

Program EVALPLOT
(Version 2017-1)

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

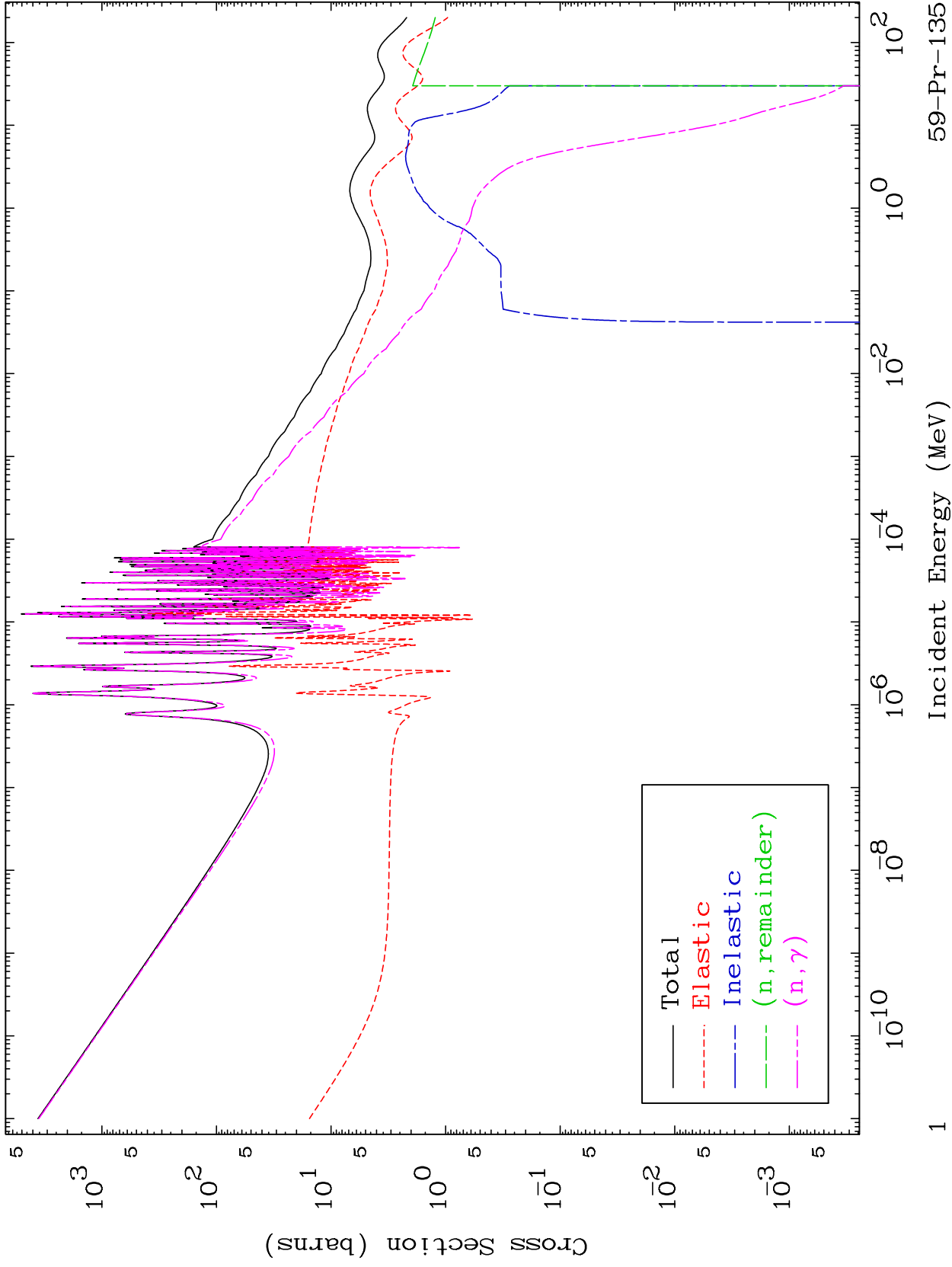
Press Mouse Button to Start

MAT 5907

Major

293 Kelvin Cross Sections

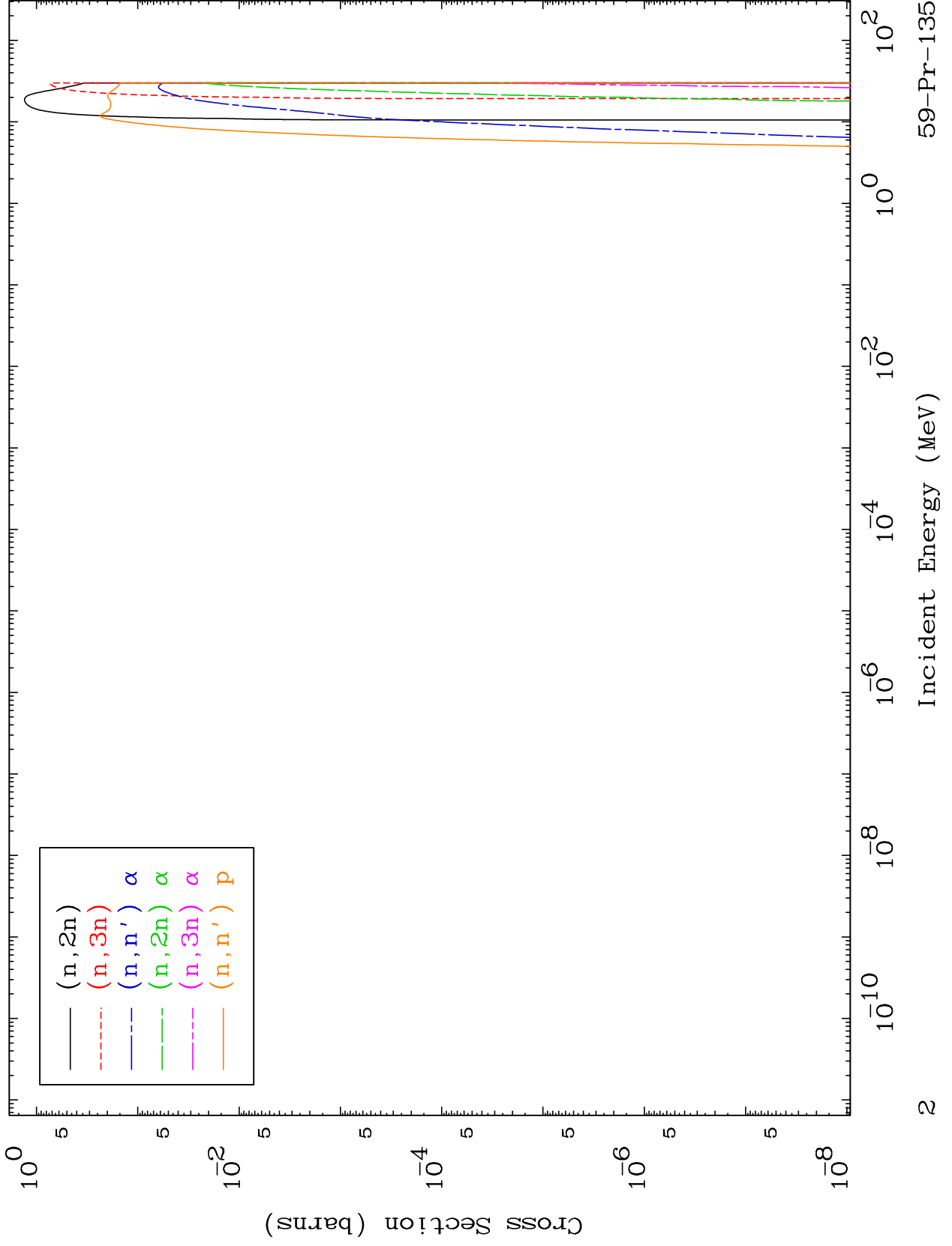
59-Pr-135



MAT 5907

Neutron Production
293 Kelvin Cross Sections

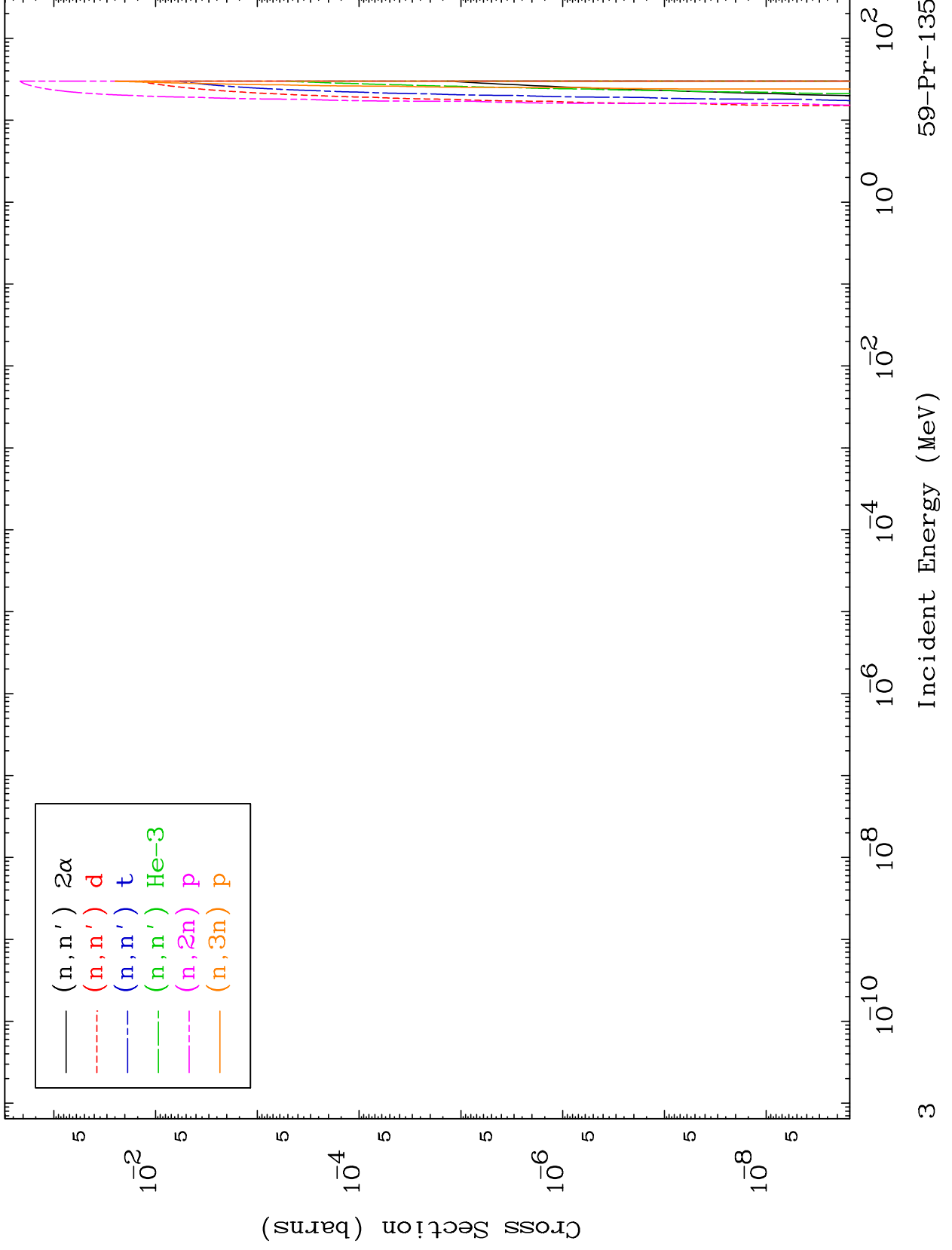
59-Pr-135



MAT 5907

Neutron Production
293 Kelvin Cross Sections

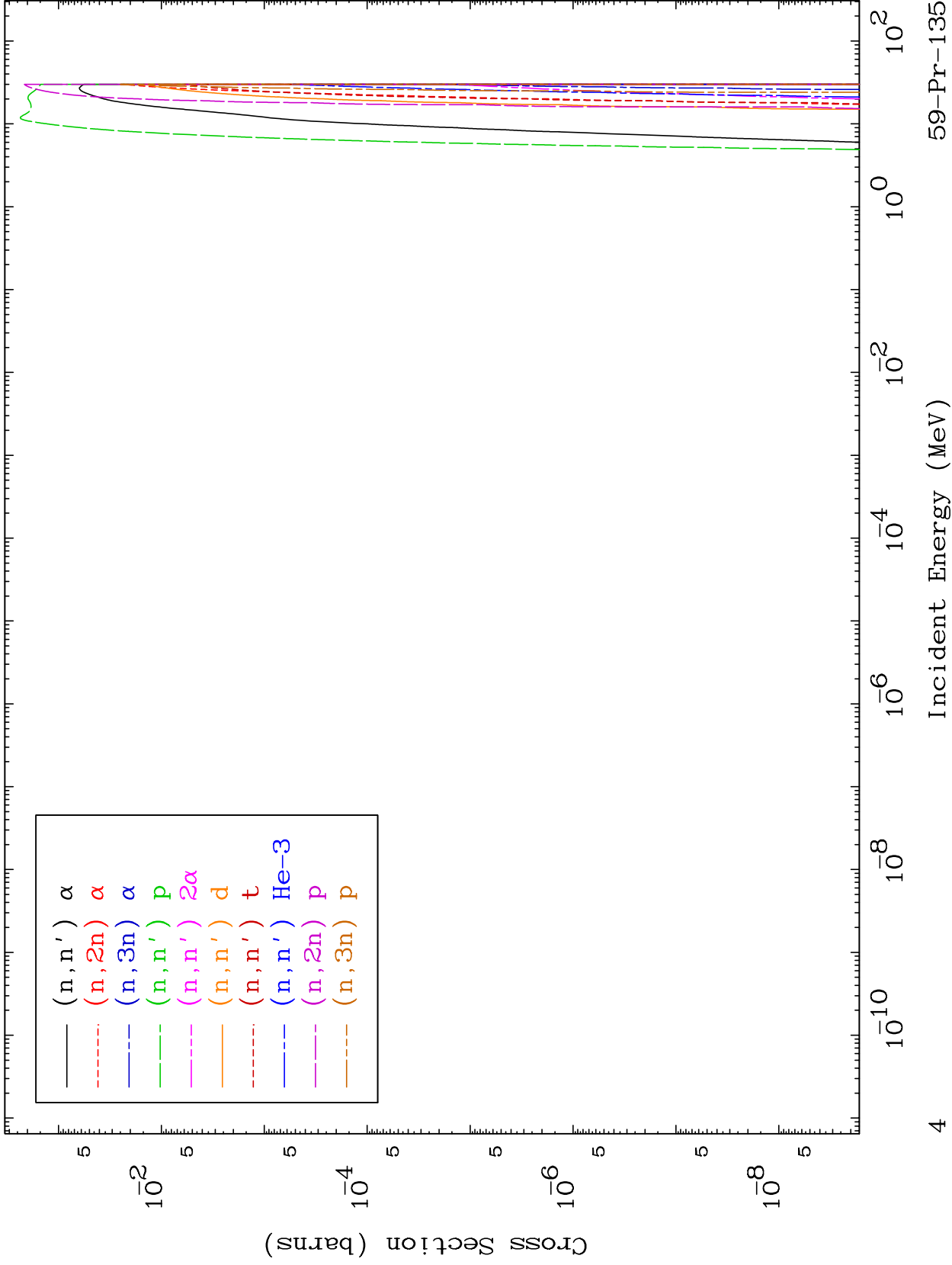
59-Pr-135



MAT 5907

Charged Particle
293 Kelvin Cross Sections

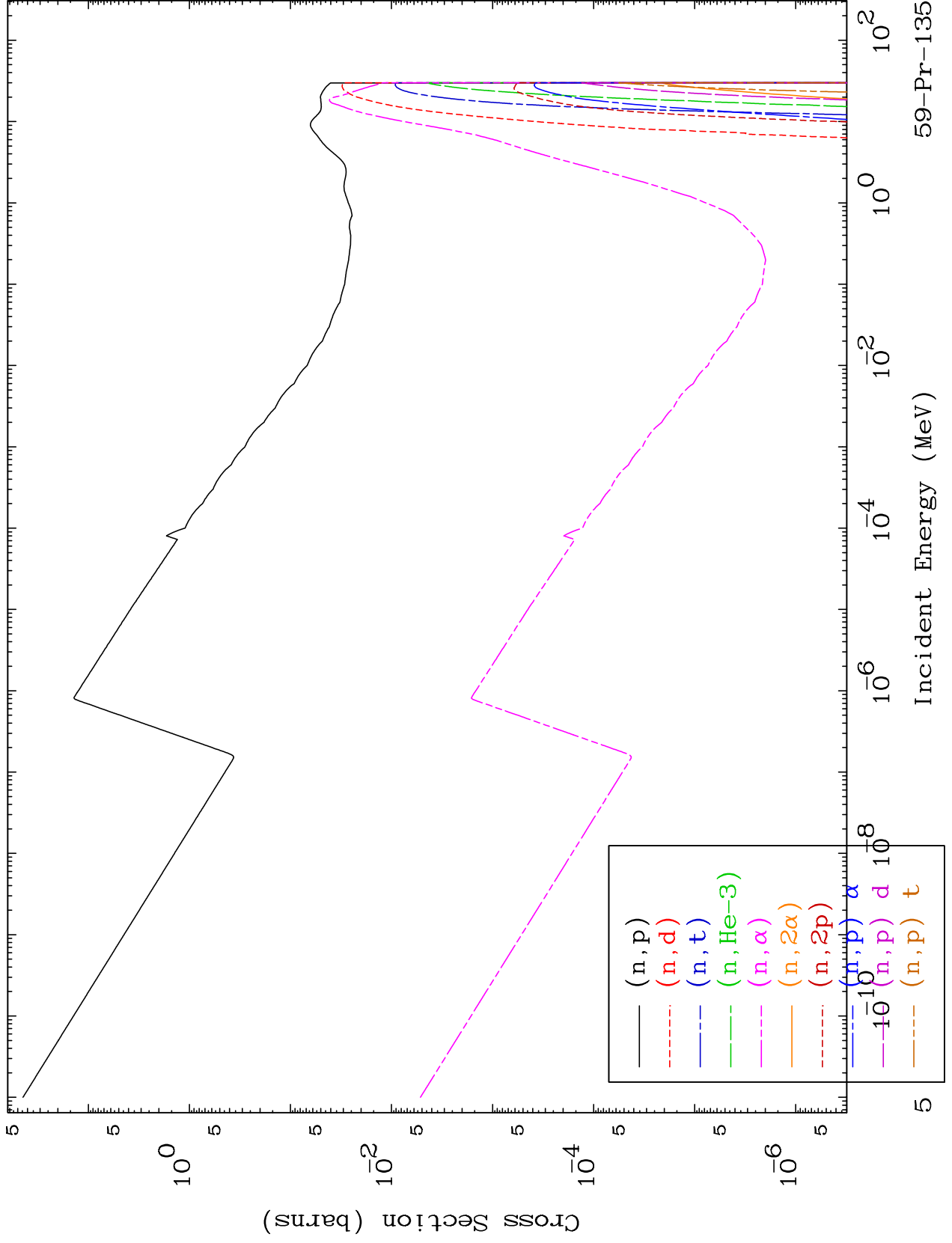
59-Pr-135



MAT 5907

Charged Particle
293 Kelvin Cross Sections

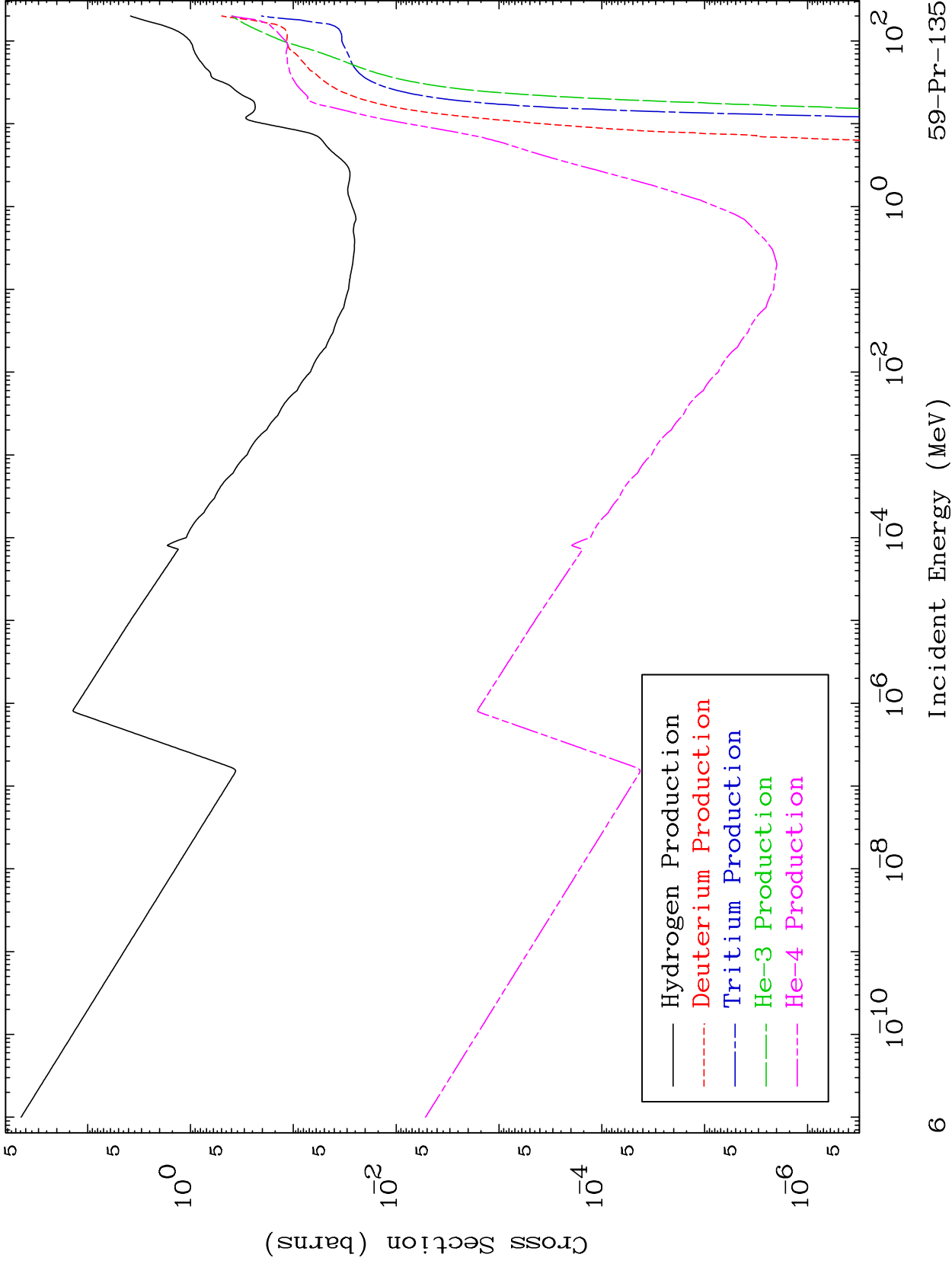
59-Pr-135

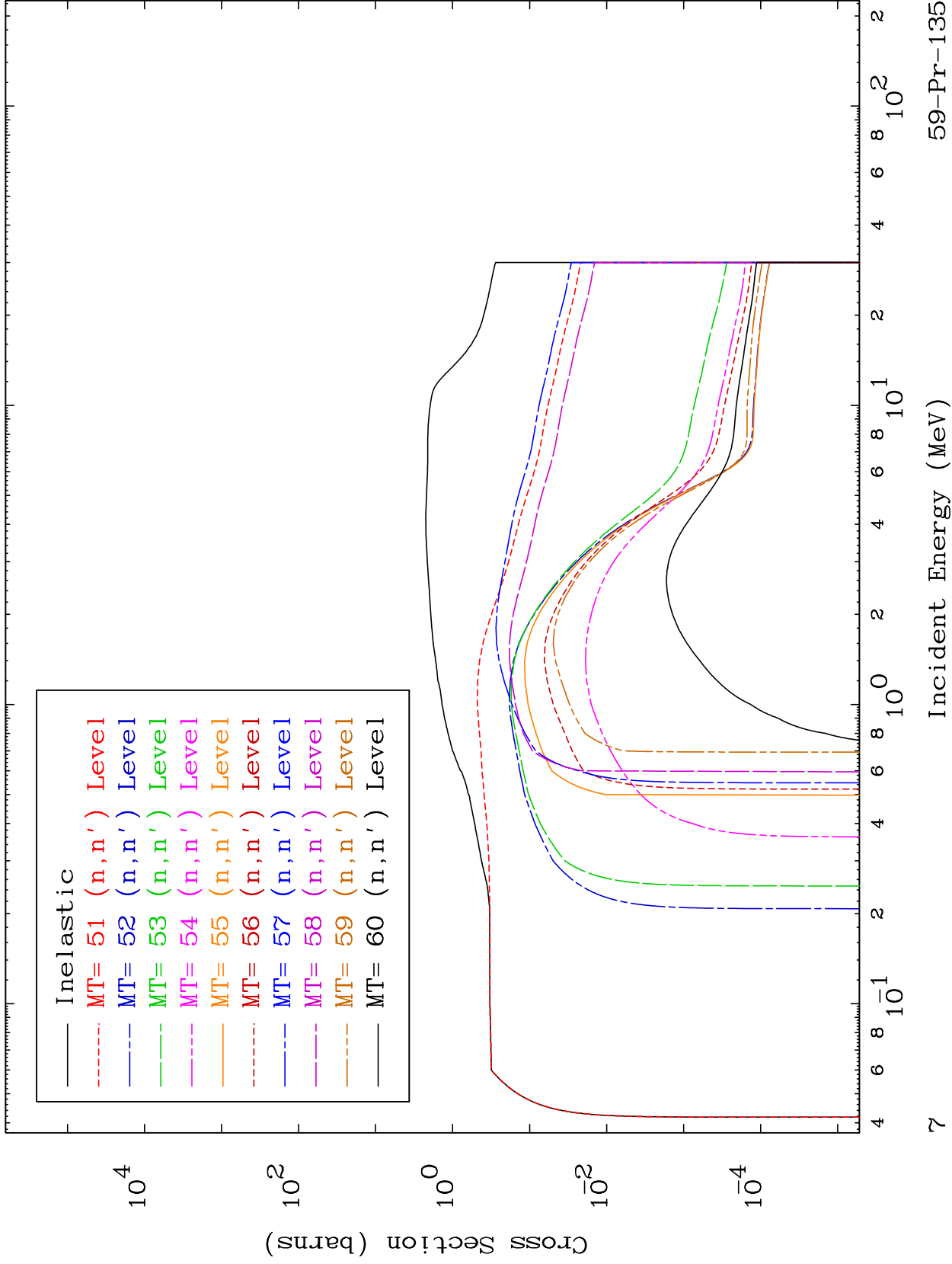


MAT 5907

Particle Production
293 Kelvin Cross Sections

59-Pr-135



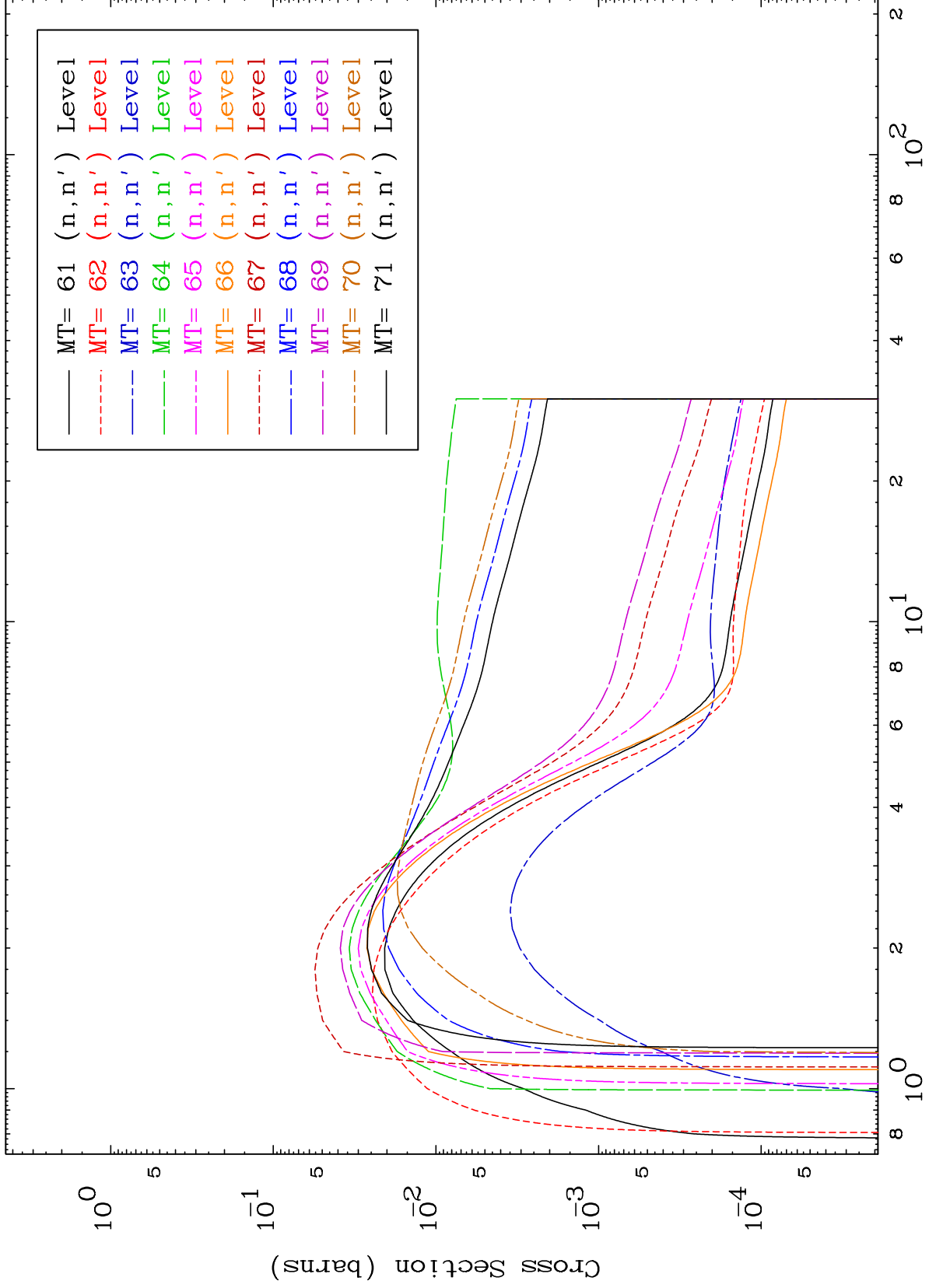


MAT 5907

(n,n') Level

59-Pr-135

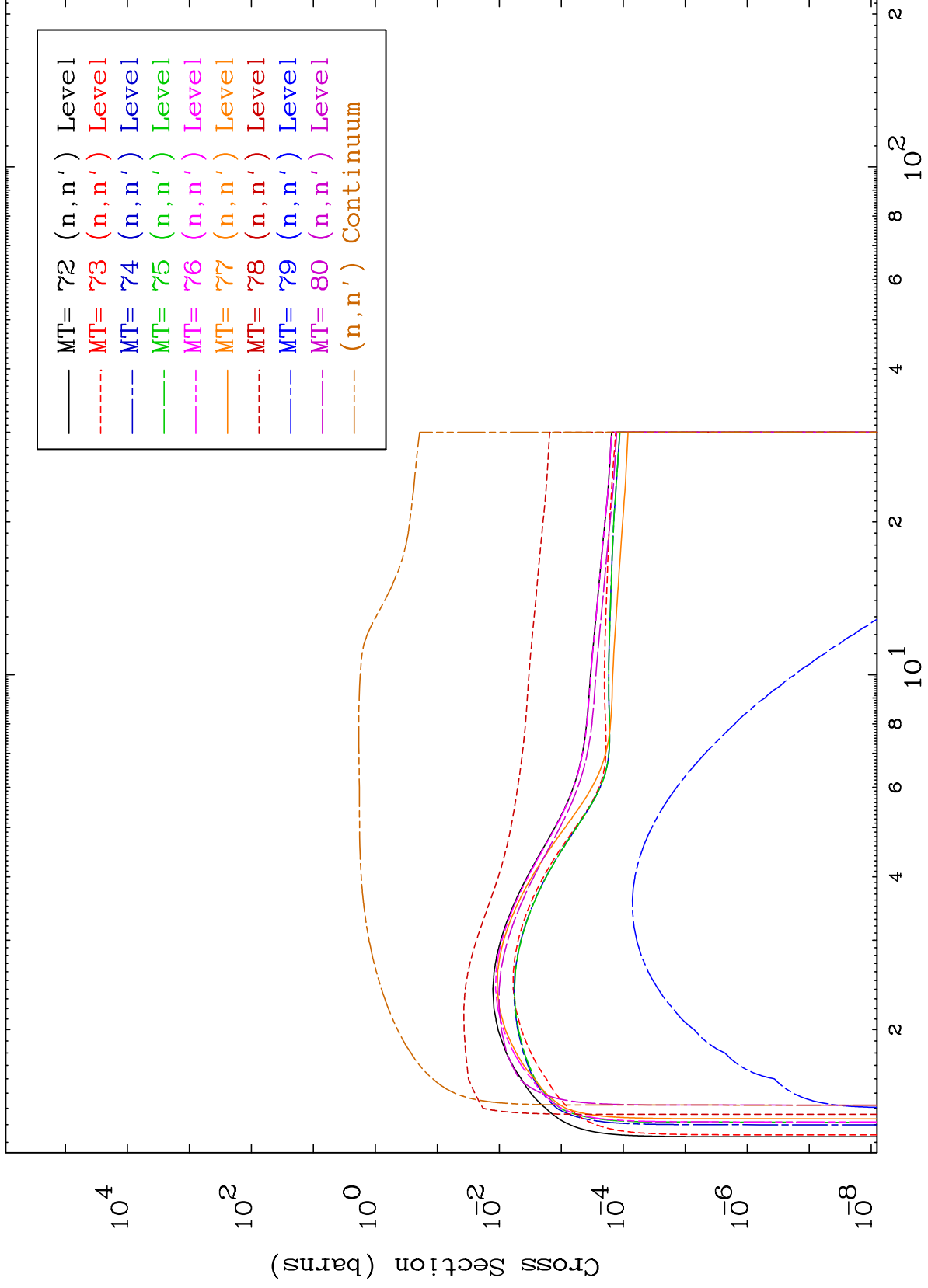
293 Kelvin Cross Sections



Incident Energy (MeV)

59-Pr-135

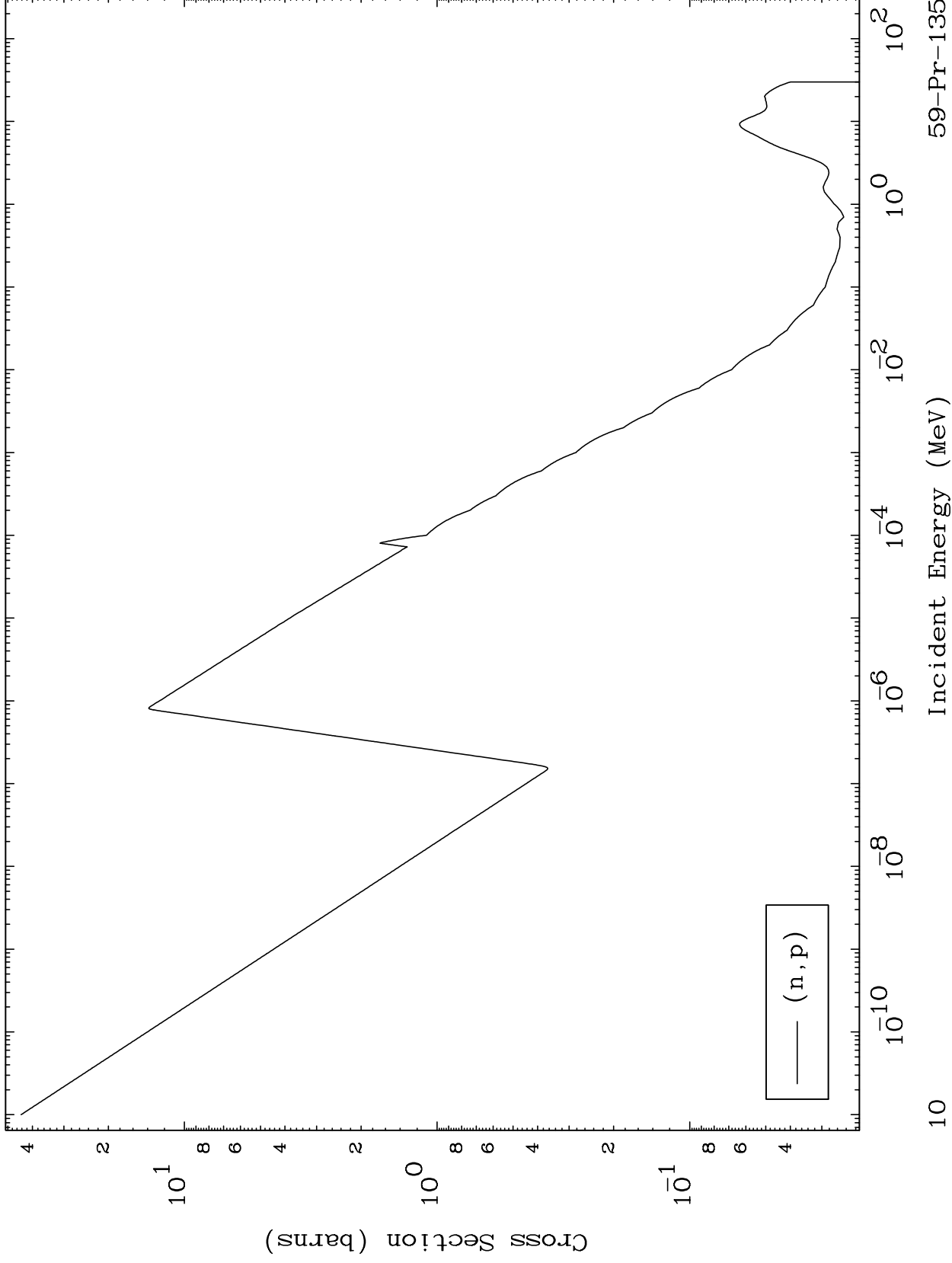
293 Kelvin Cross Sections



MAT 5907

(n,p) Levels
293 Kelvin Cross Sections

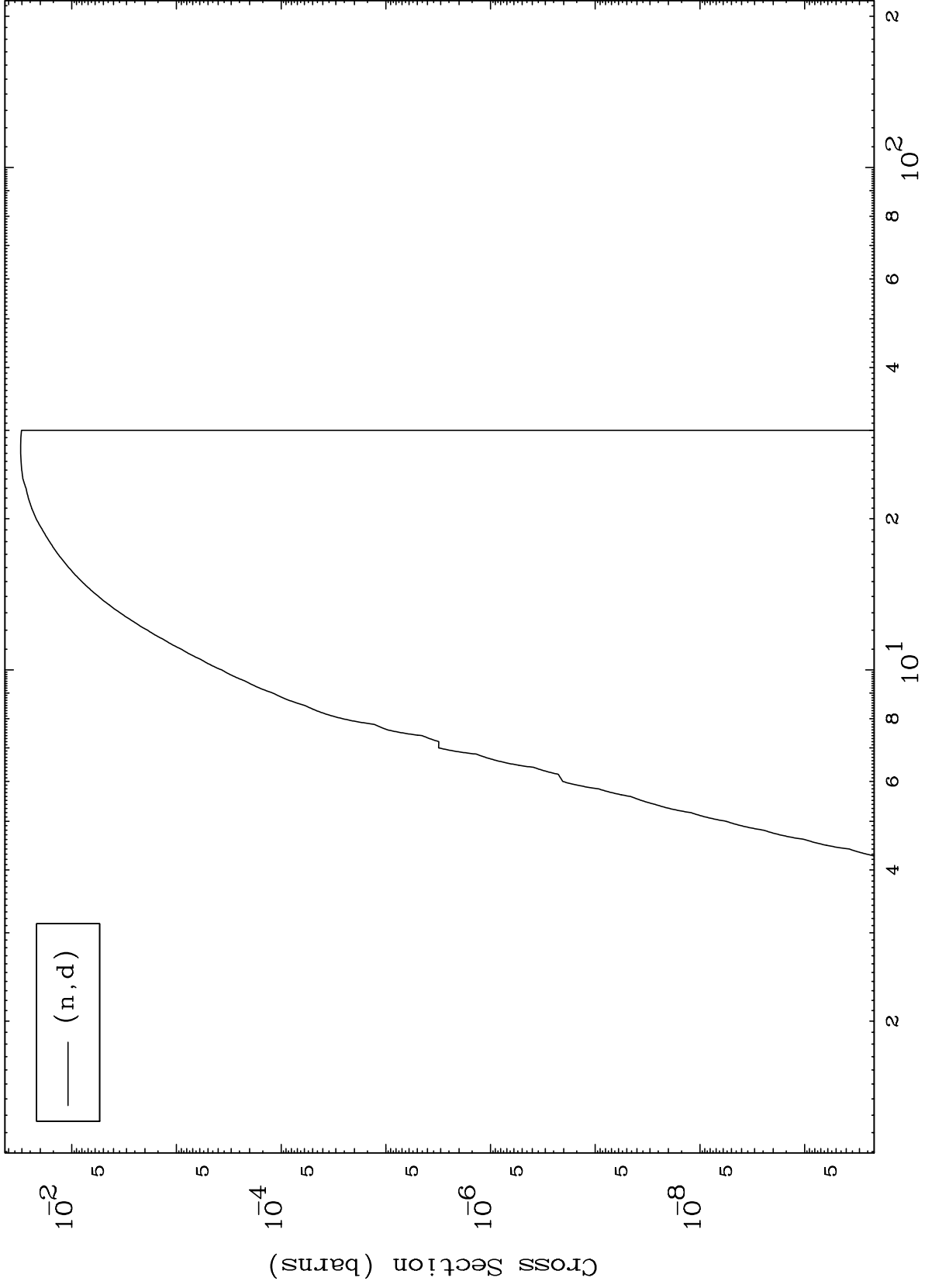
59-Pr-135



MAT 5907

(n,d) Levels
293 Kelvin Cross Sections

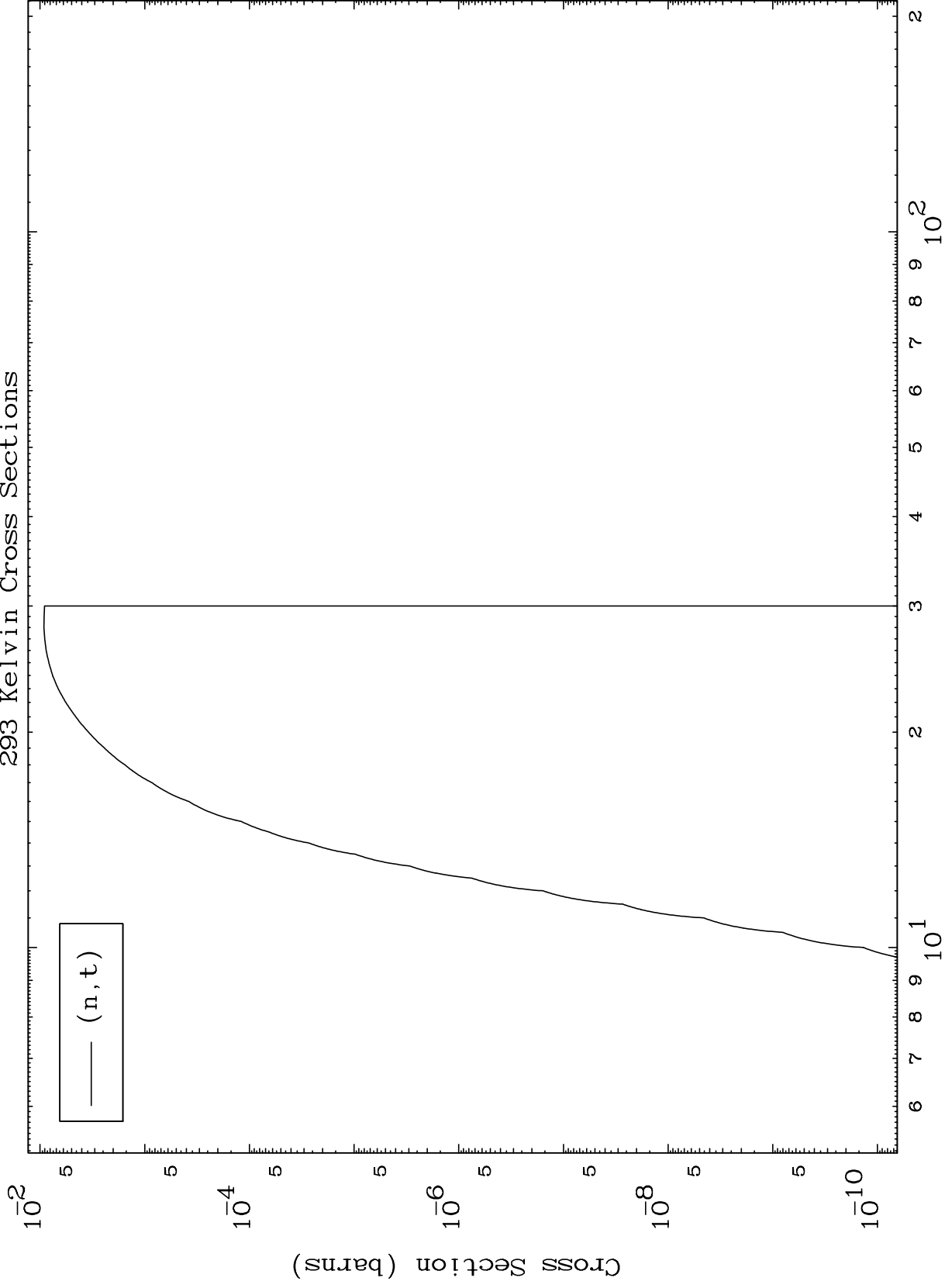
59-Pr-135



MAT 5907

(n,t) Levels
293 Kelvin Cross Sections

59-Pr-135



12

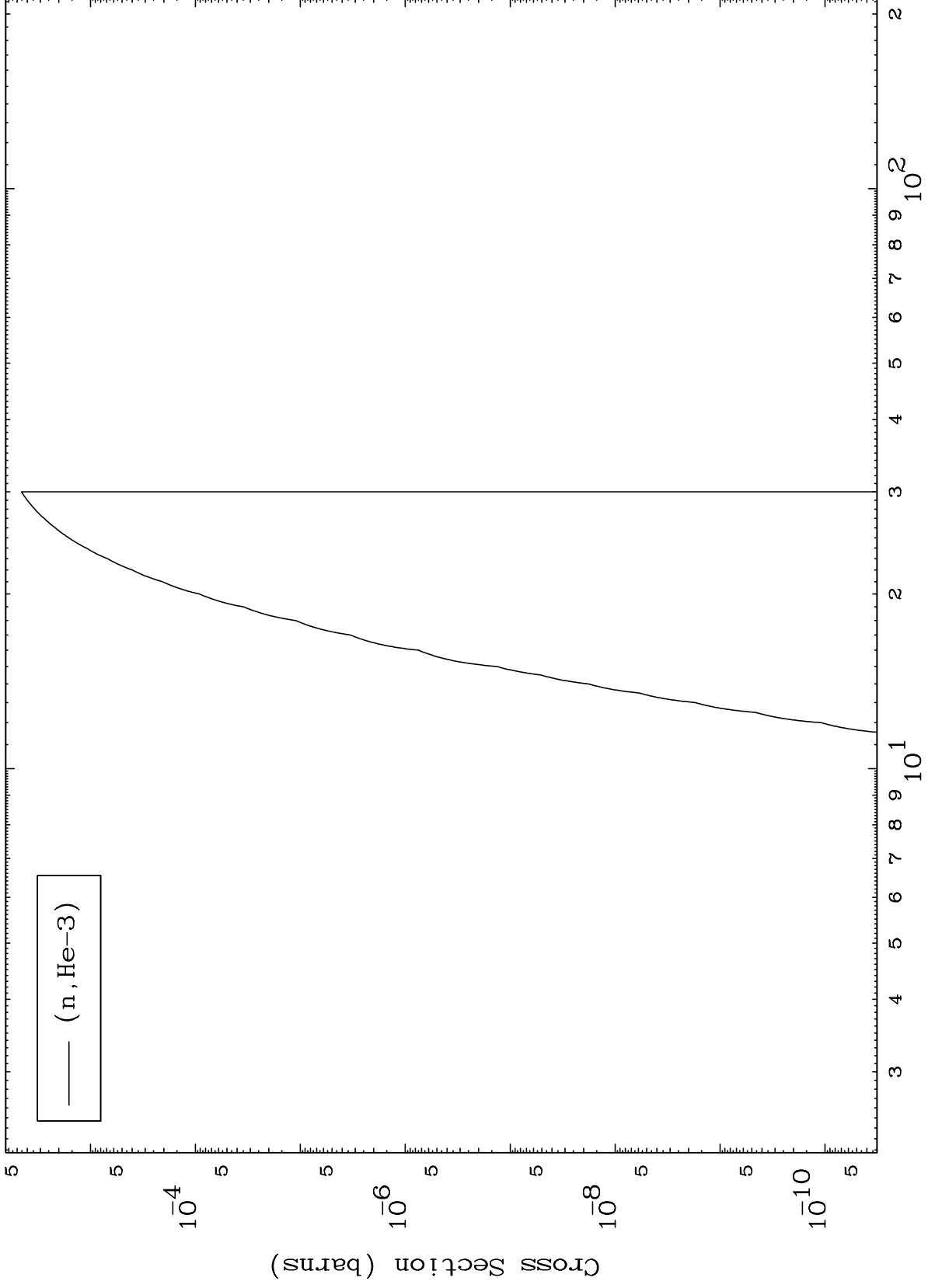
Incident Energy (MeV)

59-Pr-135

MAT 5907

(n,He3) Levels
293 Kelvin Cross Sections

59-Pr-135



13

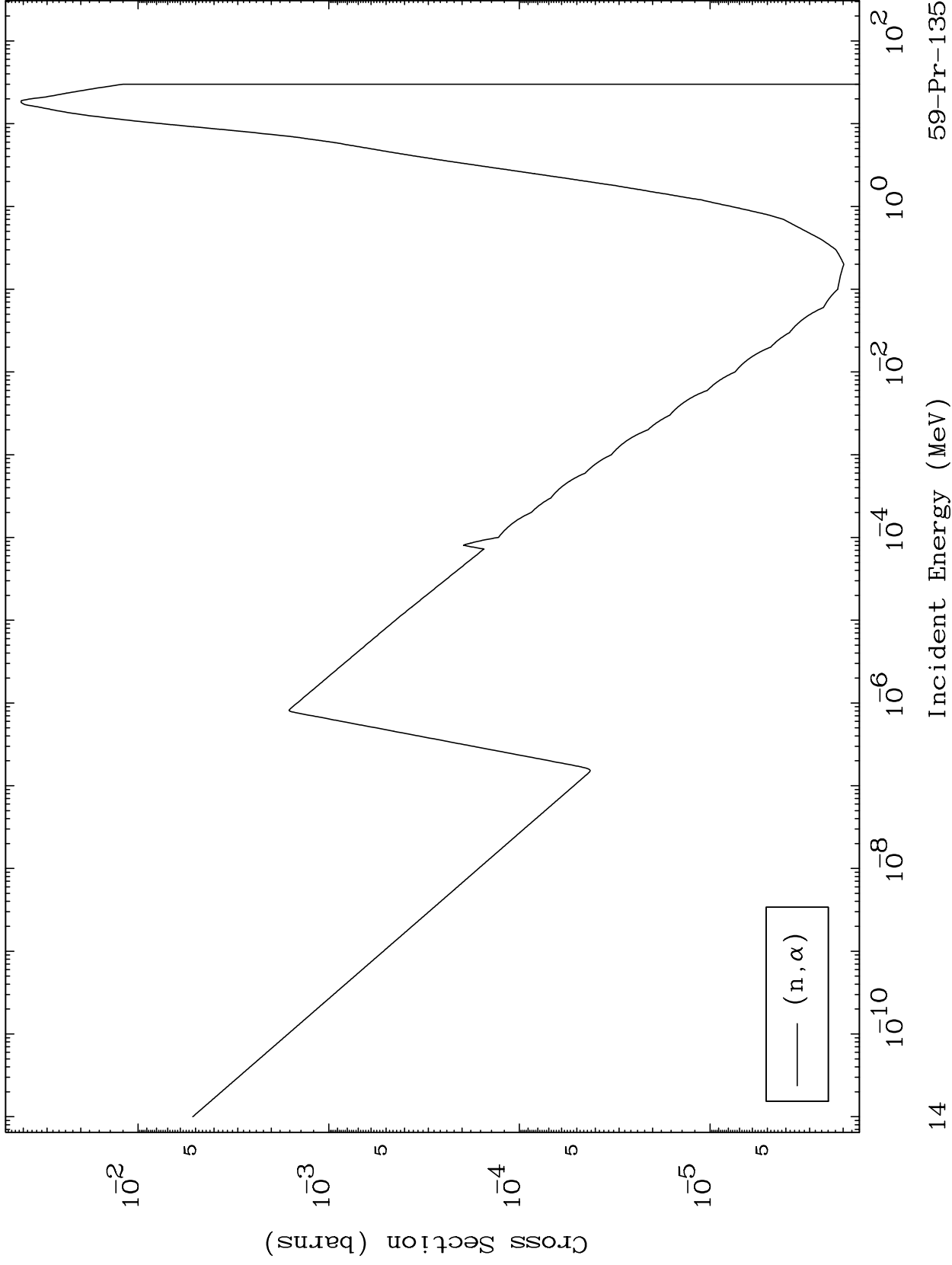
Incident Energy (MeV)

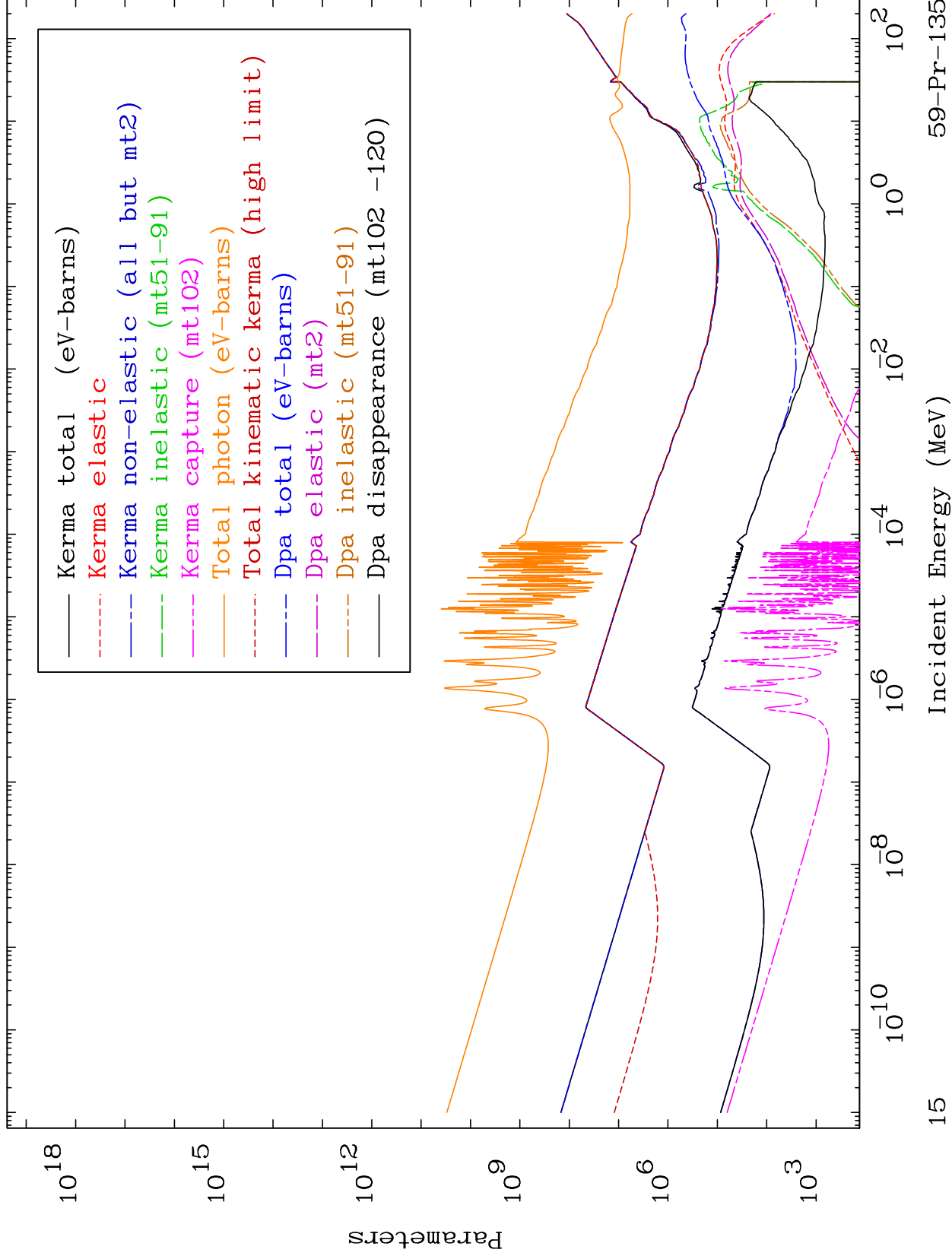
59-Pr-135

MAT 5907

(n, α) Levels
293 Kelvin Cross Sections

59-Pr-135

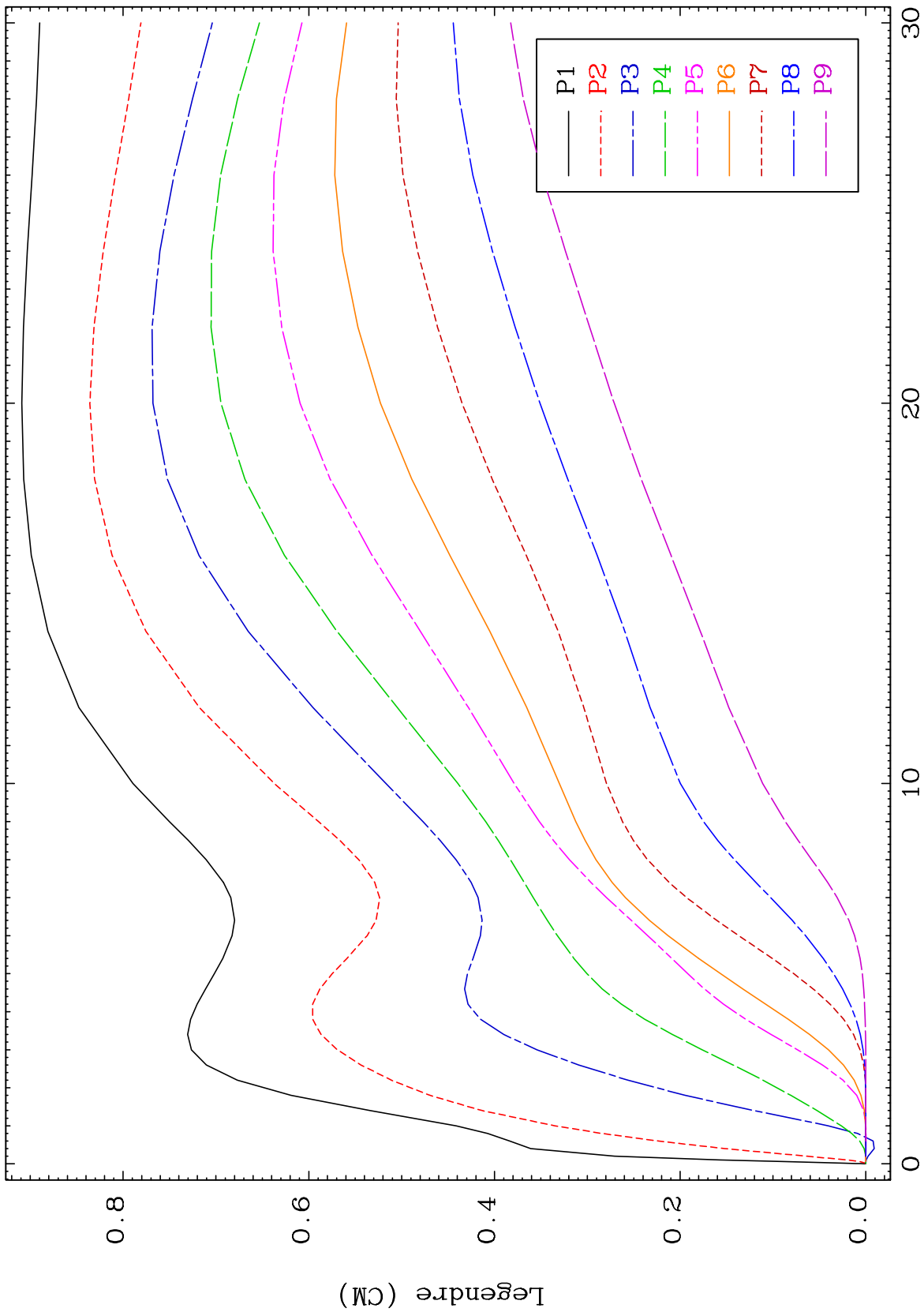




MAT 5907

Elastic Legendre Coefficients

59-Pr-135



16

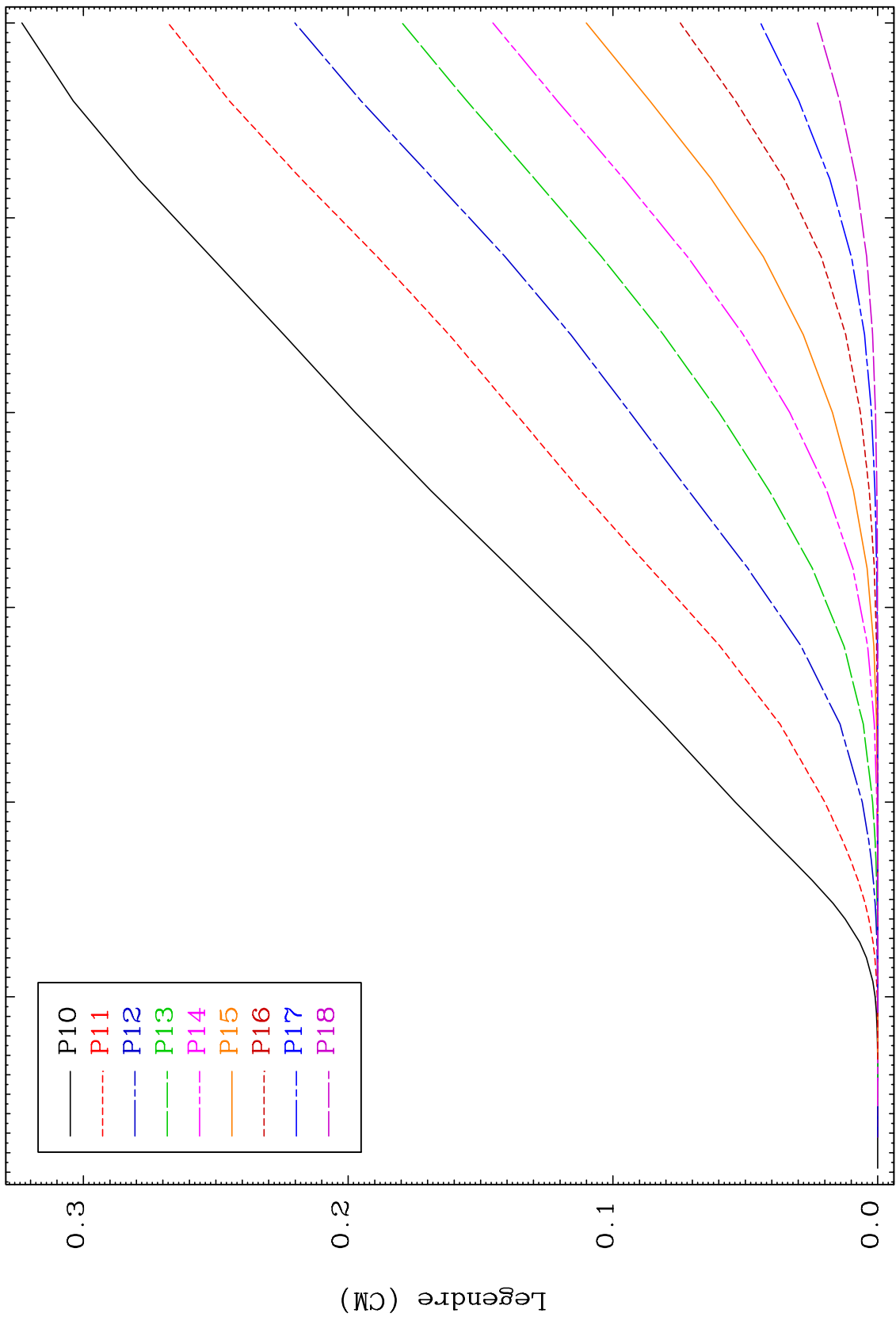
Incident Energy (MeV)

59-Pr-135

MAT 5907

Elastic Legendre Coefficients

59-Pr-135



17

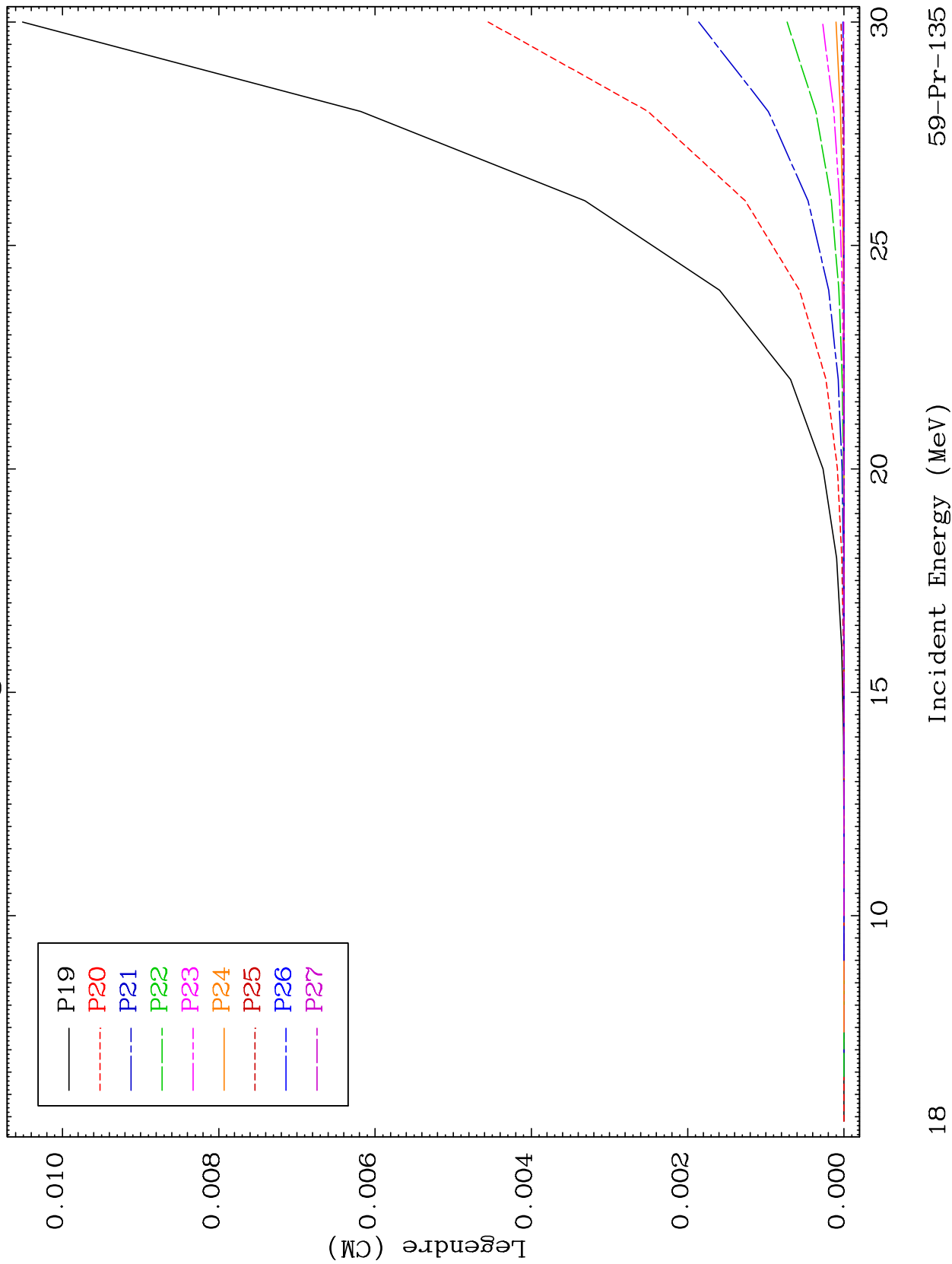
Incident Energy (MeV)

59-Pr-135

MAT 5907

Elastic Legendre Coefficients

59-Pr-135



18

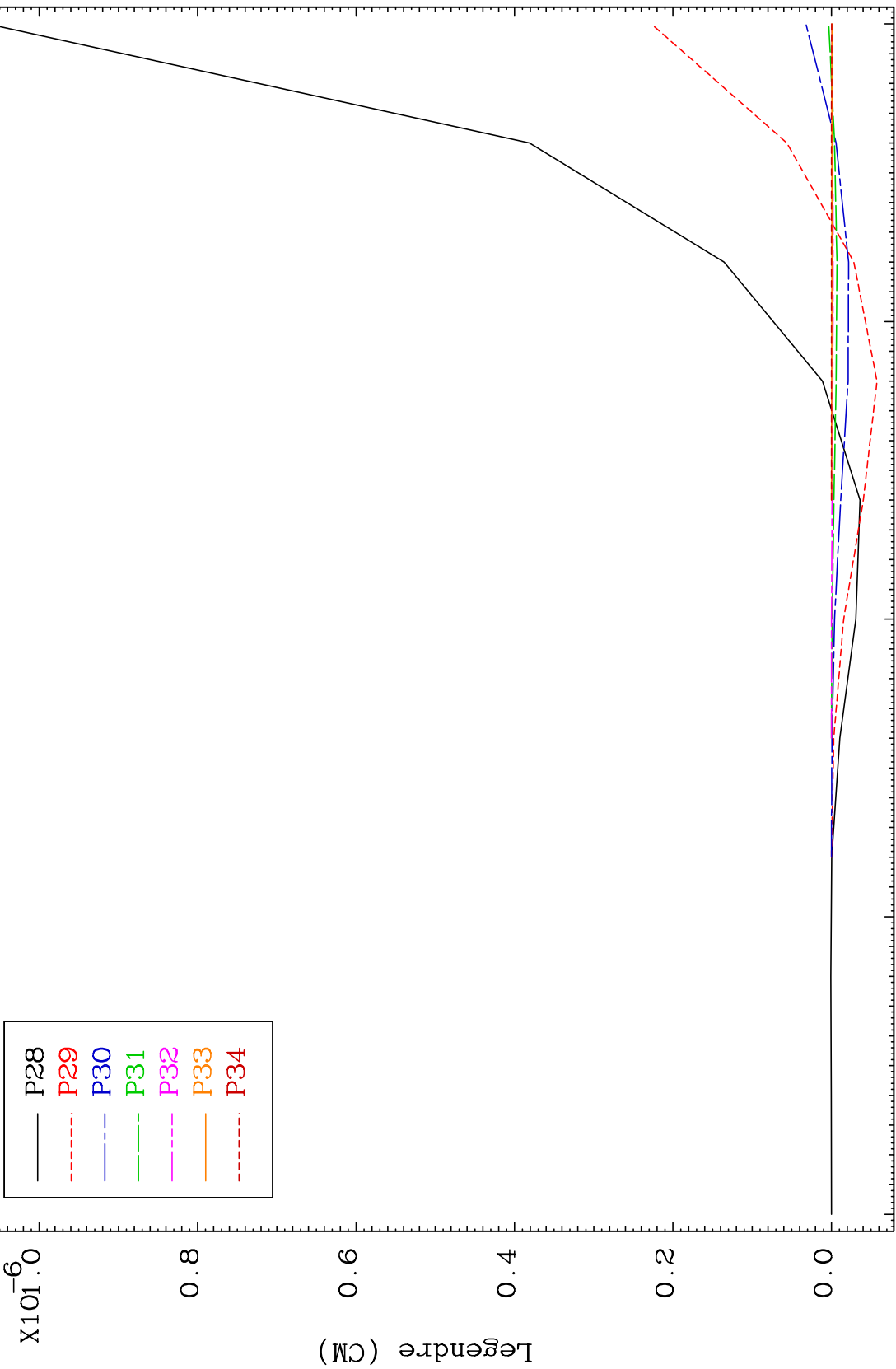
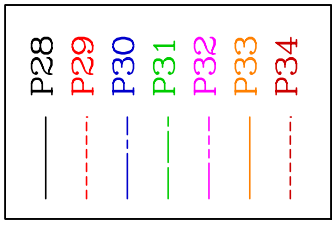
Incident Energy (MeV)

59-Pr-135

MAT 5907

Elastic Legendre Coefficients

59-Pr-135



19

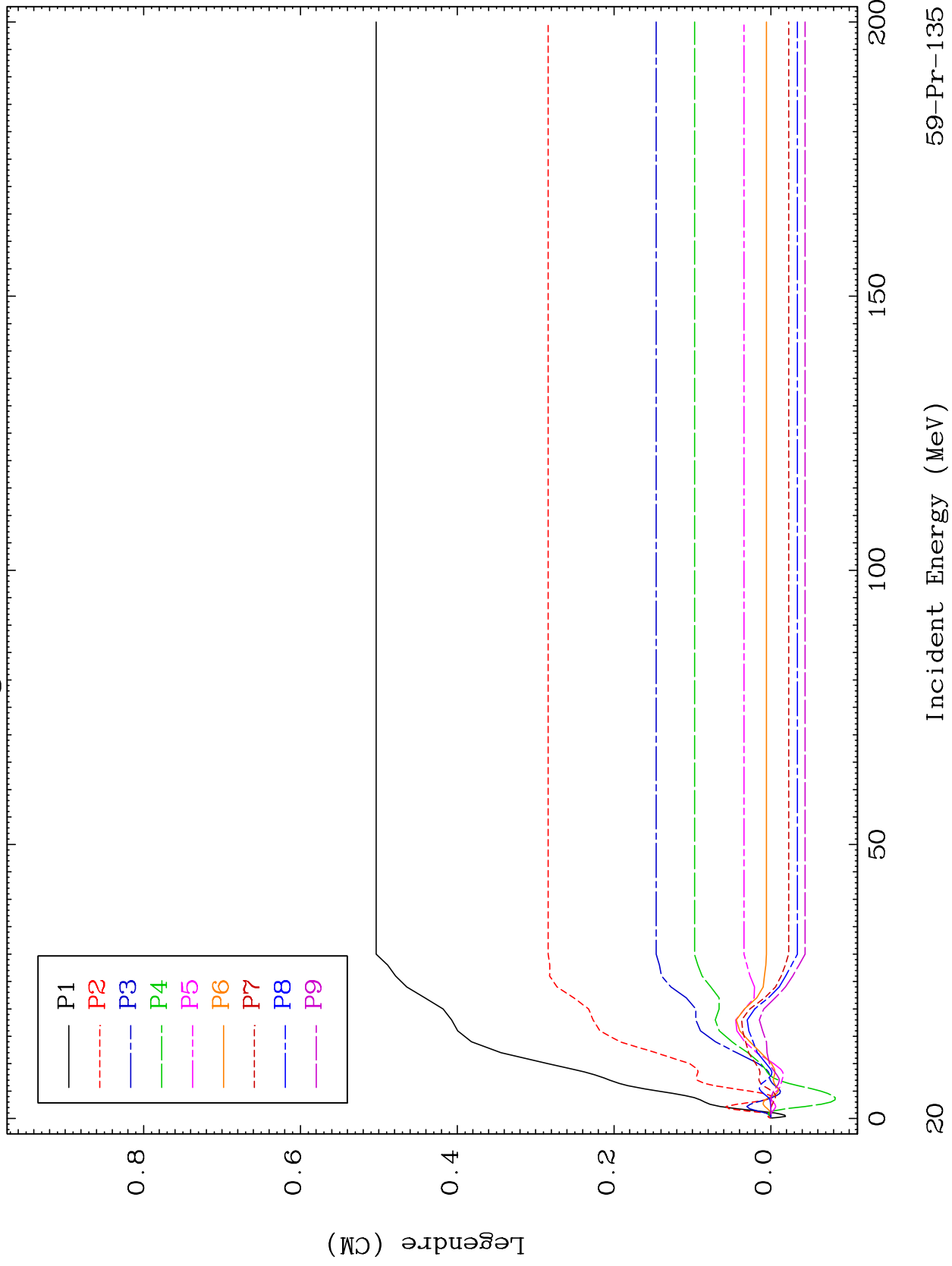
Incident Energy (MeV)

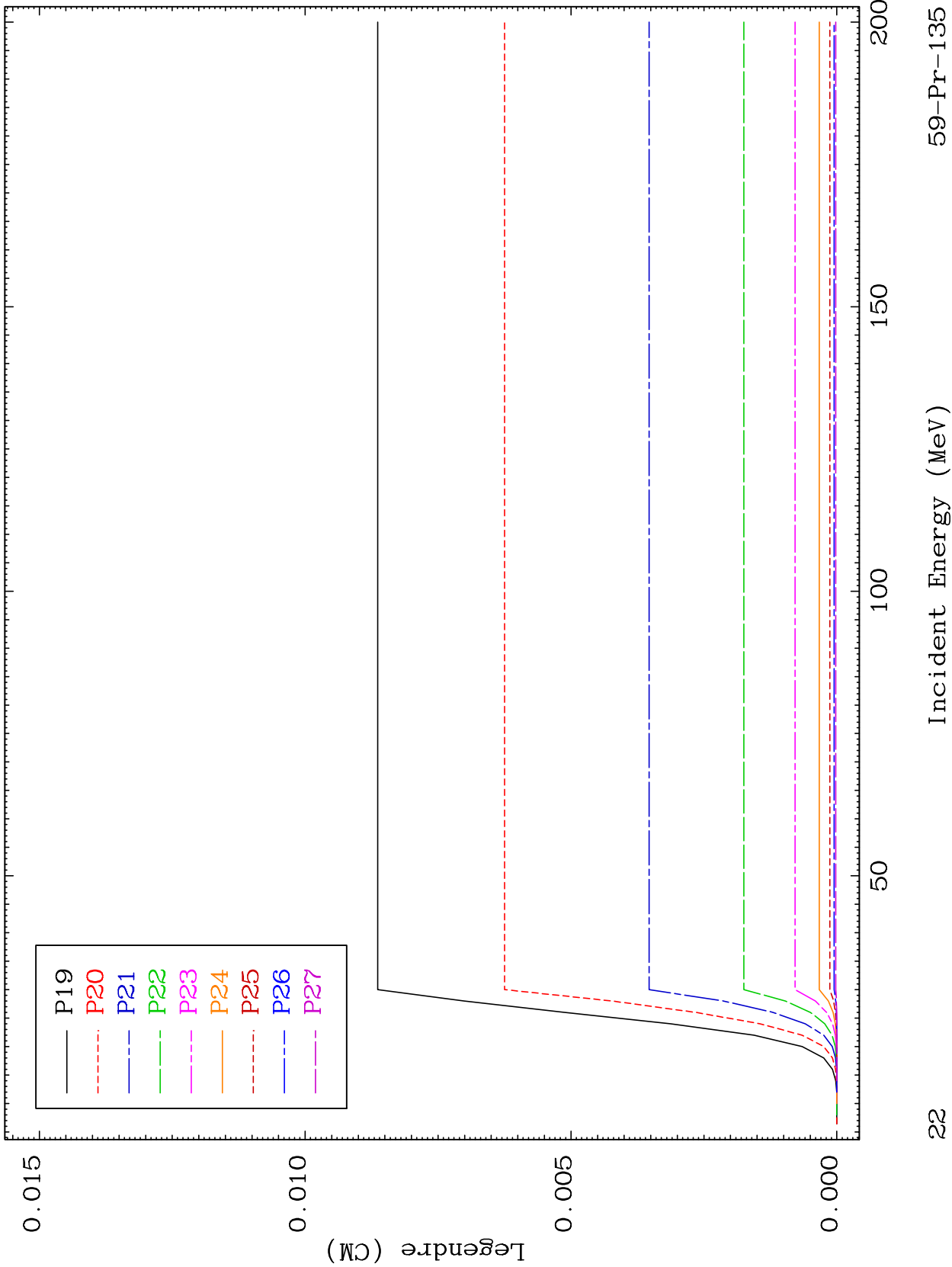
59-Pr-135

MAT 5907

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

59-Pr-135

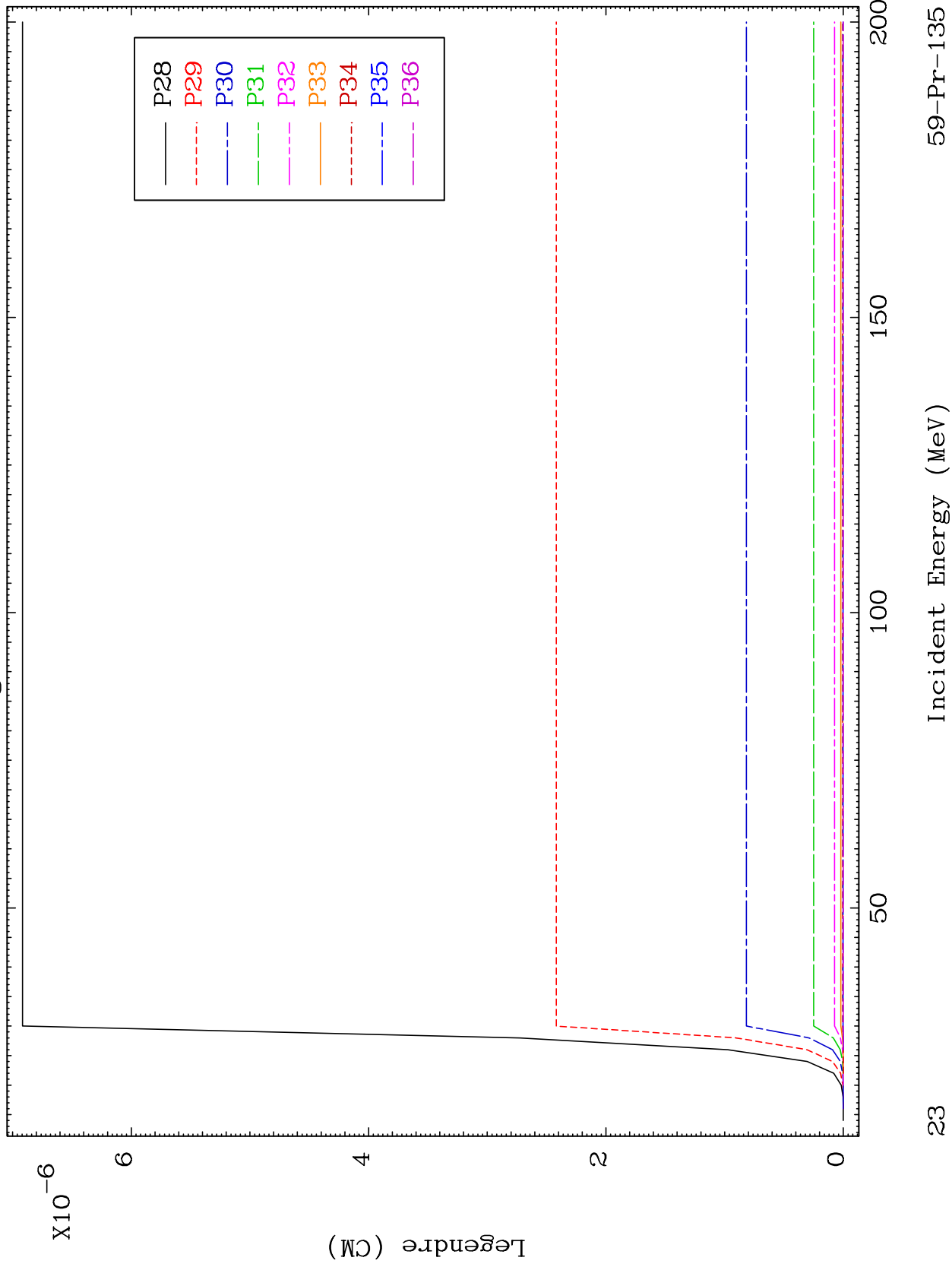




MAT 5907

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

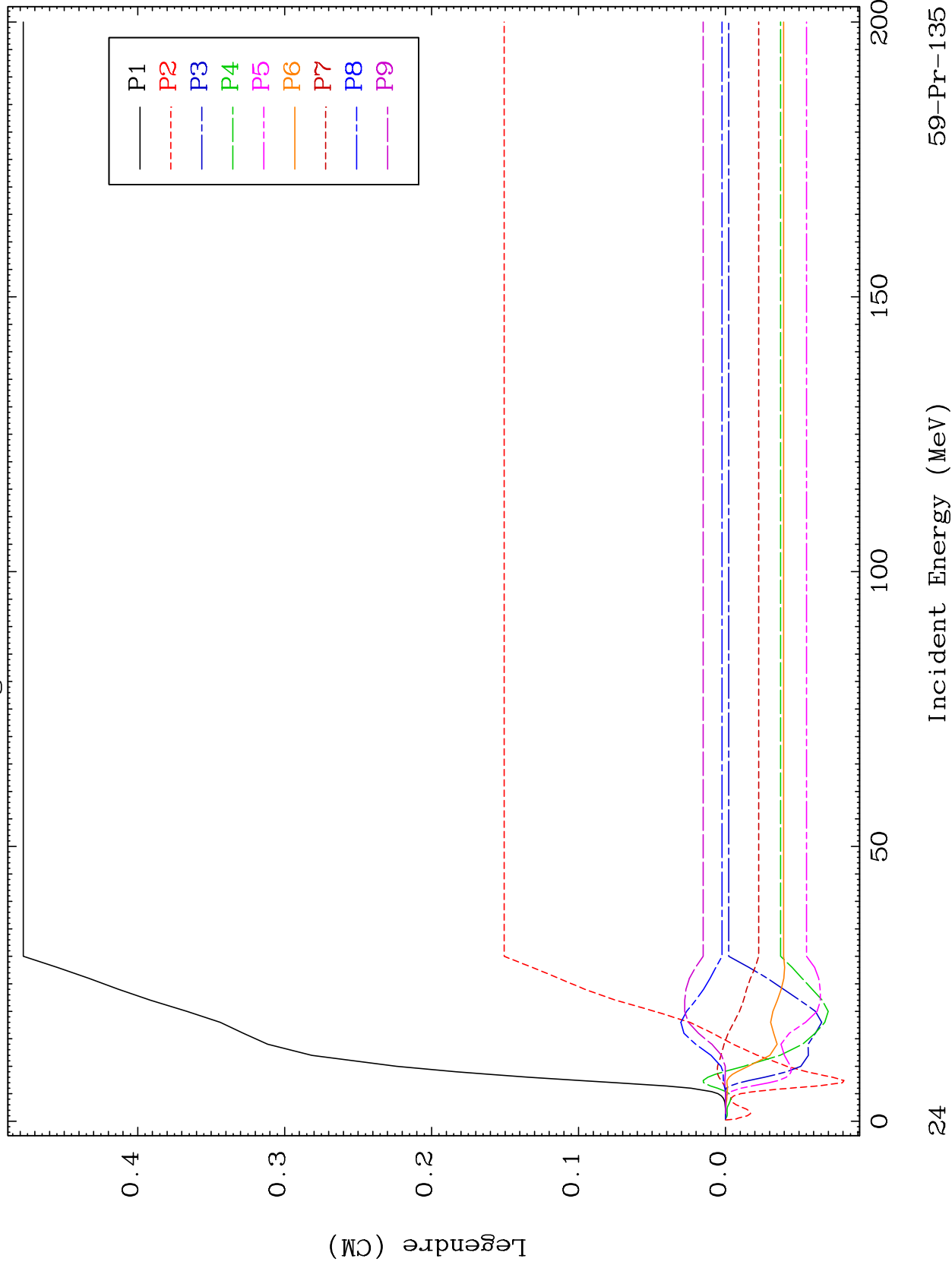
59-Pr-135



MAT 5907

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

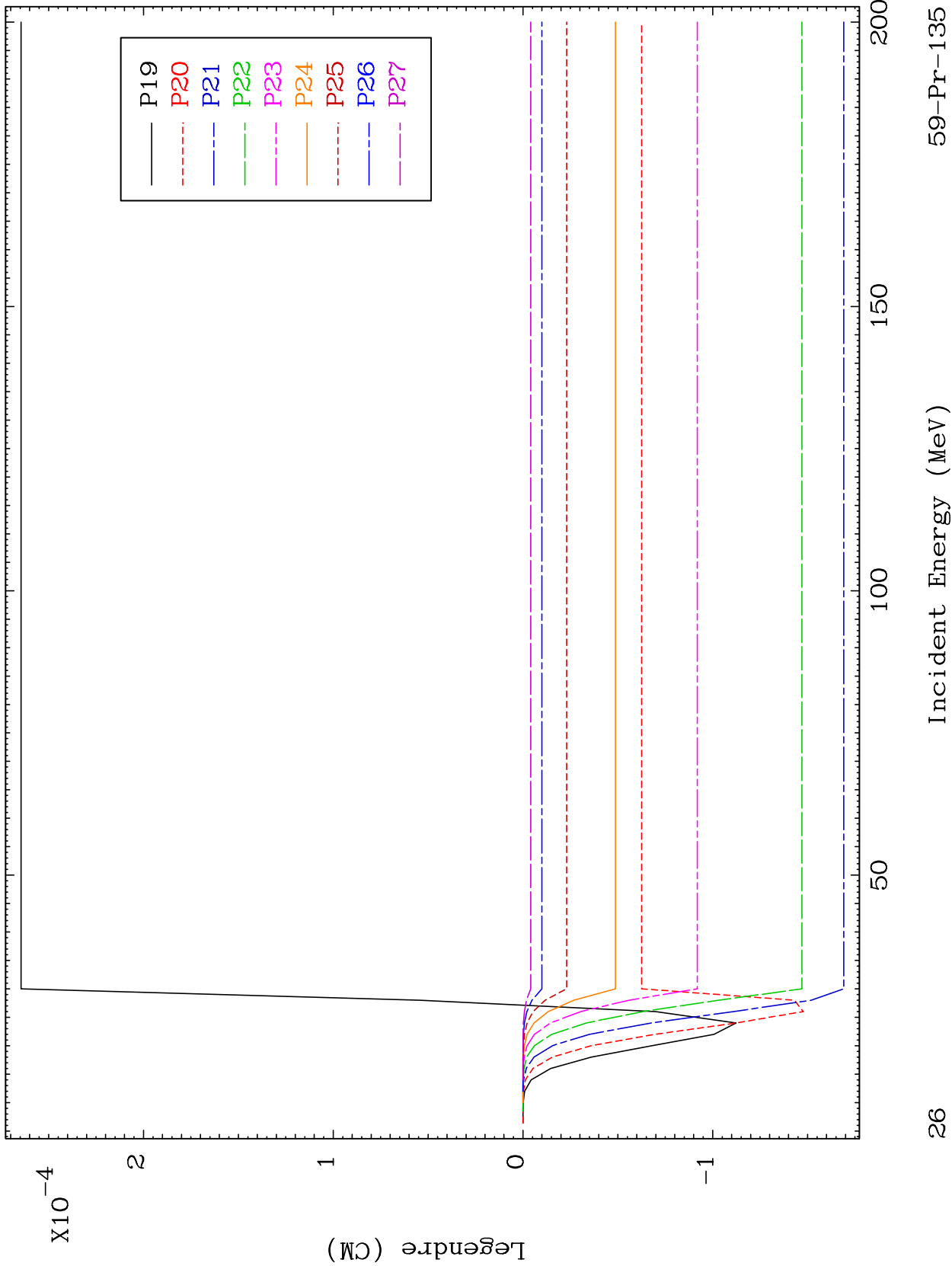
59-Pr-135



24

Incident Energy (MeV)

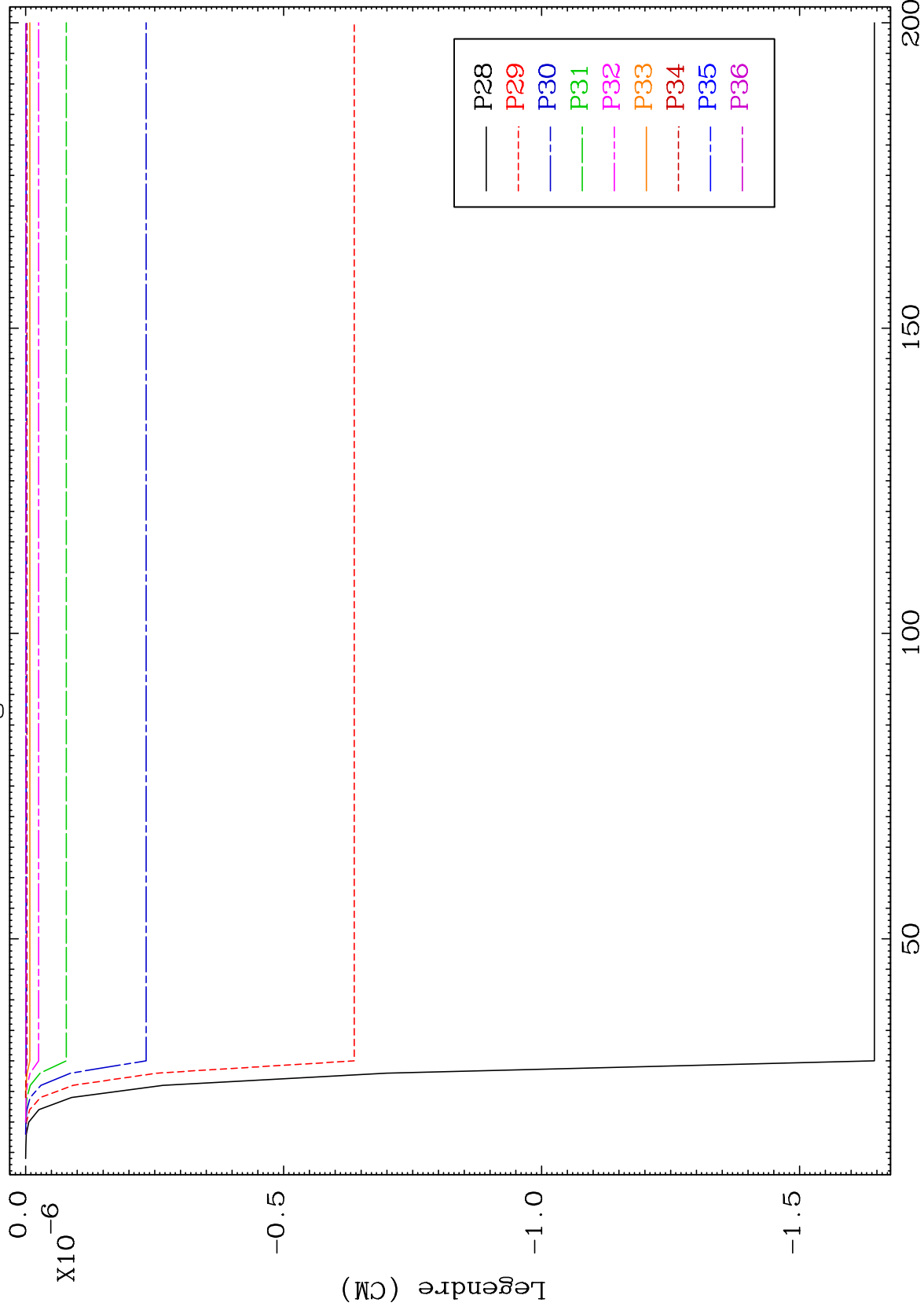
59-Pr-135



MAT 5907

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

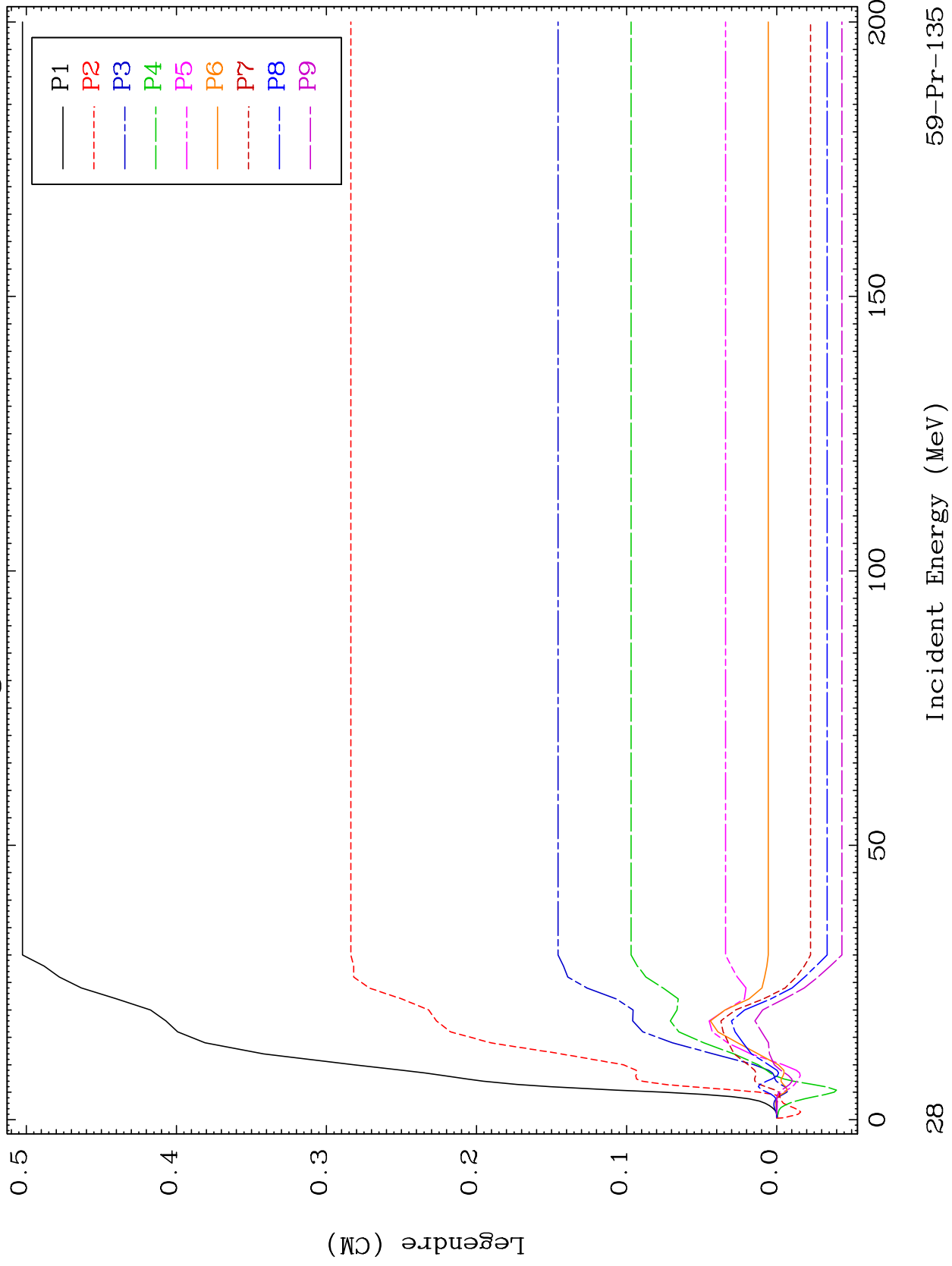
59-Pr-135



MAT 5907

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

59-Pr-135



59-Pr-135

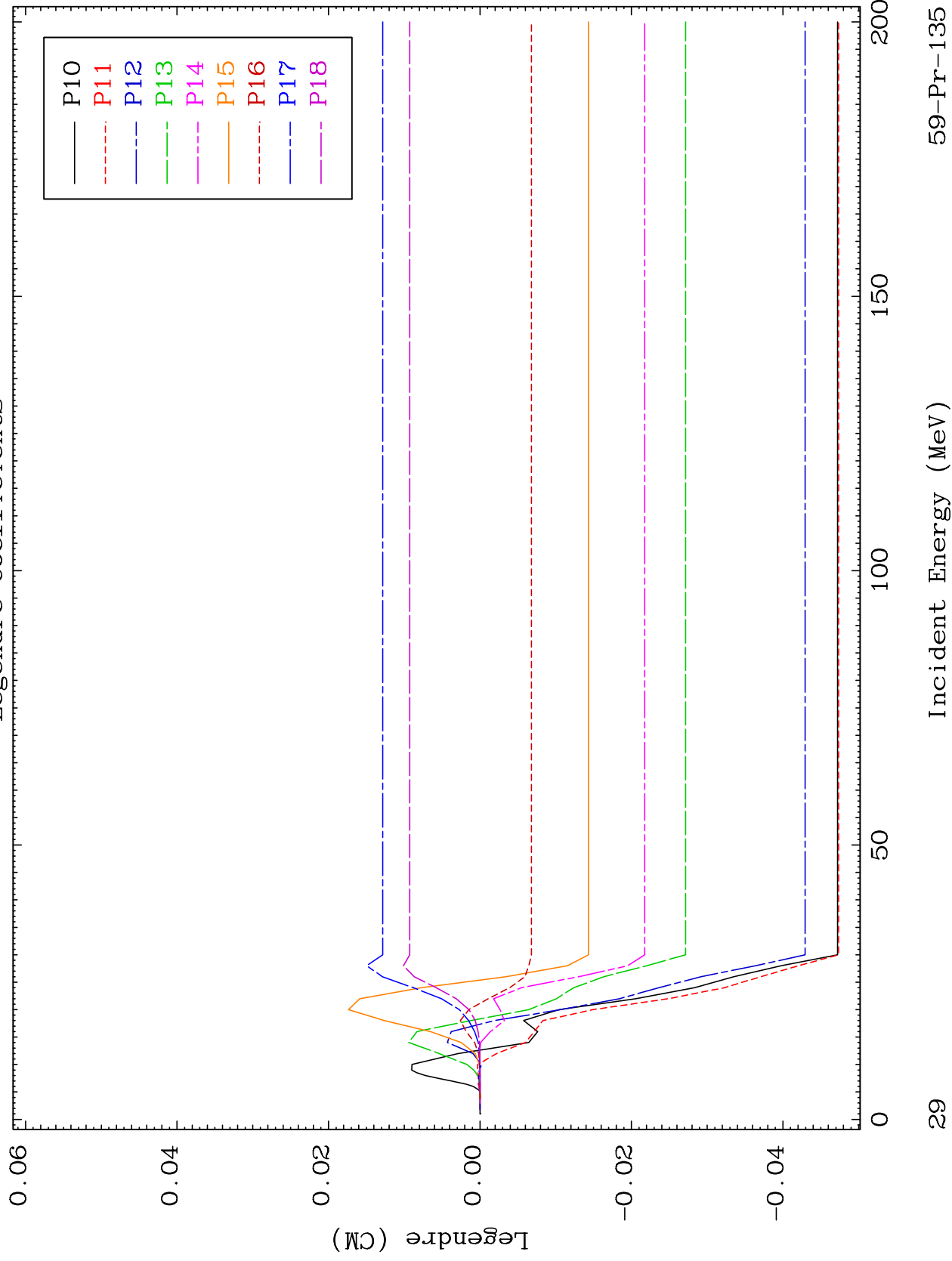
Incident Energy (MeV)

28

MAT 5907

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

59-Pr-135



29

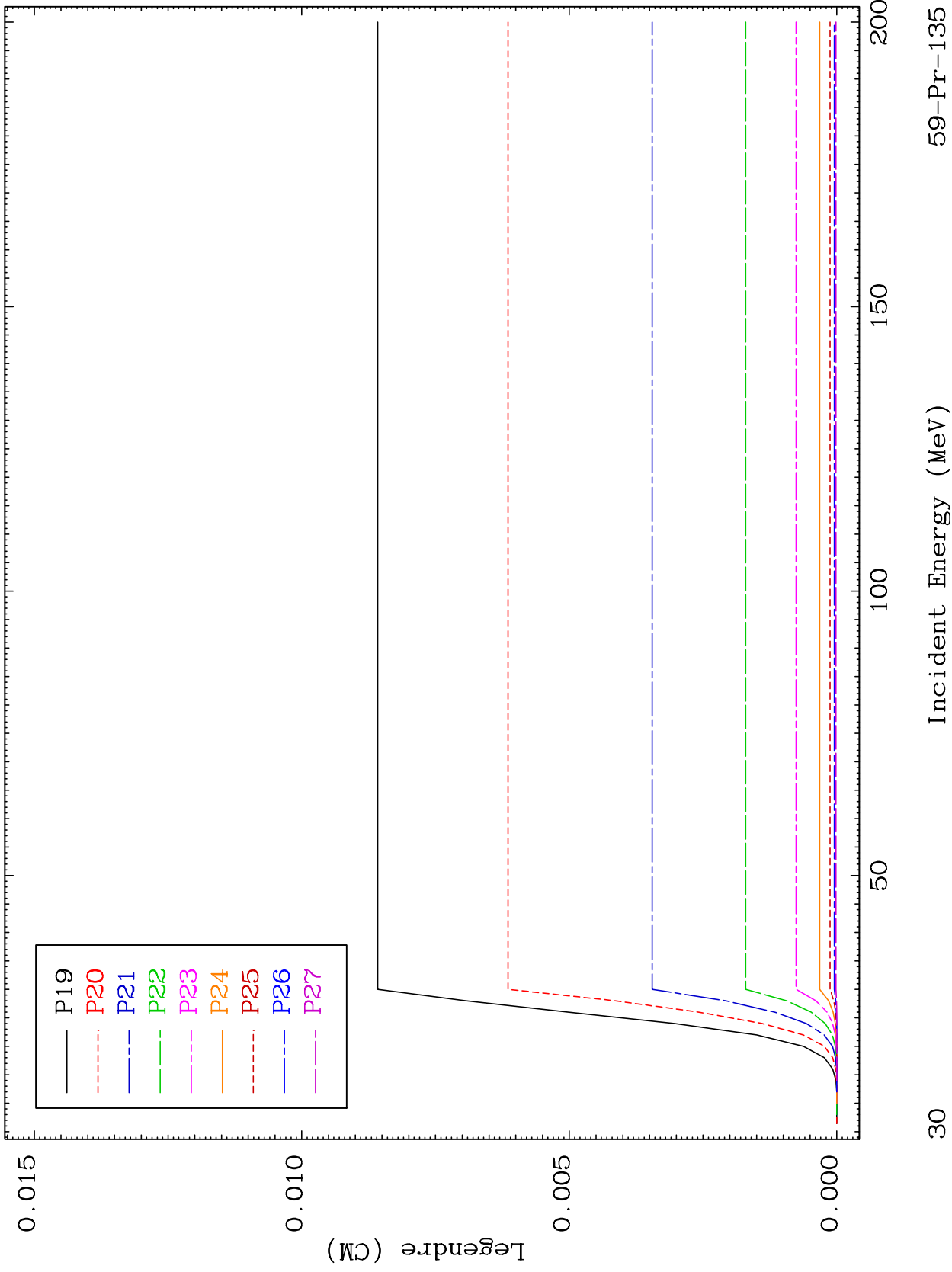
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

59-Pr-135



30

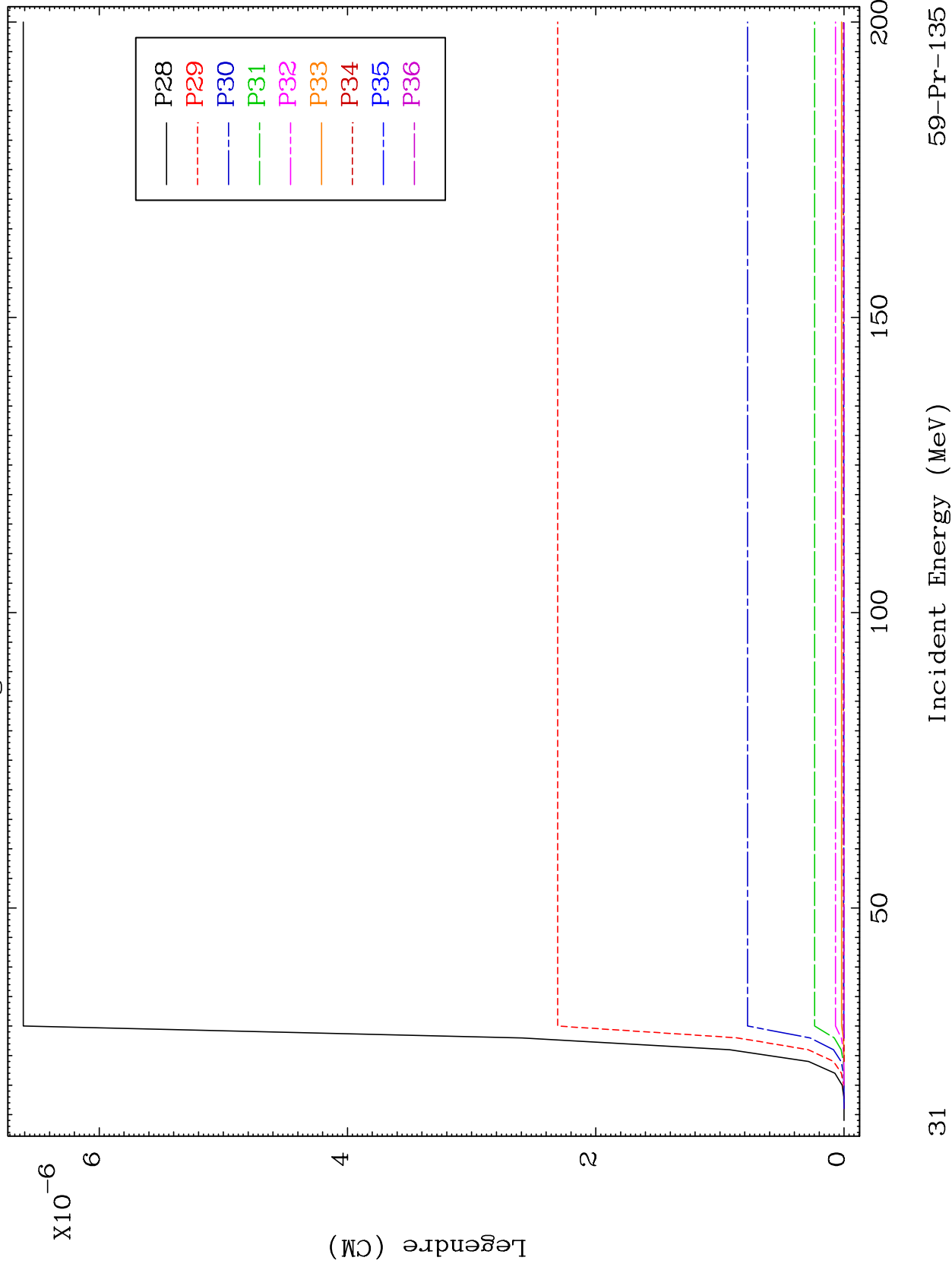
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

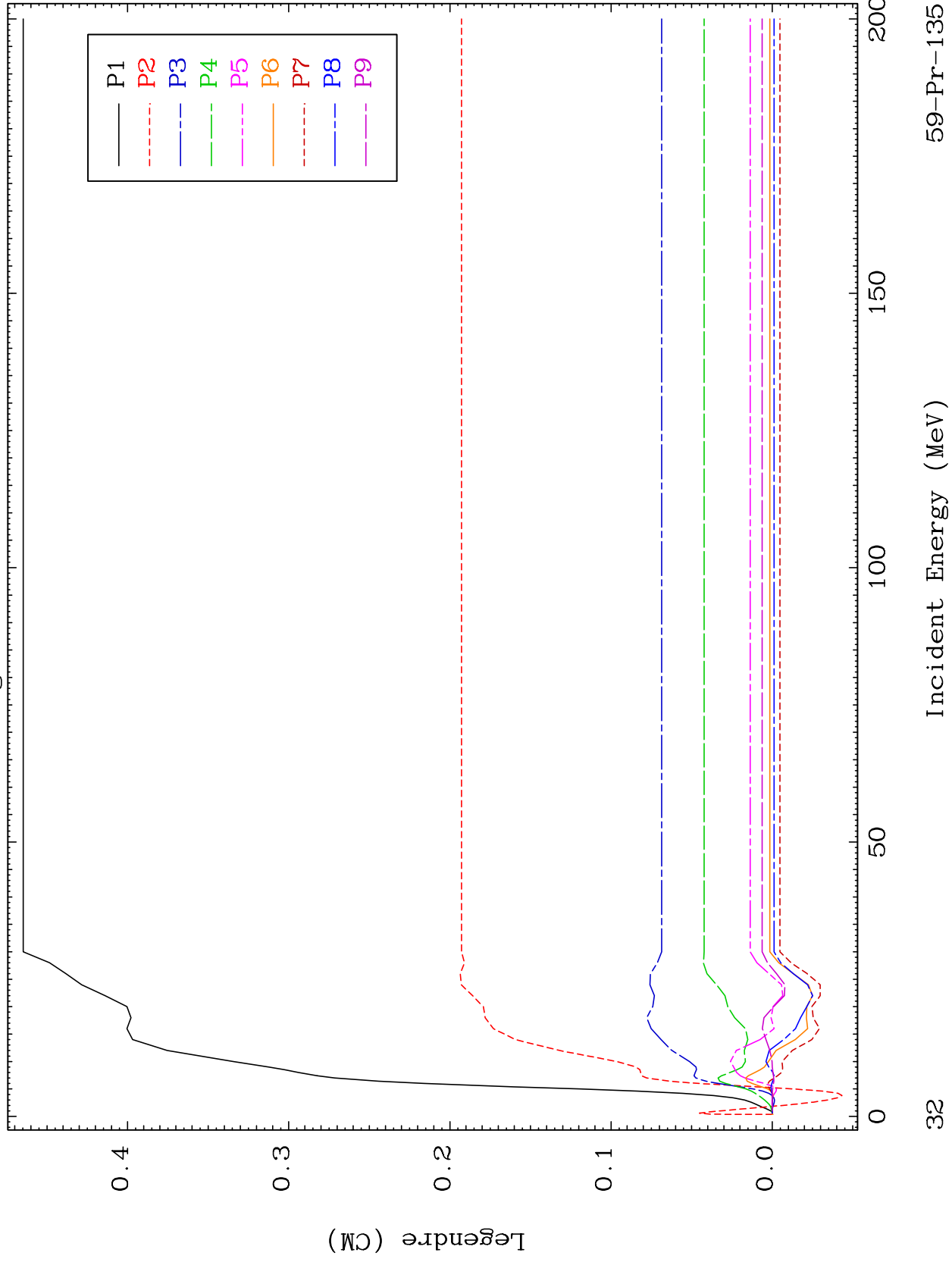
59-Pr-135



MAT 5907

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

59-Pr-135



59-Pr-135

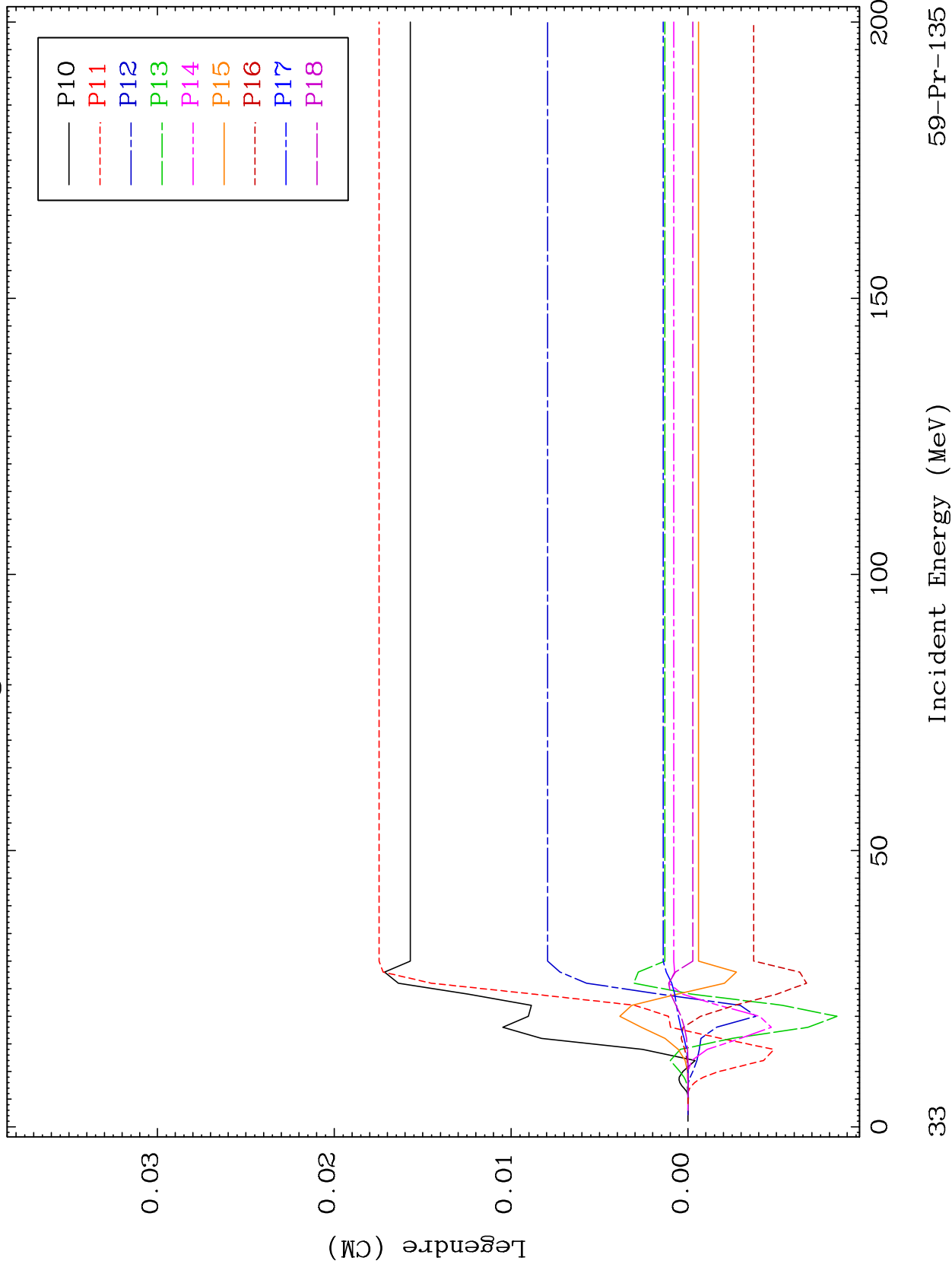
Incident Energy (MeV)

32

MAT 5907

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

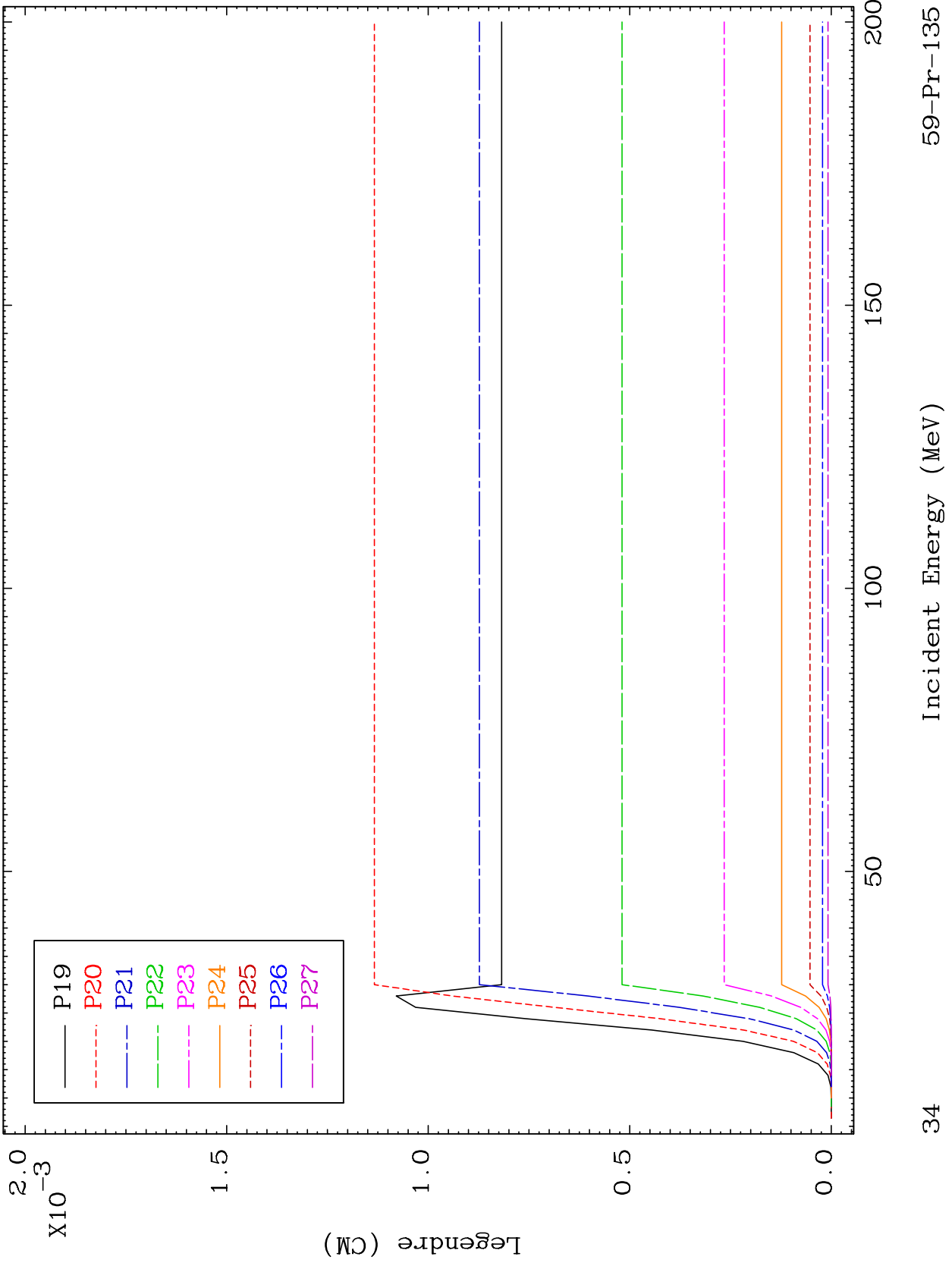
59-Pr-135



33

Incident Energy (MeV)

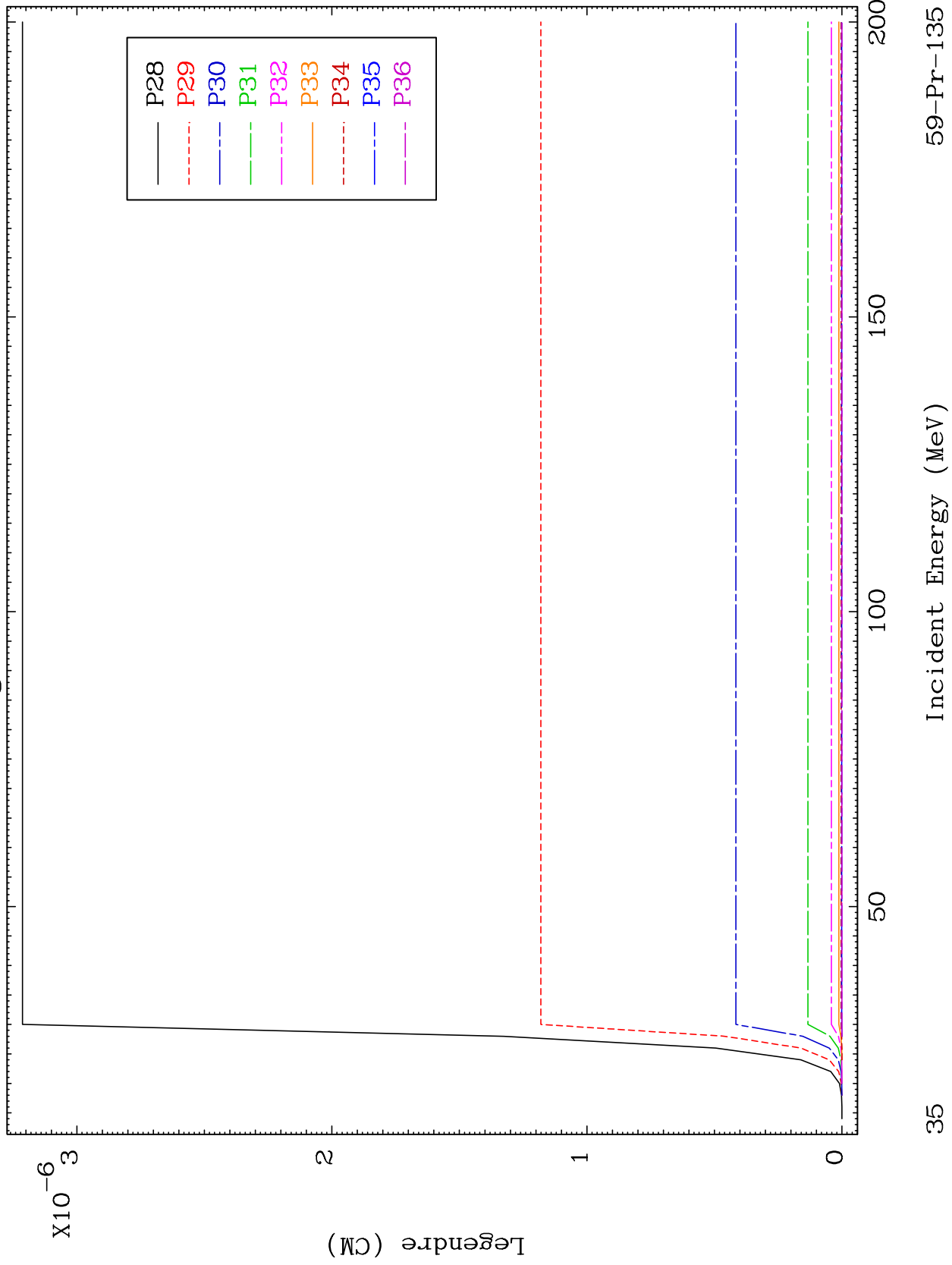
59-Pr-135



MAT 5907

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

59-Pr-135



35

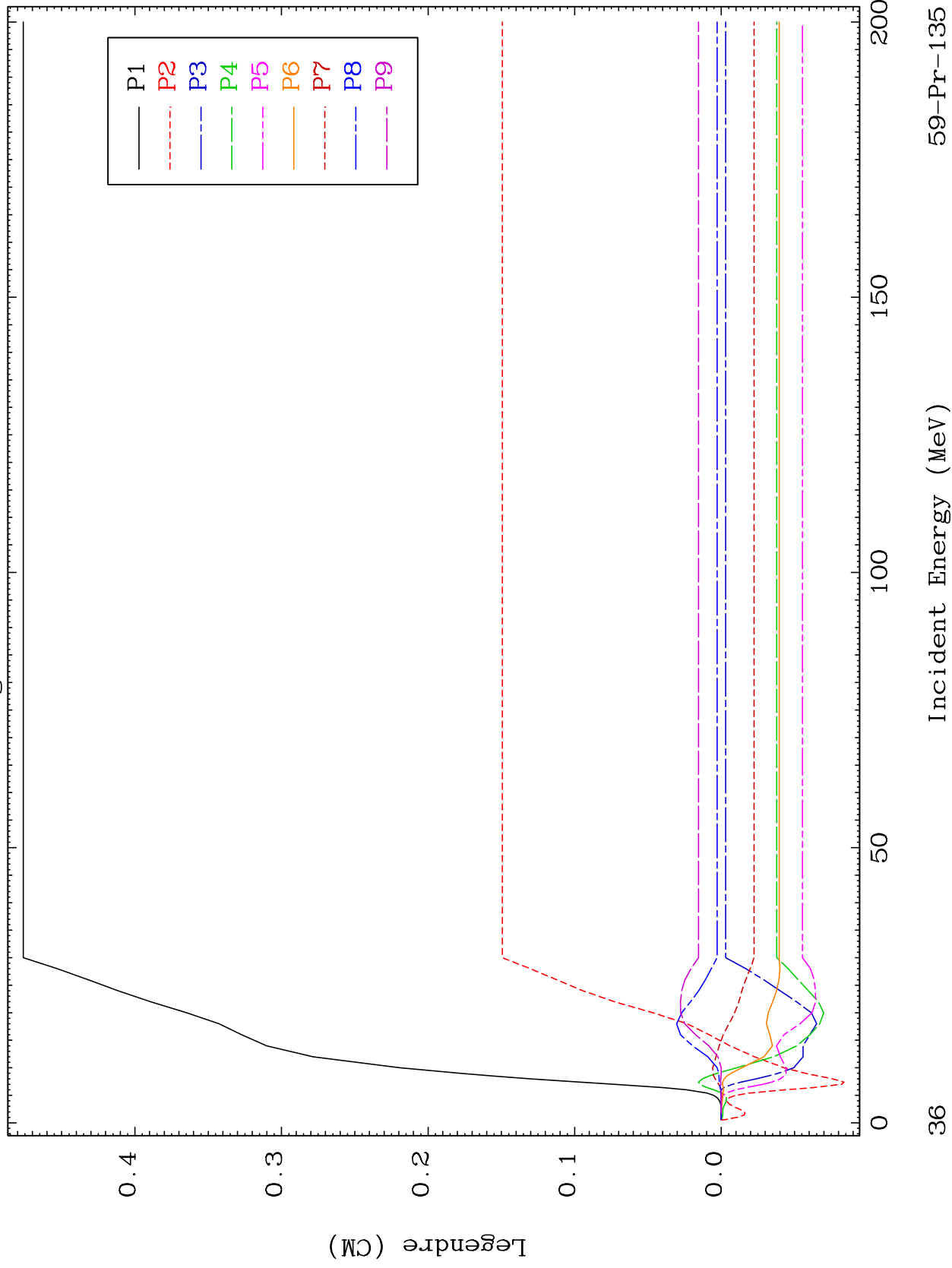
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

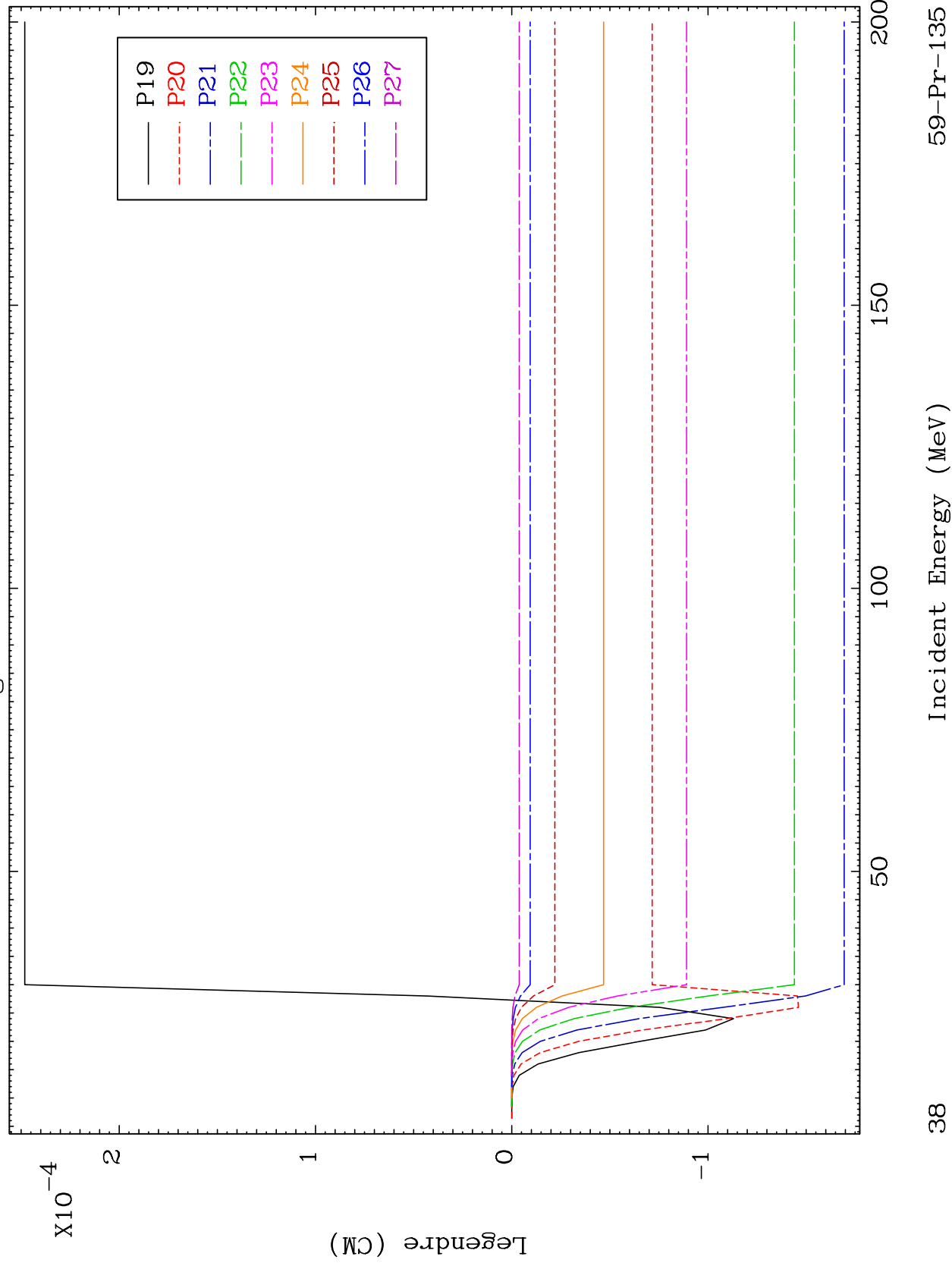
59-Pr-135



59-Pr-135

Incident Energy (MeV)

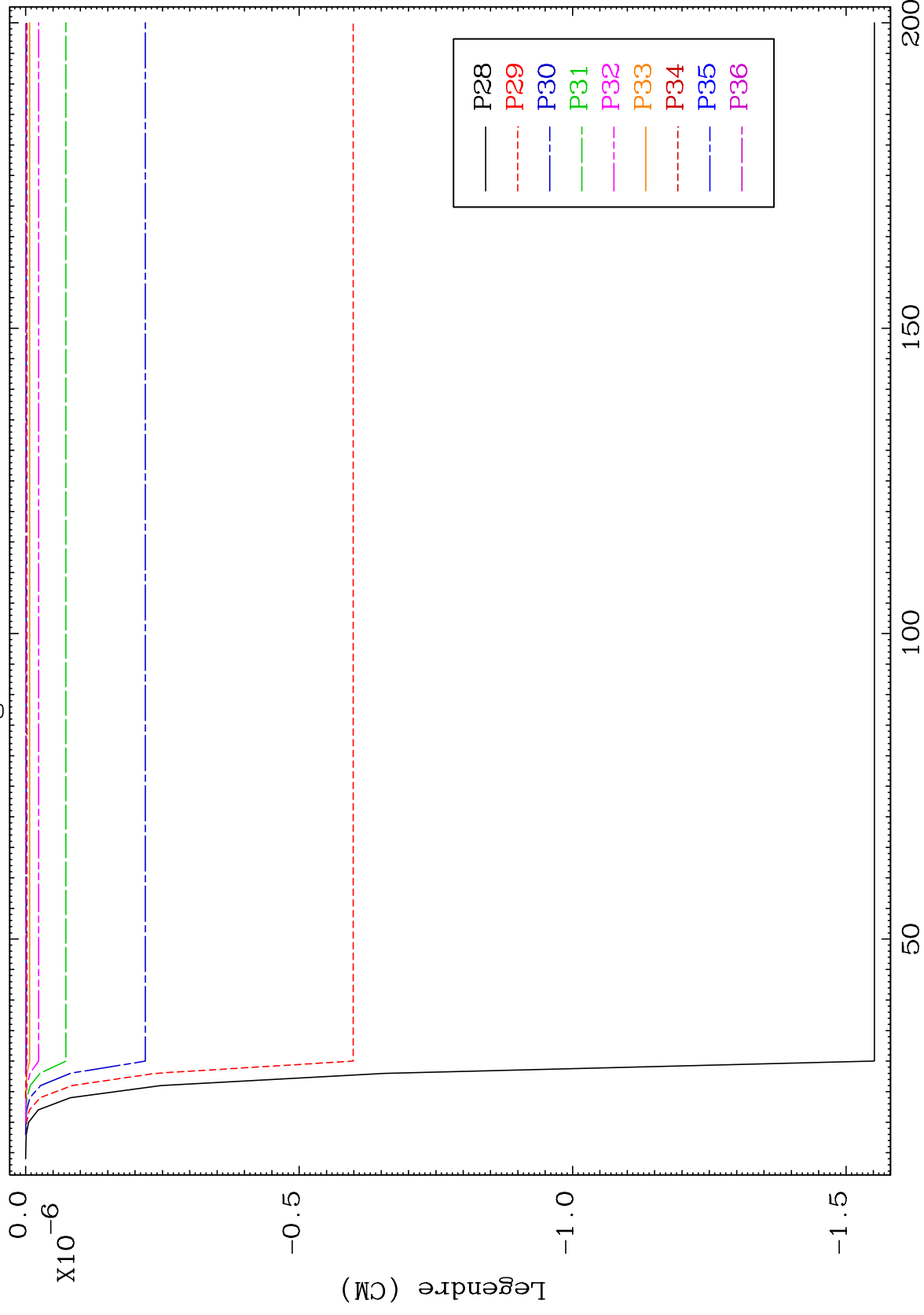
36



MAT 5907

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

59-Pr-135



39

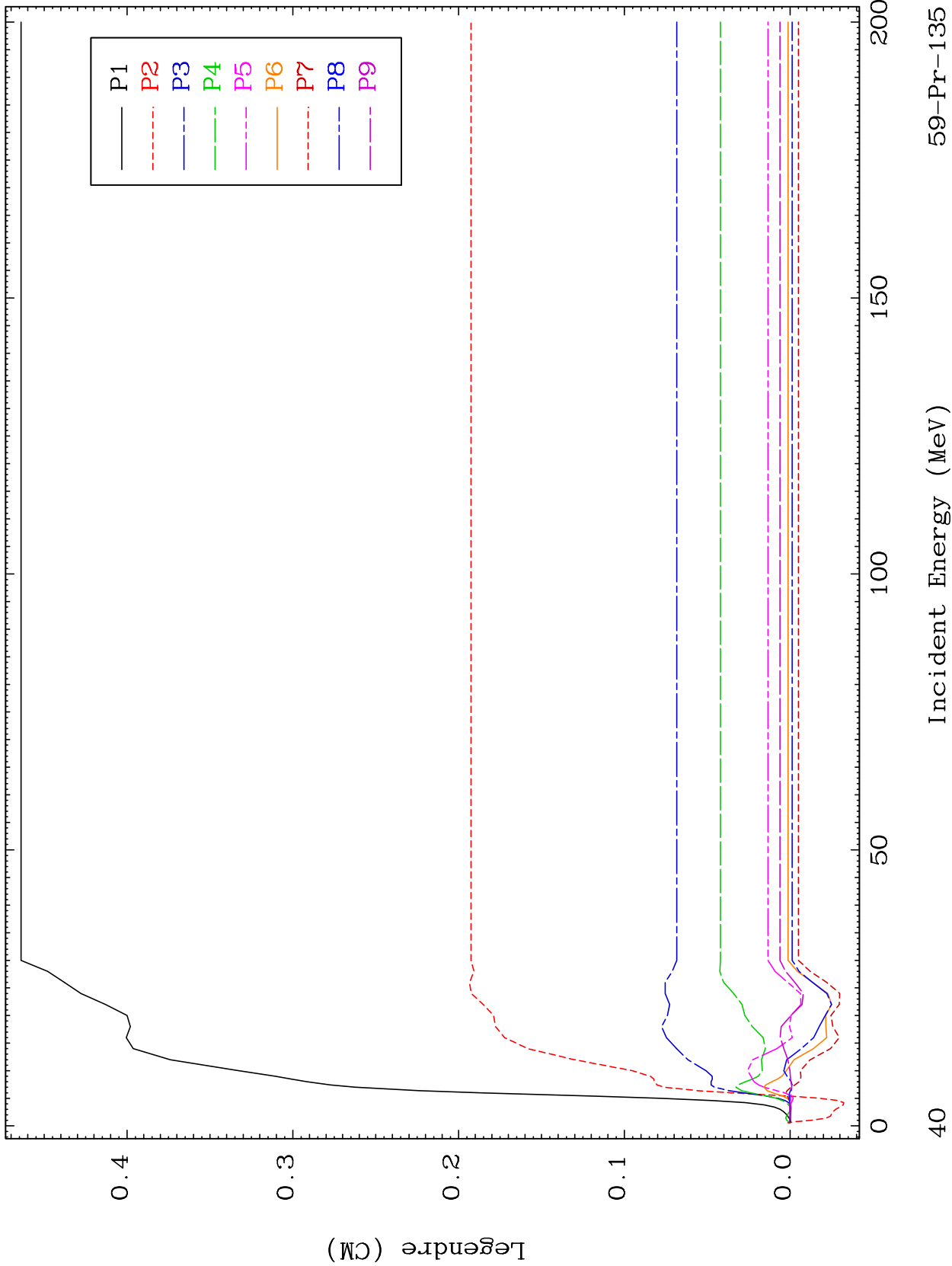
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

59-Pr-135



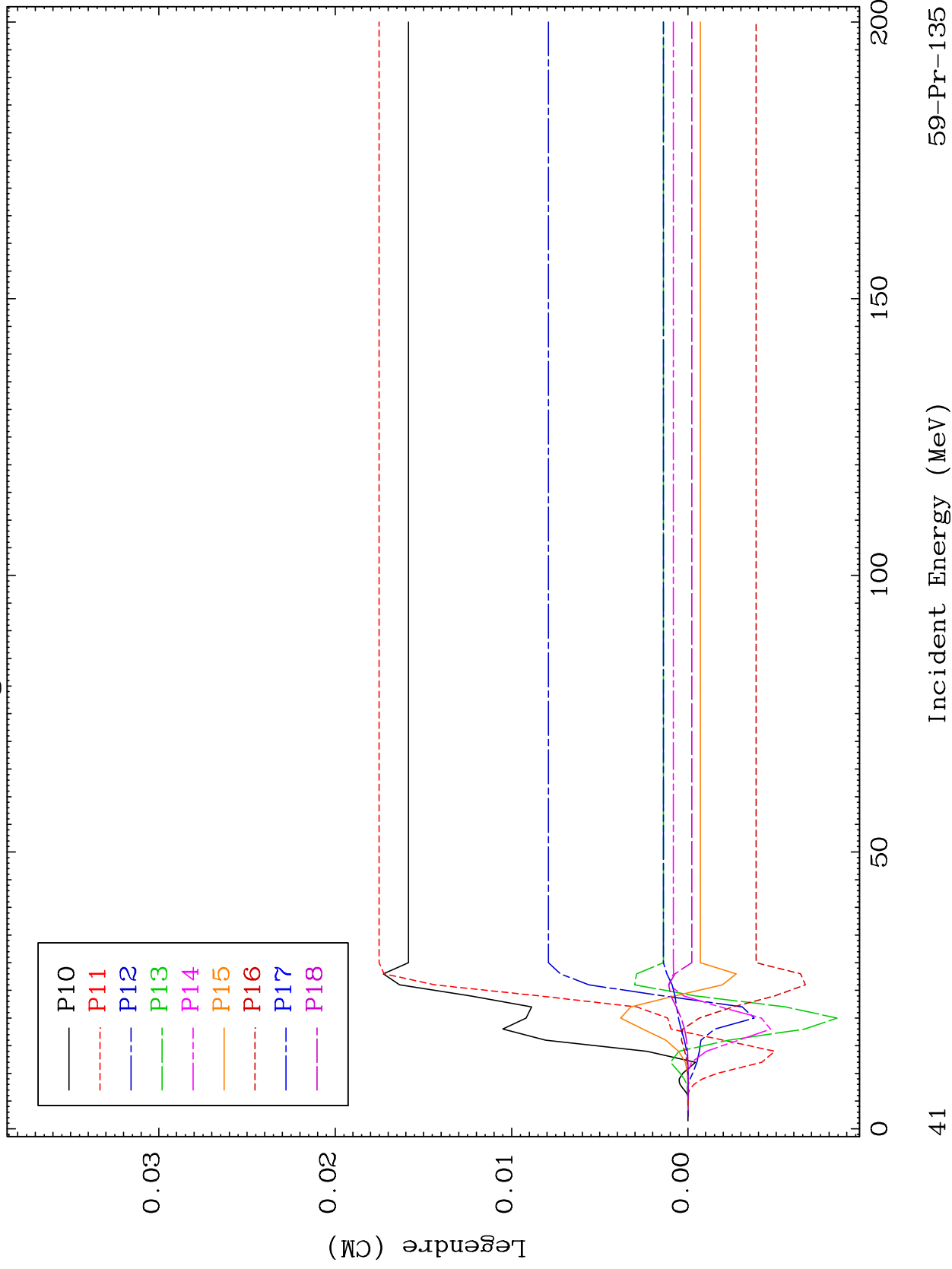
59-Pr-135

Incident Energy (MeV)

MAT 5907

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

59-Pr-135



41

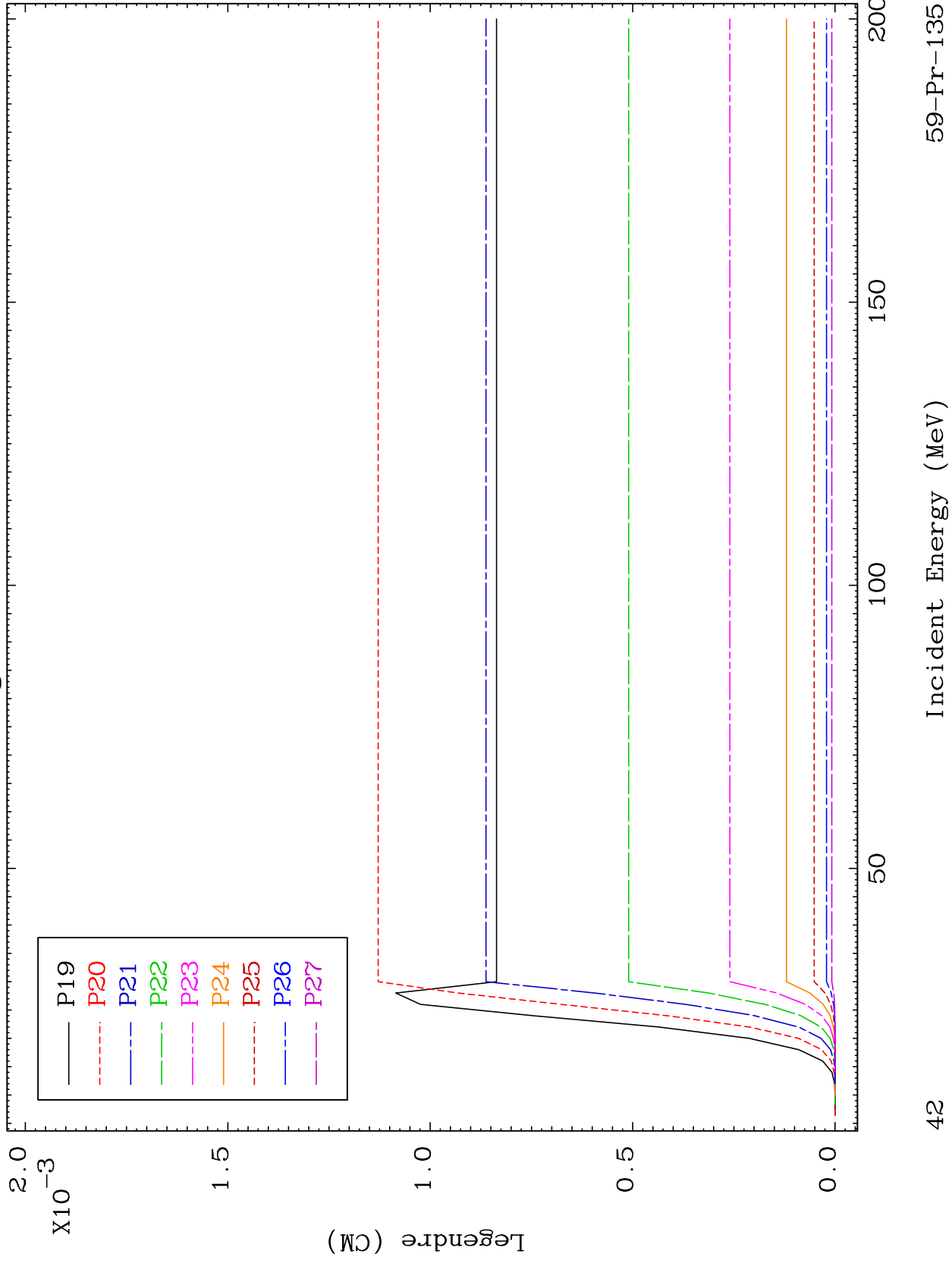
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

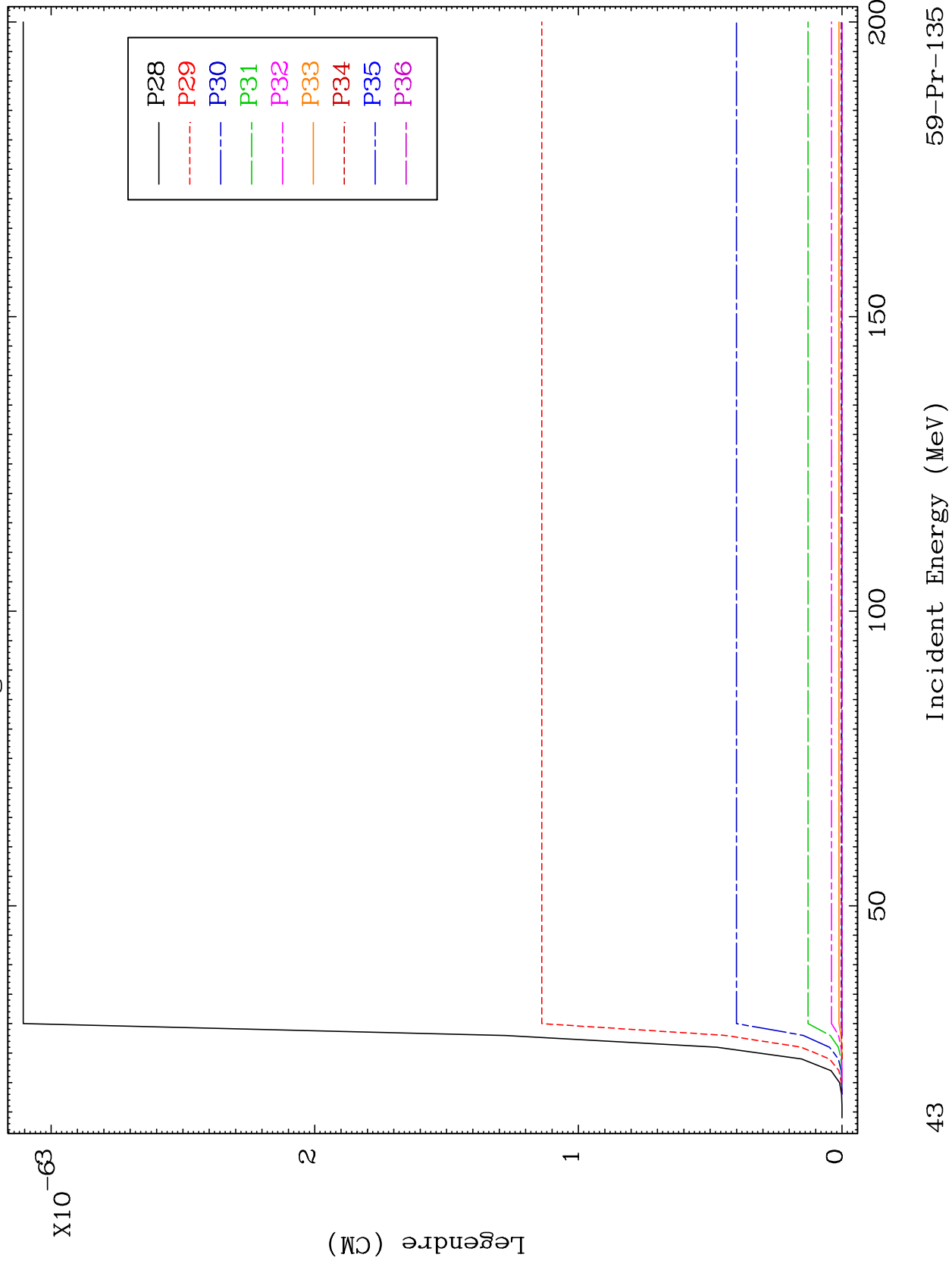
59-Pr-135



MAT 5907

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

59-Pr-135



43

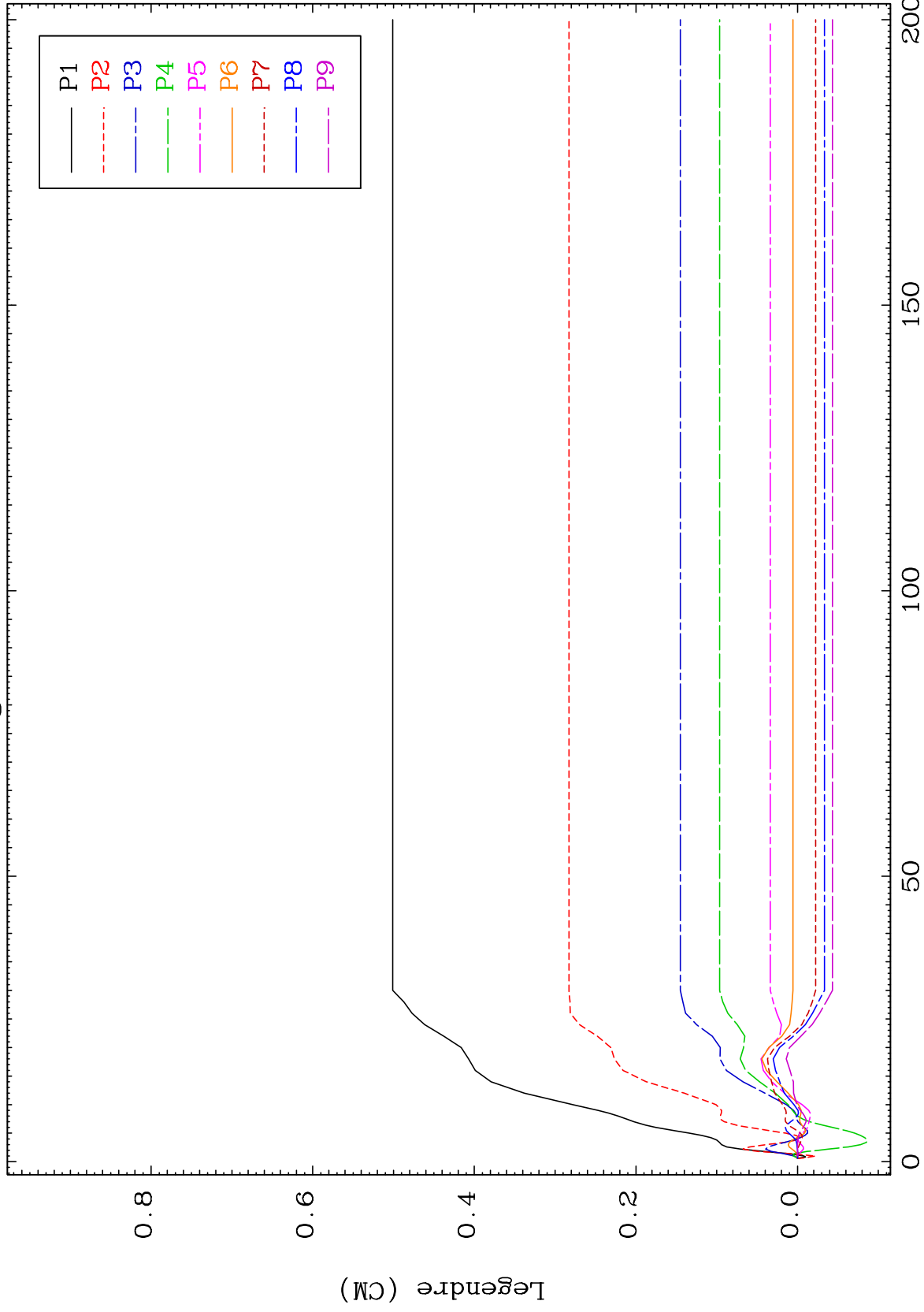
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

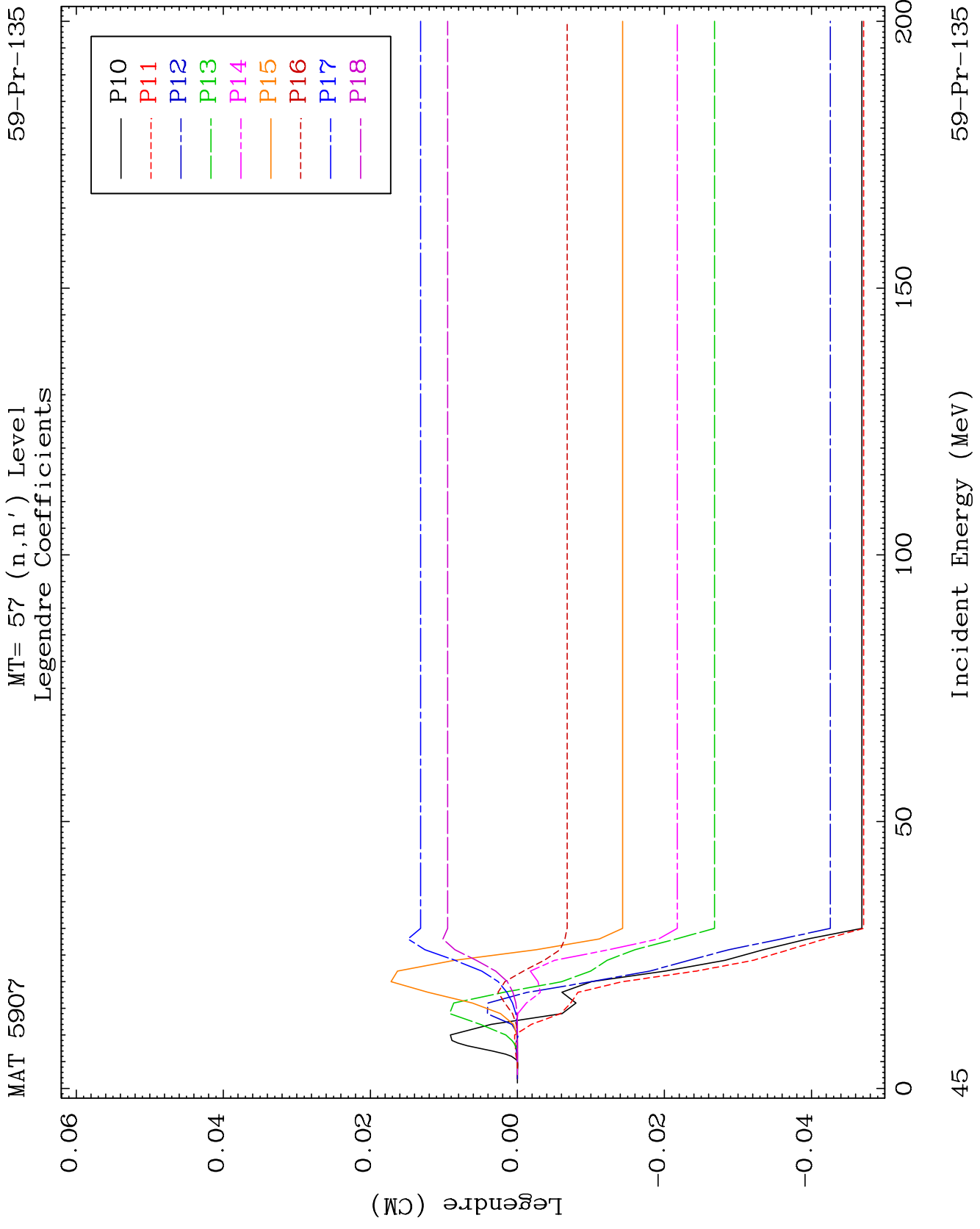
59-Pr-135



44

Incident Energy (MeV)

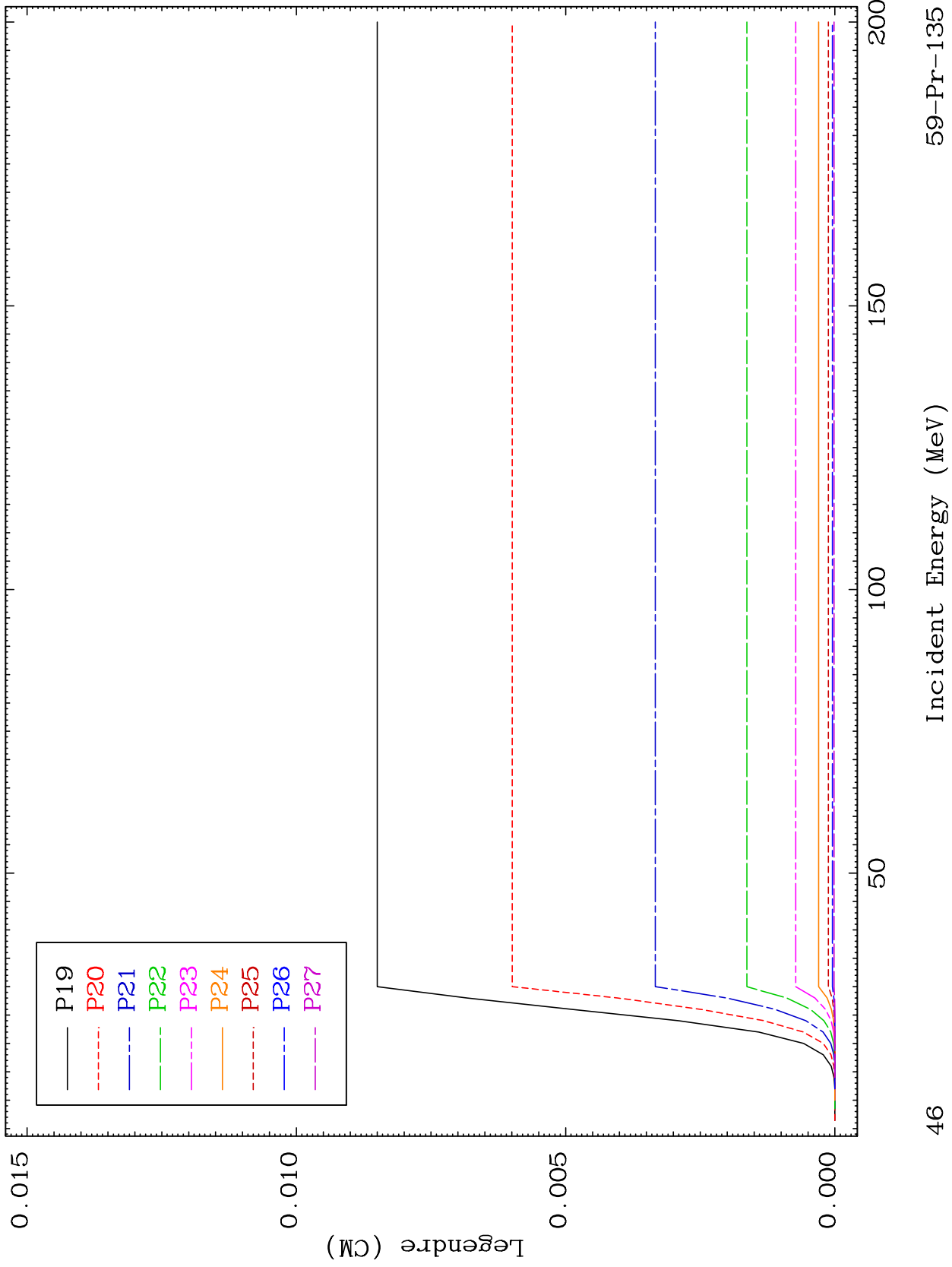
59-Pr-135



MAT 5907

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

59-Pr-135



46

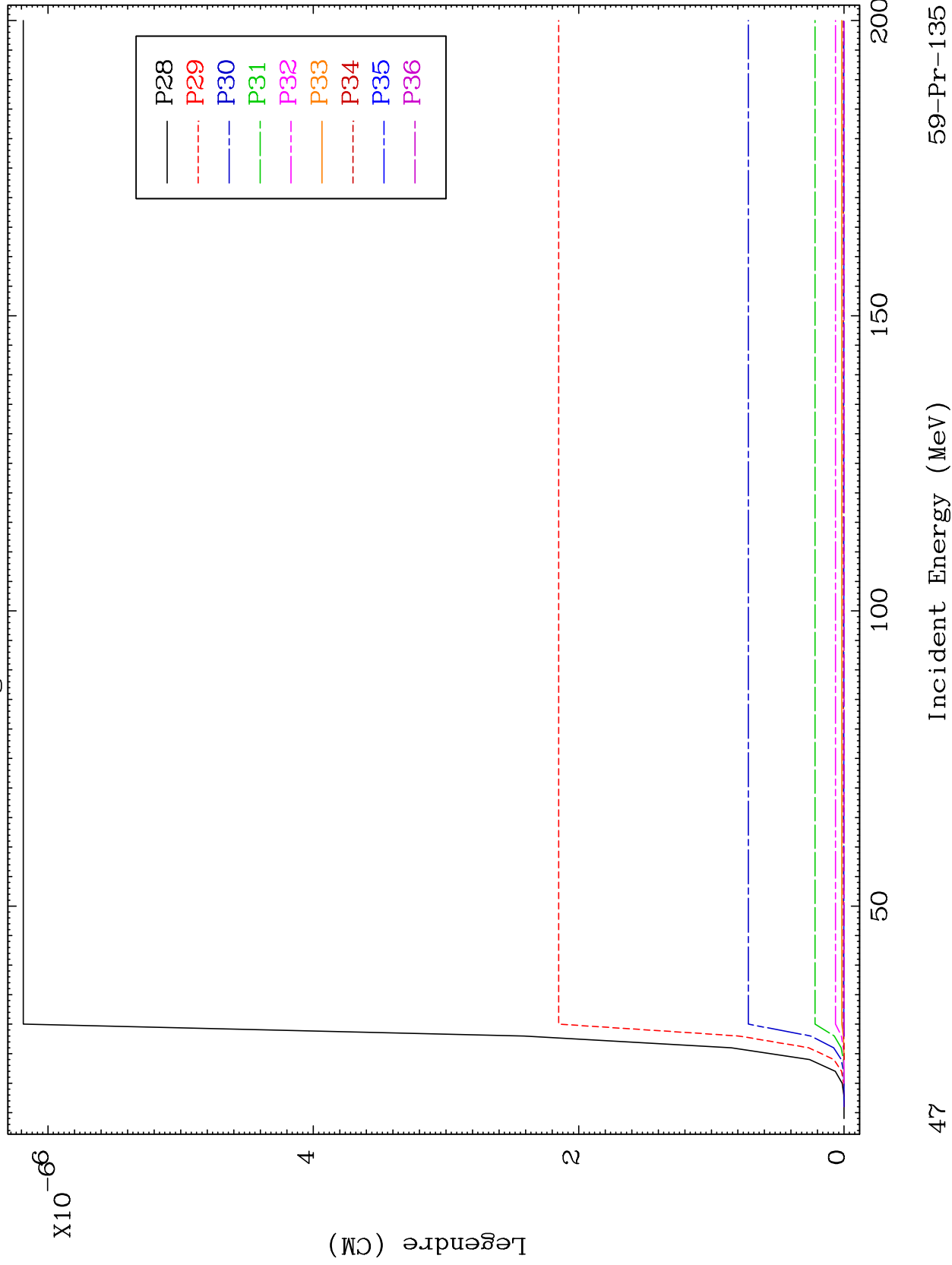
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

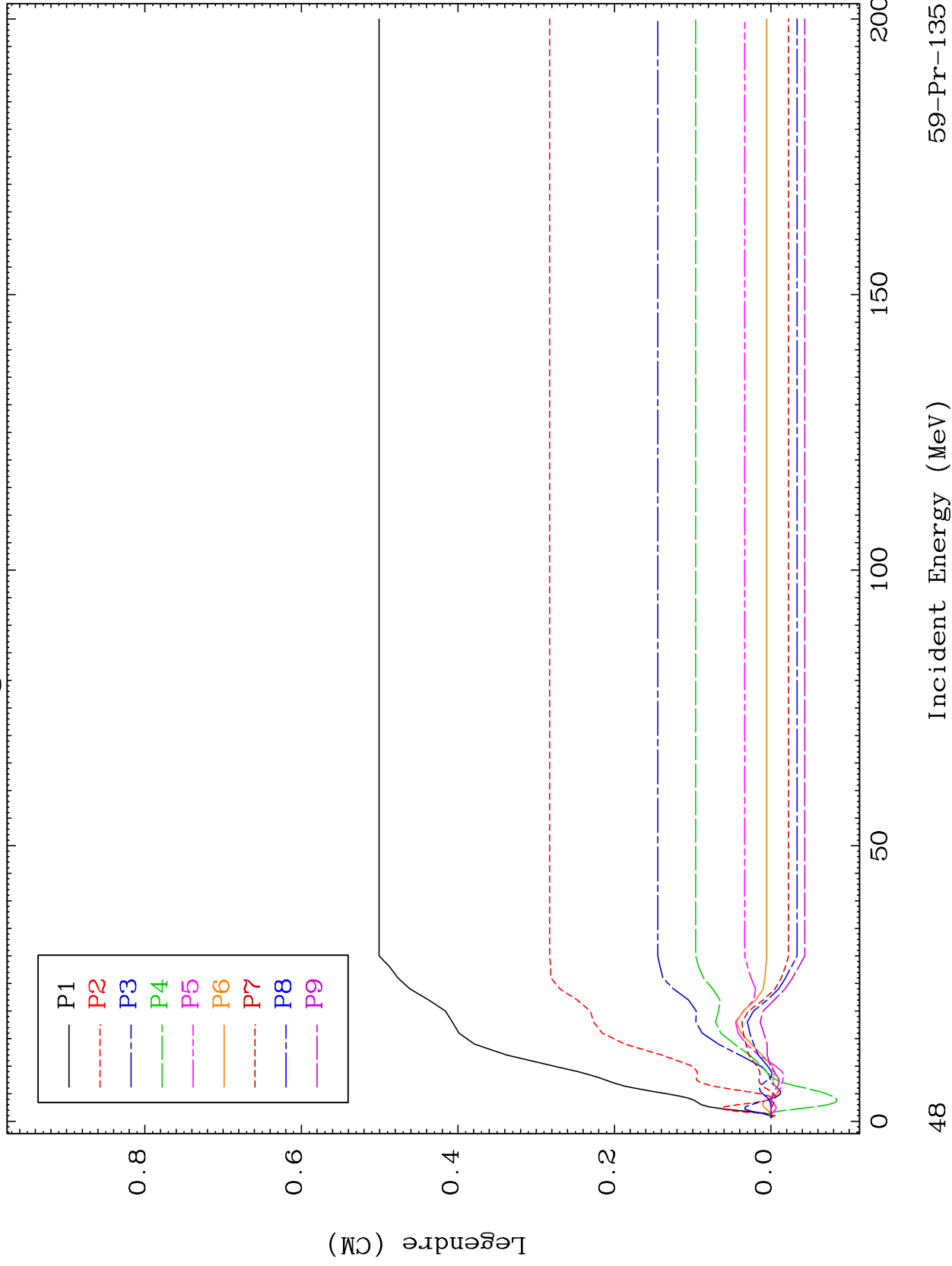
59-Pr-135



MAT 5907

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

59-Pr-135



59-Pr-135

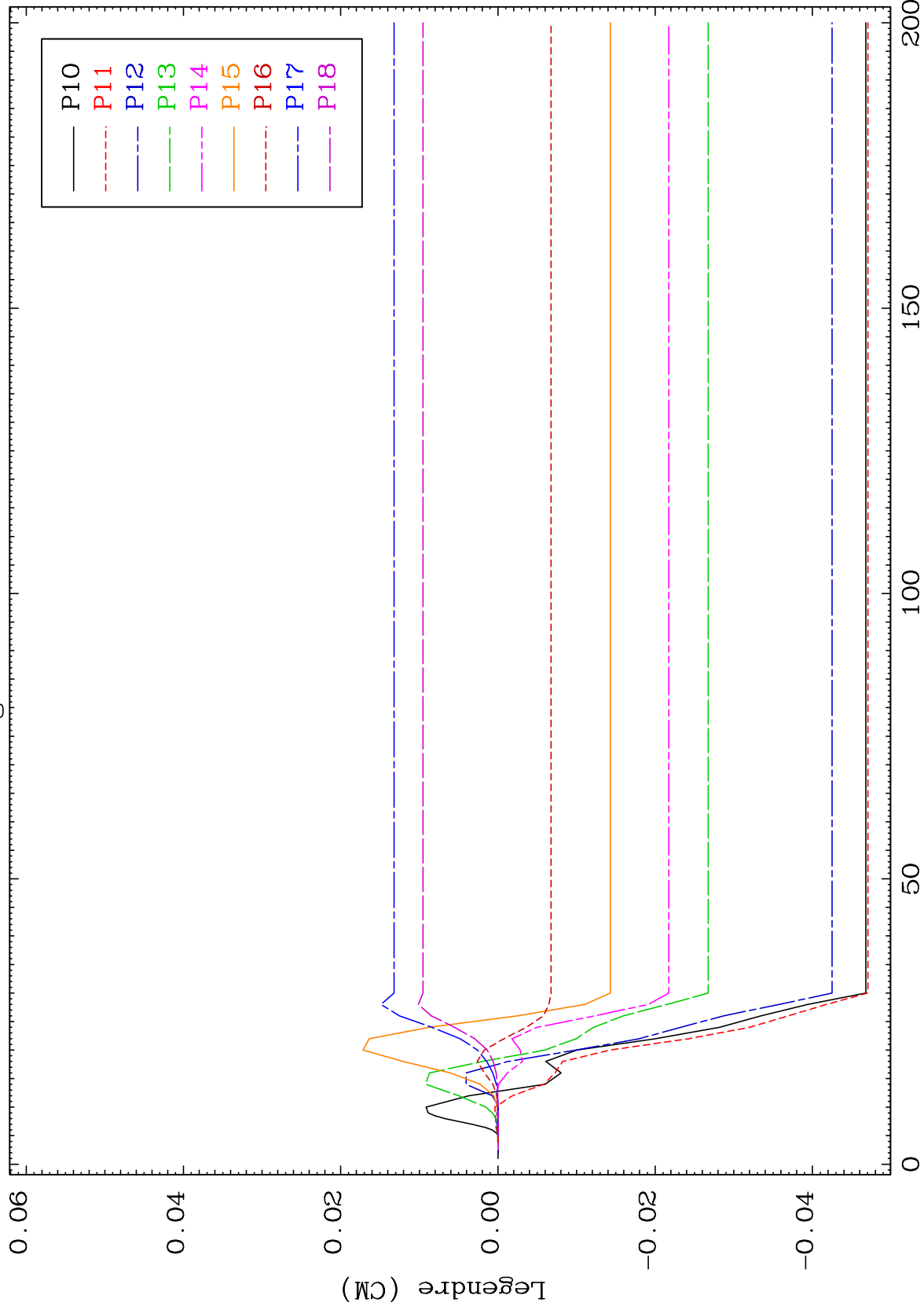
Incident Energy (MeV)

48

MAT 5907

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

59-Pr-135



49

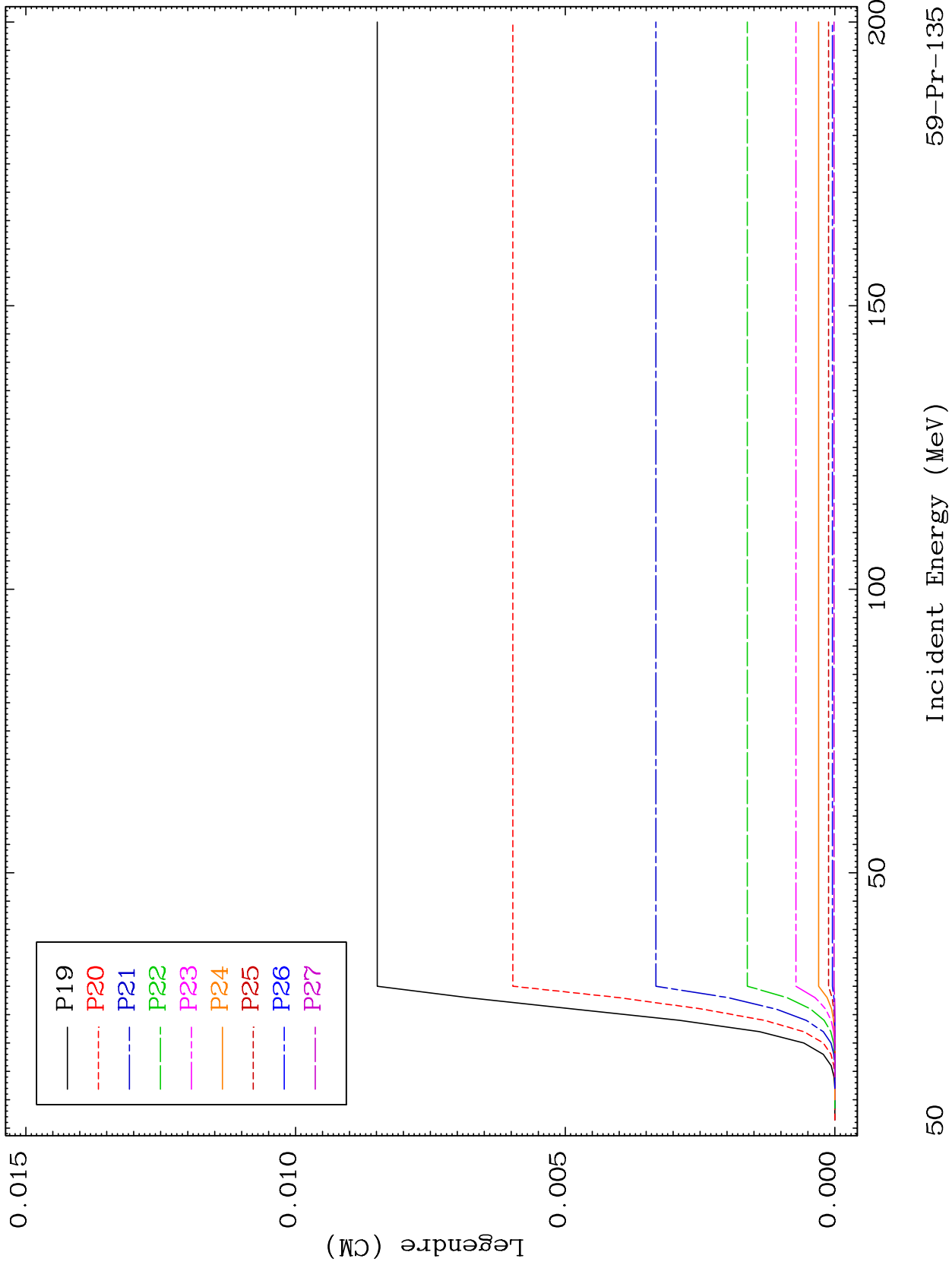
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

59-Pr-135



59-Pr-135

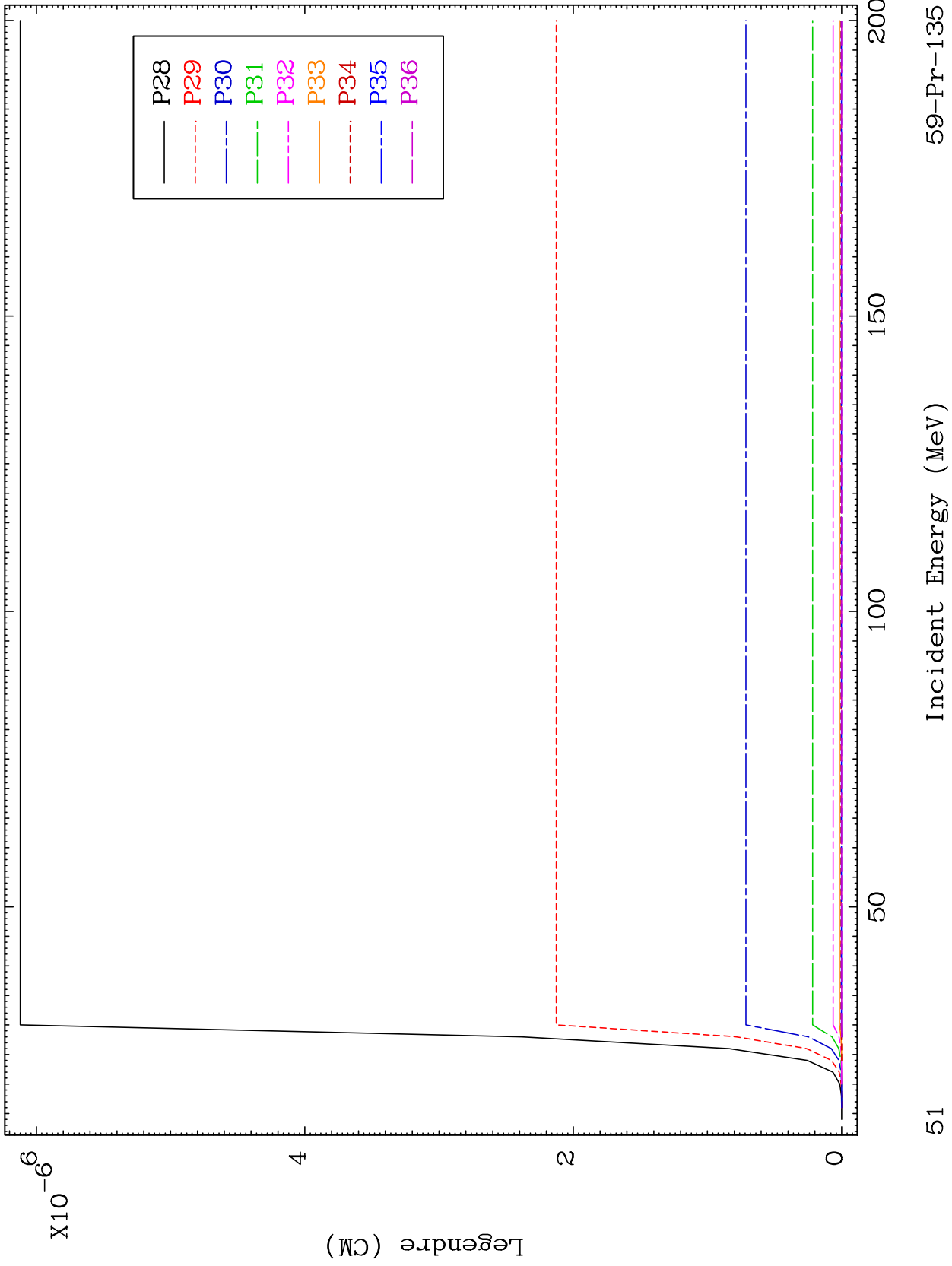
Incident Energy (MeV)

50

MAT 5907

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

59-Pr-135



51

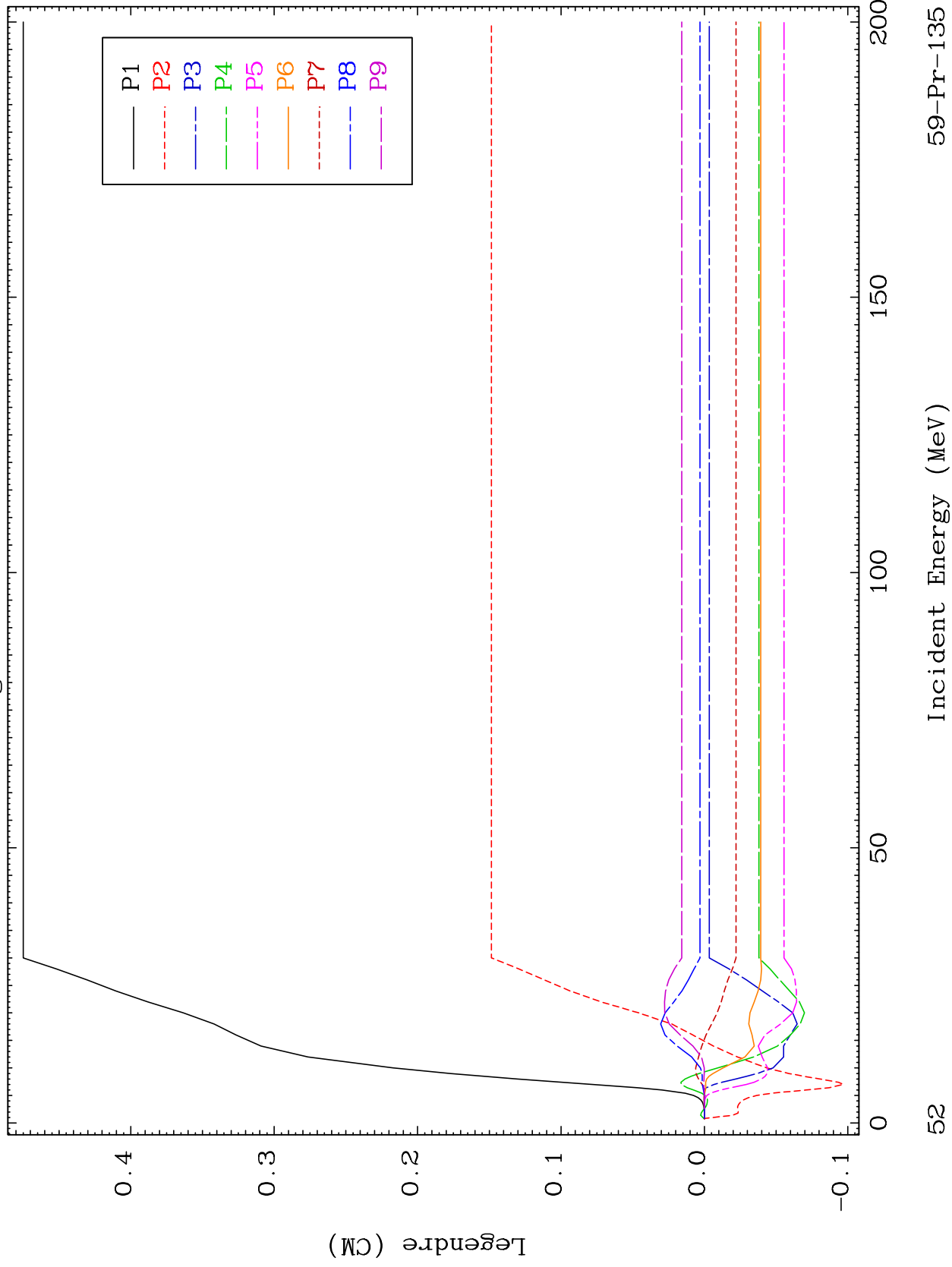
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

59-Pr-135



59-Pr-135

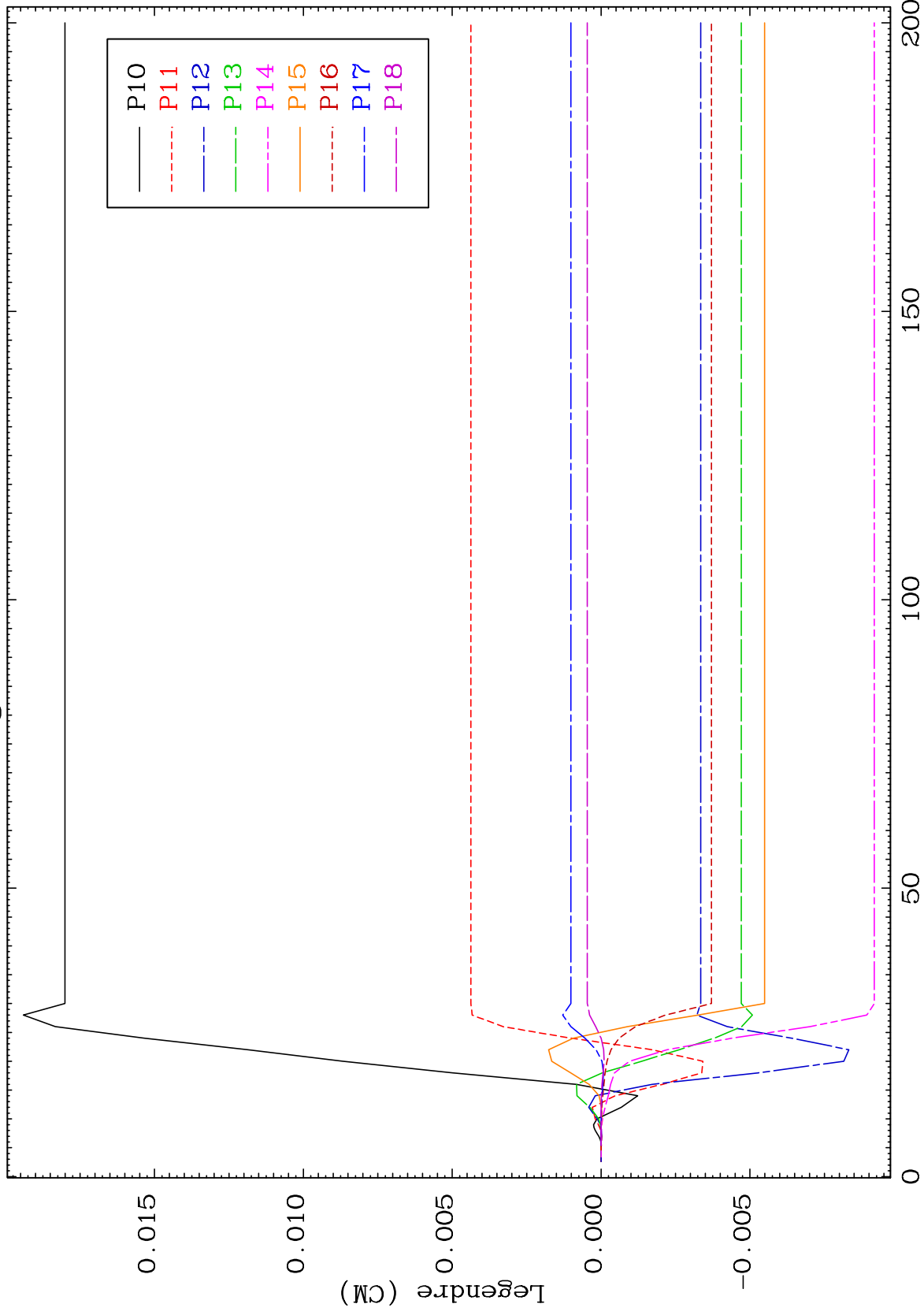
Incident Energy (MeV)

52

MAT 5907

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

59-Pr-135



53

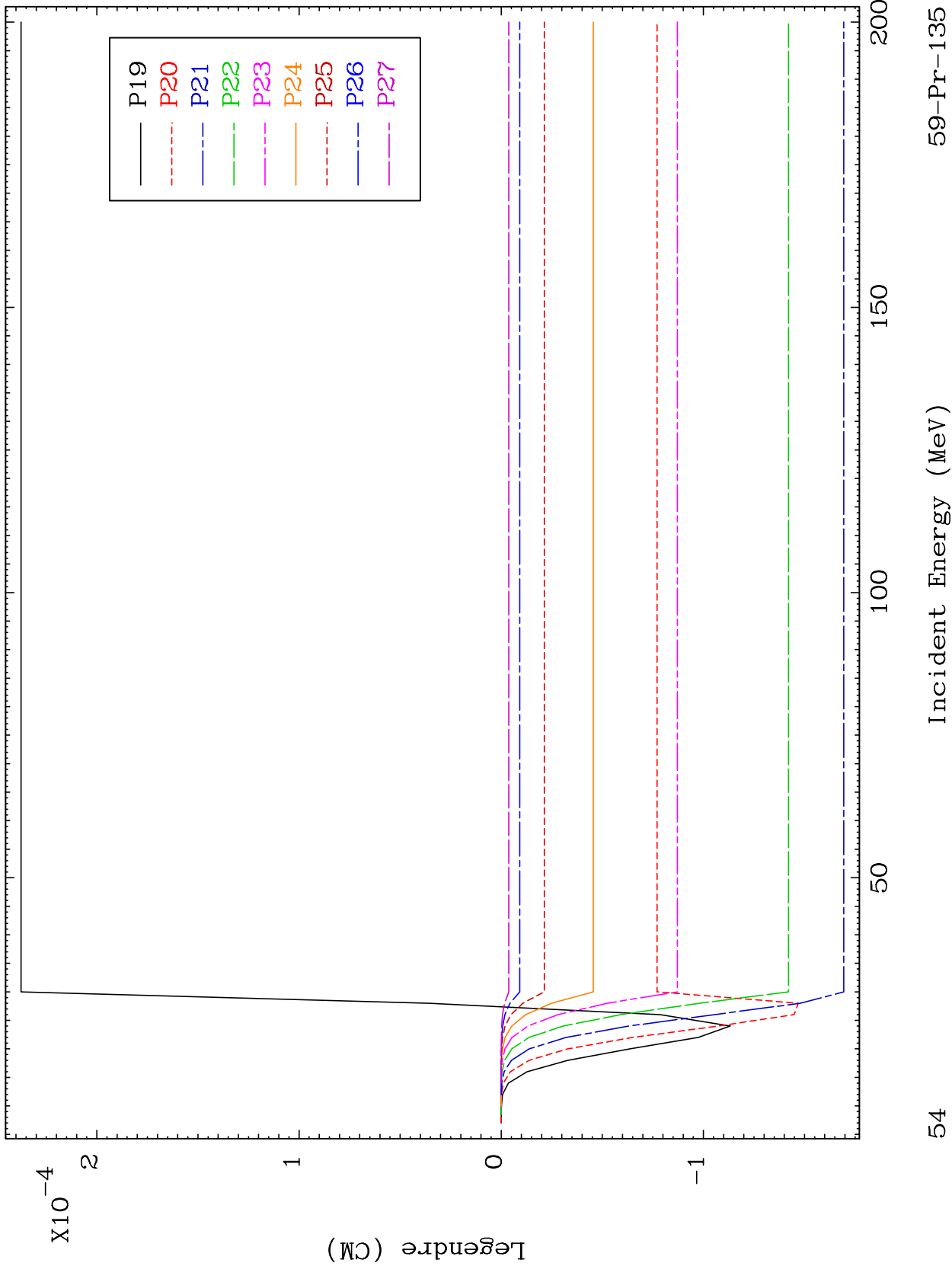
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

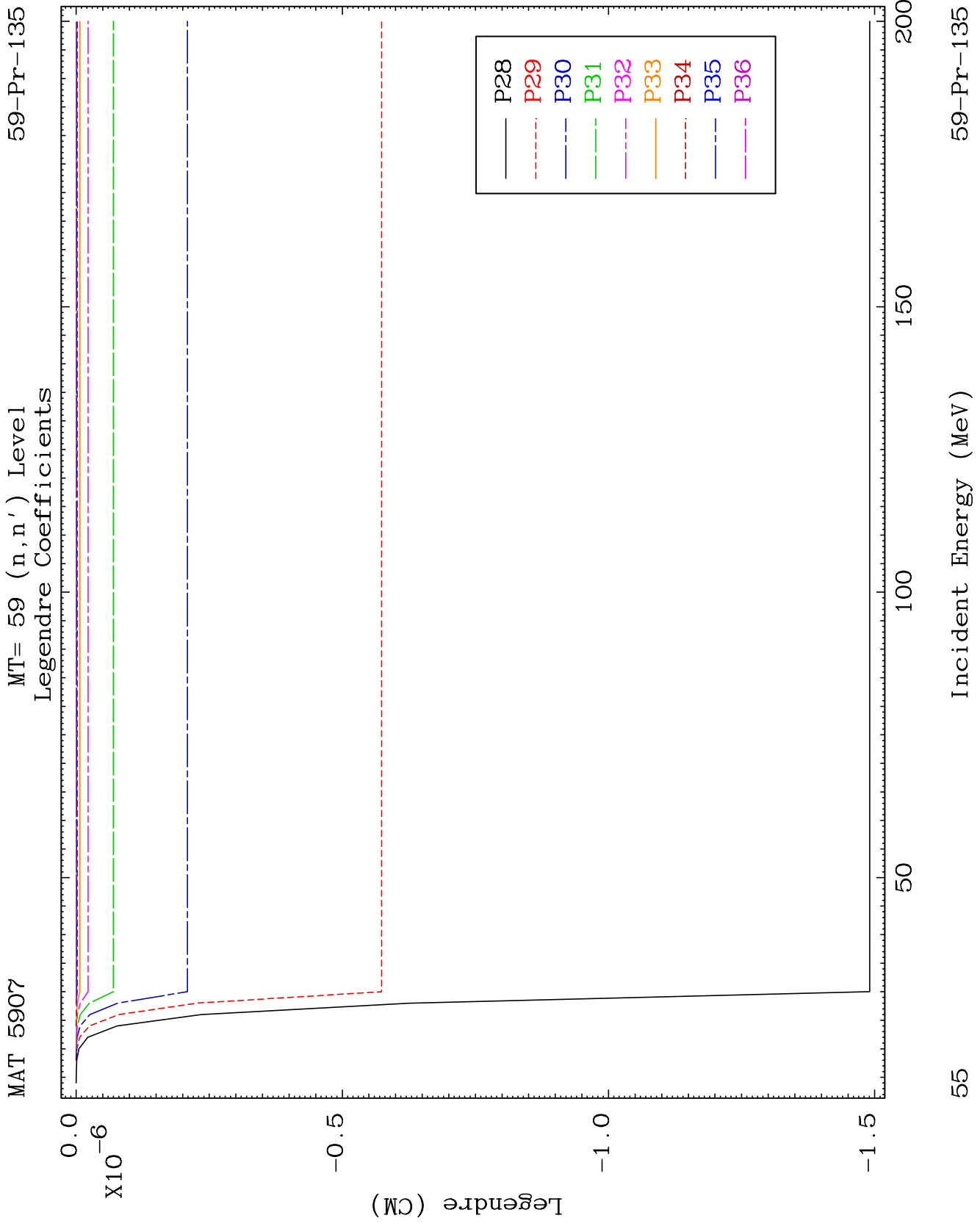
59-Pr-135



54

Incident Energy (MeV)

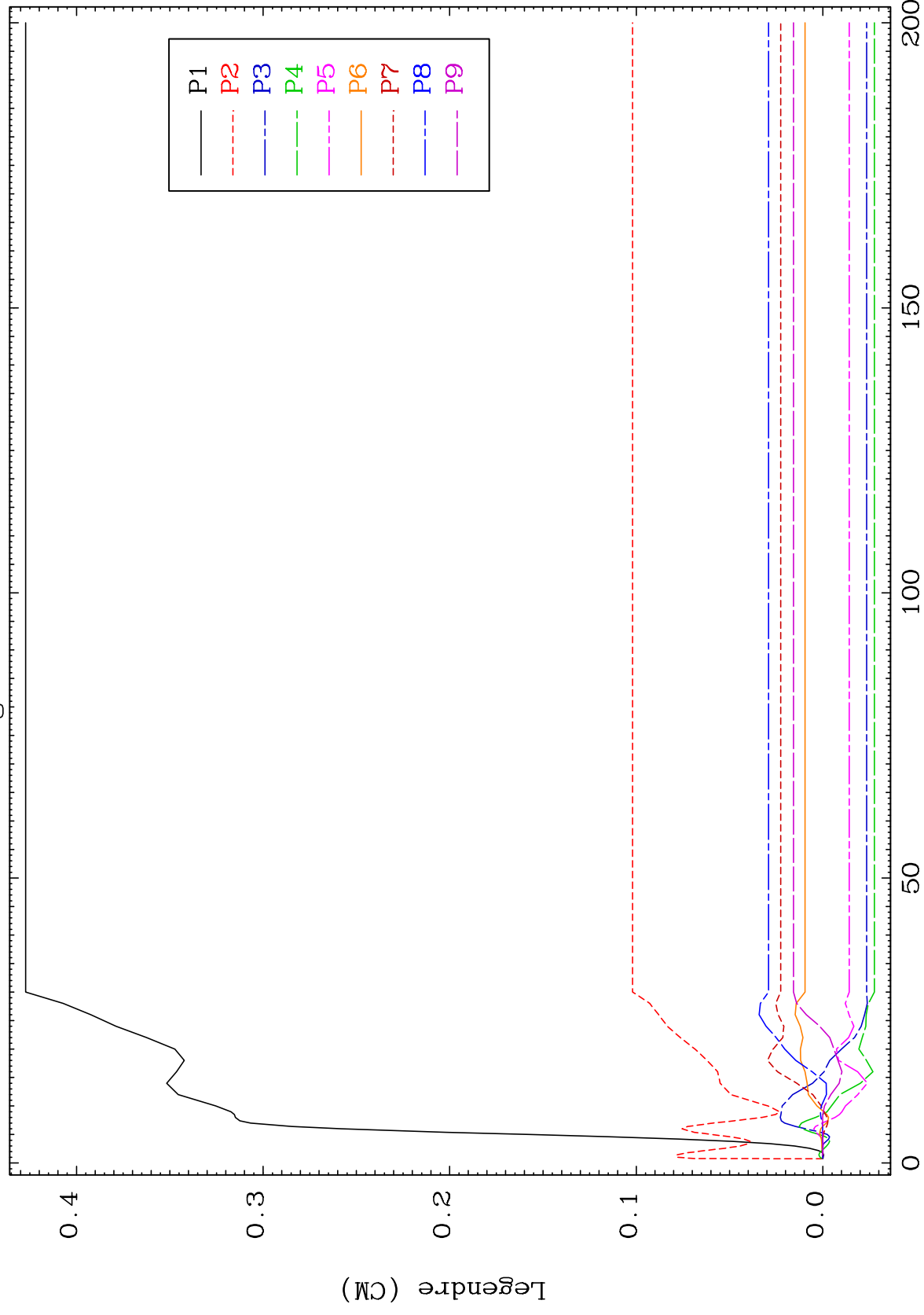
59-Pr-135



MAT 5907

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

59-Pr-135



56

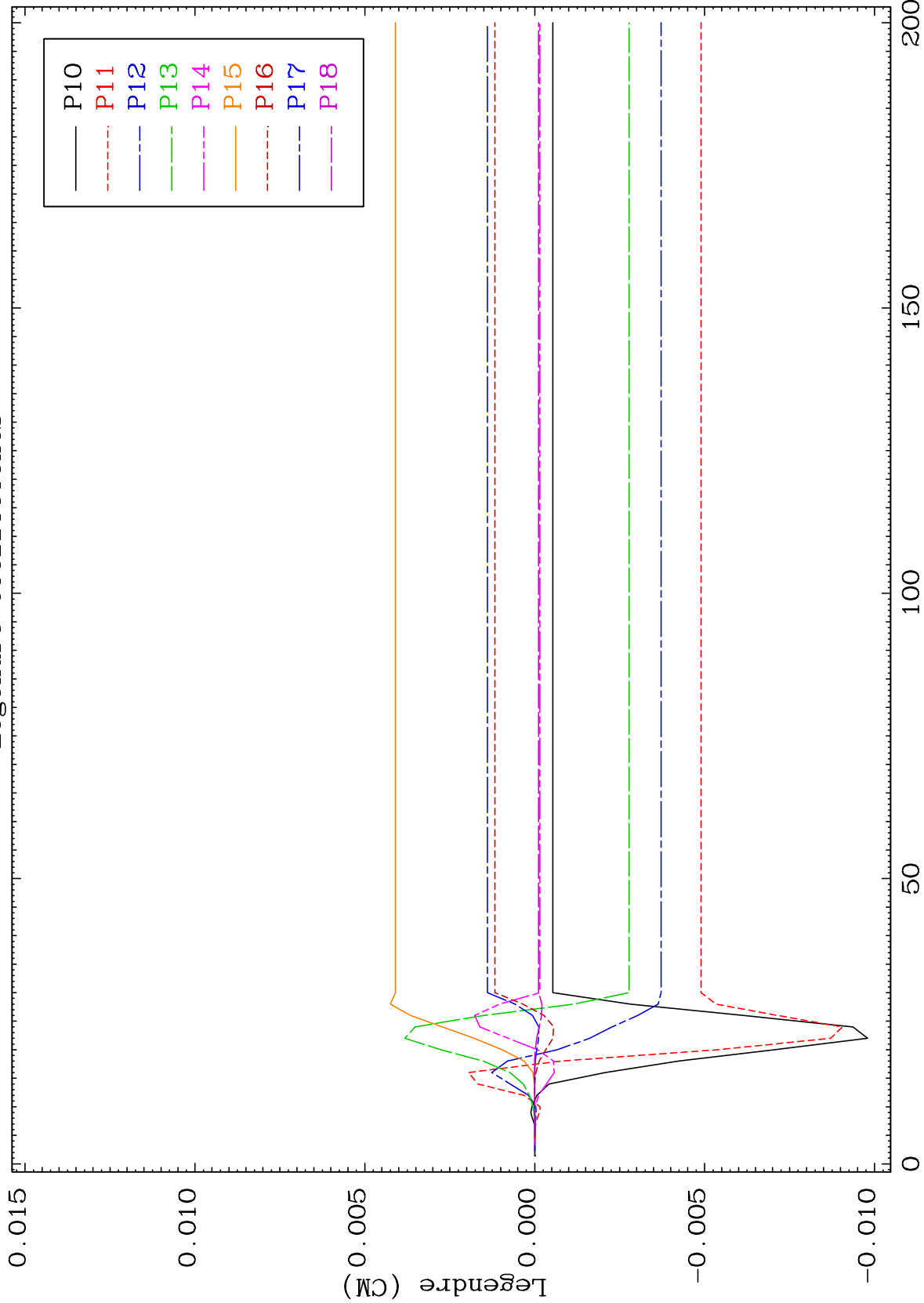
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

59-Pr-135



57

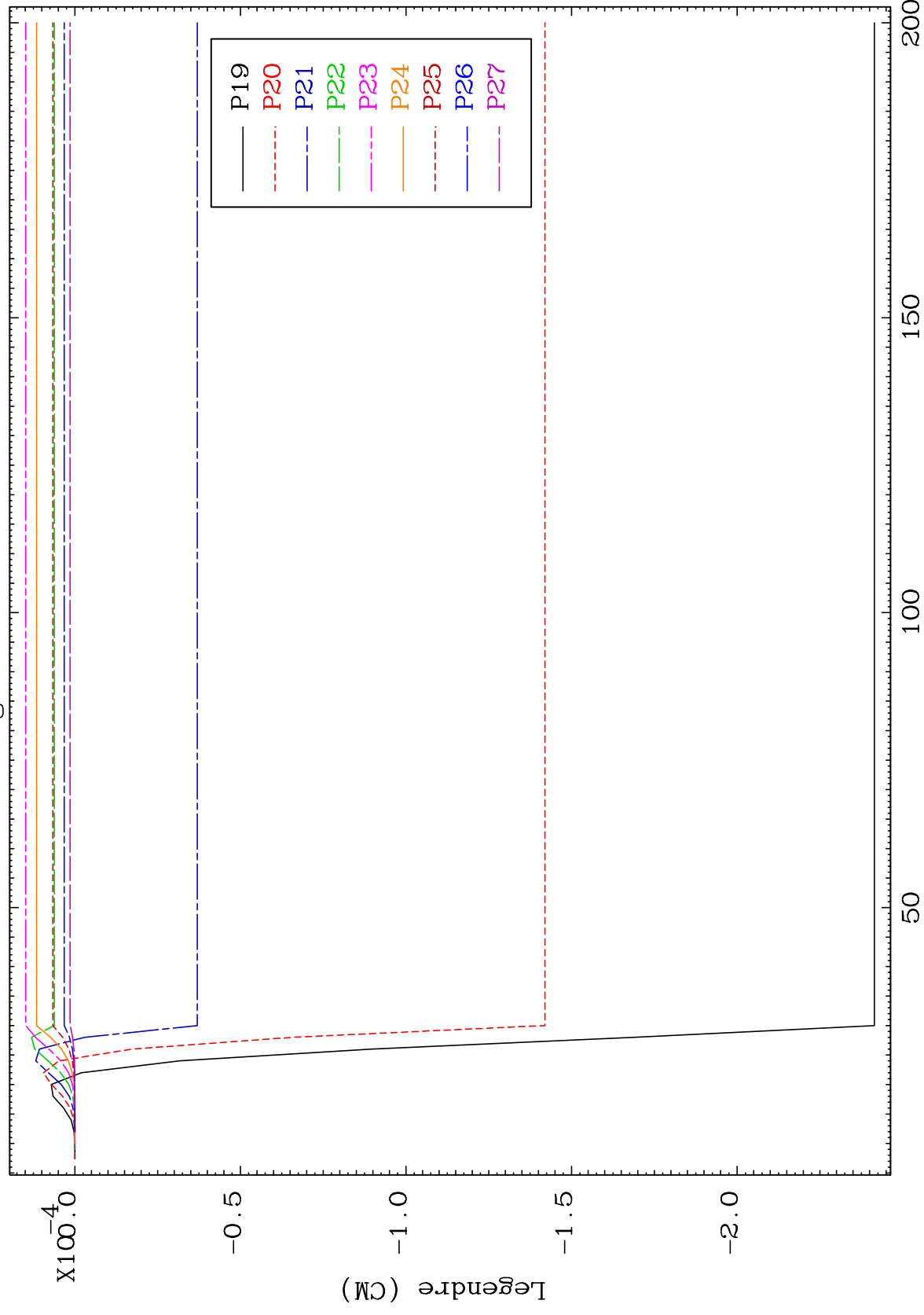
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

59-Pr-135



58

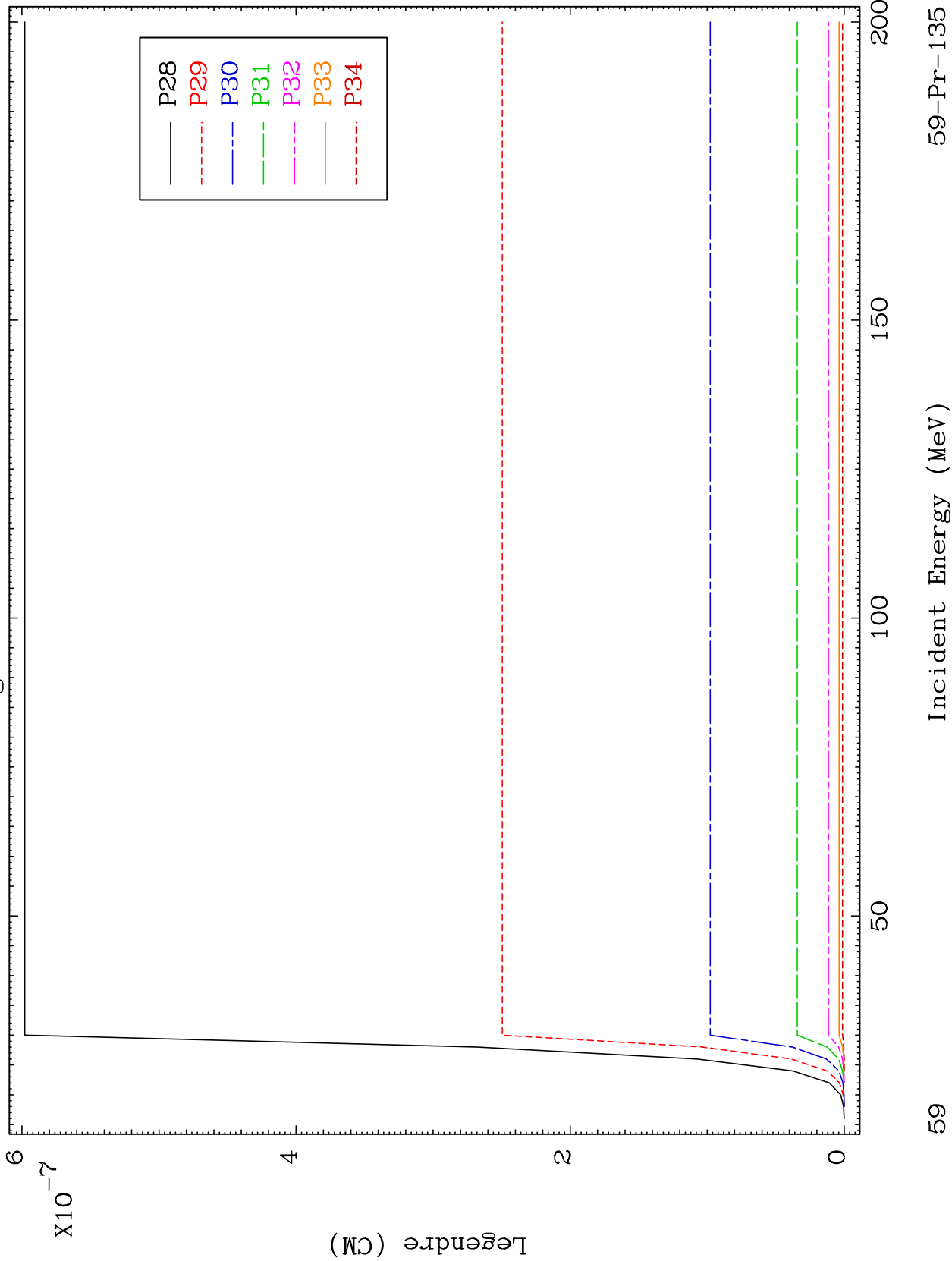
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

59-Pr-135



59

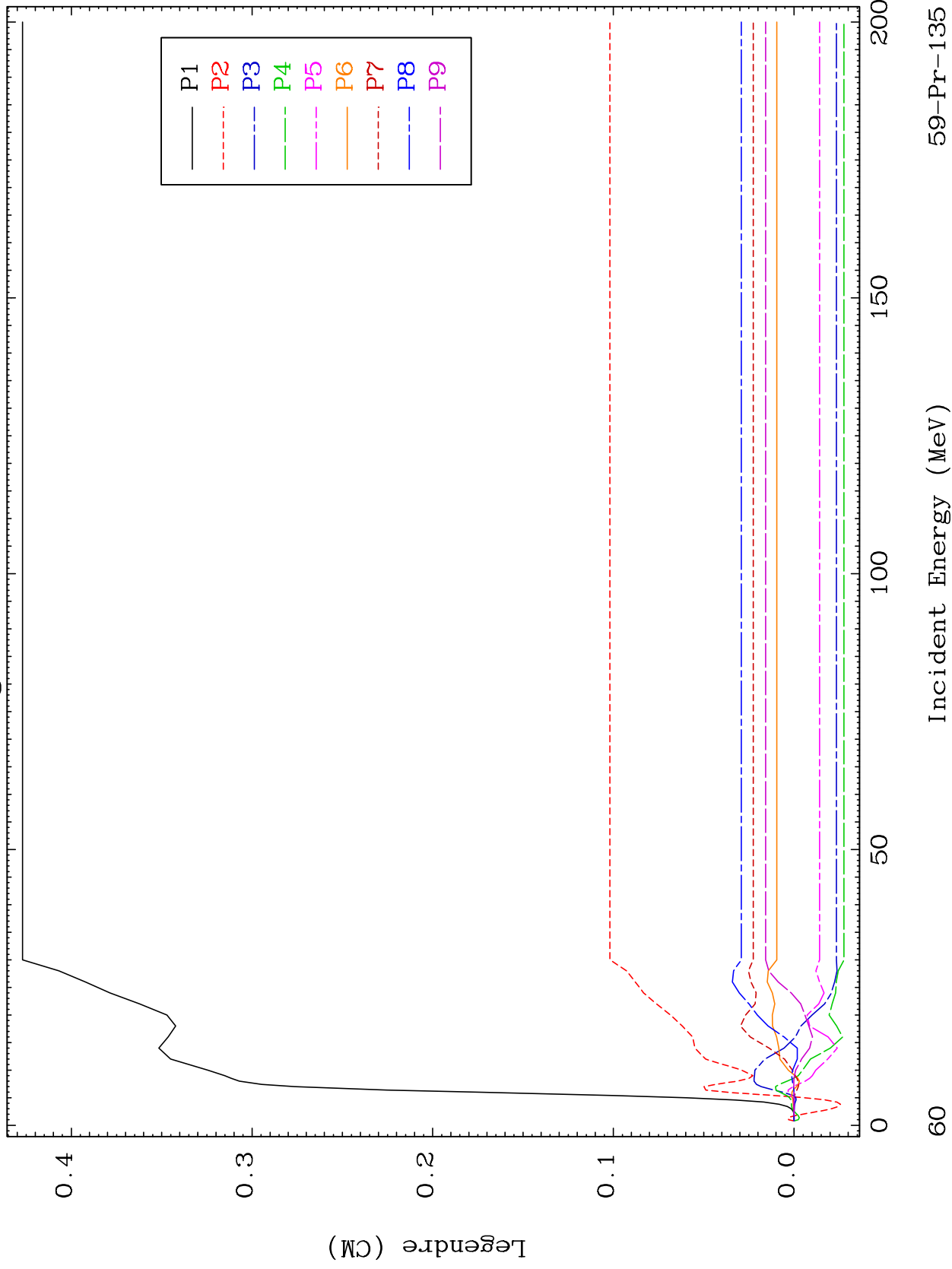
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

59-Pr-135



59-Pr-135

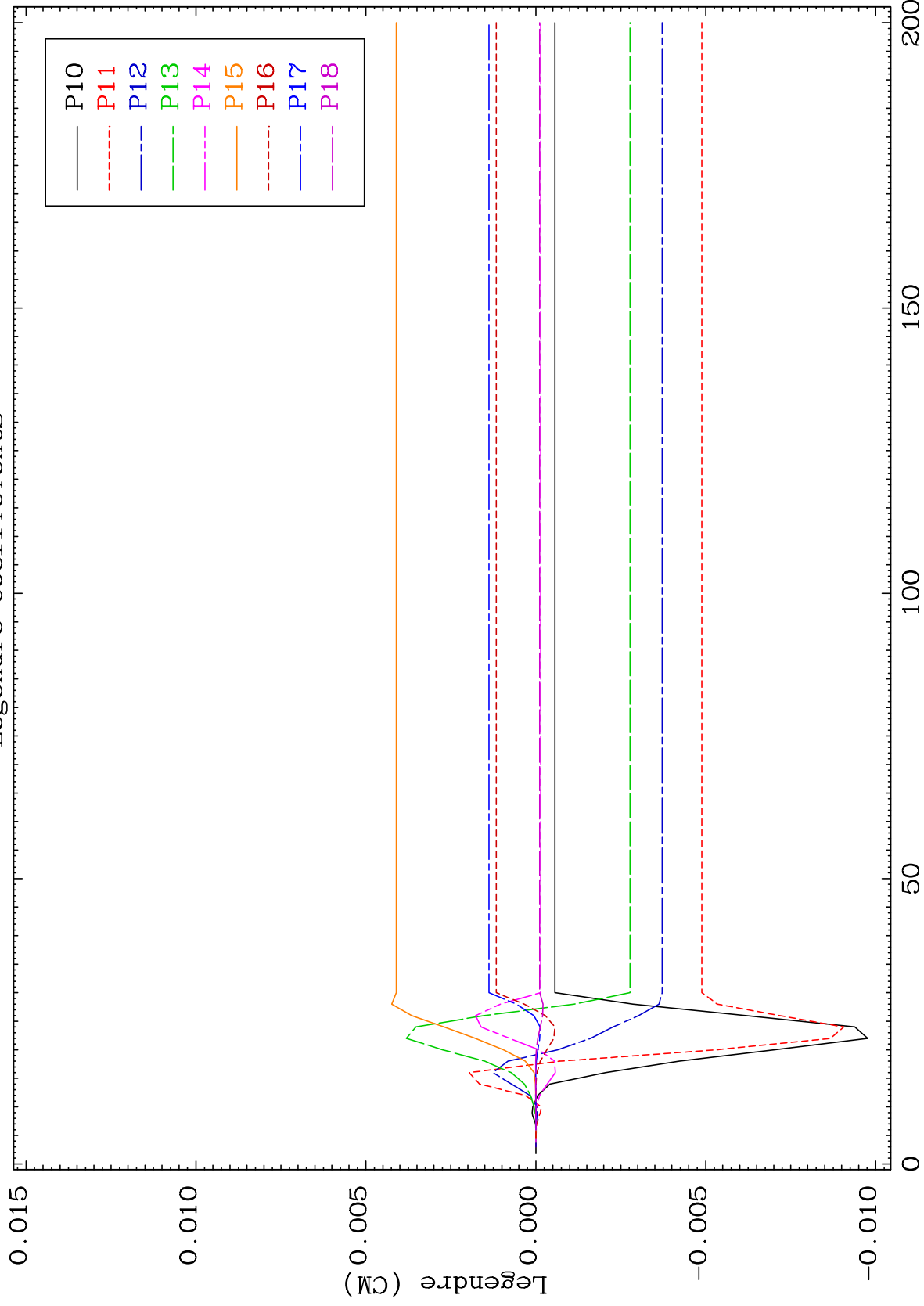
Incident Energy (MeV)

60

MAT 5907

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

59-Pr-135



61

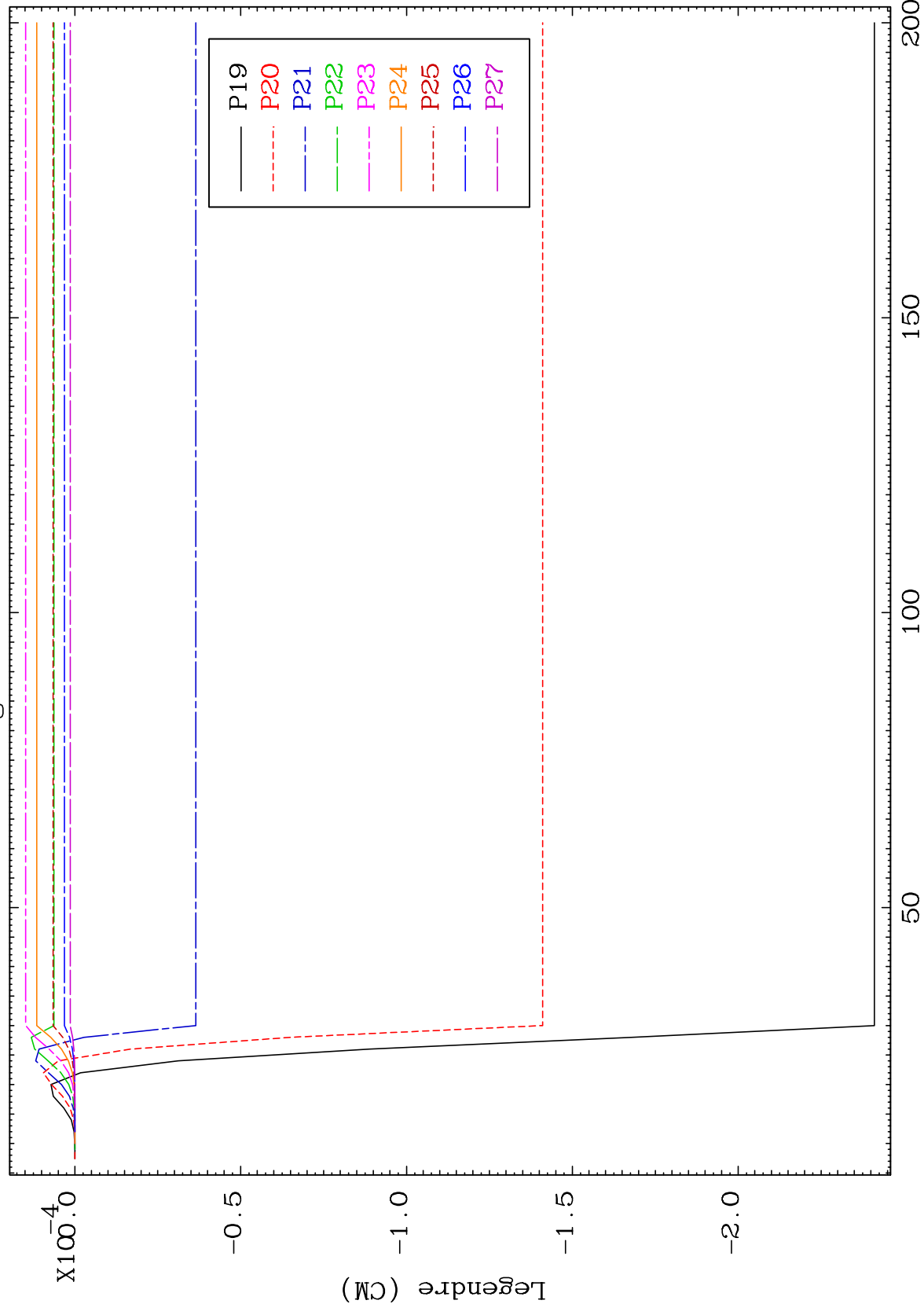
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

59-Pr-135



62

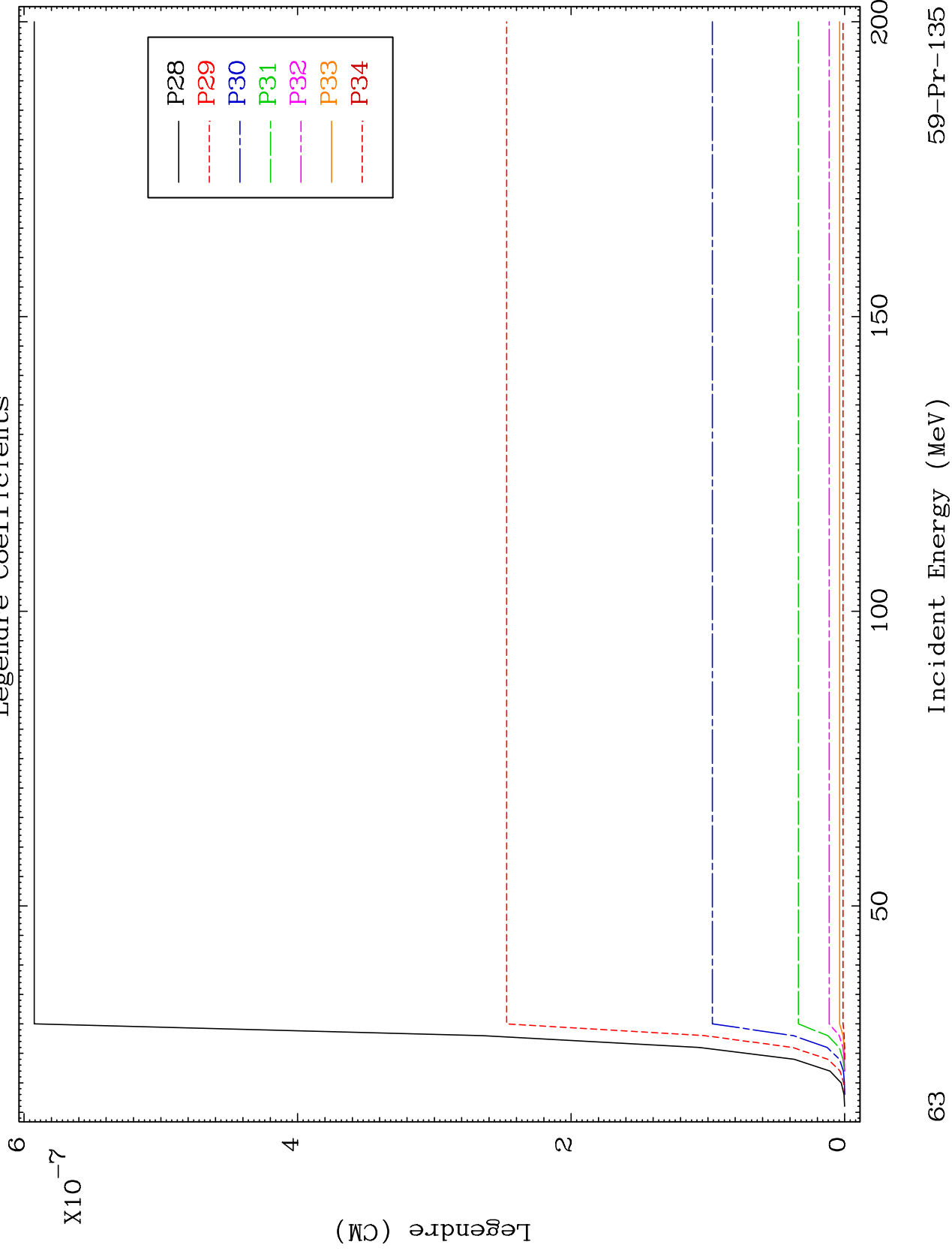
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

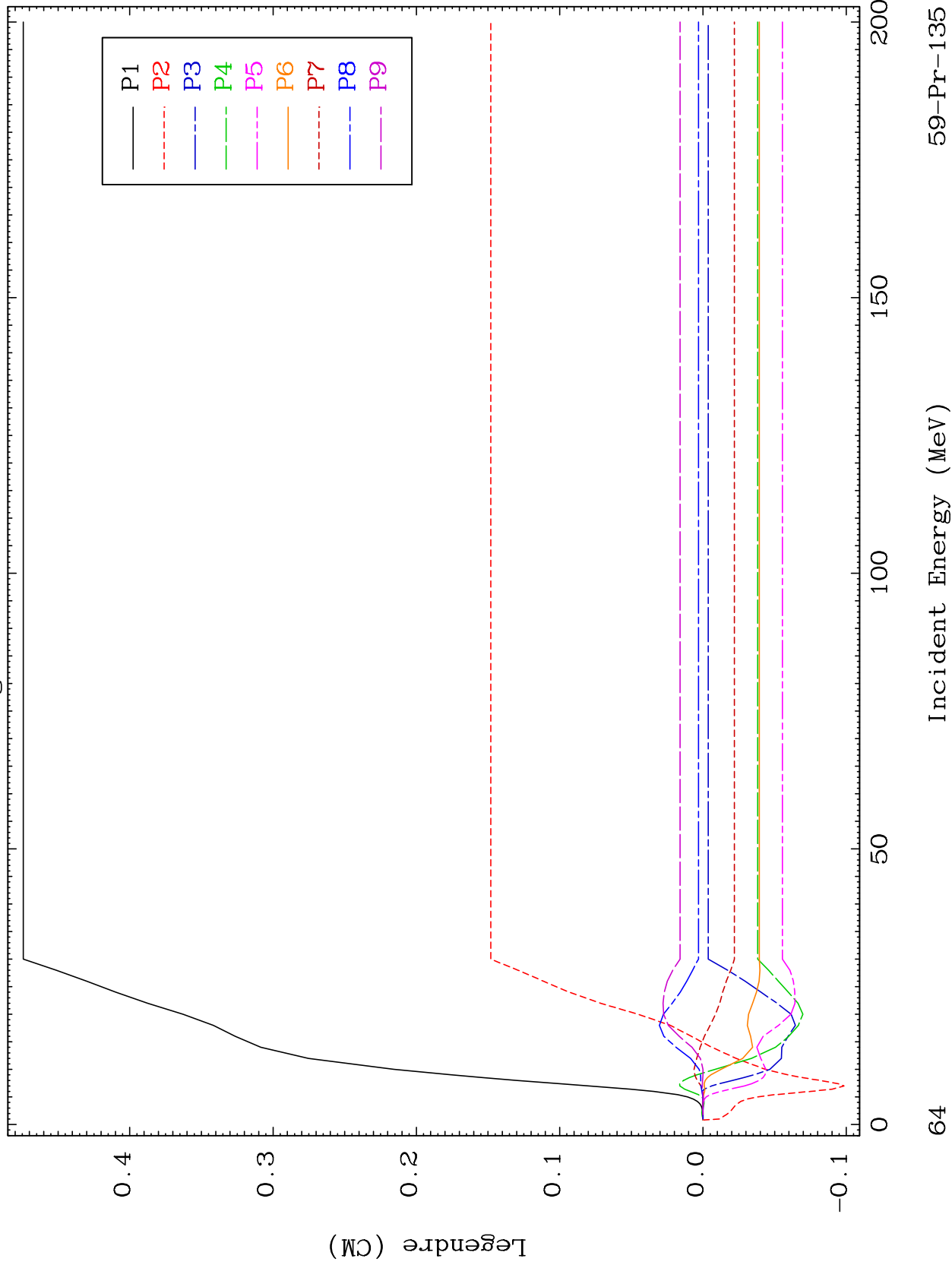
59-Pr-135



MAT 5907

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

59-Pr-135



59-Pr-135

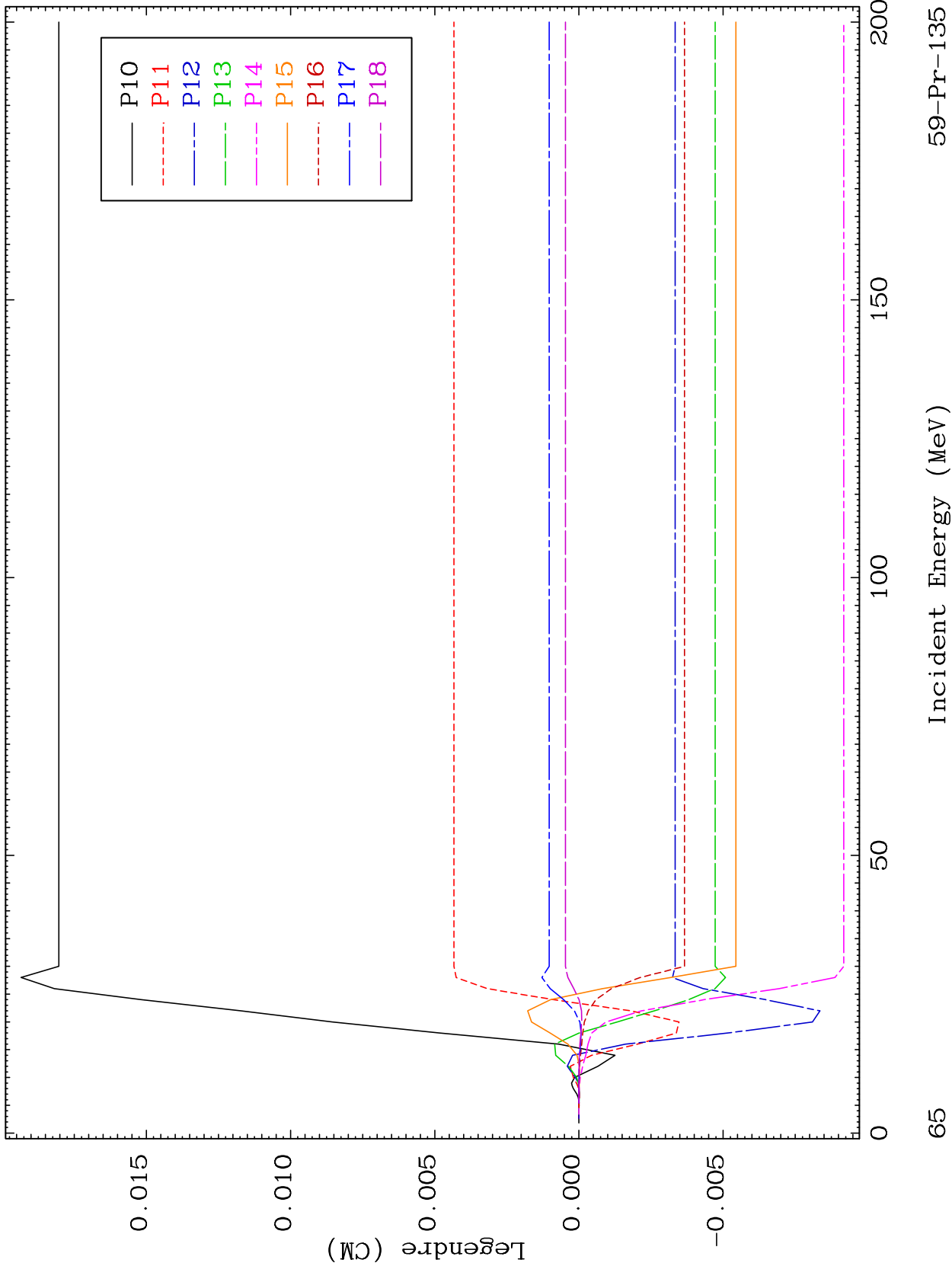
Incident Energy (MeV)

64

MAT 5907

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

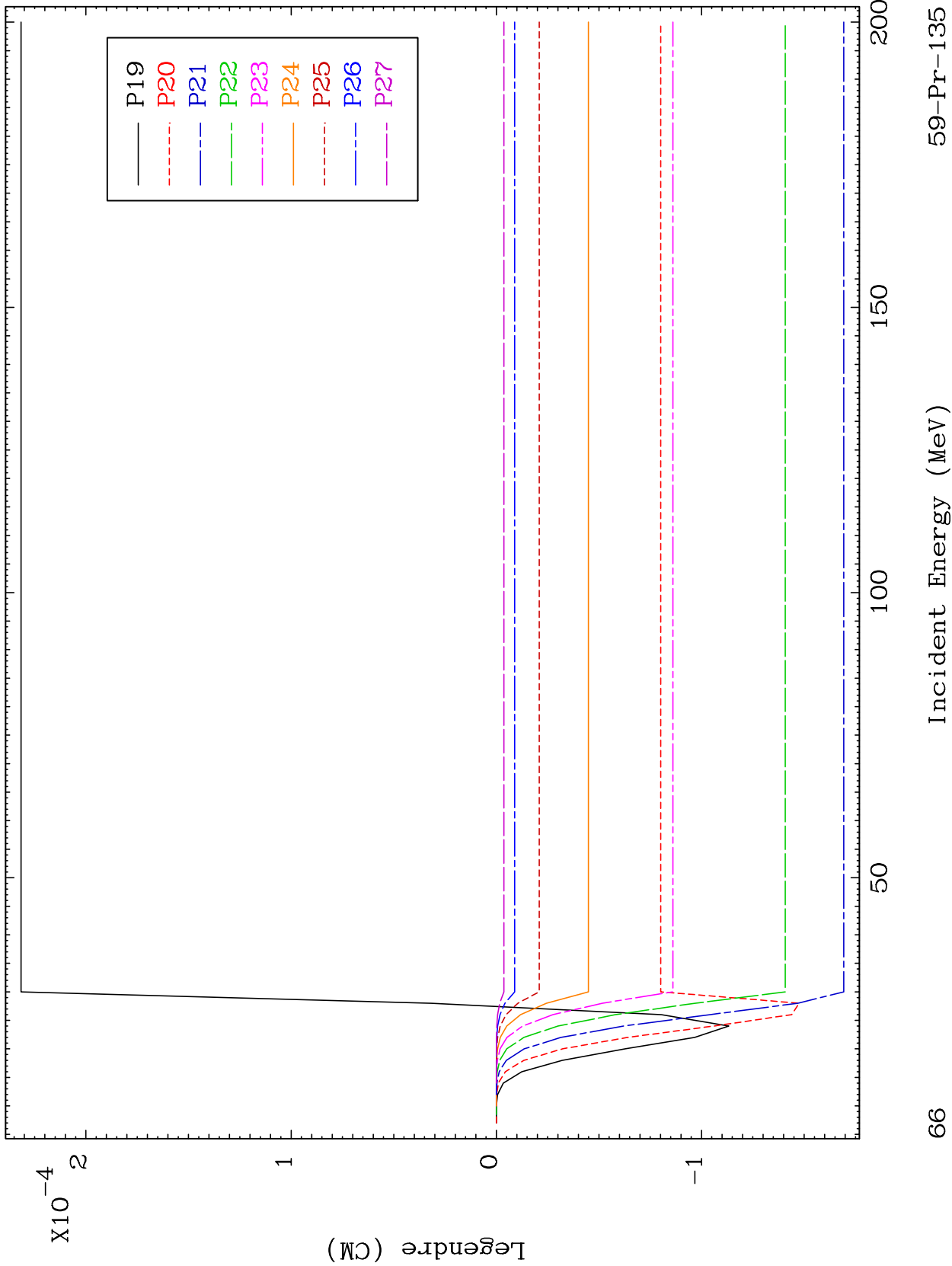
59-Pr-135

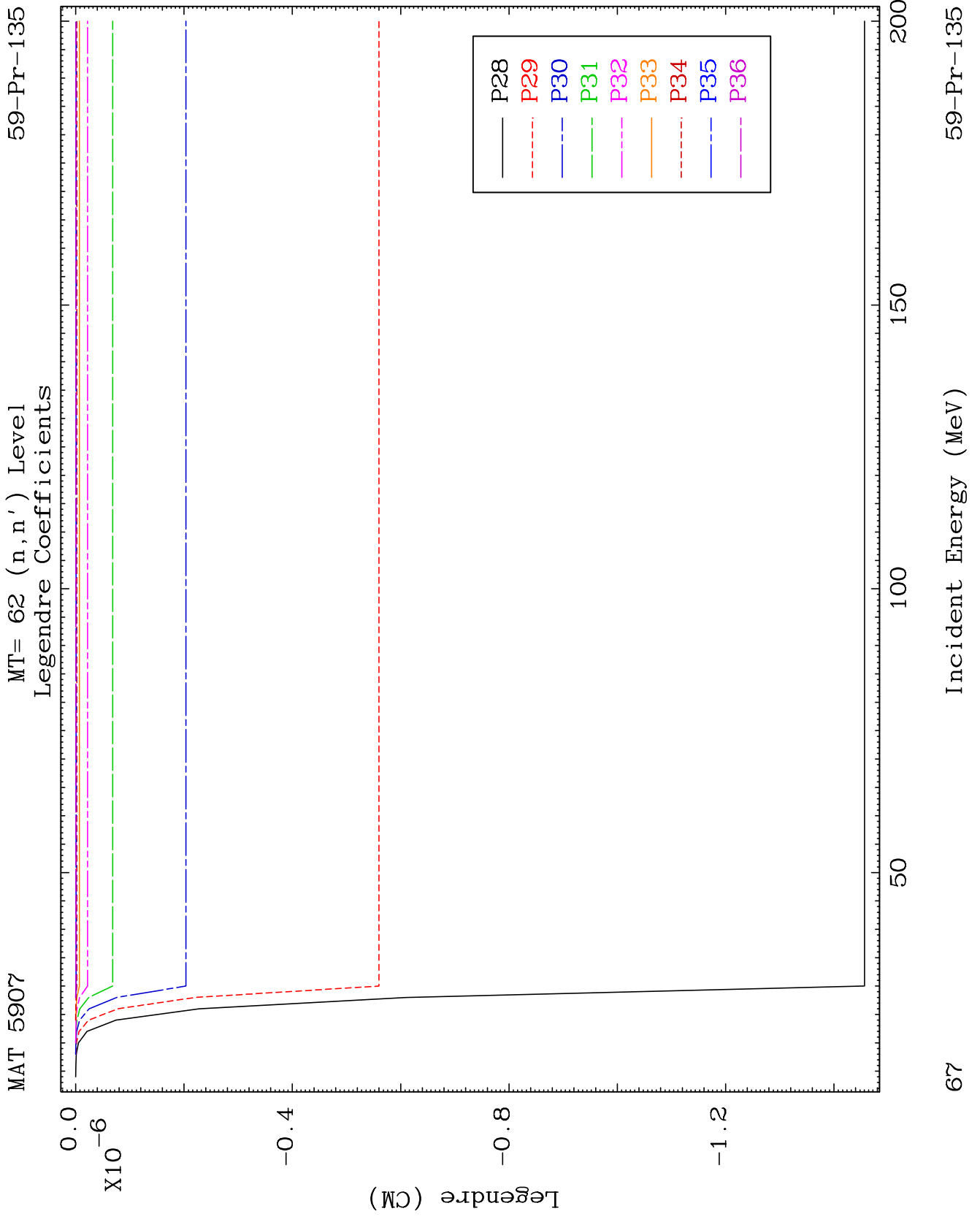


65

Incident Energy (MeV)

59-Pr-135

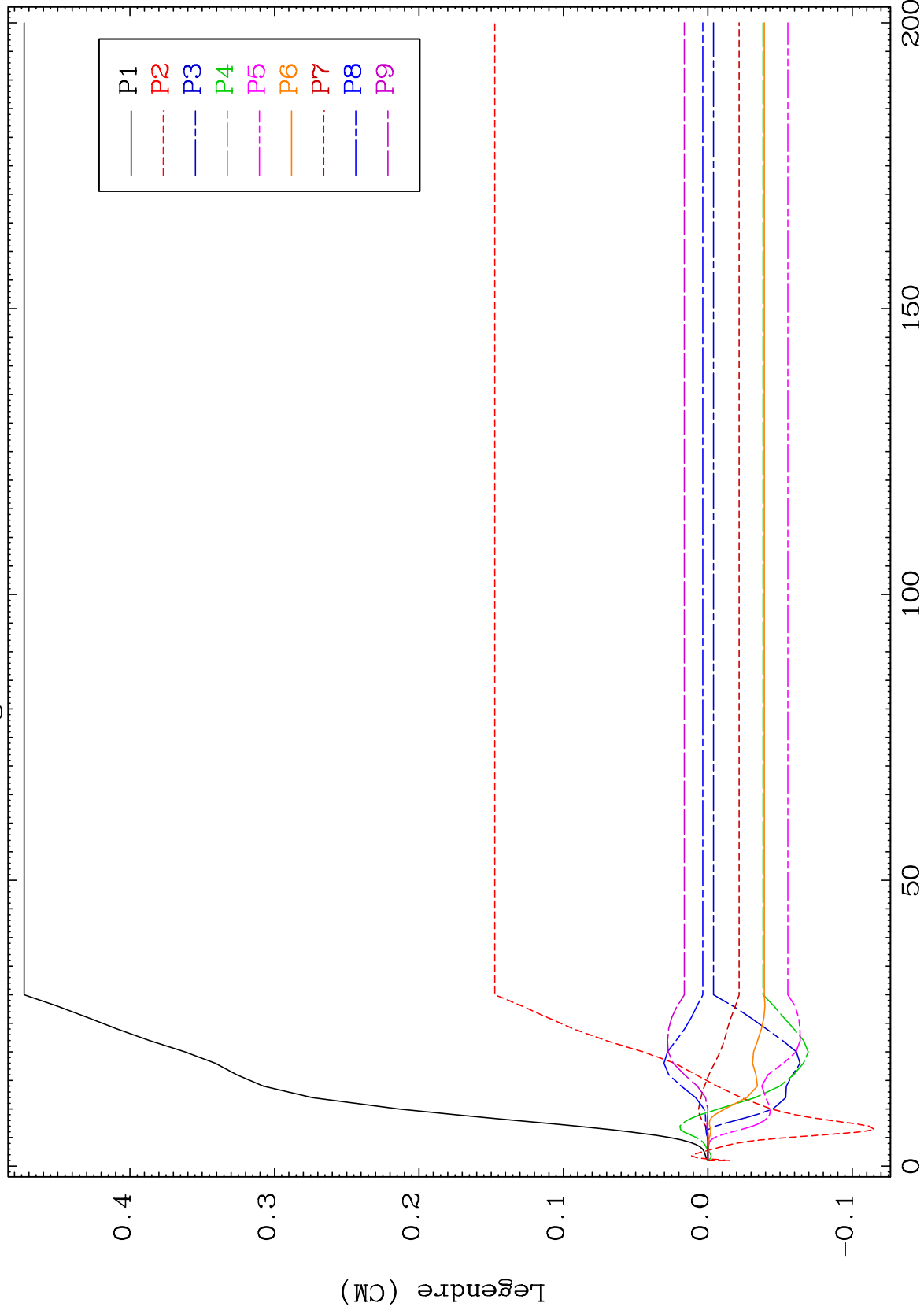




MAT 5907

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

59-Pr-135



68

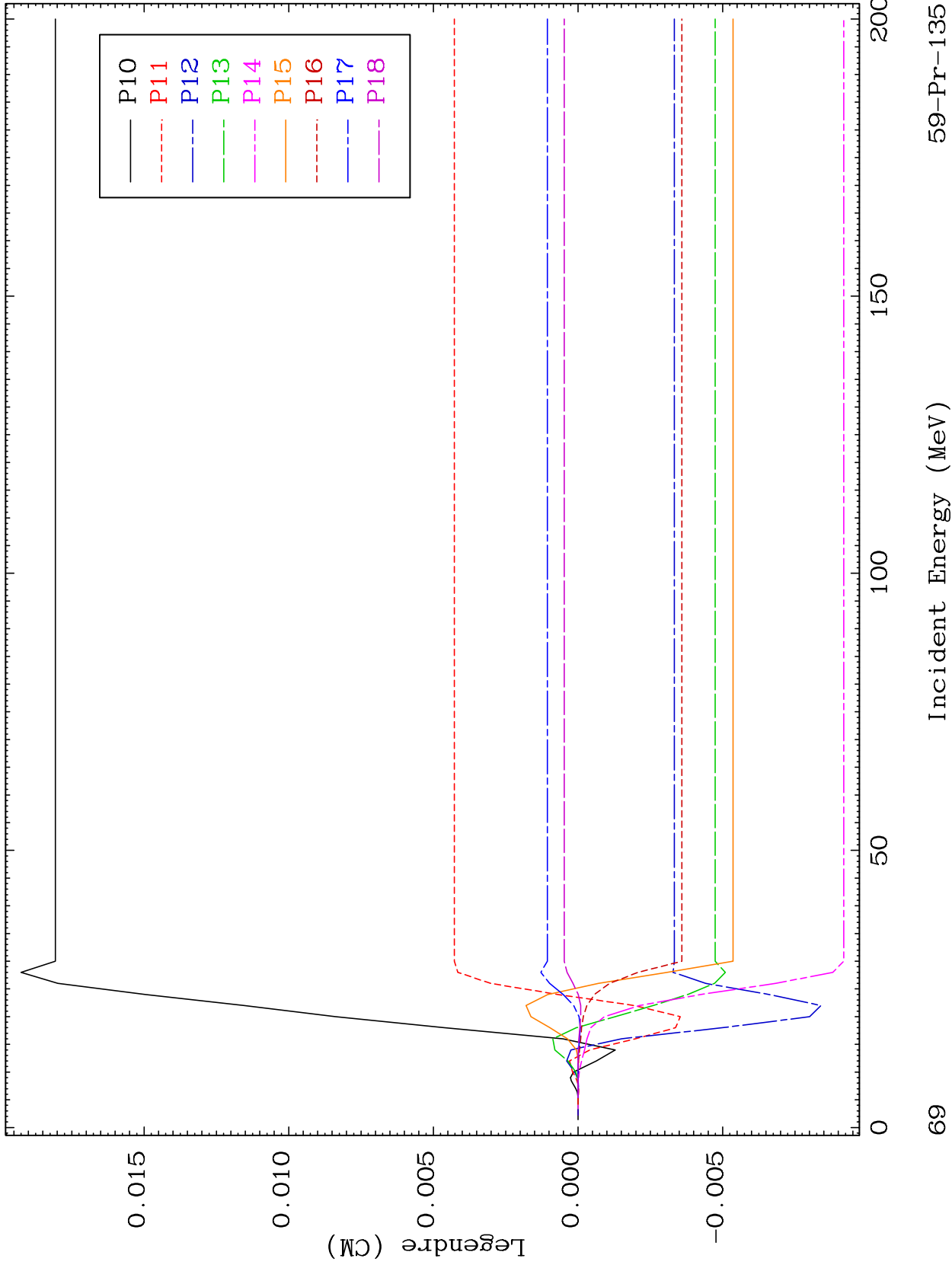
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

59-Pr-135



69

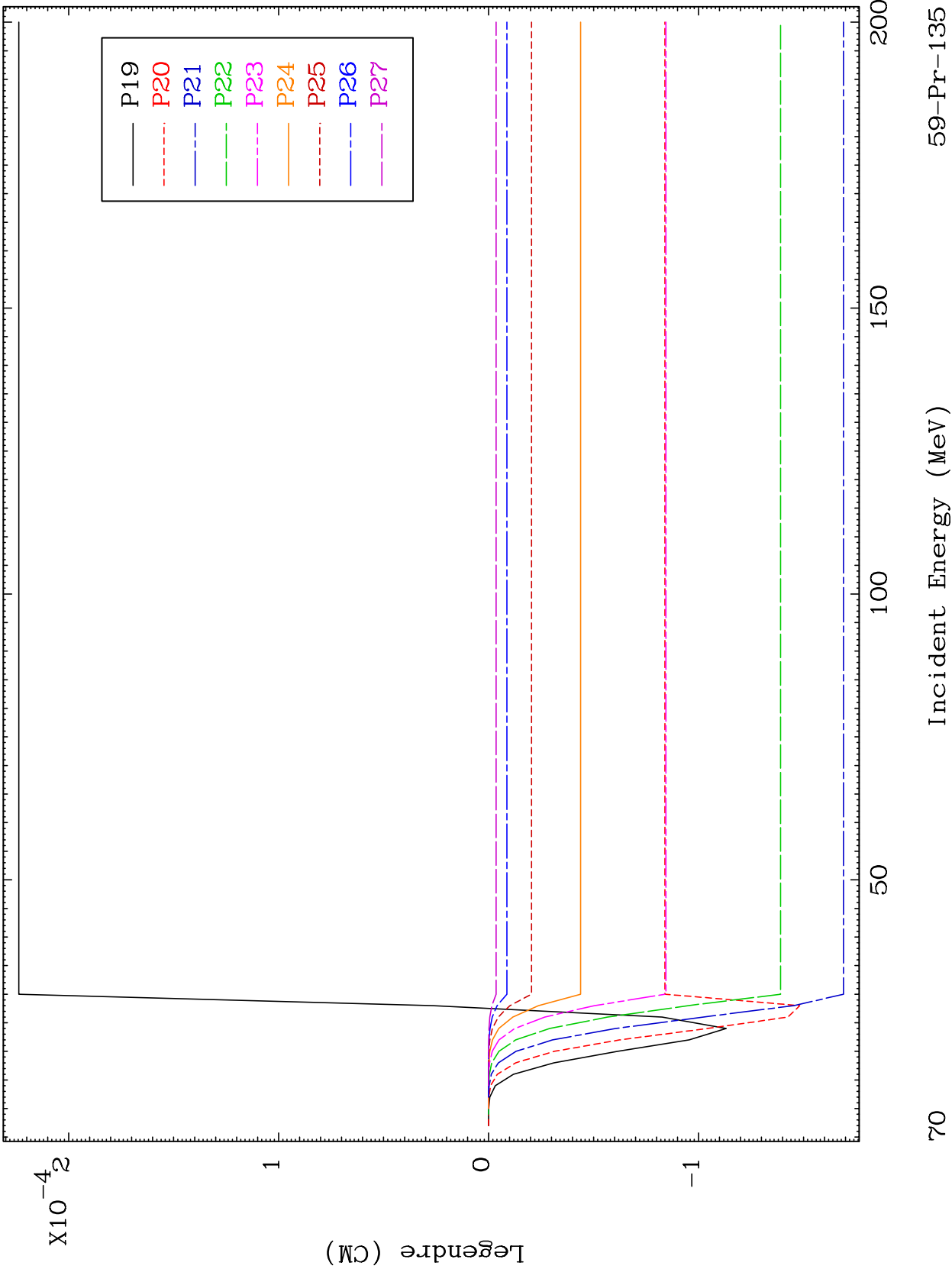
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

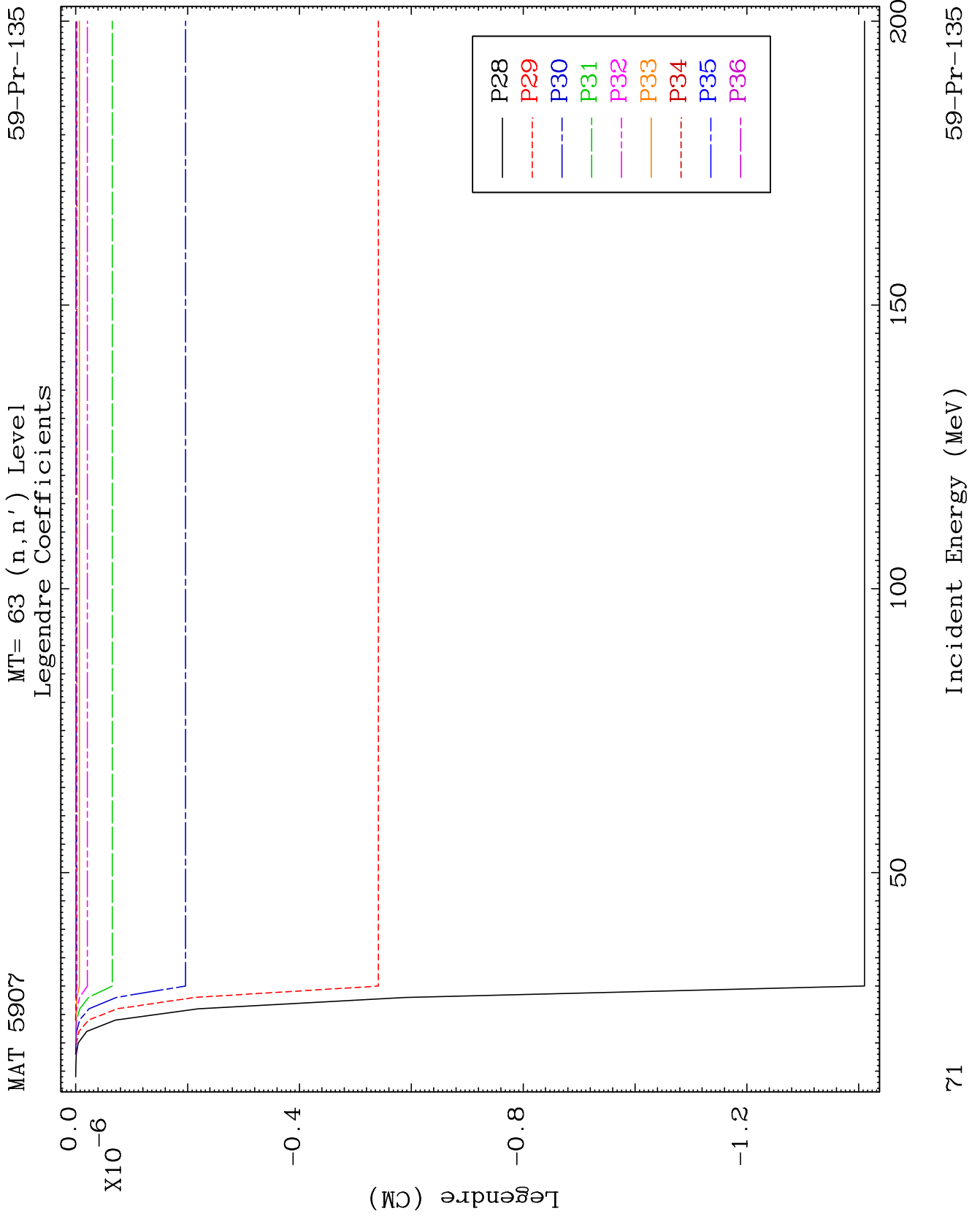
59-Pr-135



70

Incident Energy (MeV)

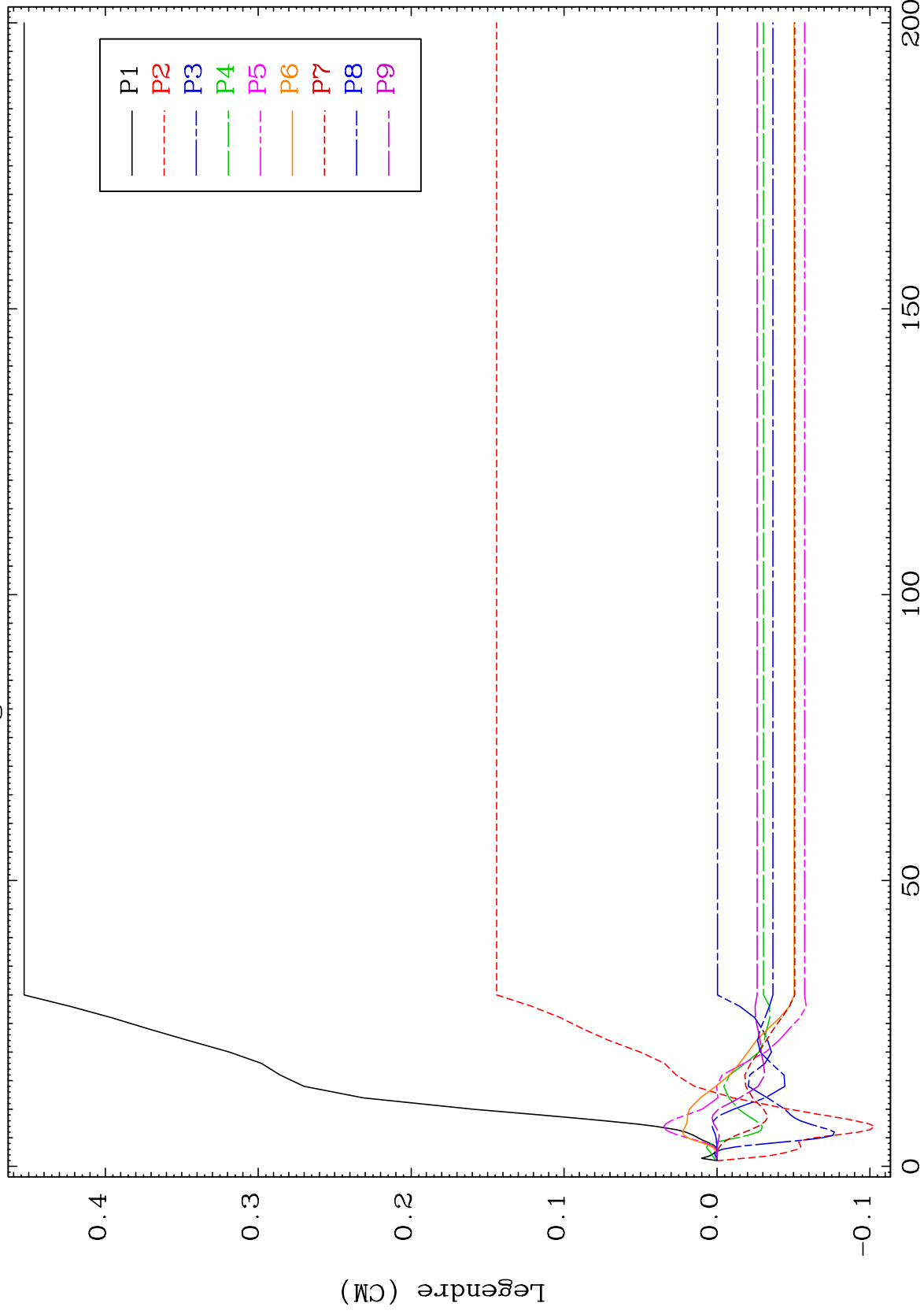
59-Pr-135



MAT 5907

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

59-Pr-135



59-Pr-135

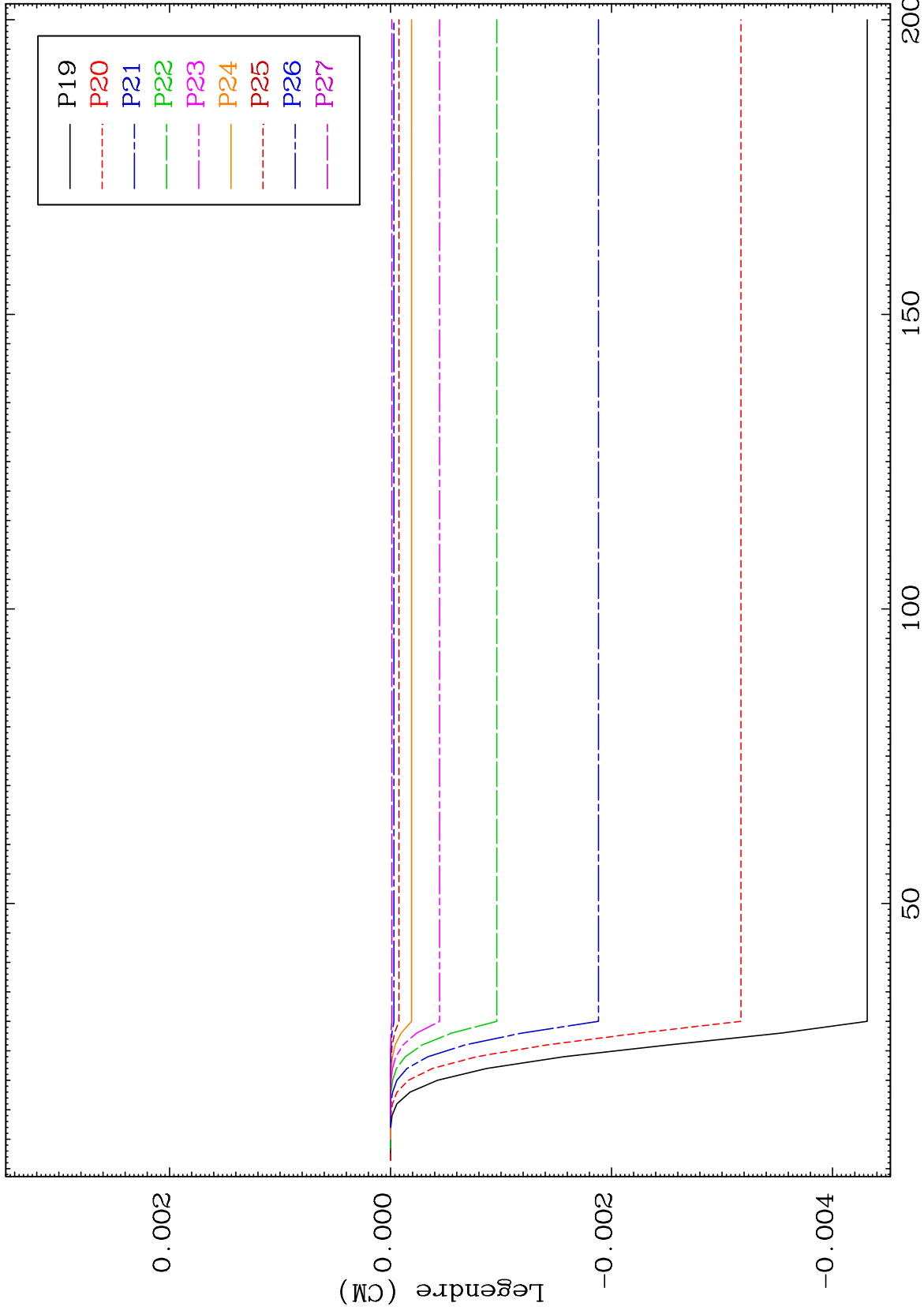
Incident Energy (MeV)

72

MAT 5907

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

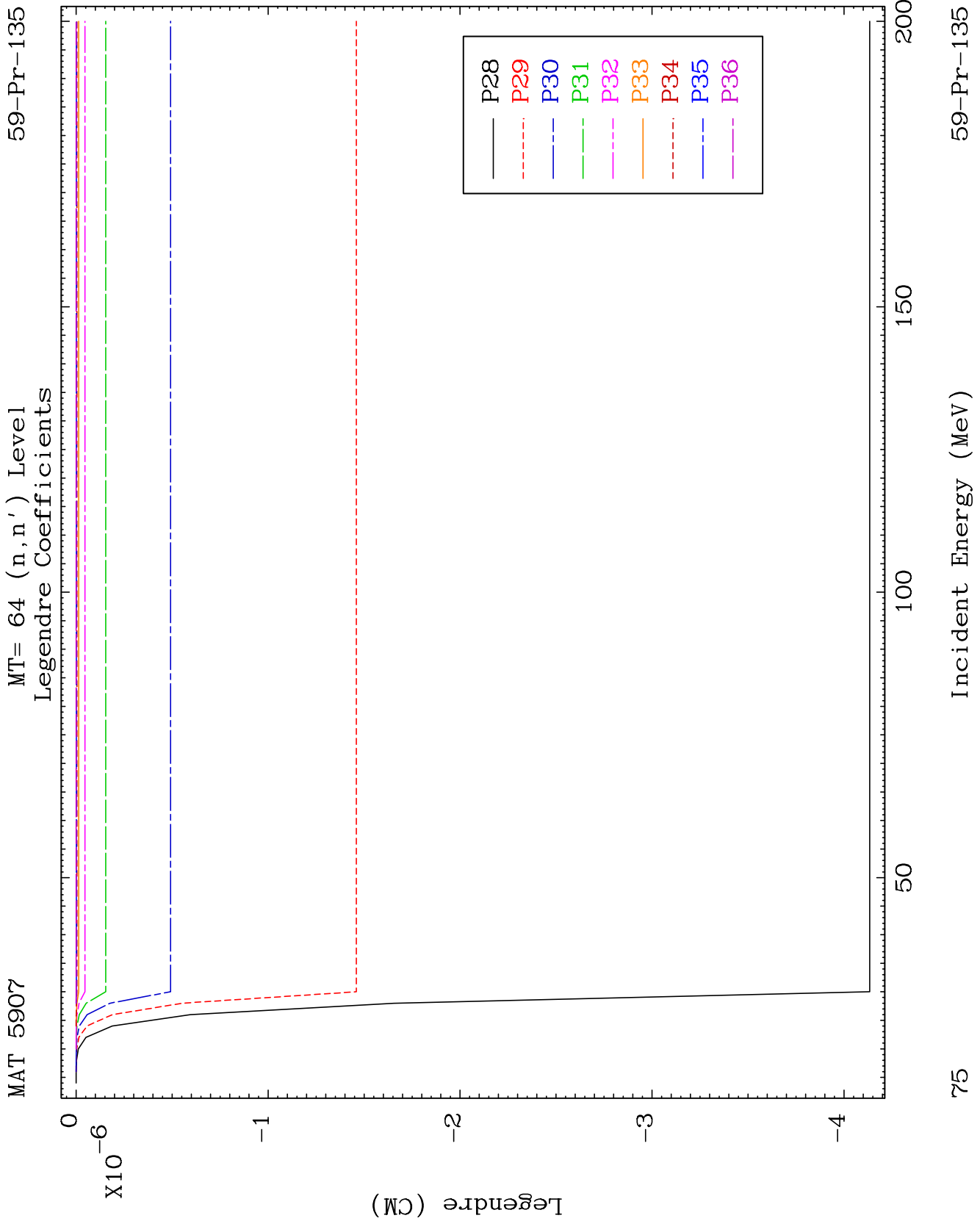
59-Pr-135



74

Incident Energy (MeV)

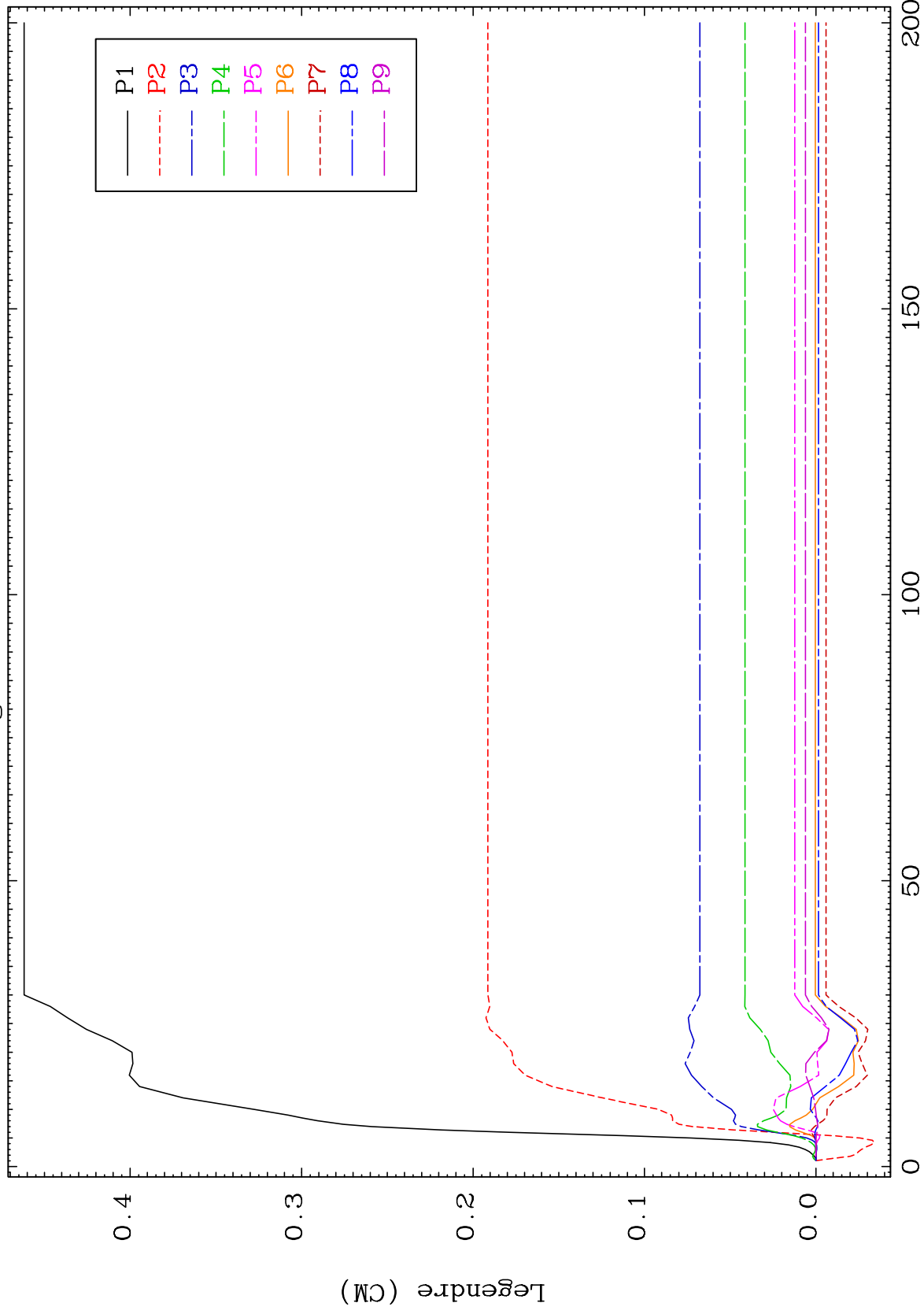
59-Pr-135



MAT 5907

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

59-Pr-135



76

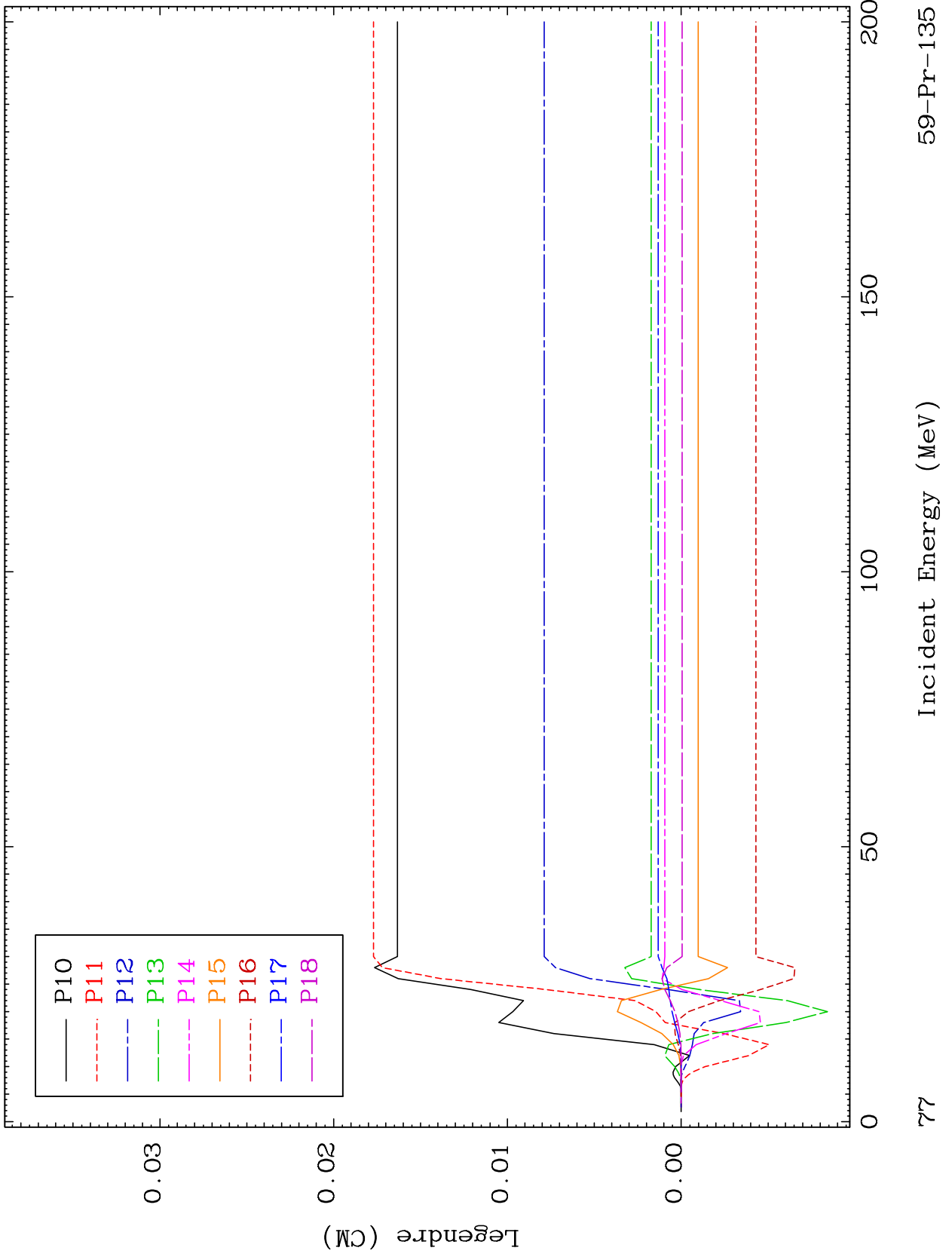
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

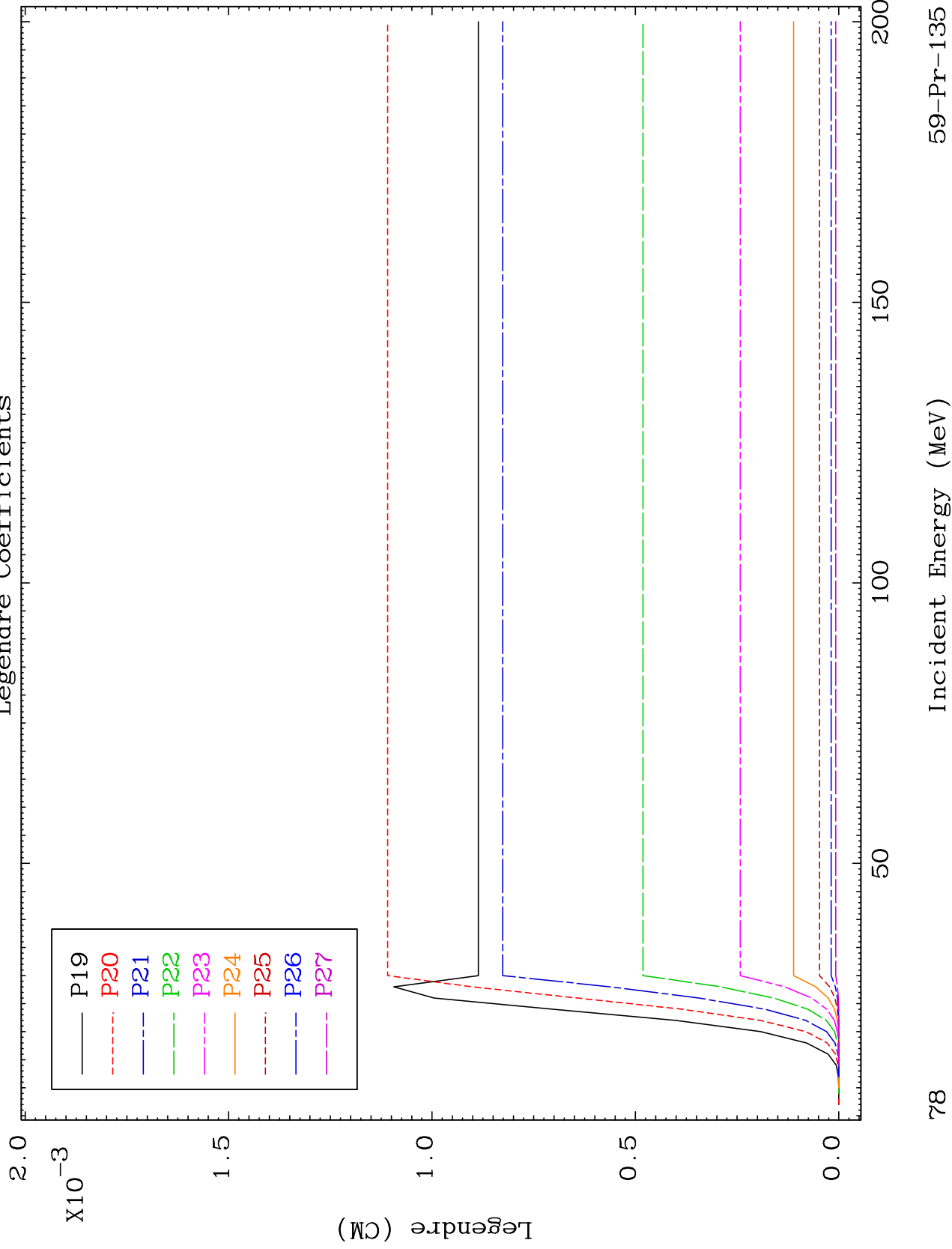
59-Pr-135



MAT 5907

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

59-Pr-135



78

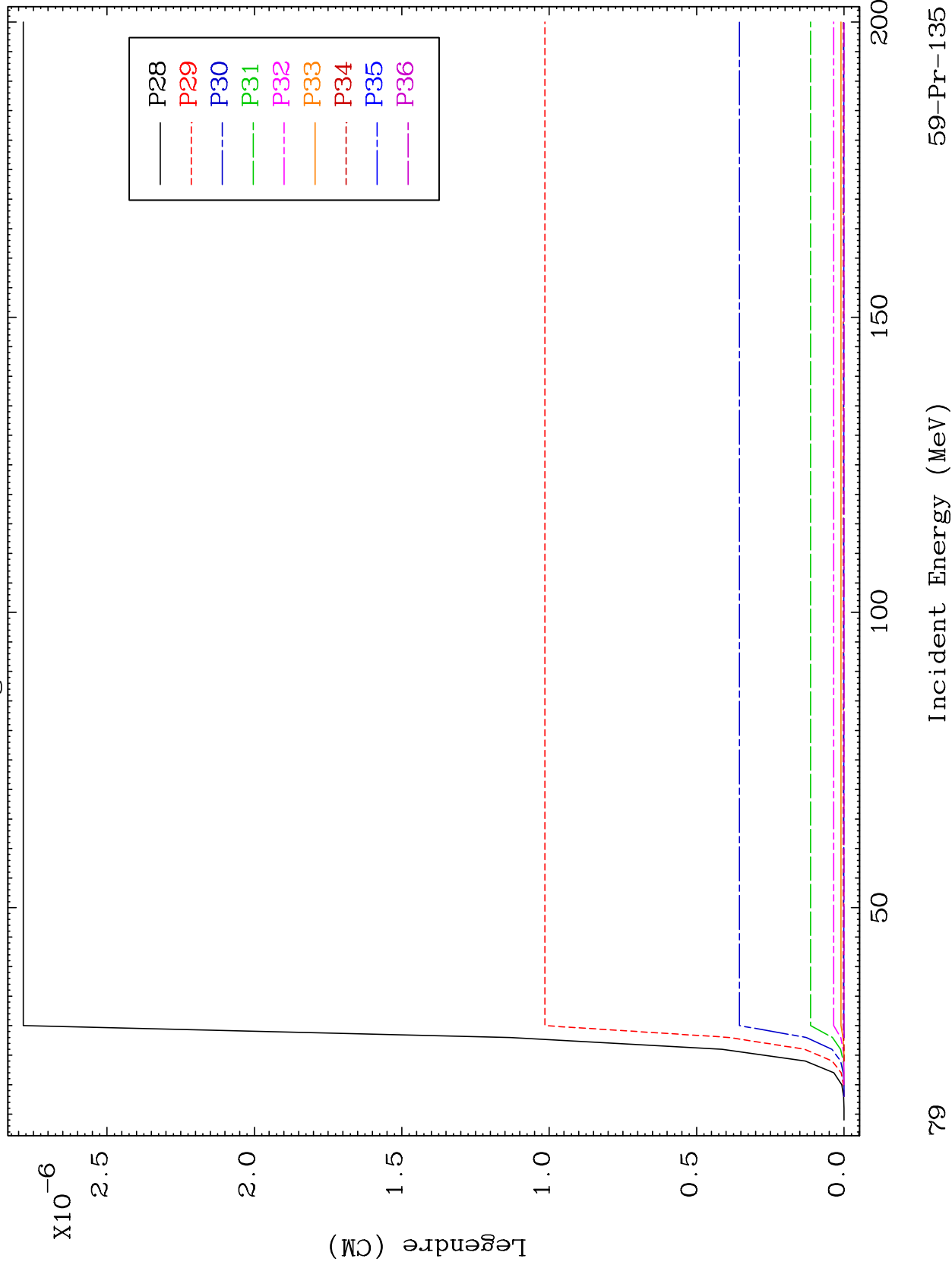
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

59-Pr-135



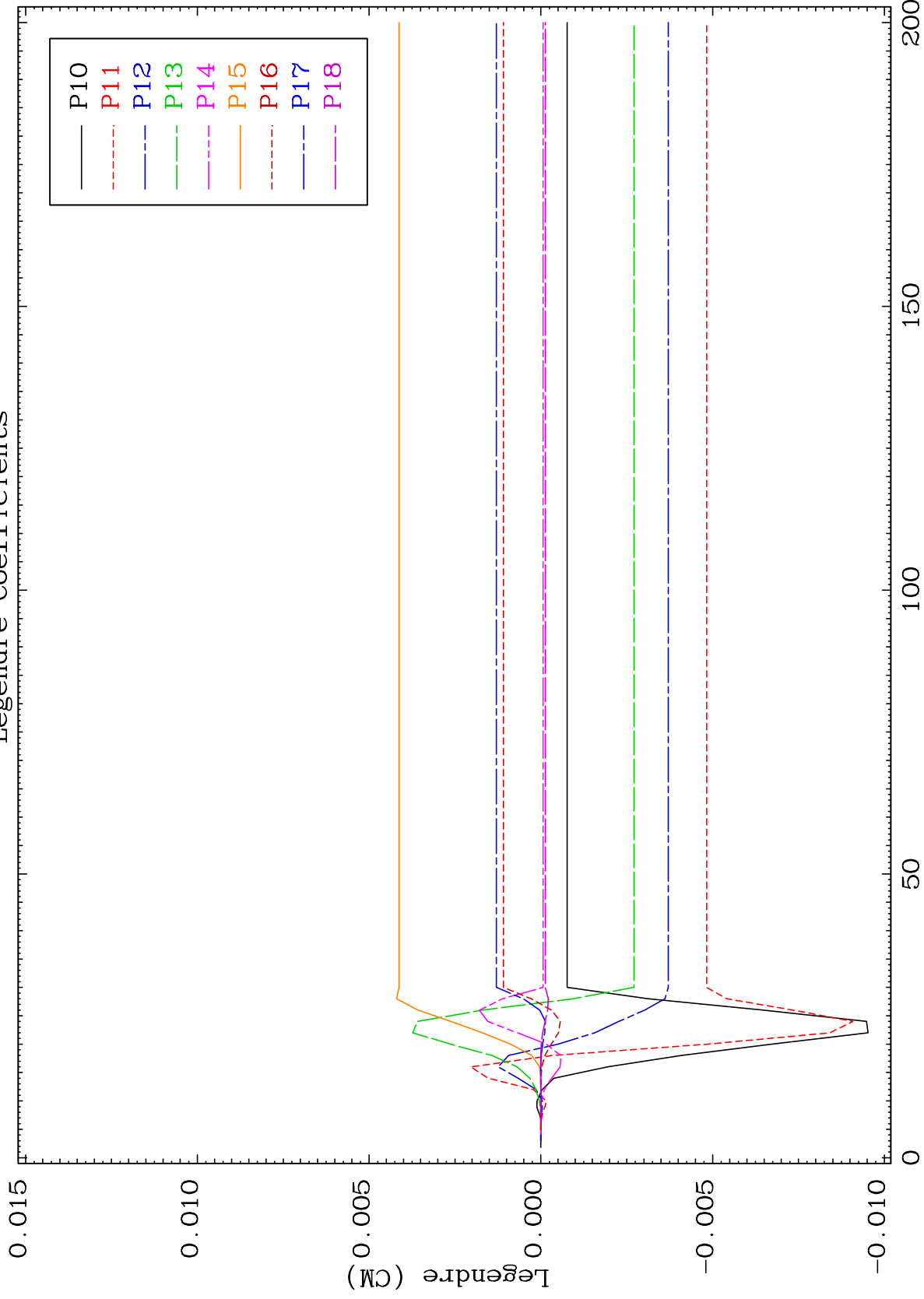
79

59-Pr-135

MAT 5907

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

59-Pr-135



81

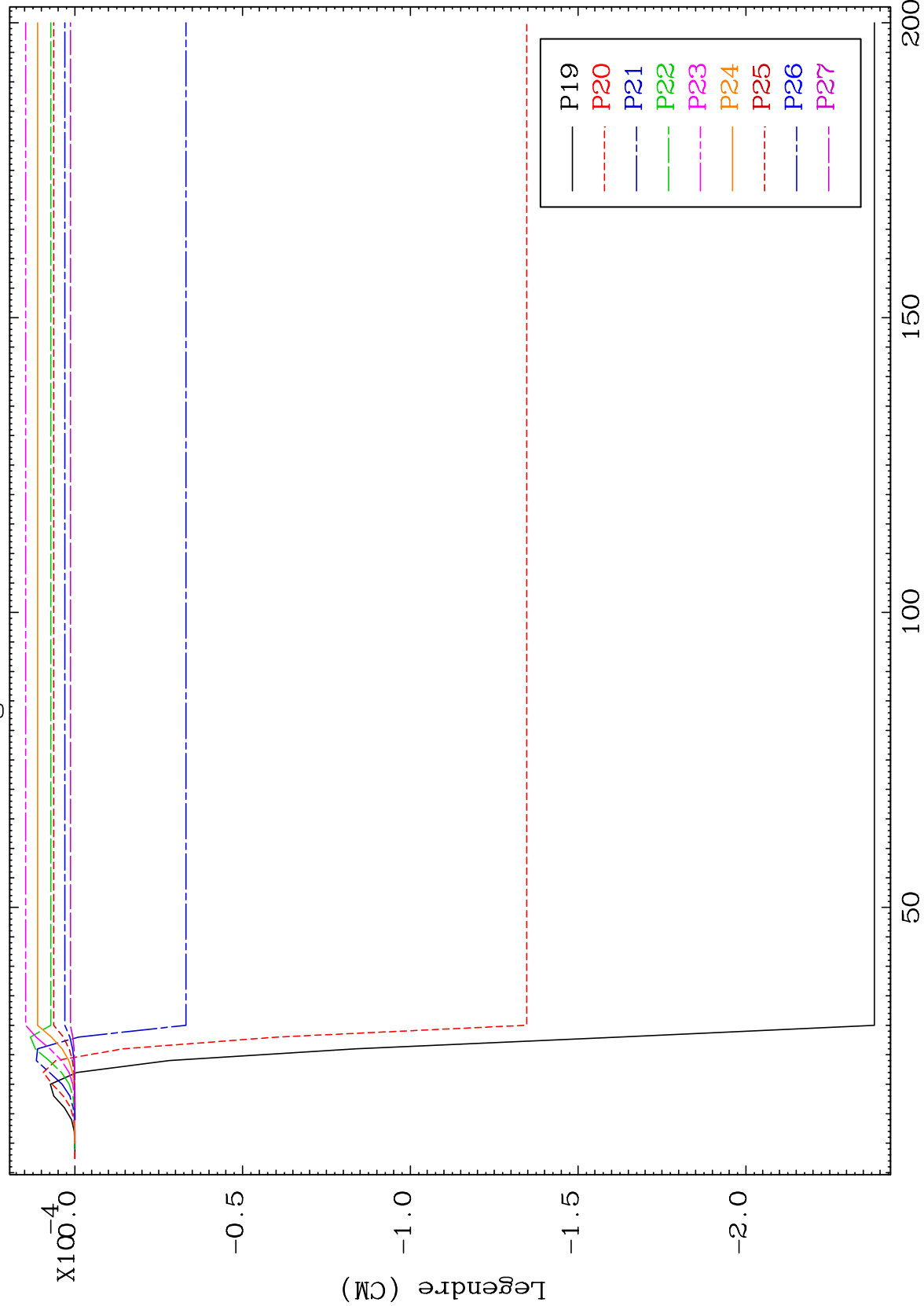
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

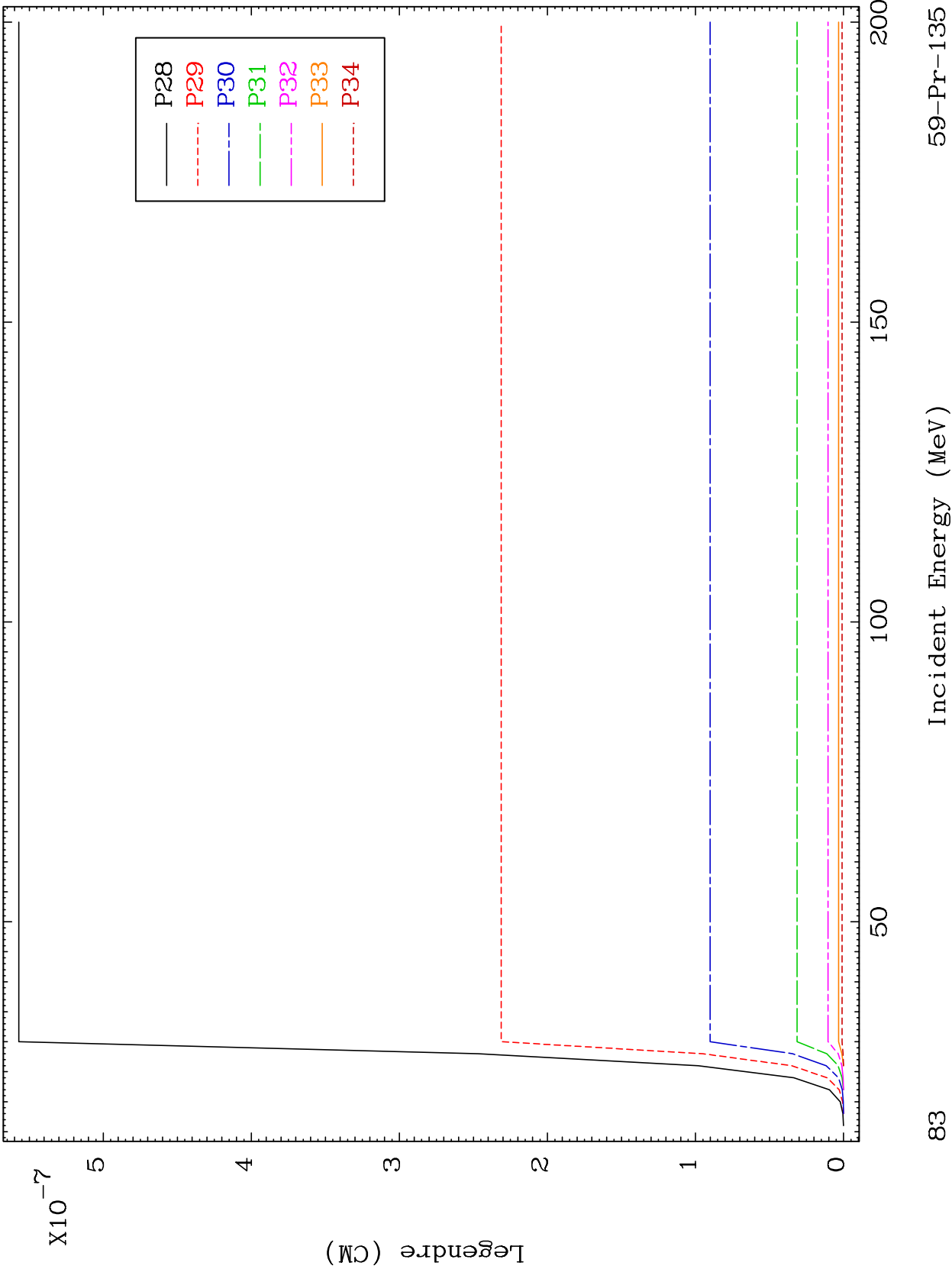
59-Pr-135



MAT 5907

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

59-Pr-135



83

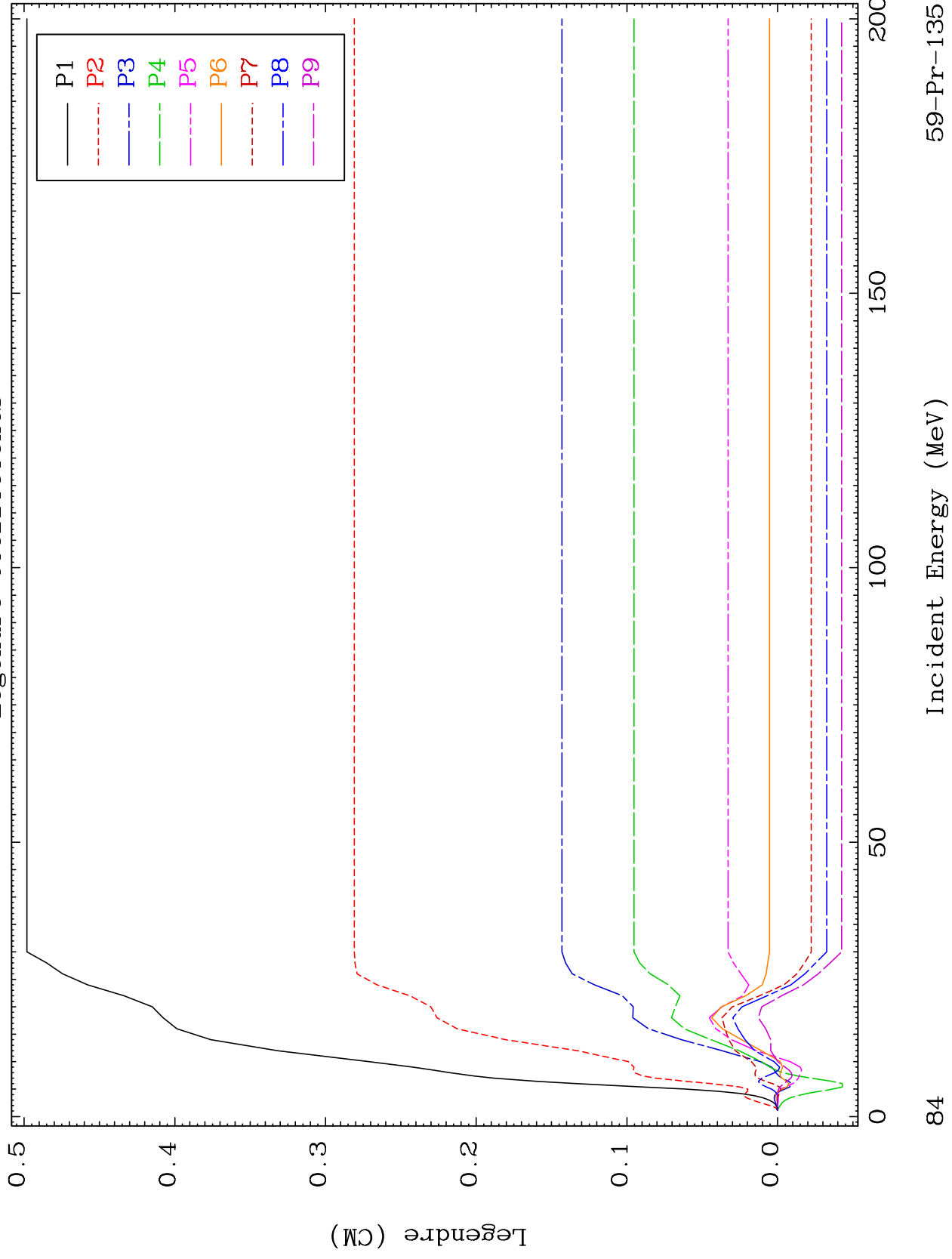
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

59-Pr-135



84

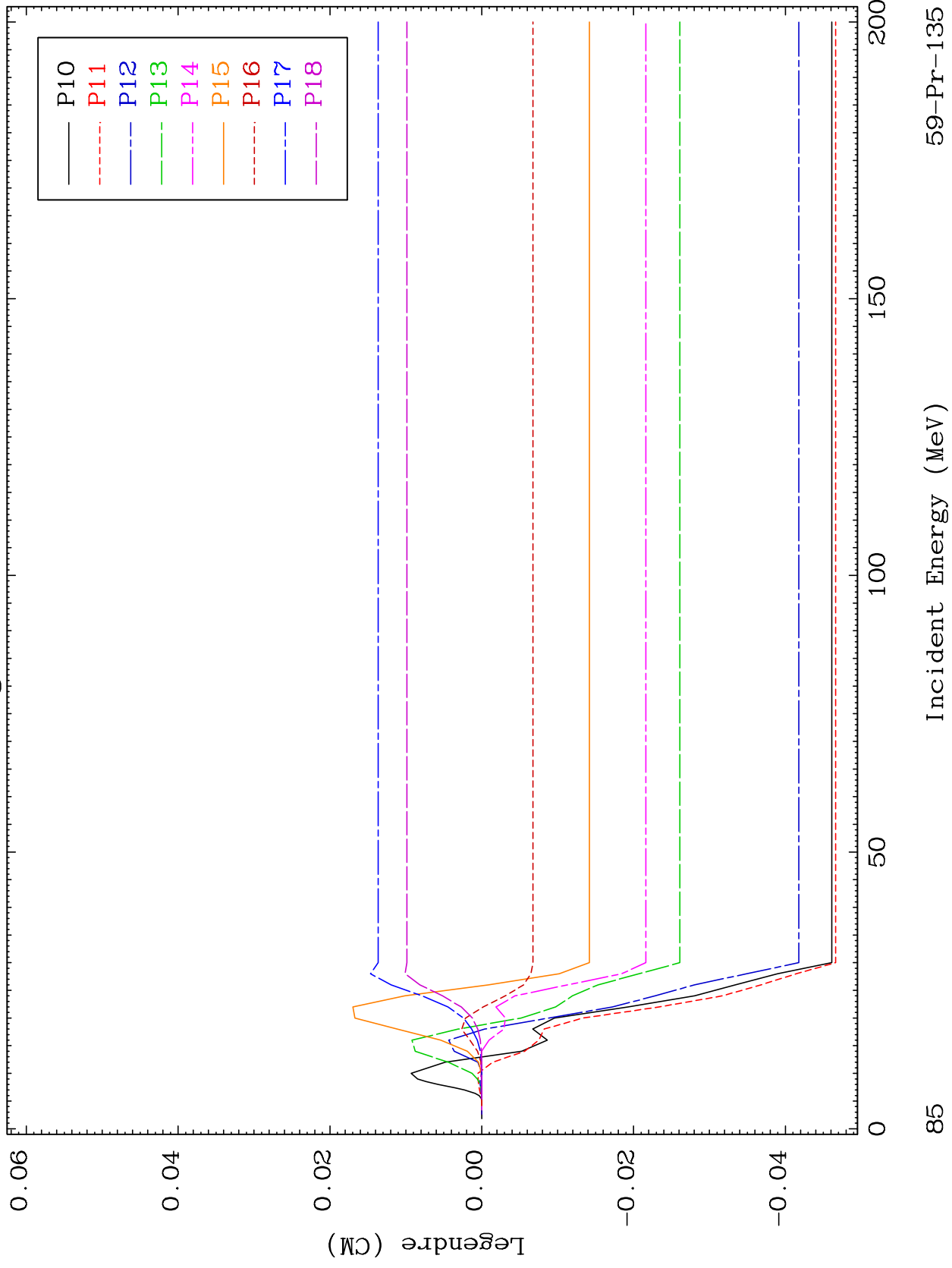
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

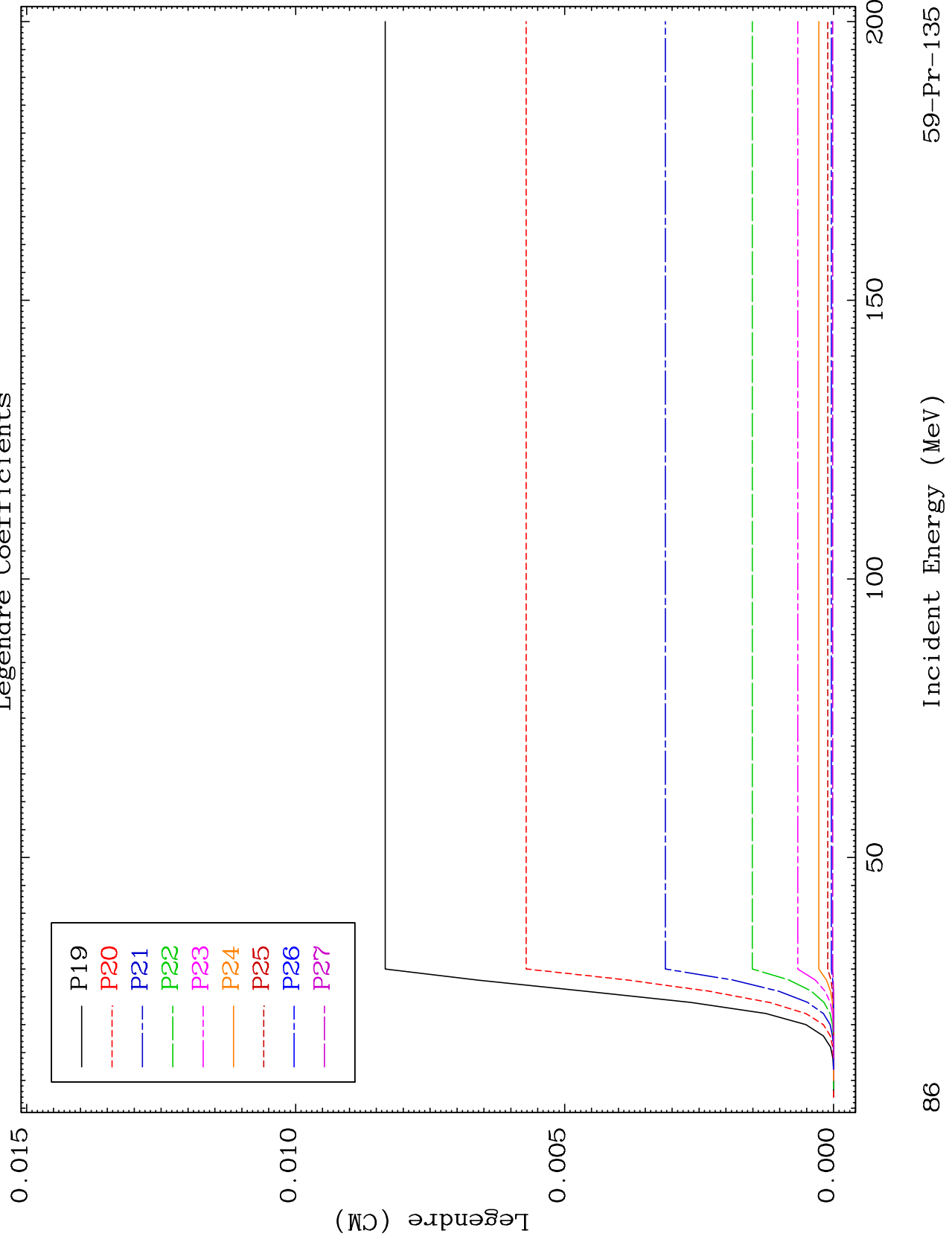
59-Pr-135



59-Pr-135

Incident Energy (MeV)

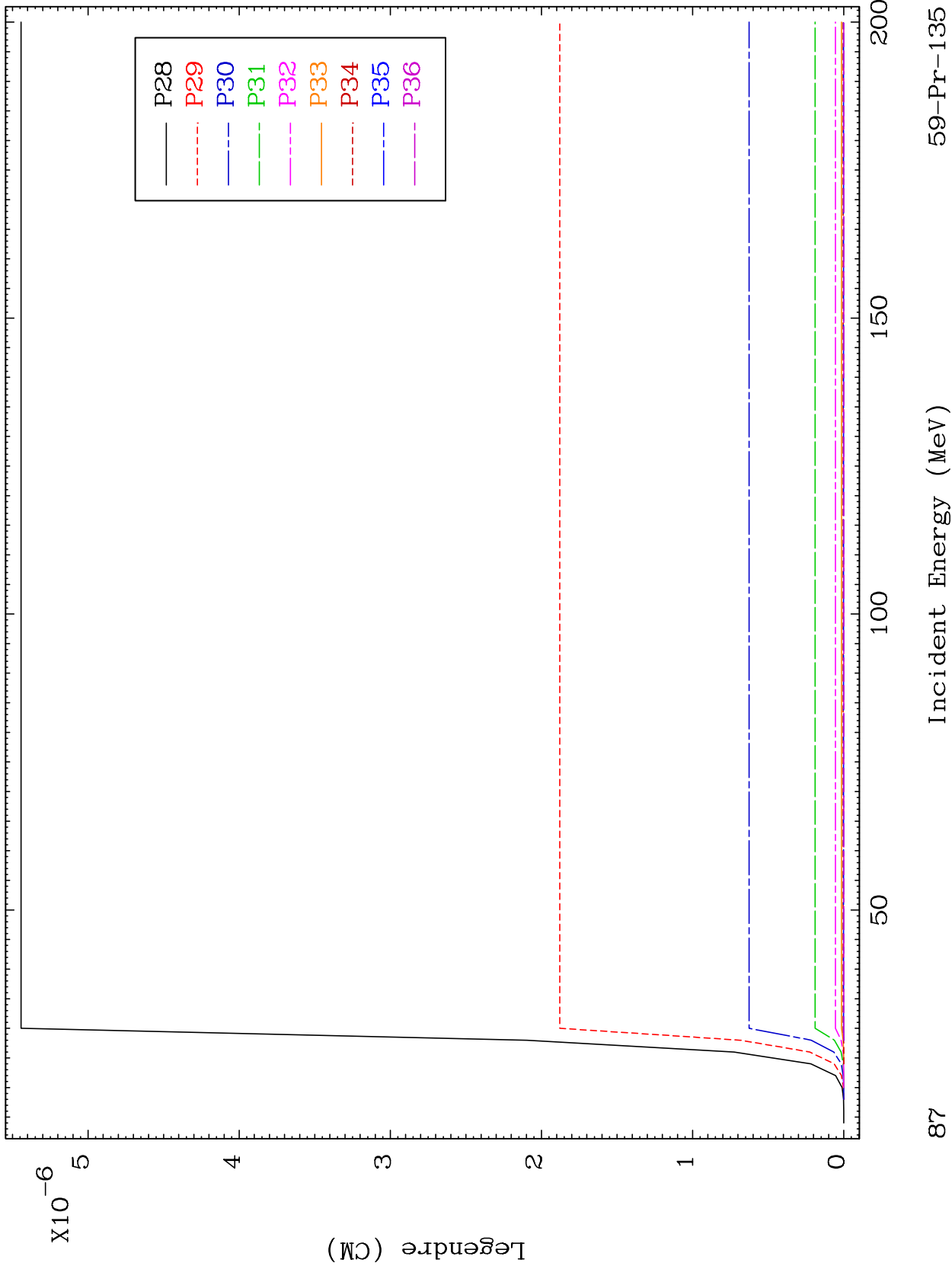
85



MAT 5907

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

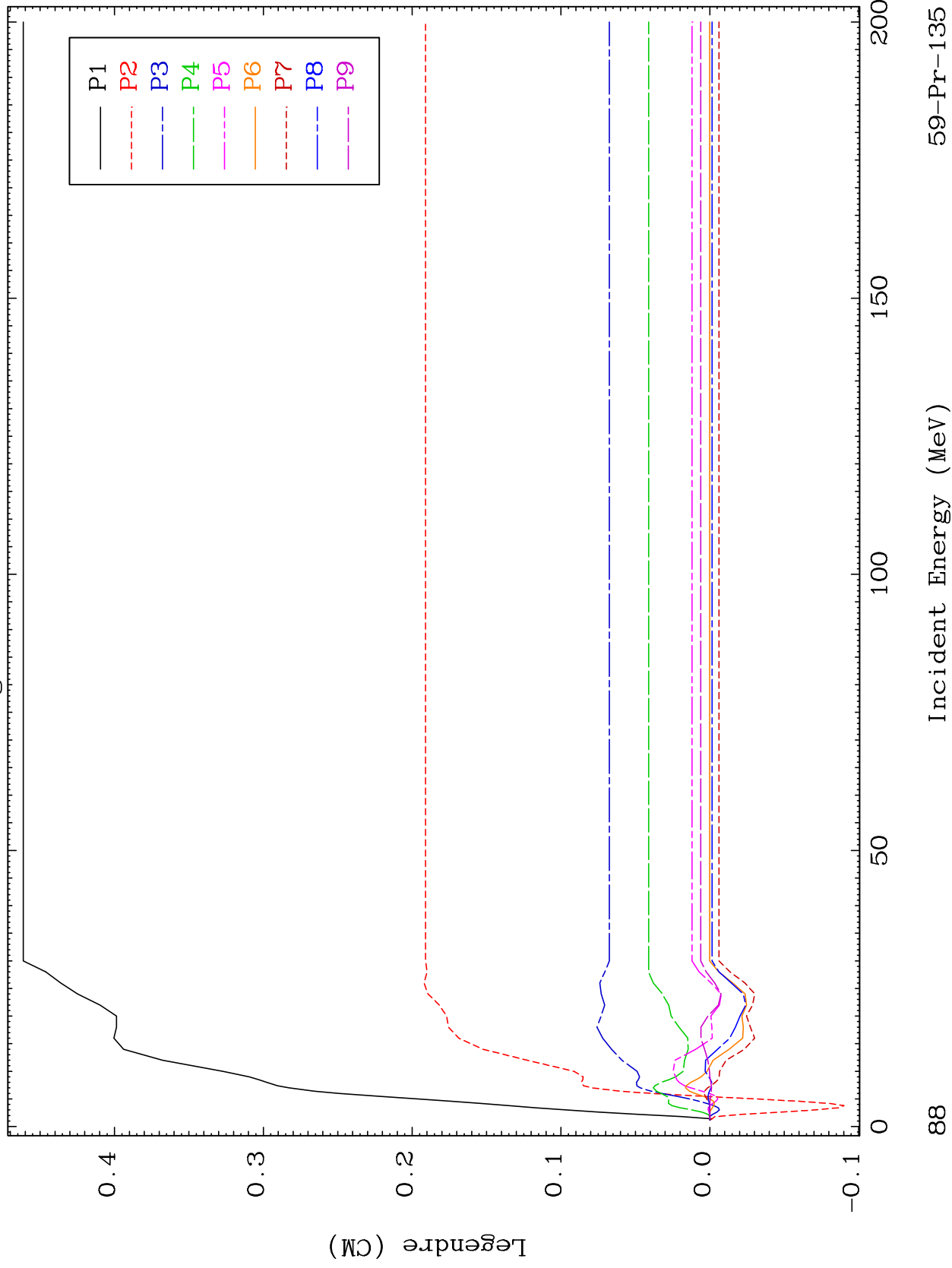
59-Pr-135



MAT 5907

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

59-Pr-135



88

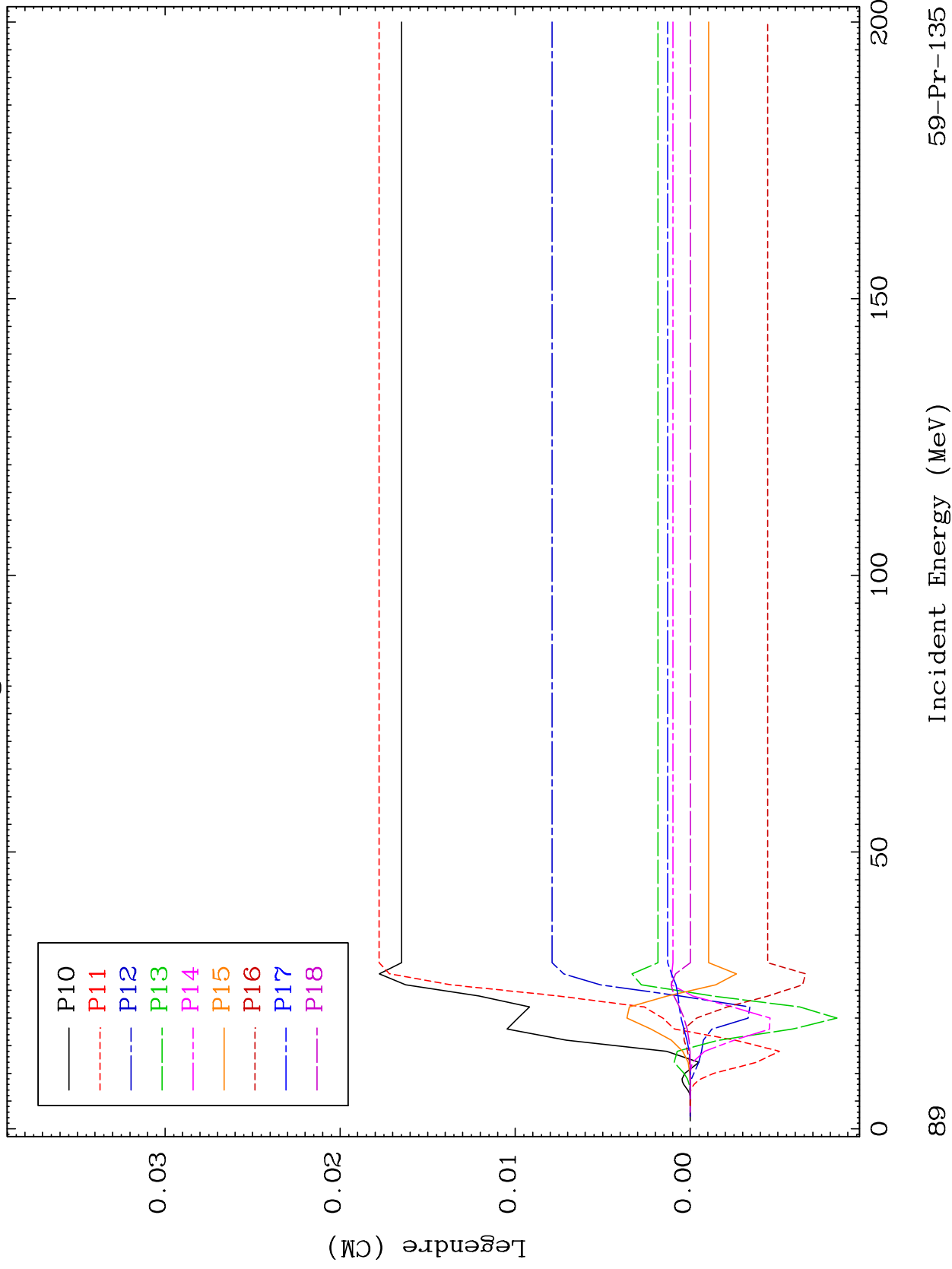
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

59-Pr-135



89

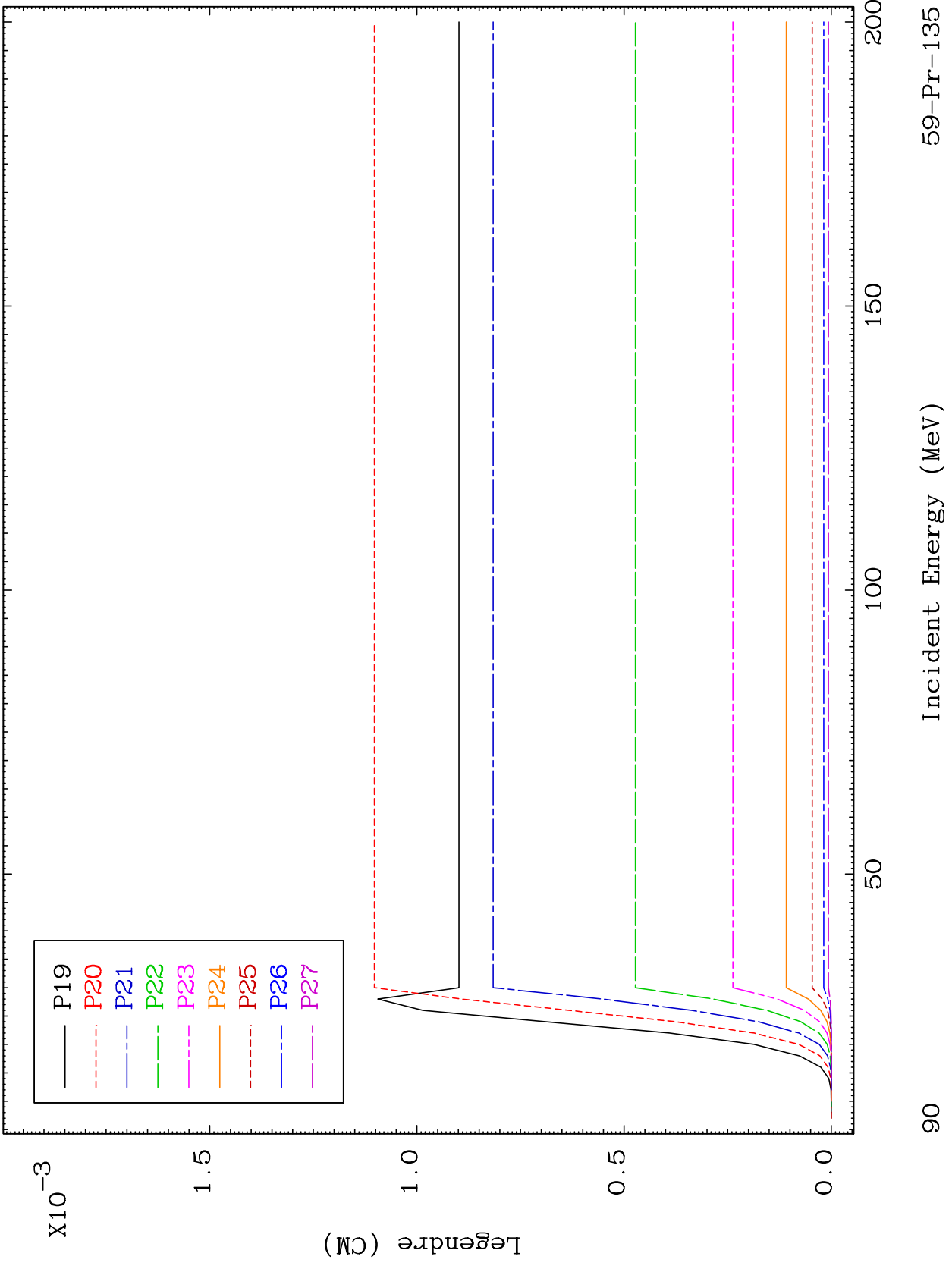
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

59-Pr-135



90

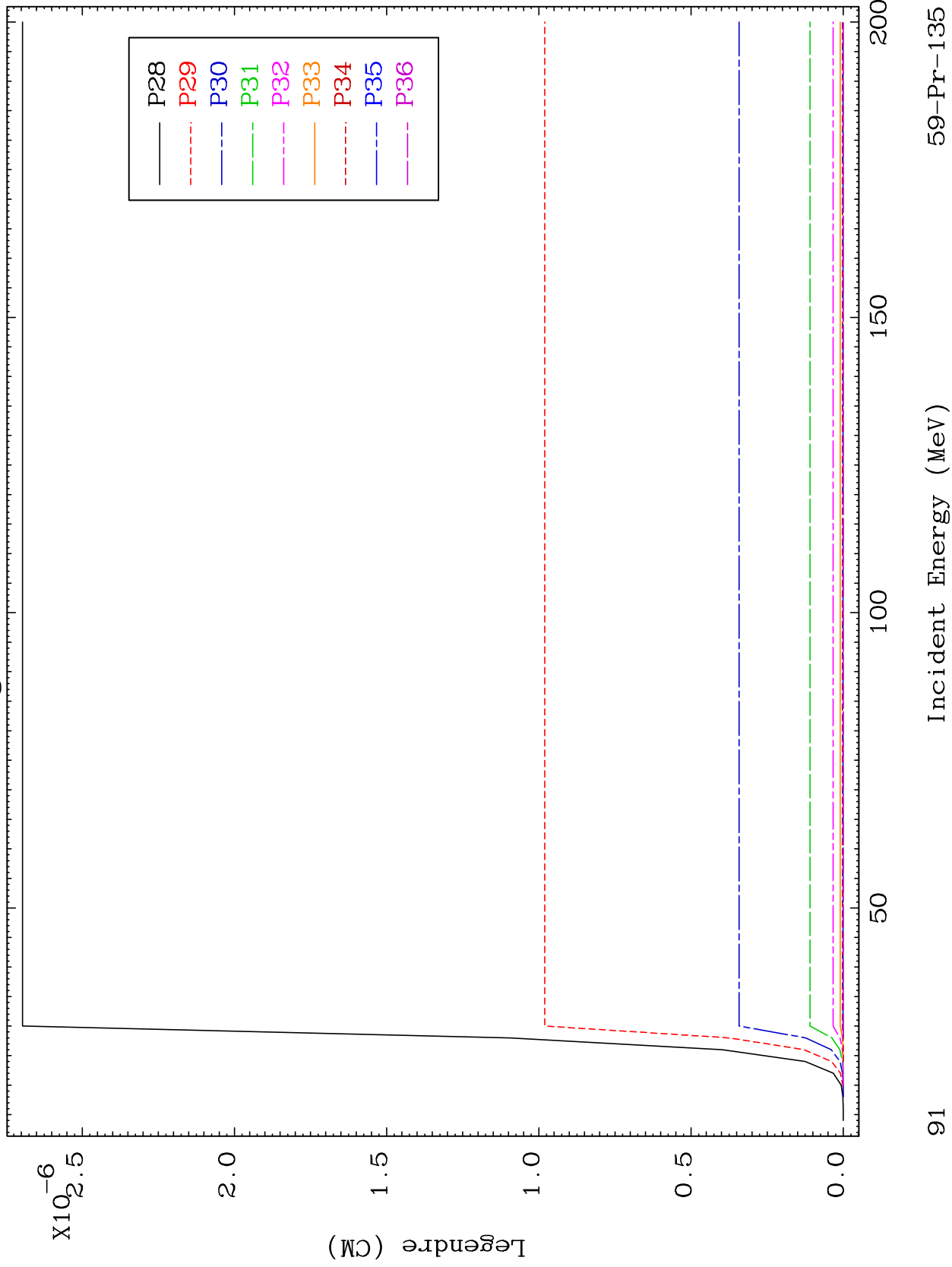
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

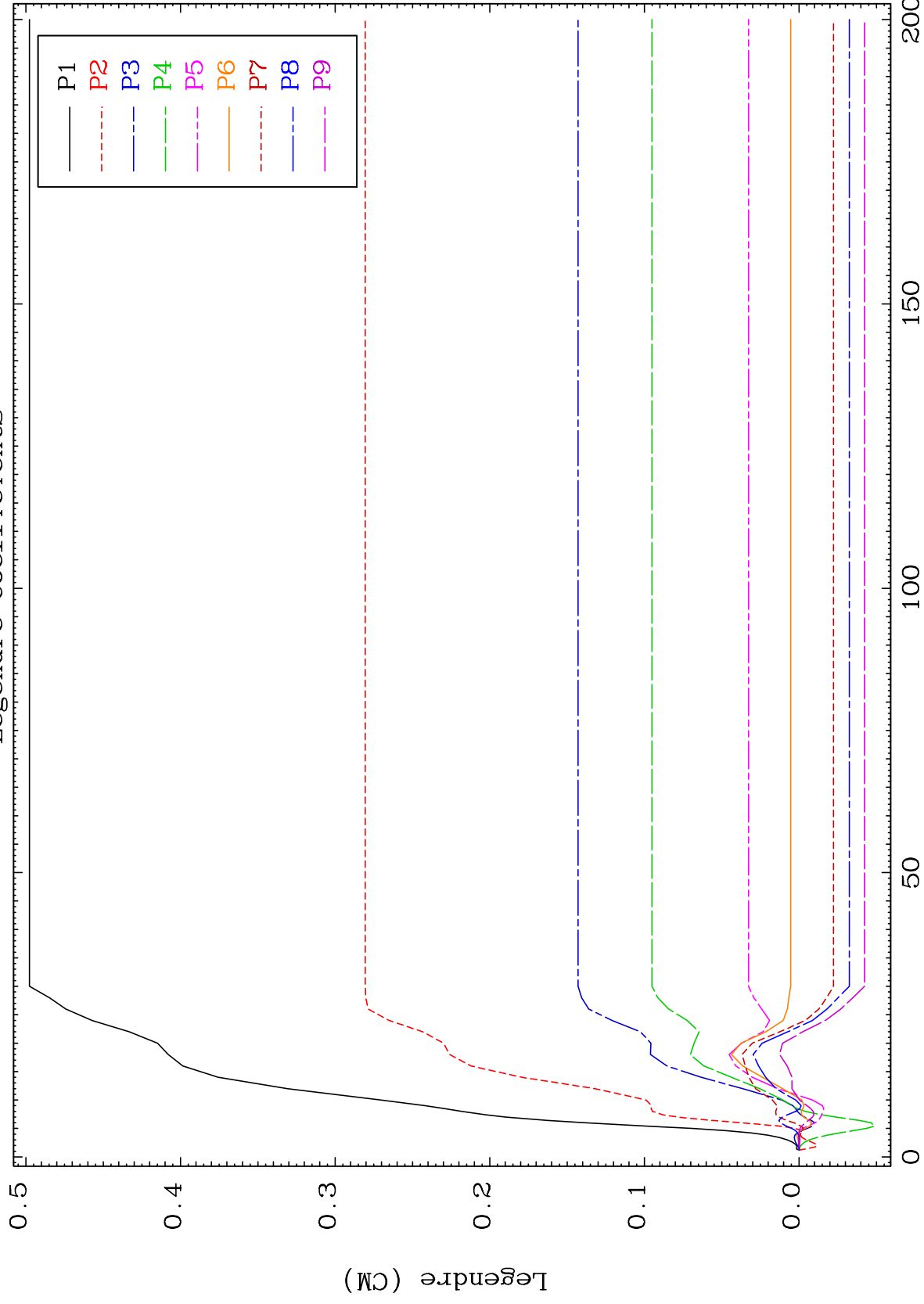
59-Pr-135



MAT 5907

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

59-Pr-135



92

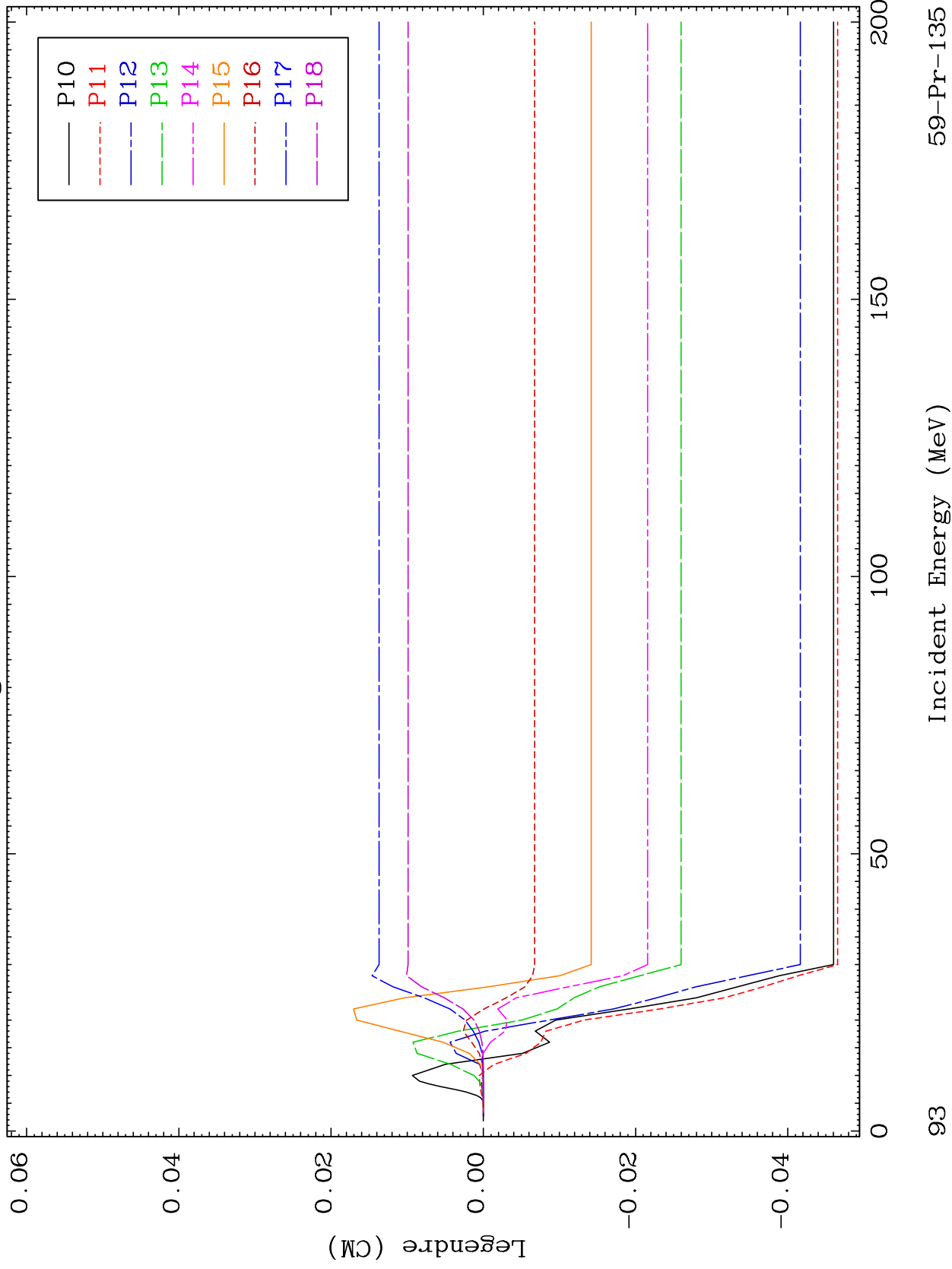
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

59-Pr-135



93

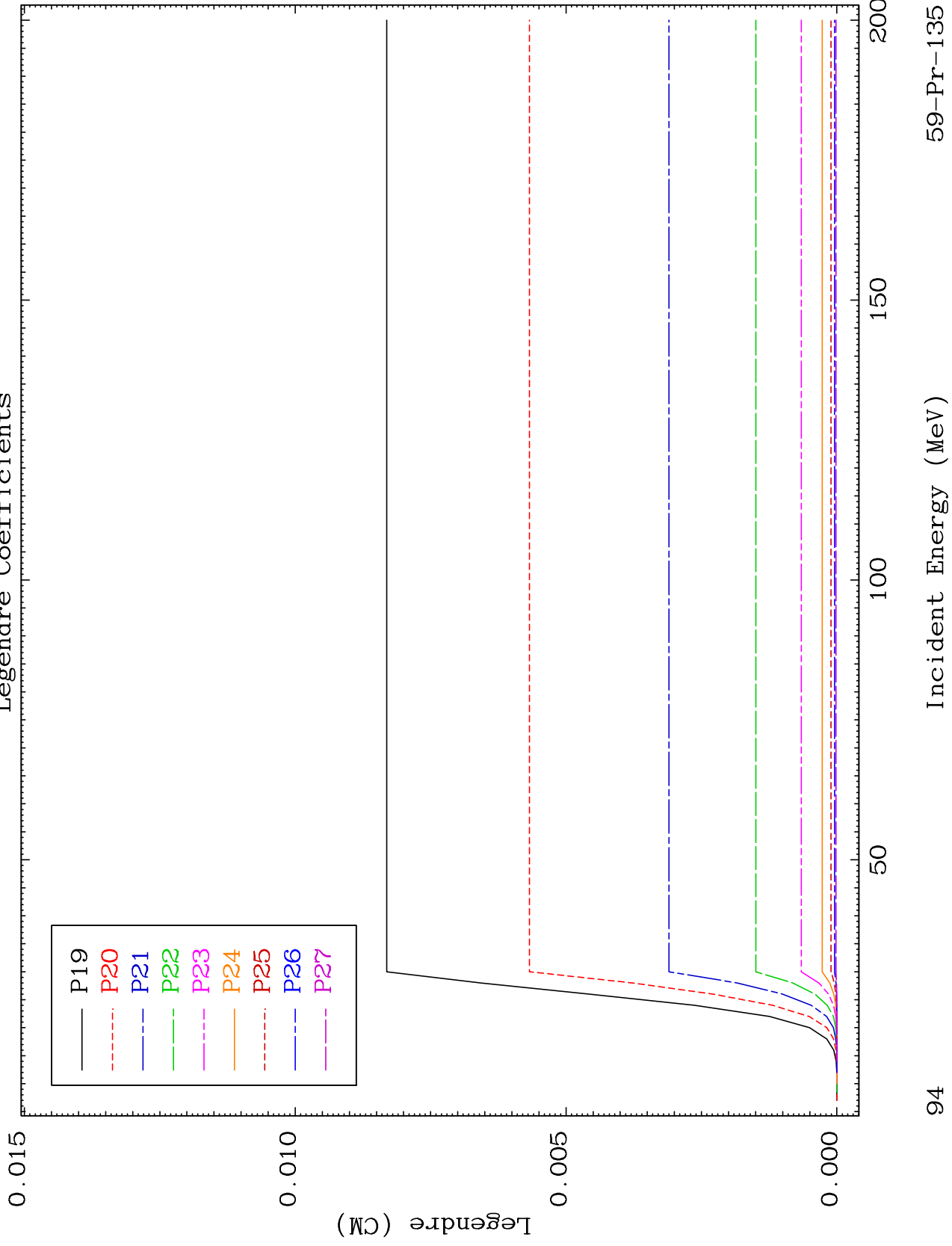
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

59-Pr-135



94

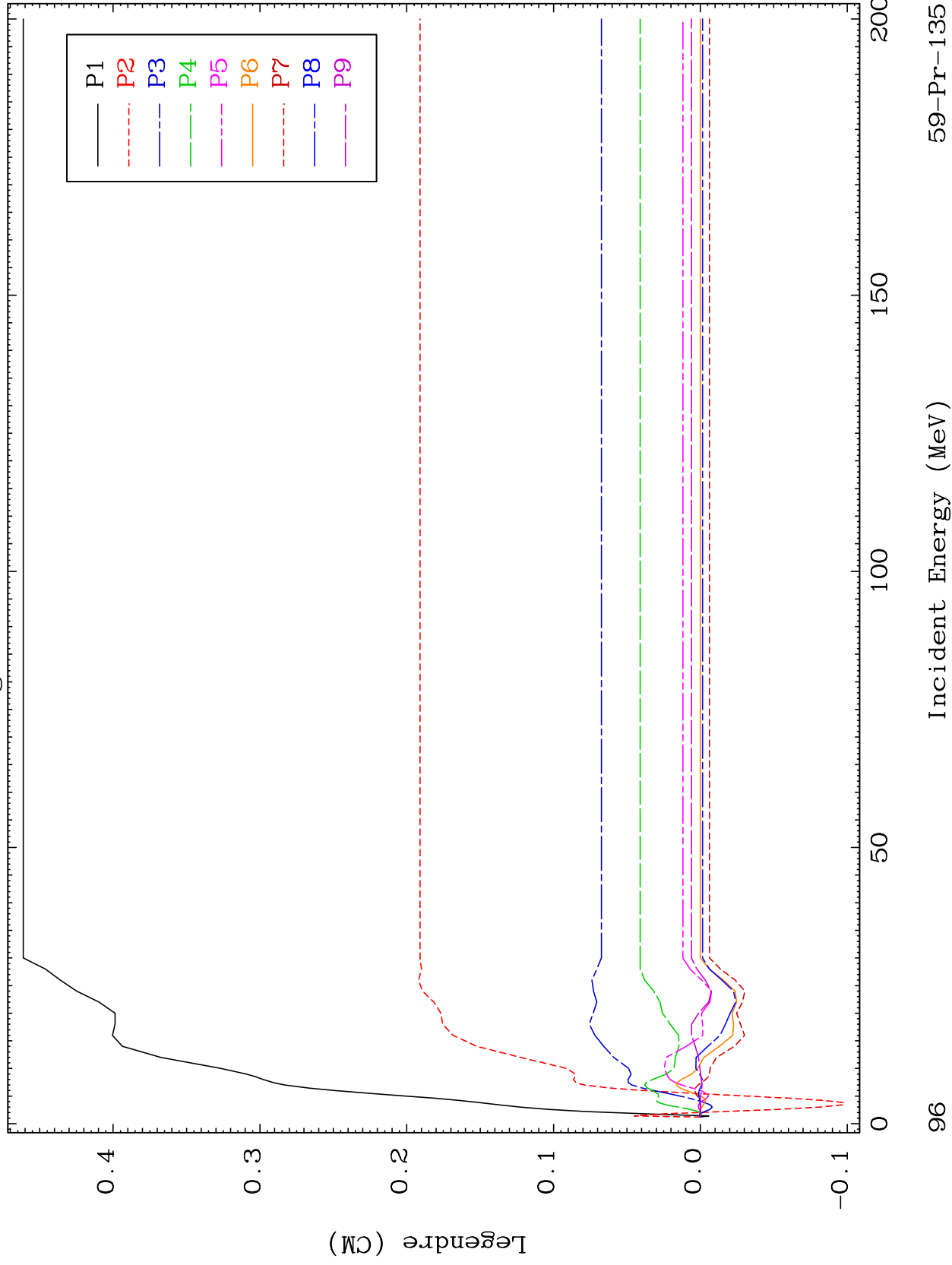
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

59-Pr-135



59-Pr-135

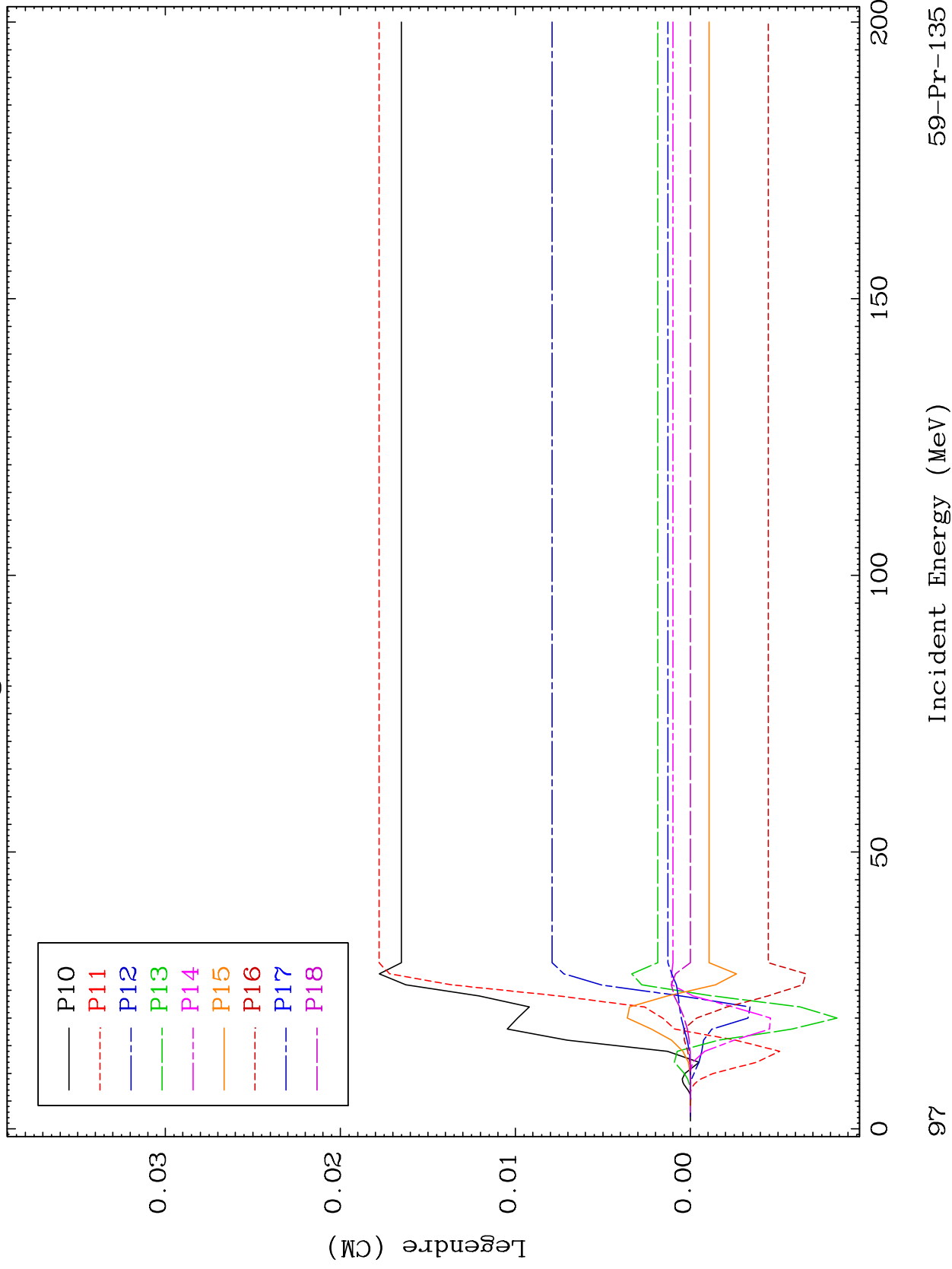
Incident Energy (MeV)

96

MAT 5907

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

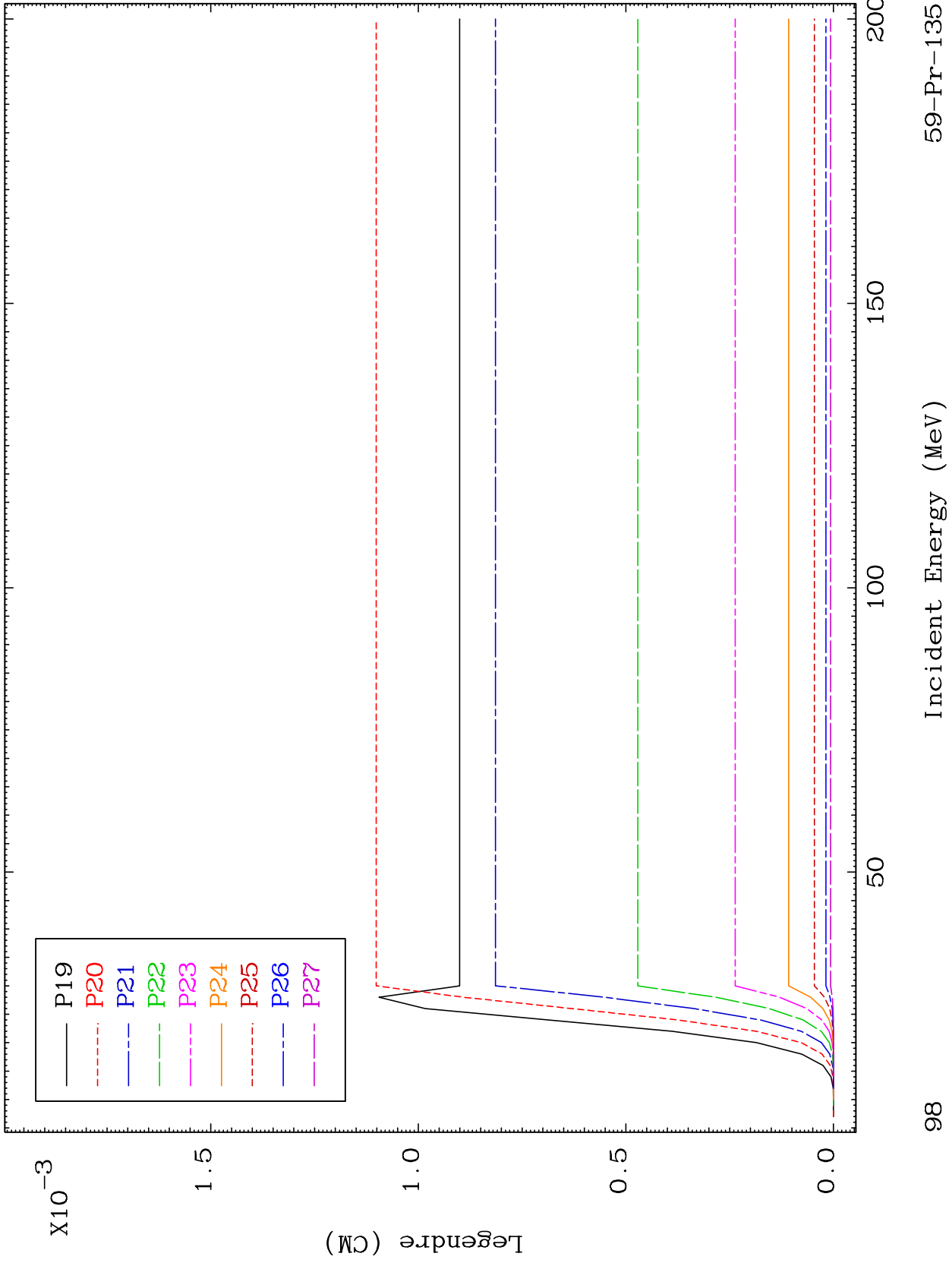
59-Pr-135



97

Incident Energy (MeV)

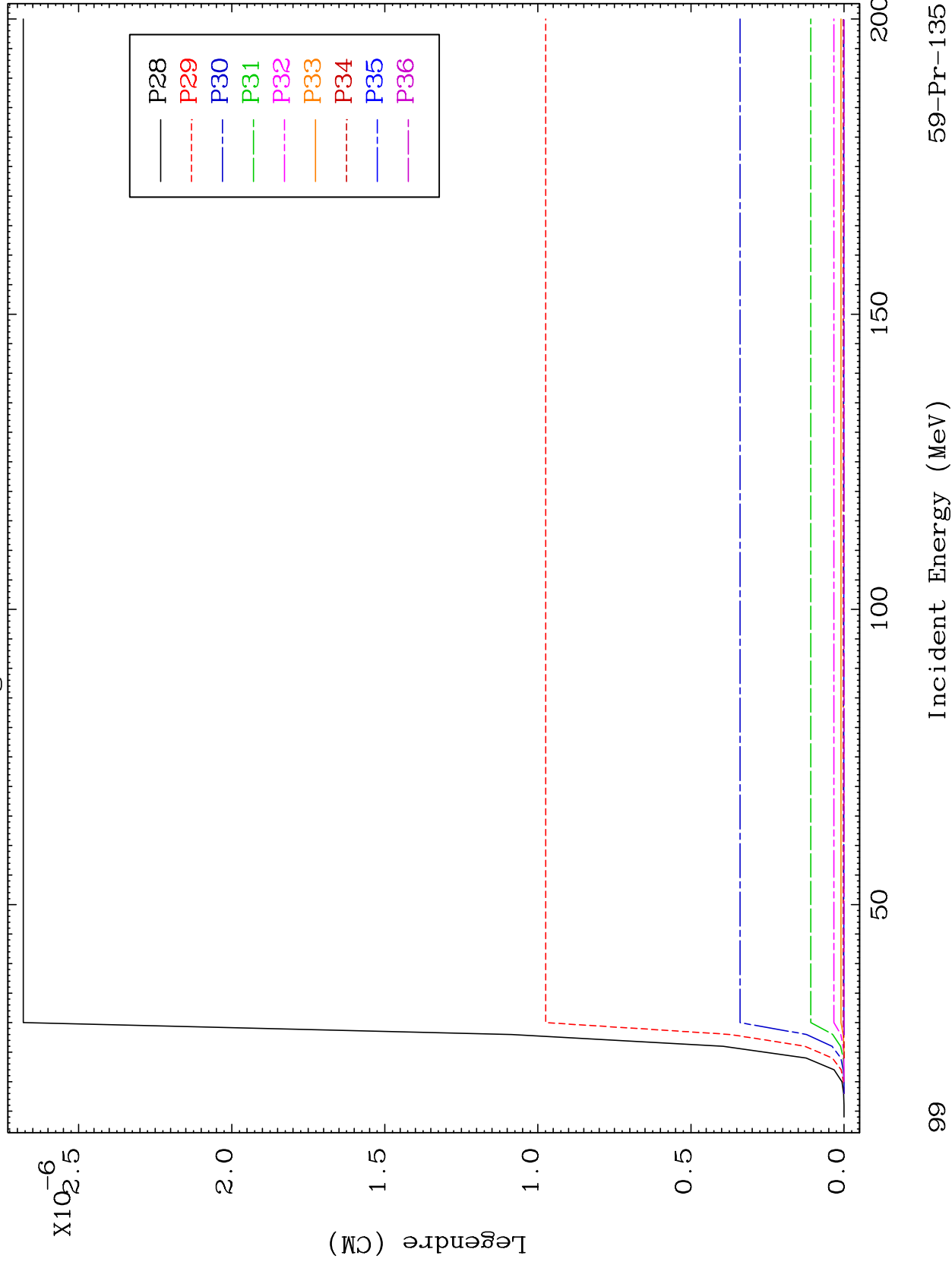
59-Pr-135



MAT 5907

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

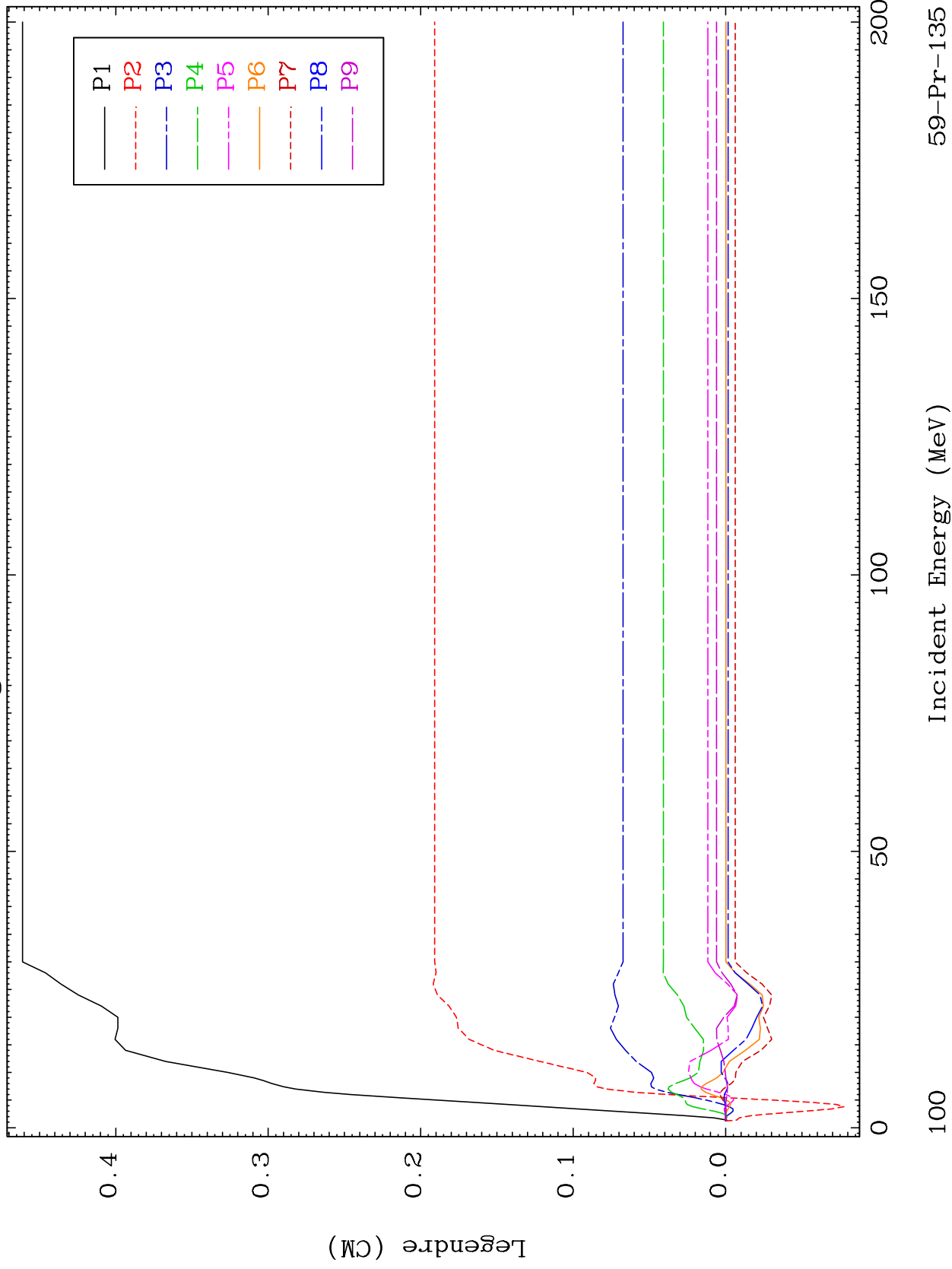
59-Pr-135



MAT 5907

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

59-Pr-135

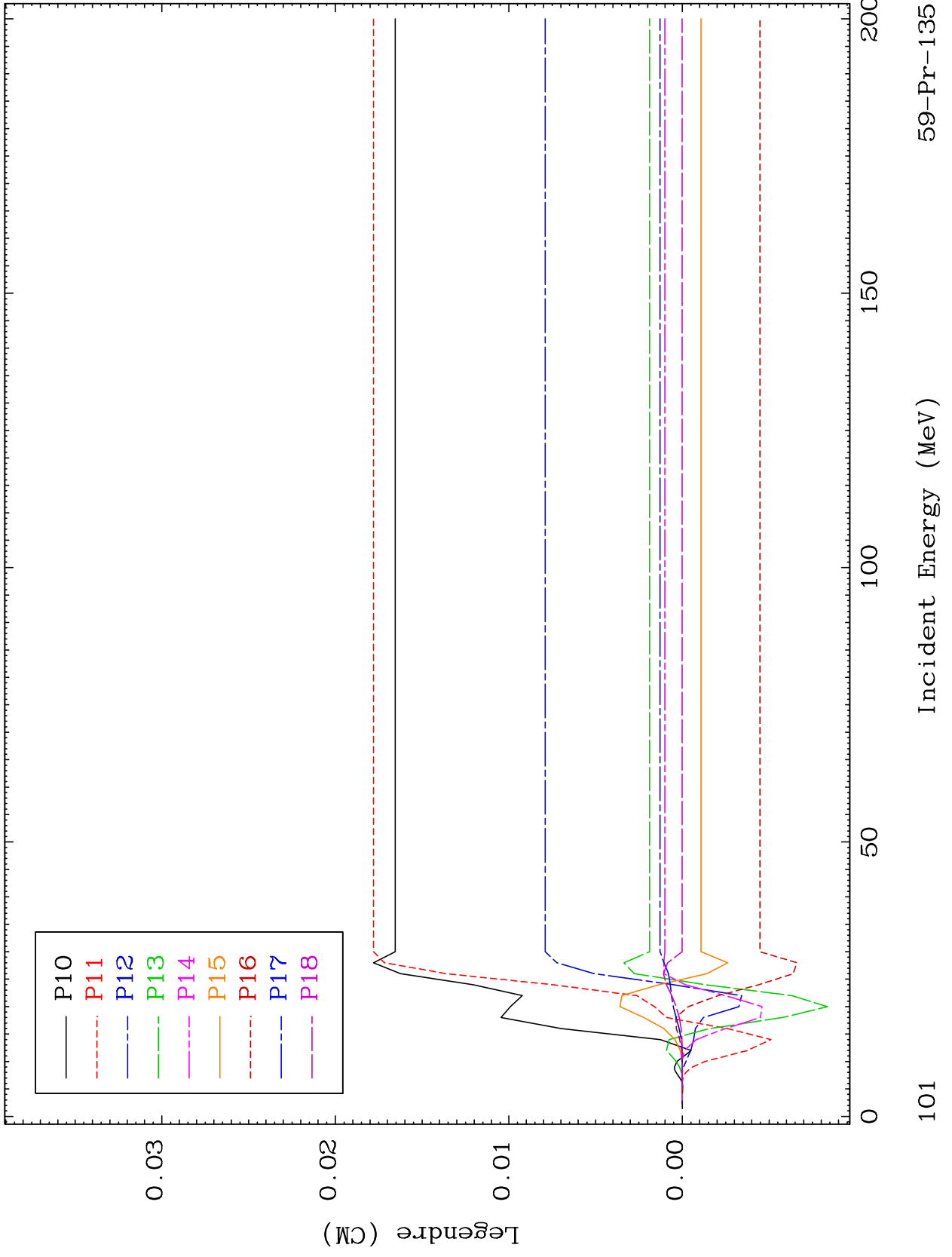


59-Pr-135

MAT 5907

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

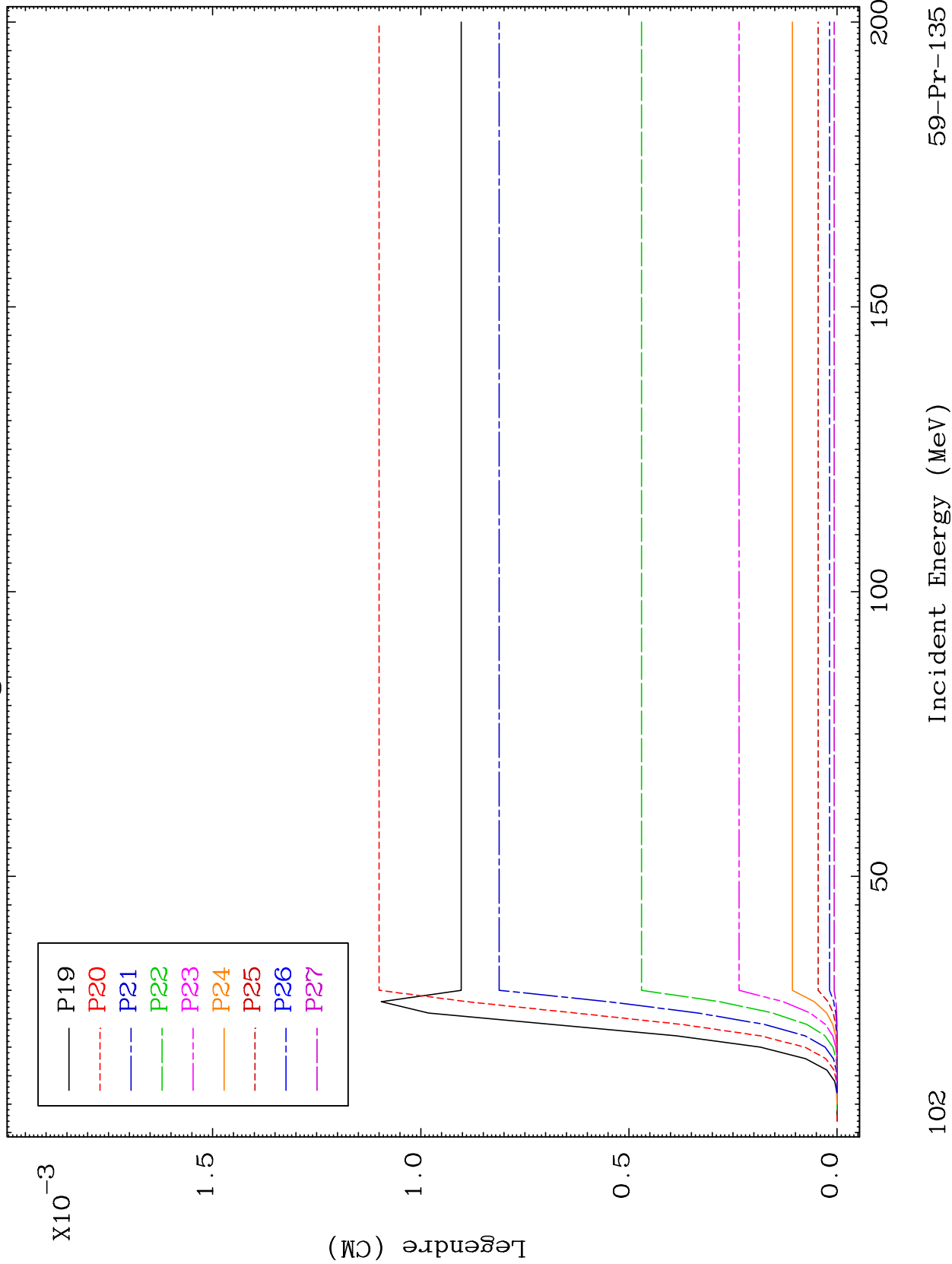
59-Pr-135



101

Incident Energy (MeV)

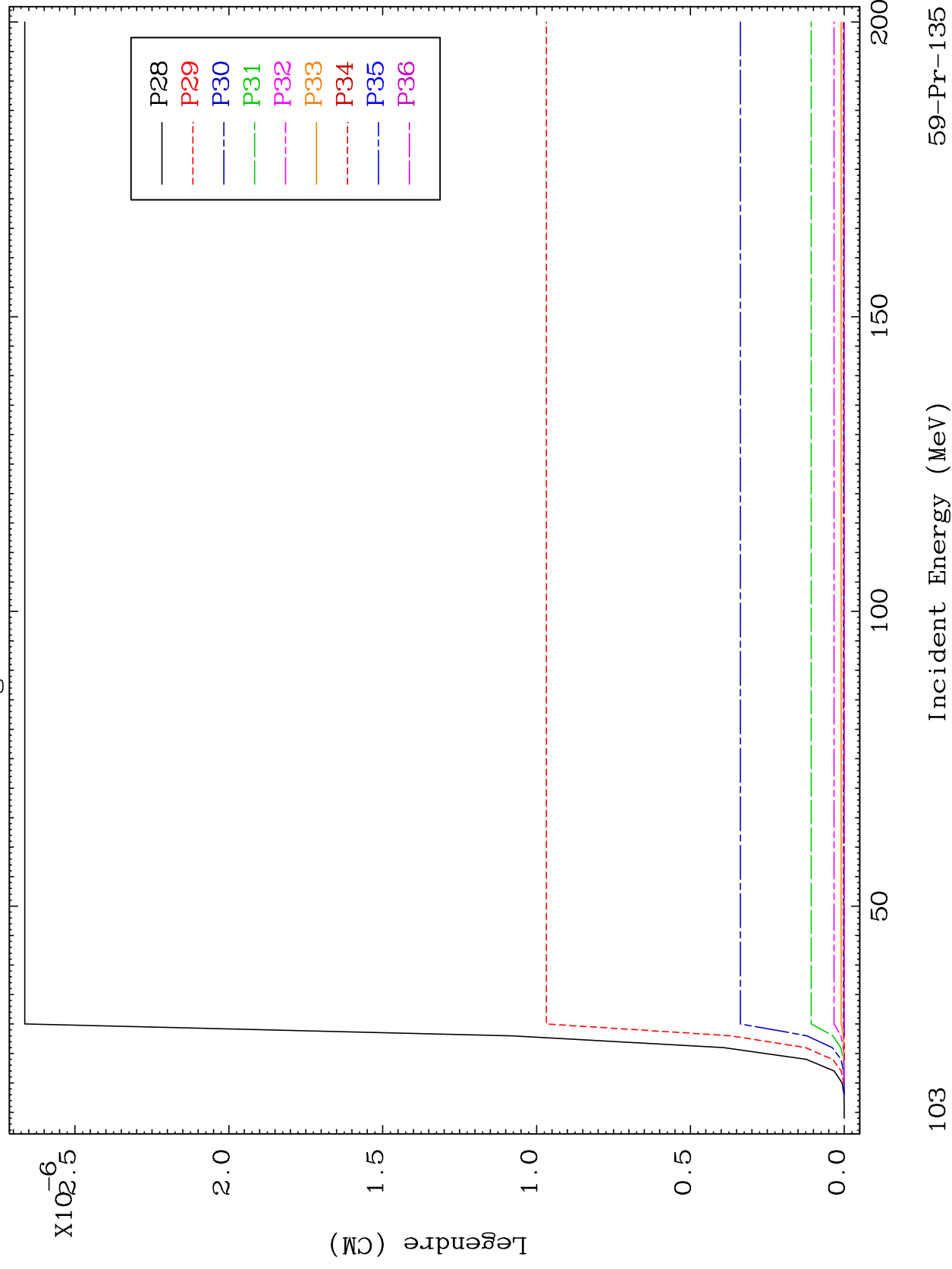
59-Pr-135



MAT 5907

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

59-Pr-135



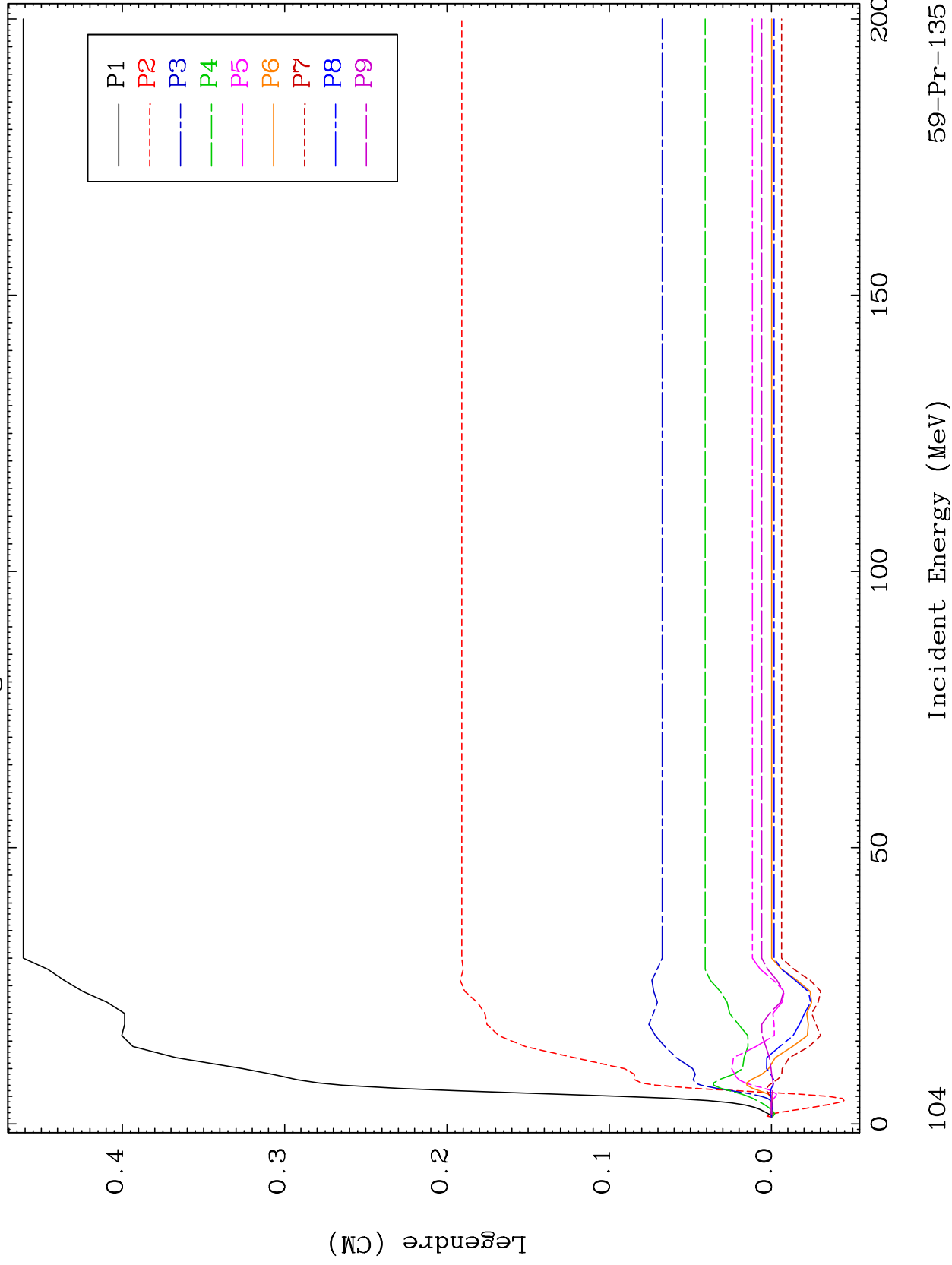
103

59-Pr-135

MAT 5907

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

59-Pr-135



59-Pr-135

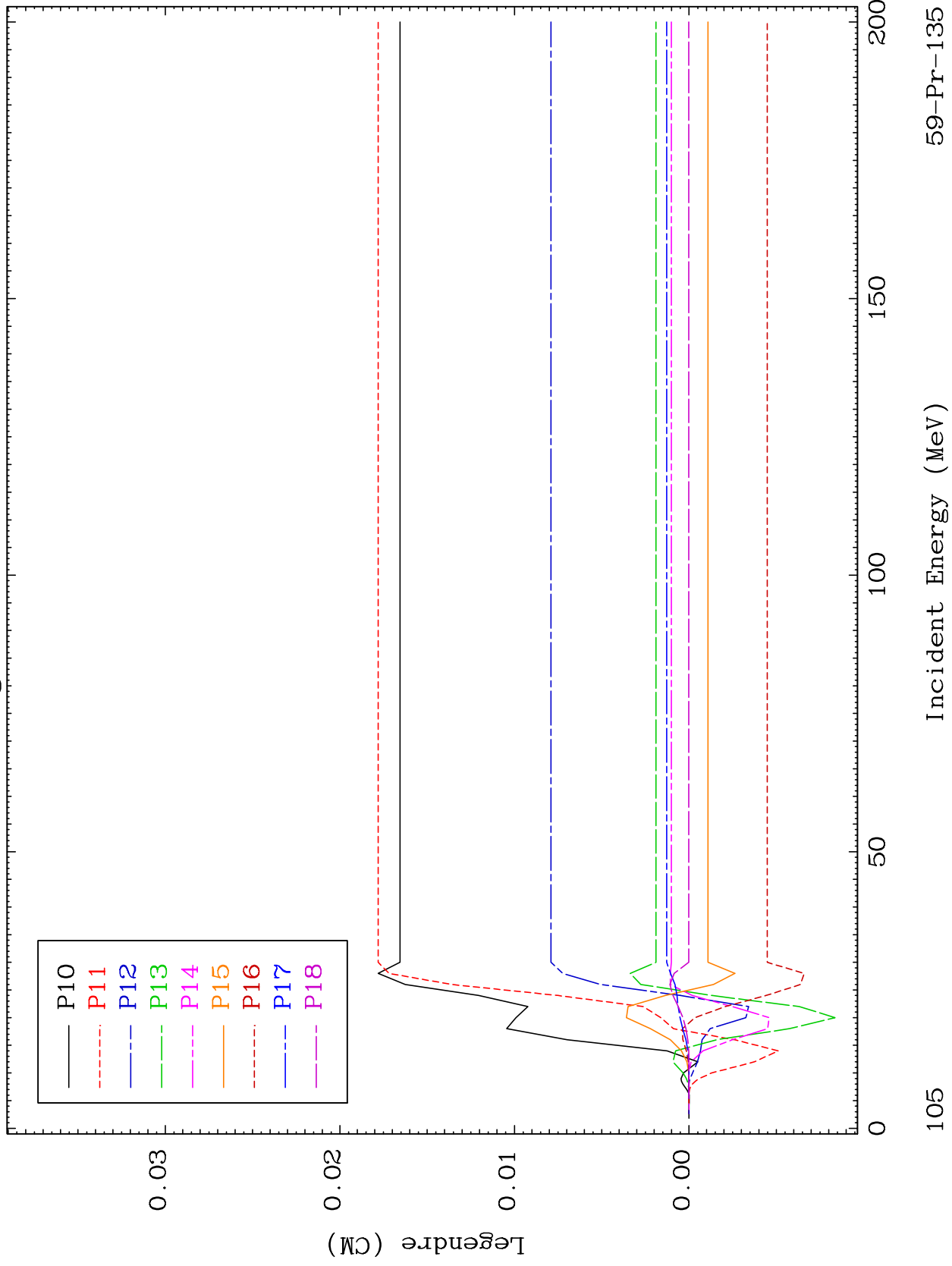
Incident Energy (MeV)

104

MAT 5907

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

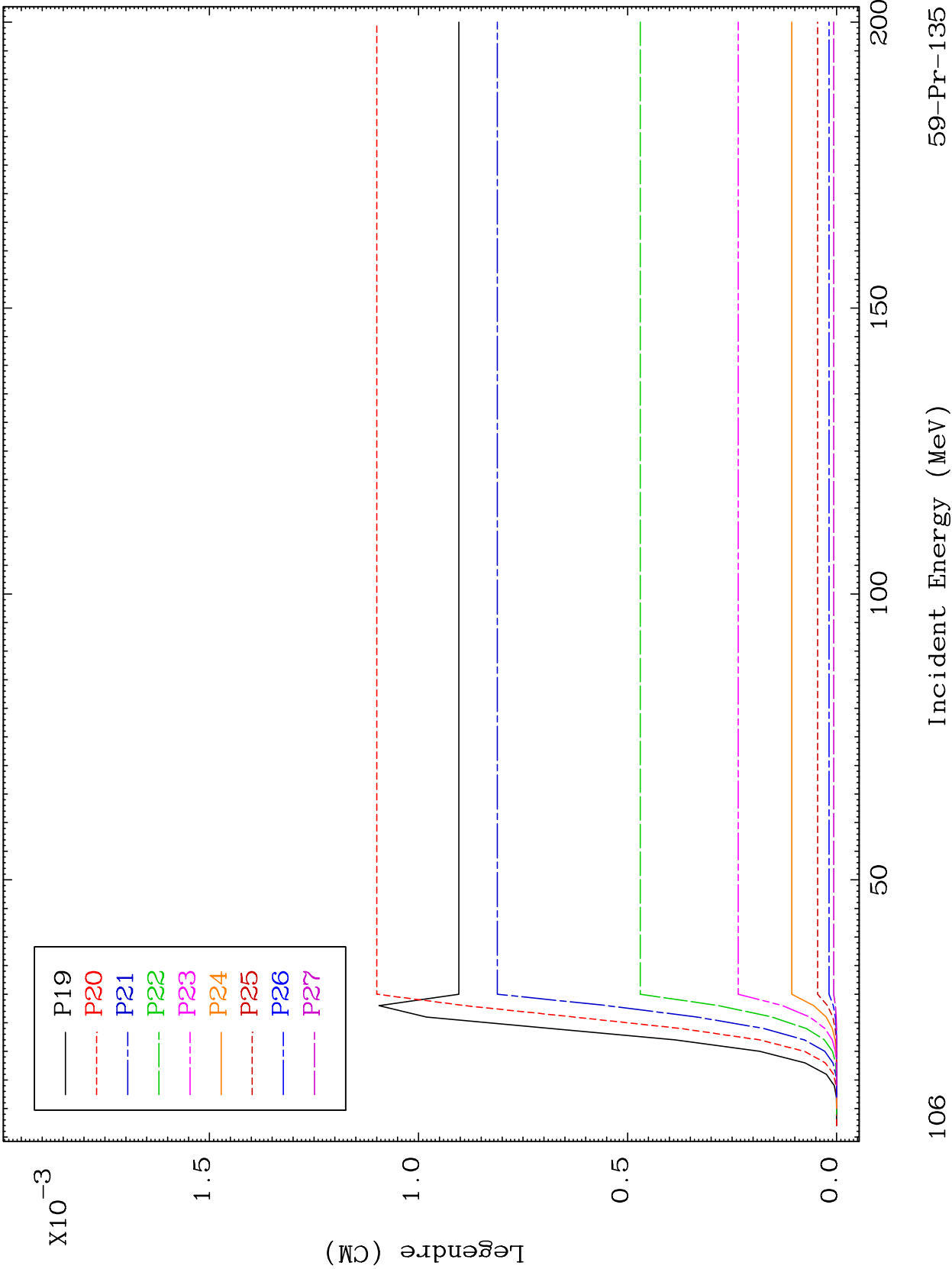
59-Pr-135



59-Pr-135

Incident Energy (MeV)

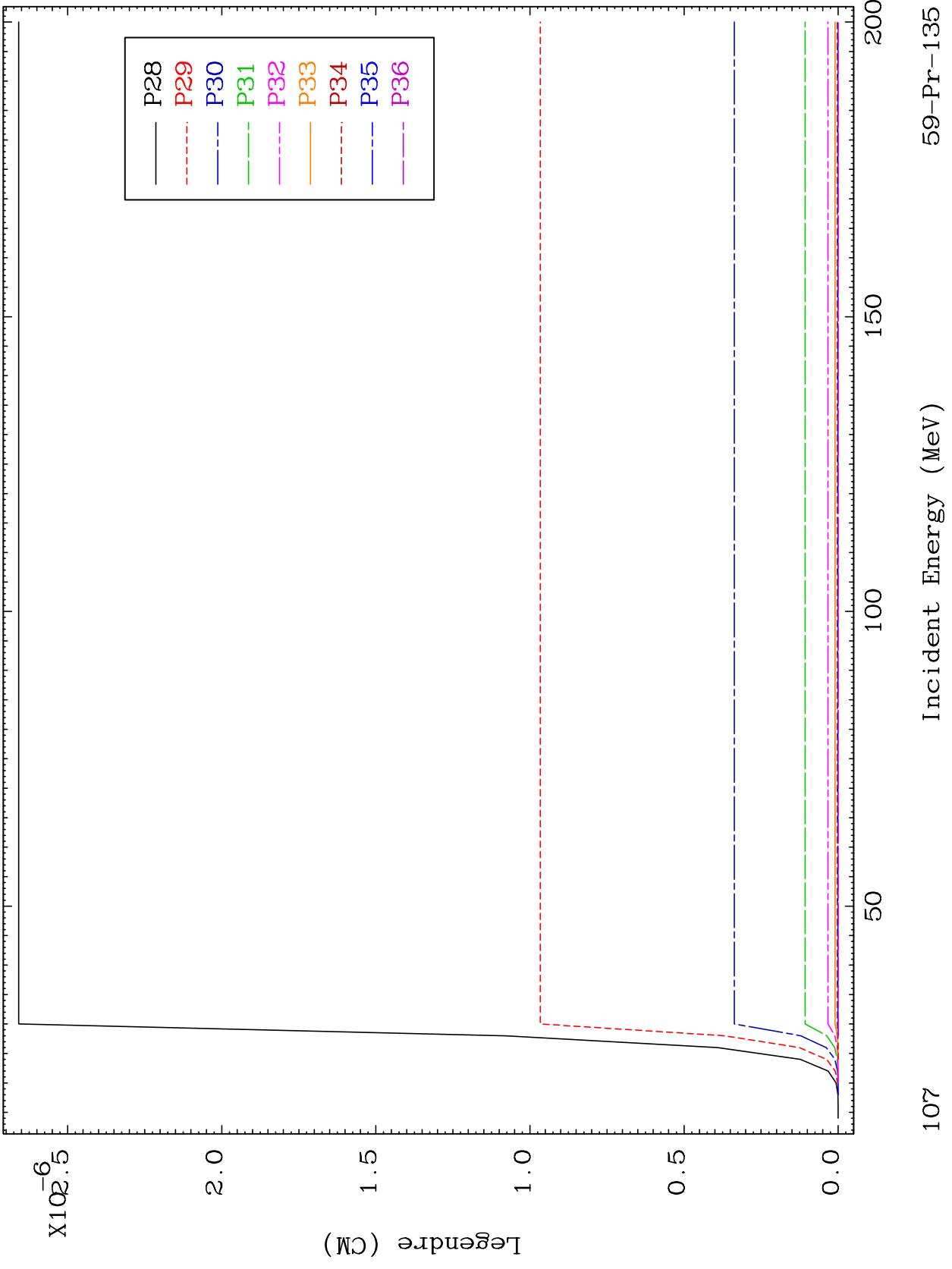
105



MAT 5907

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

59-Pr-135



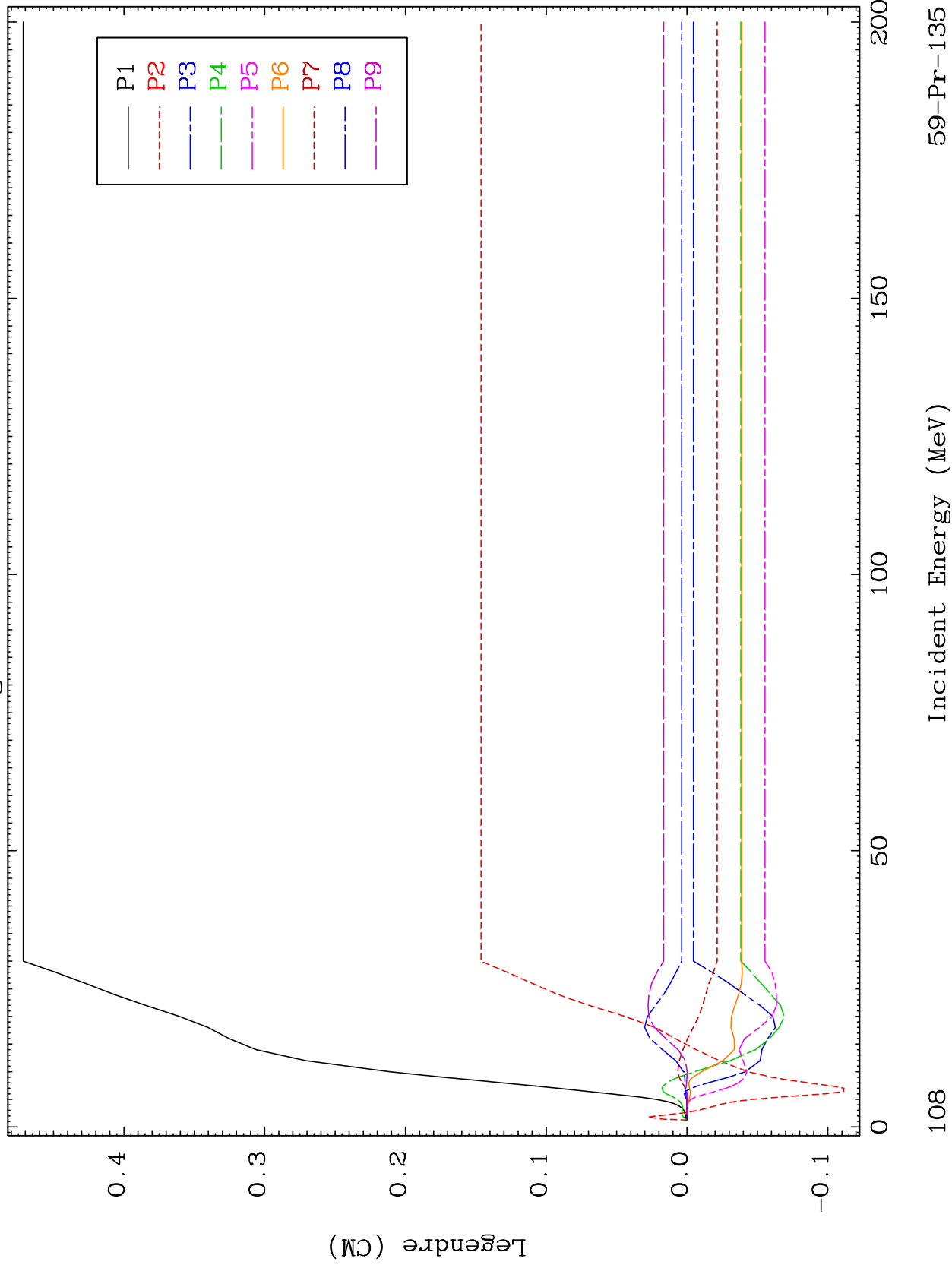
107

59-Pr-135

MAT 5907

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

59-Pr-135



59-Pr-135

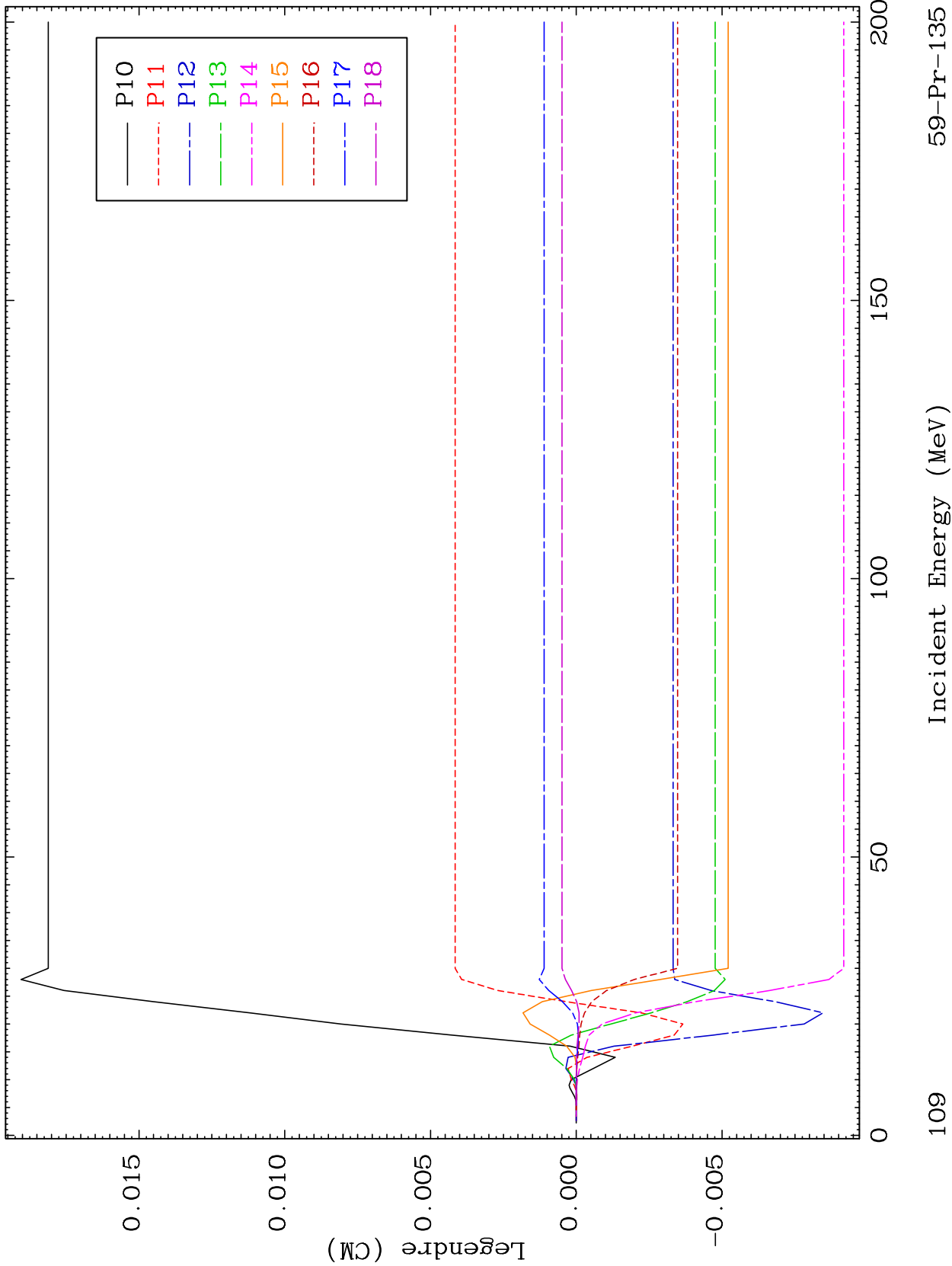
Incident Energy (MeV)

108

MAT 5907

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

59-Pr-135



109

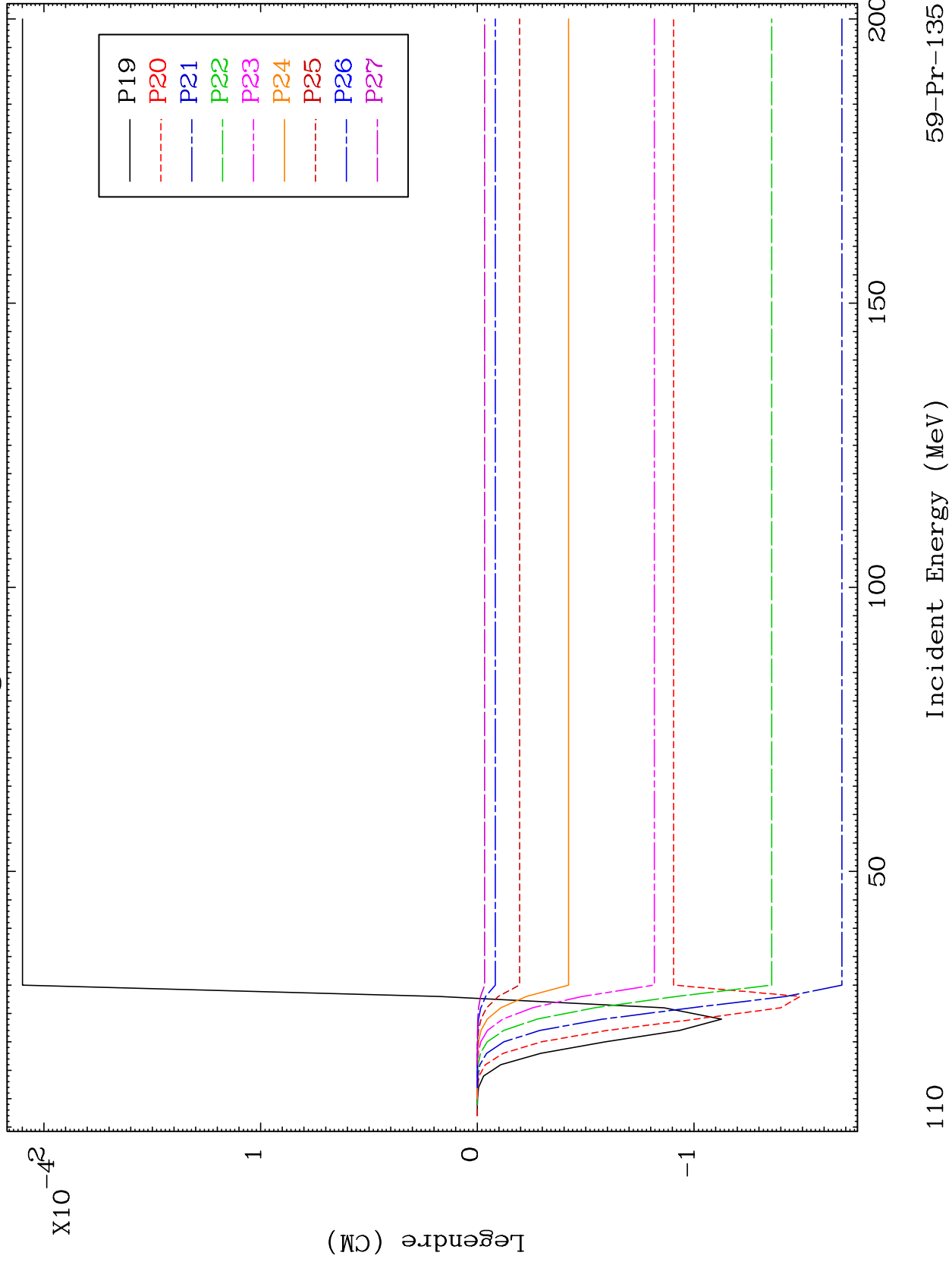
Incident Energy (MeV)

59-Pr-135

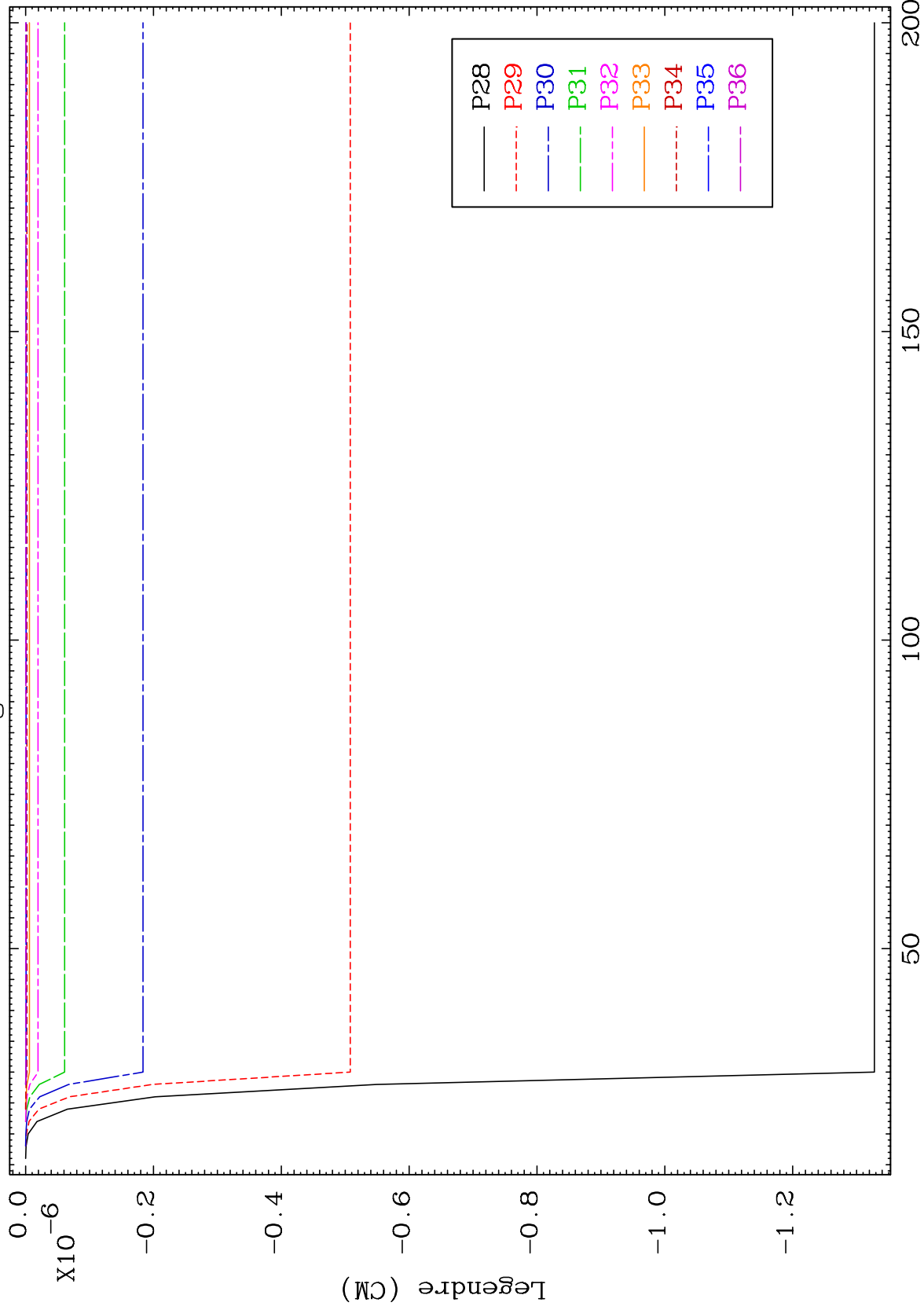
MAT 5907

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

59-Pr-135



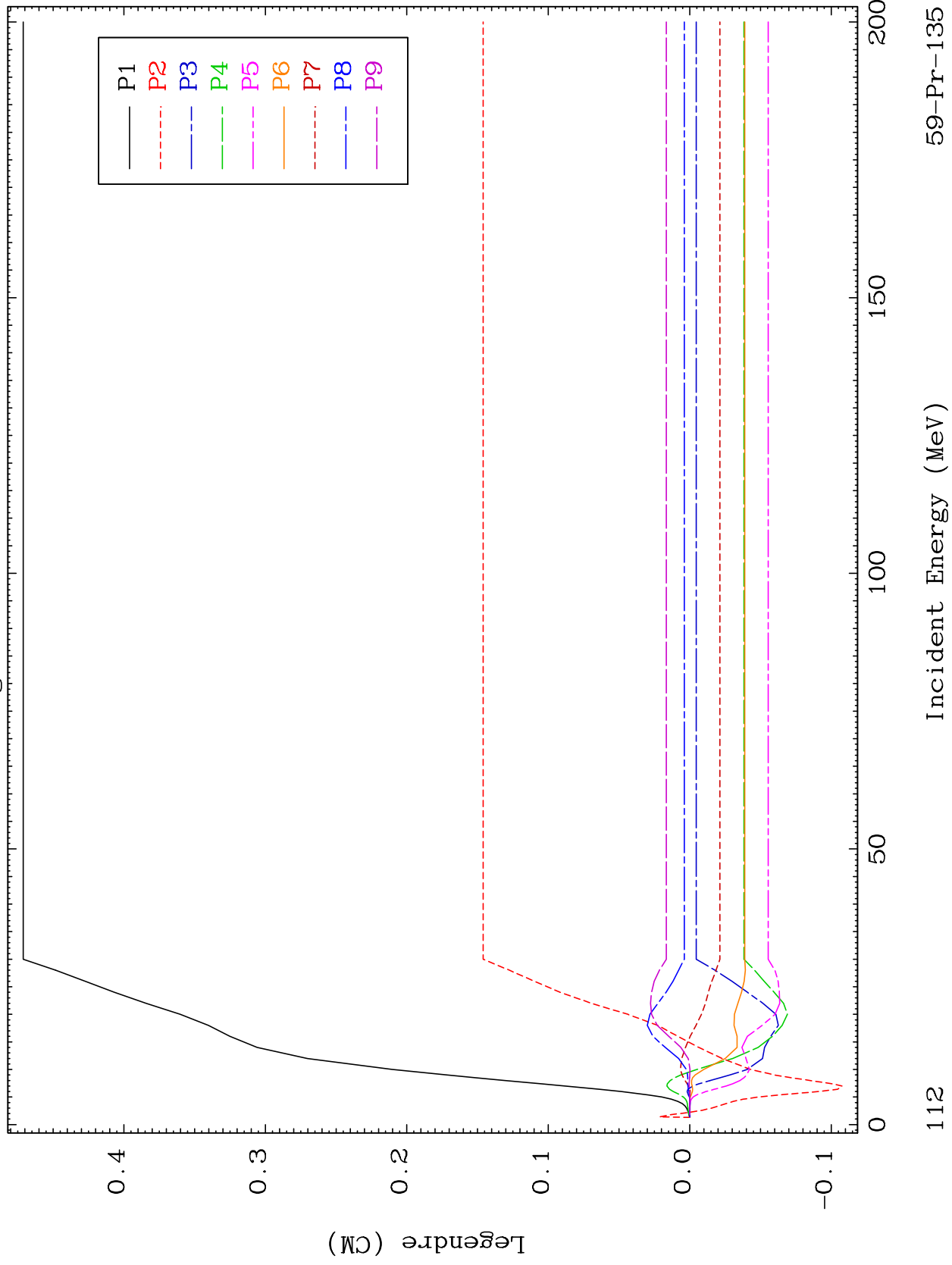
Legendre Coefficients



MAT 5907

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

59-Pr-135



59-Pr-135

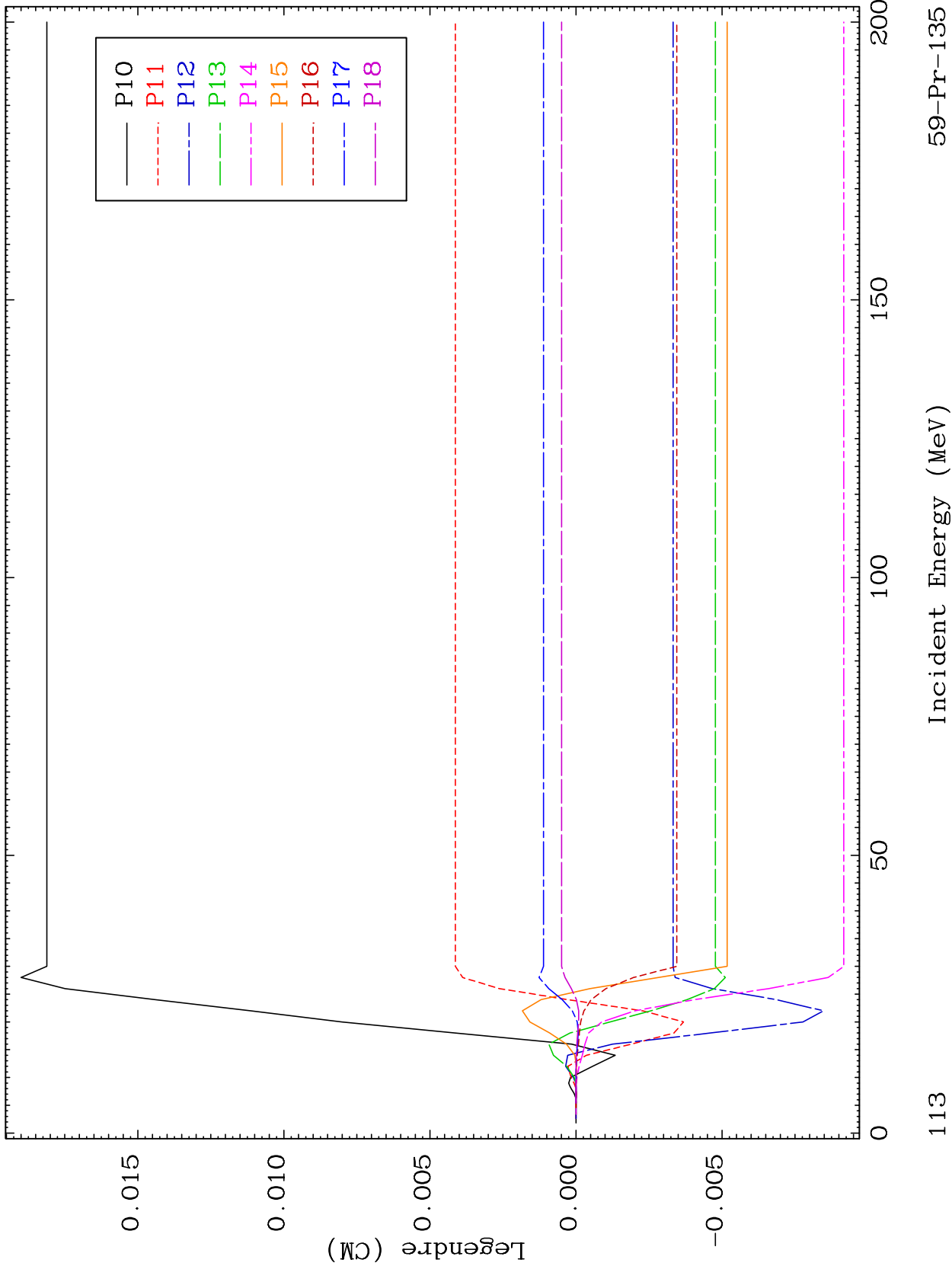
Incident Energy (MeV)

112

MAT 5907

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

59-Pr-135



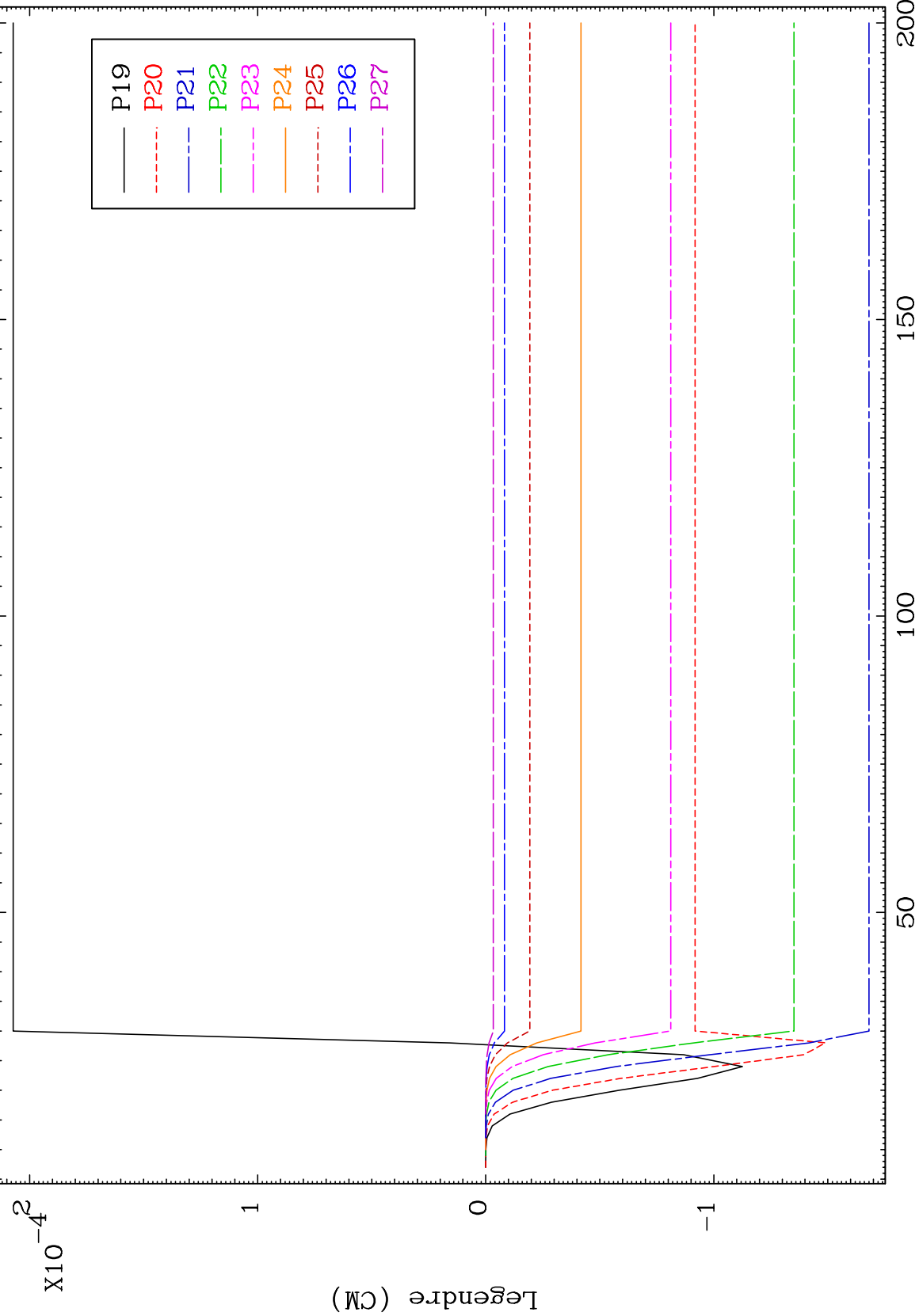
113

59-Pr-135

MAT 5907

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

59-Pr-135



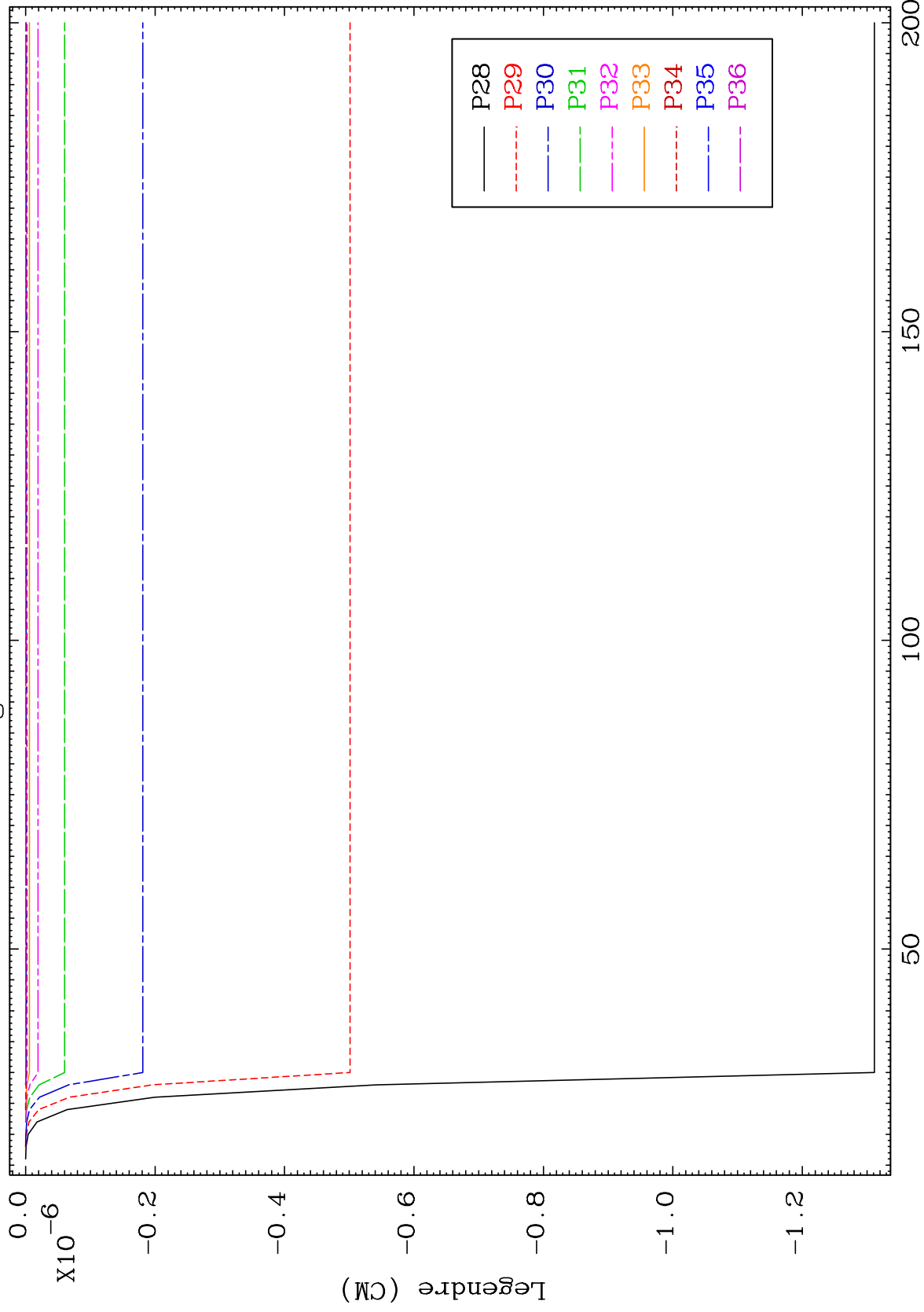
114

59-Pr-135

MAT 5907

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

59-Pr-135



115

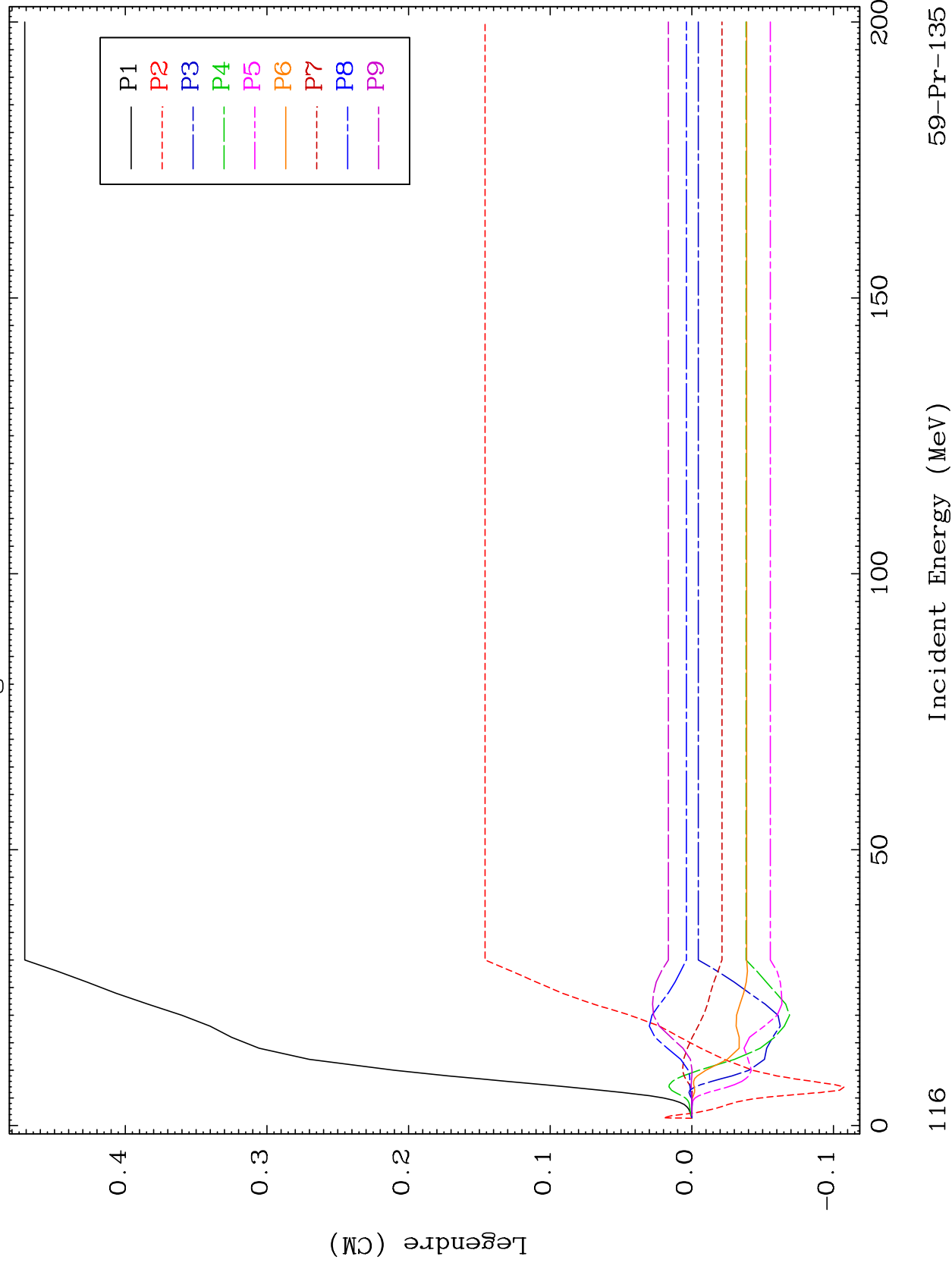
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

59-Pr-135



59-Pr-135

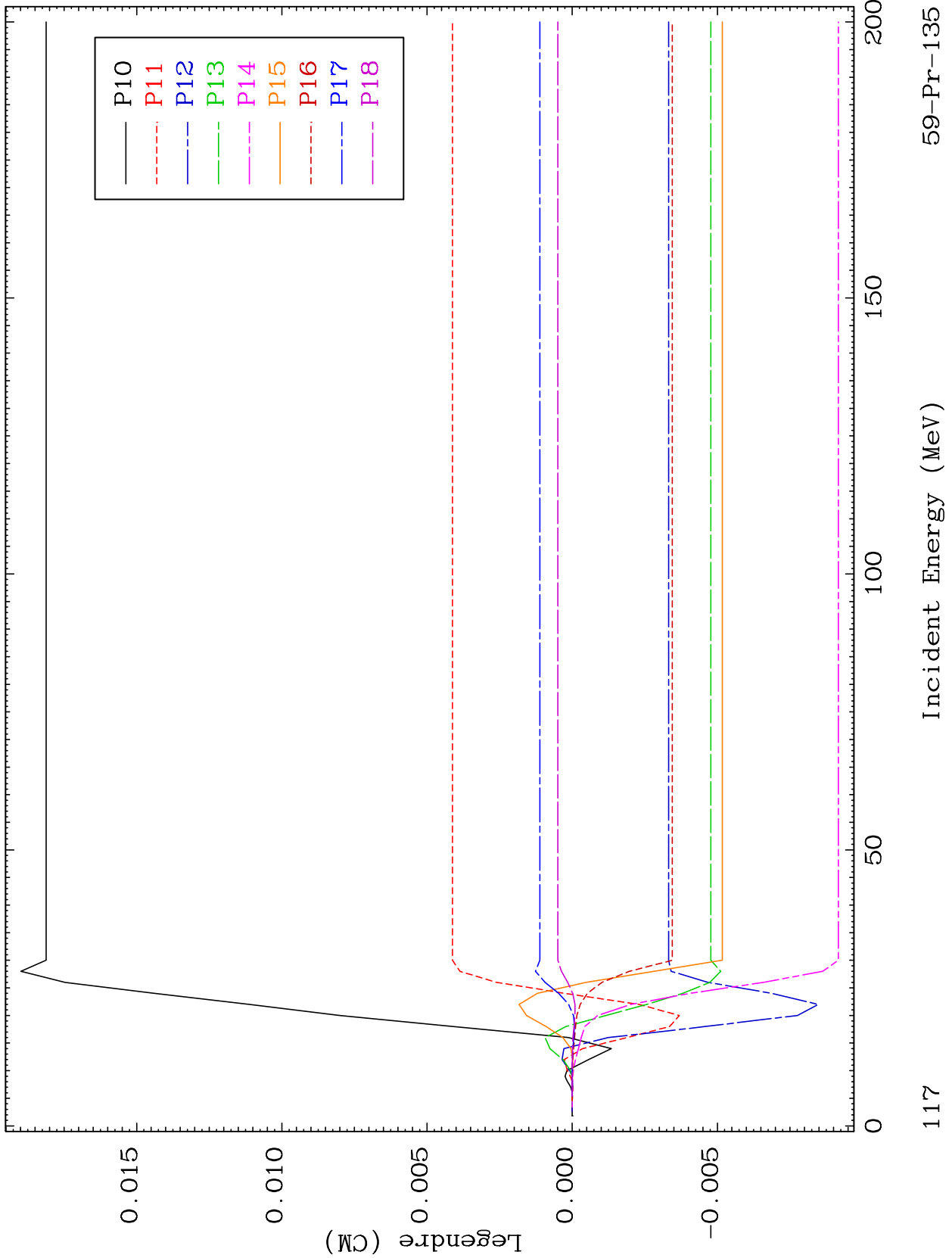
Incident Energy (MeV)

116

MAT 5907

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

59-Pr-135



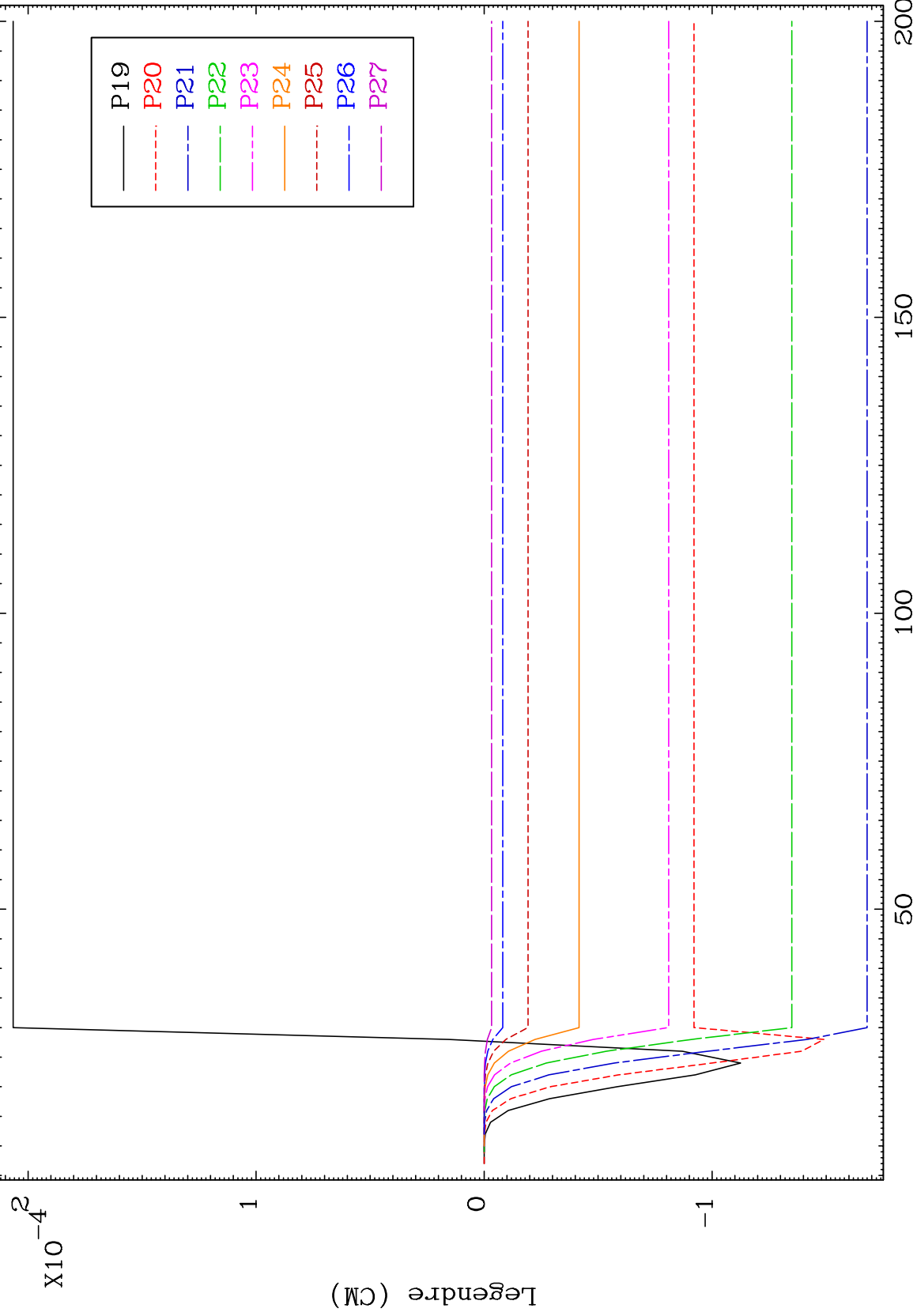
117

59-Pr-135

MAT 5907

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

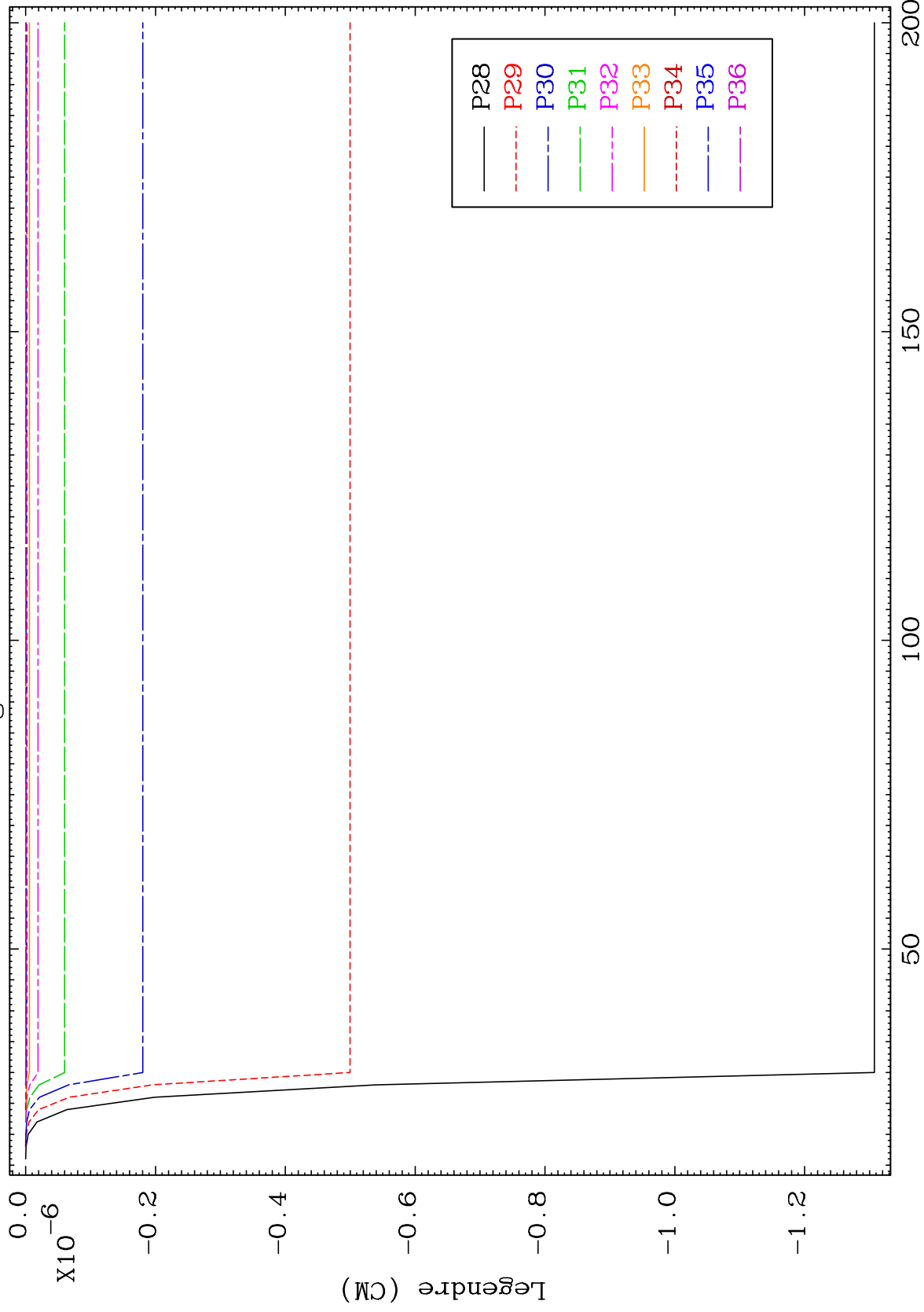
59-Pr-135



118

Incident Energy (MeV)

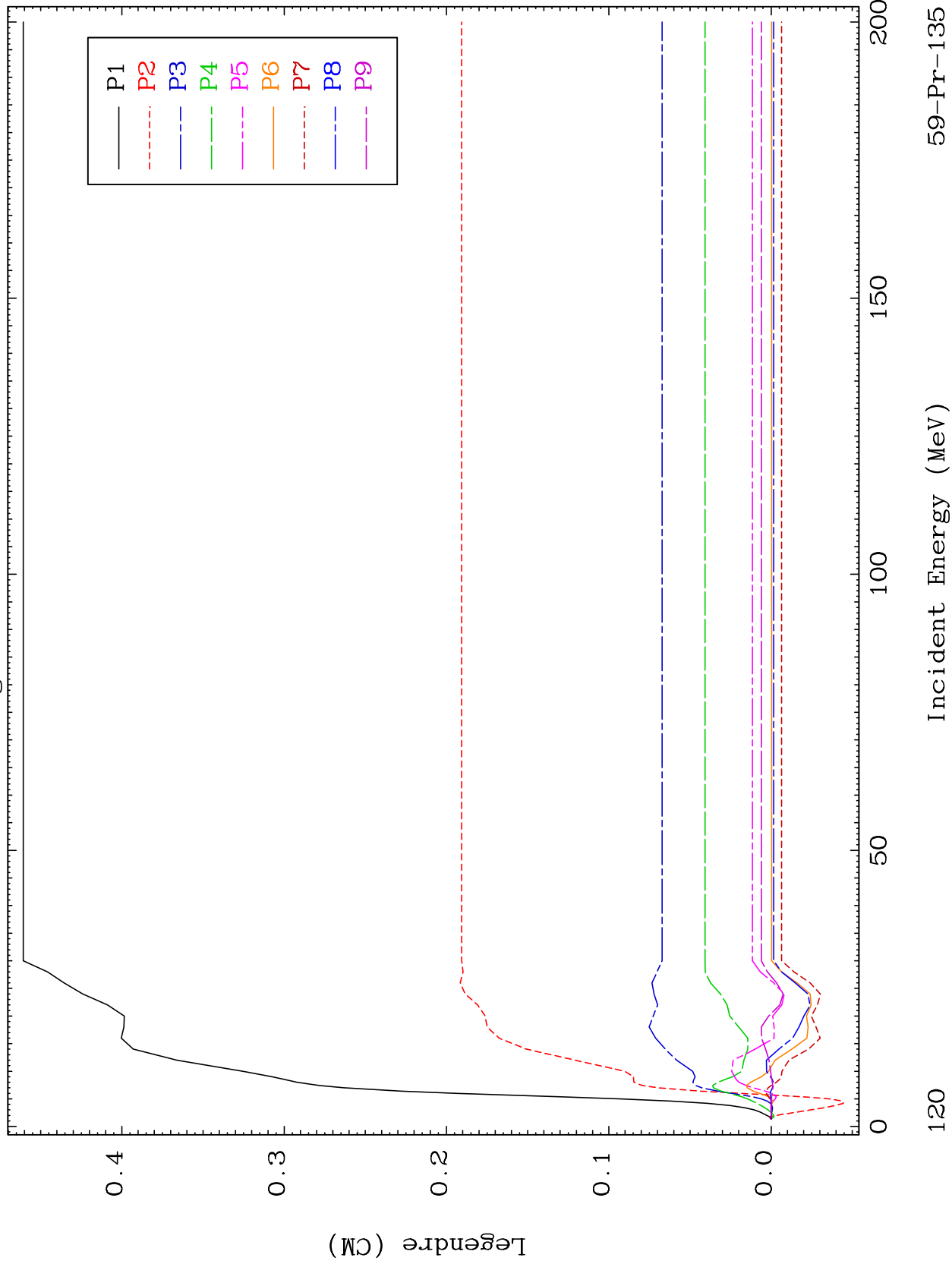
59-Pr-135



MAT 5907

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

59-Pr-135

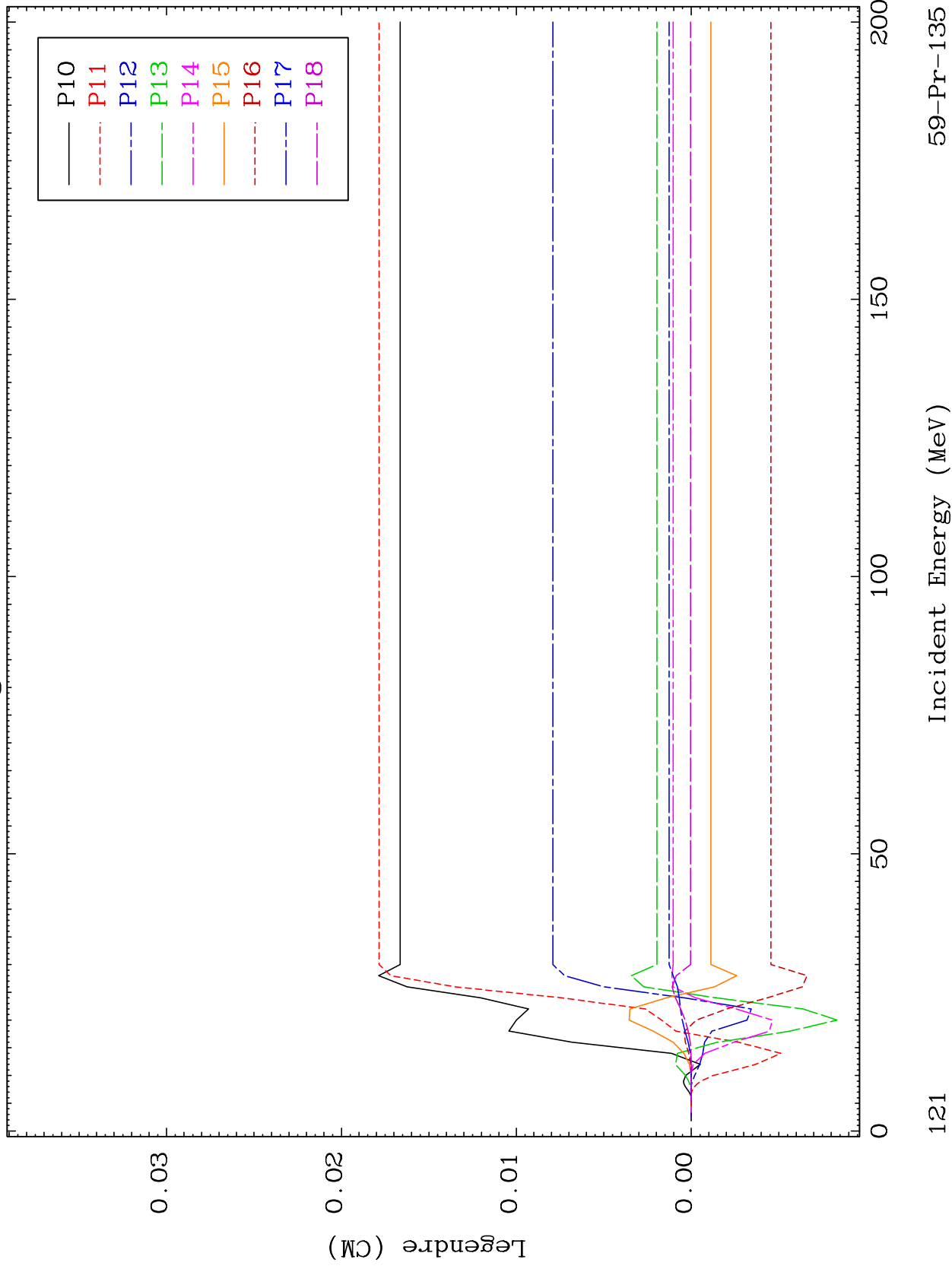


59-Pr-135

MAT 5907

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

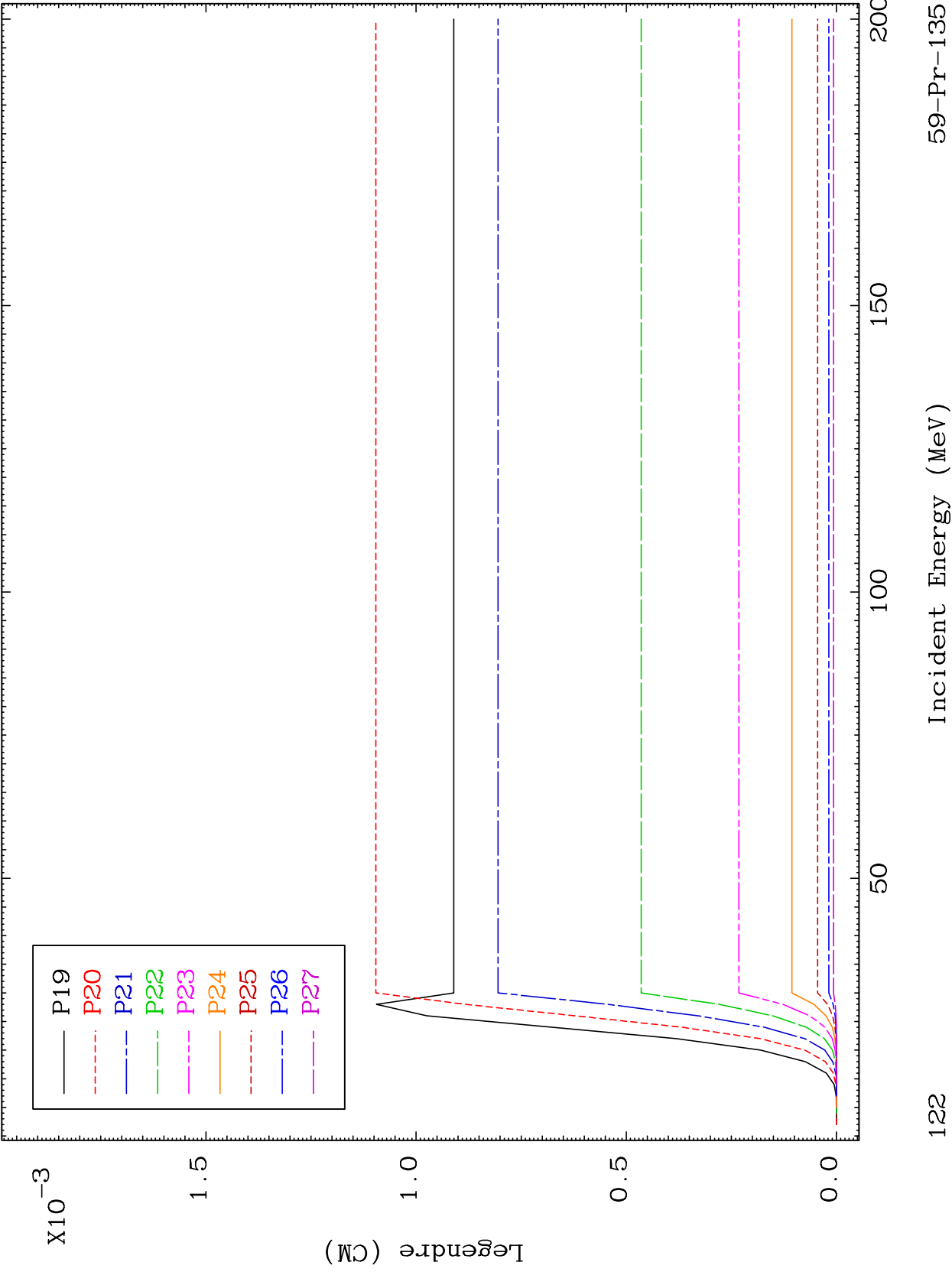
59-Pr-135



59-Pr-135

Incident Energy (MeV)

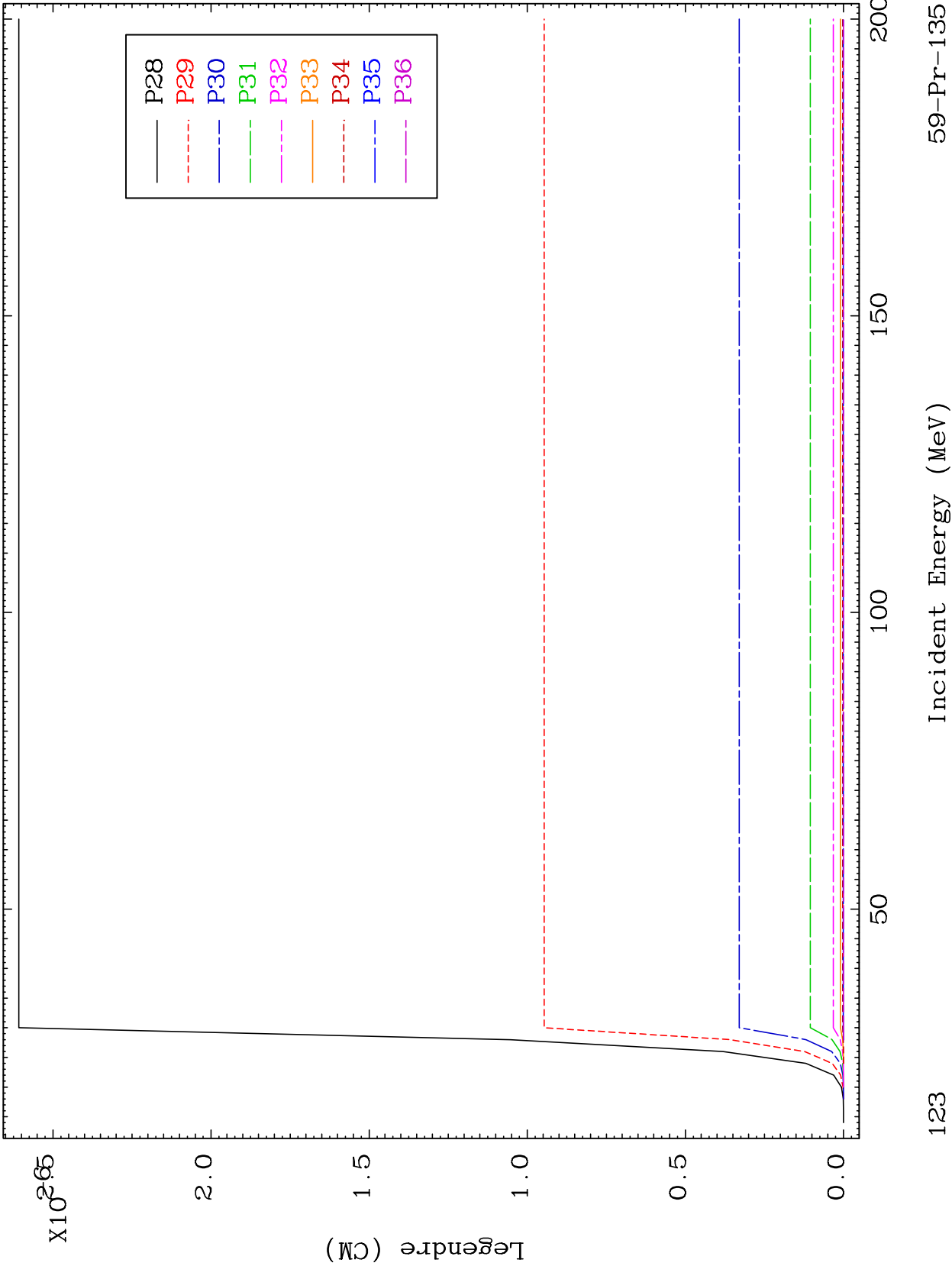
121



MAT 5907

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

59-Pr-135



123

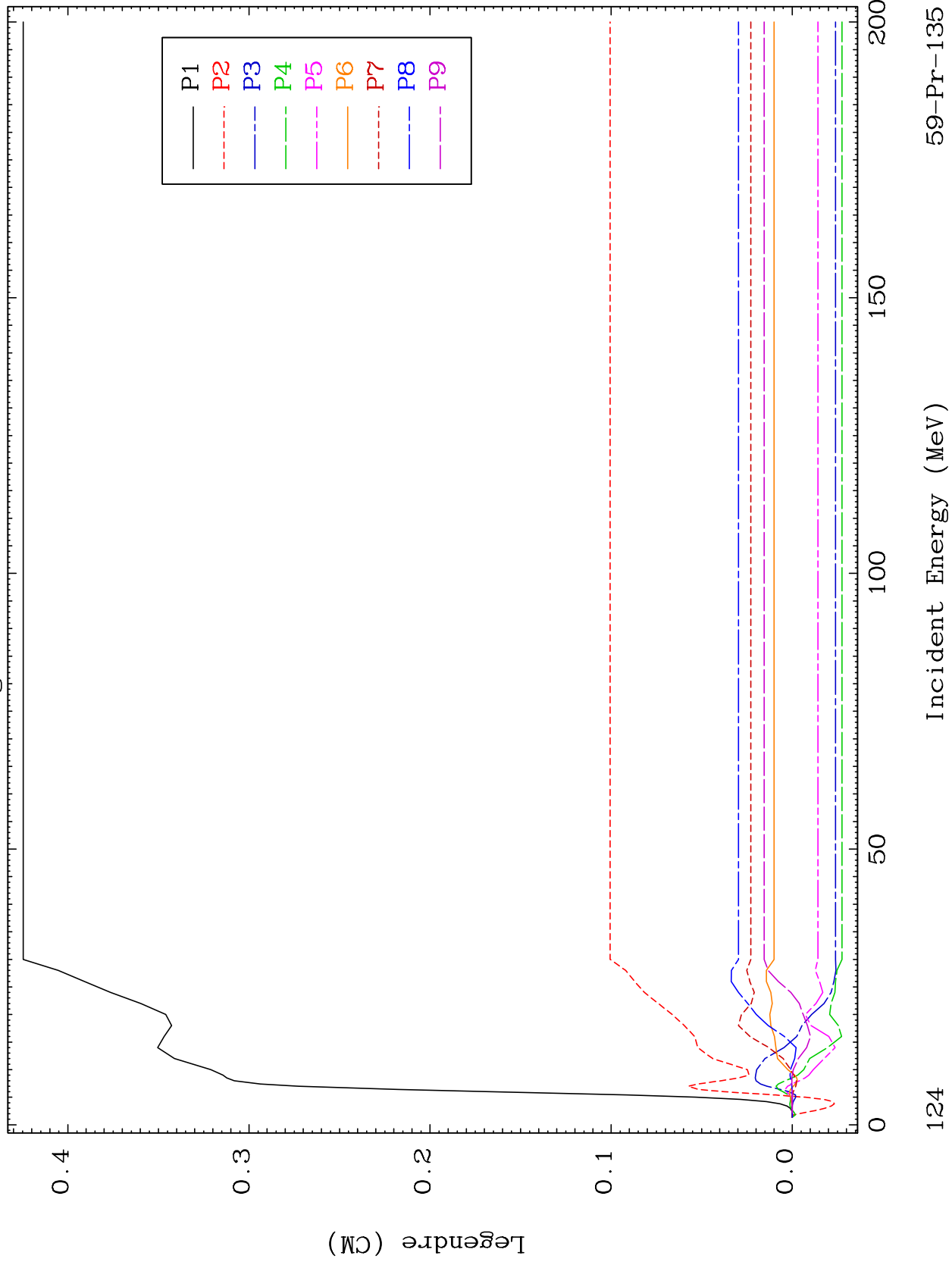
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

59-Pr-135



59-Pr-135

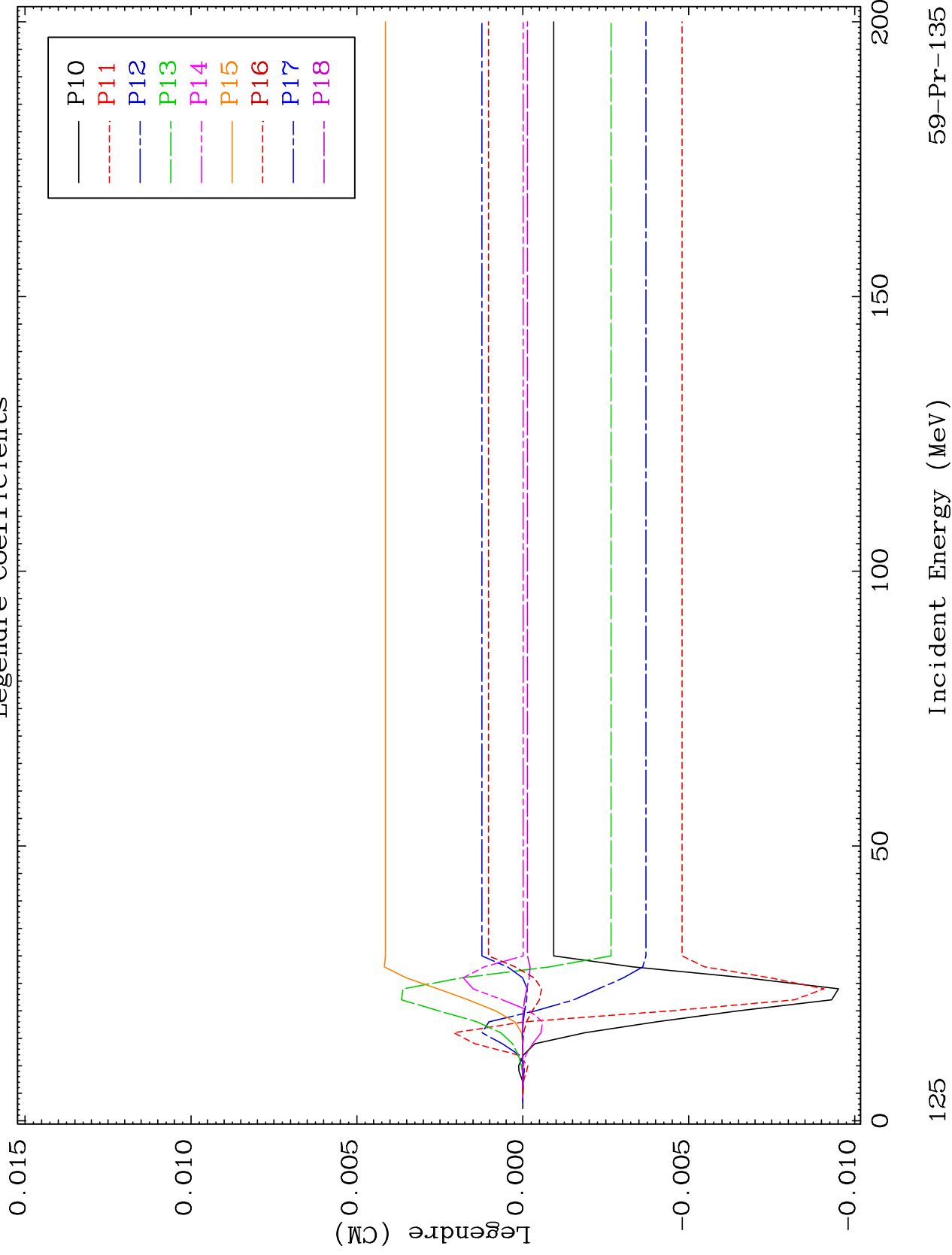
Incident Energy (MeV)

124

MAT 5907

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

59-Pr-135



125

Incident Energy (MeV)

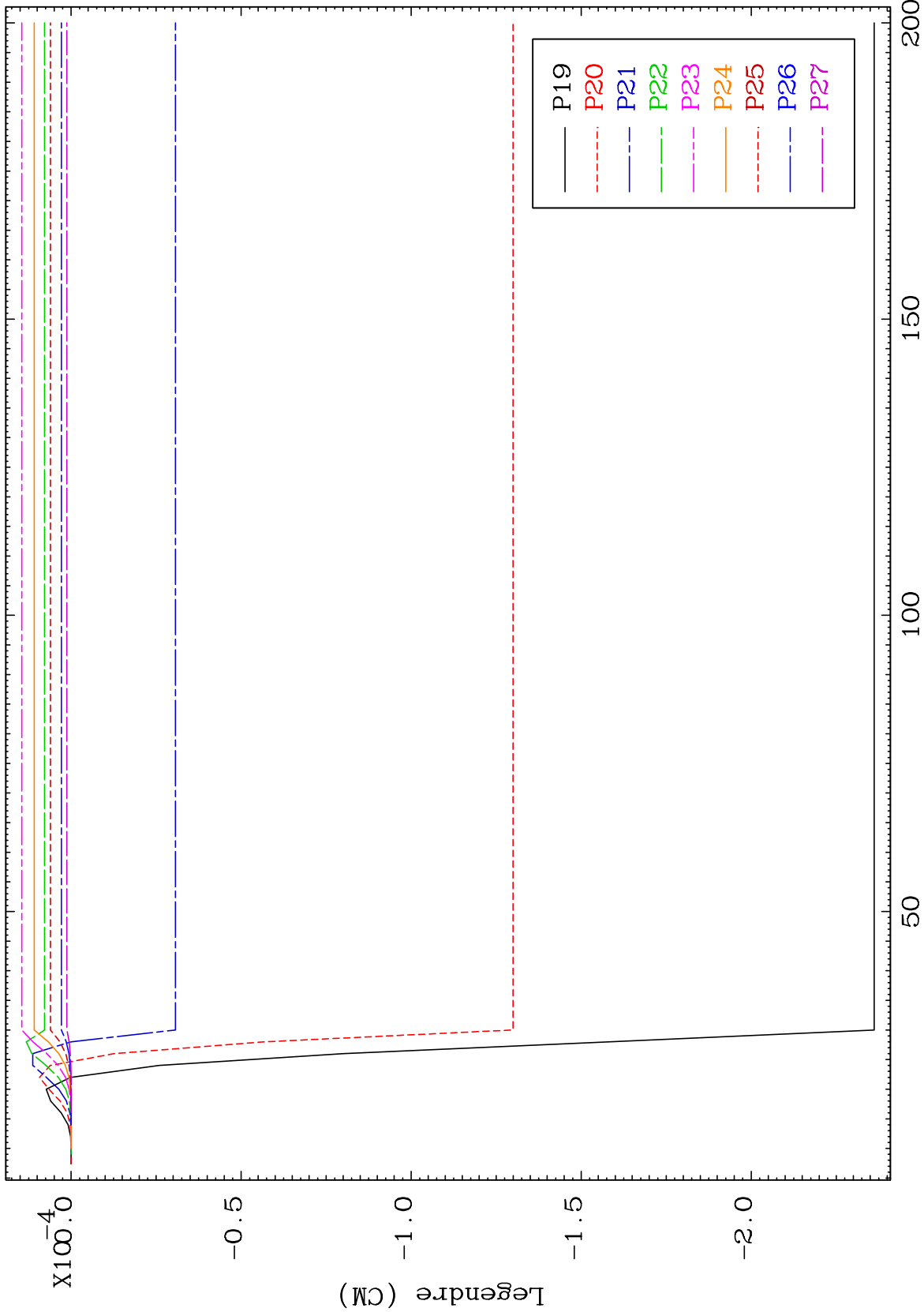
59-Pr-135

MAT 5907

MT= 77 (n,n') Level

59-Pr-135

Legendre Coefficients



126

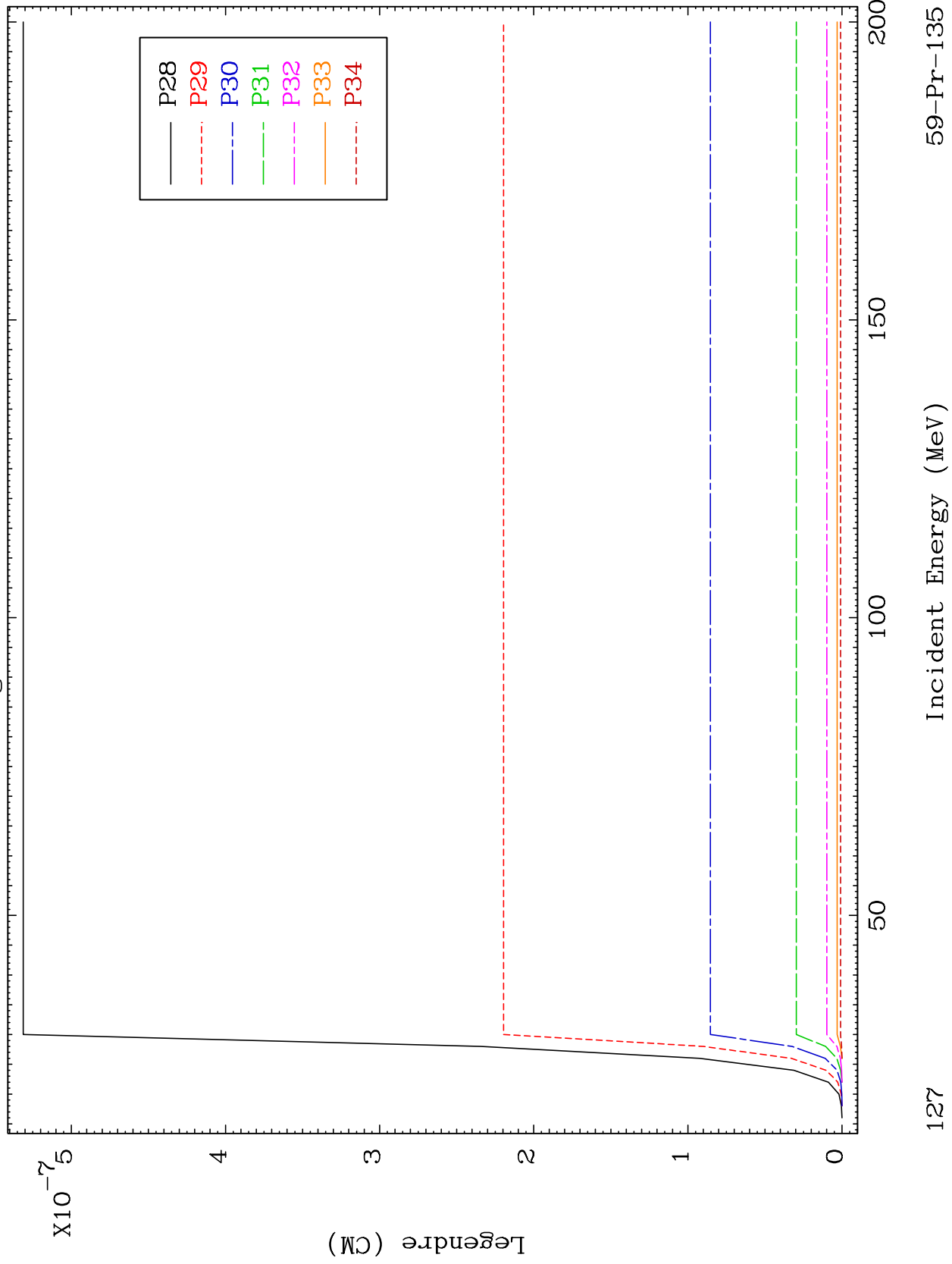
Incident Energy (MeV)

59-Pr-135

MAT 5907

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

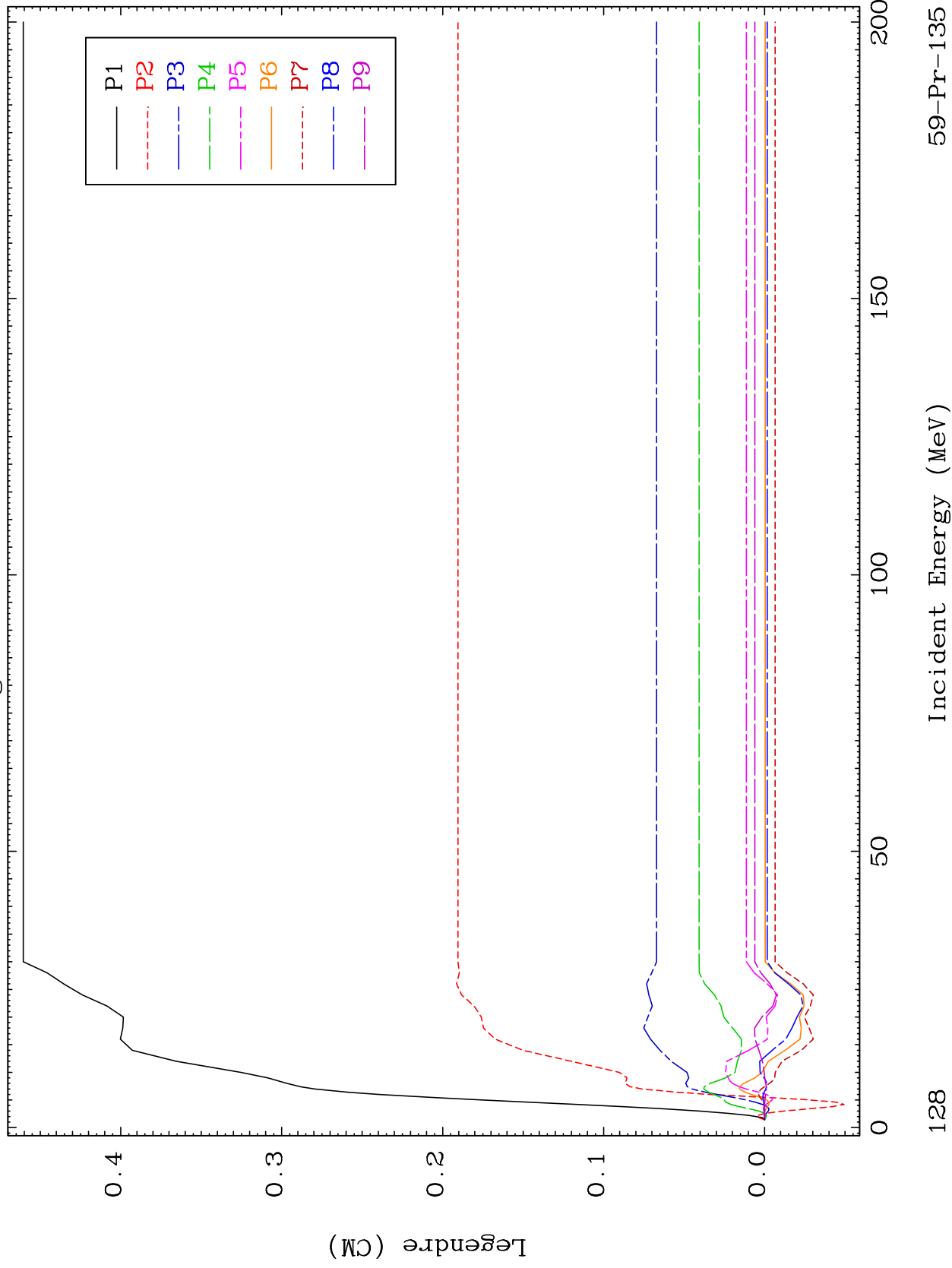
59-Pr-135



MAT 5907

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

59-Pr-135



59-Pr-135

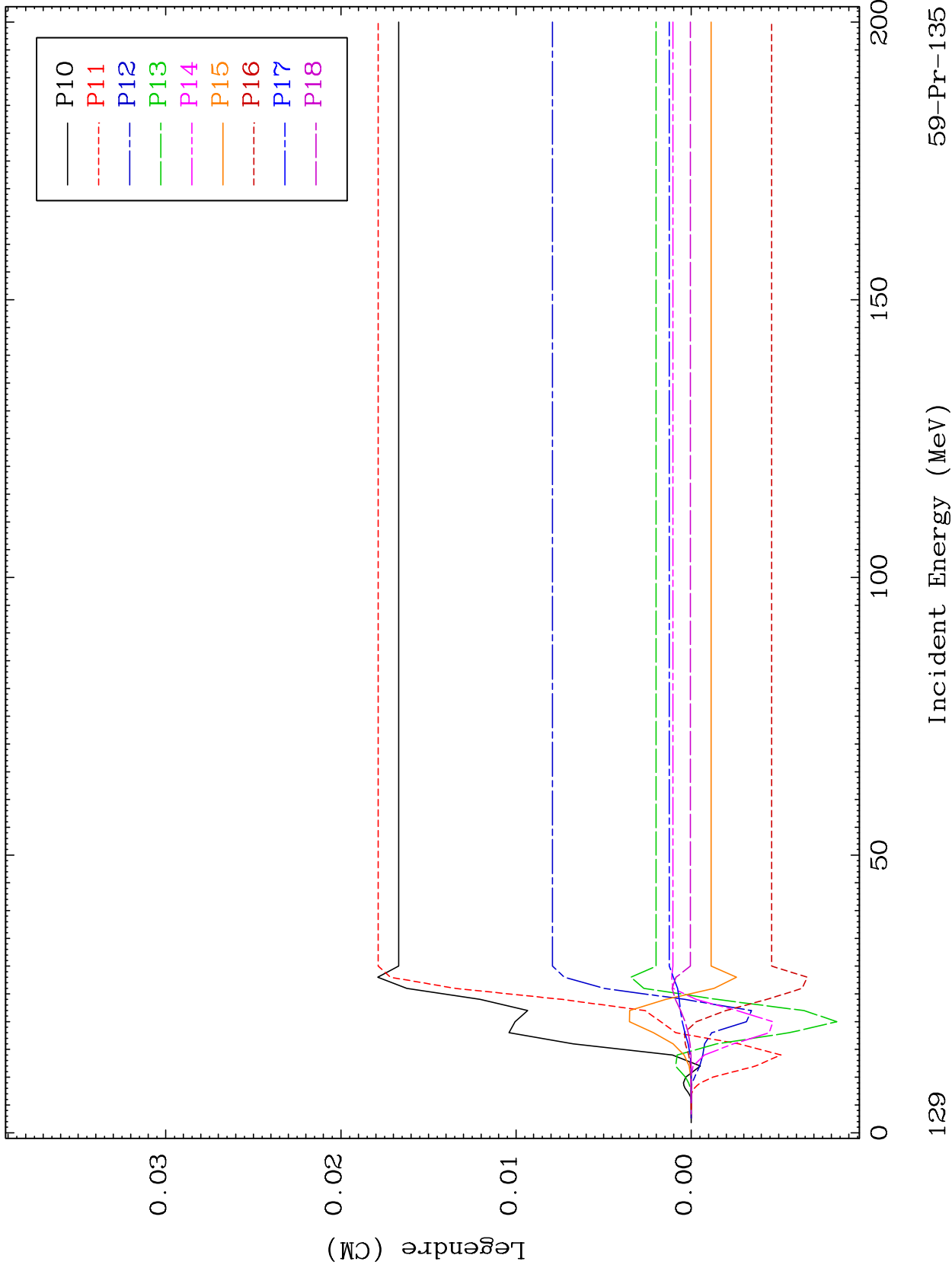
Incident Energy (MeV)

128

MAT 5907

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

59-Pr-135



59-Pr-135

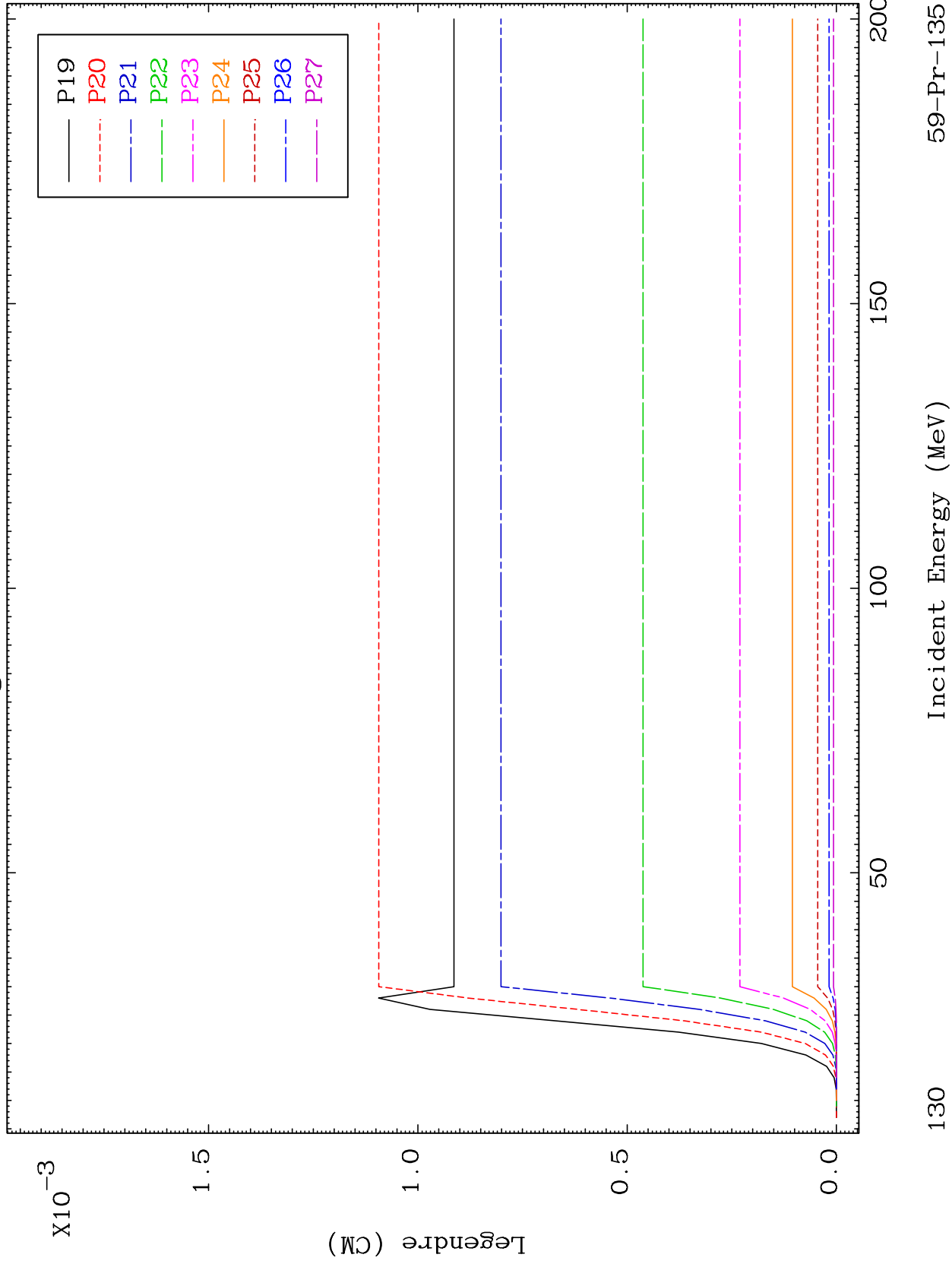
Incident Energy (MeV)

129

MAT 5907

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

59-Pr-135



59-Pr-135

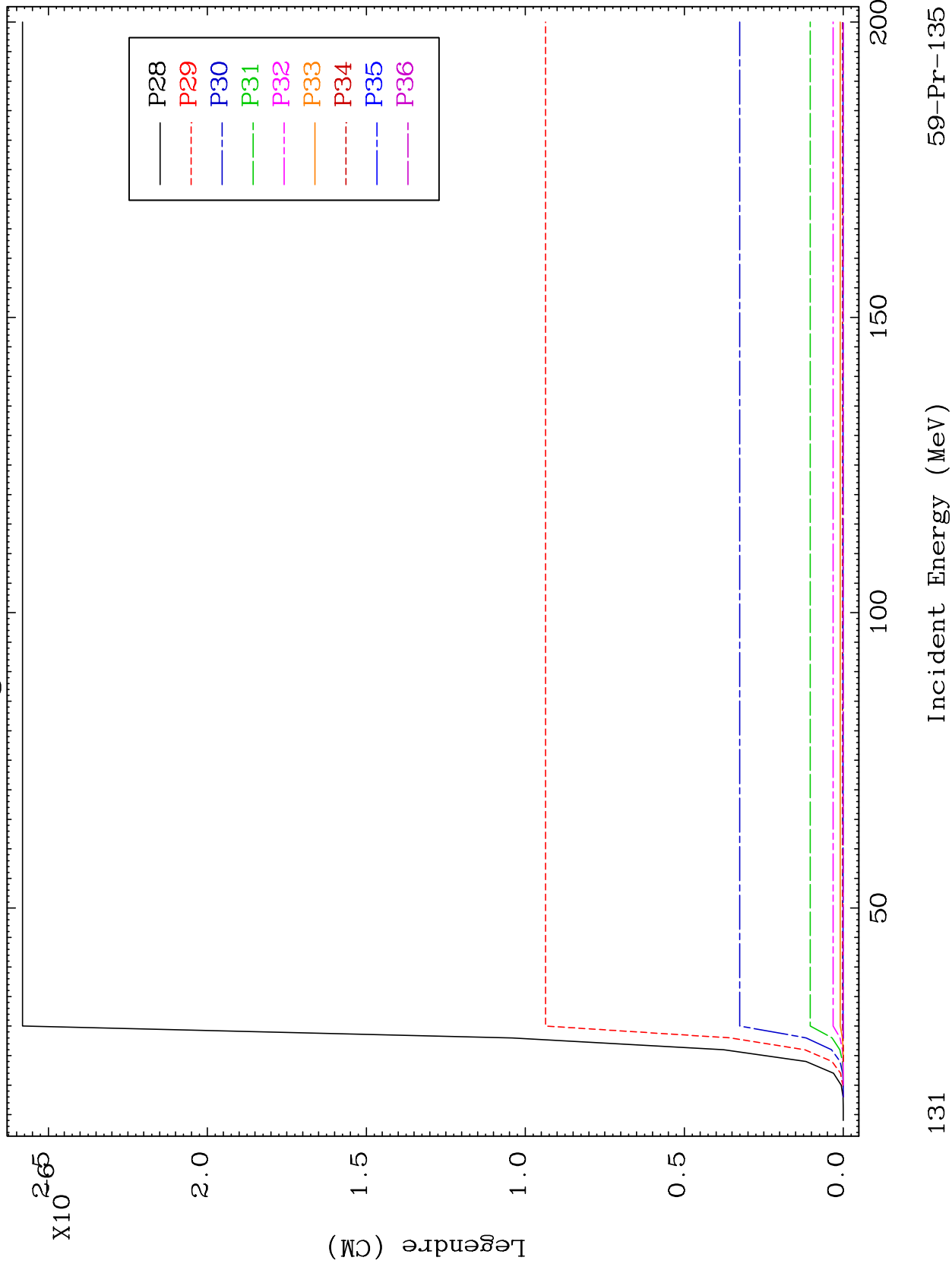
Incident Energy (MeV)

130

MAT 5907

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

59-Pr-135



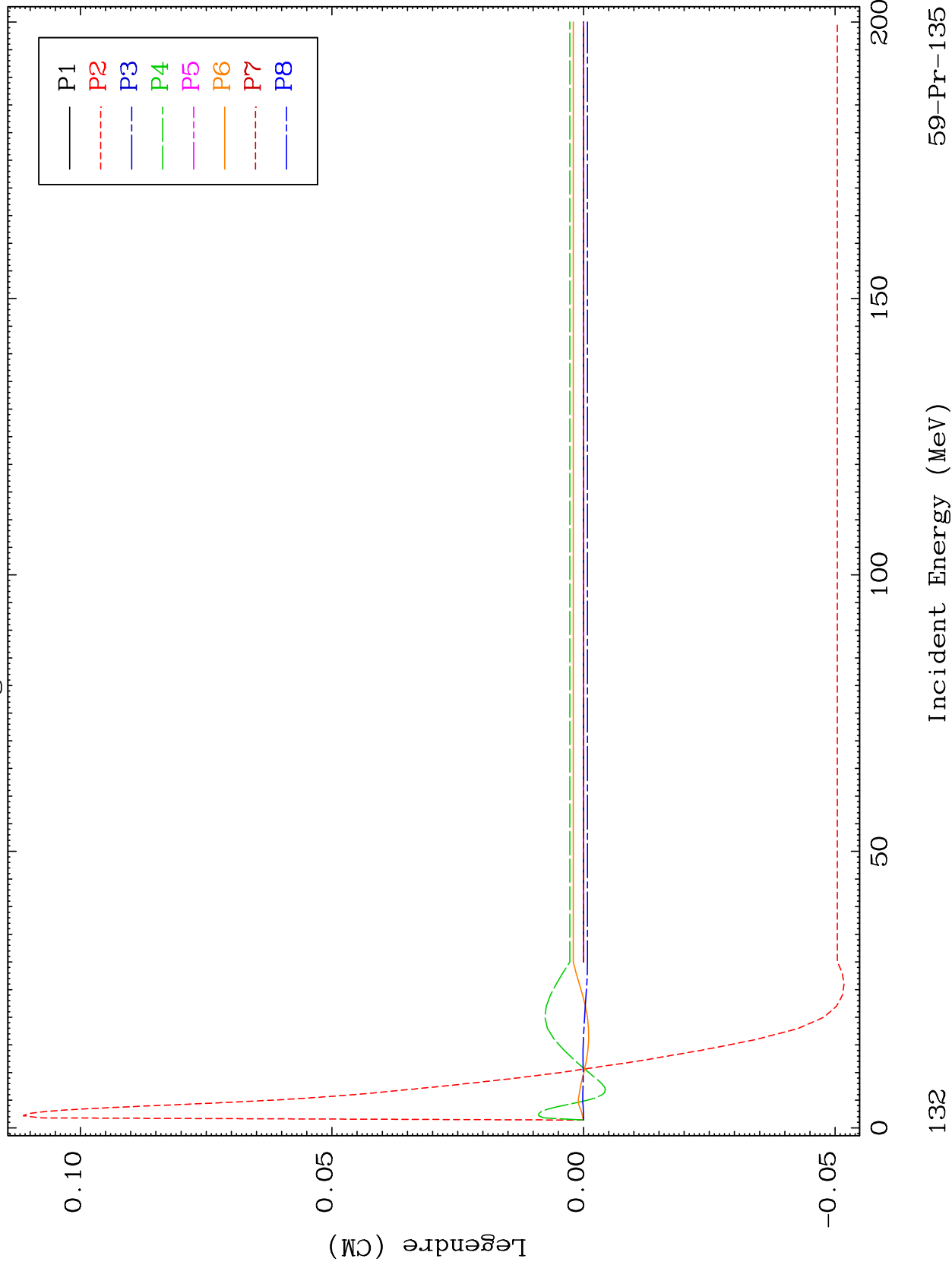
131

59-Pr-135

MAT 5907

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

59-Pr-135



59-Pr-135

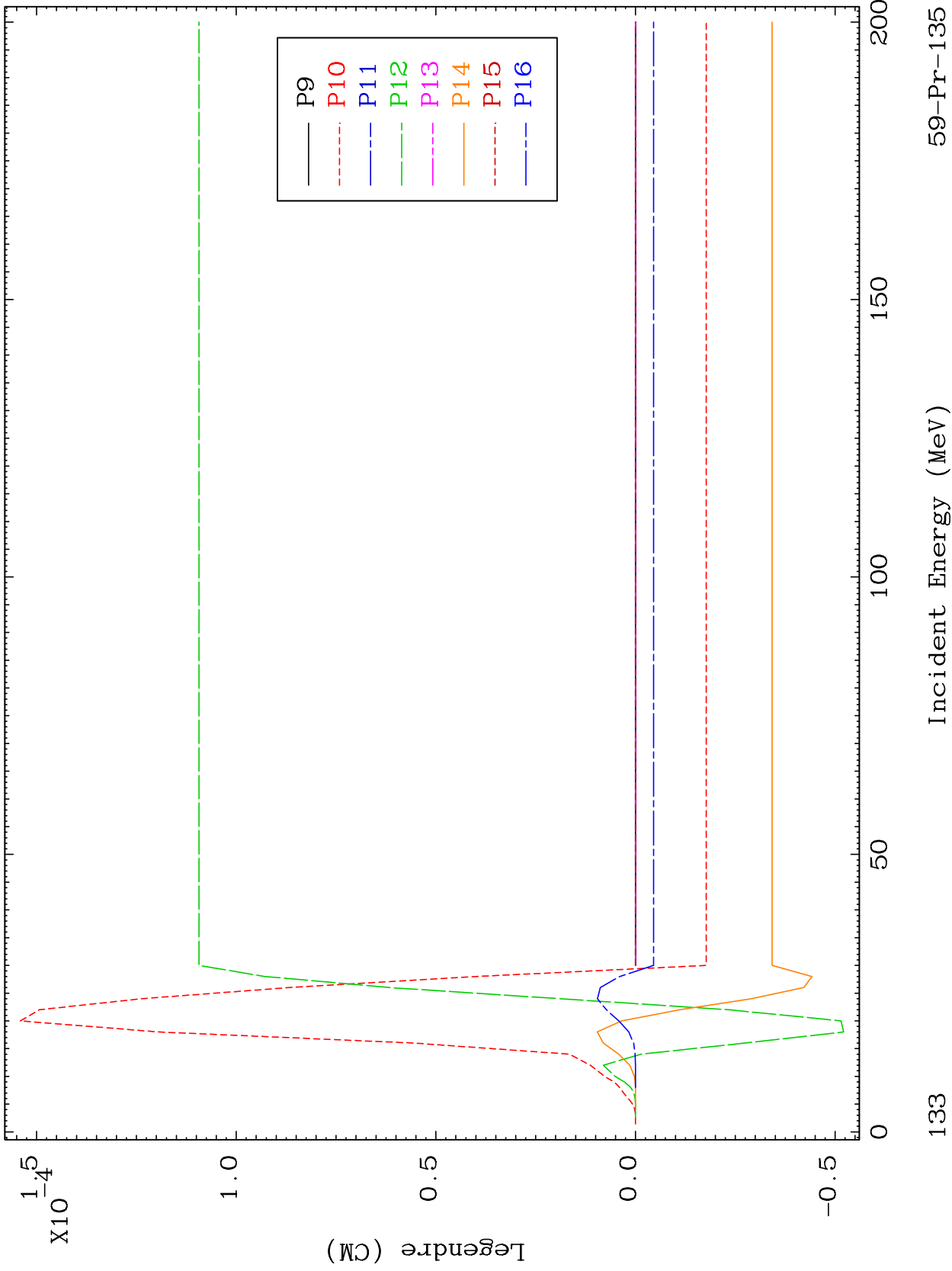
Incident Energy (MeV)

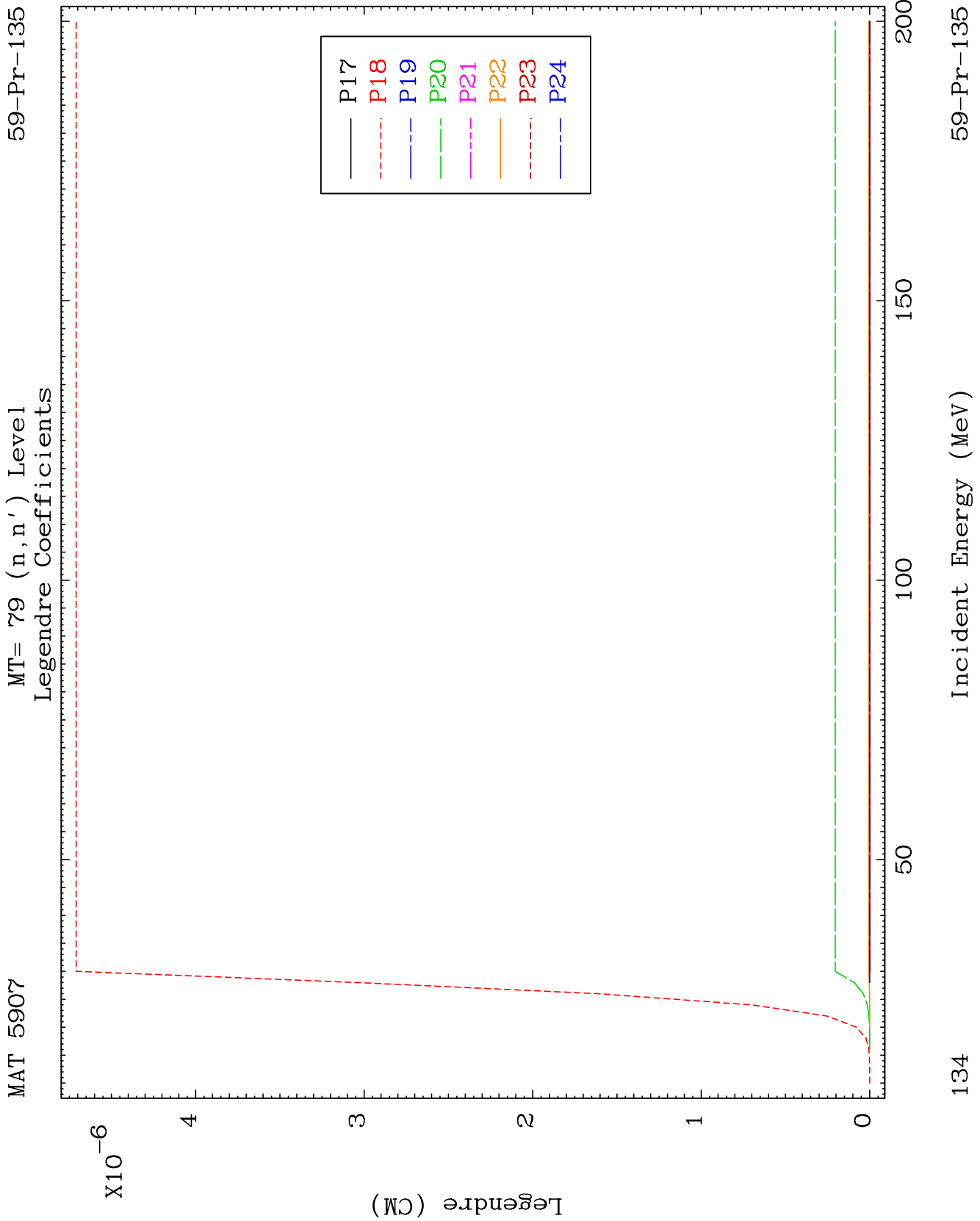
132

MAT 5907

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

59-Pr-135

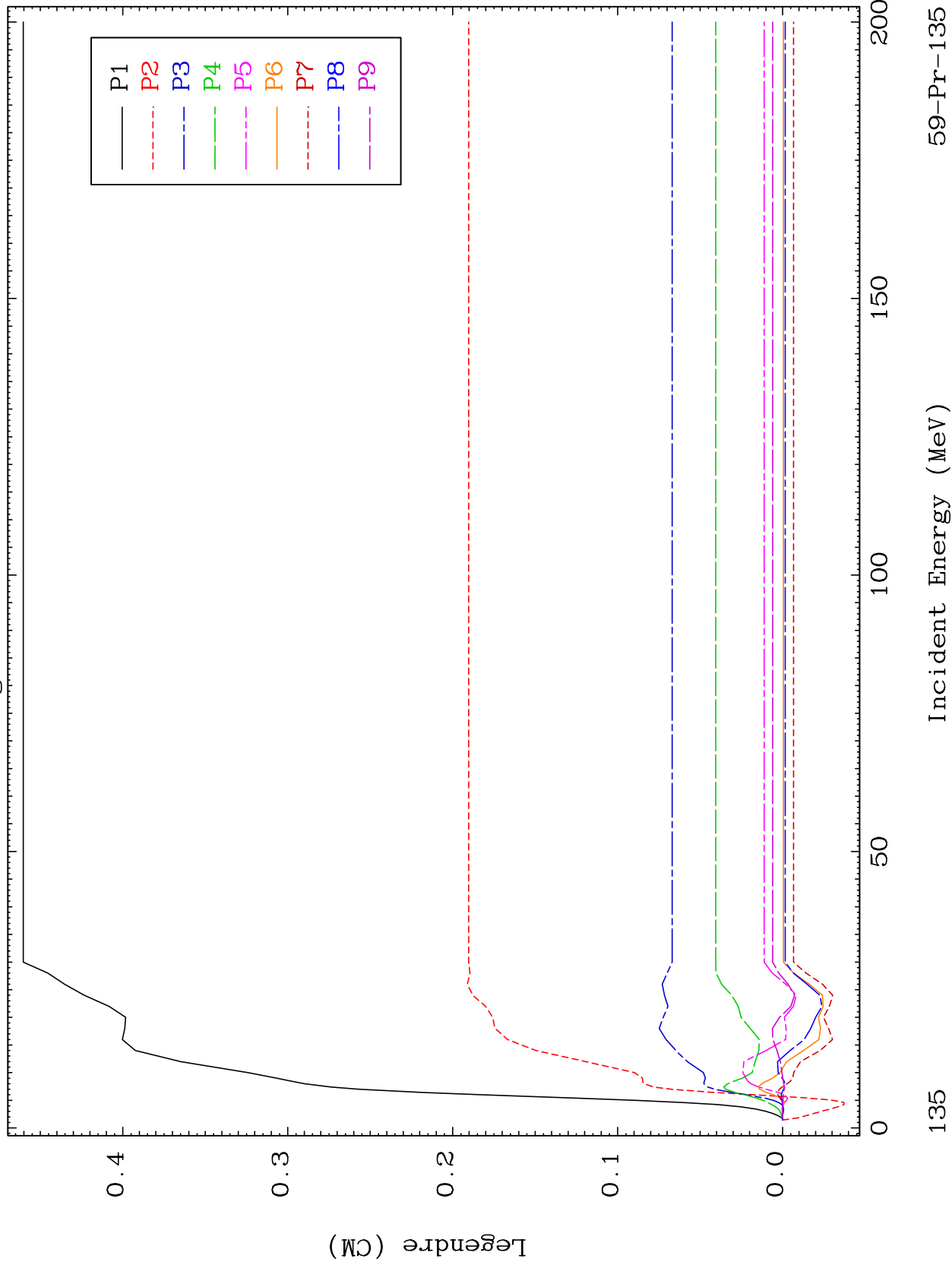




MAT 5907

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

59-Pr-135



59-Pr-135

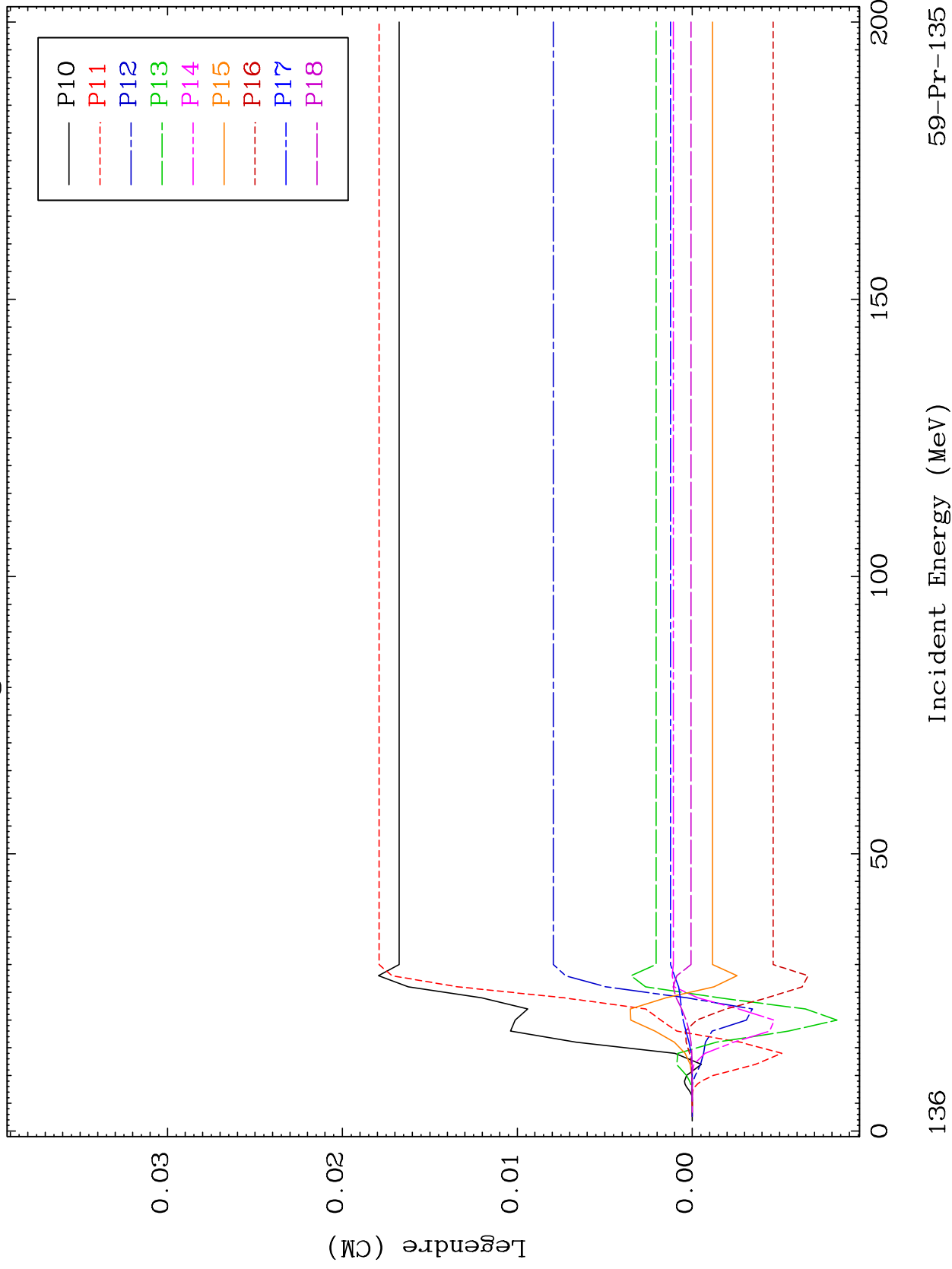
Incident Energy (MeV)

135

MAT 5907

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

59-Pr-135



59-Pr-135

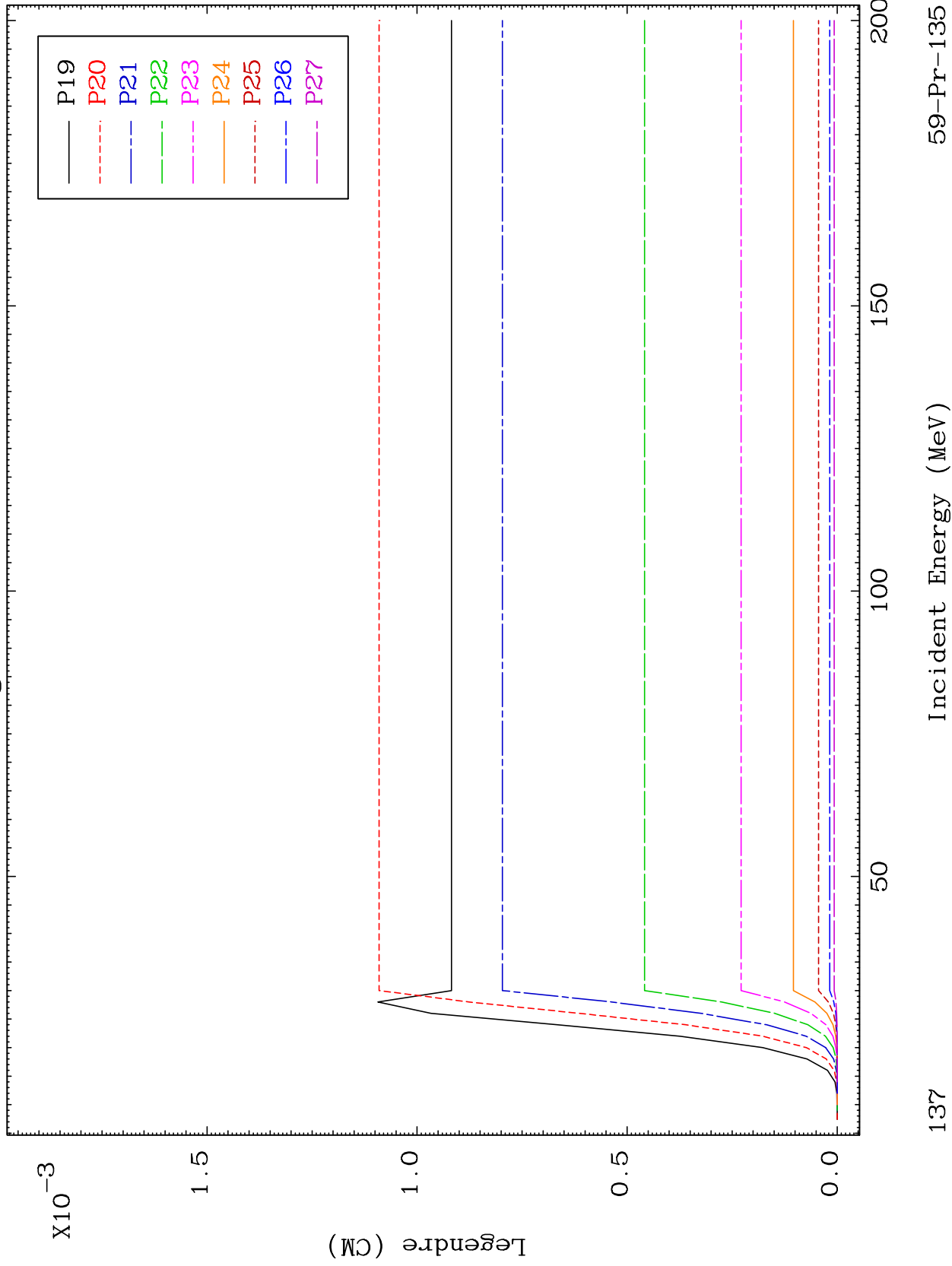
Incident Energy (MeV)

136

MAT 5907

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

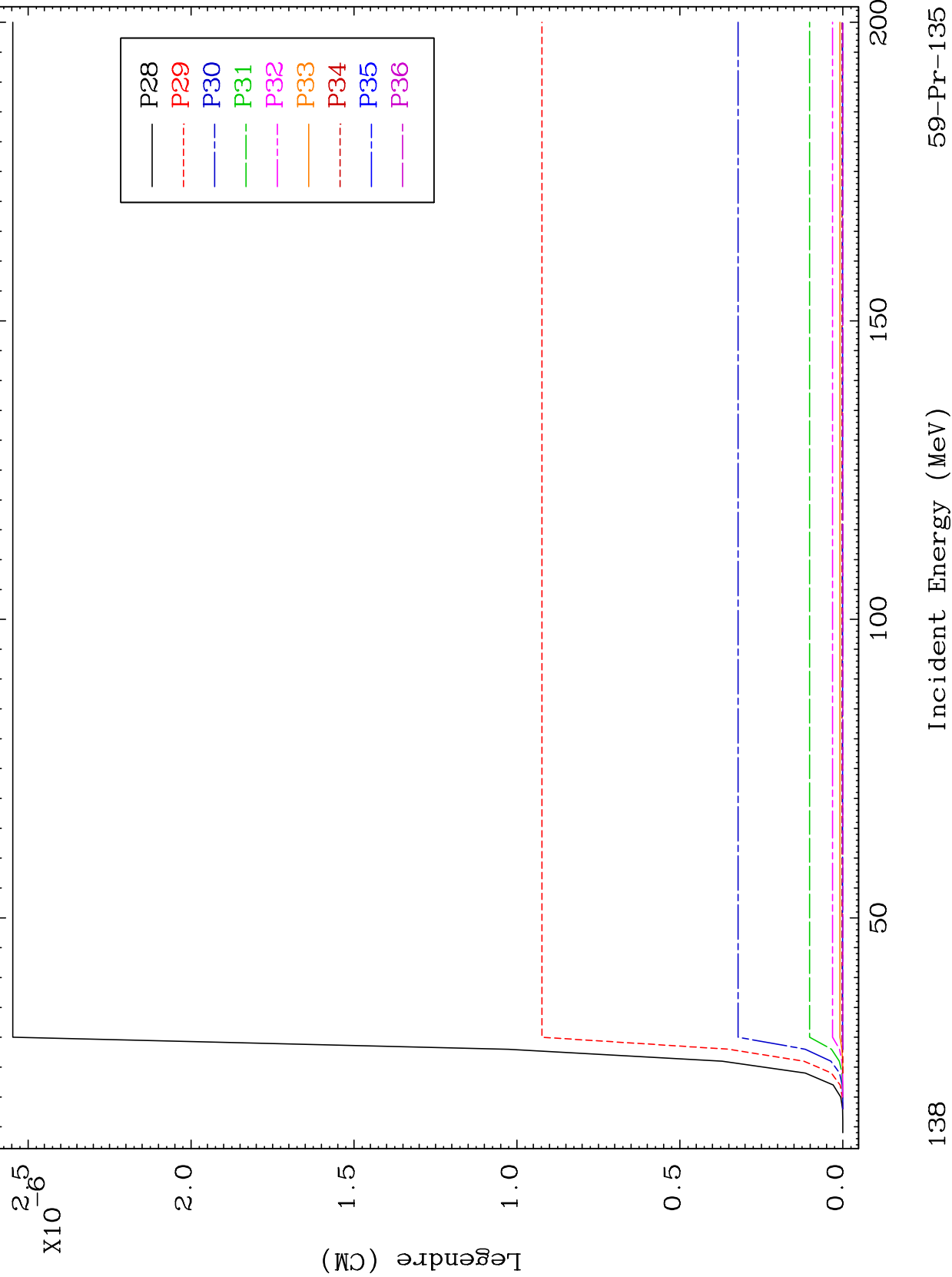
59-Pr-135



MAT 5907

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

59-Pr-135



138

Incident Energy (MeV)

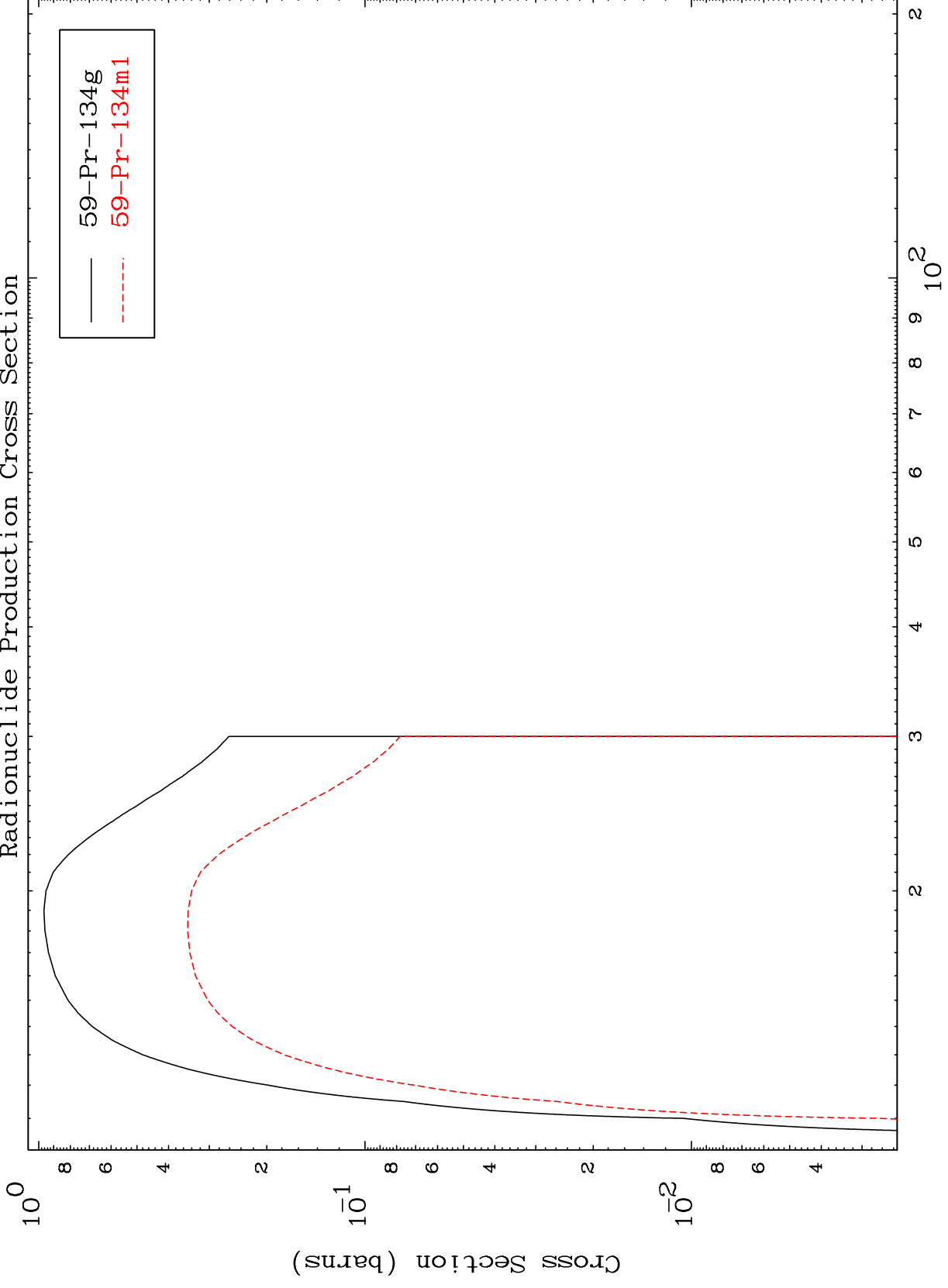
59-Pr-135

MAT 5907

59-Pr-135

(n,2n)

Radionuclide Production Cross Section



139

Incident Energy (MeV)

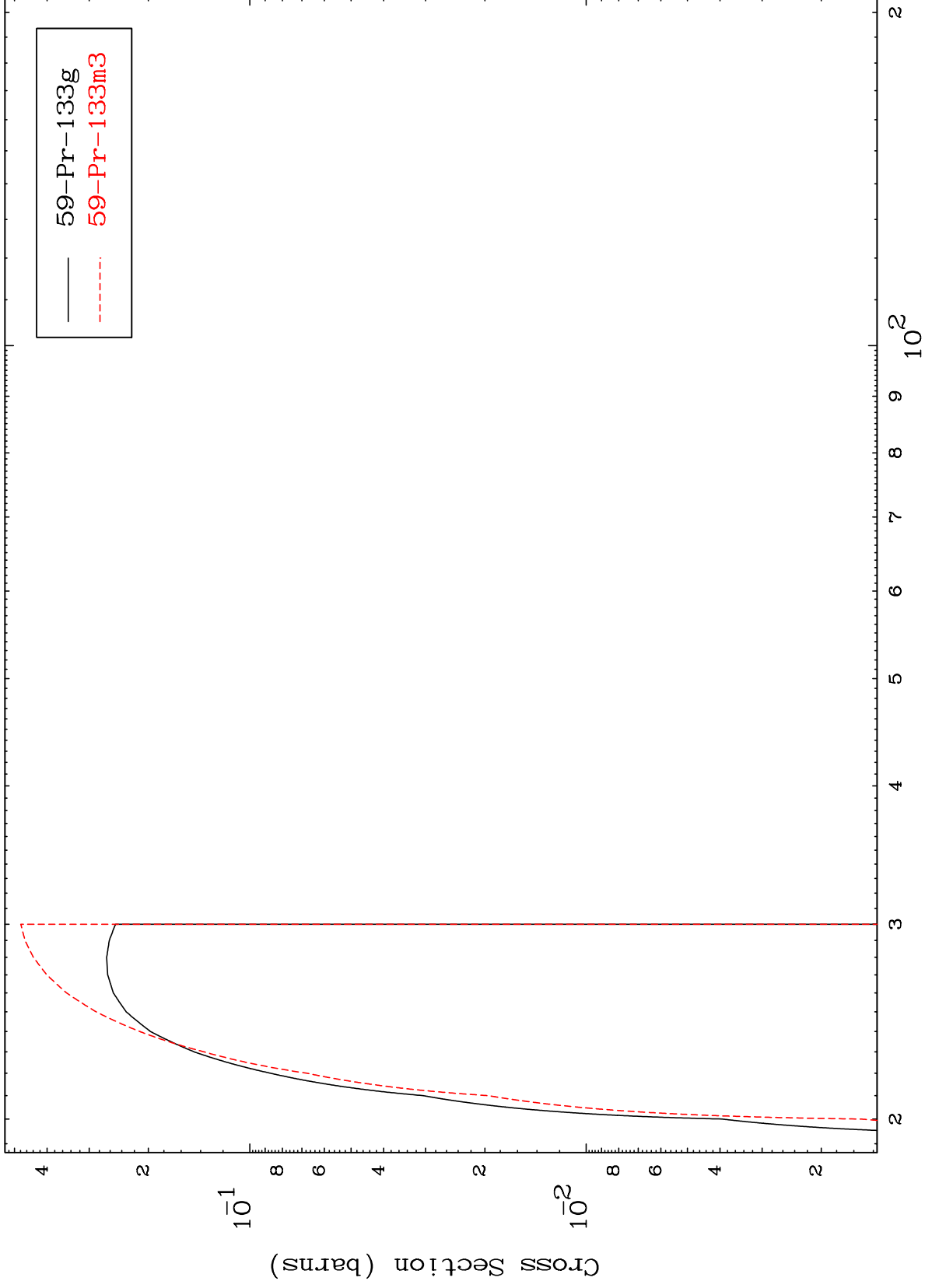
59-Pr-135

MAT 5907

(n,3n)

59-Pr-135

Radionuclide Production Cross Section



140

Incident Energy (MeV)

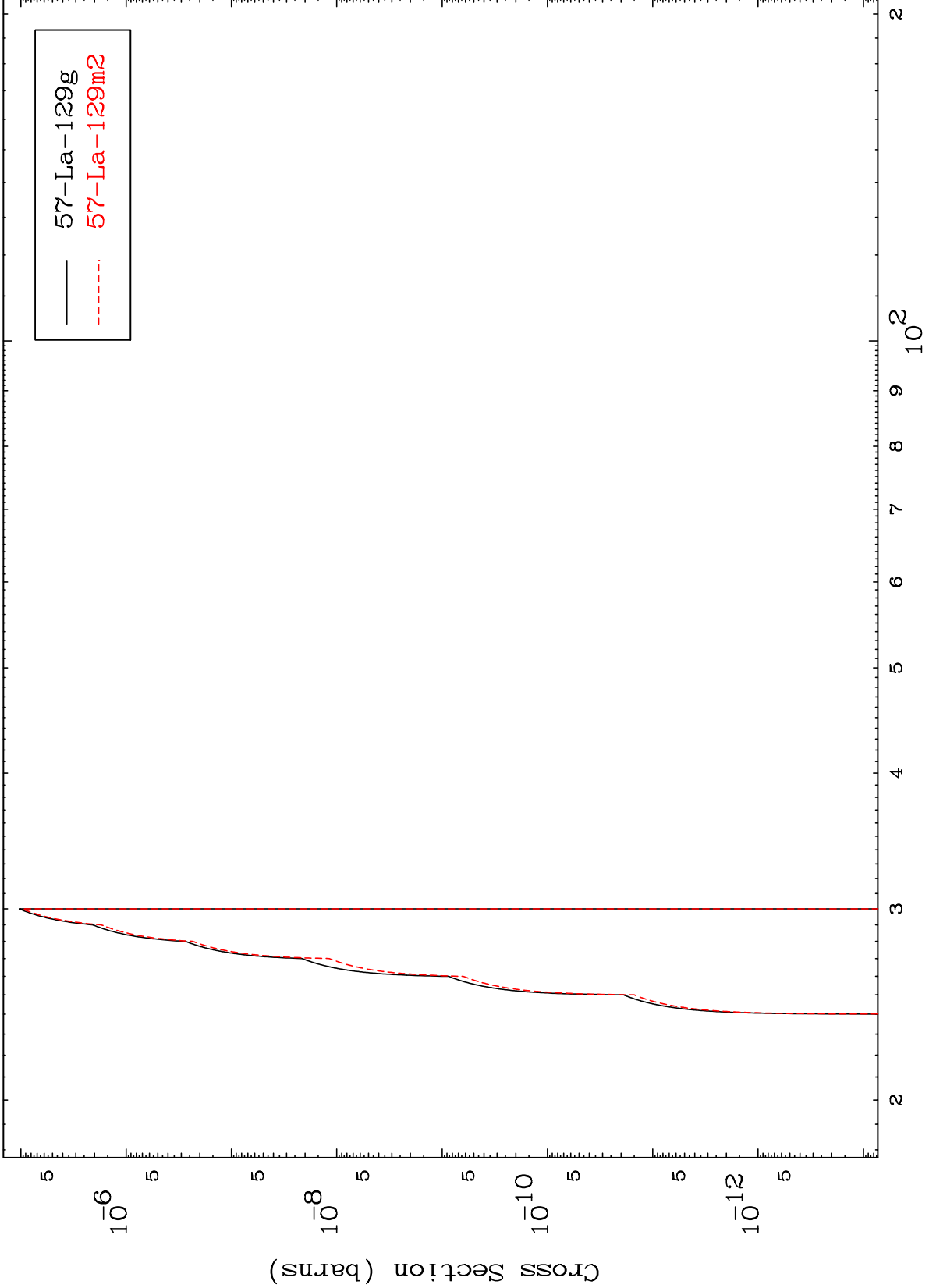
59-Pr-135

MAT 5907

$(n,3n) \alpha$

59-Pr-135

Radionuclide Production Cross Section

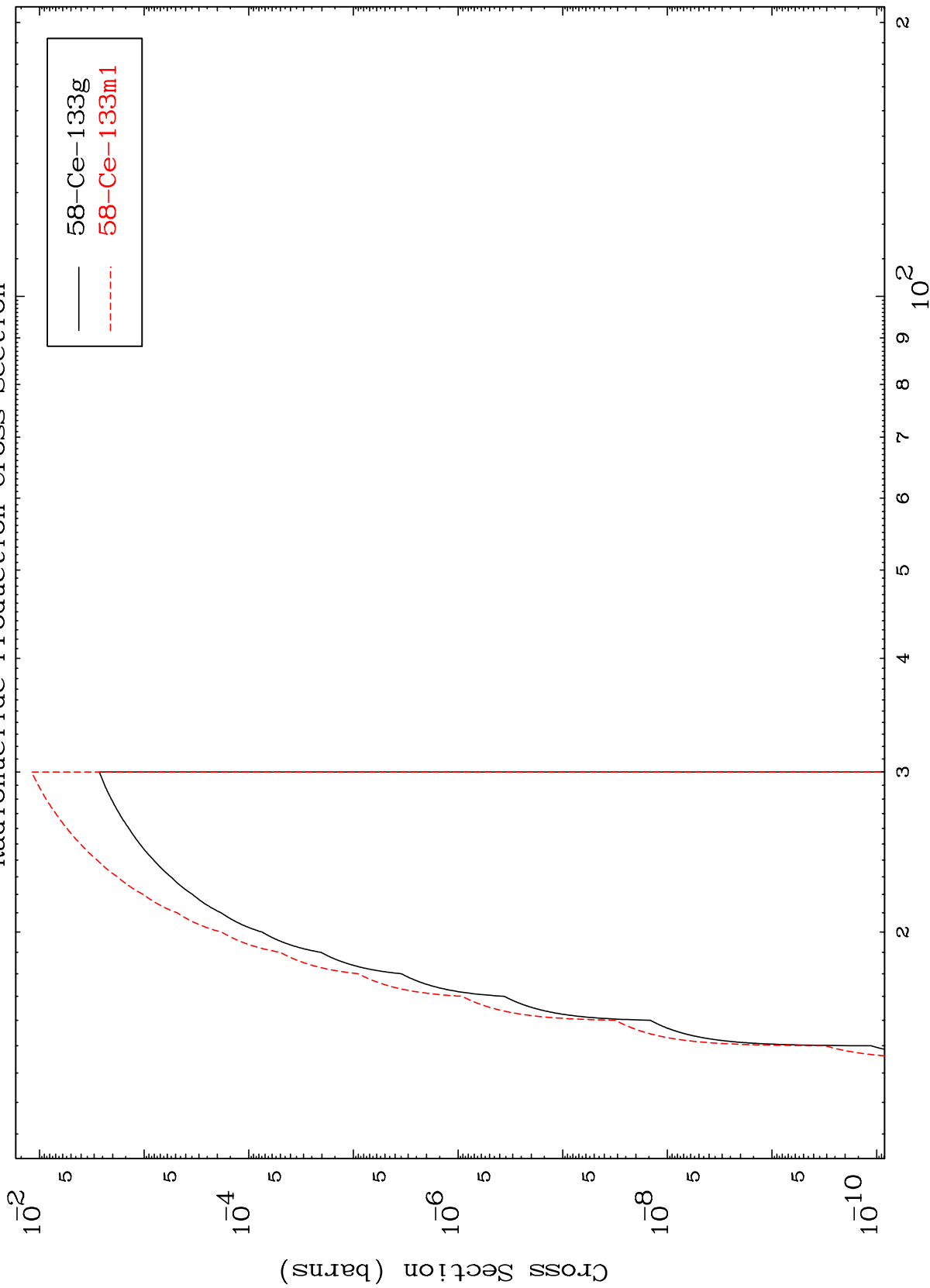


141

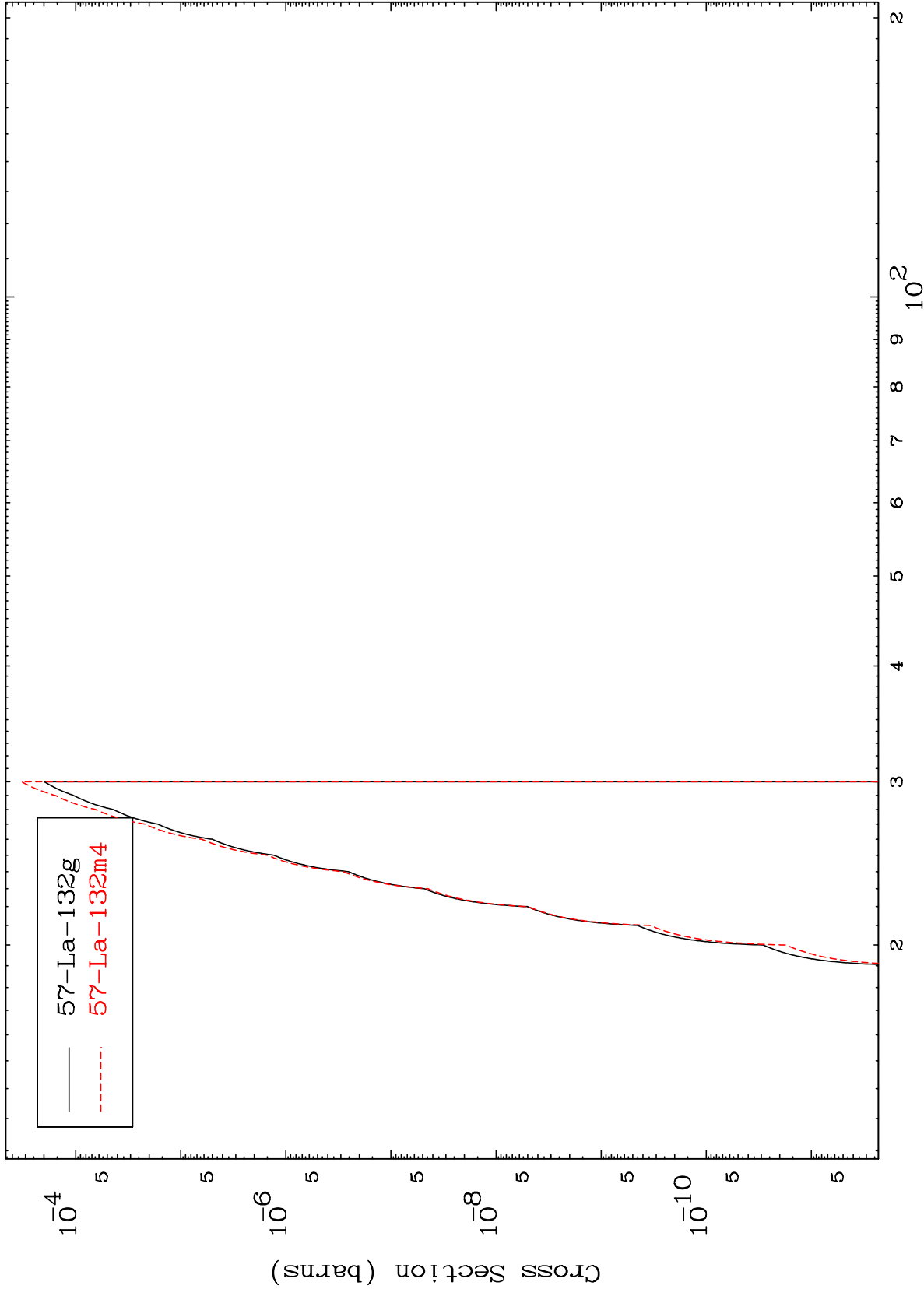
Incident Energy (MeV)

59-Pr-135

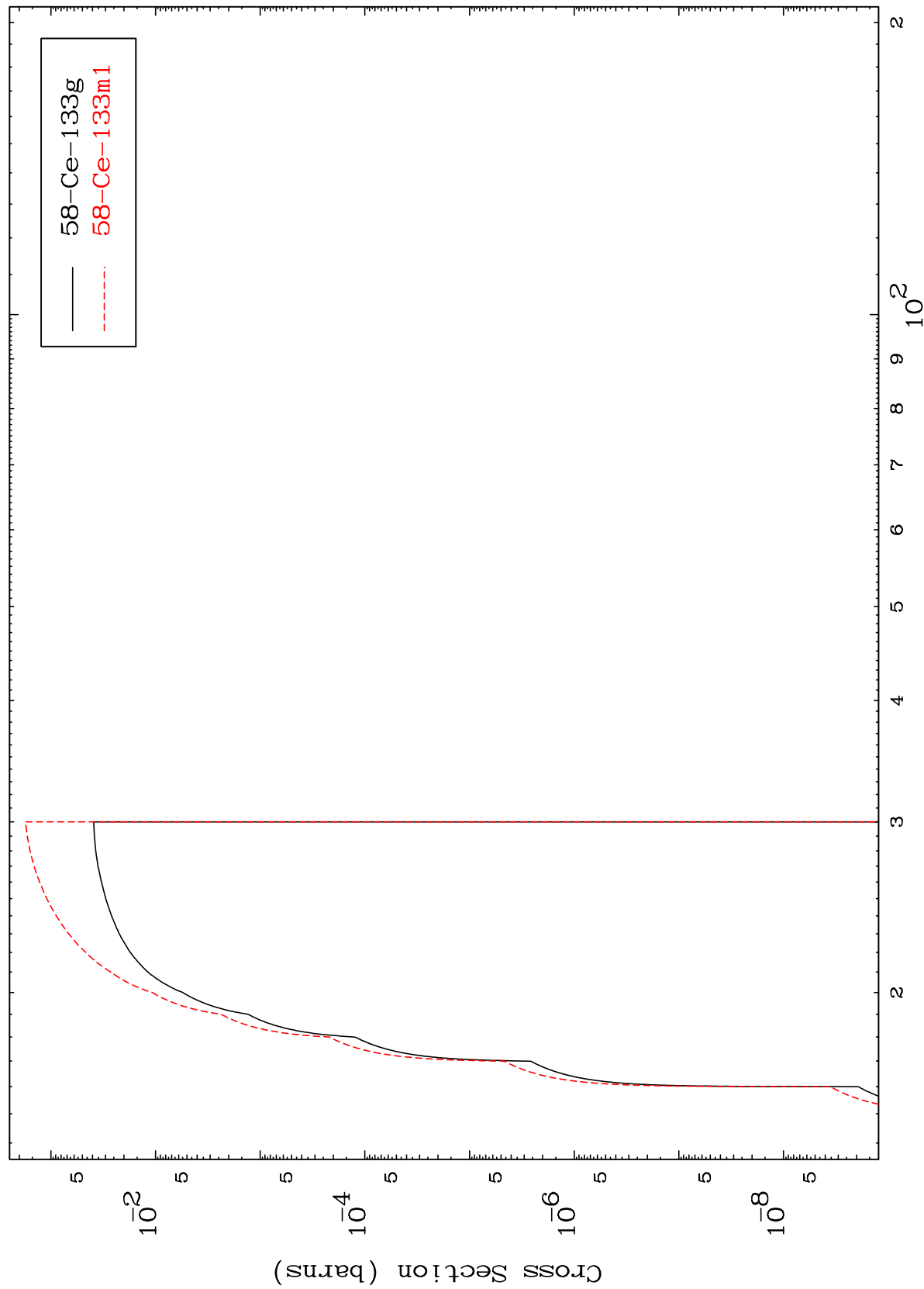
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

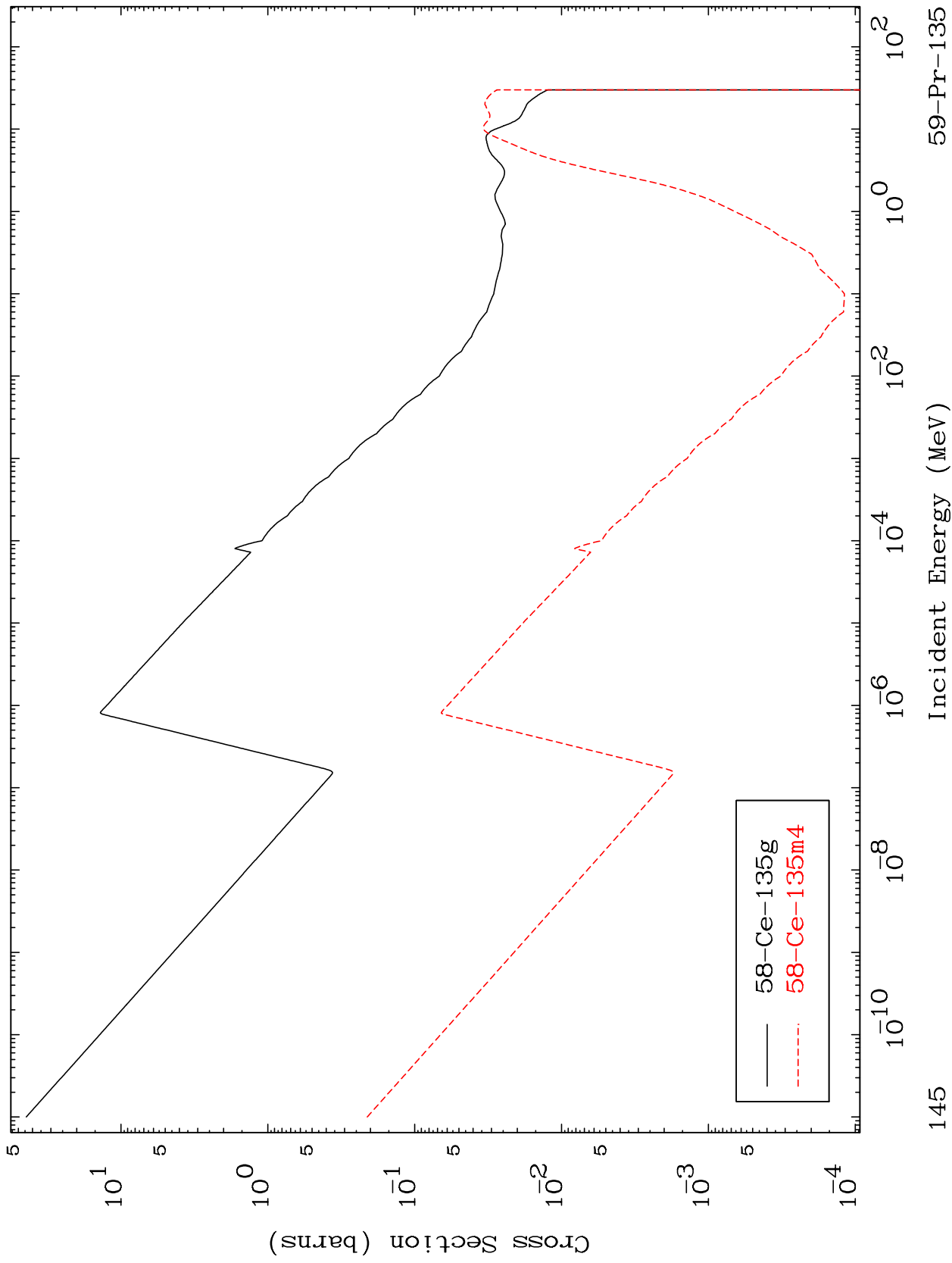


58-Ce-133g
58-Ce-133m1

MAT 5907

59-Pr-135

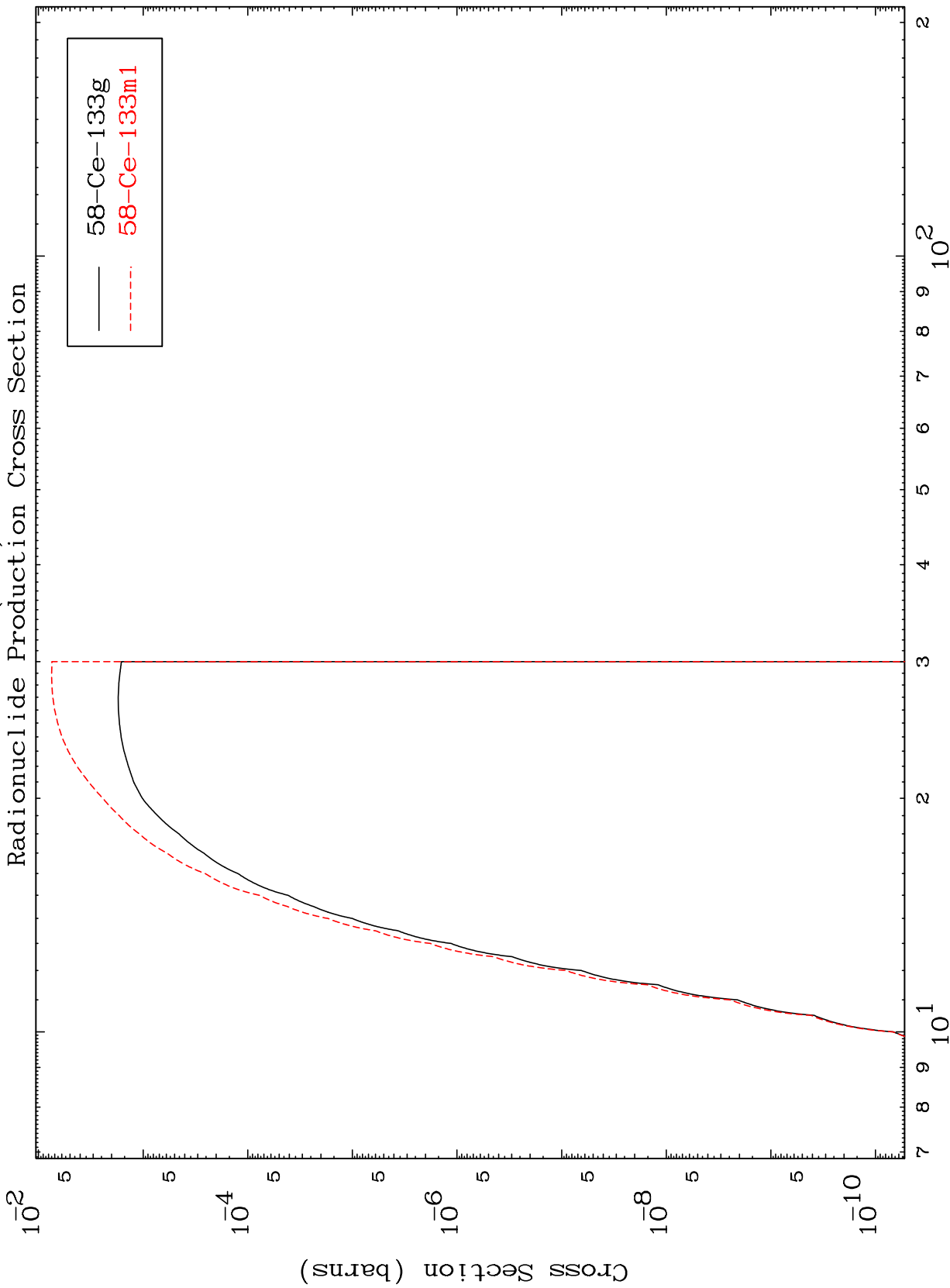
(n,p)
Radionuclide Production Cross Section



MAT 5907

59-Pr-135

(n, t)
Radionuclide Production Cross Section



146

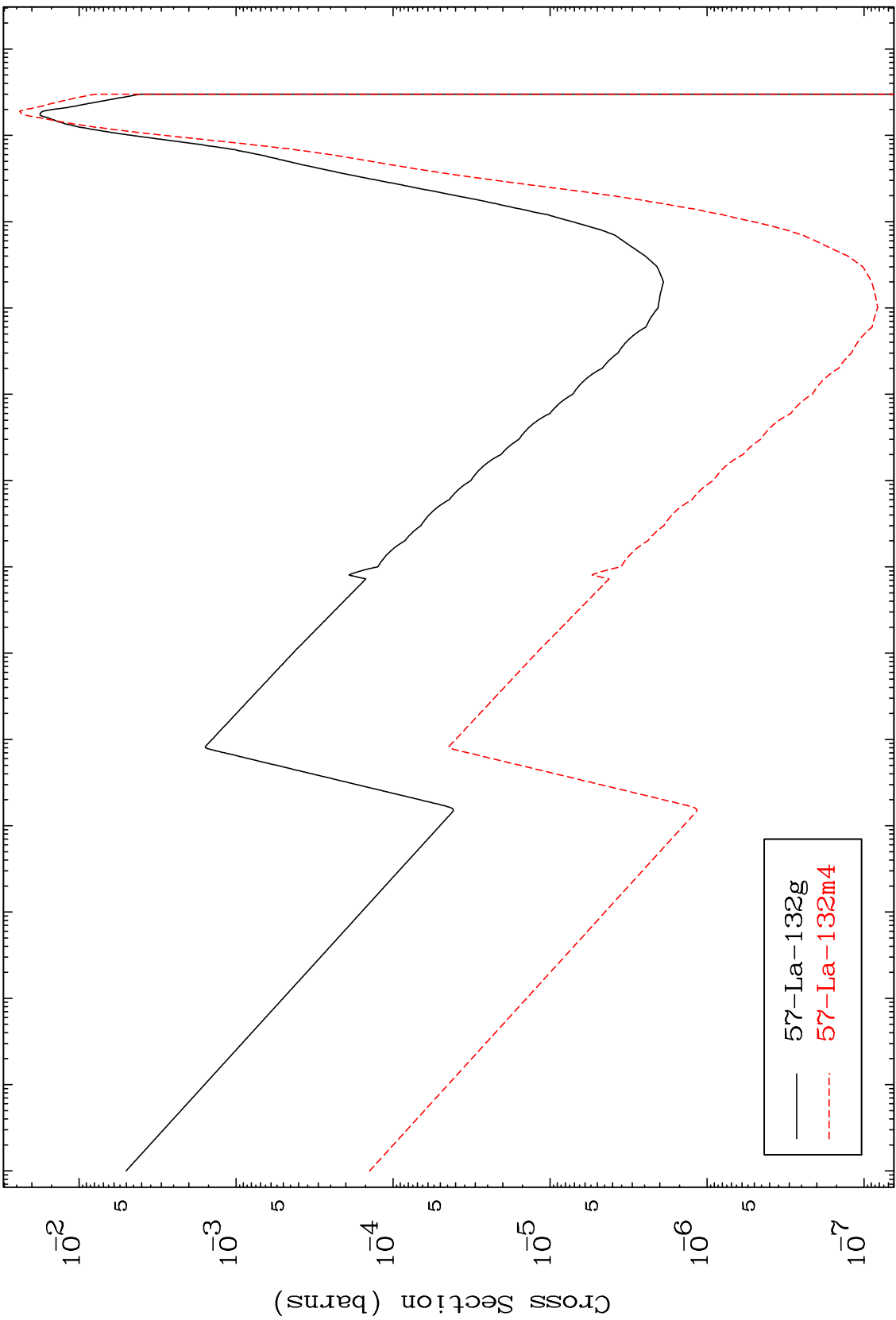
Incident Energy (MeV)

59-Pr-135

MAT 5907

59-Pr-135

Radionuclide Production Cross Section



59-Pr-135

10⁻²

10⁻³

10⁻⁴

10⁻⁵

10⁻⁶

10⁻⁷

Incident Energy (MeV)

59-Pr-135

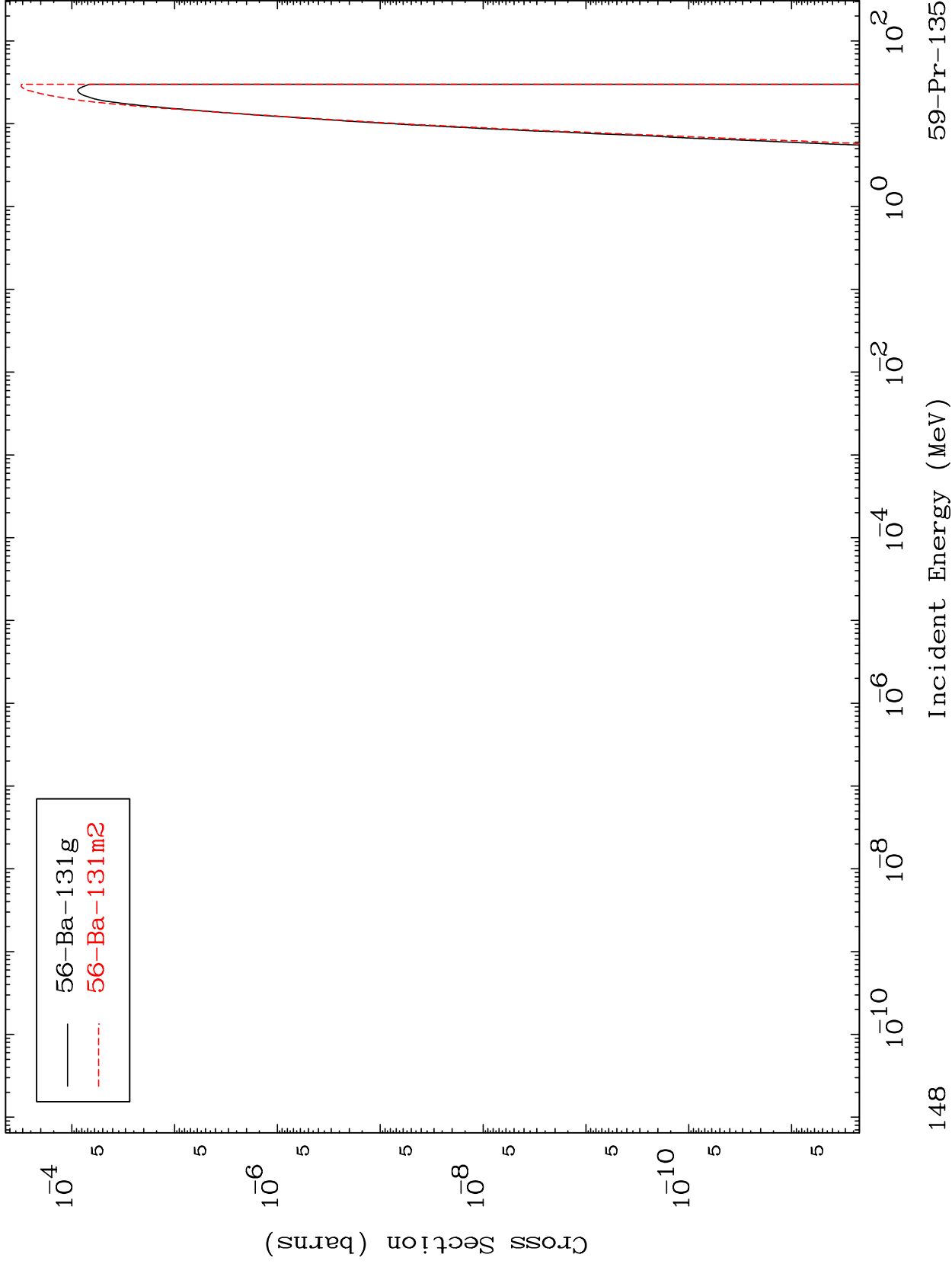
147

MAT 5907

(n,p) α

59-Pr-135

Radionuclide Production Cross Section

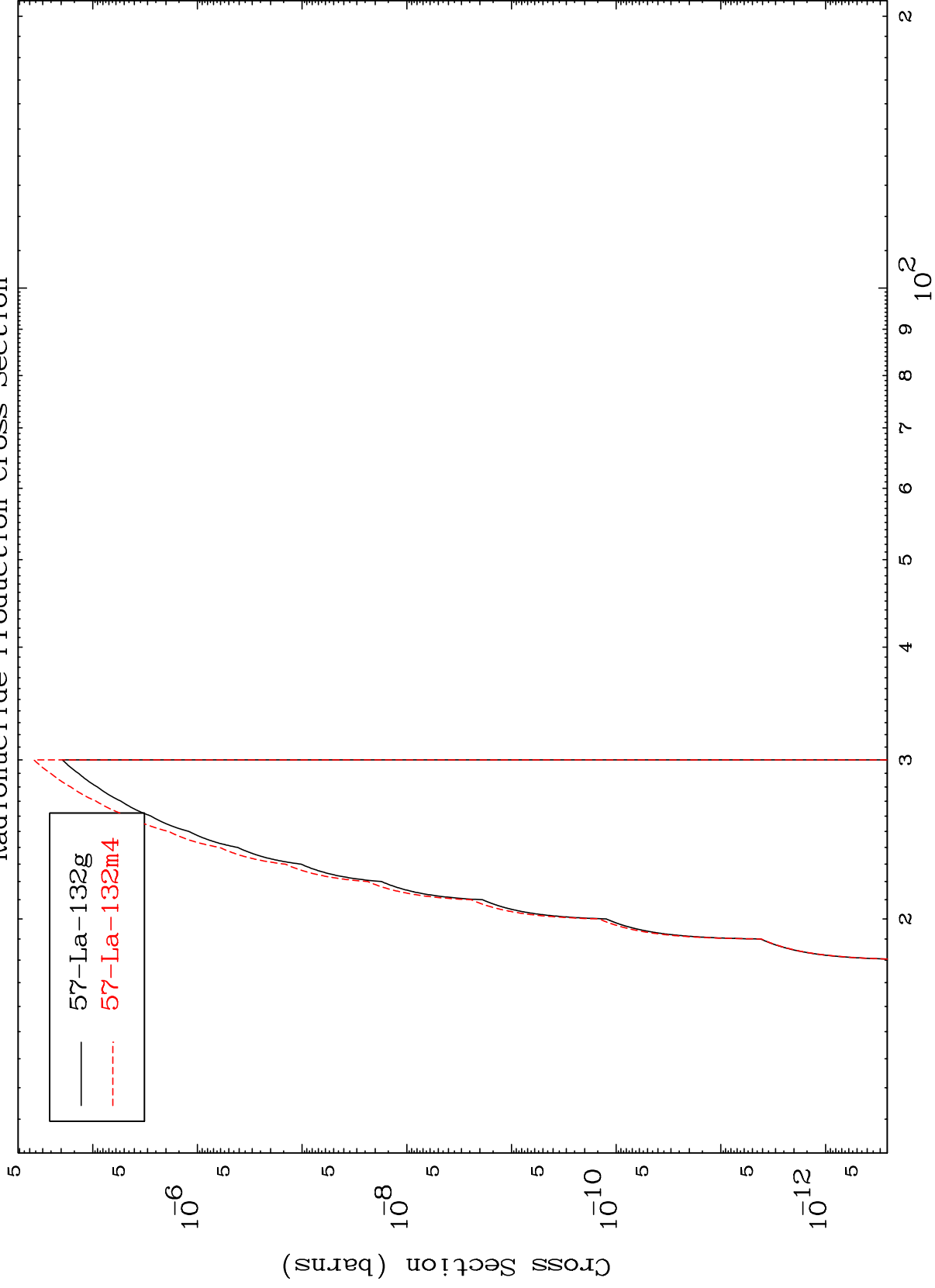


MAT 5907

(n,p) t

59-Pr-135

Radionuclide Production Cross Section



149

Incident Energy (MeV)

59-Pr-135