

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

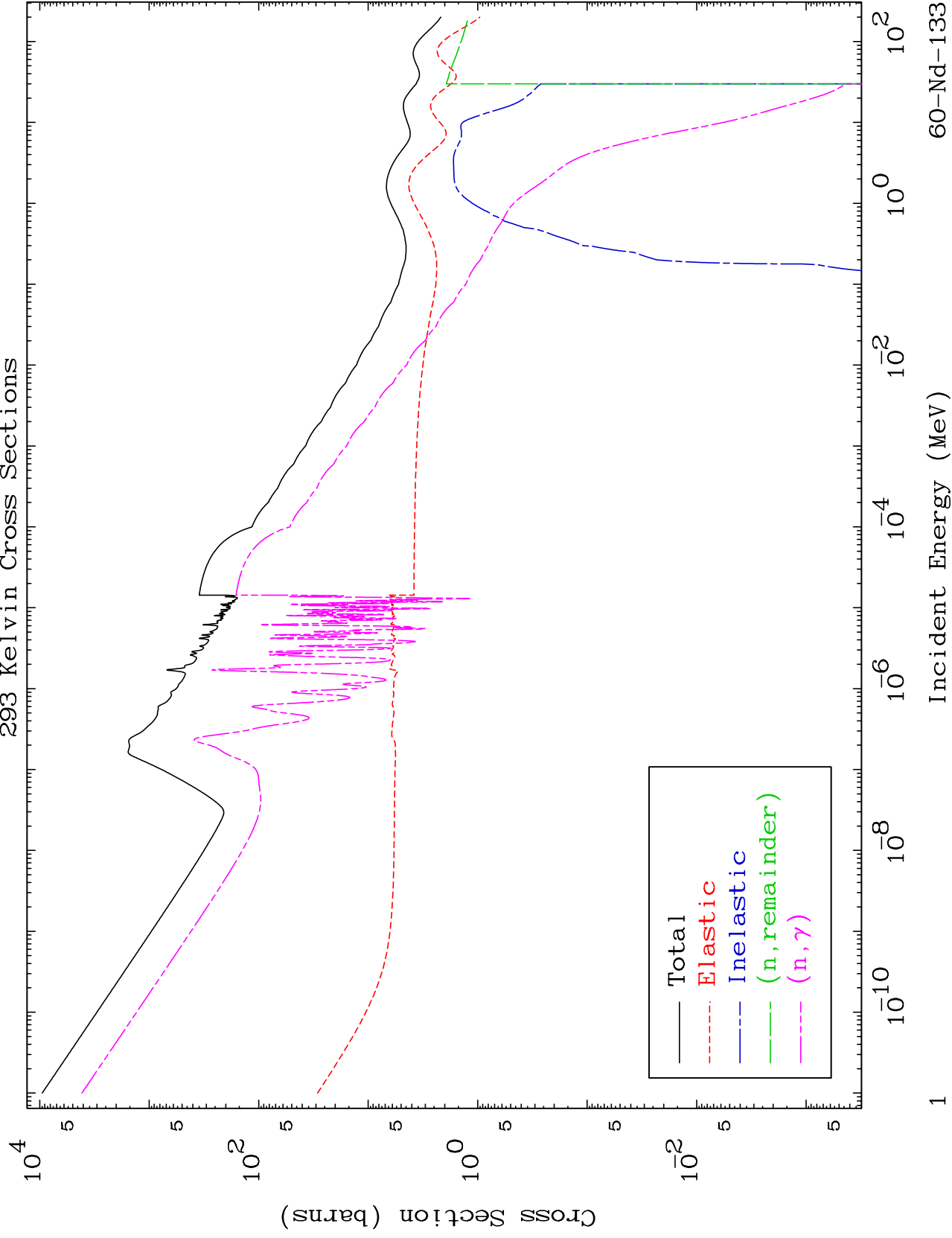
Press Mouse Button to Start

MAT 5998

Major

293 Kelvin Cross Sections

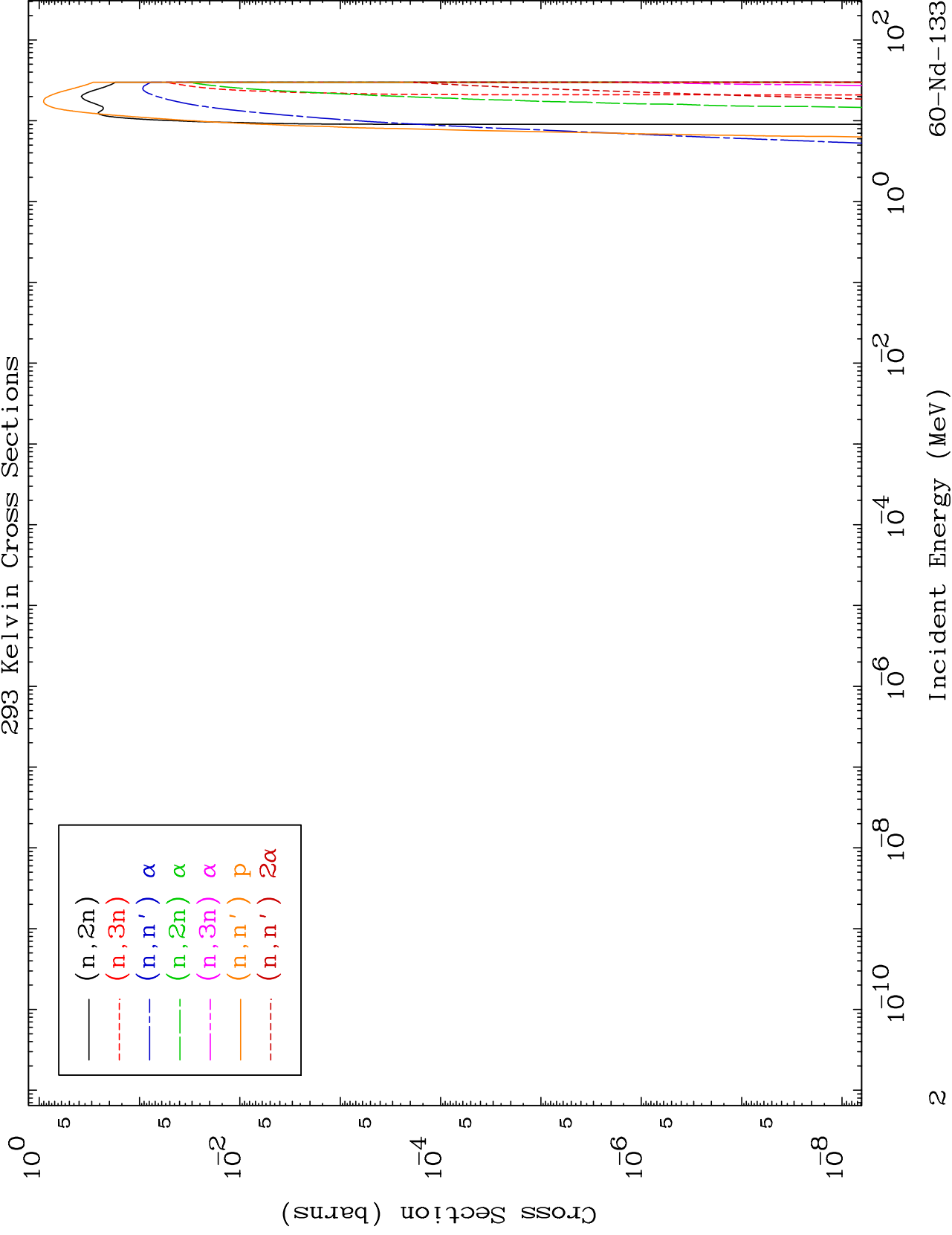
60-Nd-133

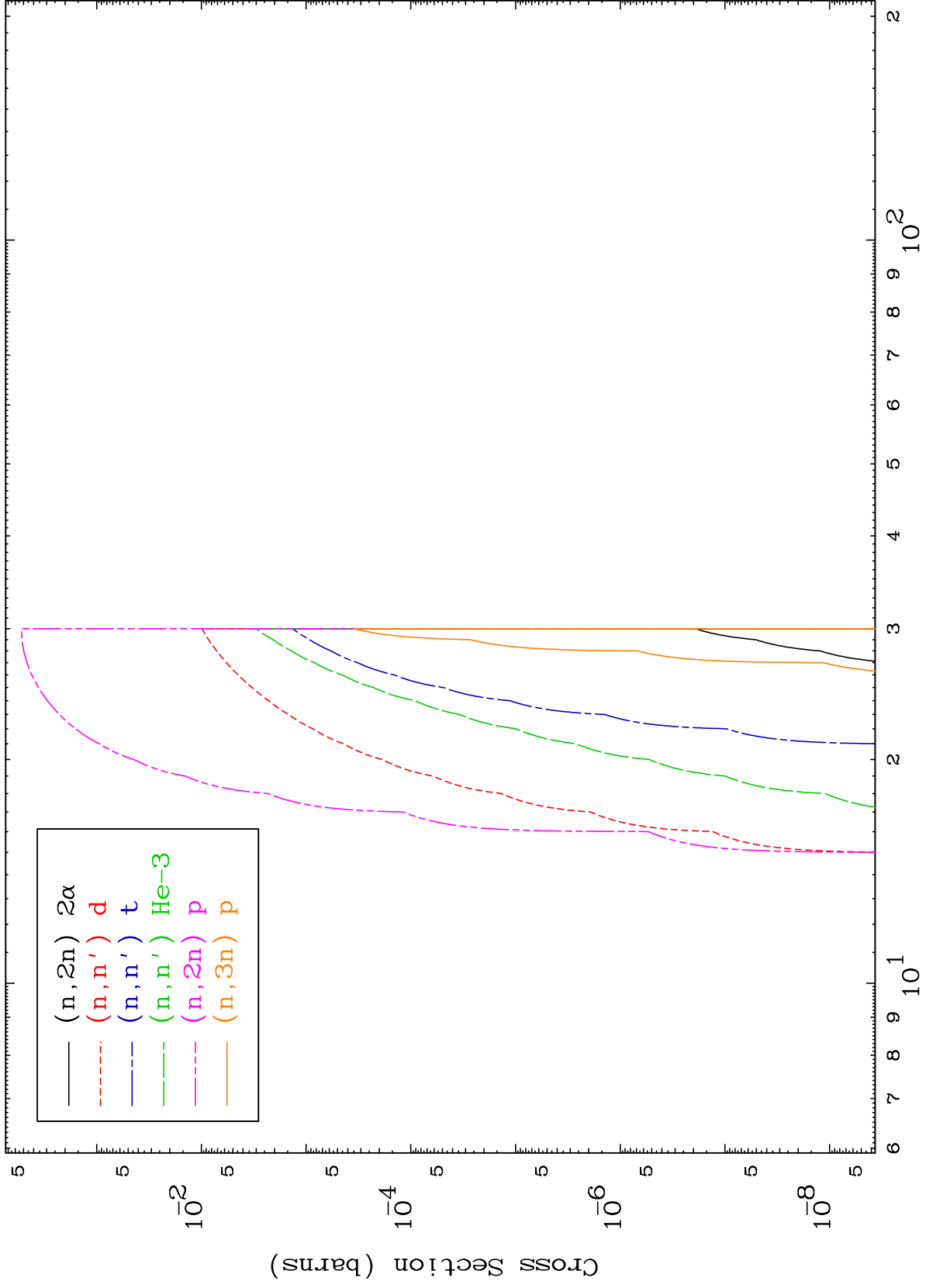


MAT 5998

Neutron Production
293 Kelvin Cross Sections

60-Nd-133

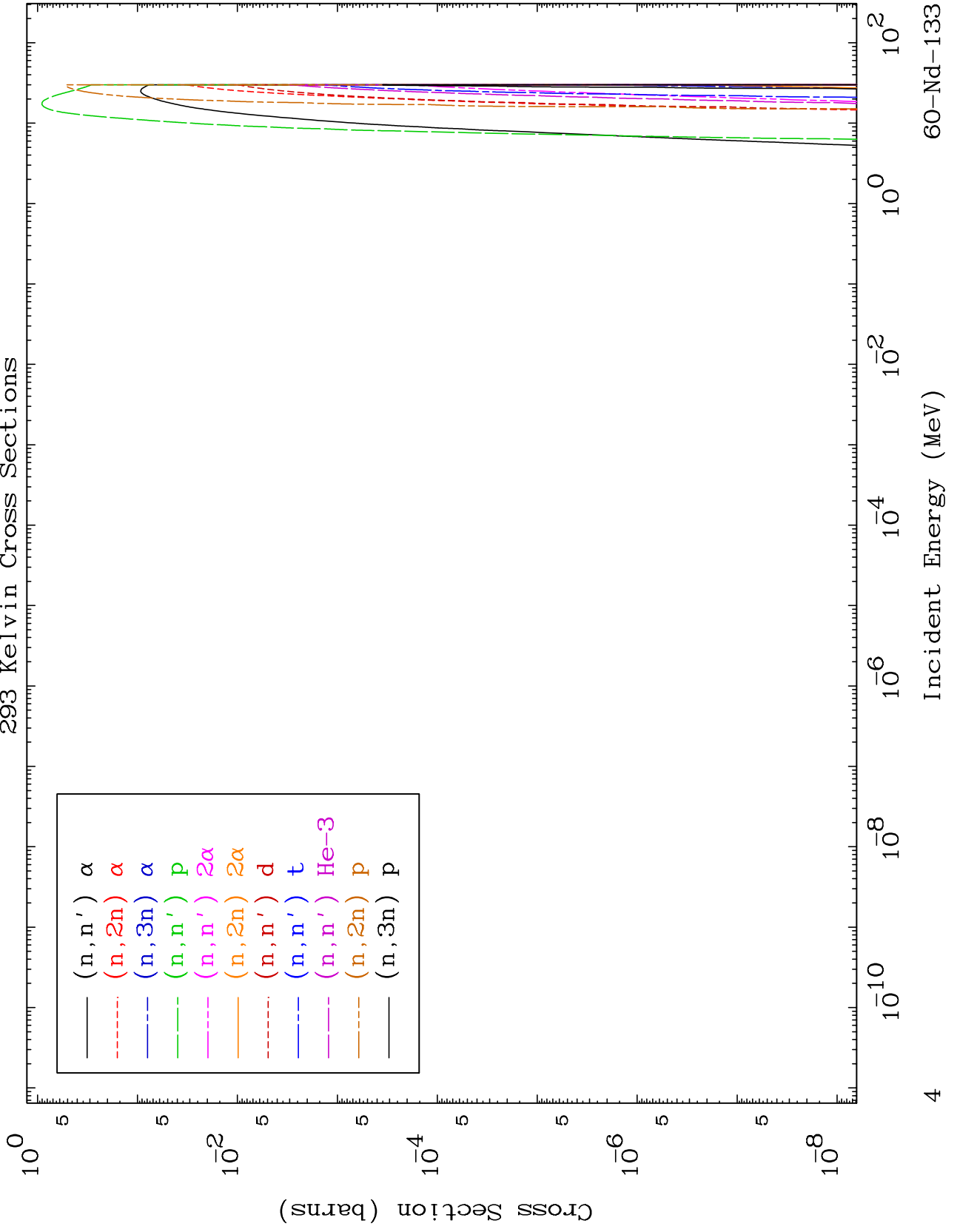




MAT 5998

Charged Particle
293 Kelvin Cross Sections

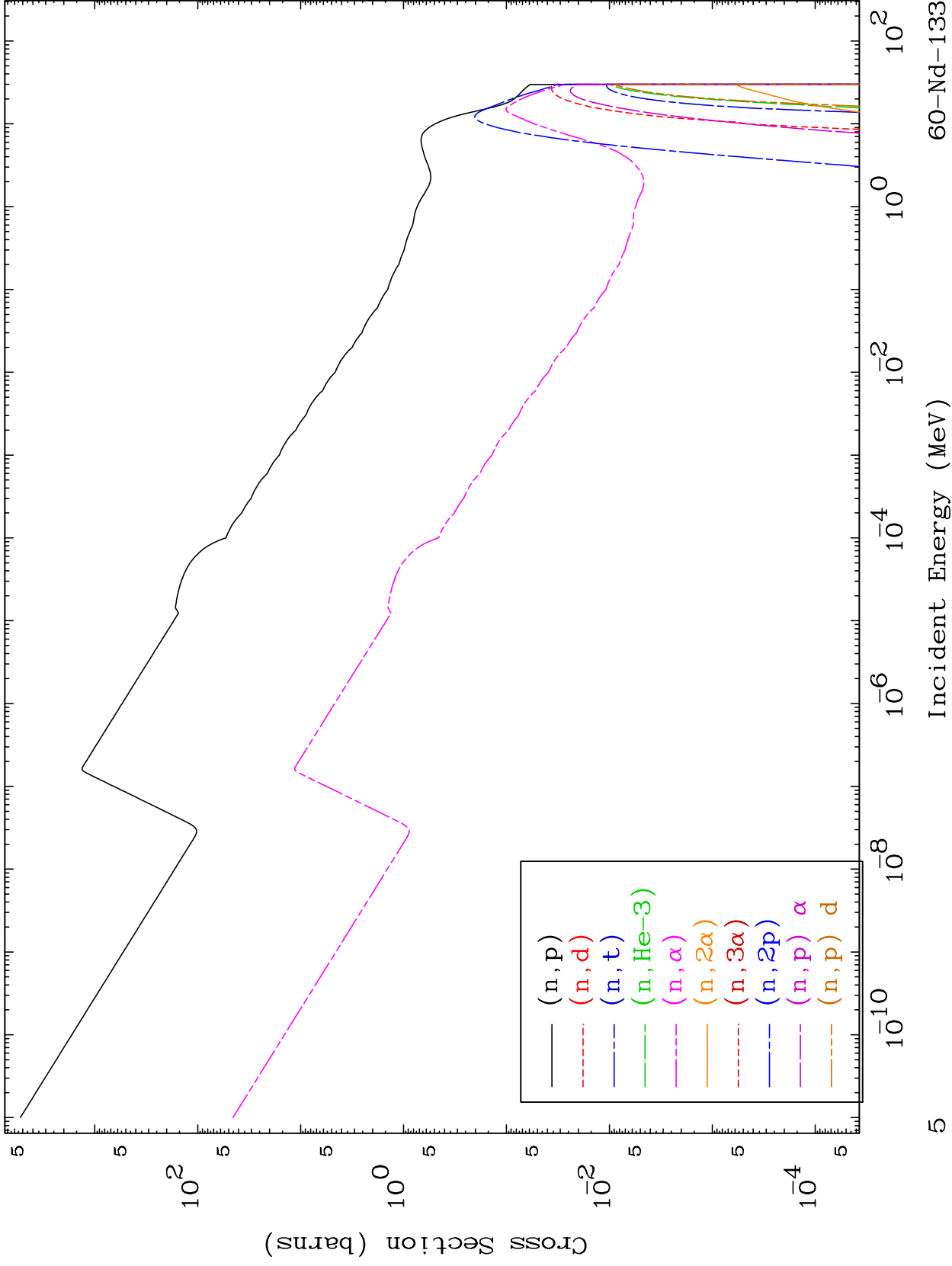
60-Nd-133



MAT 5998

Charged Particle
293 Kelvin Cross Sections

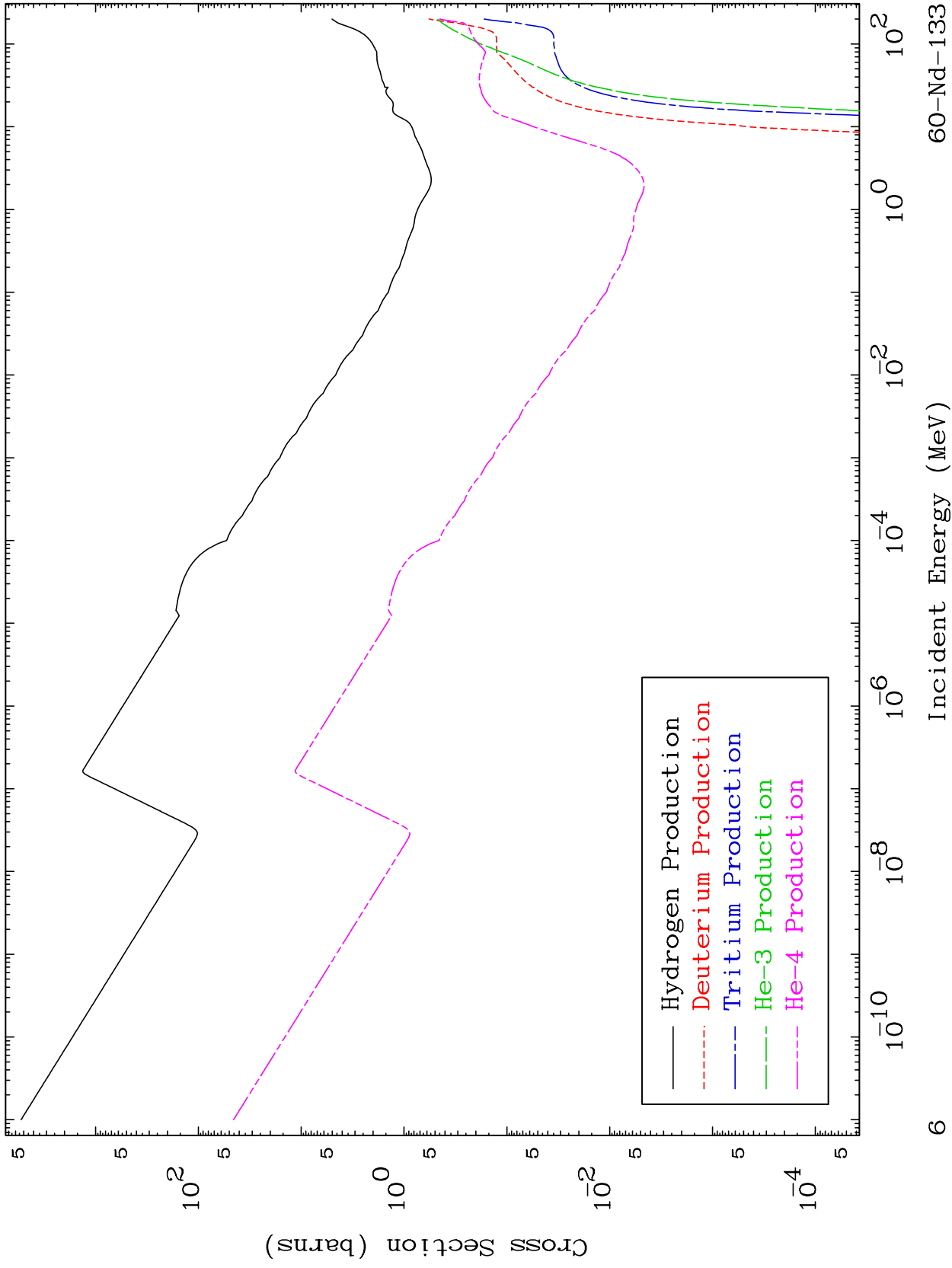
60-Nd-133



MAT 5998

Particle Production
293 Kelvin Cross Sections

60-Nd-133

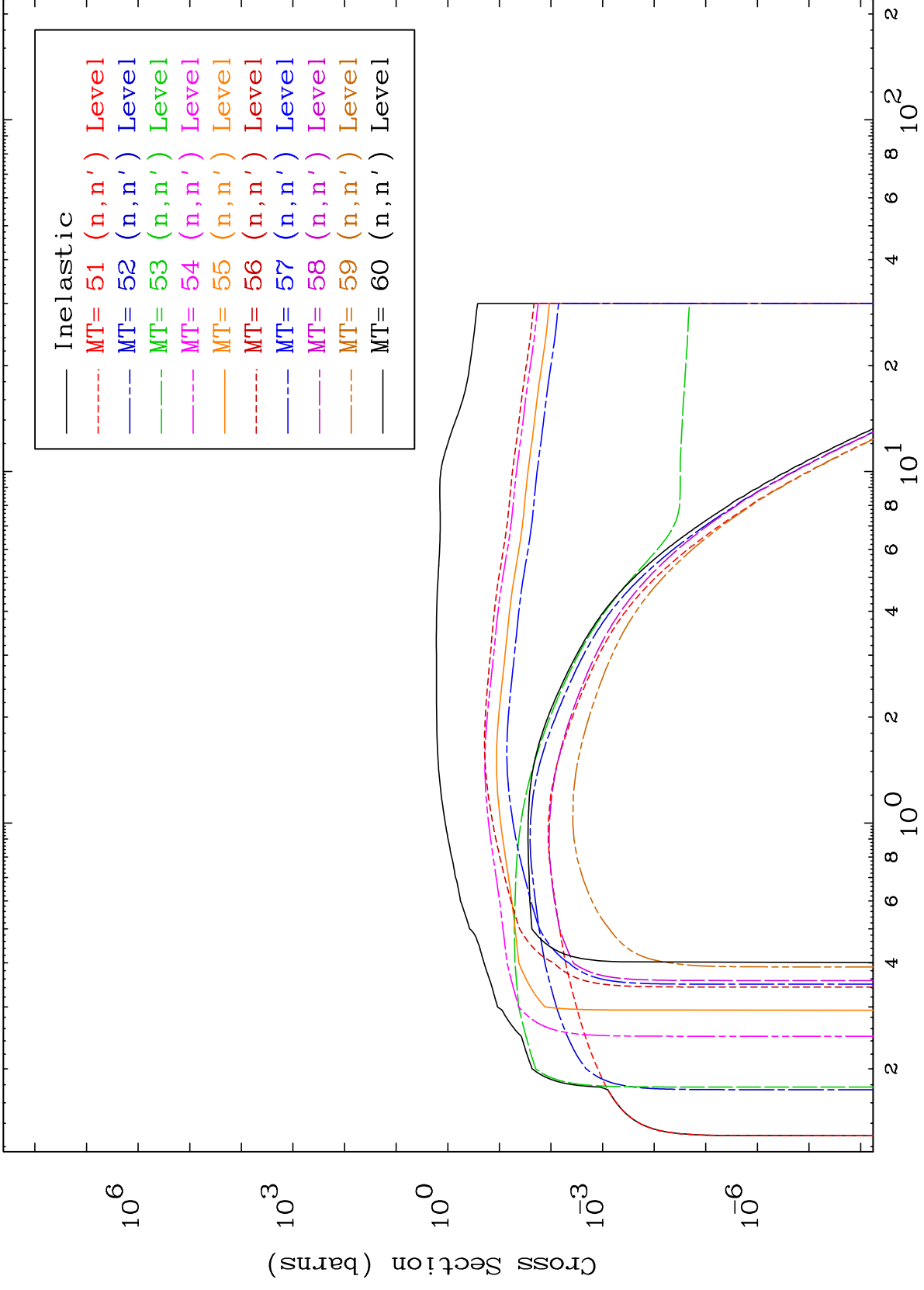


MAT 5998

(n,n') Level

60-Nd-133

293 Kelvin Cross Sections

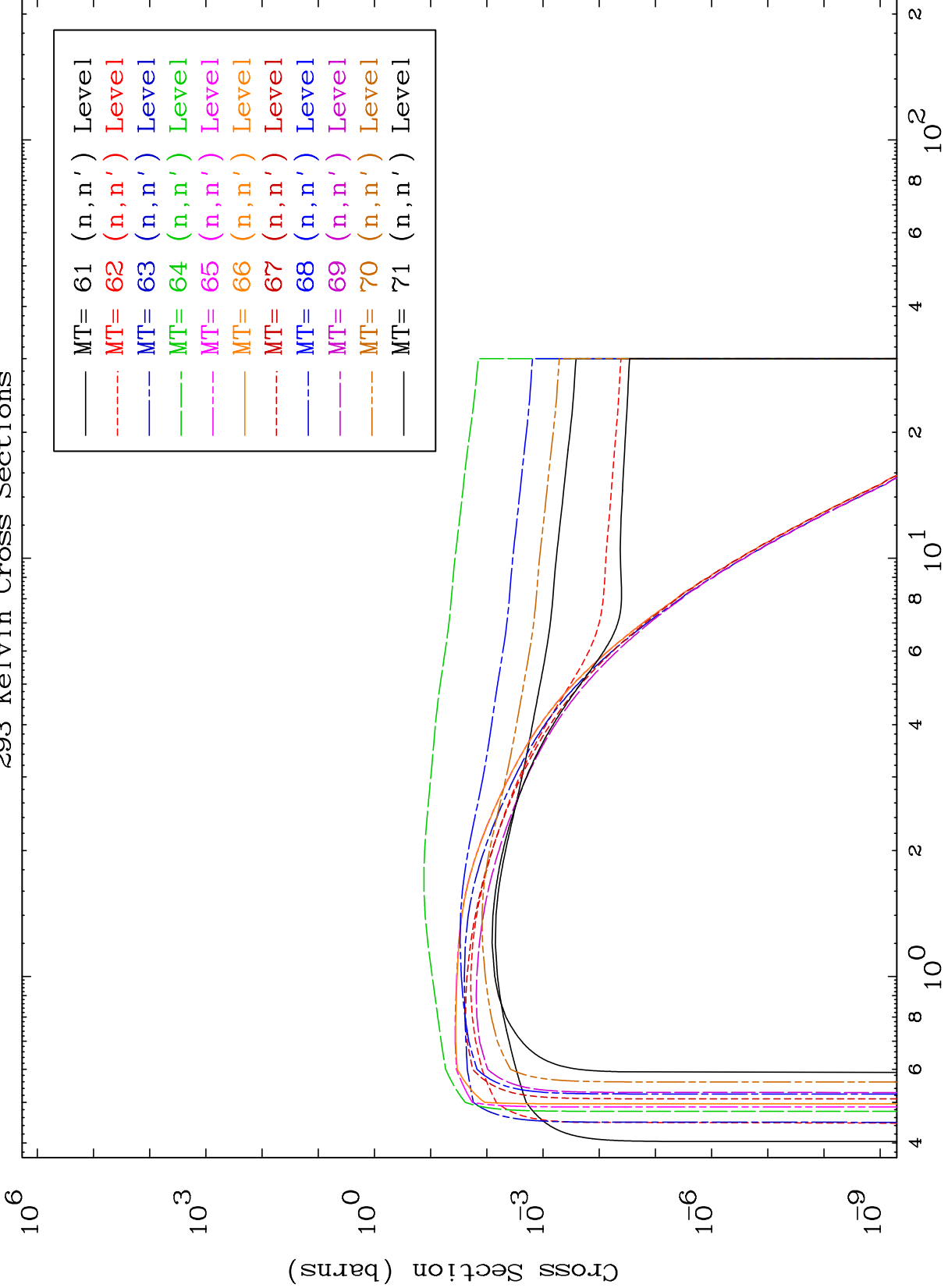


MAT 5998

(n,n') Level

60-Nd-133

293 Kelvin Cross Sections



Incident Energy (MeV)

60-Nd-133

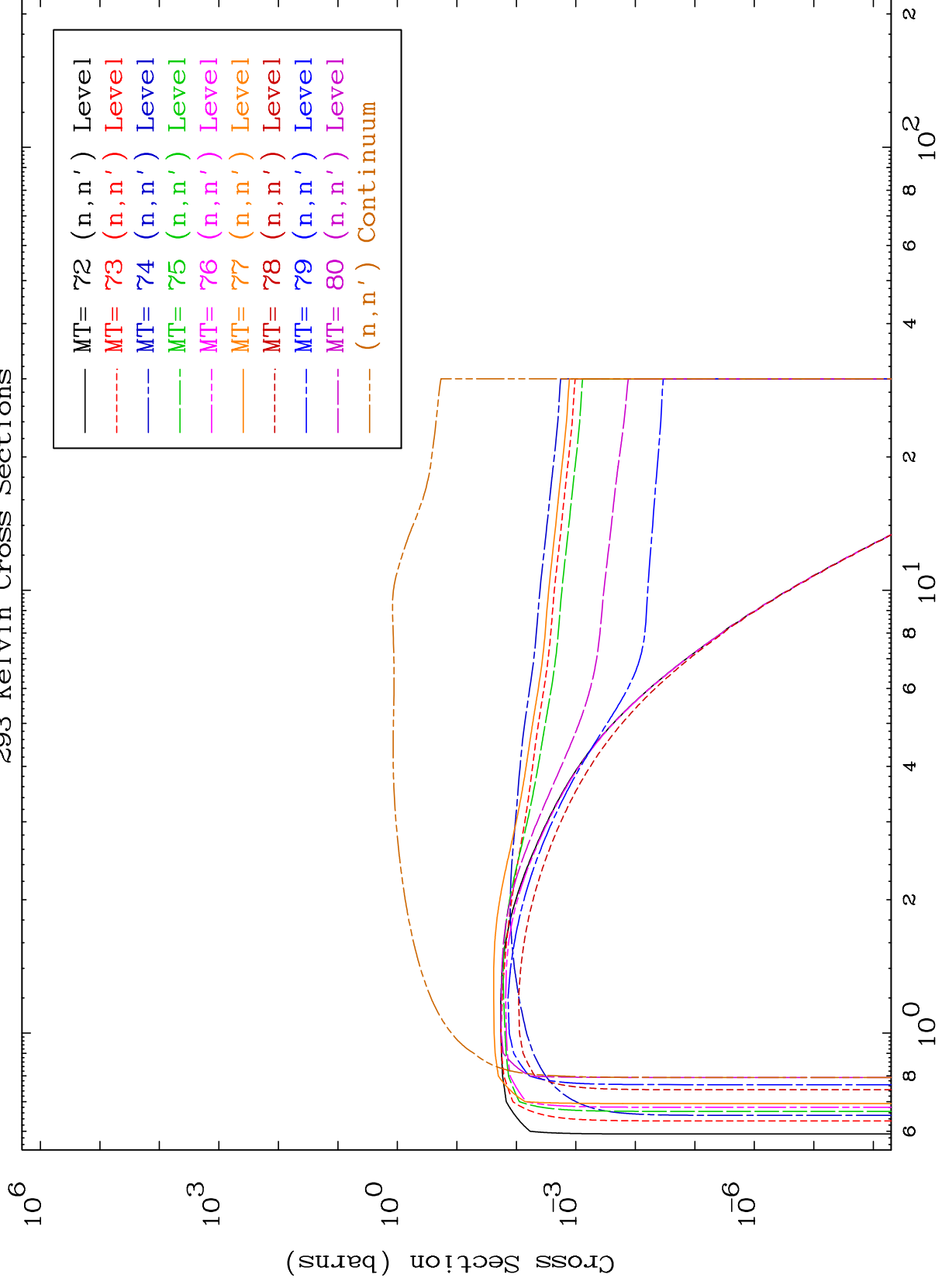
8

MAT 5998

(n,n') Level

60-Nd-133

293 Kelvin Cross Sections



9

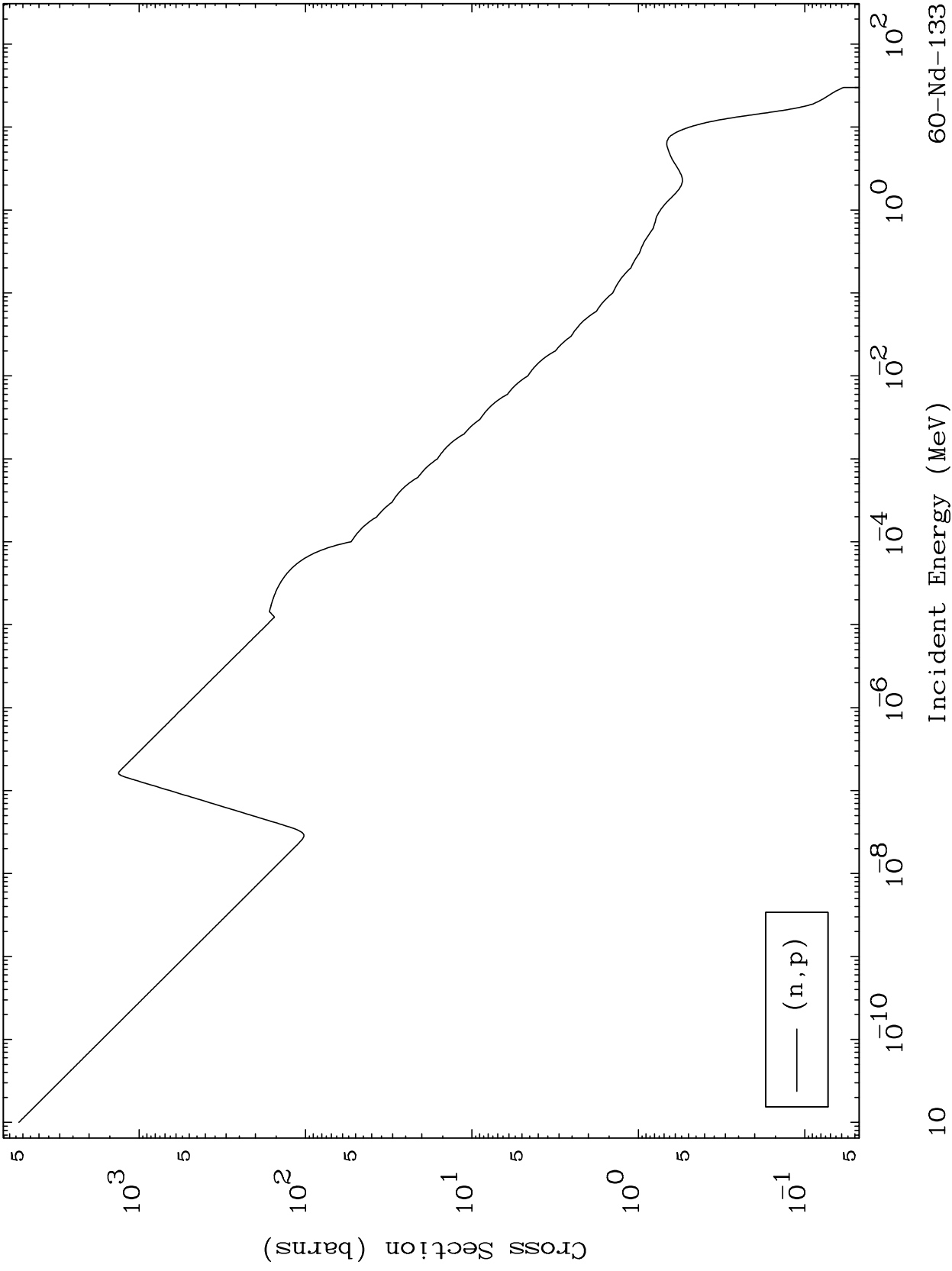
Incident Energy (MeV)

60-Nd-133

MAT 5998

(n,p) Levels
293 Kelvin Cross Sections

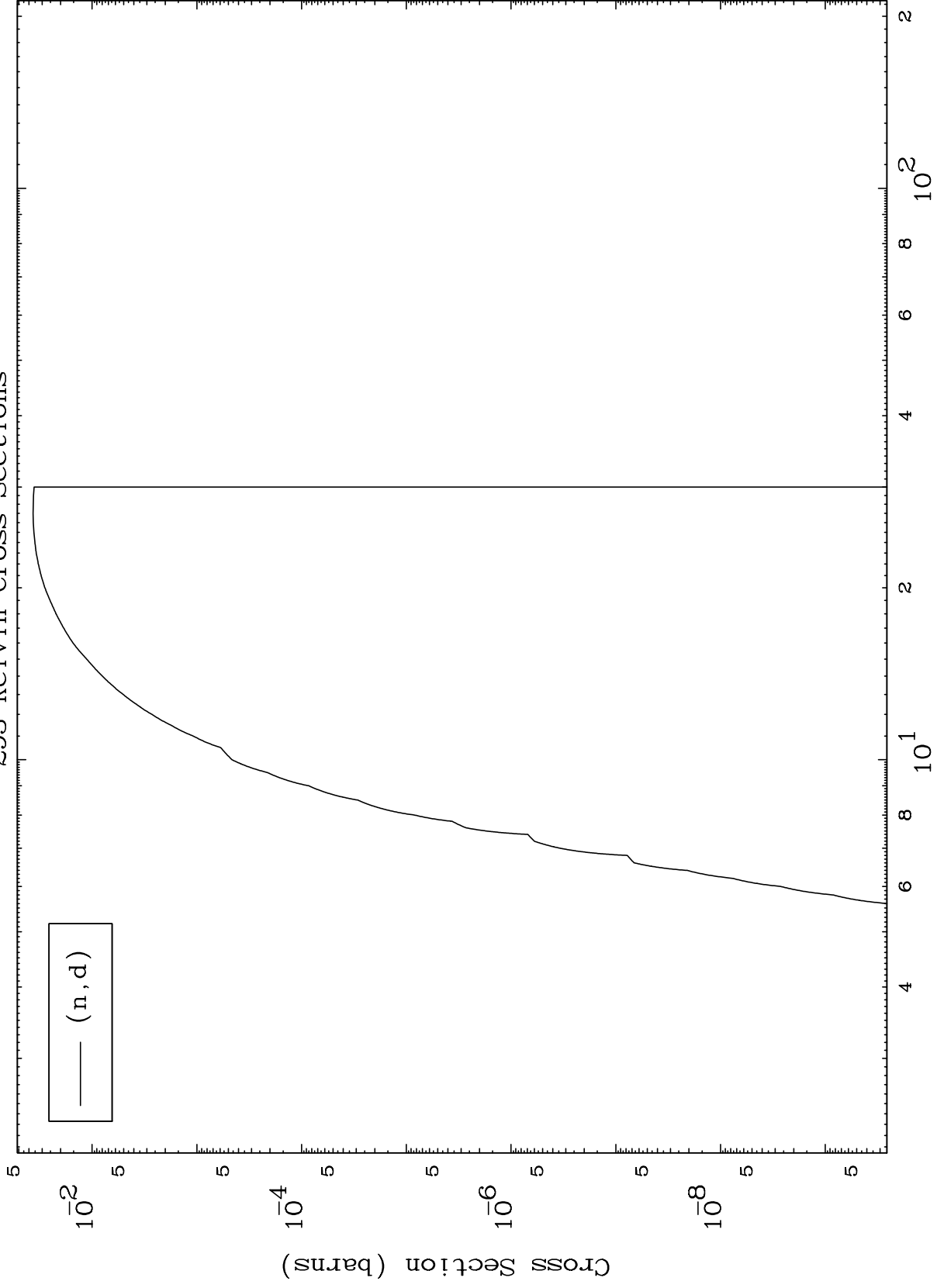
60-Nd-133



MAT 5998

(n,d) Levels
293 Kelvin Cross Sections

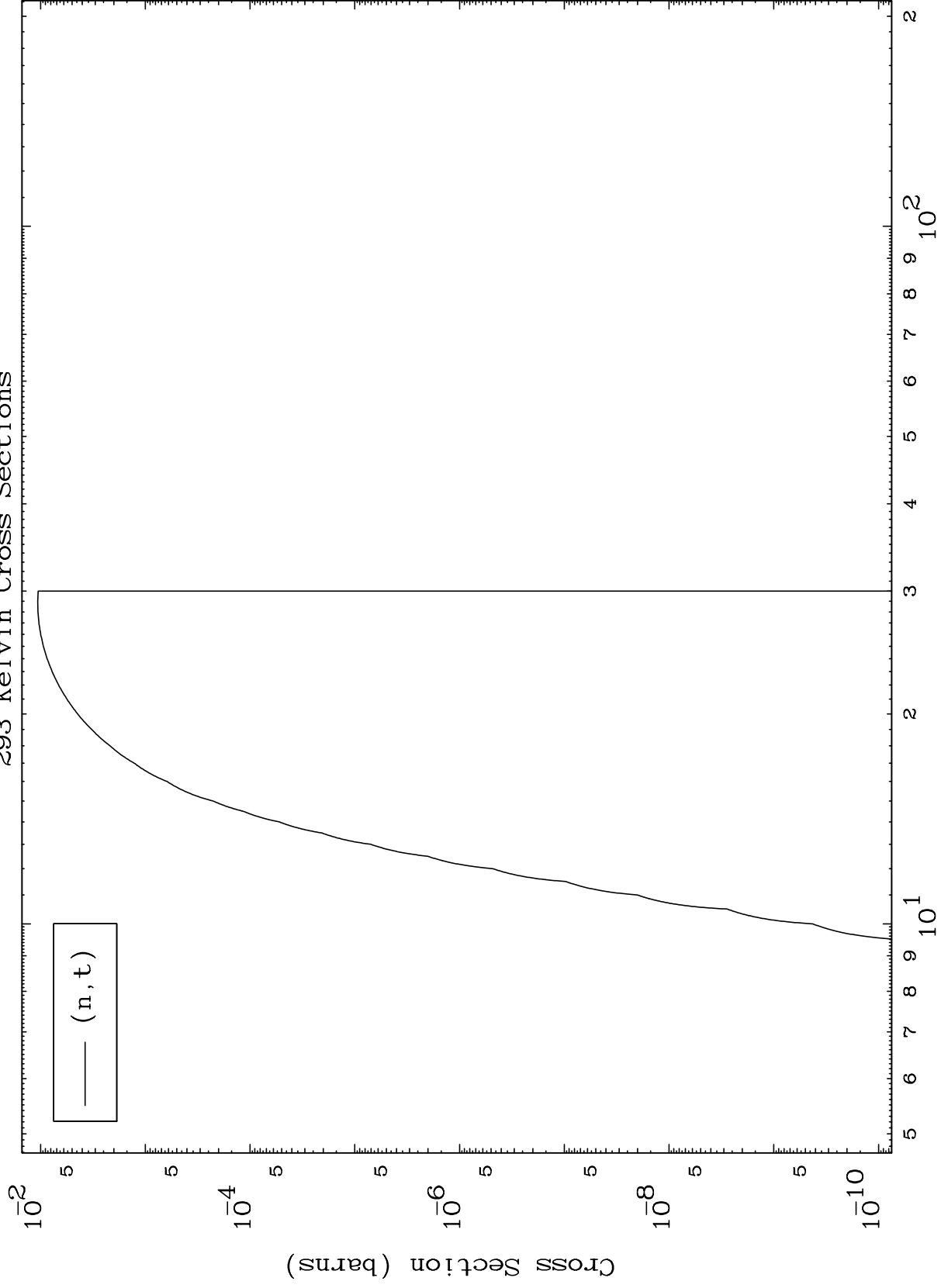
60-Nd-133



MAT 5998

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-133



12

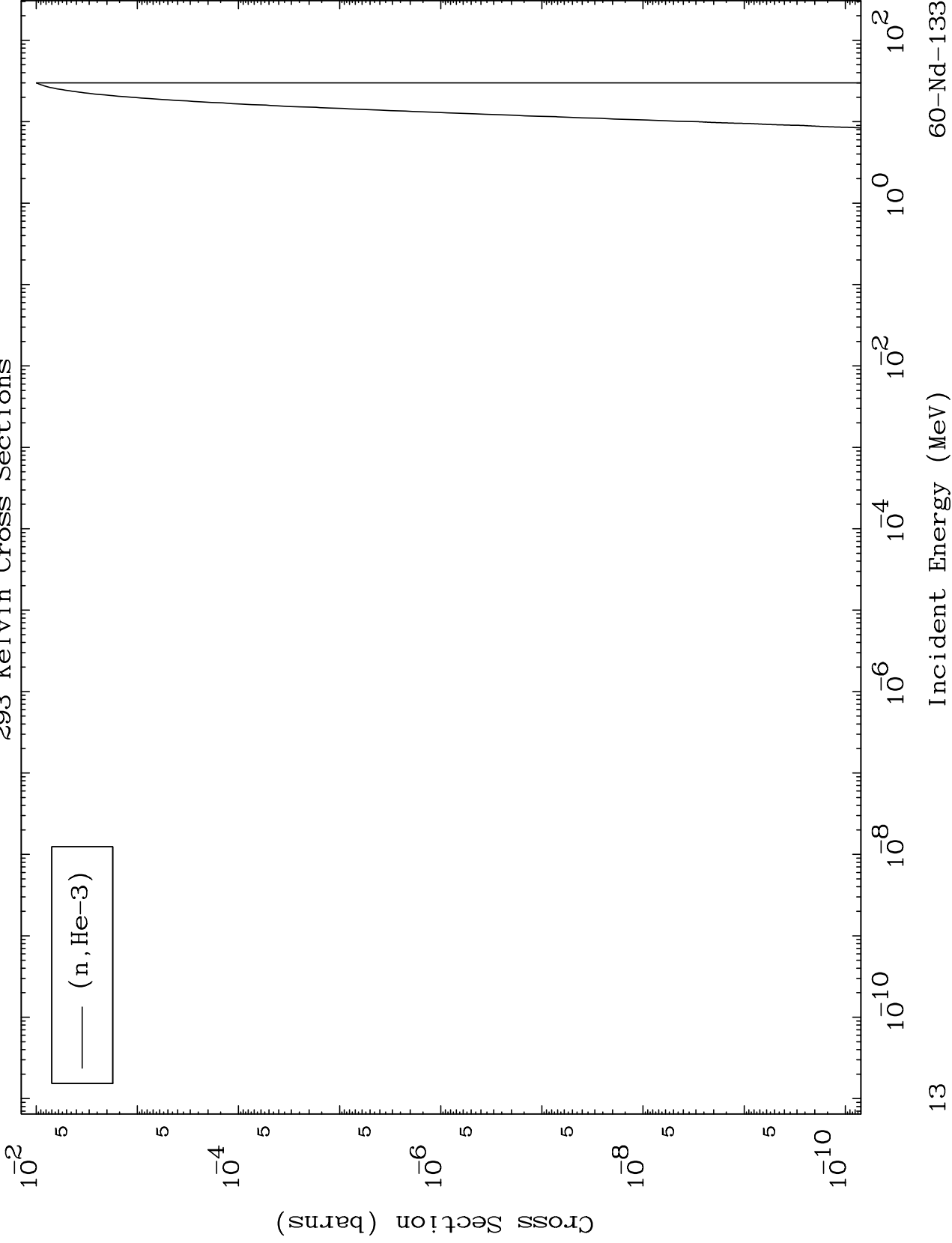
Incident Energy (MeV)

60-Nd-133

MAT 5998

(n,He3) Levels
293 Kelvin Cross Sections

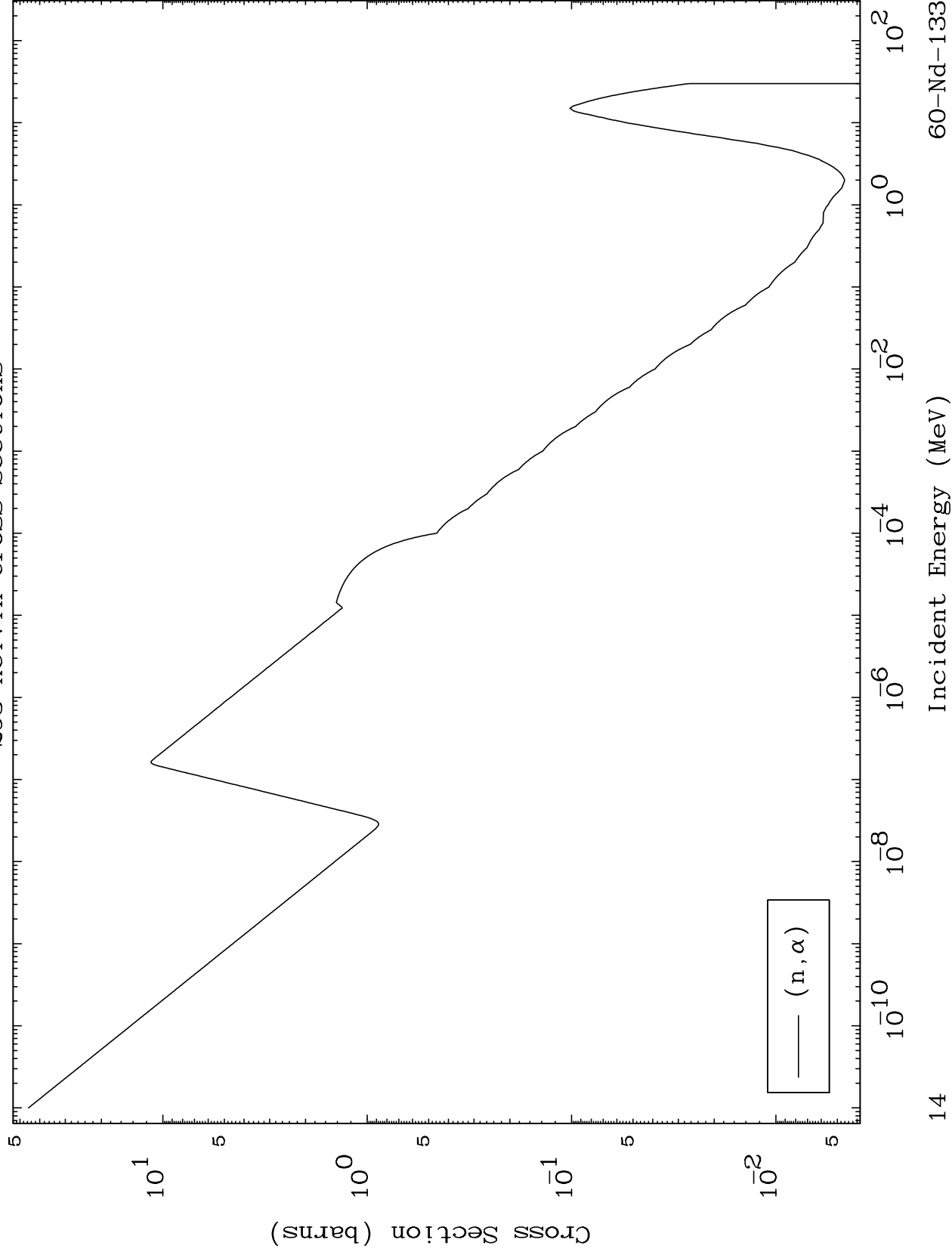
60-Nd-133

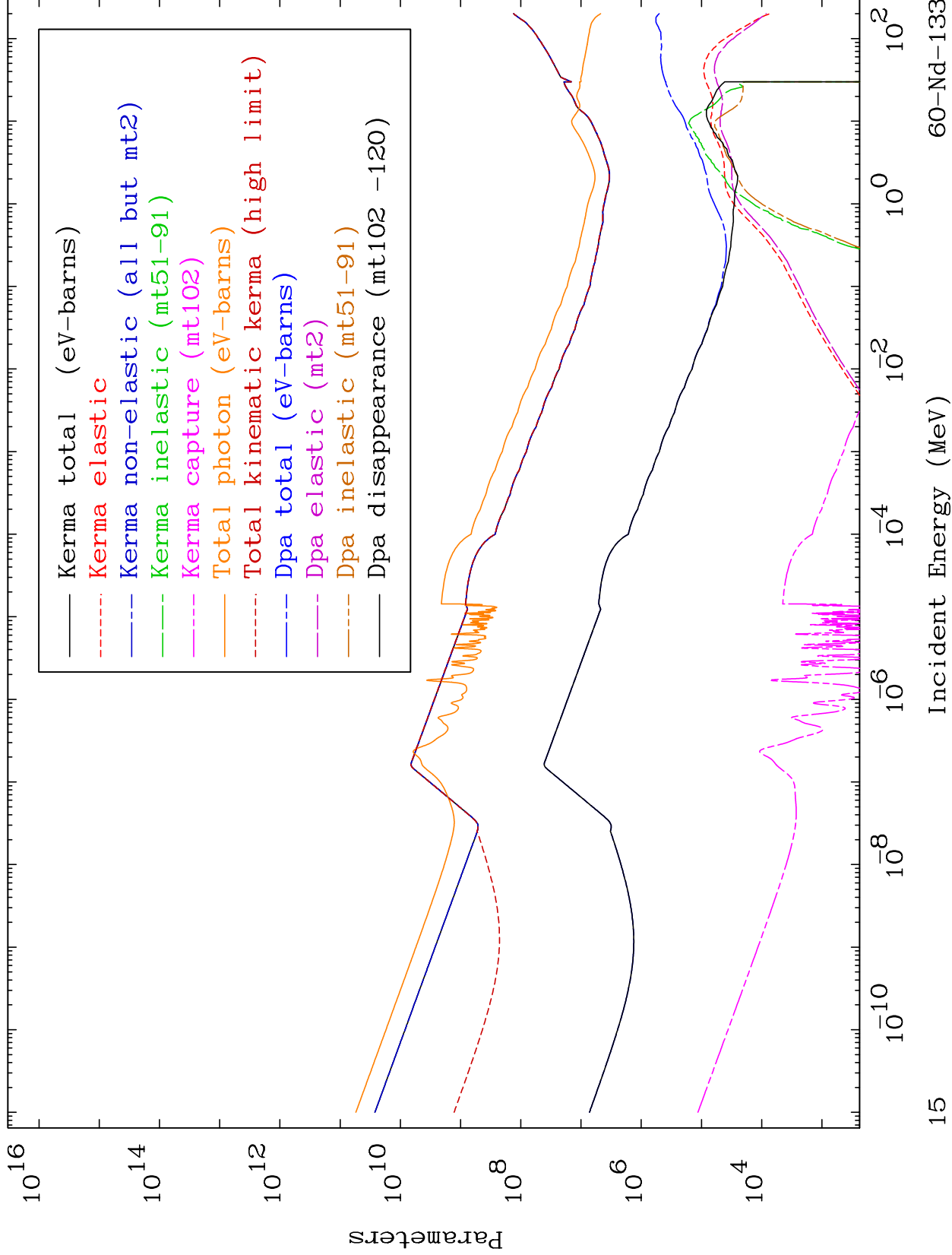


MAT 5998

(n,α) Levels
293 Kelvin Cross Sections

60-Nd-133

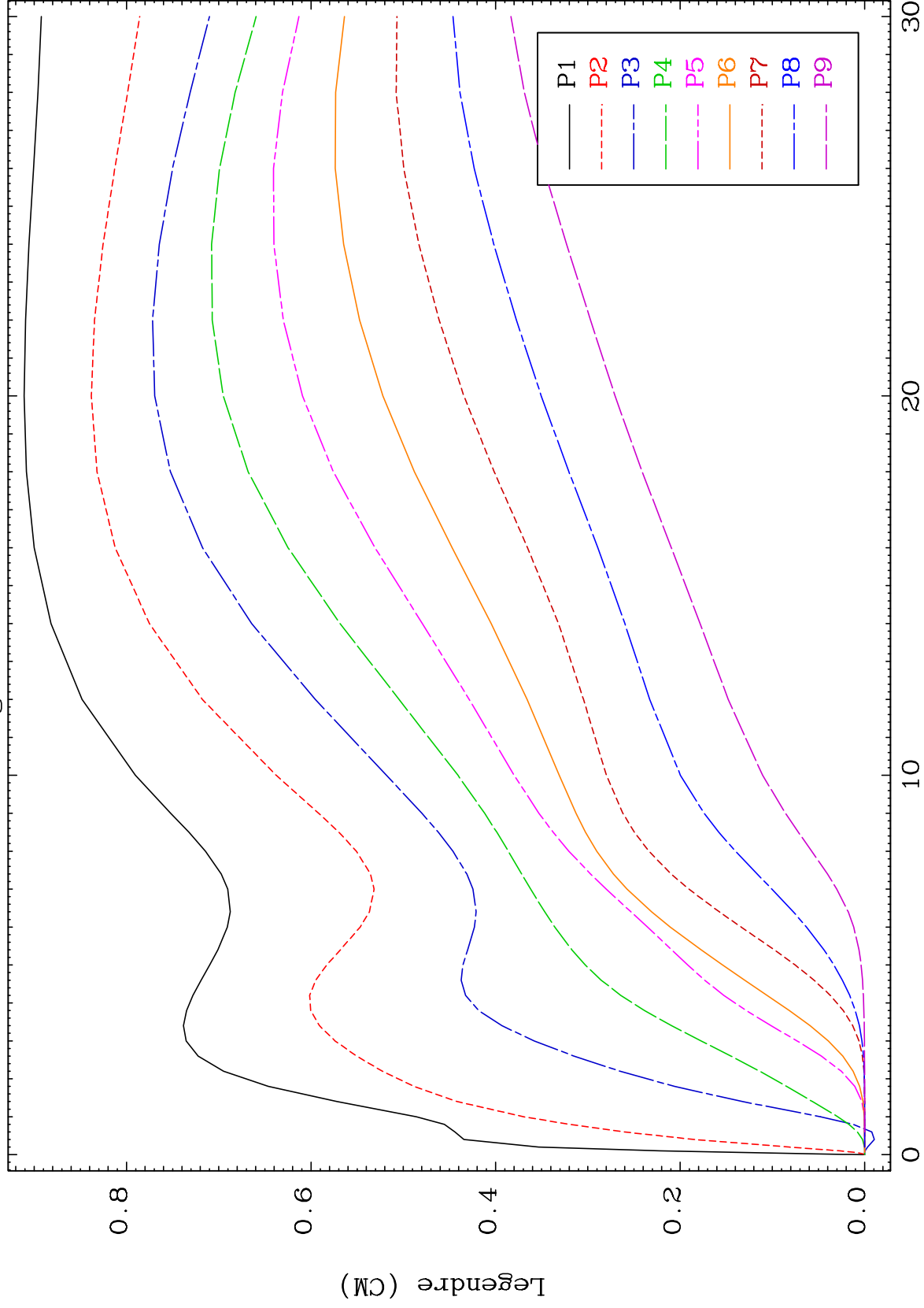




MAT 5998

Elastic Legendre Coefficients

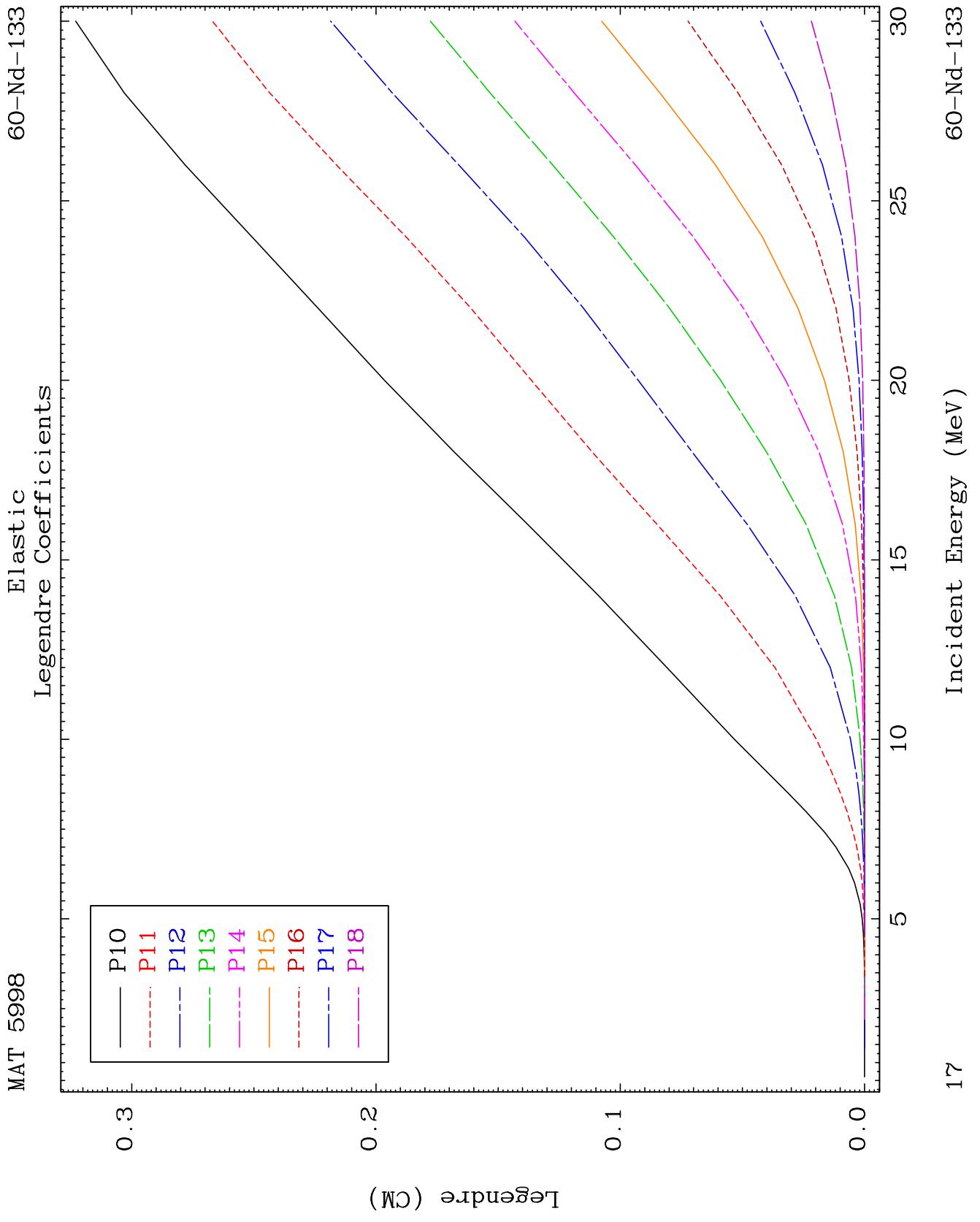
60-Nd-133



16

Incident Energy (MeV)

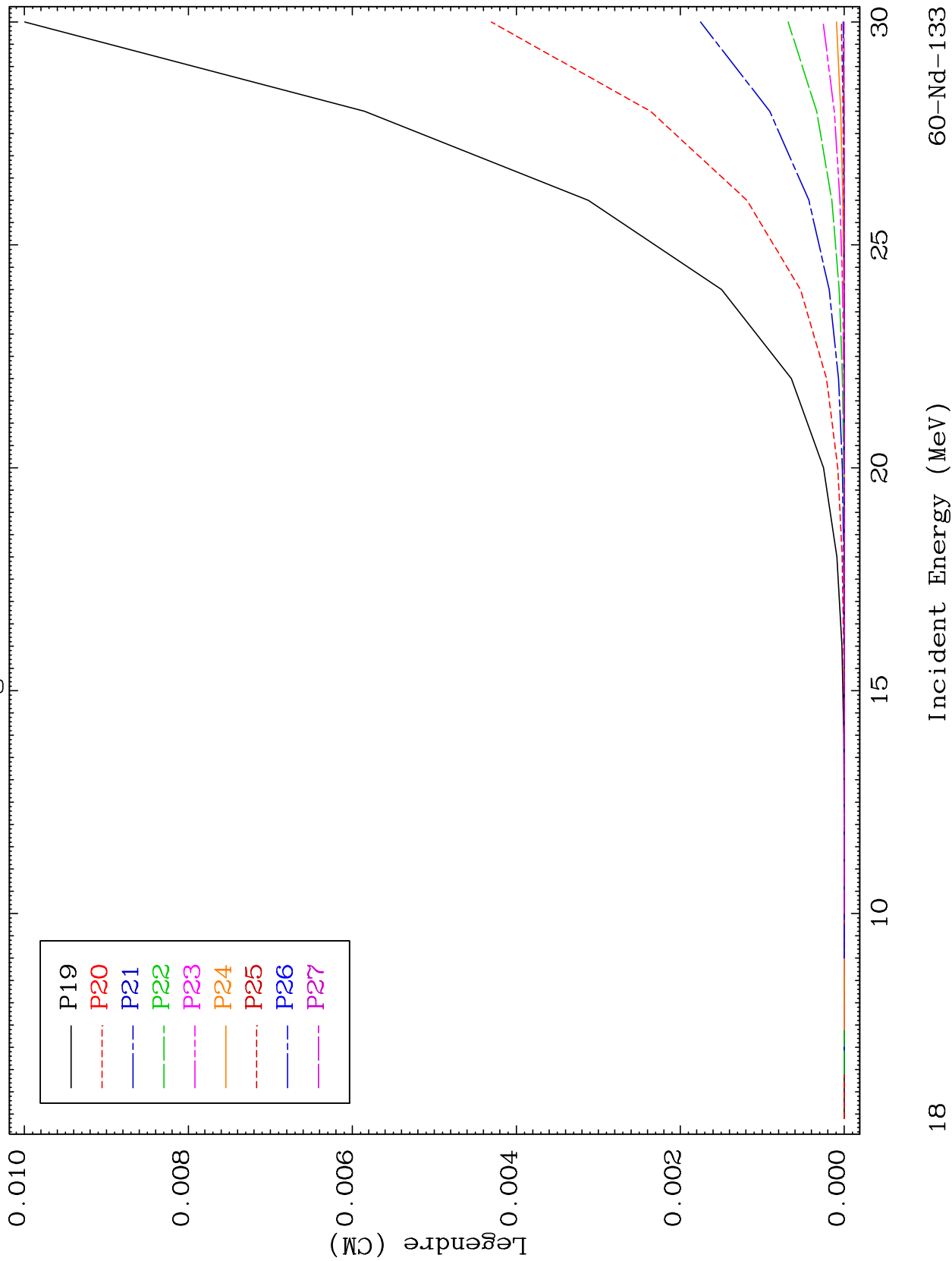
60-Nd-133



MAT 5998

Elastic Legendre Coefficients

60-Nd-133



18

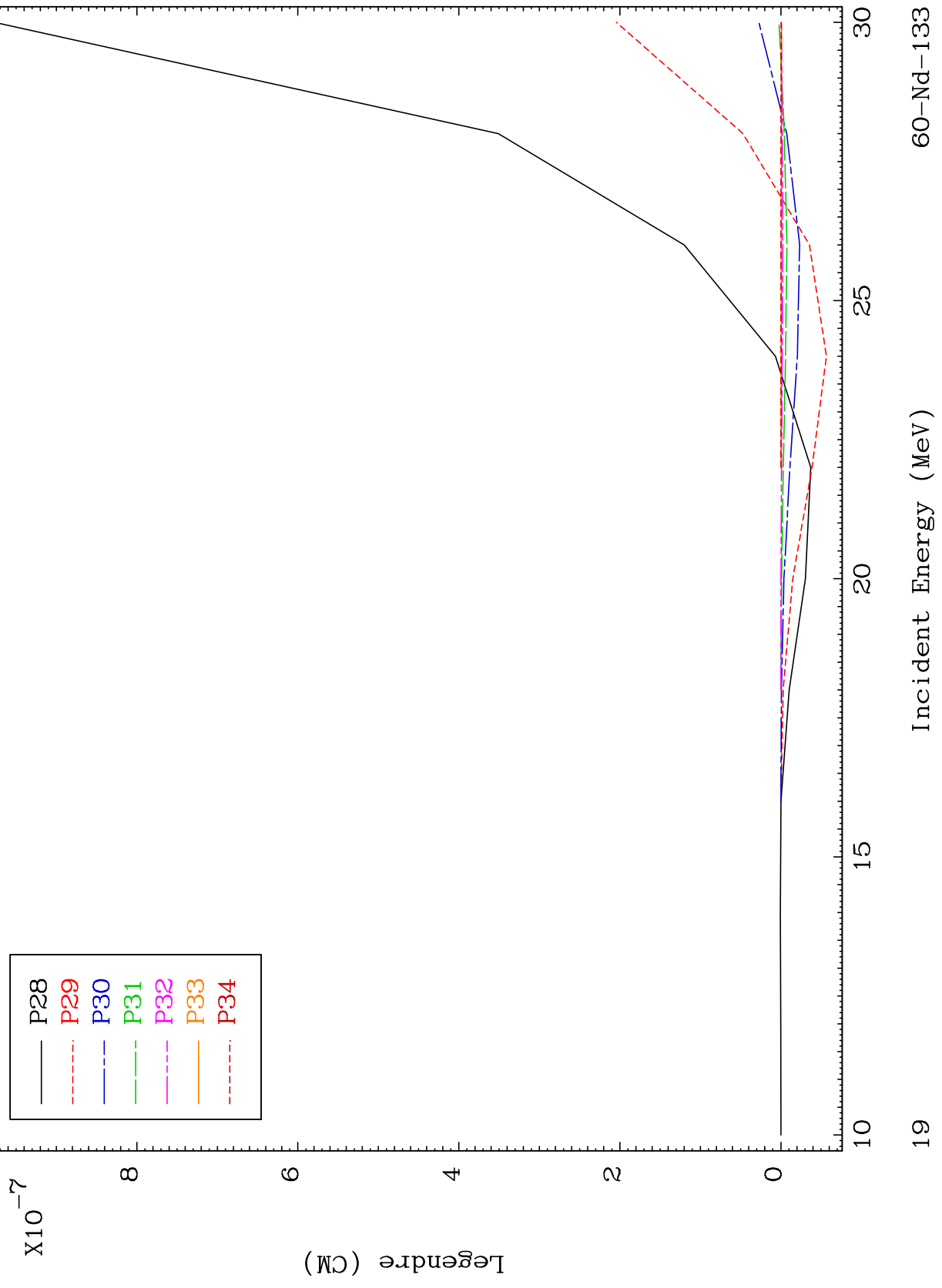
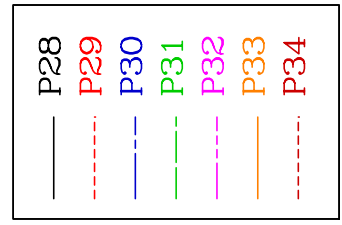
Incident Energy (MeV)

60-Nd-133

MAT 5998

Elastic
Legendre Coefficients

60-Nd-133



19

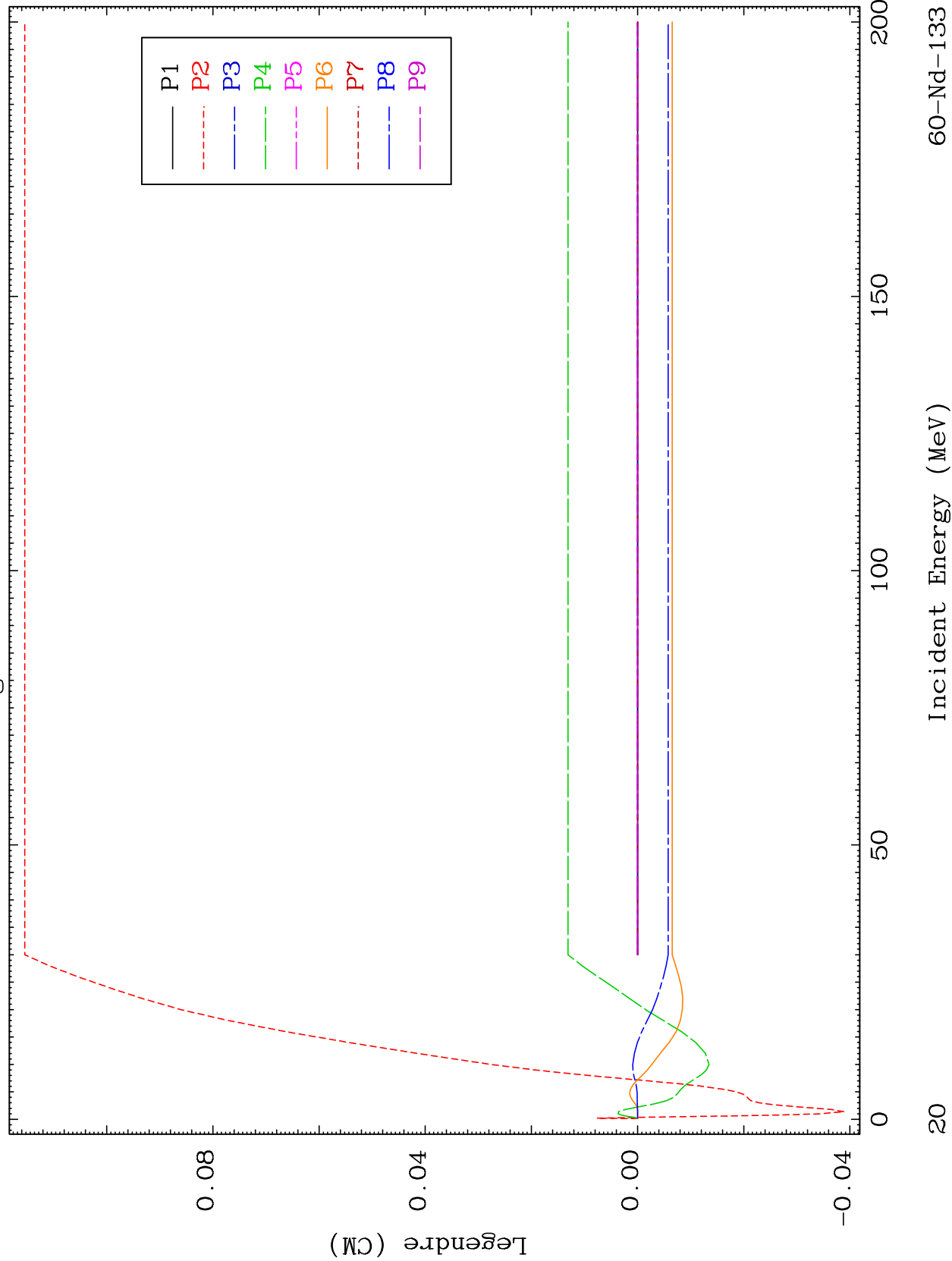
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

60-Nd-133



60-Nd-133

Incident Energy (MeV)

0

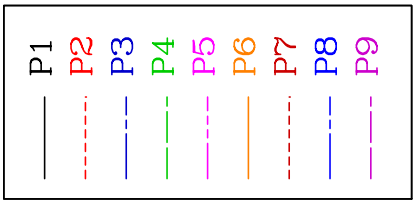
50

100

150

200

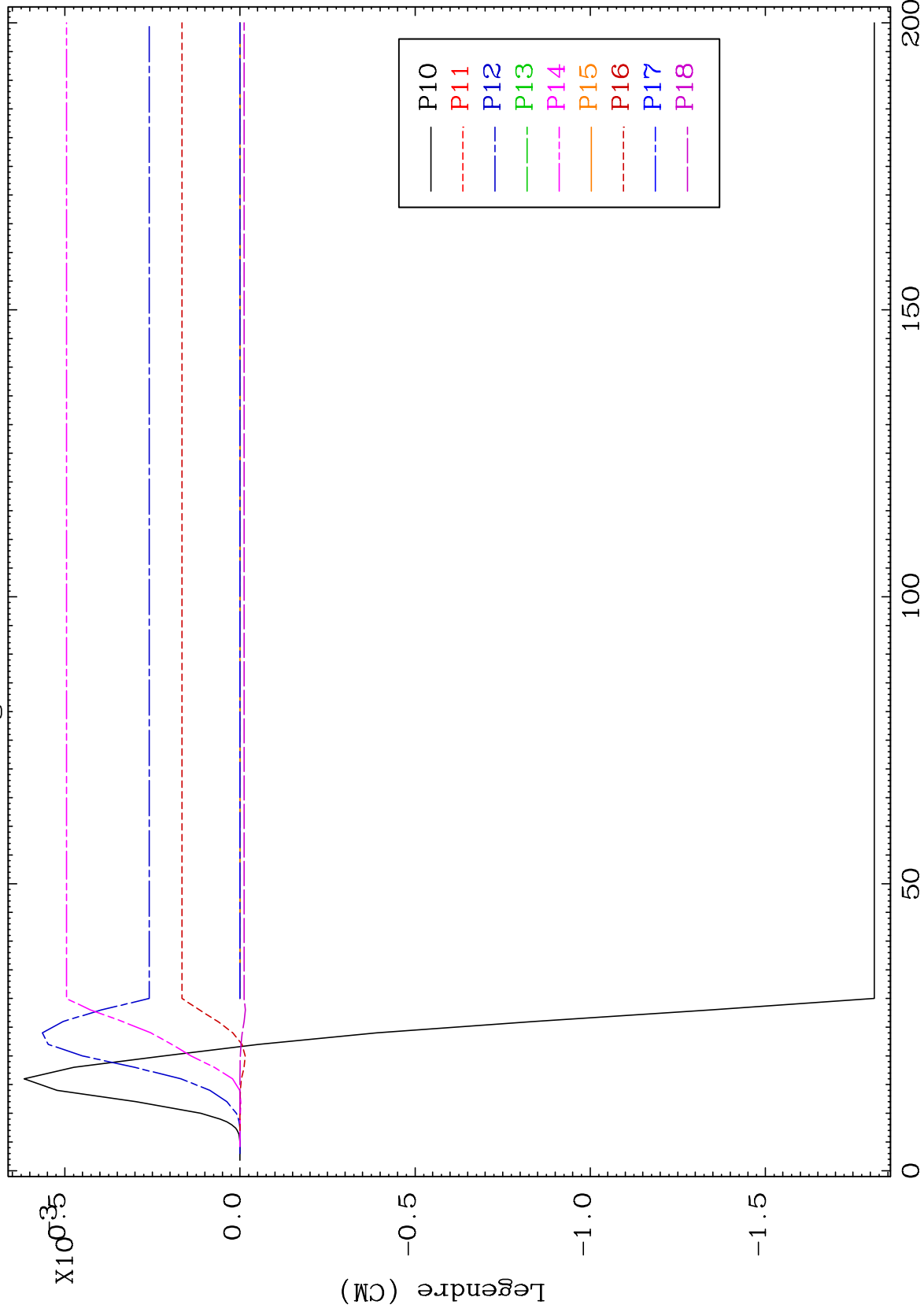
Legendre (CM)



MAT 5998

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

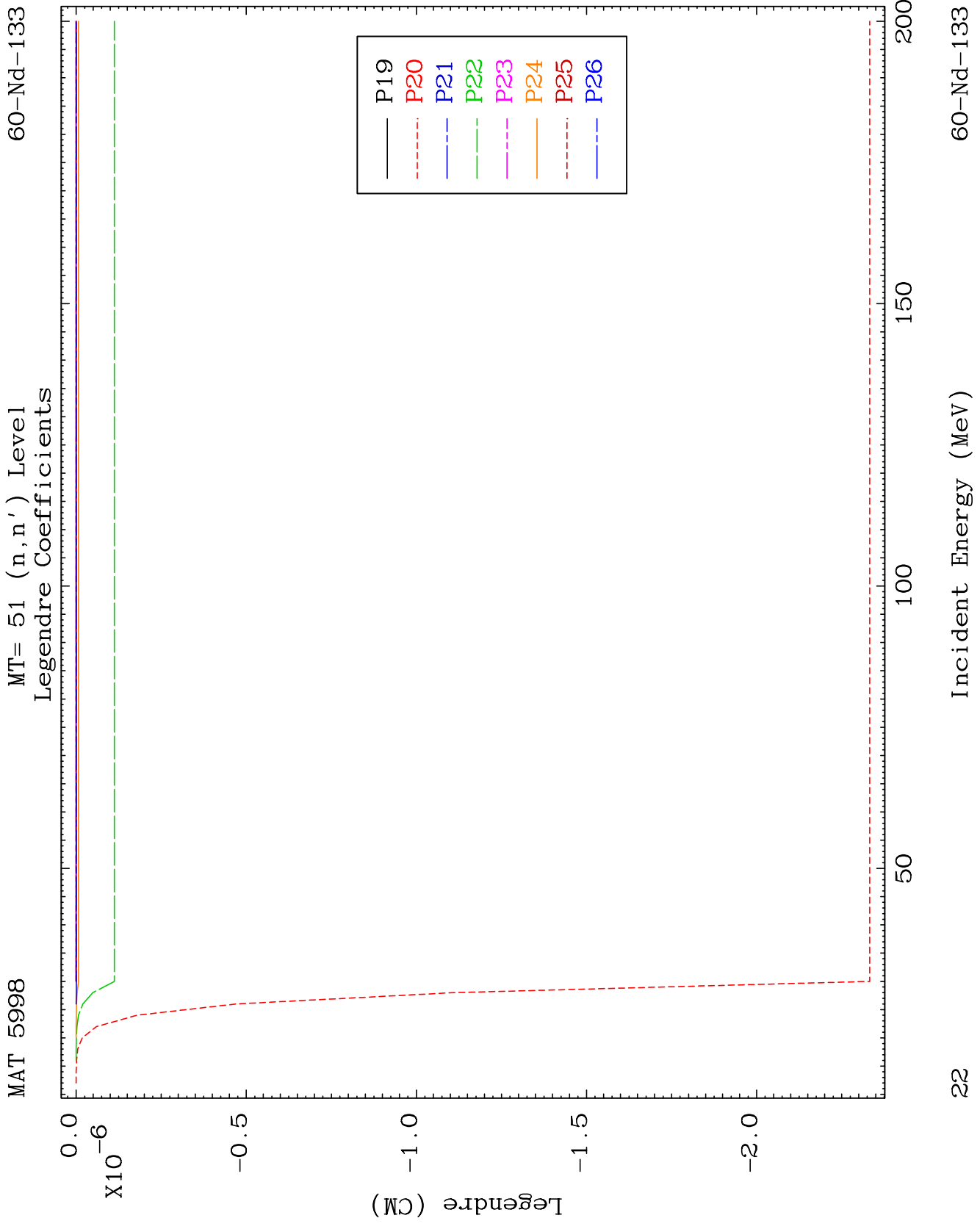
60-Nd-133



21

Incident Energy (MeV)

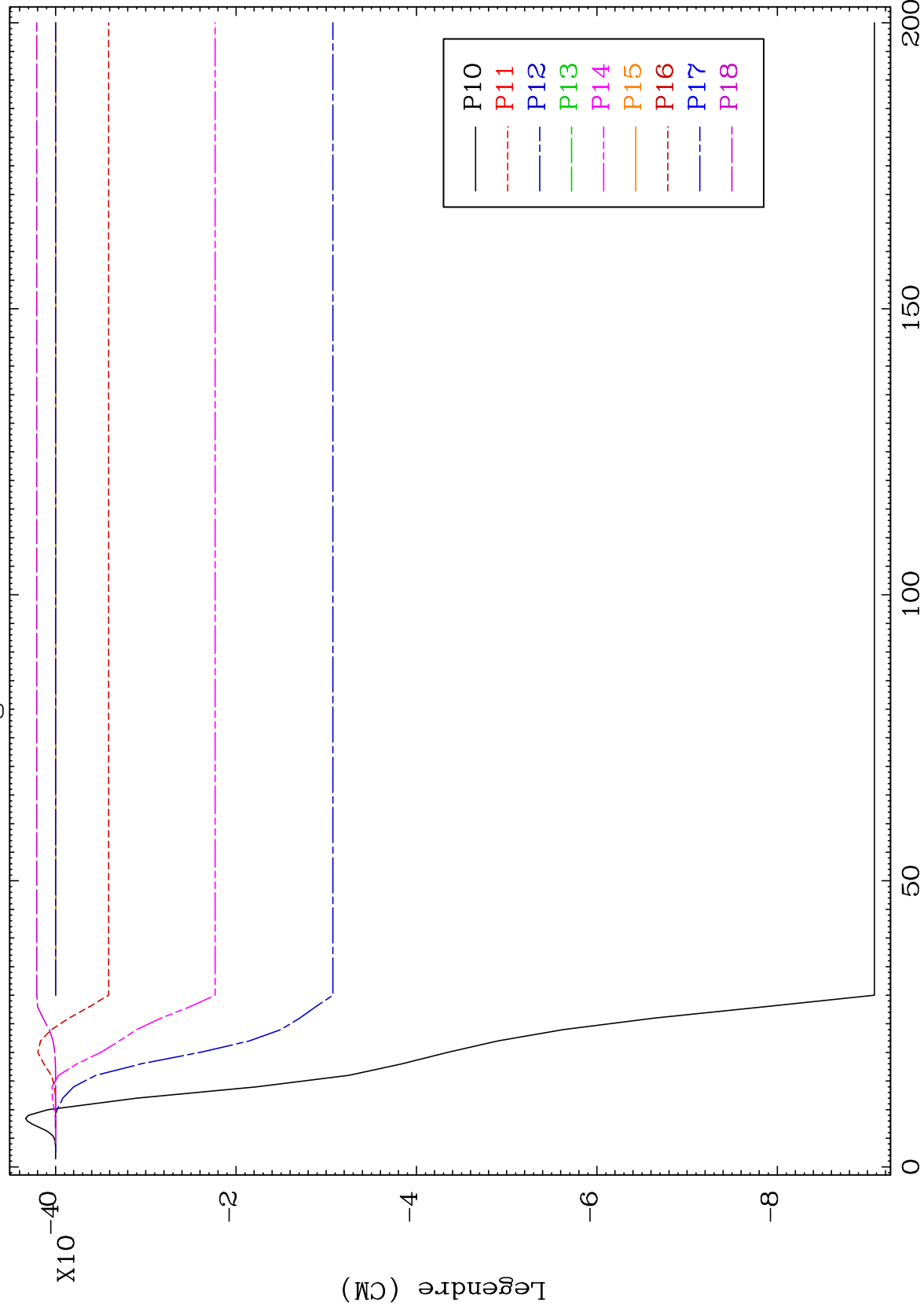
60-Nd-133



MAT 5998

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

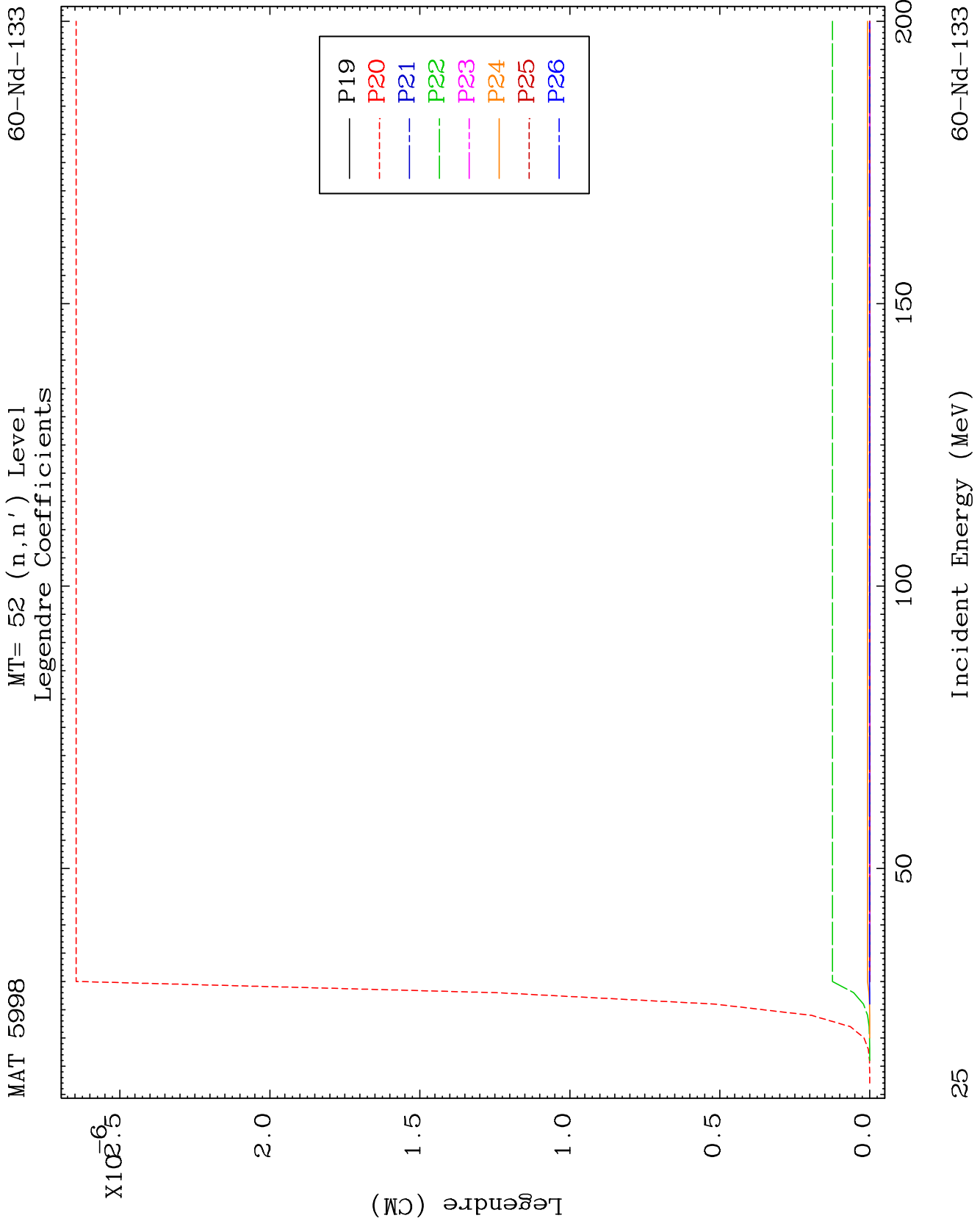
60-Nd-133



24

Incident Energy (MeV)

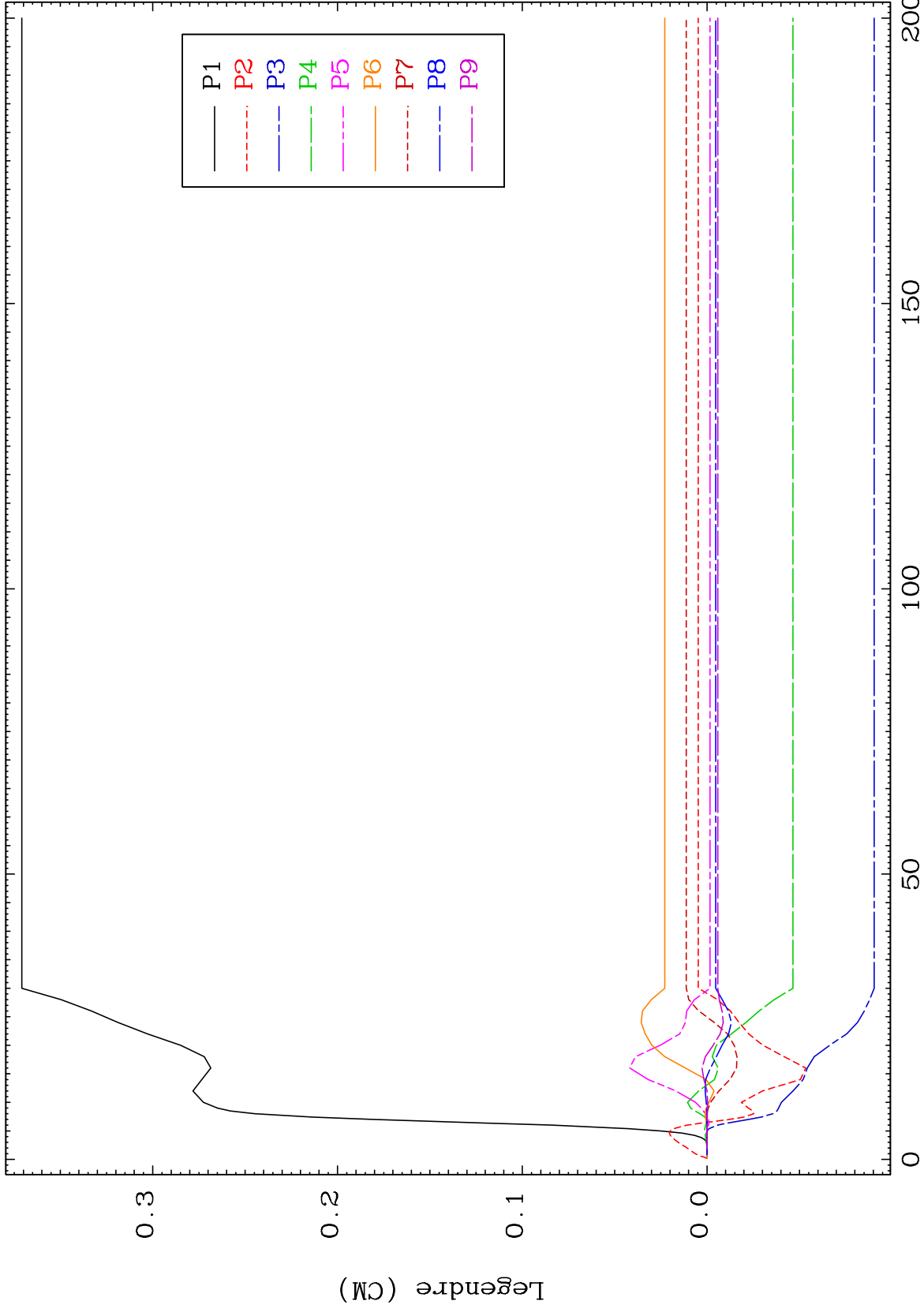
60-Nd-133



MAT 5998

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

60-Nd-133



26

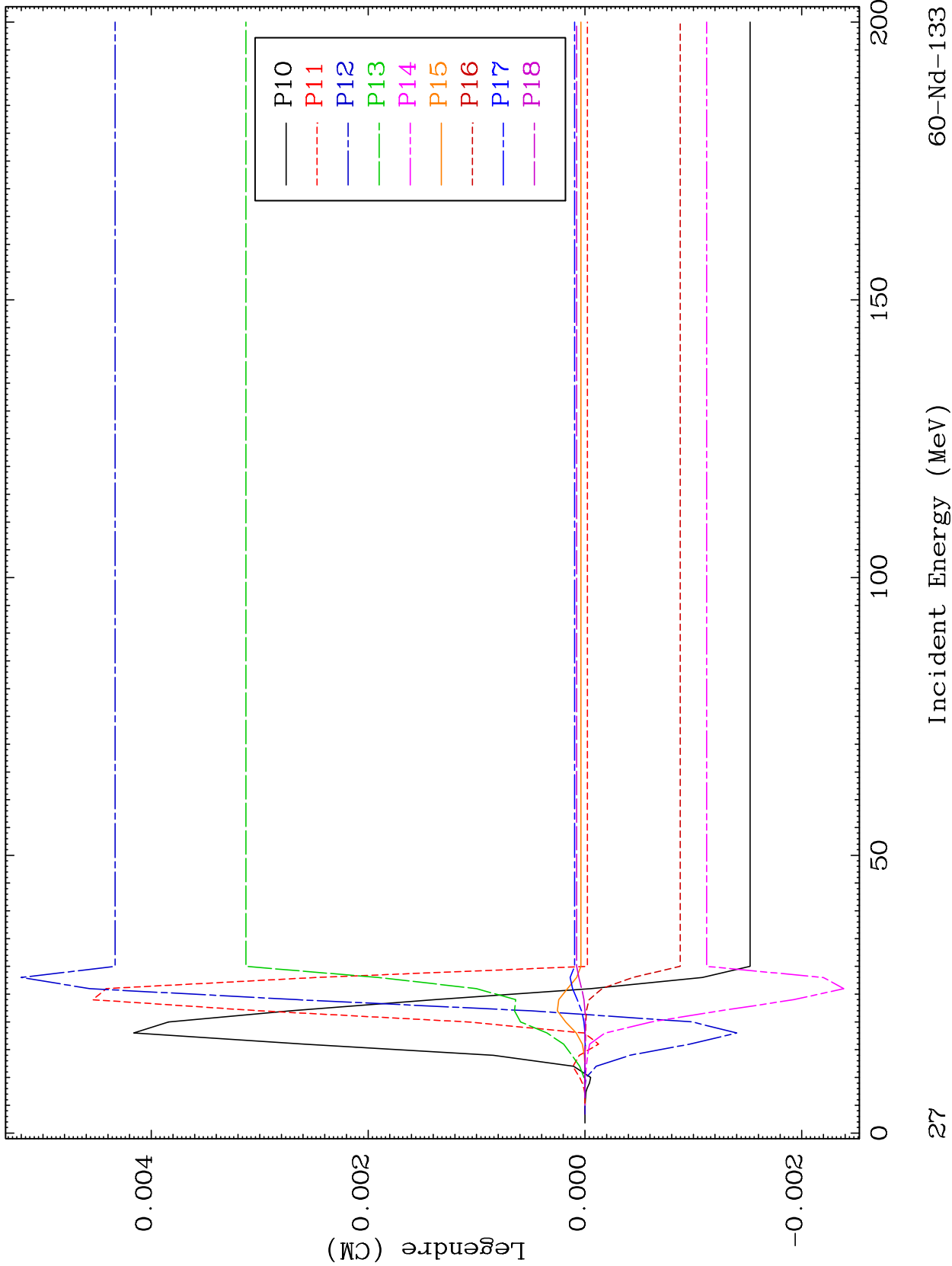
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

60-Nd-133



27

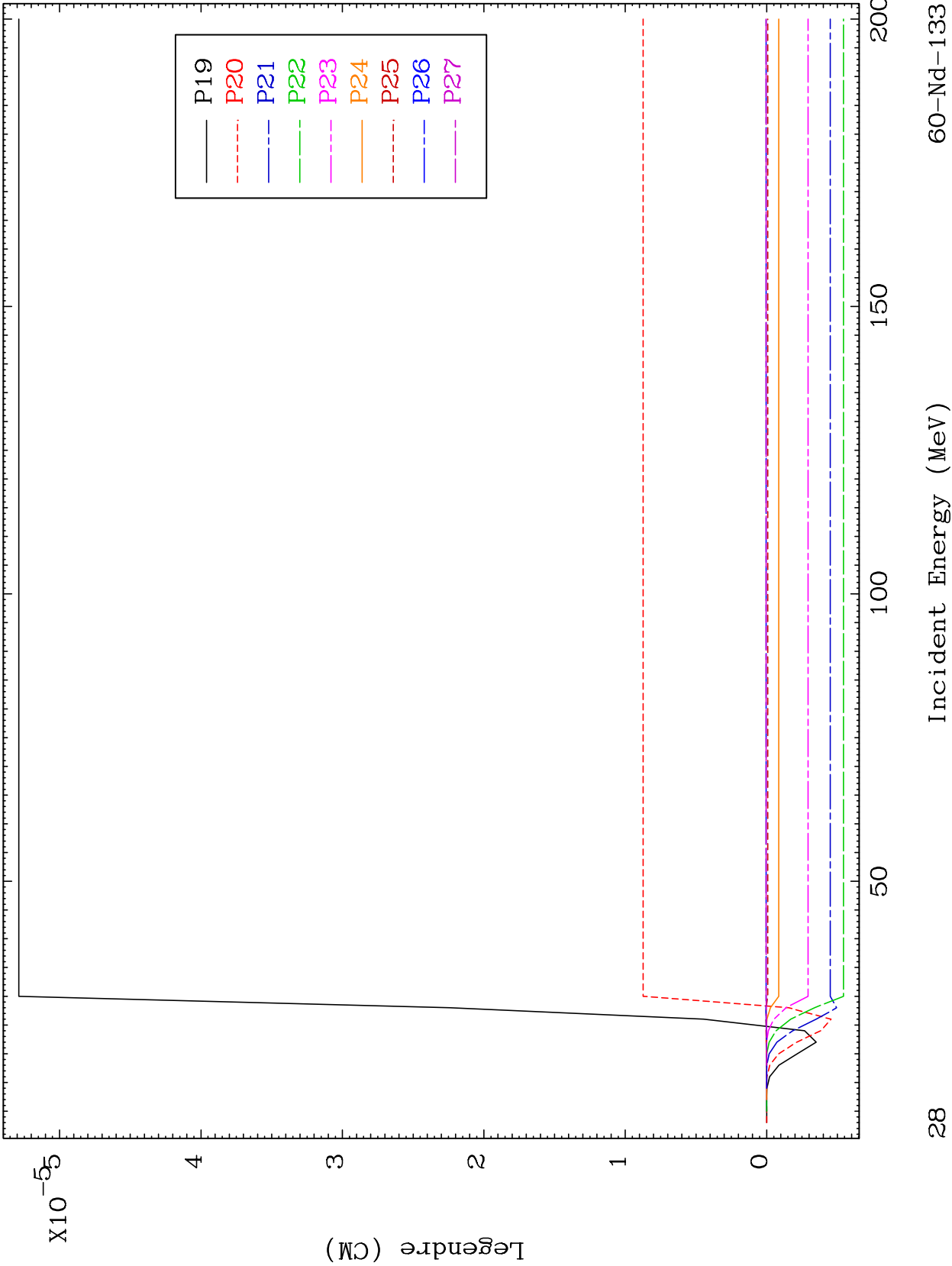
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

60-Nd-133



28

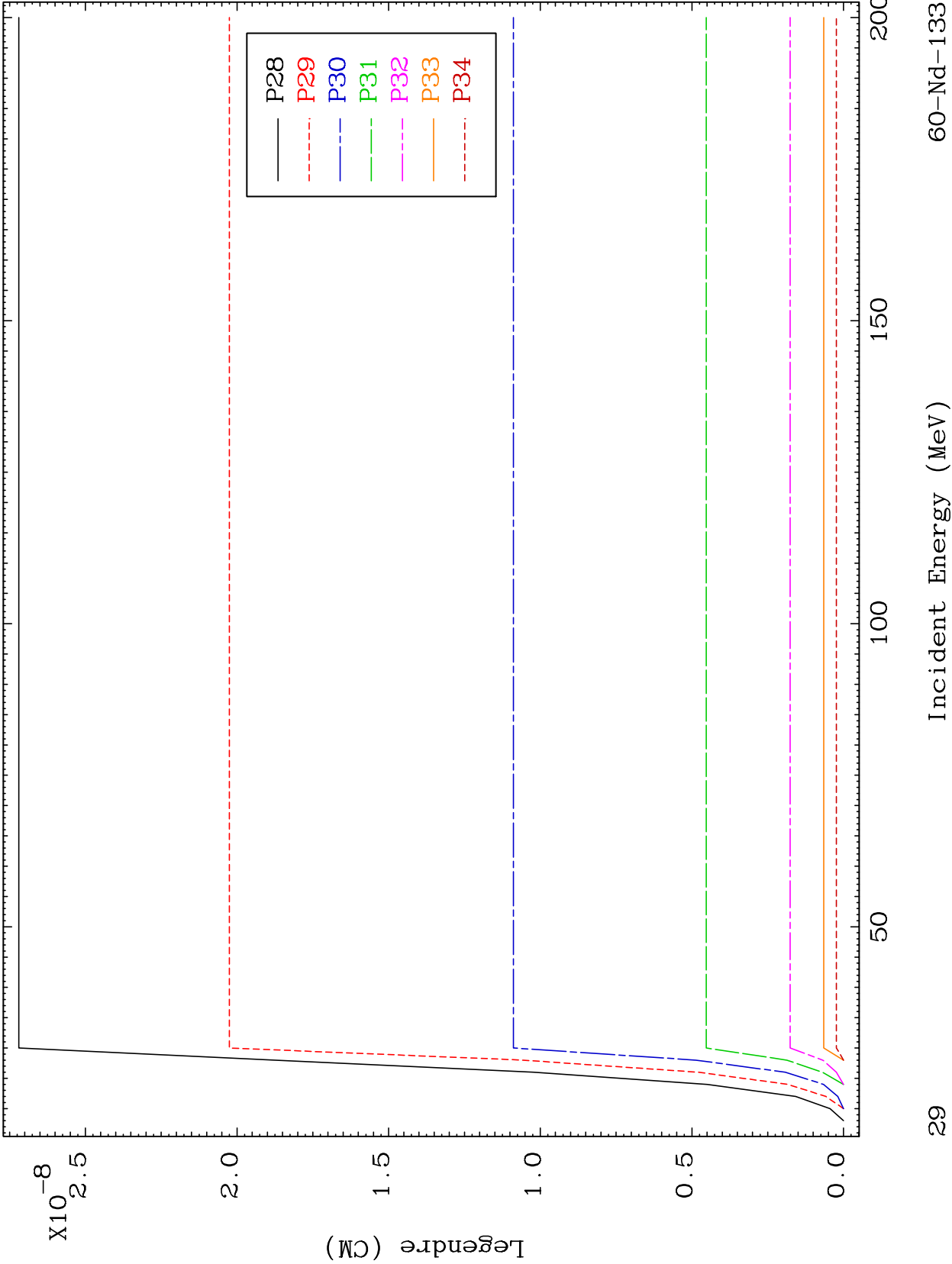
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

60-Nd-133



29

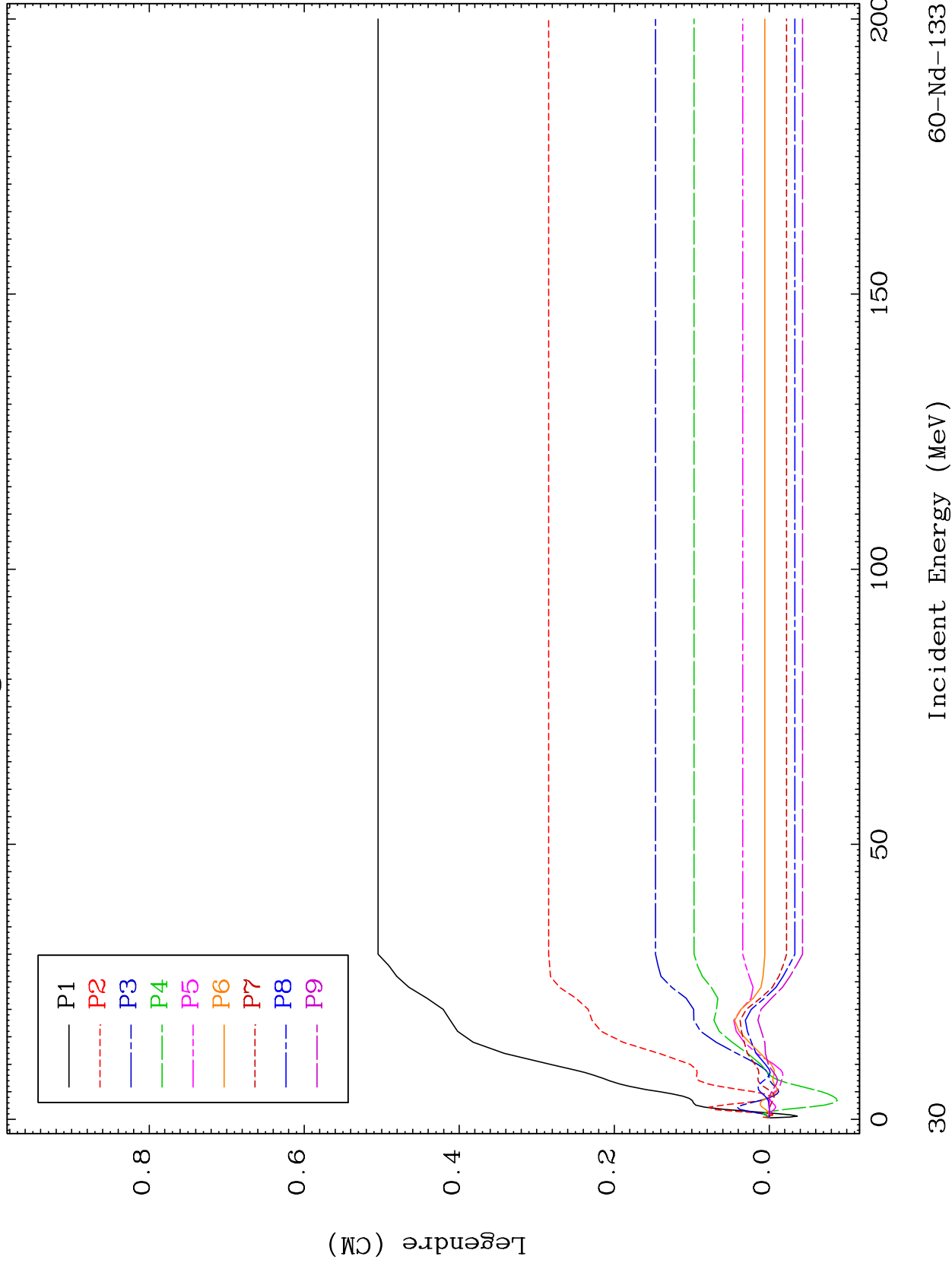
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

60-Nd-133



60-Nd-133

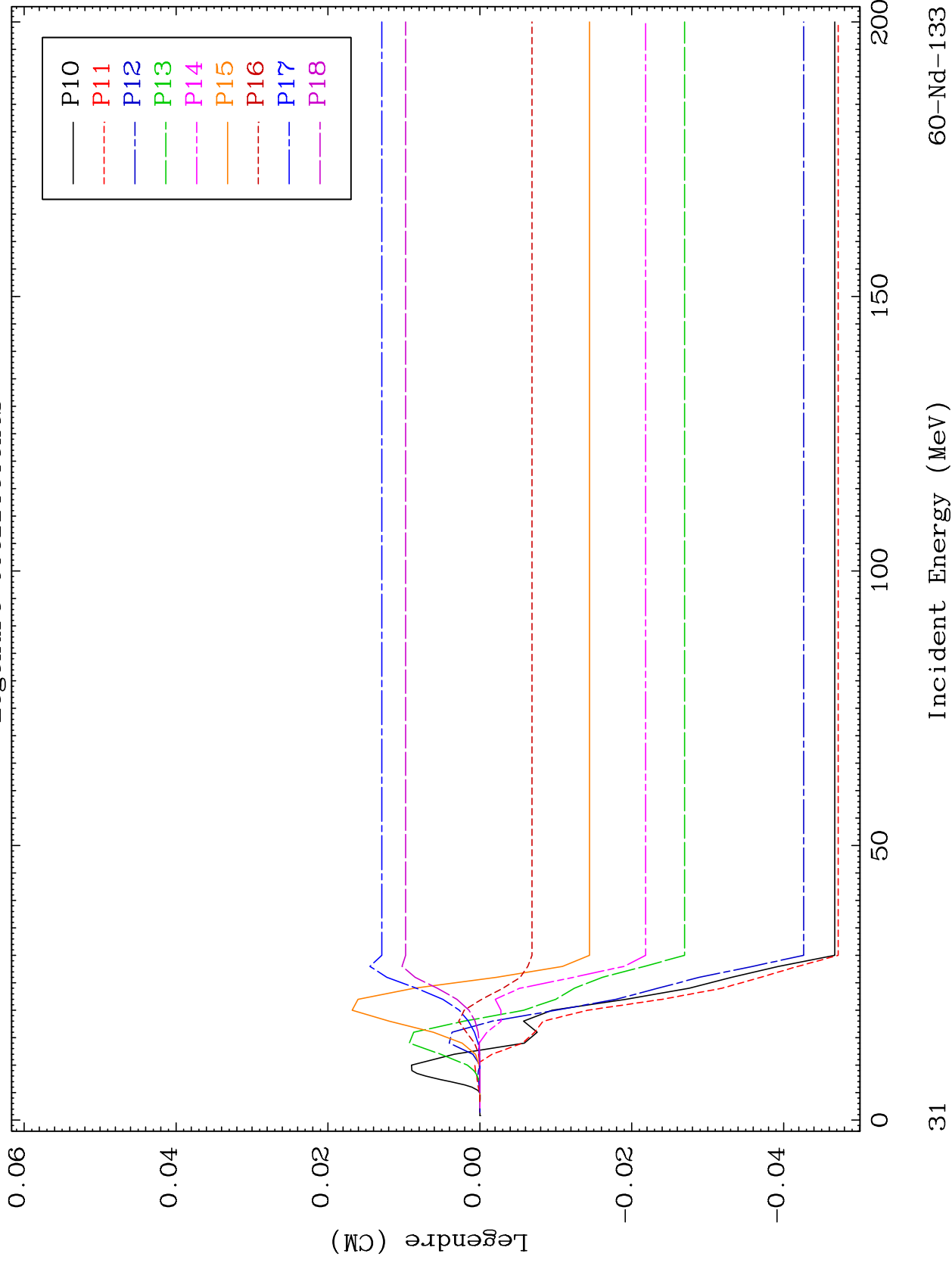
Incident Energy (MeV)

30

MAT 5998

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

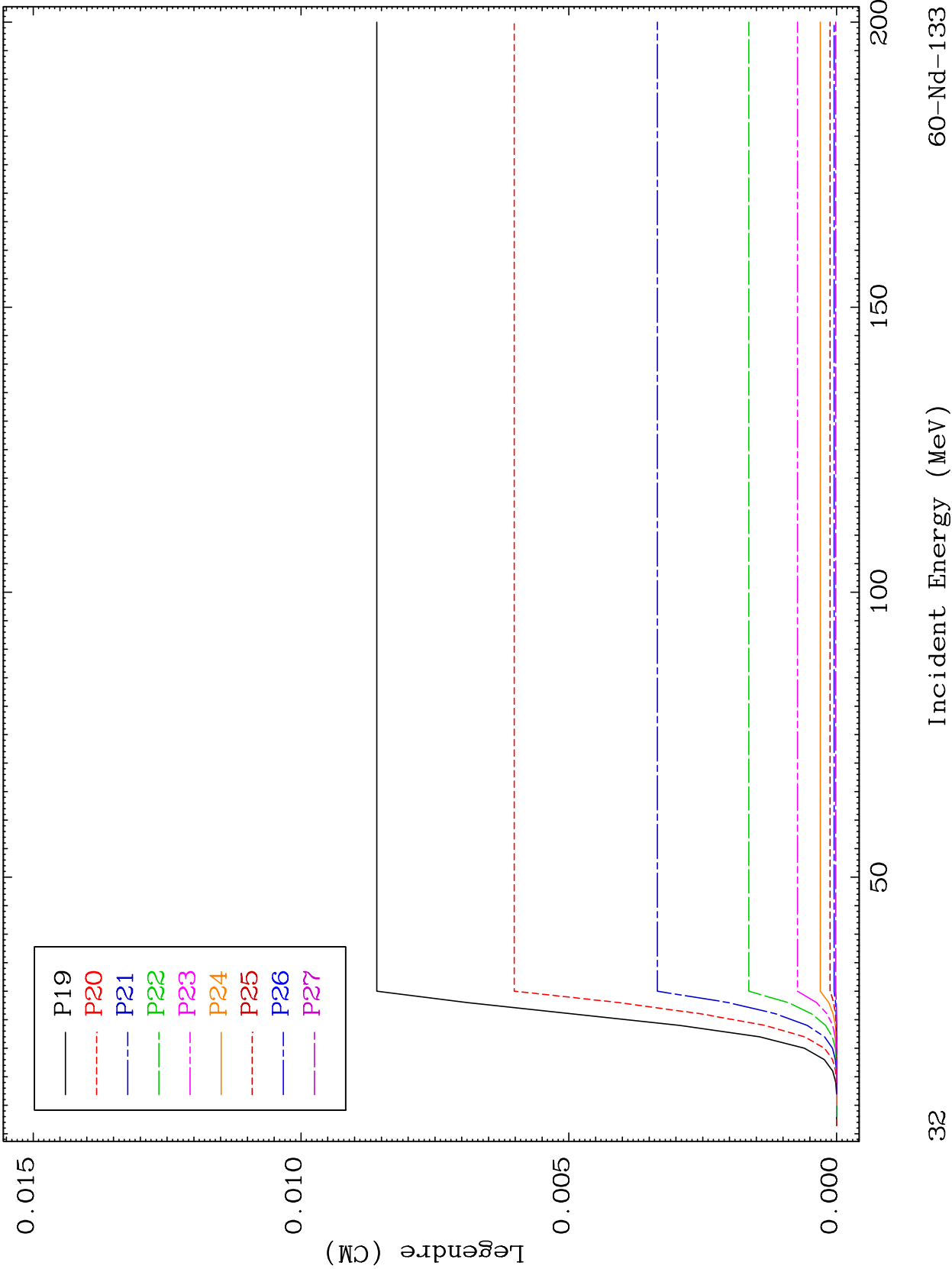
60-Nd-133



31

Incident Energy (MeV)

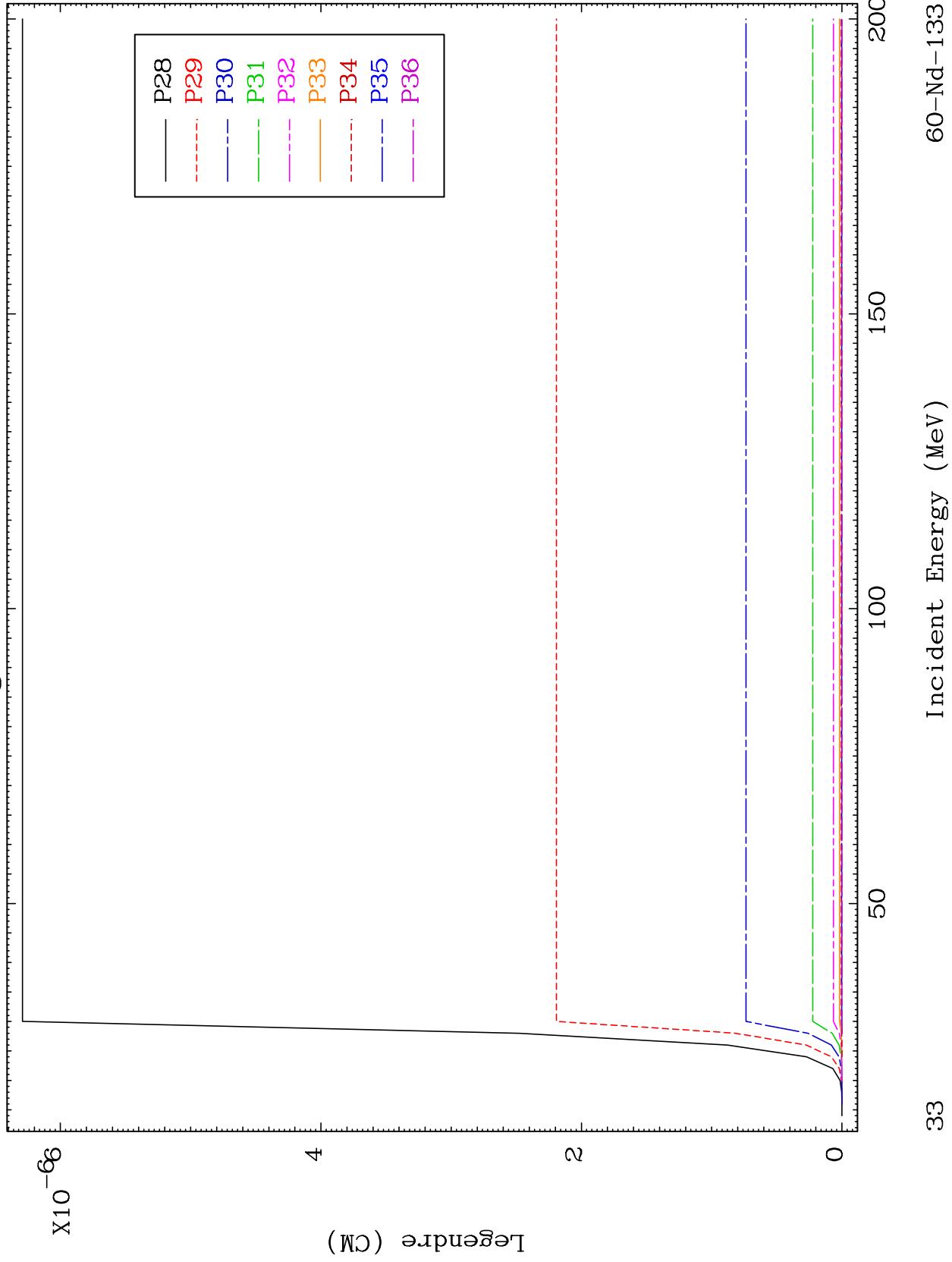
60-Nd-133



MAT 5998

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

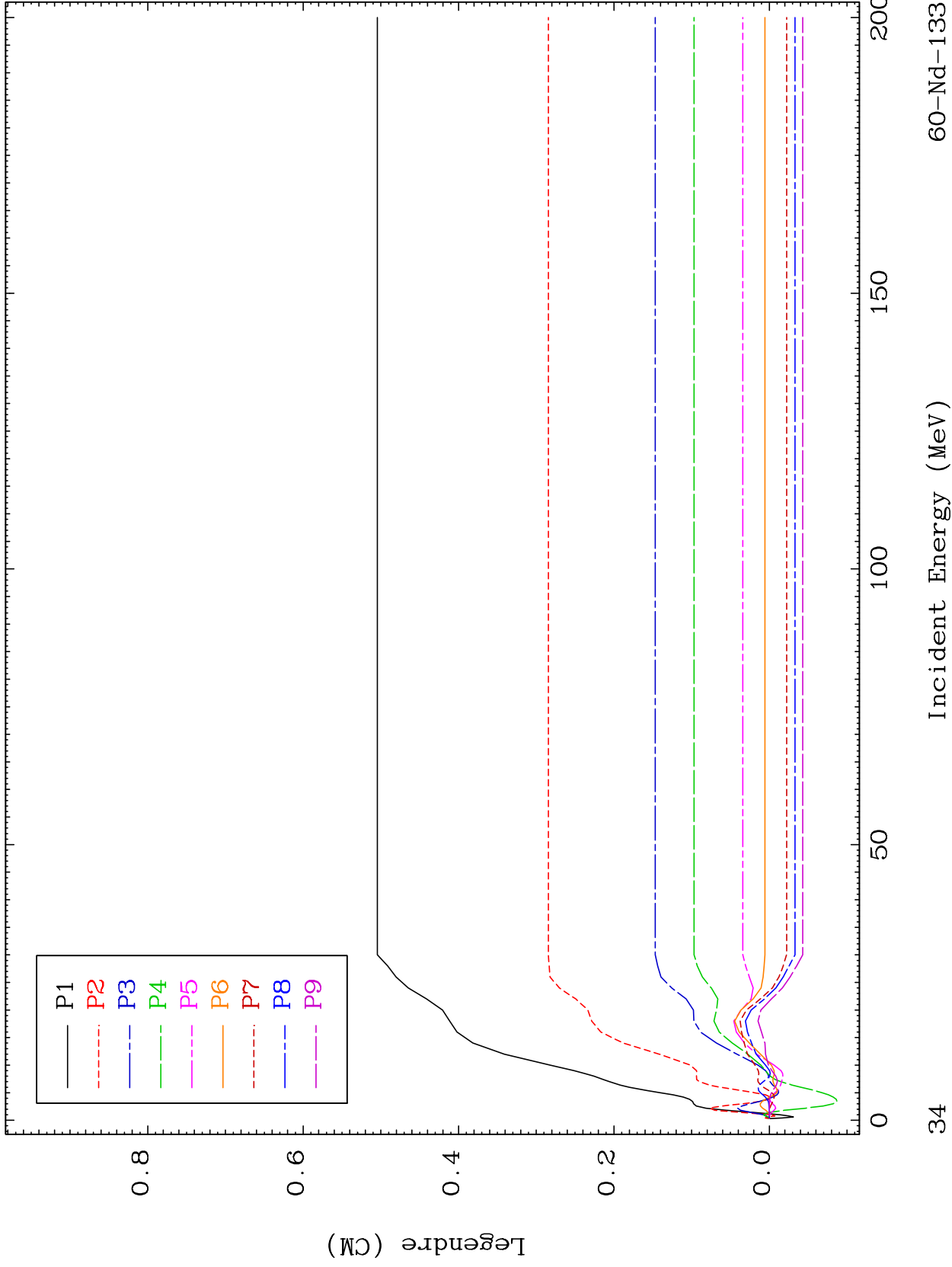
60-Nd-133



MAT 5998

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

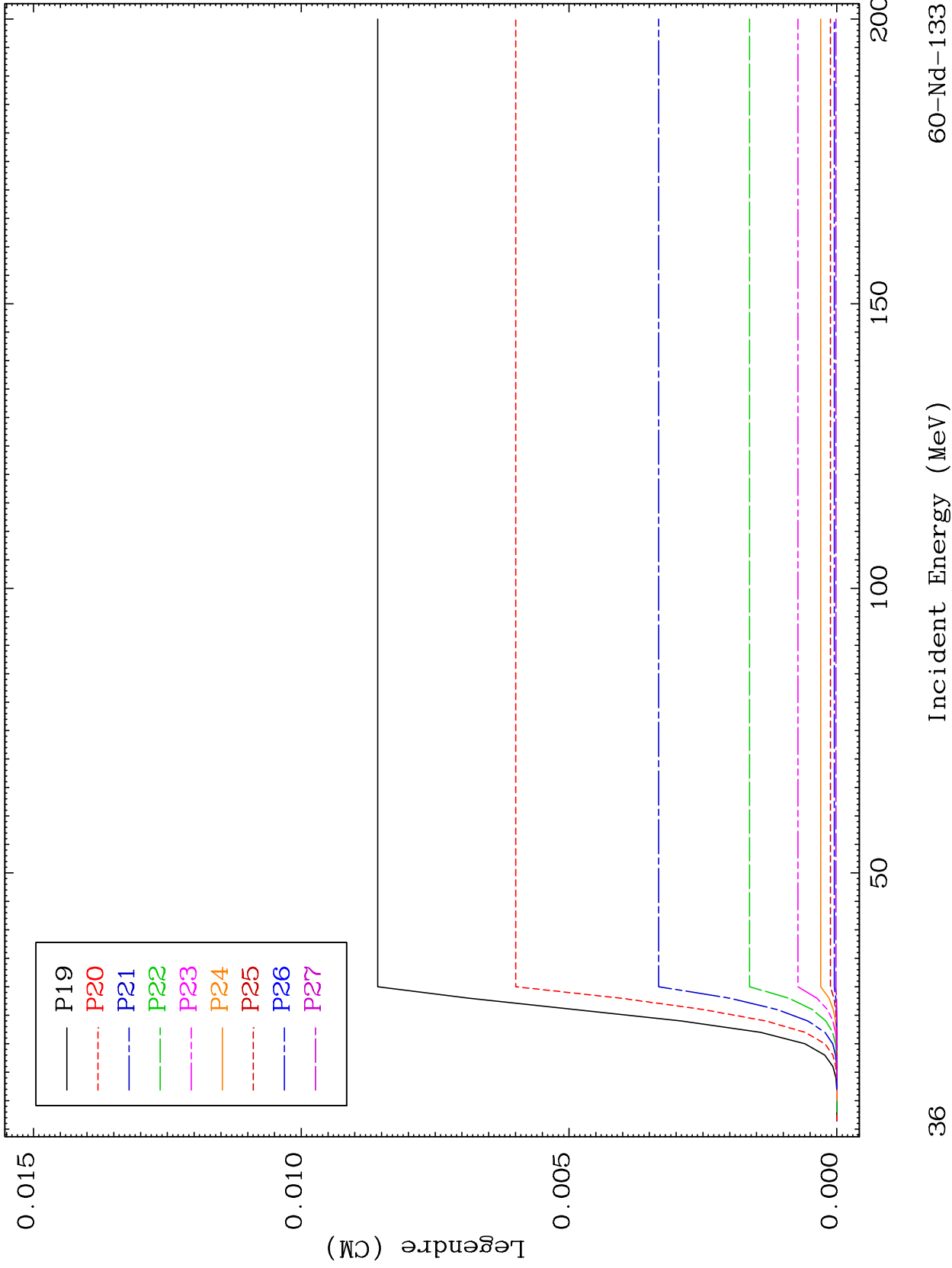
60-Nd-133



34

Incident Energy (MeV)

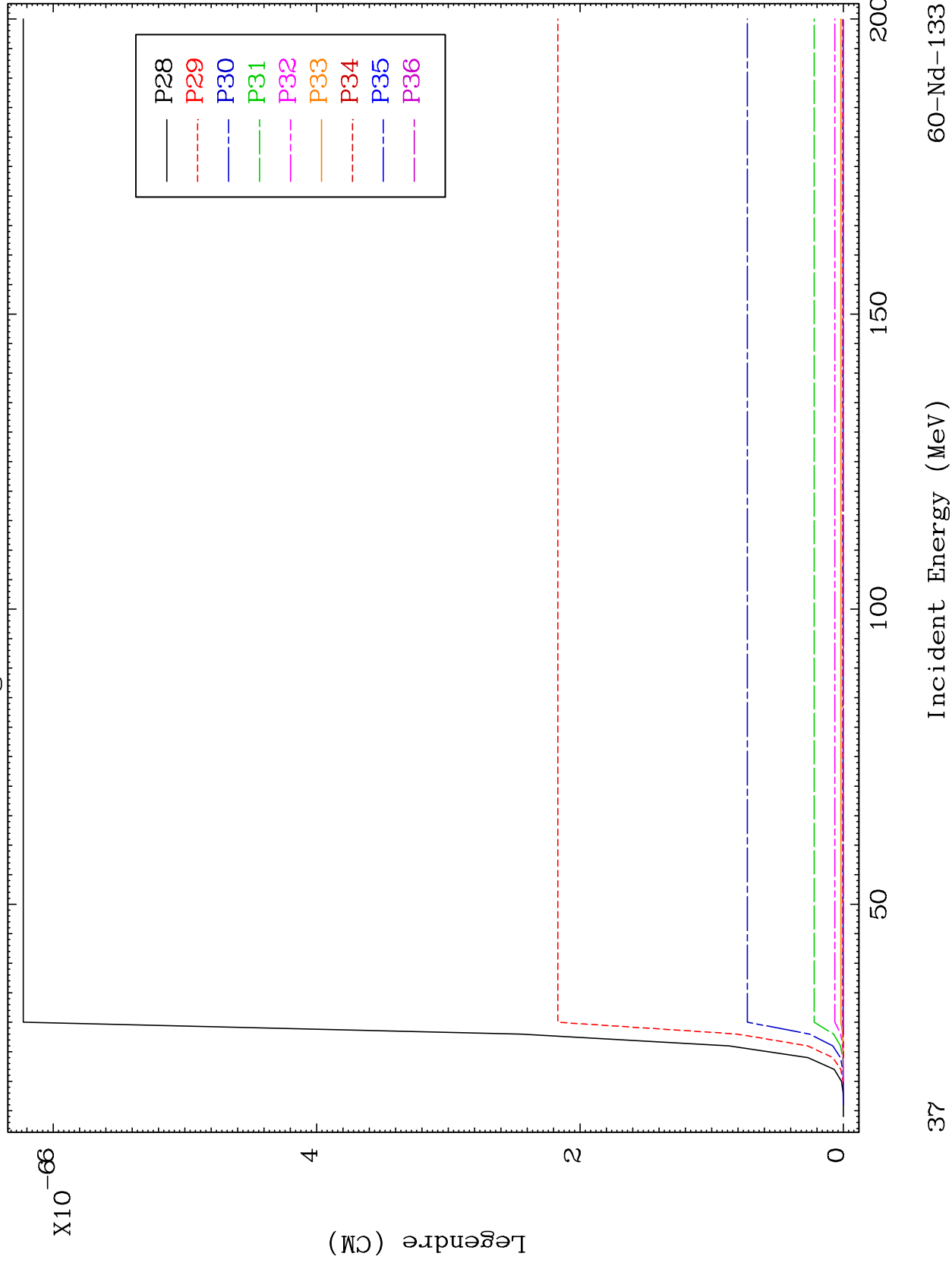
60-Nd-133



MAT 5998

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

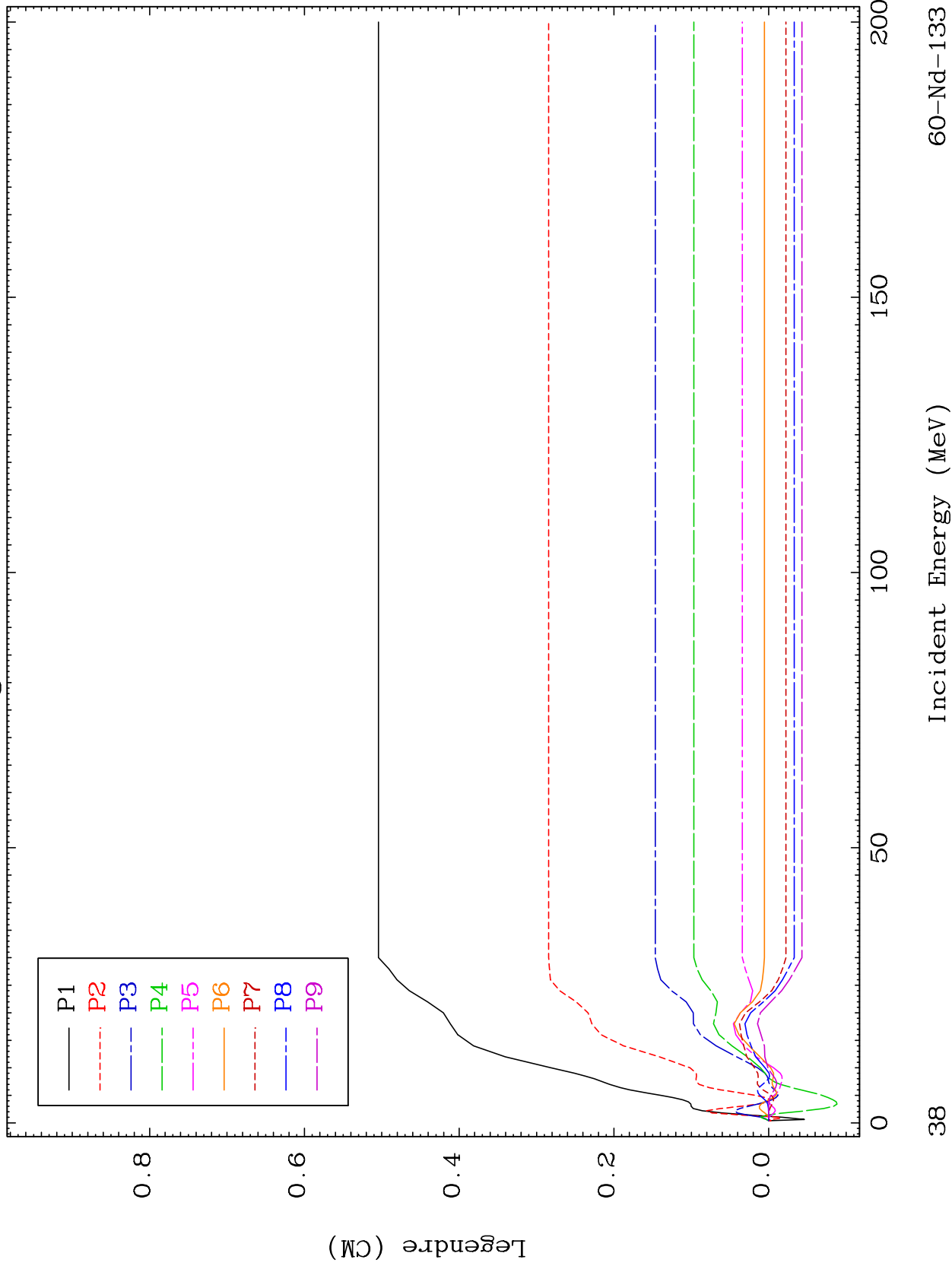
60-Nd-133



MAT 5998

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

60-Nd-133



60-Nd-133

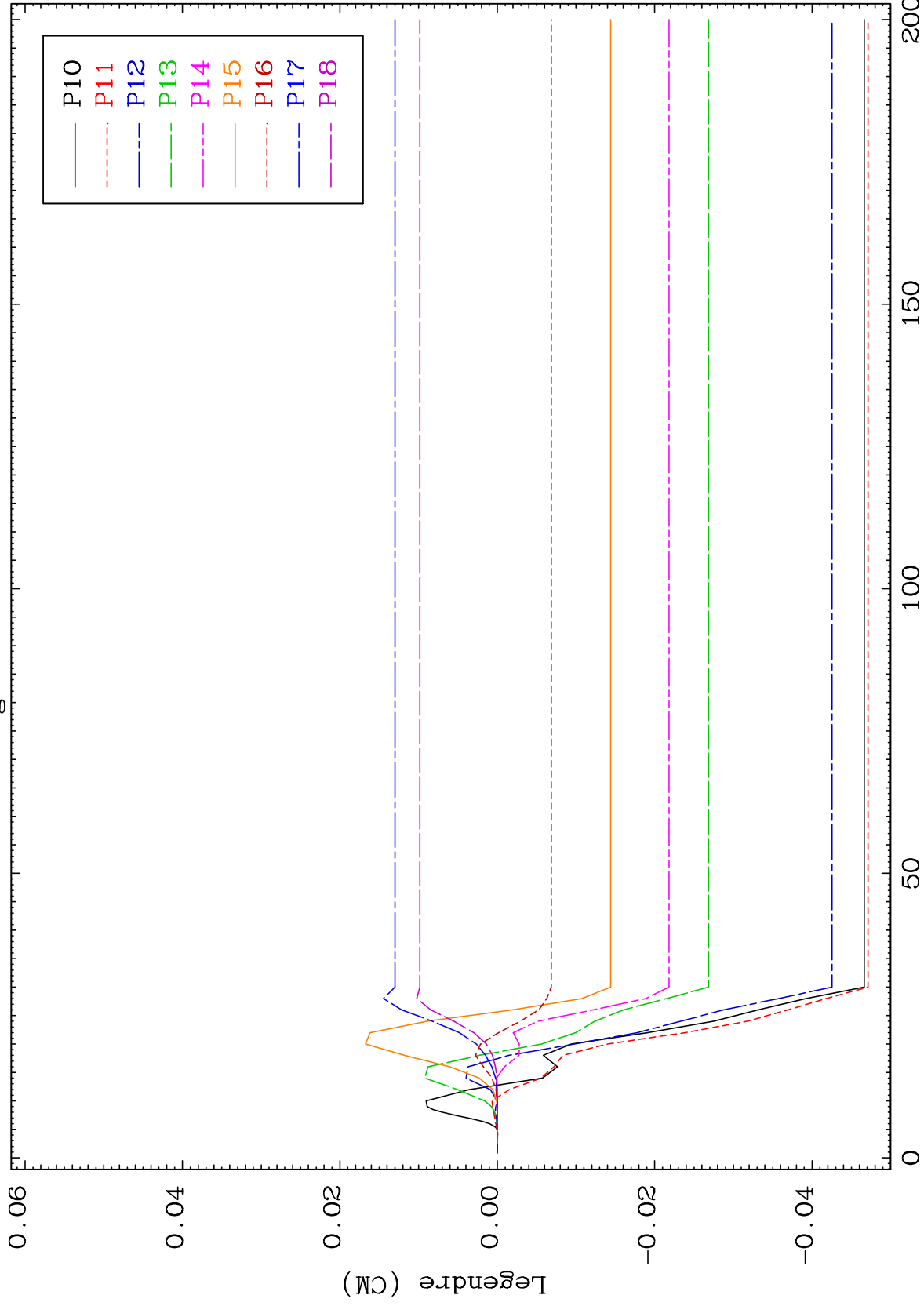
Incident Energy (MeV)

38

MAT 5998

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

60-Nd-133



39

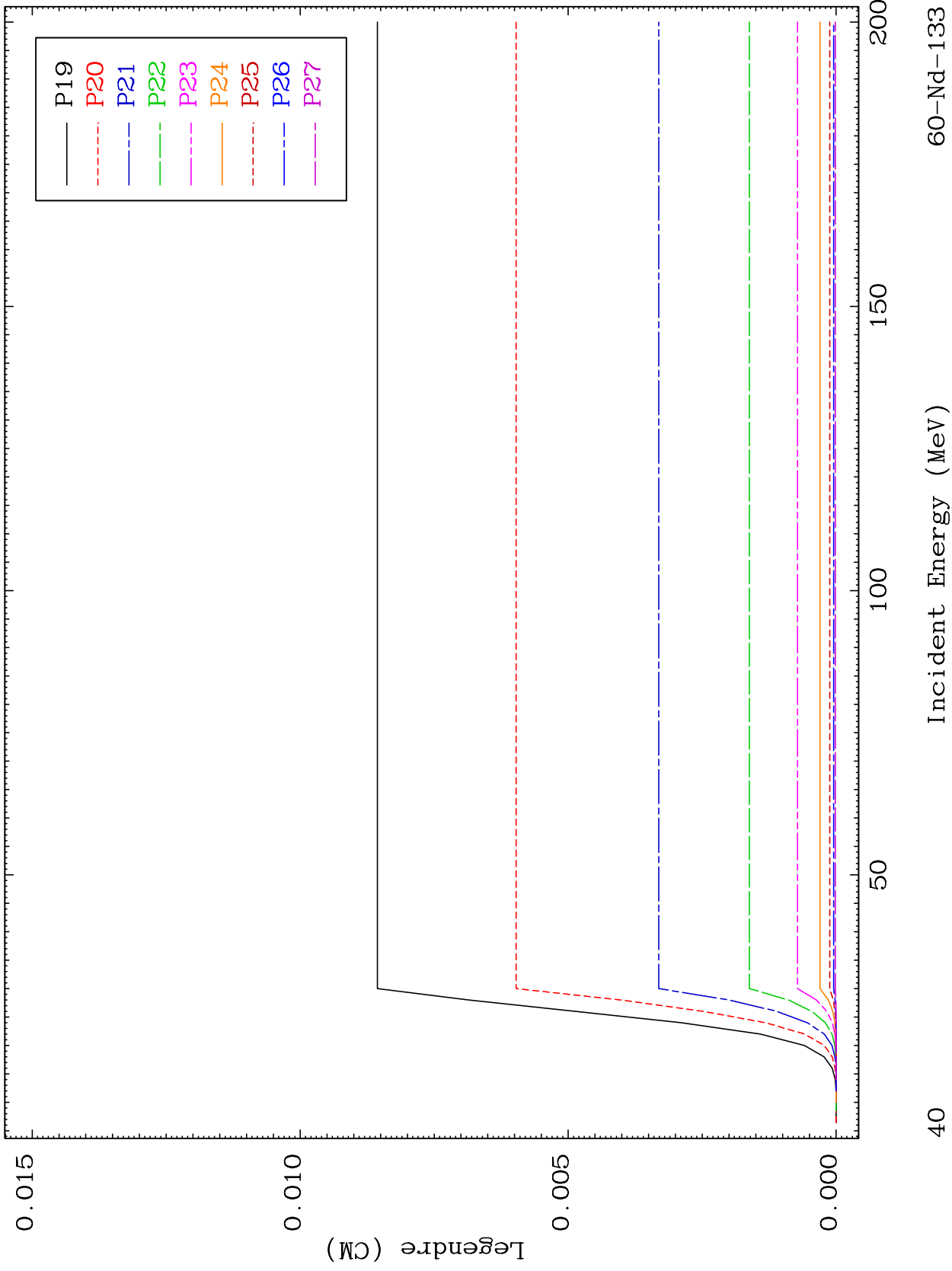
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

60-Nd-133



60-Nd-133

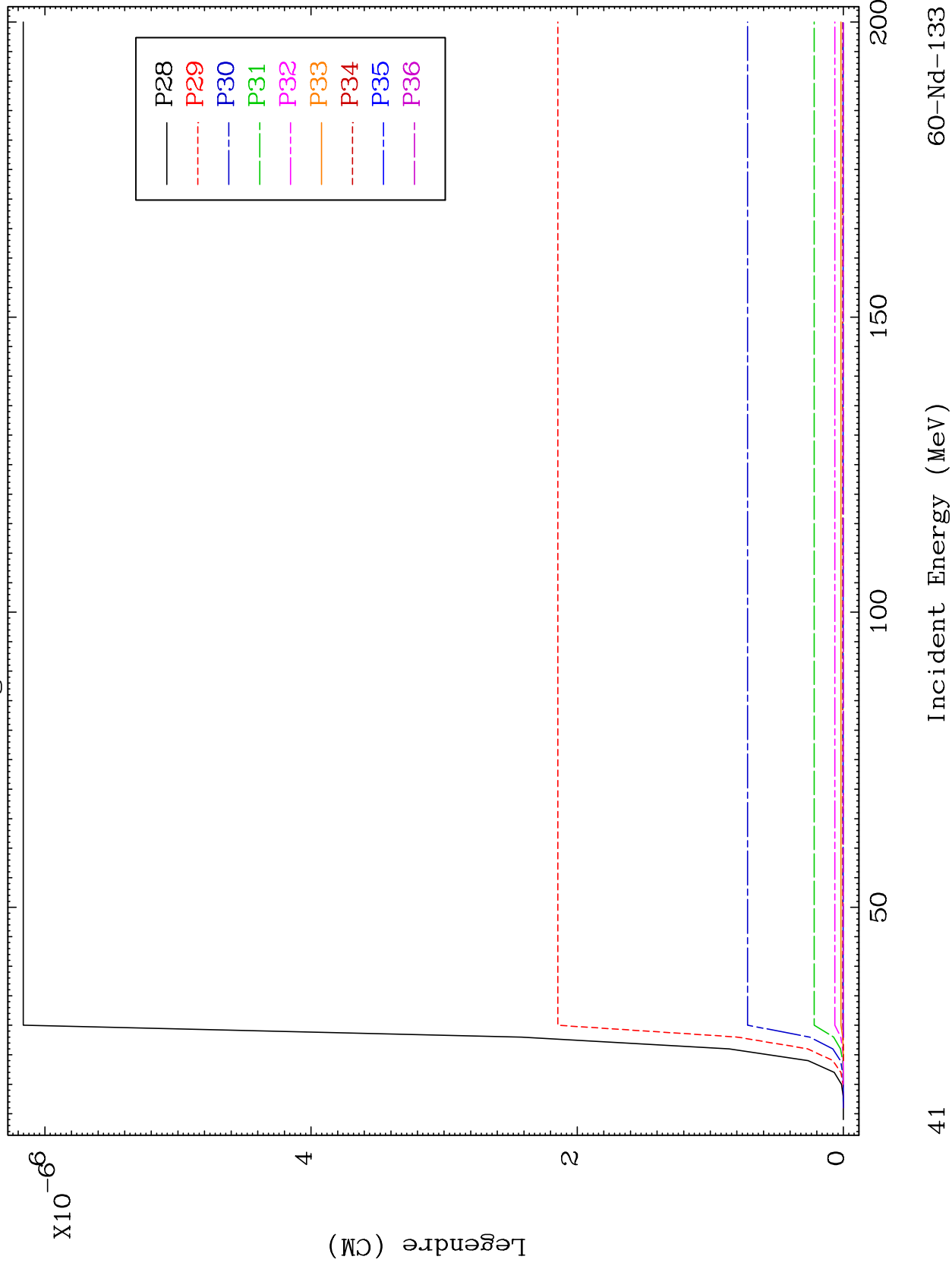
Incident Energy (MeV)

40

MAT 5998

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

60-Nd-133



41

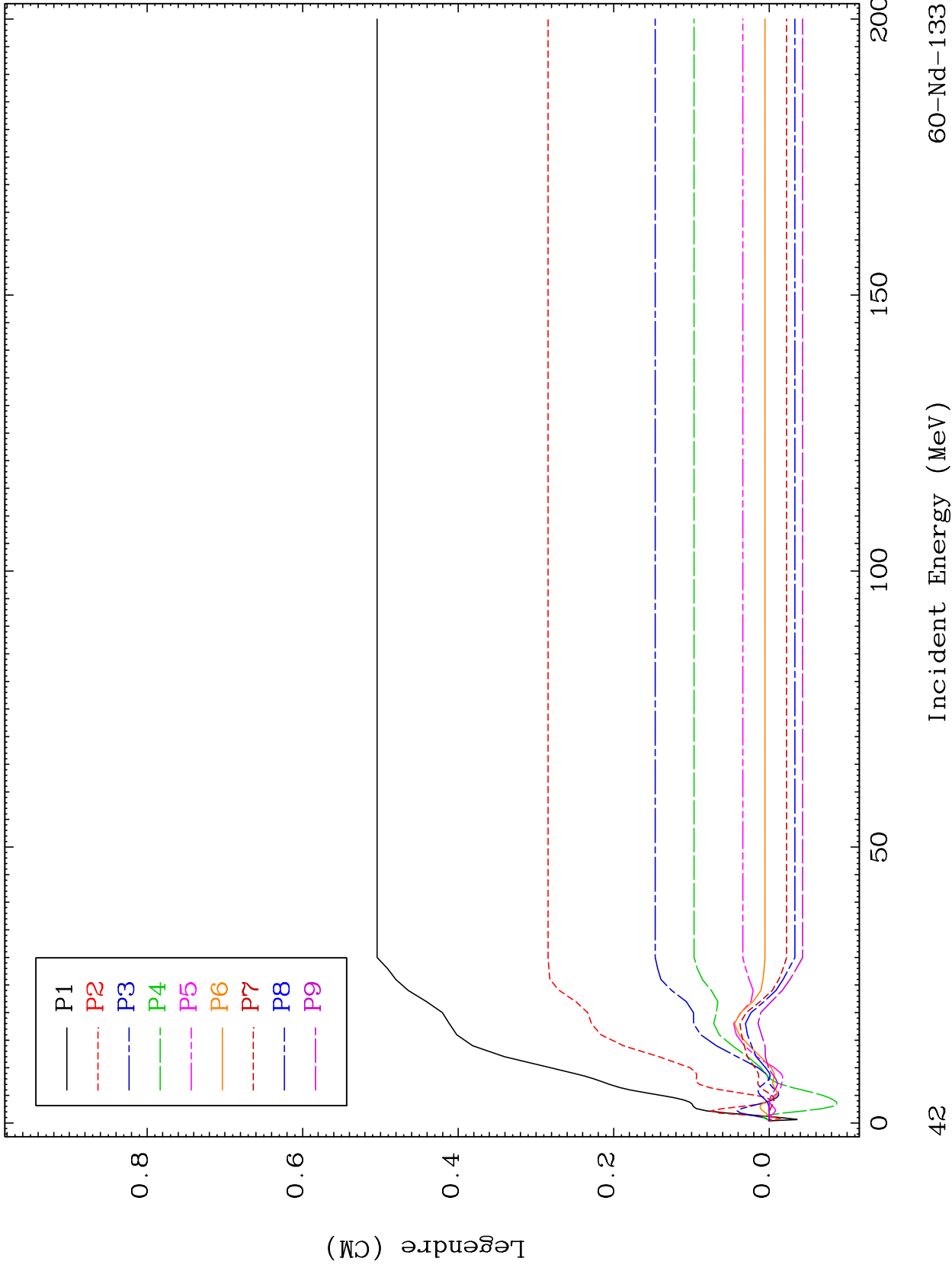
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

60-Nd-133



60-Nd-133

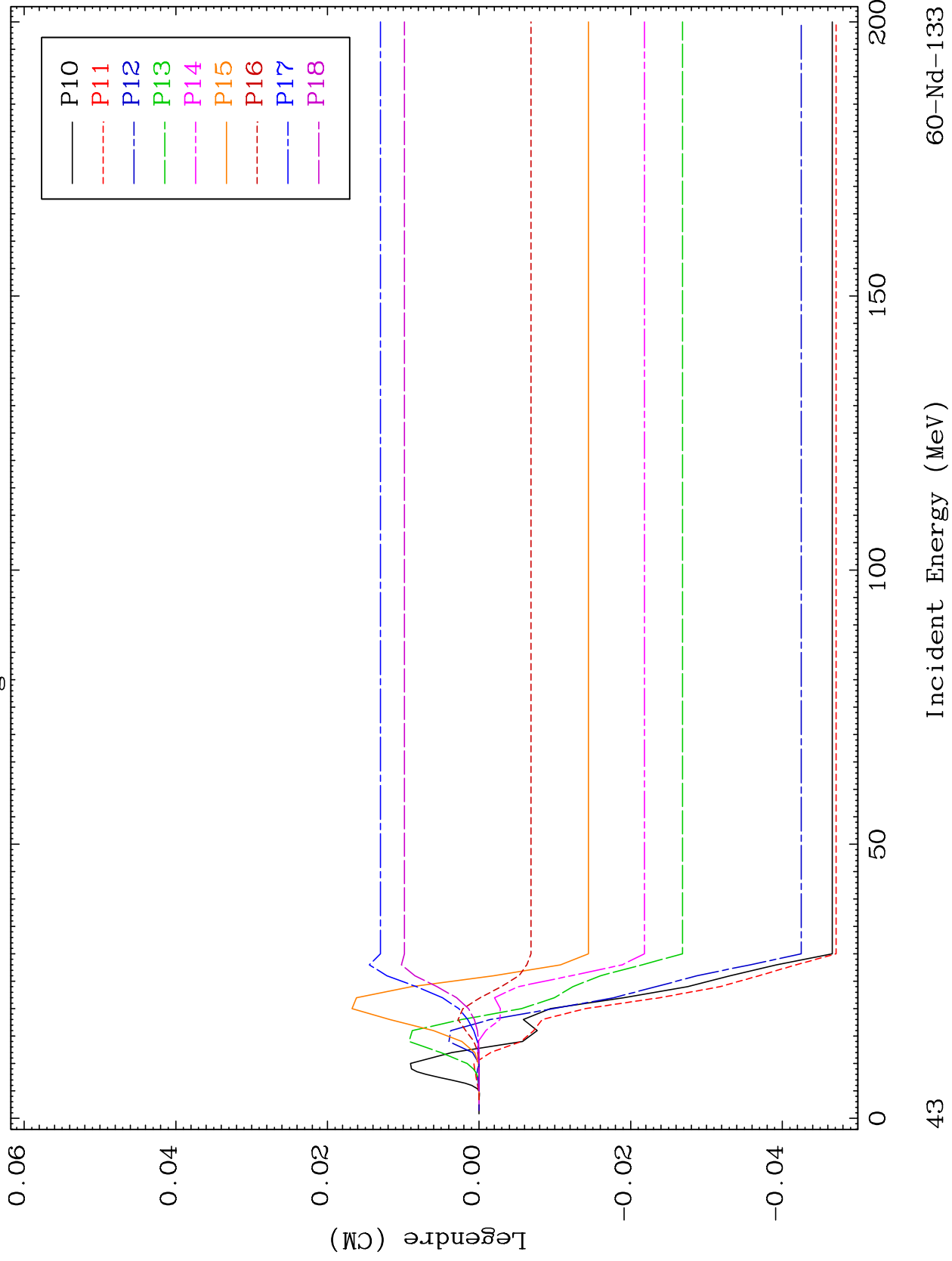
Incident Energy (MeV)

42

MAT 5998

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

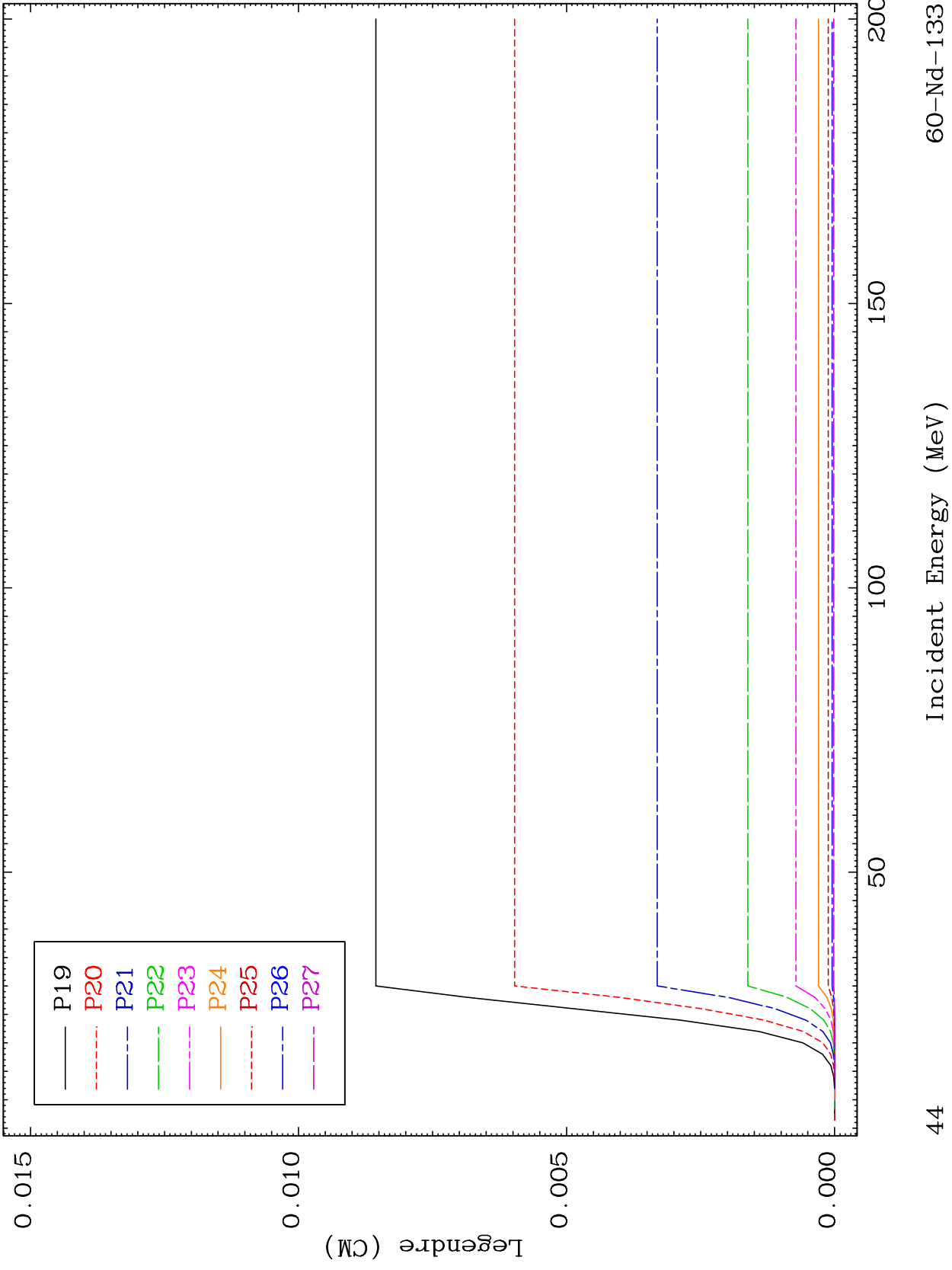
60-Nd-133



MAT 5998

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

60-Nd-133



44

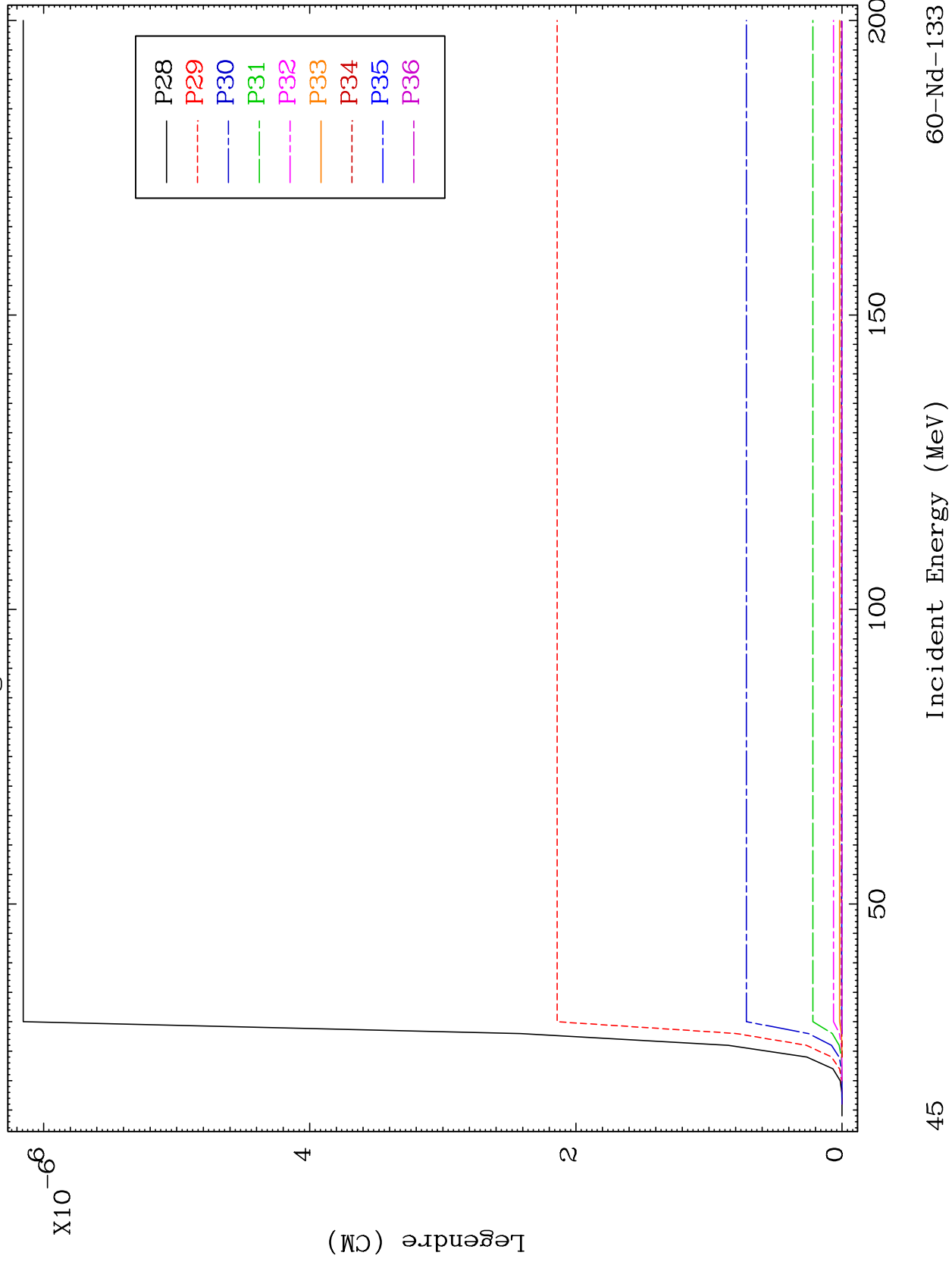
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

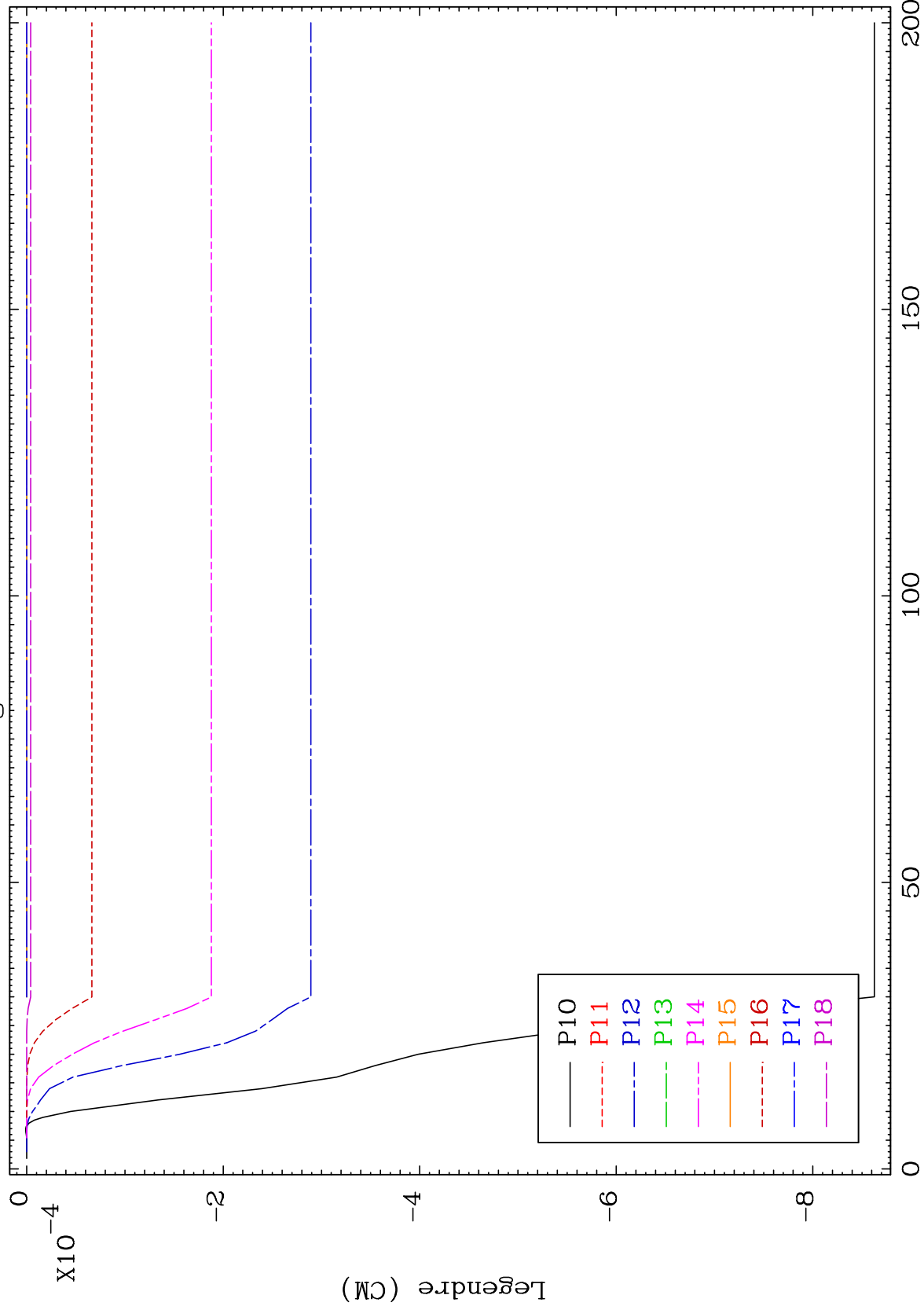
60-Nd-133



MAT 5998

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

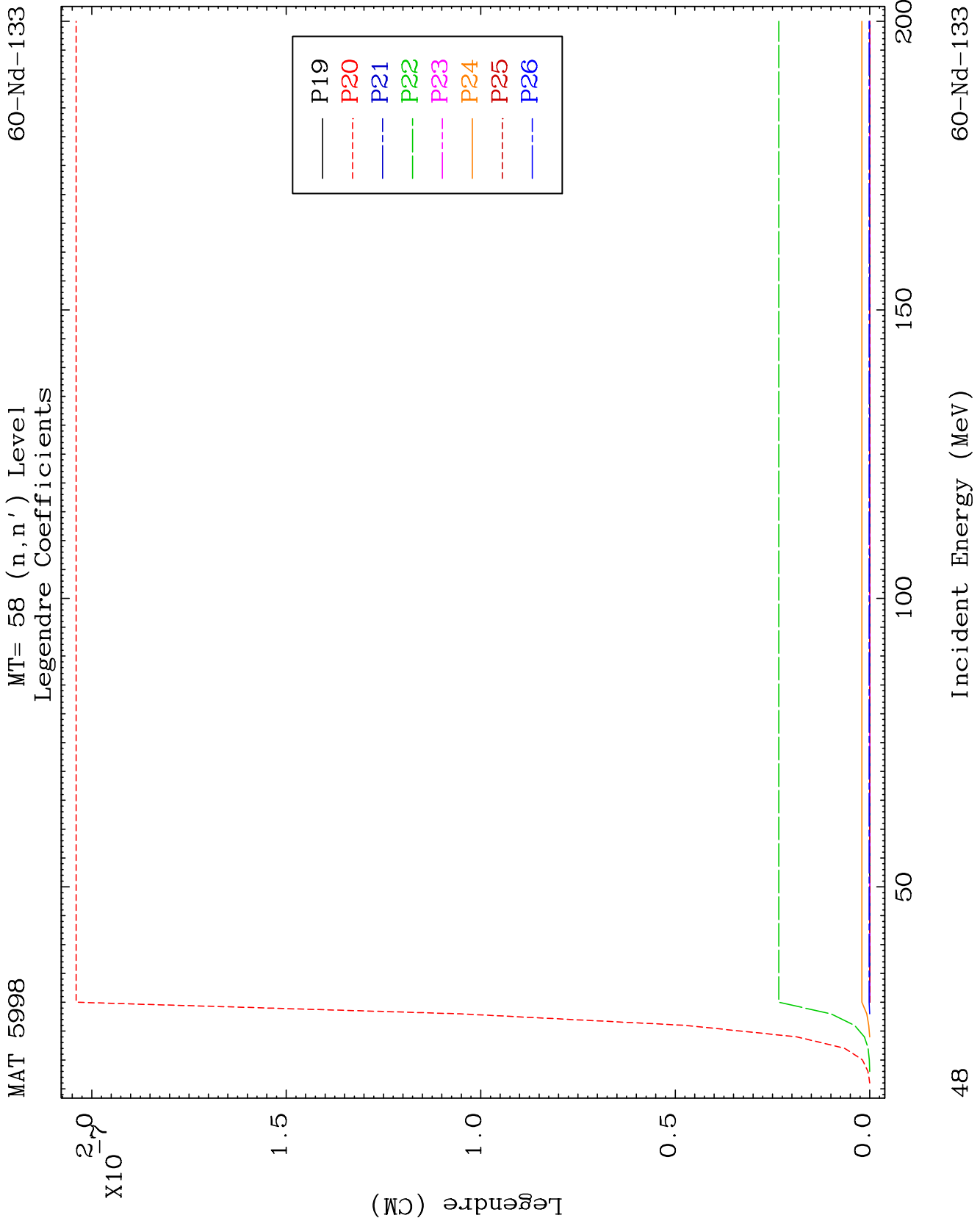
60-Nd-133



47

Incident Energy (MeV)

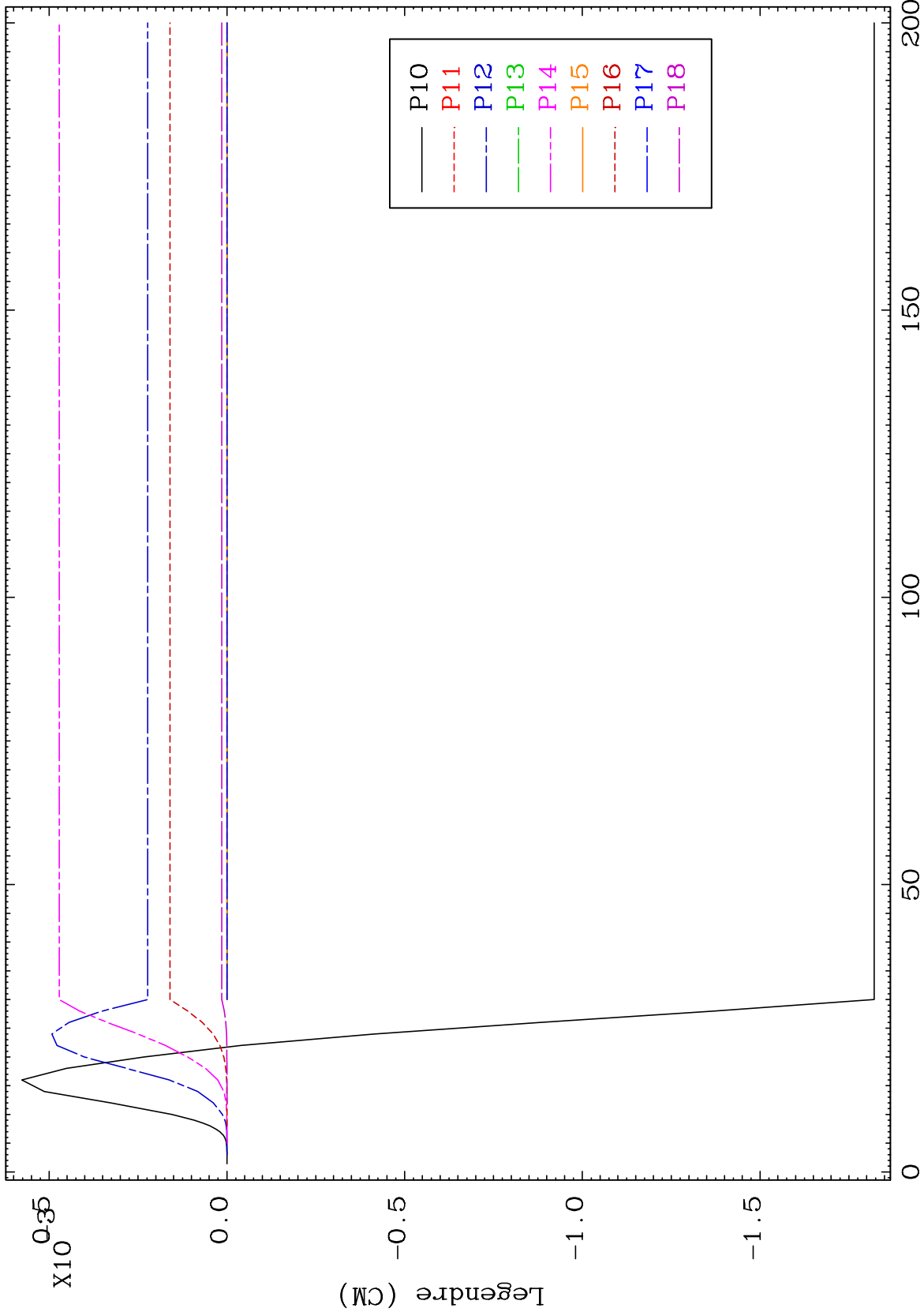
60-Nd-133



MAT 5998

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

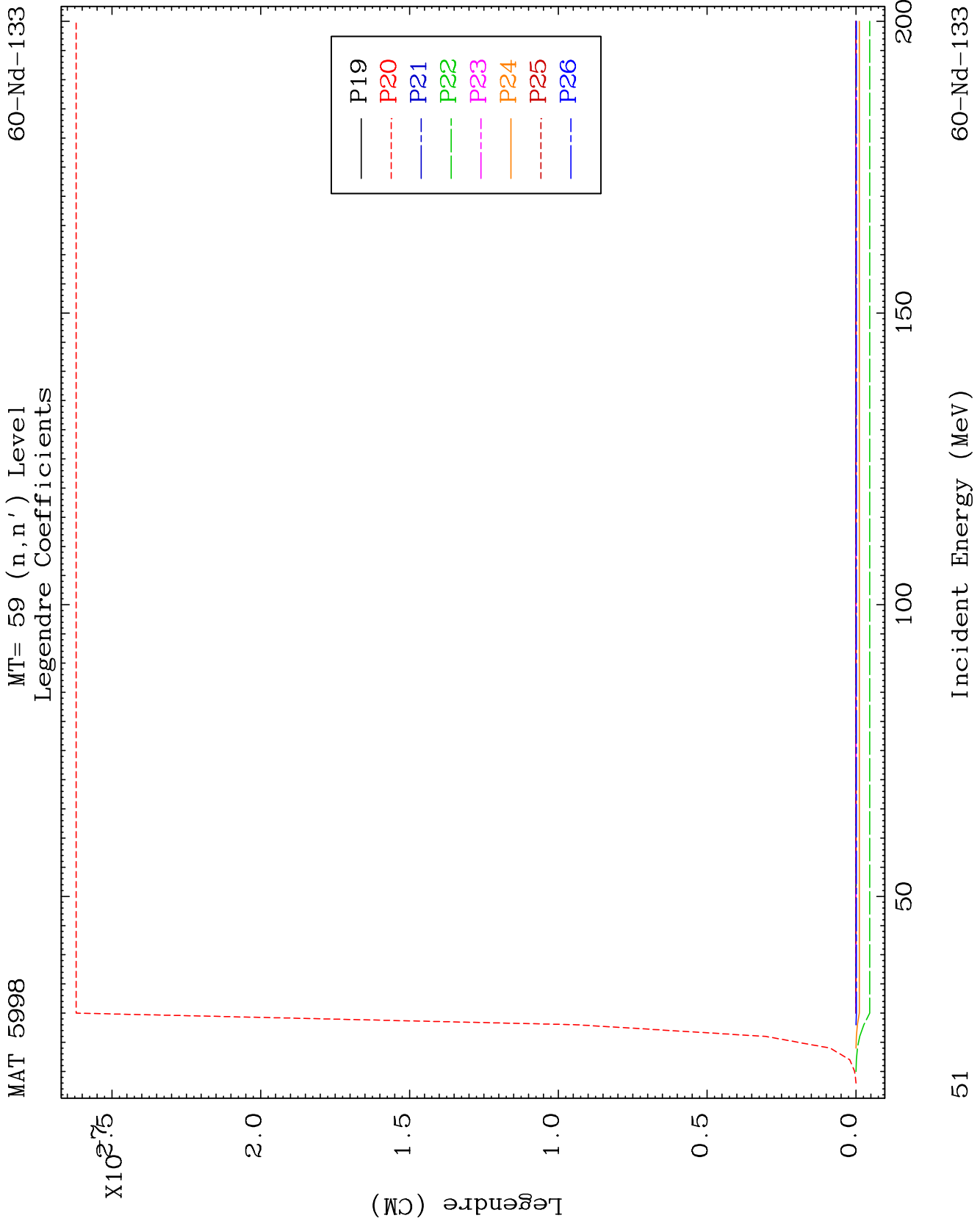
60-Nd-133



60-Nd-133

Incident Energy (MeV)

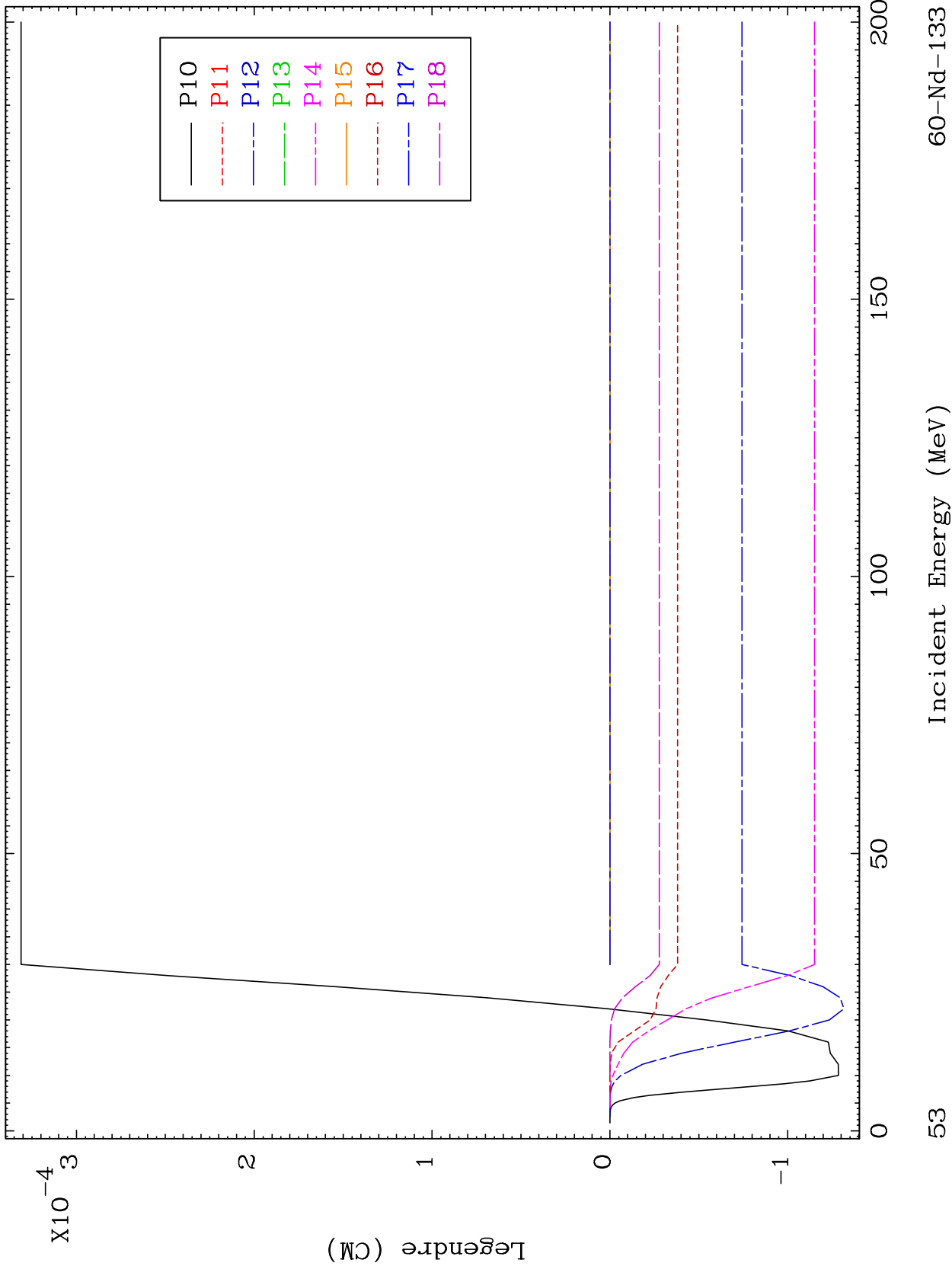
50



MAT 5998

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

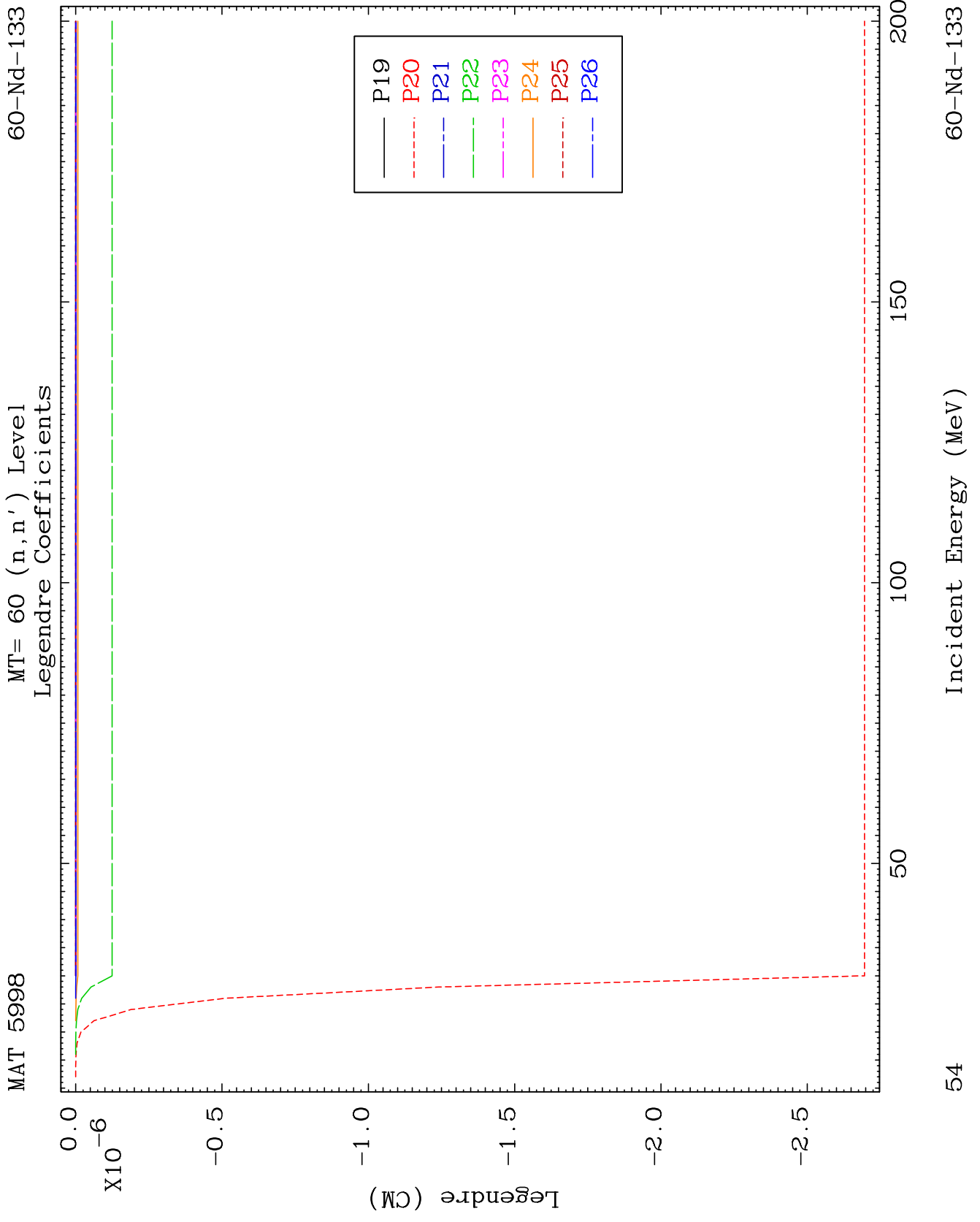
60-Nd-133



53

Incident Energy (MeV)

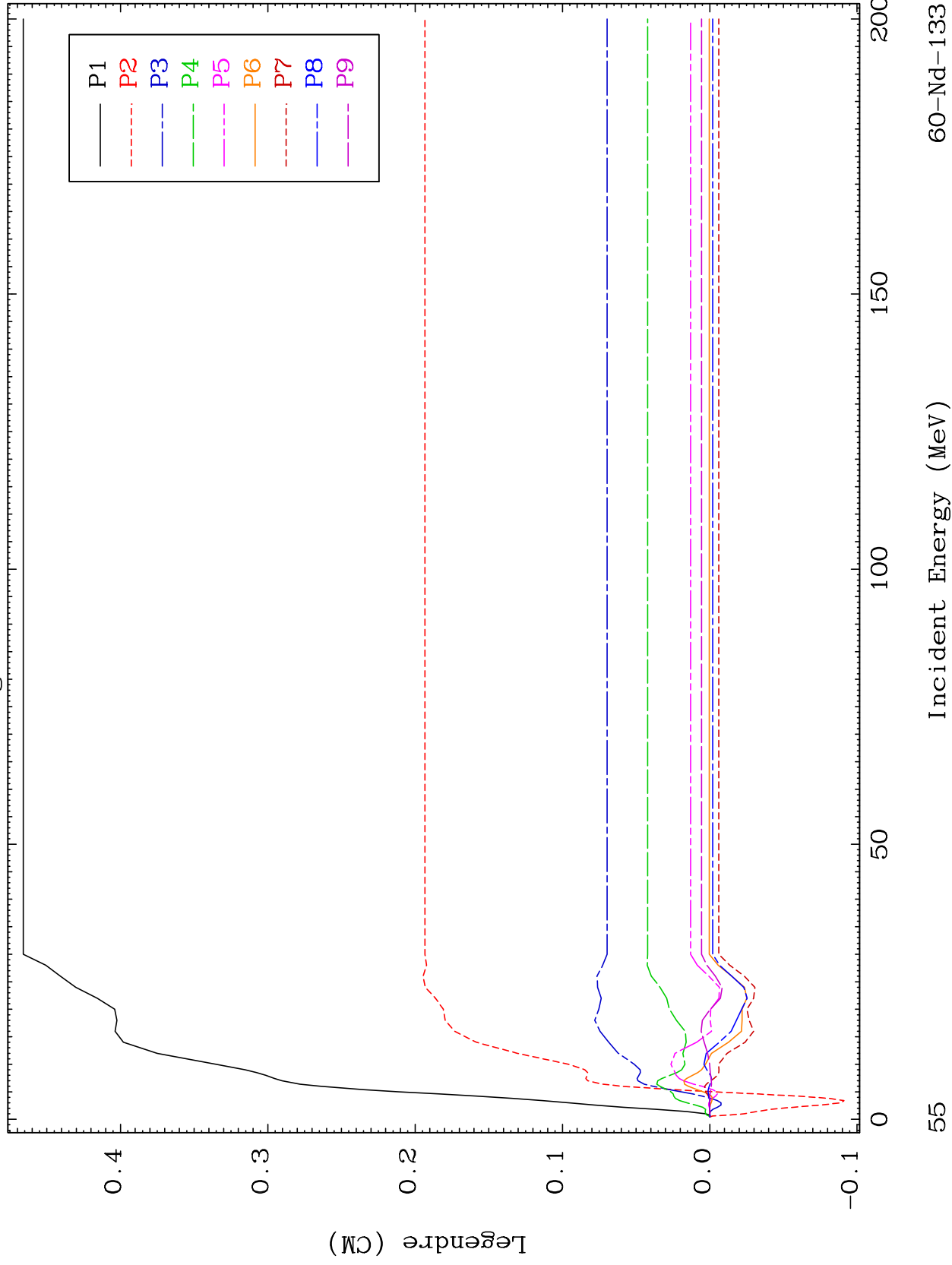
60-Nd-133



MAT 5998

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

60-Nd-133



60-Nd-133

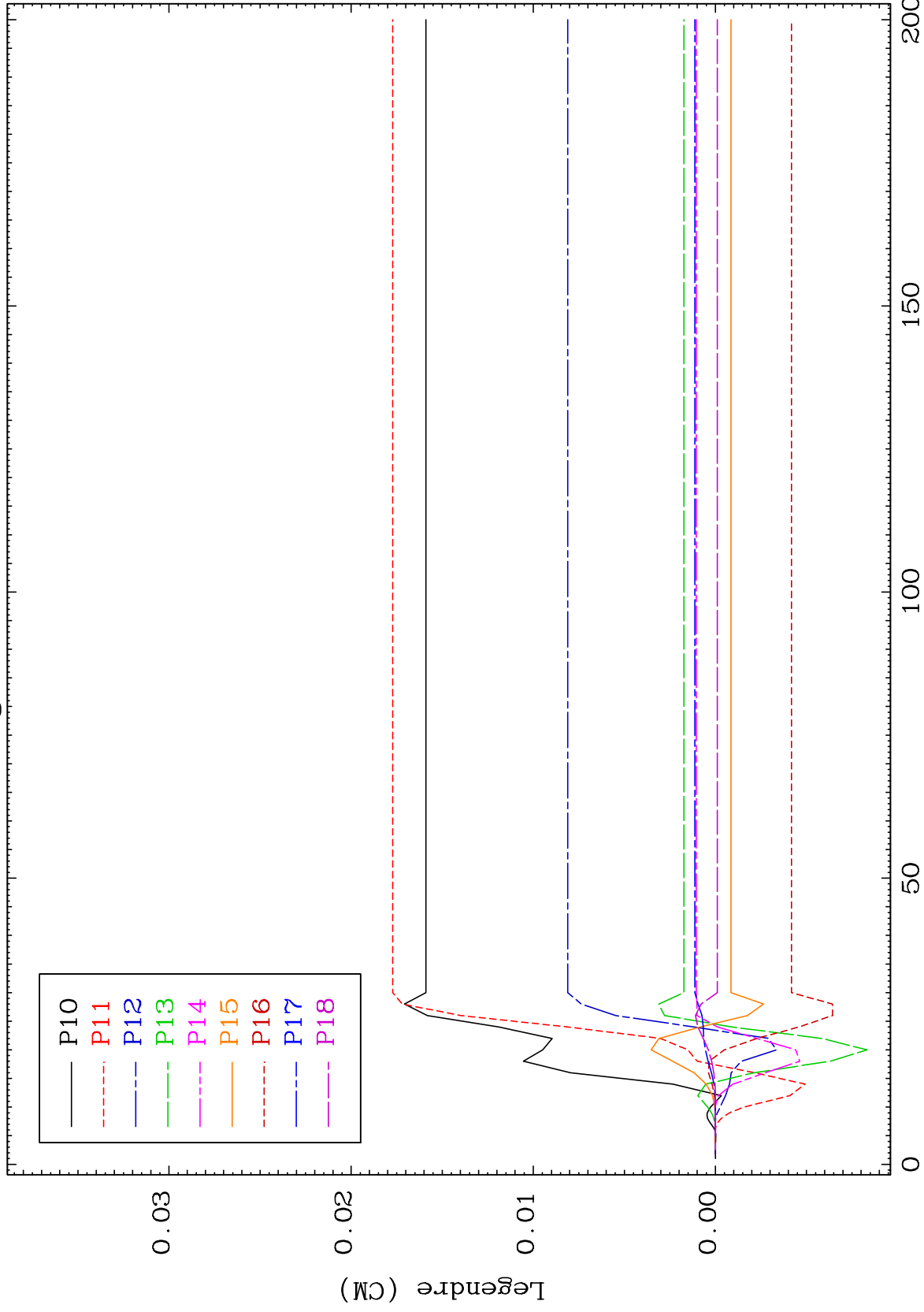
Incident Energy (MeV)

55

MAT 5998

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

60-Nd-133



56

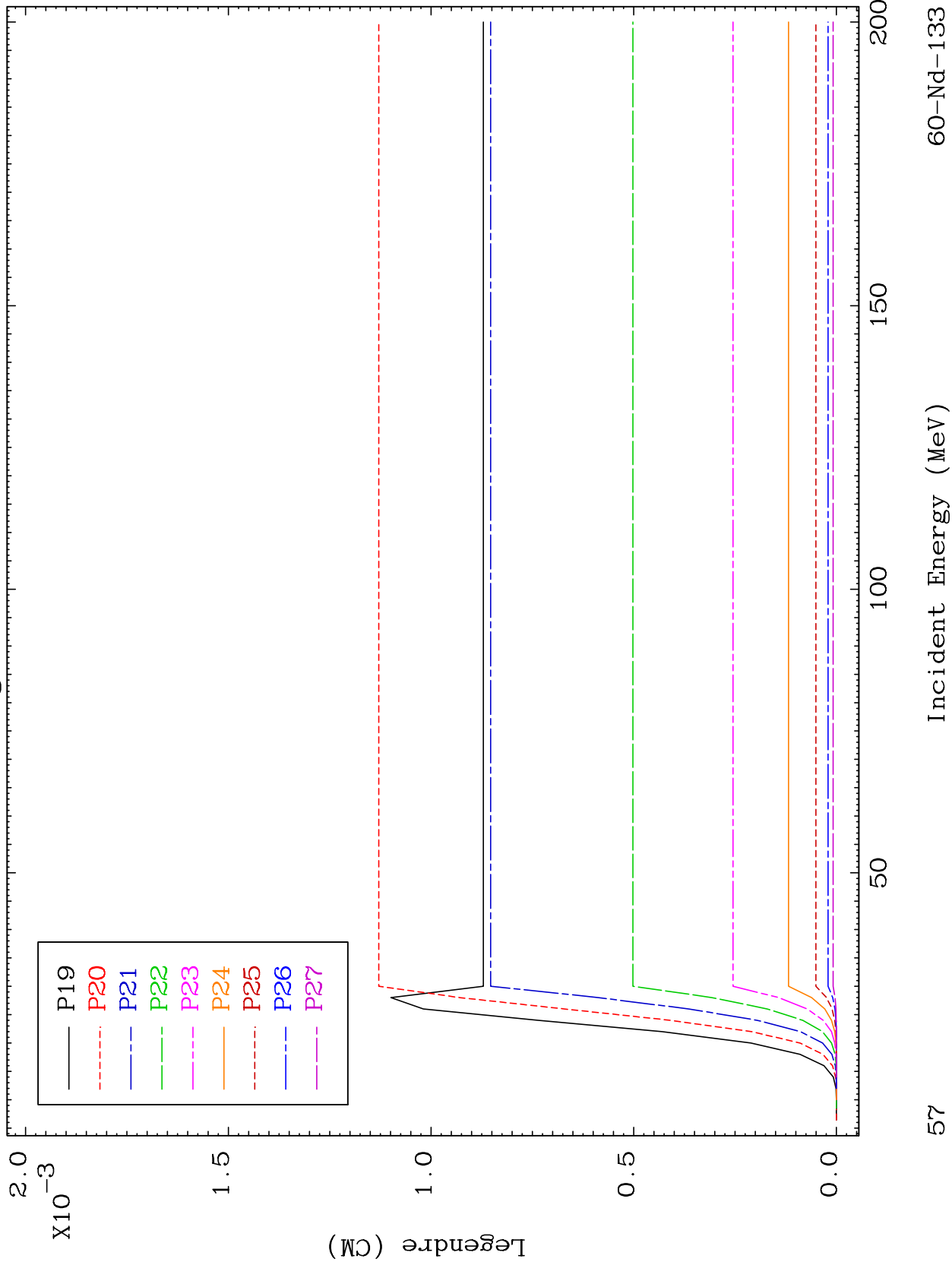
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

60-Nd-133



57

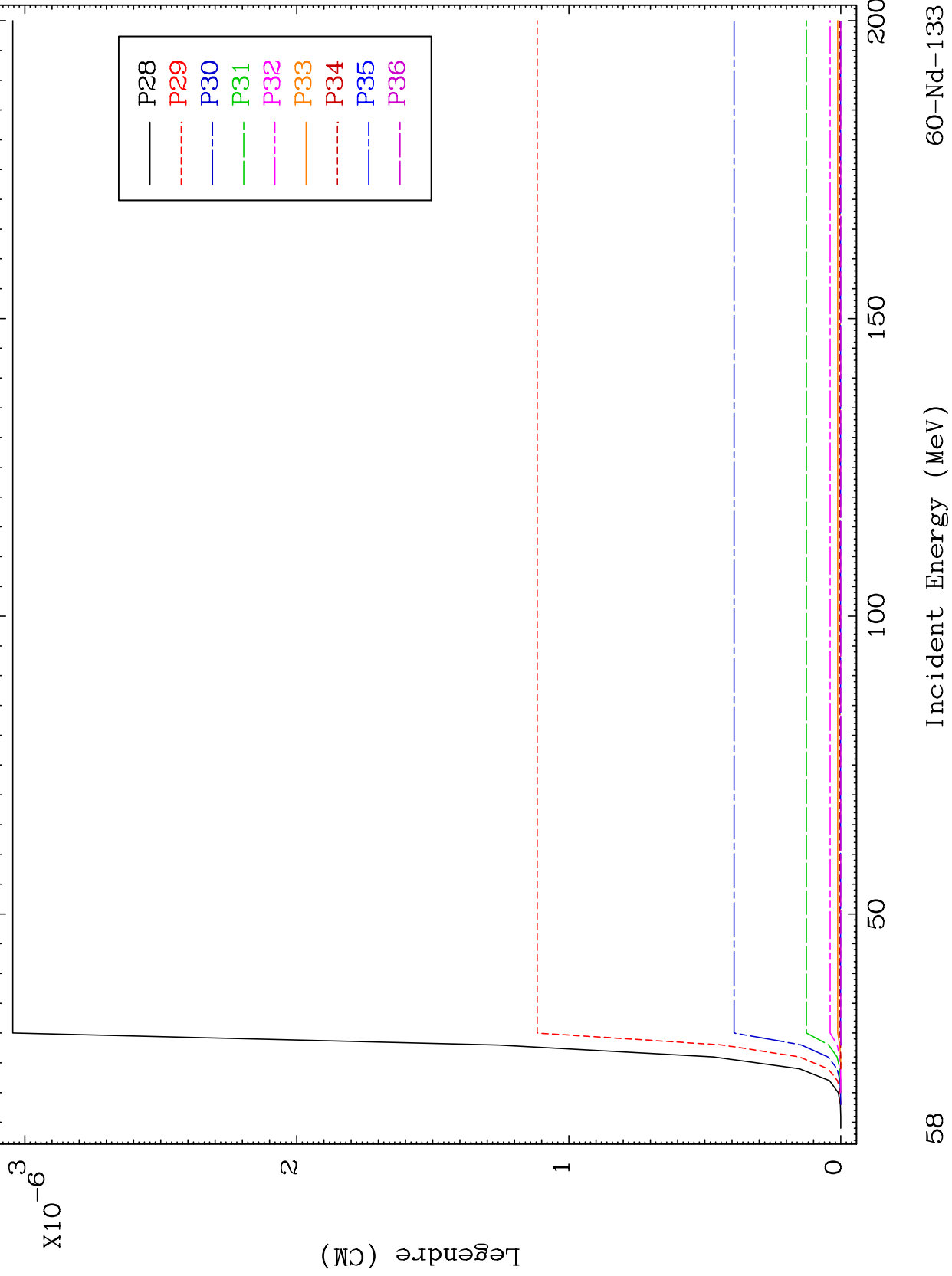
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

60-Nd-133



58

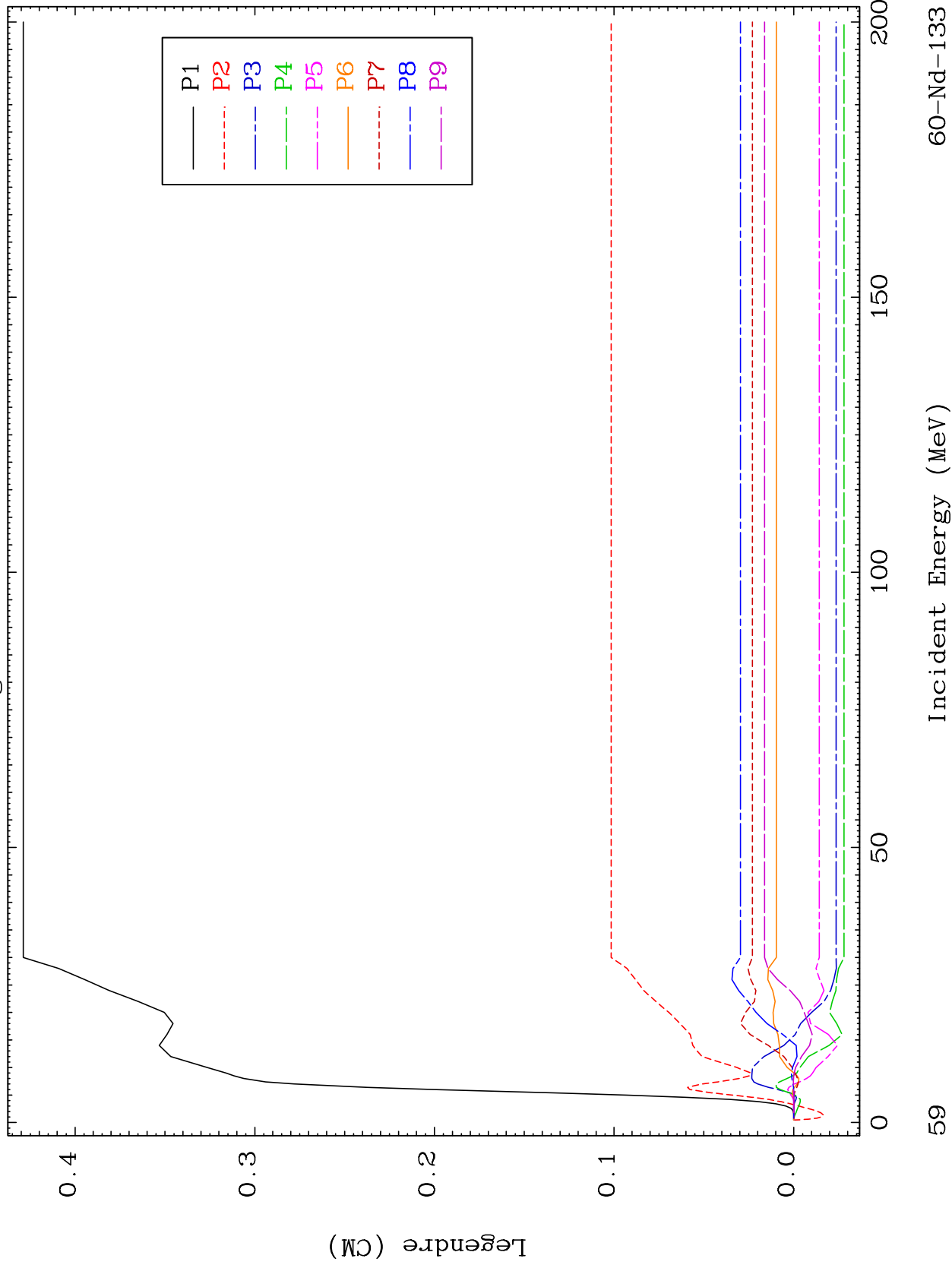
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

60-Nd-133



60-Nd-133

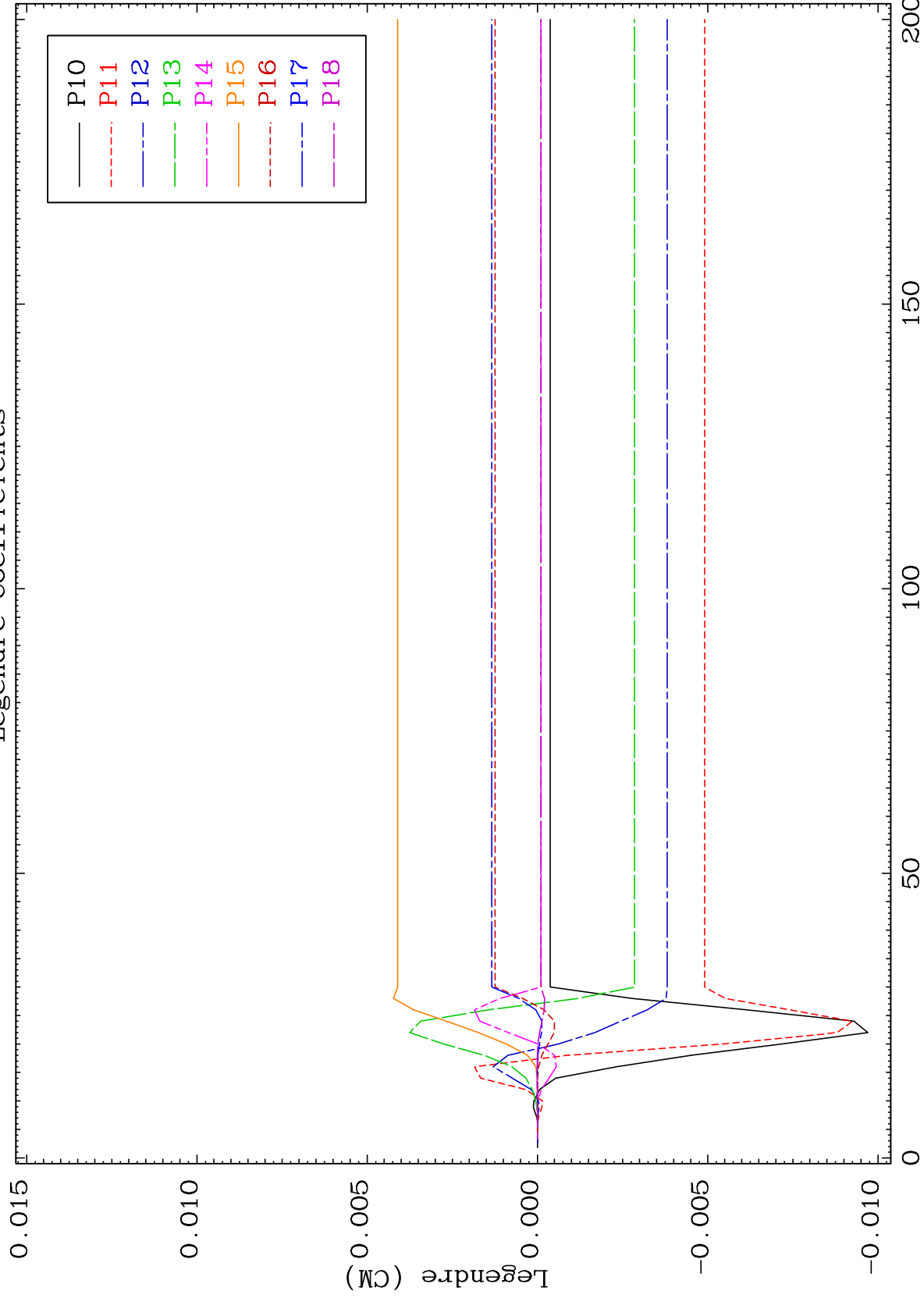
Incident Energy (MeV)

59

MAT 5998

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

60-Nd-133



60

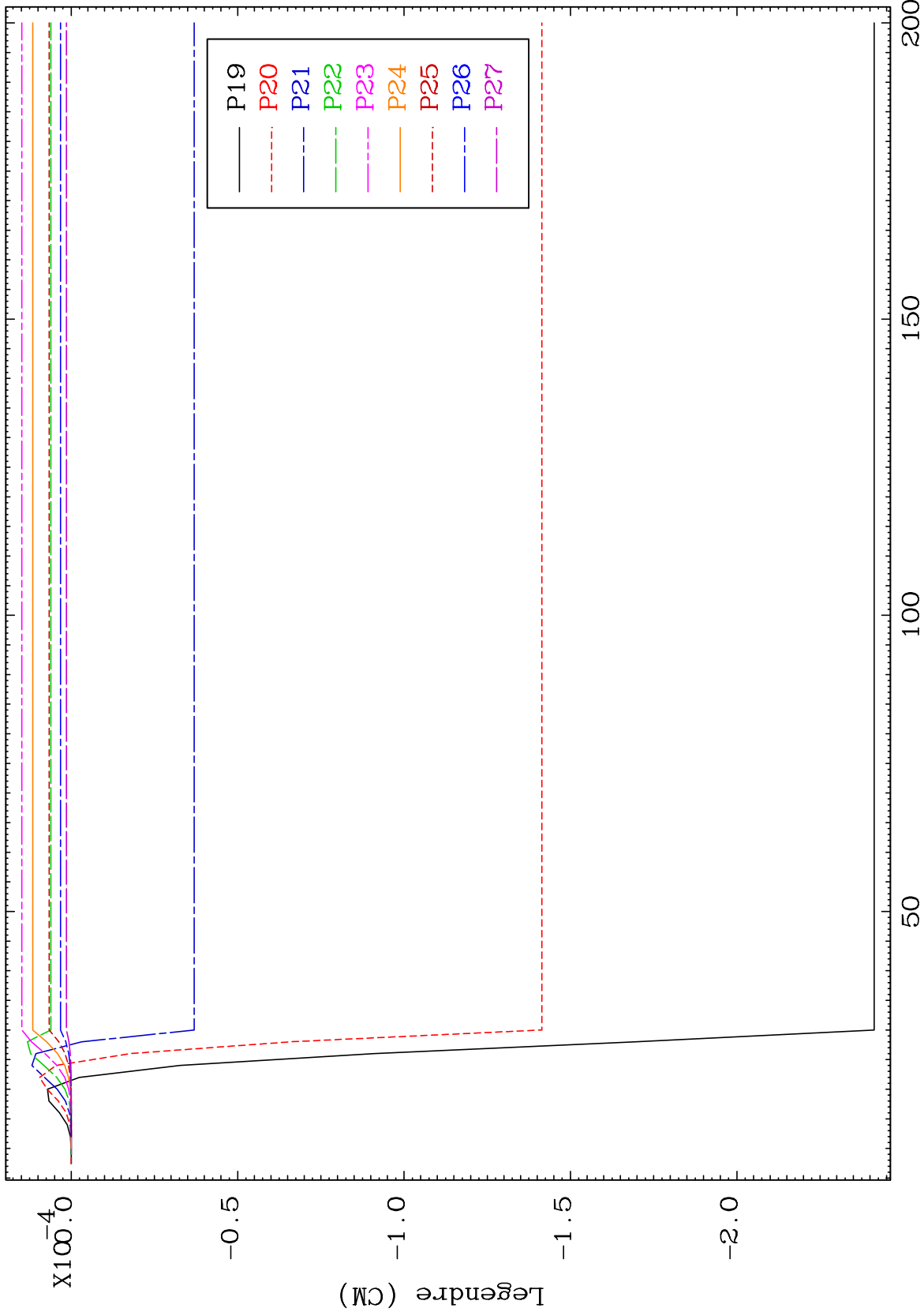
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

60-Nd-133



61

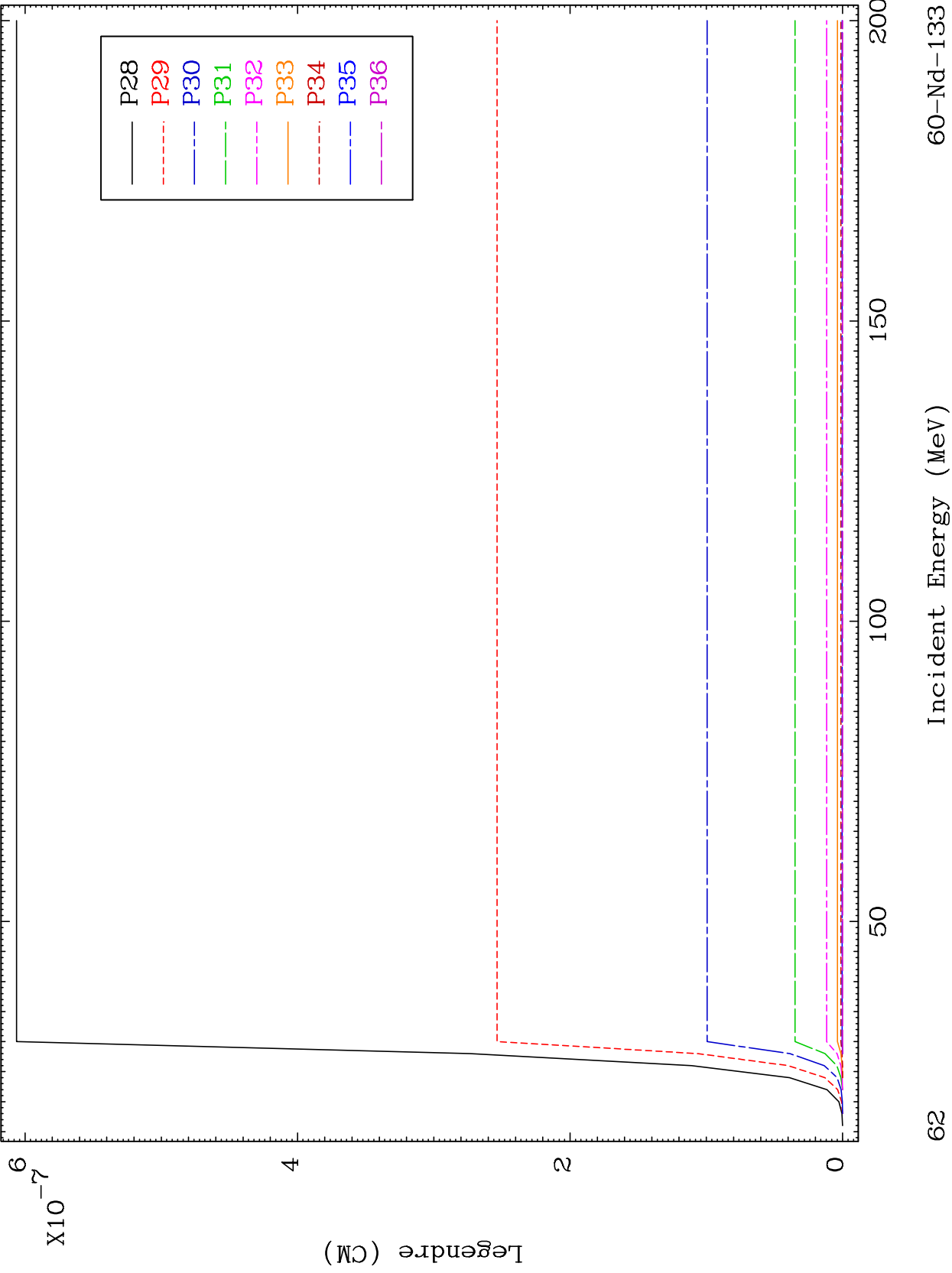
Incident Energy (MeV)

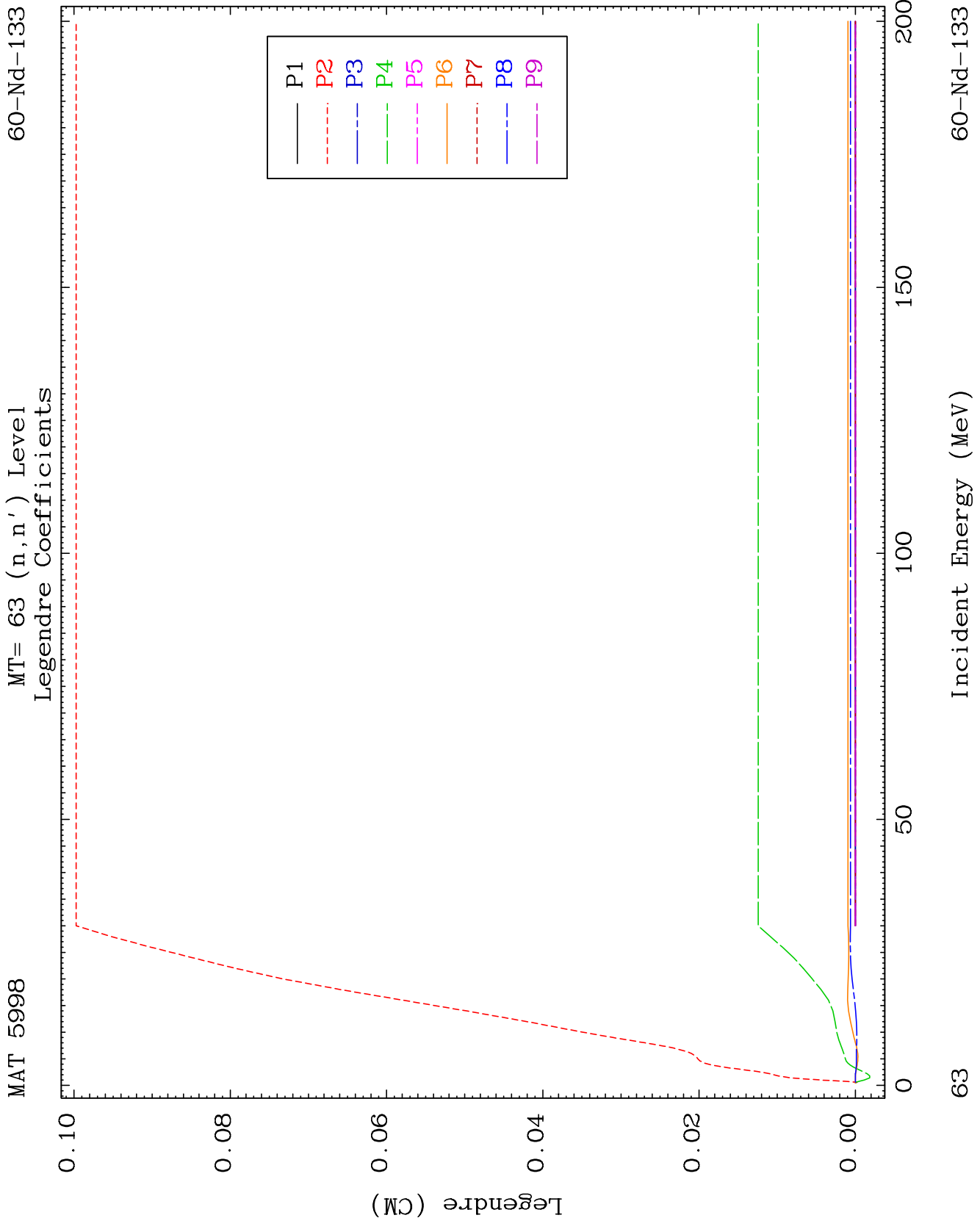
60-Nd-133

MAT 5998

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

60-Nd-133

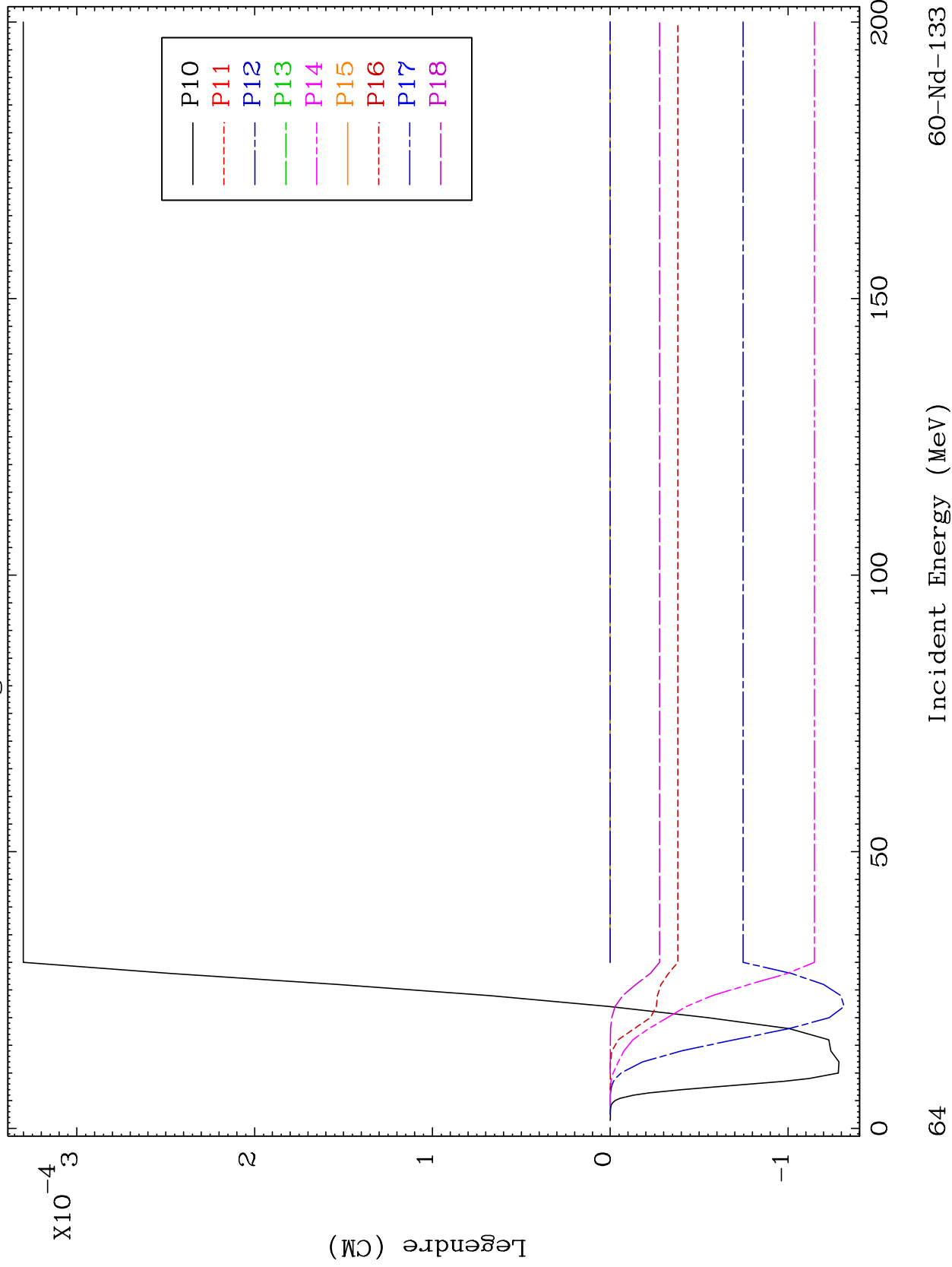




MAT 5998

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

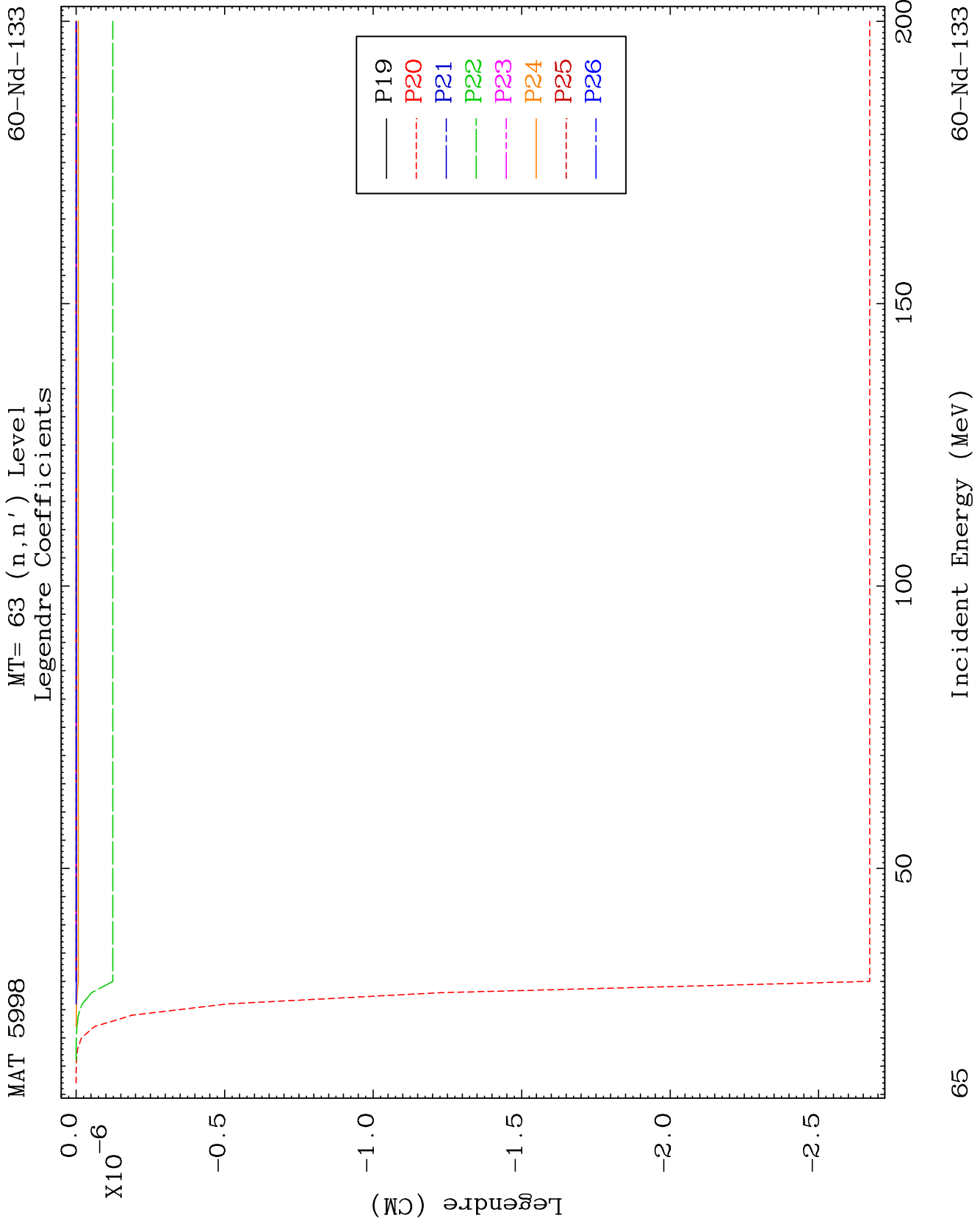
60-Nd-133



64

Incident Energy (MeV)

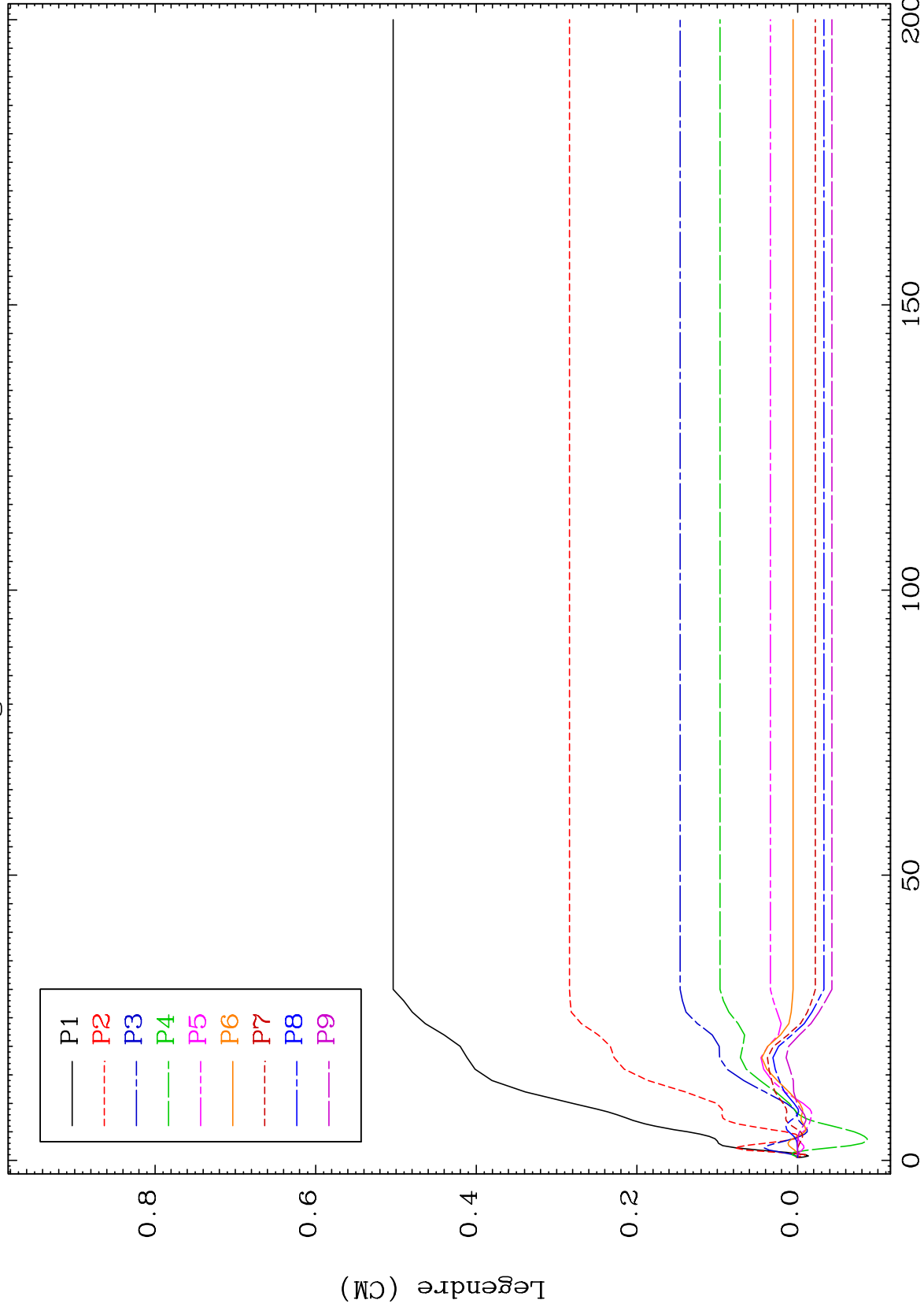
60-Nd-133



MAT 5998

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

60-Nd-133



66

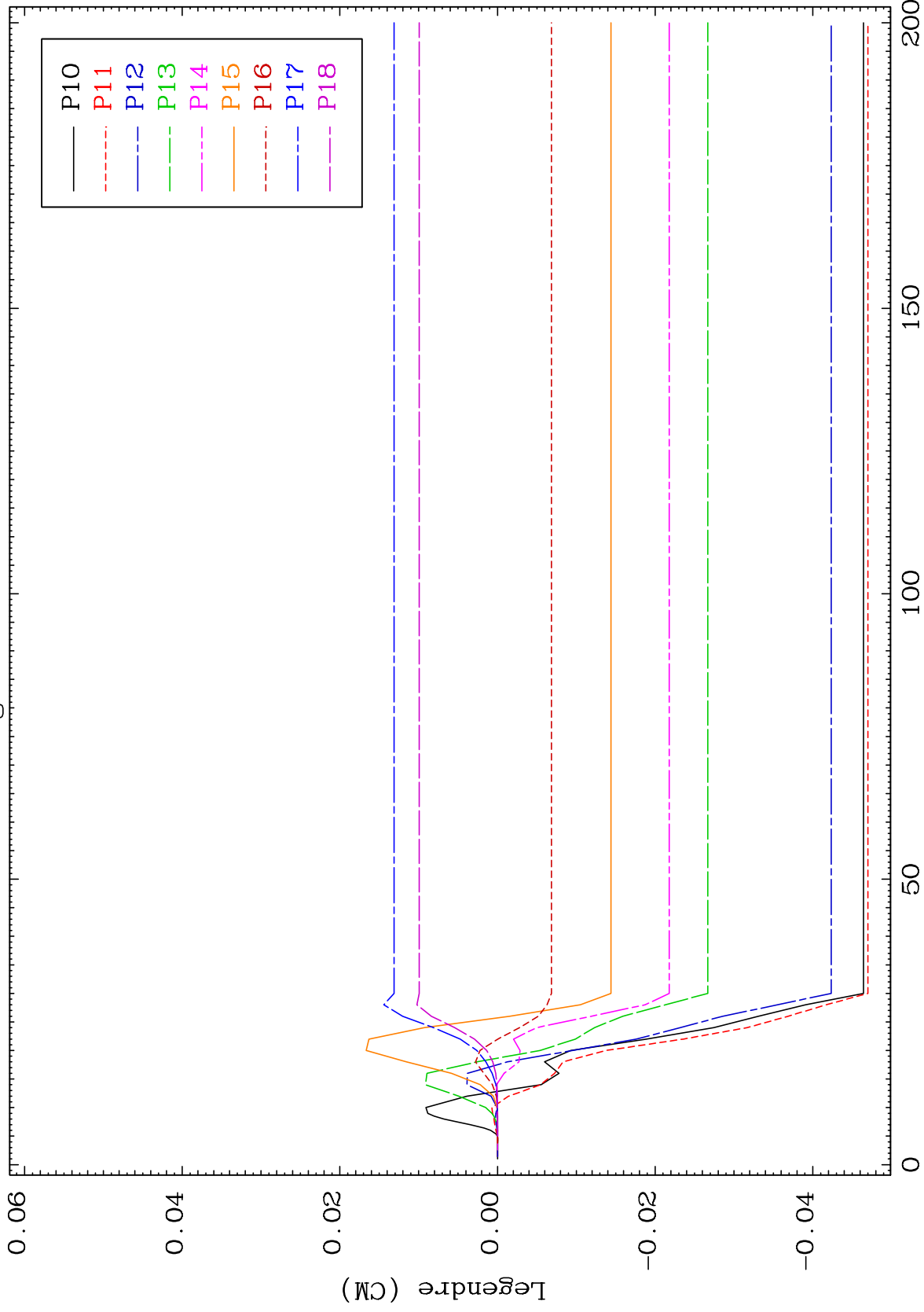
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

60-Nd-133



67

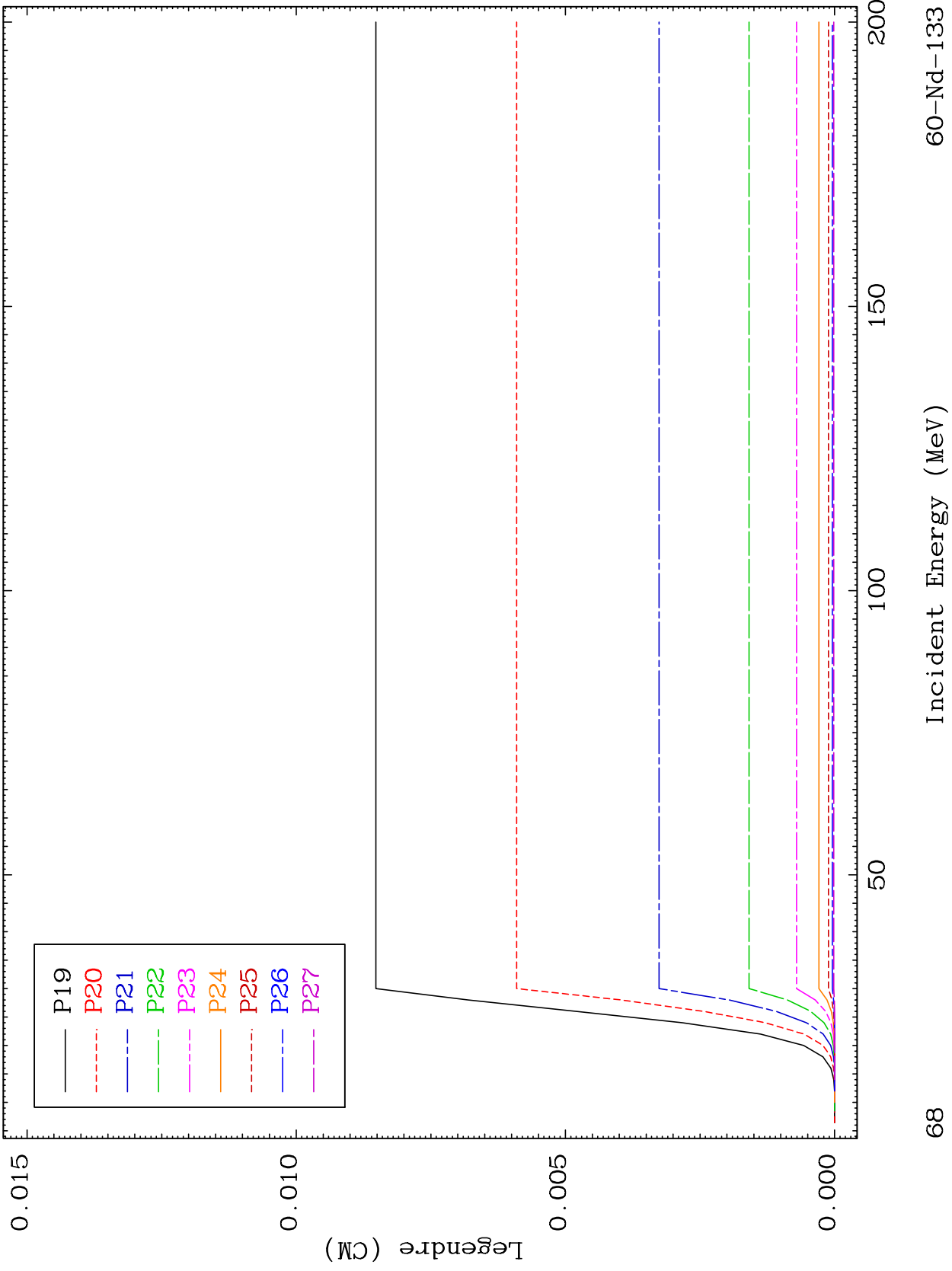
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

60-Nd-133



68

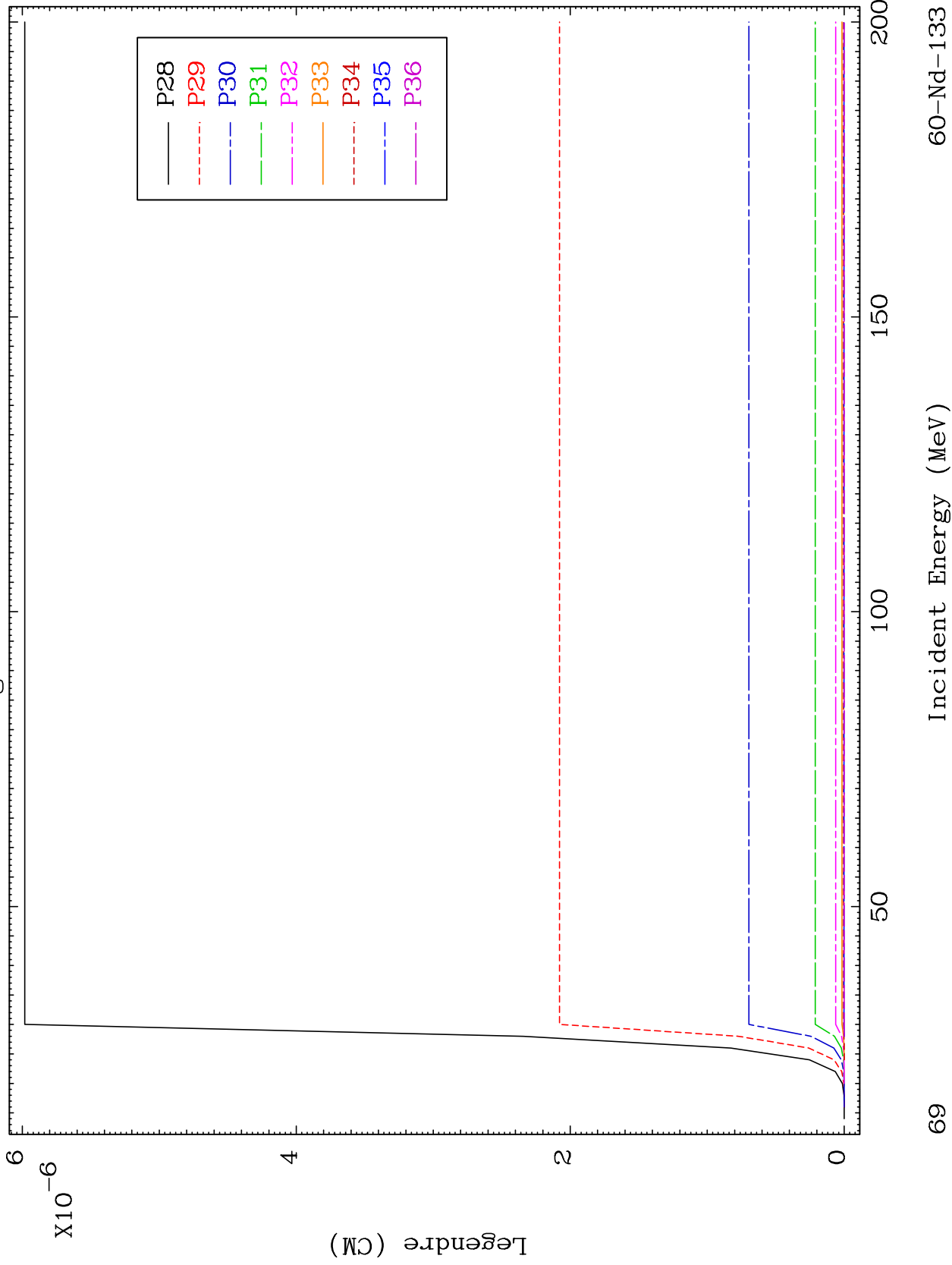
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

60-Nd-133



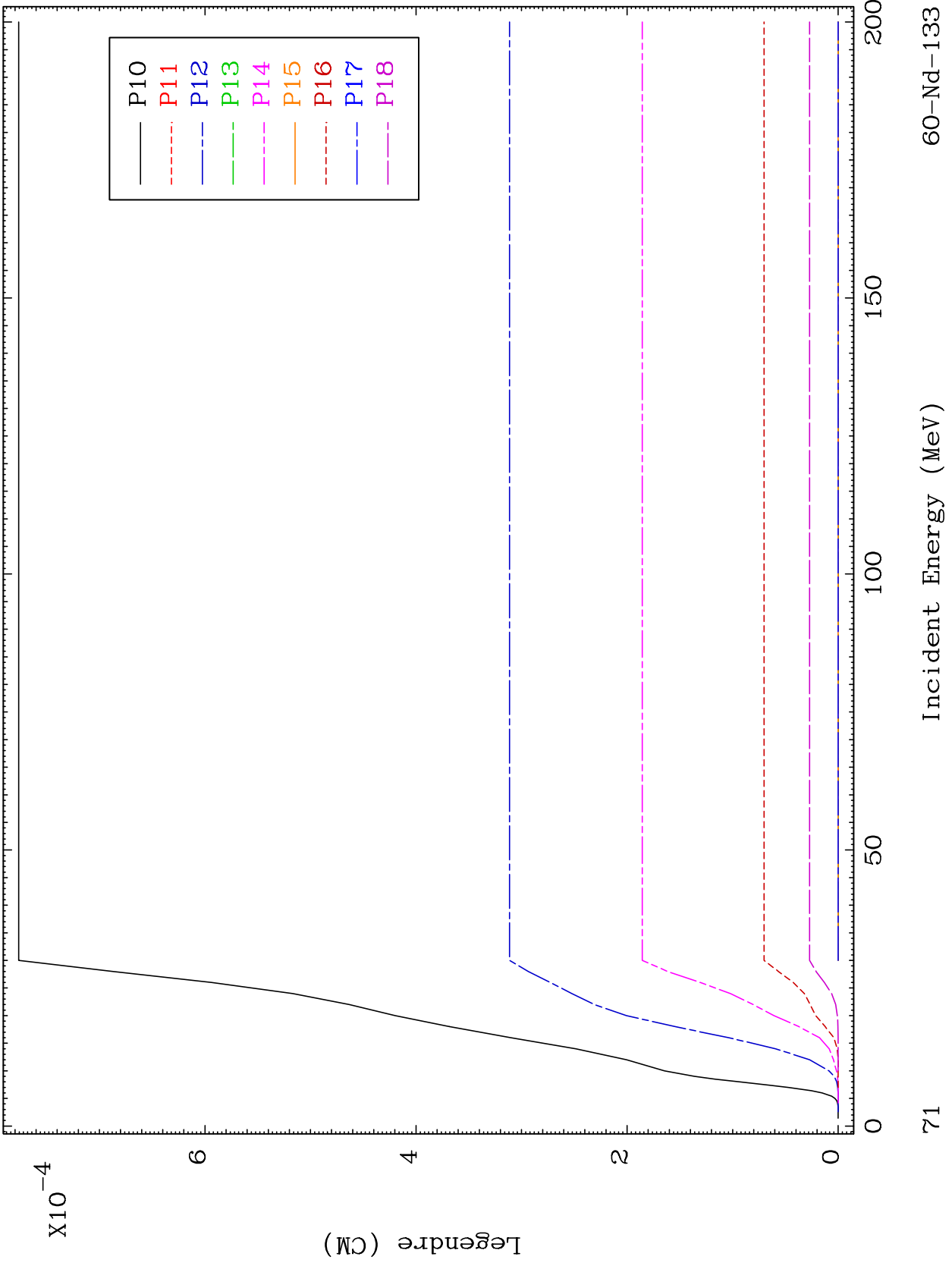
69

60-Nd-133

MAT 5998

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

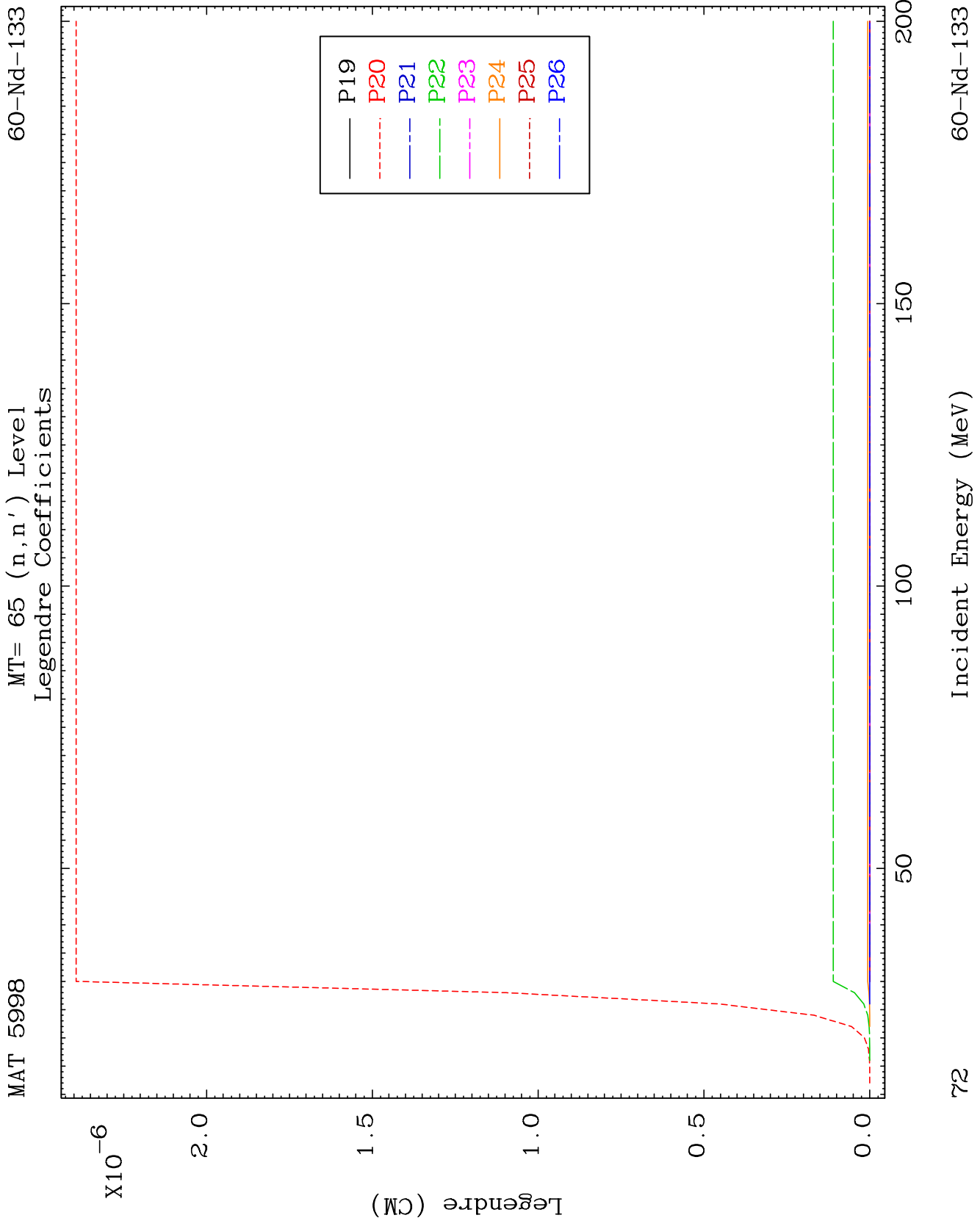
60-Nd-133

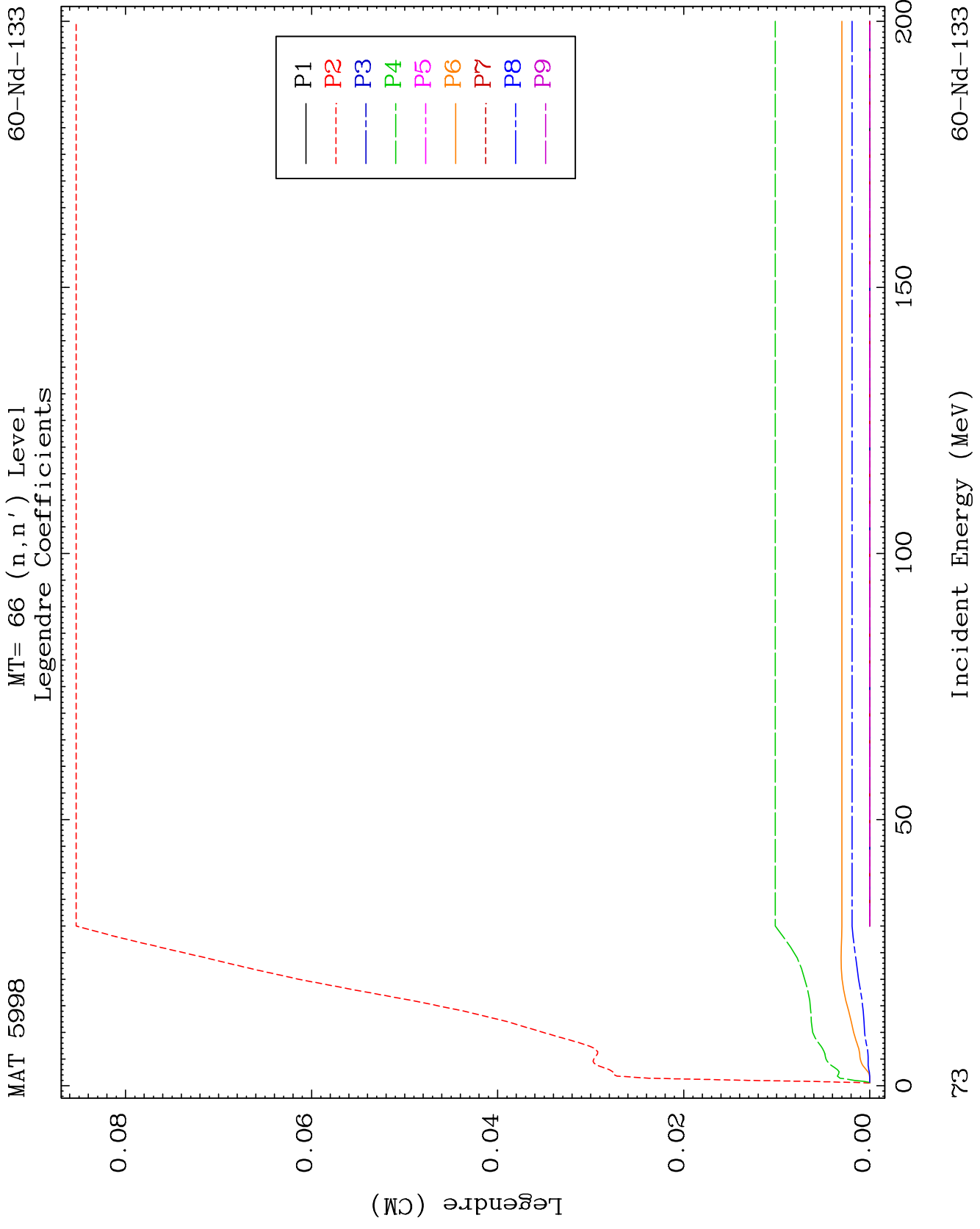


71

Incident Energy (MeV)

60-Nd-133

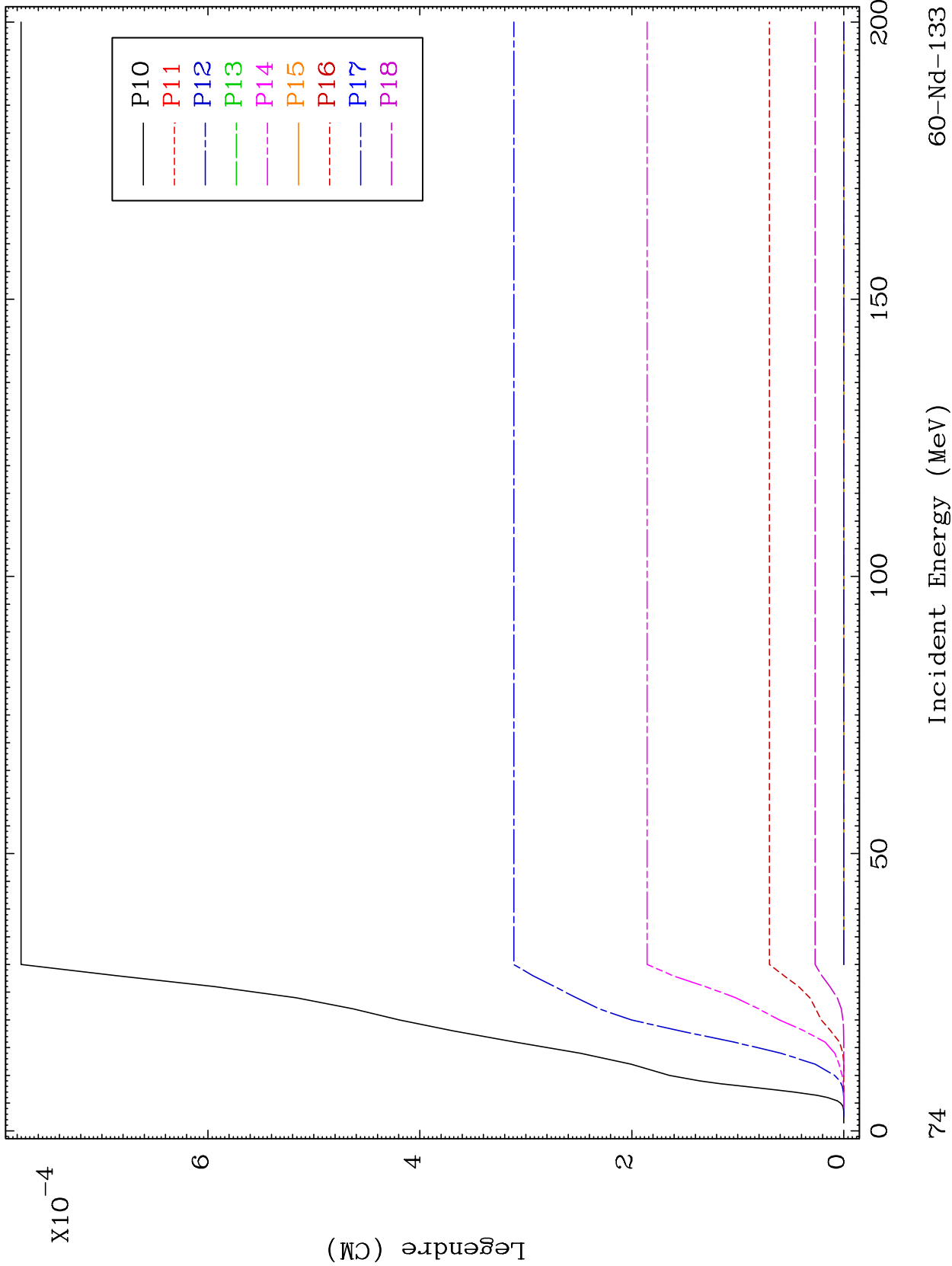




MAT 5998

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

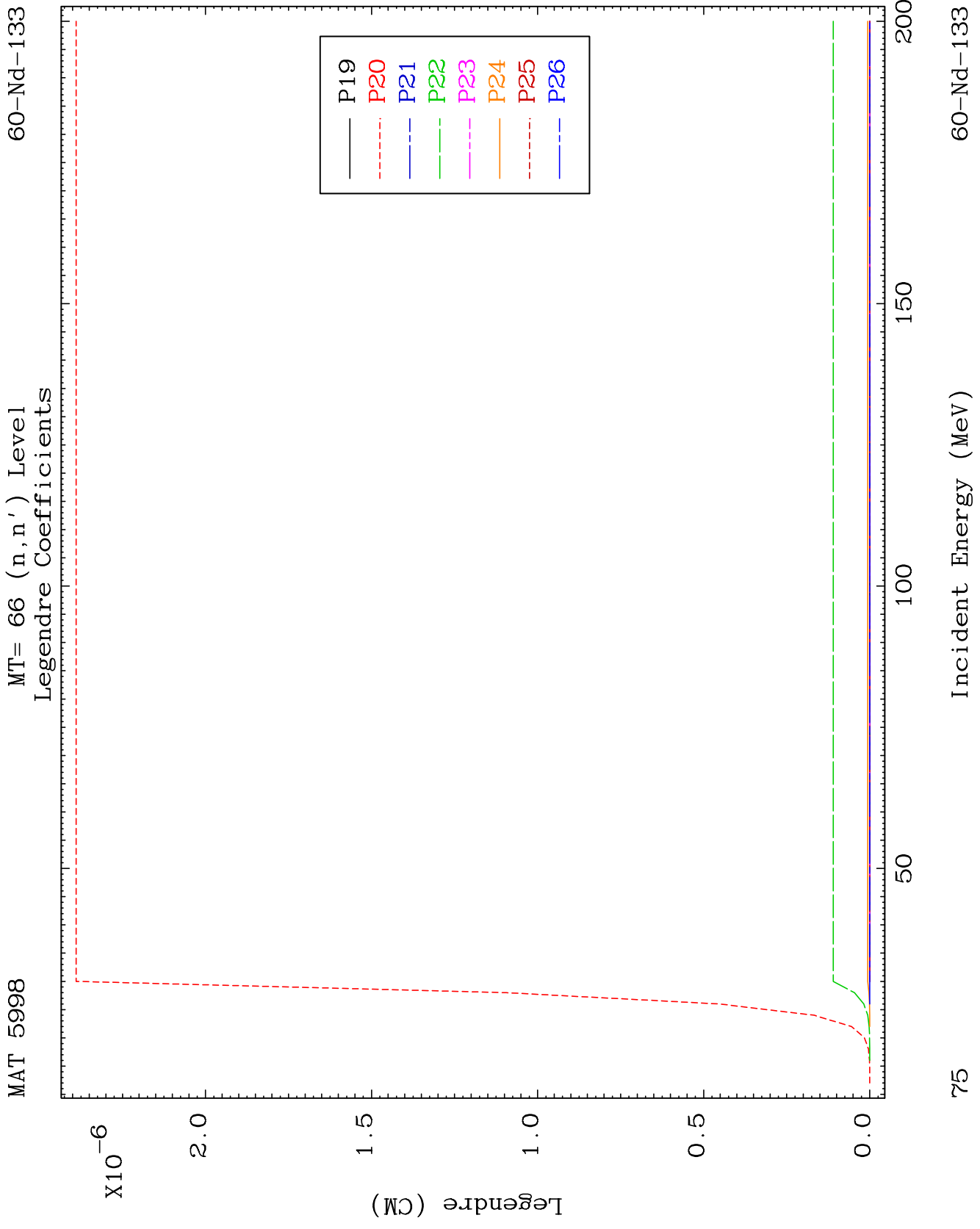
60-Nd-133

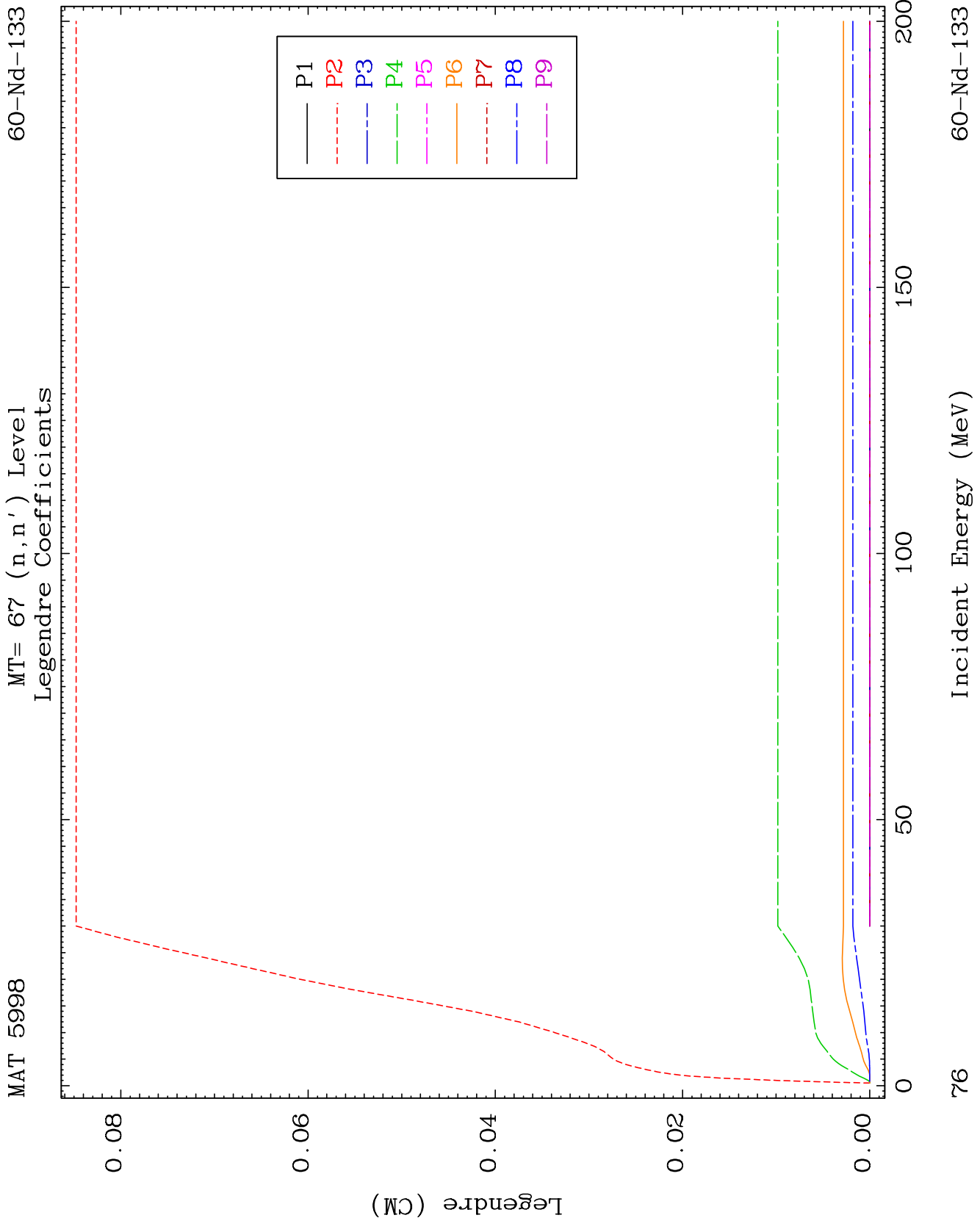


74

Incident Energy (MeV)

60-Nd-133

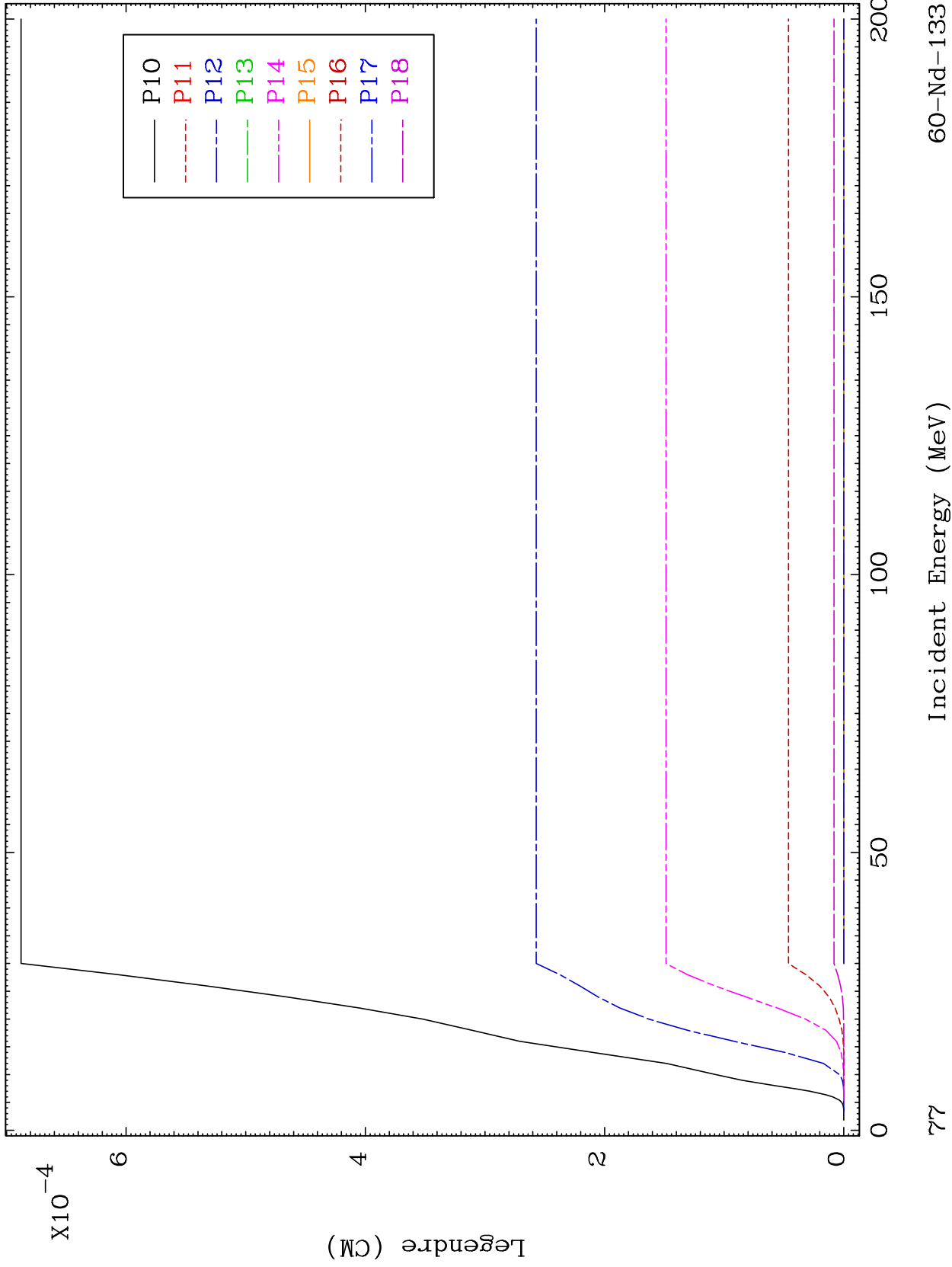


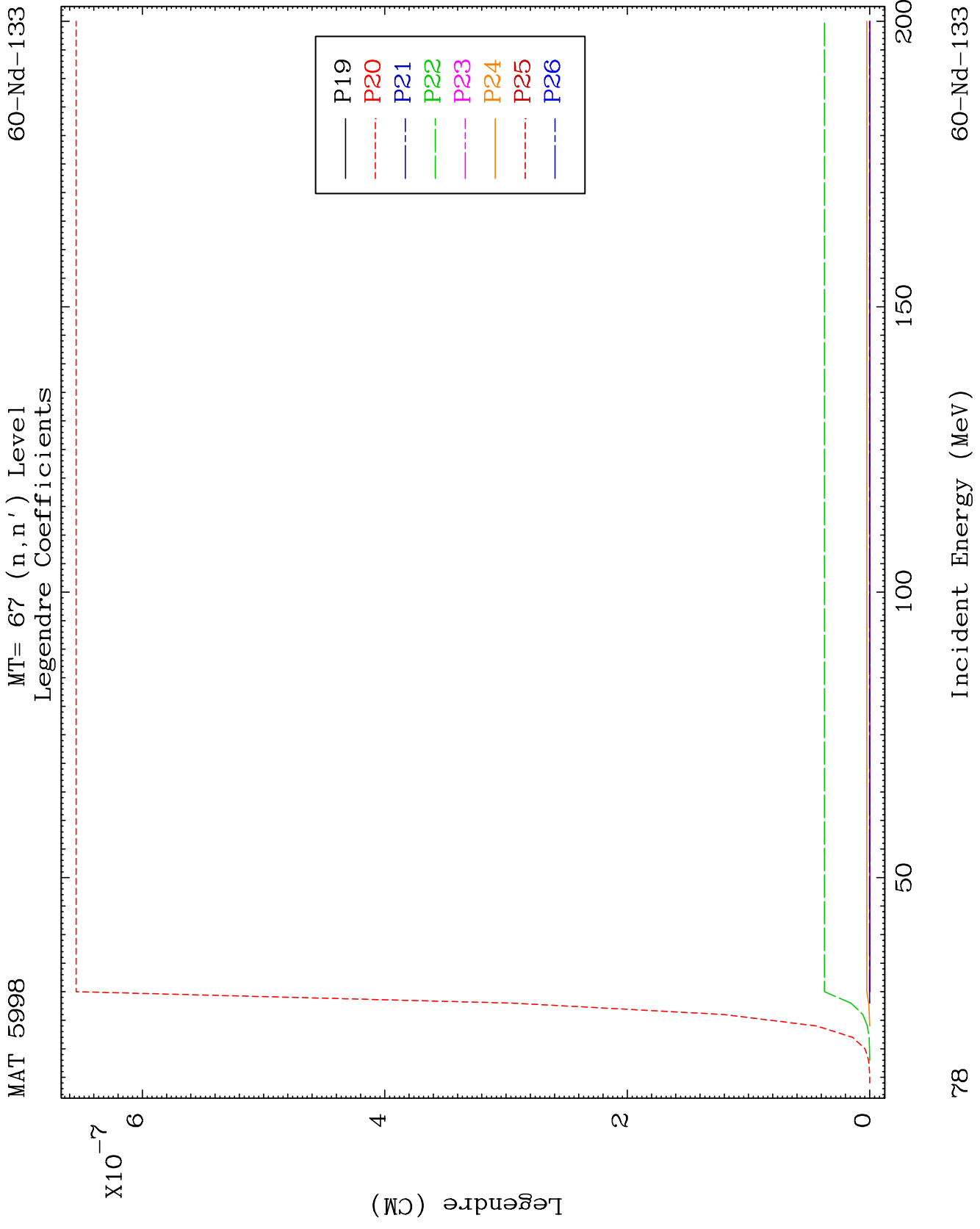


MAT 5998

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

60-Nd-133

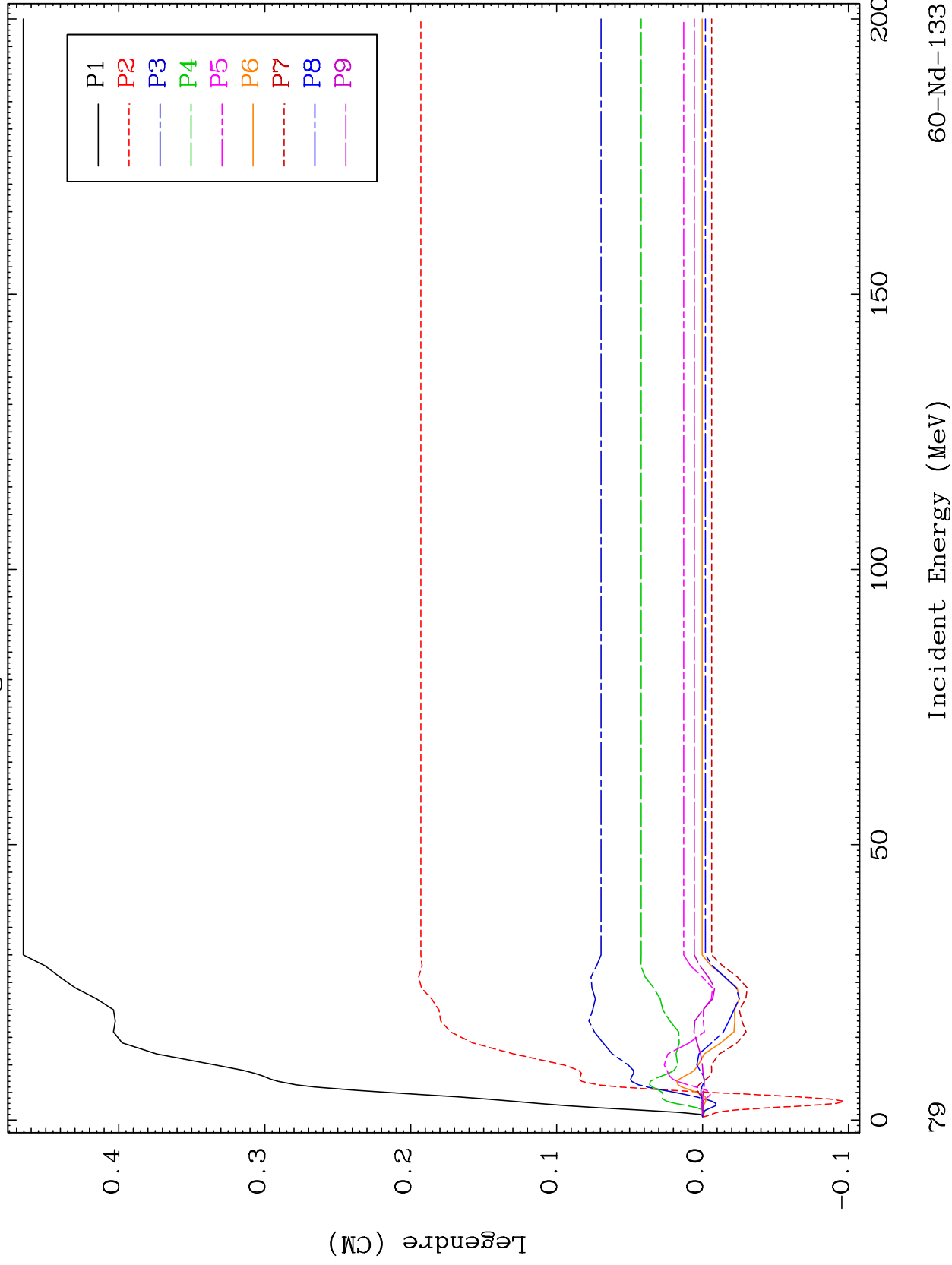




MAT 5998

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

60-Nd-133



60-Nd-133

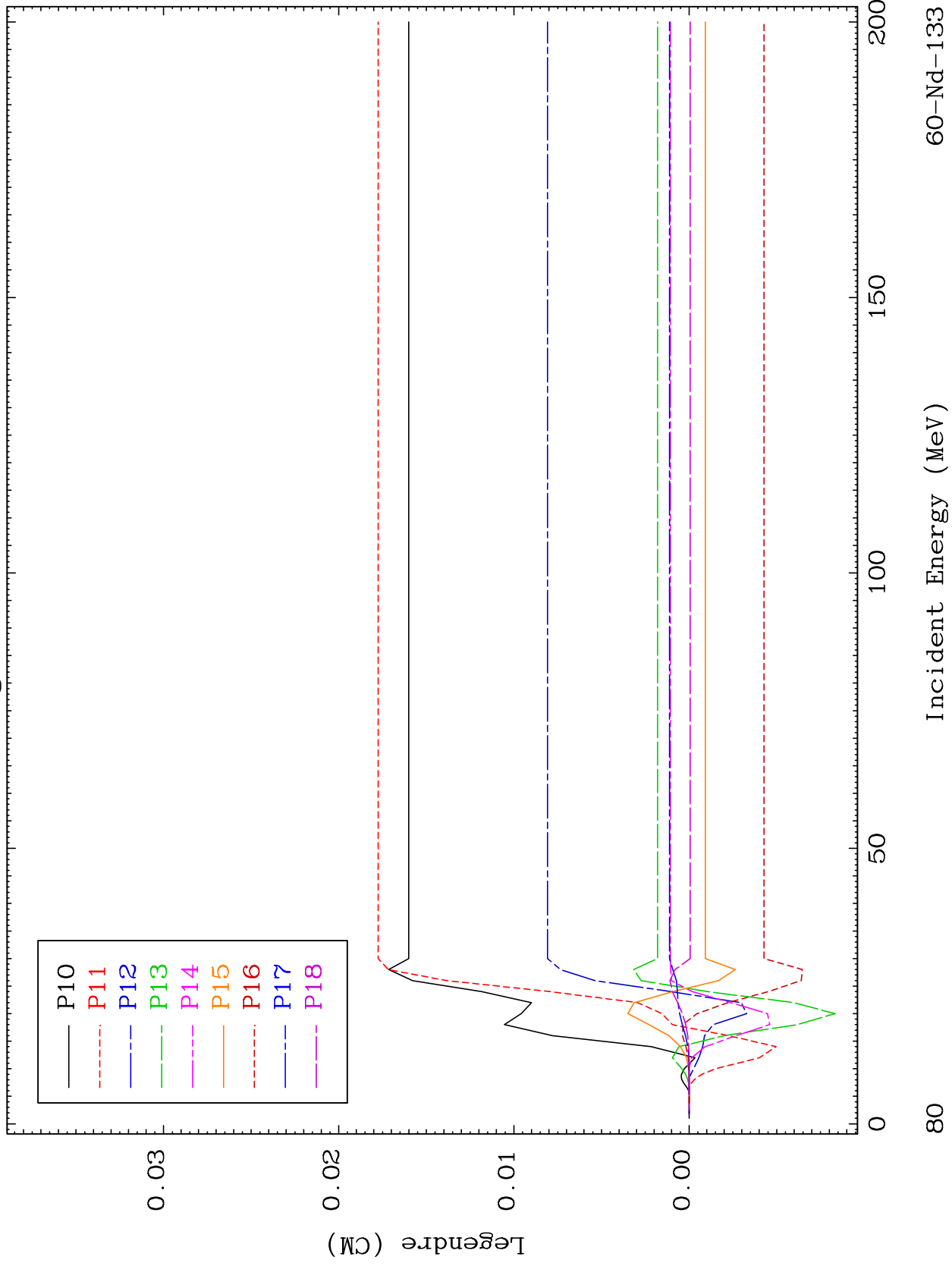
Incident Energy (MeV)

79

MAT 5998

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

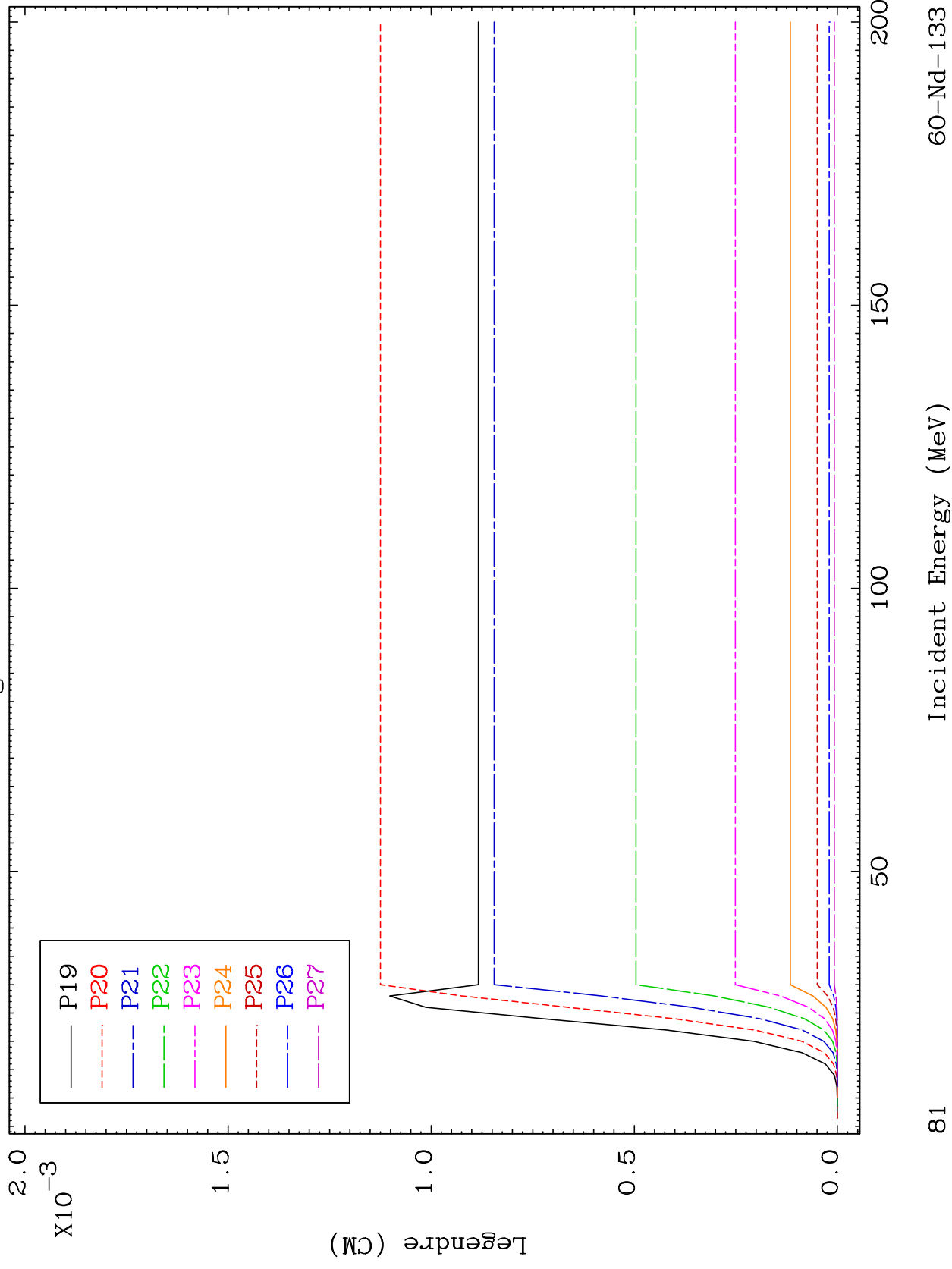
60-Nd-133



60-Nd-133

Incident Energy (MeV)

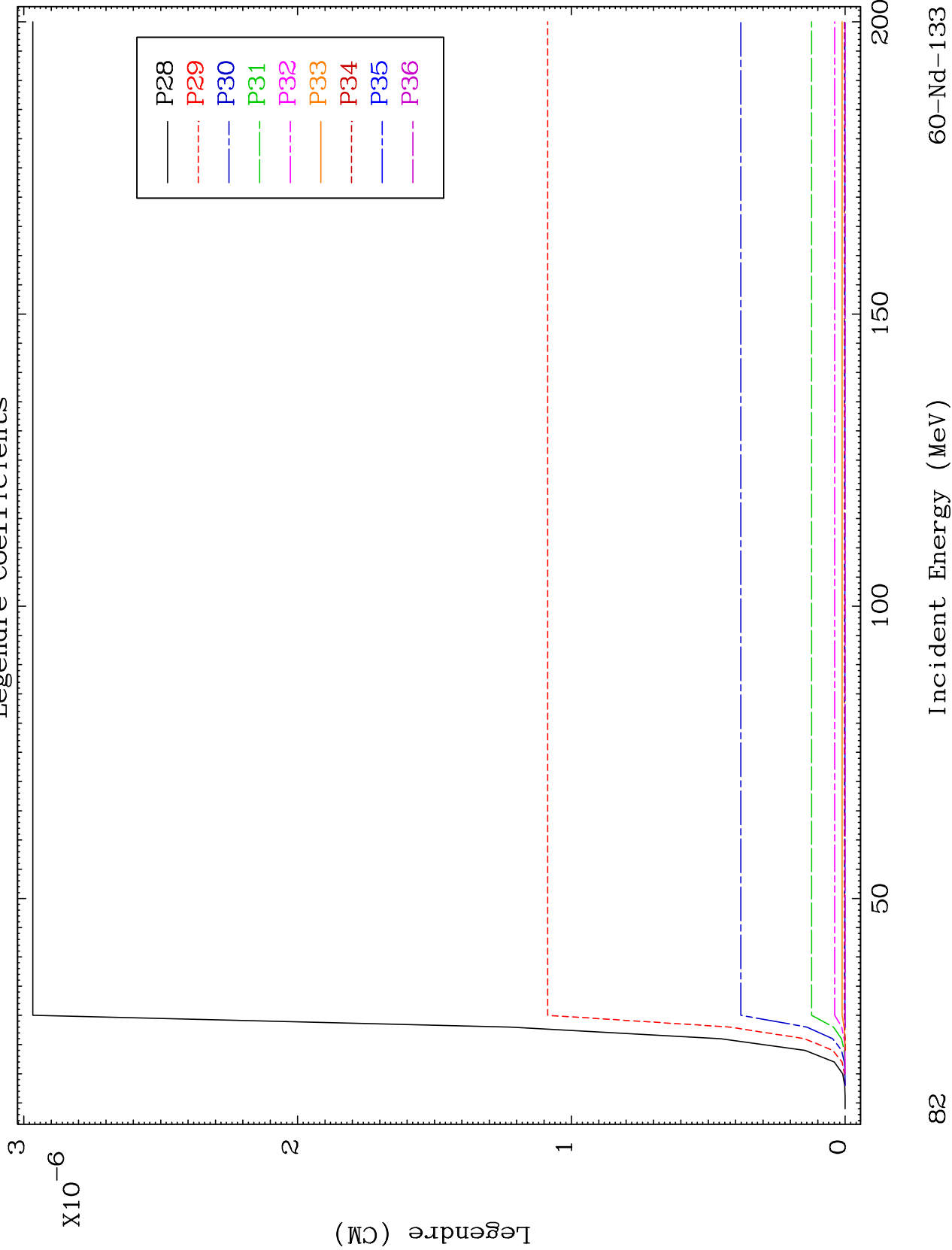
80



MAT 5998

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

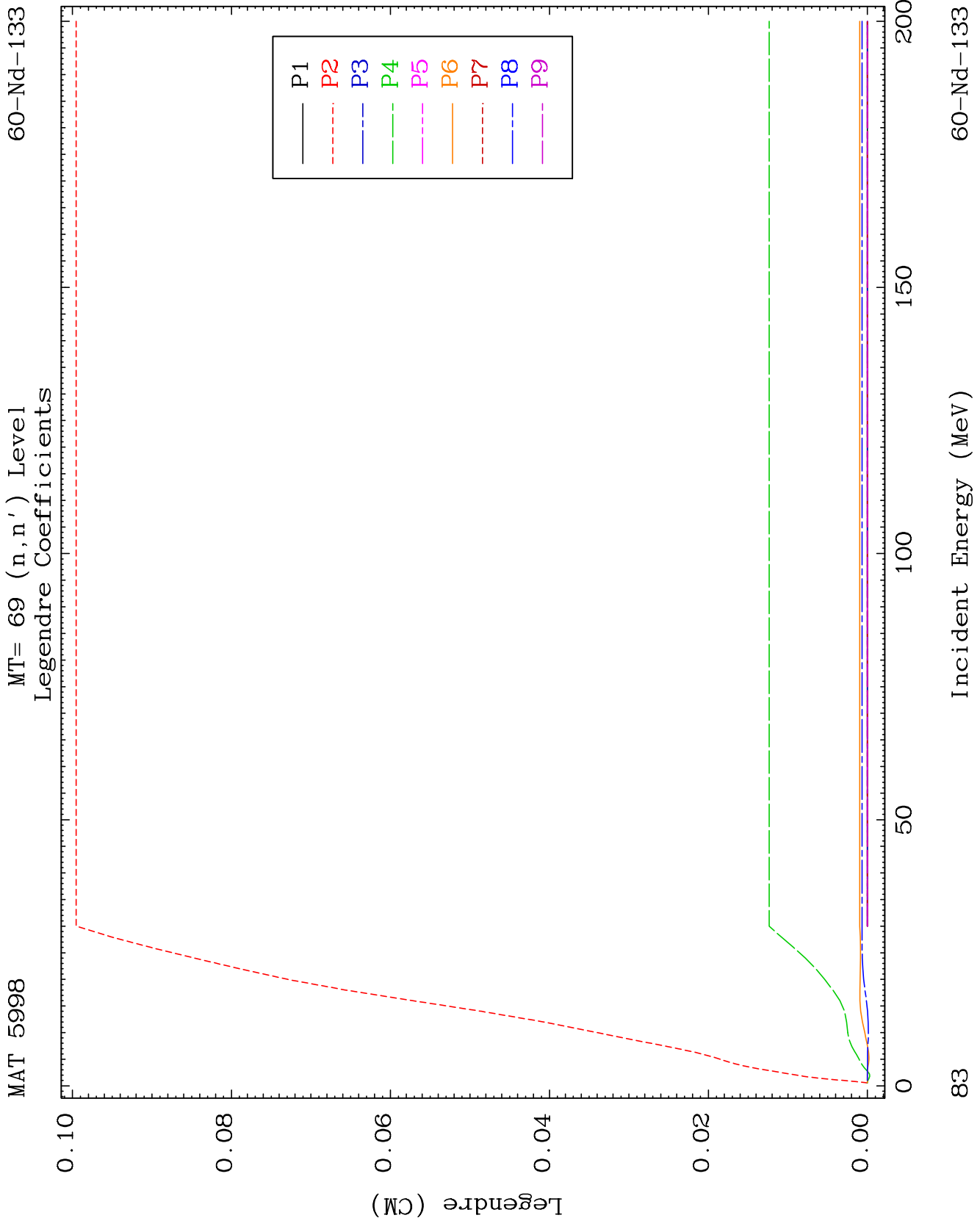
60-Nd-133



82

Incident Energy (MeV)

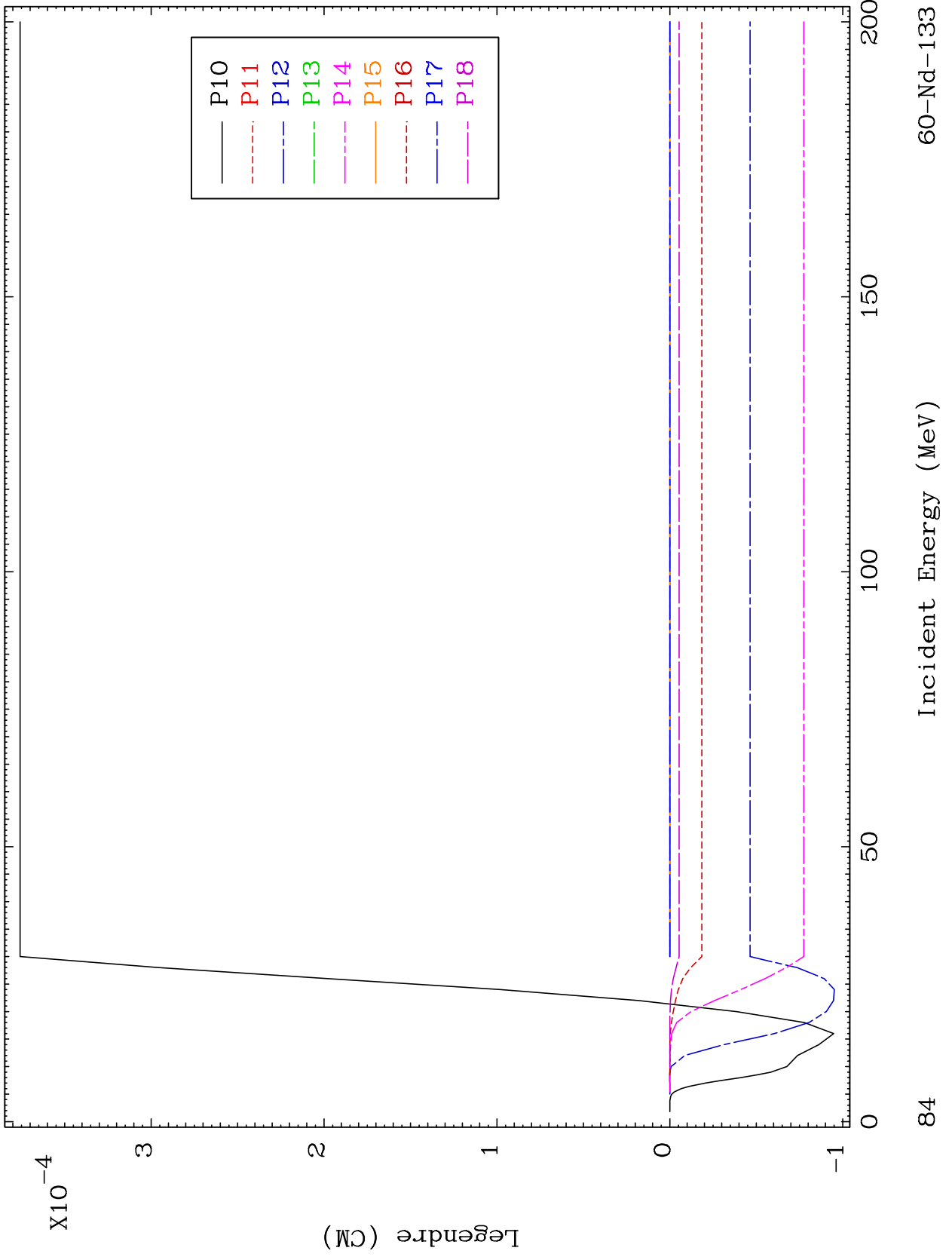
60-Nd-133



MAT 5998

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

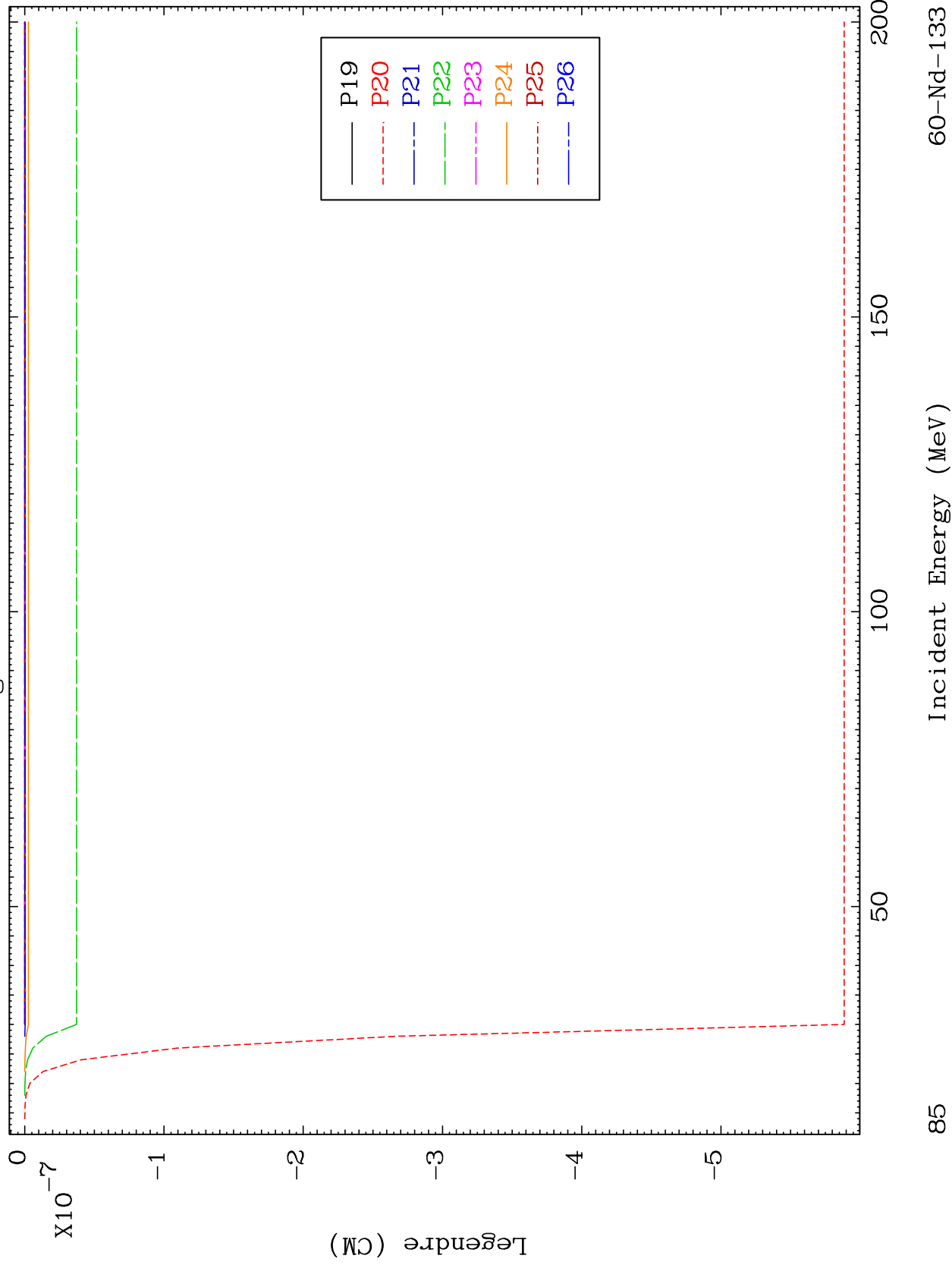
60-Nd-133



MAT 5998

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

60-Nd-133



85

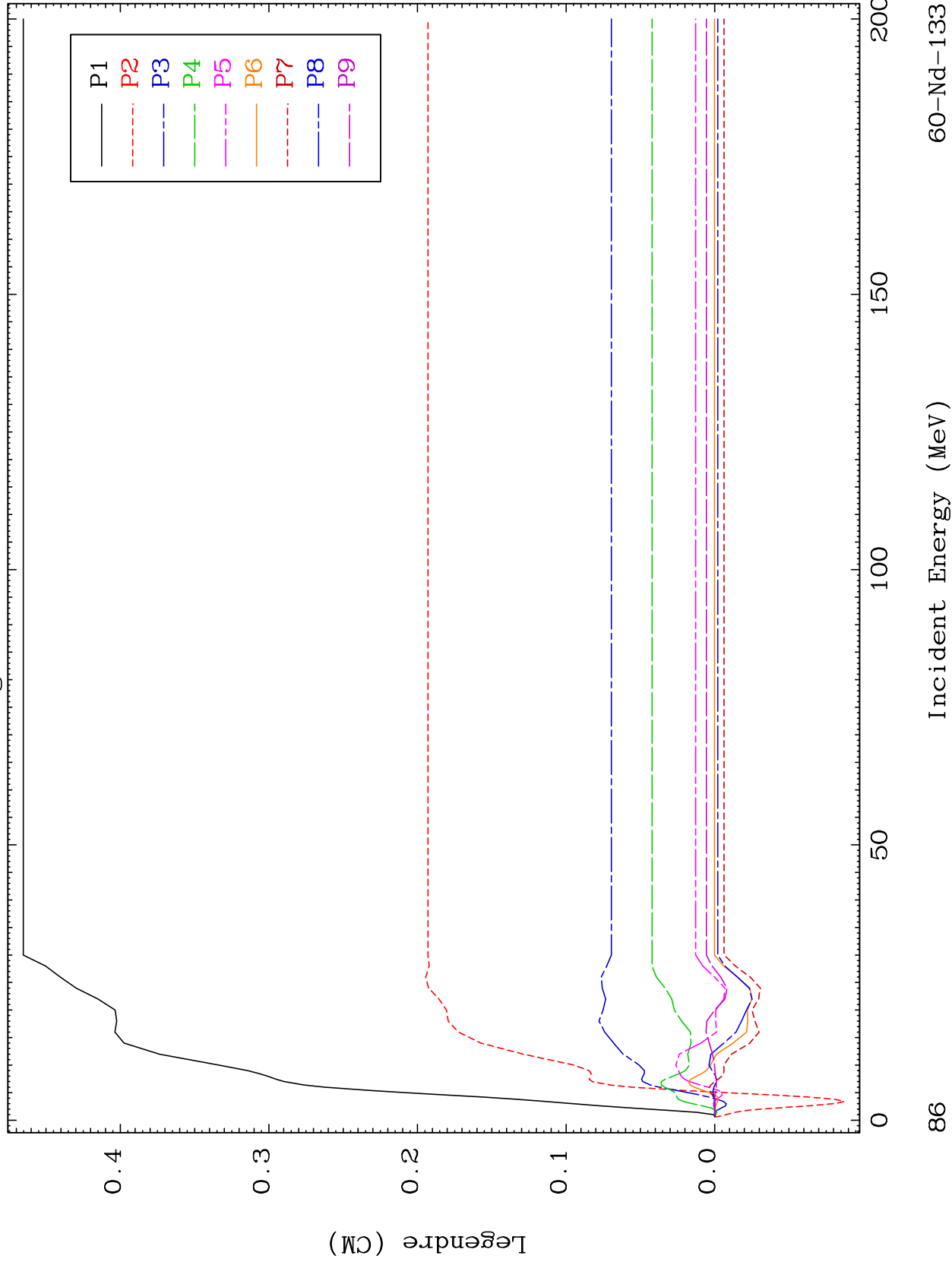
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

60-Nd-133



86

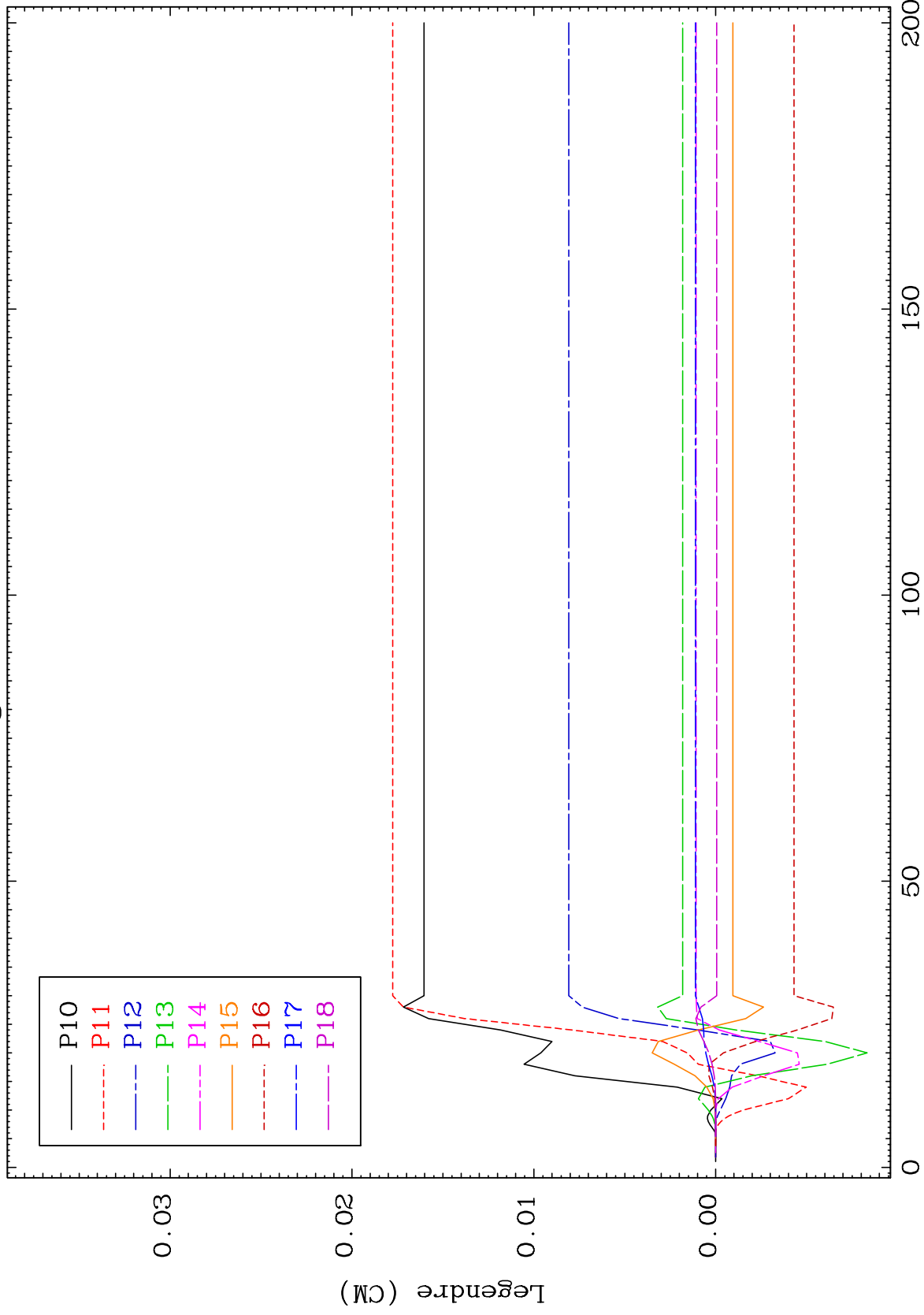
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

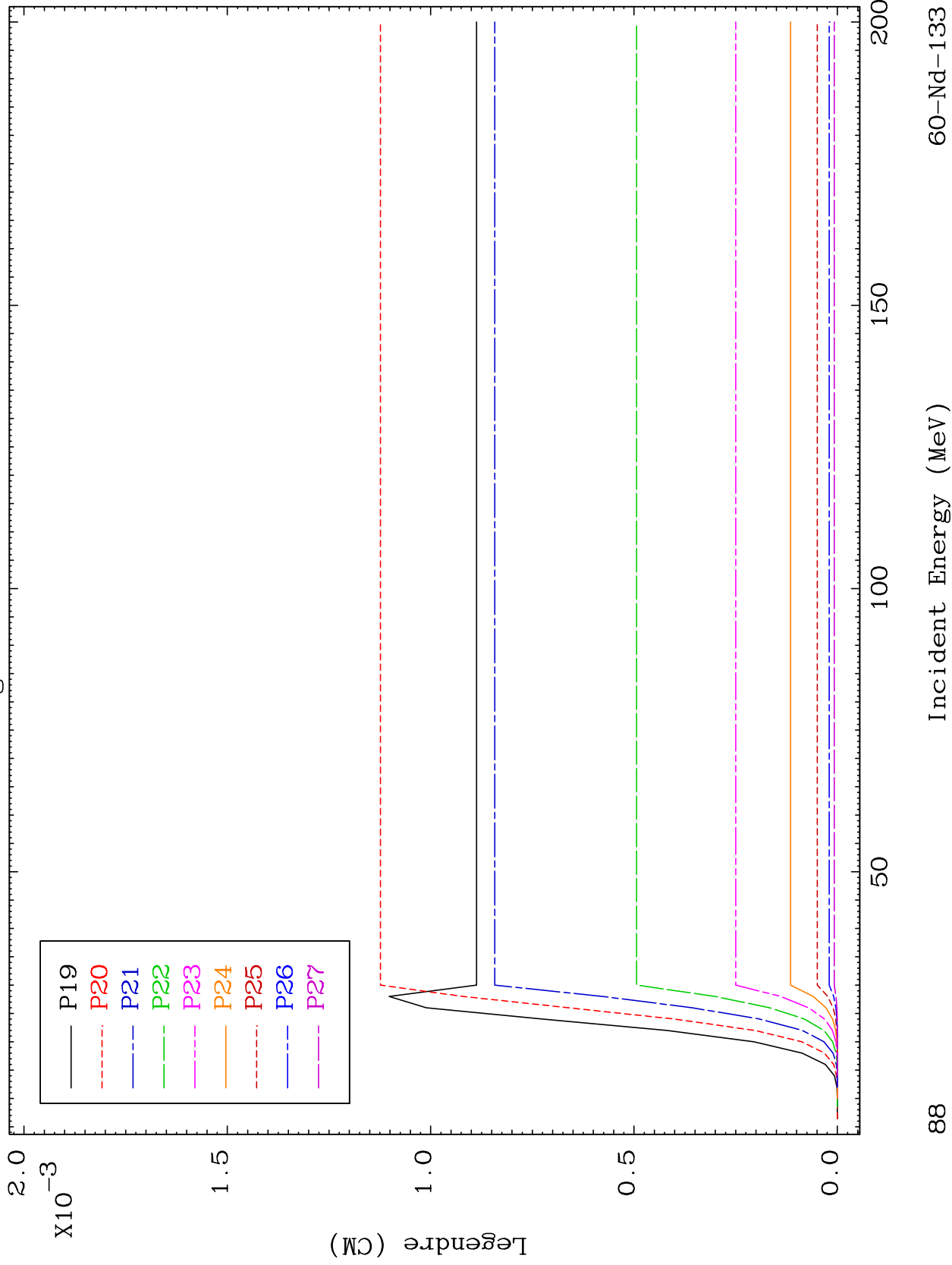
60-Nd-133



87

Incident Energy (MeV)

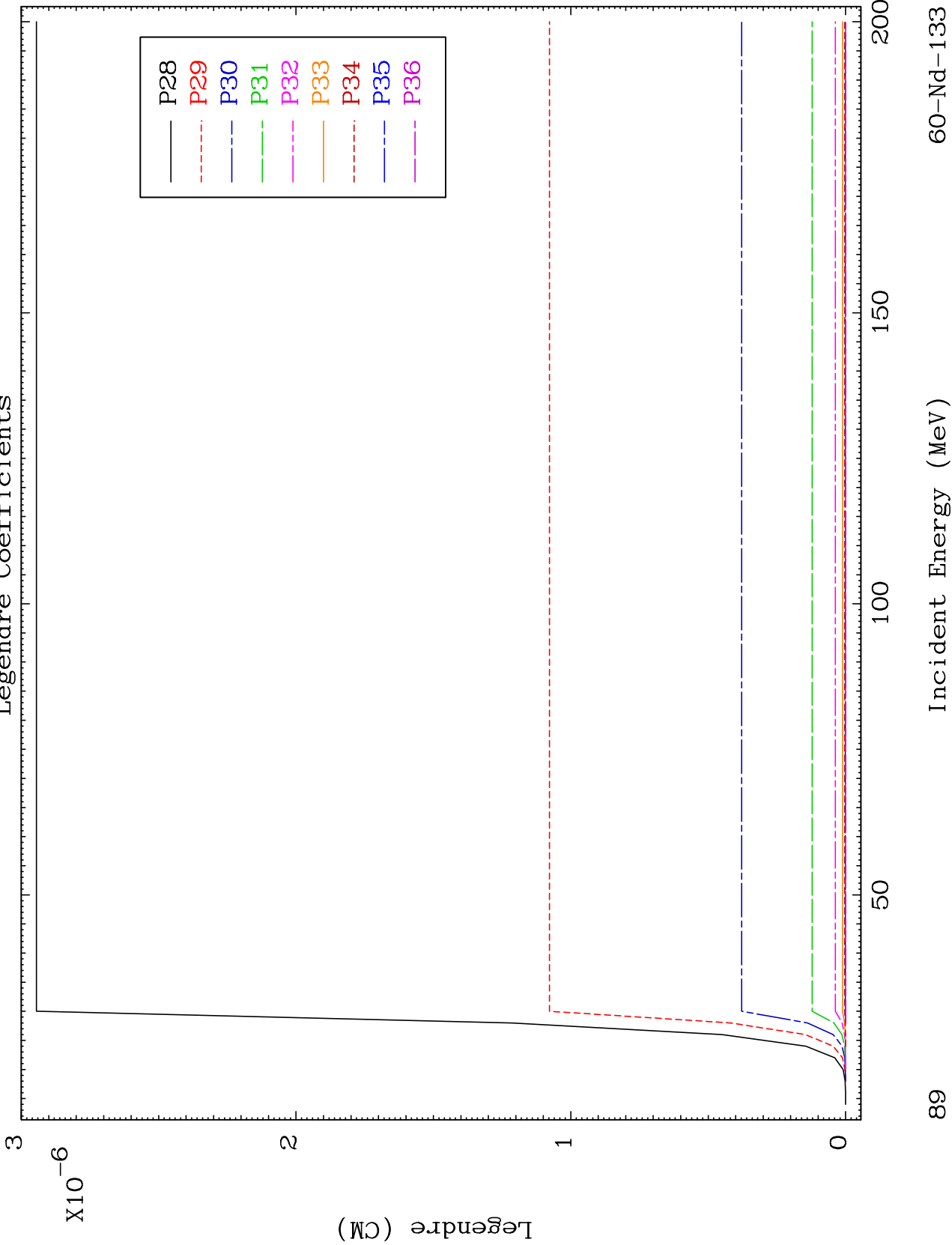
60-Nd-133



MAT 5998

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

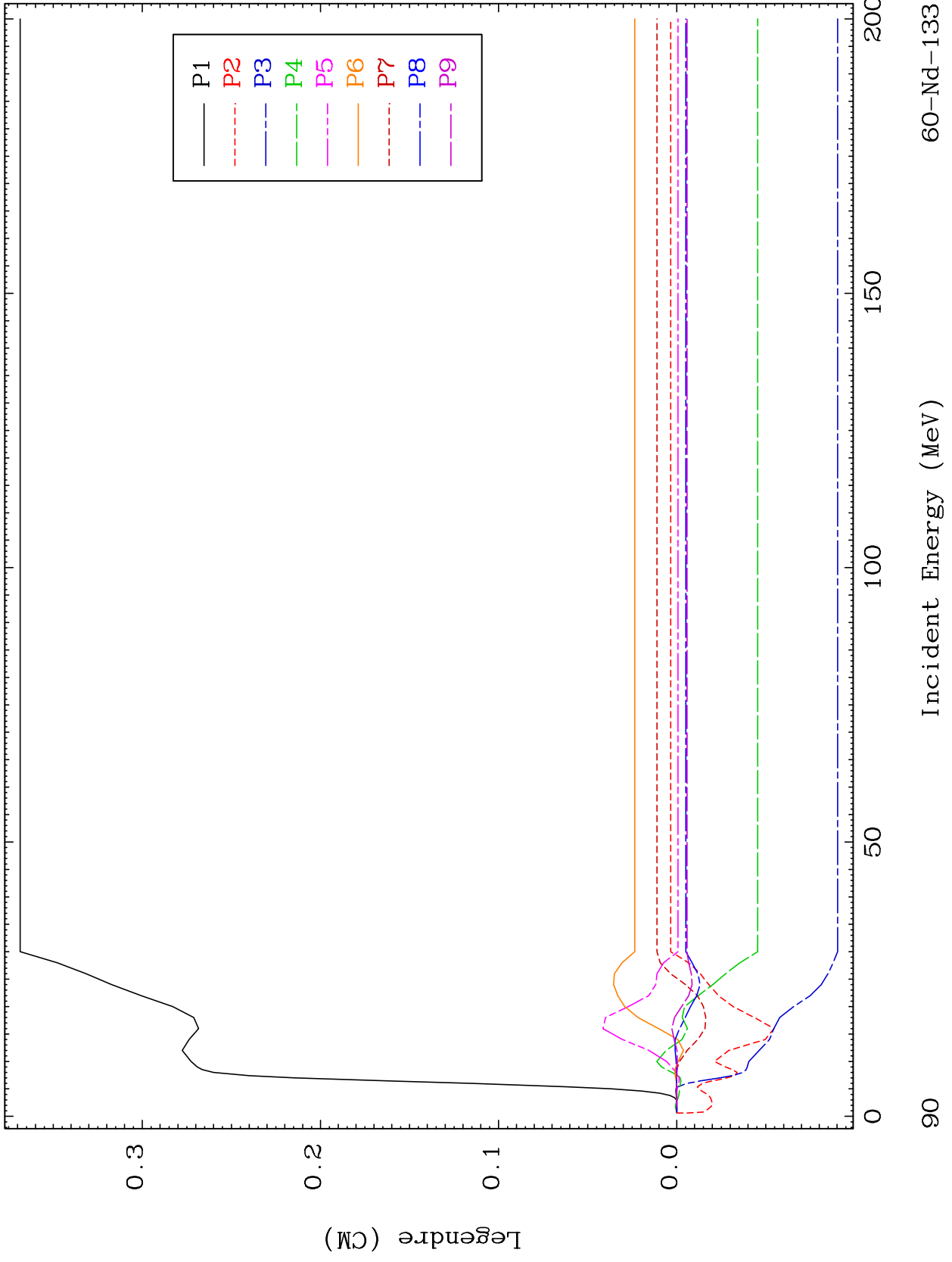
60-Nd-133



MAT 5998

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

60-Nd-133

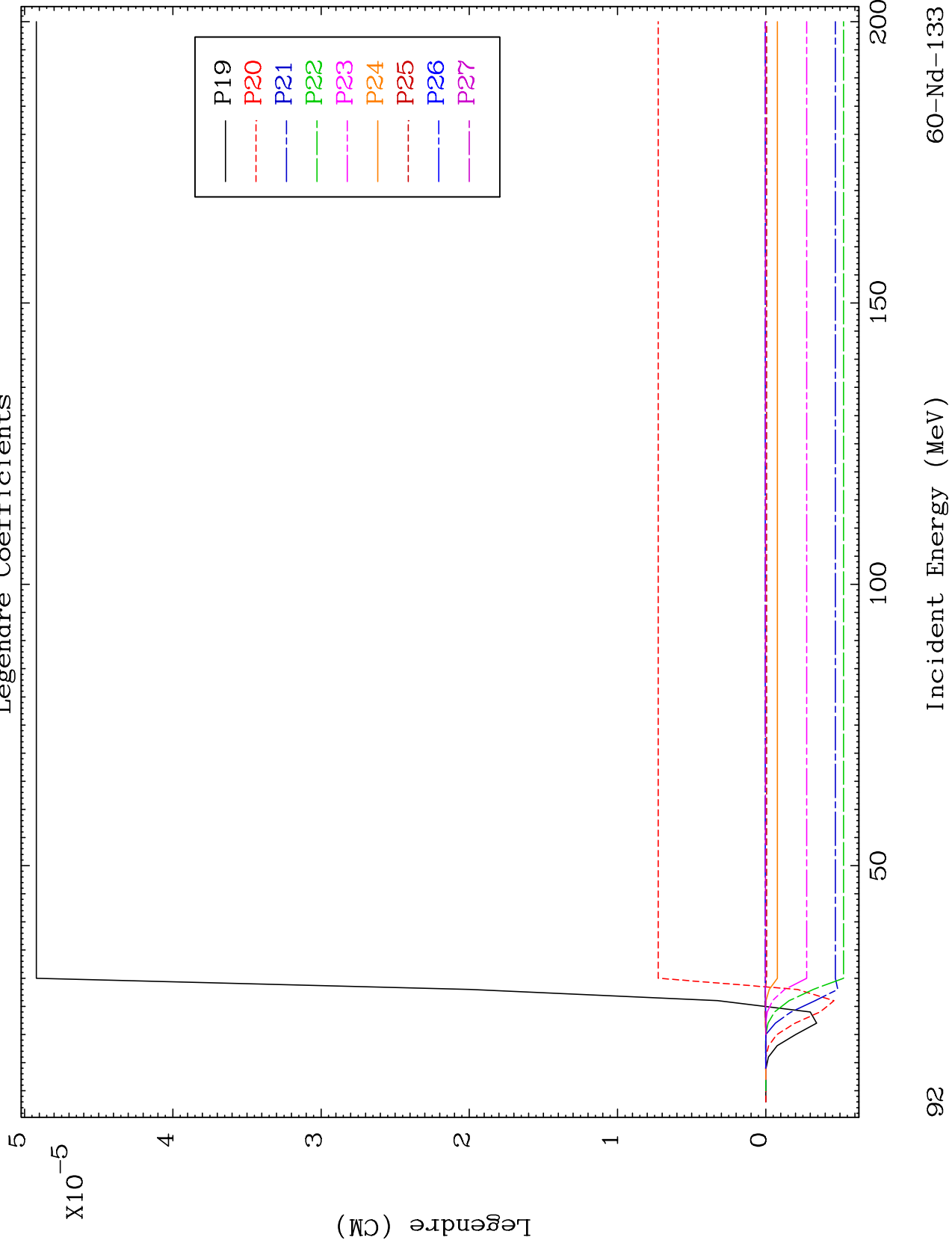


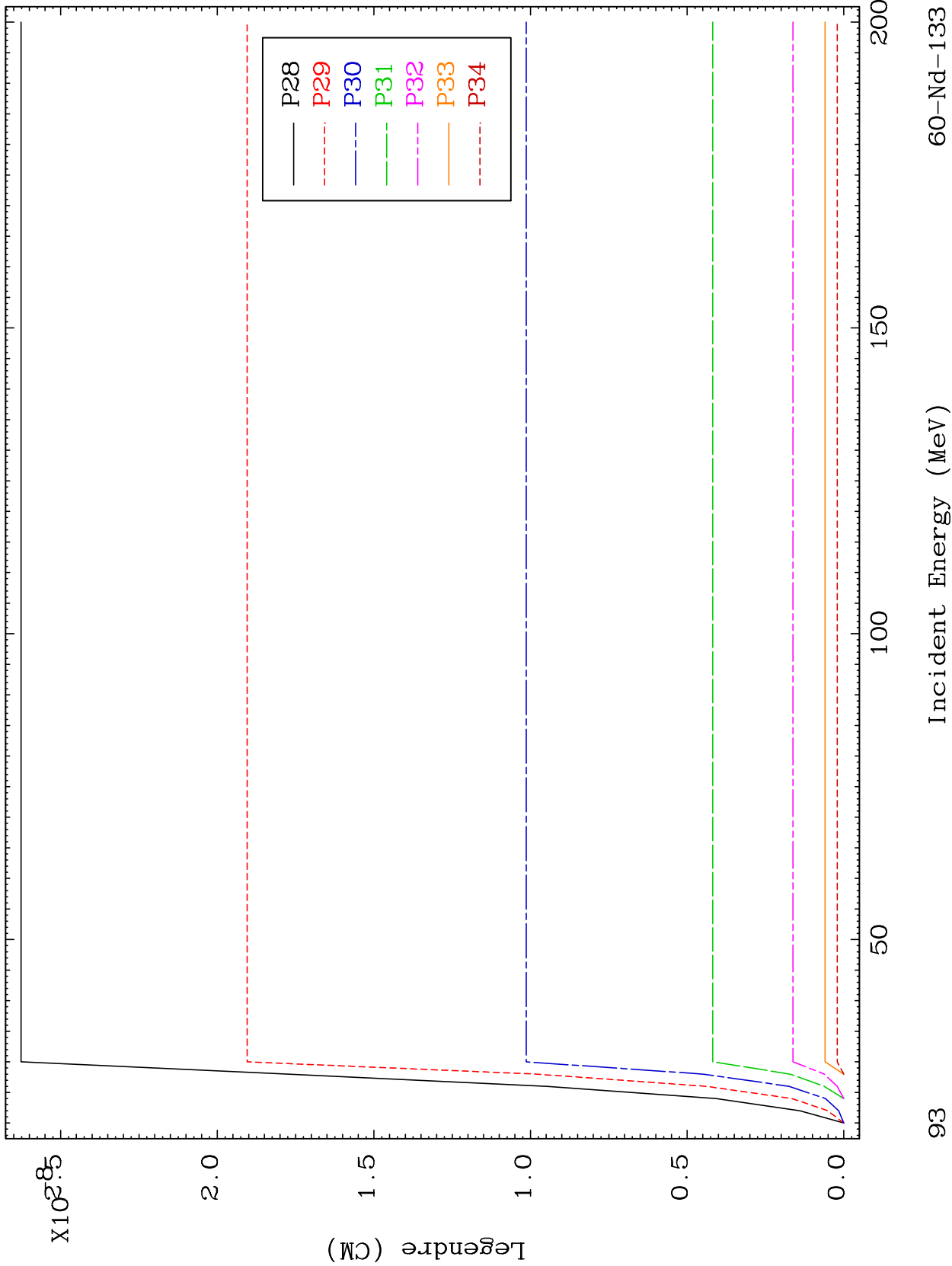
60-Nd-133

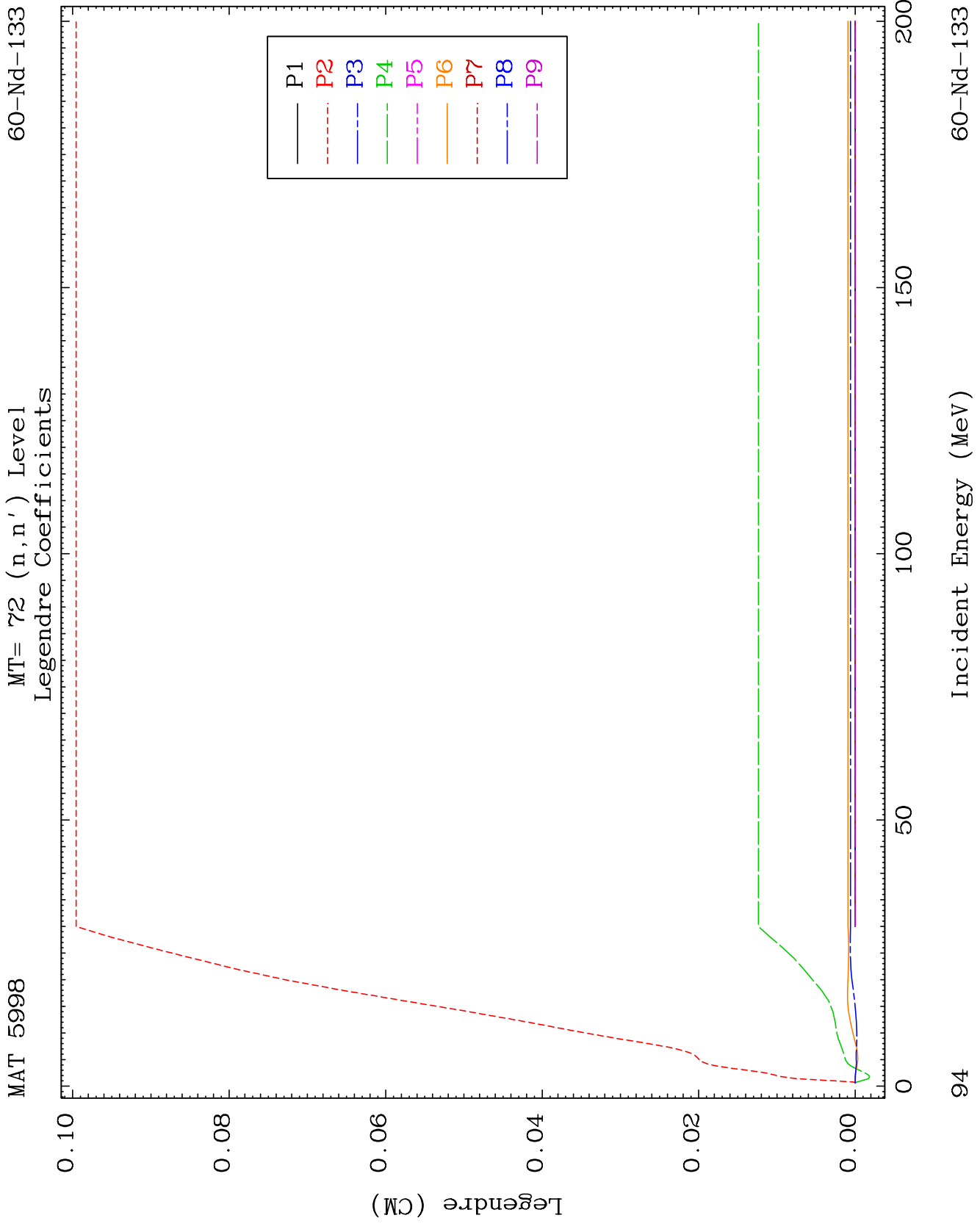
MAT 5998

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

60-Nd-133



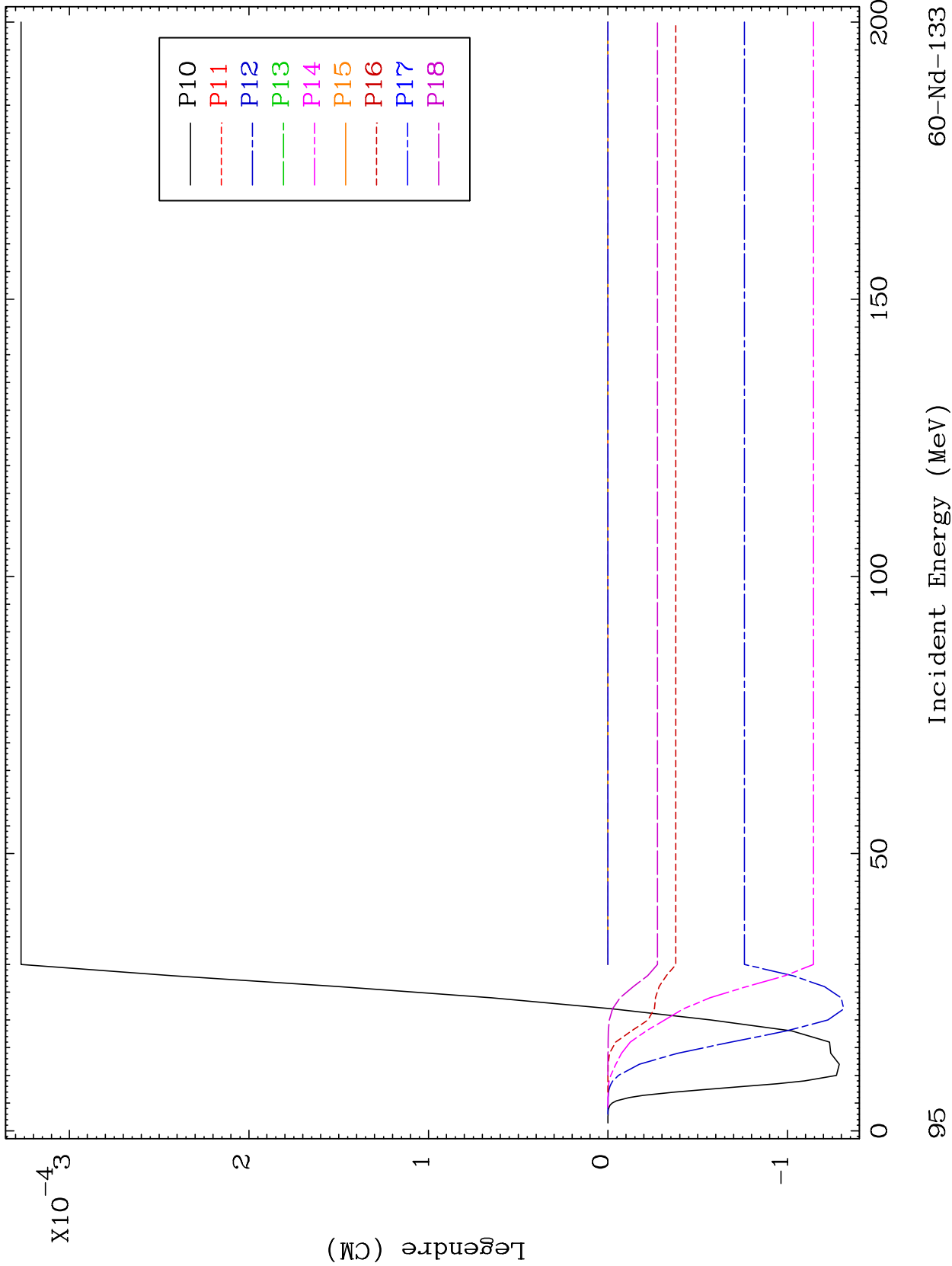


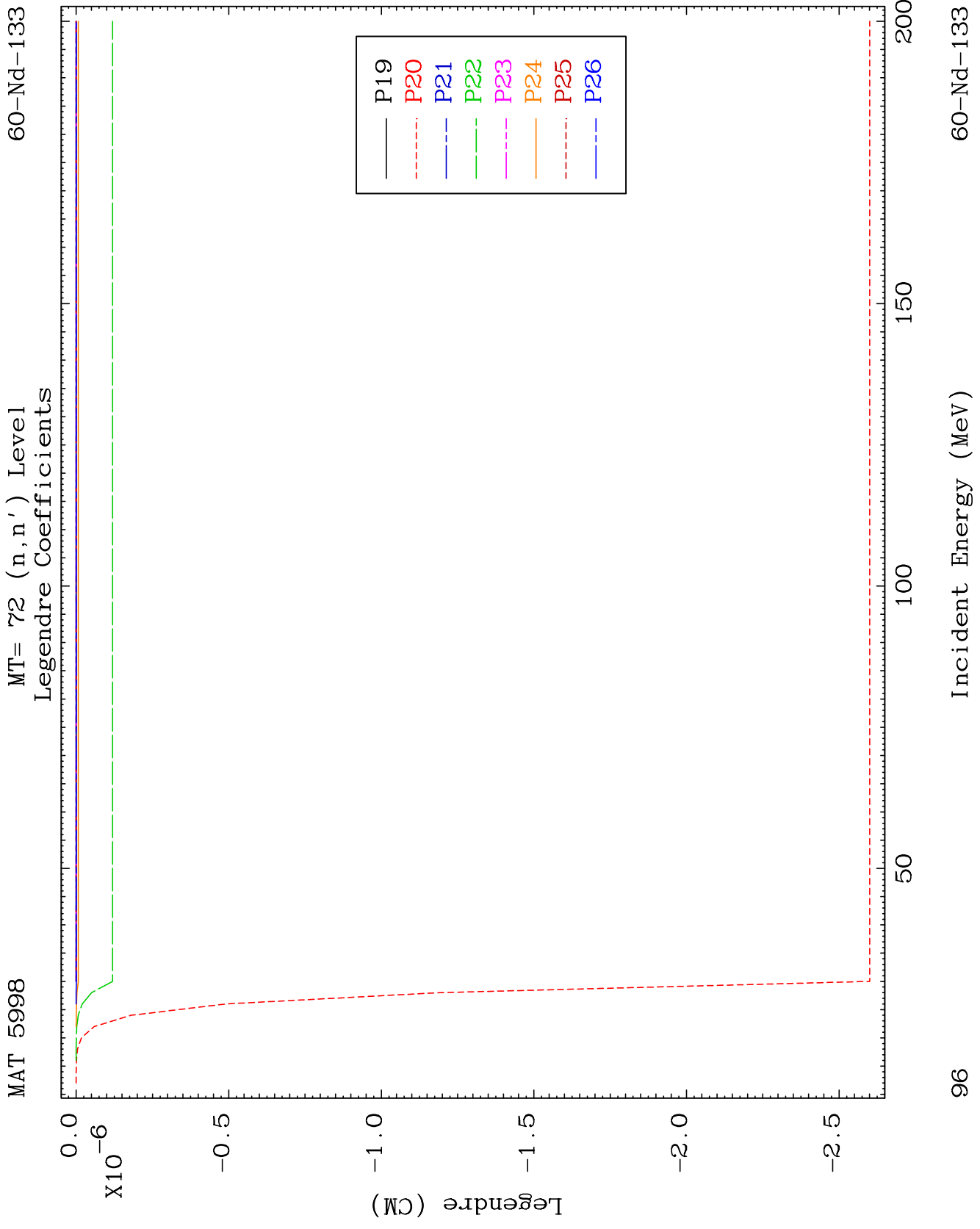


MAT 5998

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

60-Nd-133

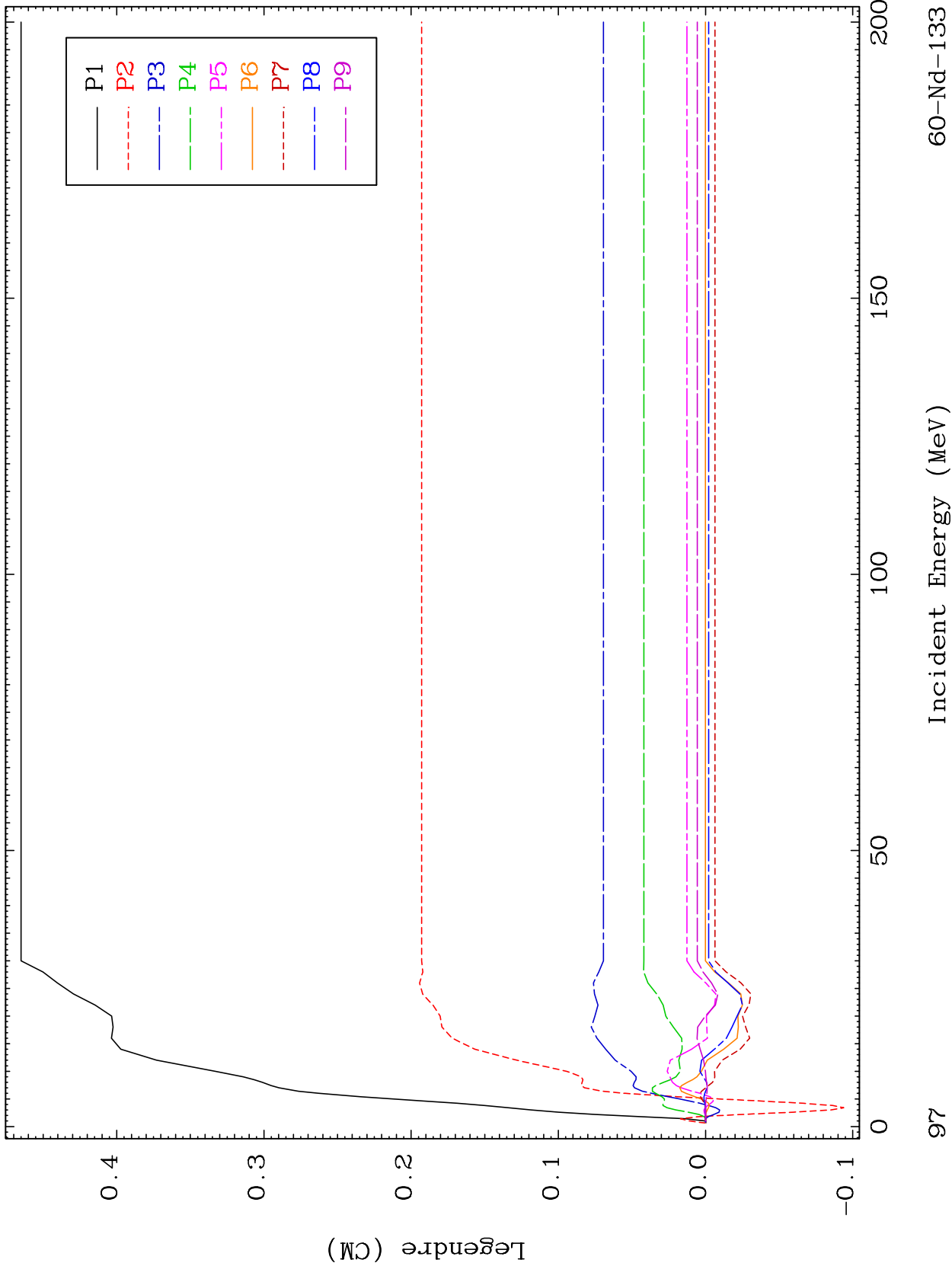




MAT 5998

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

60-Nd-133



60-Nd-133

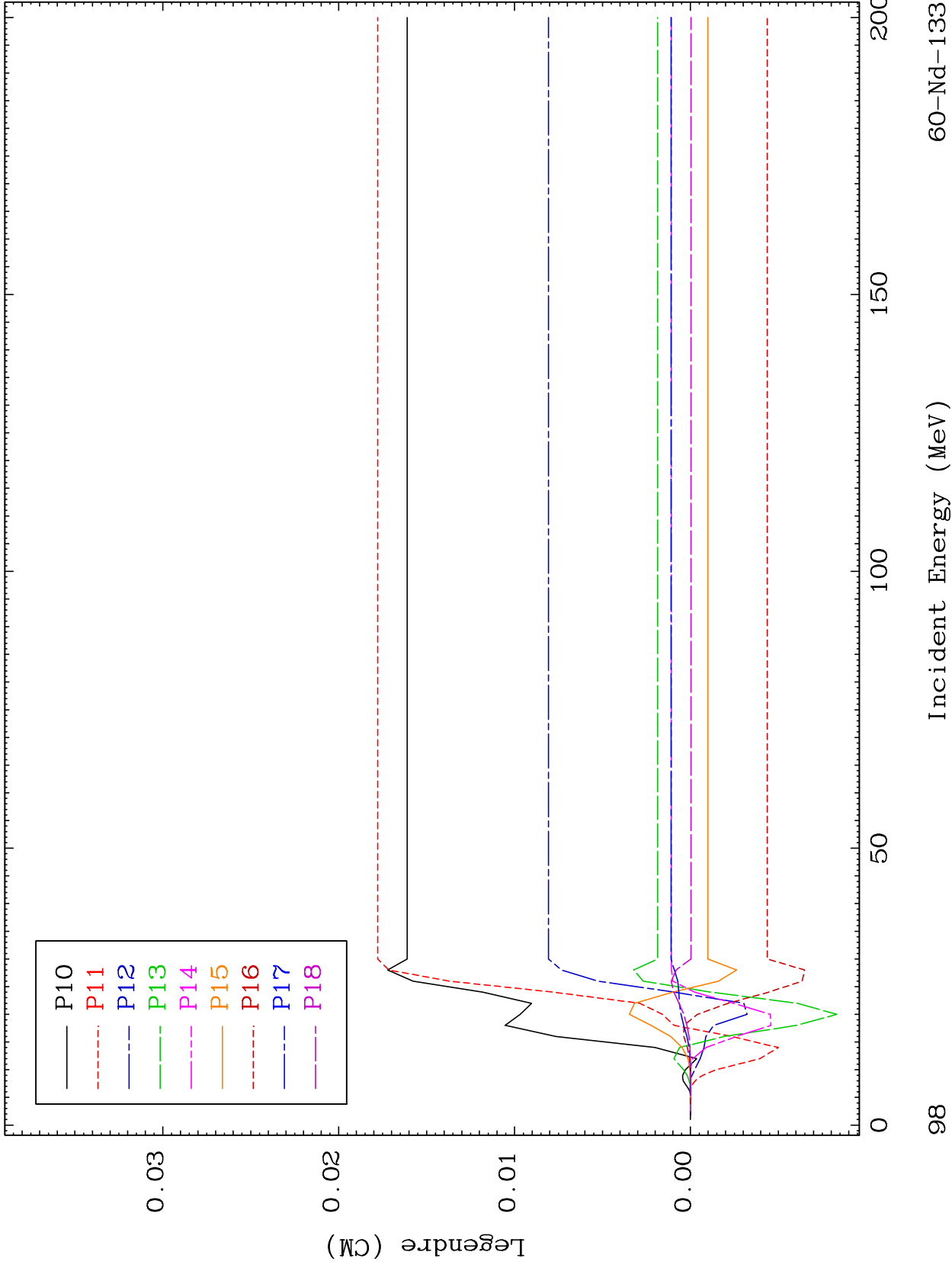
Incident Energy (MeV)

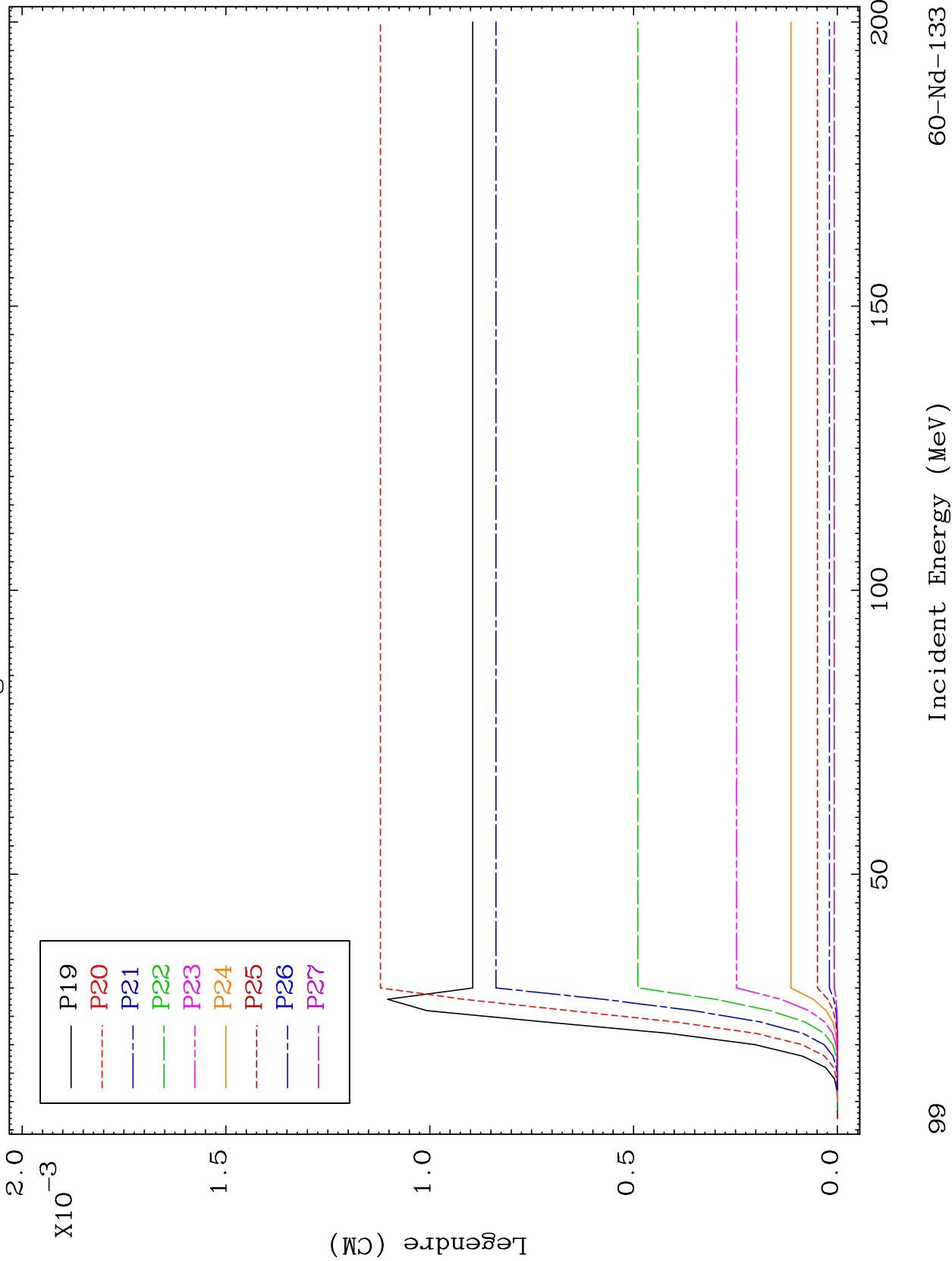
97

MAT 5998

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

60-Nd-133

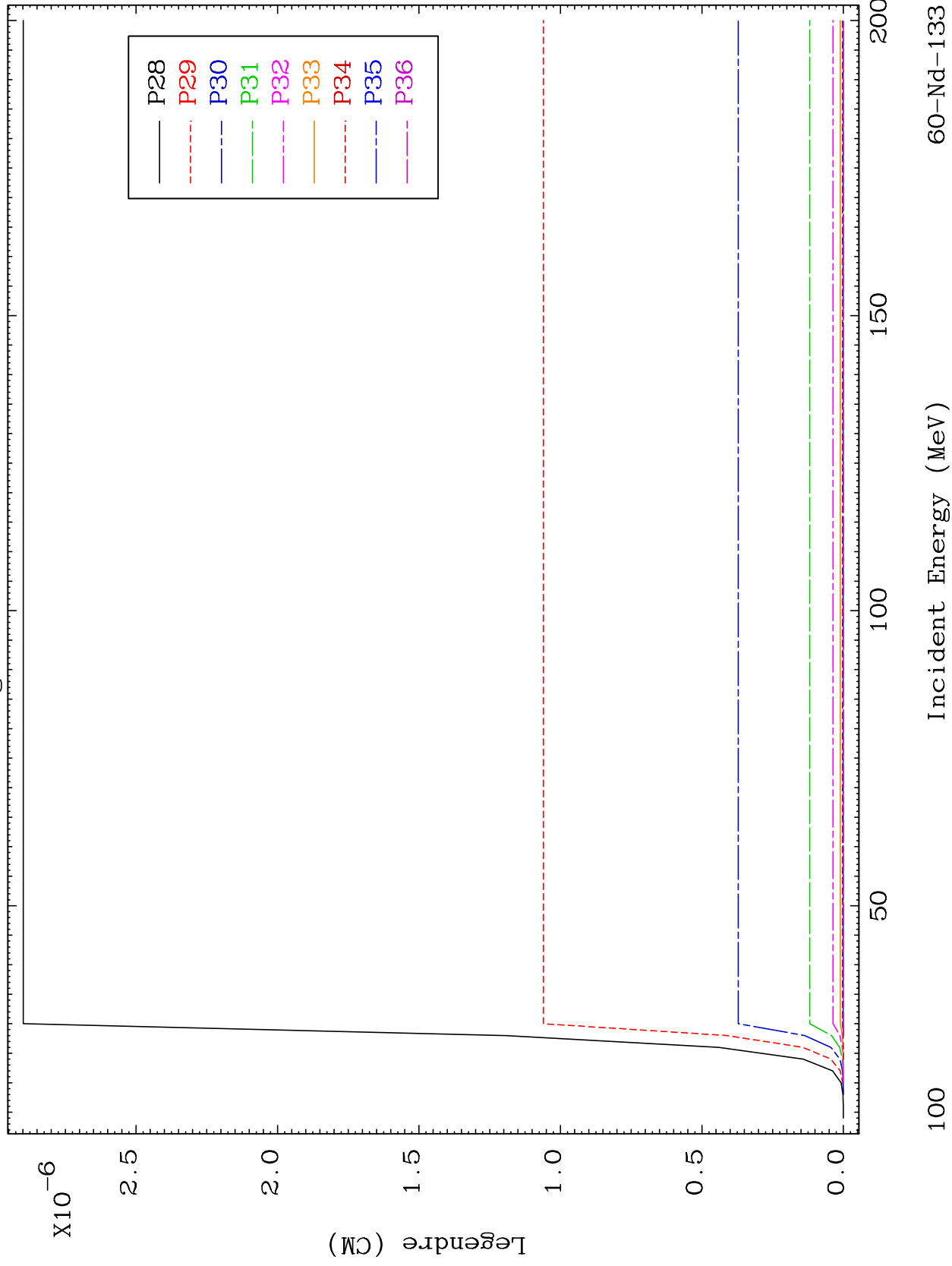




MAT 5998

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

60-Nd-133

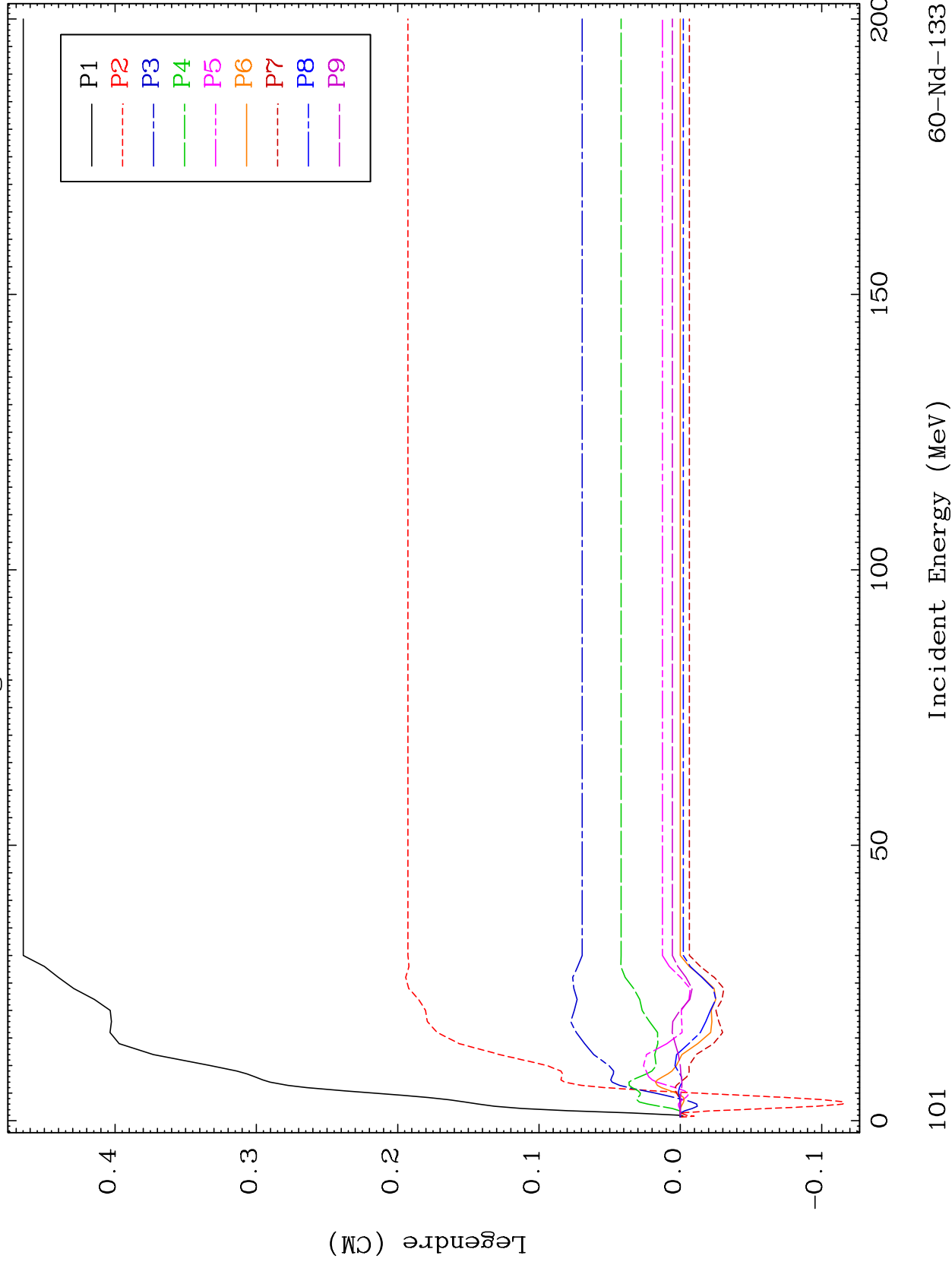


60-Nd-133

MAT 5998

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

60-Nd-133



60-Nd-133

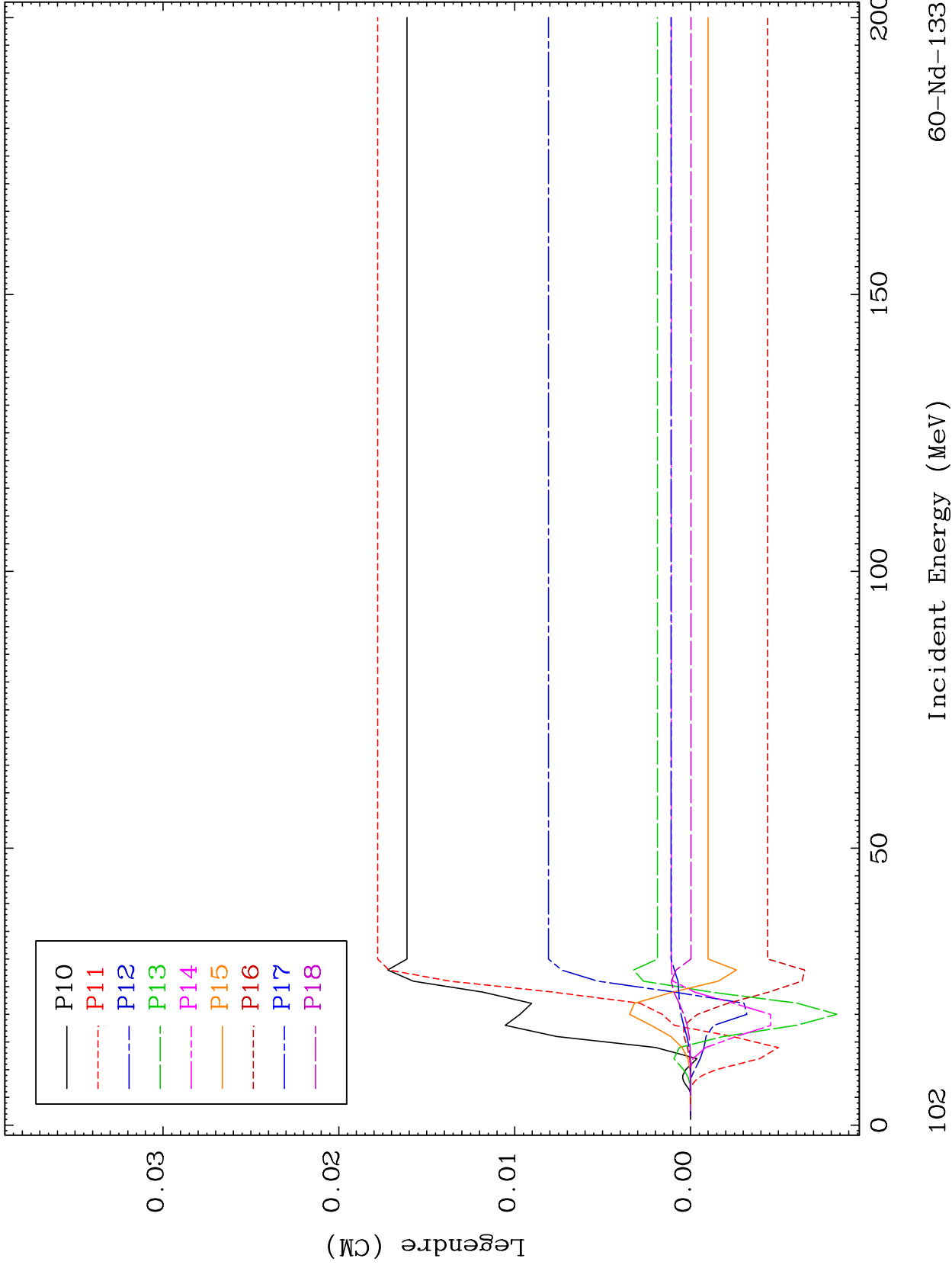
Incident Energy (MeV)

101

MAT 5998

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

60-Nd-133



60-Nd-133

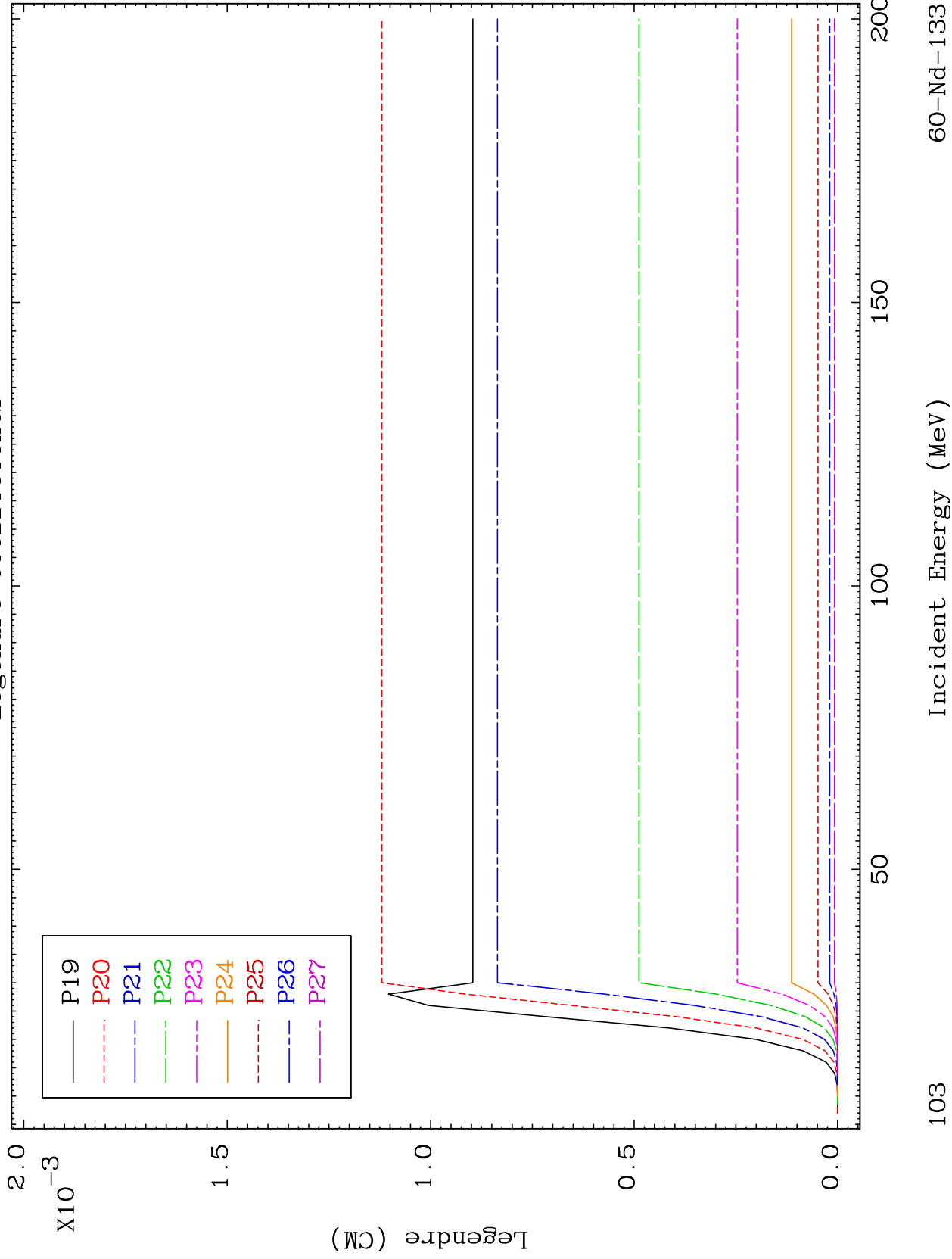
Incident Energy (MeV)

102

MAT 5998

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

60-Nd-133



103

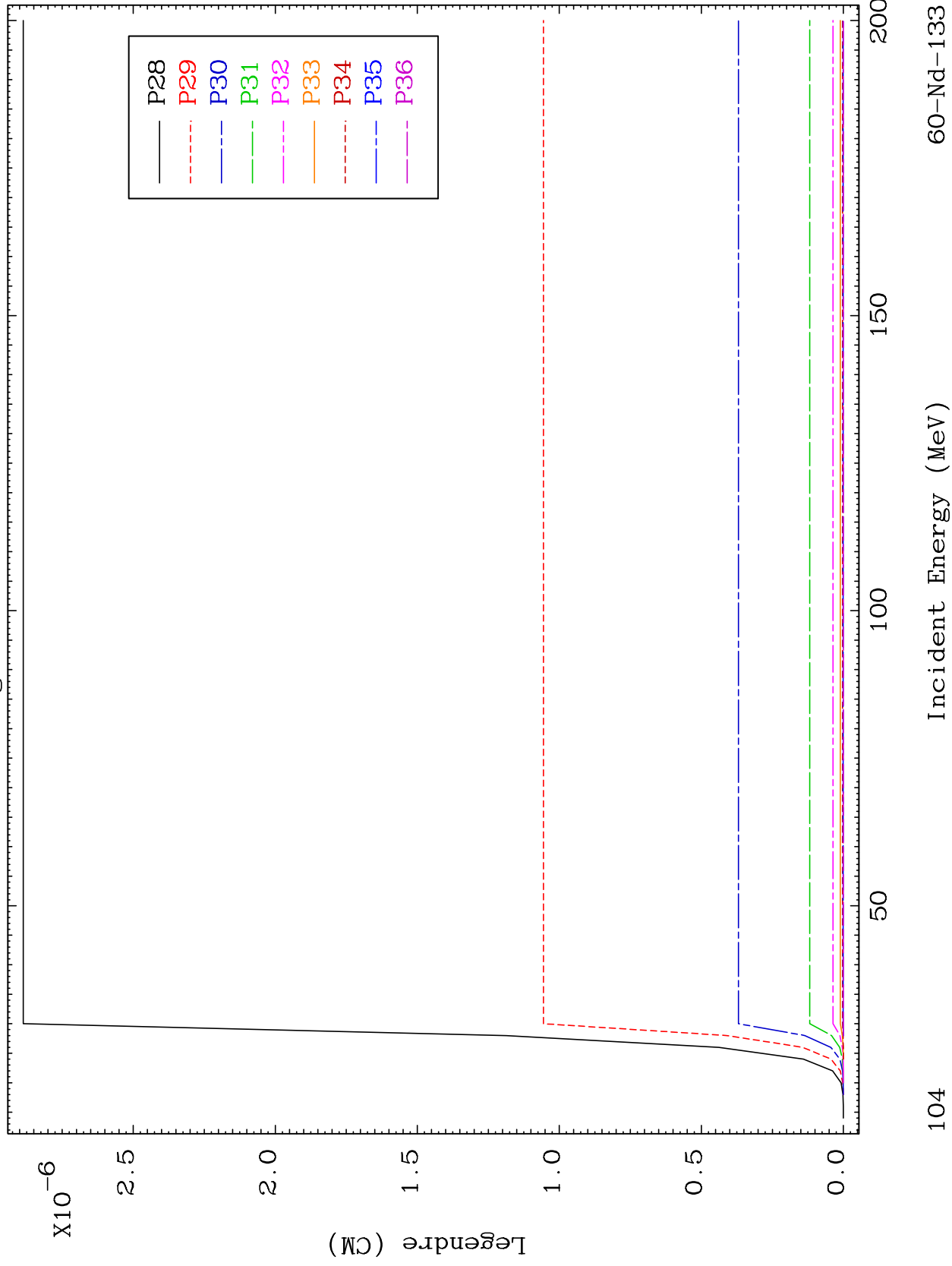
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

60-Nd-133

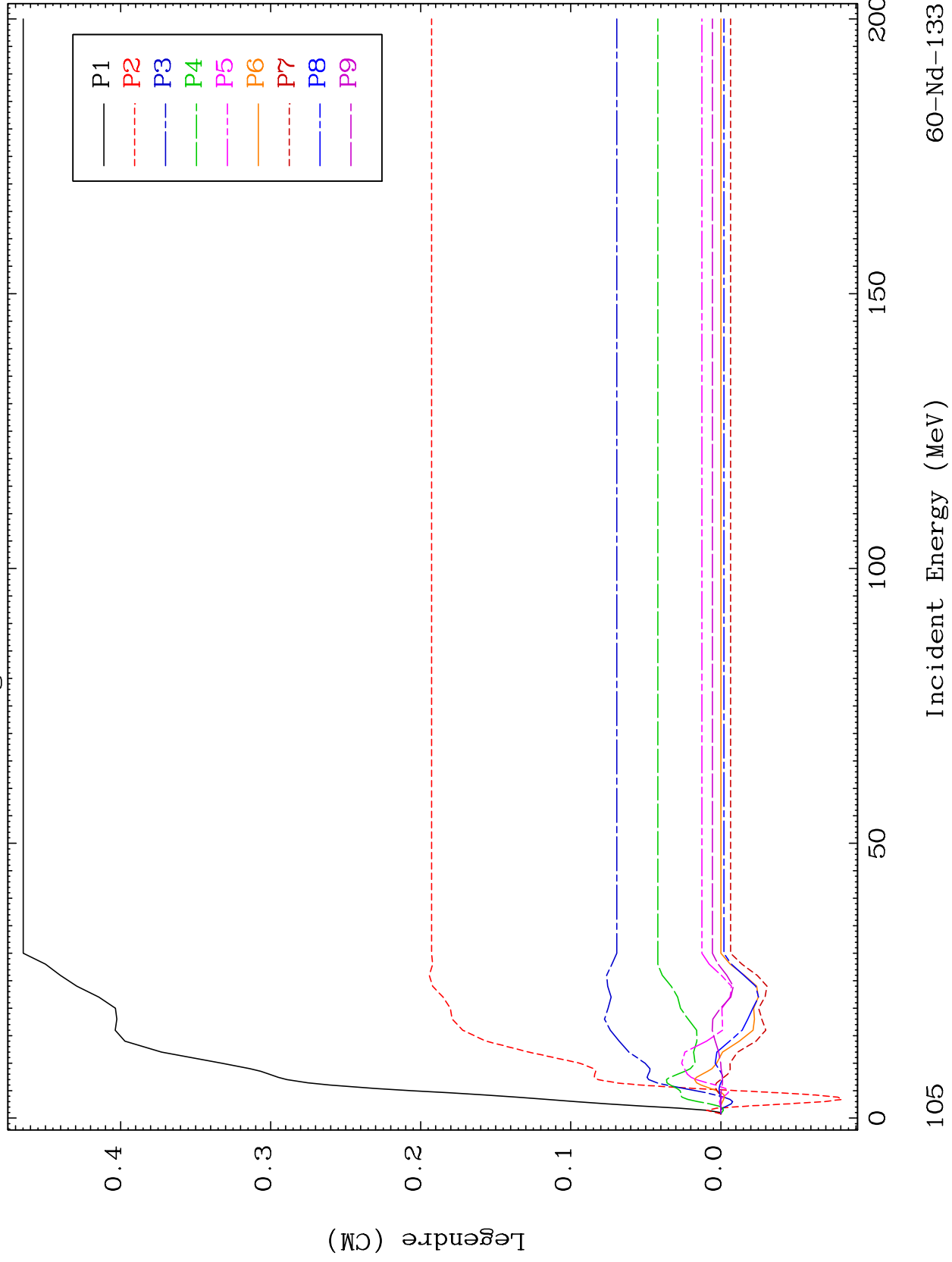


104

MAT 5998

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

60-Nd-133



60-Nd-133

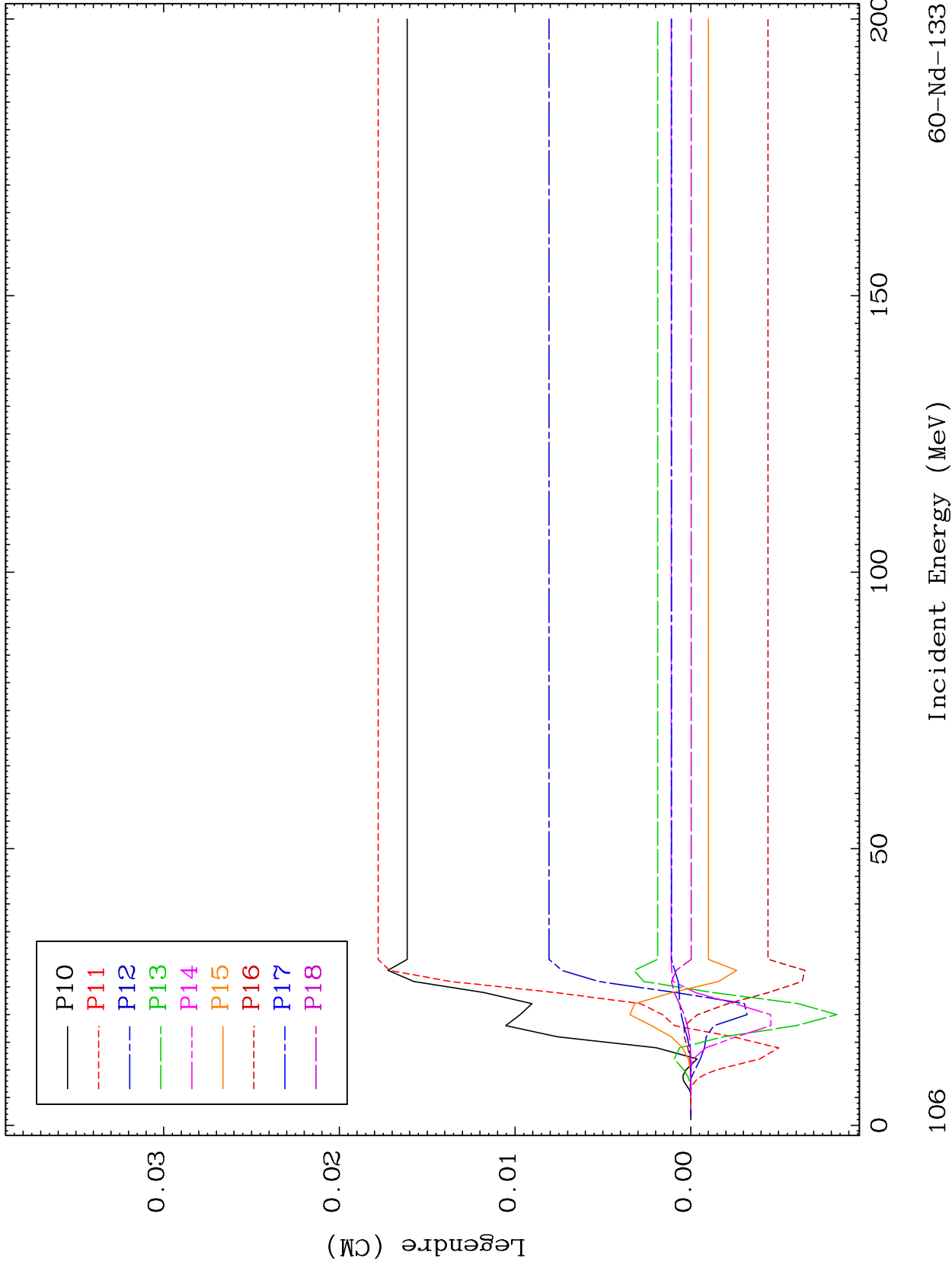
Incident Energy (MeV)

0

MAT 5998

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

60-Nd-133



60-Nd-133

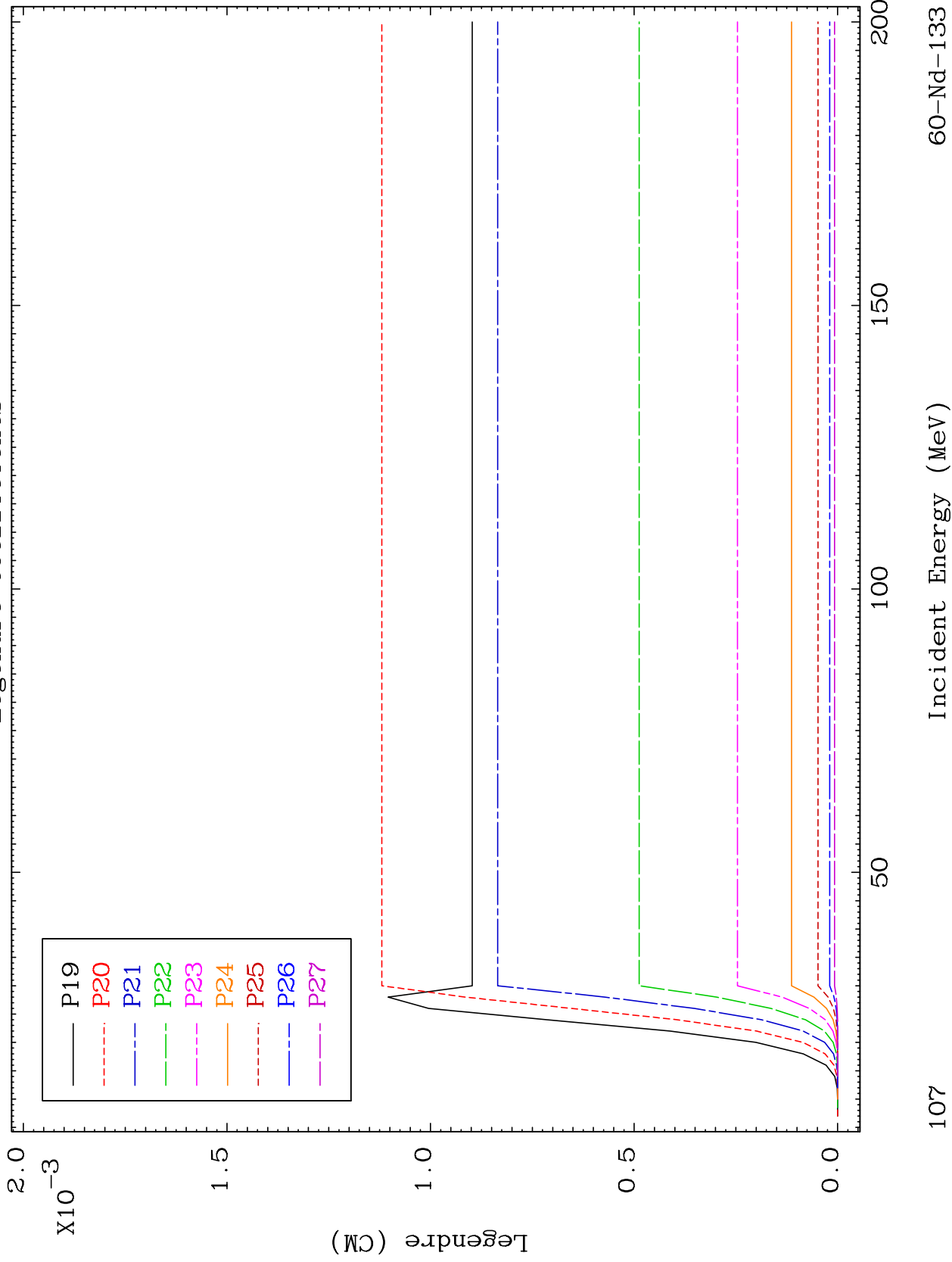
Incident Energy (MeV)

106

MAT 5998

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

60-Nd-133



107

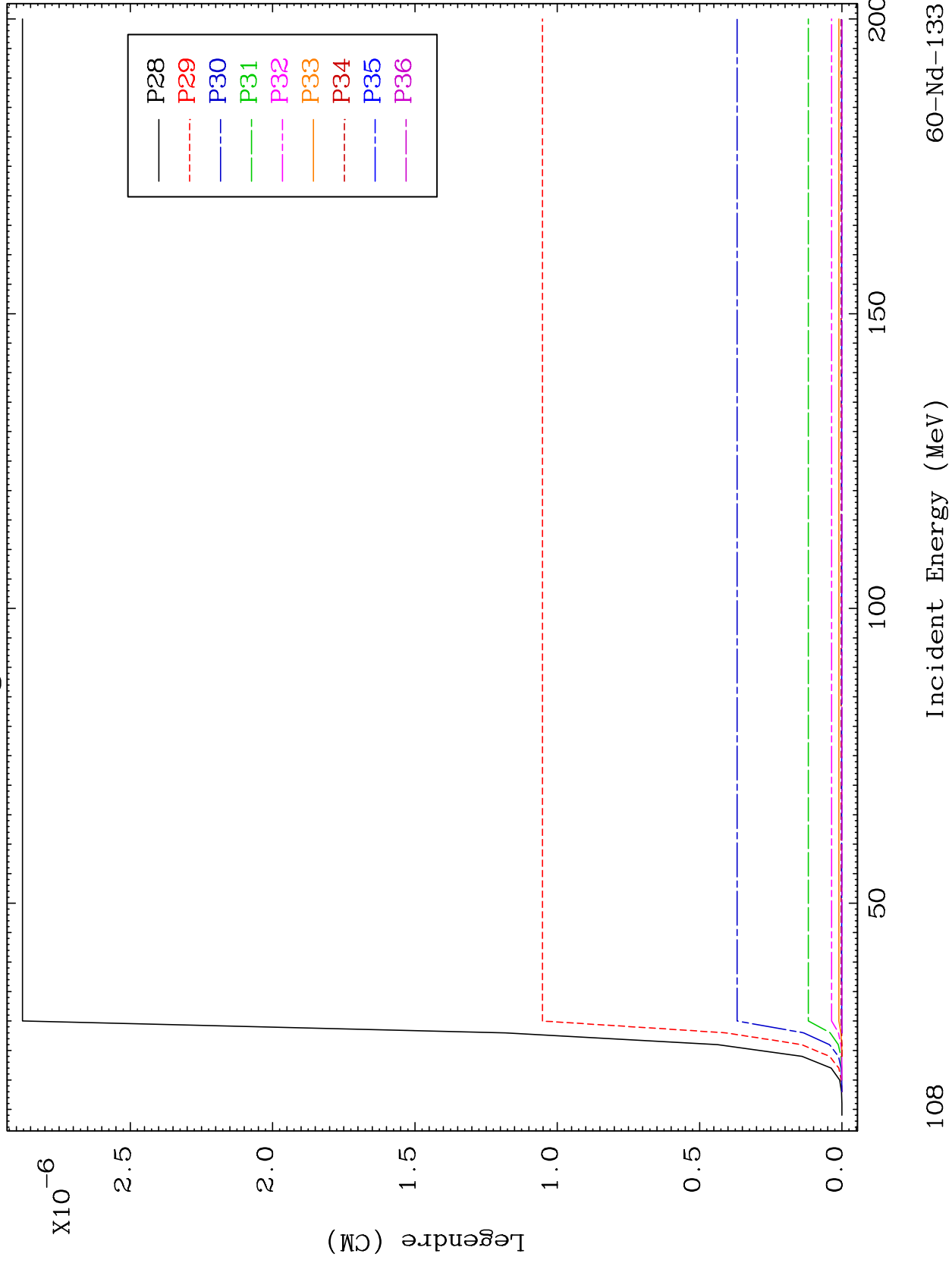
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

60-Nd-133

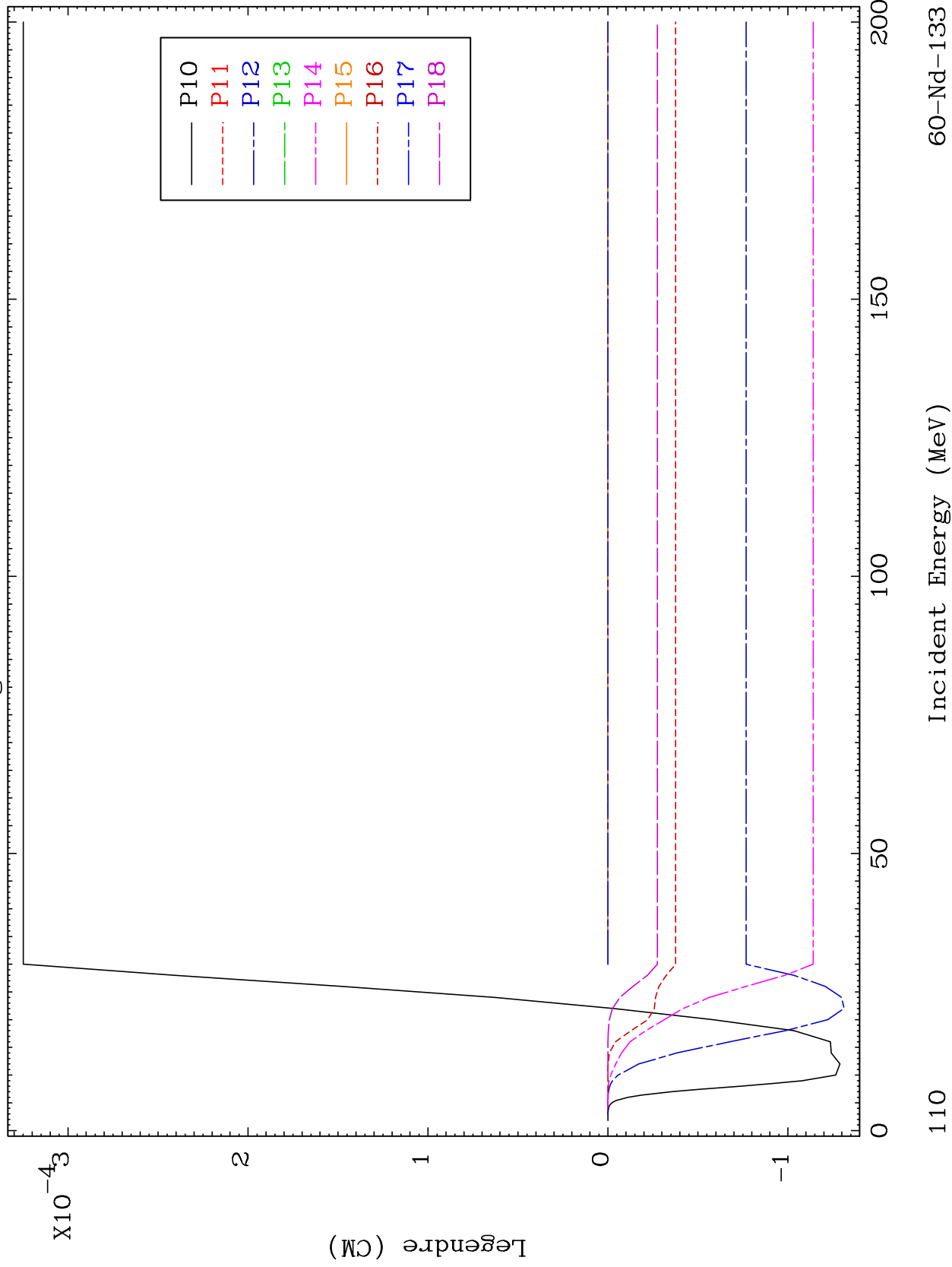


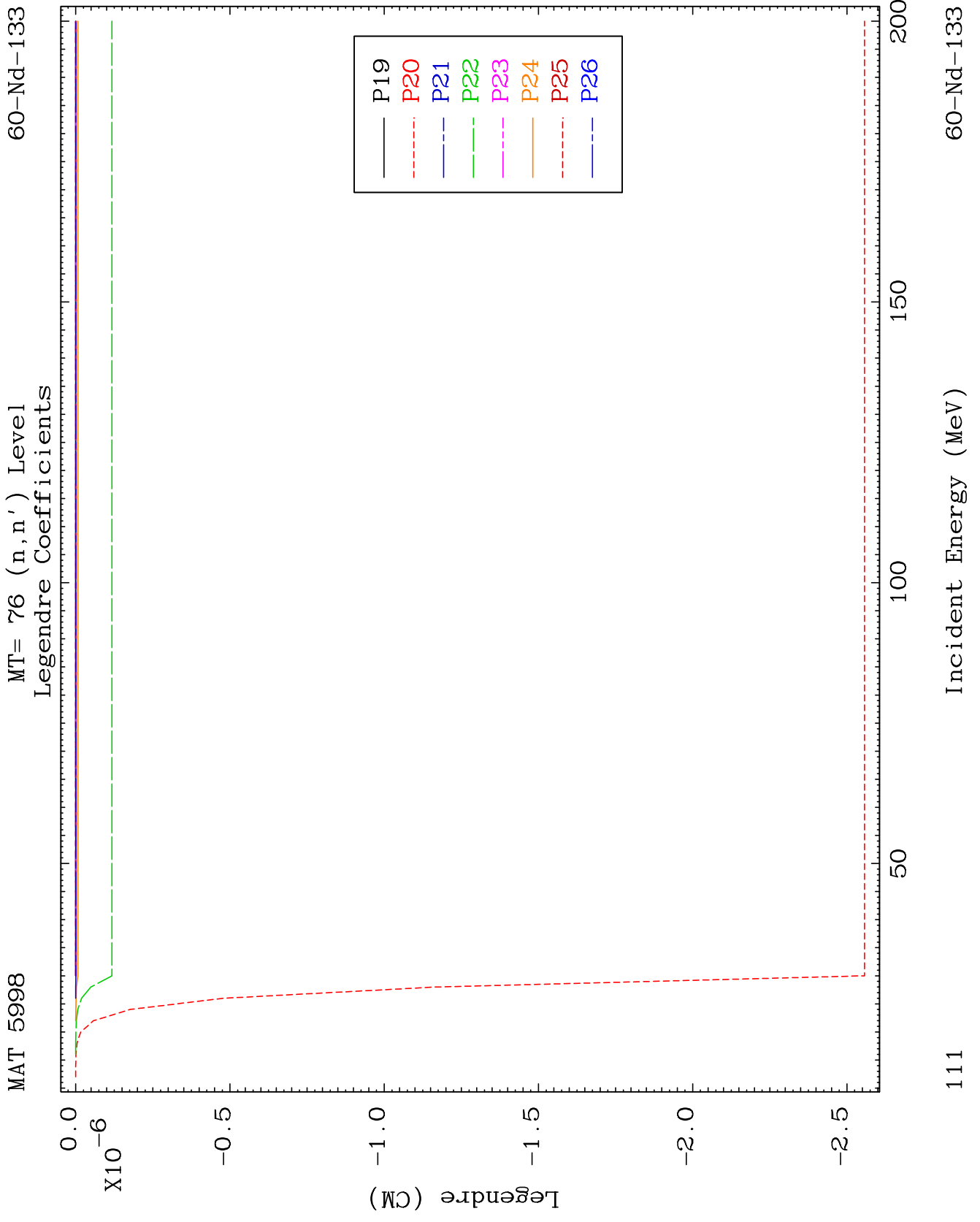
108

MAT 5998

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

60-Nd-133

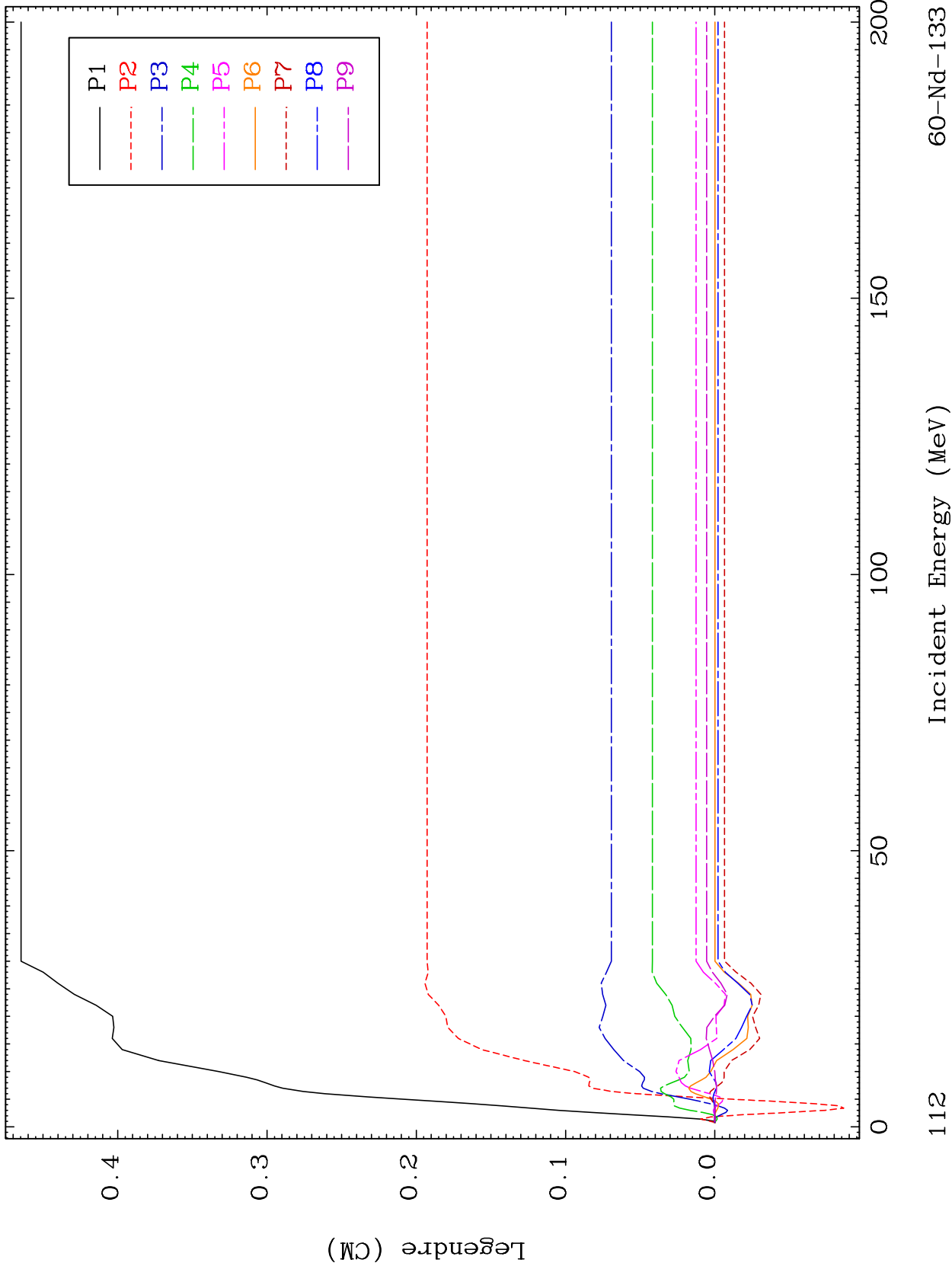




MAT 5998

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

60-Nd-133



60-Nd-133

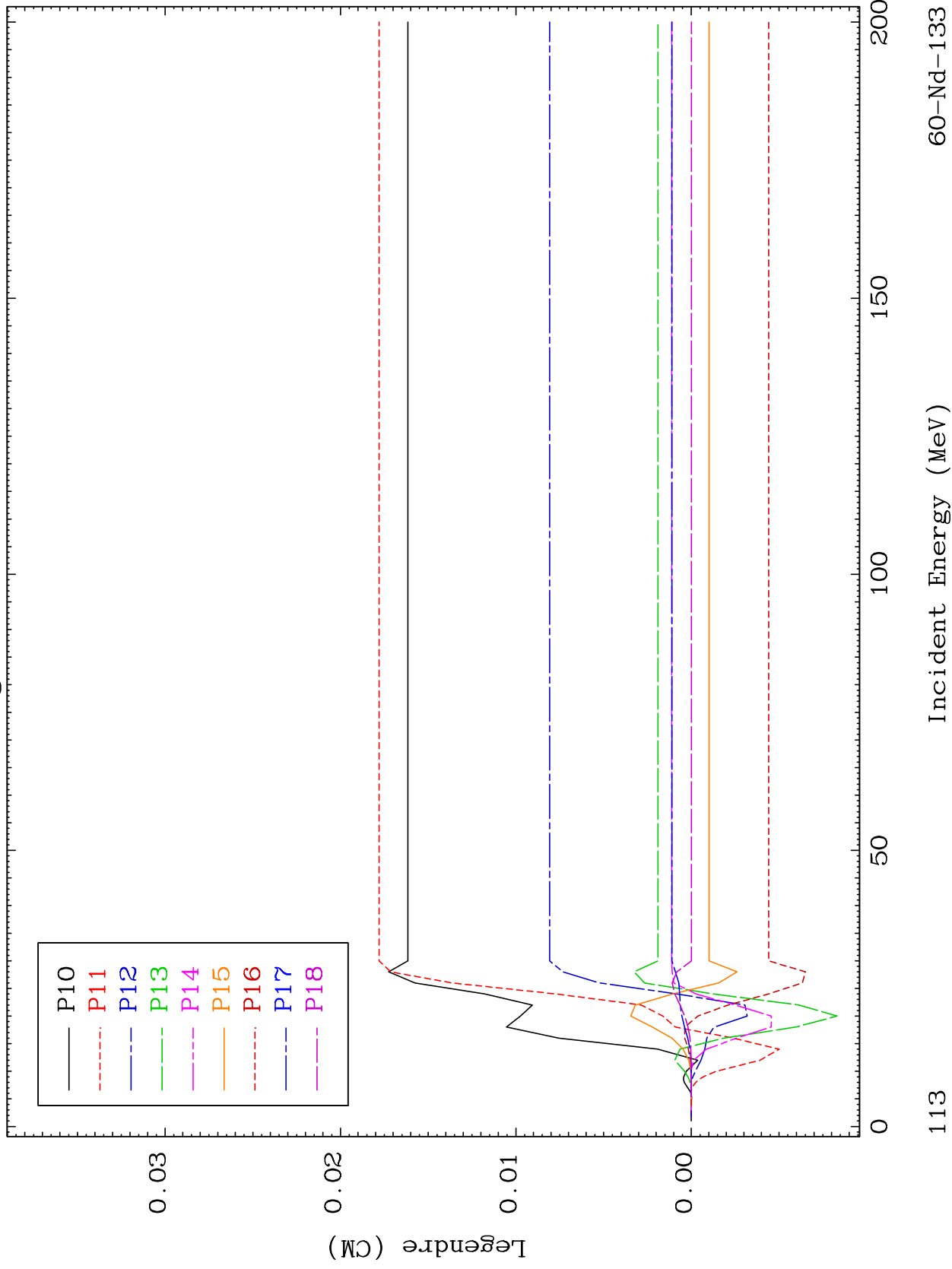
Incident Energy (MeV)

112

MAT 5998

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

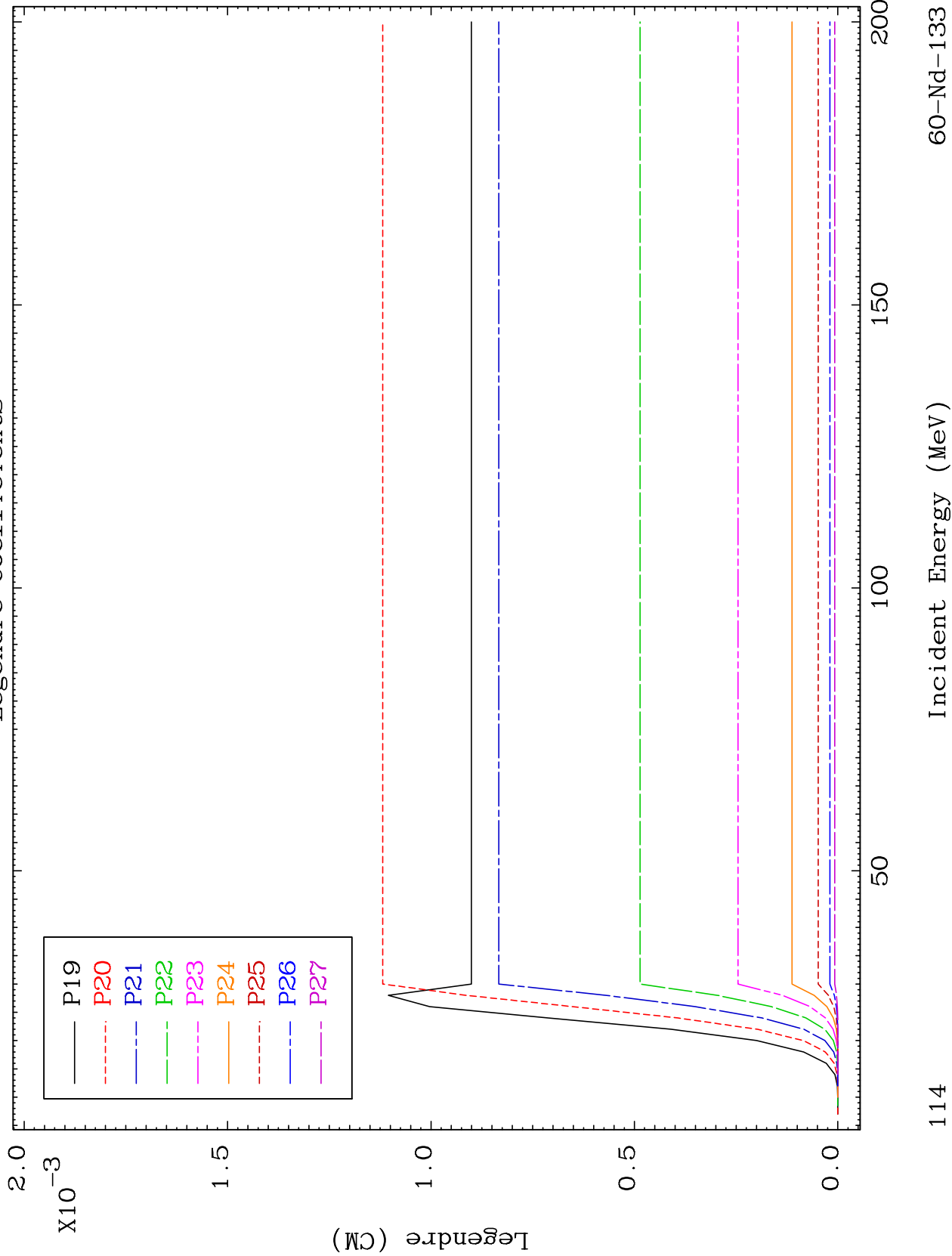
60-Nd-133



60-Nd-133

Incident Energy (MeV)

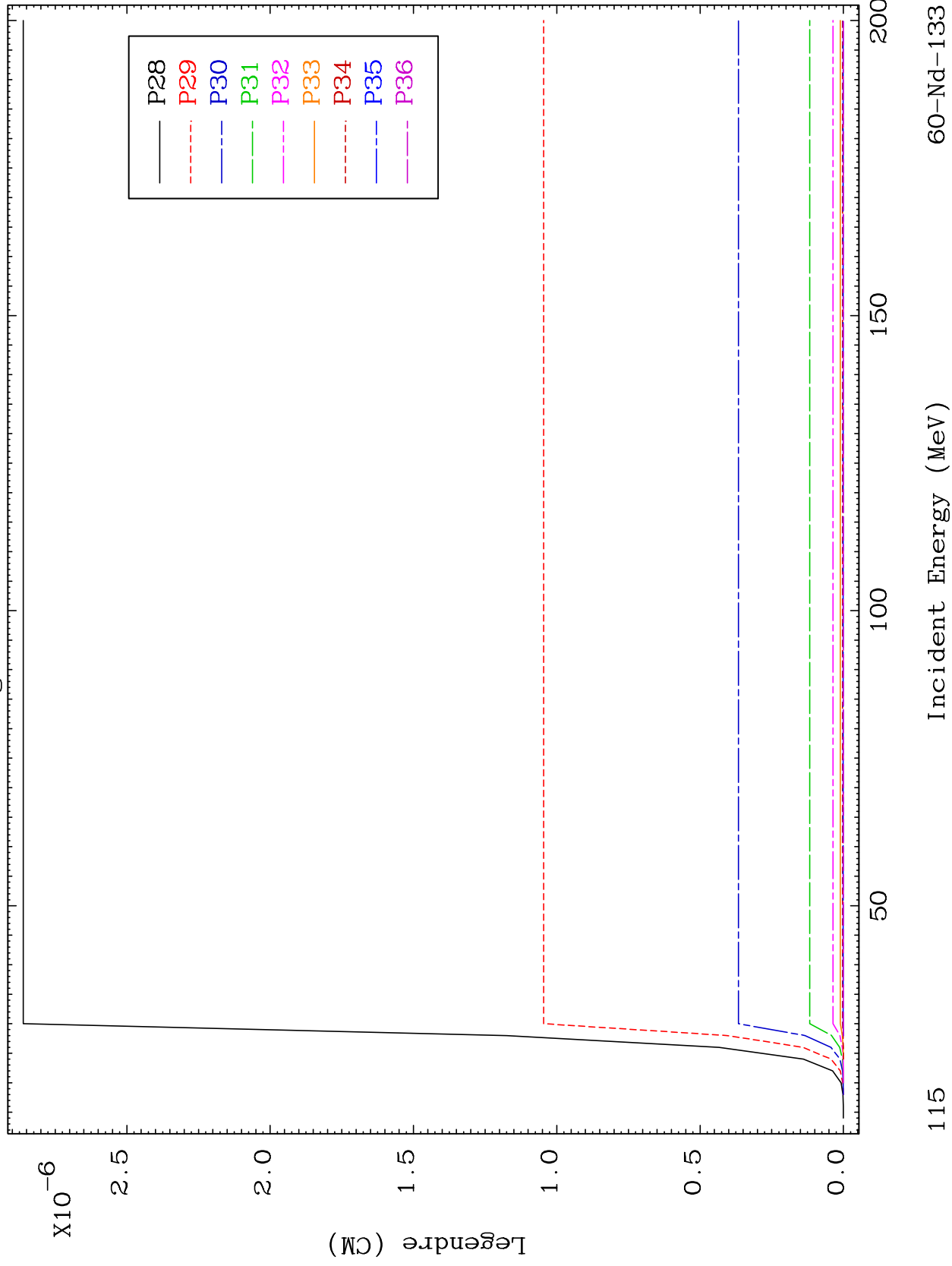
113



MAT 5998

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

60-Nd-133



115

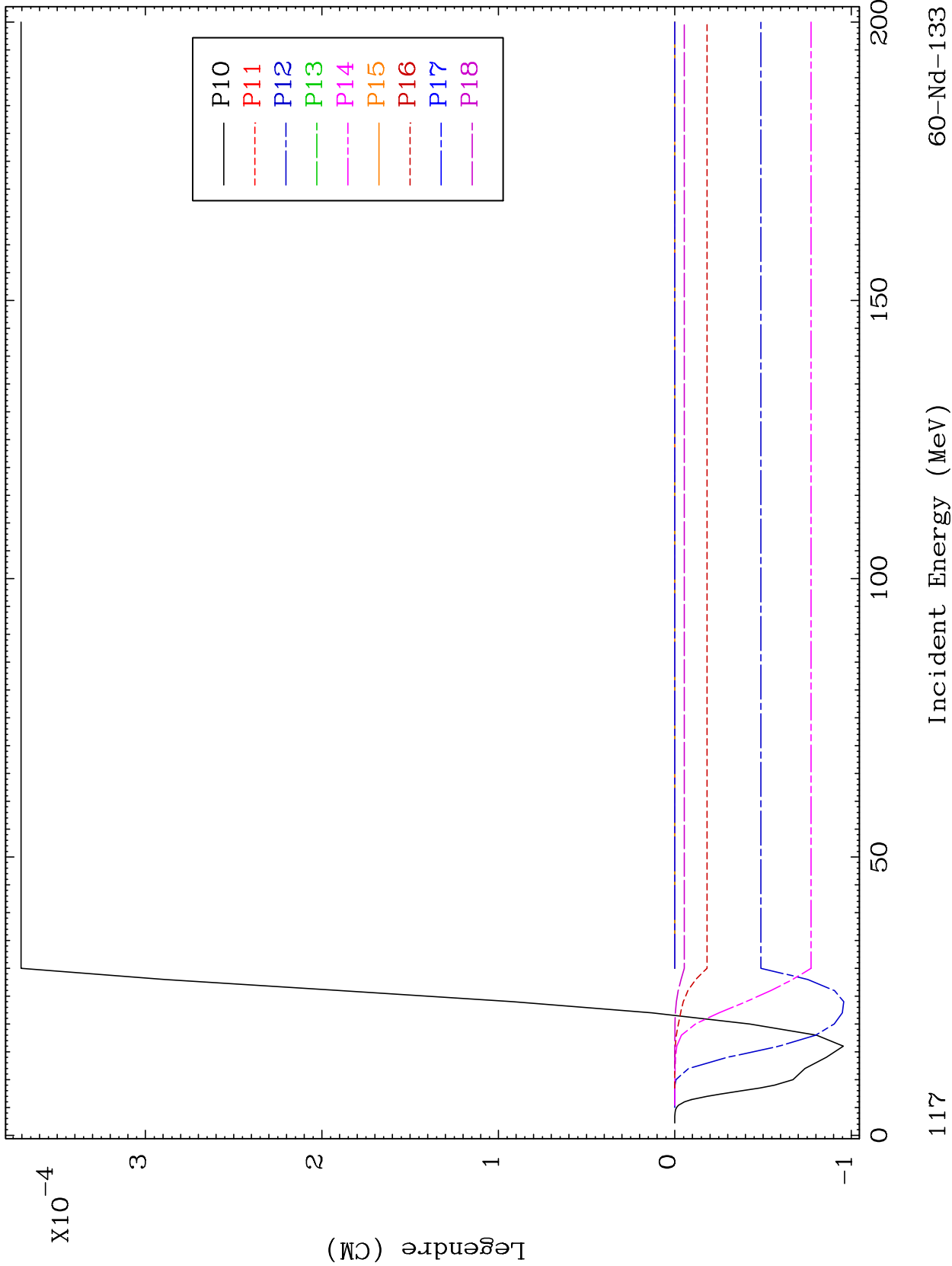
Incident Energy (MeV)

60-Nd-133

MAT 5998

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

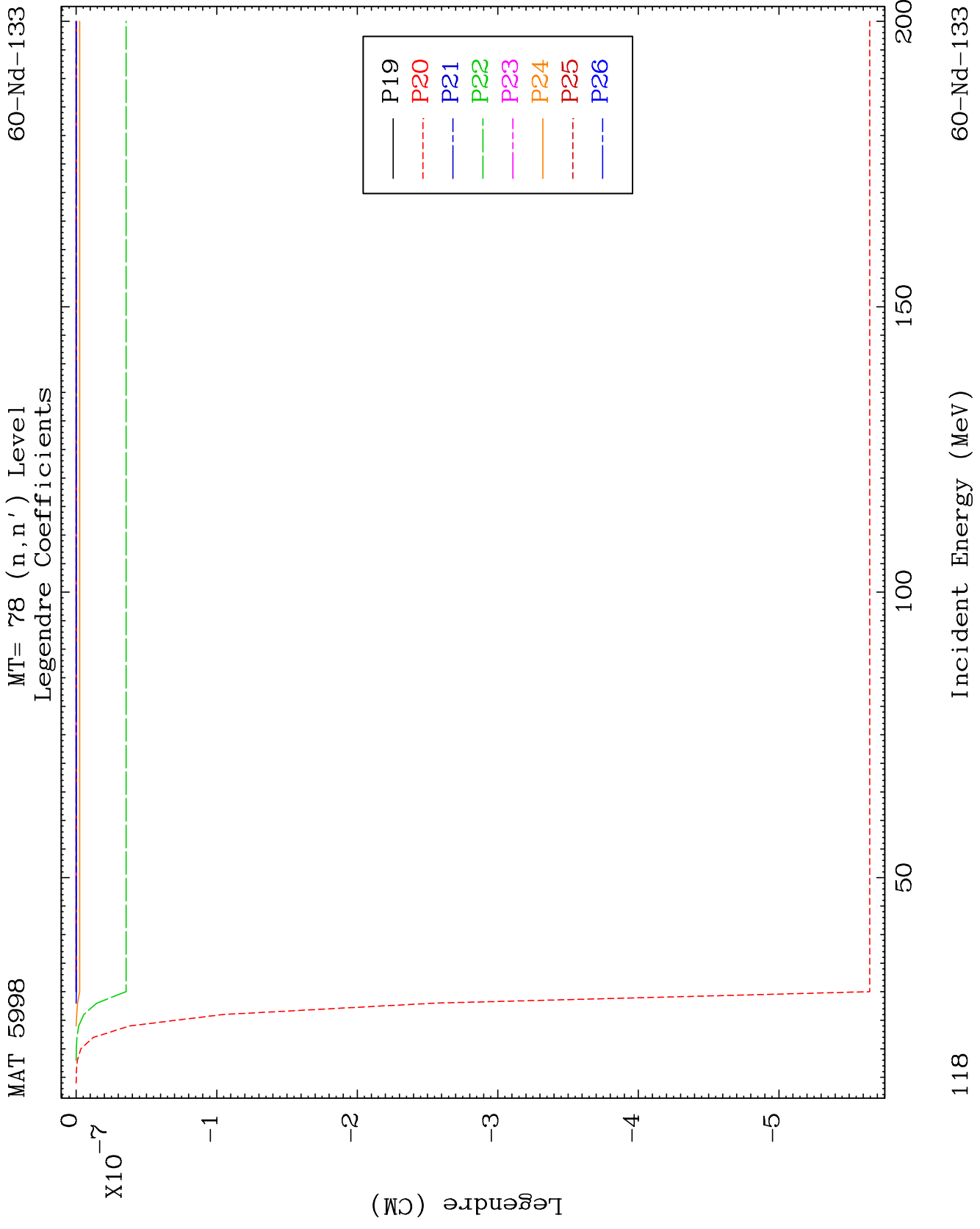
60-Nd-133



117

Incident Energy (MeV)

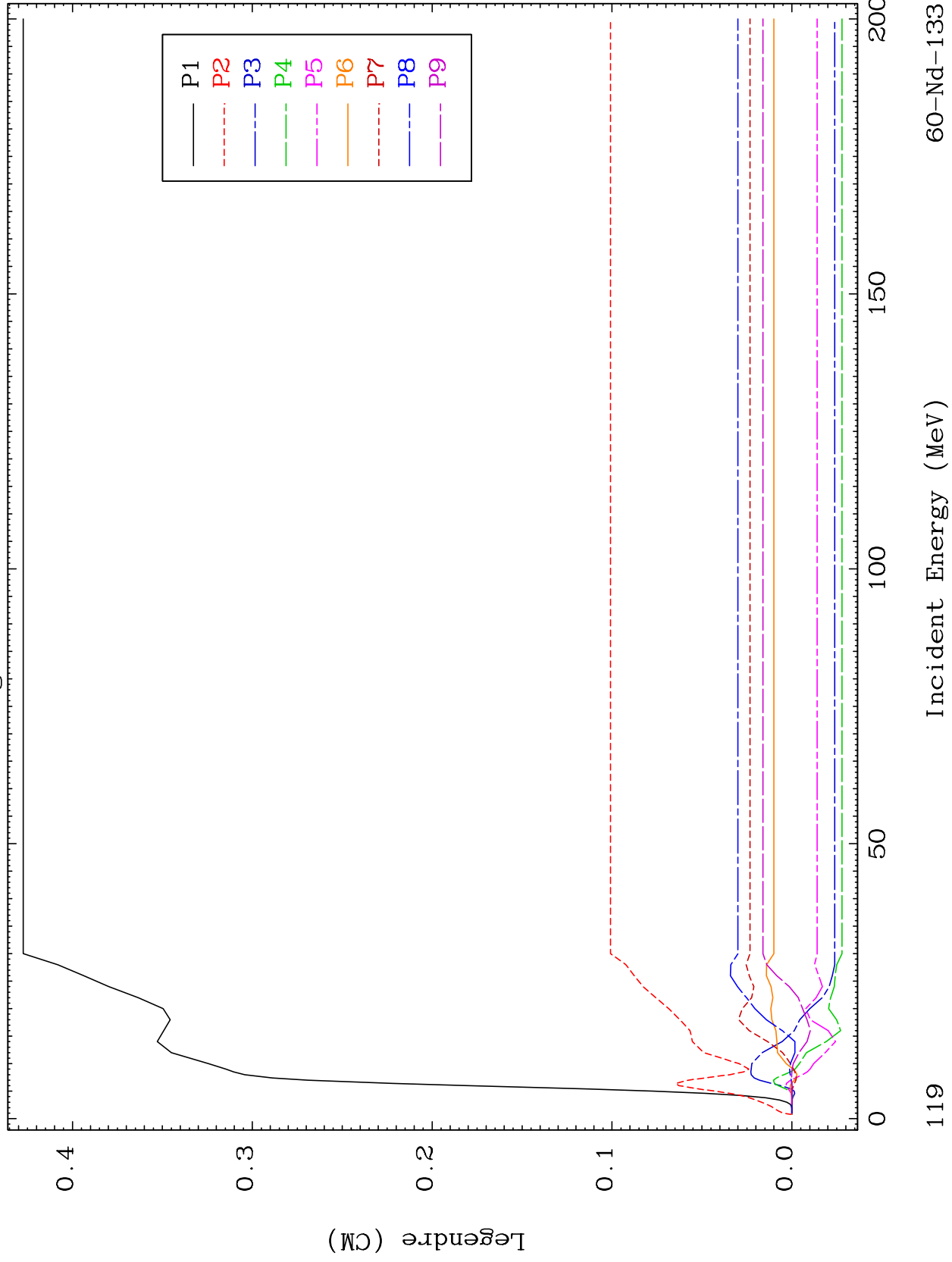
60-Nd-133



MAT 5998

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

60-Nd-133



60-Nd-133

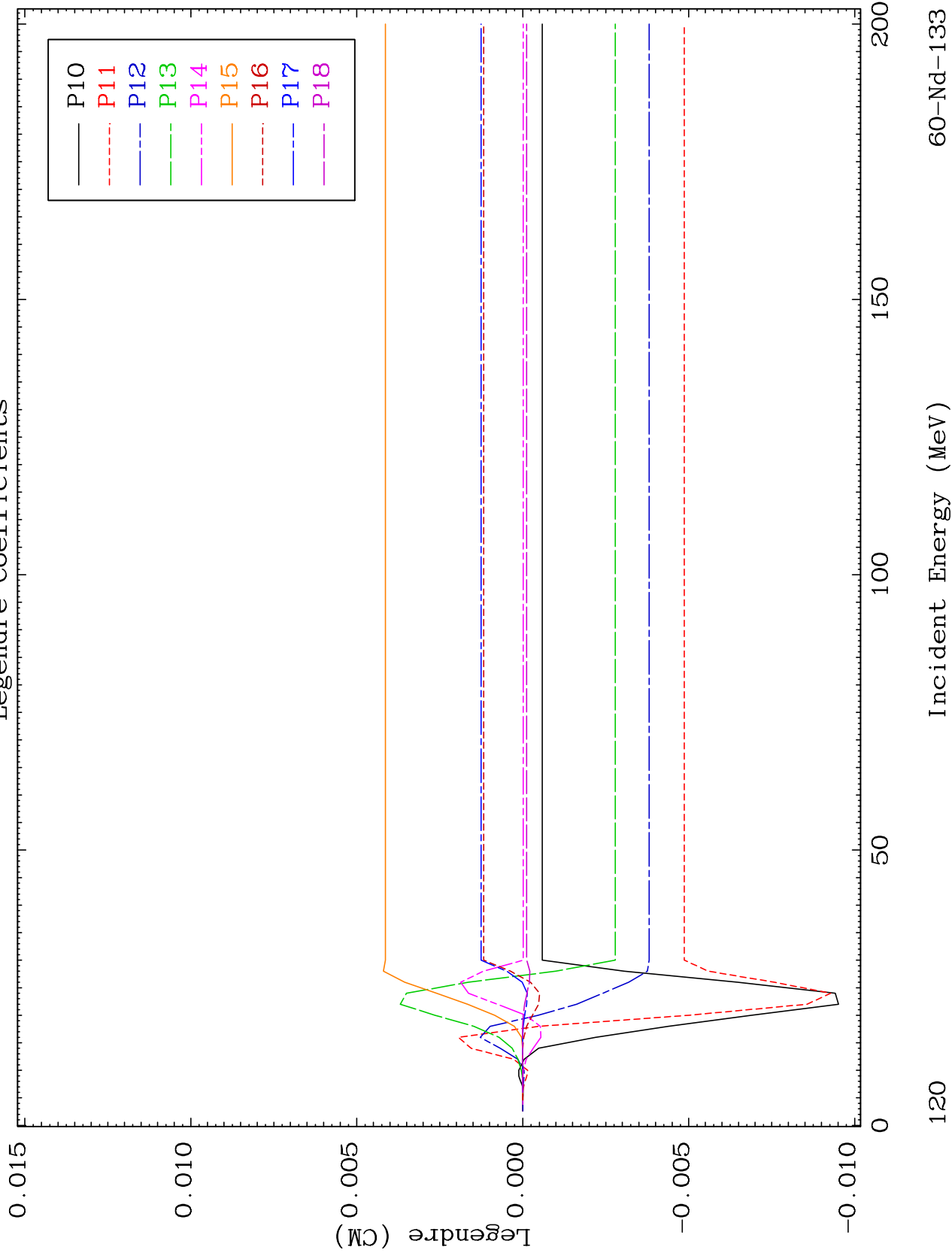
Incident Energy (MeV)

119

MAT 5998

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

60-Nd-133



60-Nd-133

Incident Energy (MeV)

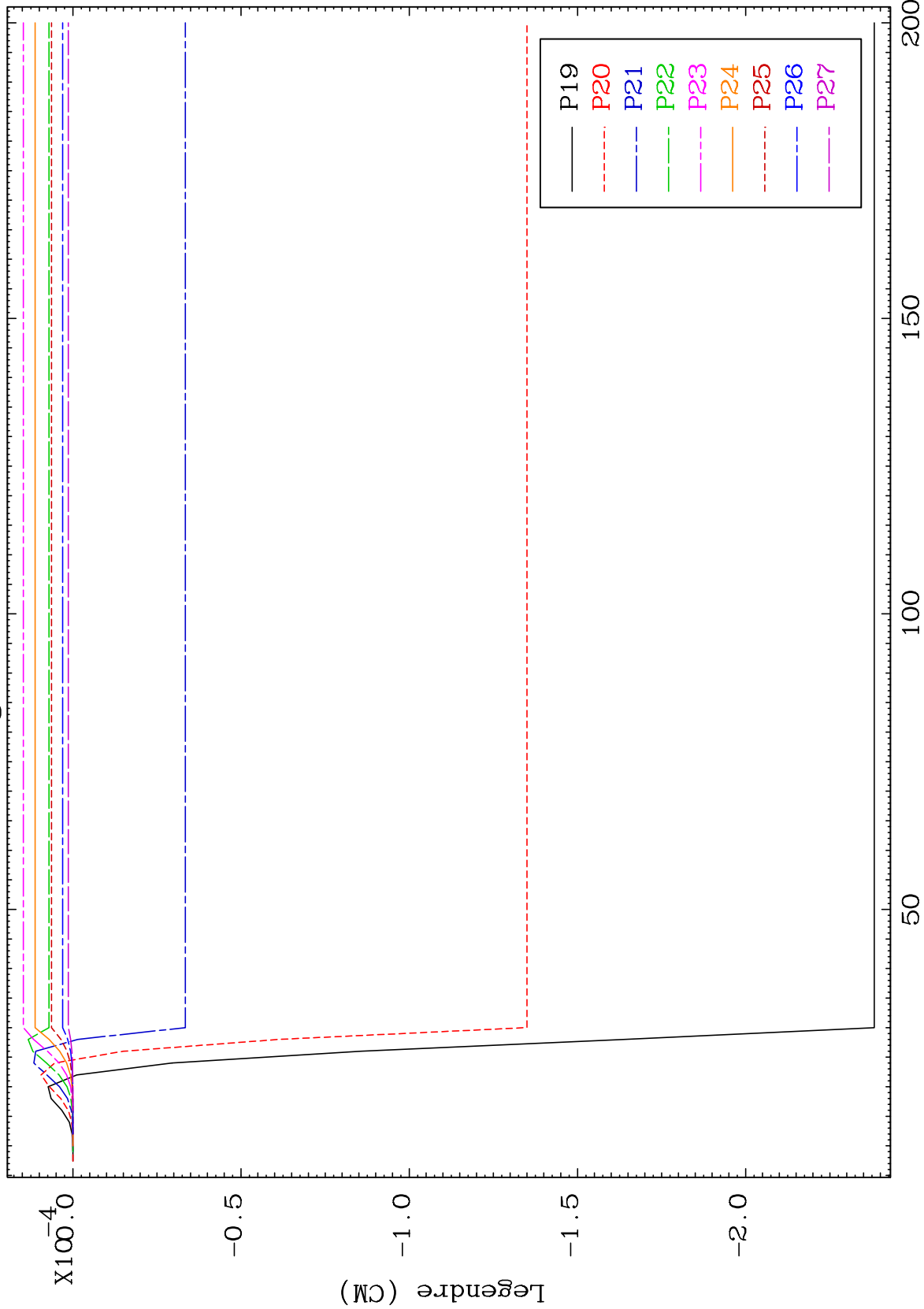
120

MAT 5998

MT= 79 (n,n') Level

60-Nd-133

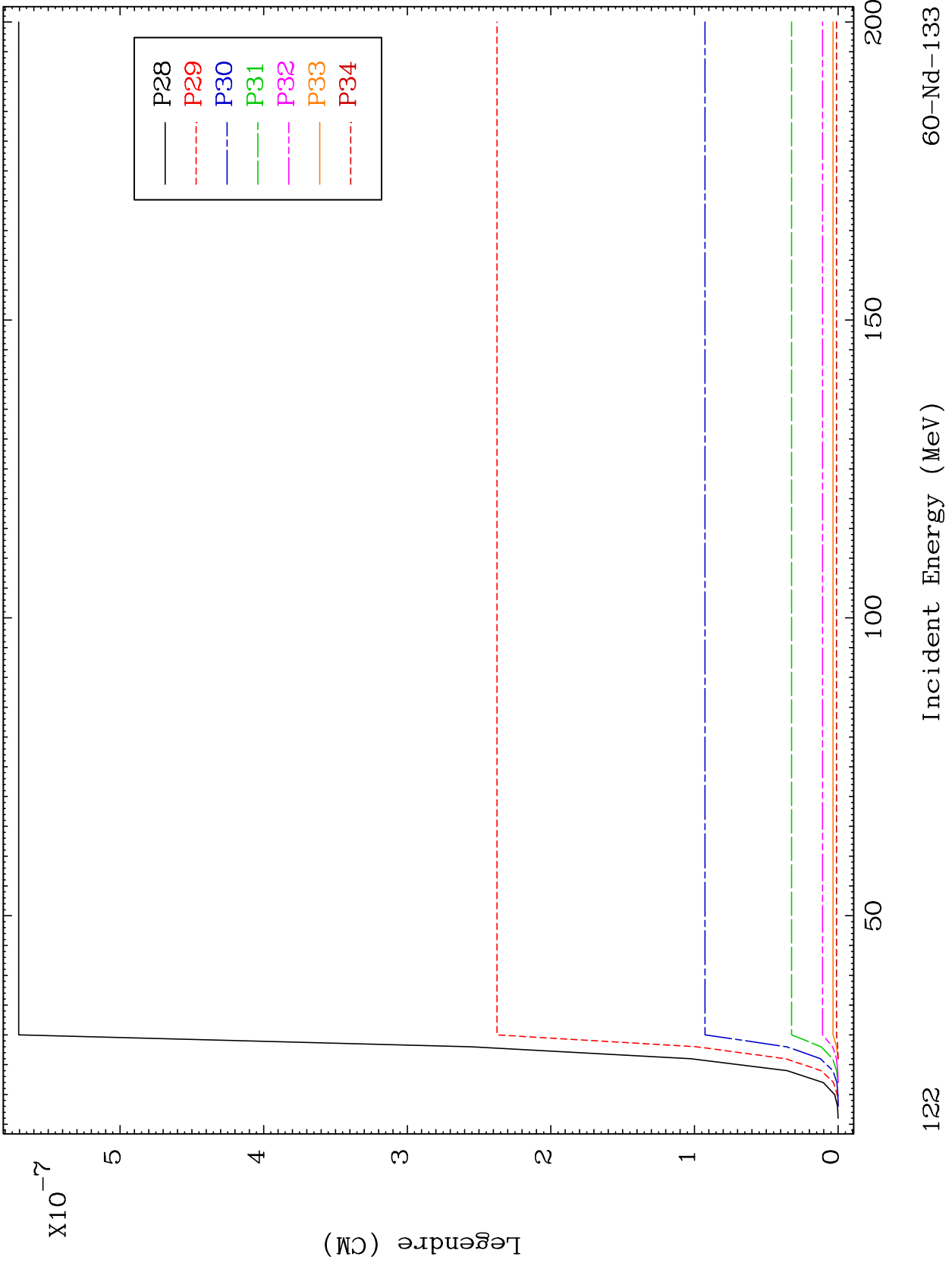
Legendre Coefficients



MAT 5998

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

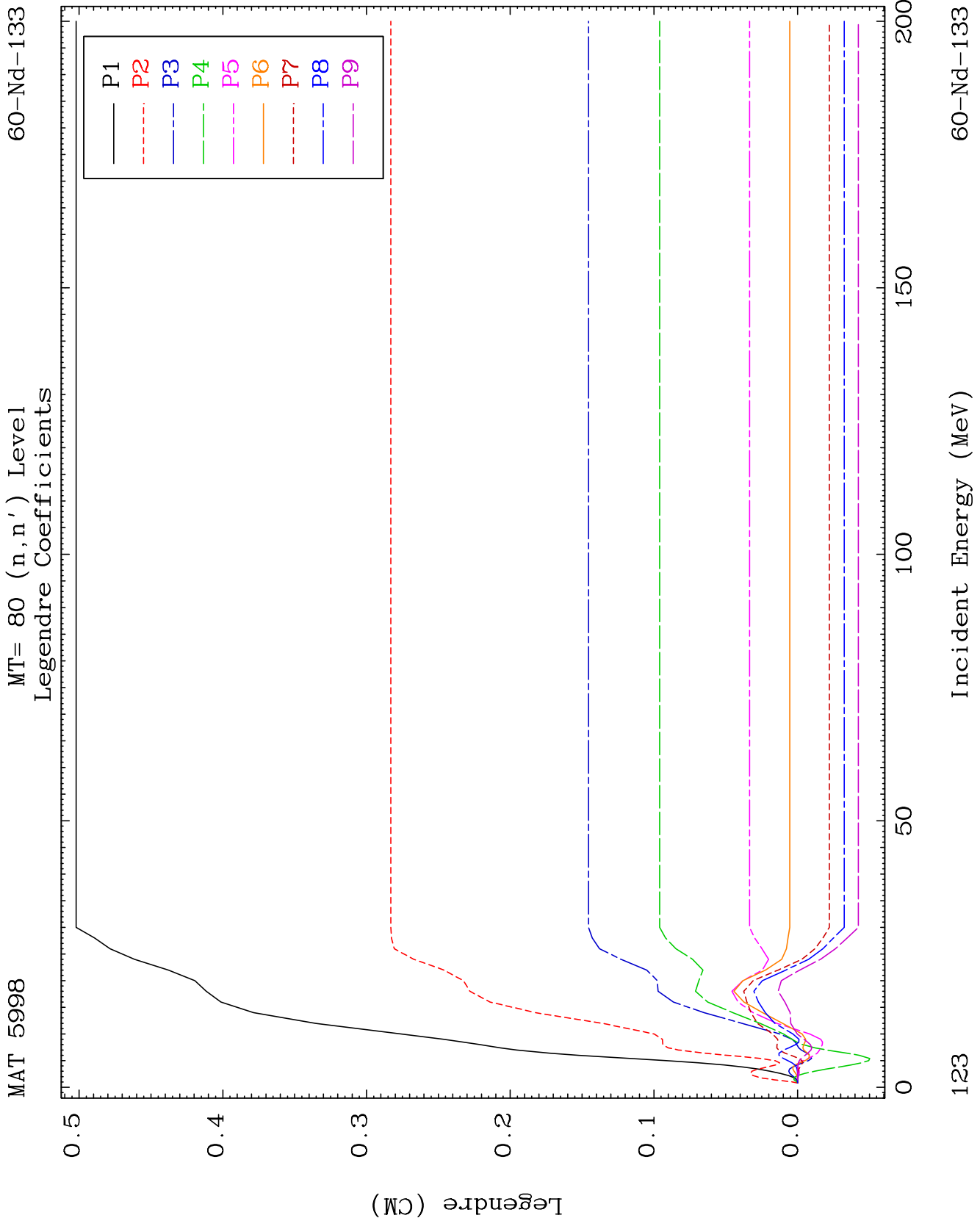
60-Nd-133

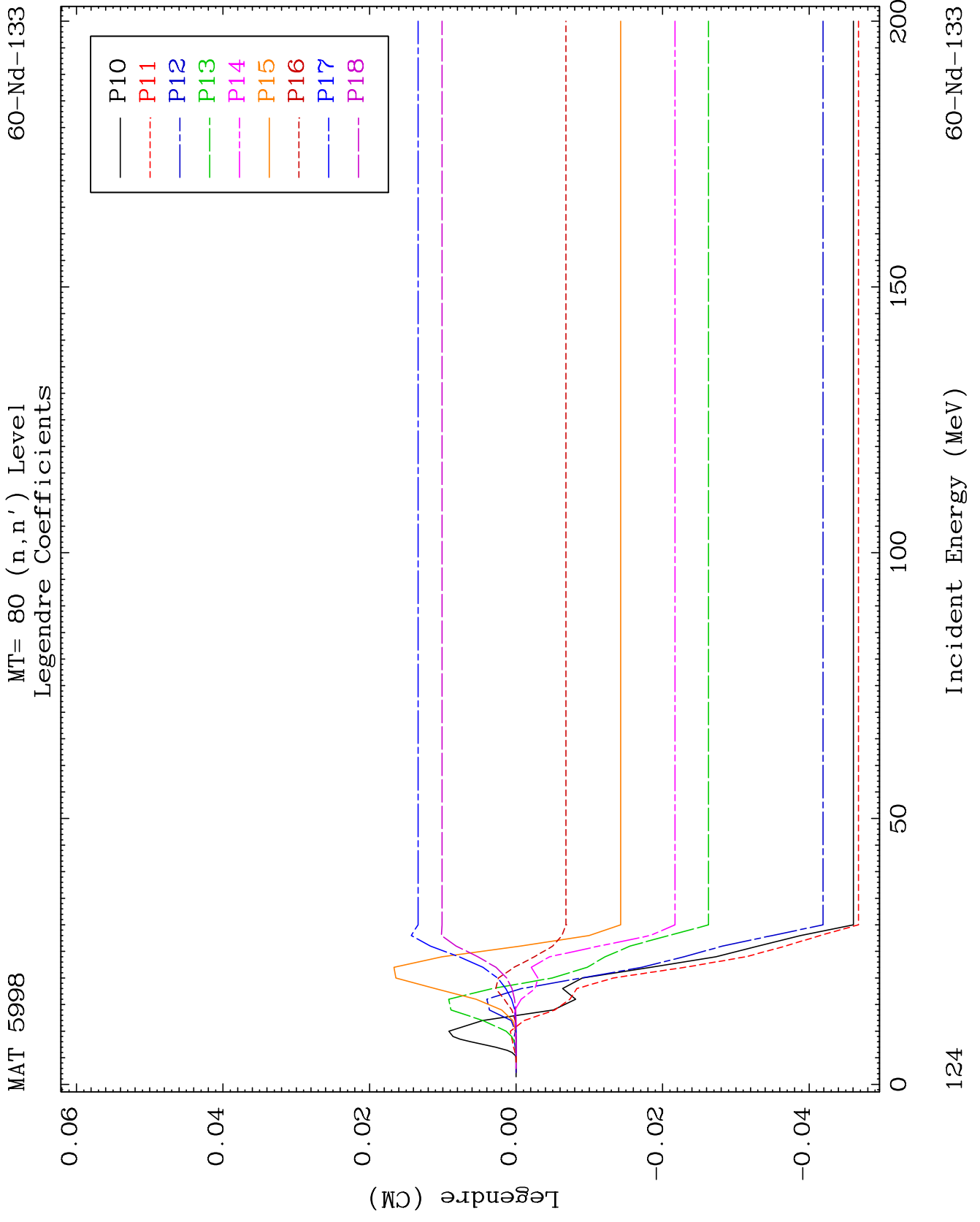


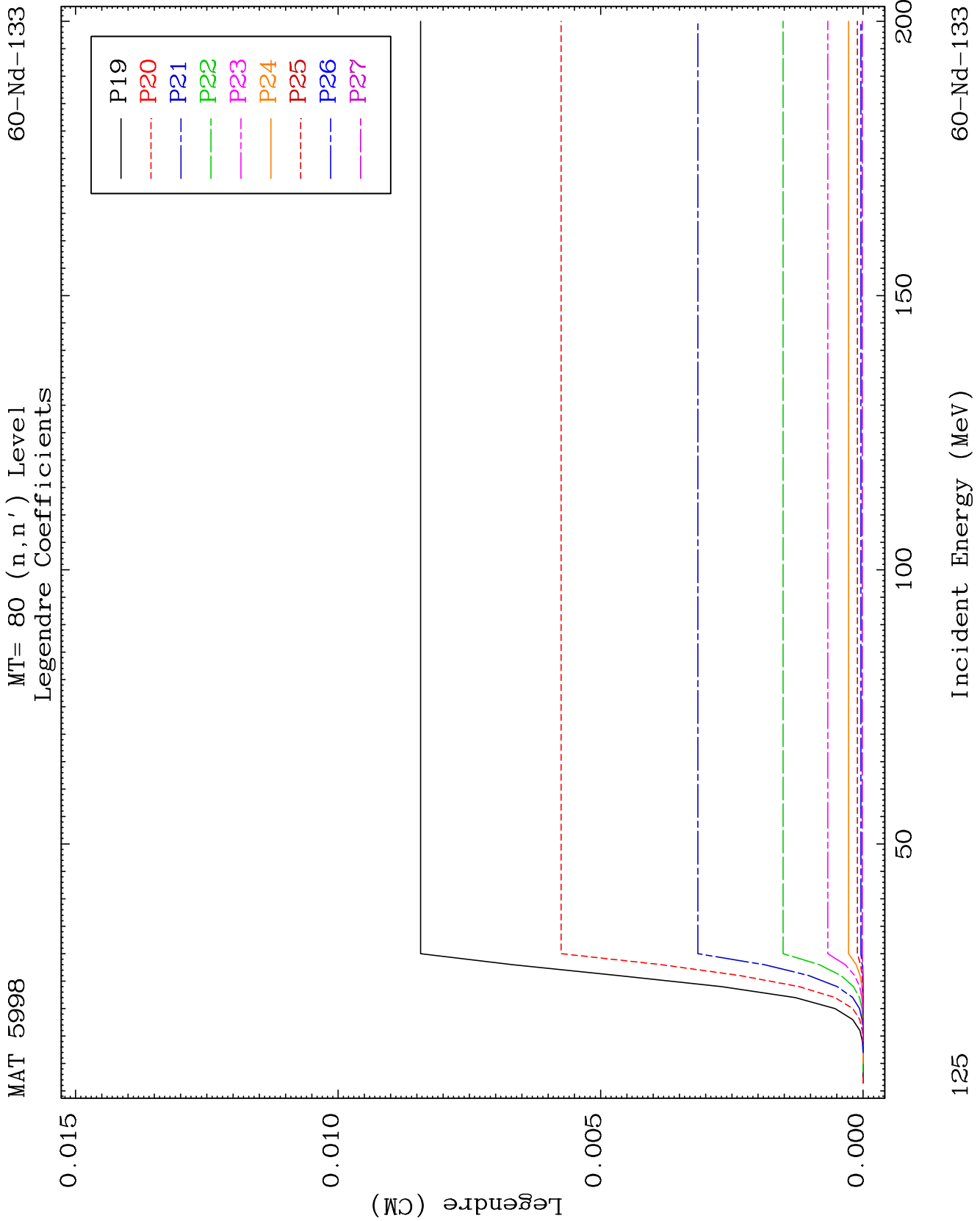
122

Incident Energy (MeV)

60-Nd-133



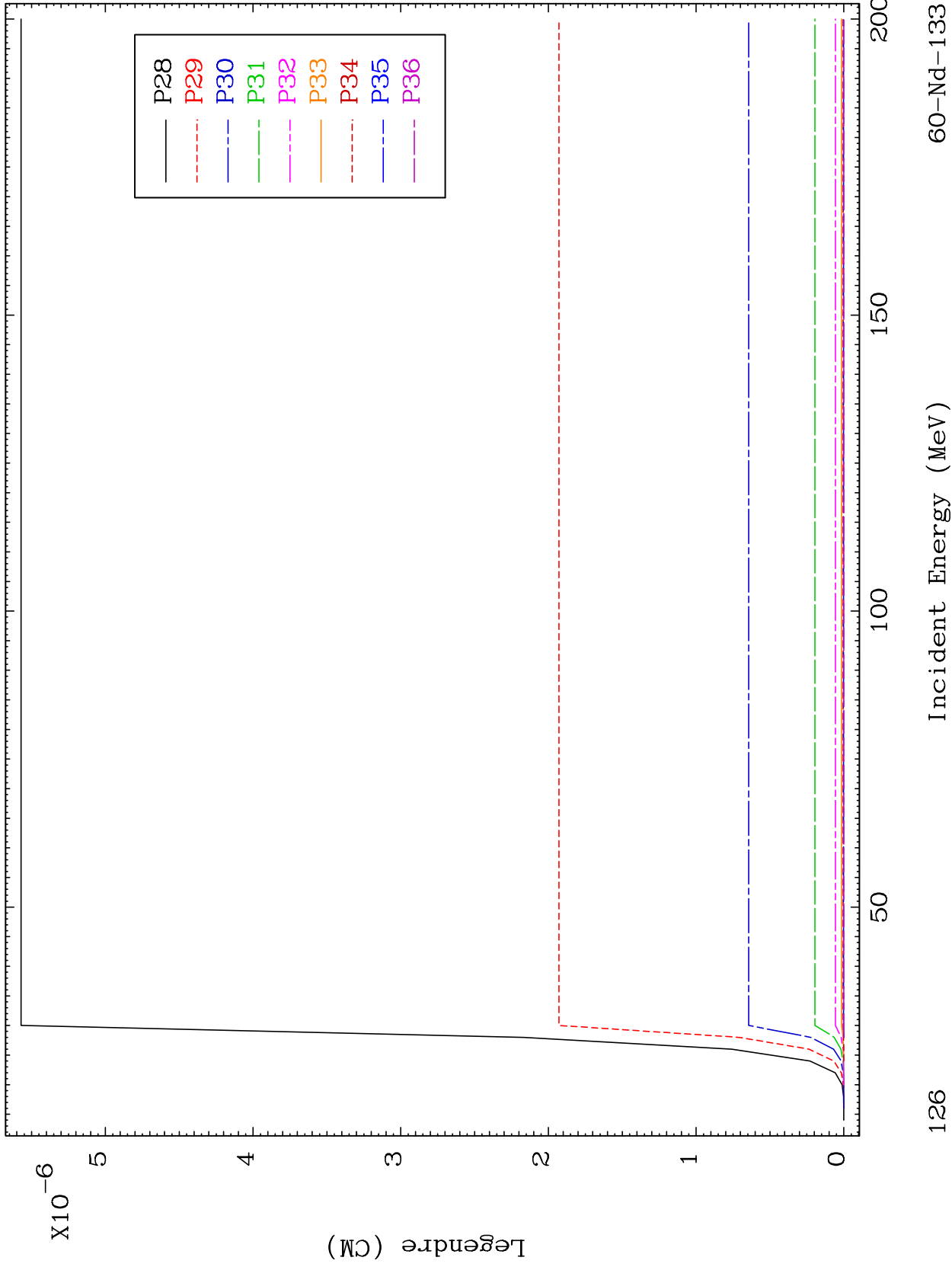




MAT 5998

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

60-Nd-133

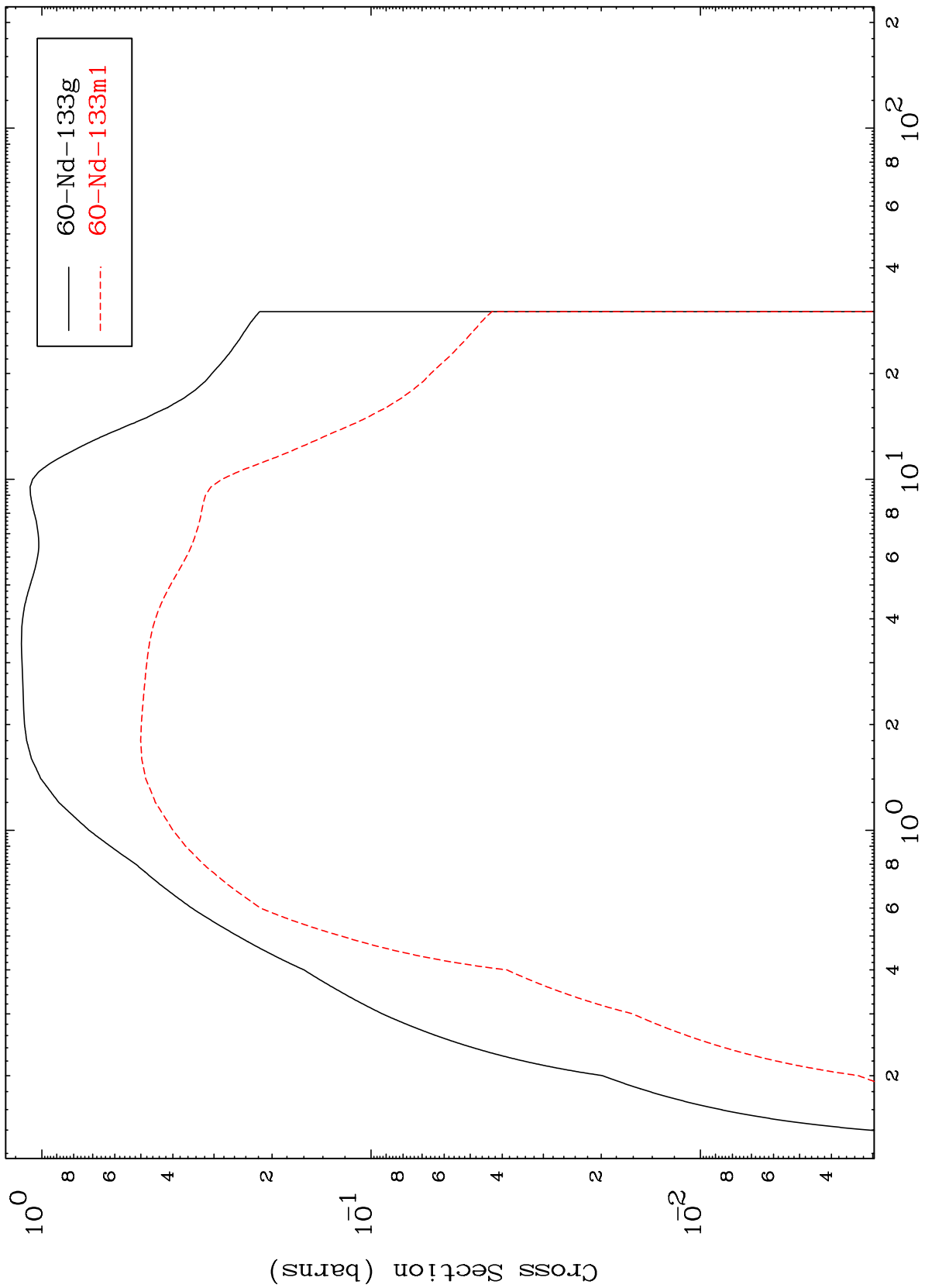


126

Incident Energy (MeV)

60-Nd-133

Inelastic
Radionuclide Production Cross Section



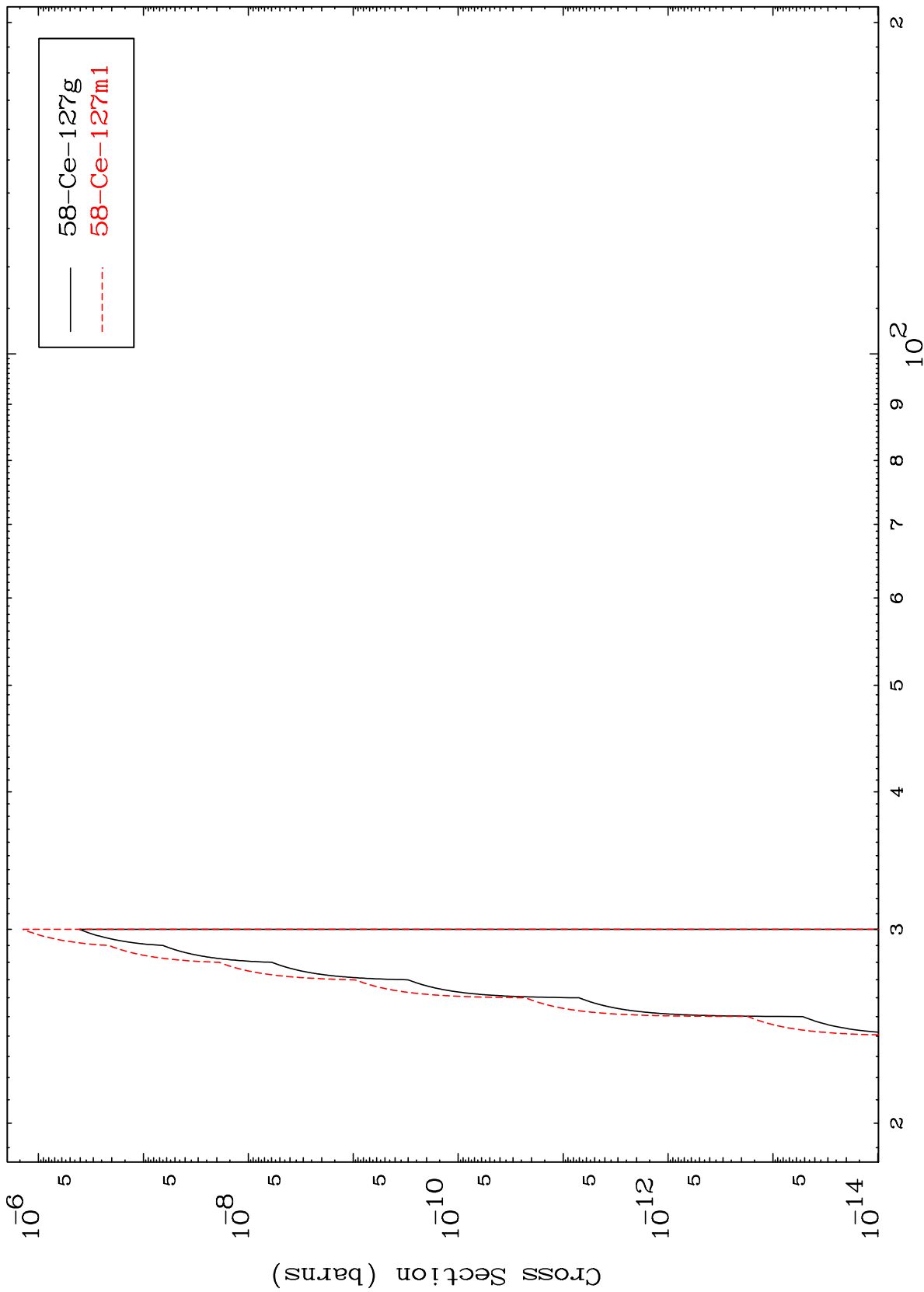
60-Nd-133g
60-Nd-133m1

MAT 5998

(n,3n) α

60-Nd-133

Radionuclide Production Cross Section



128

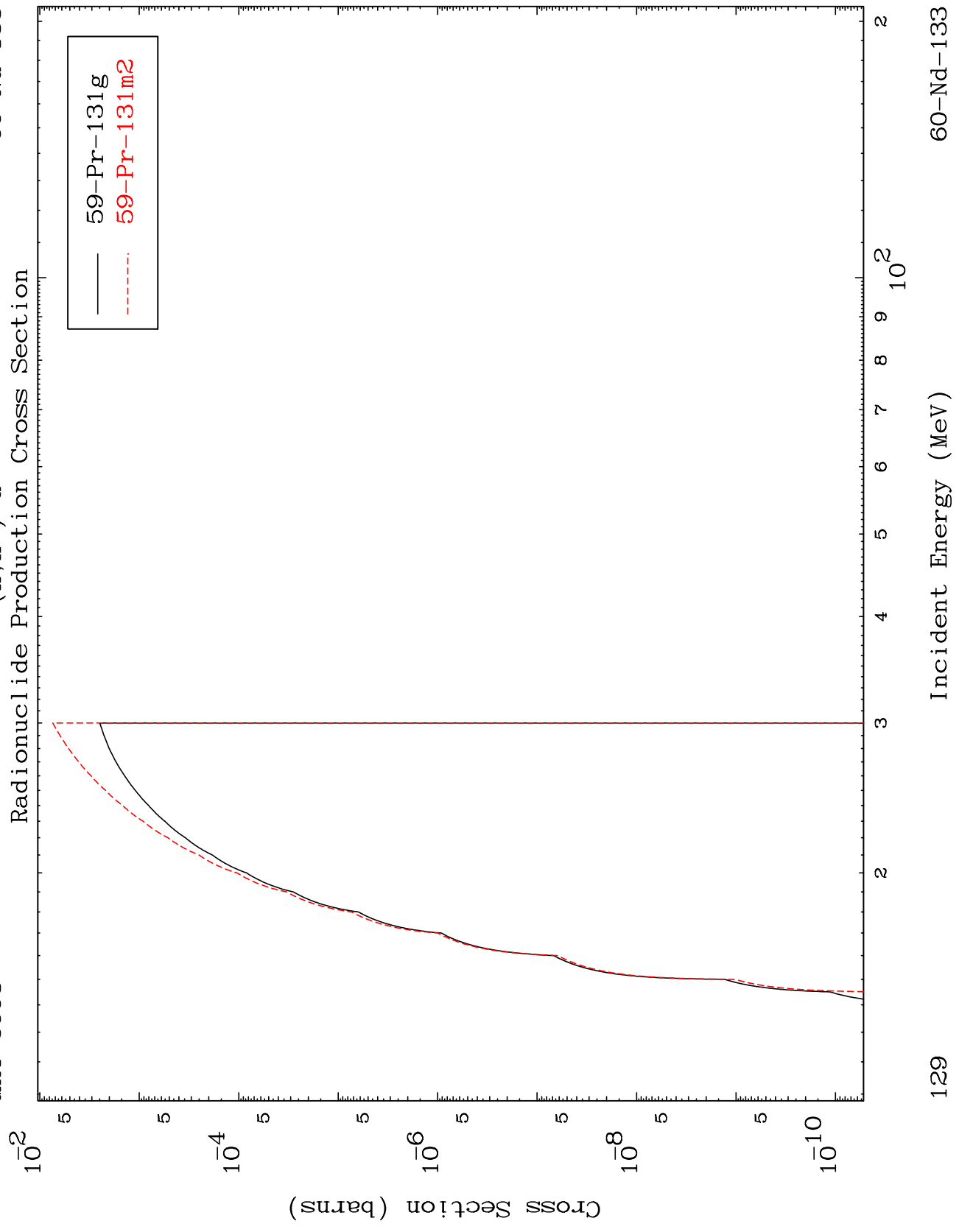
Incident Energy (MeV)

60-Nd-133

MAT 5998

(n,n') d

60-Nd-133



129

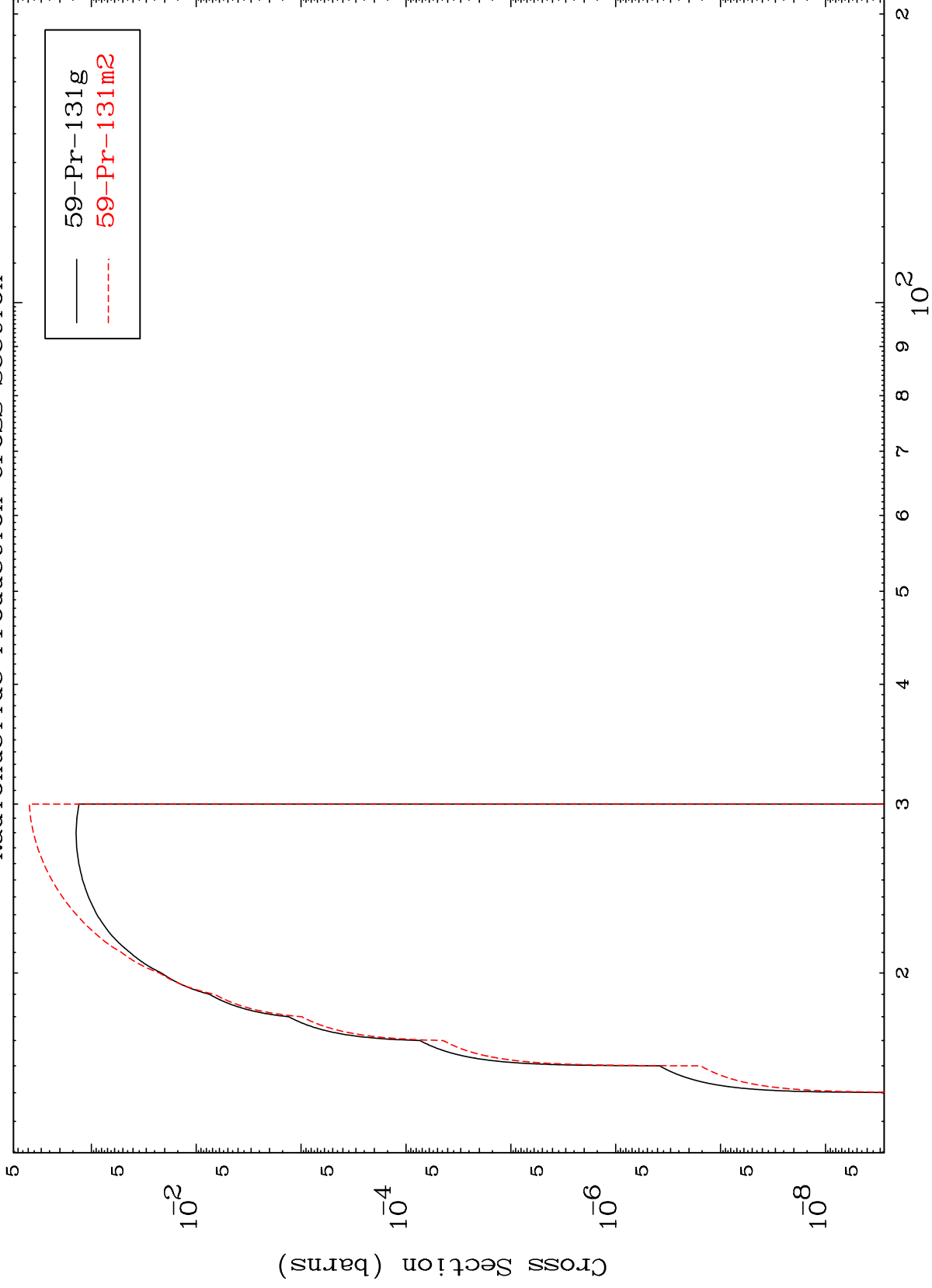
60-Nd-133

MAT 5998

(n,2n) p

60-Nd-133

Radionuclide Production Cross Section



130

Incident Energy (MeV)

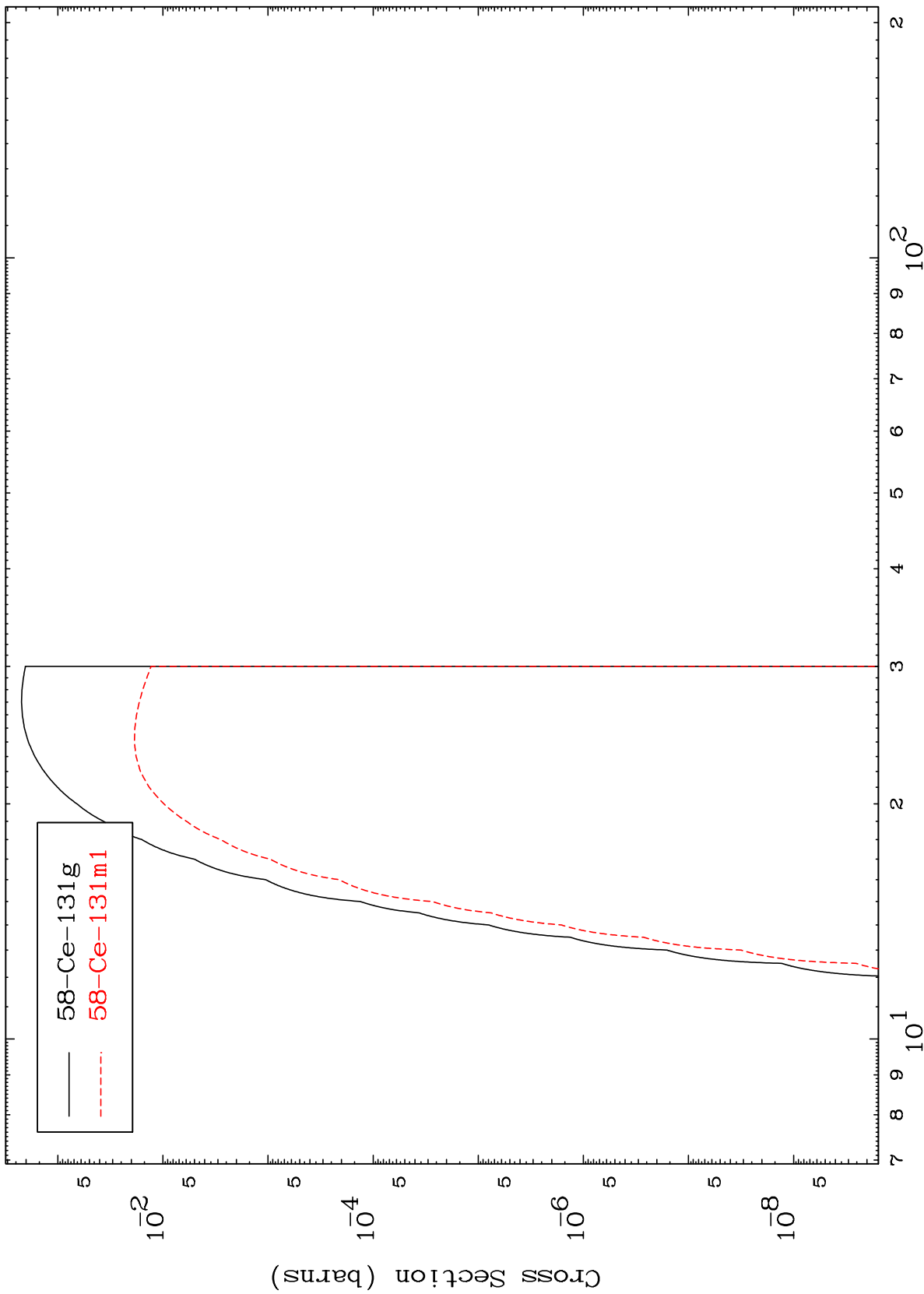
60-Nd-133

MAT 5998

(n,2n) p

60-Nd-133

Radionuclide Production Cross Section



131

Incident Energy (MeV)

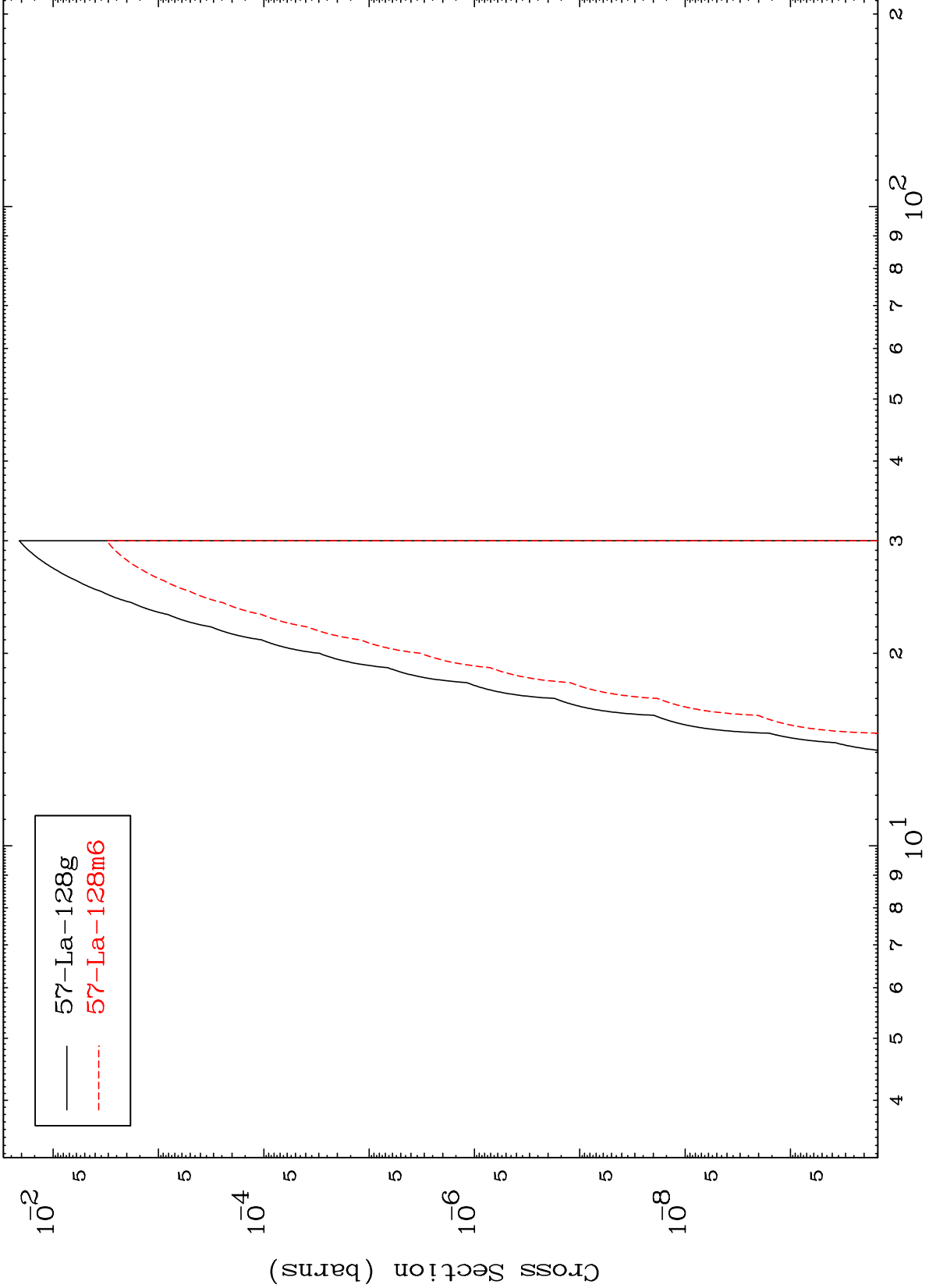
60-Nd-133

MAT 5998

(n,n') p α

60-Nd-133

Radionuclide Production Cross Section



132

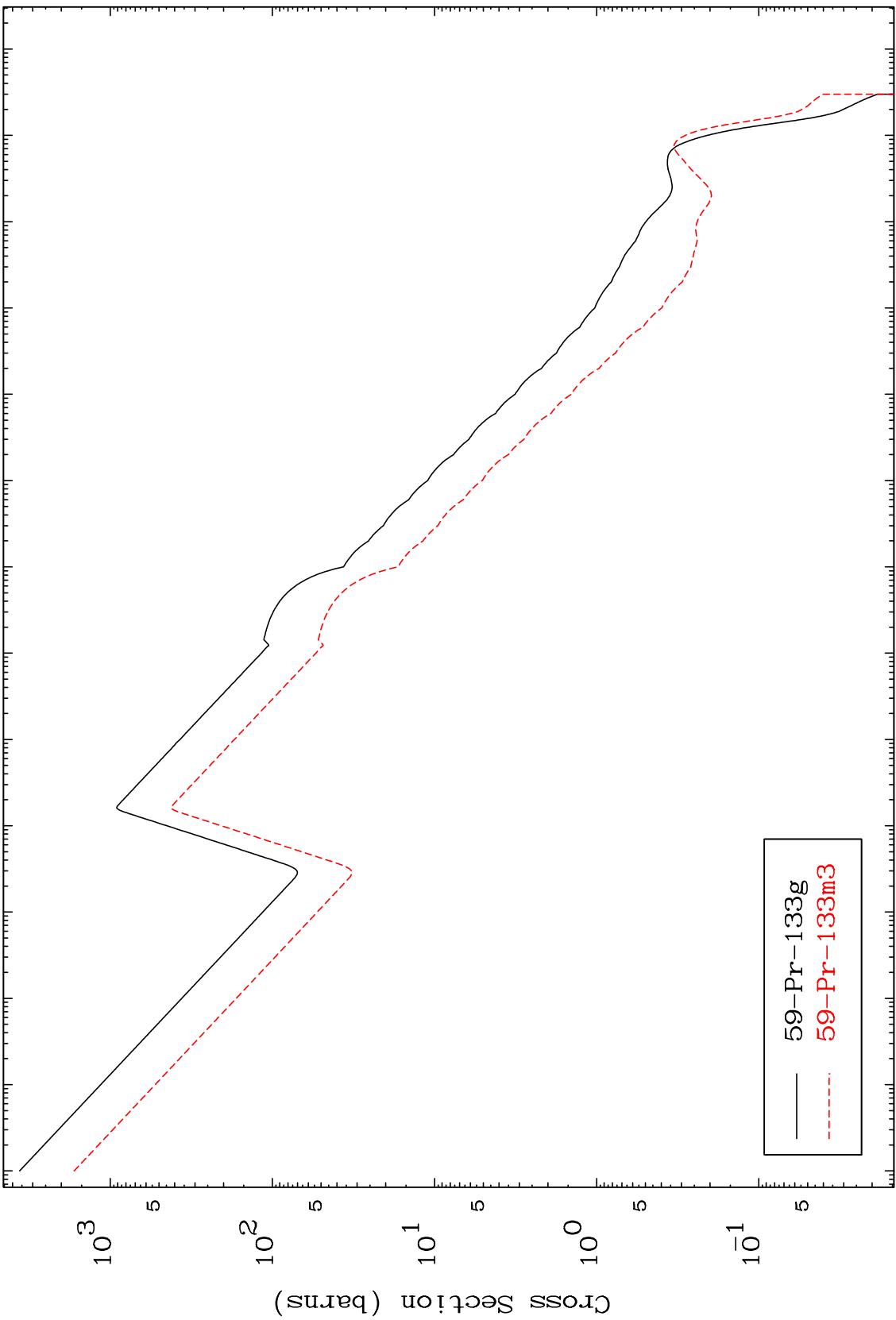
Incident Energy (MeV)

60-Nd-133

MAT 5998

60-Nd-133

(n,p)
Radionuclide Production Cross Section



— 59-Pr-133g
- - - 59-Pr-133m3

133

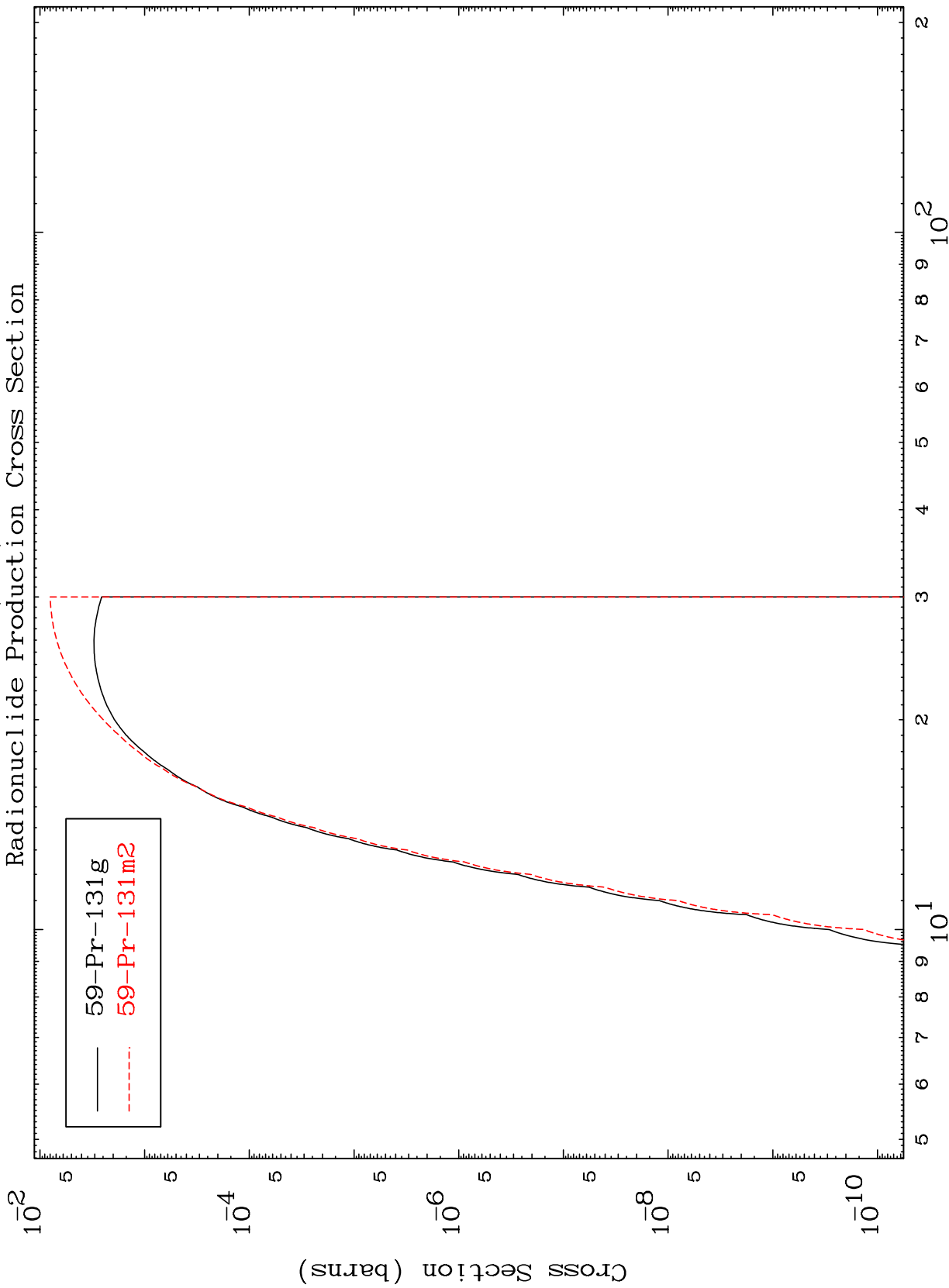
Incident Energy (MeV)

60-Nd-133

MAT 5998

60-Nd-133

(n, t)
Radionuclide Production Cross Section



134

Incident Energy (MeV)

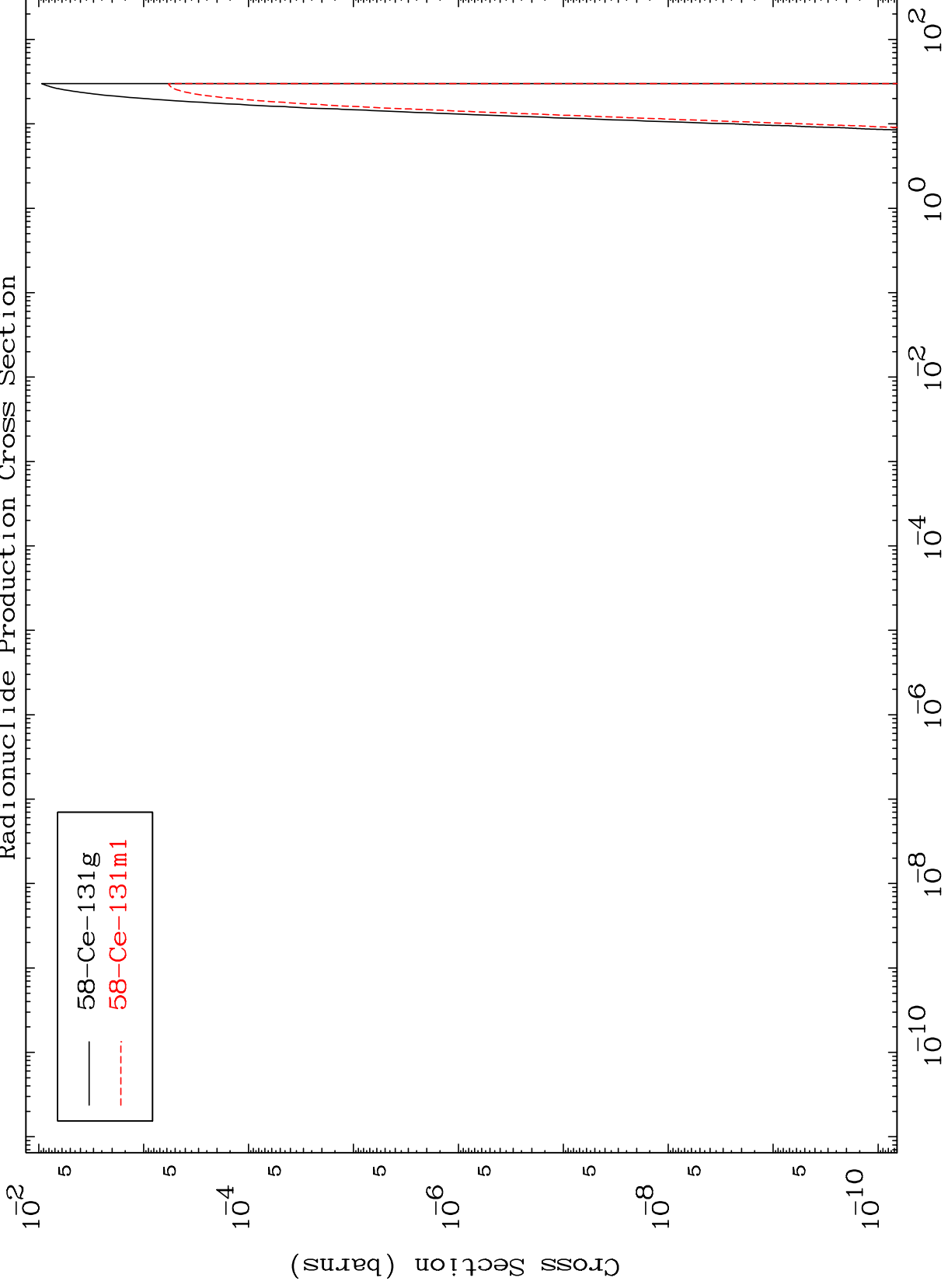
60-Nd-133

MAT 5998

(n,He-3)

60-Nd-133

Radionuclide Production Cross Section



135

Incident Energy (MeV)

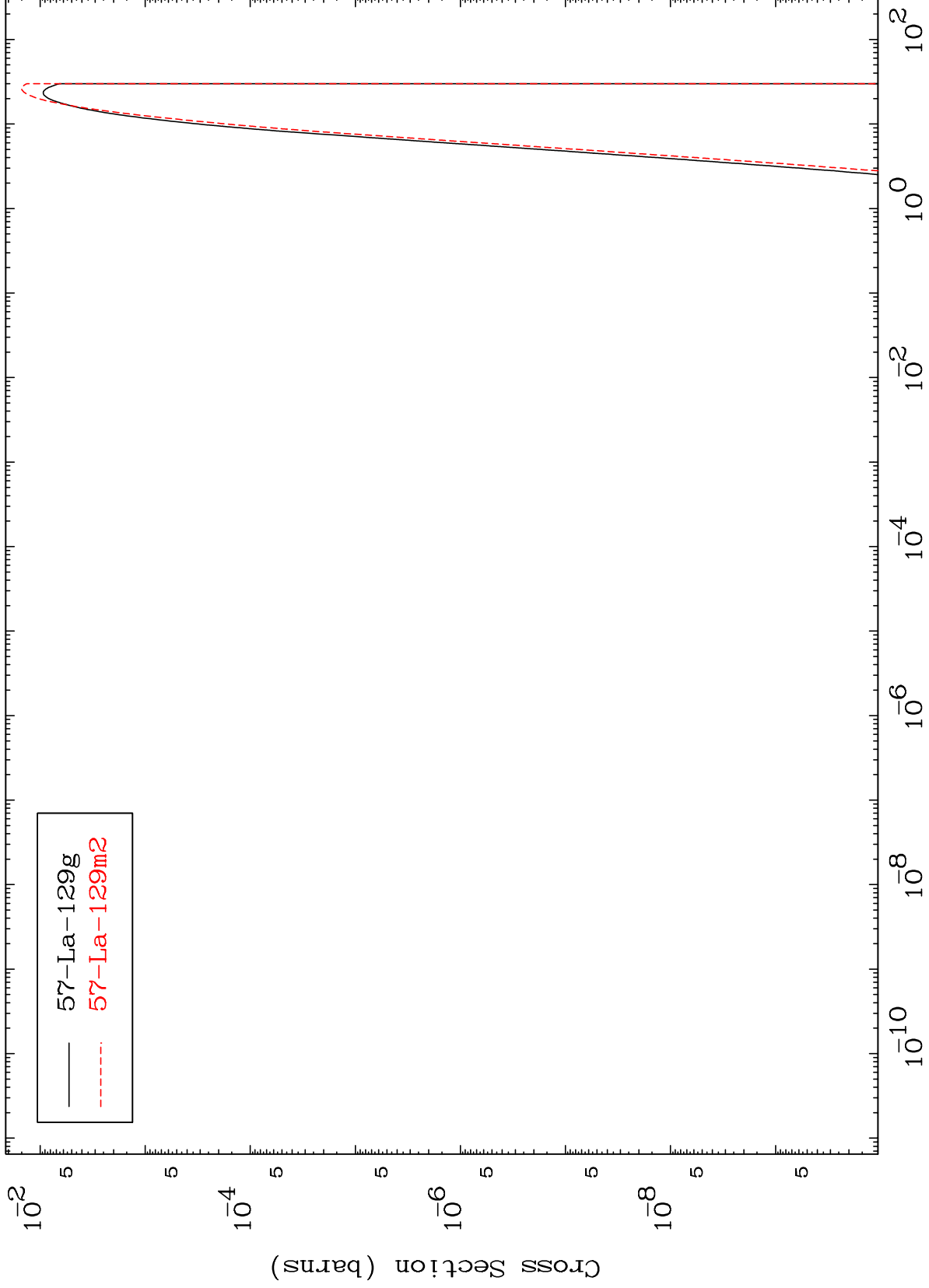
60-Nd-133

MAT 5998

(n,p) α

60-Nd-133

Radionuclide Production Cross Section



136

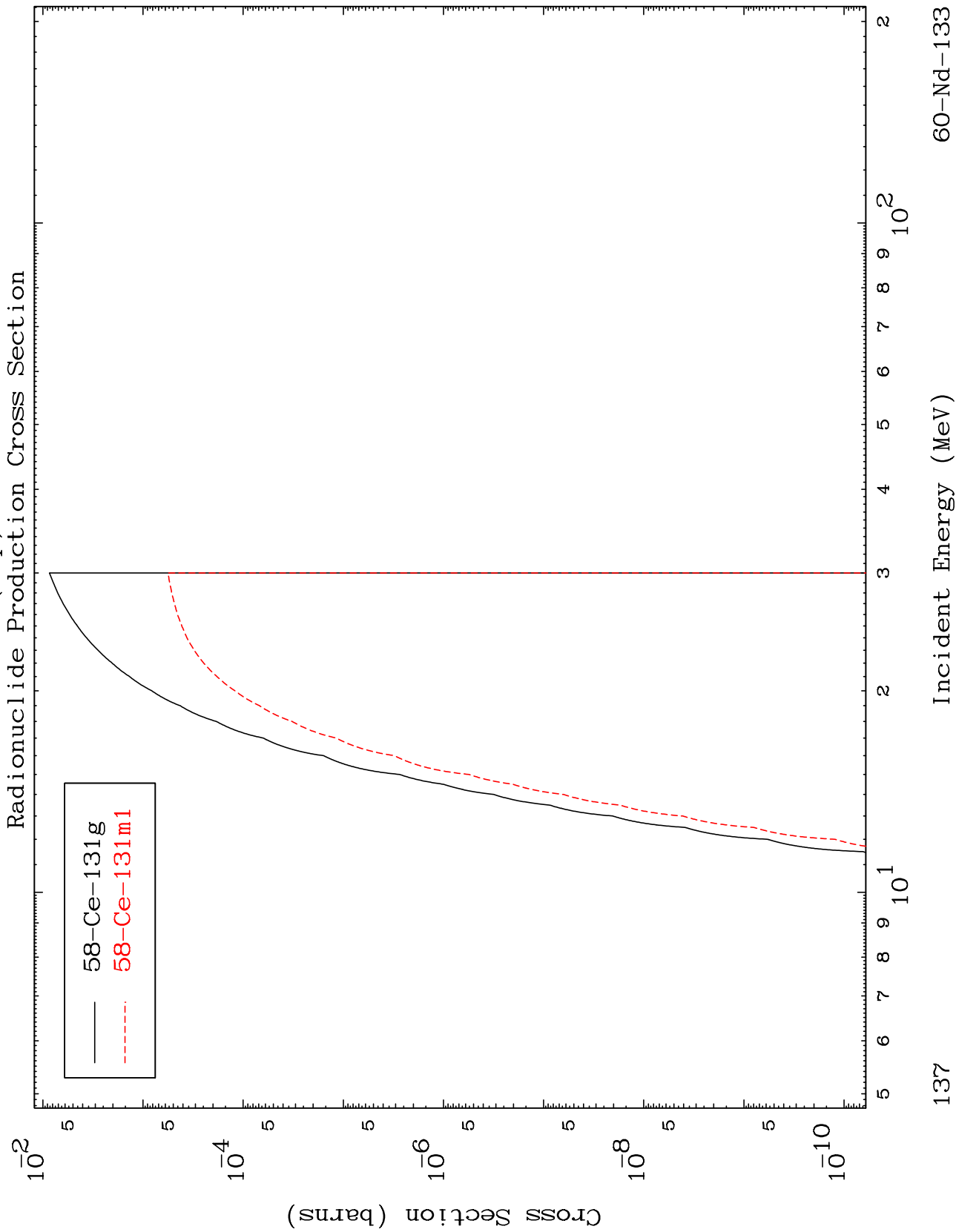
Incident Energy (MeV)

60-Nd-133

MAT 5998

(n,p) d

60-Nd-133

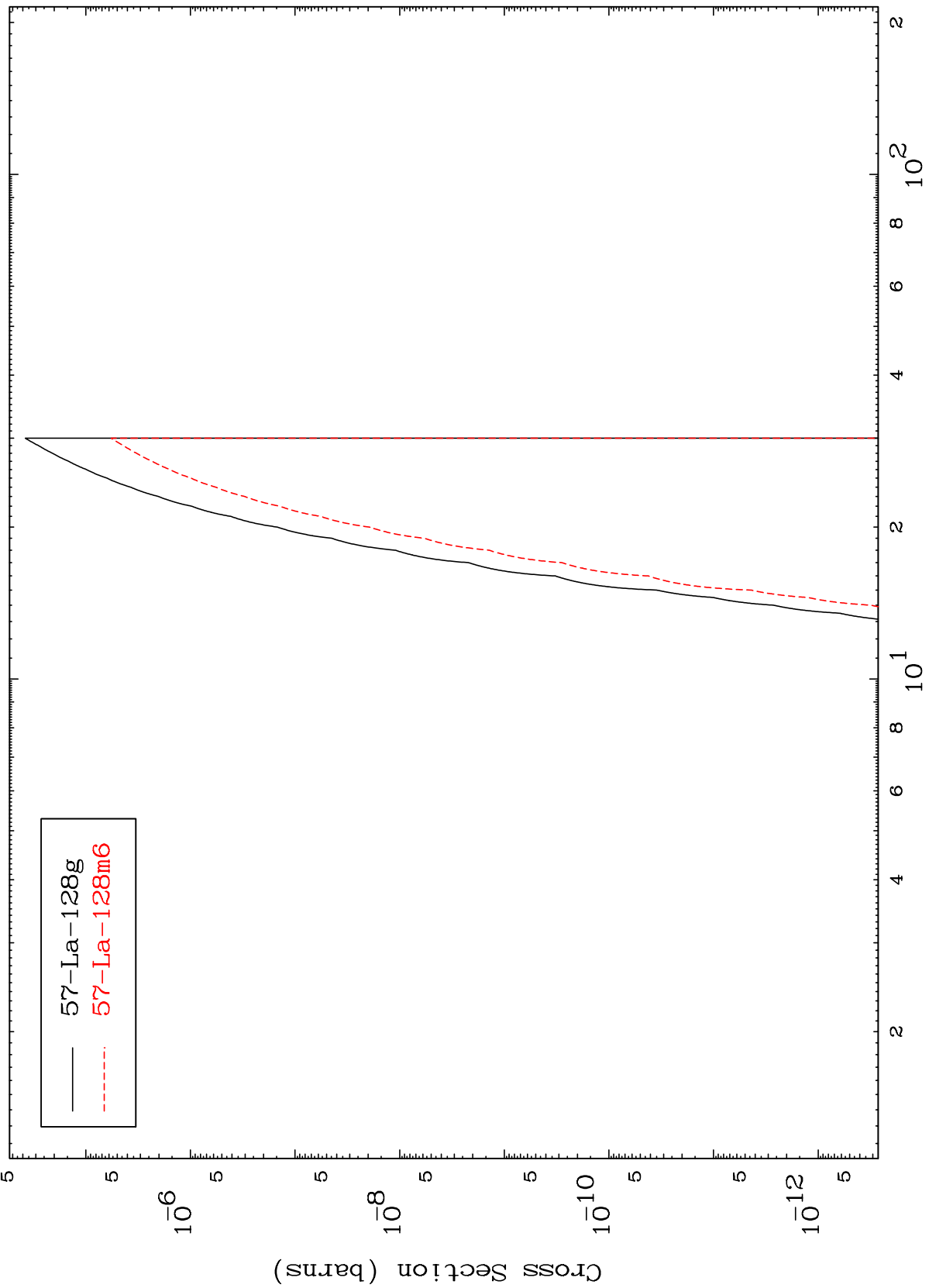


MAT 5998

(n,d) α

$^{60}\text{Nd-133}$

Radionuclide Production Cross Section



138

Incident Energy (MeV)

$^{60}\text{Nd-133}$