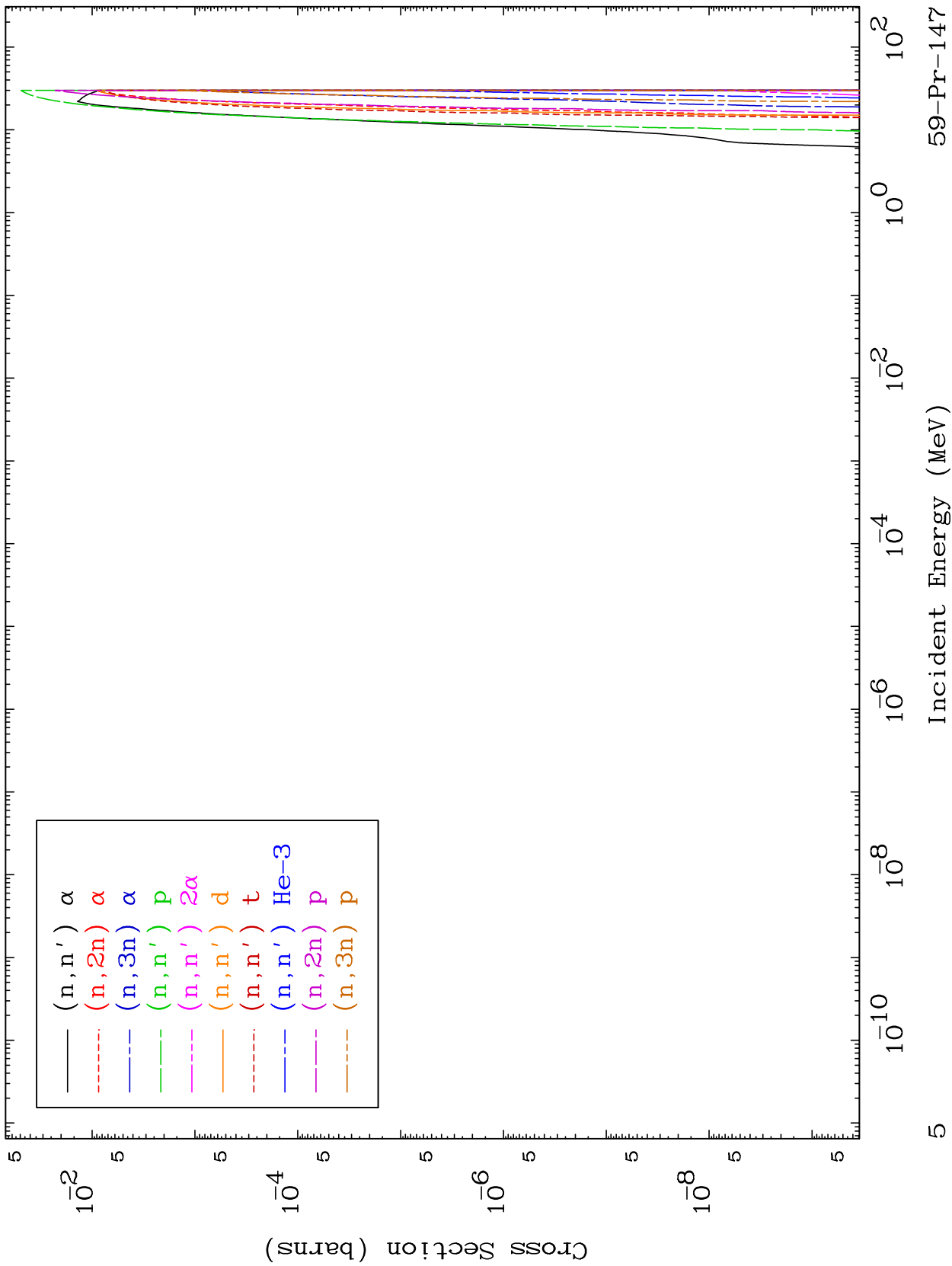




MAT 5943

Charged Particle
293 Kelvin Cross Sections

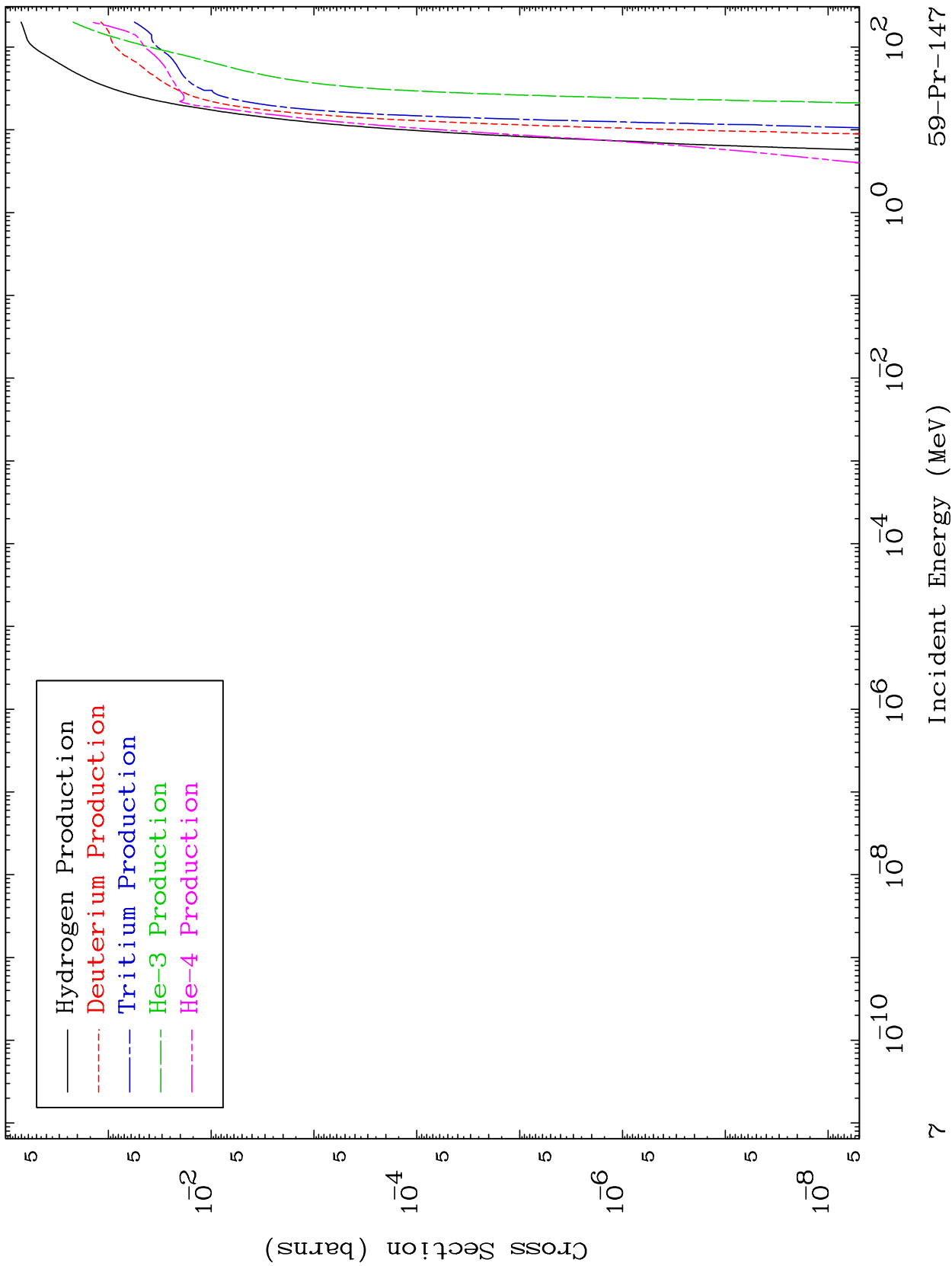
59-Pr-147



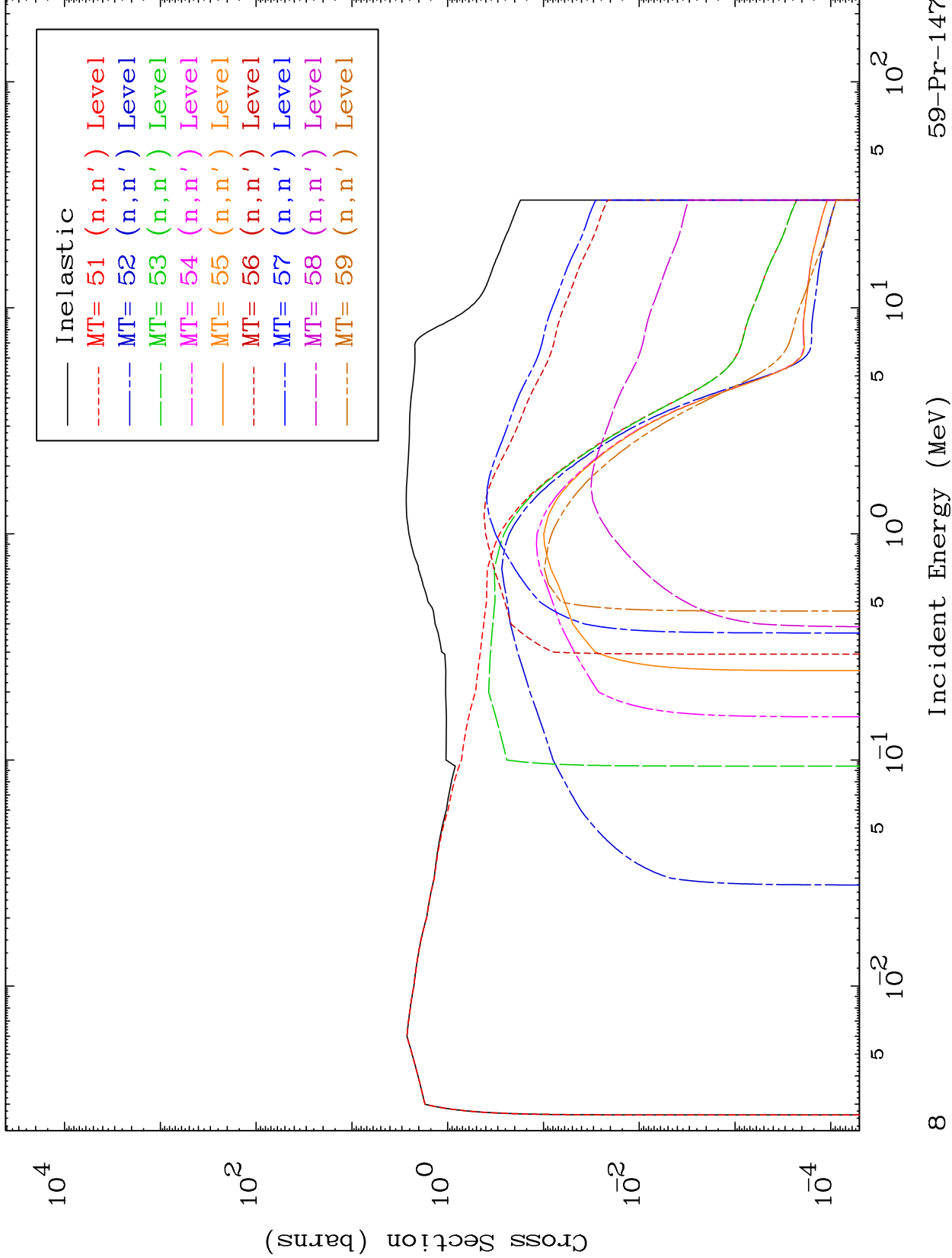
59-Pr-147

Incident Energy (MeV)

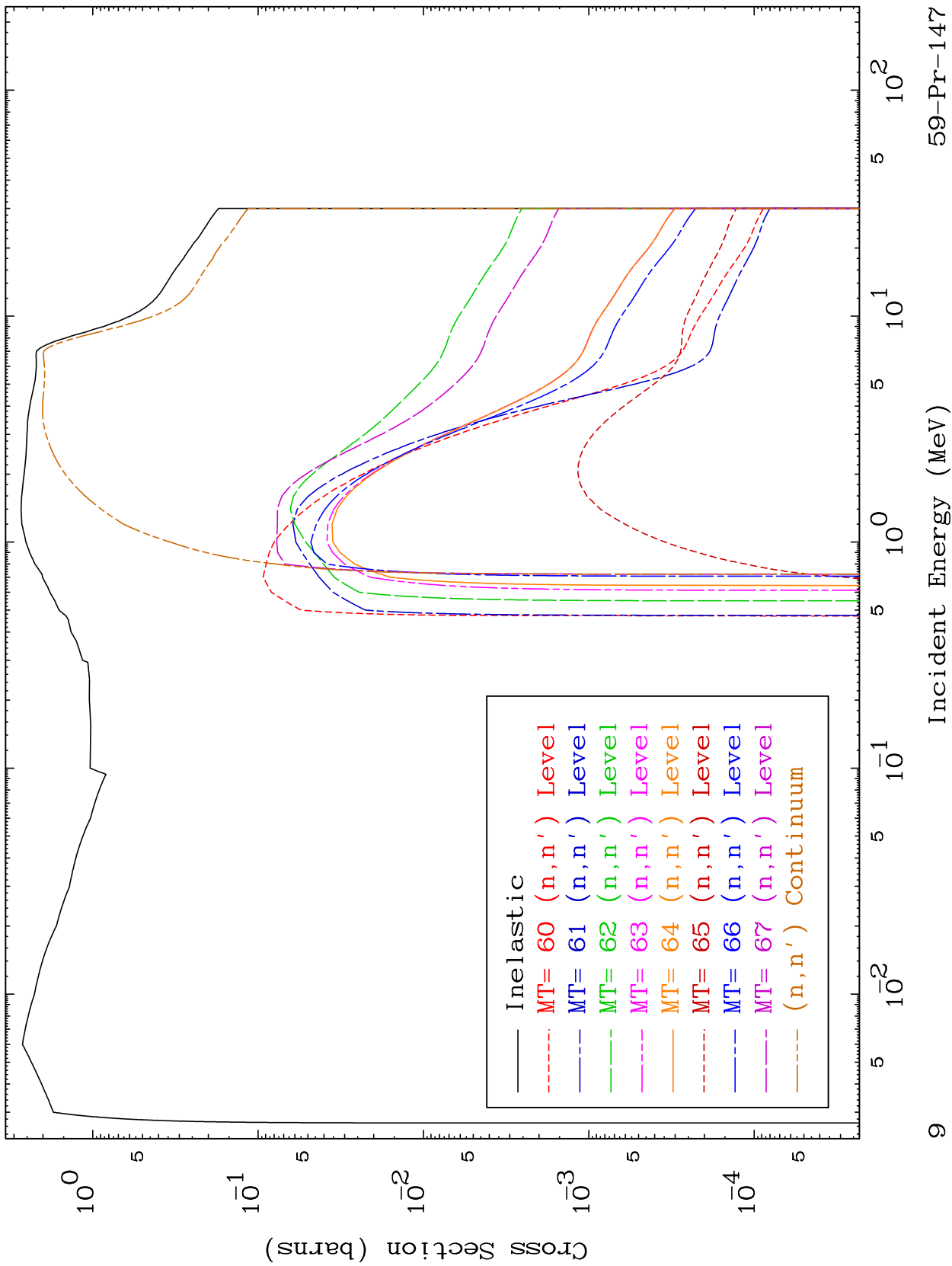
5



293 Kelvin Cross Sections



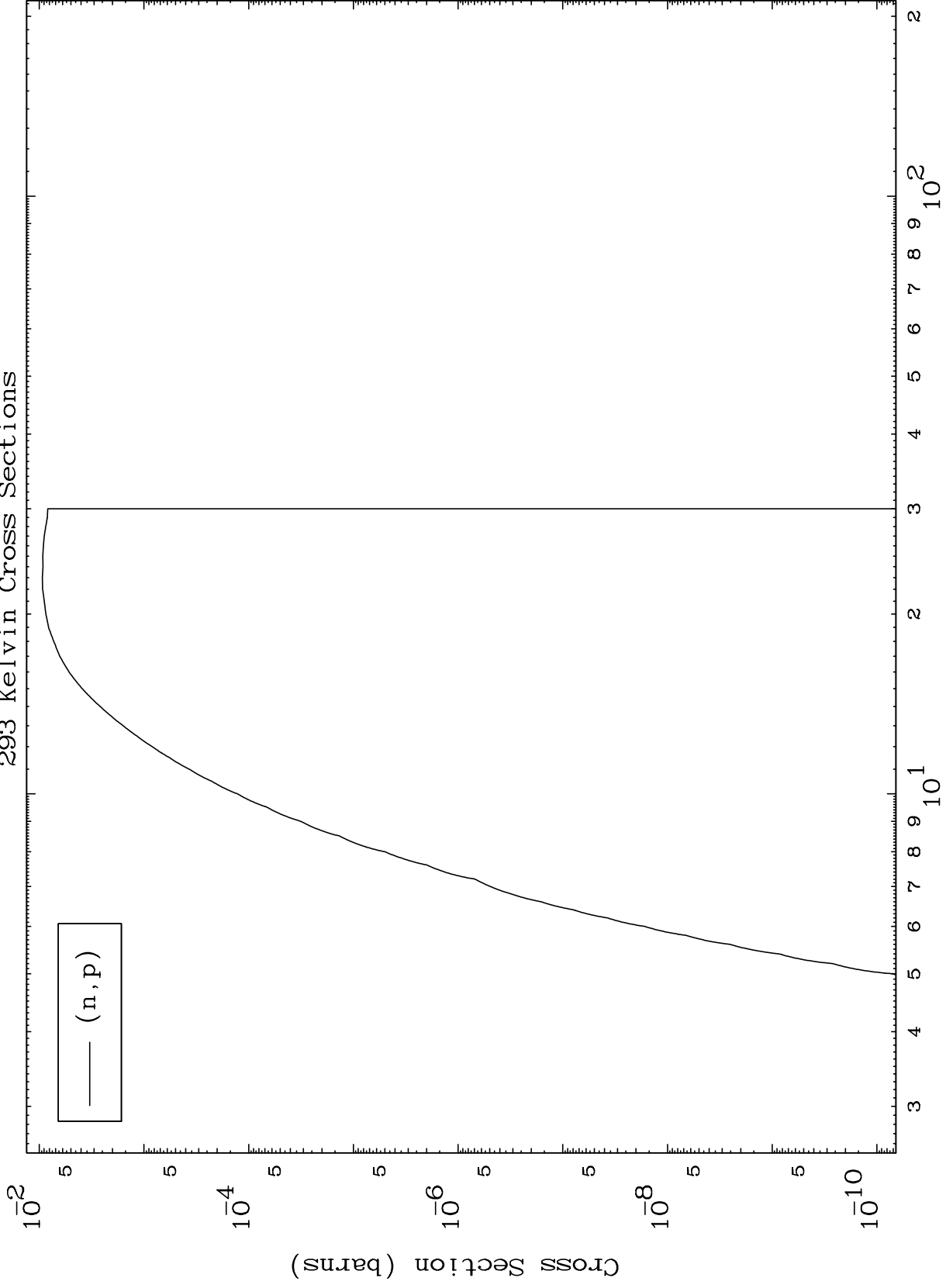
293 (n,n') Levels



MAT 5943

(n,p) Levels
293 Kelvin Cross Sections

59-Pr-147



(n,p)

Incident Energy (MeV)

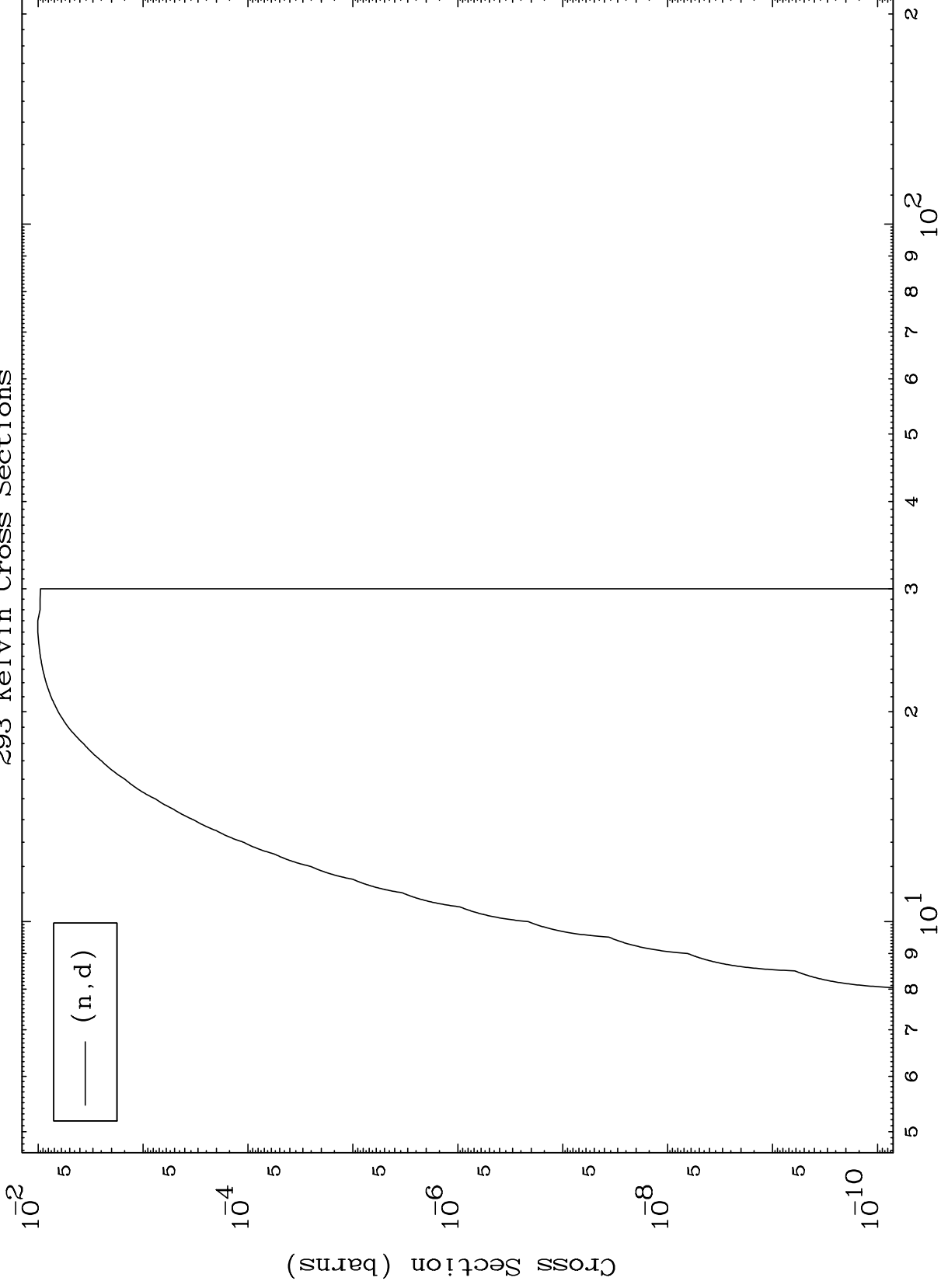
59-Pr-147

10

MAT 5943

(n,d) Levels
293 Kelvin Cross Sections

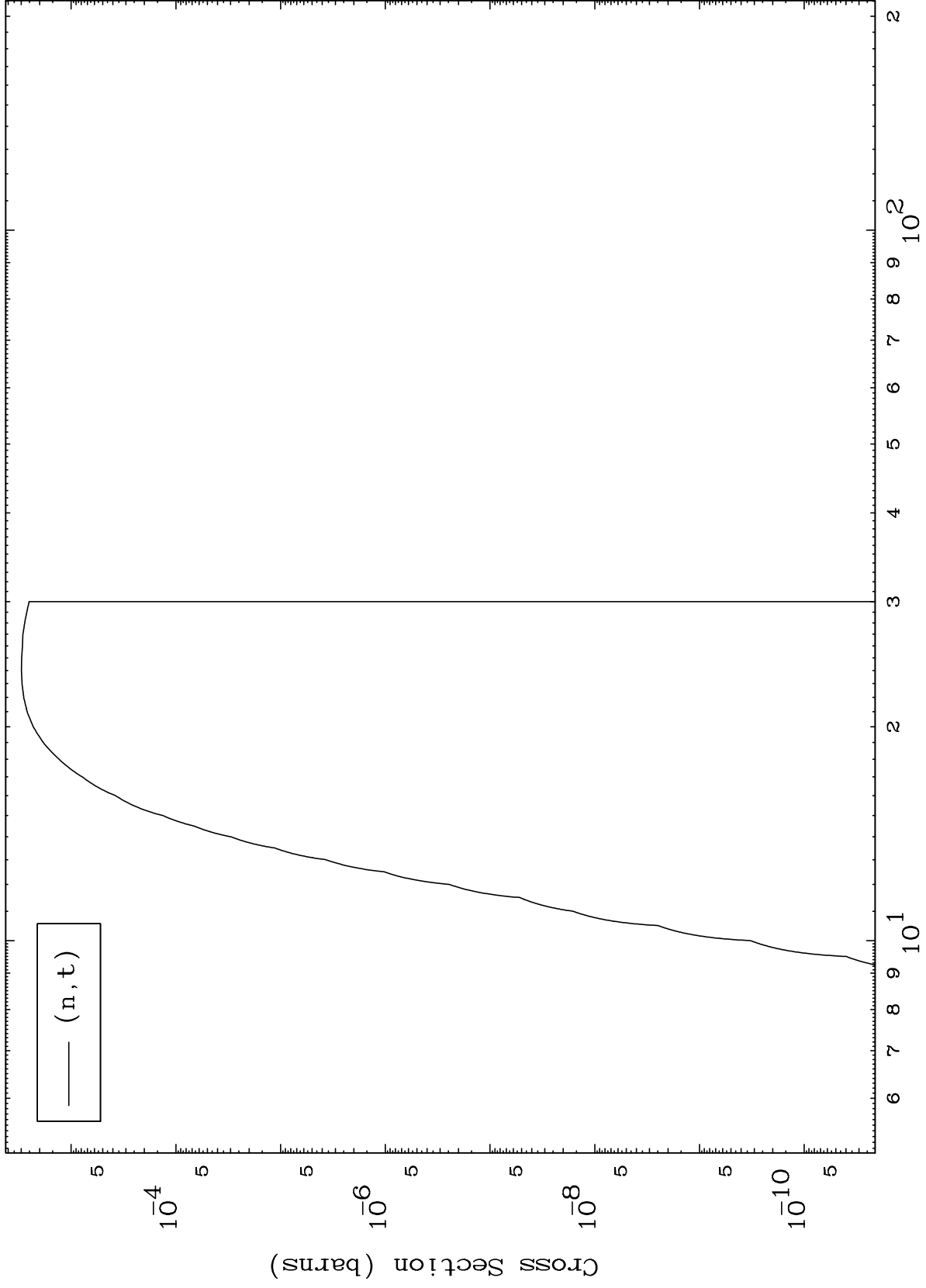
59-Pr-147



11

Incident Energy (MeV)

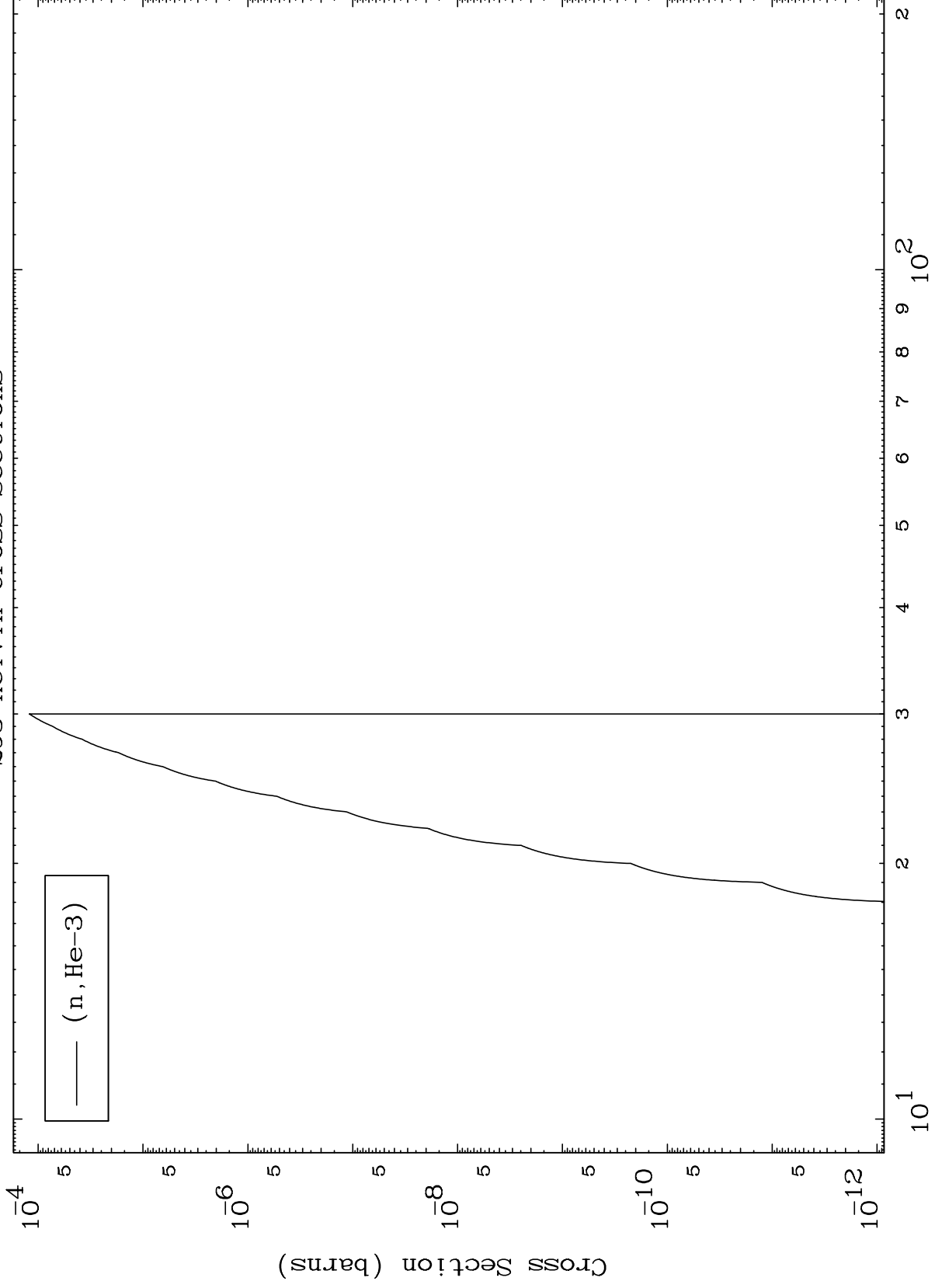
59-Pr-147



MAT 5943

(n,He3) Levels
293 Kelvin Cross Sections

59-Pr-147



13

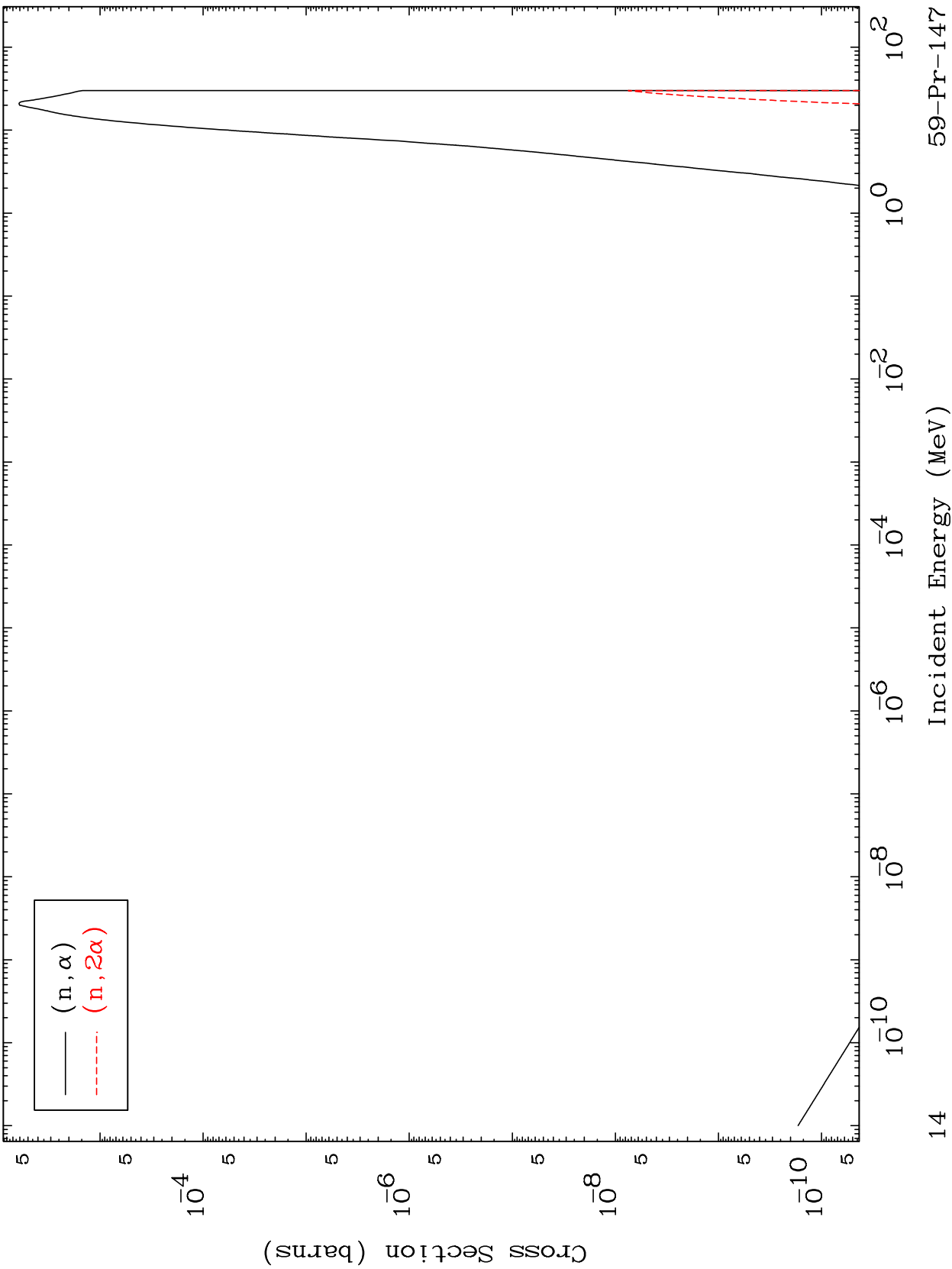
Incident Energy (MeV)

59-Pr-147

MAT 5943

(n, α) Levels
293 Kelvin Cross Sections

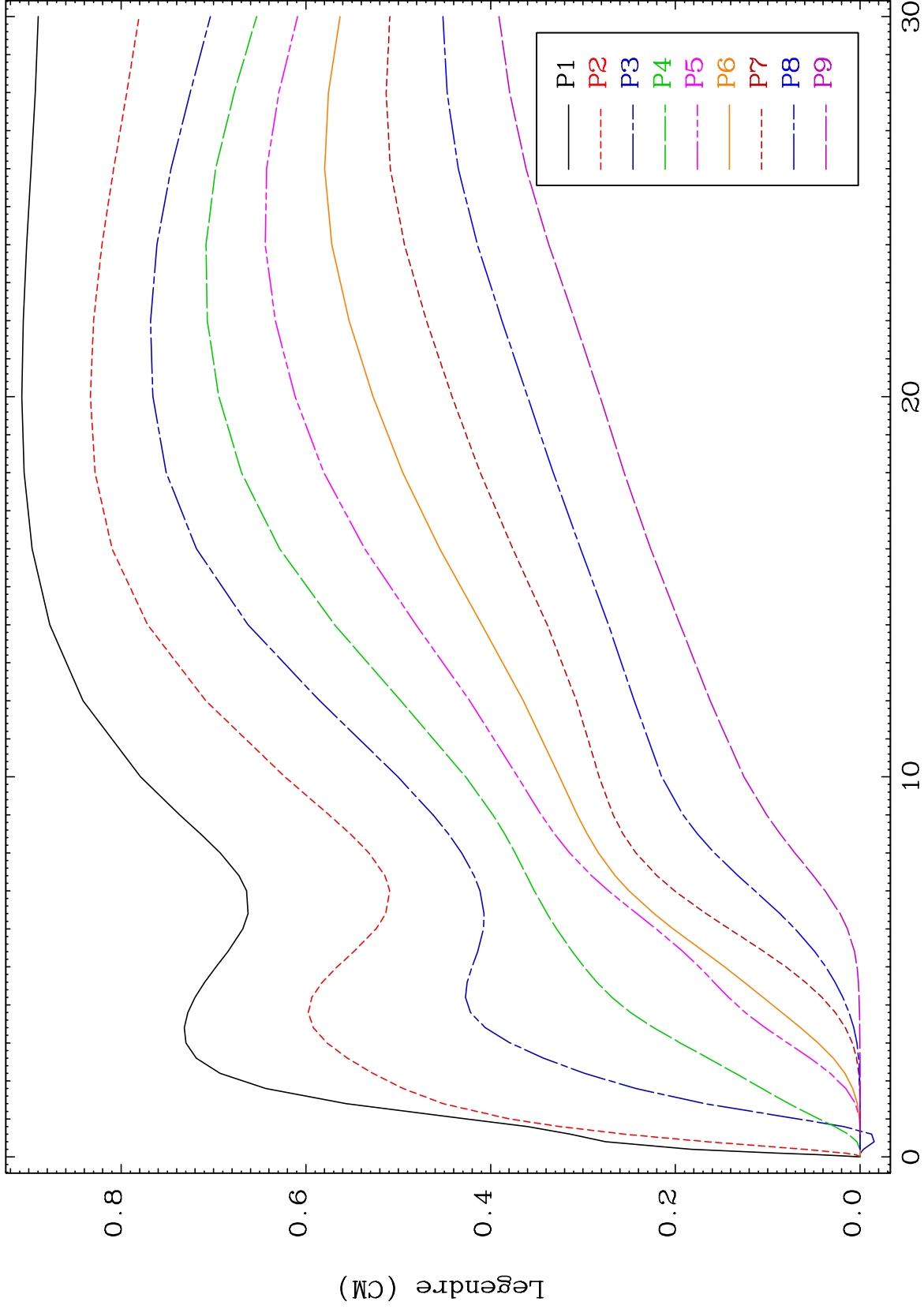
59-Pr-147



MAT 5943

Elastic Legendre Coefficients

59-Pr-147



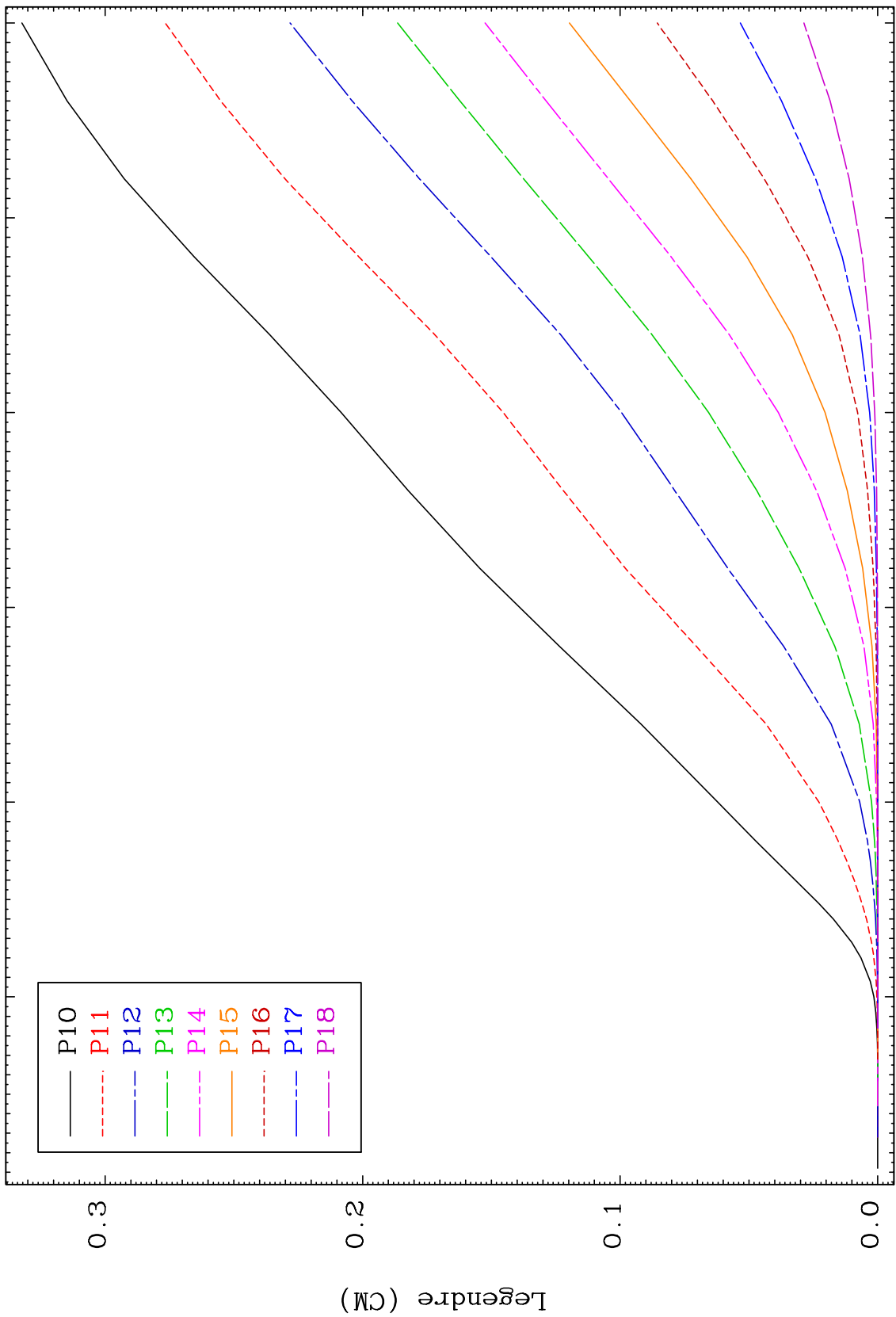
Incident Energy (MeV)

59-Pr-147

MAT 5943

Elastic Legendre Coefficients

59-Pr-147



16

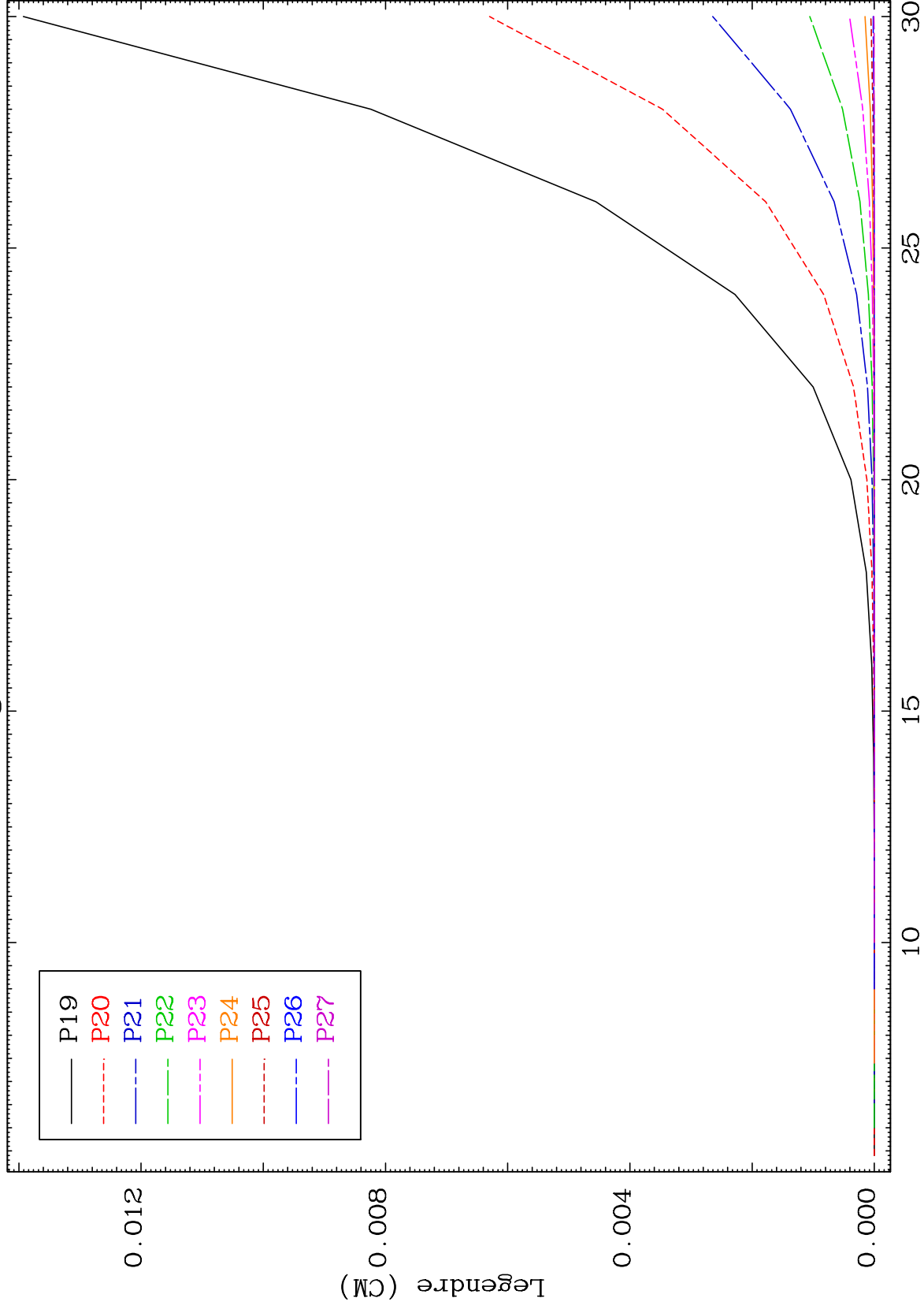
59-Pr-147

Incident Energy (MeV)

MAT 5943

Elastic Legendre Coefficients

59-Pr-147



17

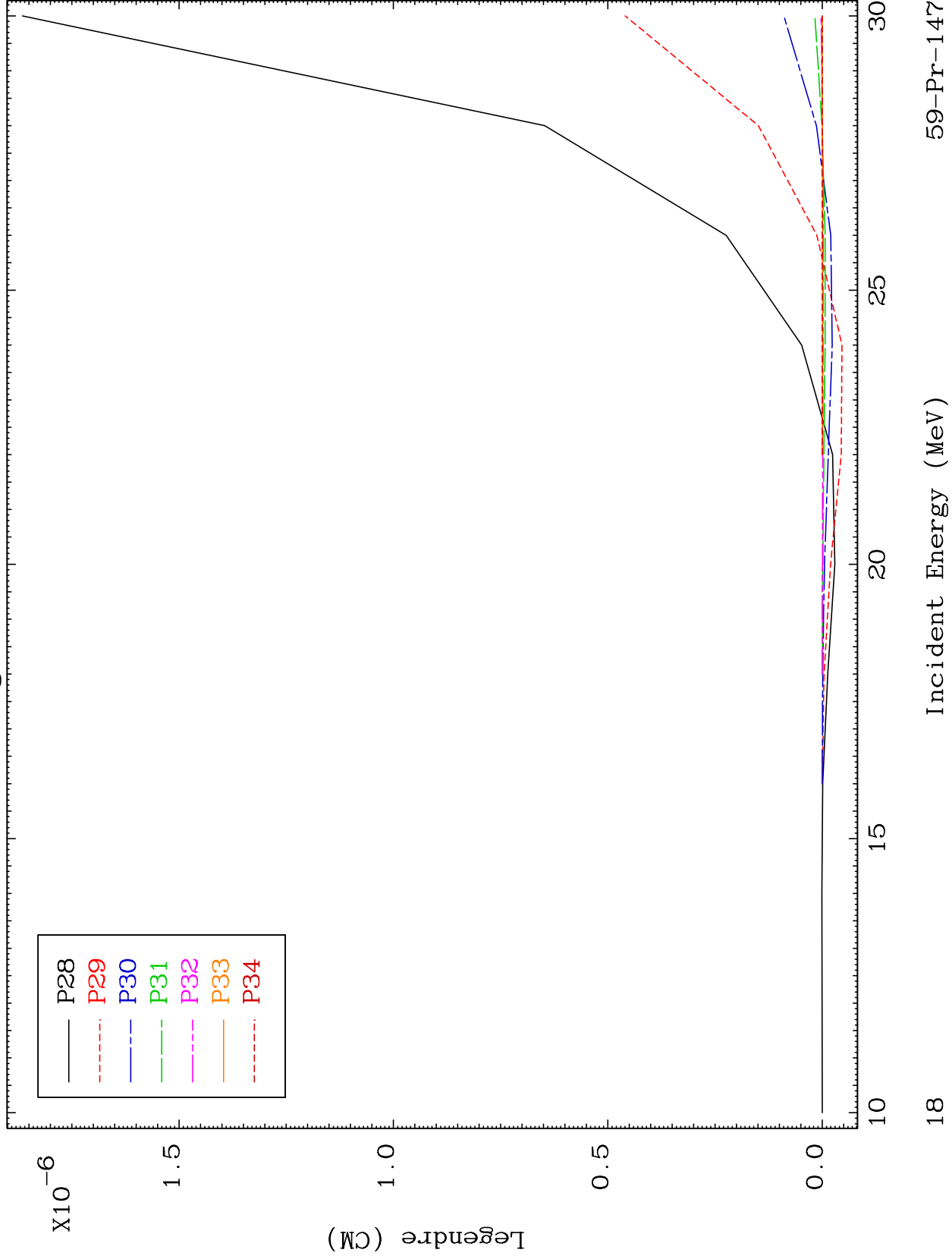
Incident Energy (MeV)

59-Pr-147

MAT 5943

Elastic Legendre Coefficients

59-Pr-147



59-Pr-147

Incident Energy (MeV)

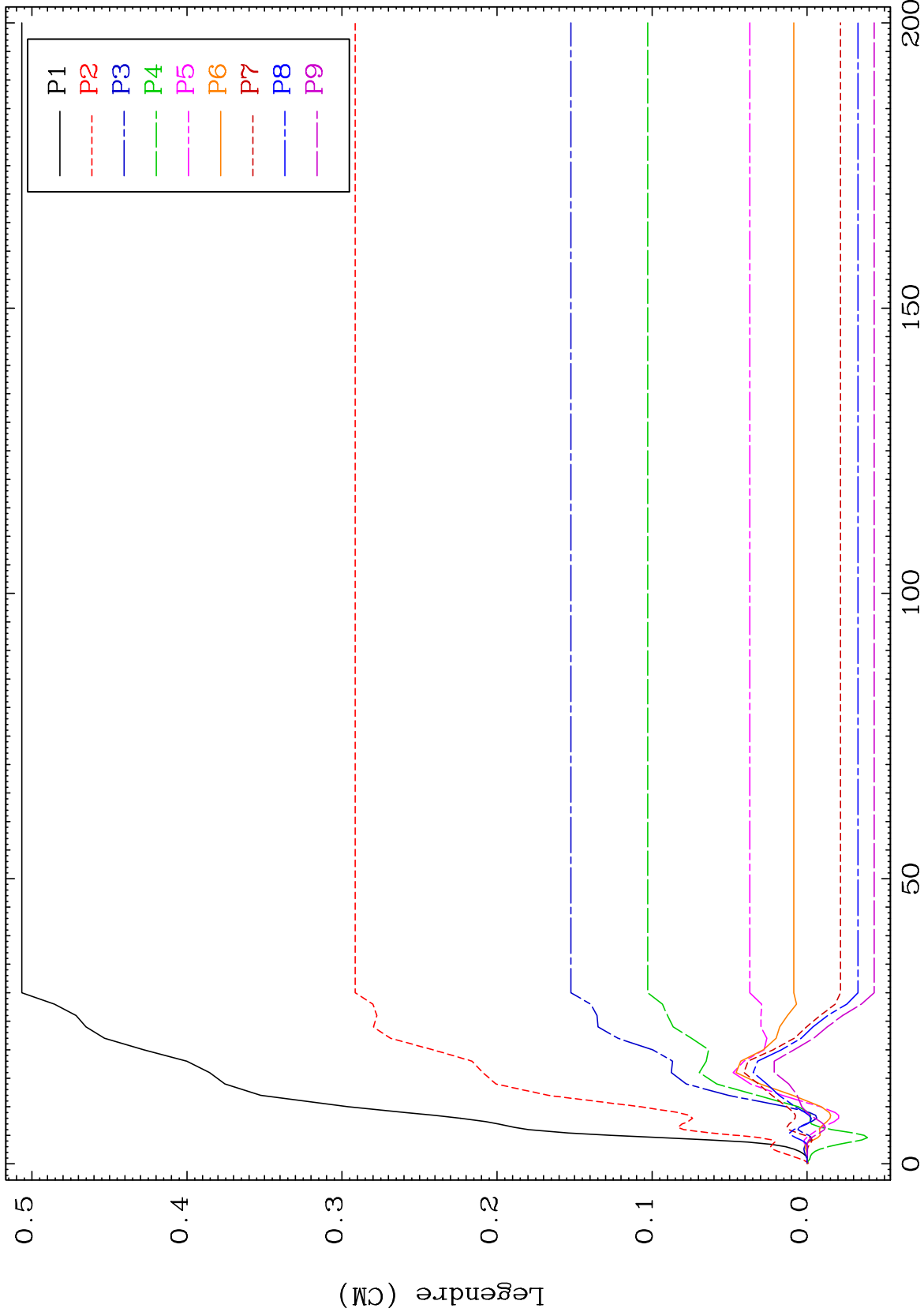
18

MAT 5943

MT= 51 (n,n') Level

59-Pr-147

Legendre Coefficients



59-Pr-147

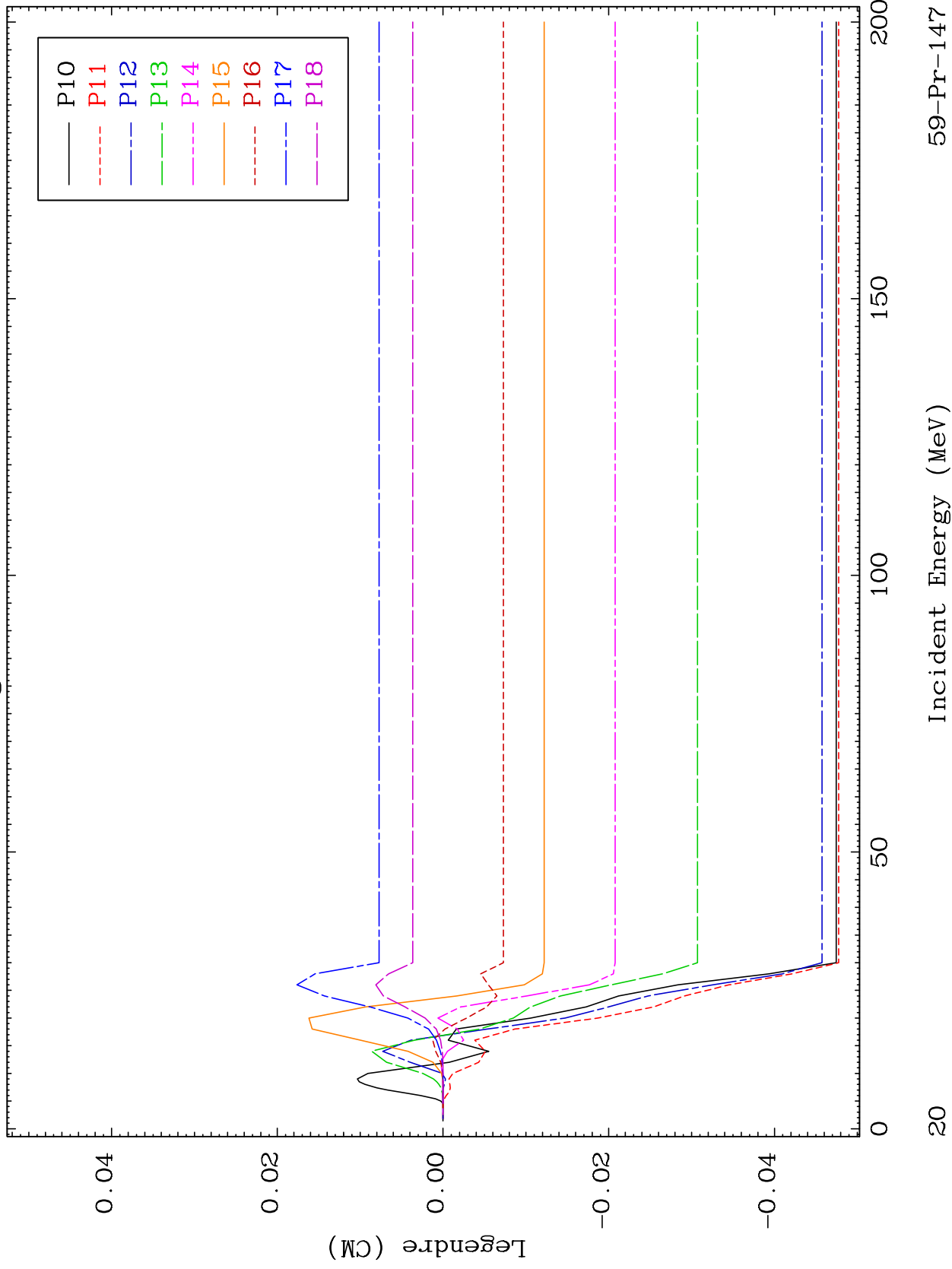
Incident Energy (MeV)

19

MAT 5943

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

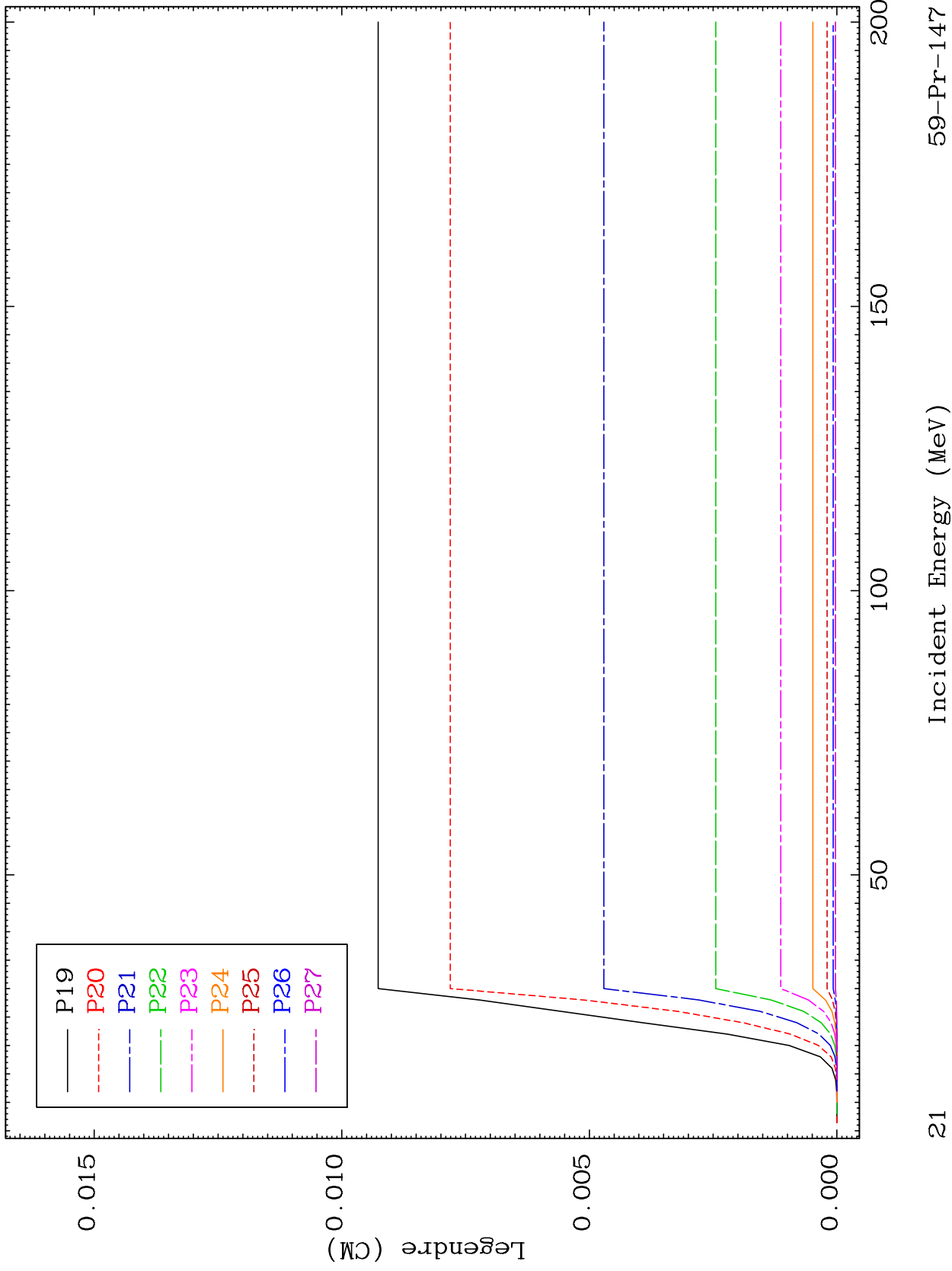
59-Pr-147

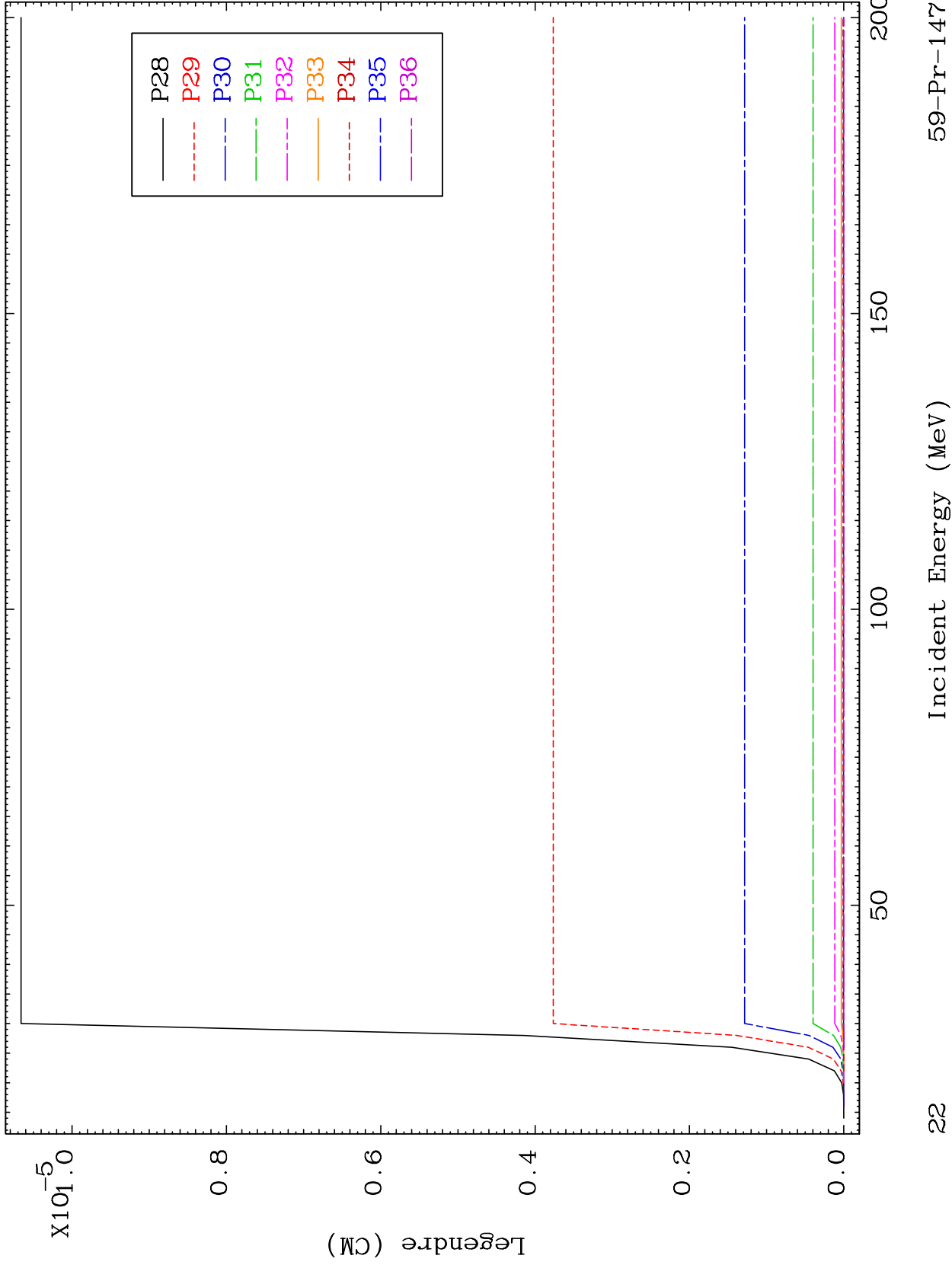


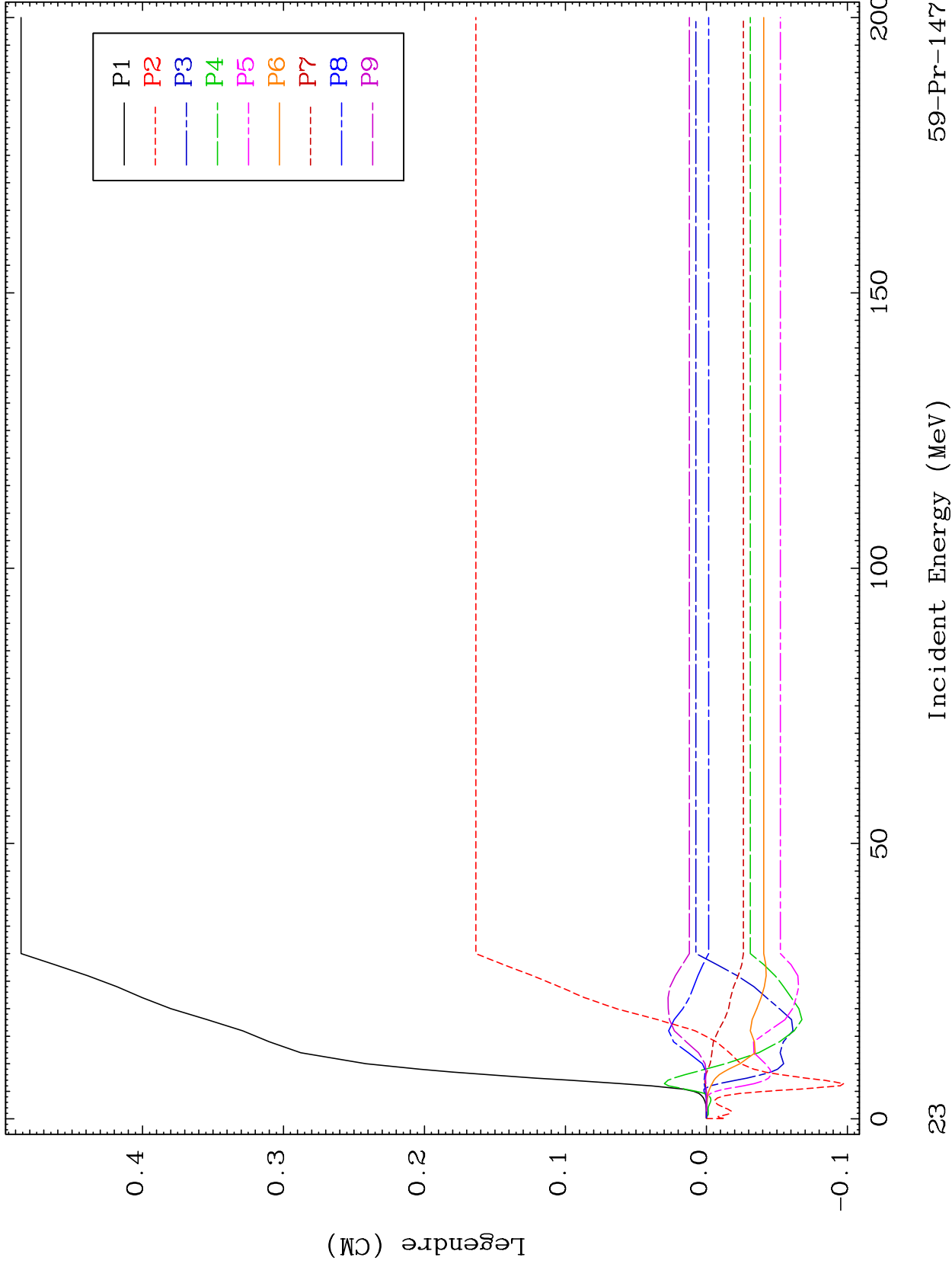
59-Pr-147

Incident Energy (MeV)

20



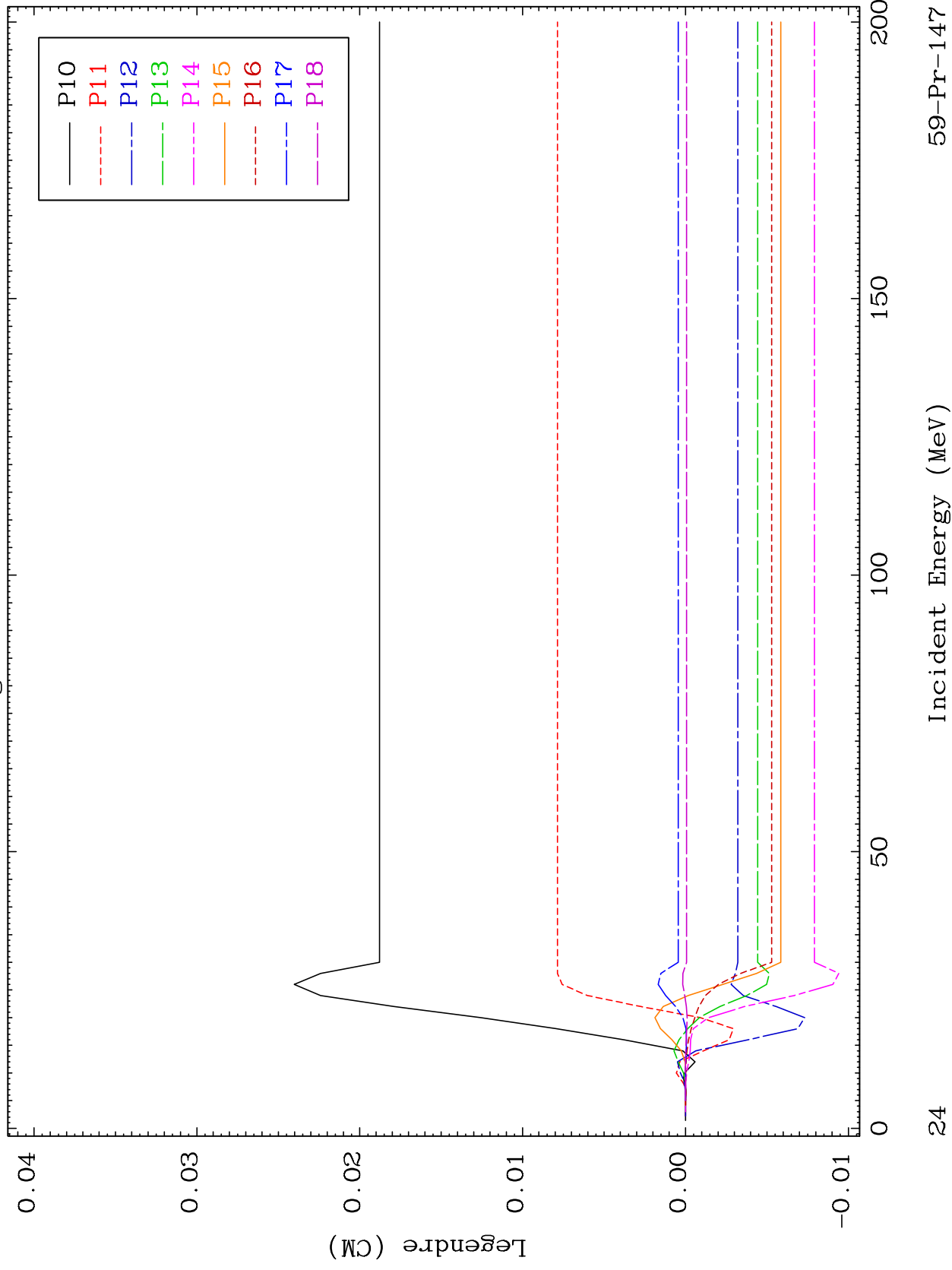




MAT 5943

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

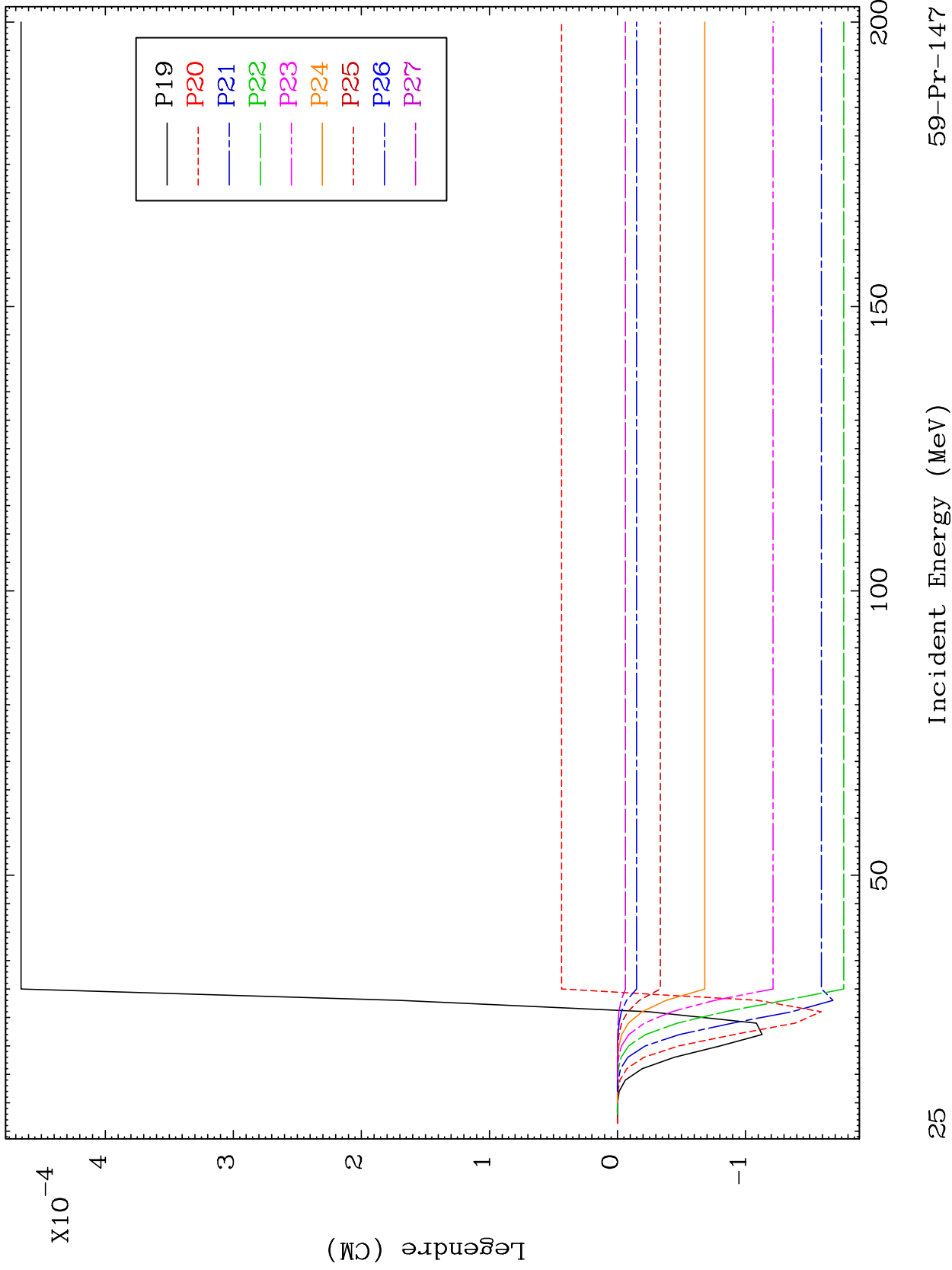
59-Pr-147

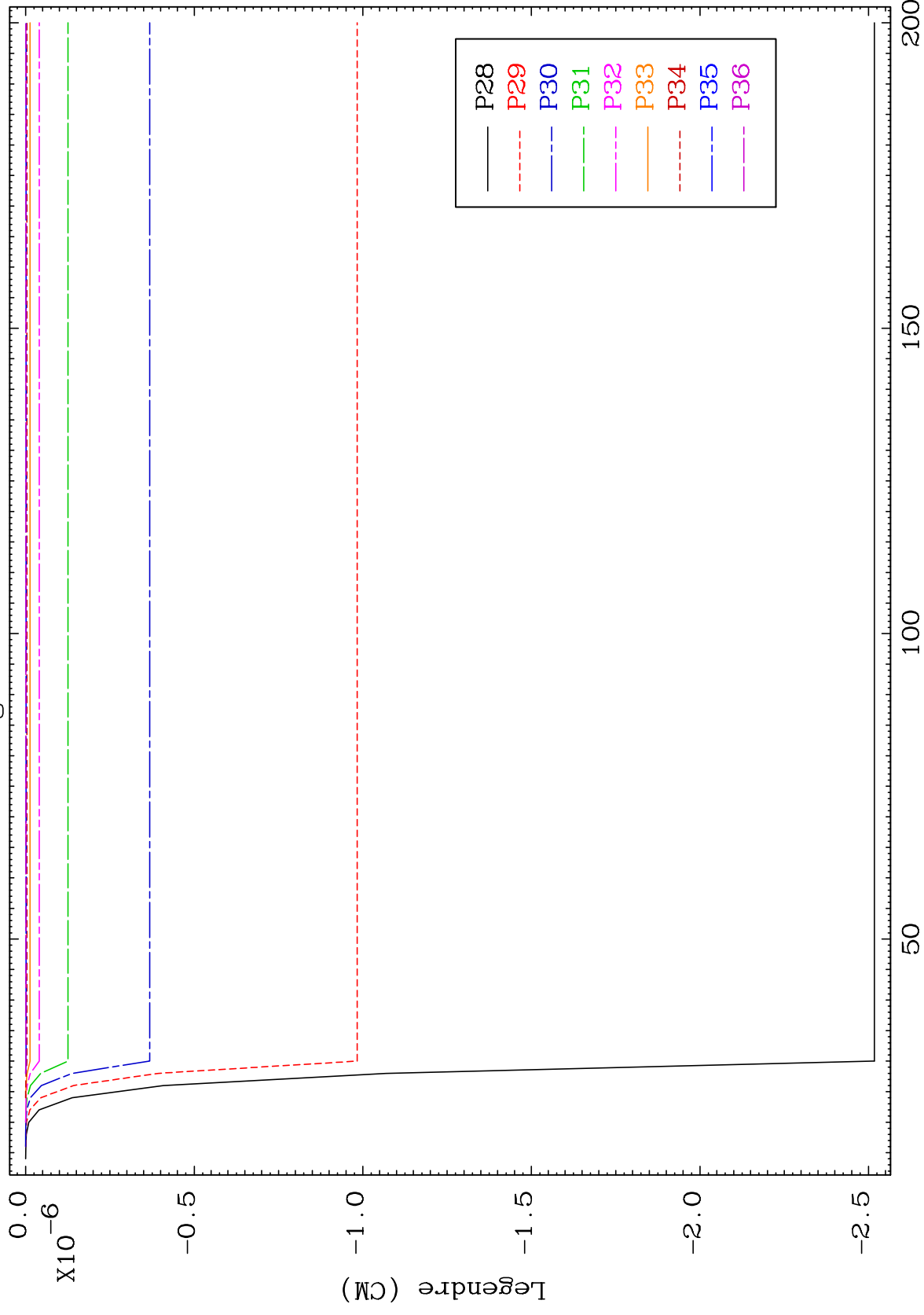


59-Pr-147

Incident Energy (MeV)

24

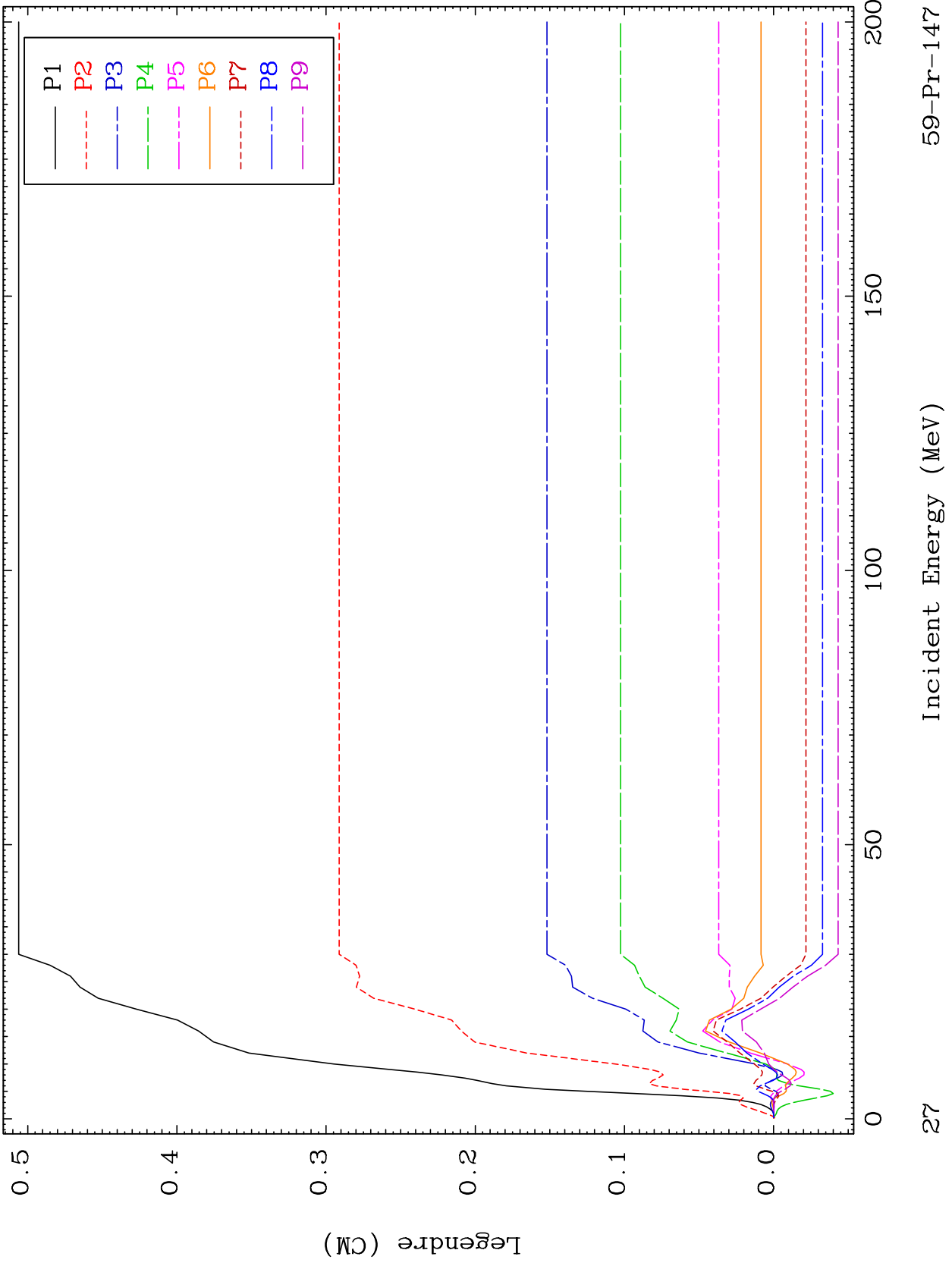




MAT 5943

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

59-Pr-147



27

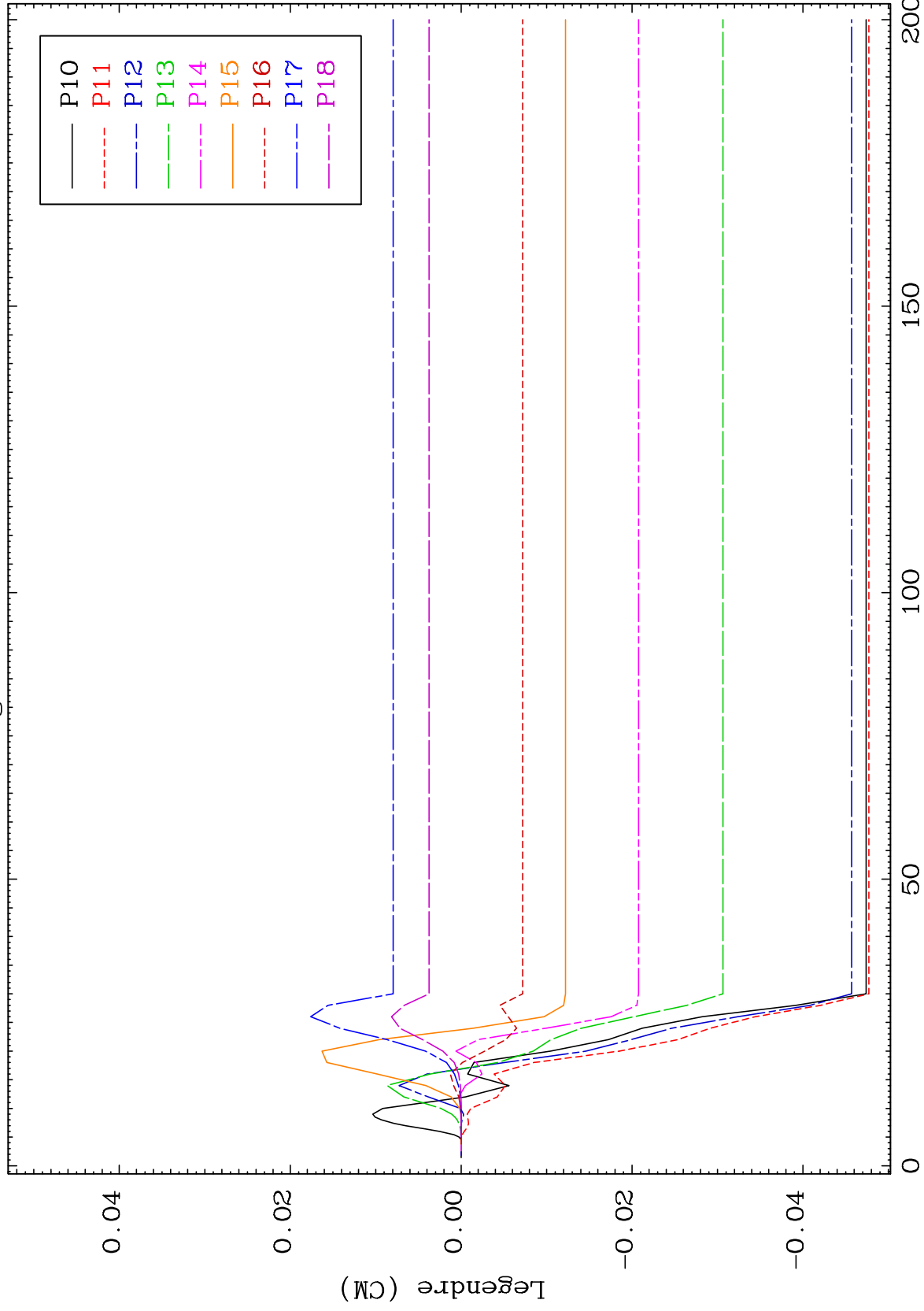
Incident Energy (MeV)

59-Pr-147

MAT 5943

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

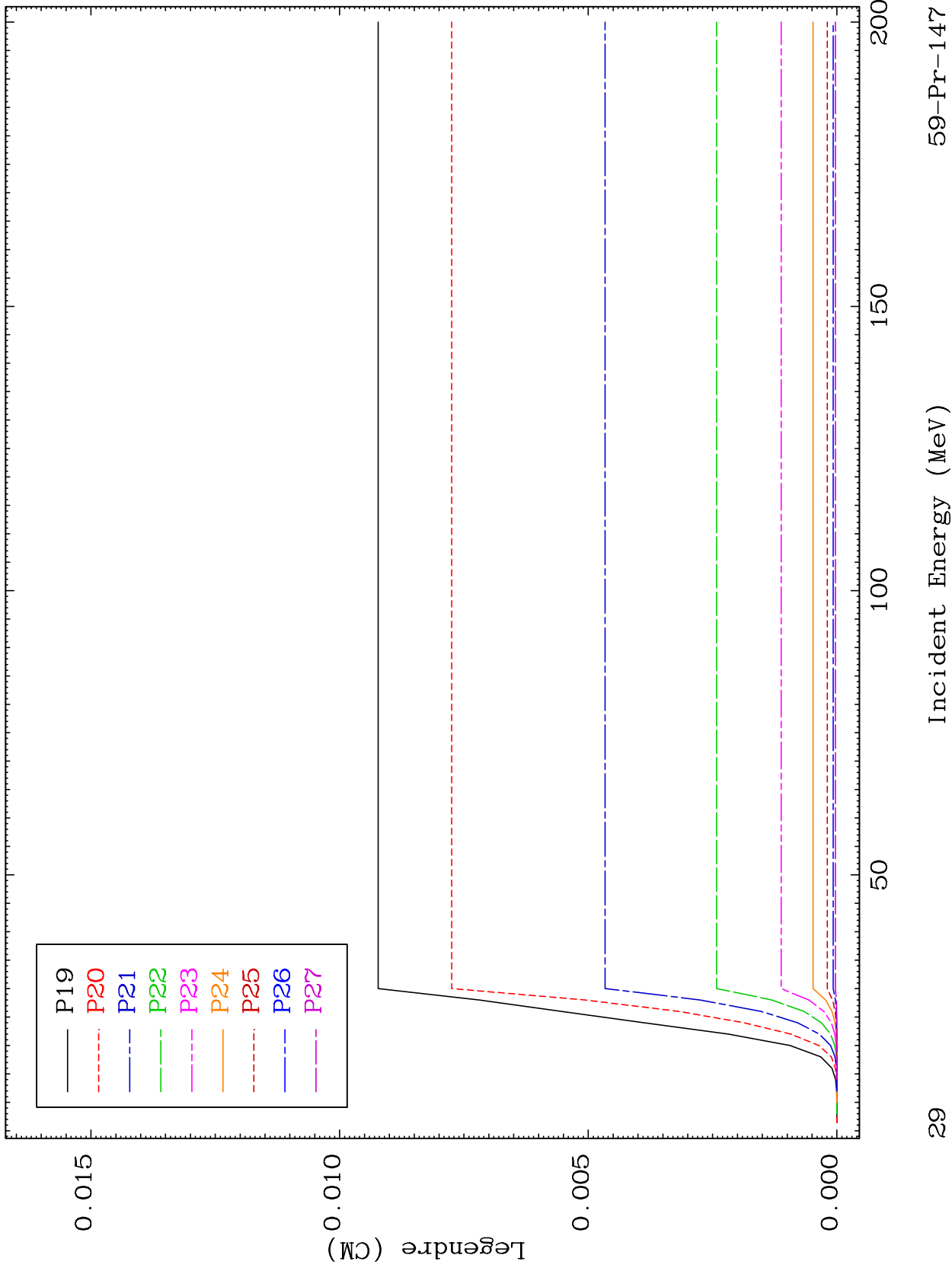
59-Pr-147



28

Incident Energy (MeV)

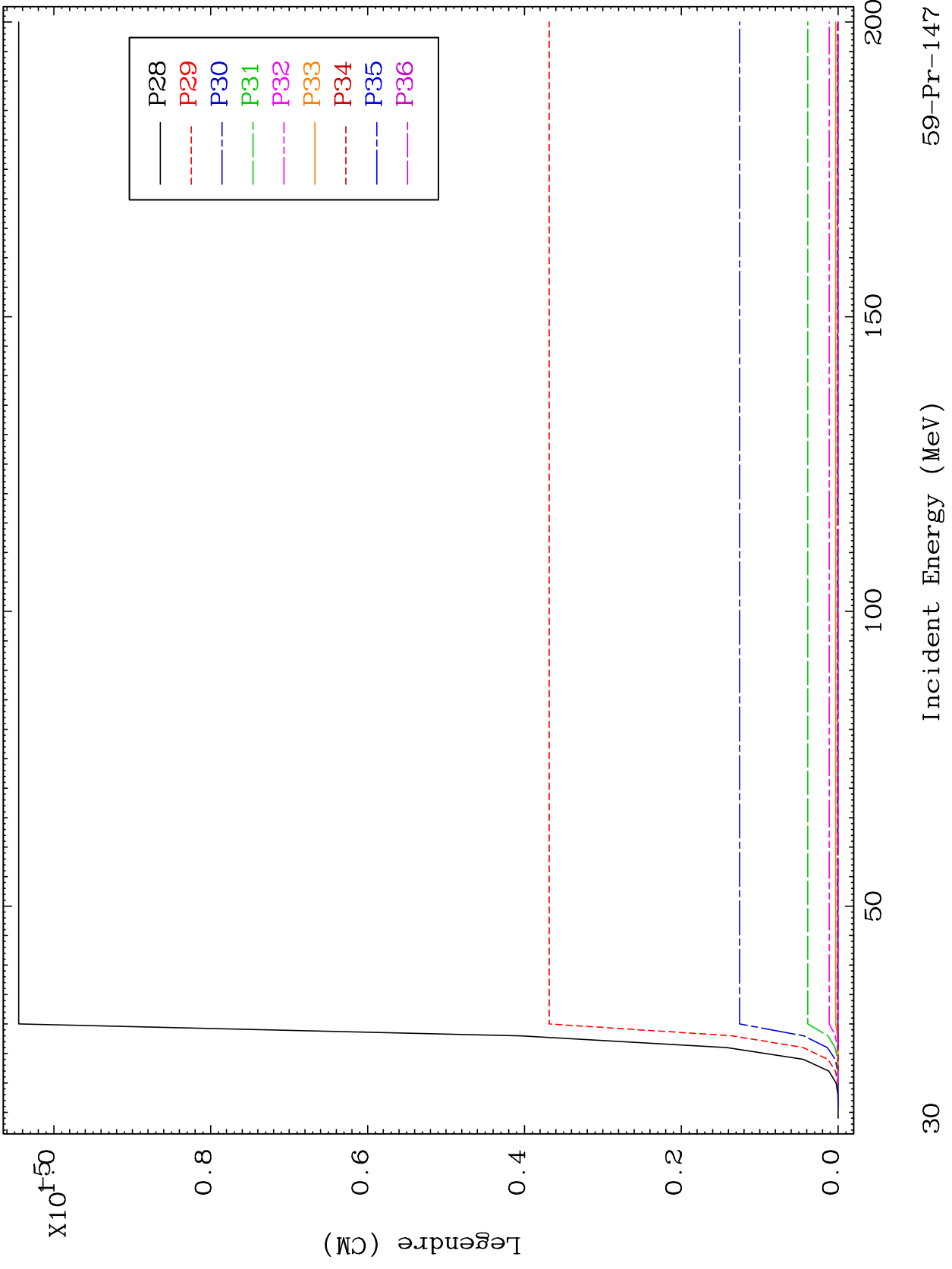
59-Pr-147



MAT 5943

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

59-Pr-147



59-Pr-147

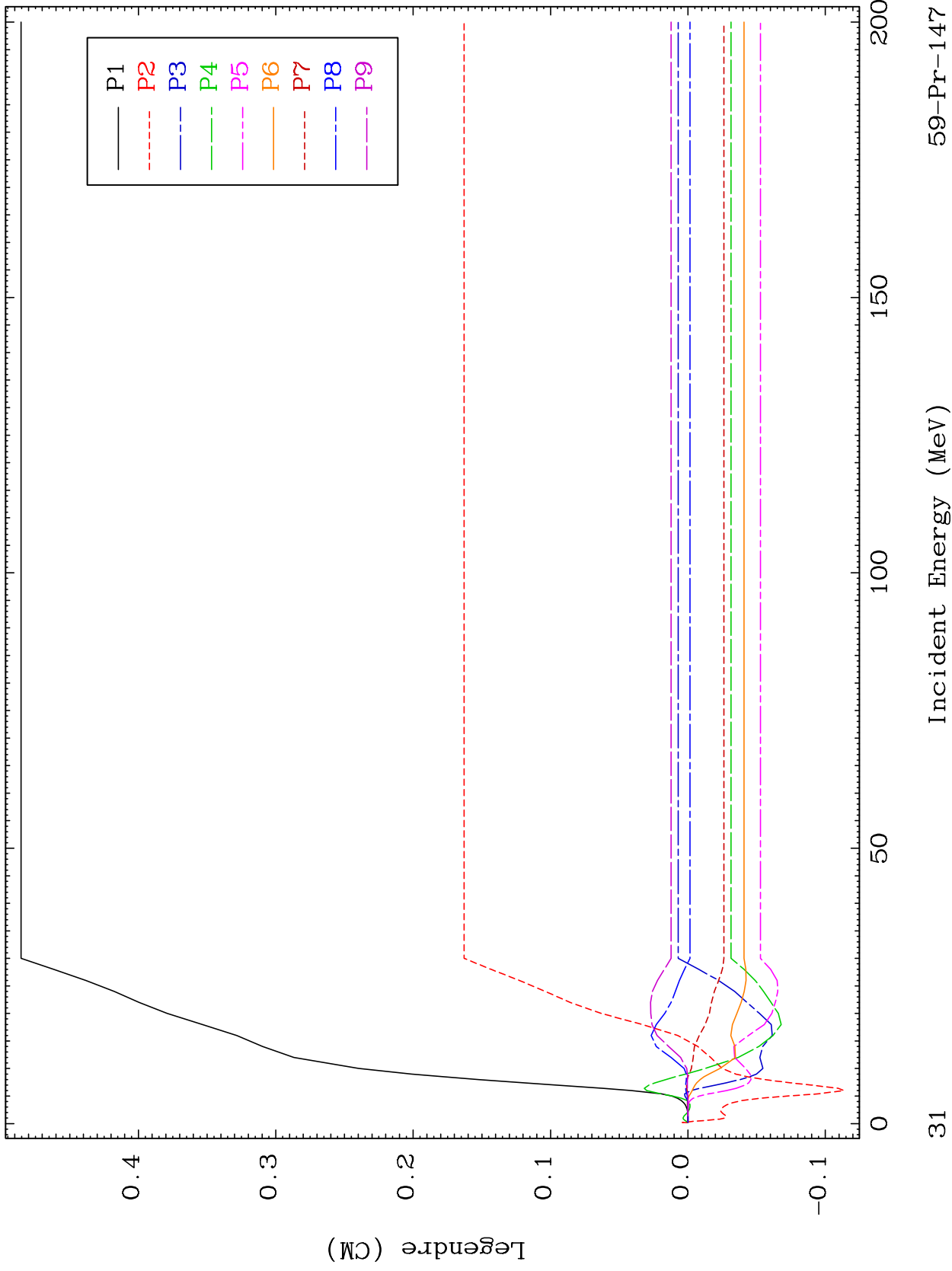
Incident Energy (MeV)

30

MAT 5943

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

59-Pr-147



59-Pr-147

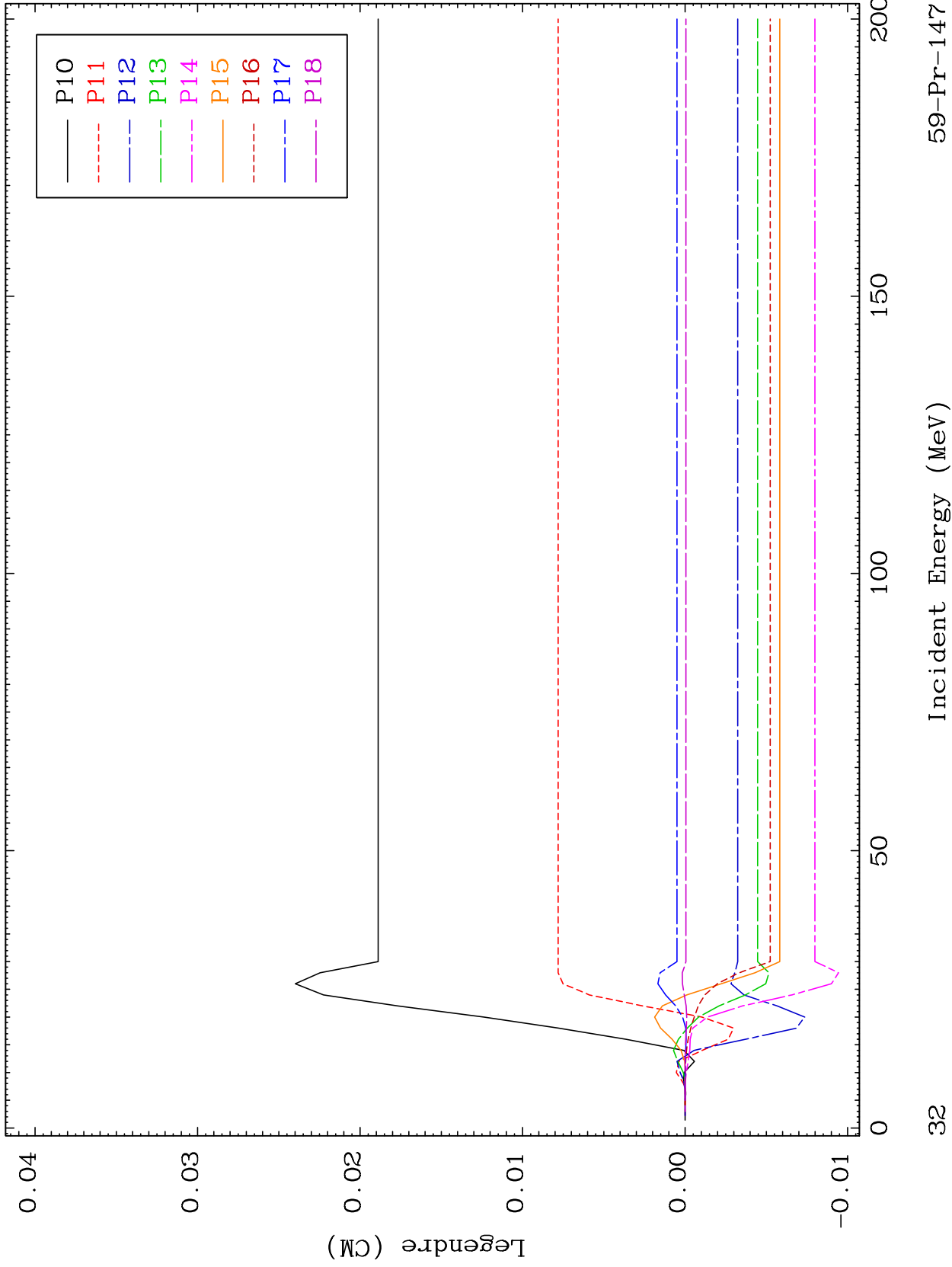
Incident Energy (MeV)

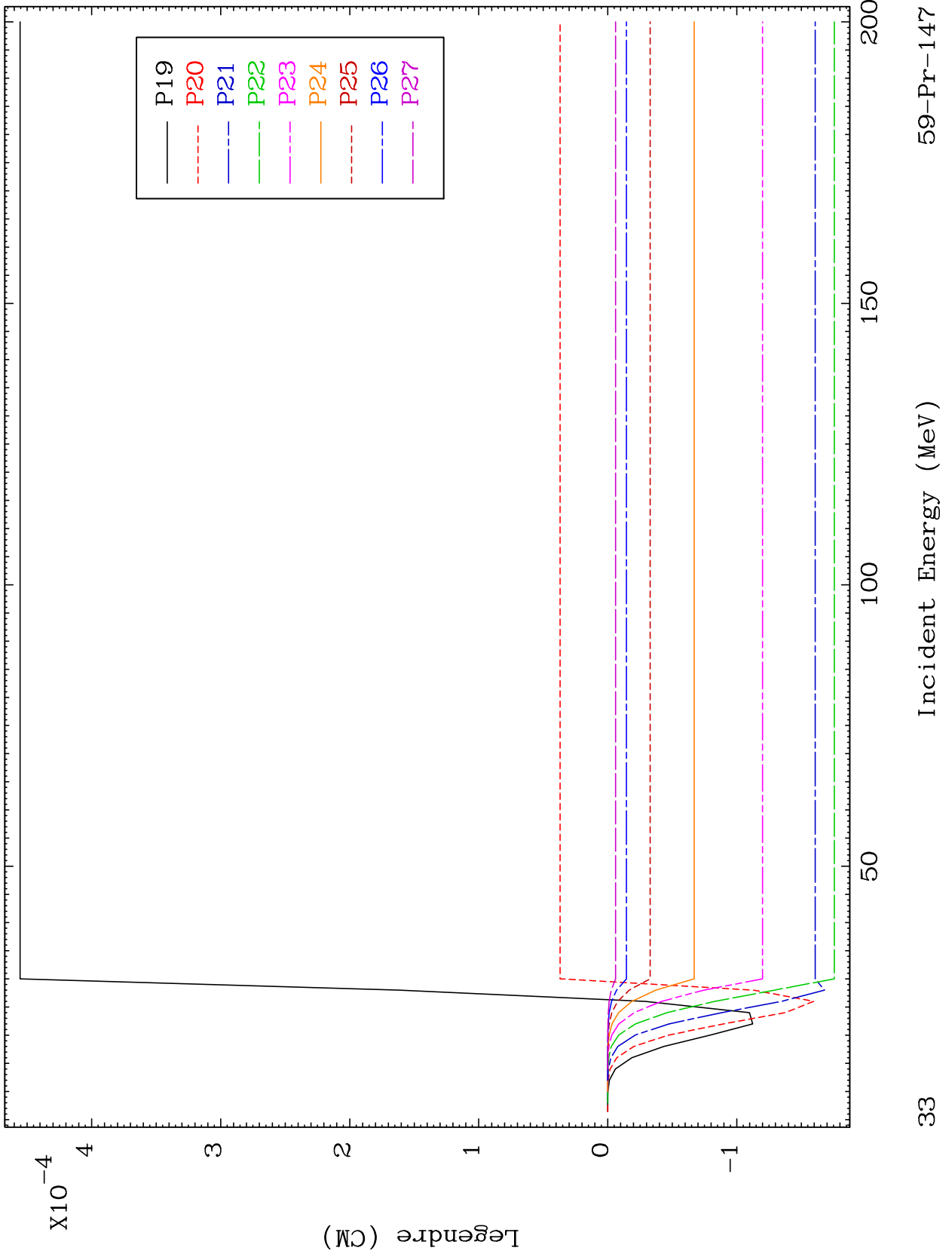
31

MAT 5943

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

59-Pr-147

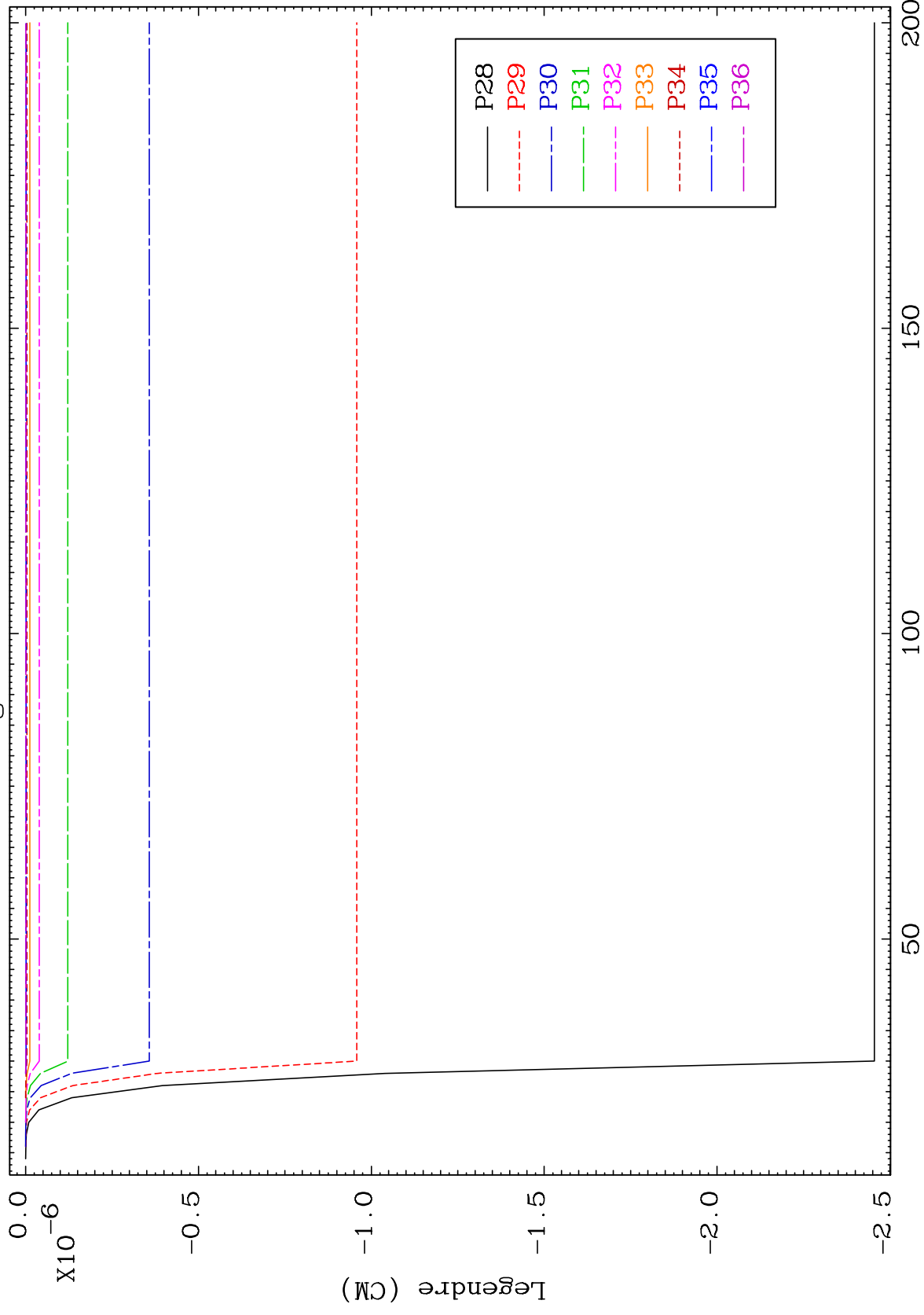




MAT 5943

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

59-Pr-147



34

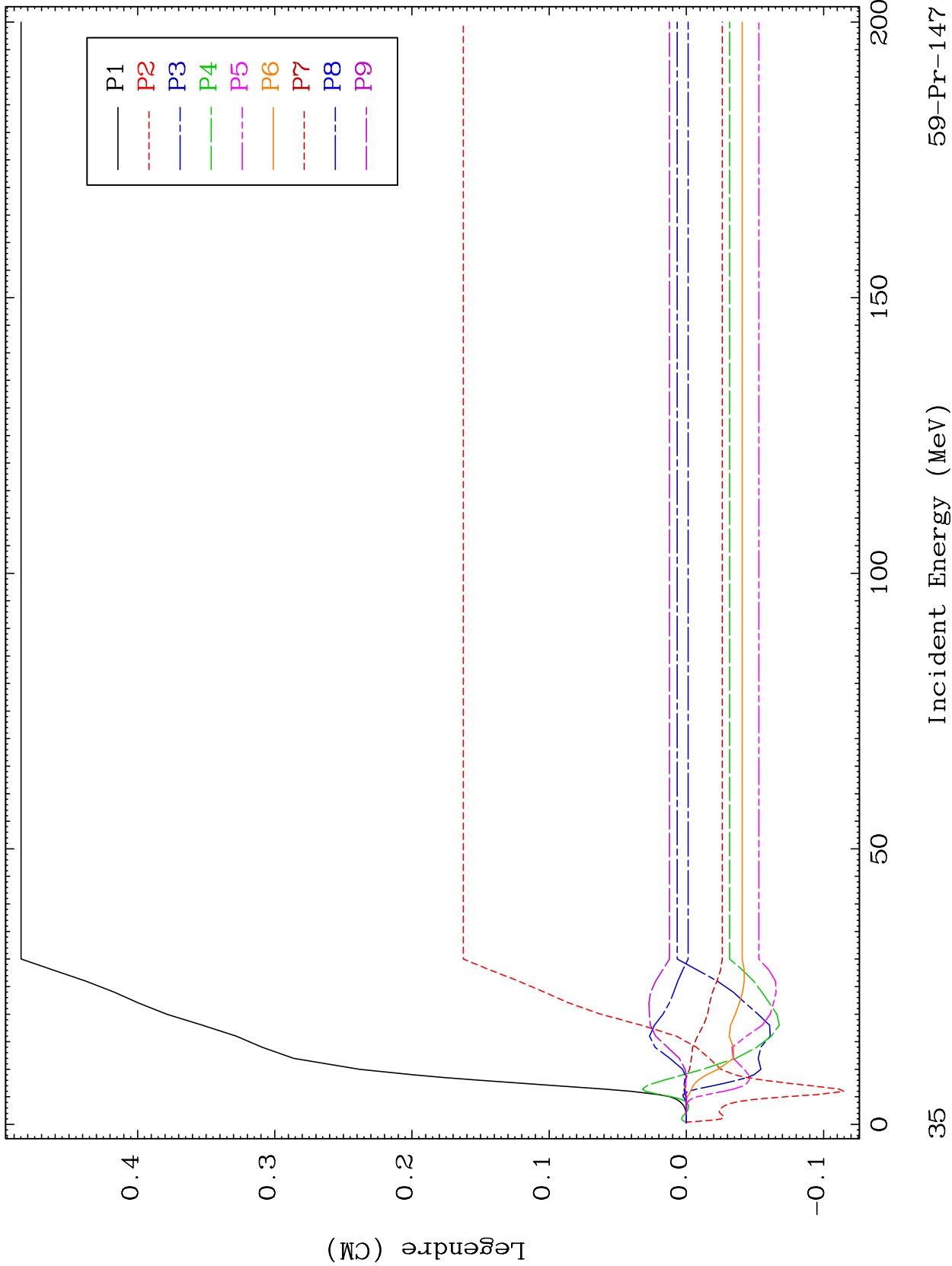
Incident Energy (MeV)

59-Pr-147

MAT 5943

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

59-Pr-147



59-Pr-147

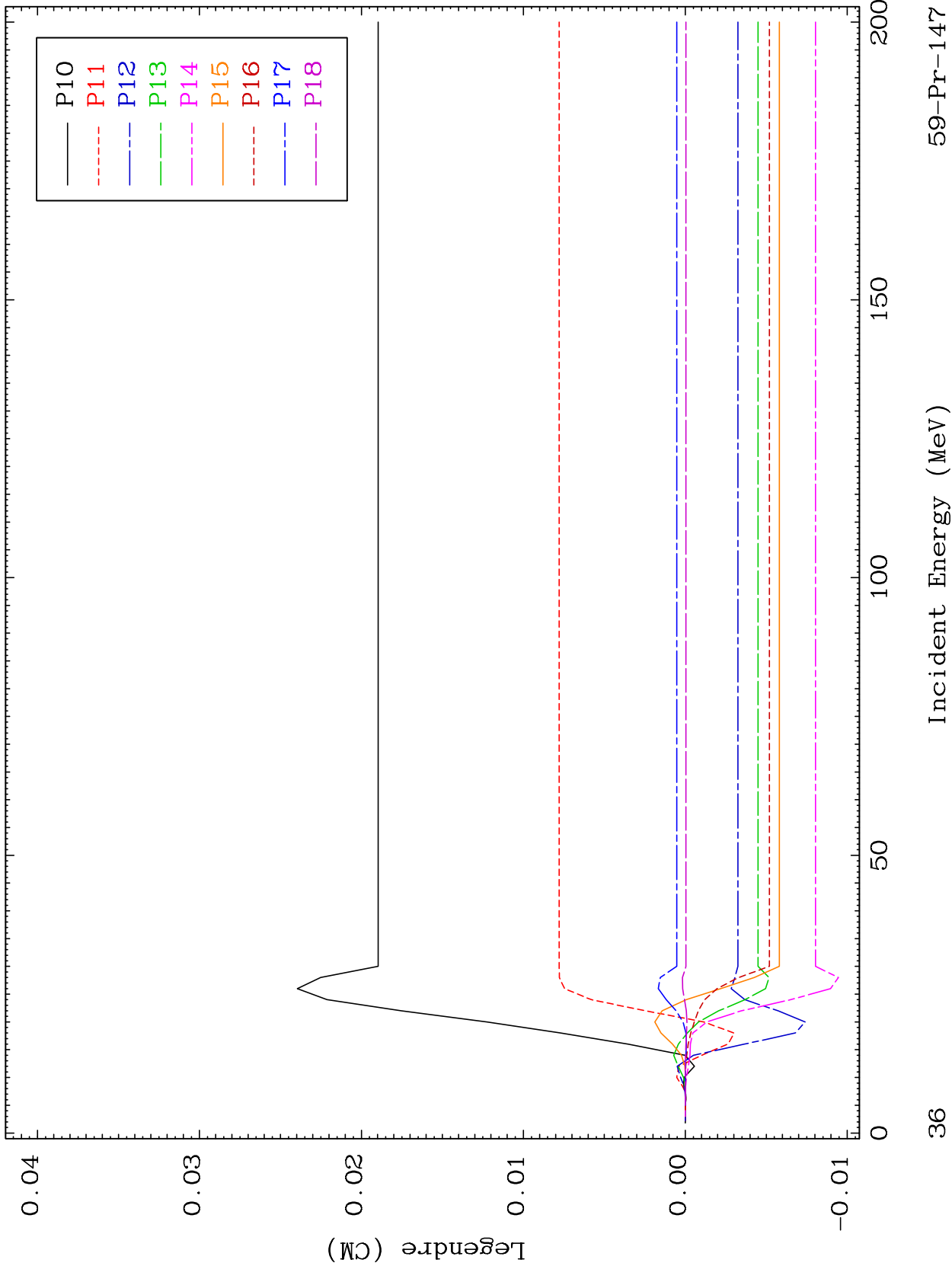
Incident Energy (MeV)

35

MAT 5943

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

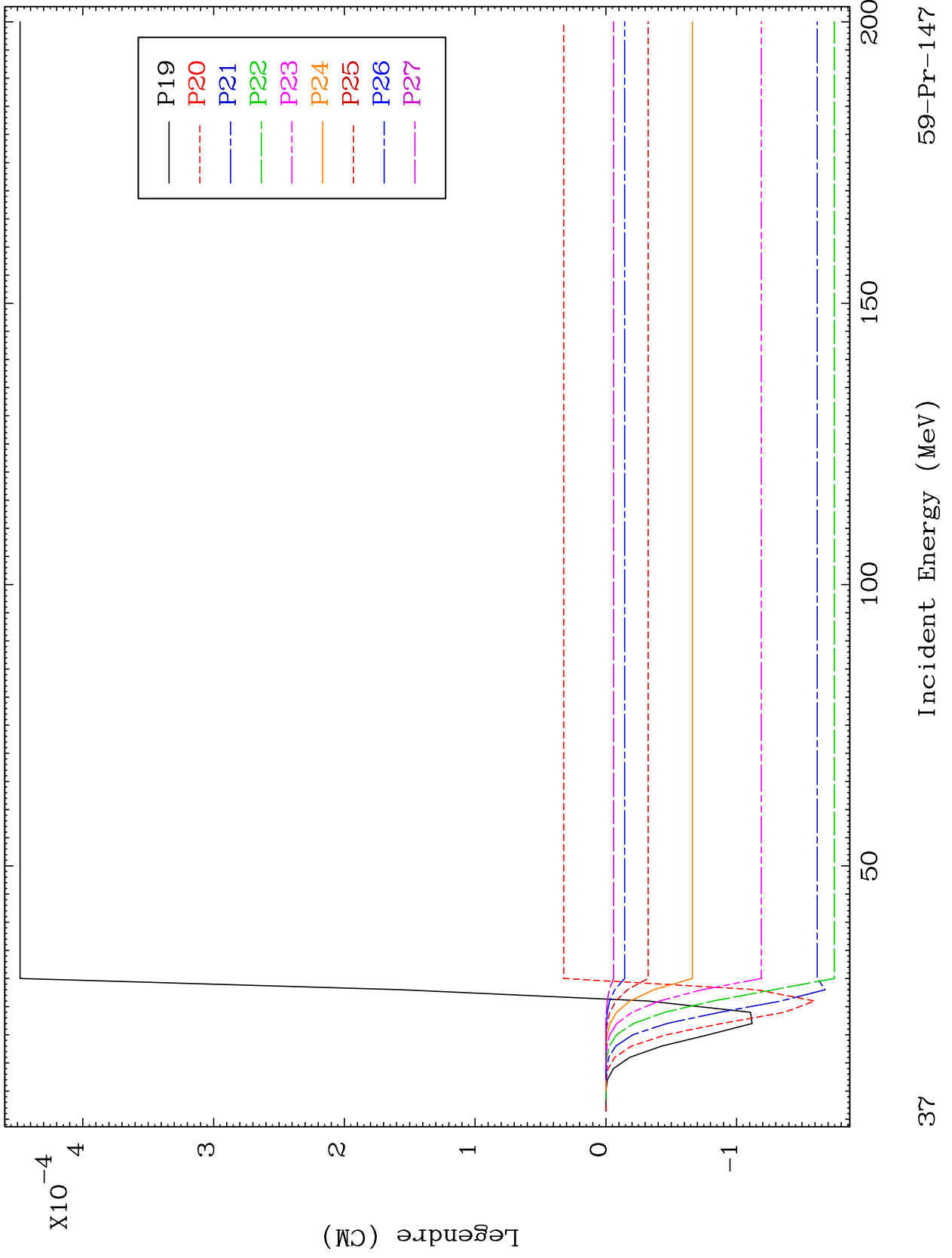
59-Pr-147

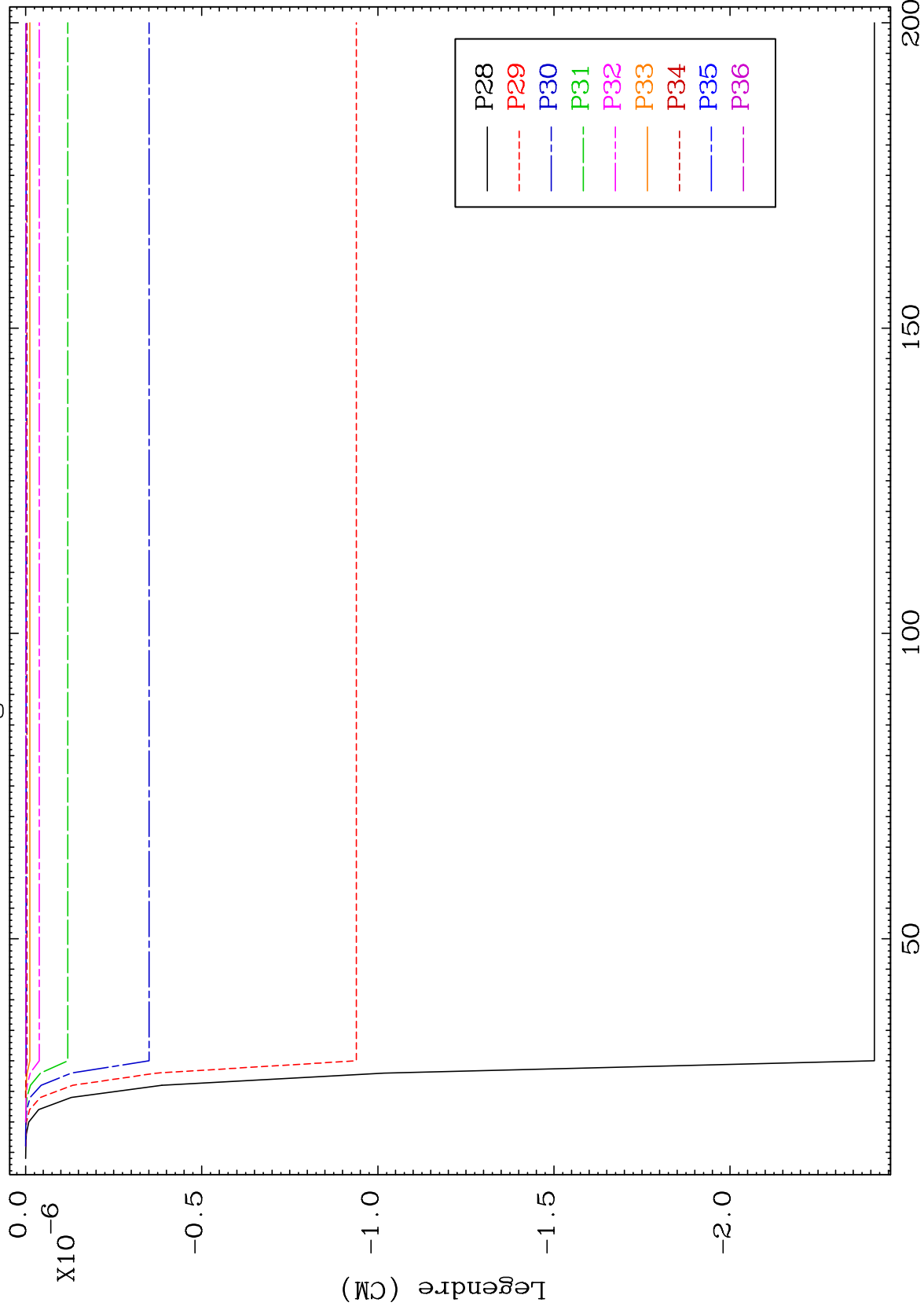


36

Incident Energy (MeV)

59-Pr-147

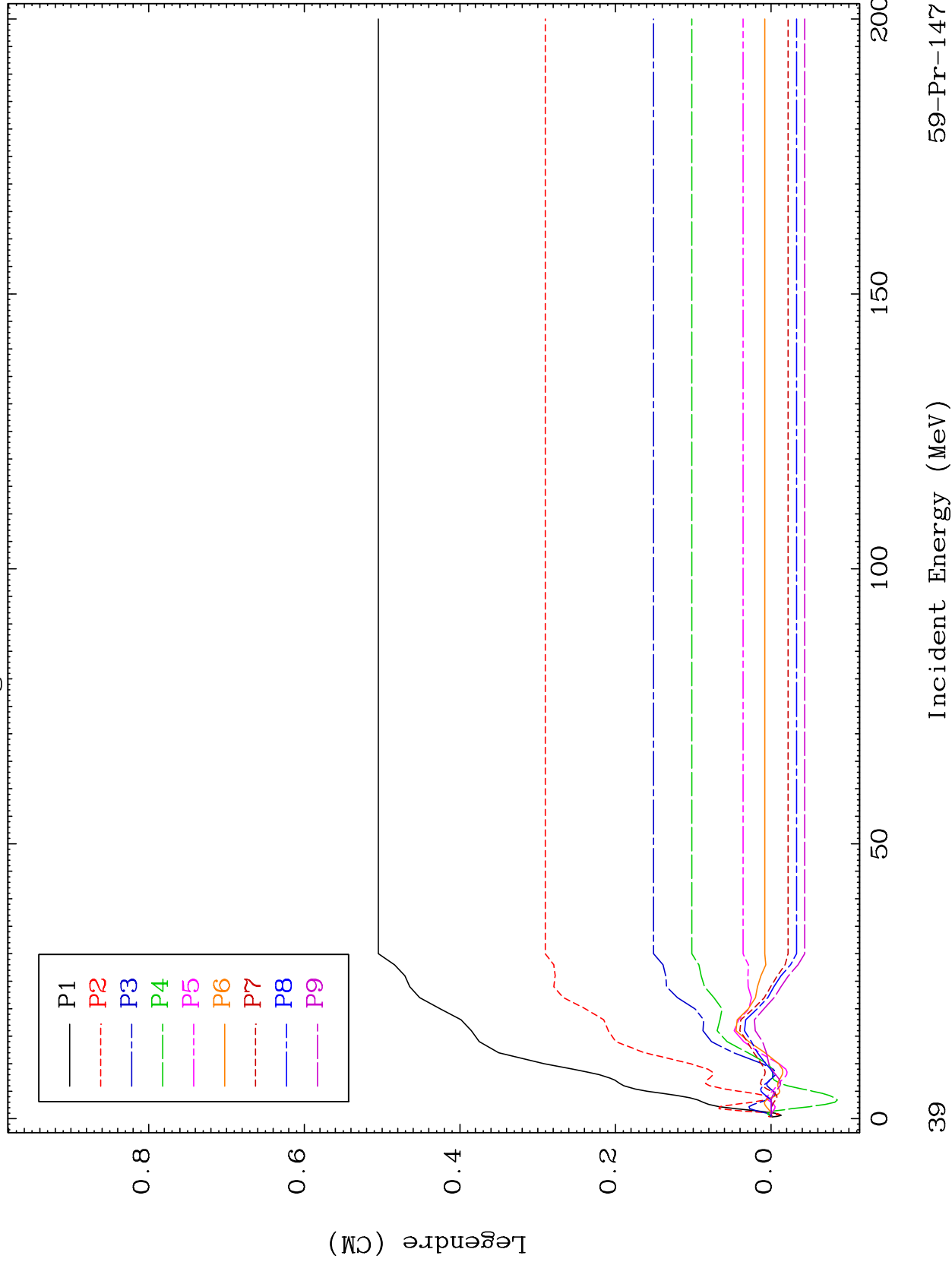




MAT 5943

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

59-Pr-147



59-Pr-147

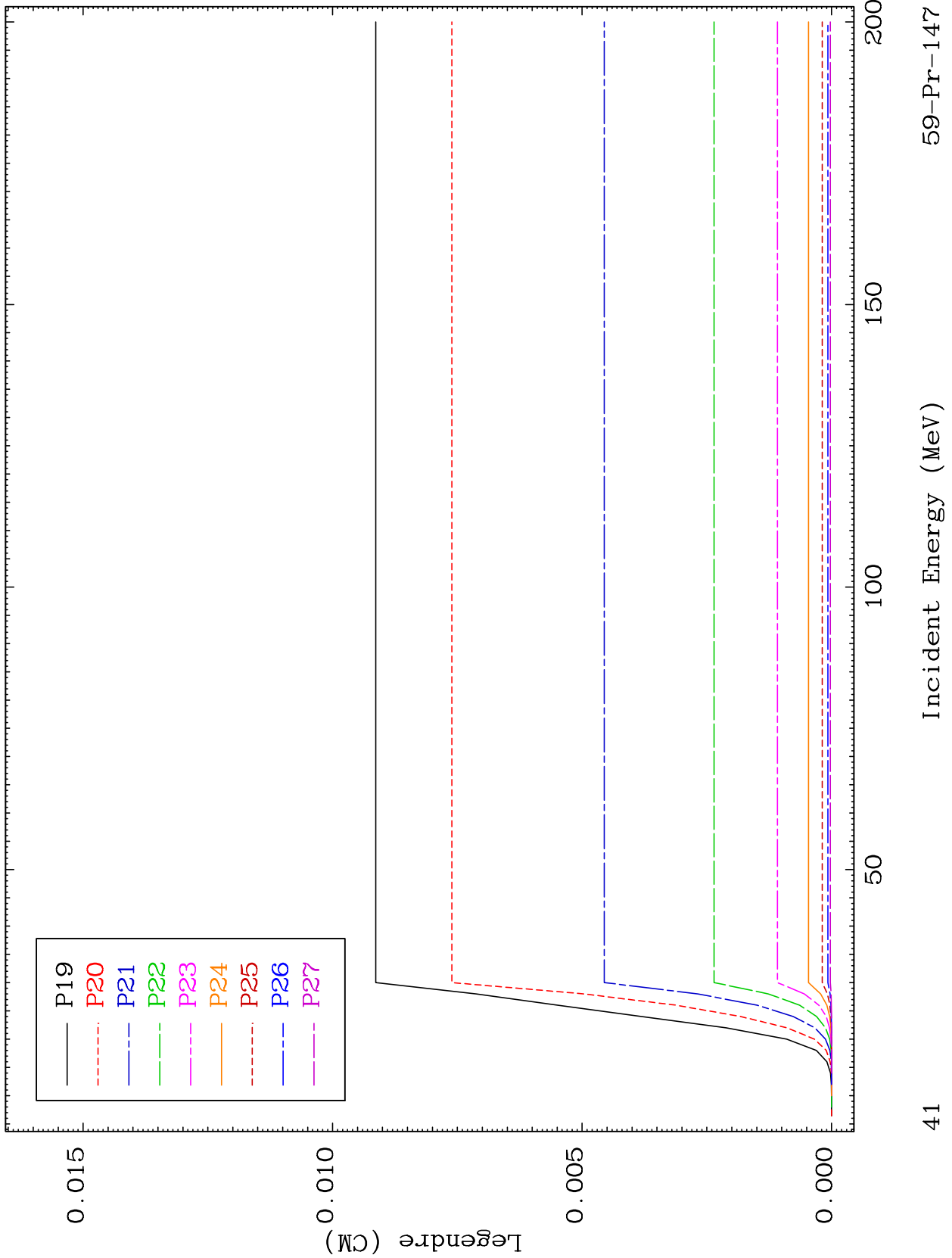
Incident Energy (MeV)

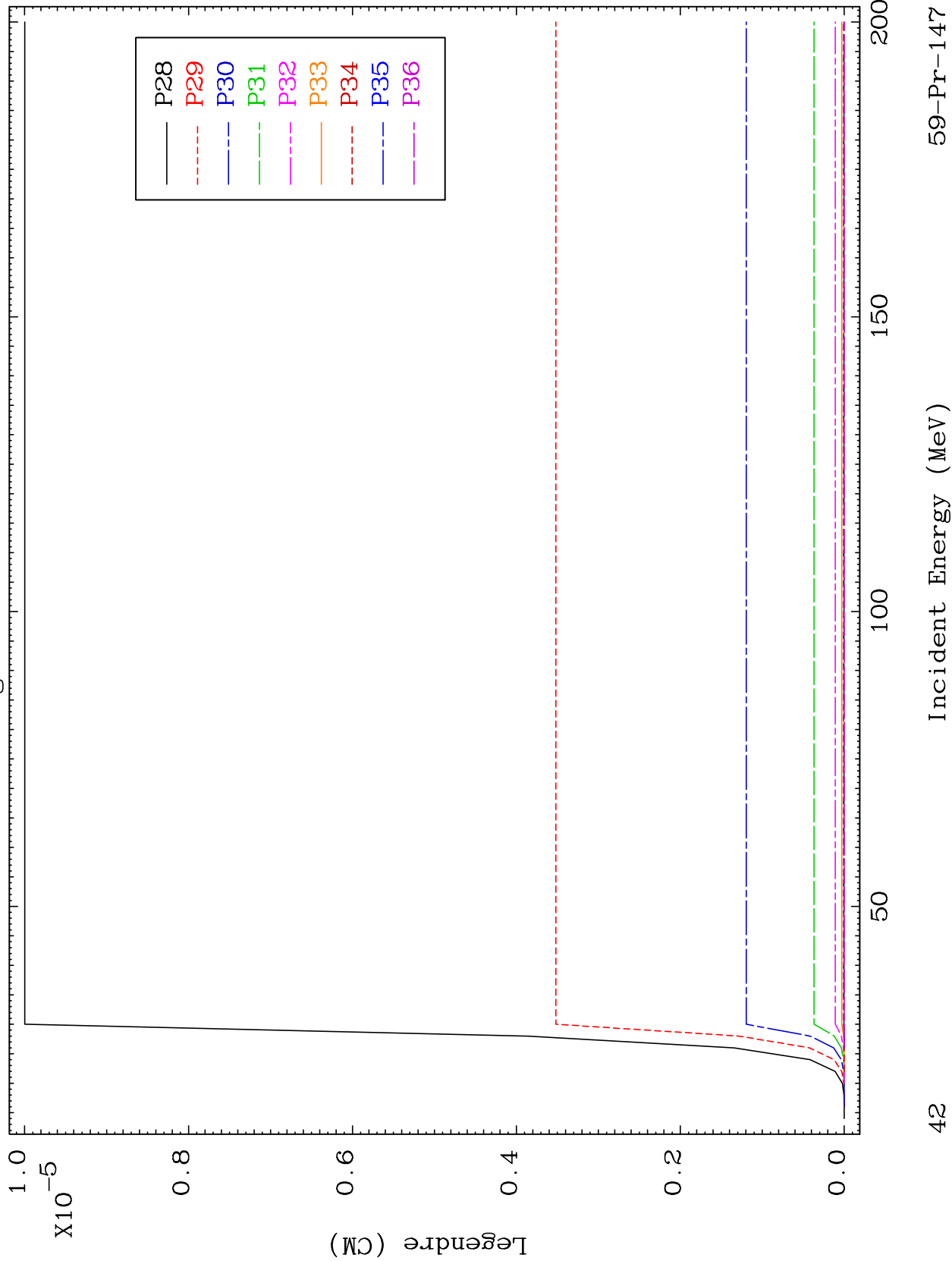
39

MAT 5943

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

59-Pr-147

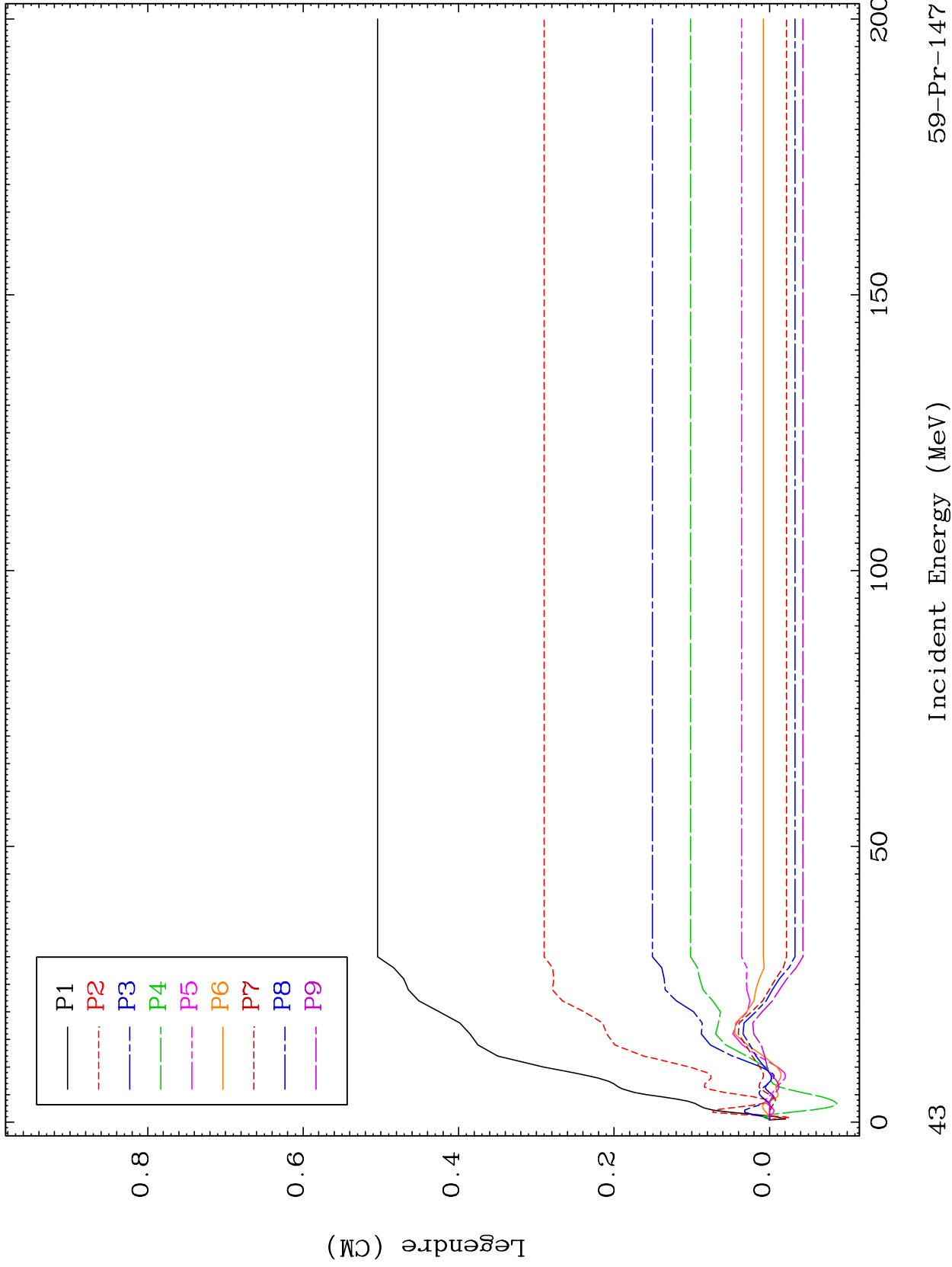




MAT 5943

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

59-Pr-147



43

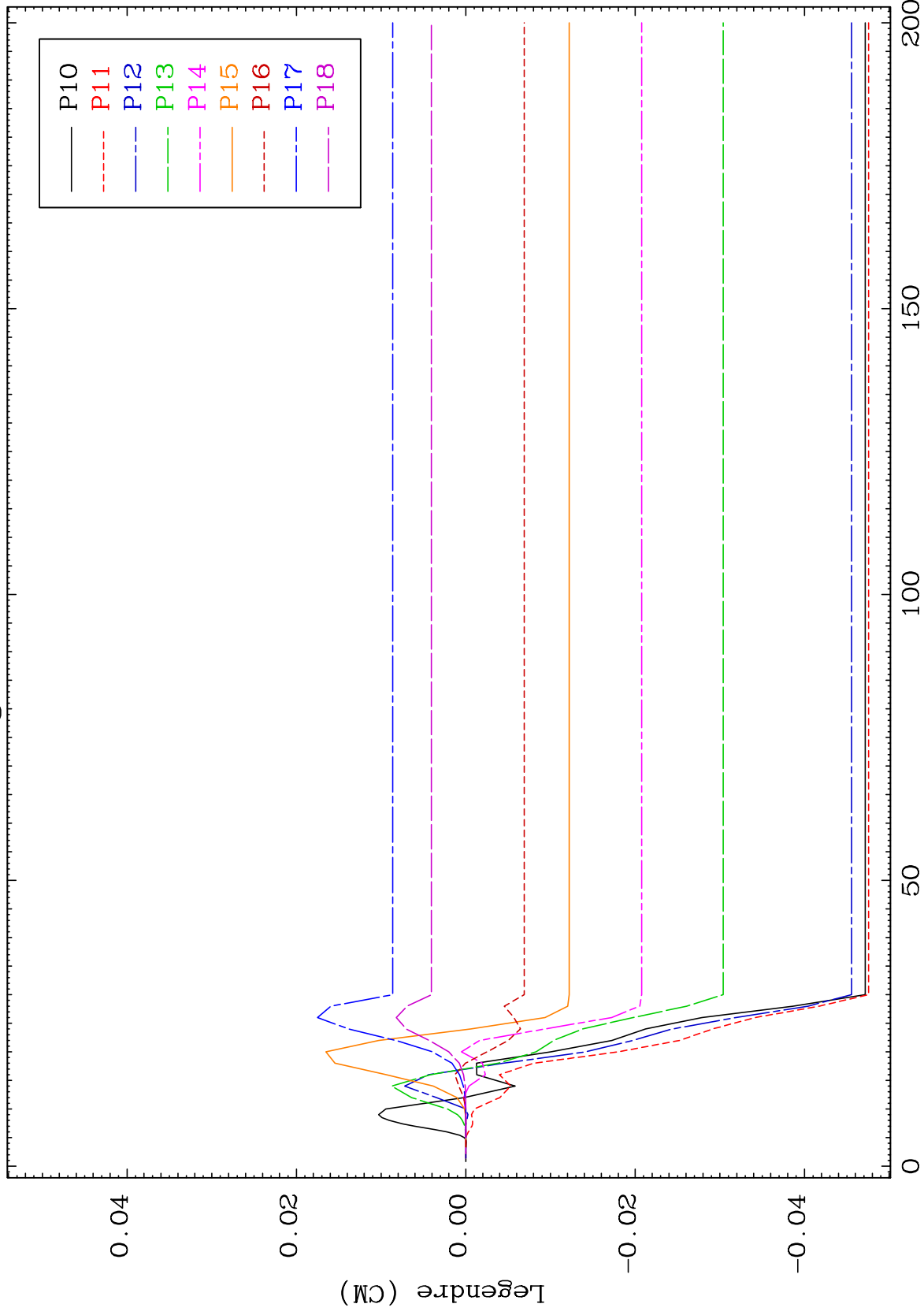
Incident Energy (MeV)

59-Pr-147

MAT 5943

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

59-Pr-147



44

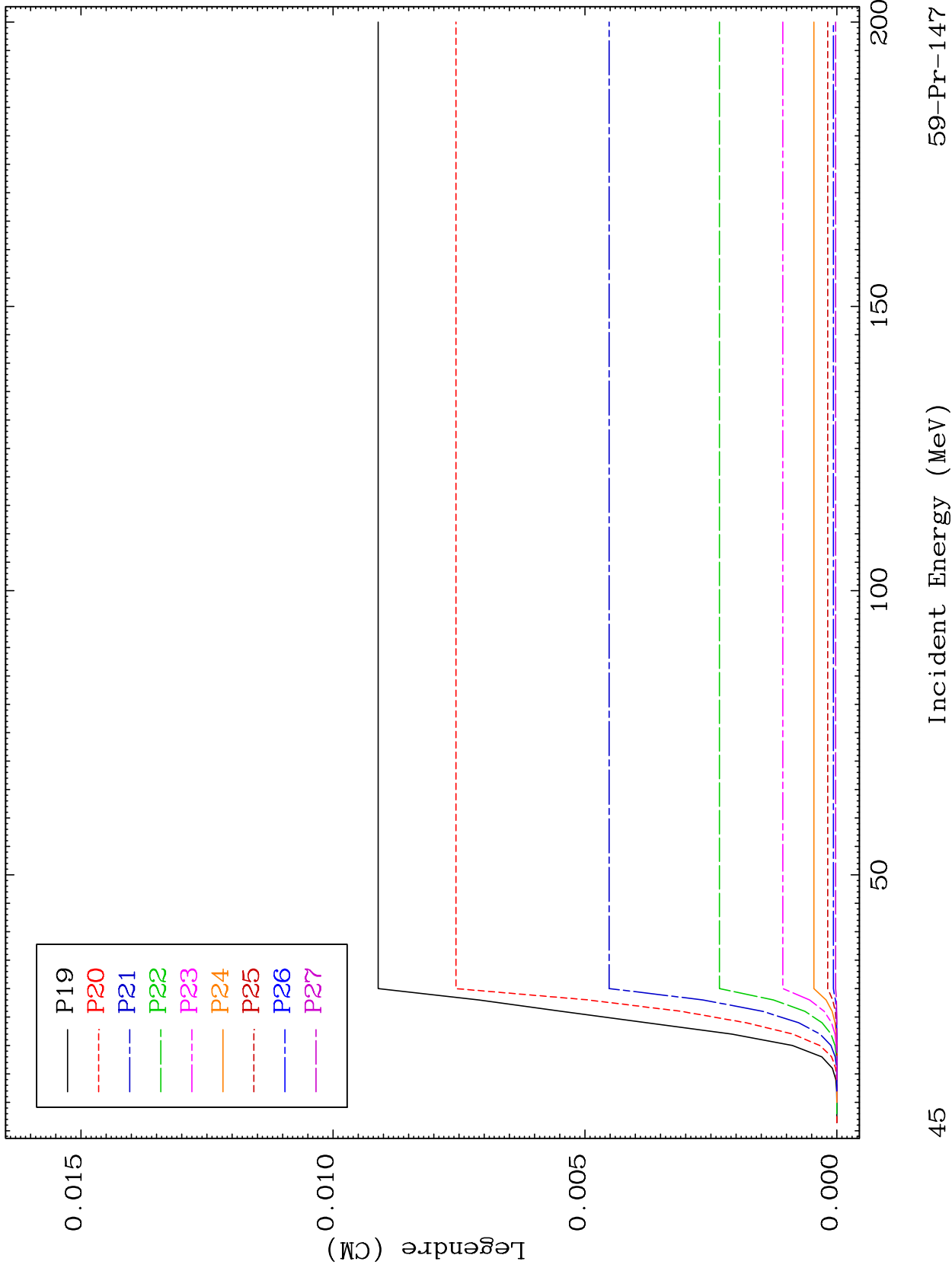
Incident Energy (MeV)

59-Pr-147

MAT 5943

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

59-Pr-147



45

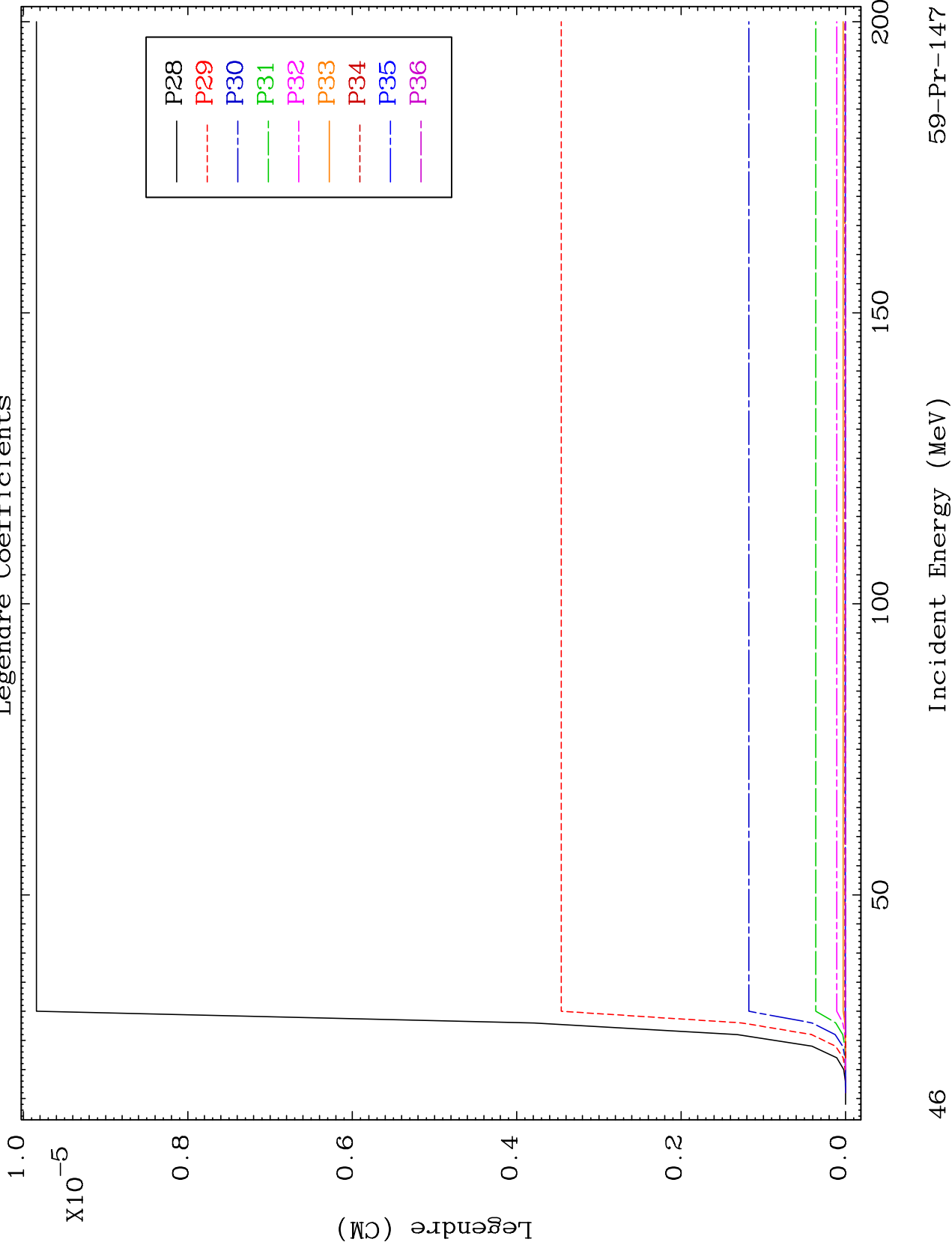
Incident Energy (MeV)

59-Pr-147

MAT 5943

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

59-Pr-147



46

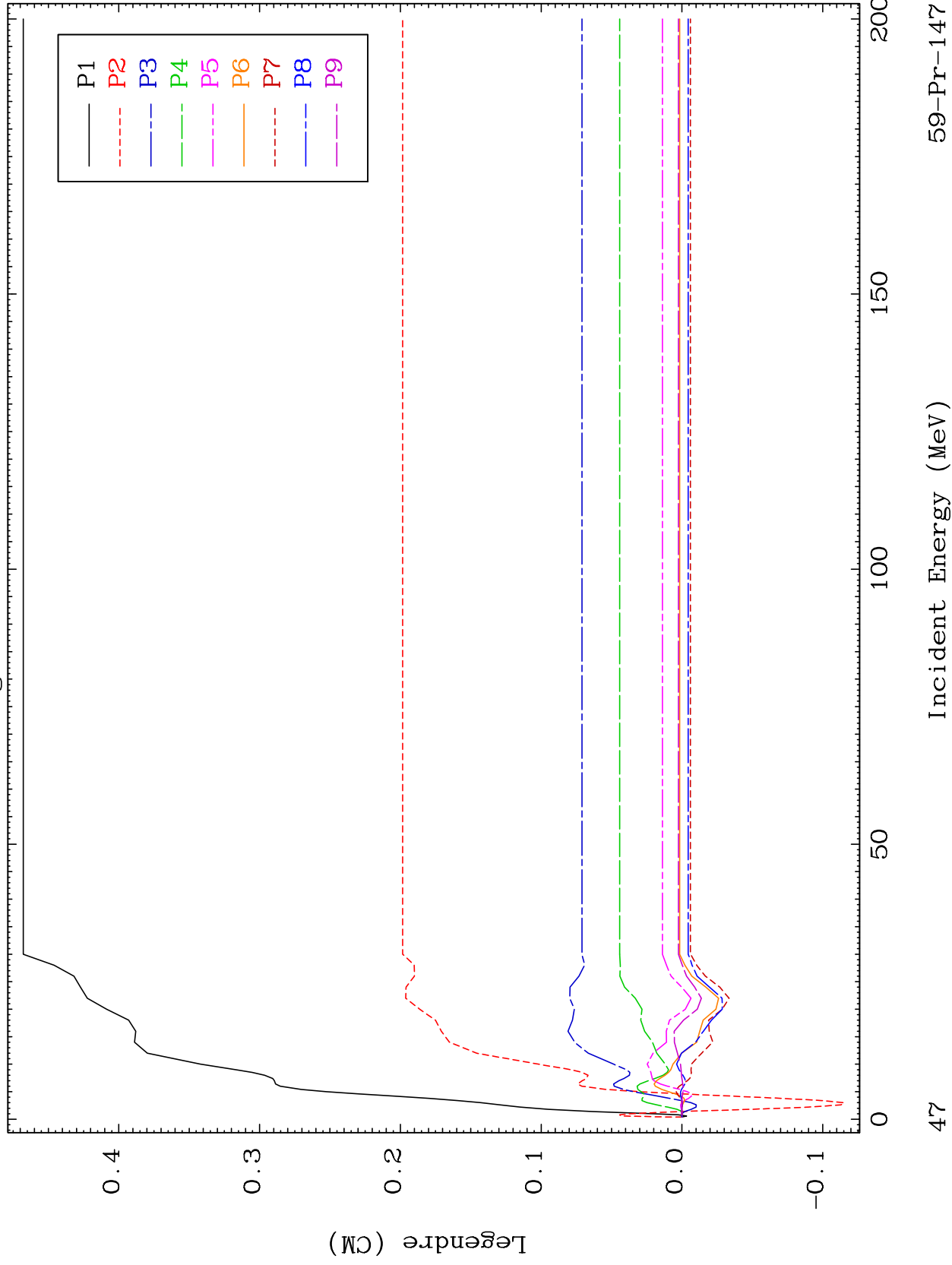
Incident Energy (MeV)

59-Pr-147

MAT 5943

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

59-Pr-147



59-Pr-147

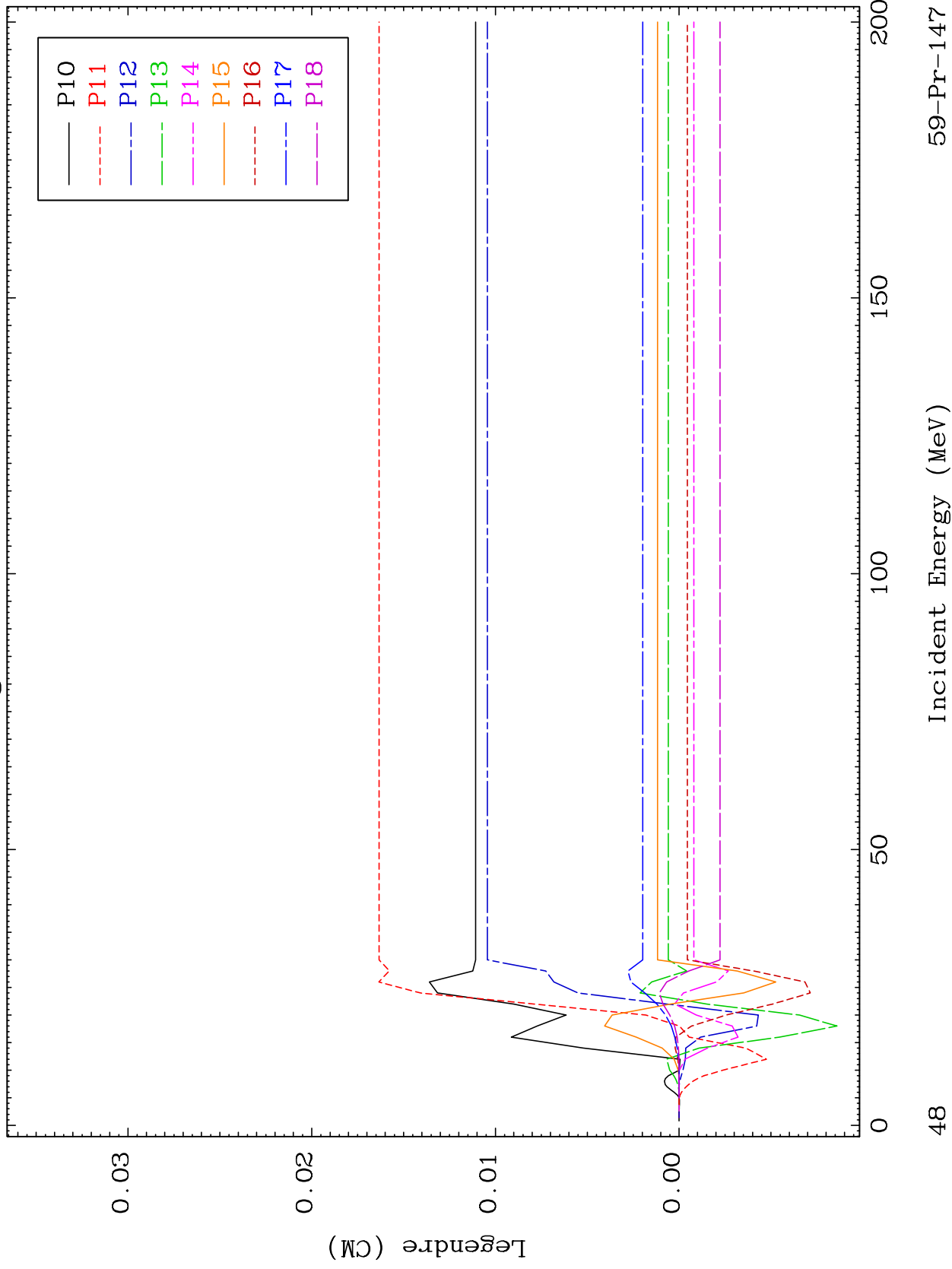
Incident Energy (MeV)

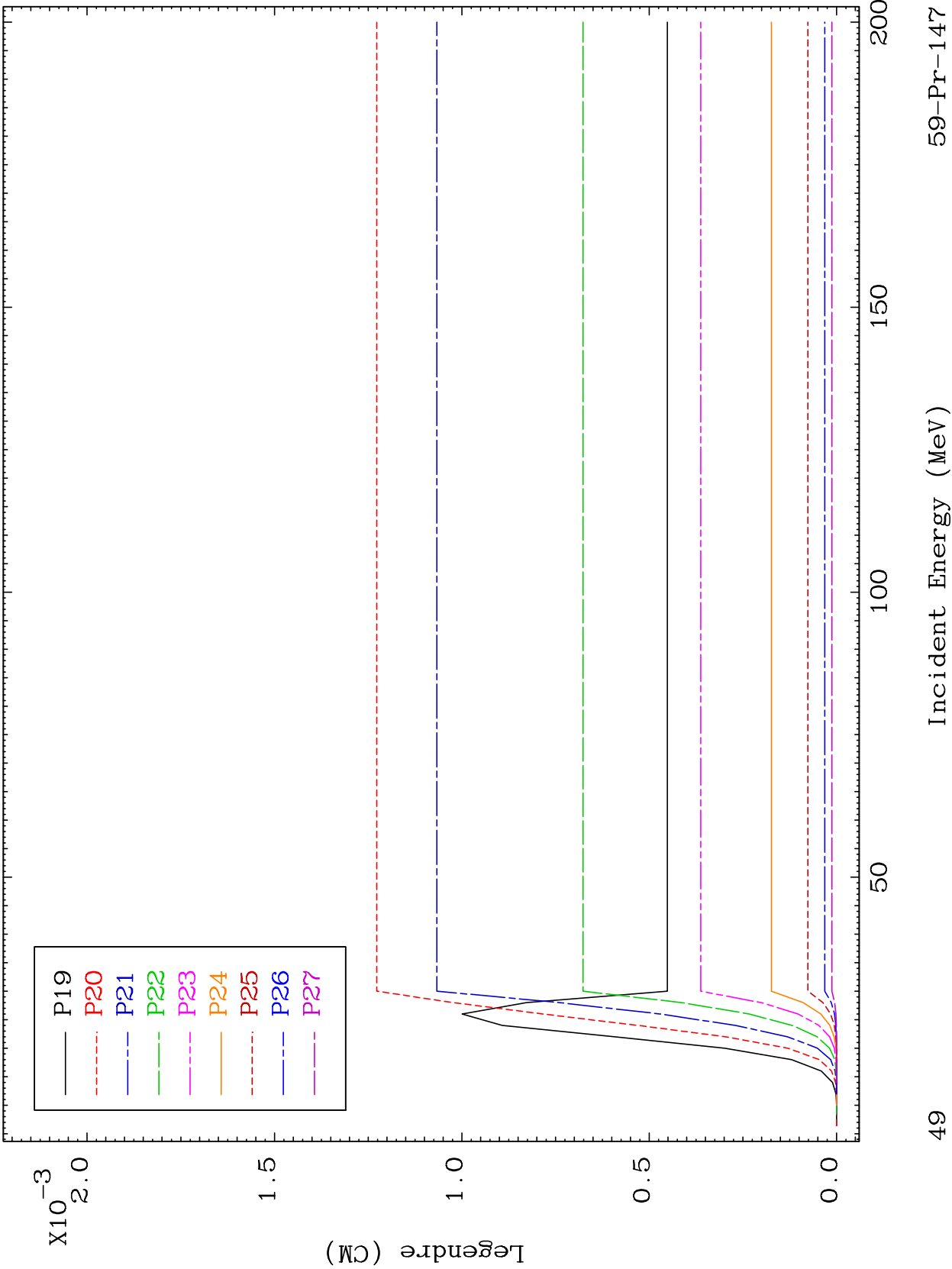
47

MAT 5943

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

59-Pr-147

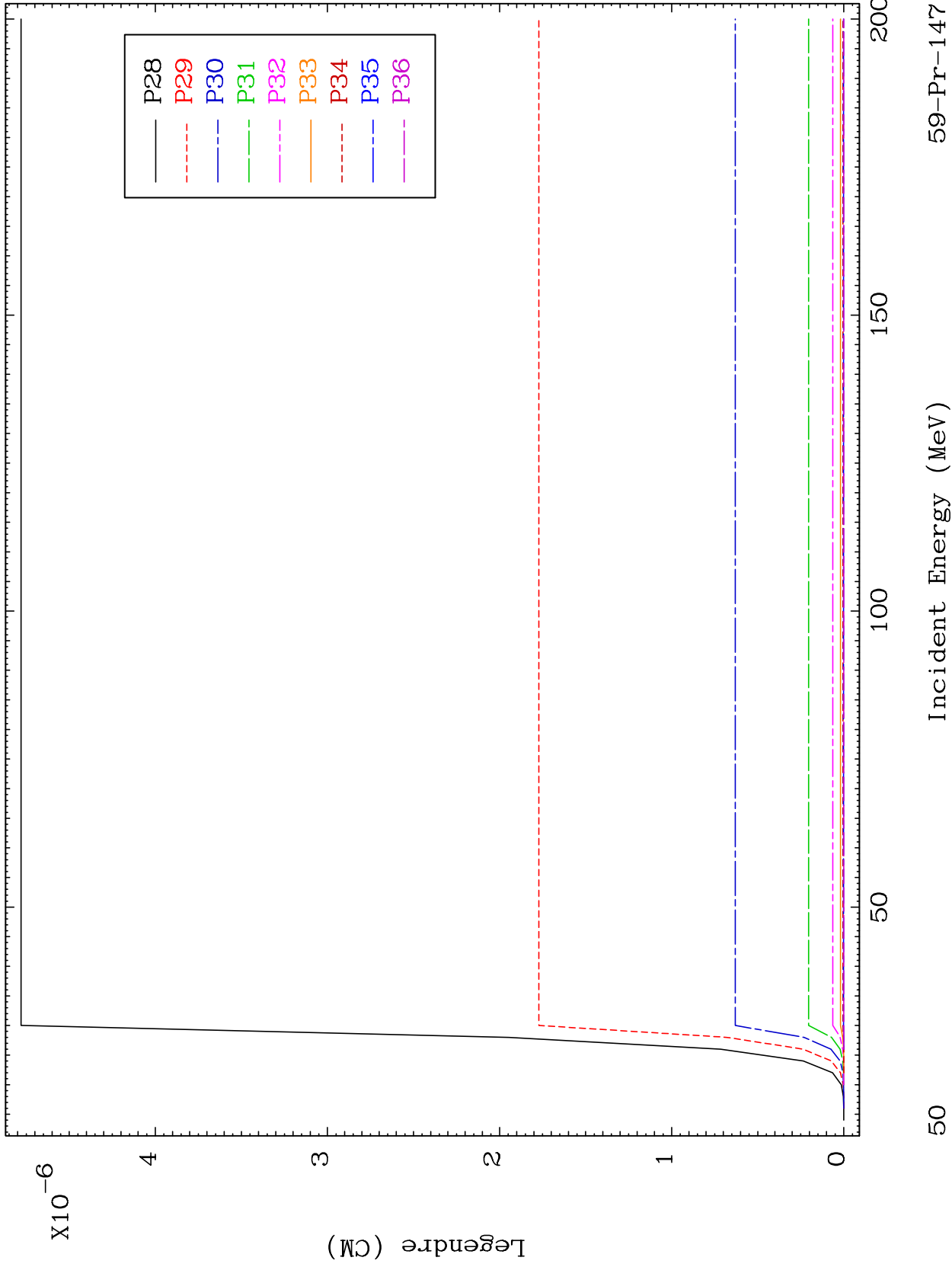




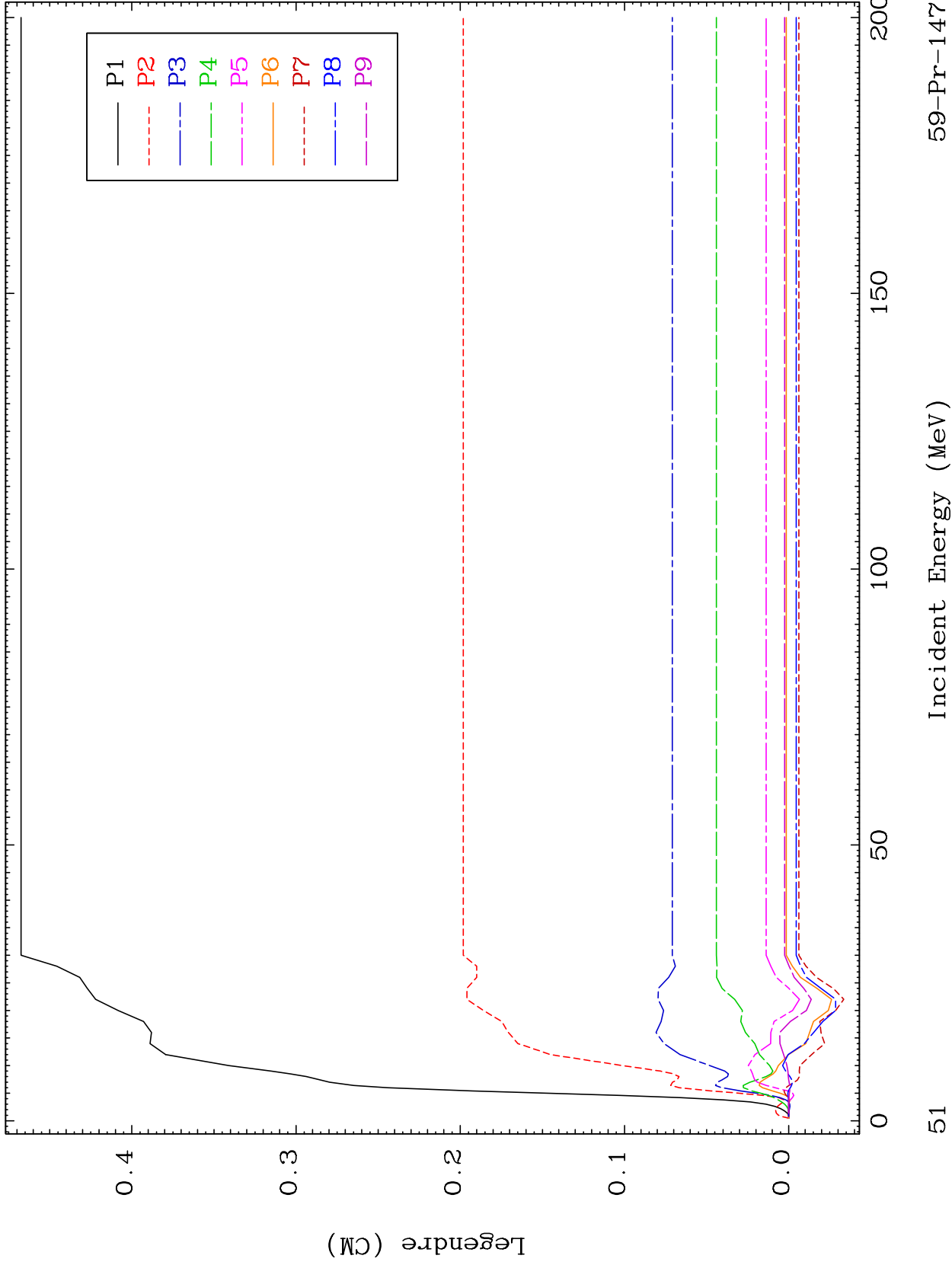
MAT 5943

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

59-Pr-147



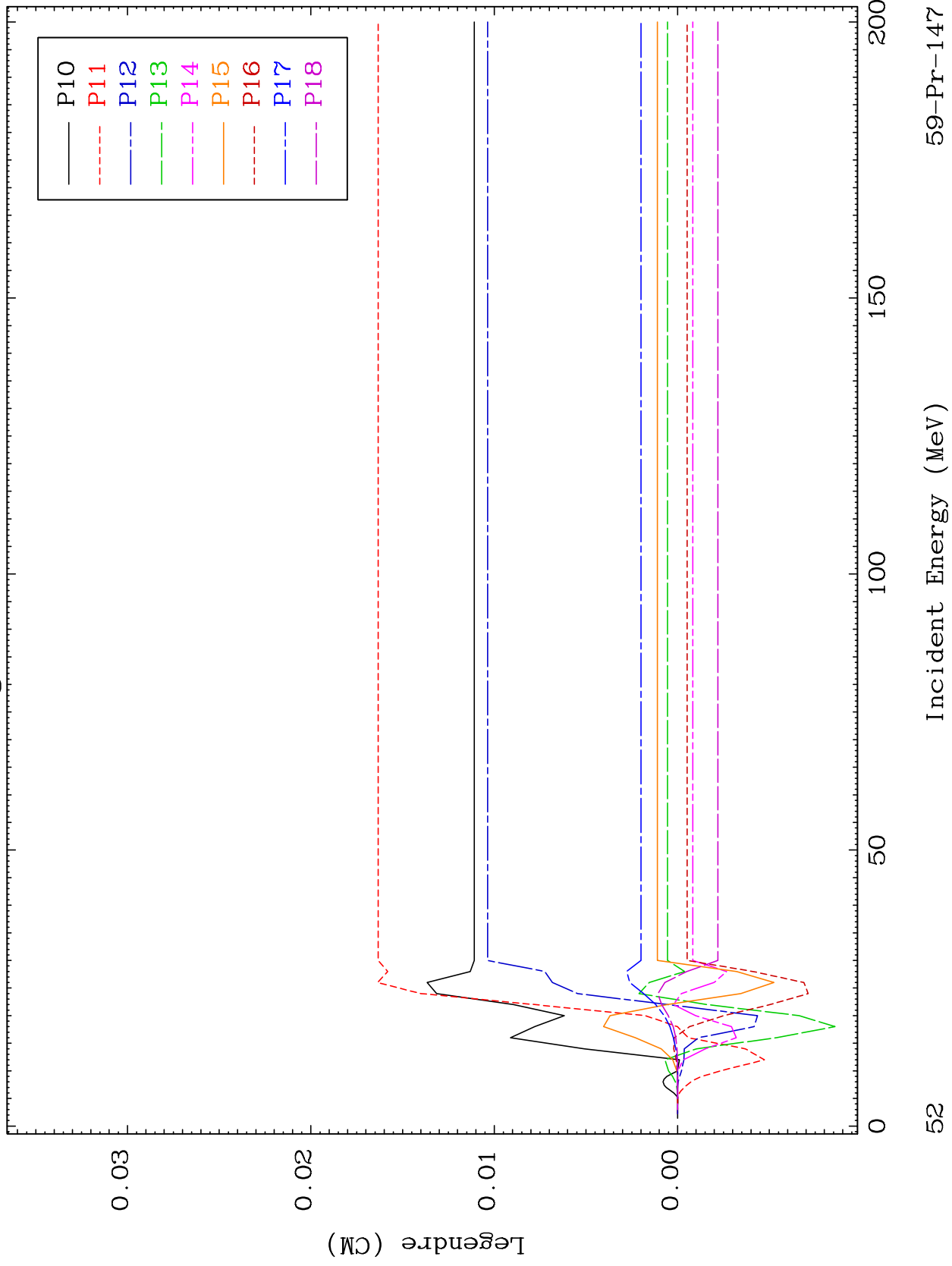
59-Pr-147



MAT 5943

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

59-Pr-147



59-Pr-147

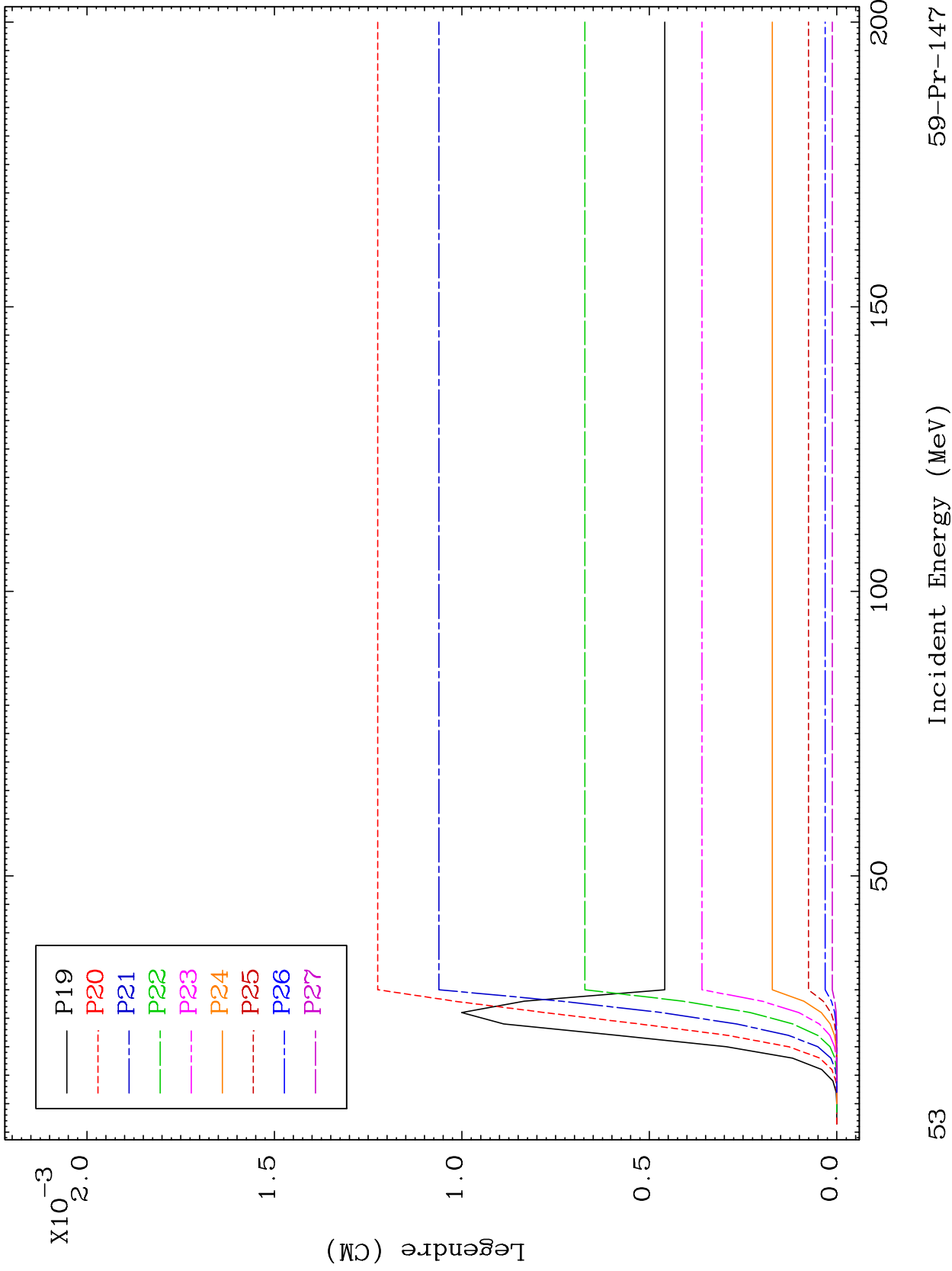
Incident Energy (MeV)

52

MAT 5943

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

59-Pr-147



53

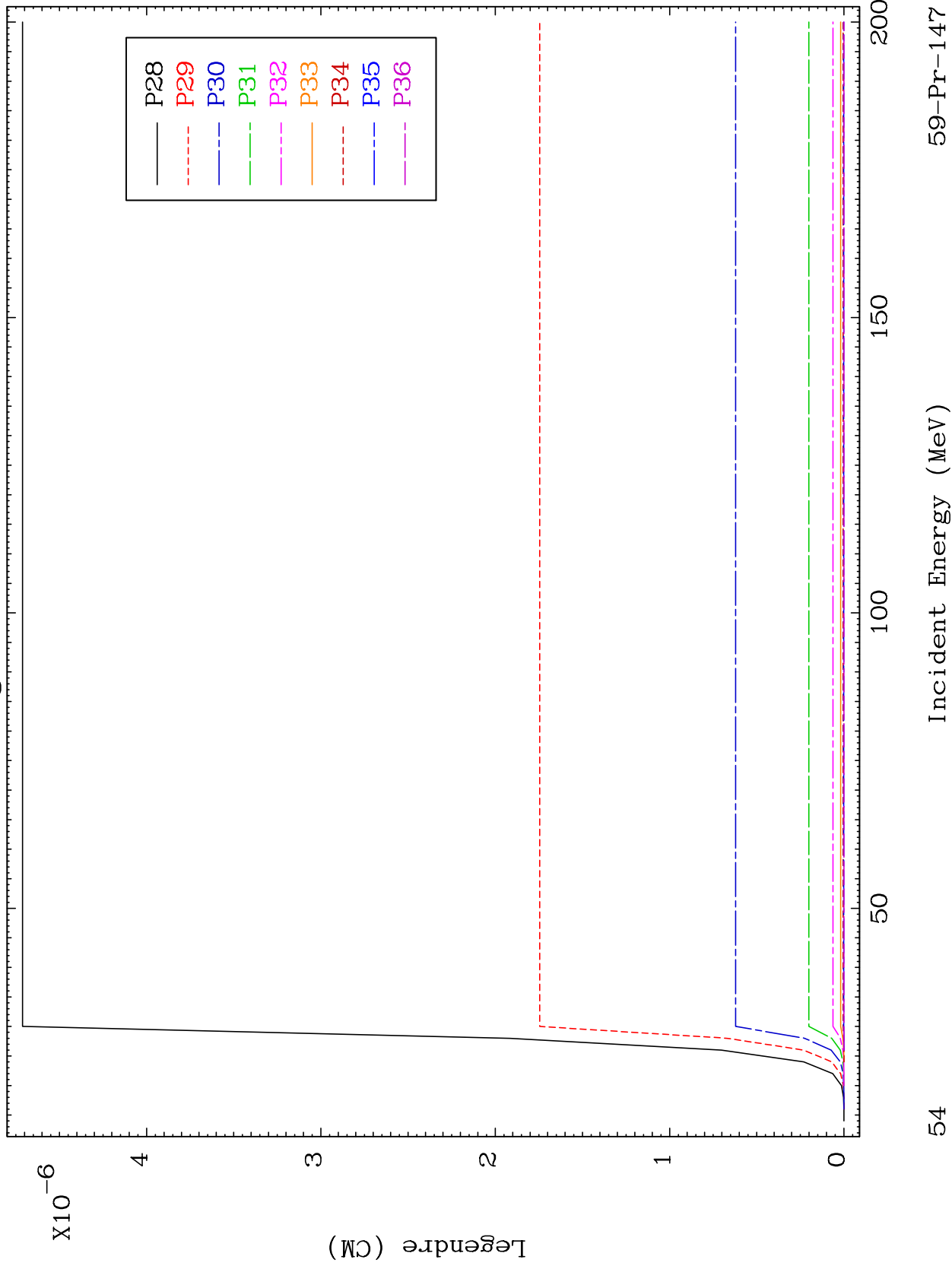
Incident Energy (MeV)

59-Pr-147

MAT 5943

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

59-Pr-147



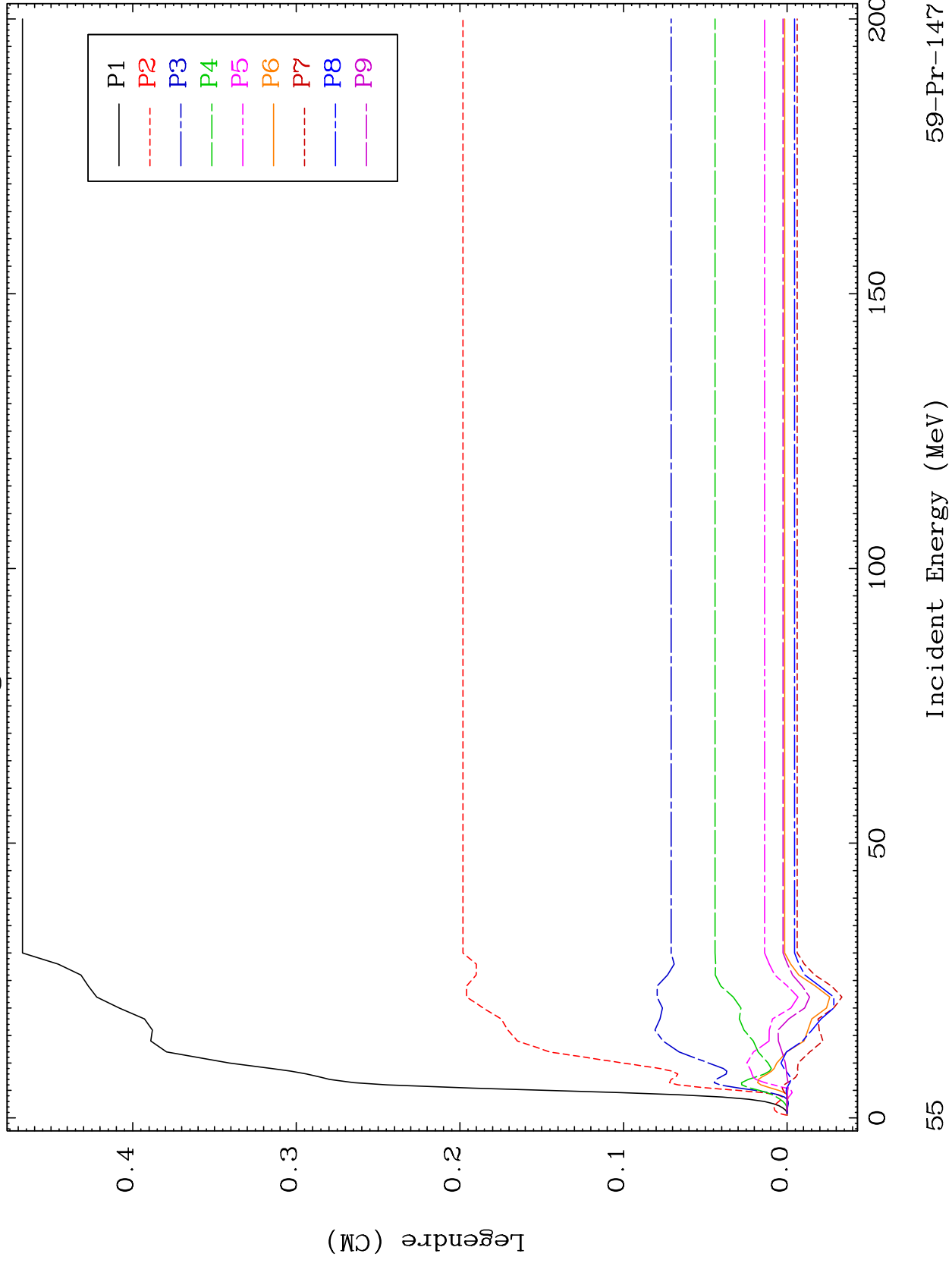
54

59-Pr-147

MAT 5943

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

59-Pr-147



59-Pr-147

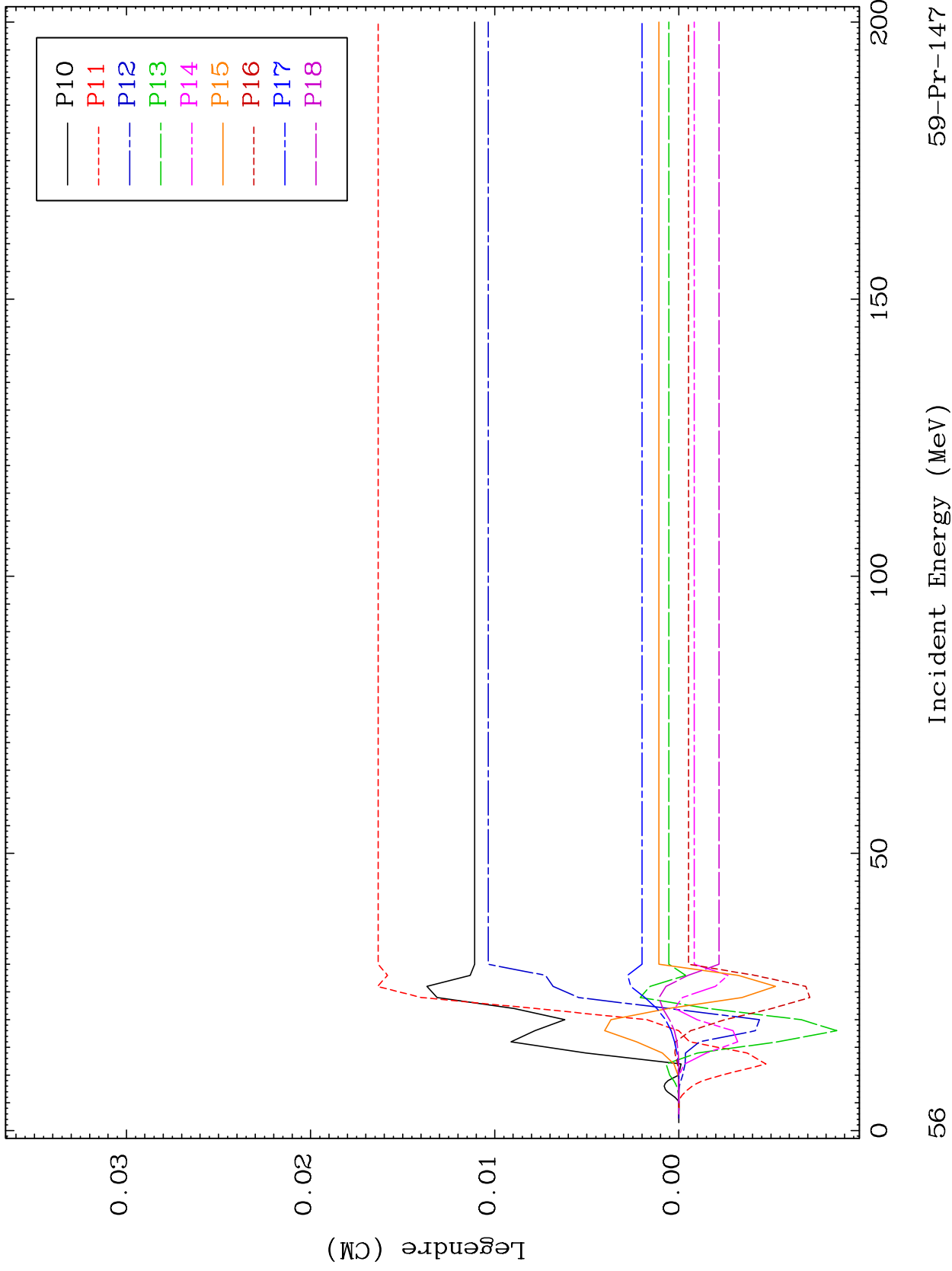
Incident Energy (MeV)

55

MAT 5943

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

59-Pr-147



59-Pr-147

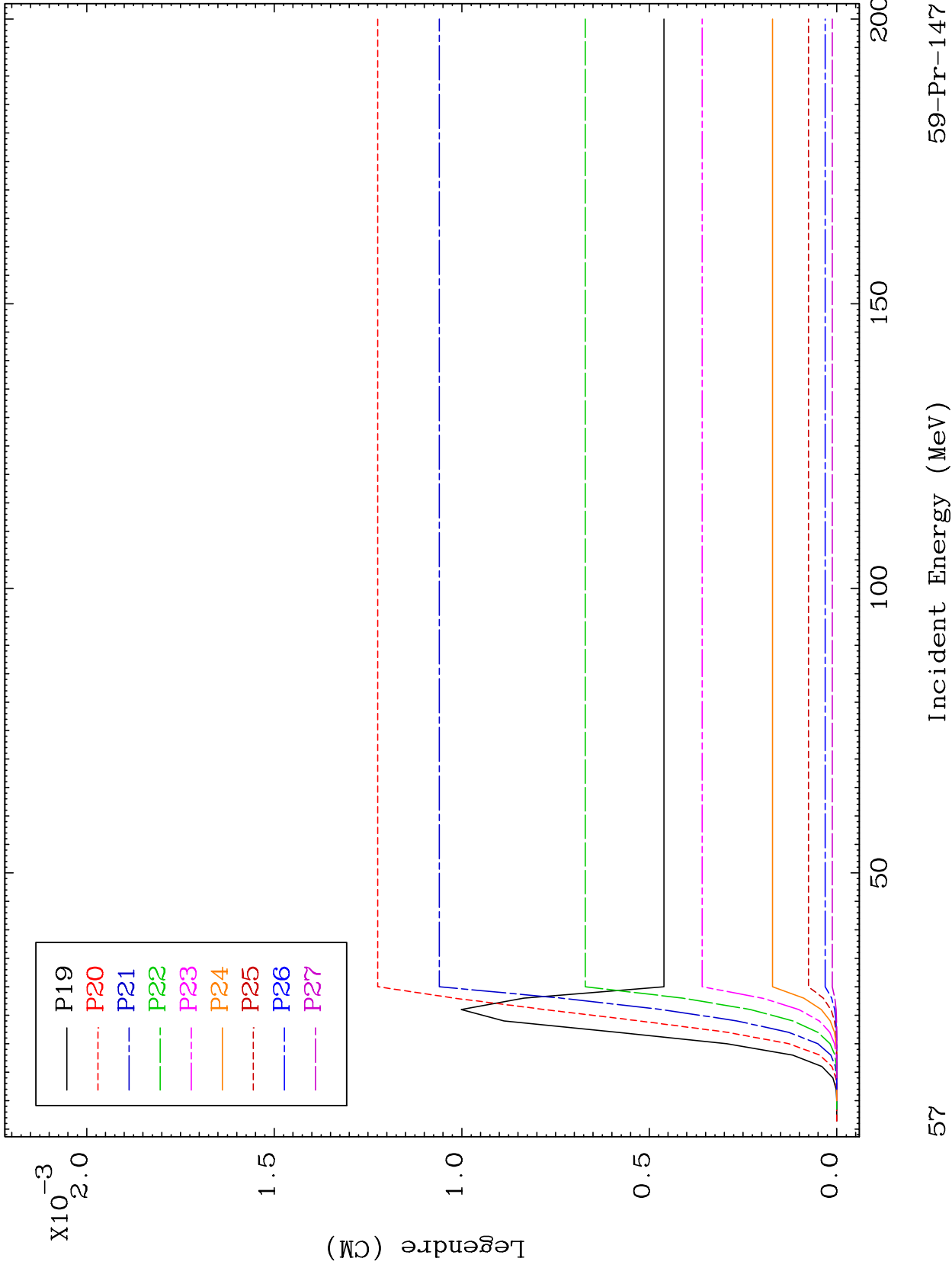
Incident Energy (MeV)

56

MAT 5943

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

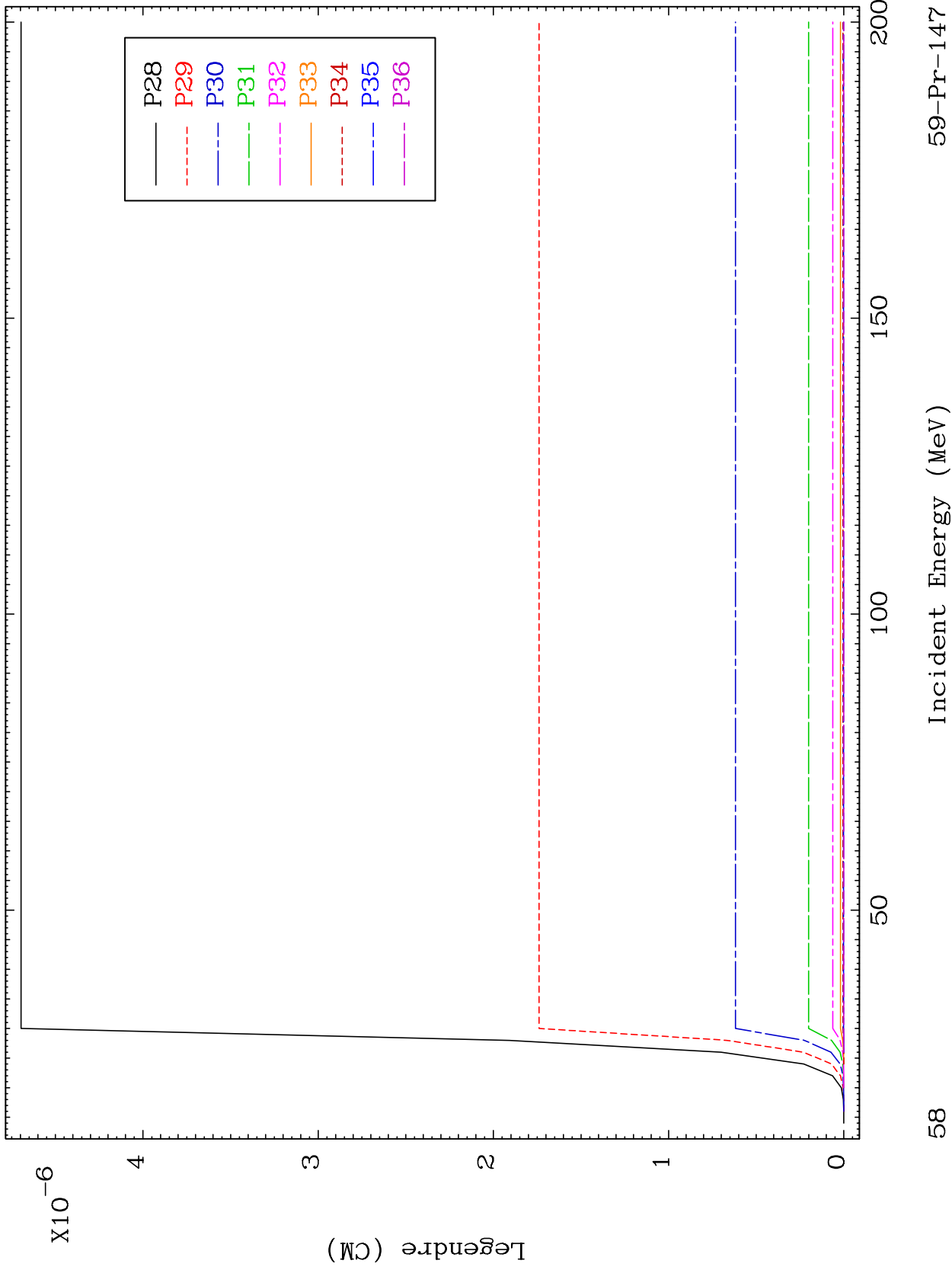
59-Pr-147



MAT 5943

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

59-Pr-147



58

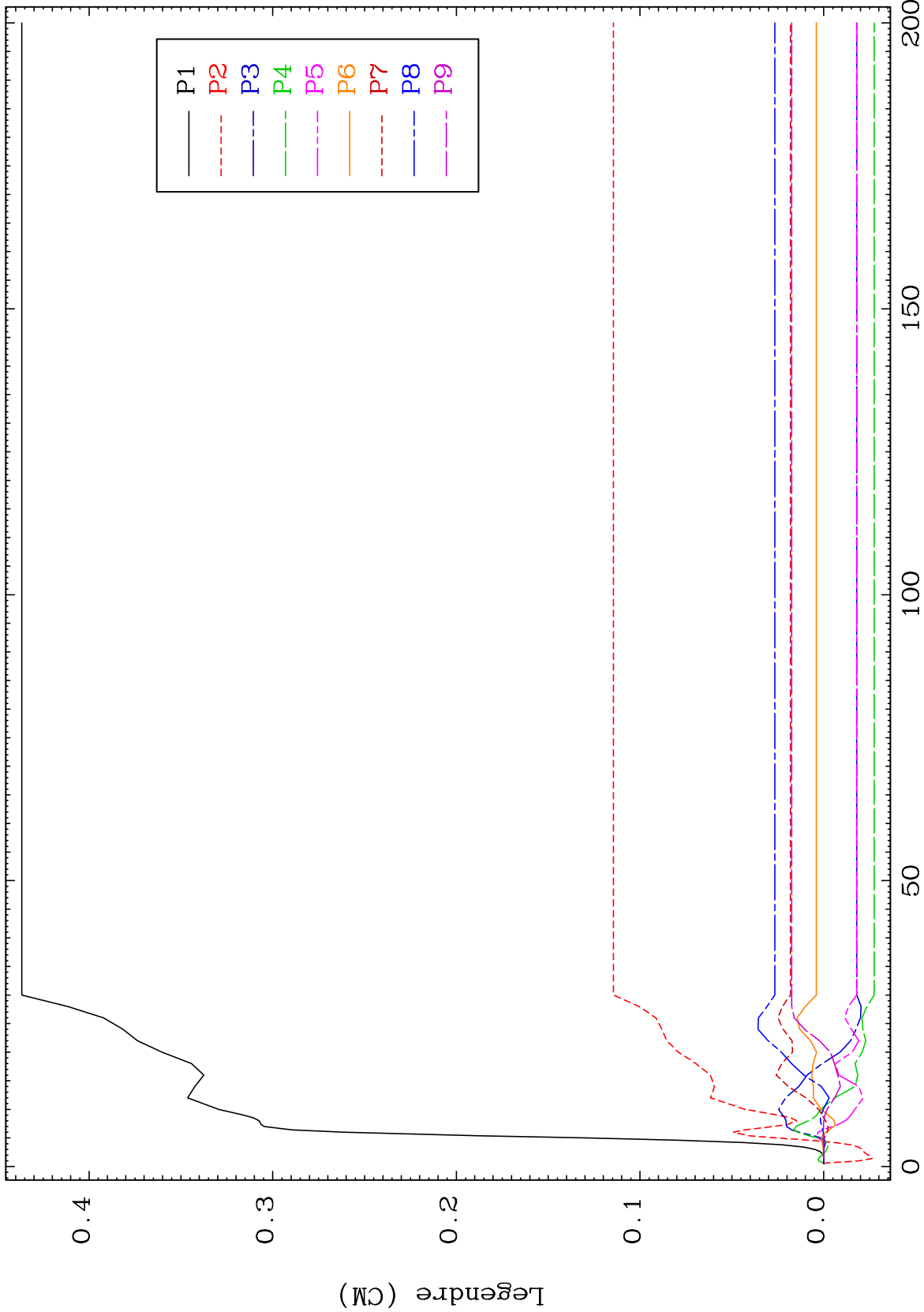
Incident Energy (MeV)

59-Pr-147

MAT 5943

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

59-Pr-147



59

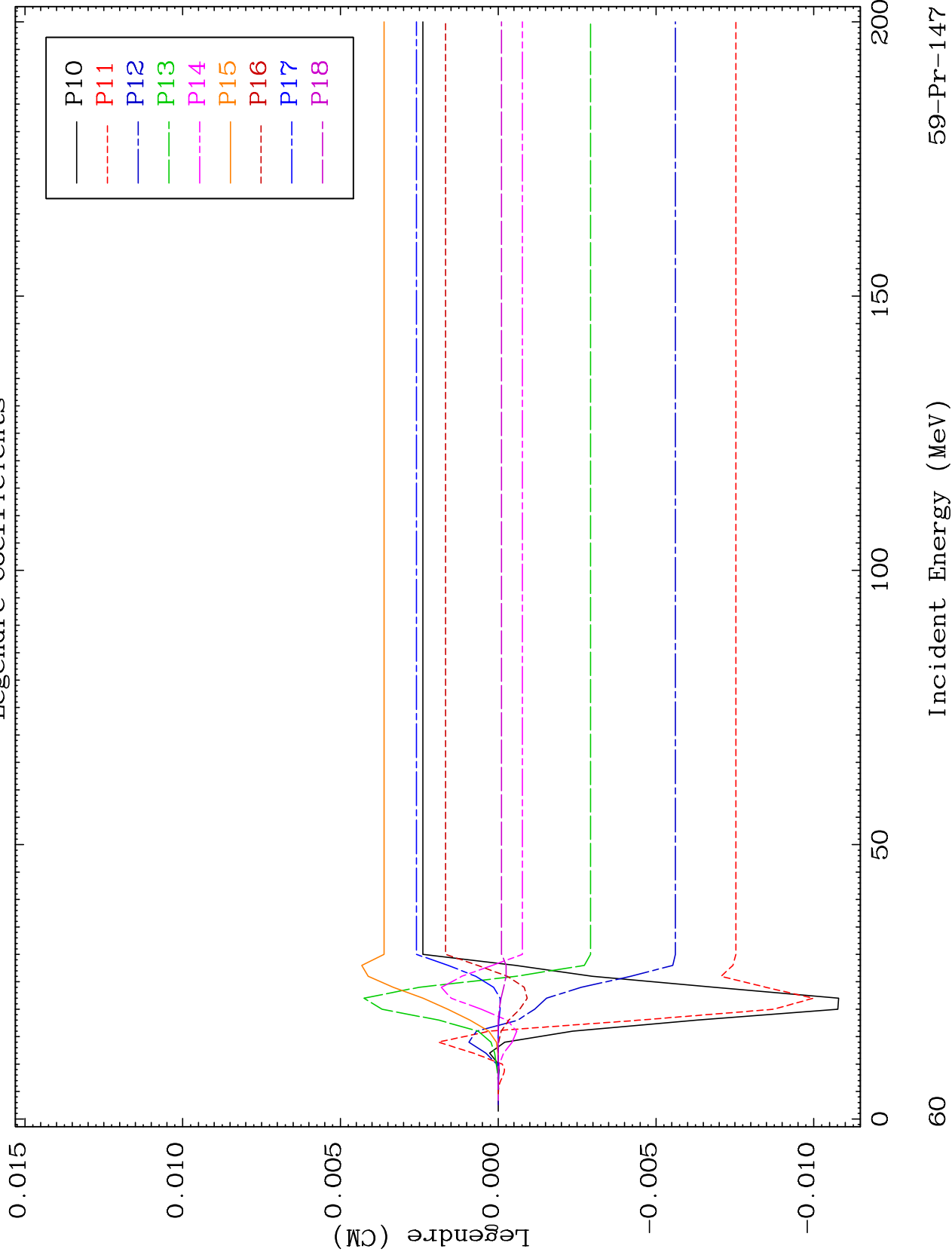
Incident Energy (MeV)

59-Pr-147

MAT 5943

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

59-Pr-147



59-Pr-147

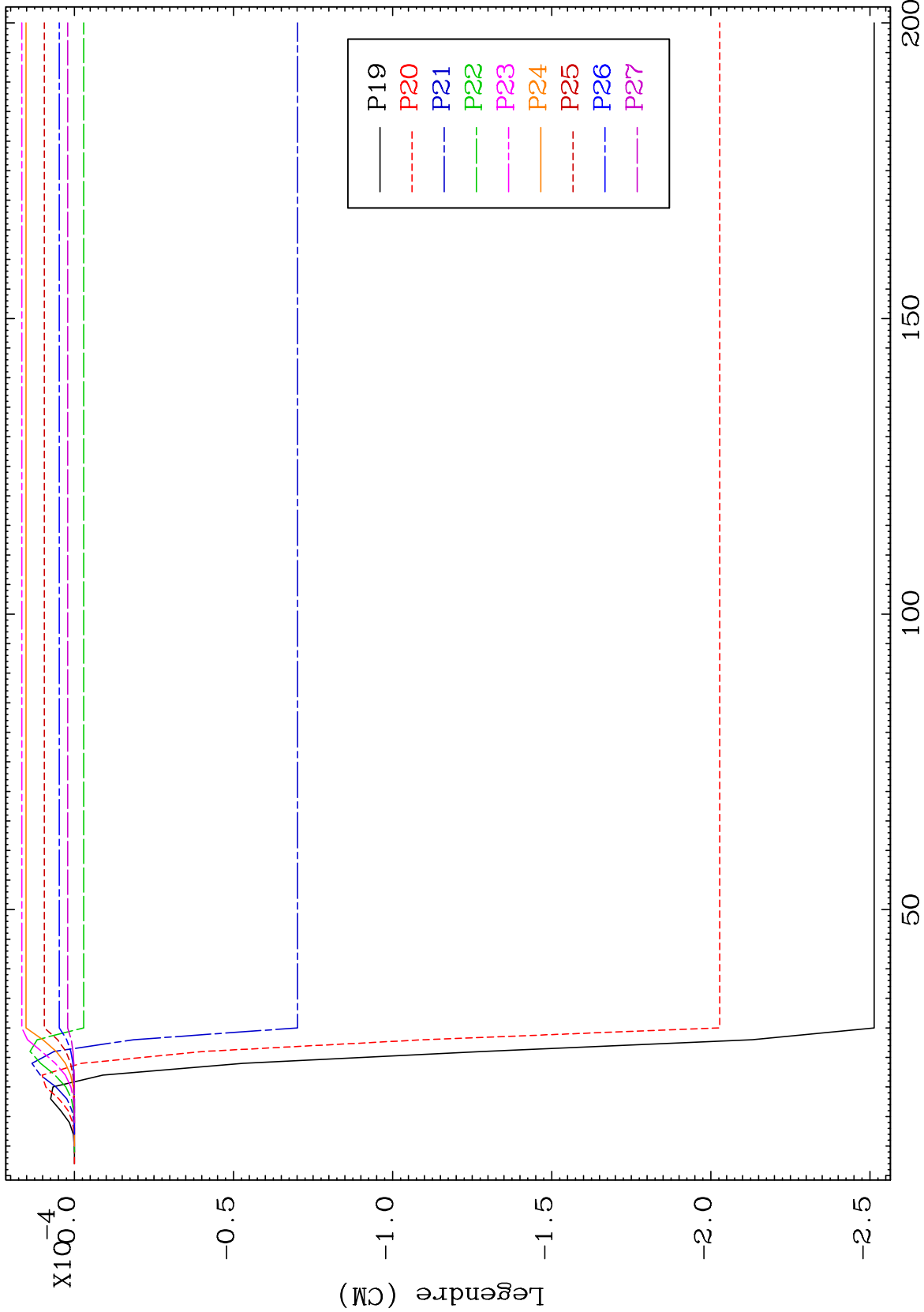
Incident Energy (MeV)

60

MAT 5943

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

59-Pr-147



61

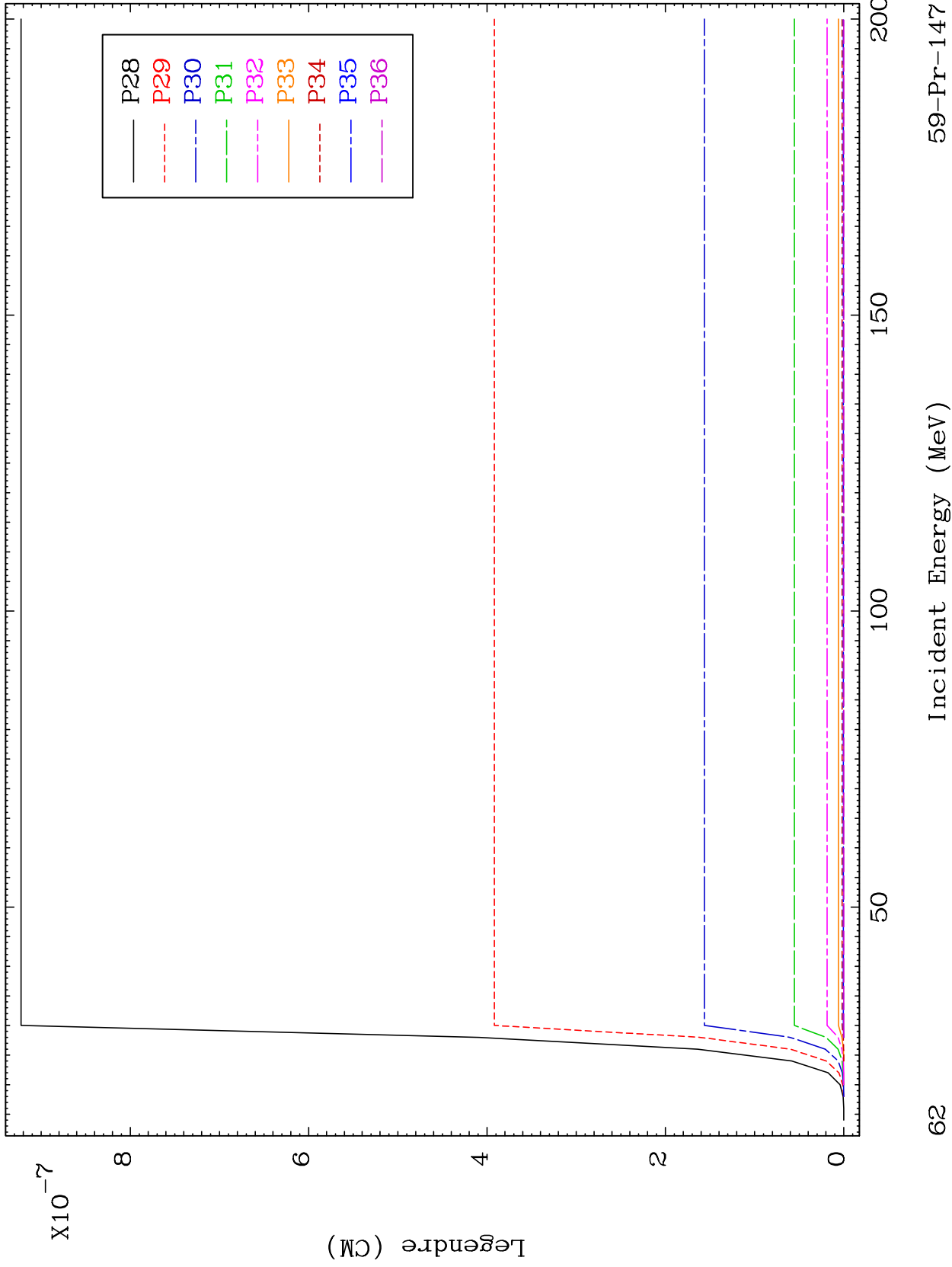
Incident Energy (MeV)

59-Pr-147

MAT 5943

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

59-Pr-147



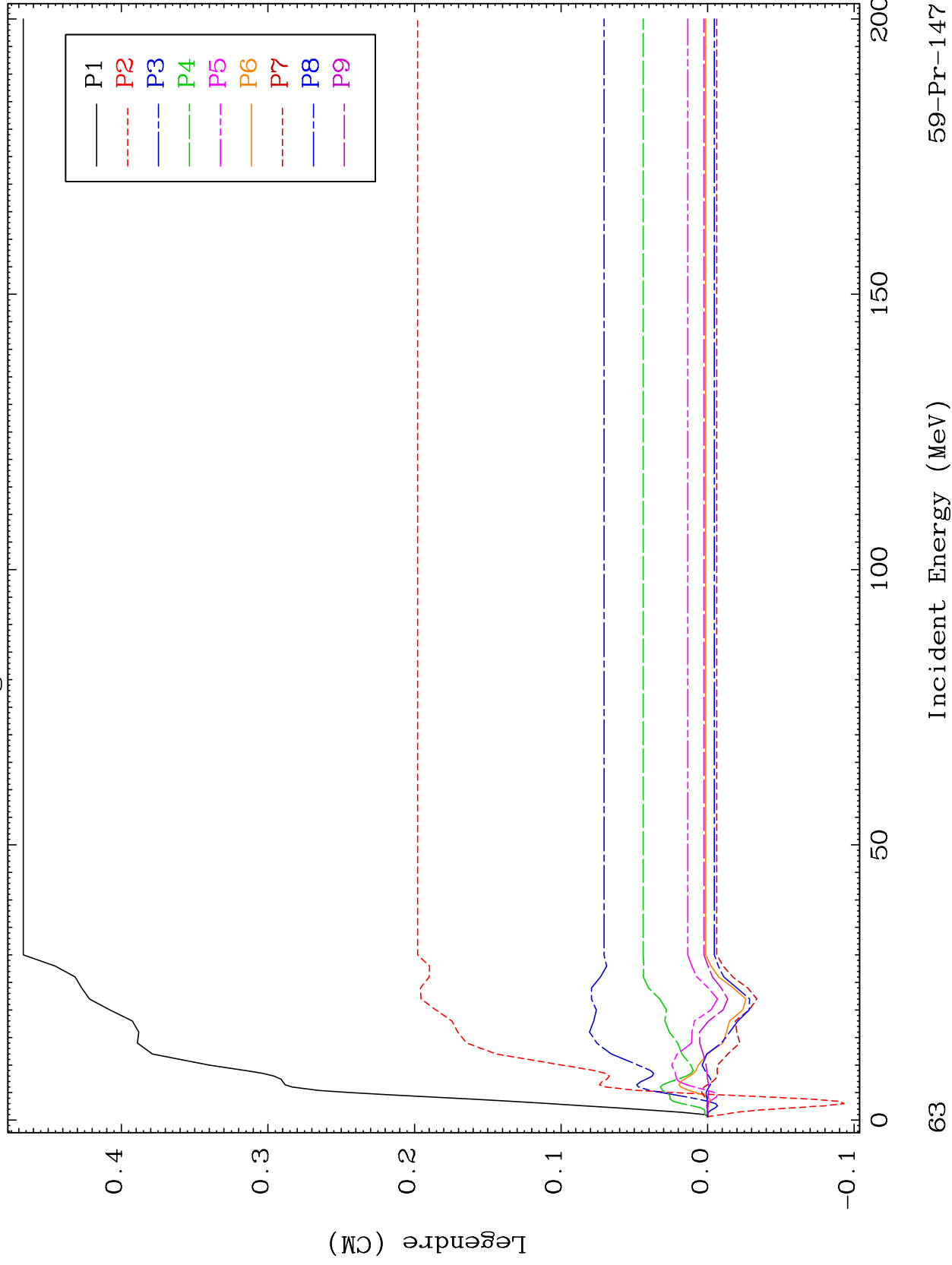
62

59-Pr-147

MAT 5943

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

59-Pr-147



59-Pr-147

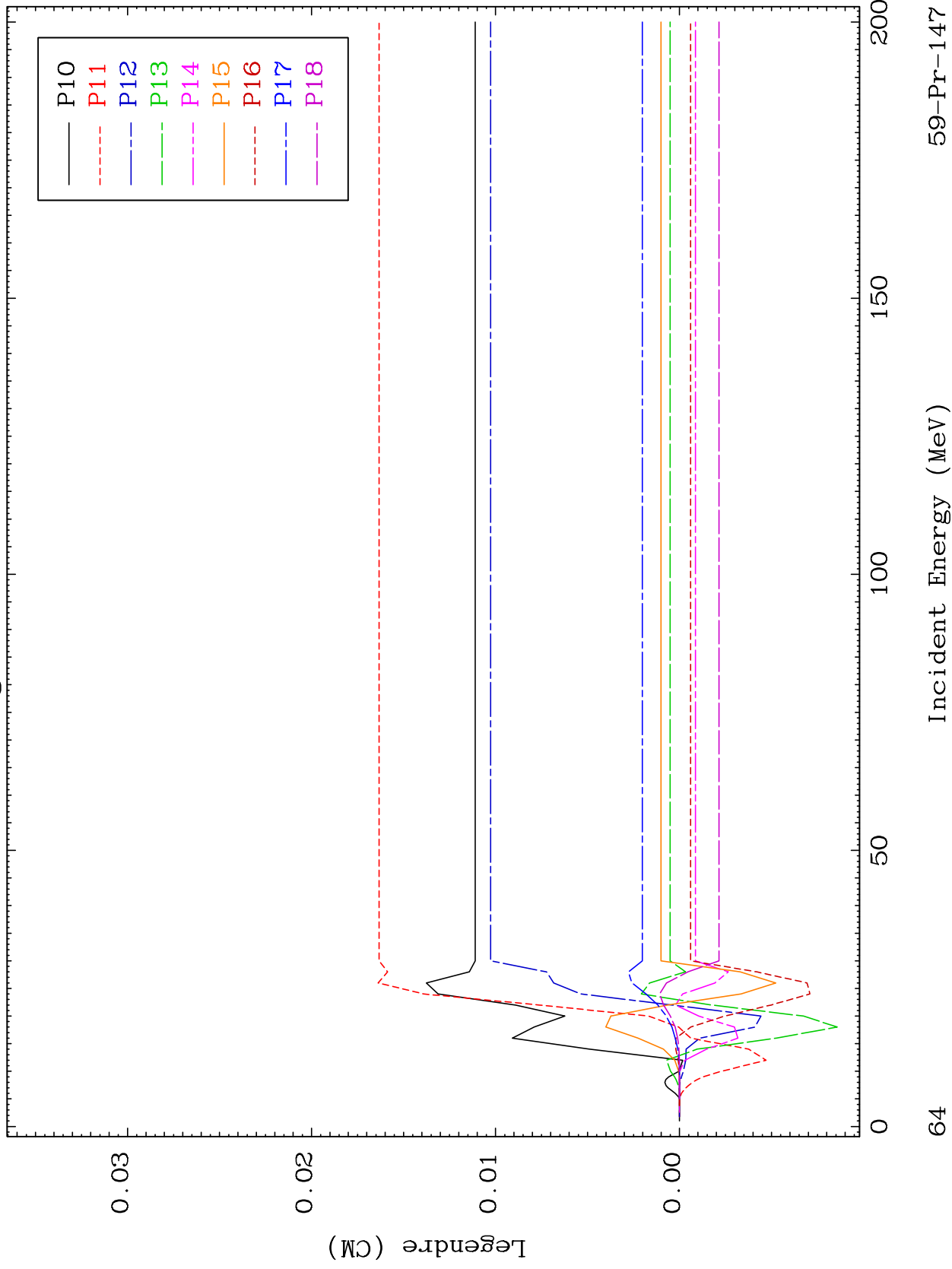
Incident Energy (MeV)

63

MAT 5943

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

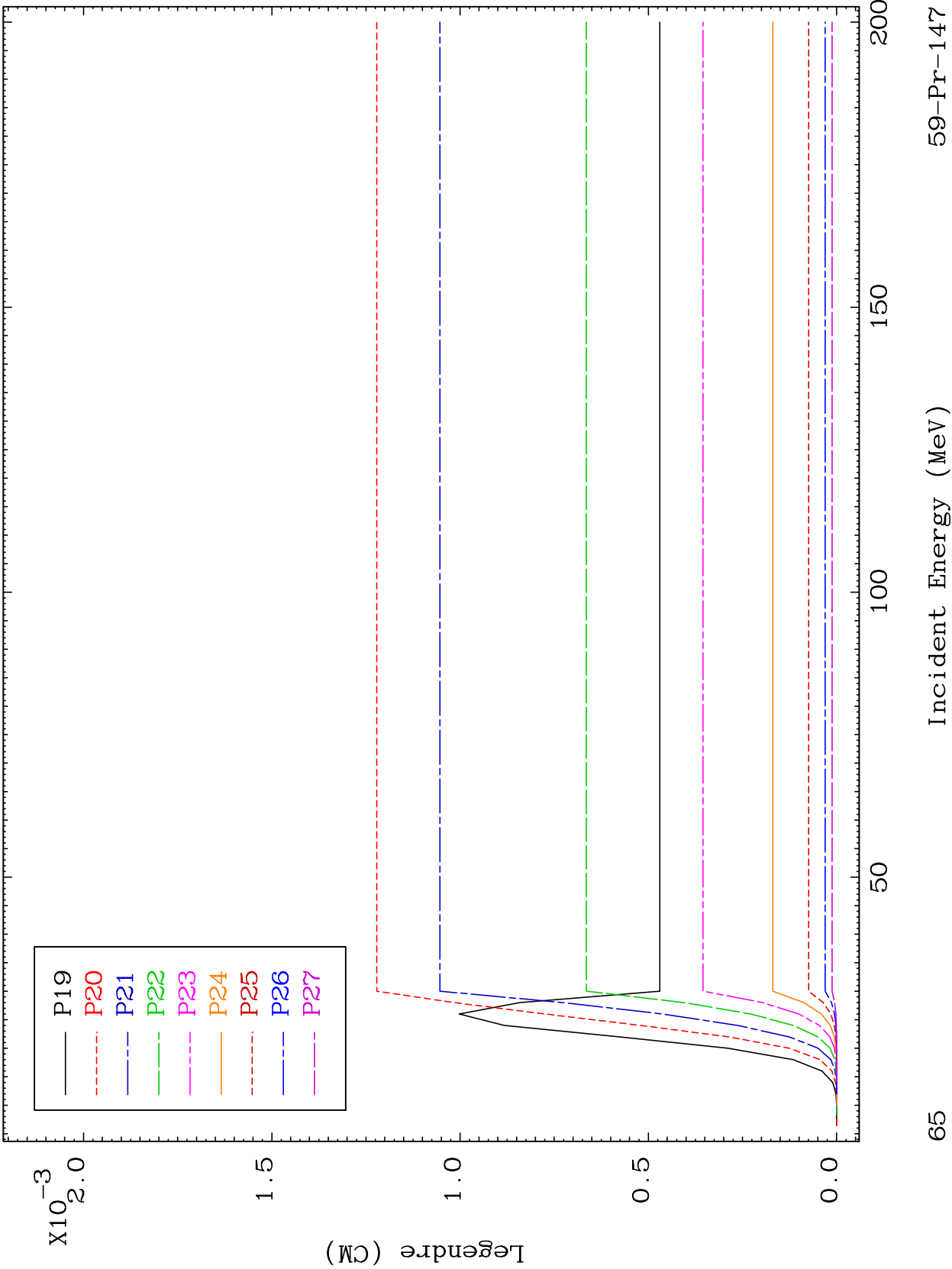
59-Pr-147



59-Pr-147

Incident Energy (MeV)

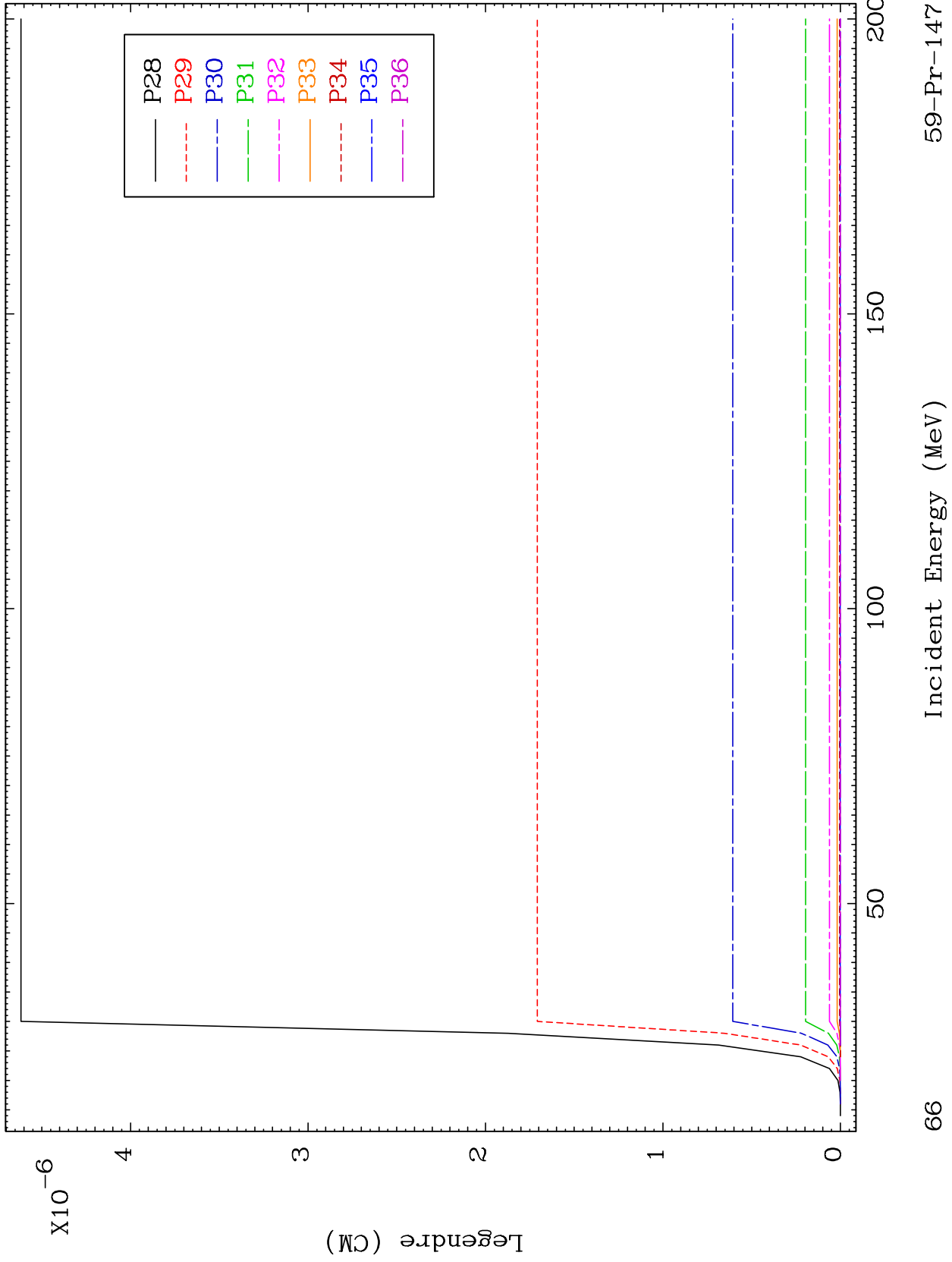
64



MAT 5943

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

59-Pr-147



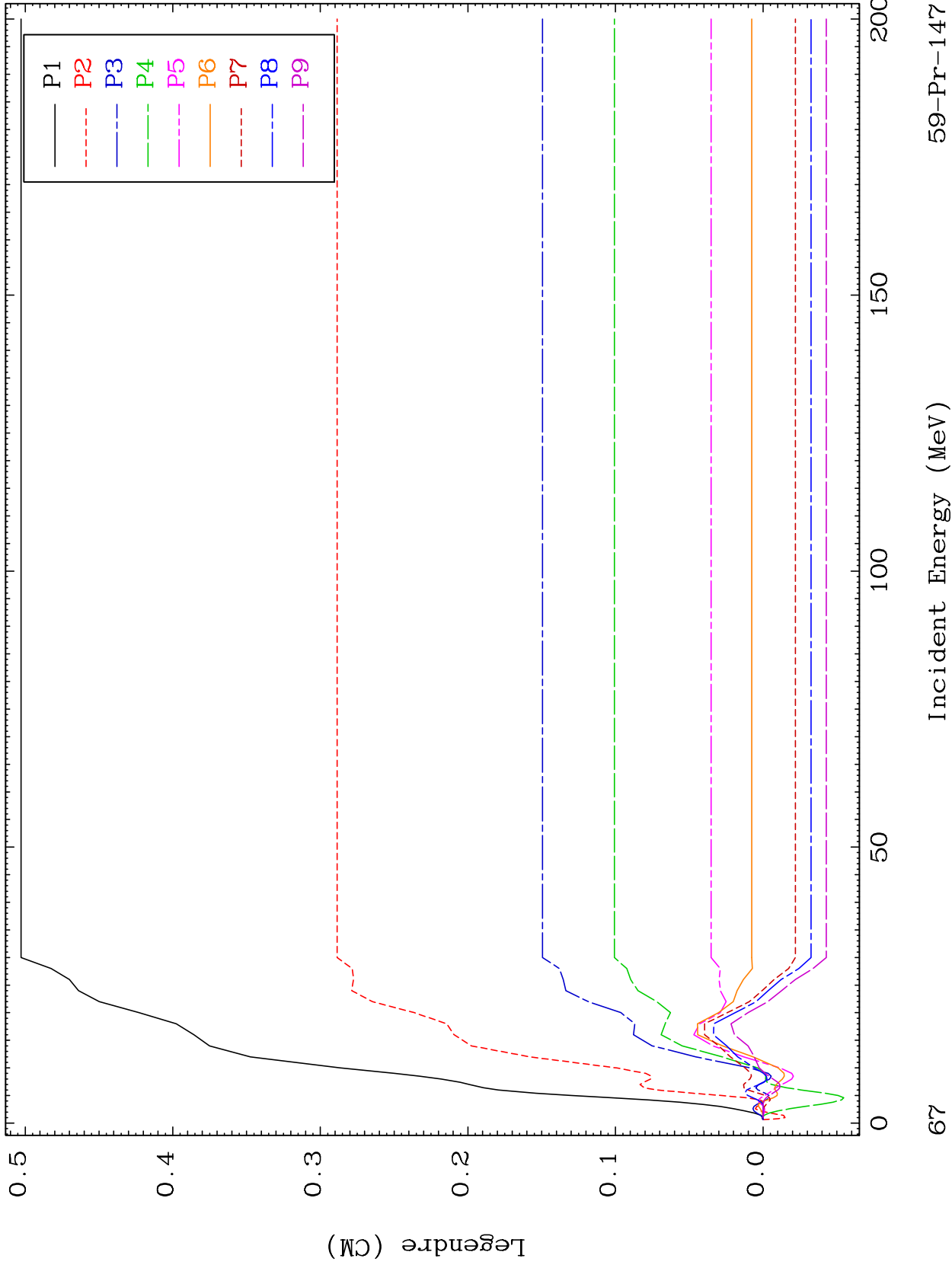
66

59-Pr-147

MAT 5943

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

59-Pr-147

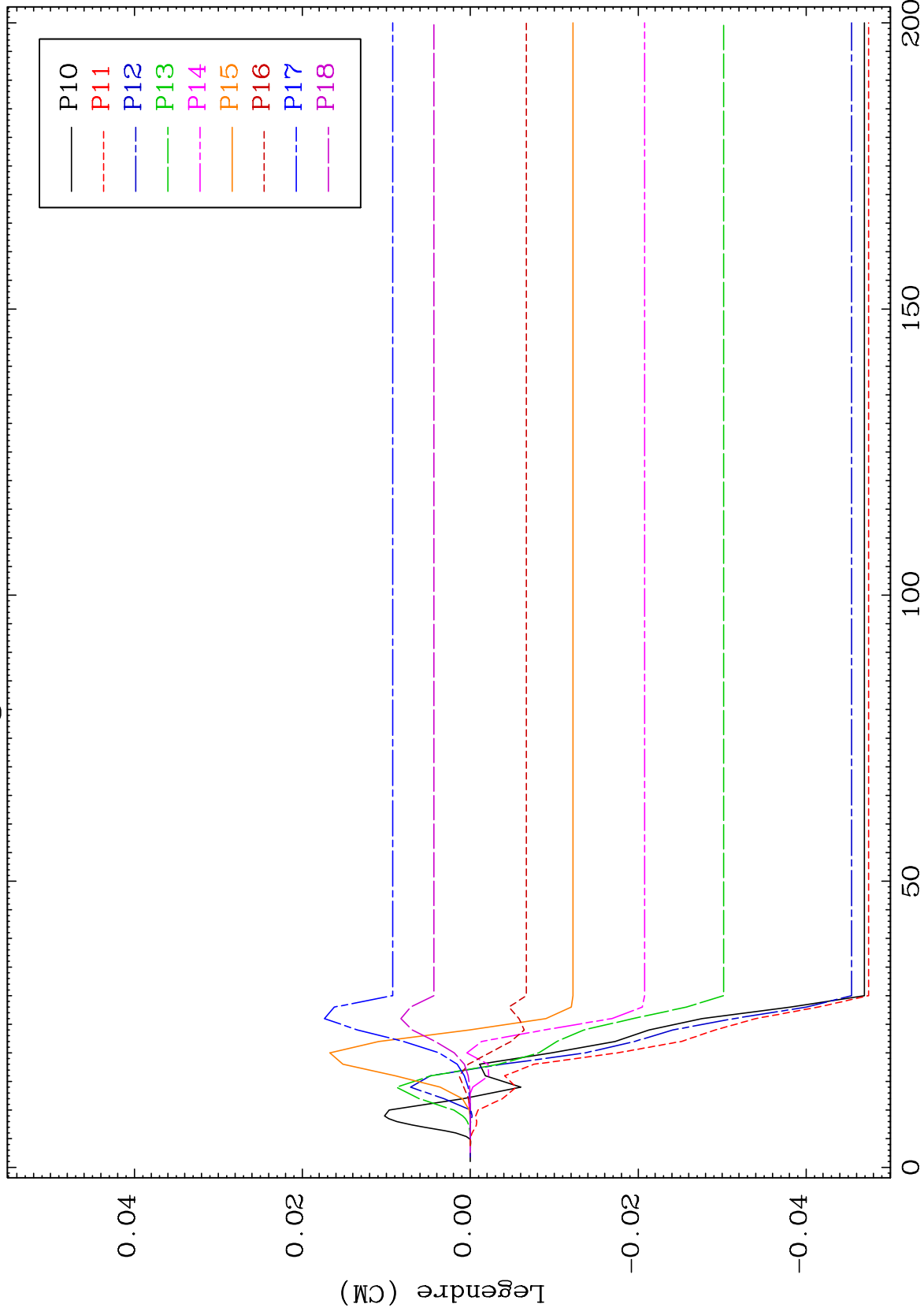


59-Pr-147

MAT 5943

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

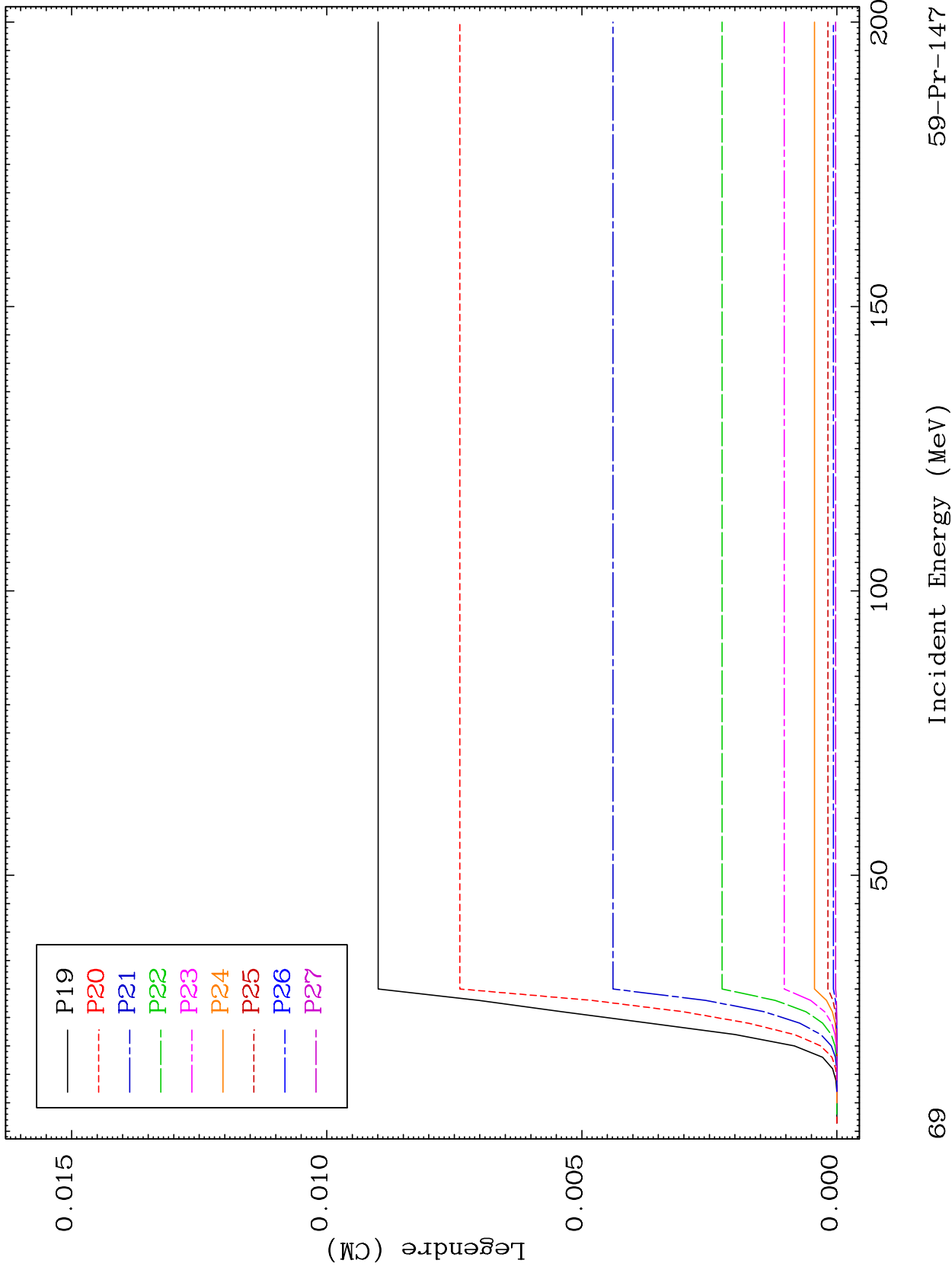
59-Pr-147



68

Incident Energy (MeV)

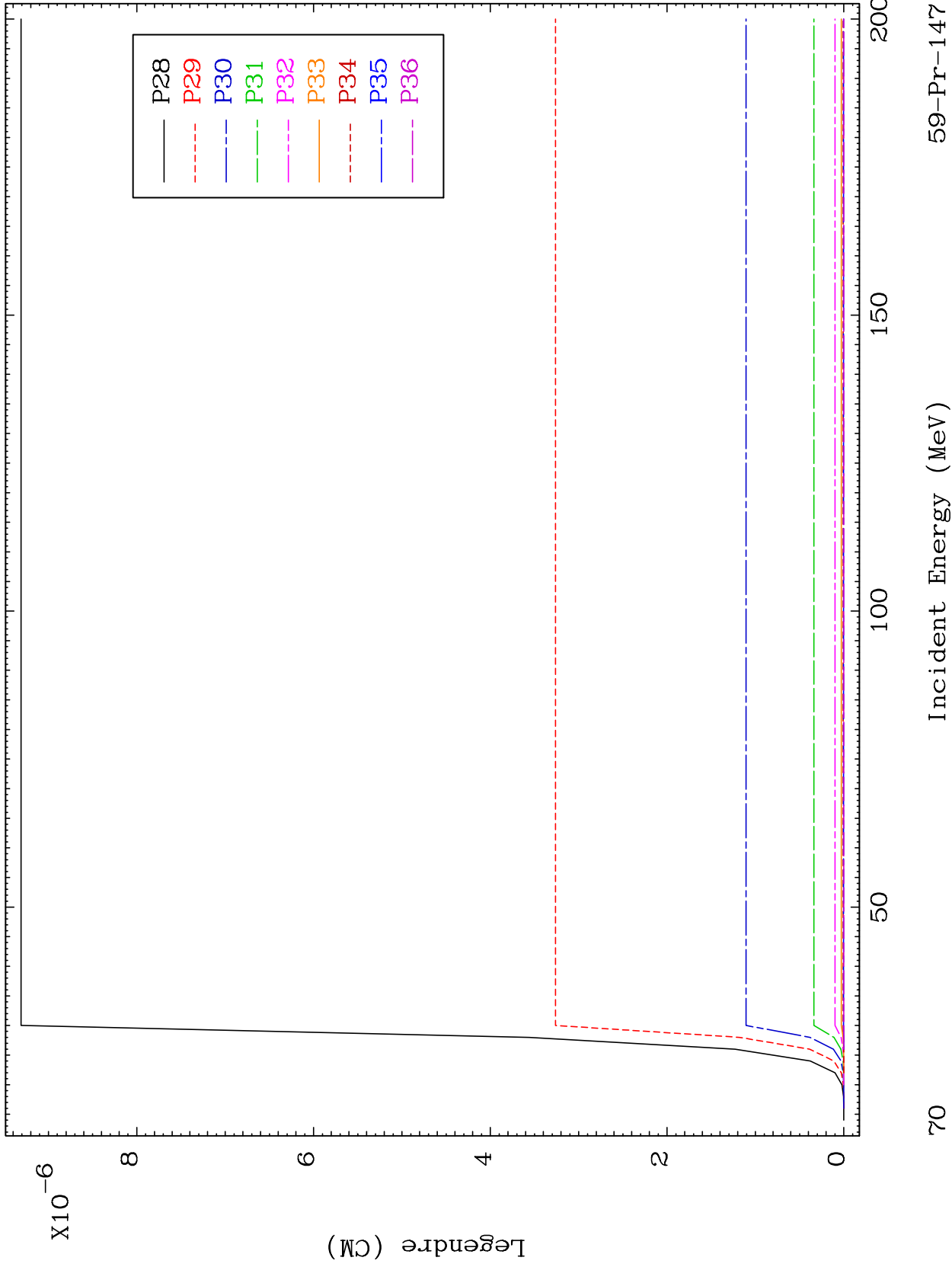
59-Pr-147



MAT 5943

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

59-Pr-147



70

Incident Energy (MeV)

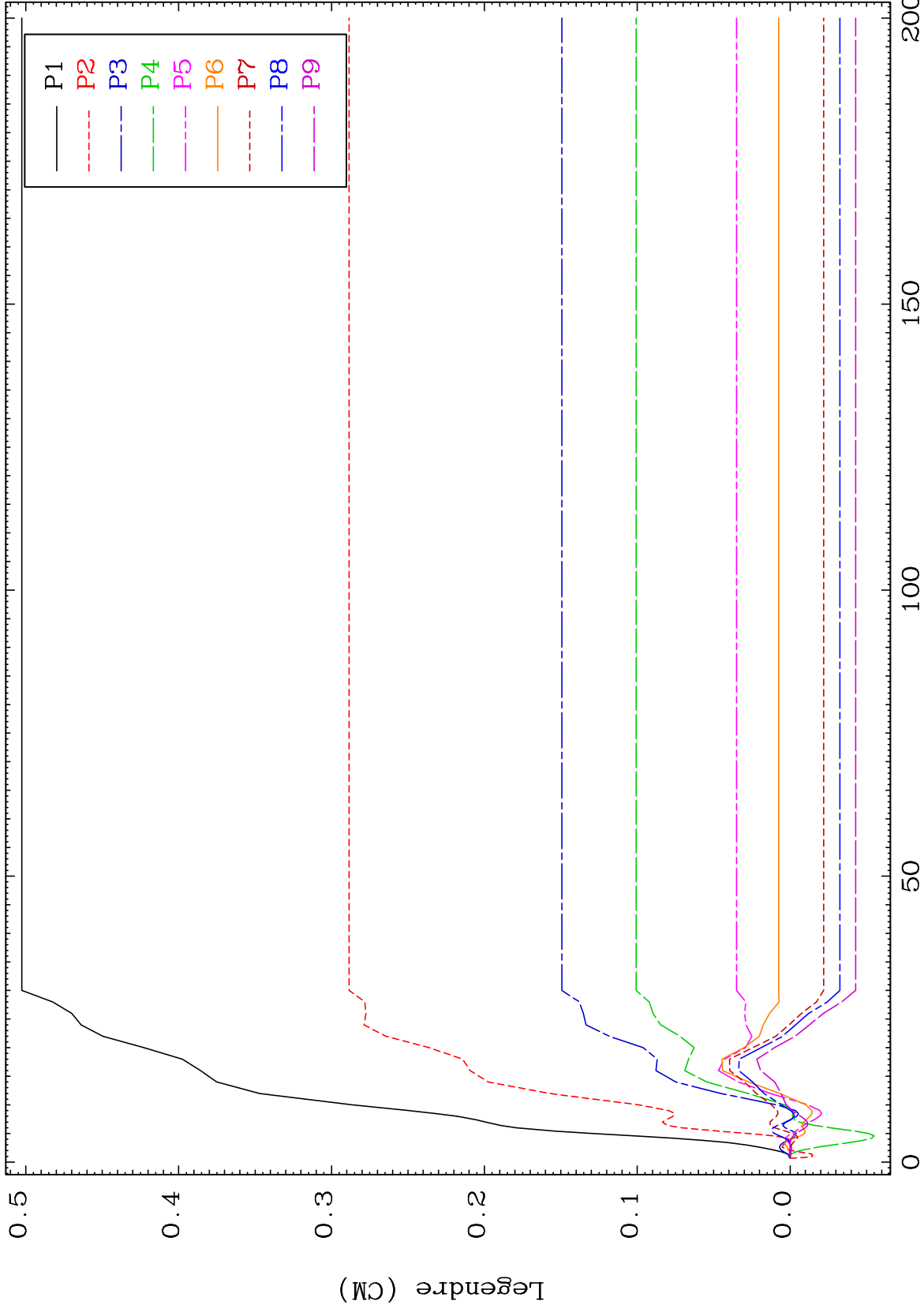
59-Pr-147

MAT 5943

MT= 64 (n,n') Level

59-Pr-147

Legendre Coefficients



71

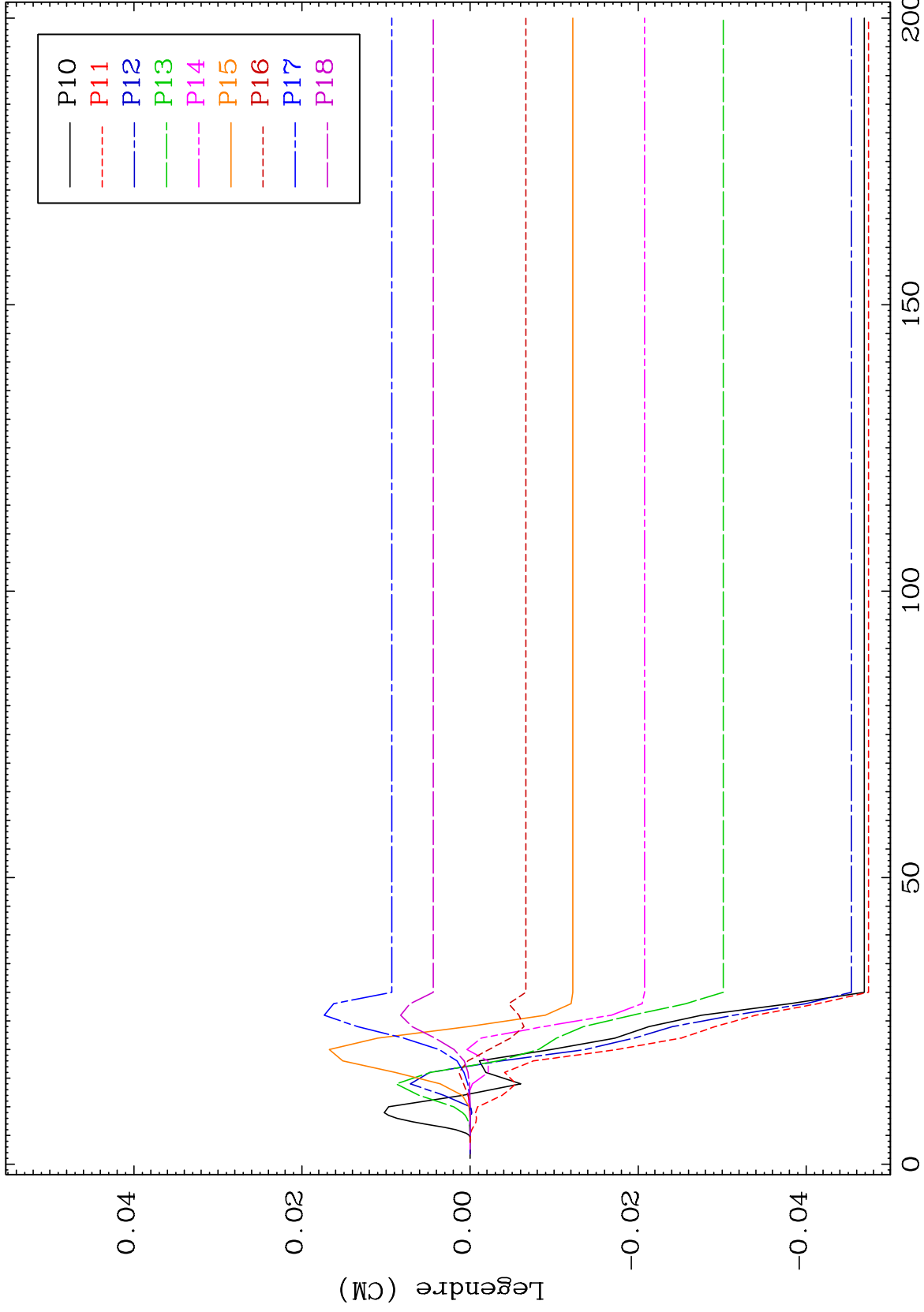
Incident Energy (MeV)

59-Pr-147

MAT 5943

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

59-Pr-147



72

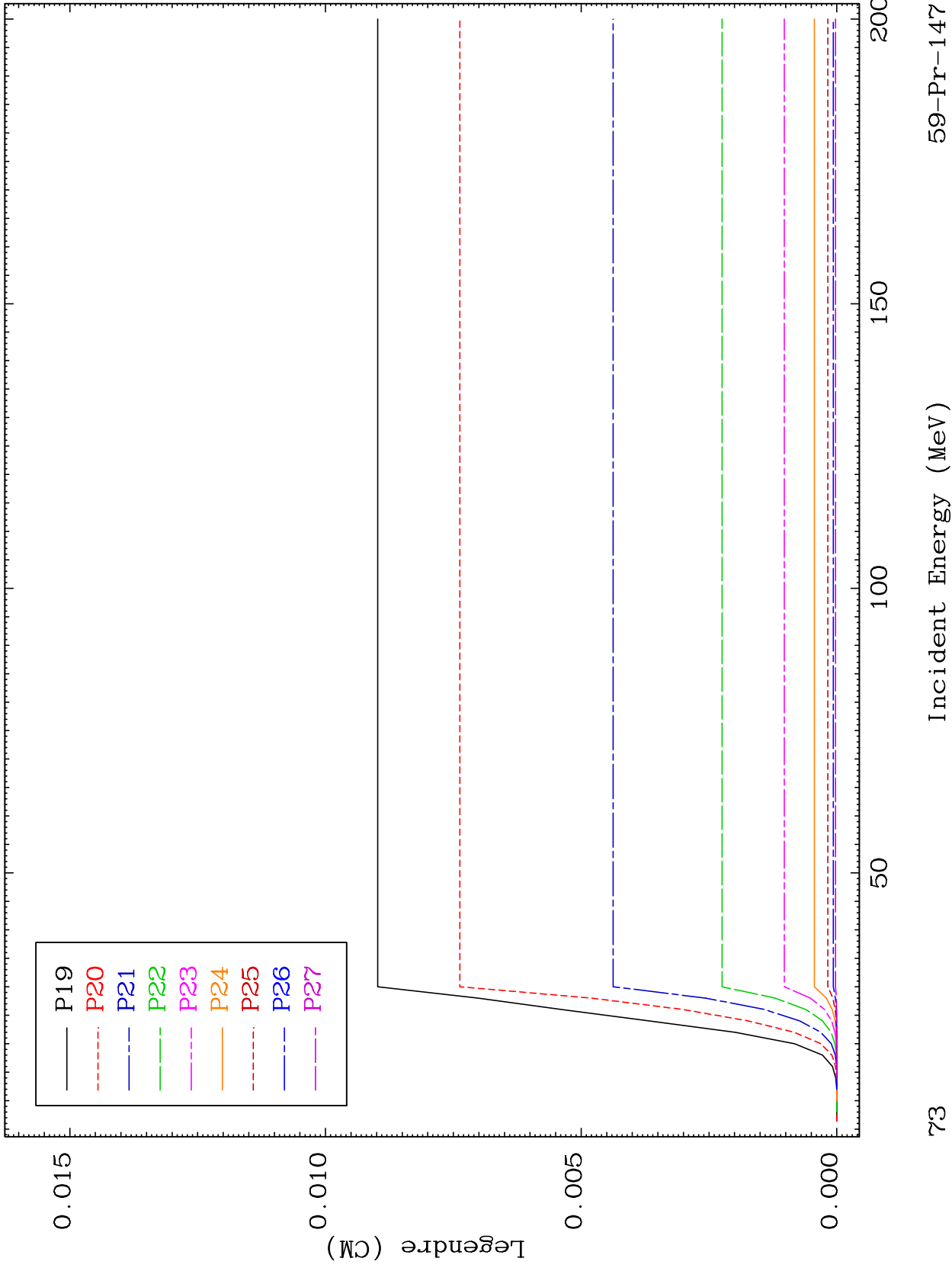
Incident Energy (MeV)

59-Pr-147

MAT 5943

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

59-Pr-147



73

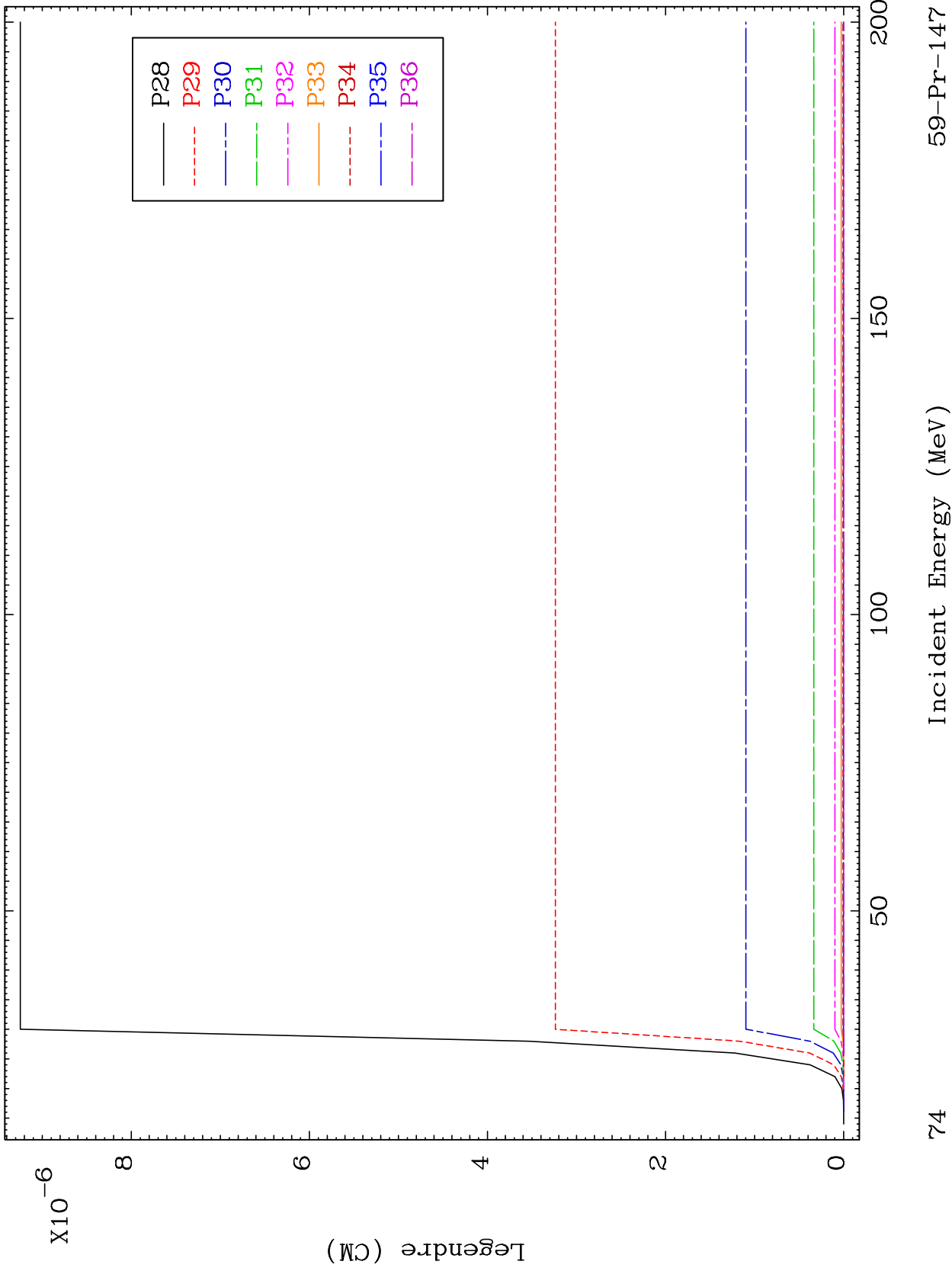
Incident Energy (MeV)

59-Pr-147

MAT 5943

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

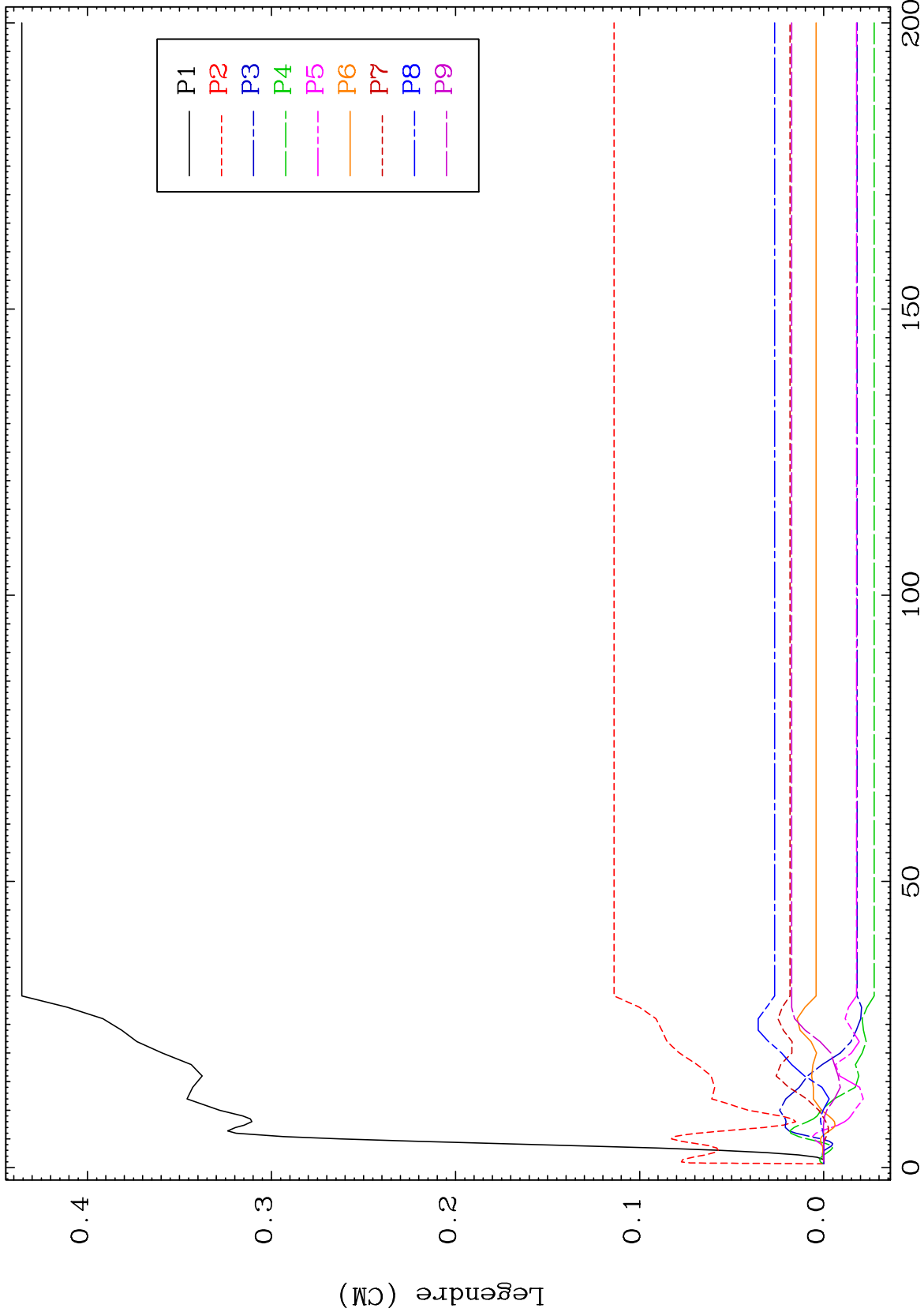
59-Pr-147



MAT 5943

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

59-Pr-147



59-Pr-147

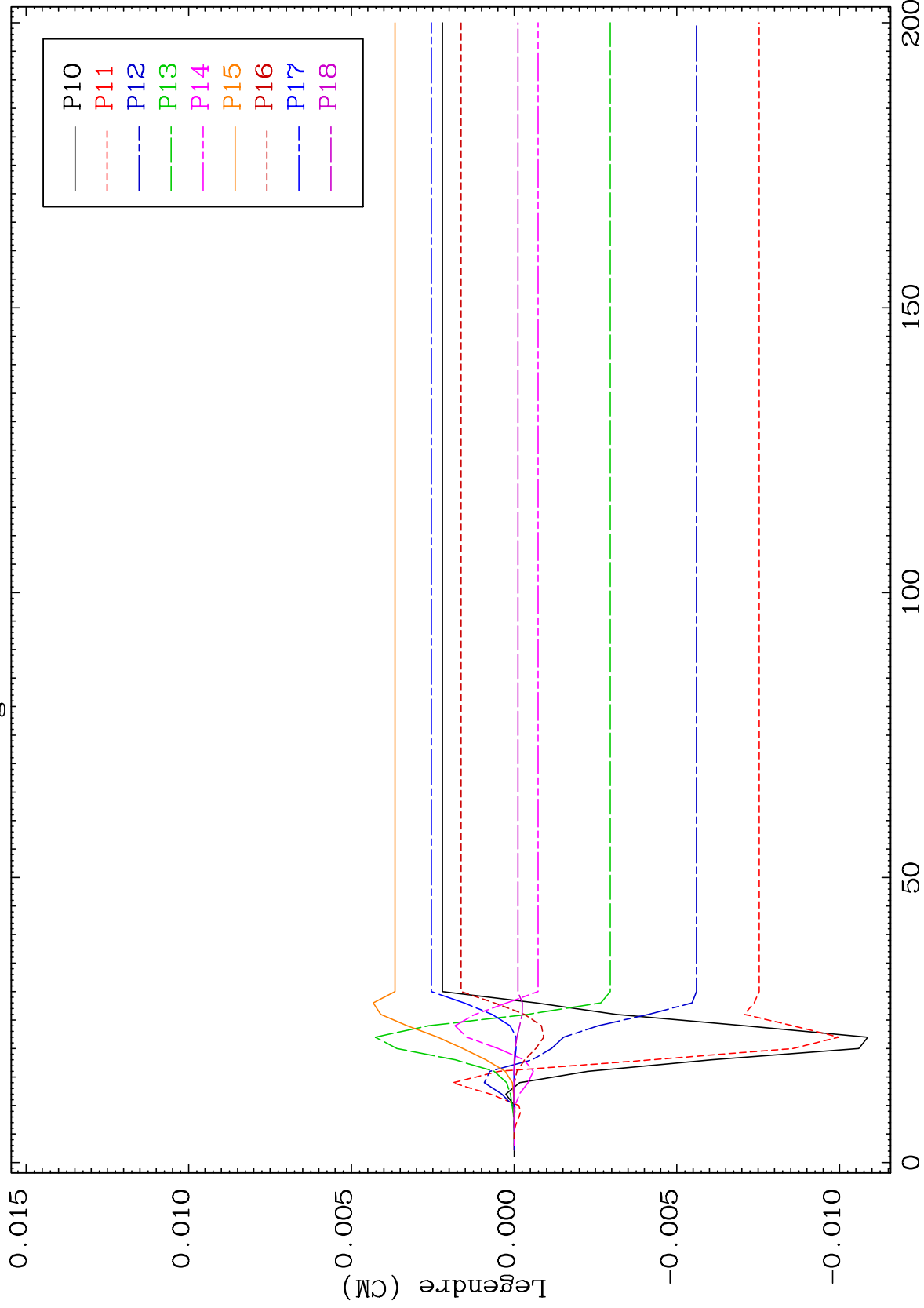
Incident Energy (MeV)

75

MAT 5943

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

59-Pr-147



76

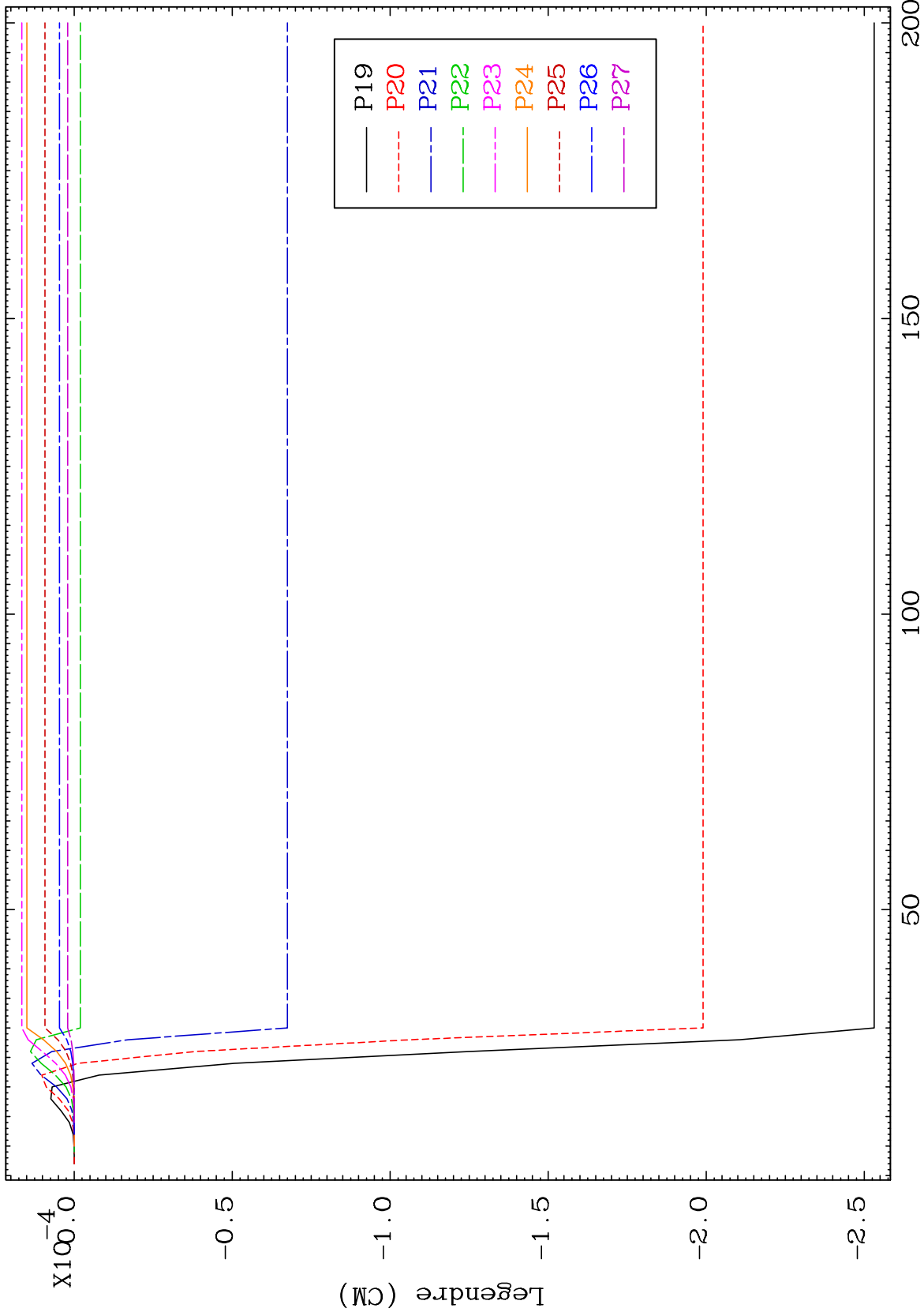
Incident Energy (MeV)

59-Pr-147

MAT 5943

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

59-Pr-147



77

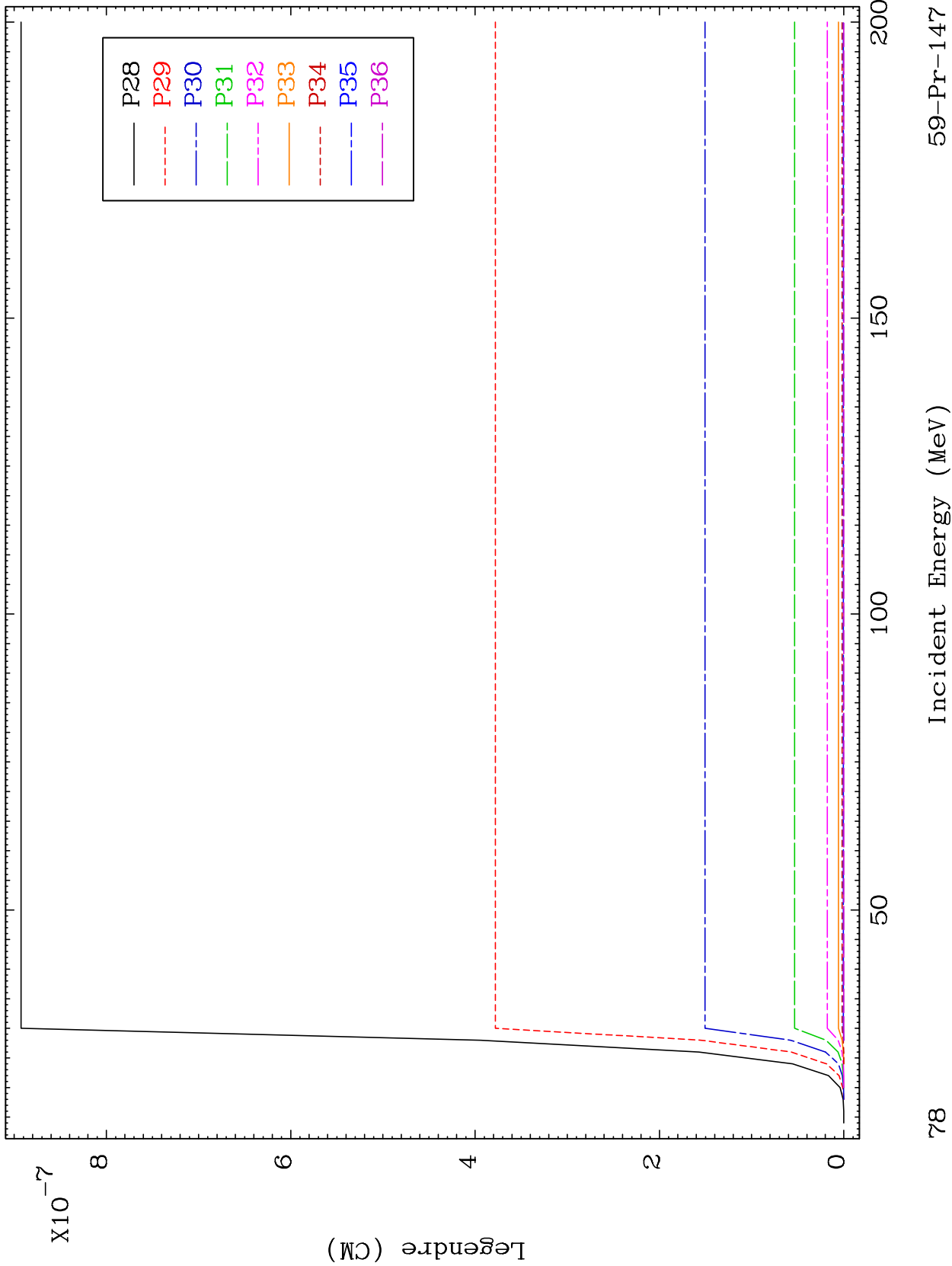
Incident Energy (MeV)

59-Pr-147

MAT 5943

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

59-Pr-147



78

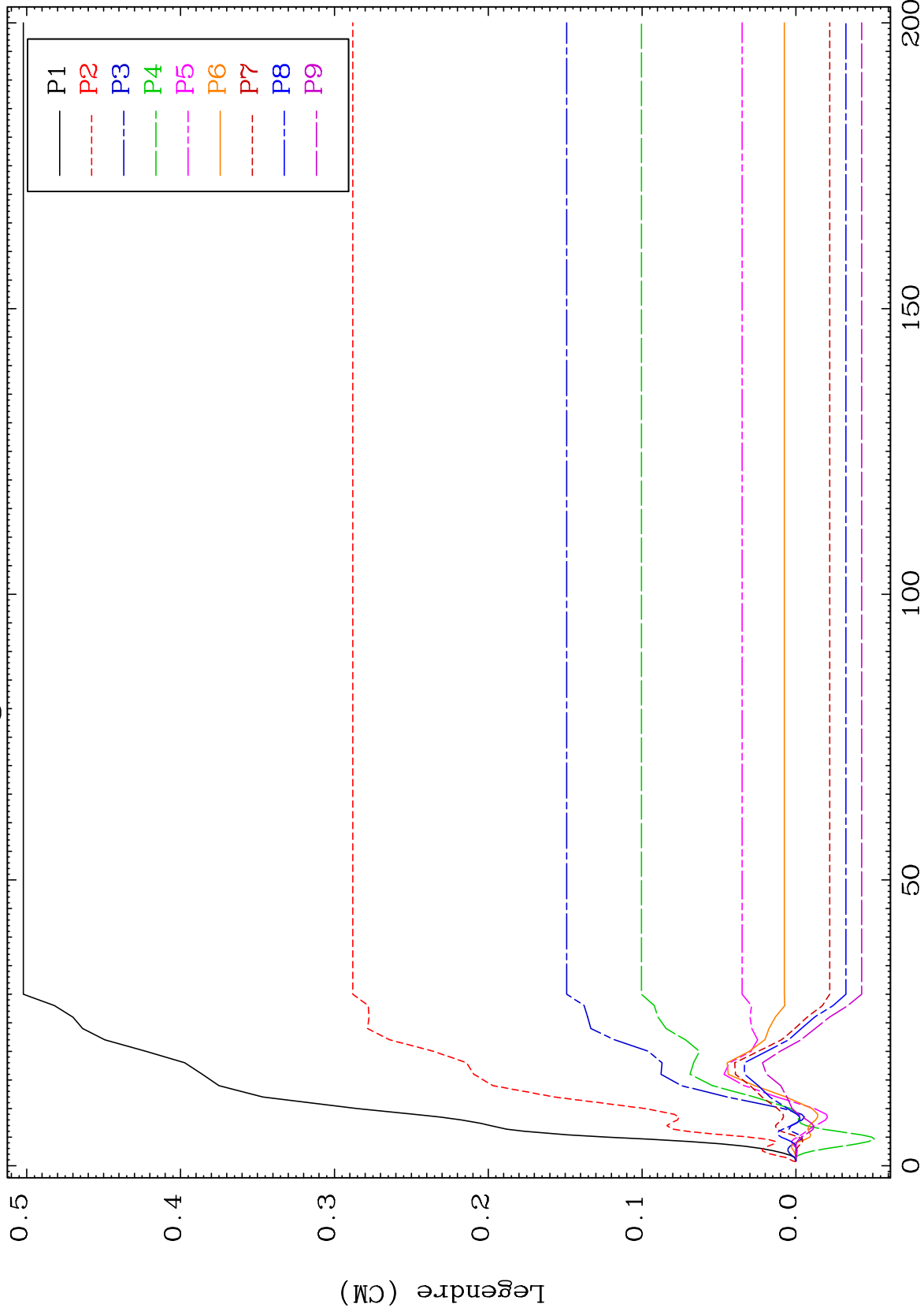
Incident Energy (MeV)

59-Pr-147

MAT 5943

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

59-Pr-147



79

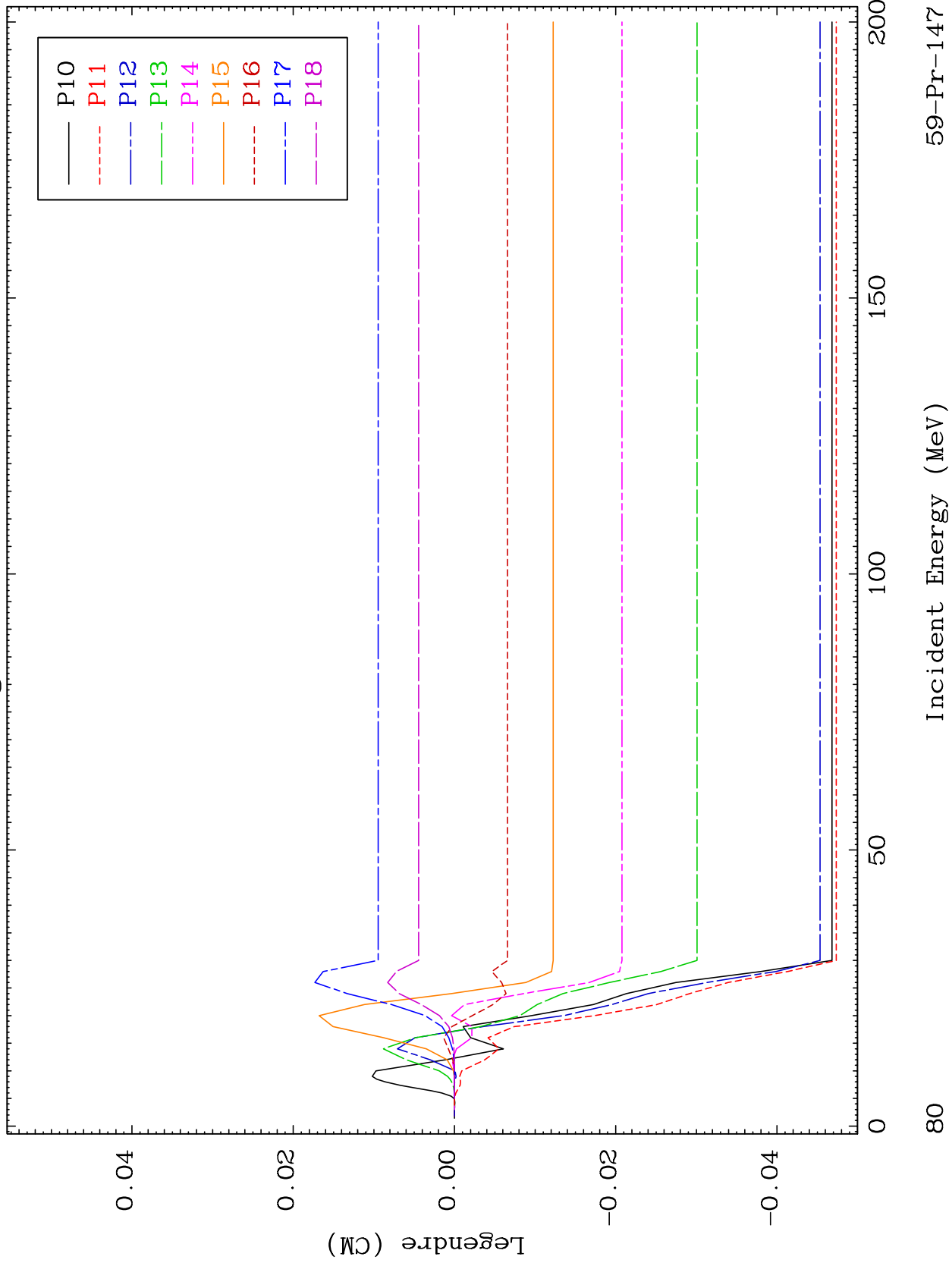
Incident Energy (MeV)

59-Pr-147

MAT 5943

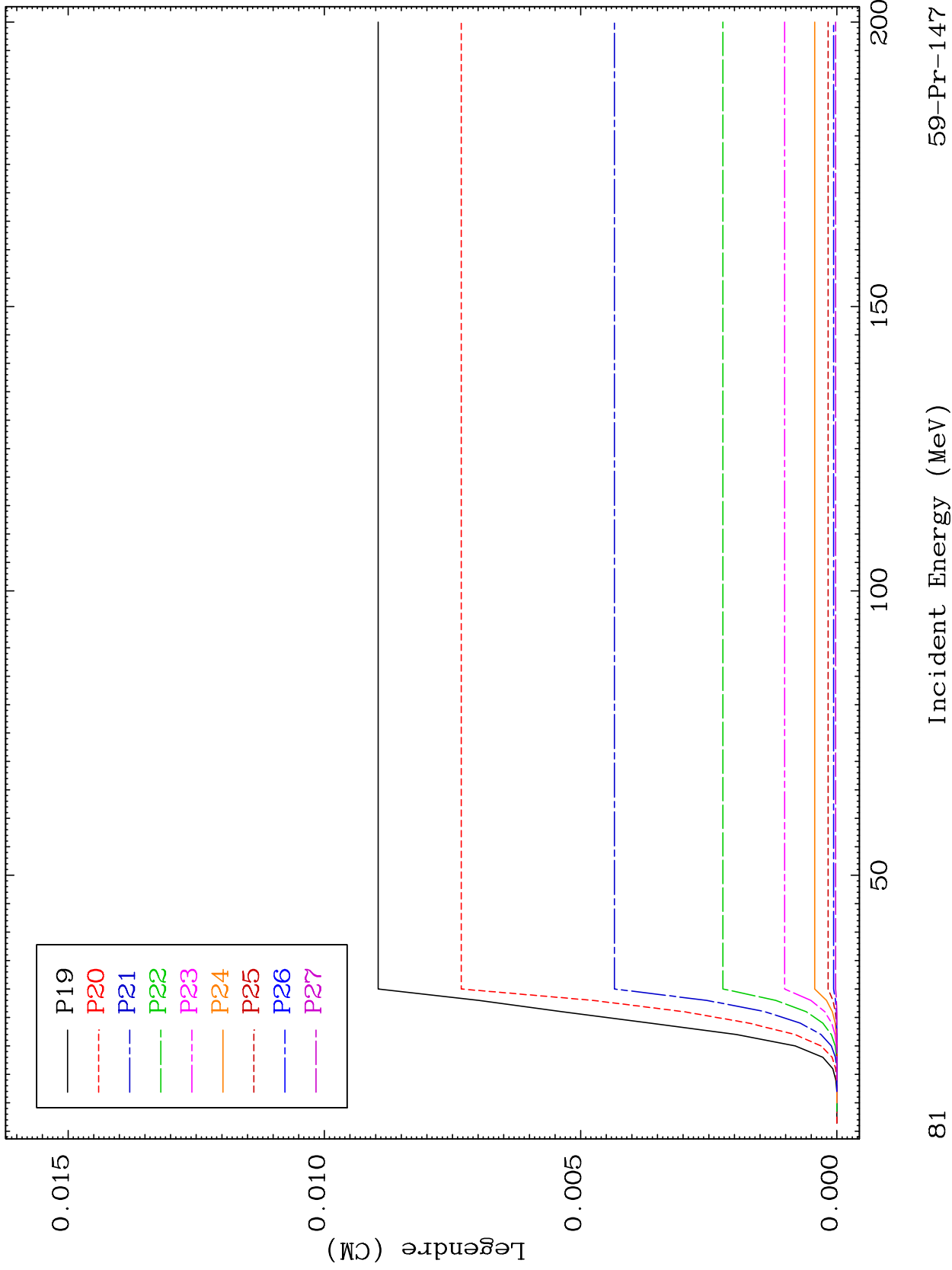
MT= 66 (n,n') Level
Legendre Coefficients

59-Pr-147



59-Pr-147

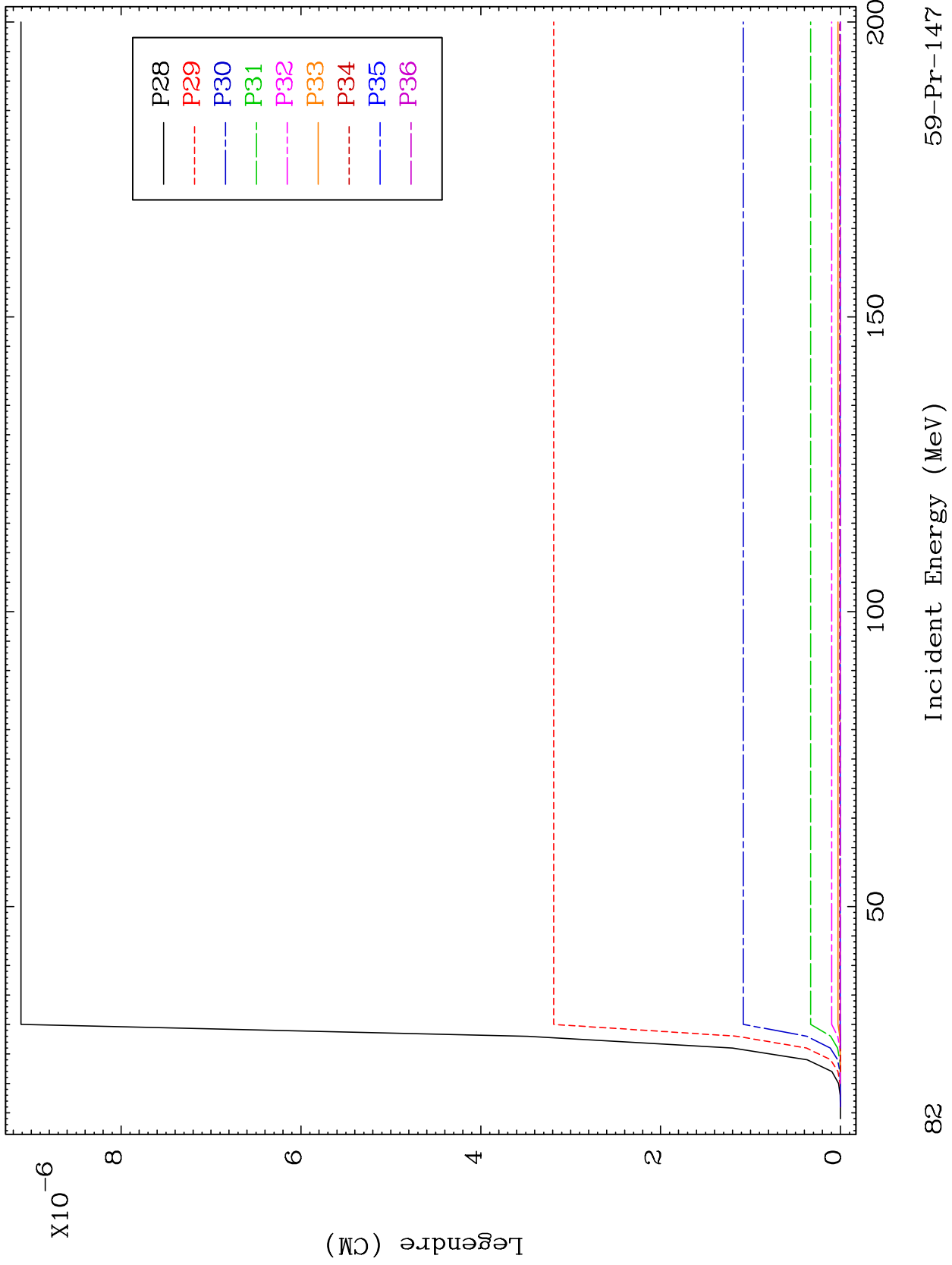
Incident Energy (MeV)



MAT 5943

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

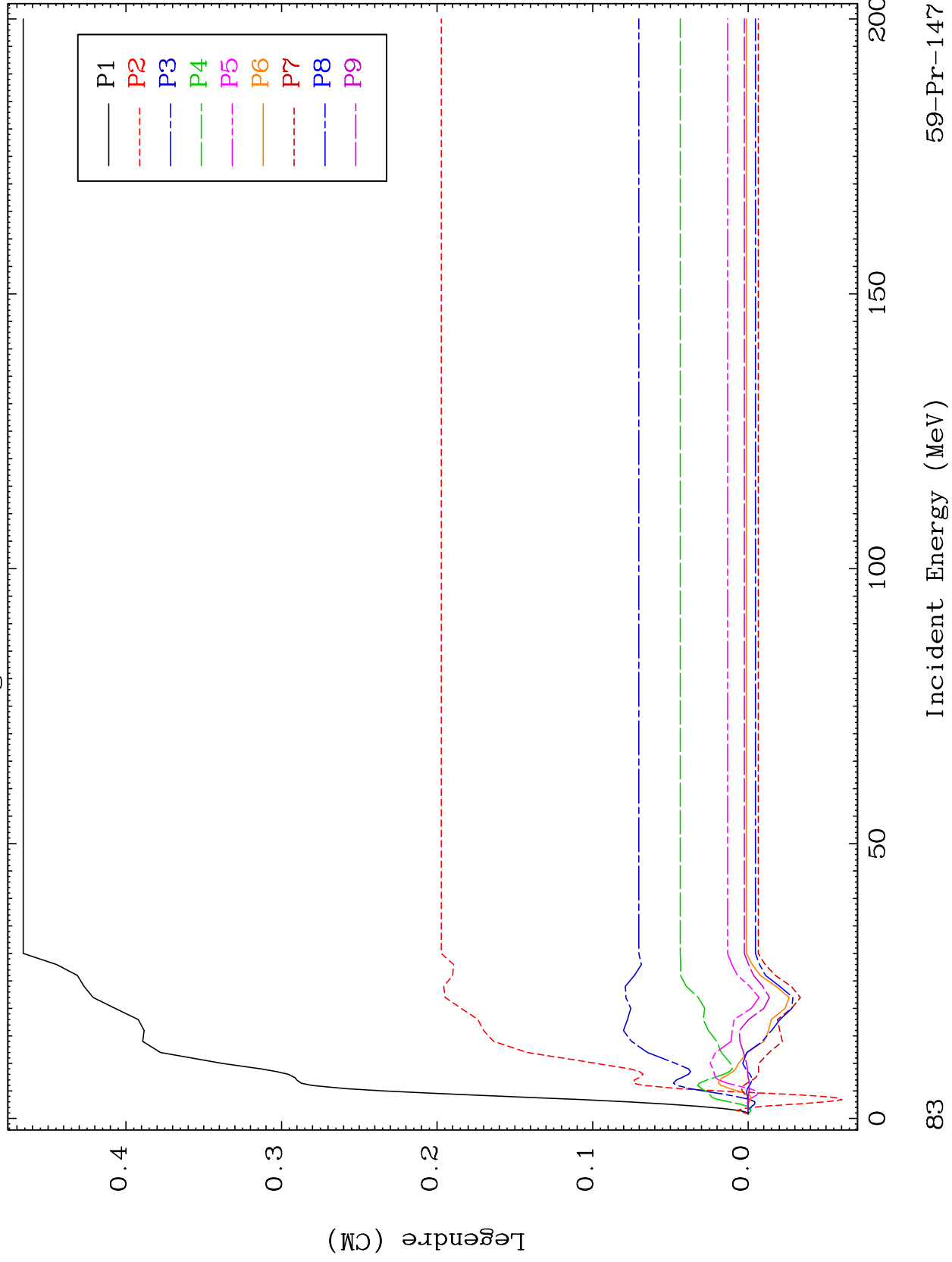
59-Pr-147



MAT 5943

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

59-Pr-147



59-Pr-147

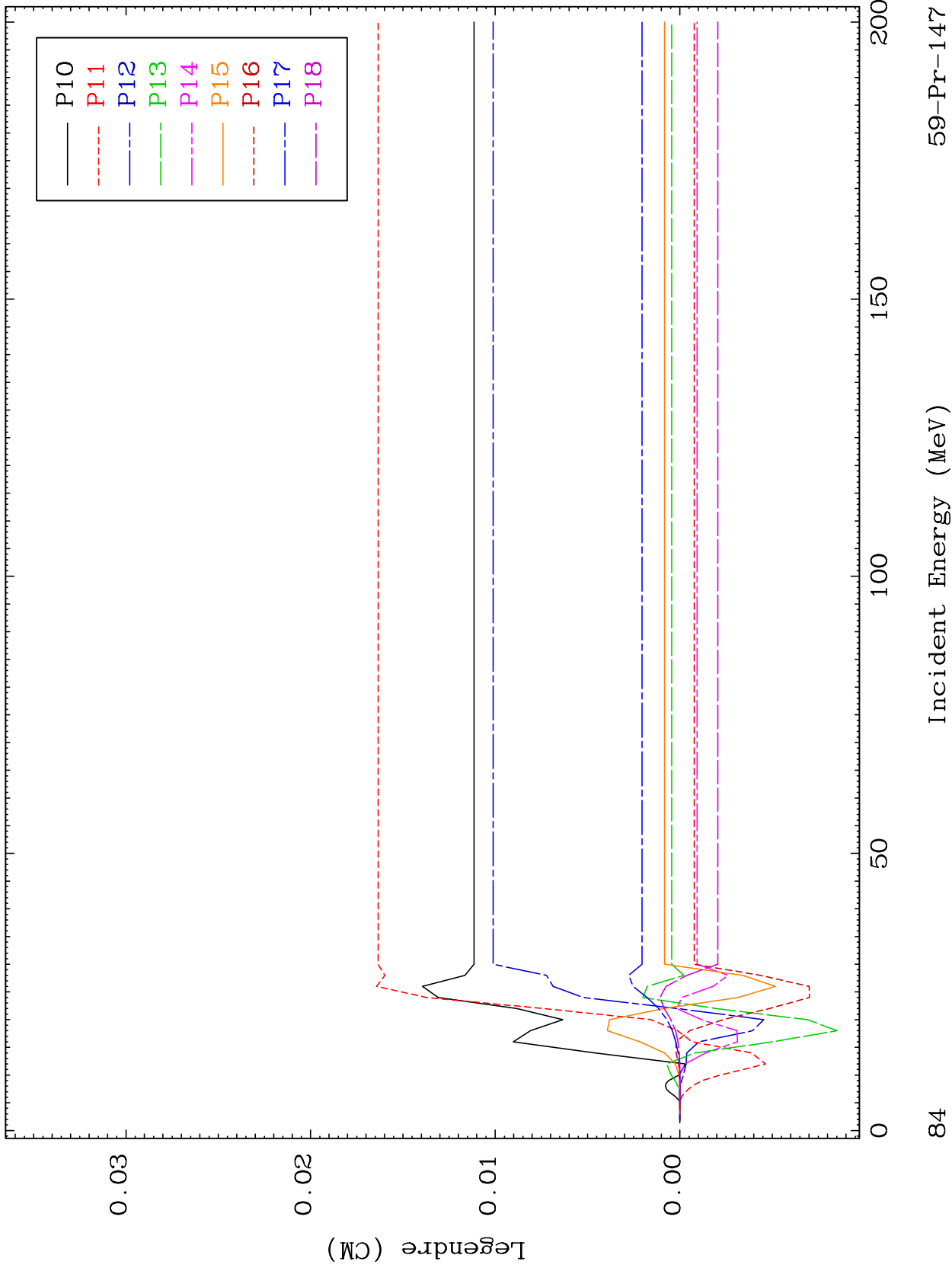
Incident Energy (MeV)

83

MAT 5943

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

59-Pr-147



84

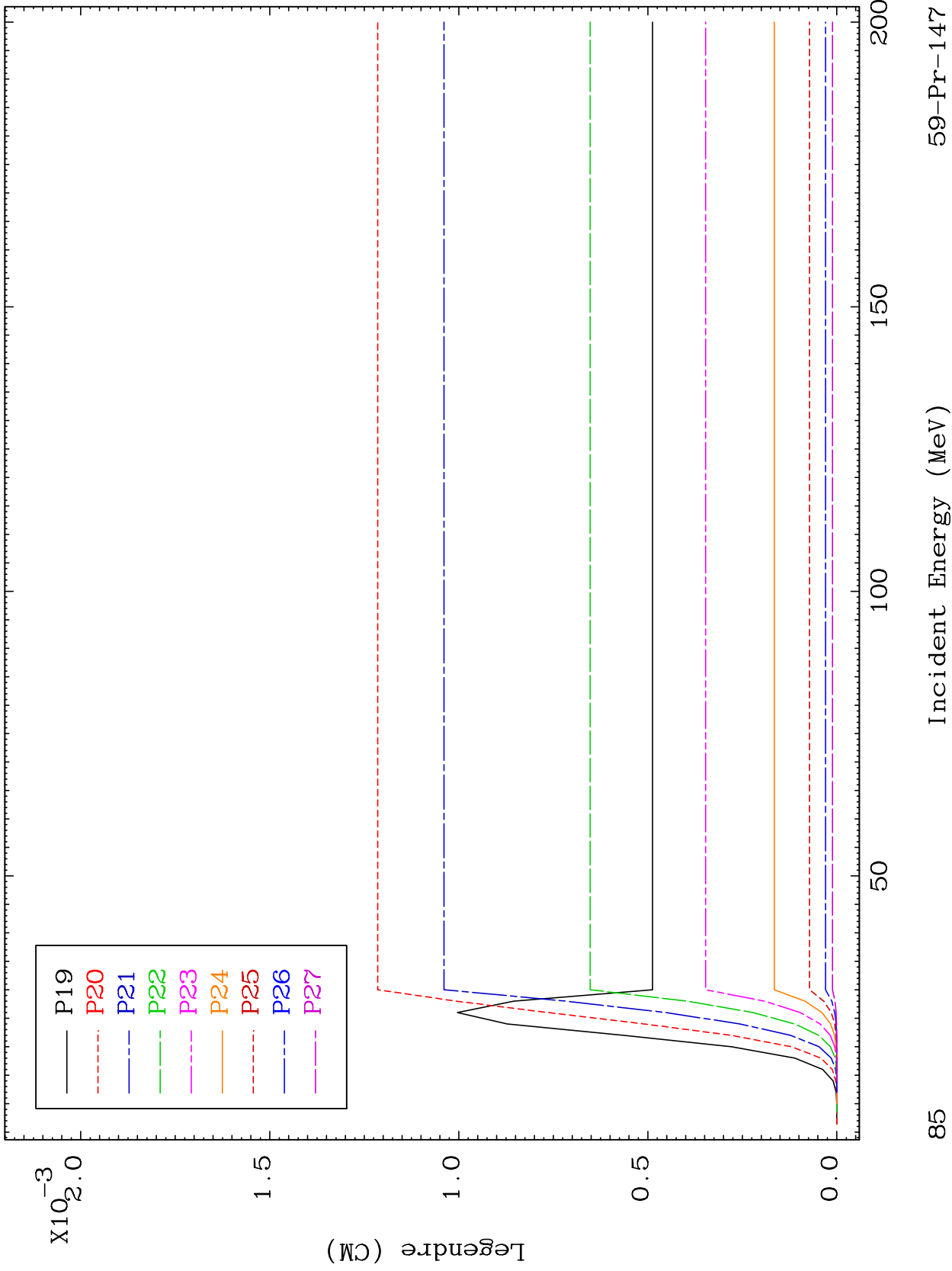
Incident Energy (MeV)

59-Pr-147

MAT 5943

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

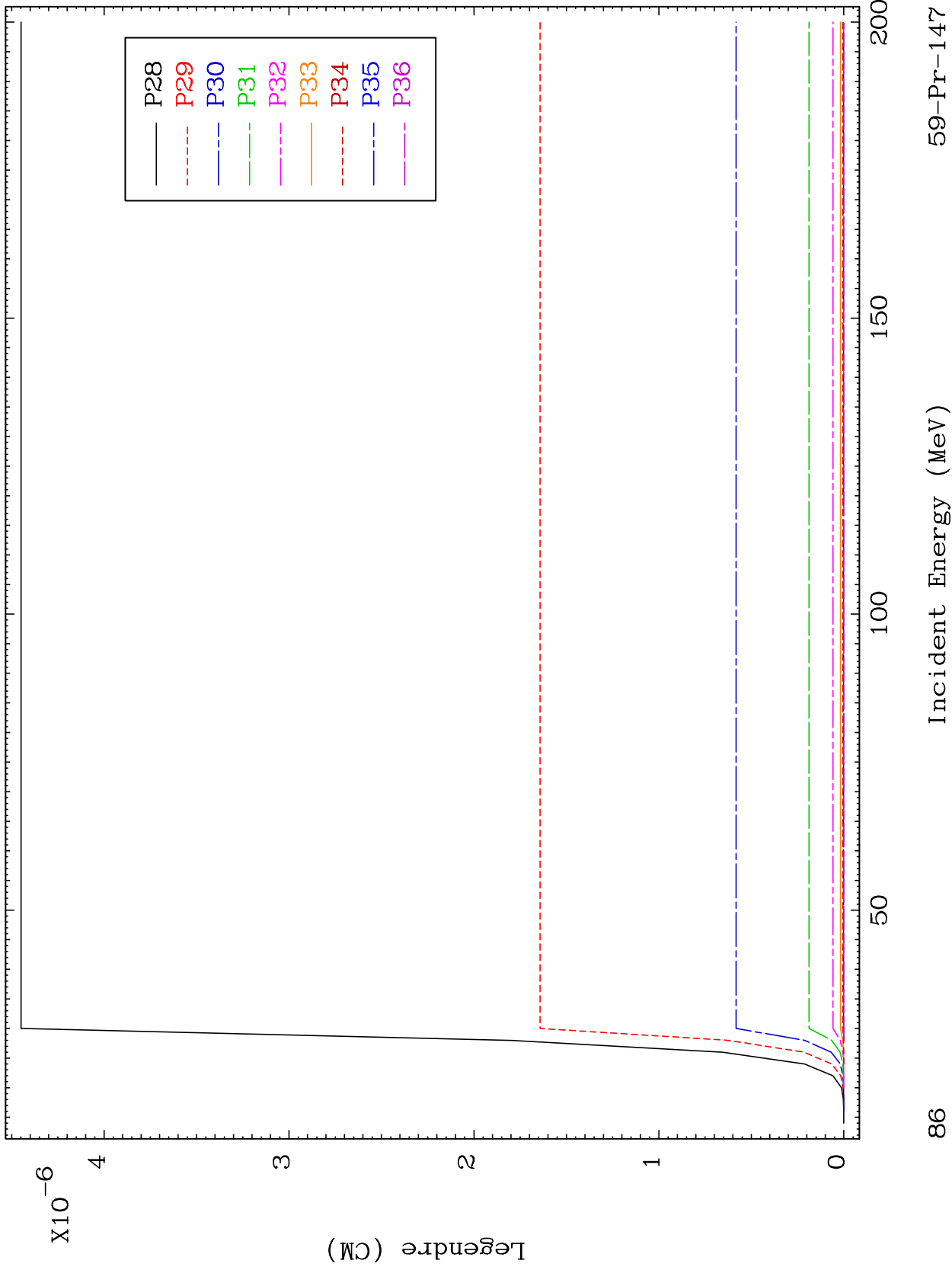
59-Pr-147



85

Incident Energy (MeV)

59-Pr-147

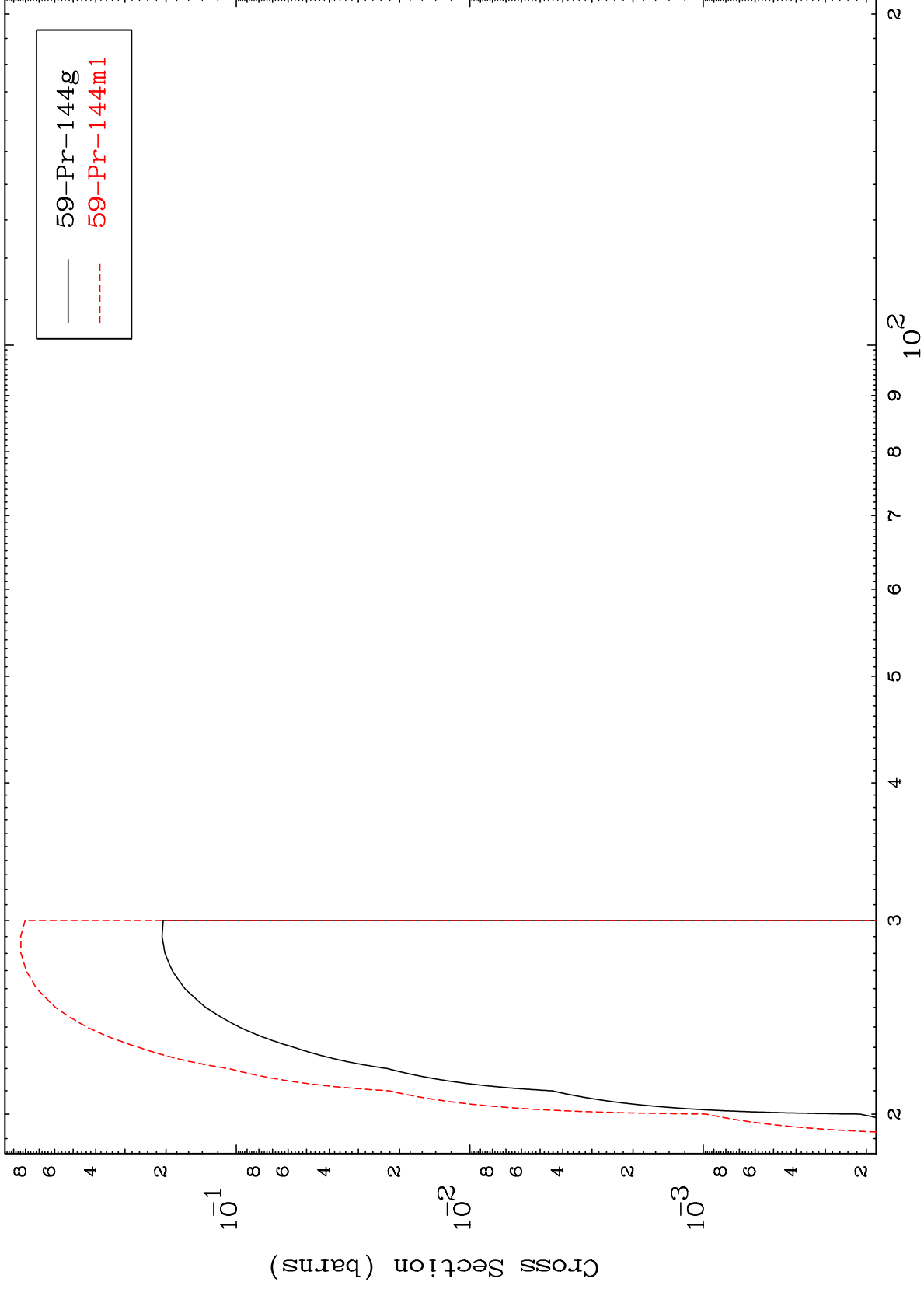


MAT 5943

(n,4n)

59-Pr-147

Radionuclide Production Cross Section



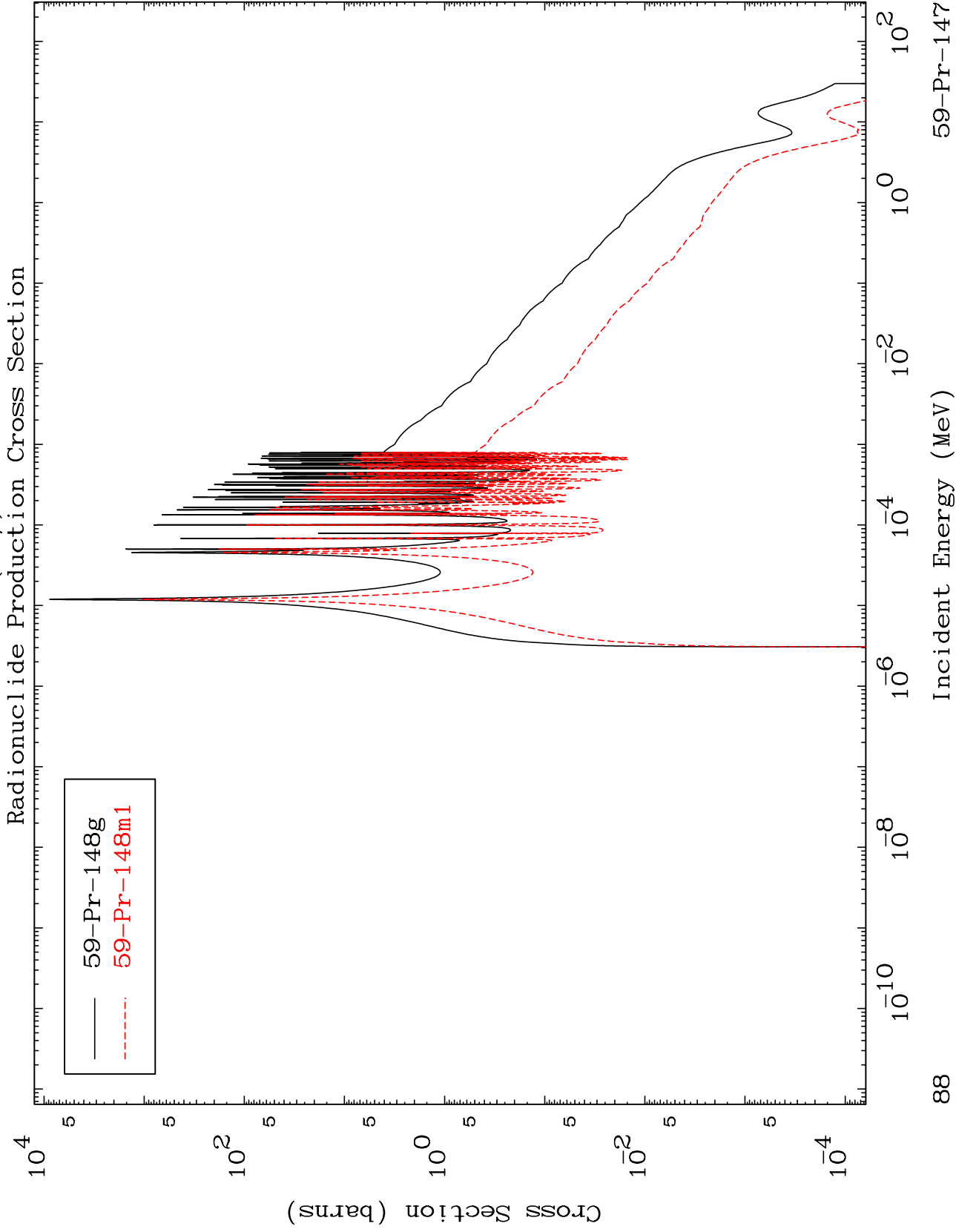
87

Incident Energy (MeV)

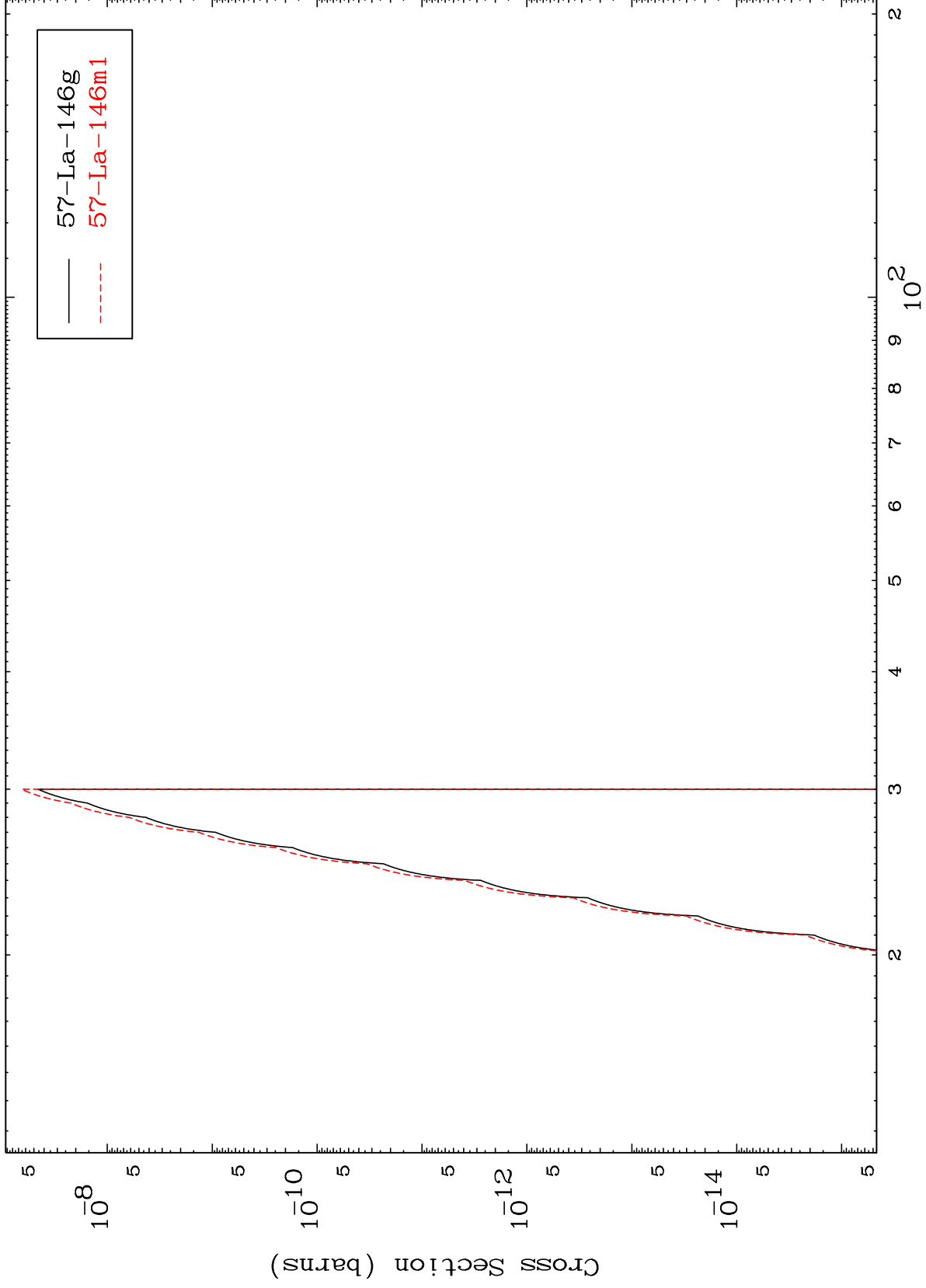
59-Pr-147

MAT 5943

59-Pr-147



(n,2p)
Radionuclide Production Cross Section



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