

Program EVALPLOT
(Version 2018-1)

by

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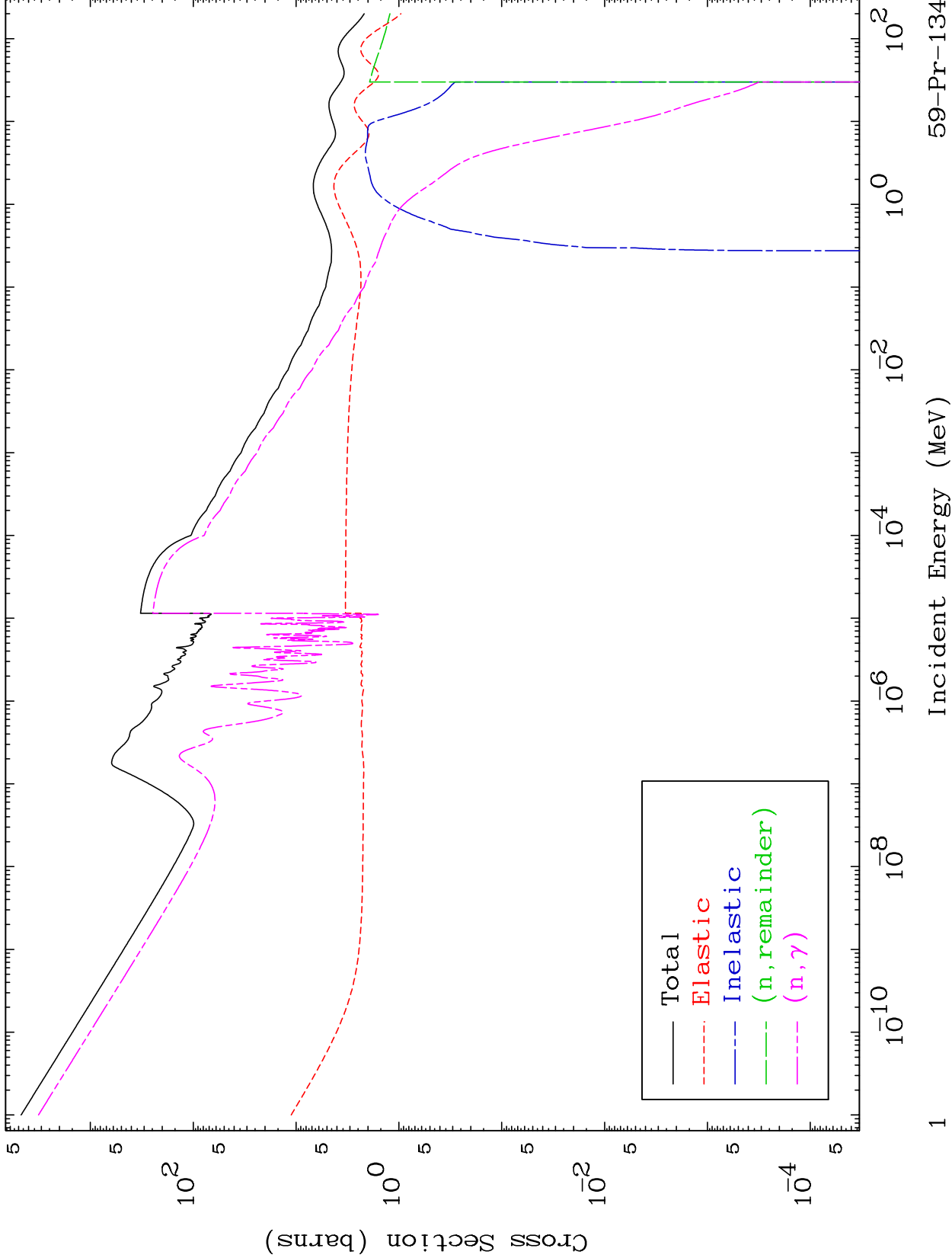
Press Mouse Button to Start

MAT 5904

Major

293 Kelvin Cross Sections

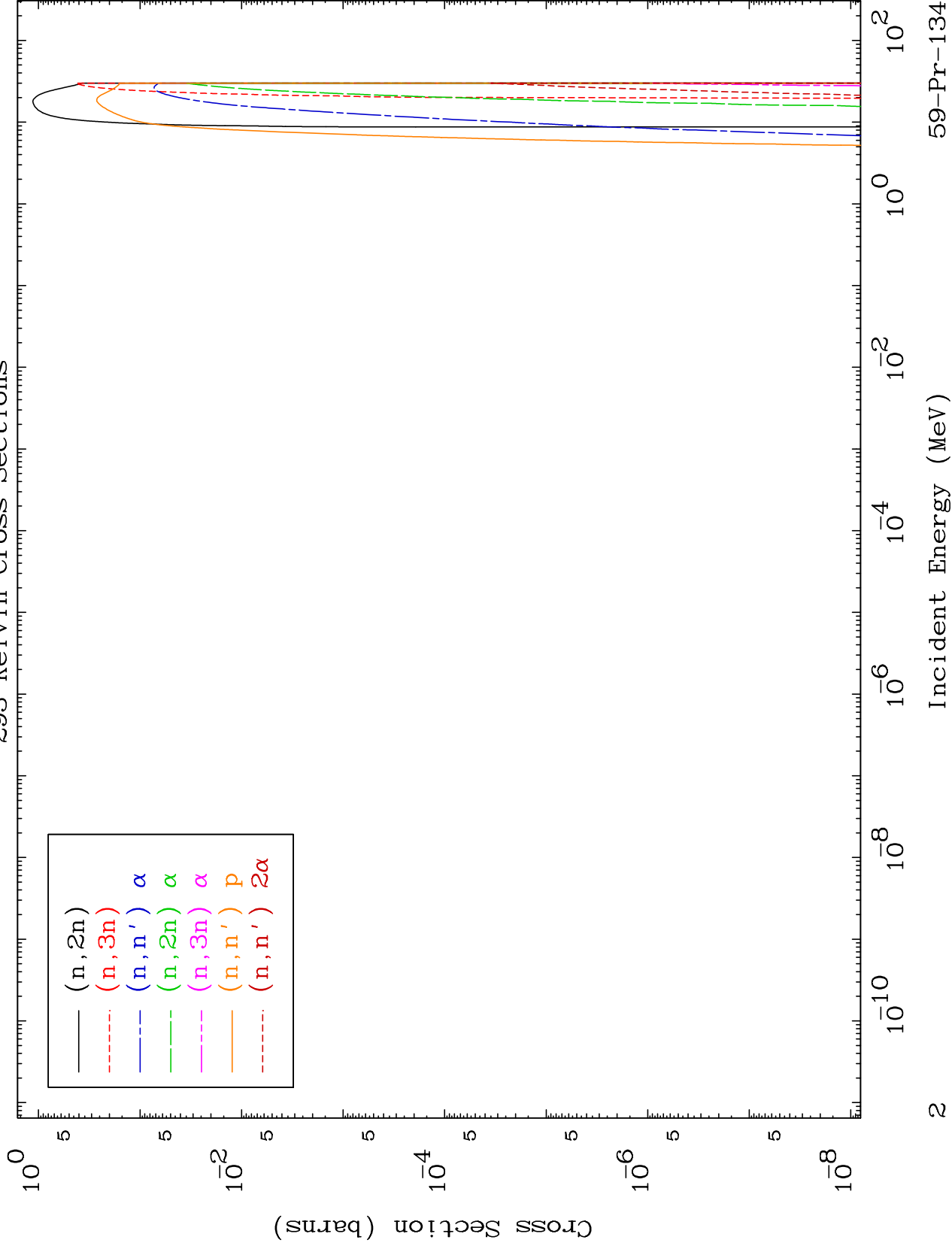
59-Pr-134

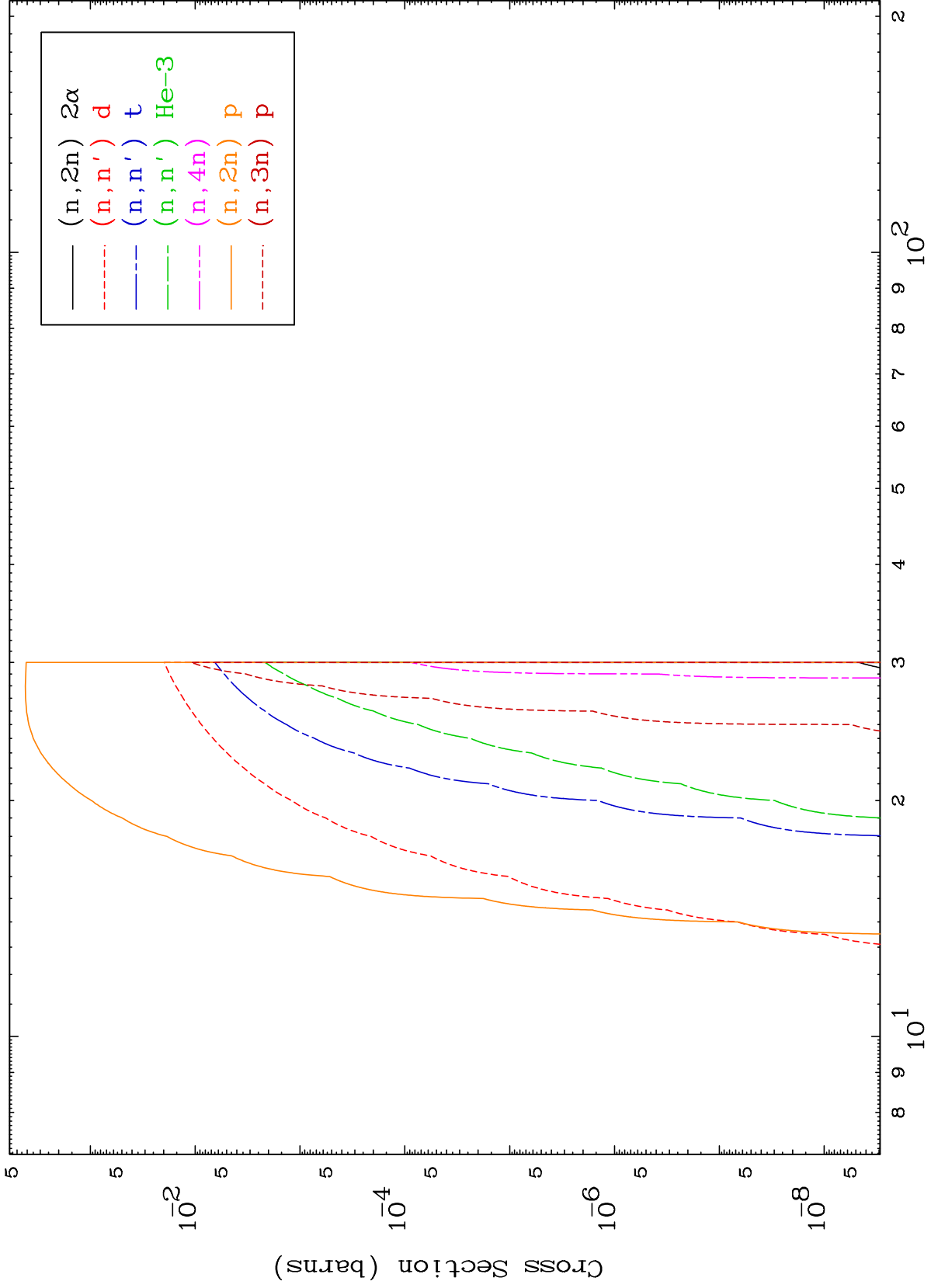


MAT 5904

Neutron Production
293 Kelvin Cross Sections

59-Pr-134

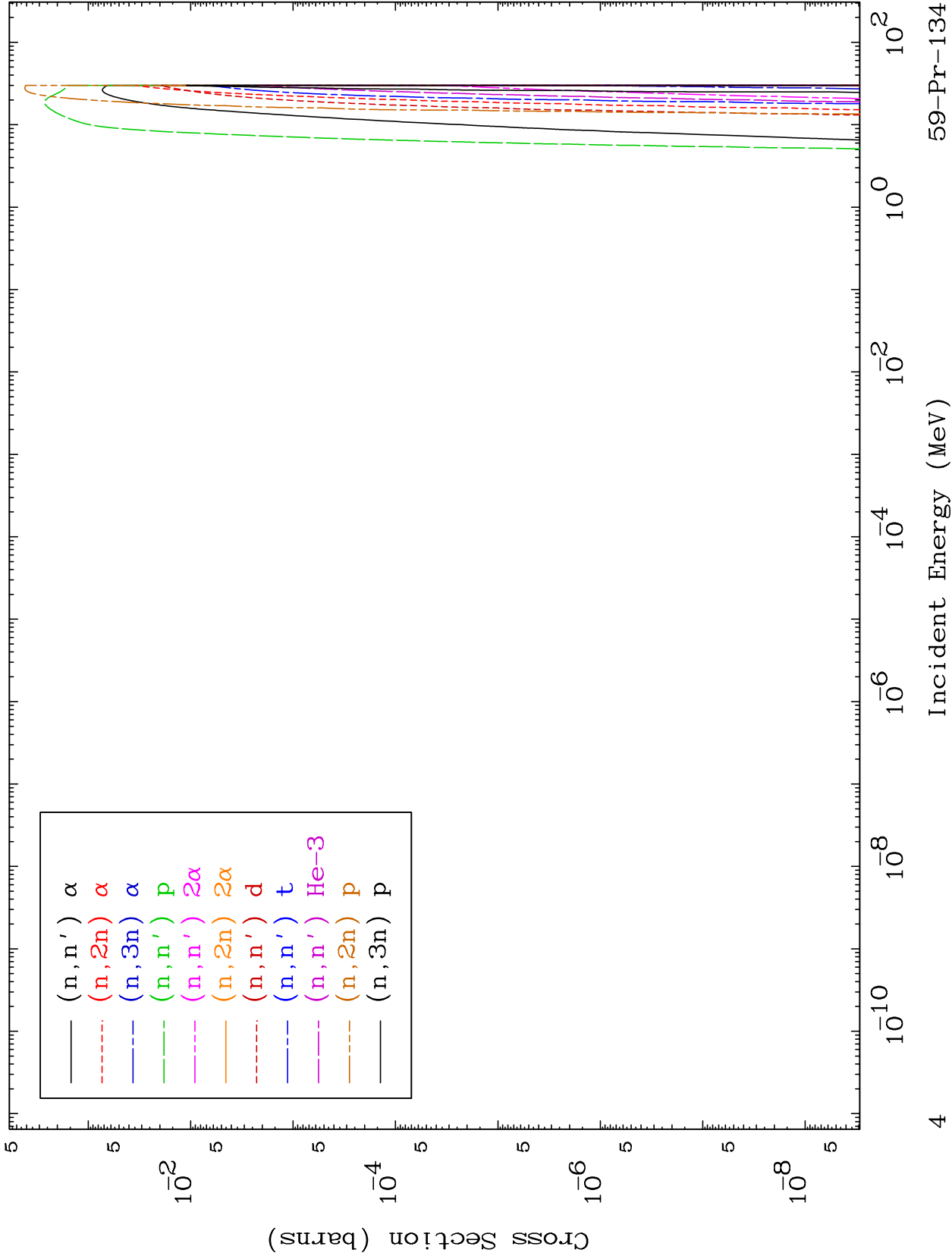




MAT 5904

Charged Particle
293 Kelvin Cross Sections

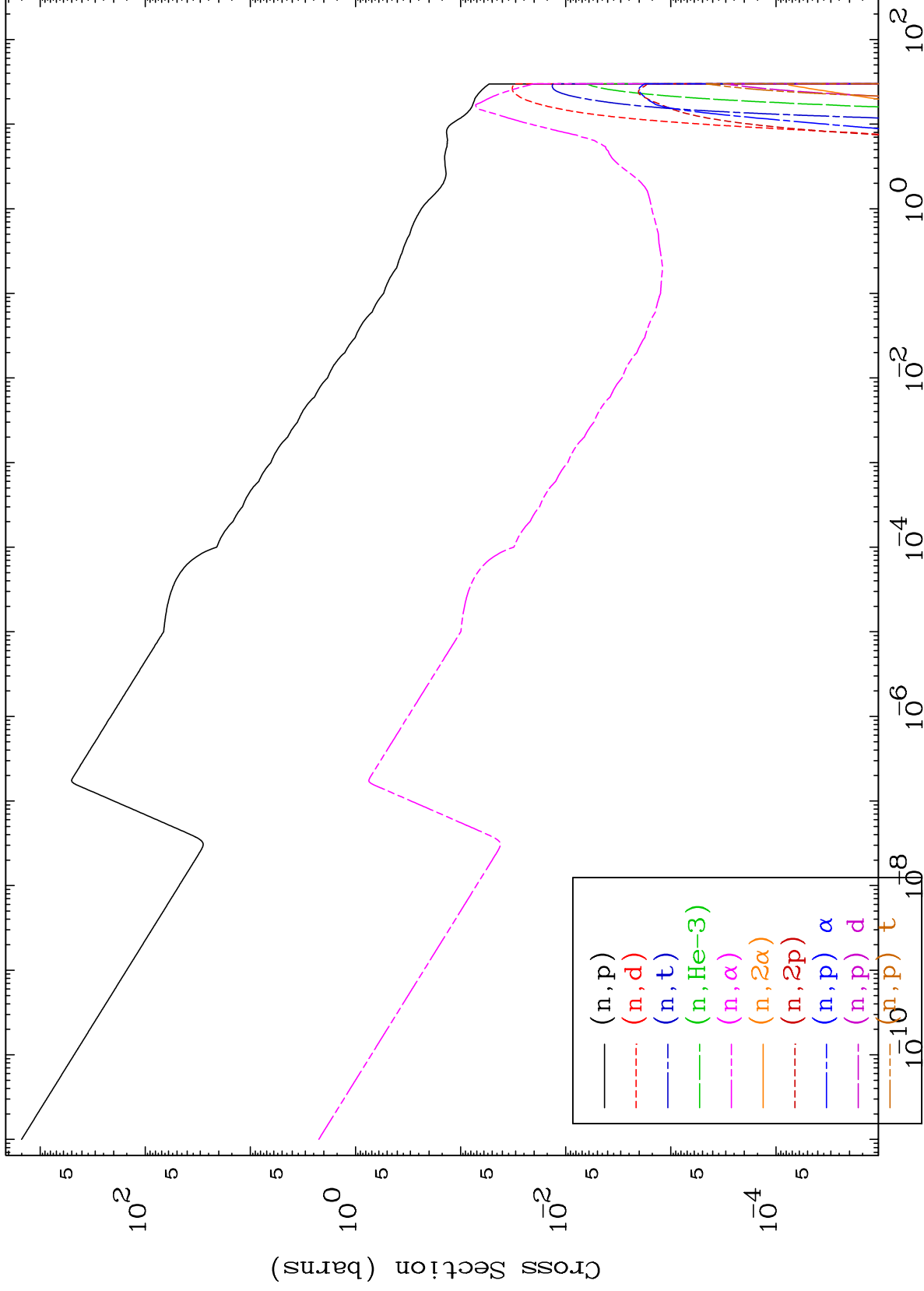
59-Pr-134



MAT 5904

Charged Particle
293 Kelvin Cross Sections

59-Pr-134



5

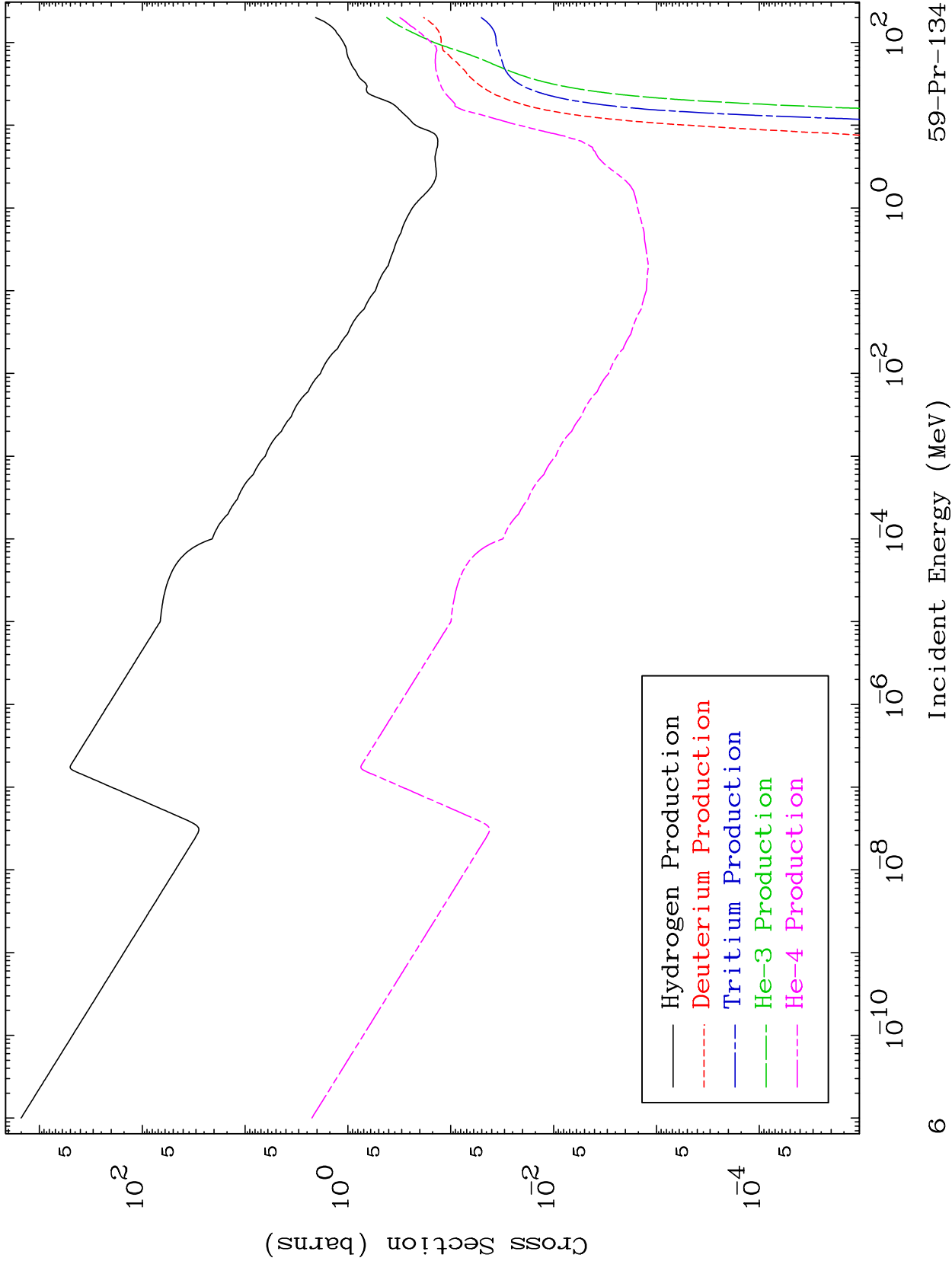
Incident Energy (MeV)

59-Pr-134

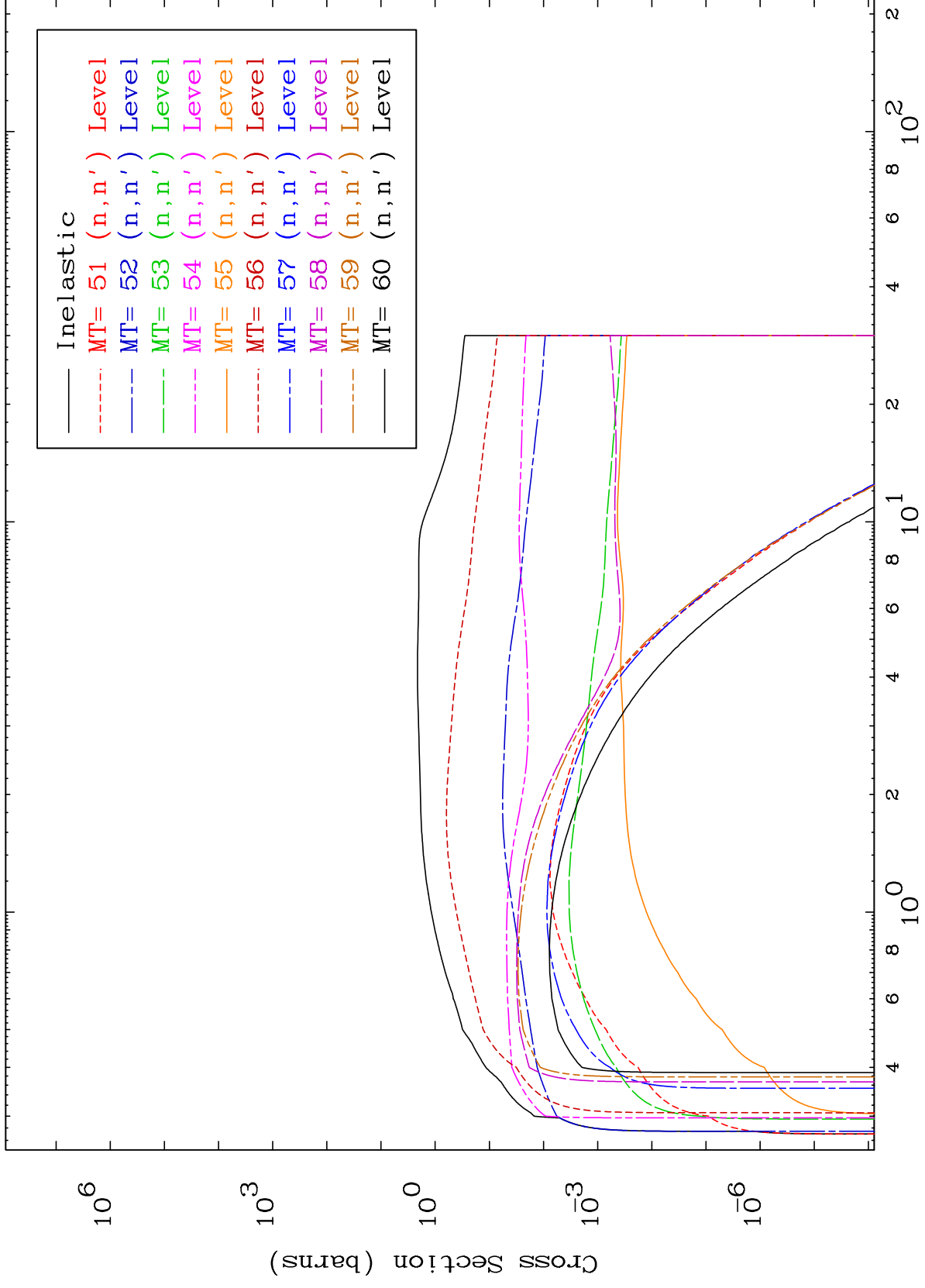
MAT 5904

Particle Production
293 Kelvin Cross Sections

59-Pr-134



293 Kelvin Cross Sections



MAT 5904

(n,n') Level

59-Pr-134

293 Kelvin Cross Sections

59-Pr-134

10^4

10^2

10^0

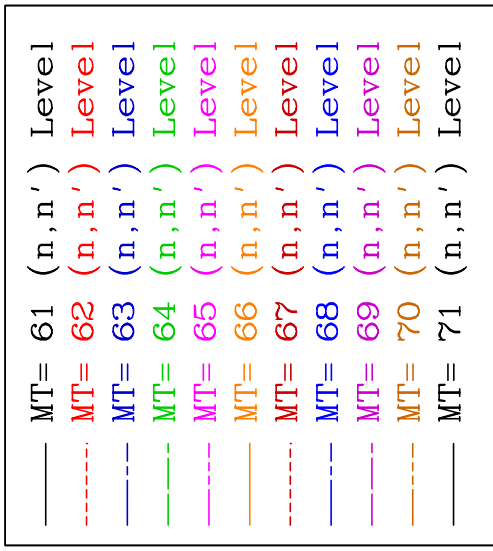
10^{-2}

10^{-4}

10^{-6}

10^{-8}

Cross Section (barns)



4 6 8 10^0 2 4 6 8 10^1 2 4 6 8 10^2 2

Incident Energy (MeV)

59-Pr-134

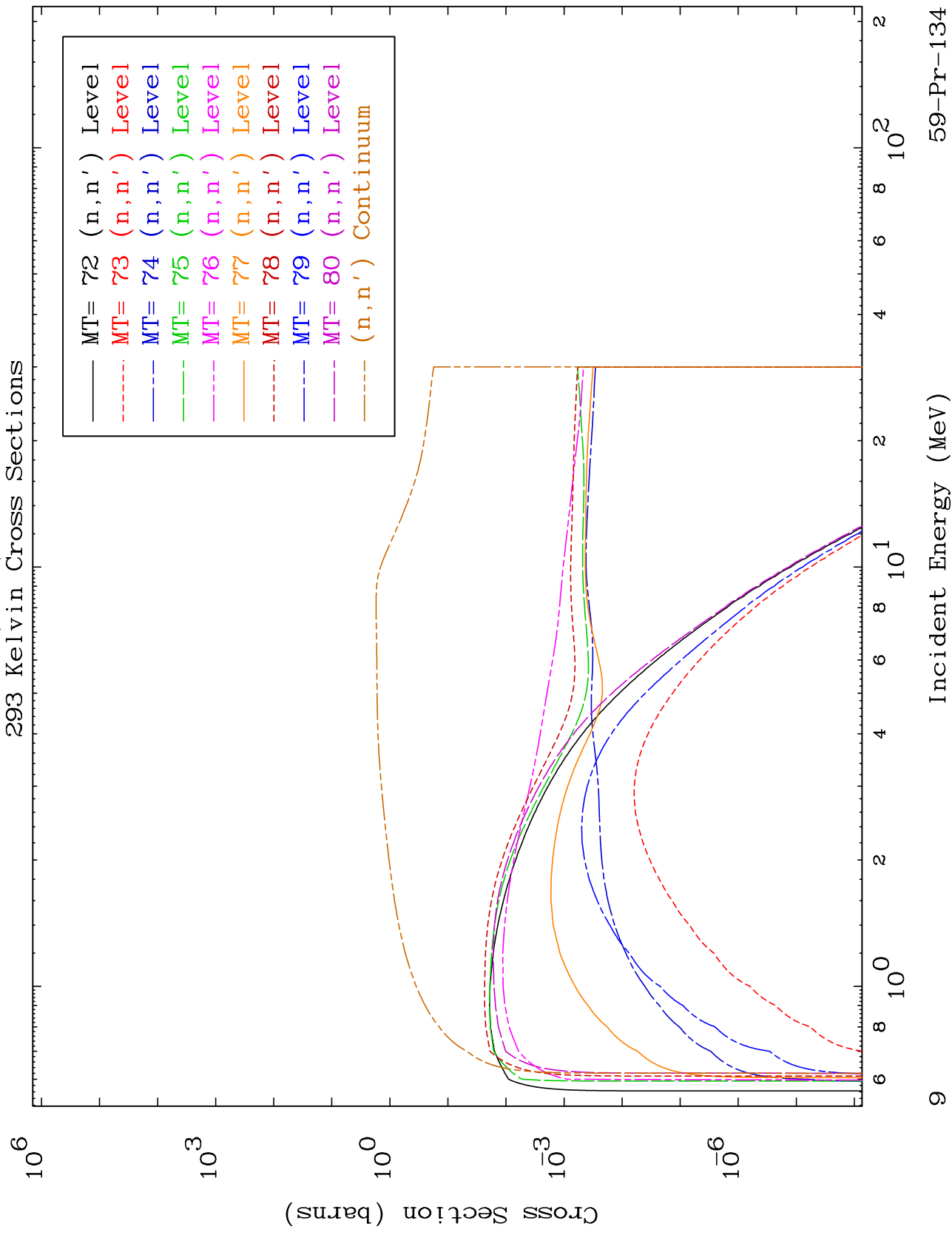
8

MAT 5904

(n,n') Level

59-Pr-134

293 Kelvin Cross Sections



9

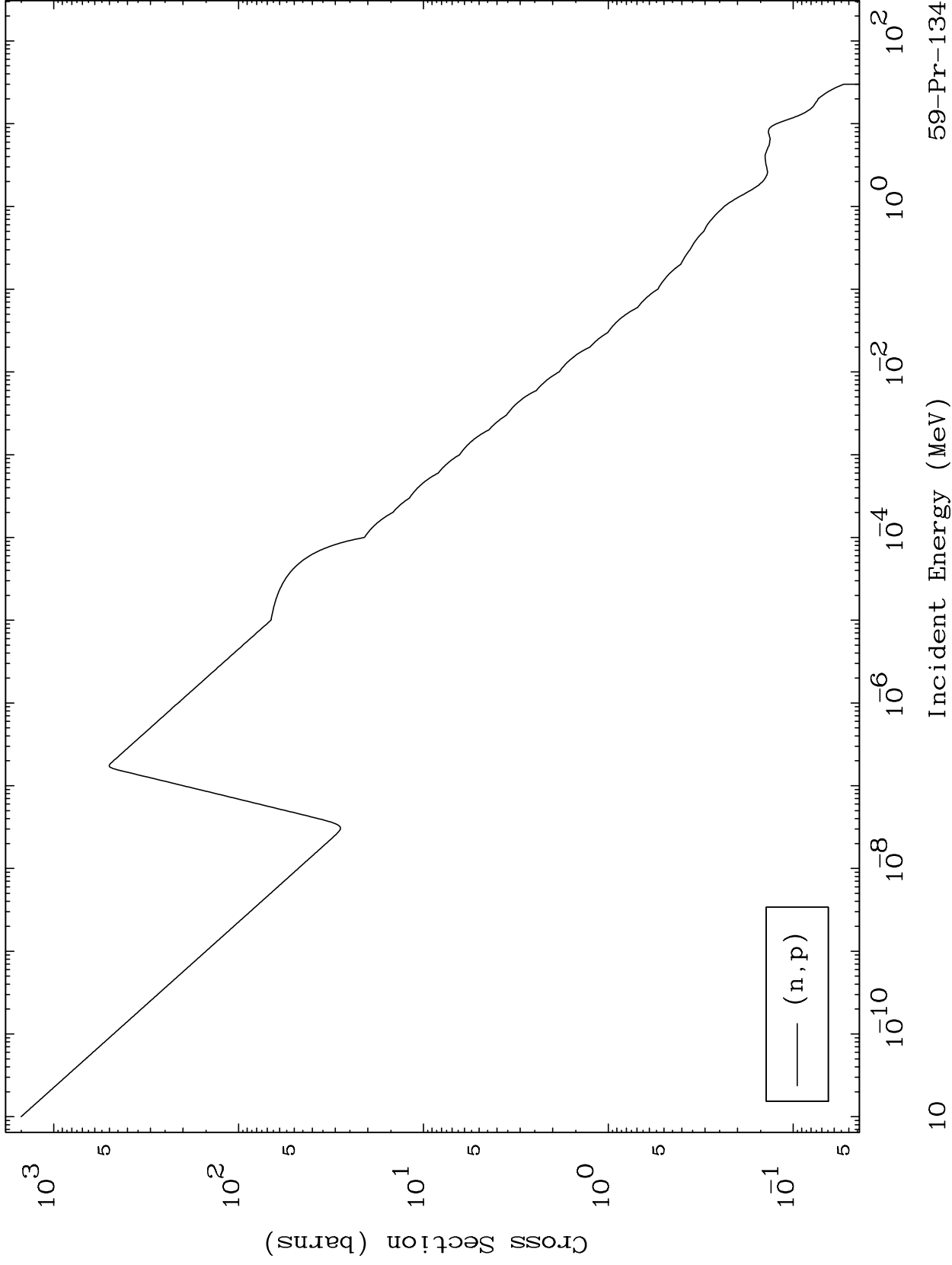
Incident Energy (MeV)

59-Pr-134

MAT 5904

(n,p) Levels
293 Kelvin Cross Sections

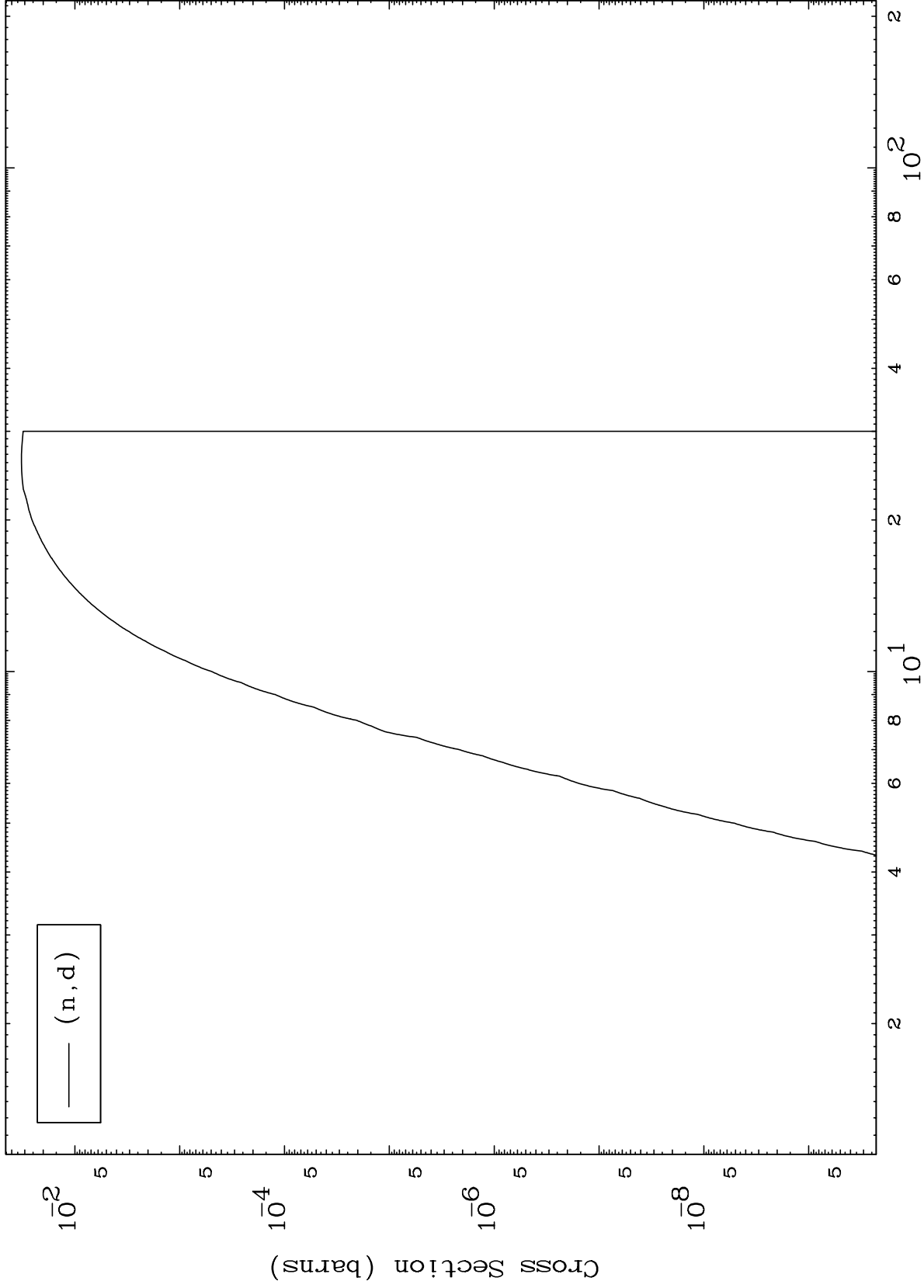
59-Pr-134



MAT 5904

(n,d) Levels
293 Kelvin Cross Sections

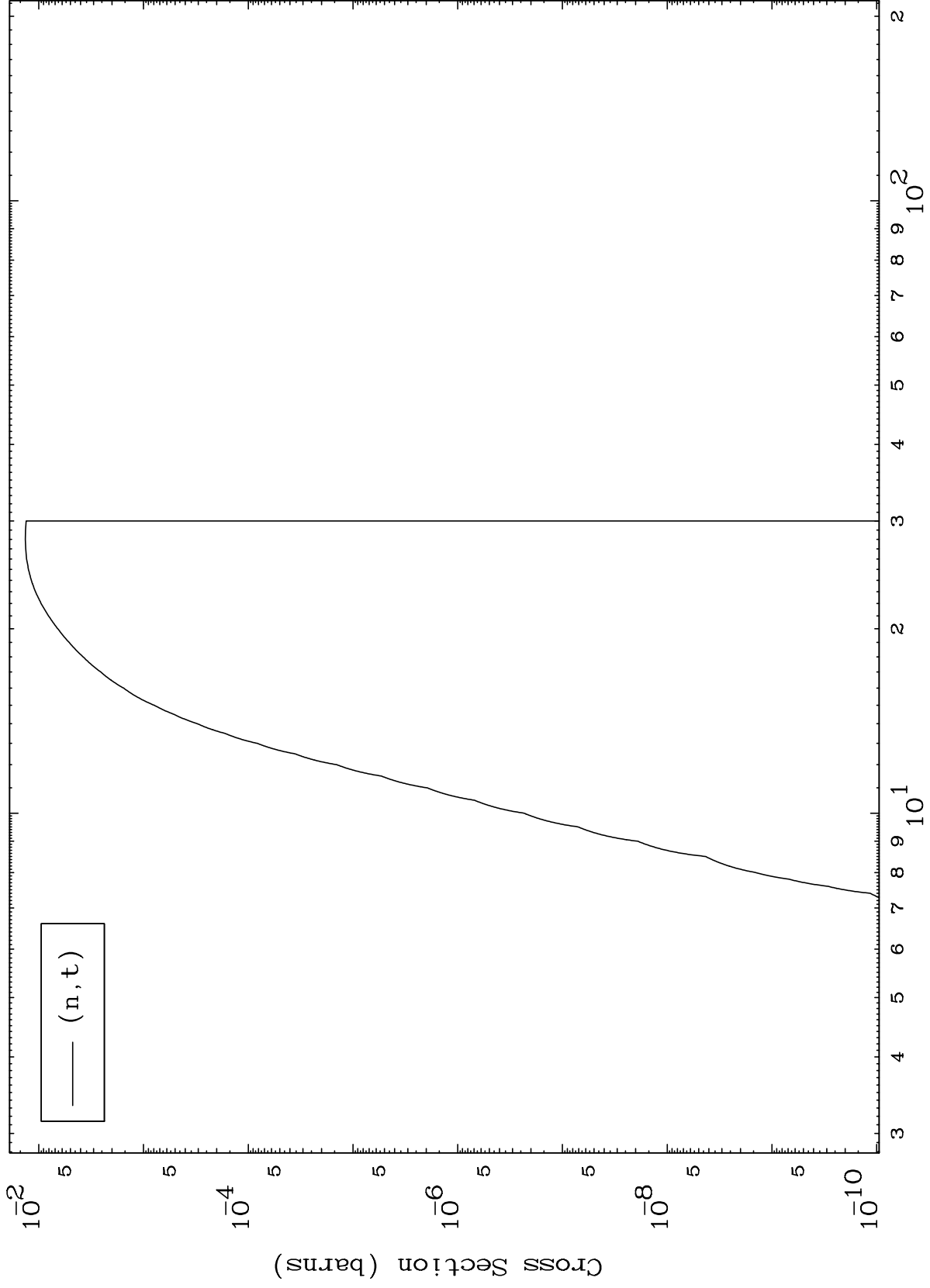
59-Pr-134



MAT 5904

(n,t) Levels
293 Kelvin Cross Sections

59-Pr-134



12

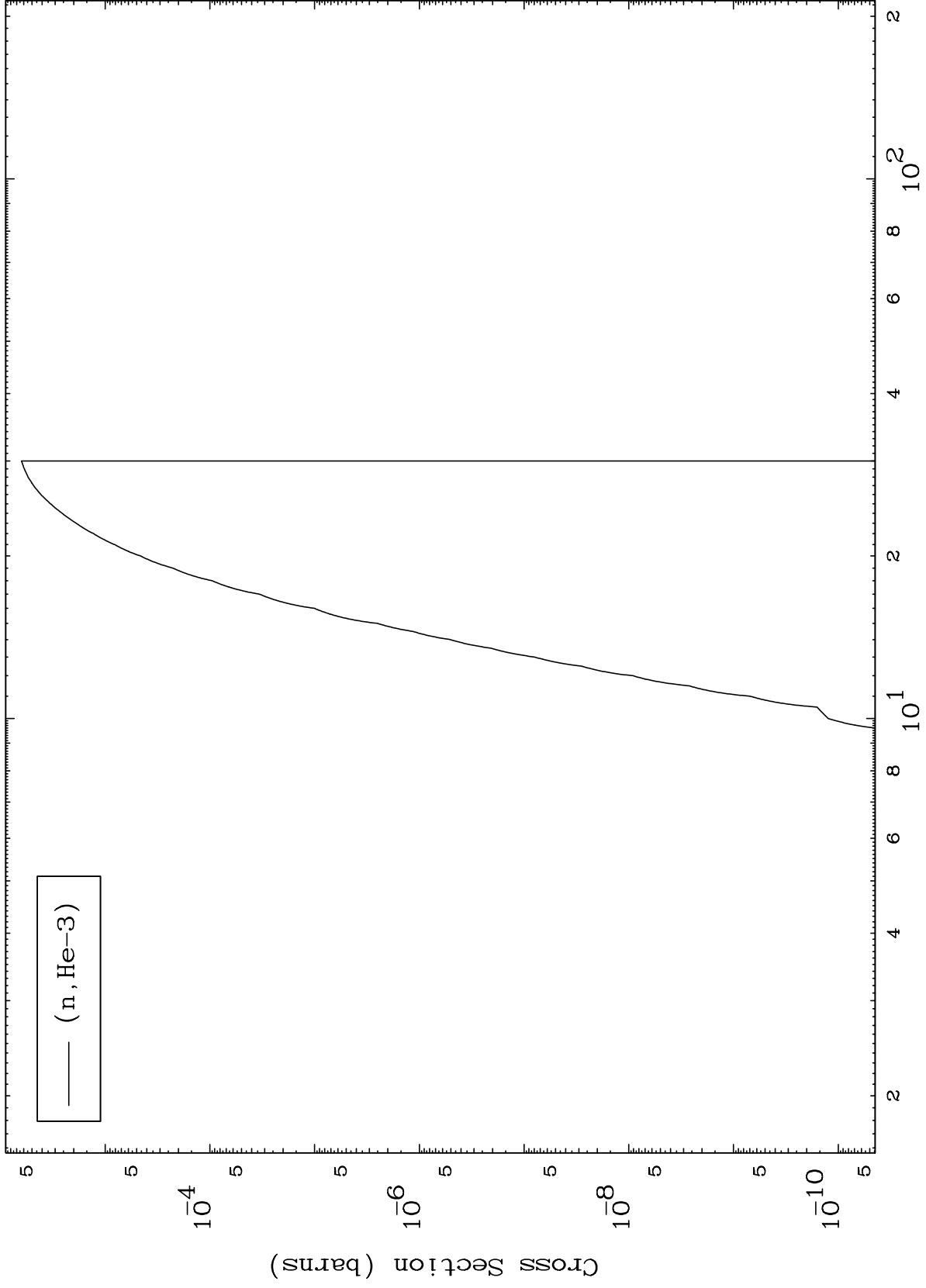
Incident Energy (MeV)

59-Pr-134

MAT 5904

(n,He3) Levels
293 Kelvin Cross Sections

59-Pr-134



13

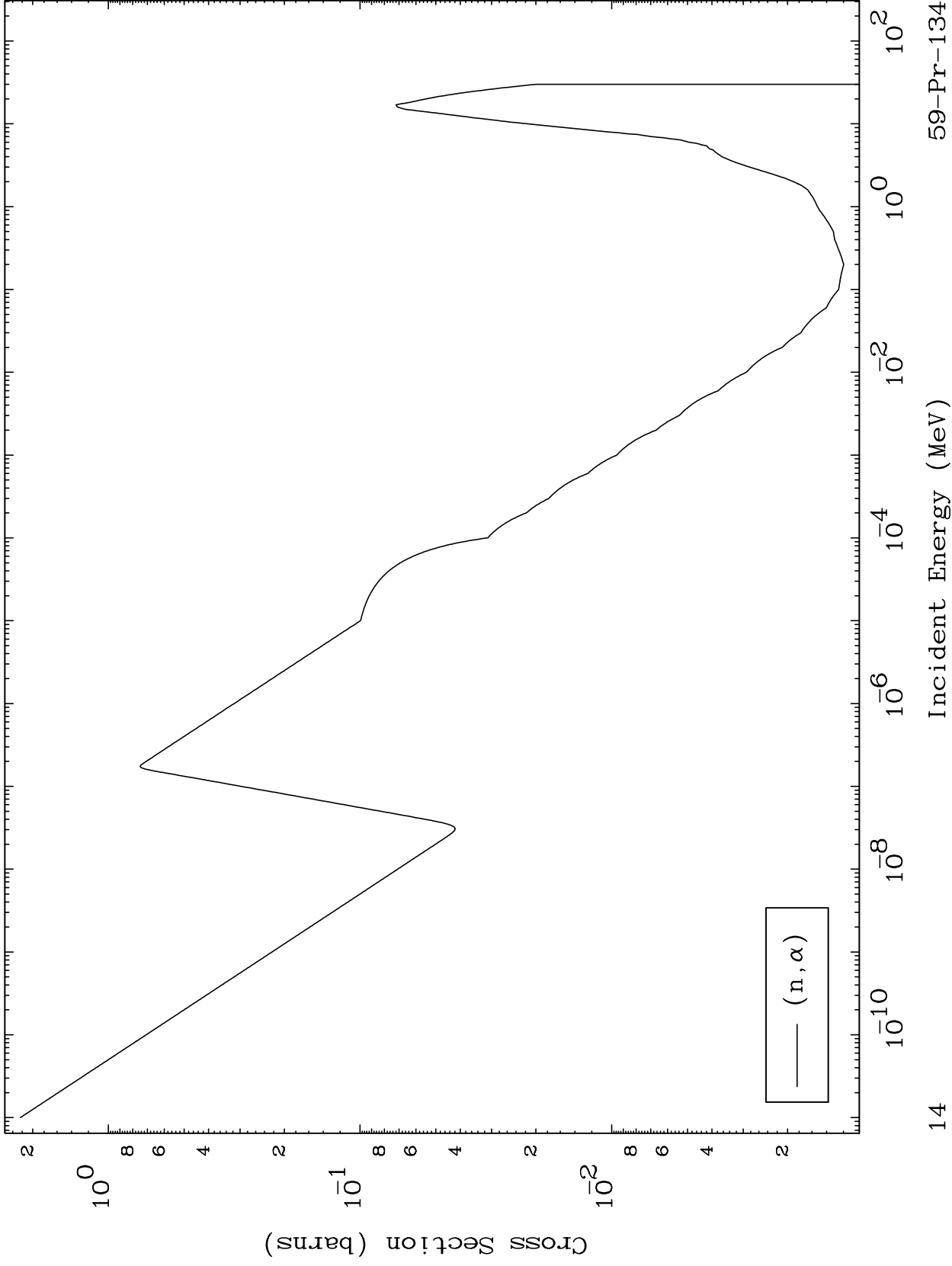
Incident Energy (MeV)

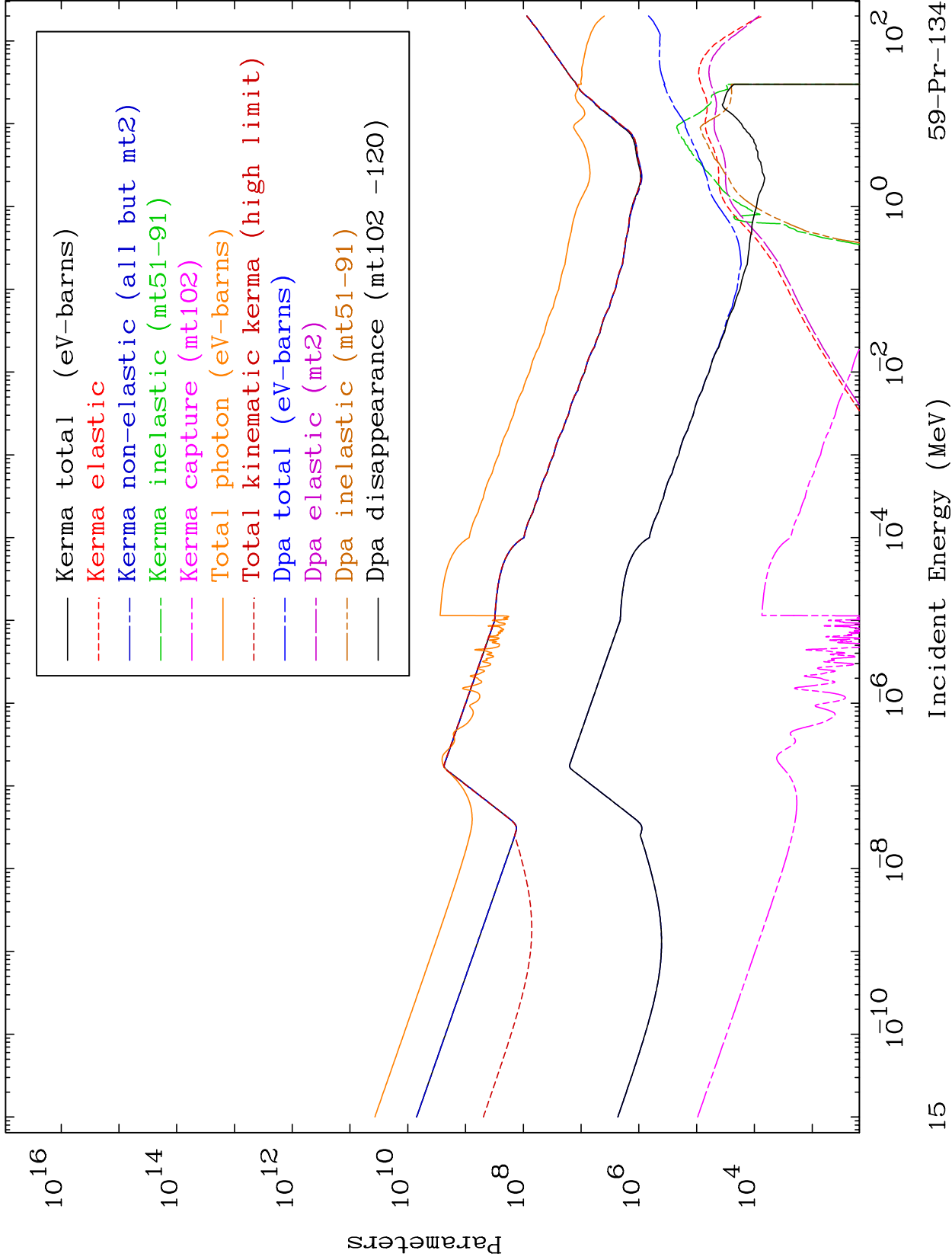
59-Pr-134

MAT 5904

(n,α) Levels
293 Kelvin Cross Sections

59-Pr-134

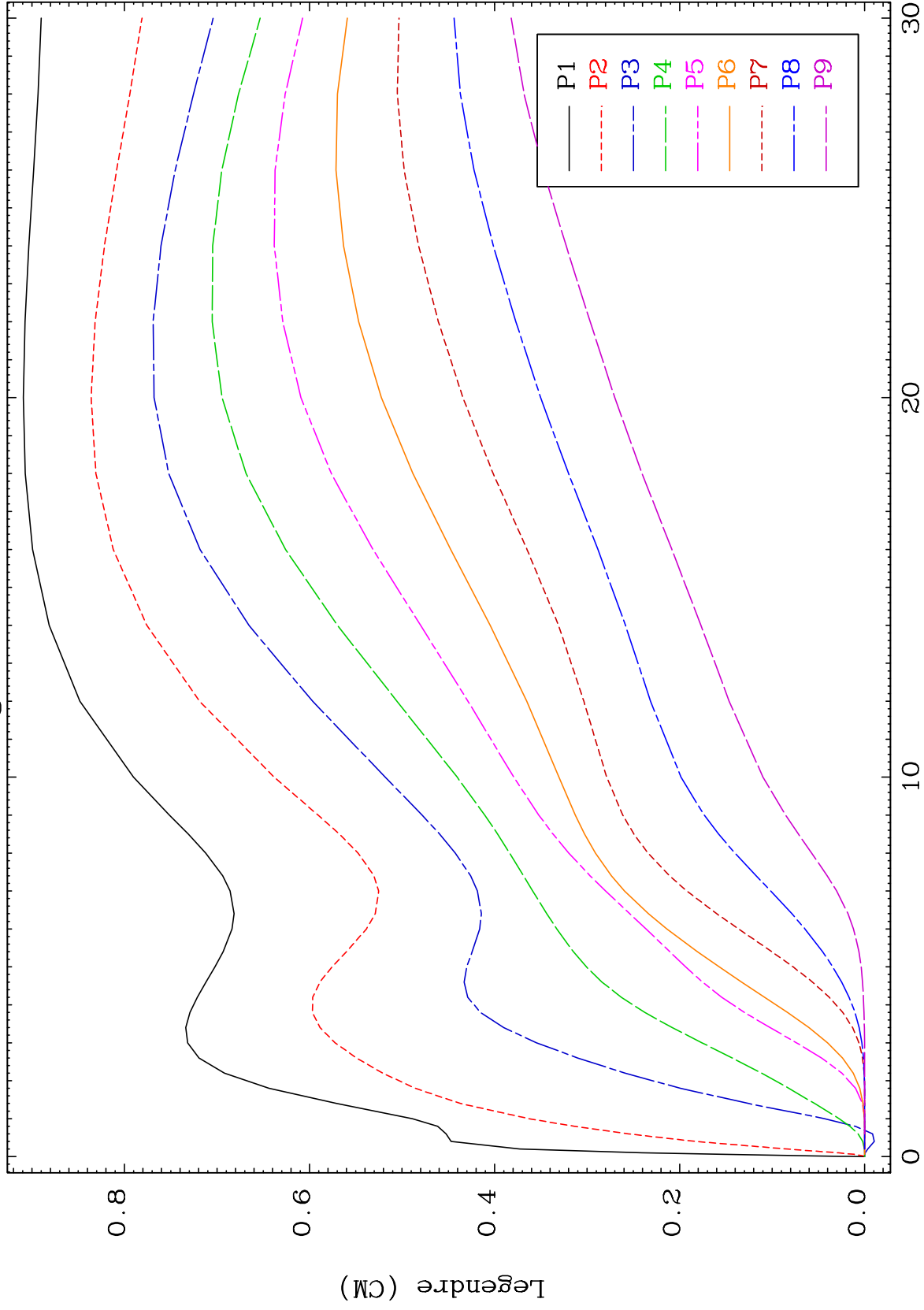




MAT 5904

Elastic Legendre Coefficients

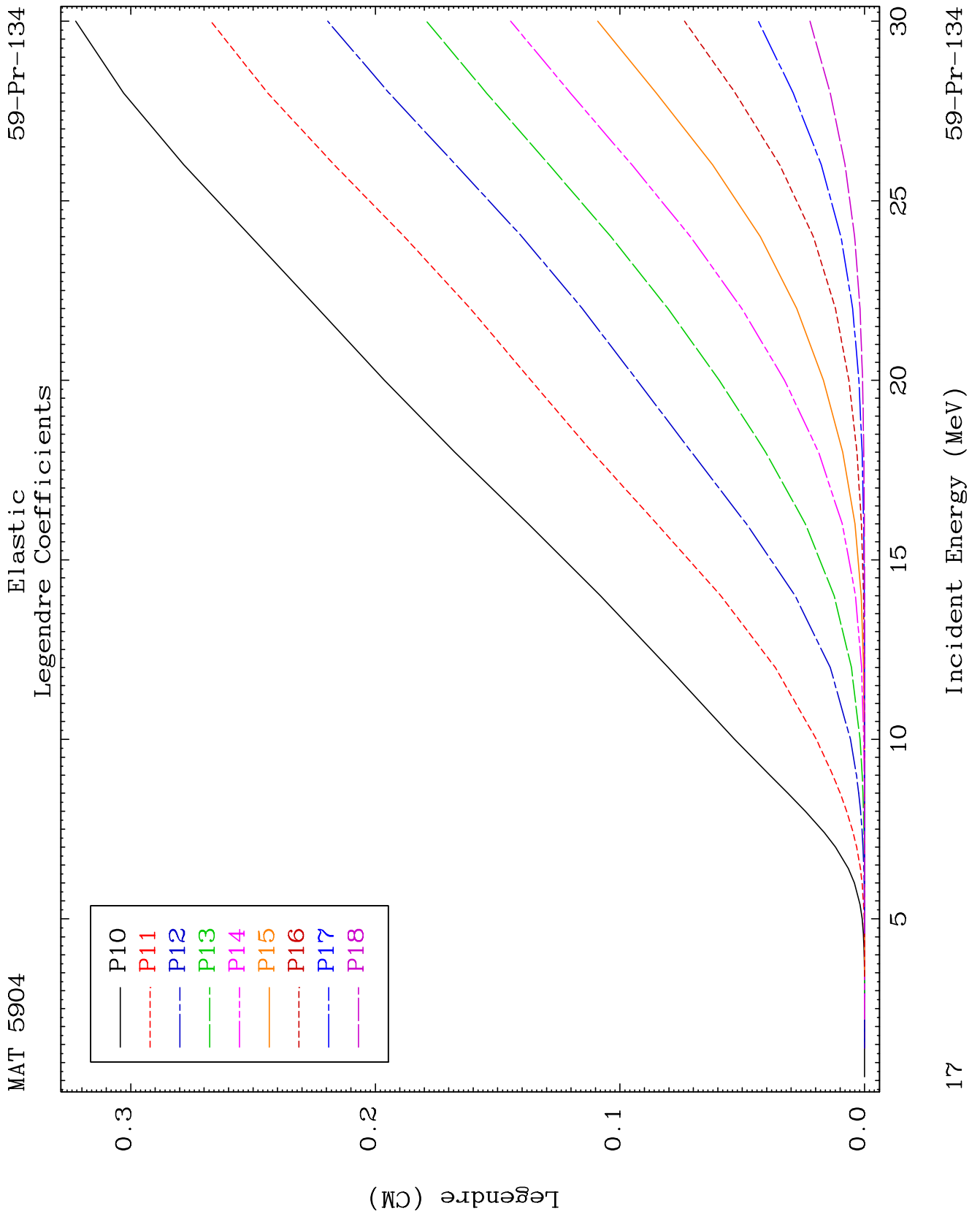
59-Pr-134



16

Incident Energy (MeV)

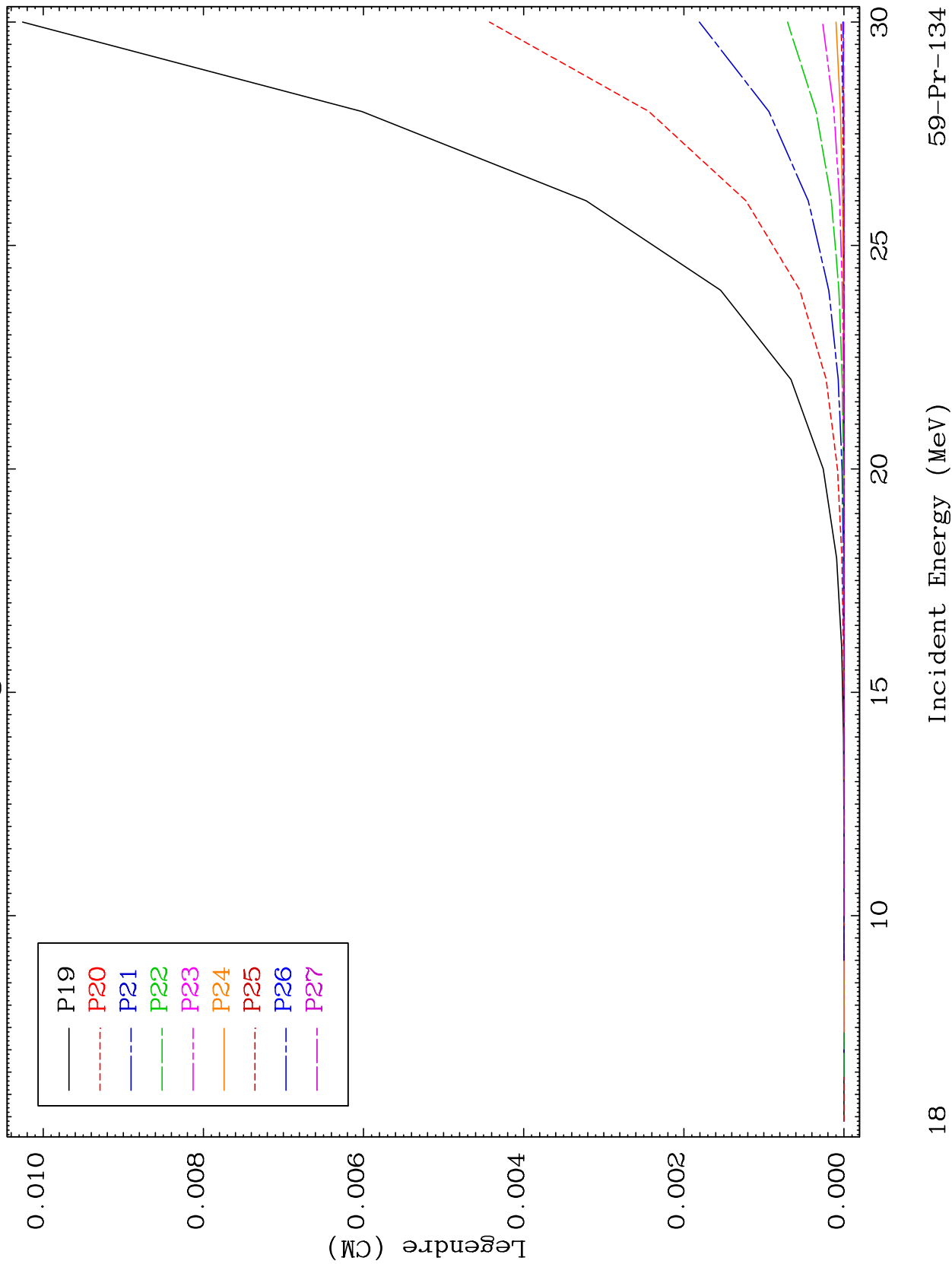
59-Pr-134



MAT 5904

Elastic Legendre Coefficients

59-Pr-134



18

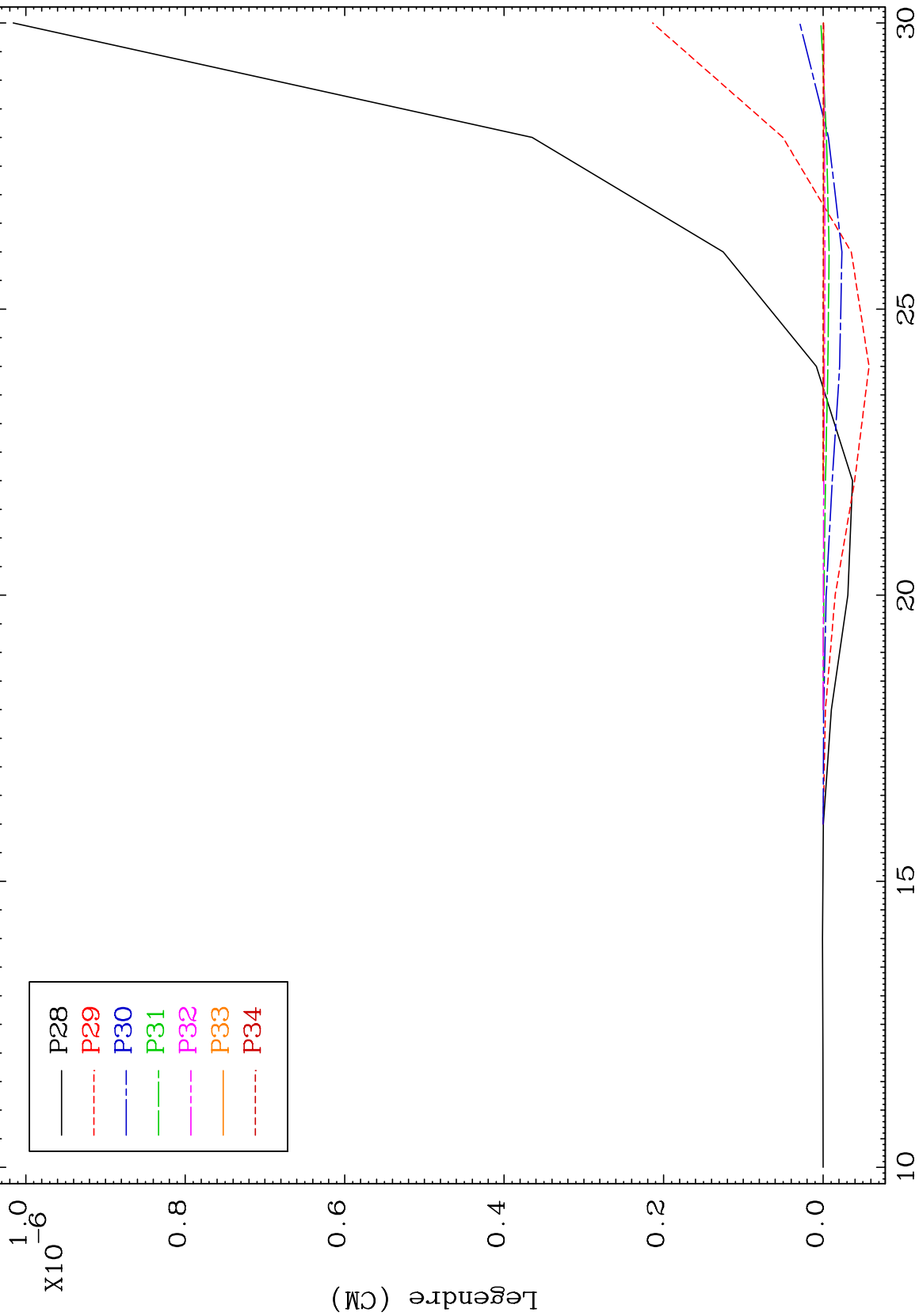
Incident Energy (MeV)

59-Pr-134

MAT 5904

Elastic
Legendre Coefficients

59-Pr-134



19

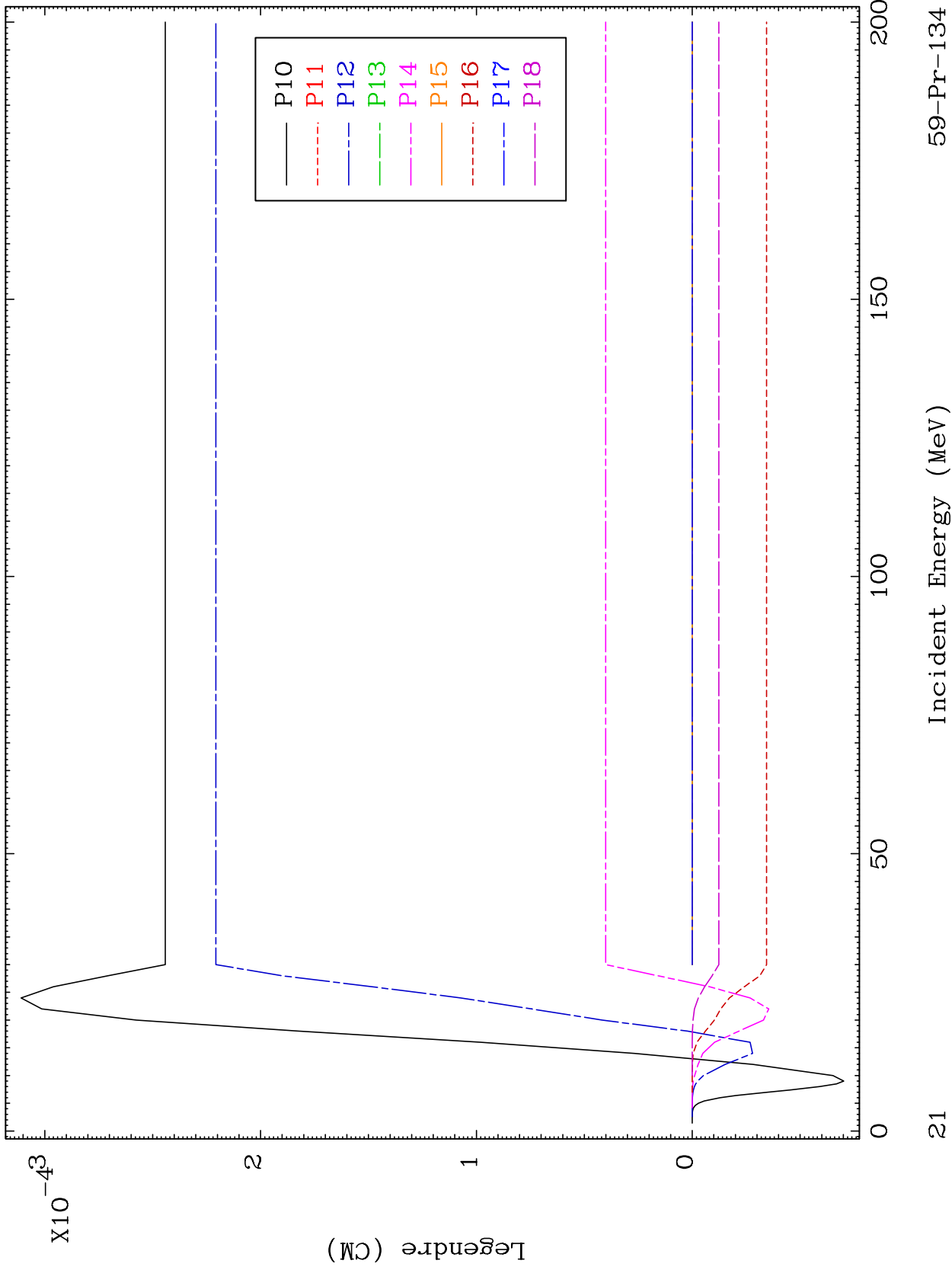
Incident Energy (MeV)

59-Pr-134

MAT 5904

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

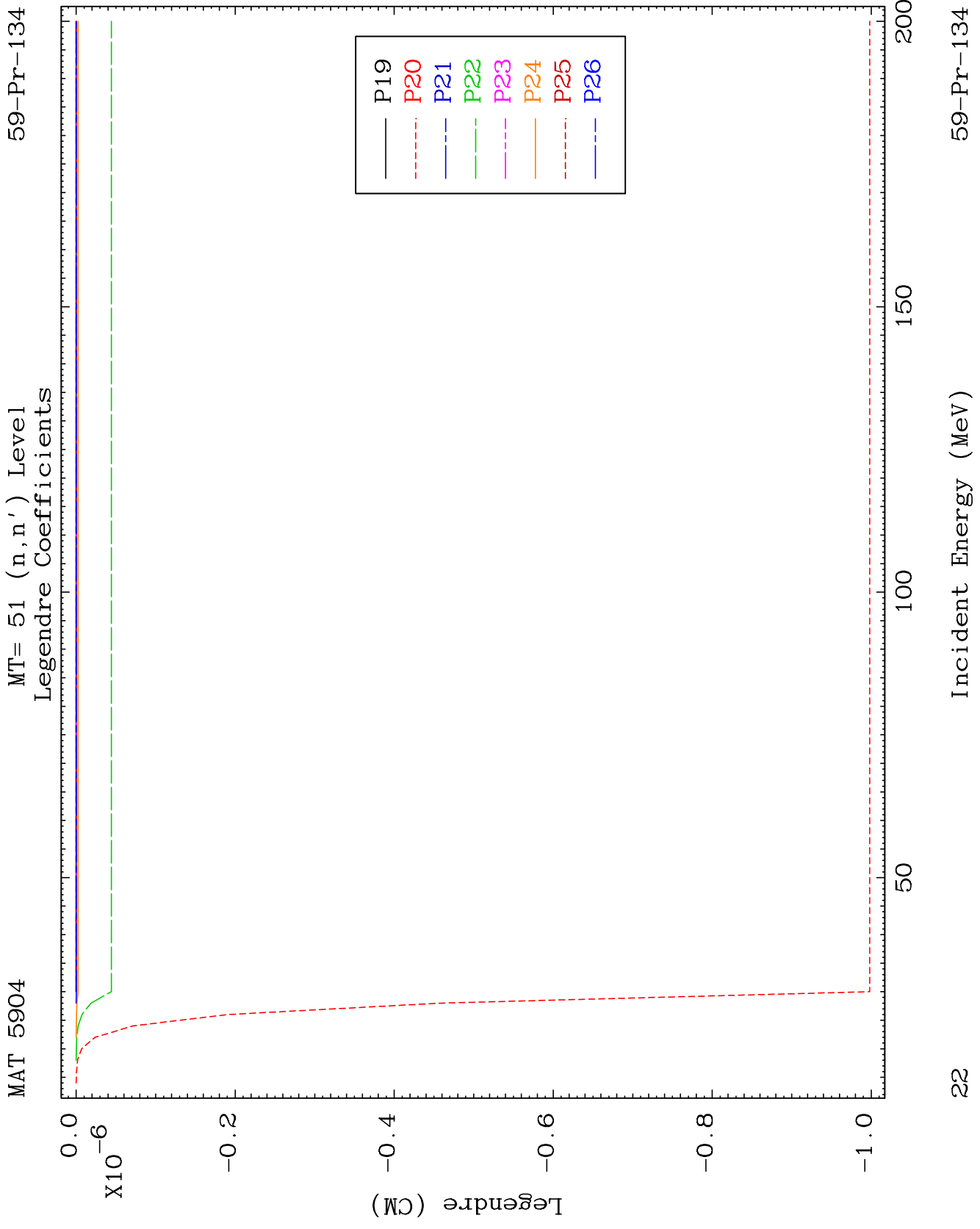
59-Pr-134



21

Incident Energy (MeV)

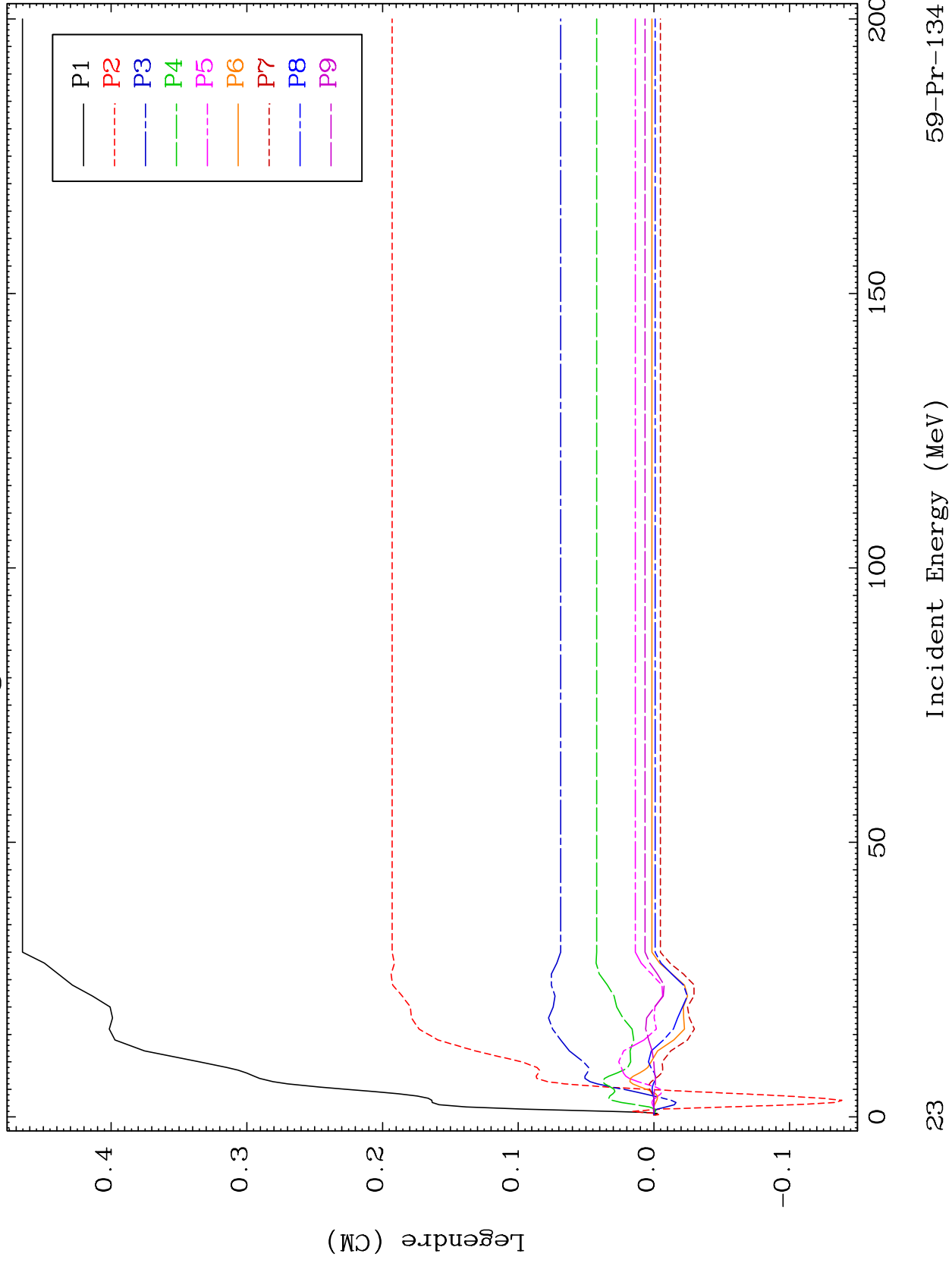
59-Pr-134



MAT 5904

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

59-Pr-134



59-Pr-134

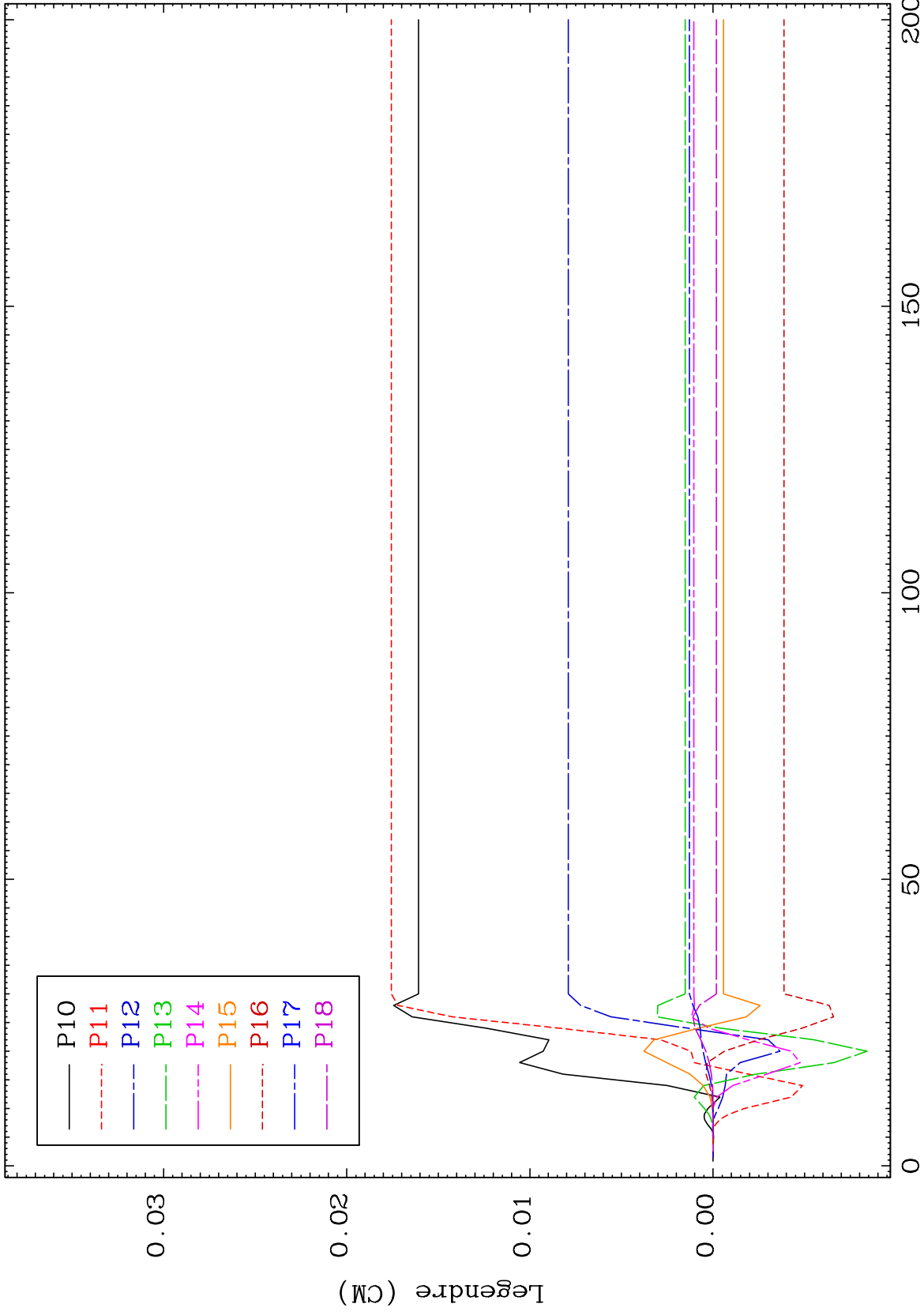
Incident Energy (MeV)

23

MAT 5904

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

59-Pr-134



24

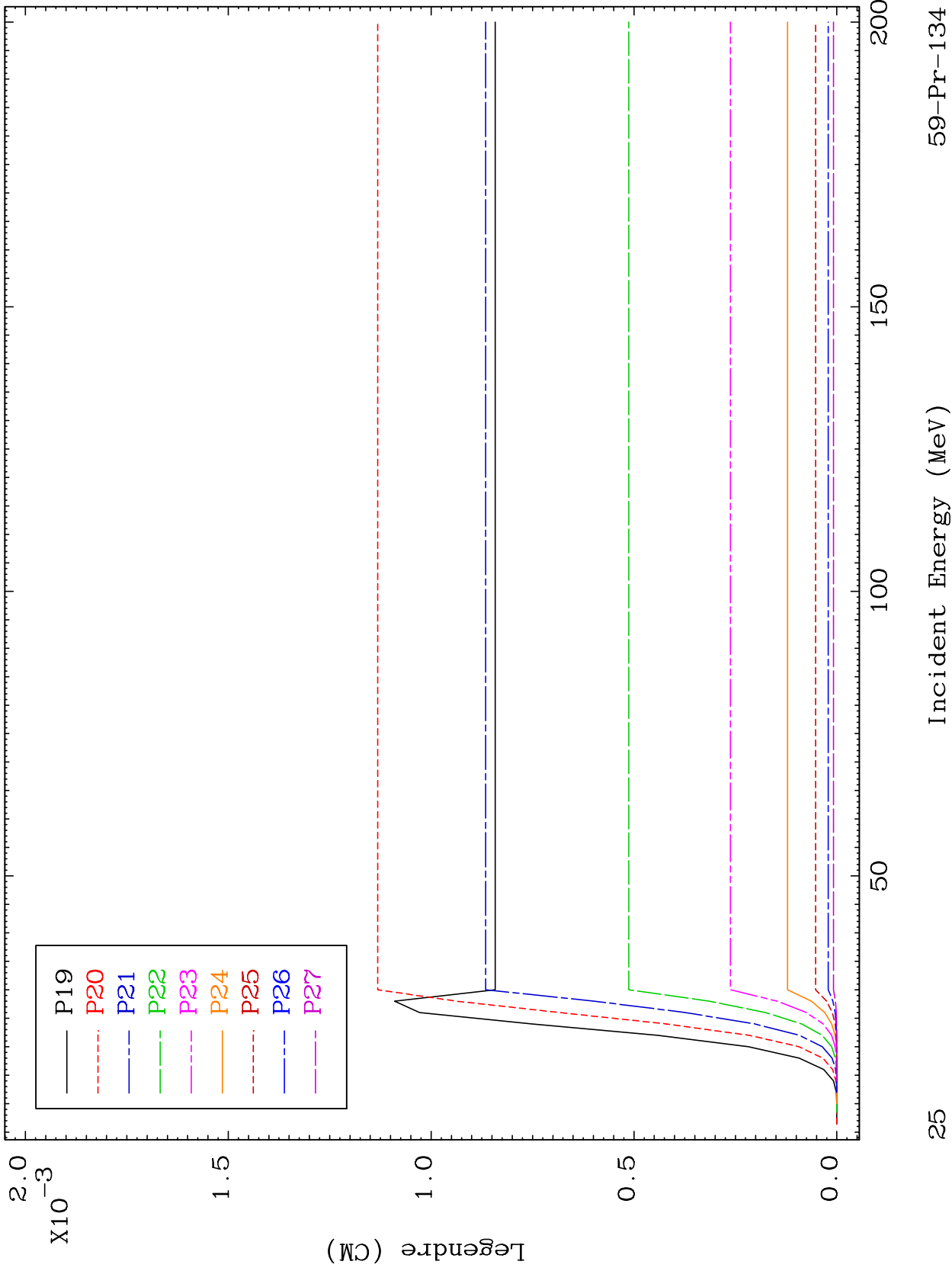
Incident Energy (MeV)

59-Pr-134

MAT 5904

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

59-Pr-134



25

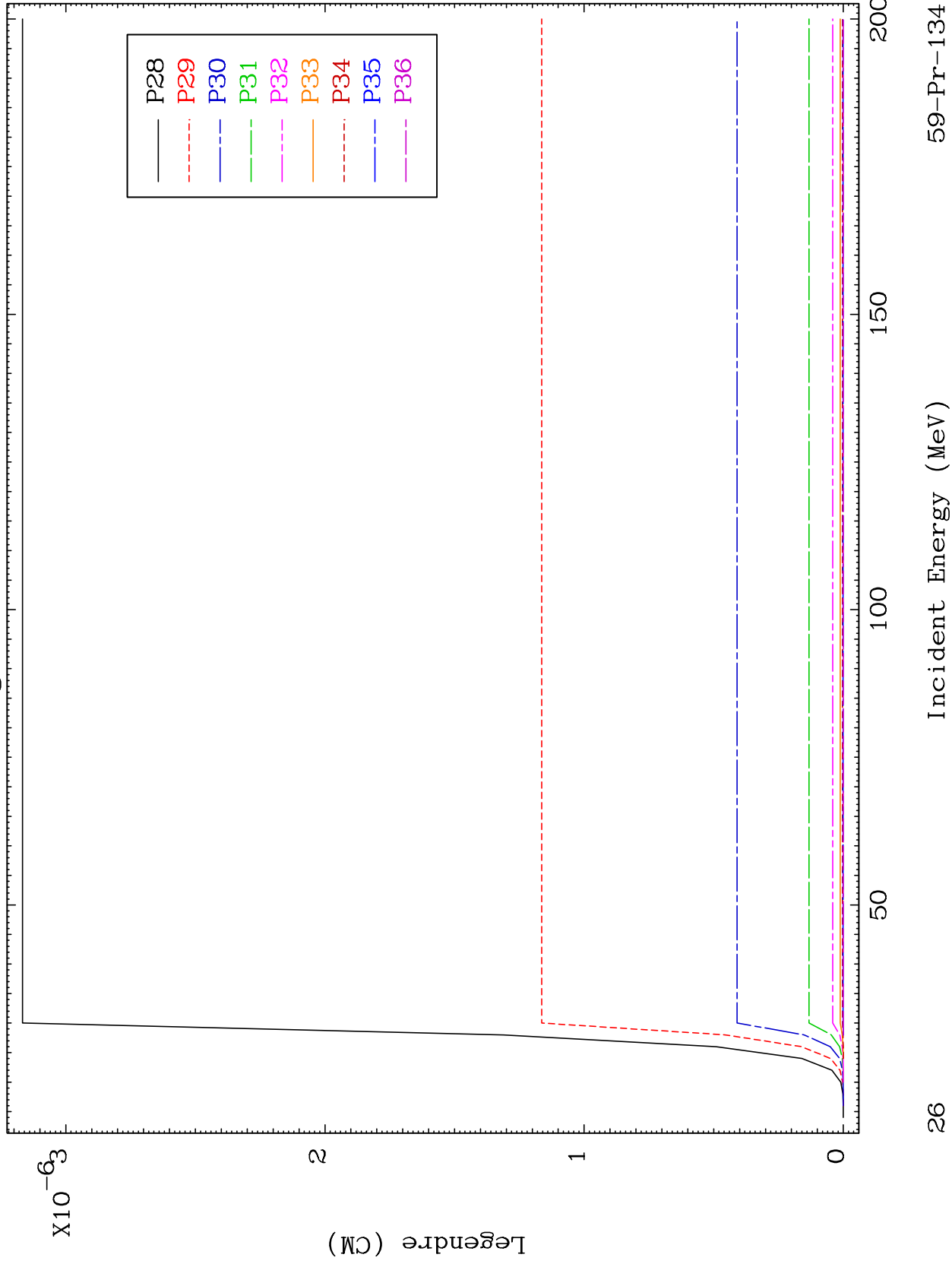
Incident Energy (MeV)

59-Pr-134

MAT 5904

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

59-Pr-134



26

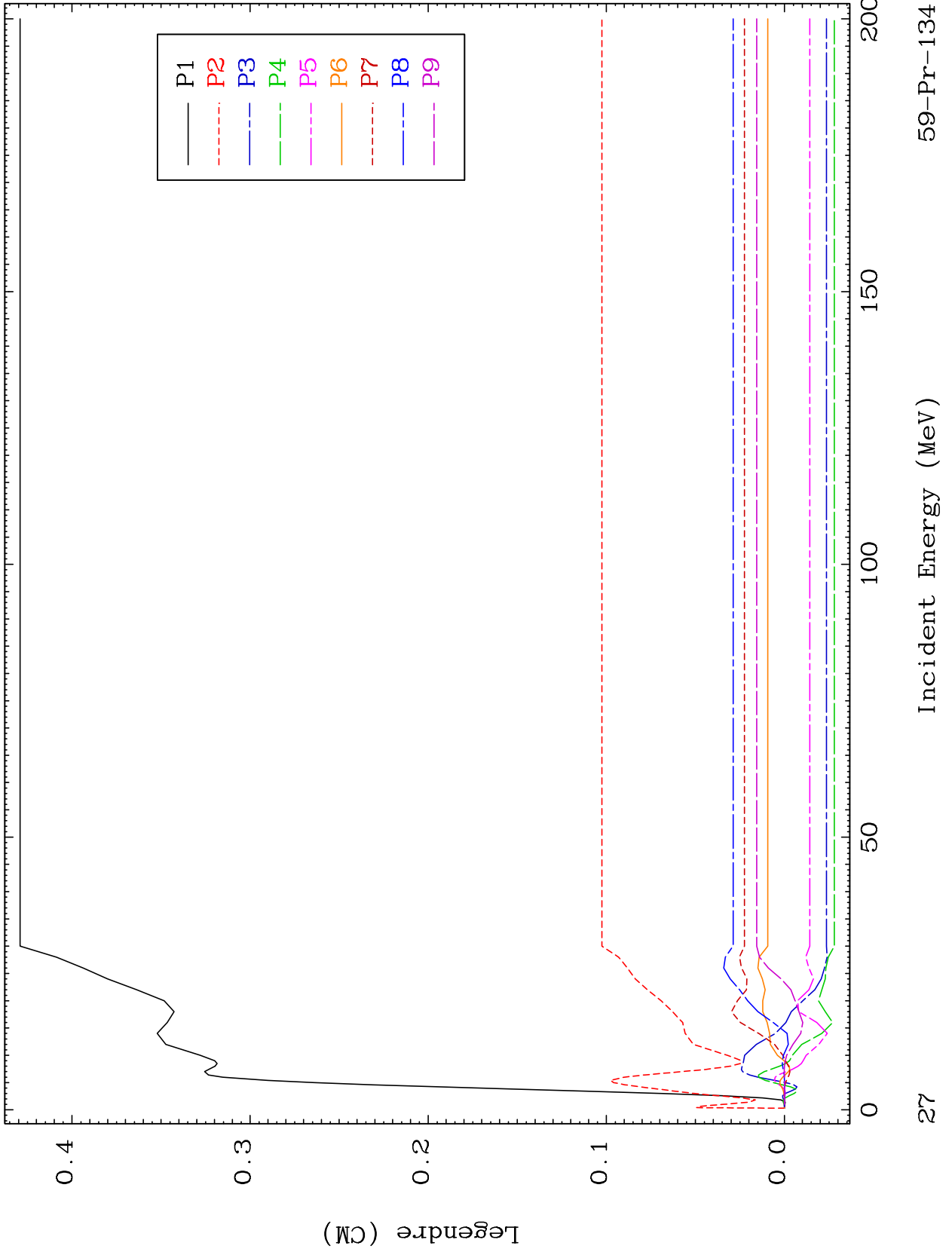
Incident Energy (MeV)

59-Pr-134

MAT 5904

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

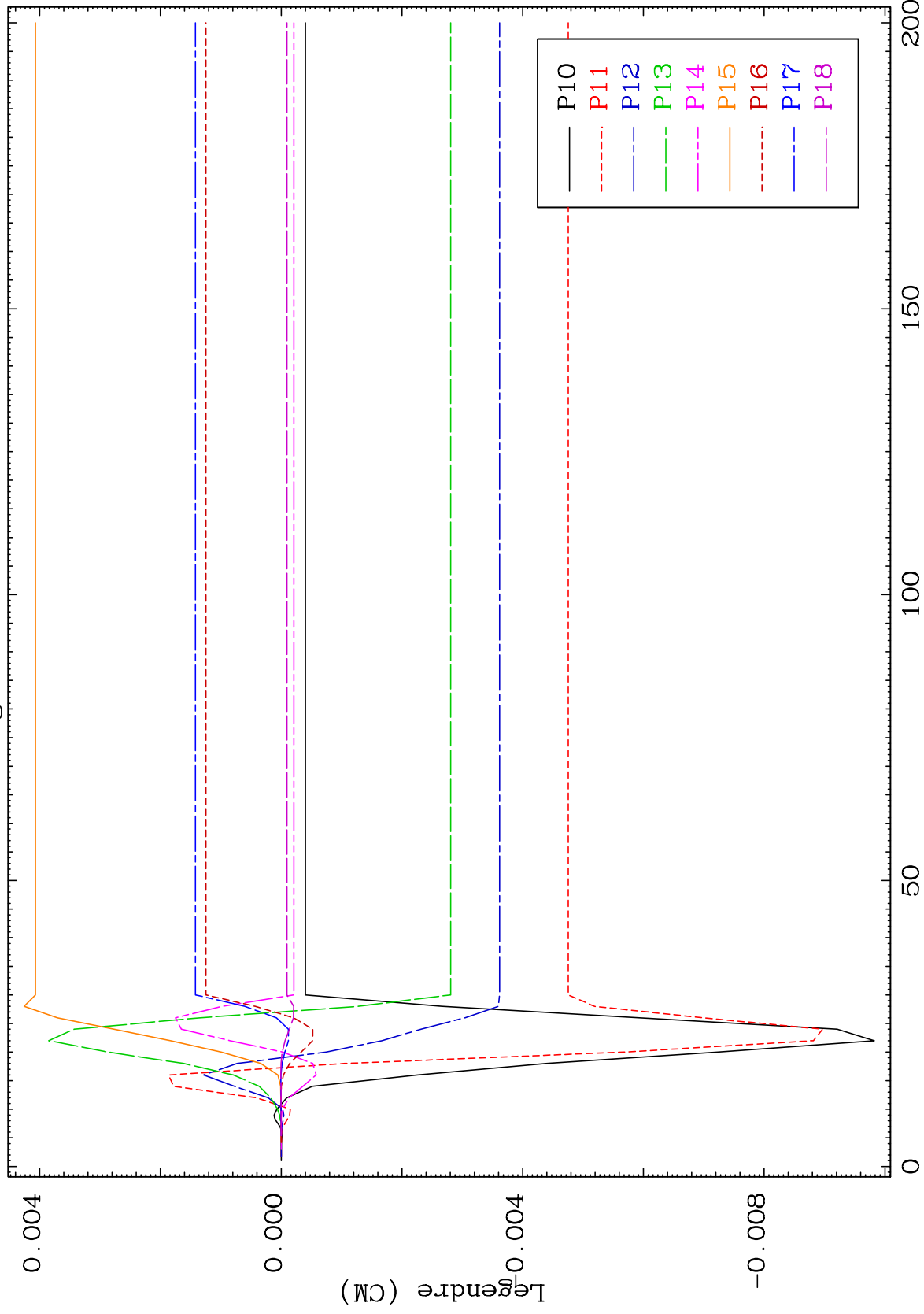
59-Pr-134



MAT 5904

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

59-Pr-134



28

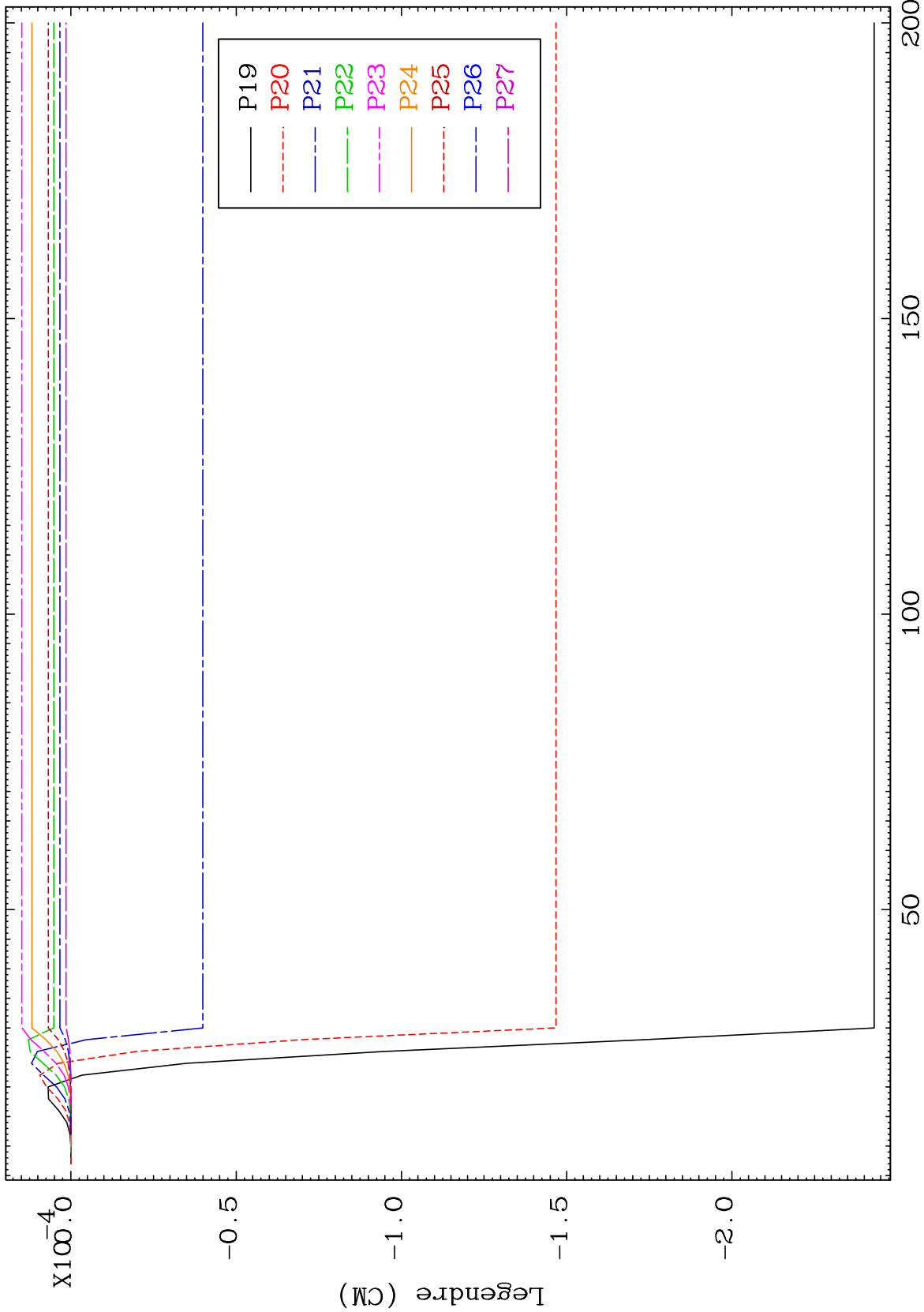
Incident Energy (MeV)

59-Pr-134

MAT 5904

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

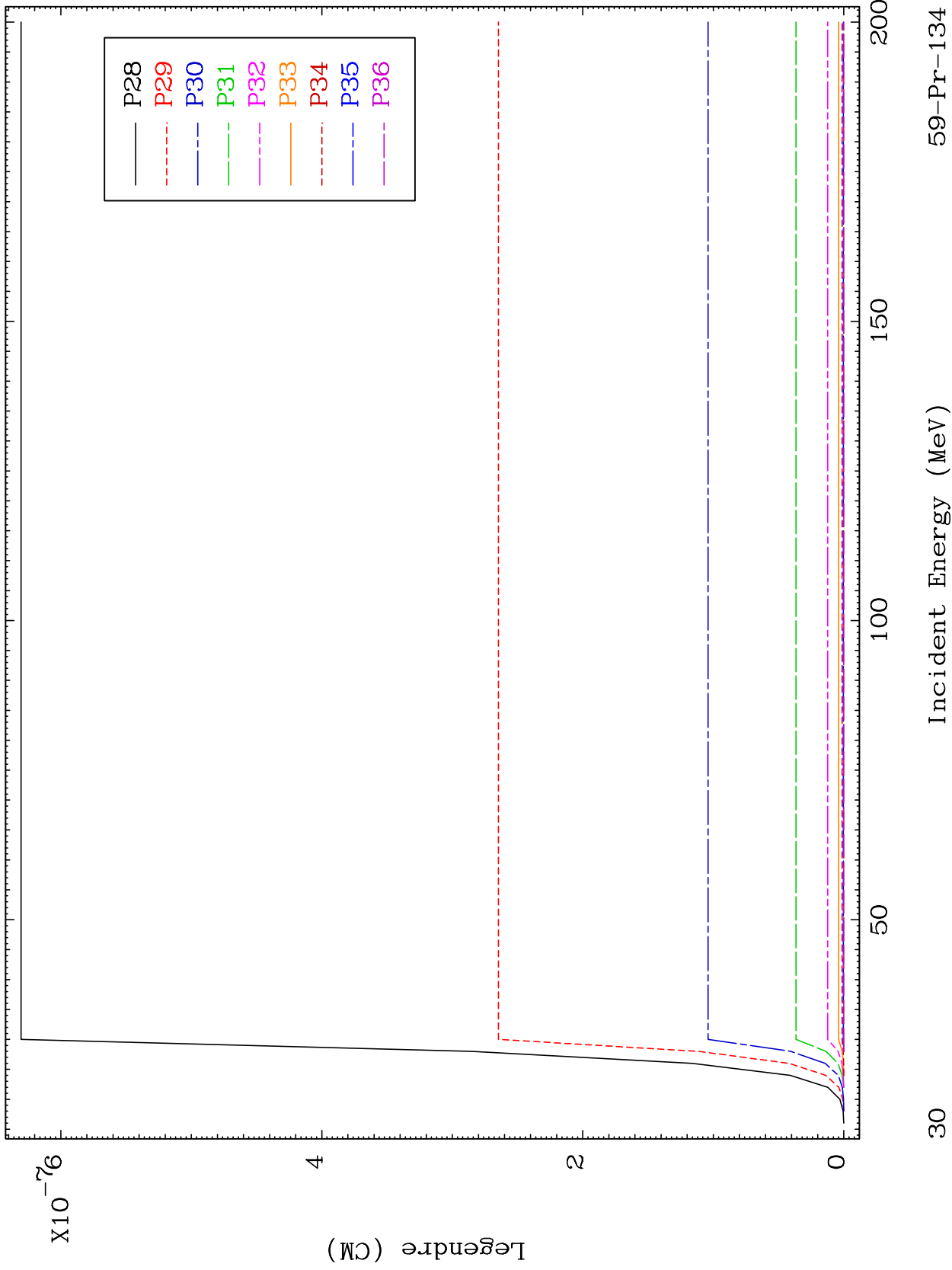
59-Pr-134



MAT 5904

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

59-Pr-134



30

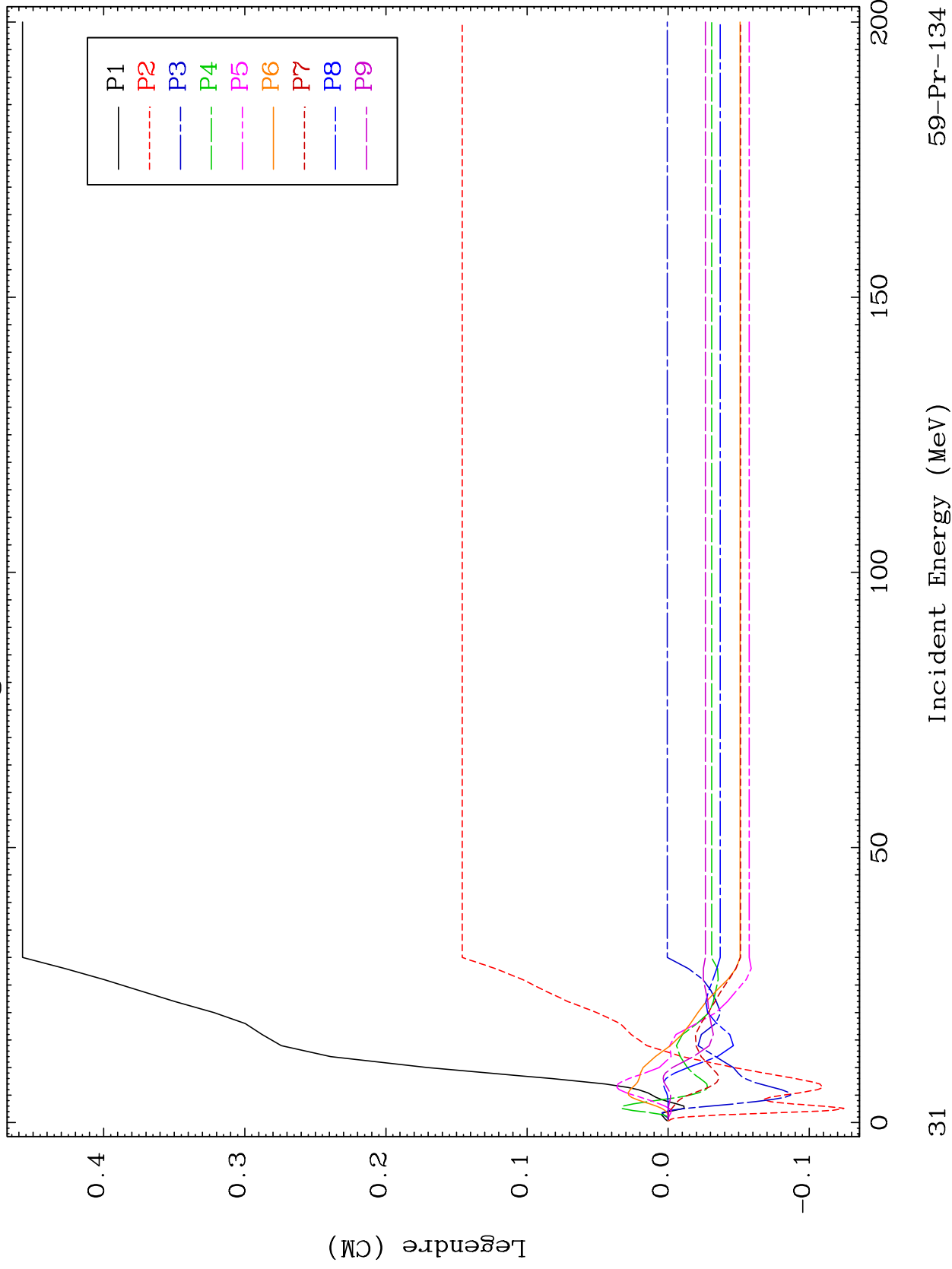
Incident Energy (MeV)

59-Pr-134

MAT 5904

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

59-Pr-134



59-Pr-134

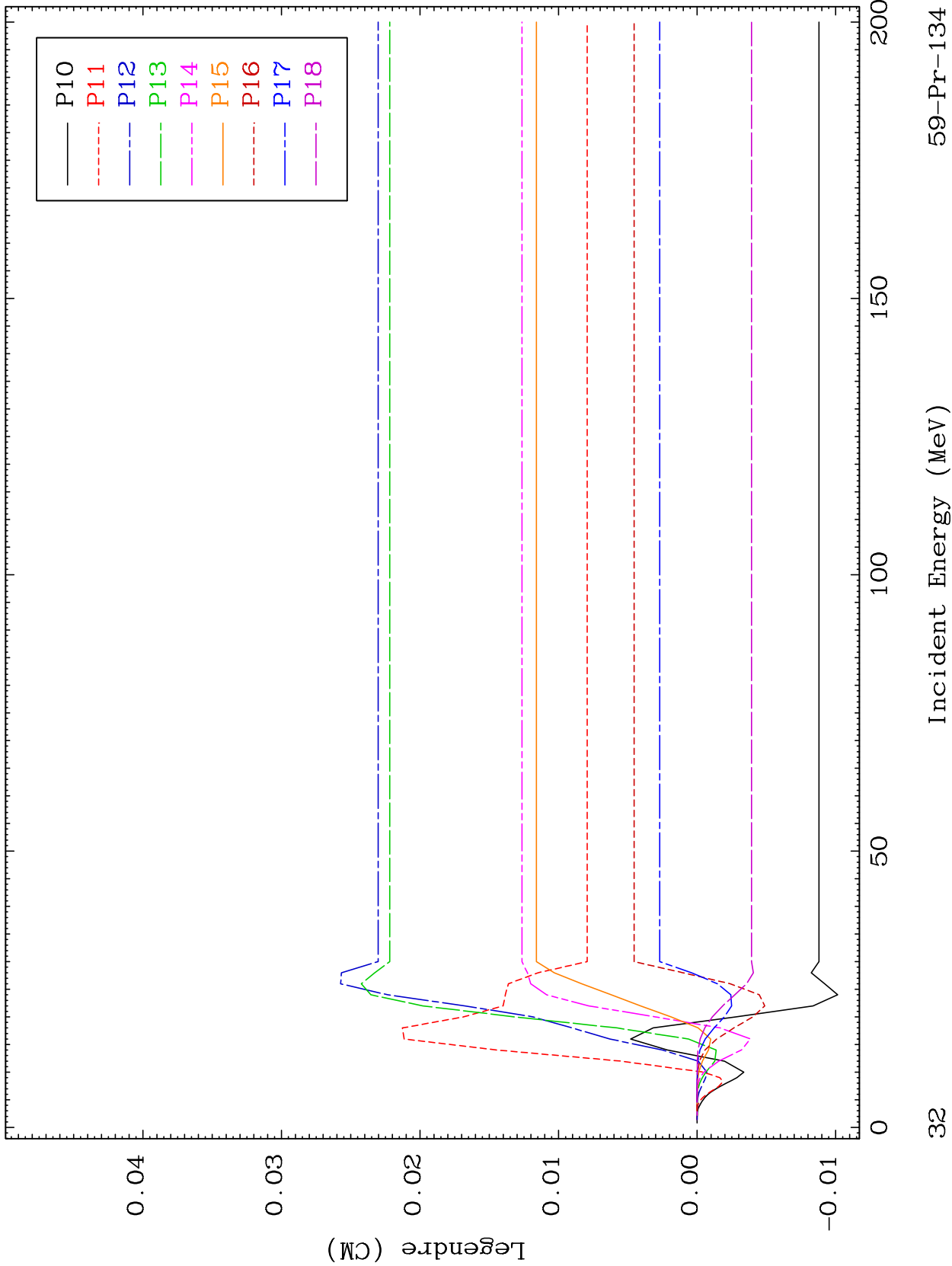
Incident Energy (MeV)

31

MAT 5904

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

59-Pr-134



32

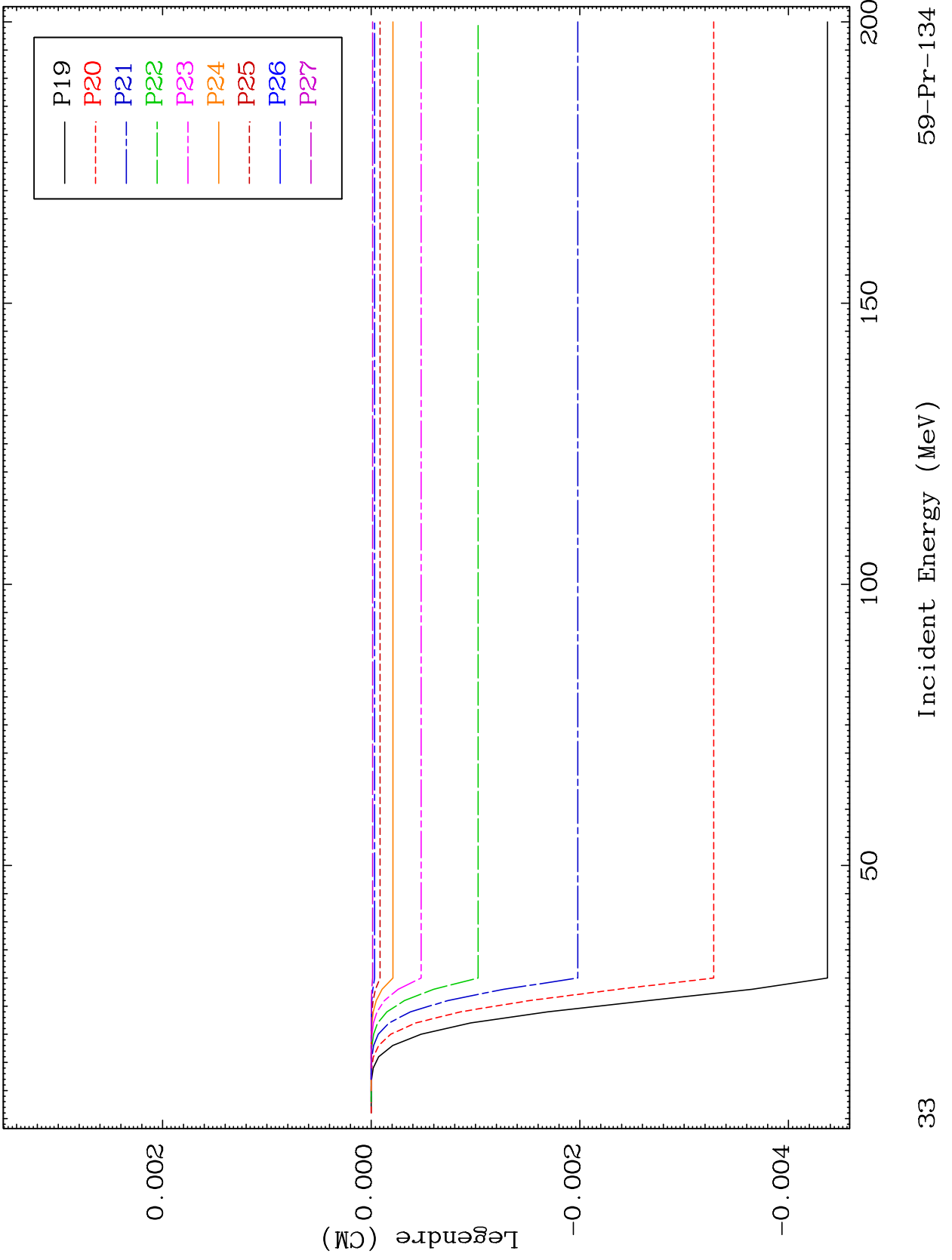
Incident Energy (MeV)

59-Pr-134

MAT 5904

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

59-Pr-134



33

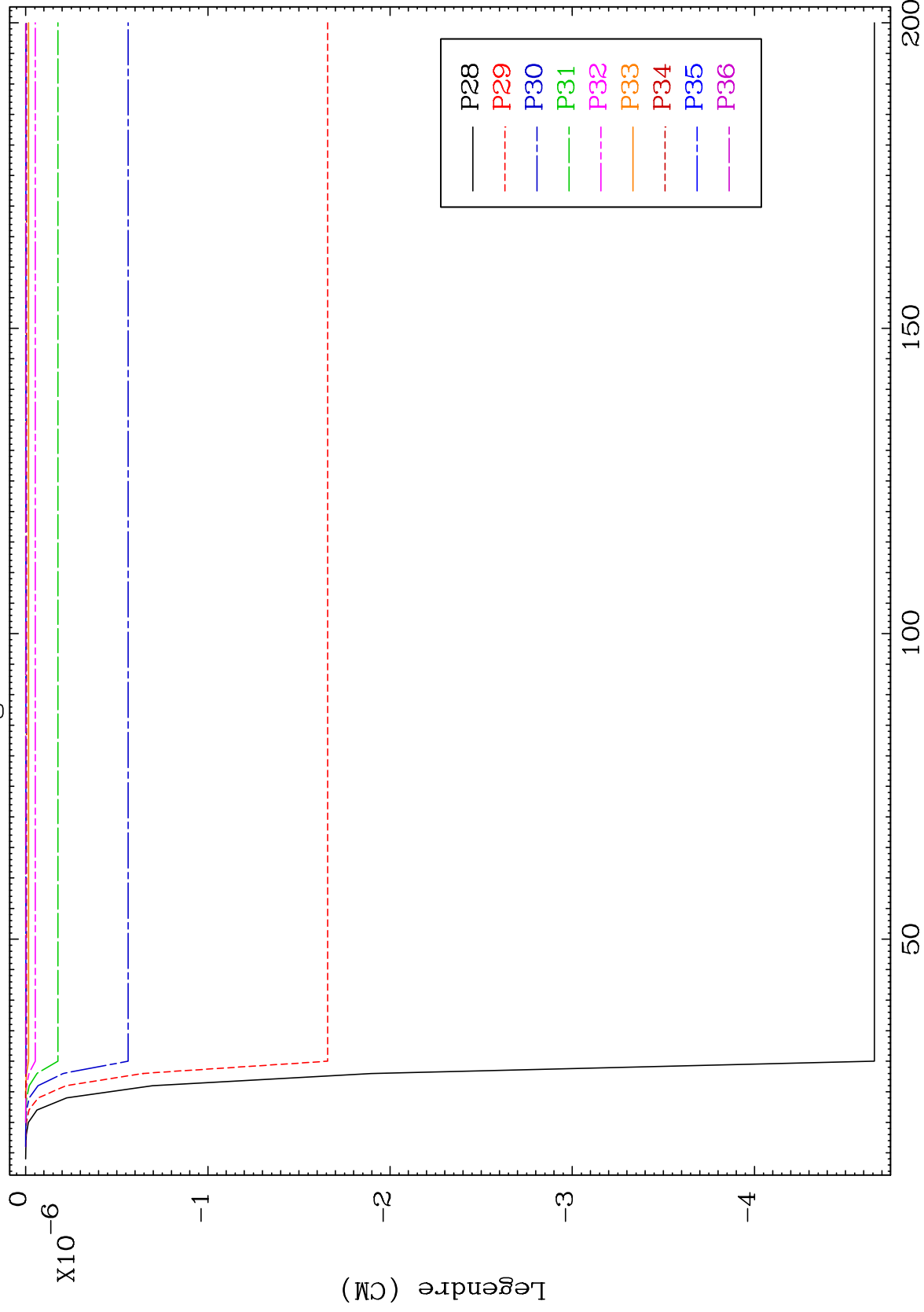
Incident Energy (MeV)

59-Pr-134

MAT 5904

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

59-Pr-134



34

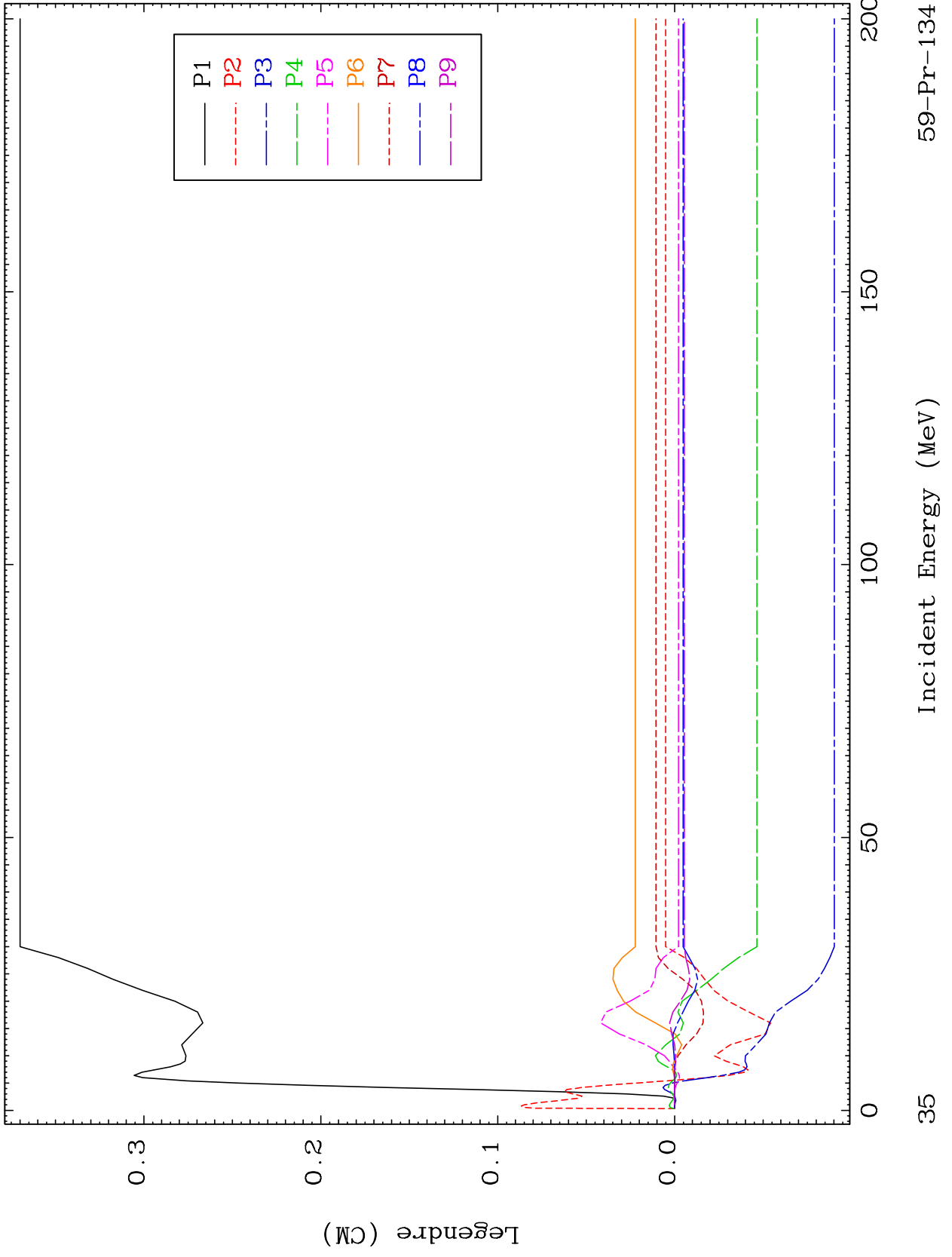
Incident Energy (MeV)

59-Pr-134

MAT 5904

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

59-Pr-134



59-Pr-134

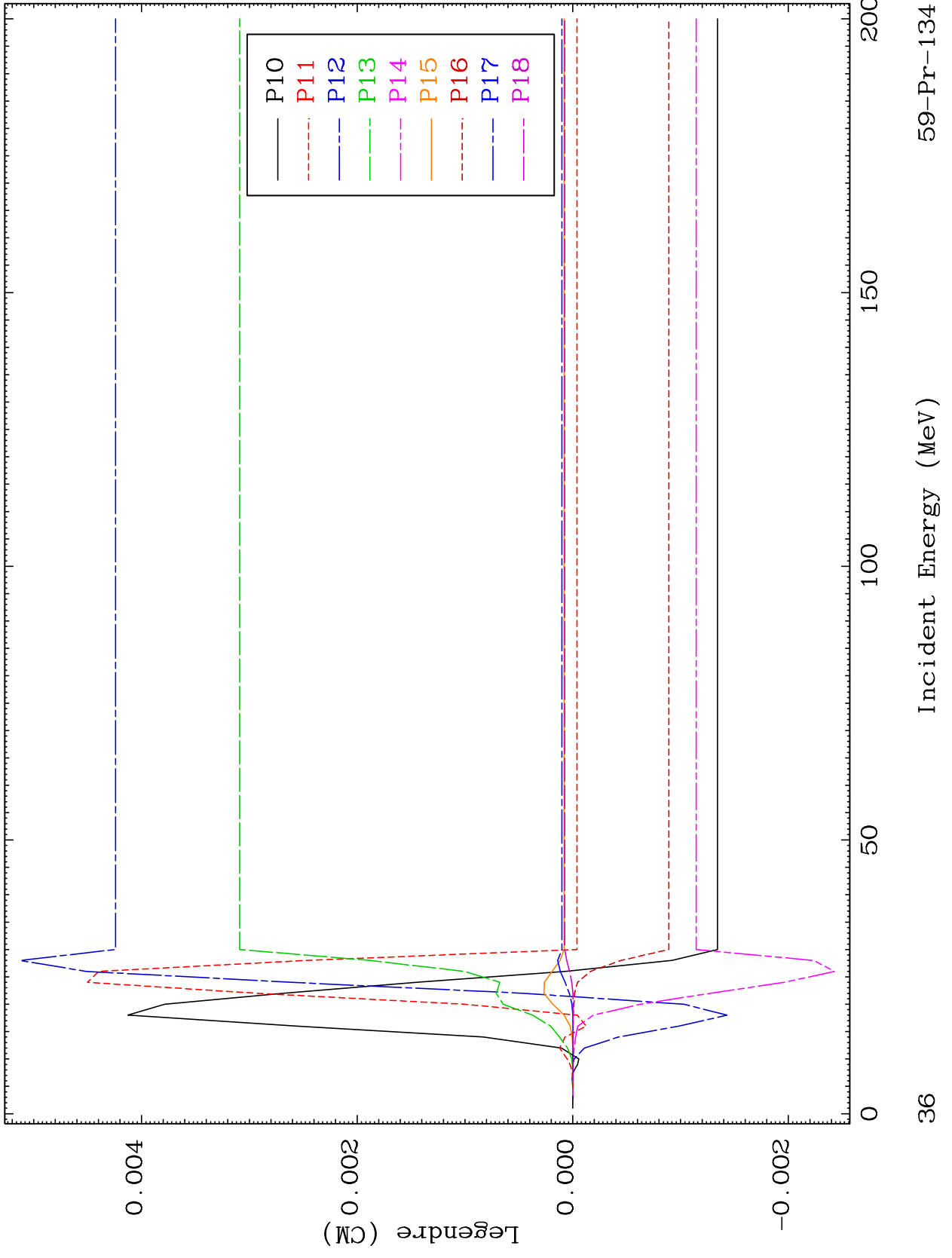
Incident Energy (MeV)

35

MAT 5904

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

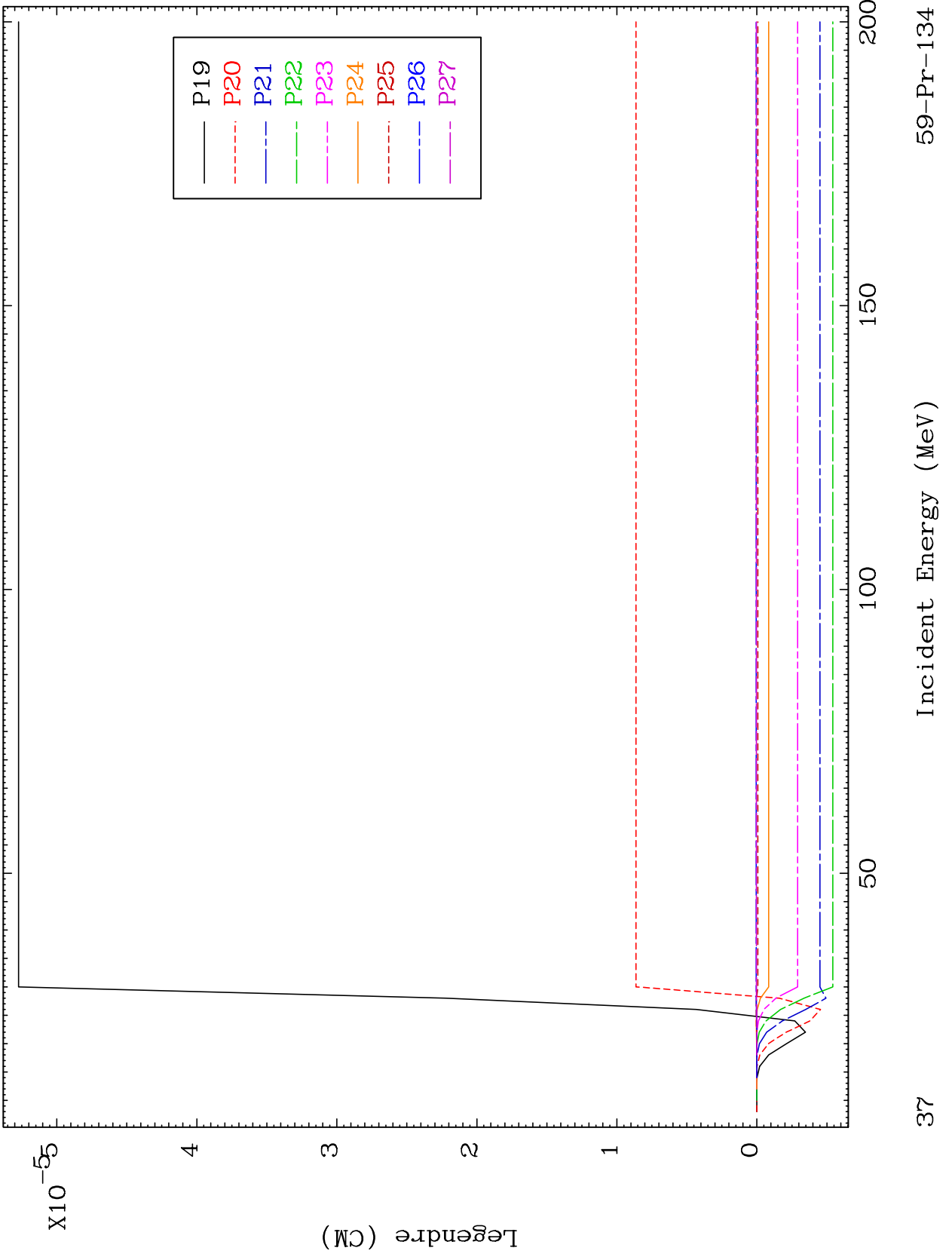
59-Pr-134

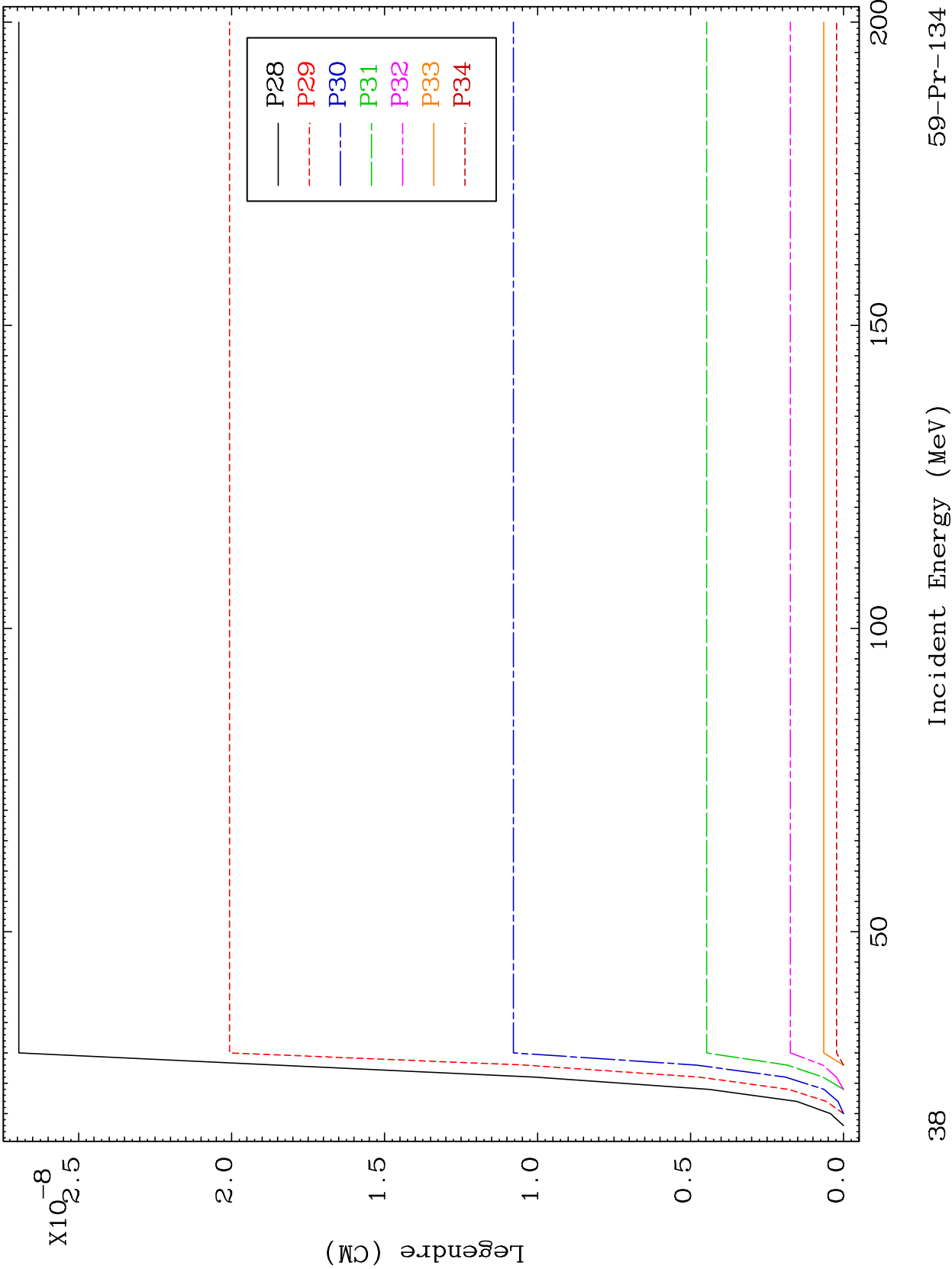


36

Incident Energy (MeV)

59-Pr-134

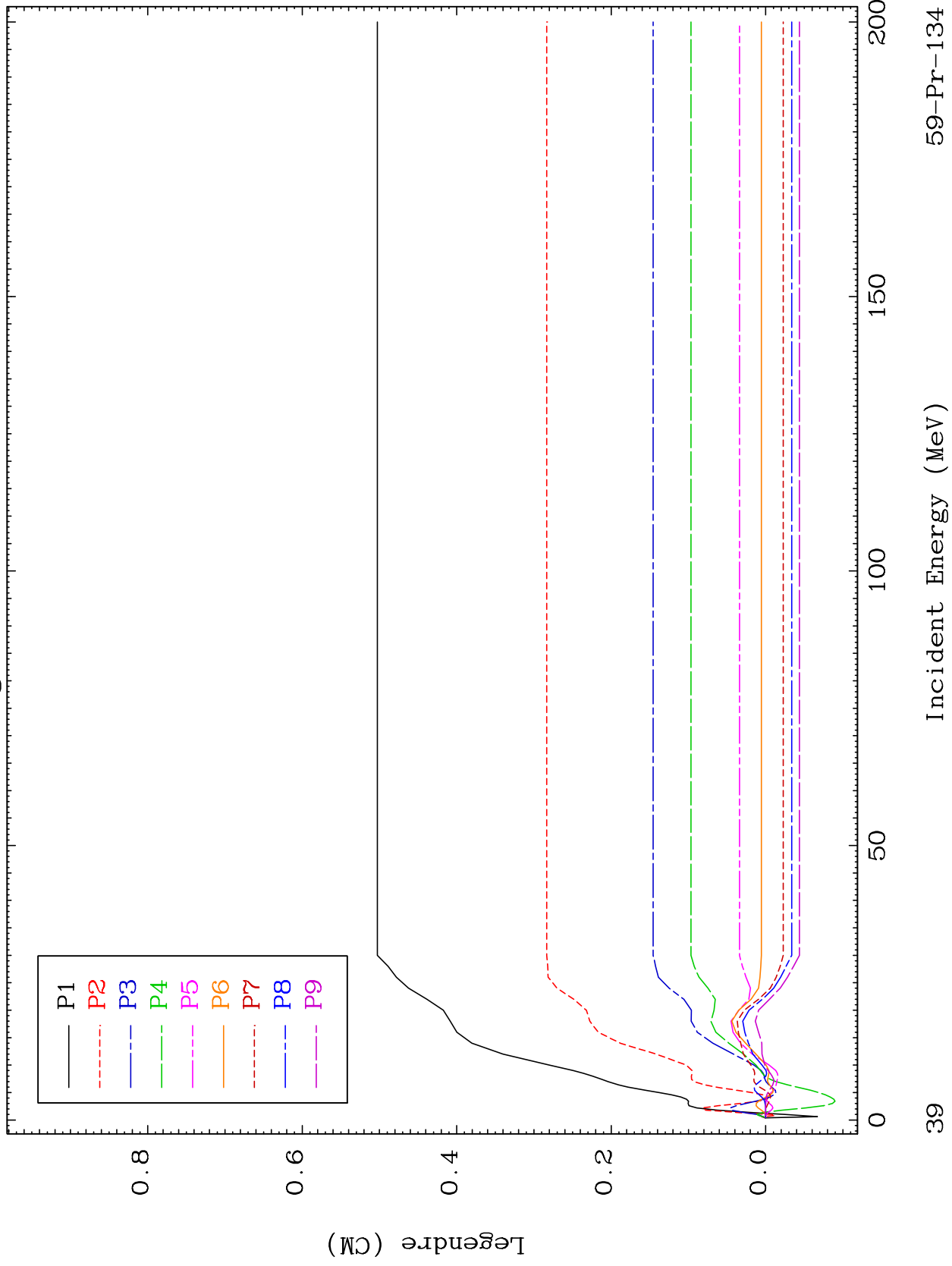




MAT 5904

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

59-Pr-134



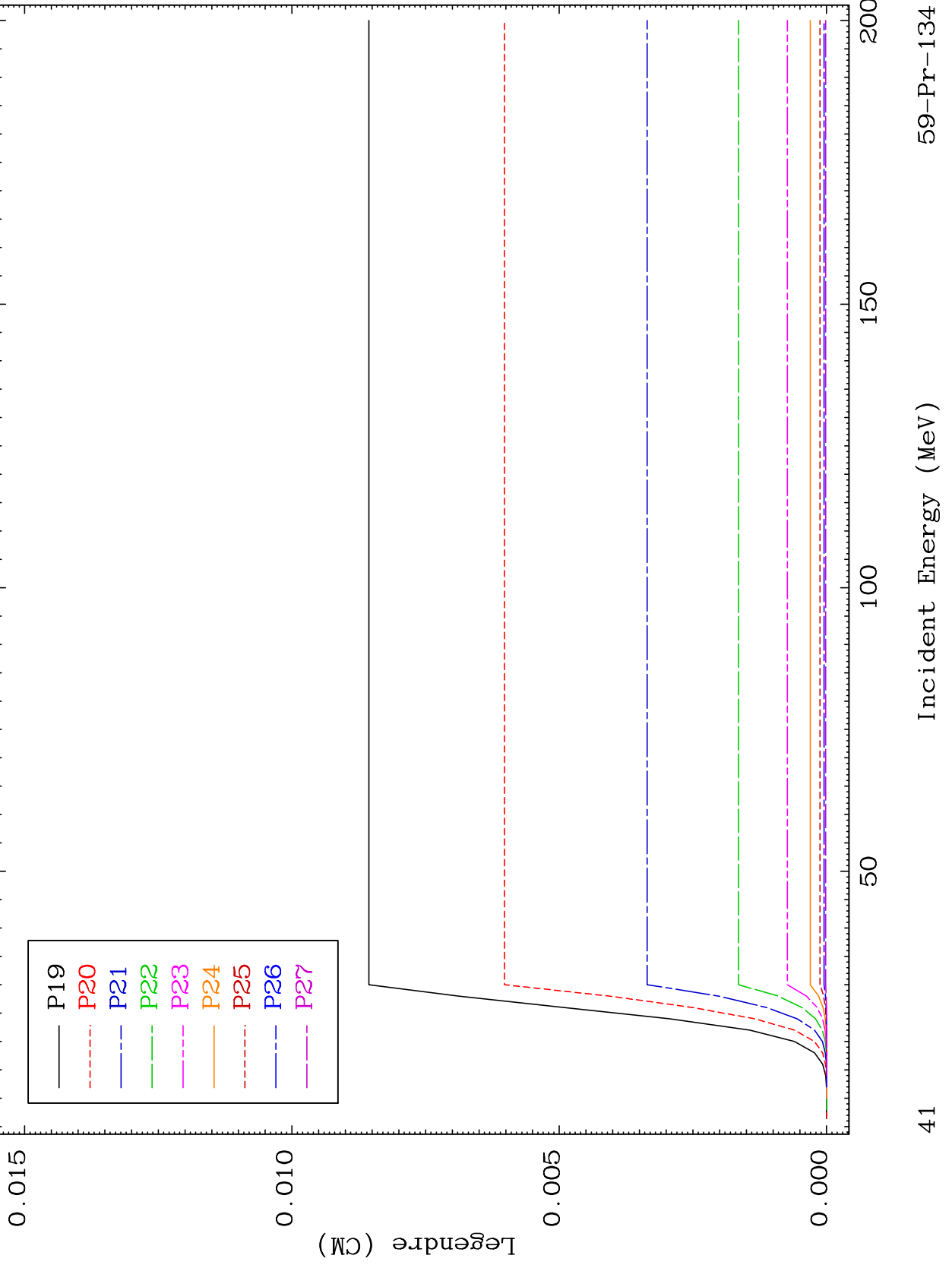
39

59-Pr-134

MAT 5904

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

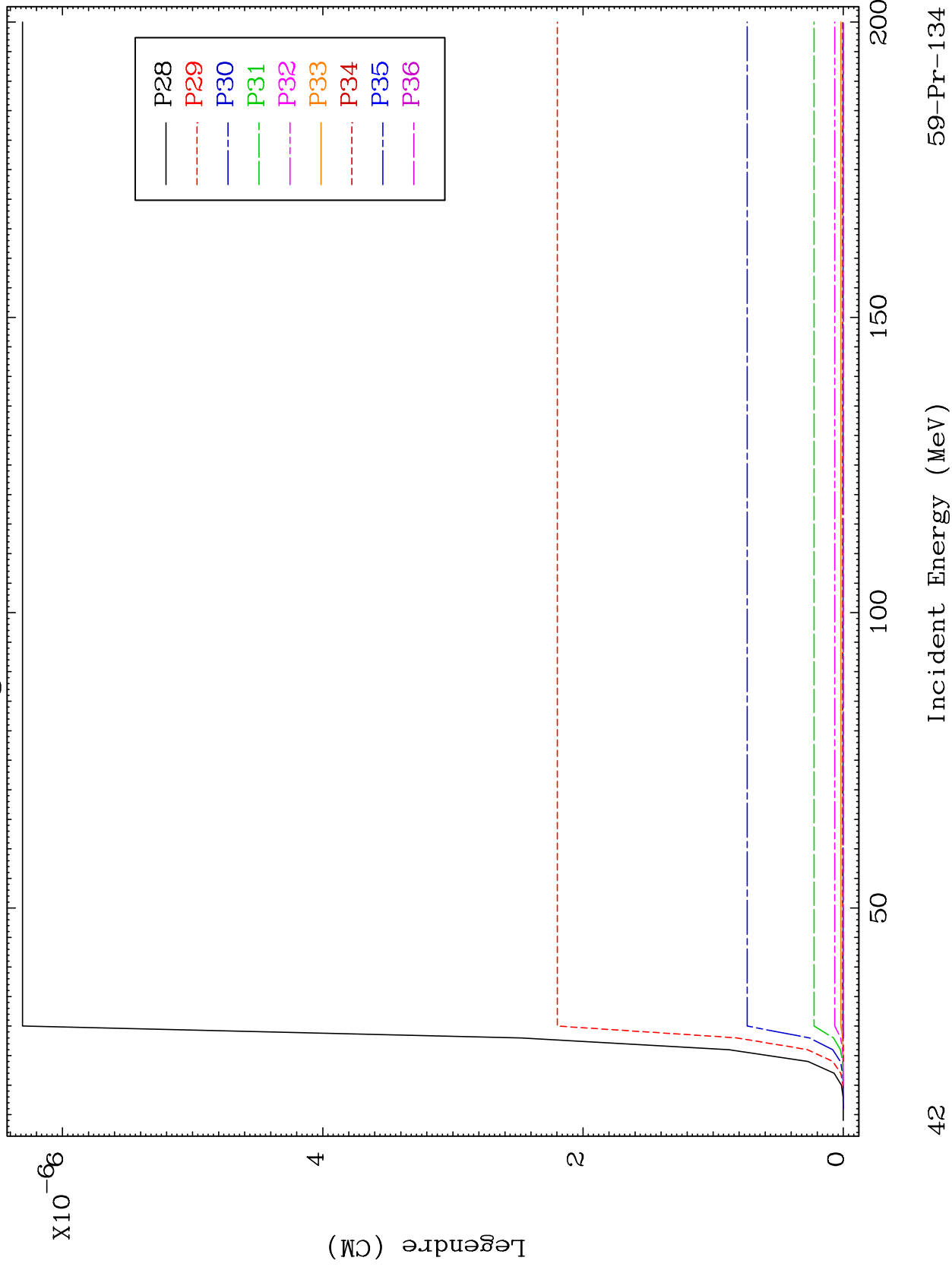
59-Pr-134



MAT 5904

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

59-Pr-134



42

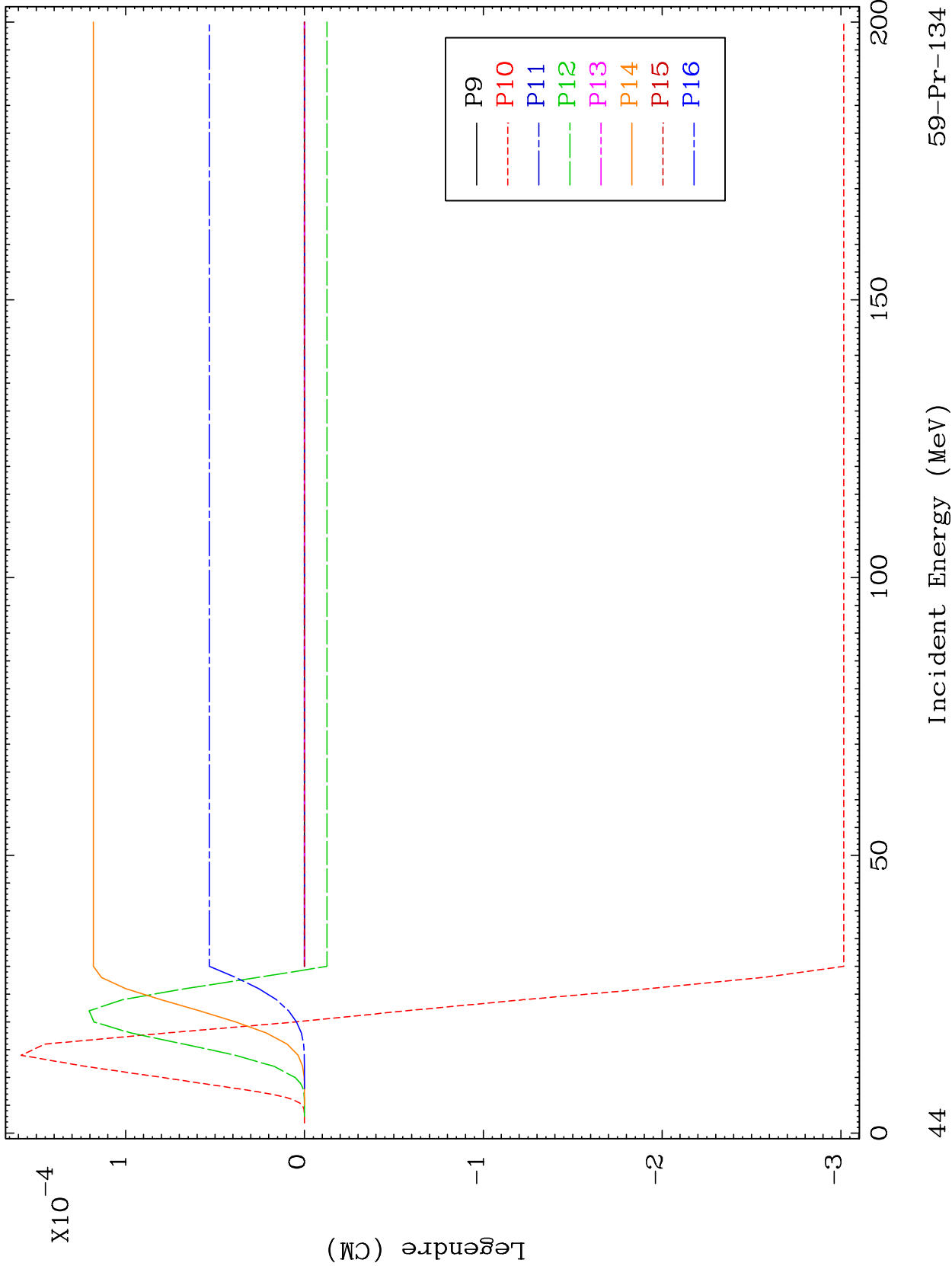
Incident Energy (MeV)

59-Pr-134

MAT 5904

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

59-Pr-134



59-Pr-134

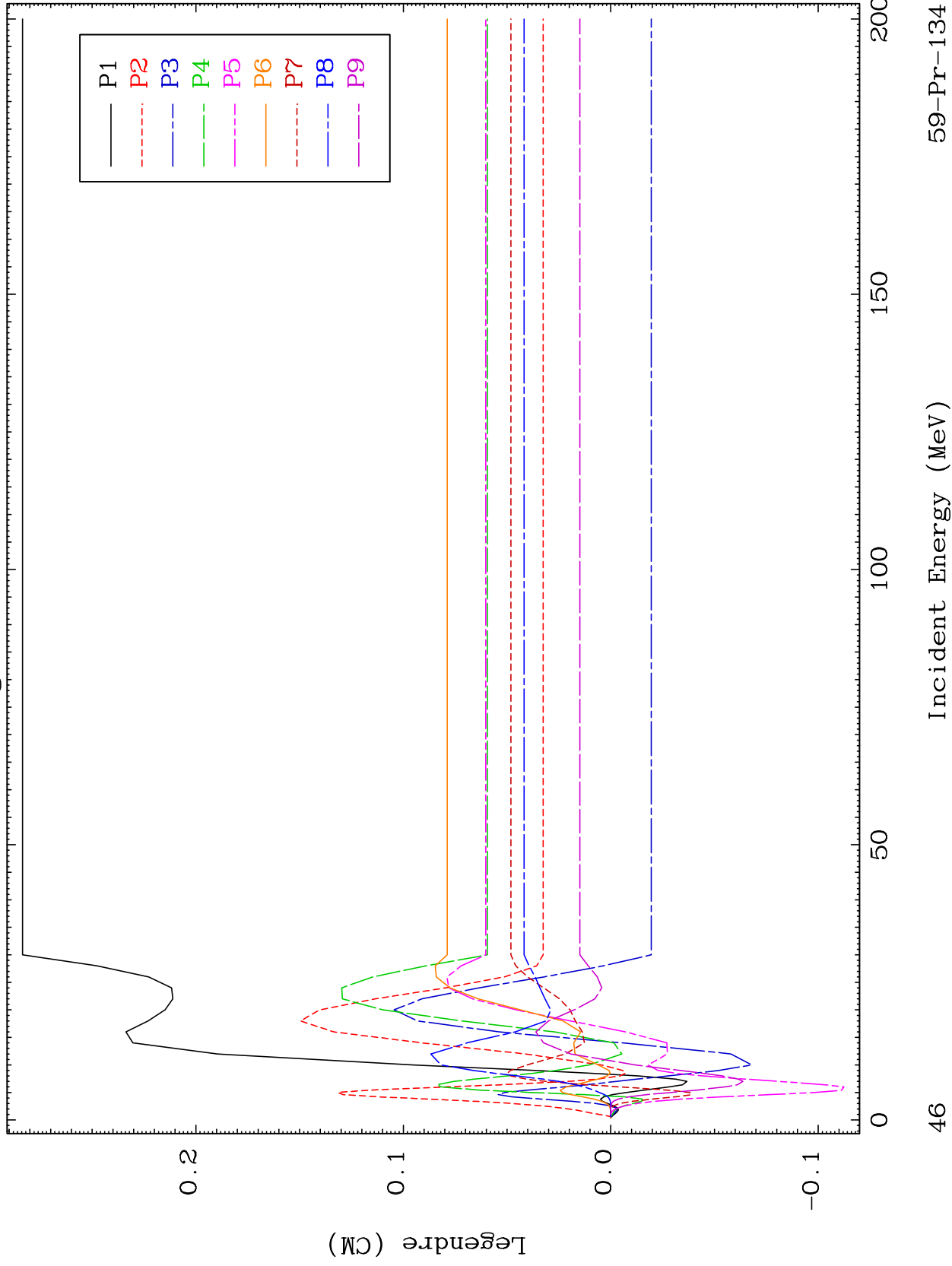
Incident Energy (MeV)

44

MAT 5904

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

59-Pr-134



59-Pr-134

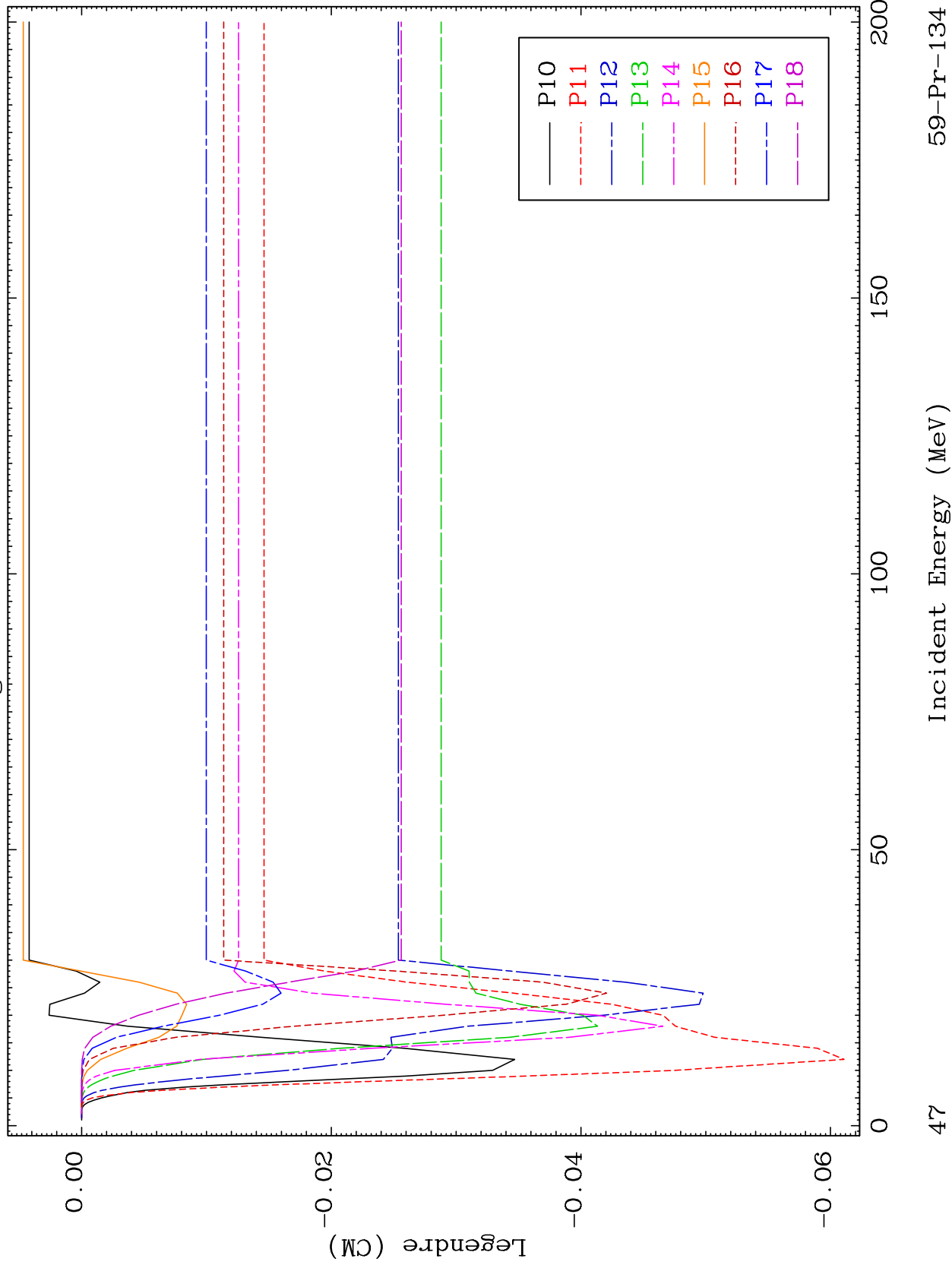
Incident Energy (MeV)

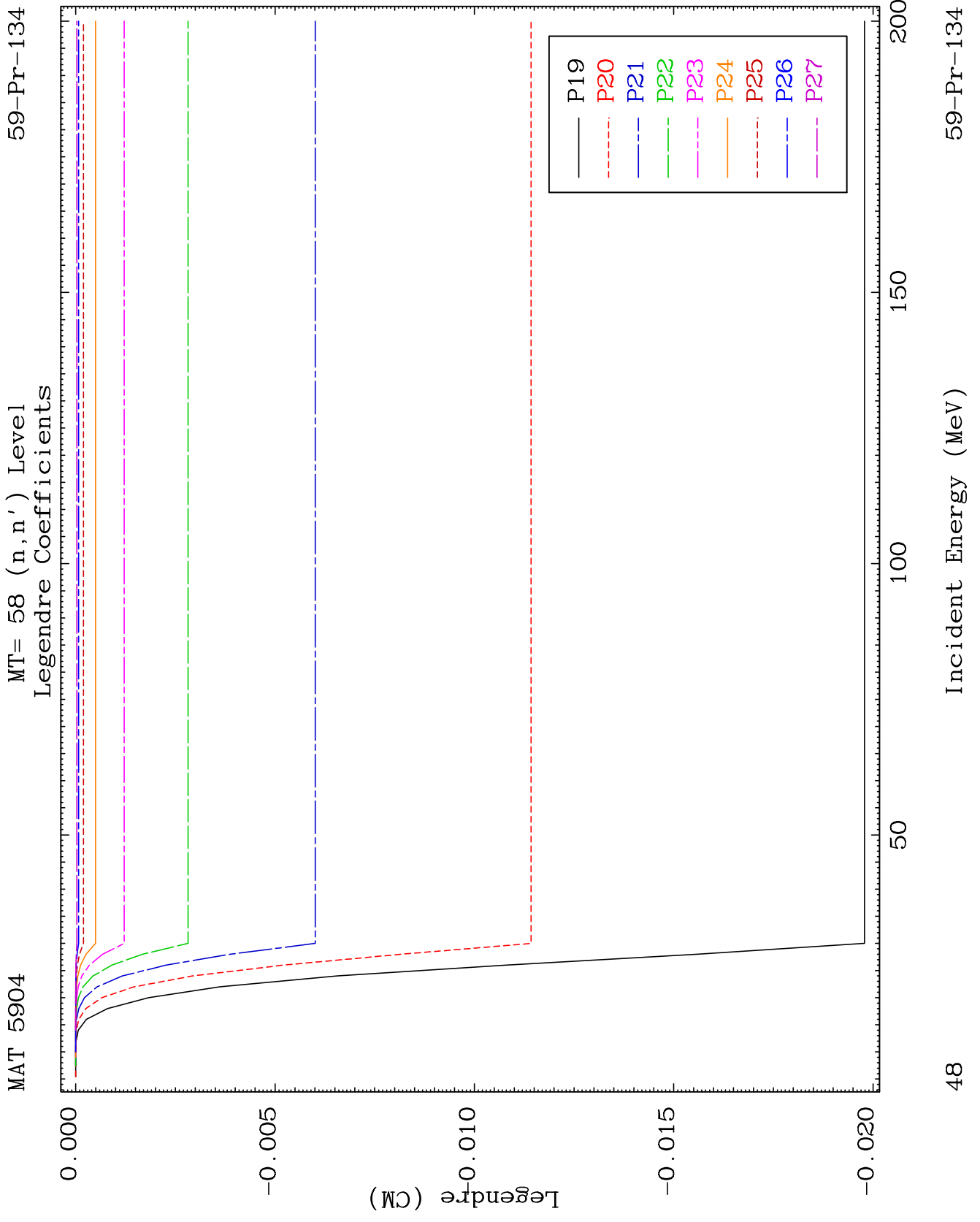
46

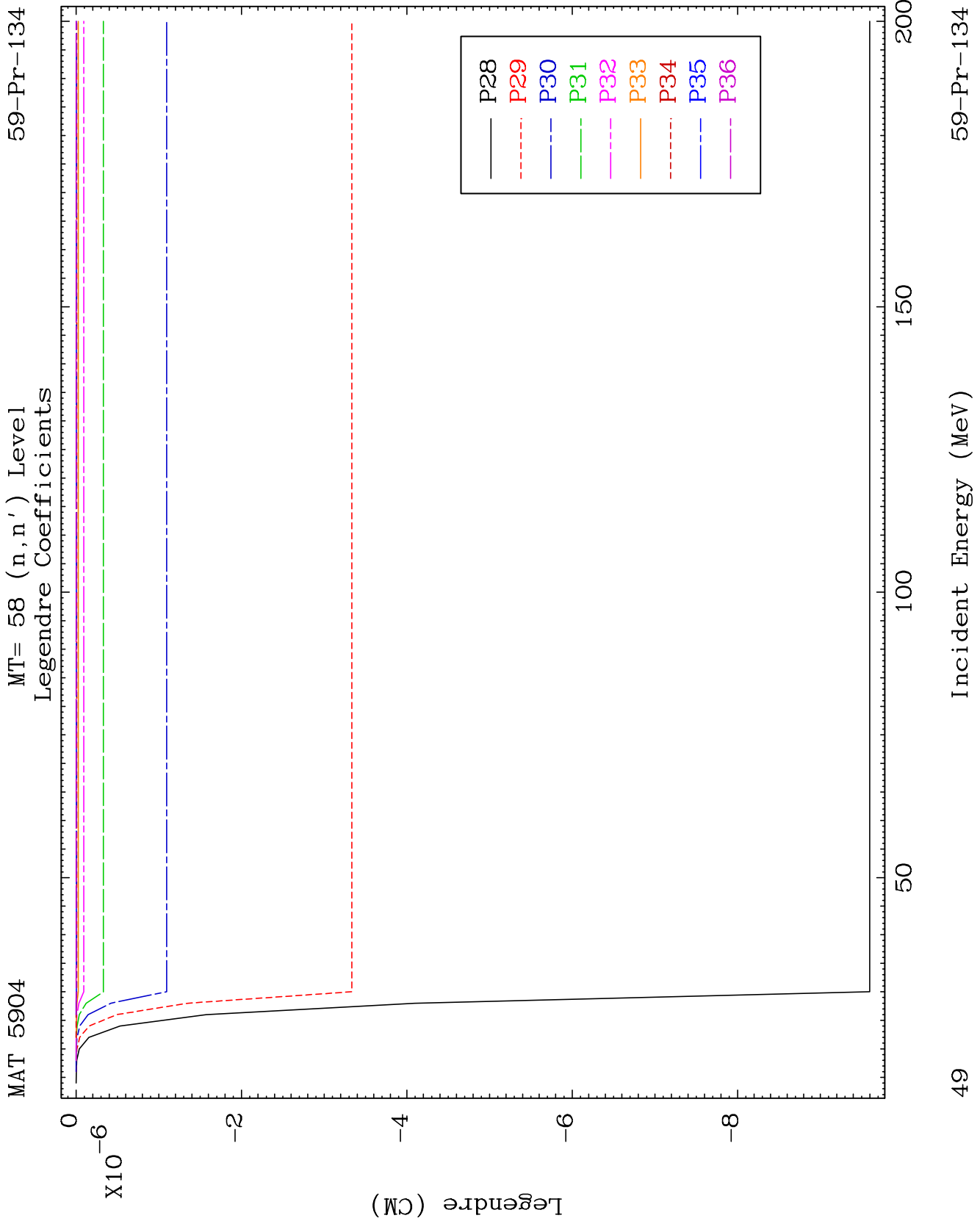
MAT 5904

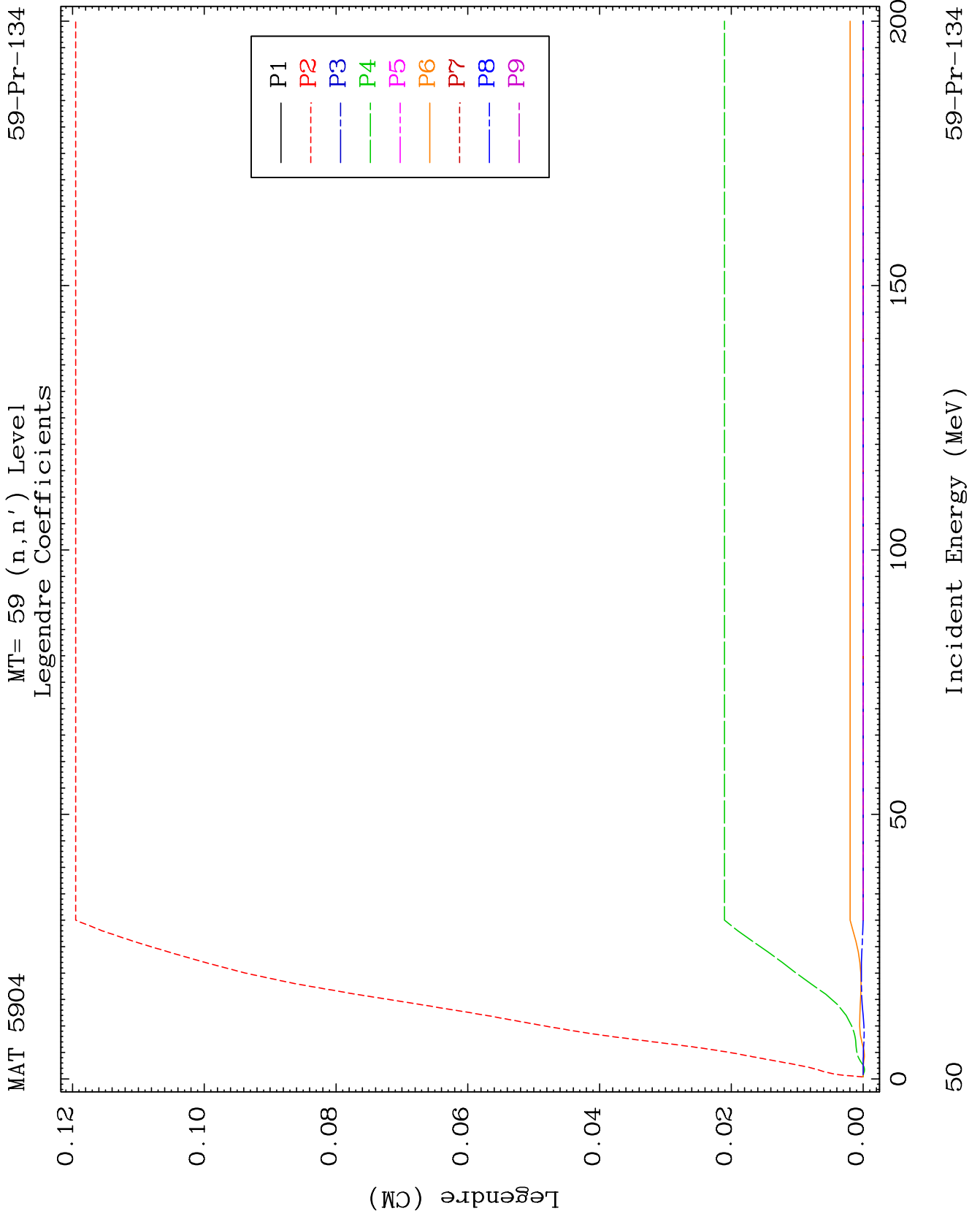
59-Pr-134

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





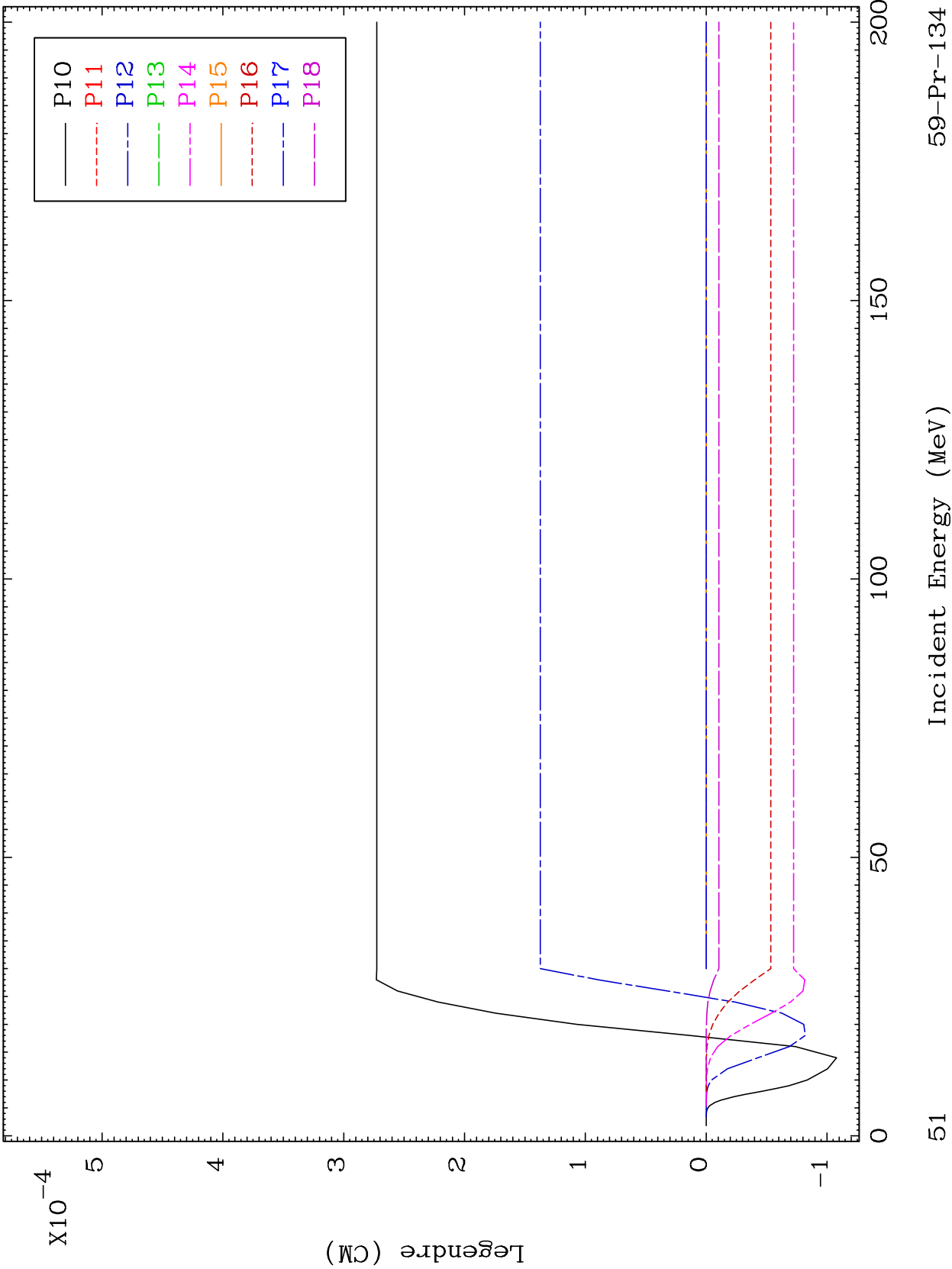




MAT 5904

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

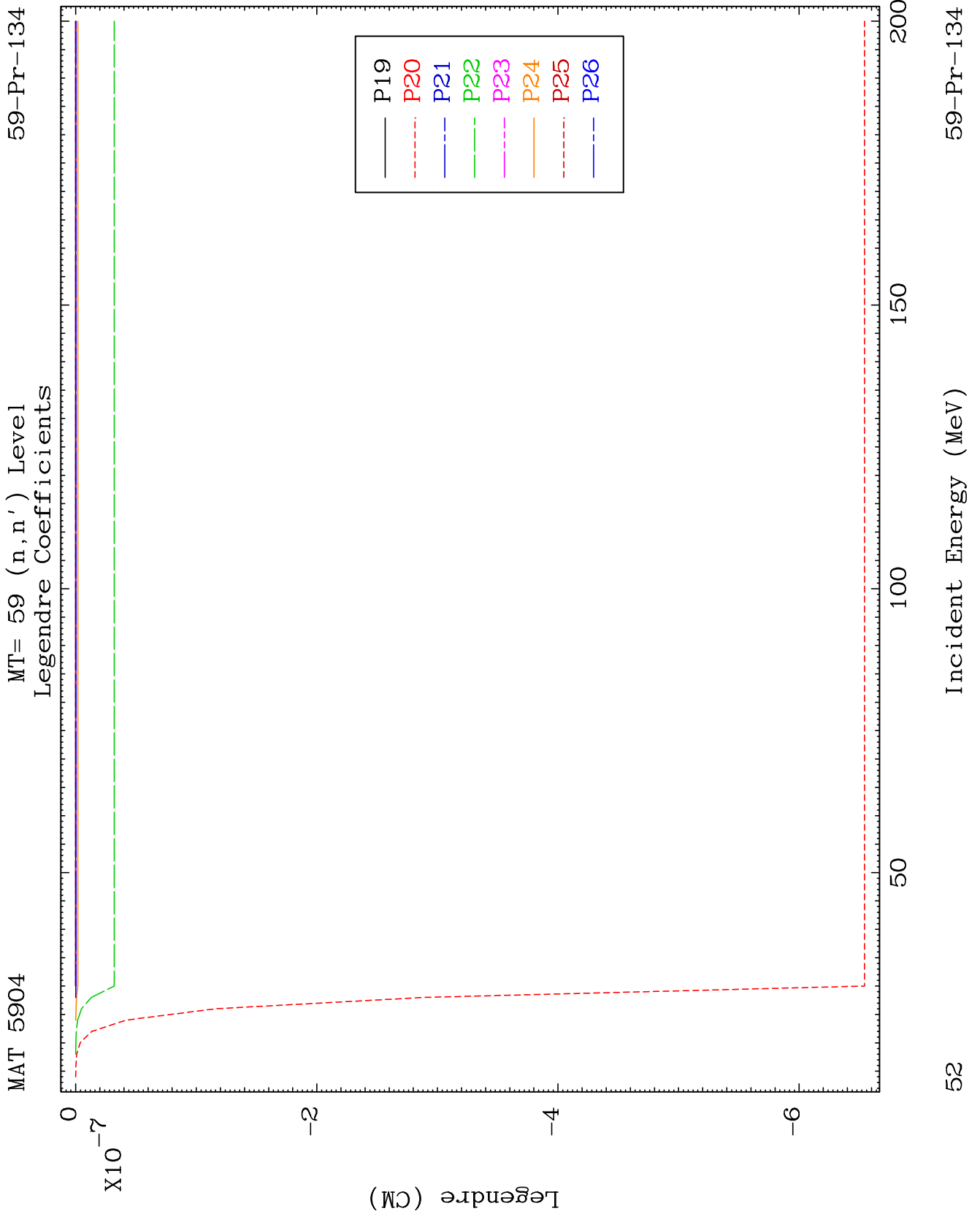
59-Pr-134



51

Incident Energy (MeV)

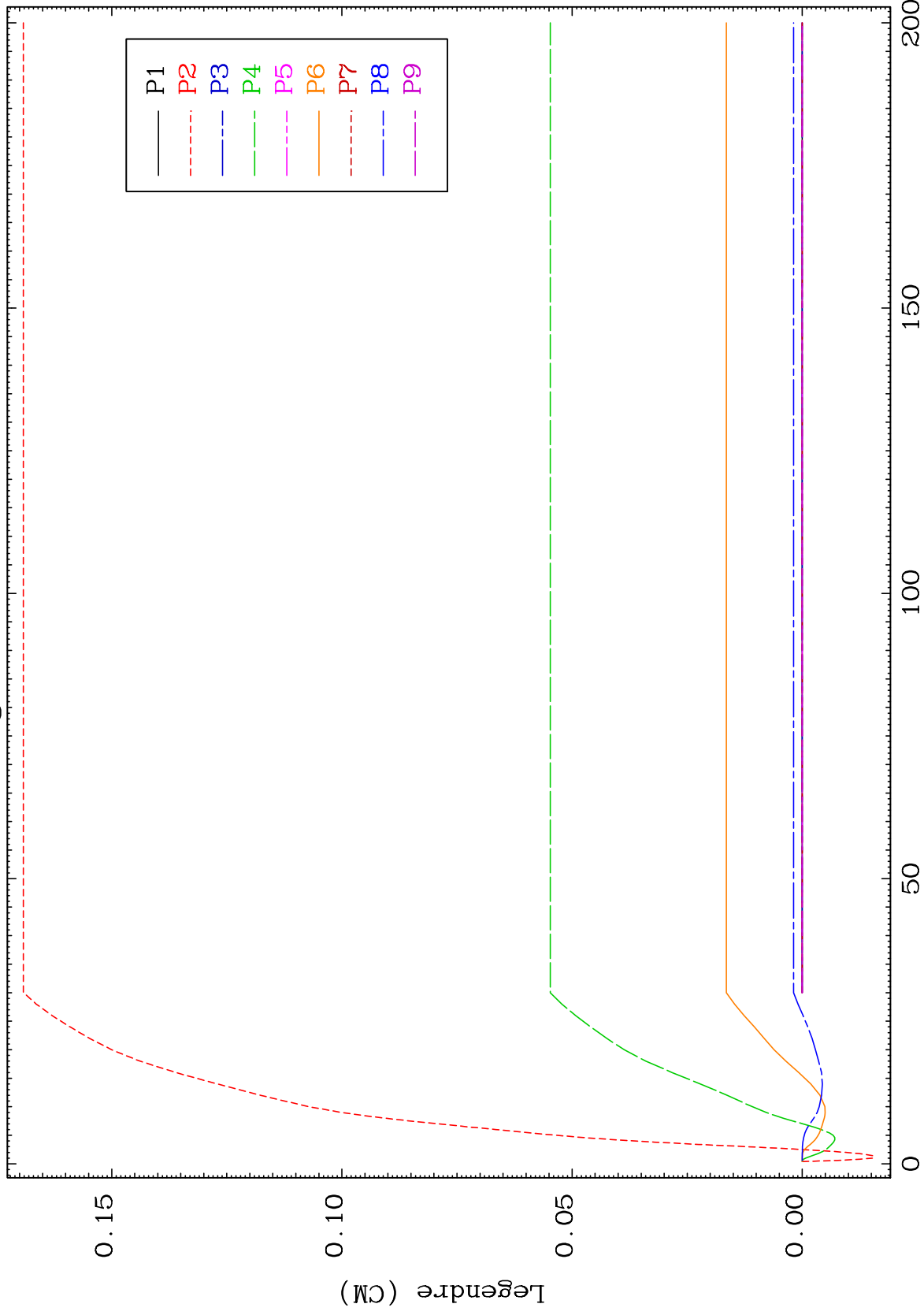
59-Pr-134



MAT 5904

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

59-Pr-134



53

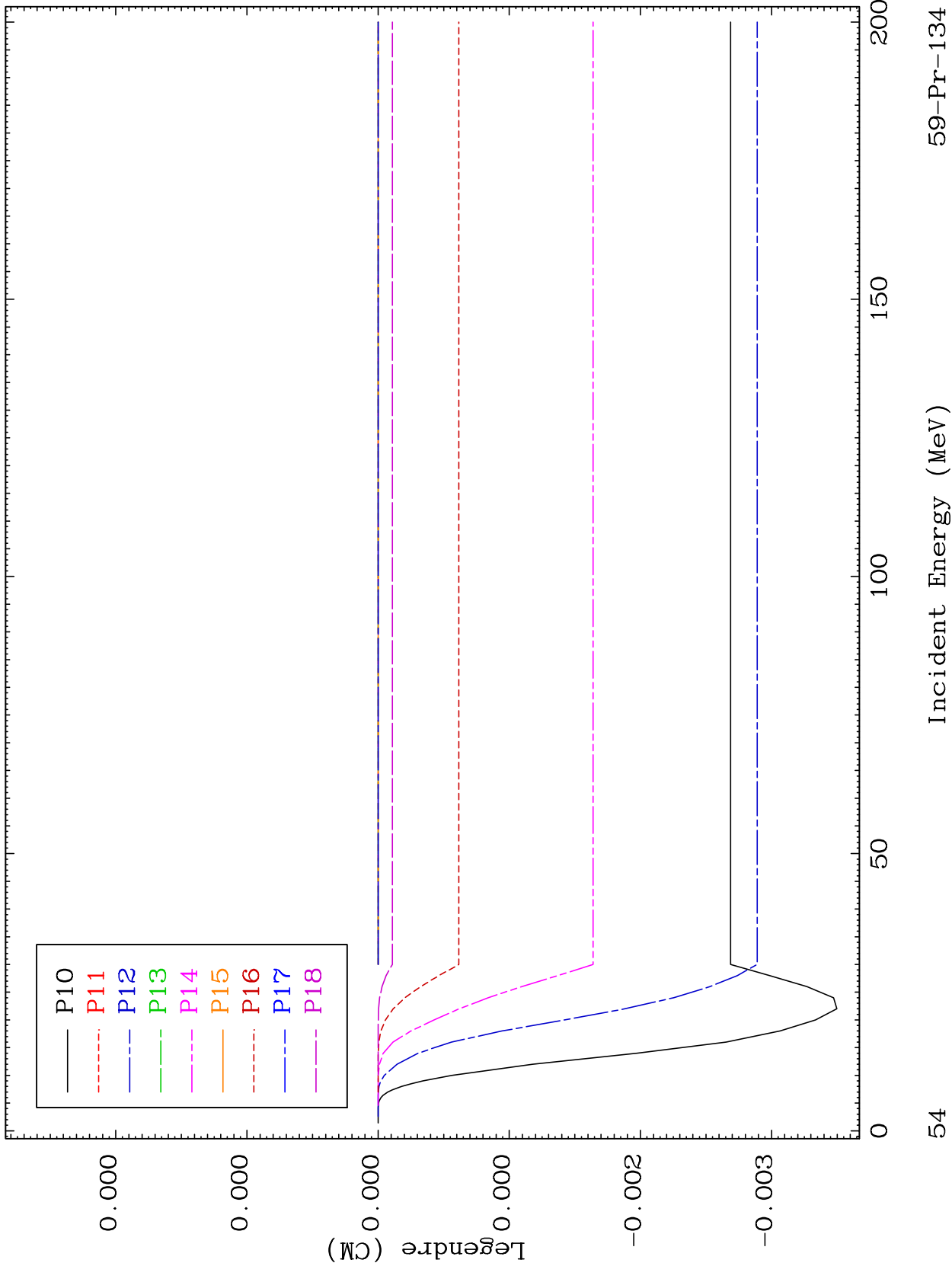
Incident Energy (MeV)

59-Pr-134

MAT 5904

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

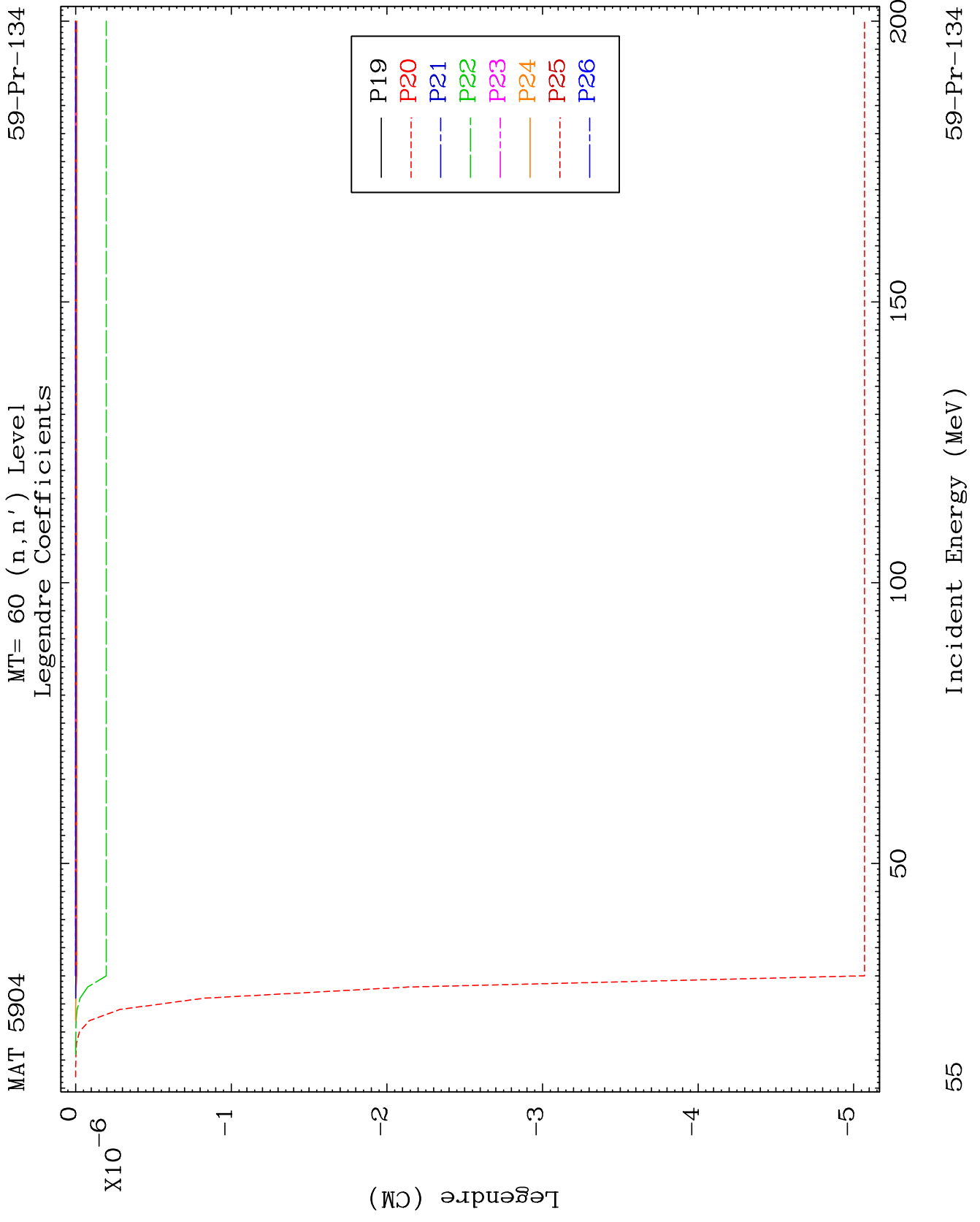
59-Pr-134



54

Incident Energy (MeV)

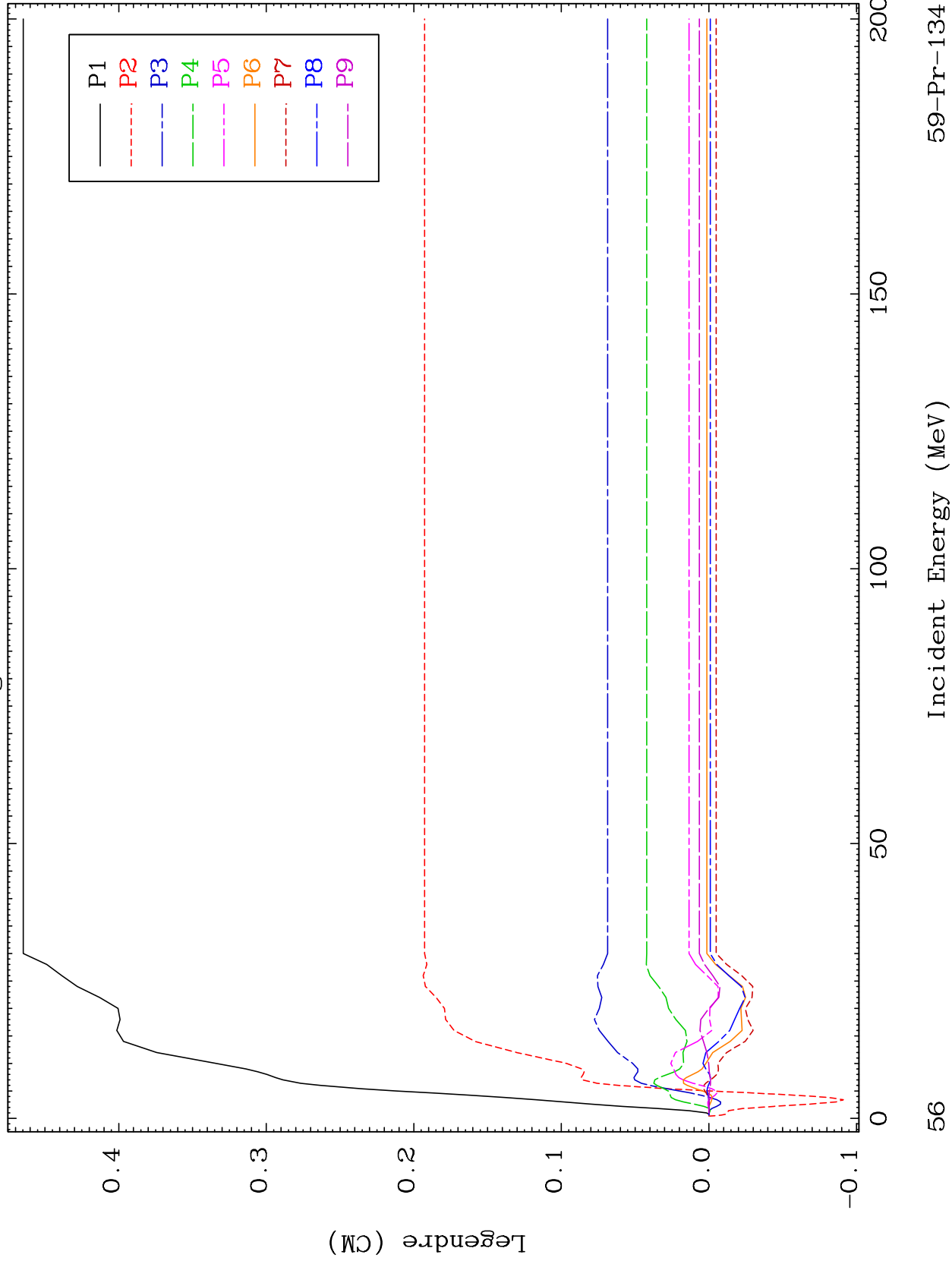
59-Pr-134



MAT 5904

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

59-Pr-134



59-Pr-134

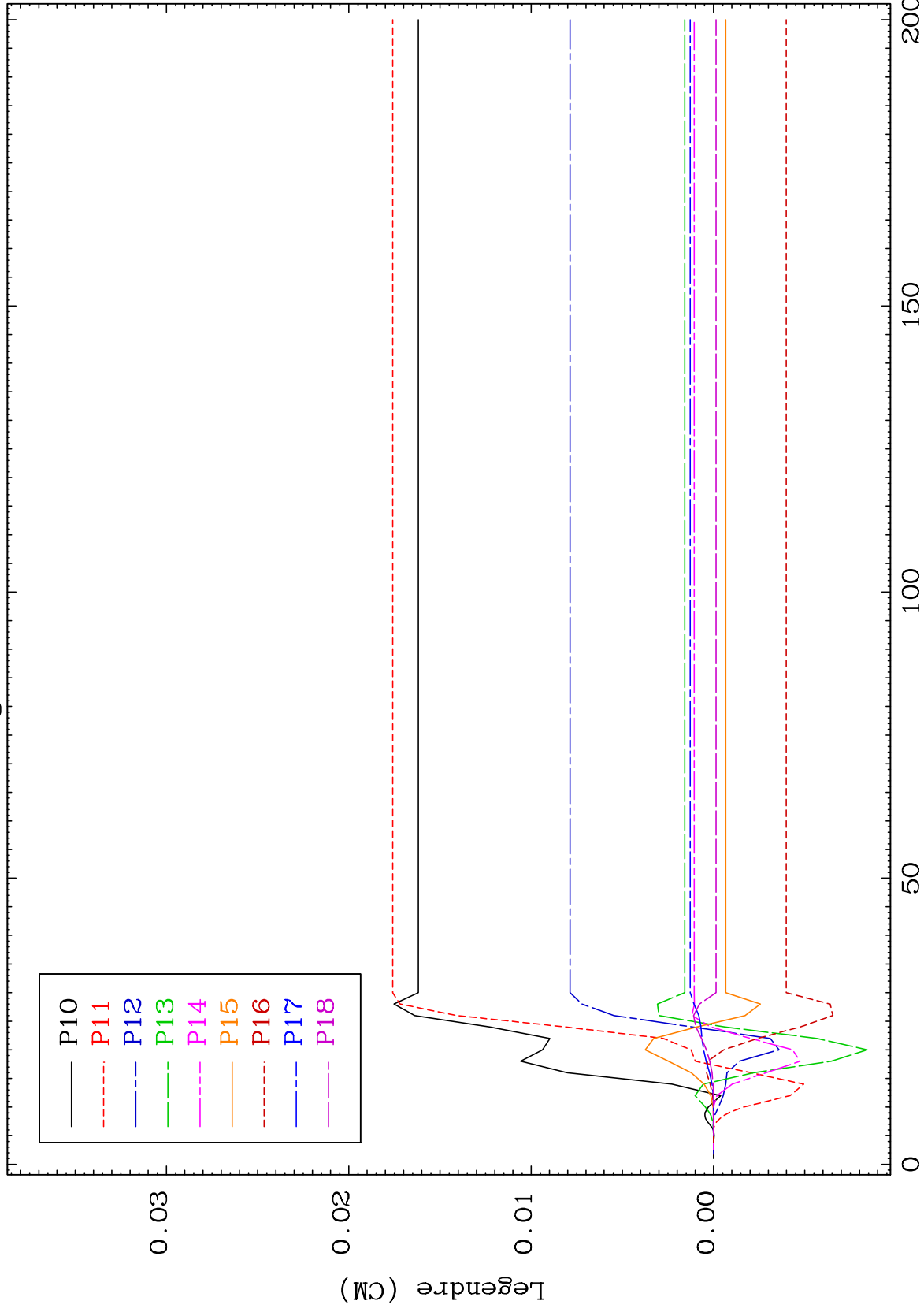
Incident Energy (MeV)

56

MAT 5904

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

59-Pr-134



57

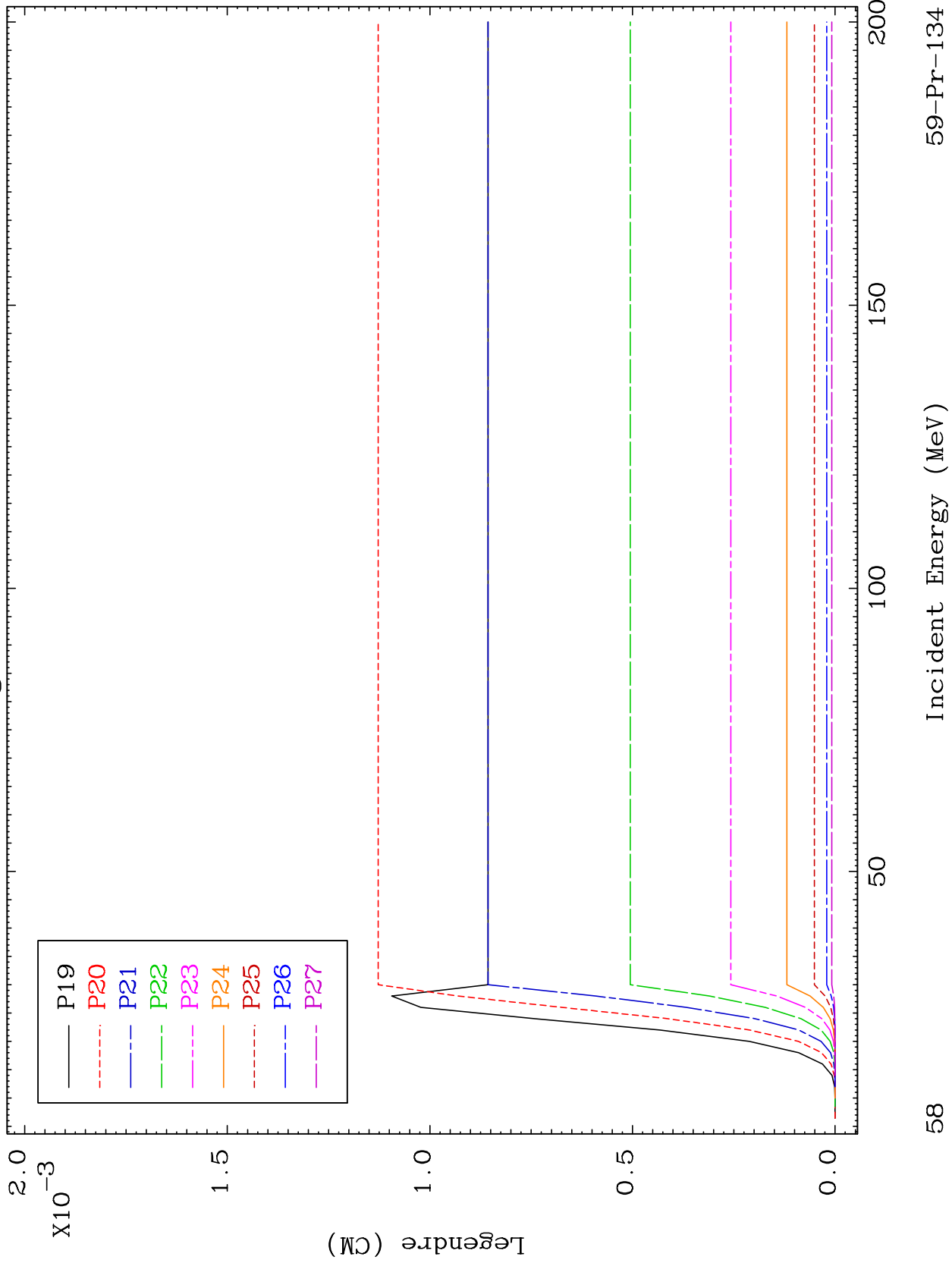
Incident Energy (MeV)

59-Pr-134

MAT 5904

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

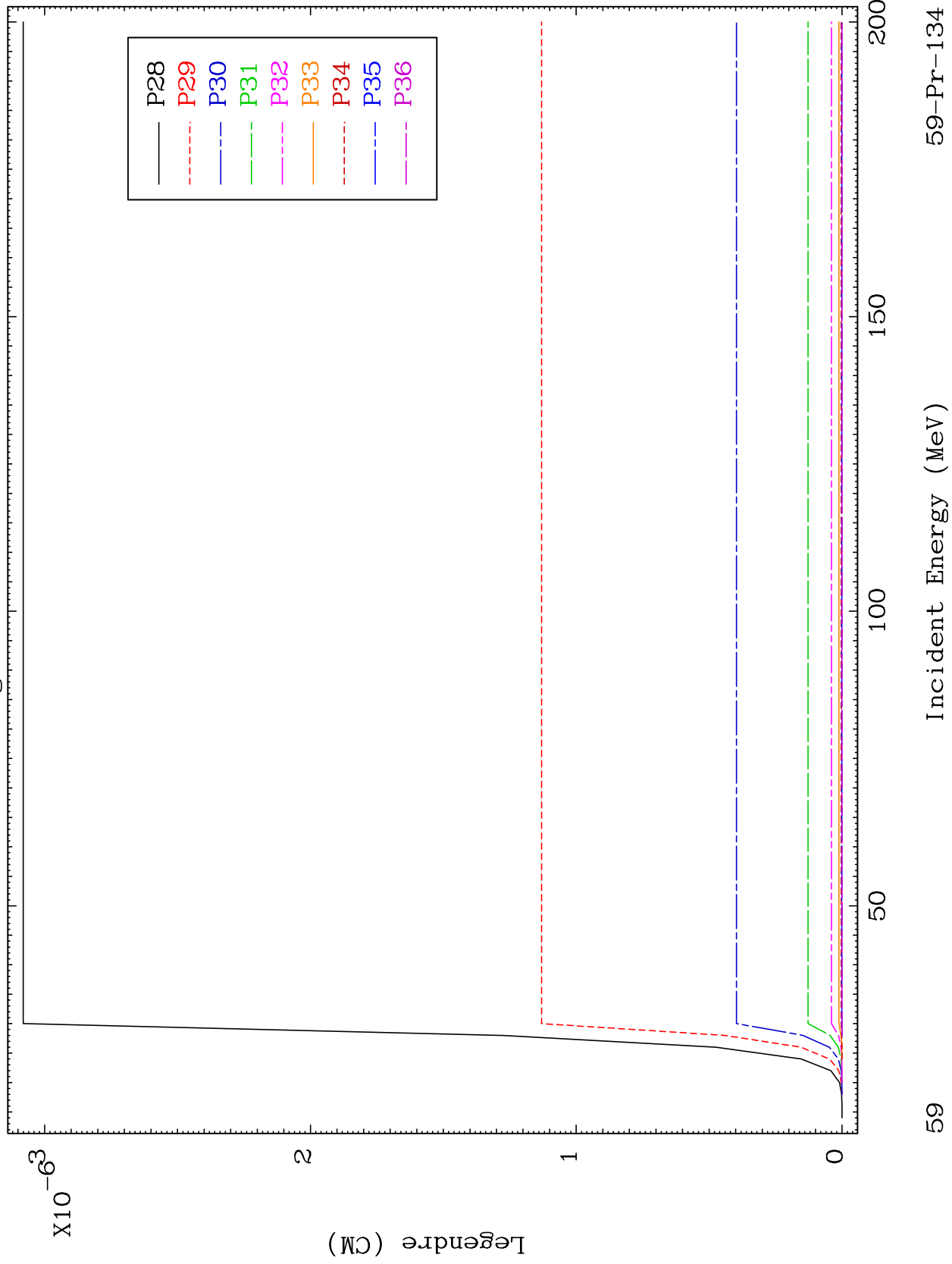
59-Pr-134



MAT 5904

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

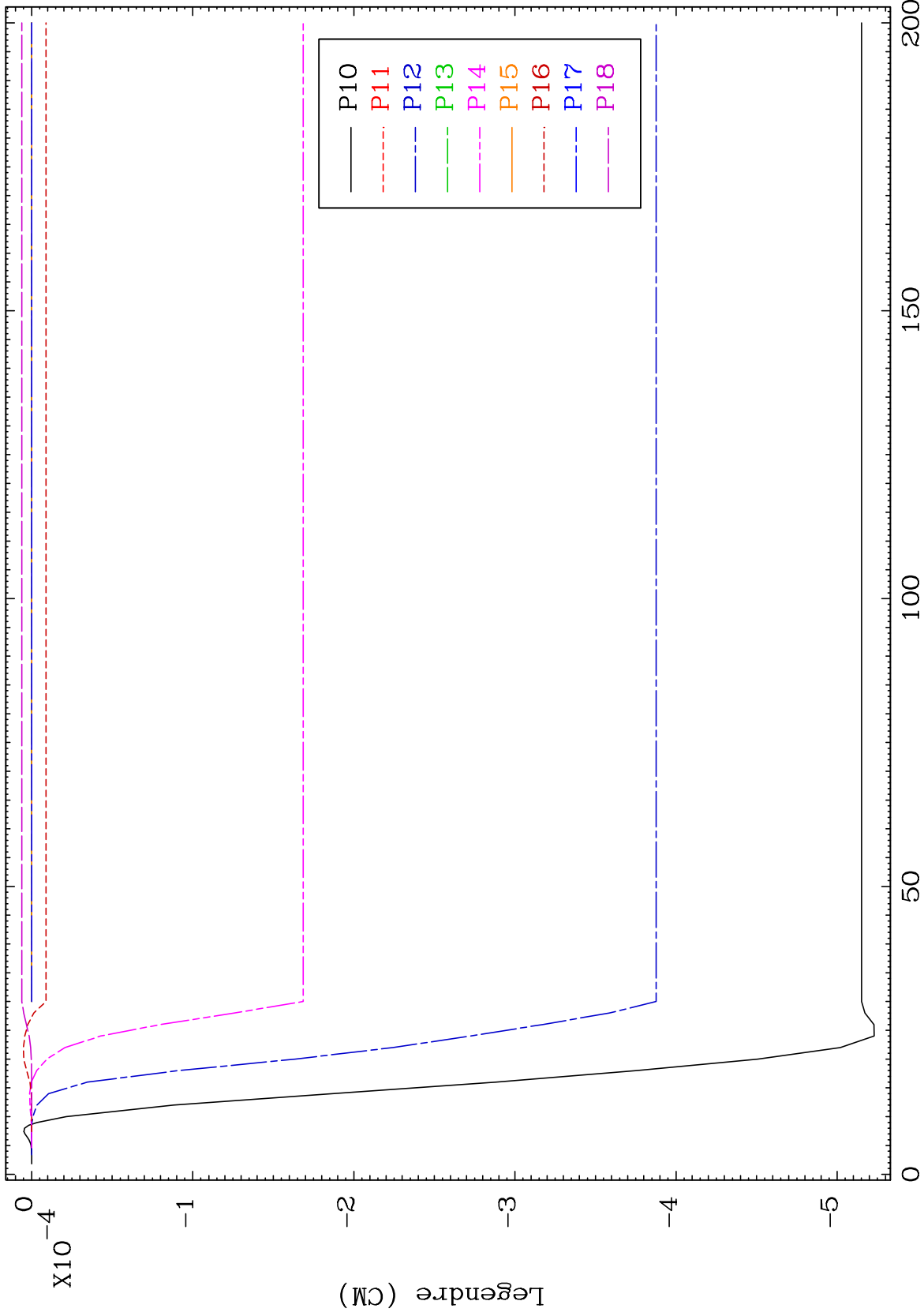
59-Pr-134



MAT 5904

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

59-Pr-134



61

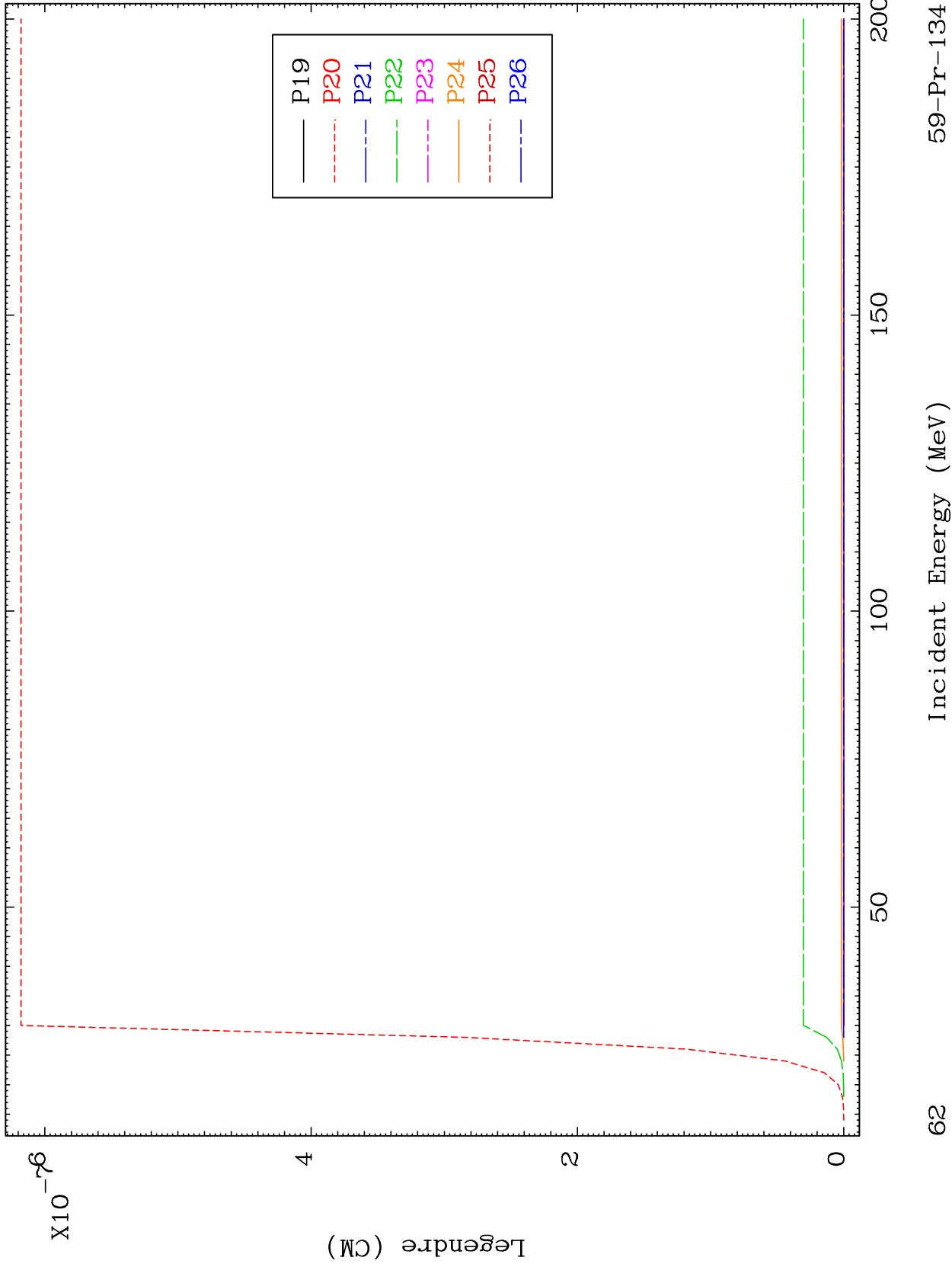
Incident Energy (MeV)

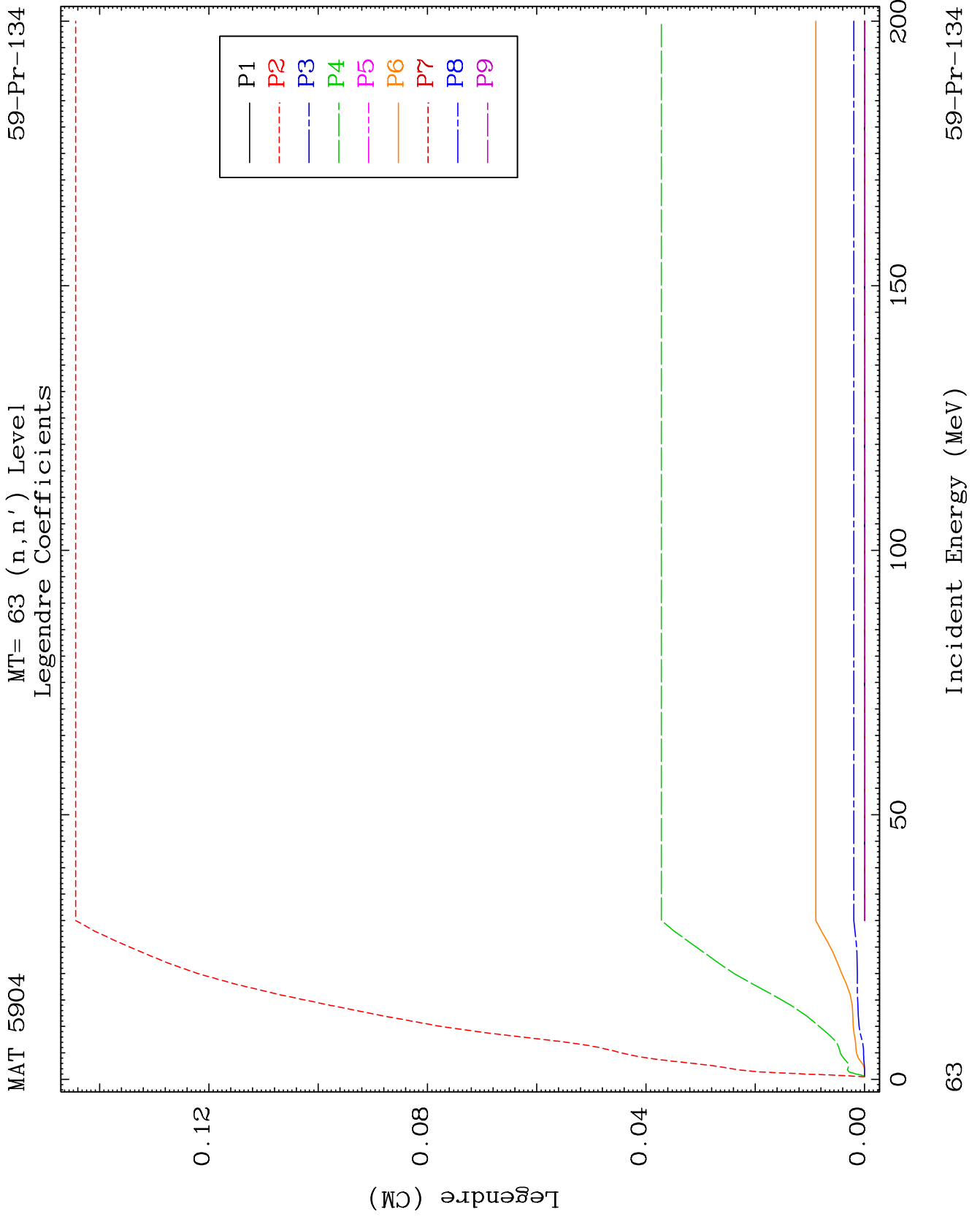
59-Pr-134

MAT 5904

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

59-Pr-134

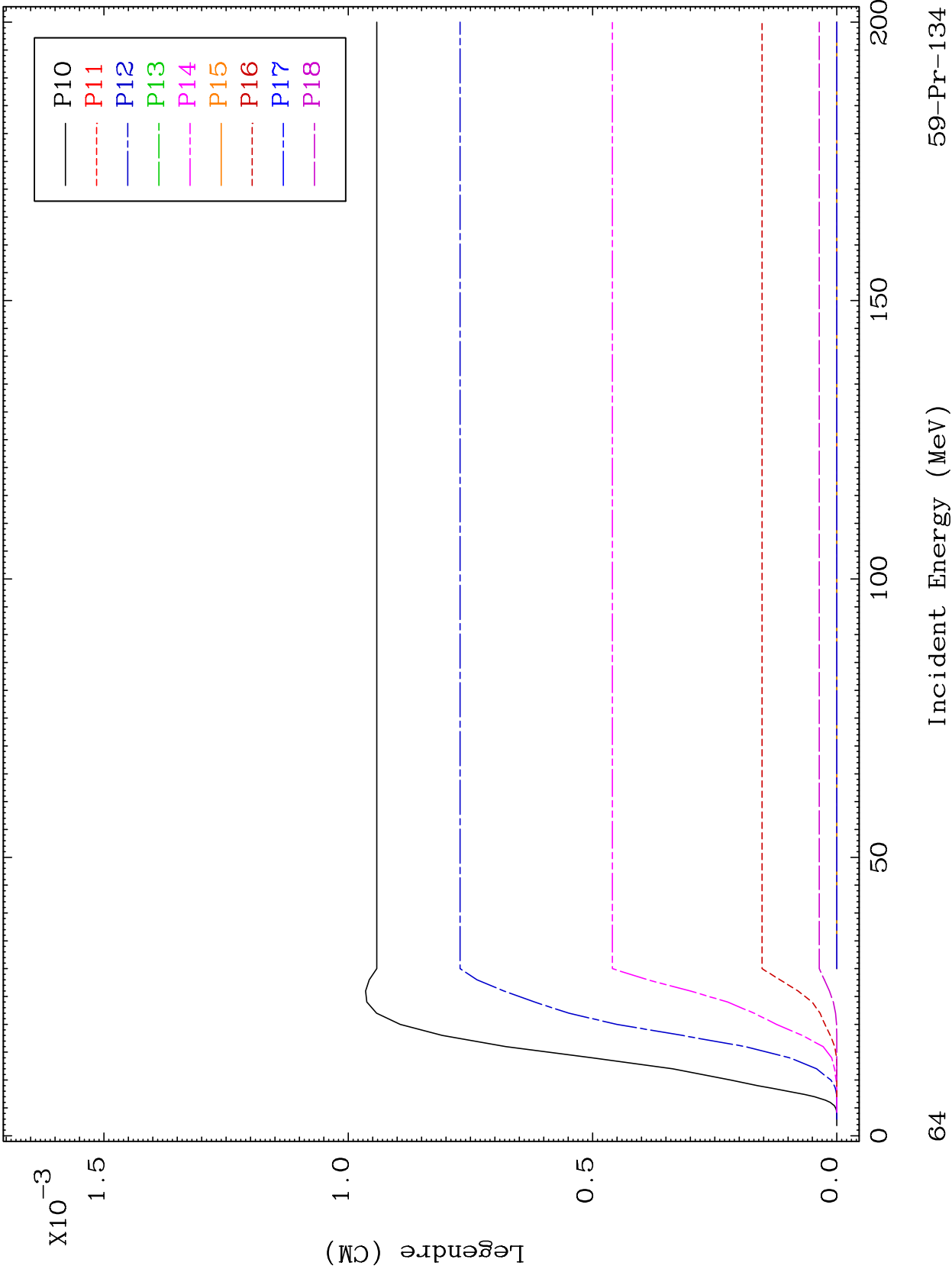




MAT 5904

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

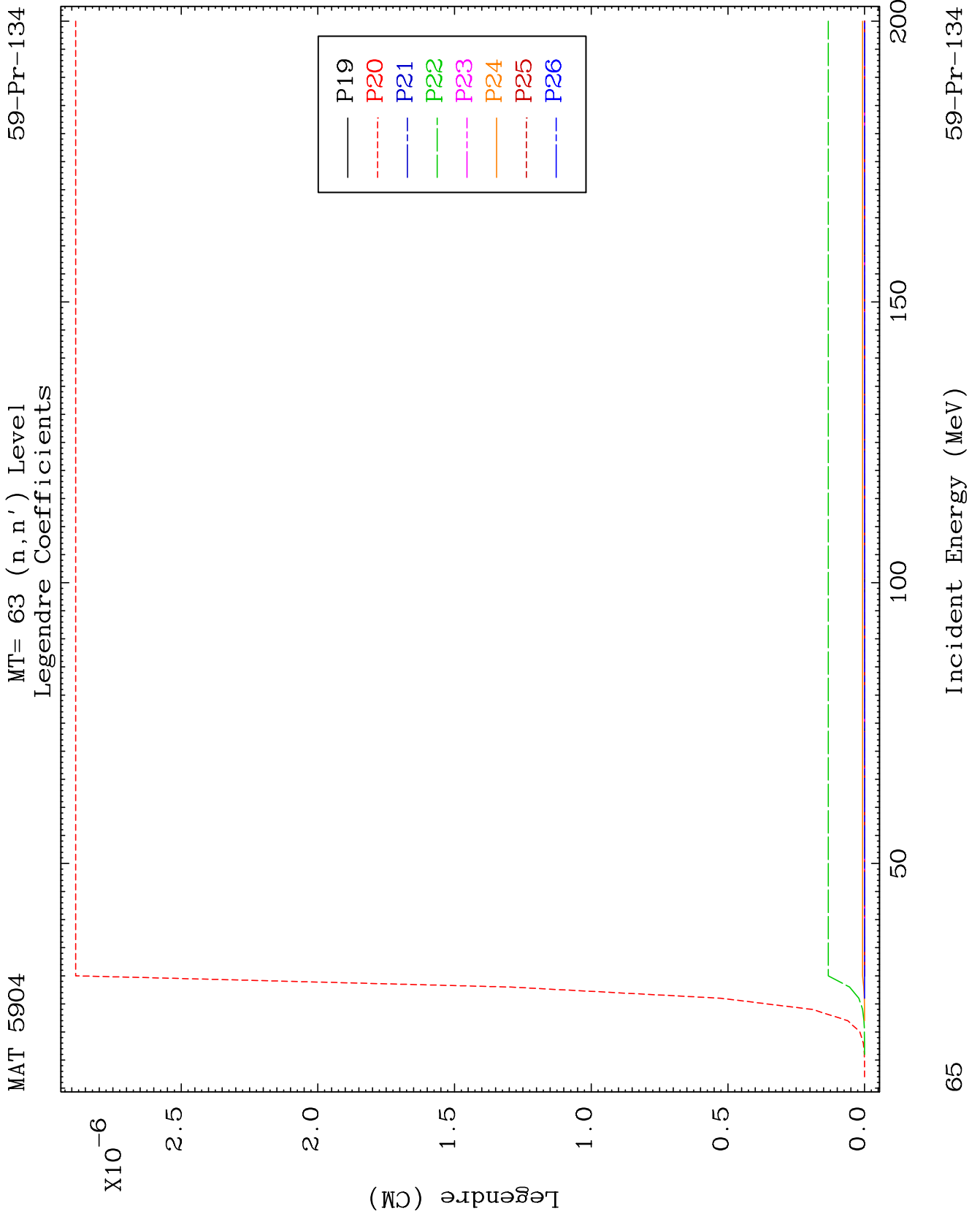
59-Pr-134



64

Incident Energy (MeV)

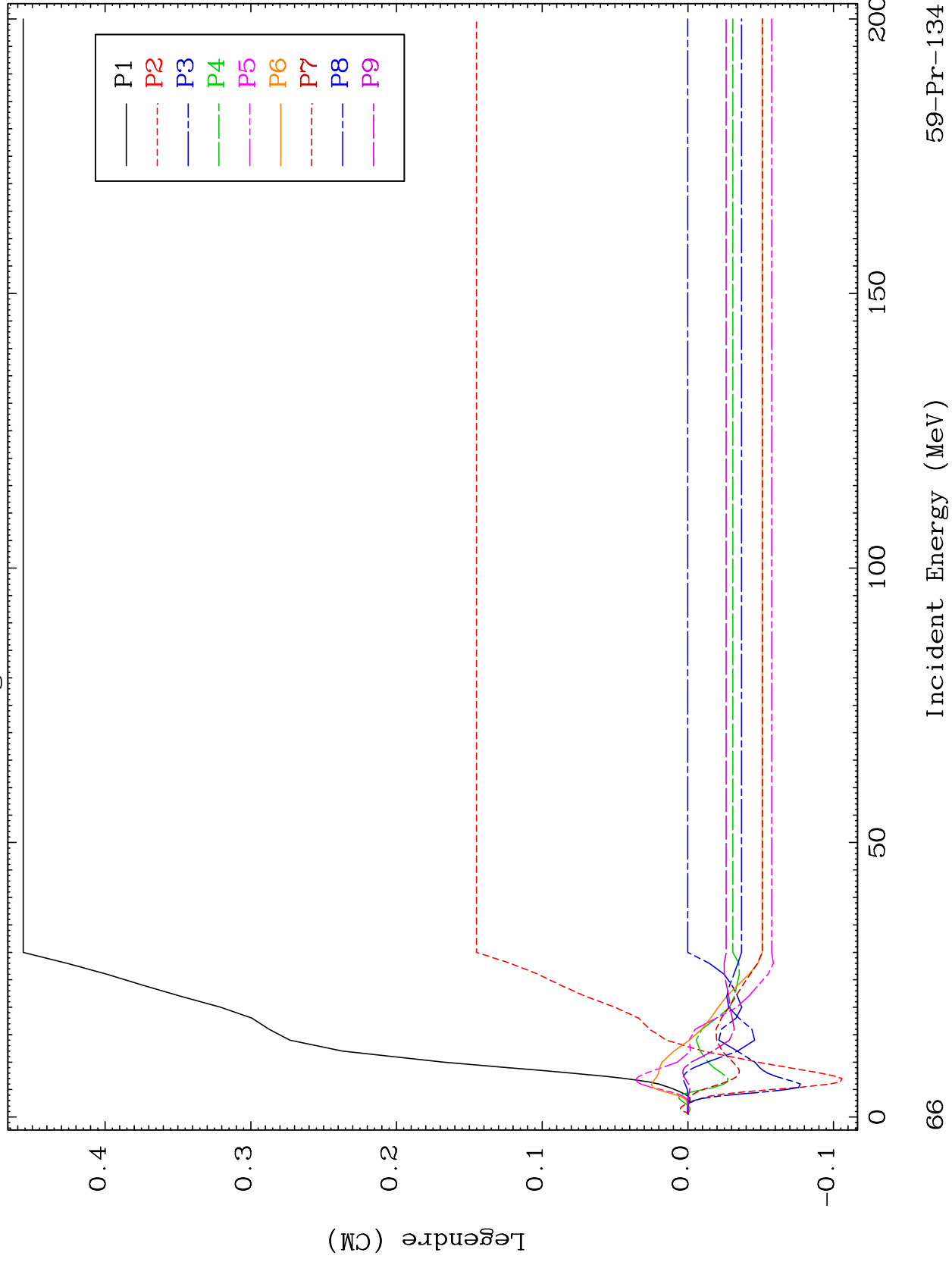
59-Pr-134



MAT 5904

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

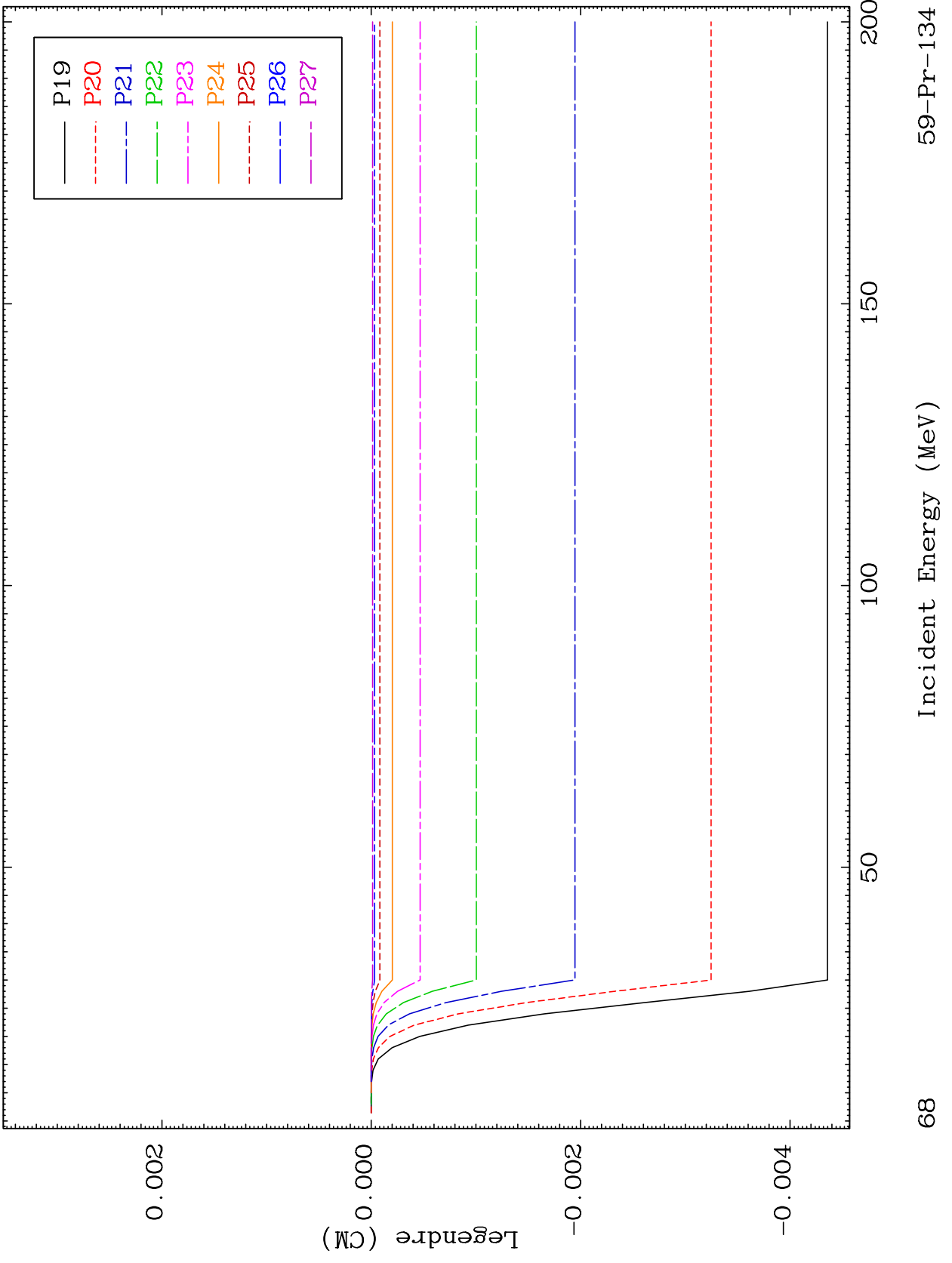
59-Pr-134



MAT 5904

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

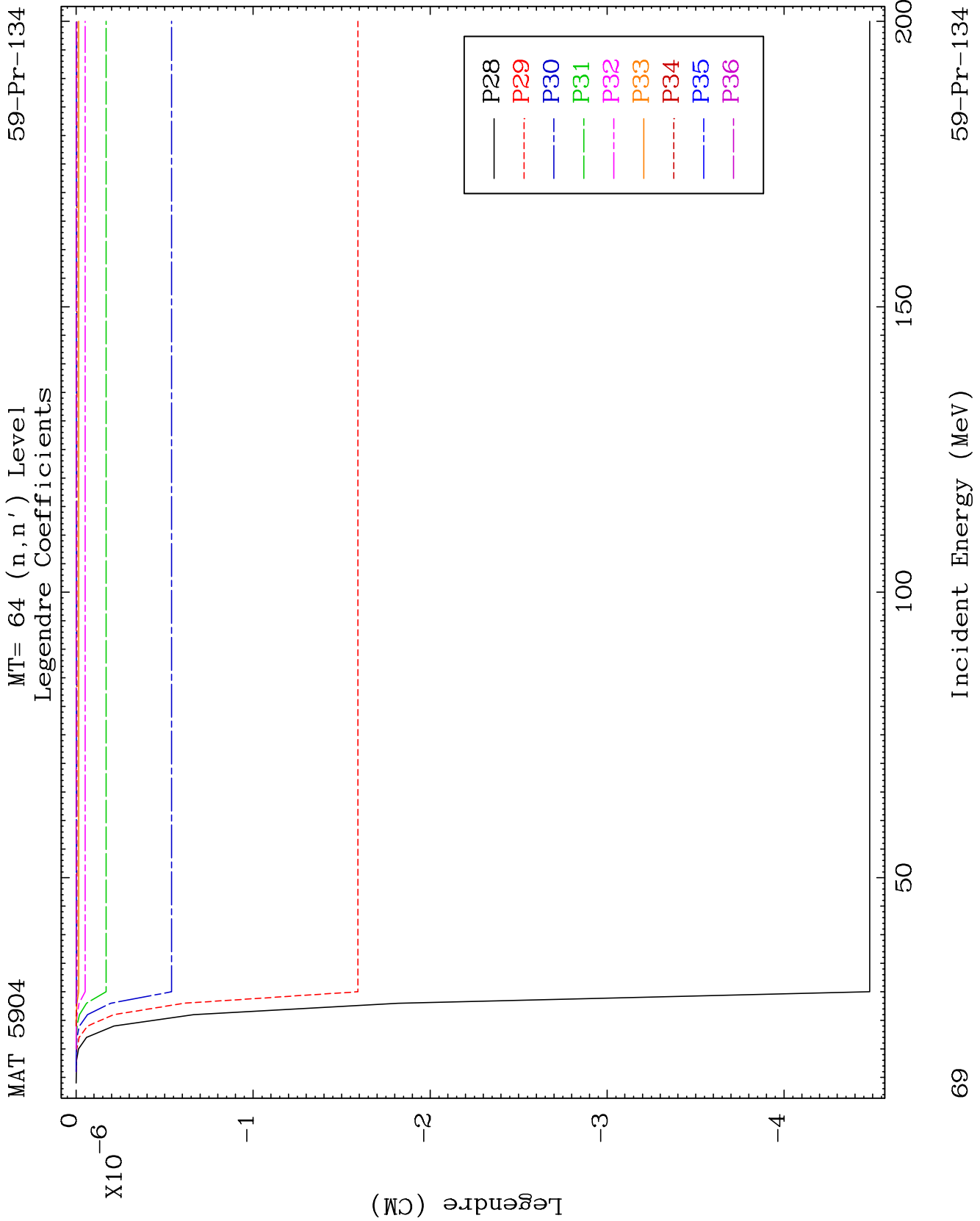
59-Pr-134



68

Incident Energy (MeV)

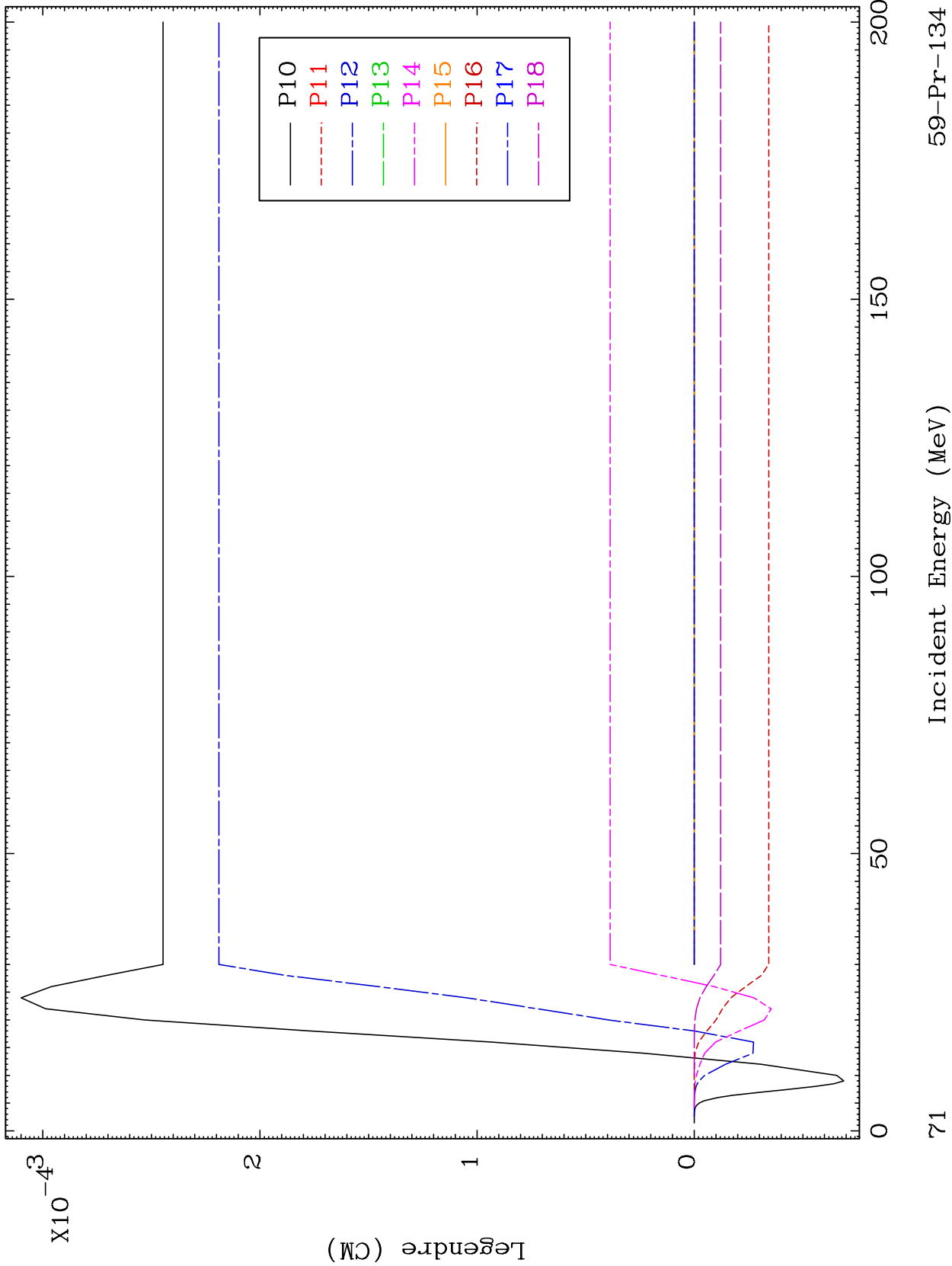
59-Pr-134



MAT 5904

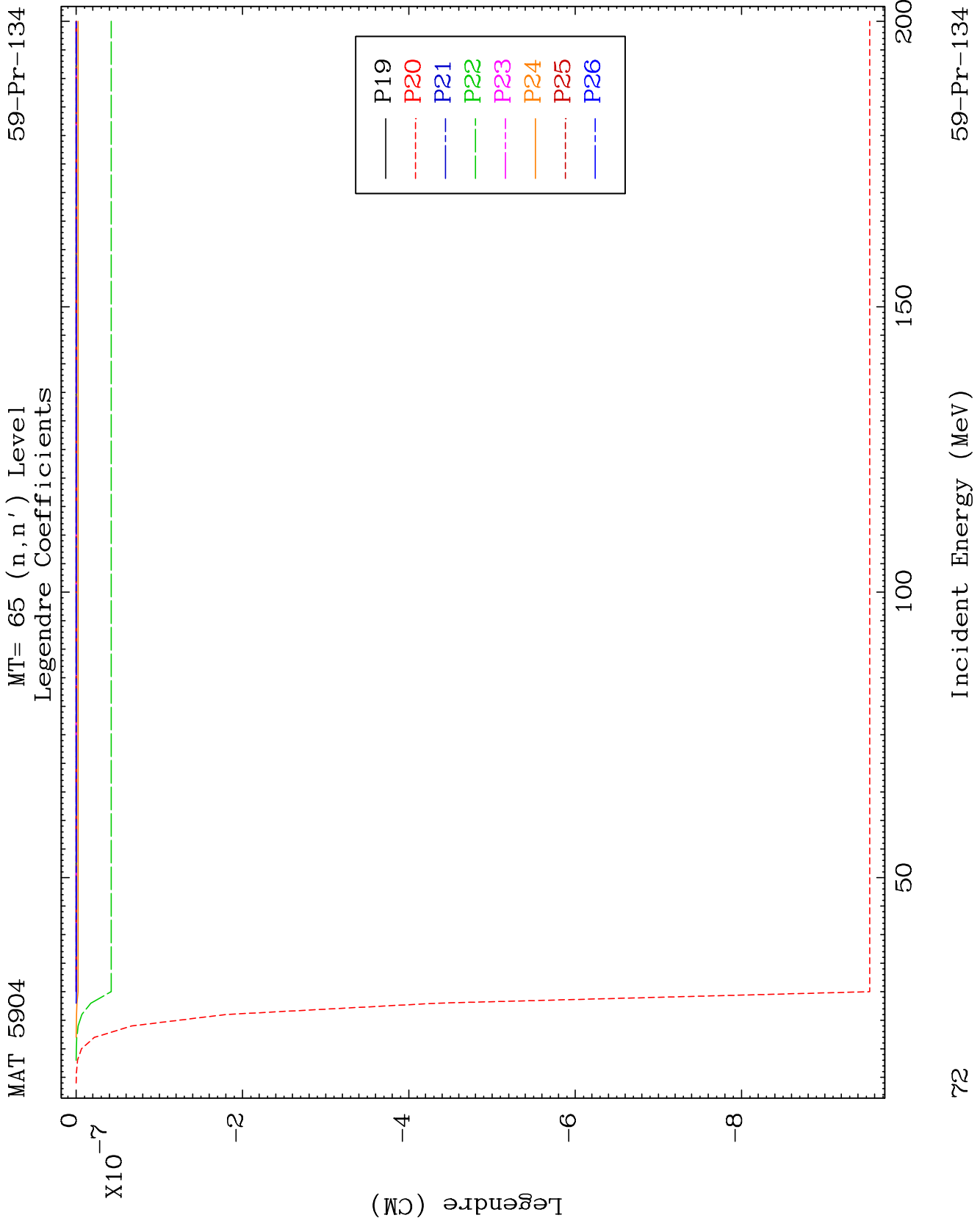
MT= 65 (n,n') Level
Legendre Coefficients

59-Pr-134



71

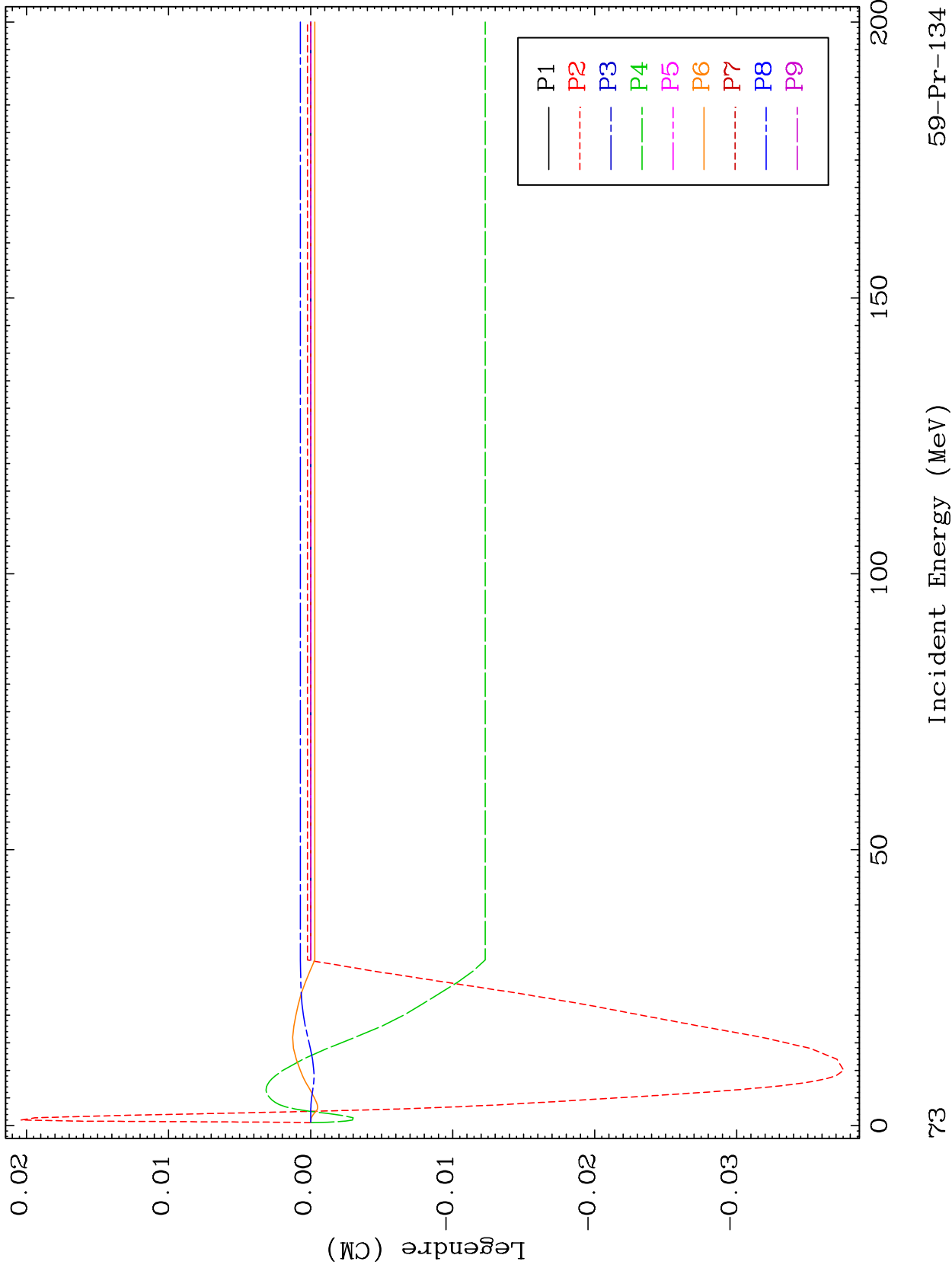
59-Pr-134



MAT 5904

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

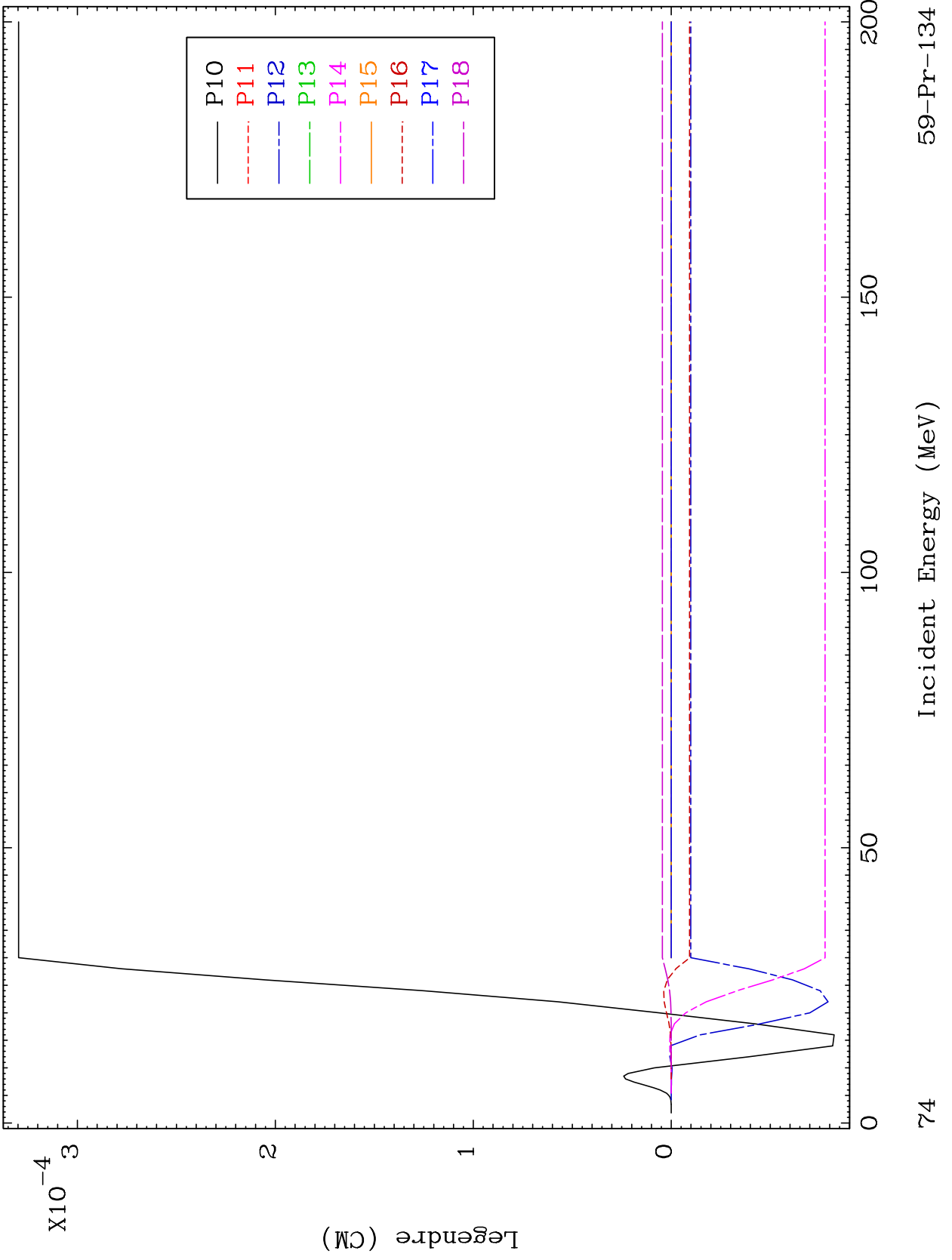
59-Pr-134

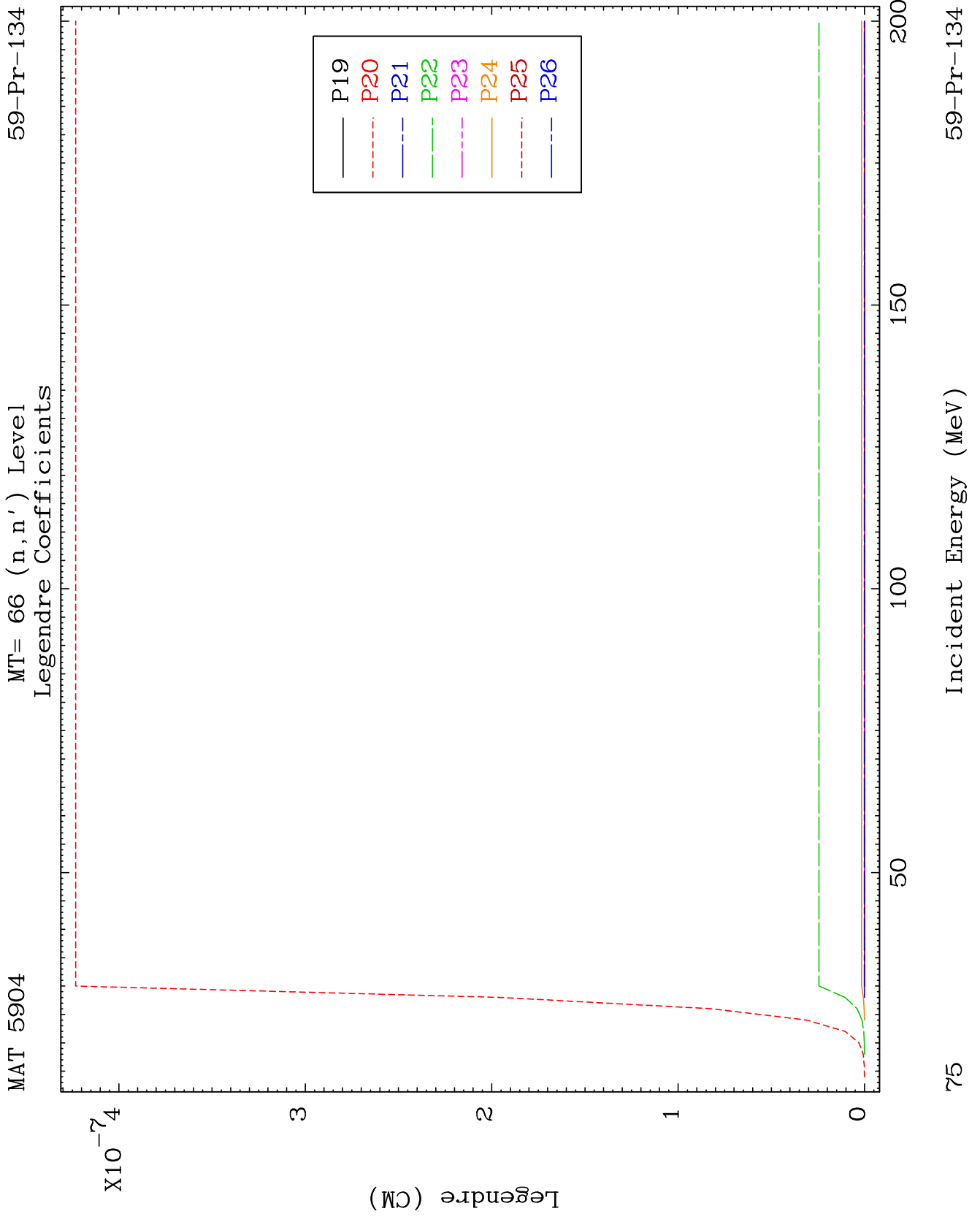


MAT 5904

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

59-Pr-134

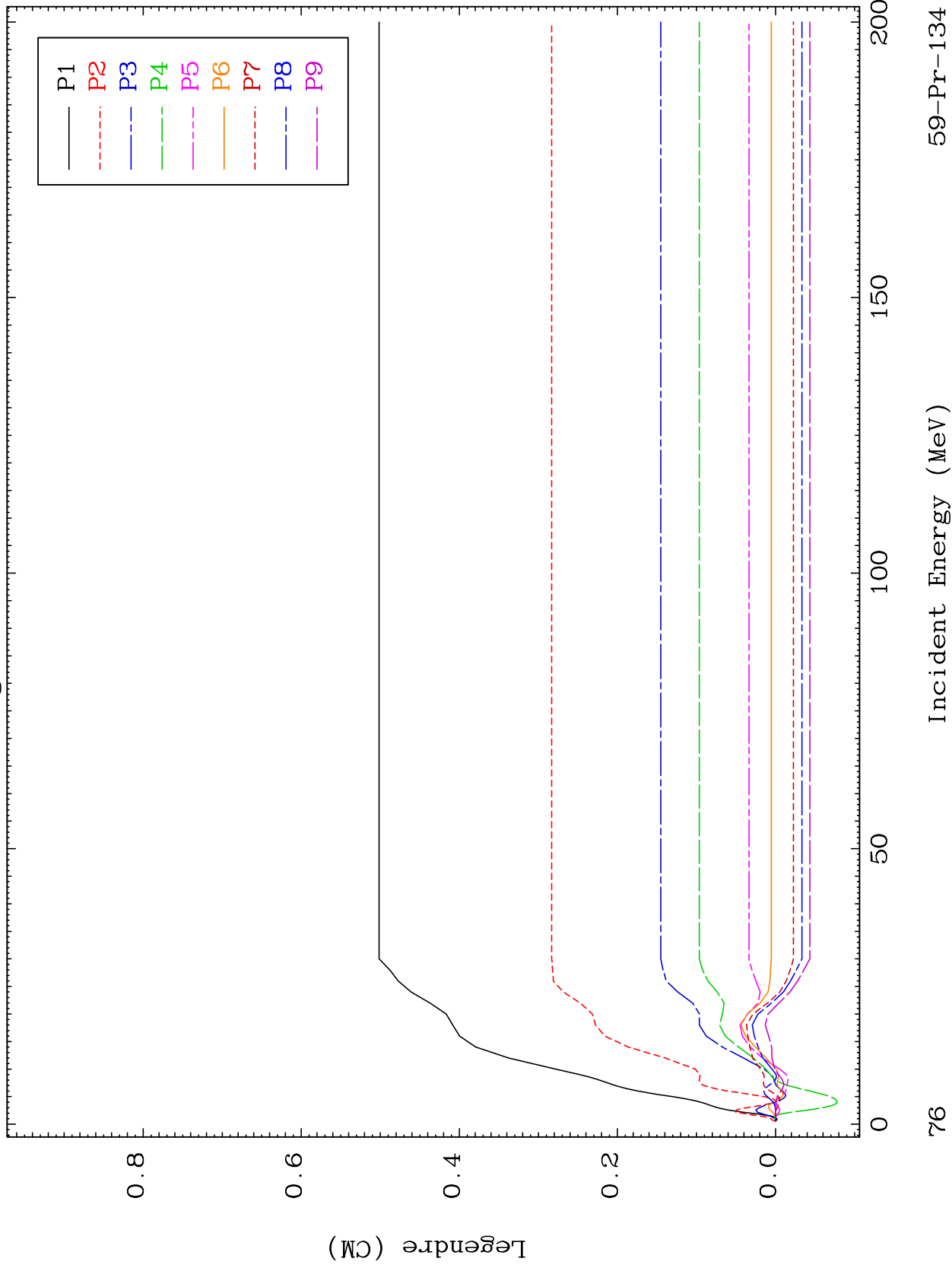




MAT 5904

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

59-Pr-134



59-Pr-134

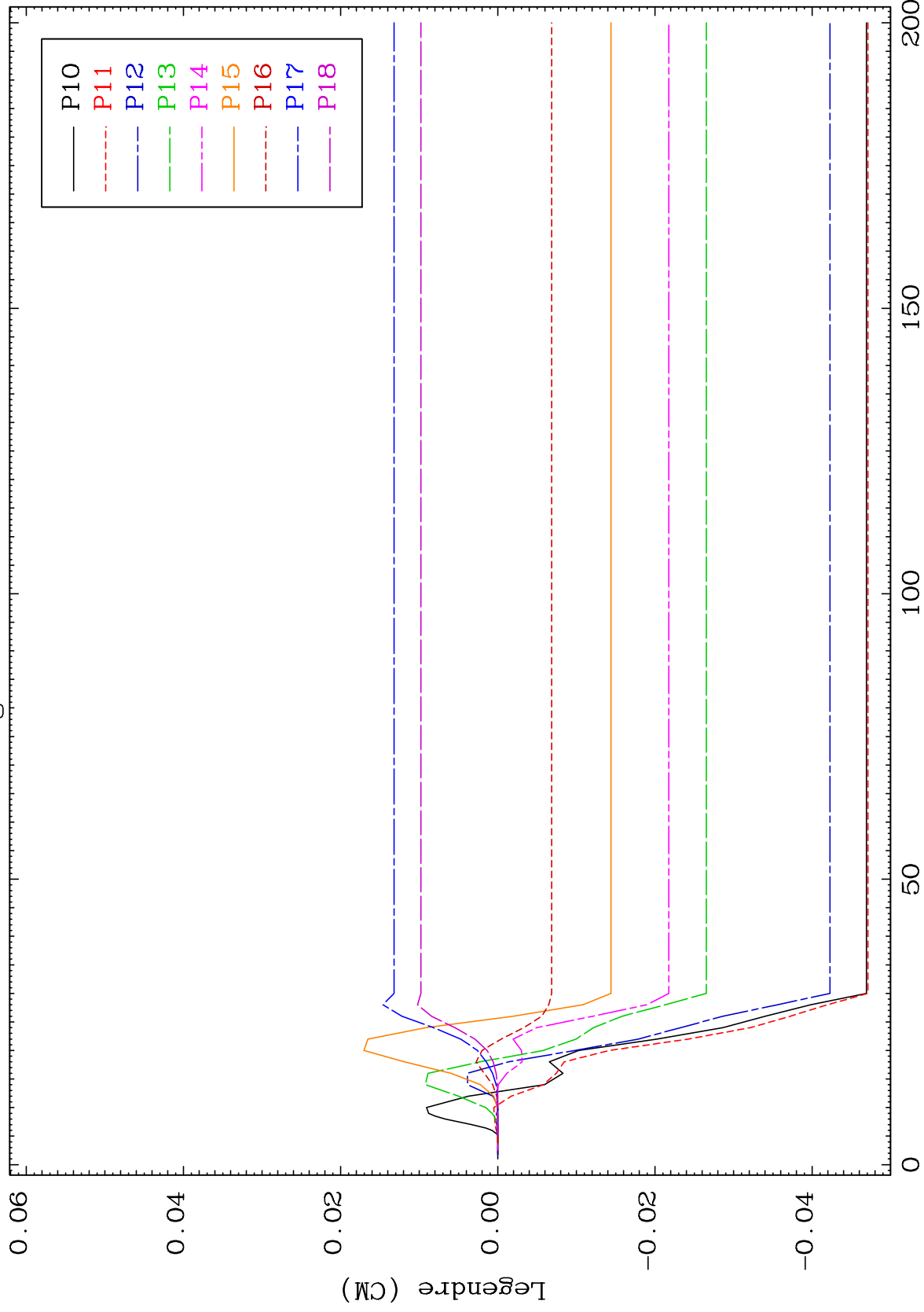
Incident Energy (MeV)

76

MAT 5904

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

59-Pr-134



77

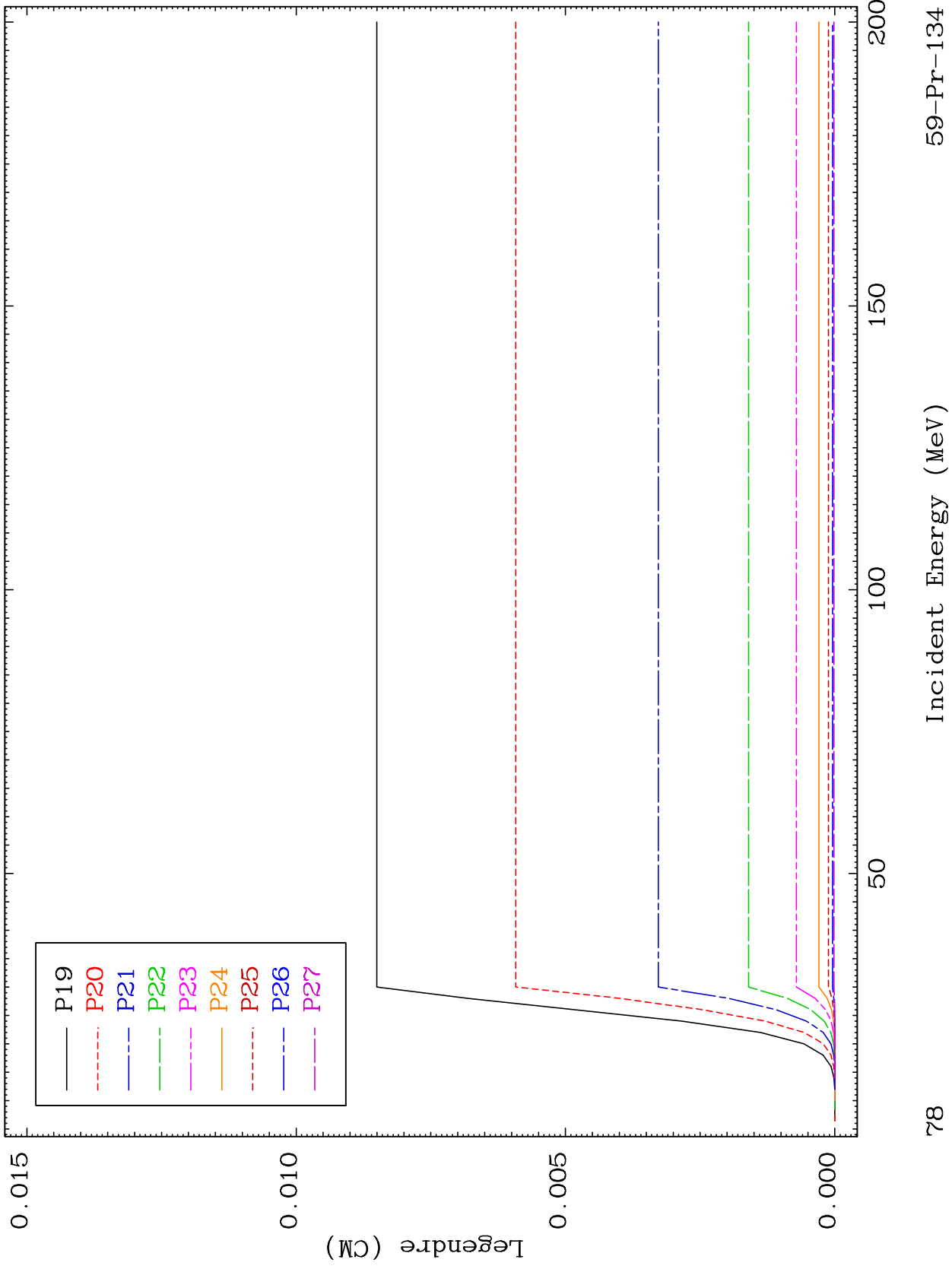
Incident Energy (MeV)

59-Pr-134

MAT 5904

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

59-Pr-134



78

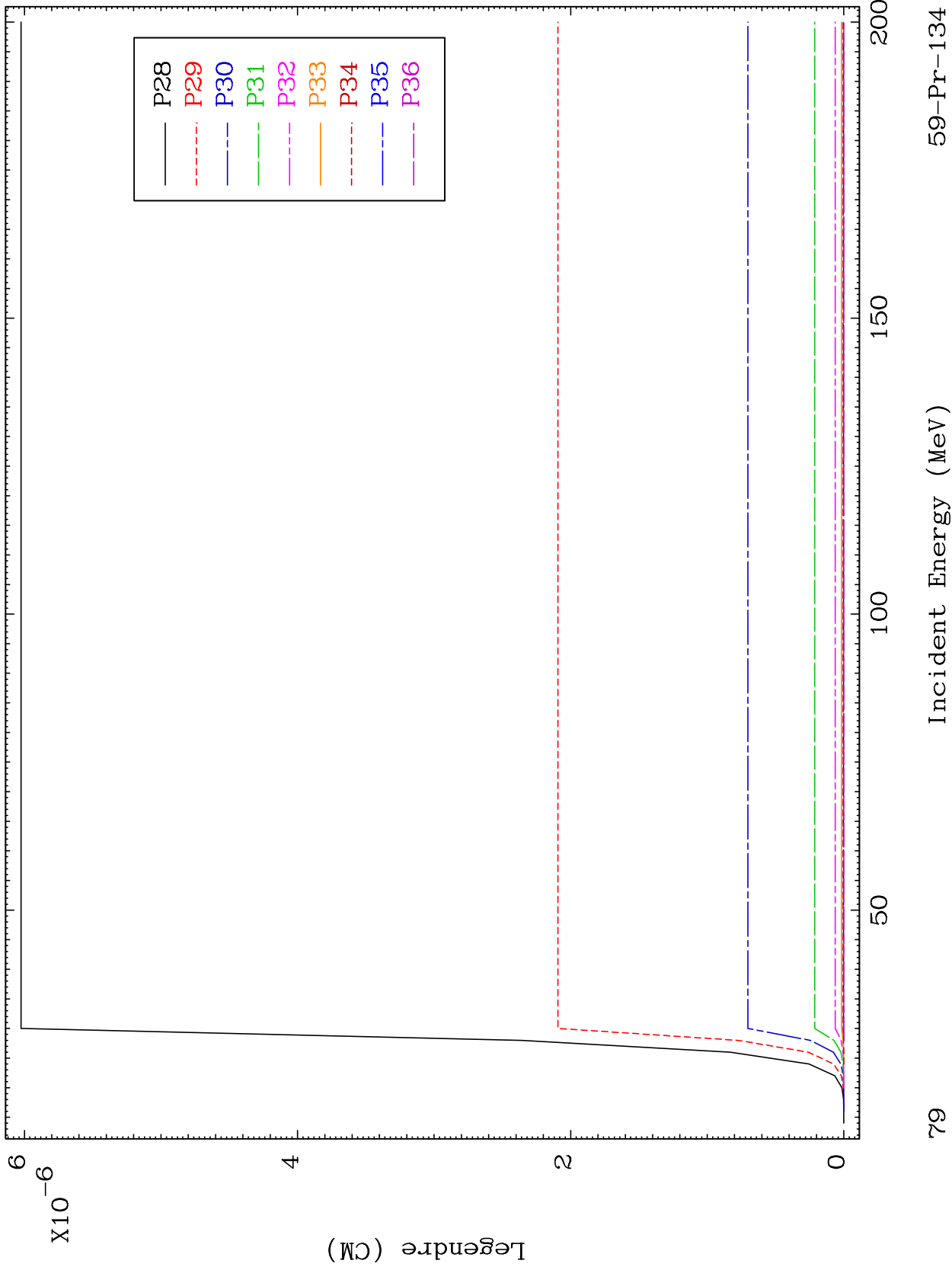
Incident Energy (MeV)

59-Pr-134

MAT 5904

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

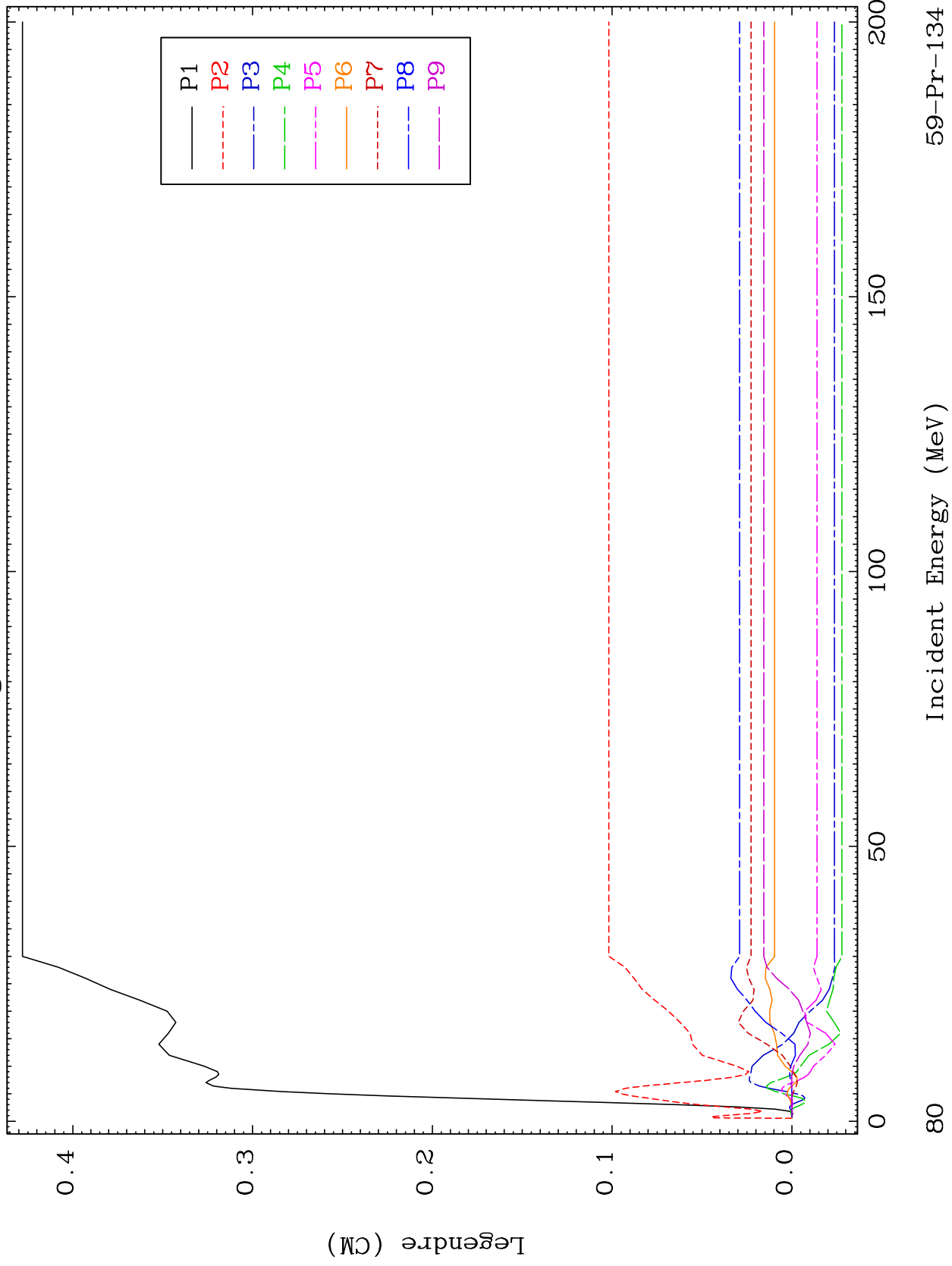
59-Pr-134



MAT 5904

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

59-Pr-134



59-Pr-134

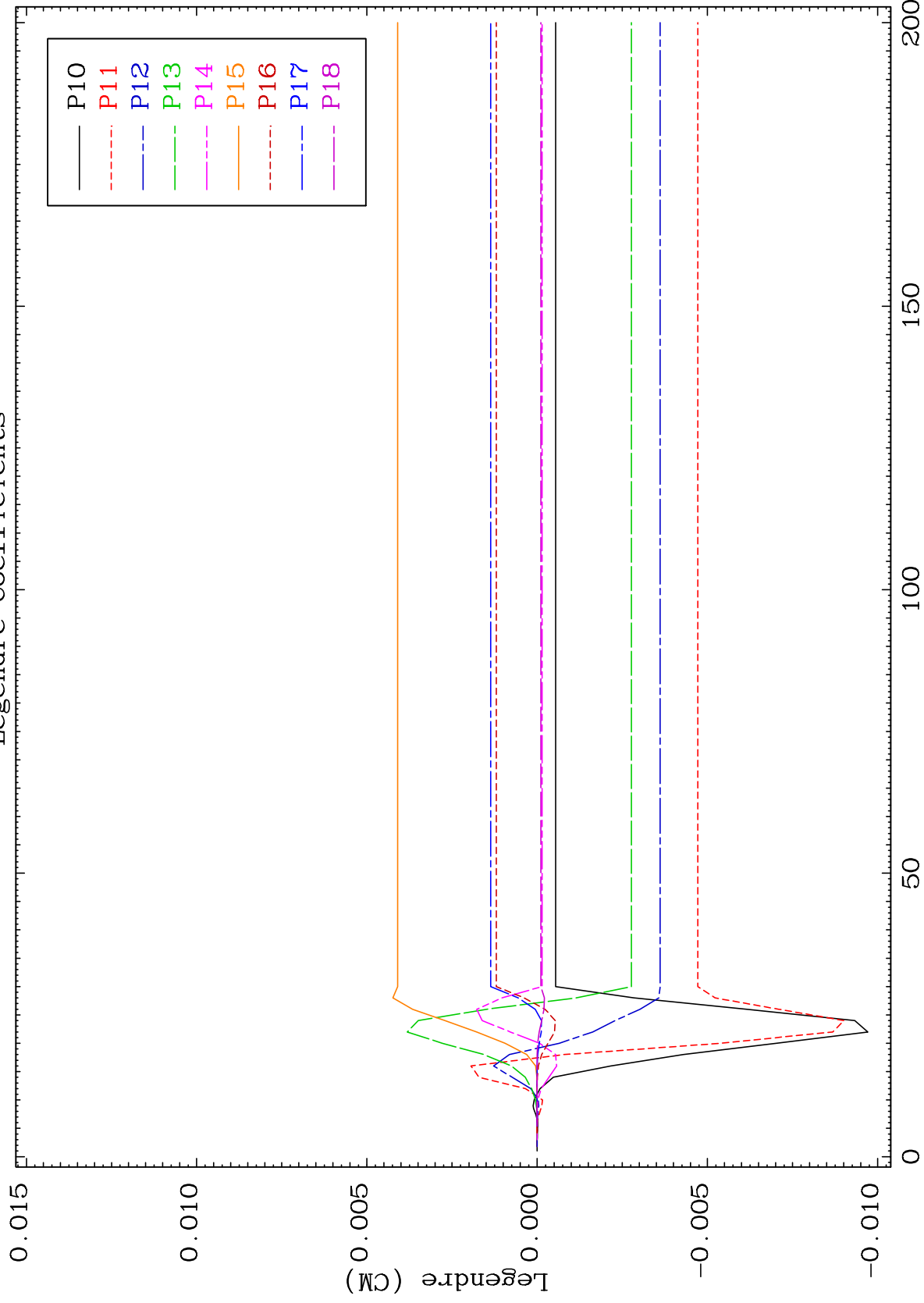
Incident Energy (MeV)

80

MAT 5904

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

59-Pr-134



81

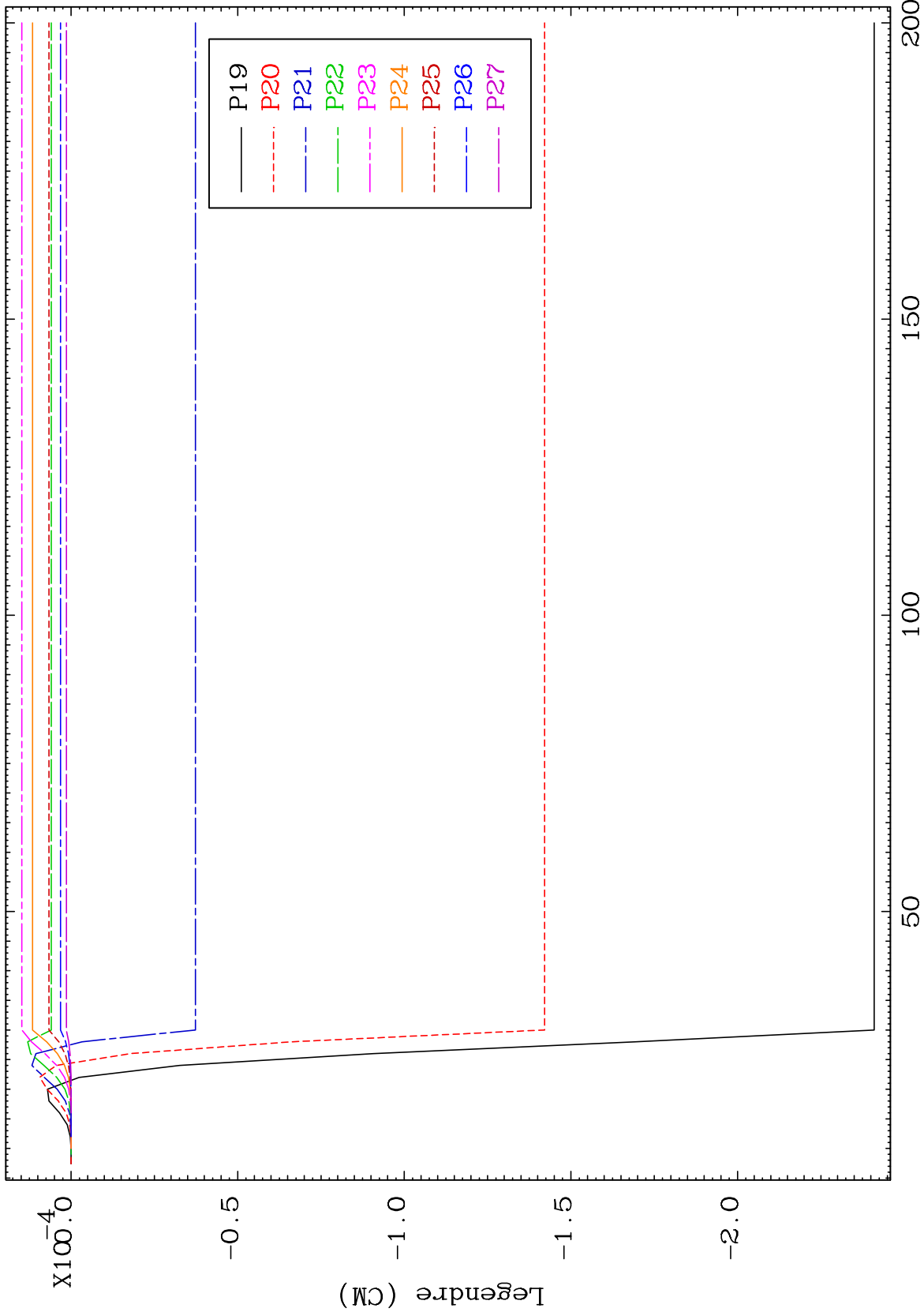
Incident Energy (MeV)

59-Pr-134

MAT 5904

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

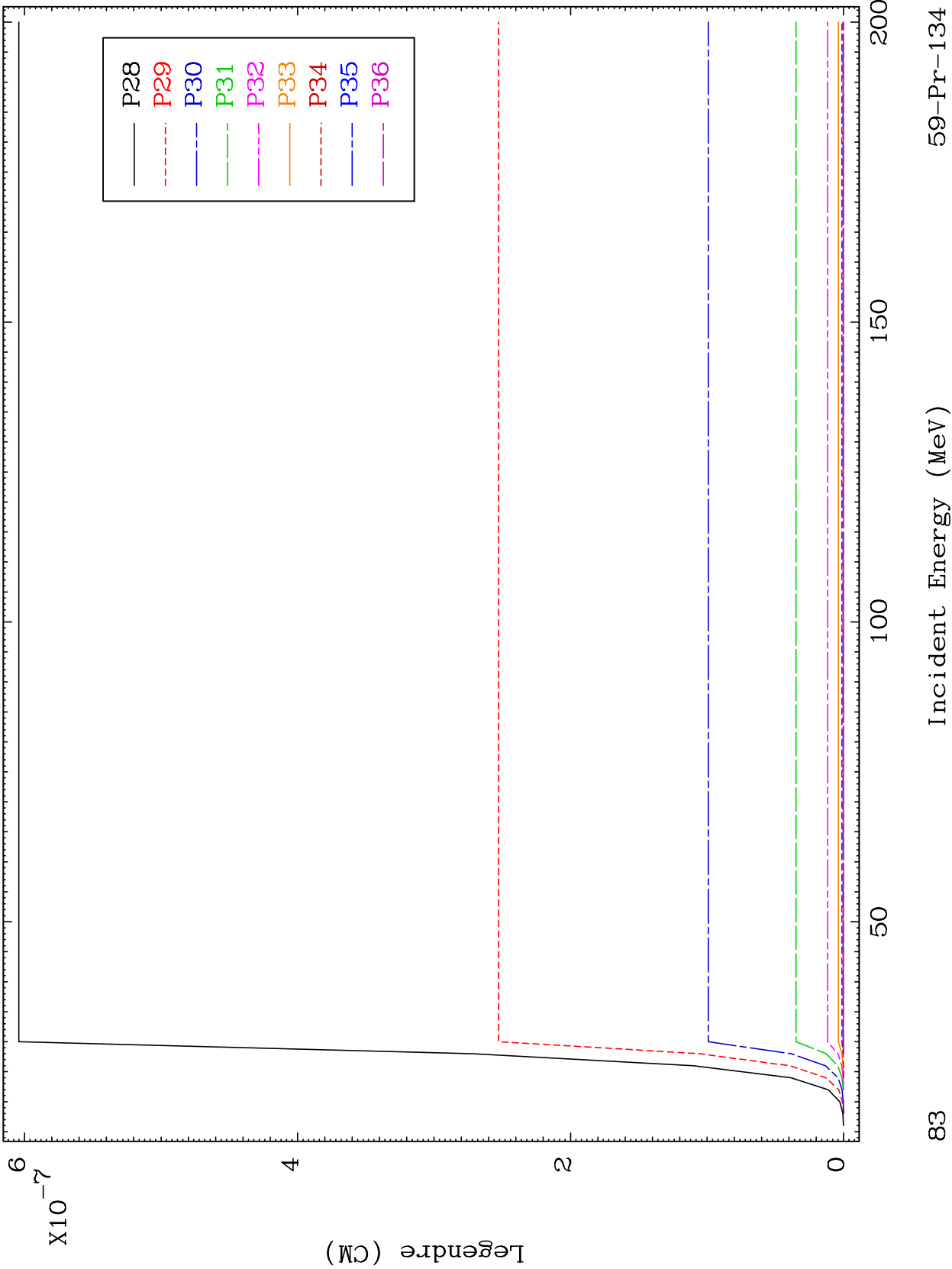
59-Pr-134



MAT 5904

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

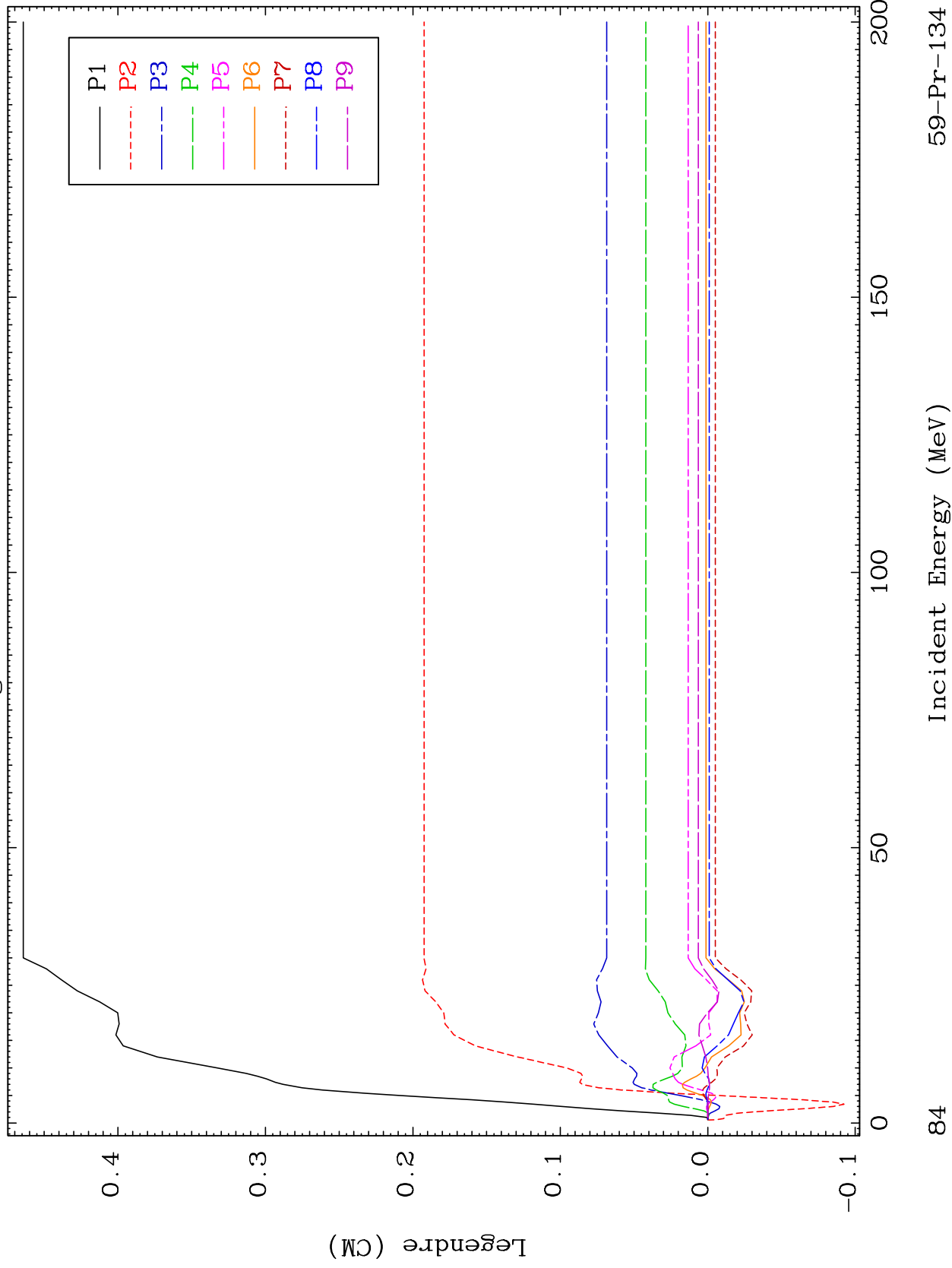
59-Pr-134



MAT 5904

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

59-Pr-134



59-Pr-134

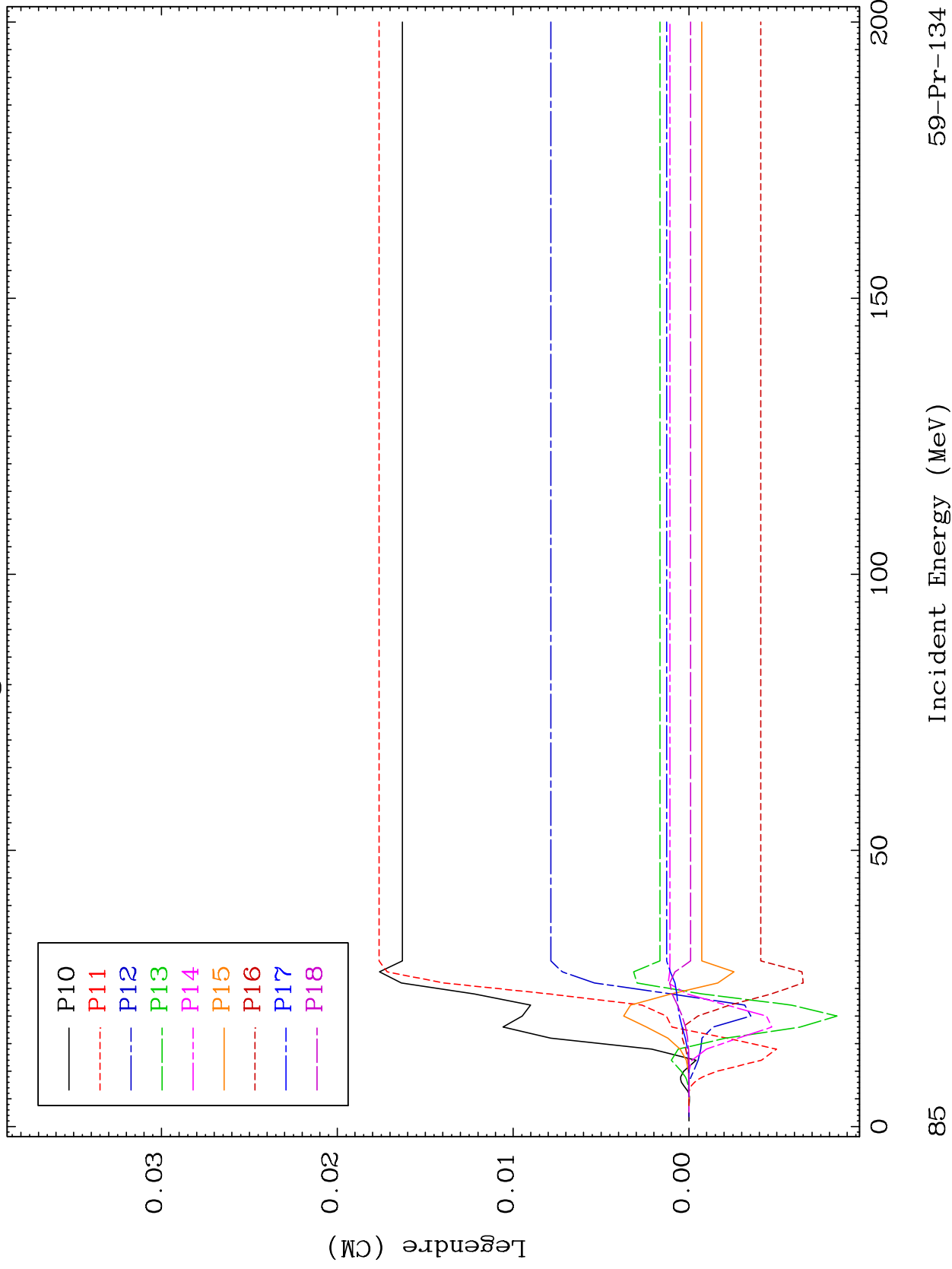
Incident Energy (MeV)

84

MAT 5904

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

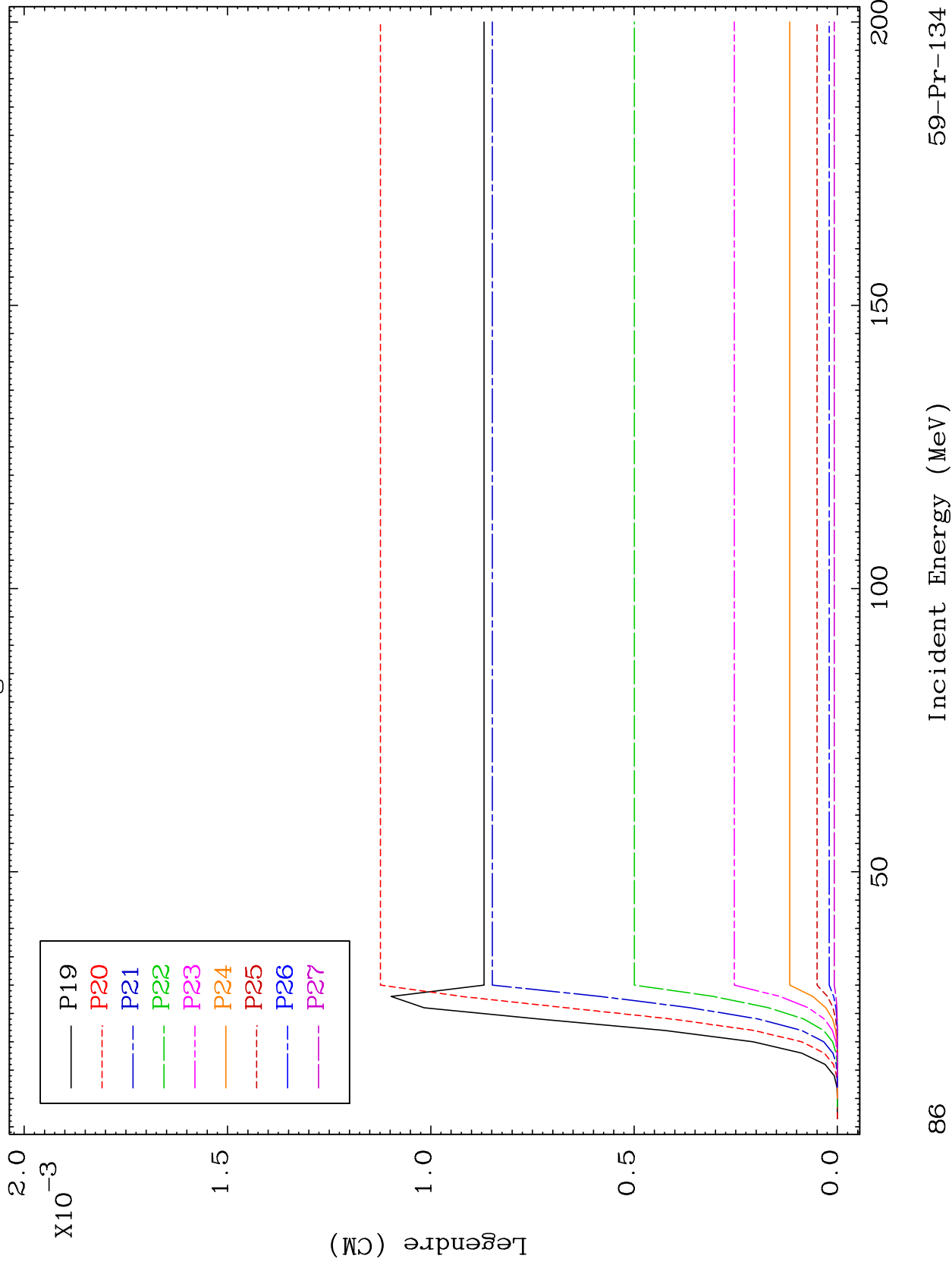
59-Pr-134



59-Pr-134

Incident Energy (MeV)

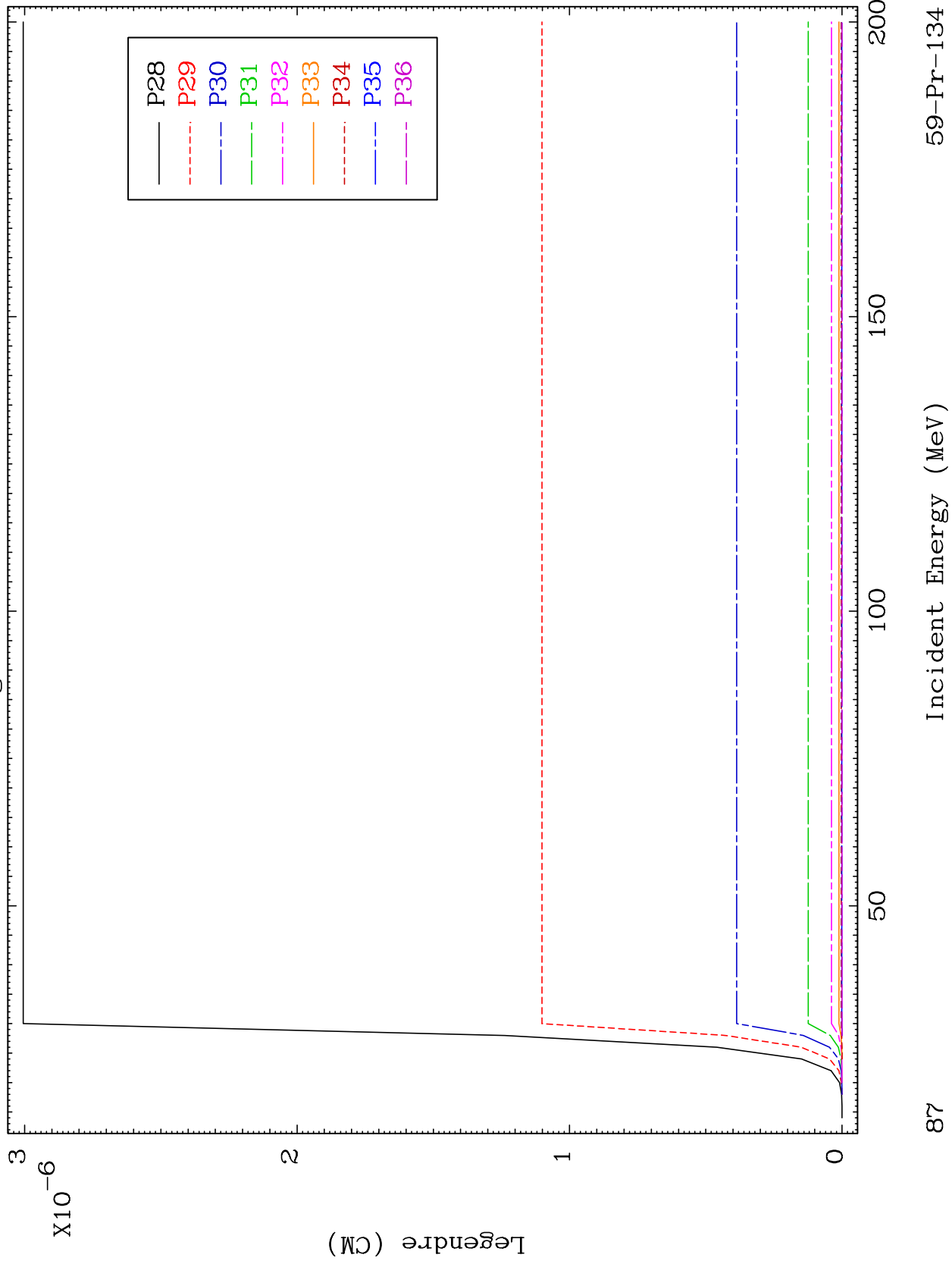
85



MAT 5904

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

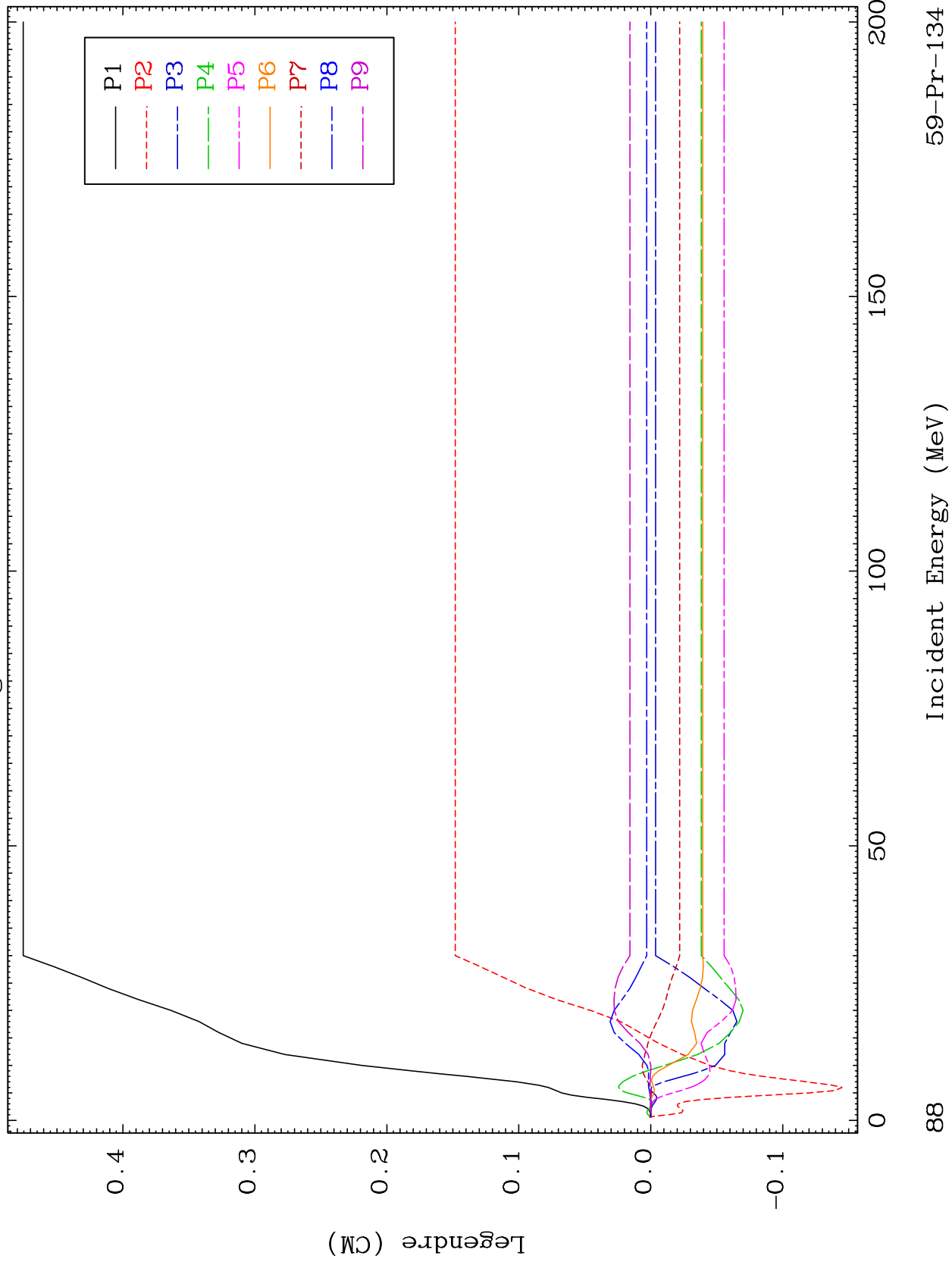
59-Pr-134



MAT 5904

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

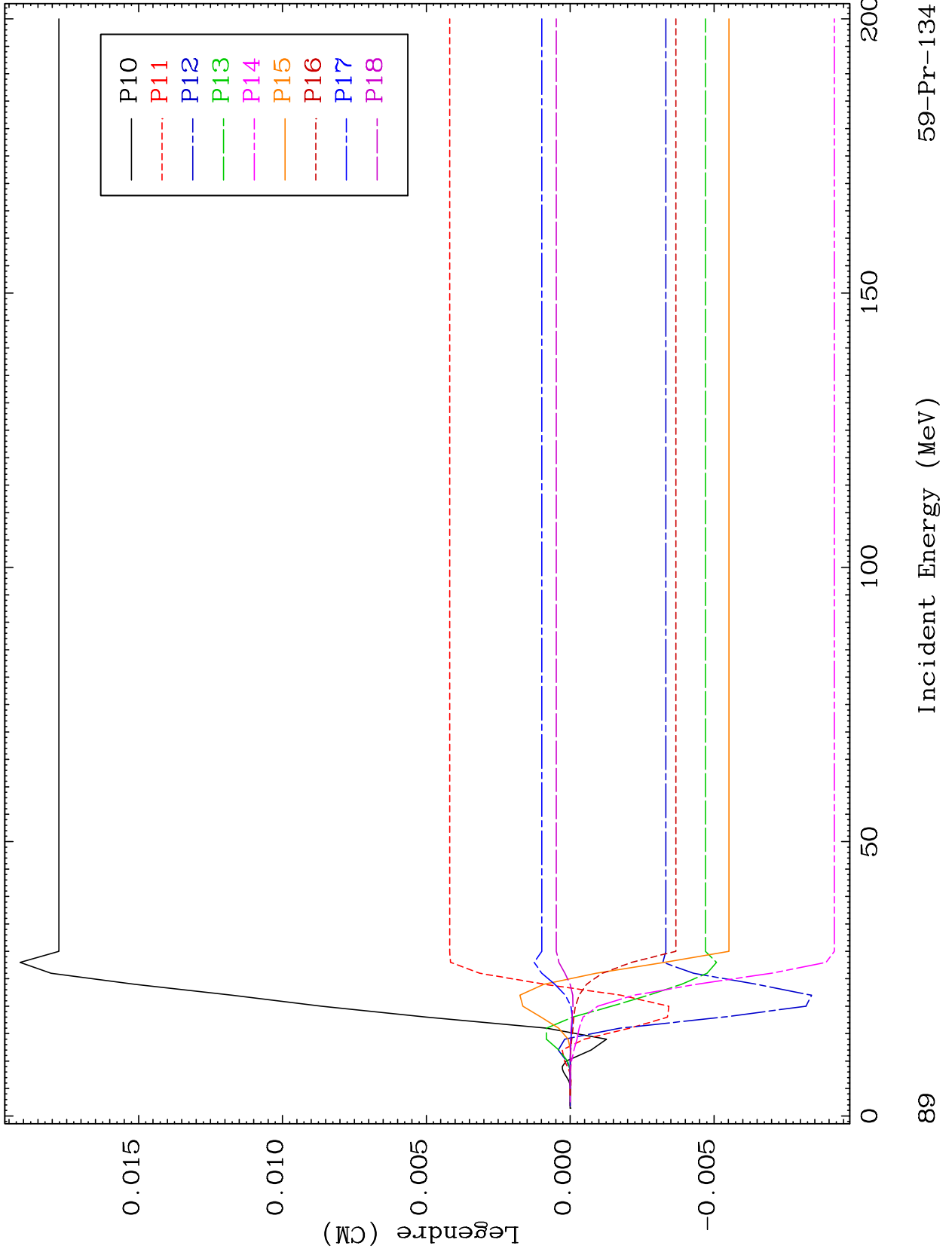
59-Pr-134



MAT 5904

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

59-Pr-134



89

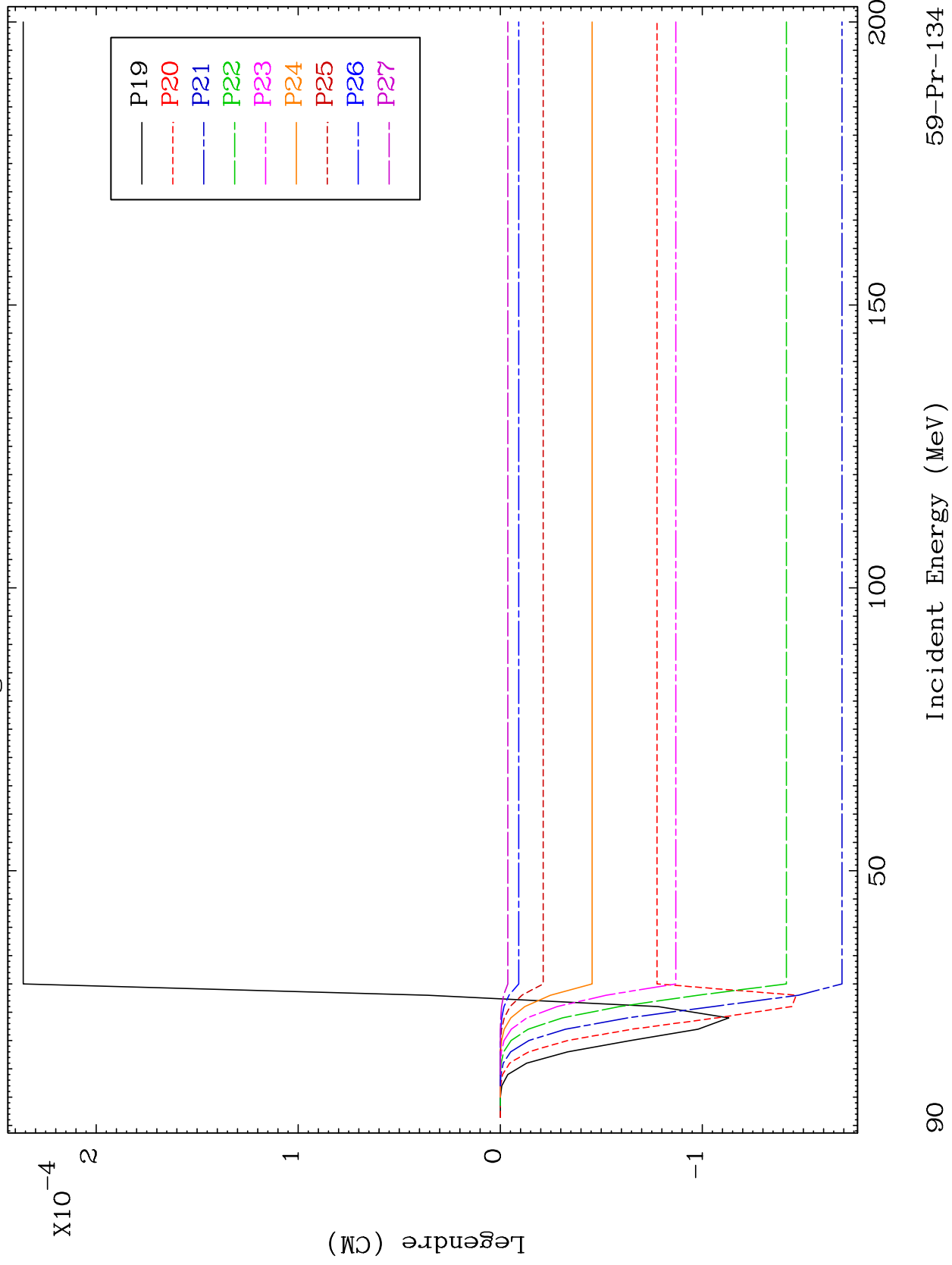
Incident Energy (MeV)

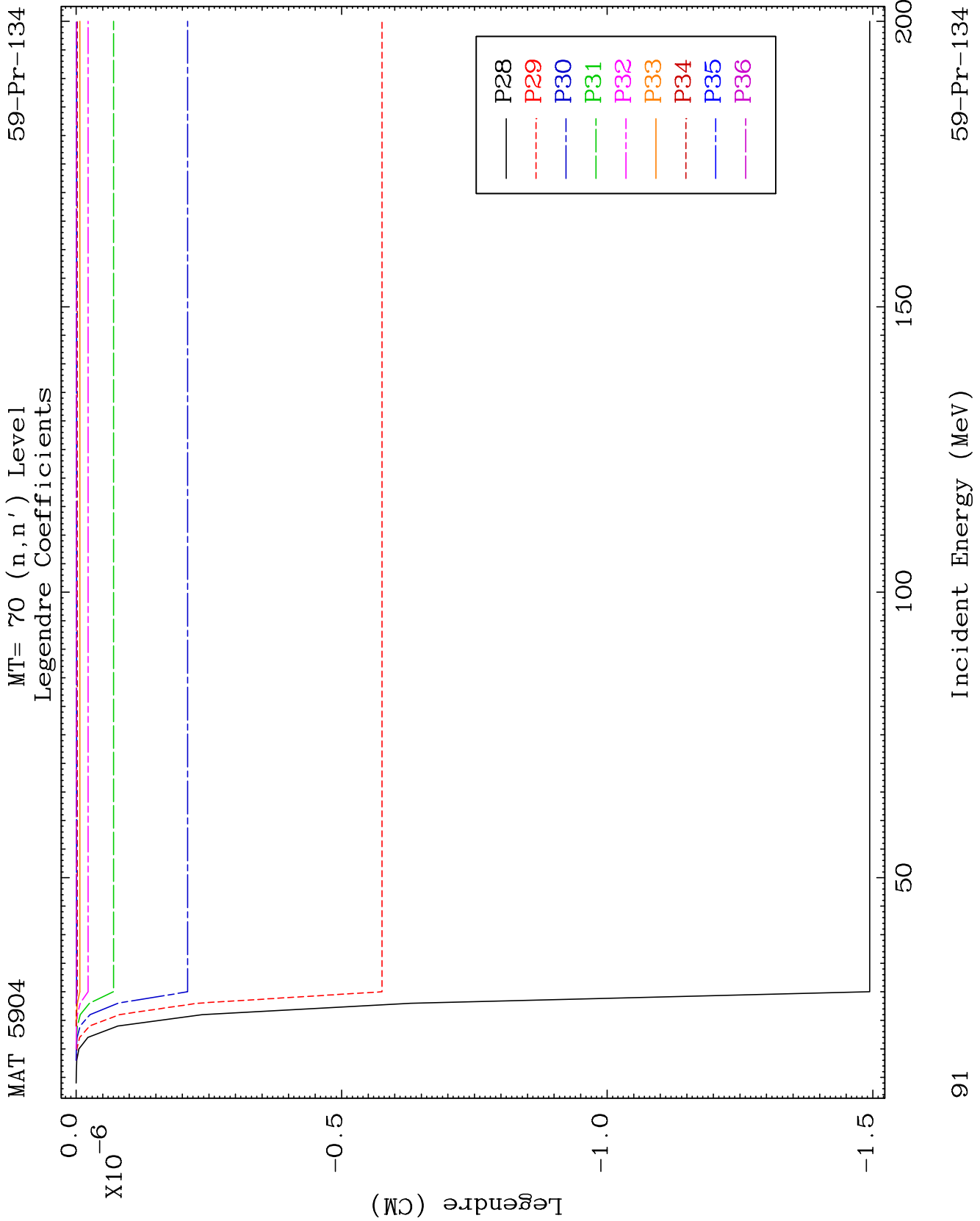
59-Pr-134

MAT 5904

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

59-Pr-134

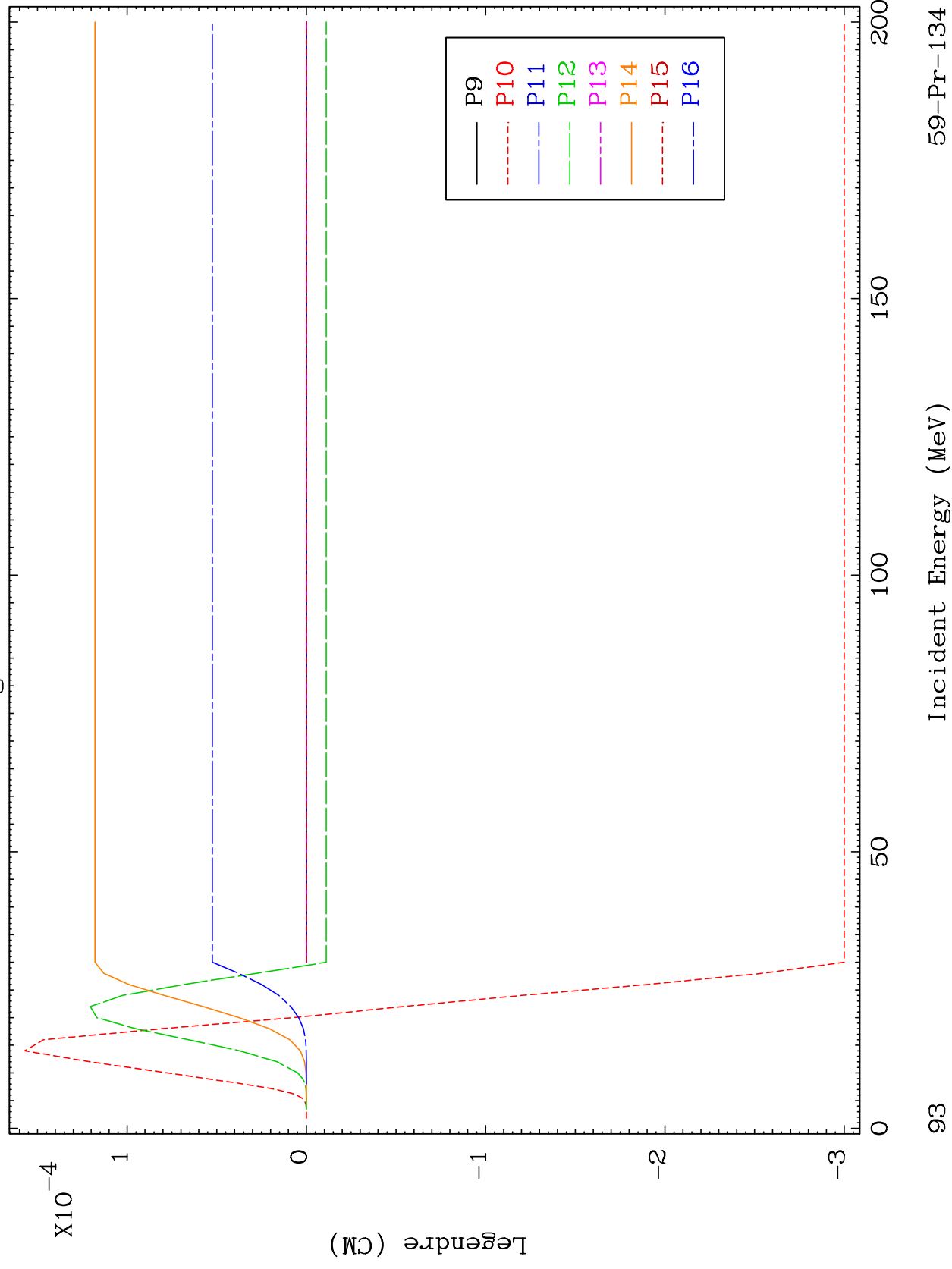




MAT 5904

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

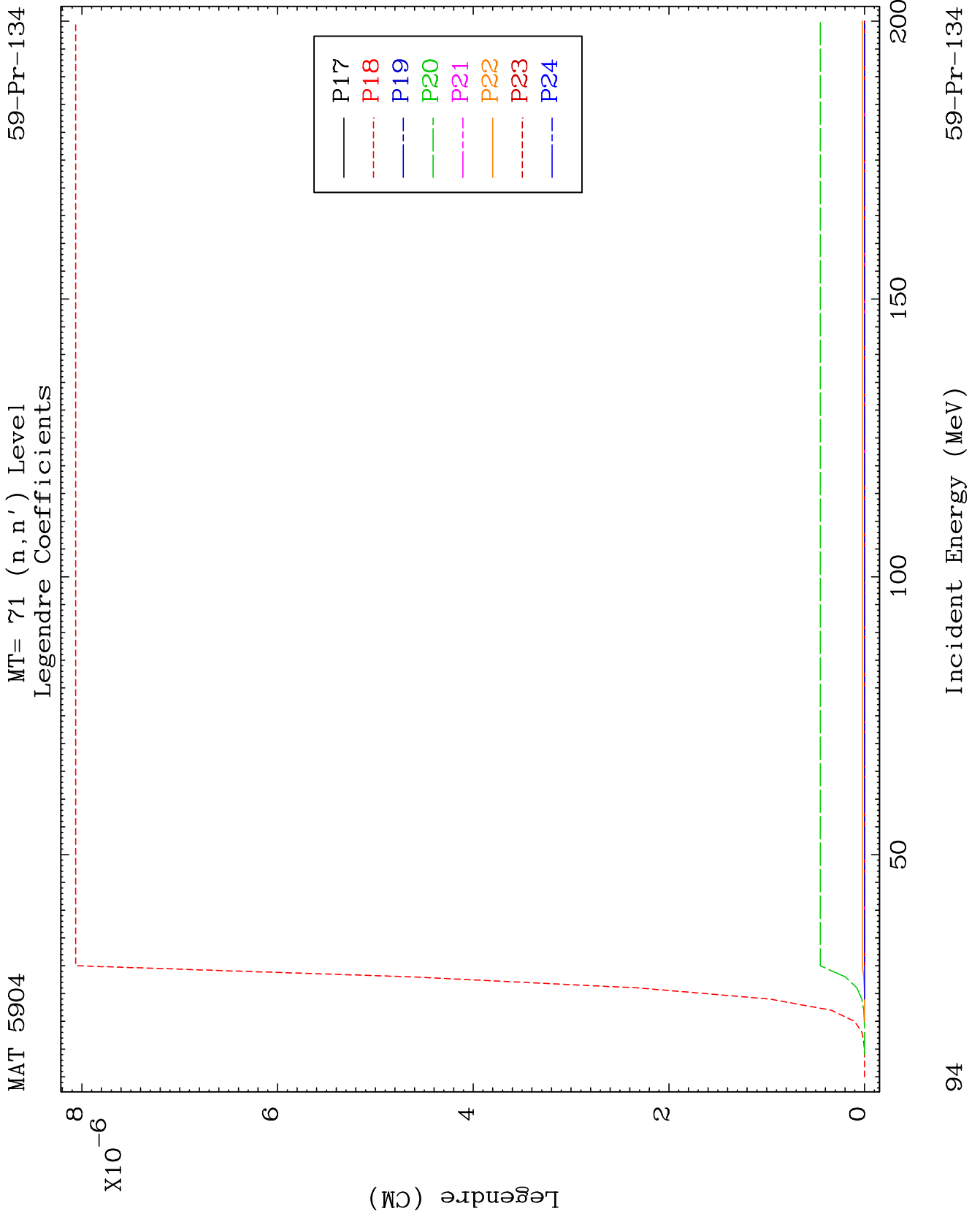
59-Pr-134

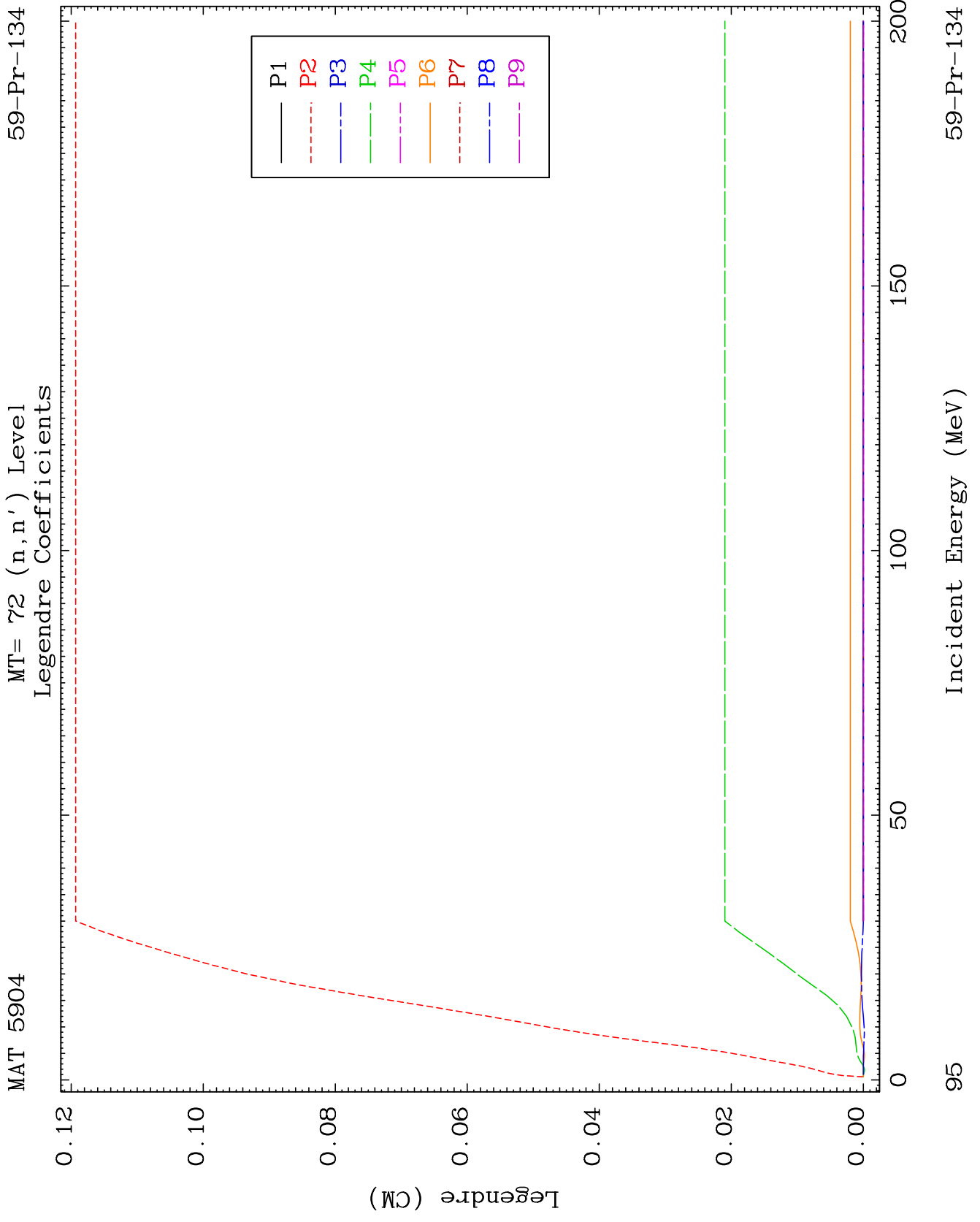


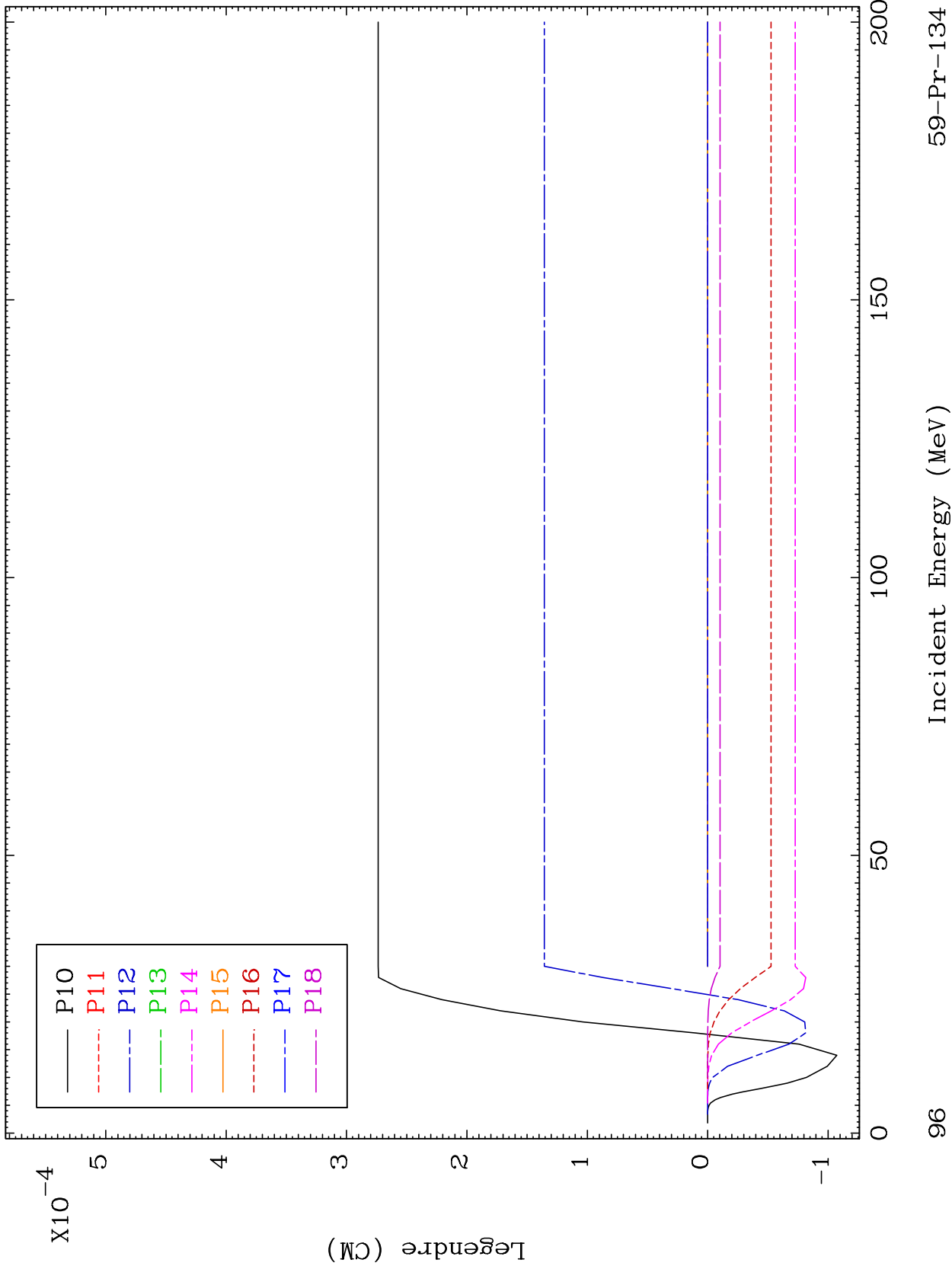
93

Incident Energy (MeV)

59-Pr-134



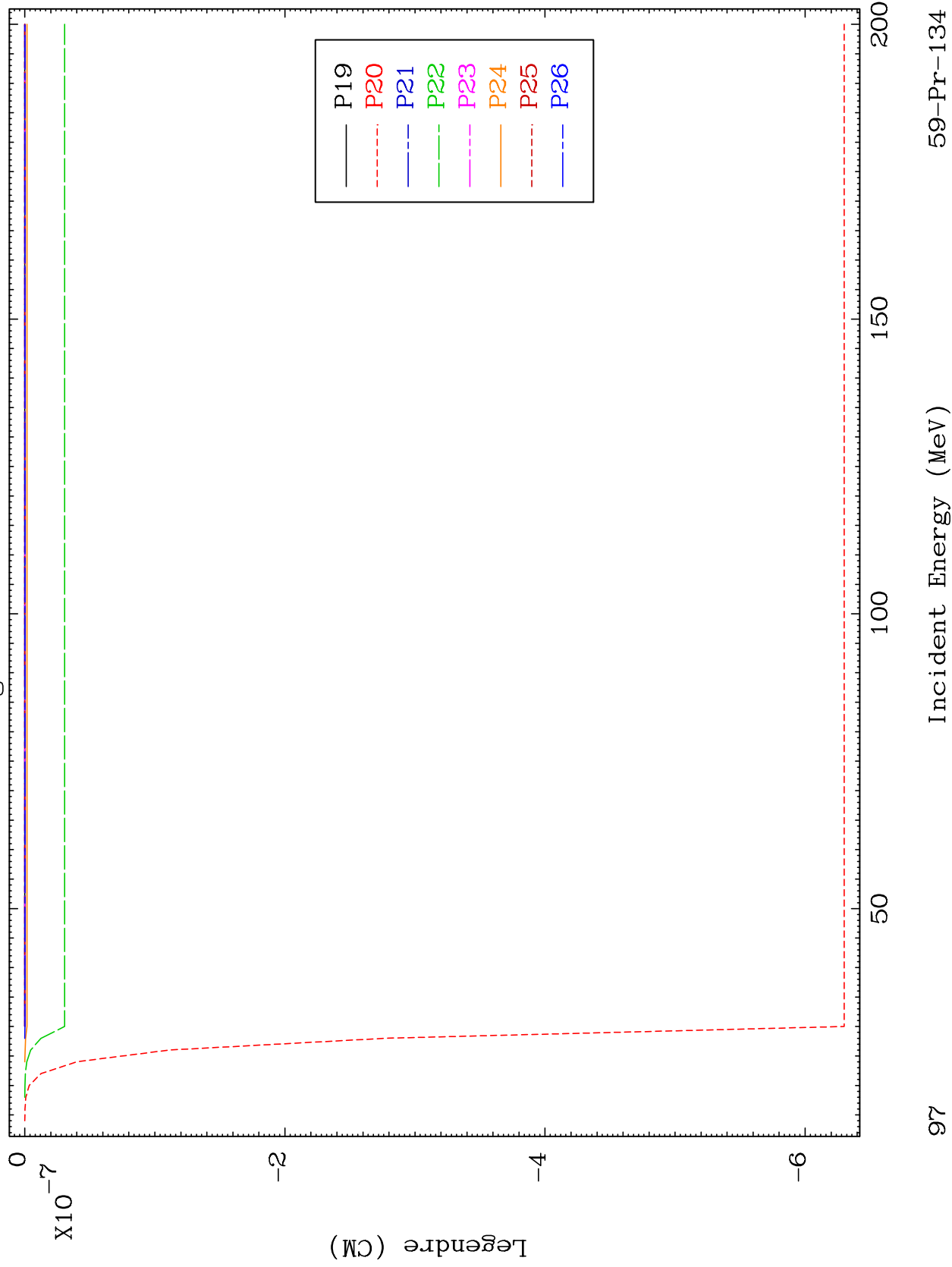




MAT 5904

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

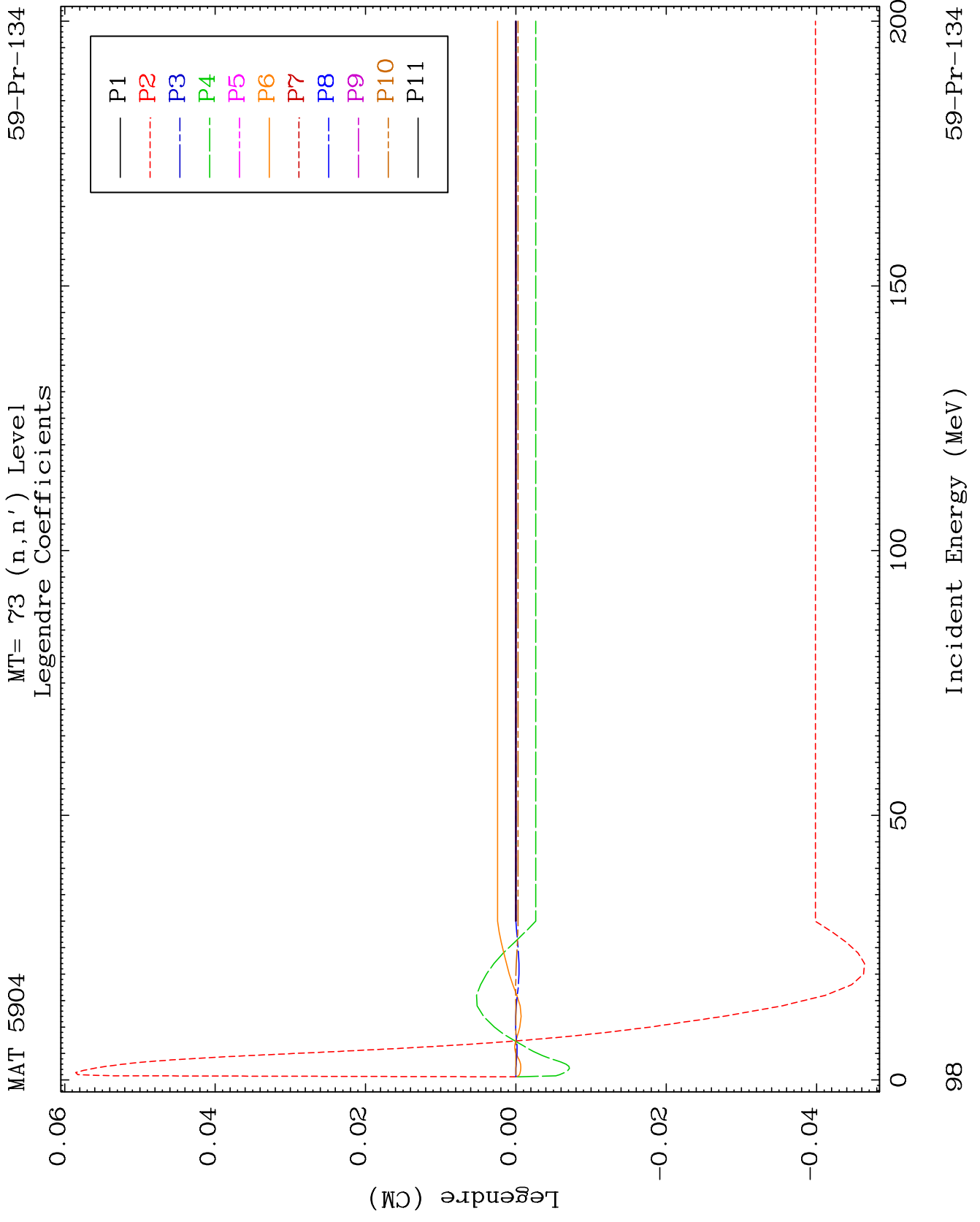
59-Pr-134



97

Incident Energy (MeV)

59-Pr-134



59-Pr-134

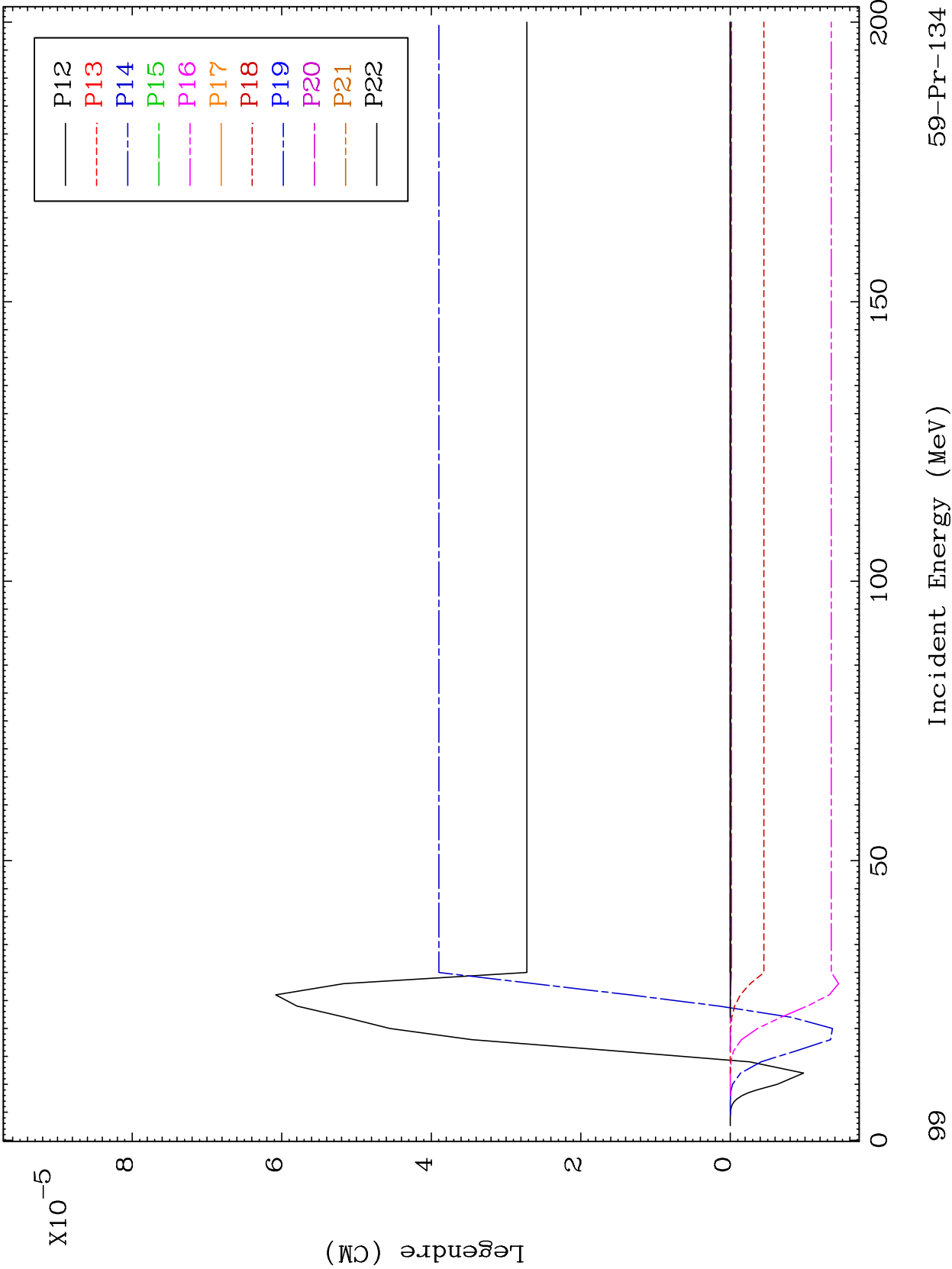
Incident Energy (MeV)

98

MAT 5904

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

59-Pr-134



99

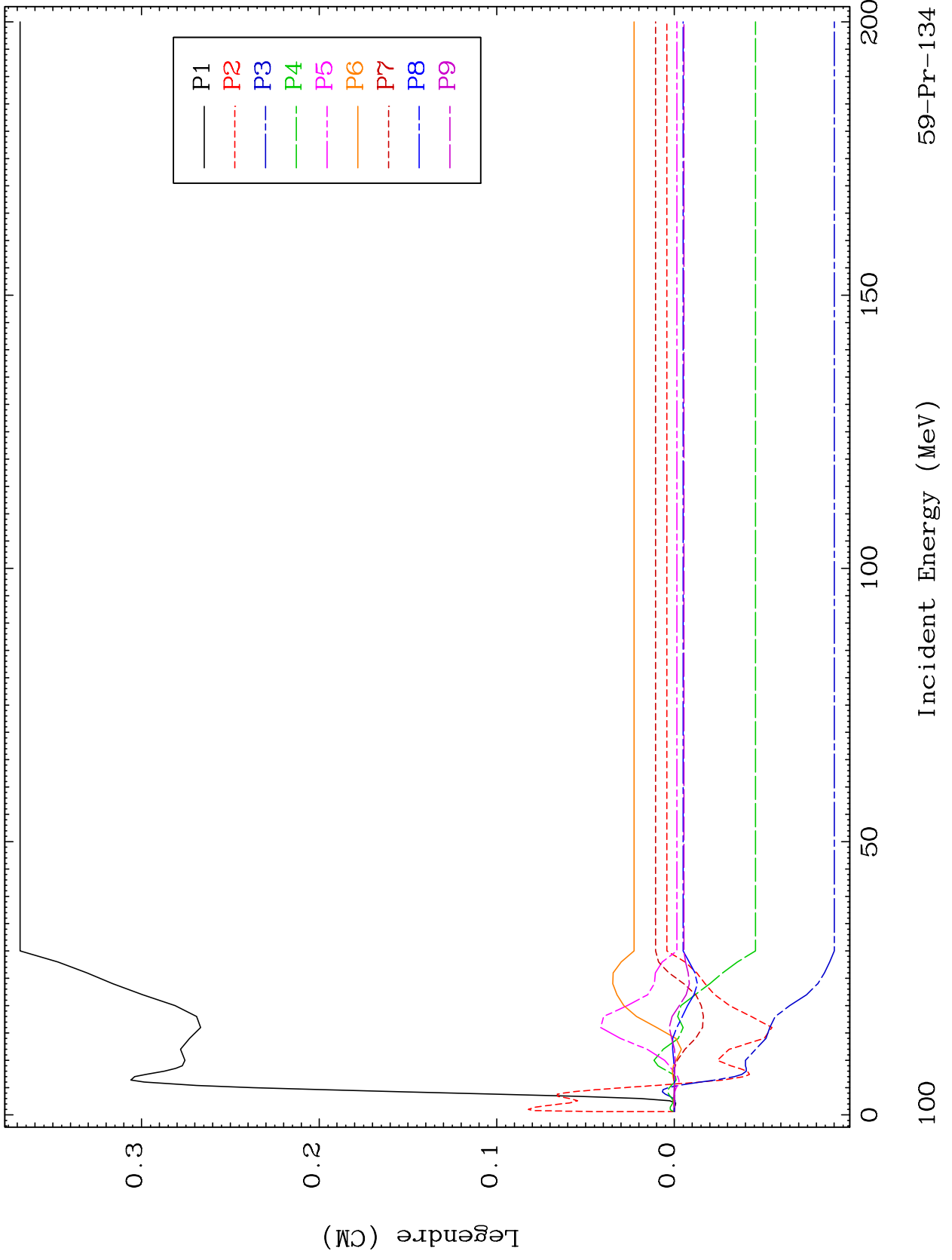
Incident Energy (MeV)

59-Pr-134

MAT 5904

MT= 74 (n,n') Level
Legendre Coefficients

59-Pr-134



59-Pr-134

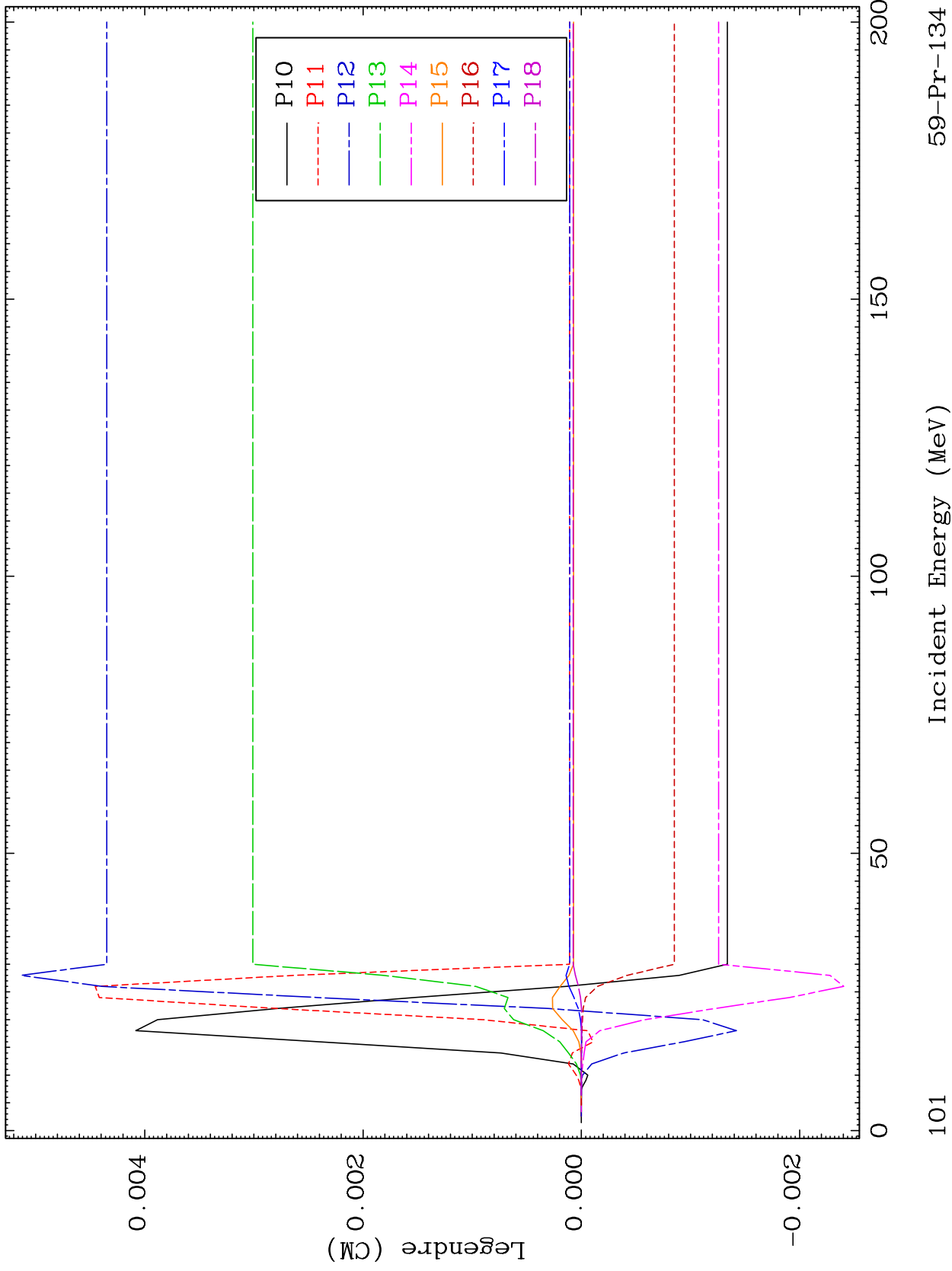
Incident Energy (MeV)

100

MAT 5904

MT= 74 (n,n') Level
Legendre Coefficients

59-Pr-134



101

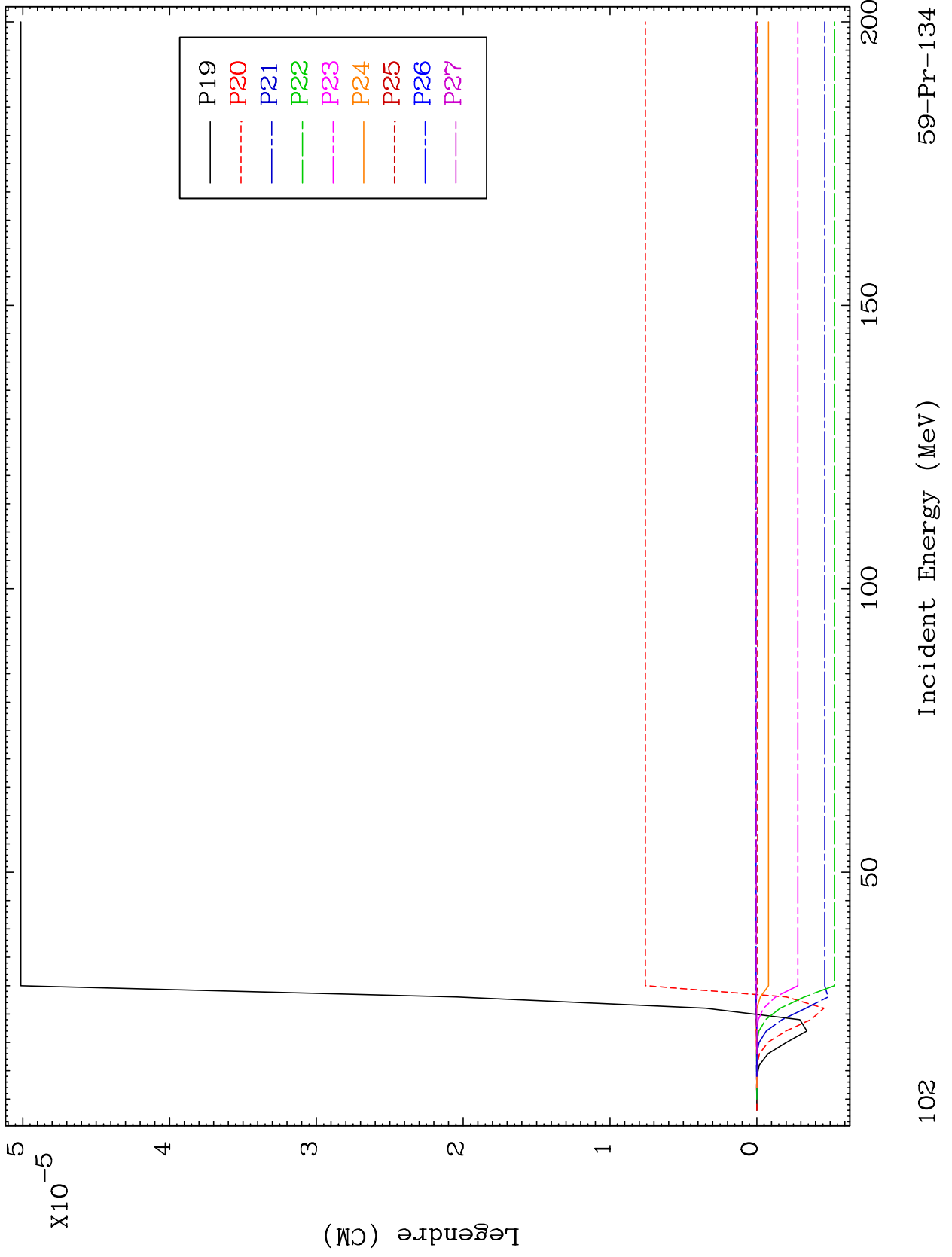
Incident Energy (MeV)

59-Pr-134

MAT 5904

MT= 74 (n,n') Level
Legendre Coefficients

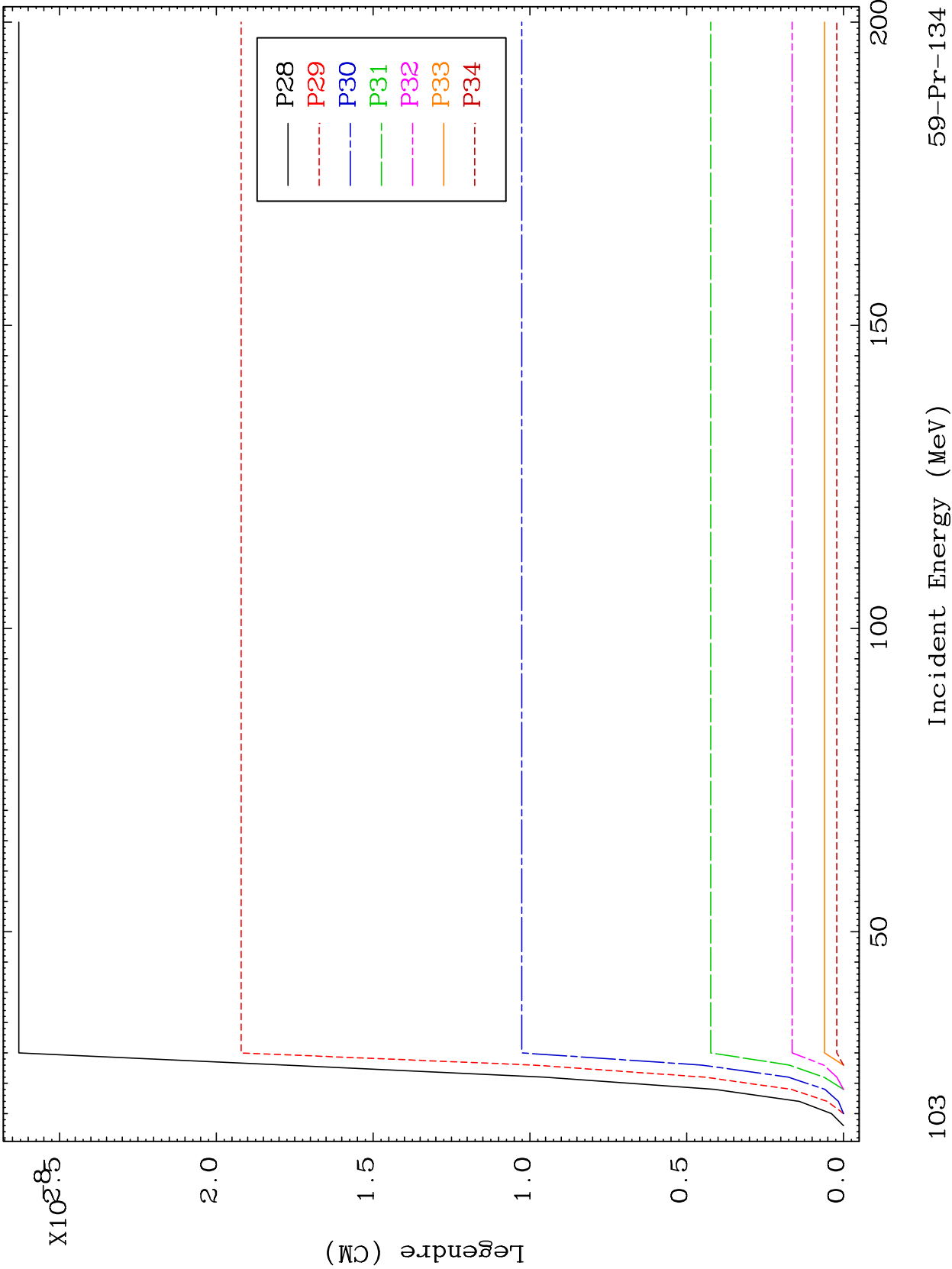
59-Pr-134



MAT 5904

MT= 74 (n,n') Level
Legendre Coefficients

59-Pr-134



103

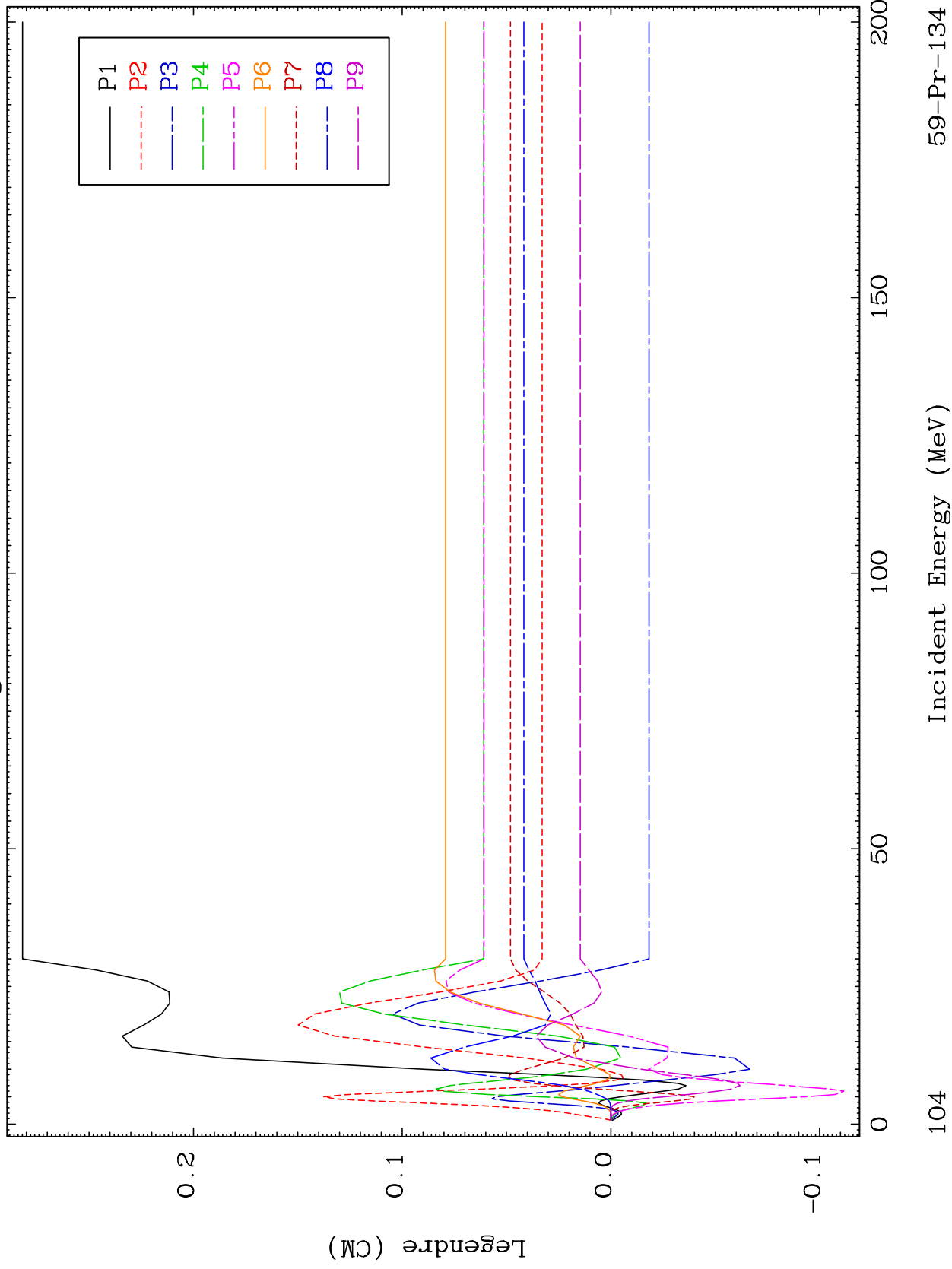
Incident Energy (MeV)

59-Pr-134

MAT 5904

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

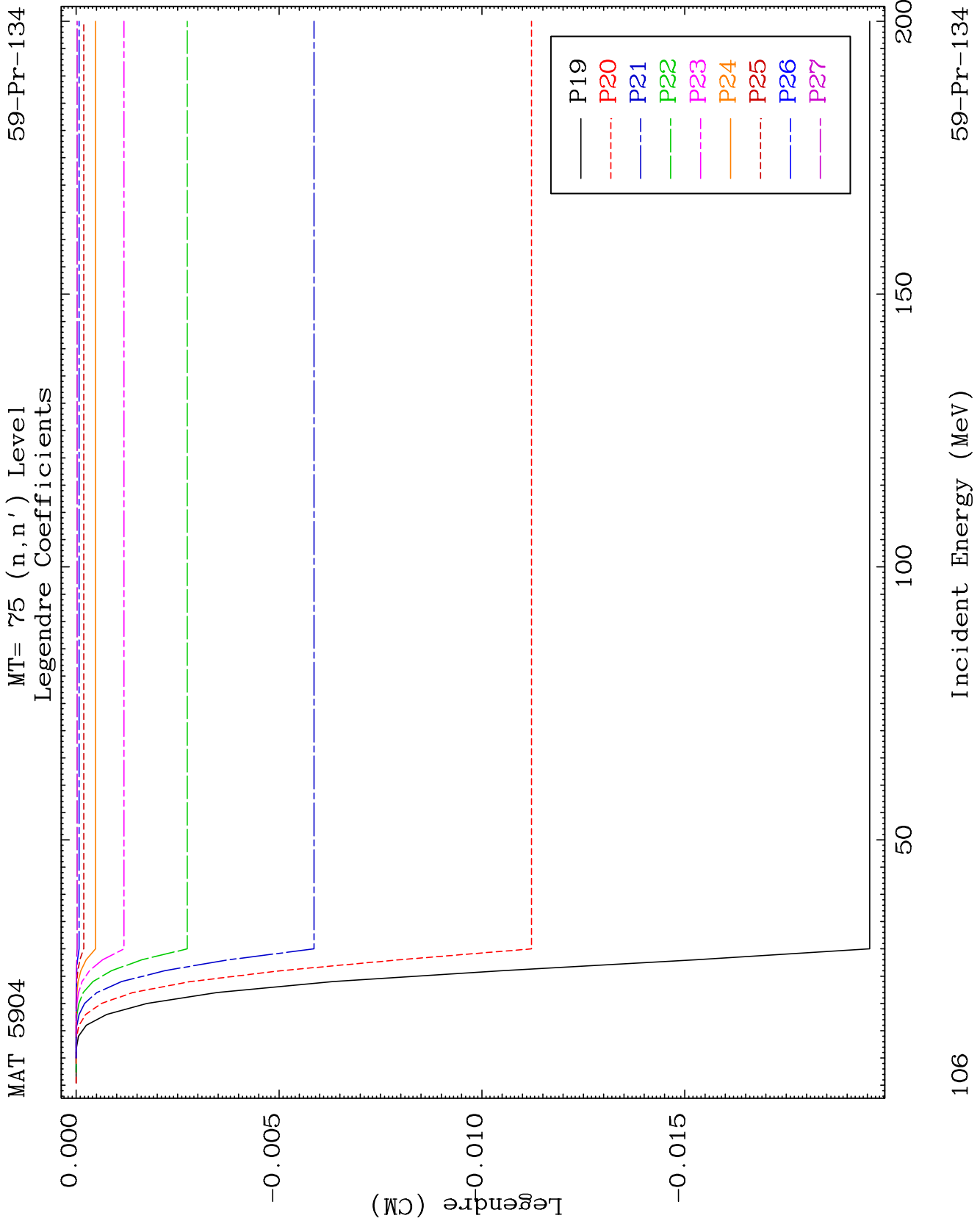
59-Pr-134

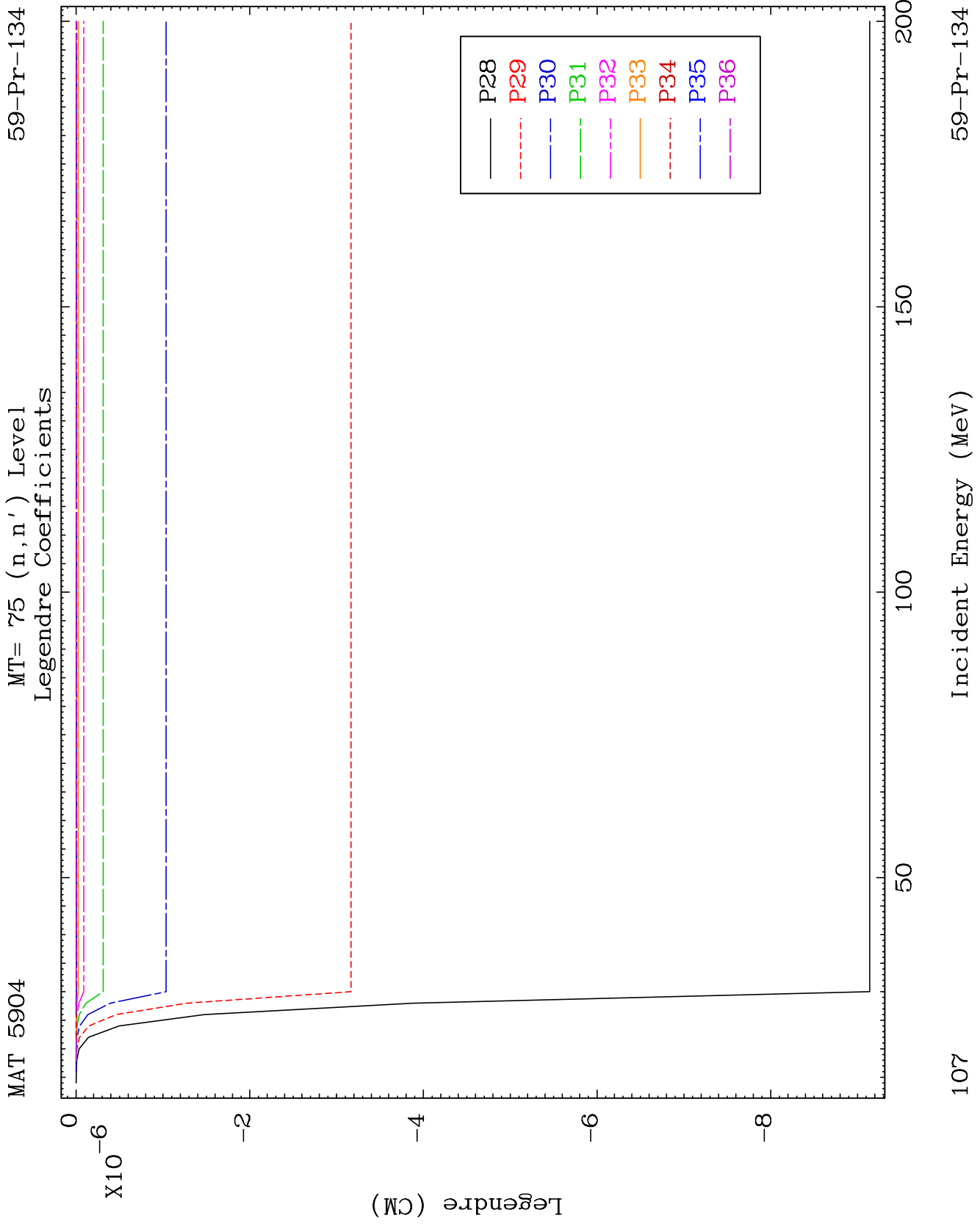


59-Pr-134

Incident Energy (MeV)

104

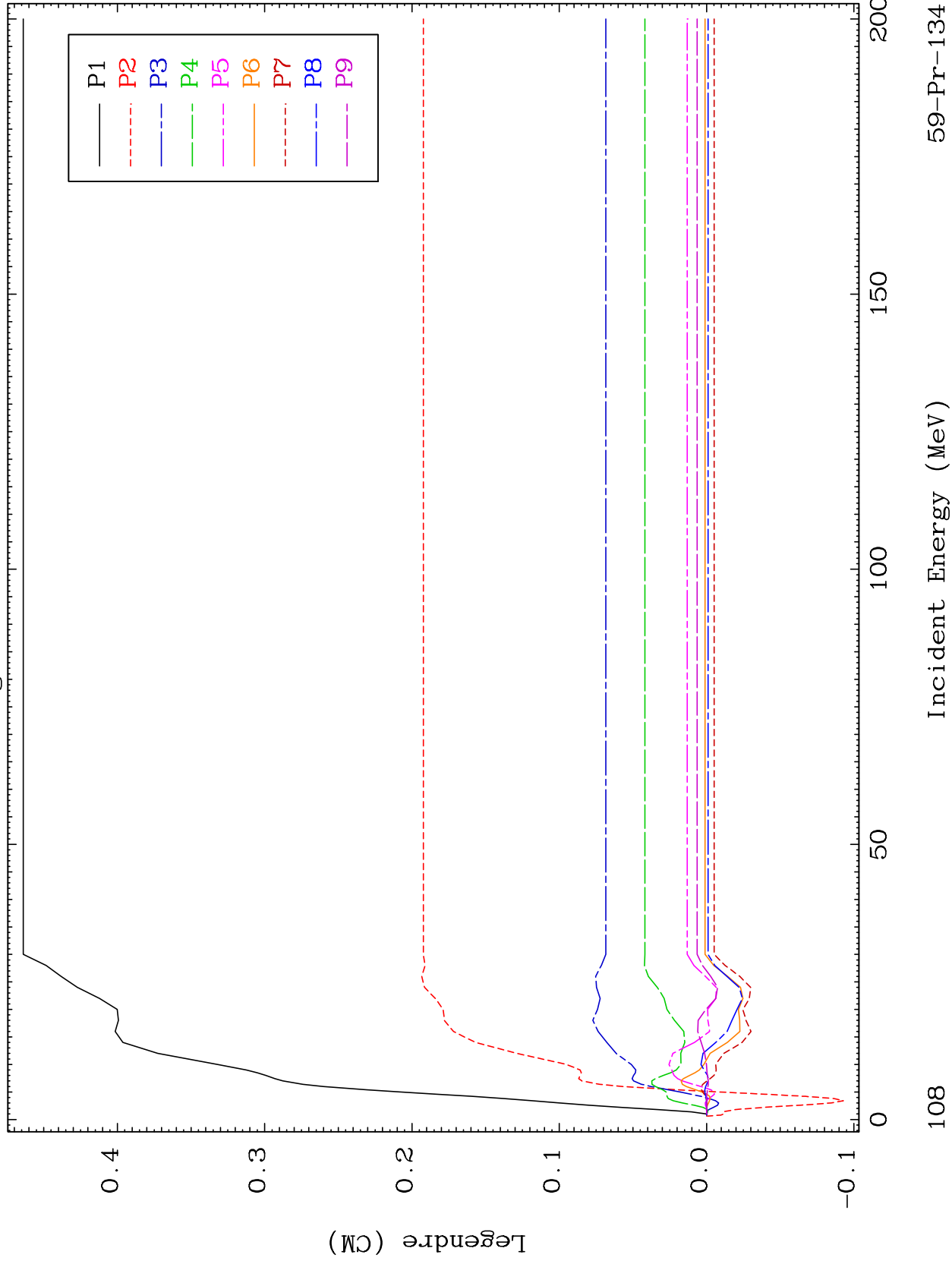




MAT 5904

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

59-Pr-134



59-Pr-134

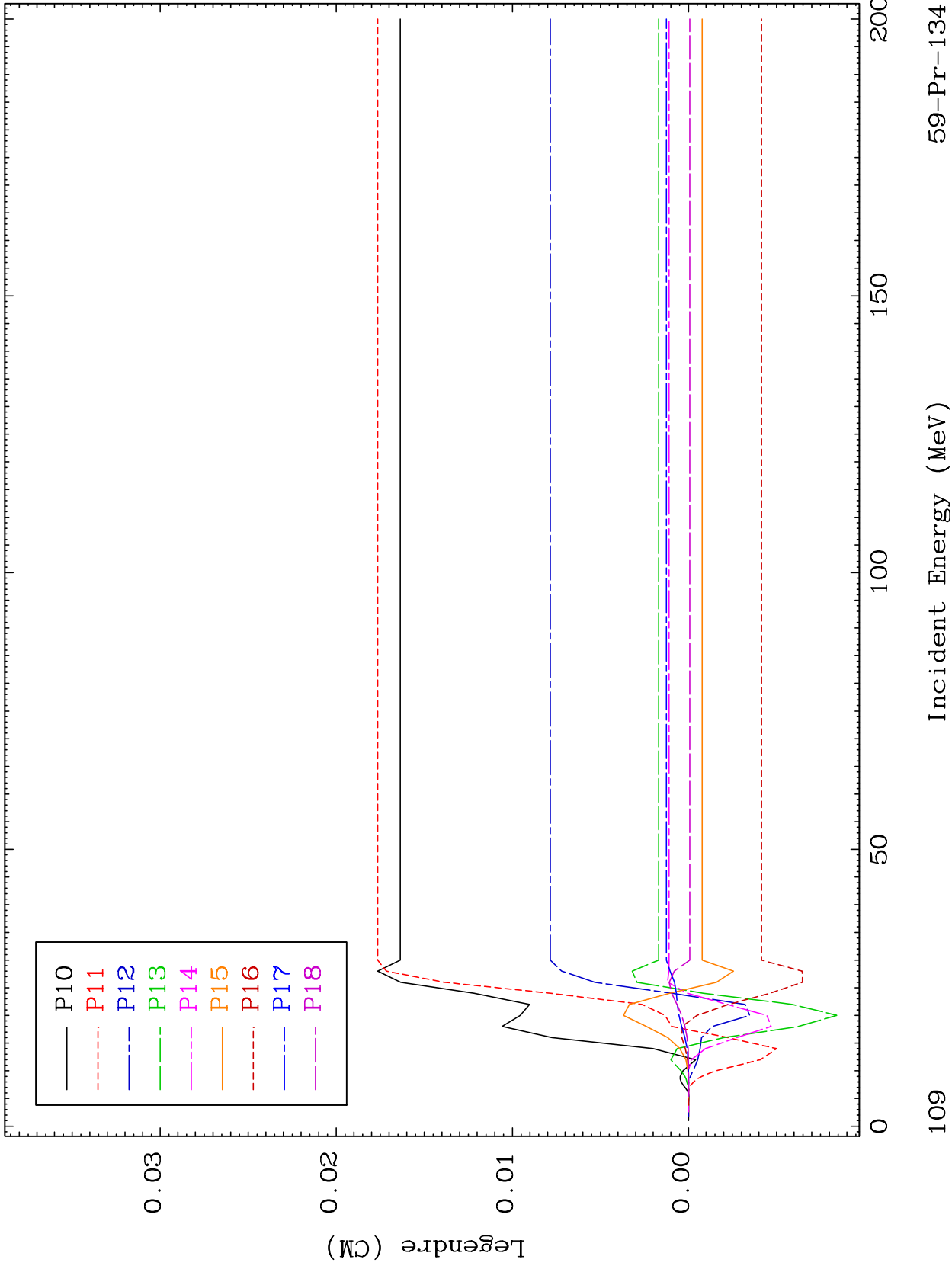
Incident Energy (MeV)

108

MAT 5904

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

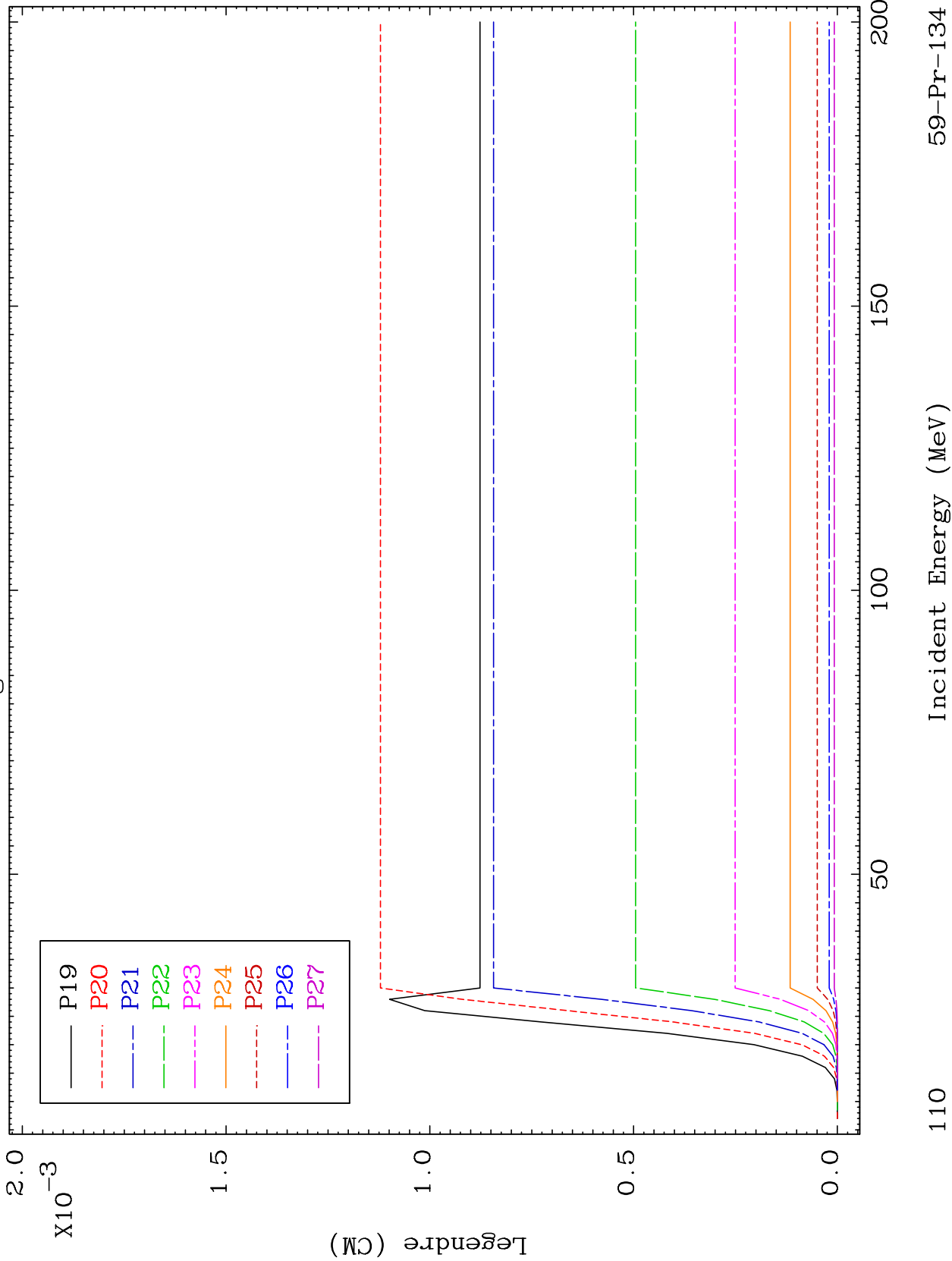
59-Pr-134



MAT 5904

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

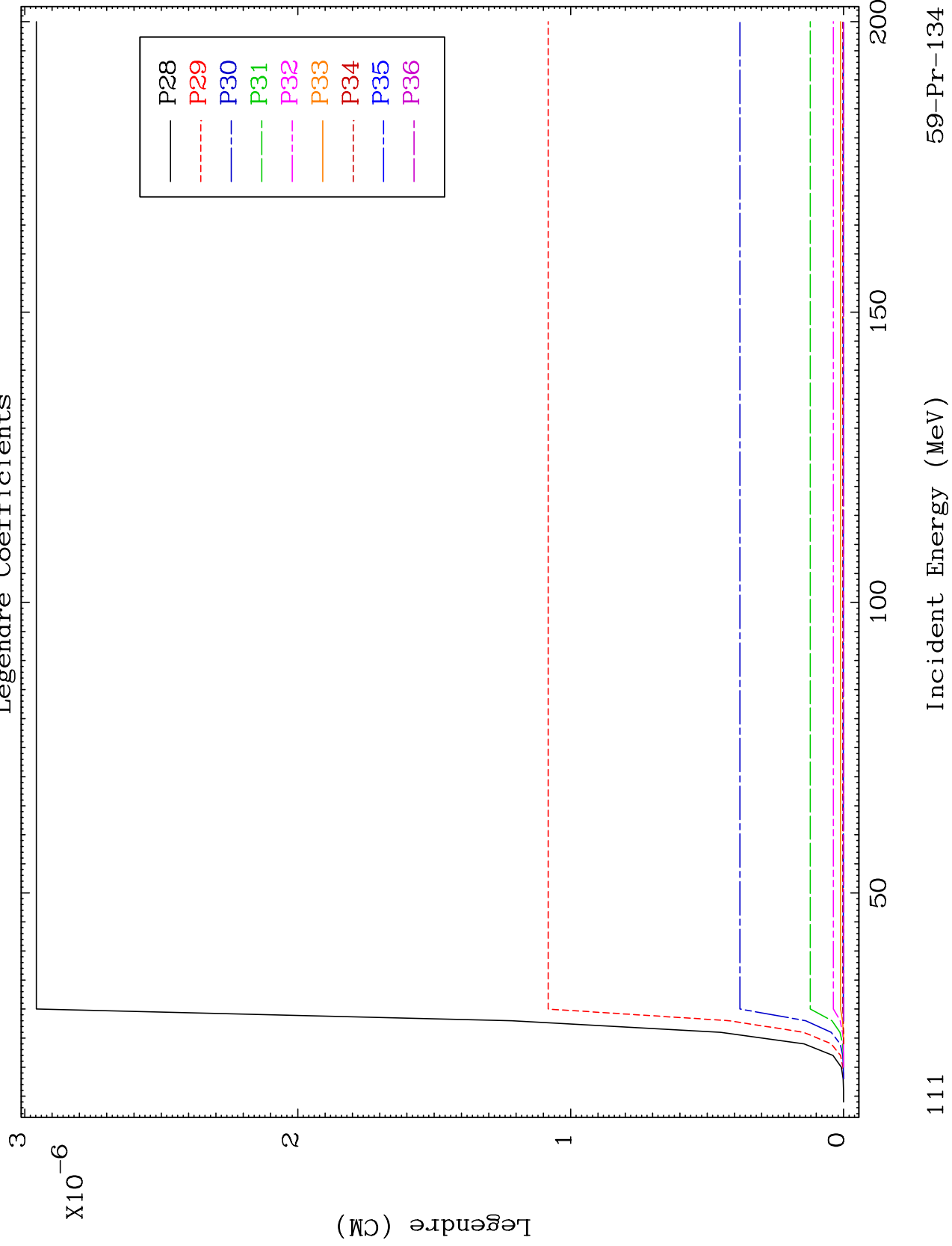
59-Pr-134



MAT 5904

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

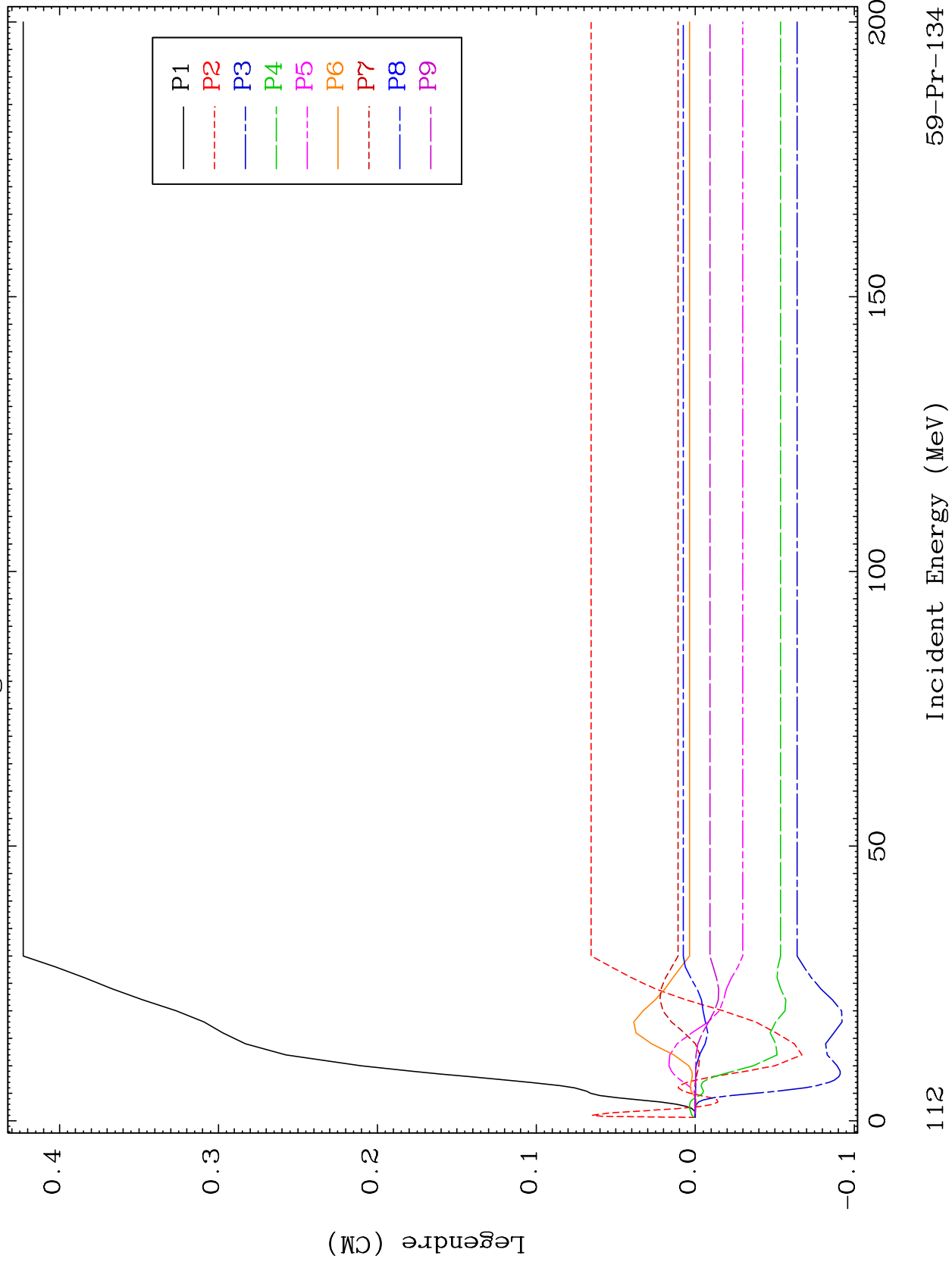
59-Pr-134



MAT 5904

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

59-Pr-134



59-Pr-134

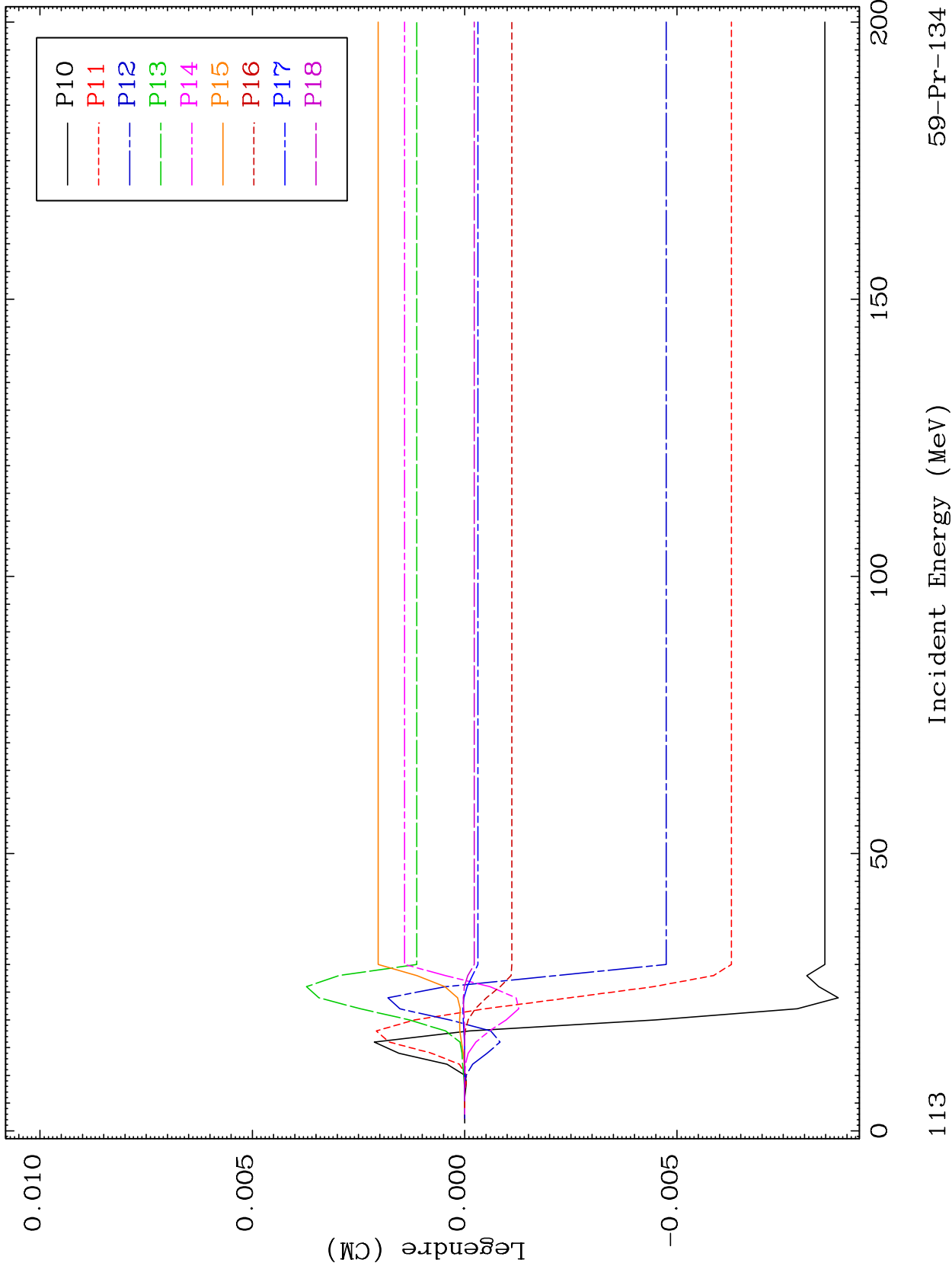
Incident Energy (MeV)

112

MAT 5904

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

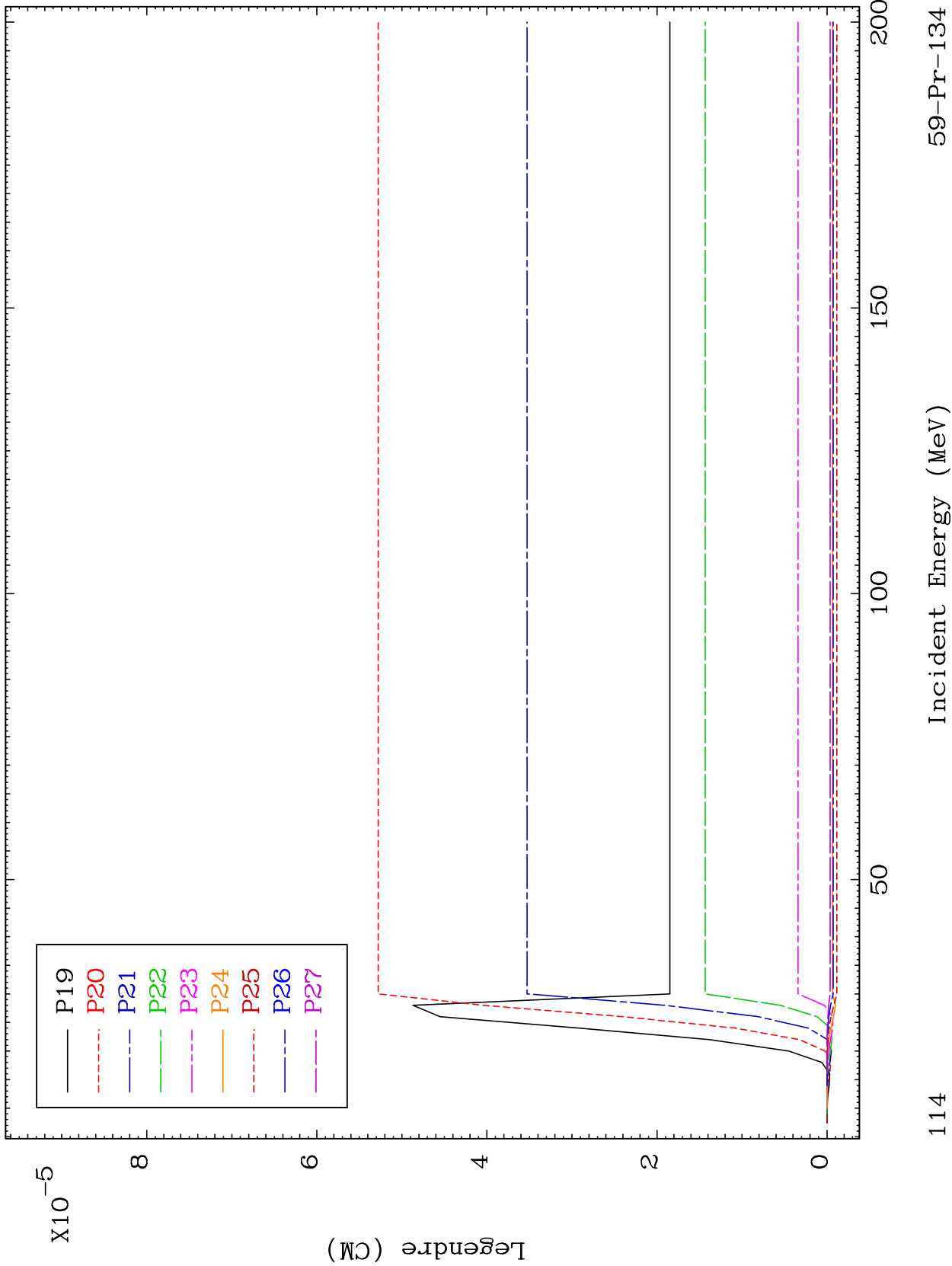
59-Pr-134



113

Incident Energy (MeV)

59-Pr-134

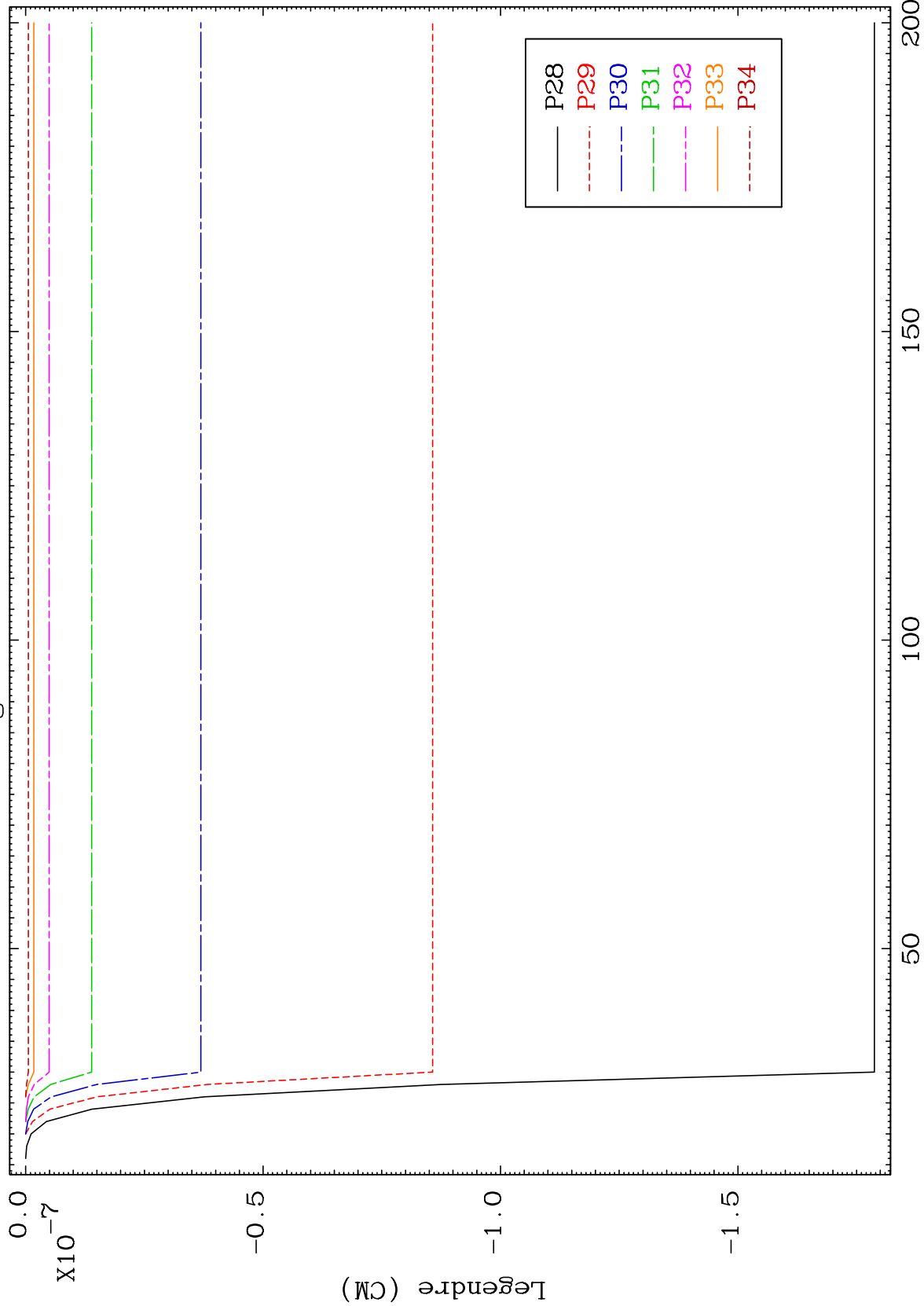


MAT 5904

MT= 77 (n,n') Level

59-Pr-134

Legendre Coefficients



115

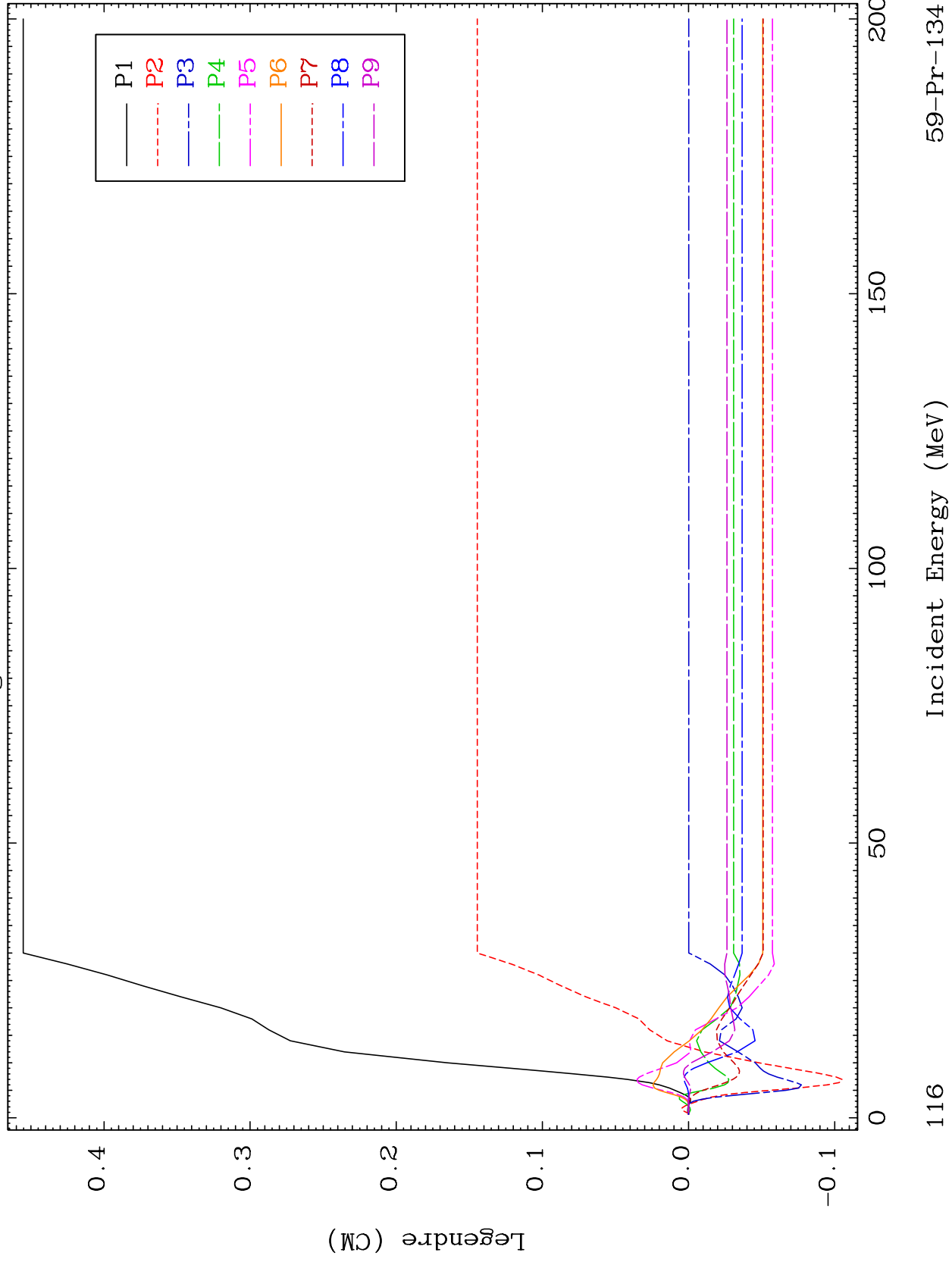
Incident Energy (MeV)

59-Pr-134

MAT 5904

MT= 78 (n,n') Level
Legendre Coefficients

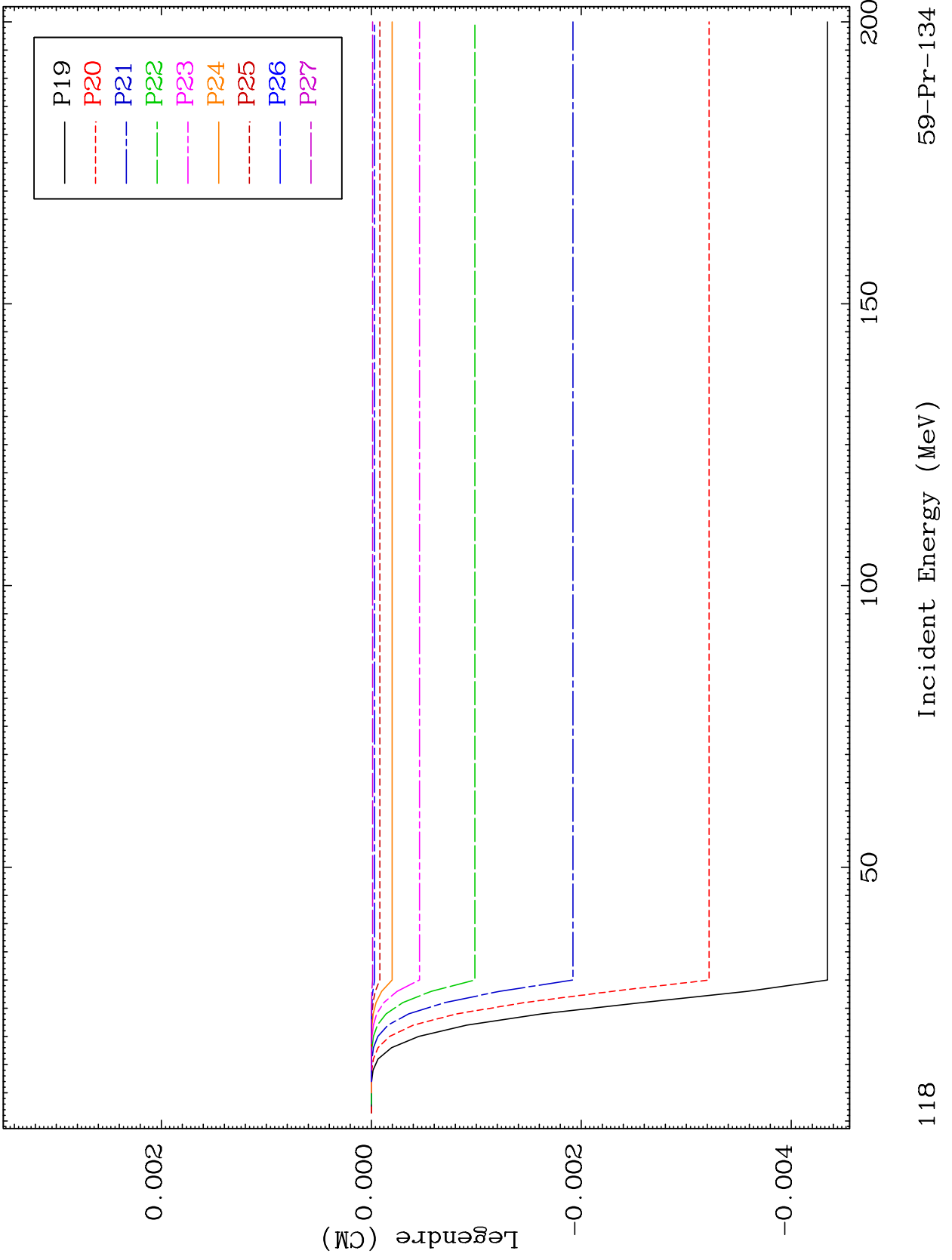
59-Pr-134



MAT 5904

MT= 78 (n,n') Level
Legendre Coefficients

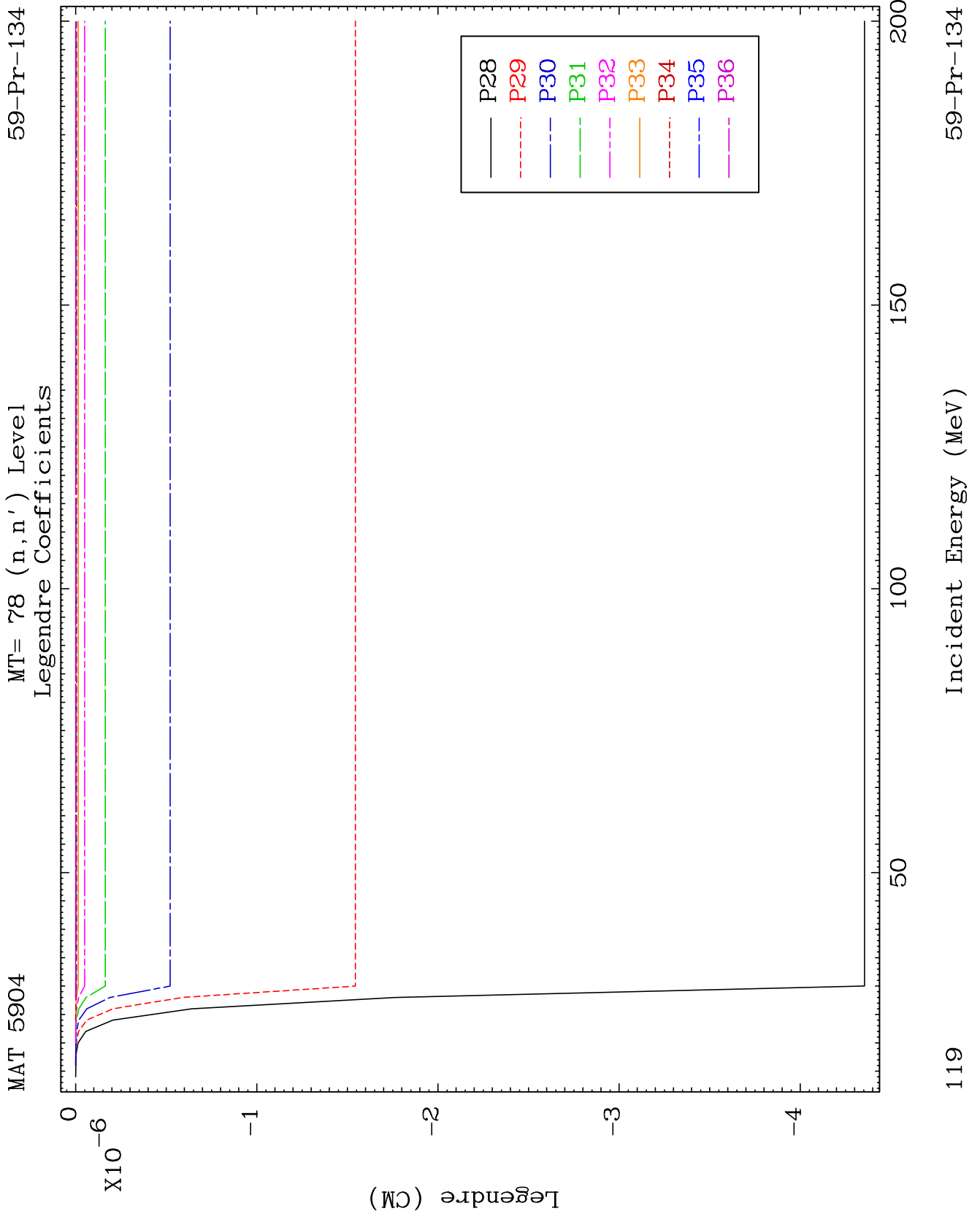
59-Pr-134



118

Incident Energy (MeV)

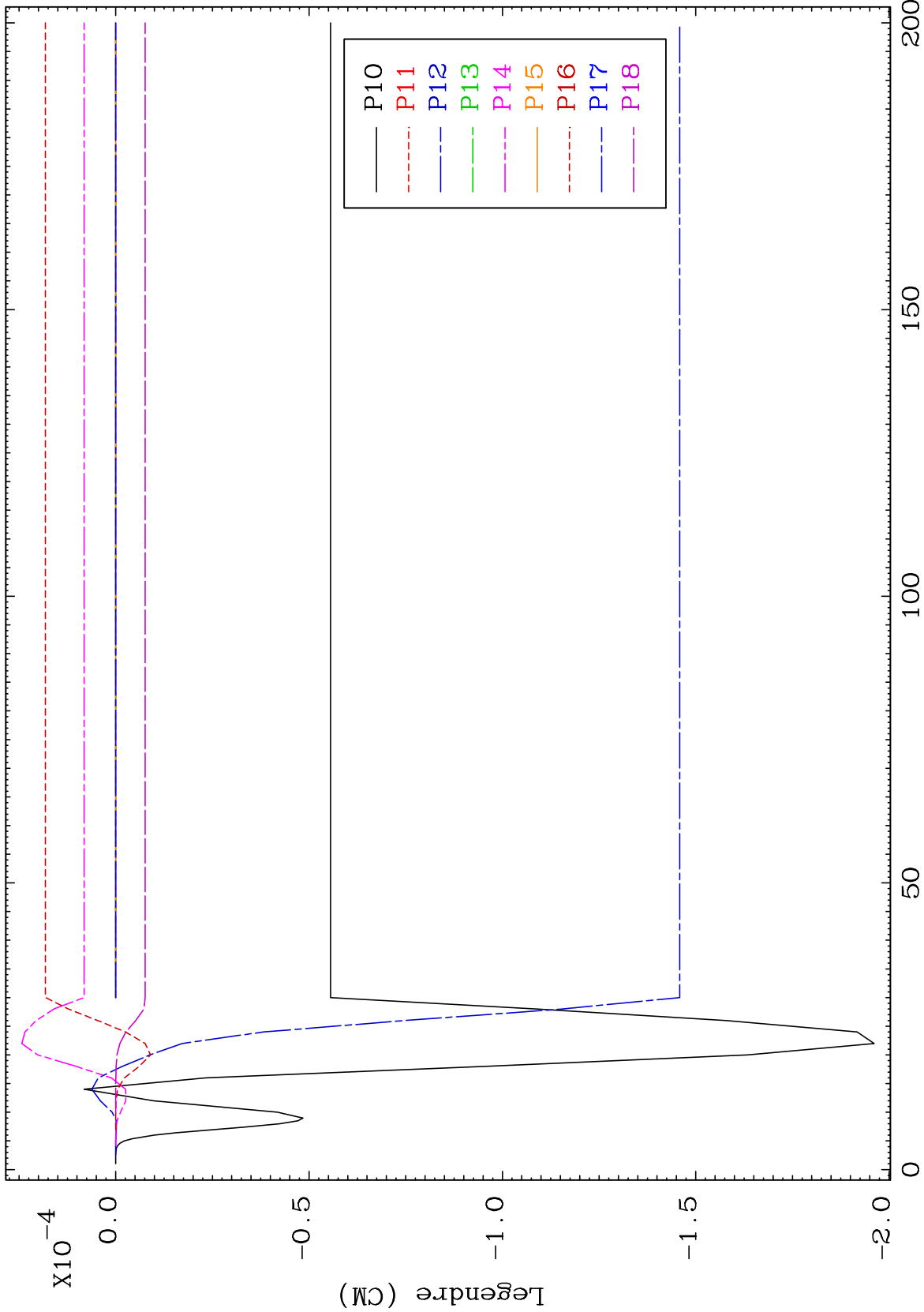
59-Pr-134



MAT 5904

MT= 79 (n,n') Level
Legendre Coefficients

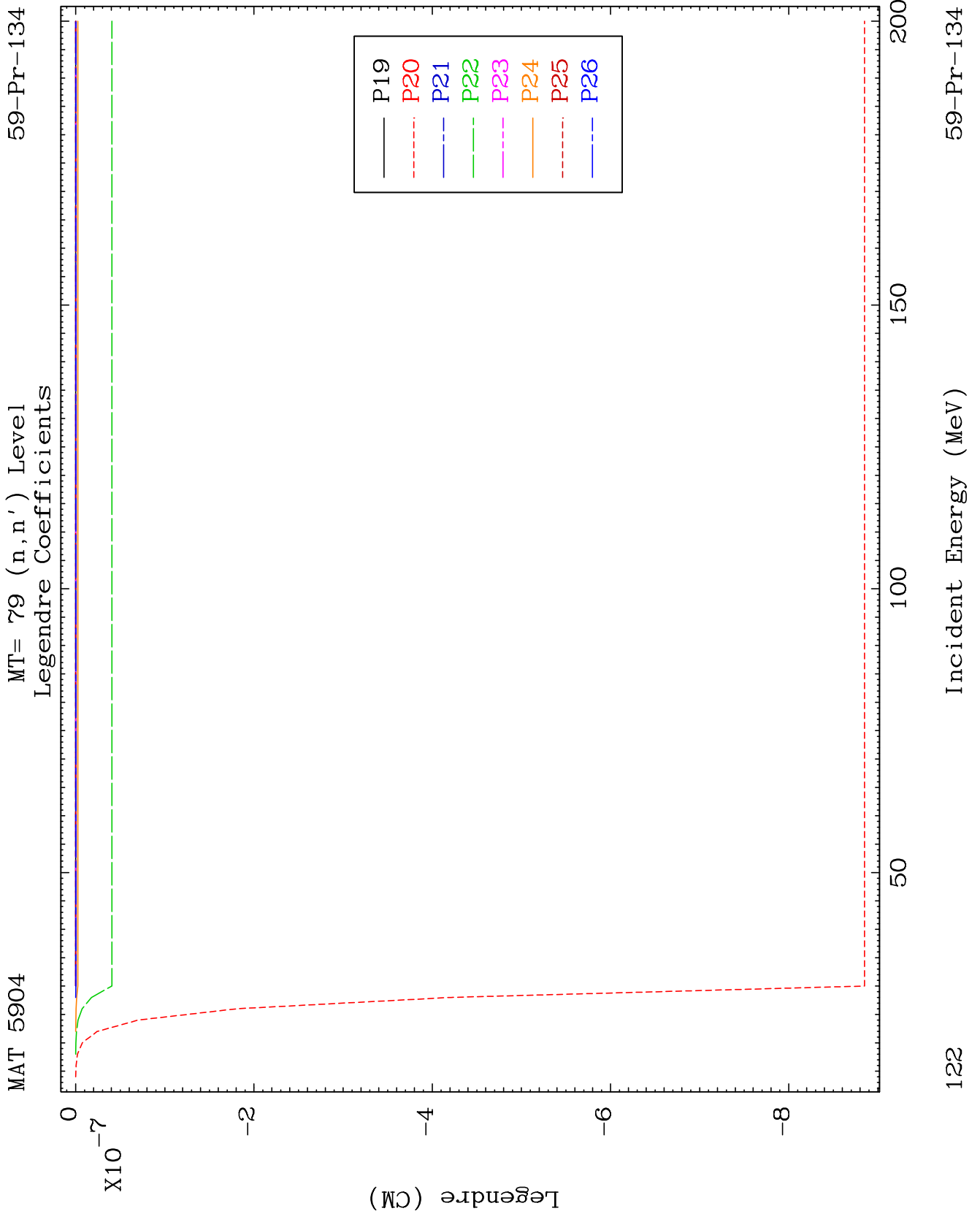
59-Pr-134

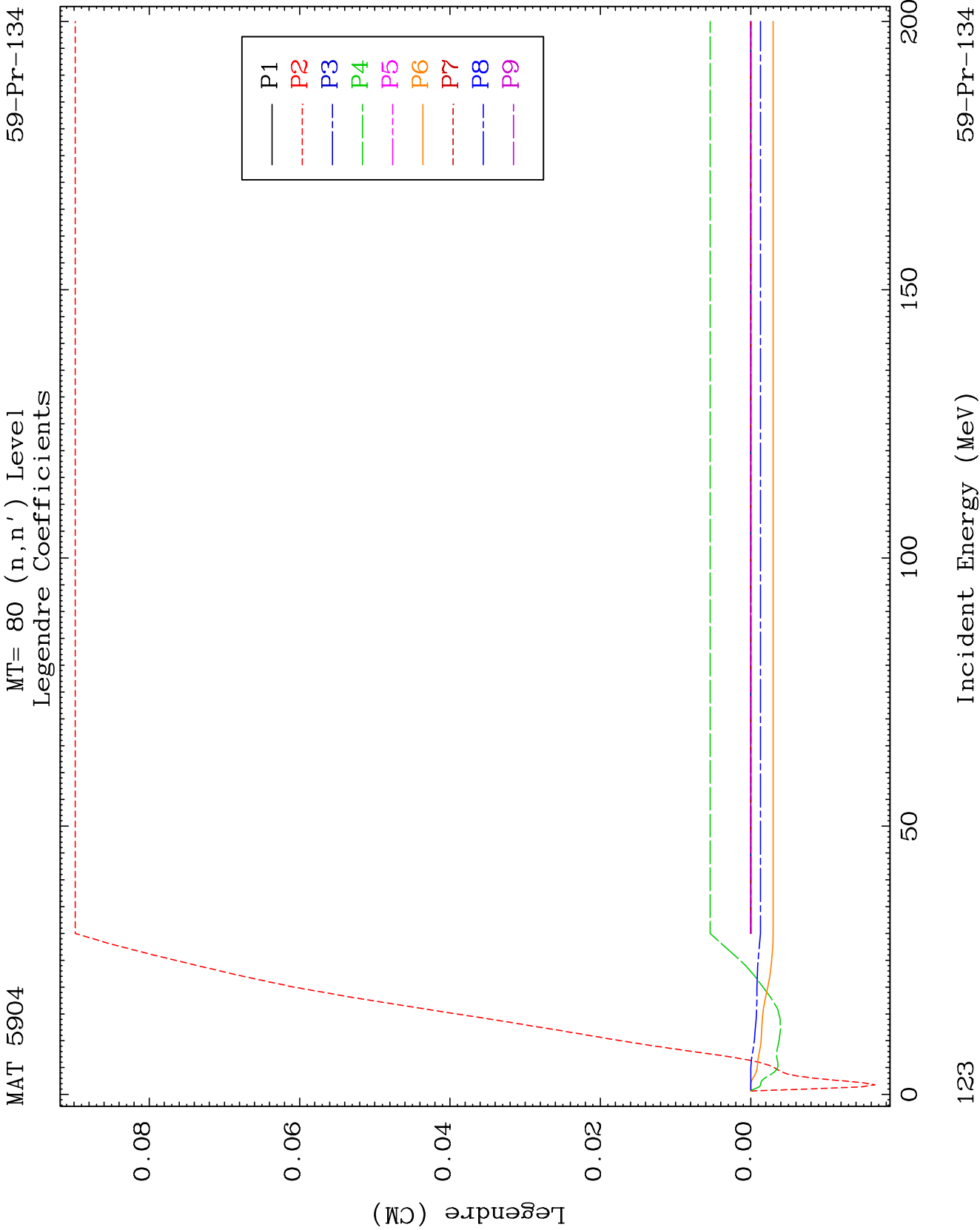


121

Incident Energy (MeV)

59-Pr-134

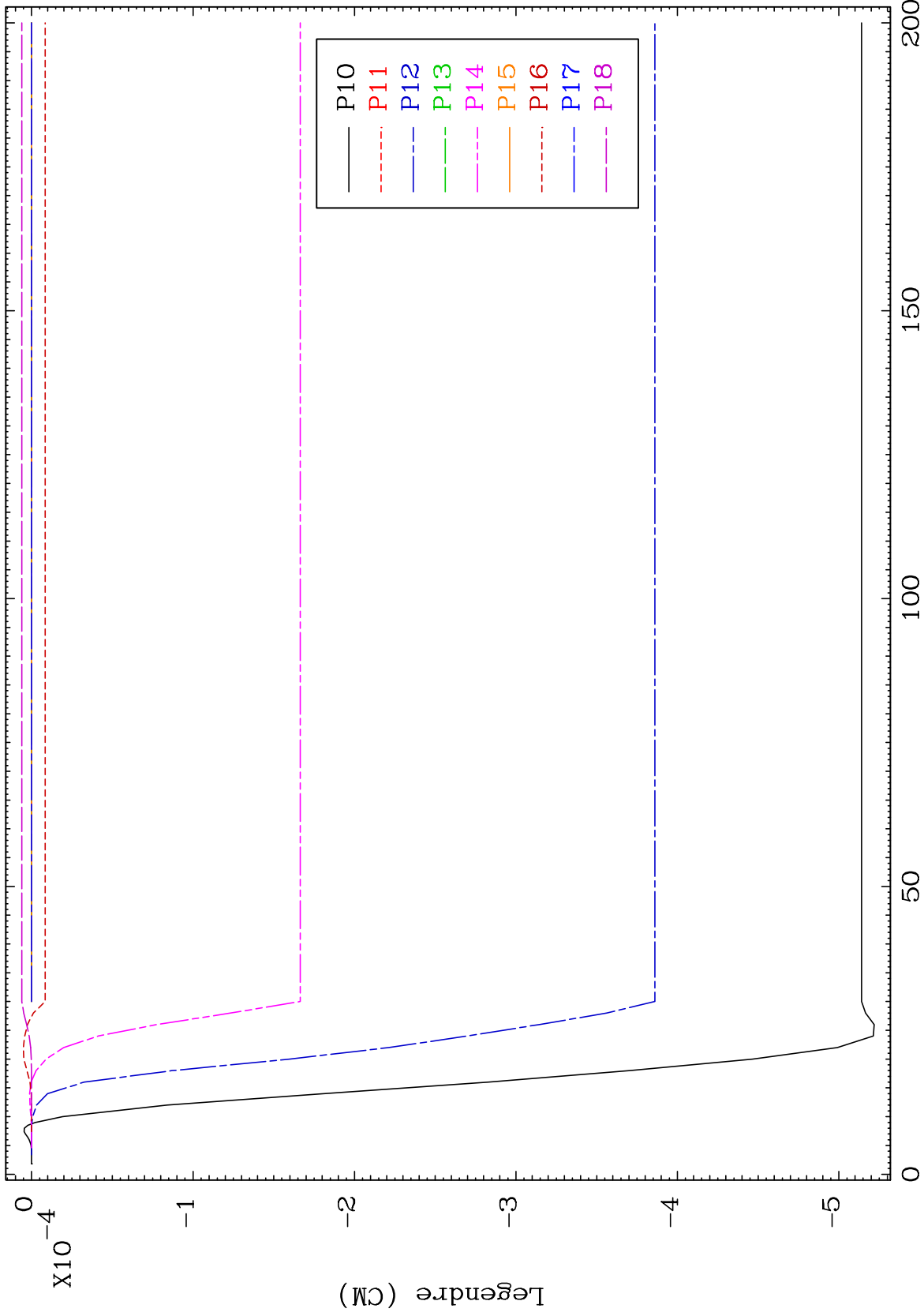




MAT 5904

MT= 80 (n,n') Level
Legendre Coefficients

59-Pr-134



124

Incident Energy (MeV)

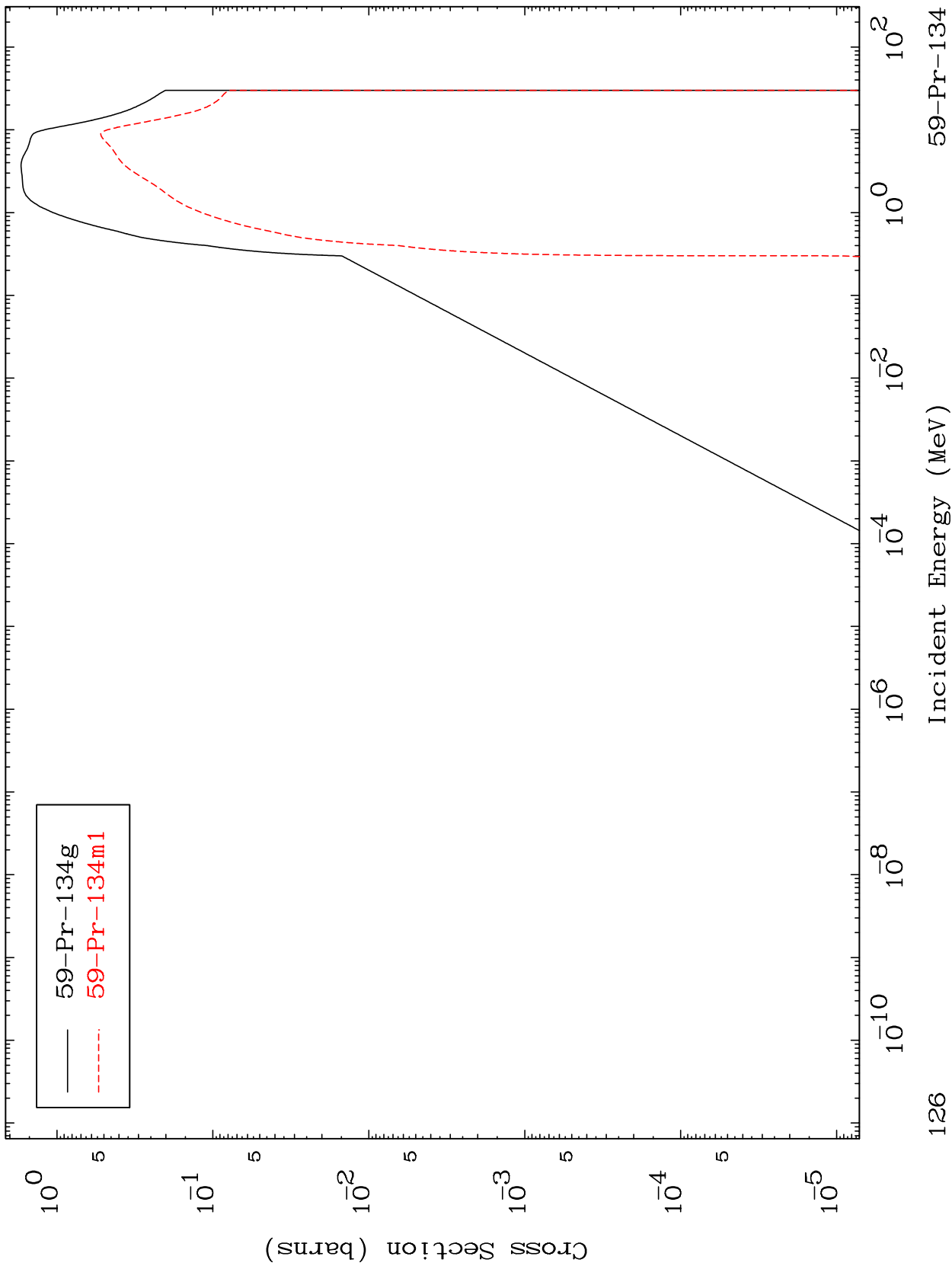
59-Pr-134

MAT 5904

Inelastic

59-Pr-134

Radionuclide Production Cross Section

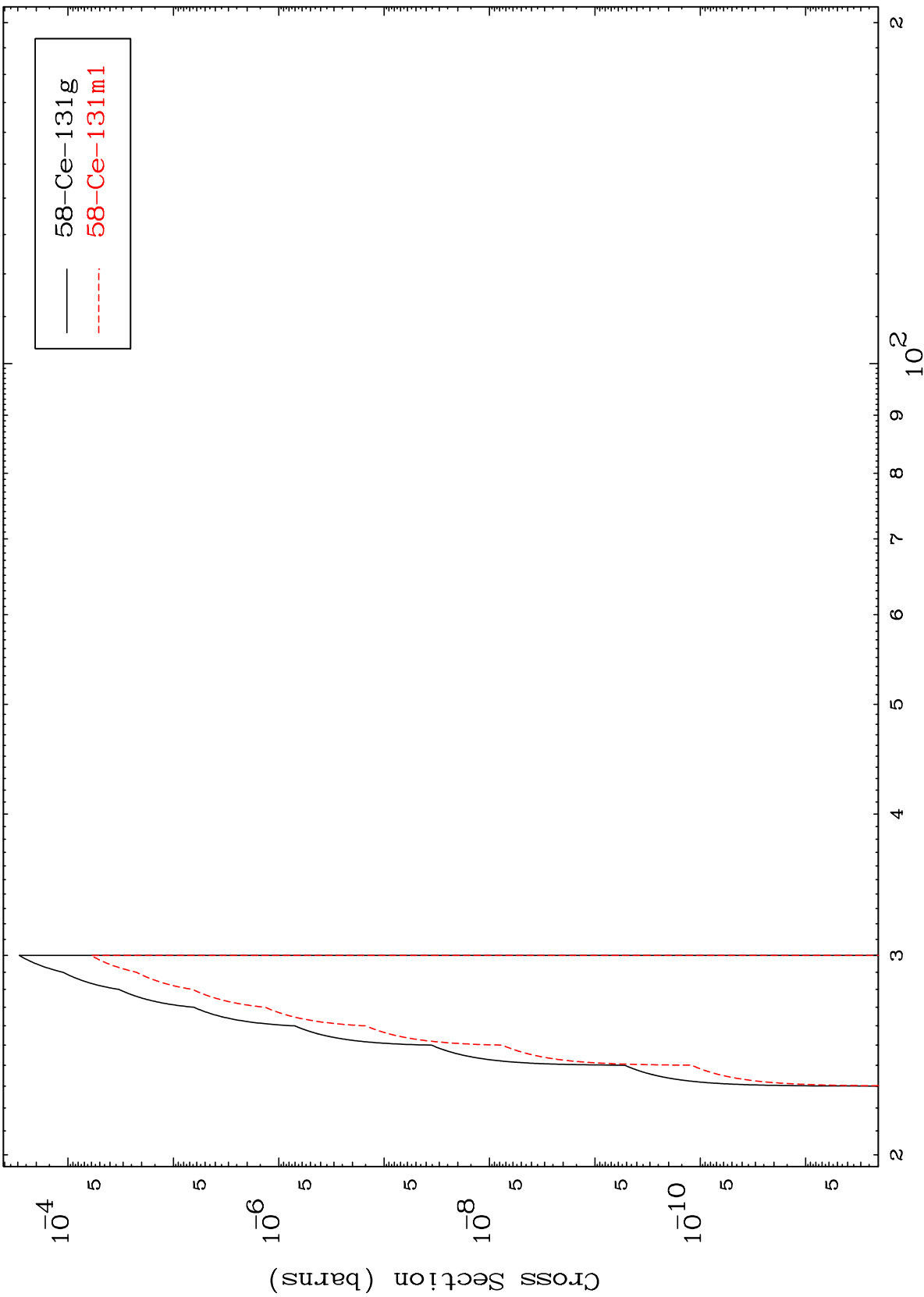


MAT 5904

(n,2n) d

59-Pr-134

Radionuclide Production Cross Section



127

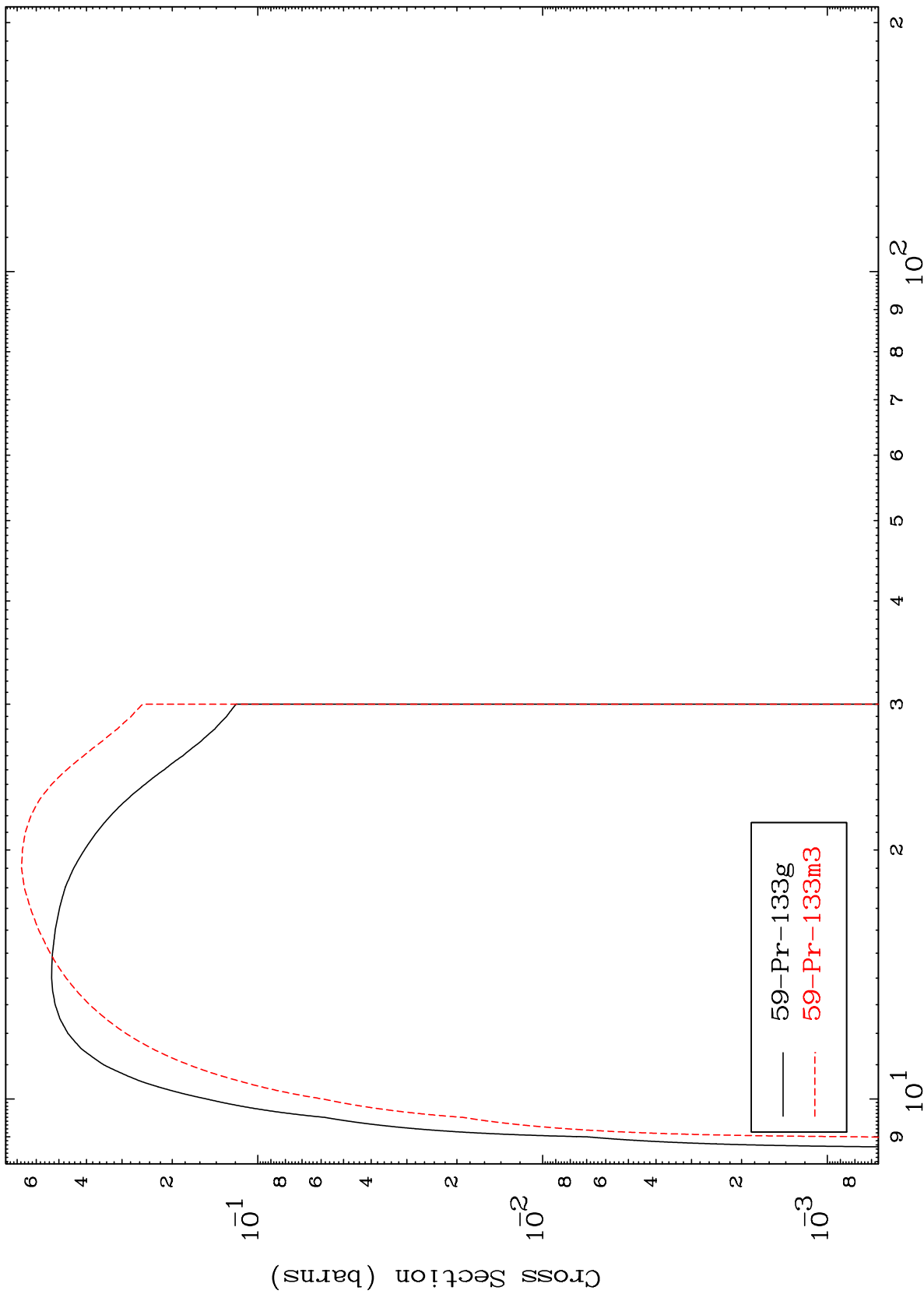
Incident Energy (MeV)

59-Pr-134

MAT 5904

59-Pr-134

(n,2n)
Radionuclide Production Cross Section



59-Pr-134

Incident Energy (MeV)

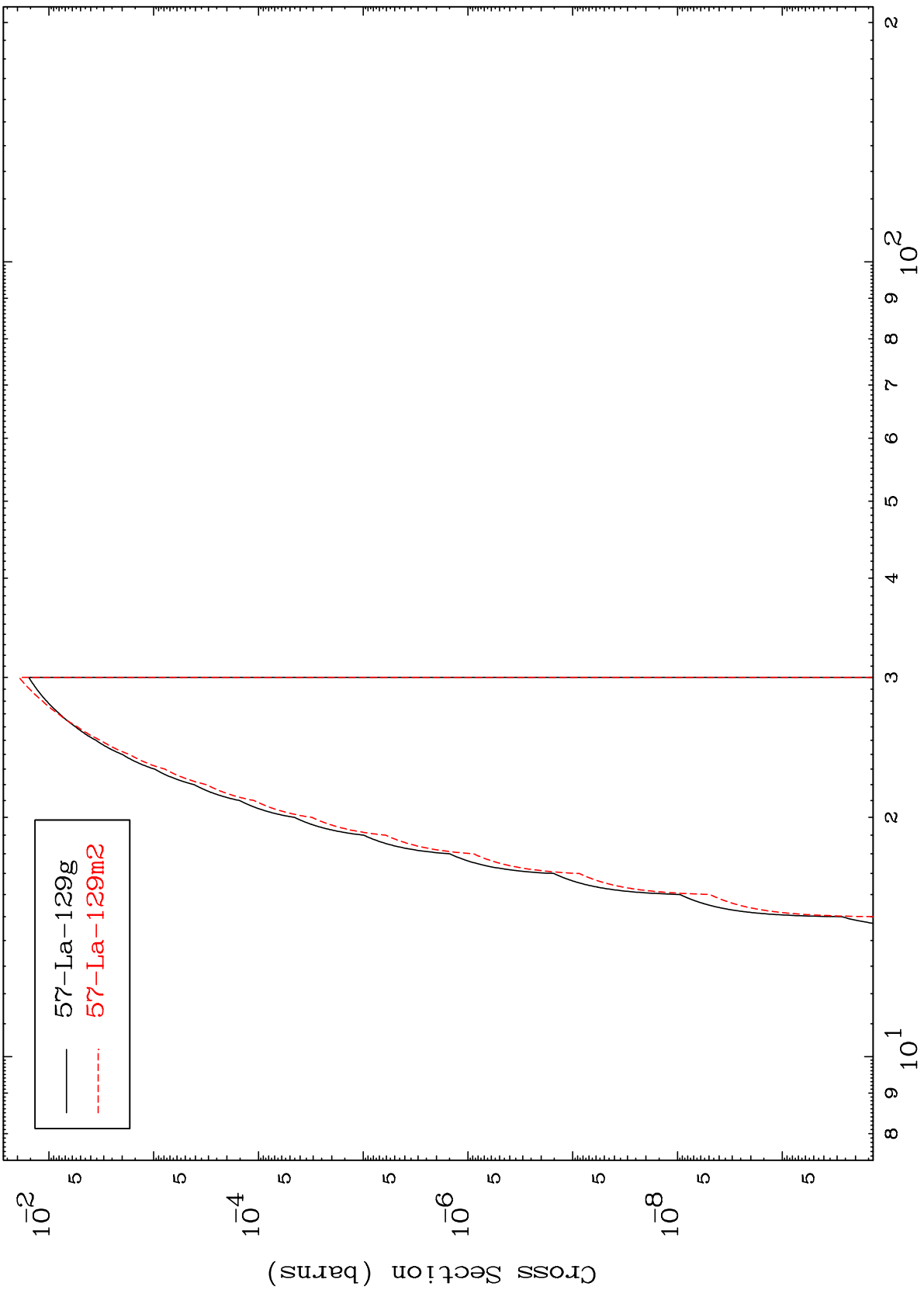
128

MAT 5904

(n,2n) α

59-Pr-134

Radionuclide Production Cross Section



57-La-129g
57-La-129m2

129

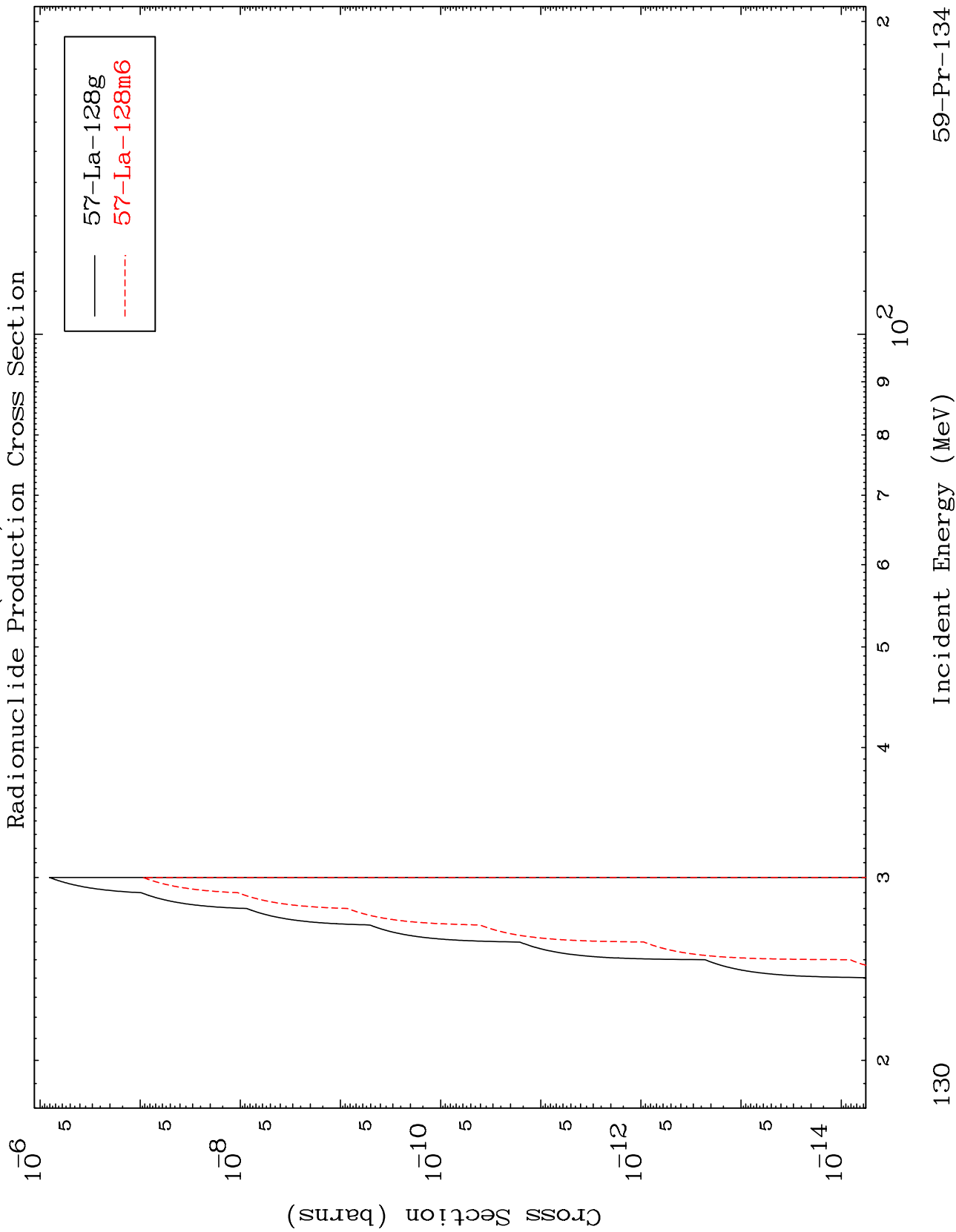
Incident Energy (MeV)

59-Pr-134

MAT 5904

(n,3n) α

59-Pr-134



130

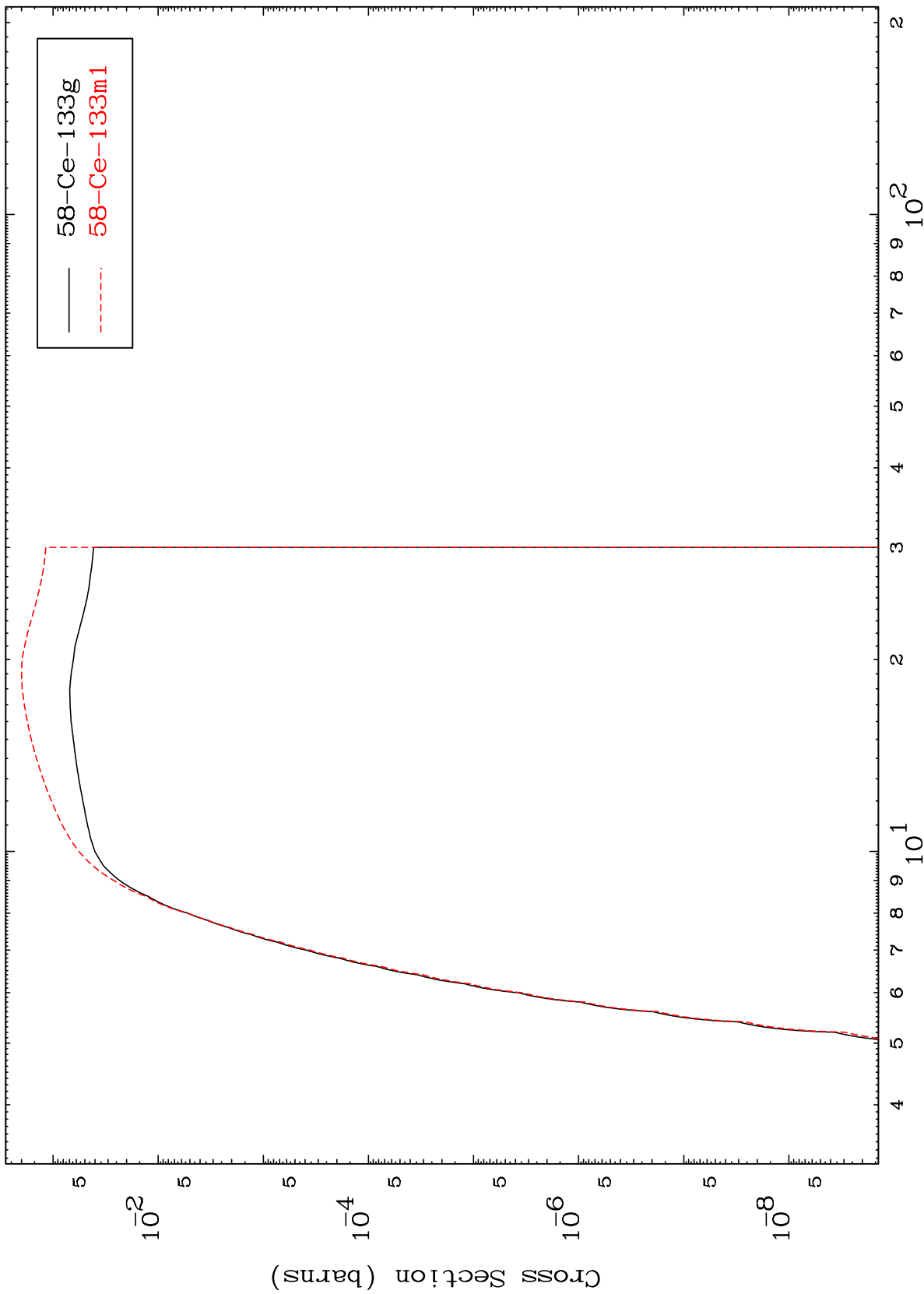
Incident Energy (MeV)

59-Pr-134

MAT 5904

59-Pr-134

(n,n') p
Radionuclide Production Cross Section

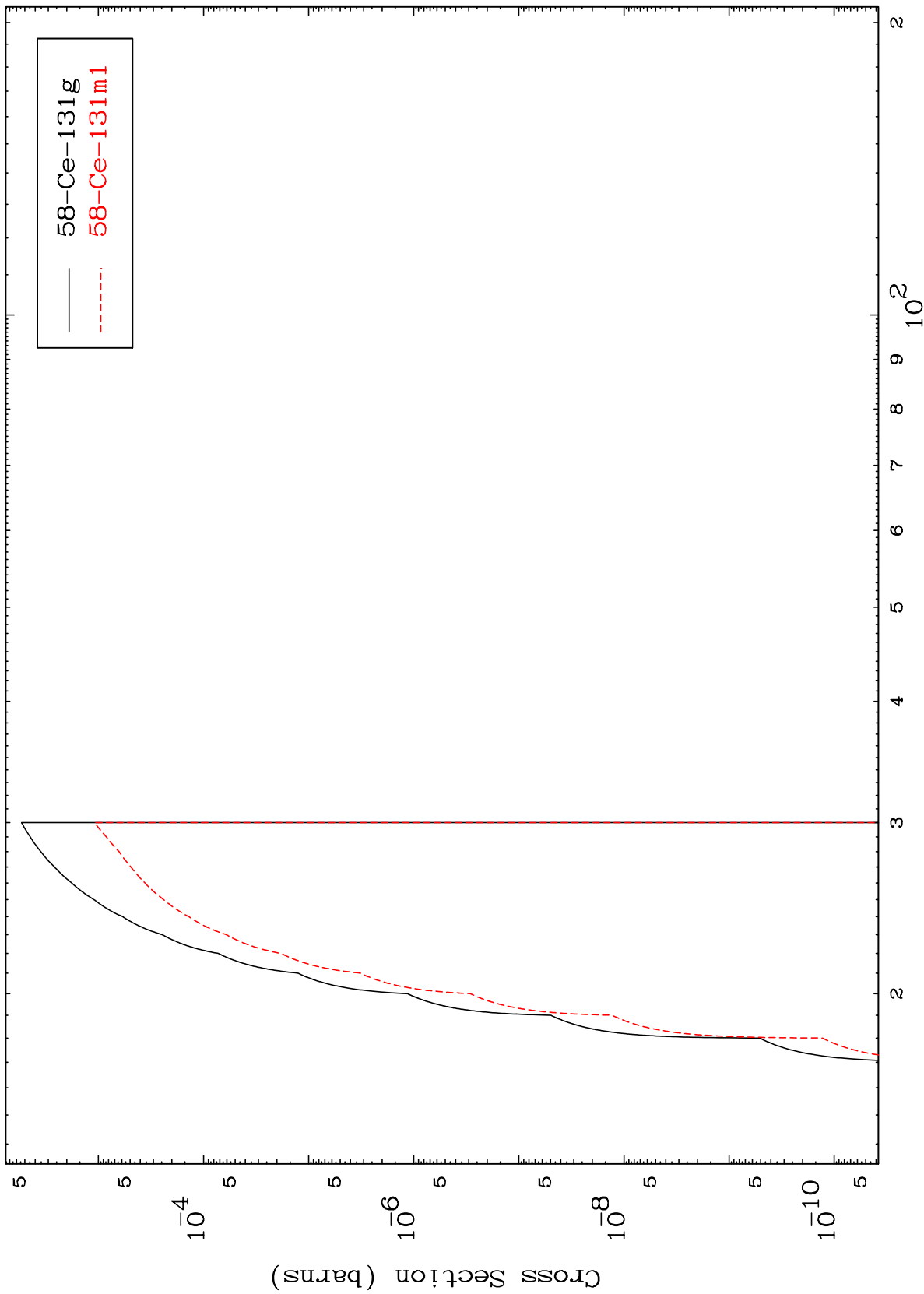


131

Incident Energy (MeV)

59-Pr-134

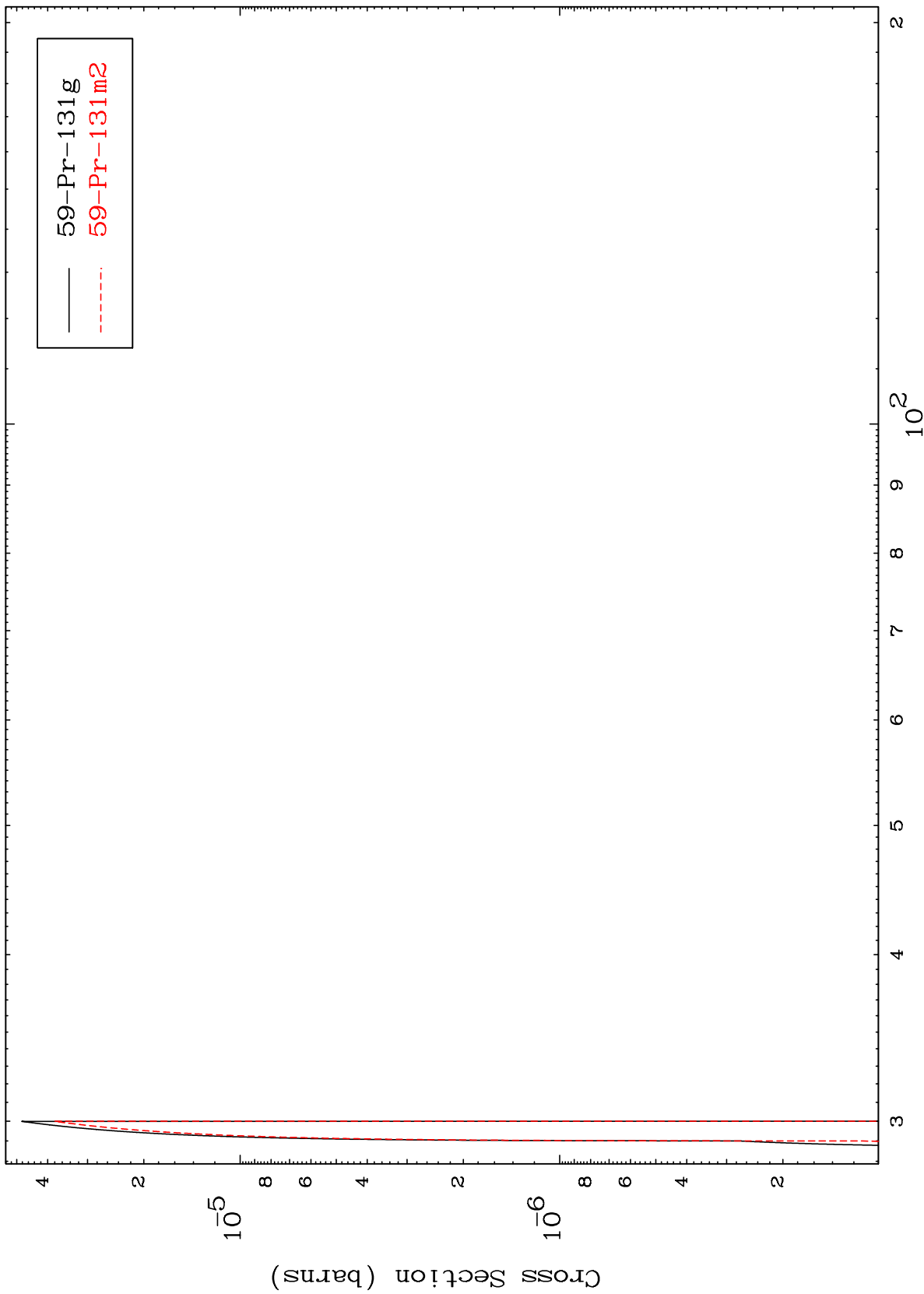
Radionuclide Production Cross Section



MAT 5904

59-Pr-134

(n,4n)
Radionuclide Production Cross Section



133

59-Pr-134

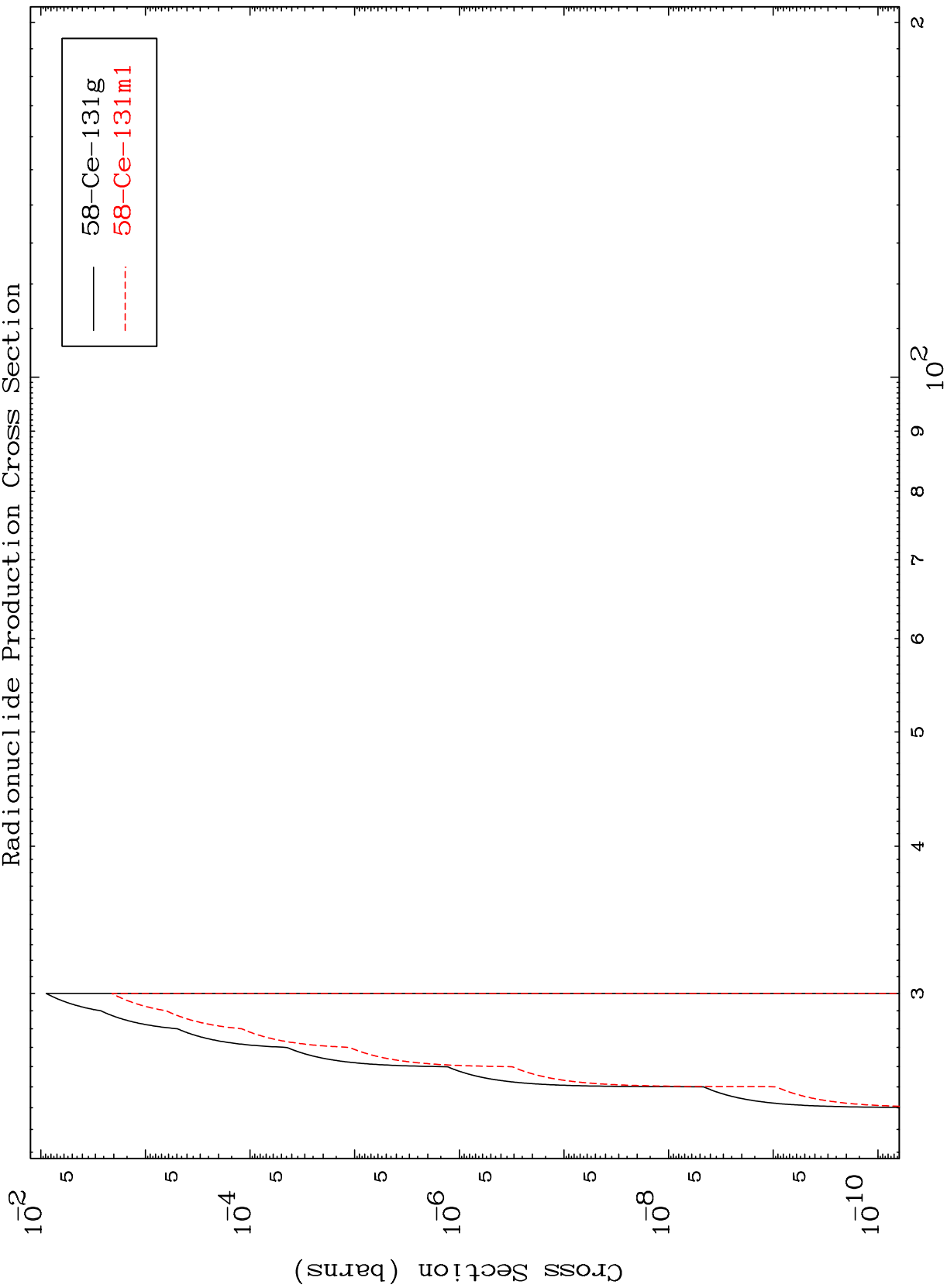
Incident Energy (MeV)

MAT 5904

(n,3n) p

59-Pr-134

Radionuclide Production Cross Section



134

Incident Energy (MeV)

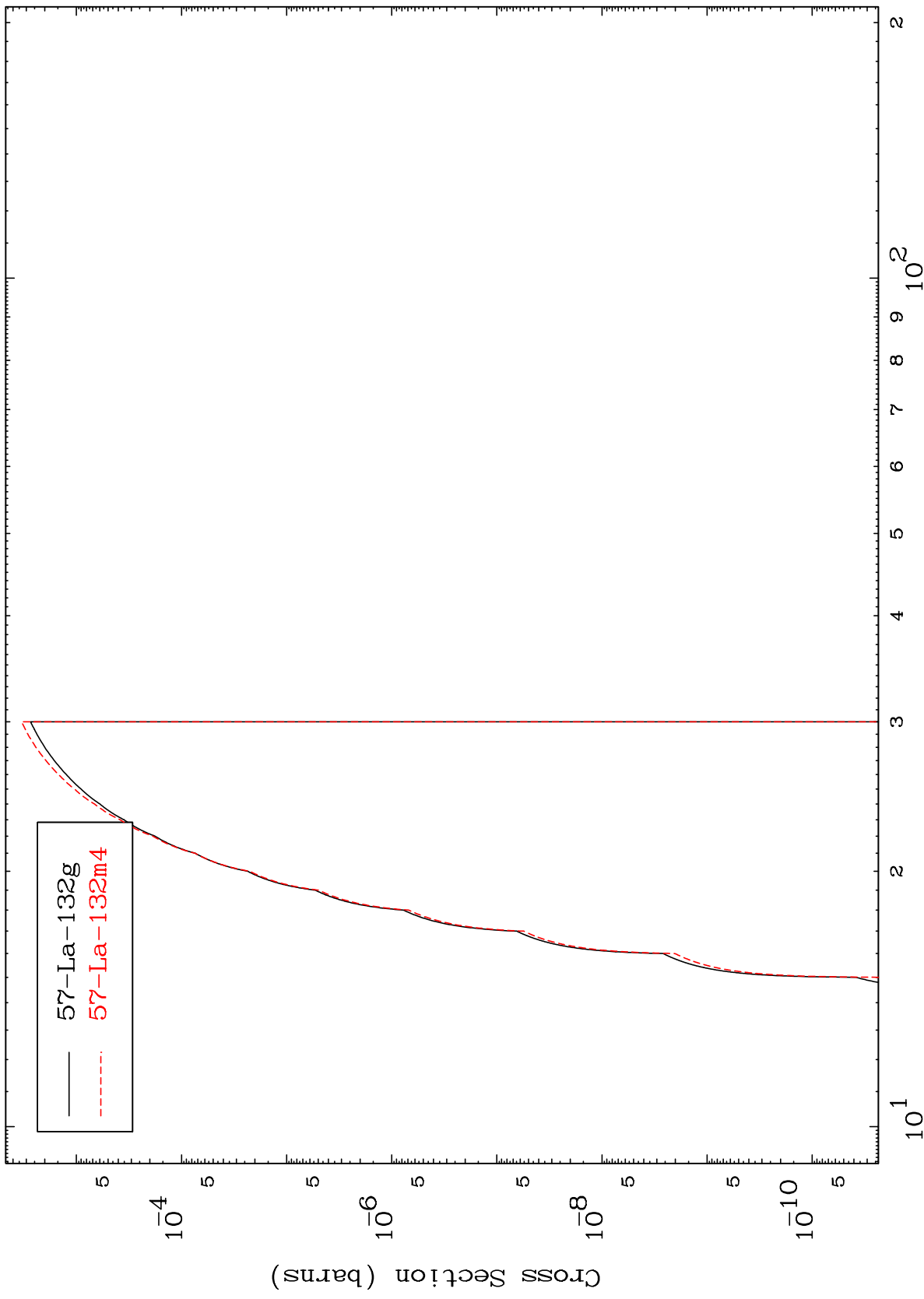
59-Pr-134

MAT 5904

(n,2n) p

59-Pr-134

Radionuclide Production Cross Section



135

Incident Energy (MeV)

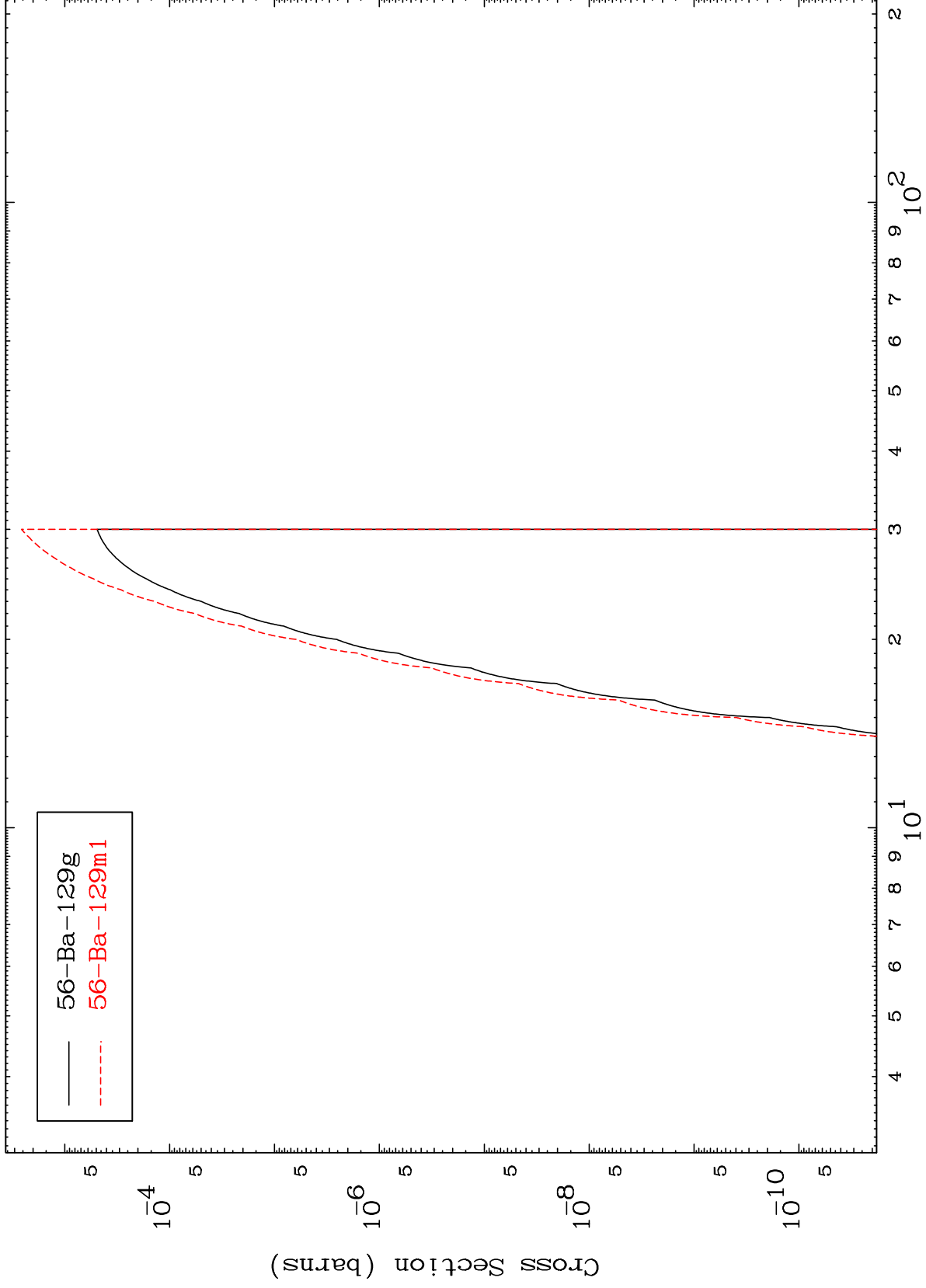
59-Pr-134

MAT 5904

(n,n') p α

59-Pr-134

Radionuclide Production Cross Section



136

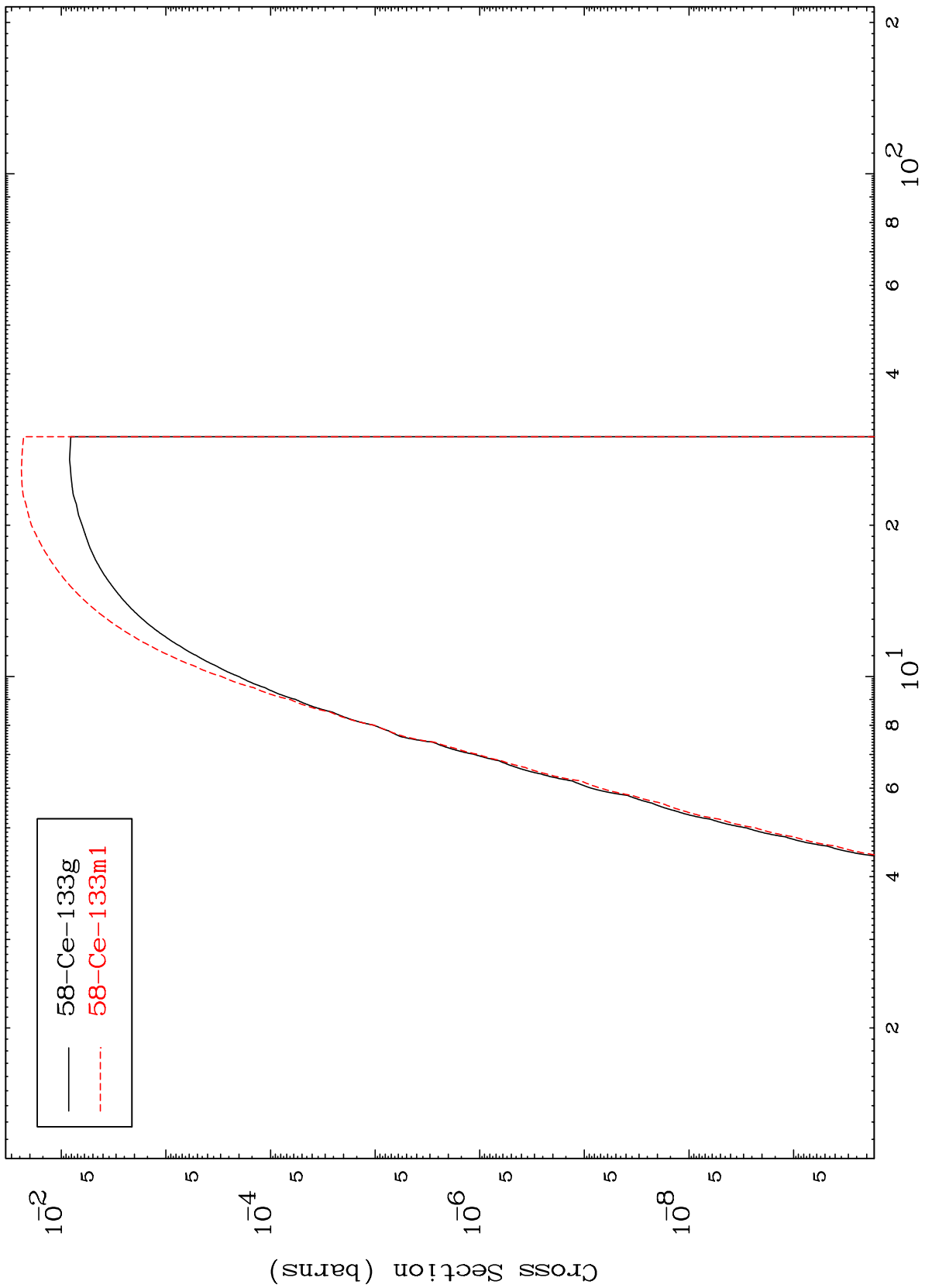
Incident Energy (MeV)

59-Pr-134

MAT 5904

59-Pr-134

(n,d)
Radionuclide Production Cross Section



137

Incident Energy (MeV)

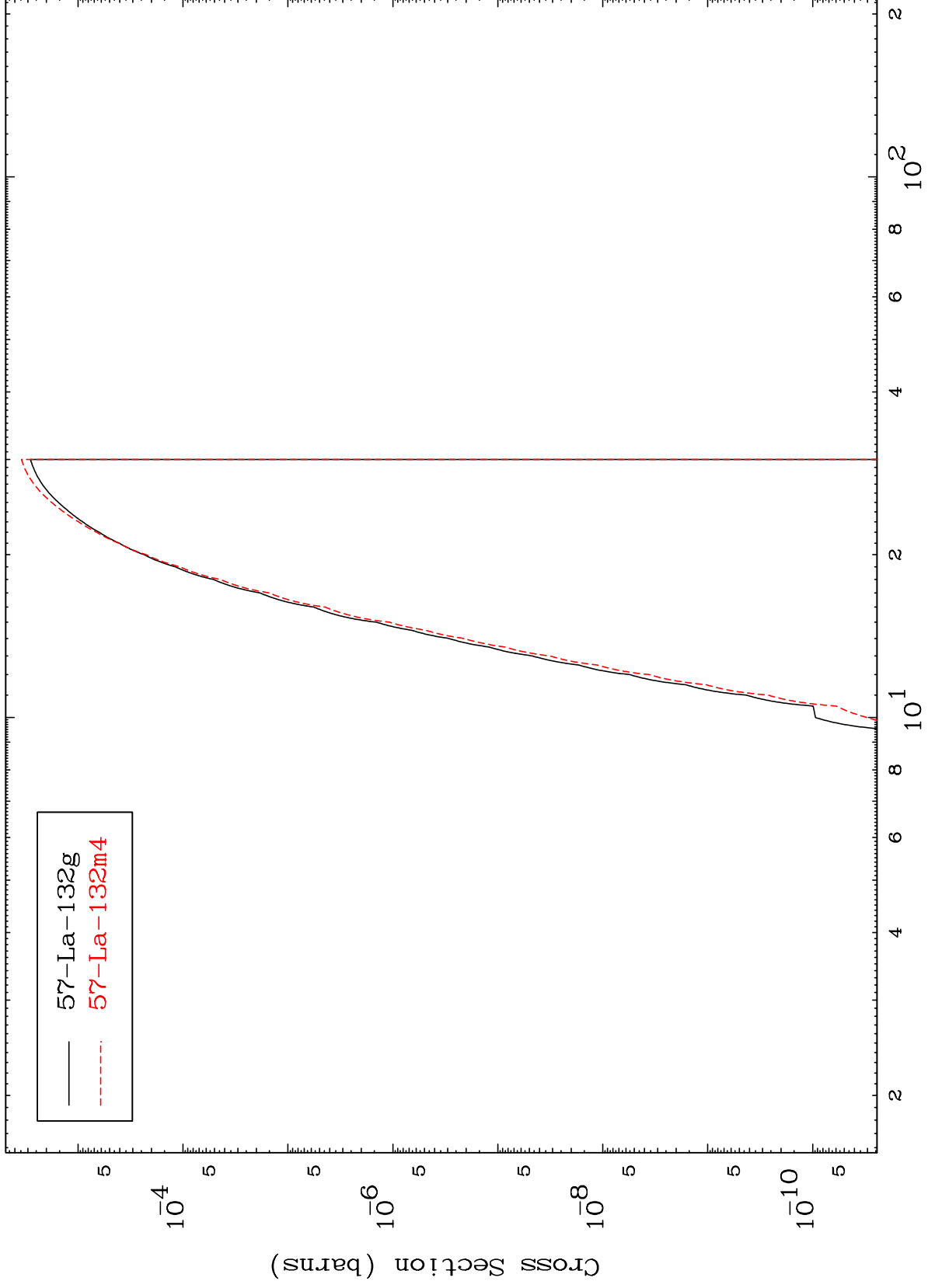
59-Pr-134

MAT 5904

(n,He-3)

59-Pr-134

Radionuclide Production Cross Section



138

Incident Energy (MeV)

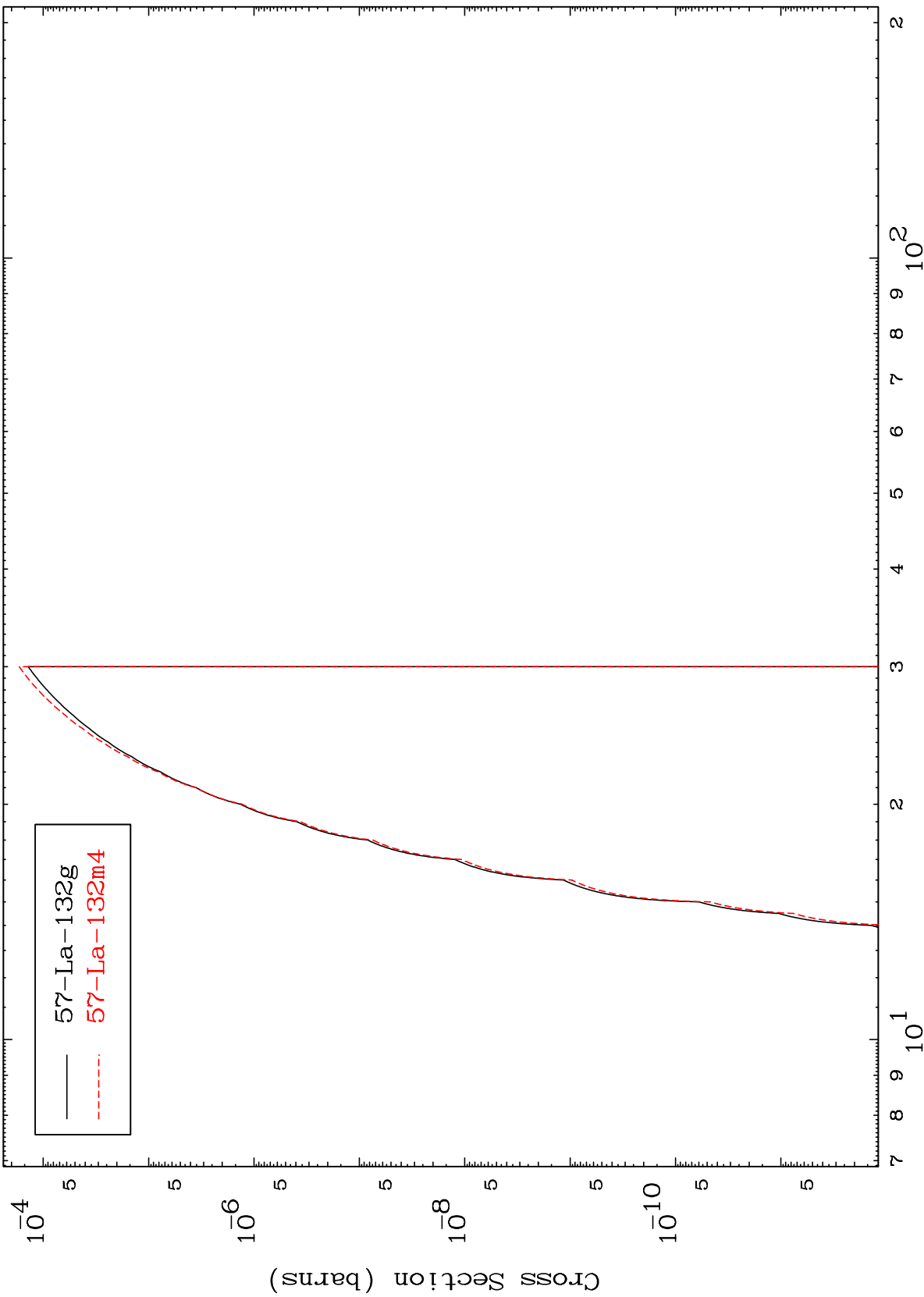
59-Pr-134

MAT 5904

(n,p) d

59-Pr-134

Radionuclide Production Cross Section



139

Incident Energy (MeV)

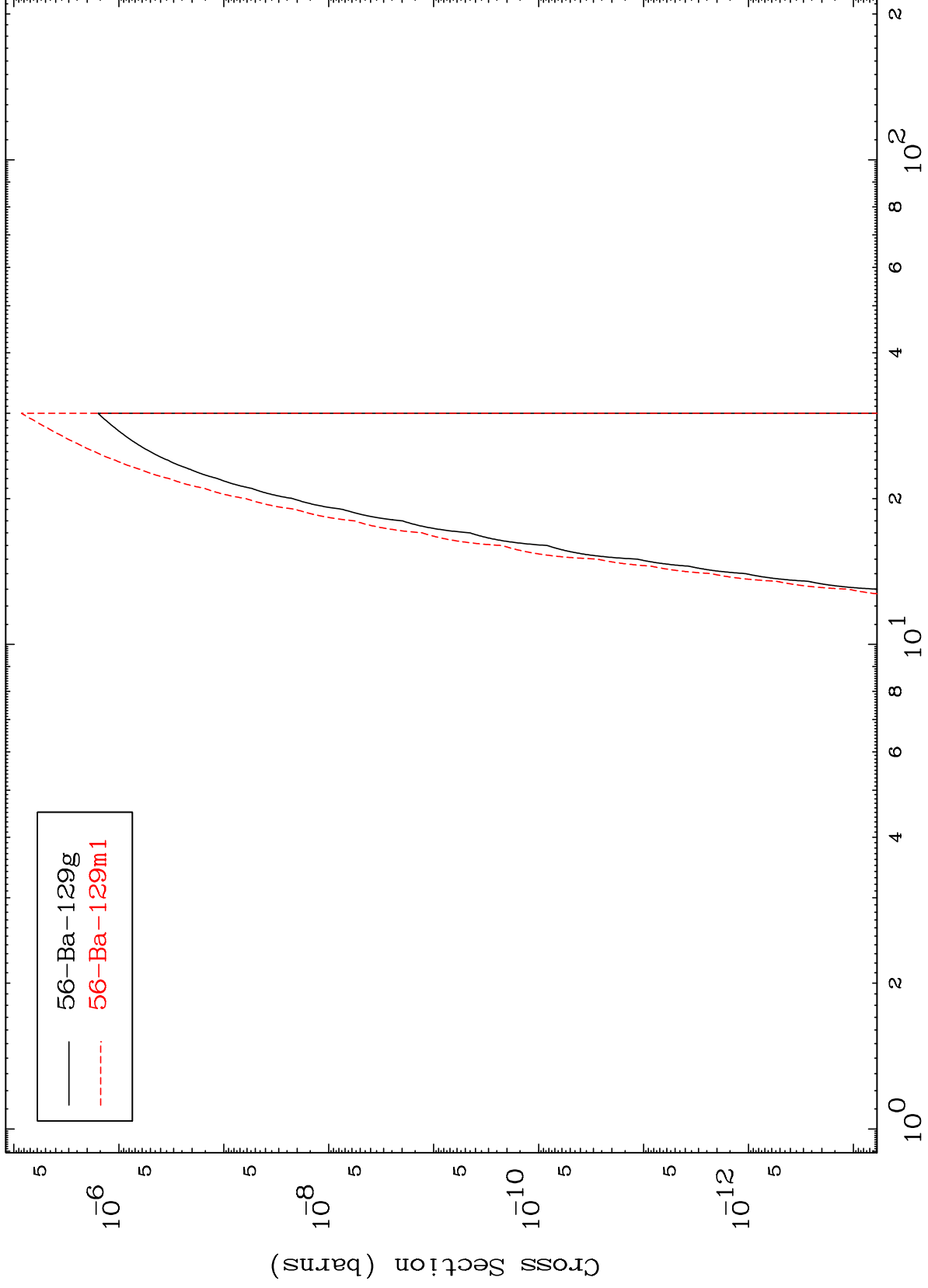
59-Pr-134

MAT 5904

(n,d) α

59-Pr-134

Radionuclide Production Cross Section



140

Incident Energy (MeV)

59-Pr-134