

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

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

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

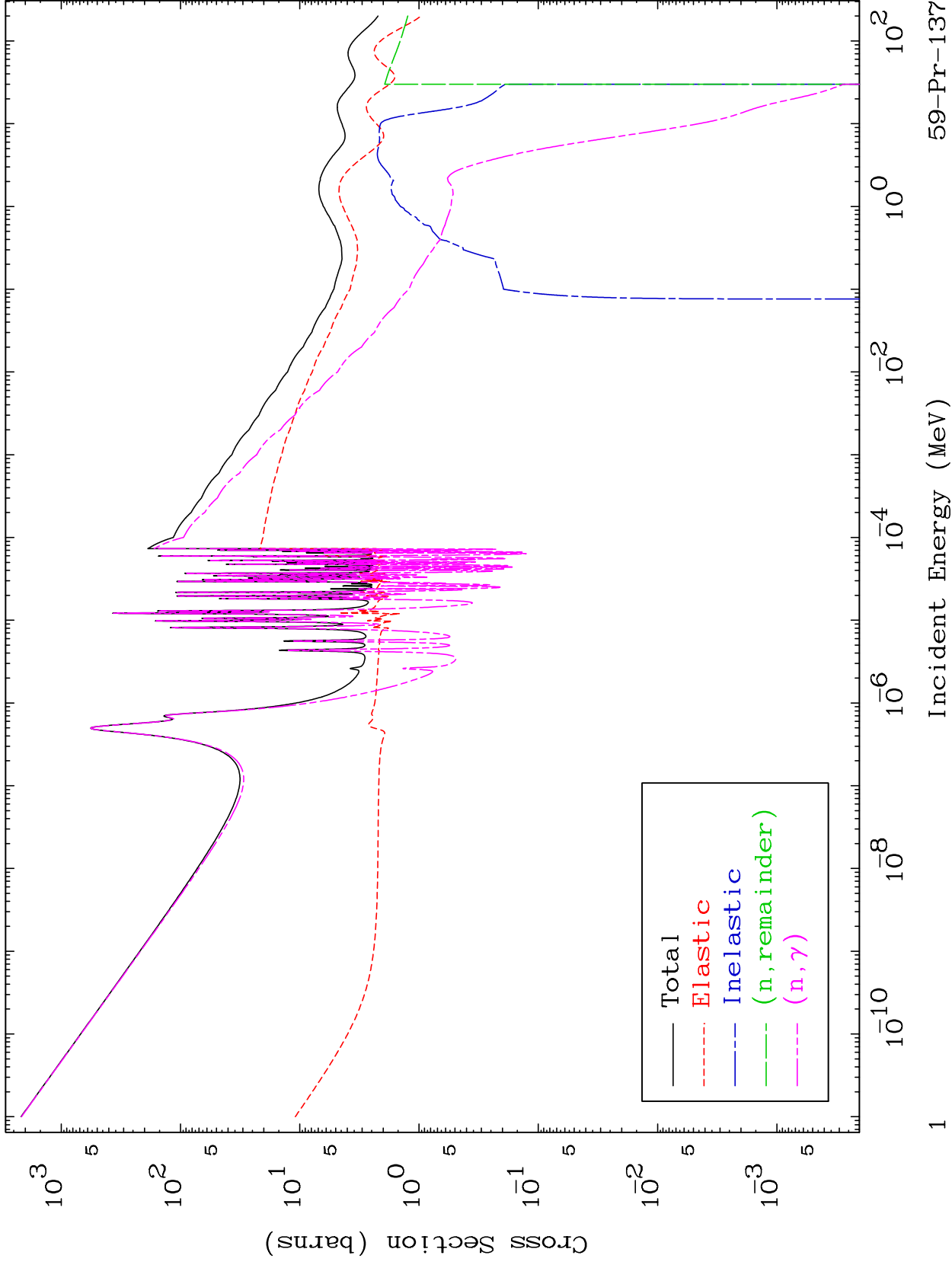
Web:redcullen1.net/HOMEPAGE.NEW

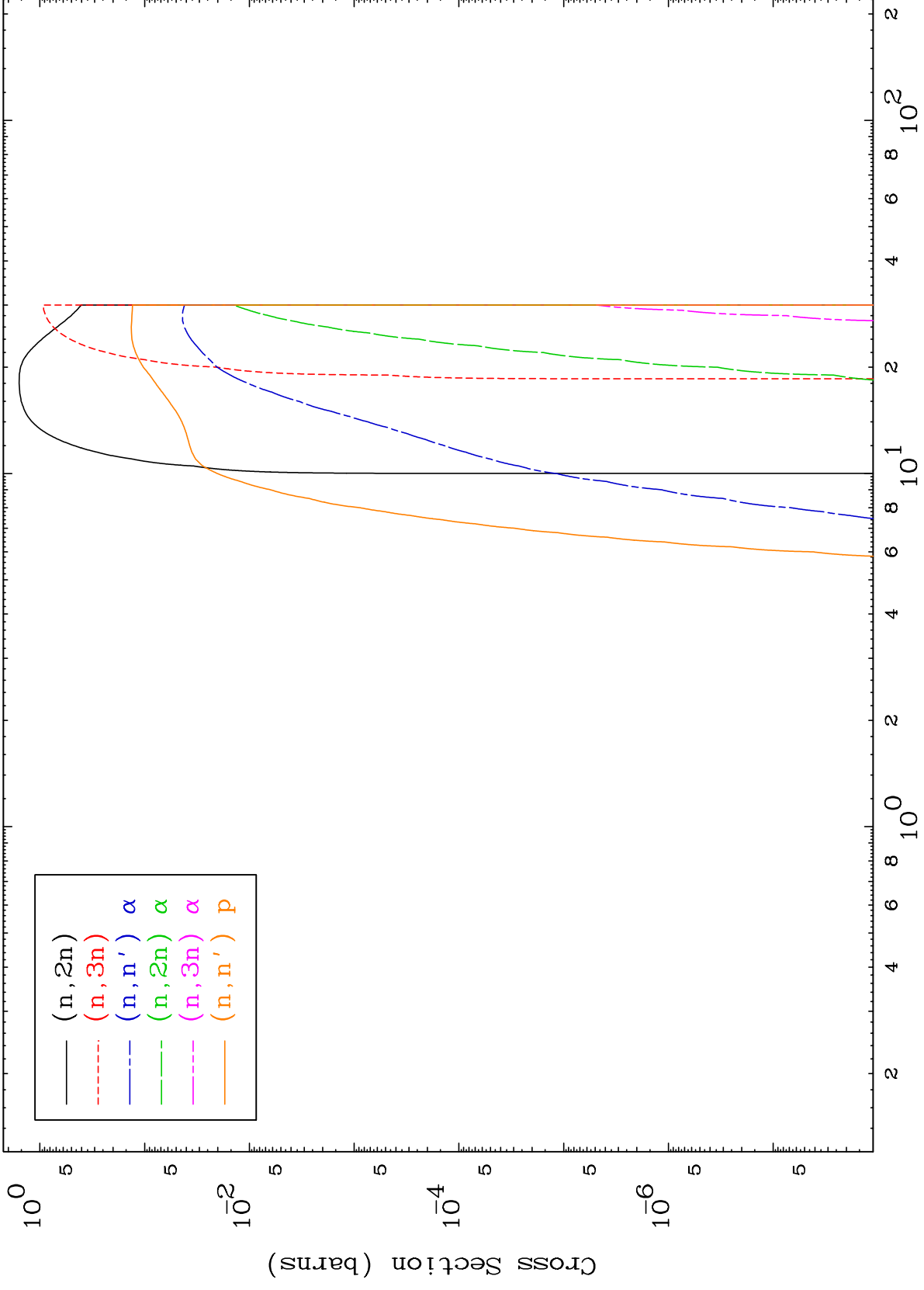
Press Mouse Button to Start

MAT 5913

Major  
293 Kelvin Cross Sections

59-Pr-137

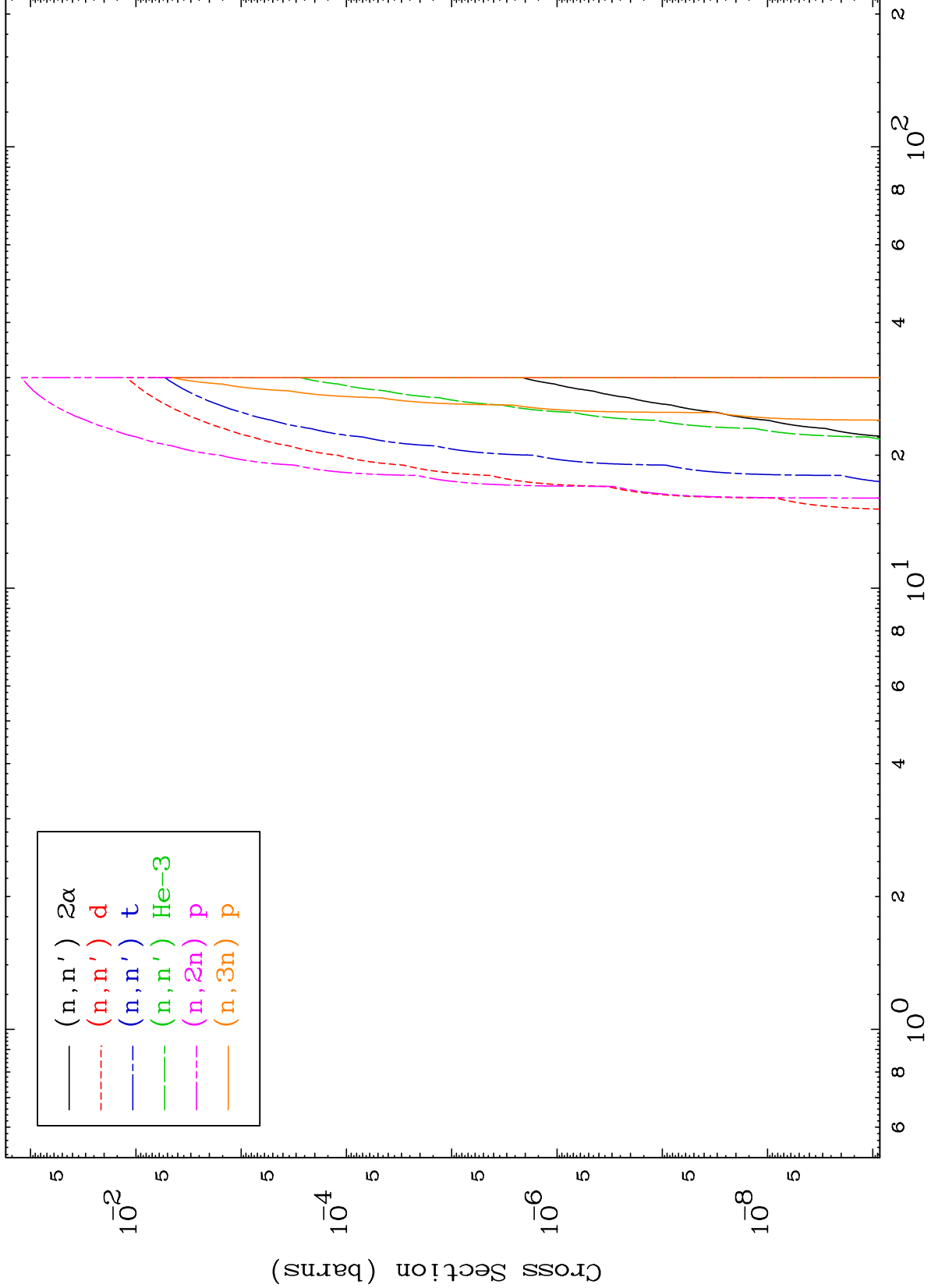




MAT 5913

Neutron Production  
293 Kelvin Cross Sections

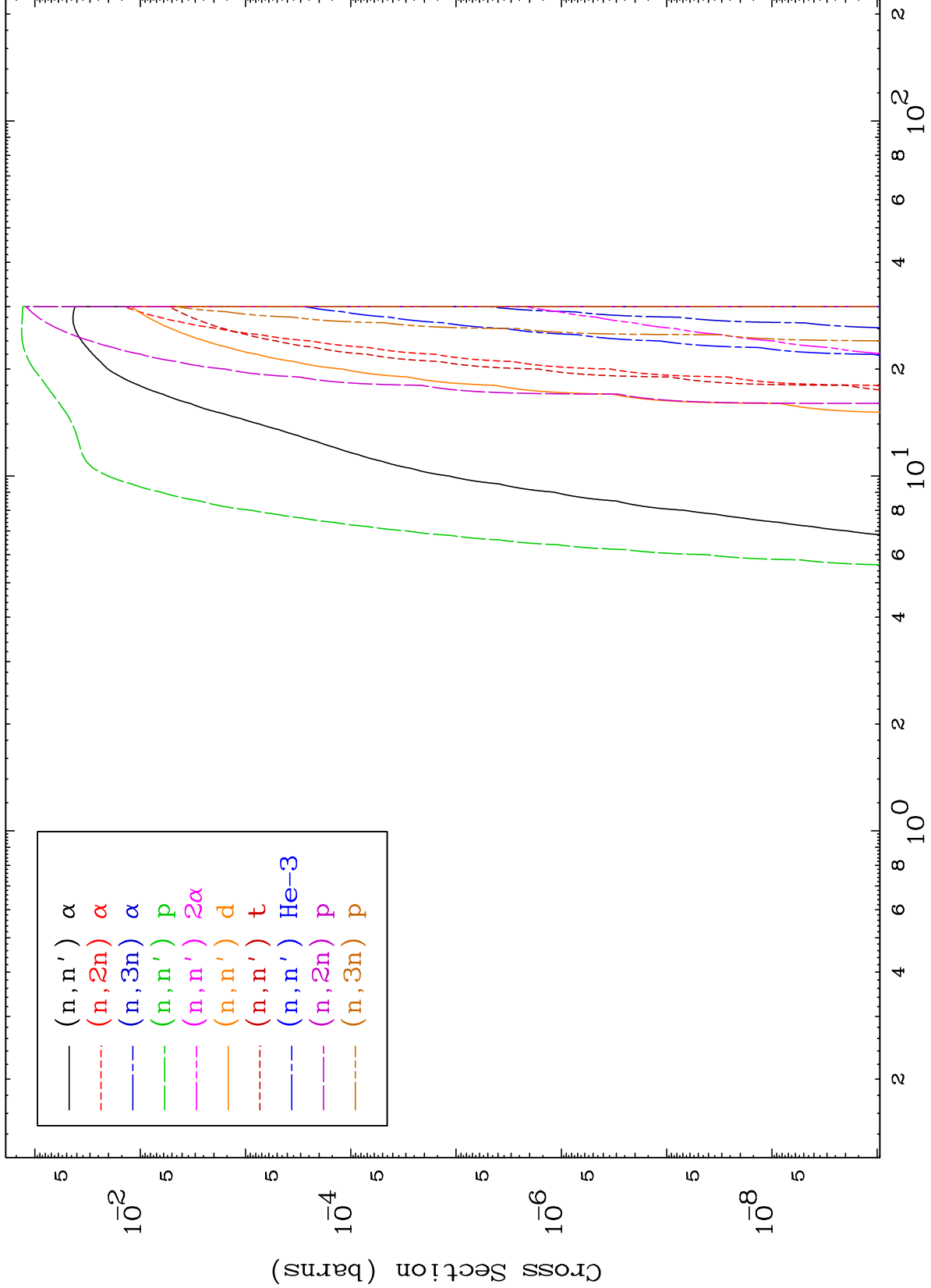
59-Pr-137



Incident Energy (MeV)

59-Pr-137

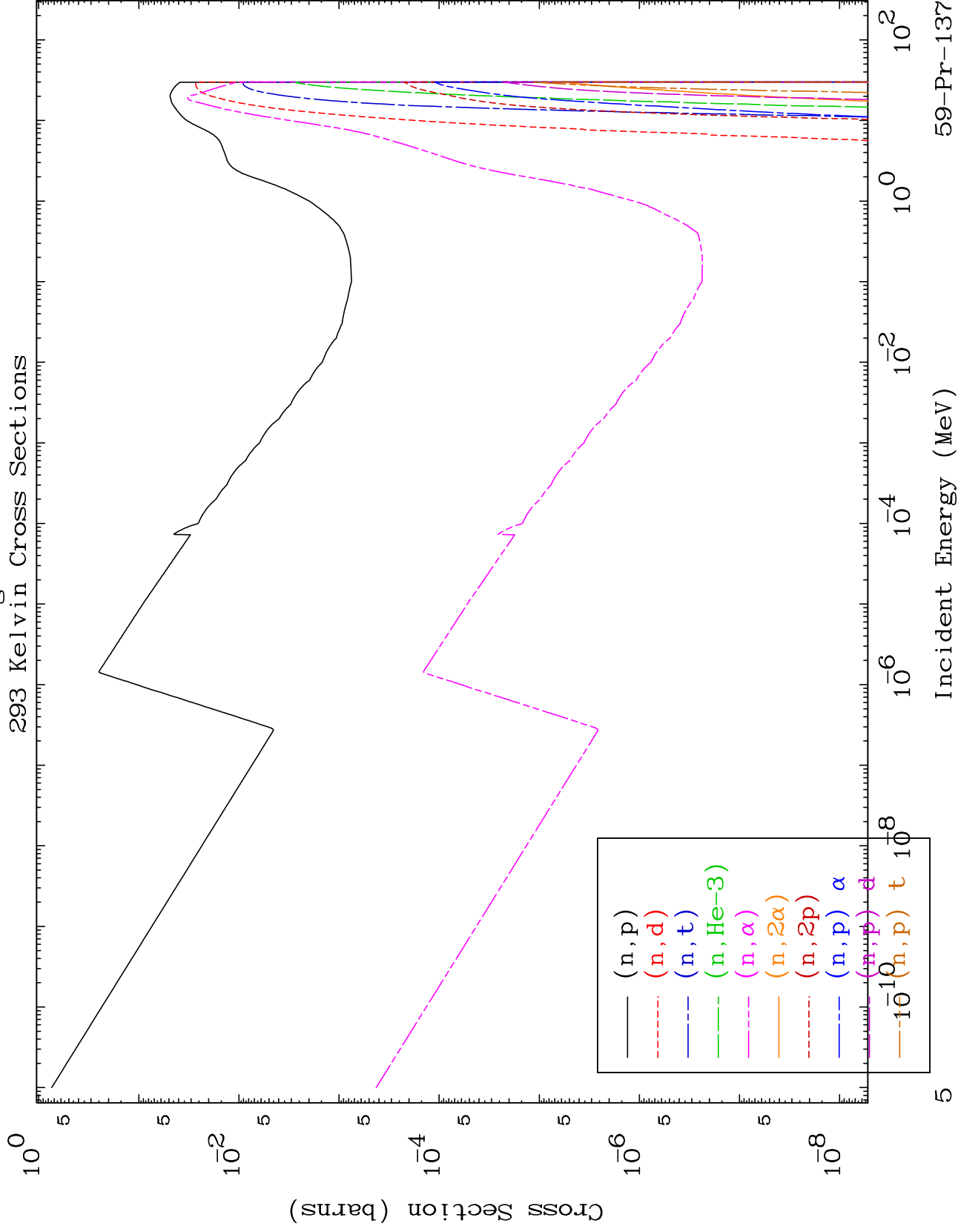
3



MAT 5913

Charged Particle  
293 Kelvin Cross Sections

59-Pr-137



59-Pr-137

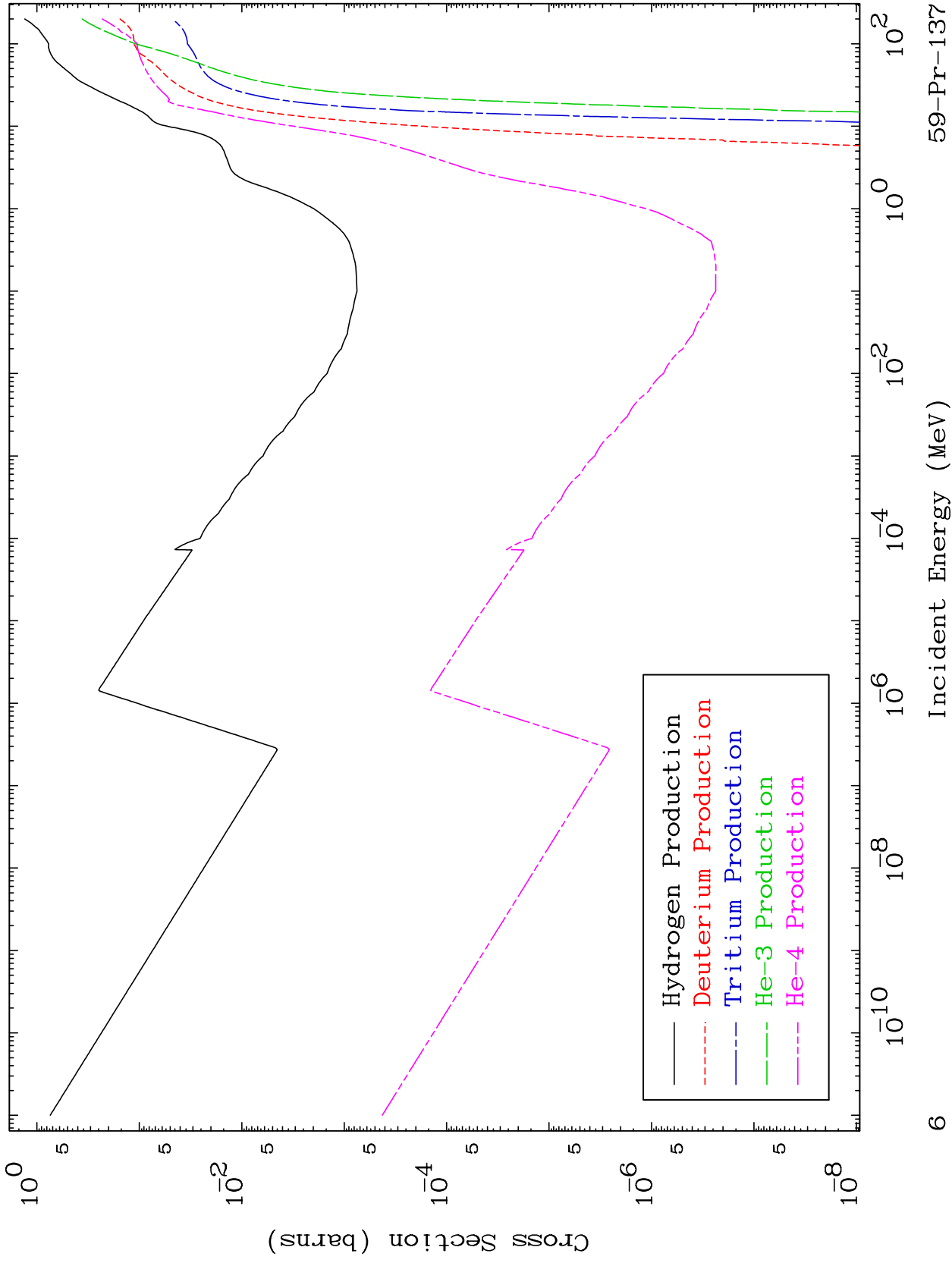
Incident Energy (MeV)

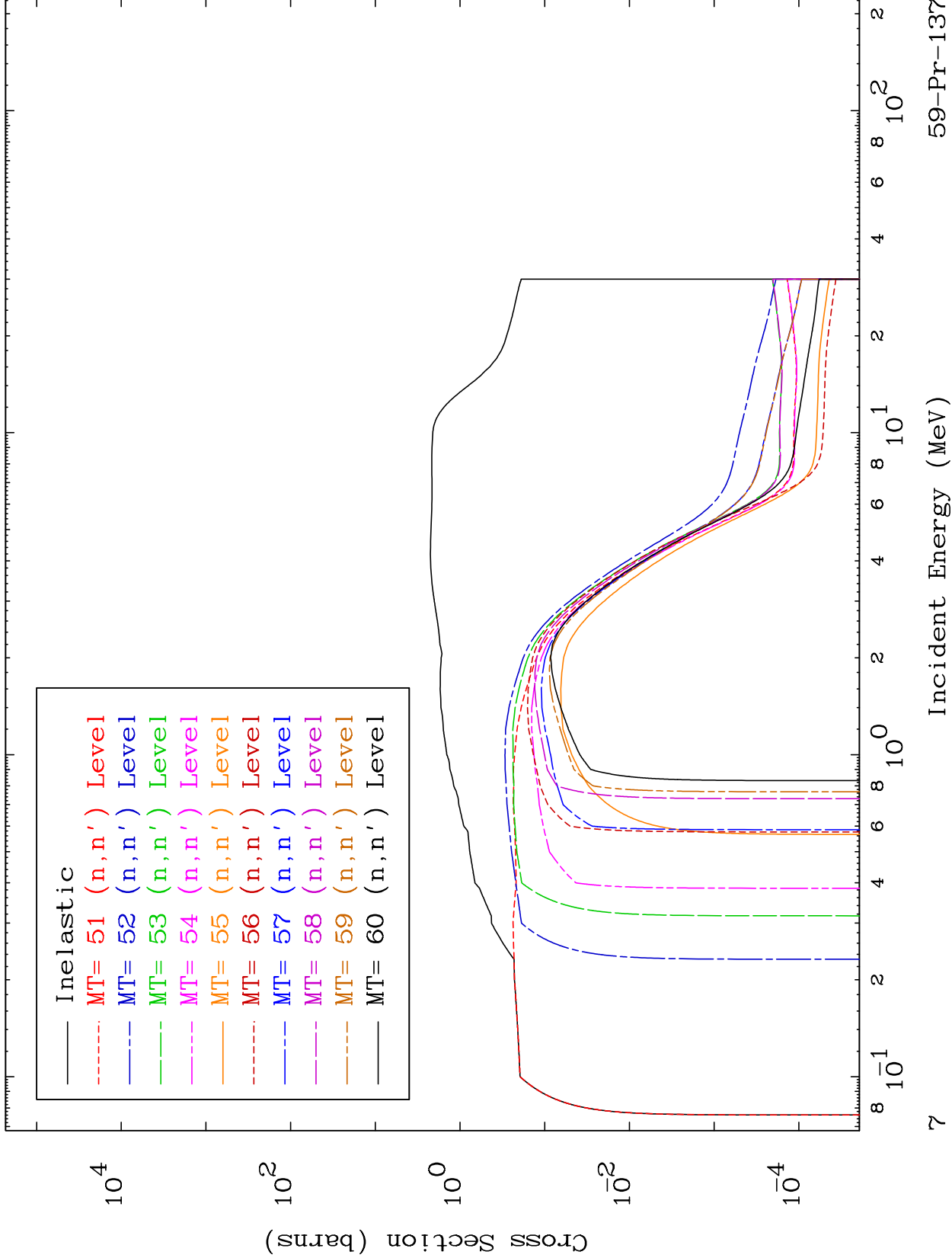
5

MAT 5913

Particle Production  
293 Kelvin Cross Sections

59-Pr-137





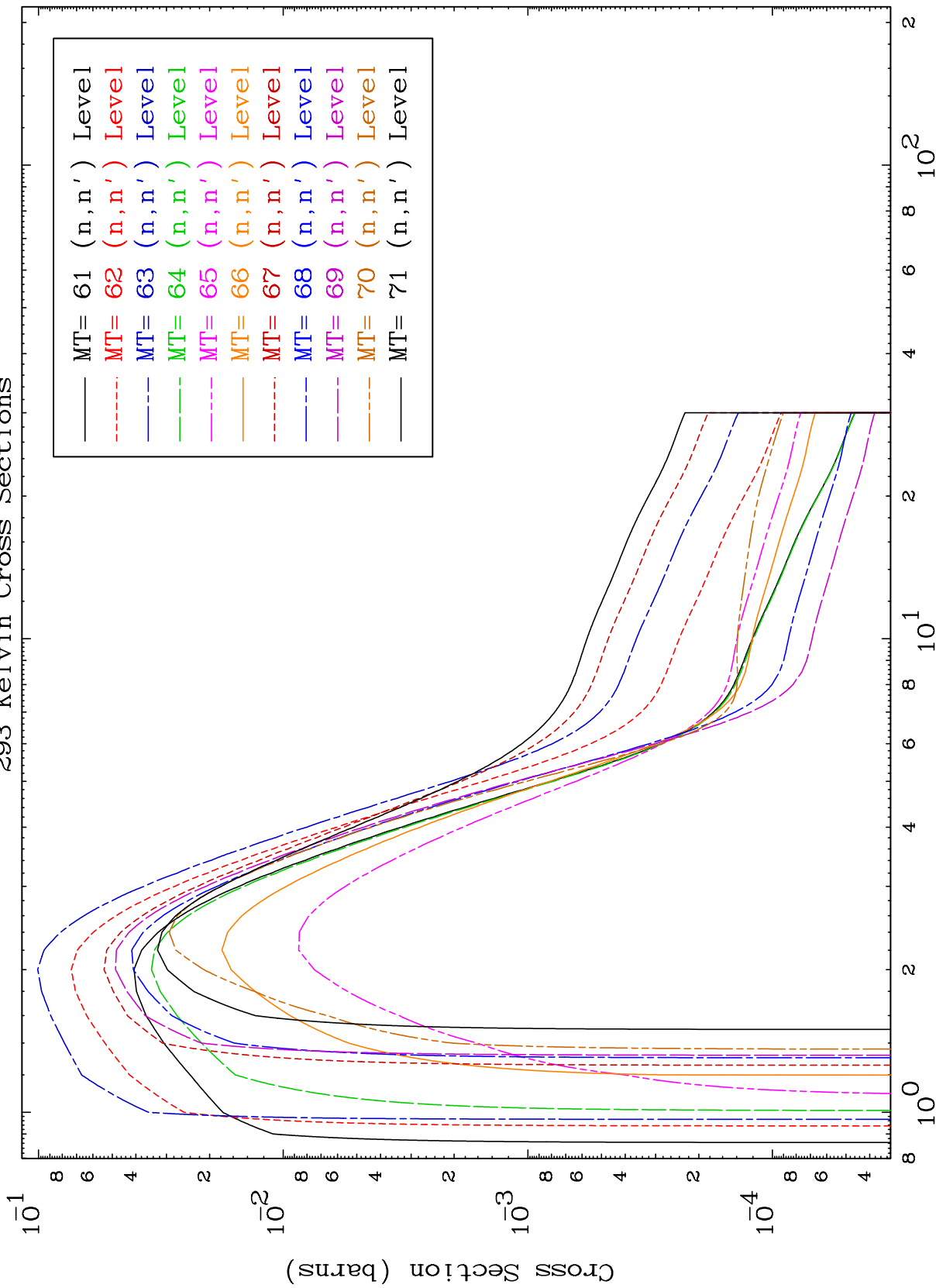


MAT 5913

(n,n') Level

59-Pr-137

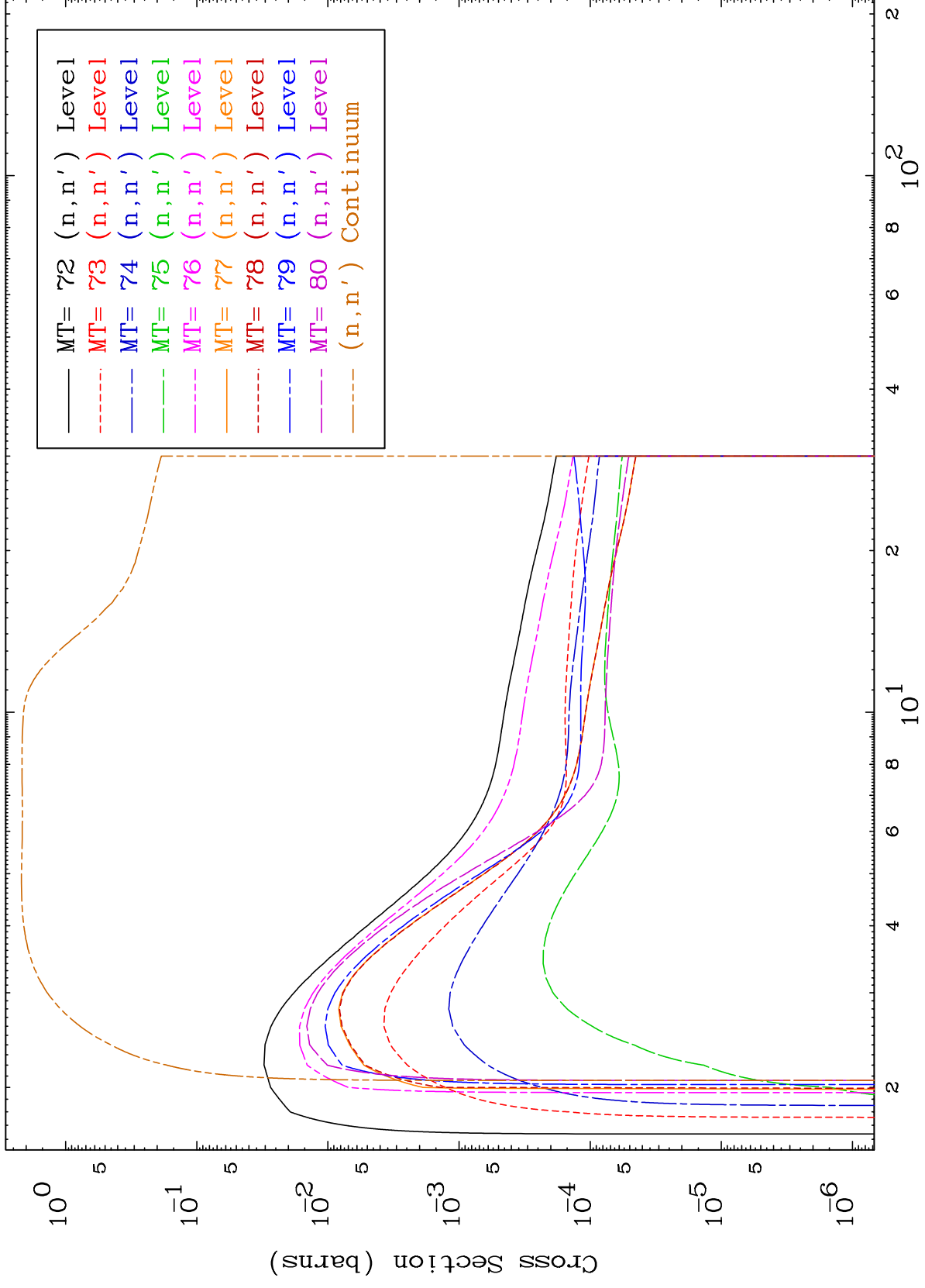
293 Kelvin Cross Sections



Incident Energy (MeV)

59-Pr-137

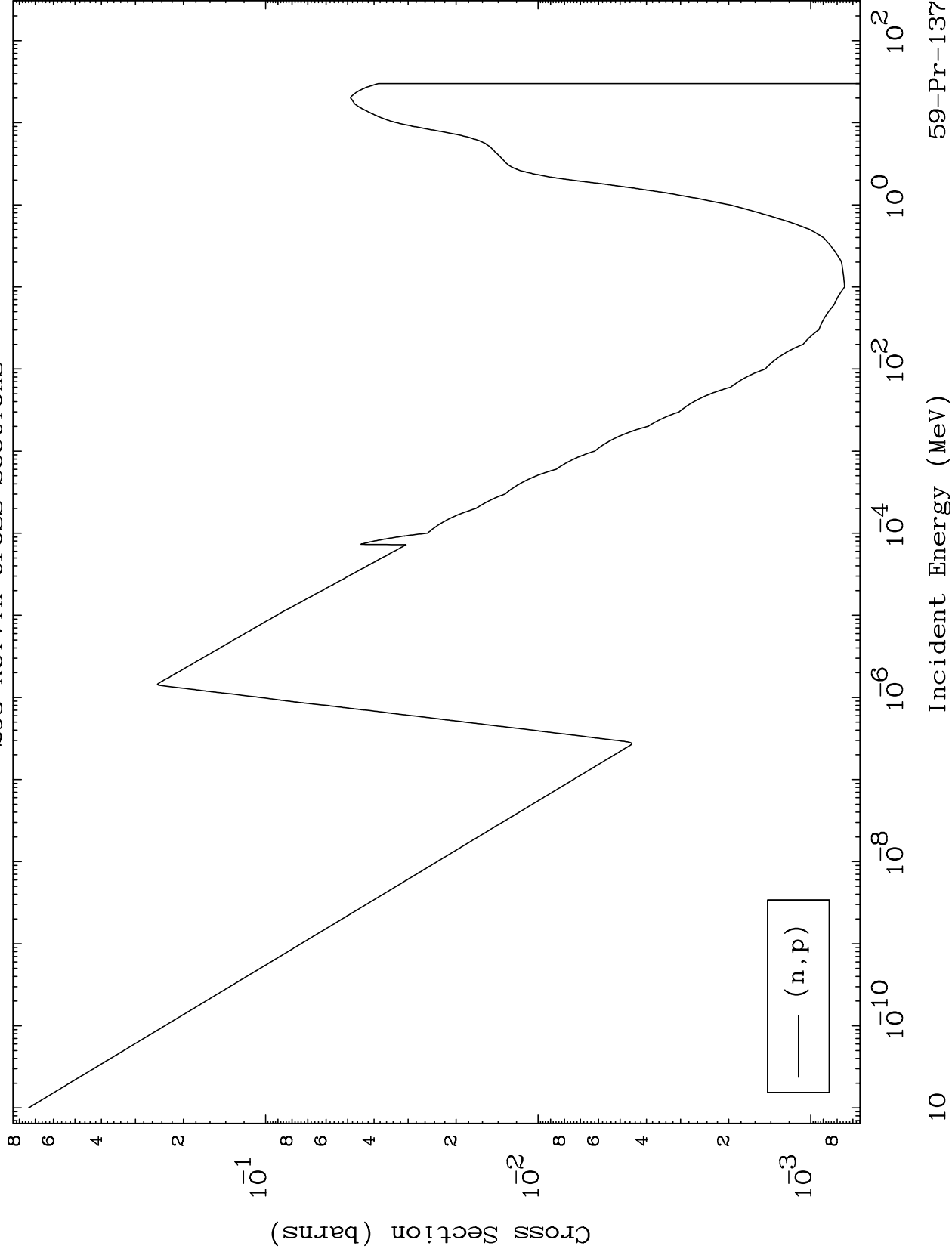
293 Kelvin Cross Sections



MAT 5913

(n,p) Levels  
293 Kelvin Cross Sections

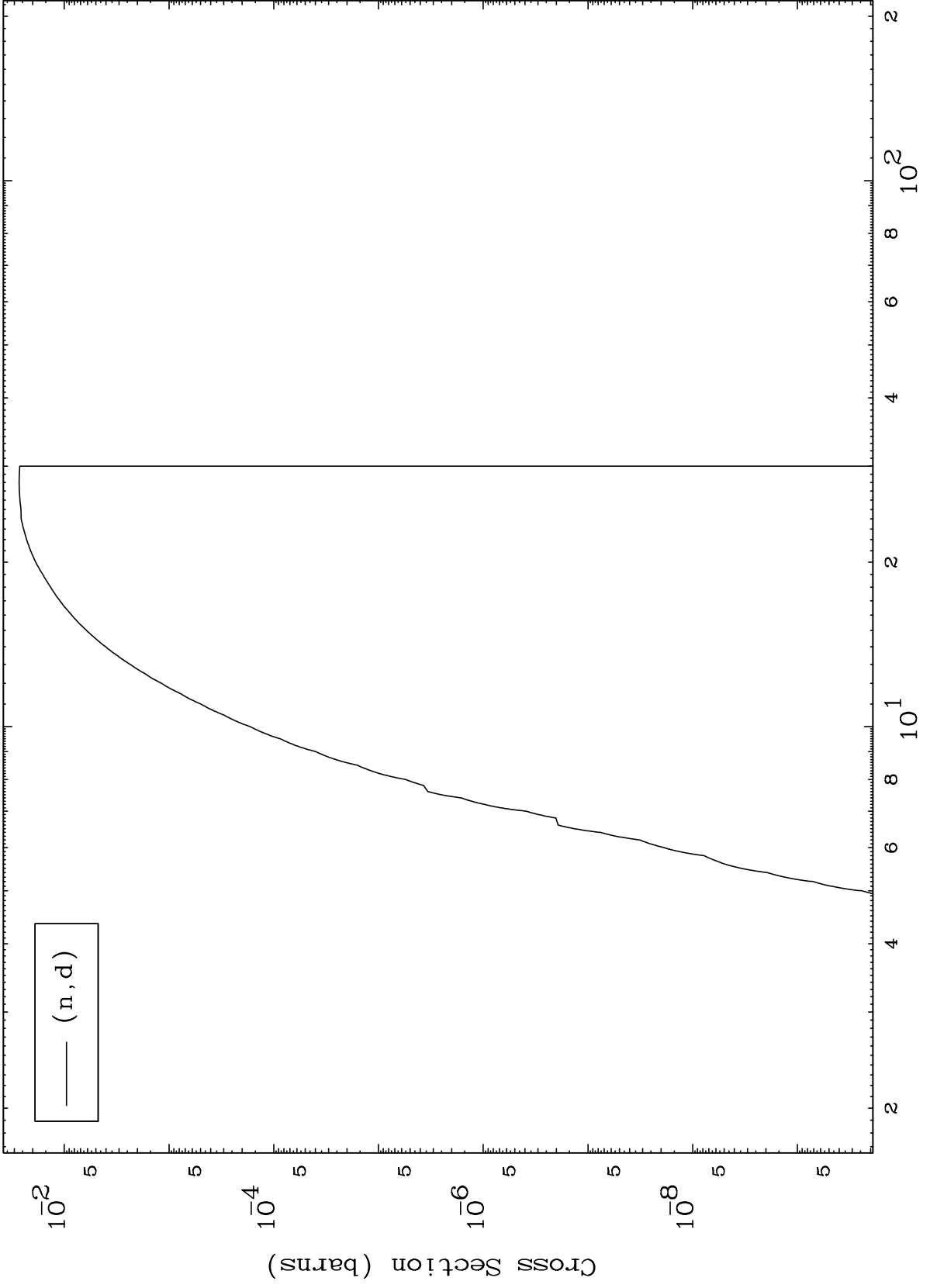
59-Pr-137



MAT 5913

(n,d) Levels  
293 Kelvin Cross Sections

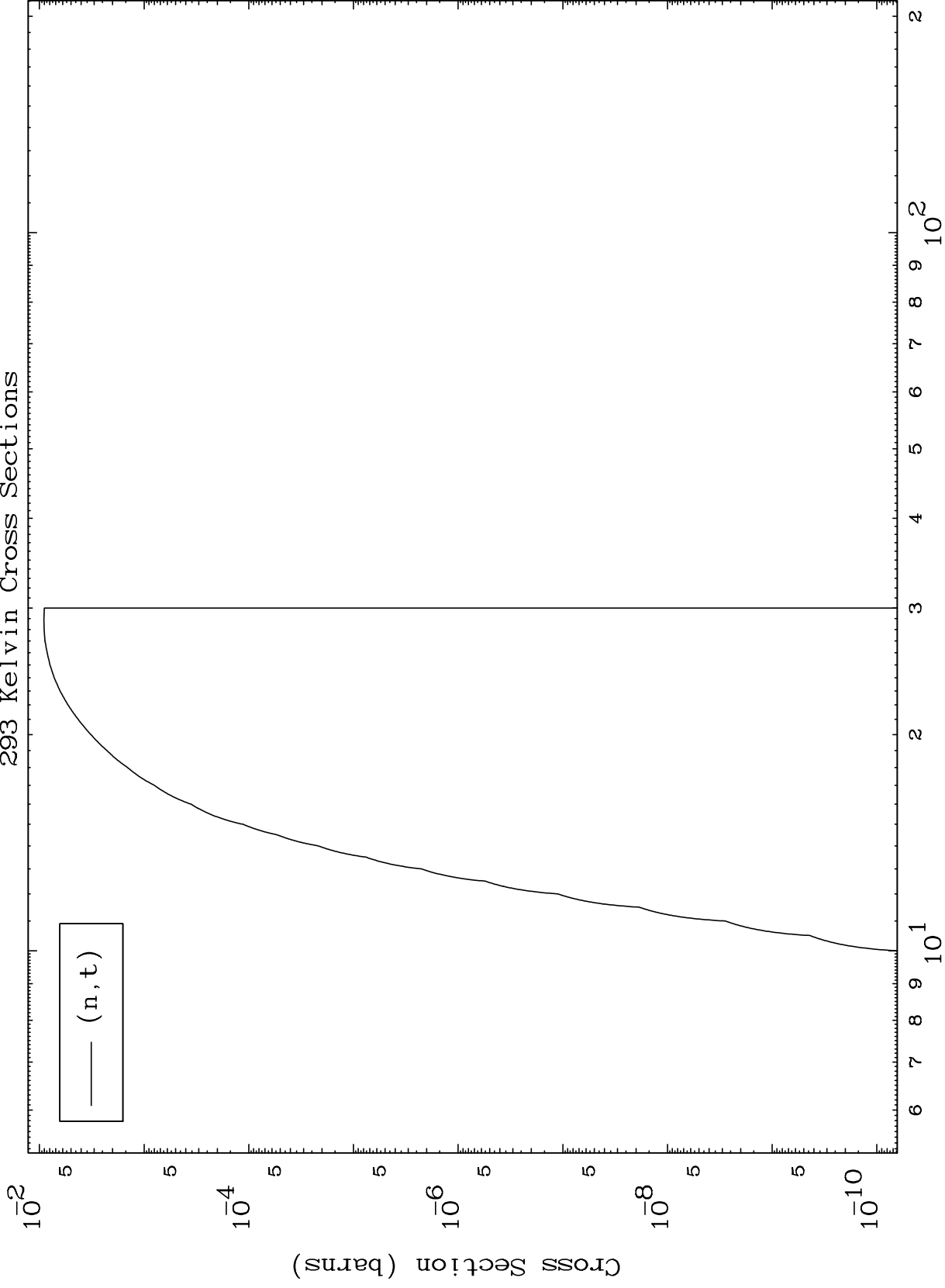
59-Pr-137



MAT 5913

(n, t) Levels  
293 Kelvin Cross Sections

59-Pr-137



12

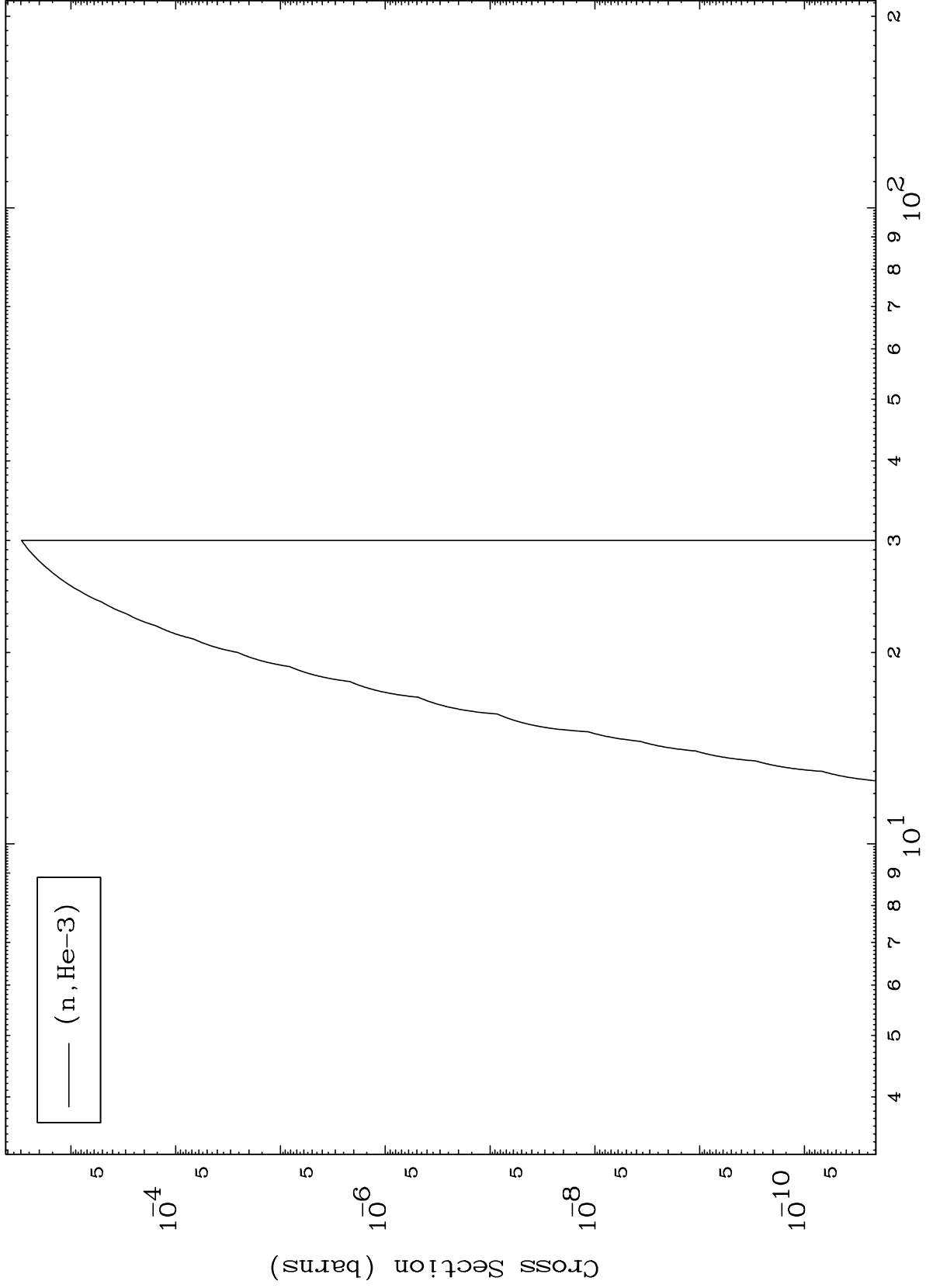
Incident Energy (MeV)

59-Pr-137

MAT 5913

(n,He3) Levels  
293 Kelvin Cross Sections

59-Pr-137



13

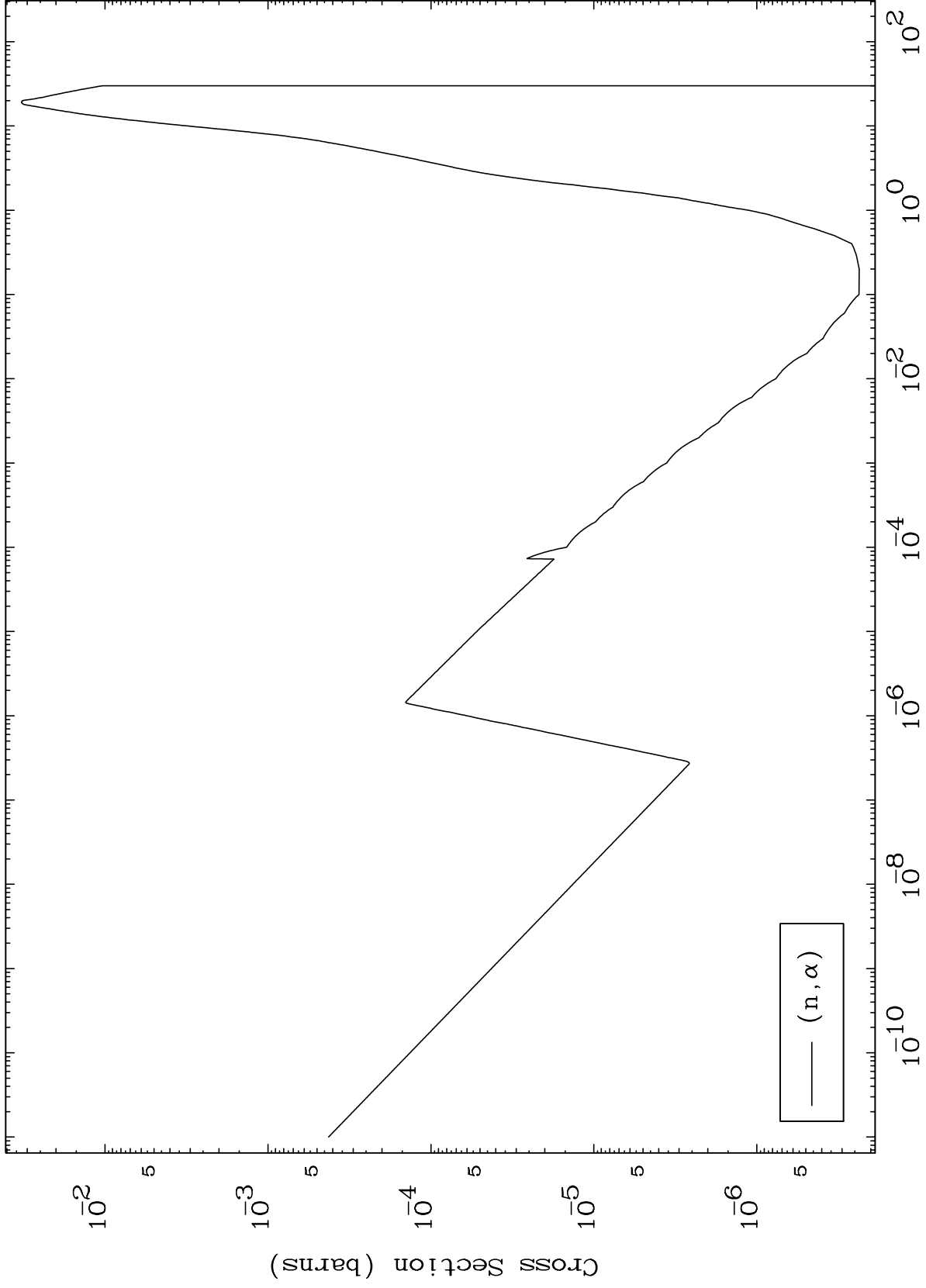
Incident Energy (MeV)

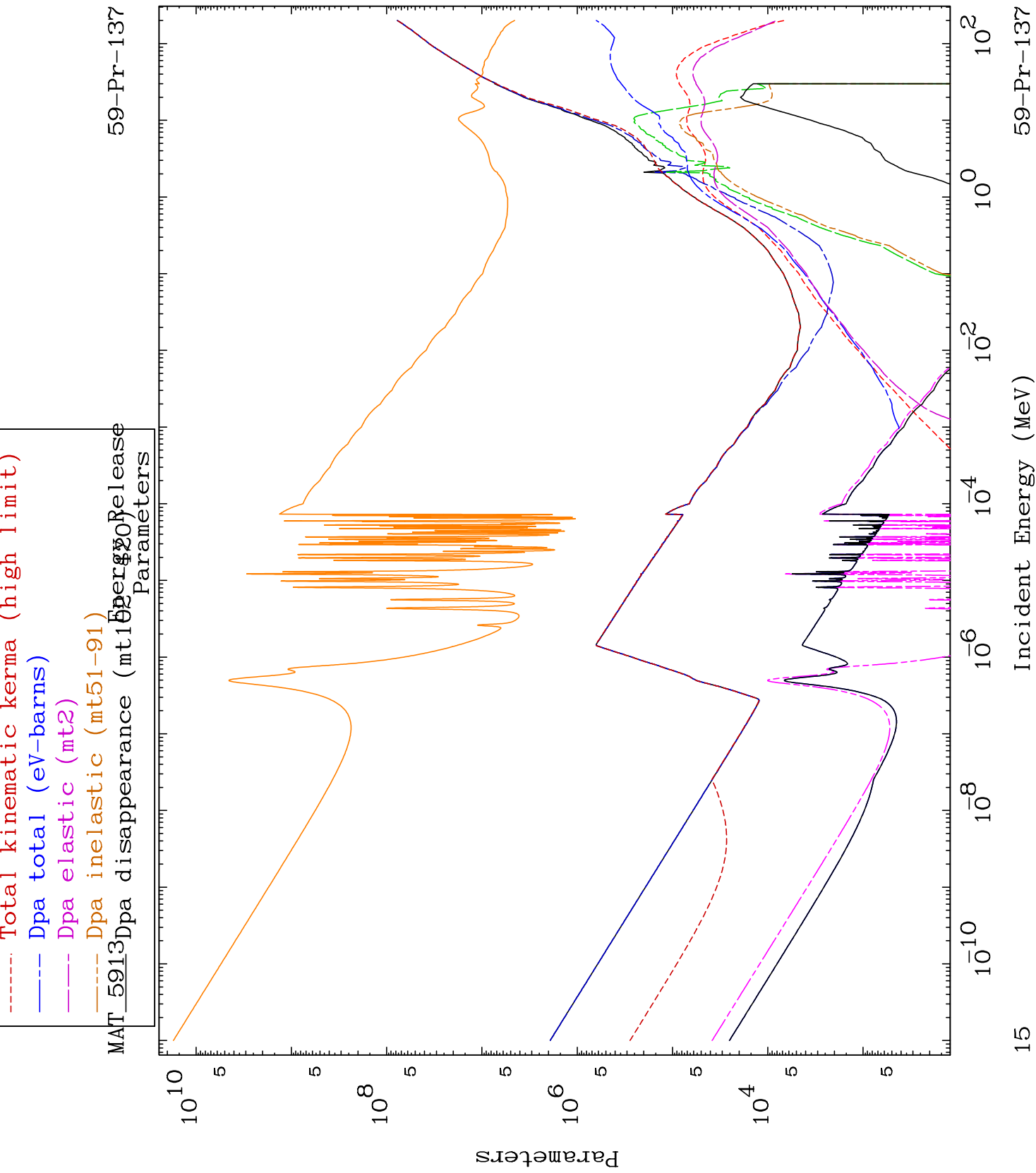
59-Pr-137

MAT 5913

(n,α) Levels  
293 Kelvin Cross Sections

59-Pr-137



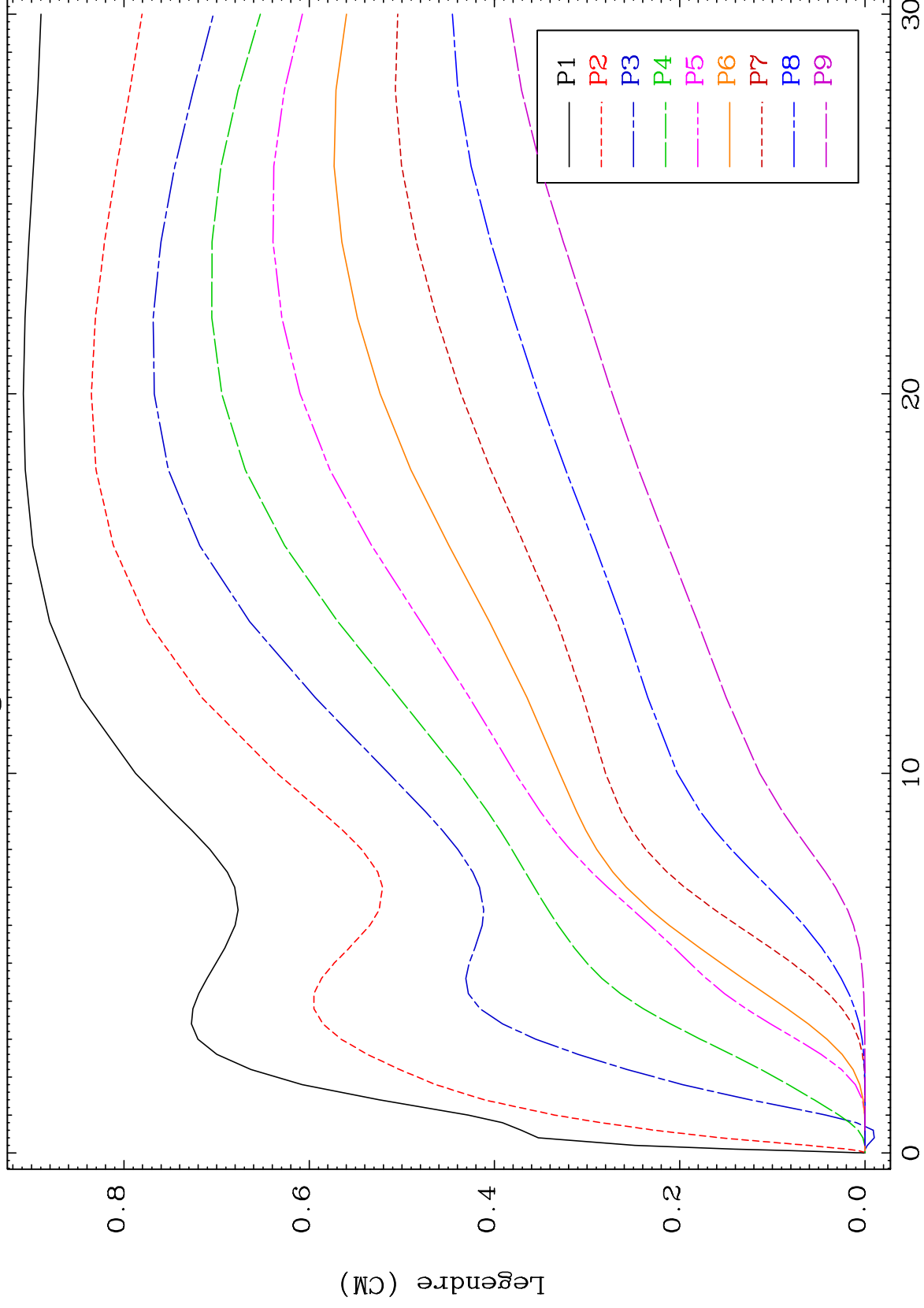




MAT 5913

Elastic Legendre Coefficients

59-Pr-137



16

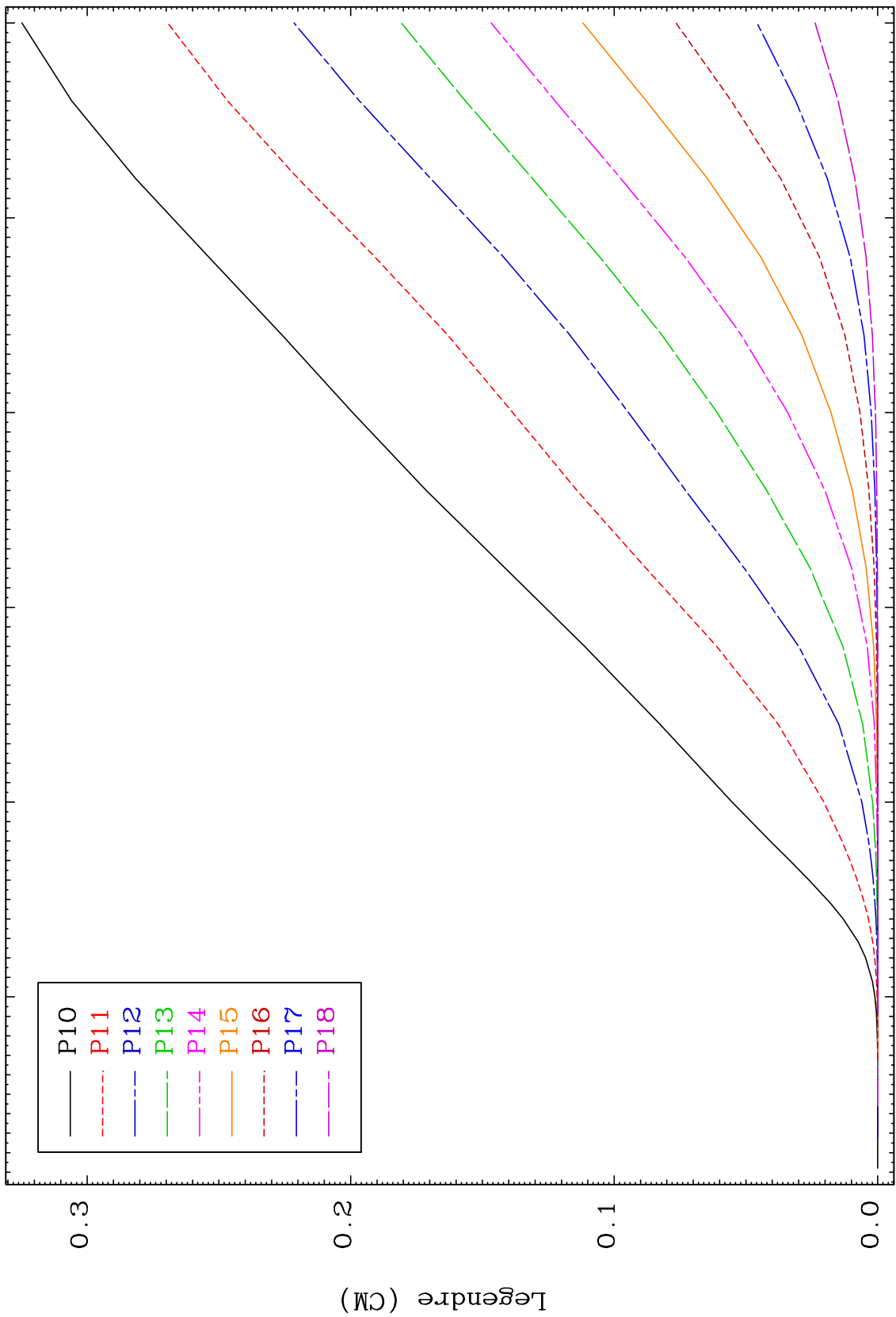
Incident Energy (MeV)

59-Pr-137

MAT 5913

Elastic Legendre Coefficients

59-Pr-137



17

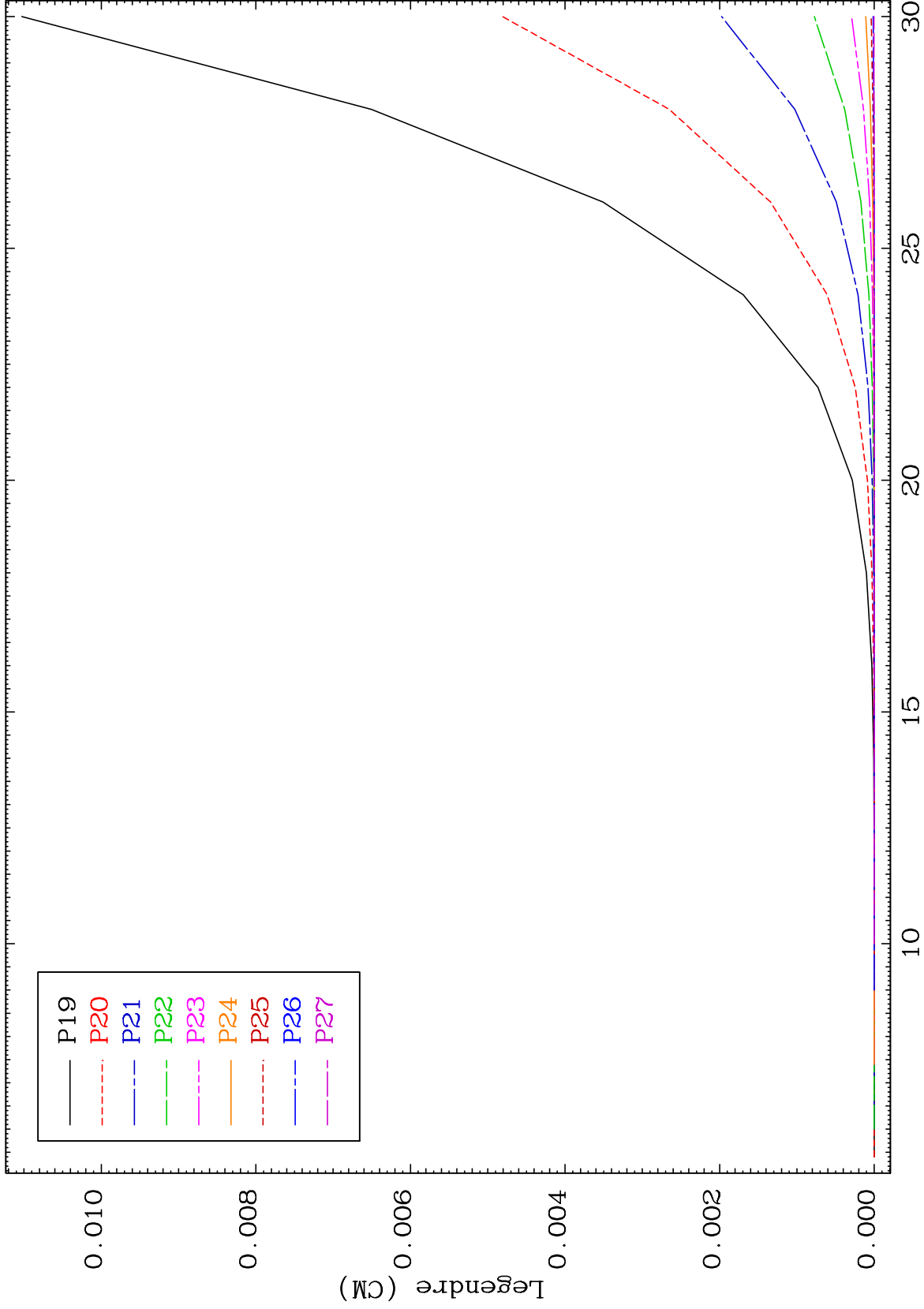
Incident Energy (MeV)

59-Pr-137

MAT 5913

Elastic Legendre Coefficients

59-Pr-137



18

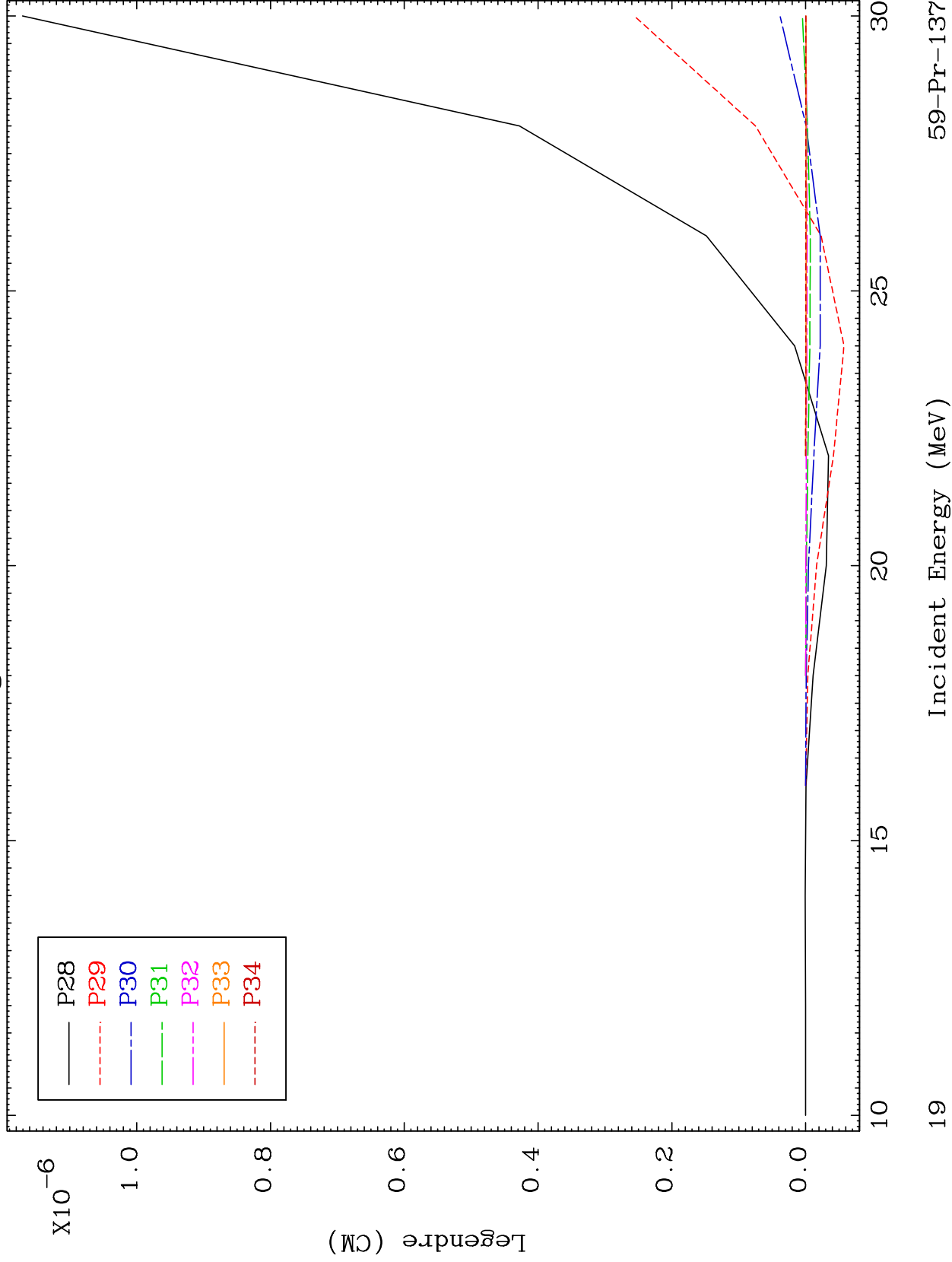
Incident Energy (MeV)

59-Pr-137

MAT 5913

Elastic Legendre Coefficients

59-Pr-137



19

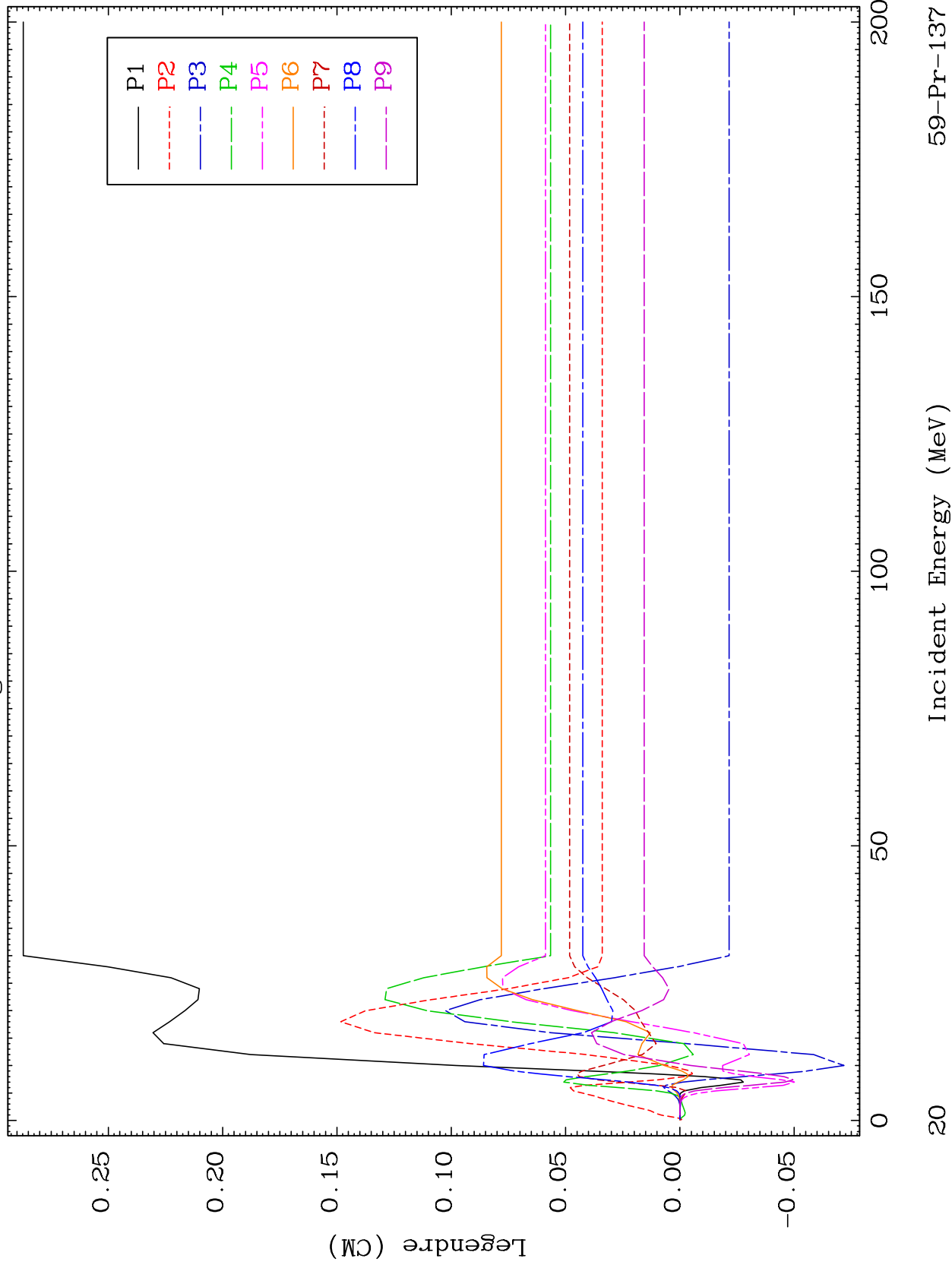
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



59-Pr-137

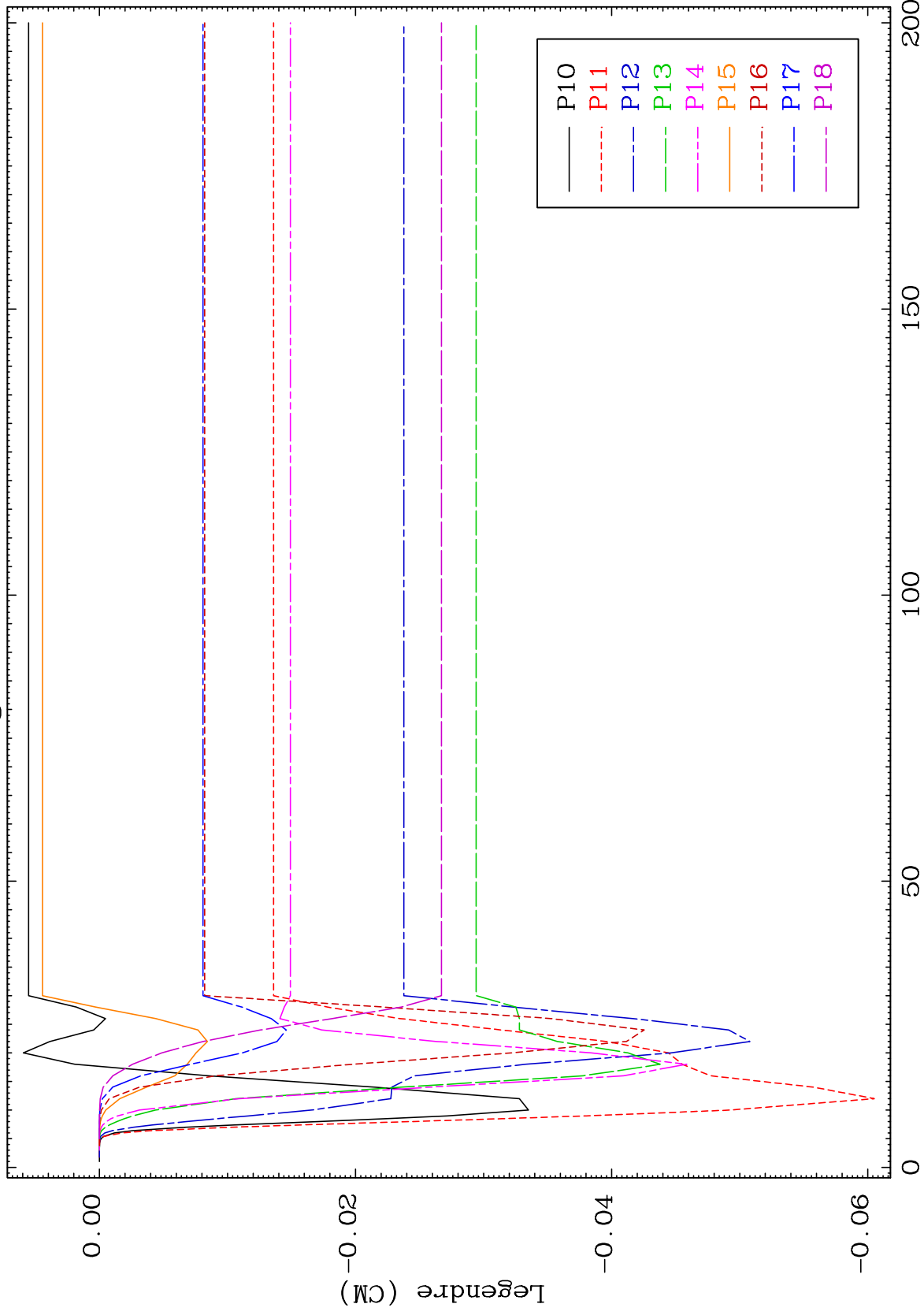
Incident Energy (MeV)

0

MAT 5913

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

59-Pr-137



21

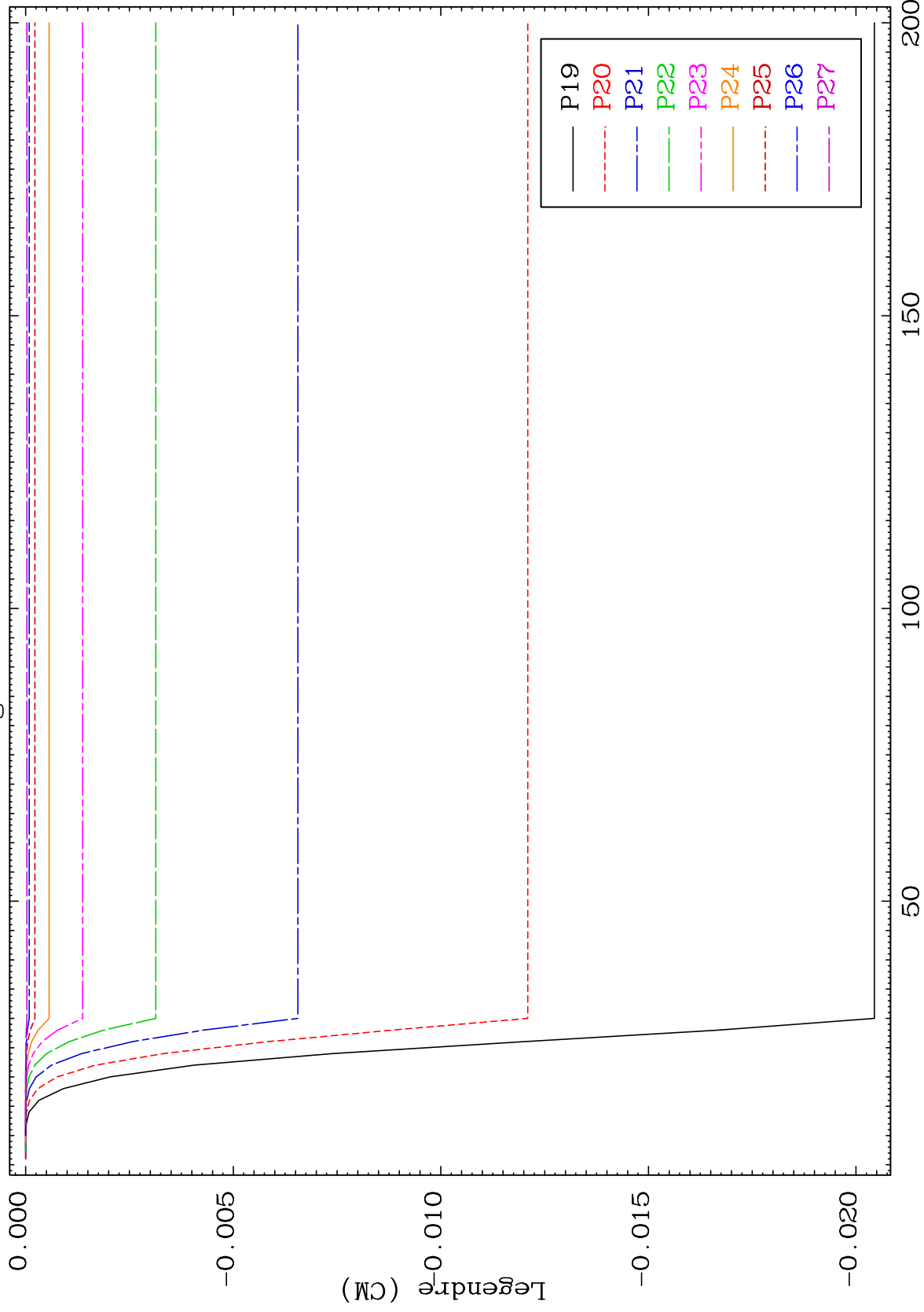
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

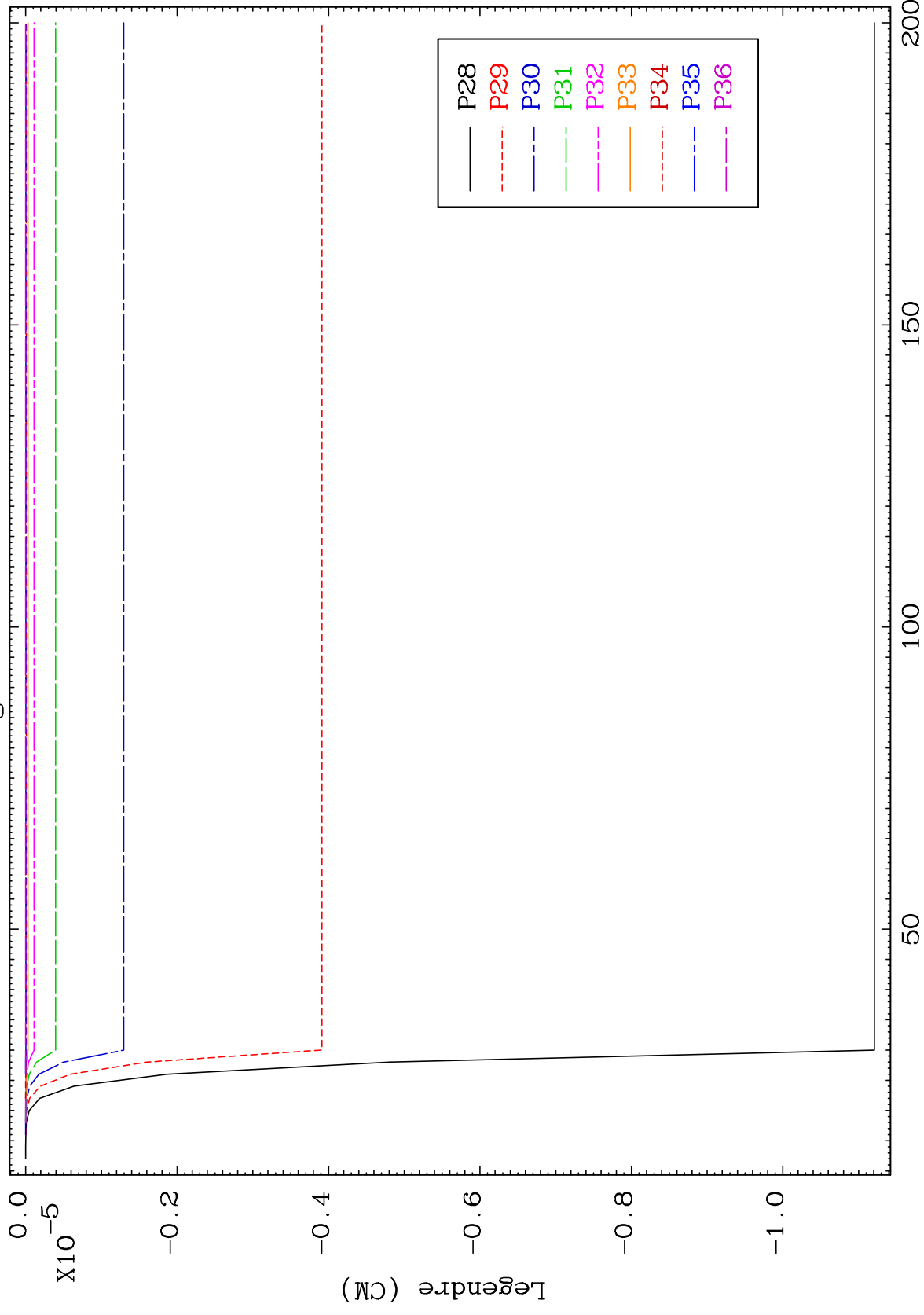
59-Pr-137



MAT 5913

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

59-Pr-137



23

Incident Energy (MeV)

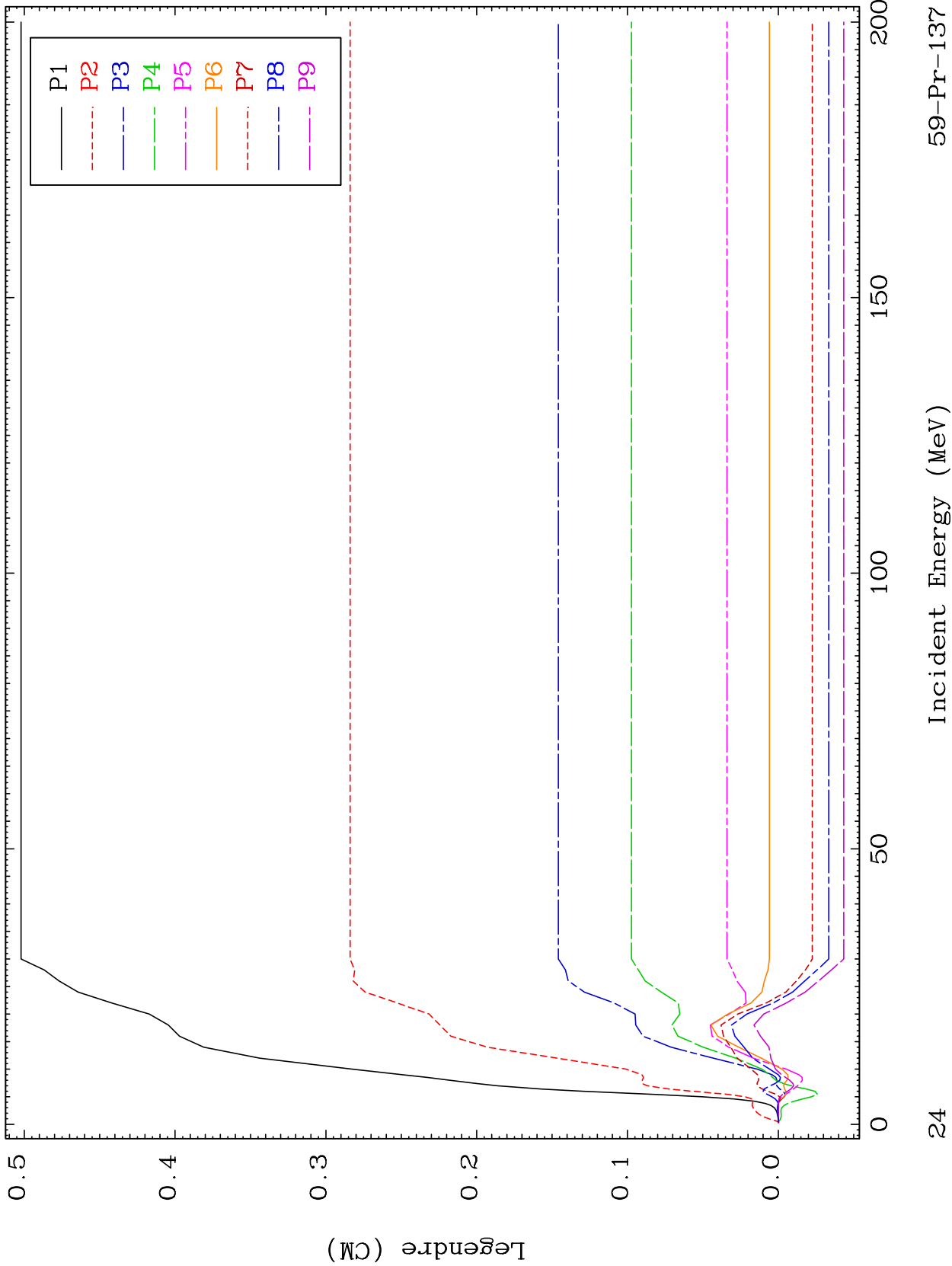
59-Pr-137



MAT 5913

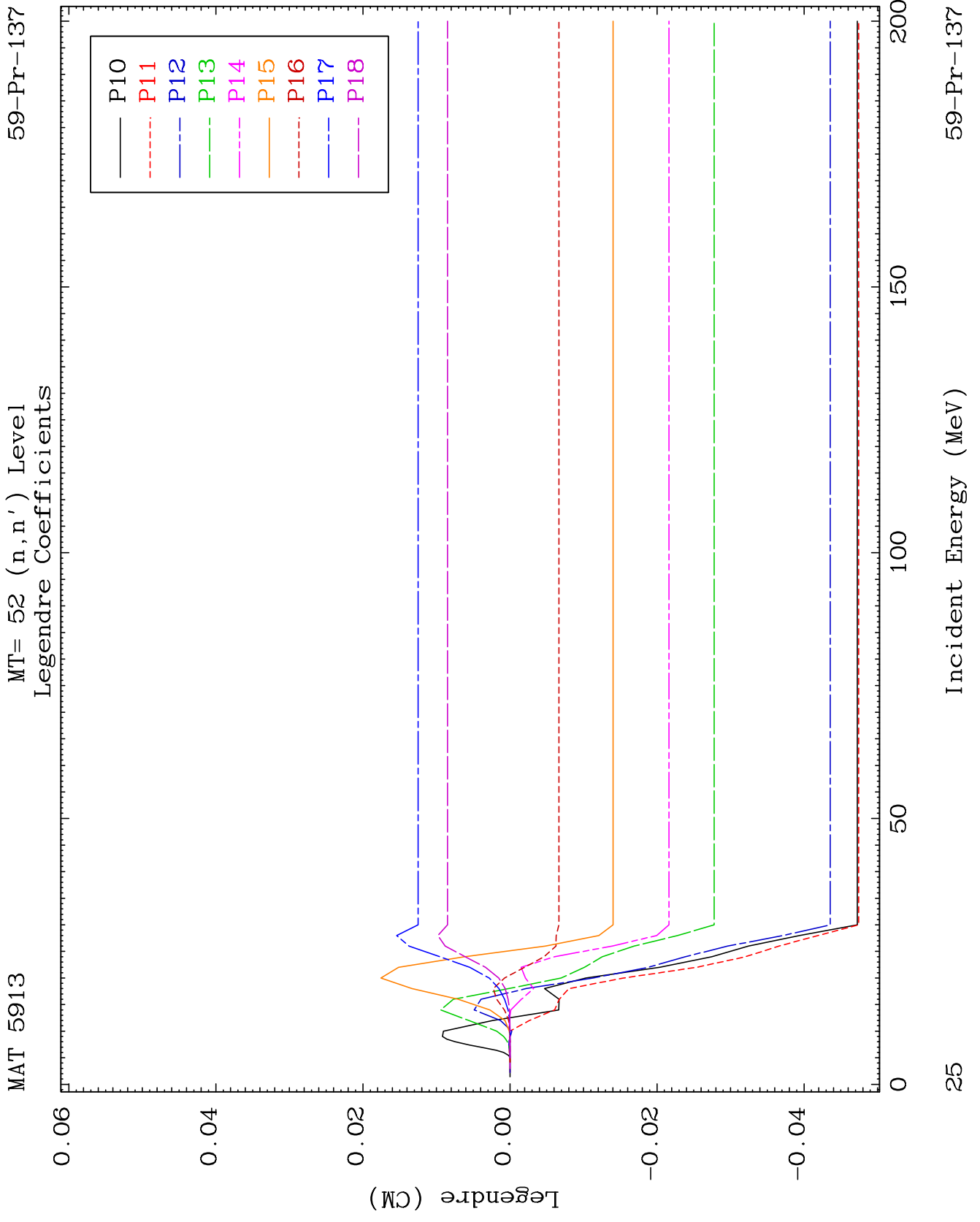
MT= 52 (n,n') Level  
Legendre Coefficients

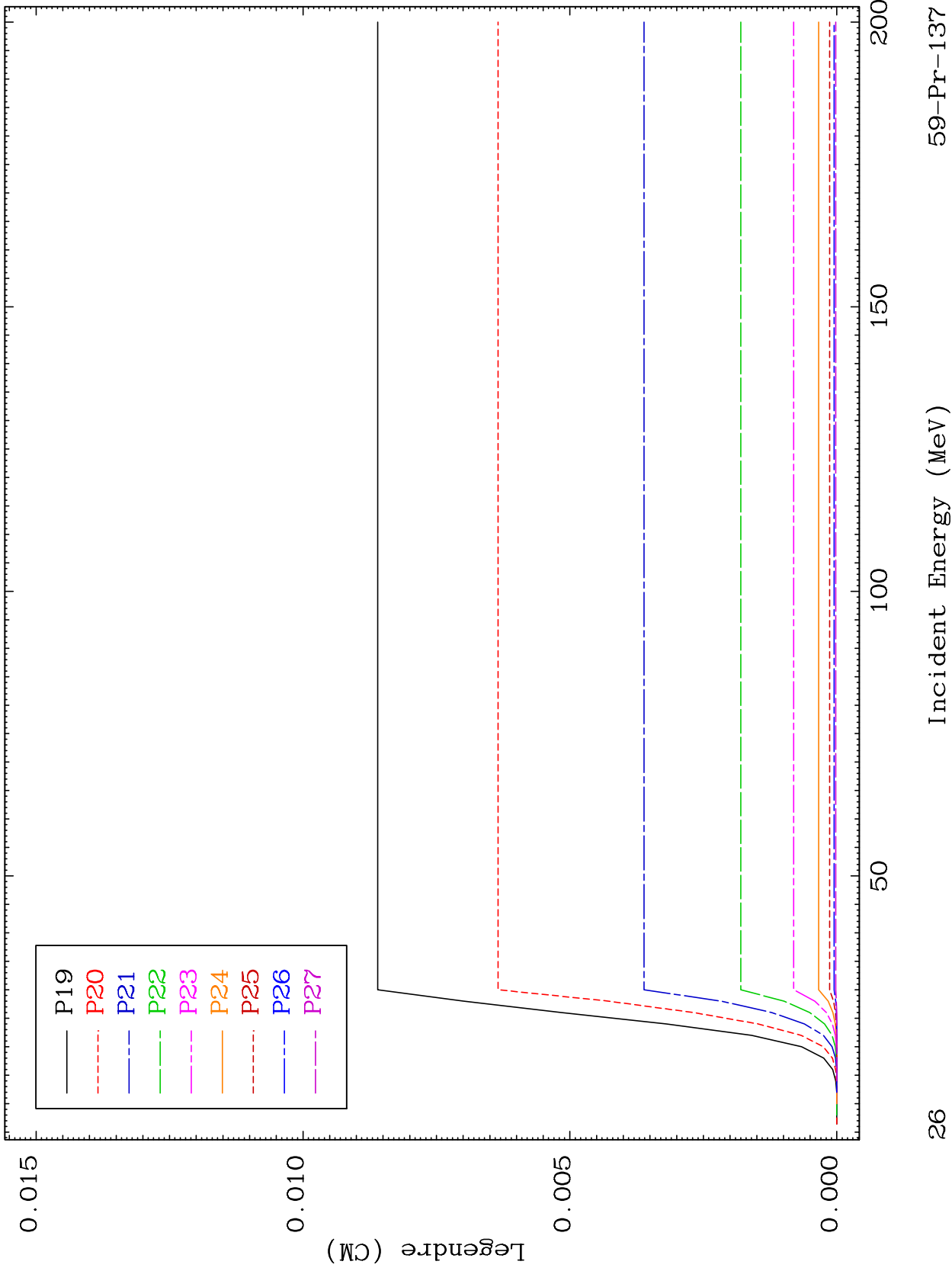
59-Pr-137



24

59-Pr-137

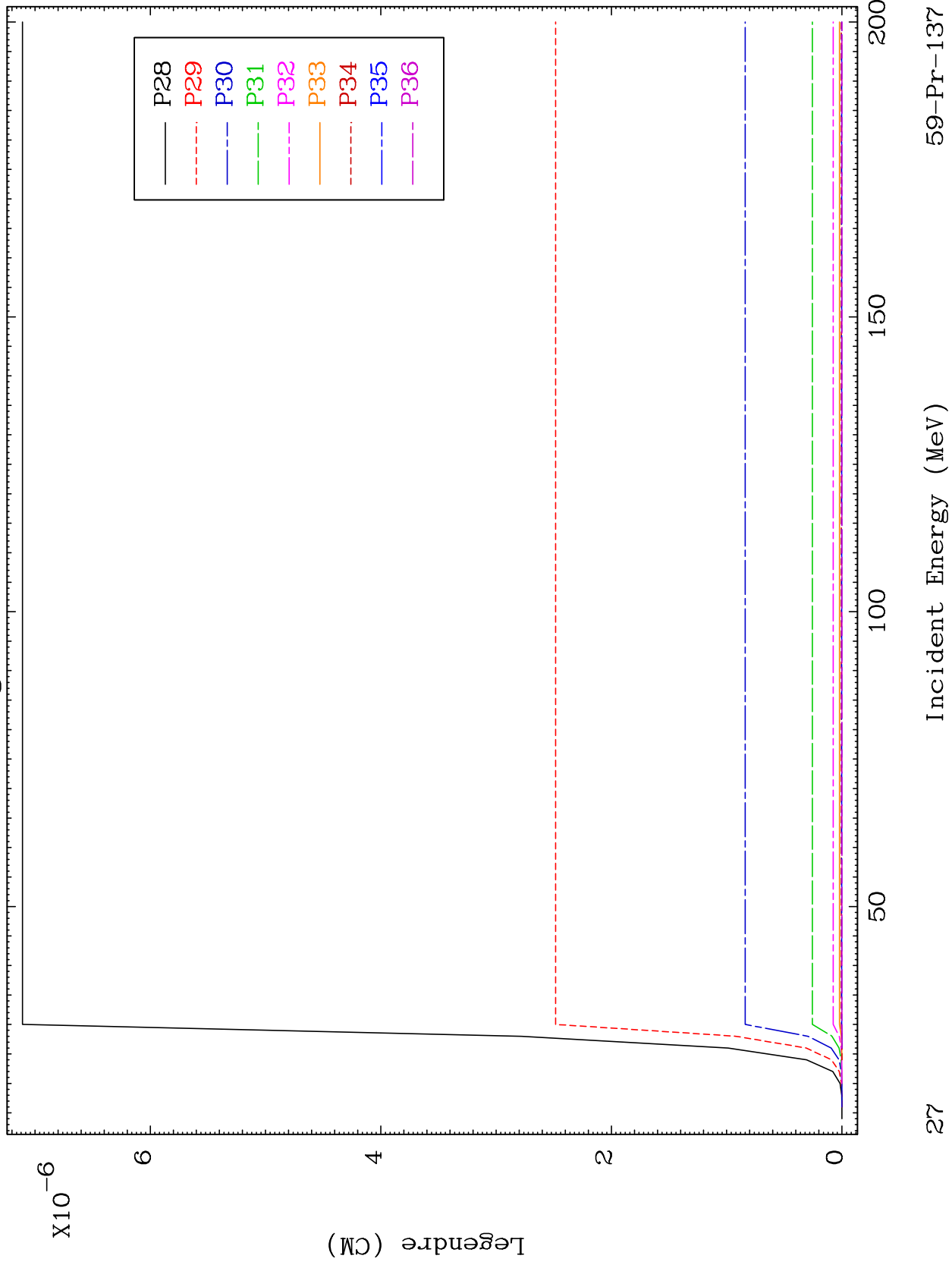




MAT 5913

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

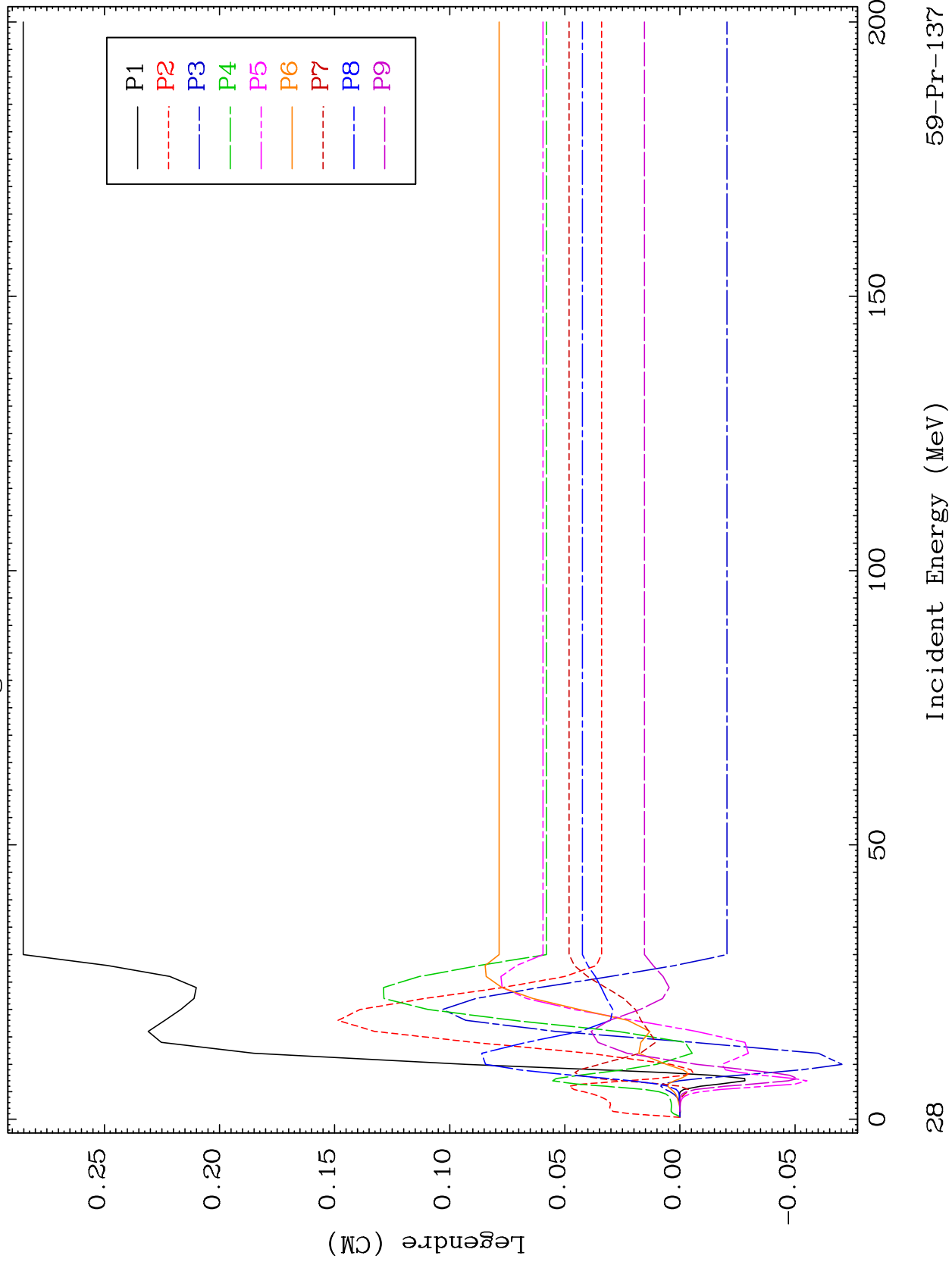
59-Pr-137



MAT 5913

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

59-Pr-137



28

Incident Energy (MeV)

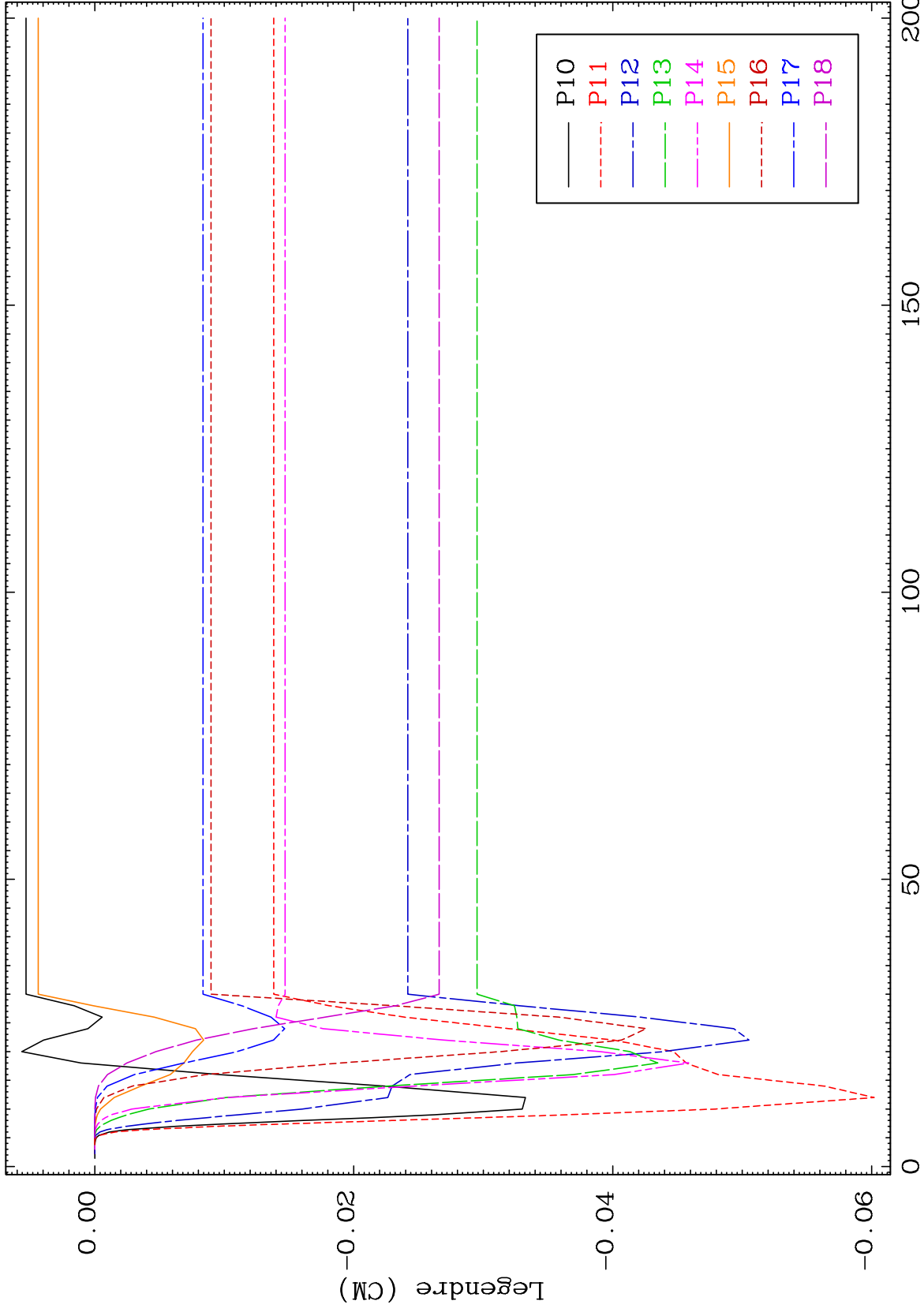
59-Pr-137

MAT 5913

MT= 53 (n,n') Level

59-Pr-137

Legendre Coefficients



29

Incident Energy (MeV)

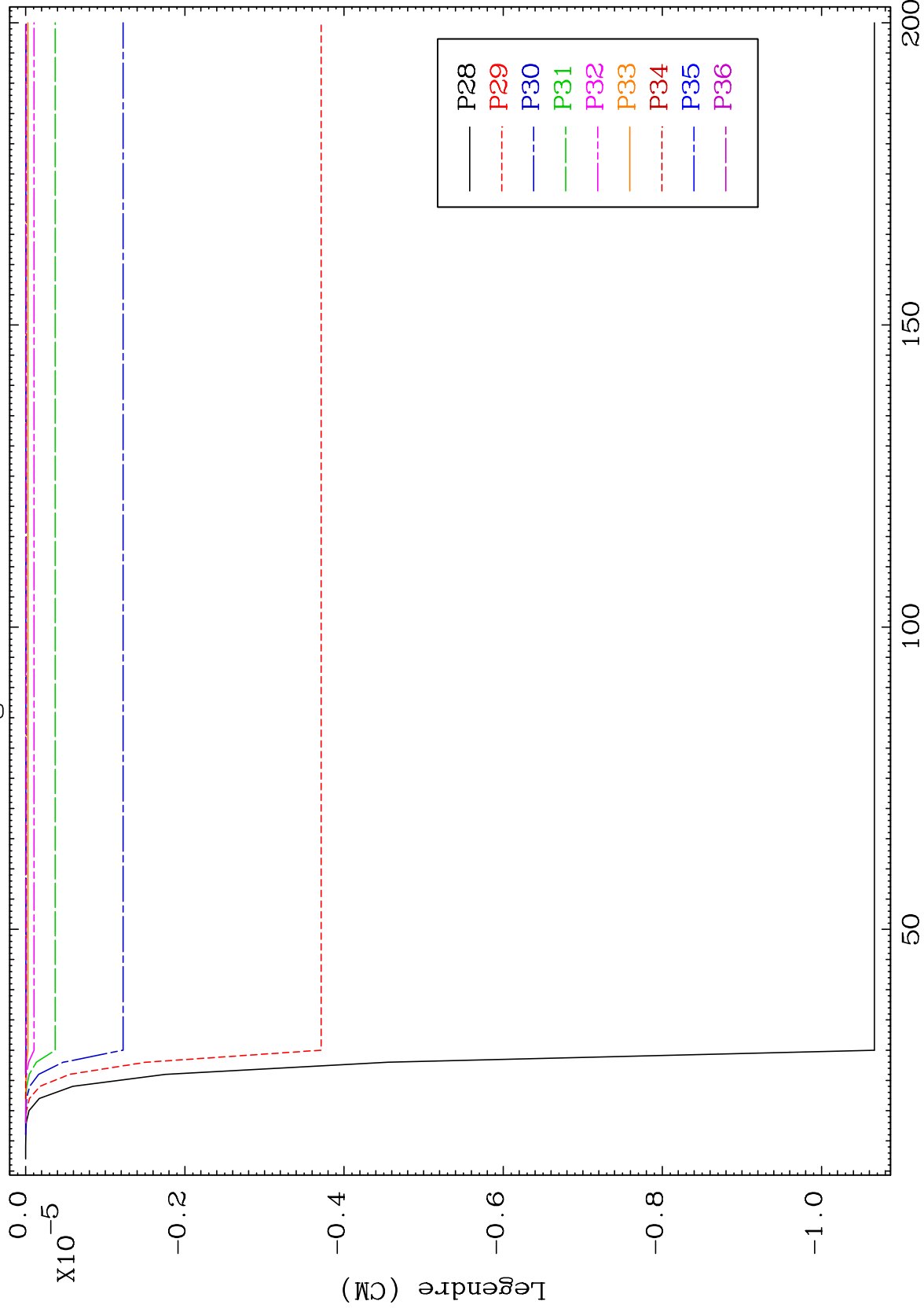
59-Pr-137



MAT 5913

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

59-Pr-137

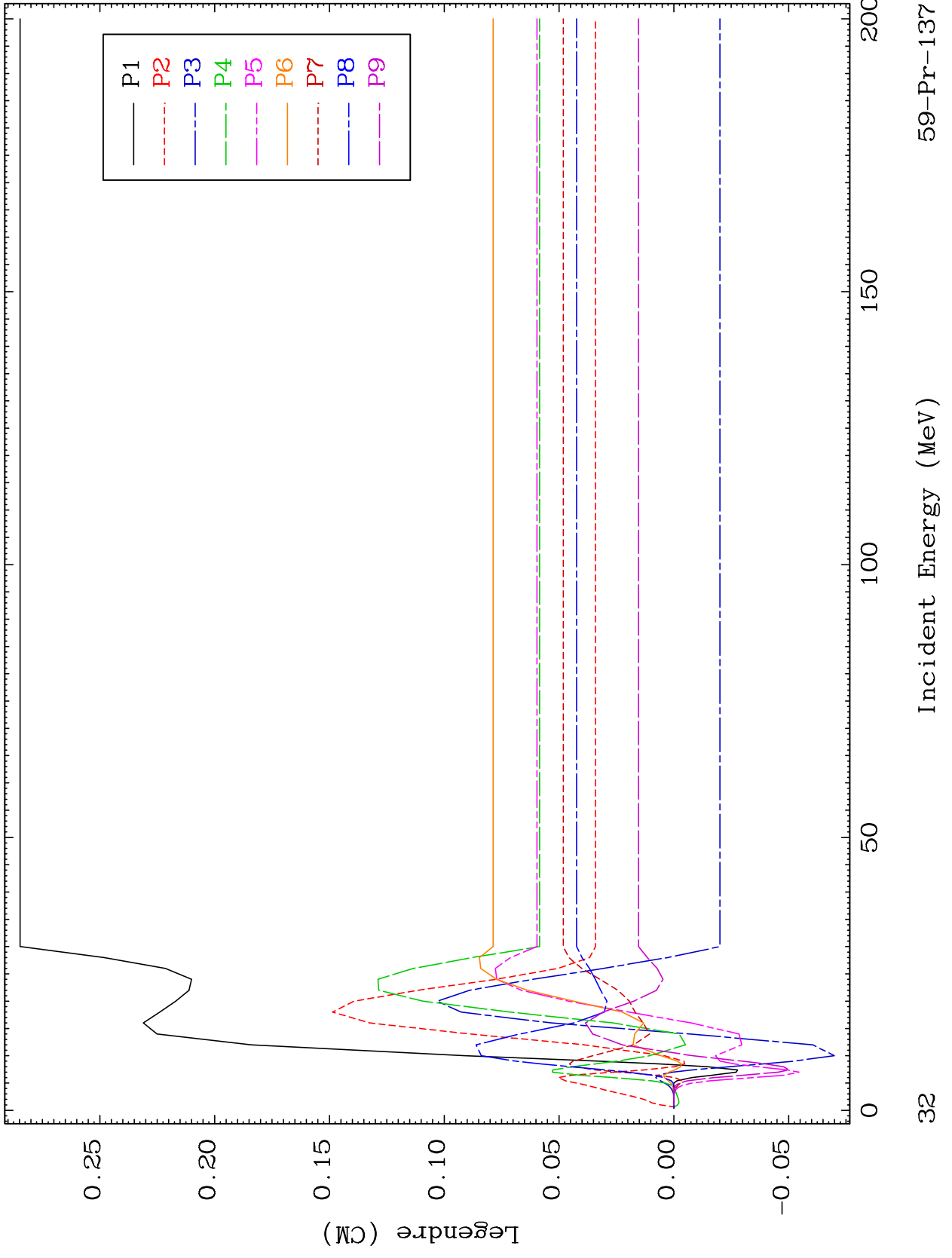




MAT 5913

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

59-Pr-137



32

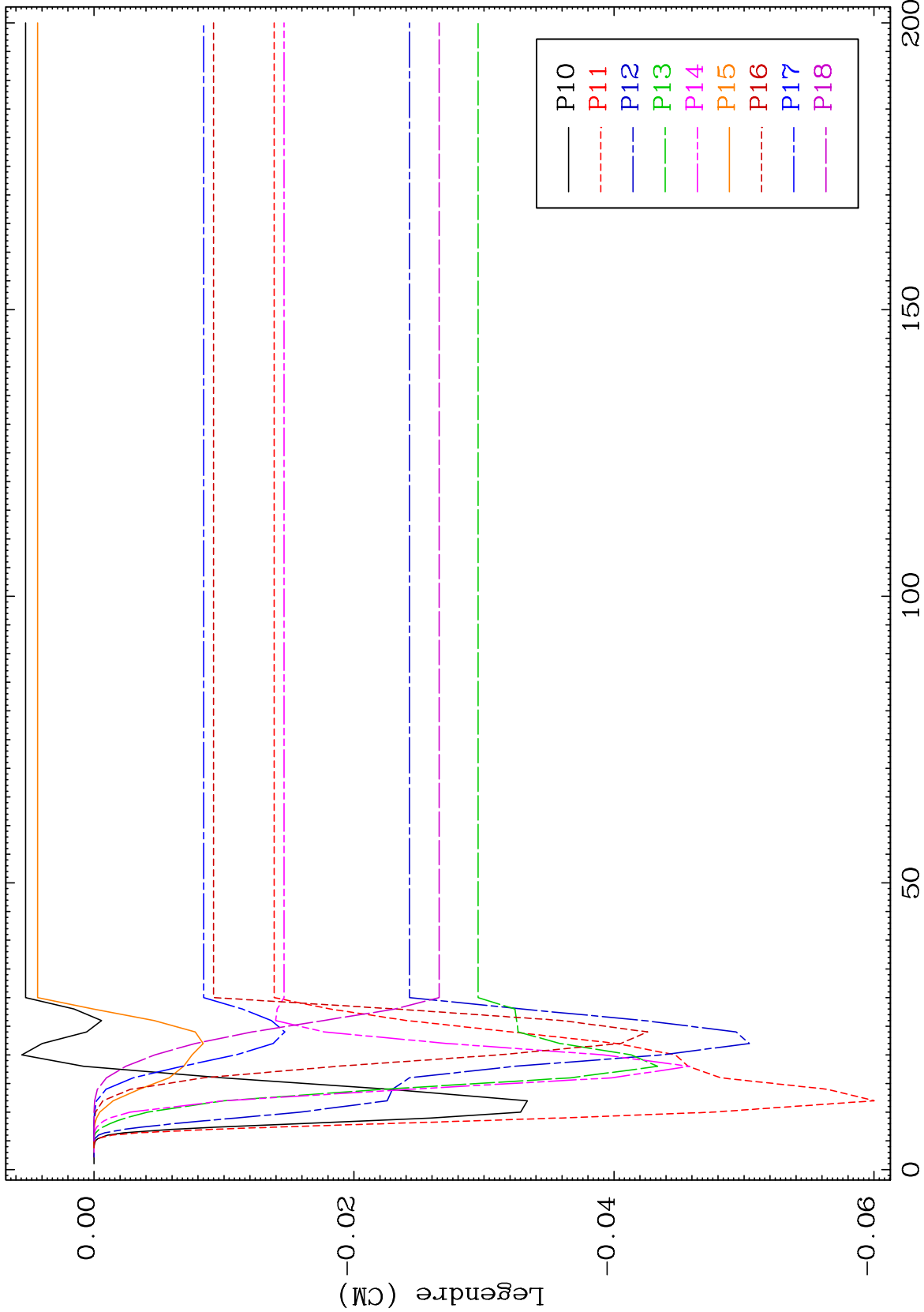
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



33

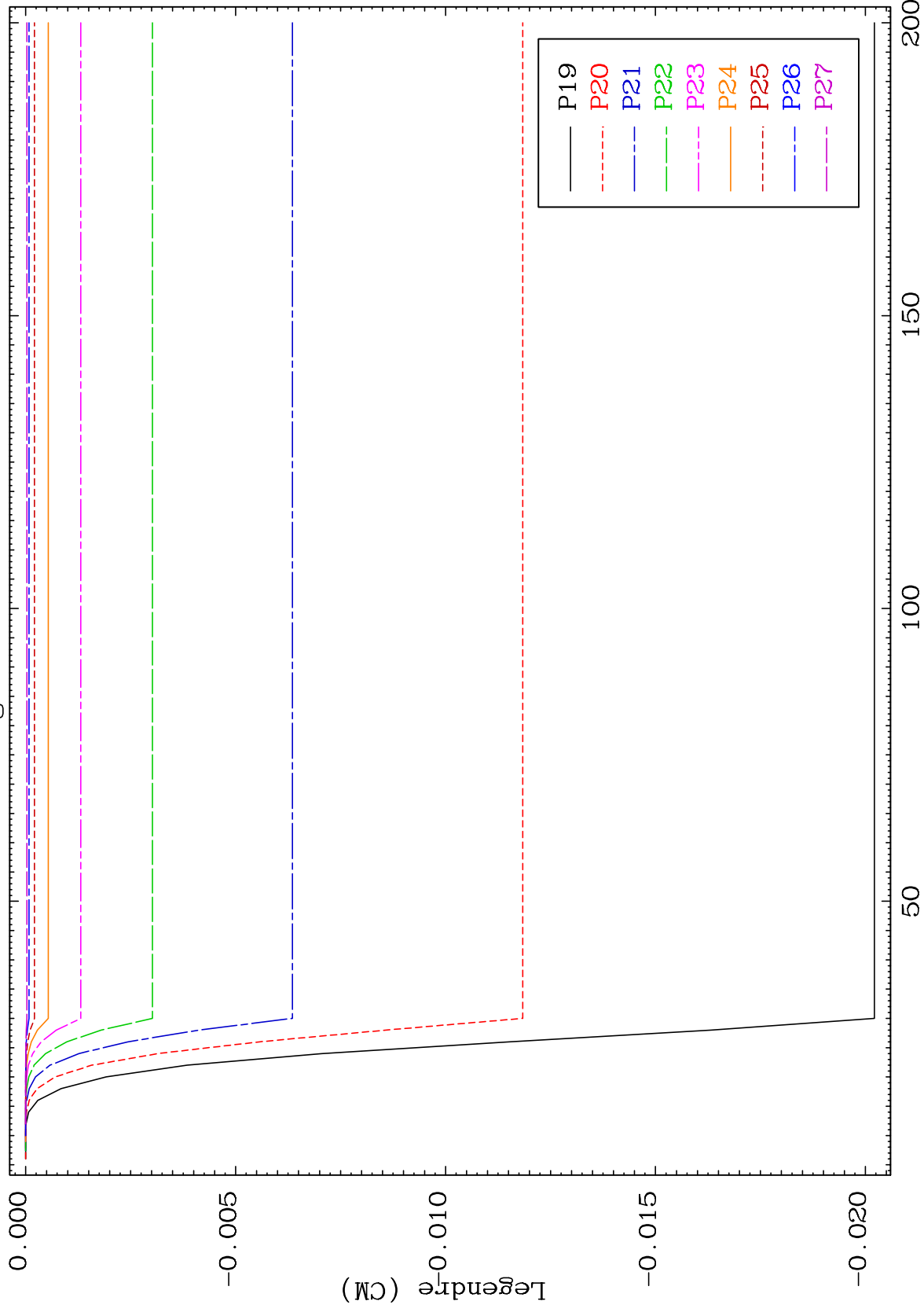
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



34

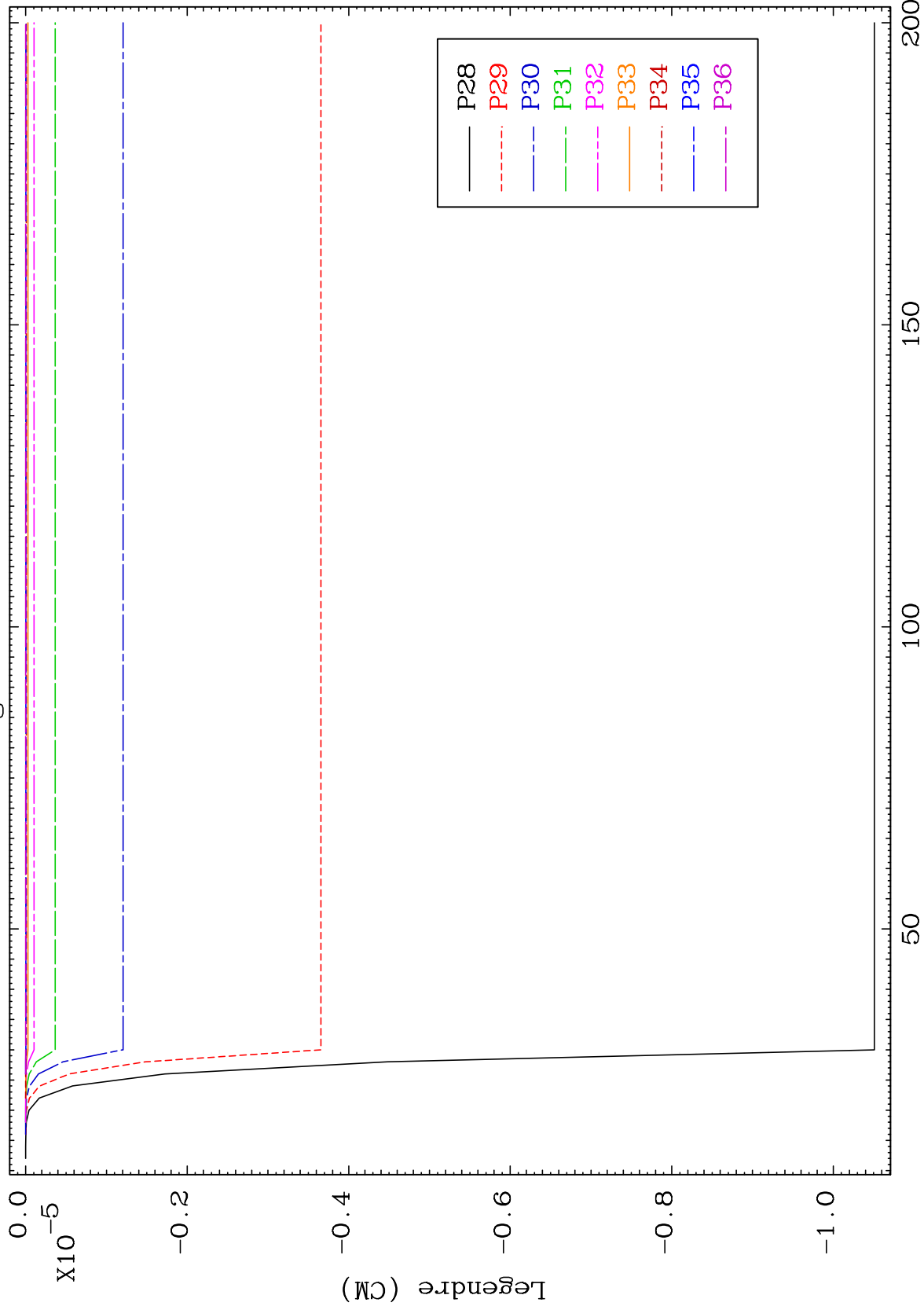
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

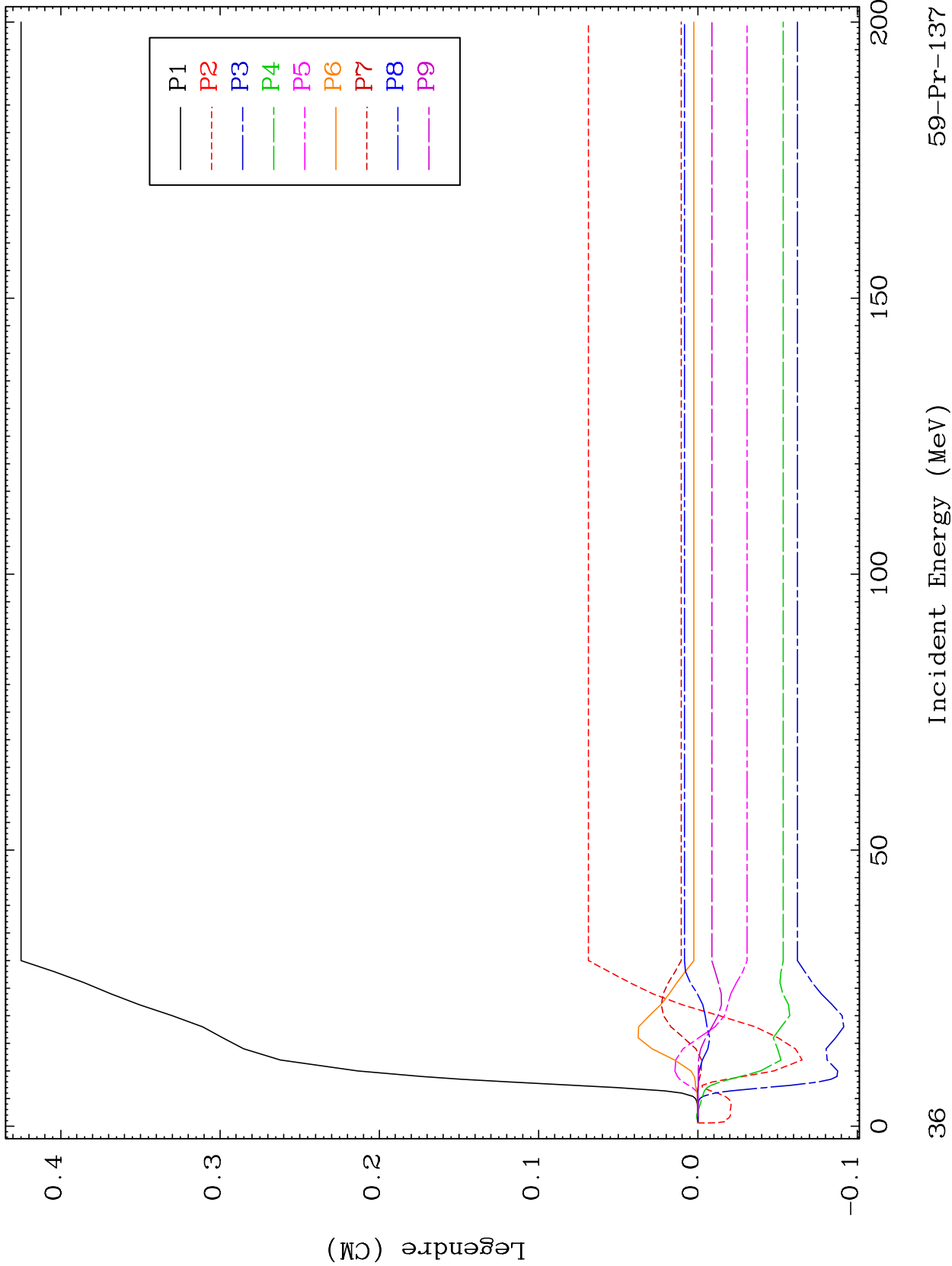
59-Pr-137



35

Incident Energy (MeV)

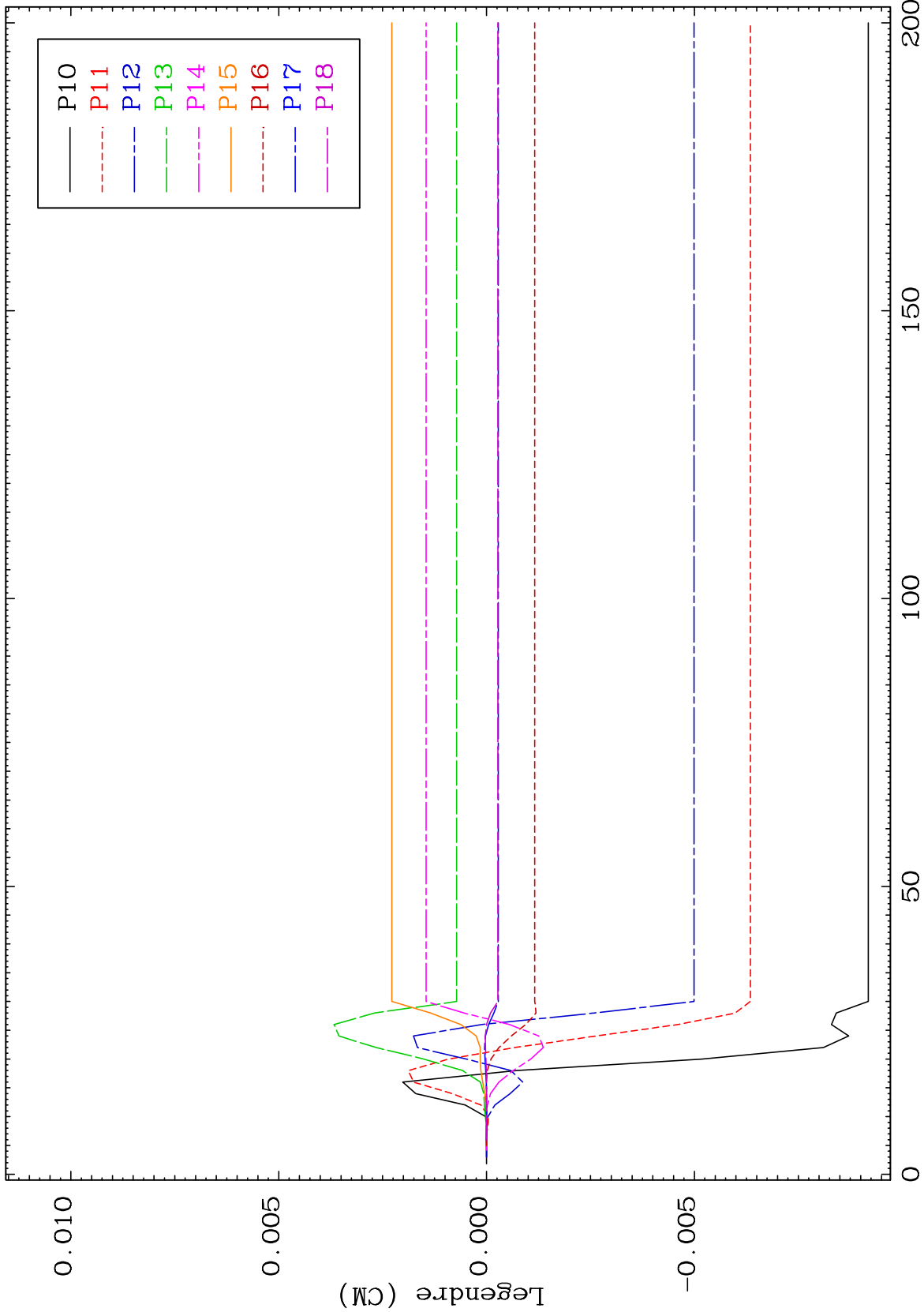
59-Pr-137



MAT 5913

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

59-Pr-137



37

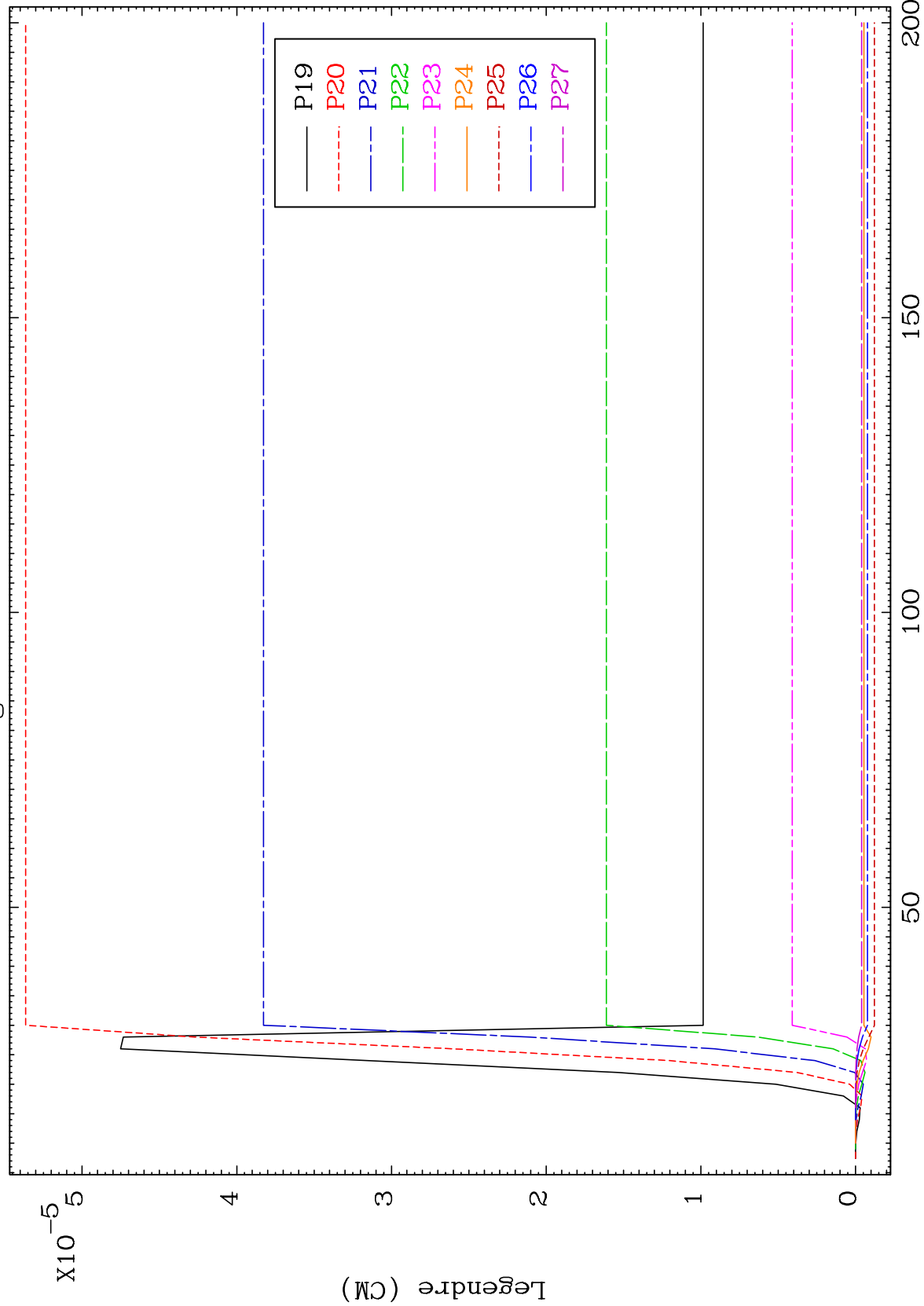
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



38

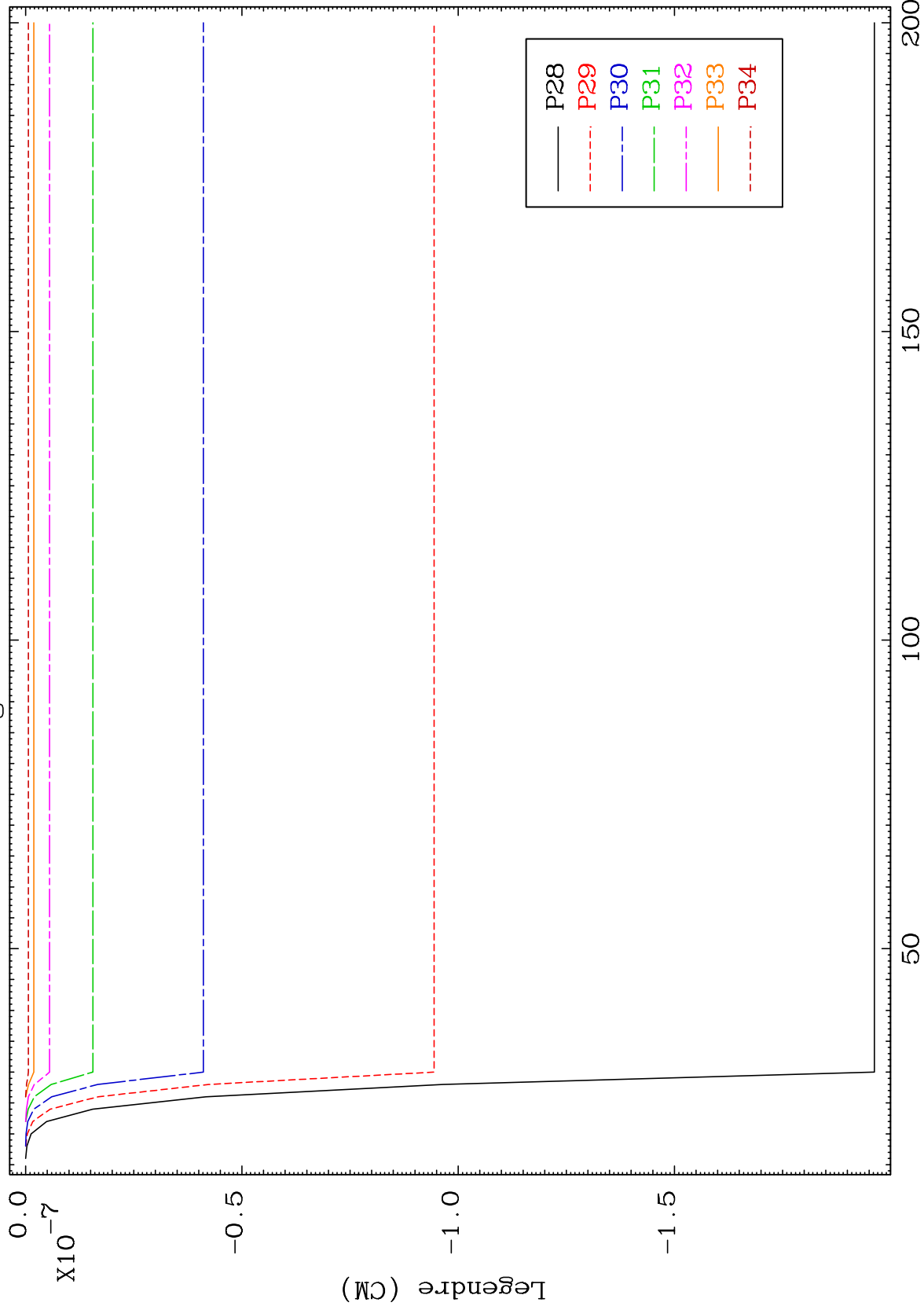
59-Pr-137

MAT 5913

MT= 55 (n,n') Level

59-Pr-137

Legendre Coefficients



39

Incident Energy (MeV)

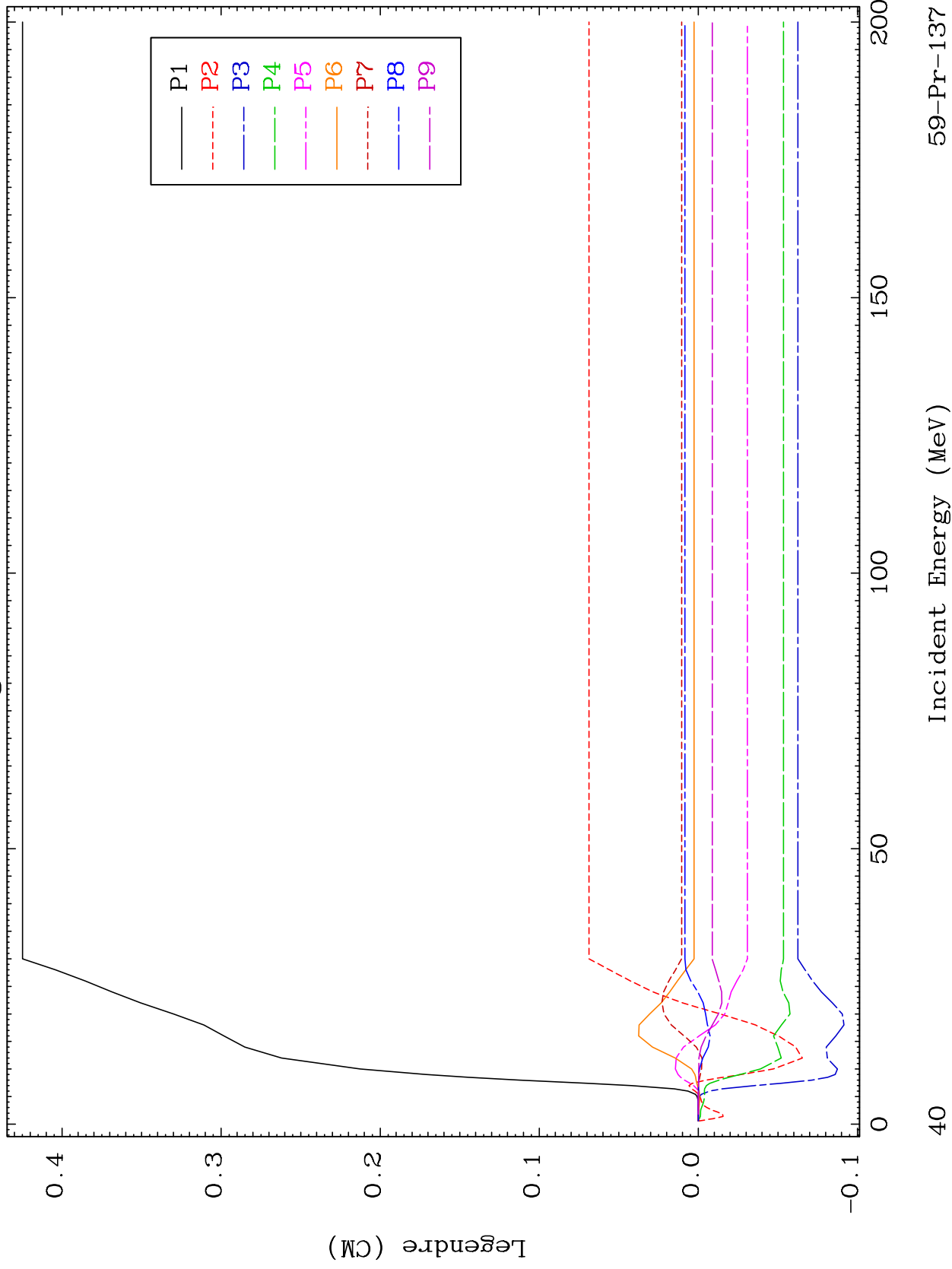
59-Pr-137



MAT 5913

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

59-Pr-137

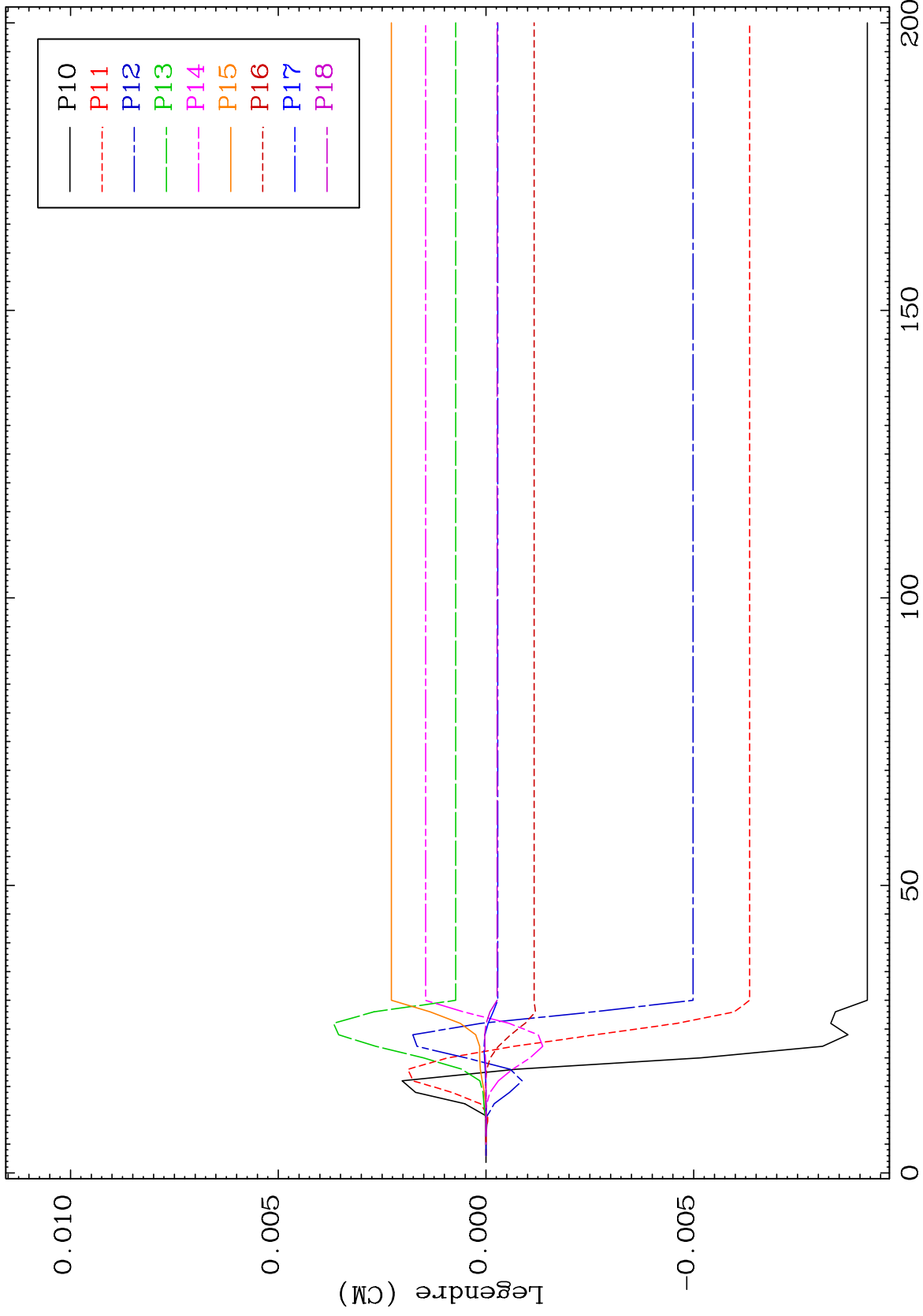


59-Pr-137

MAT 5913

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

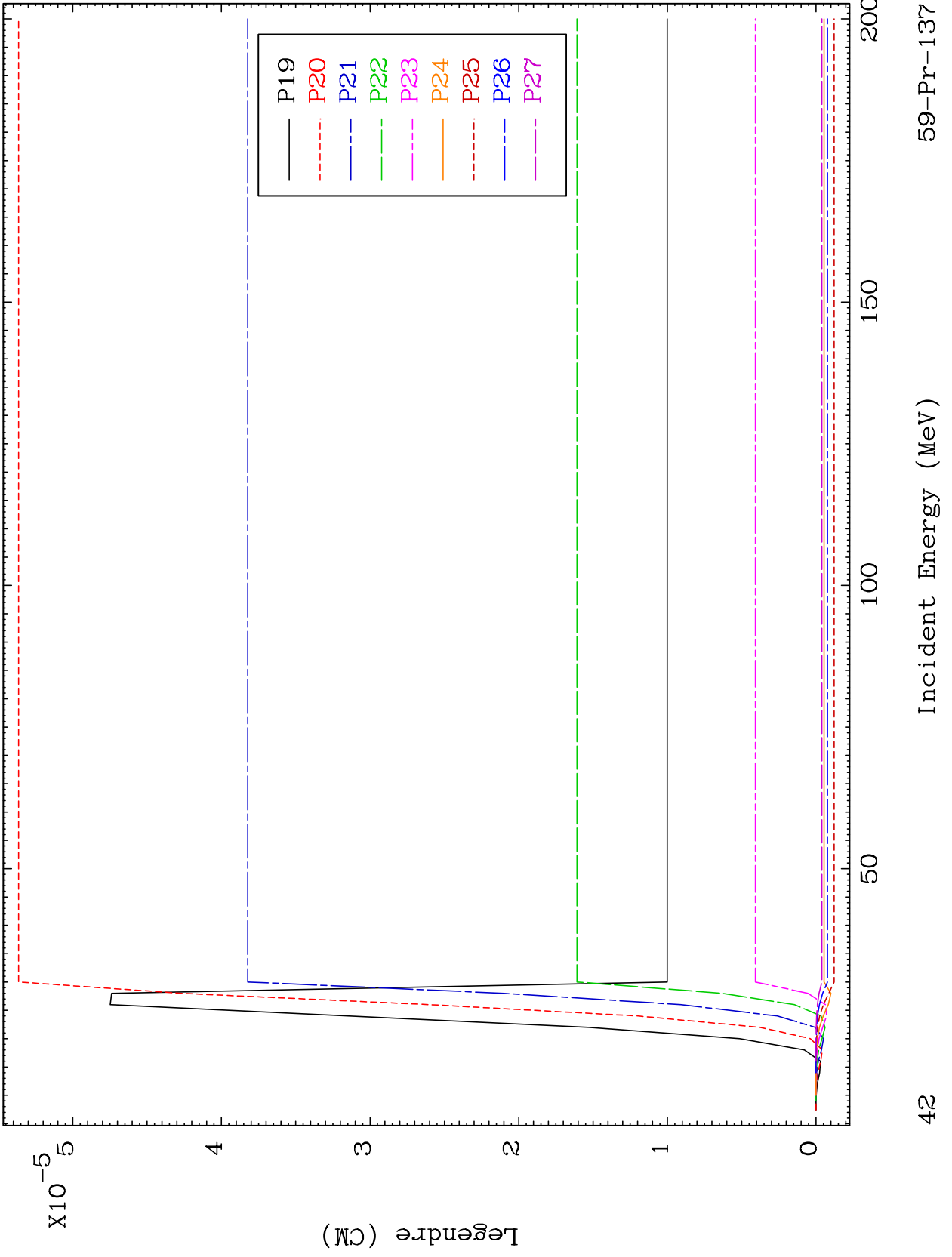
59-Pr-137



MAT 5913

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

59-Pr-137



42

Incident Energy (MeV)

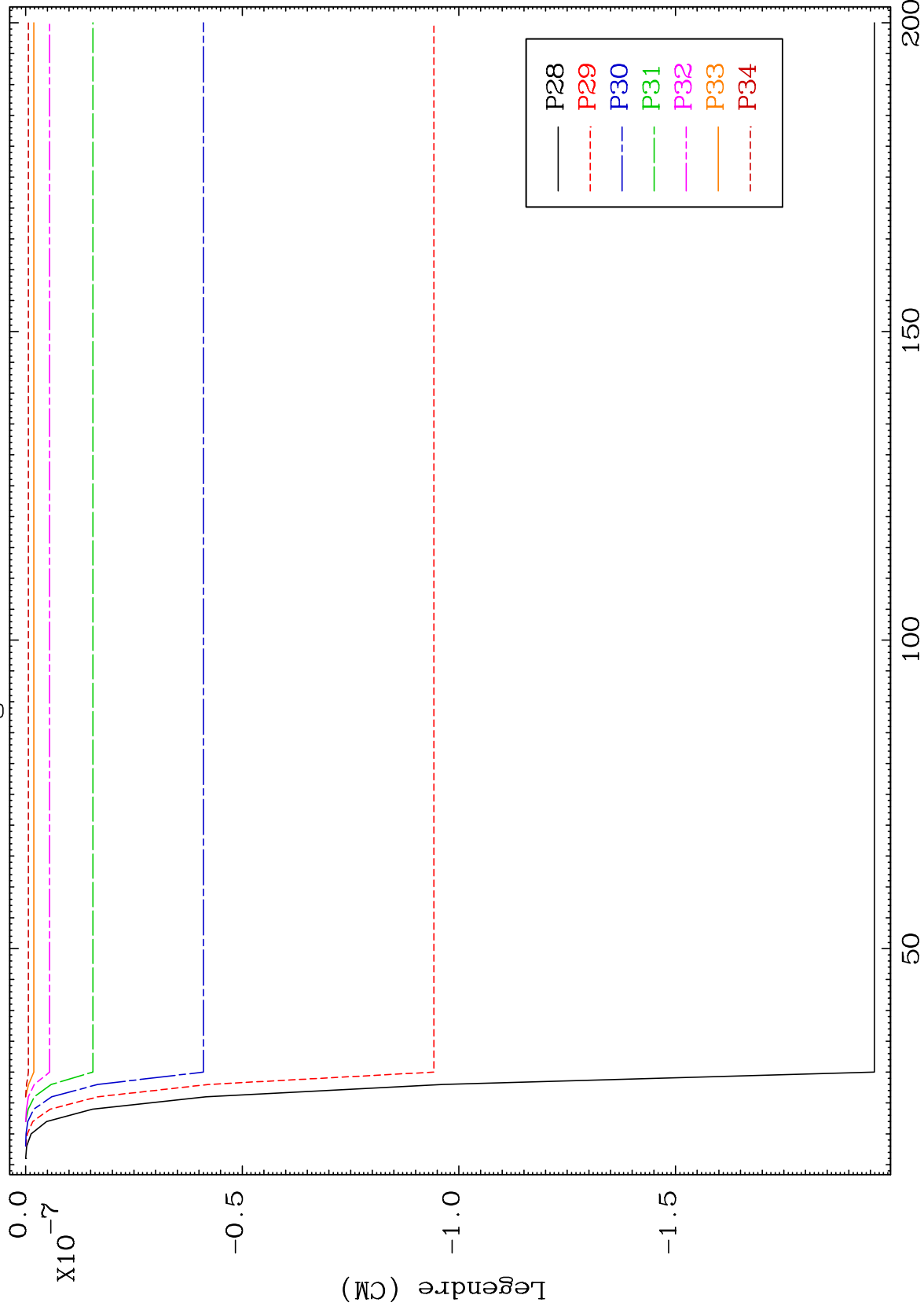
59-Pr-137

MAT 5913

MT= 56 (n,n') Level

59-Pr-137

Legendre Coefficients



43

Incident Energy (MeV)

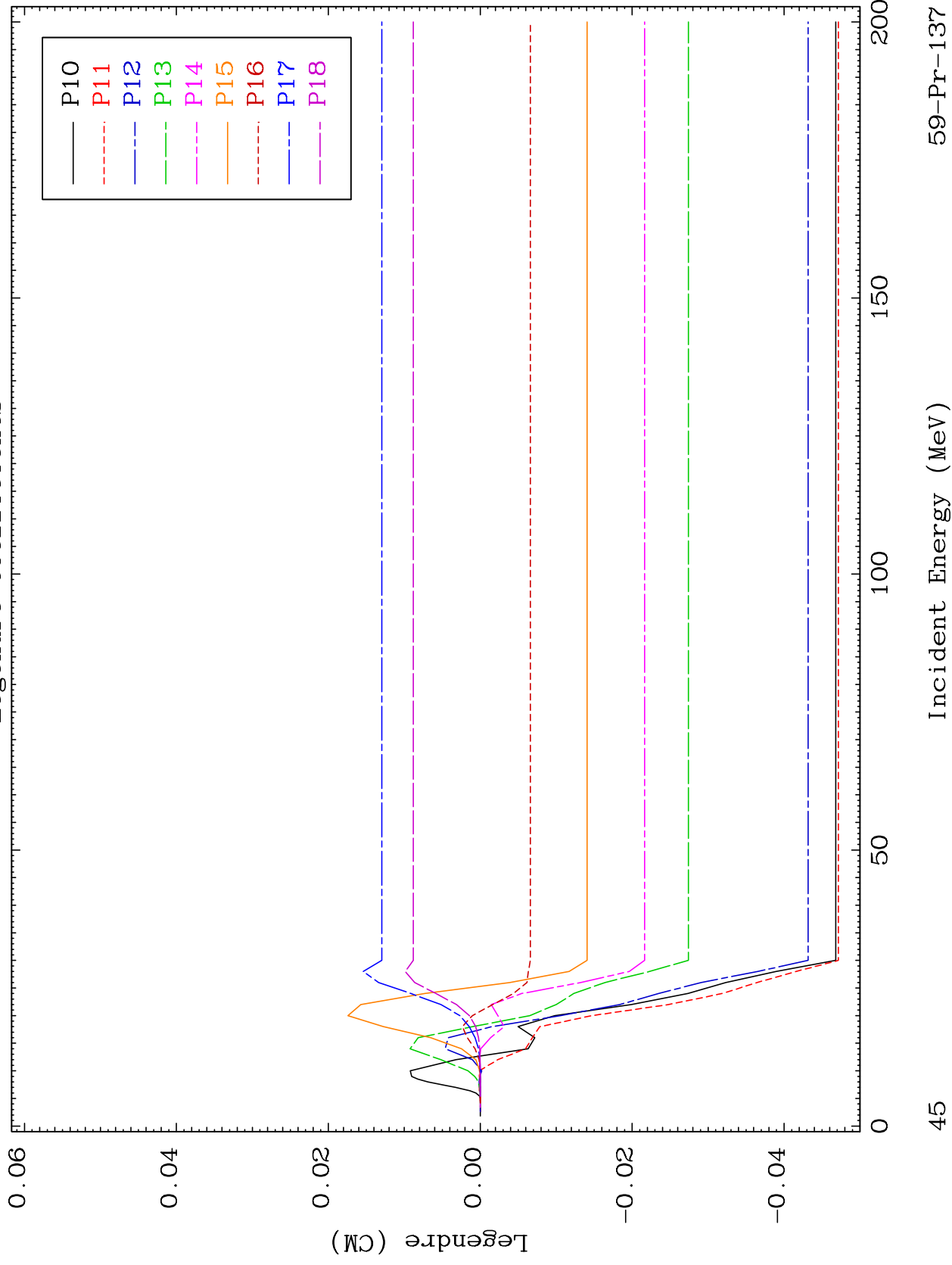
59-Pr-137



MAT 5913

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

59-Pr-137



59-Pr-137

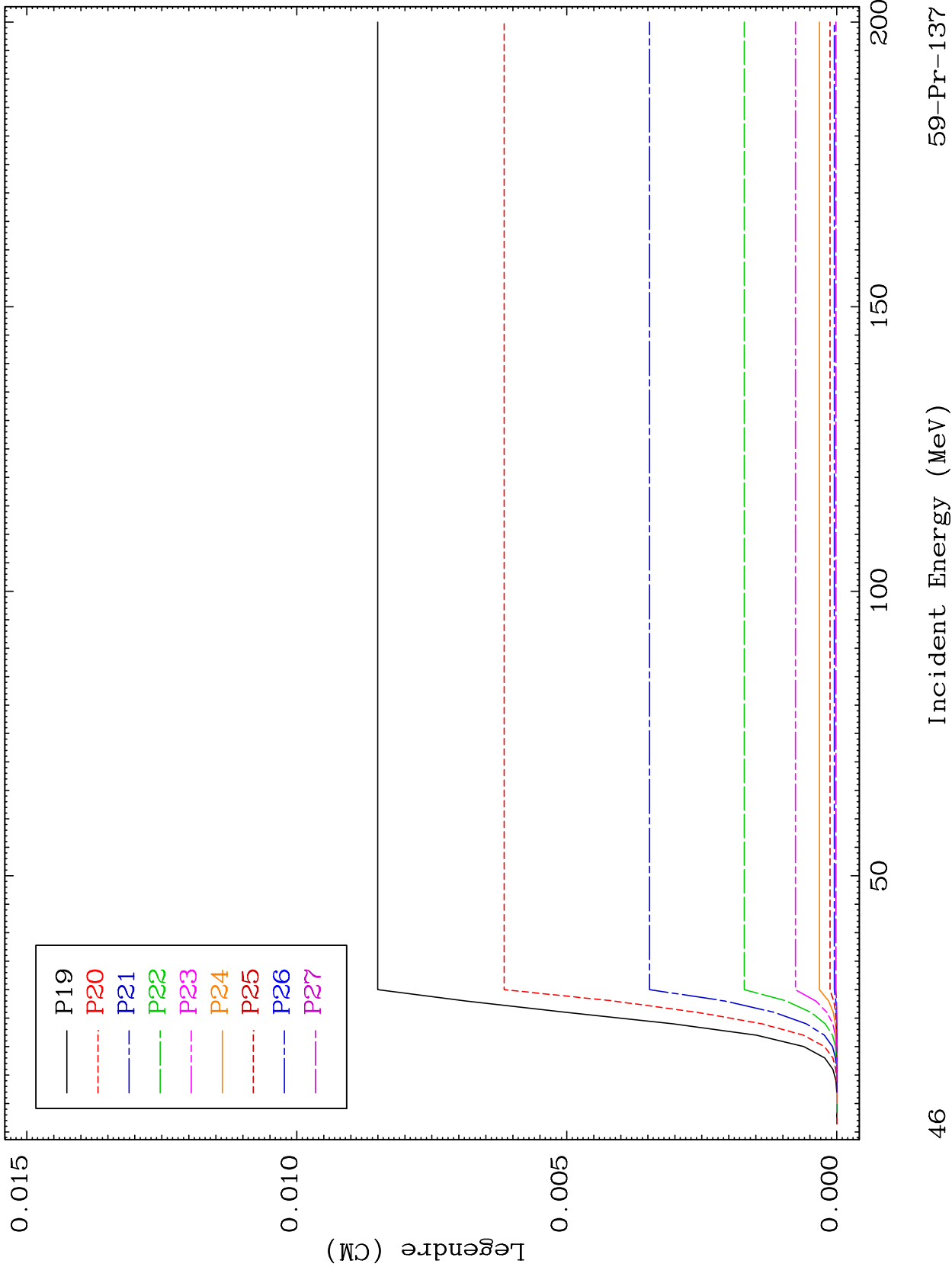
Incident Energy (MeV)

45

MAT 5913

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

59-Pr-137



46

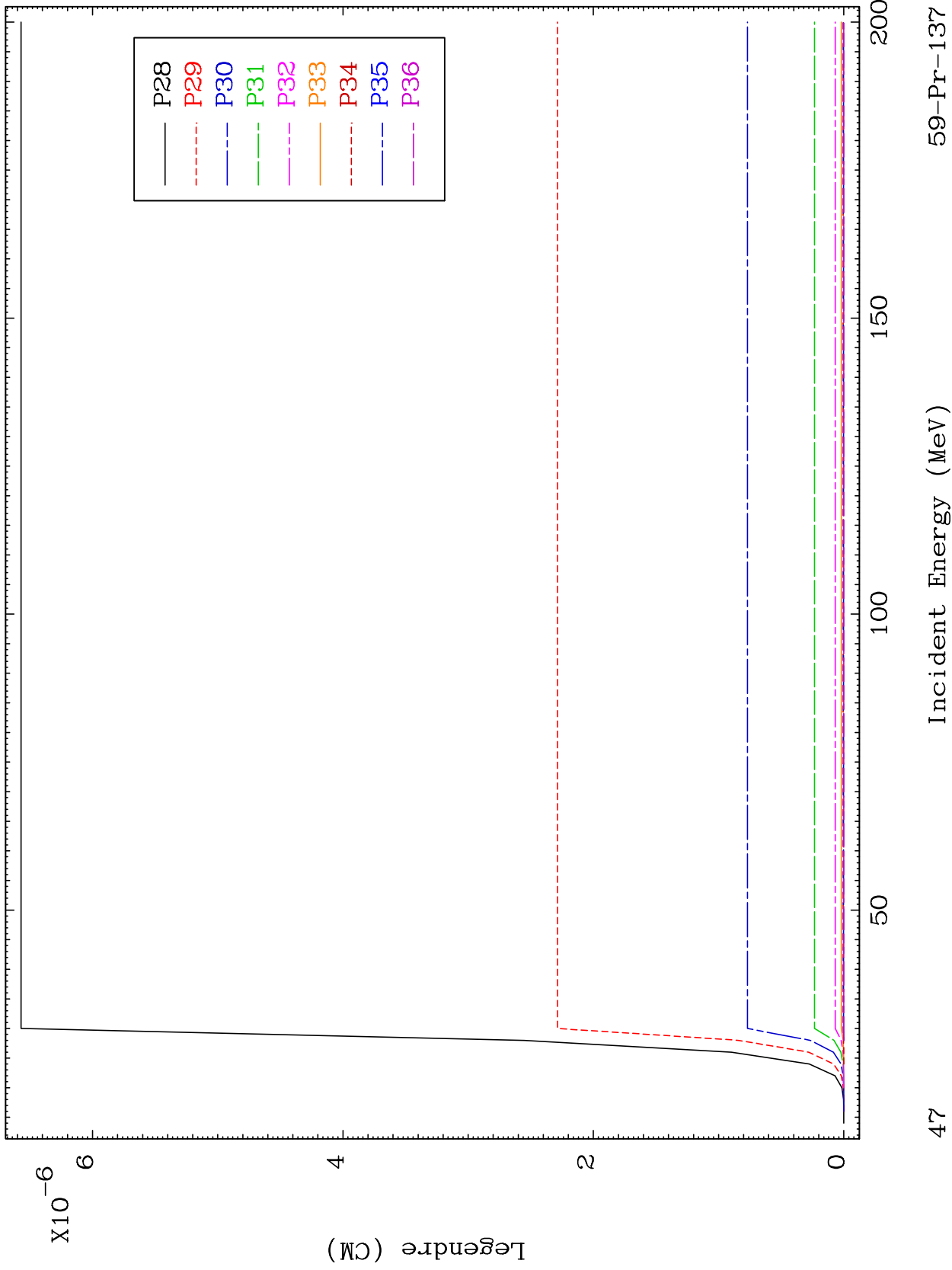
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137

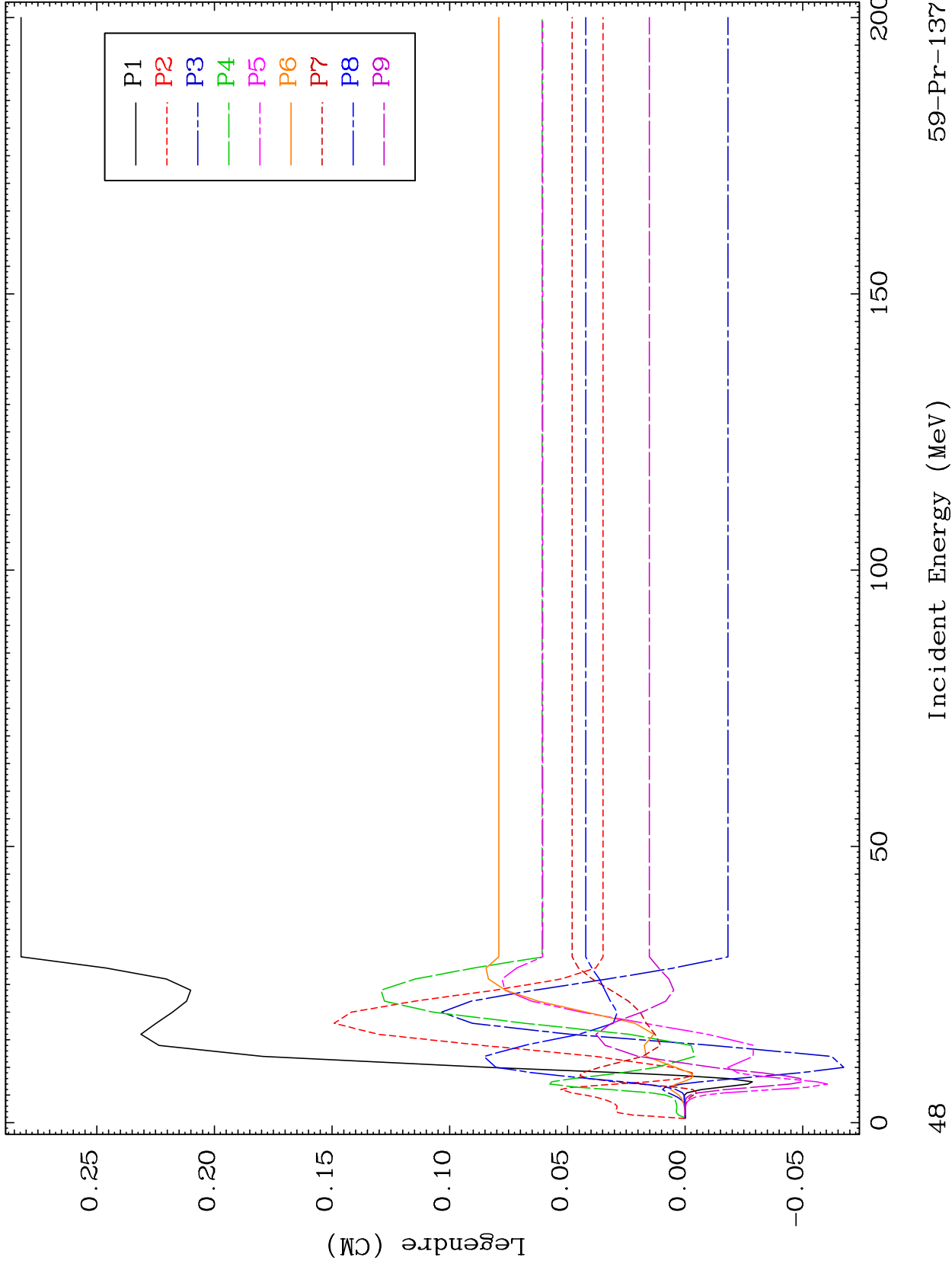




MAT 5913

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

59-Pr-137



59-Pr-137

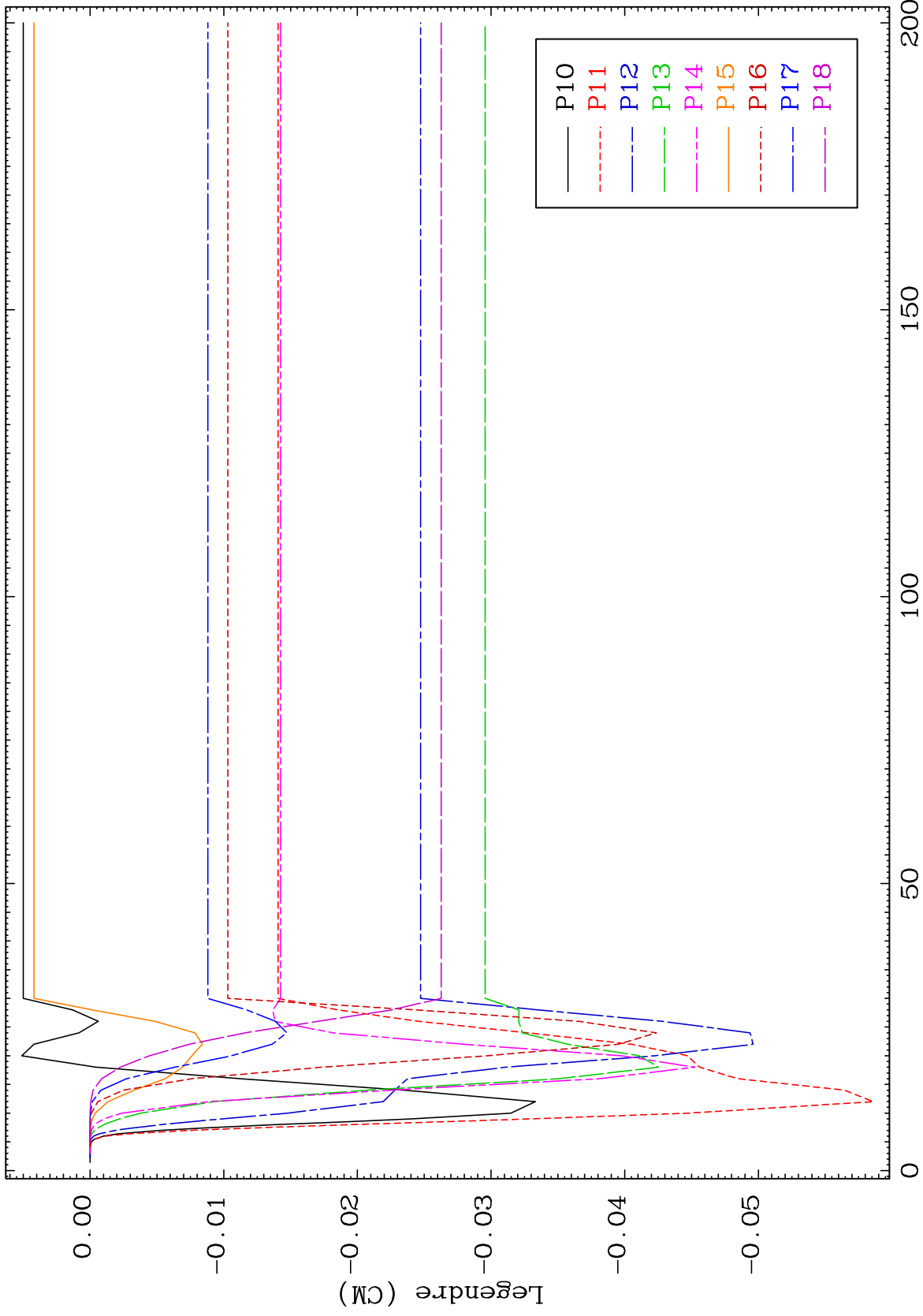
Incident Energy (MeV)

48

MAT 5913

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

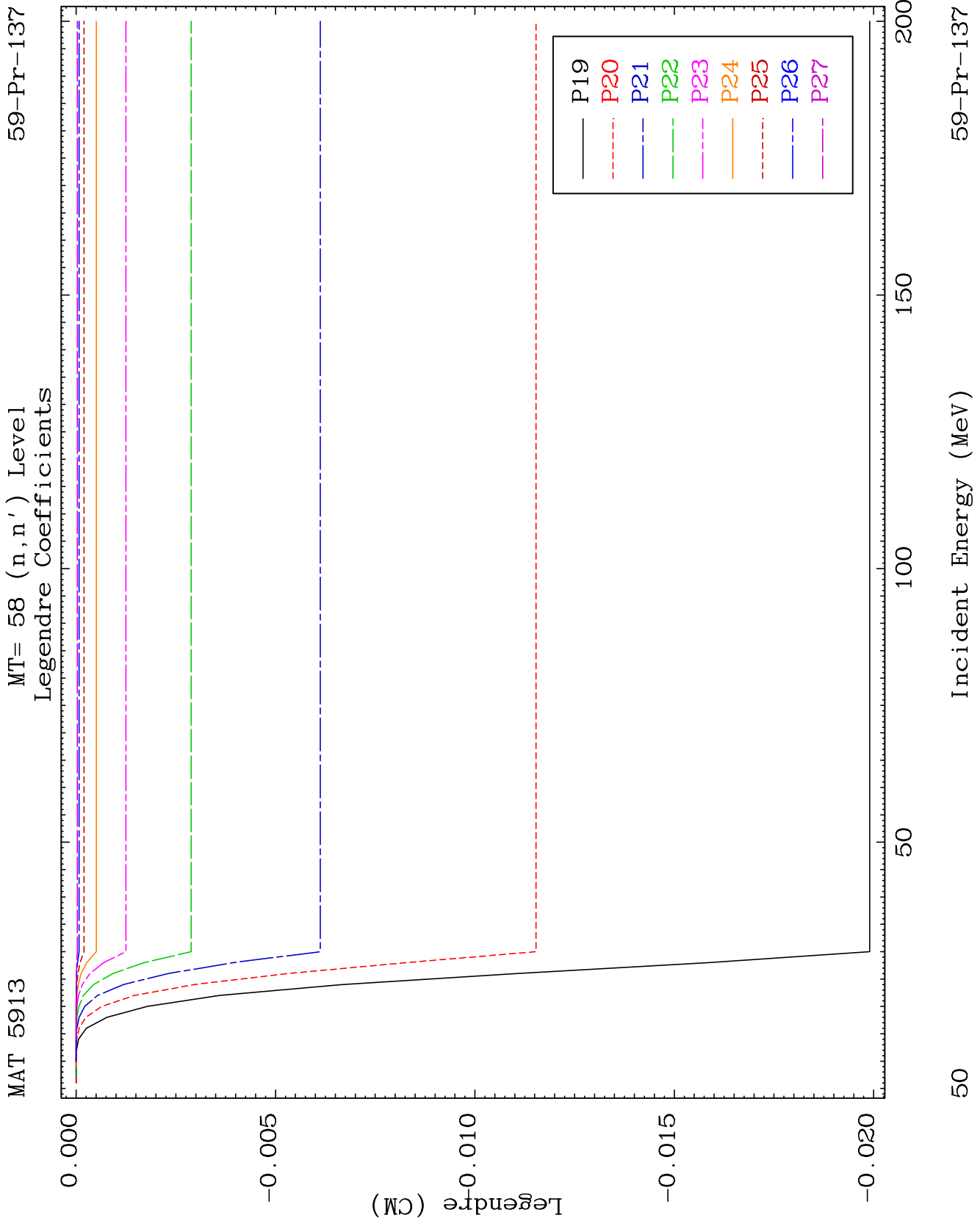
59-Pr-137



49

Incident Energy (MeV)

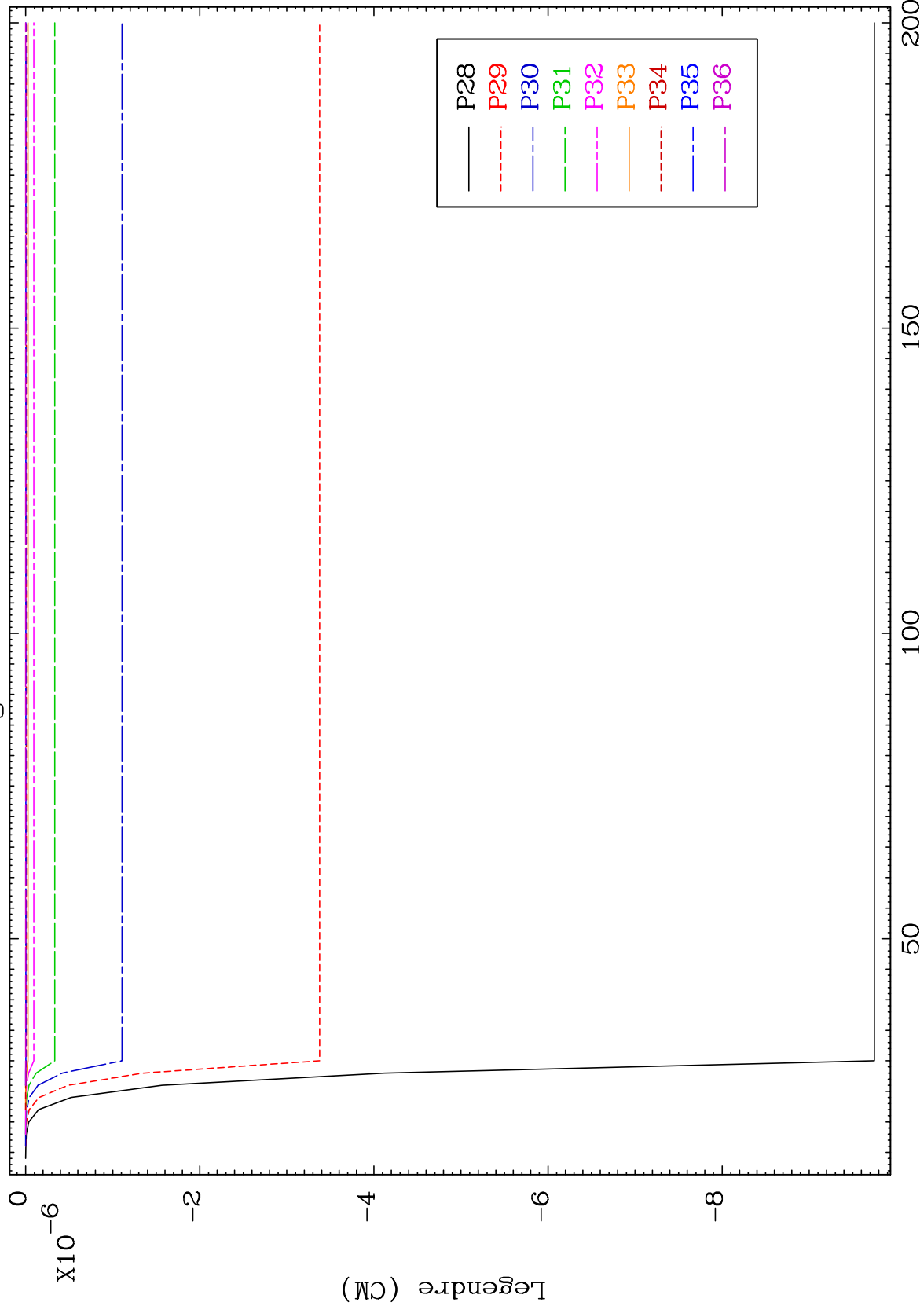
59-Pr-137



MAT 5913

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

59-Pr-137



51

Incident Energy (MeV)

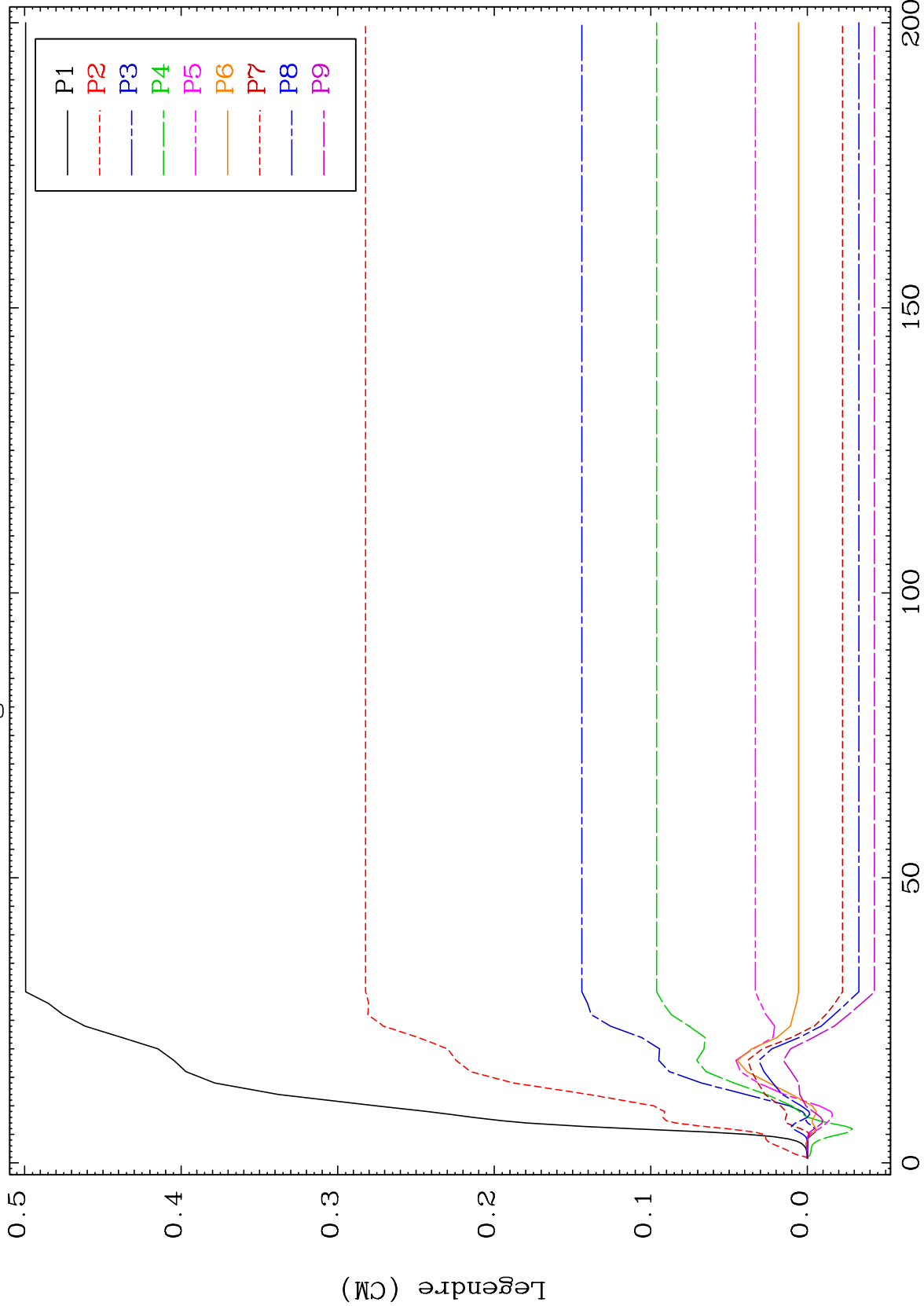
59-Pr-137

MAT 5913

MT= 59 (n,n') Level

59-Pr-137

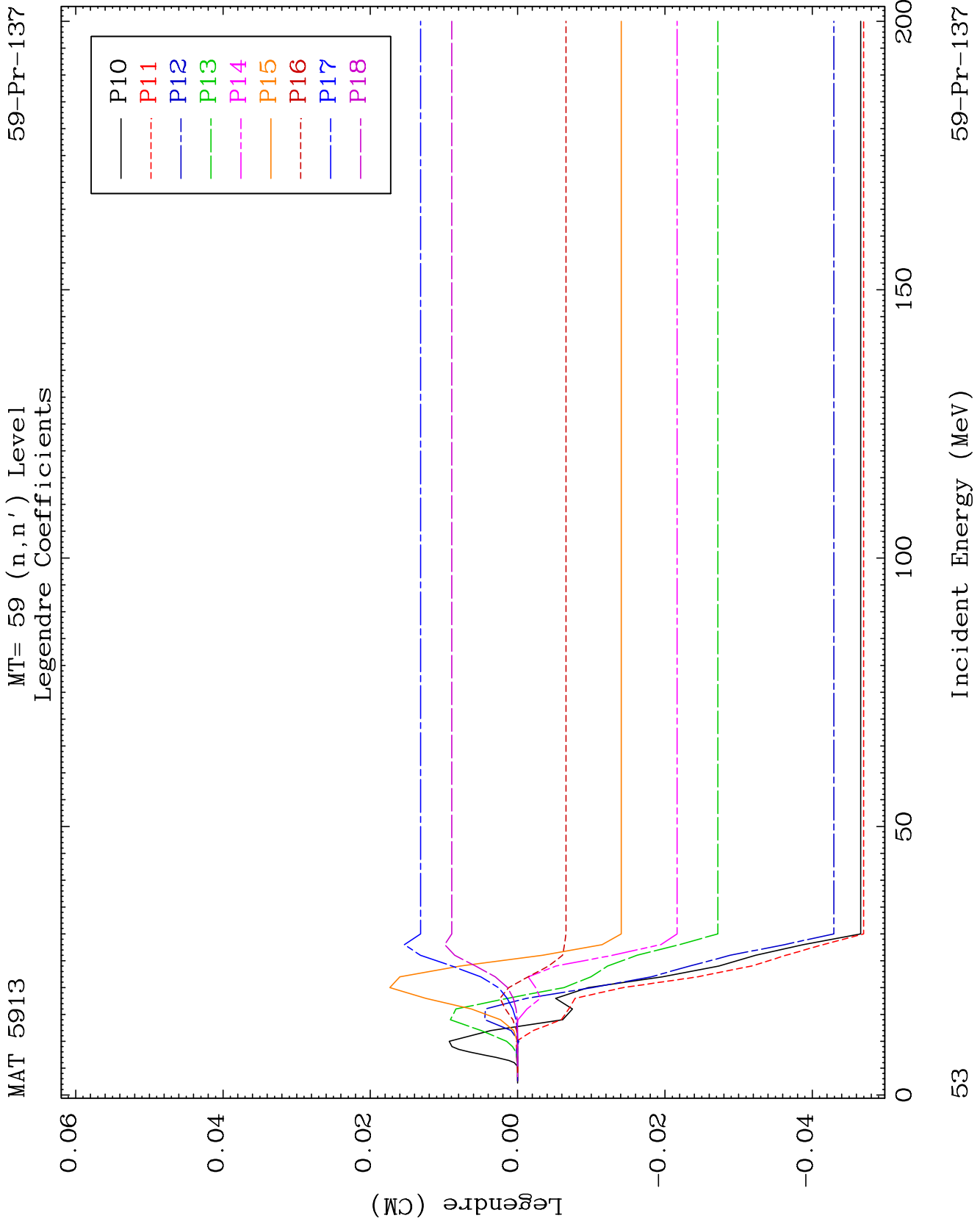
Legendre Coefficients



59-Pr-137

Incident Energy (MeV)

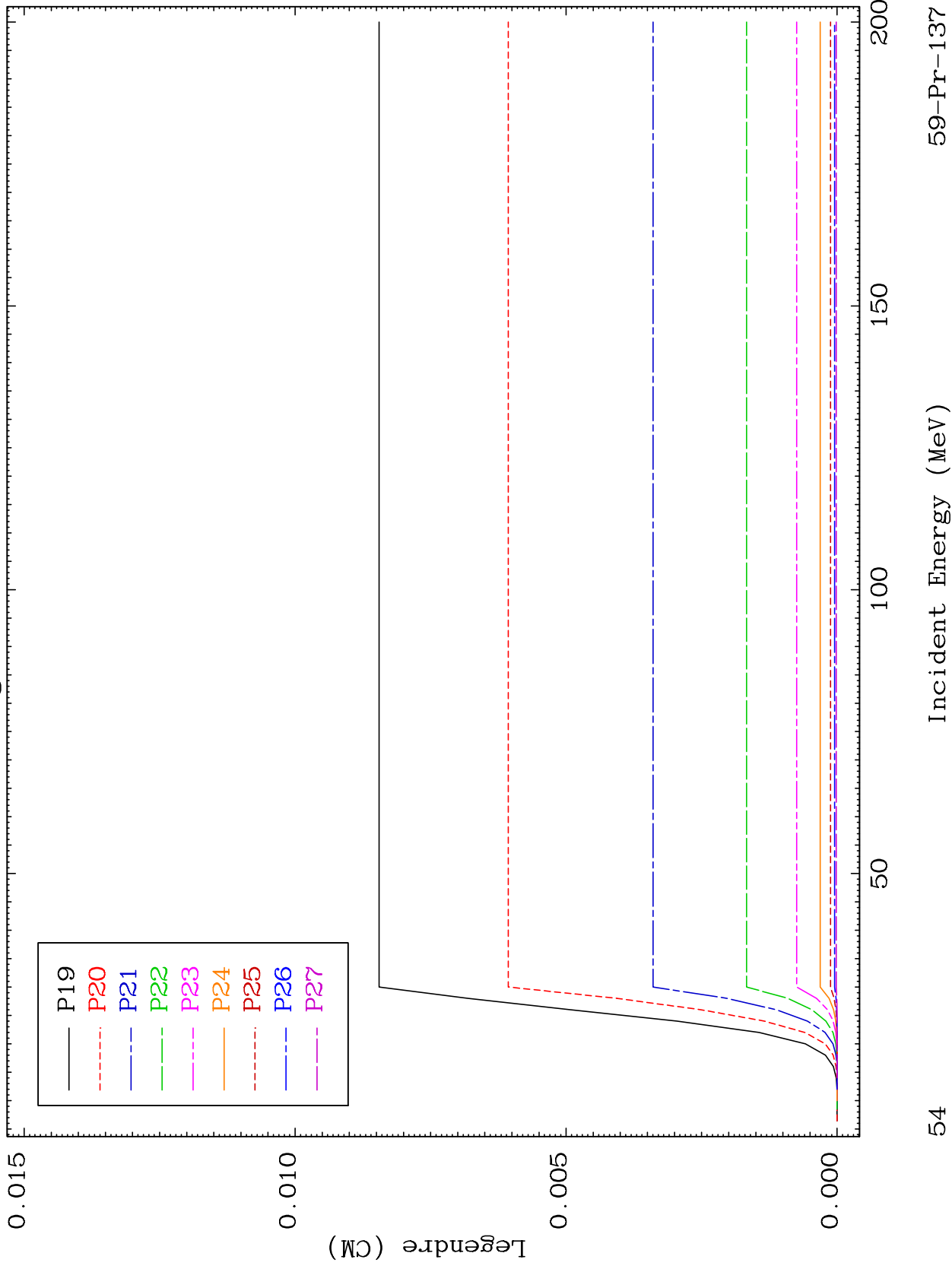
52



MAT 5913

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

59-Pr-137



54

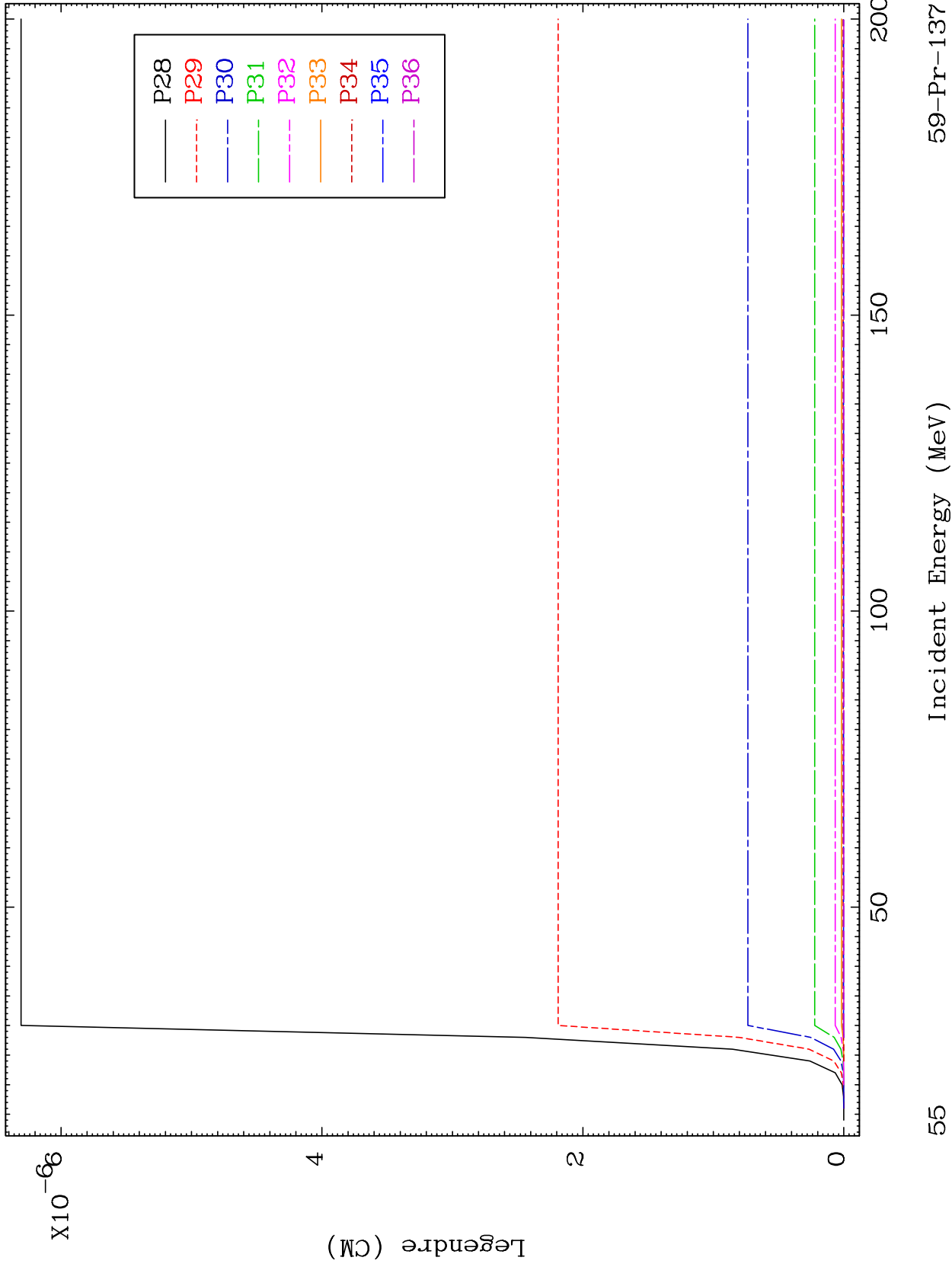
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137

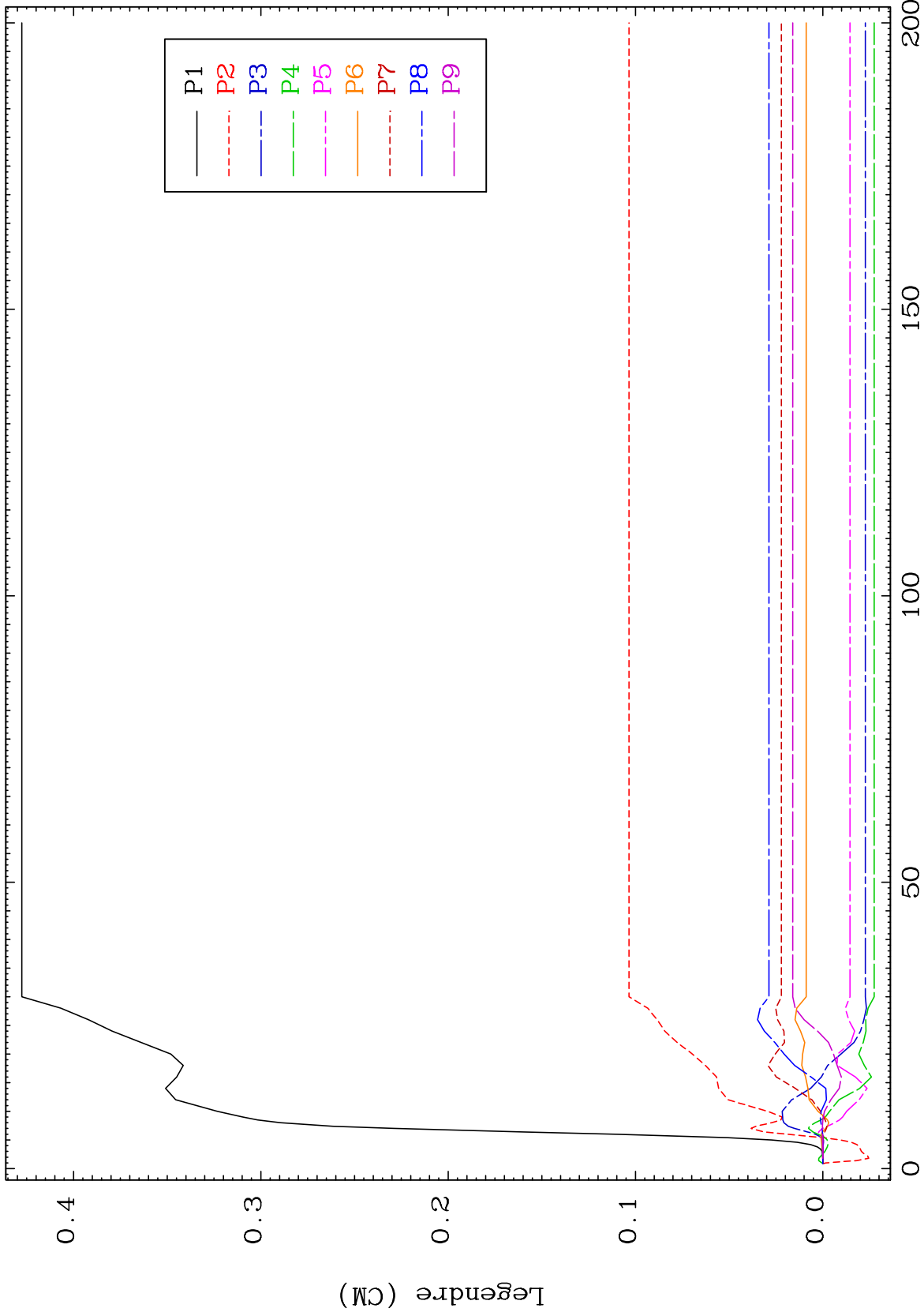




MAT 5913

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

59-Pr-137



56

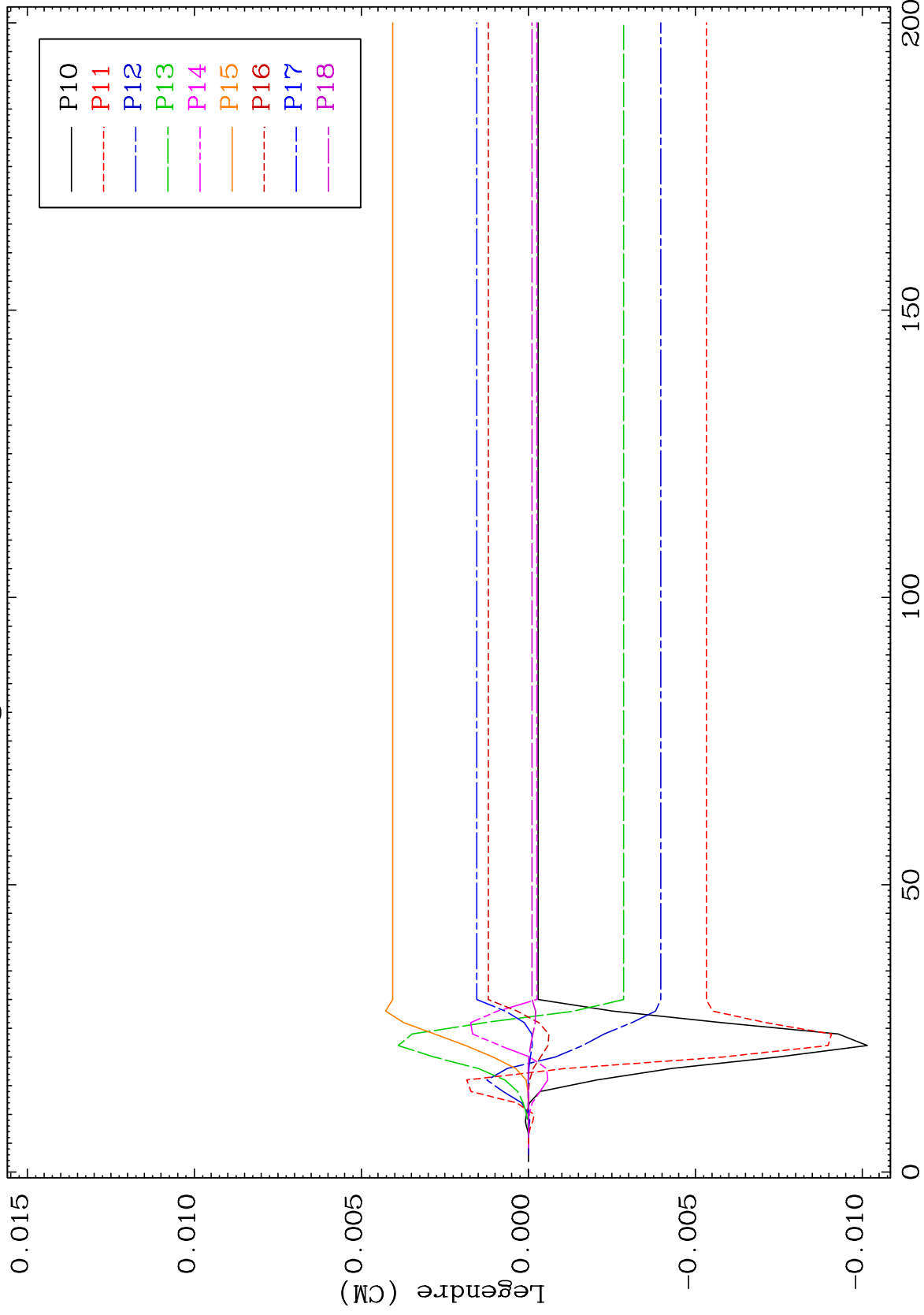
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

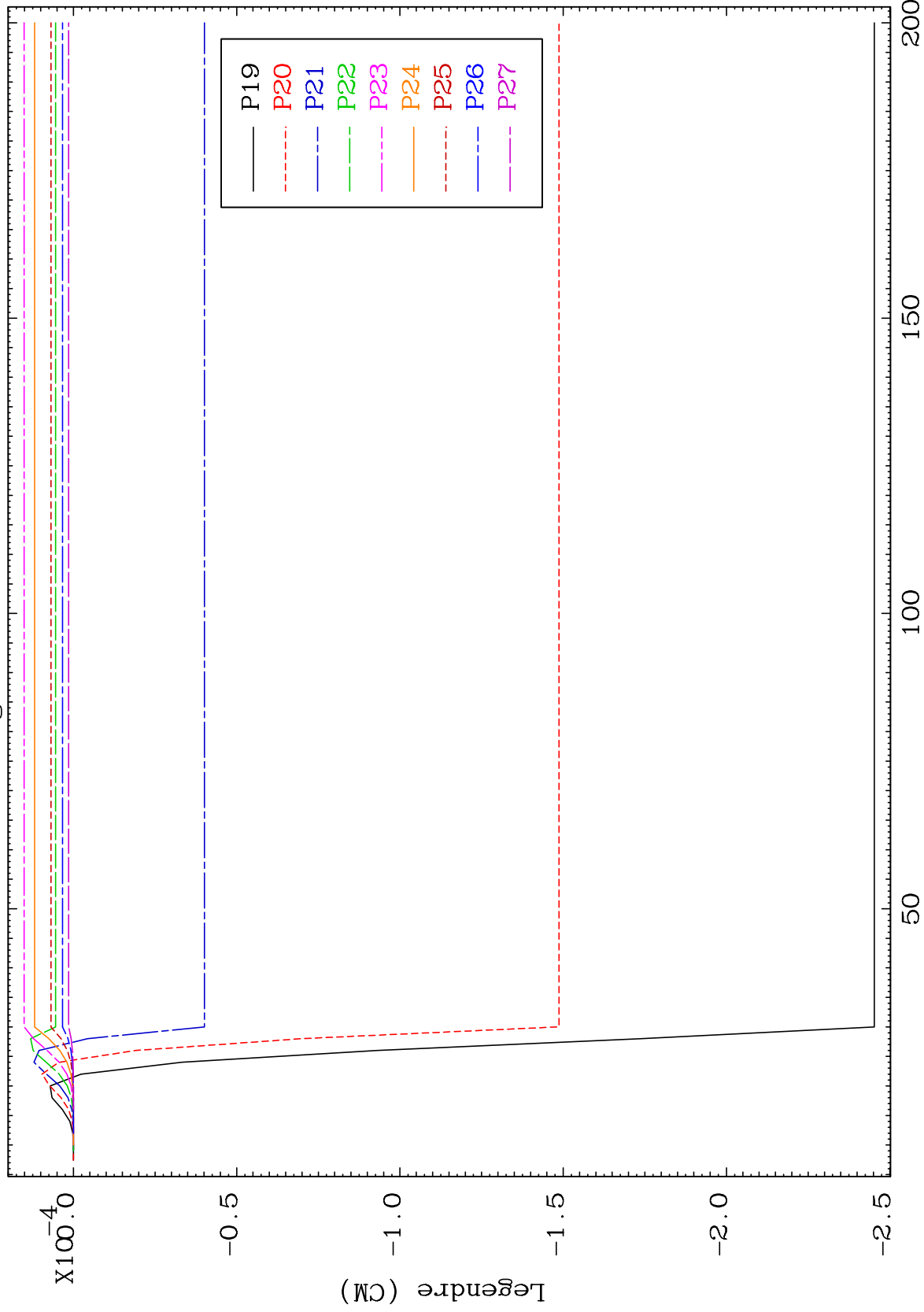
59-Pr-137



57

Incident Energy (MeV)

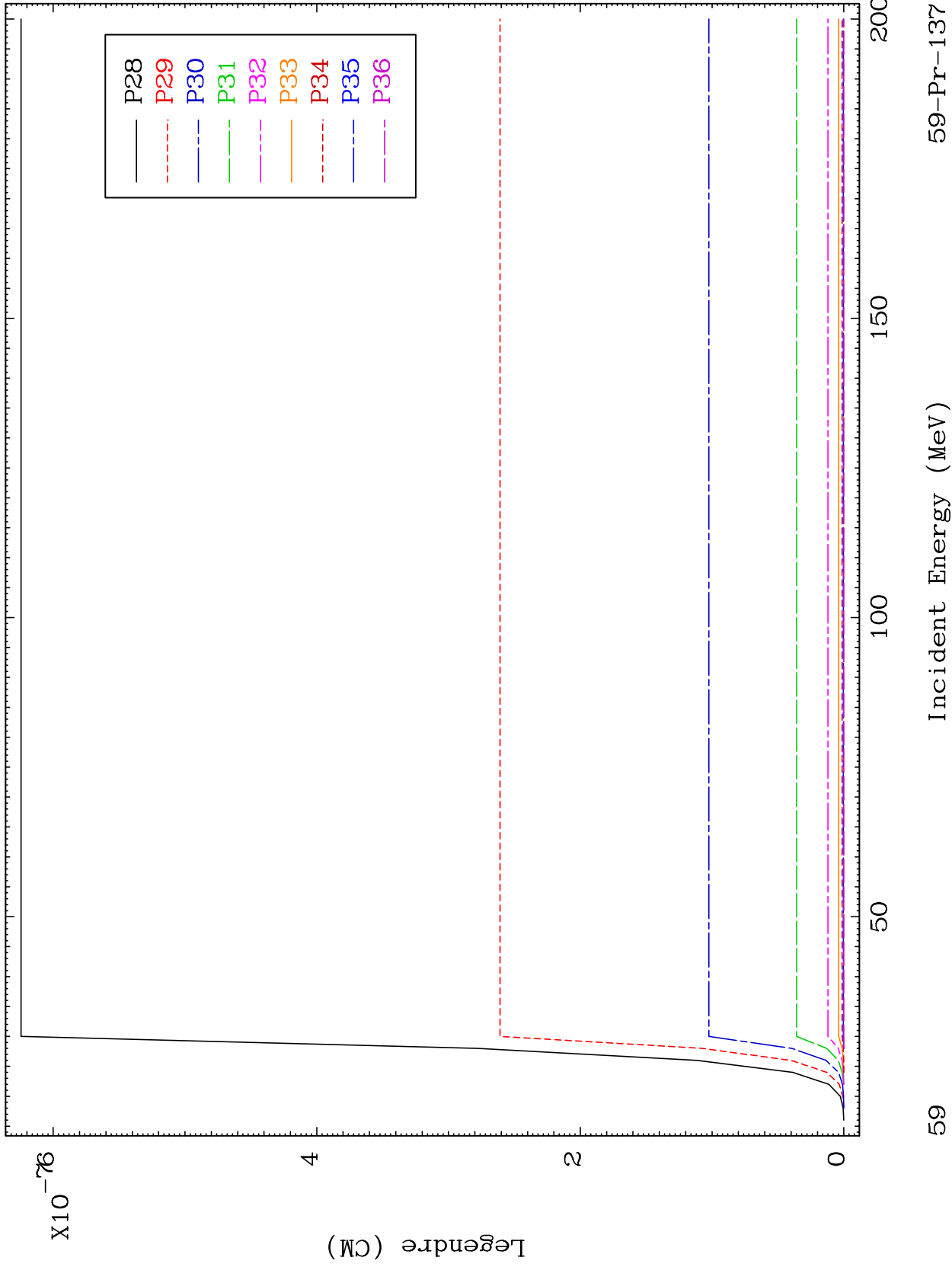
59-Pr-137



MAT 5913

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

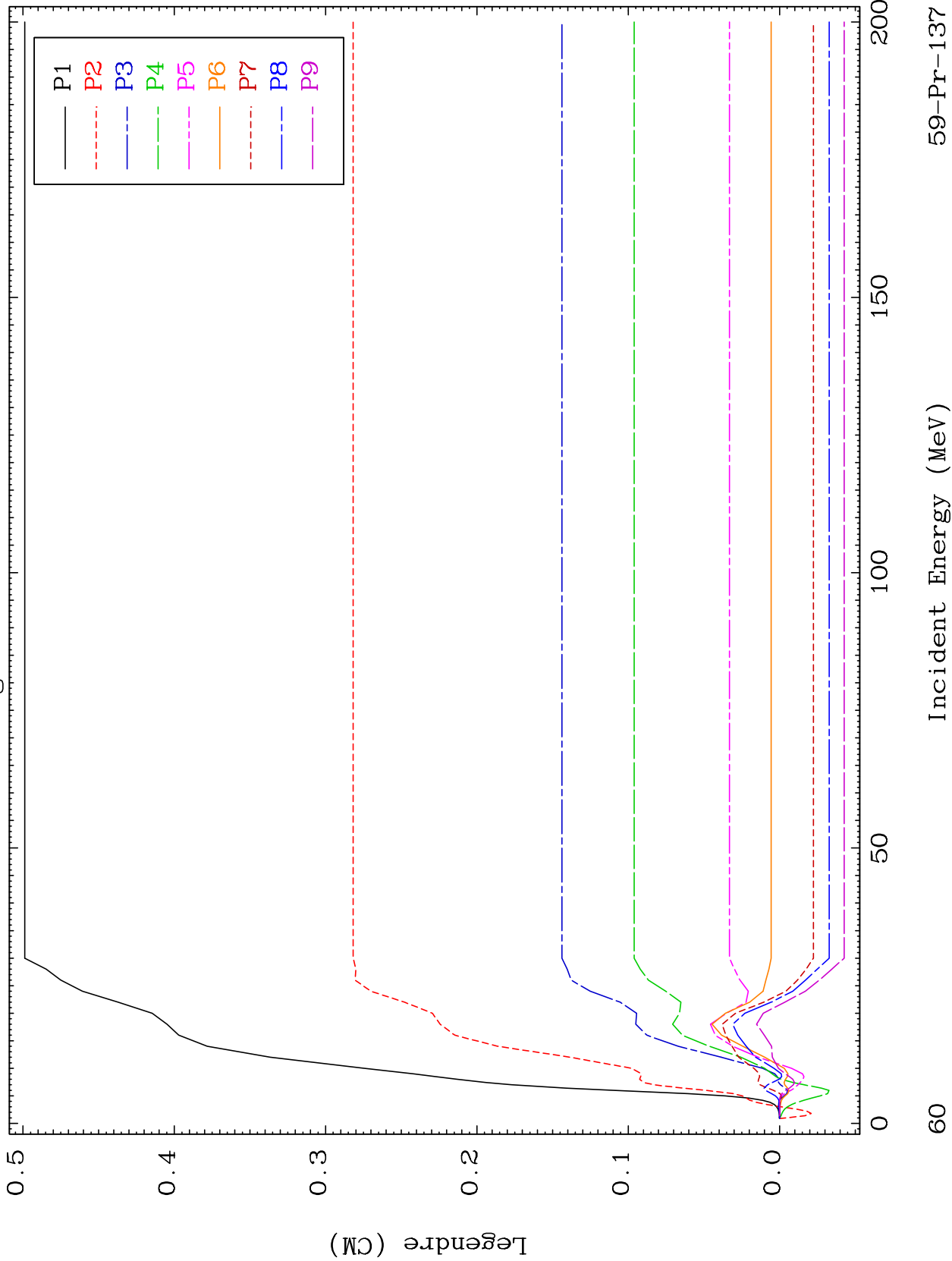
59-Pr-137



MAT 5913

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

59-Pr-137



59-Pr-137

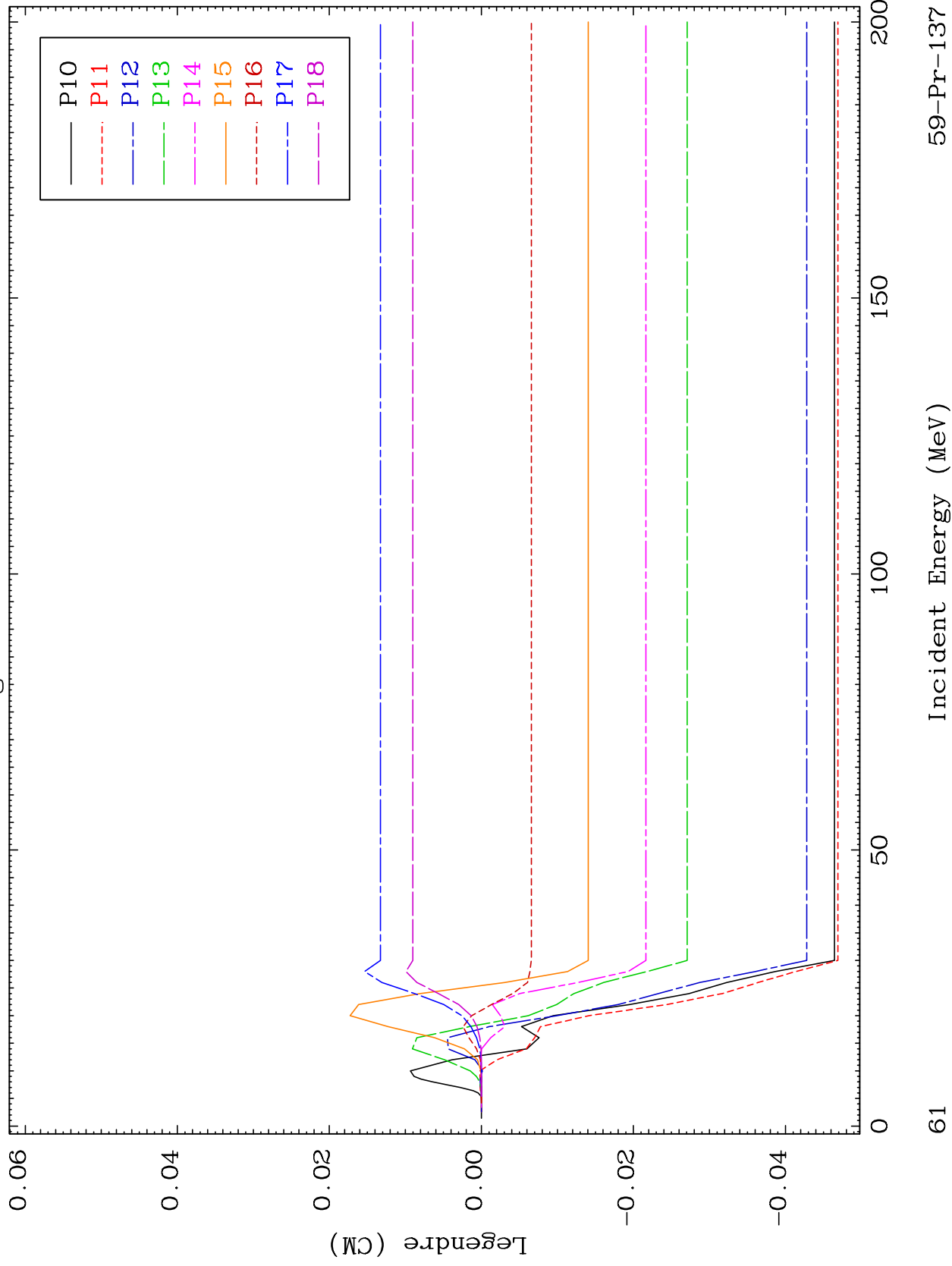
Incident Energy (MeV)

60

MAT 5913

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

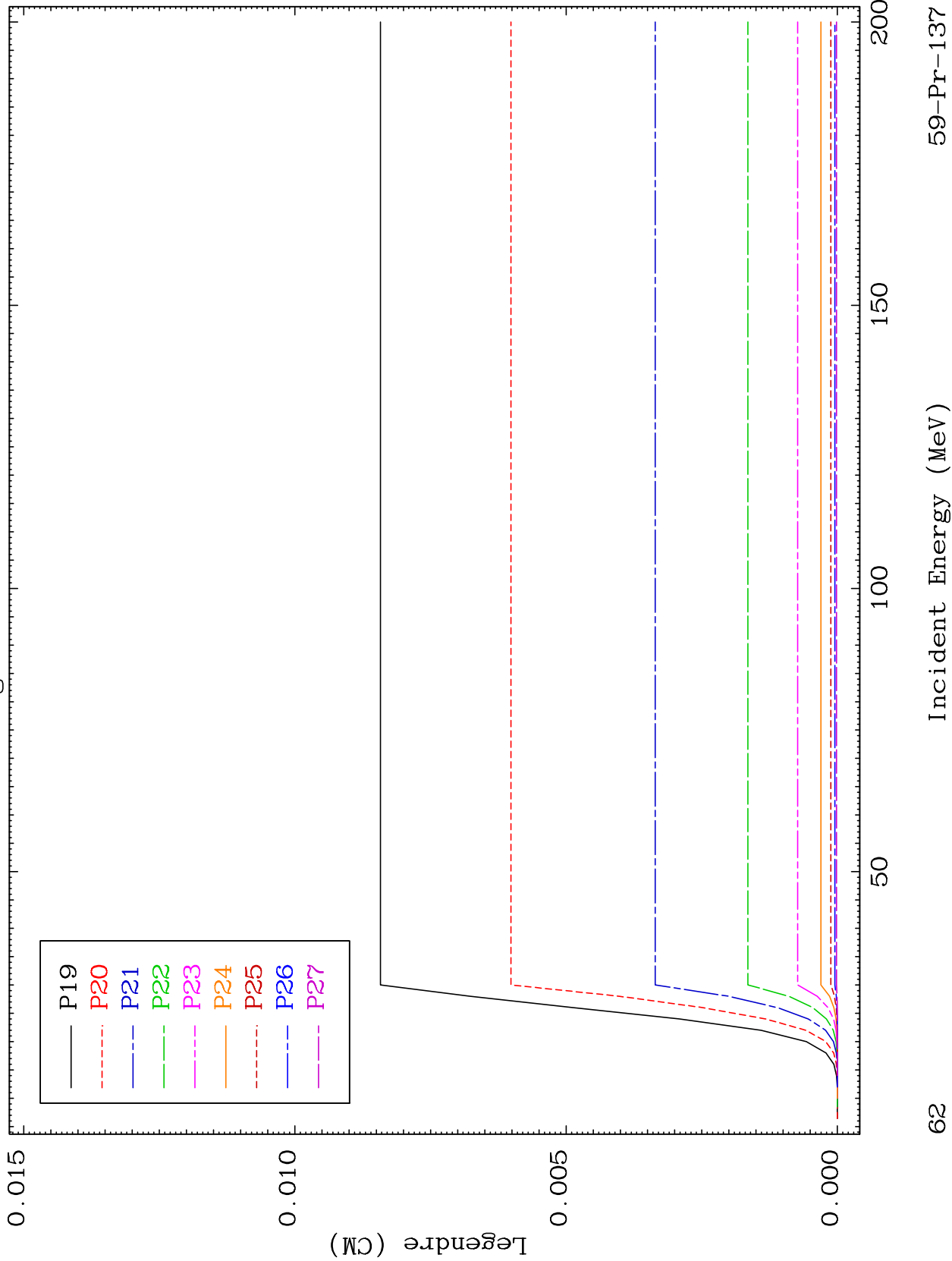
59-Pr-137



59-Pr-137

Incident Energy (MeV)

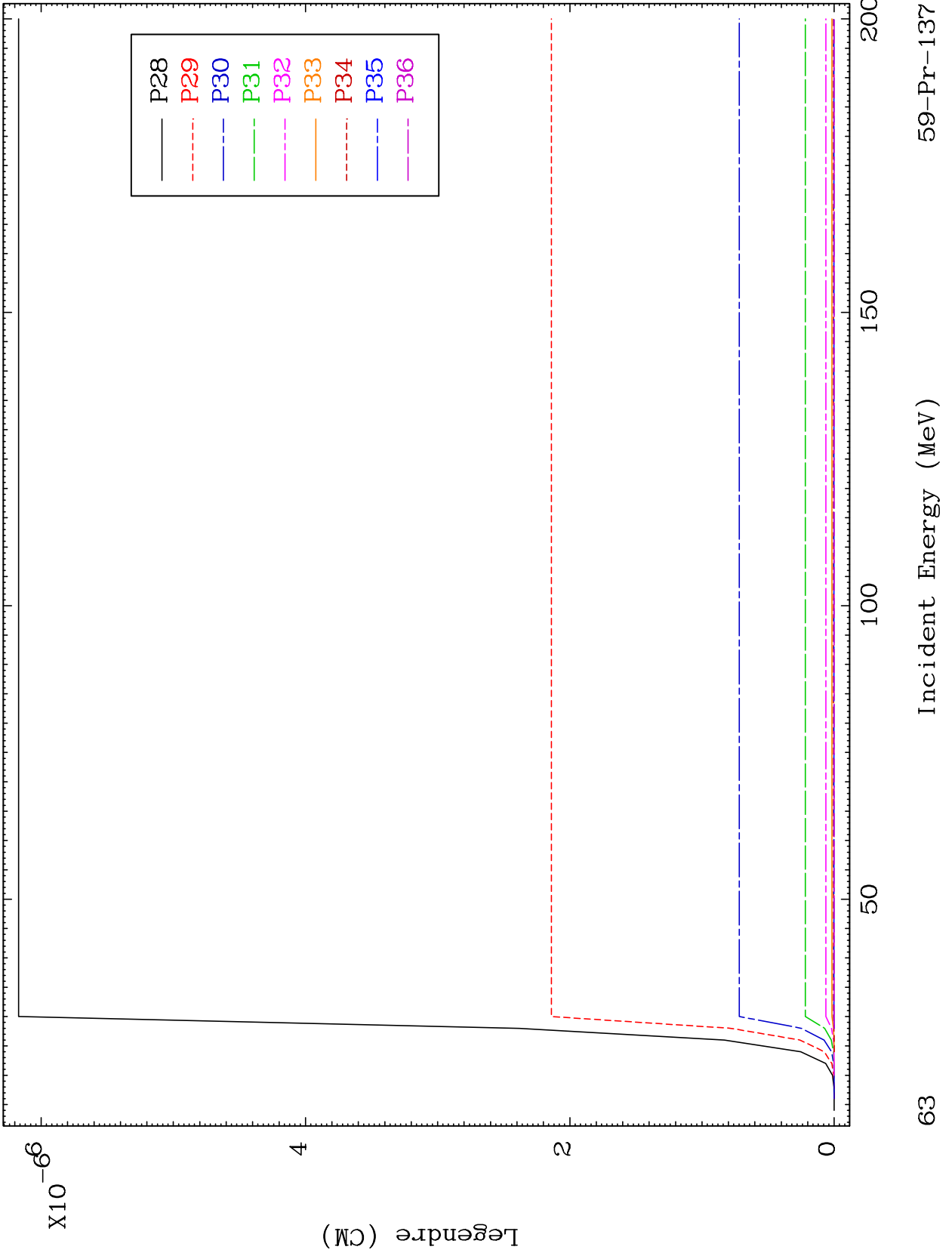
61



MAT 5913

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

59-Pr-137



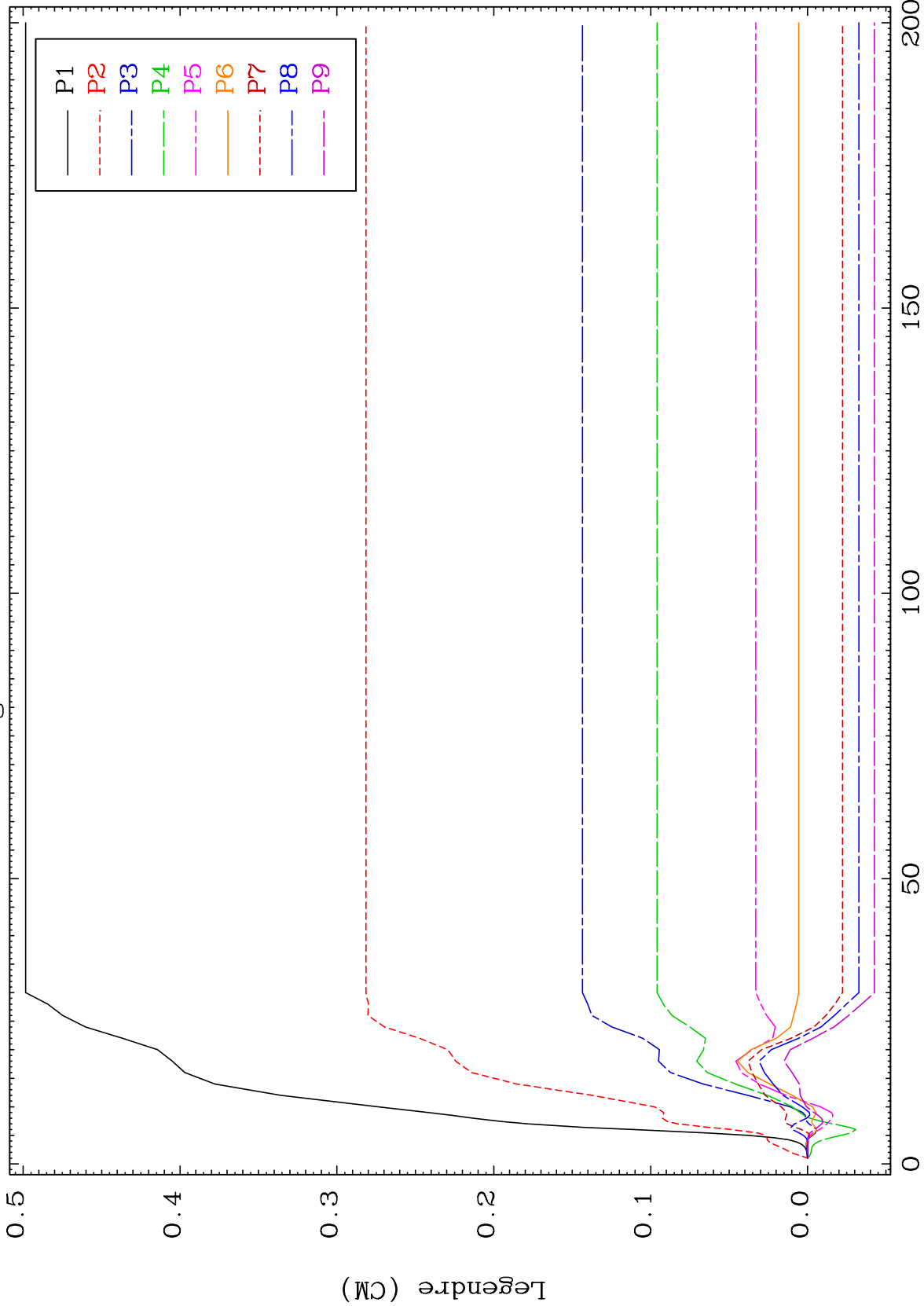


MAT 5913

MT= 62 (n,n') Level

59-Pr-137

Legendre Coefficients



64

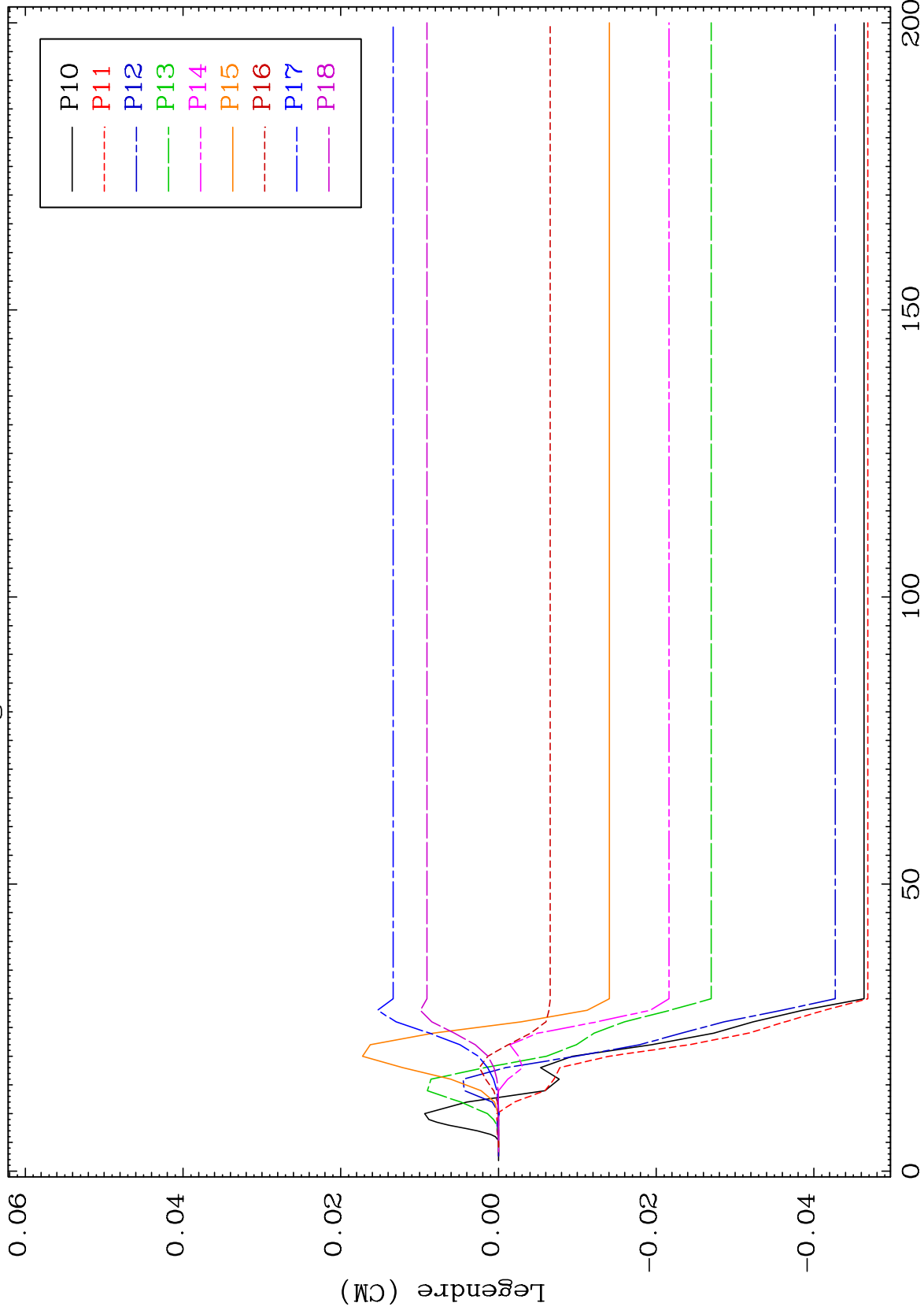
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

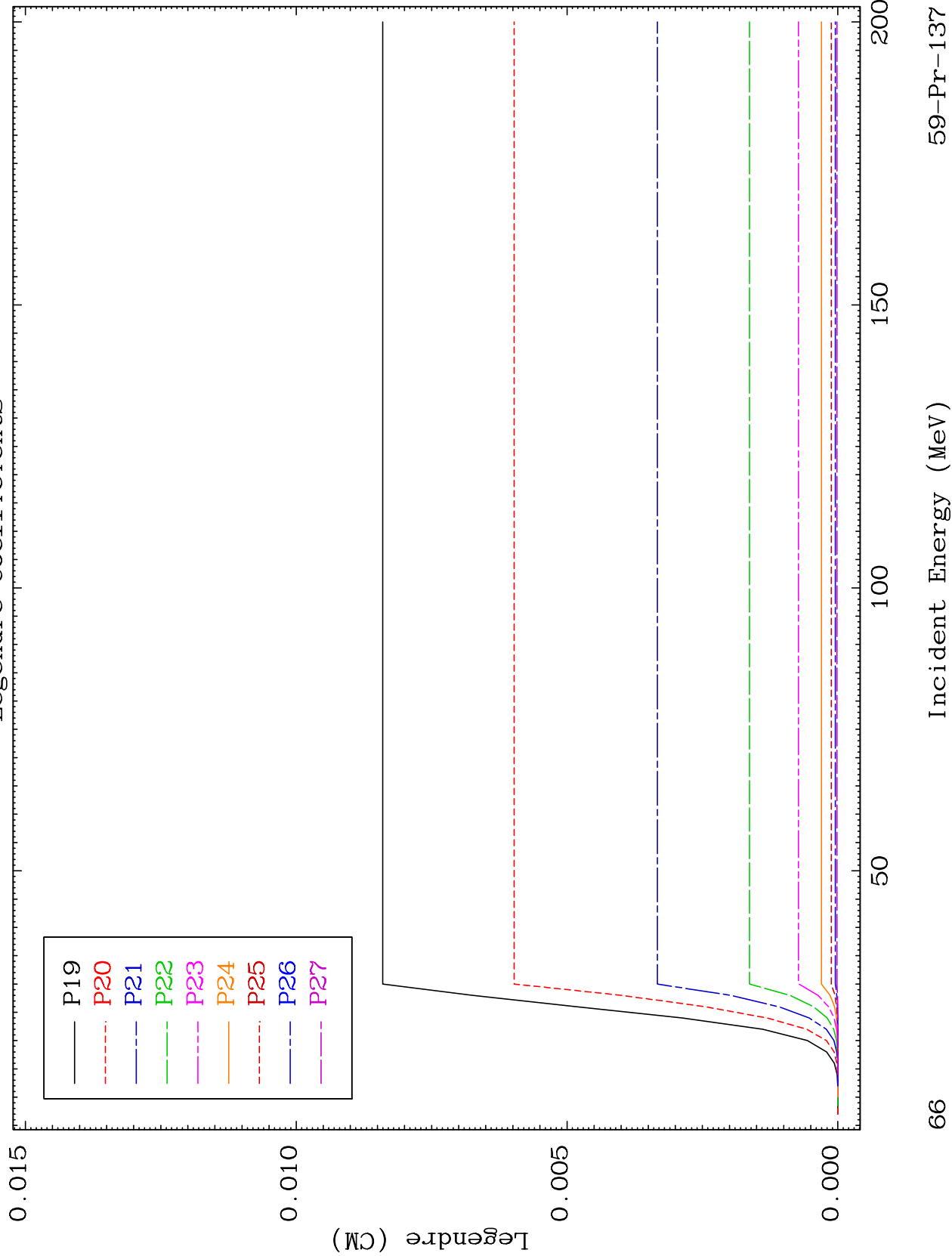
59-Pr-137



65

Incident Energy (MeV)

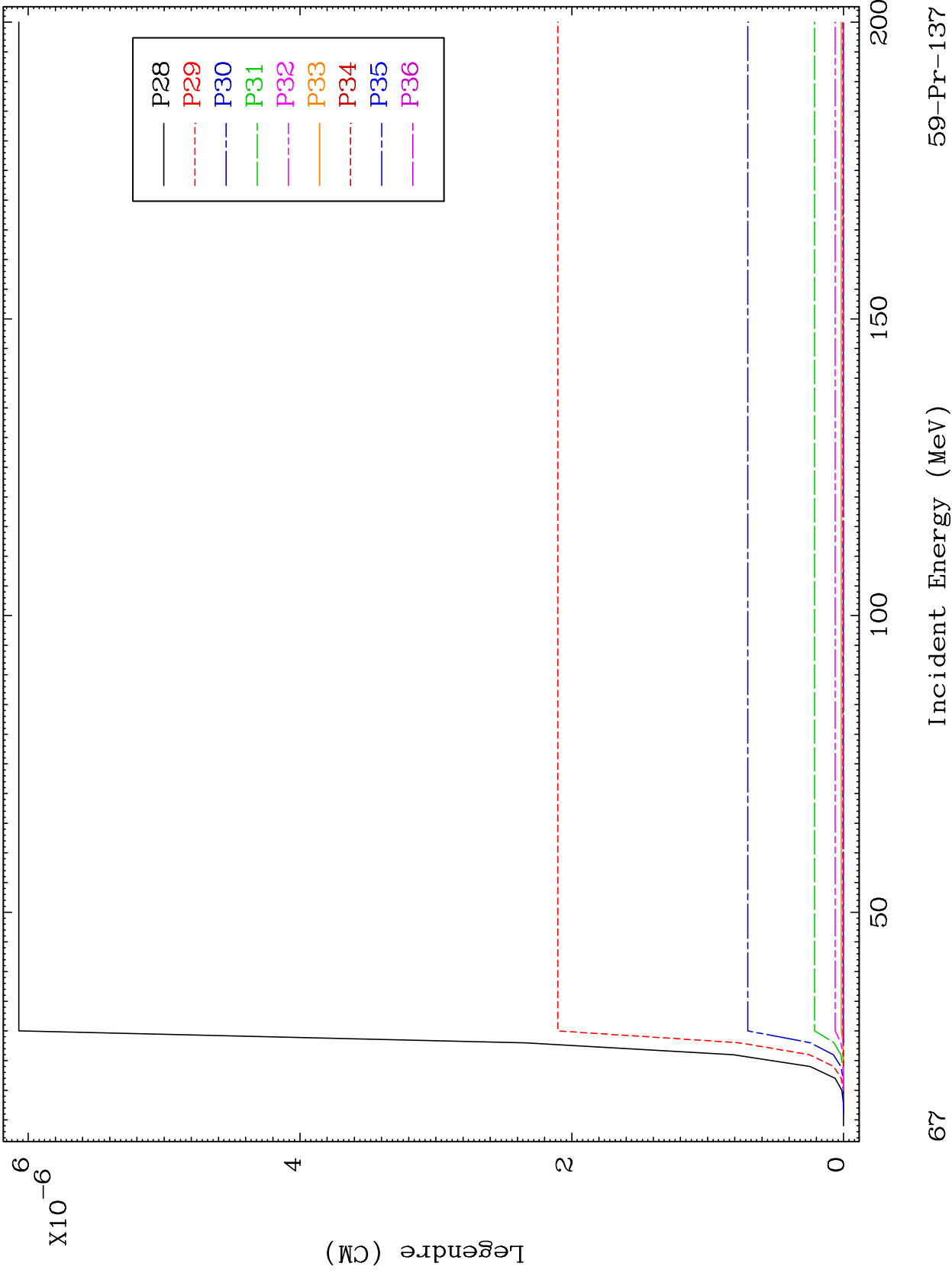
59-Pr-137



MAT 5913

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

59-Pr-137

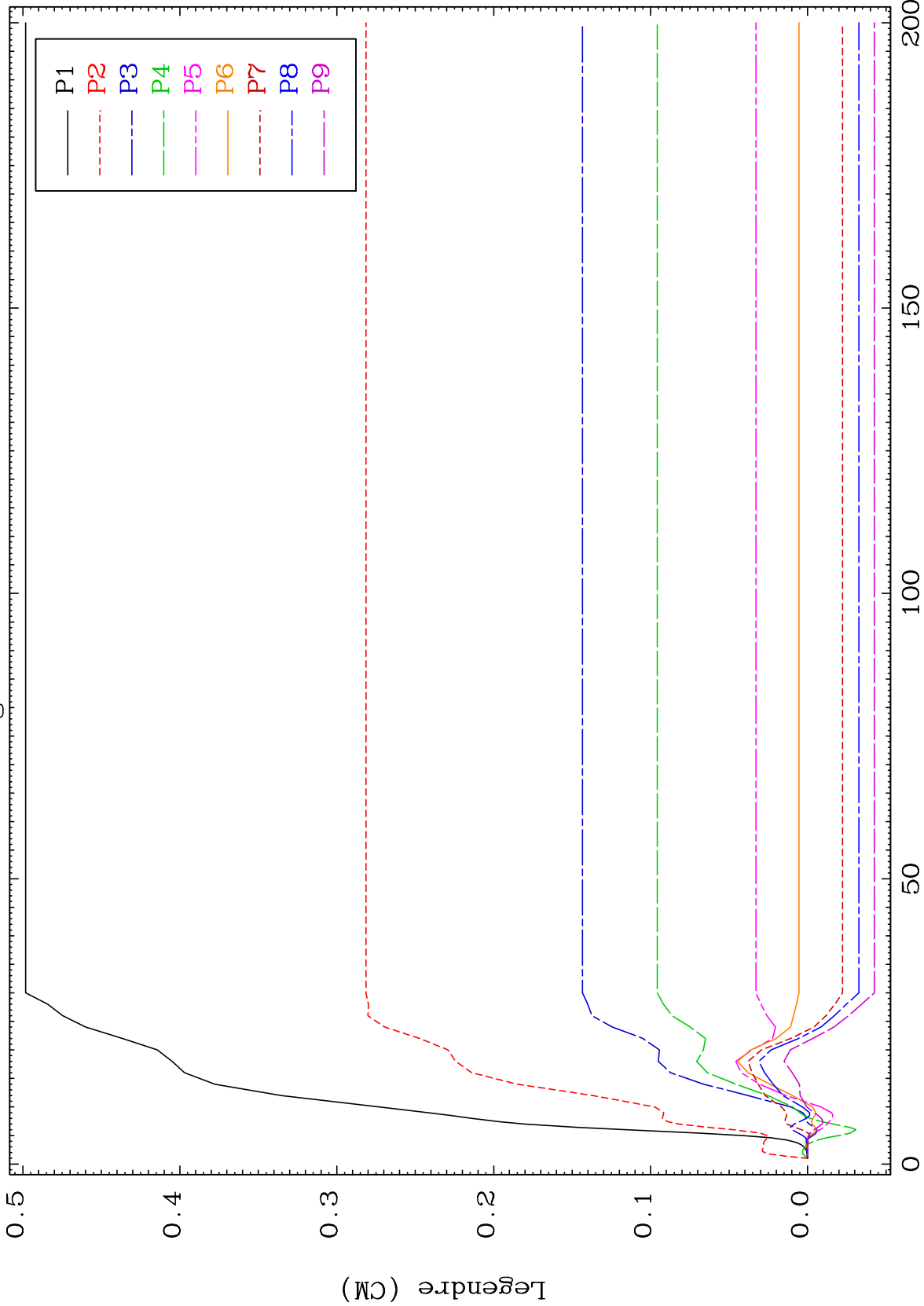


MAT 5913

MT= 63 (n,n') Level

59-Pr-137

Legendre Coefficients



68

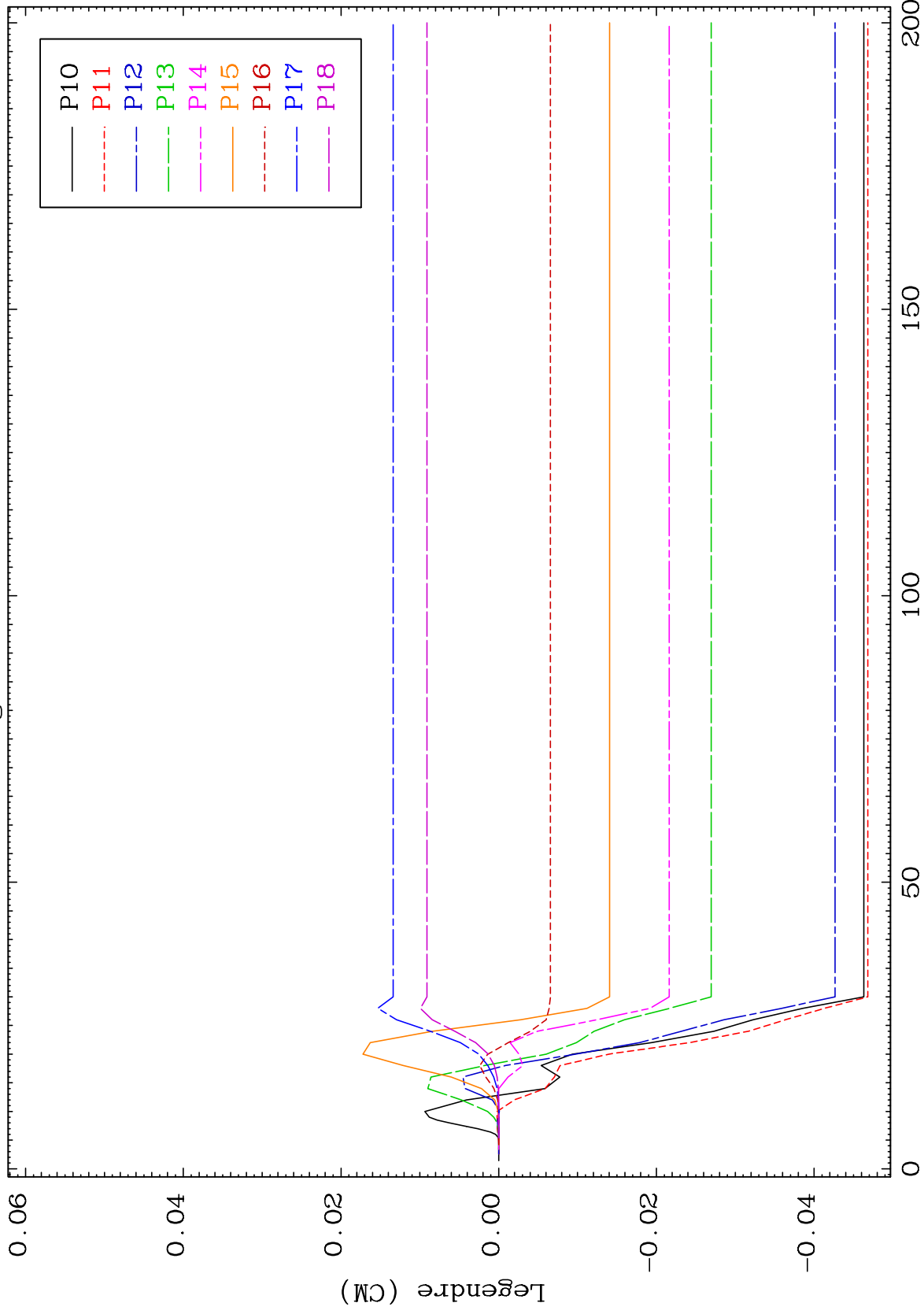
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



69

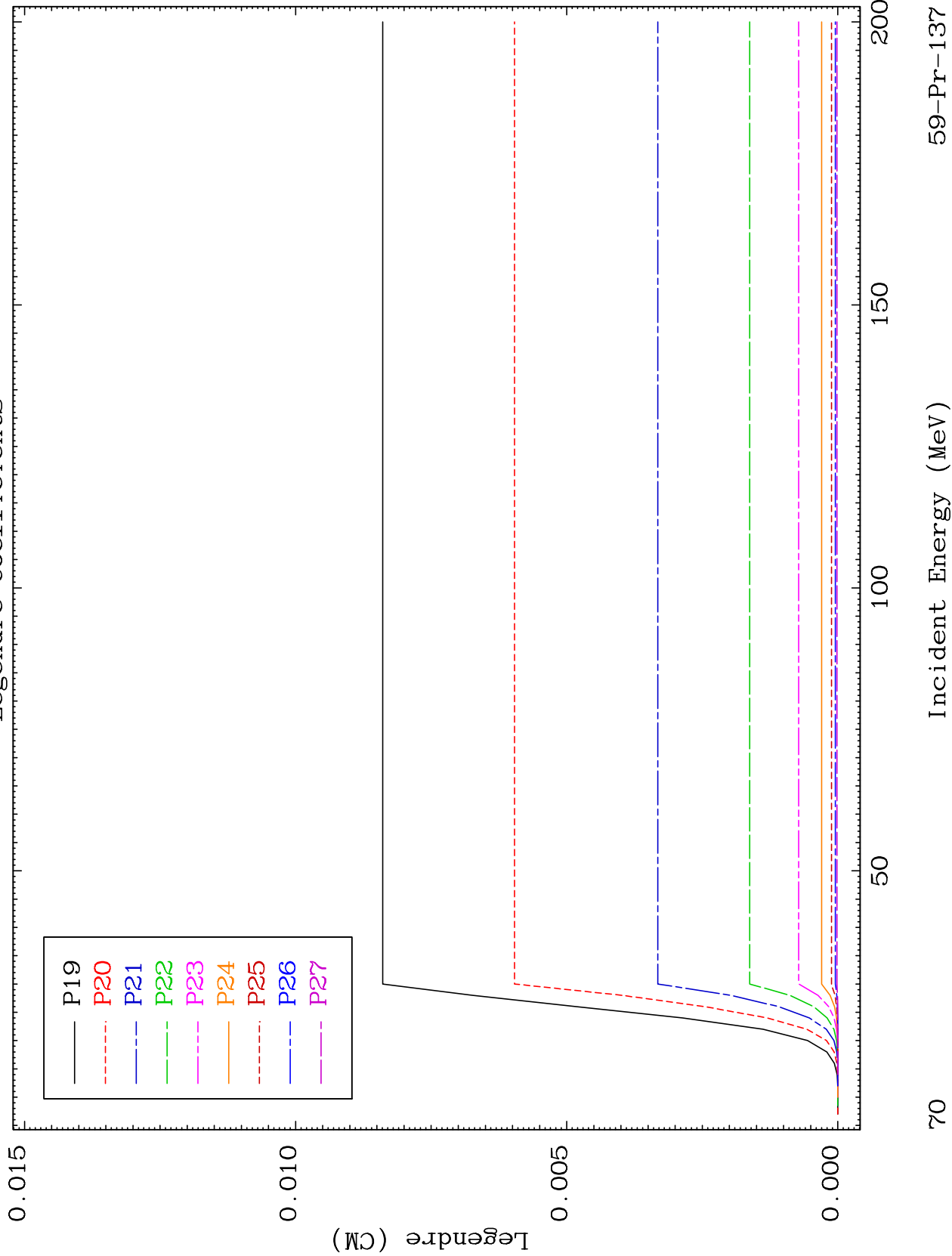
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



70

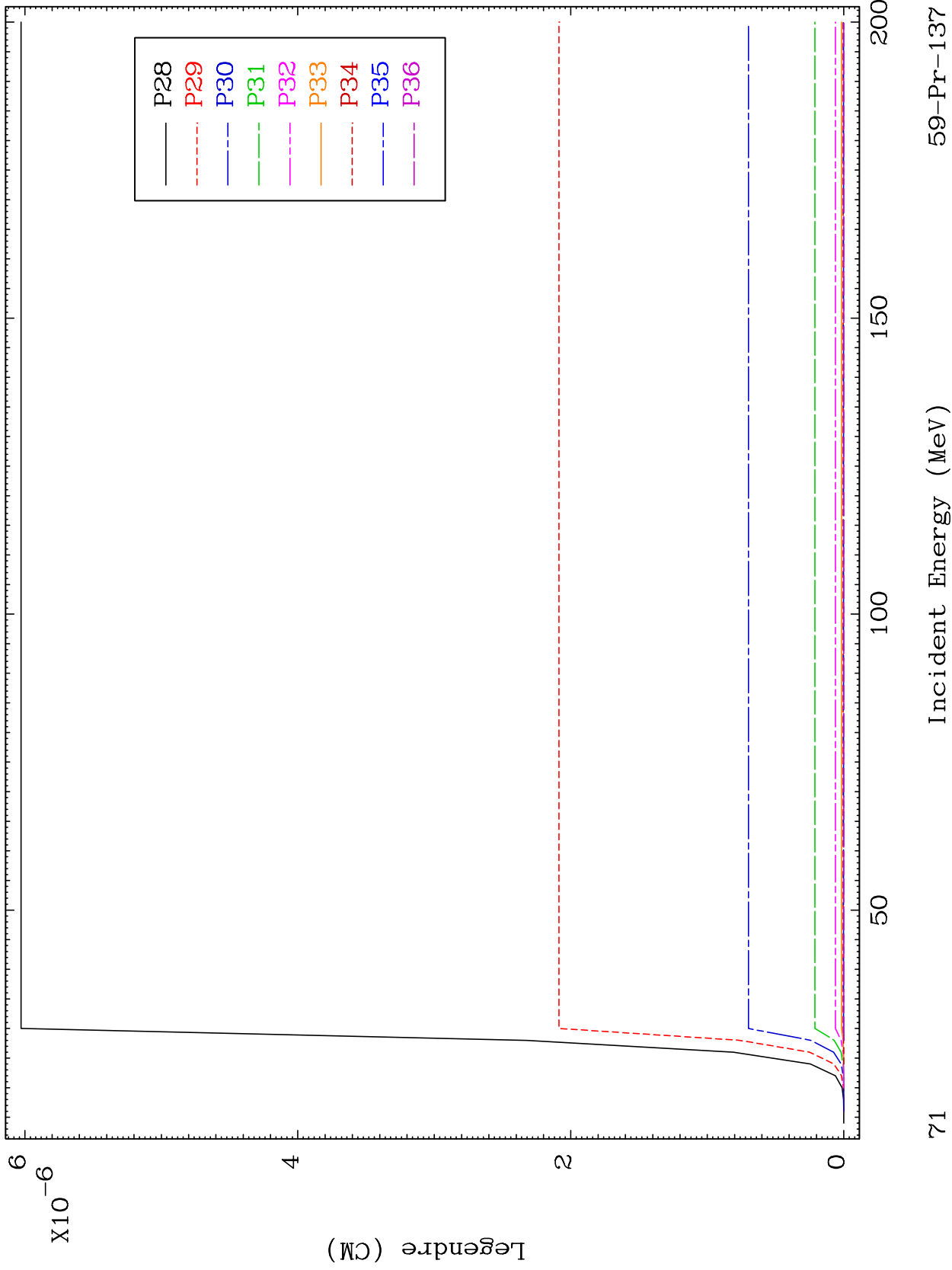
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



71

Incident Energy (MeV)

59-Pr-137

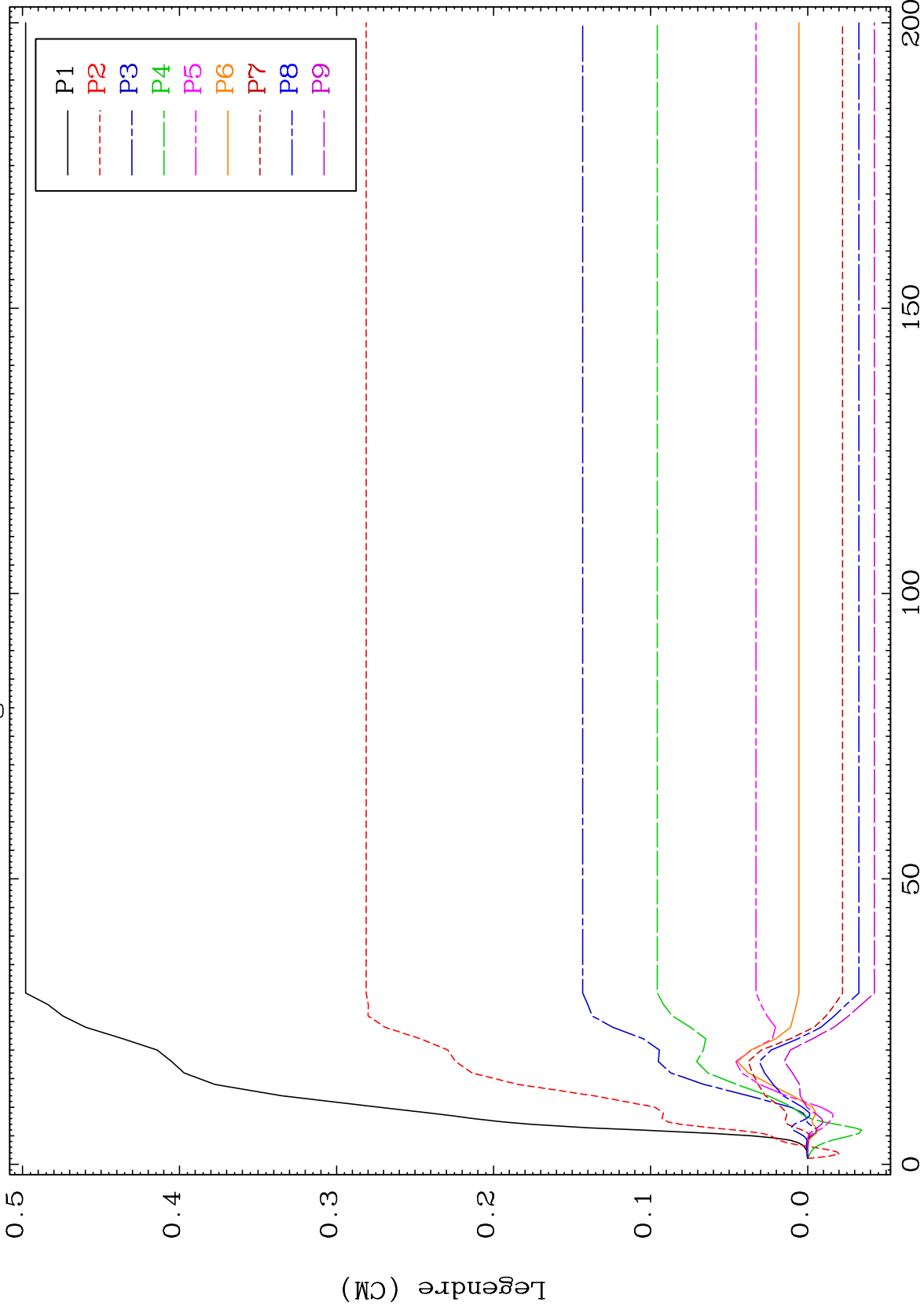


MAT 5913

MT= 64 (n,n') Level

59-Pr-137

Legendre Coefficients



72

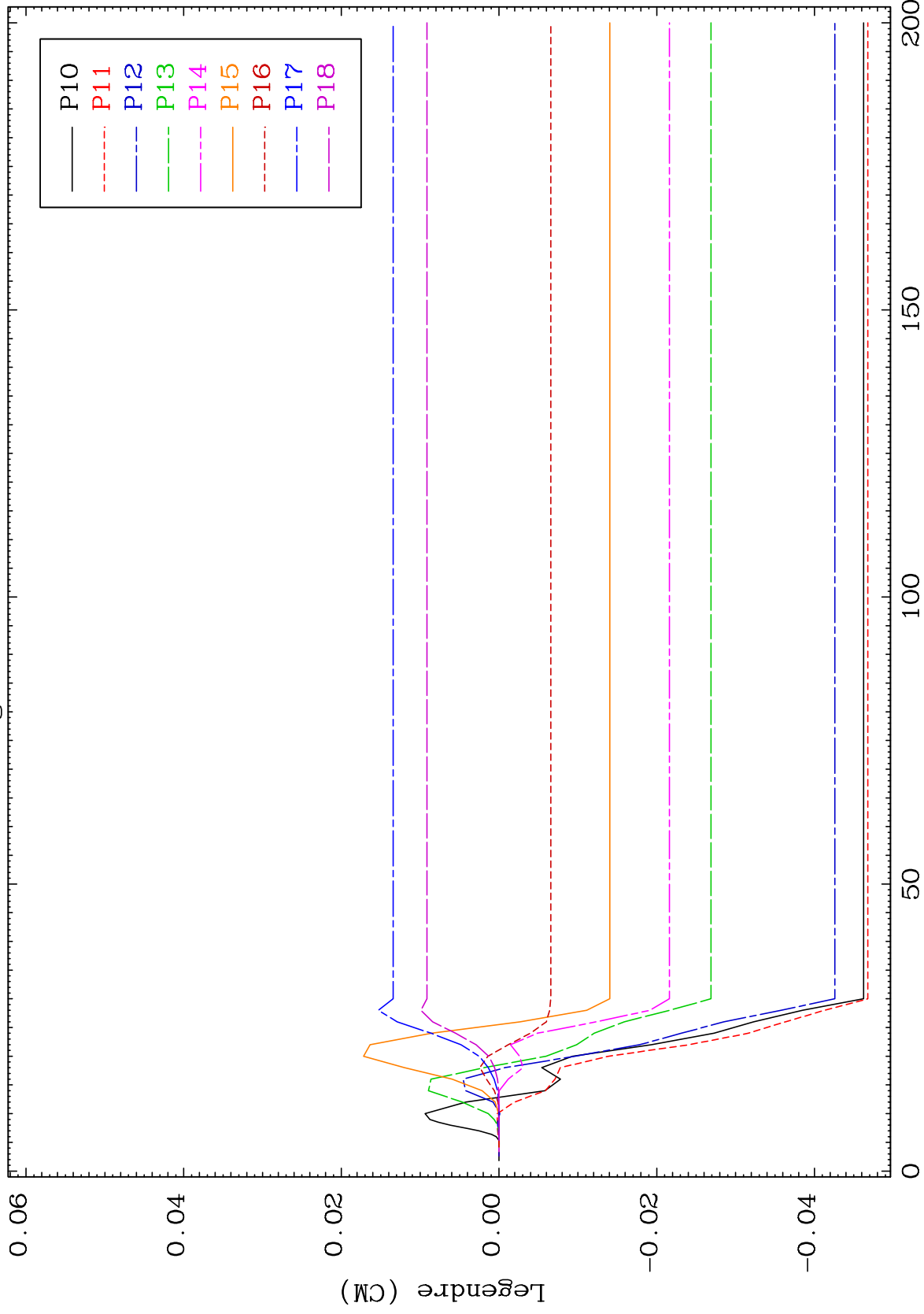
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



73

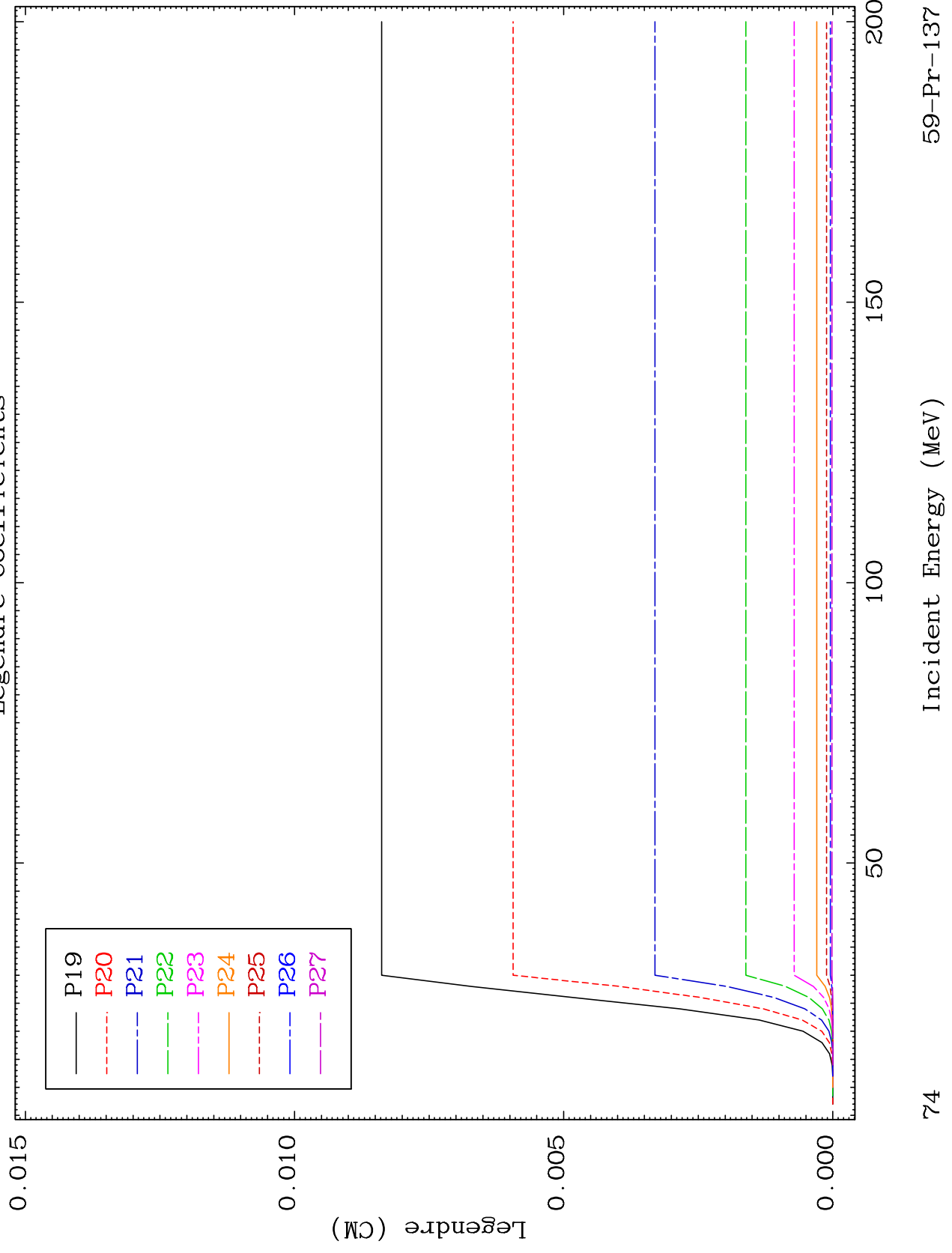
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



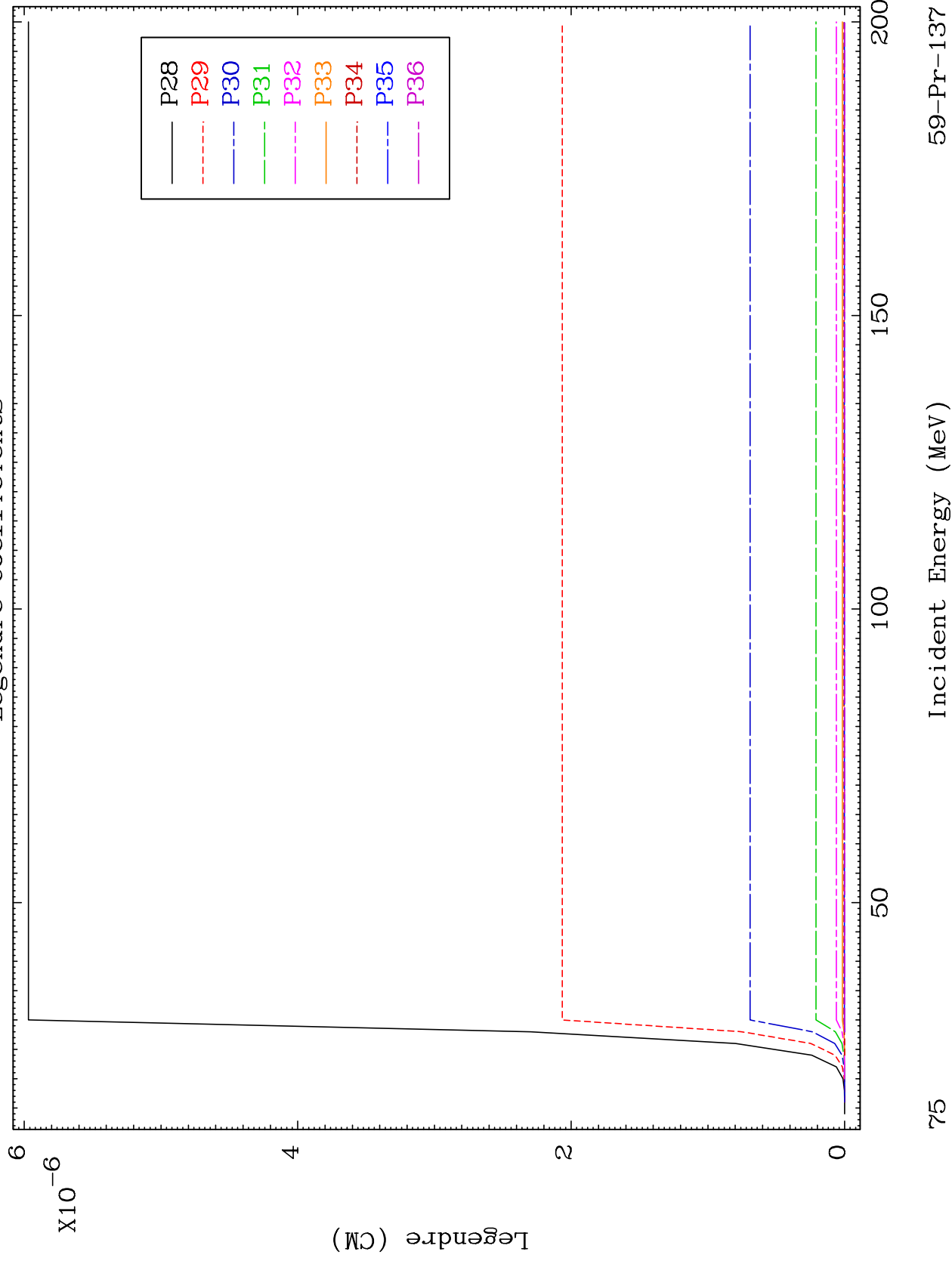
74

59-Pr-137

MAT 5913

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

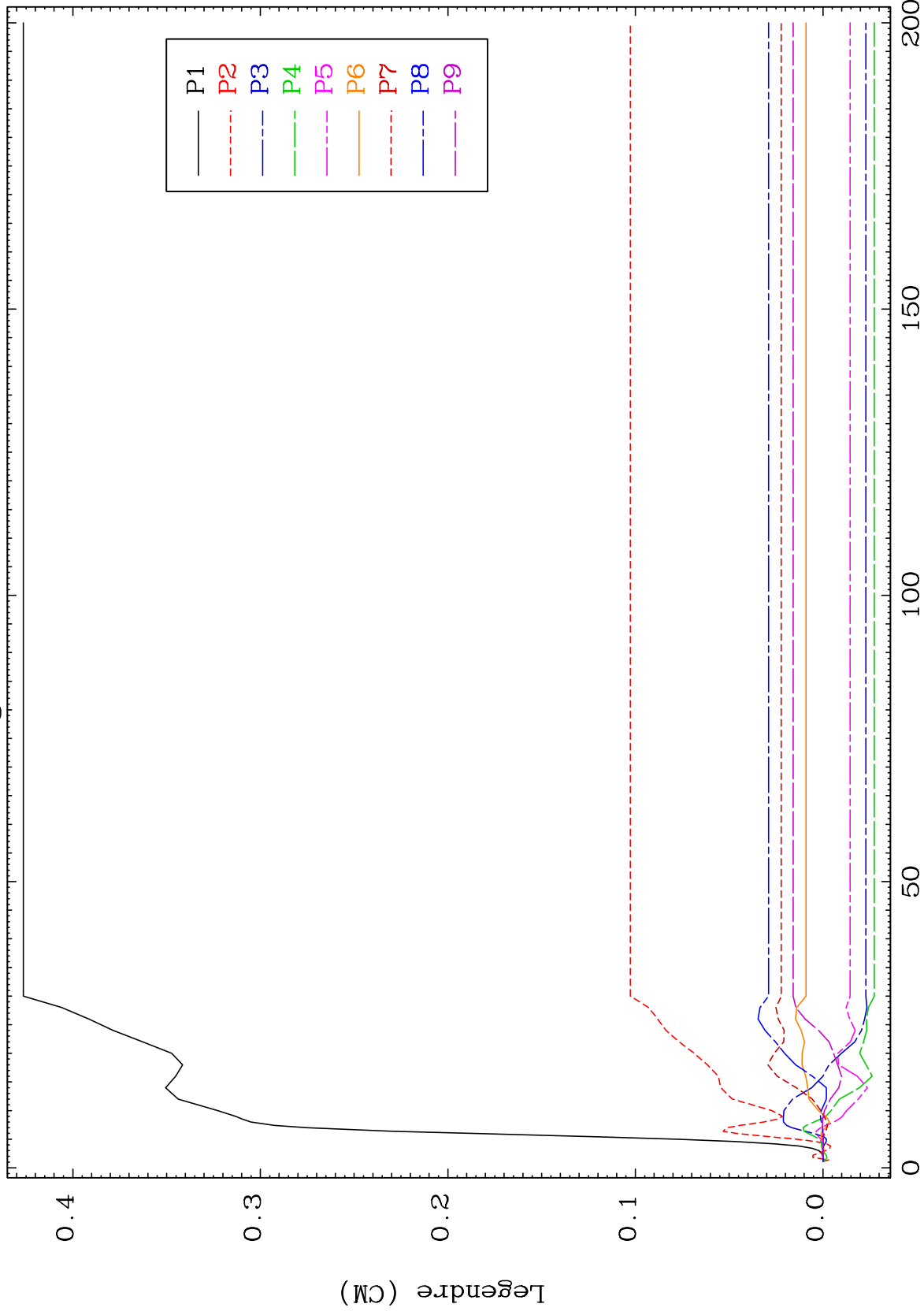
59-Pr-137



MAT 5913

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

59-Pr-137



76

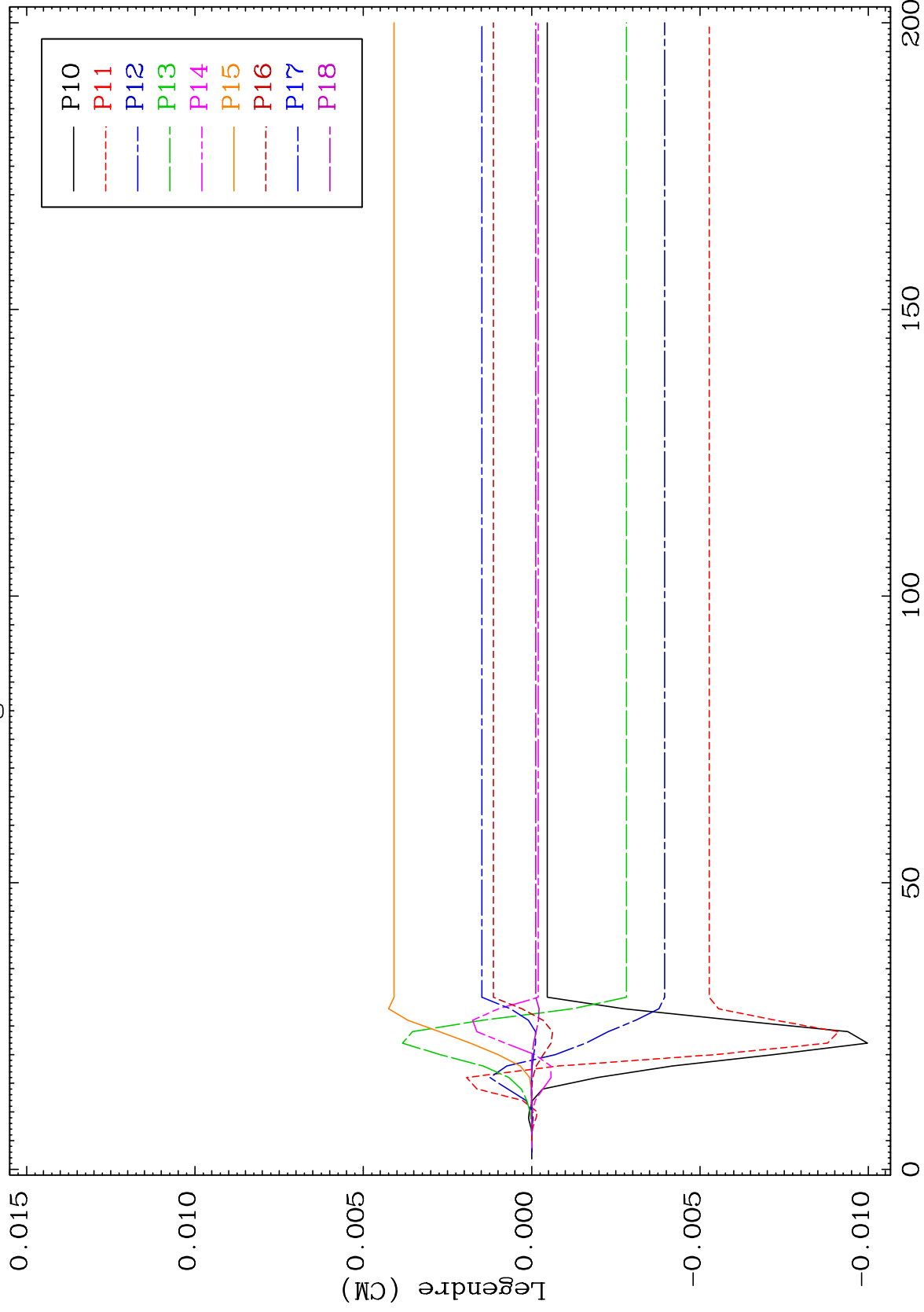
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

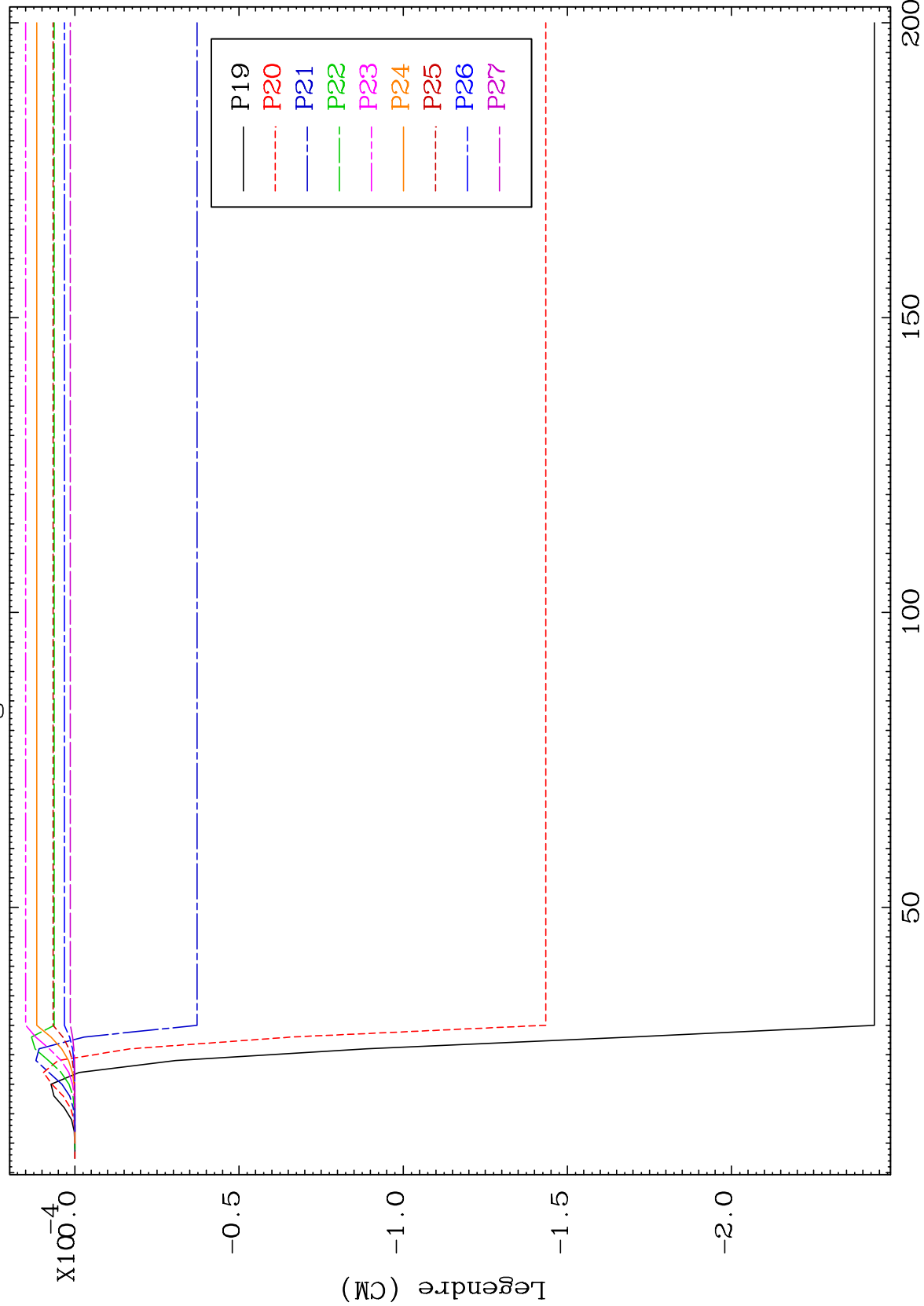
59-Pr-137



77

Incident Energy (MeV)

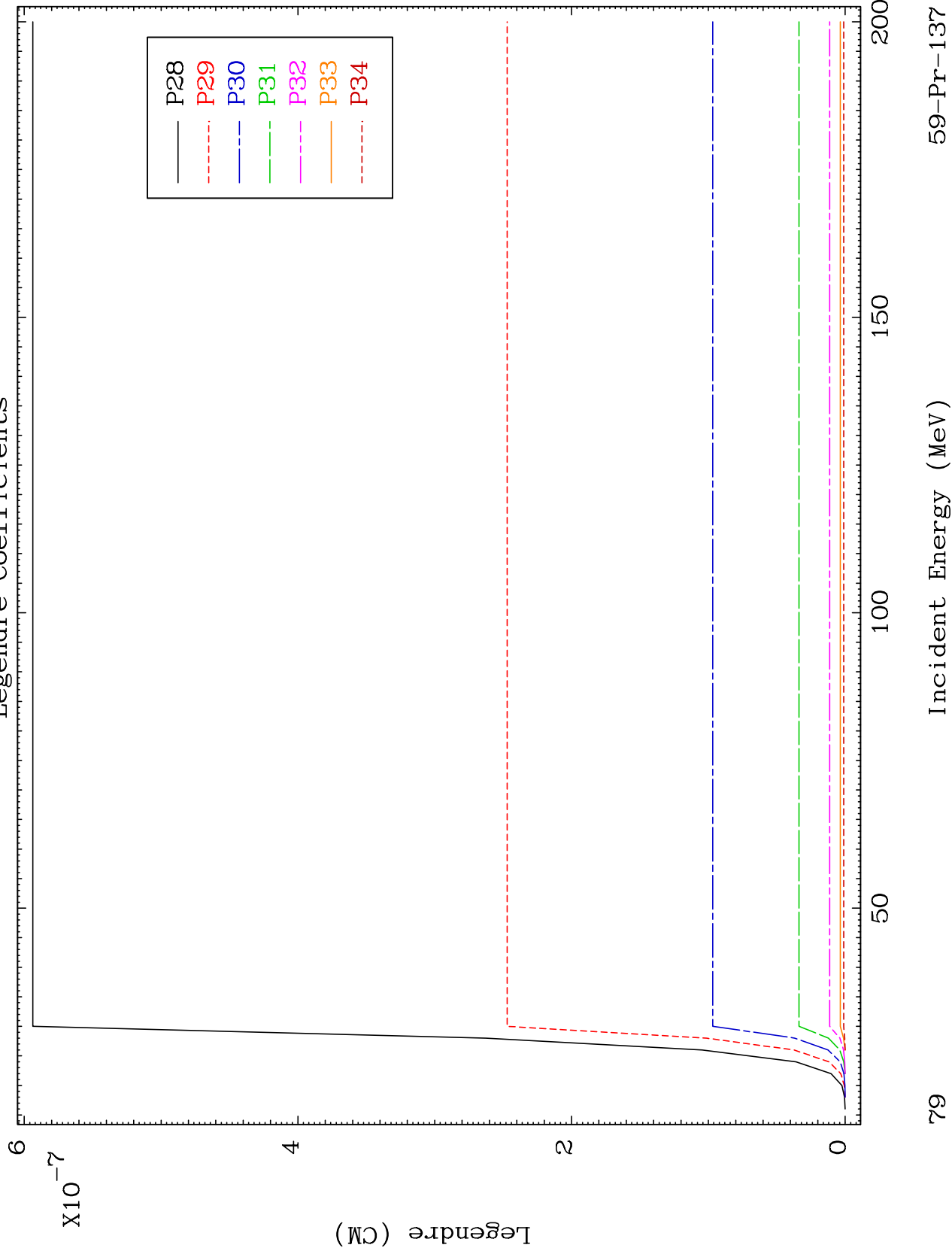
59-Pr-137



MAT 5913

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

59-Pr-137

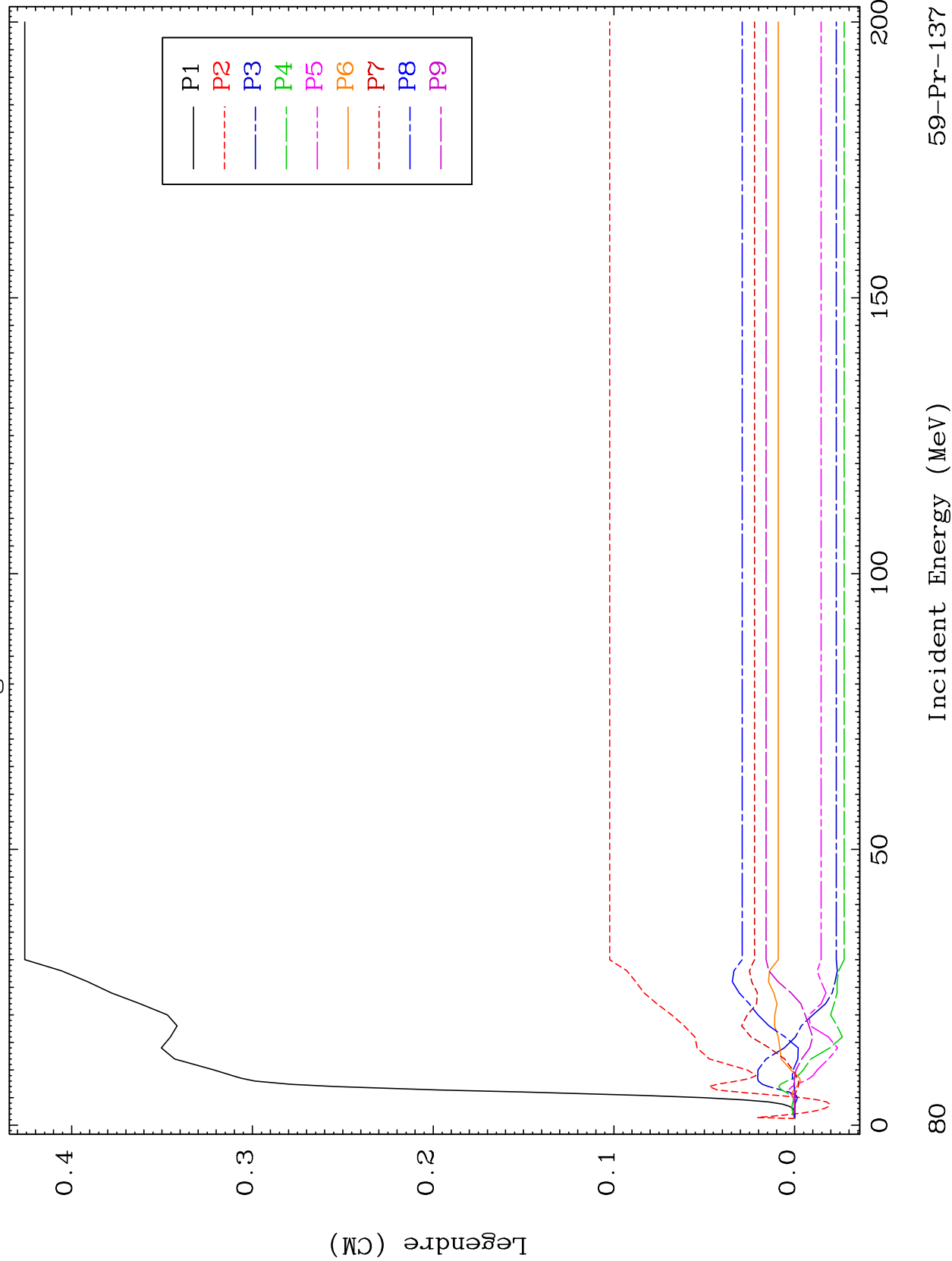




MAT 5913

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

59-Pr-137



59-Pr-137

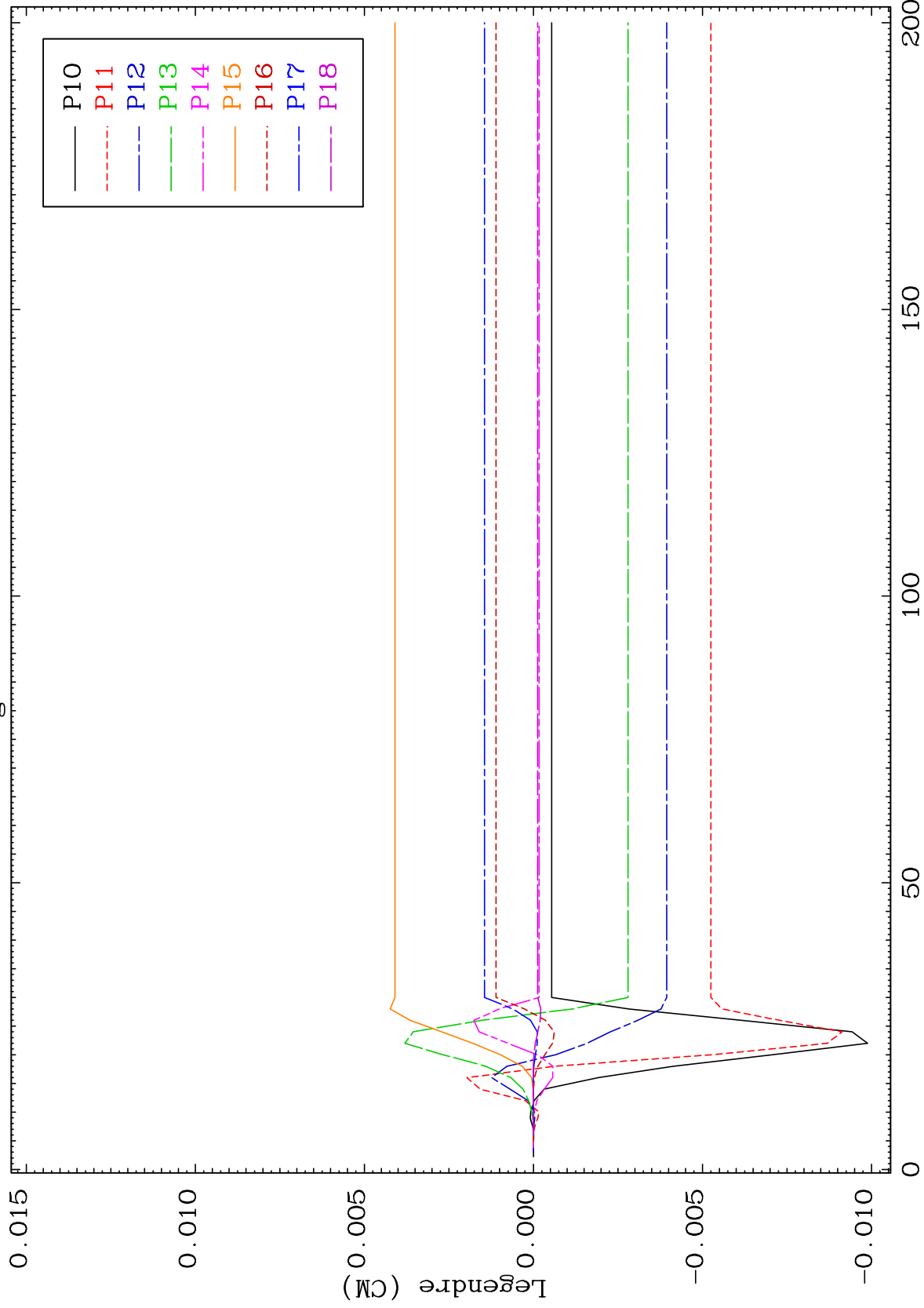
Incident Energy (MeV)

80

MAT 5913

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

59-Pr-137



81

Incident Energy (MeV)

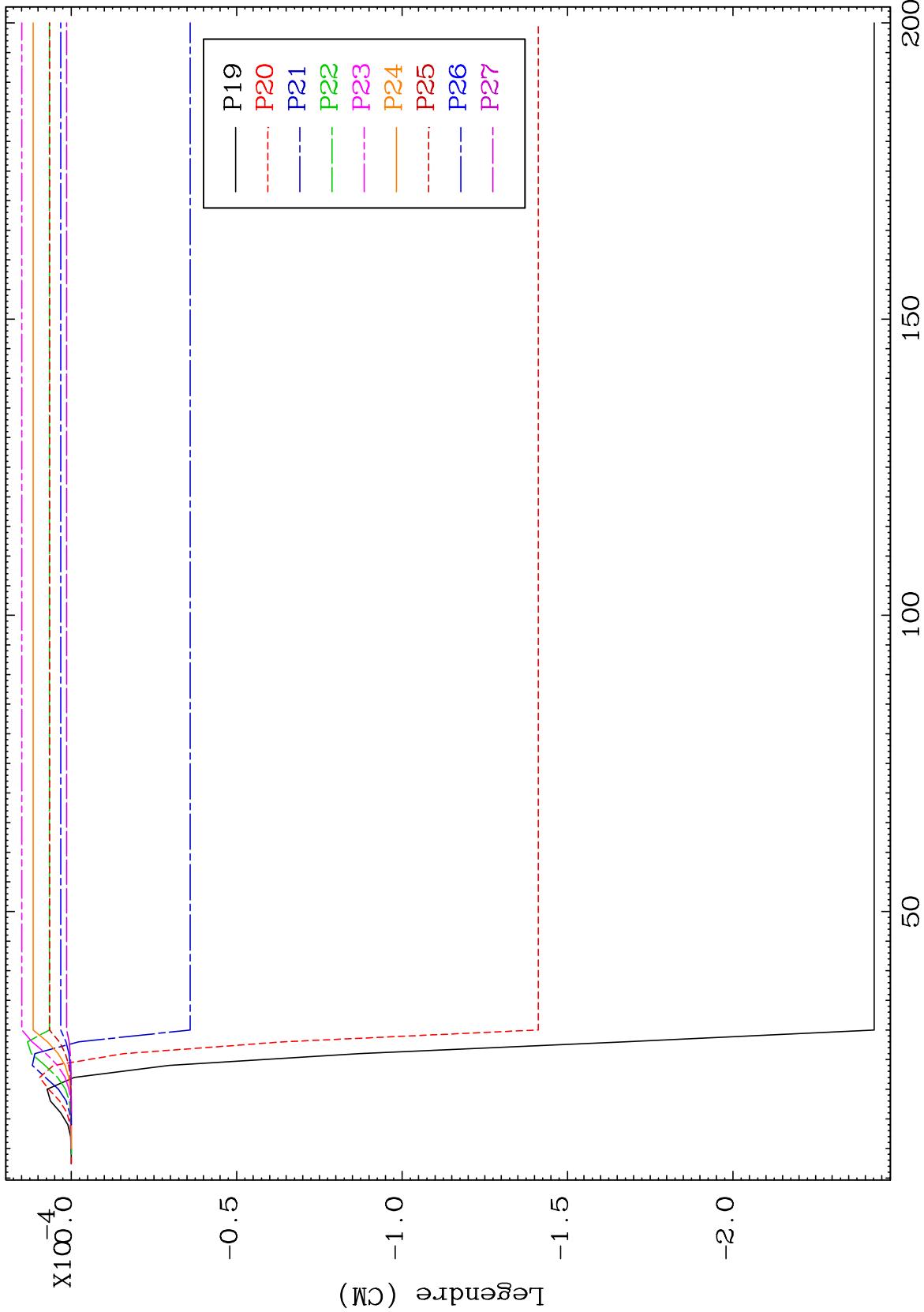
59-Pr-137

MAT 5913

MT= 66 (n,n') Level

59-Pr-137

Legendre Coefficients



82

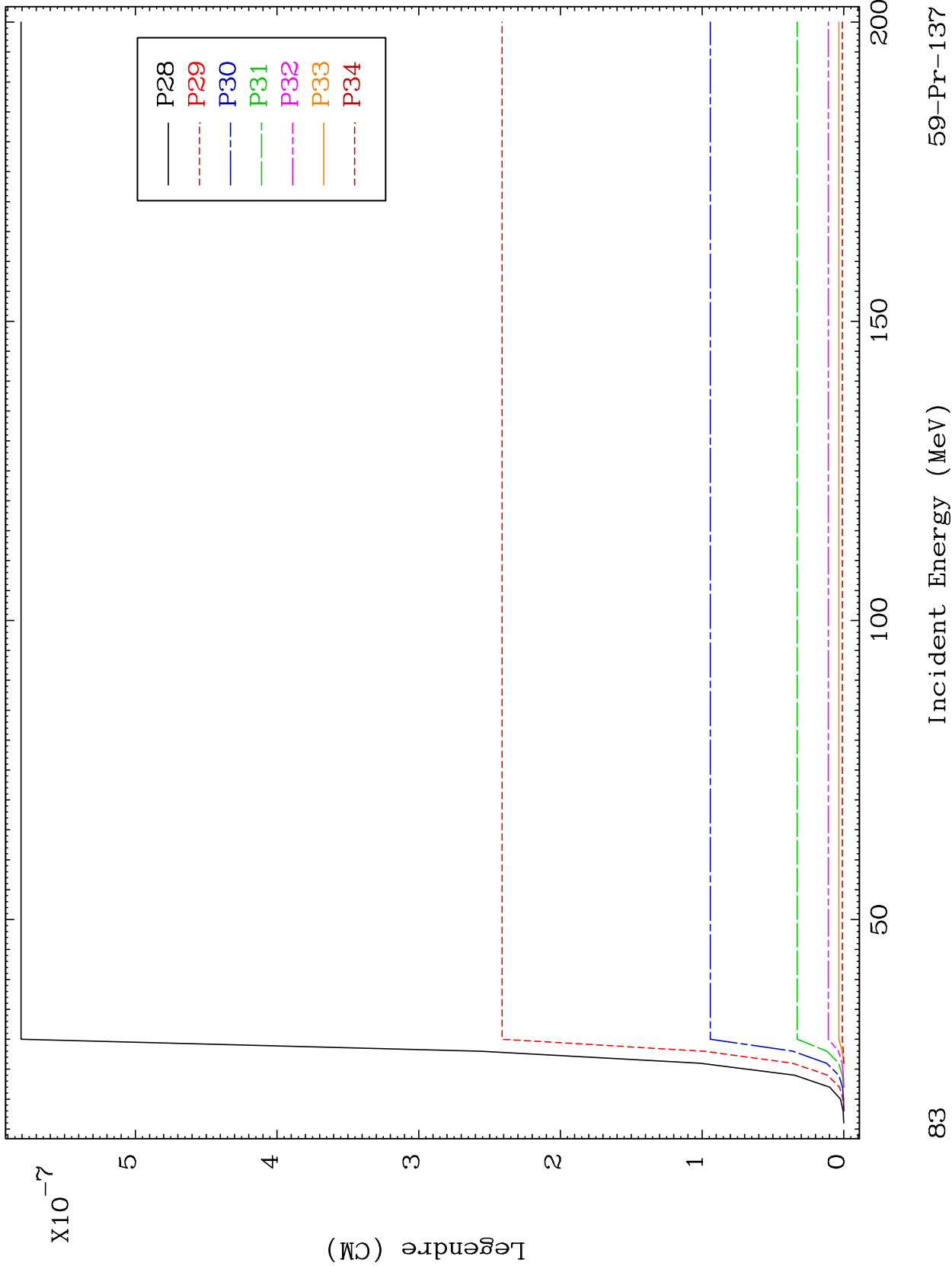
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

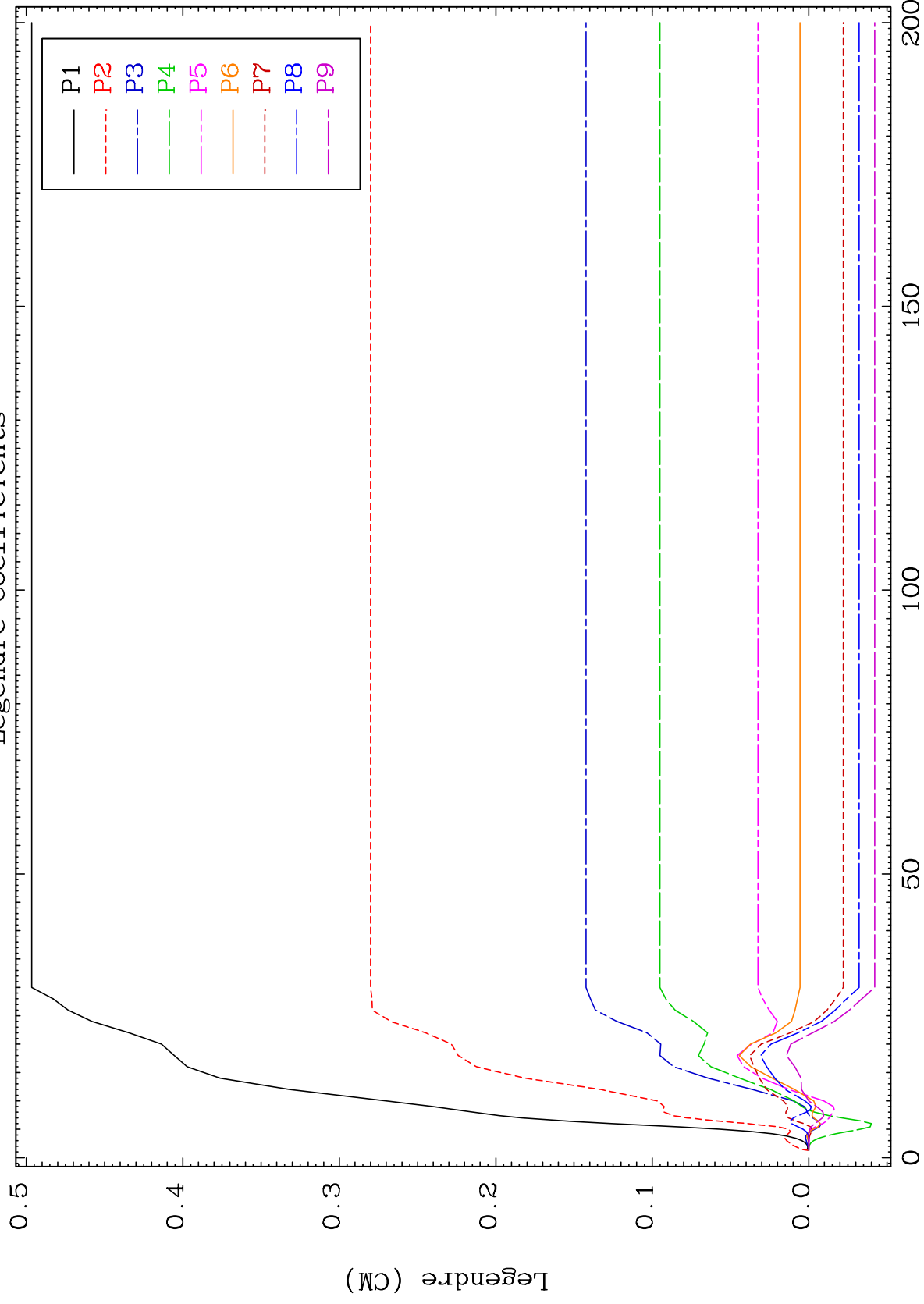
59-Pr-137



MAT 5913

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

59-Pr-137



59-Pr-137

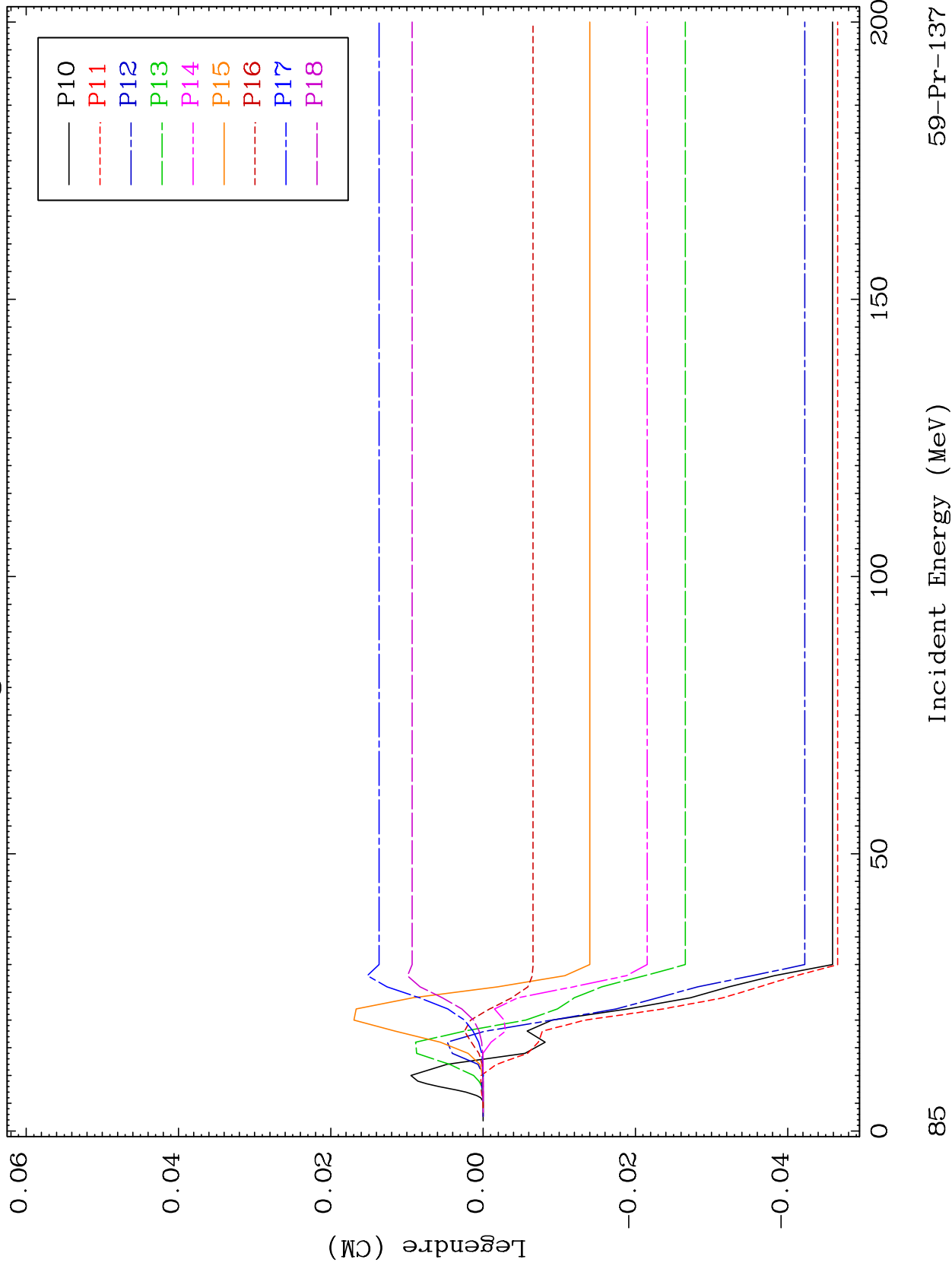
Incident Energy (MeV)

84

MAT 5913

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

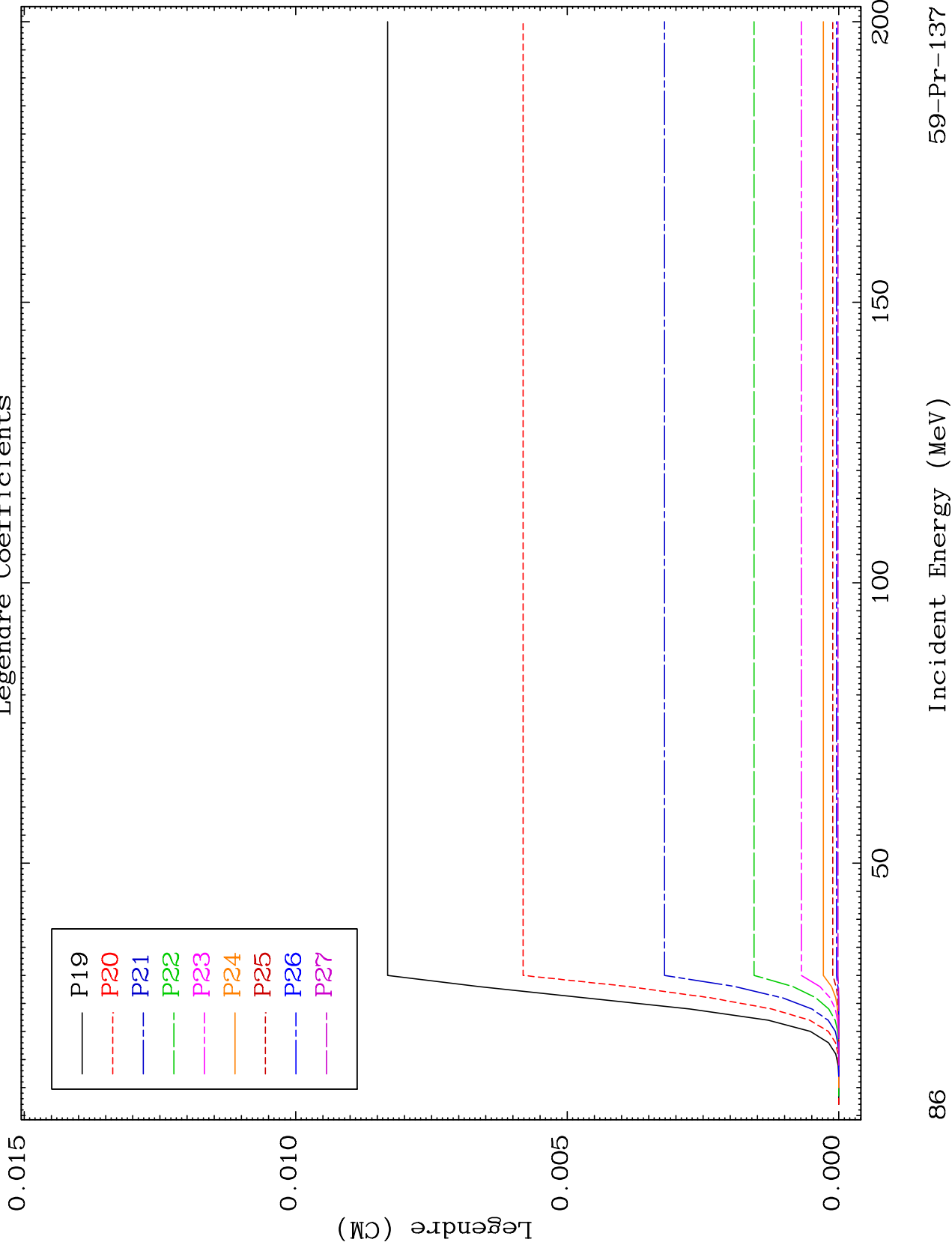
59-Pr-137



59-Pr-137

Incident Energy (MeV)

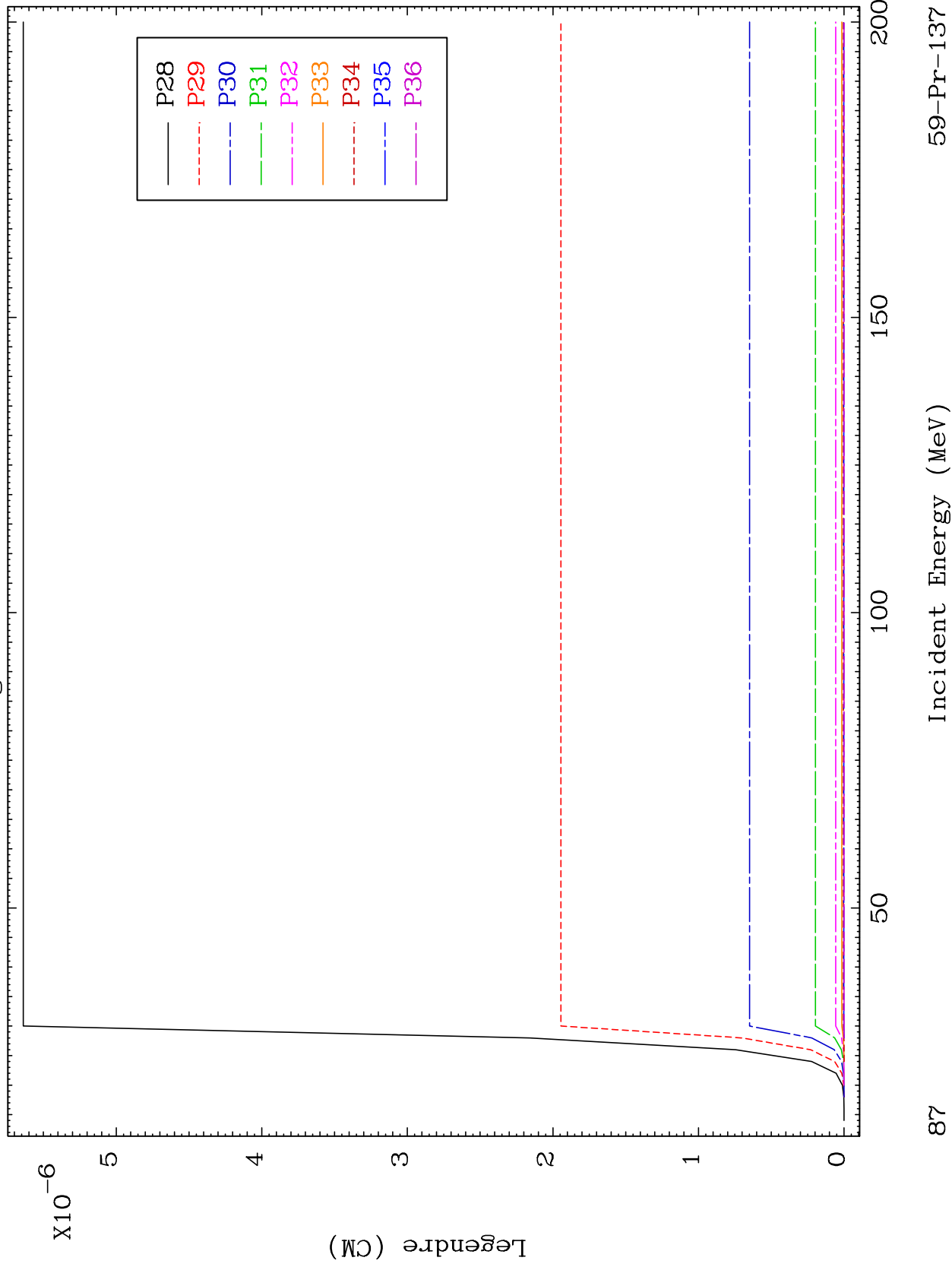
85



MAT 5913

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

59-Pr-137



87

Incident Energy (MeV)

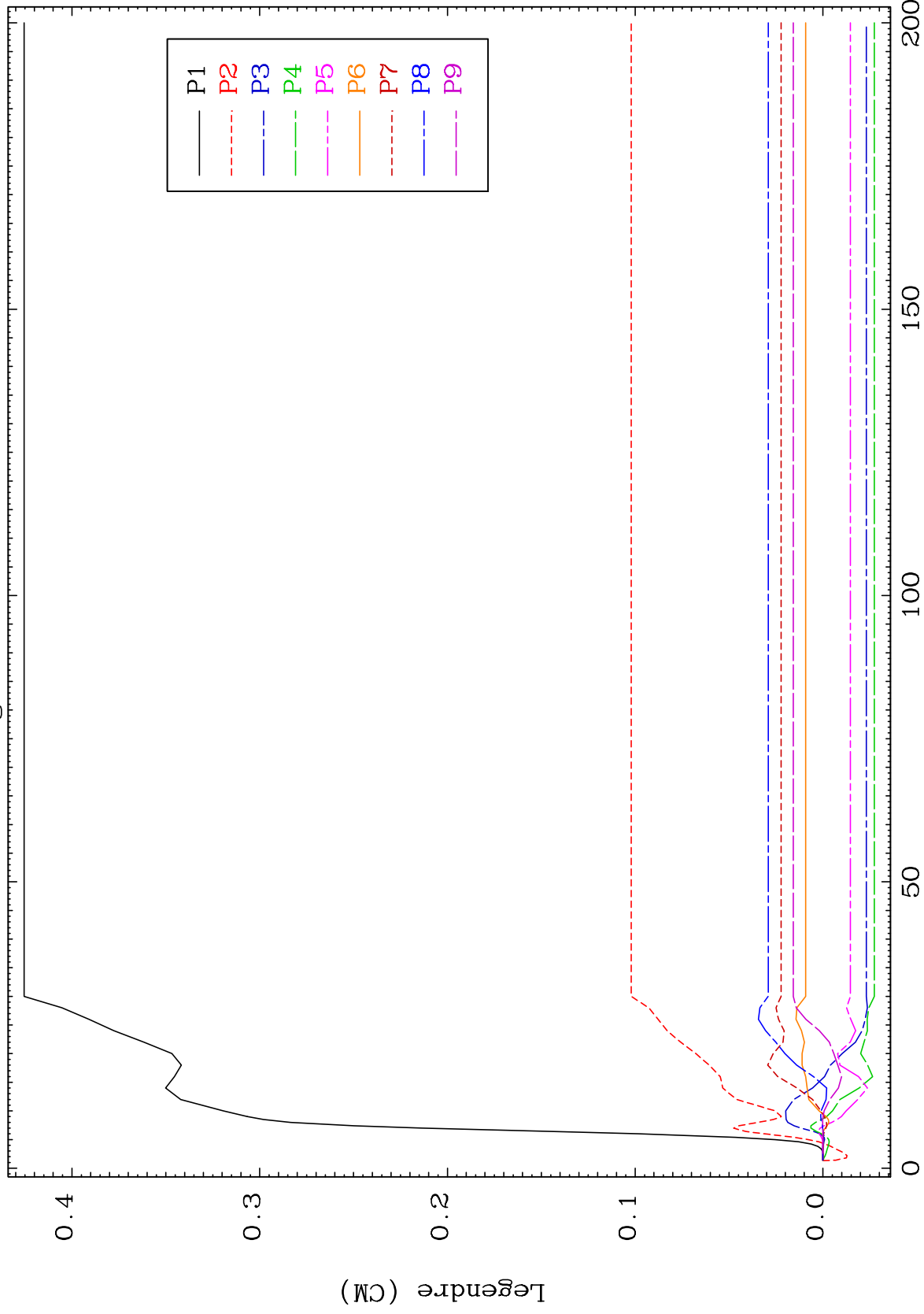
59-Pr-137



MAT 5913

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

59-Pr-137



88

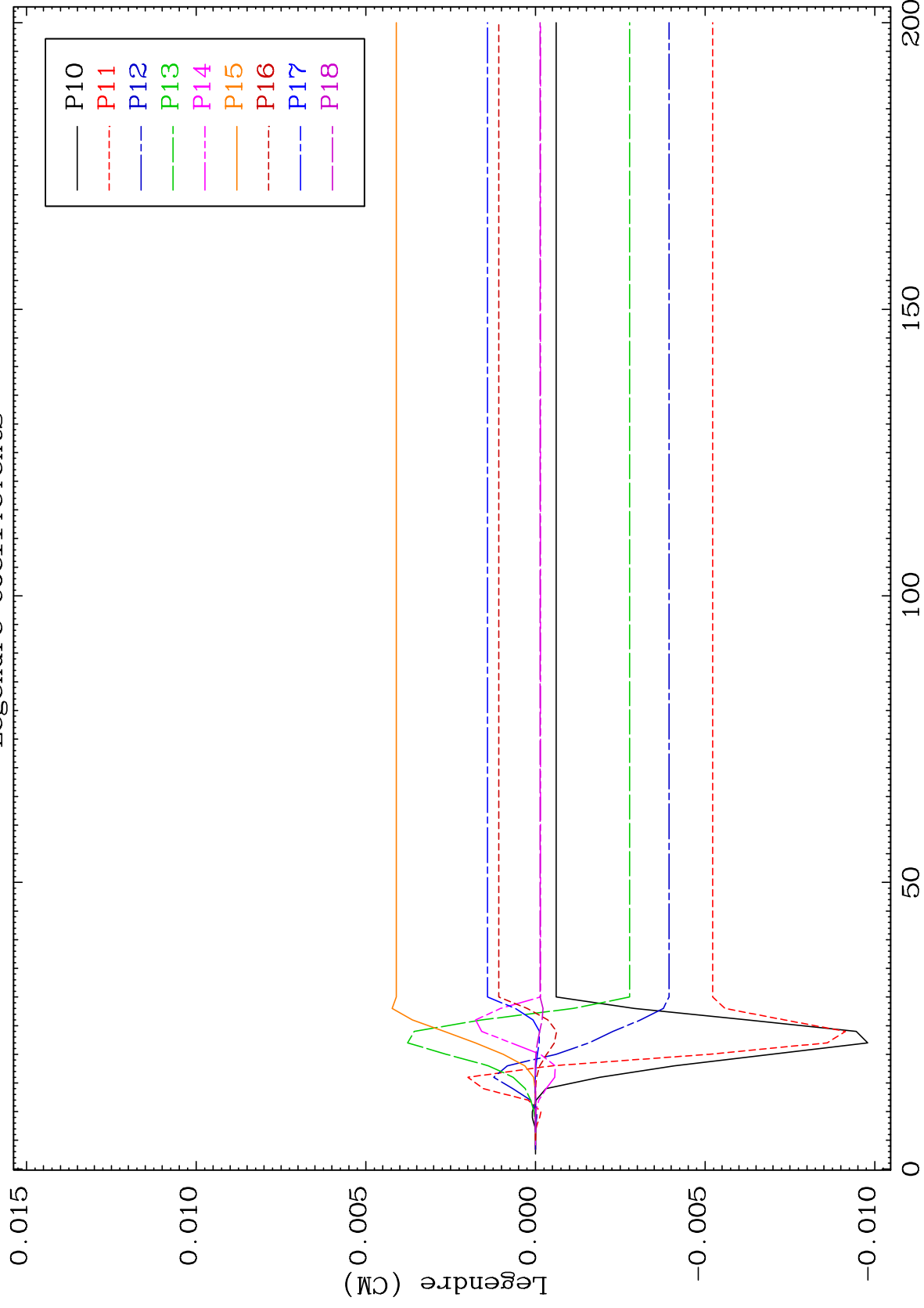
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



89

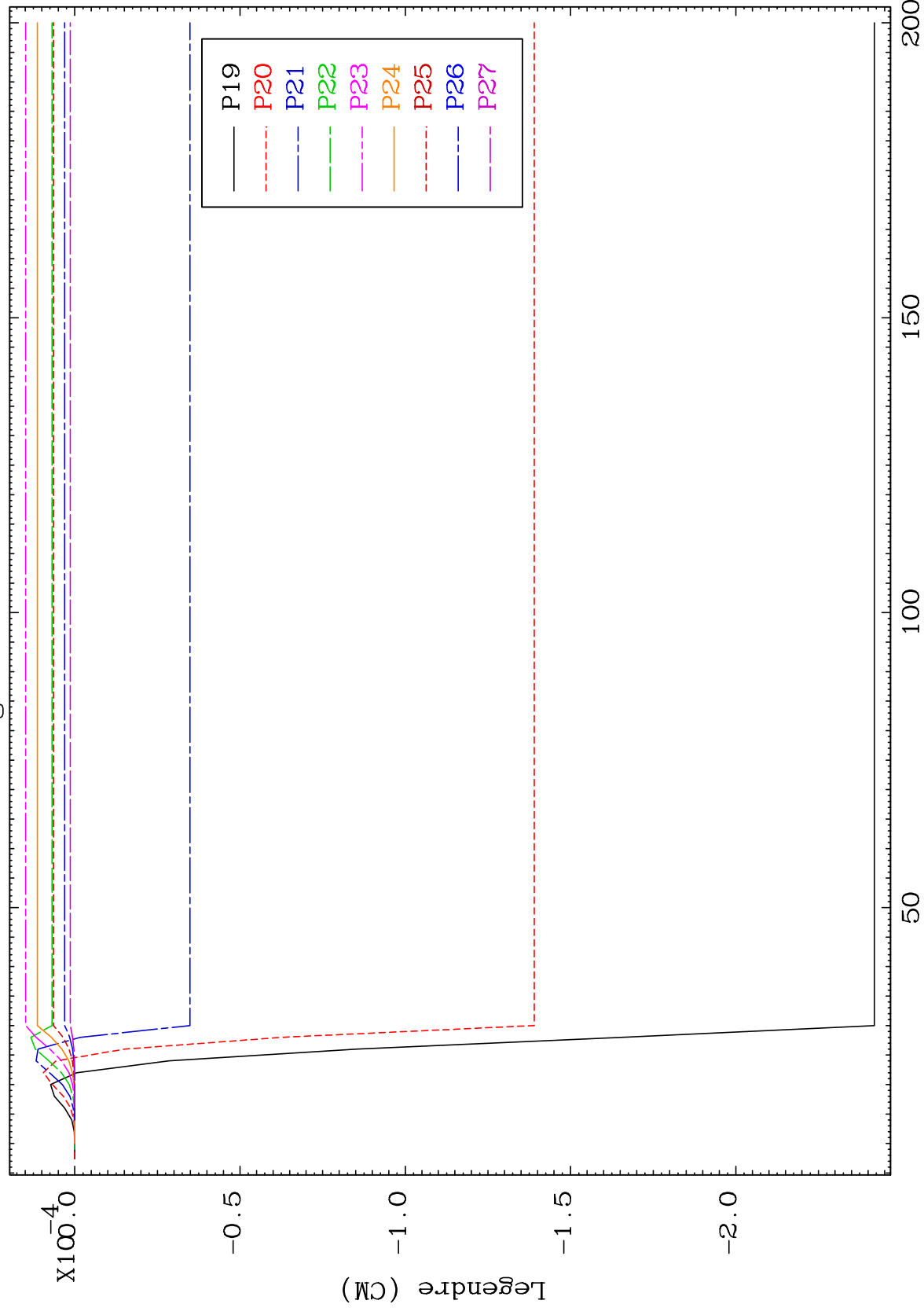
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



90

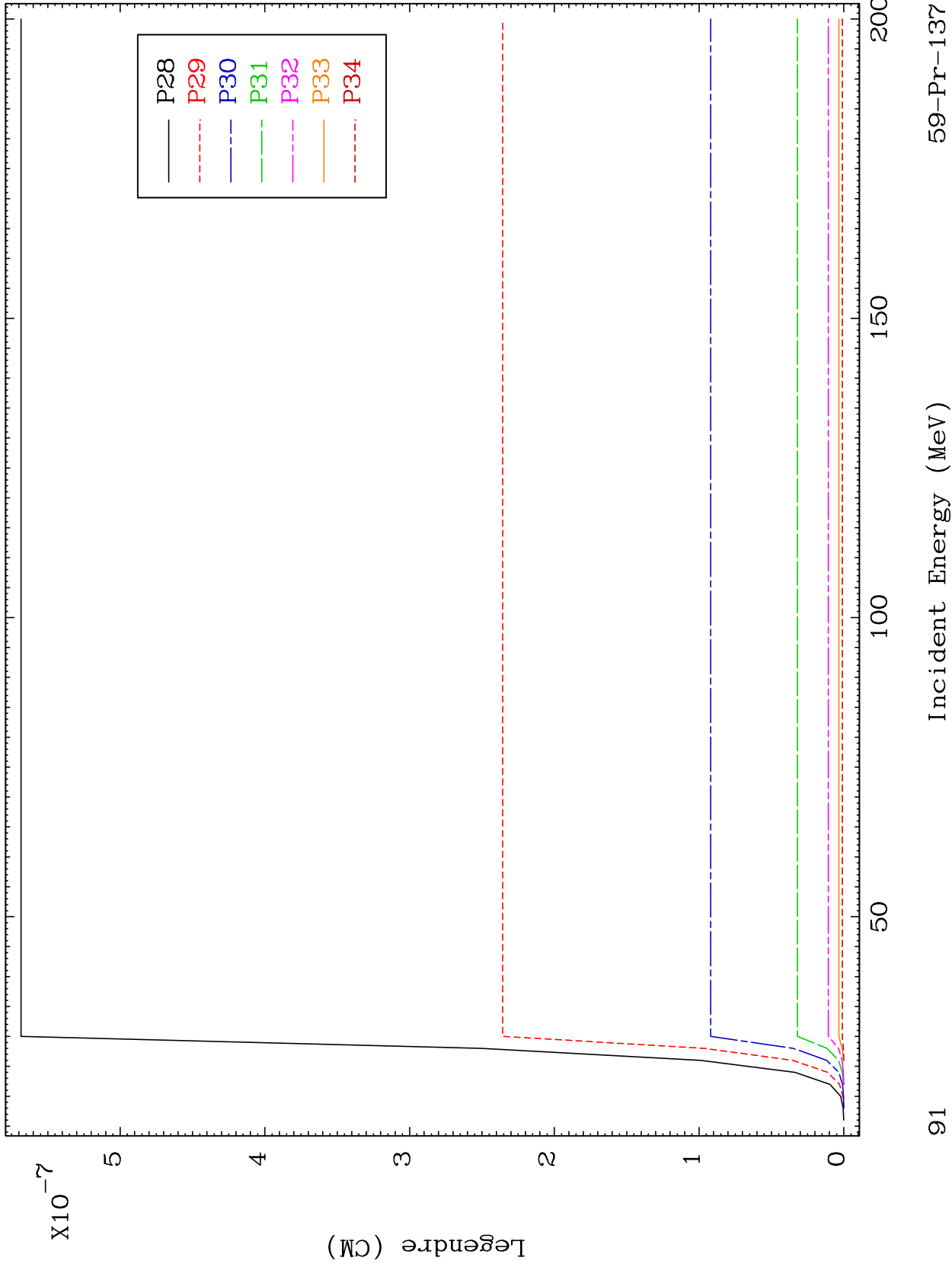
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

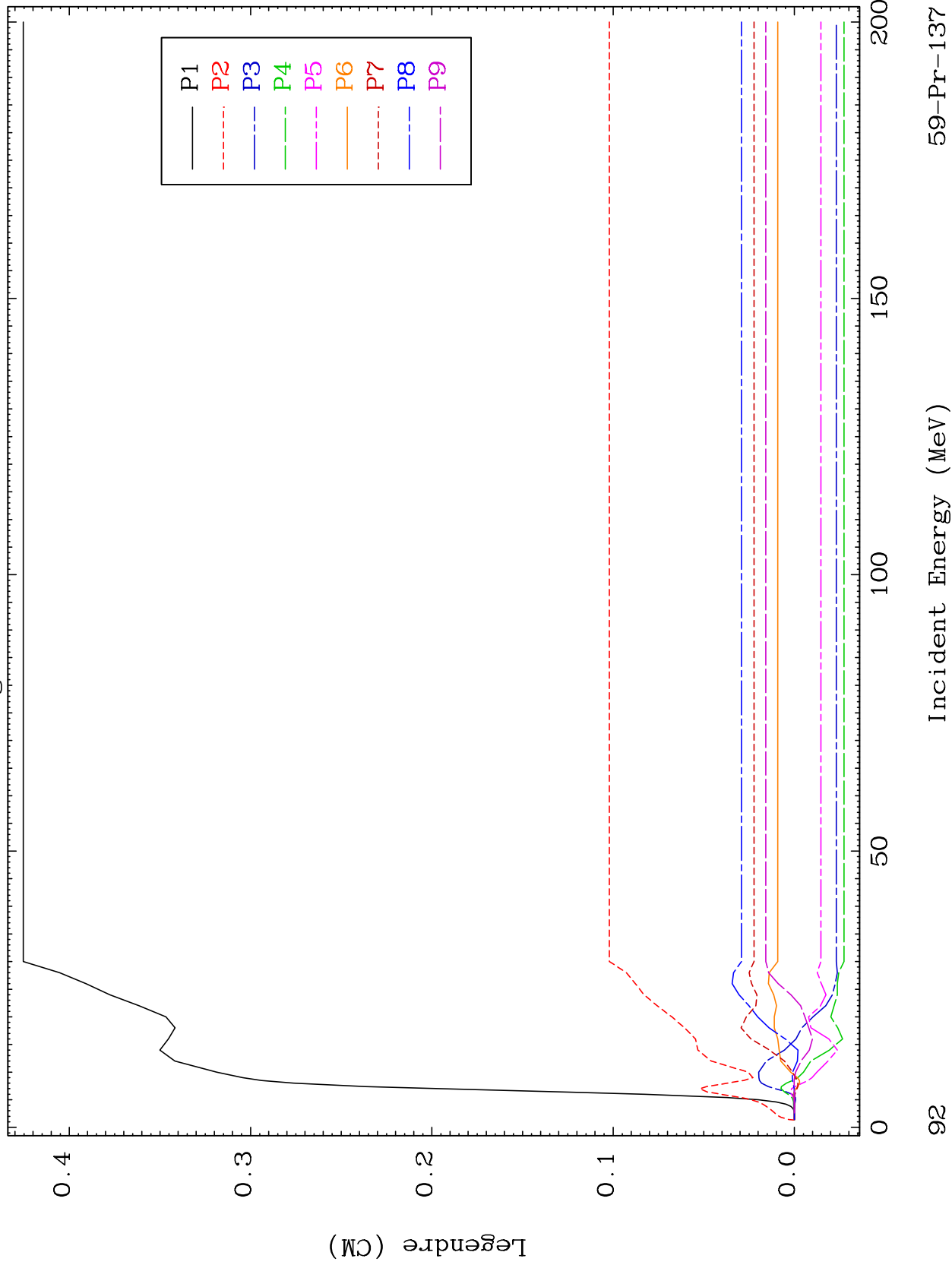
59-Pr-137



MAT 5913

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

59-Pr-137



59-Pr-137

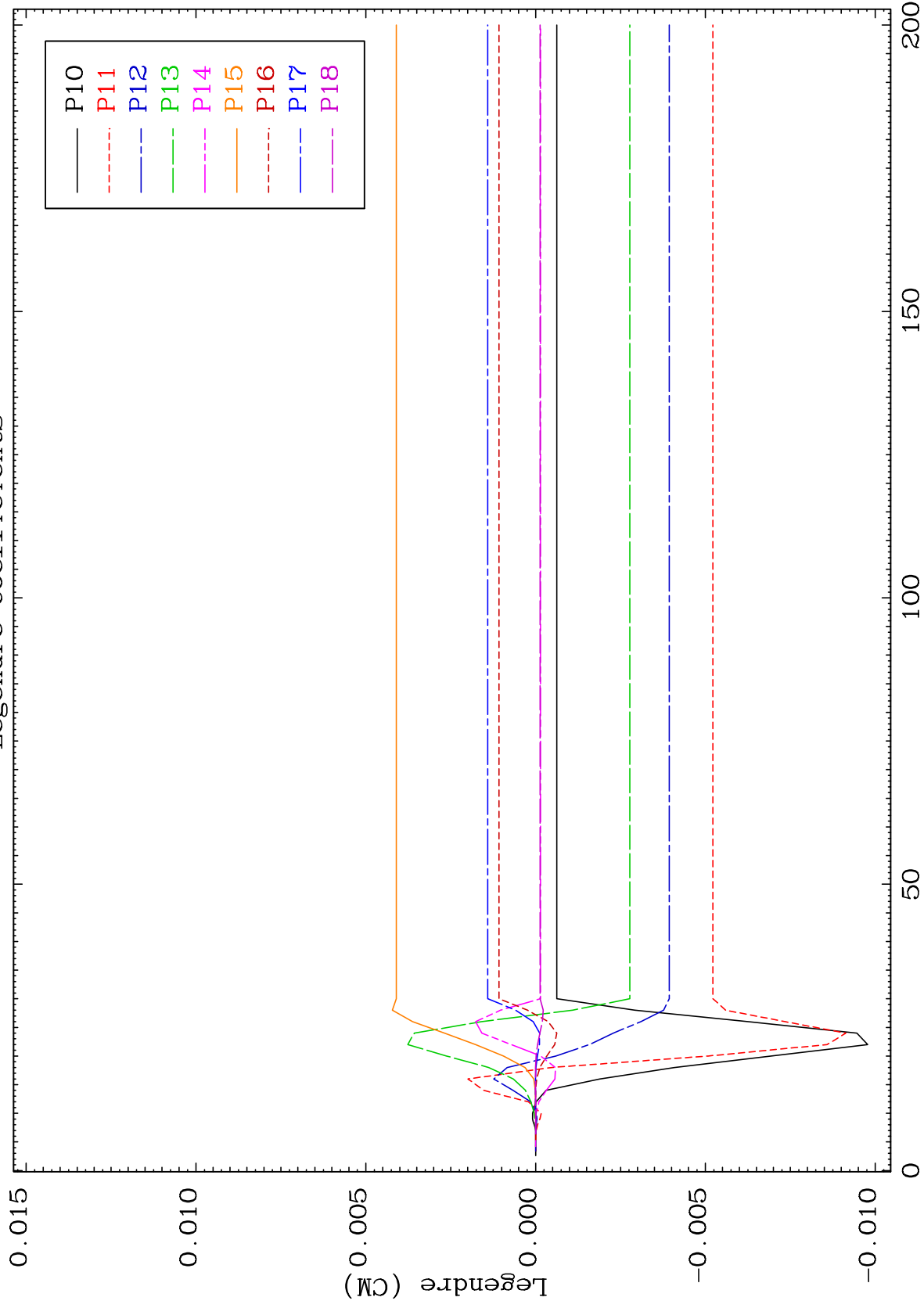
Incident Energy (MeV)

92

MAT 5913

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

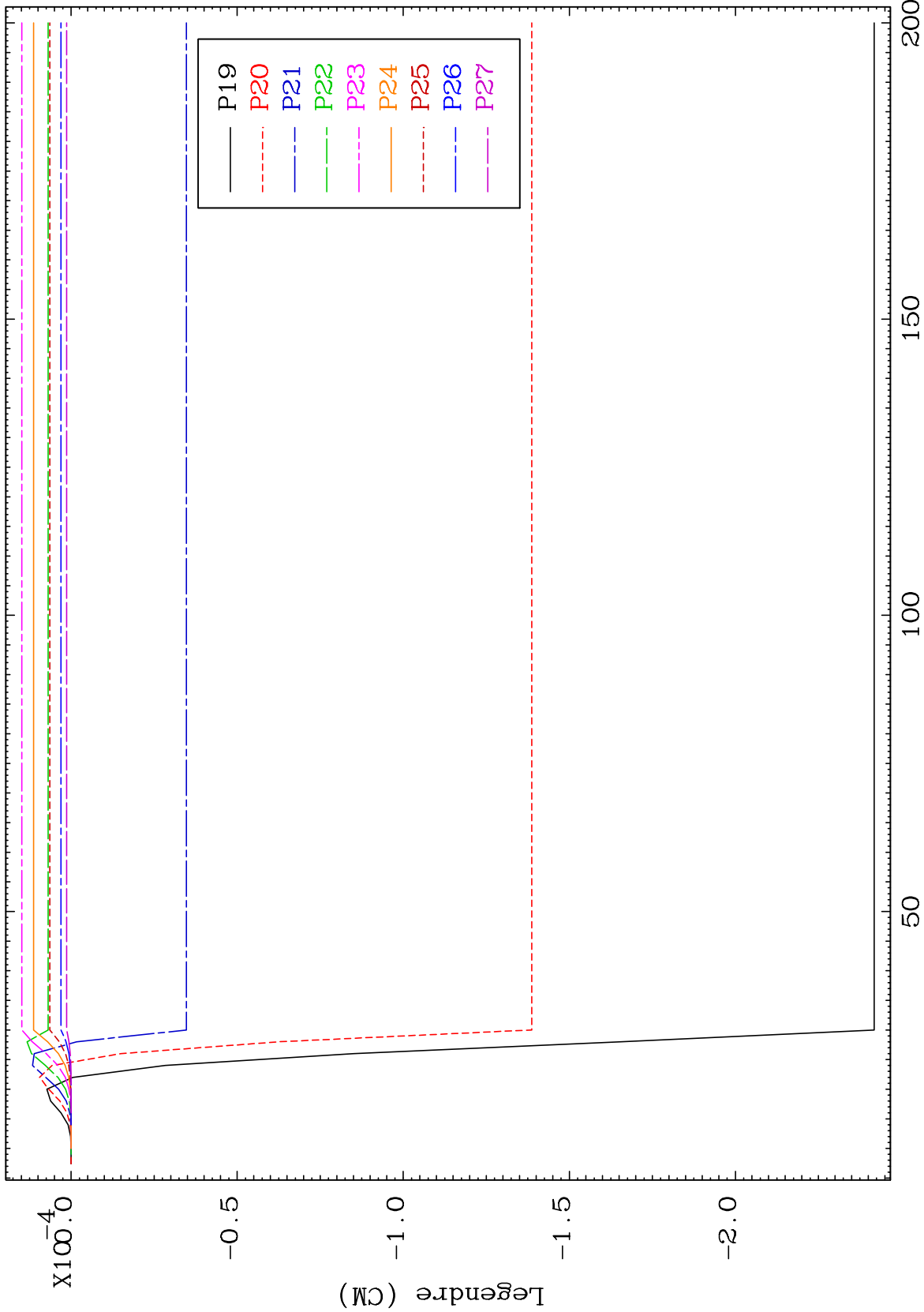
59-Pr-137



93

Incident Energy (MeV)

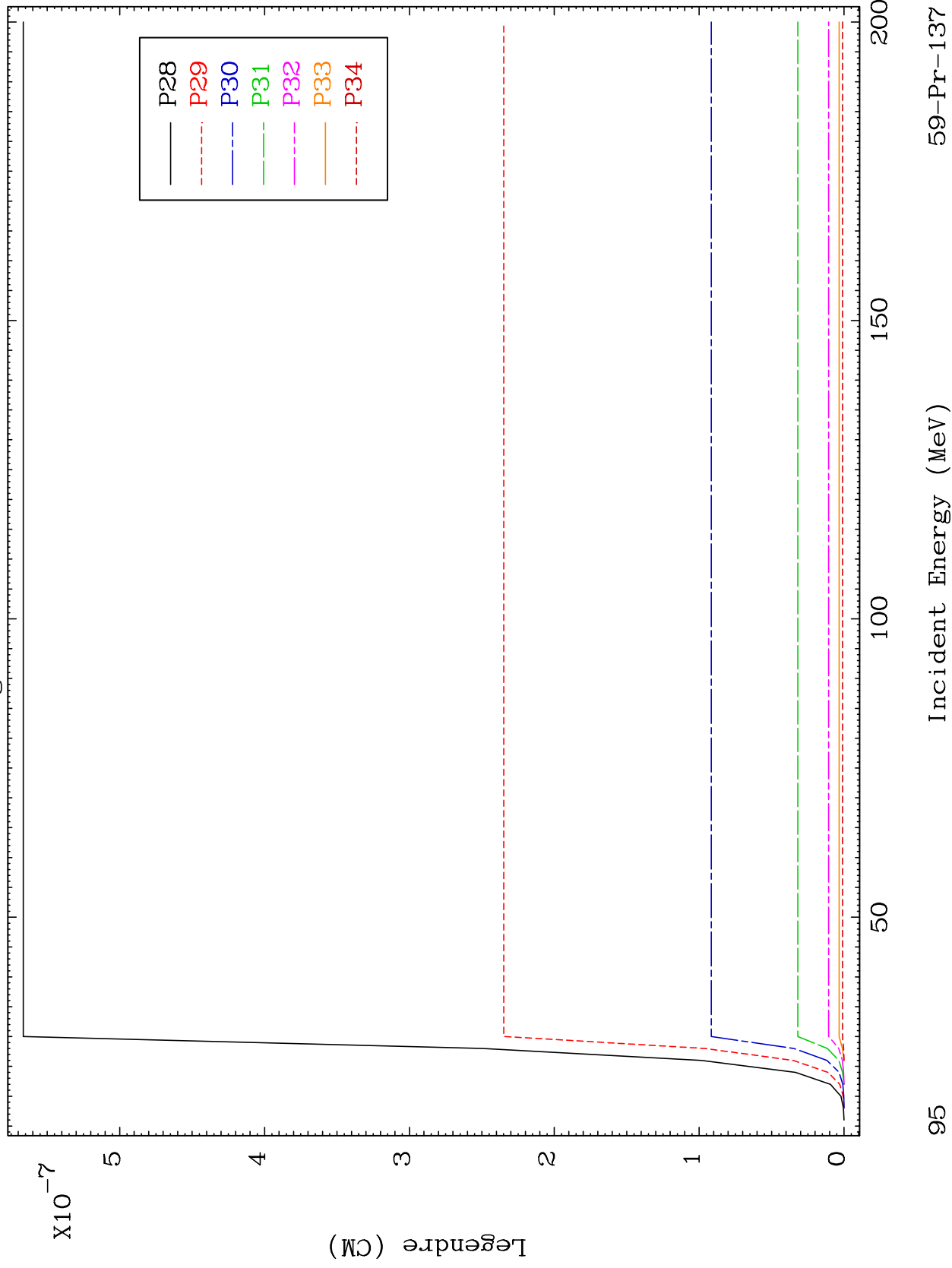
59-Pr-137



MAT 5913

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

59-Pr-137

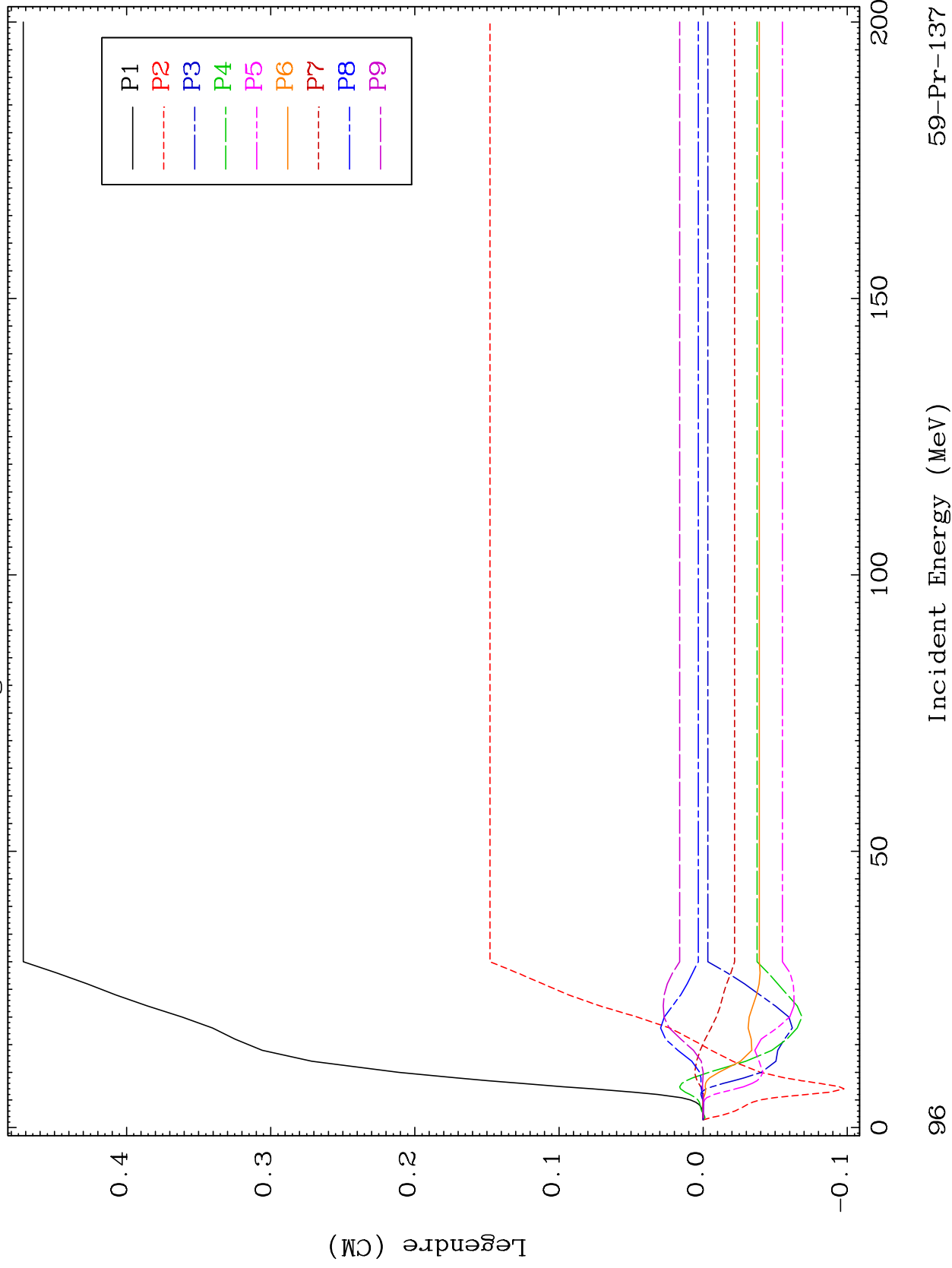




MAT 5913

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

59-Pr-137

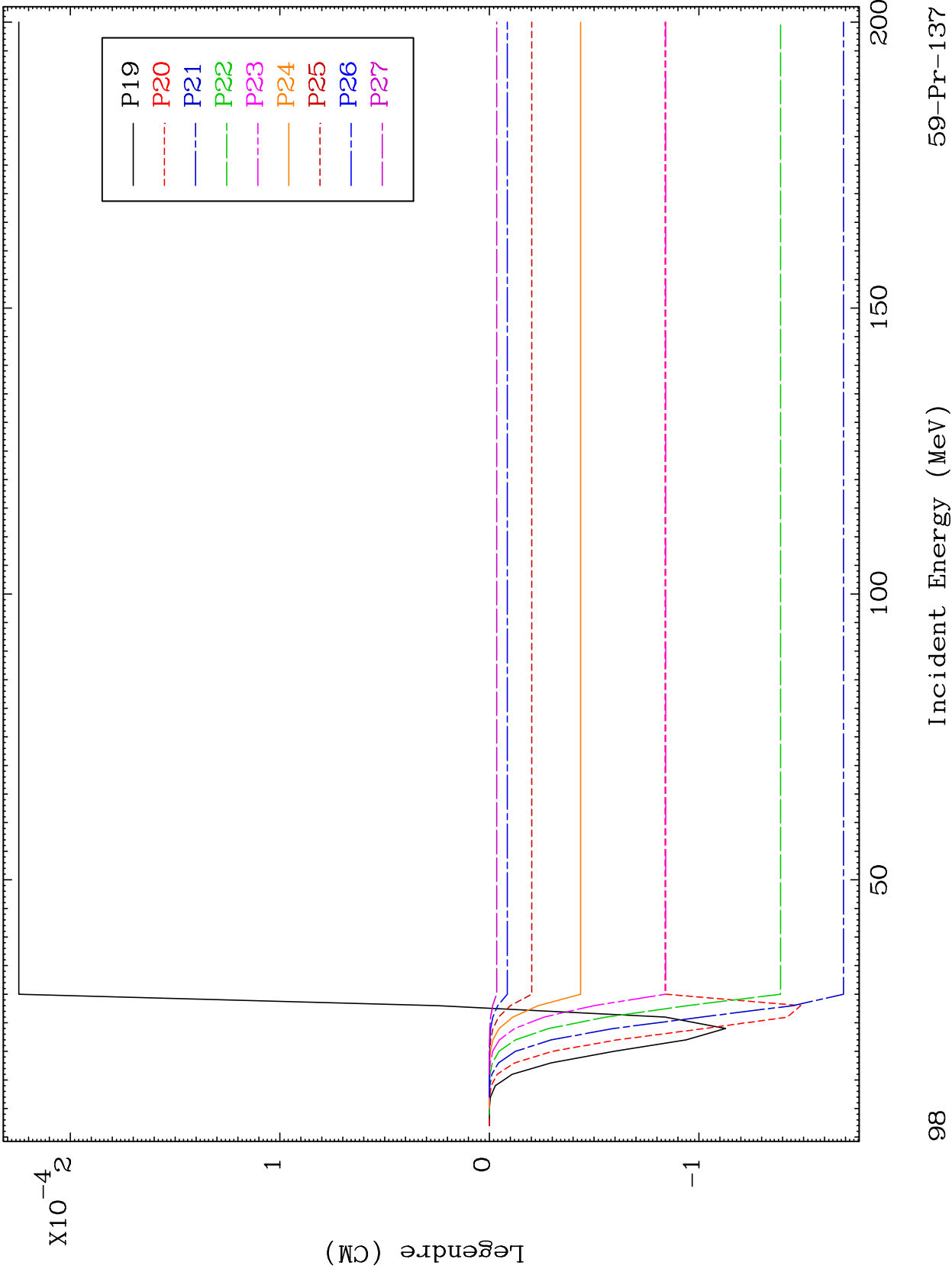


59-Pr-137

Incident Energy (MeV)

96

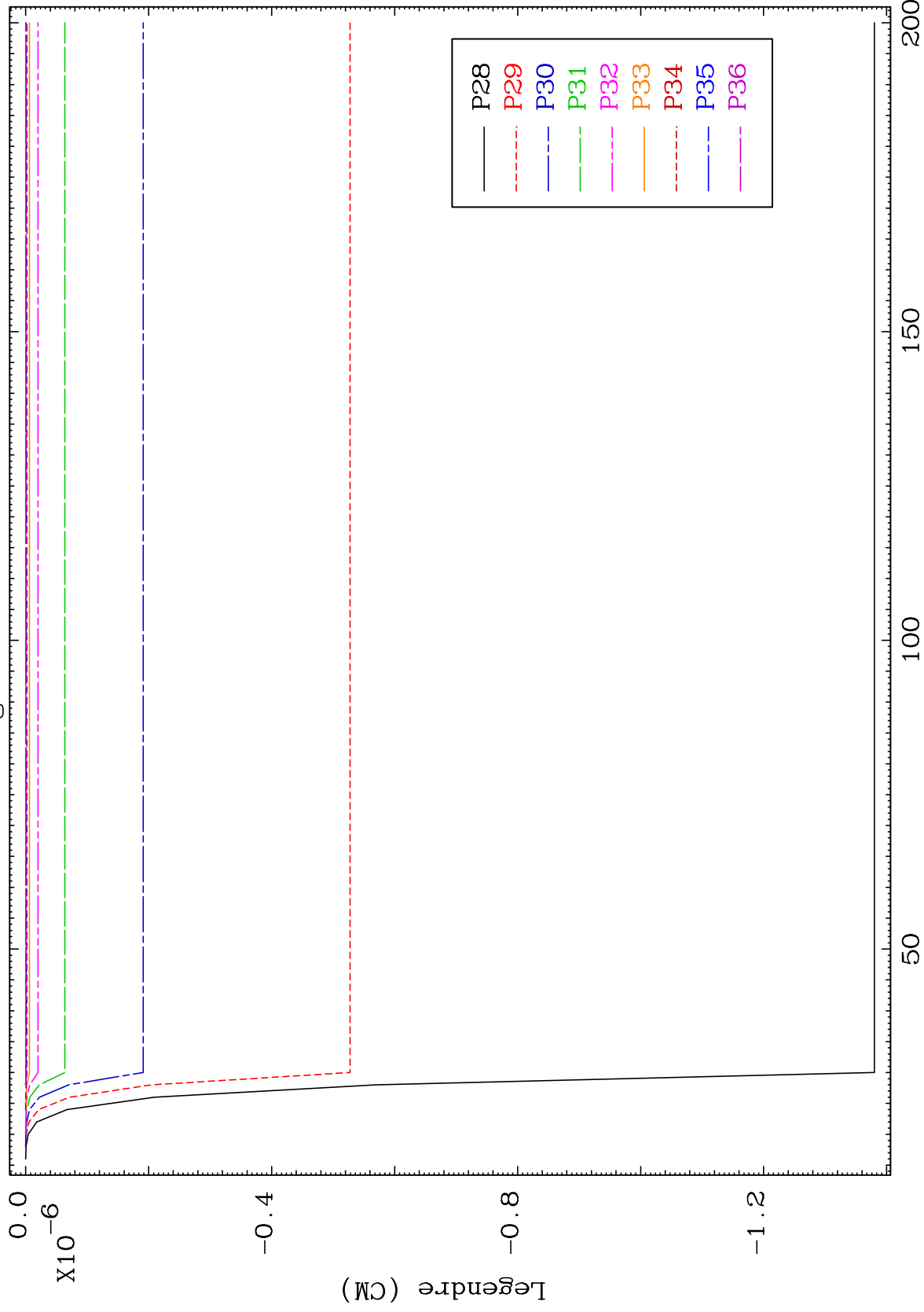


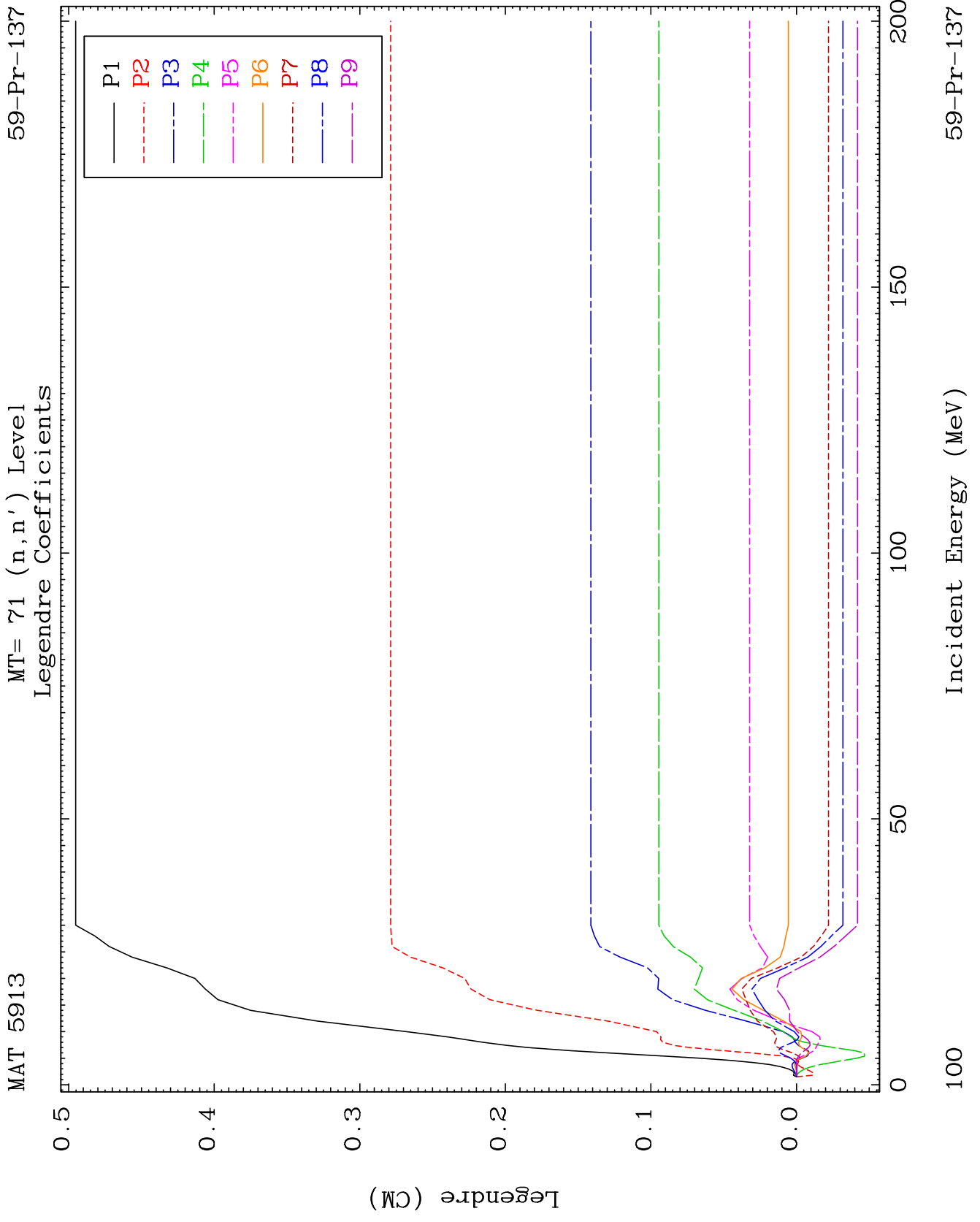


MAT 5913

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

59-Pr-137

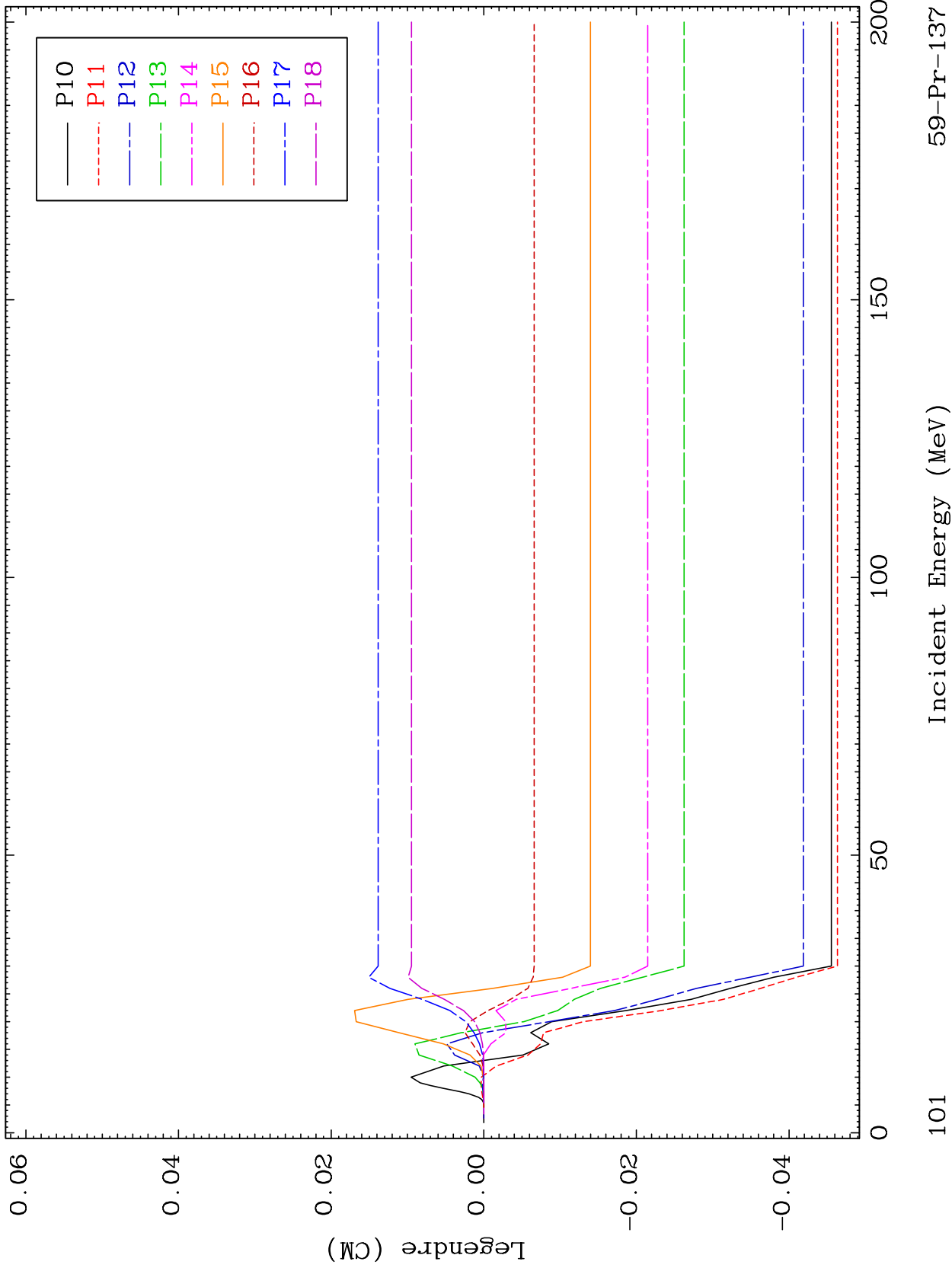




MAT 5913

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

59-Pr-137



101

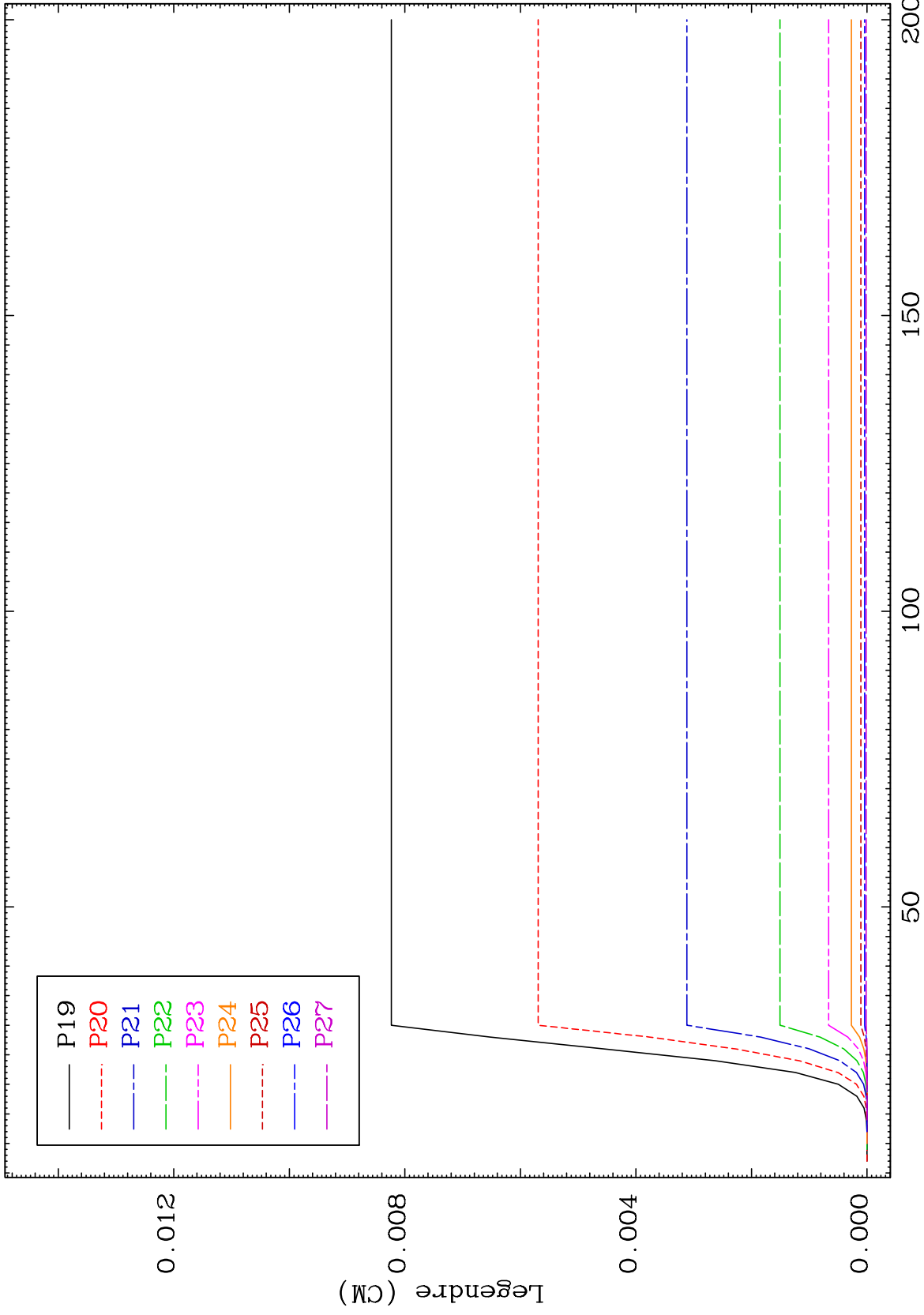
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



102

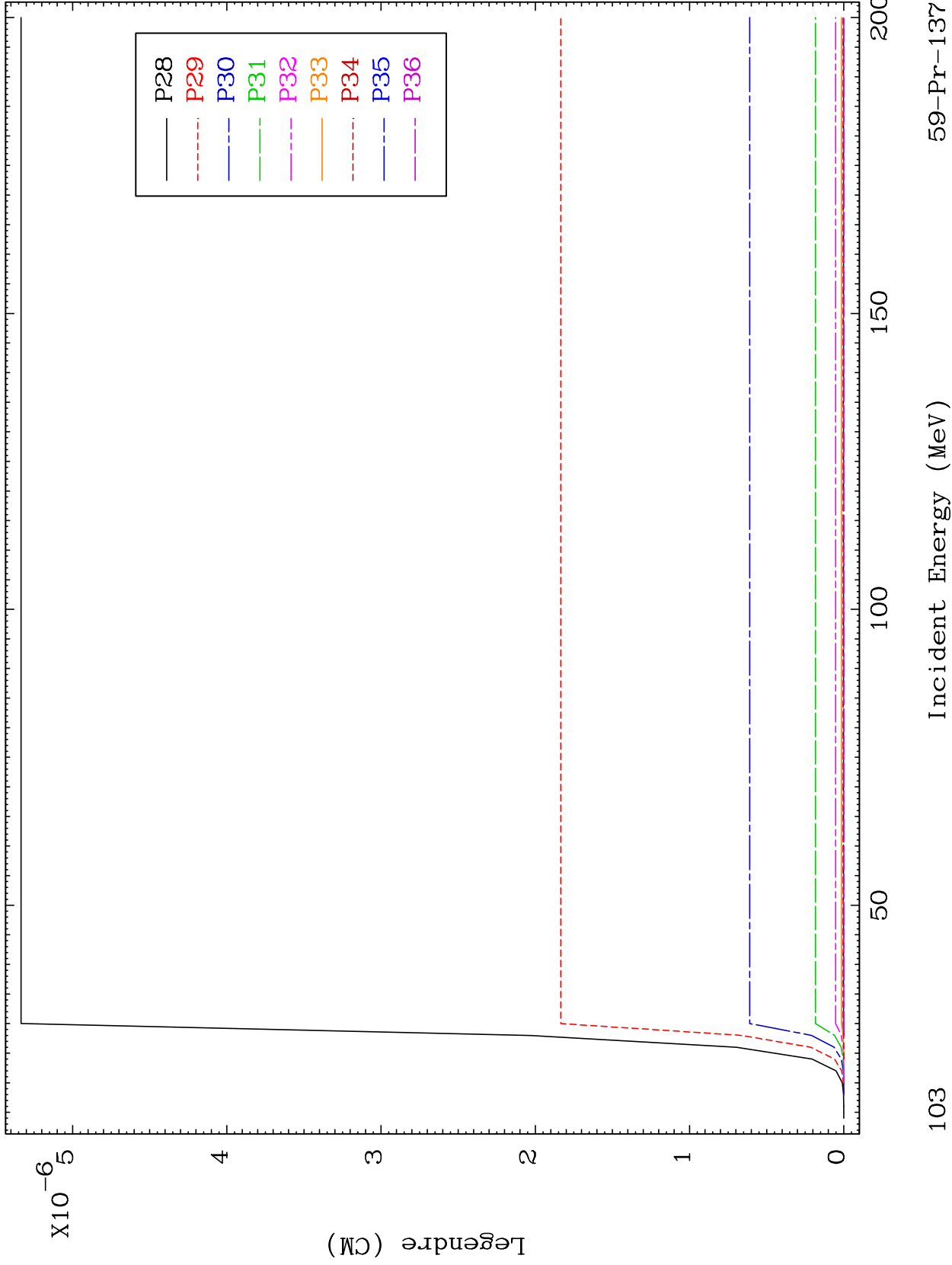
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



103

Incident Energy (MeV)

59-Pr-137

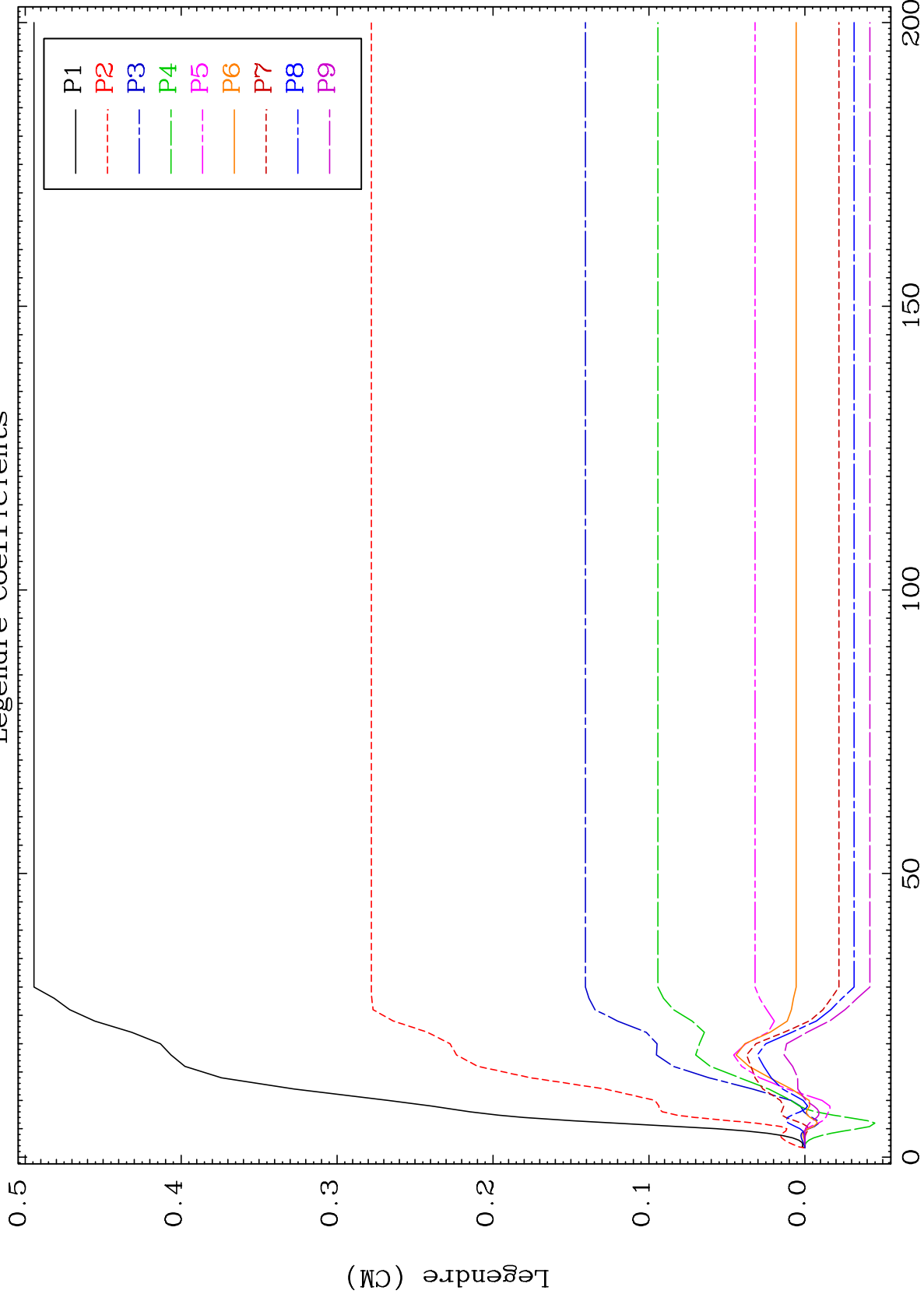


MAT 5913

MT= 72 (n,n') Level

59-Pr-137

Legendre Coefficients



104

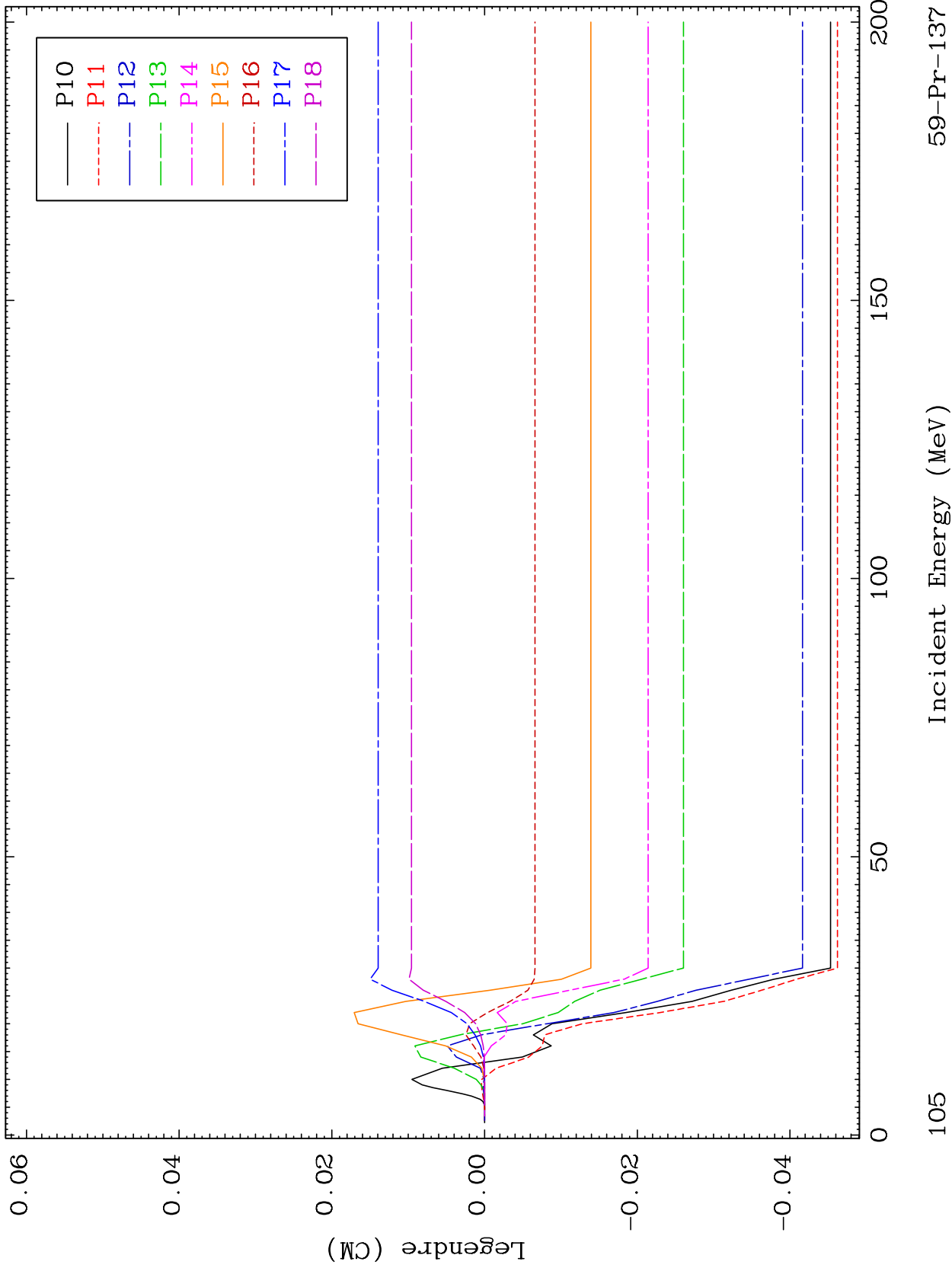
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



59-Pr-137

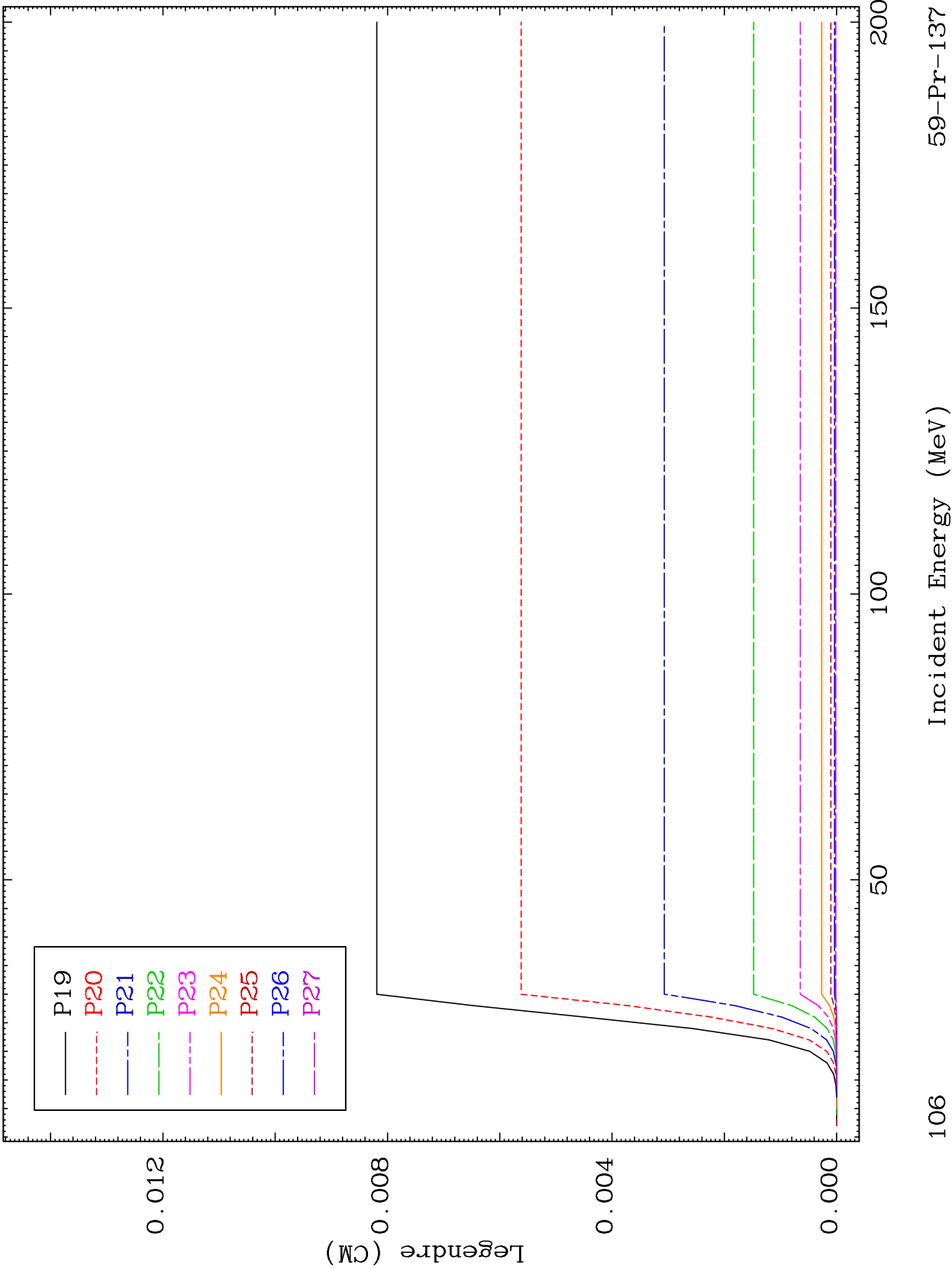
Incident Energy (MeV)

105

MAT 5913

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

59-Pr-137



106

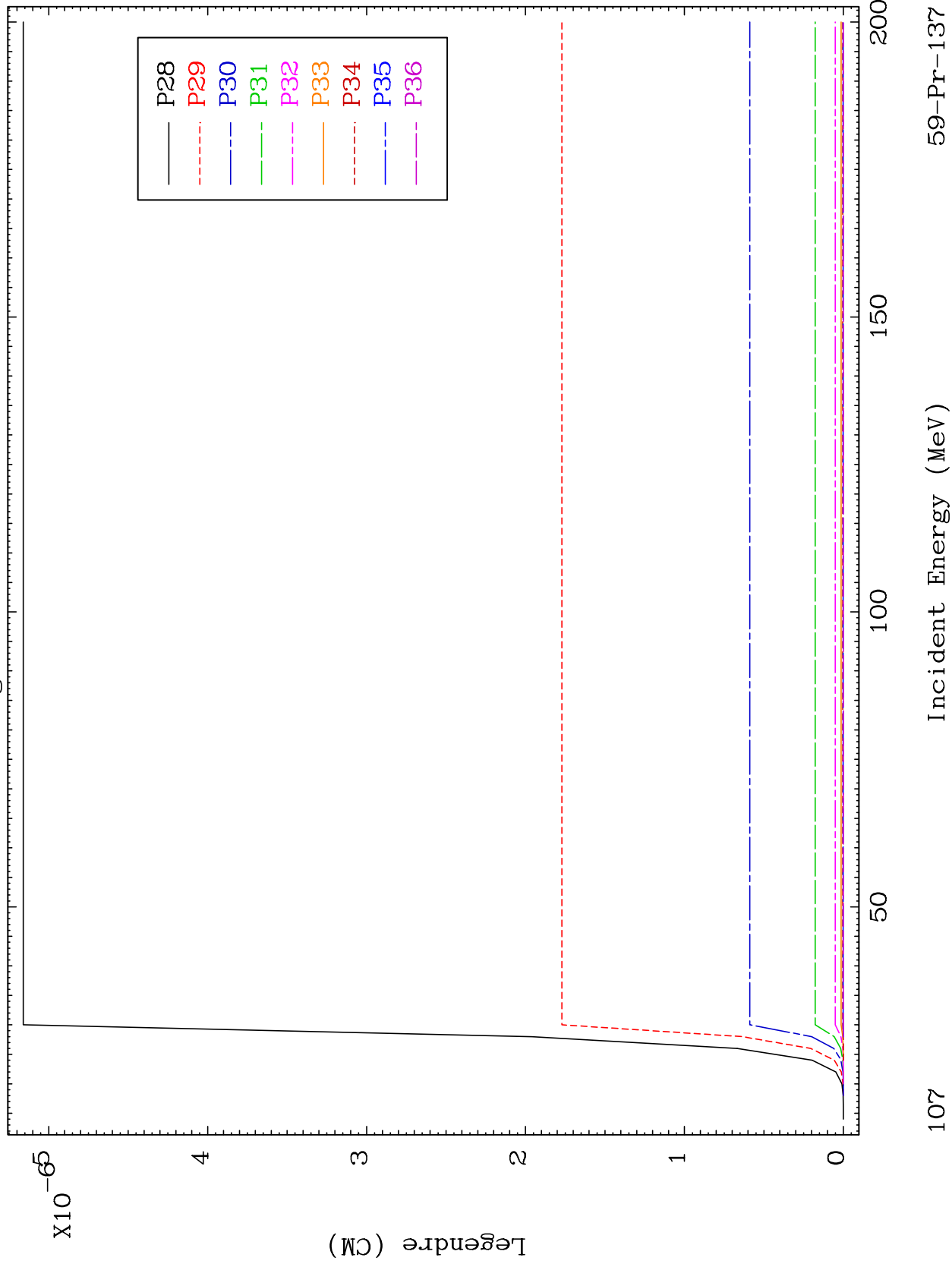
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137

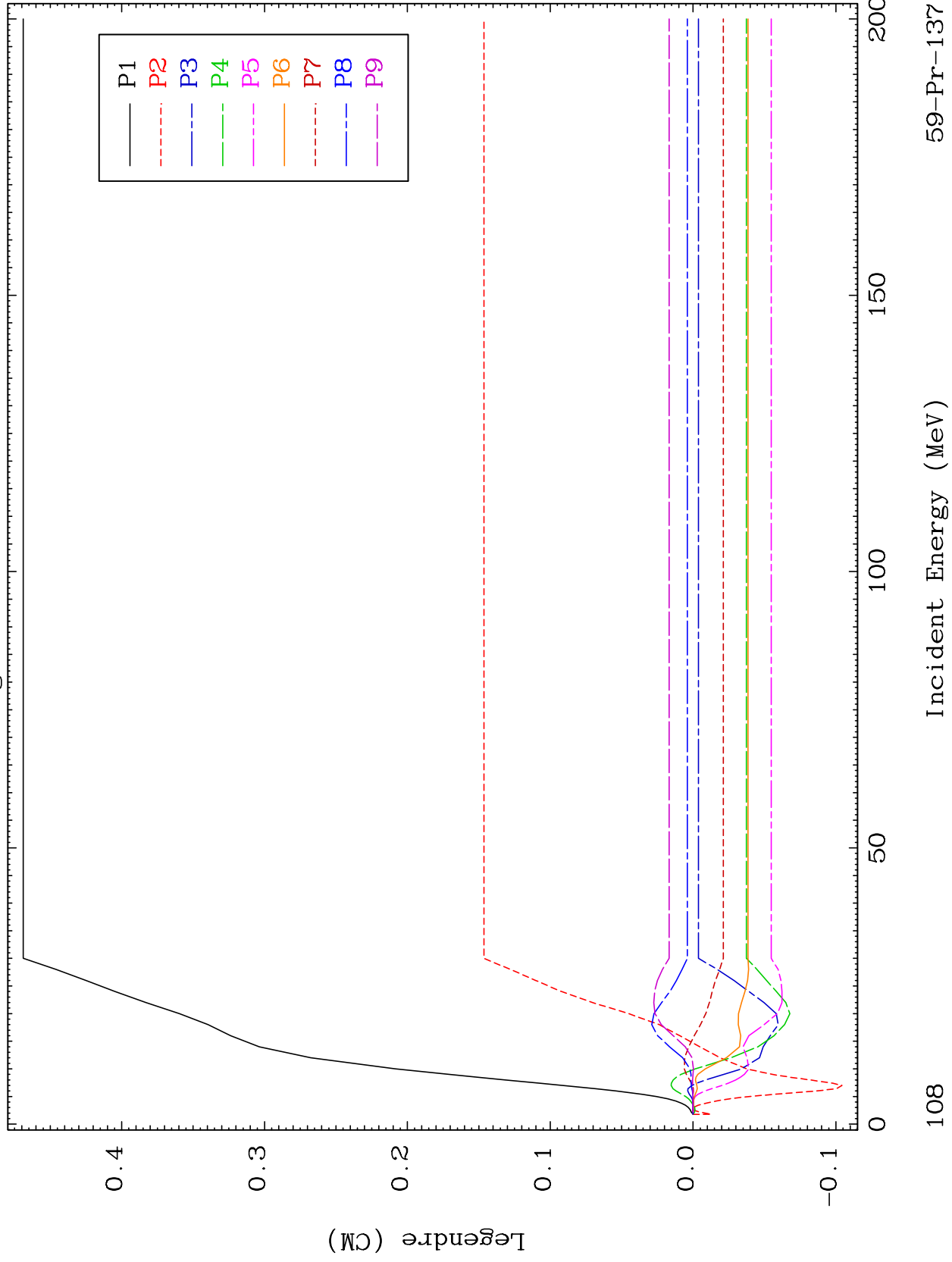


107

MAT 5913

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

59-Pr-137



59-Pr-137

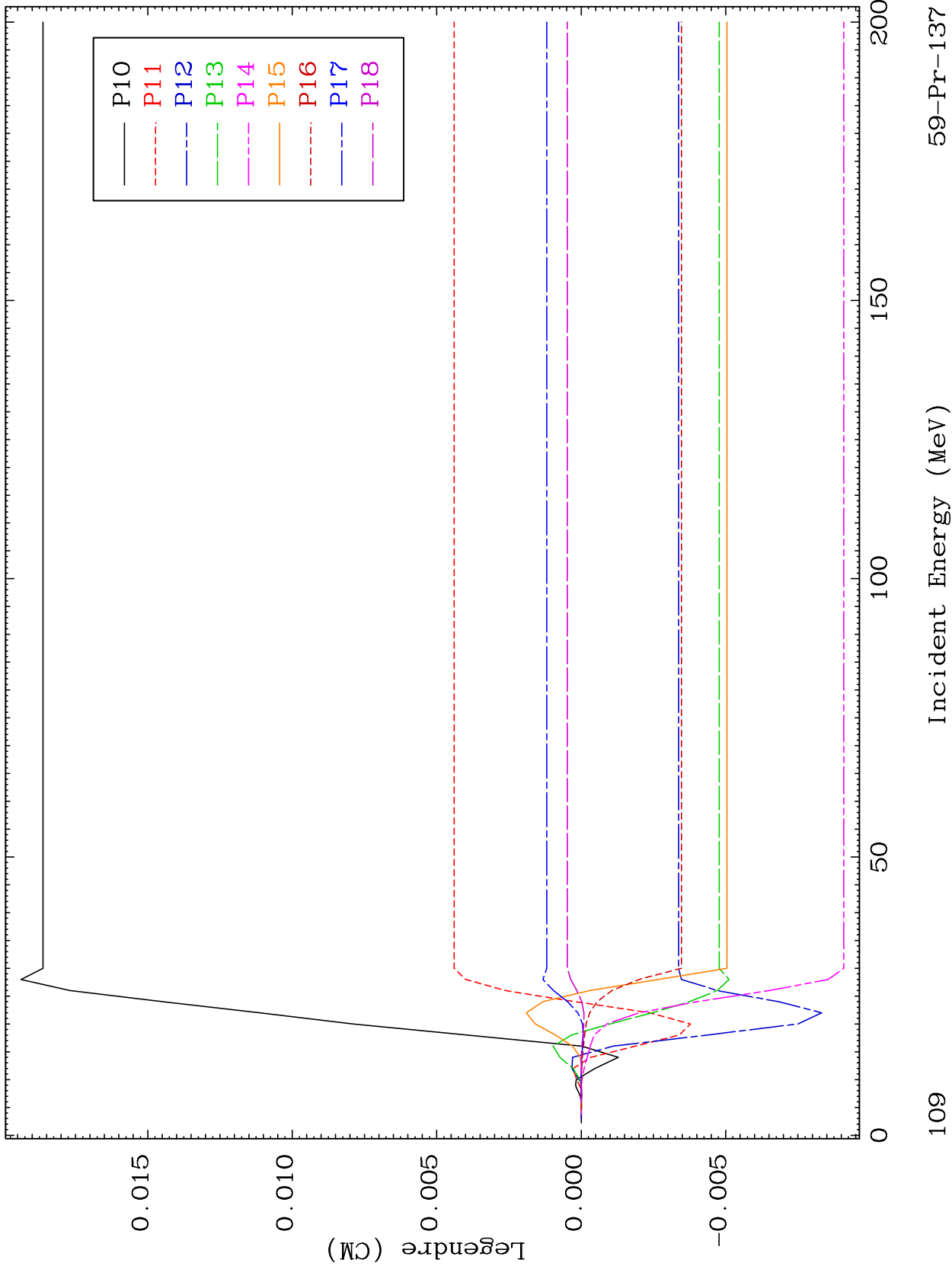
Incident Energy (MeV)

108

MAT 5913

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

59-Pr-137



59-Pr-137

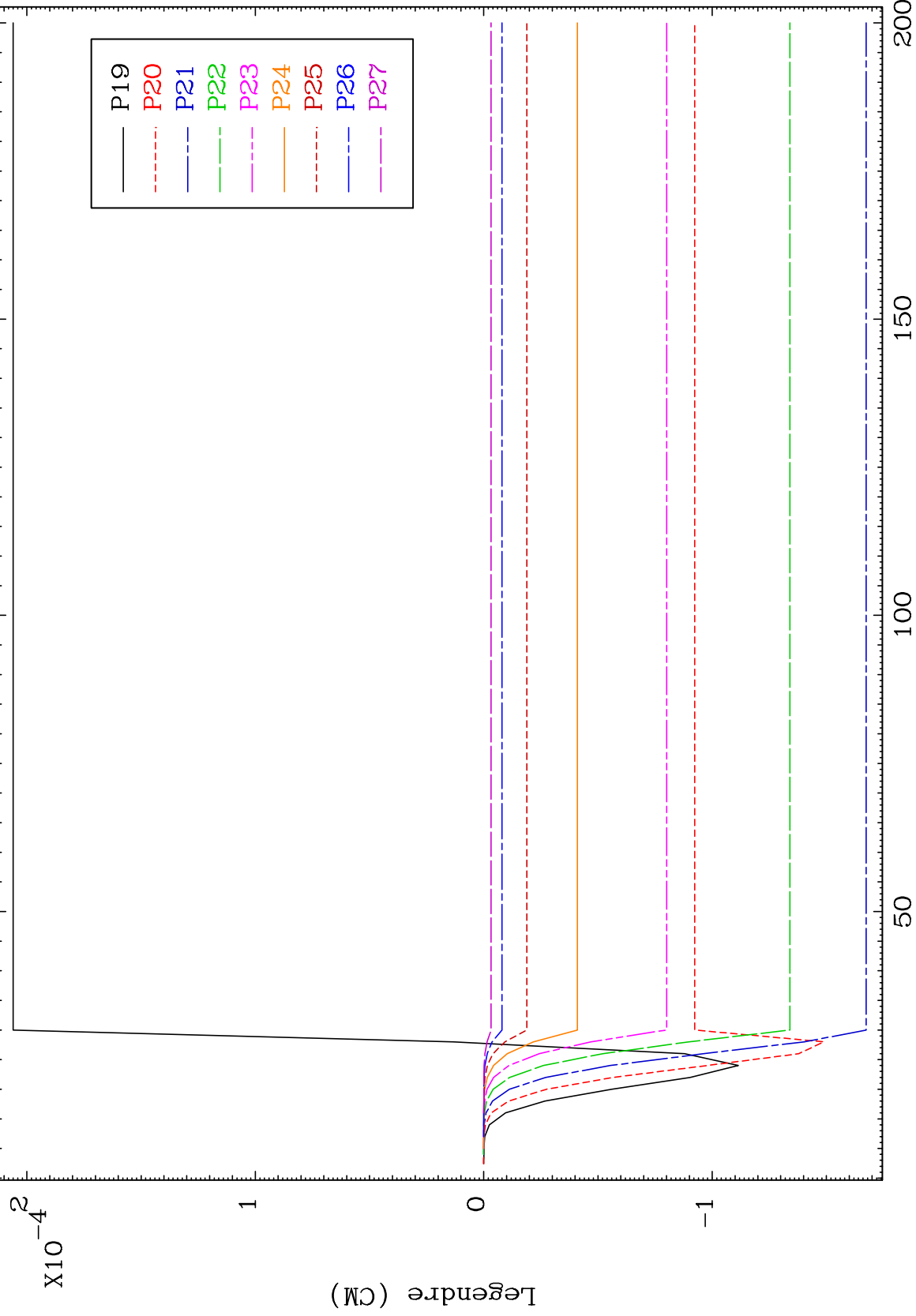
Incident Energy (MeV)

109

MAT 5913

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

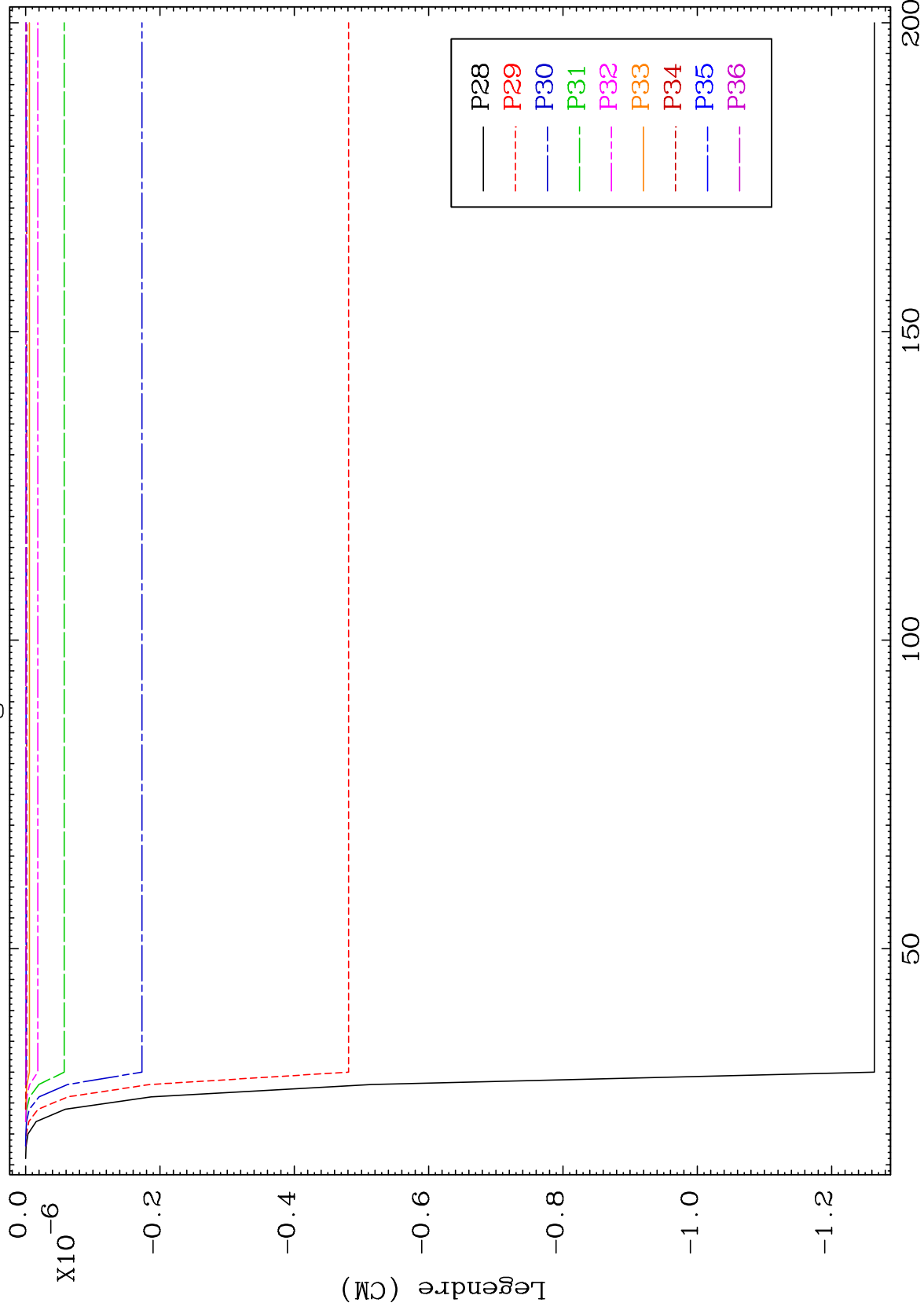
59-Pr-137



110

Incident Energy (MeV)

59-Pr-137

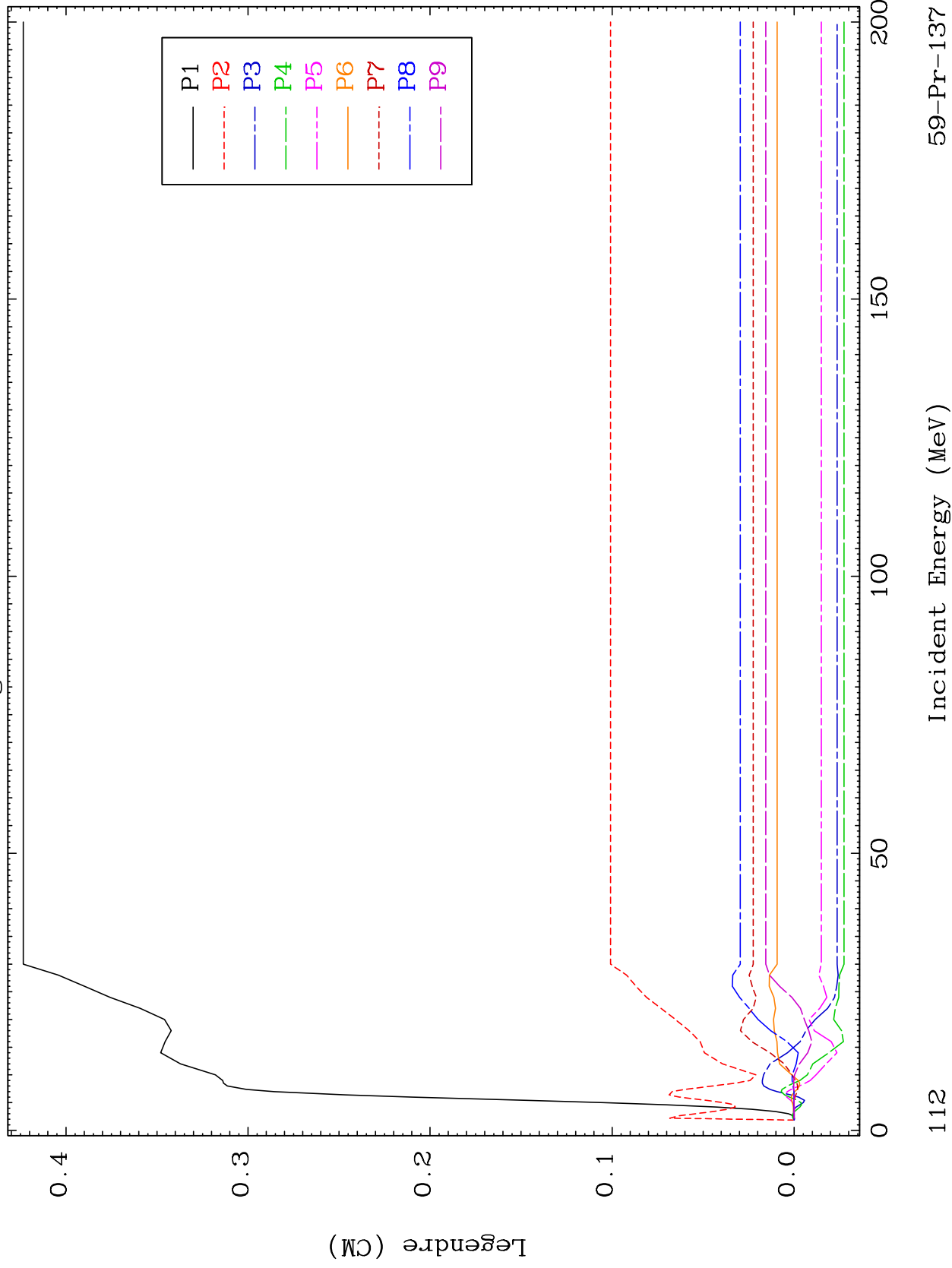




MAT 5913

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

59-Pr-137



112

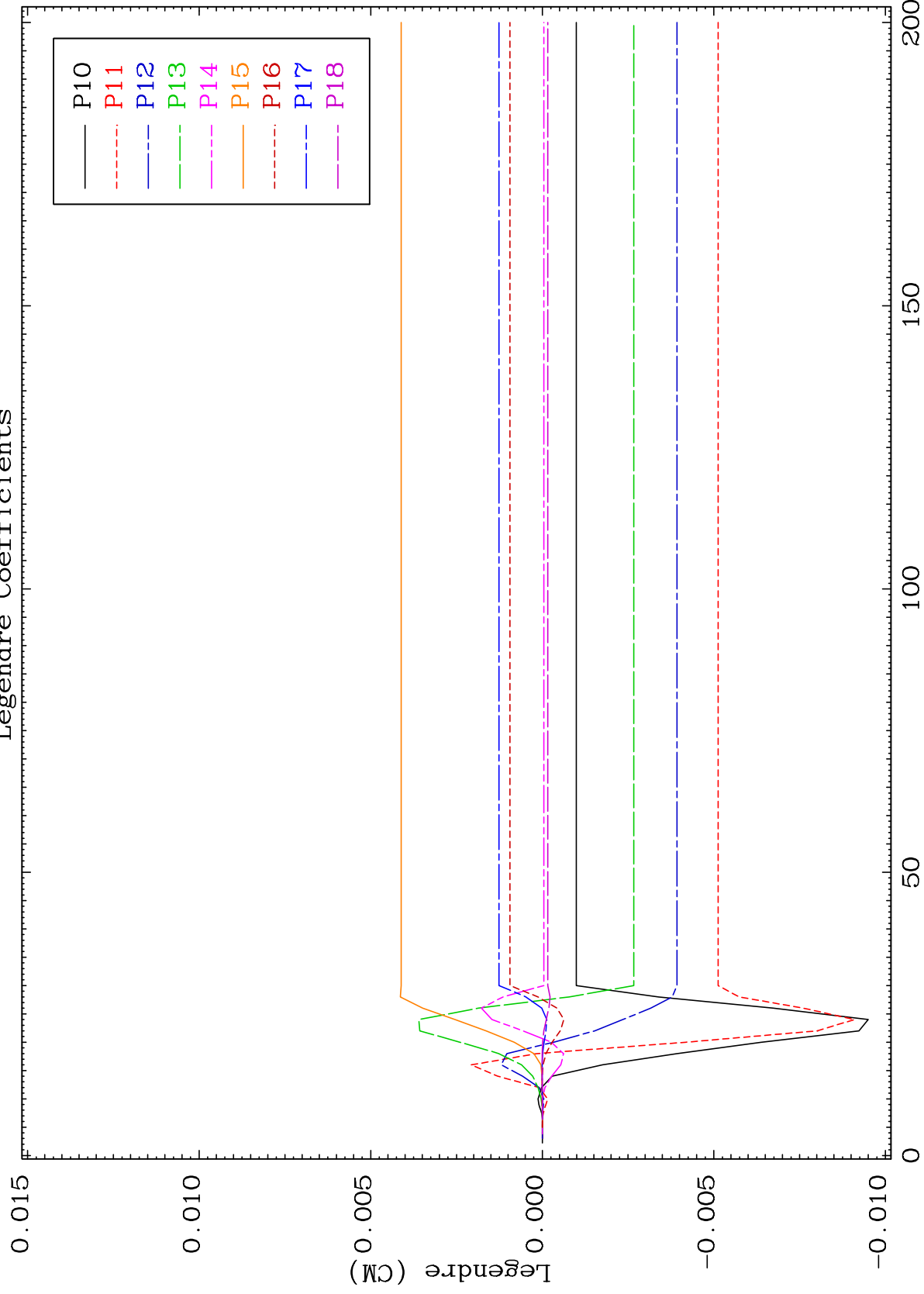
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



113

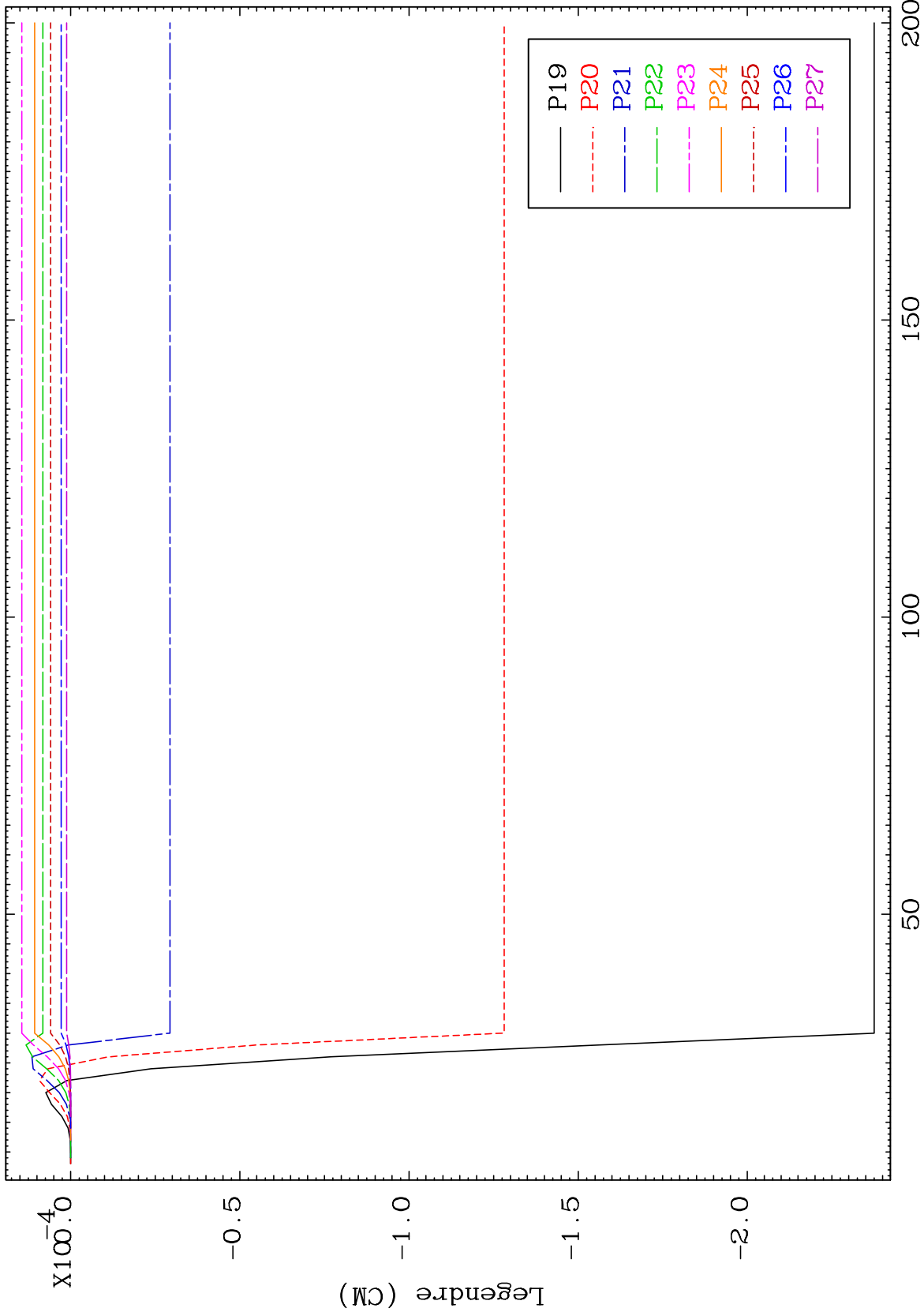
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



114

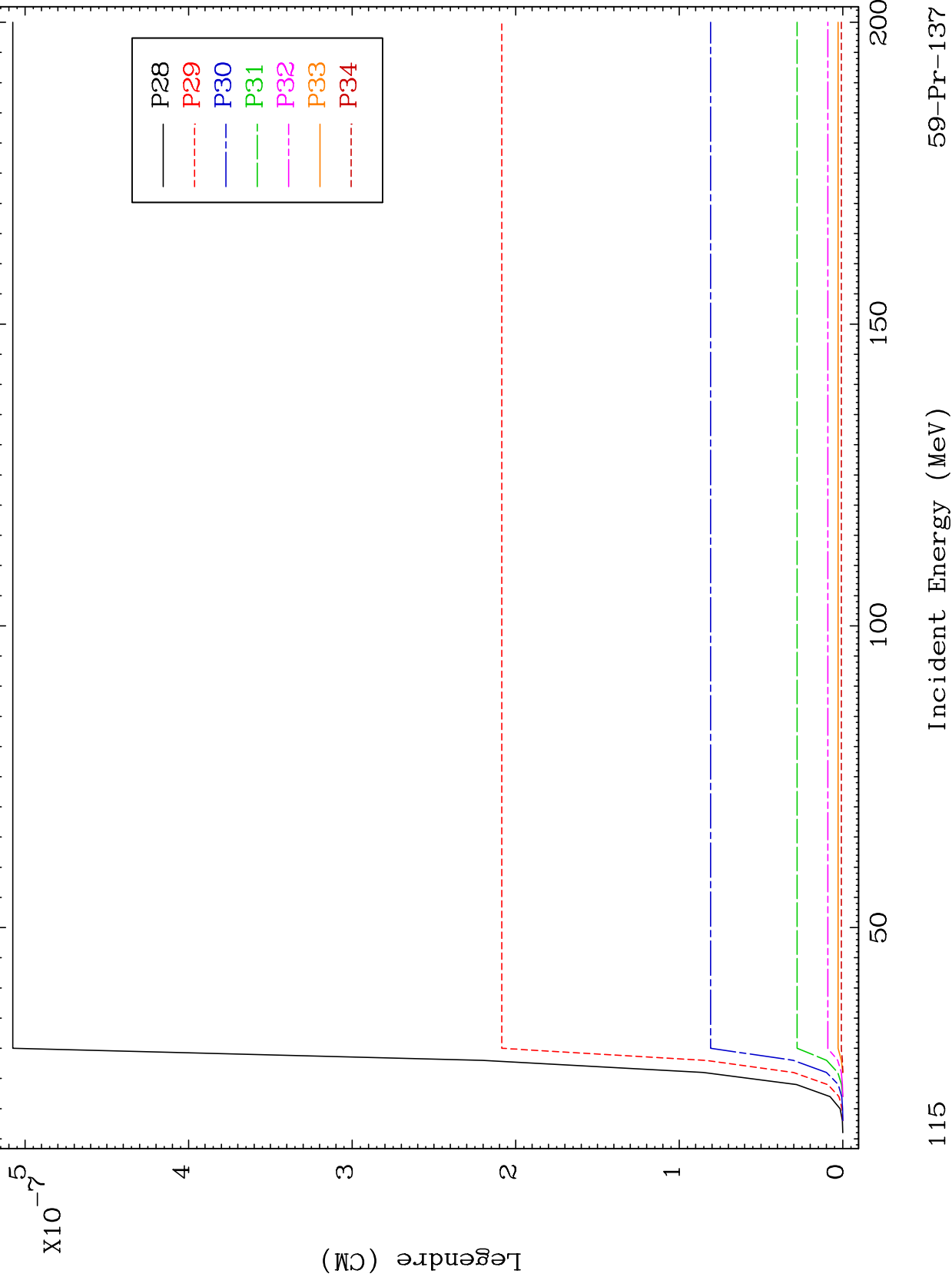
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

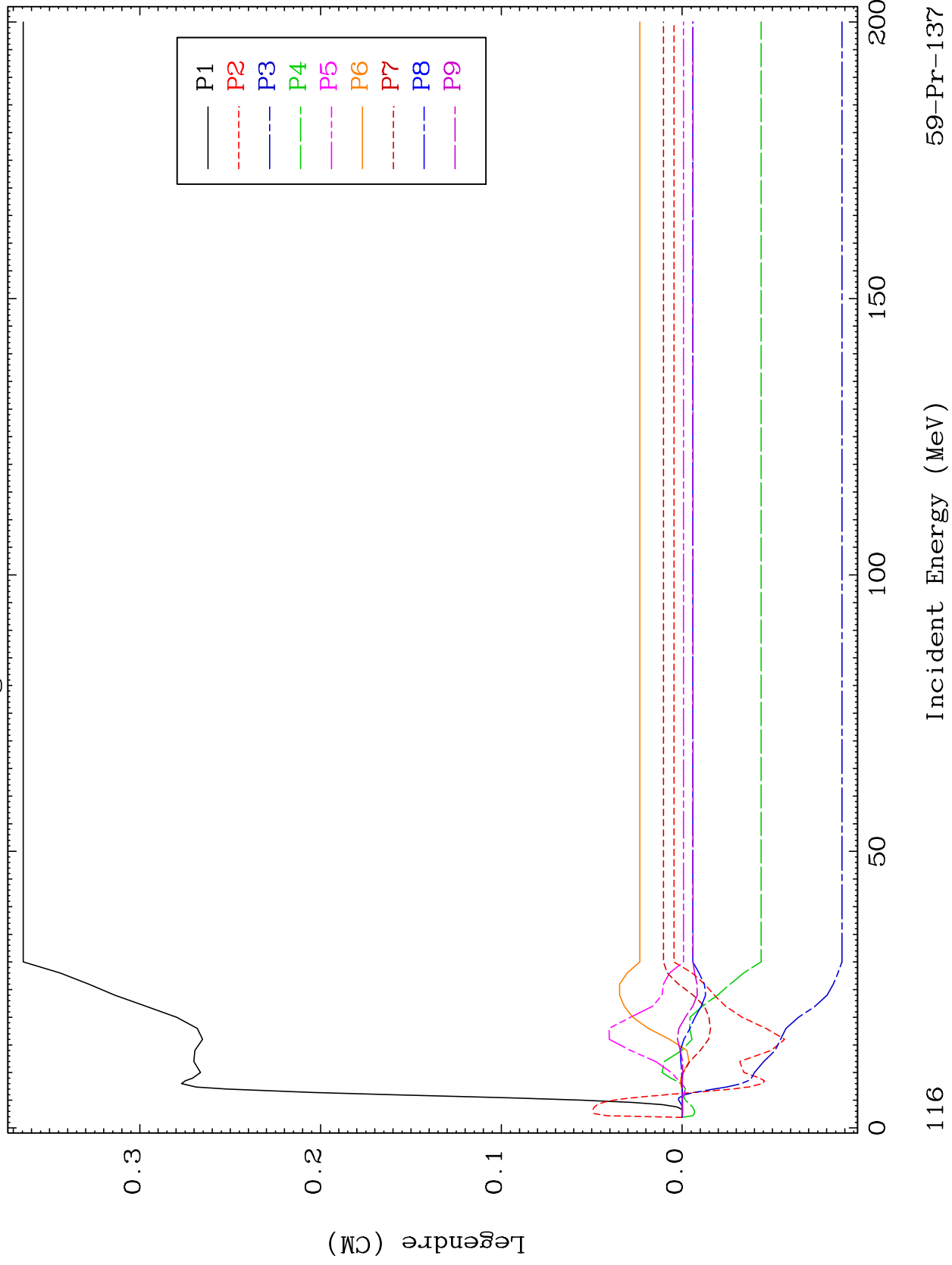
59-Pr-137



MAT 5913

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

59-Pr-137



59-Pr-137

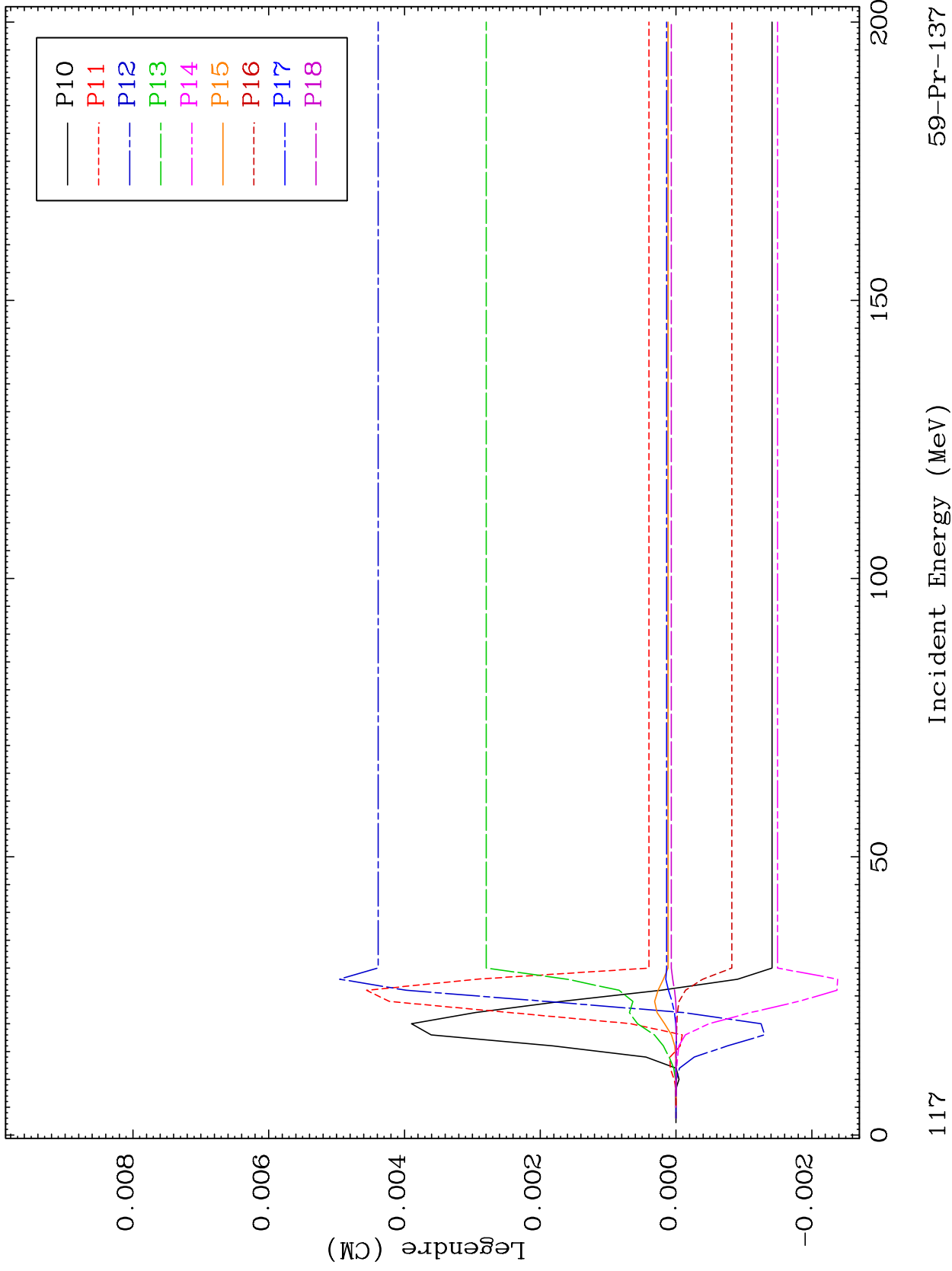
Incident Energy (MeV)

116

MAT 5913

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

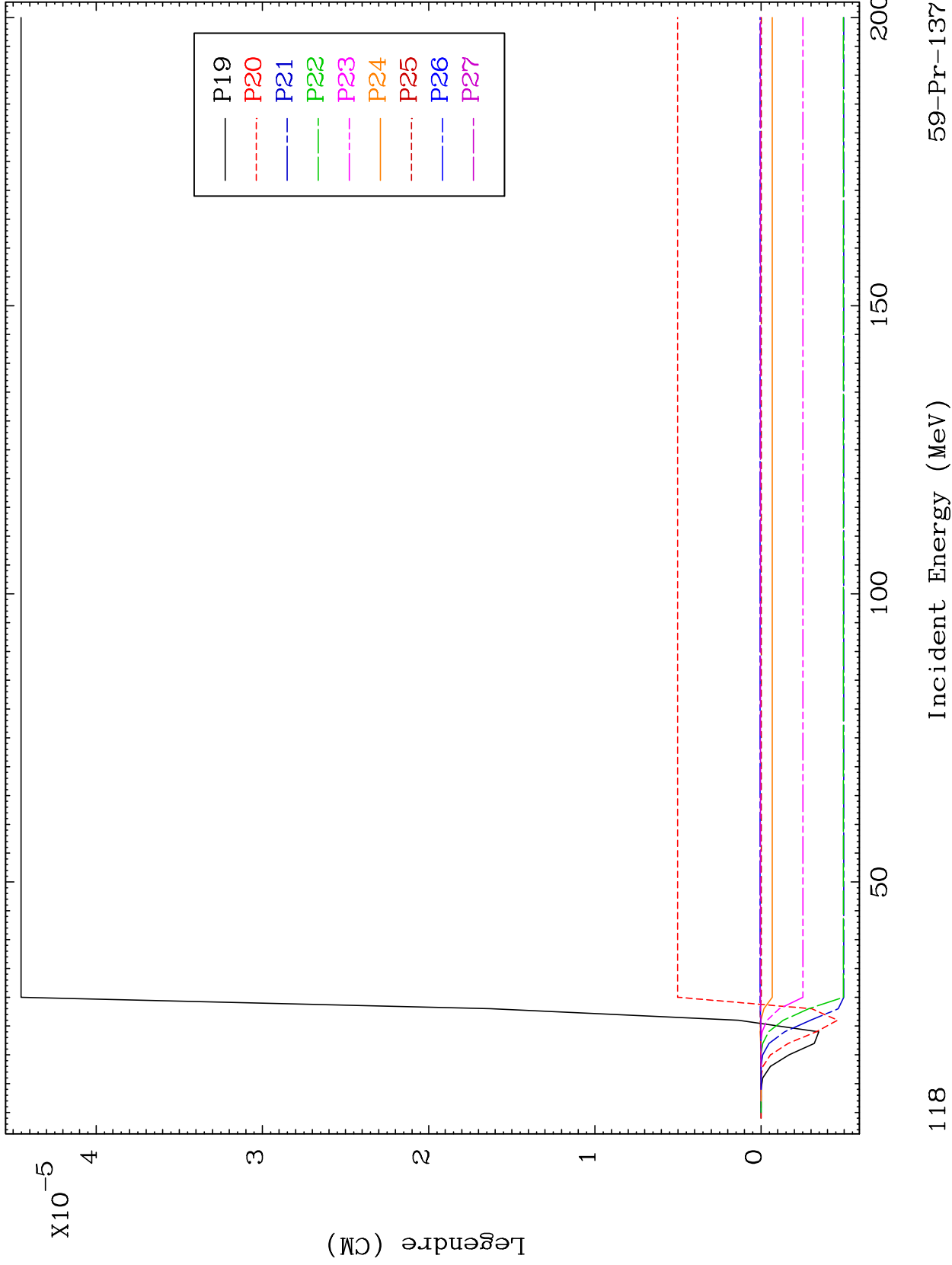
59-Pr-137



MAT 5913

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

59-Pr-137



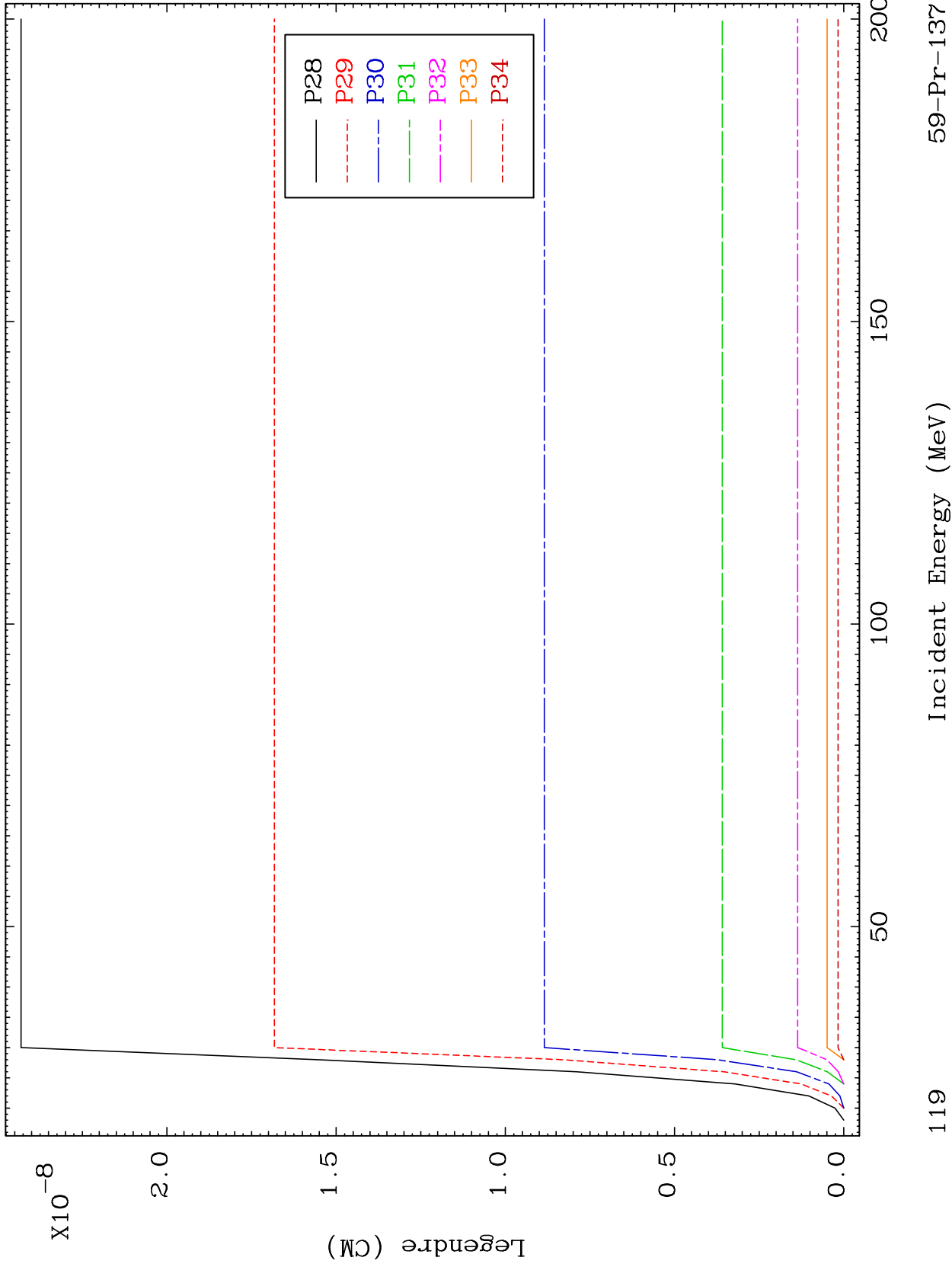
118

59-Pr-137

MAT 5913

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

59-Pr-137



119

Incident Energy (MeV)

59-Pr-137

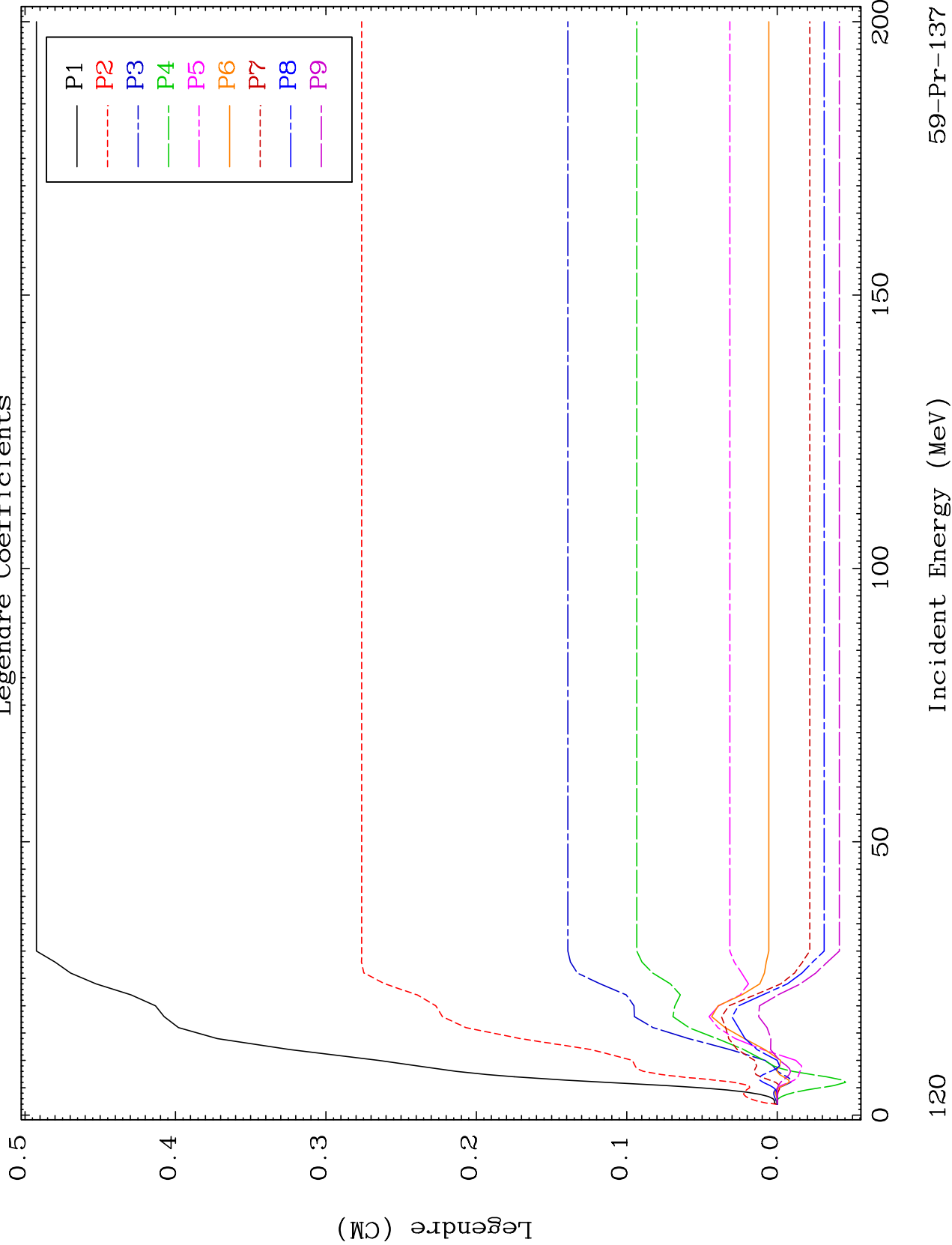


MAT 5913

MT= 76 (n,n') Level

59-Pr-137

Legendre Coefficients

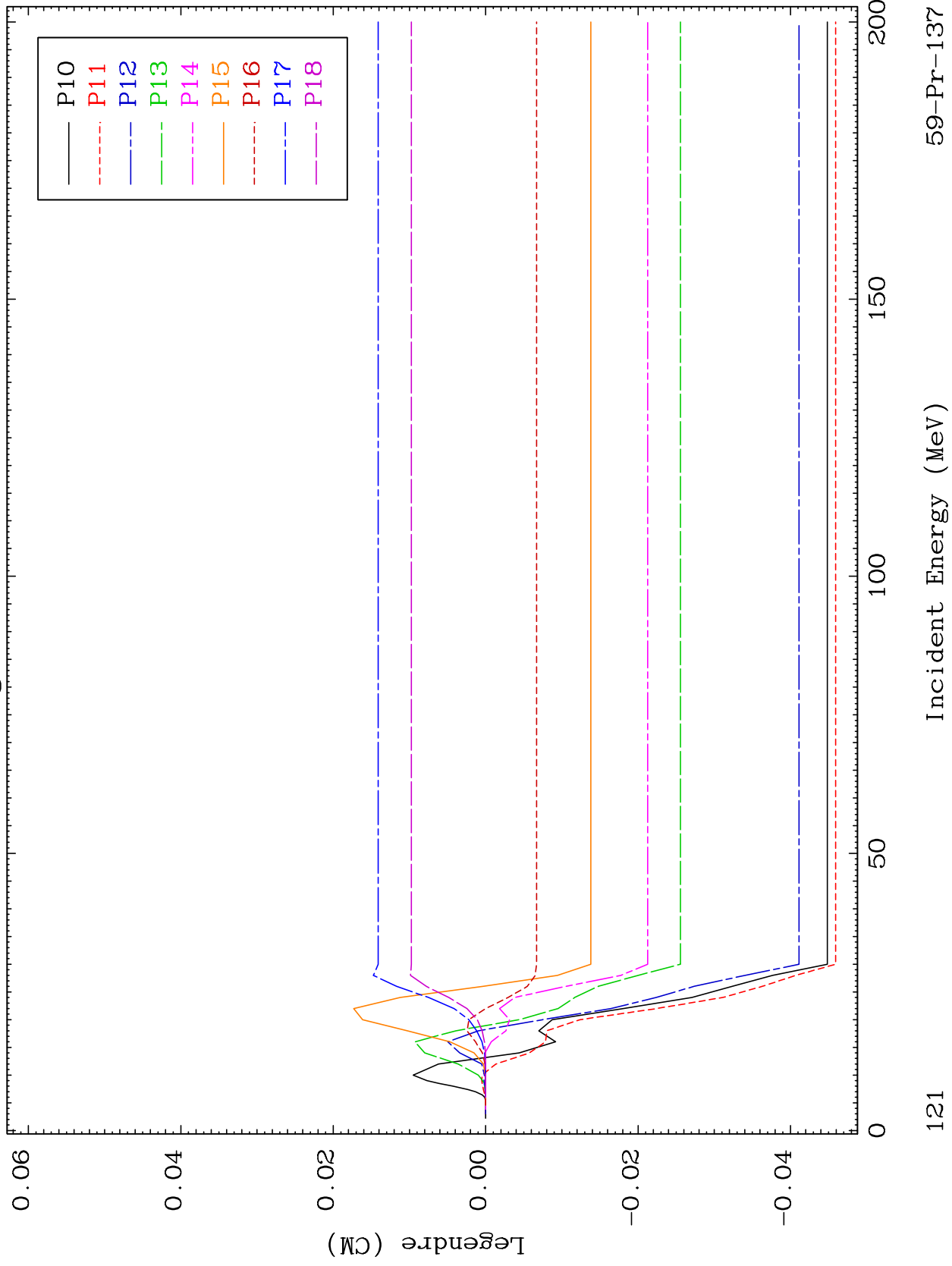


59-Pr-137

MAT 5913

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

59-Pr-137



121

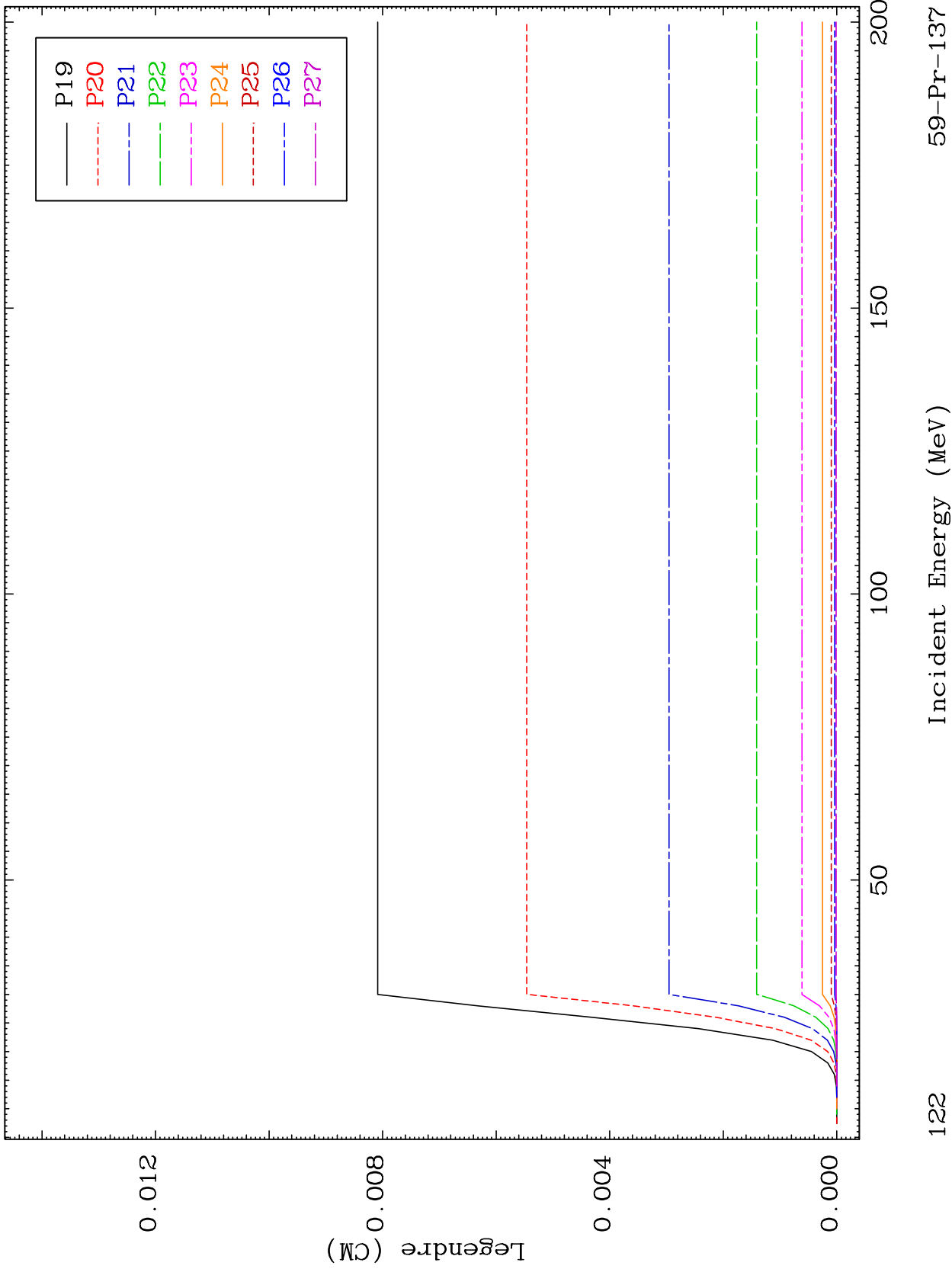
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



122

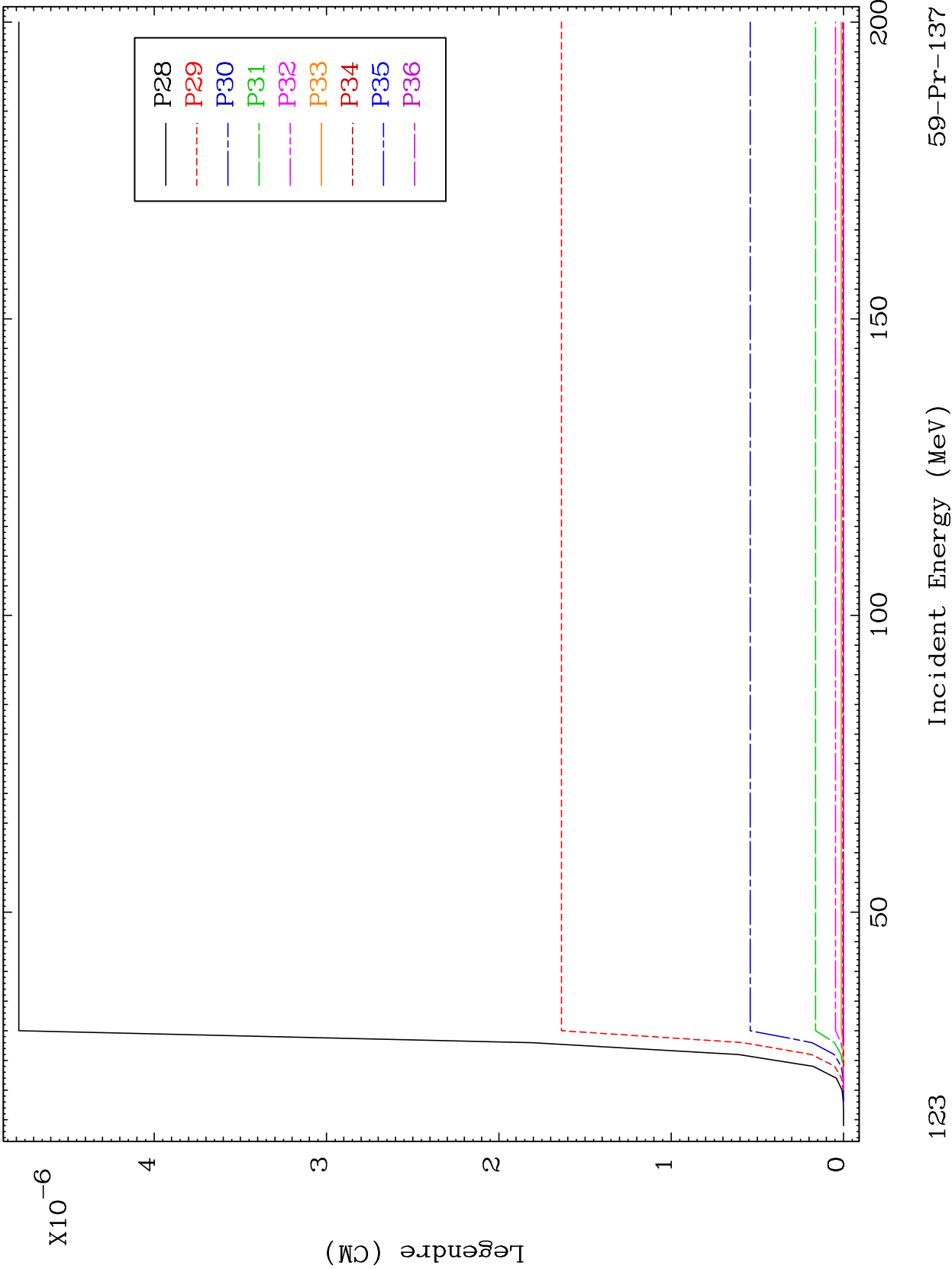
Incident Energy (MeV)

59-Pr-137

MAT 5913

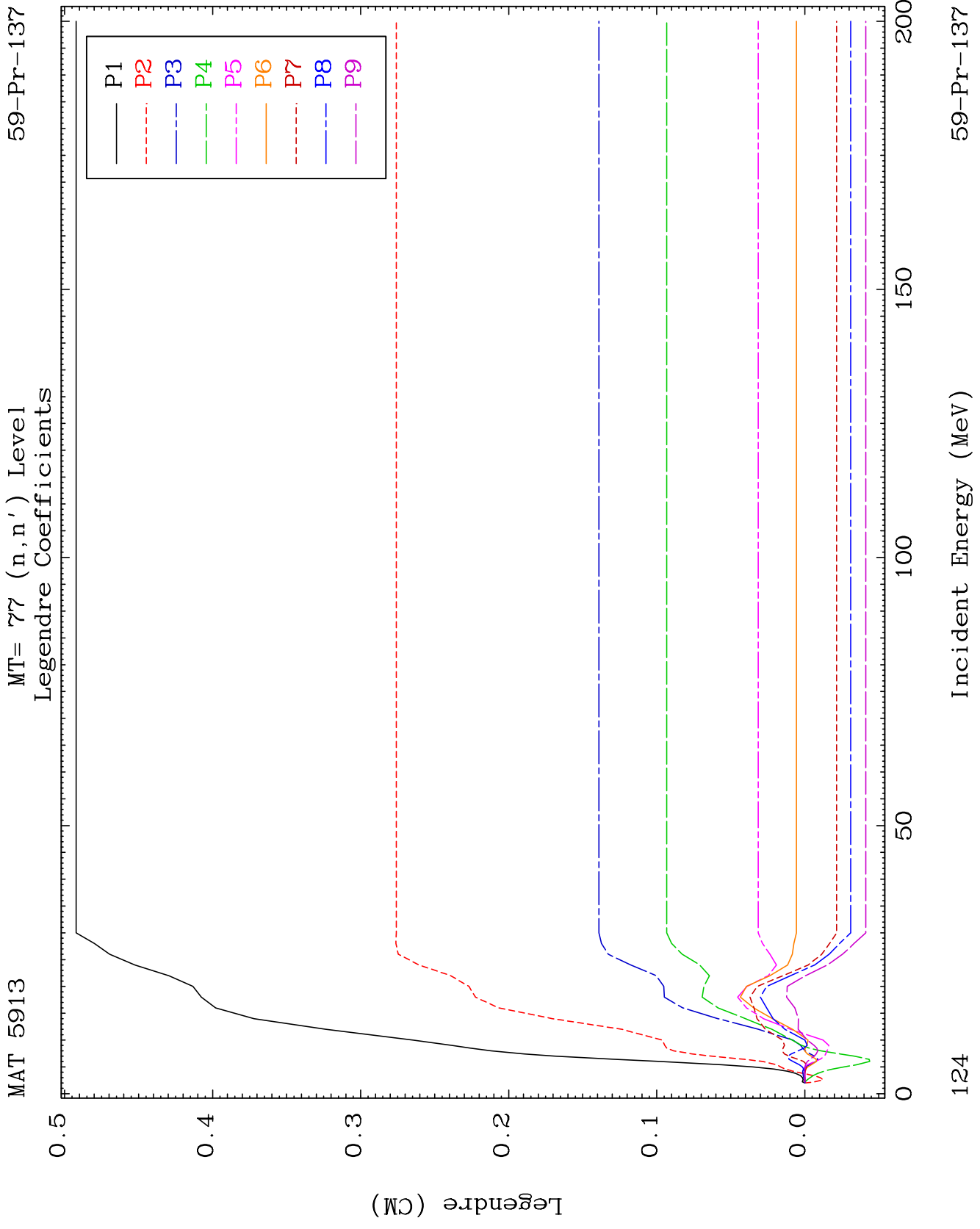
MT= 76 (n,n') Level  
Legendre Coefficients

59-Pr-137



123

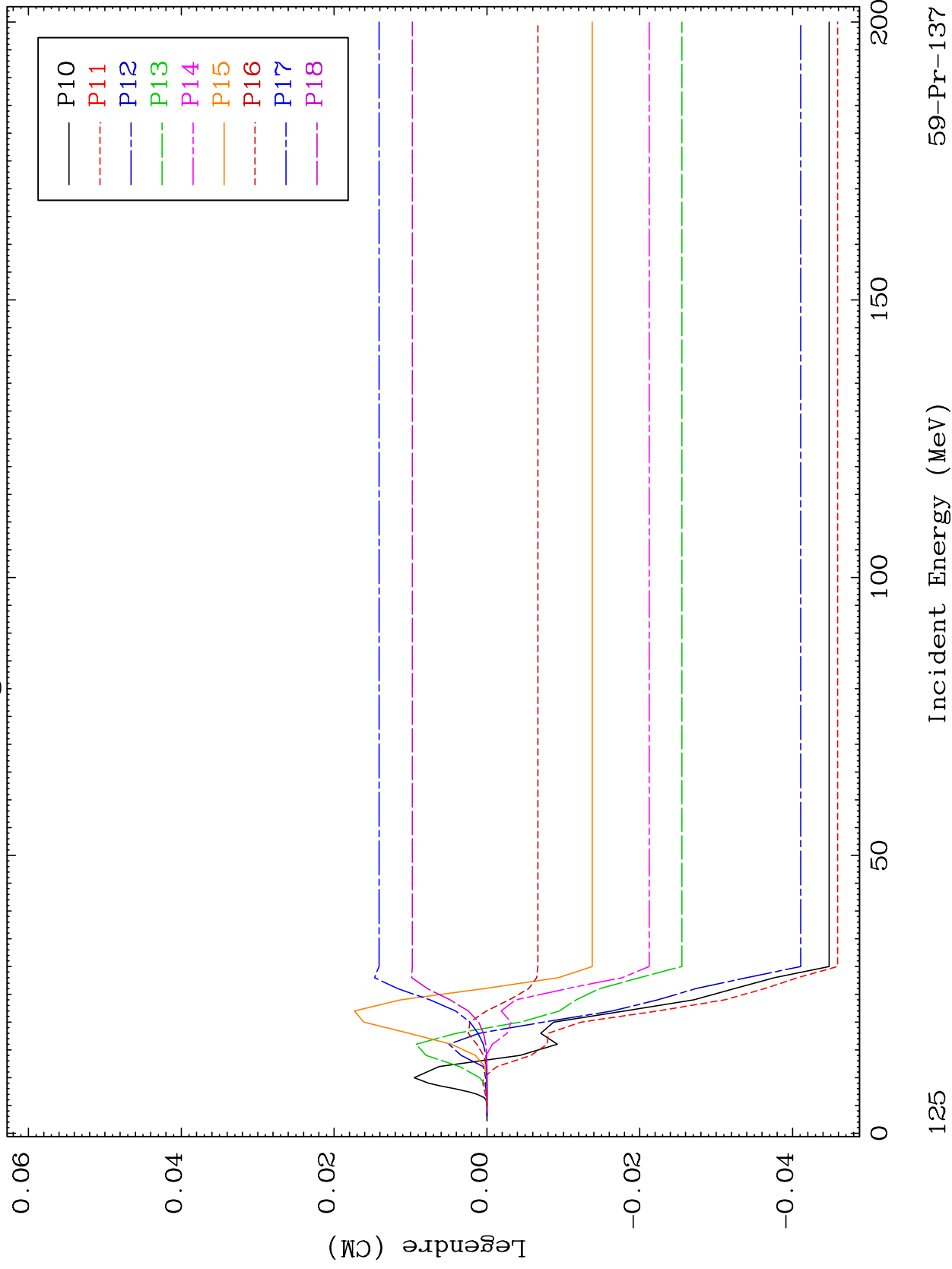
59-Pr-137



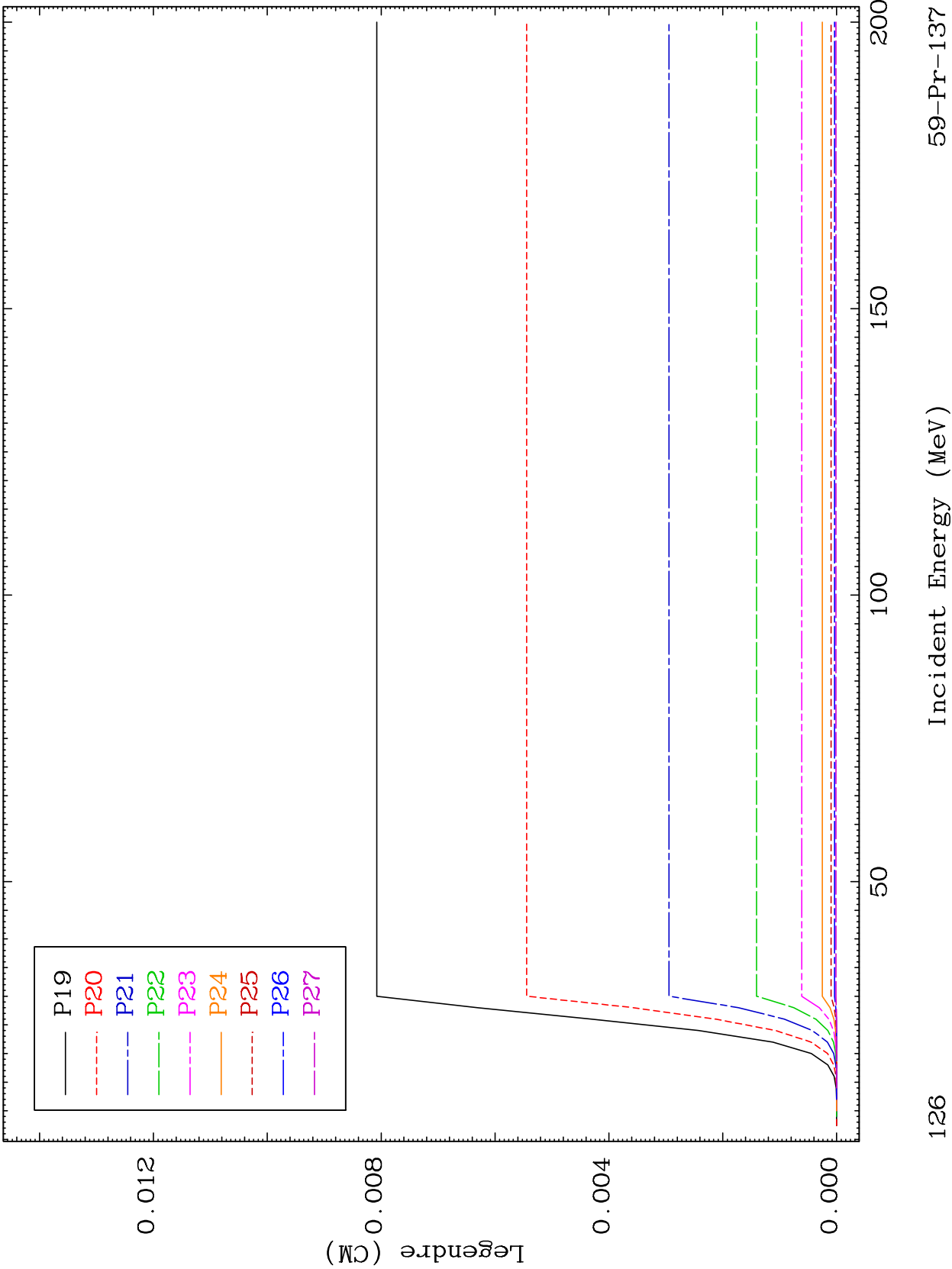
MAT 5913

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

59-Pr-137



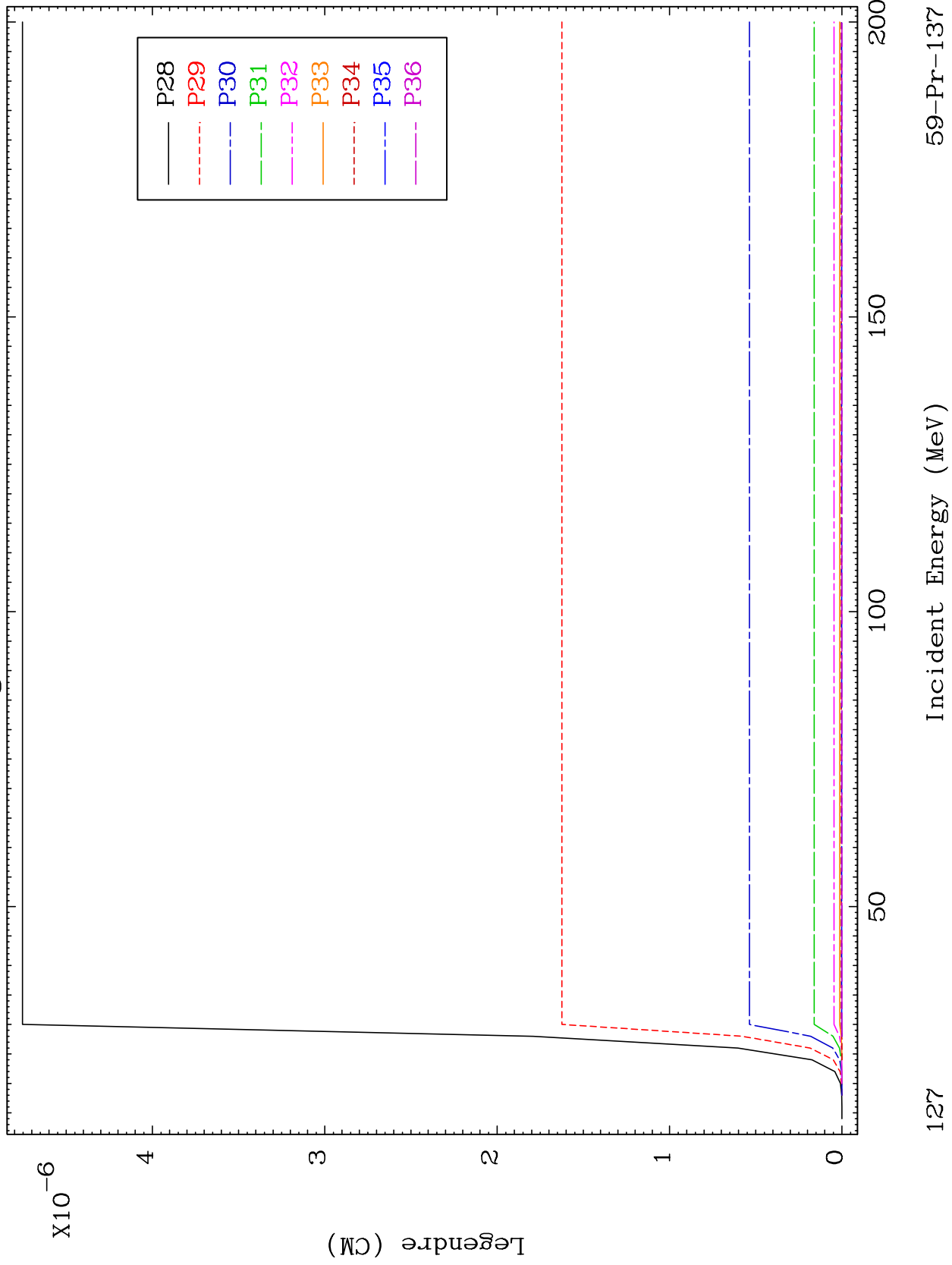
59-Pr-137



MAT 5913

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

59-Pr-137



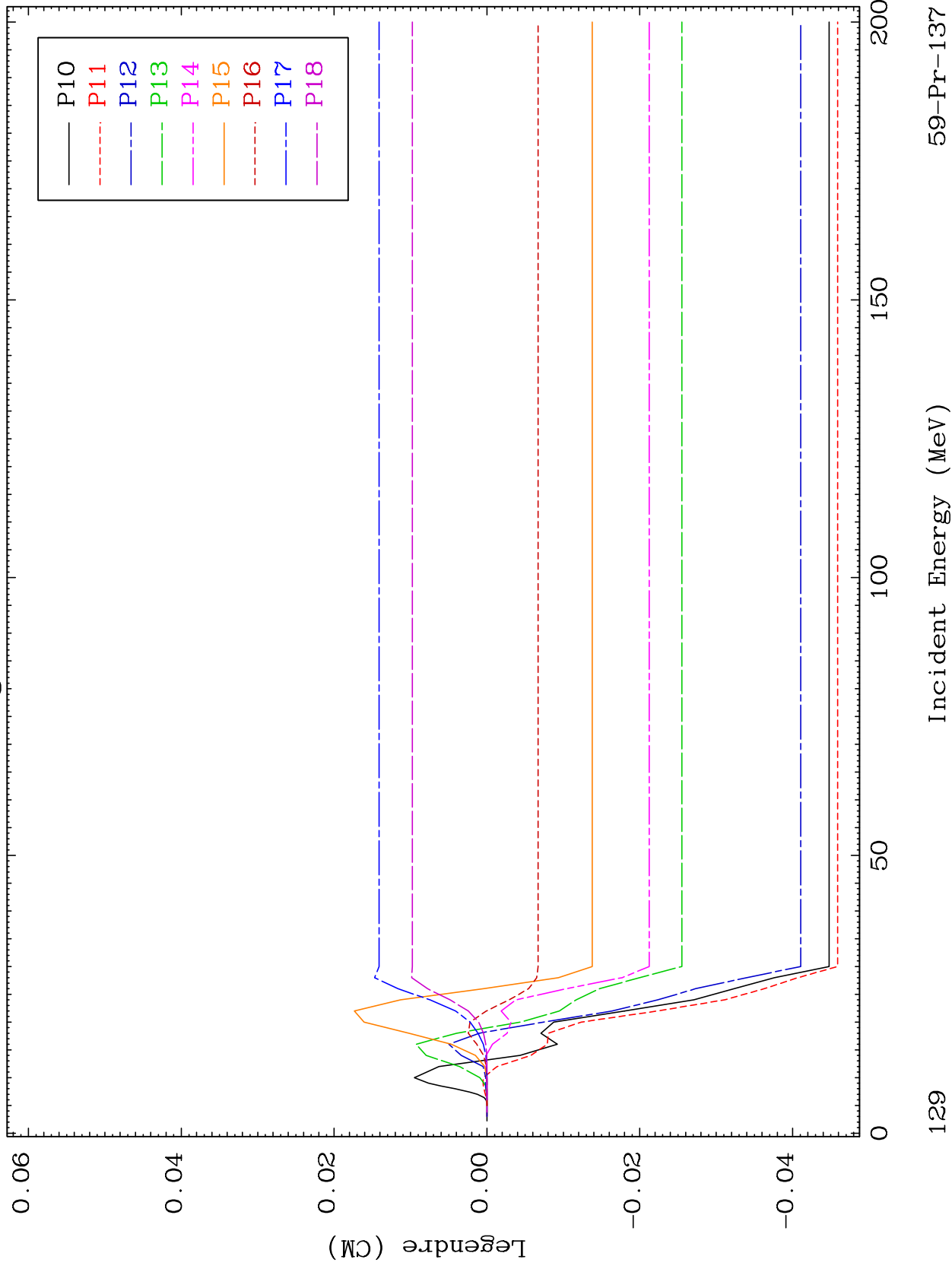




MAT 5913

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

59-Pr-137



129

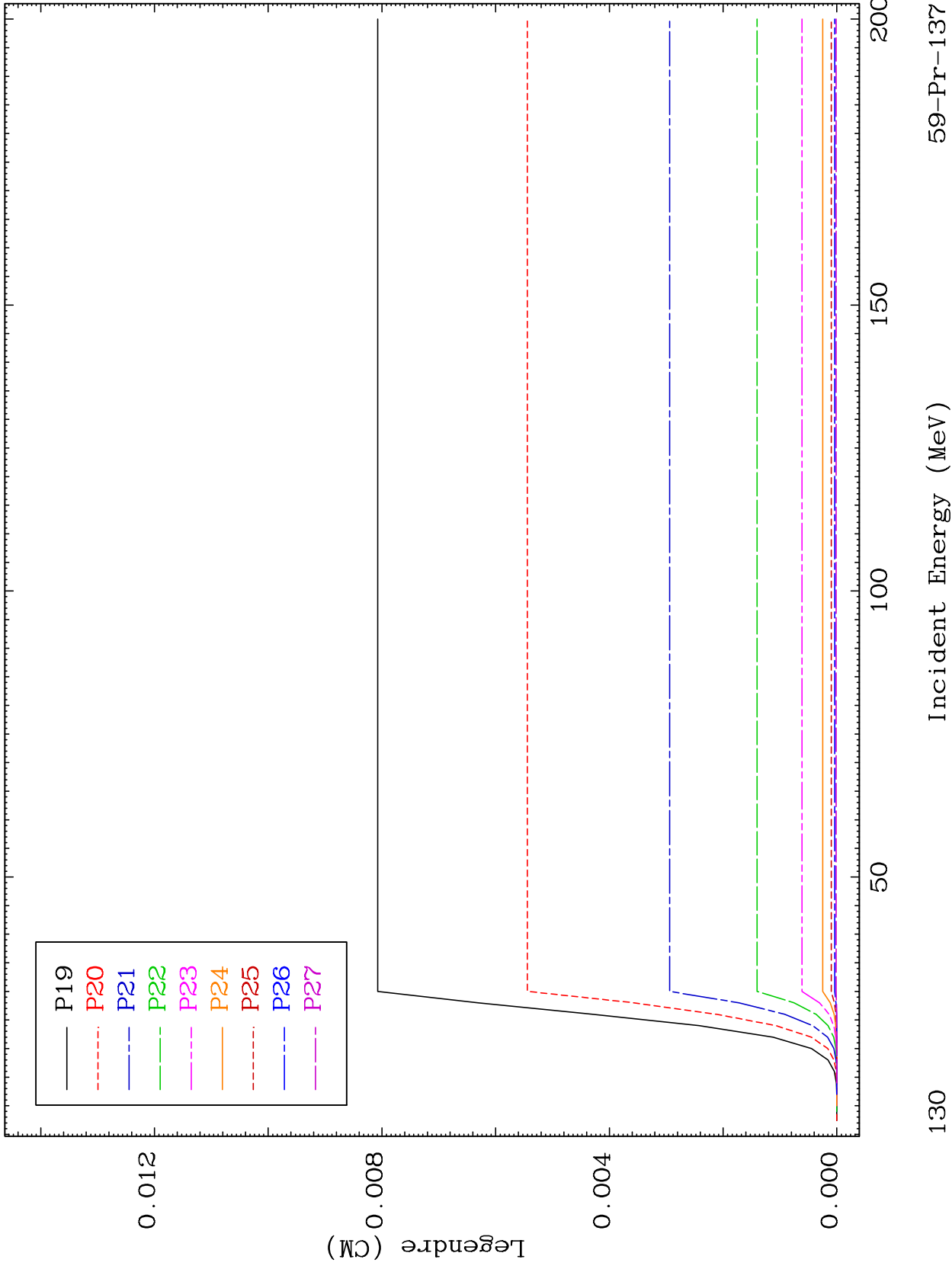
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



130

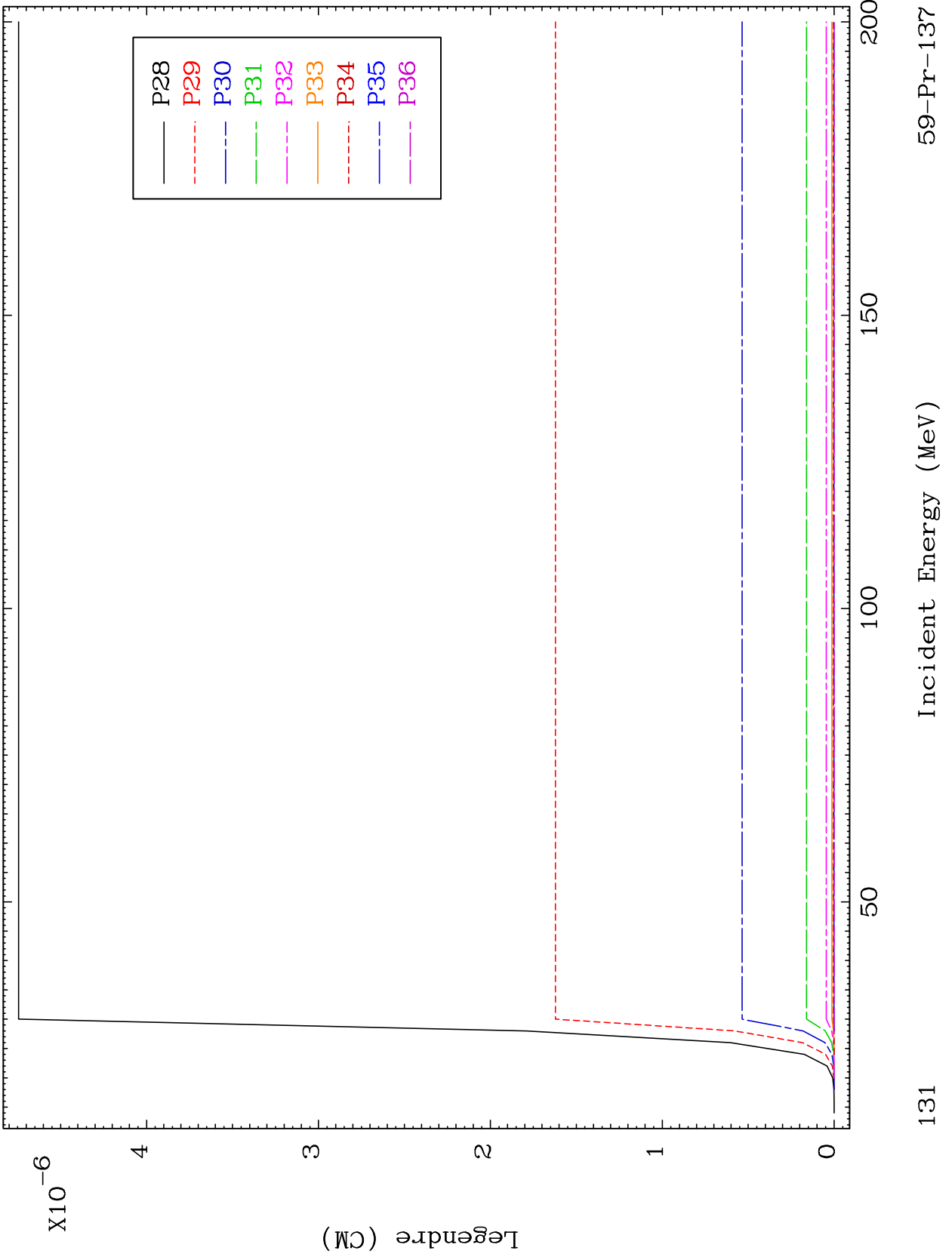
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



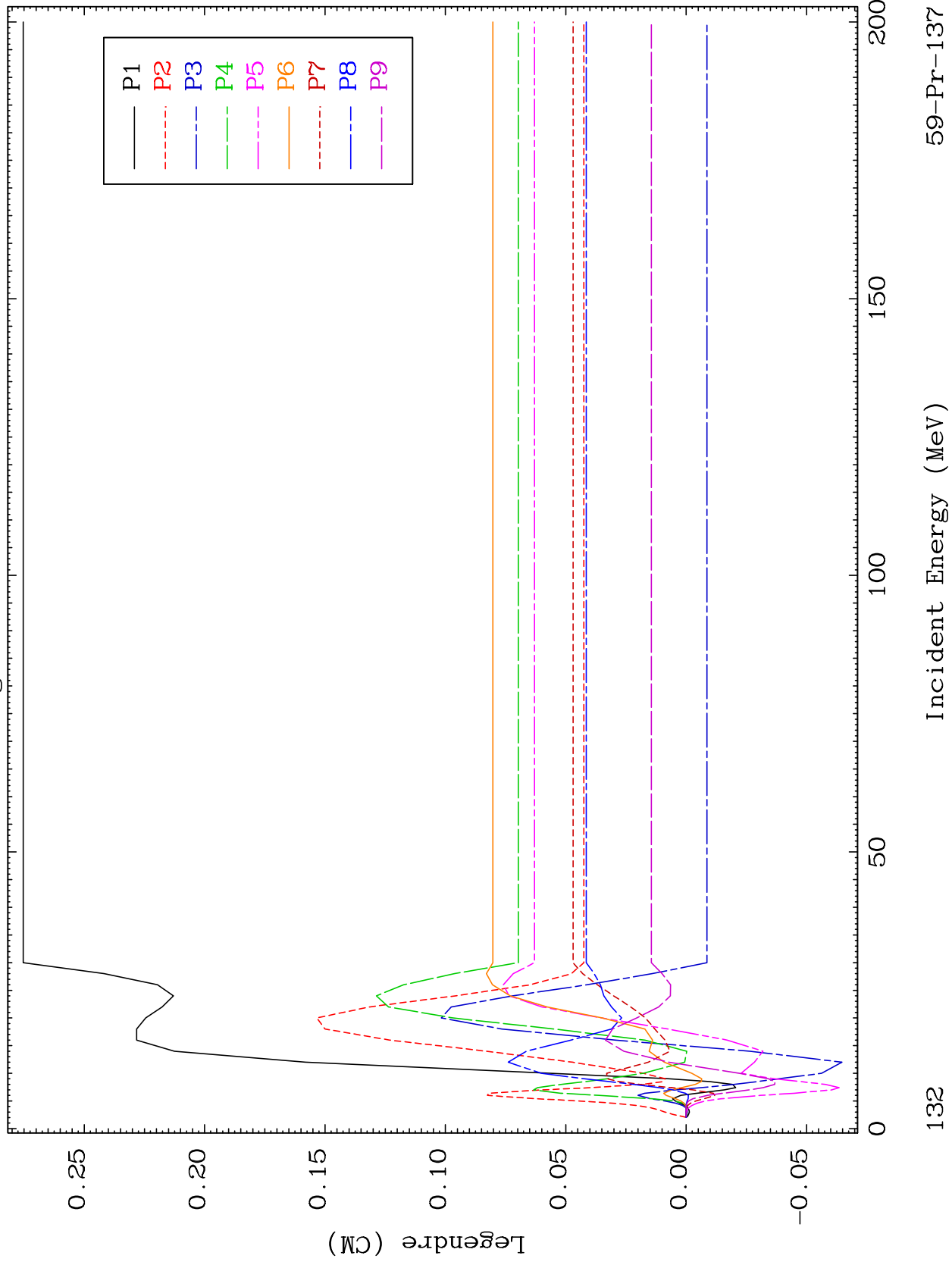
131

59-Pr-137

MAT 5913

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

59-Pr-137



59-Pr-137

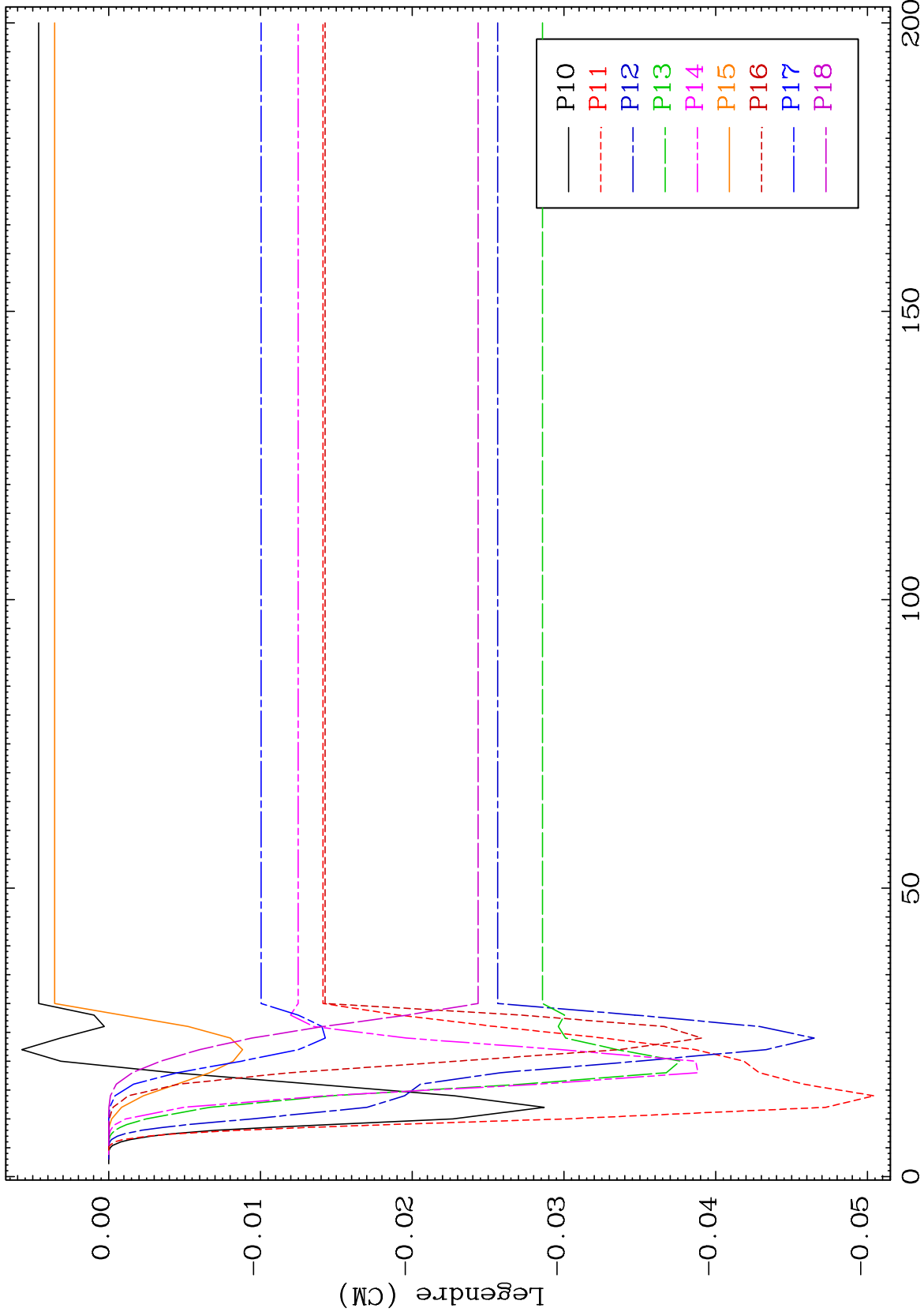
Incident Energy (MeV)

132

MAT 5913

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

59-Pr-137



133

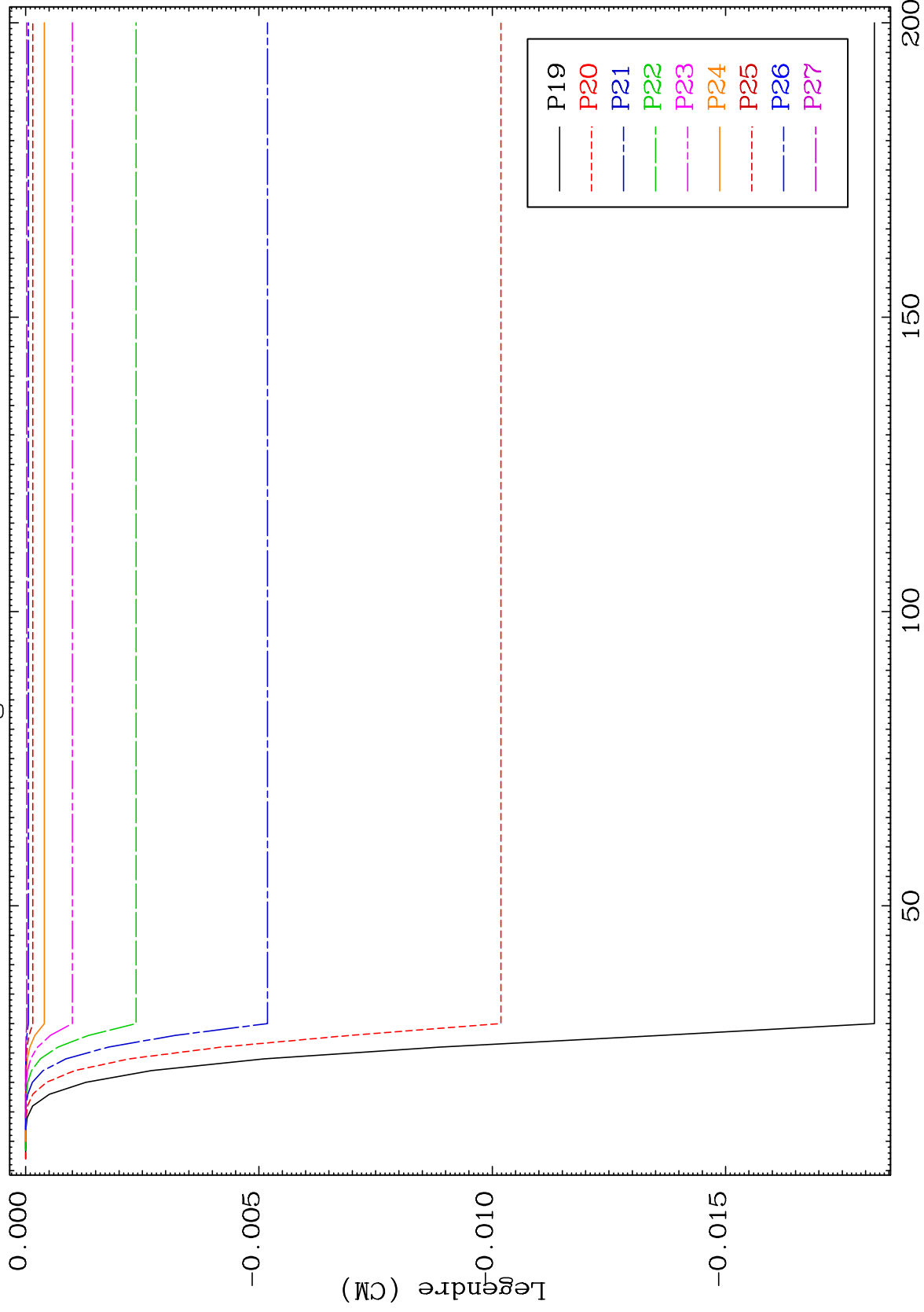
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



134

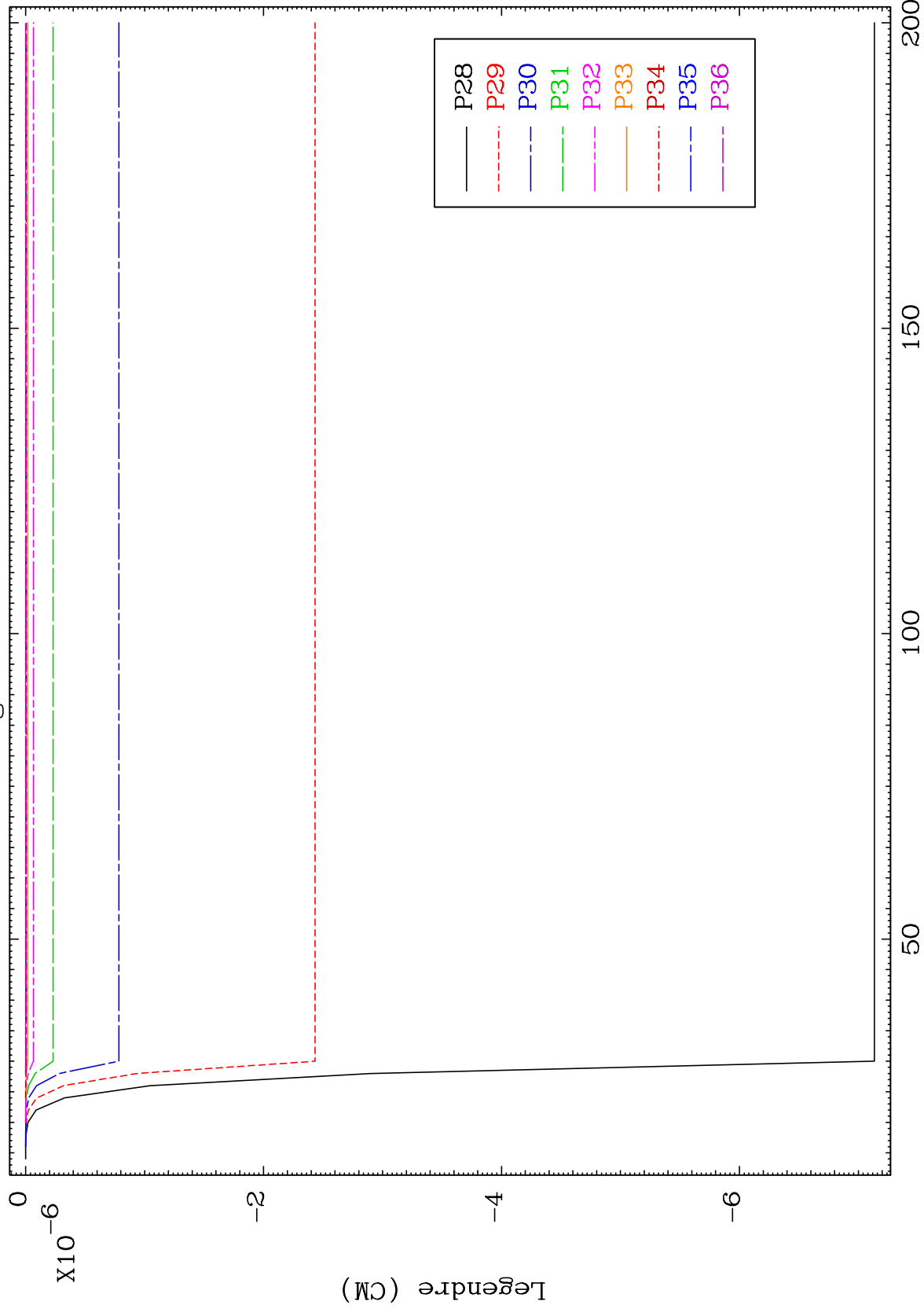
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



135

Incident Energy (MeV)

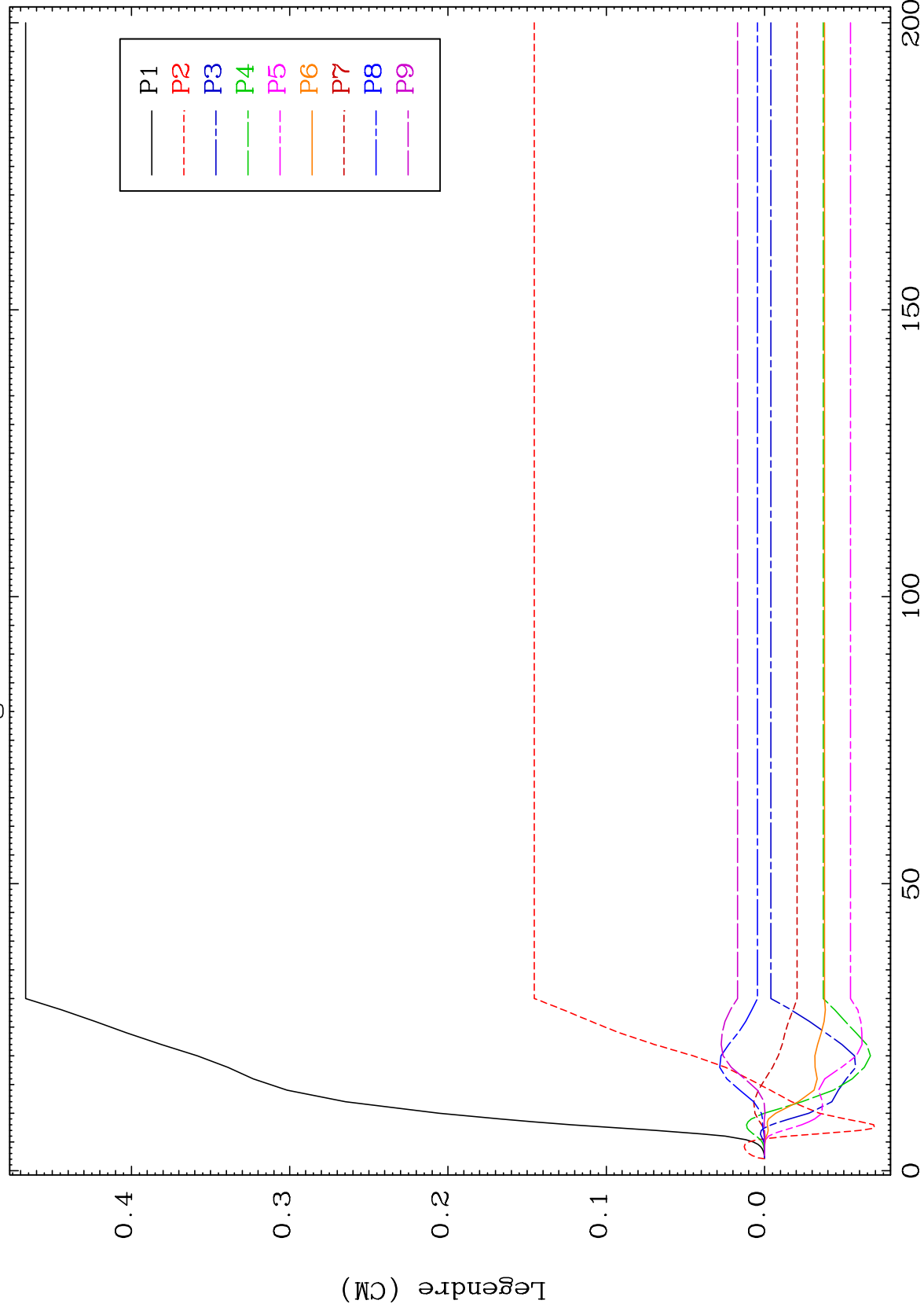
59-Pr-137



MAT 5913

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

59-Pr-137



59-Pr-137

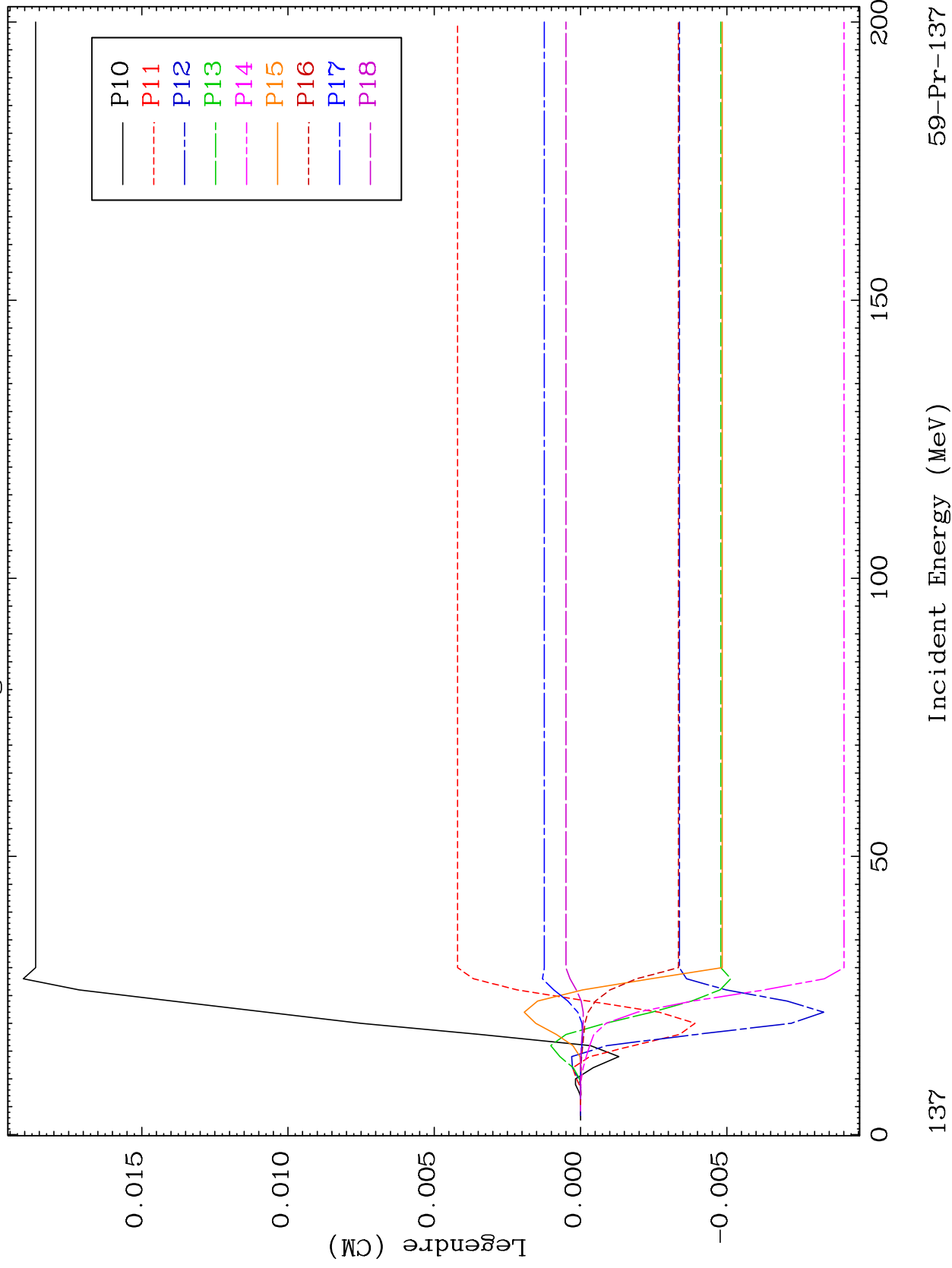
Incident Energy (MeV)

136

MAT 5913

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

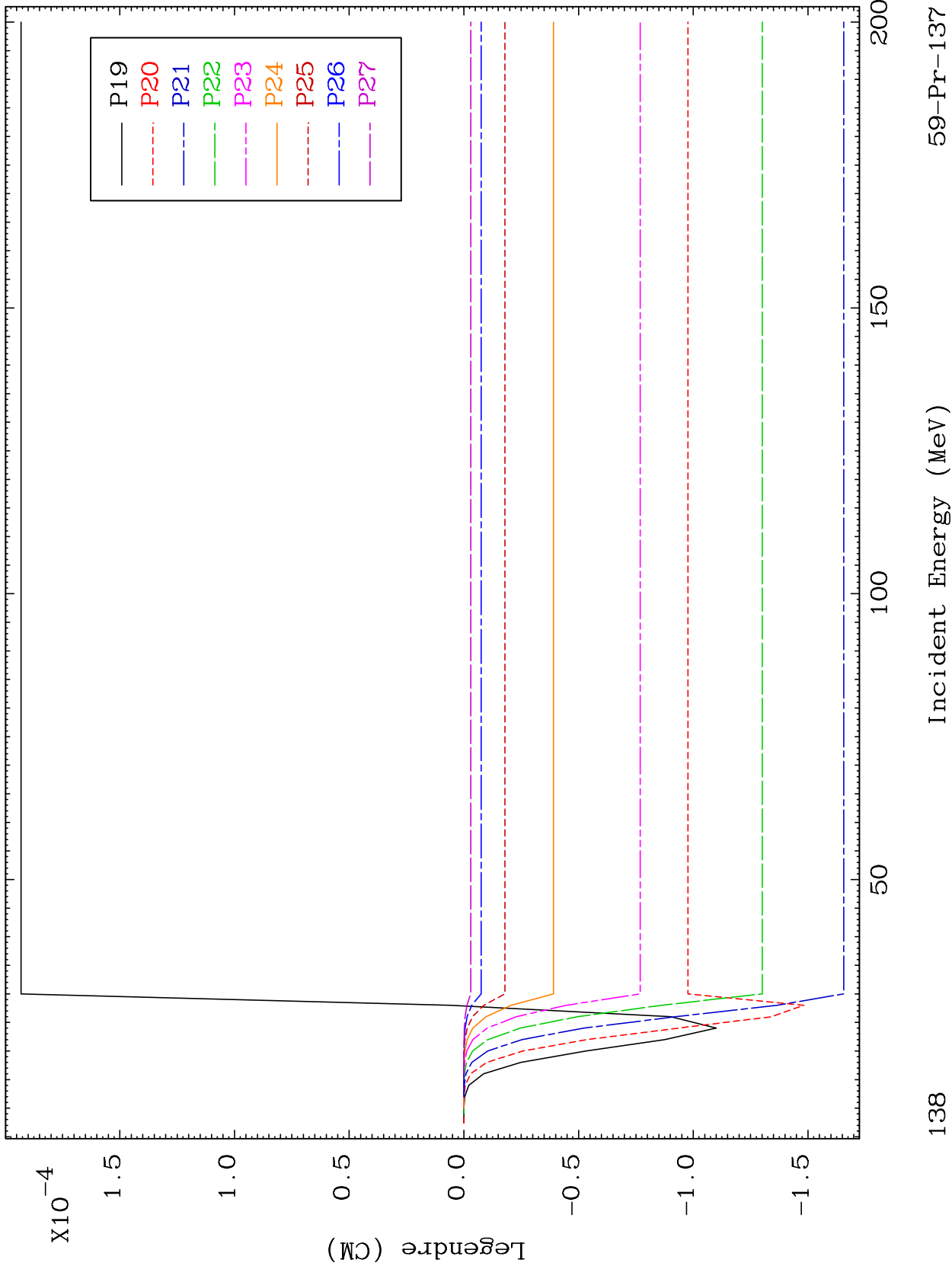
59-Pr-137

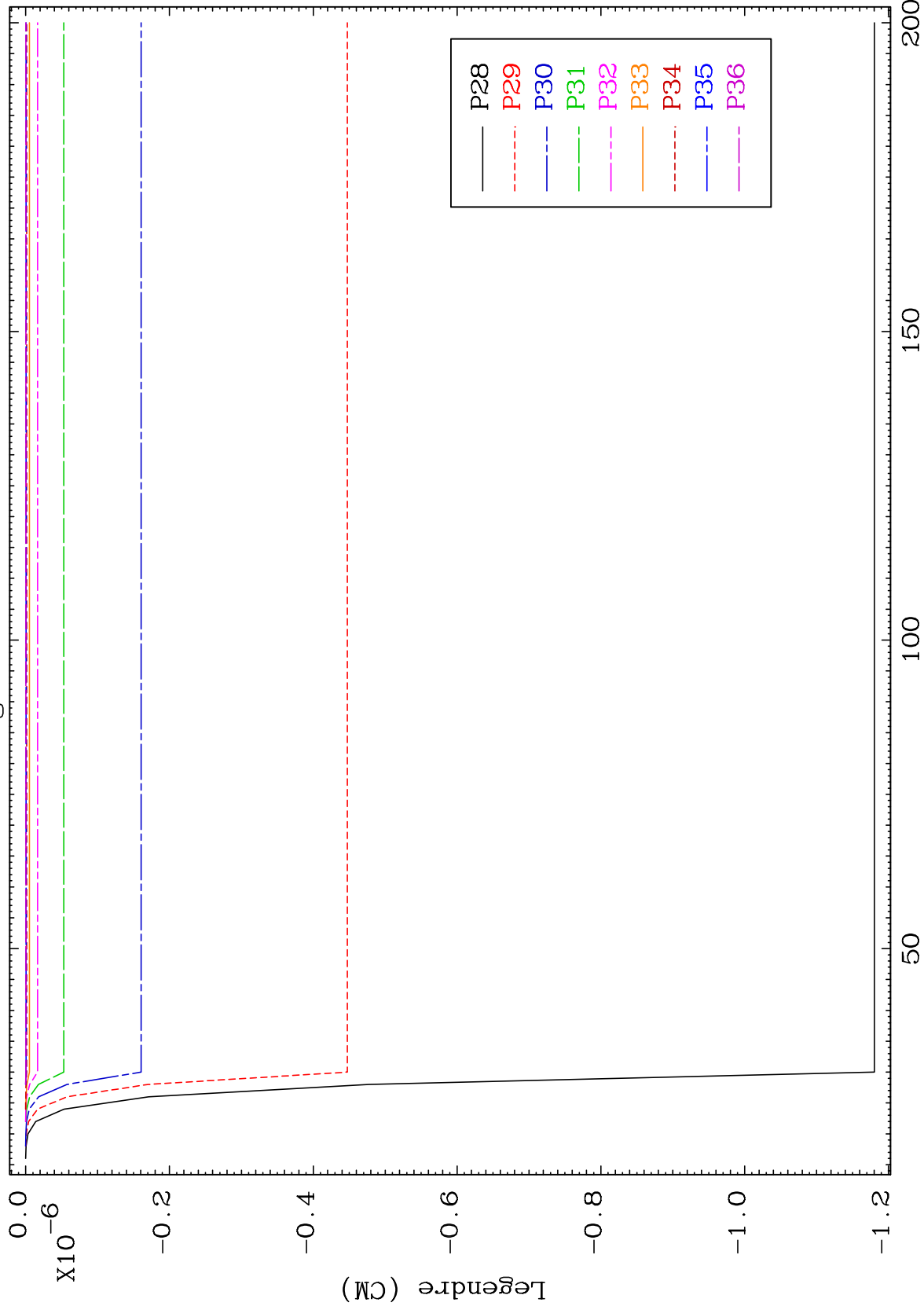


137

Incident Energy (MeV)

59-Pr-137

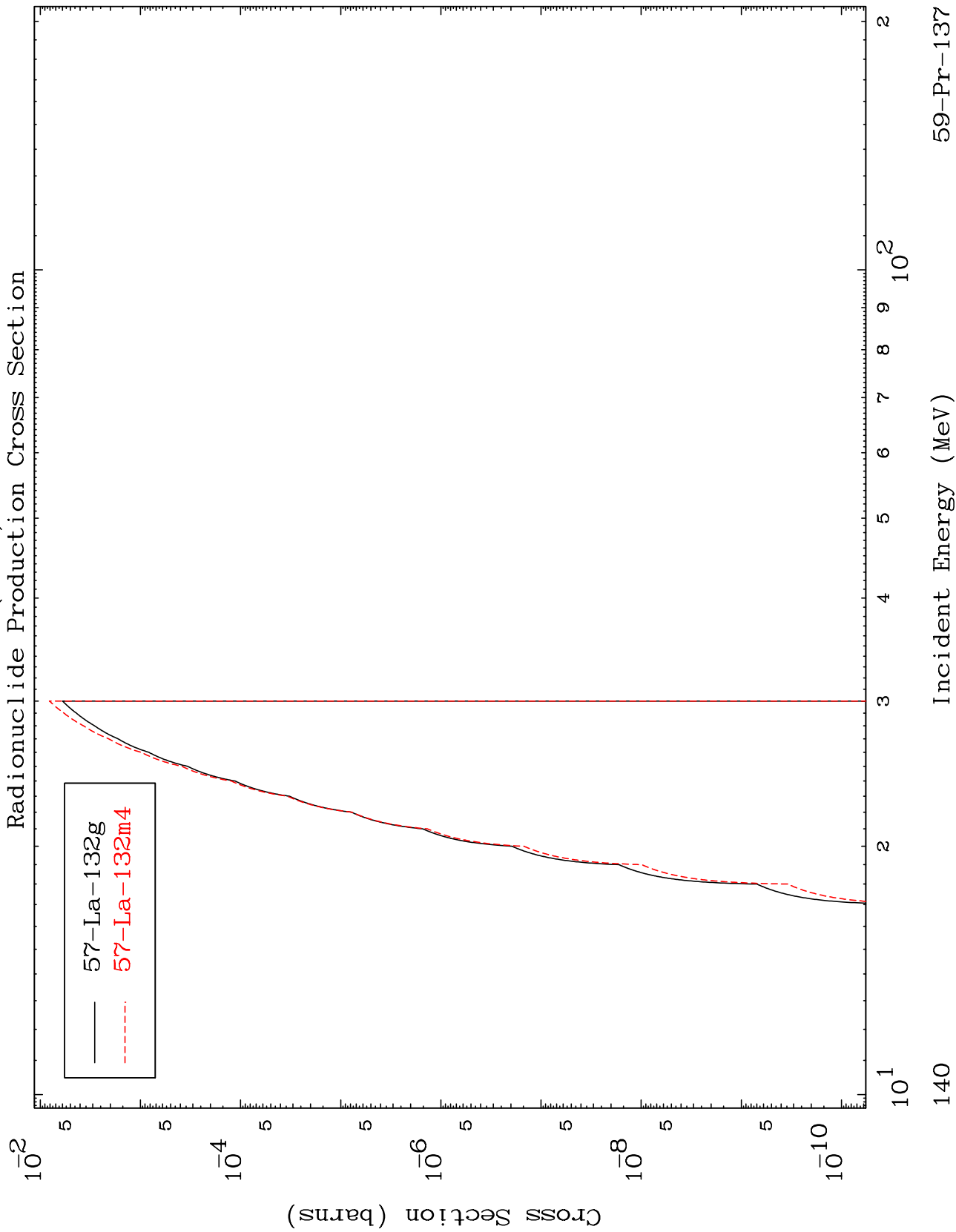




MAT 5913

(n,2n)  $\alpha$

59-Pr-137

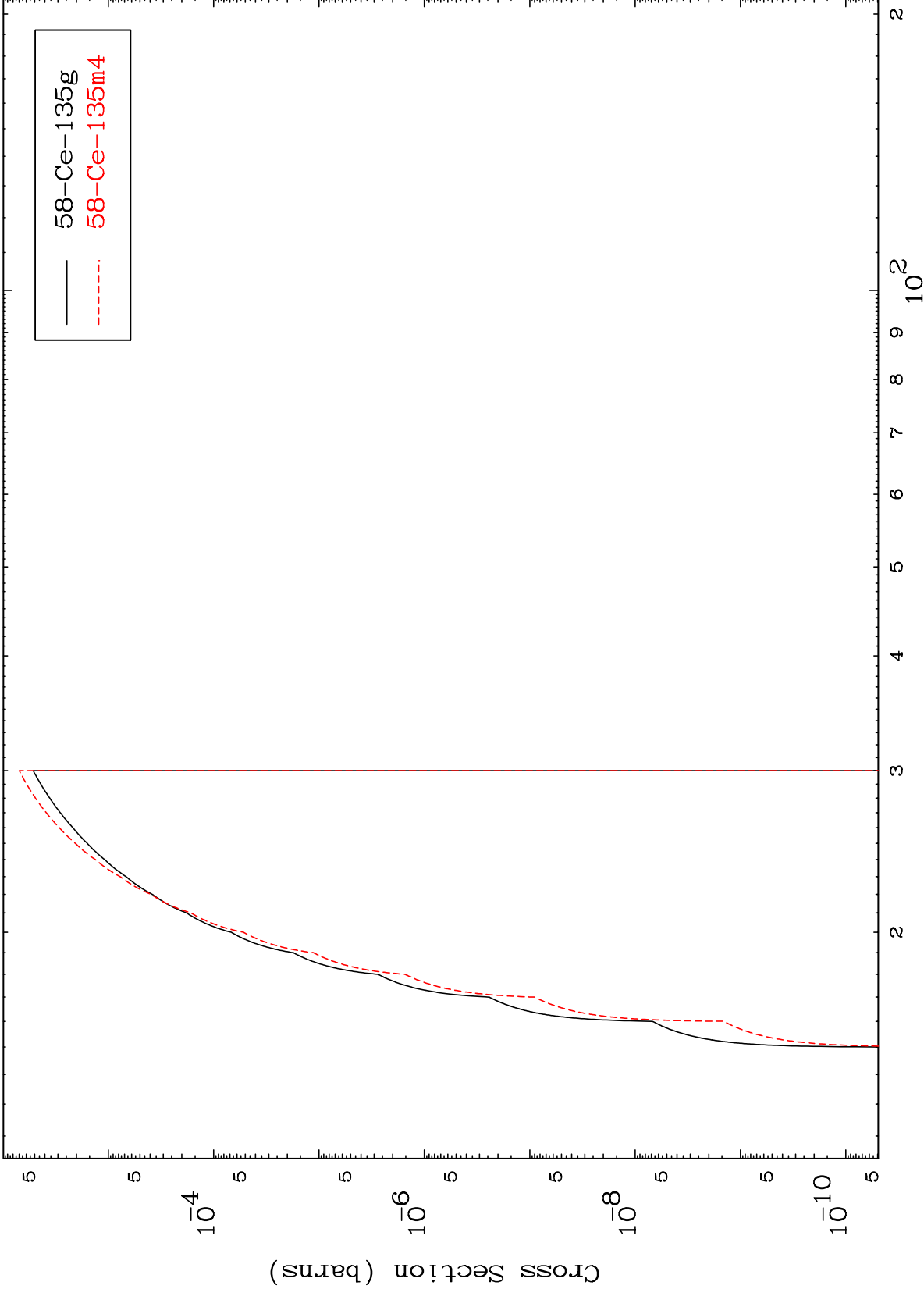


MAT 5913

(n,n') d

59-Pr-137

Radionuclide Production Cross Section

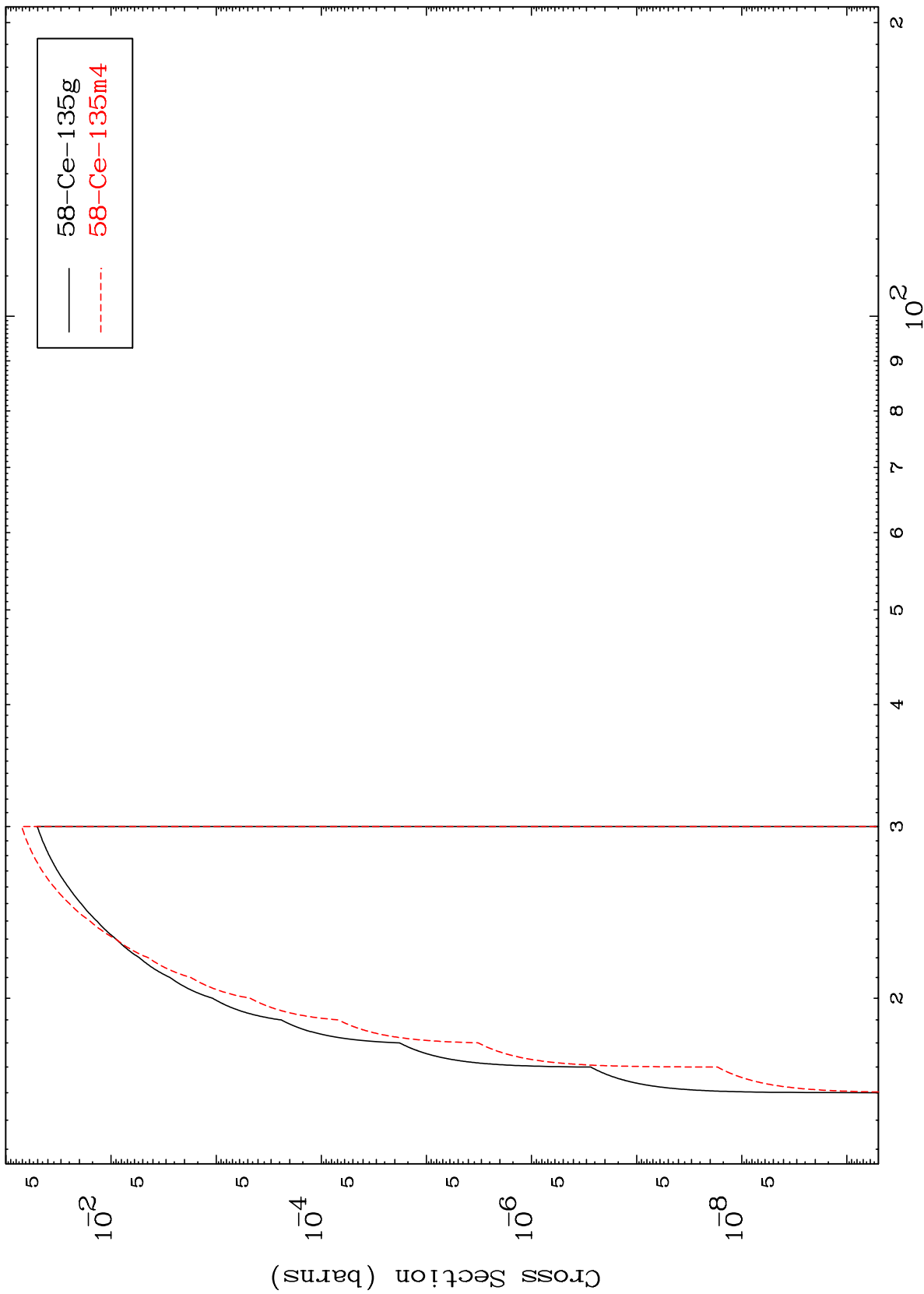


141

Incident Energy (MeV)

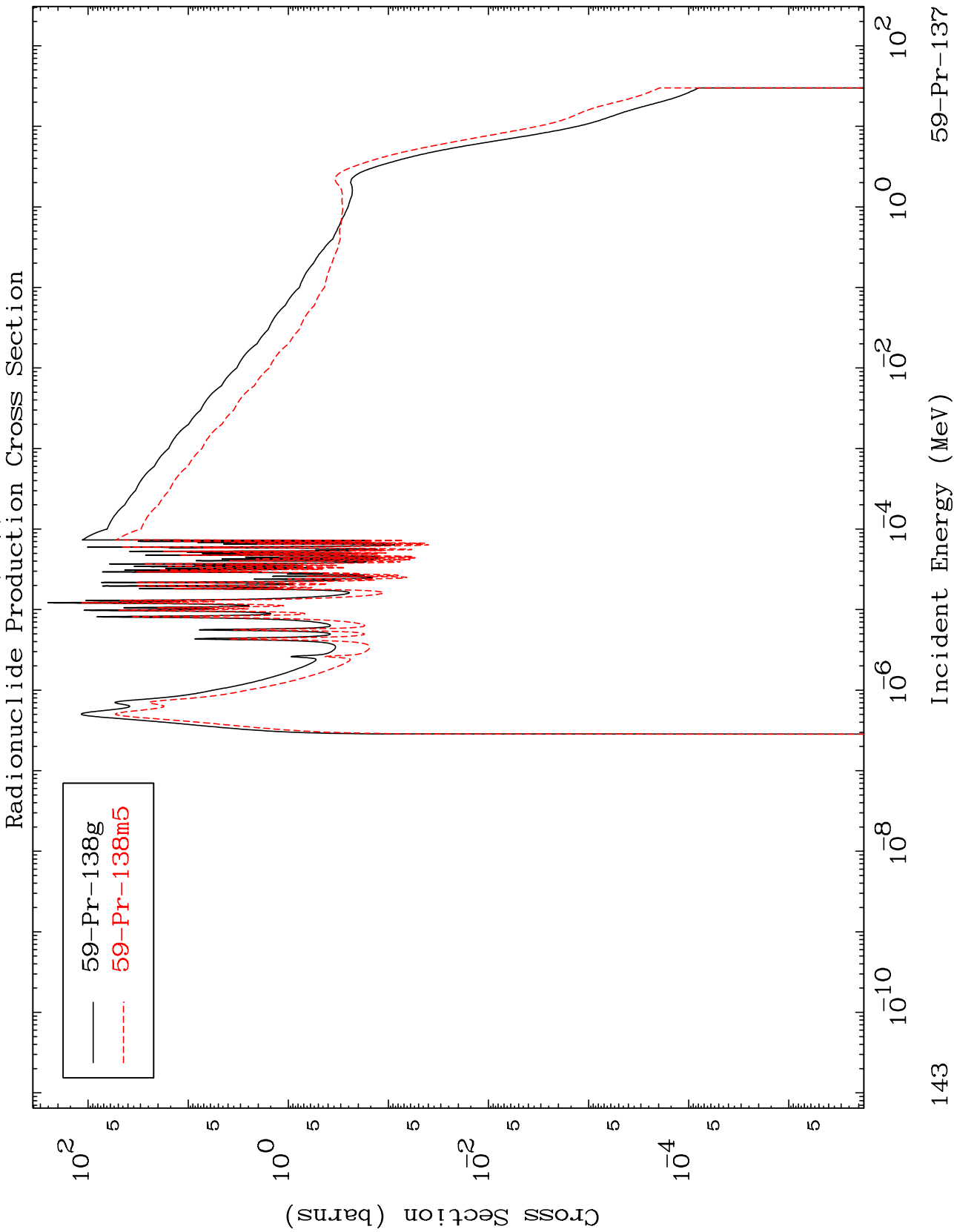
59-Pr-137

Radionuclide Production Cross Section



MAT 5913

59-Pr-137

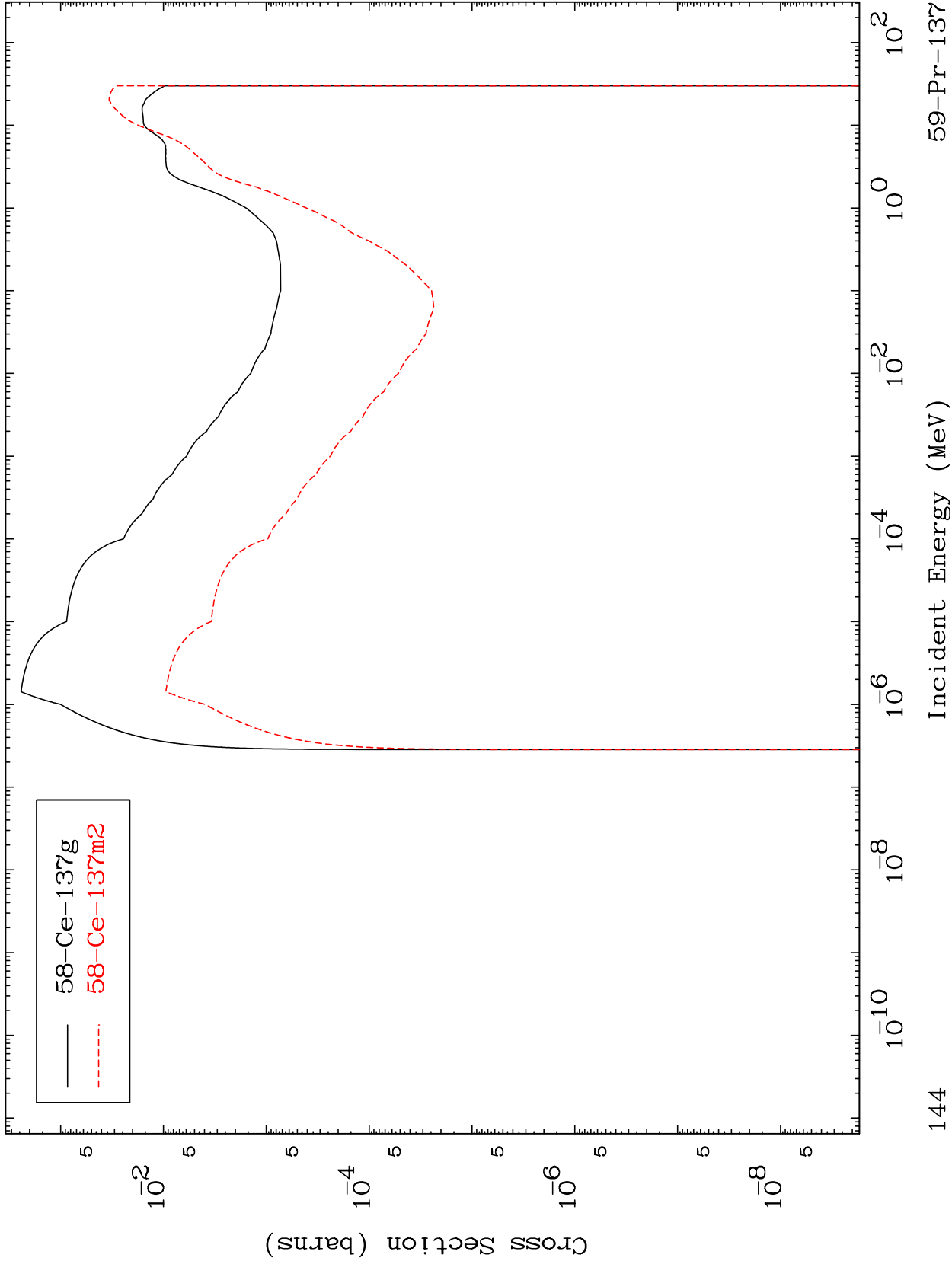




MAT 5913

59-Pr-137

(n,p)  
Radionuclide Production Cross Section

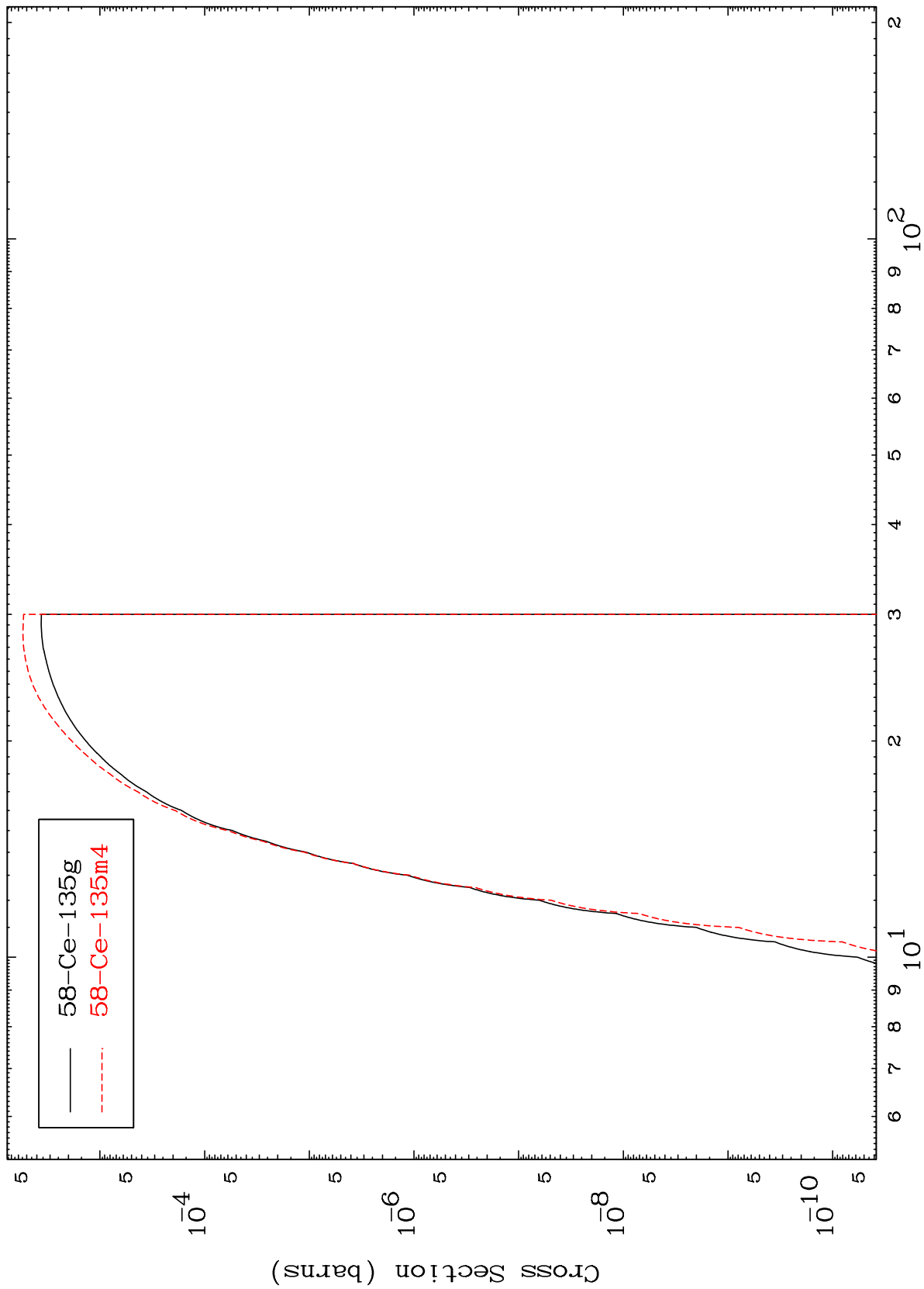


144

MAT 5913

59-Pr-137

Radionuclide Production Cross Section (n,t)



Incident Energy (MeV)

59-Pr-137

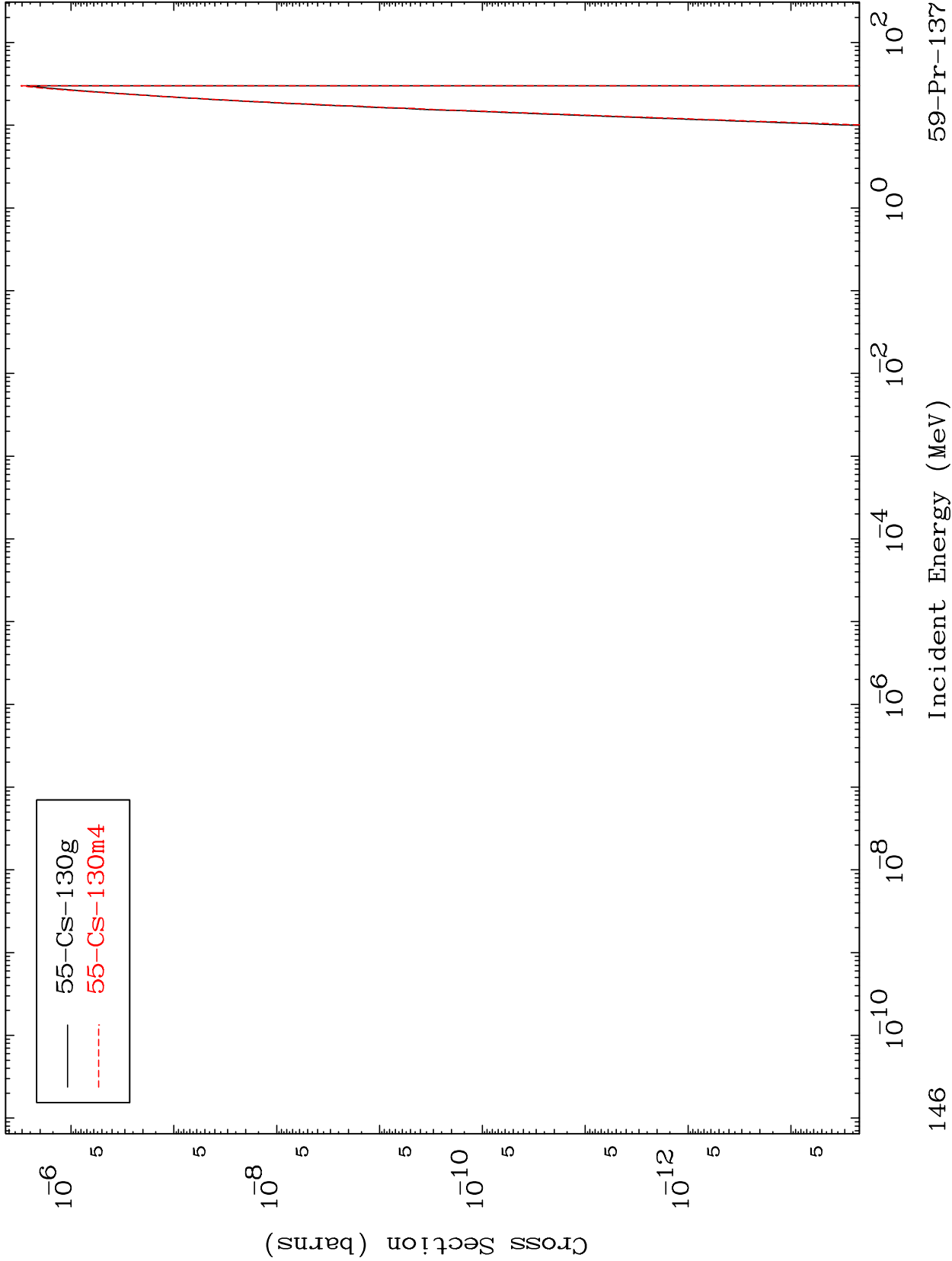
145

MAT 5913

(n,2α)

59-Pr-137

Radionuclide Production Cross Section



MAT 5913

(n,p)  $\alpha$

59-Pr-137

Radionuclide Production Cross Section

