

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](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

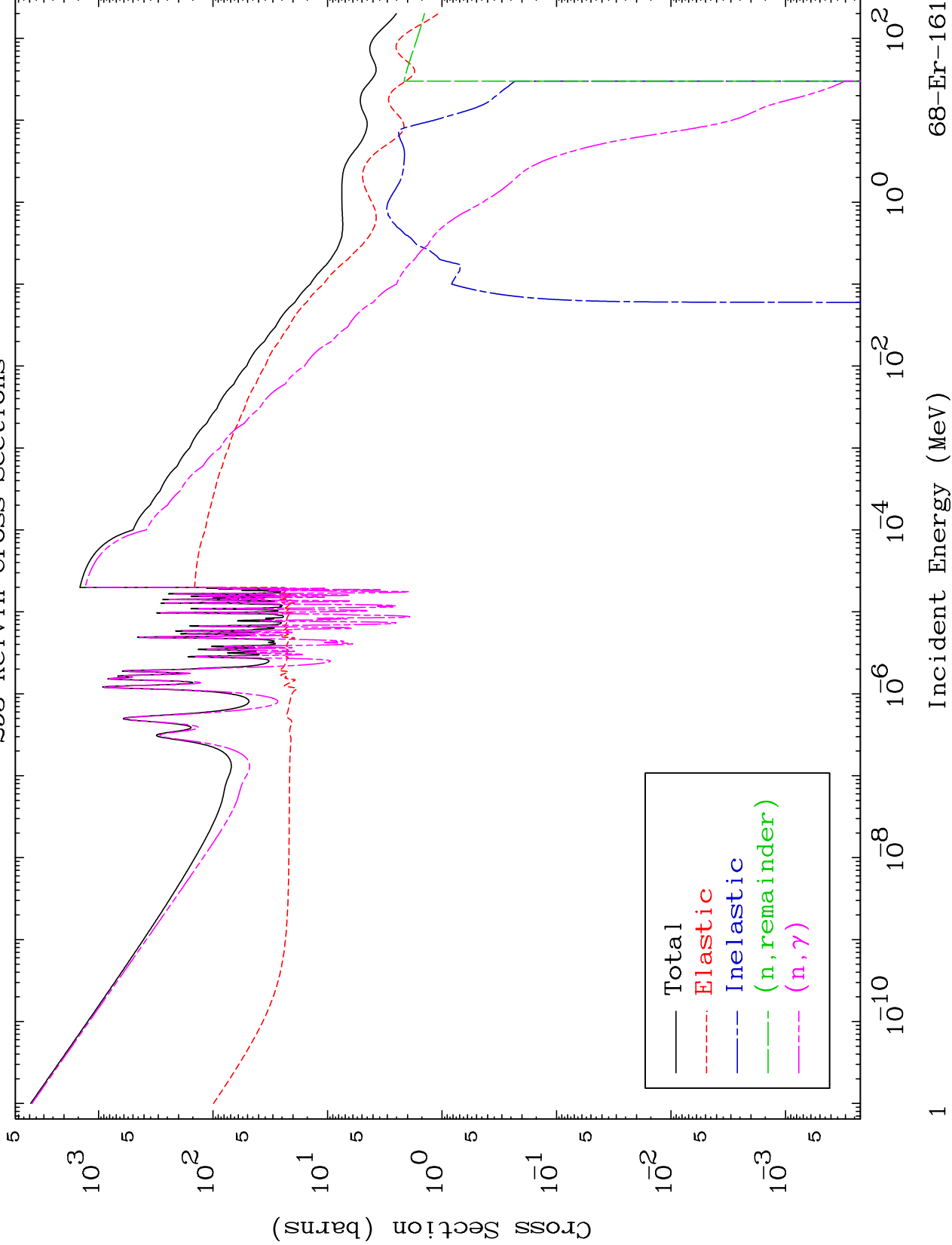
Press Mouse Button to Start

MAT 6822

Major

293 Kelvin Cross Sections

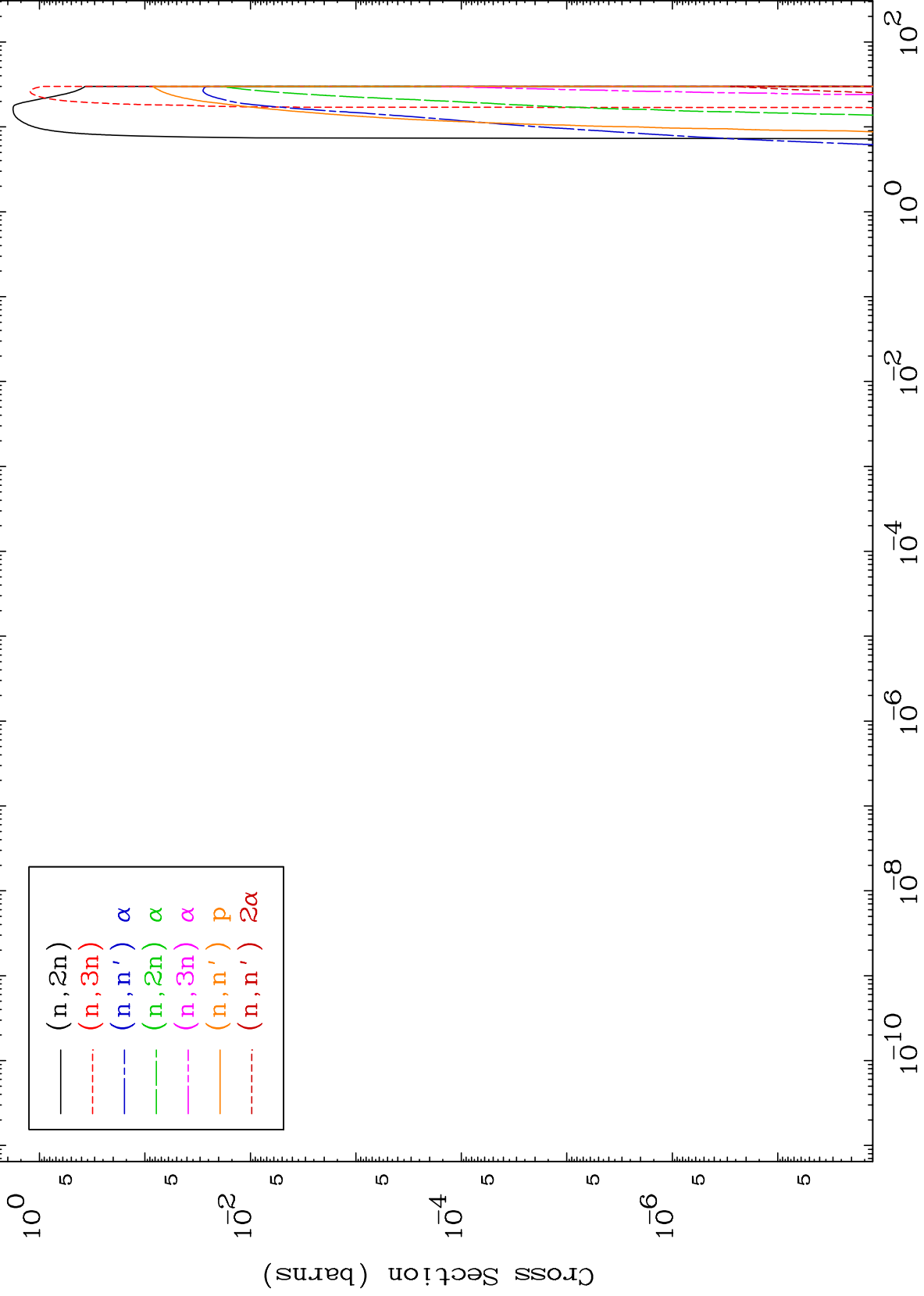
68-Er-161



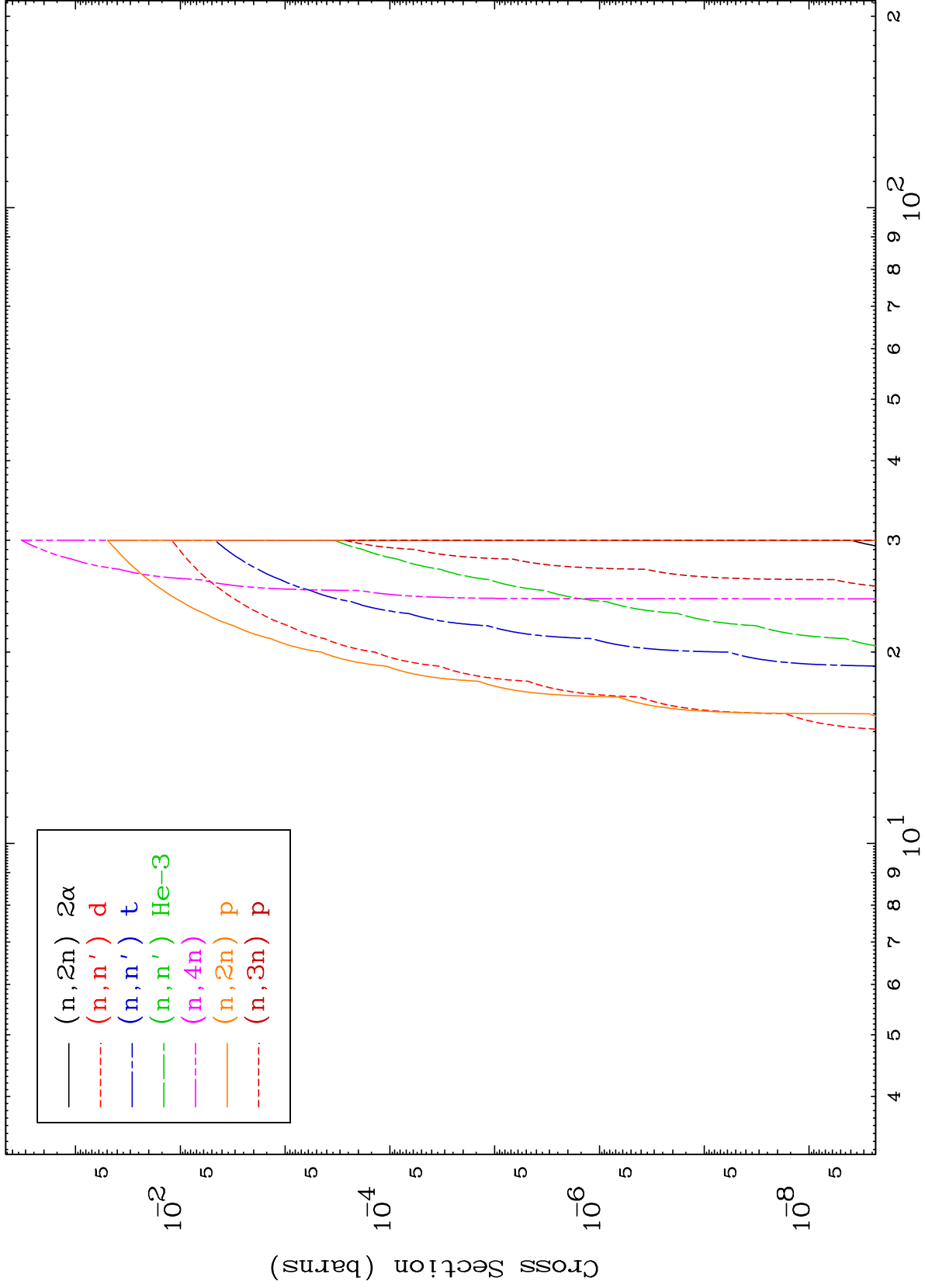
MAT 6822

Neutron Production  
293 Kelvin Cross Sections

68-Er-161



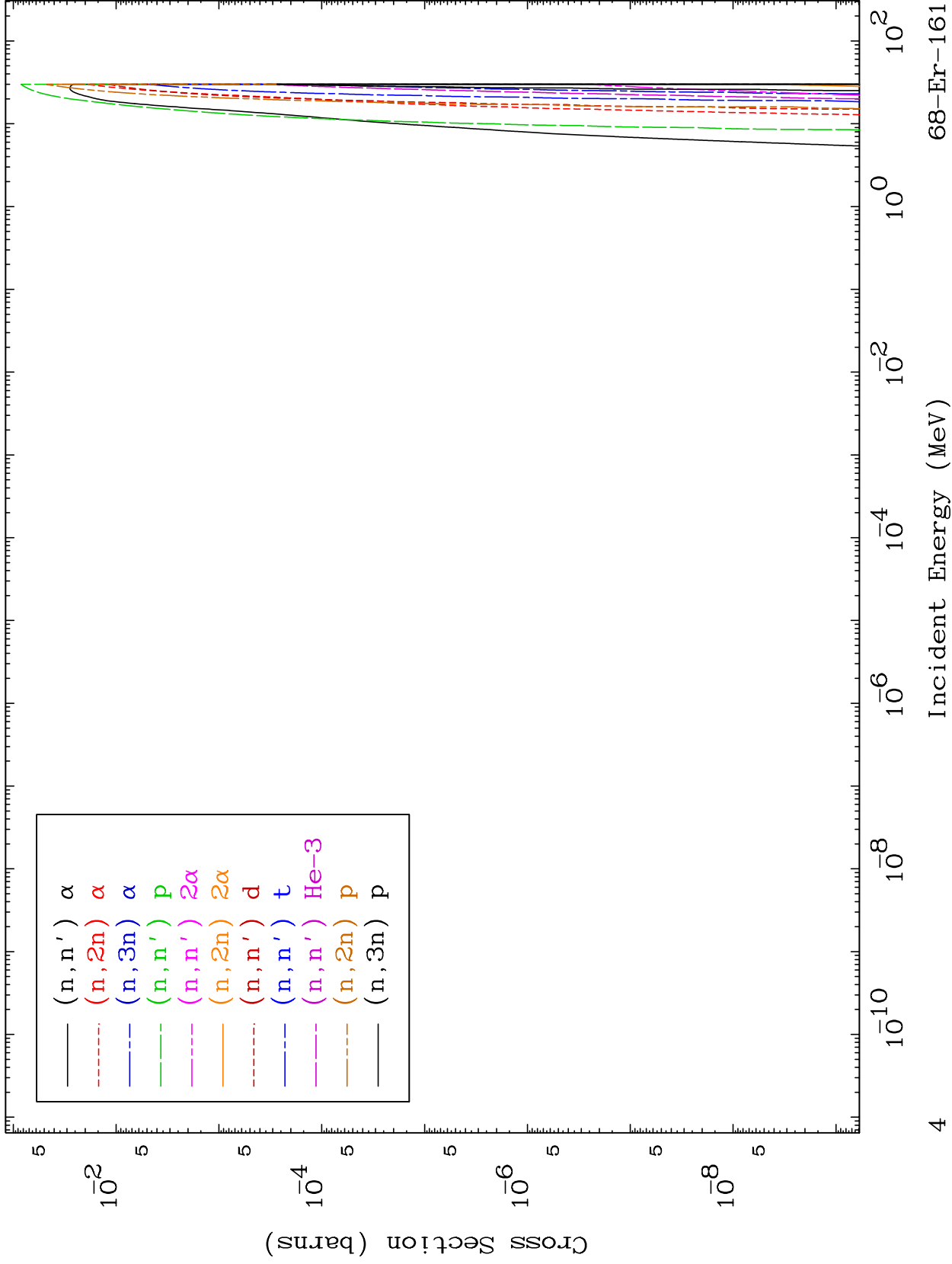
68-Er-161



MAT 6822

Charged Particle  
293 Kelvin Cross Sections

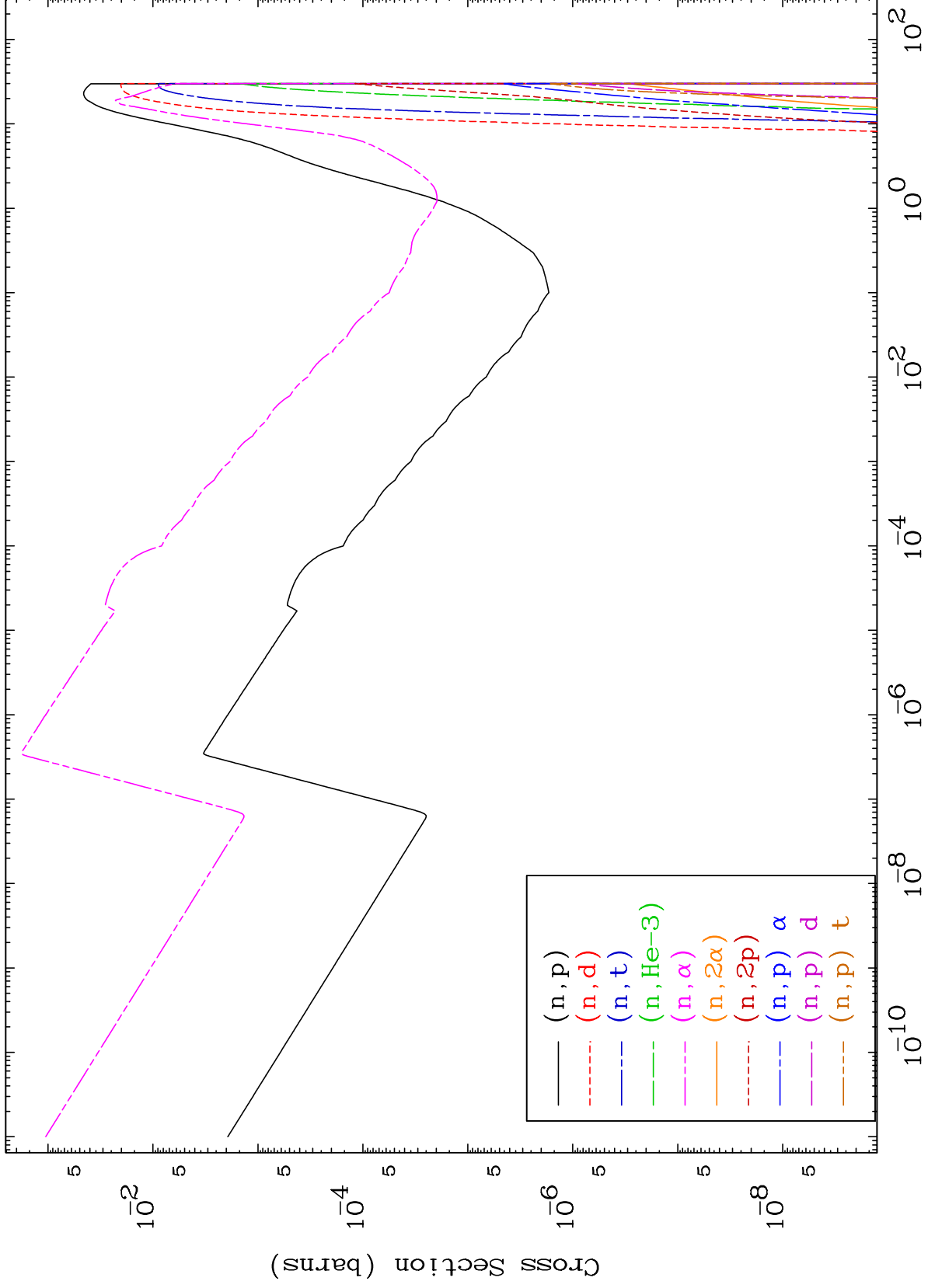
68-Er-161

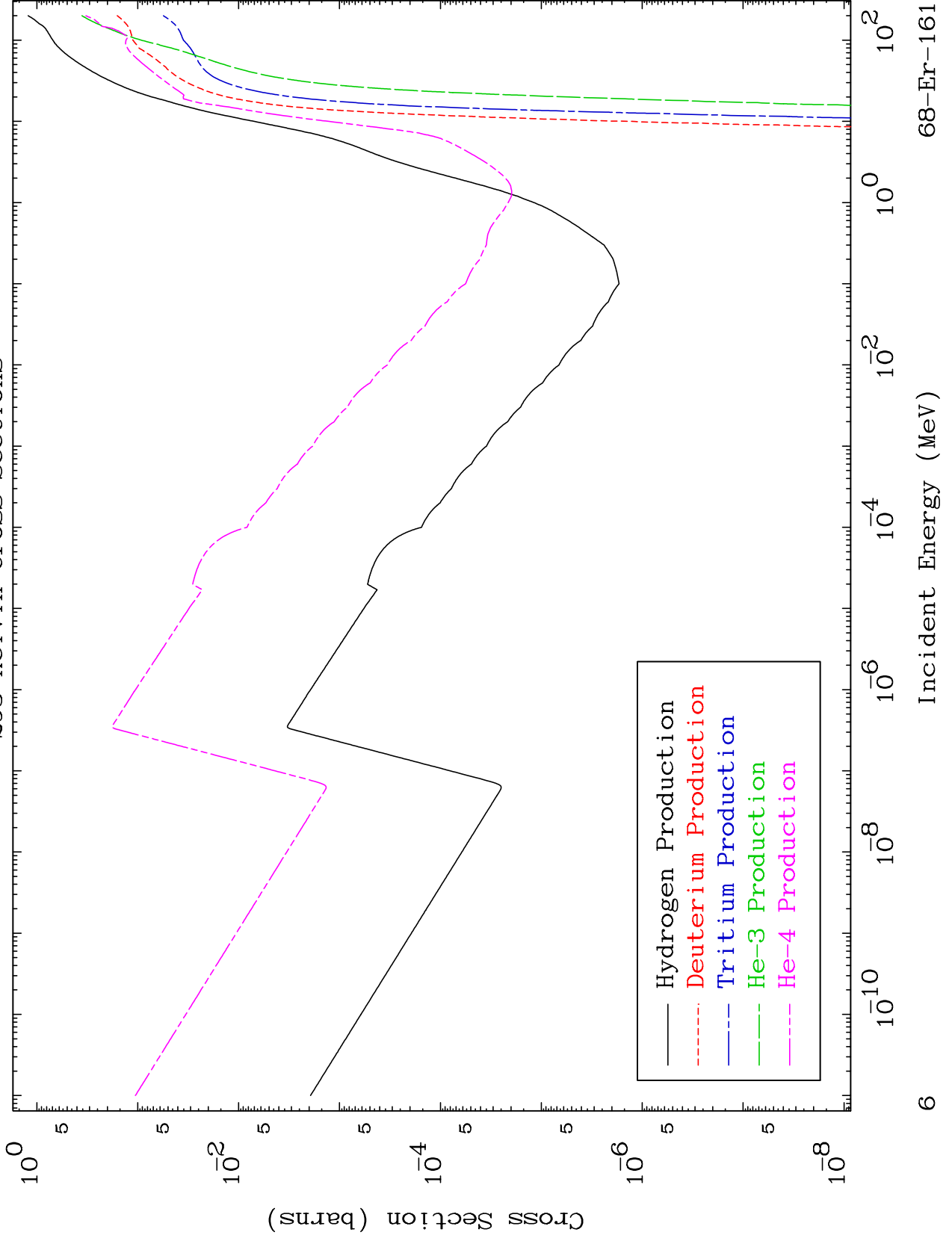


MAT 68222

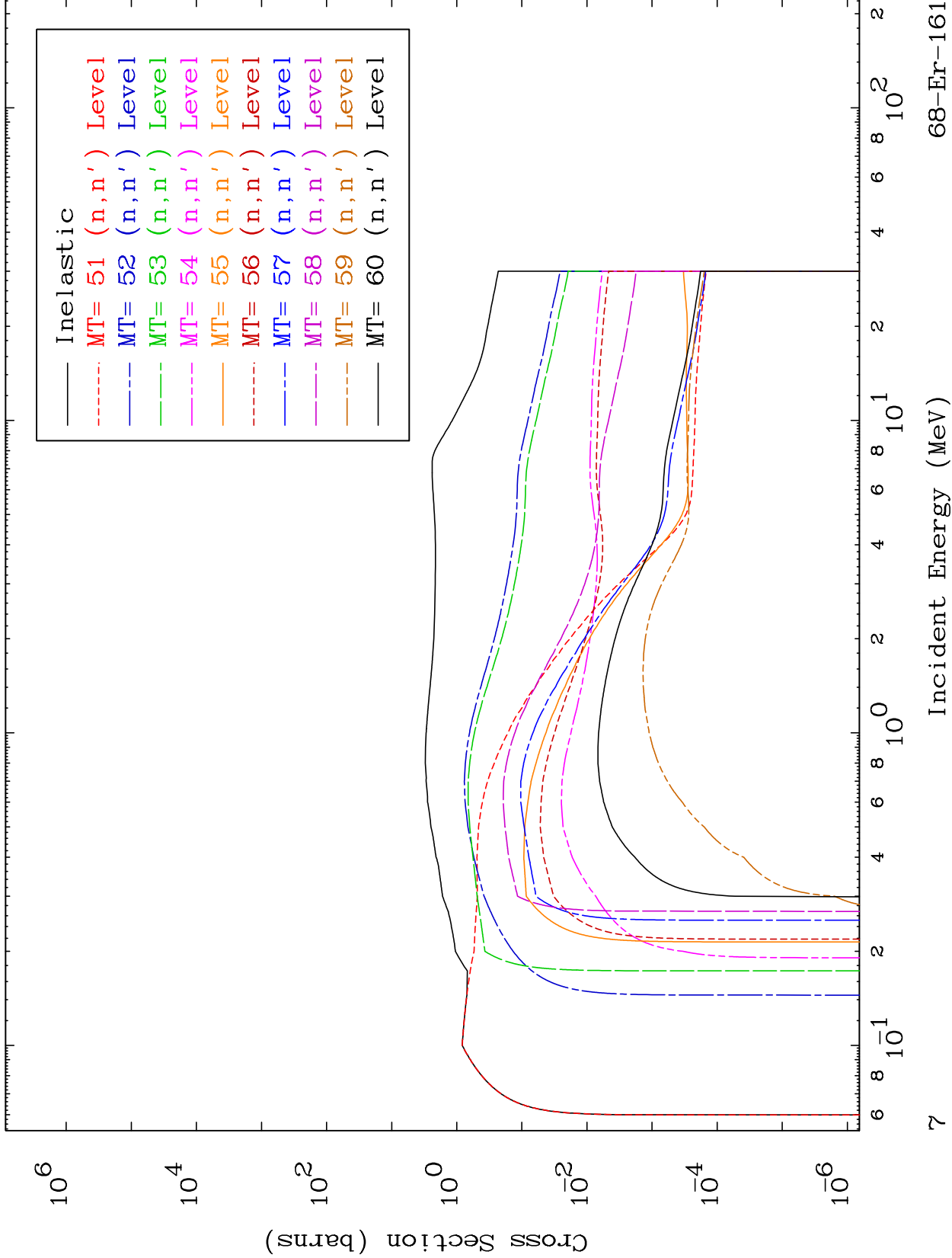
Charged Particle  
293 Kelvin Cross Sections

68-Er-161



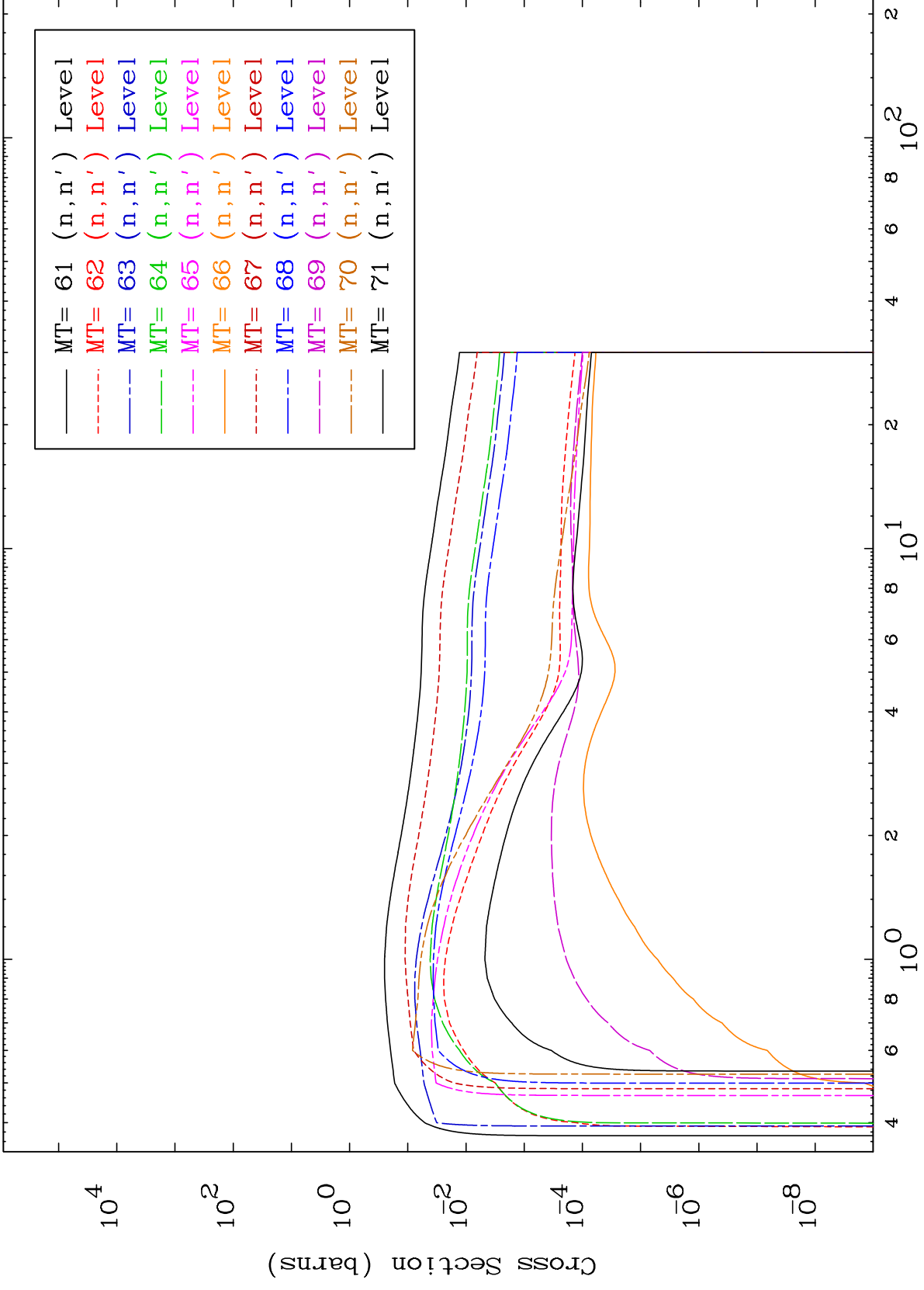


293 Kelvin Cross Sections

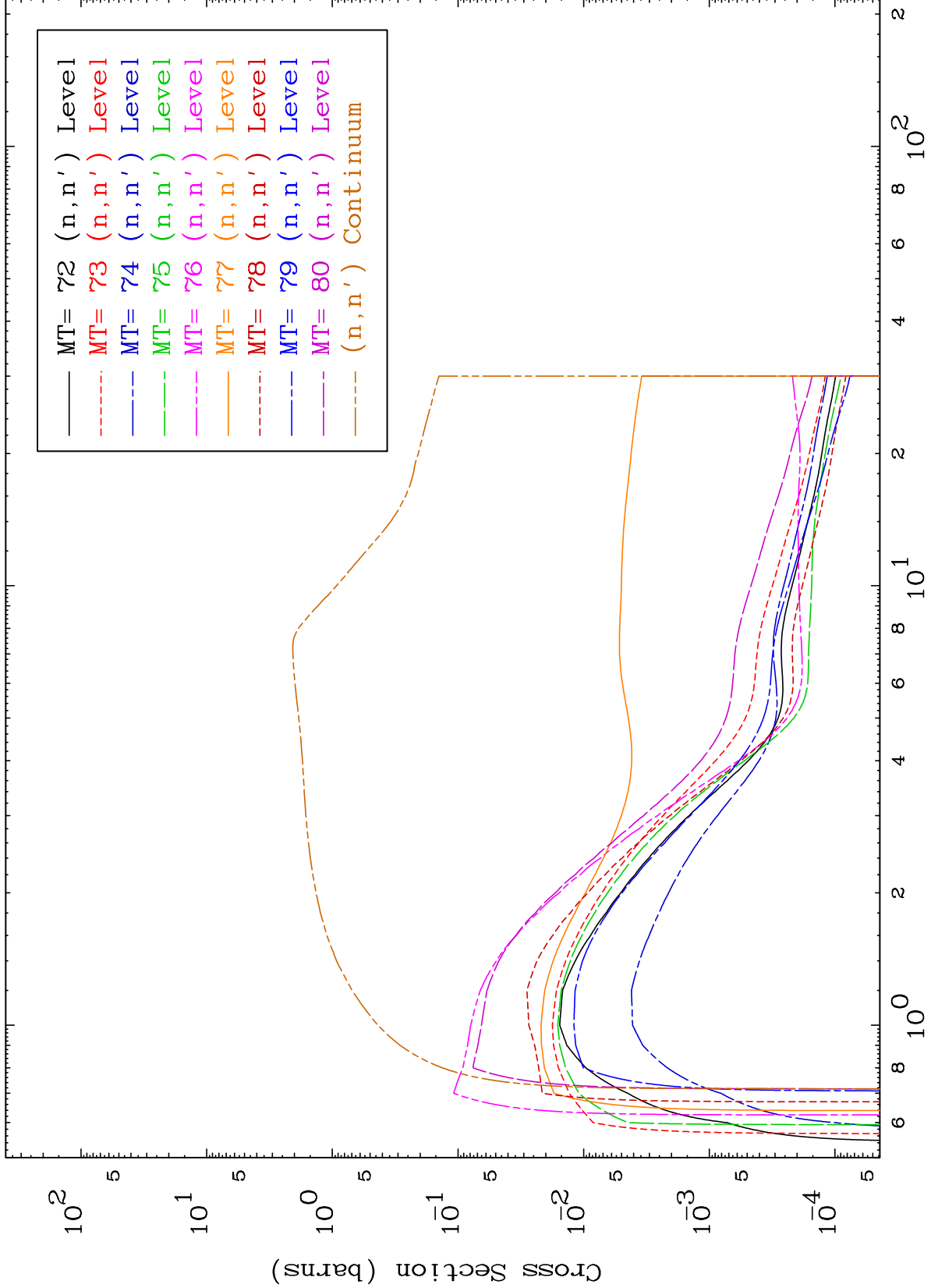




293 Kelvin Cross Sections



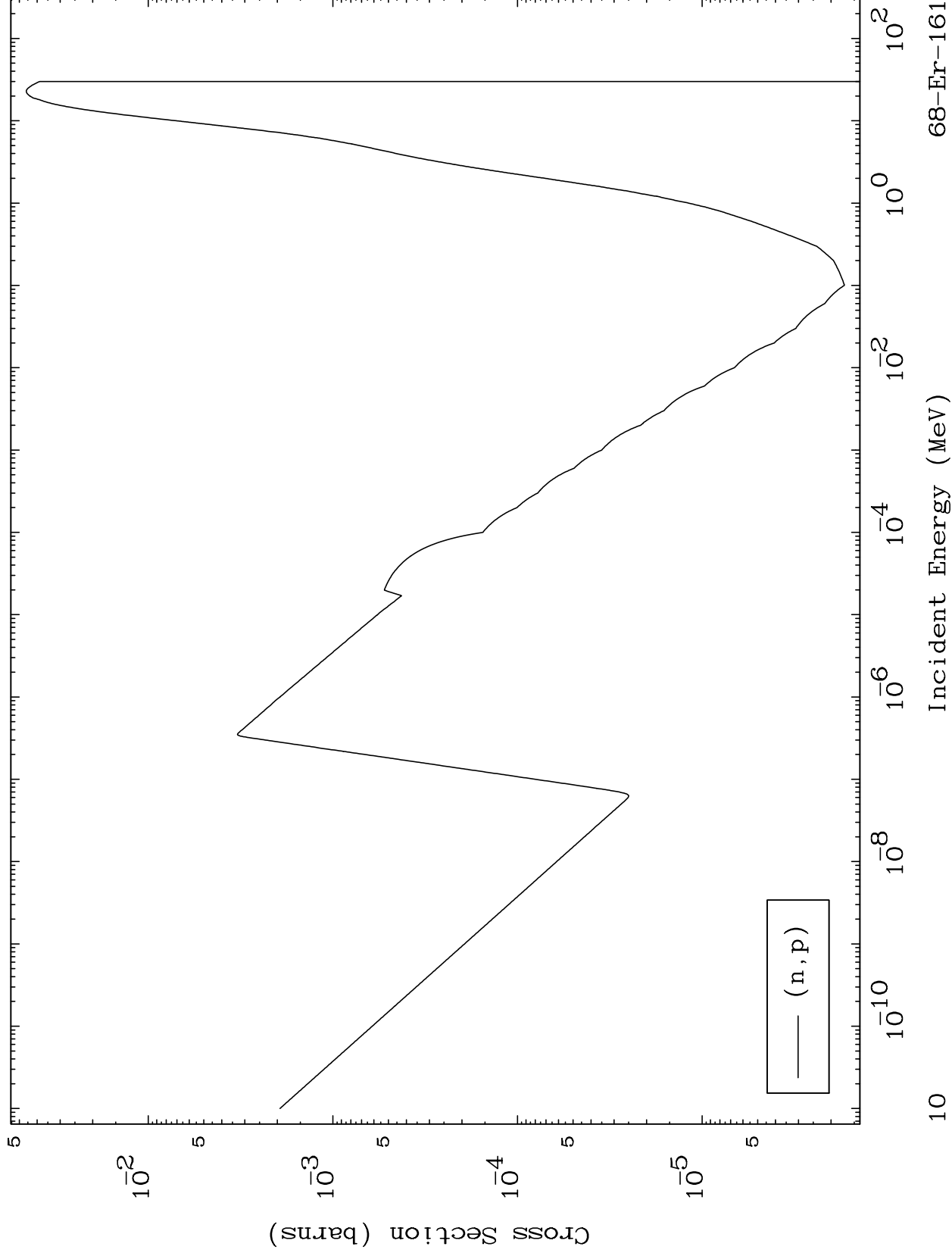
293 Kelvin Cross Sections



MAT 68222

(n,p) Levels  
293 Kelvin Cross Sections

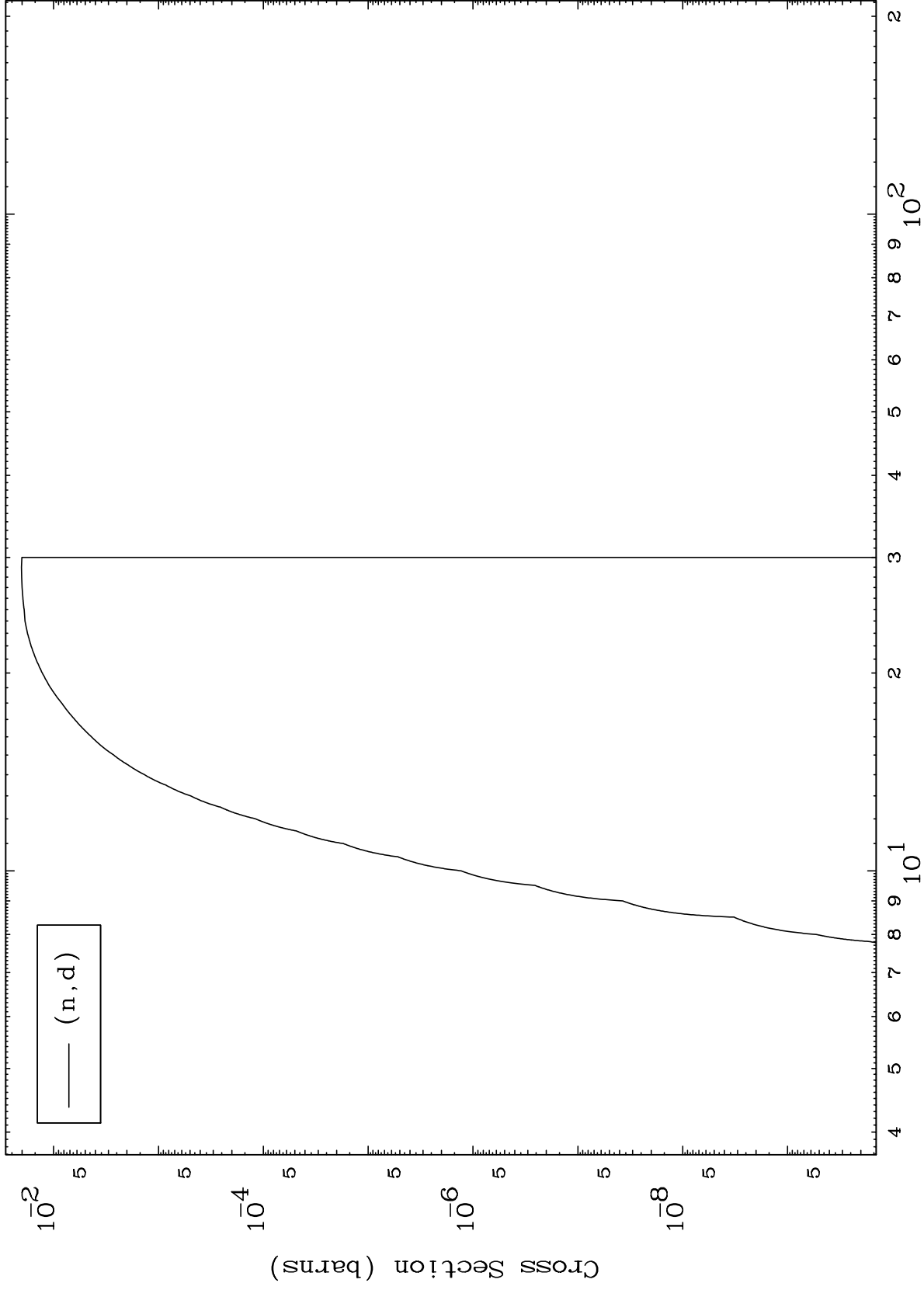
68-Er-161



MAT 6822

(n,d) Levels  
293 Kelvin Cross Sections

68-Er-161



11

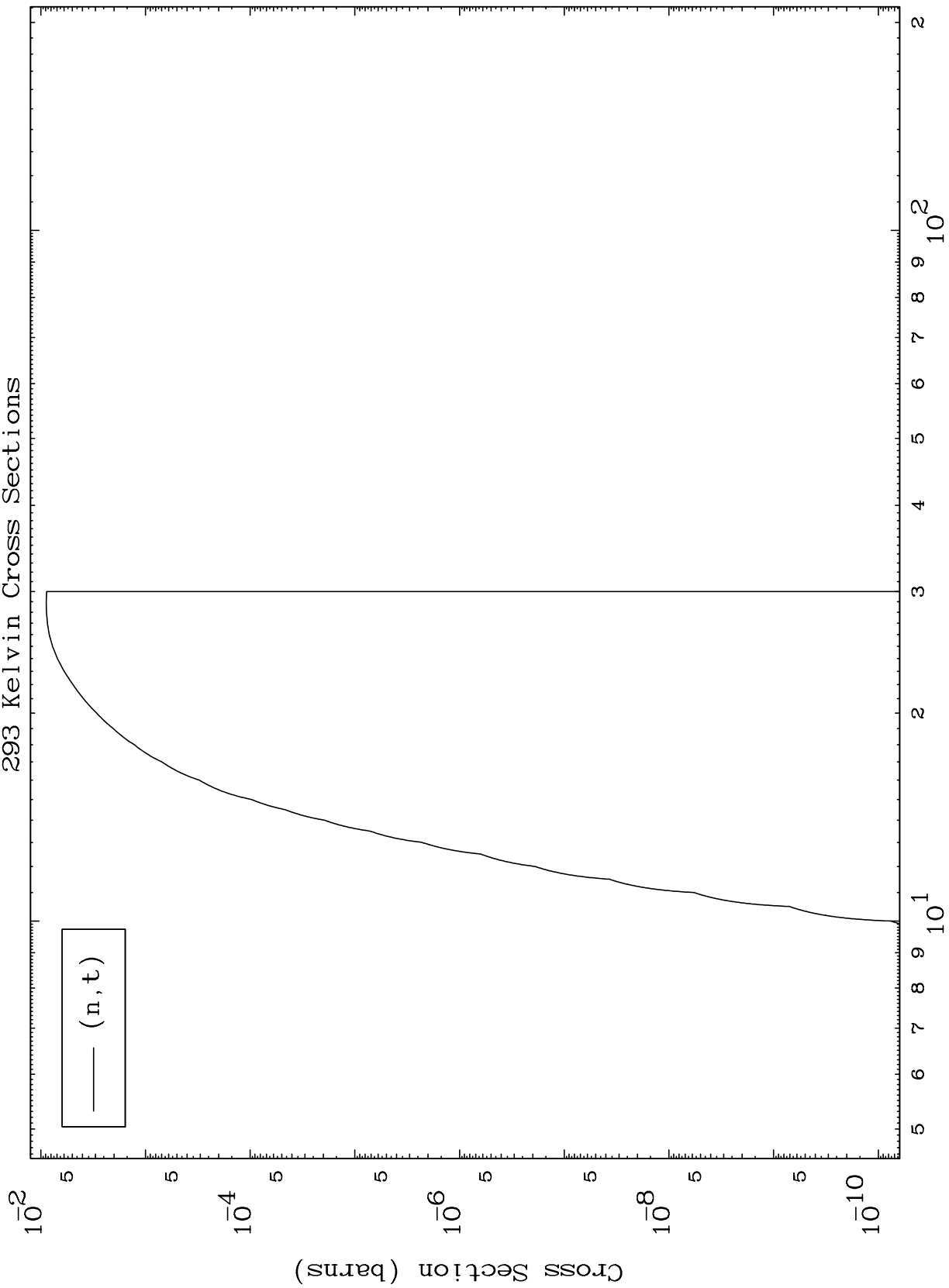
Incident Energy (MeV)

68-Er-161

MAT 6822

68-Er-161

(n,t) Levels  
293 Kelvin Cross Sections



12

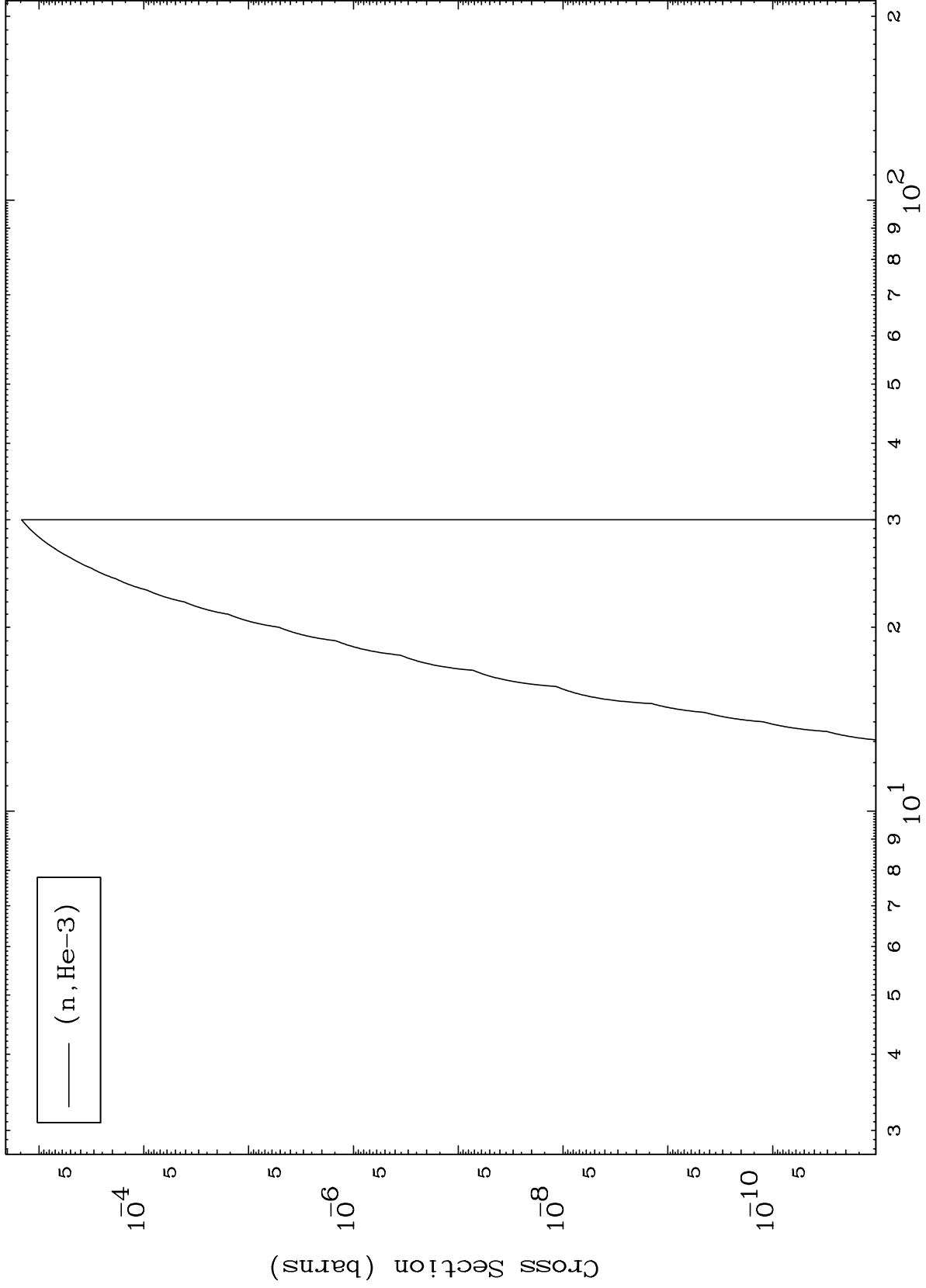
Incident Energy (MeV)

68-Er-161

MAT 68222

(n,He3) Levels  
293 Kelvin Cross Sections

68-Er-161



13

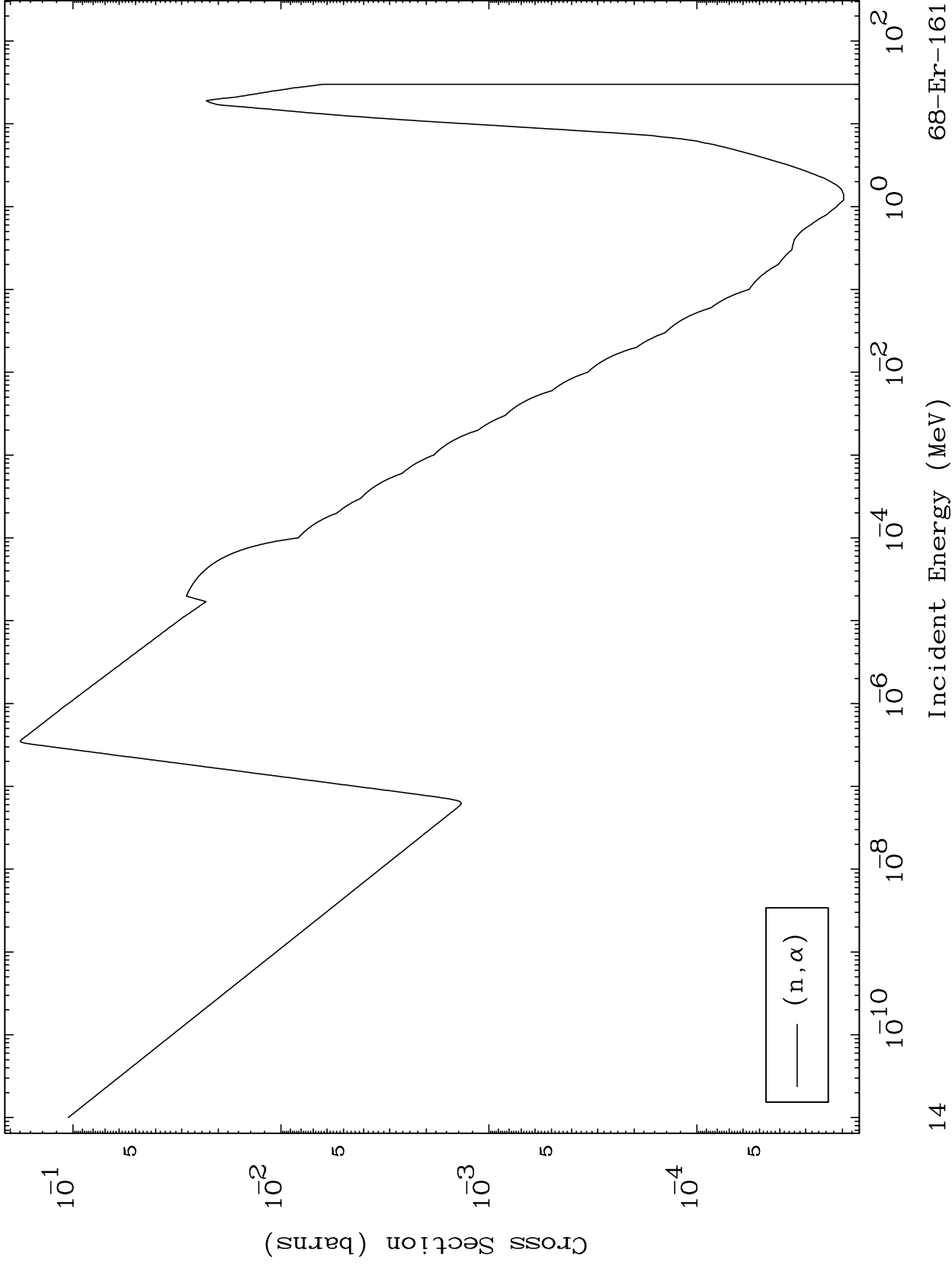
Incident Energy (MeV)

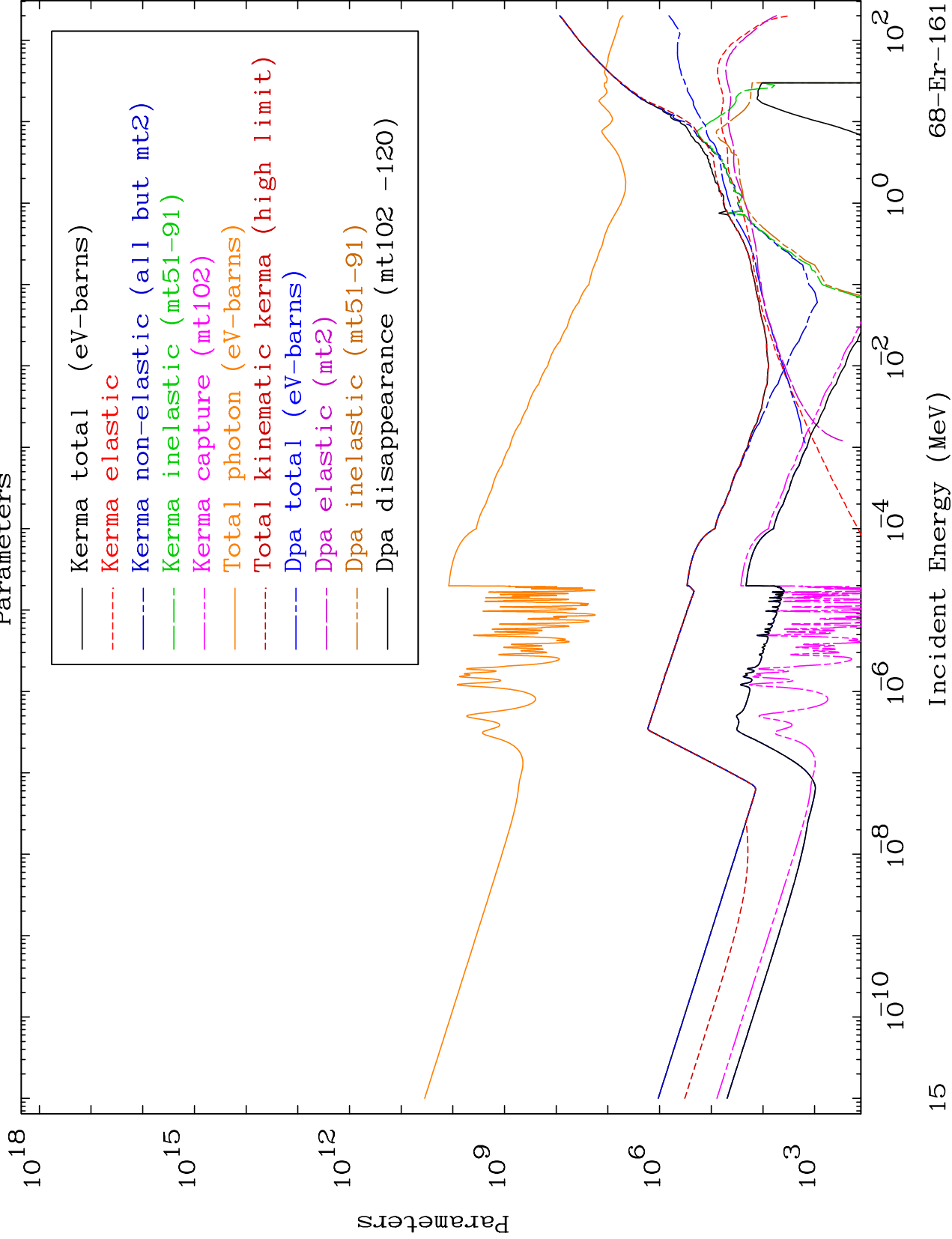
68-Er-161

MAT 68222

(n,α) Levels  
293 Kelvin Cross Sections

68-Er-161



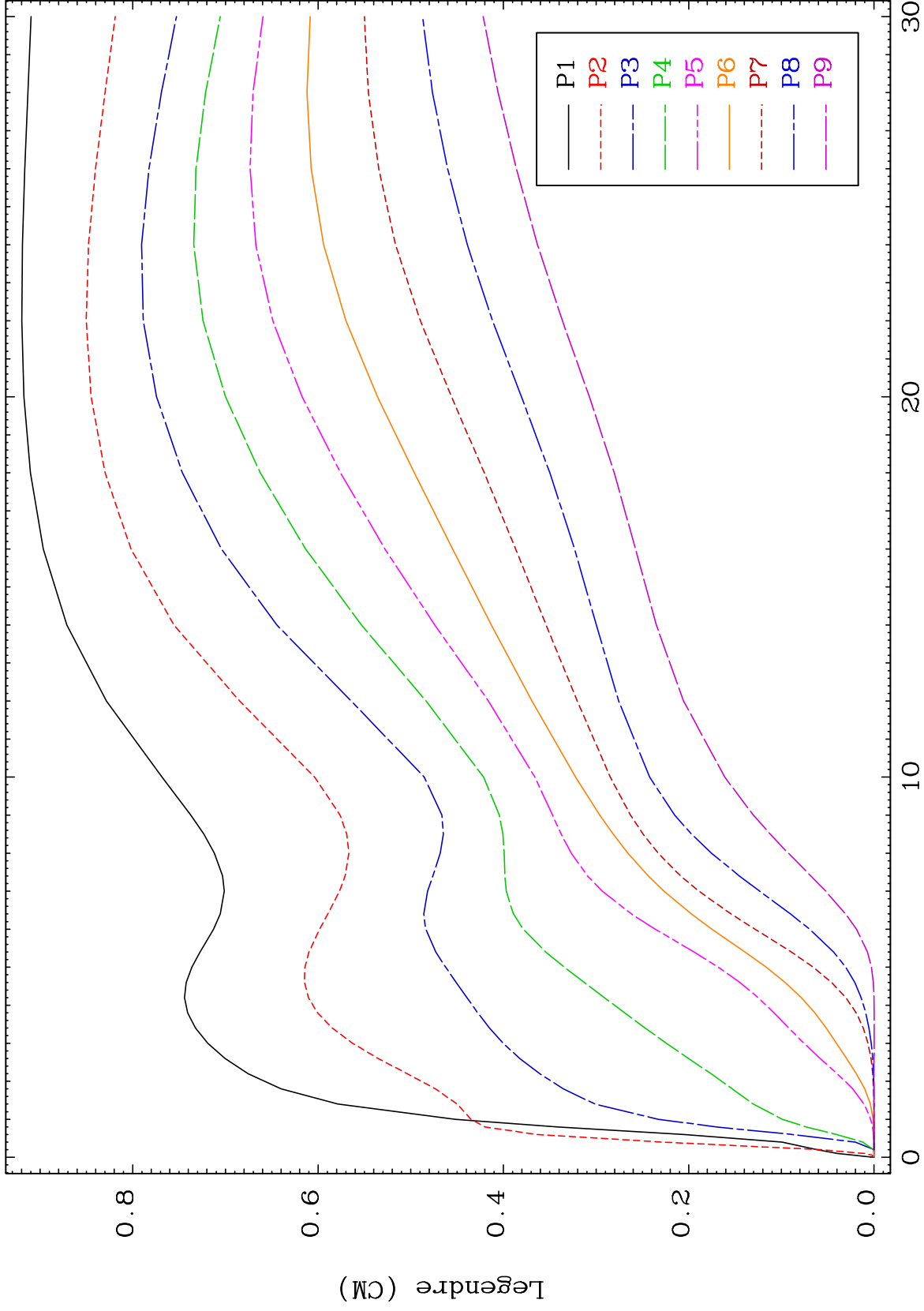




MAT 6822

68-Er-161

Elastic Legendre Coefficients



16

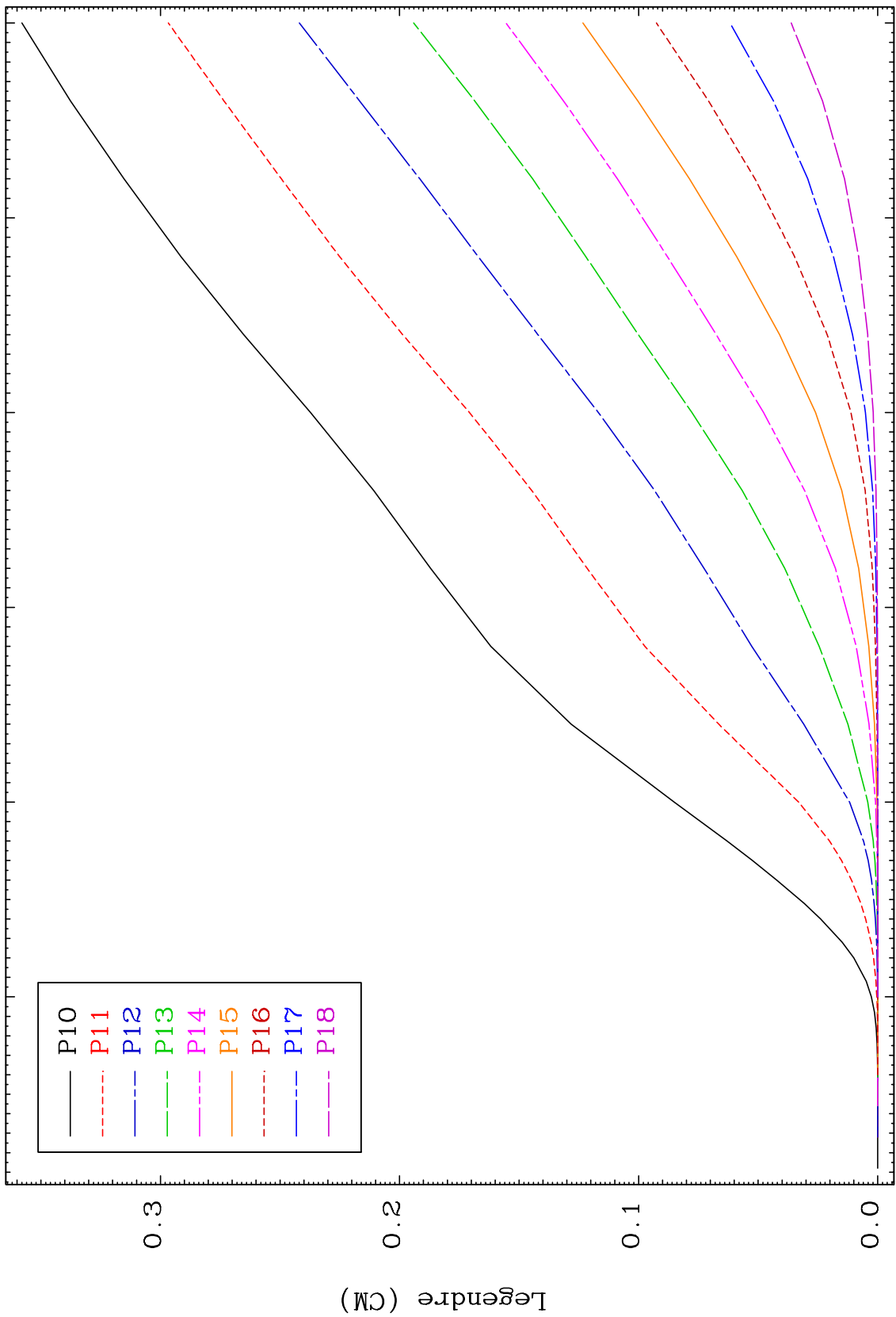
Incident Energy (MeV)

68-Er-161

MAT 6822

Elastic Legendre Coefficients

68-Er-161



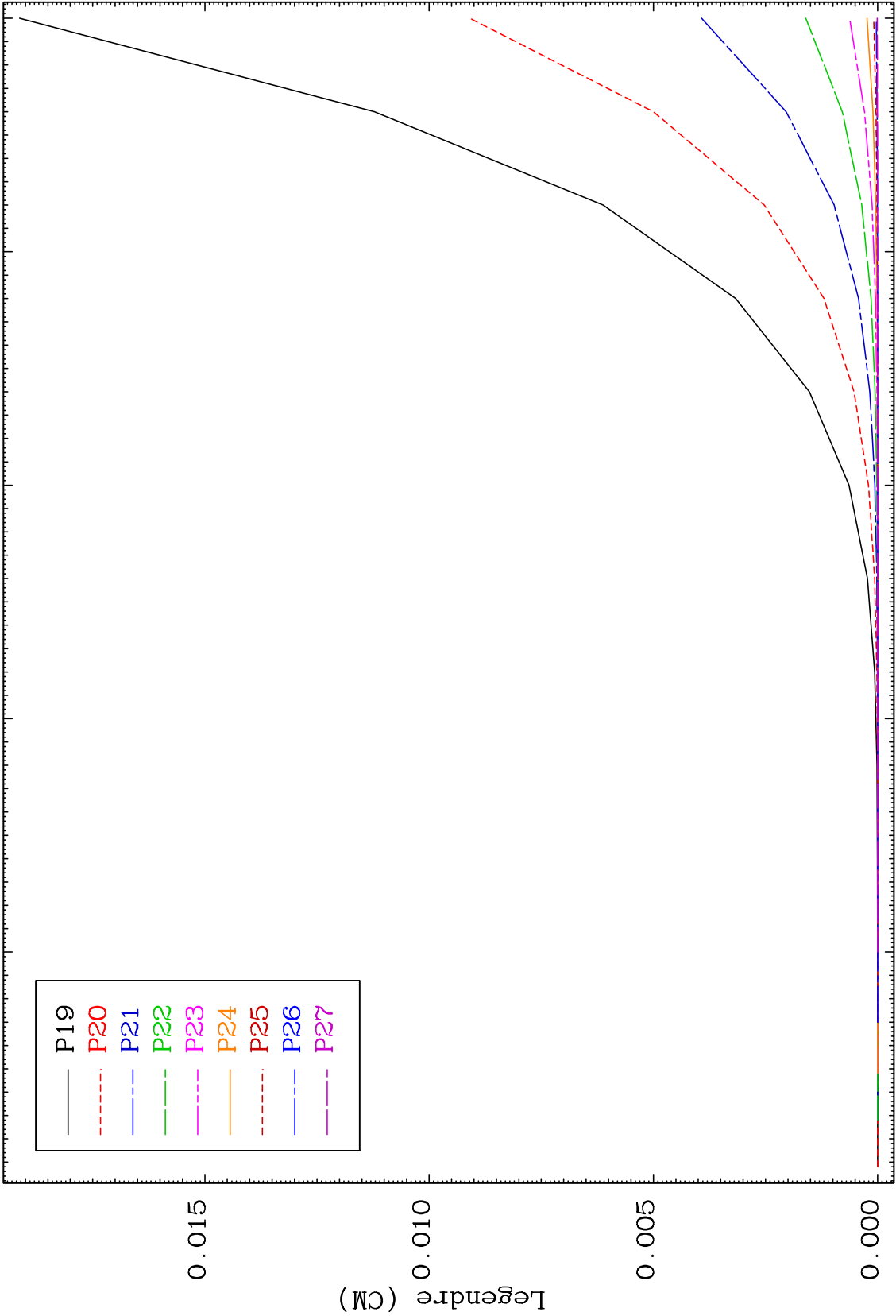
17

68-Er-161

MAT 68222

Elastic Legendre Coefficients

68-Er-161



- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

18

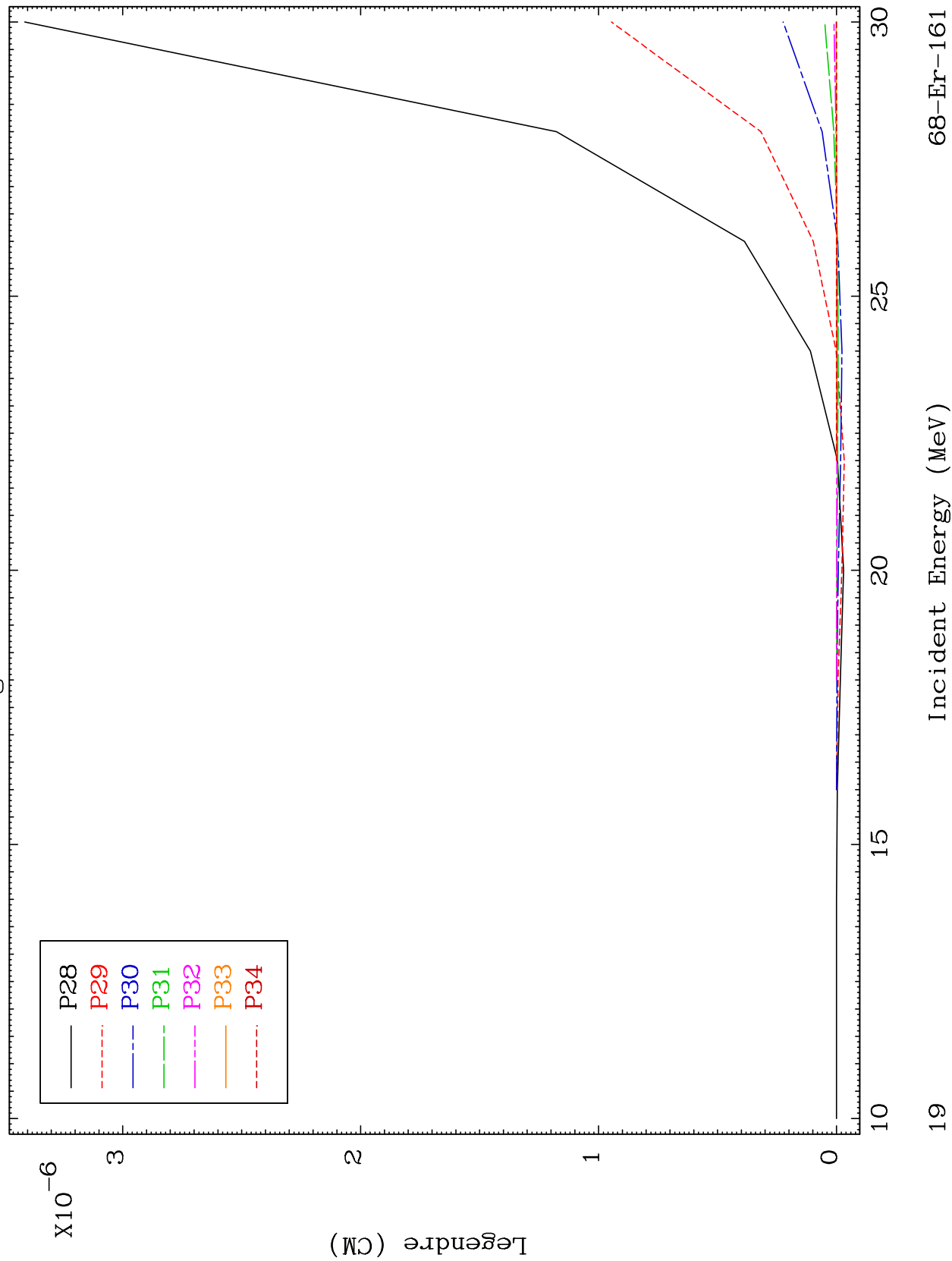
Incident Energy (MeV)

68-Er-161

MAT 68222

Elastic Legendre Coefficients

68-Er-161



19

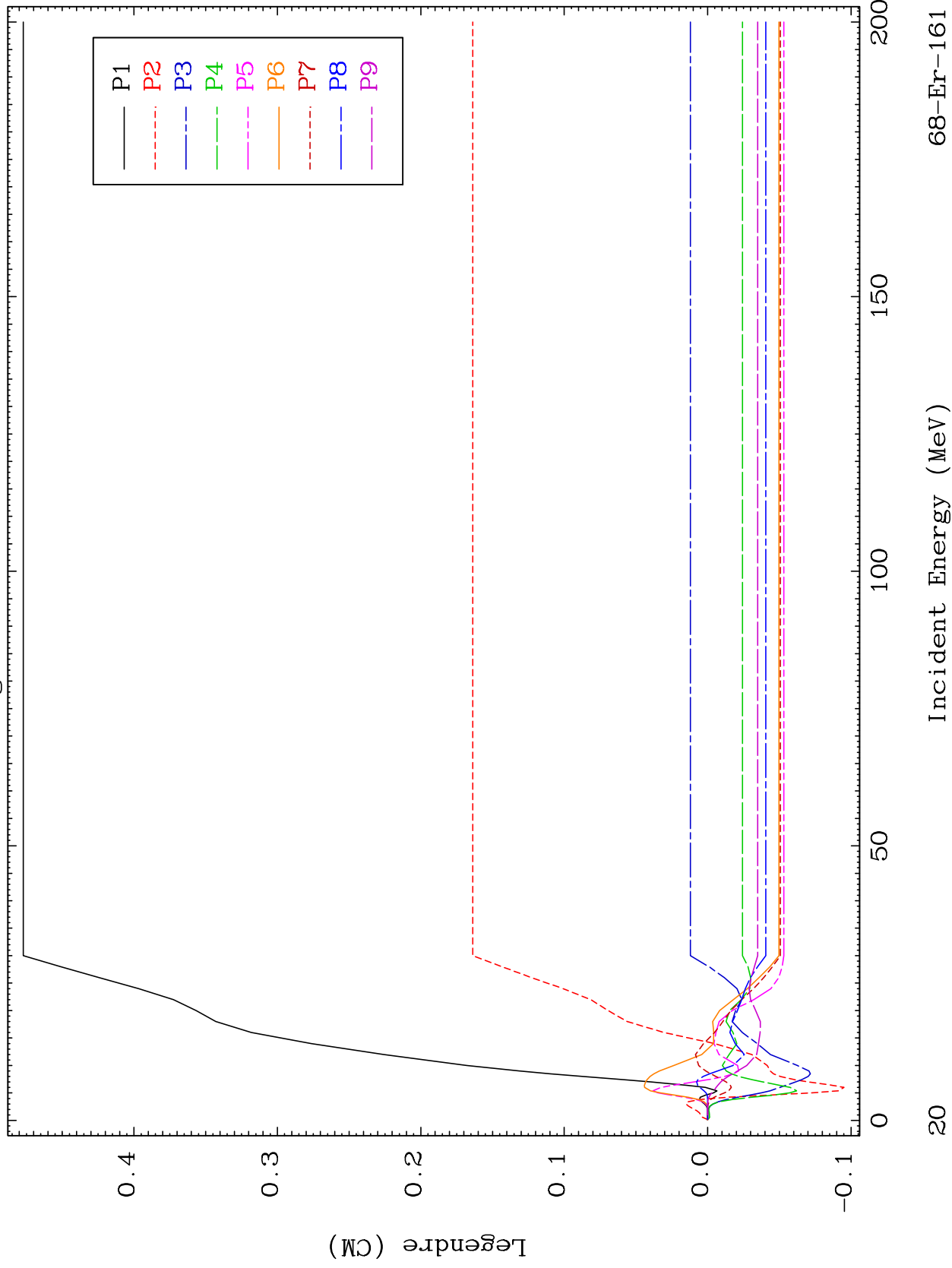
Incident Energy (MeV)

68-Er-161

MAT 6822

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

68-Er-161



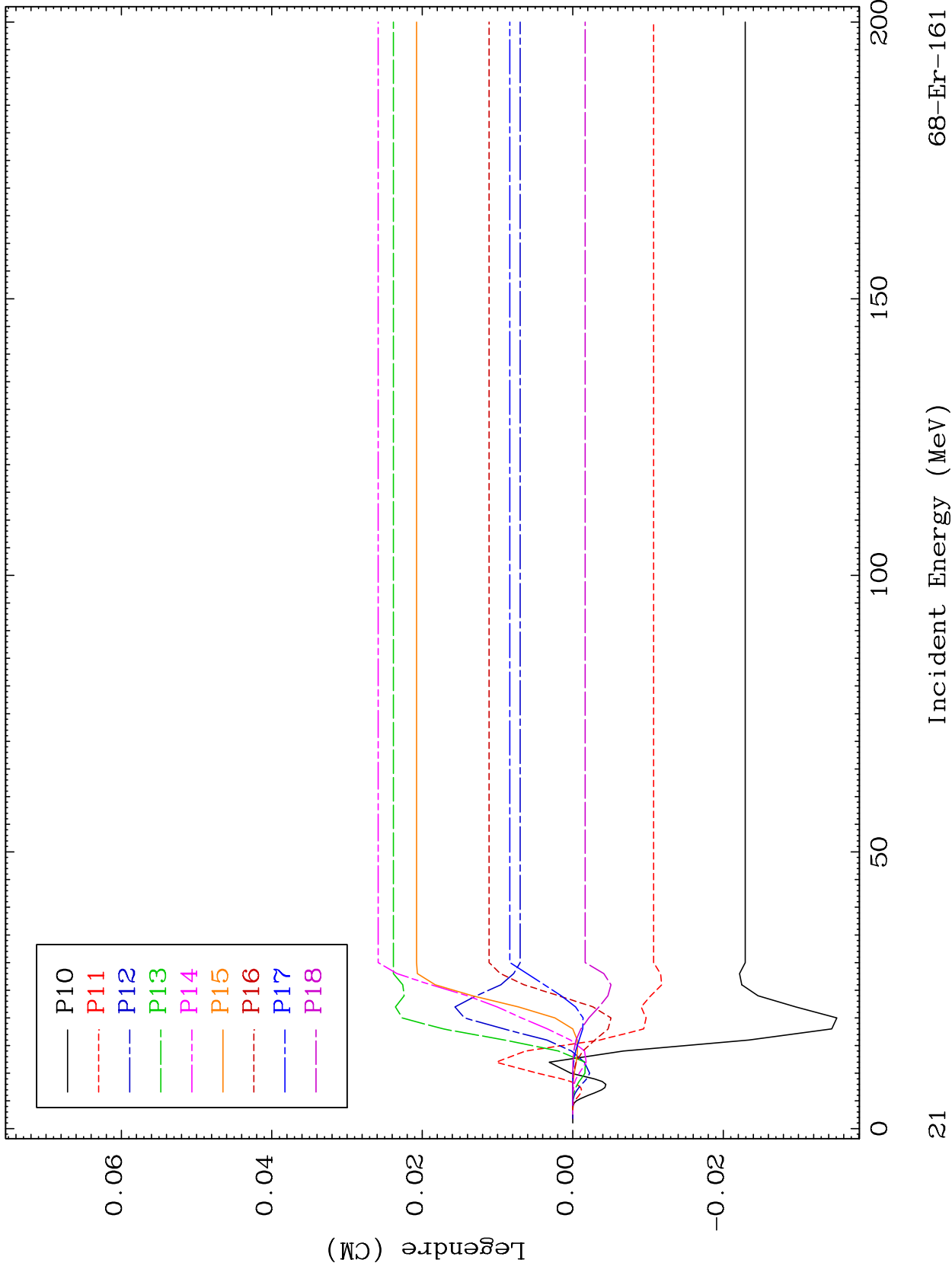
68-Er-161

Incident Energy (MeV)

MAT 68222

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

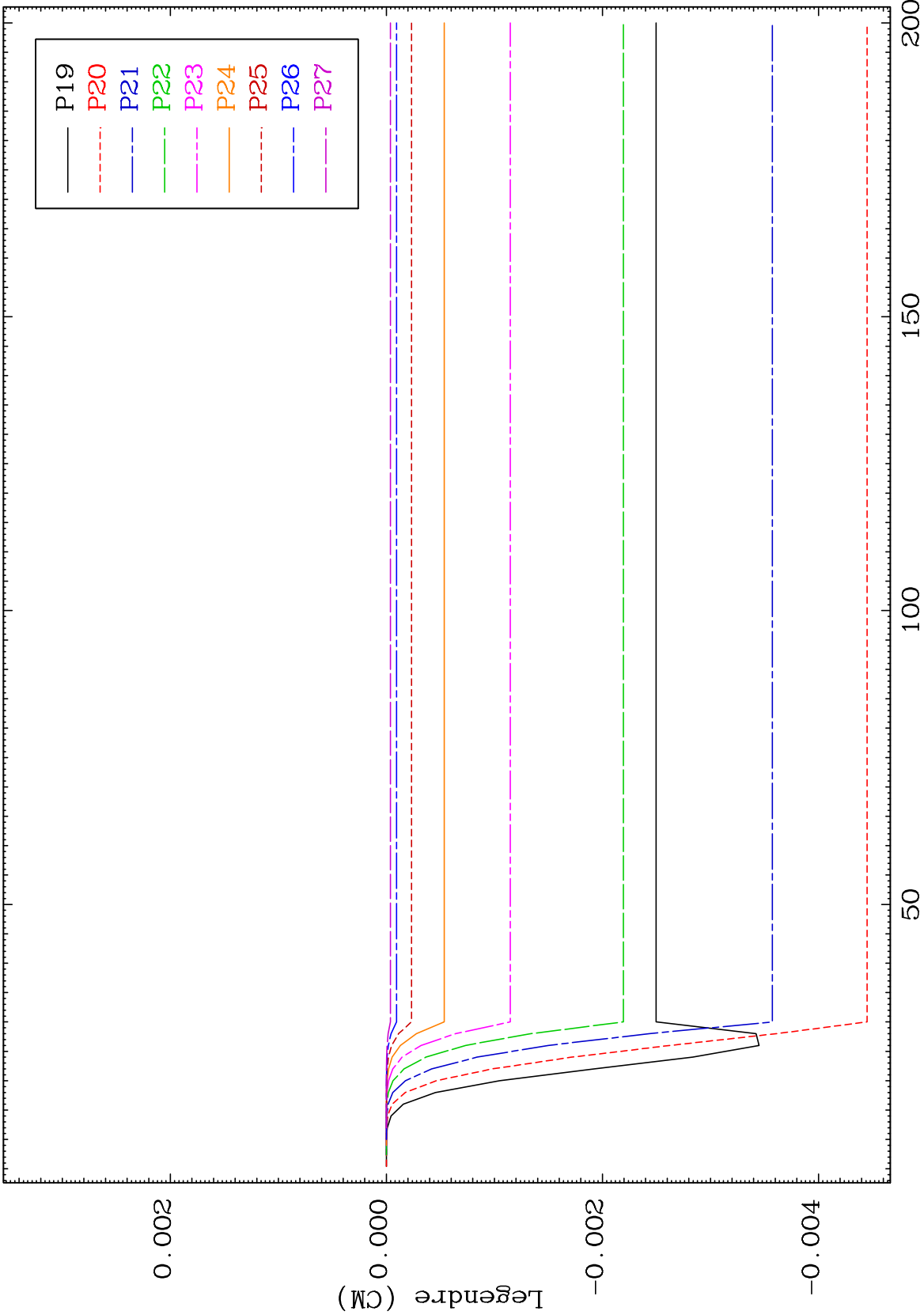
68-Er-161

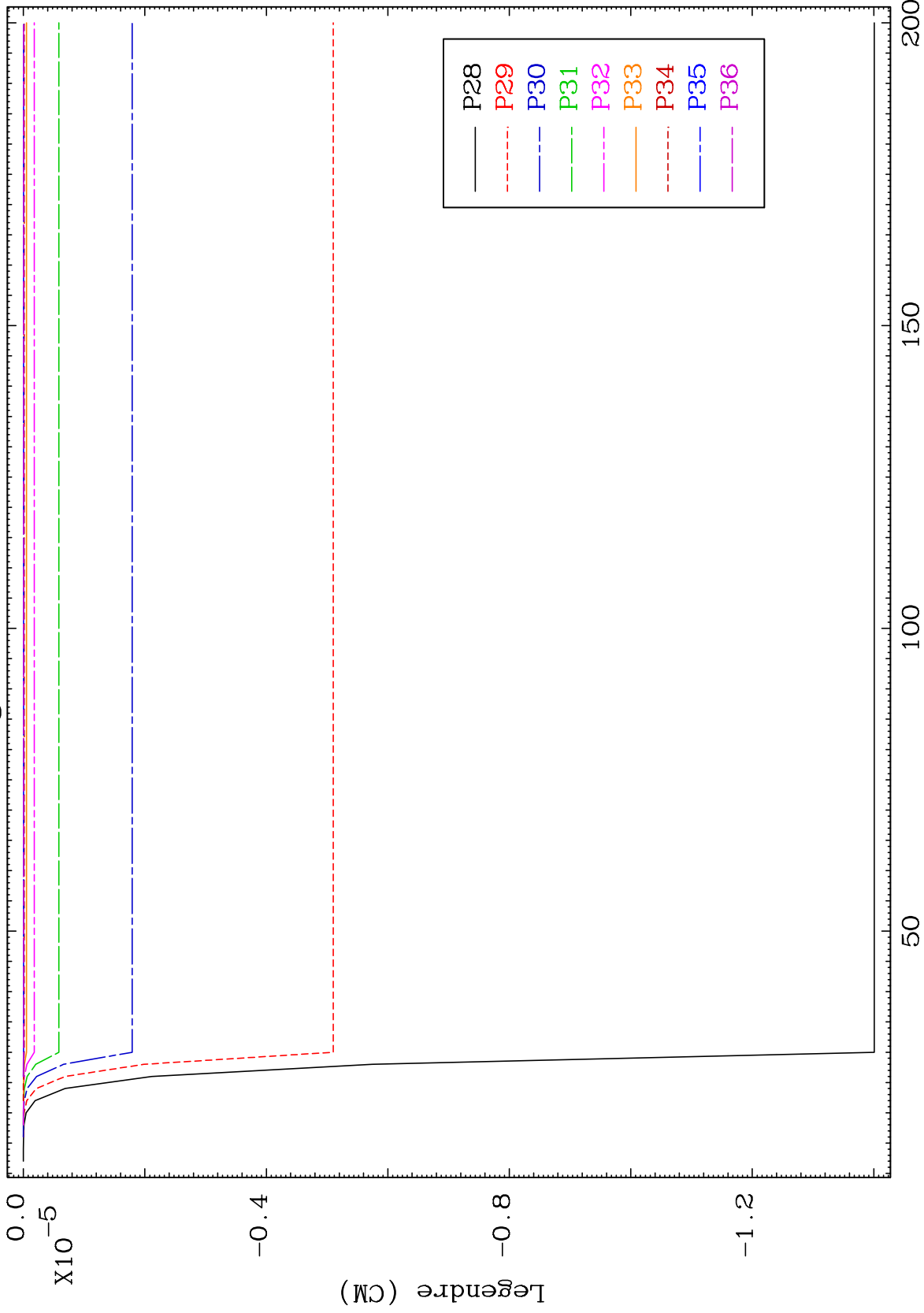


68-Er-161

Incident Energy (MeV)

21



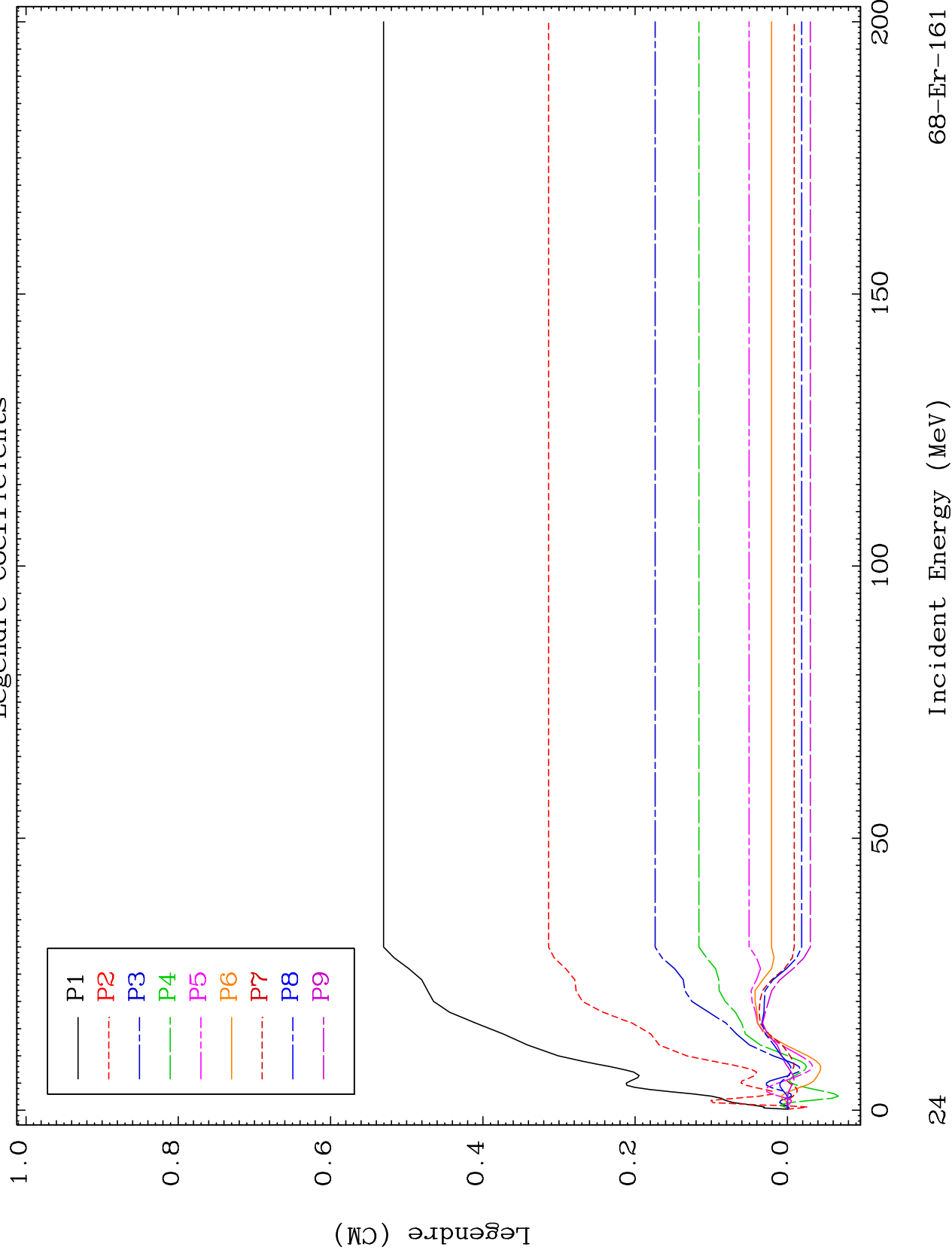




MAT 68222

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

68-Er-161



68-Er-161

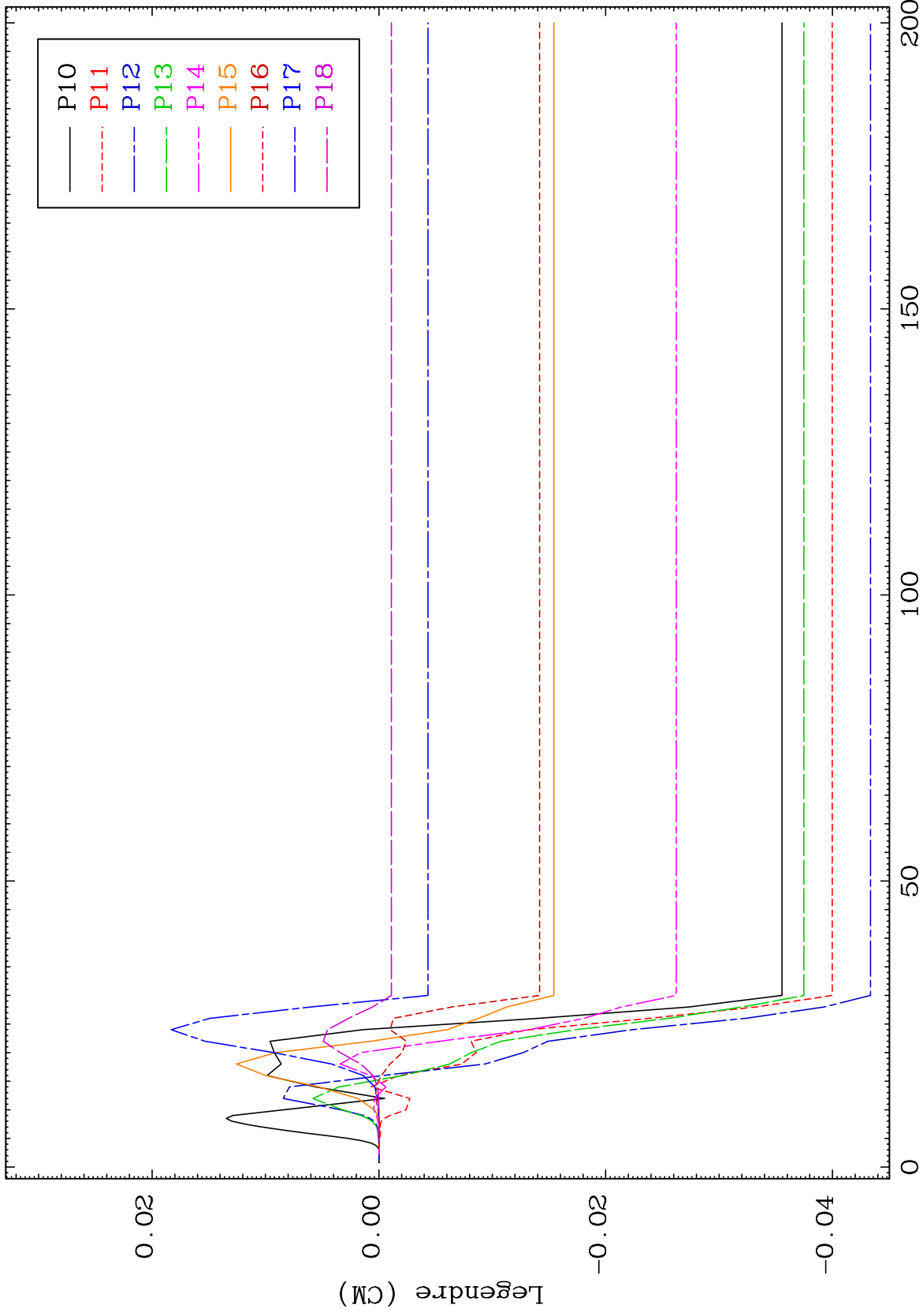
Incident Energy (MeV)

24

MAT 6822

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

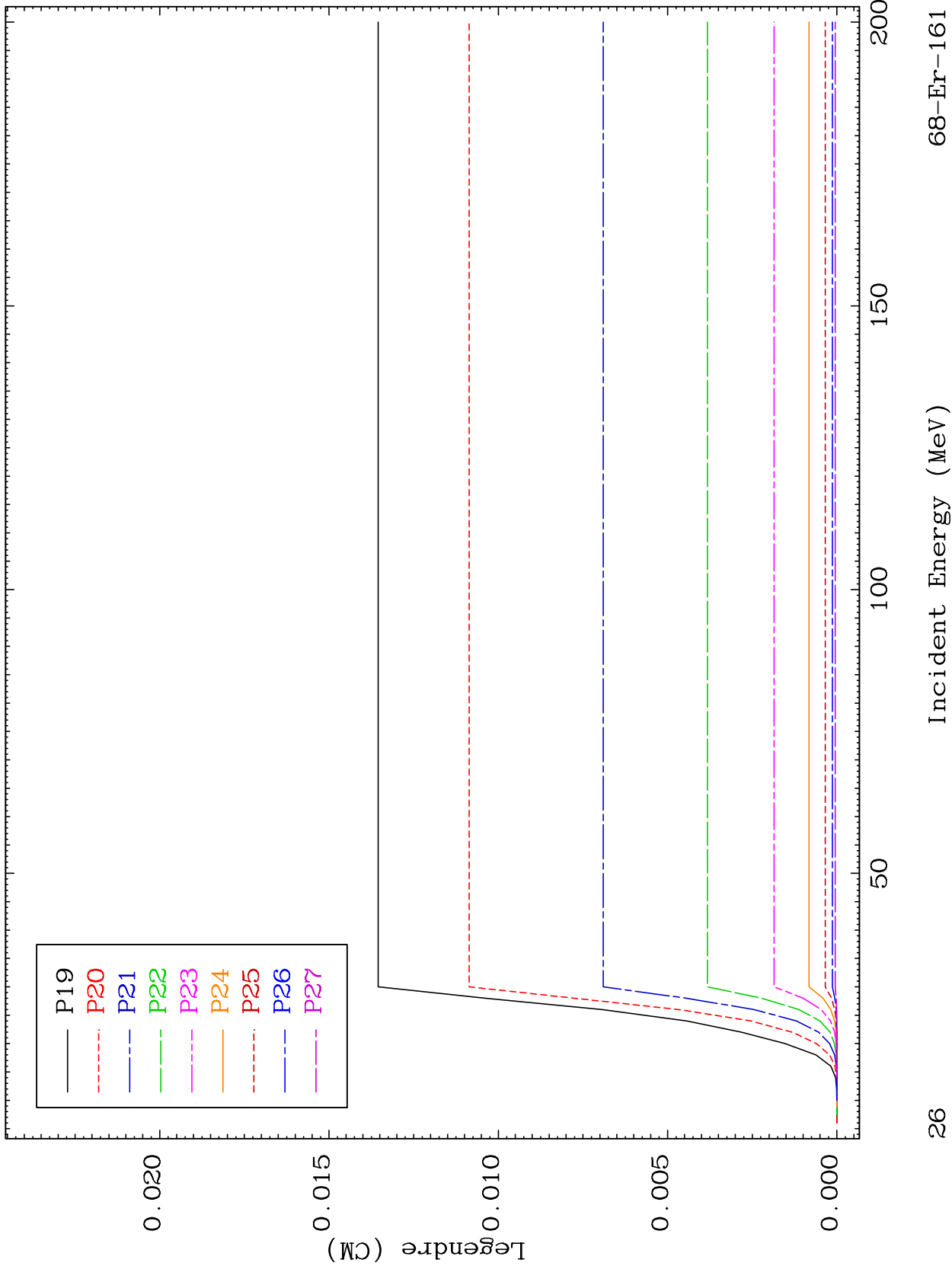
68-Er-161

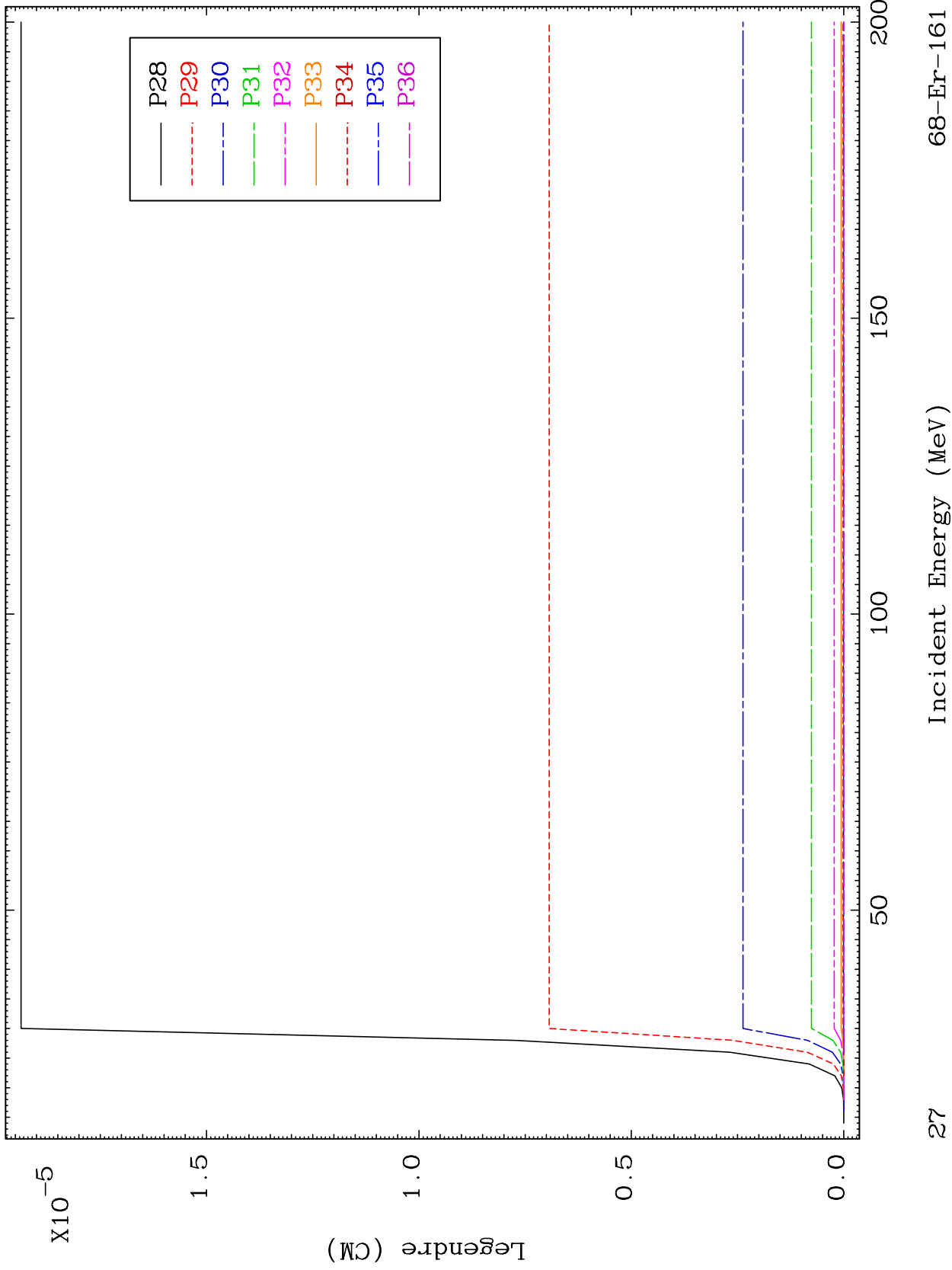


25

Incident Energy (MeV)

68-Er-161

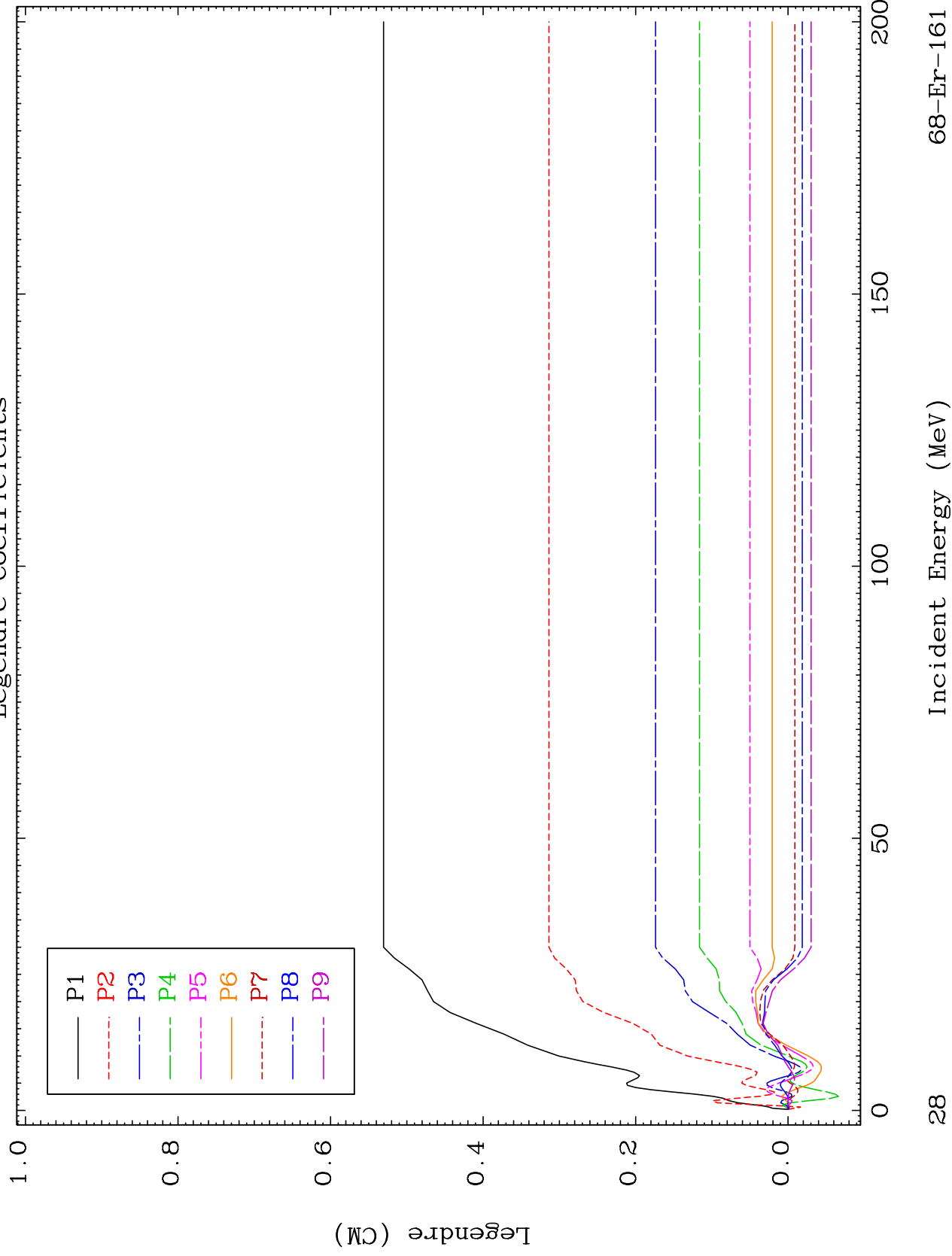




MAT 68222

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

68-Er-161



28

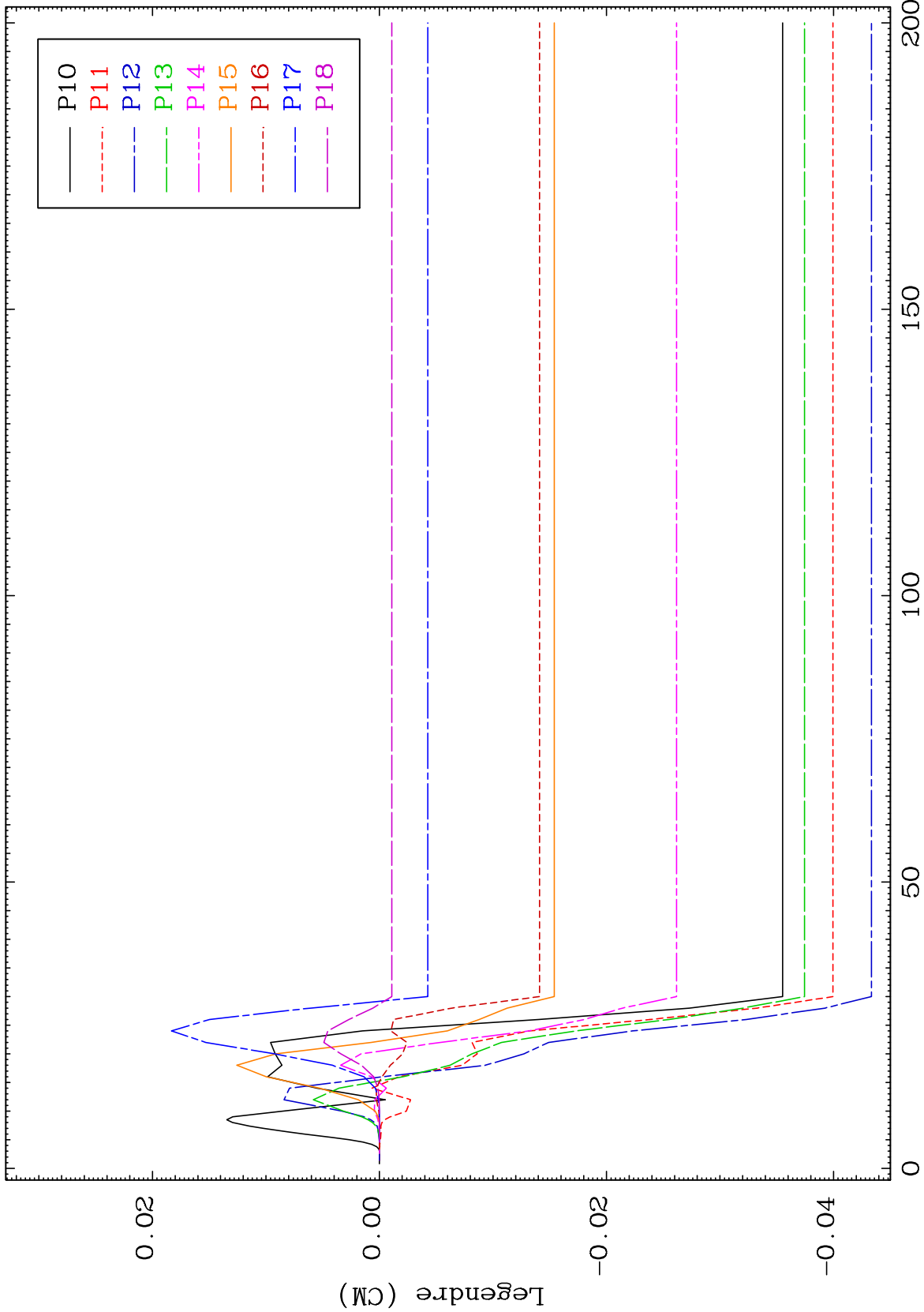
Incident Energy (MeV)

68-Er-161

MAT 6822

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

68-Er-161



29

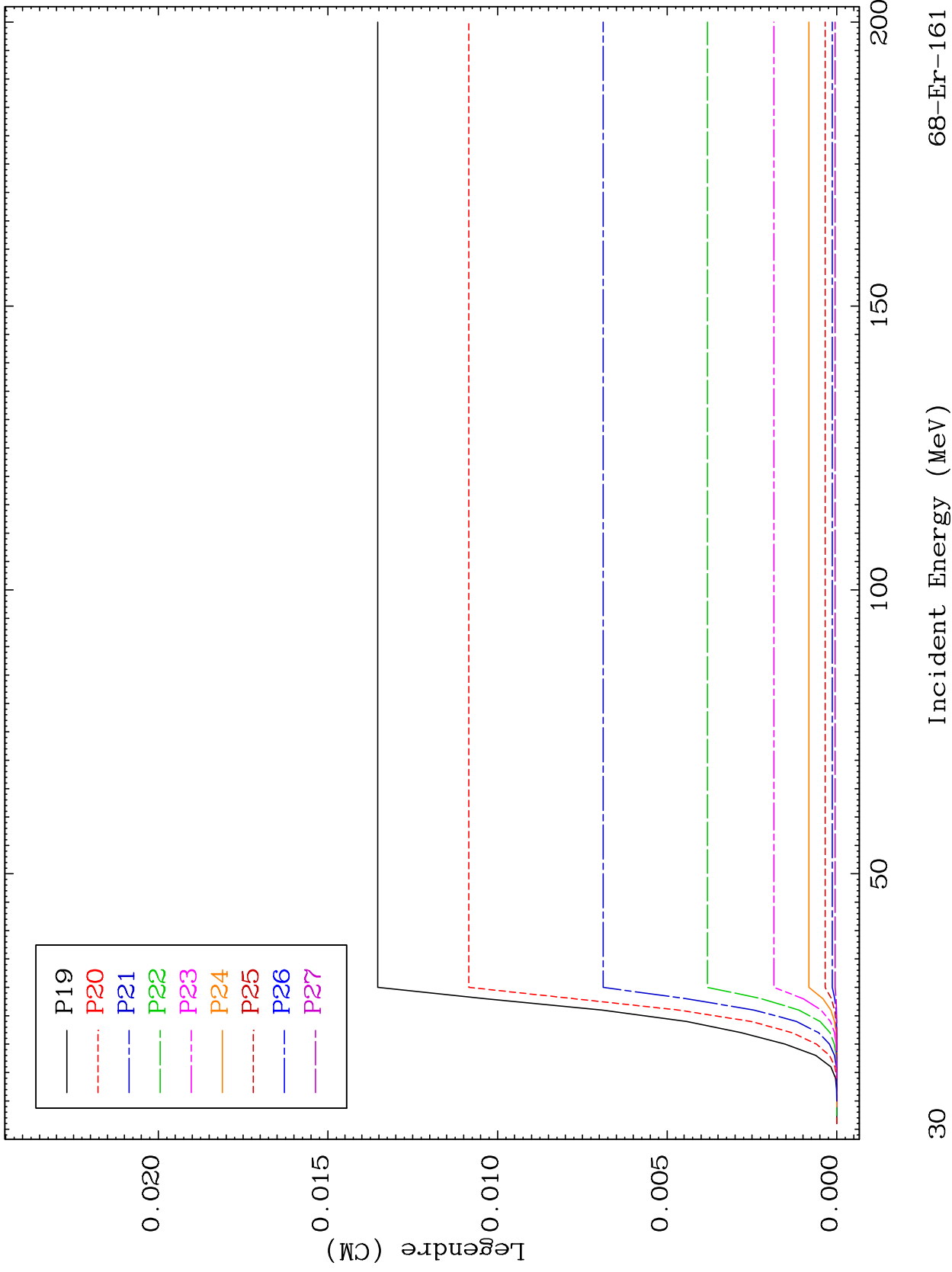
Incident Energy (MeV)

68-Er-161

MAT 68222

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

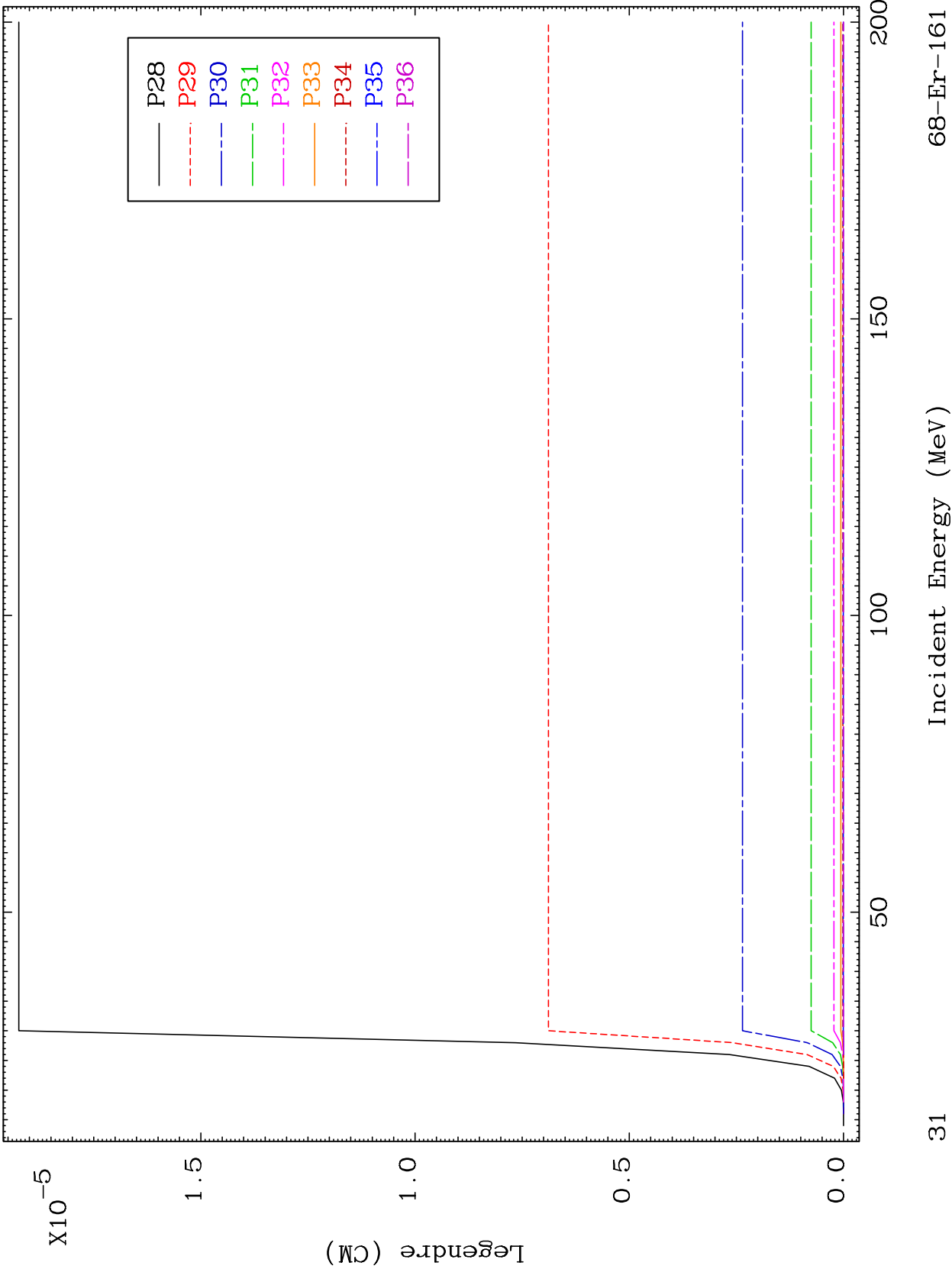
68-Er-161



68-Er-161

Incident Energy (MeV)

30

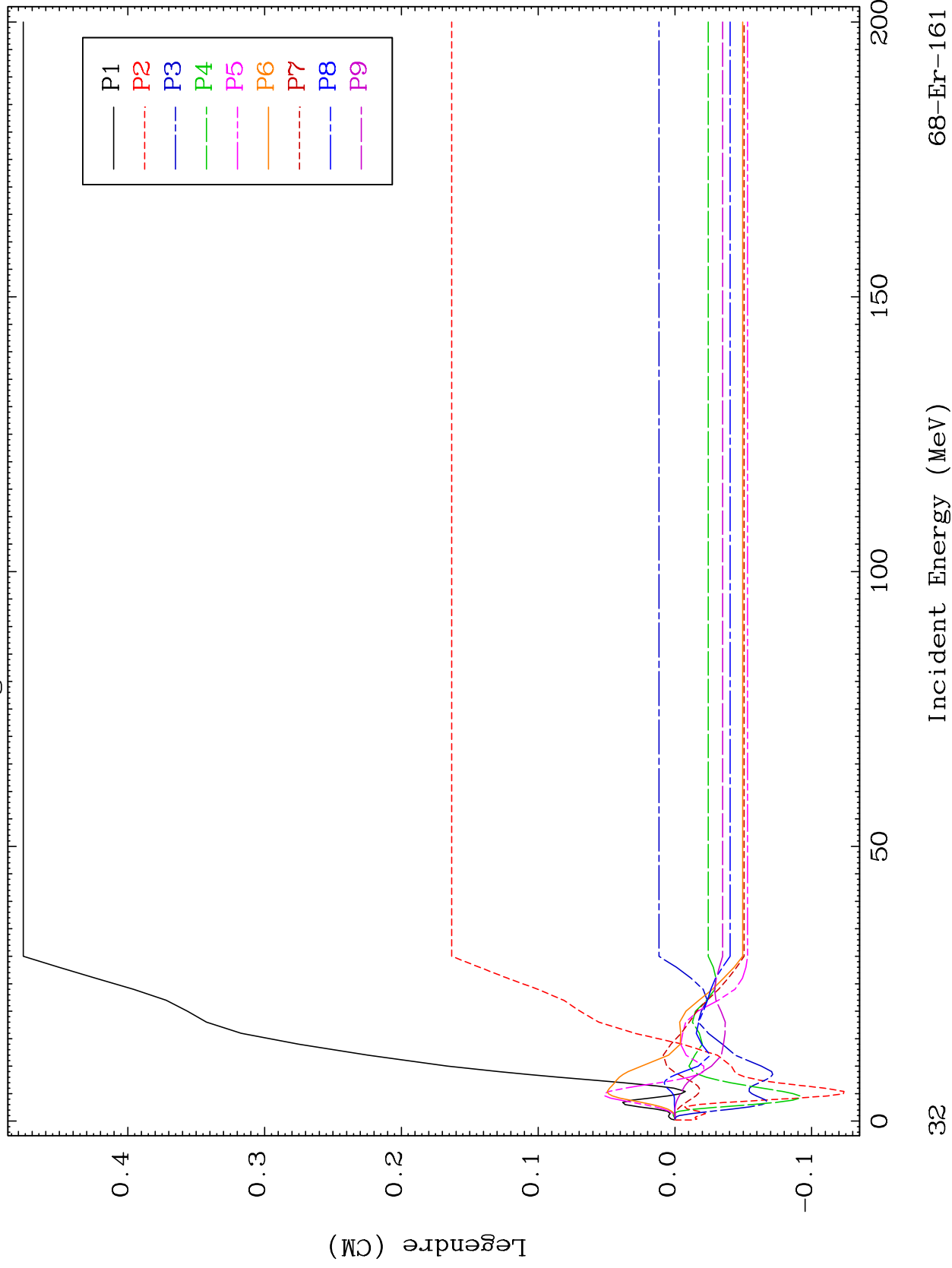




MAT 6822

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

68-Er-161



68-Er-161

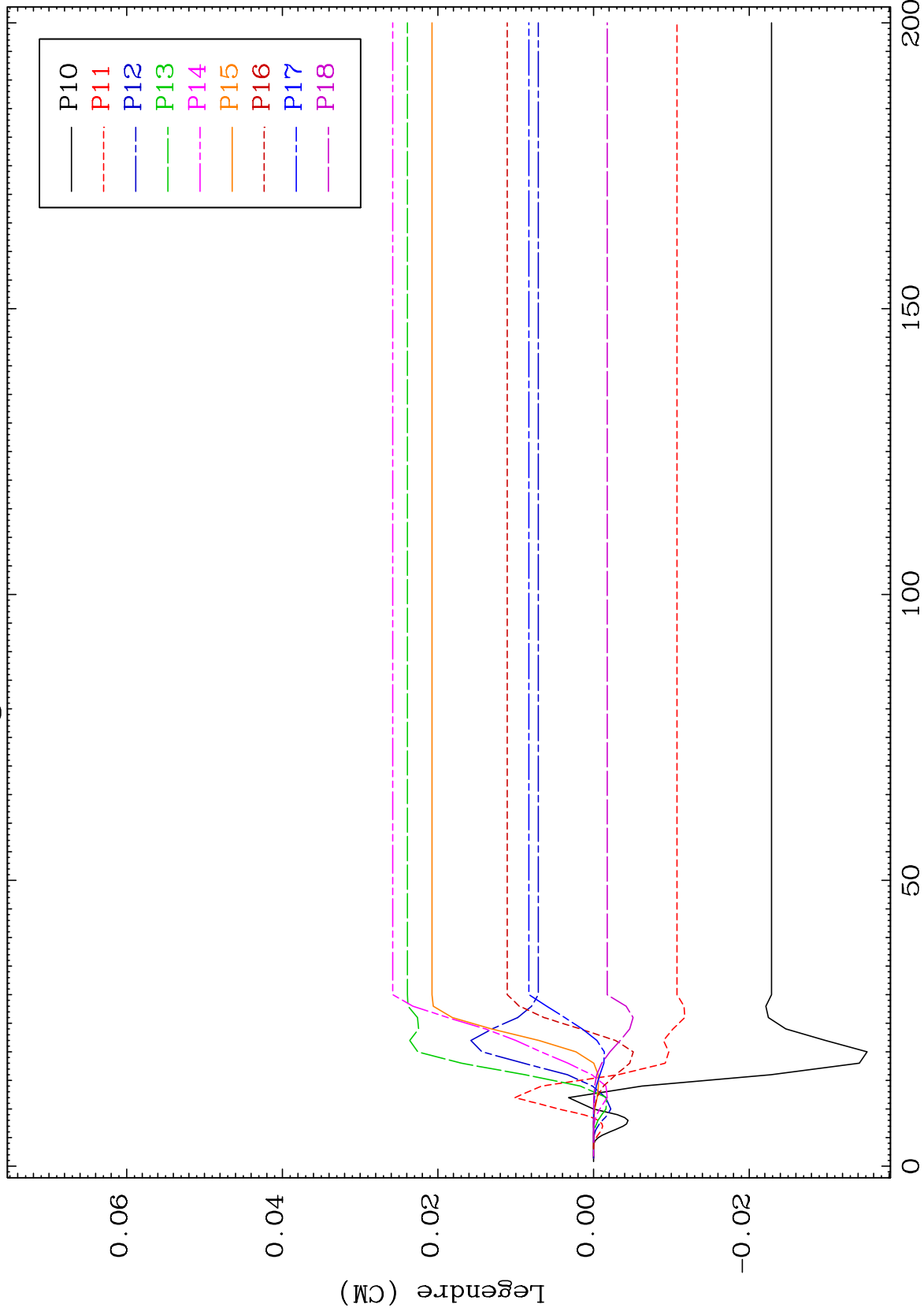
Incident Energy (MeV)

32

MAT 6822

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

68-Er-161



33

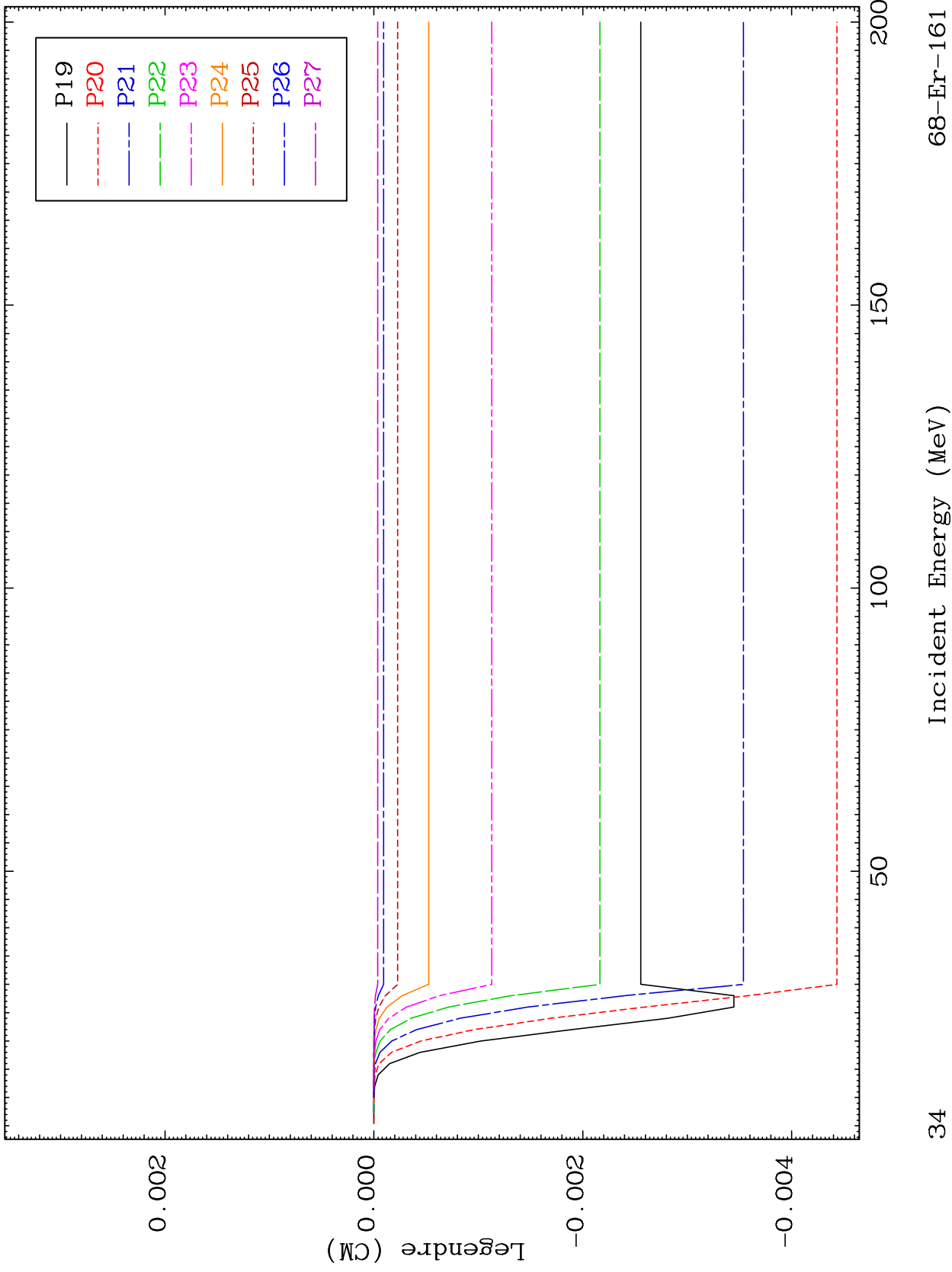
Incident Energy (MeV)

68-Er-161

MAT 6822

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

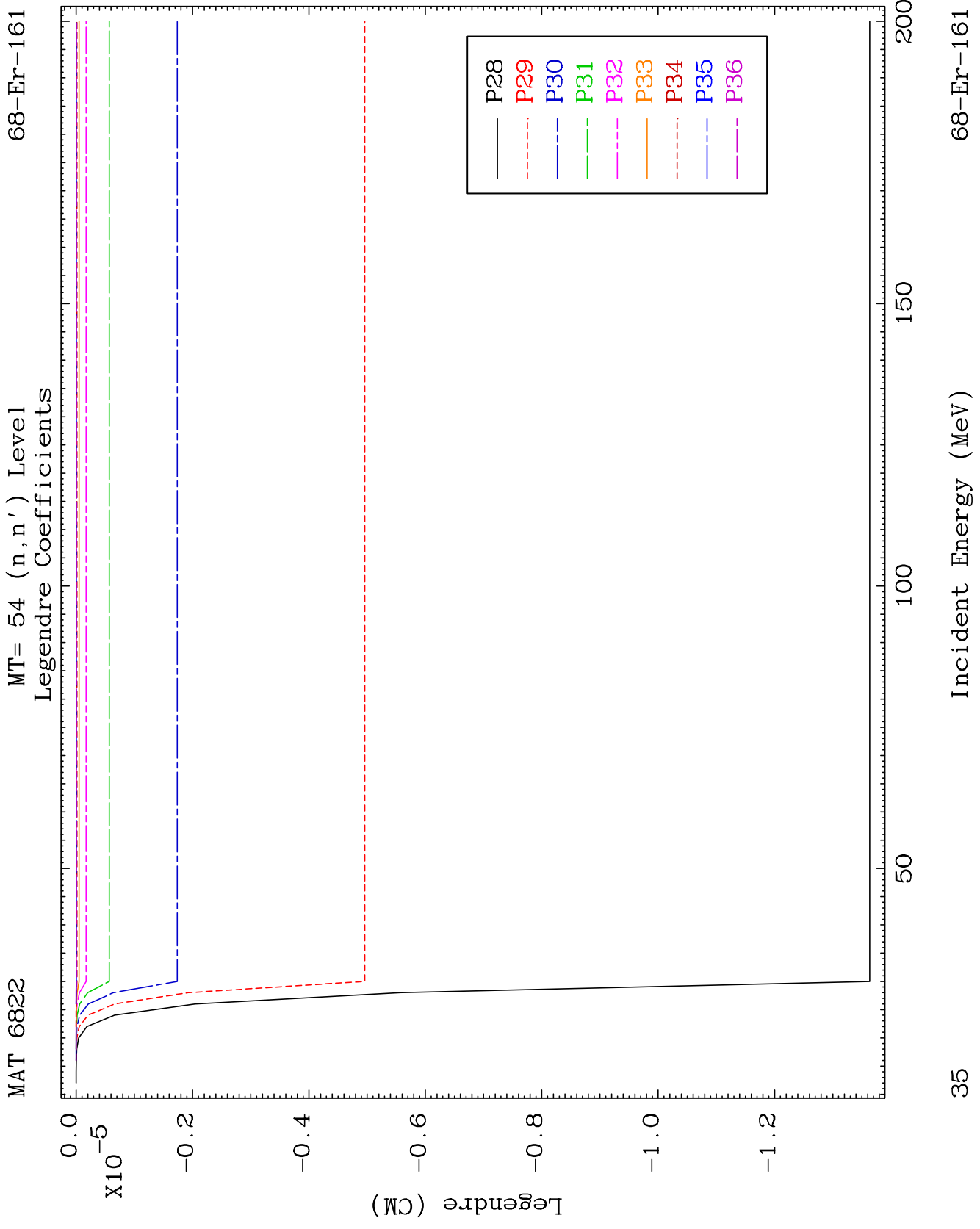
68-Er-161



34

Incident Energy (MeV)

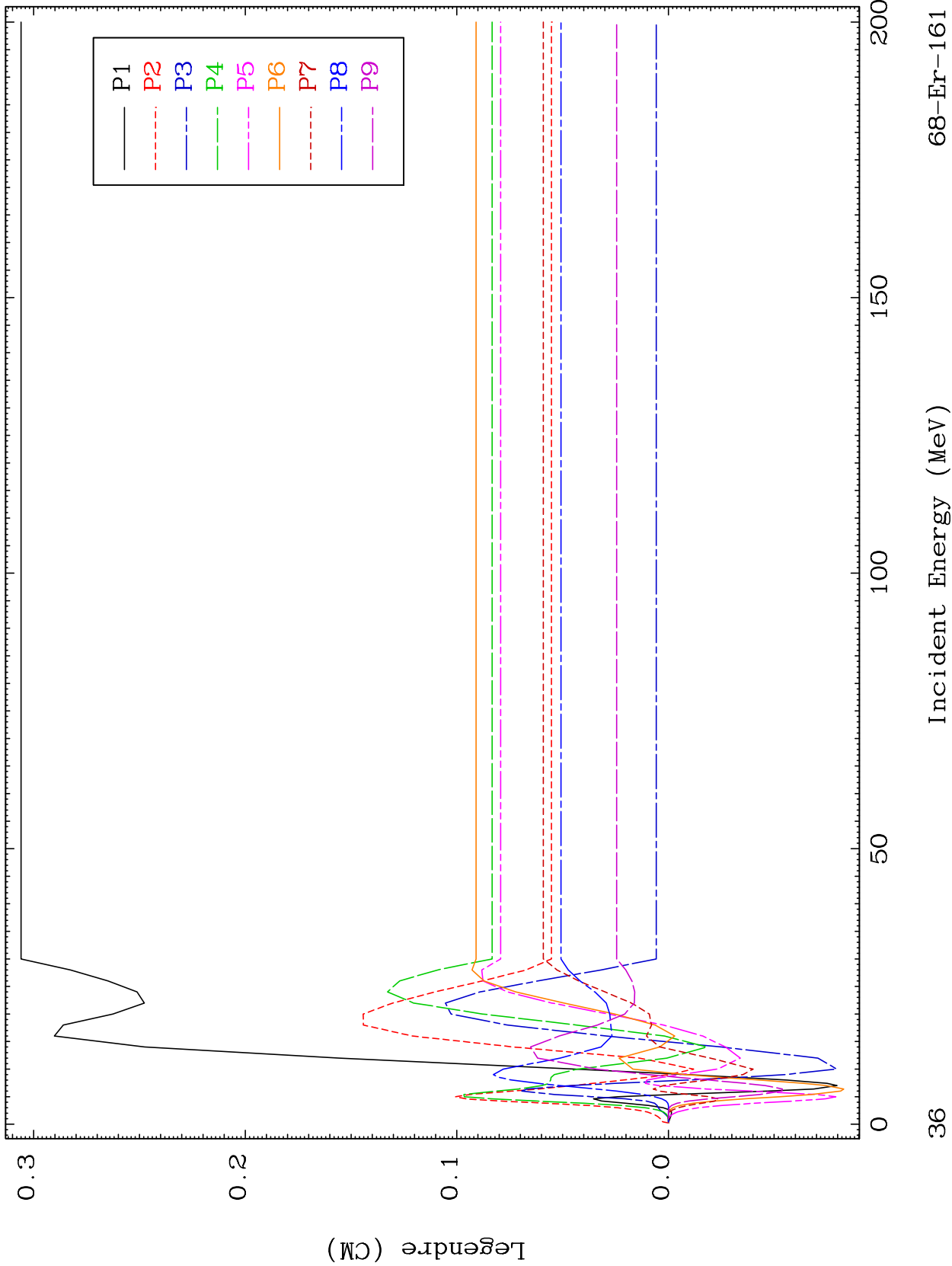
68-Er-161



MAT 6822

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

68-Er-161



36

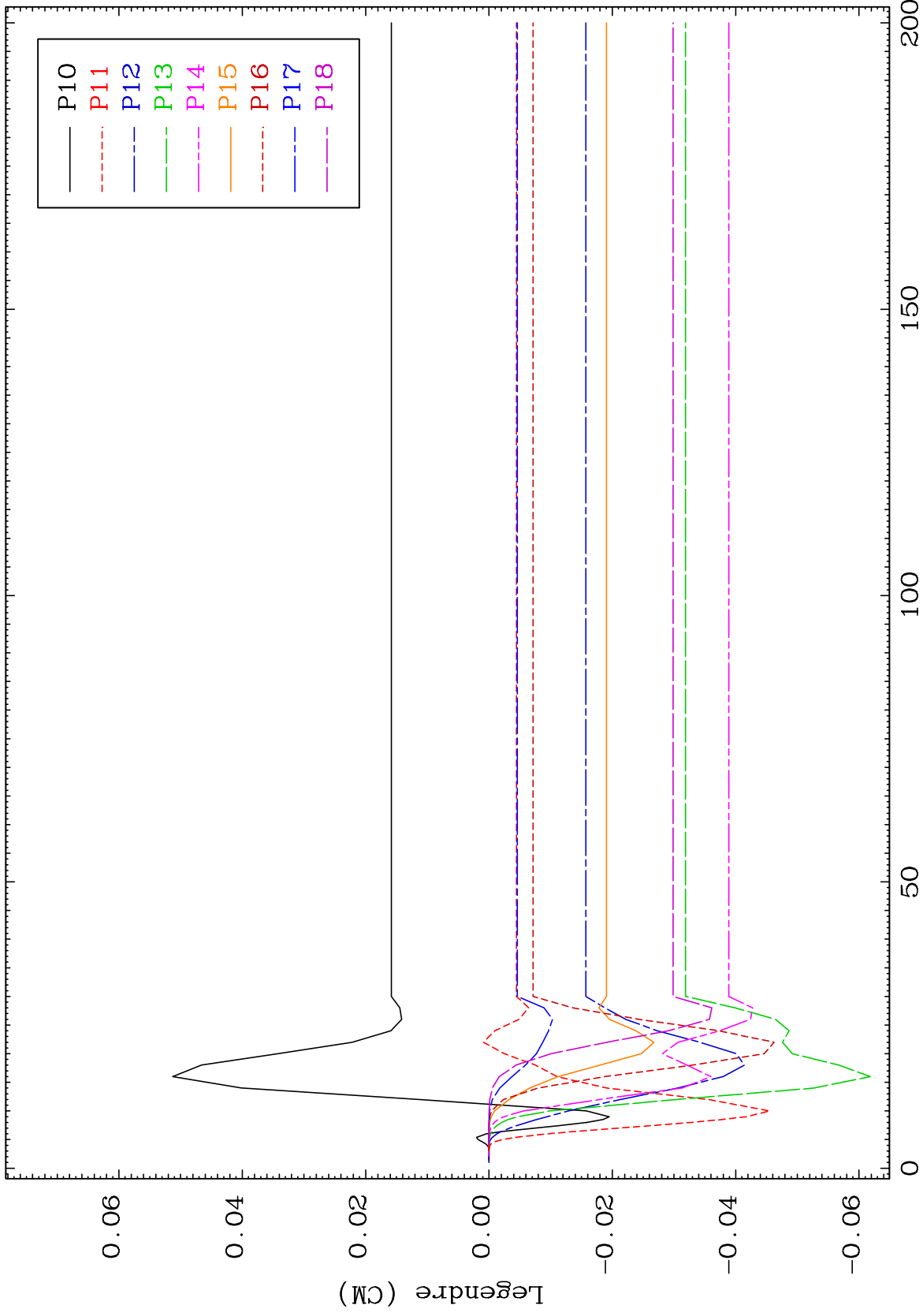
Incident Energy (MeV)

68-Er-161

MAT 6822

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

68-Er-161



37

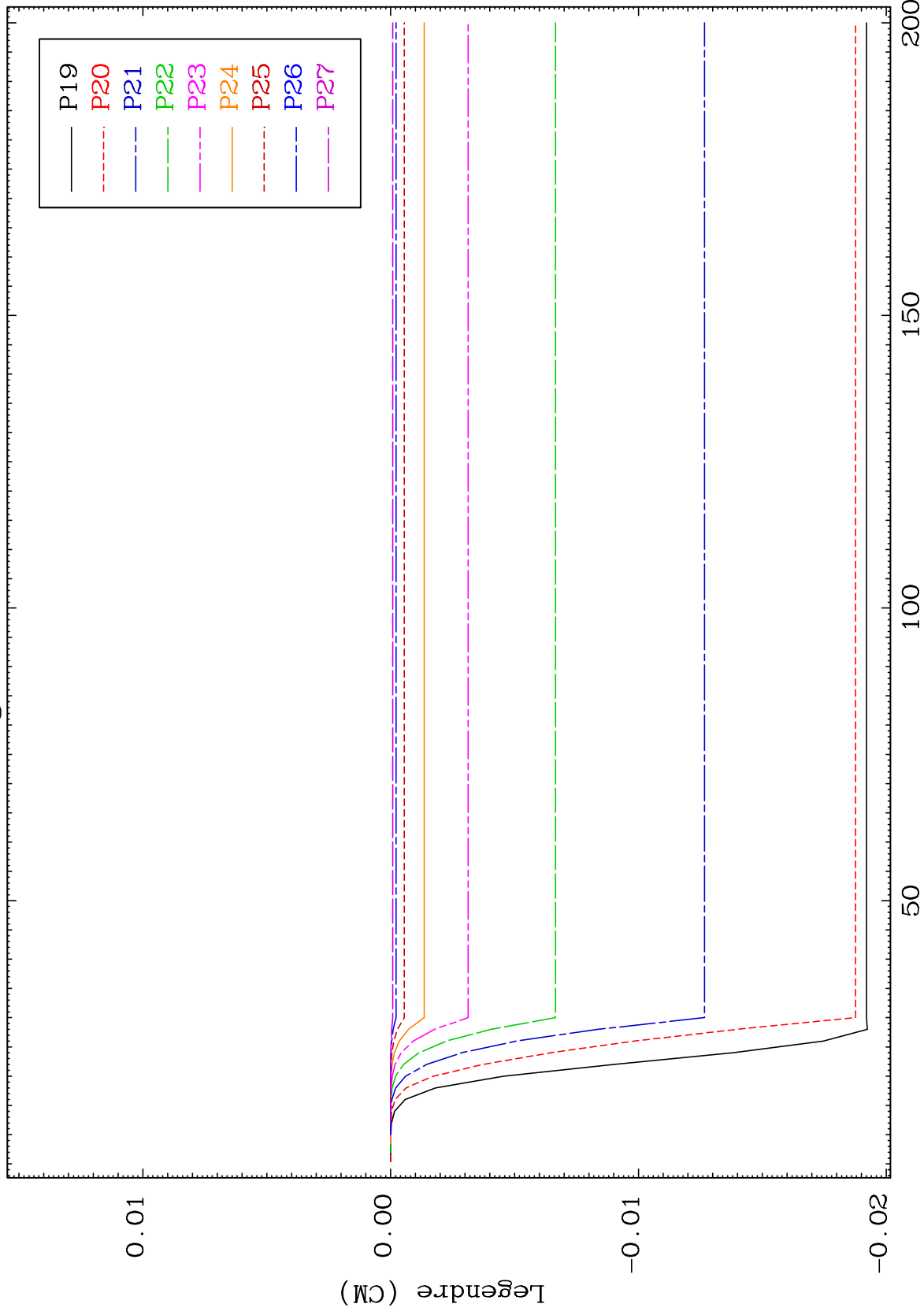
Incident Energy (MeV)

68-Er-161

MAT 6822

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

68-Er-161



38

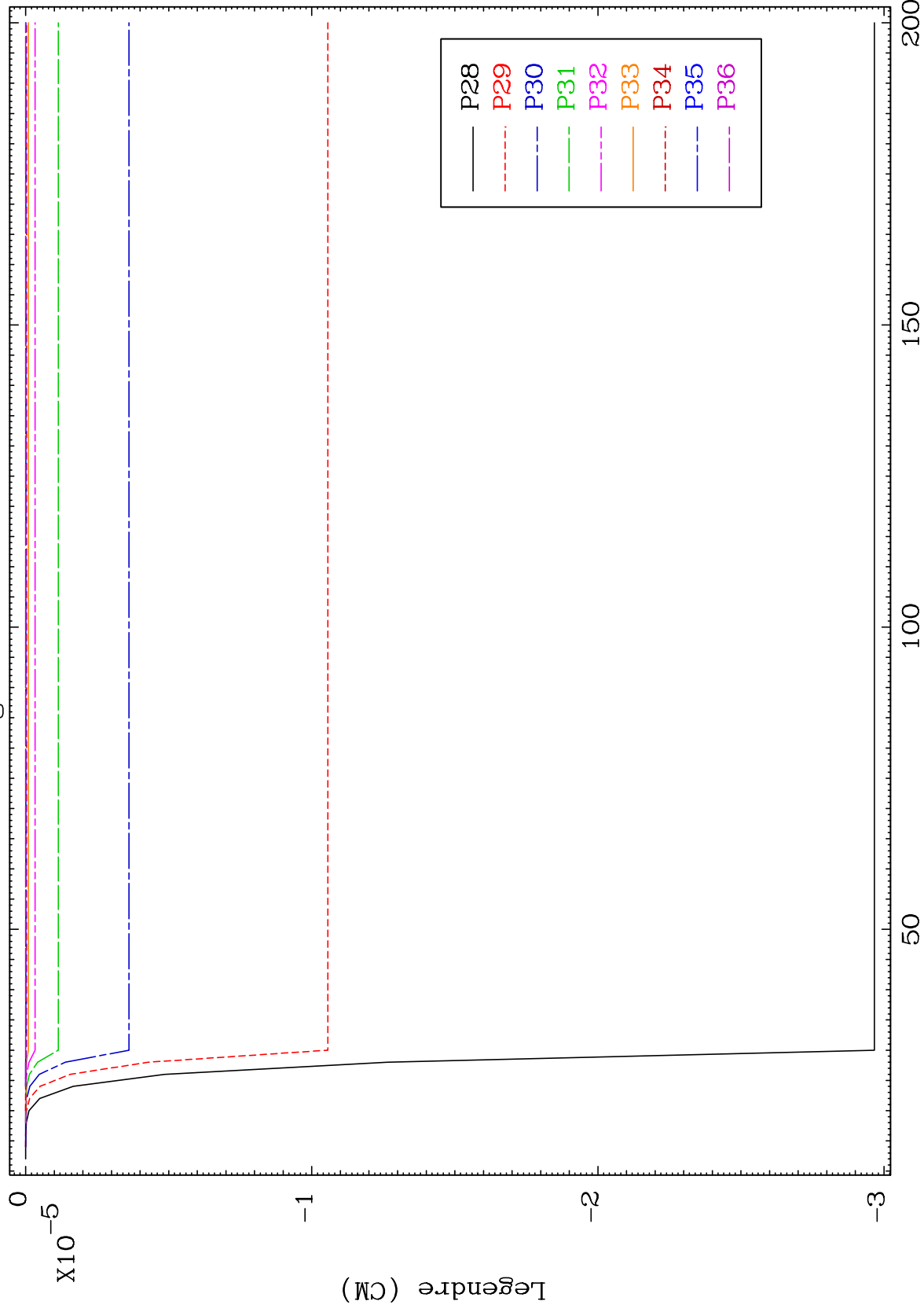
Incident Energy (MeV)

68-Er-161

MAT 68222

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

68-Er-161



39

Incident Energy (MeV)

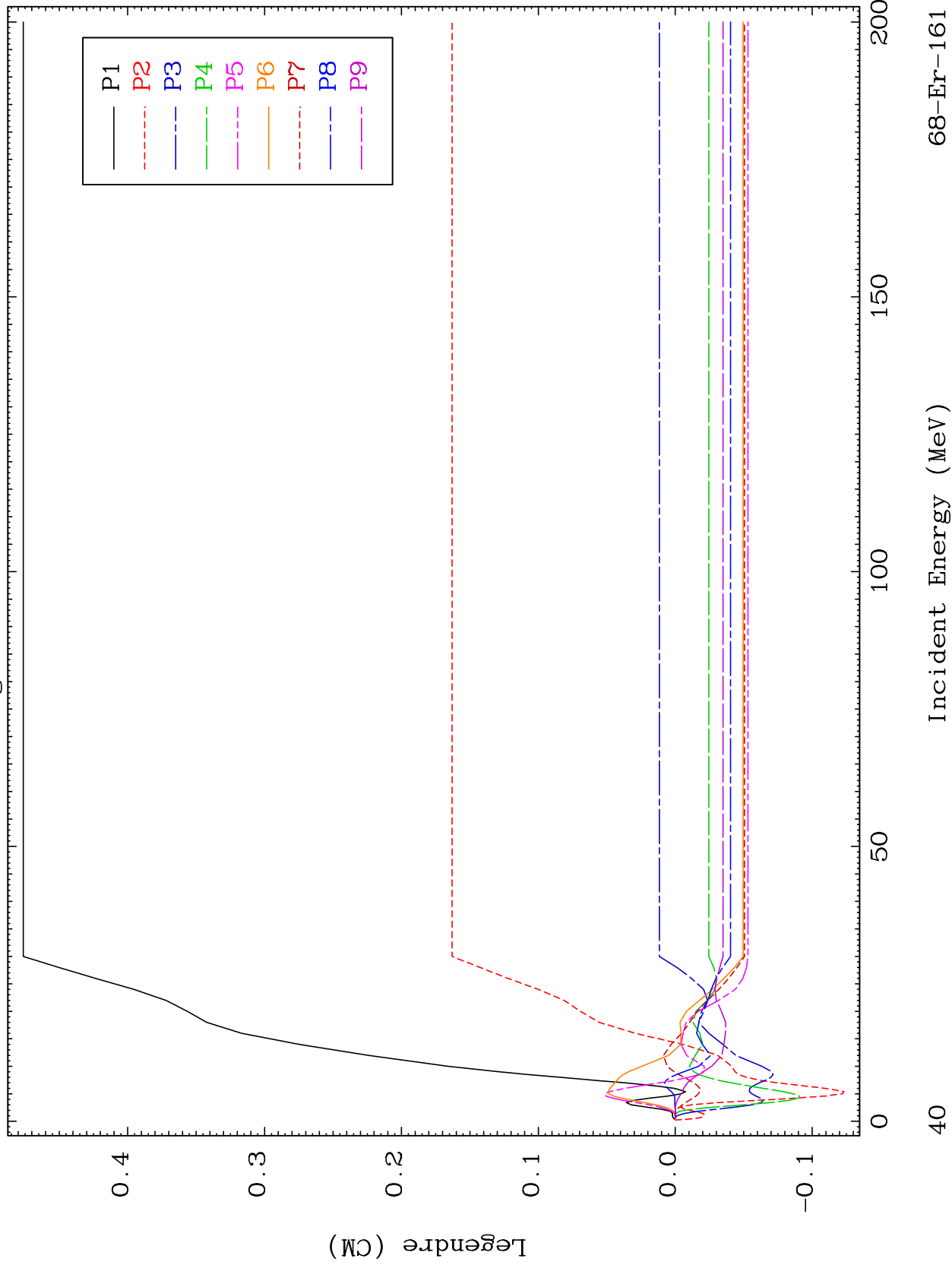
68-Er-161



MAT 6822

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

68-Er-161



68-Er-161

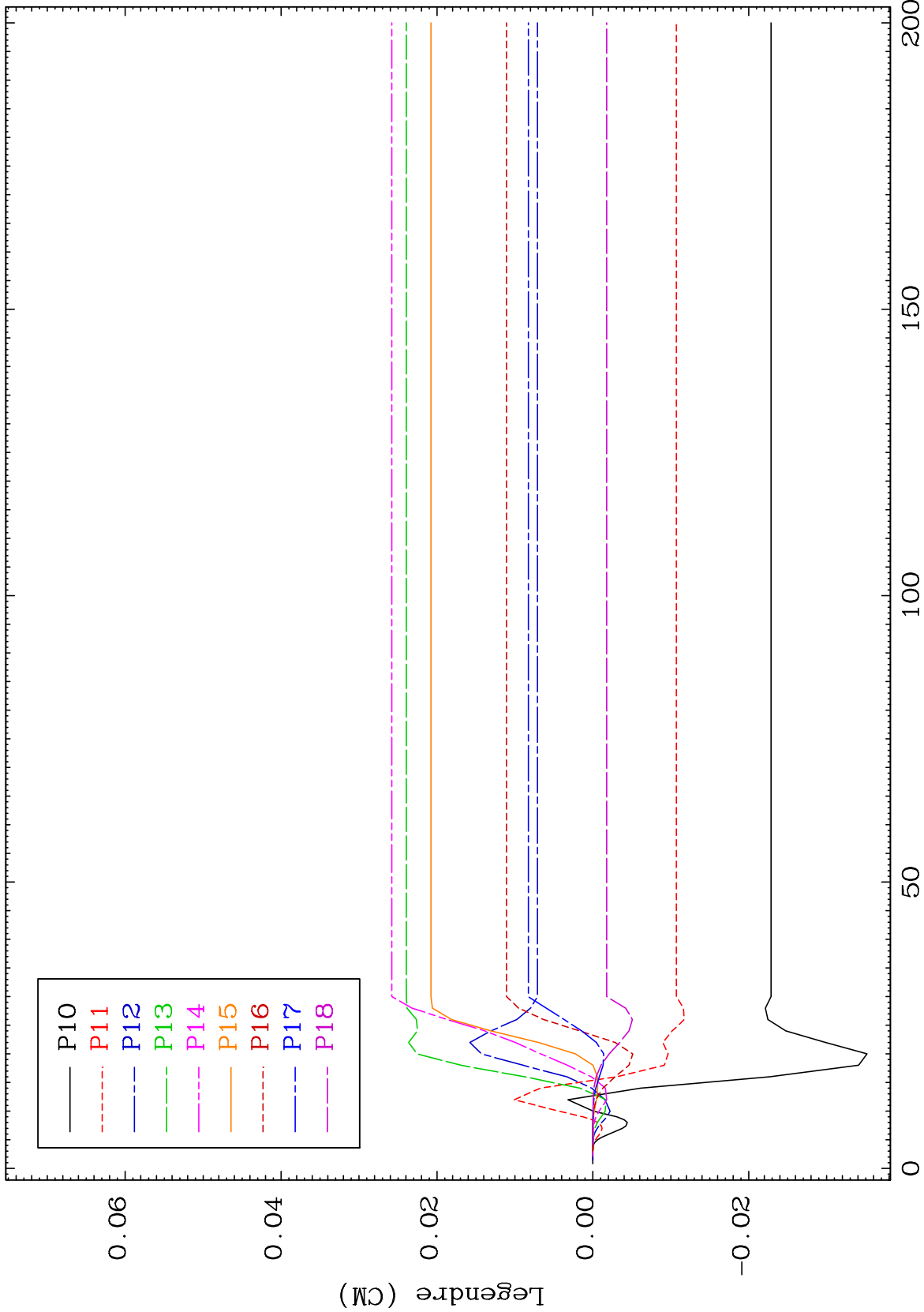
Incident Energy (MeV)

40

MAT 68222

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

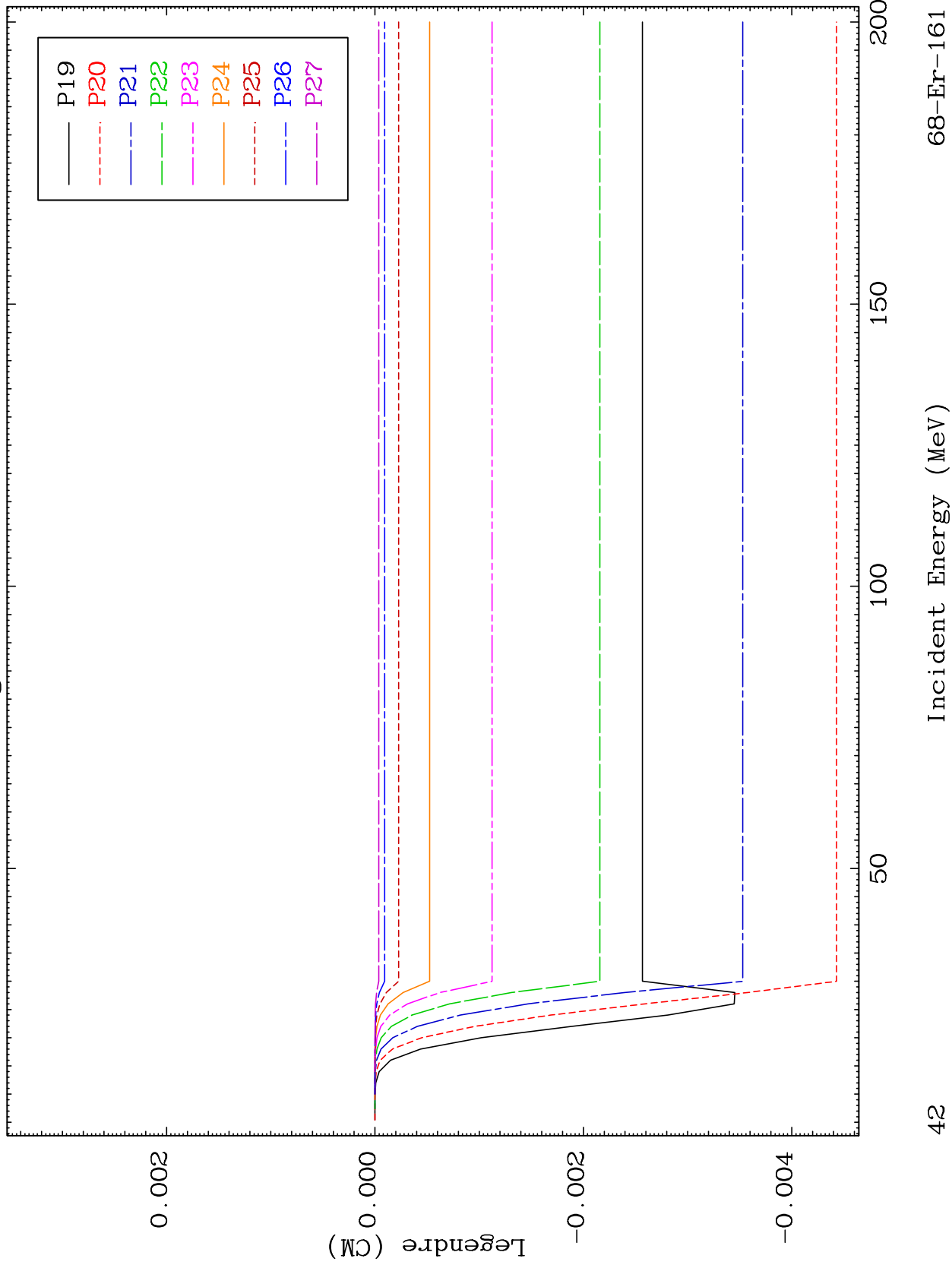
68-Er-161



MAT 6822

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

68-Er-161

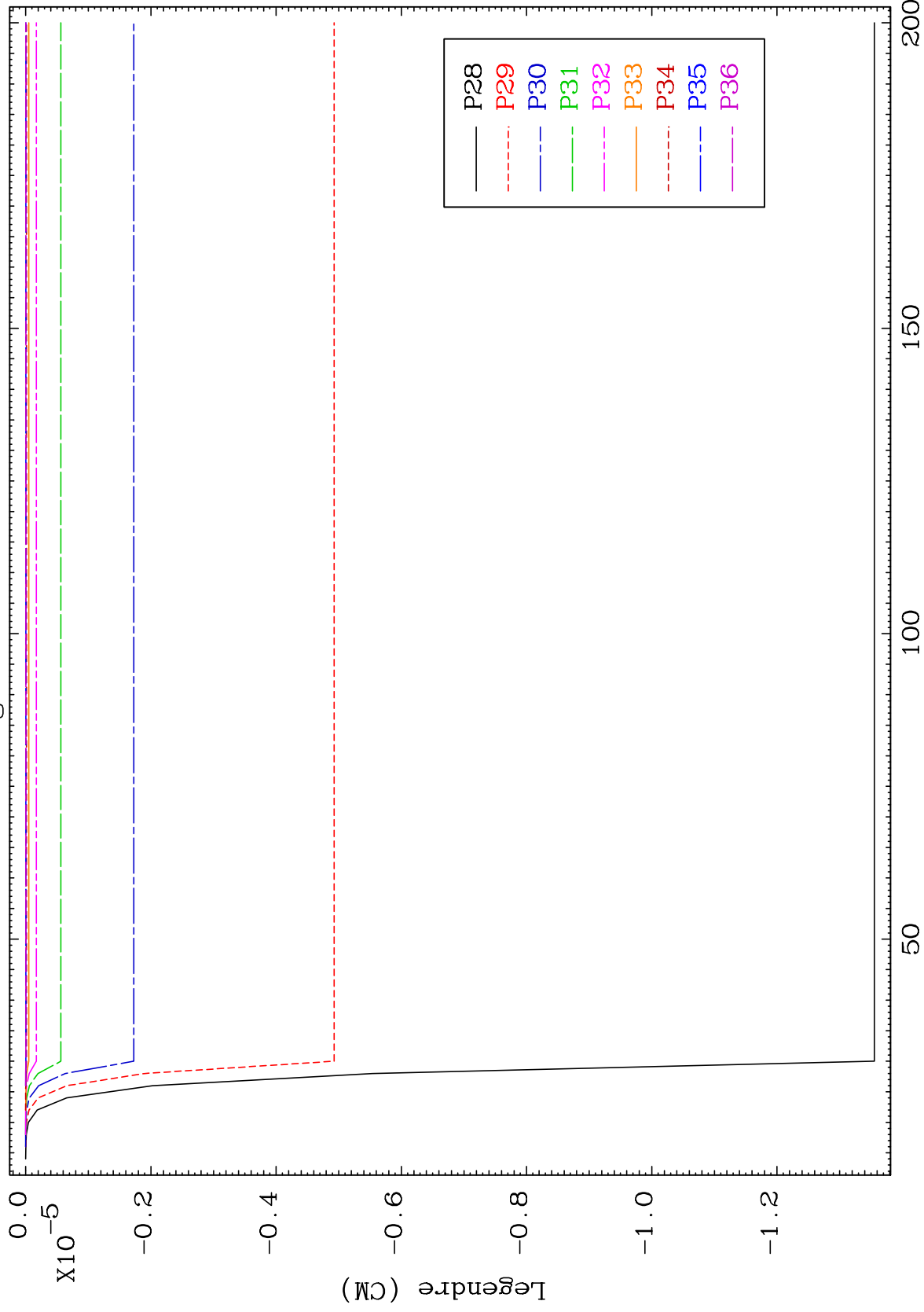


42

MAT 68222

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

68-Er-161



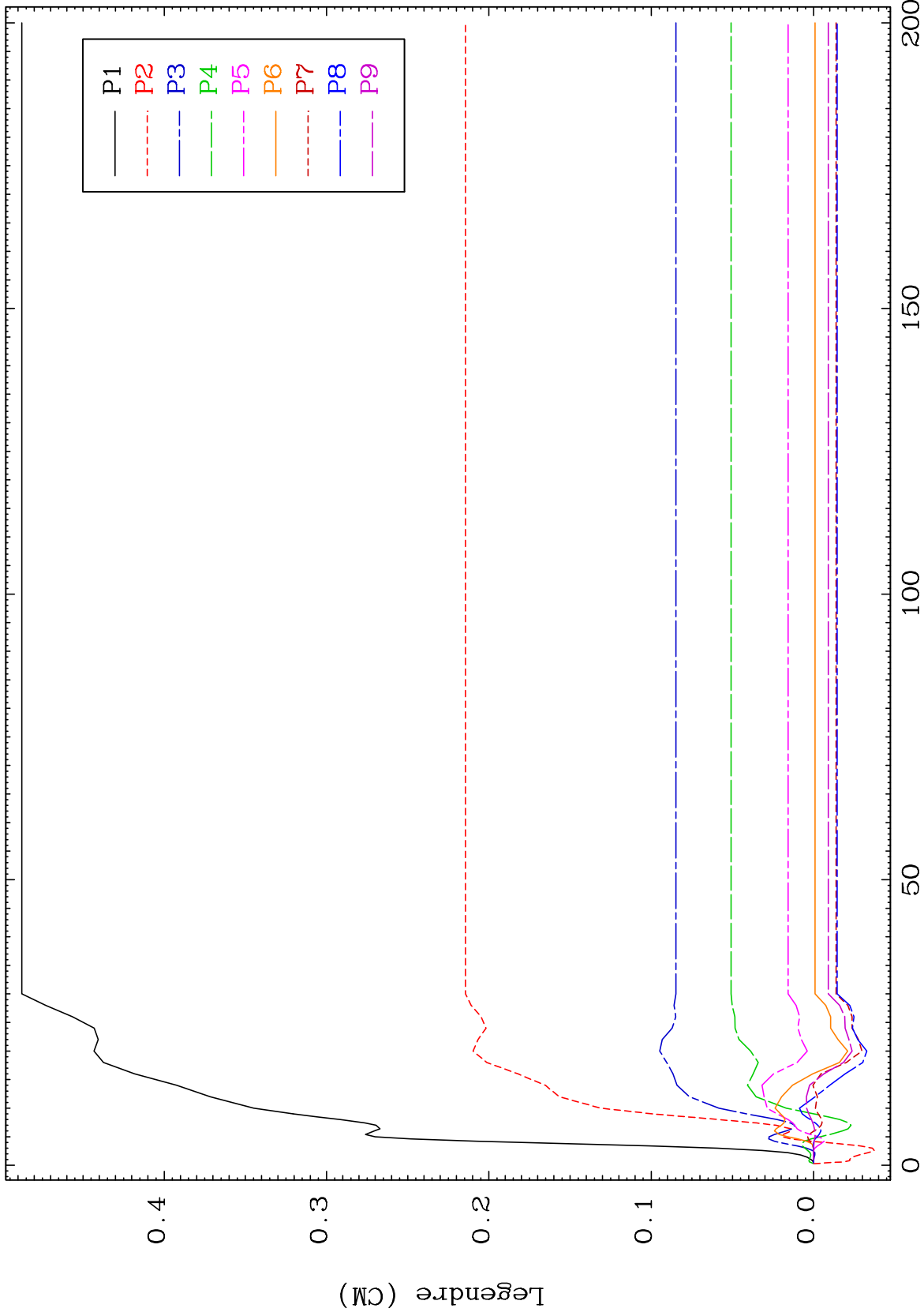
43

68-Er-161

MAT 68222

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

68-Er-161



44

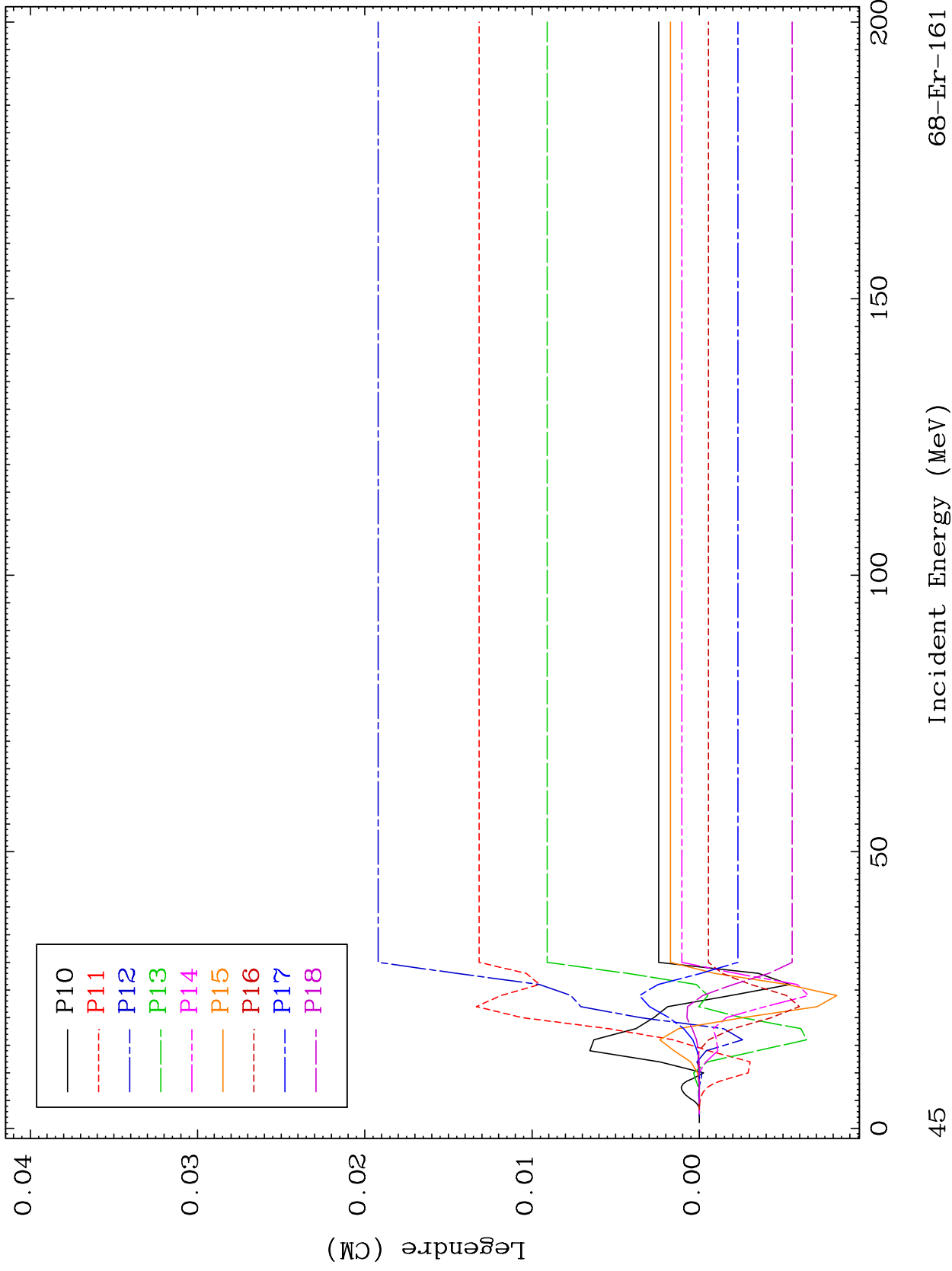
Incident Energy (MeV)

68-Er-161

MAT 68222

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

68-Er-161



68-Er-161

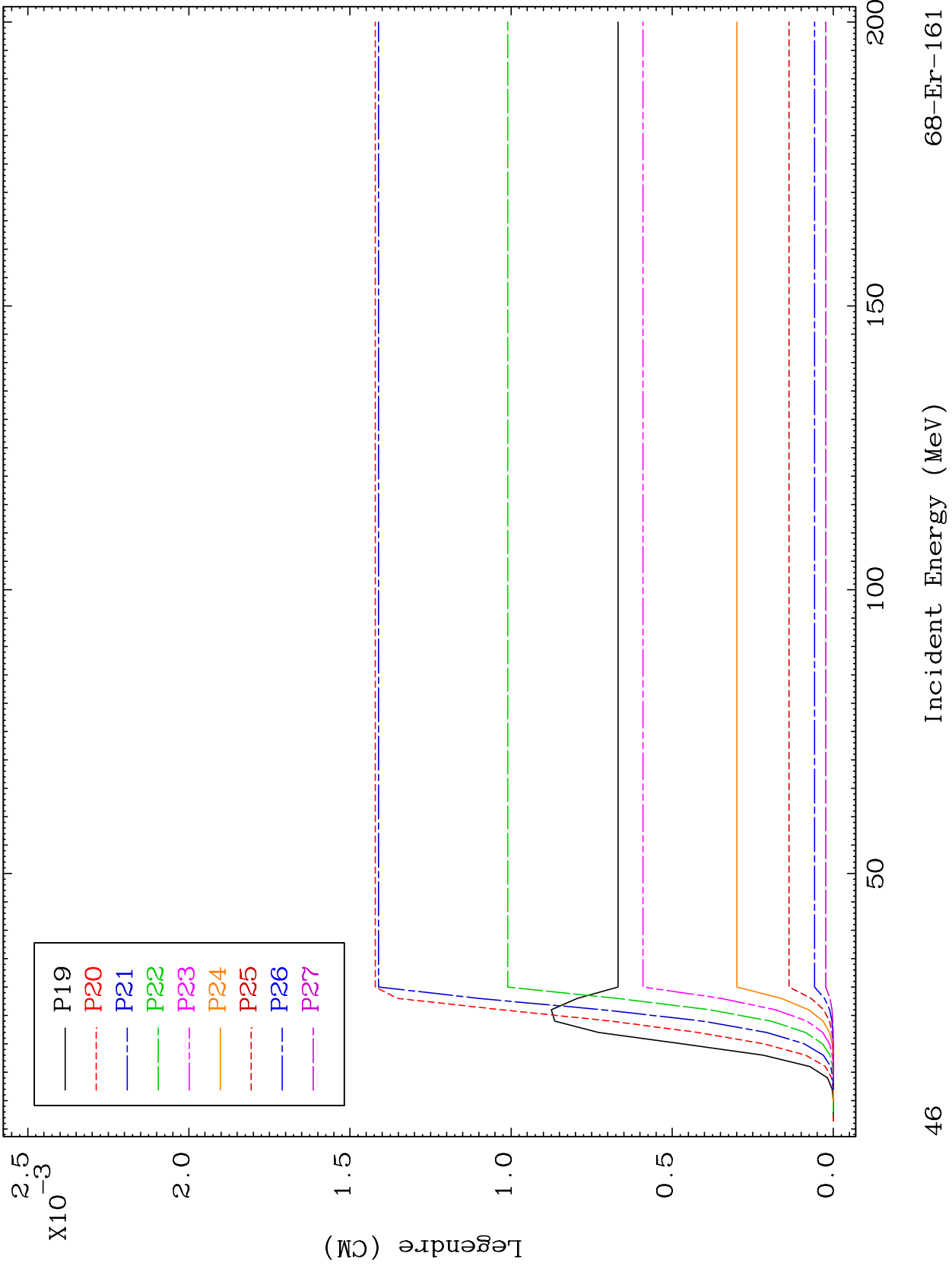
Incident Energy (MeV)

45

MAT 68222

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

68-Er-161



46

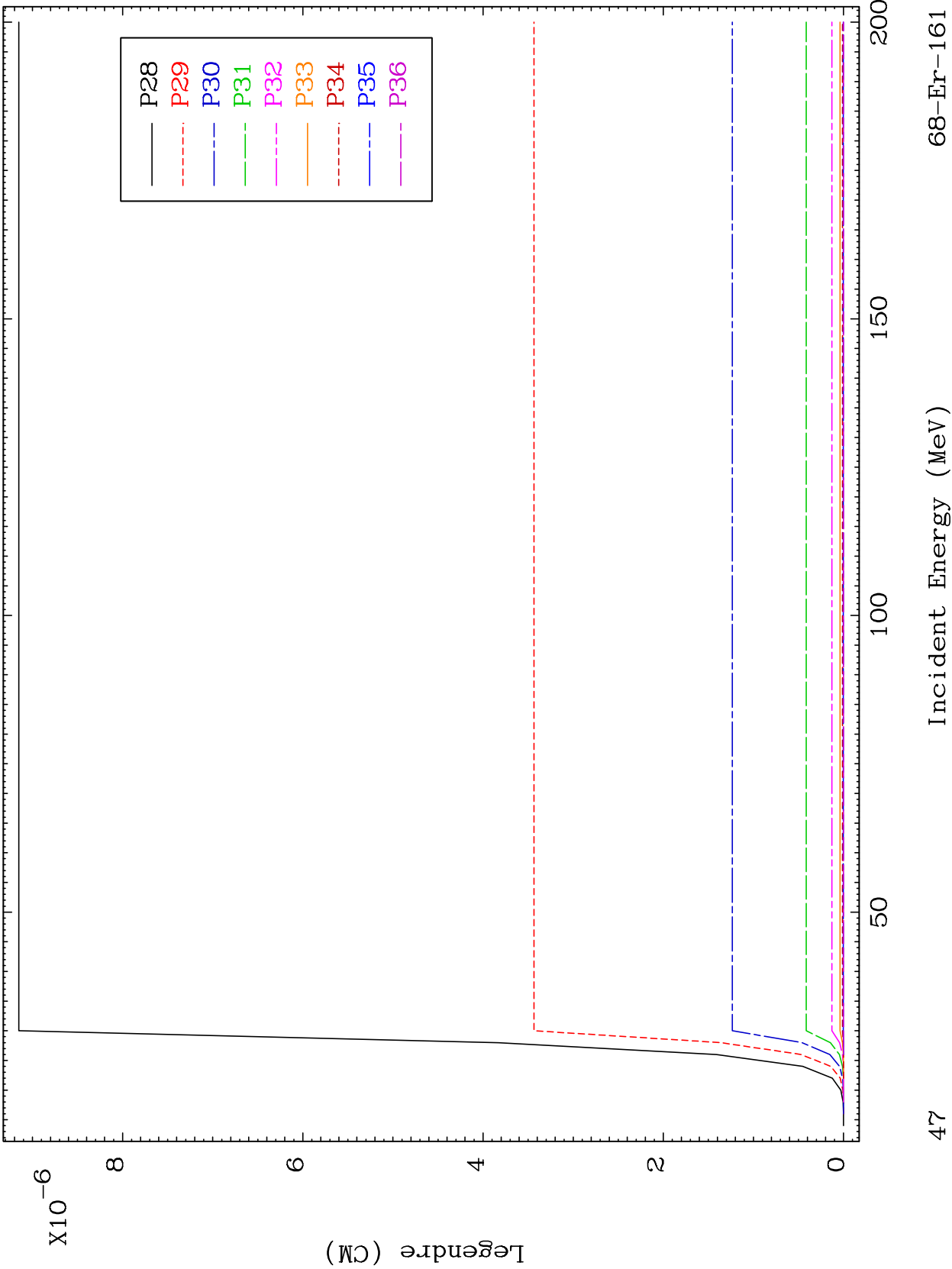
Incident Energy (MeV)

68-Er-161

MAT 6822

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

68-Er-161



47

Incident Energy (MeV)

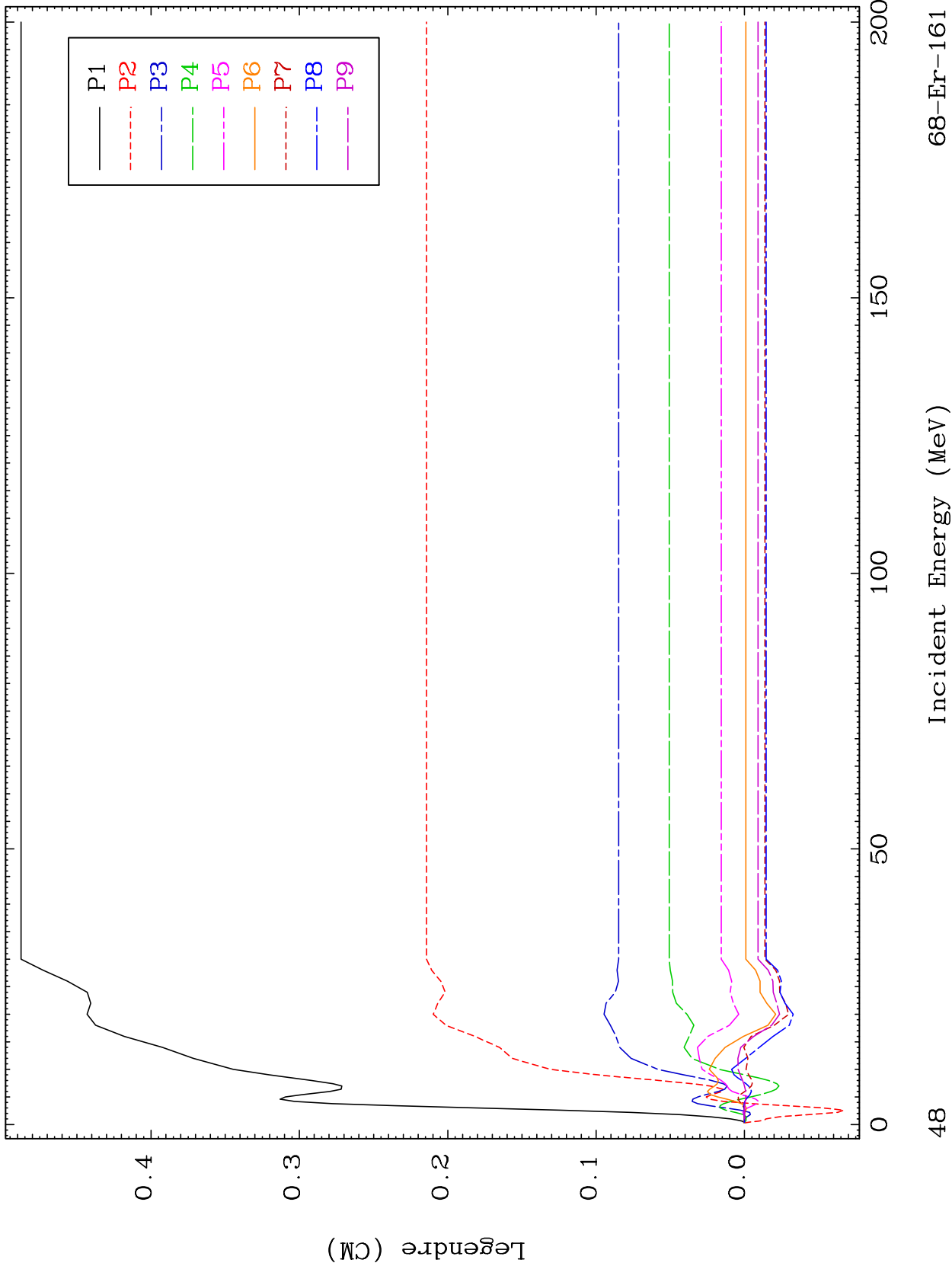
68-Er-161



MAT 68222

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

68-Er-161



68-Er-161

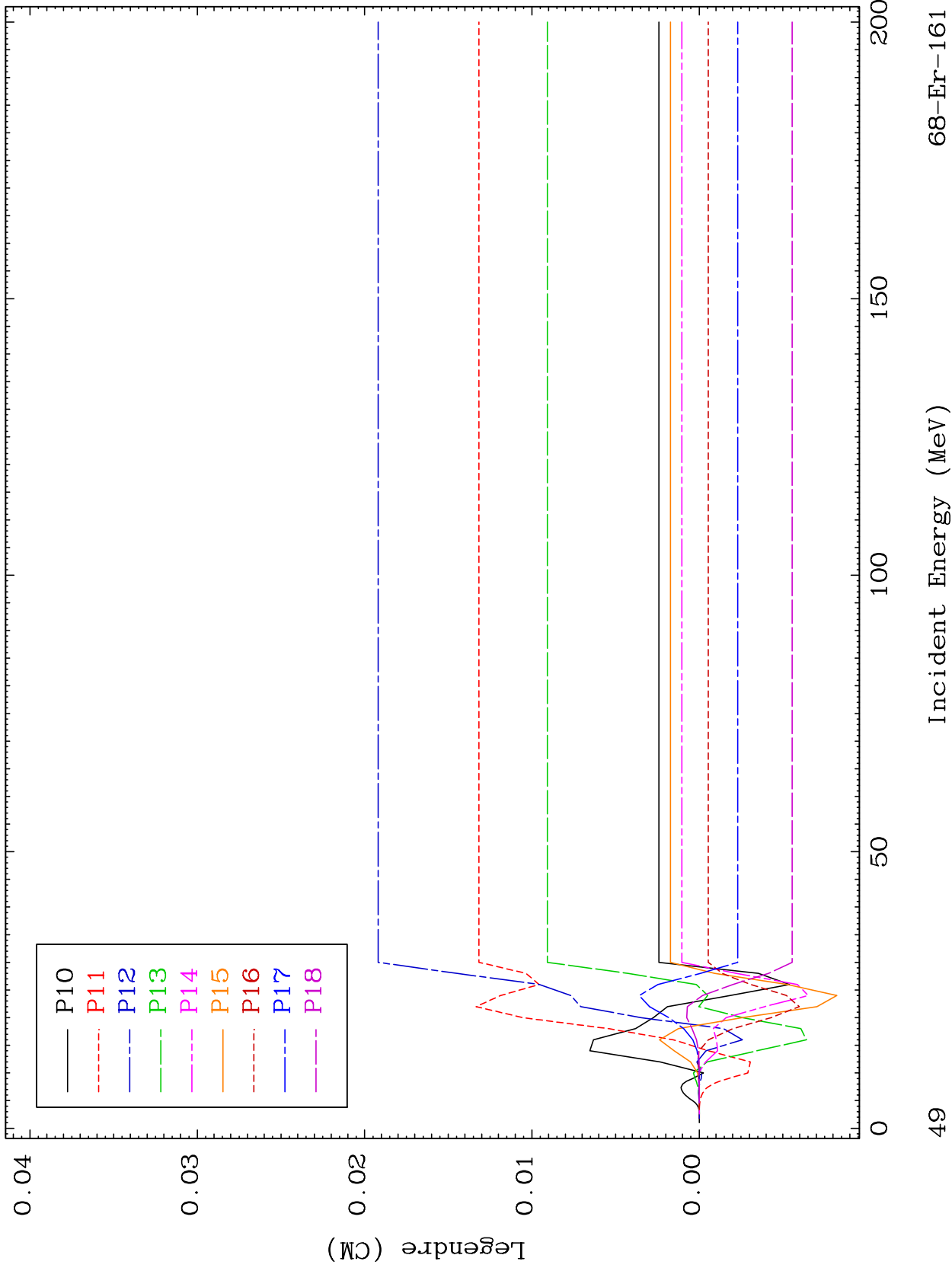
Incident Energy (MeV)

48

MAT 68222

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

68-Er-161



49

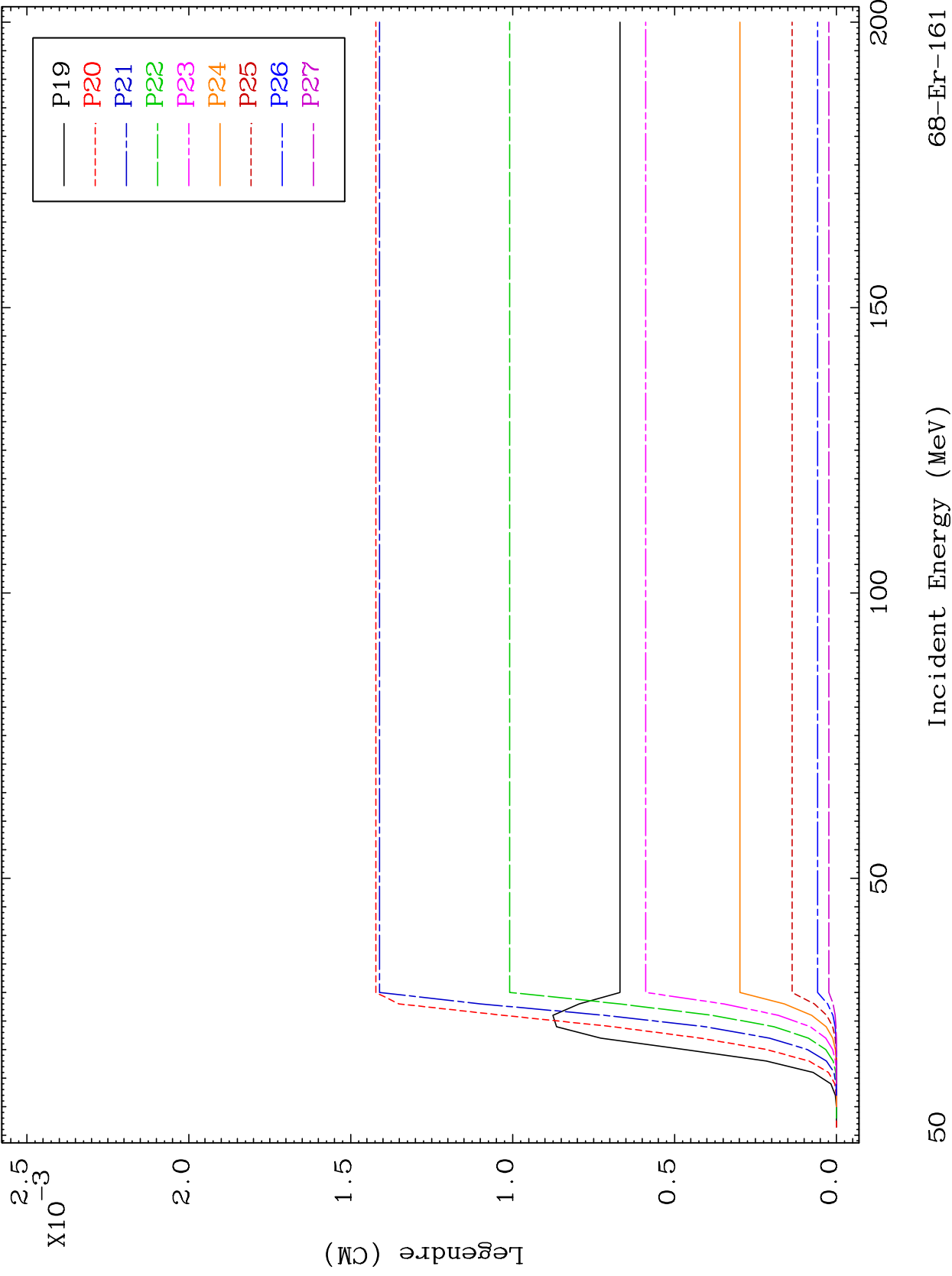
Incident Energy (MeV)

68-Er-161

MAT 68222

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

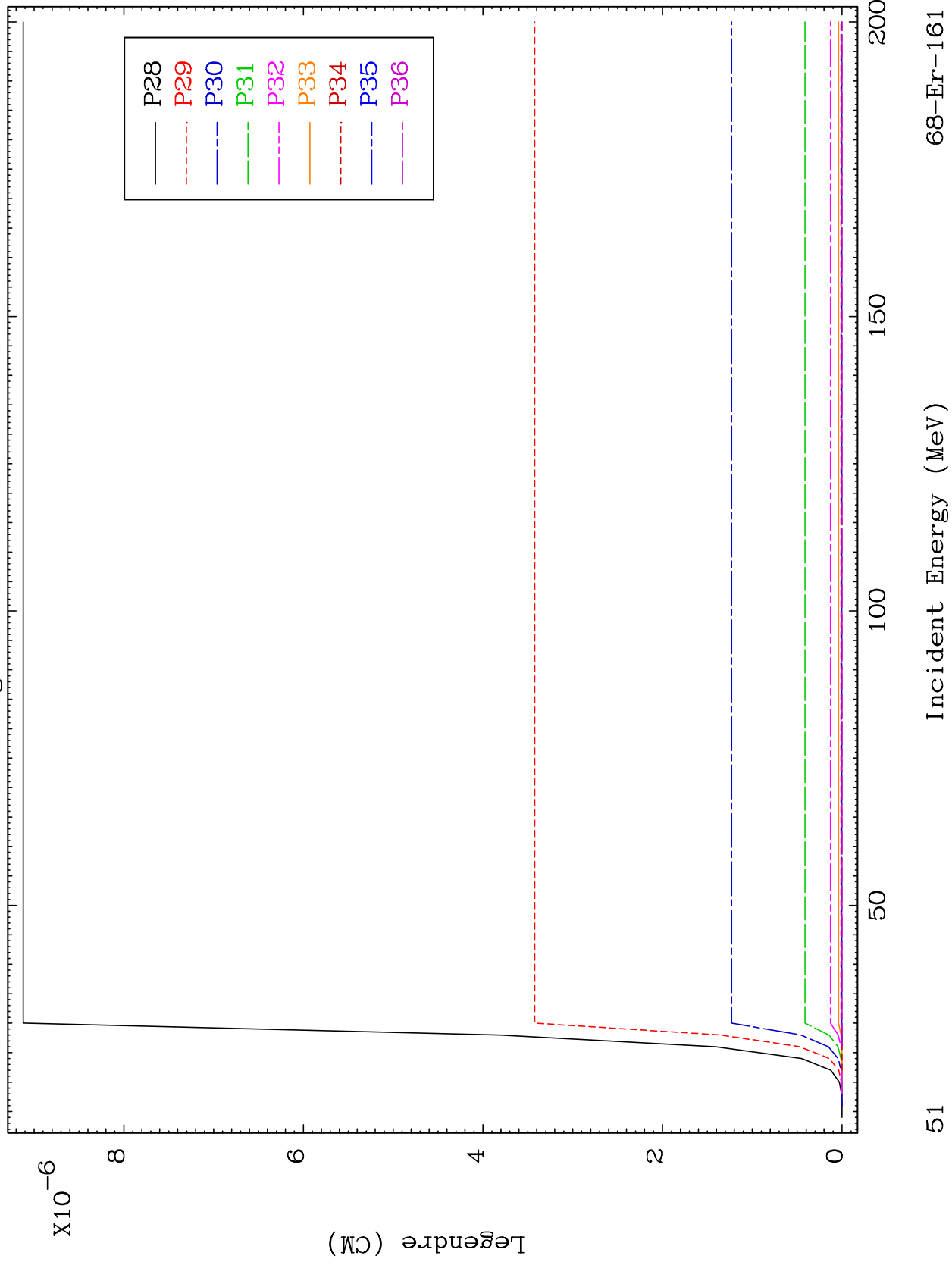
68-Er-161



MAT 6822

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

68-Er-161



51

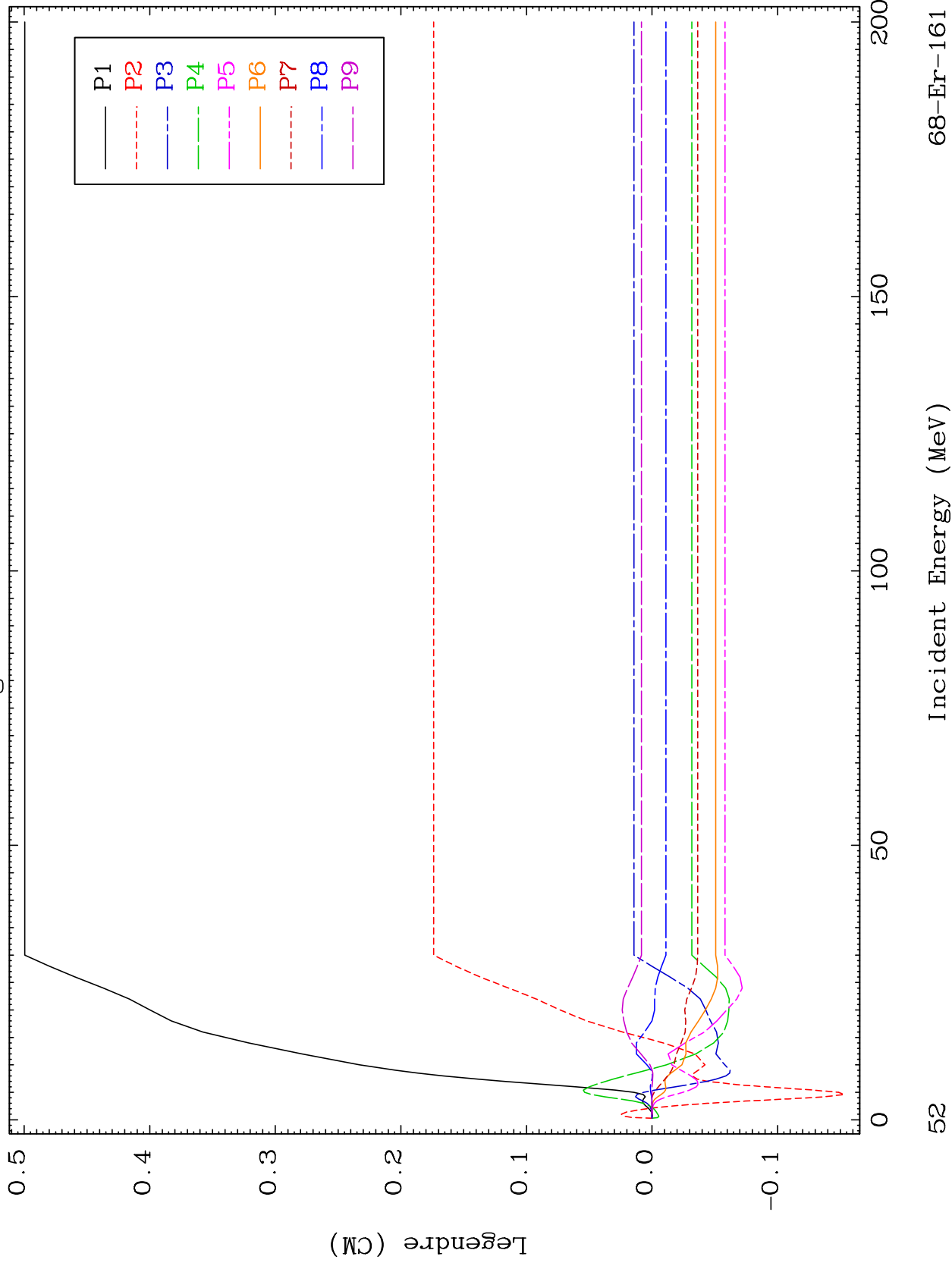
Incident Energy (MeV)

68-Er-161

MAT 68222

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

68-Er-161



68-Er-161

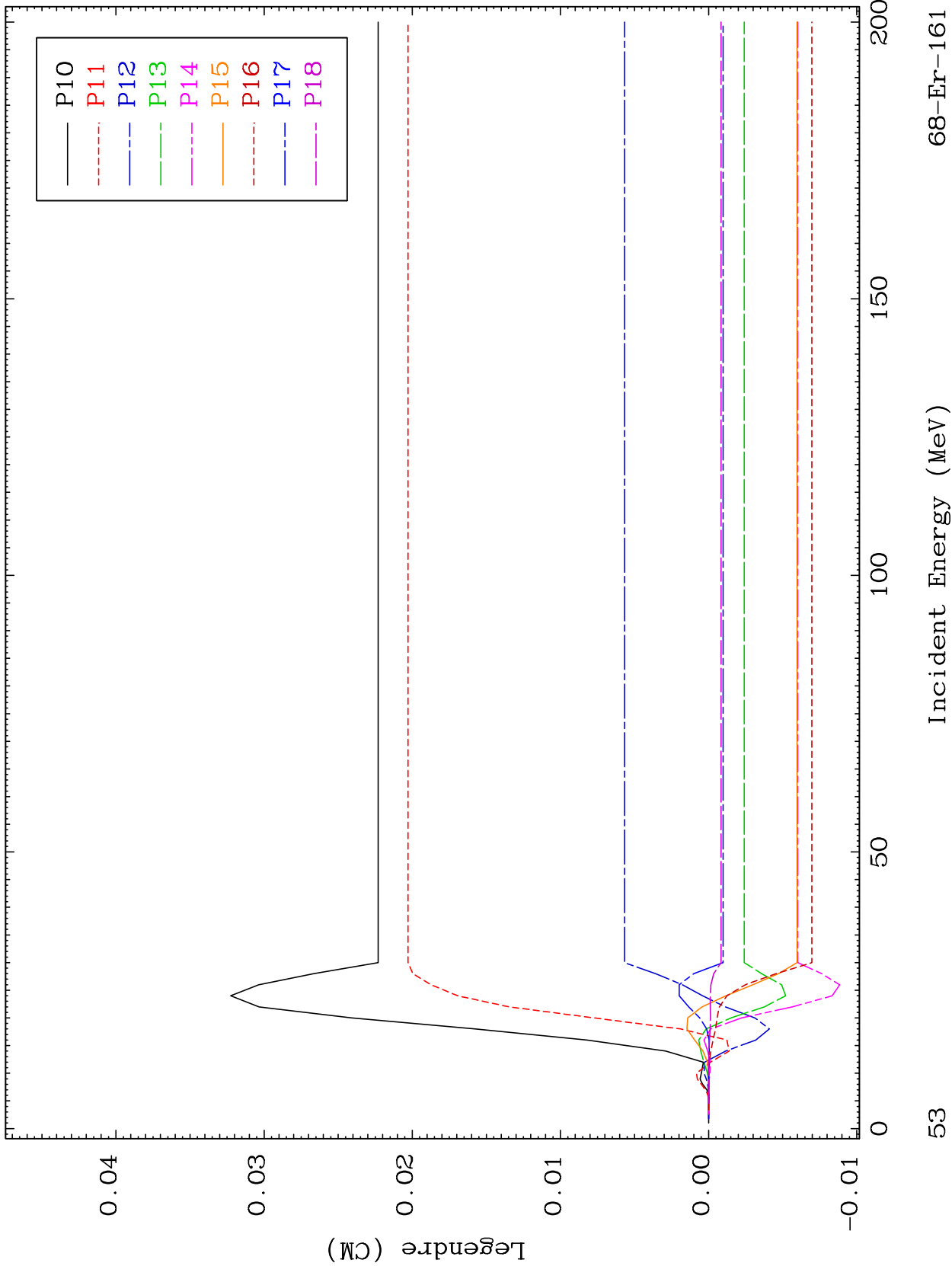
Incident Energy (MeV)

52

MAT 68222

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

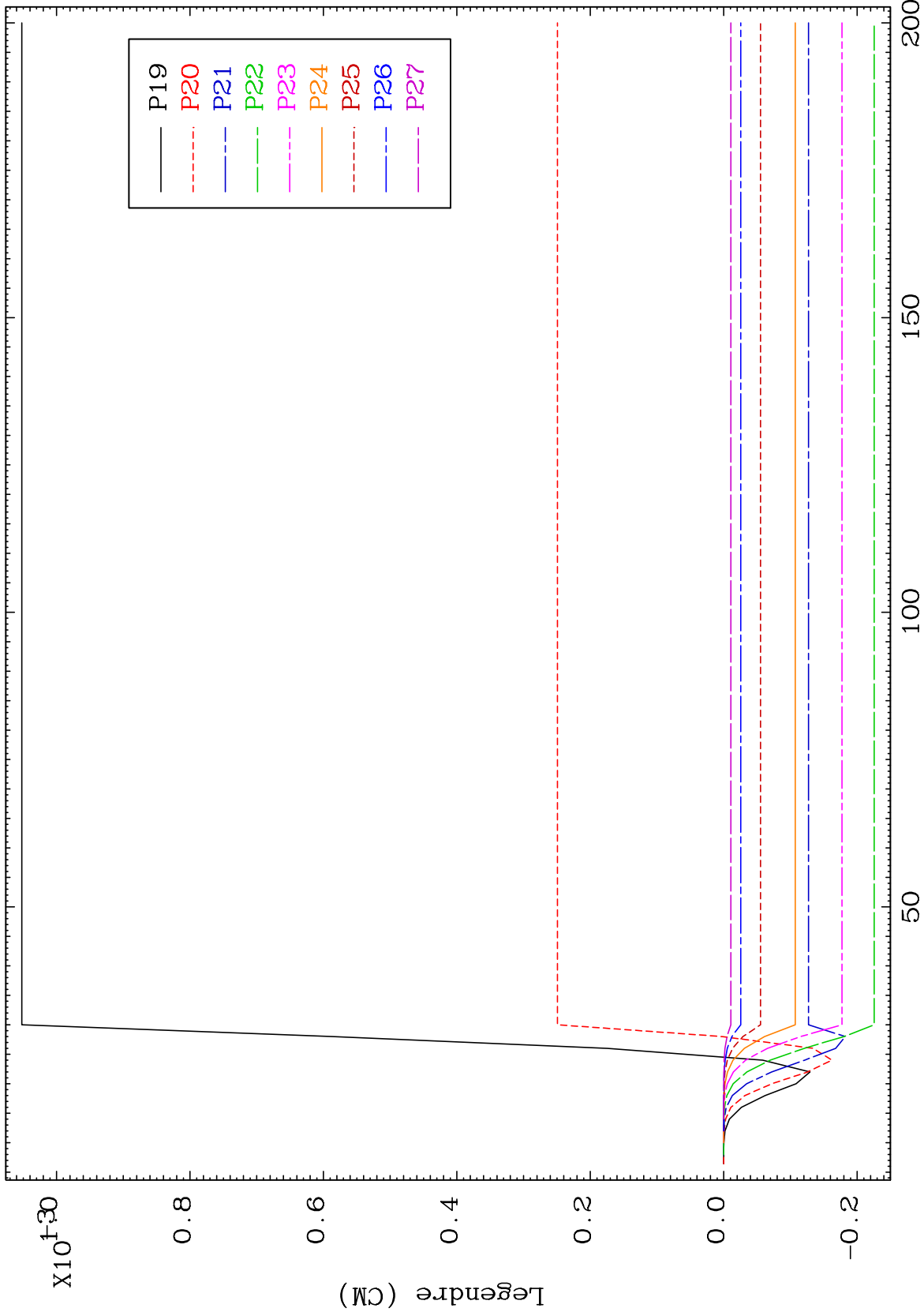
68-Er-161

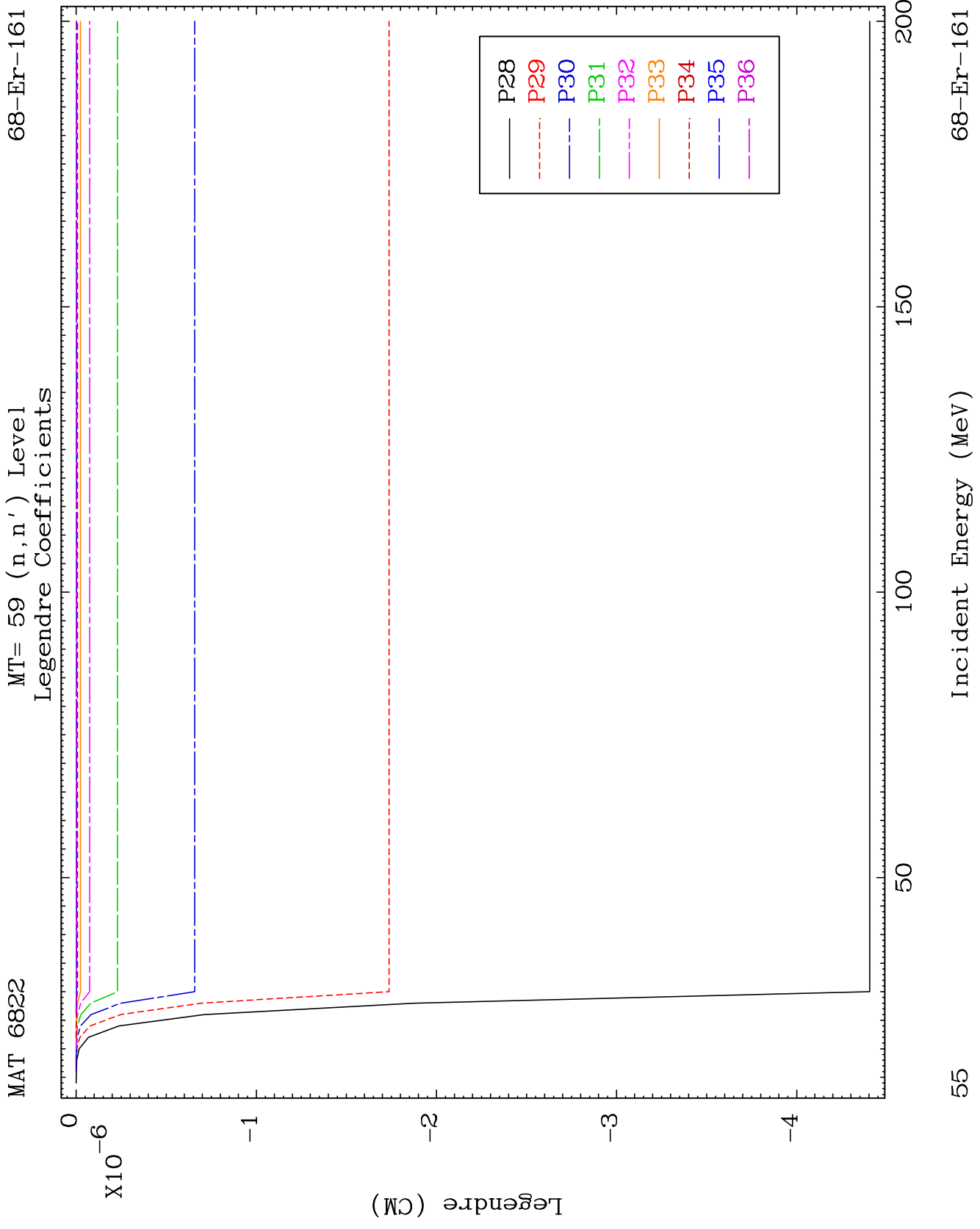


53

Incident Energy (MeV)

68-Er-161



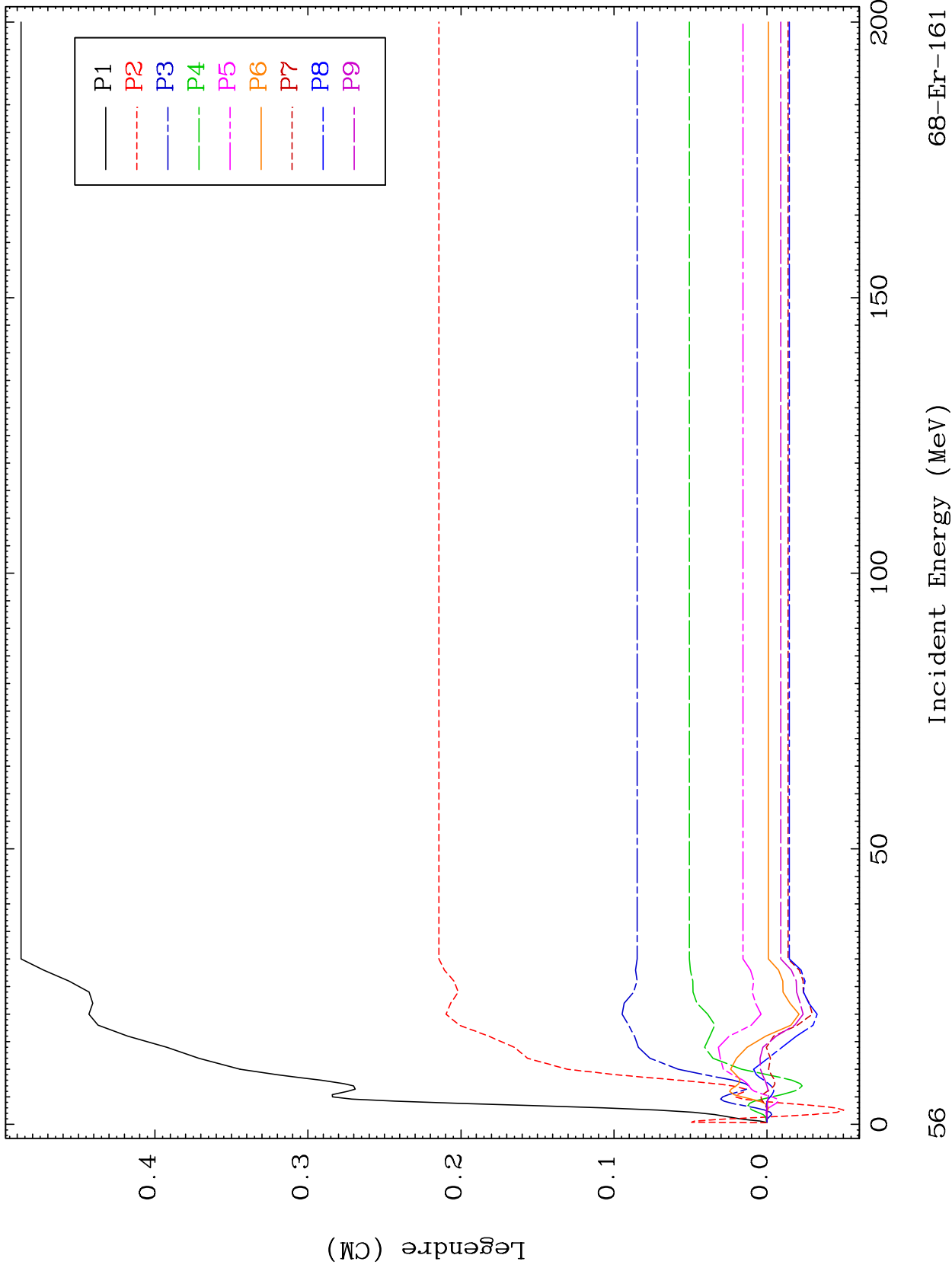




MAT 68222

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

68-Er-161



68-Er-161

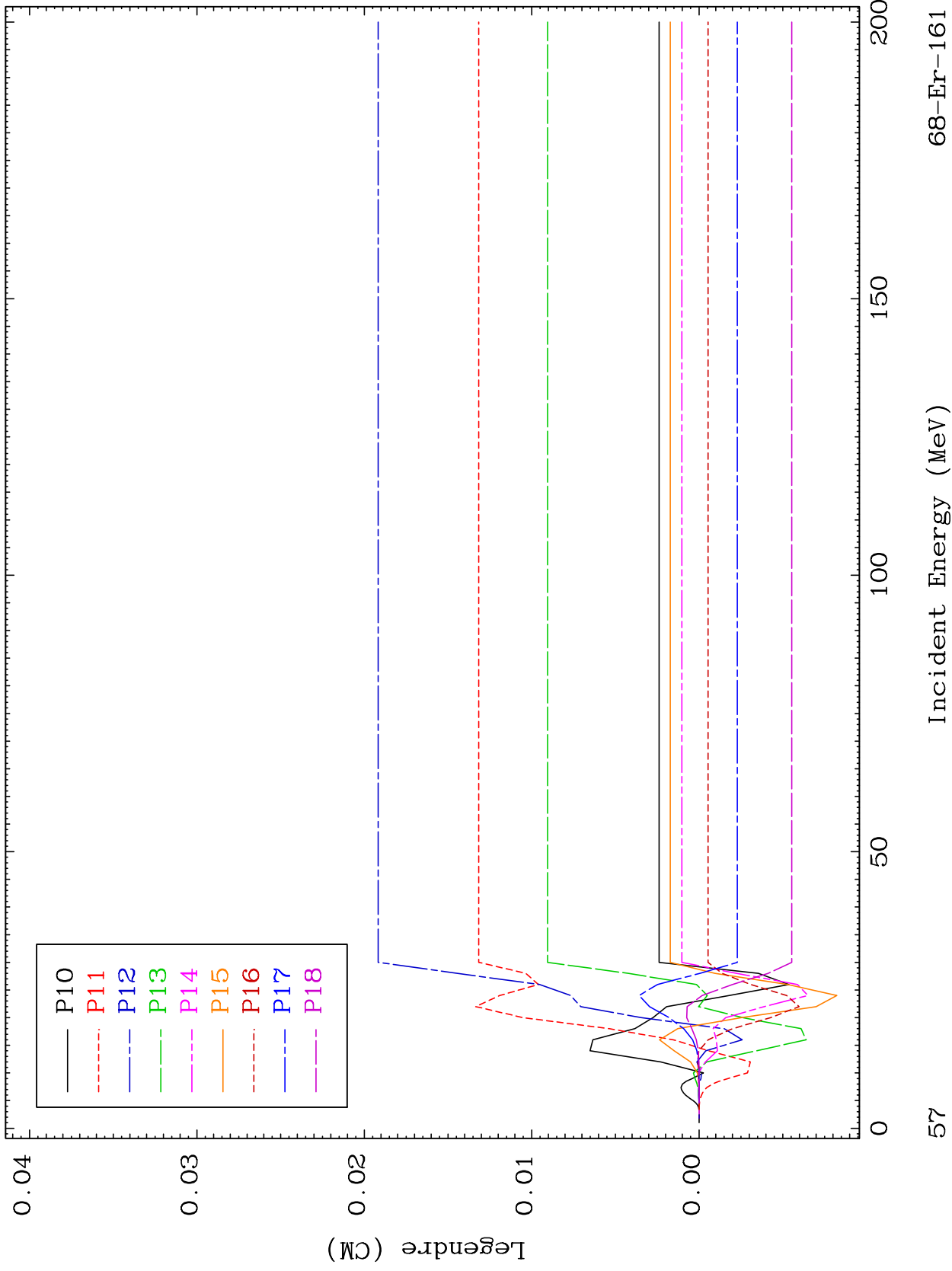
Incident Energy (MeV)

56

MAT 68222

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

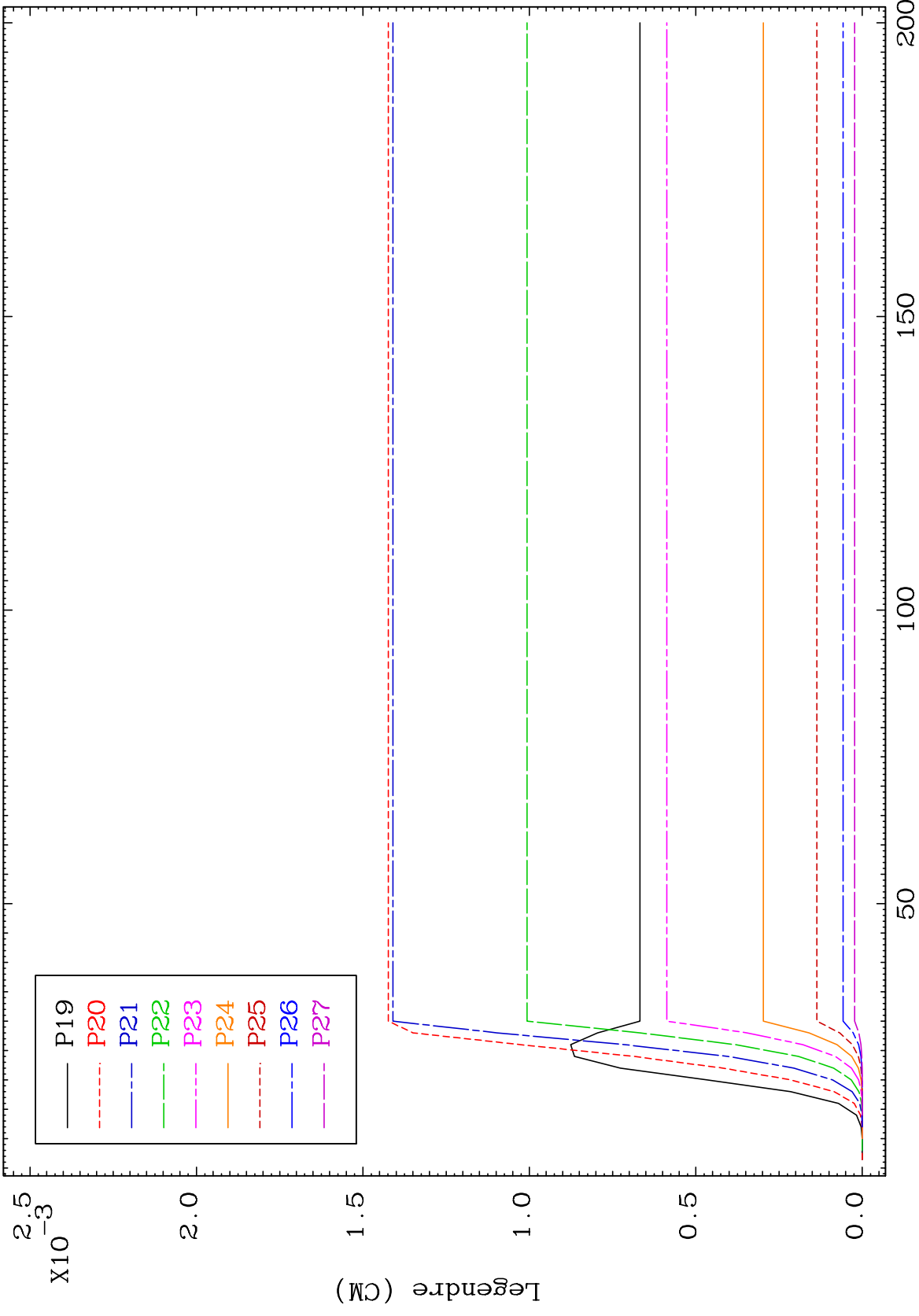
68-Er-161



57

Incident Energy (MeV)

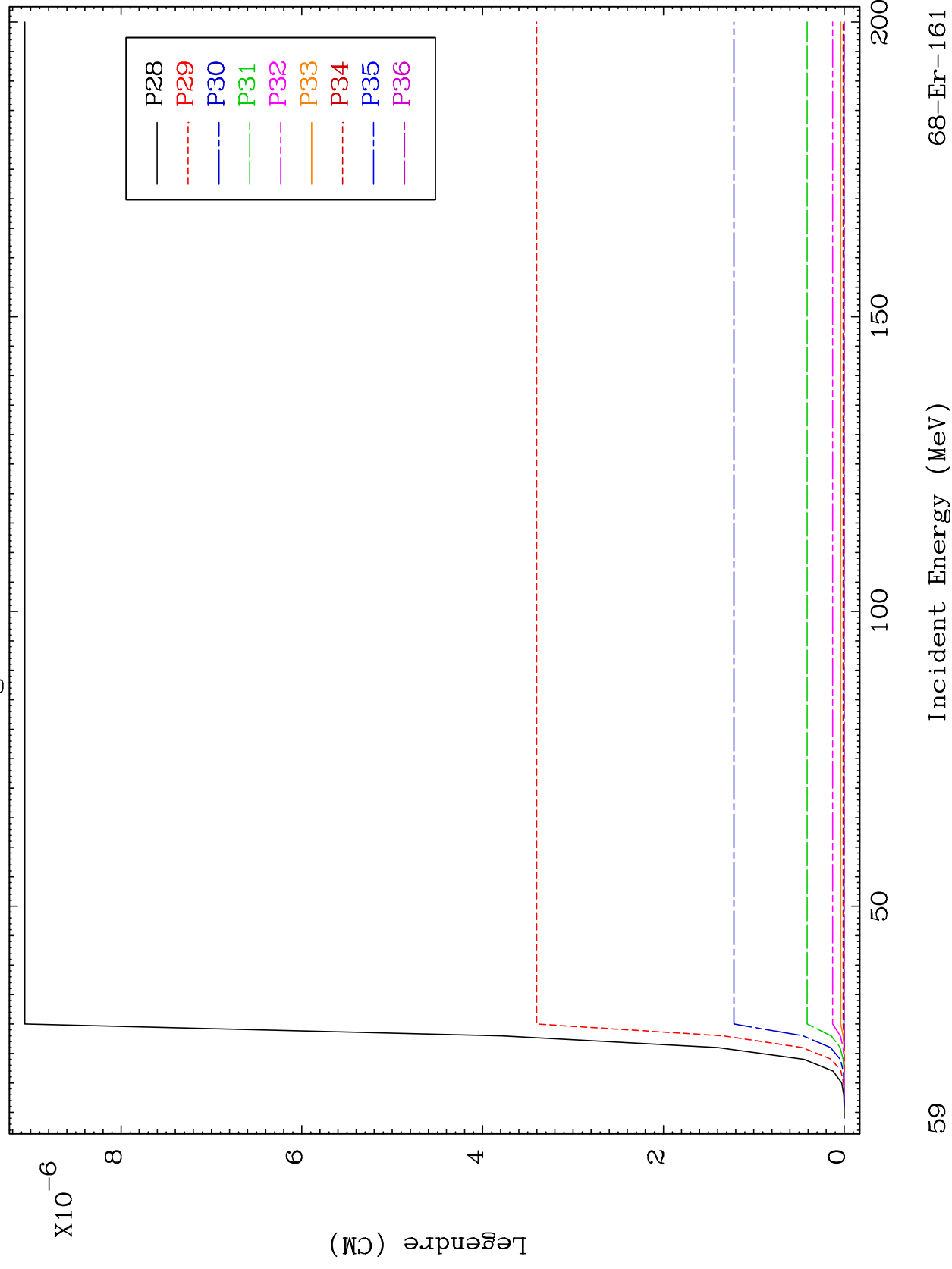
68-Er-161



MAT 68222

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

68-Er-161



59

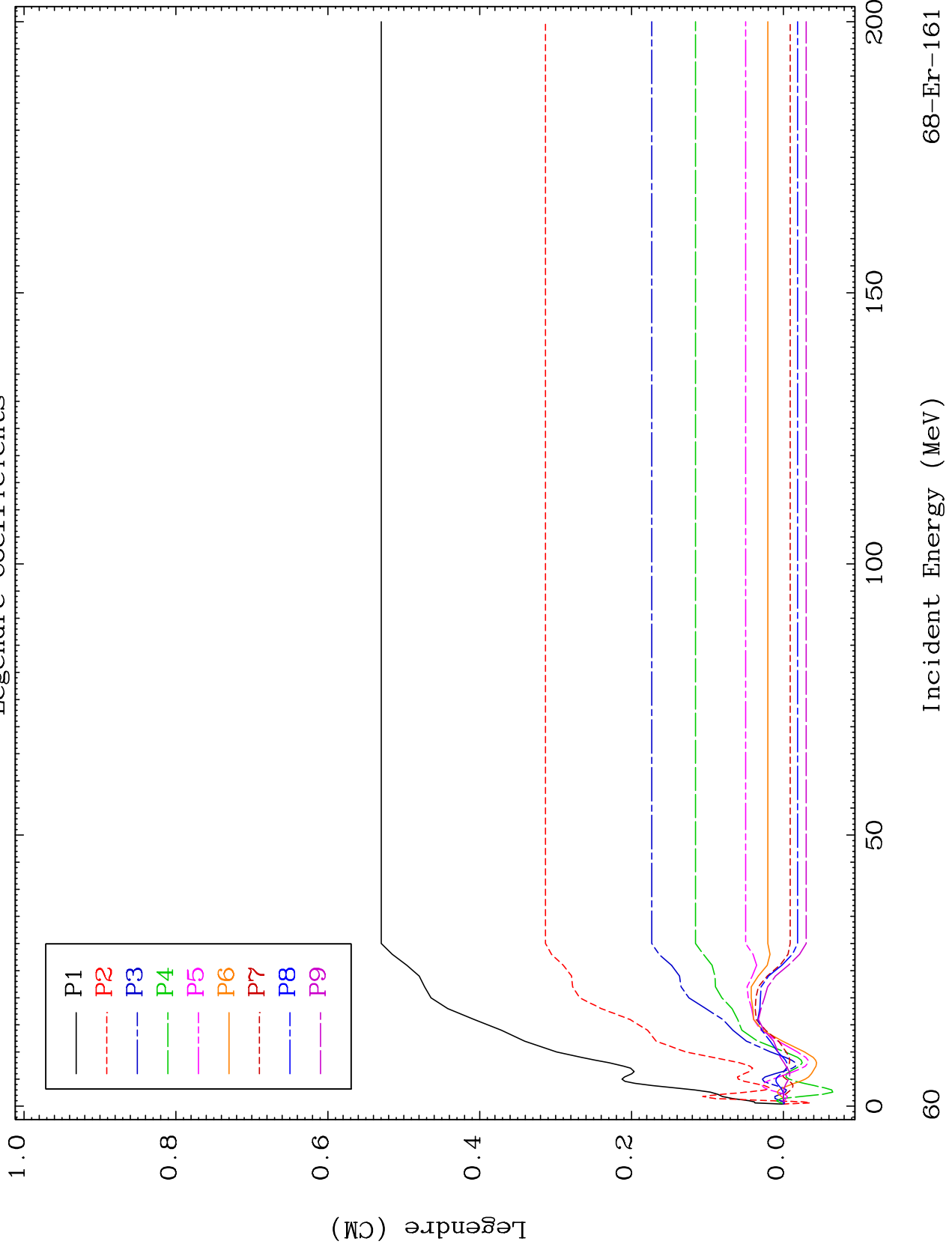
Incident Energy (MeV)

68-Er-161

MAT 68222

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

68-Er-161



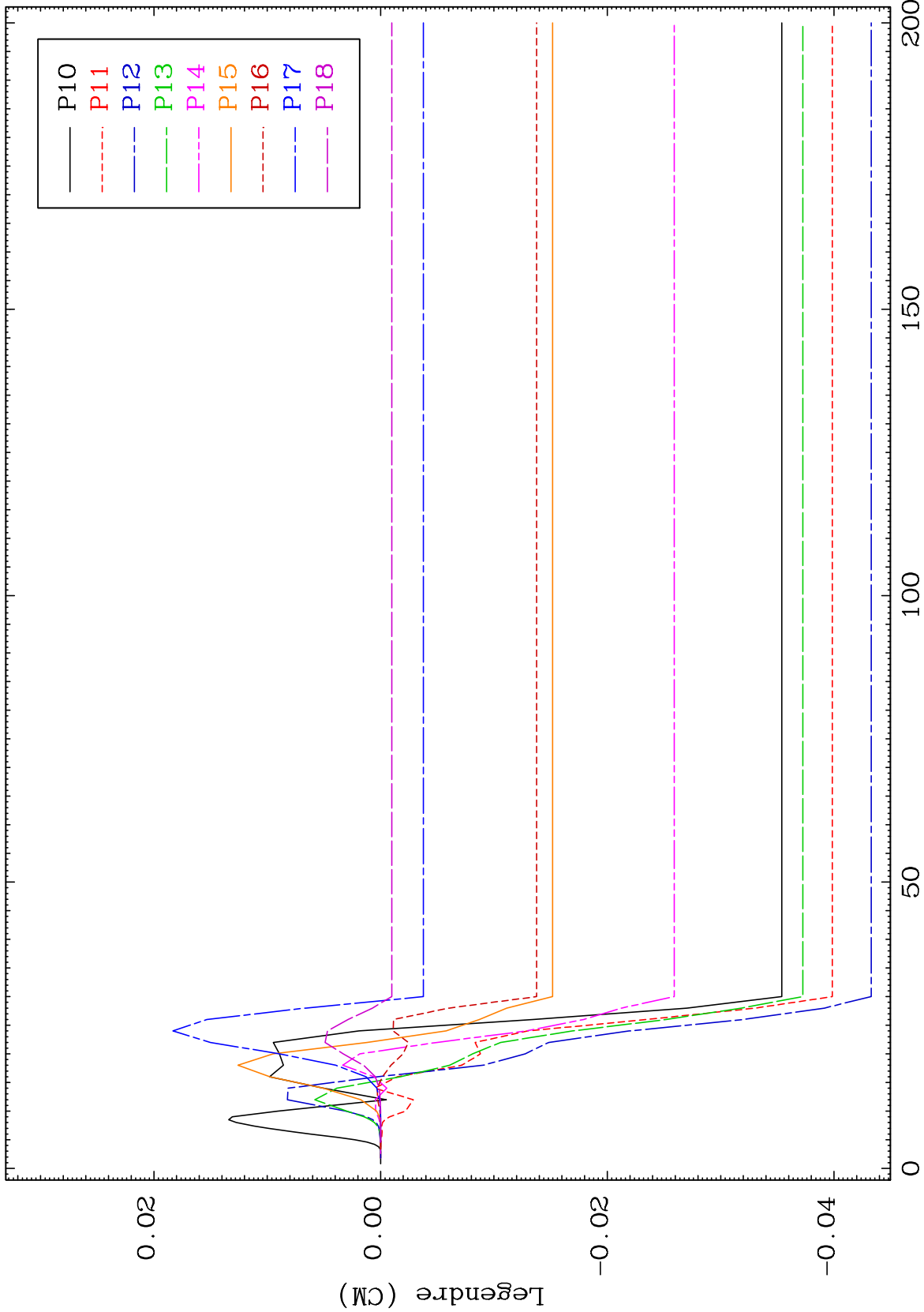
68-Er-161

Incident Energy (MeV)

MAT 6822

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

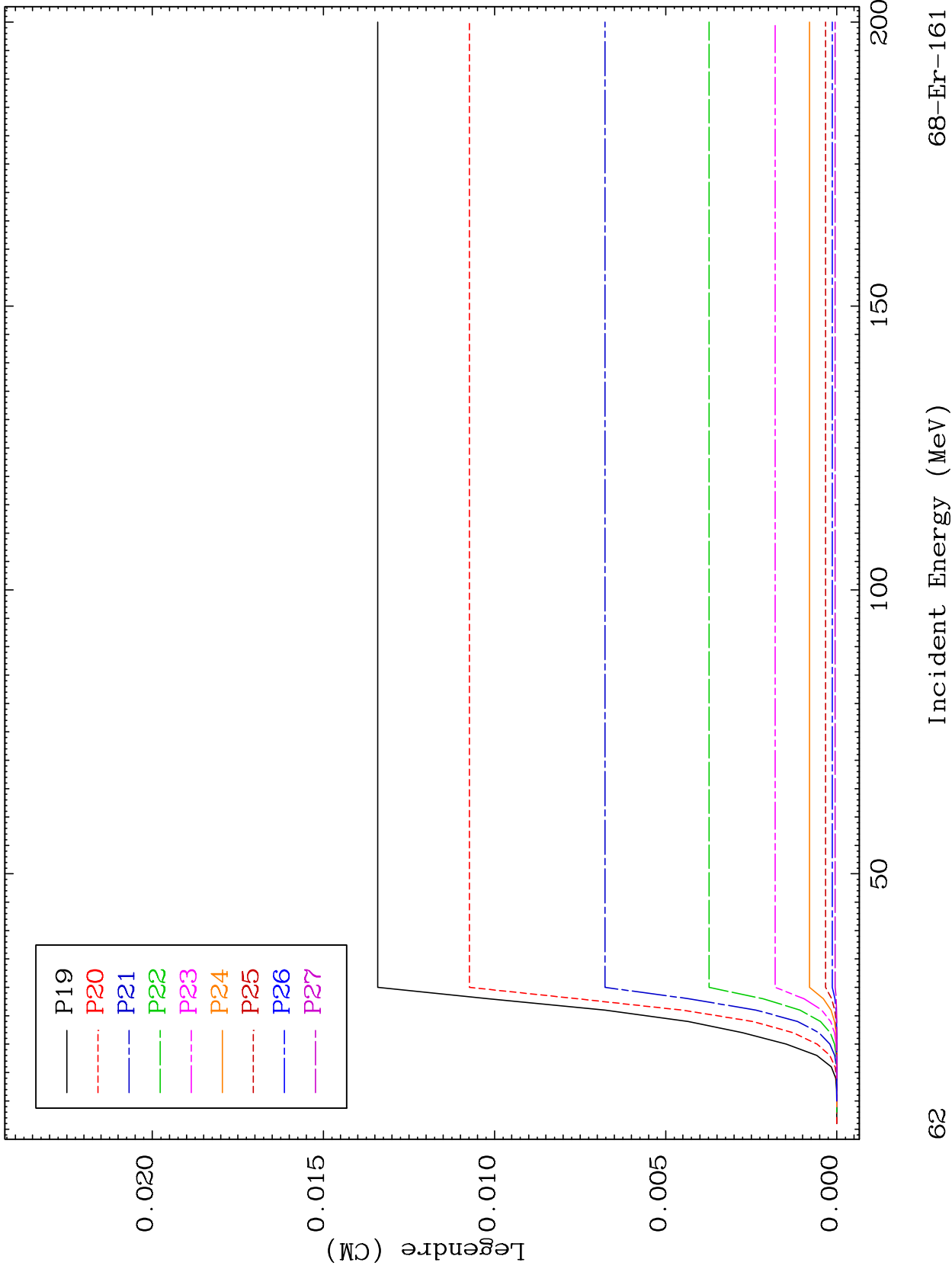
68-Er-161



61

Incident Energy (MeV)

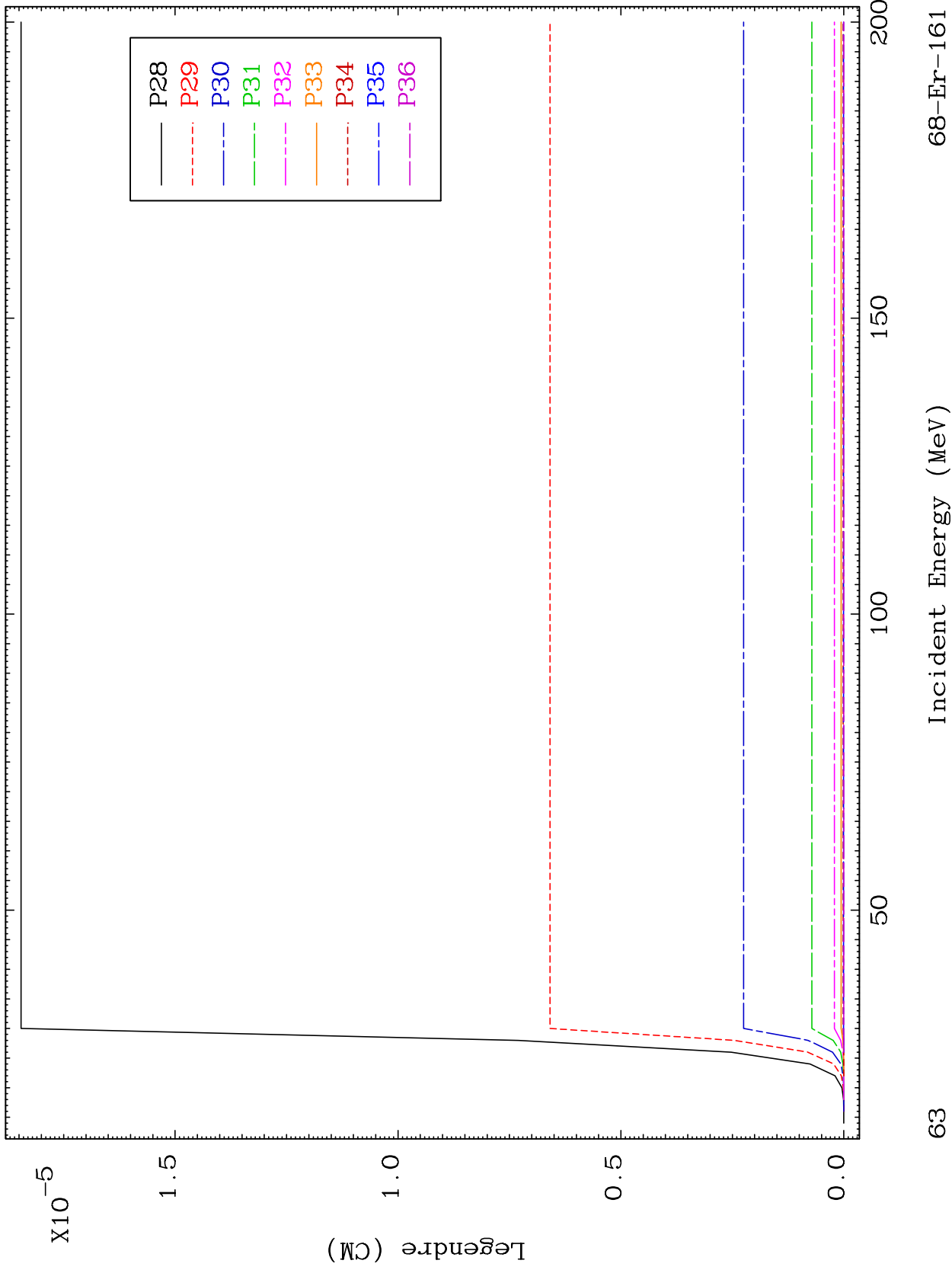
68-Er-161



MAT 6822

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

68-Er-161



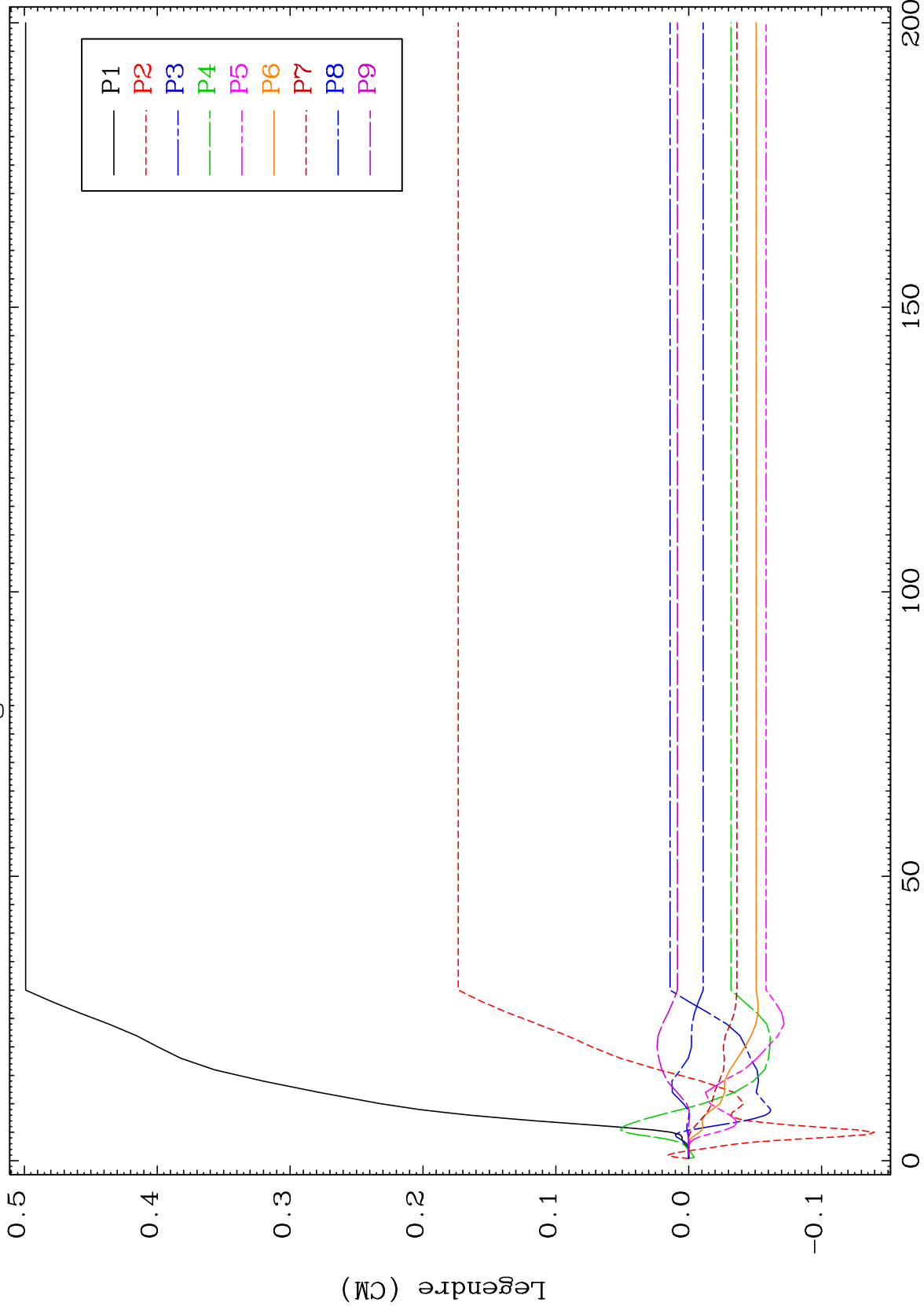


MAT 68222

MT= 62 (n,n') Level

68-Er-161

Legendre Coefficients



64

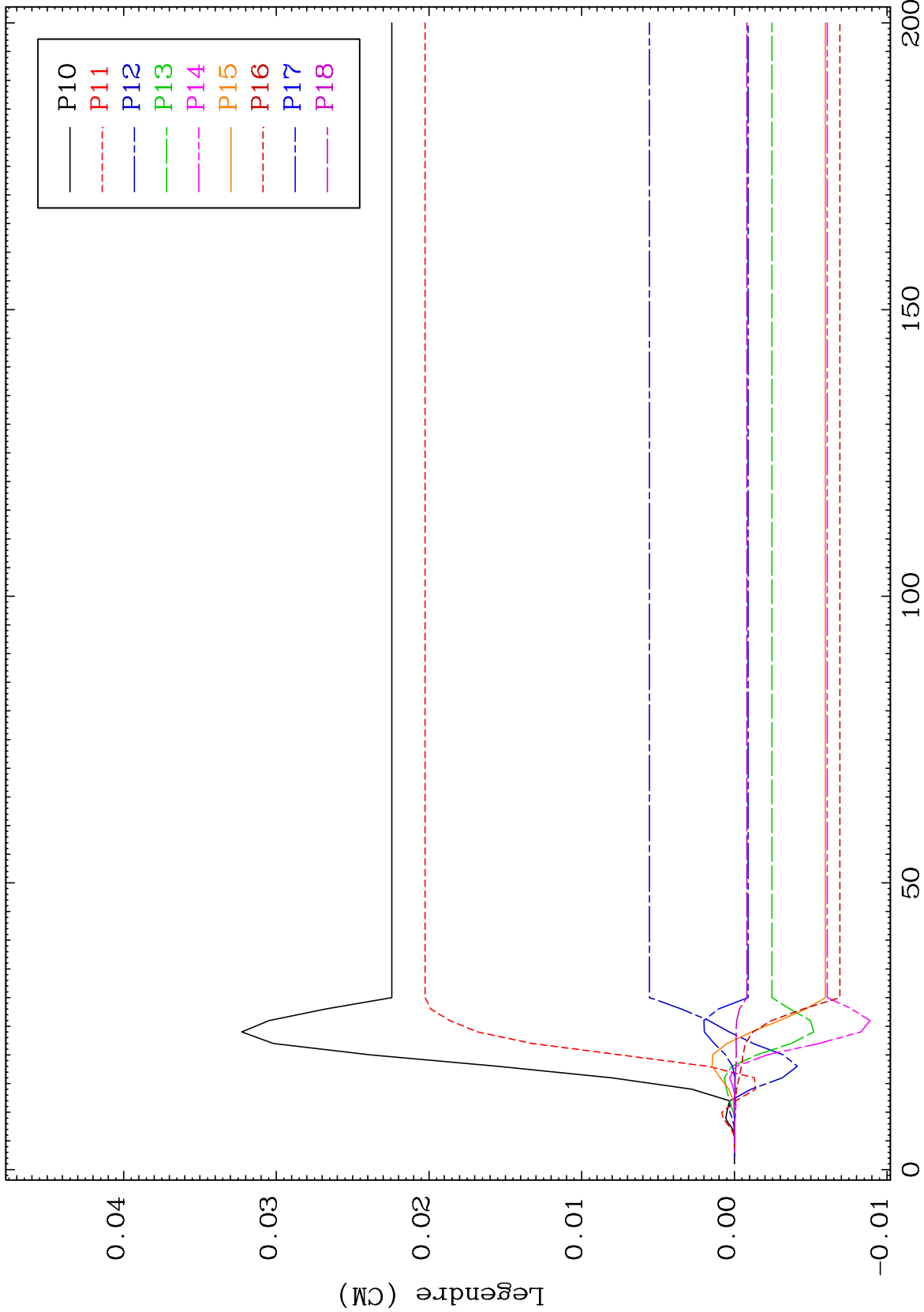
Incident Energy (MeV)

68-Er-161

MAT 68222

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

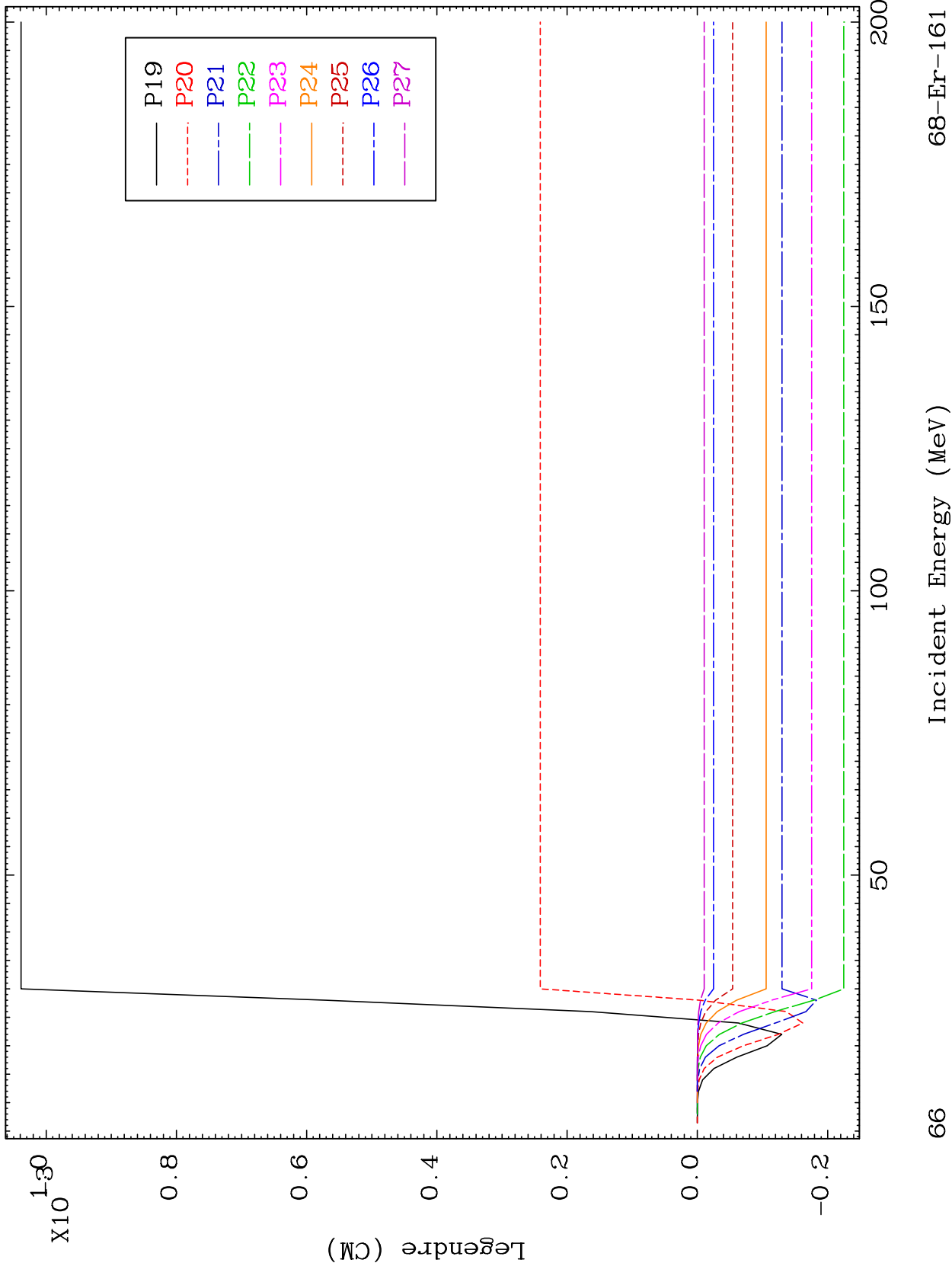
68-Er-161

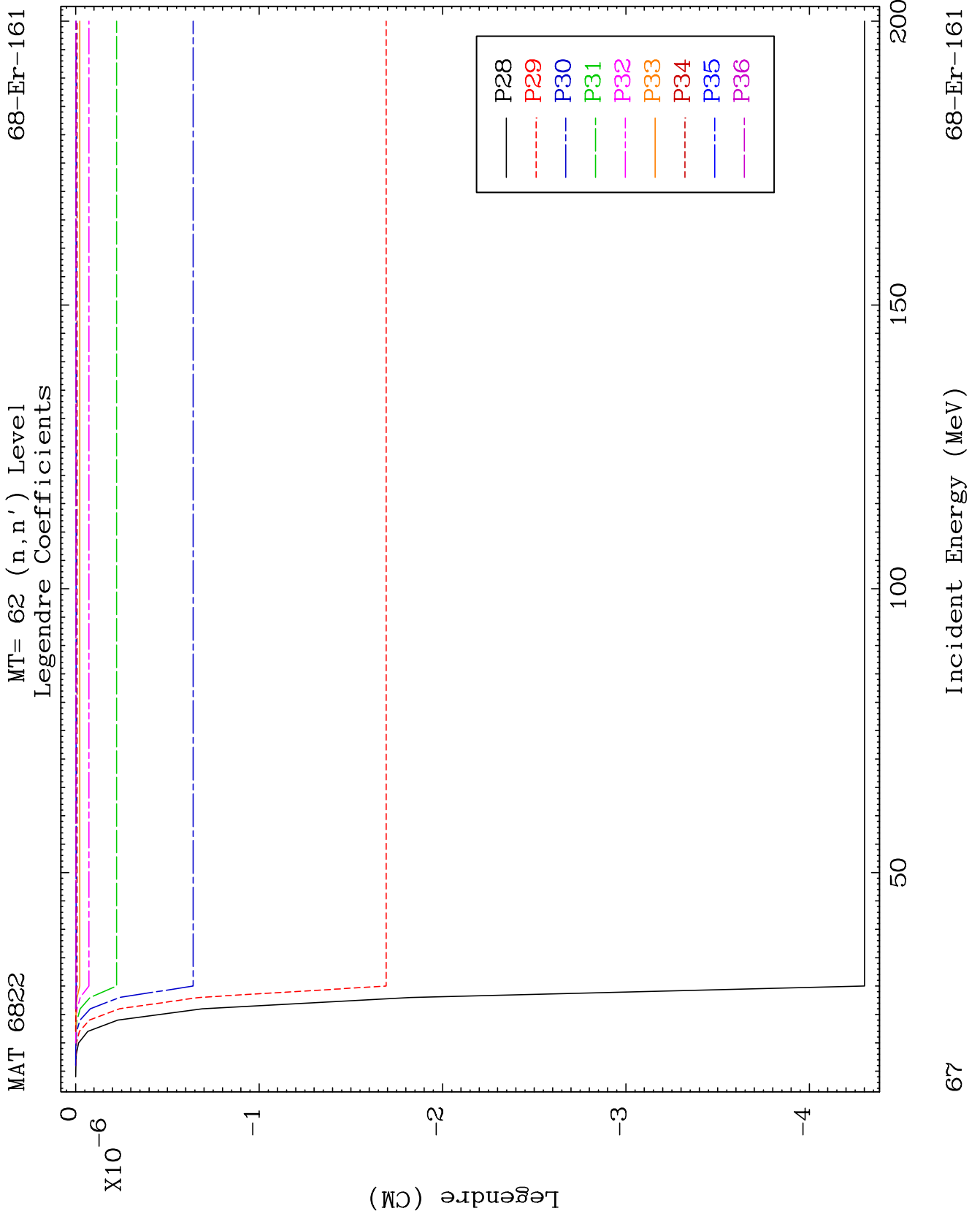


65

Incident Energy (MeV)

68-Er-161

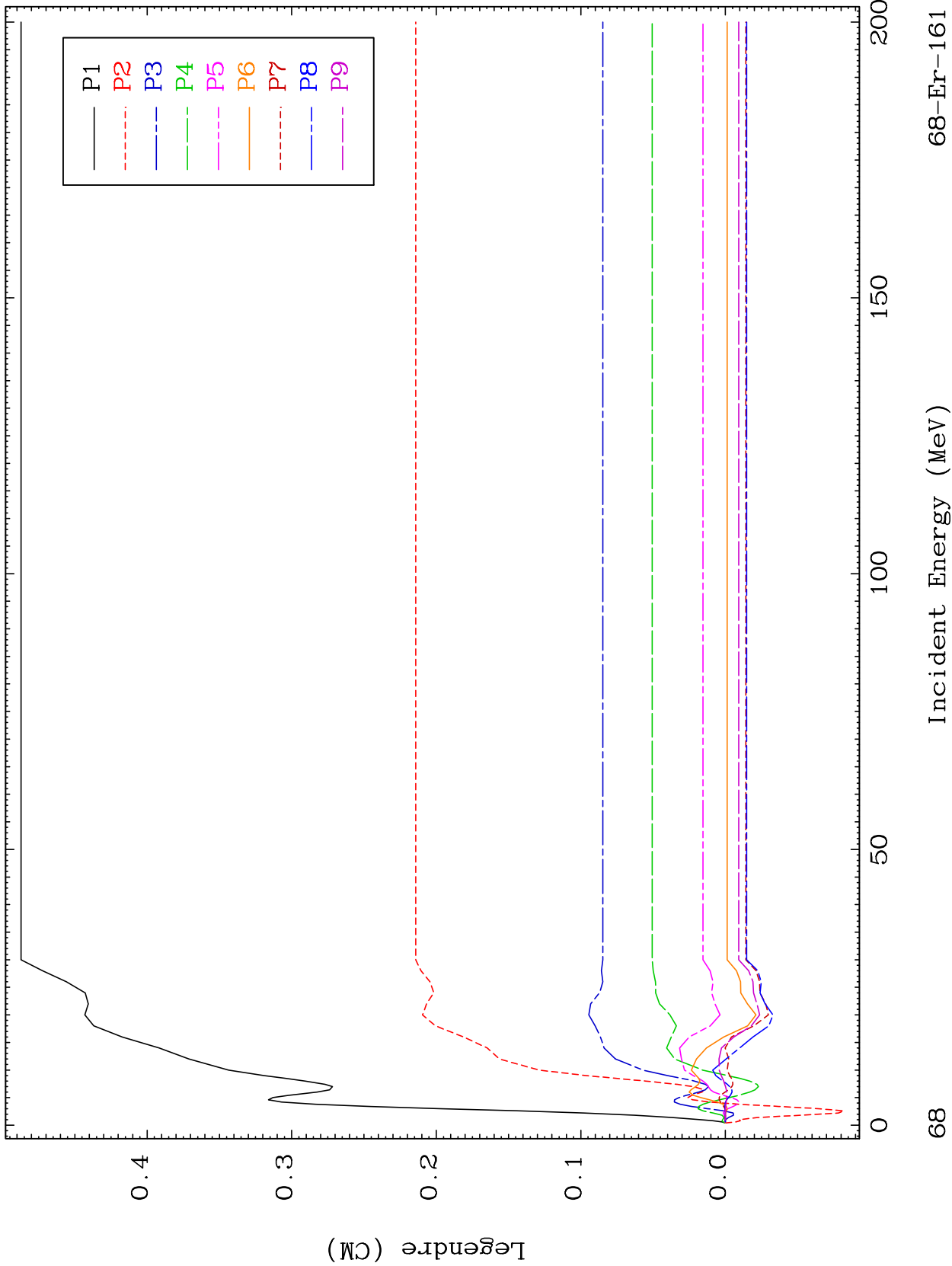




MAT 68222

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

68-Er-161



68-Er-161

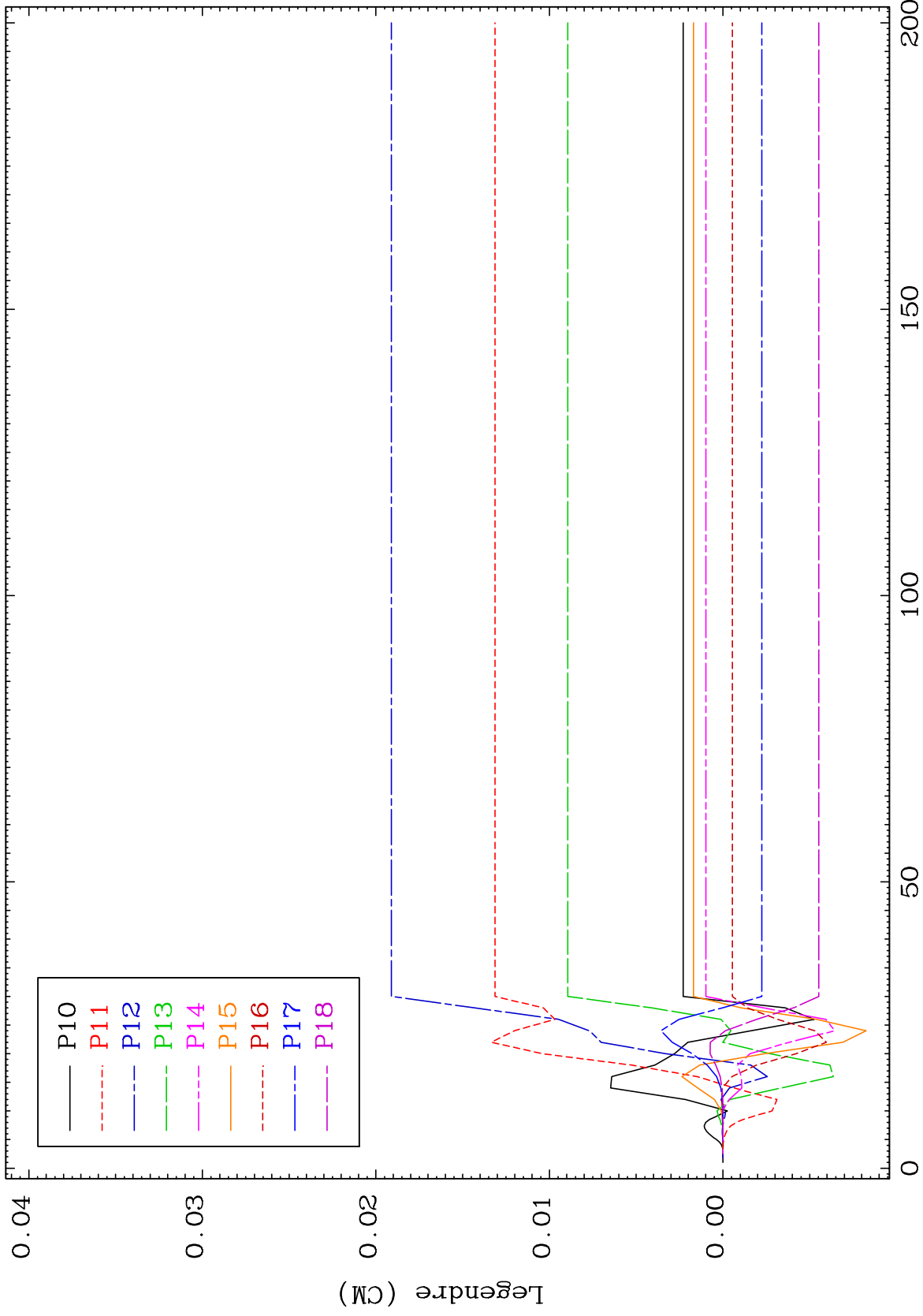
Incident Energy (MeV)

68

MAT 68222

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

68-Er-161



69

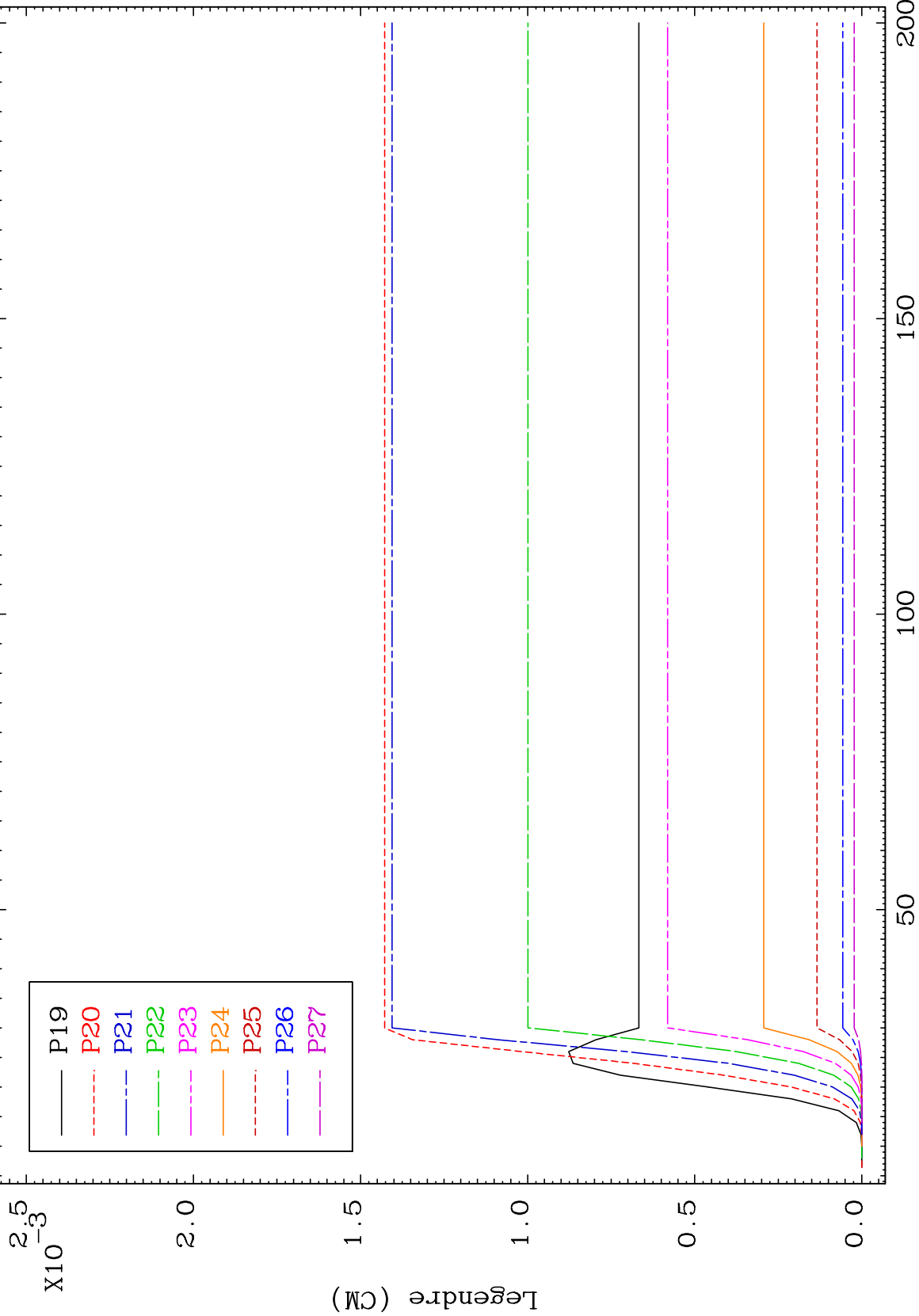
Incident Energy (MeV)

68-Er-161

MAT 68222

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

68-Er-161



70

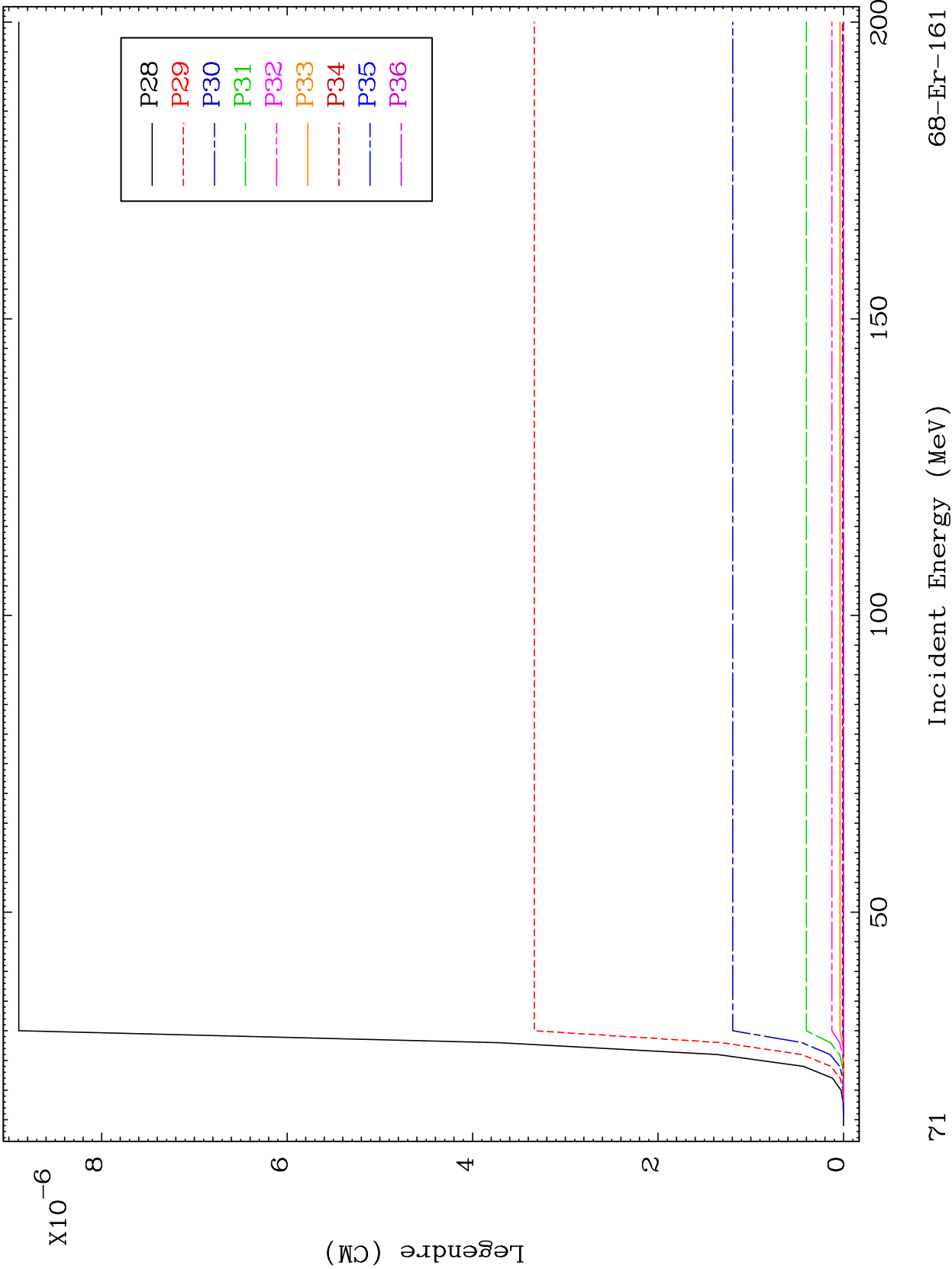
Incident Energy (MeV)

68-Er-161

MAT 68222

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

68-Er-161



71

Incident Energy (MeV)

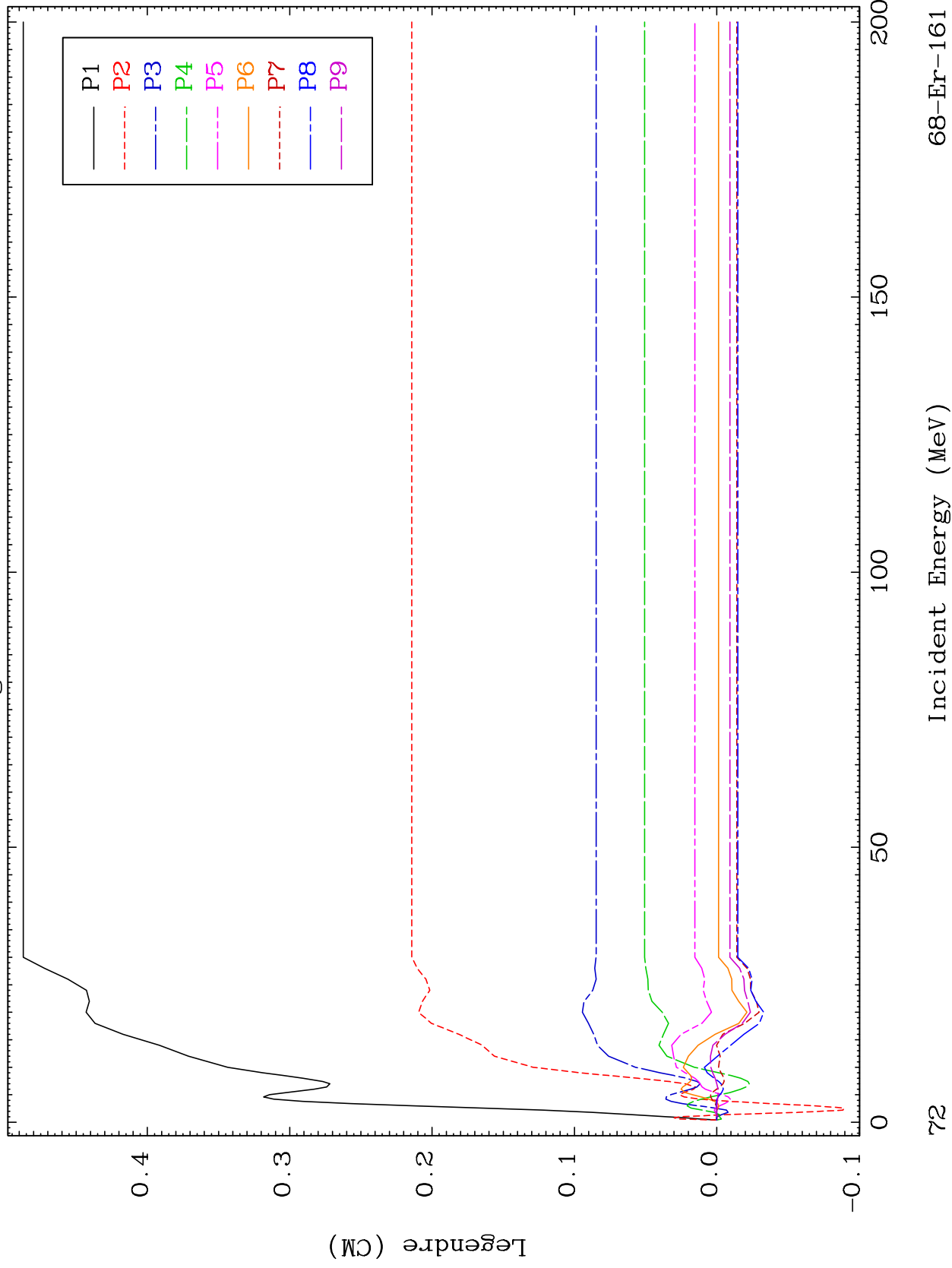
68-Er-161



MAT 68222

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

68-Er-161



68-Er-161

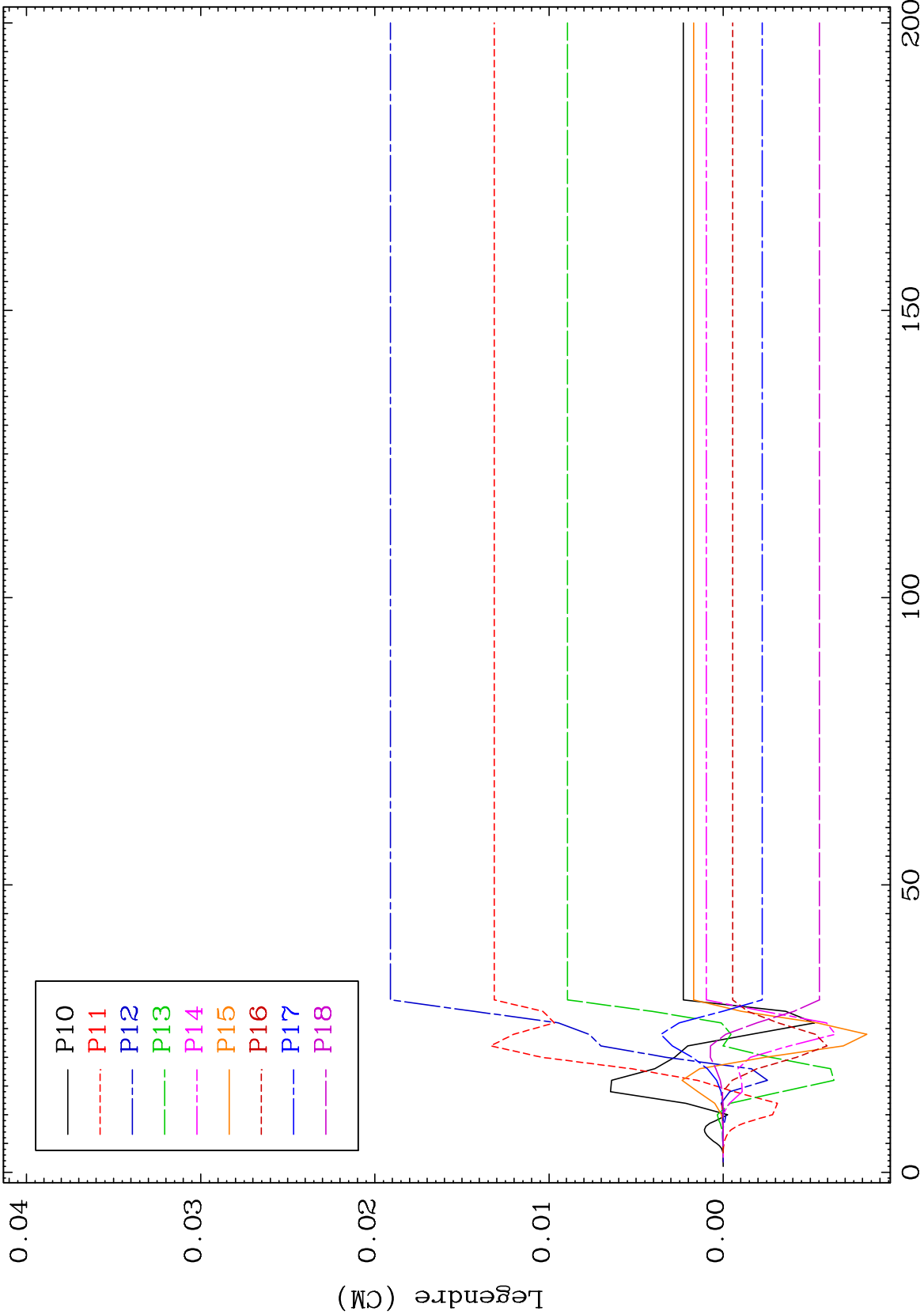
Incident Energy (MeV)

72

MAT 68222

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

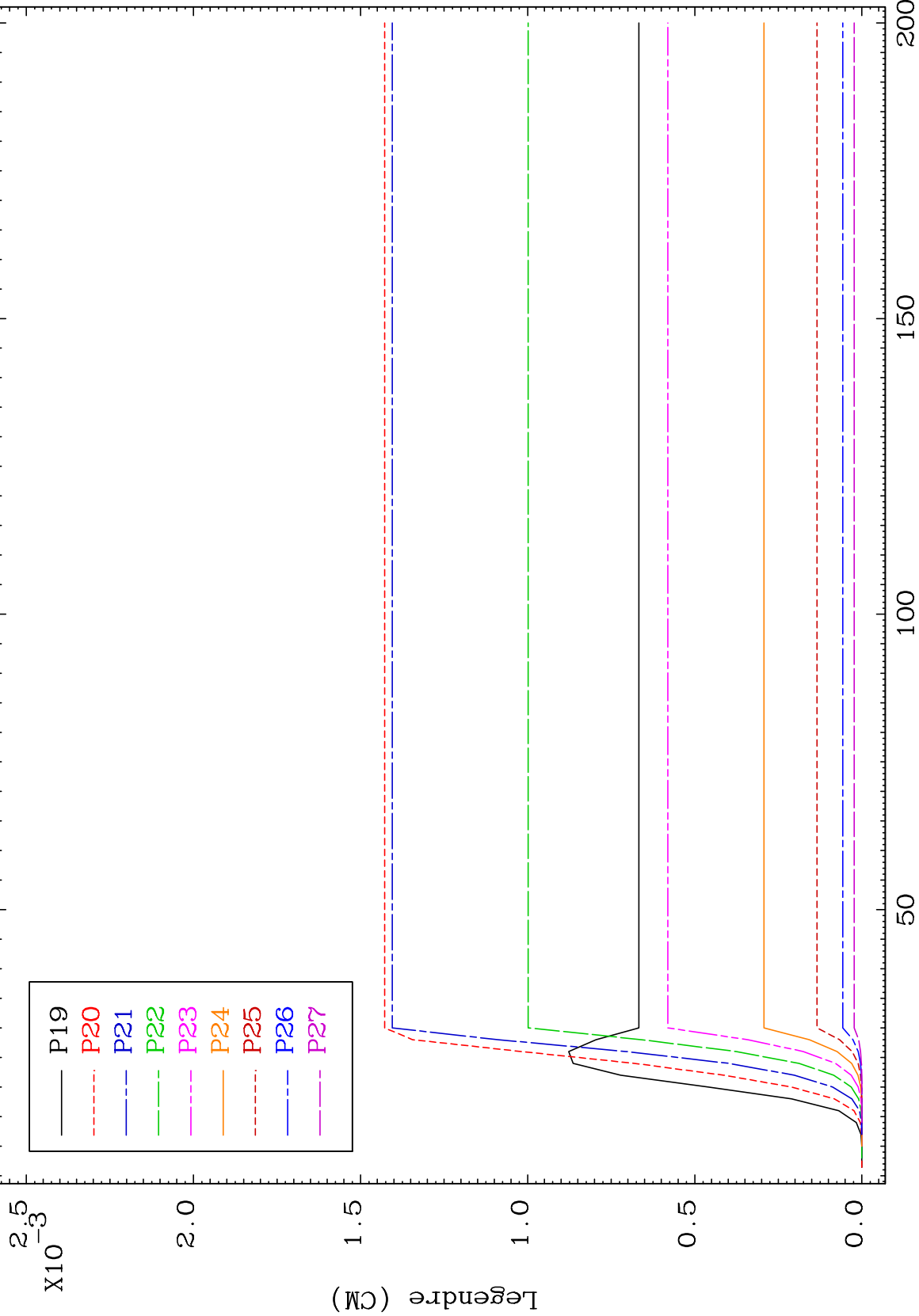
68-Er-161



73

Incident Energy (MeV)

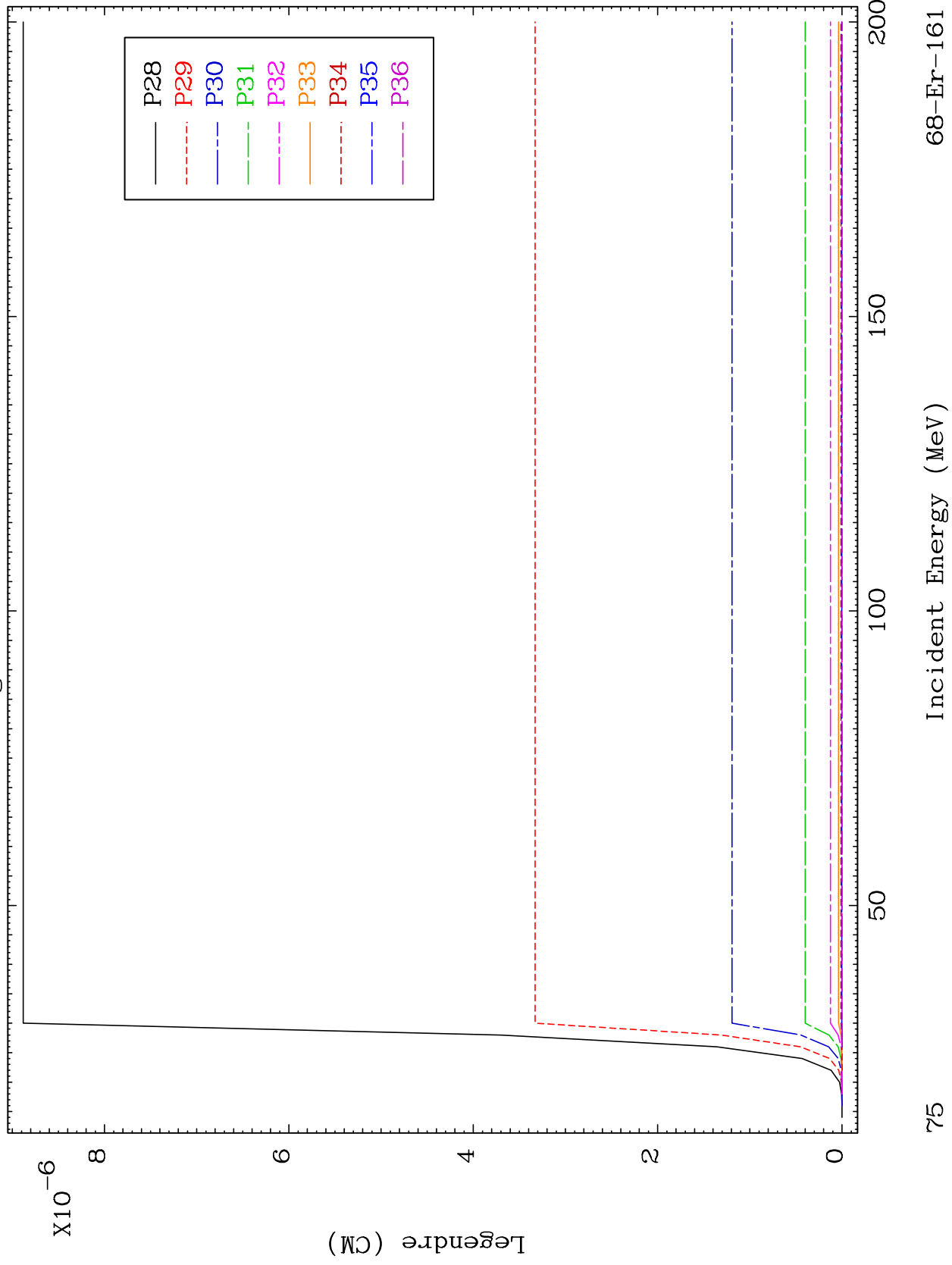
68-Er-161



MAT 6822

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

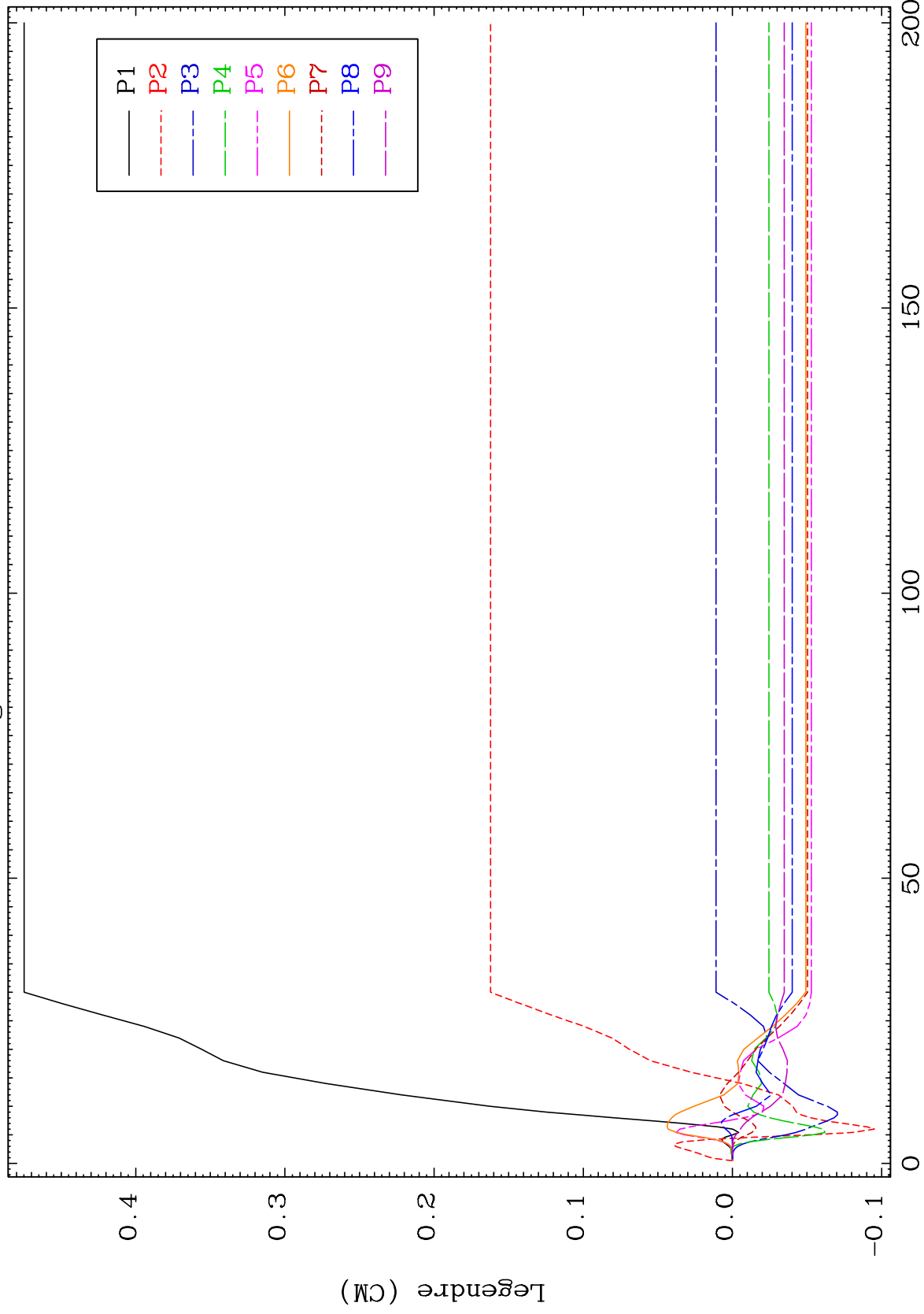
68-Er-161



MAT 68222

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

68-Er-161



76

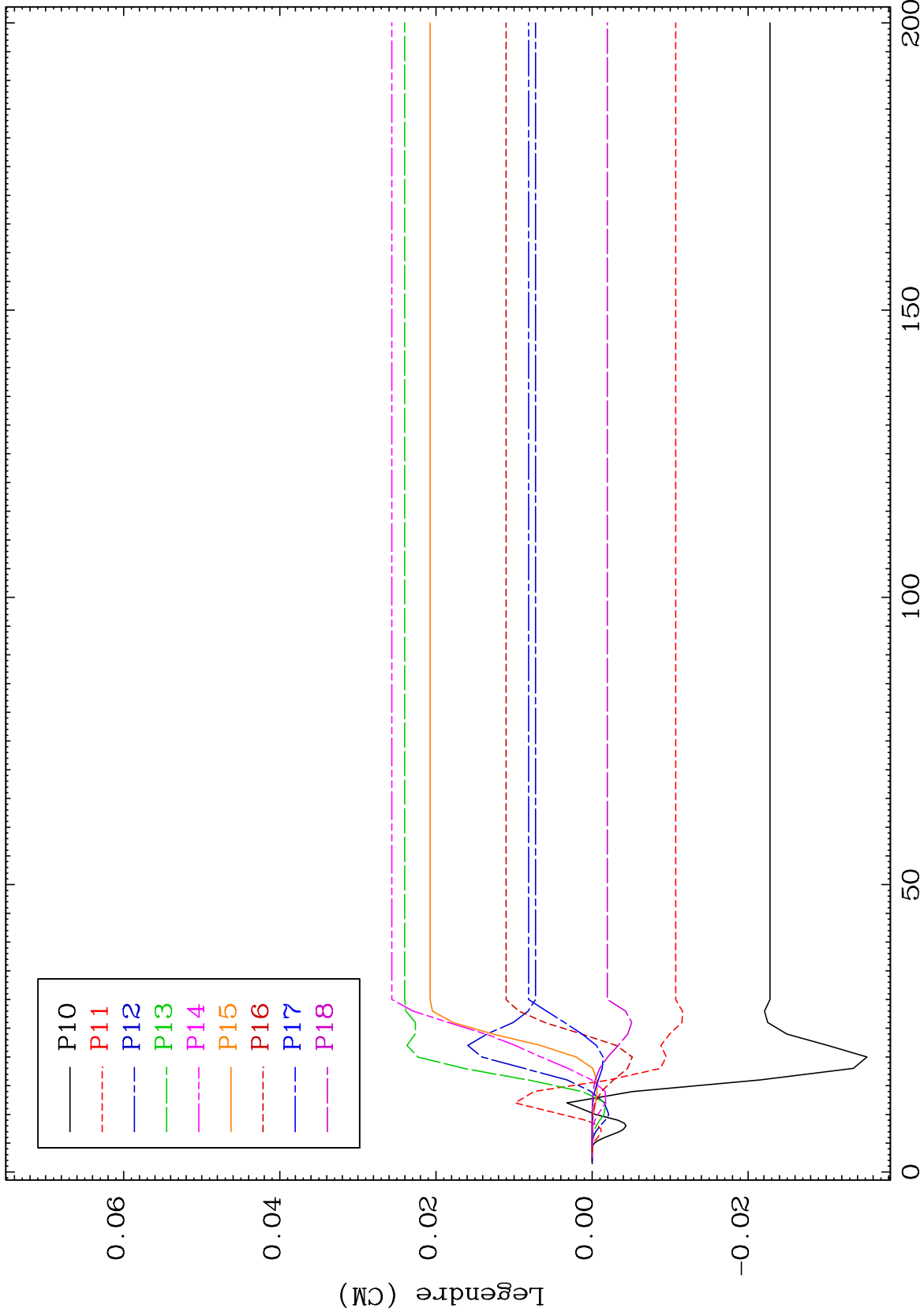
Incident Energy (MeV)

68-Er-161

MAT 68222

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

68-Er-161



77

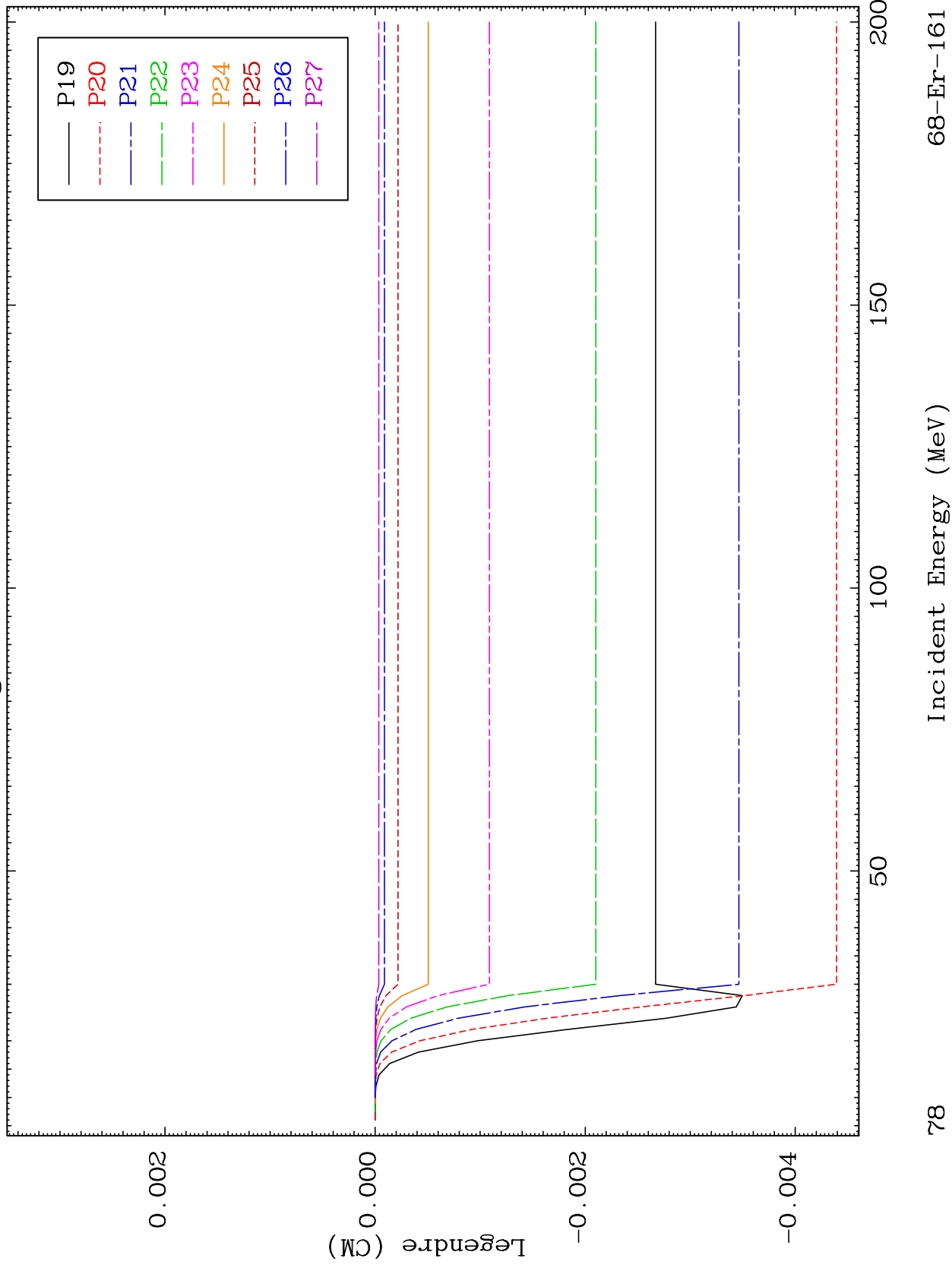
Incident Energy (MeV)

68-Er-161

MAT 6822

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

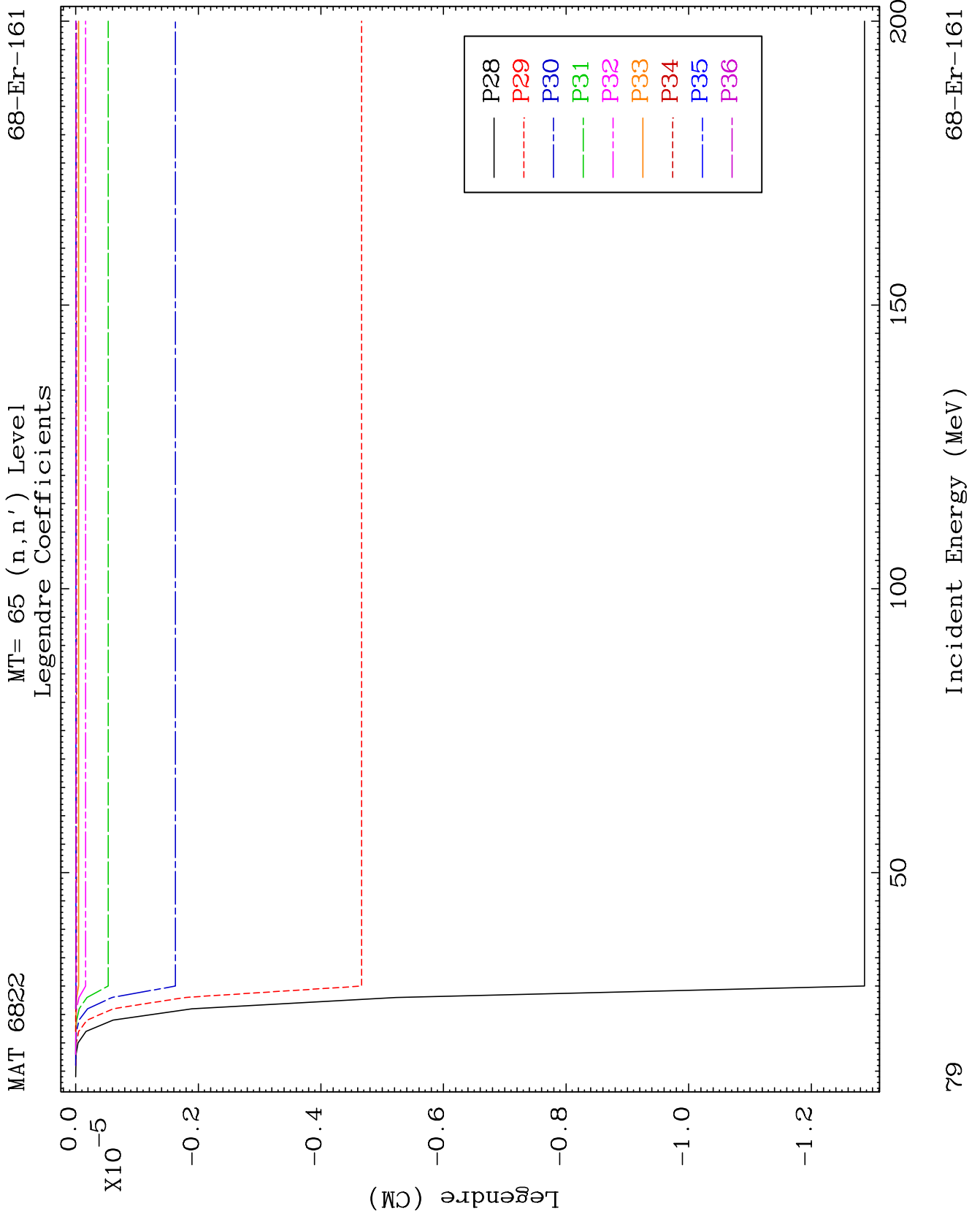
68-Er-161



78

Incident Energy (MeV)

68-Er-161

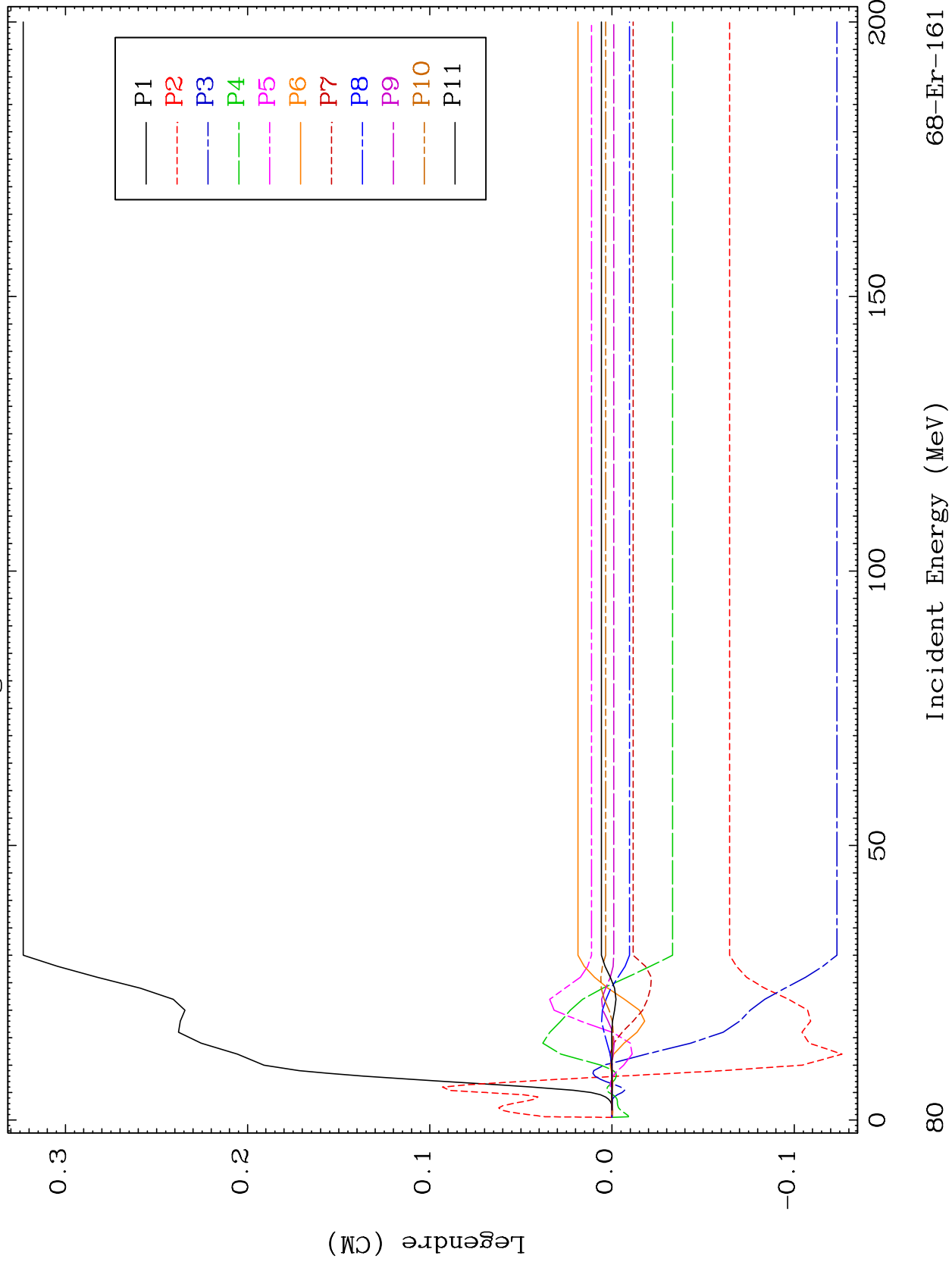




MAT 6822

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

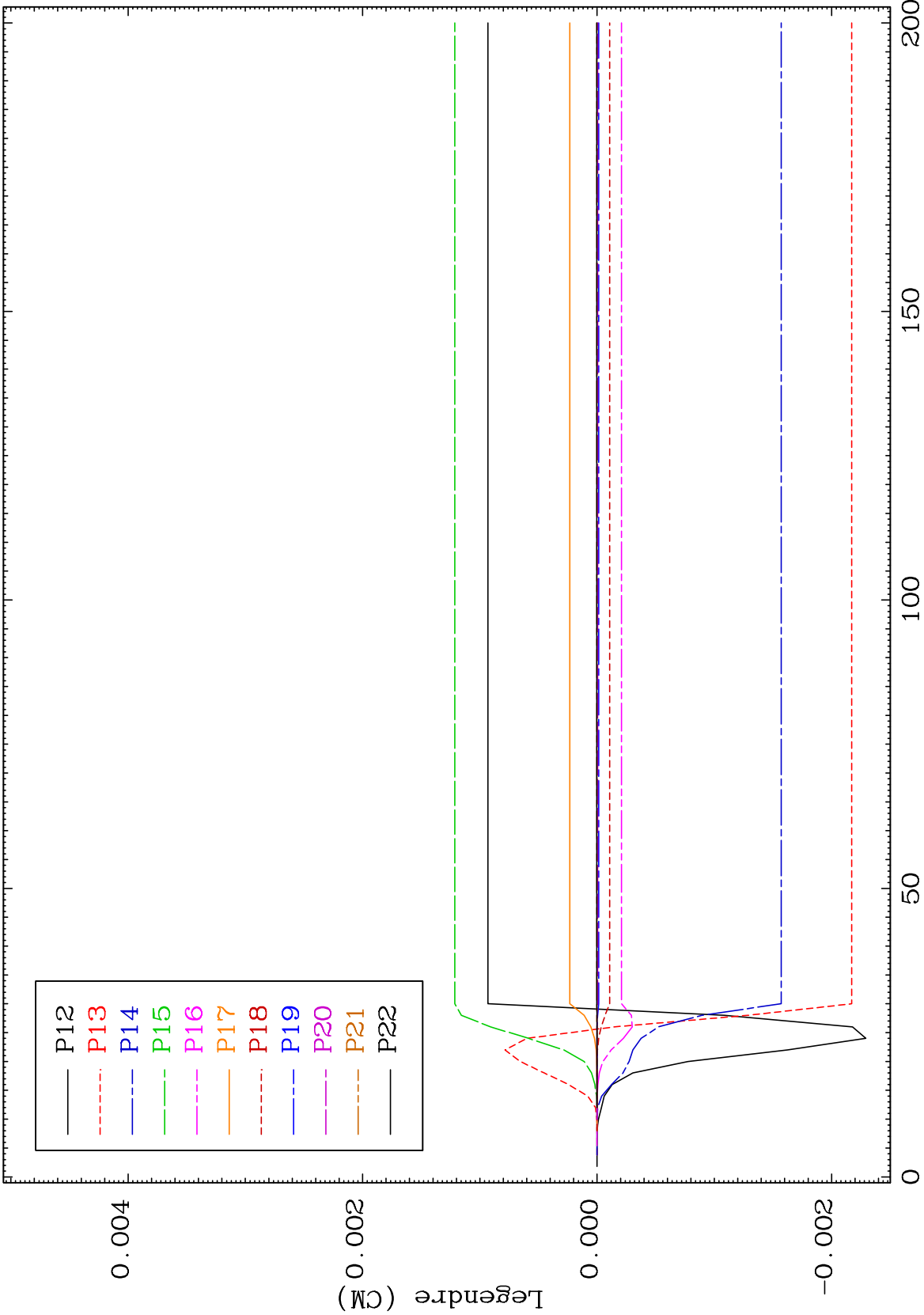
68-Er-161

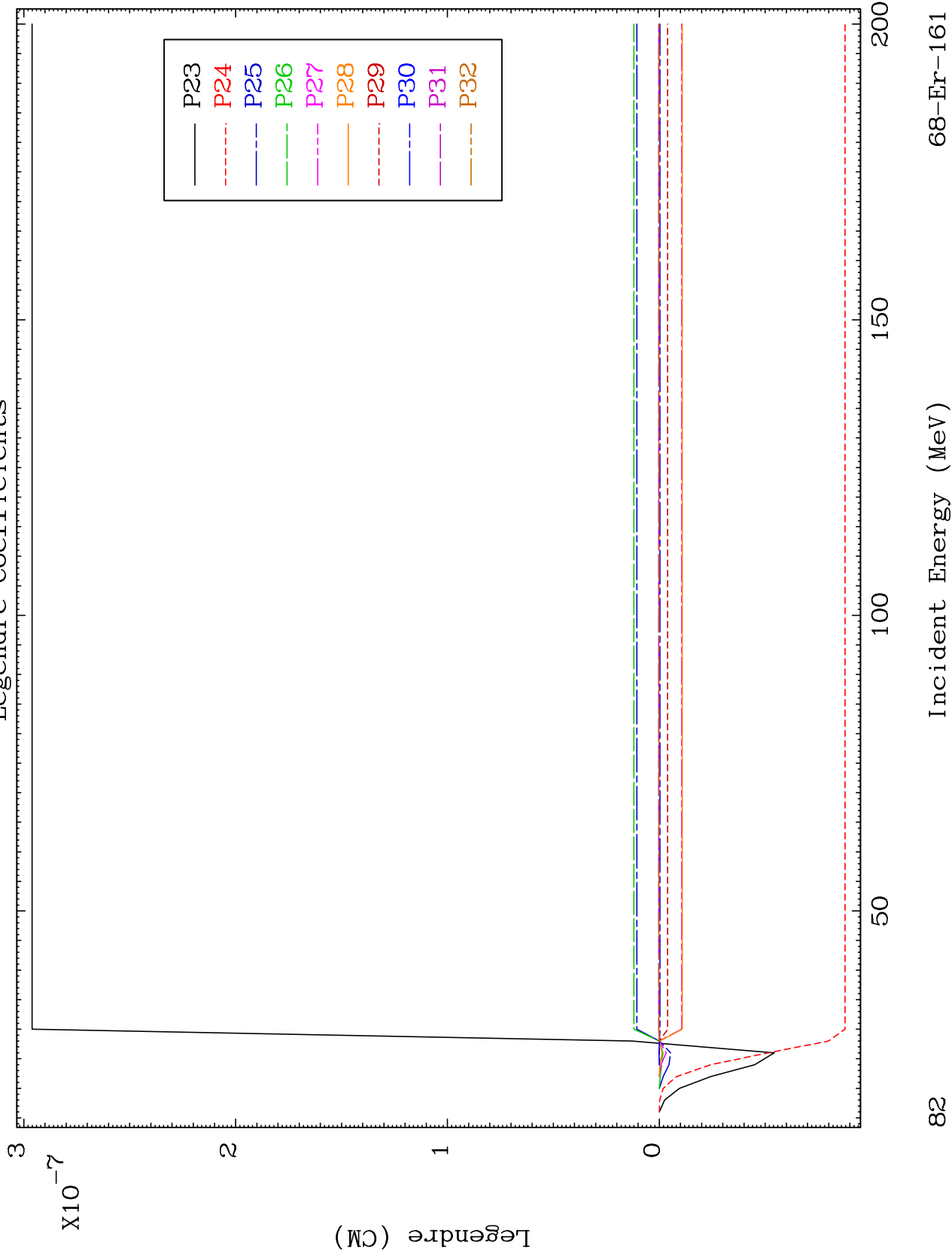


68-Er-161

Incident Energy (MeV)

80

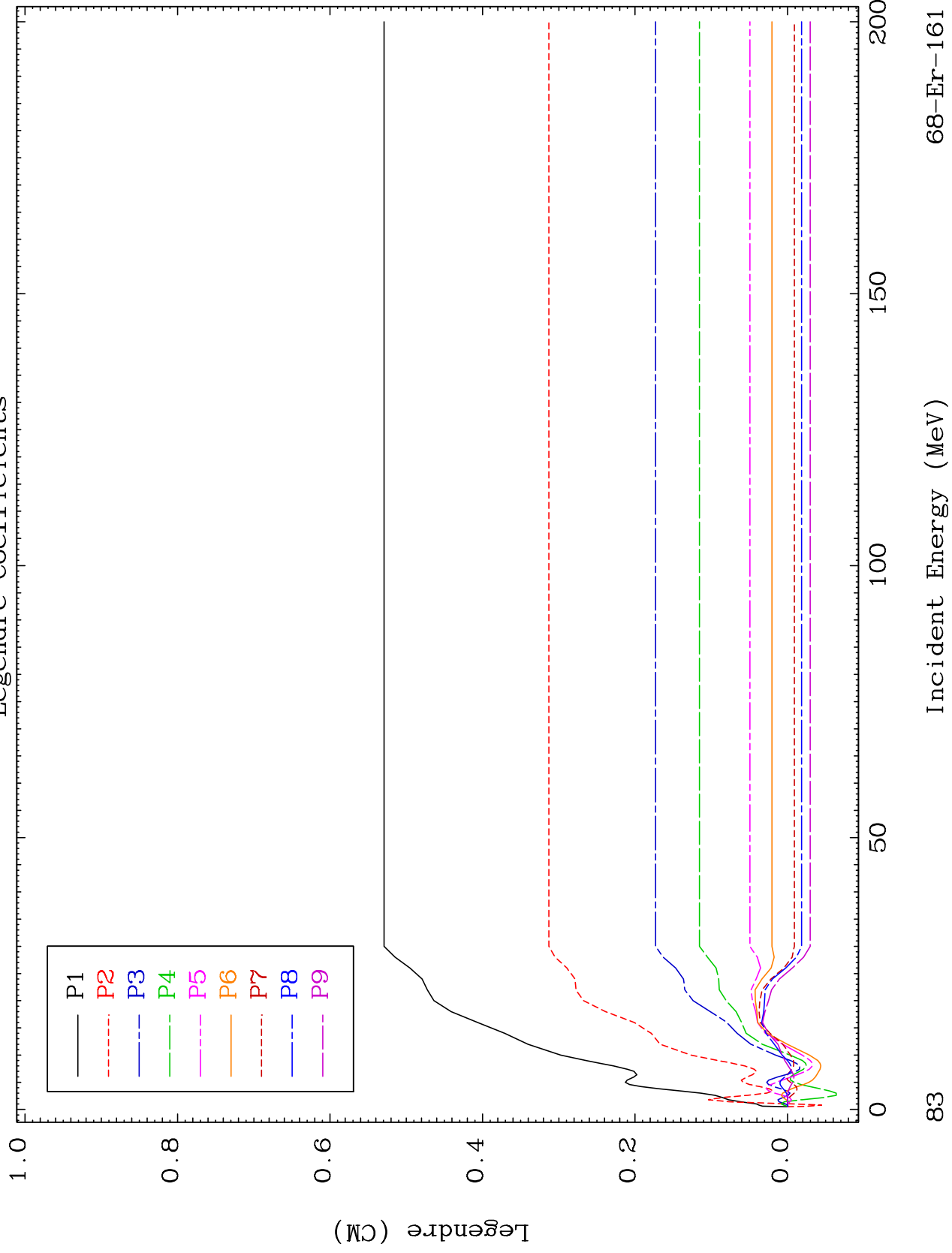




MAT 68222

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

68-Er-161



83

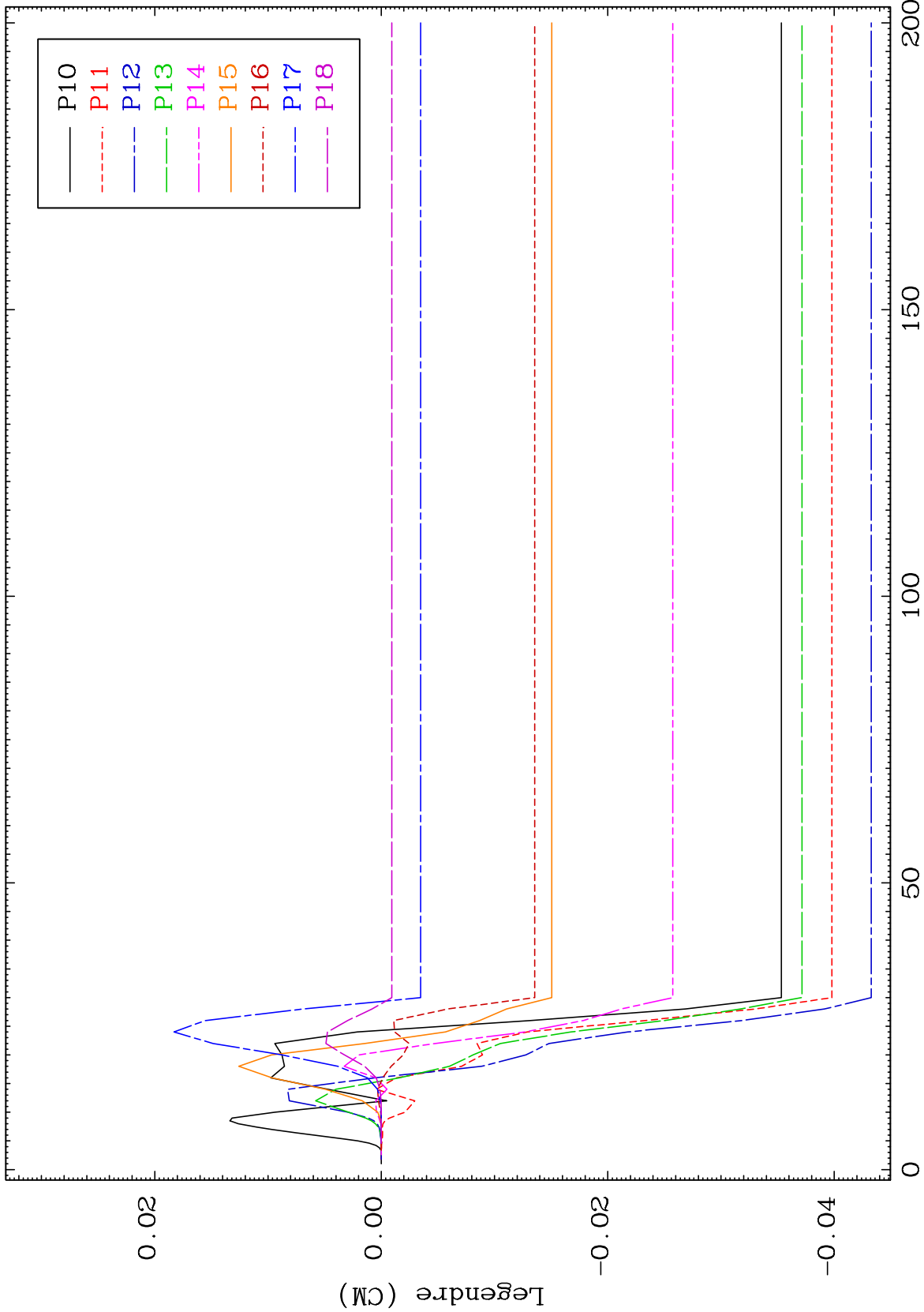
Incident Energy (MeV)

68-Er-161

MAT 68222

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

68-Er-161



84

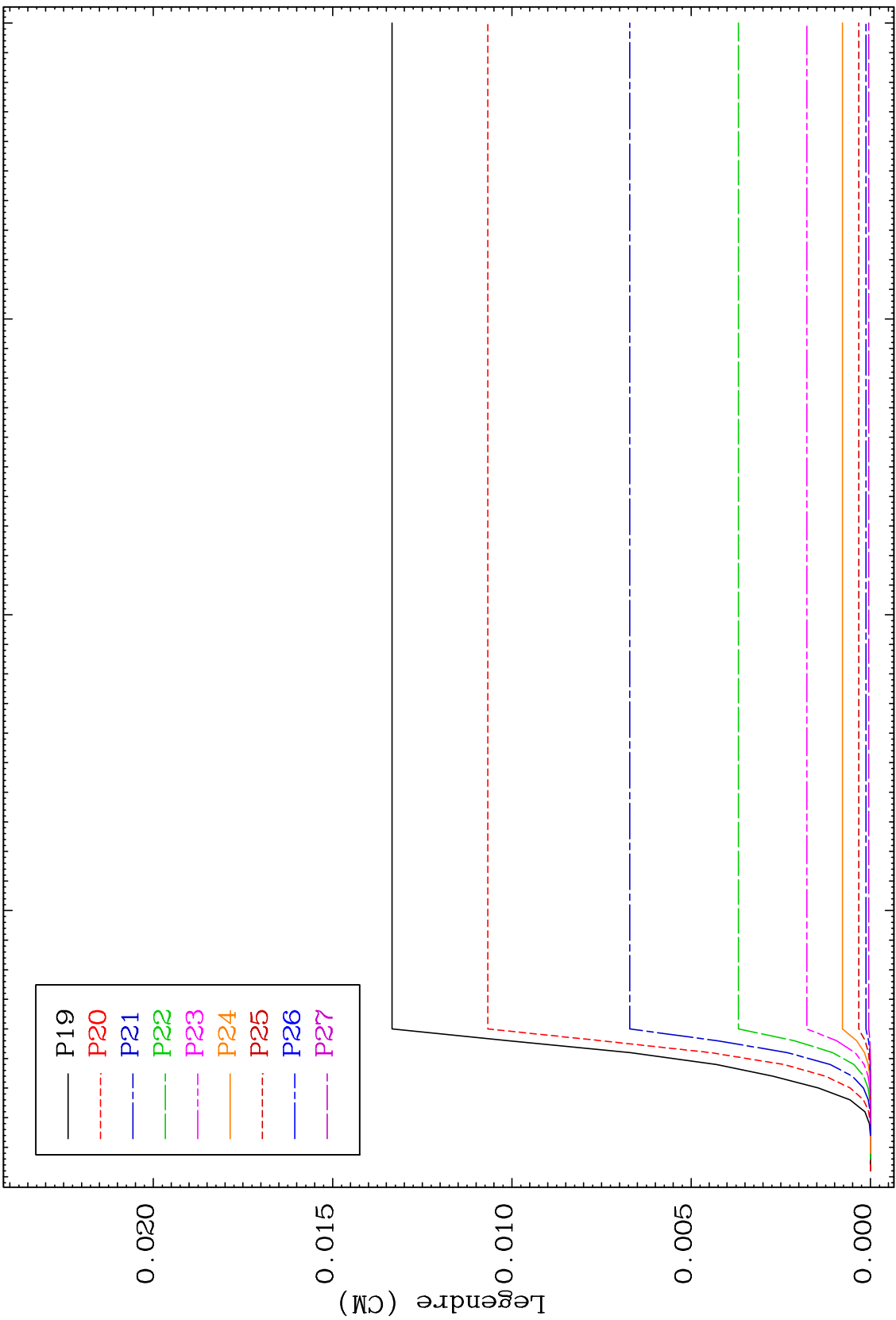
Incident Energy (MeV)

68-Er-161

MAT 68222

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

68-Er-161



85

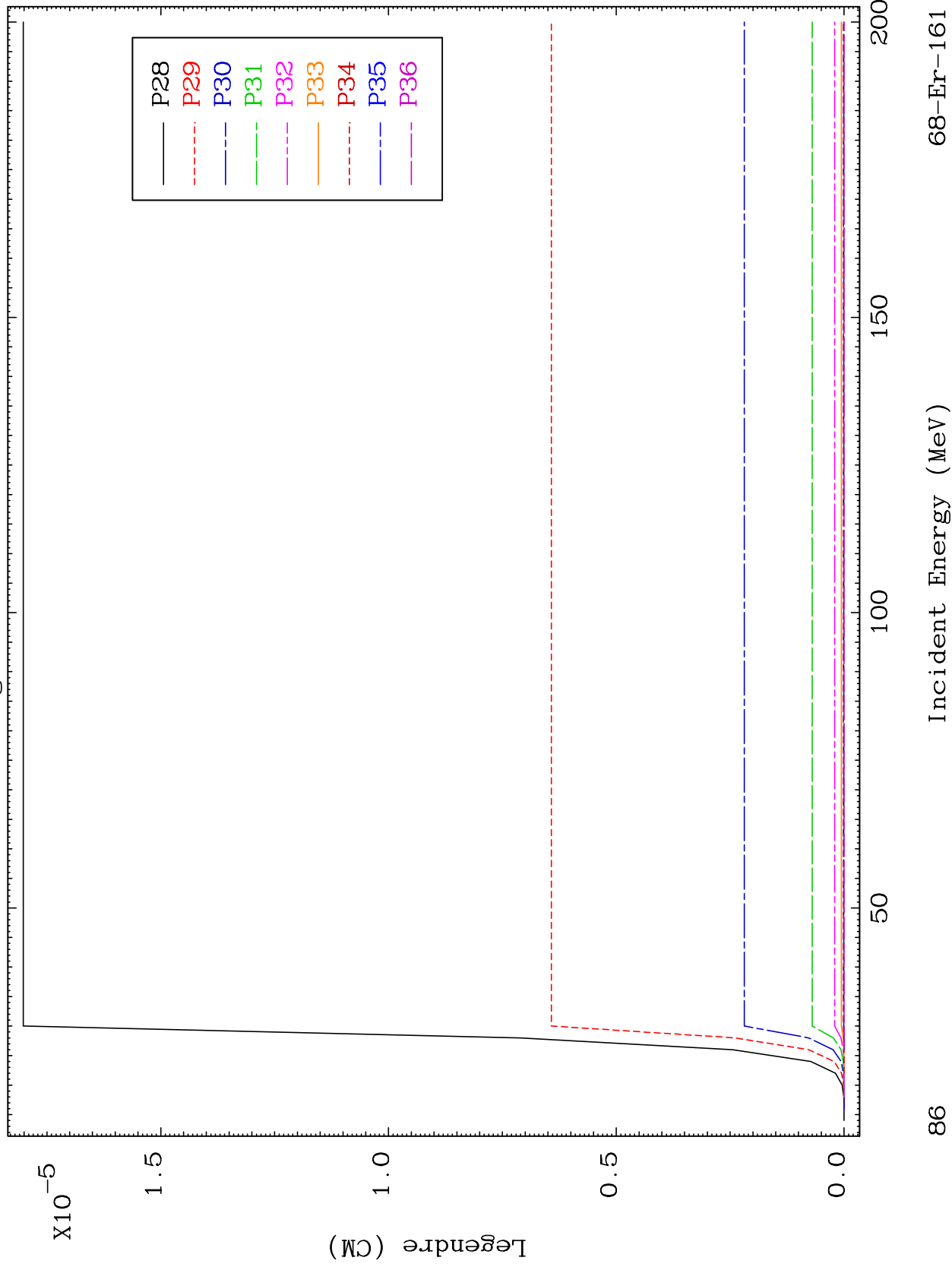
Incident Energy (MeV)

68-Er-161

MAT 68222

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

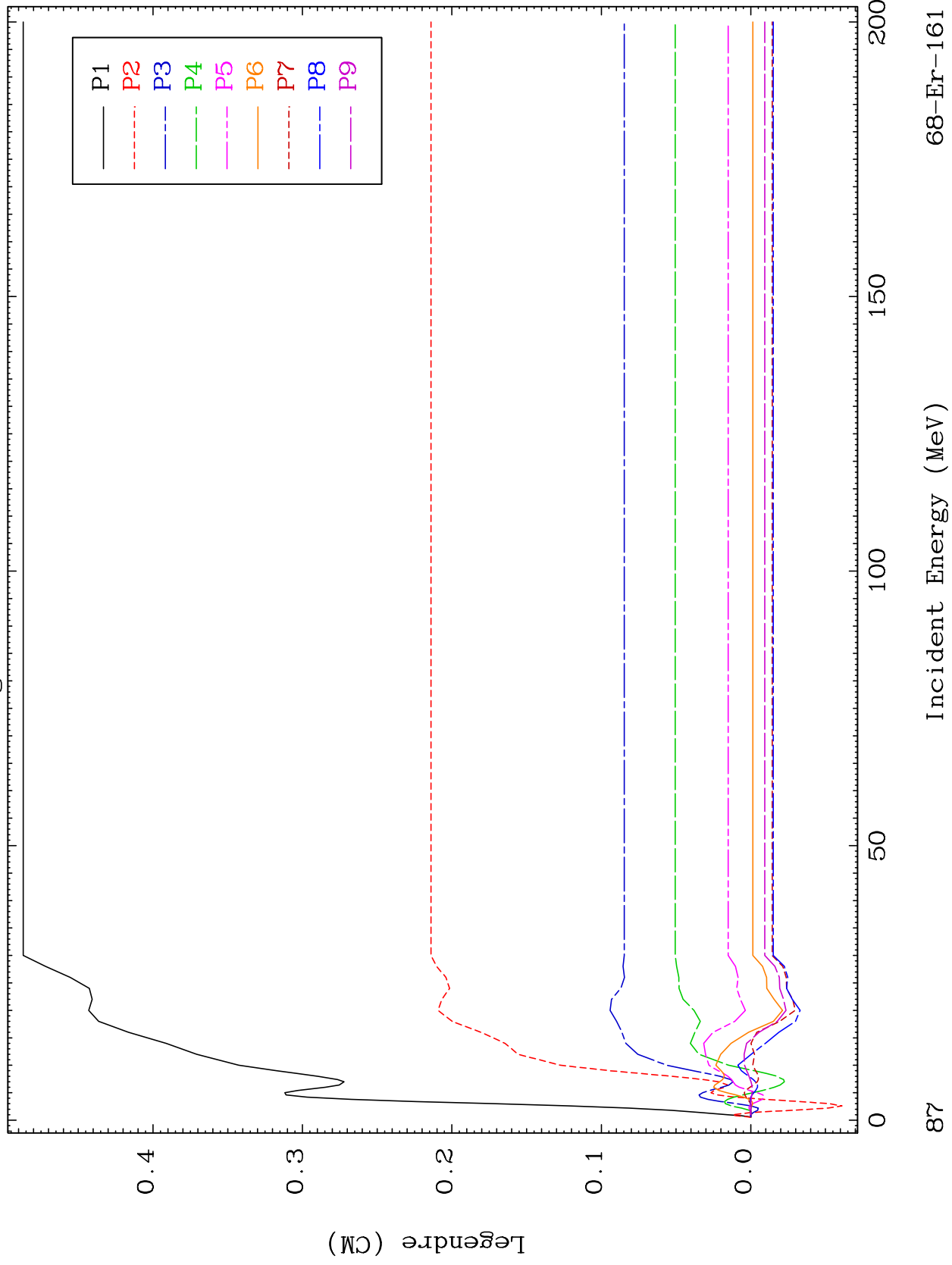
68-Er-161



MAT 6822

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

68-Er-161



68-Er-161

Incident Energy (MeV)

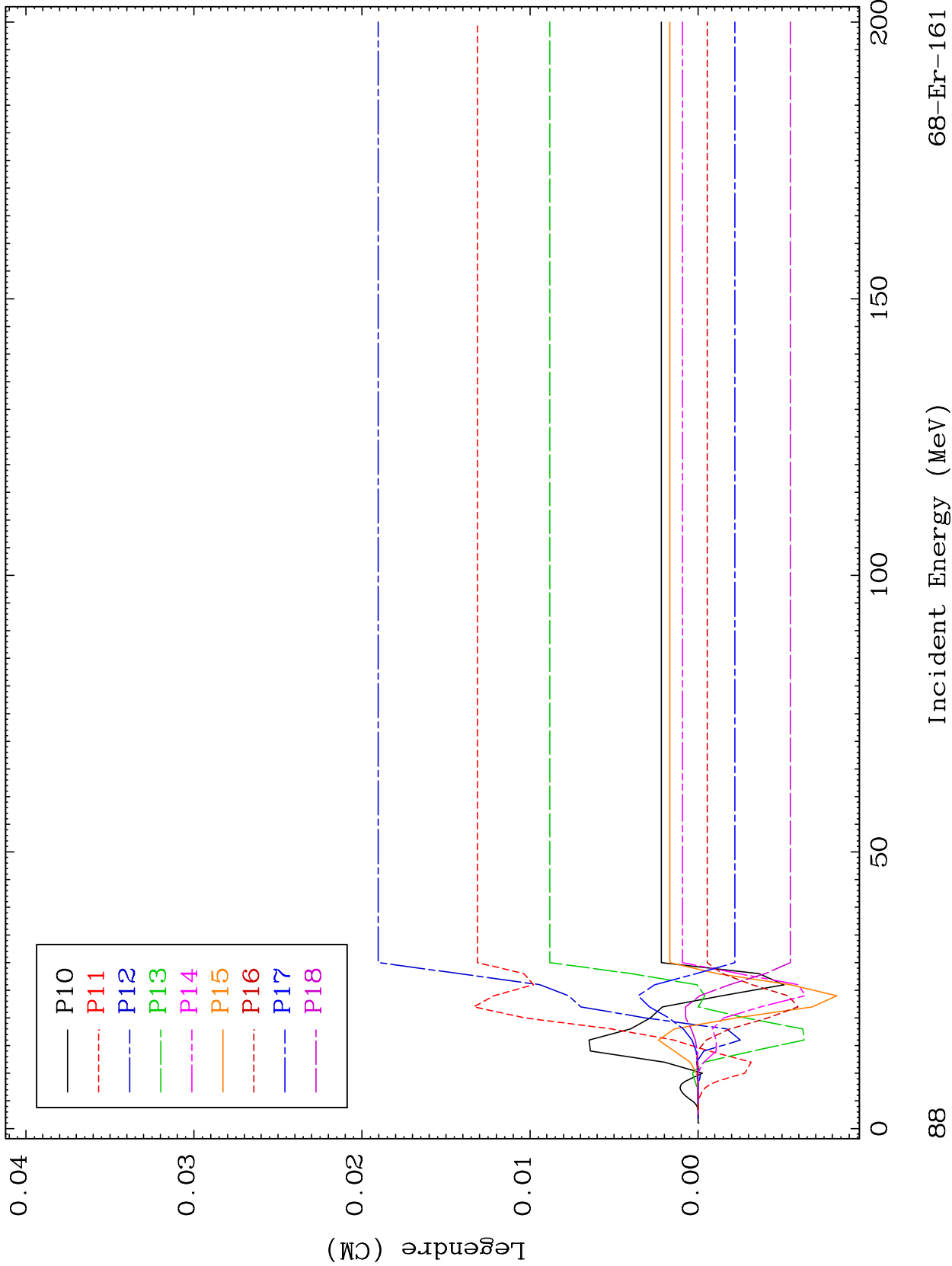
87



MAT 68222

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

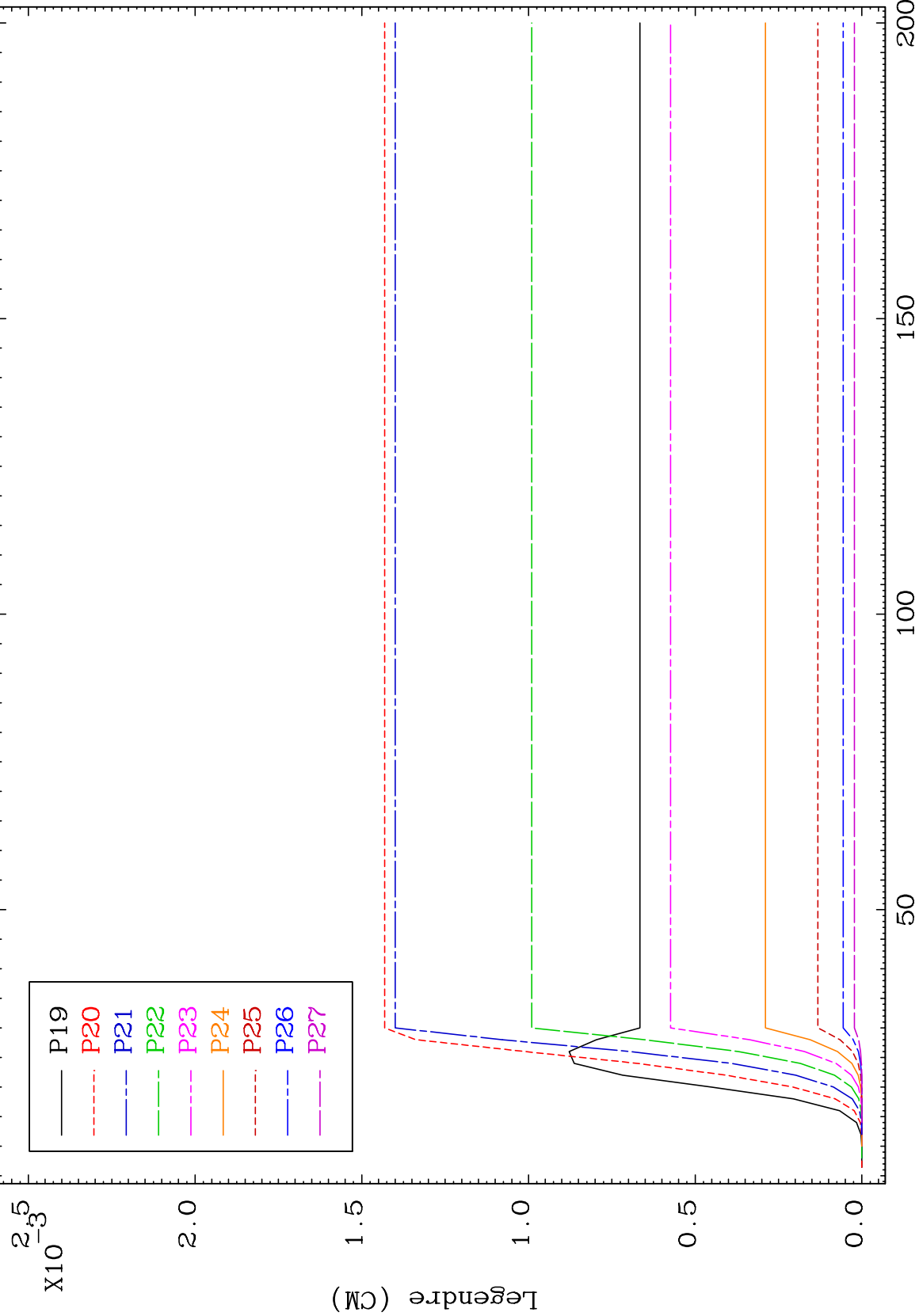
68-Er-161



88

Incident Energy (MeV)

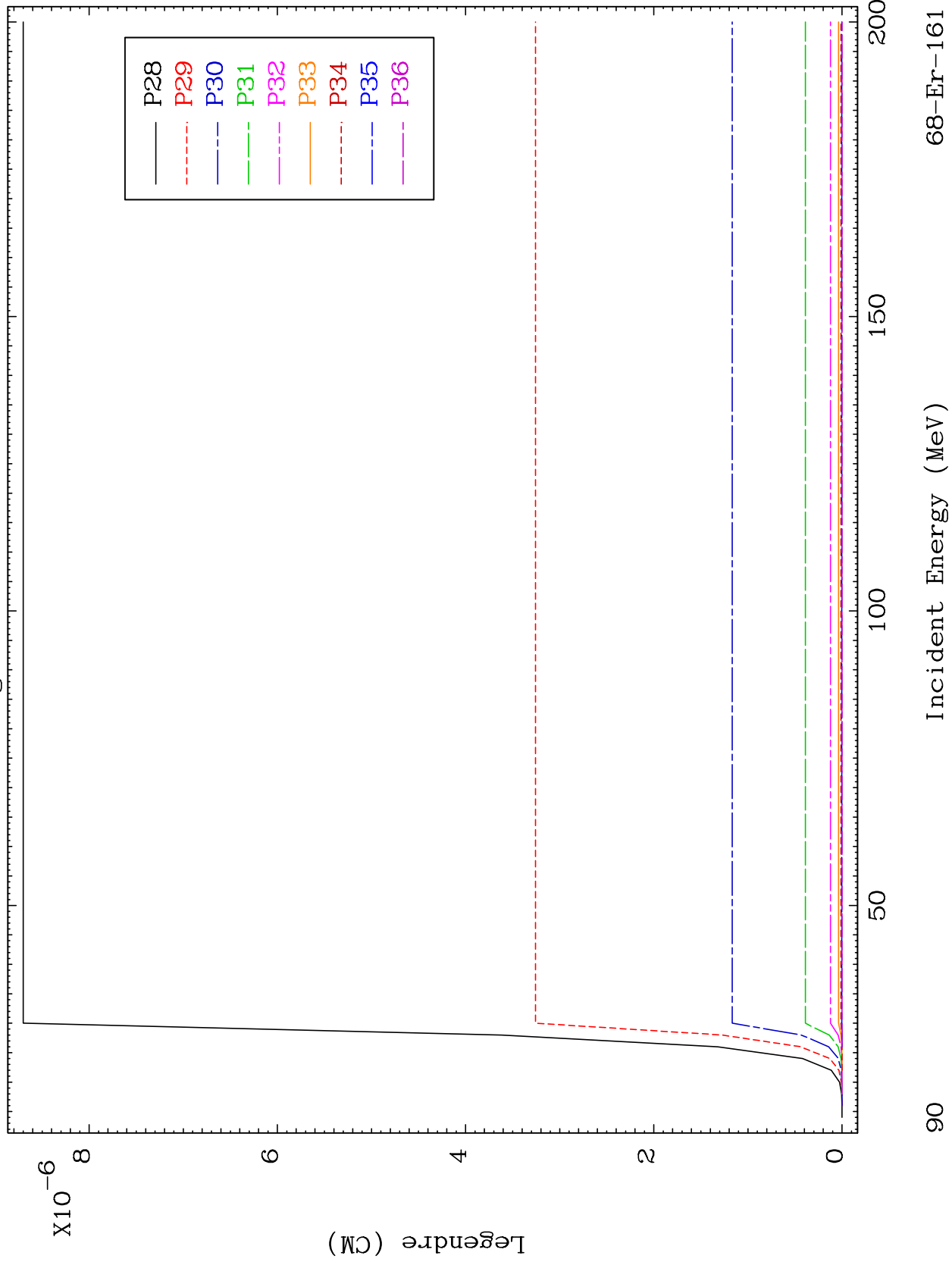
68-Er-161



MAT 68222

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

68-Er-161



68-Er-161

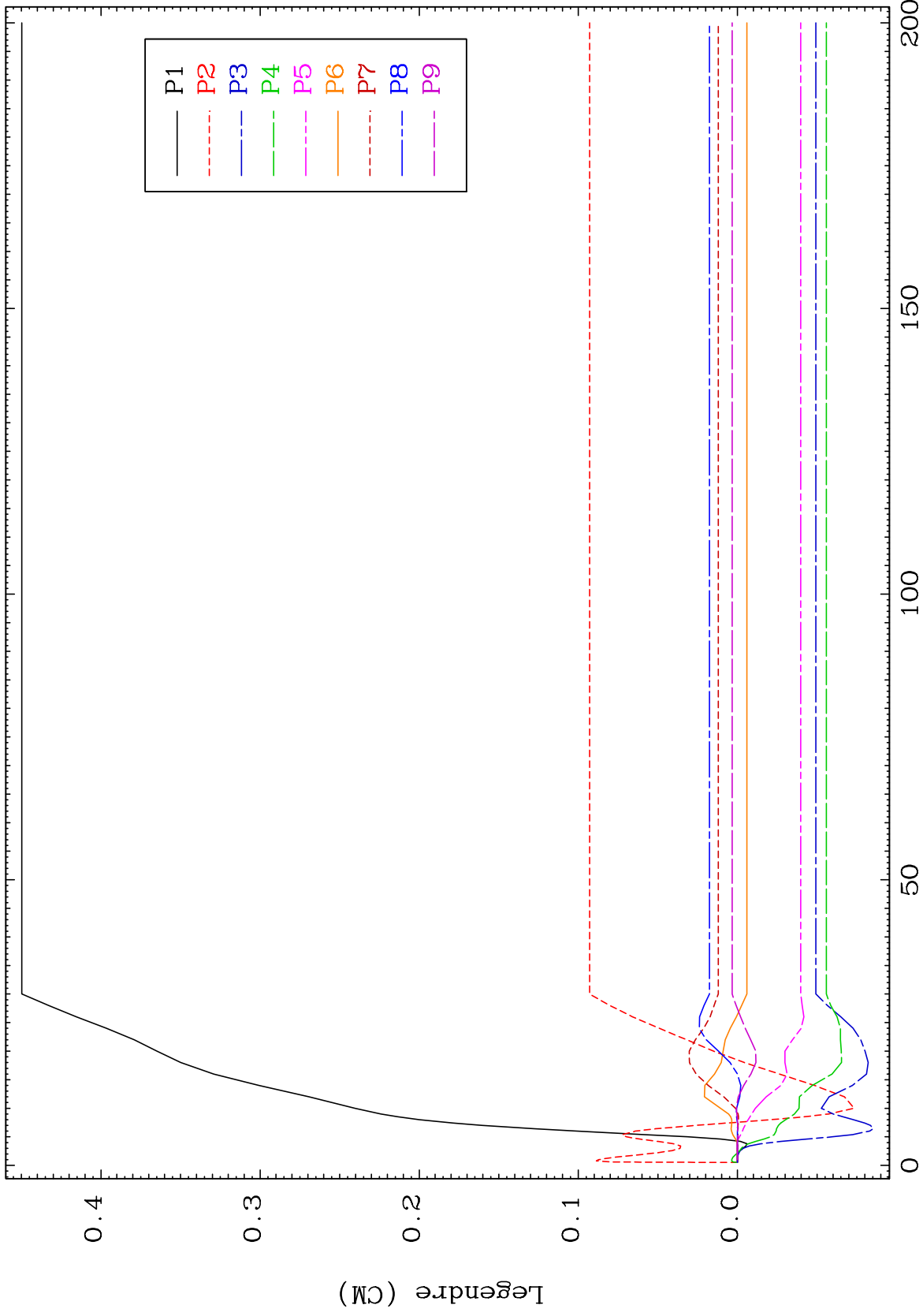
Incident Energy (MeV)

90

MAT 68222

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

68-Er-161



91

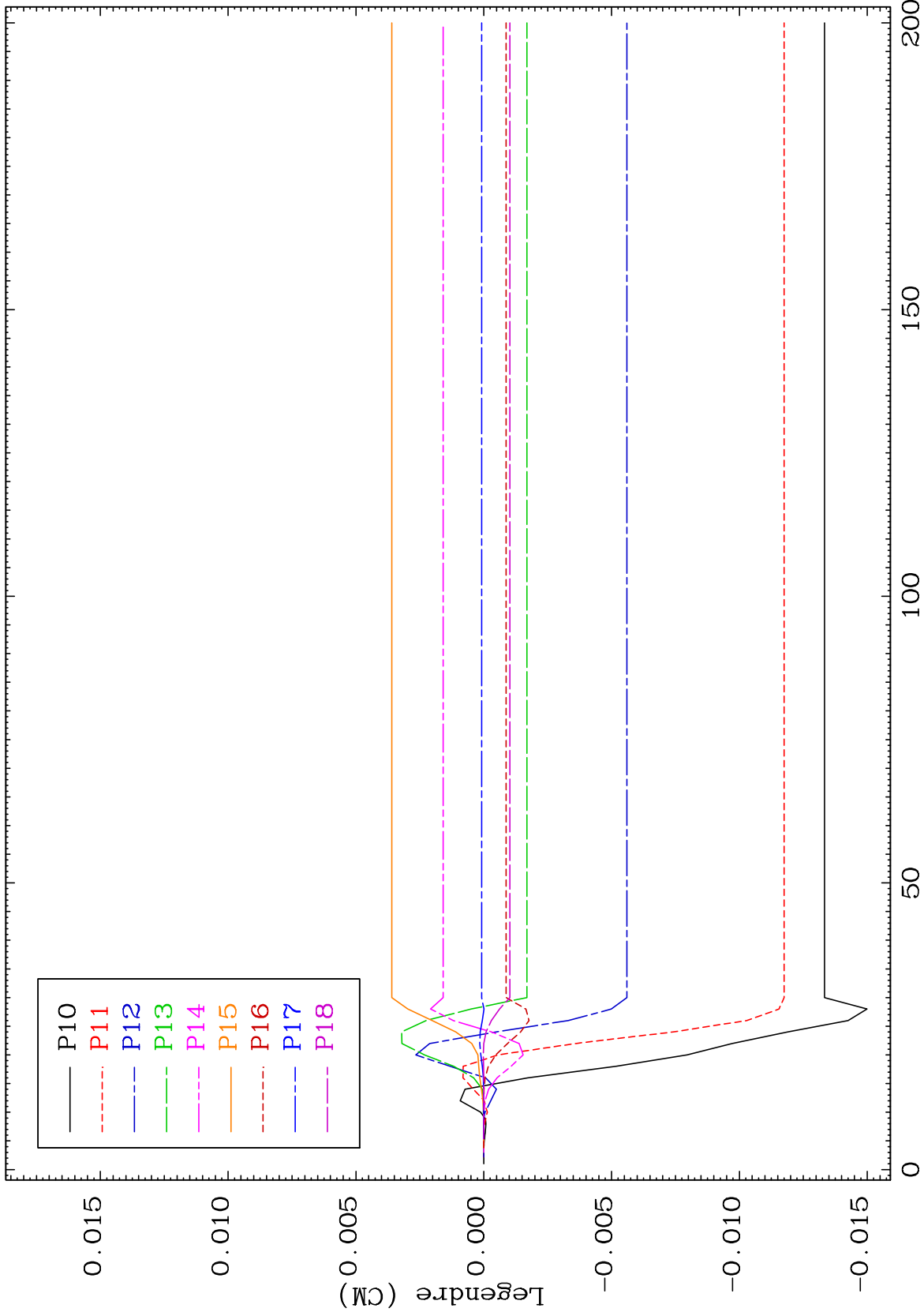
Incident Energy (MeV)

68-Er-161

MAT 68222

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

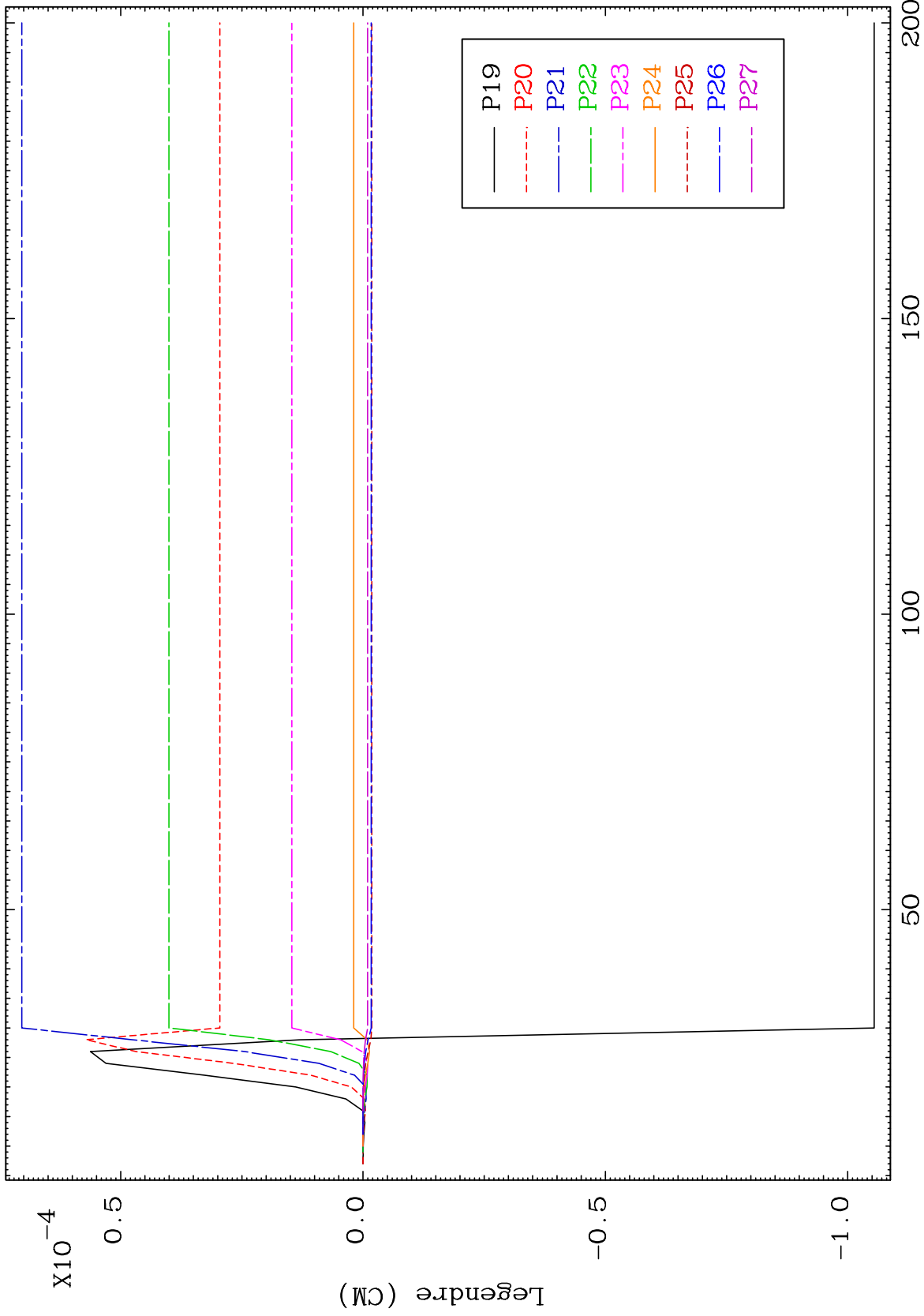
68-Er-161



92

Incident Energy (MeV)

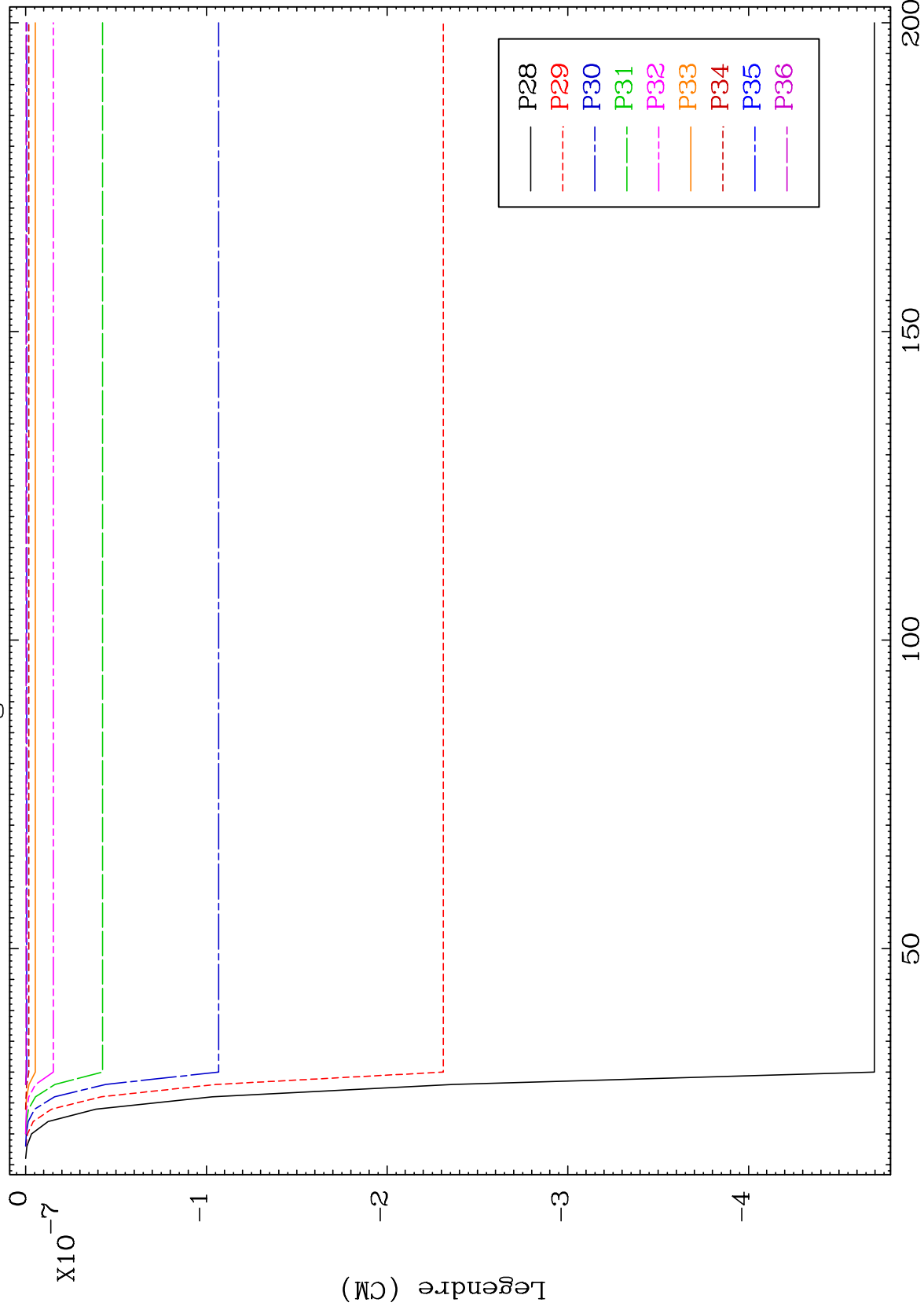
68-Er-161



MAT 6822

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

68-Er-161



94

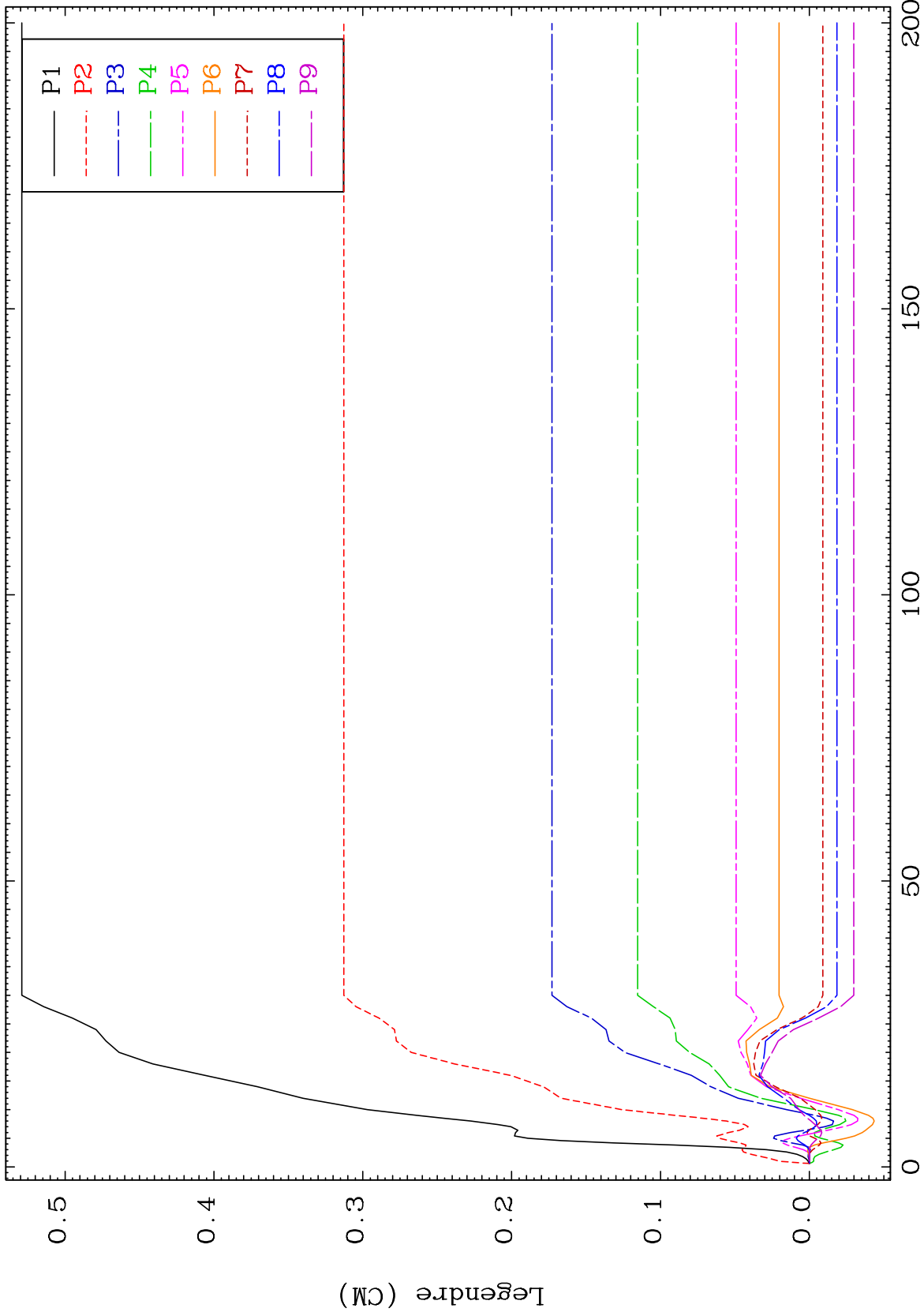
Incident Energy (MeV)

68-Er-161

MAT 68222

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

68-Er-161



95

Incident Energy (MeV)

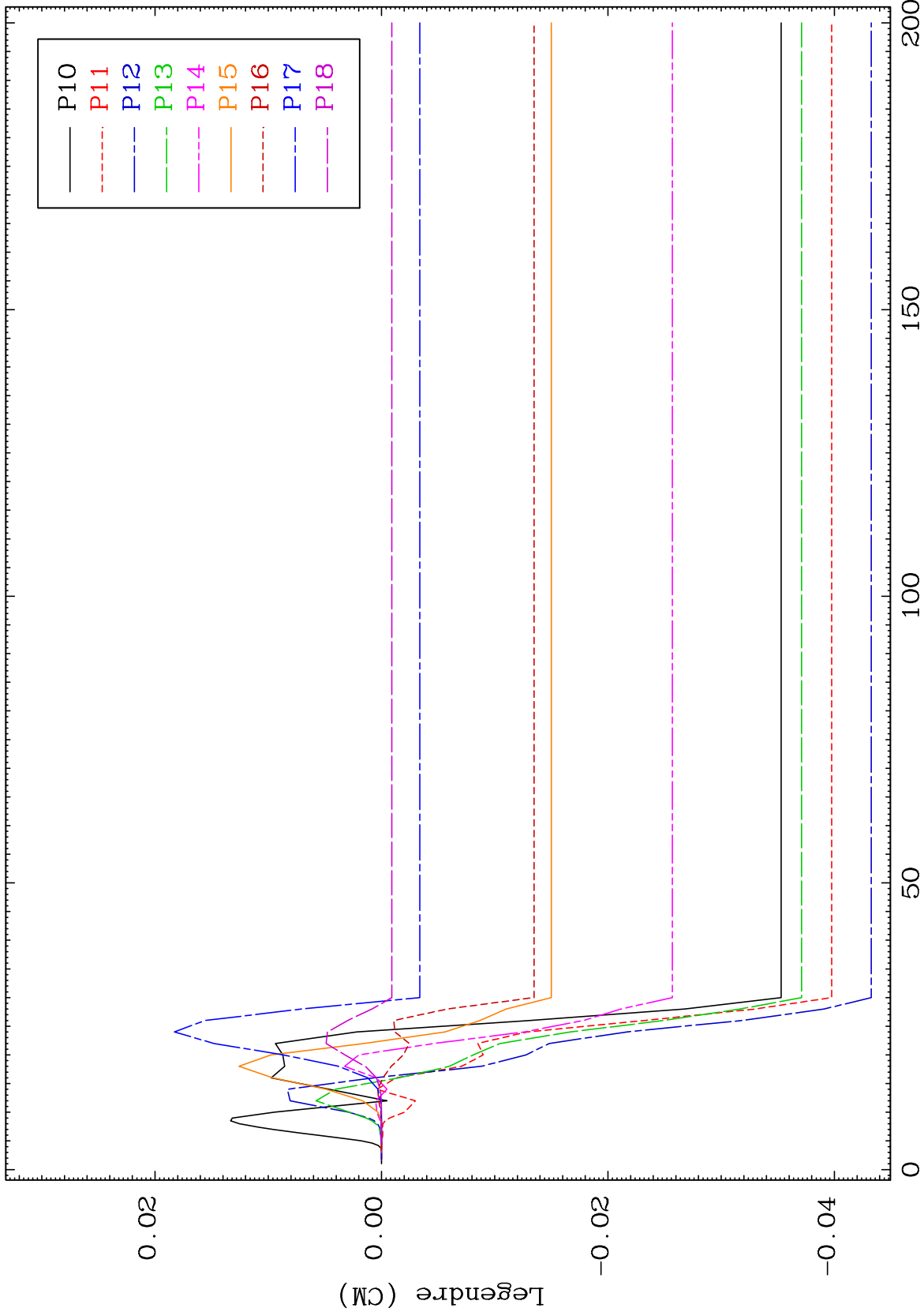
68-Er-161



MAT 68222

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

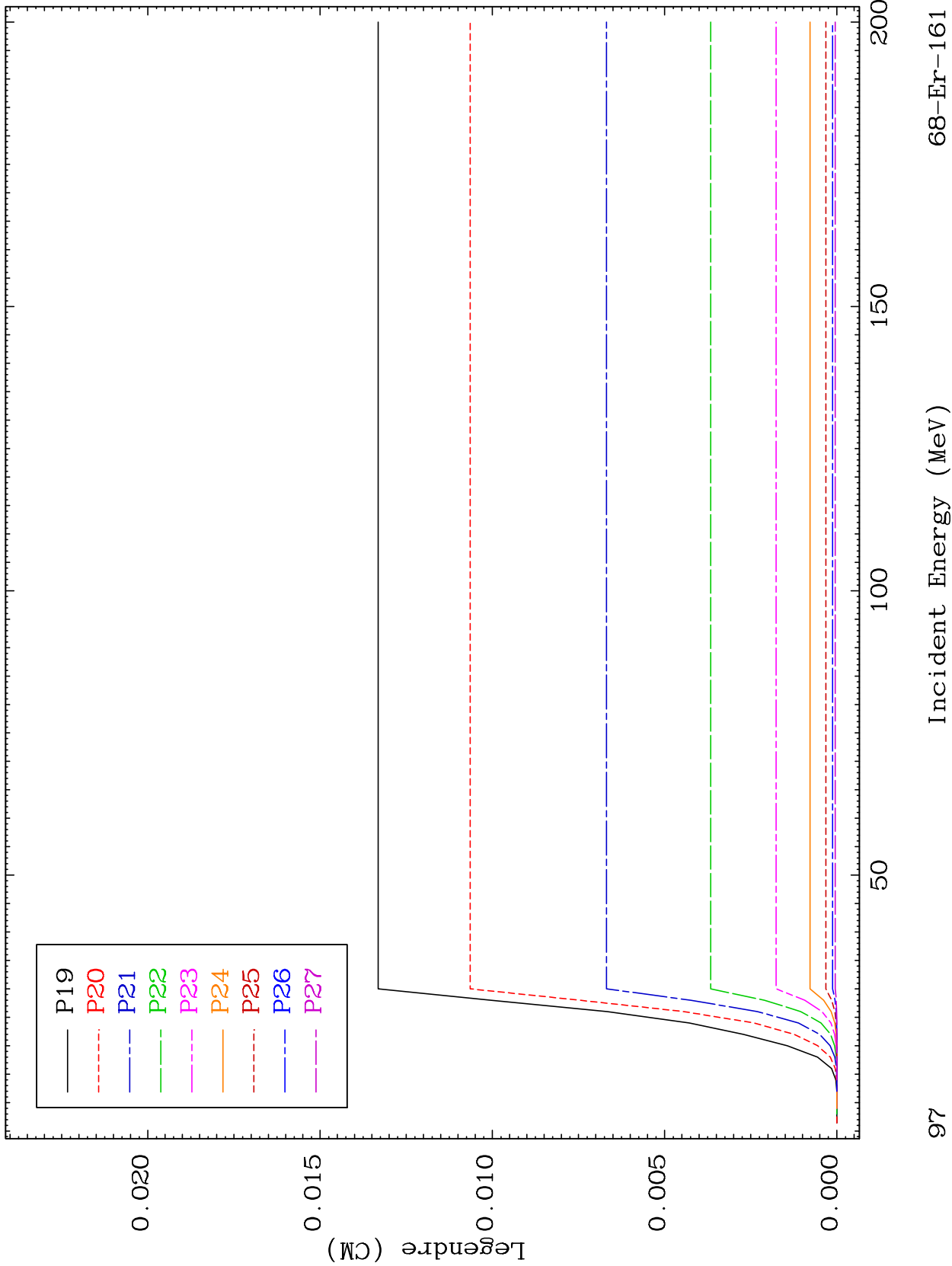
68-Er-161



96

Incident Energy (MeV)

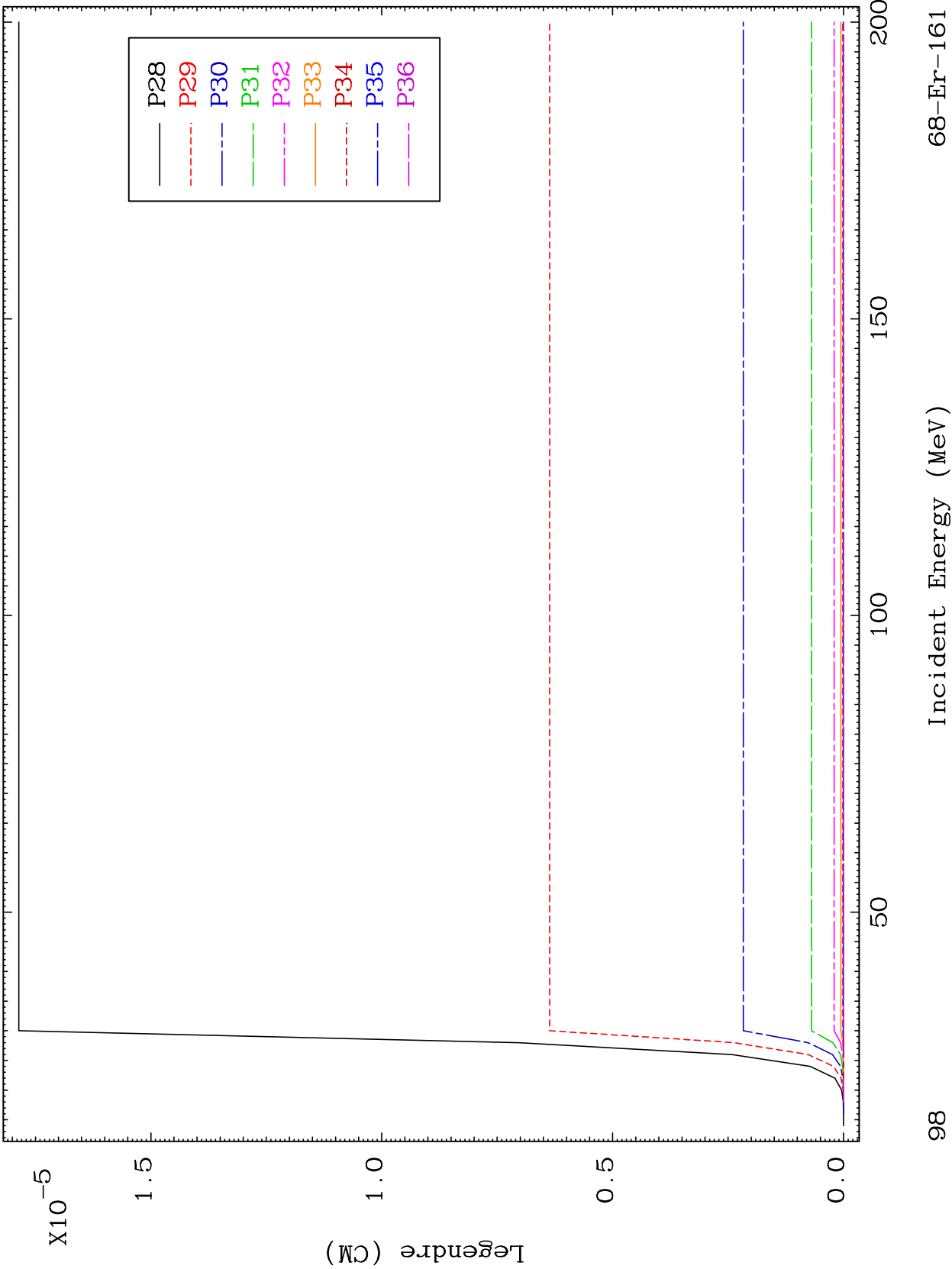
68-Er-161



MAT 6822

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

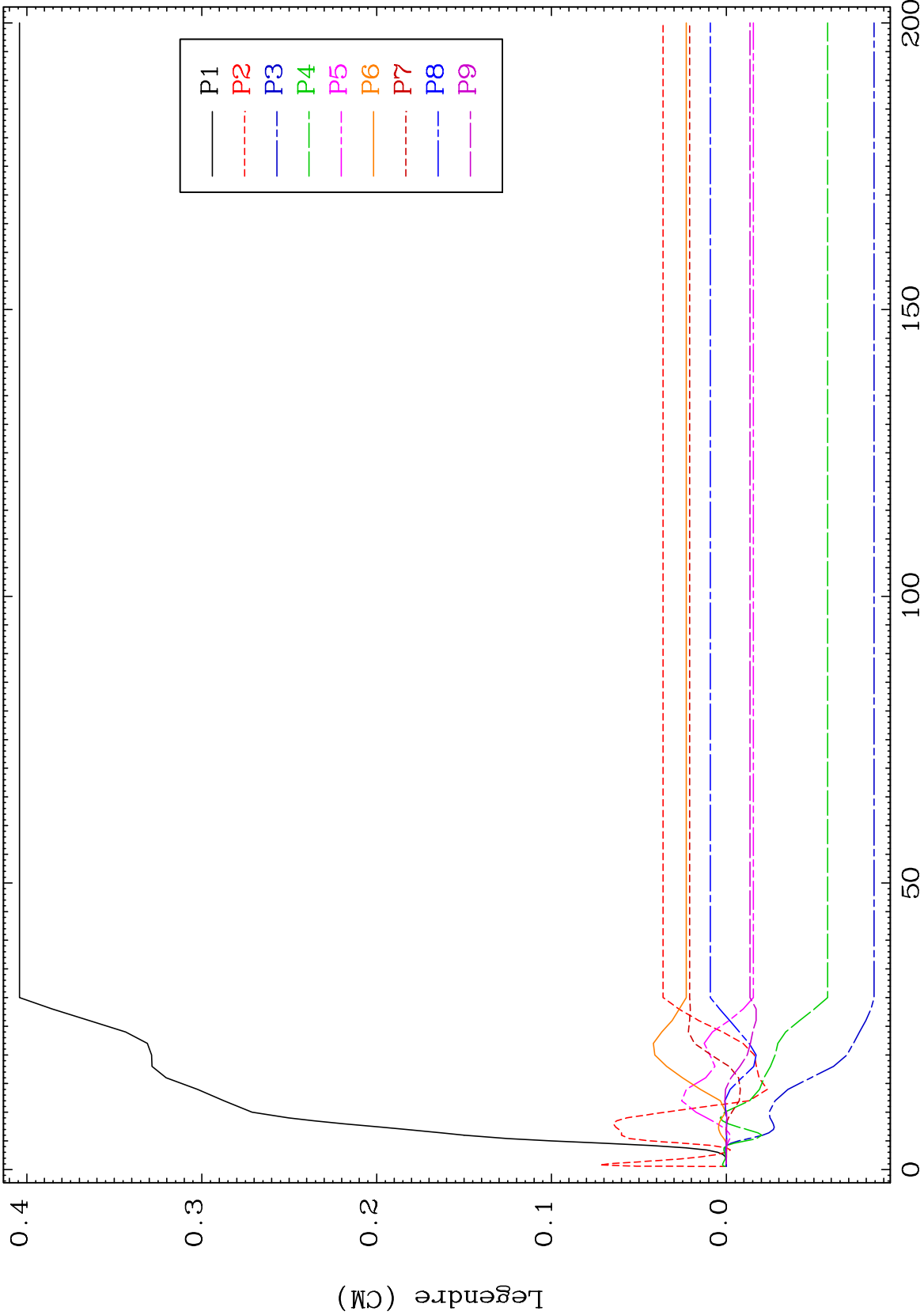
68-Er-161



MAT 6822

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

68-Er-161



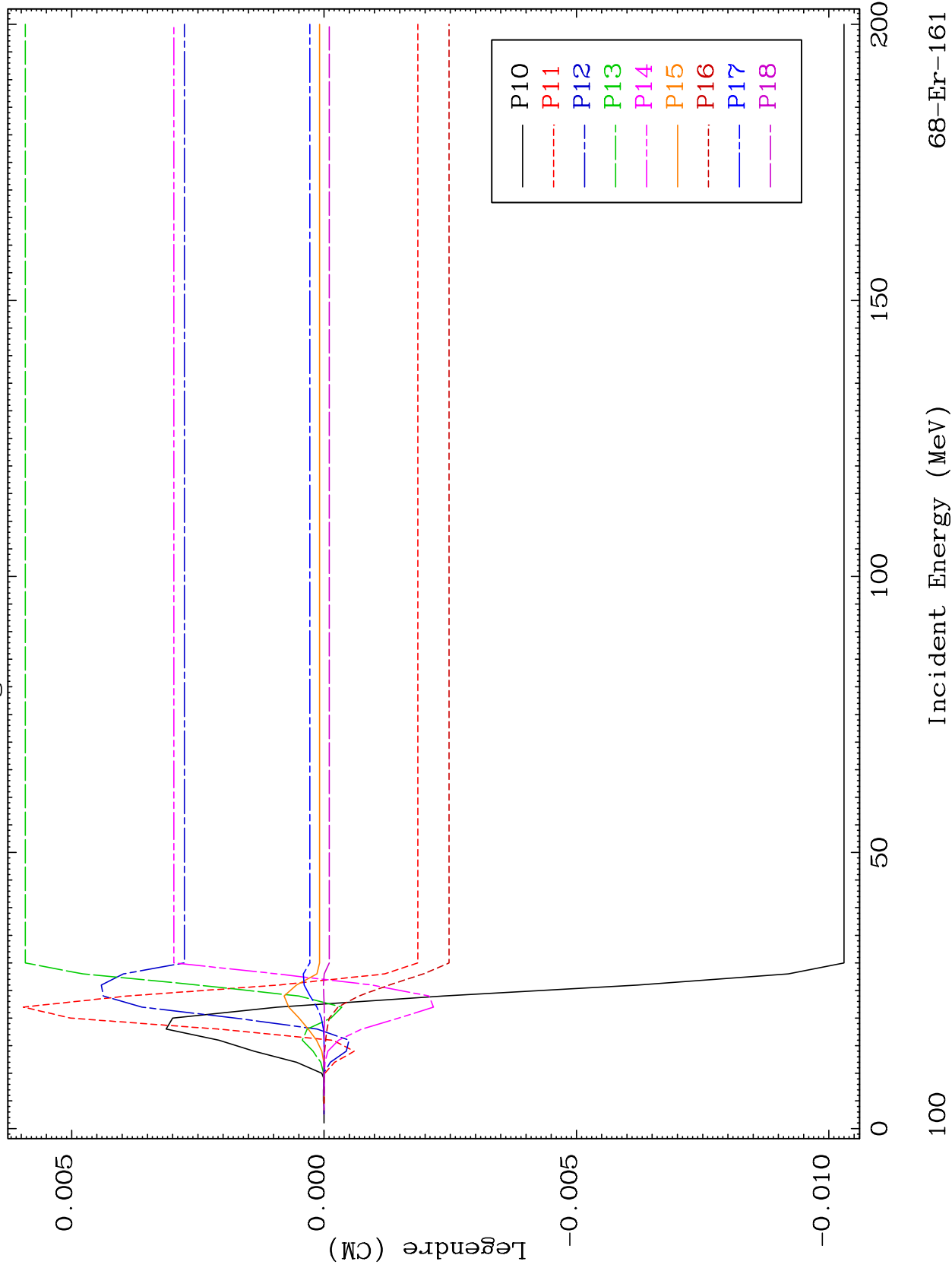
99

68-Er-161

MAT 68222

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

68-Er-161



68-Er-161

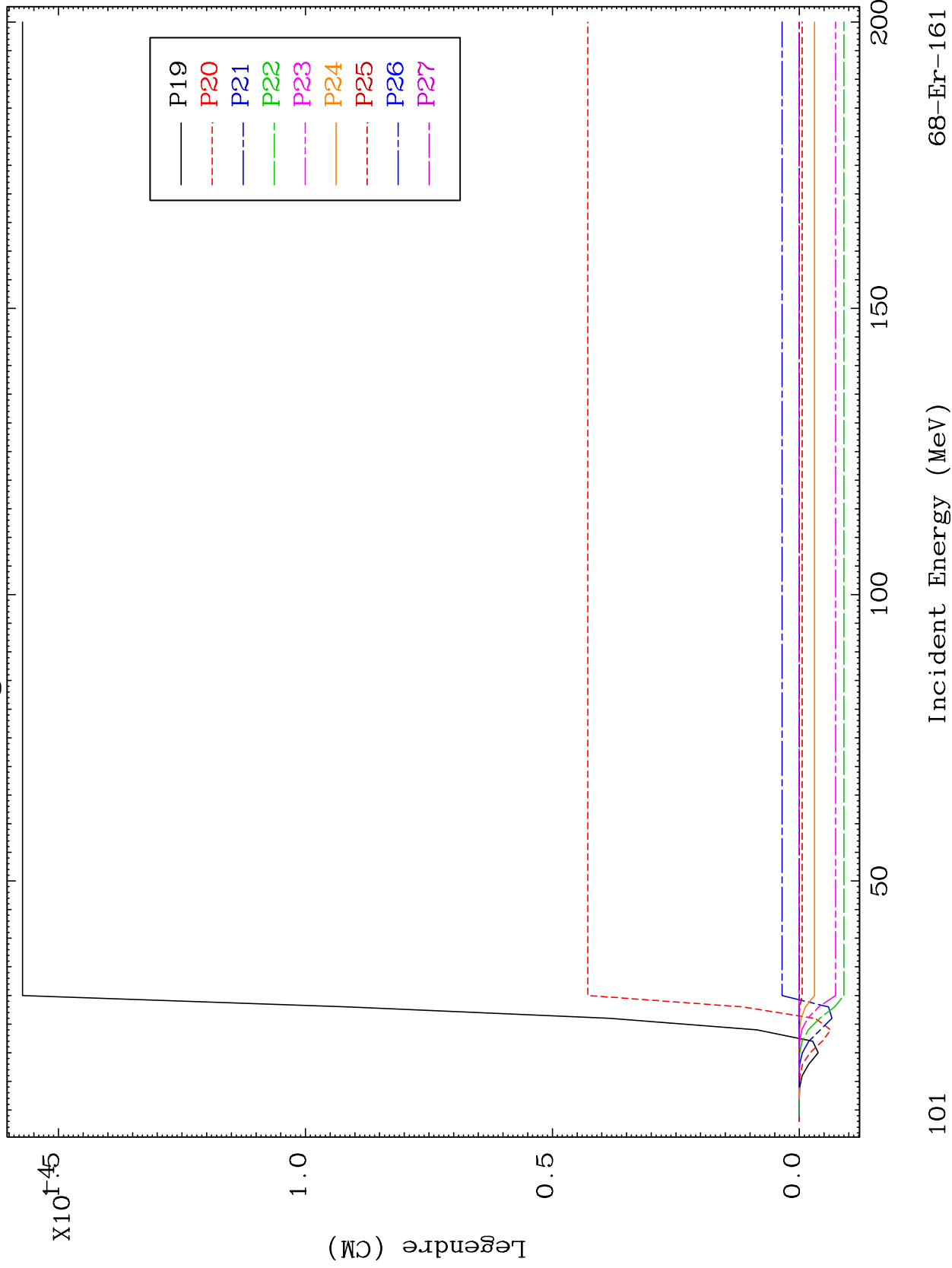
Incident Energy (MeV)

100

MAT 68222

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

68-Er-161



101

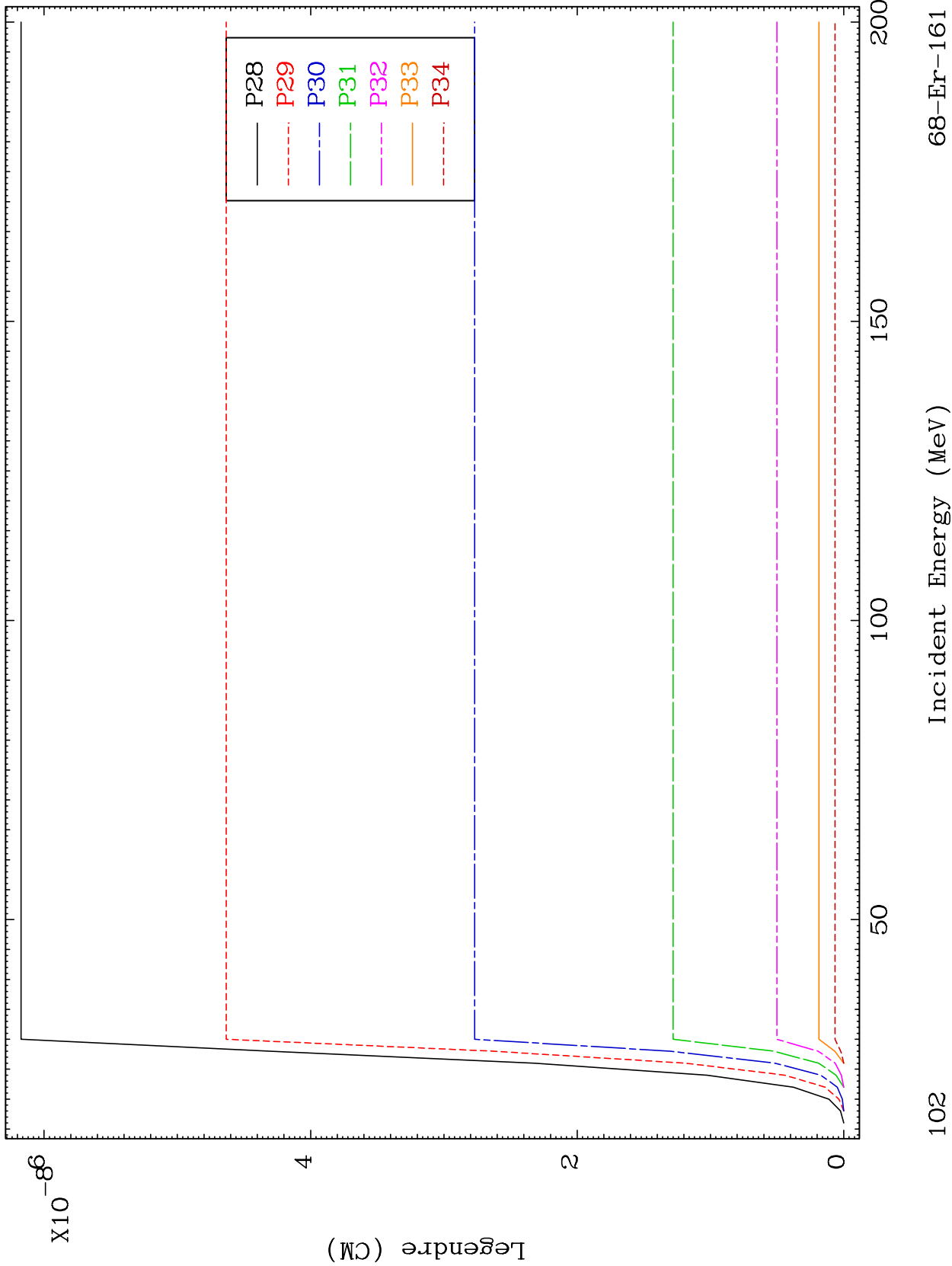
Incident Energy (MeV)

68-Er-161

MAT 68222

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

68-Er-161



102

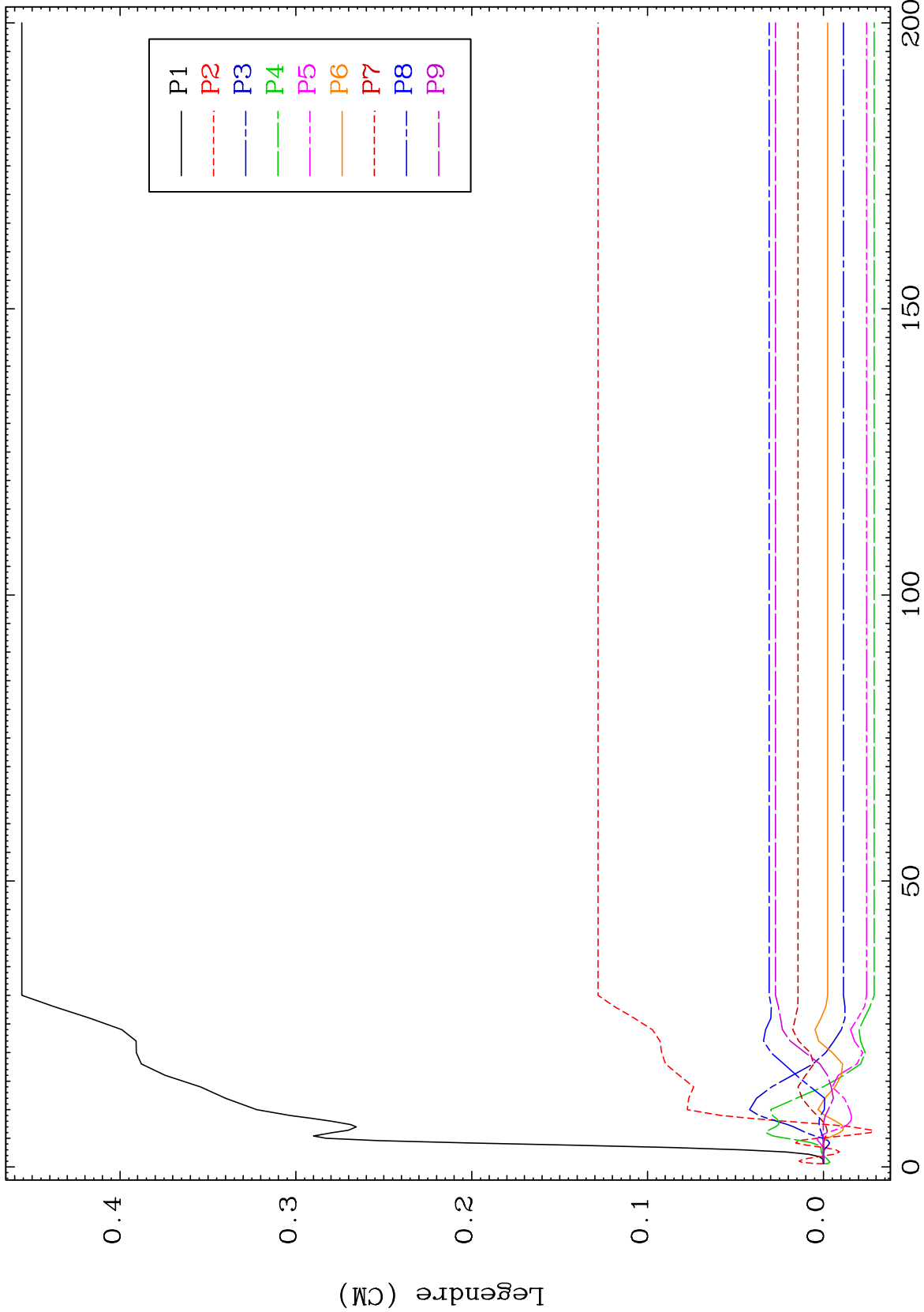
Incident Energy (MeV)

68-Er-161

MAT 68222

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

68-Er-161



103

Incident Energy (MeV)

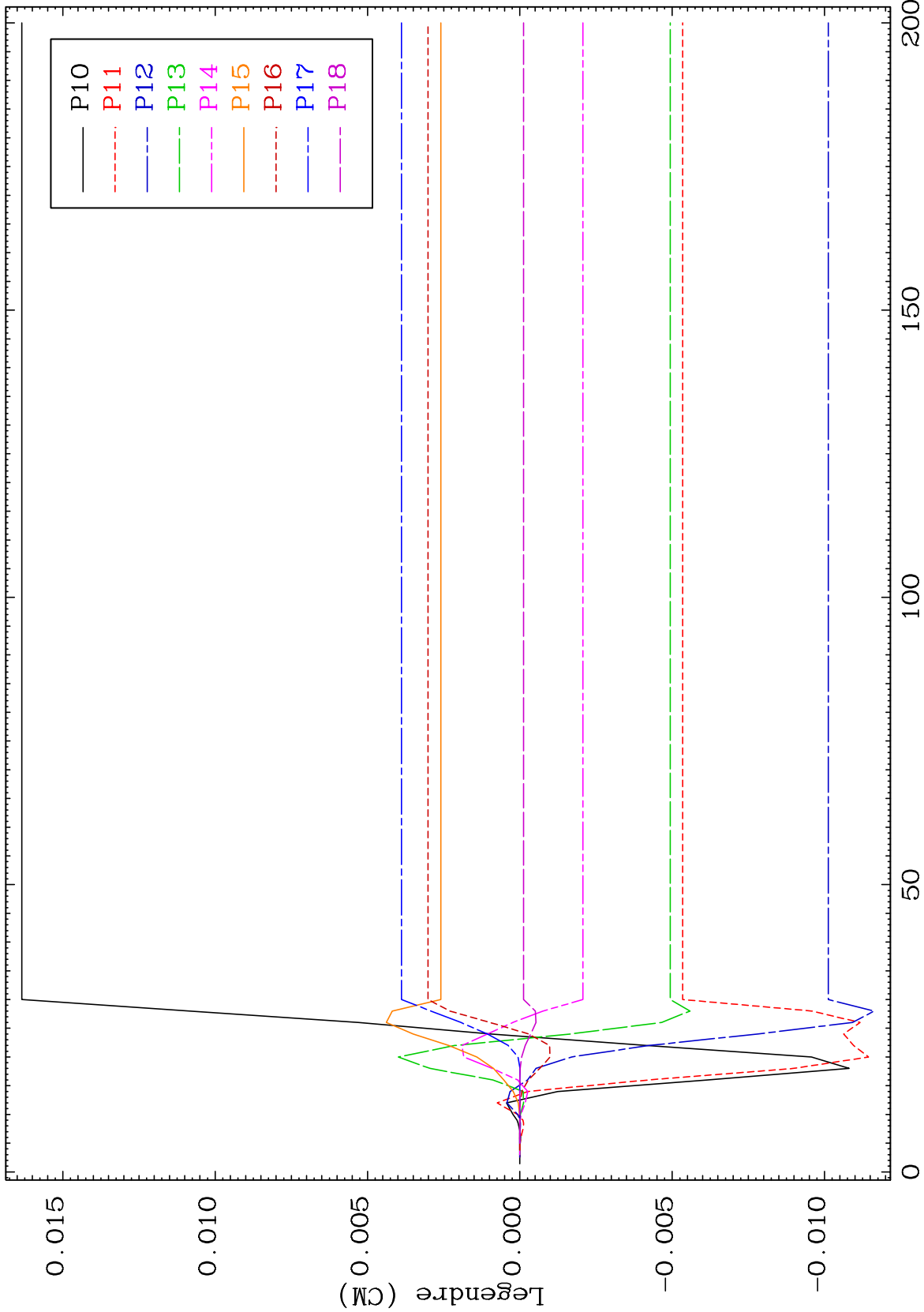
68-Er-161



MAT 6822

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

68-Er-161



104

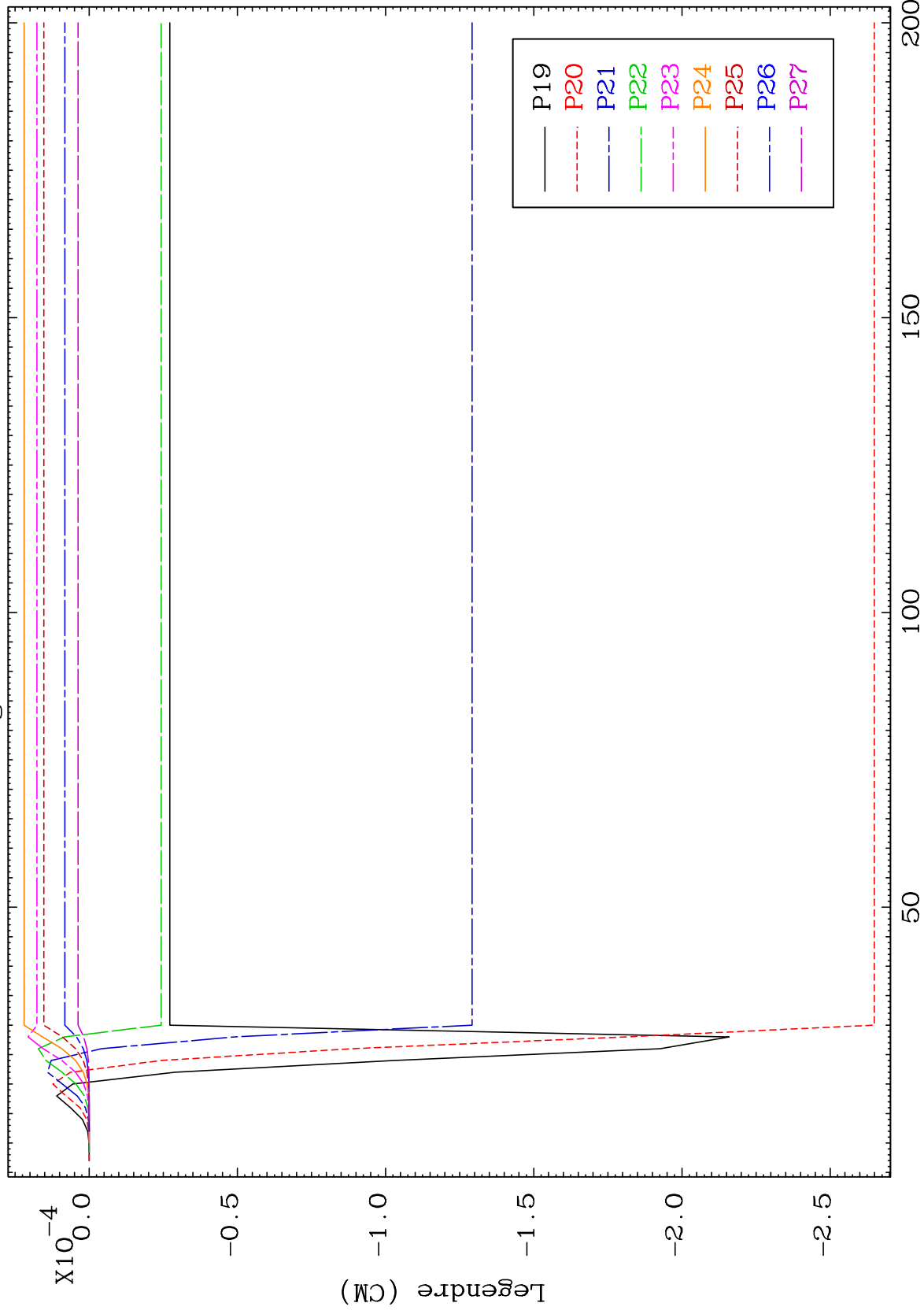
Incident Energy (MeV)

68-Er-161

MAT 68222

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

68-Er-161



105

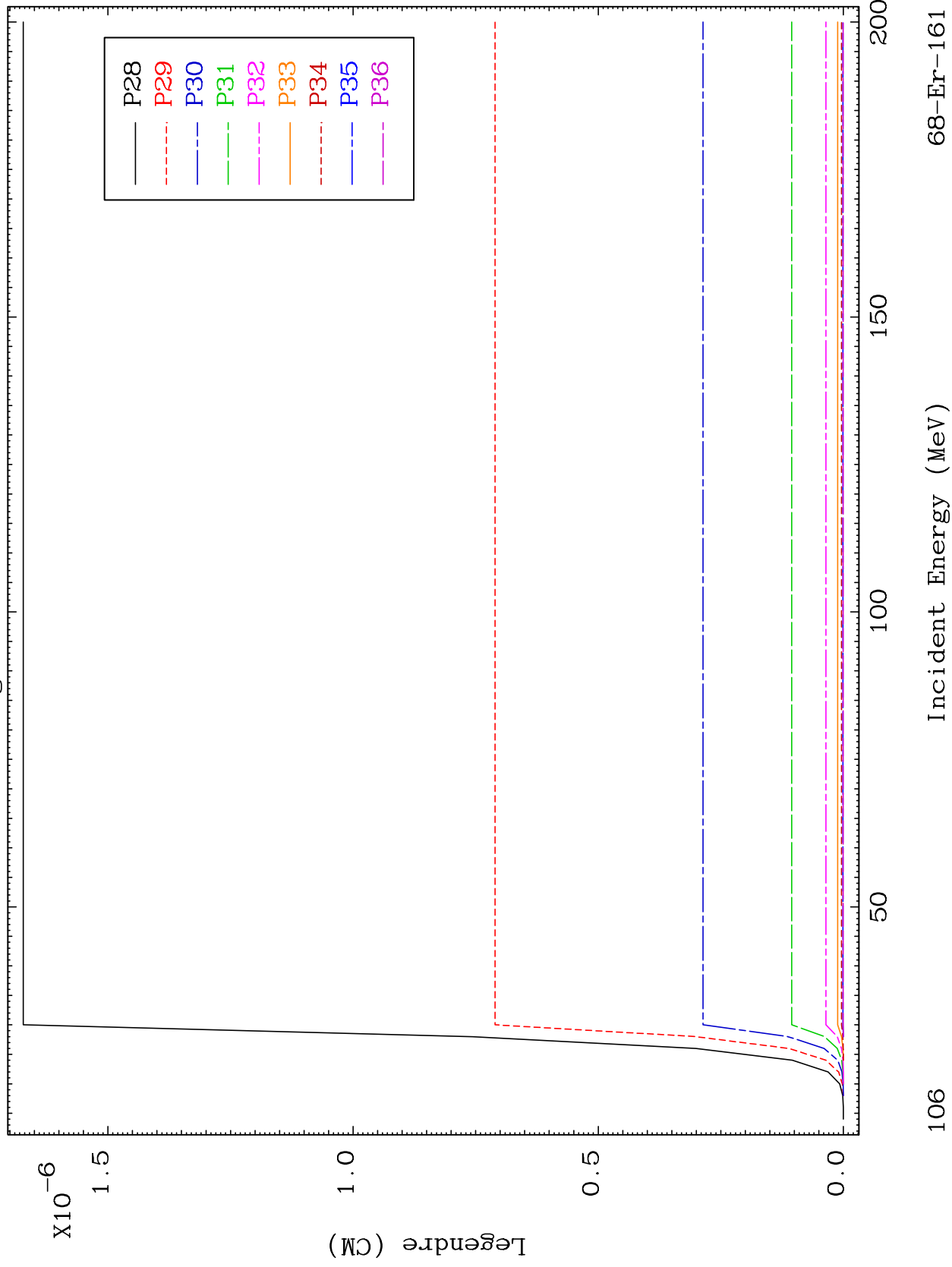
Incident Energy (MeV)

68-Er-161

MAT 6822

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

68-Er-161



106

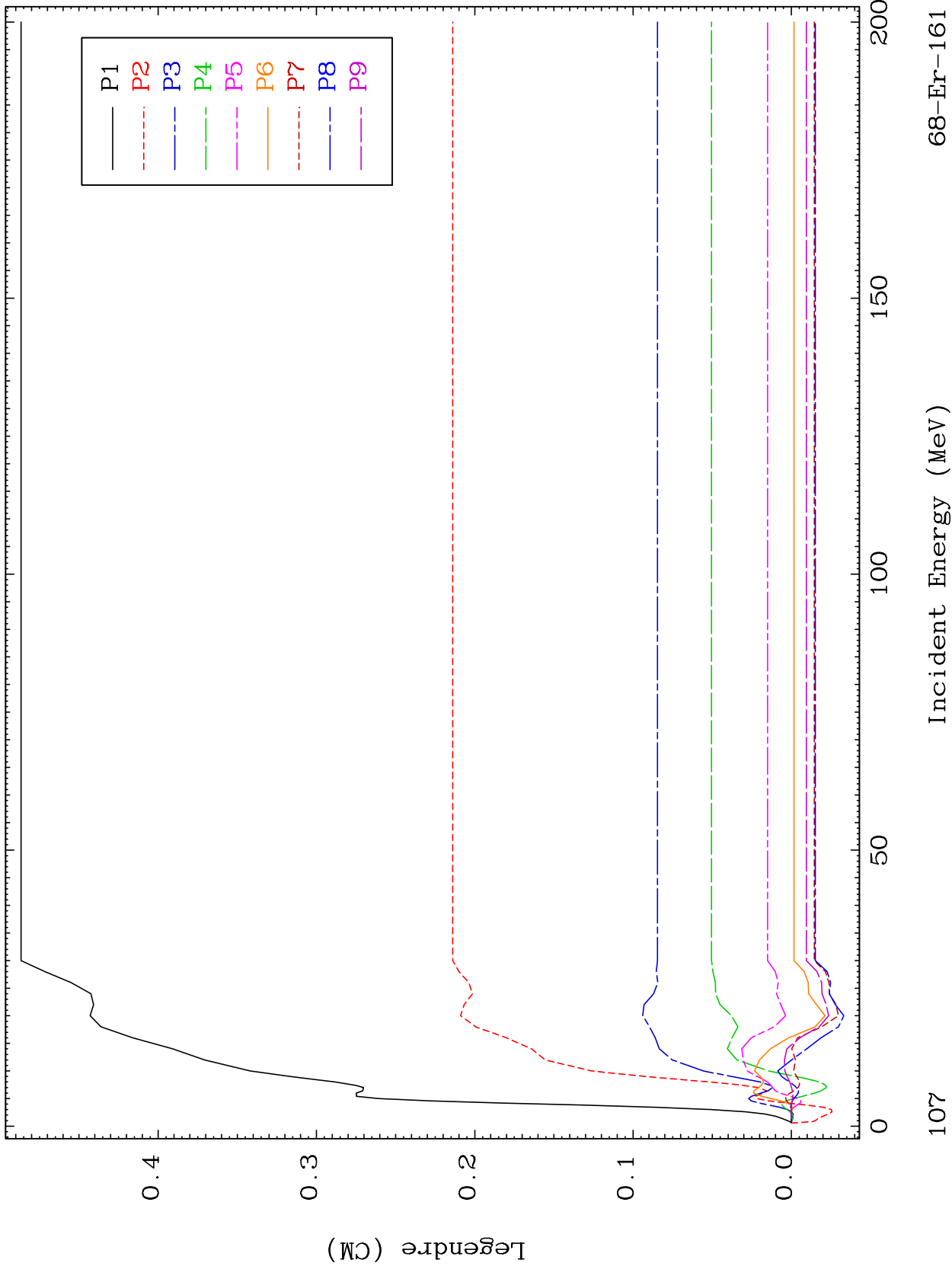
Incident Energy (MeV)

68-Er-161

MAT 68222

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

68-Er-161



68-Er-161

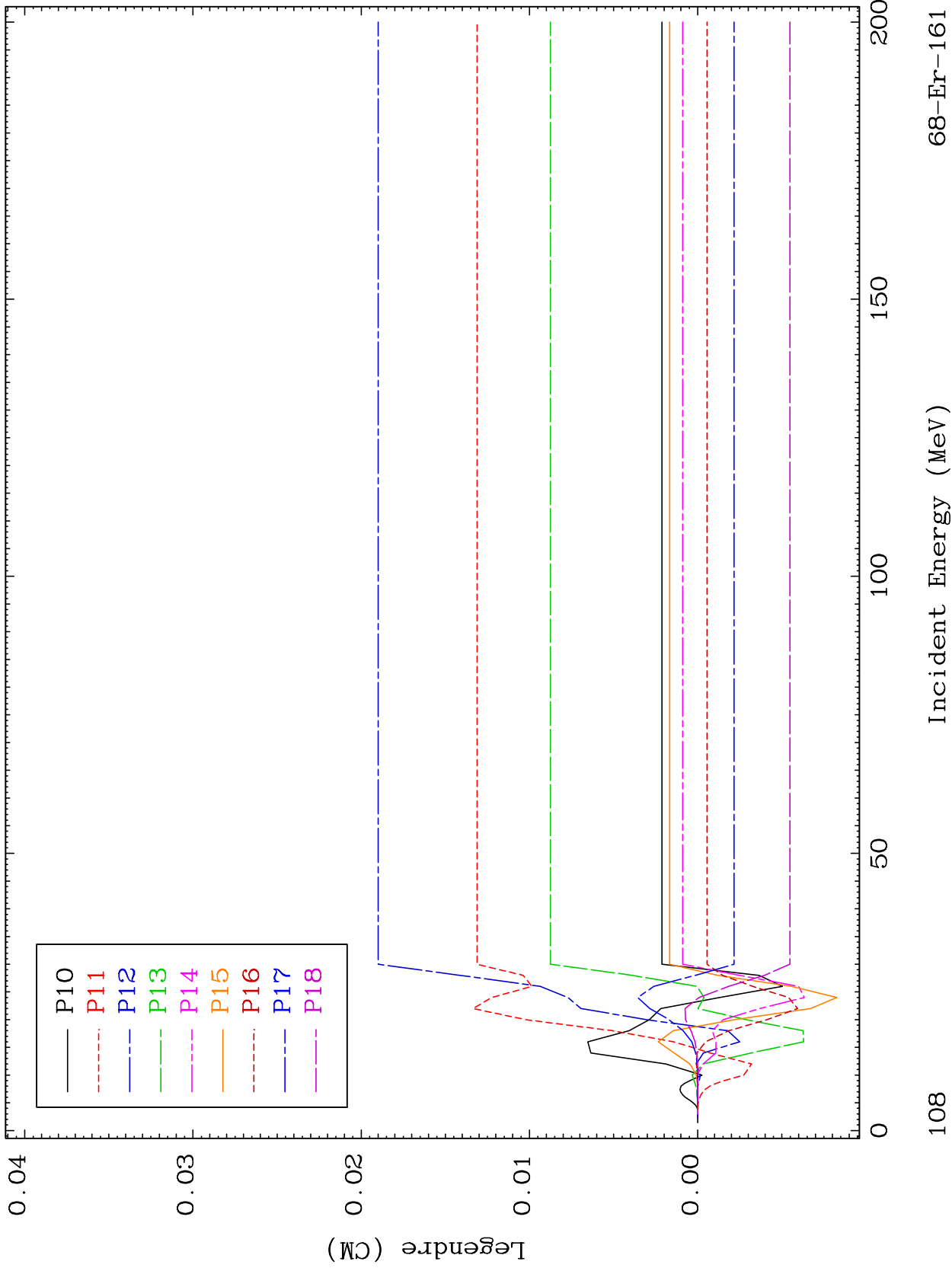
Incident Energy (MeV)

107

MAT 68222

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

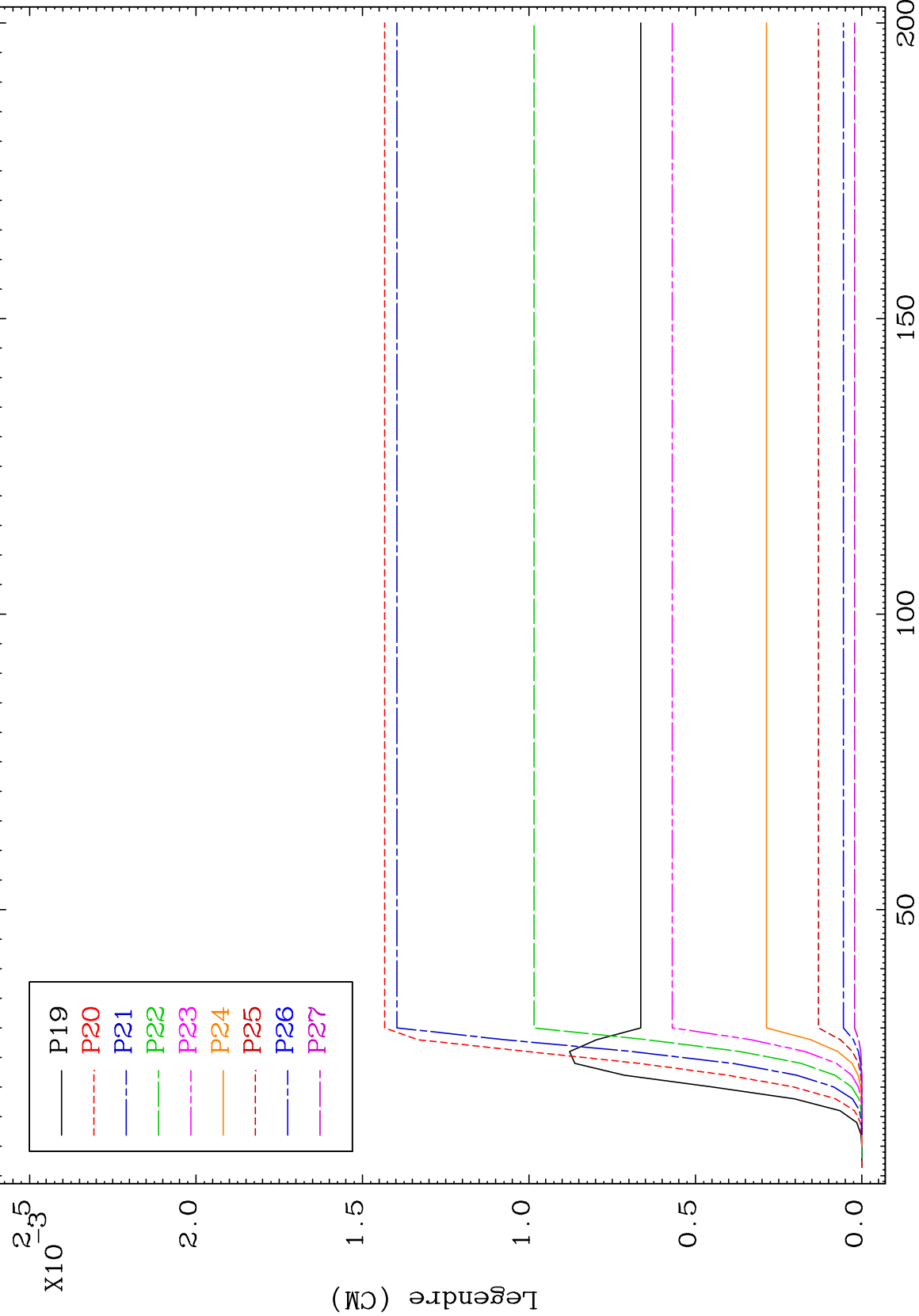
68-Er-161



108

Incident Energy (MeV)

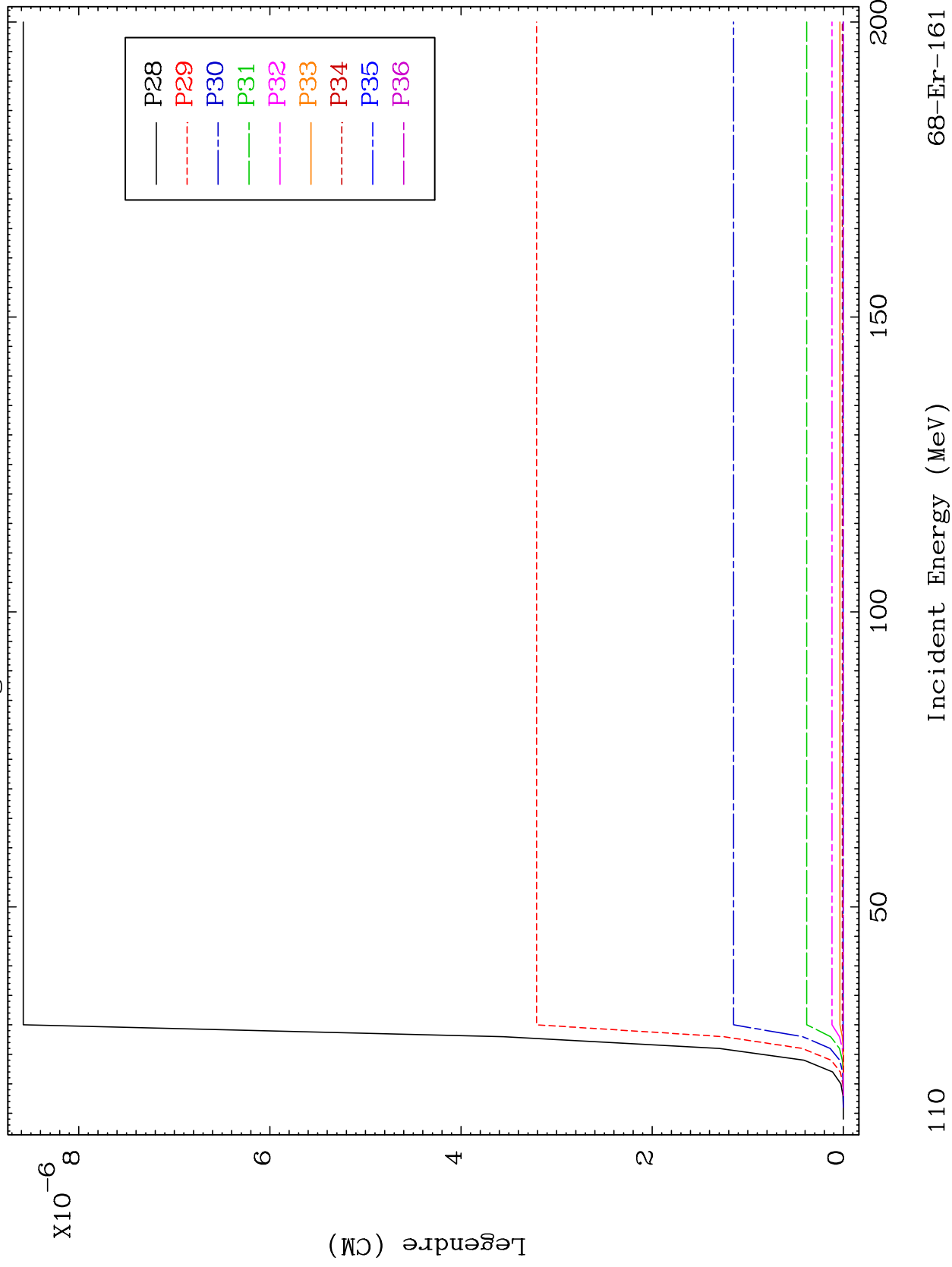
68-Er-161



MAT 6822

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

68-Er-161



68-Er-161

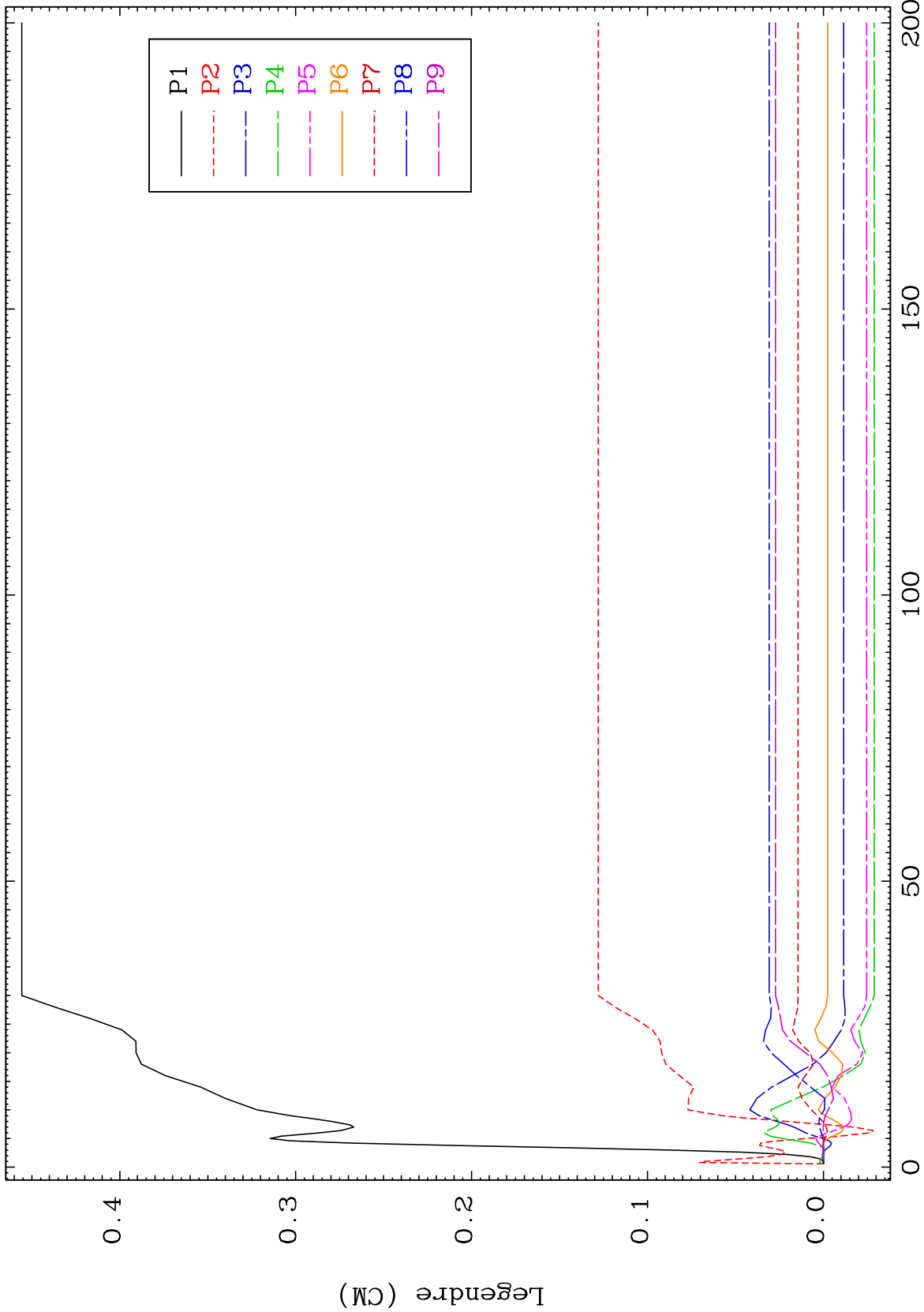
Incident Energy (MeV)

110

MAT 6822

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

68-Er-161



111

Incident Energy (MeV)

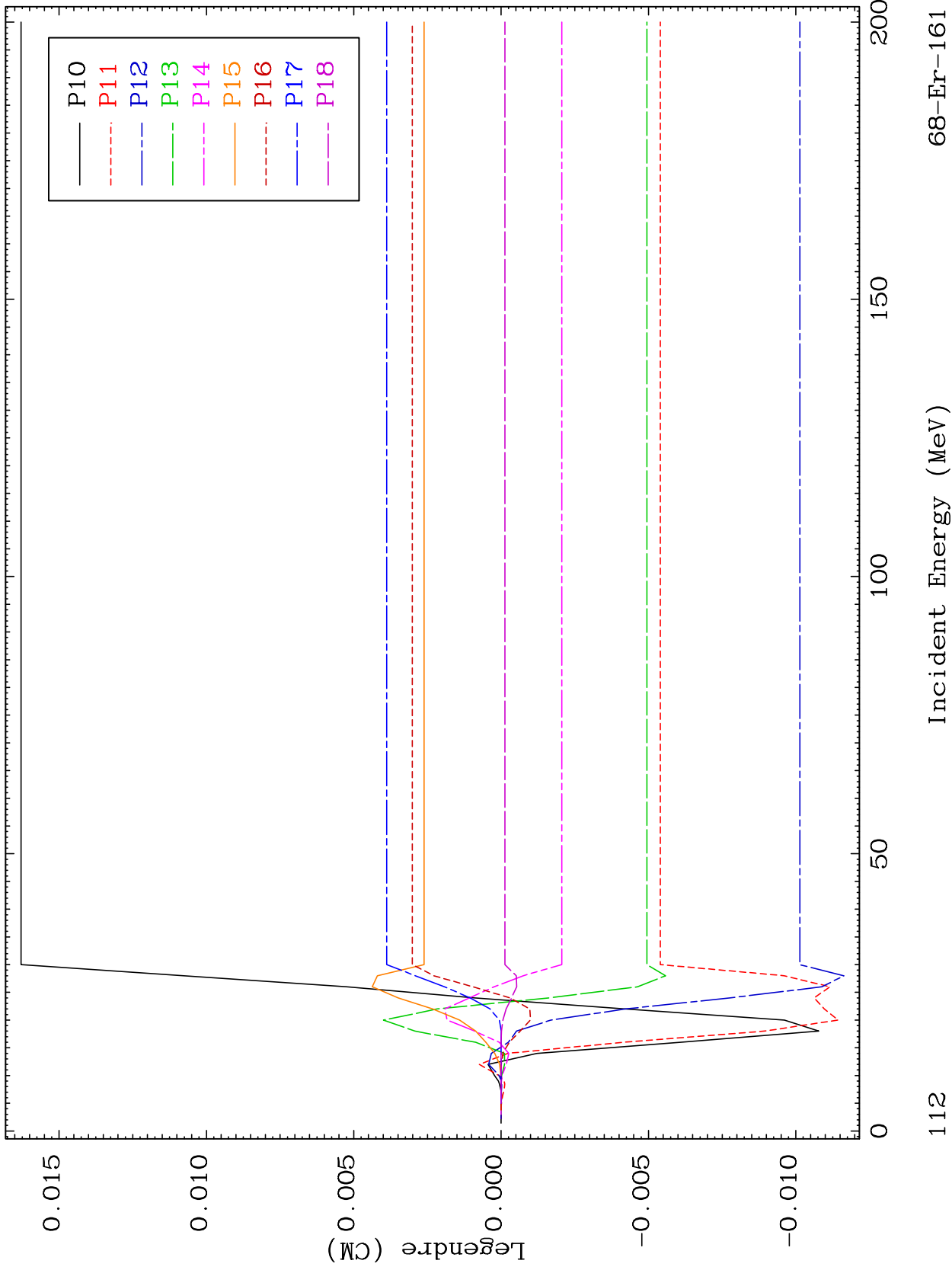
68-Er-161



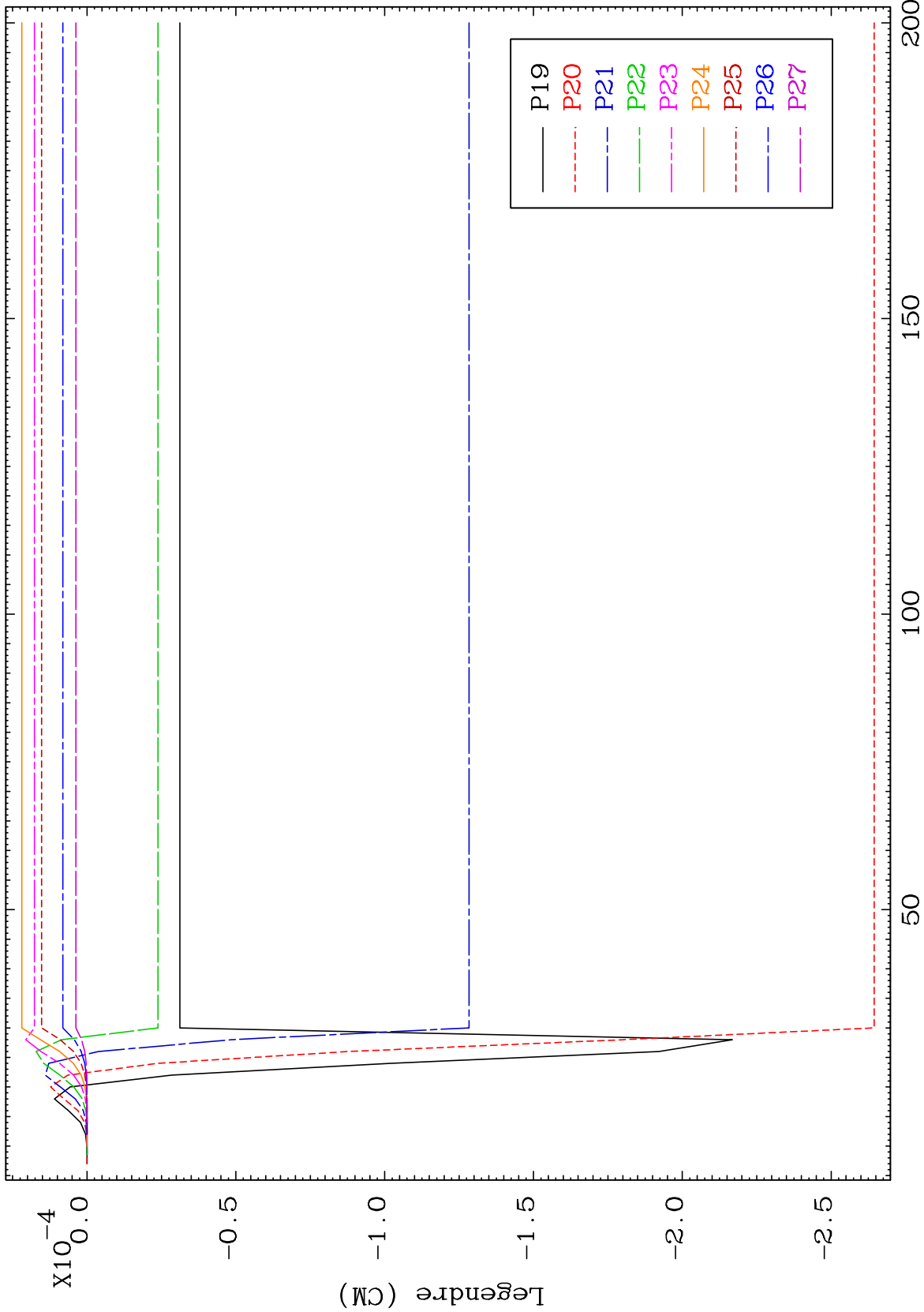
MAT 6822

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

68-Er-161



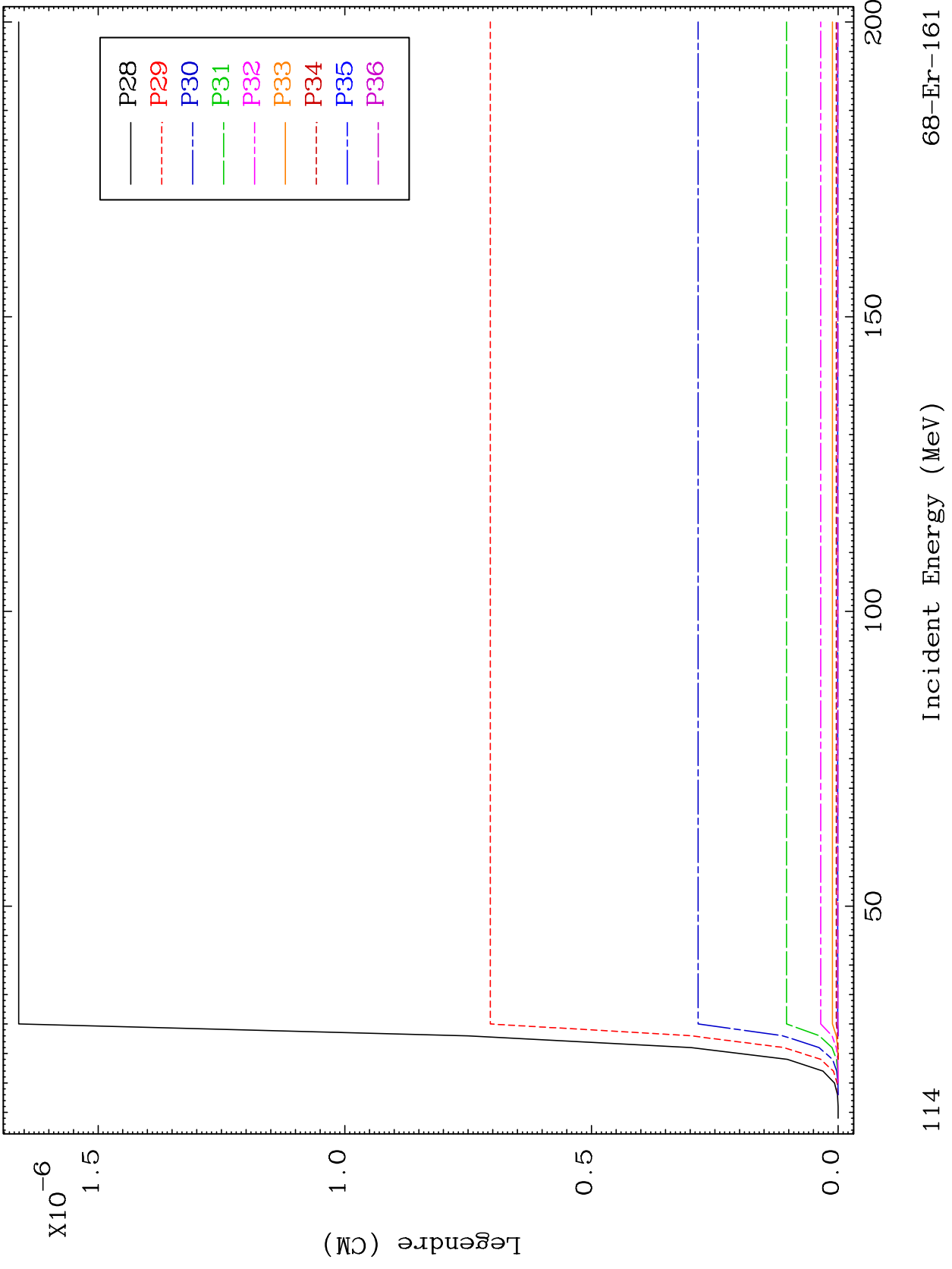
112



MAT 6822

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

68-Er-161



114

Incident Energy (MeV)

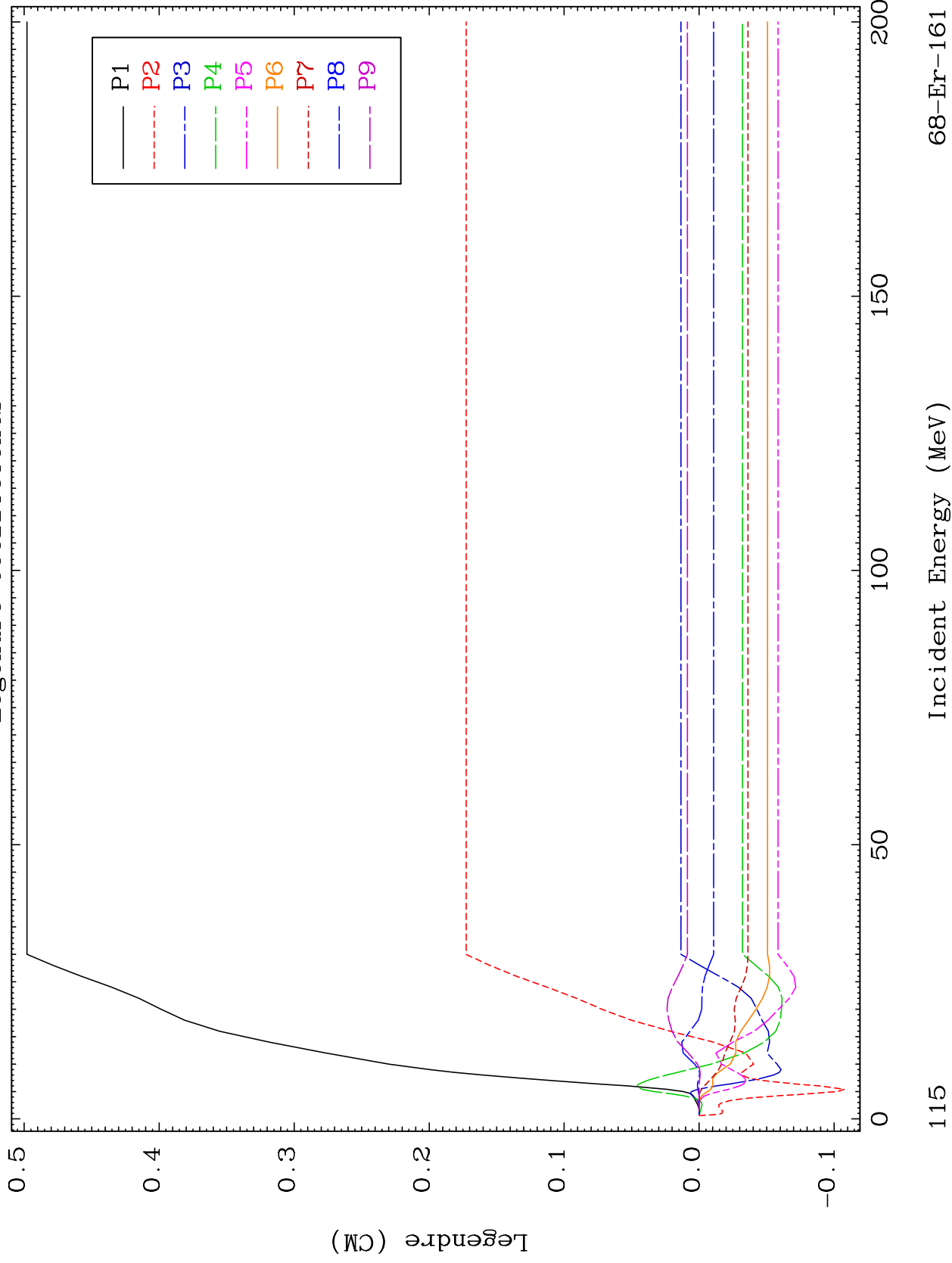
68-Er-161

MAT 68222

MT= 75 (n,n') Level

68-Er-161

Legendre Coefficients



68-Er-161

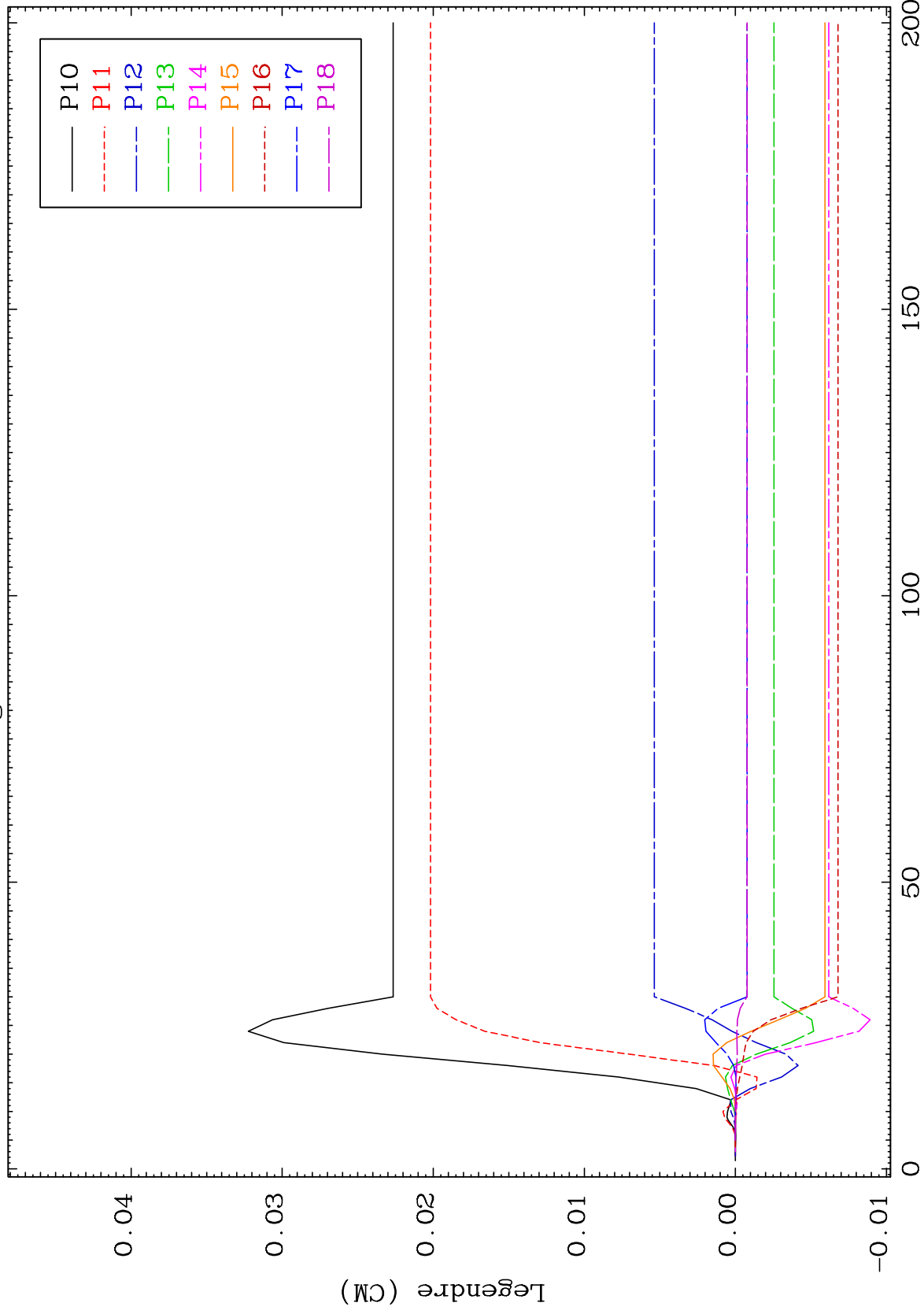
Incident Energy (MeV)

115

MAT 6822

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

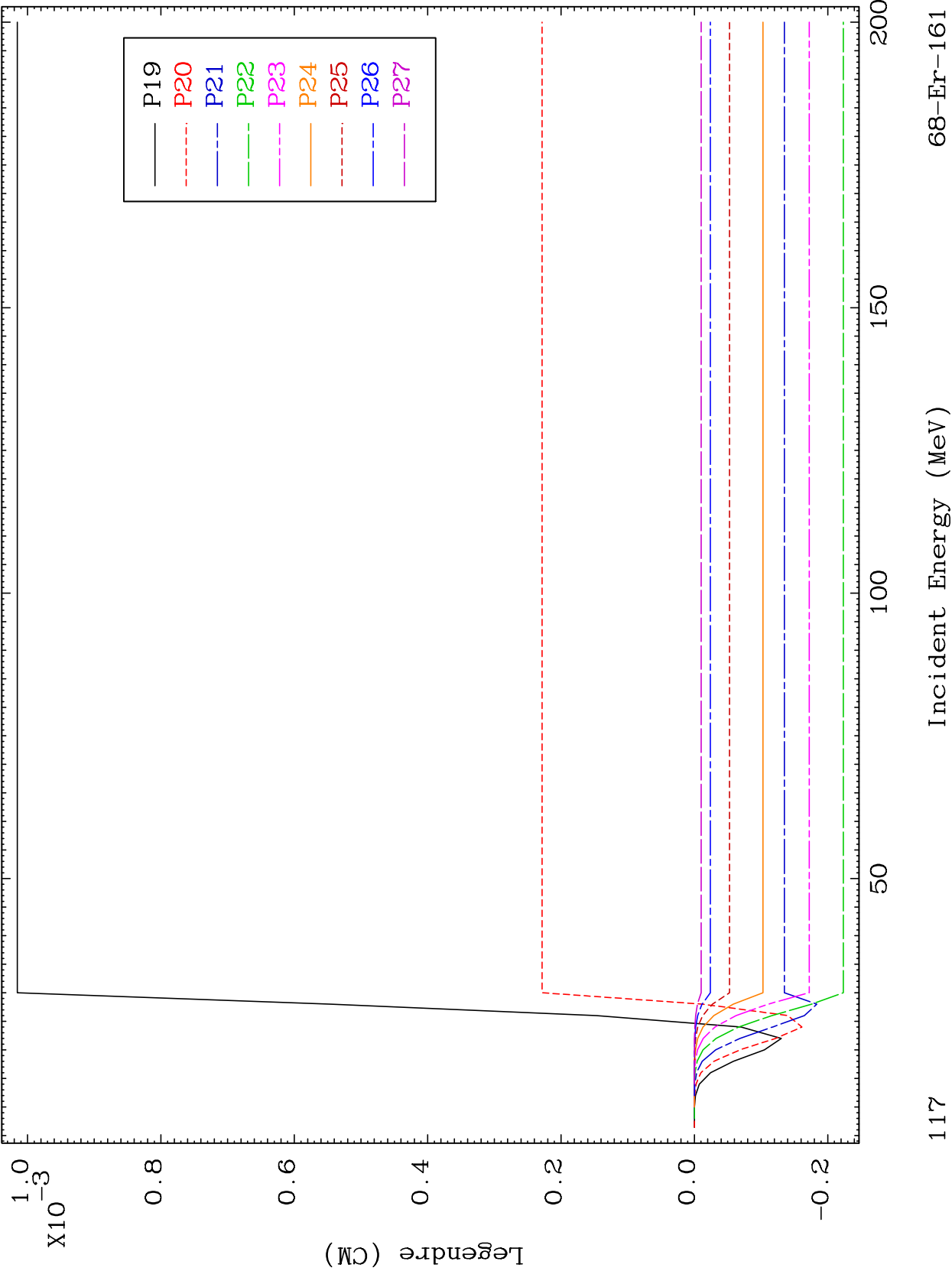
68-Er-161



116

Incident Energy (MeV)

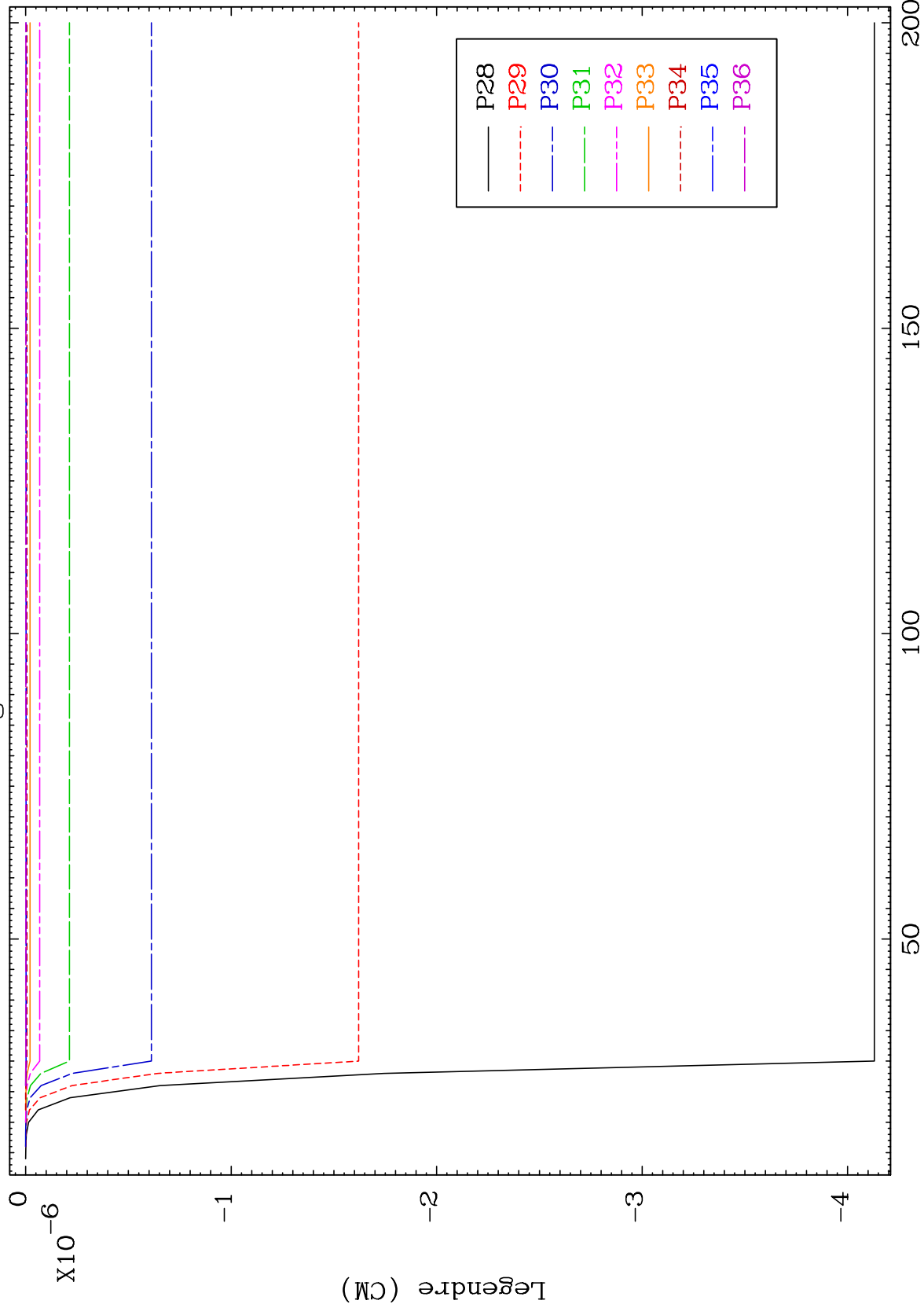
68-Er-161



MAT 6822

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

68-Er-161



118

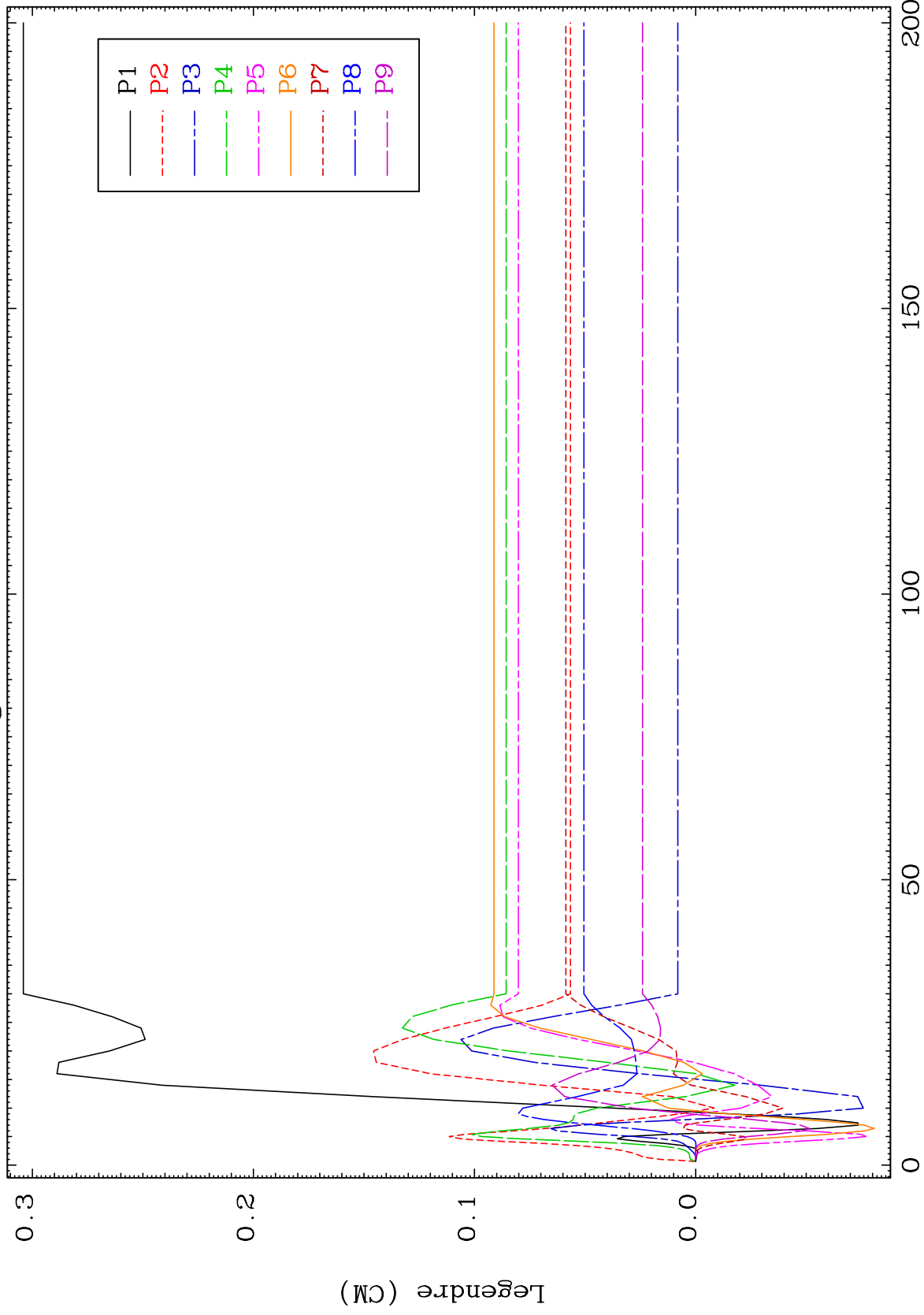
Incident Energy (MeV)

68-Er-161

MAT 68222

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

68-Er-161



119

Incident Energy (MeV)

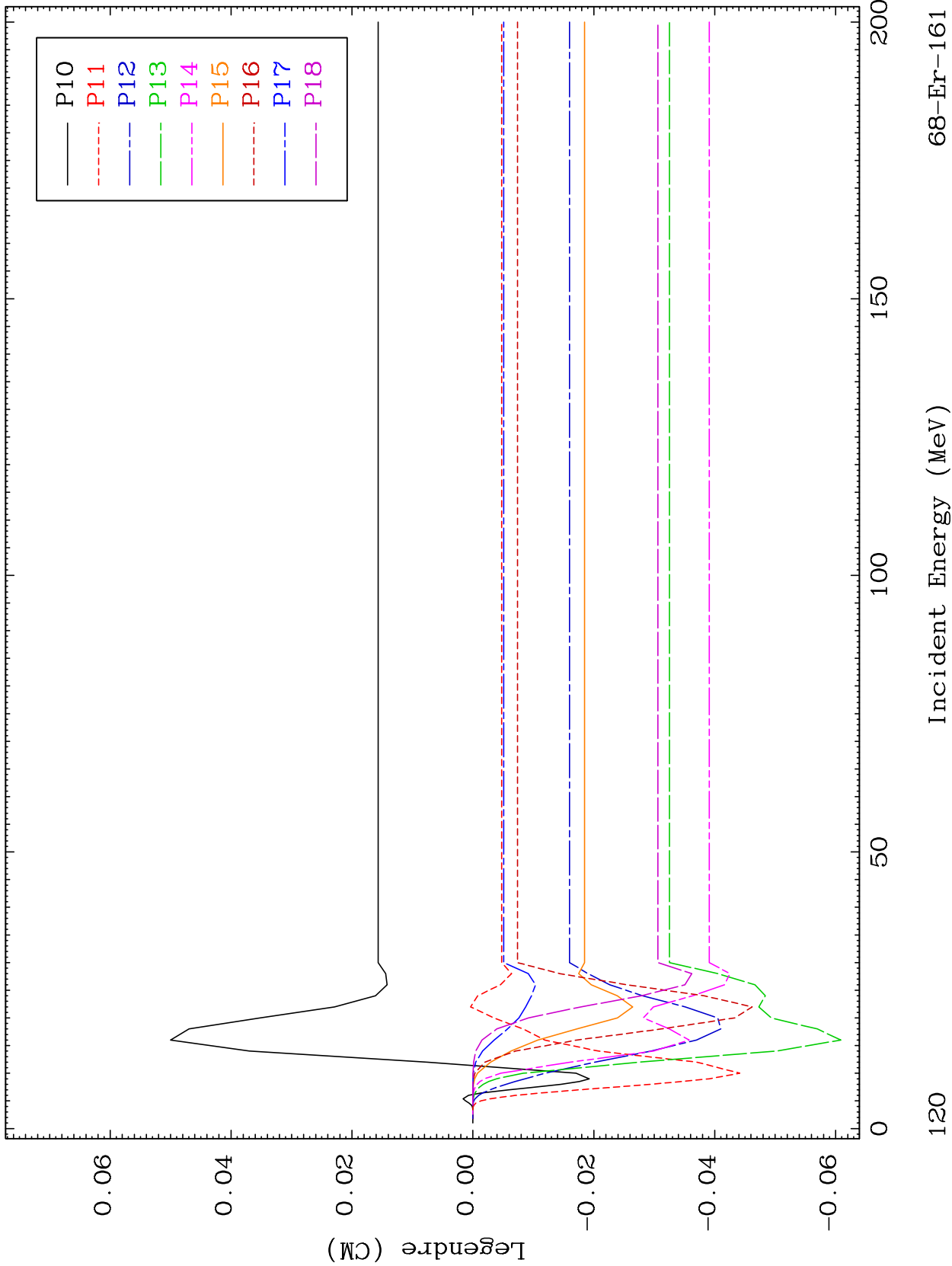
68-Er-161



MAT 6822

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

68-Er-161



68-Er-161

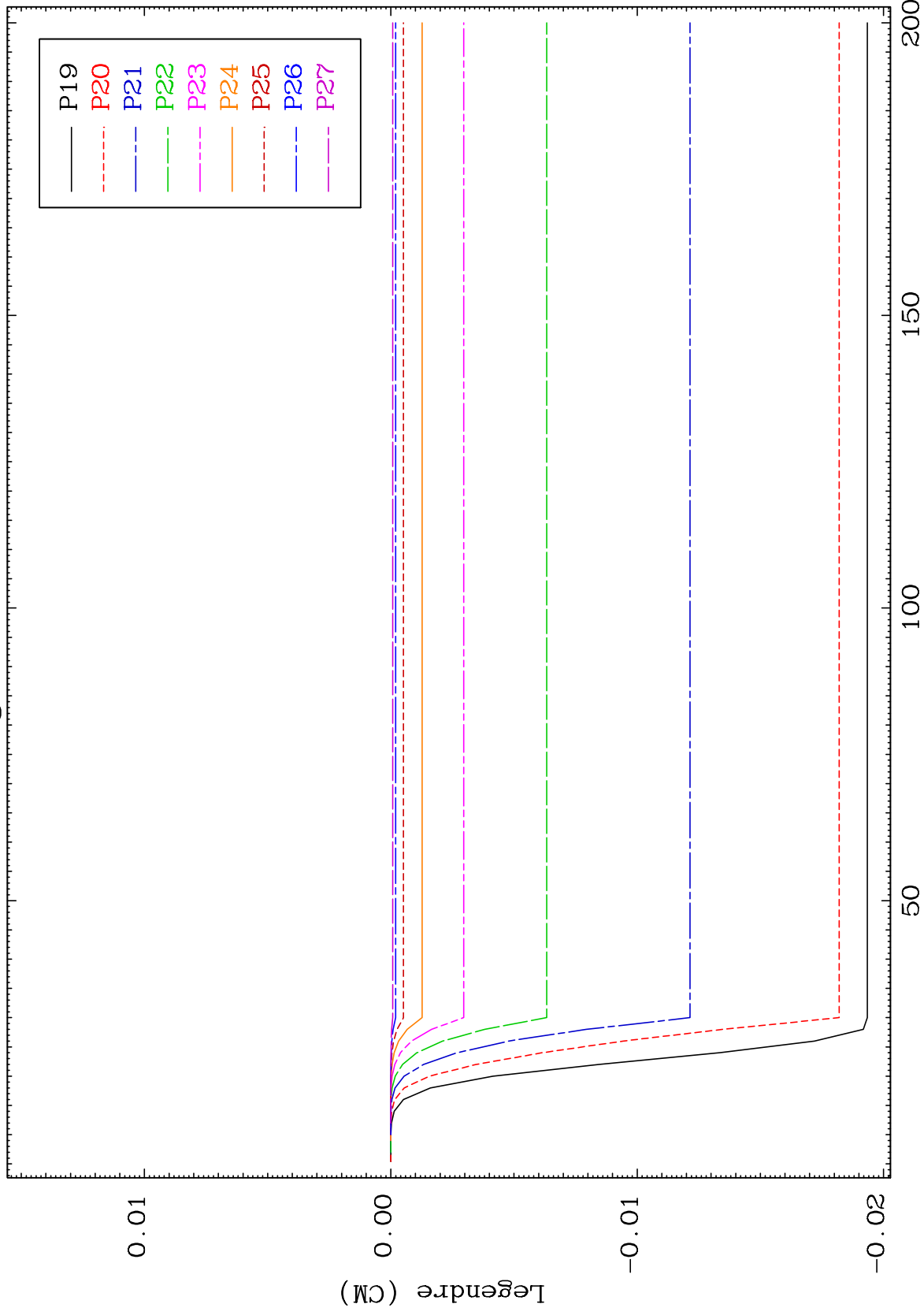
Incident Energy (MeV)

120

MAT 6822

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

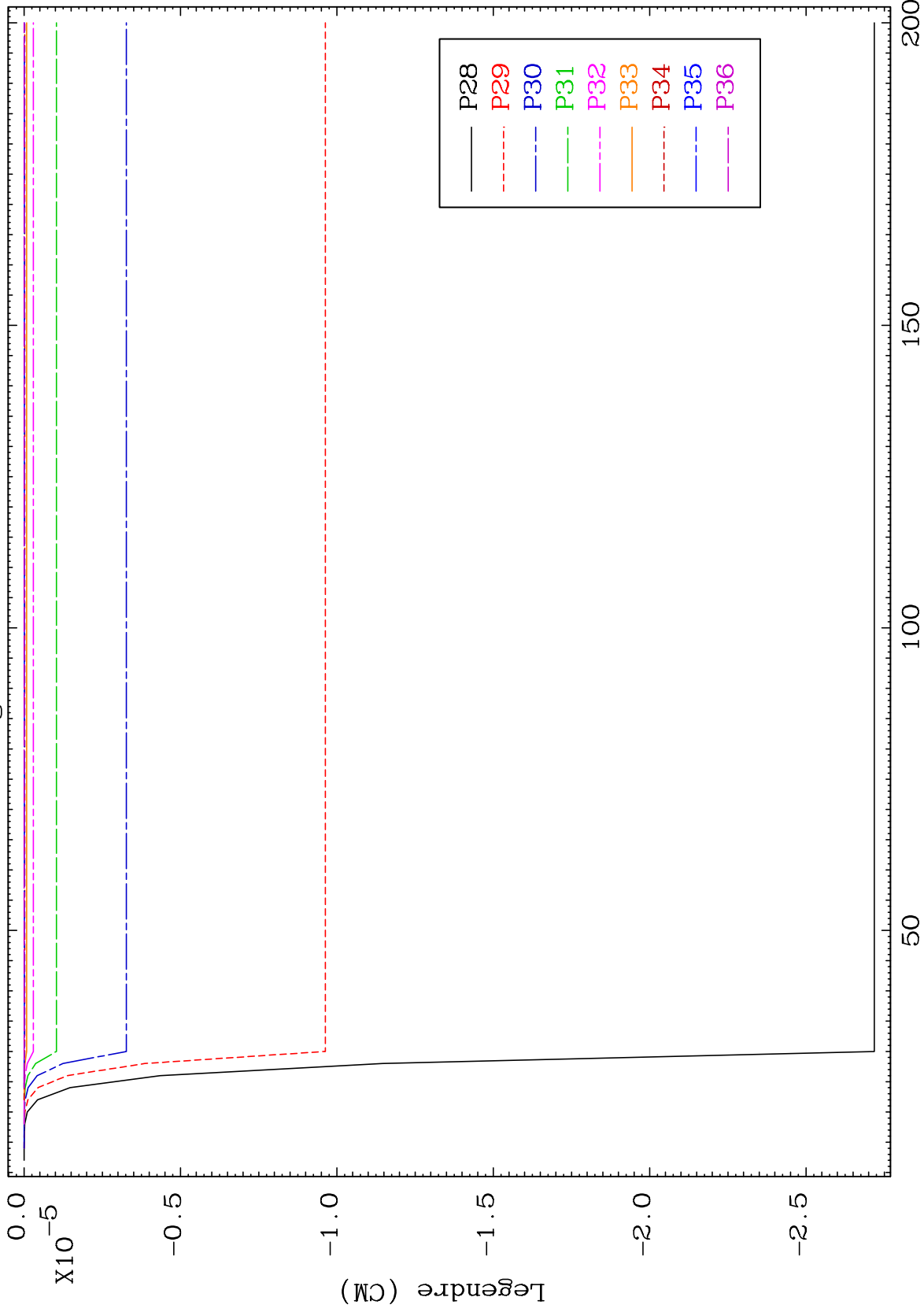
68-Er-161



121

Incident Energy (MeV)

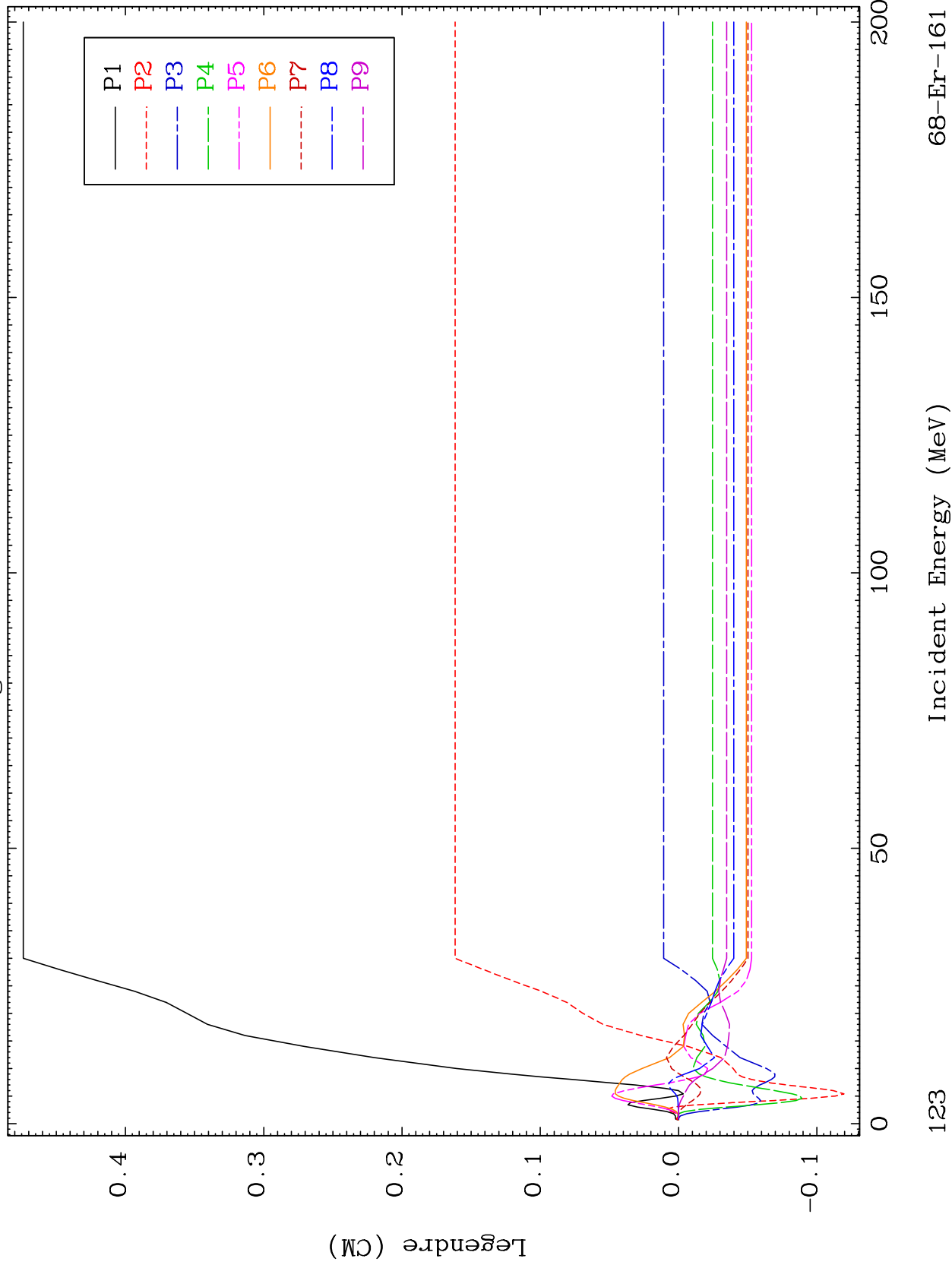
68-Er-161



MAT 68222

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

68-Er-161



68-Er-161

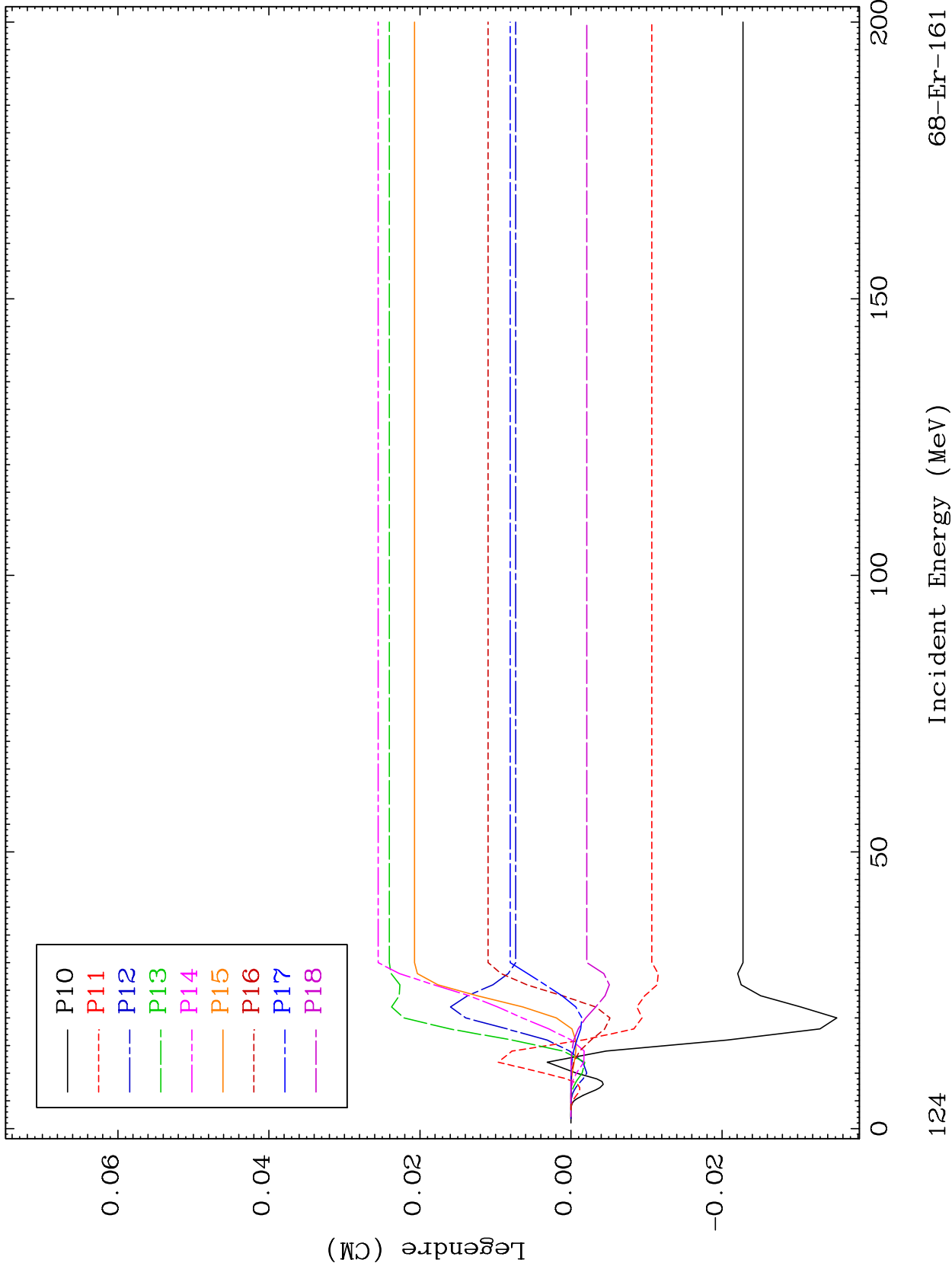
Incident Energy (MeV)

123

MAT 68222

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

68-Er-161



124

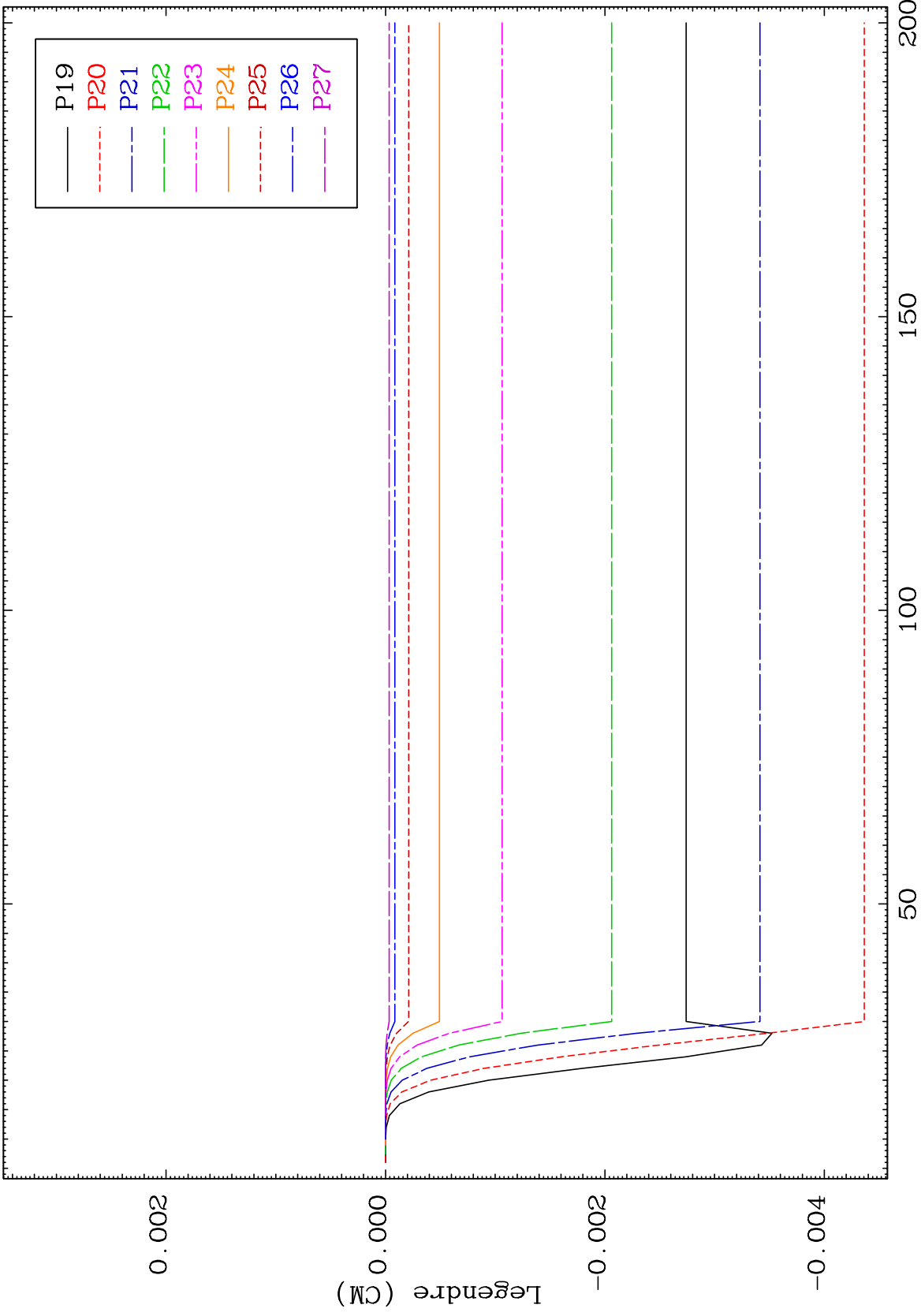
Incident Energy (MeV)

68-Er-161

MAT 6822

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

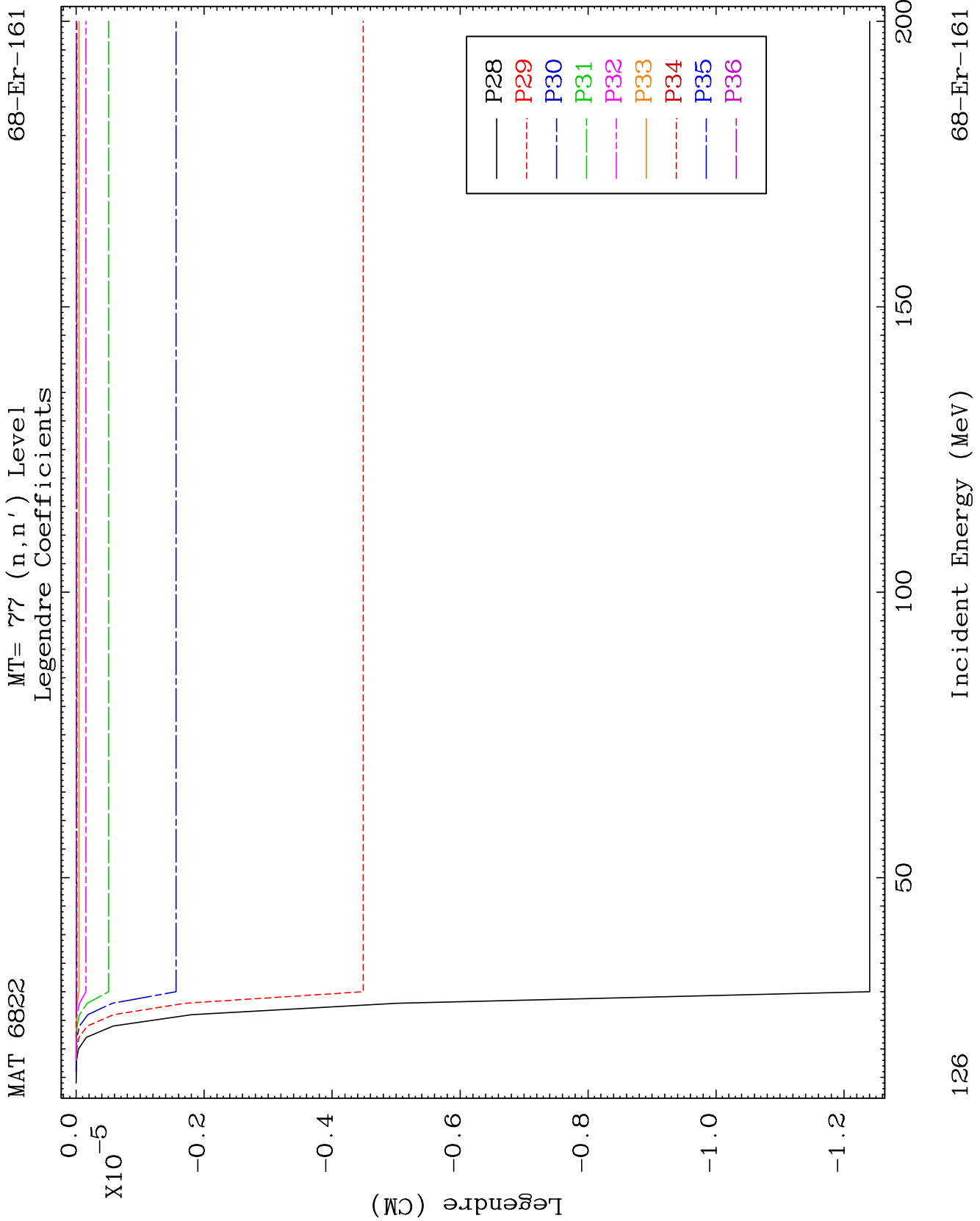
68-Er-161



125

Incident Energy (MeV)

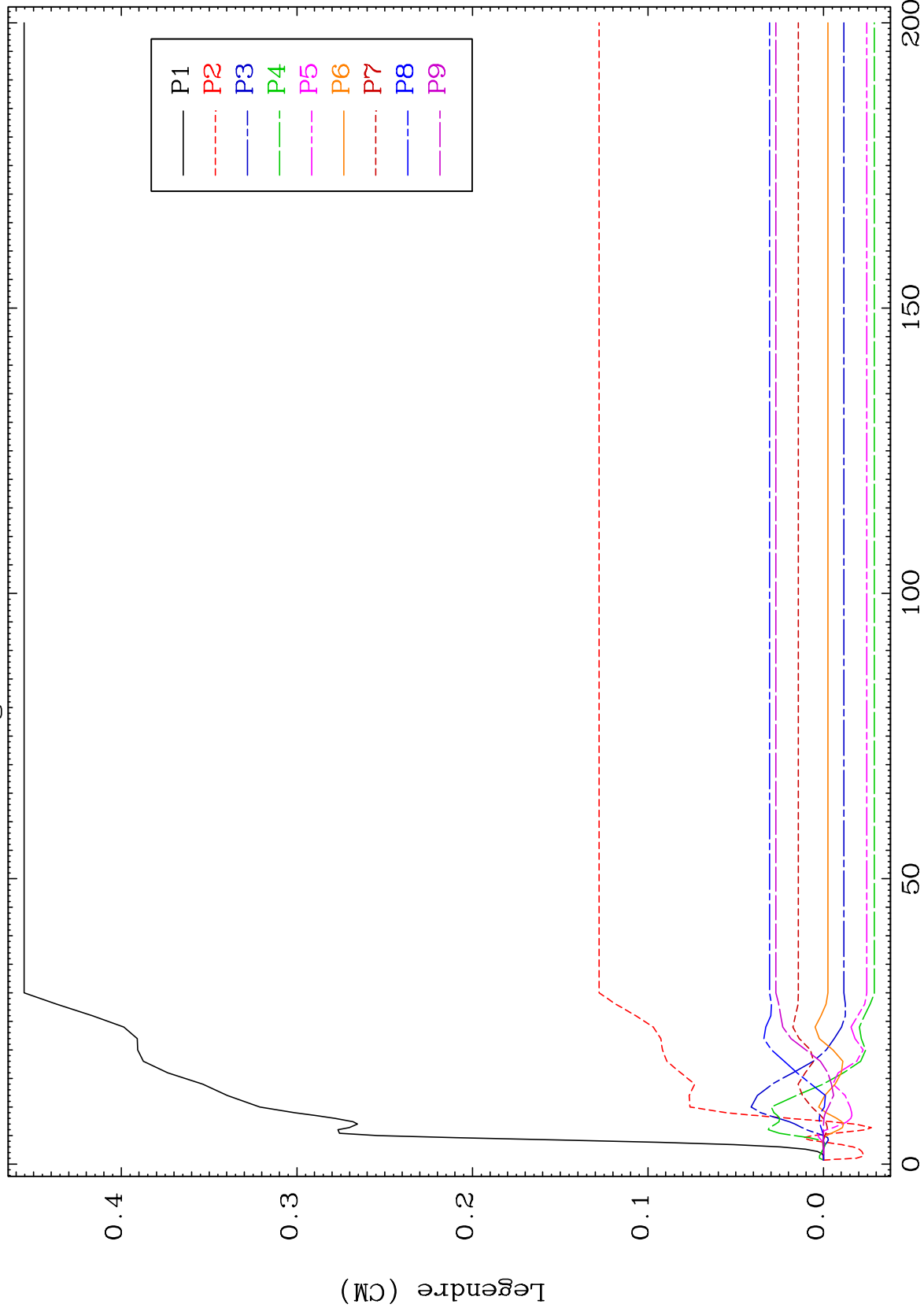
68-Er-161



MAT 6822

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

68-Er-161

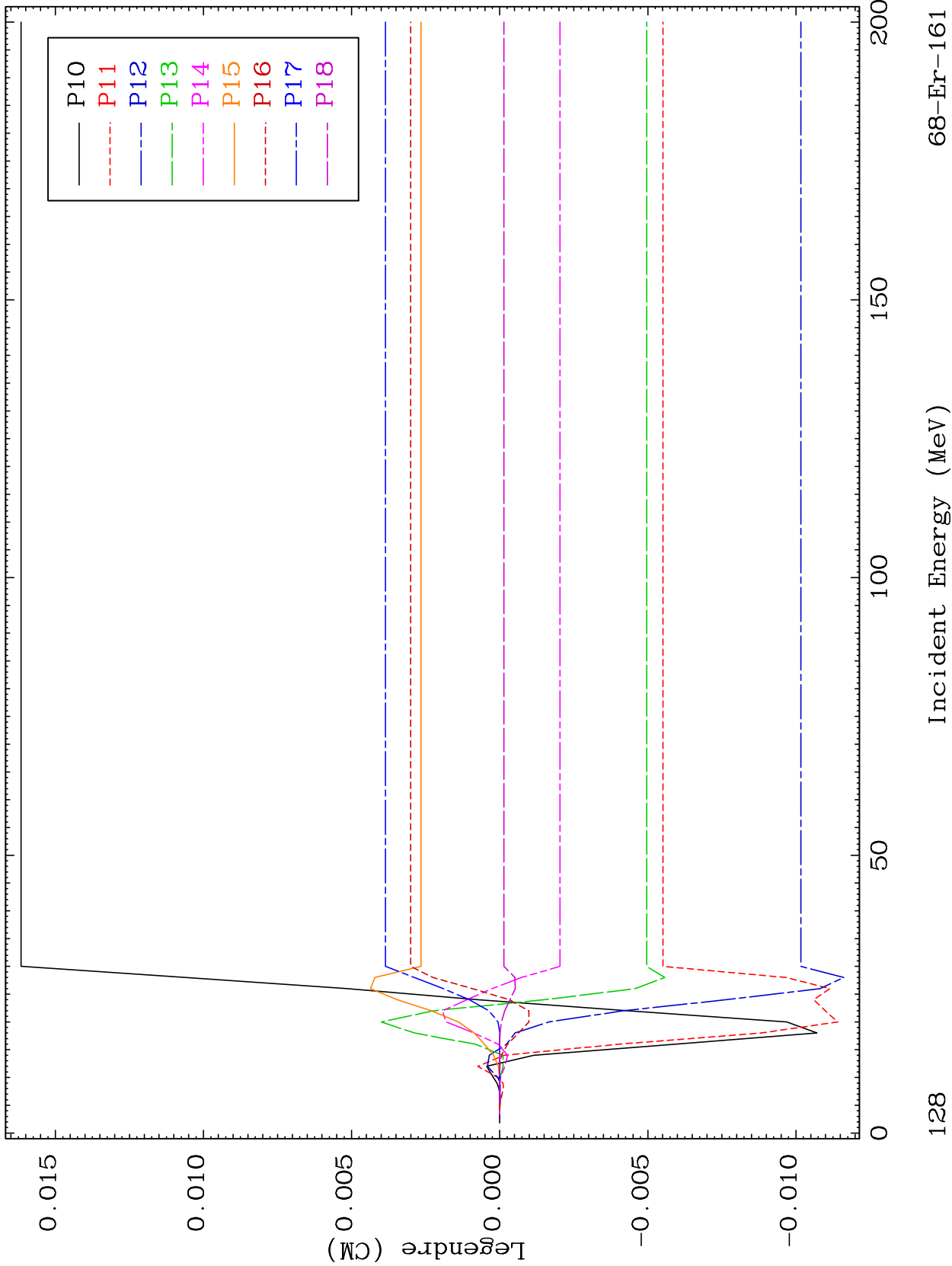


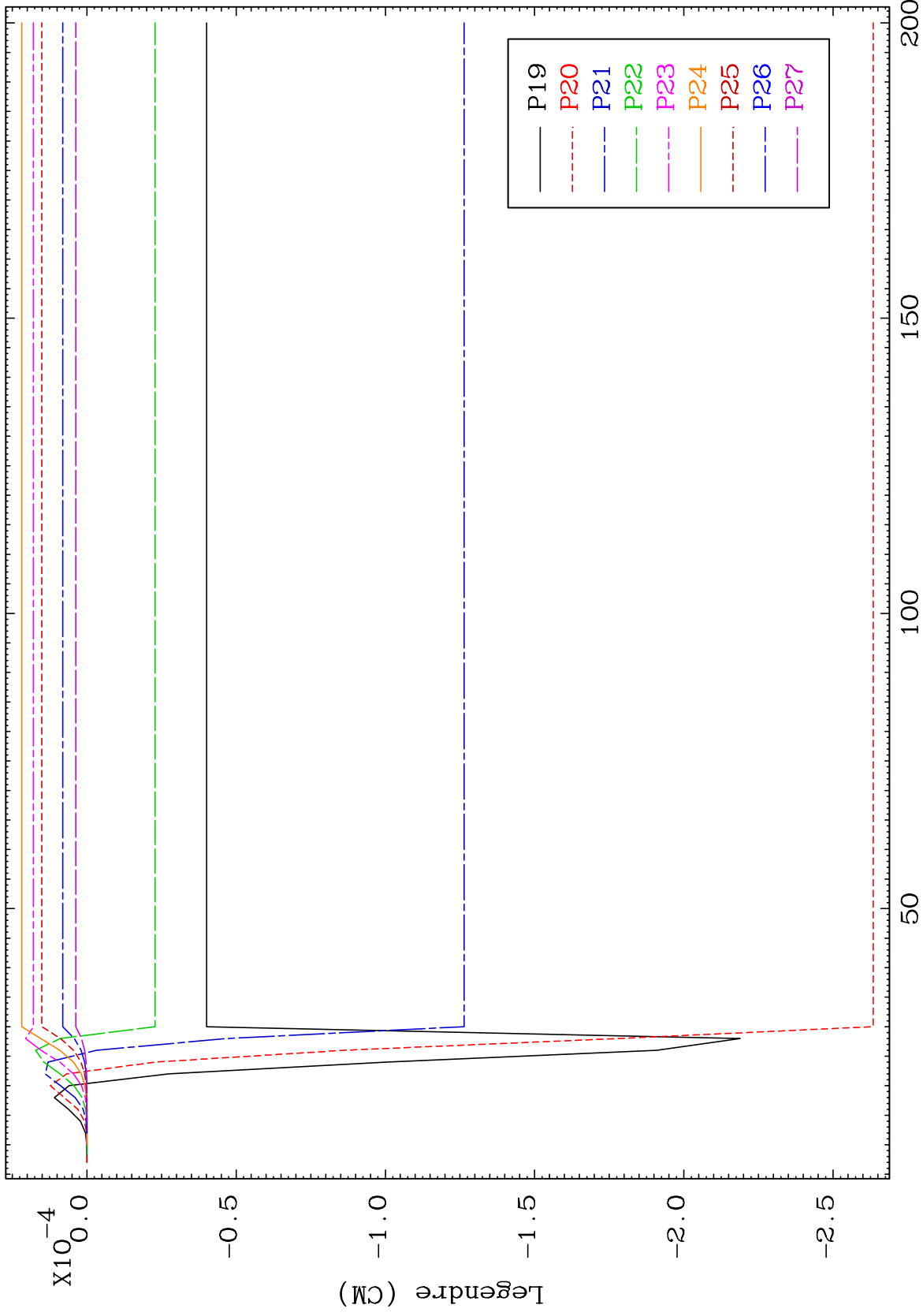
127

Incident Energy (MeV)

68-Er-161



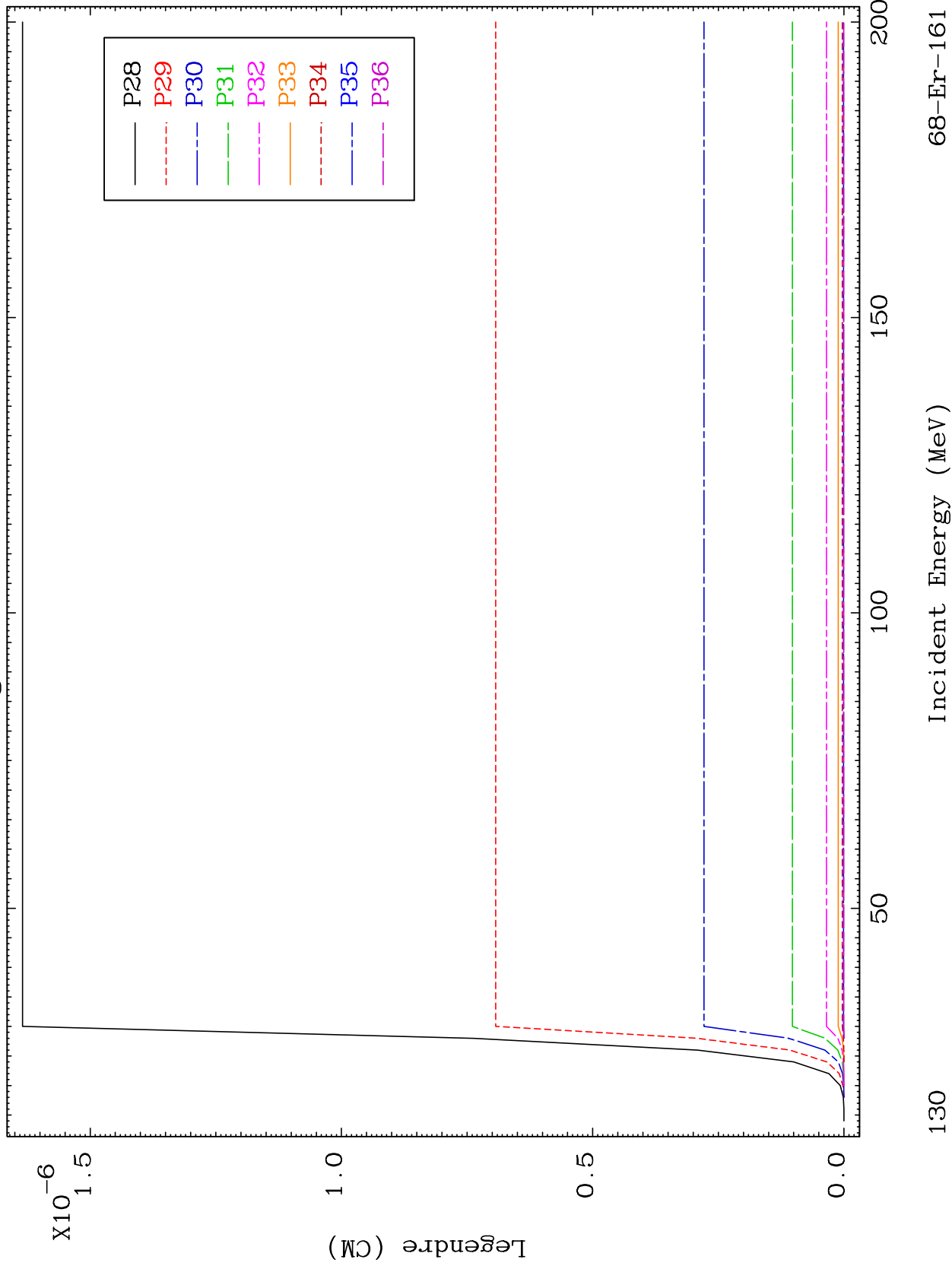




MAT 6822

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

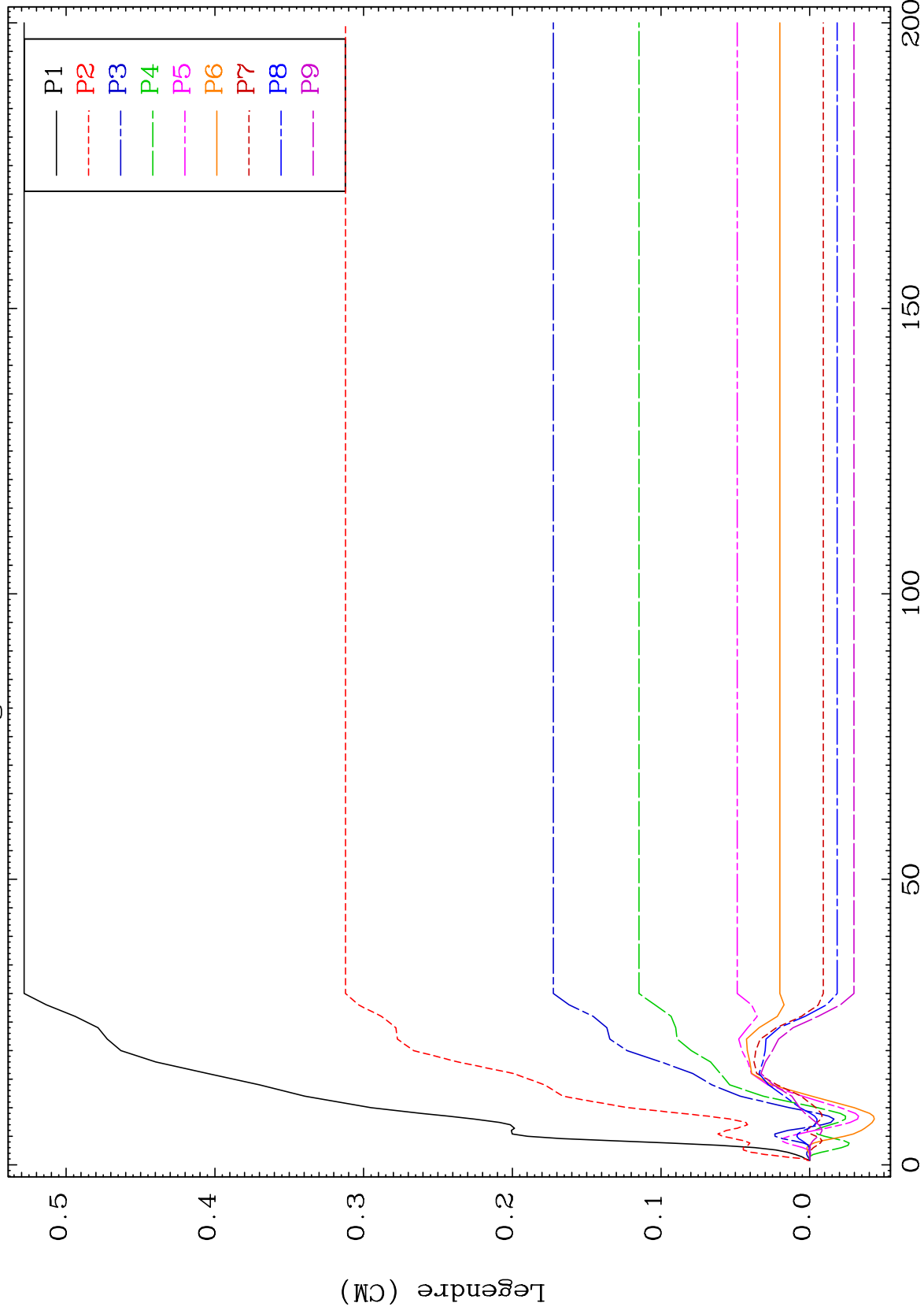
68-Er-161



MAT 68222

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

68-Er-161



131

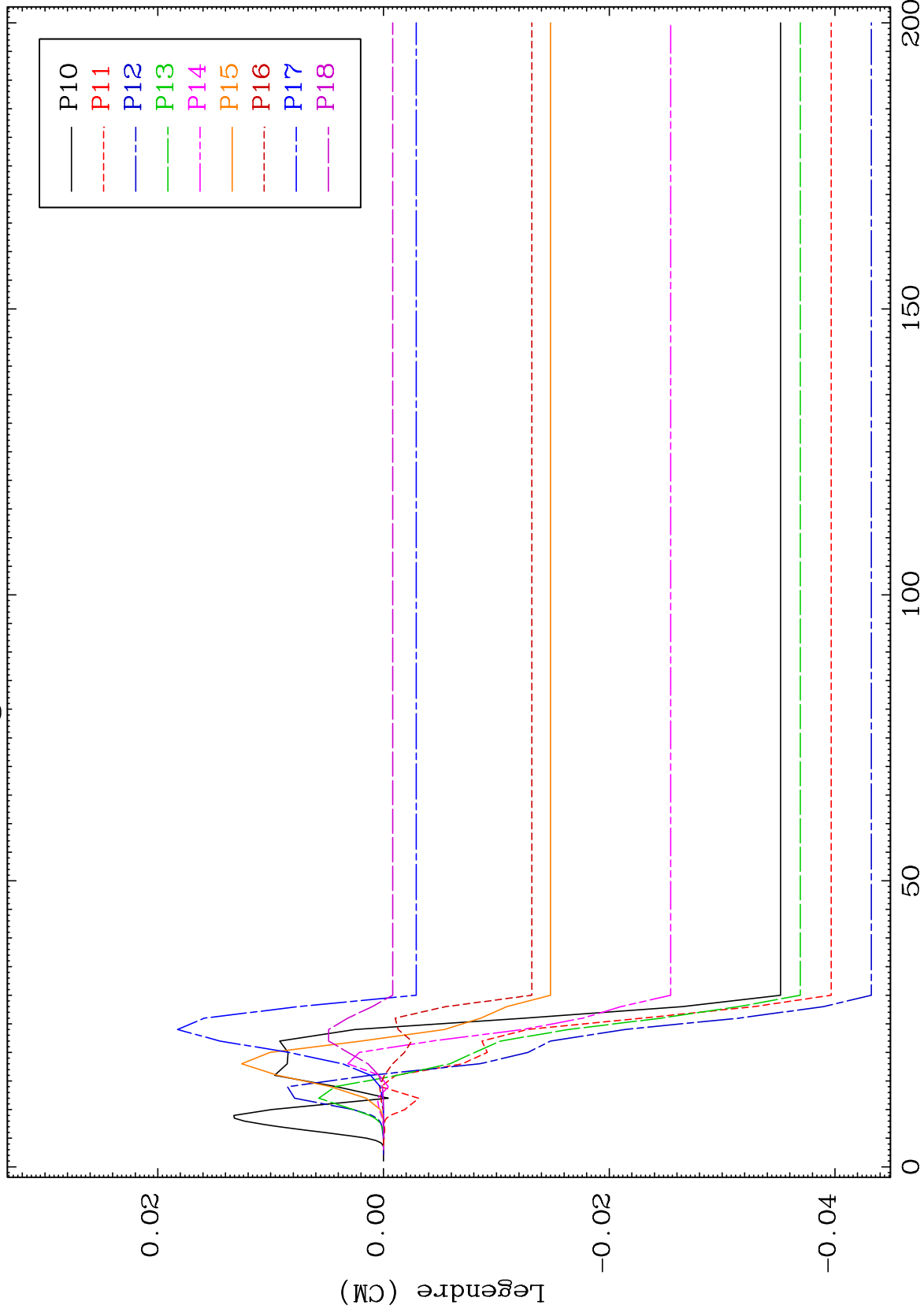
Incident Energy (MeV)

68-Er-161

MAT 68222

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

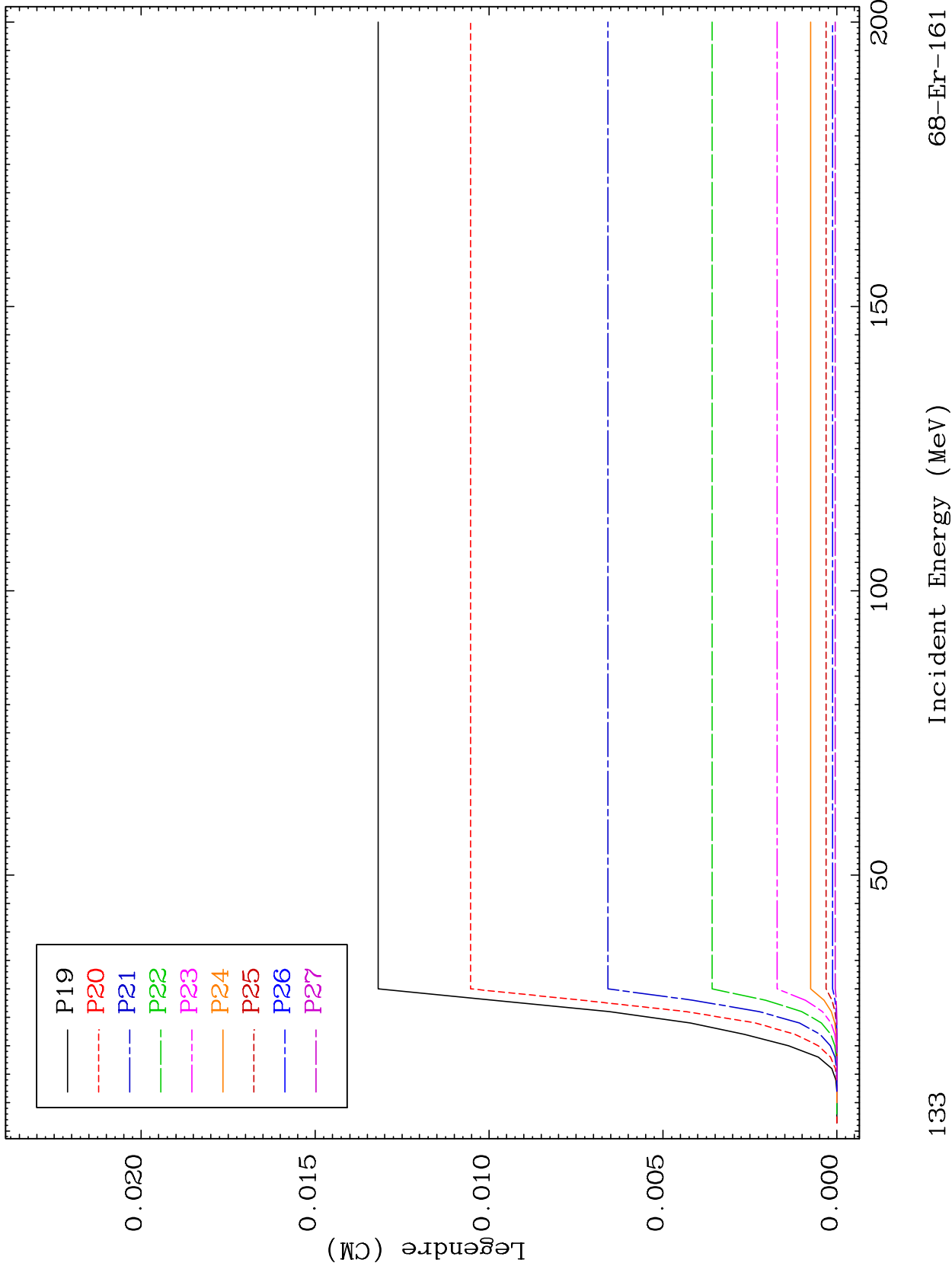
68-Er-161



132

Incident Energy (MeV)

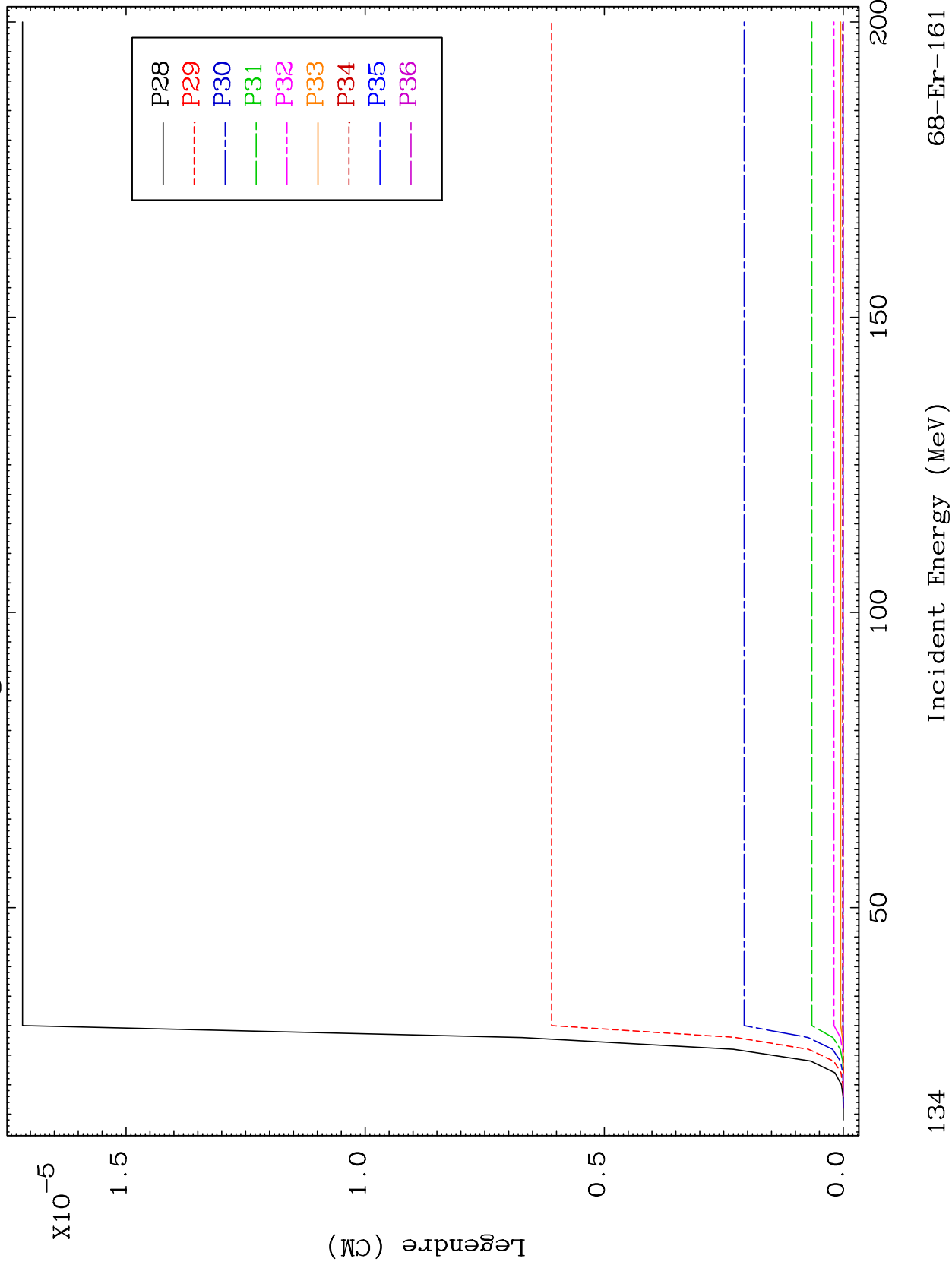
68-Er-161



MAT 68222

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

68-Er-161

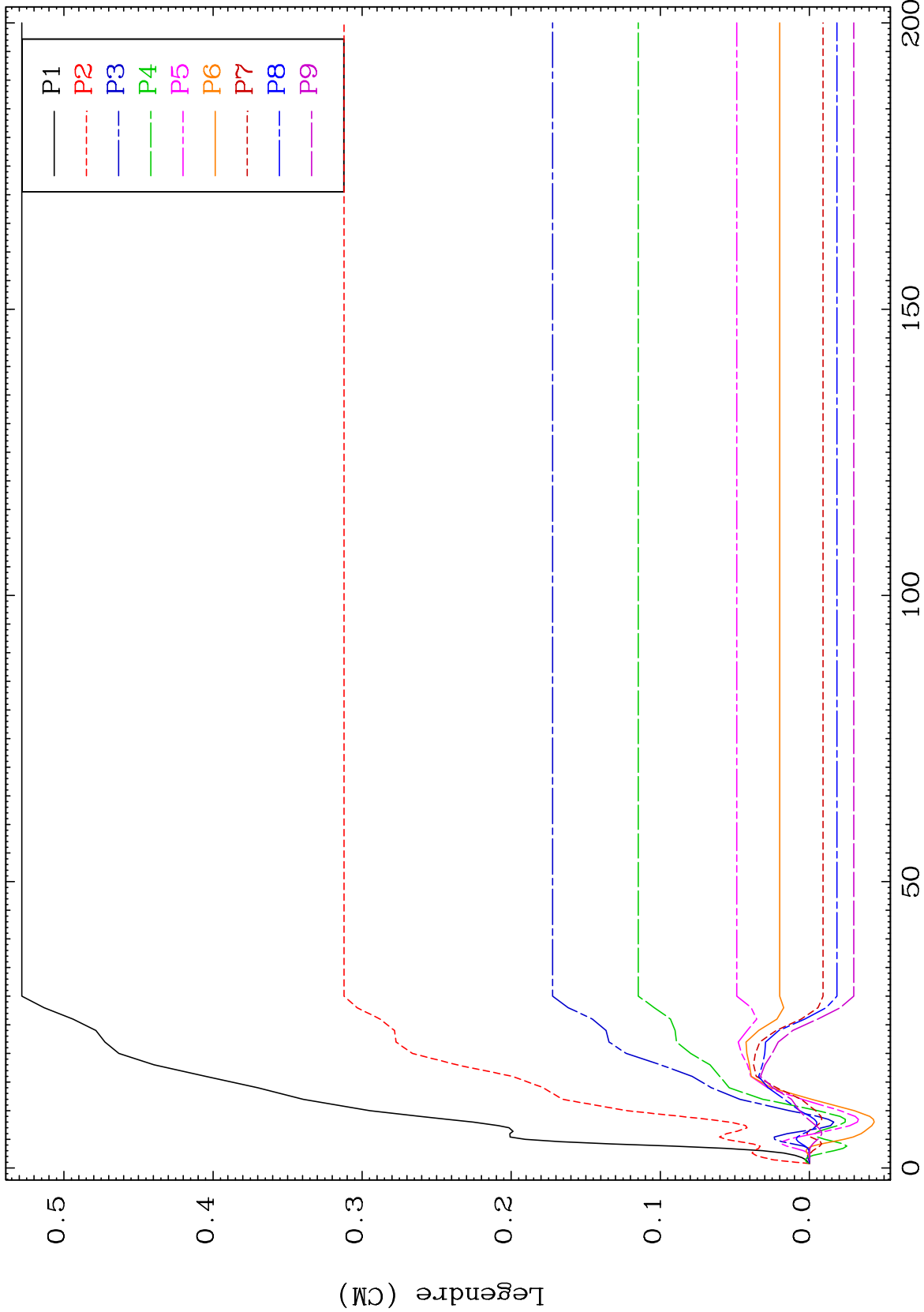


134

MAT 6822

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

68-Er-161



135

Incident Energy (MeV)

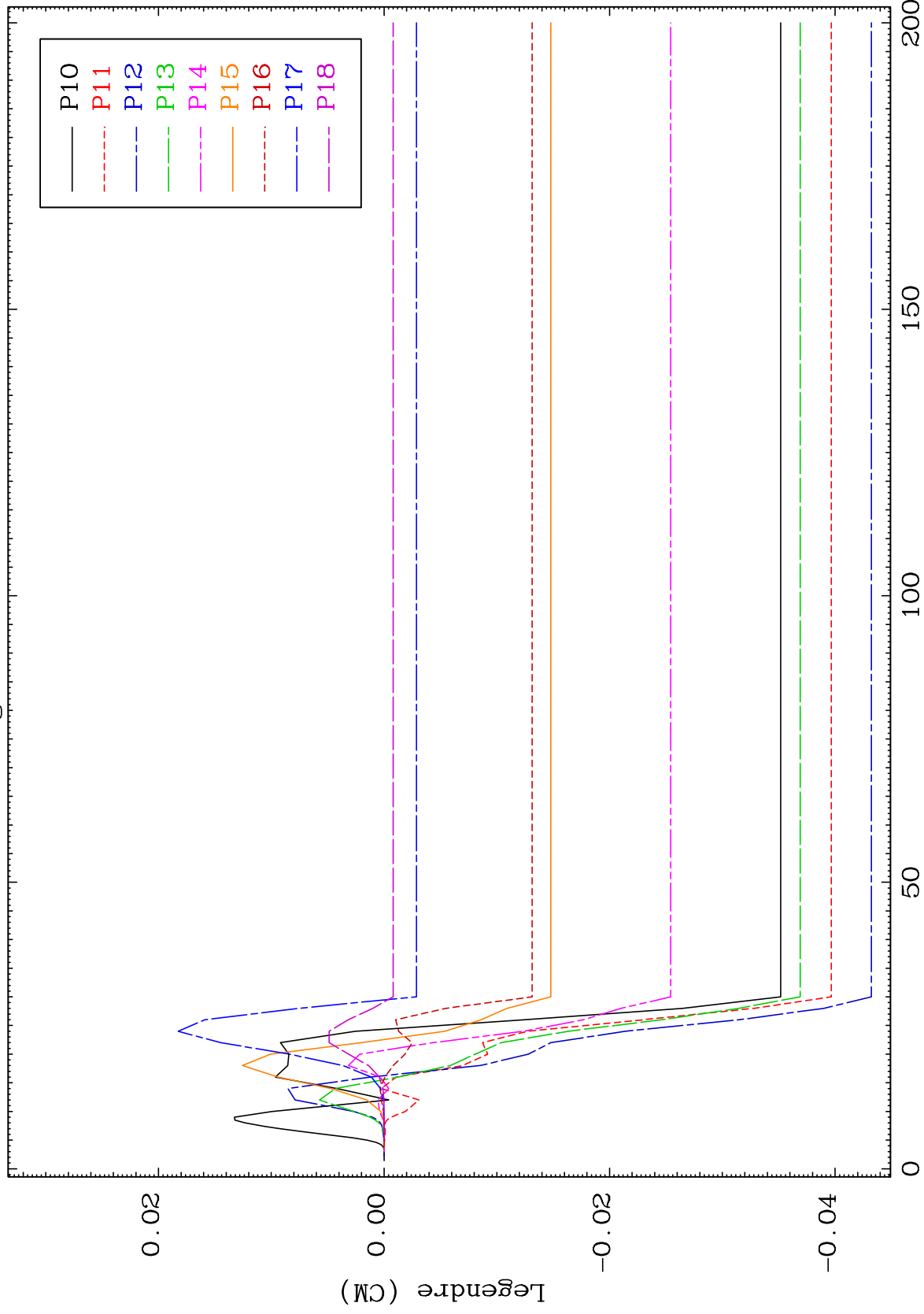
68-Er-161



MAT 68222

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

68-Er-161



68-Er-161

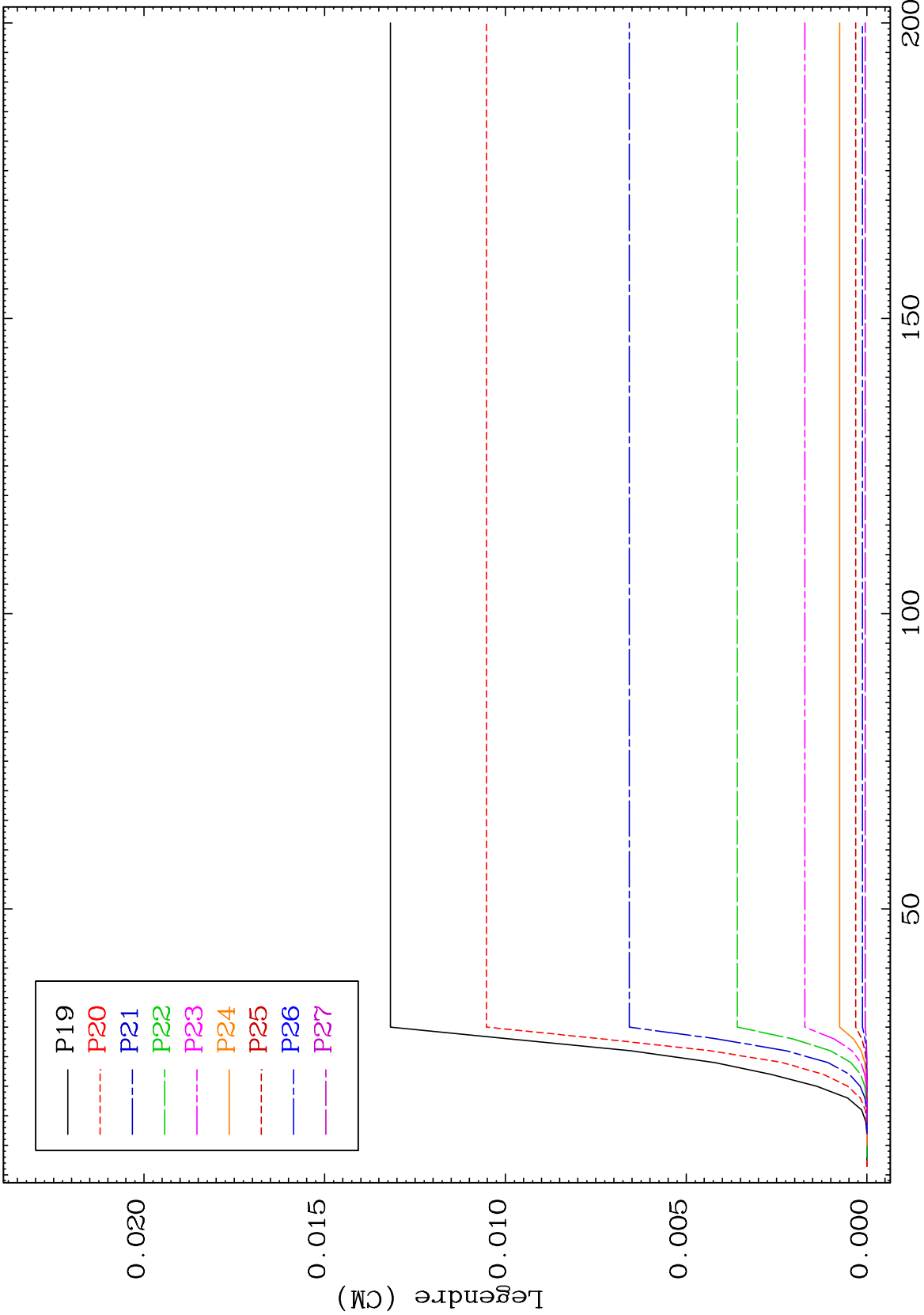
Incident Energy (MeV)

136

MAT 68222

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

68-Er-161



137

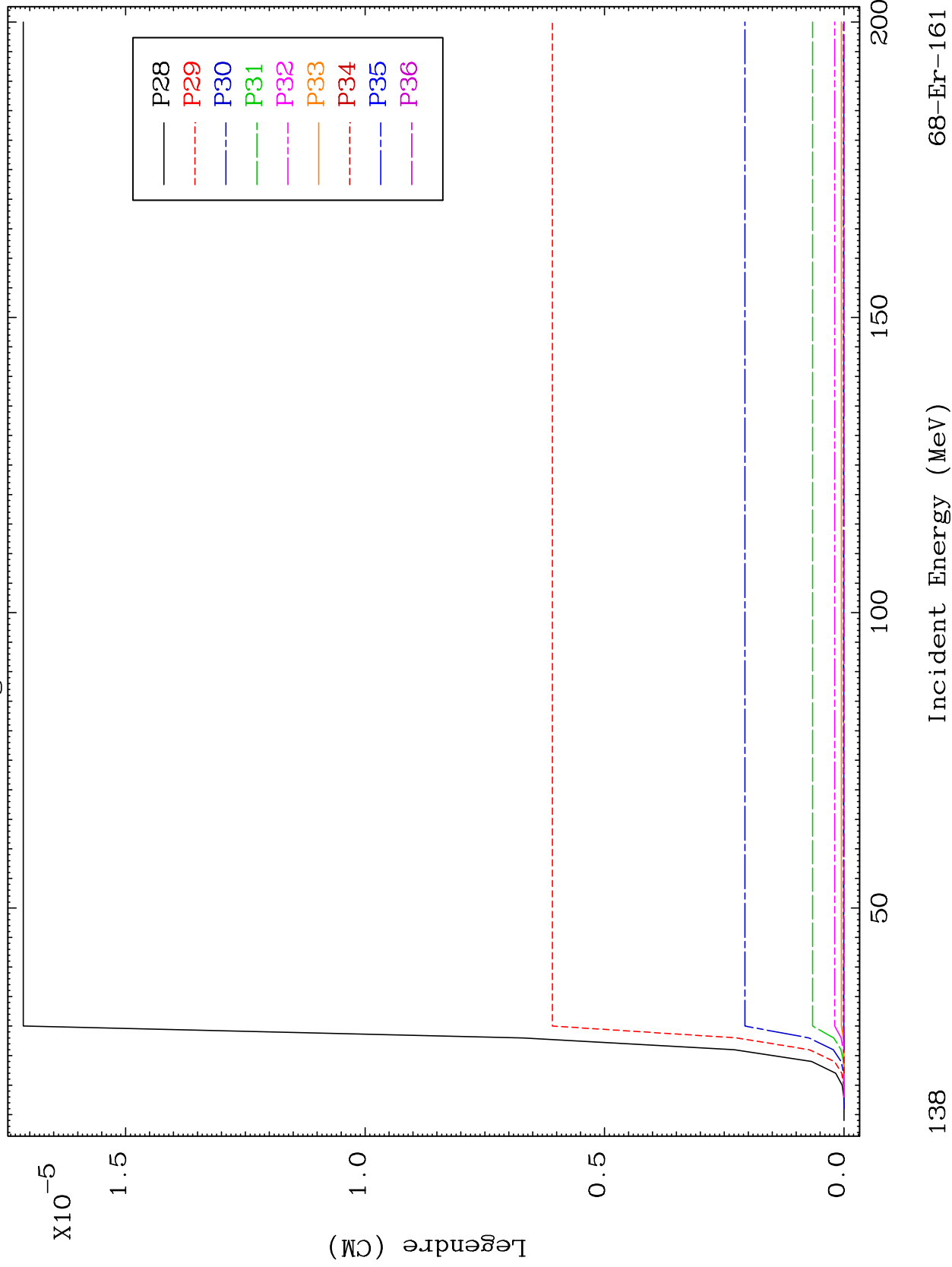
Incident Energy (MeV)

68-Er-161

MAT 6822

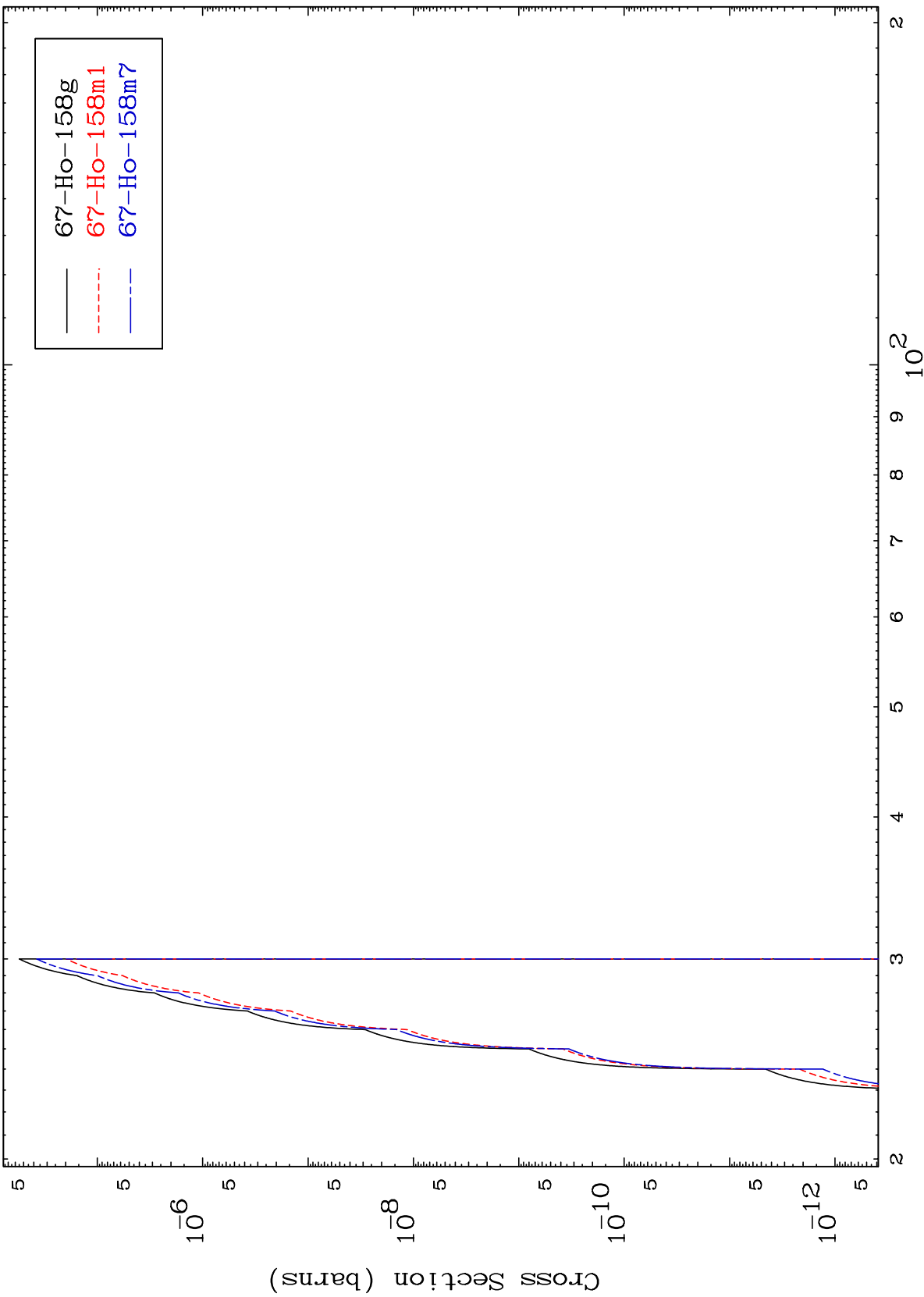
MT= 80 (n,n') Level  
Legendre Coefficients

68-Er-161



138

Radionuclide Production Cross Section

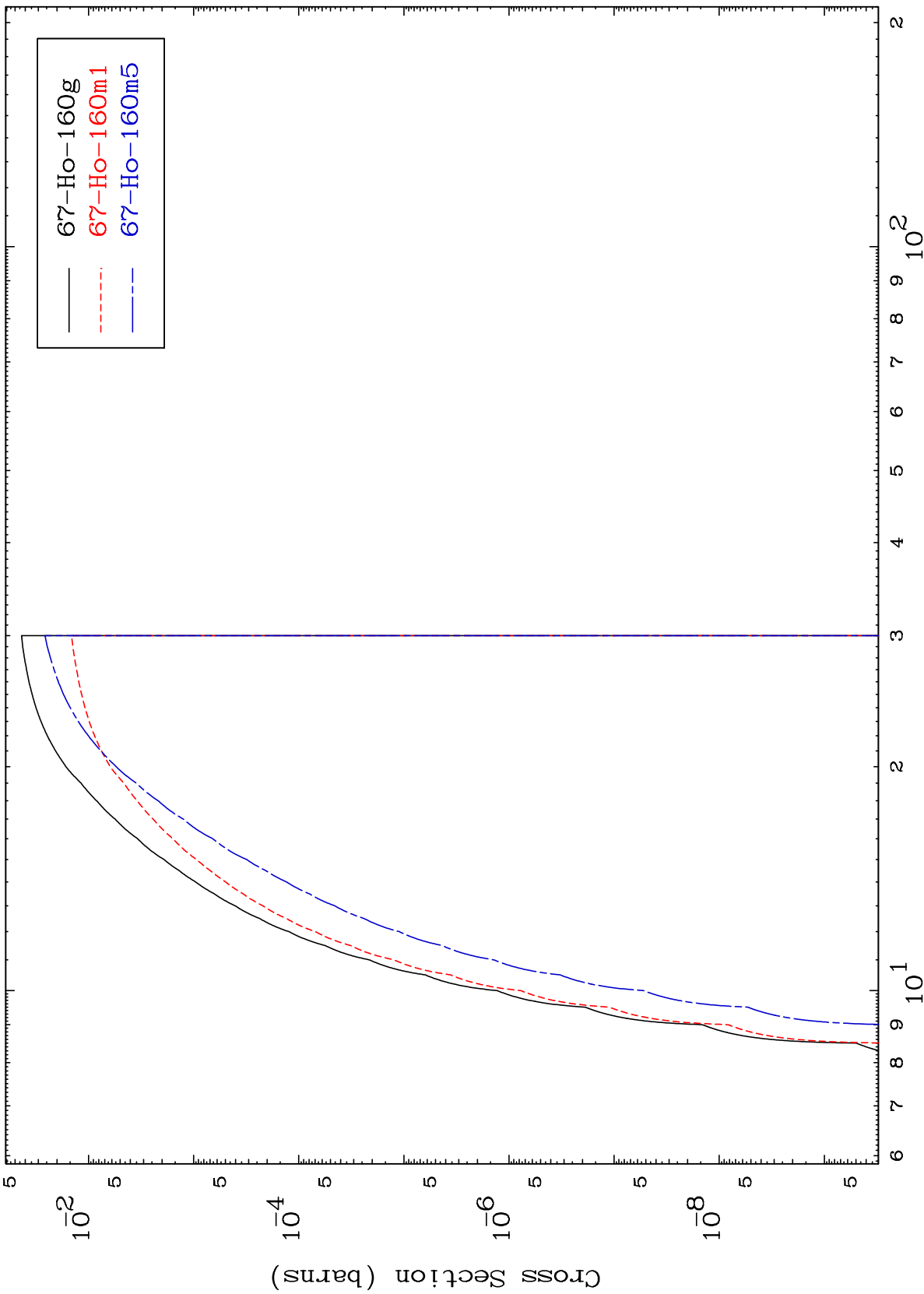


MAT 68222

(n,n') p

68-Er-161

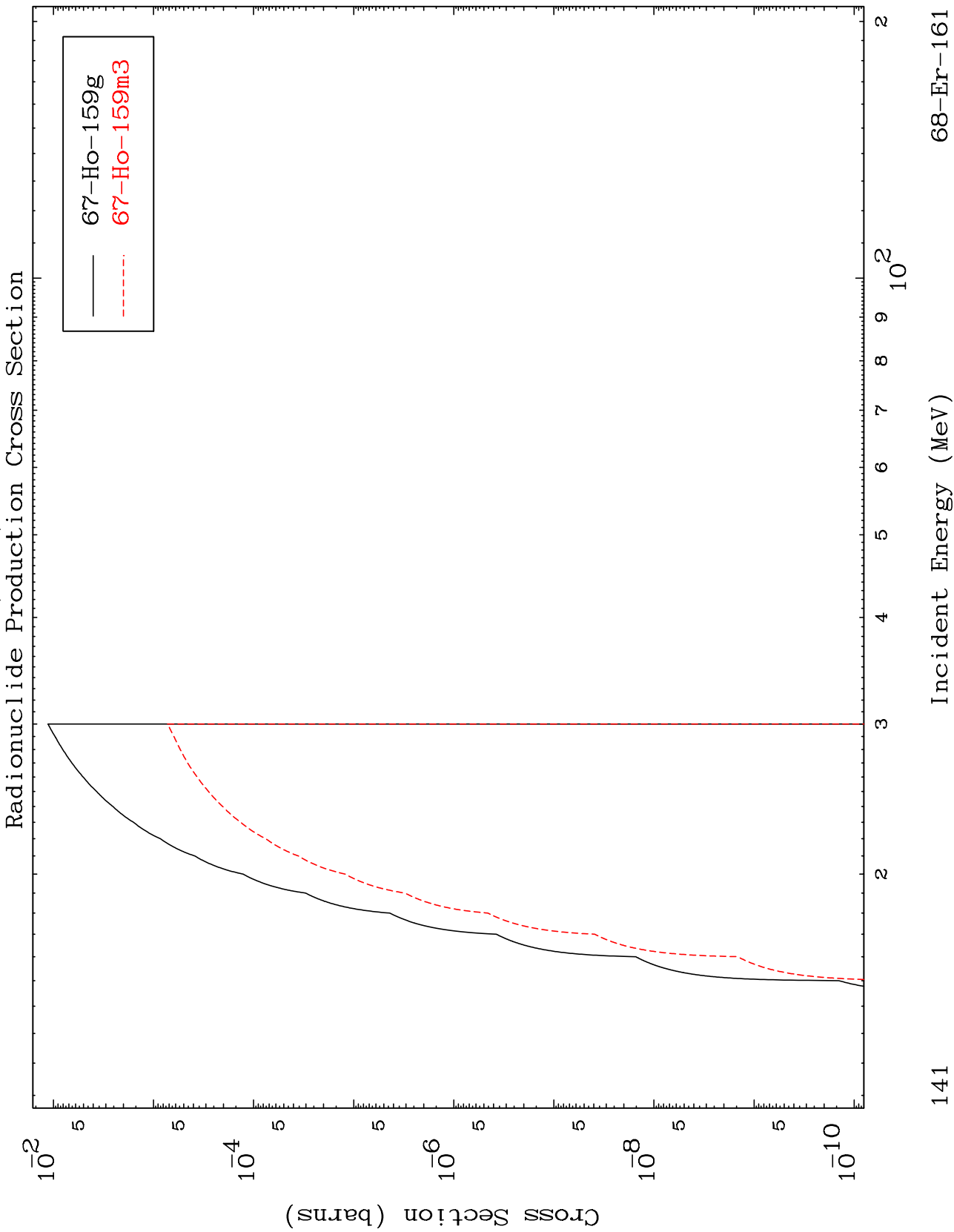
Radionuclide Production Cross Section

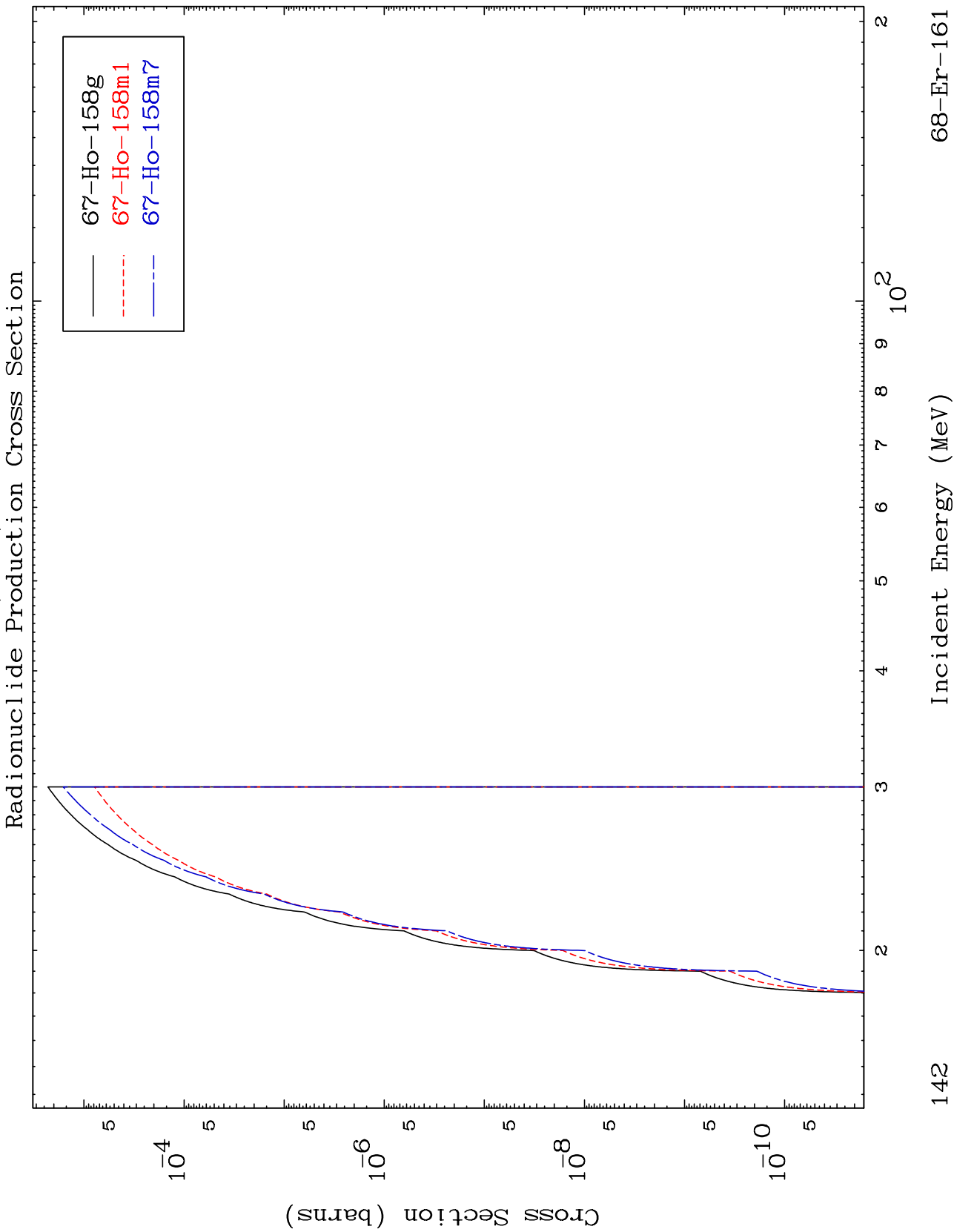


140

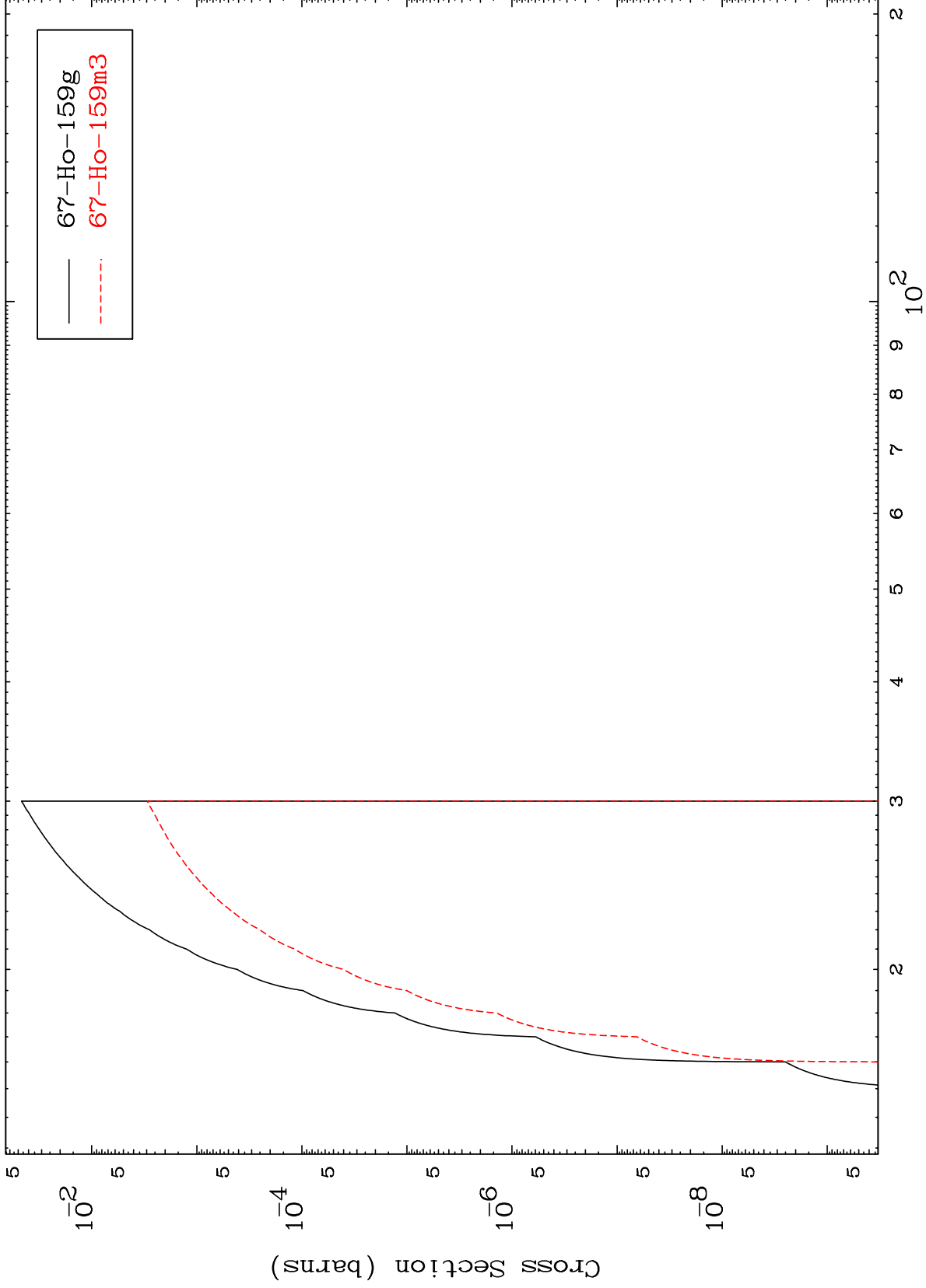
Incident Energy (MeV)

68-Er-161



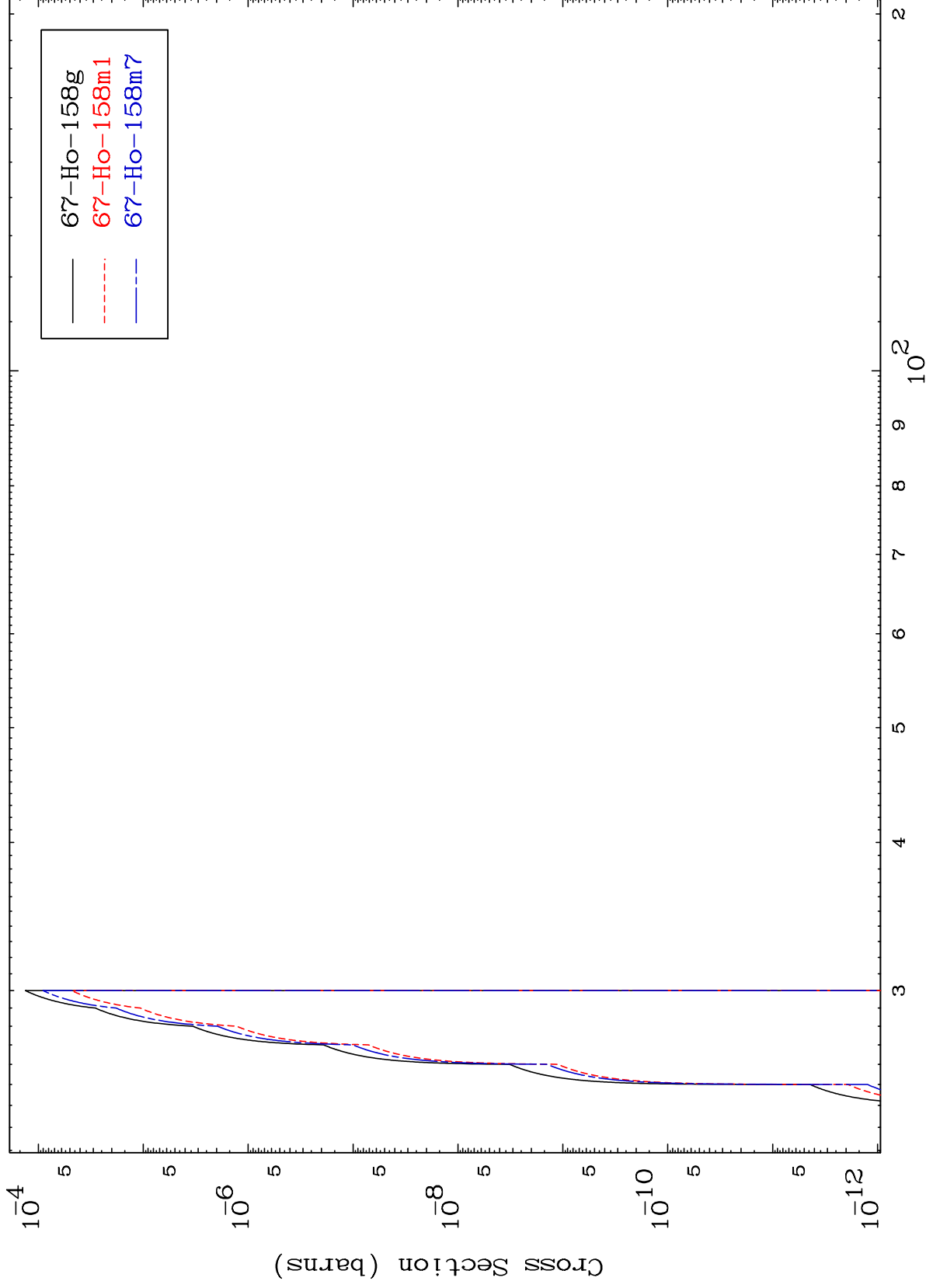


Radionuclide Production Cross Section





Radionuclide Production Cross Section

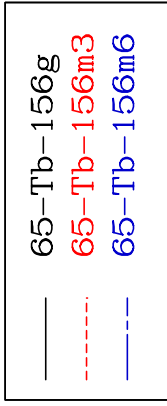
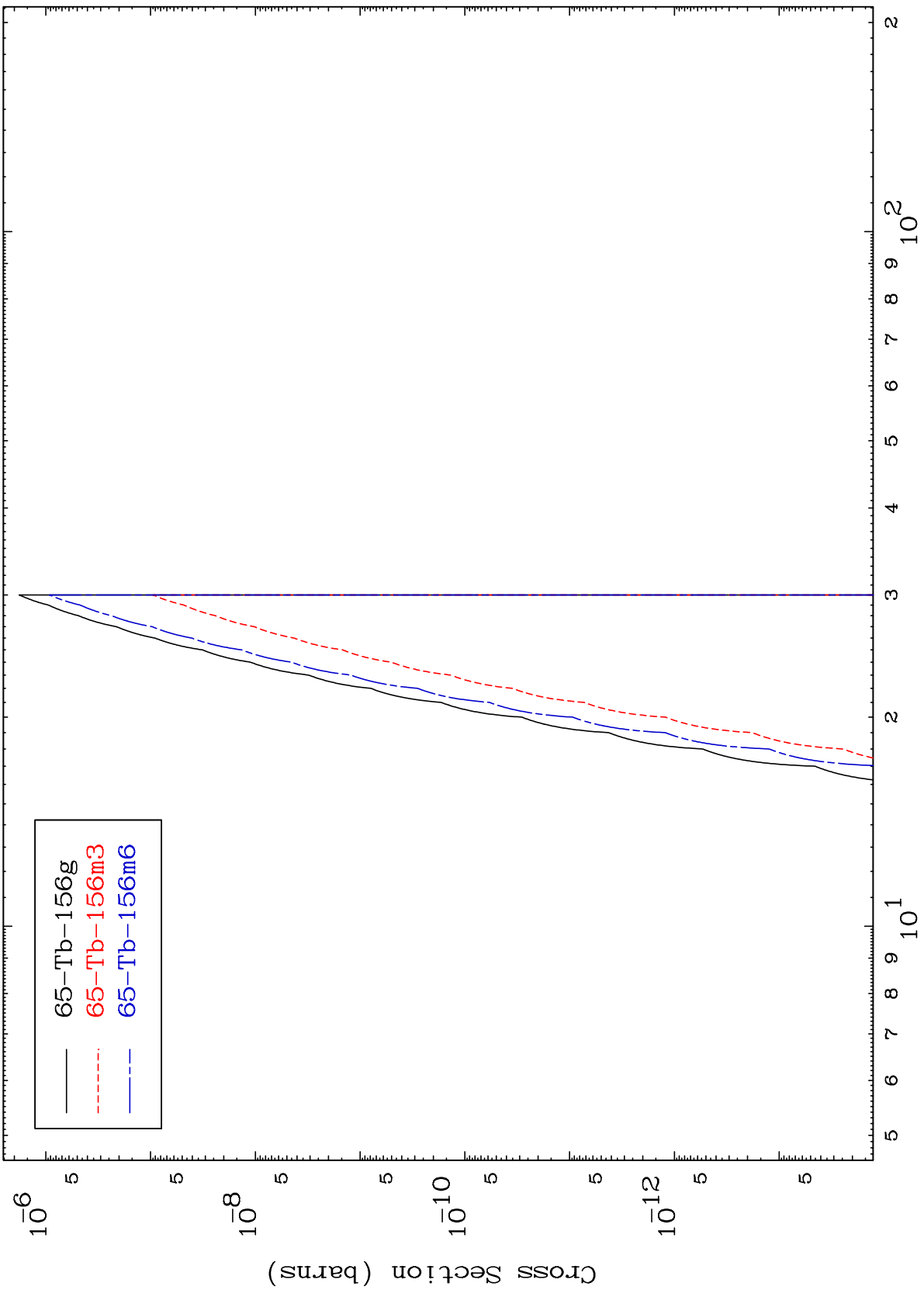


MAT 68222

(n,n') p  $\alpha$

68-Er-161

Radionuclide Production Cross Section



145

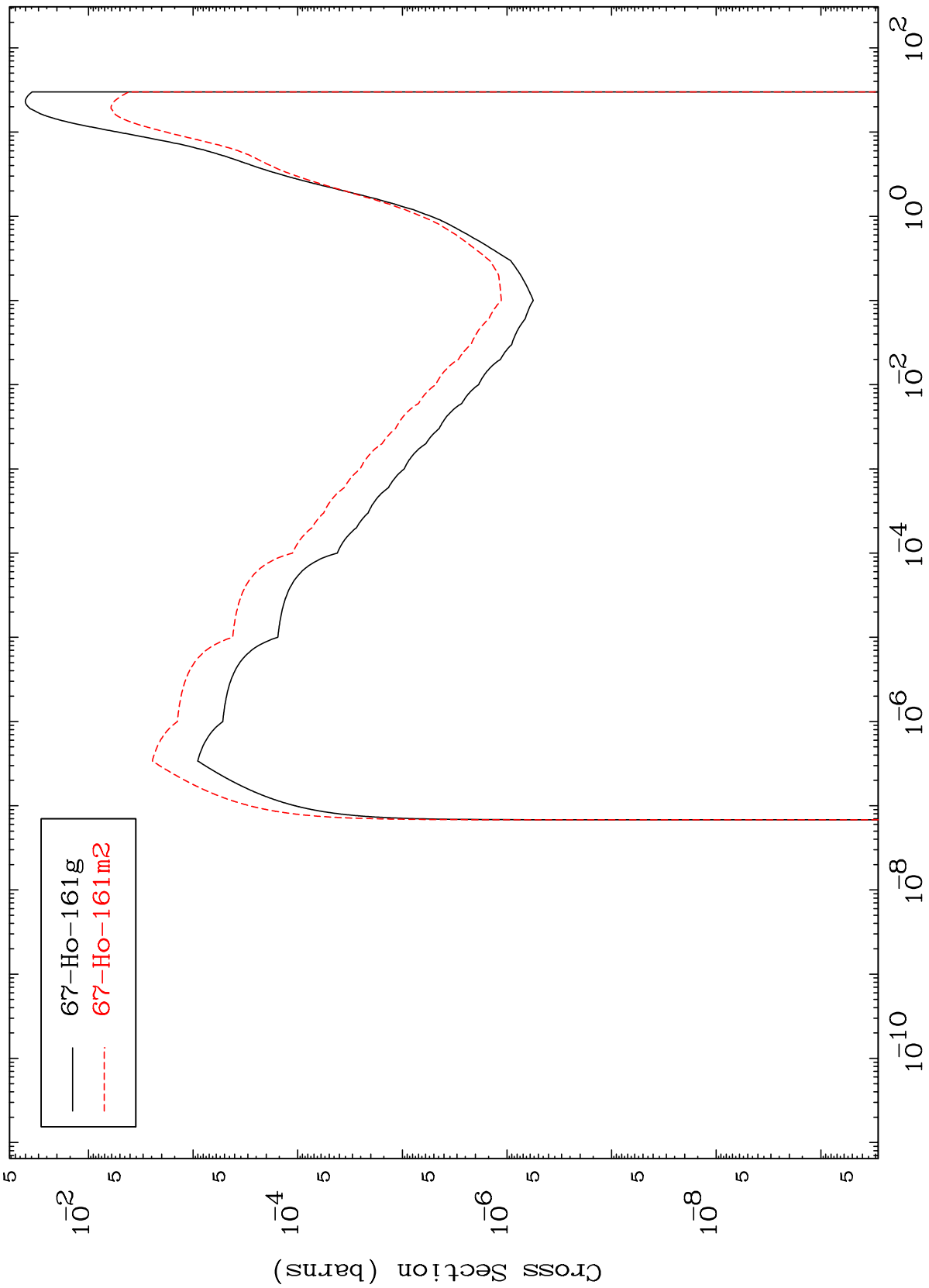
Incident Energy (MeV)

68-Er-161

MAT 6822

68-Er-161

(n,p)  
Radionuclide Production Cross Section



— 67-Ho-161g  
- - - 67-Ho-161m2

146

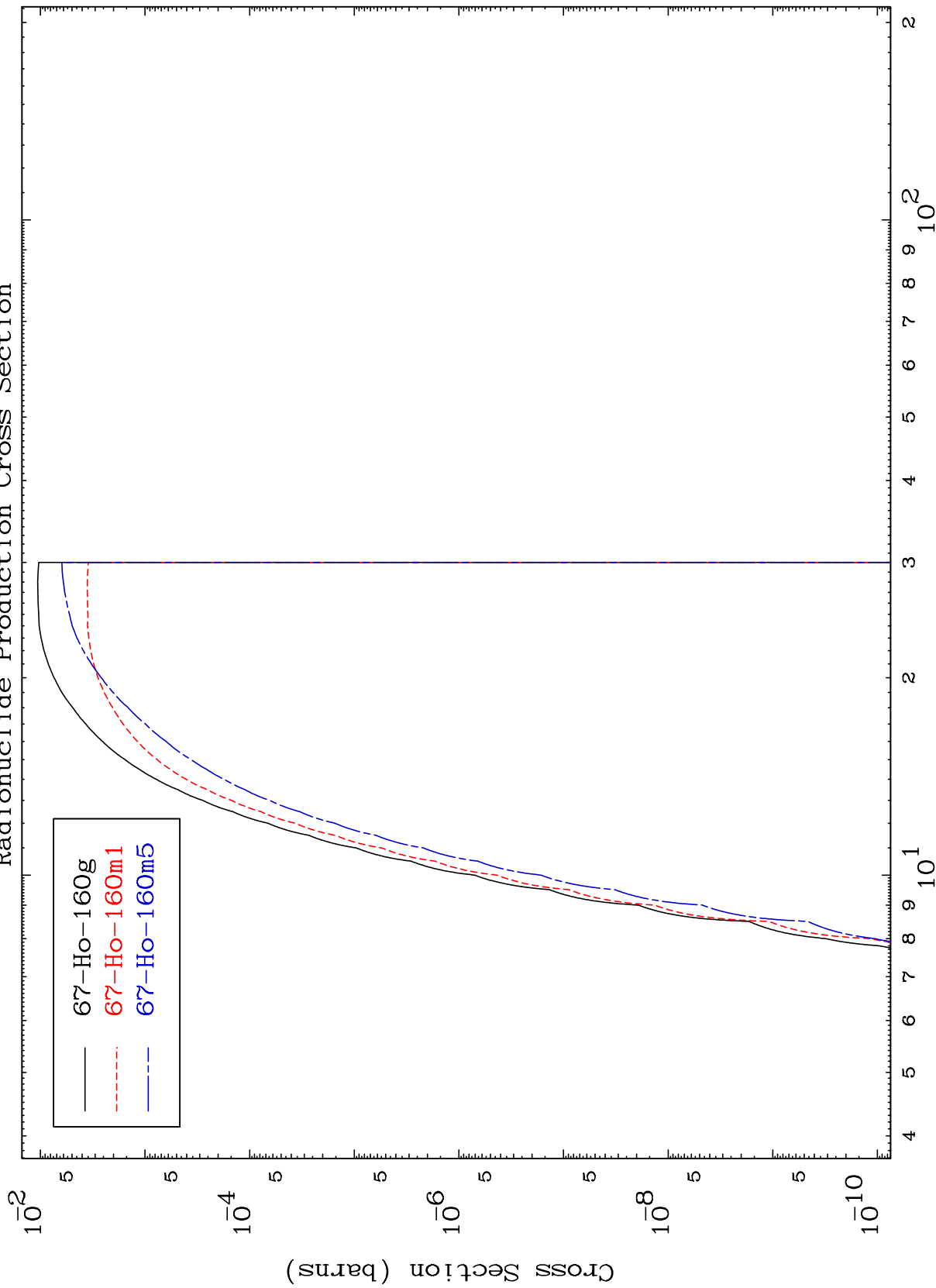
68-Er-161

MAT 68222

(n,d)

68-Er-161

Radionuclide Production Cross Section



147

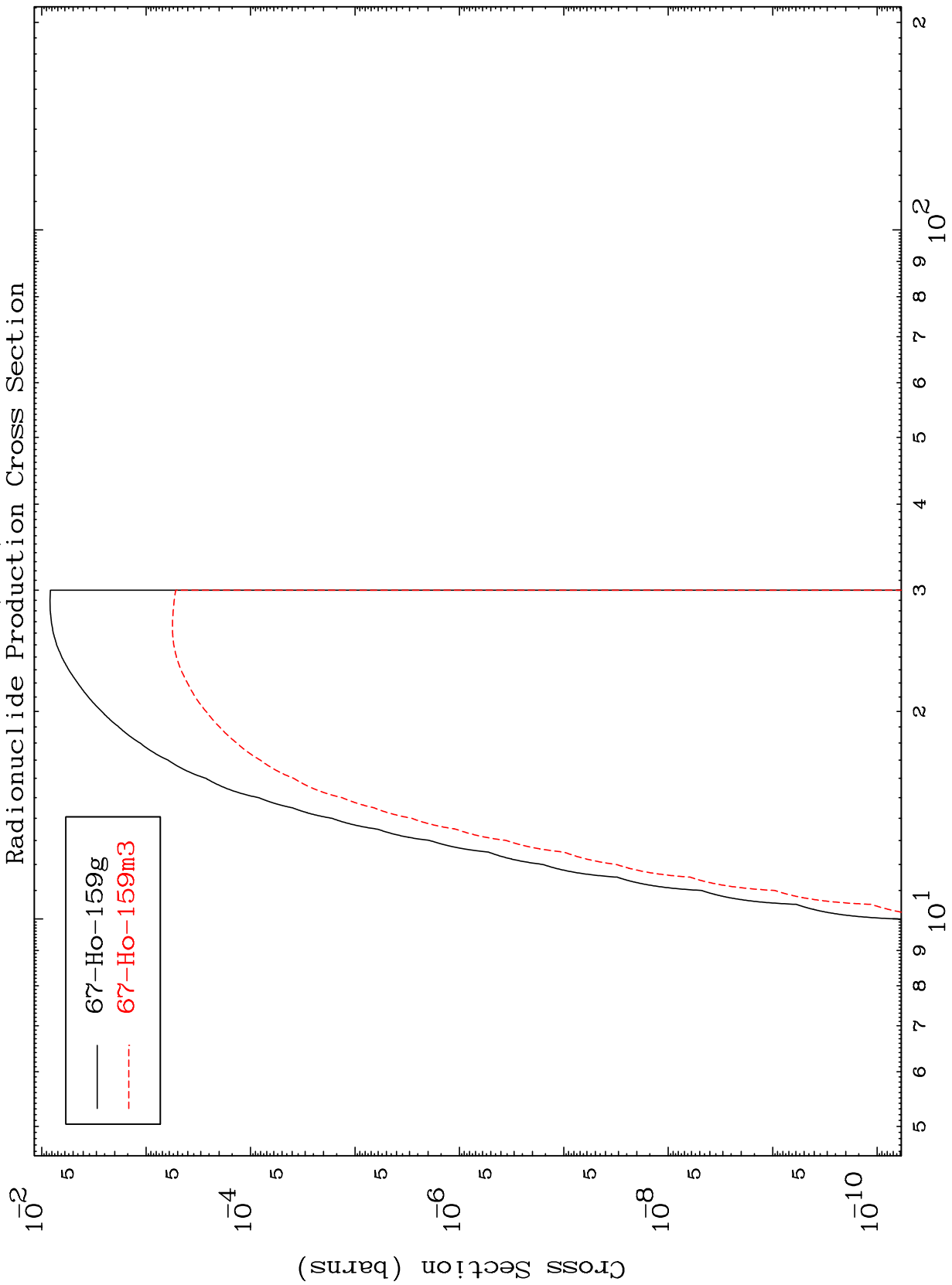
Incident Energy (MeV)

68-Er-161

MAT 68222

68-Er-161

Radionuclide Production Cross Section (n,t)



67-Ho-159g  
67-Ho-159m3

68-Er-161

Incident Energy (MeV)

148

Radionuclide Production Cross Section

