

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

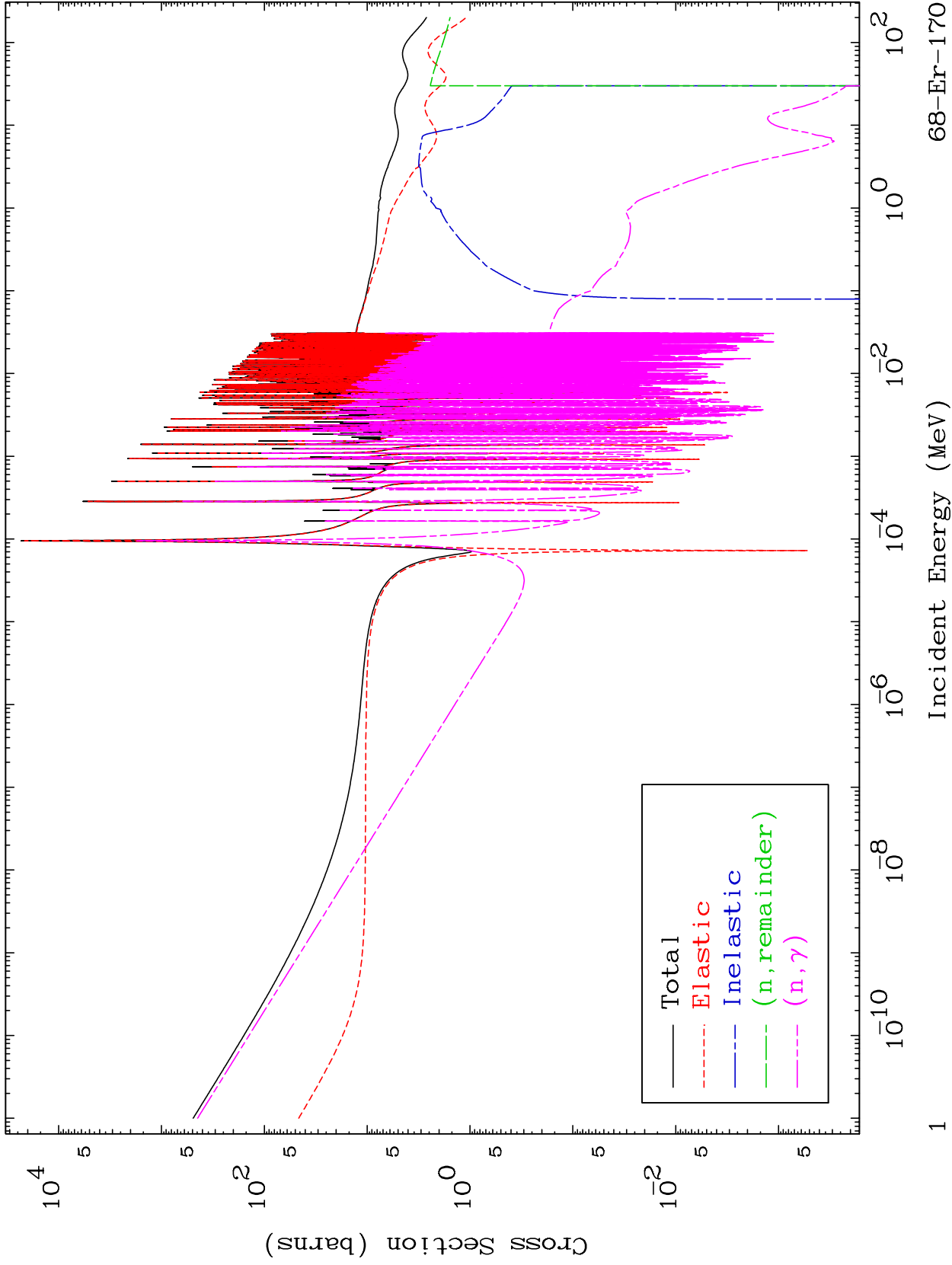
Press Mouse Button to Start

MAT 6849

Major

293 Kelvin Cross Sections

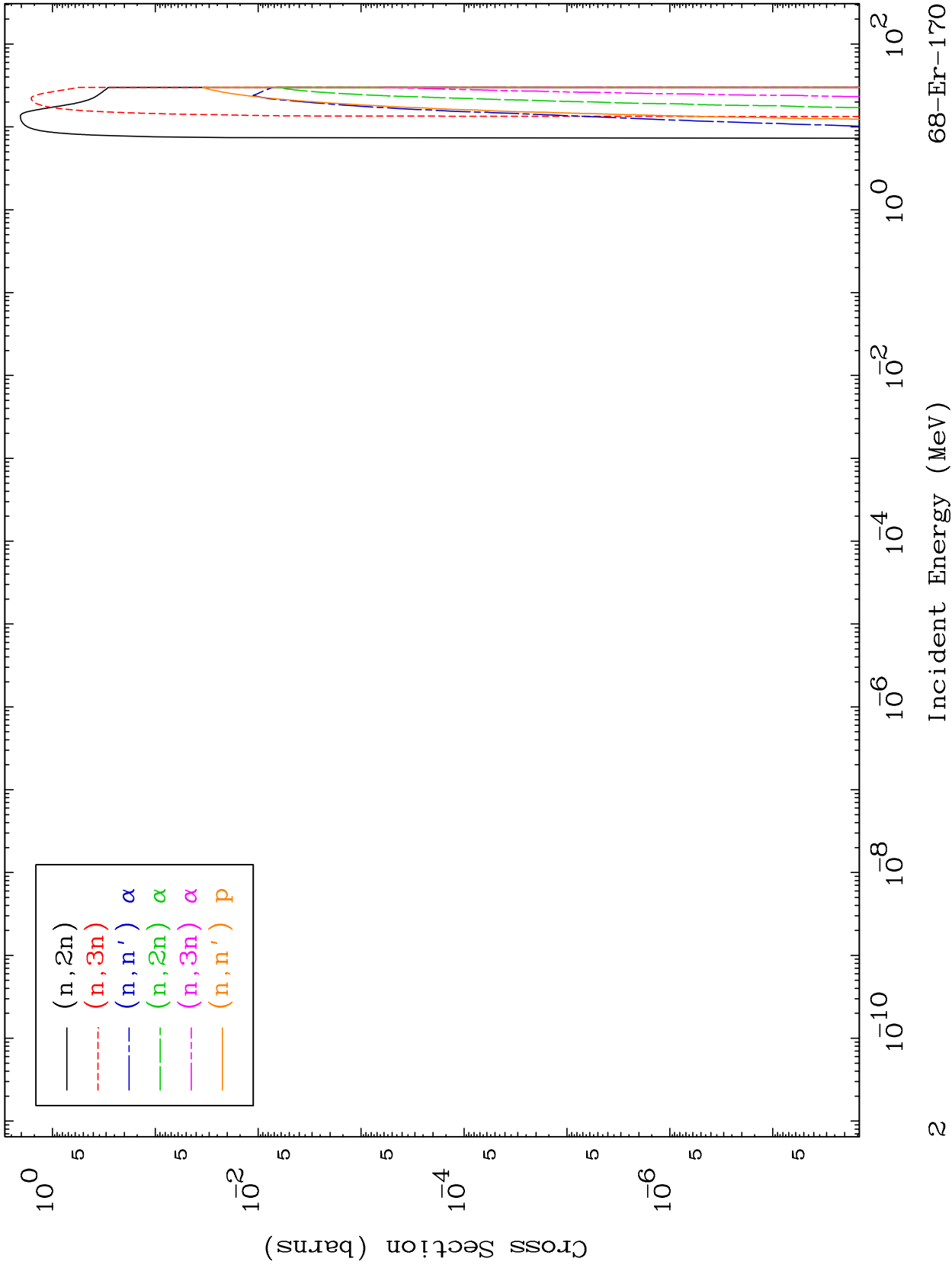
68-Er-170

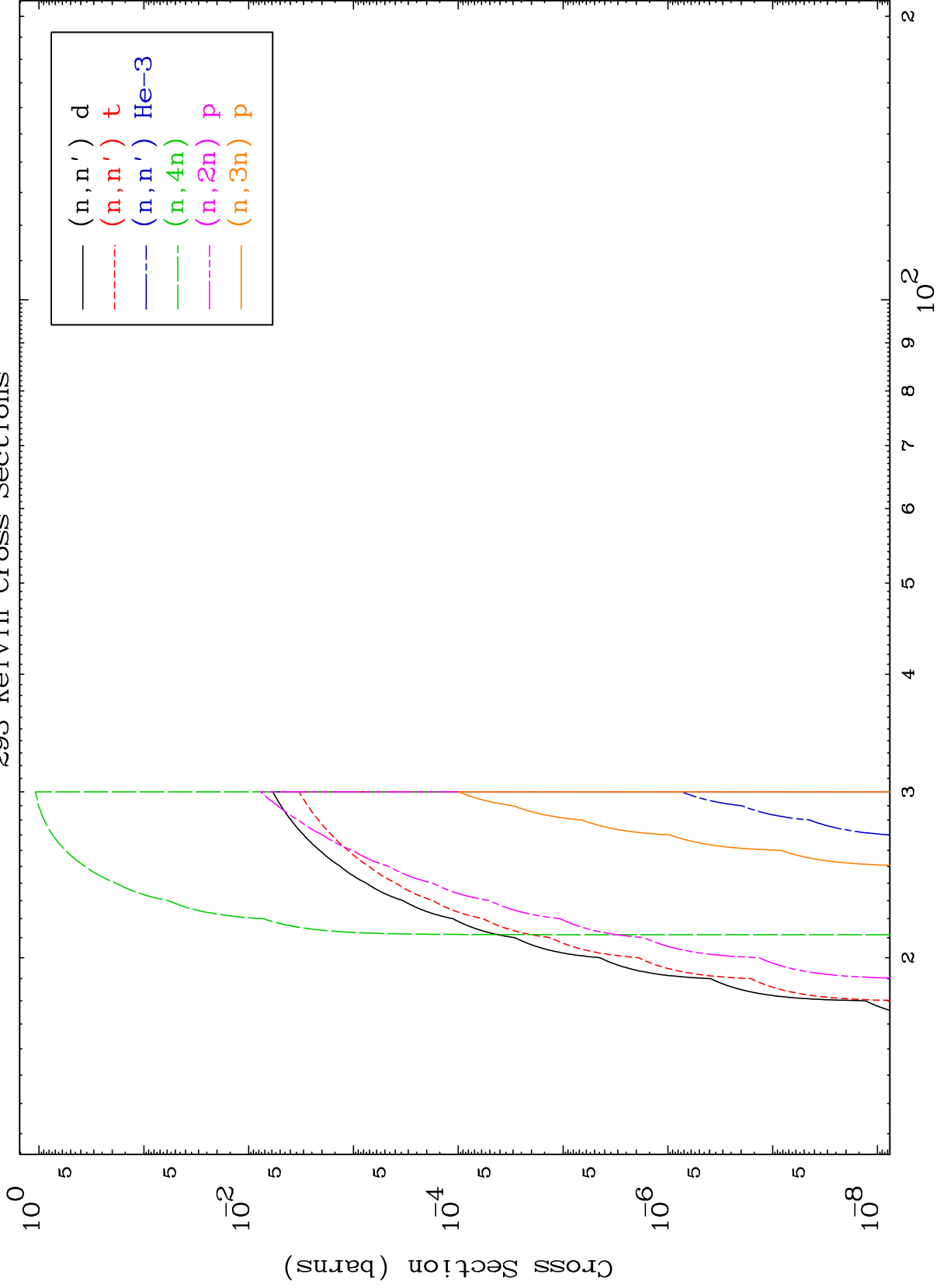


MAT 6849

Neutron Production  
293 Kelvin Cross Sections

68-Er-170

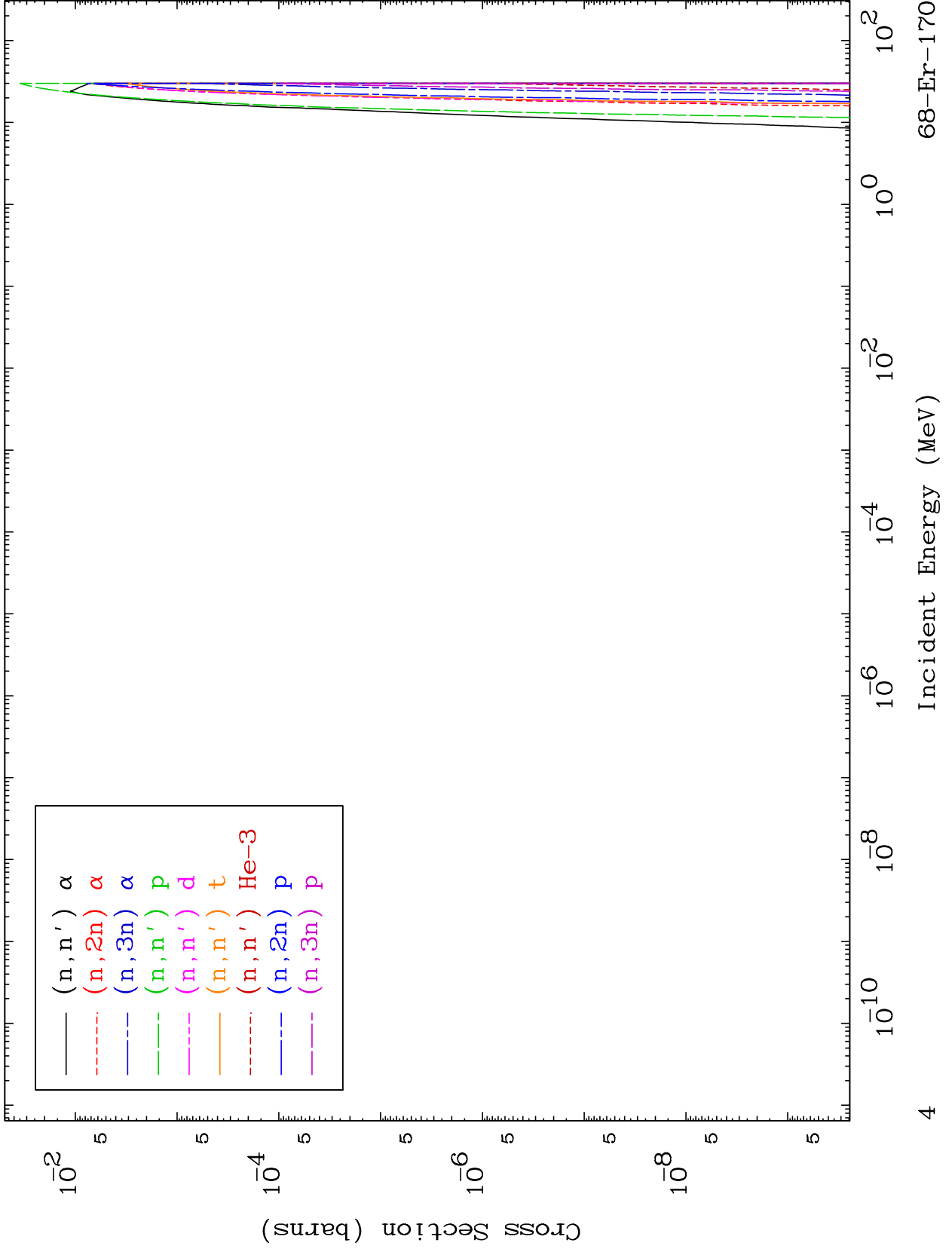




MAT 6849

Charged Particle  
293 Kelvin Cross Sections

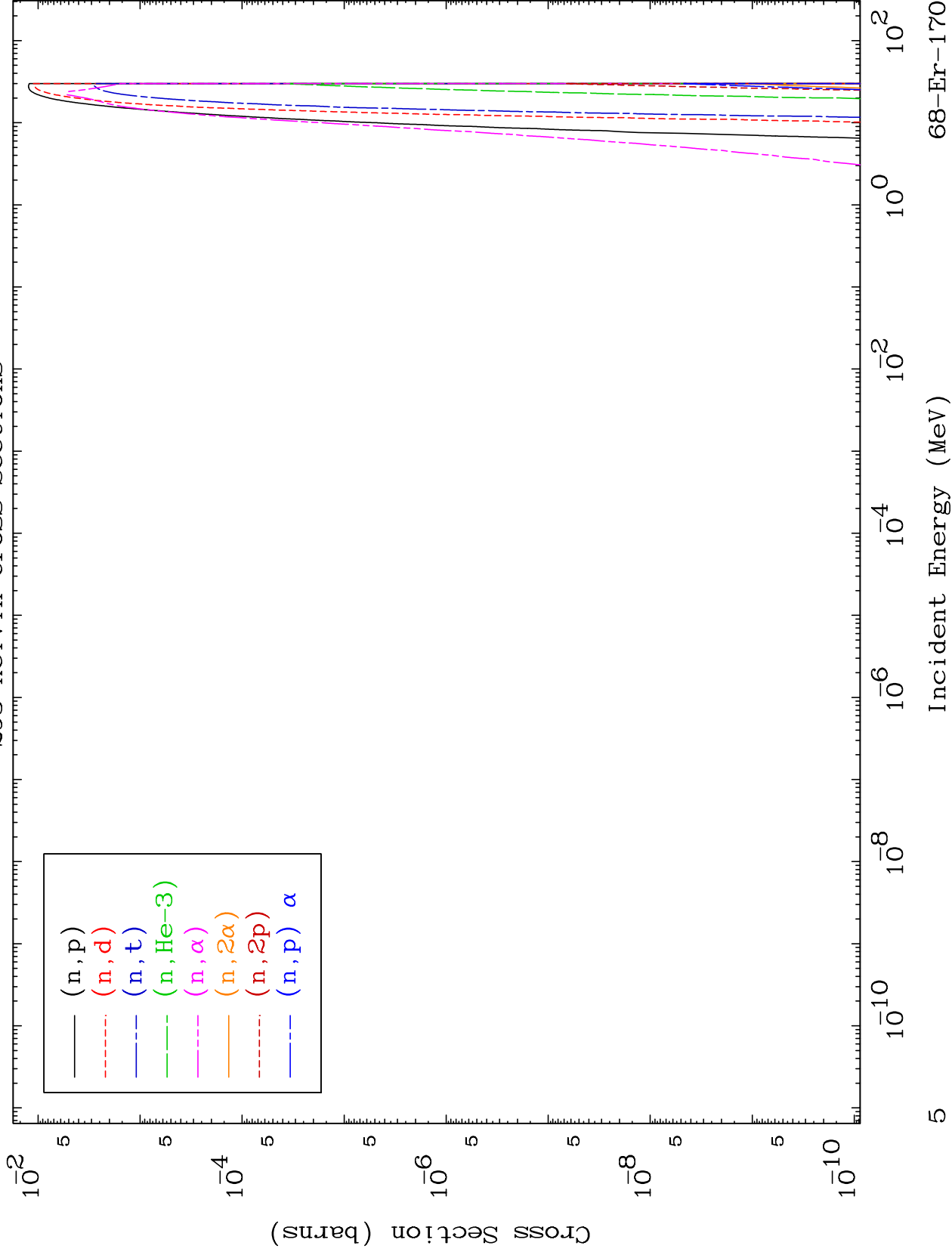
68-Er-170



MAT 6849

Charged Particle  
293 Kelvin Cross Sections

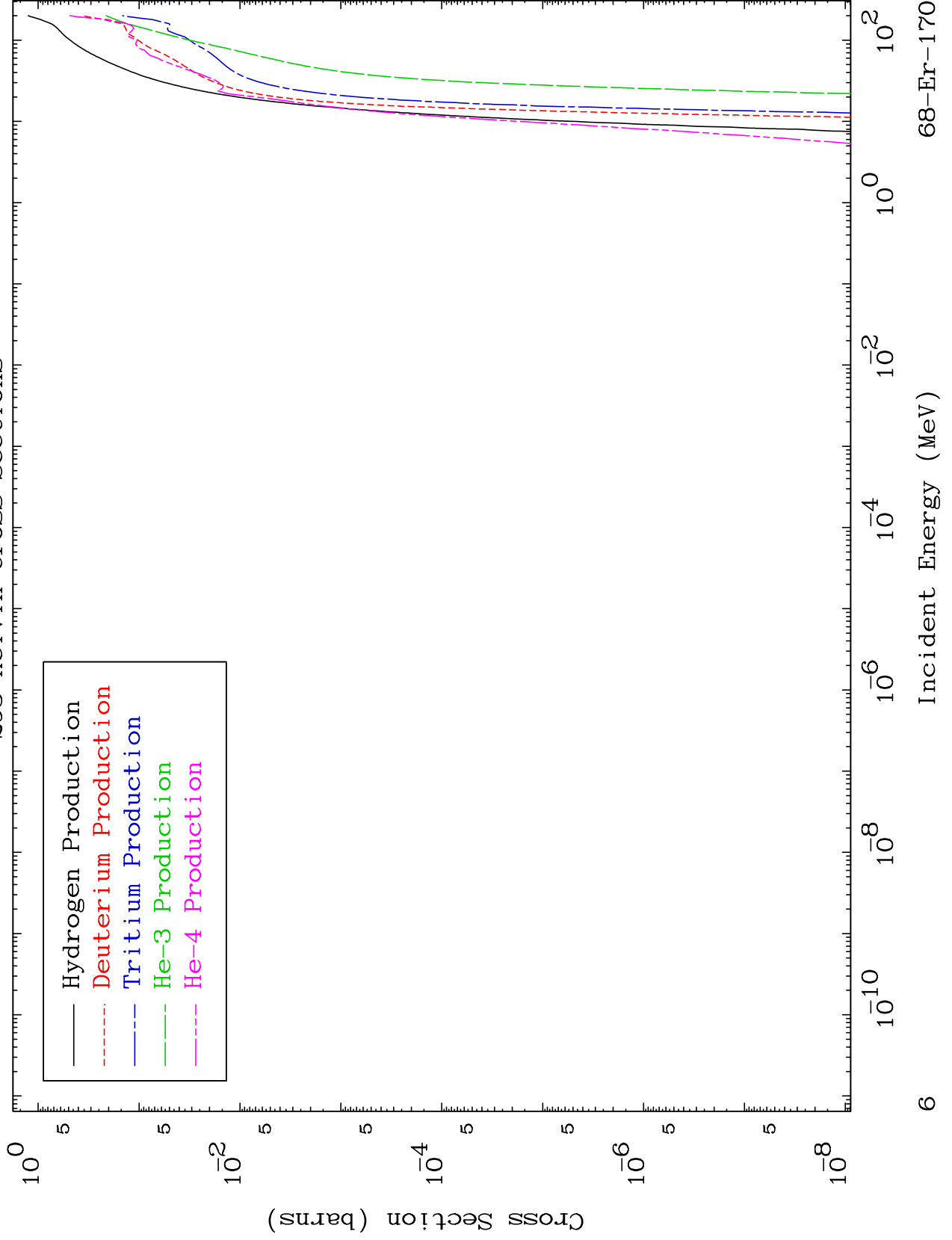
68-Er-170



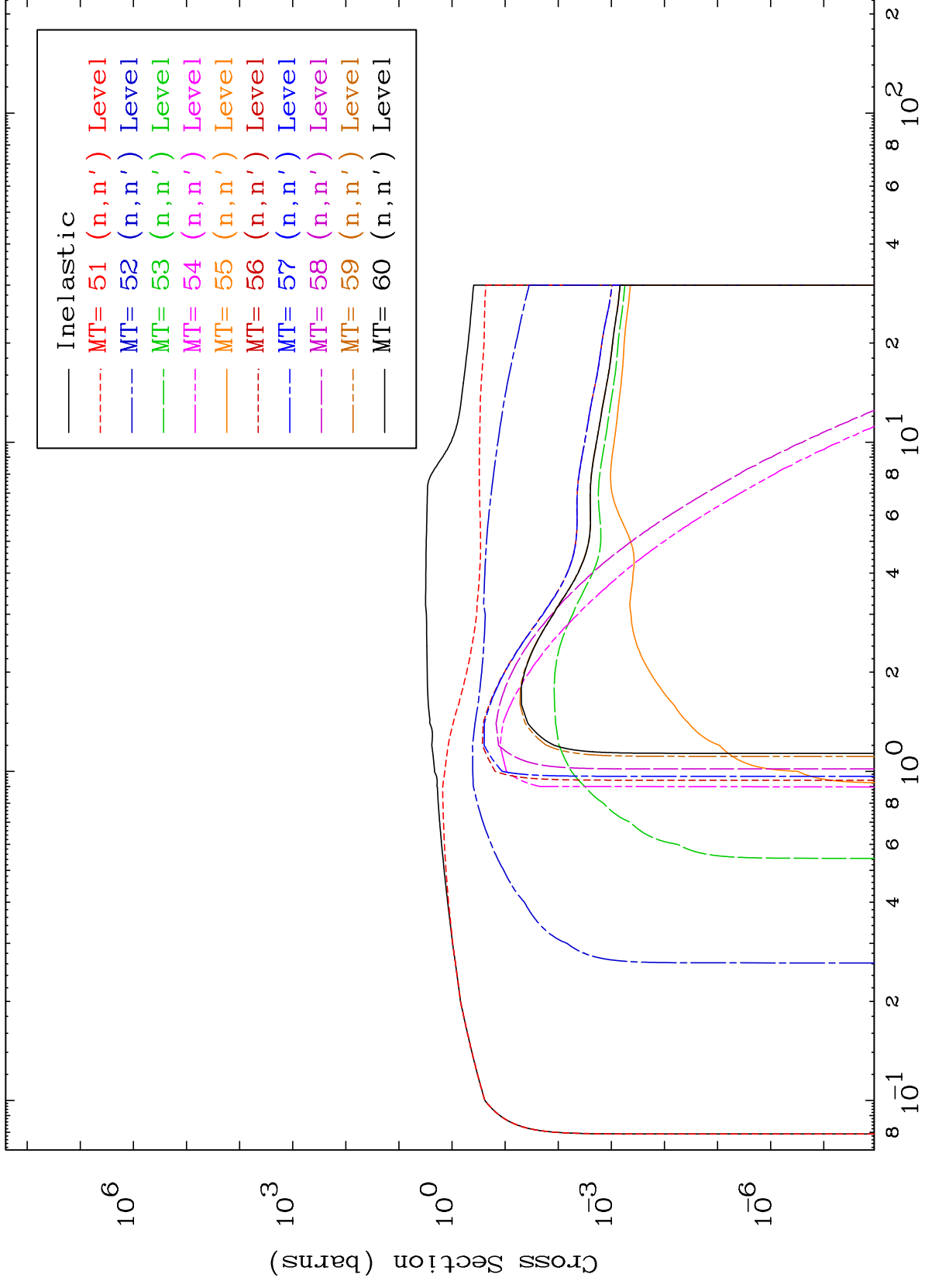
MAT 6849

Particle Production  
293 Kelvin Cross Sections

68-Er-170



293 Kelvin Cross Sections



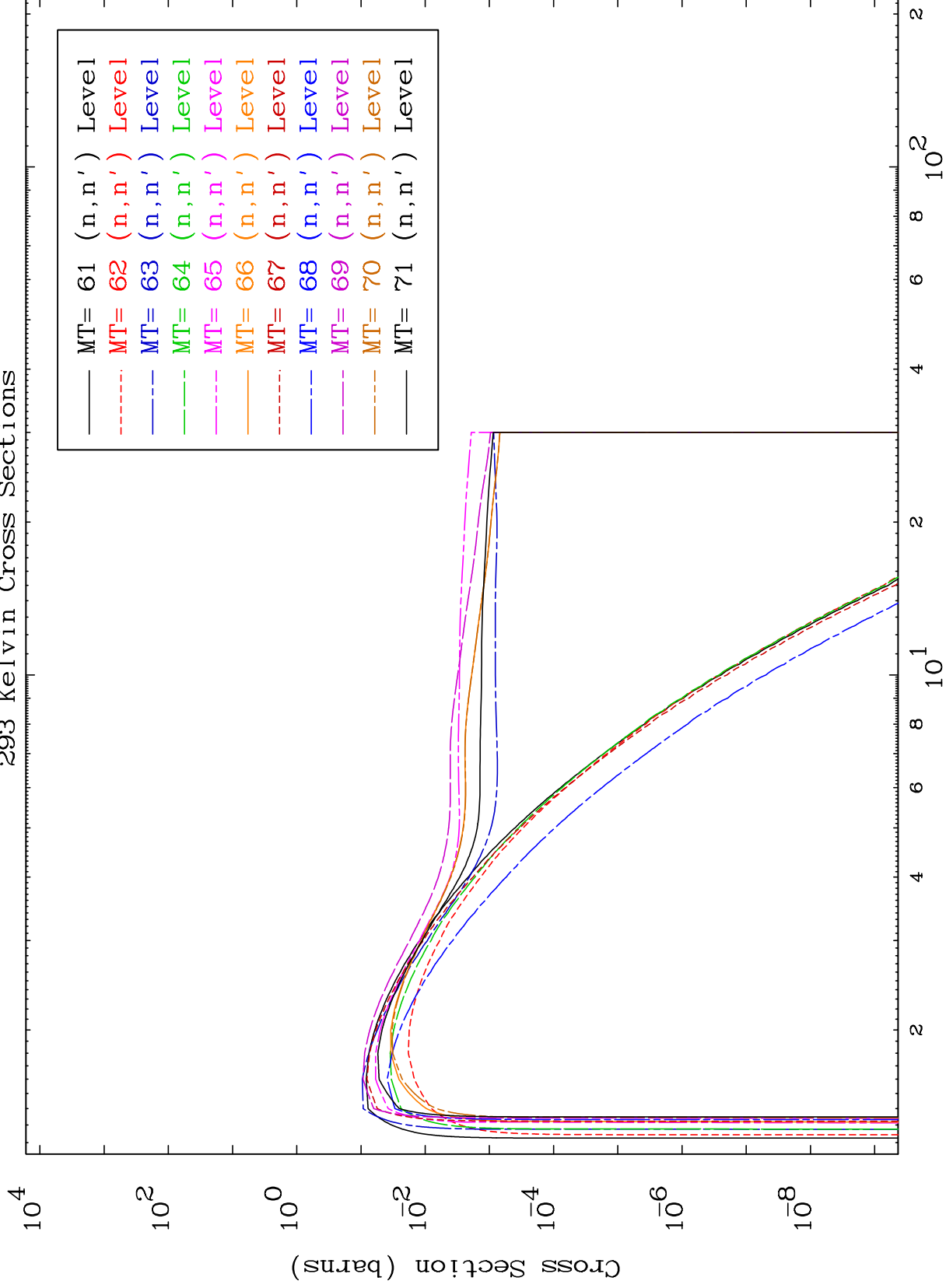


MAT 6849

(n,n') Level

68-Er-170

293 Kelvin Cross Sections

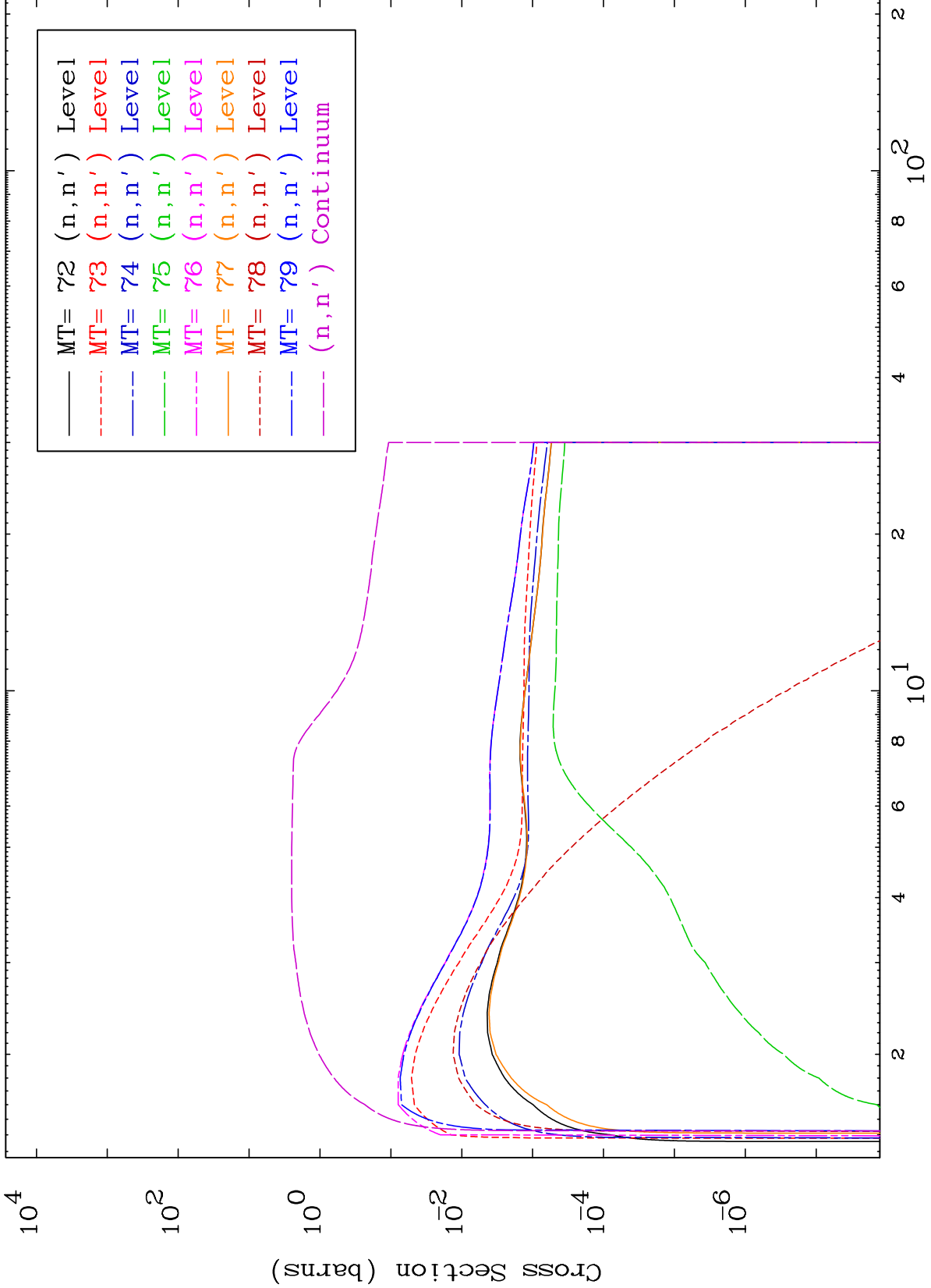


8

Incident Energy (MeV)

68-Er-170

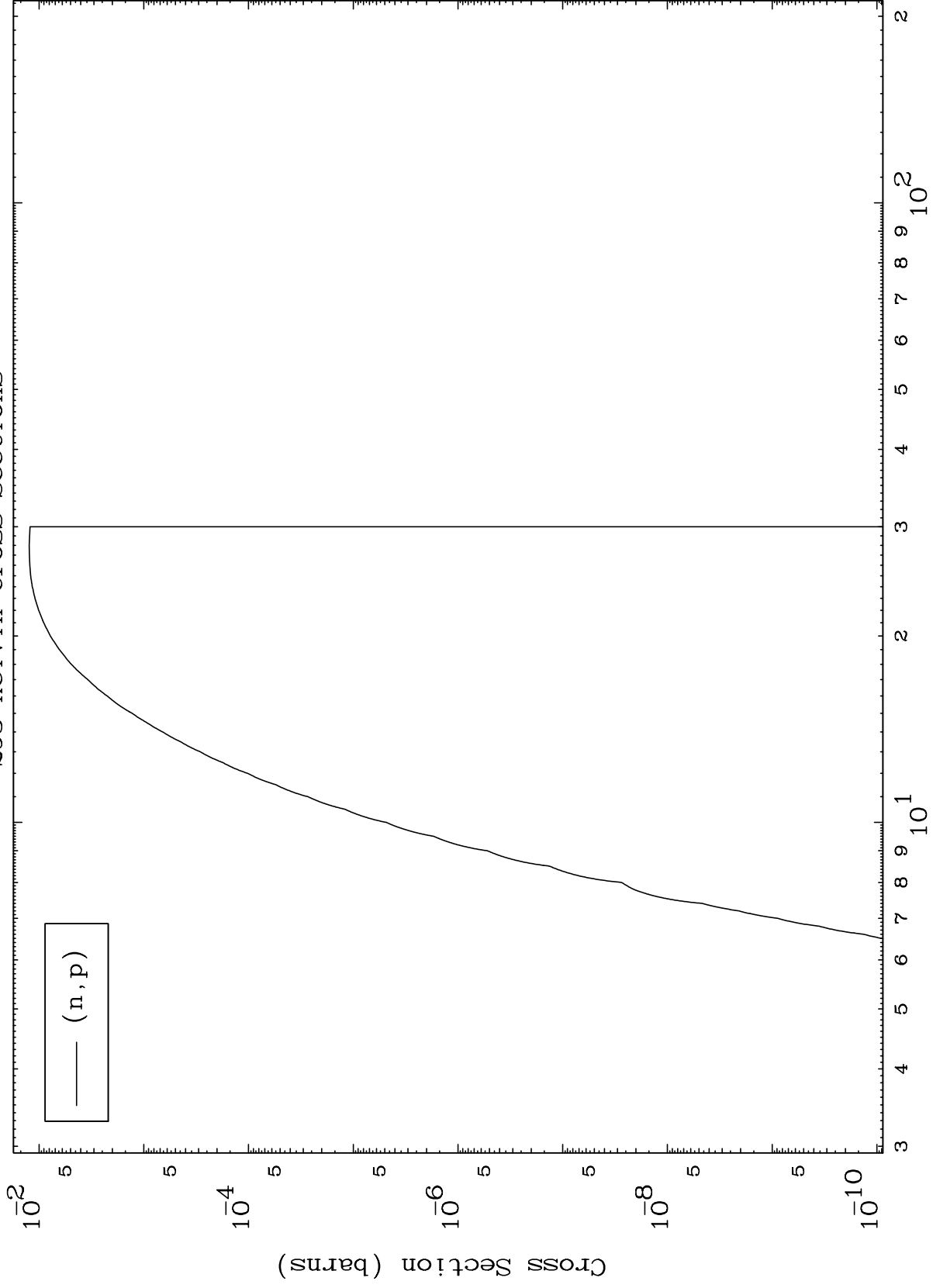
293 Kelvin Cross Sections



MAT 6849

(n,p) Levels  
293 Kelvin Cross Sections

68-Er-170



10

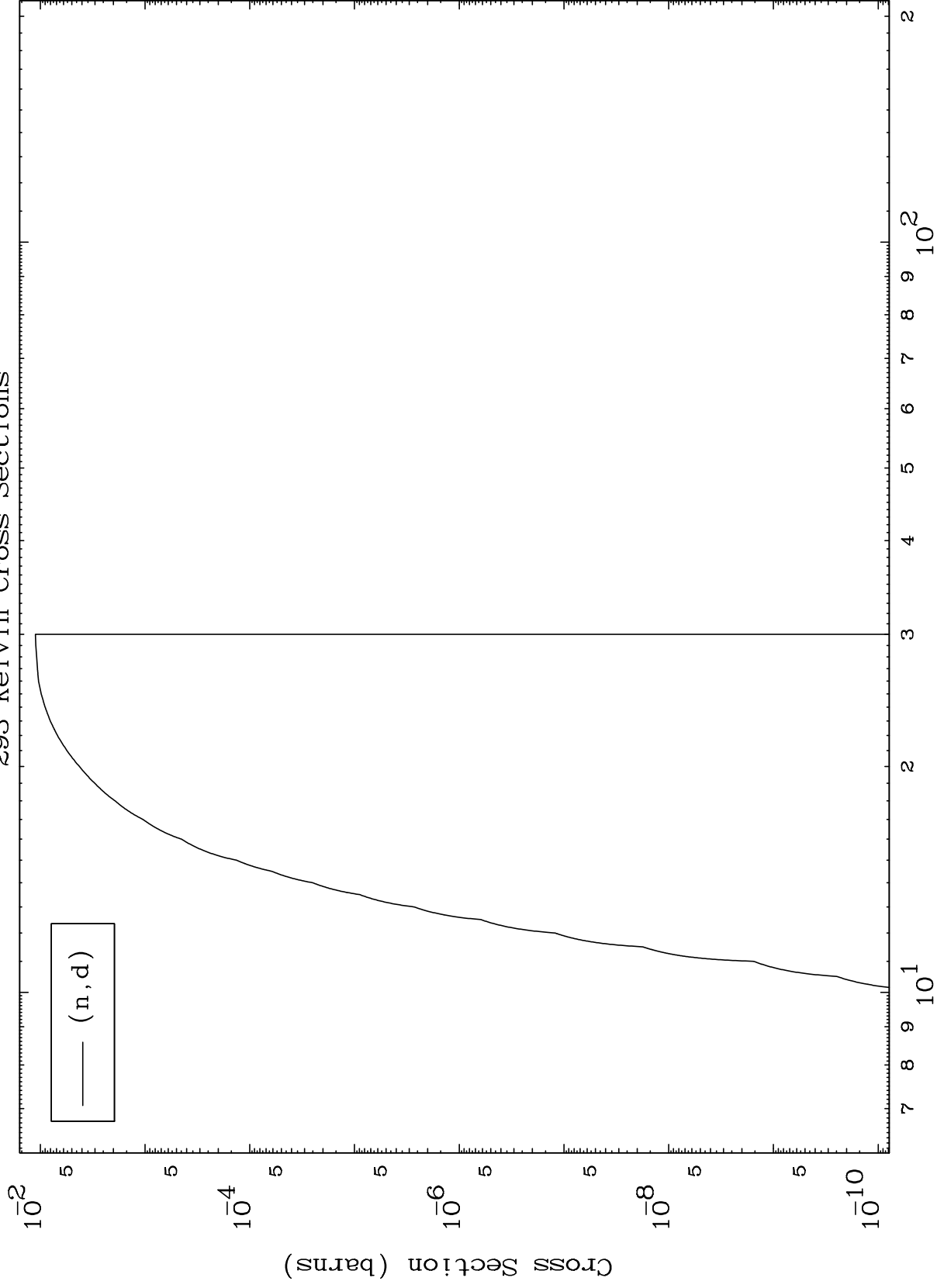
Incident Energy (MeV)

68-Er-170

MAT 6849

(n,d) Levels  
293 Kelvin Cross Sections

68-Er-170



11

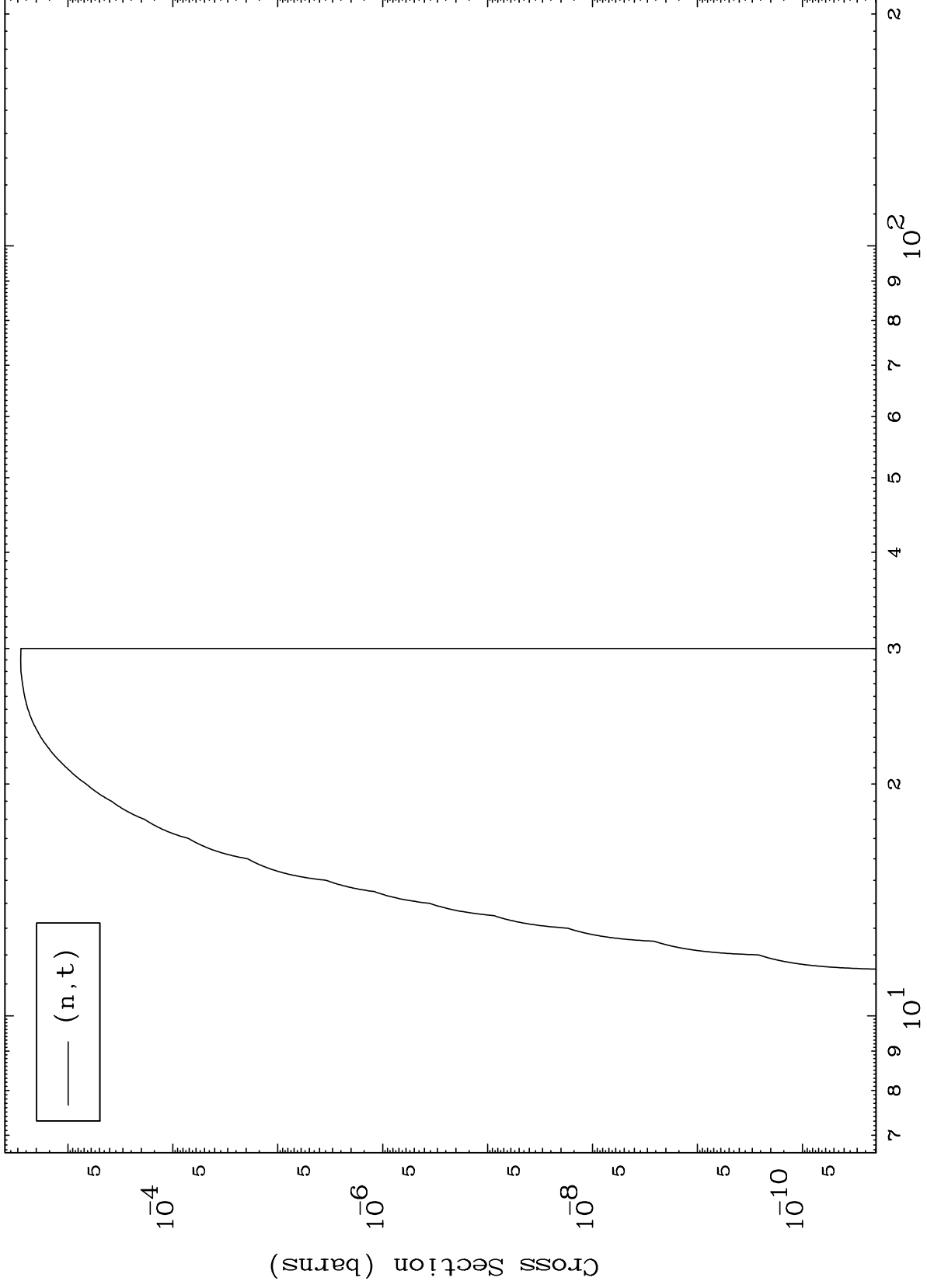
Incident Energy (MeV)

68-Er-170

MAT 6849

(n,t) Levels  
293 Kelvin Cross Sections

68-Er-170



12

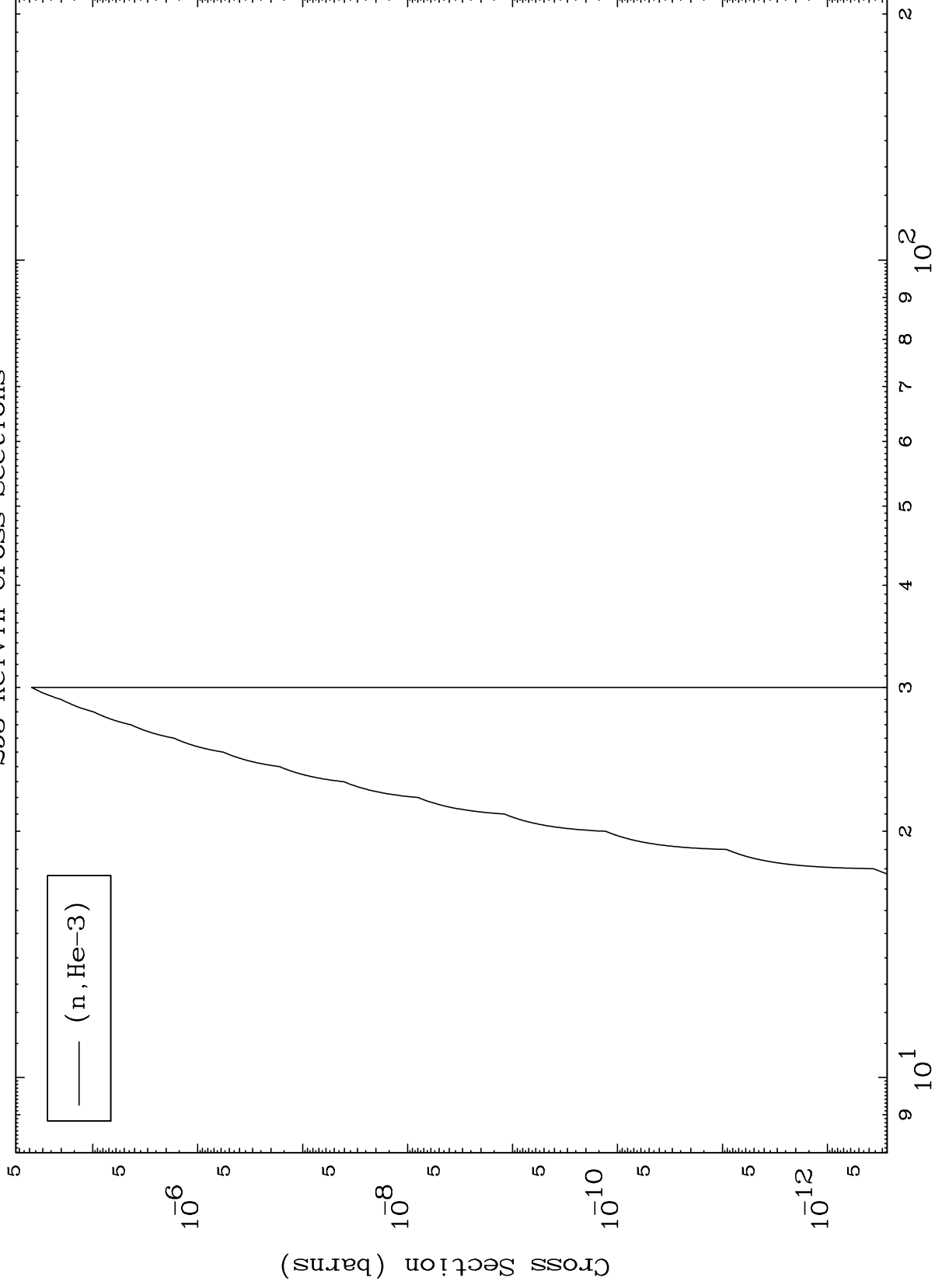
Incident Energy (MeV)

68-Er-170

MAT 6849

(n,He3) Levels  
293 Kelvin Cross Sections

68-Er-170



13

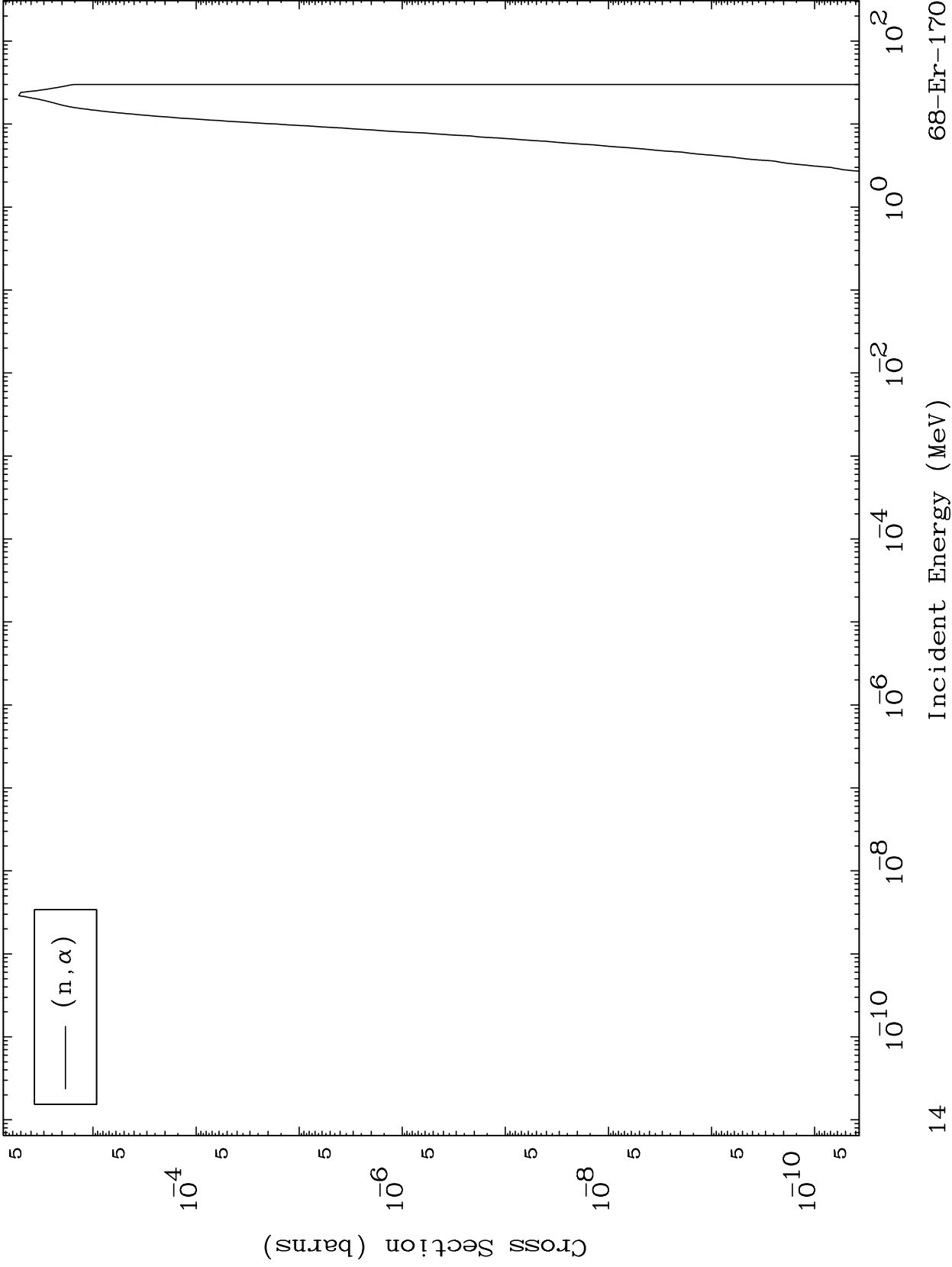
Incident Energy (MeV)

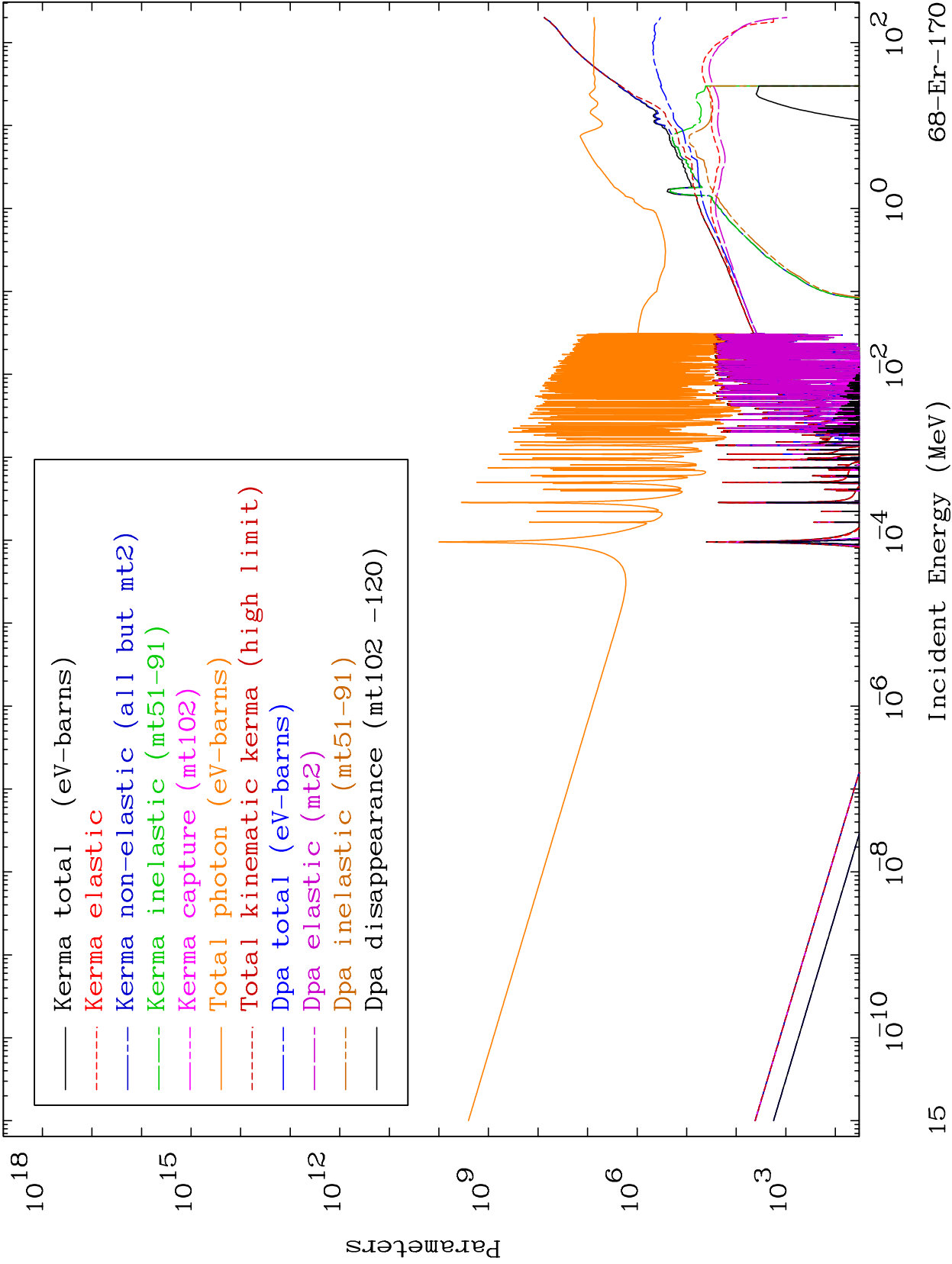
68-Er-170

MAT 6849

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

68-Er-170



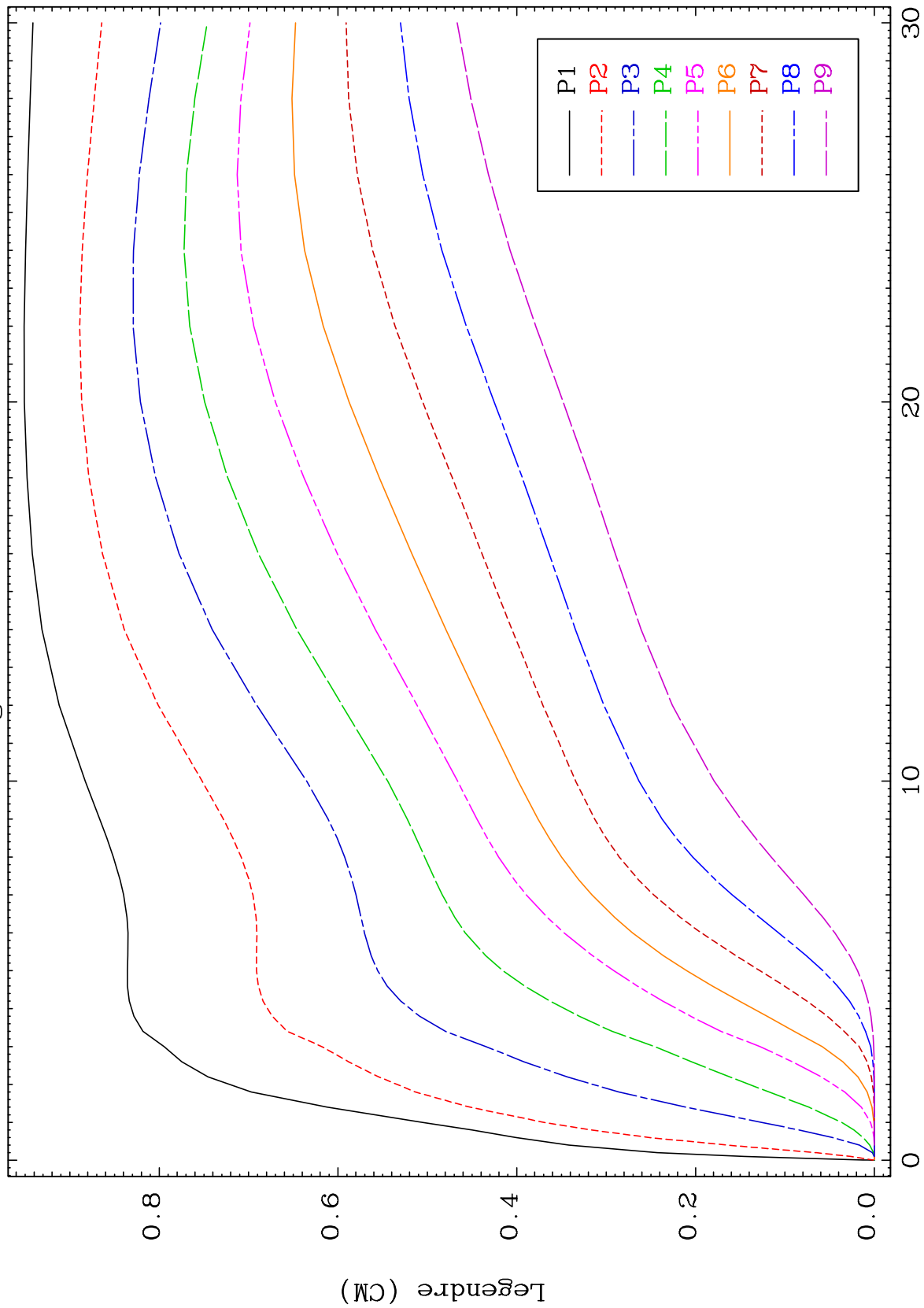




MAT 6849

Elastic Legendre Coefficients

68-Er-170



16

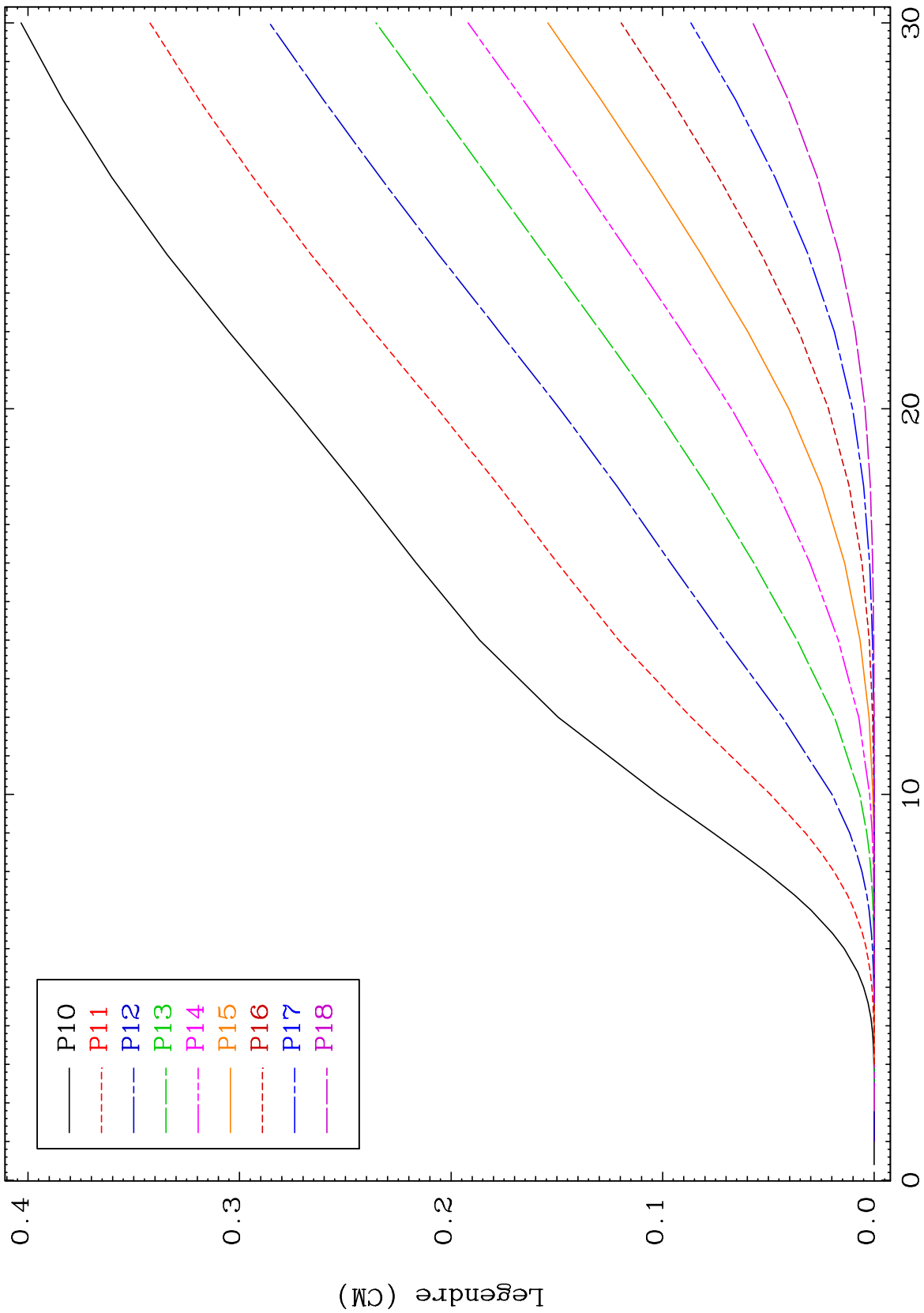
Incident Energy (MeV)

68-Er-170

MAT 6849

Elastic Legendre Coefficients

68-Er-170



17

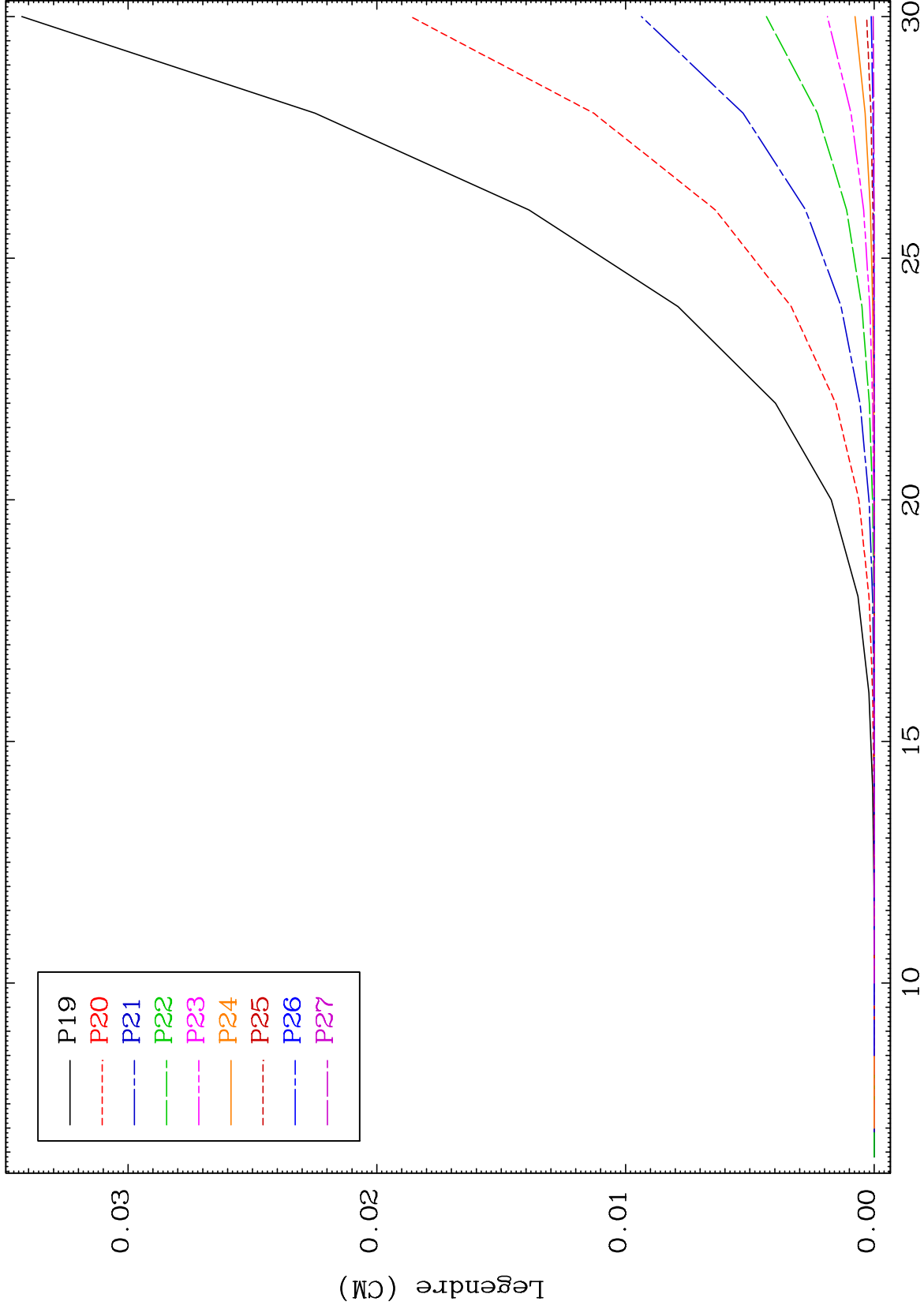
Incident Energy (MeV)

68-Er-170

MAT 6849

Elastic  
Legendre Coefficients

68-Er-170



18

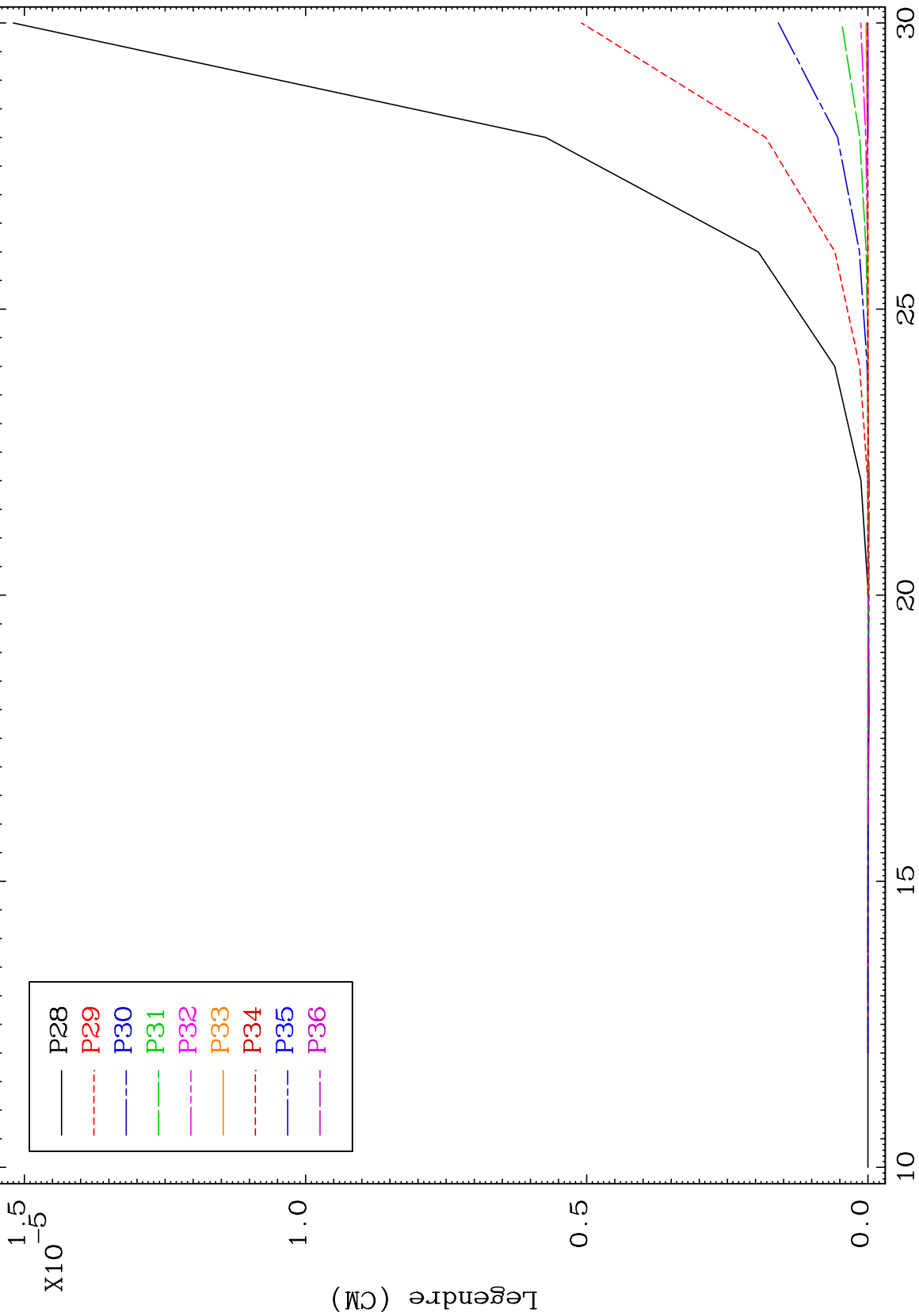
Incident Energy (MeV)

68-Er-170

MAT 6849

Elastic  
Legendre Coefficients

68-Er-170



19

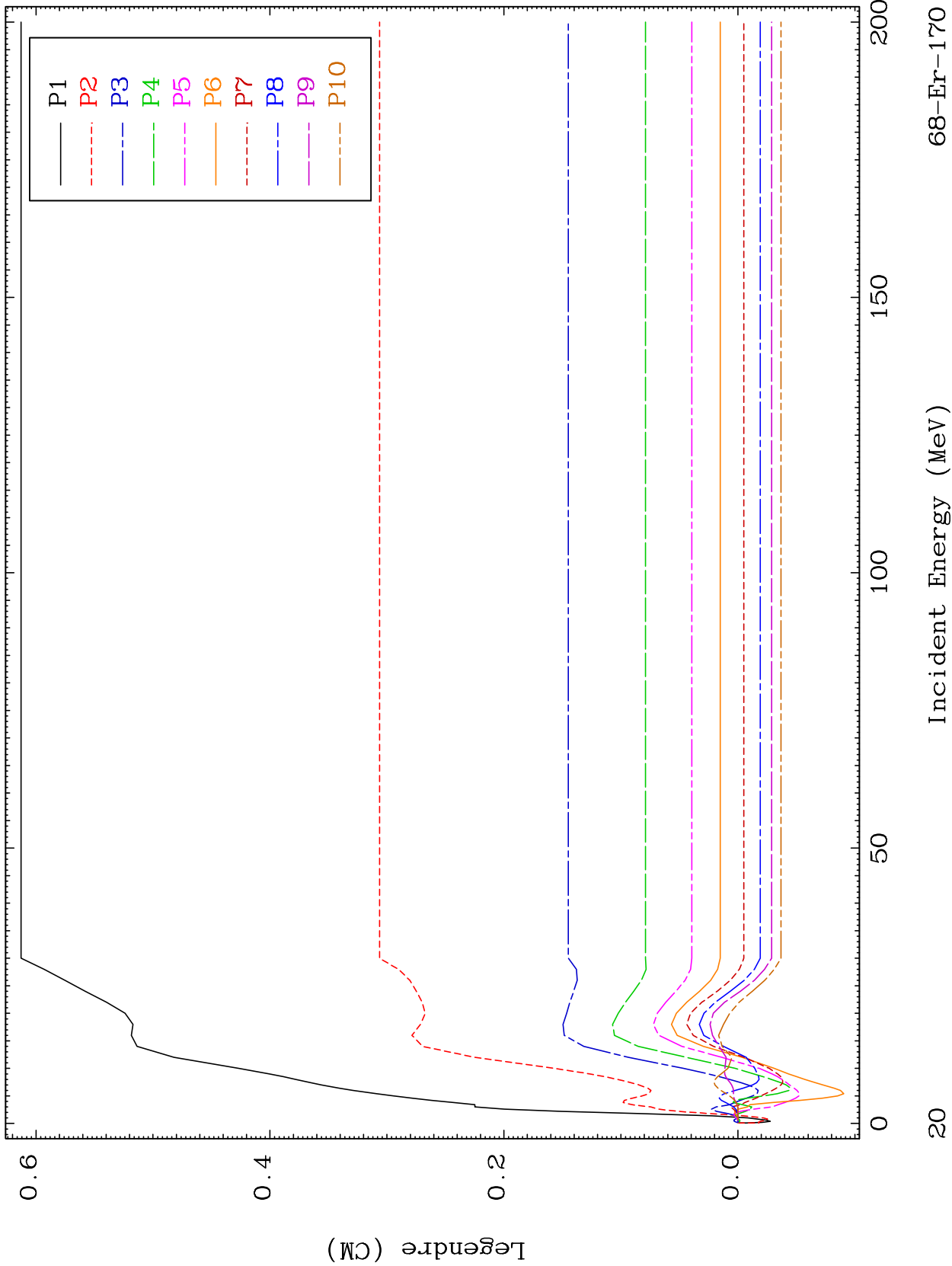
Incident Energy (MeV)

68-Er-170

MAT 6849

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

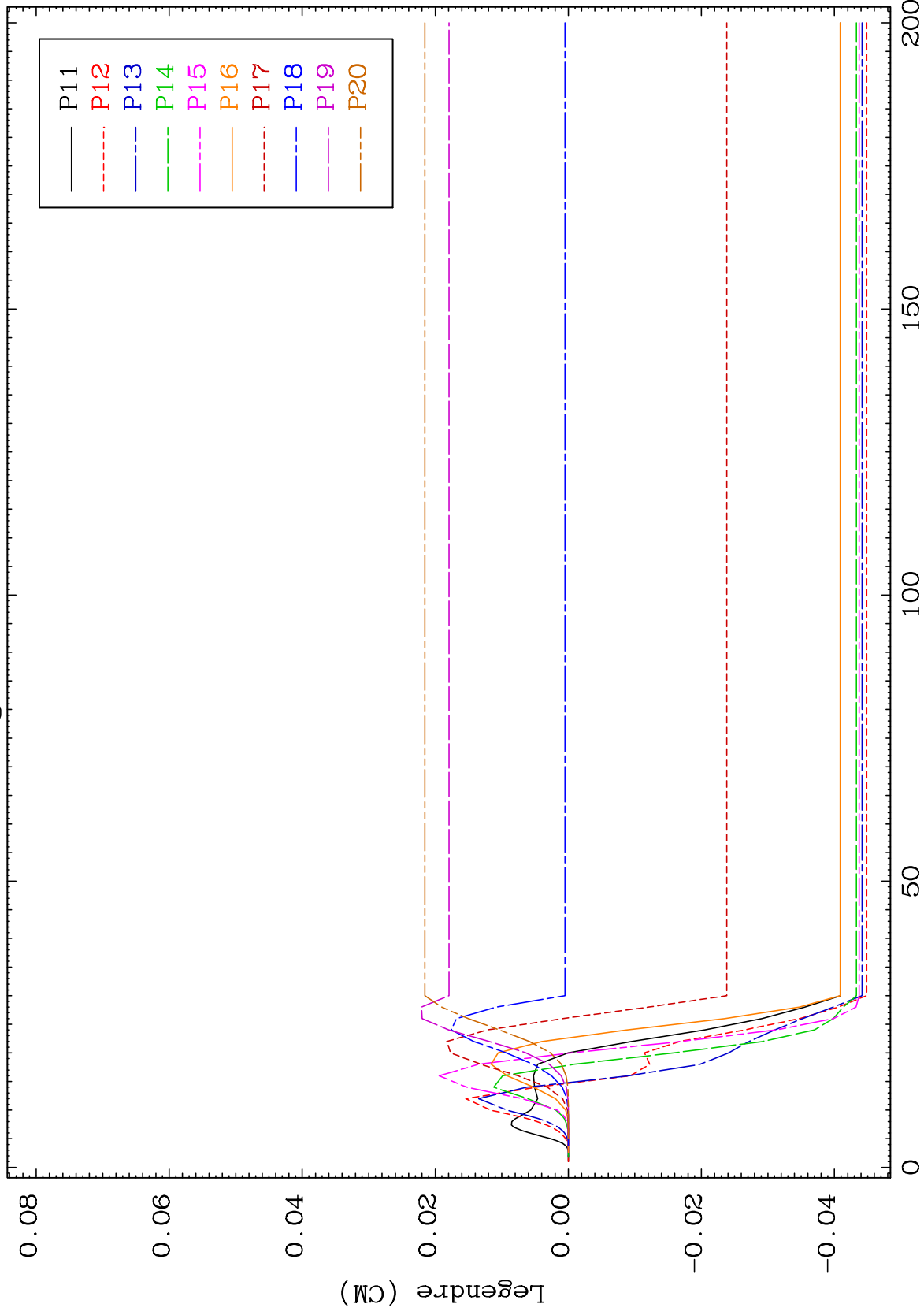
68-Er-170



MAT 6849

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

68-Er-170



21

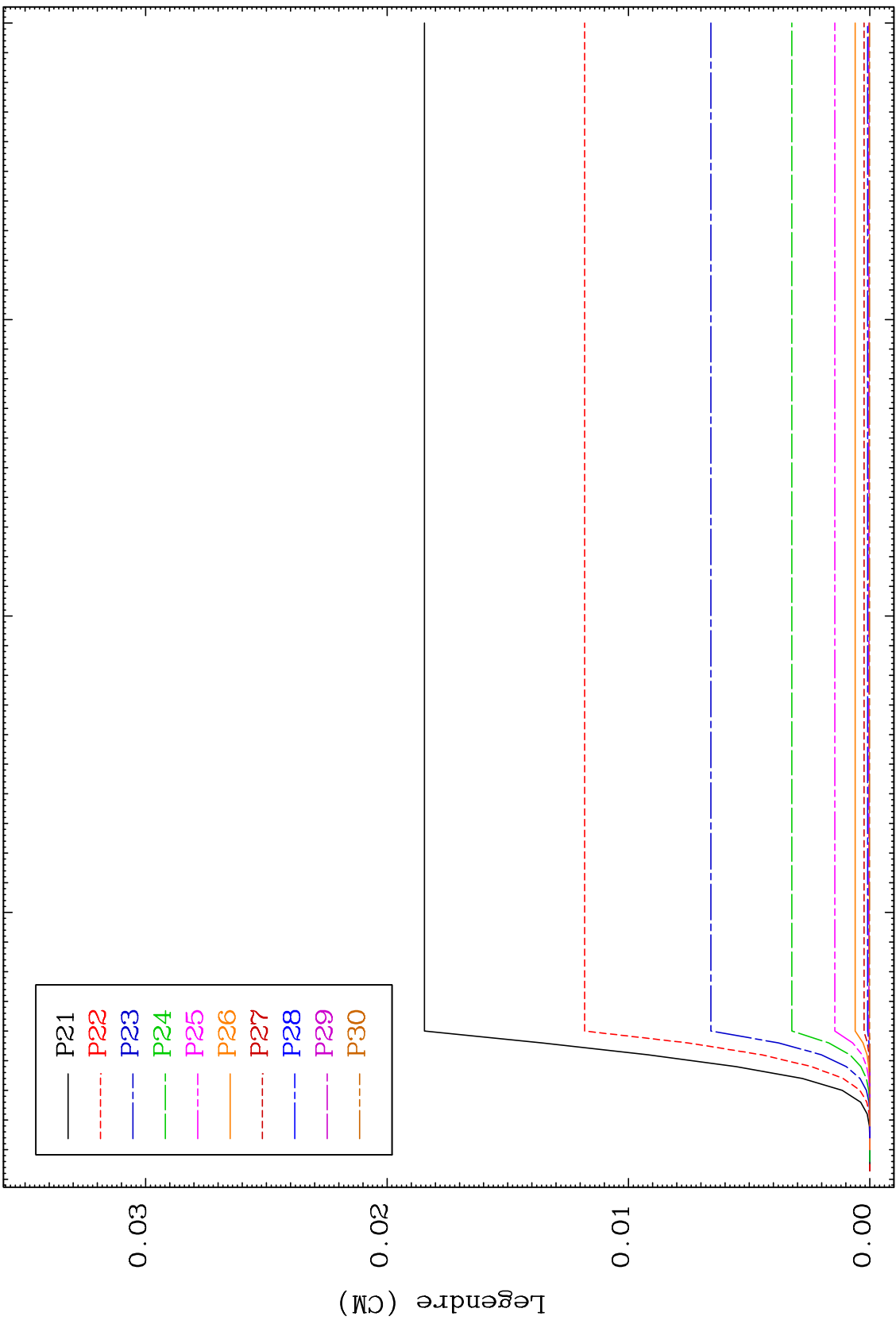
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



22

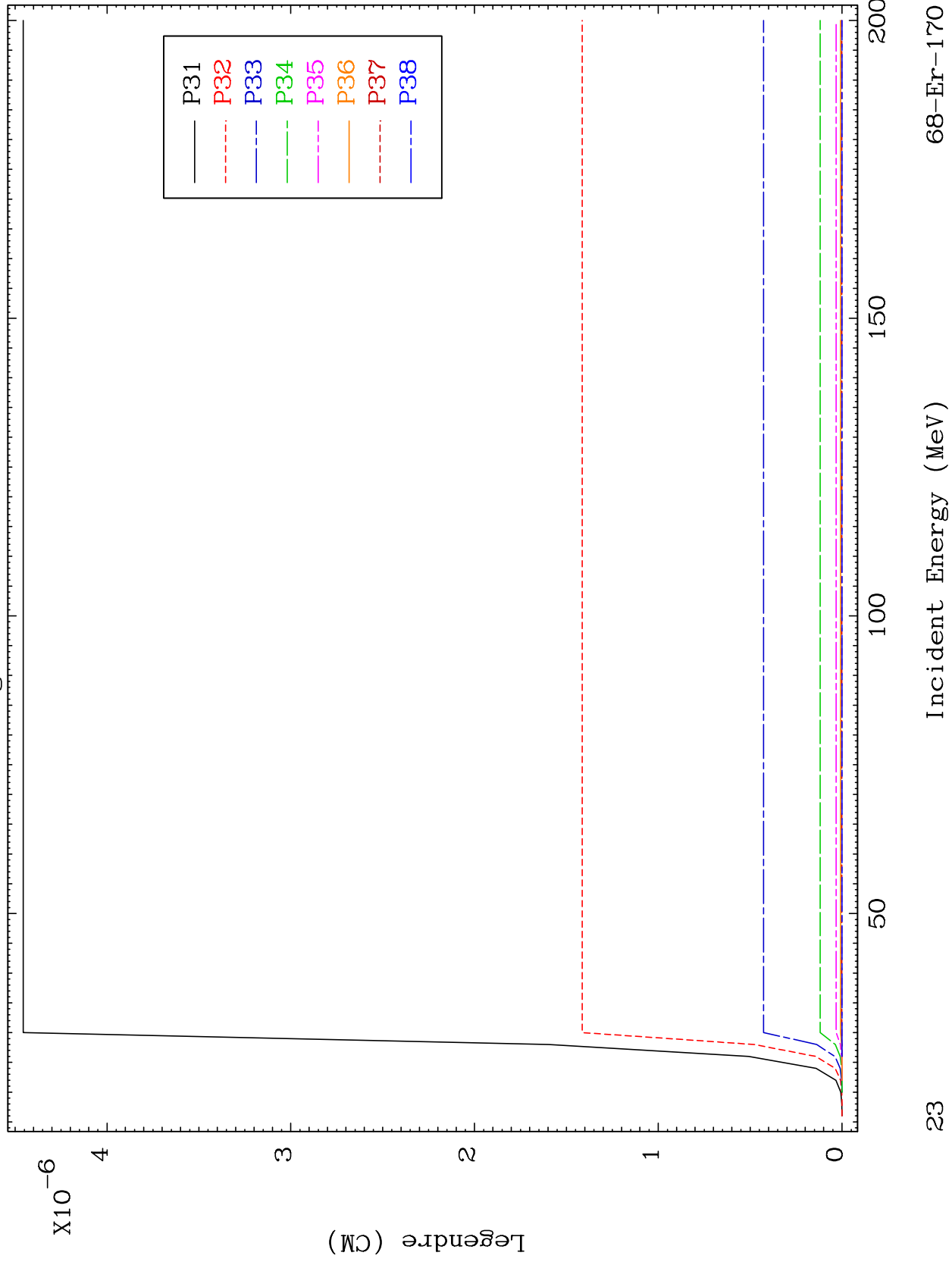
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



23

Incident Energy (MeV)

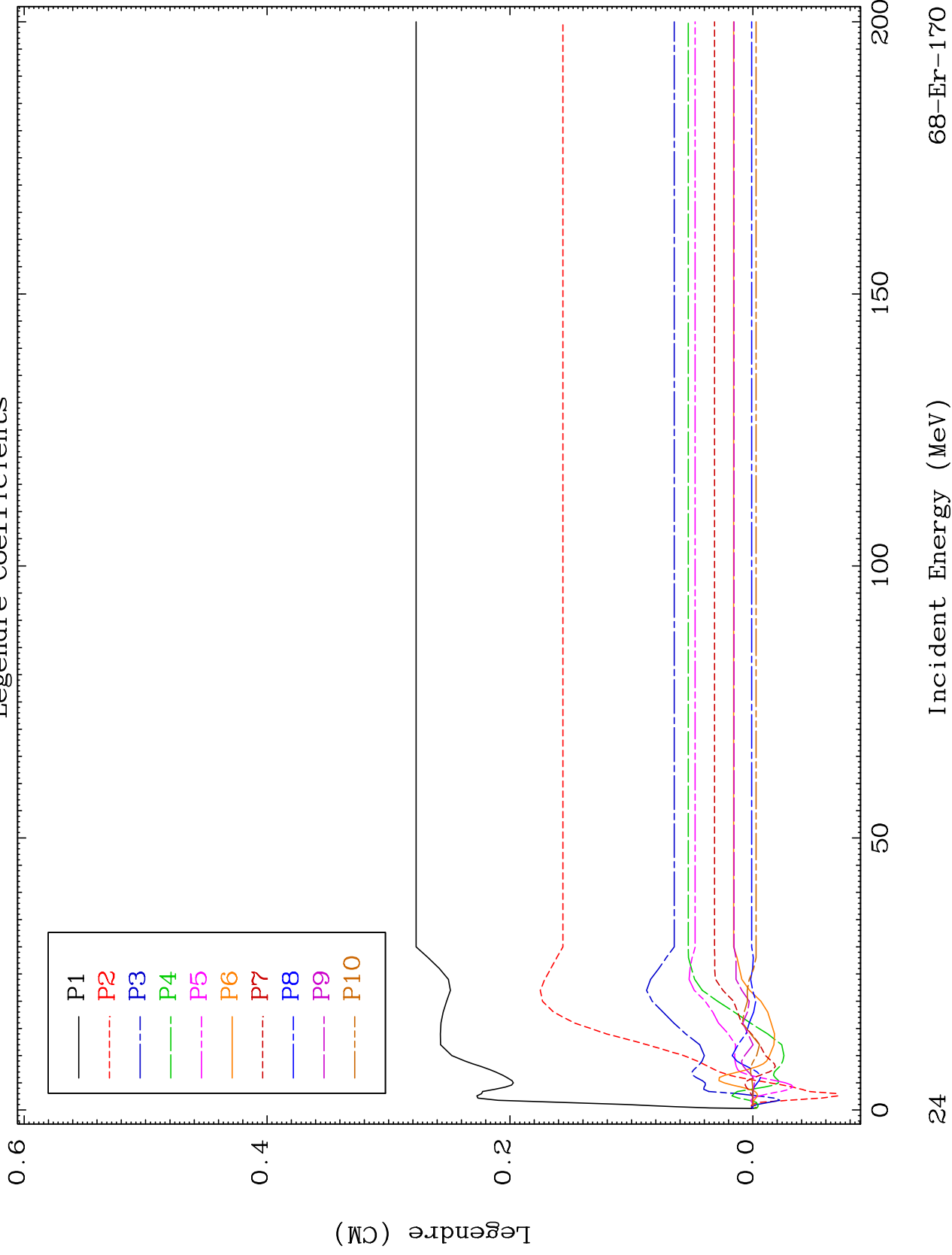
68-Er-170



MAT 6849

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

68-Er-170



24

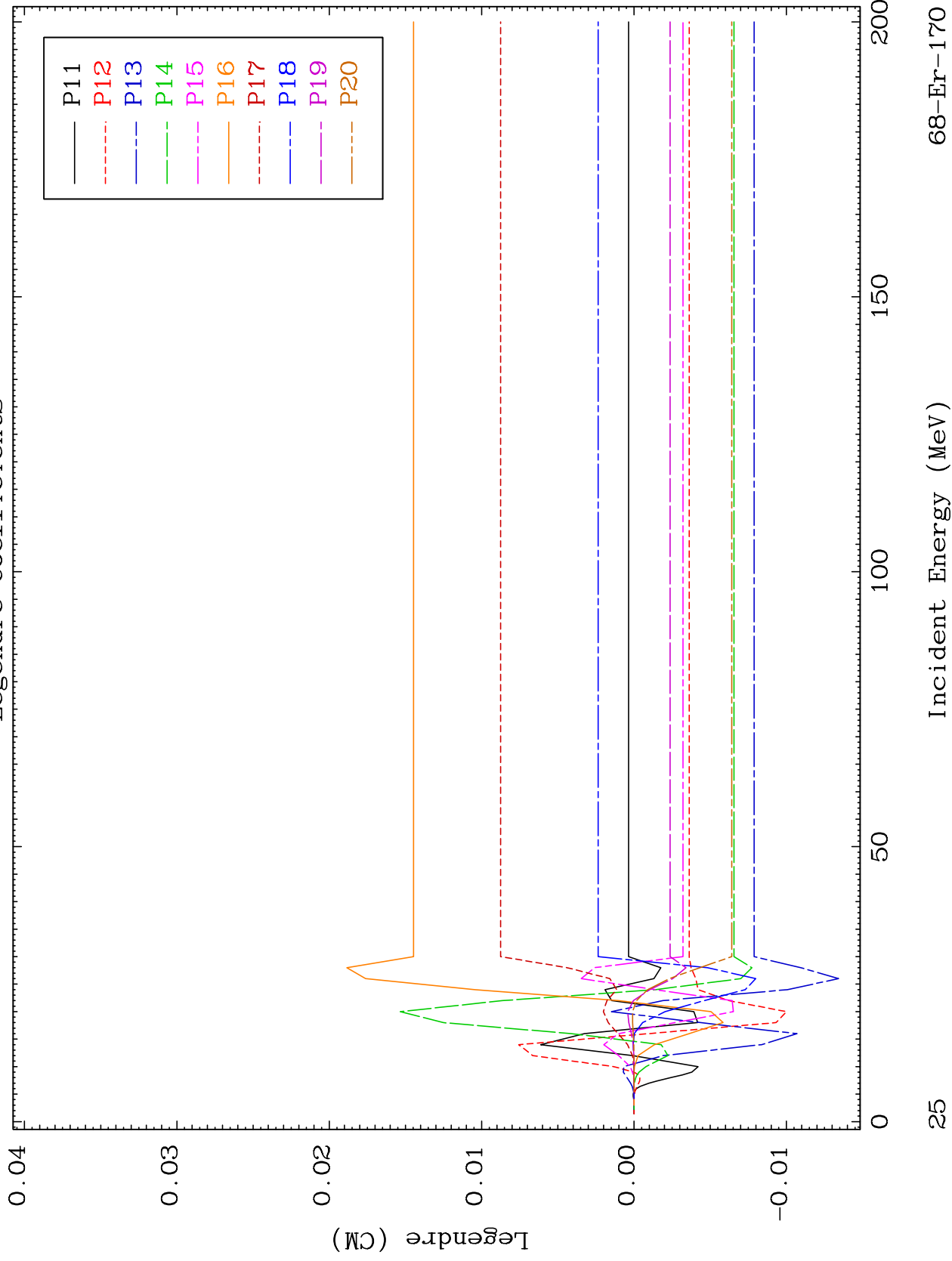
Incident Energy (MeV)

68-Er-170

MAT 6849

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

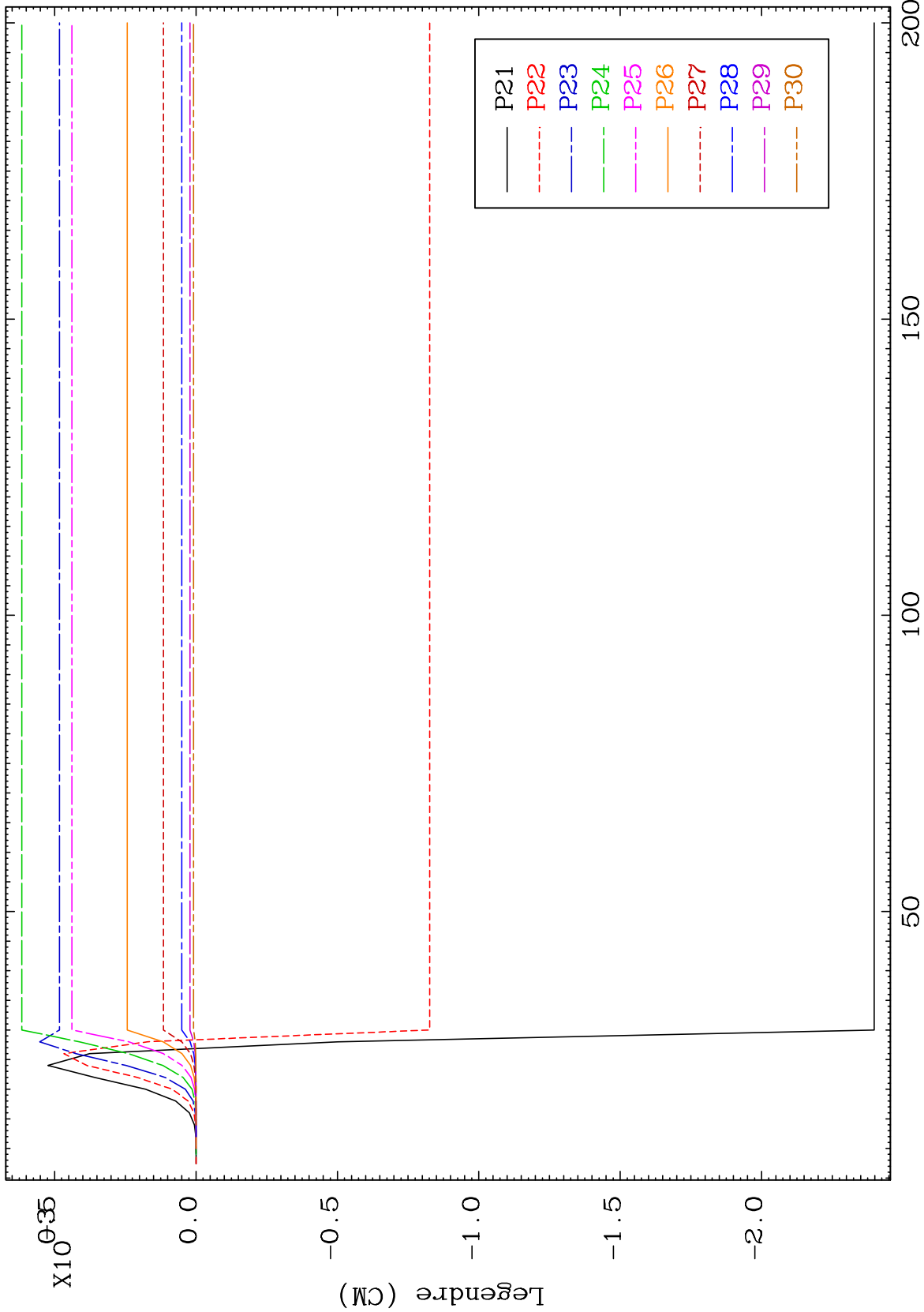
68-Er-170



68-Er-170

Incident Energy (MeV)

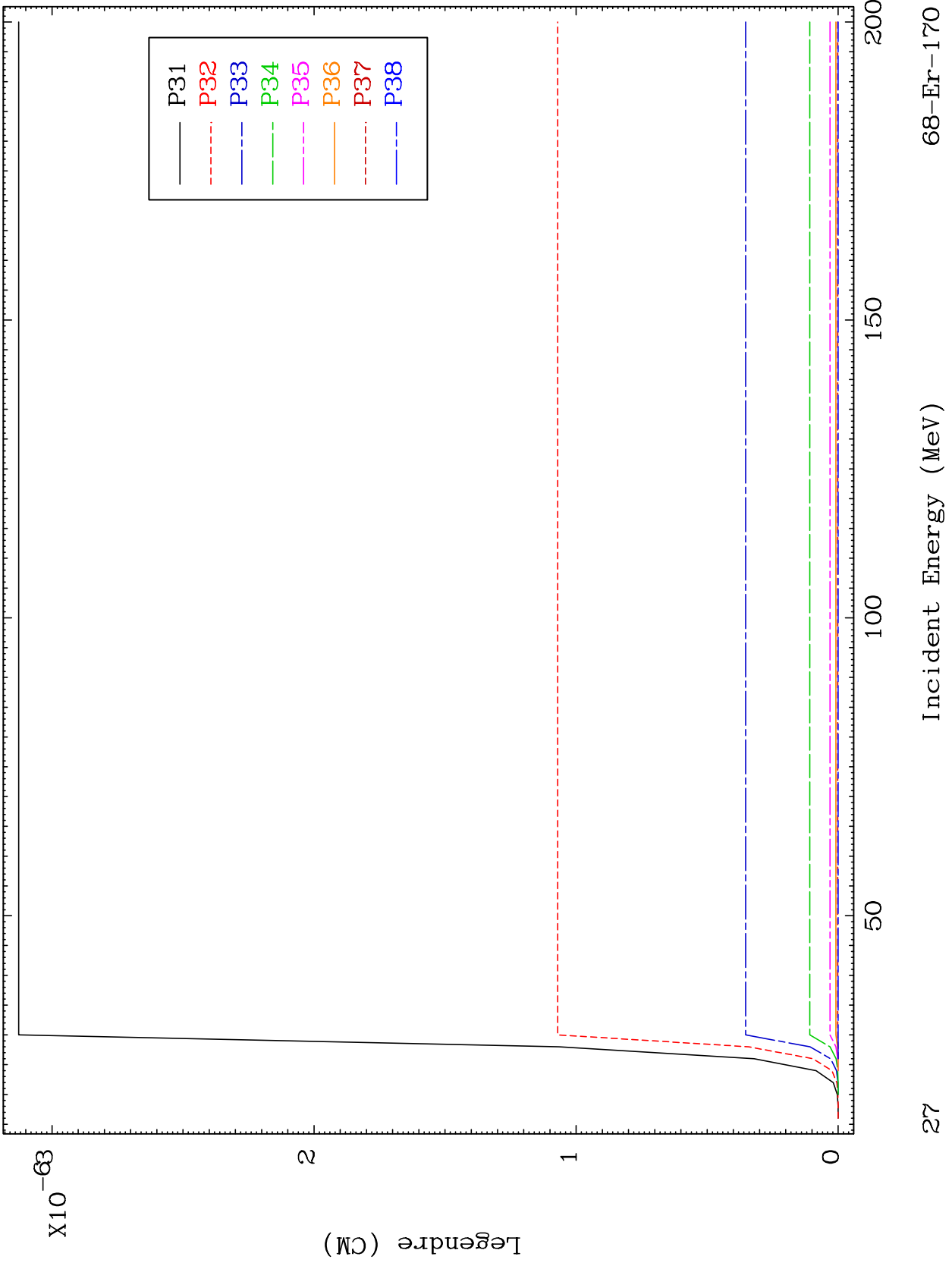
25



MAT 6849

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

68-Er-170



27

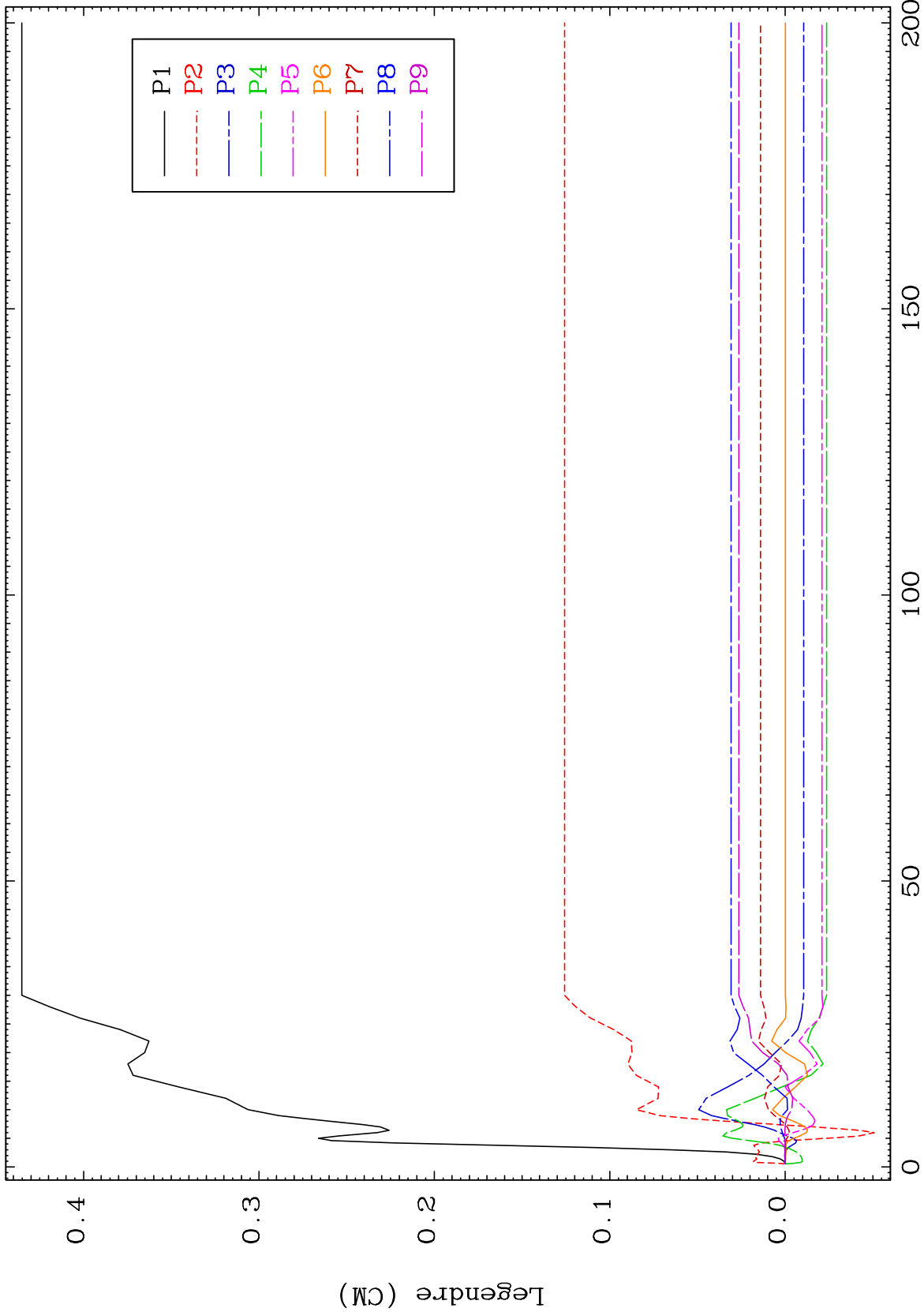
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



28

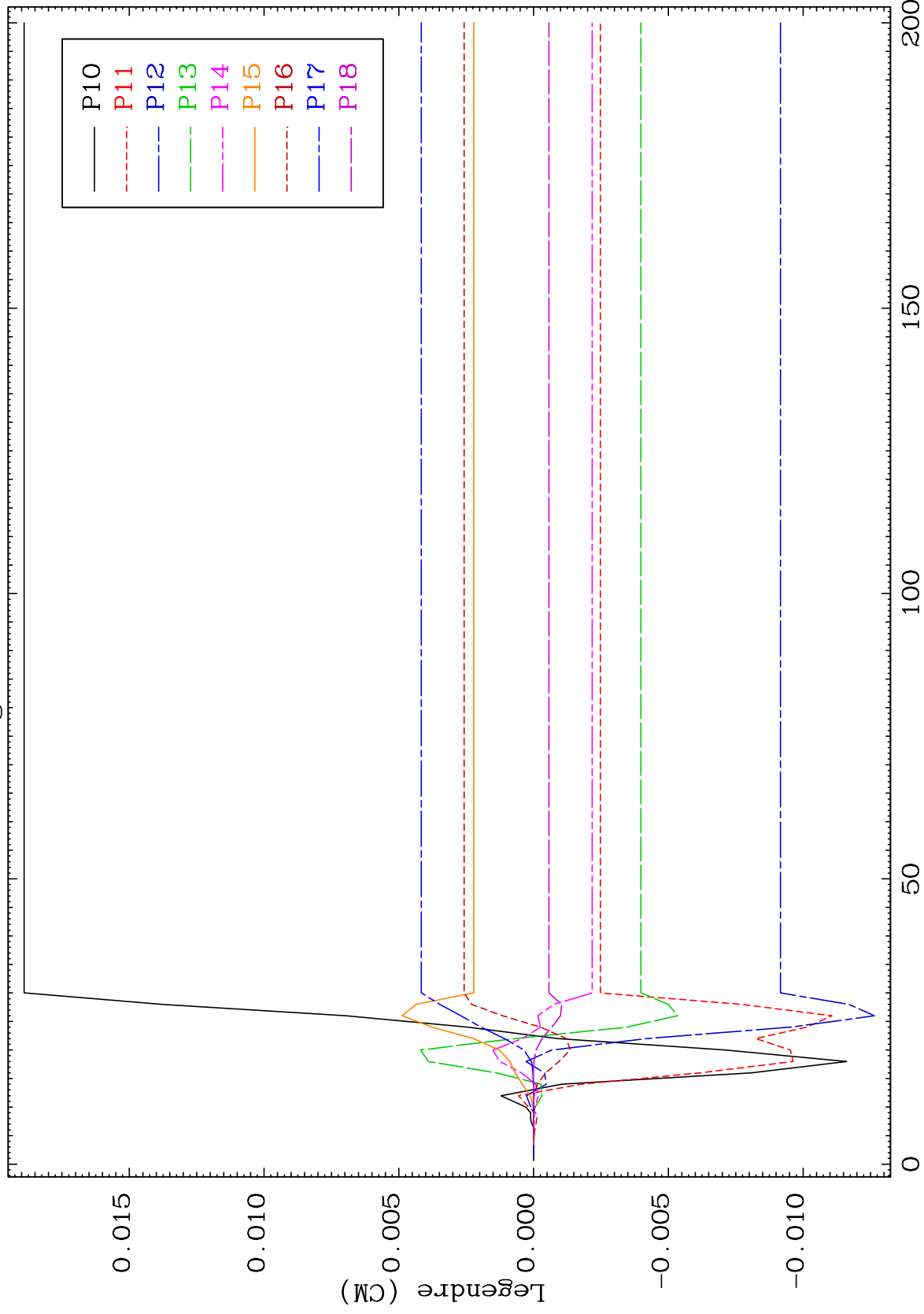
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



29

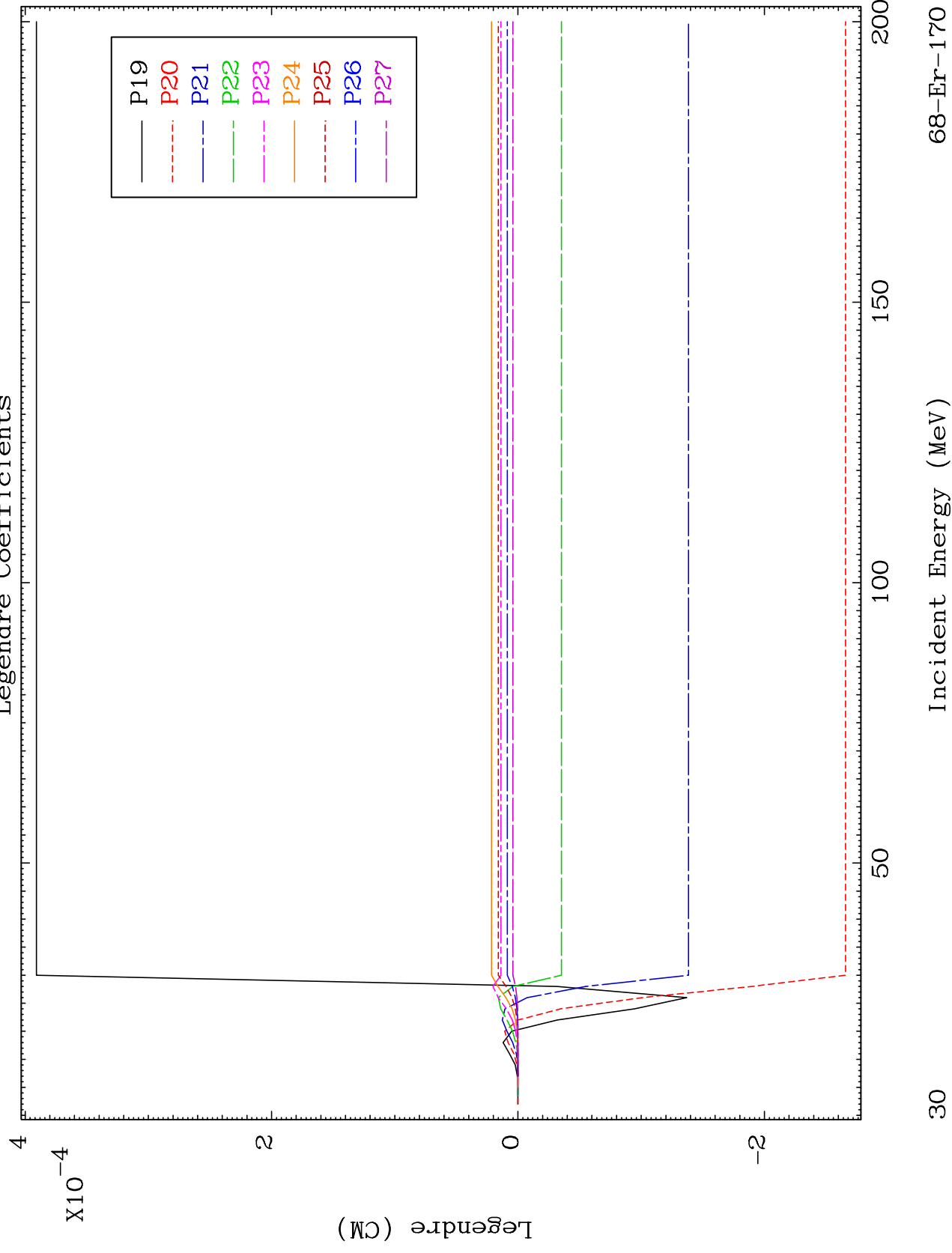
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



30

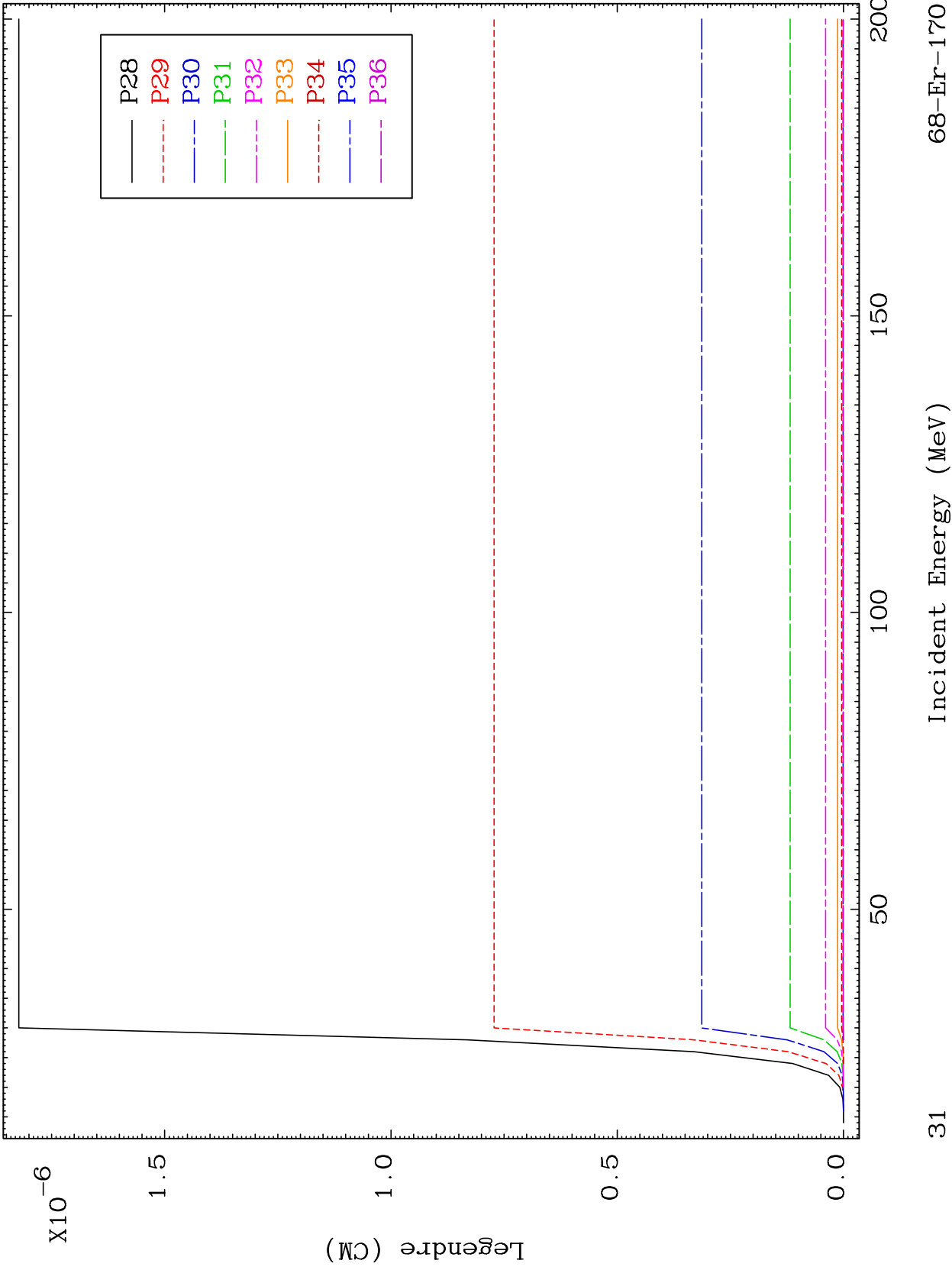
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



31

Incident Energy (MeV)

68-Er-170

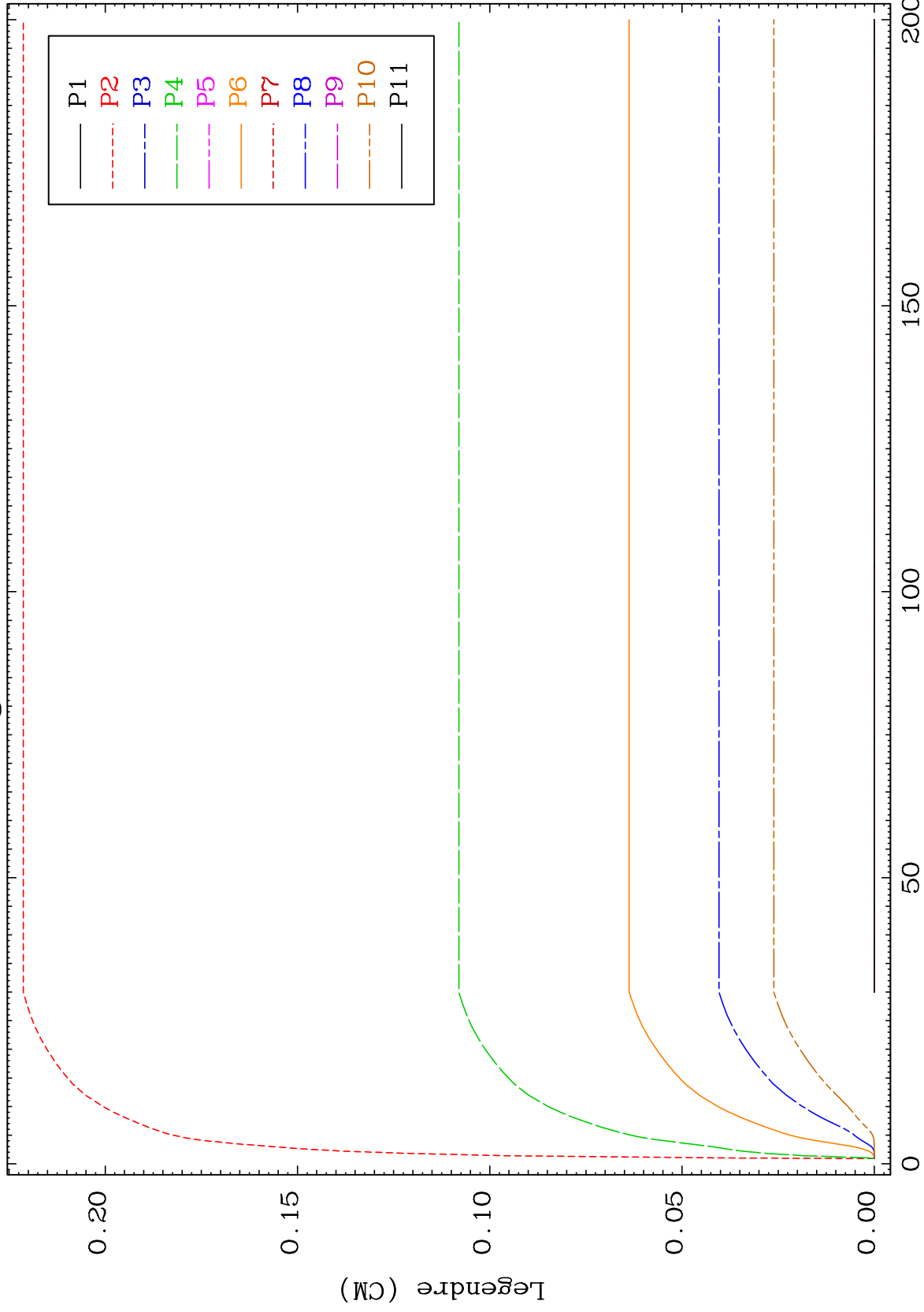


MAT 6849

MT= 54 (n,n') Level

68-Er-170

Legendre Coefficients



32

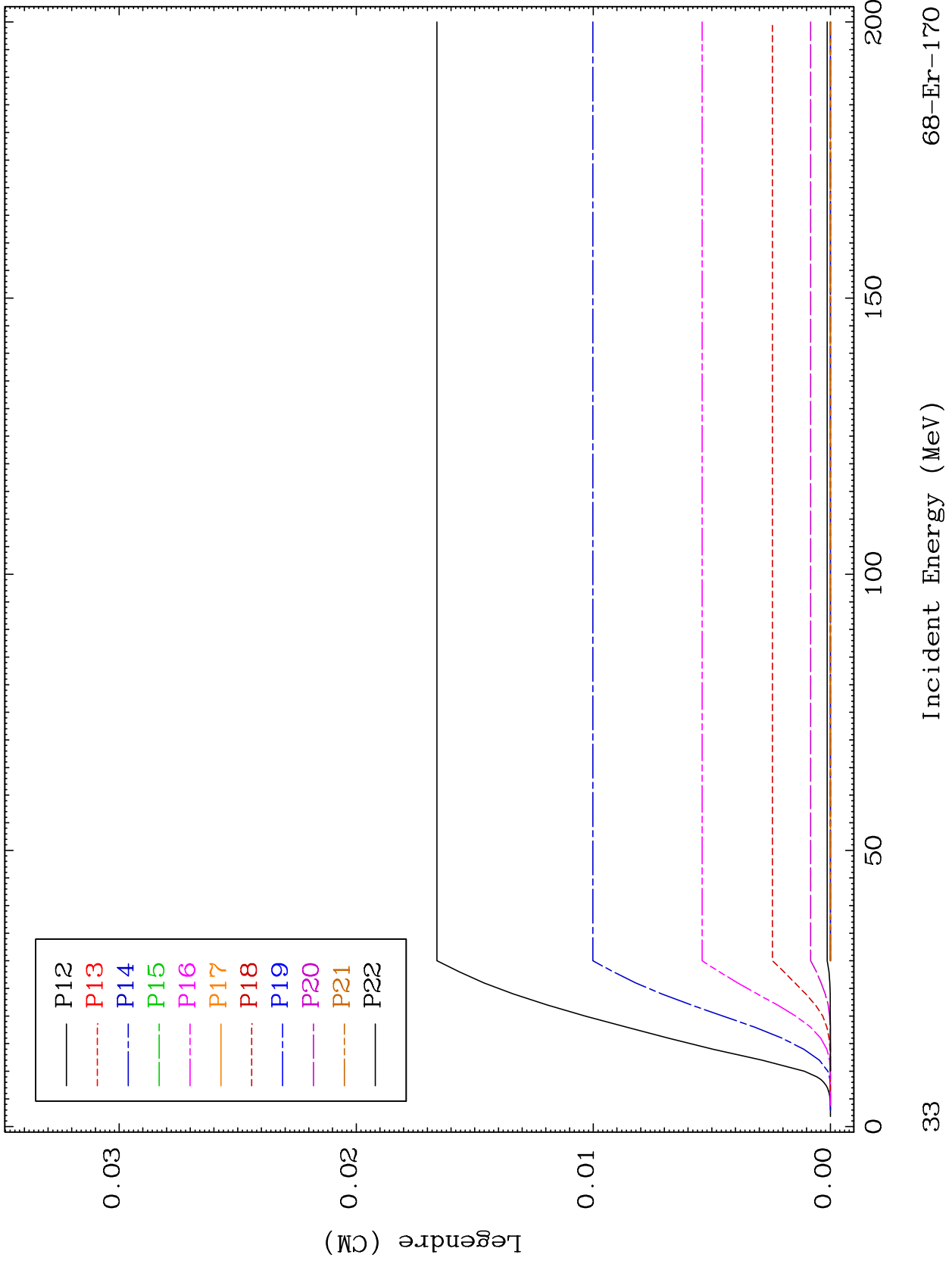
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



33

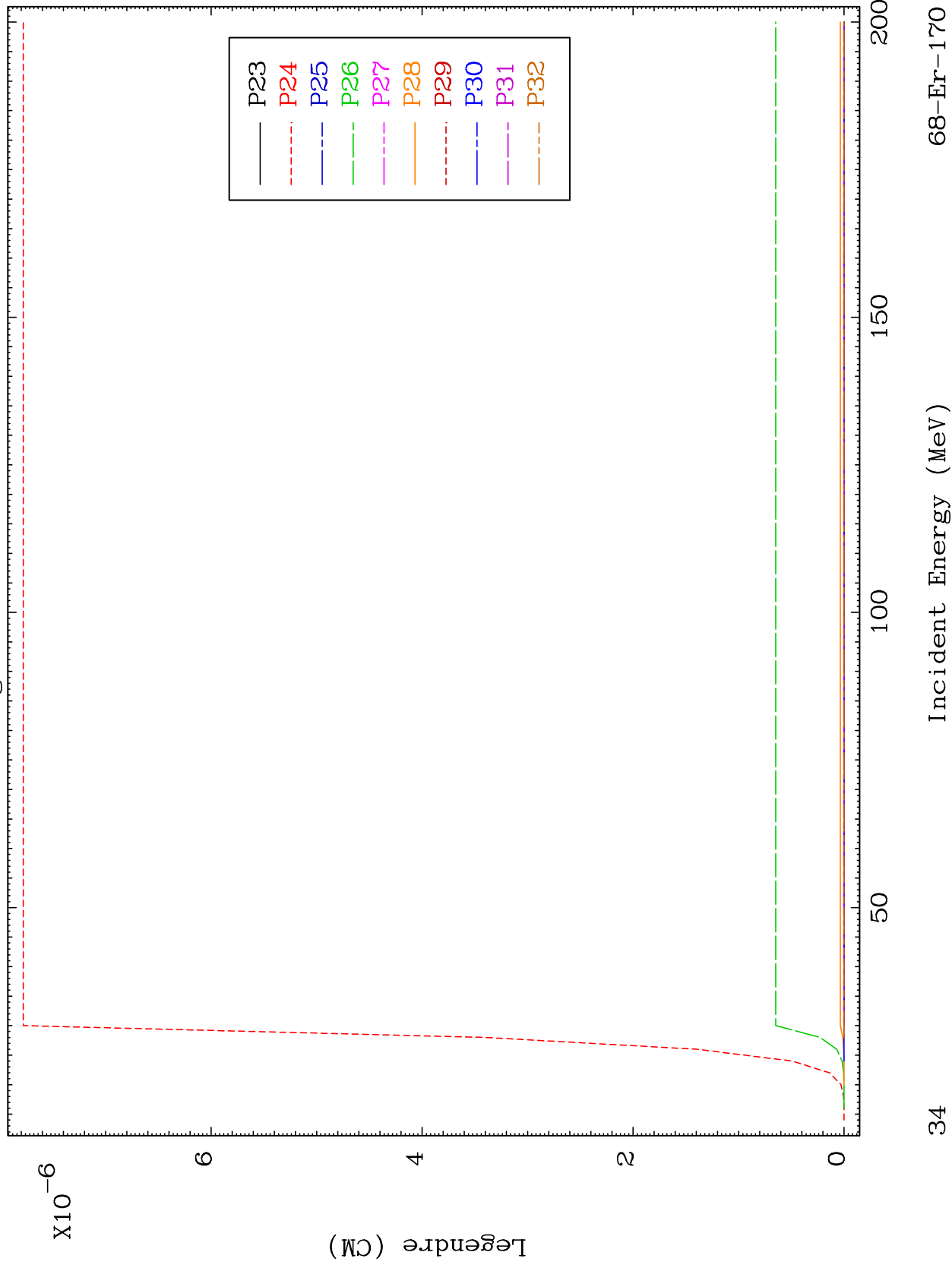
Incident Energy (MeV)

68-Er-170

MAT 6849

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

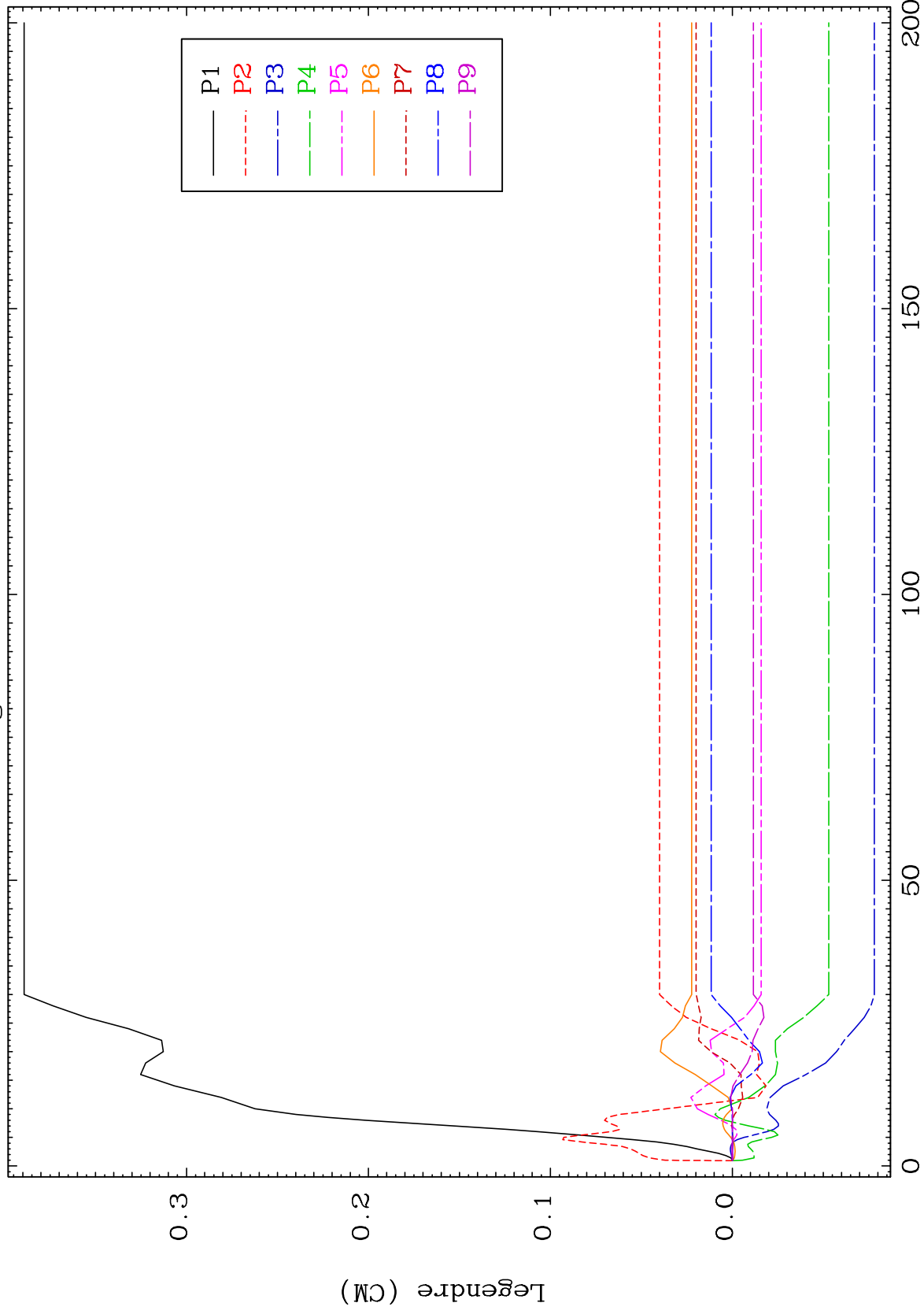
68-Er-170



MAT 6849

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

68-Er-170



35

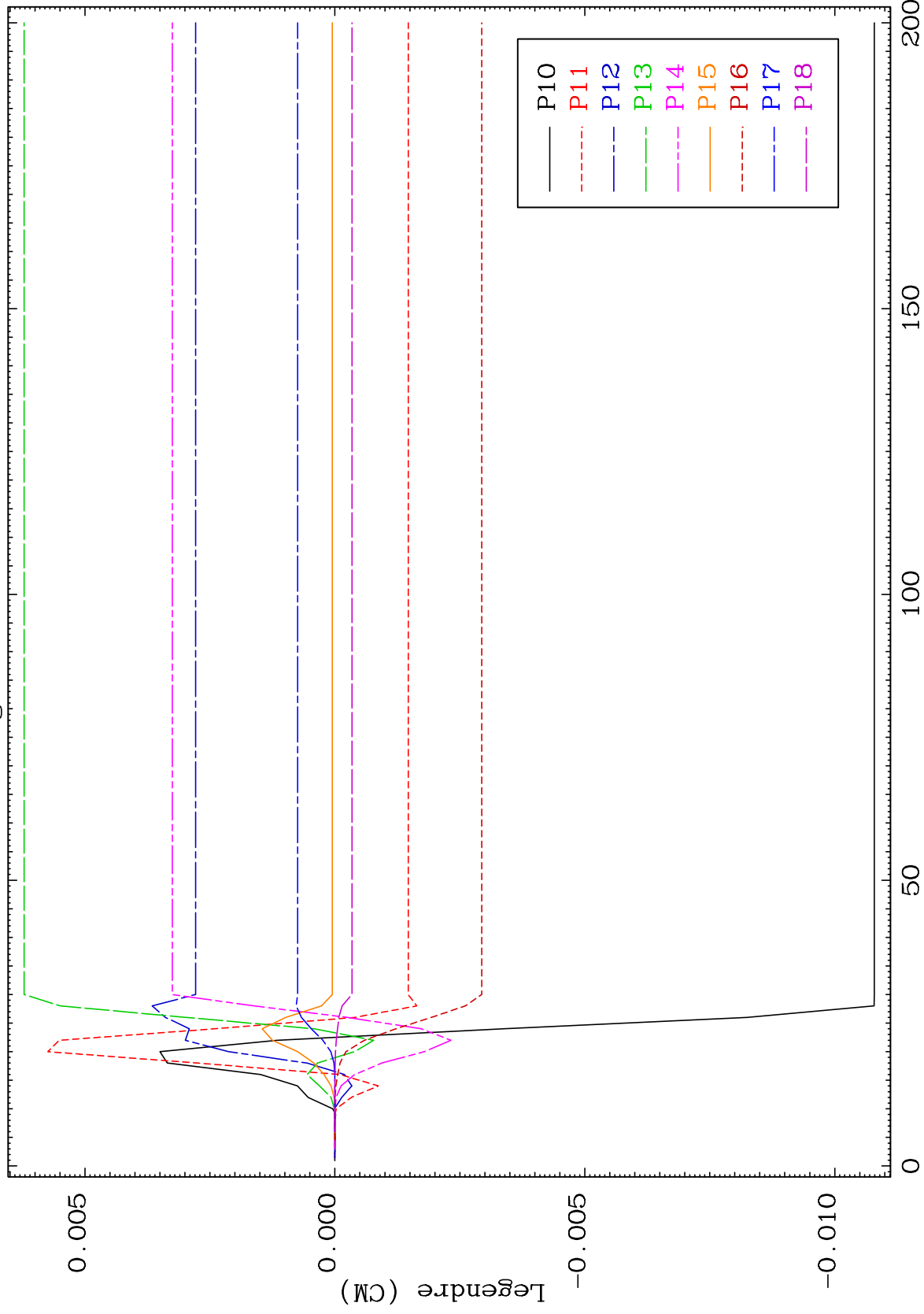
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



36

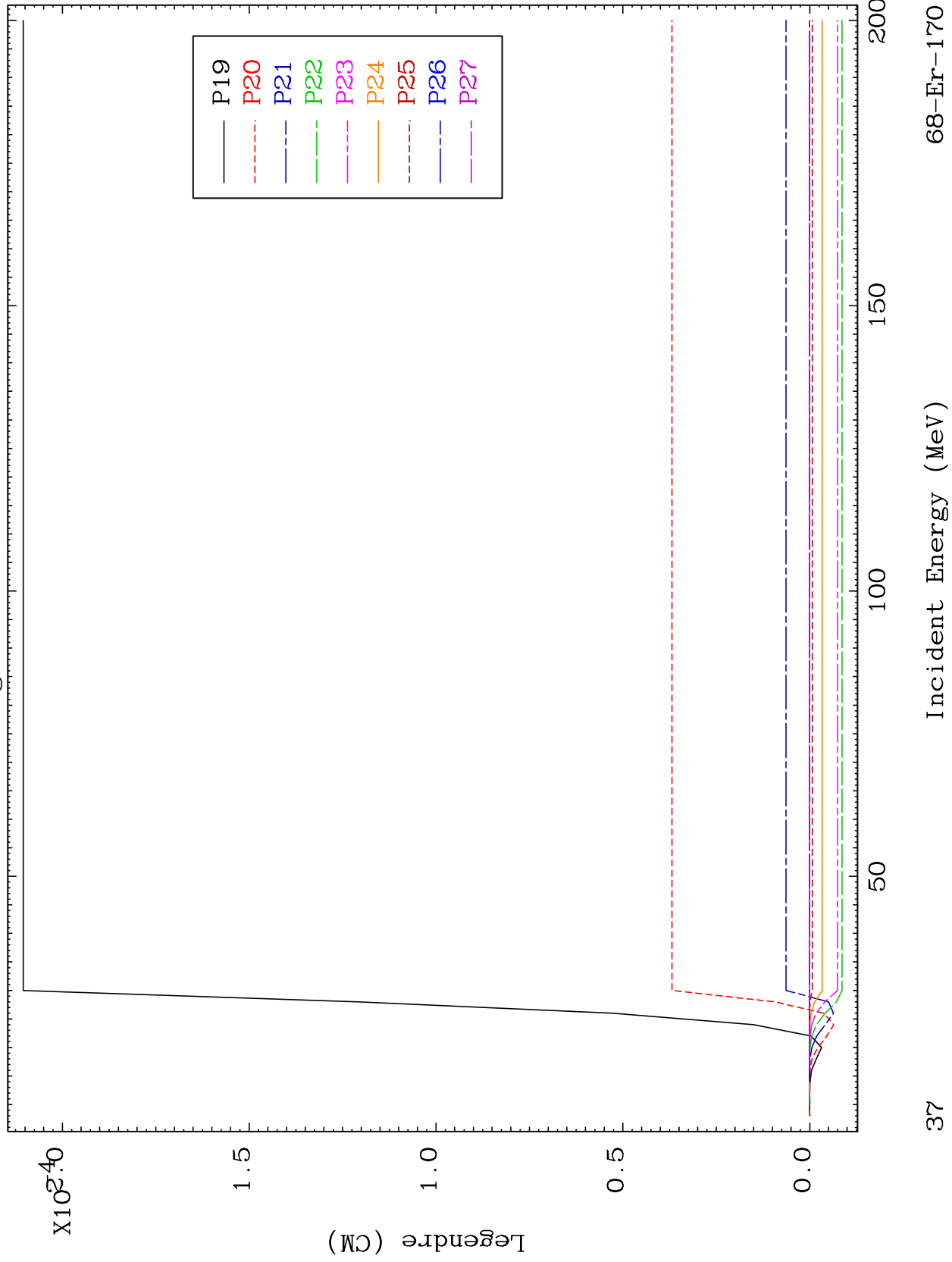
Incident Energy (MeV)

68-Er-170

MAT 6849

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

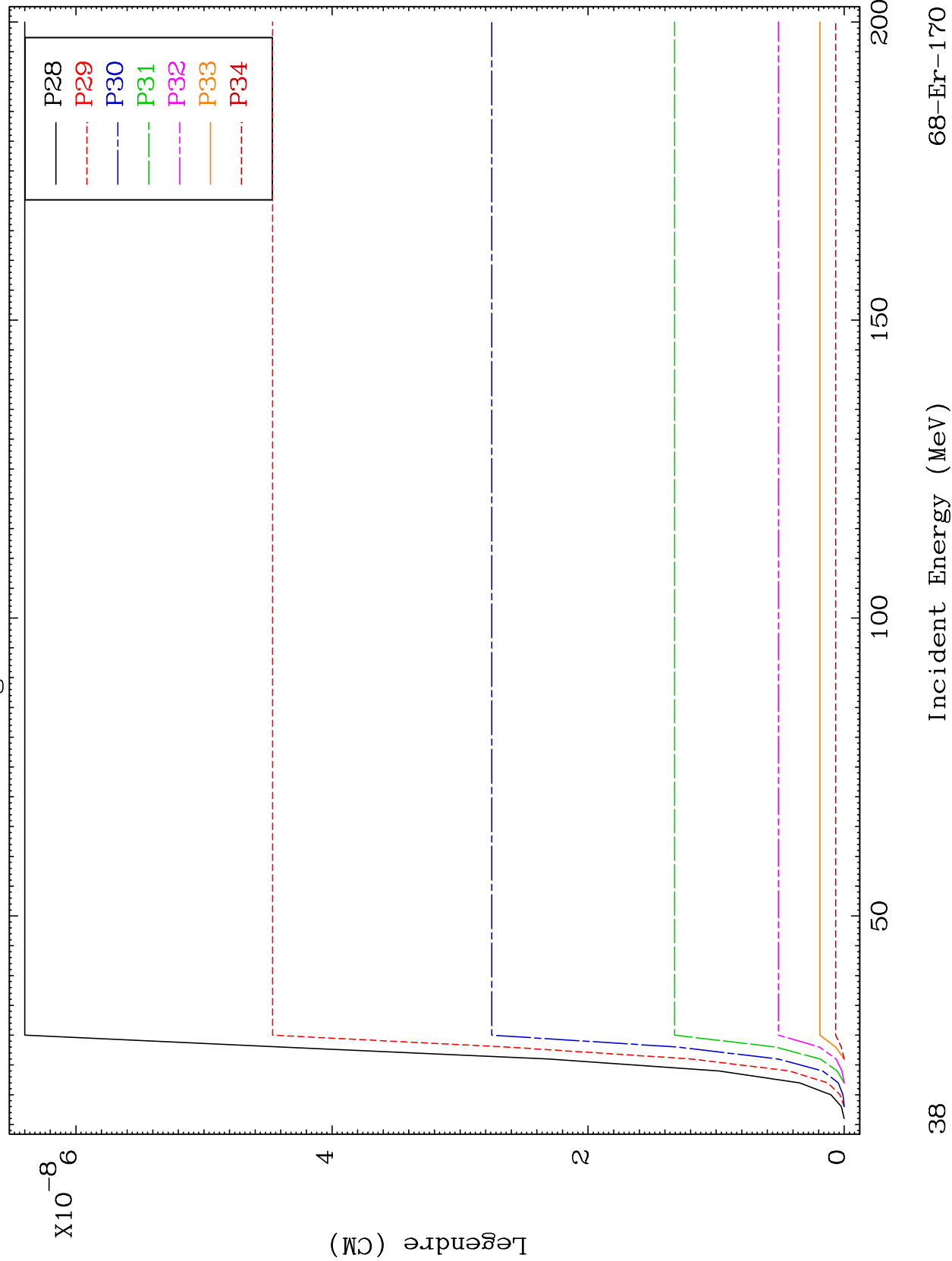
68-Er-170



MAT 6849

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

68-Er-170



38

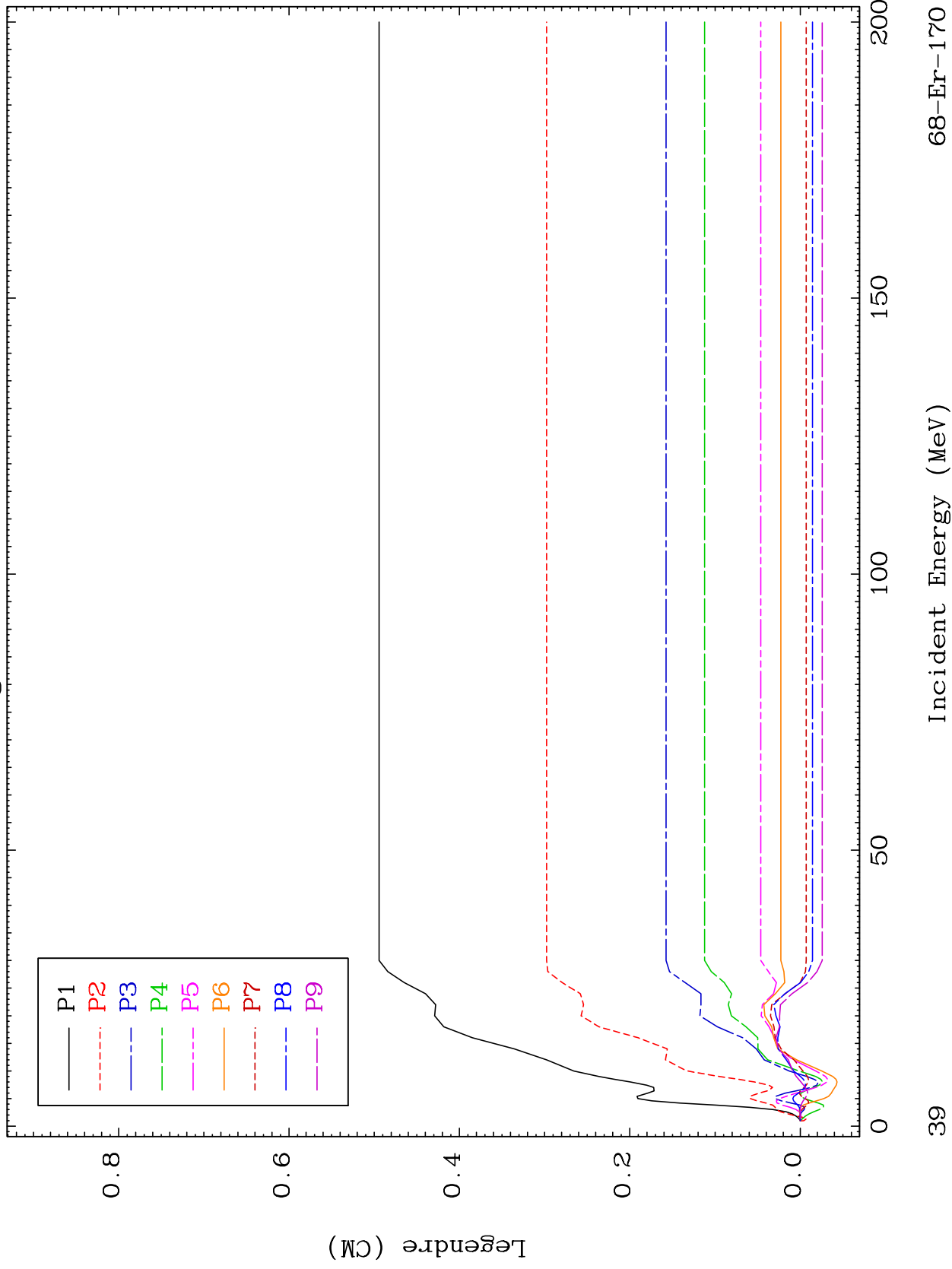
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170

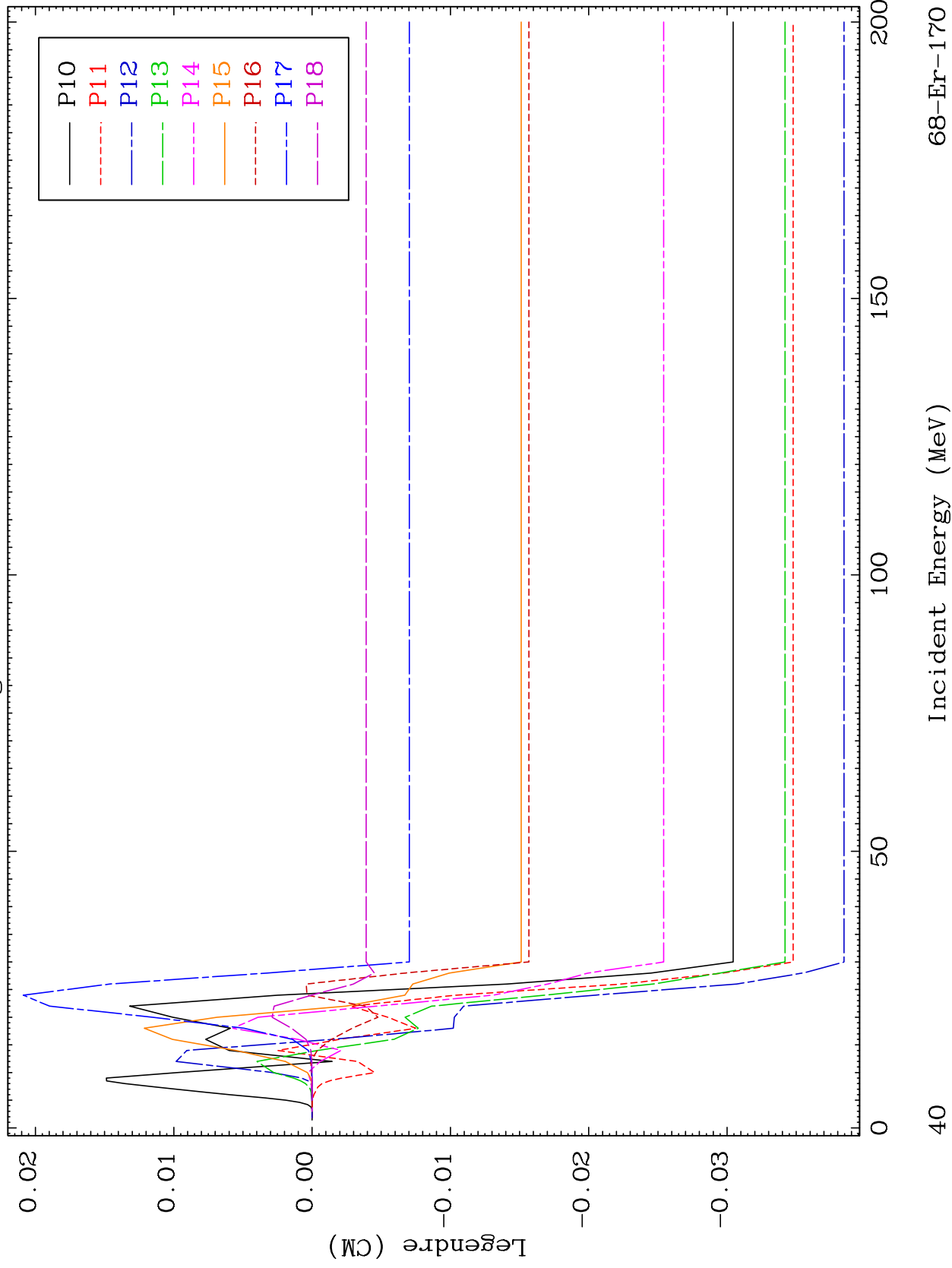




MAT 6849

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

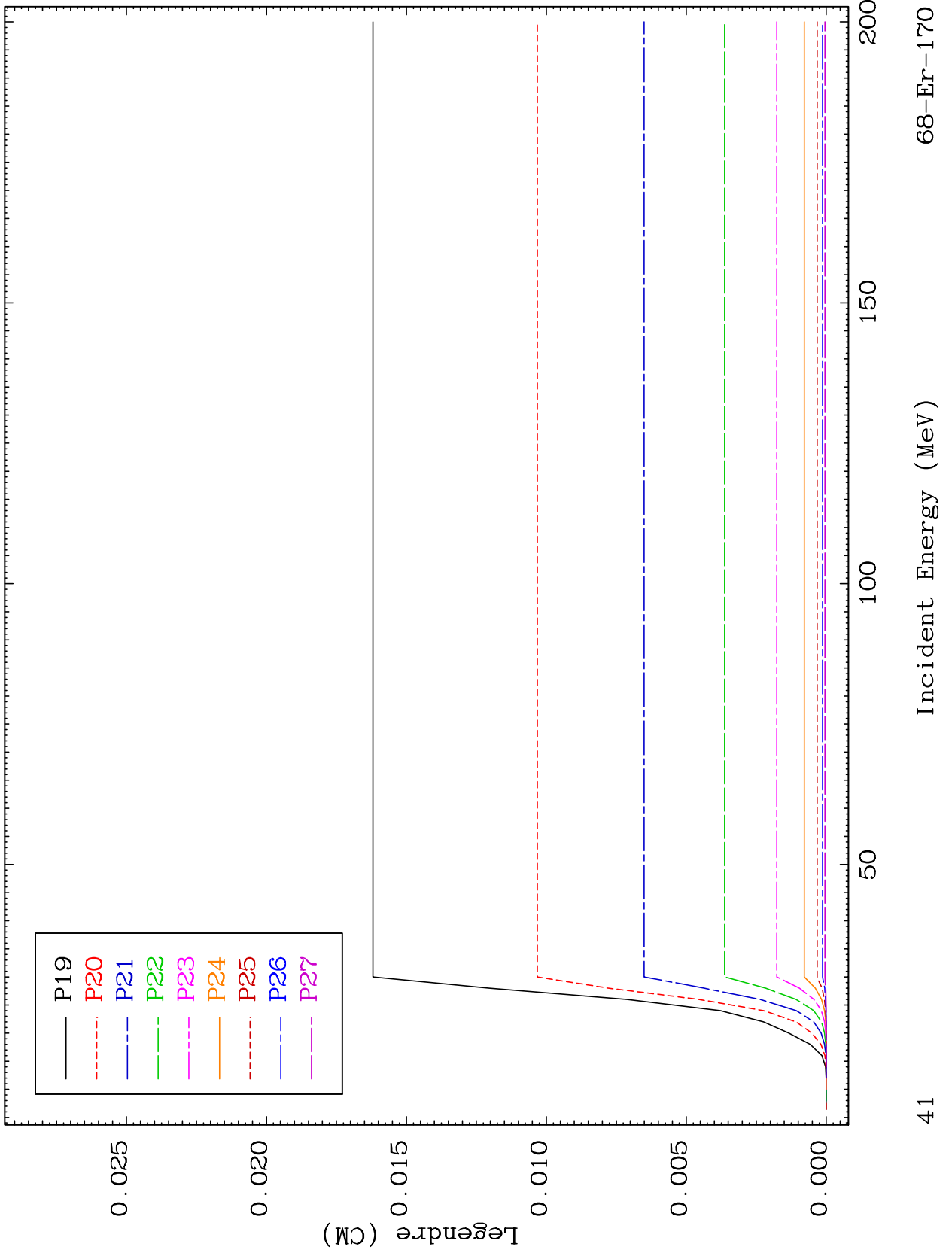
68-Er-170



68-Er-170

Incident Energy (MeV)

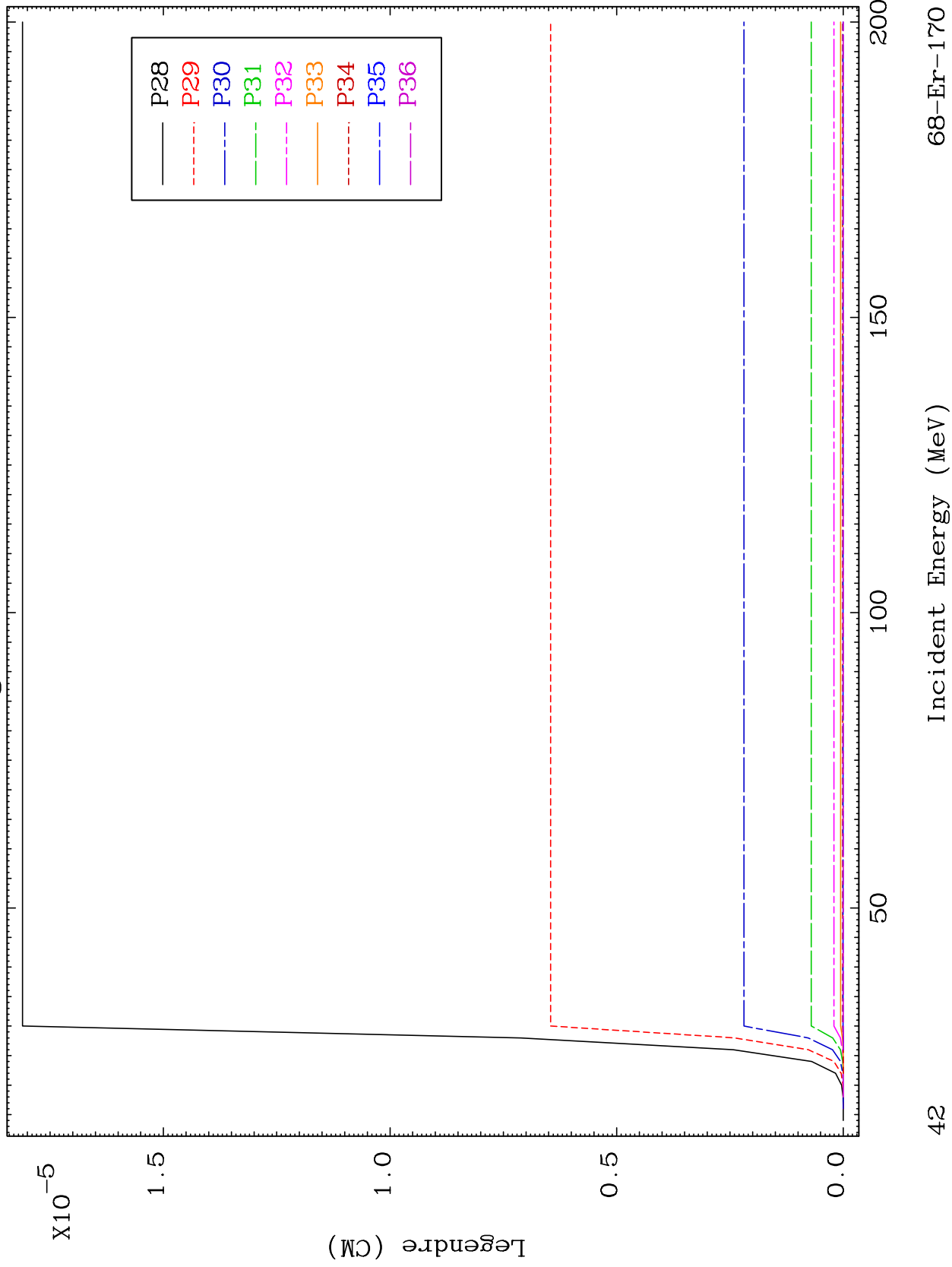
40



MAT 6849

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

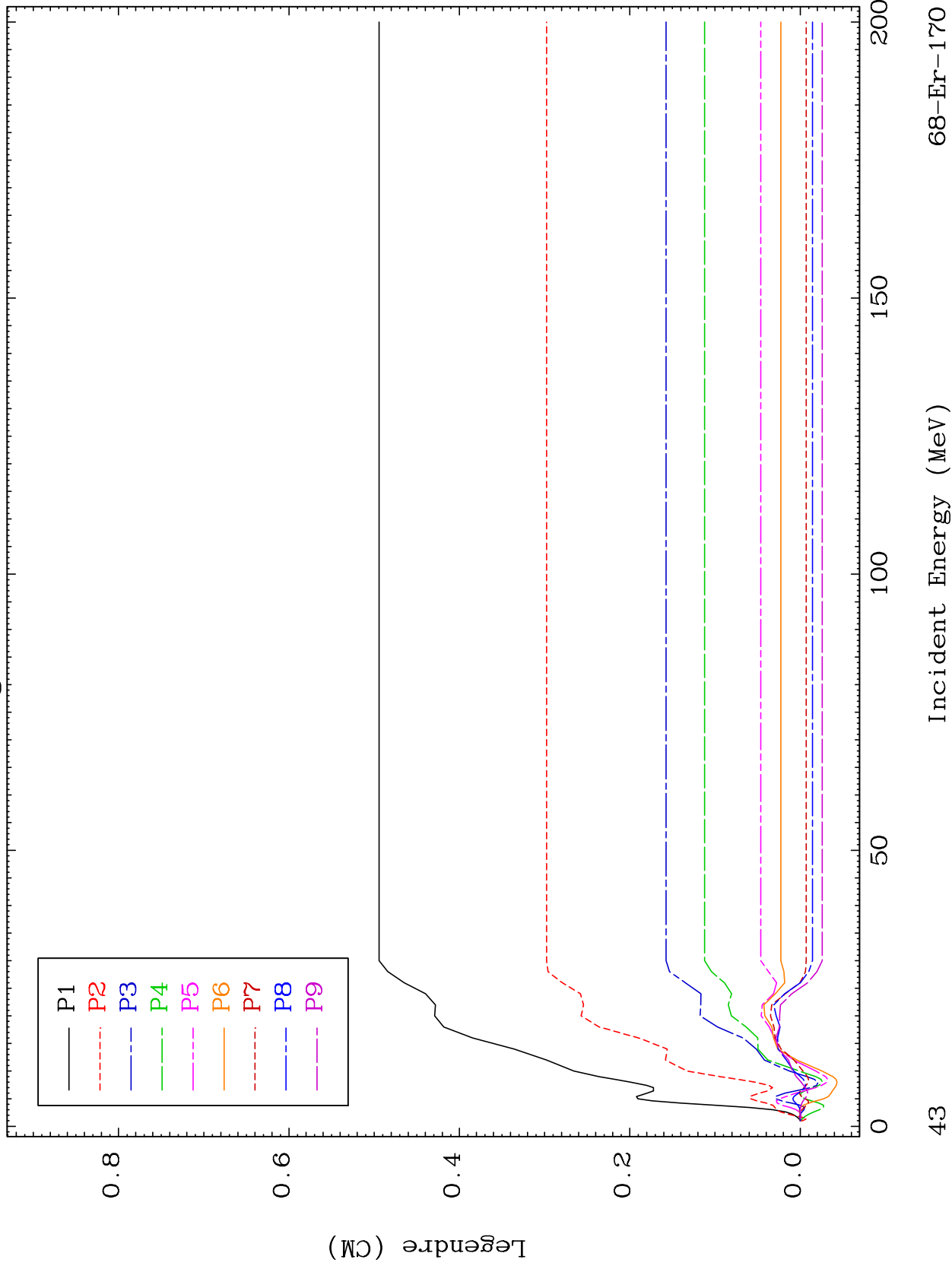
68-Er-170



MAT 6849

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

68-Er-170



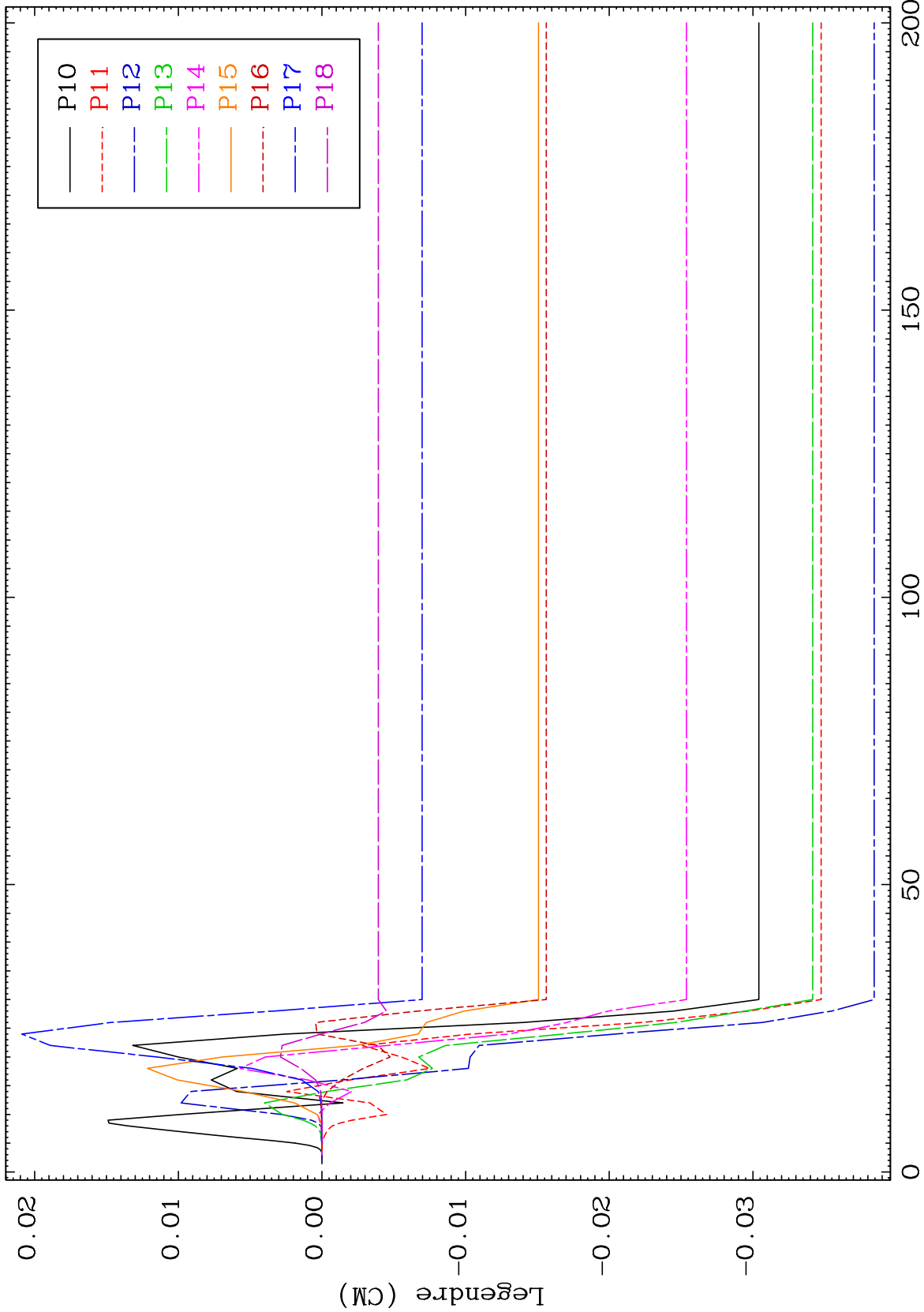
43

68-Er-170

MAT 6849

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

68-Er-170



44

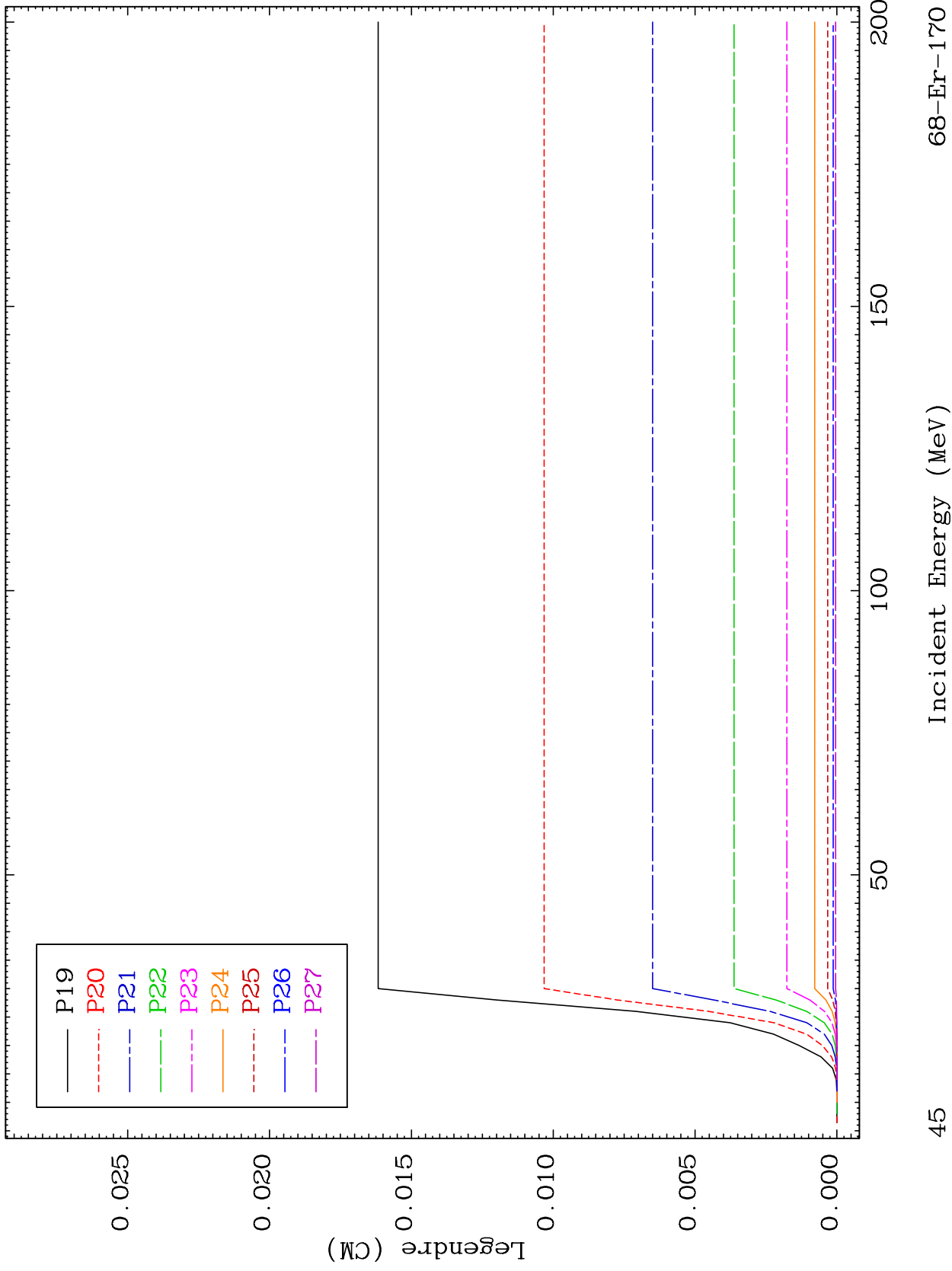
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



45

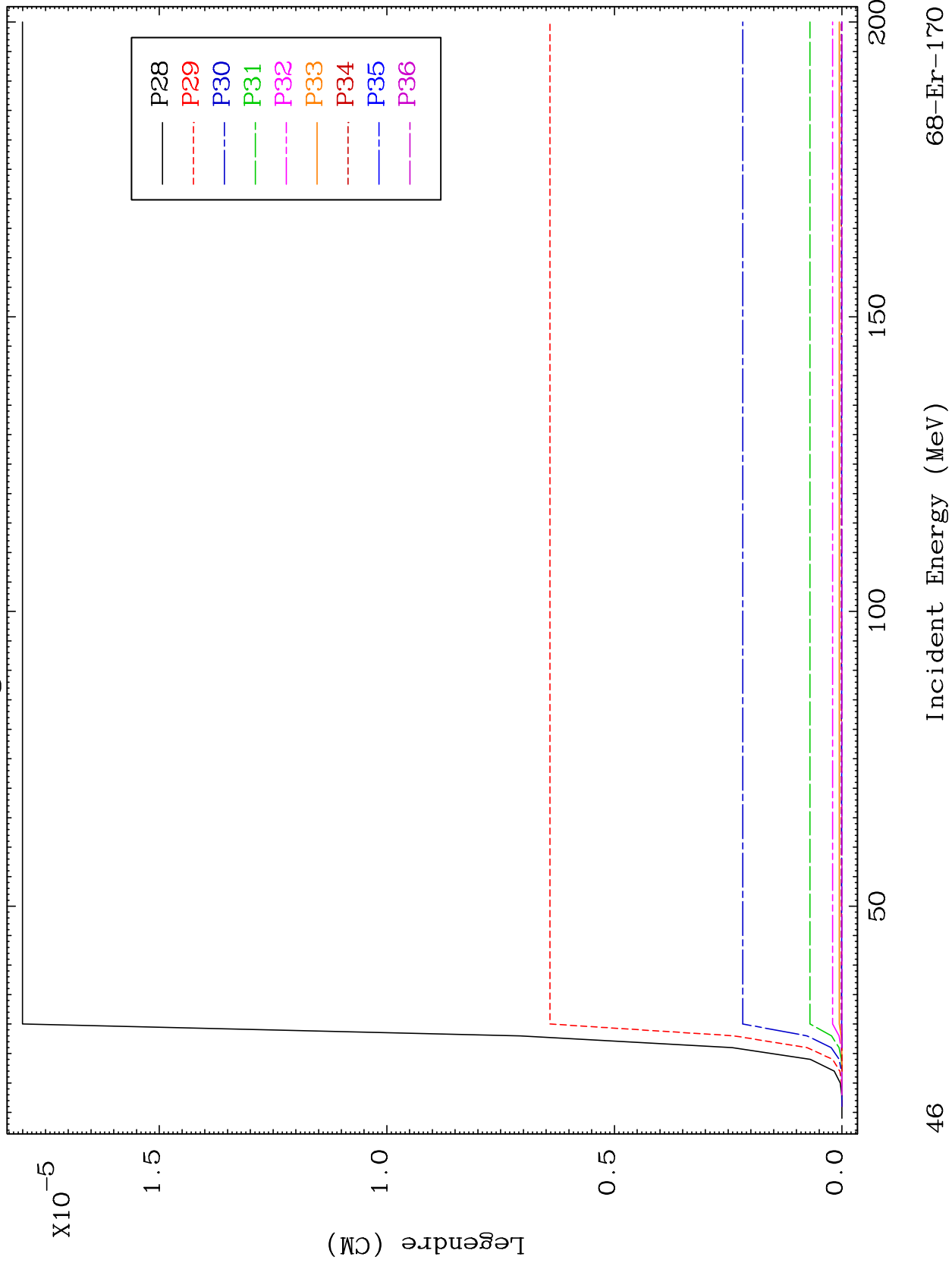
Incident Energy (MeV)

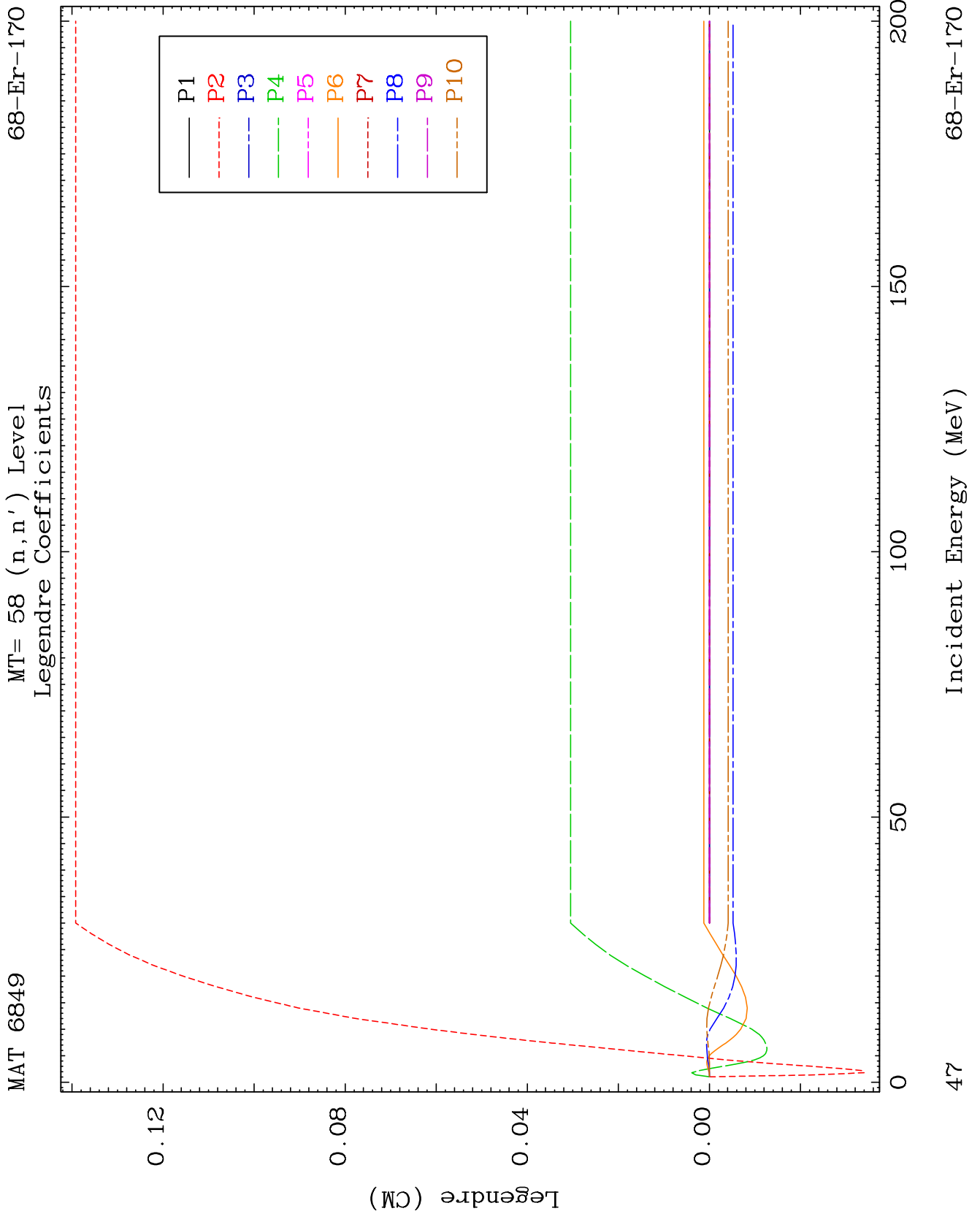
68-Er-170

MAT 6849

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

68-Er-170



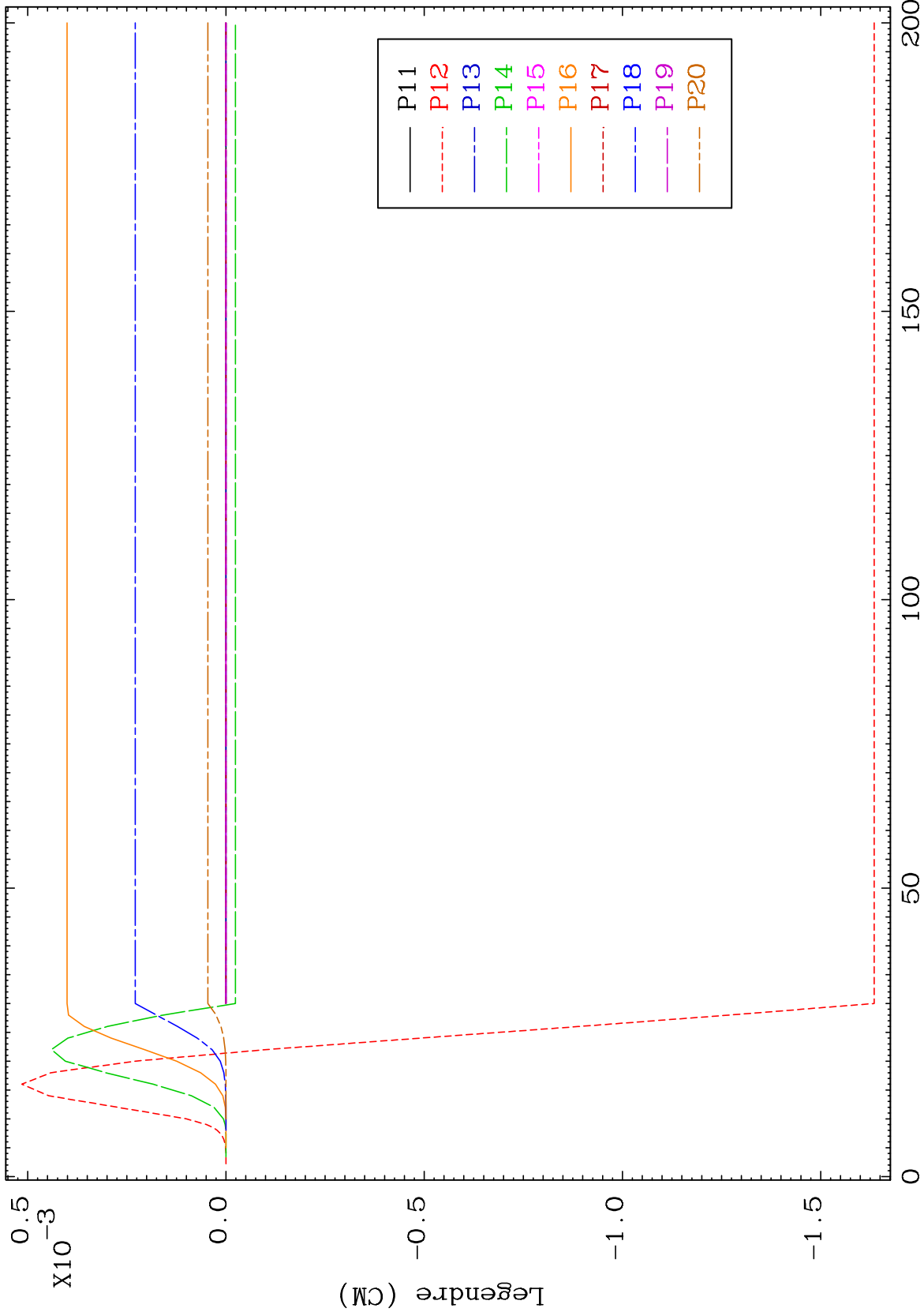




MAT 6849

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

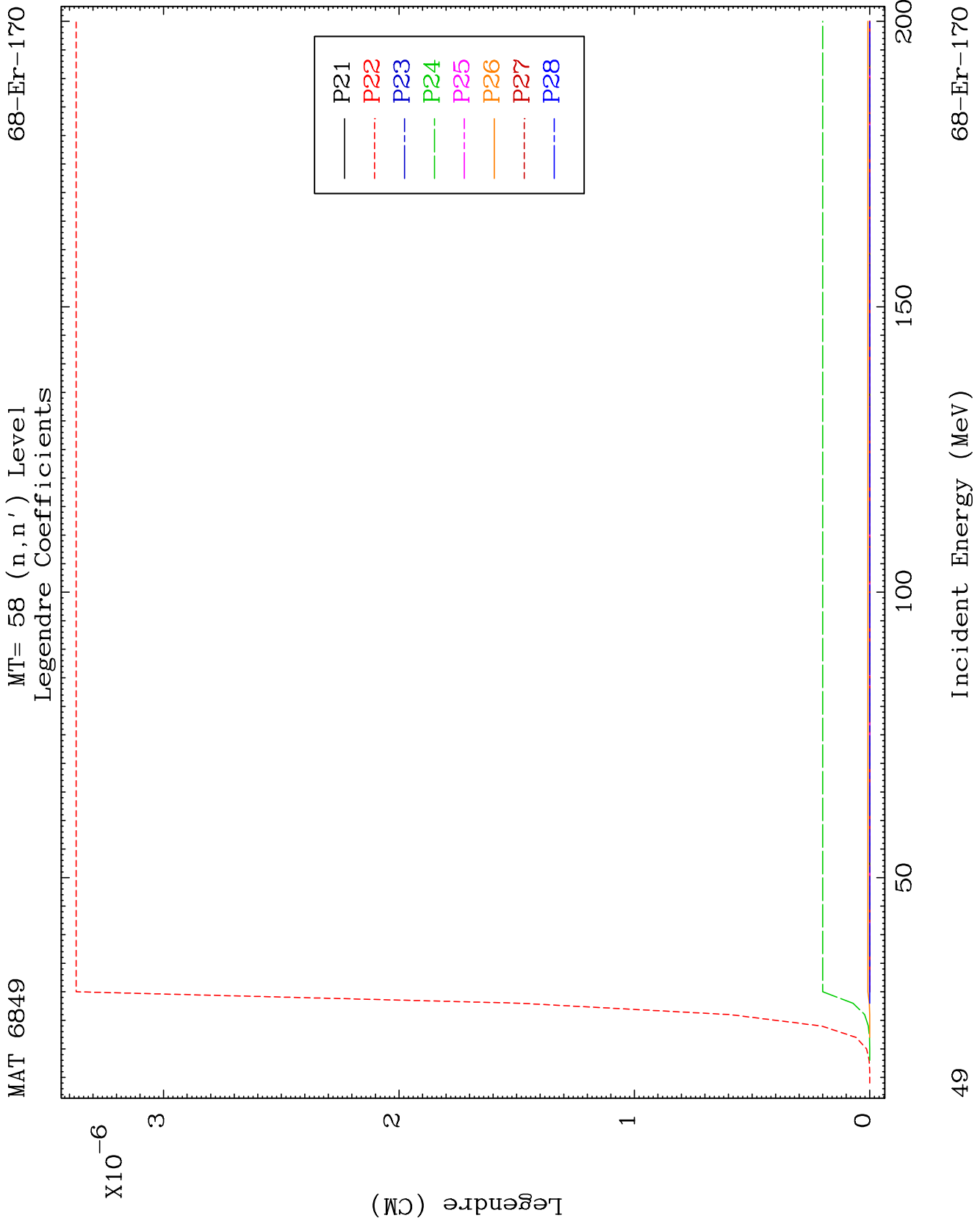
68-Er-170



48

Incident Energy (MeV)

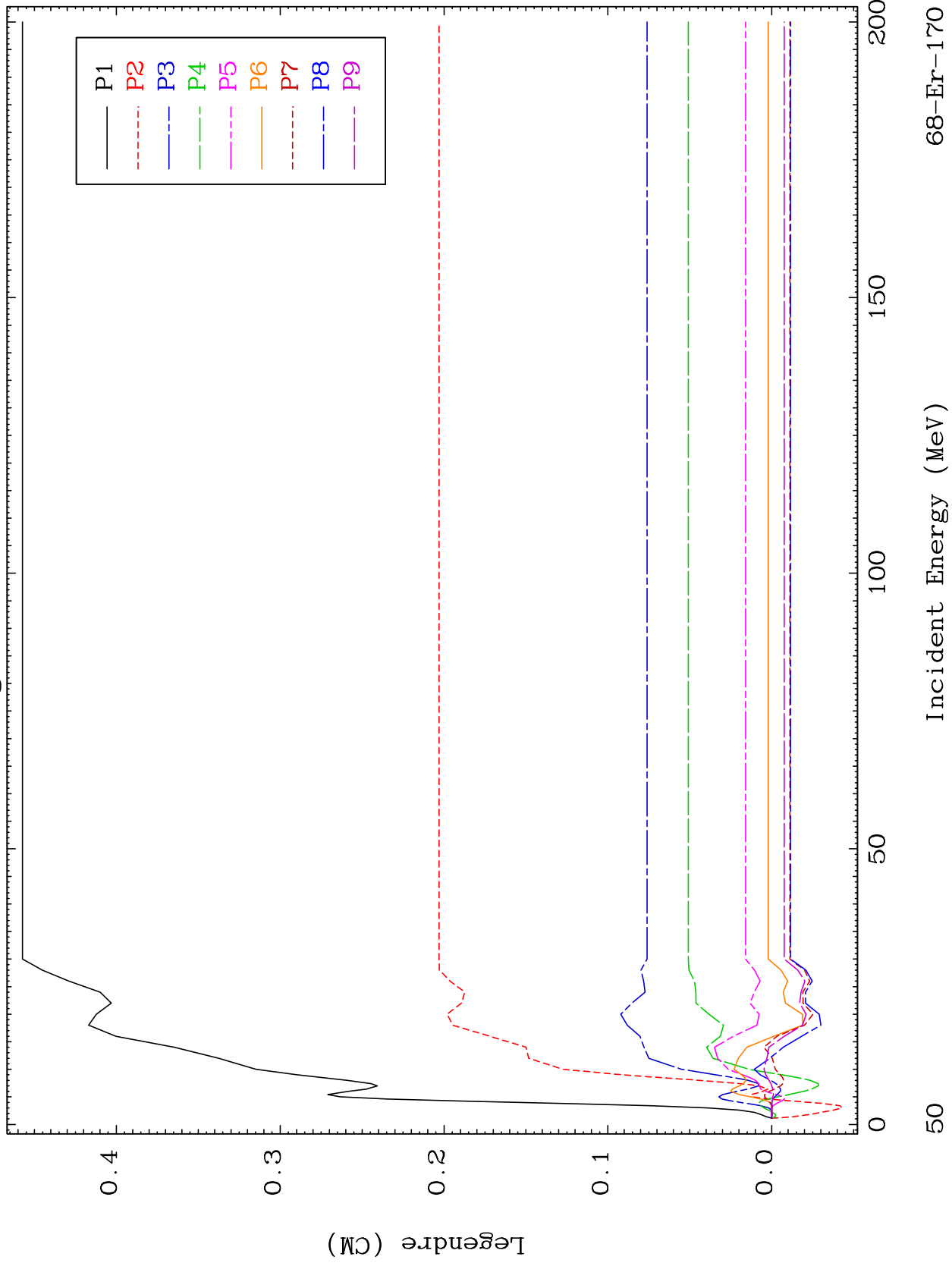
68-Er-170



MAT 6849

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

68-Er-170



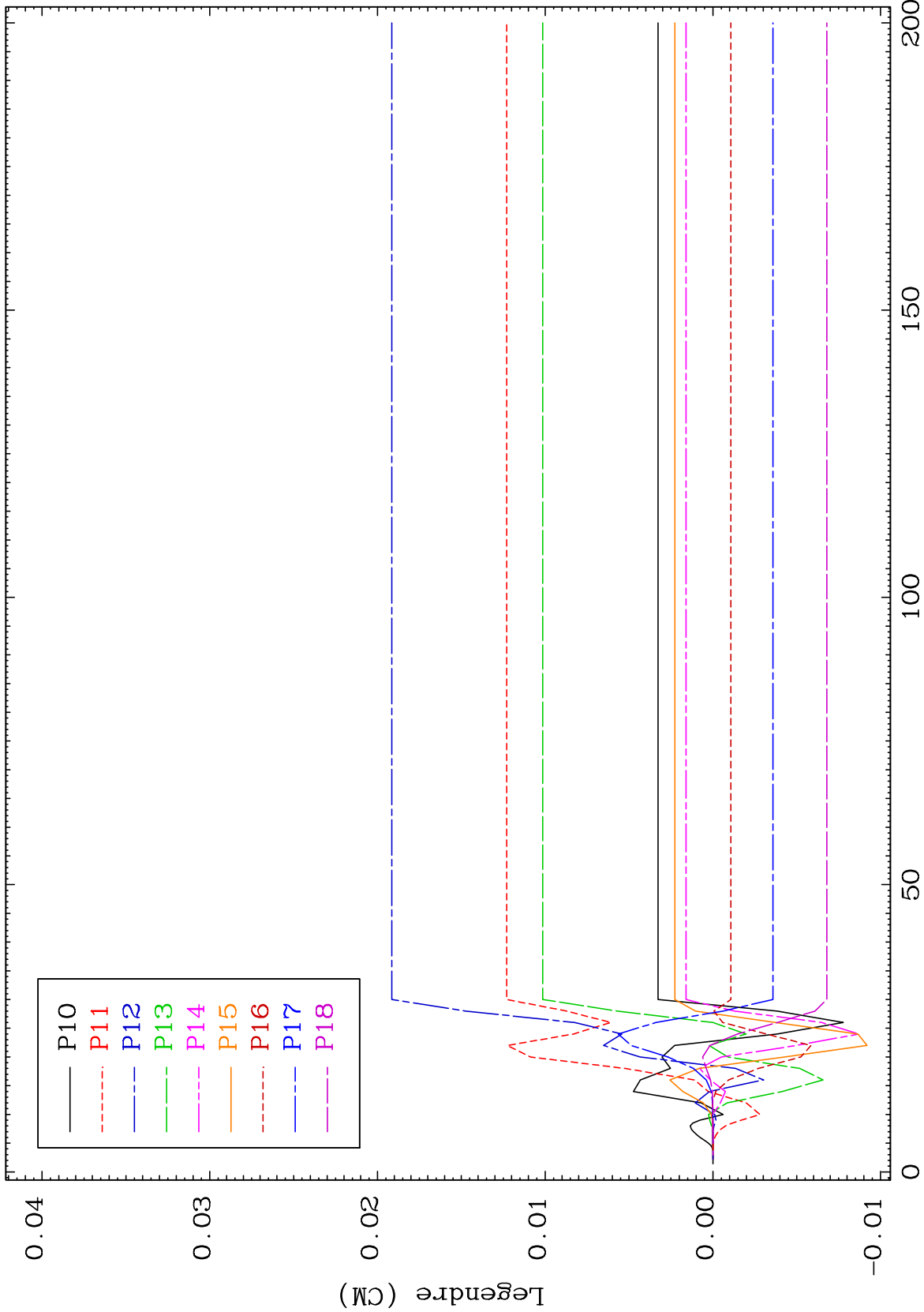
68-Er-170

Incident Energy (MeV)

MAT 6849

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

68-Er-170



51

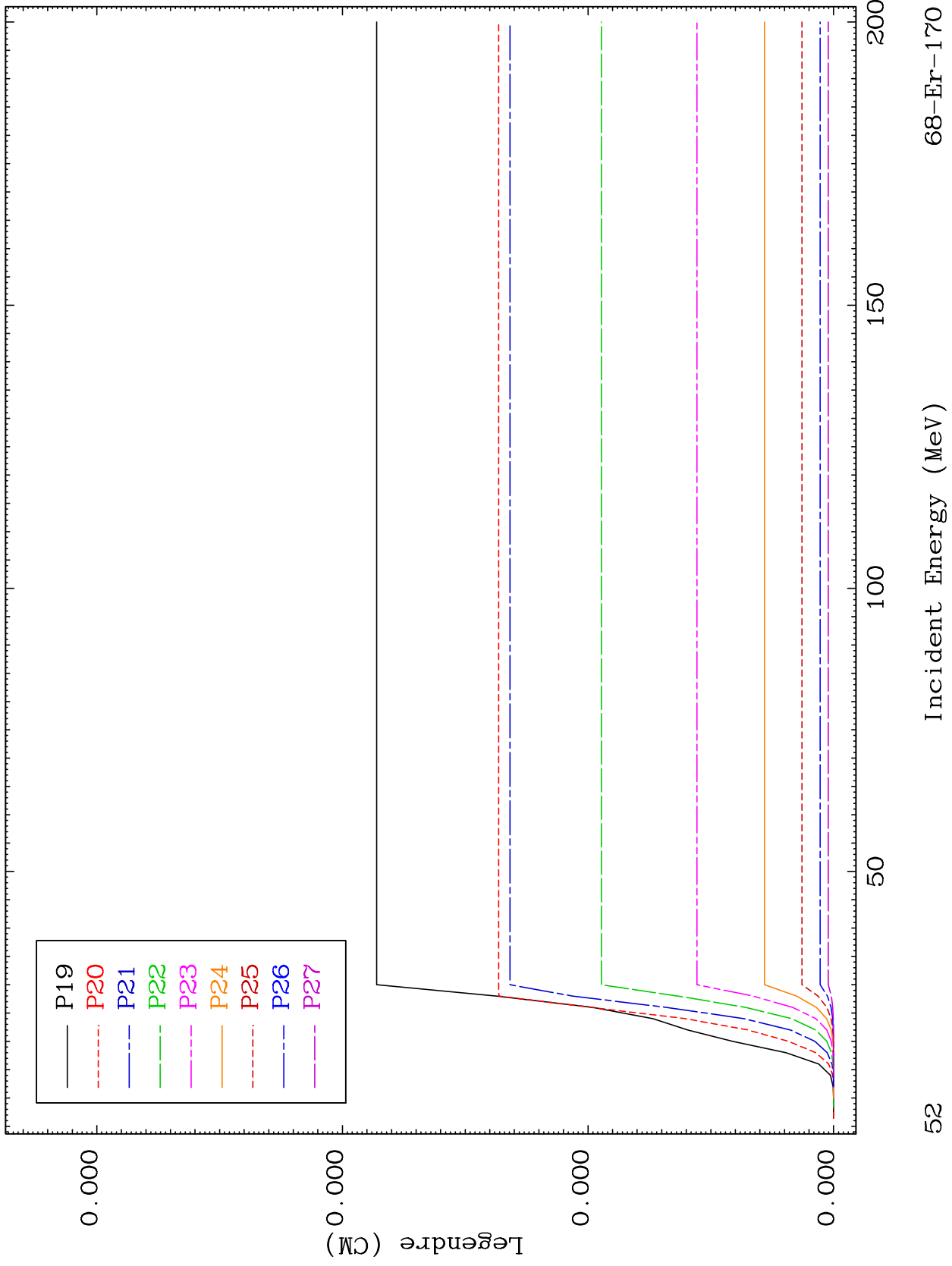
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



52

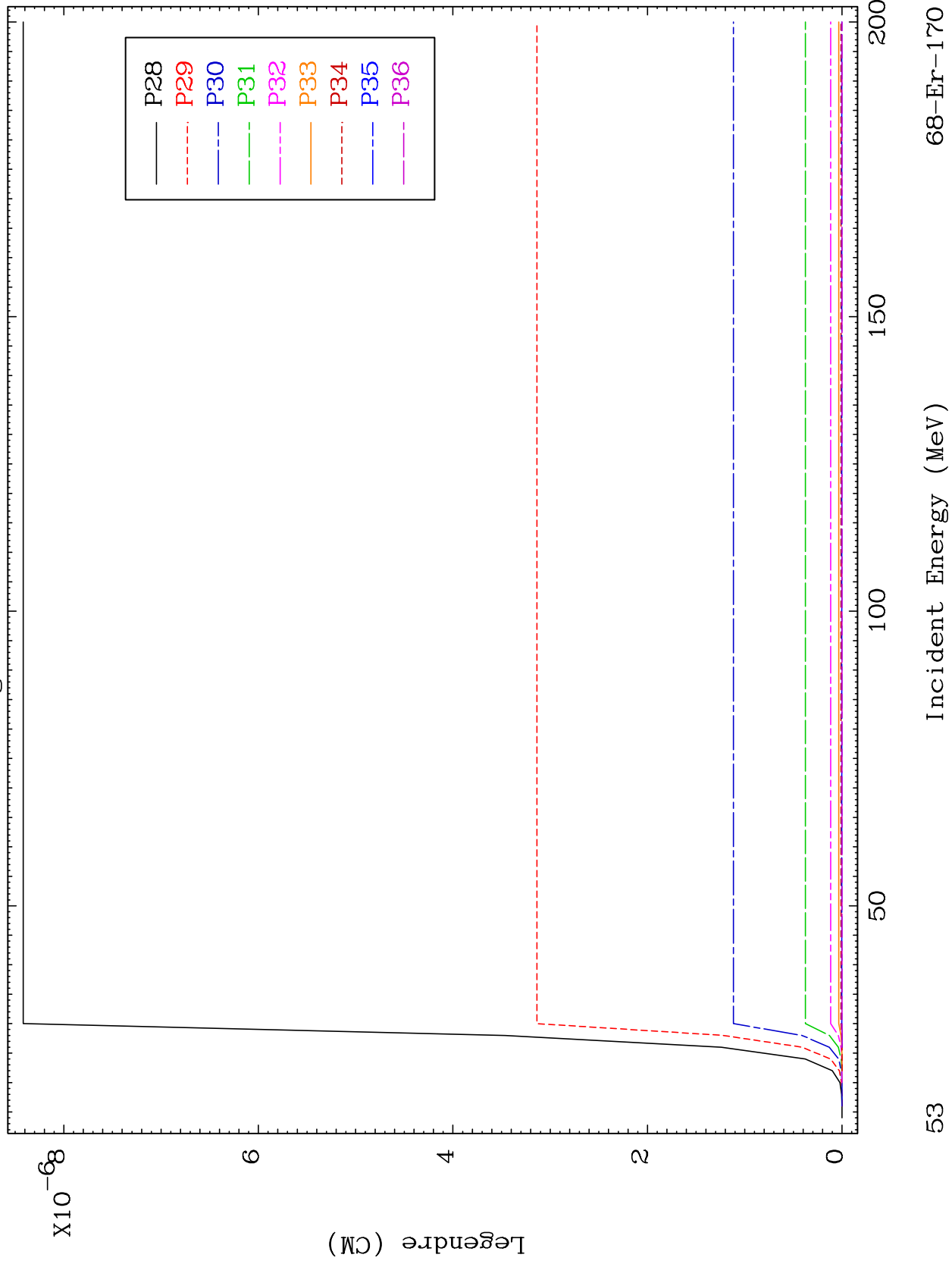
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



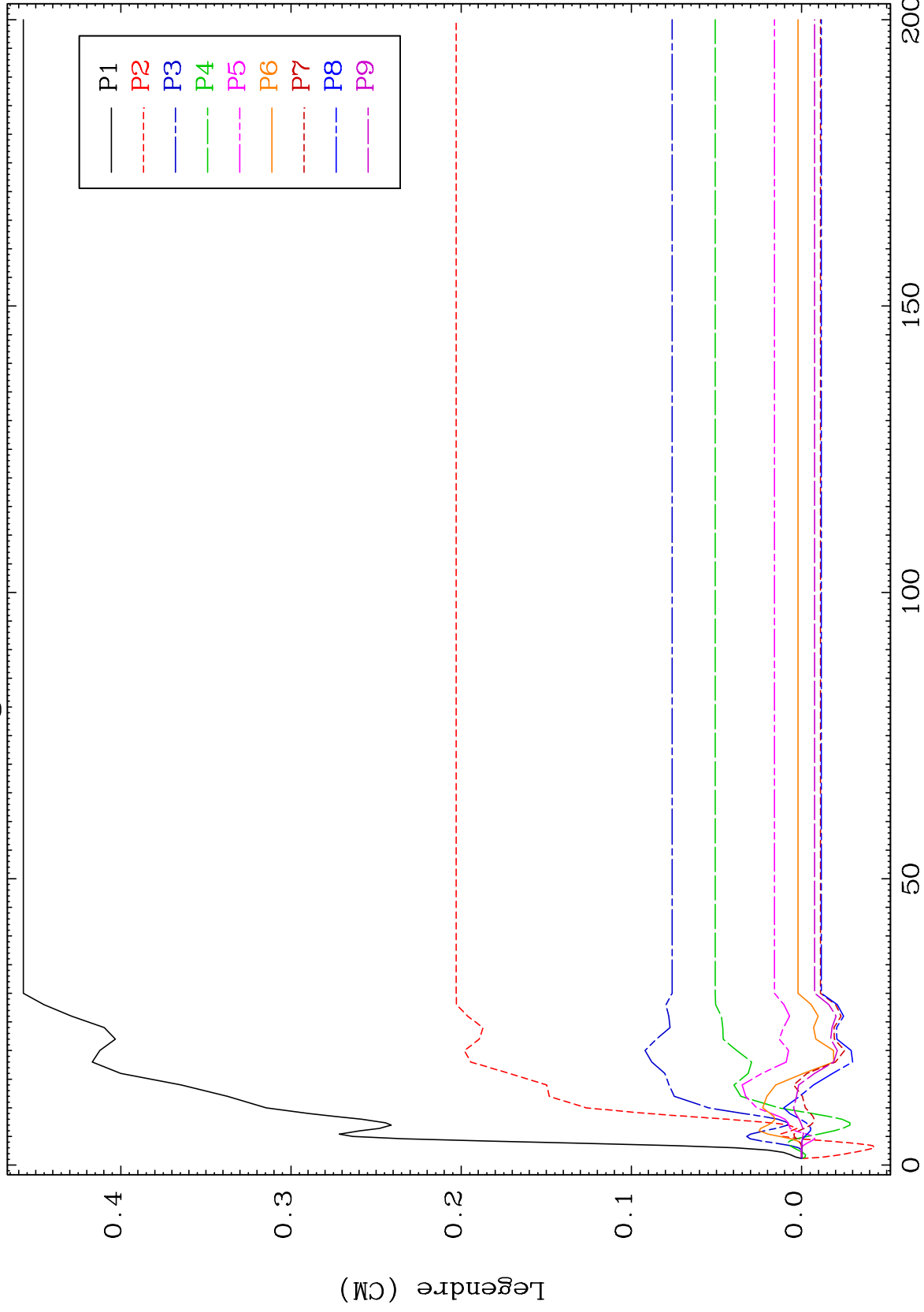
53

68-Er-170

MAT 6849

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

68-Er-170



54

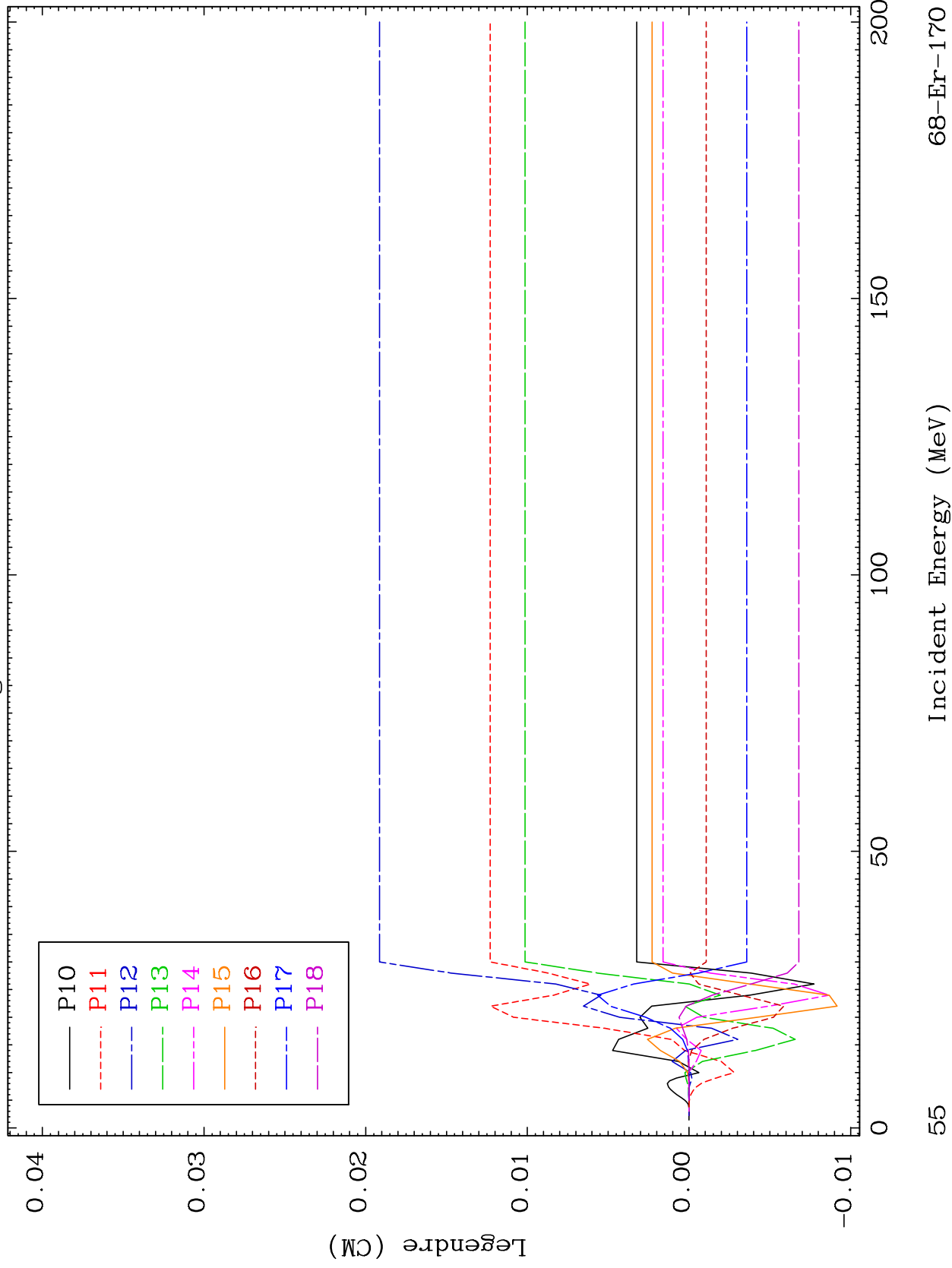
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



68-Er-170

Incident Energy (MeV)

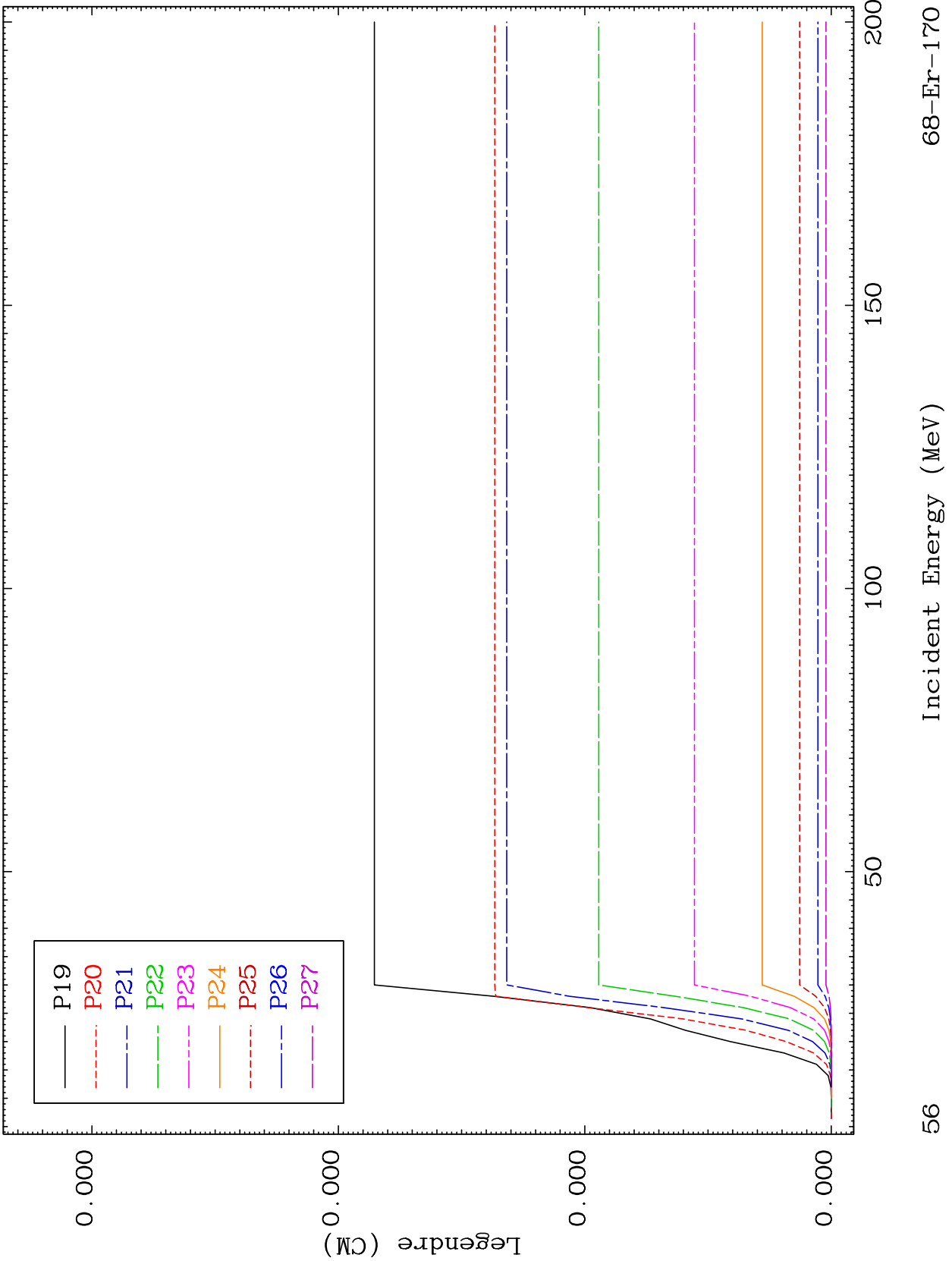
55



MAT 6849

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

68-Er-170



56

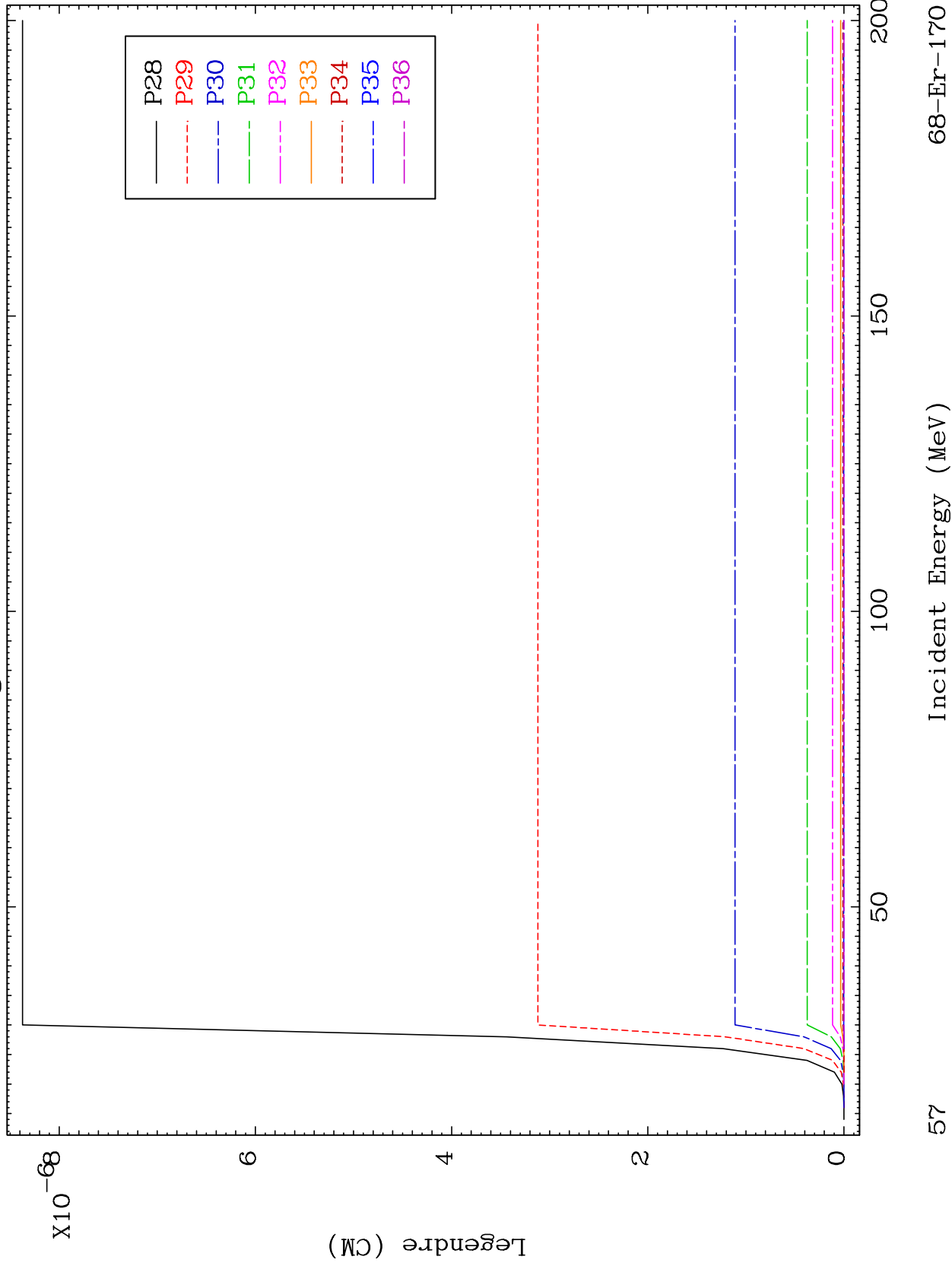
Incident Energy (MeV)

68-Er-170

MAT 6849

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

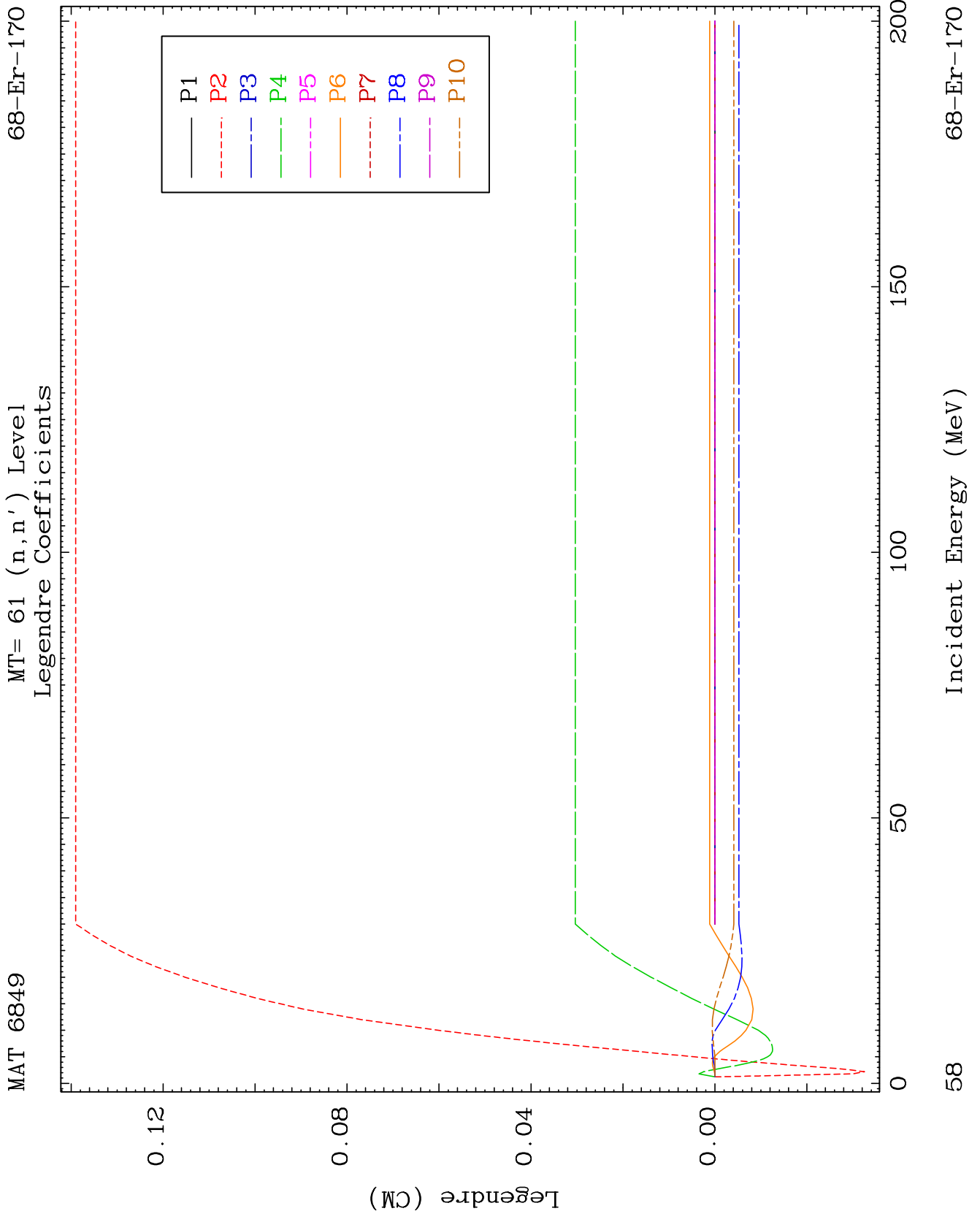
68-Er-170



57

Incident Energy (MeV)

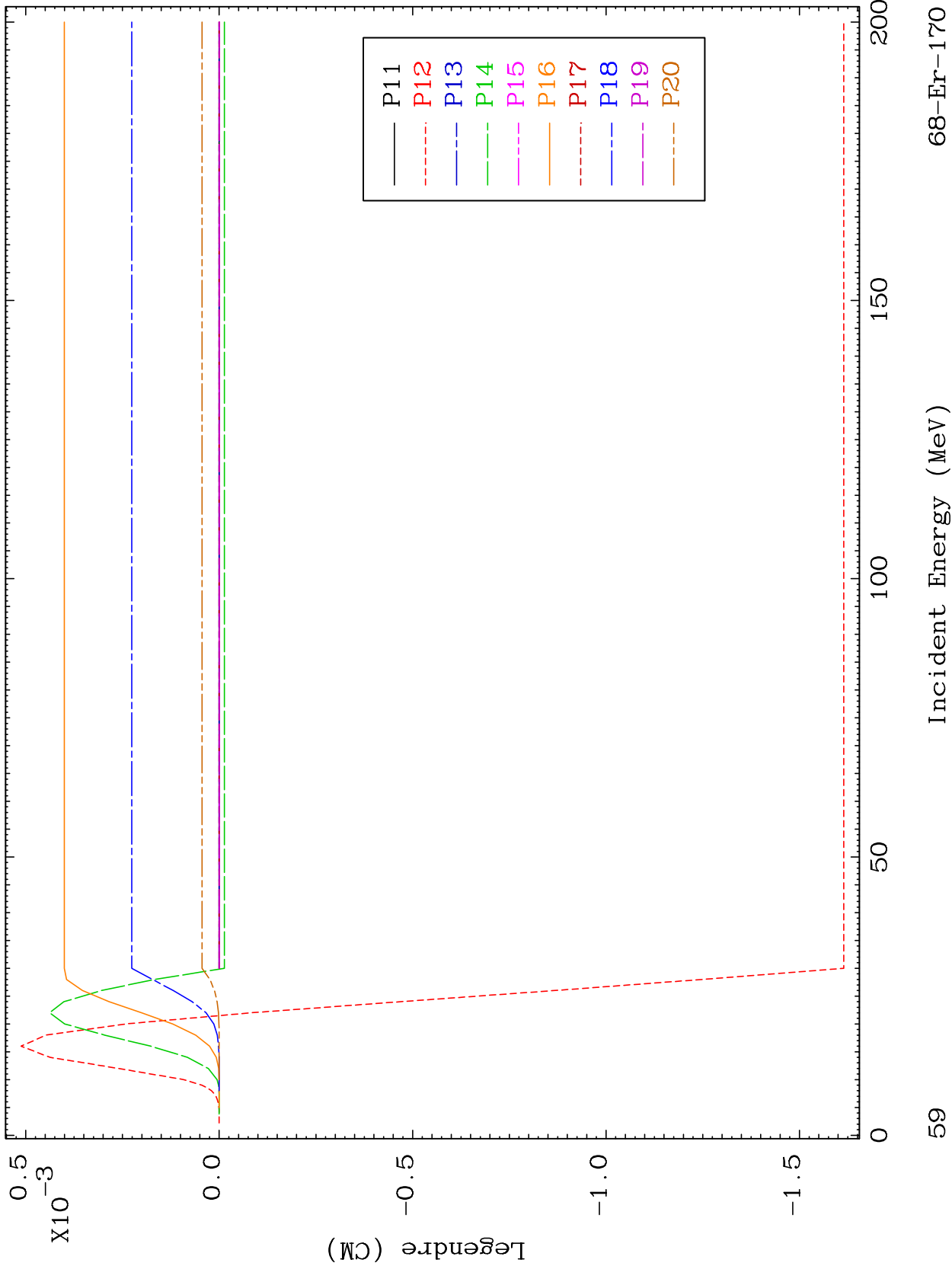
68-Er-170



MAT 6849

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

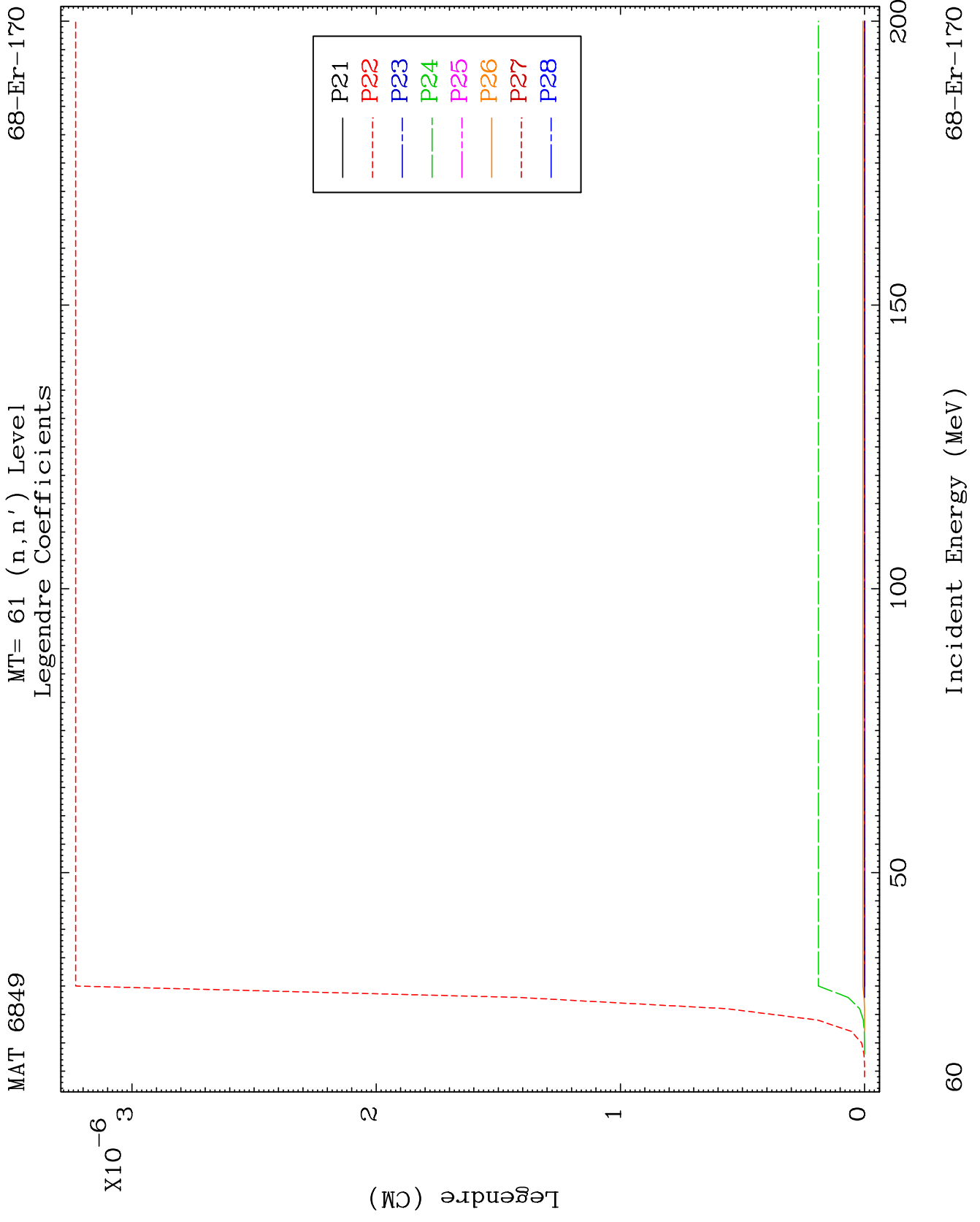
68-Er-170



59

Incident Energy (MeV)

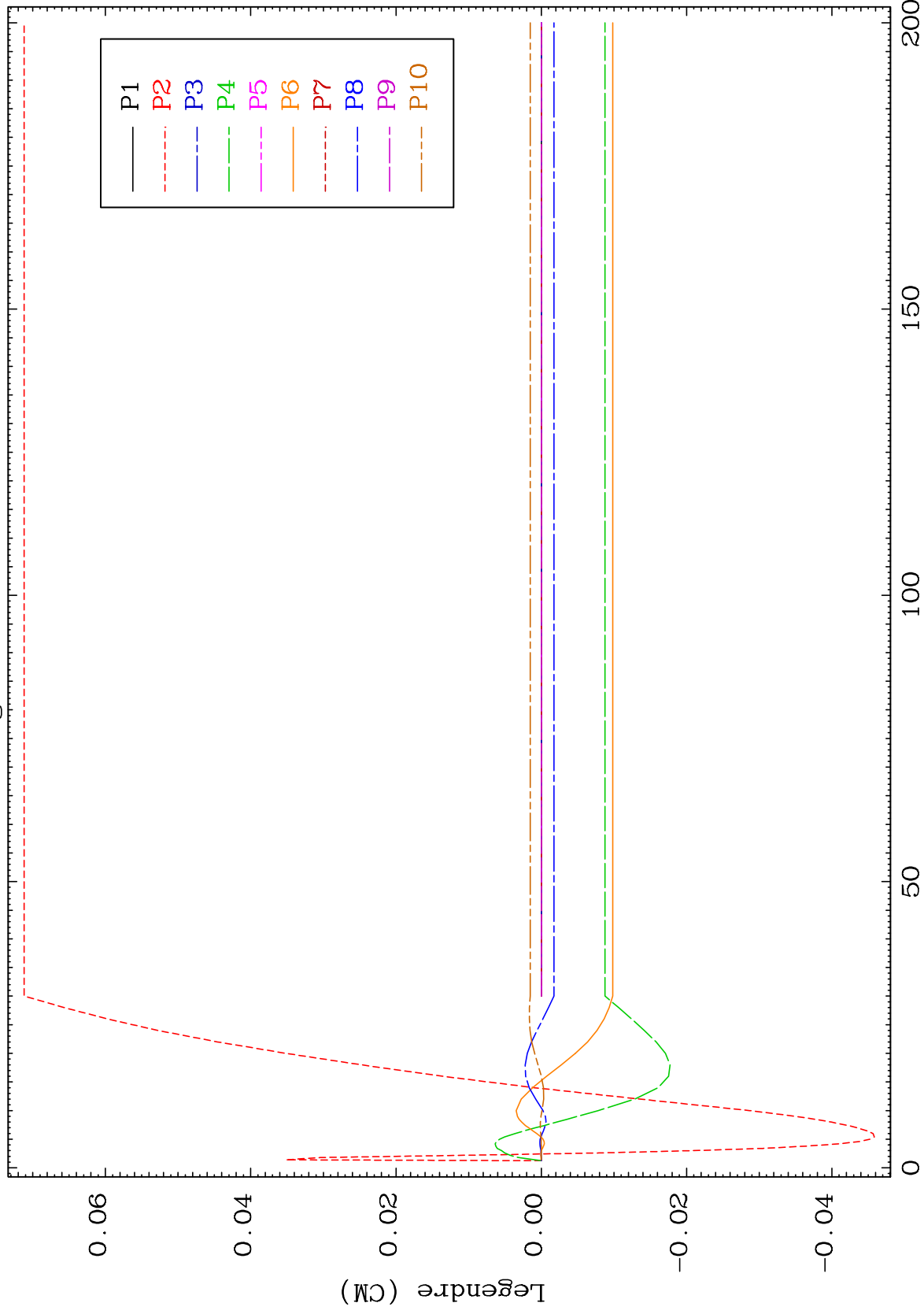
68-Er-170



MAT 6849

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

68-Er-170



61

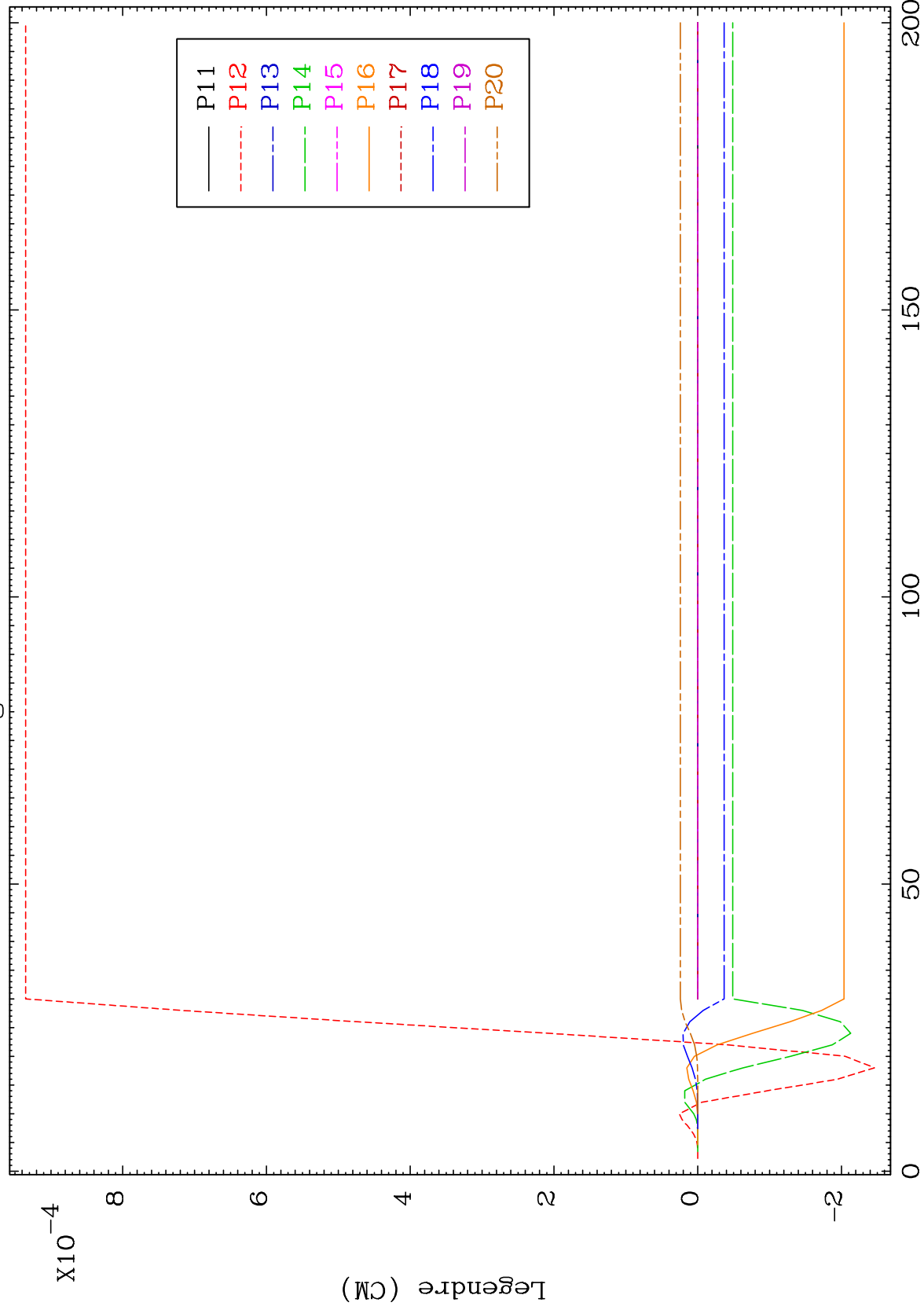
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



62

Incident Energy (MeV)

68-Er-170

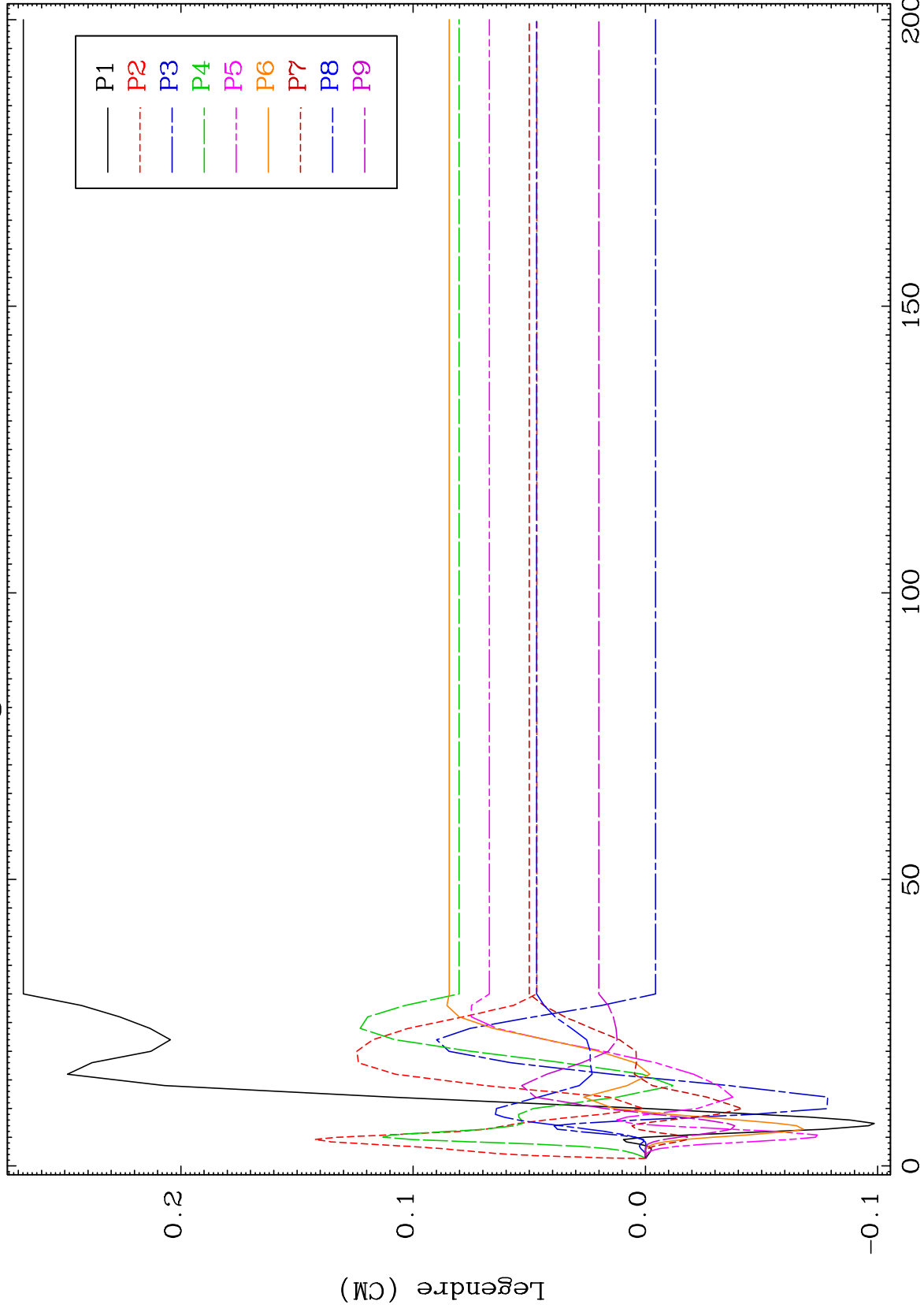




MAT 6849

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

68-Er-170



Incident Energy (MeV)

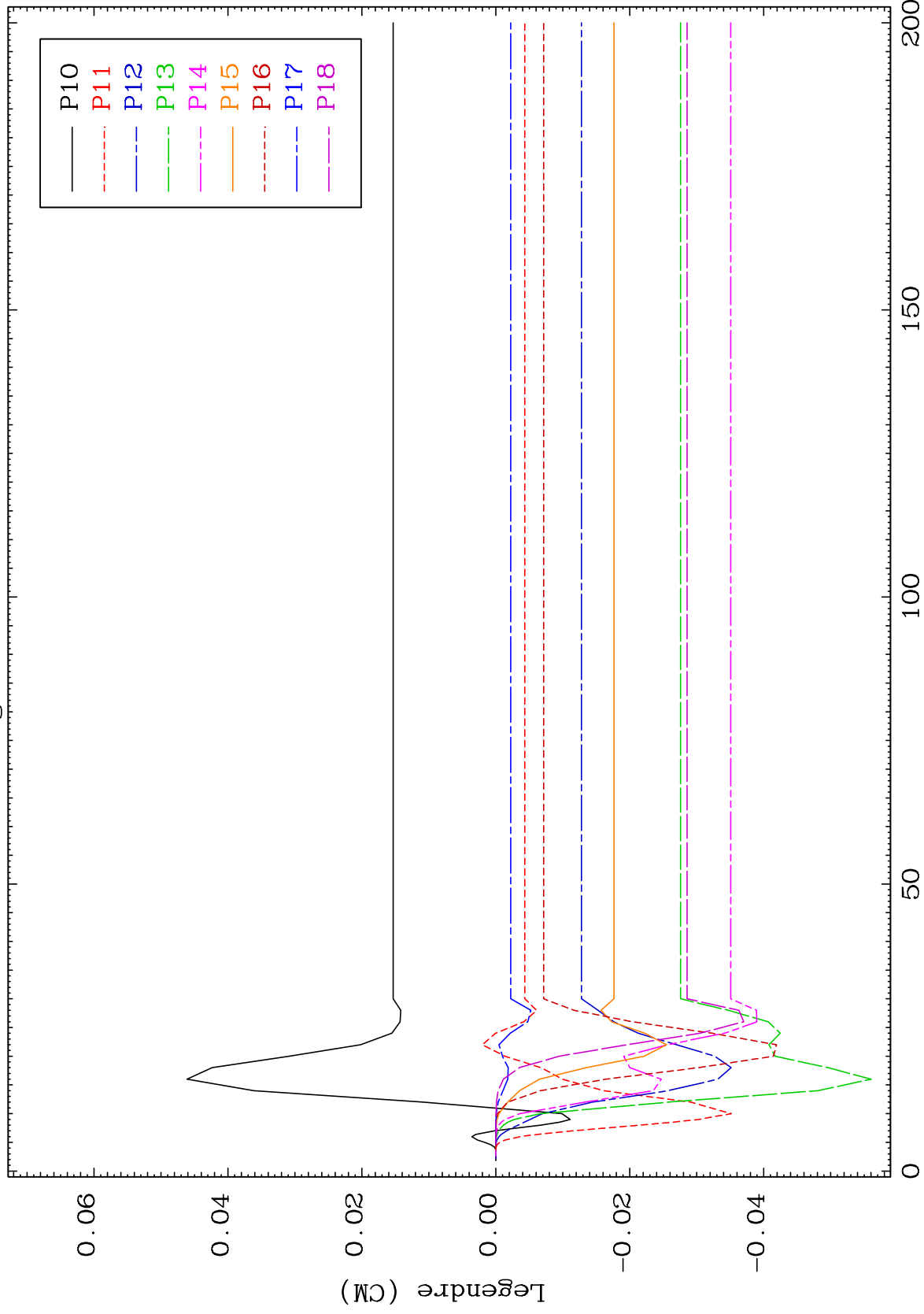
68-Er-170

64

MAT 6849

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

68-Er-170



65

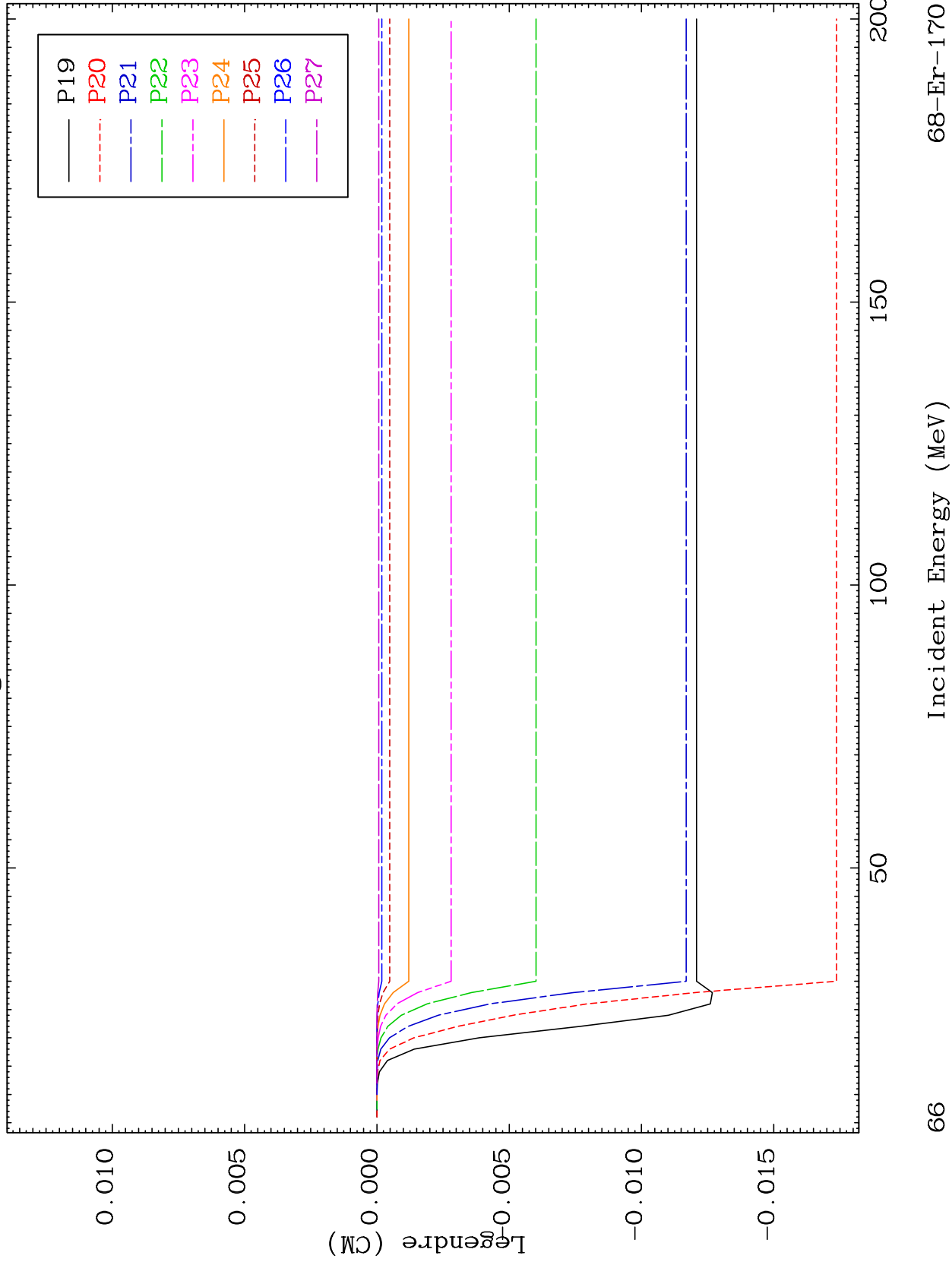
Incident Energy (MeV)

68-Er-170

MAT 6849

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

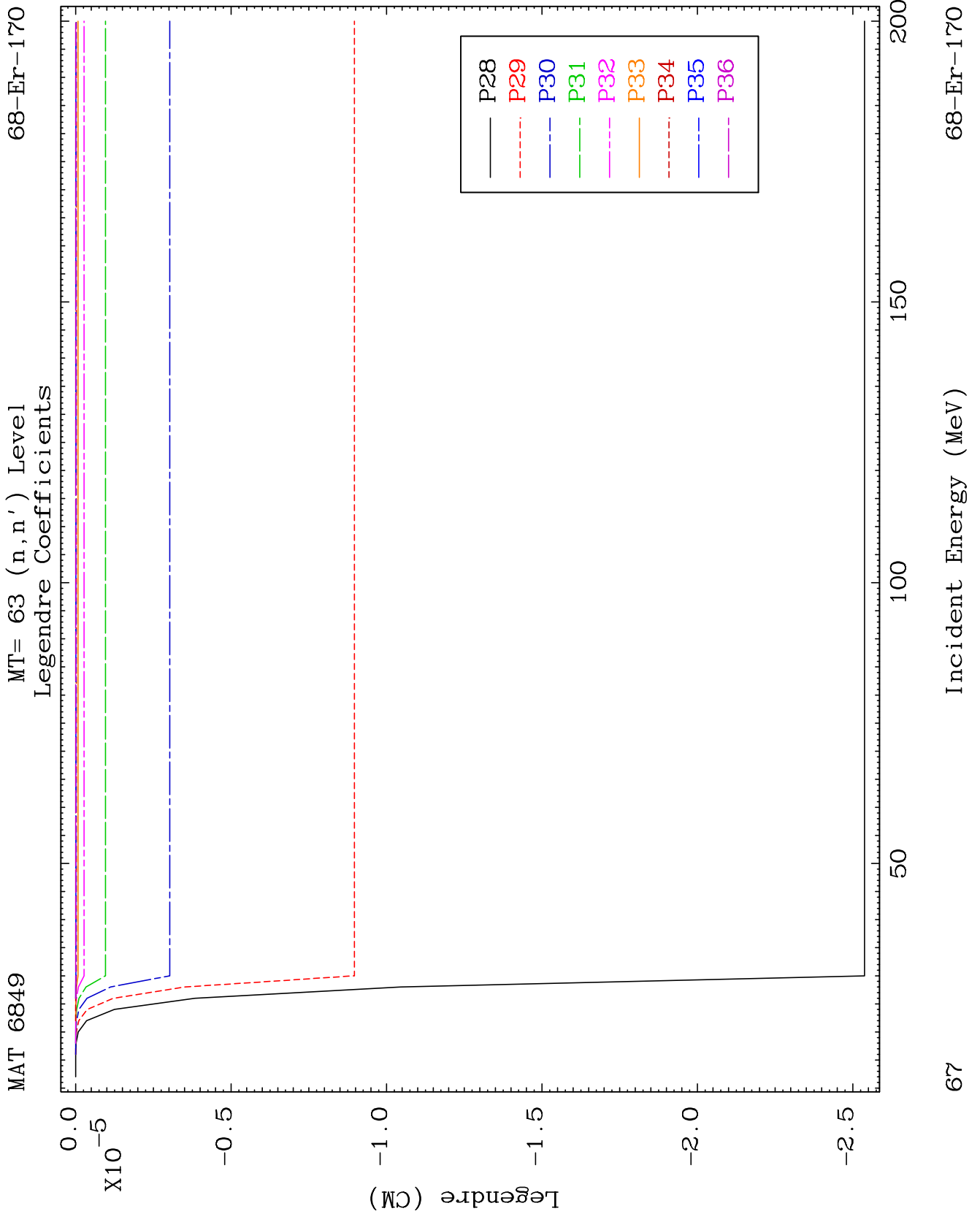
68-Er-170



66

Incident Energy (MeV)

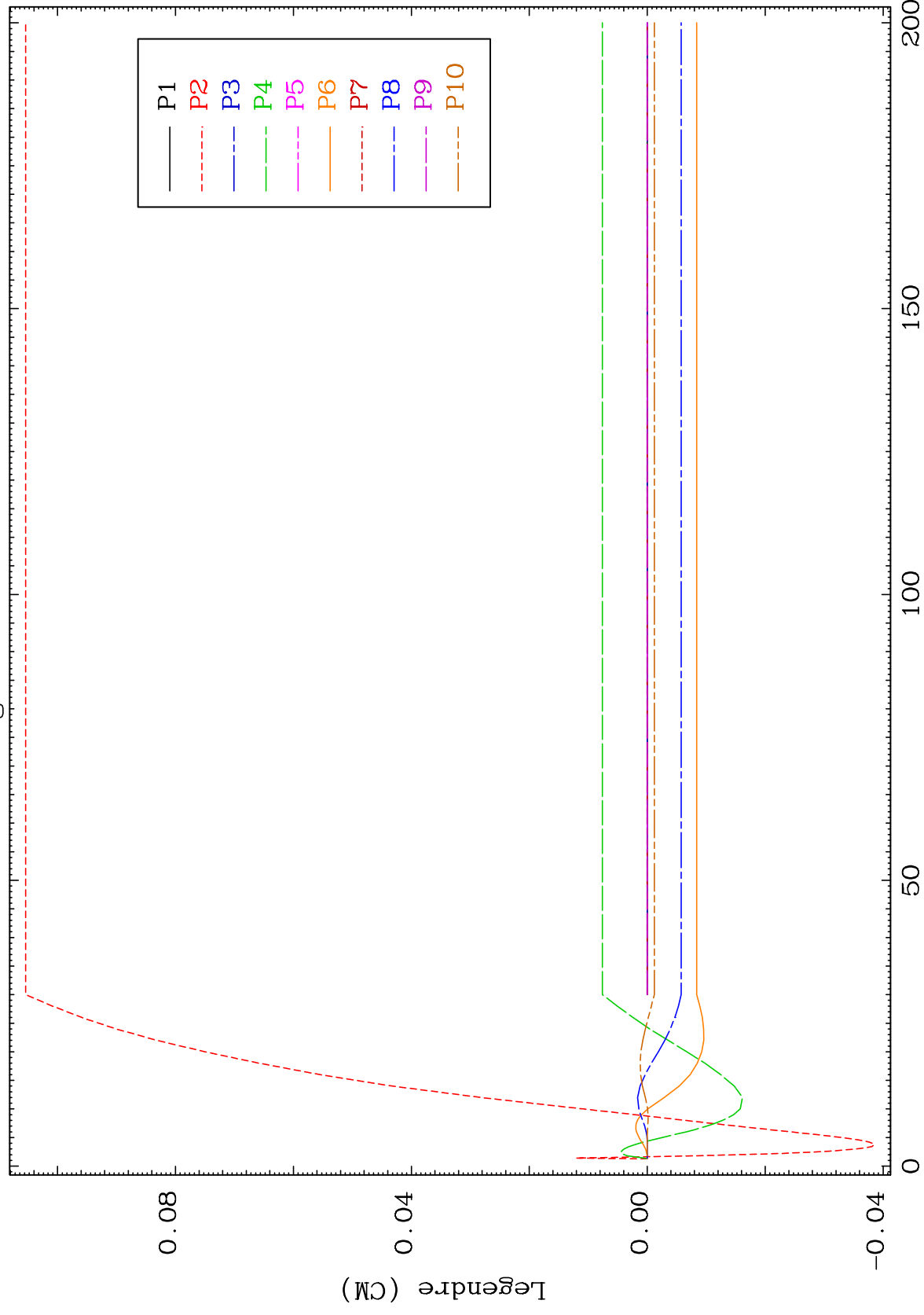
68-Er-170



MAT 6849

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

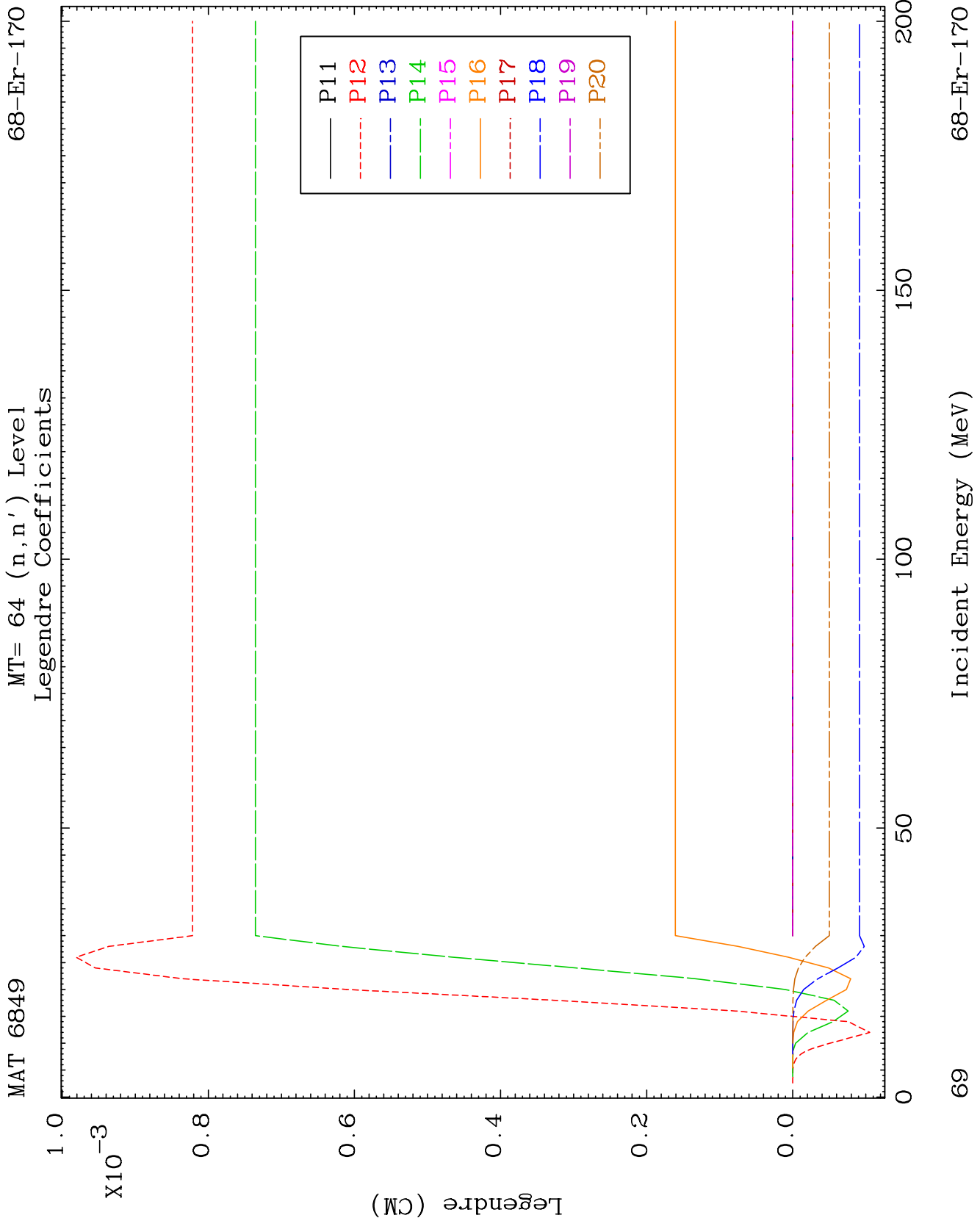
68-Er-170

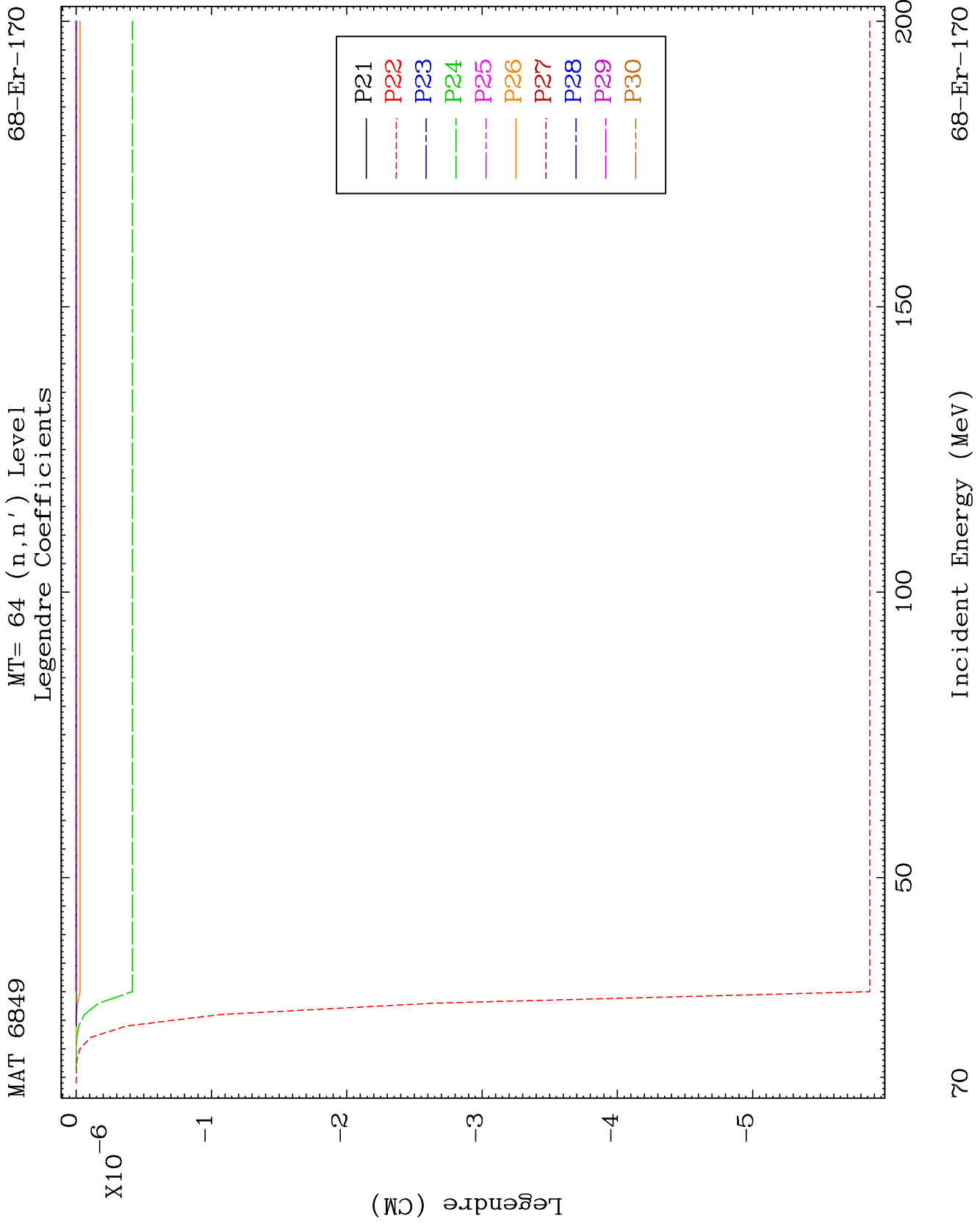


68-Er-170

Incident Energy (MeV)

68

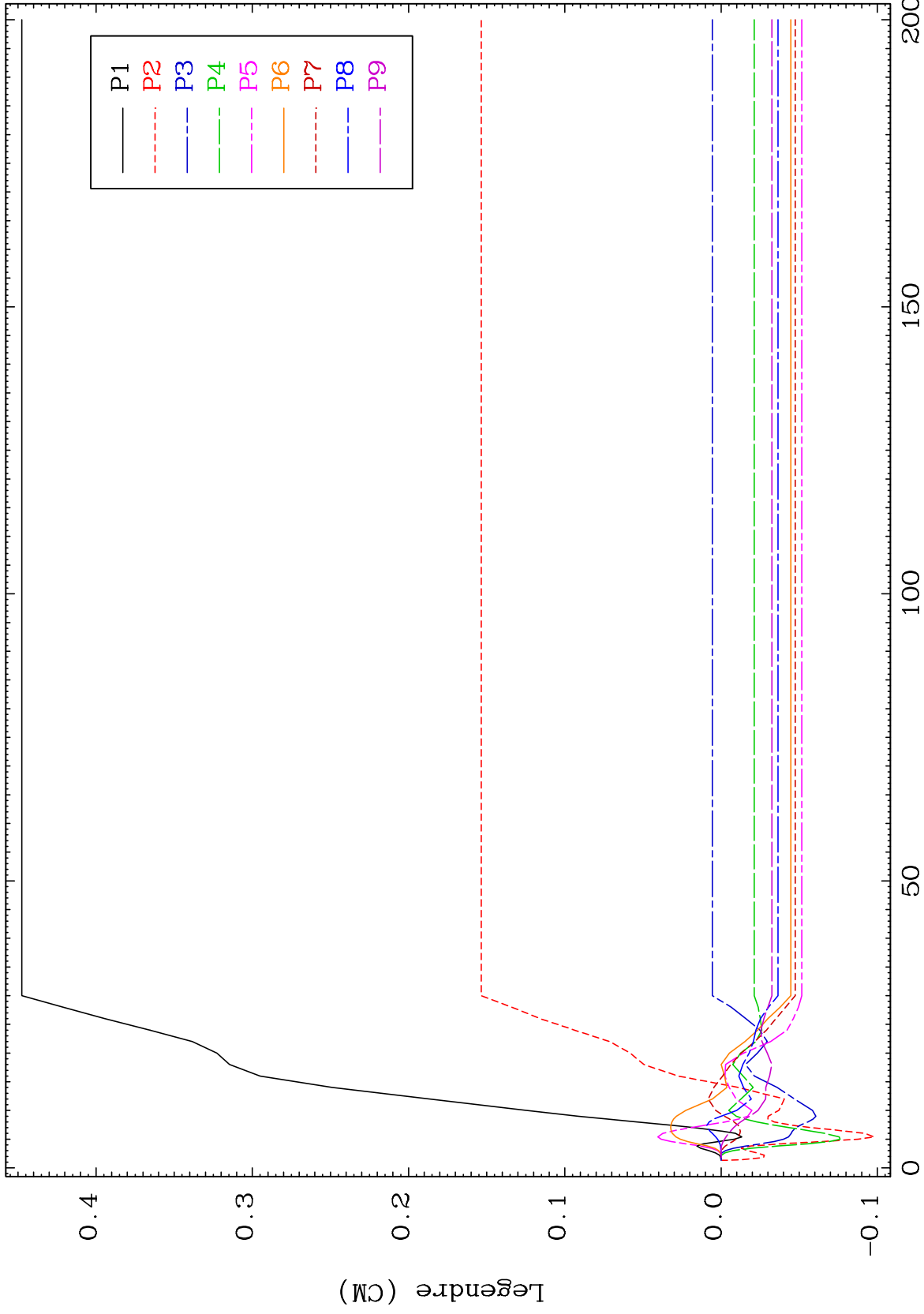




MAT 6849

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

68-Er-170



71

Incident Energy (MeV)

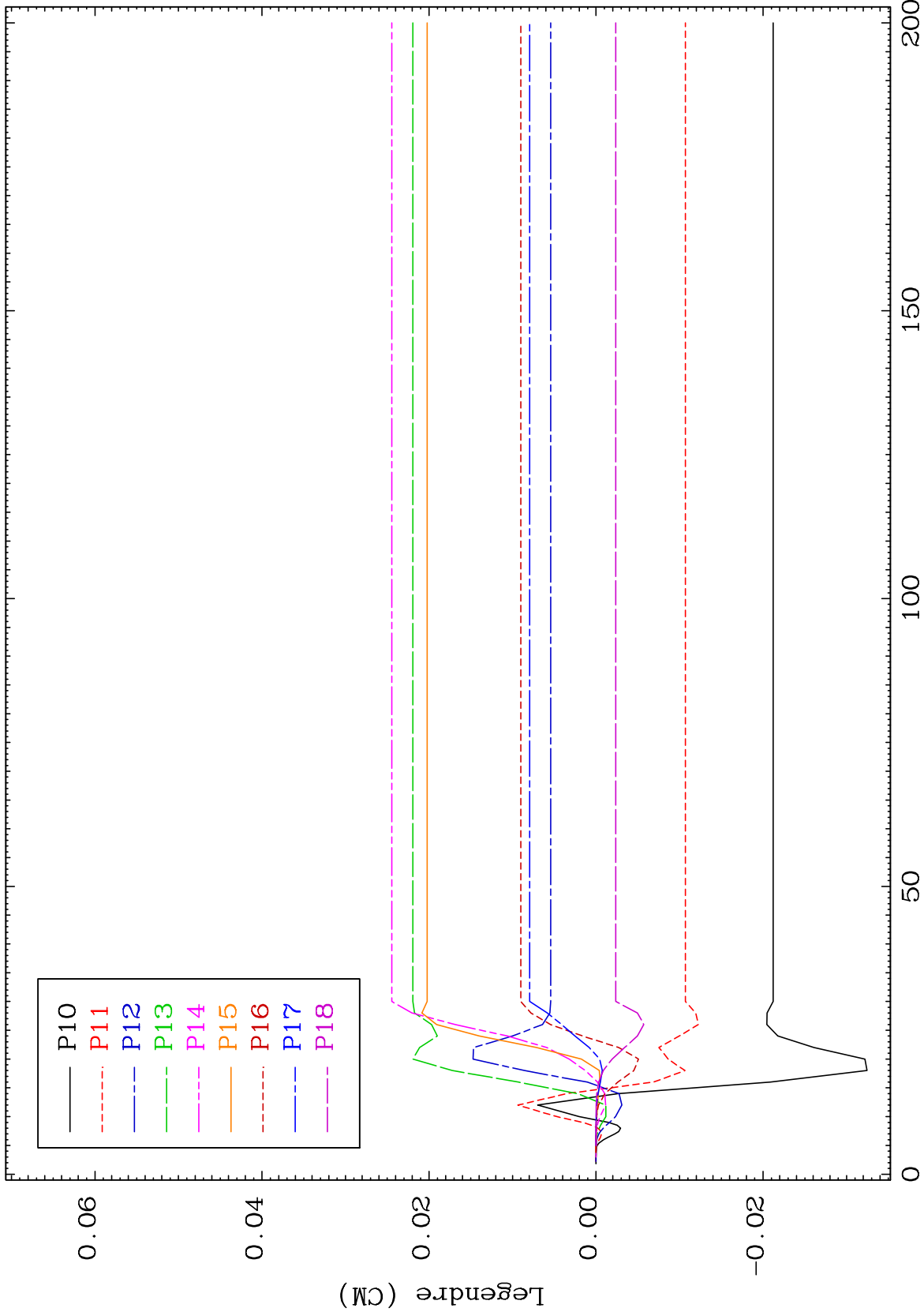
68-Er-170



MAT 6849

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

68-Er-170



72

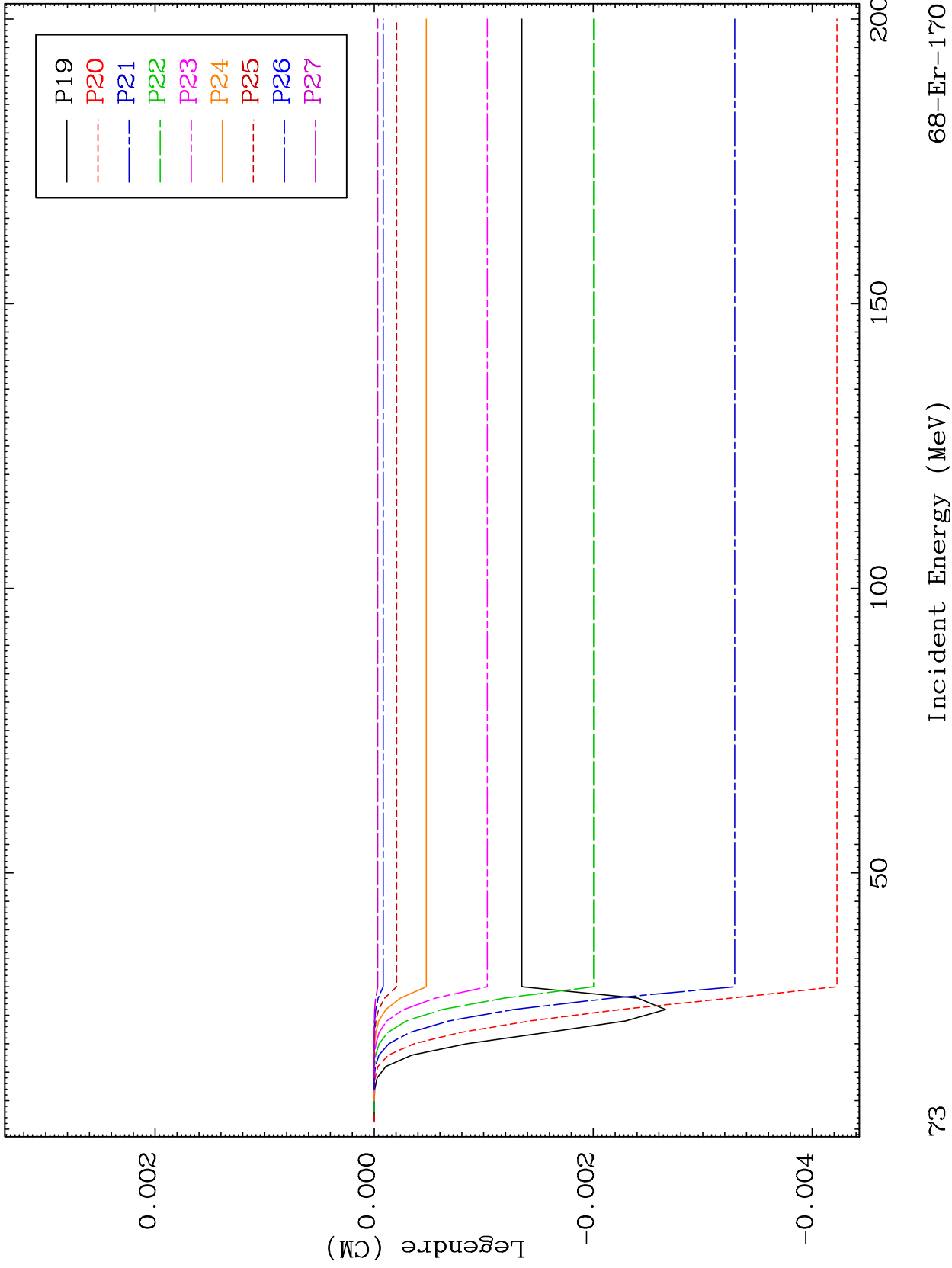
Incident Energy (MeV)

68-Er-170

MAT 6849

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

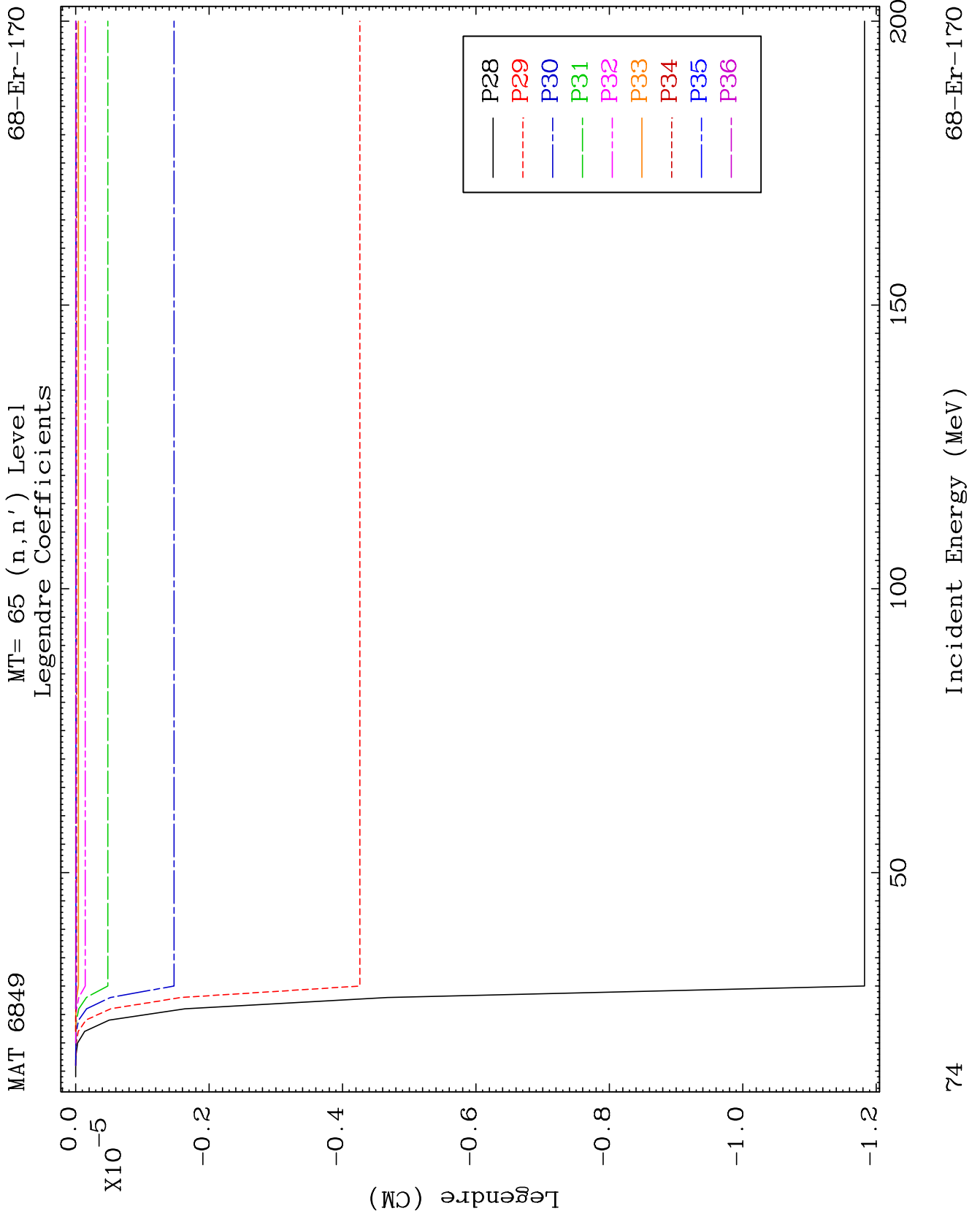
68-Er-170



73

Incident Energy (MeV)

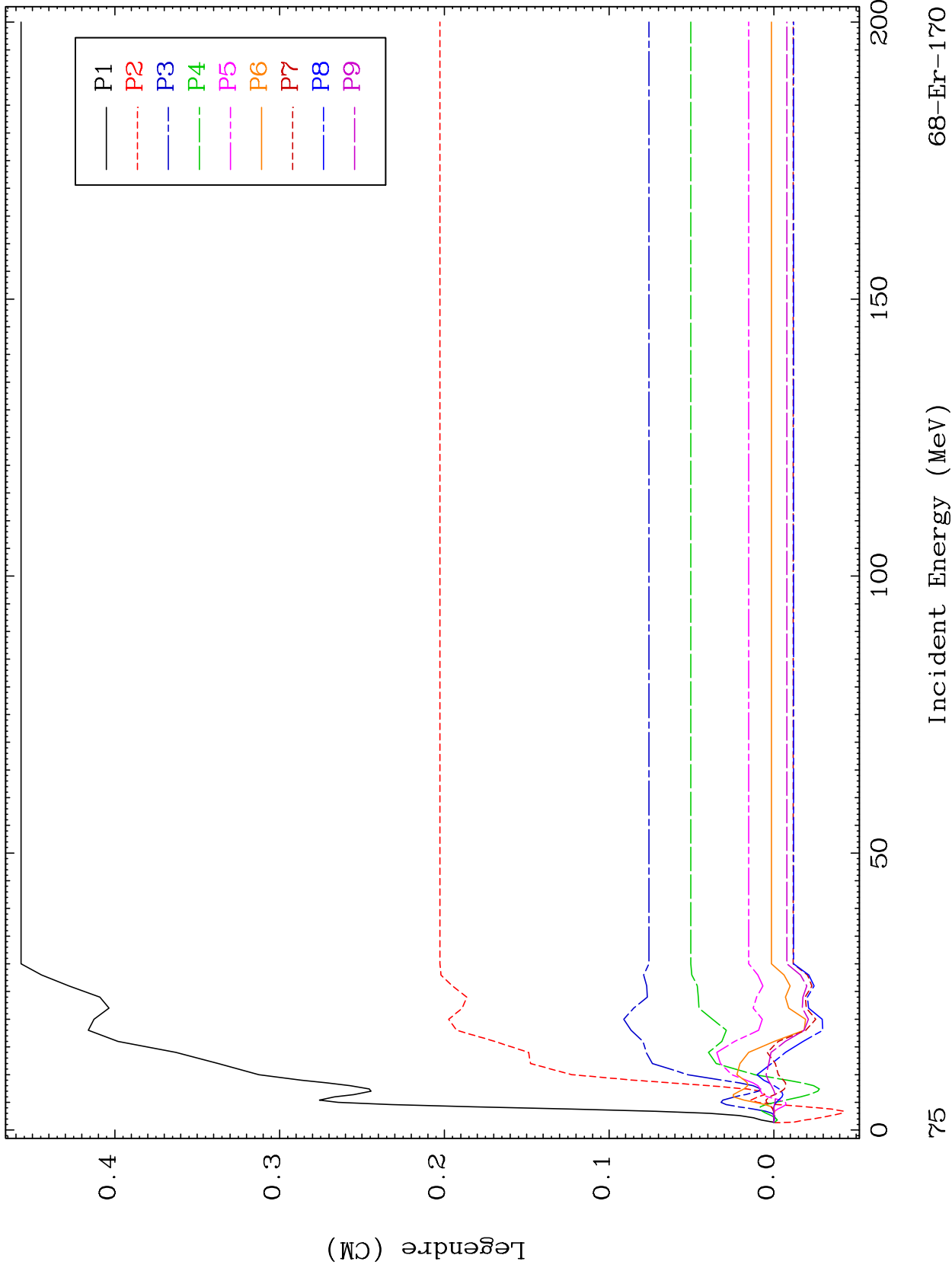
68-Er-170



MAT 6849

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

68-Er-170



68-Er-170

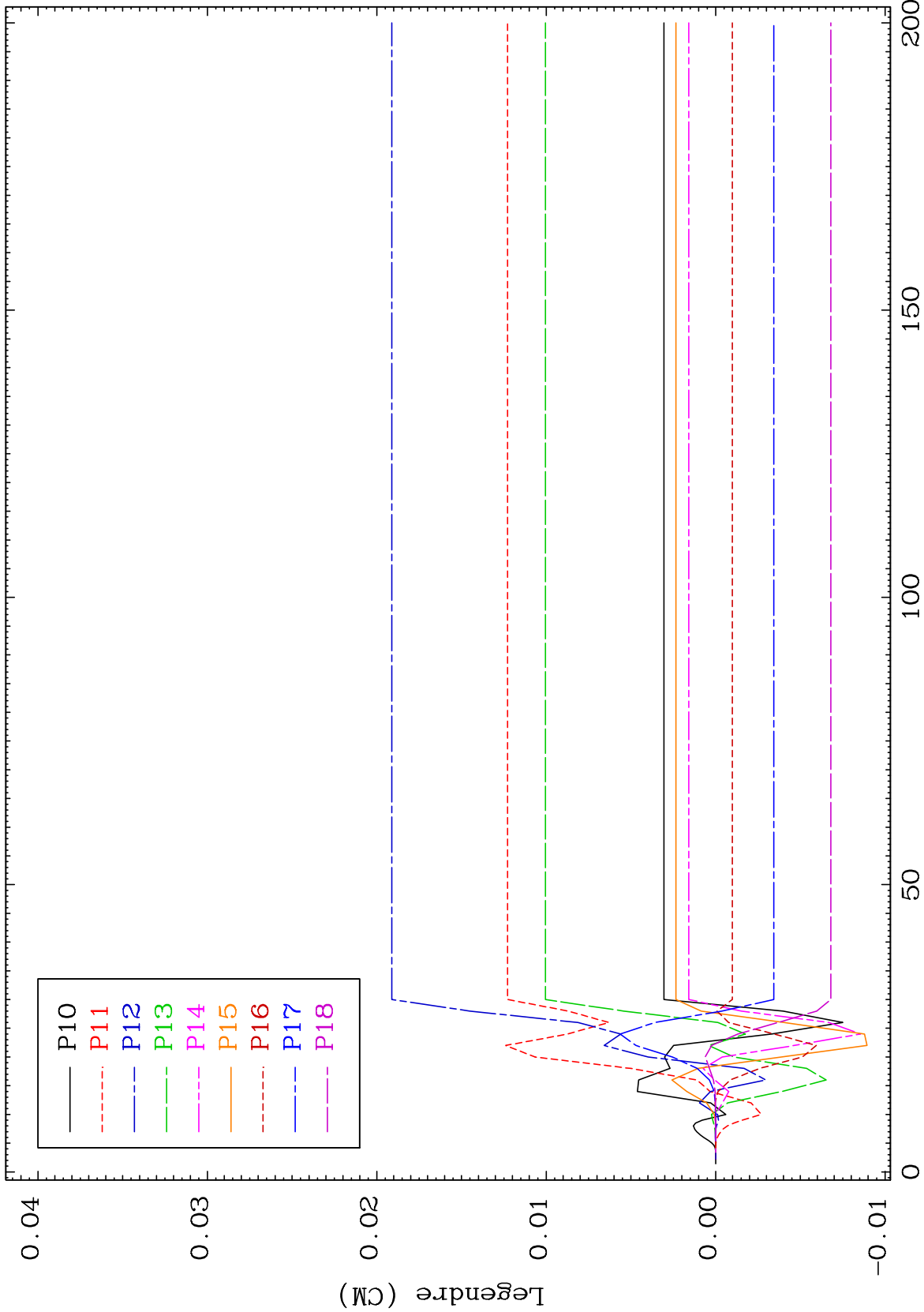
Incident Energy (MeV)

75

MAT 6849

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

68-Er-170



76

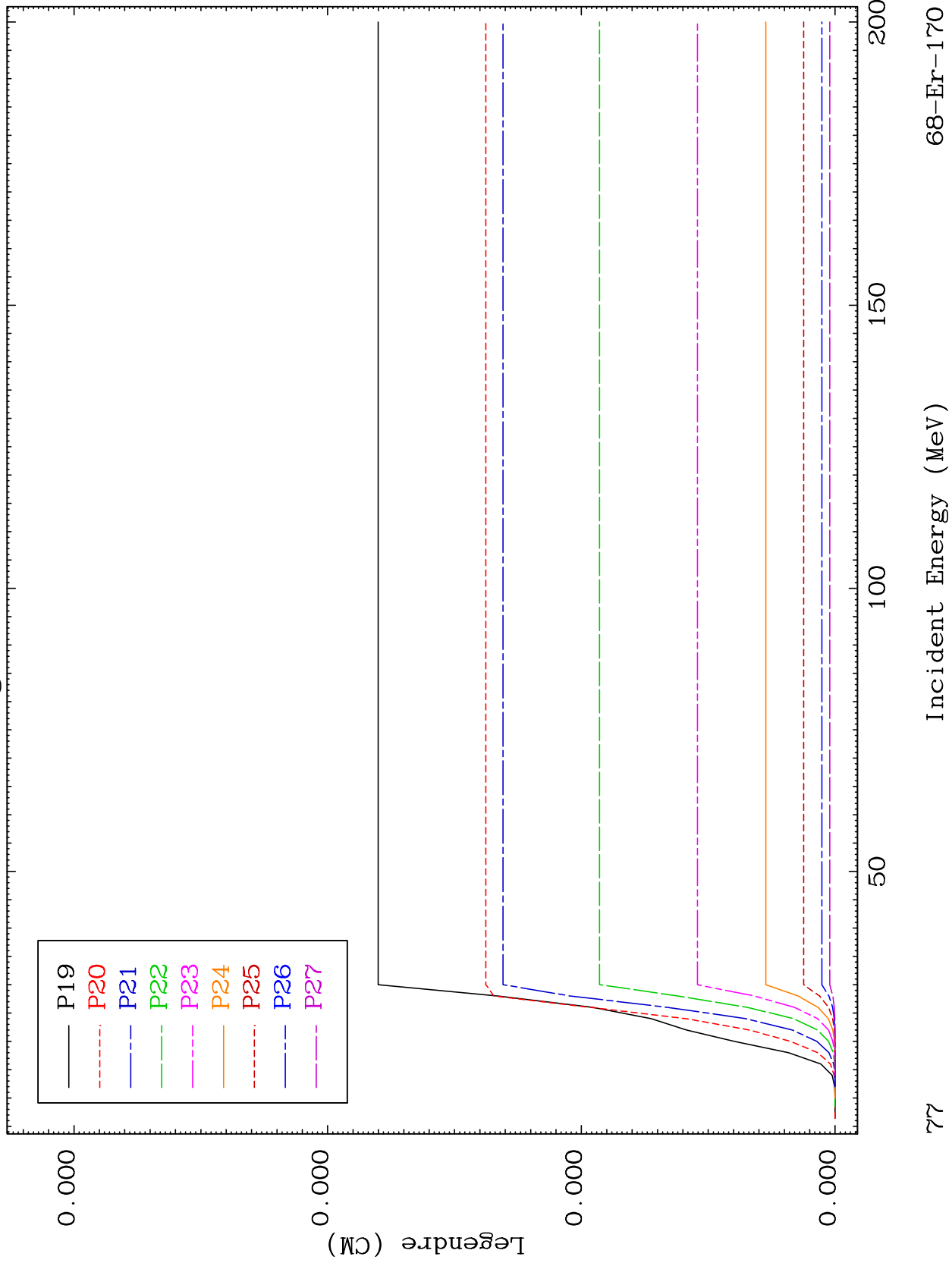
Incident Energy (MeV)

68-Er-170

MAT 6849

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

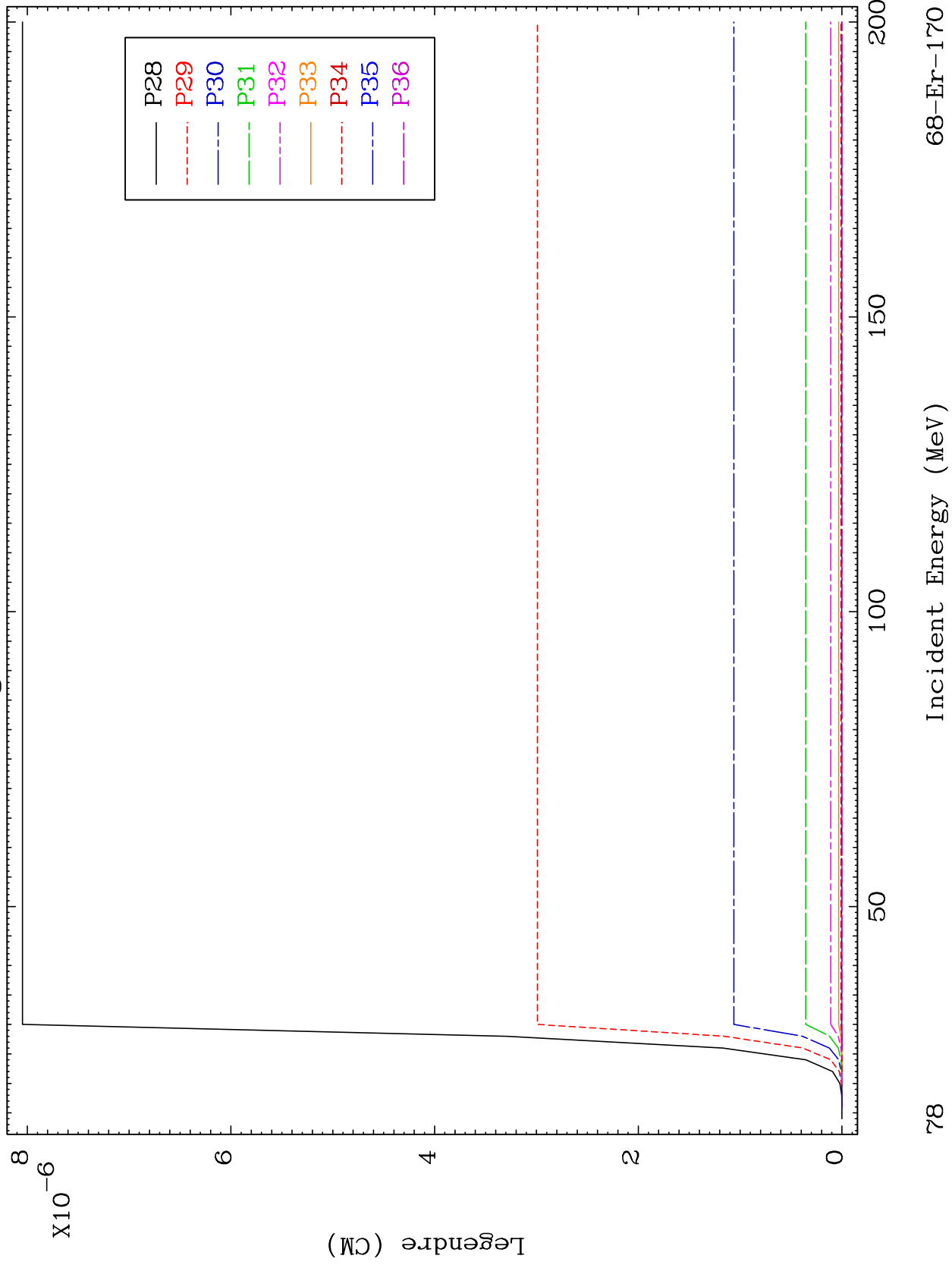
68-Er-170



MAT 6849

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

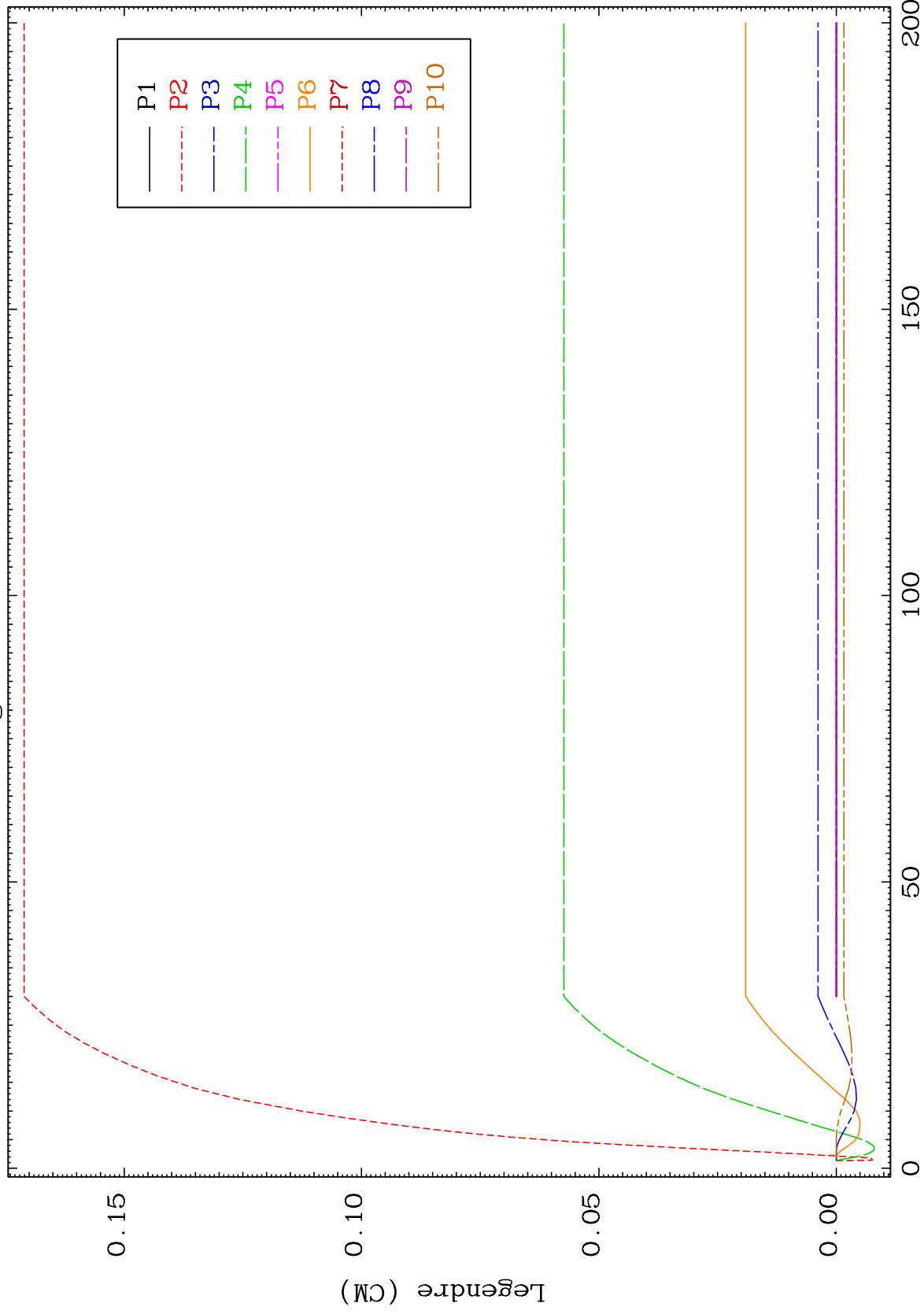
68-Er-170



MAT 6849

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

68-Er-170



79

Incident Energy (MeV)

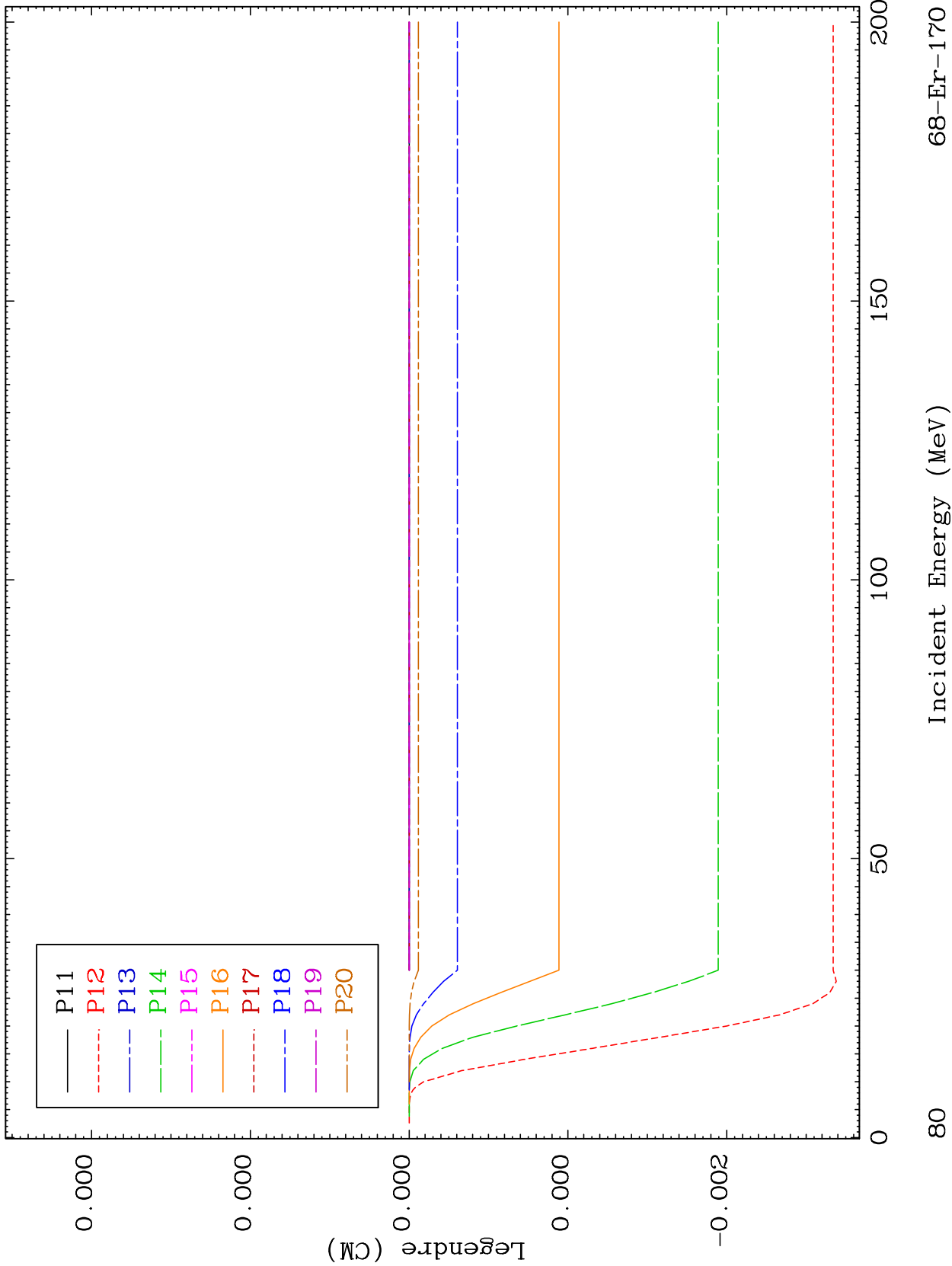
68-Er-170



MAT 6849

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

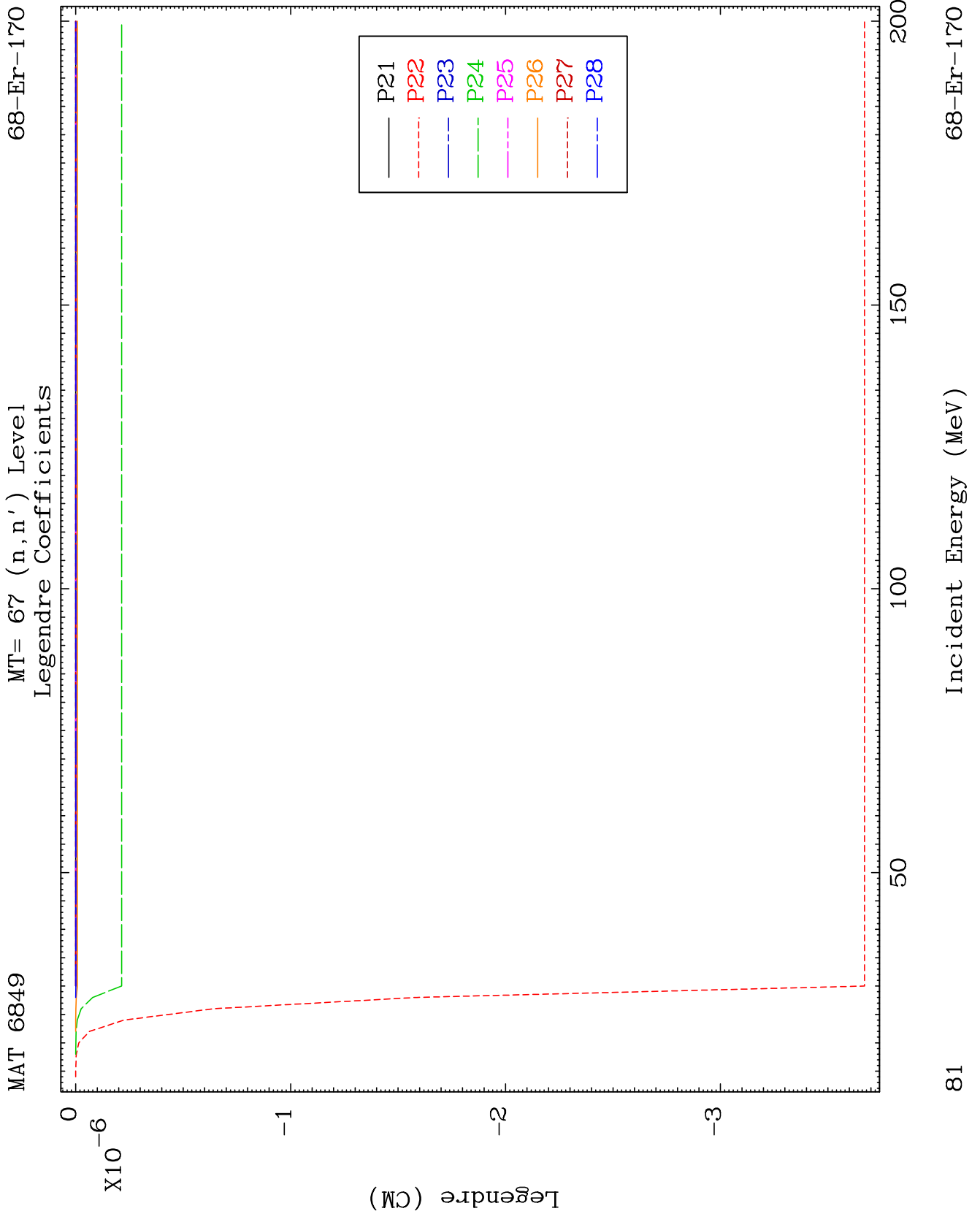
68-Er-170

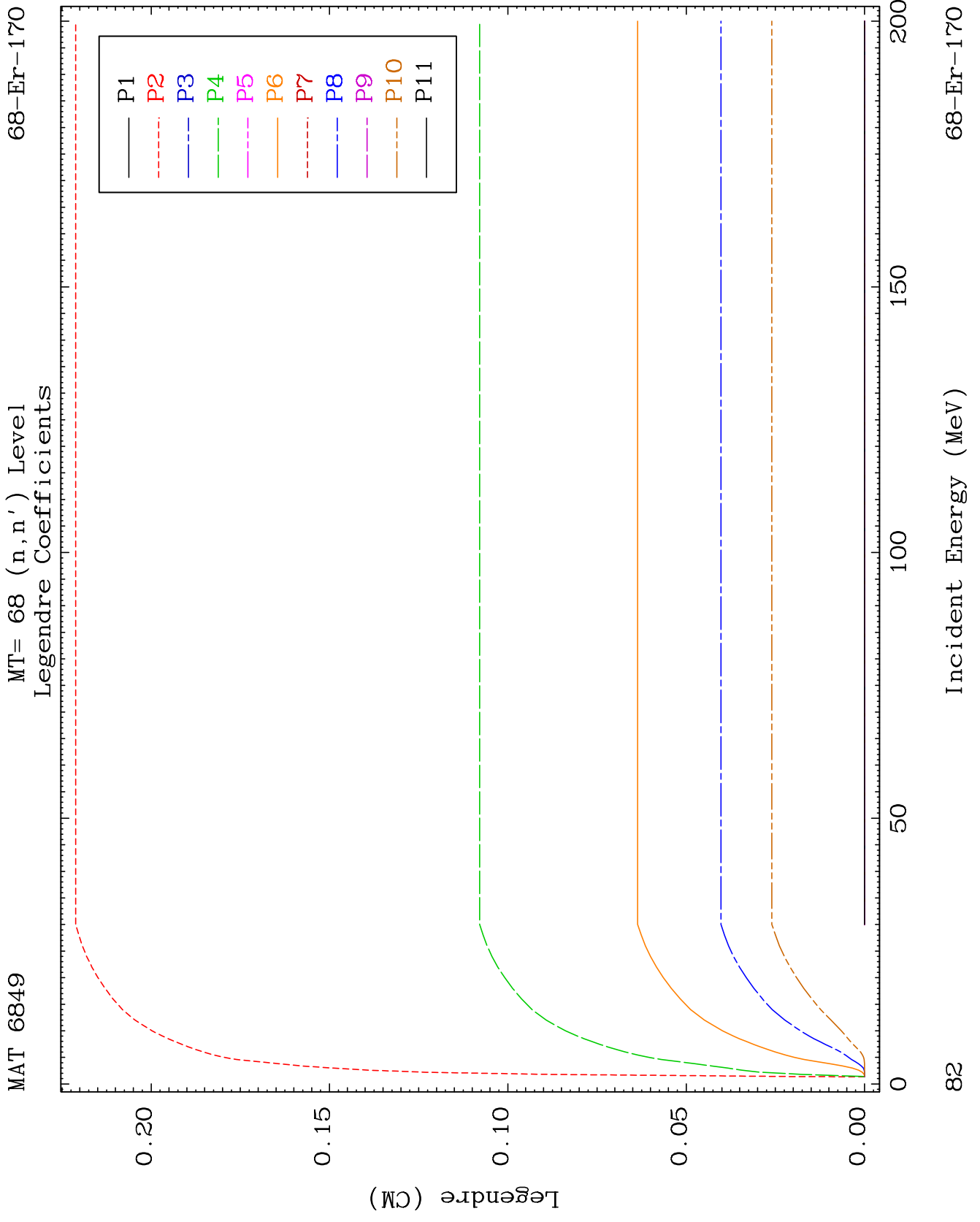


68-Er-170

Incident Energy (MeV)

80

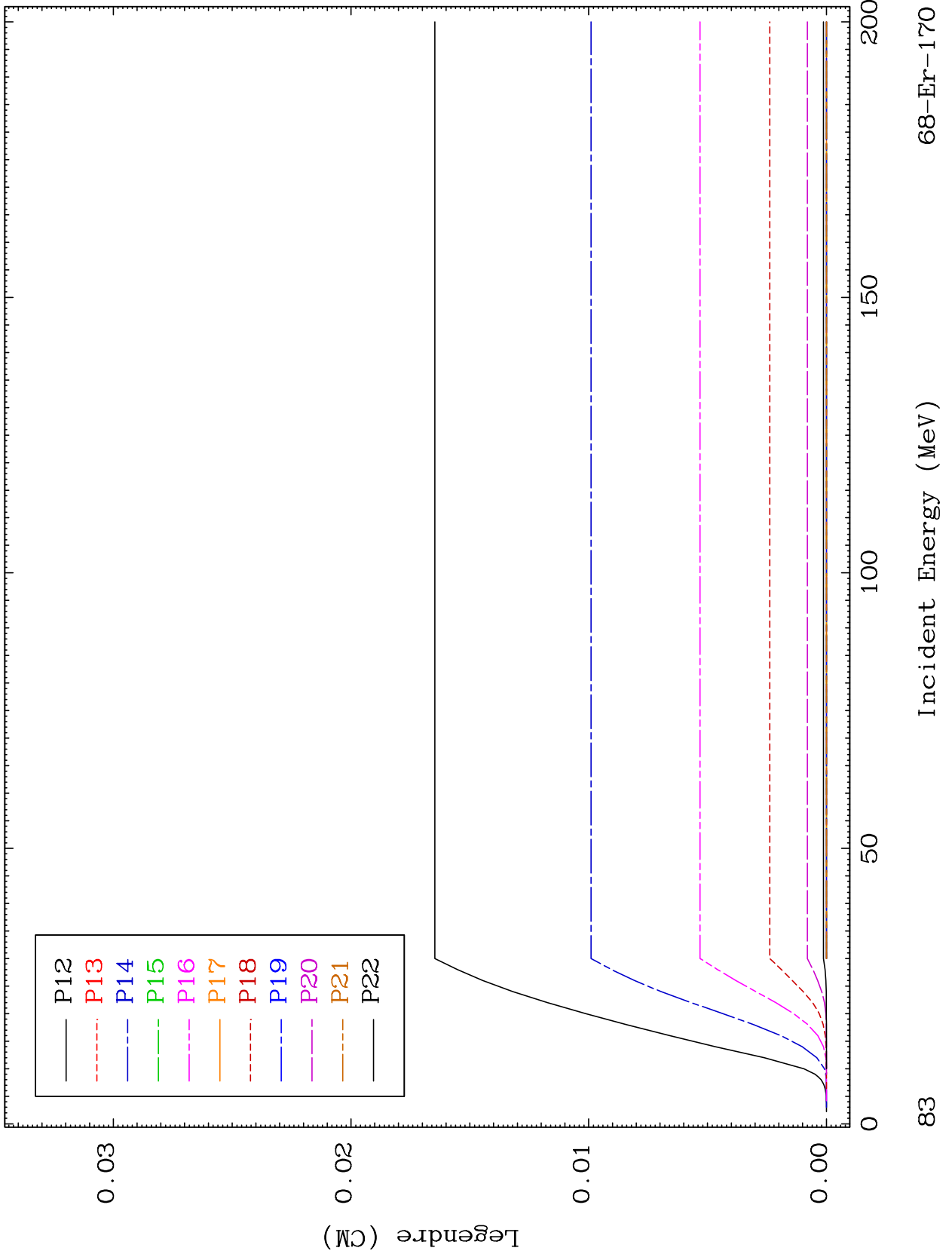




MAT 6849

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

68-Er-170



83

Incident Energy (MeV)

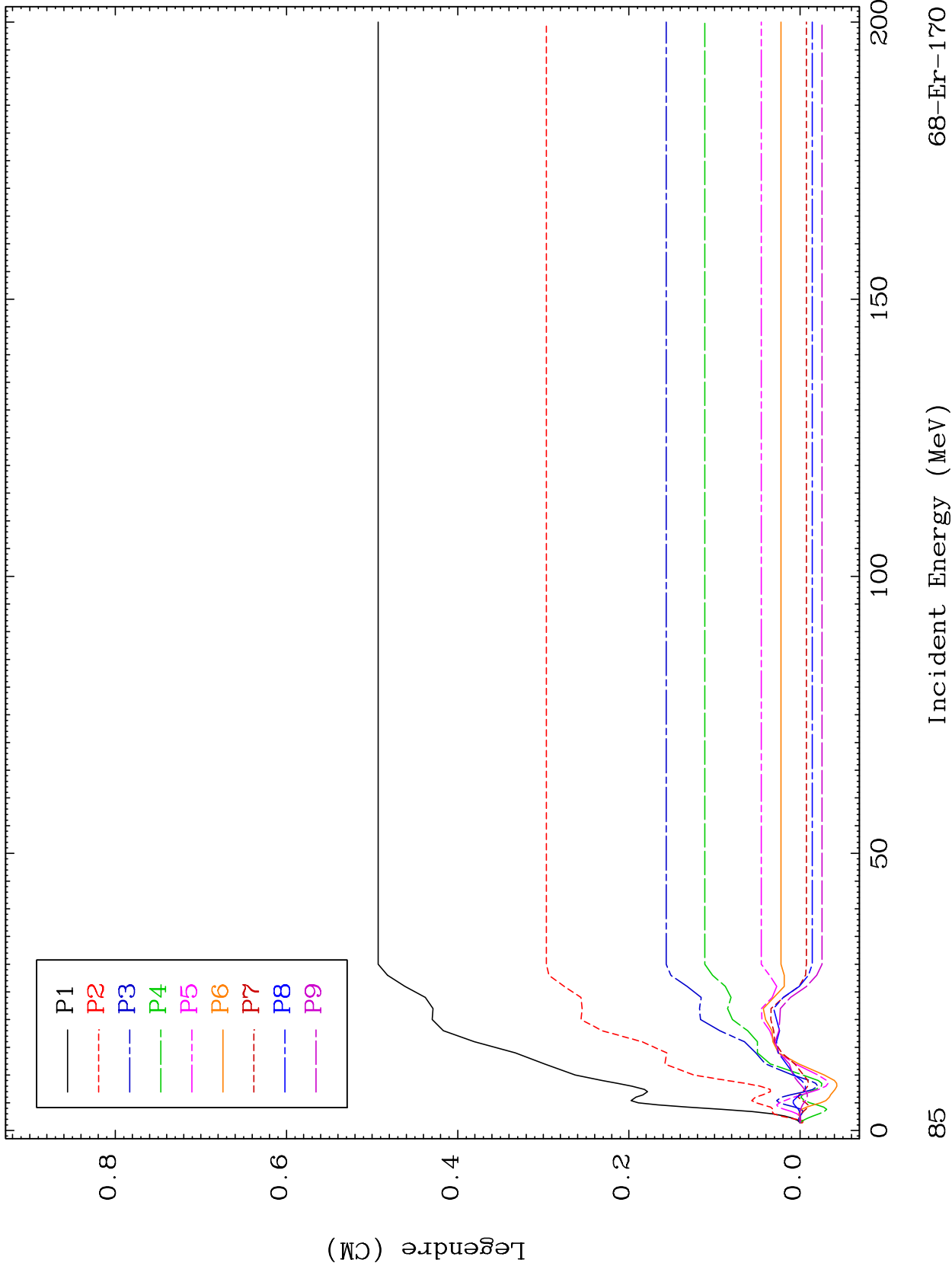
68-Er-170



MAT 6849

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

68-Er-170



68-Er-170

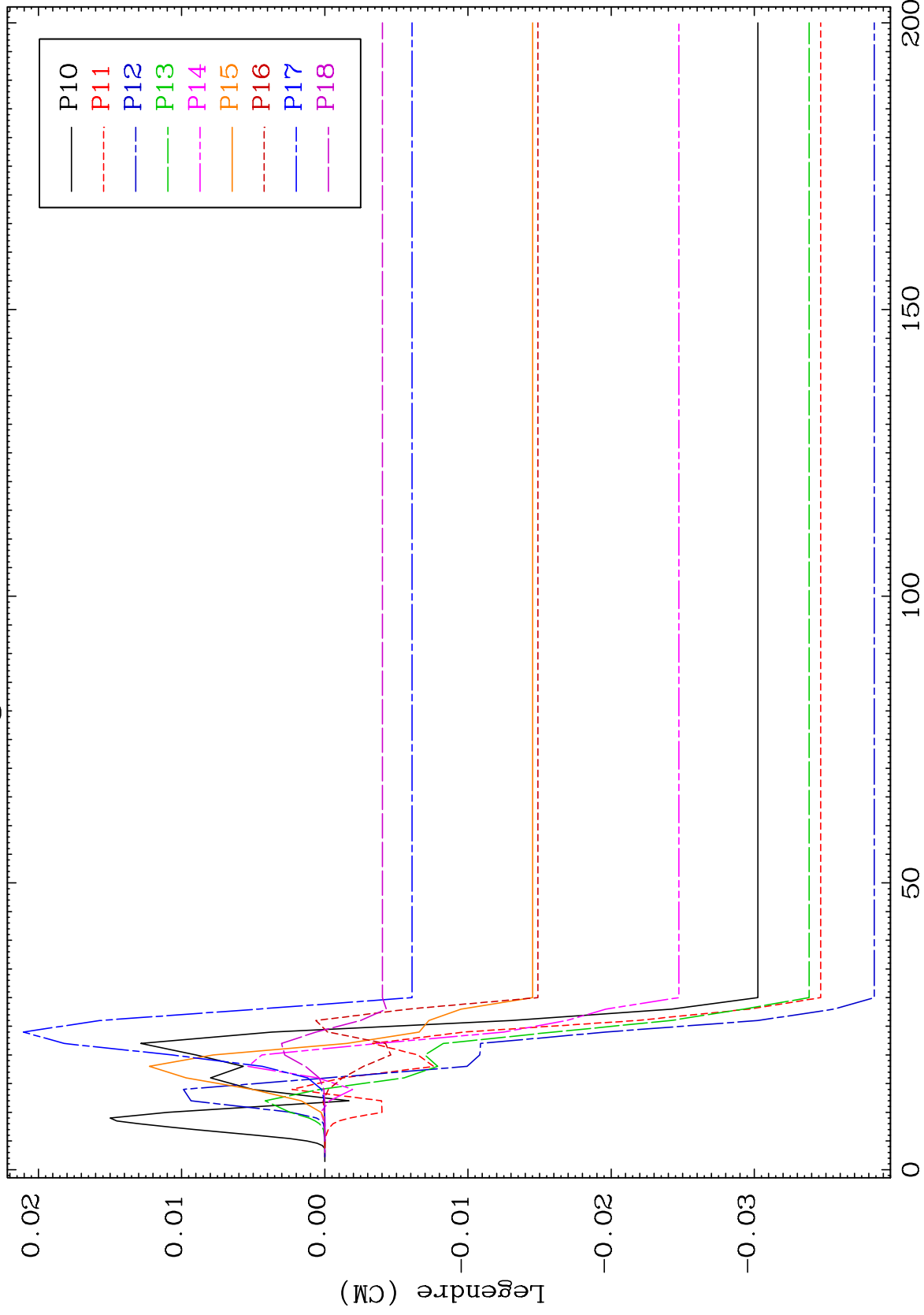
Incident Energy (MeV)

85

MAT 6849

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

68-Er-170



86

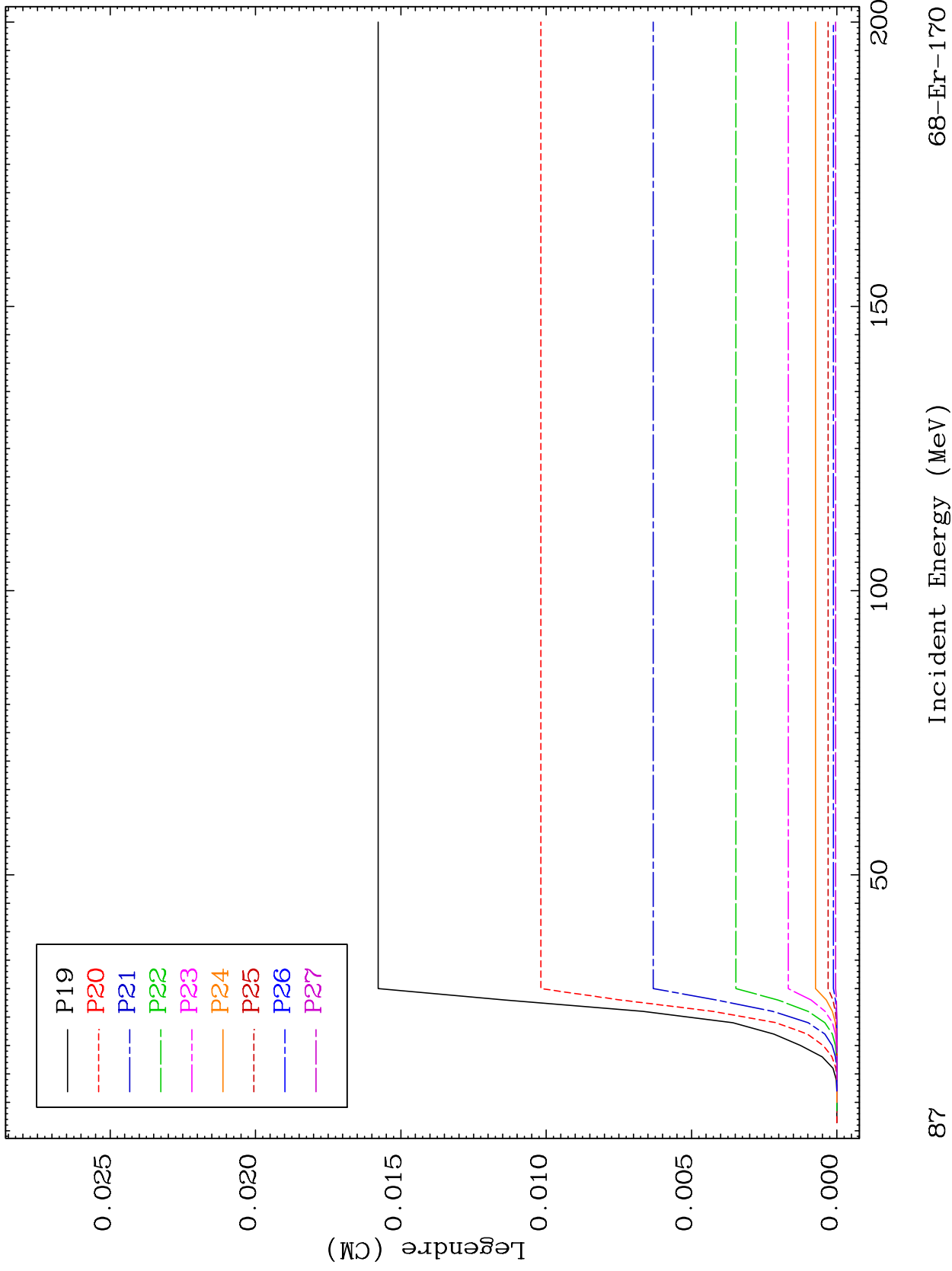
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



87

Incident Energy (MeV)

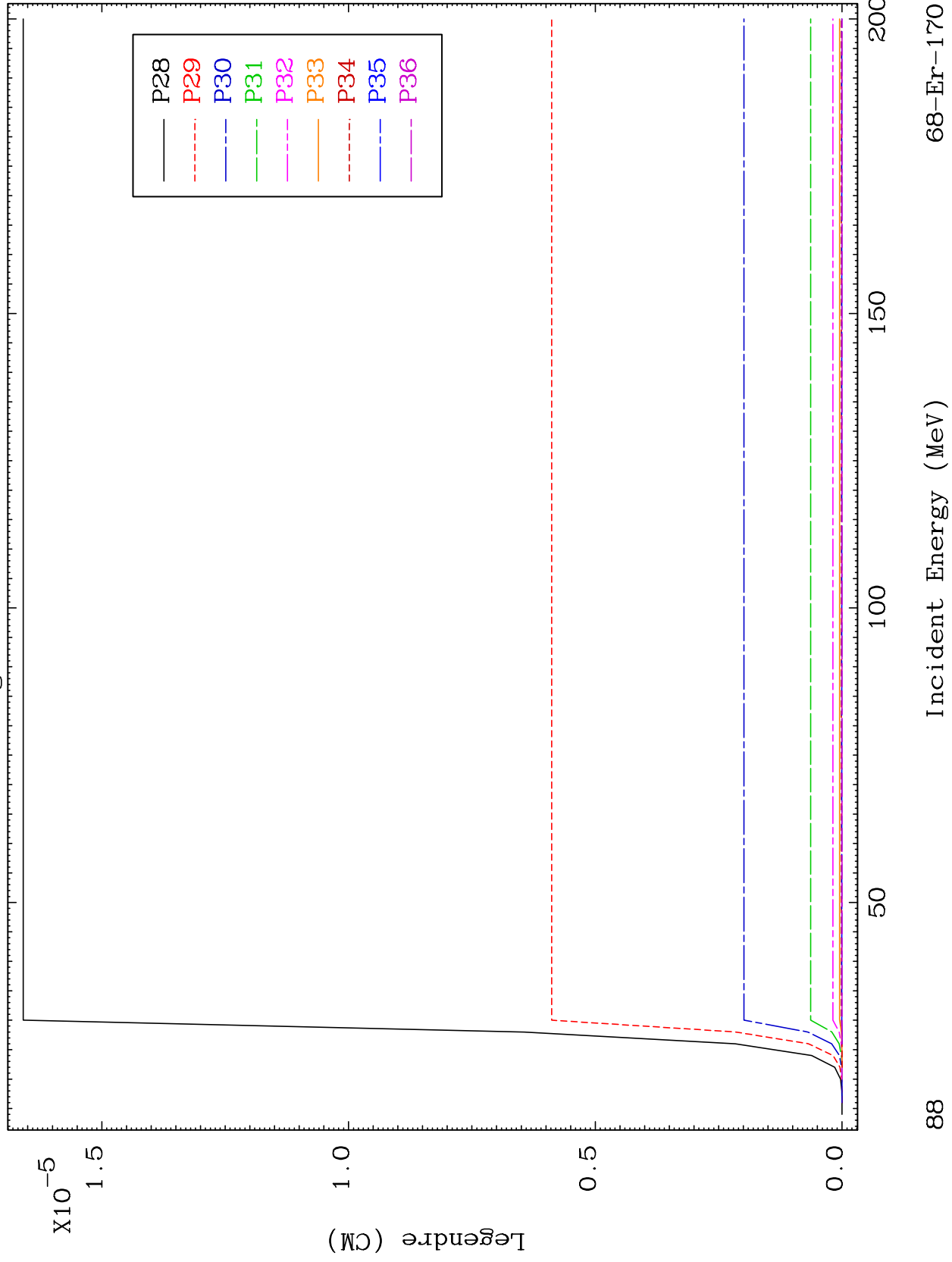
68-Er-170



MAT 6849

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

68-Er-170

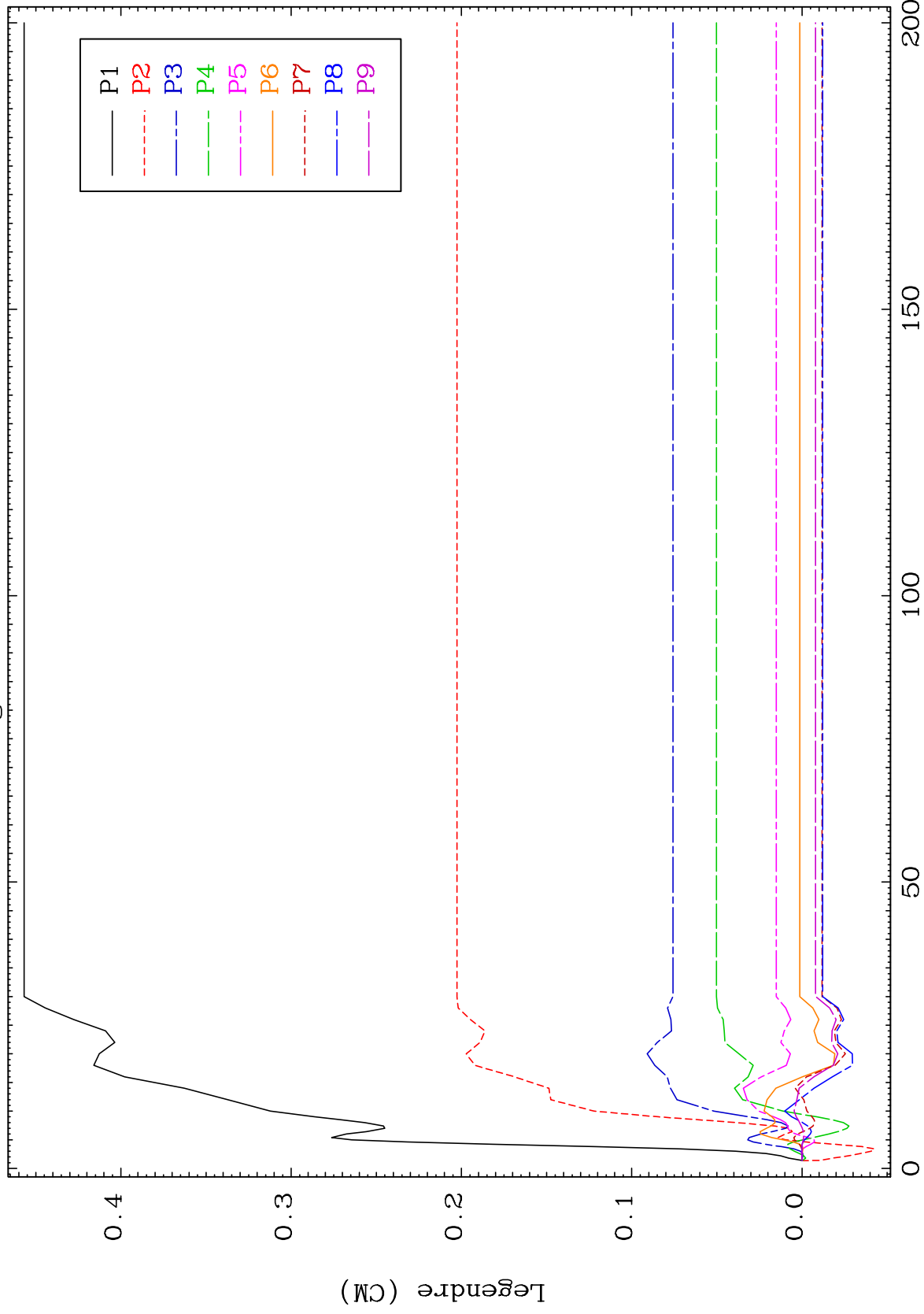


88

MAT 6849

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

68-Er-170



89

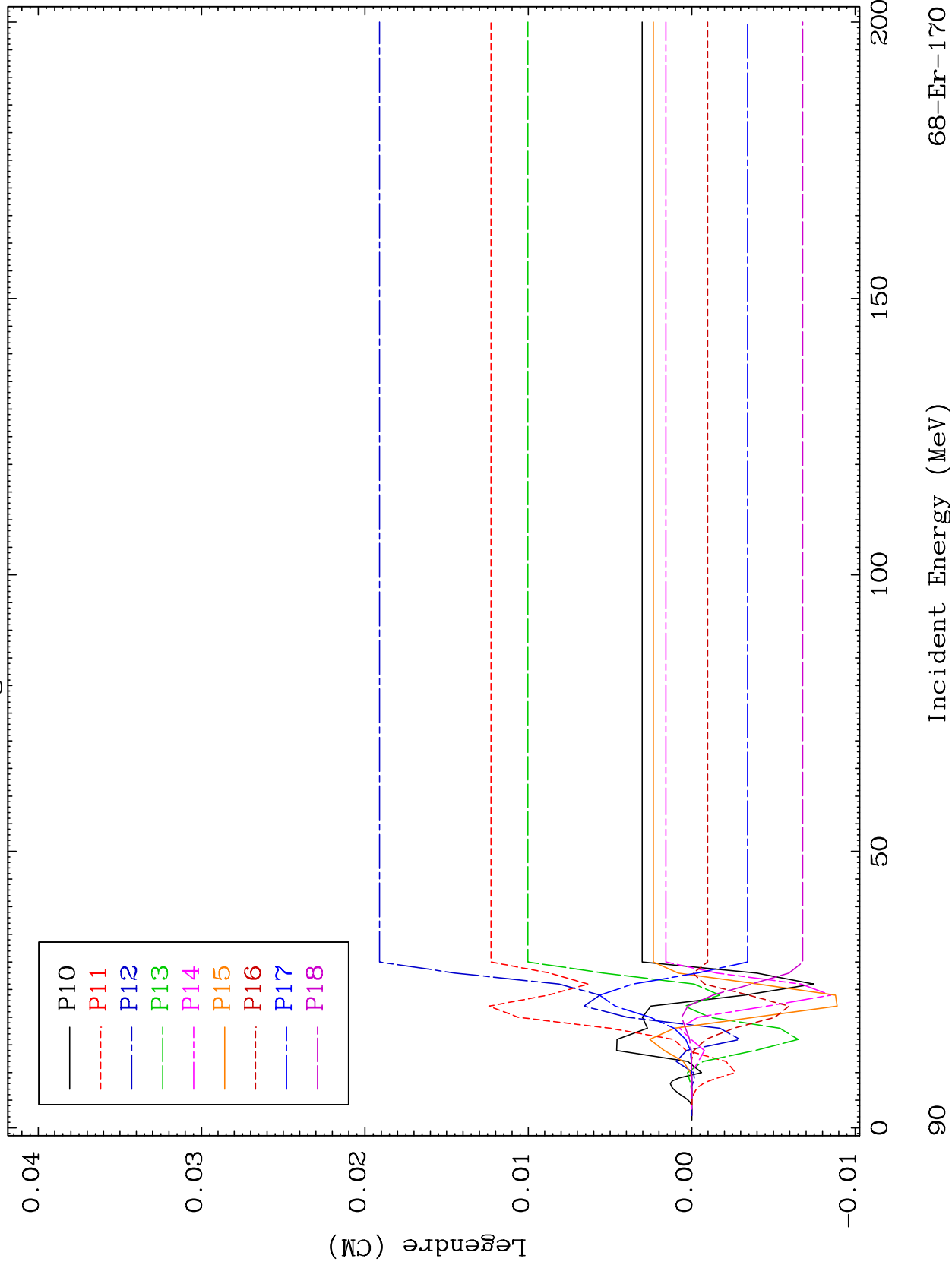
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



68-Er-170

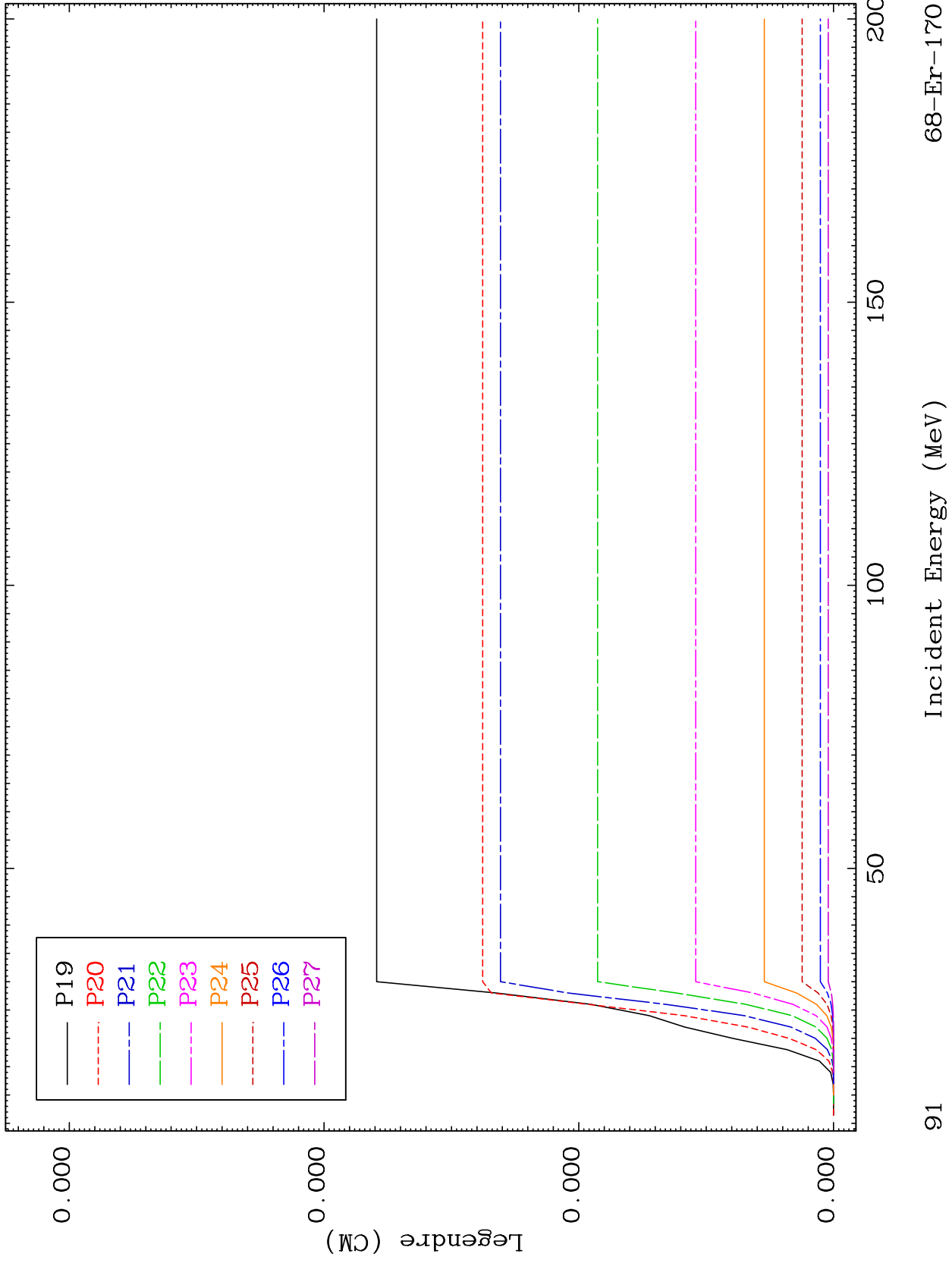
Incident Energy (MeV)

90

MAT 6849

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

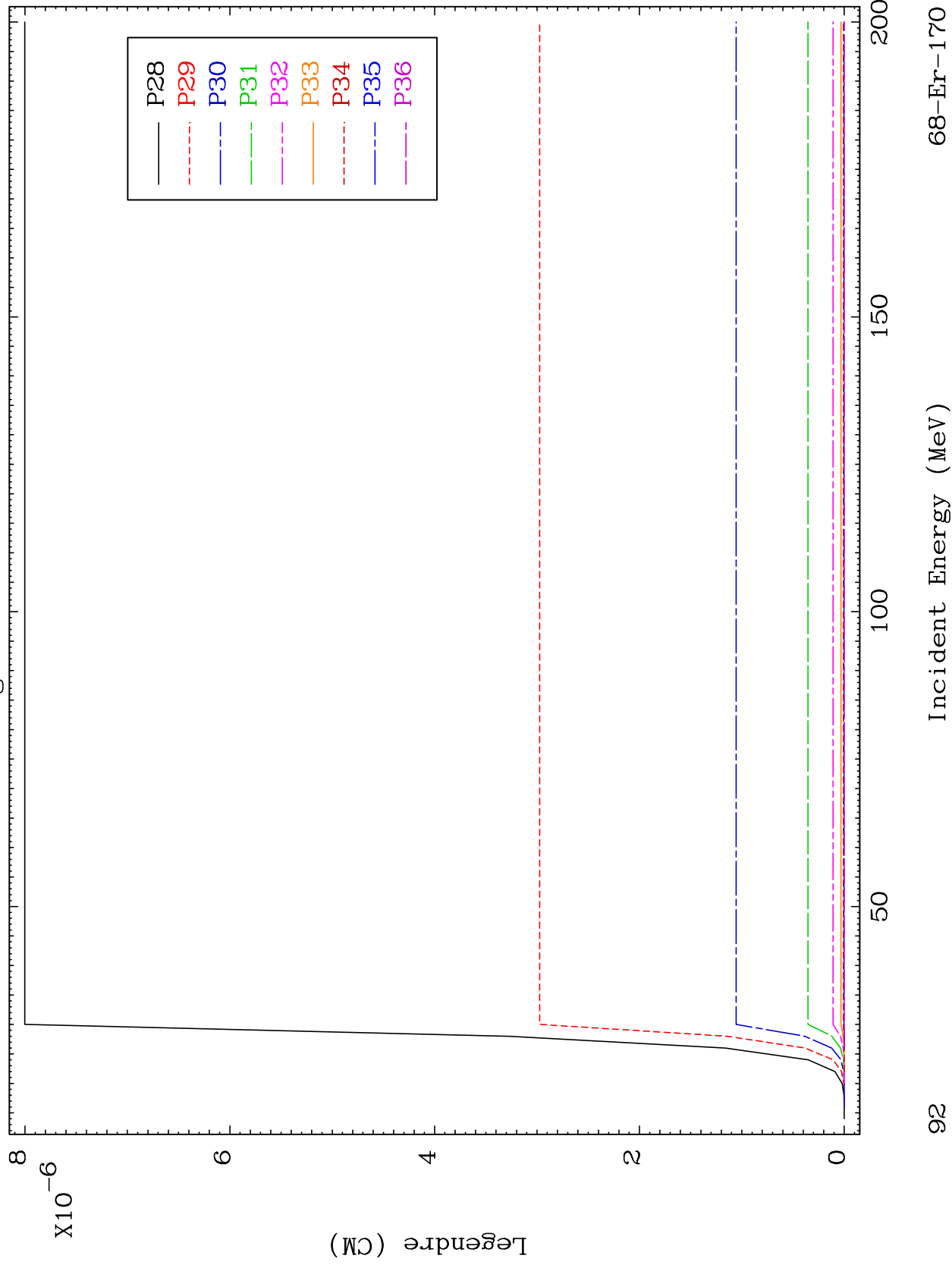
68-Er-170



MAT 6849

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

68-Er-170



92

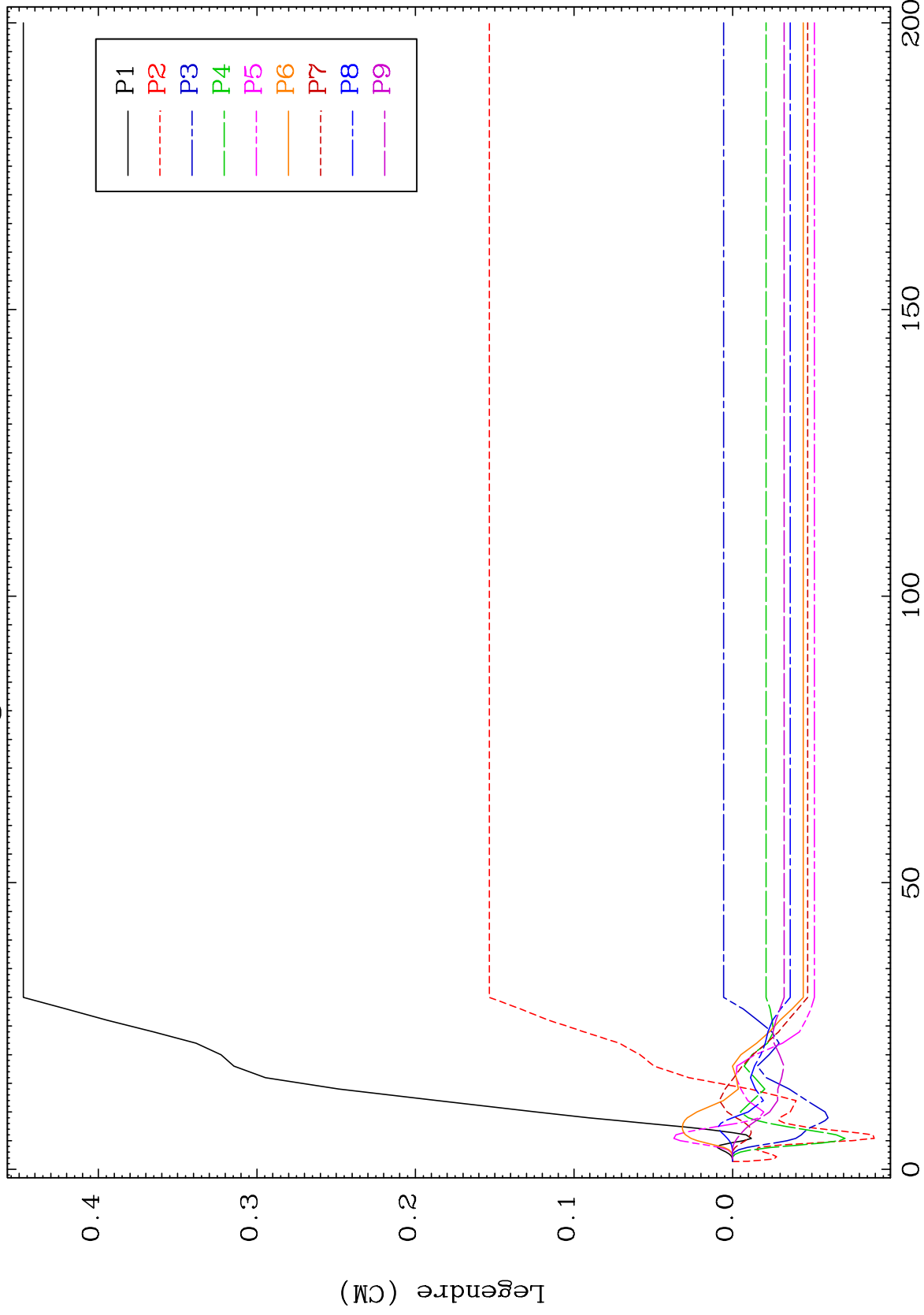
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



93

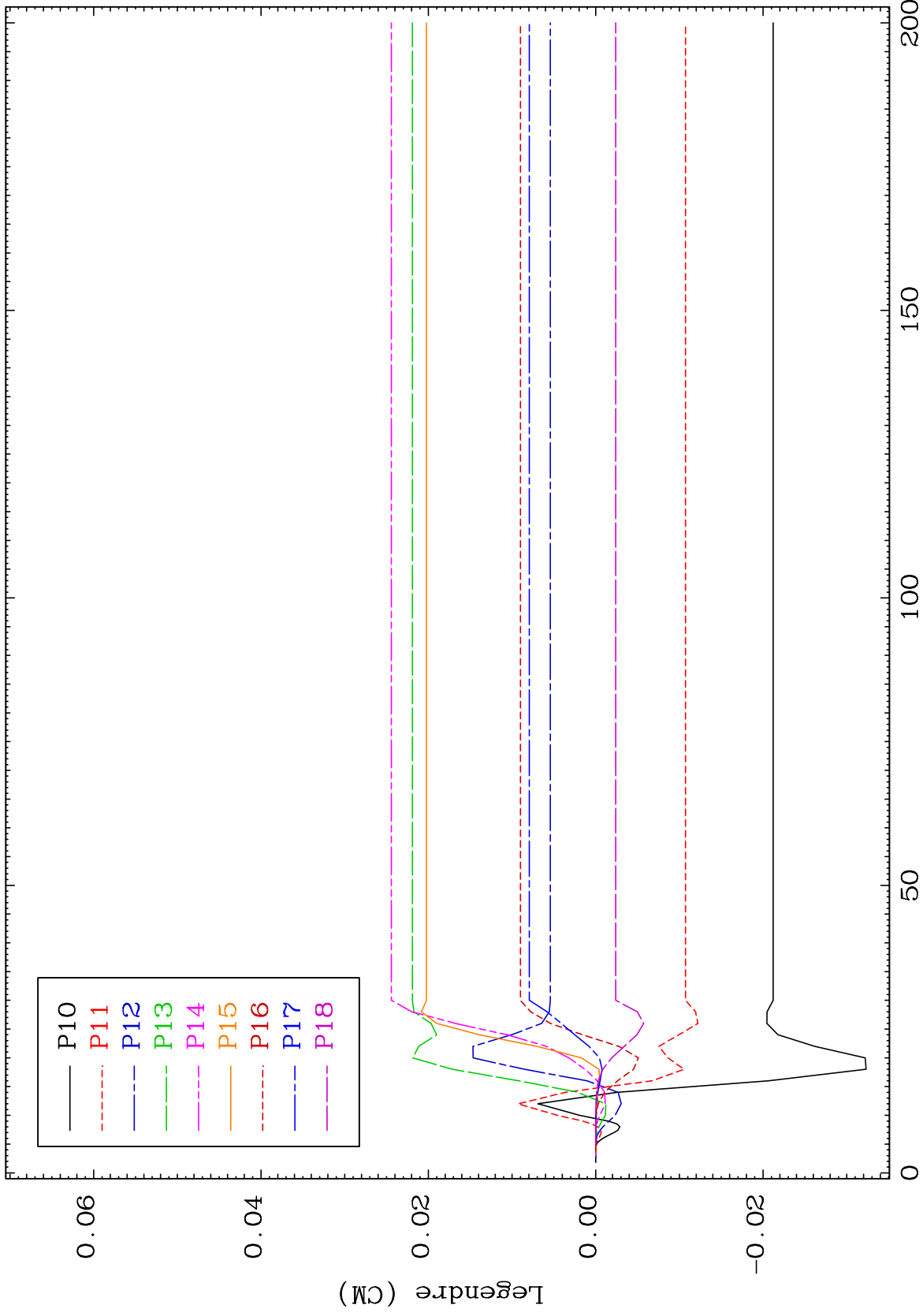
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



94

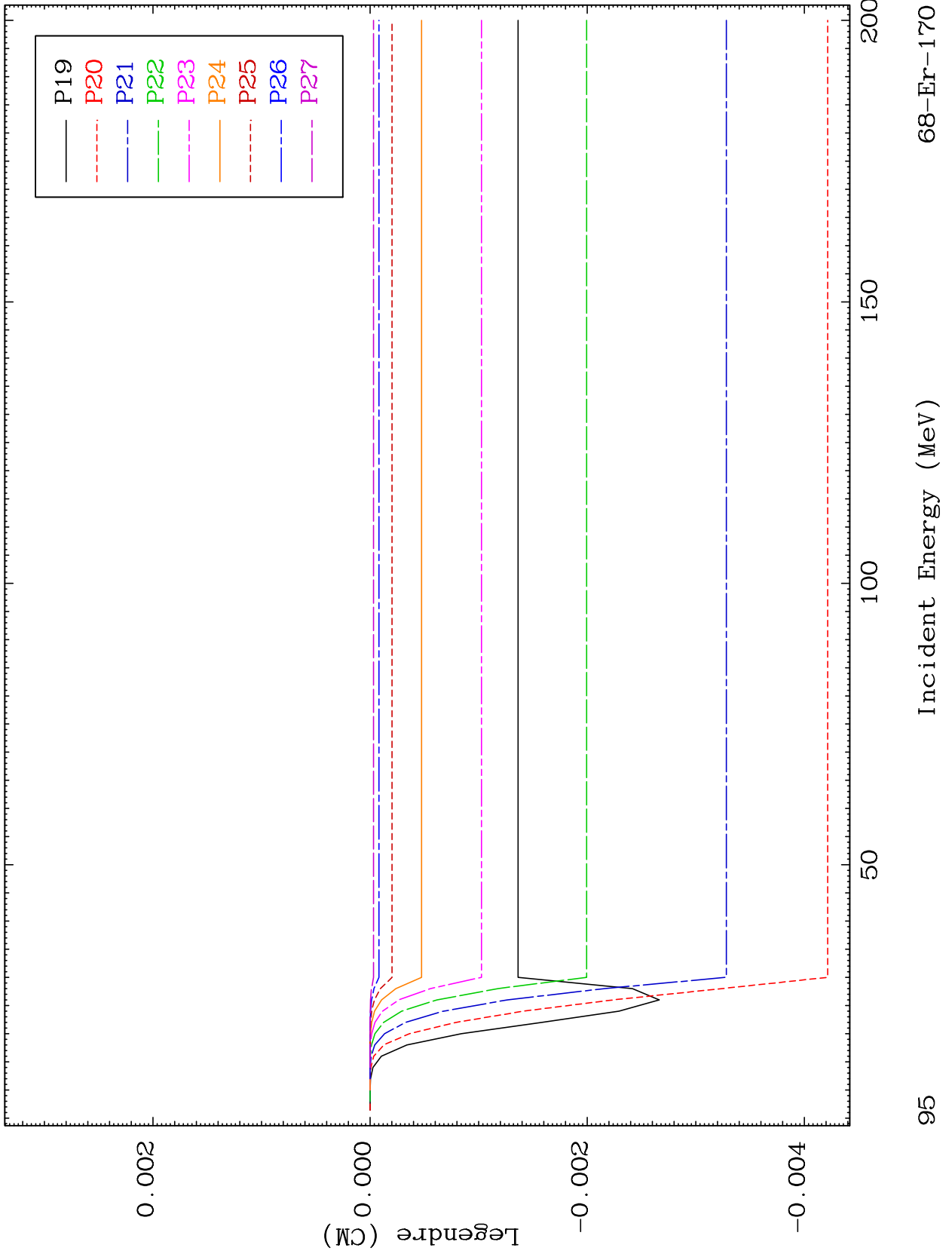
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170

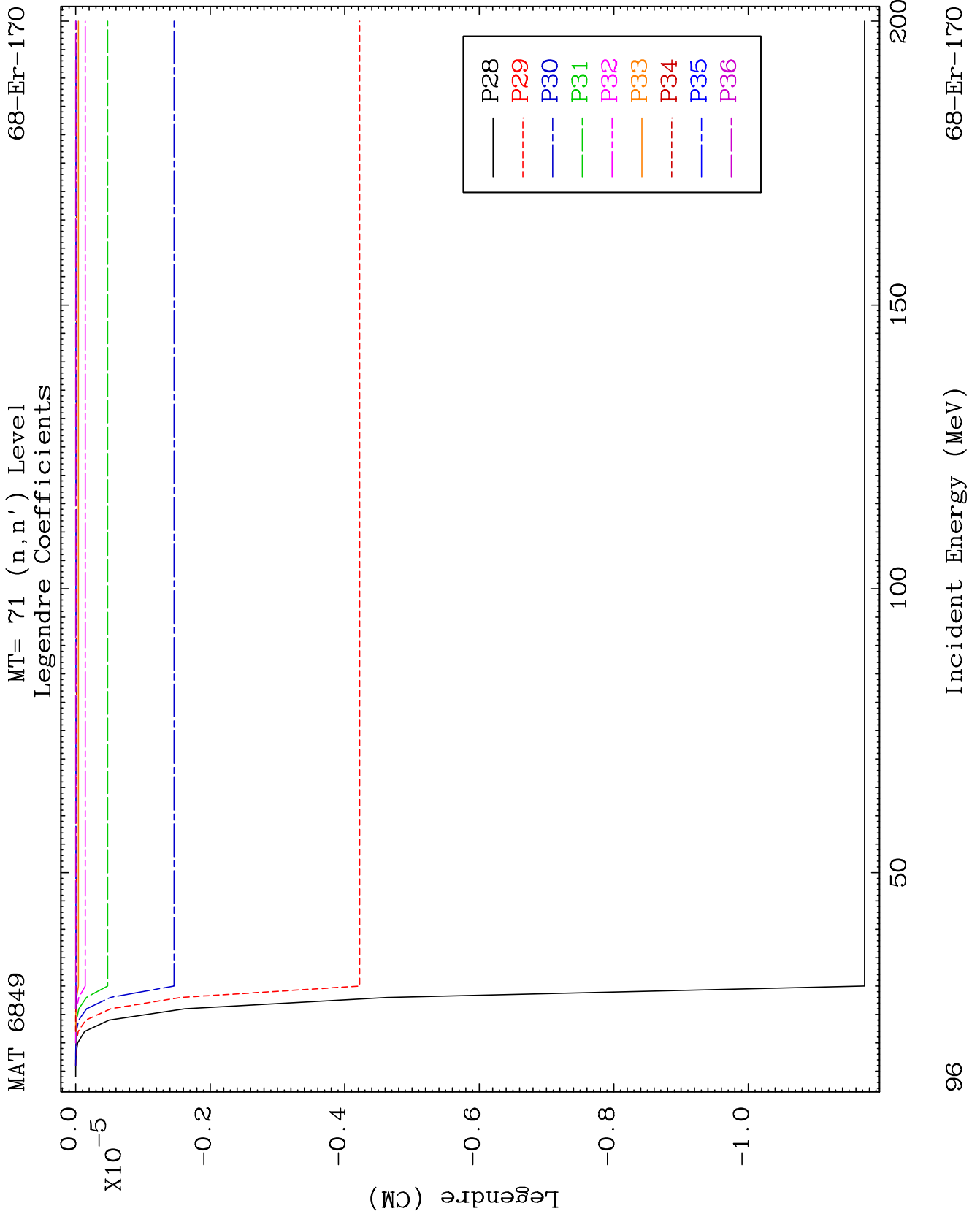


95

Incident Energy (MeV)

68-Er-170

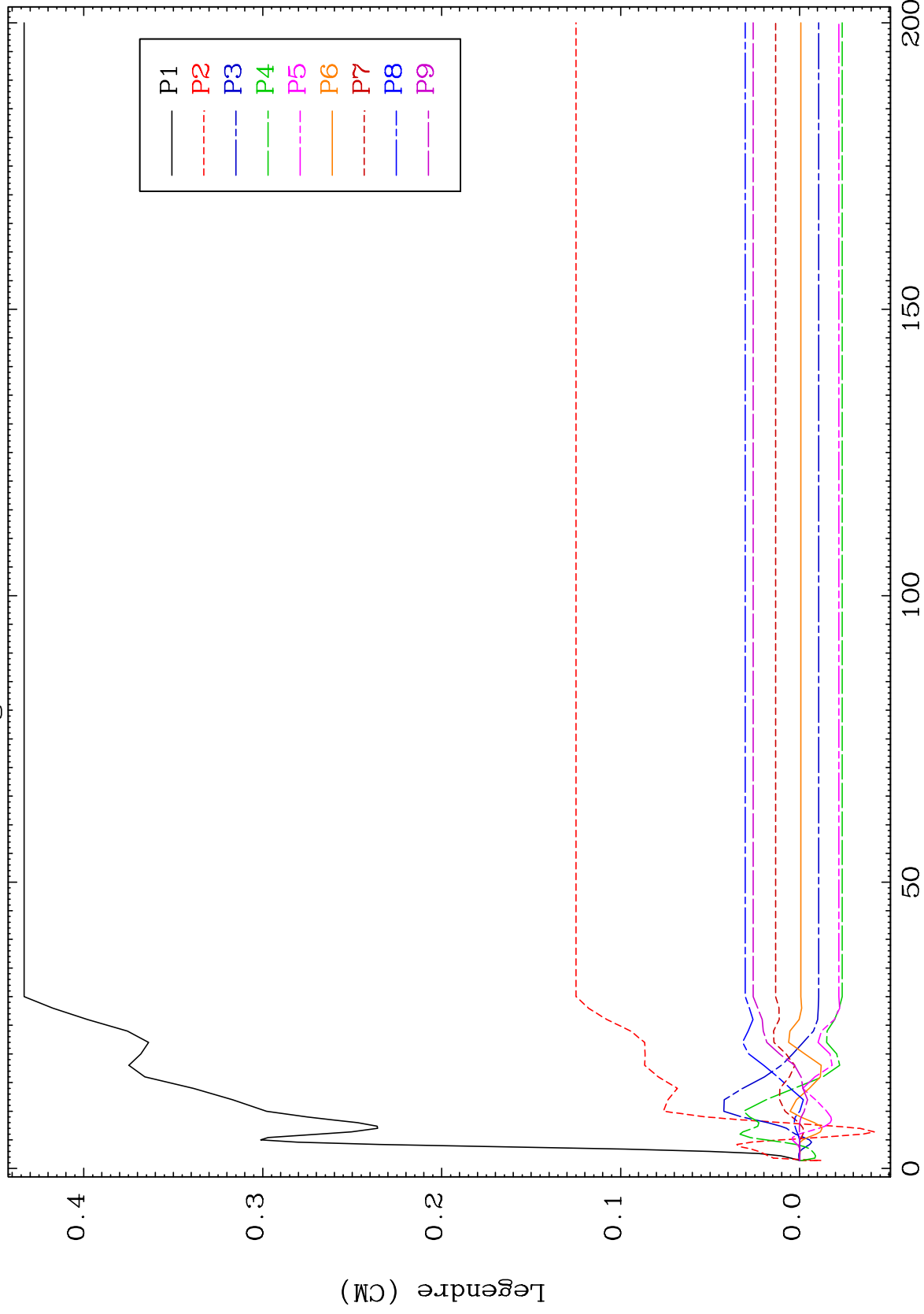




MAT 6849

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

68-Er-170



97

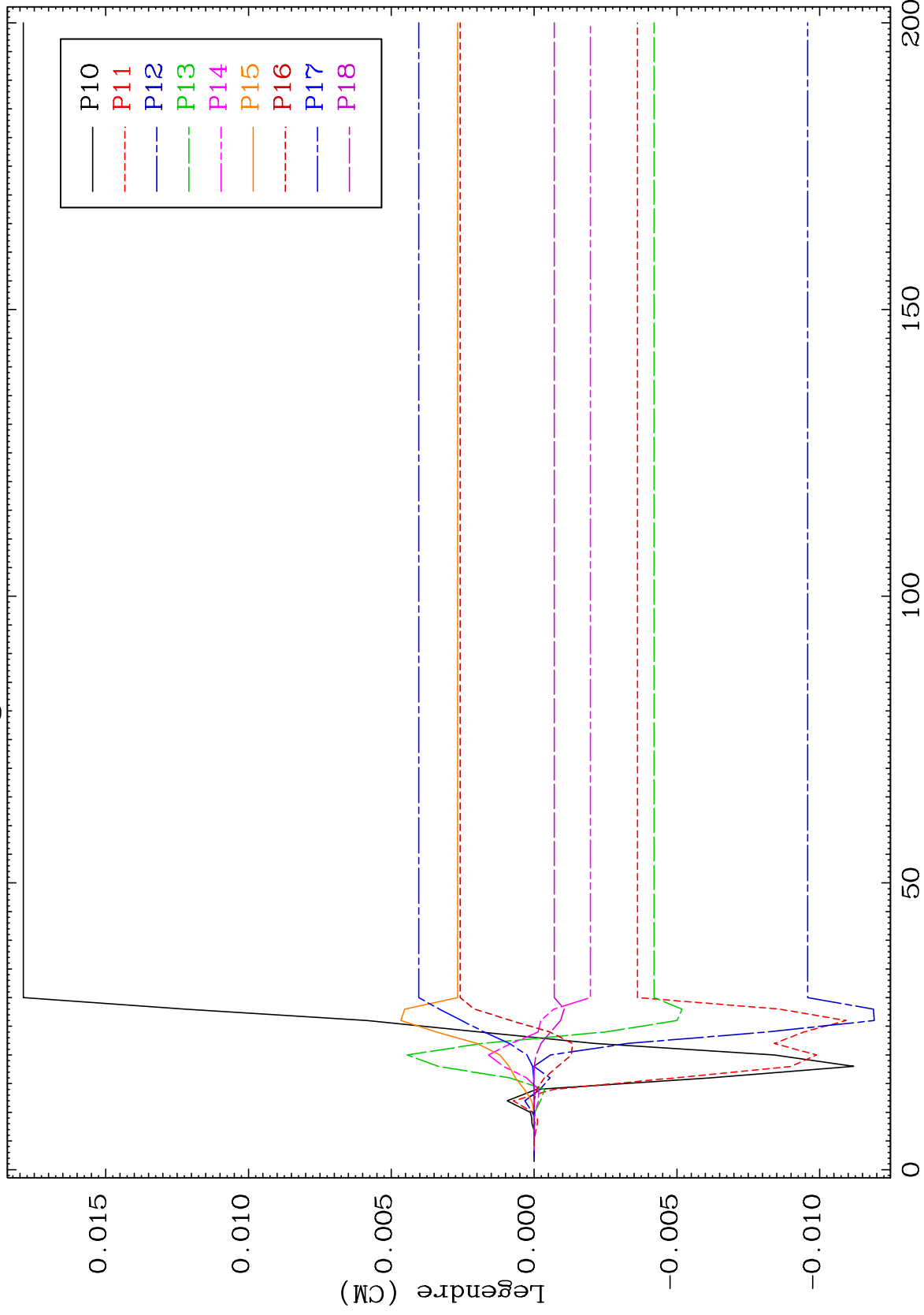
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



98

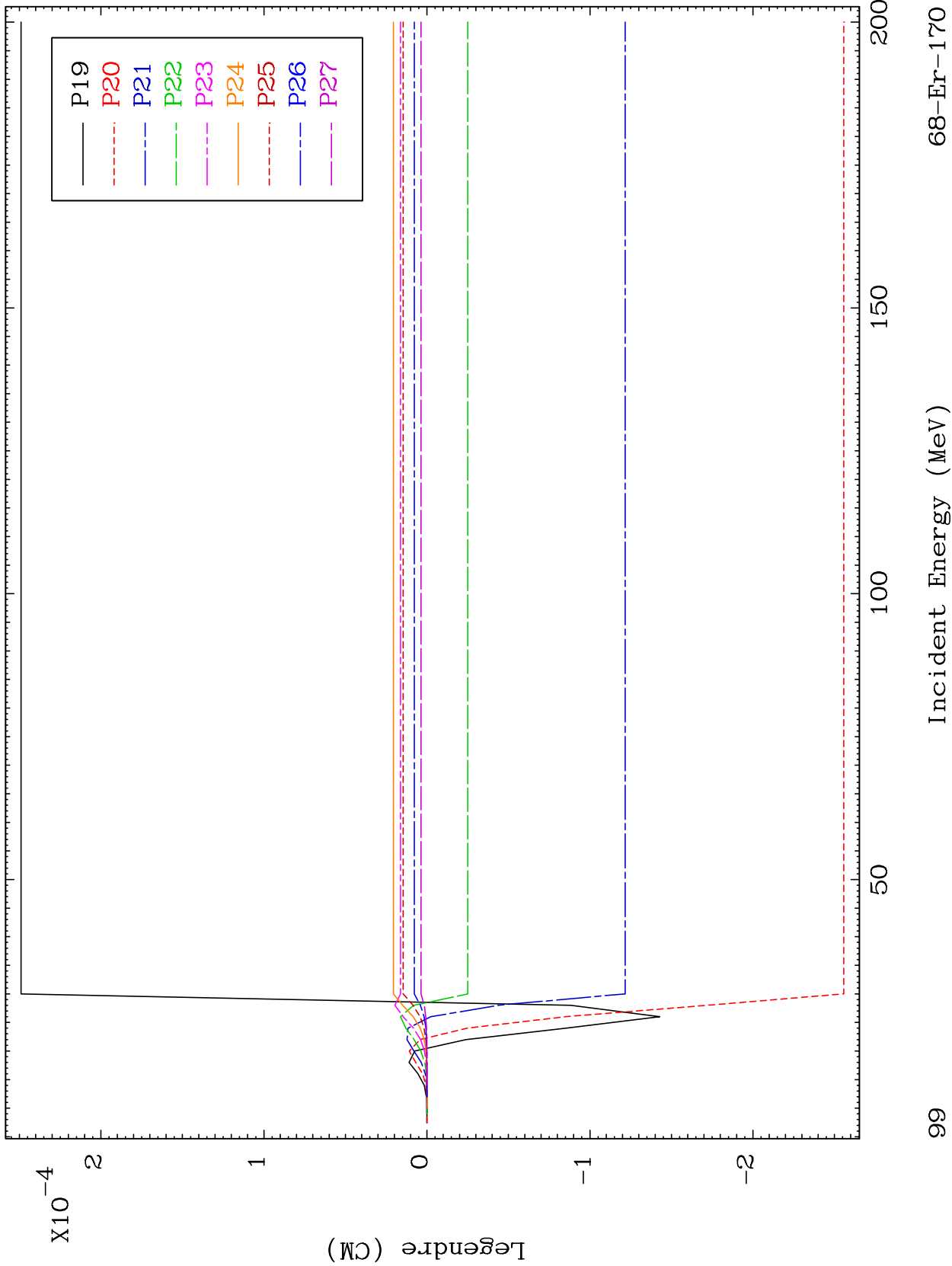
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



99

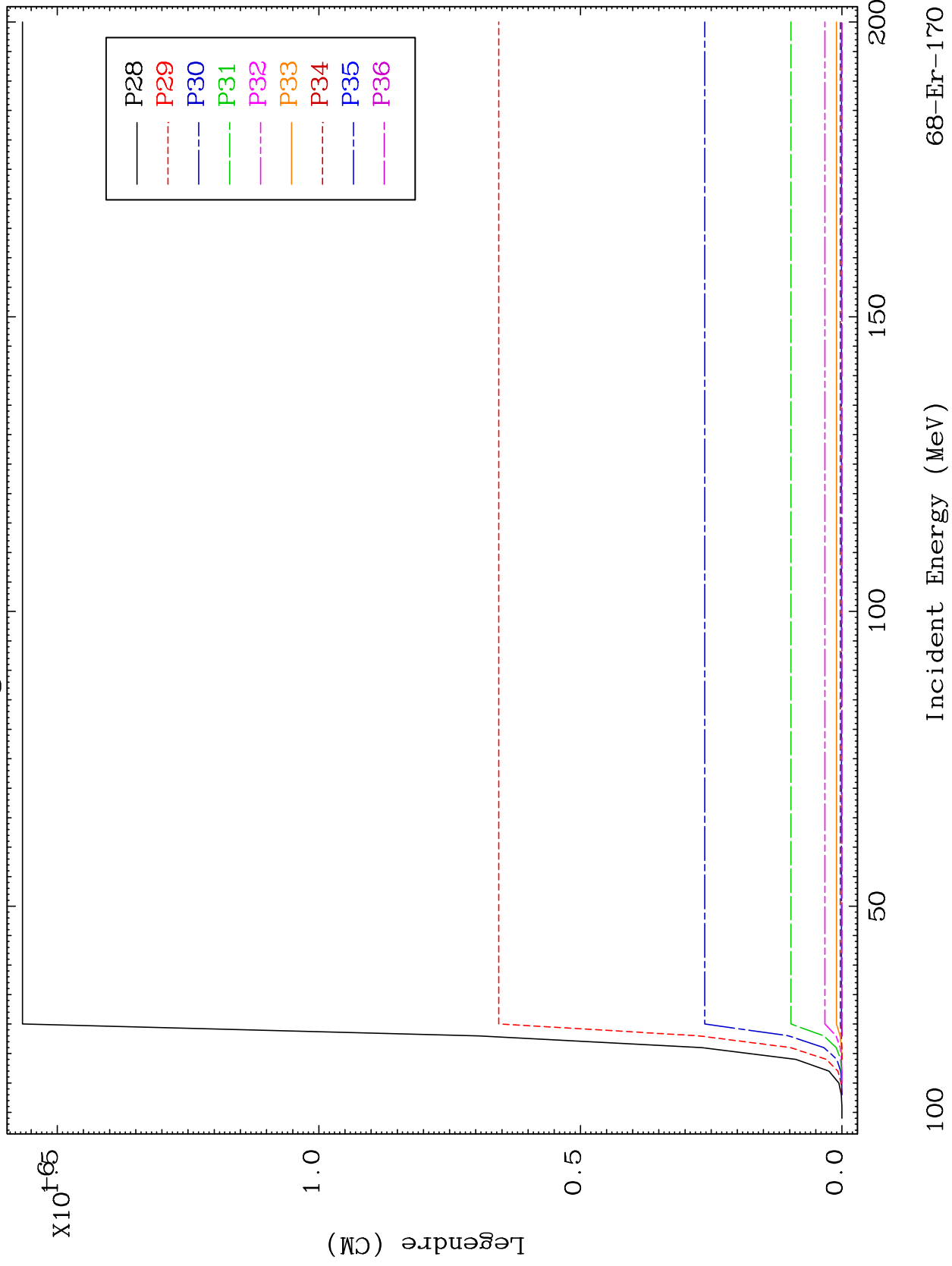
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170

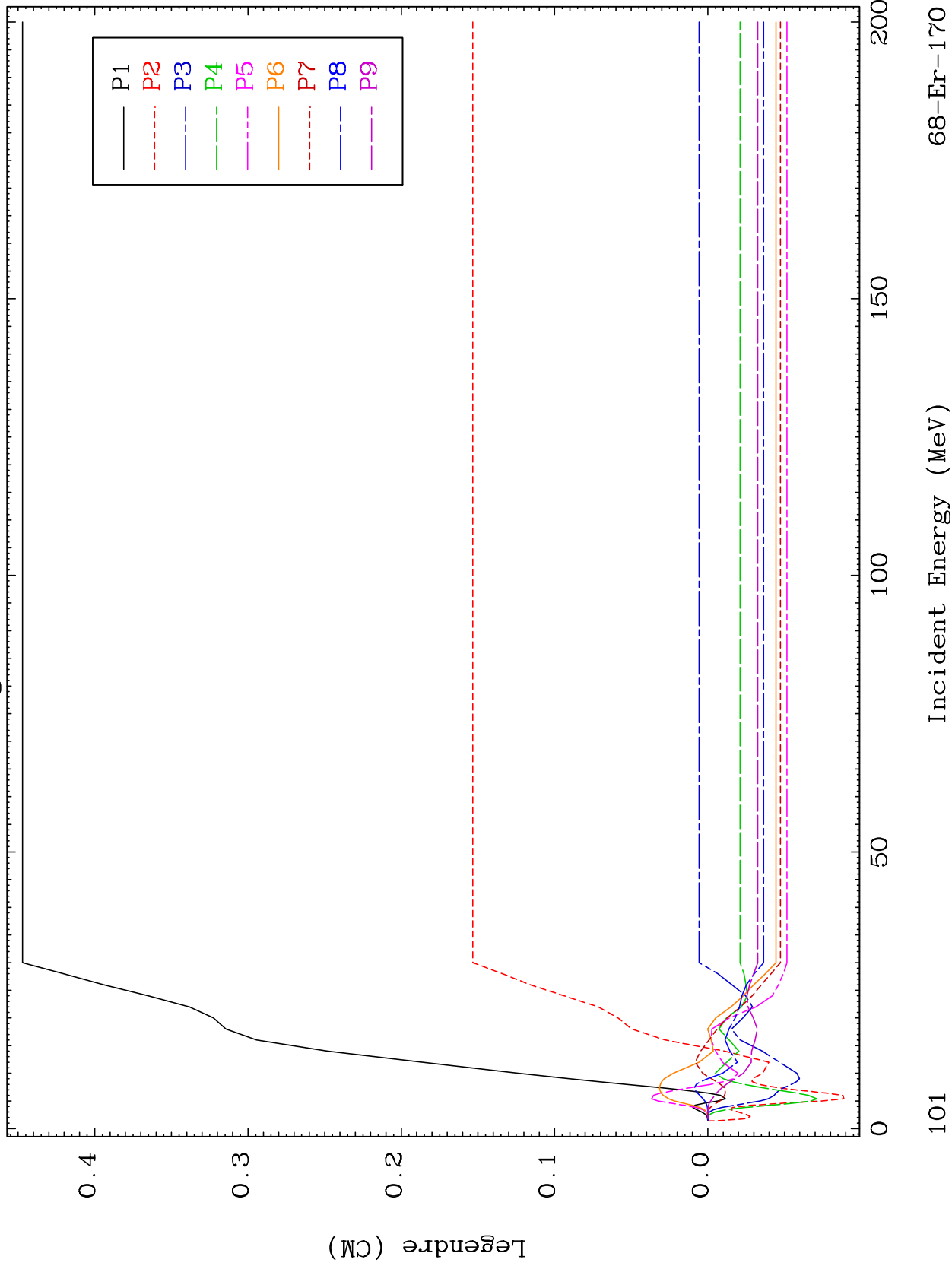


68-Er-170

MAT 6849

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

68-Er-170



68-Er-170

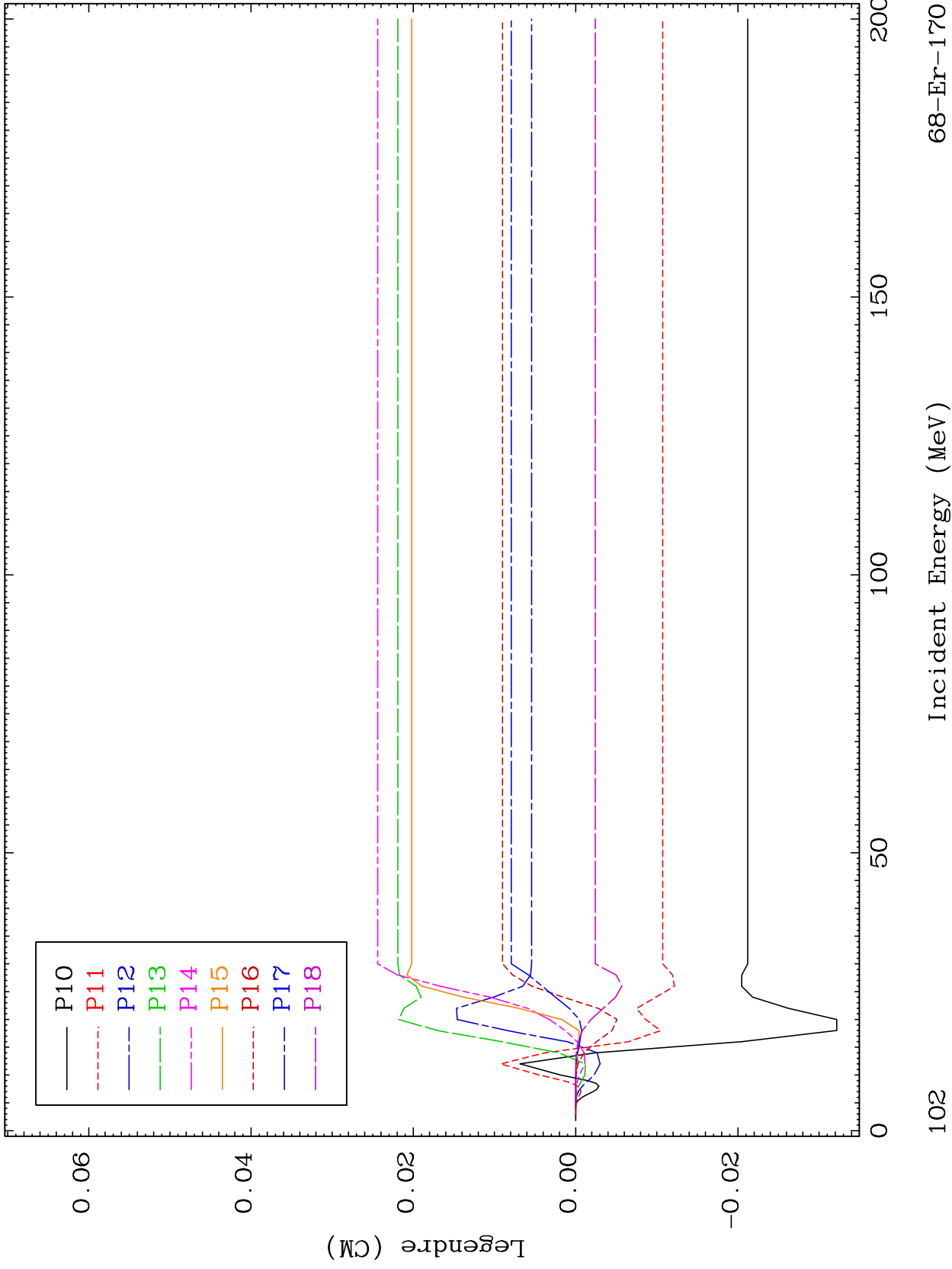
Incident Energy (MeV)

101

MAT 6849

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

68-Er-170



102

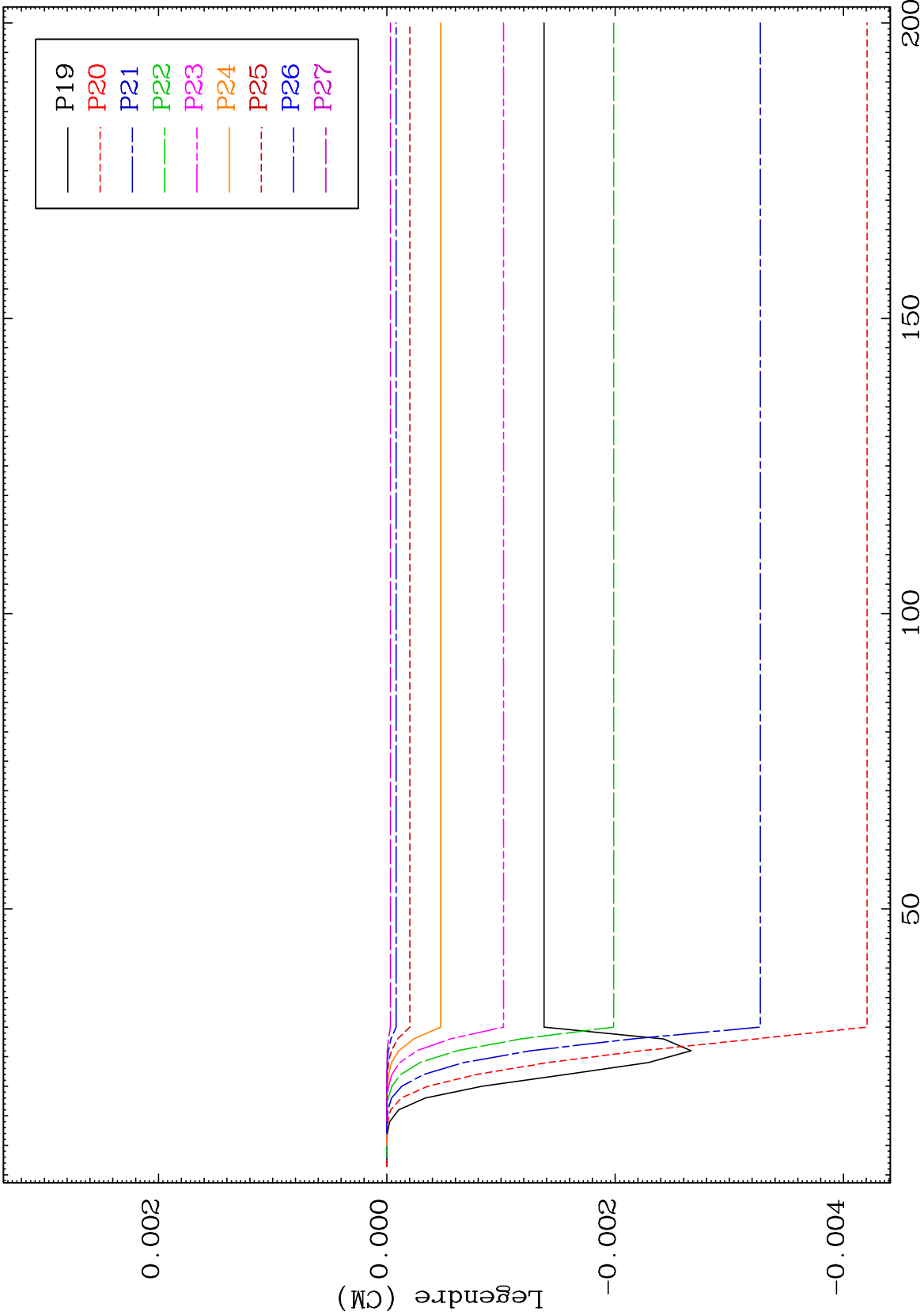
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170

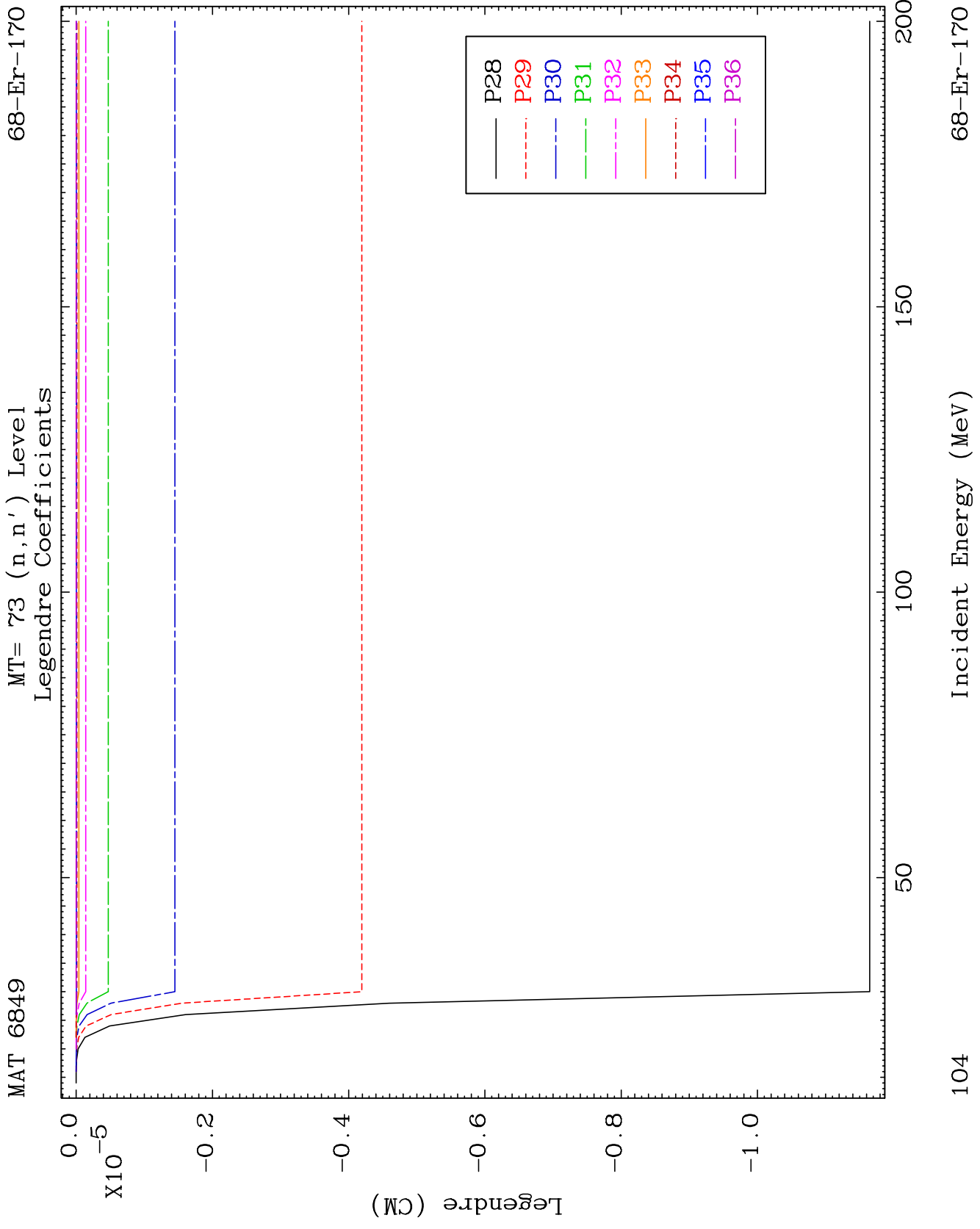


103

Incident Energy (MeV)

68-Er-170

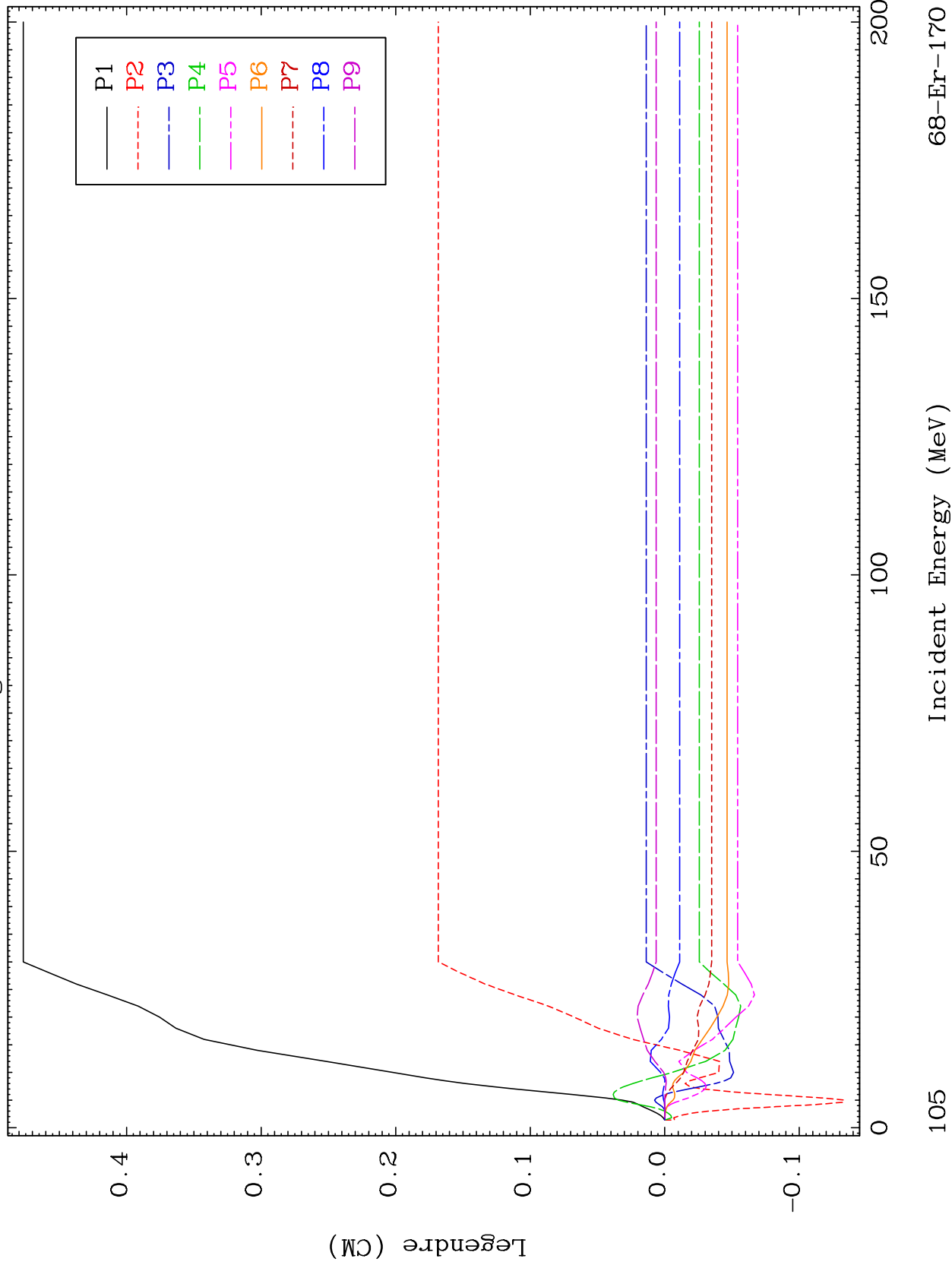




MAT 6849

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

68-Er-170



68-Er-170

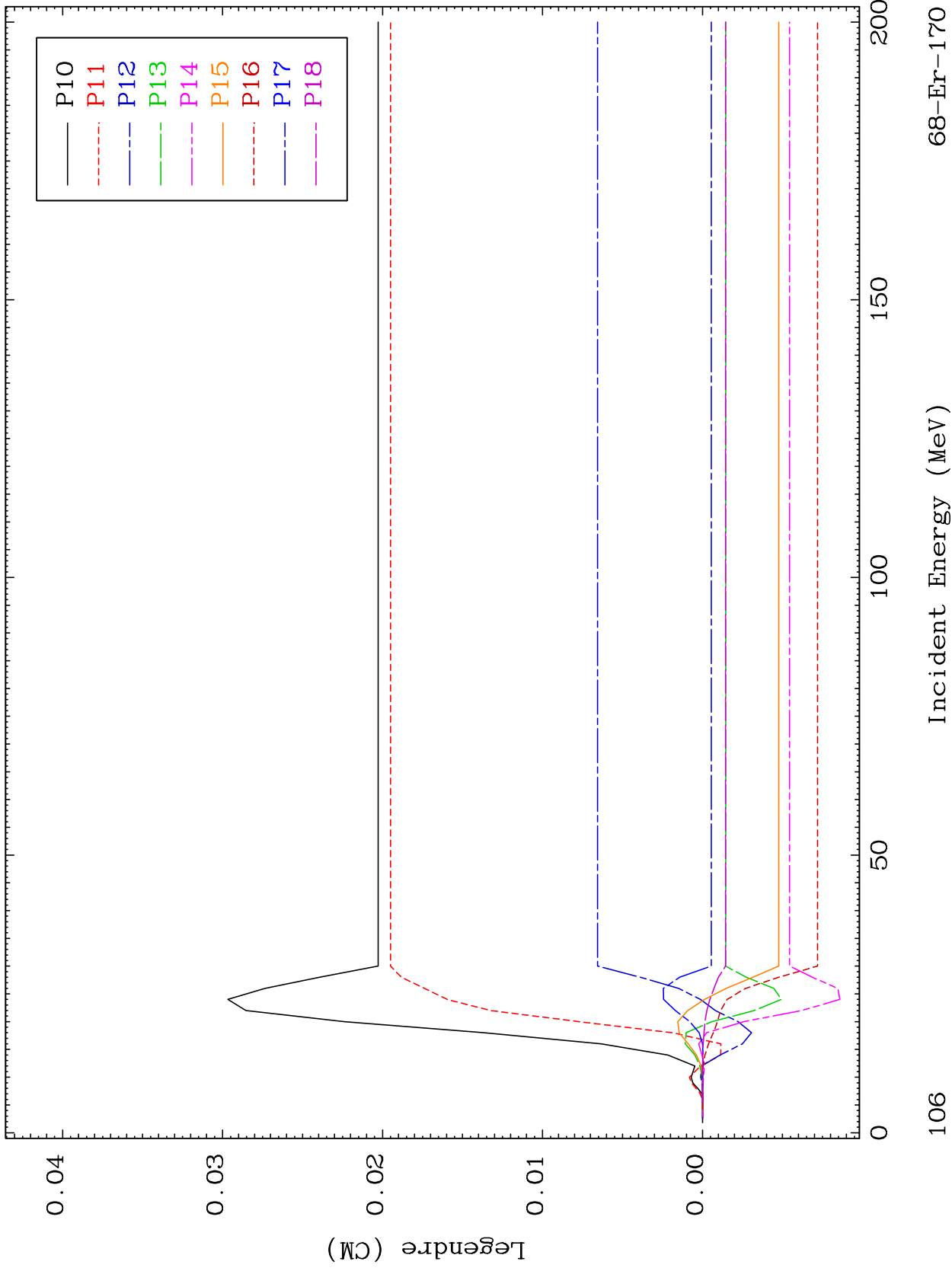
Incident Energy (MeV)

Legendre (CM)

MAT 6849

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

68-Er-170



68-Er-170

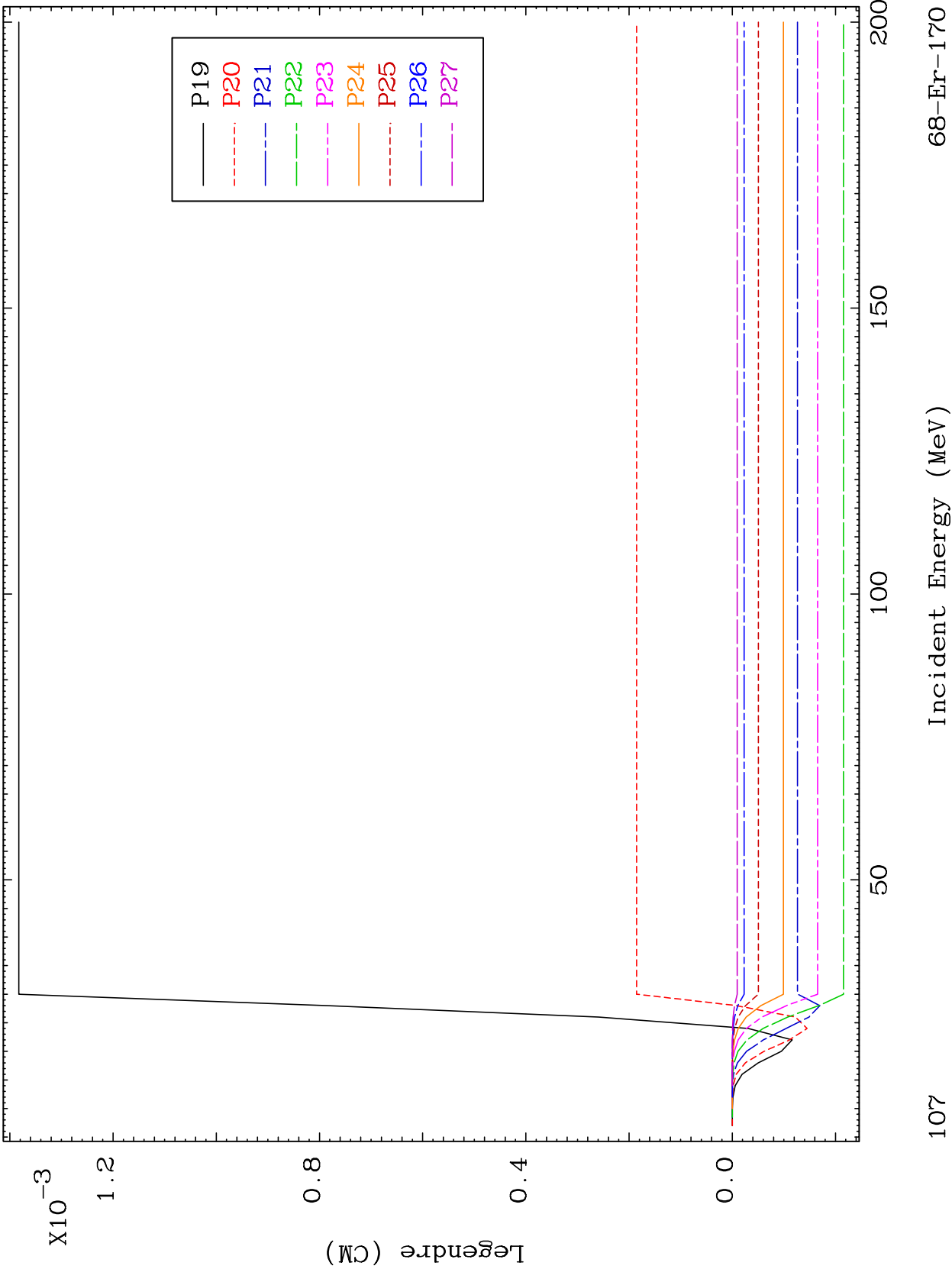
Incident Energy (MeV)

106

MAT 6849

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

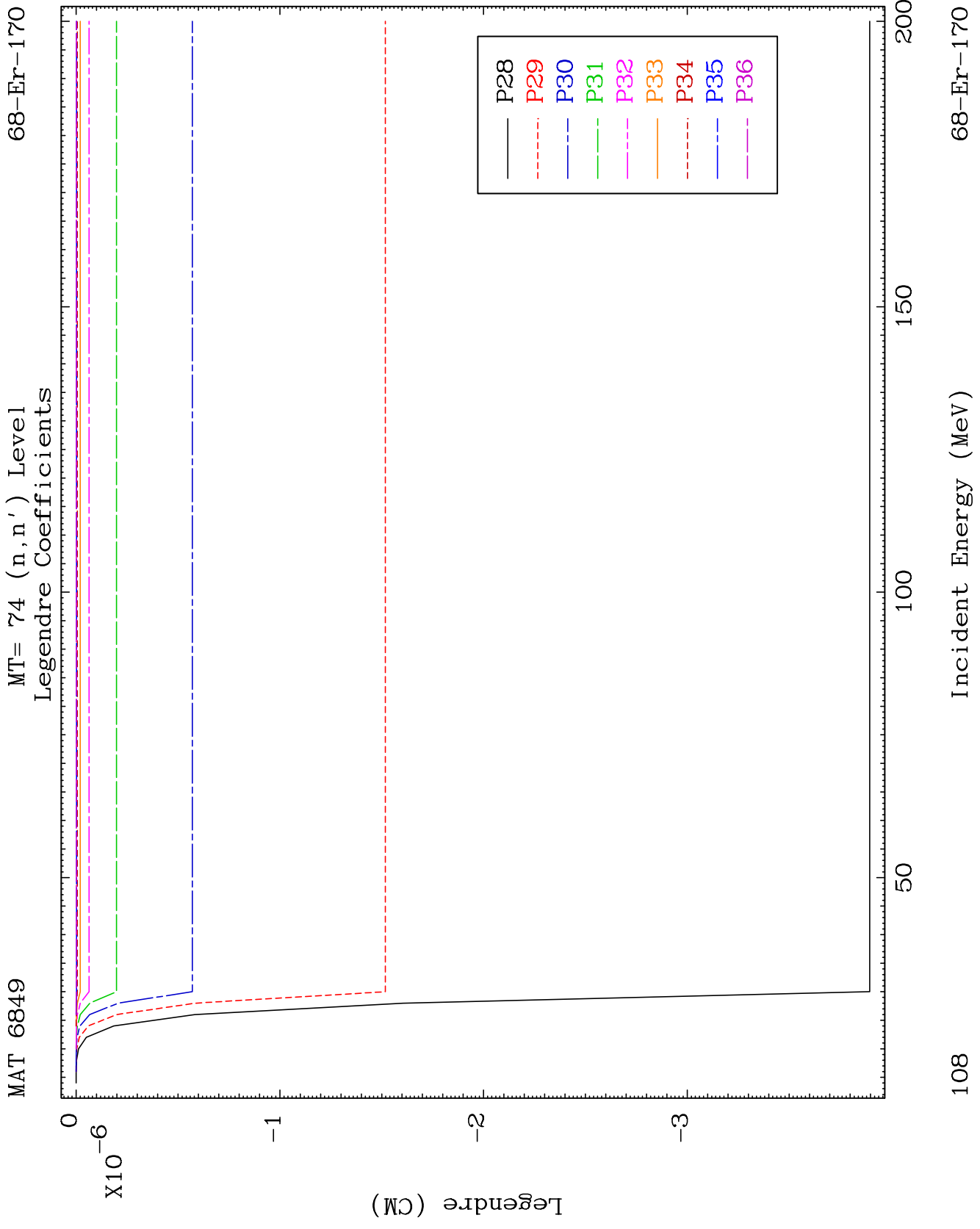
68-Er-170



107

Incident Energy (MeV)

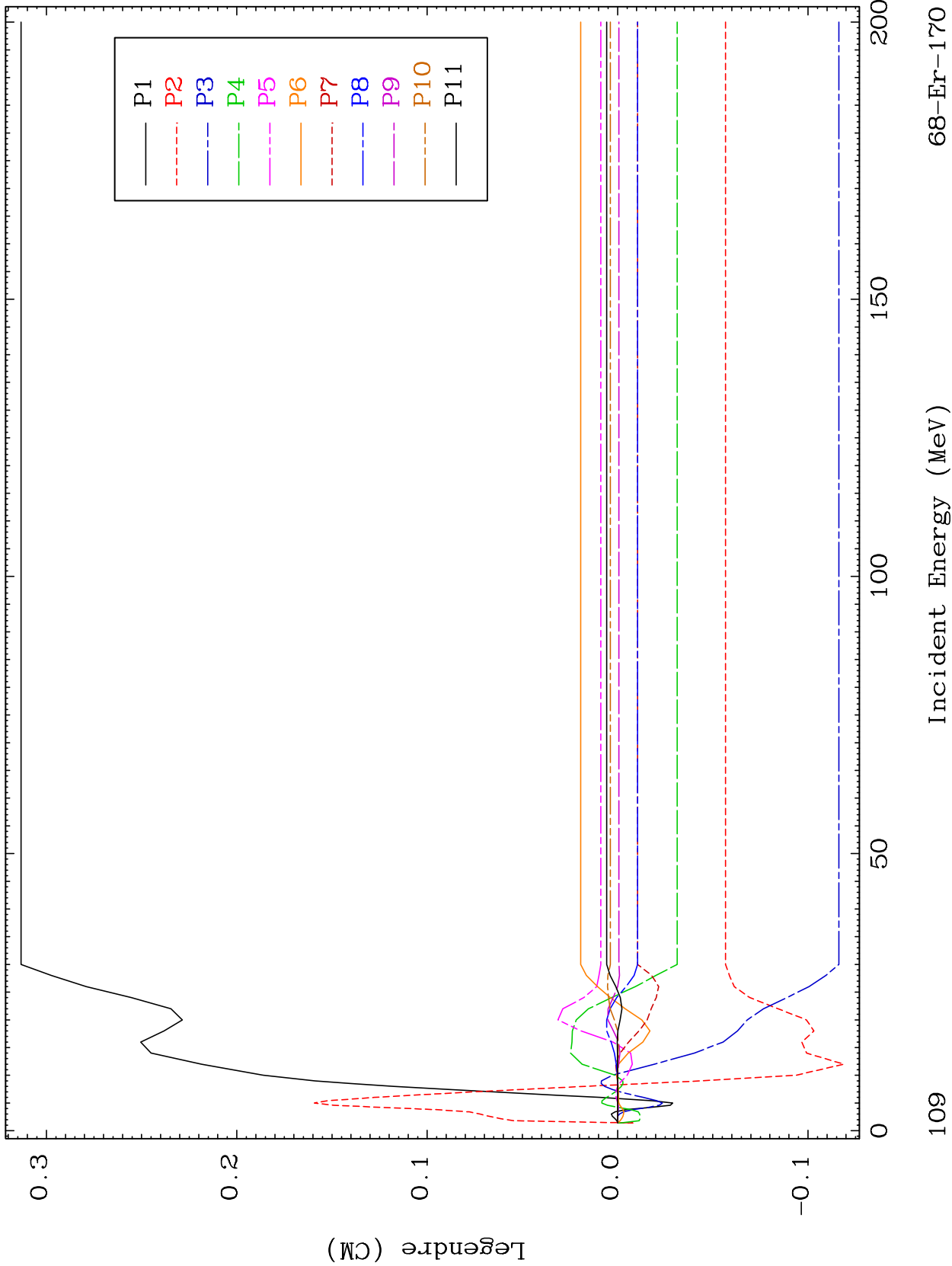
68-Er-170



MAT 6849

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

68-Er-170



68-Er-170

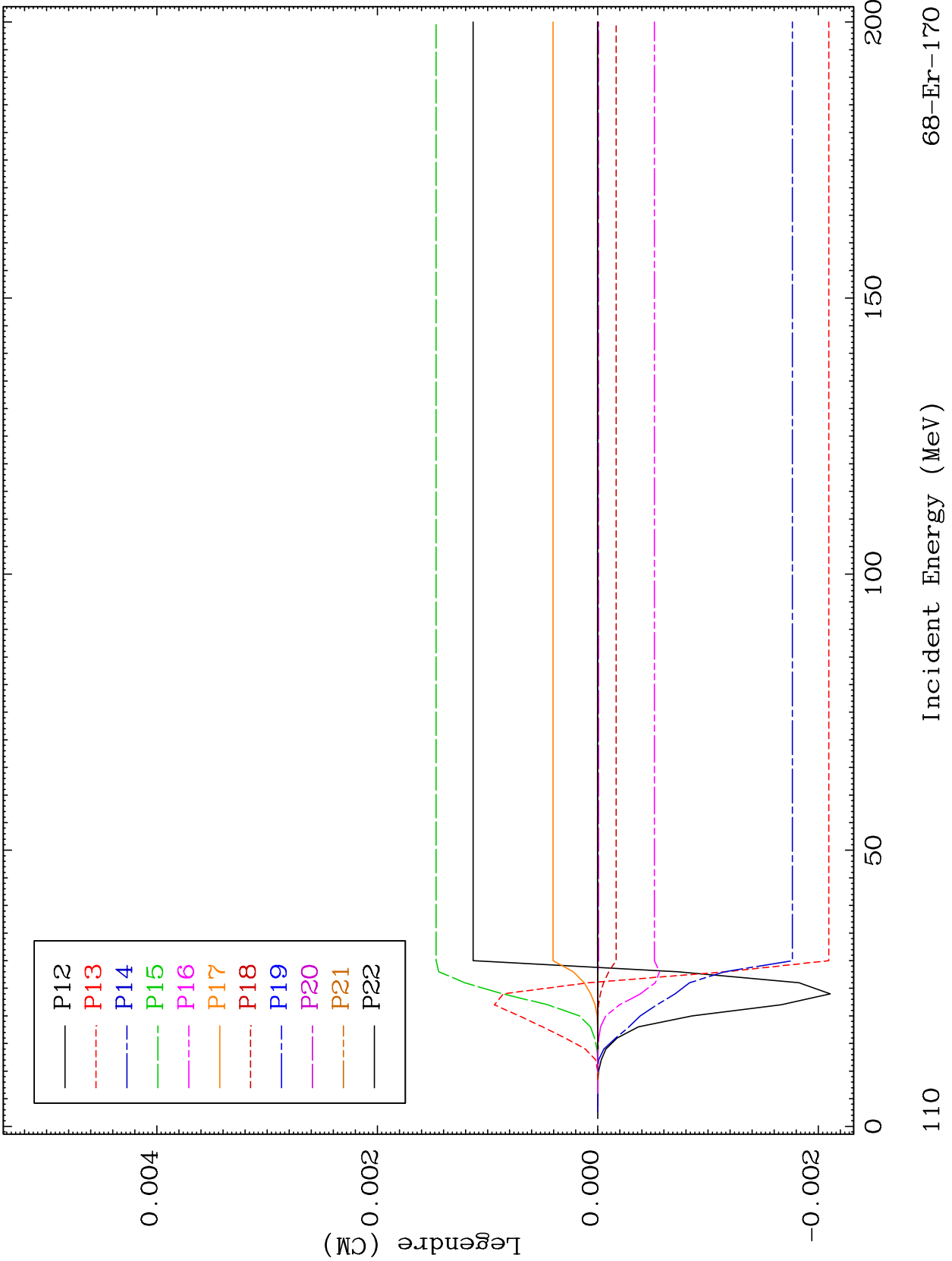
Incident Energy (MeV)

109

MAT 6849

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

68-Er-170



68-Er-170

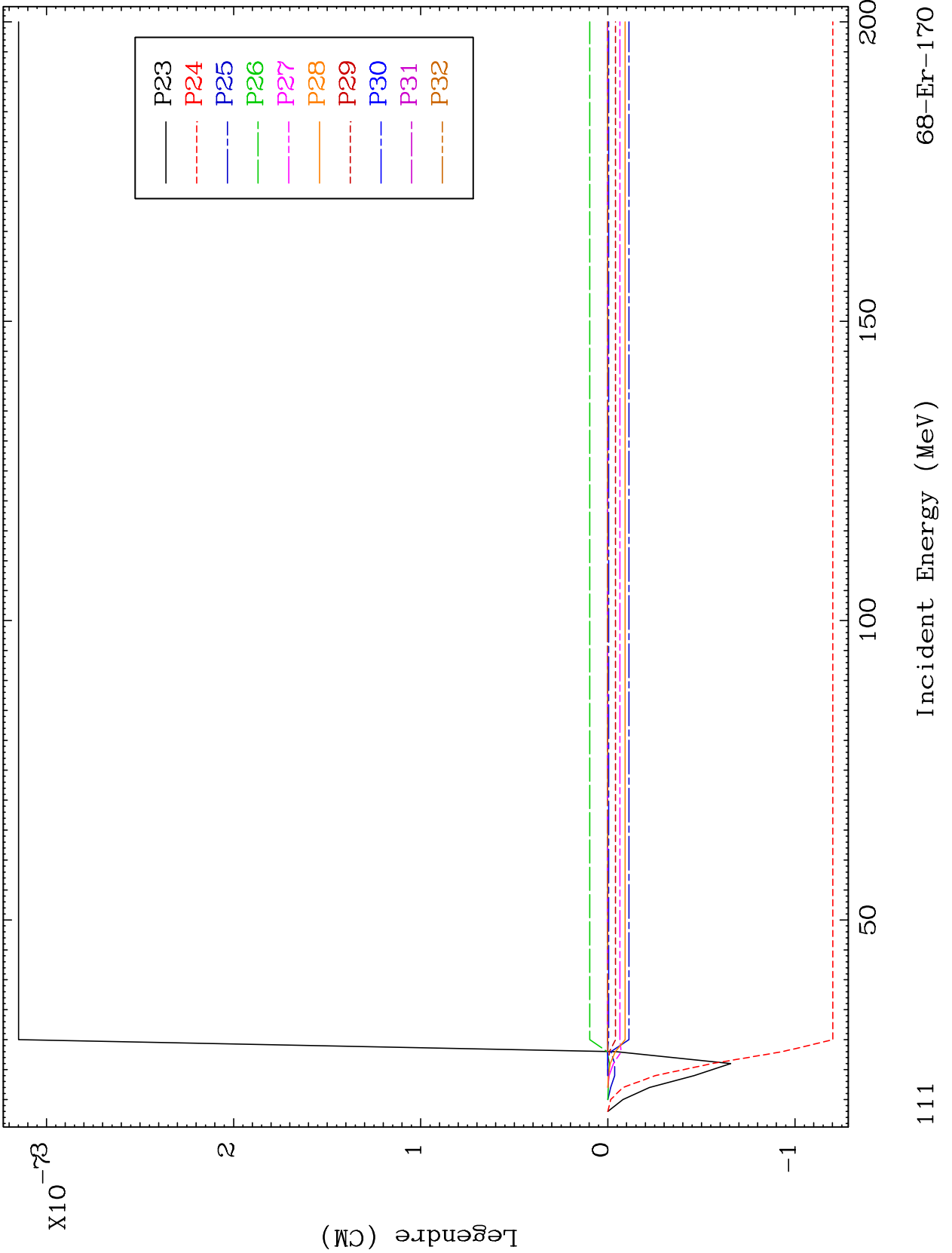
Incident Energy (MeV)

110

MAT 6849

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

68-Er-170



111

Incident Energy (MeV)

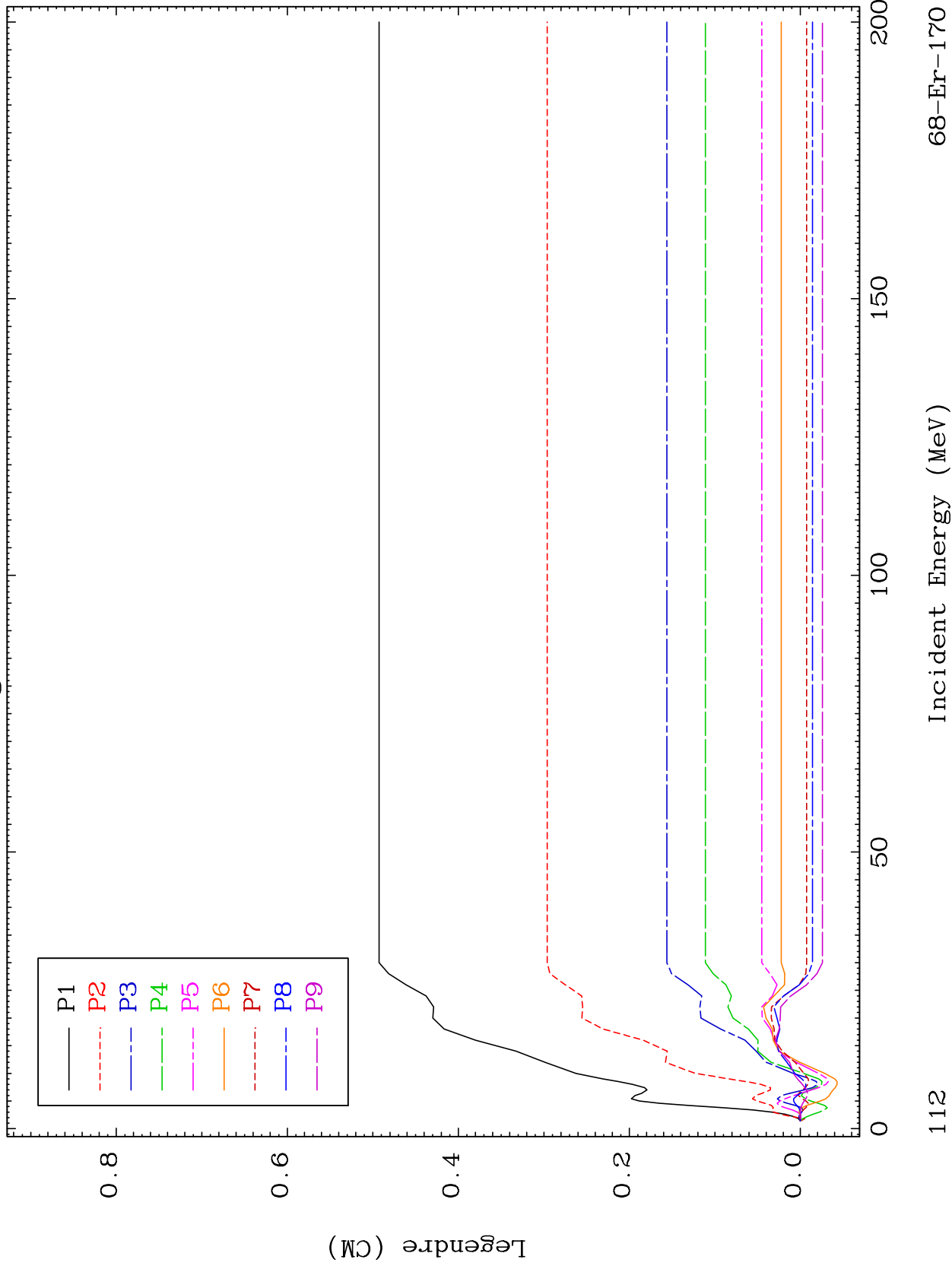
68-Er-170



MAT 6849

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

68-Er-170



68-Er-170

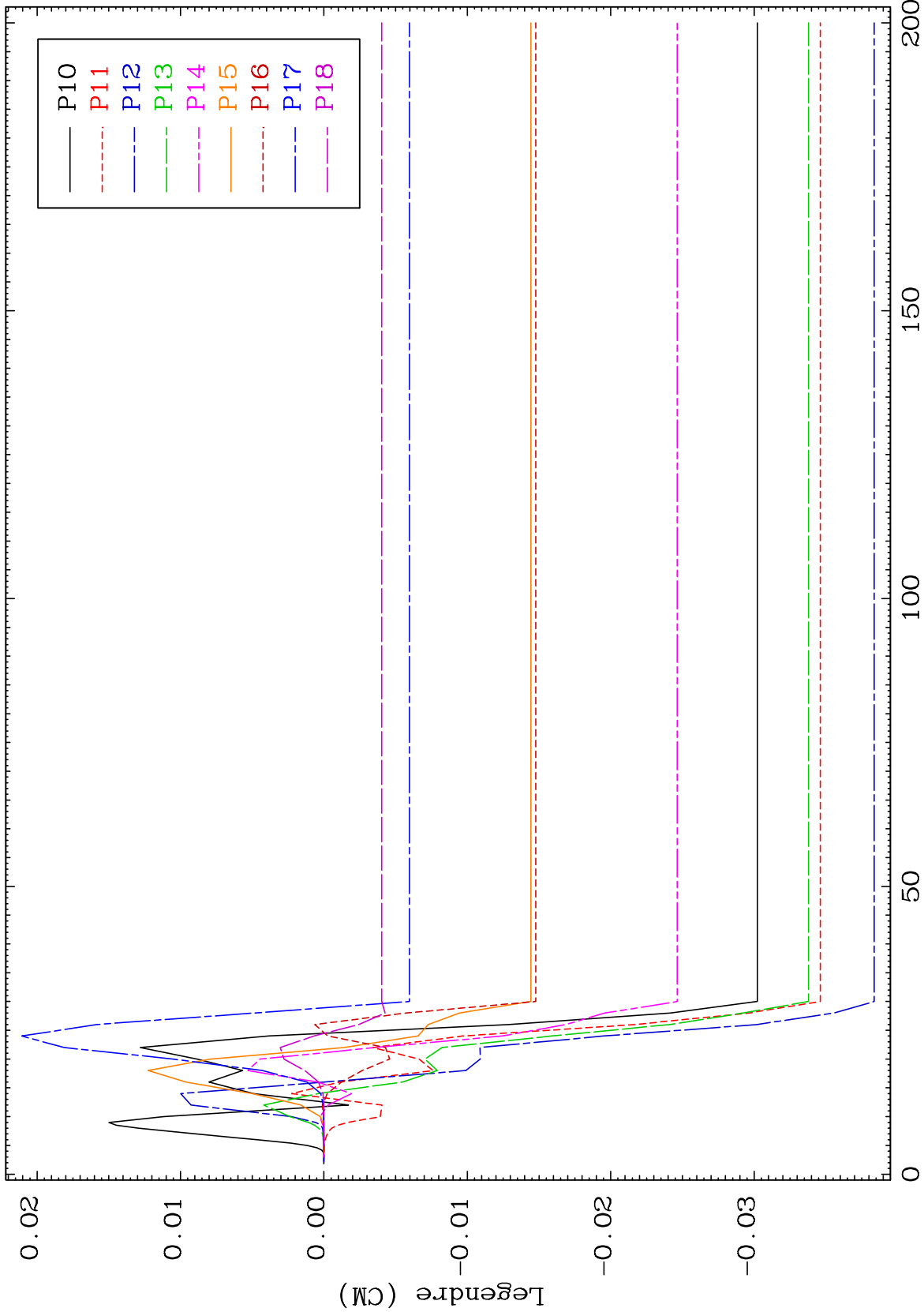
Incident Energy (MeV)

112

MAT 6849

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

68-Er-170



113

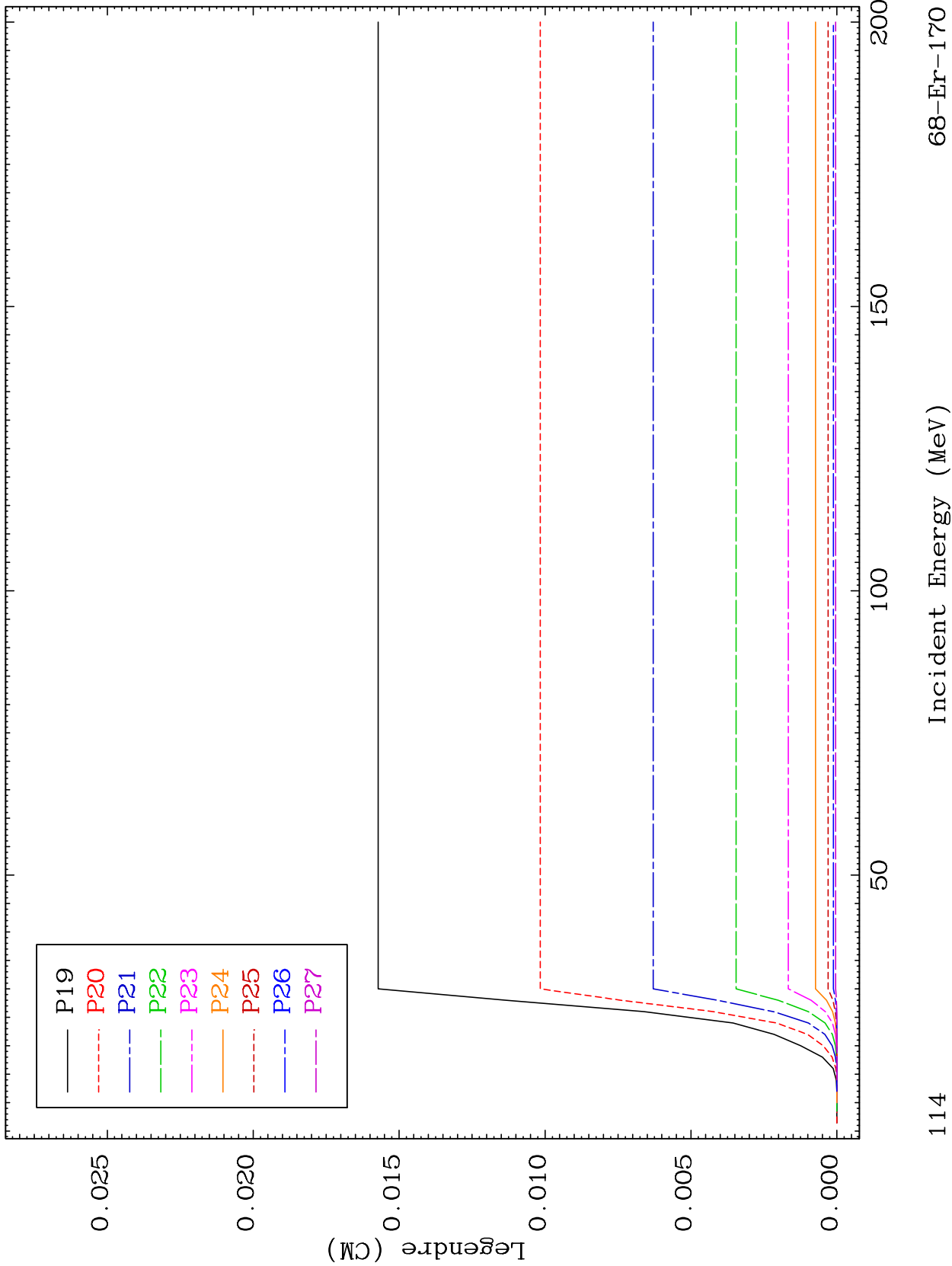
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



114

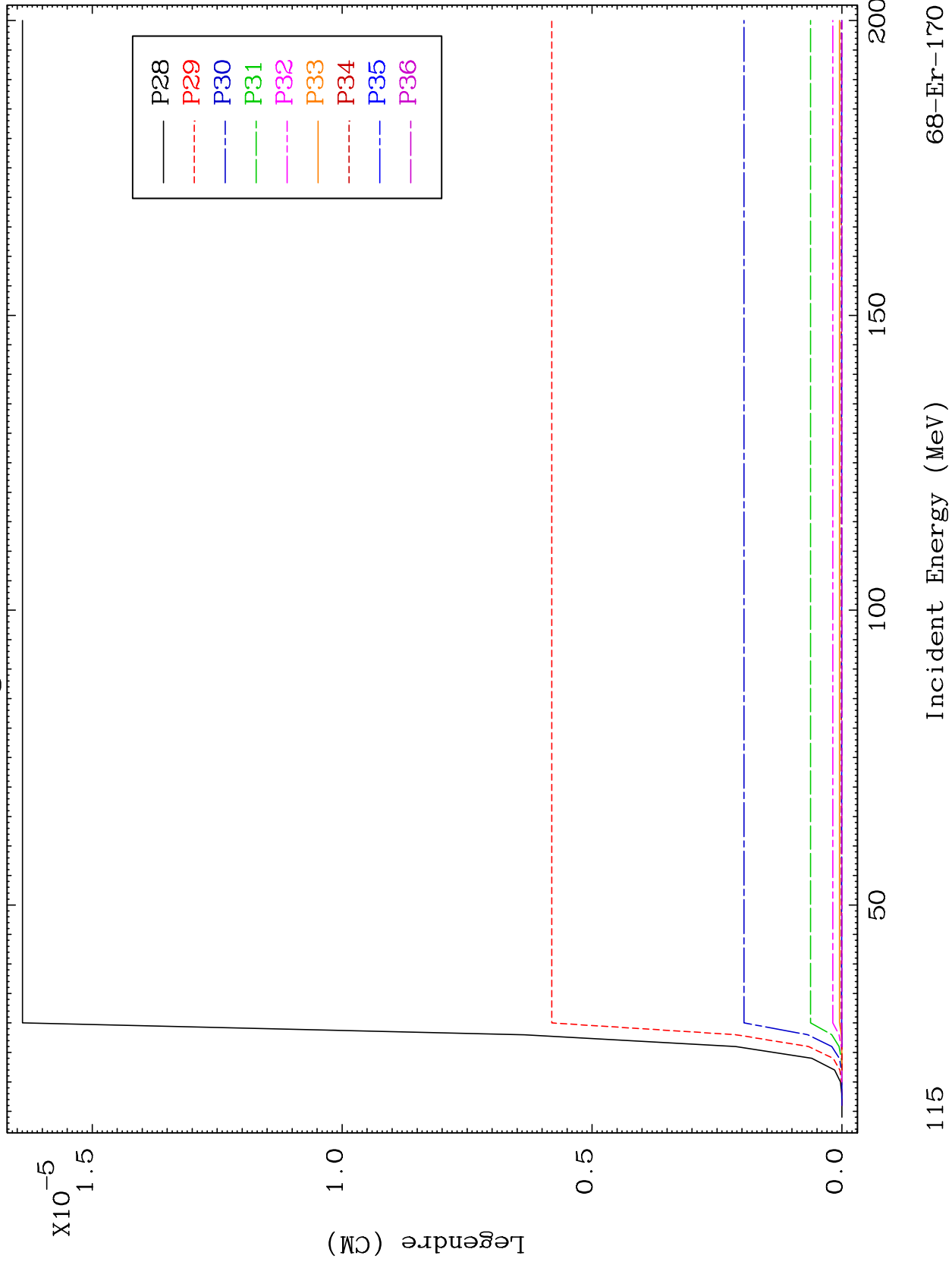
Incident Energy (MeV)

68-Er-170

MAT 6849

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

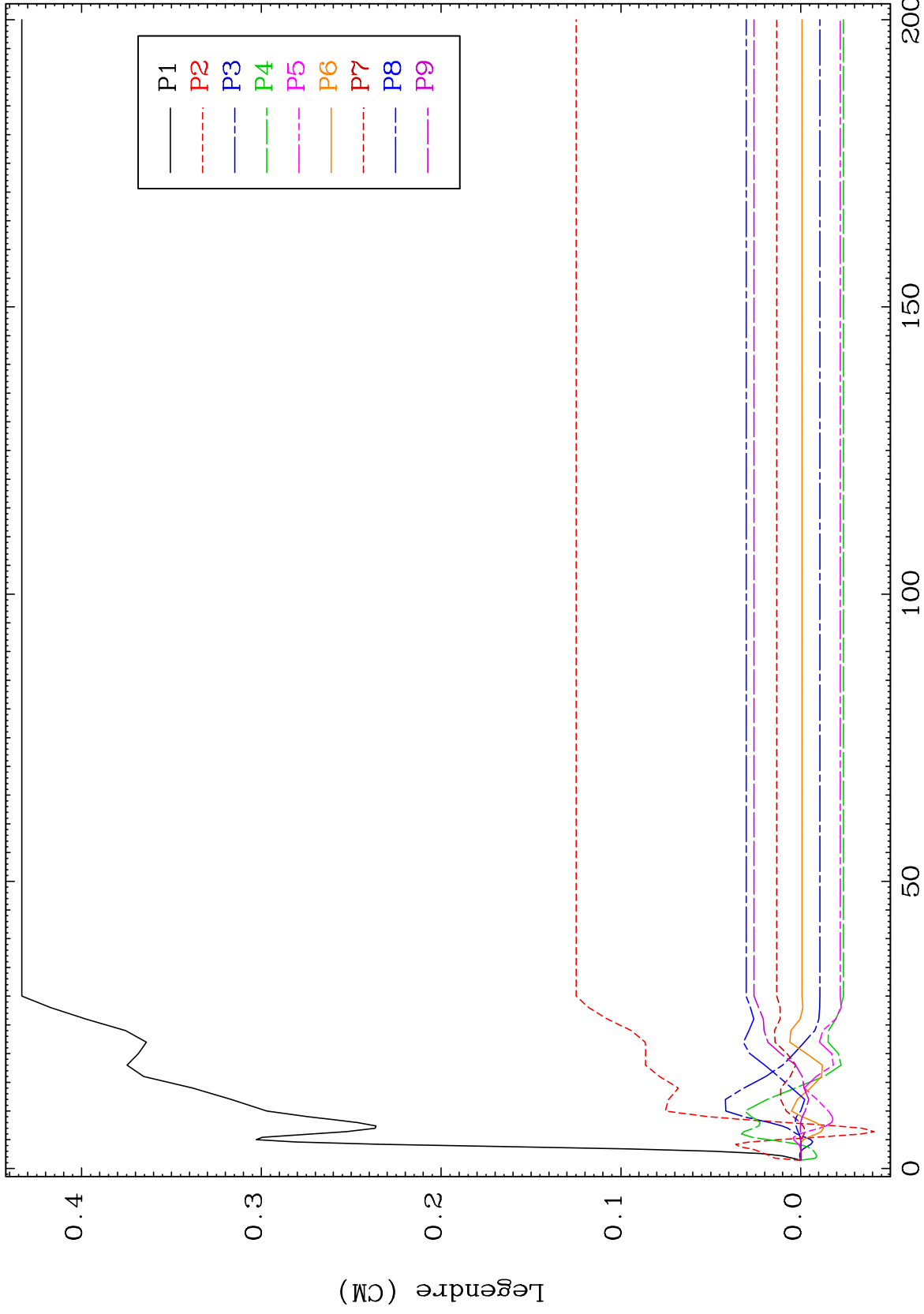
68-Er-170



MAT 6849

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

68-Er-170



116

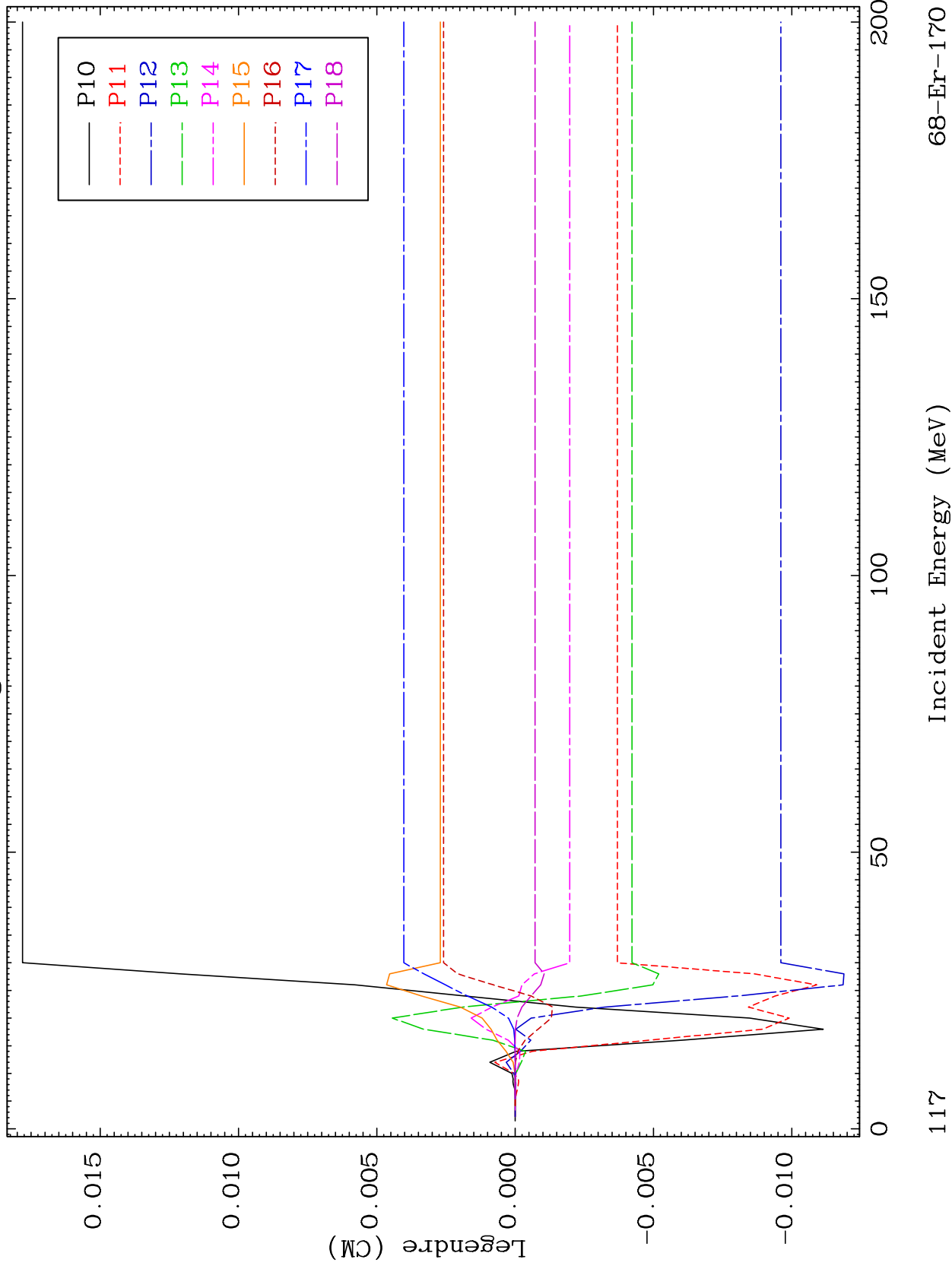
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



117

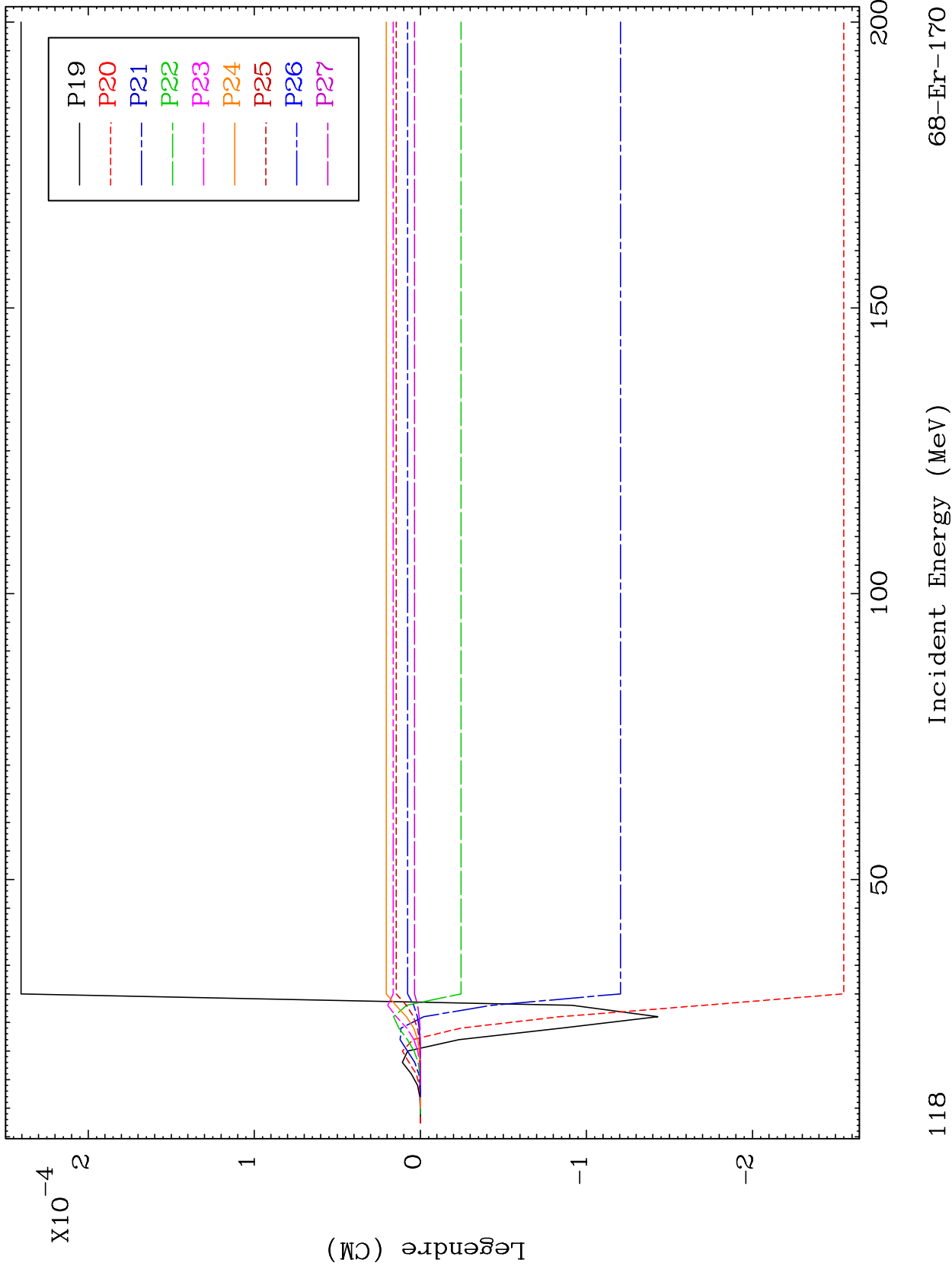
Incident Energy (MeV)

68-Er-170

MAT 6849

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

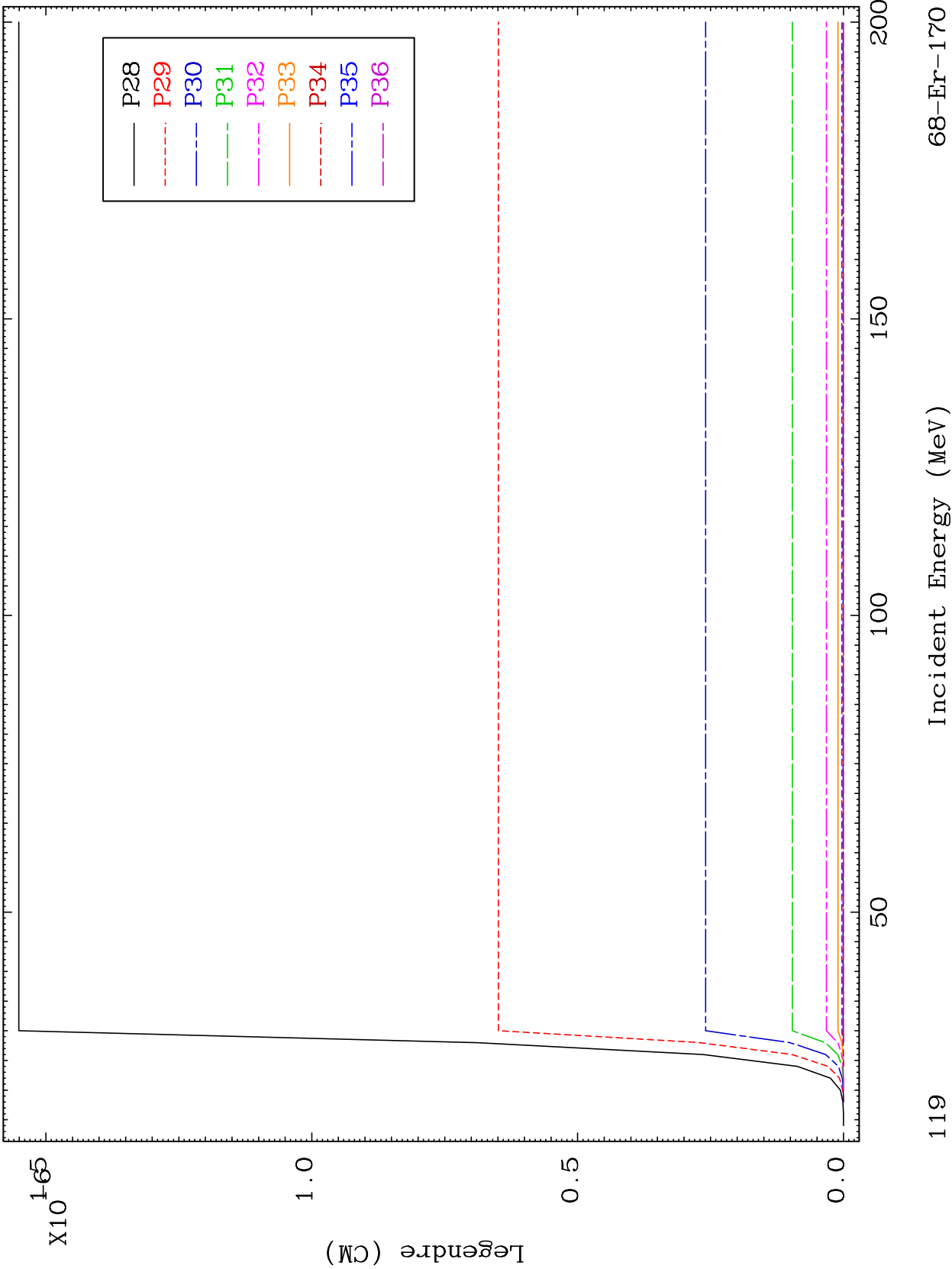
68-Er-170



MAT 6849

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

68-Er-170



119

Incident Energy (MeV)

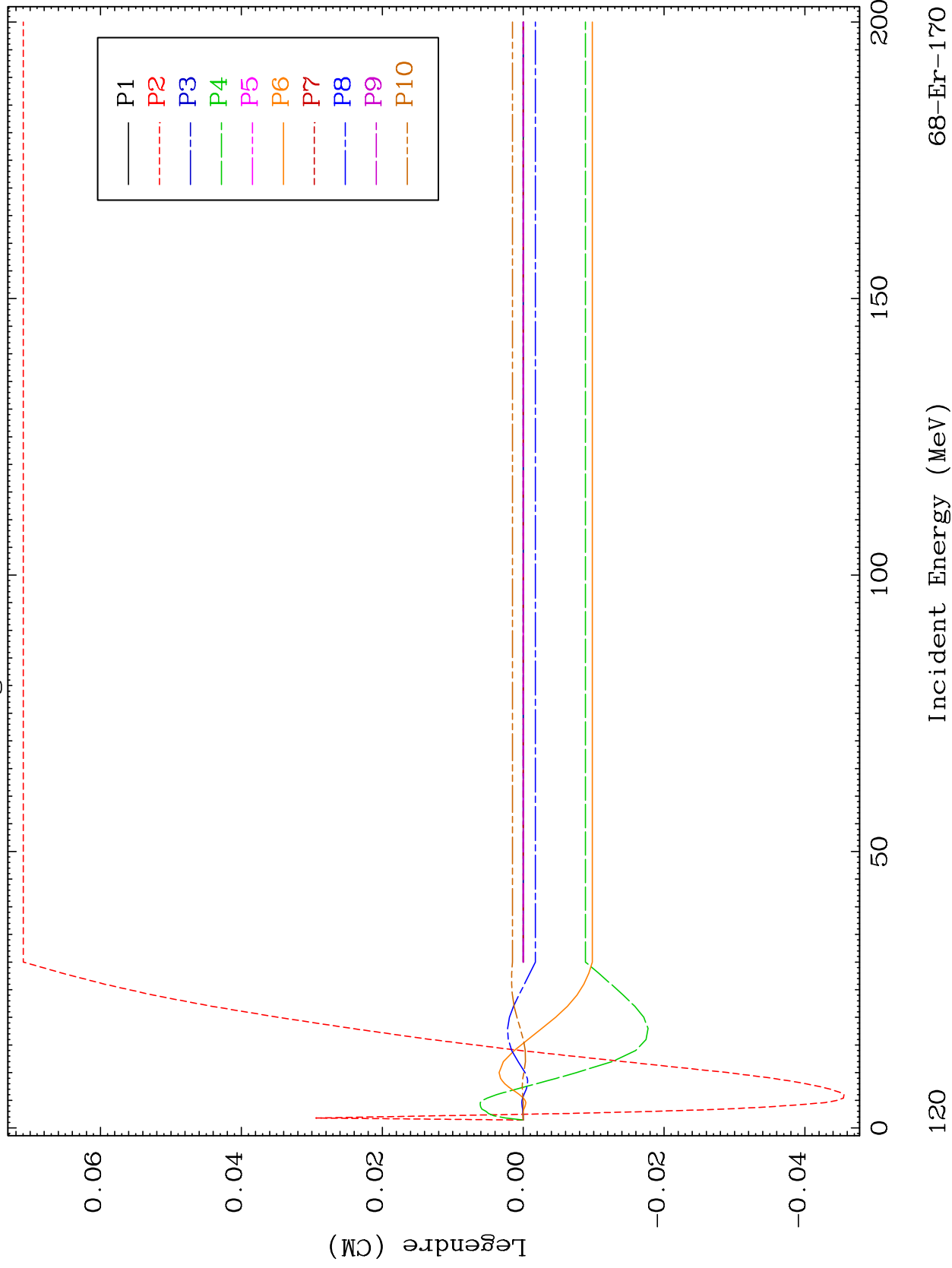
68-Er-170



MAT 6849

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

68-Er-170



68-Er-170

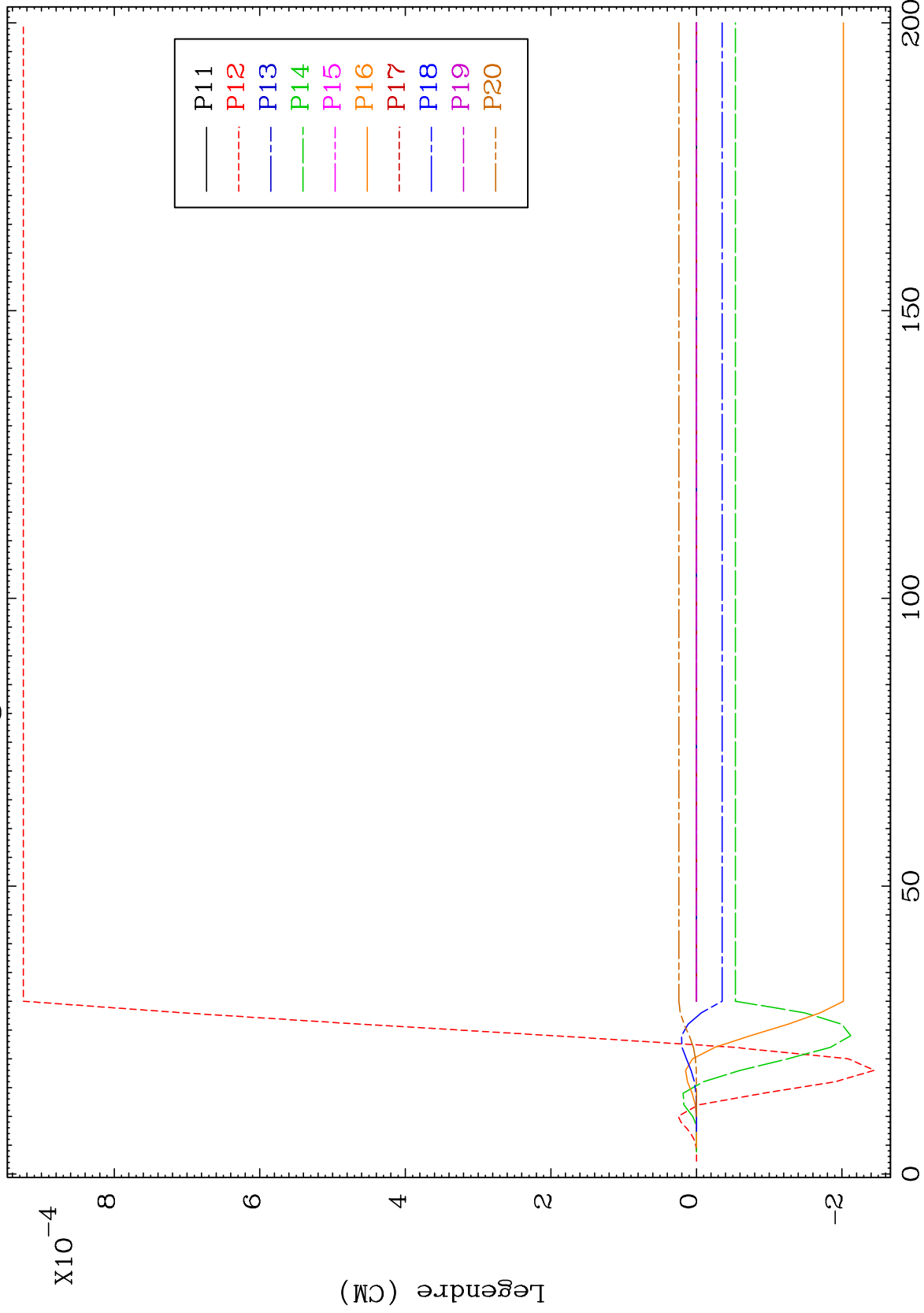
Incident Energy (MeV)

120

MAT 6849

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

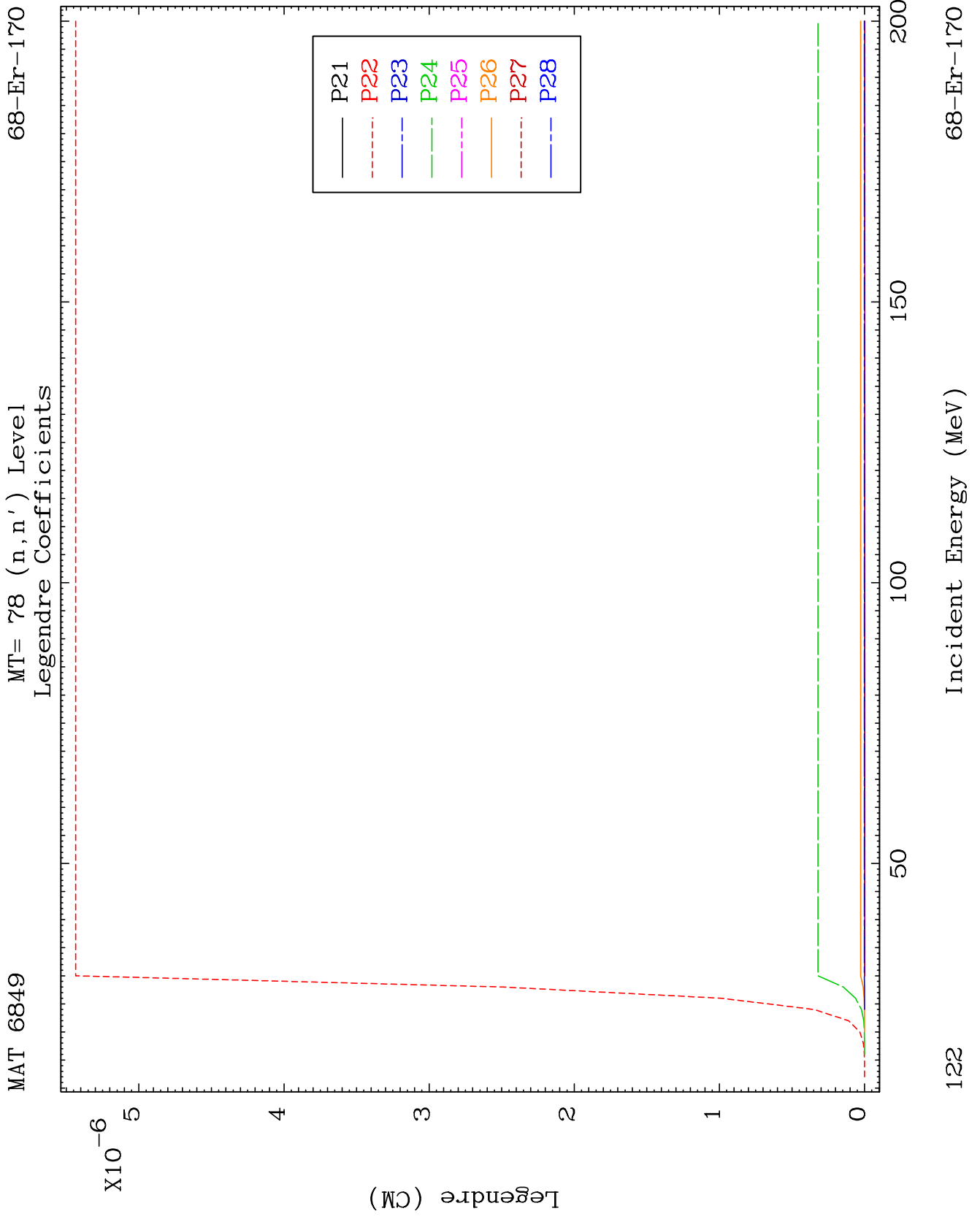
68-Er-170



121

Incident Energy (MeV)

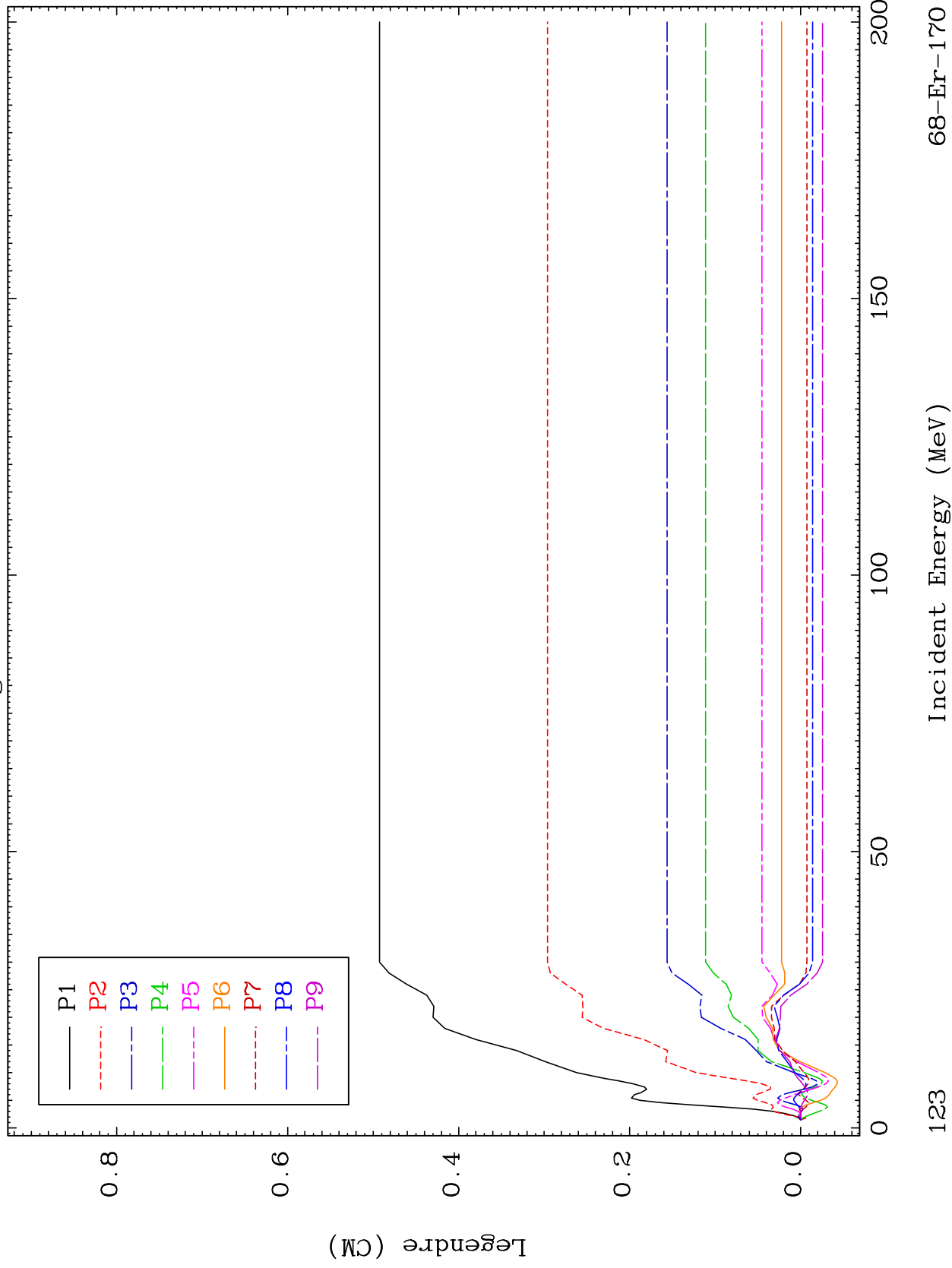
68-Er-170



MAT 6849

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

68-Er-170

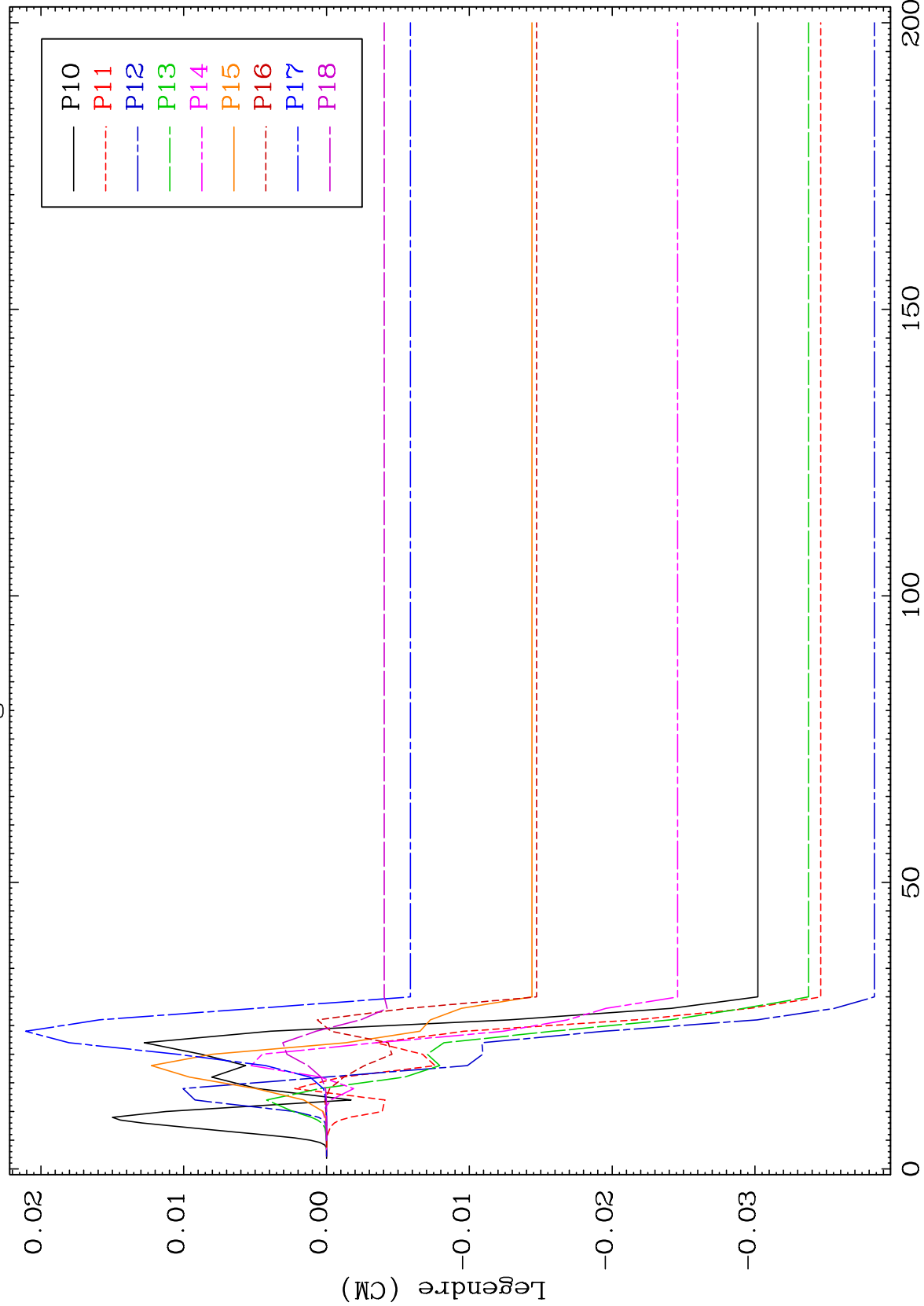


123

MAT 6849

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

68-Er-170



124

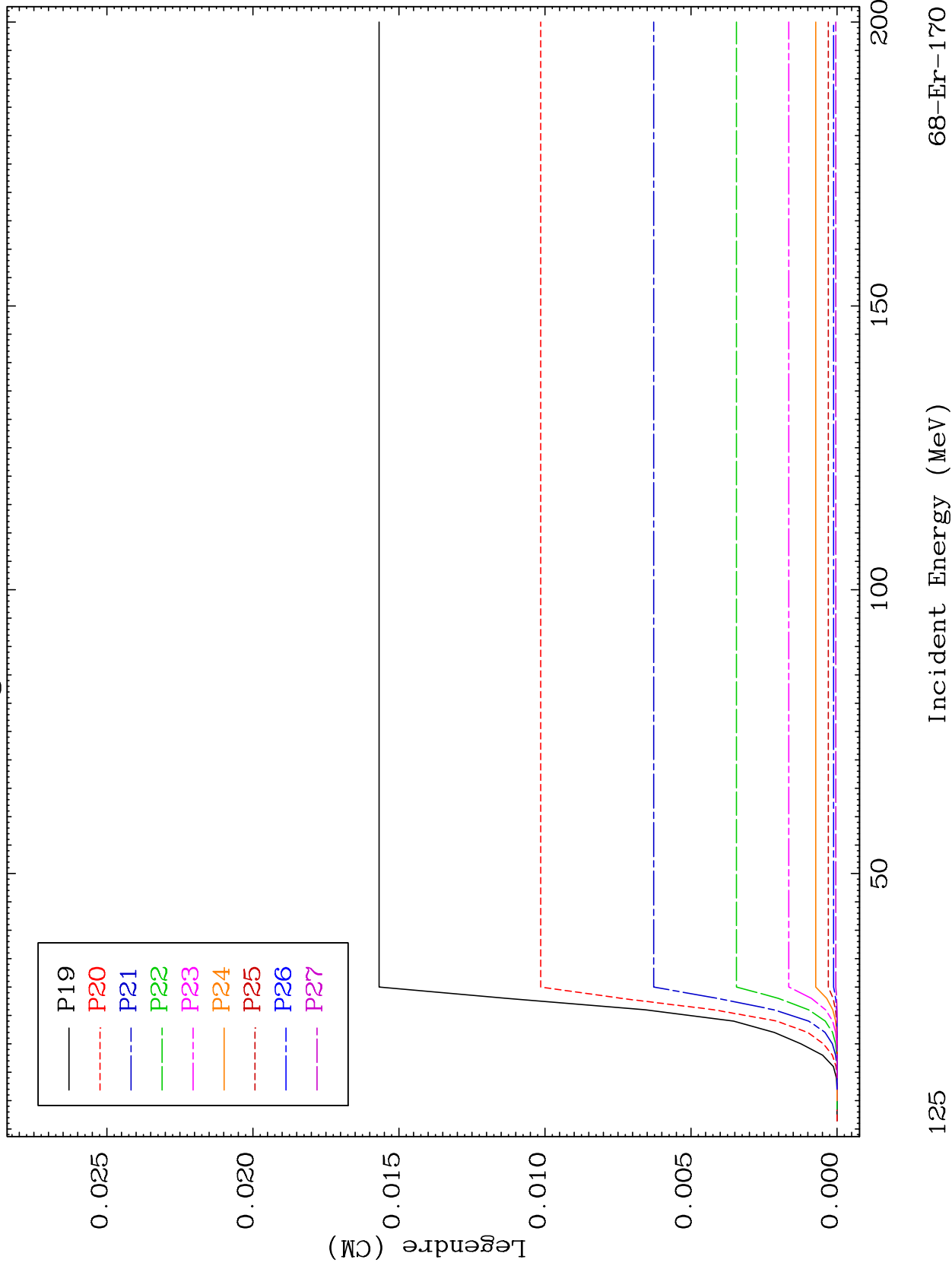
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



125

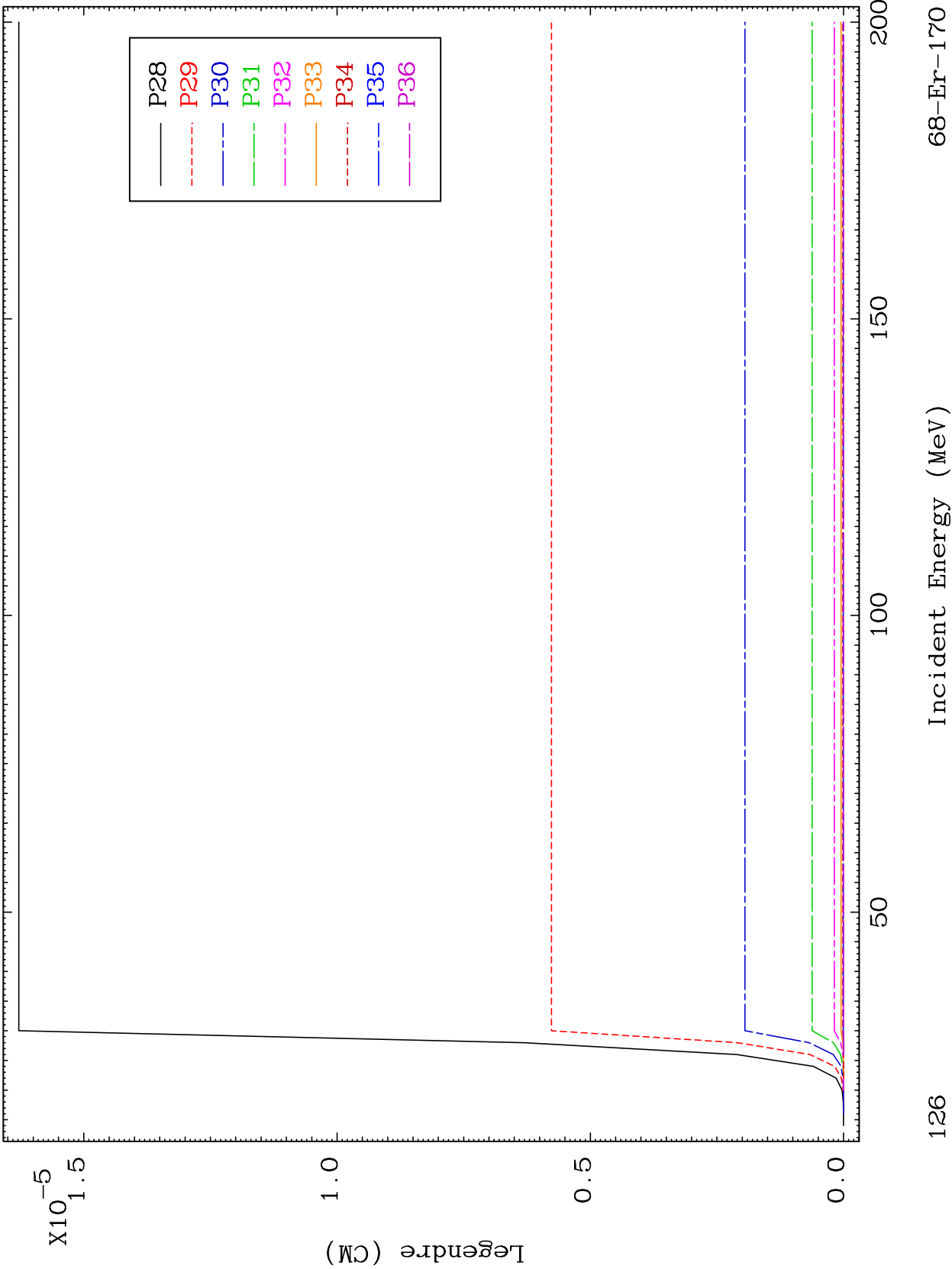
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



126

Incident Energy (MeV)

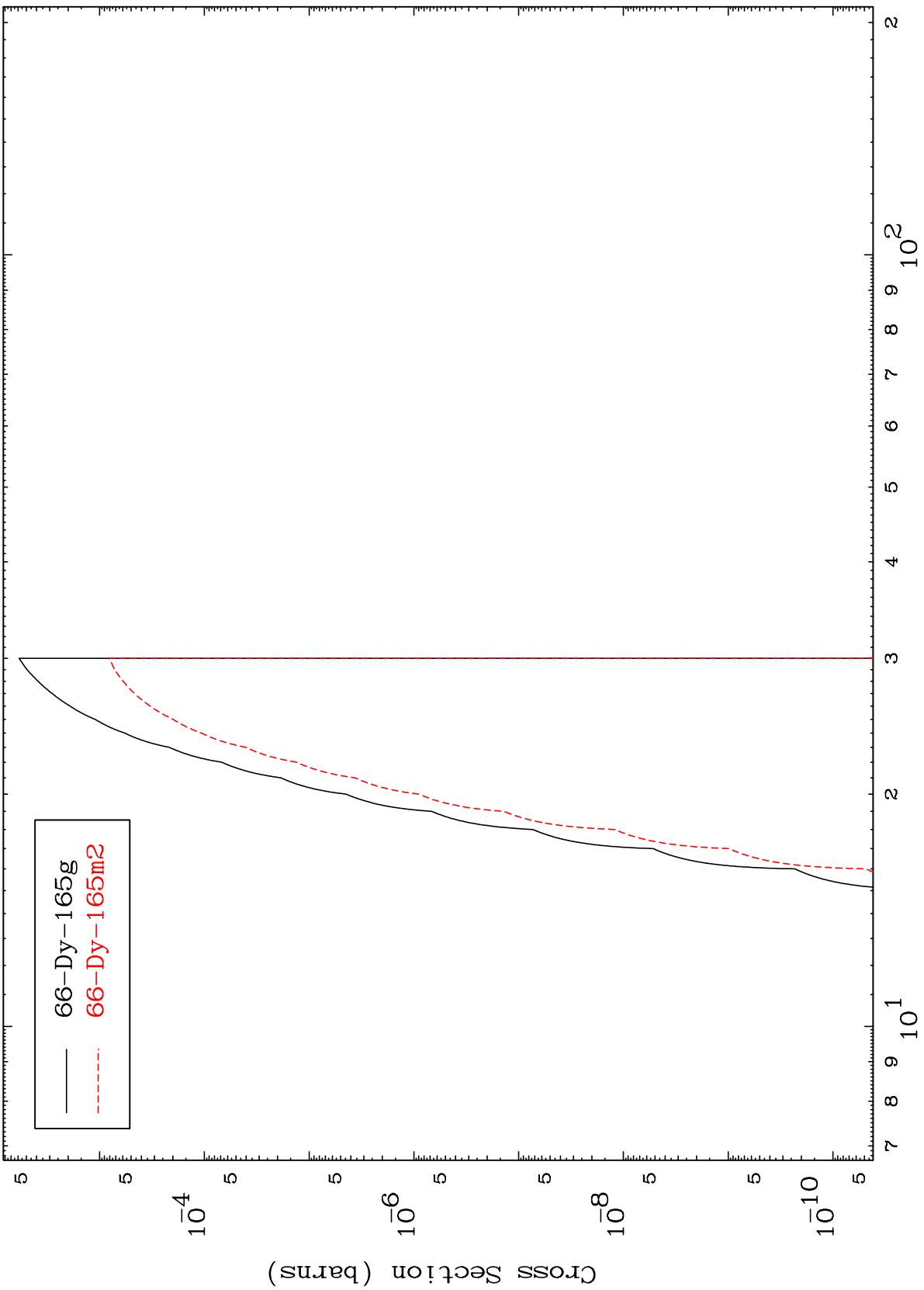
68-Er-170

MAT 6849

$(n,2n) \alpha$

68-Er-170

Radionuclide Production Cross Section



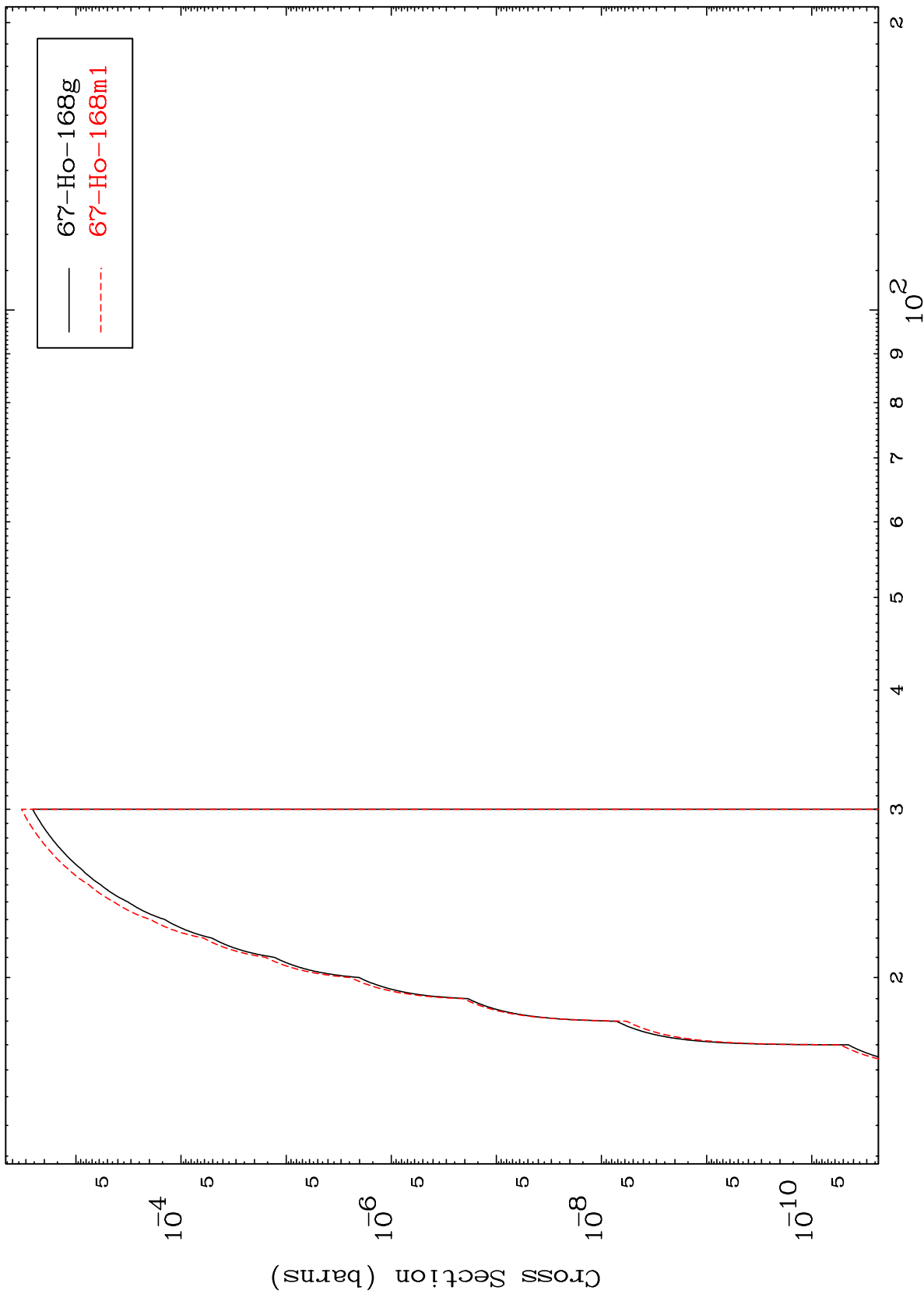
127

Incident Energy (MeV)

68-Er-170



Radionuclide Production Cross Section

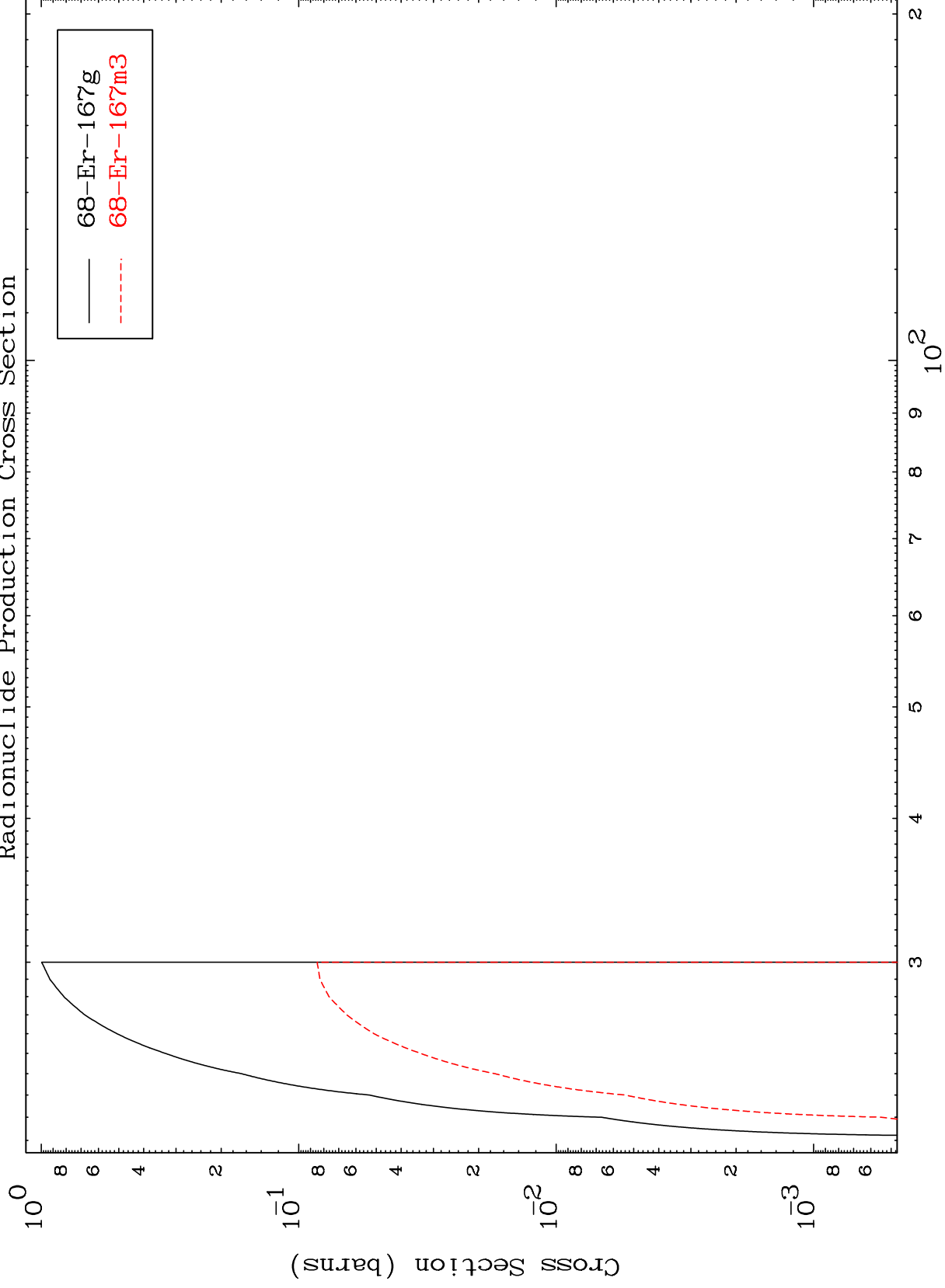


MAT 6849

(n,4n)

68-Er-170

Radionuclide Production Cross Section



68-Er-167g  
68-Er-167m3

129

Incident Energy (MeV)

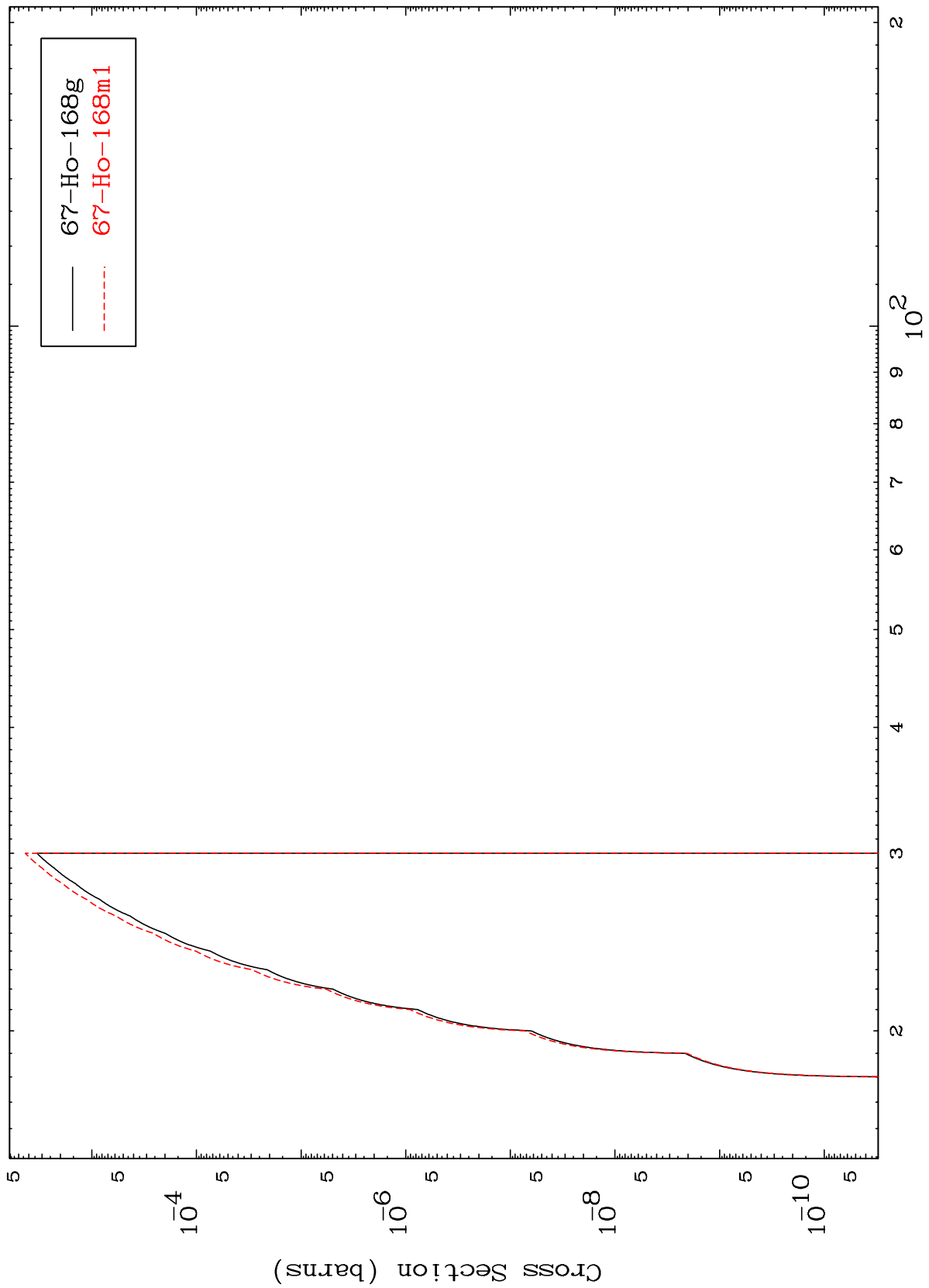
68-Er-170

MAT 6849

(n,2n) p

68-Er-170

Radionuclide Production Cross Section



130

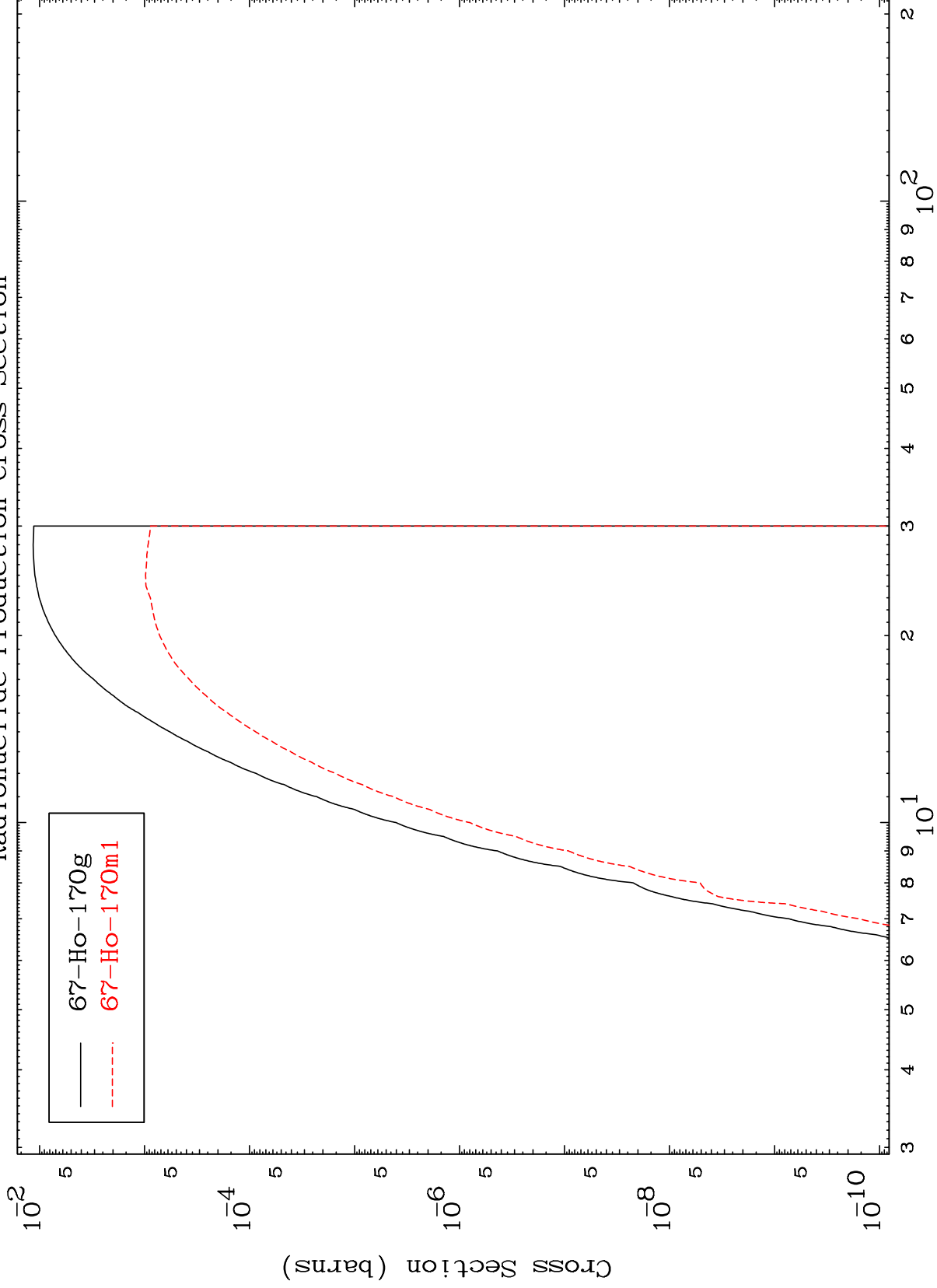
Incident Energy (MeV)

68-Er-170

MAT 6849

68-Er-170

(n,p)  
Radionuclide Production Cross Section



68-Er-170

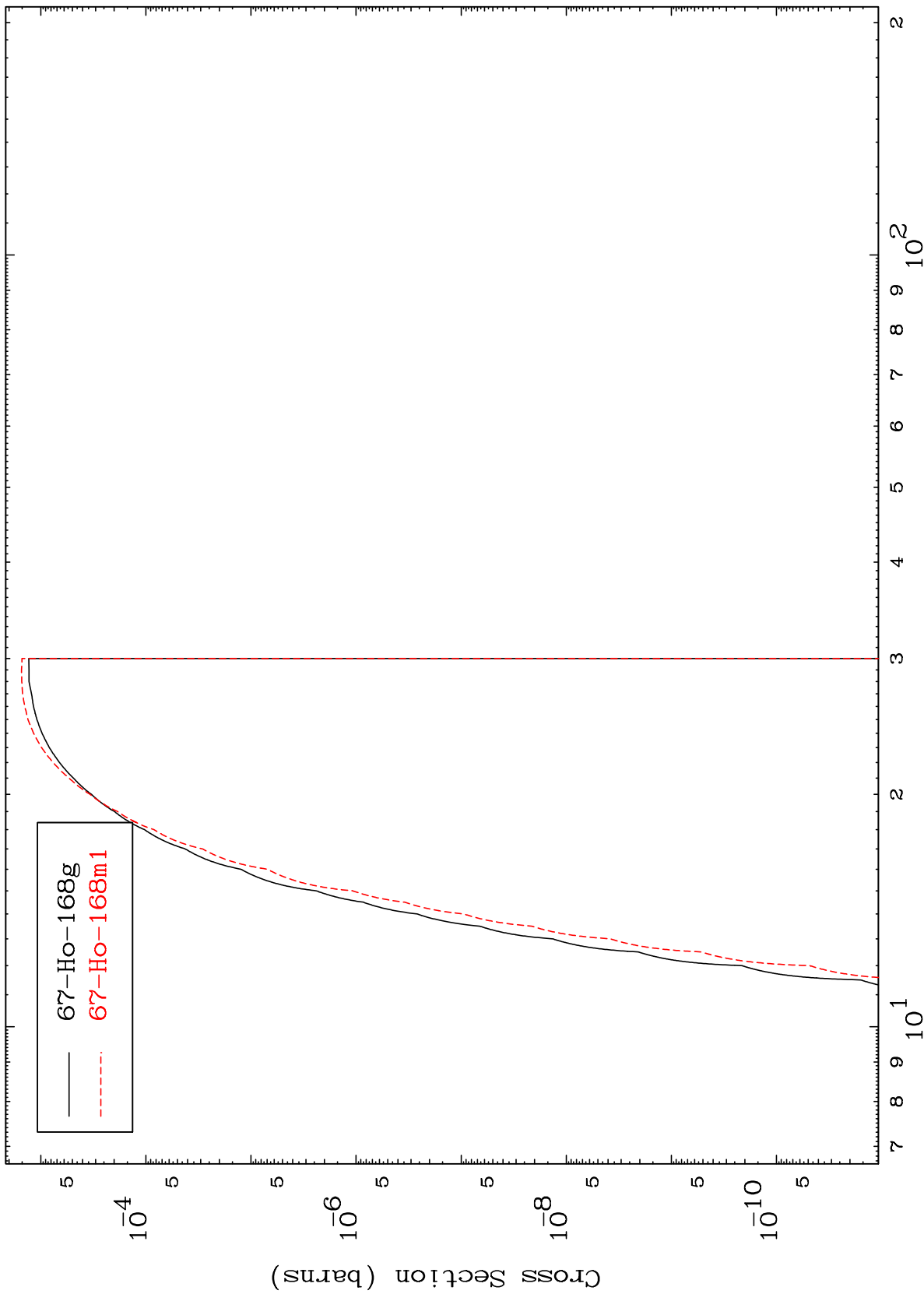
Incident Energy (MeV)

131

MAT 6849

68-Er-170

(n, t)  
Radionuclide Production Cross Section



132

Incident Energy (MeV)

68-Er-170