

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

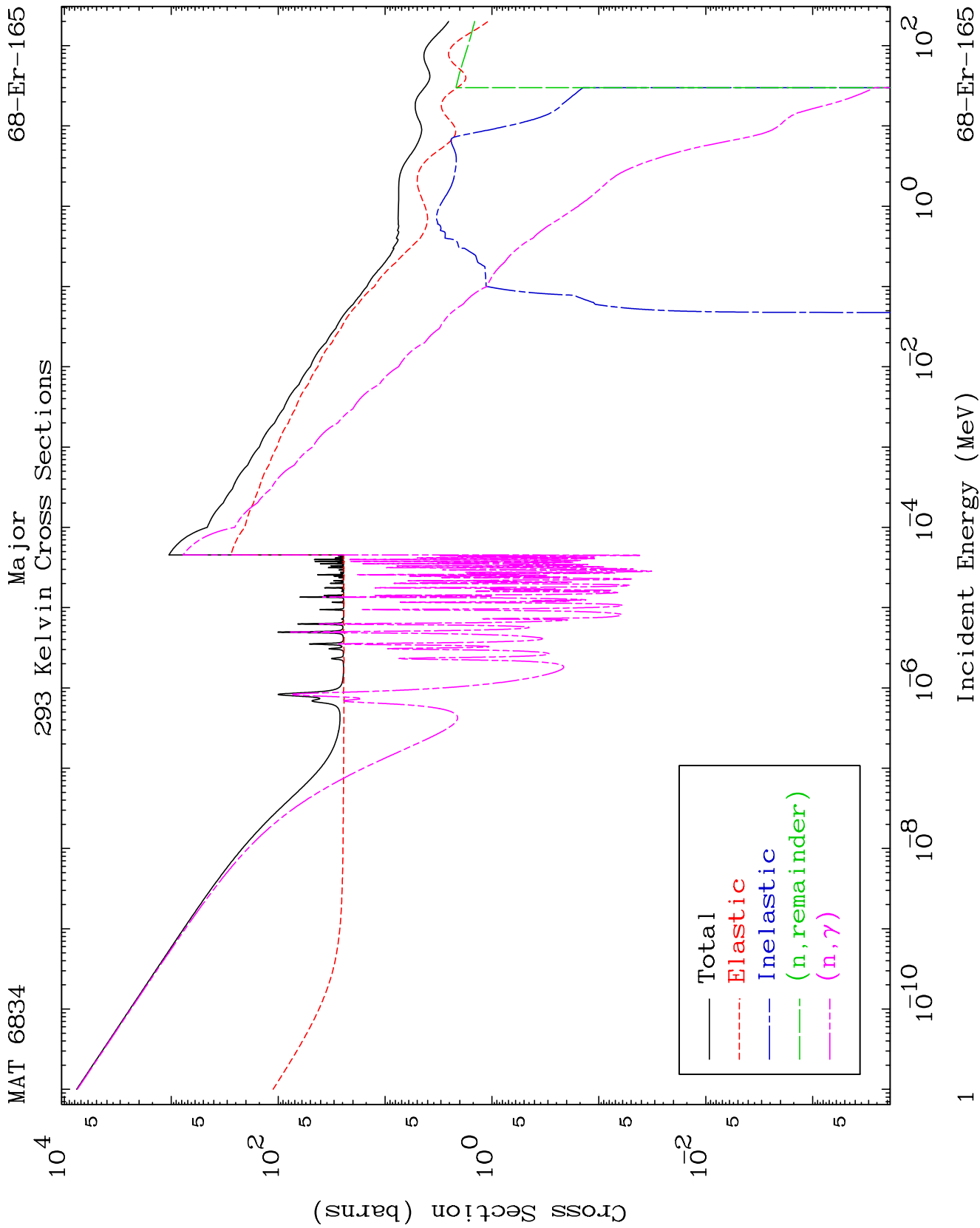
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

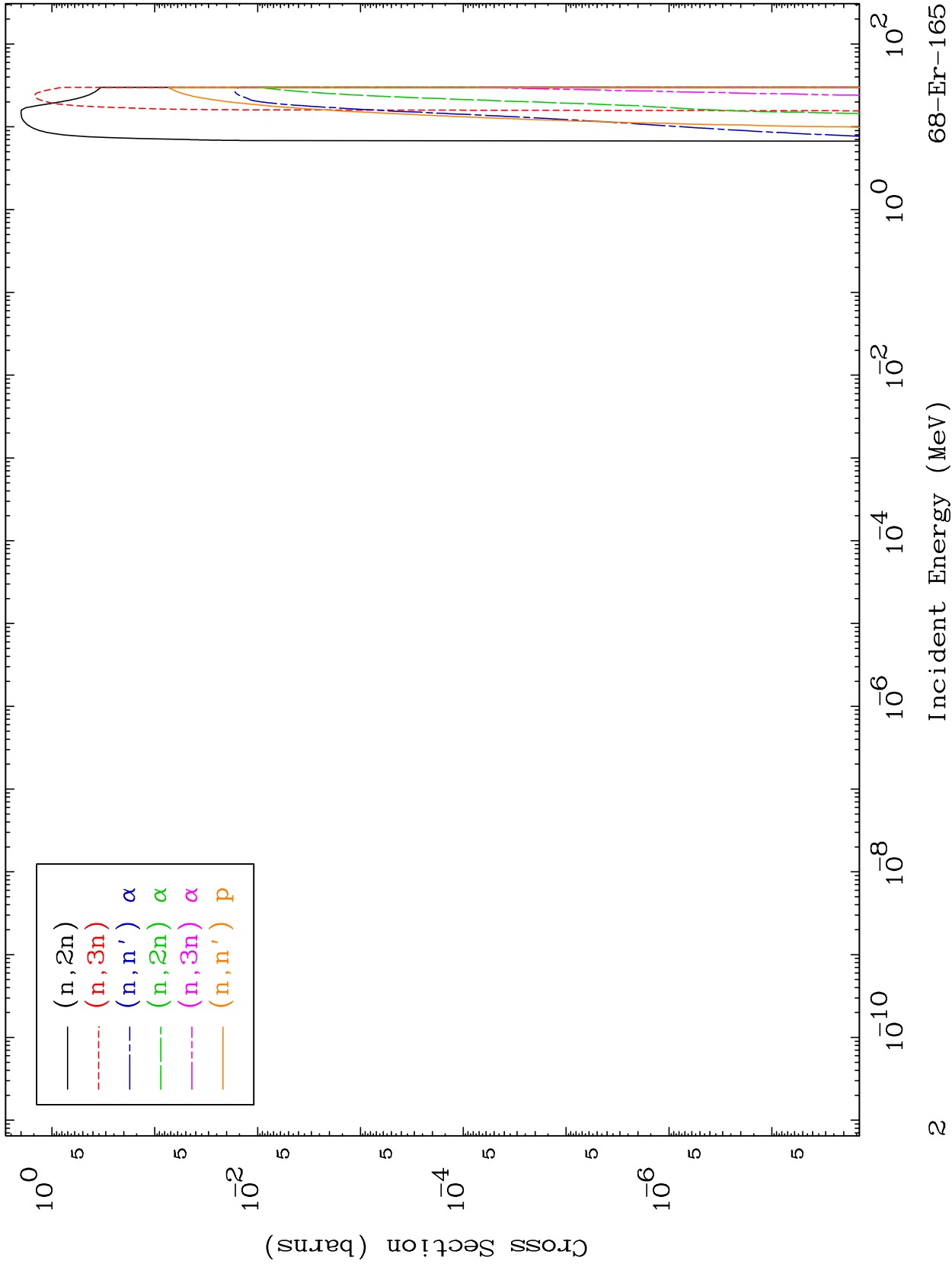
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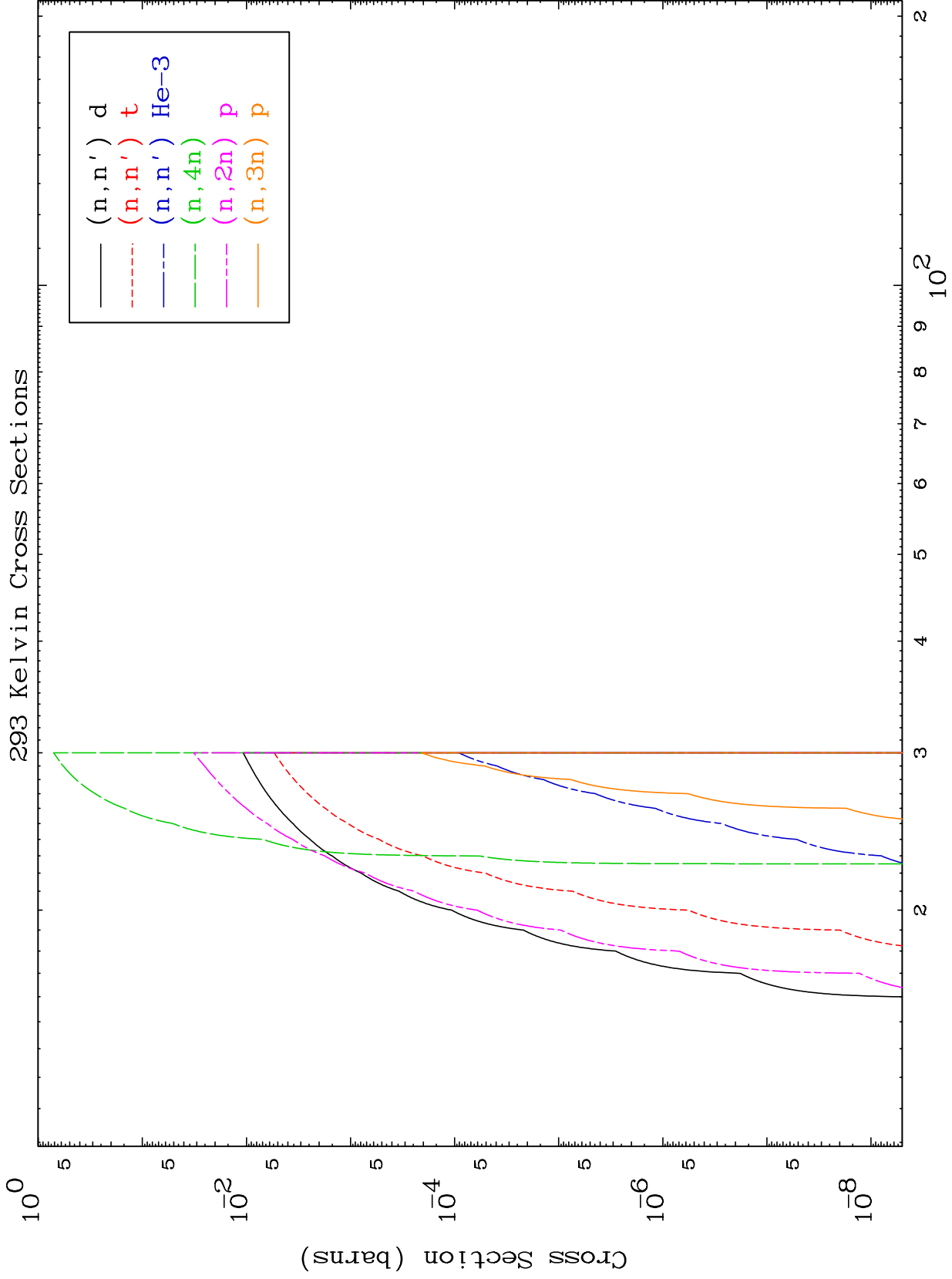


MAT 6834

Neutron Production
293 Kelvin Cross Sections

68-Er-165

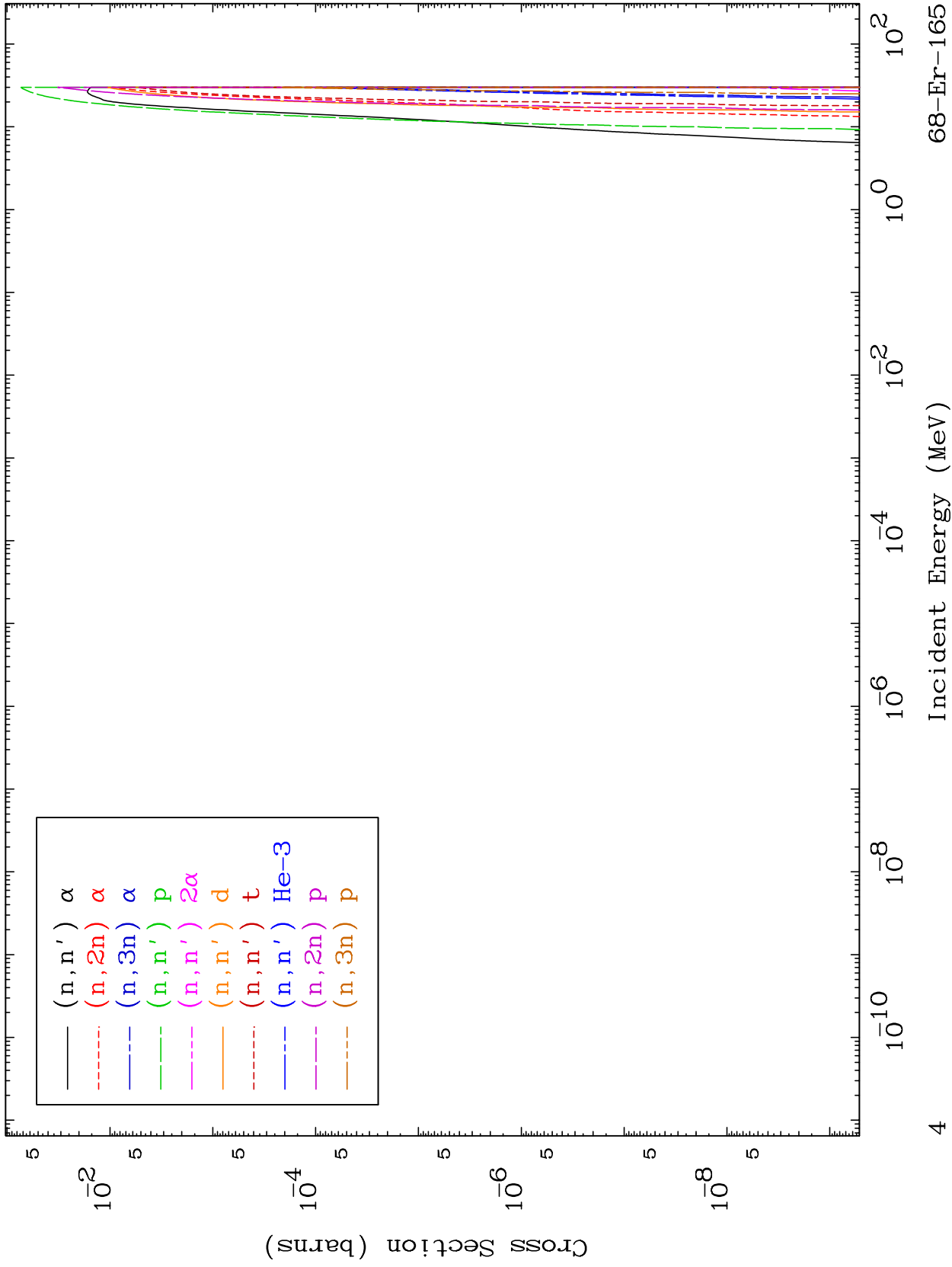




MAT 6834

Charged Particle
293 Kelvin Cross Sections

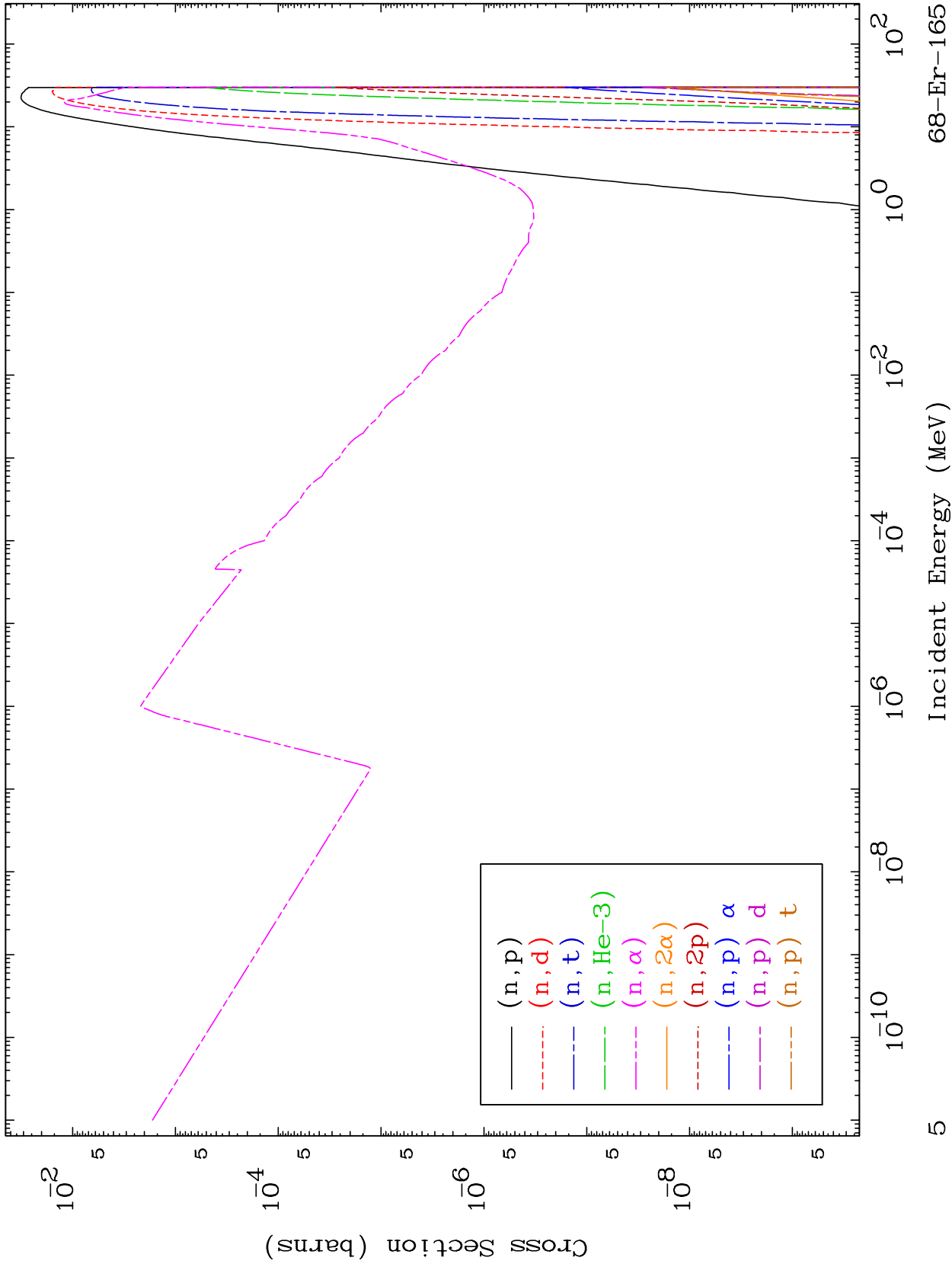
68-Er-165



MAT 6834

Charged Particle
293 Kelvin Cross Sections

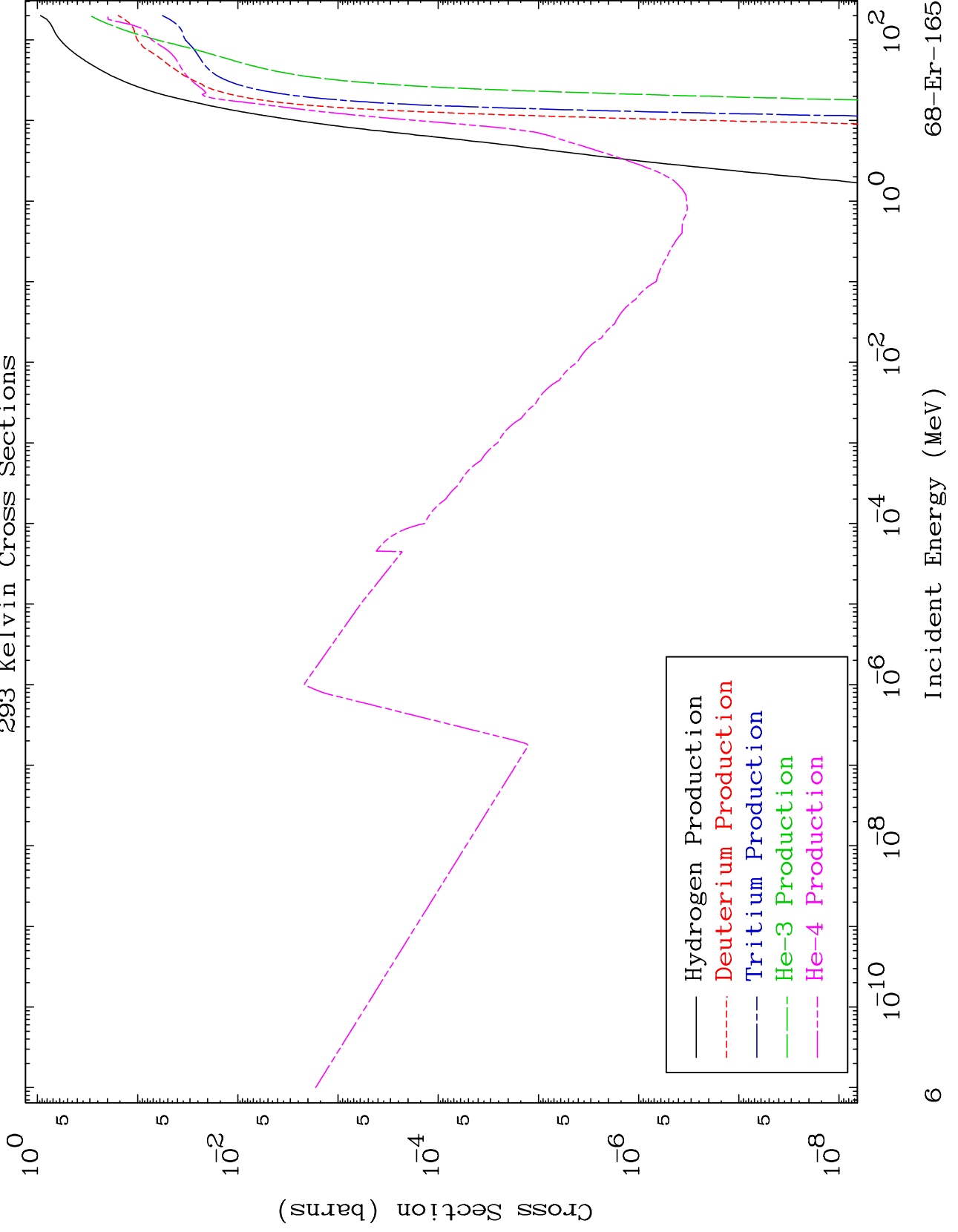
68-Er-165



MAT 6834

Particle Production
293 Kelvin Cross Sections

68-Er-165

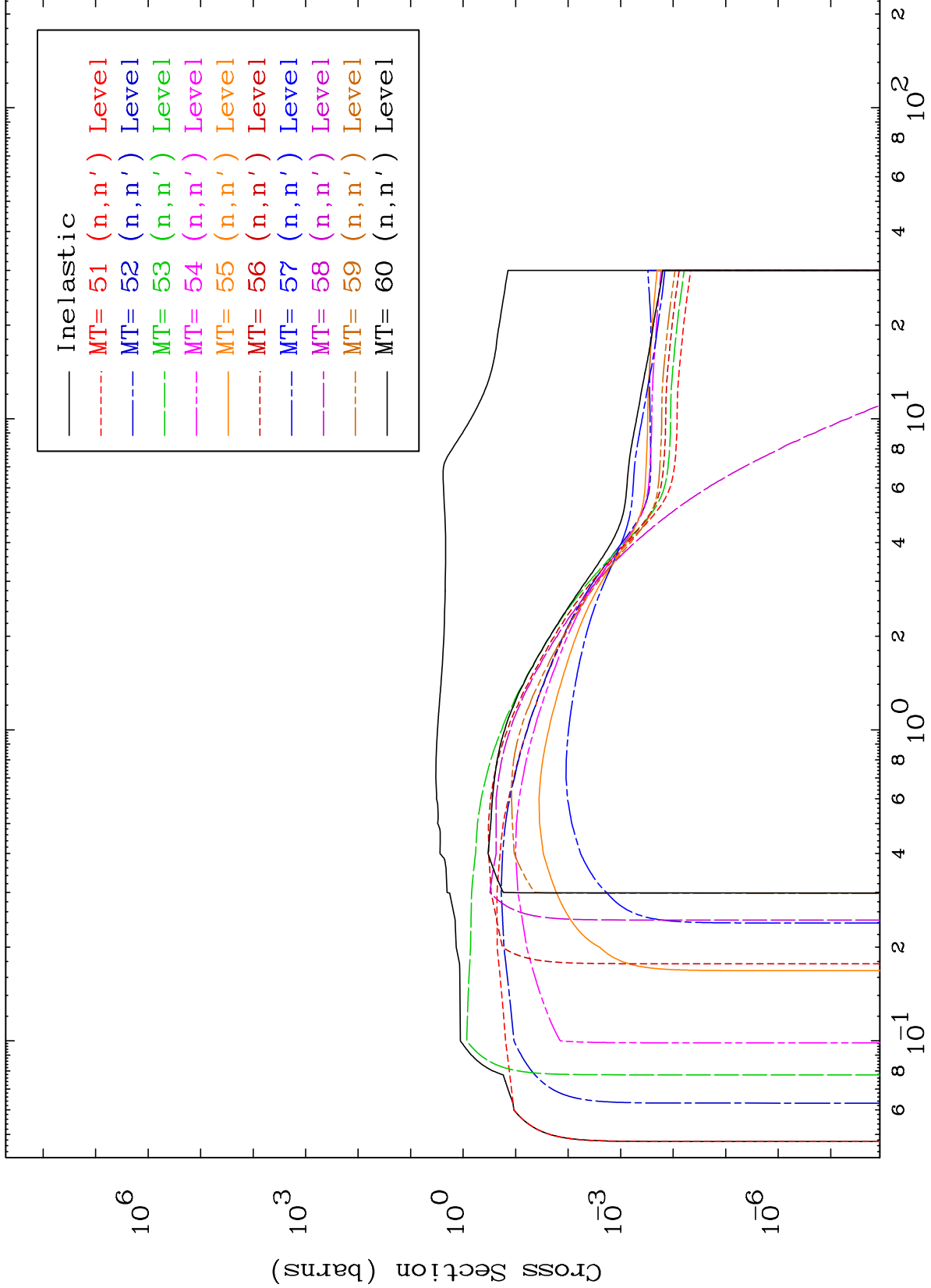


MAT 6834

(n,n') Level

68-Er-165

293 Kelvin Cross Sections

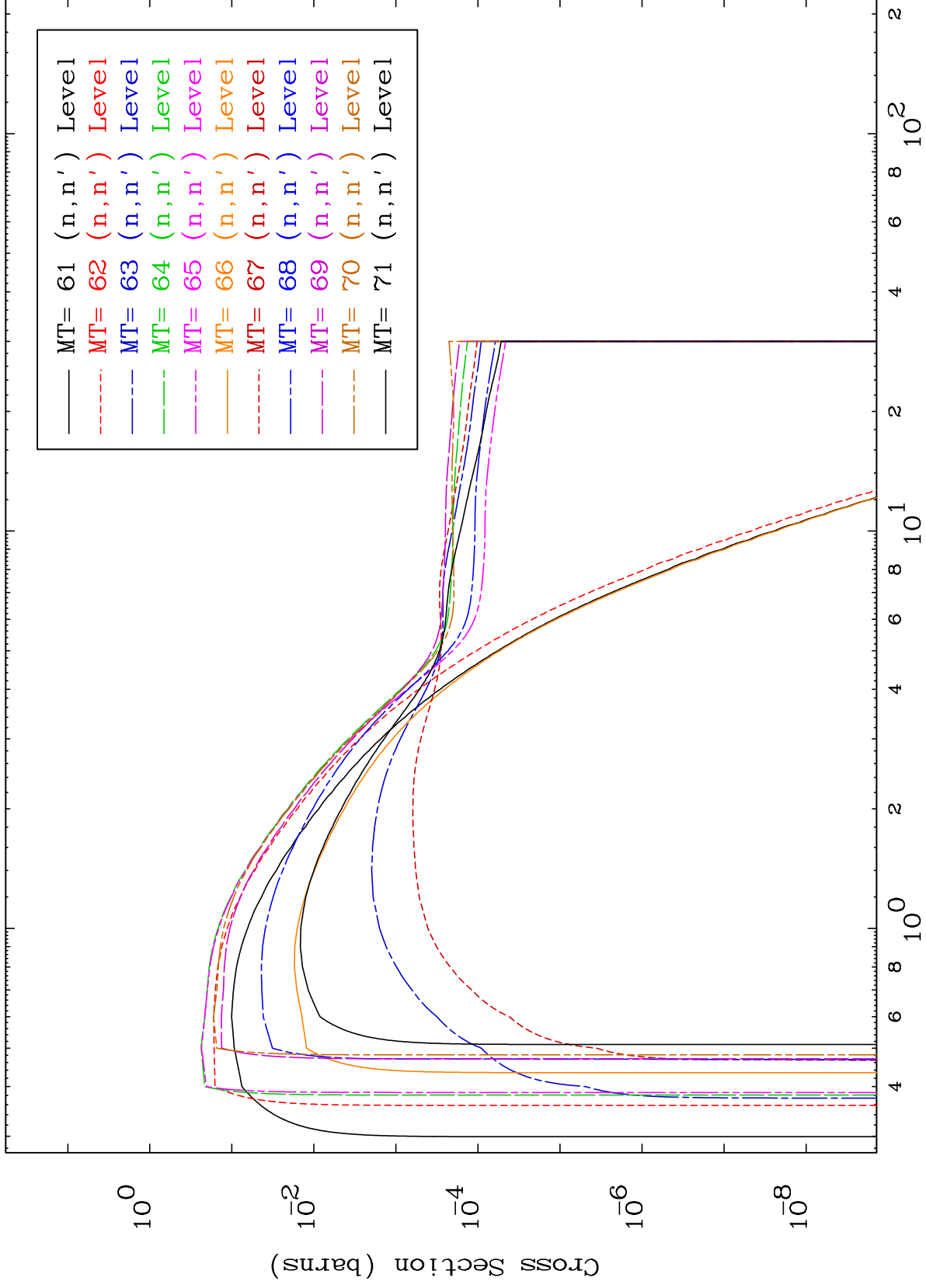


MAT 6834

(n,n') Level

293 Kelvin Cross Sections

68-Er-165

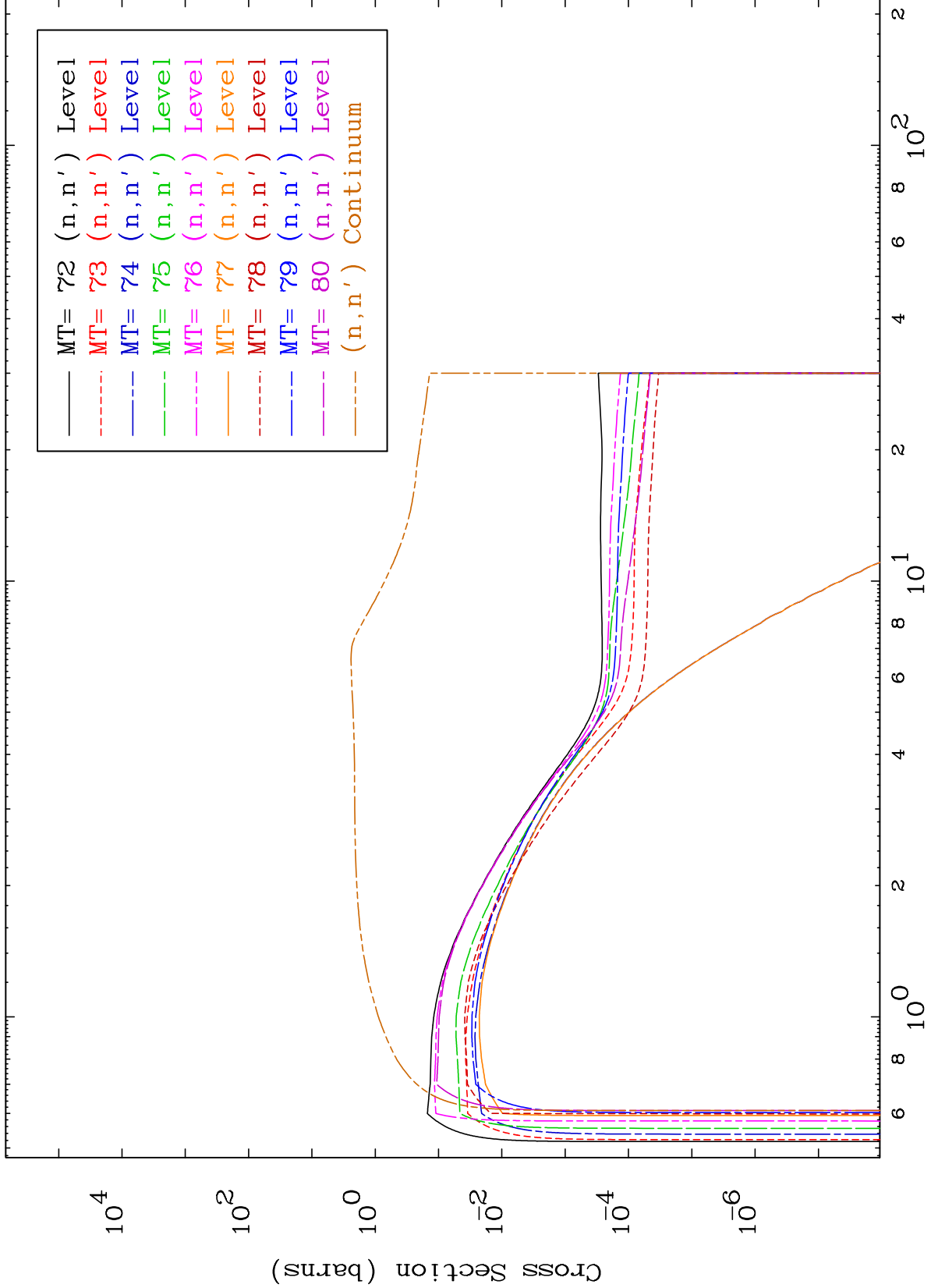


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Incident Energy (MeV)

68-Er-165

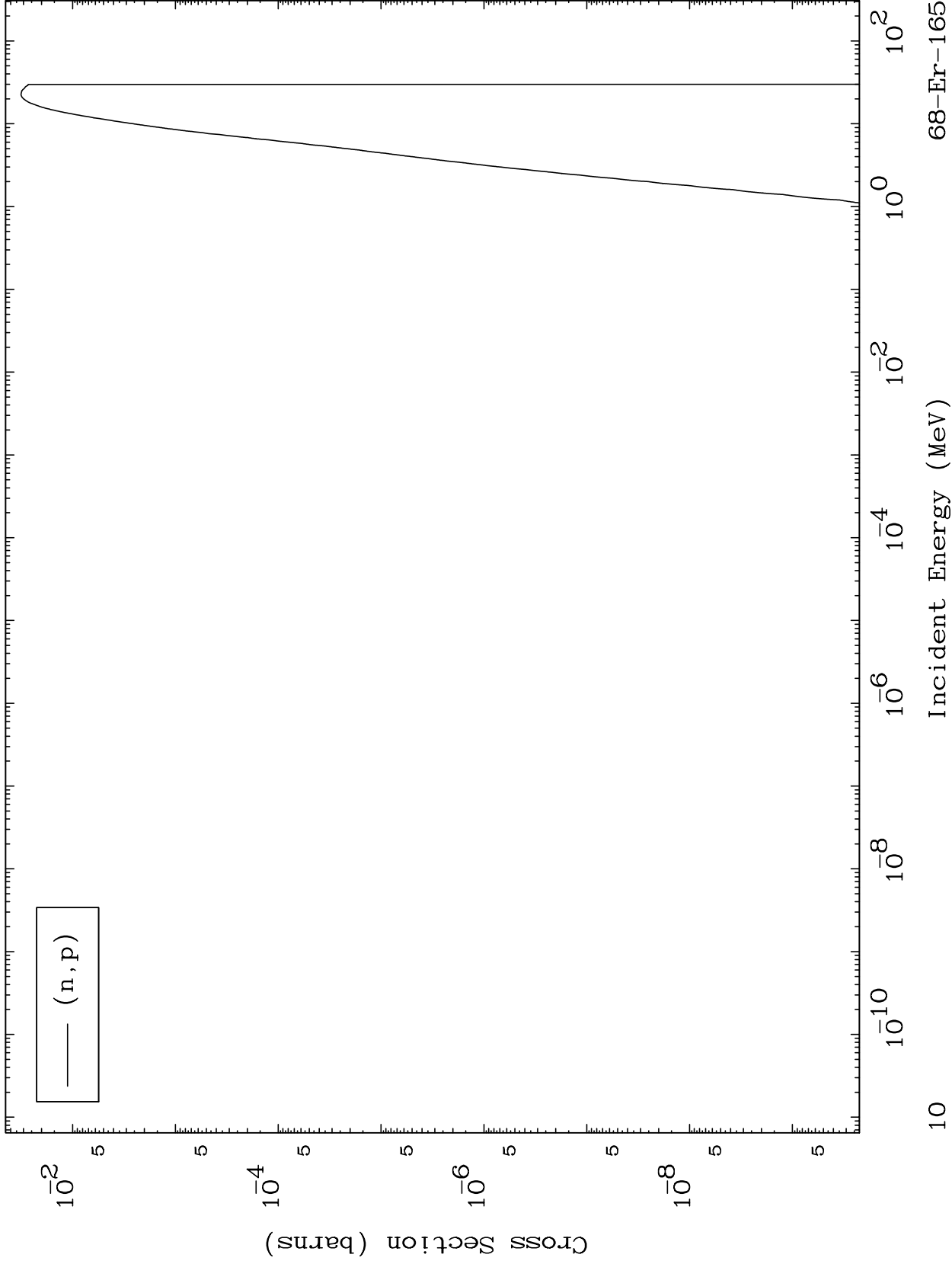
293 Kelvin Cross Sections



MAT 6834

(n,p) Levels
293 Kelvin Cross Sections

68-Er-165



10

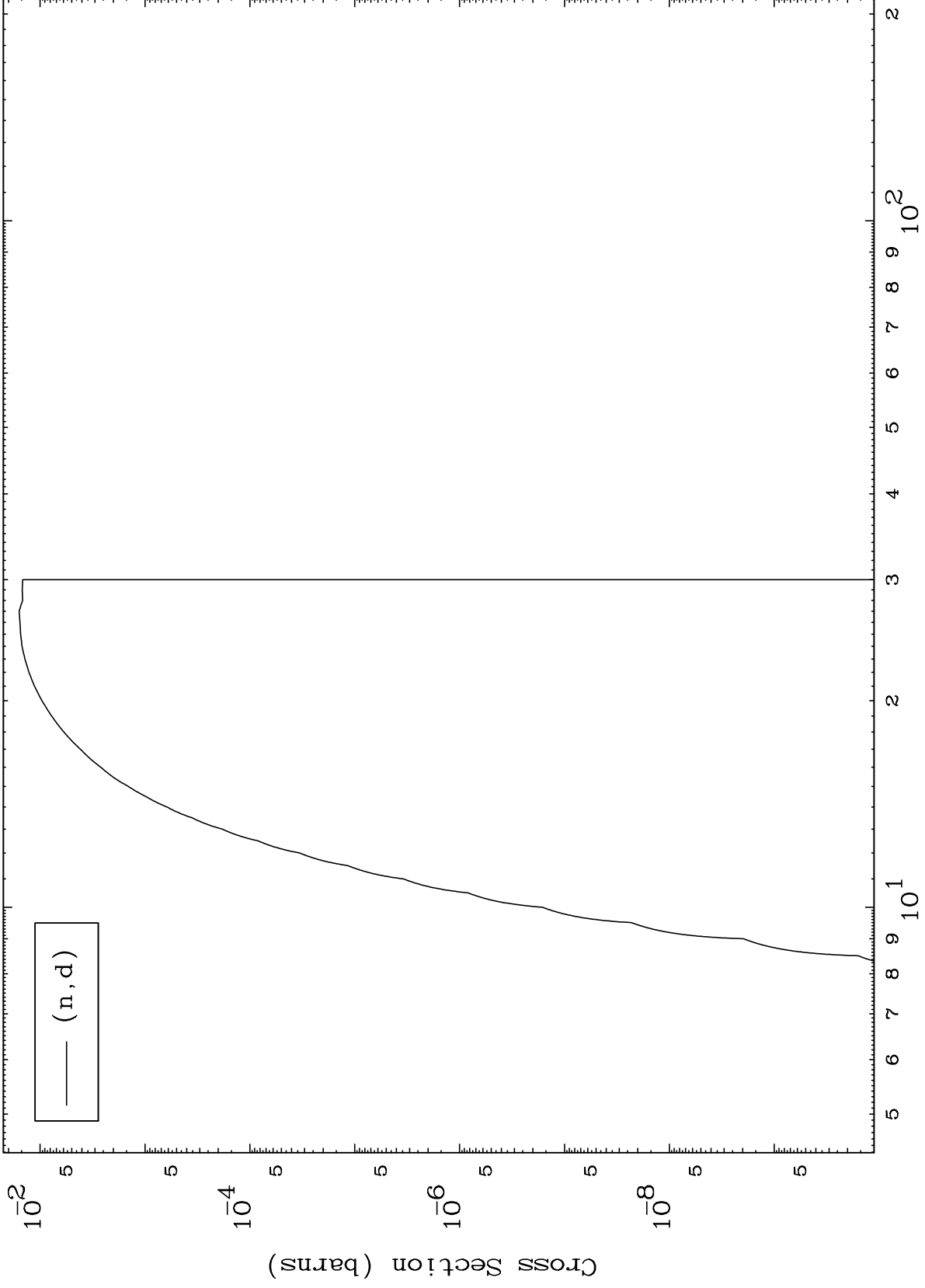
Incident Energy (MeV)

68-Er-165

MAT 6834

(n,d) Levels
293 Kelvin Cross Sections

68-Er-165



11

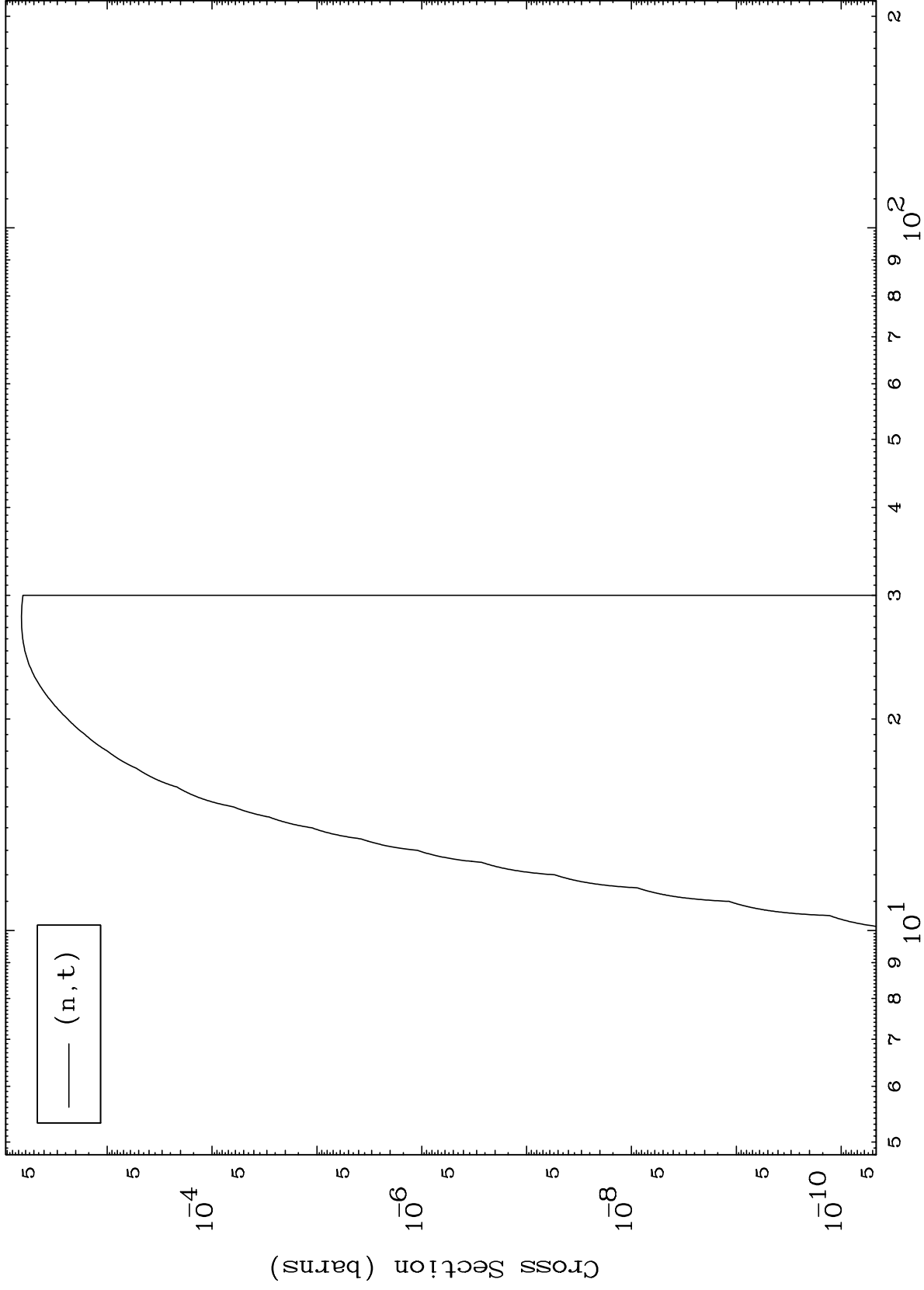
Incident Energy (MeV)

68-Er-165

MAT 6834

(n,t) Levels
293 Kelvin Cross Sections

68-Er-165



12

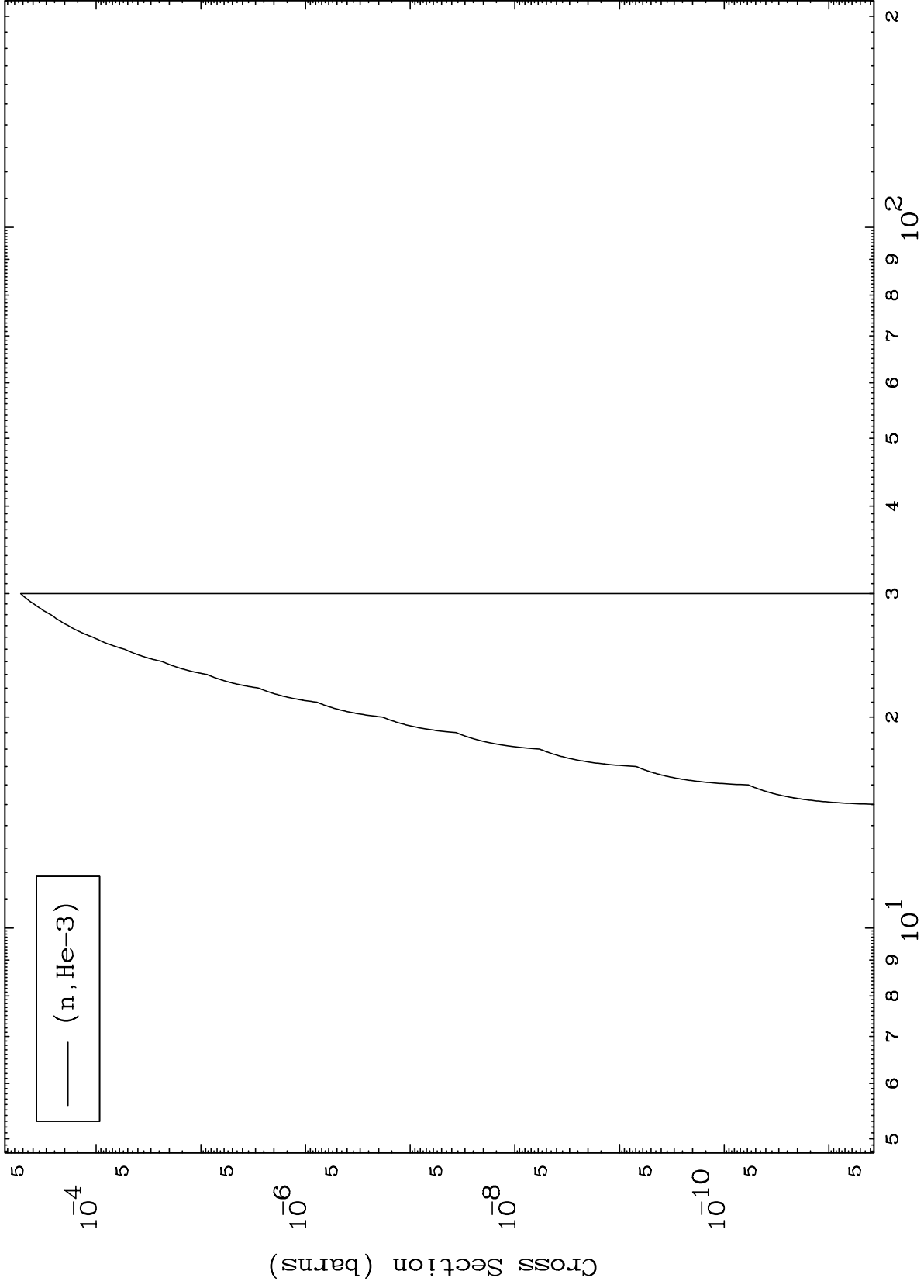
Incident Energy (MeV)

68-Er-165

MAT 6834

(n,He3) Levels
293 Kelvin Cross Sections

68-Er-165



13

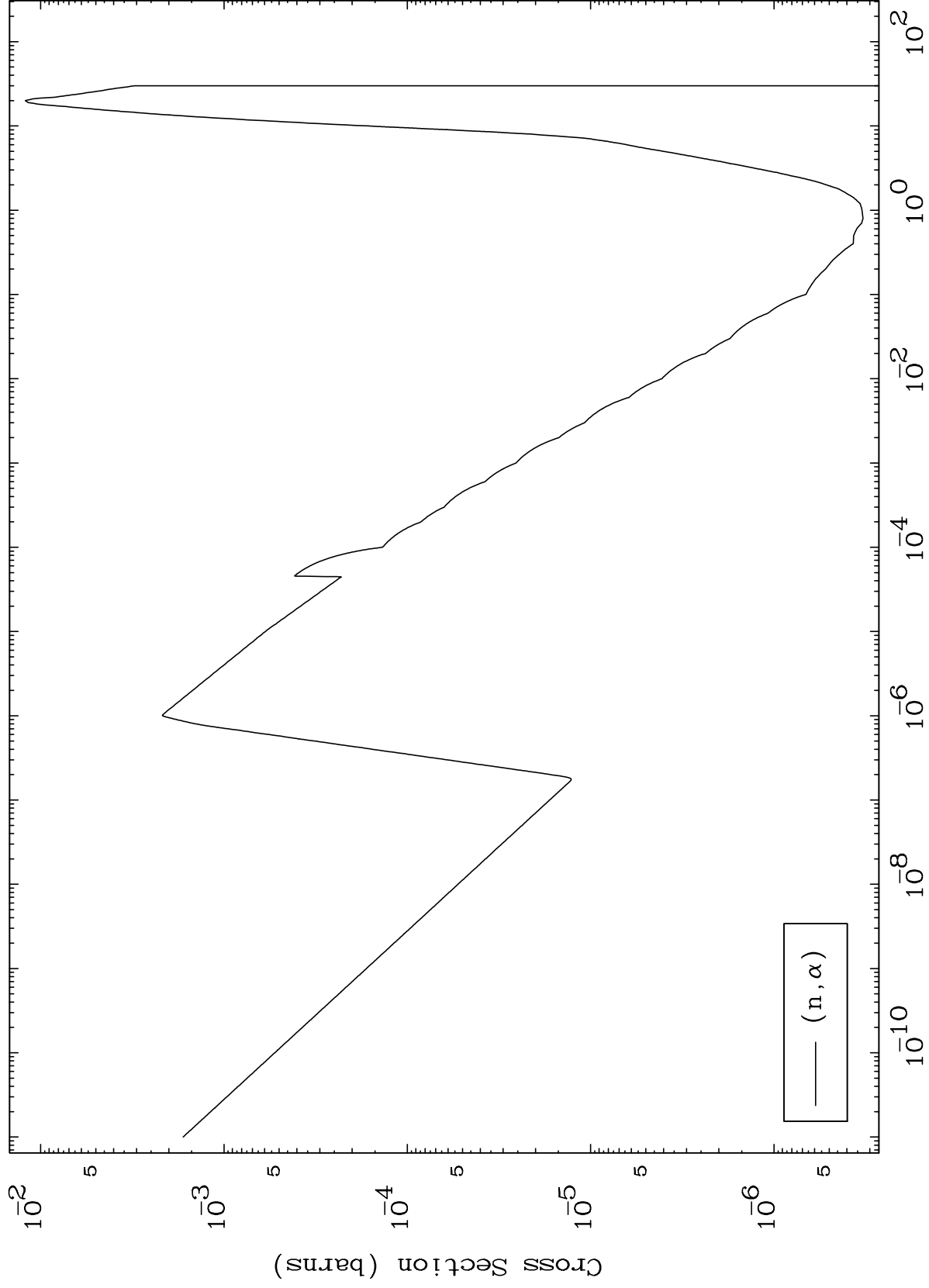
Incident Energy (MeV)

68-Er-165

MAT 6834

(n, α) Levels
293 Kelvin Cross Sections

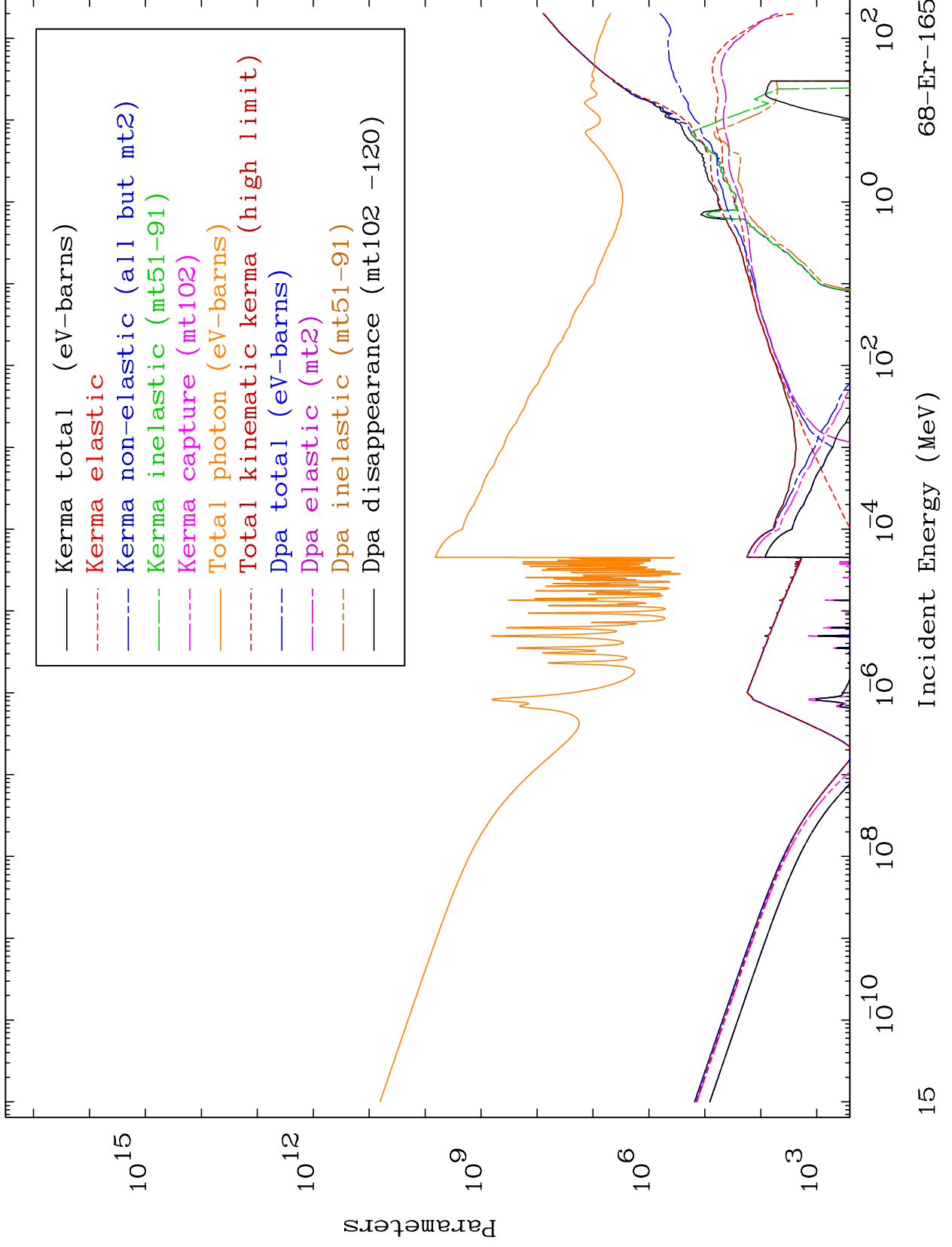
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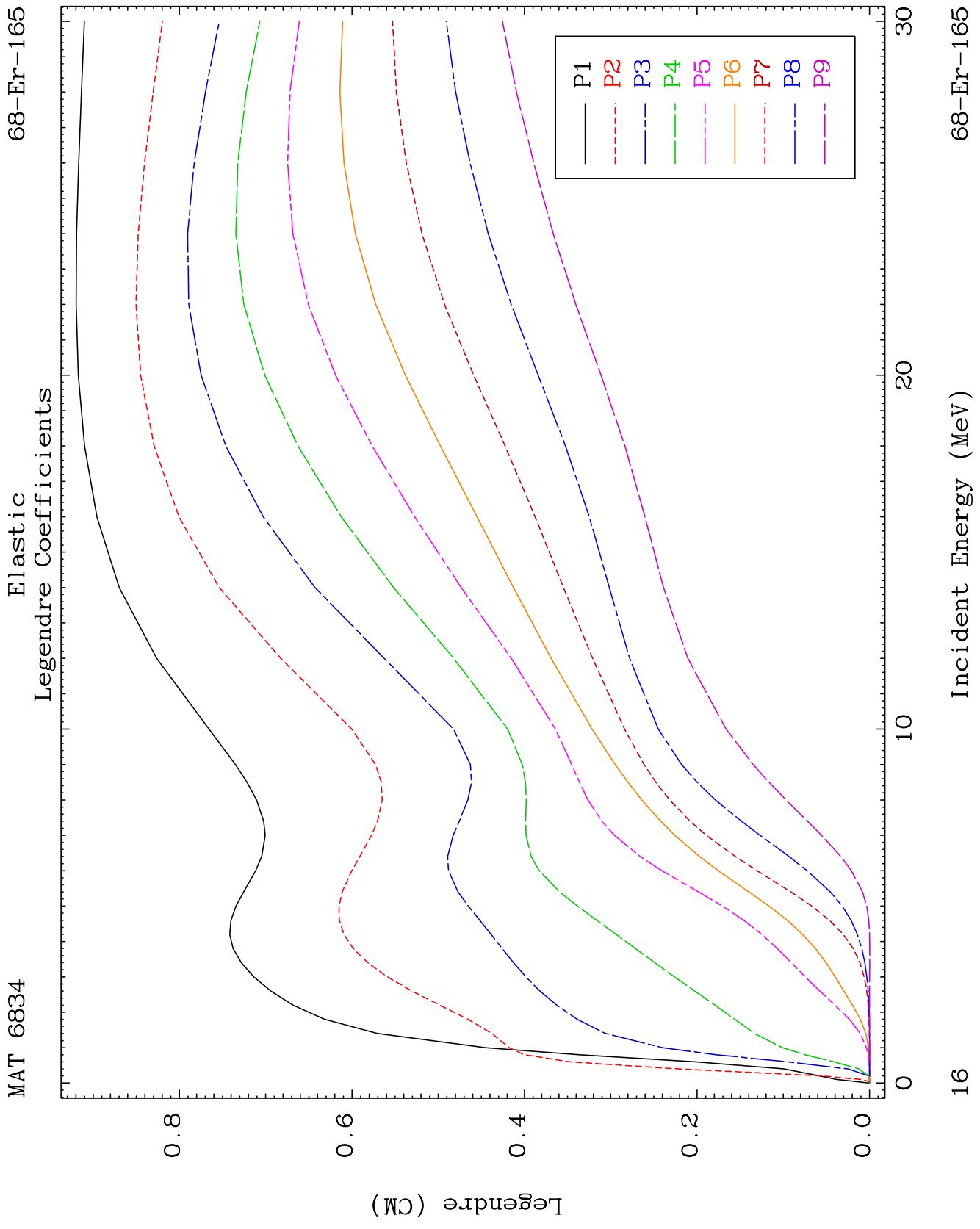


14

Incident Energy (MeV)

68-Er-165

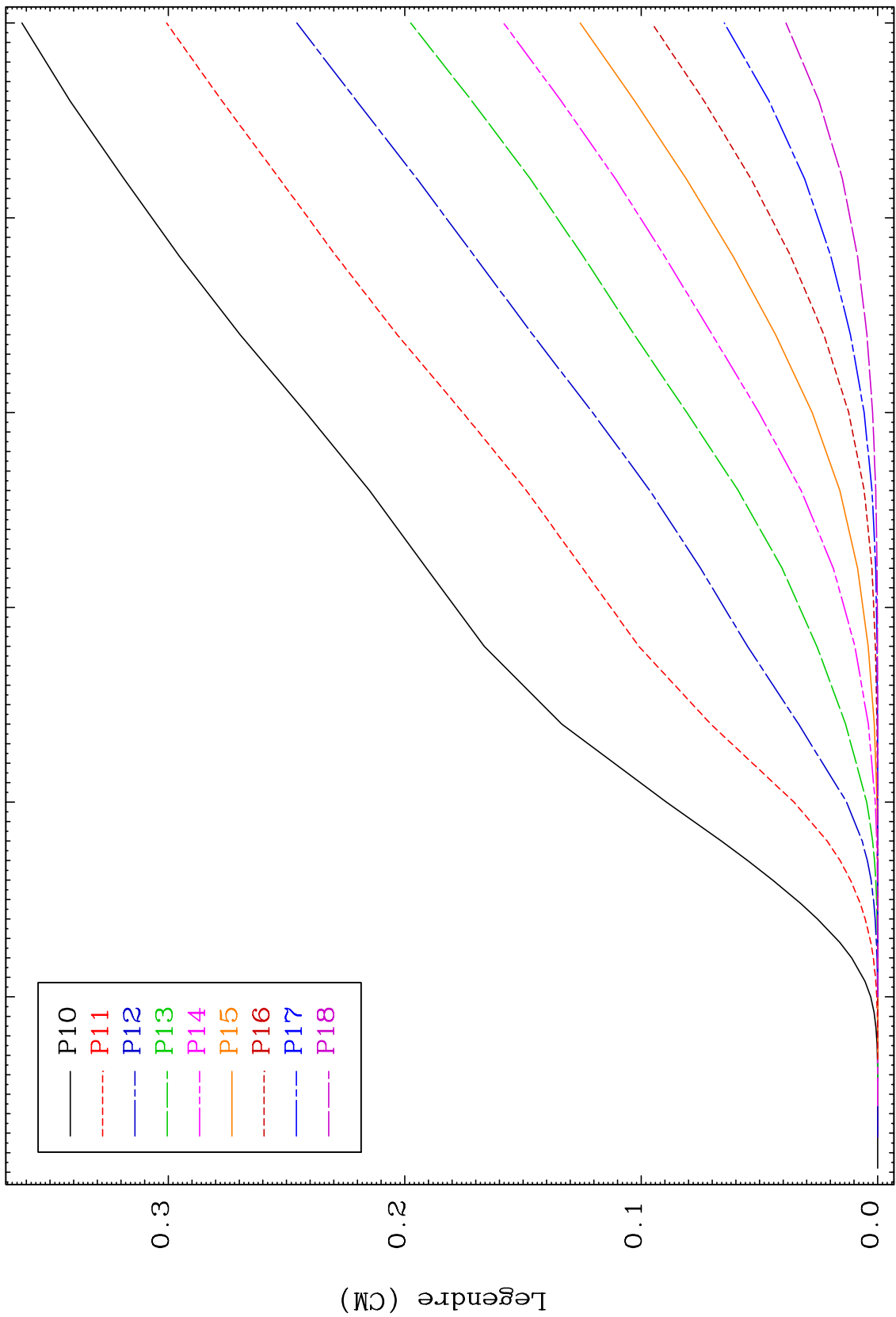




MAT 6834

Elastic Legendre Coefficients

68-Er-165



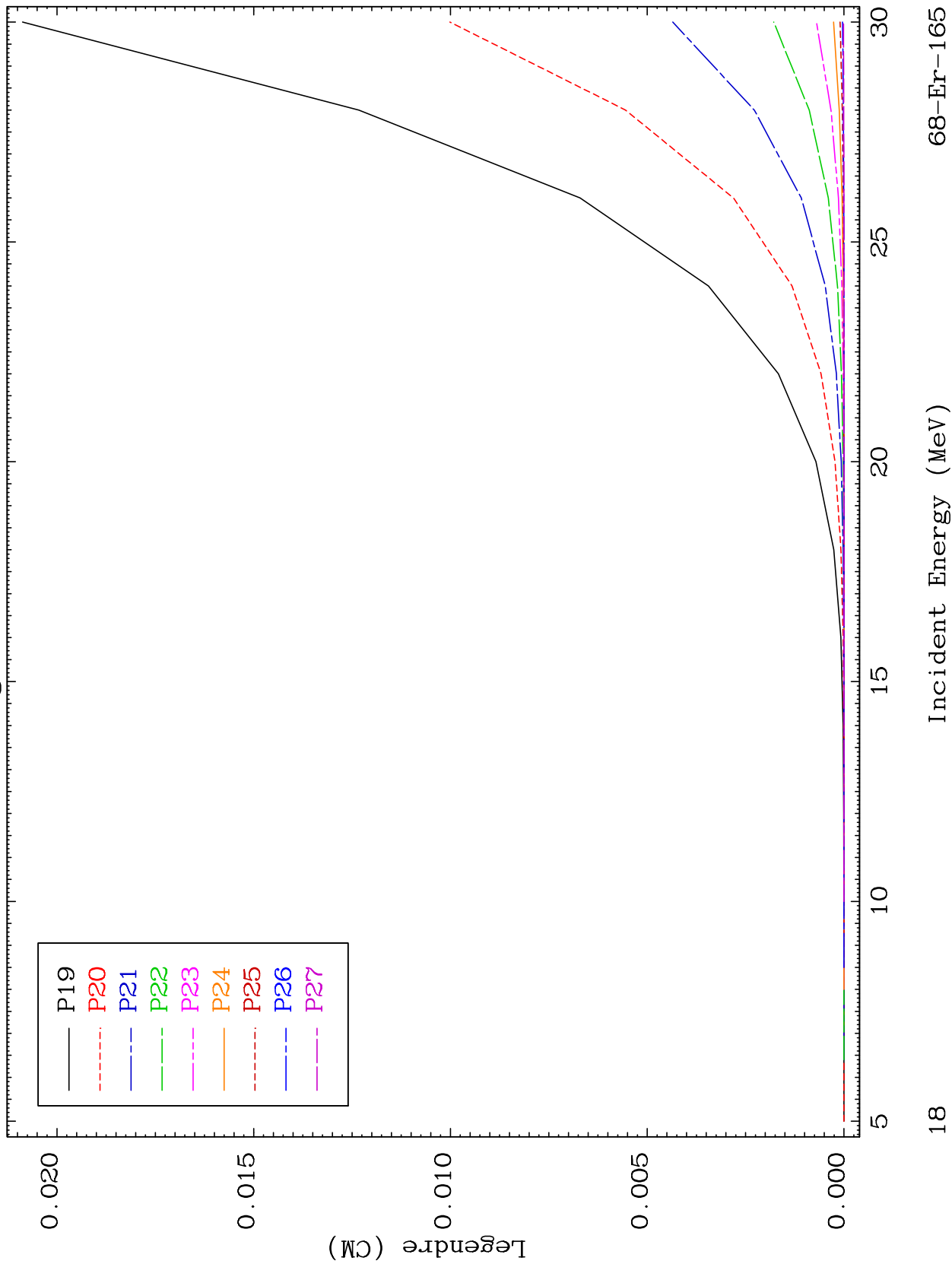
17

68-Er-165

MAT 6834

Elastic Legendre Coefficients

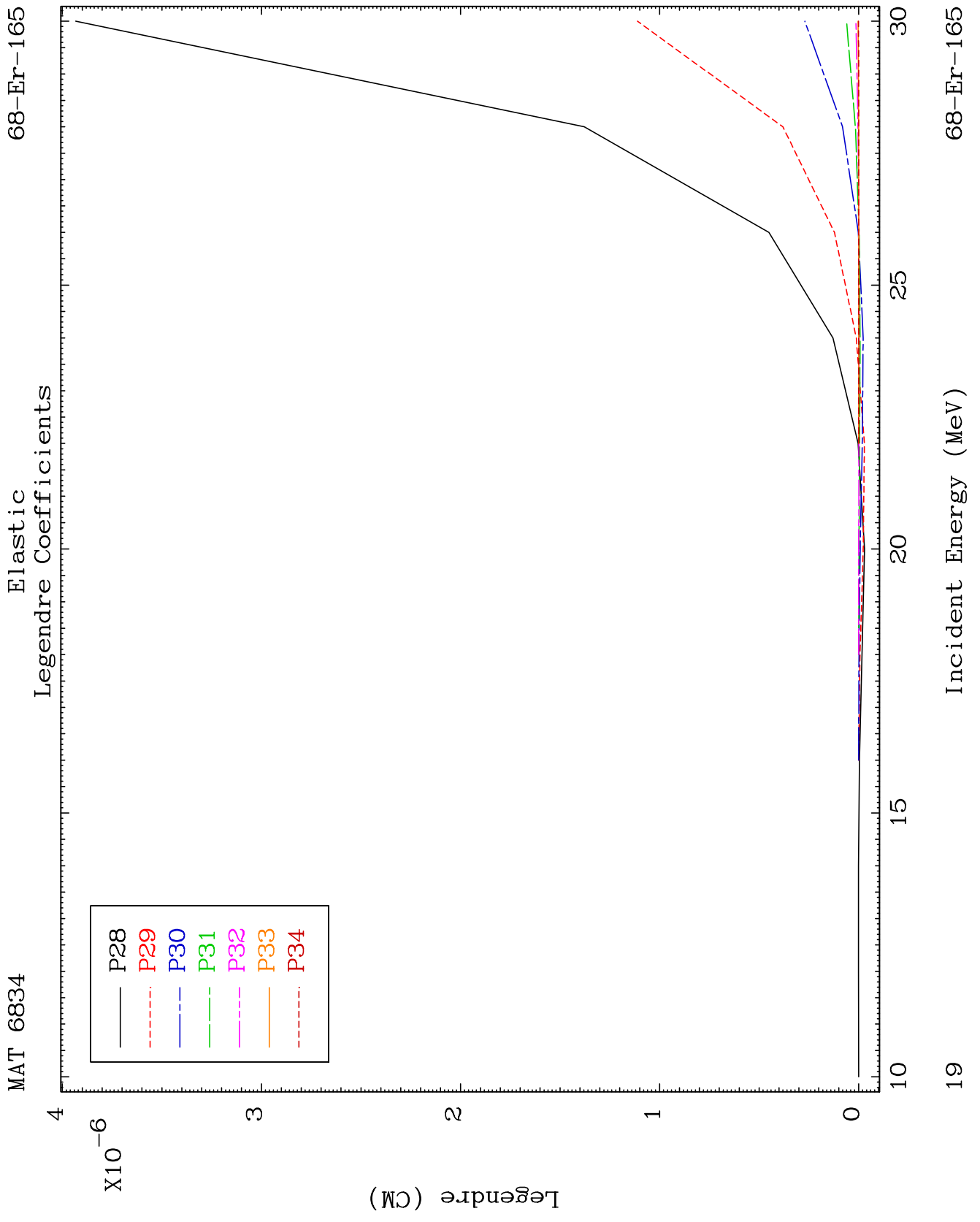
68-Er-165



18

Incident Energy (MeV)

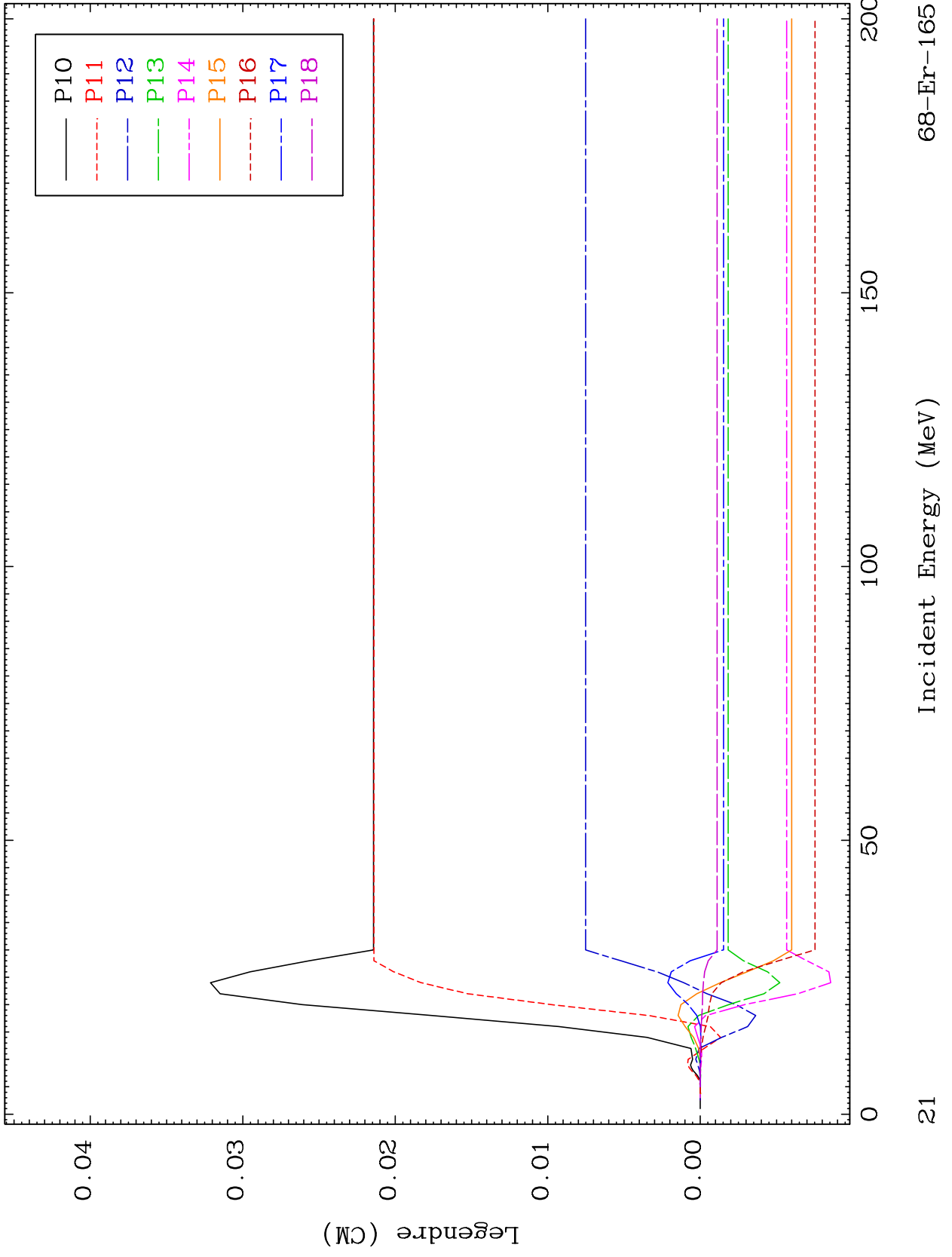
68-Er-165



MAT 6834

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

68-Er-165



21

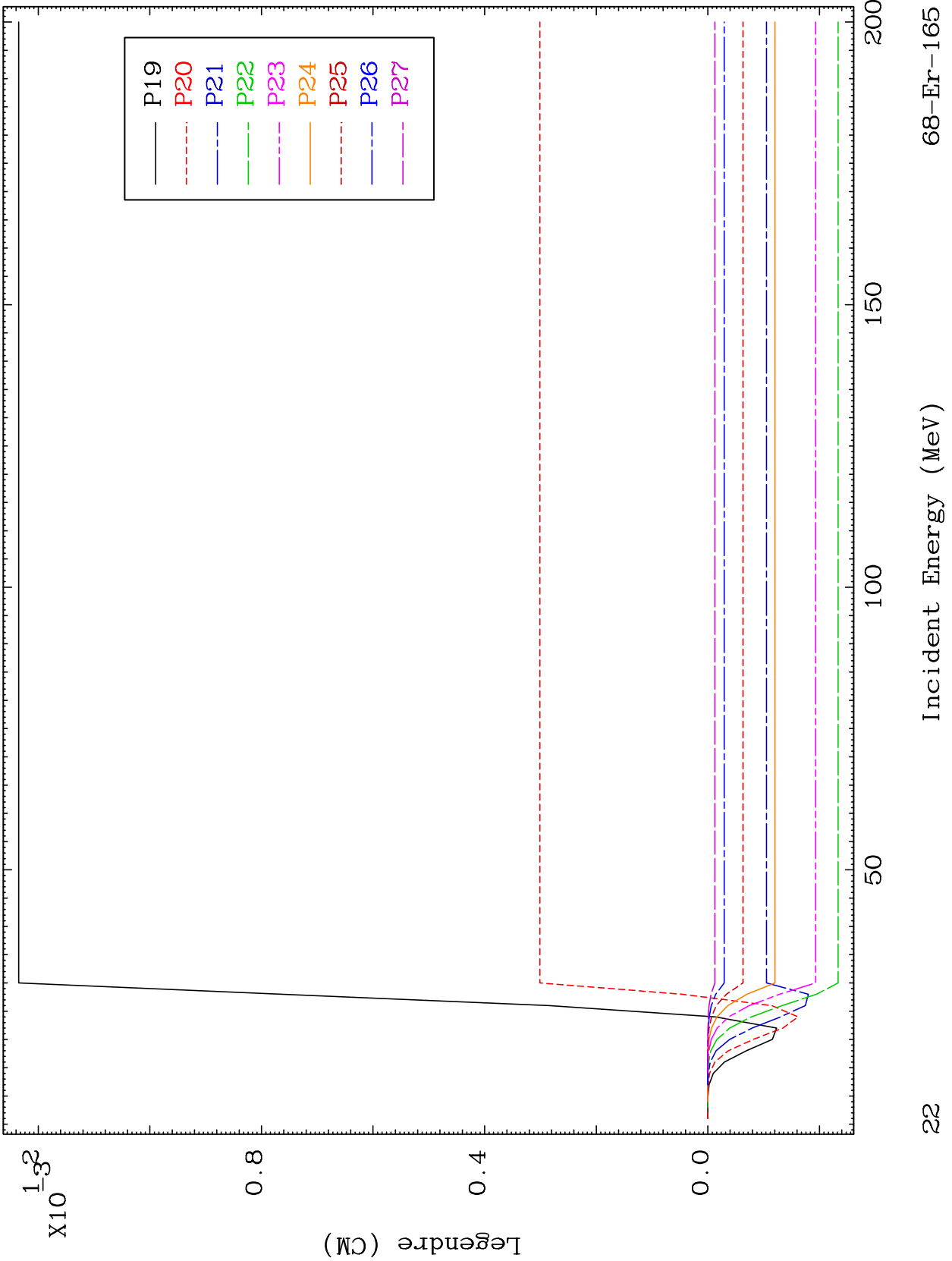
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



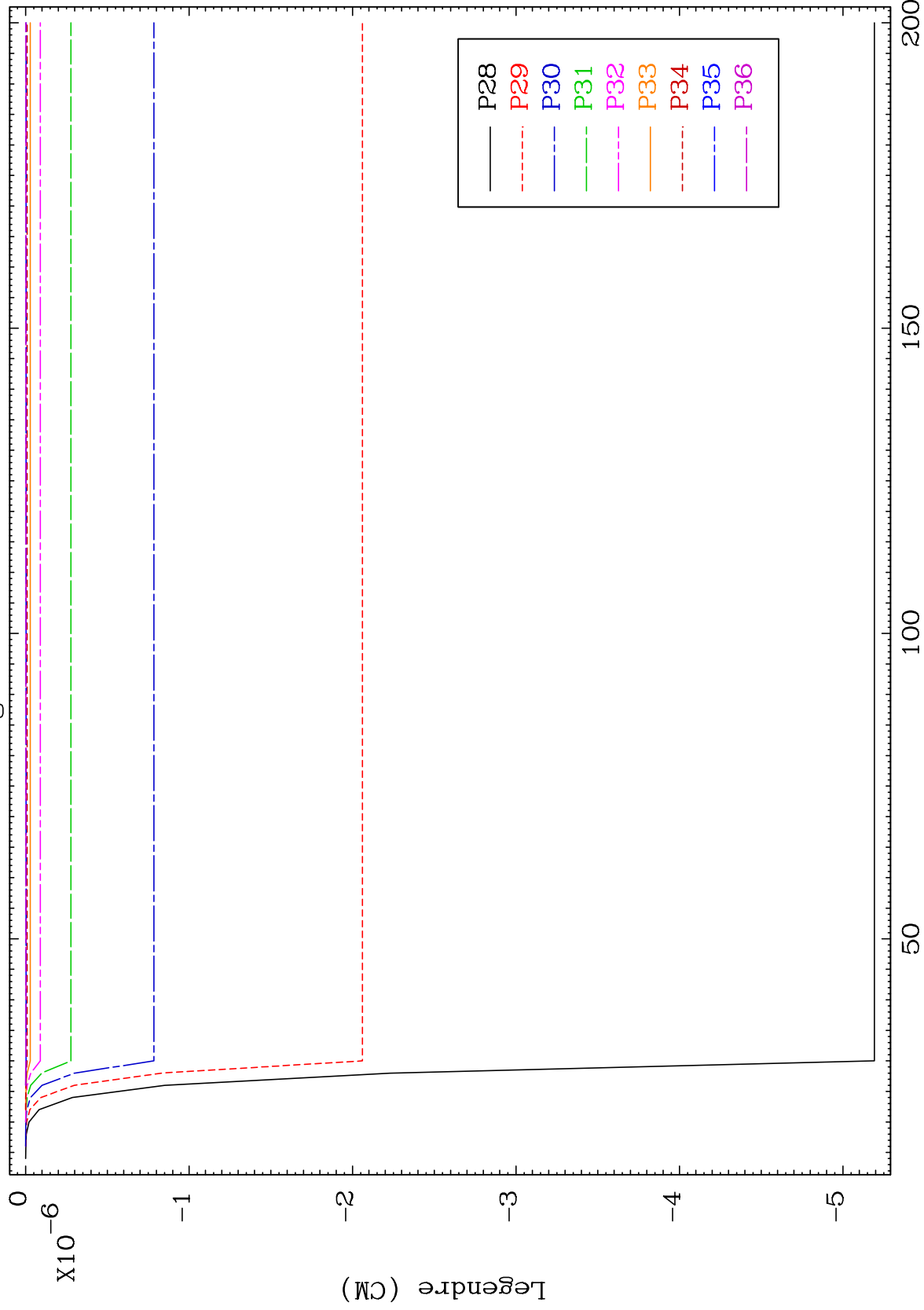
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68-Er-165

MAT 6834

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

68-Er-165



23

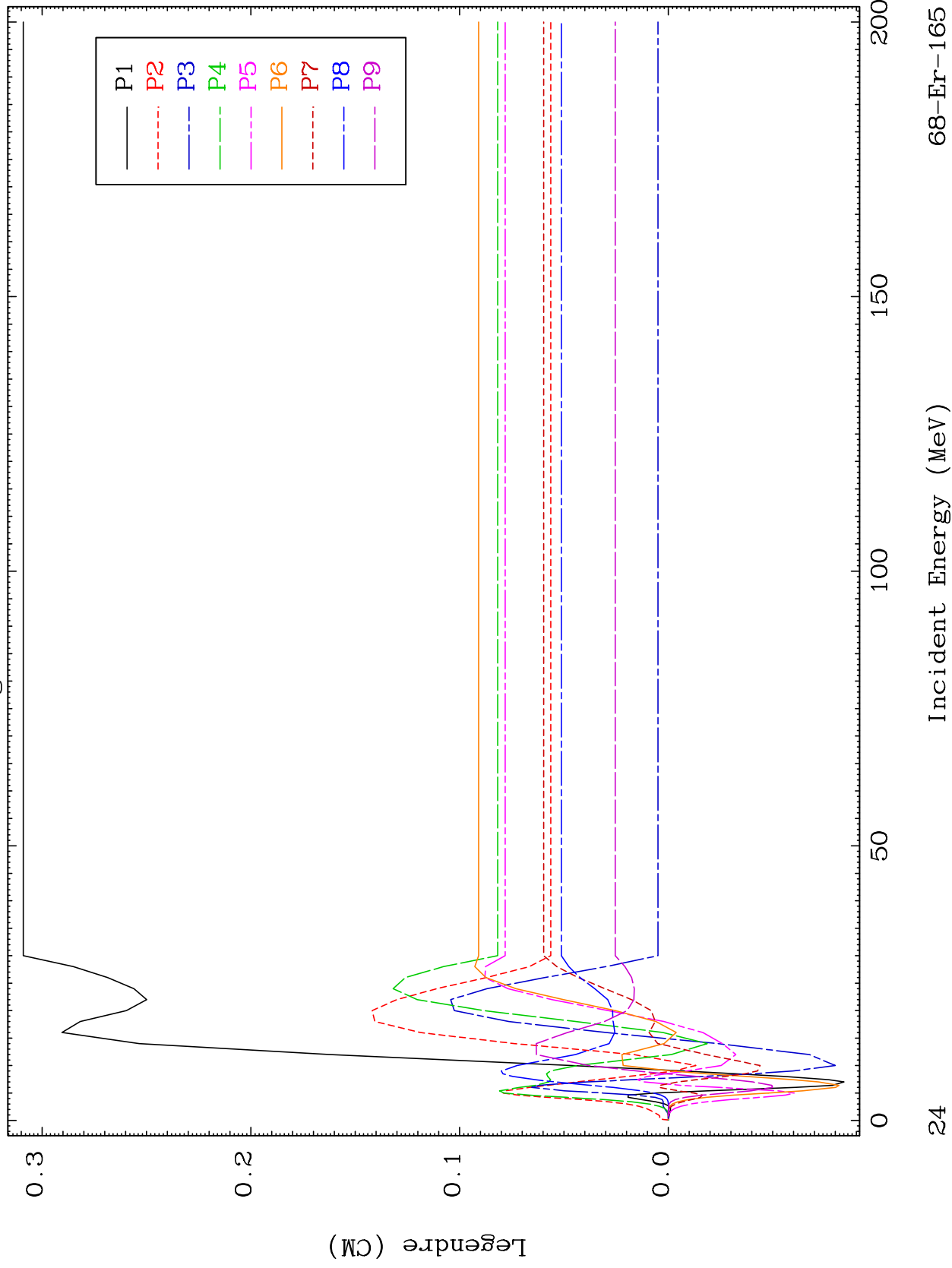
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



24

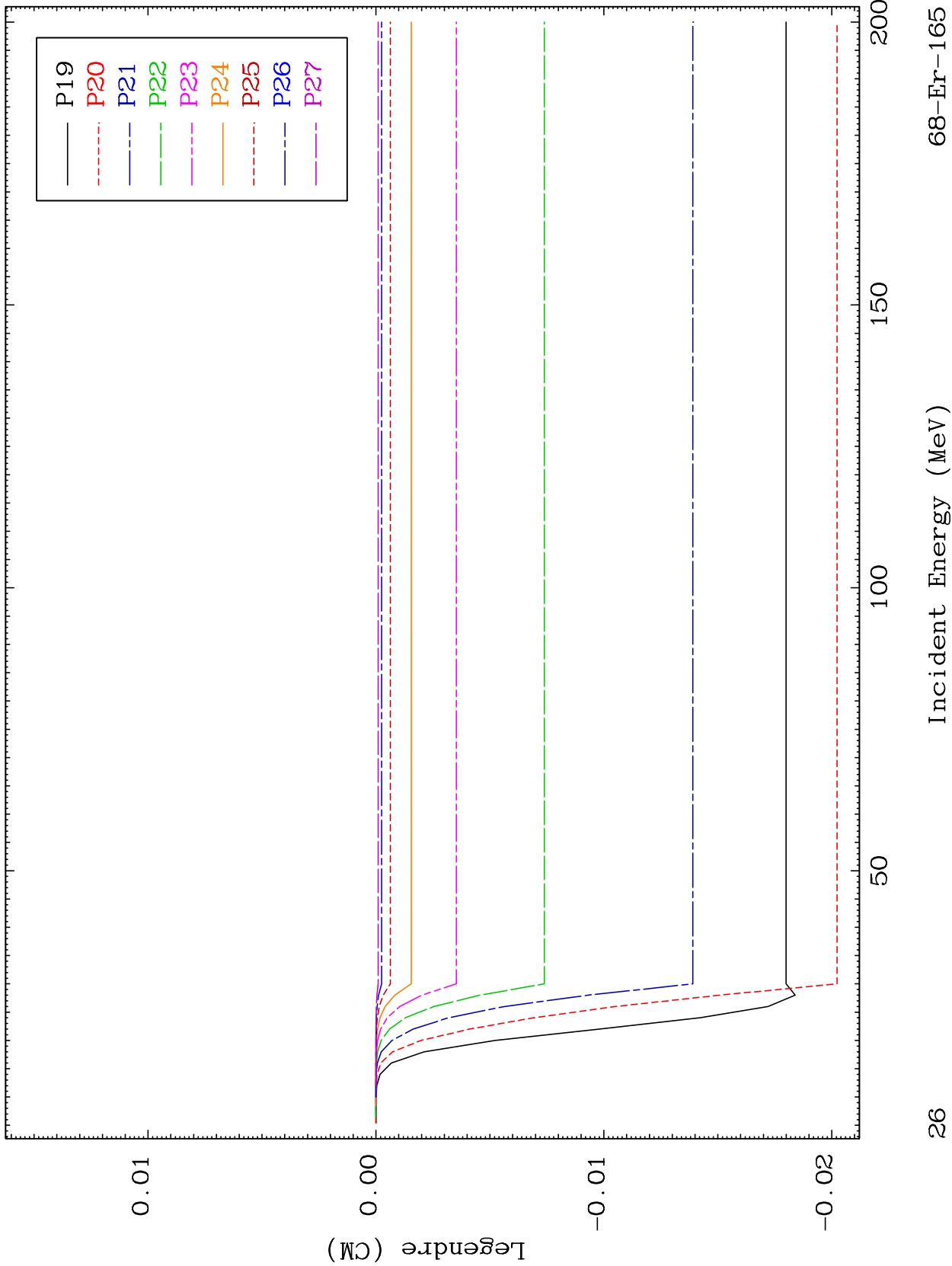
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



26

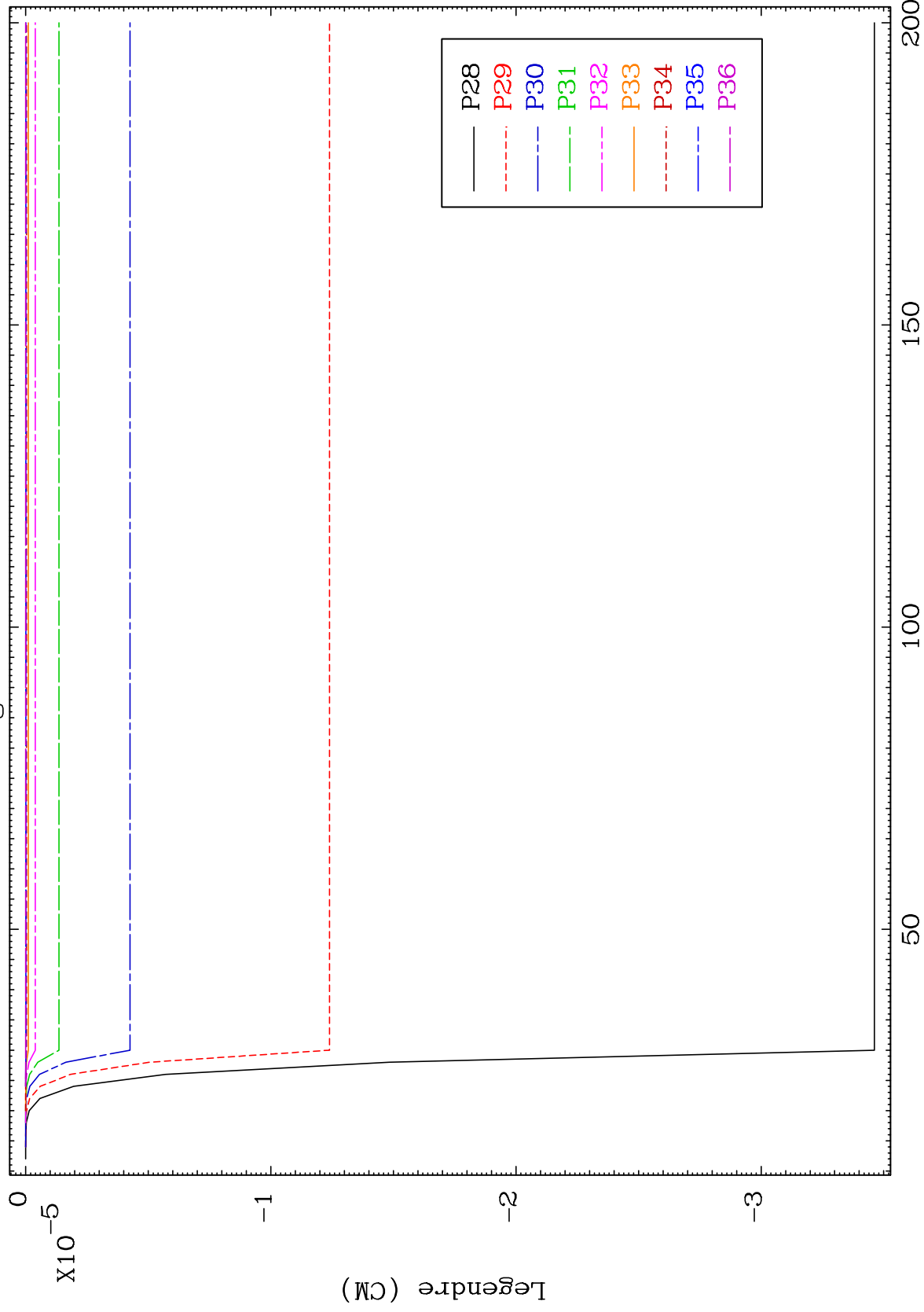
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



27

Incident Energy (MeV)

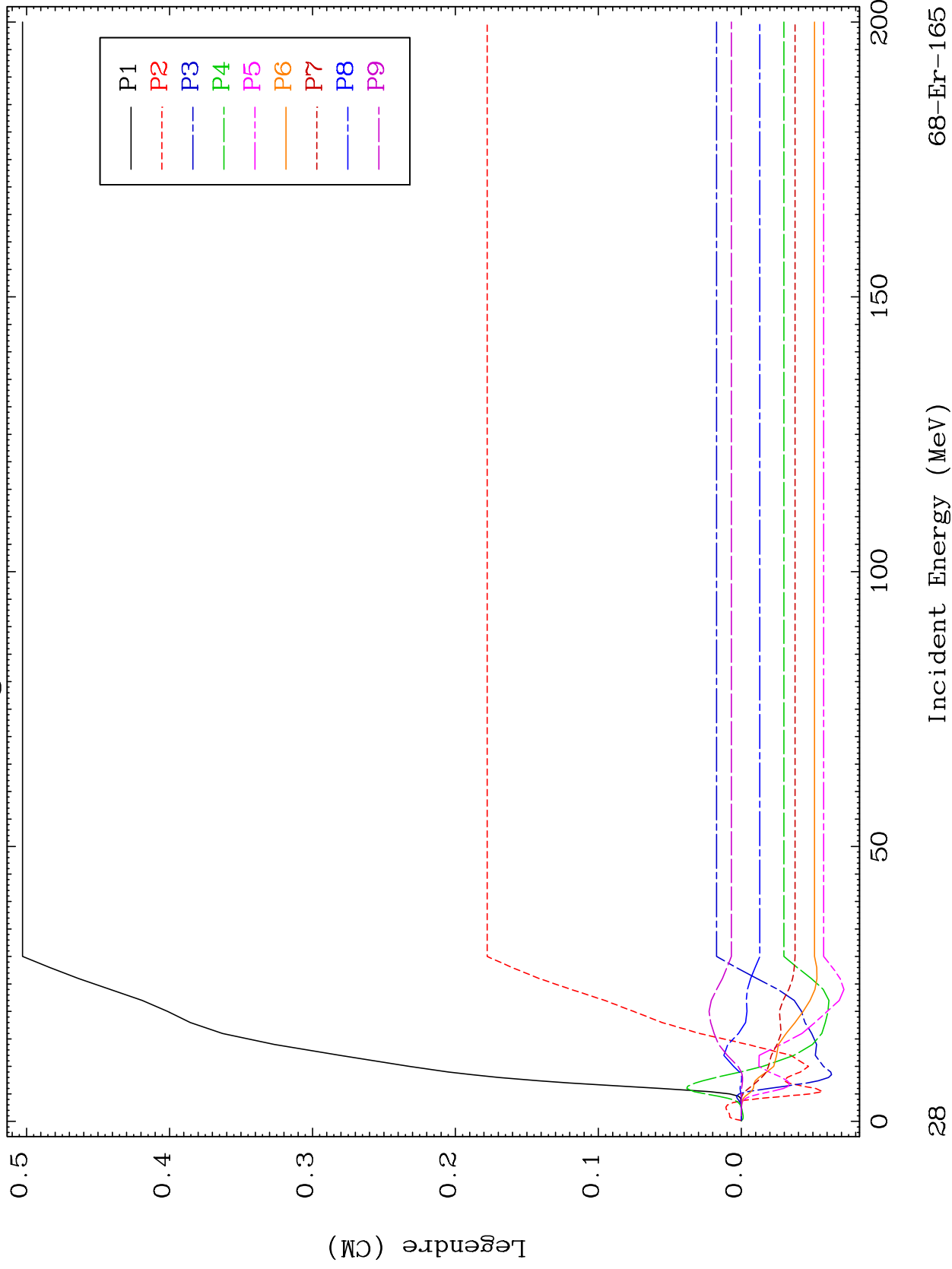
68-Er-165

MAT 6834

MT= 53 (n,n') Level

68-Er-165

Legendre Coefficients

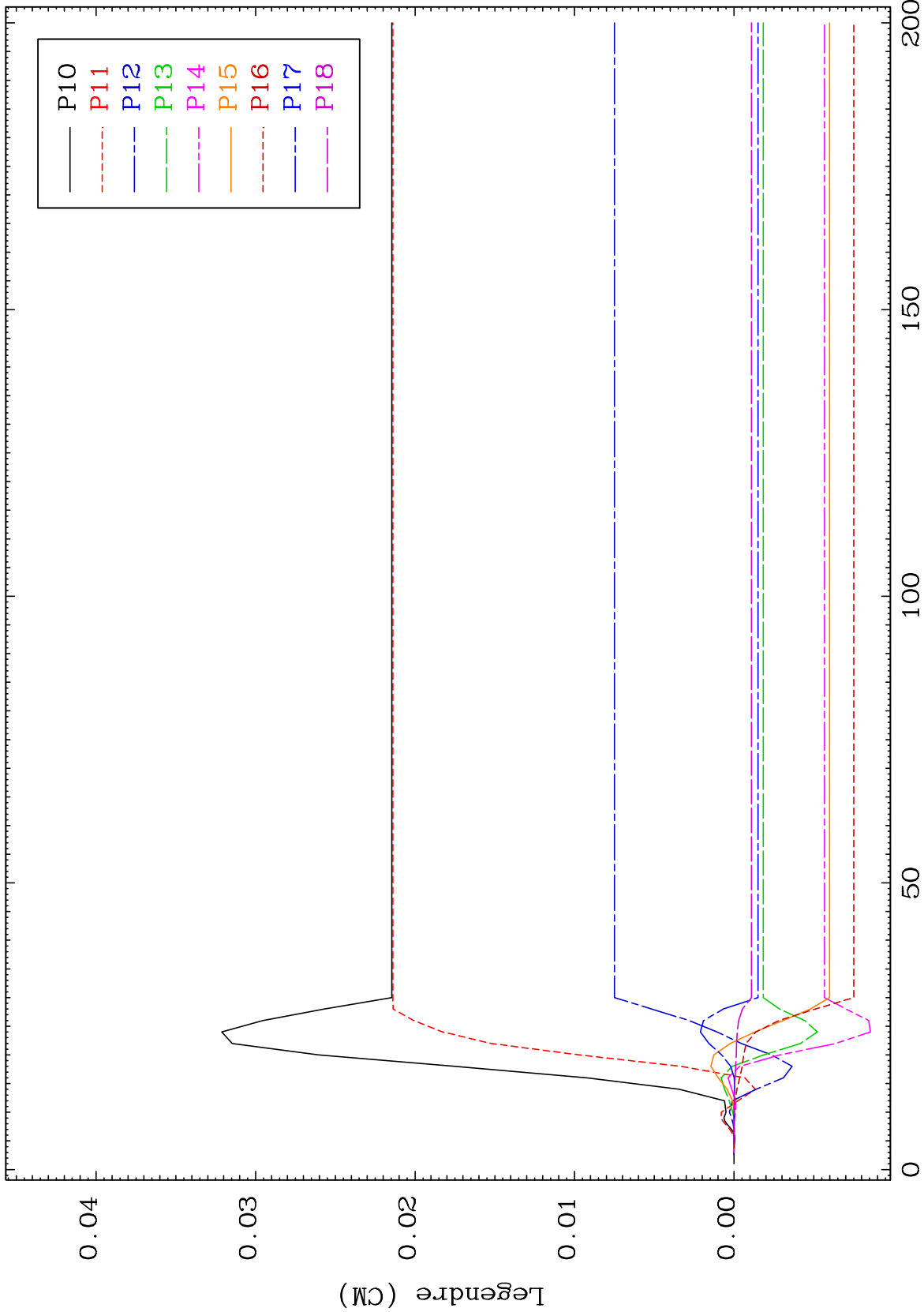


28

MAT 6834

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

68-Er-165



29

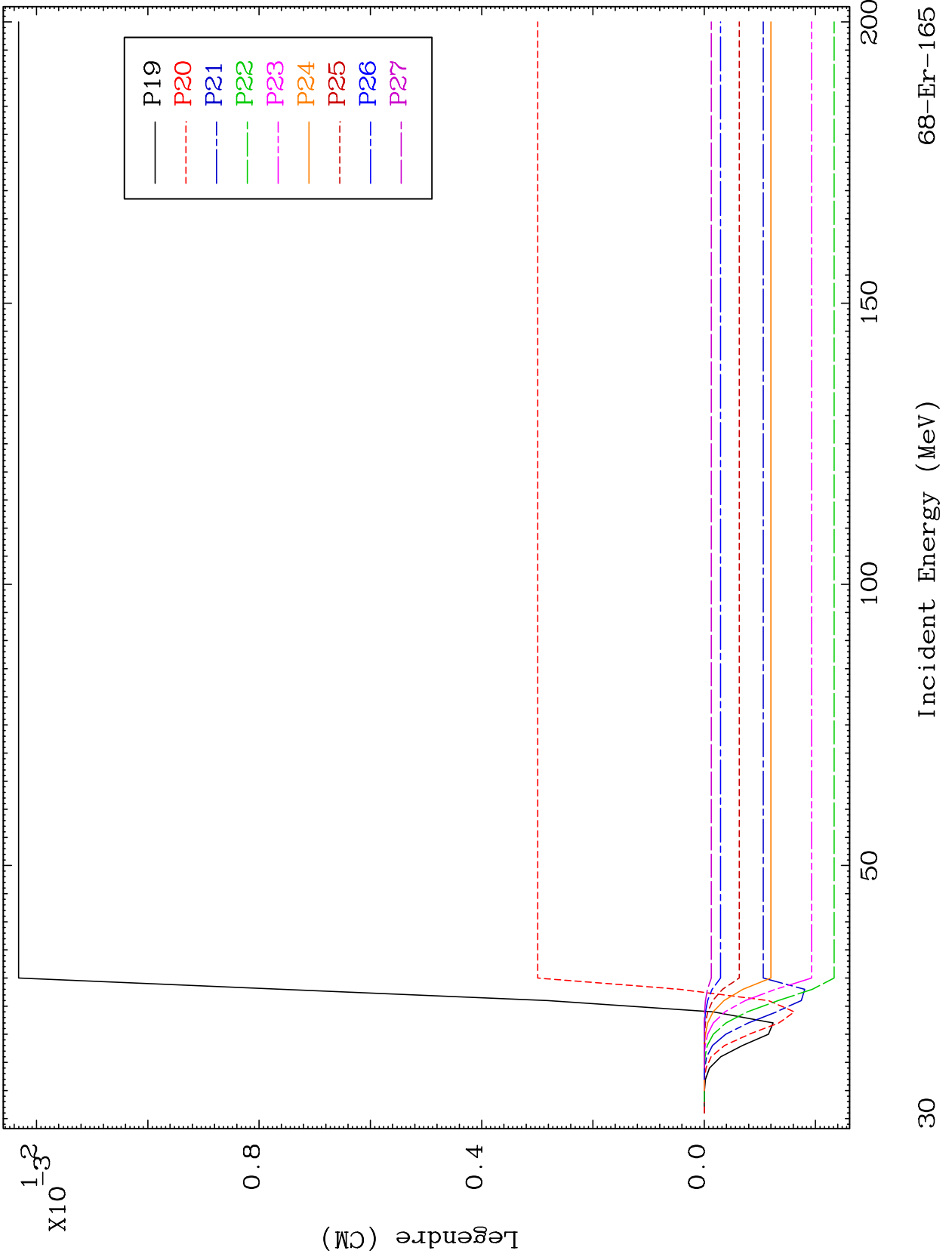
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165

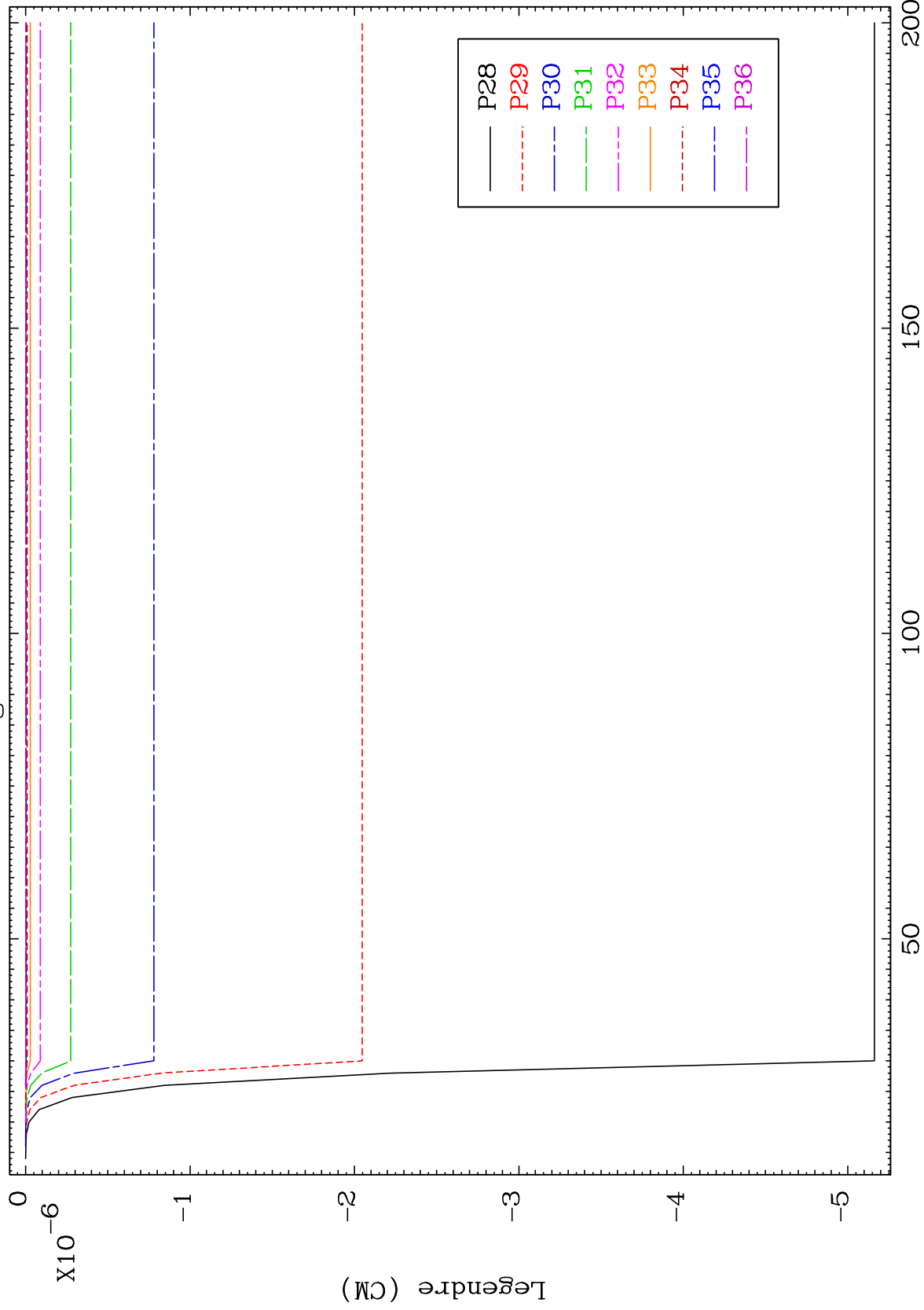


MAT 6834

MT= 53 (n,n') Level

68-Er-165

Legendre Coefficients



31

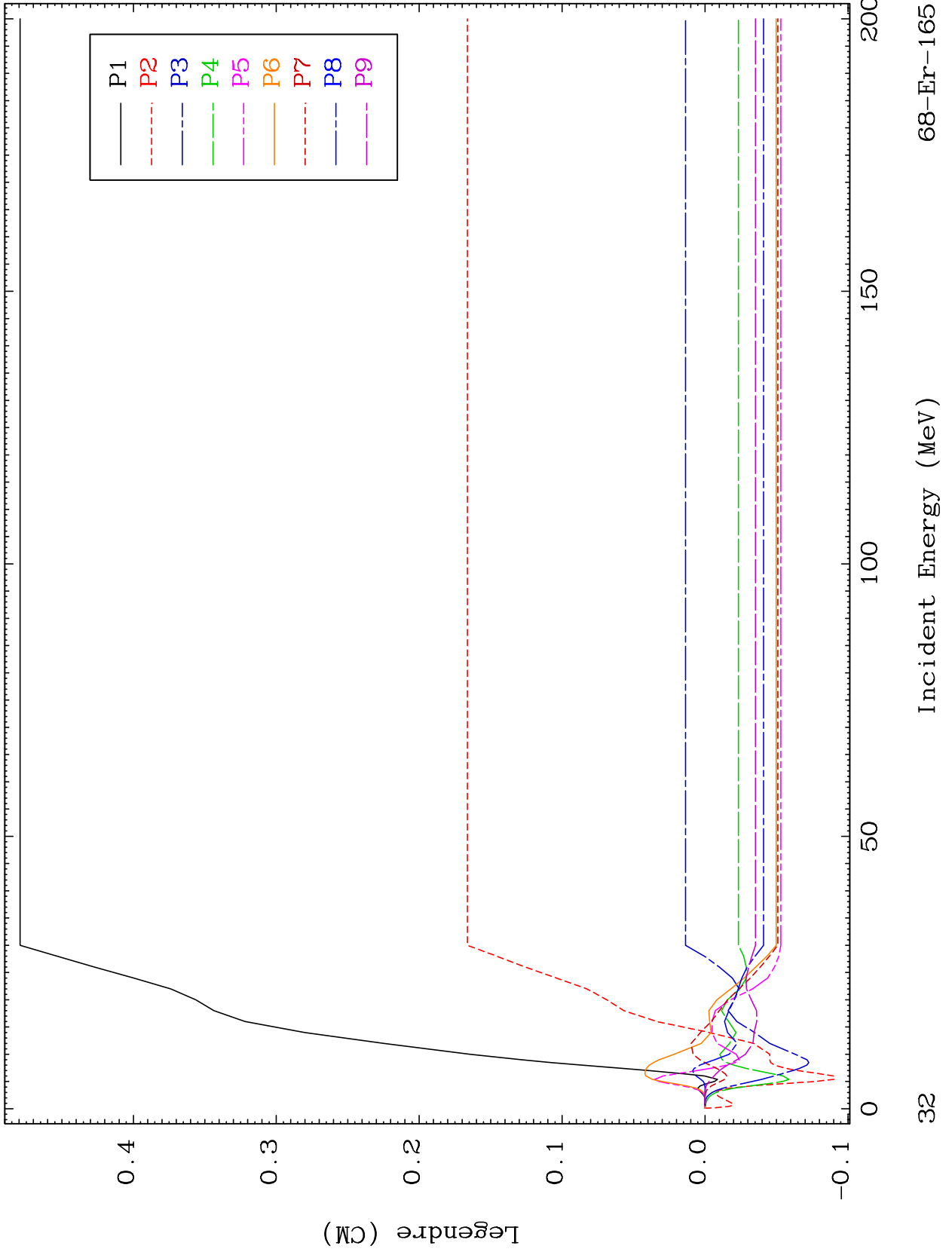
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



68-Er-165

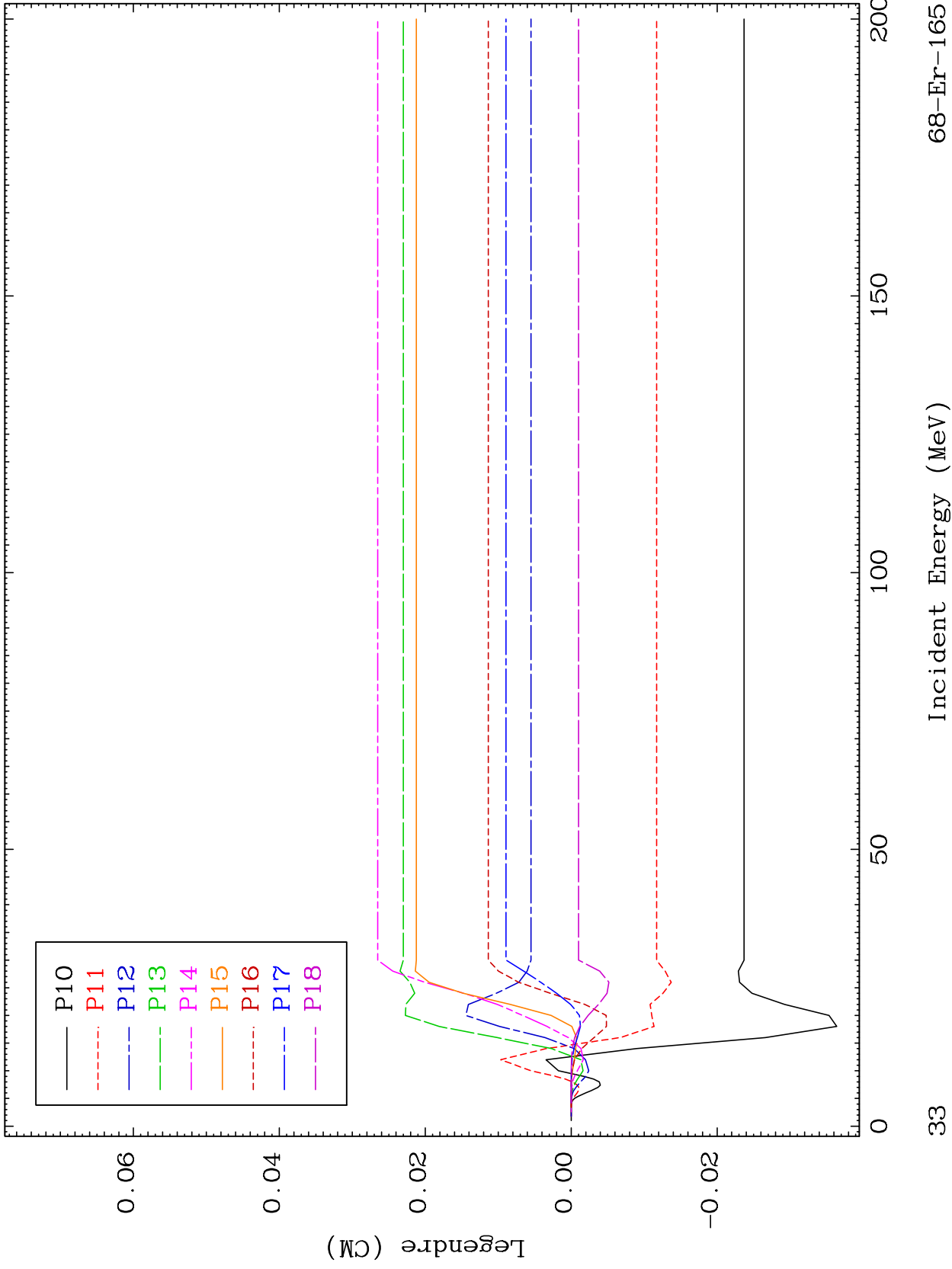
Incident Energy (MeV)

32

MAT 6834

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

68-Er-165



33

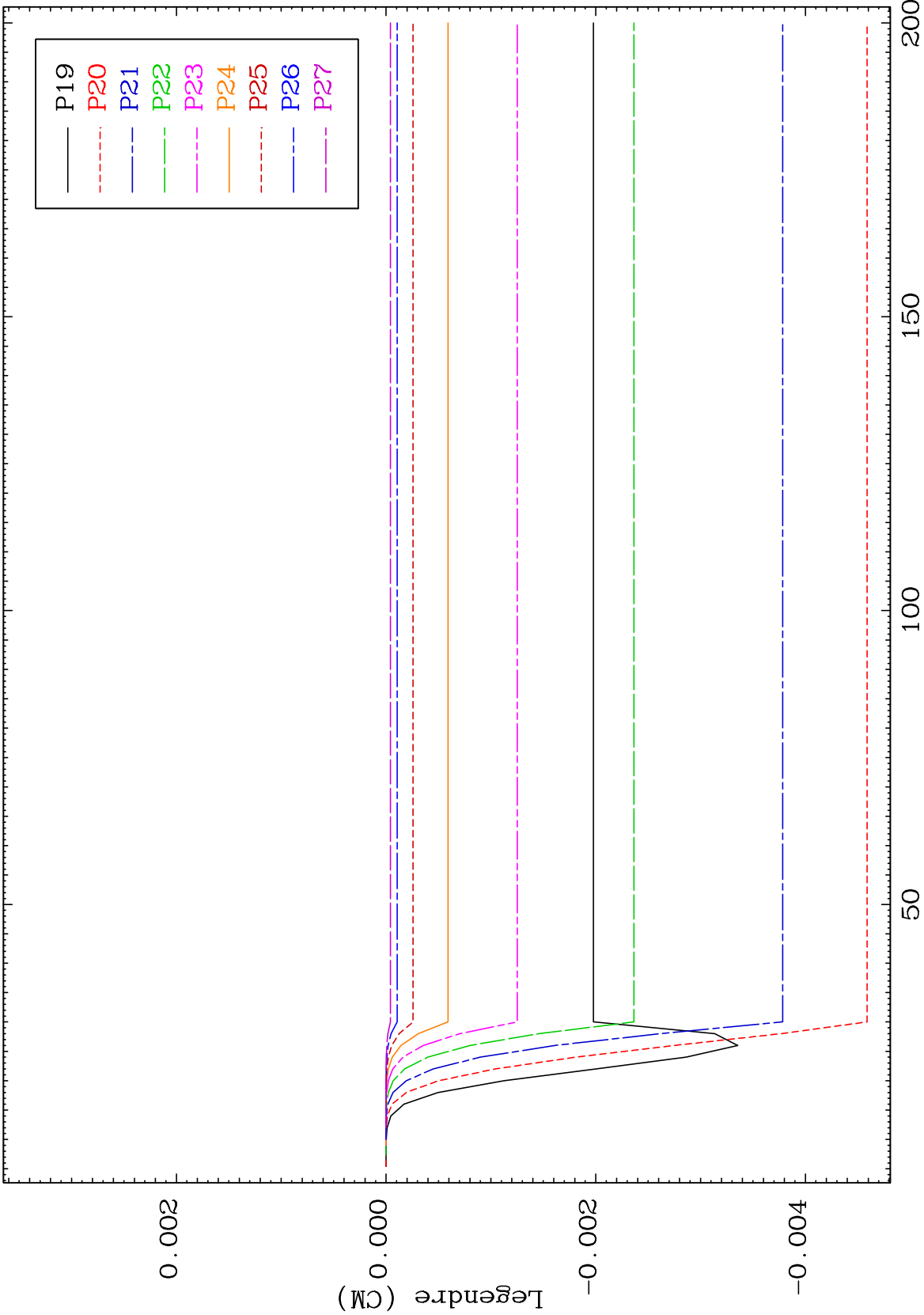
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



34

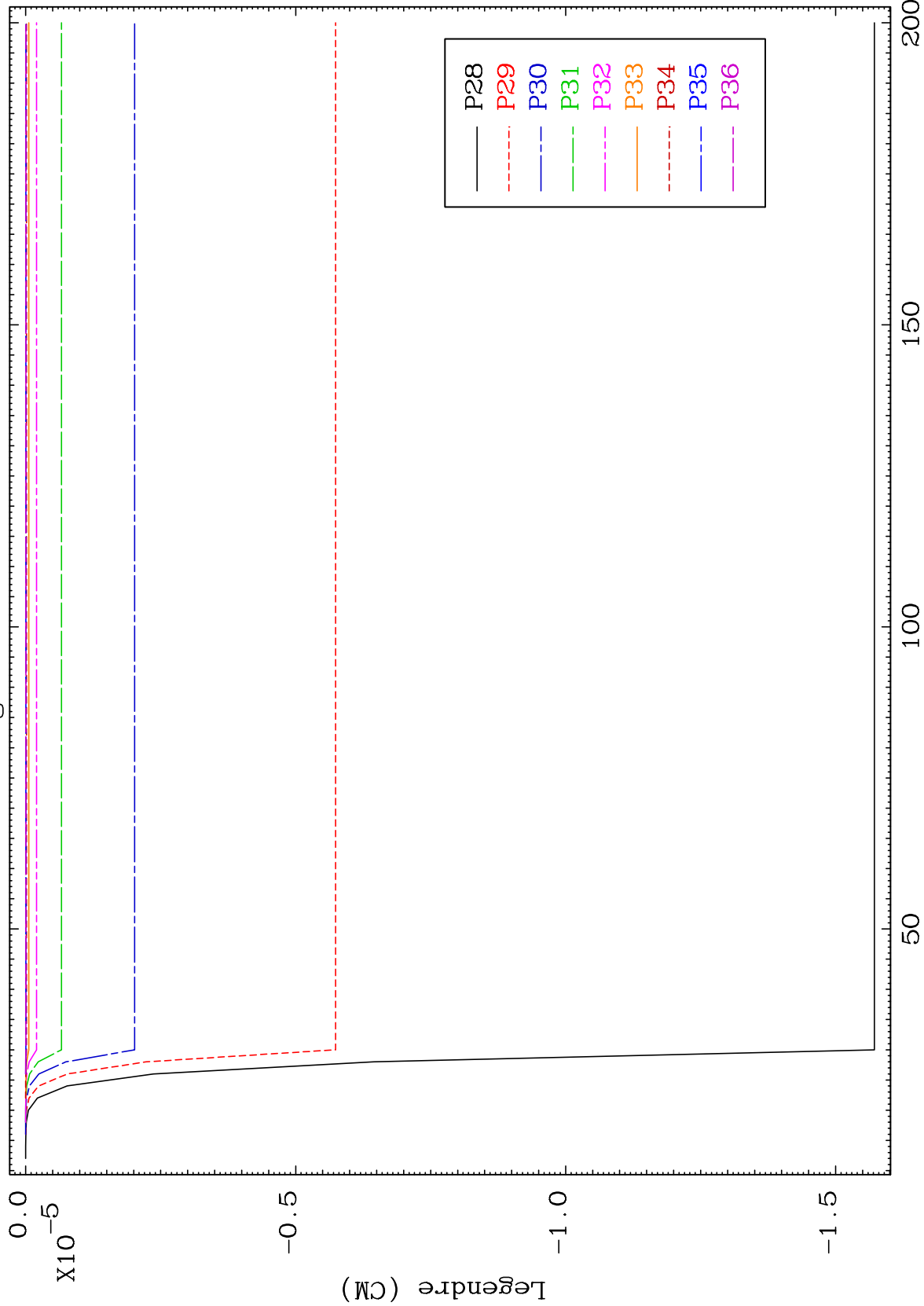
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



68-Er-165

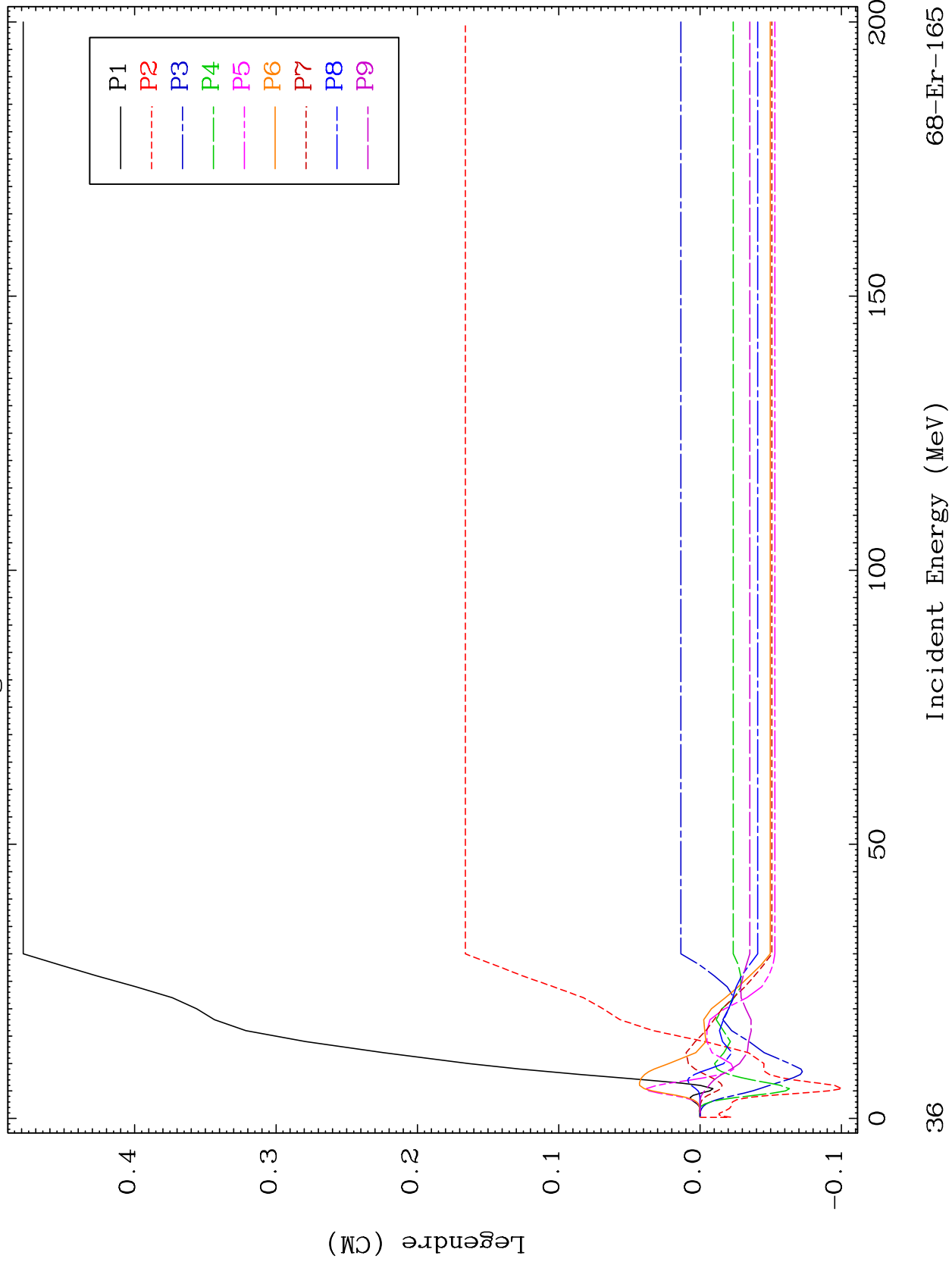
Incident Energy (MeV)

35

MAT 6834

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

68-Er-165



68-Er-165

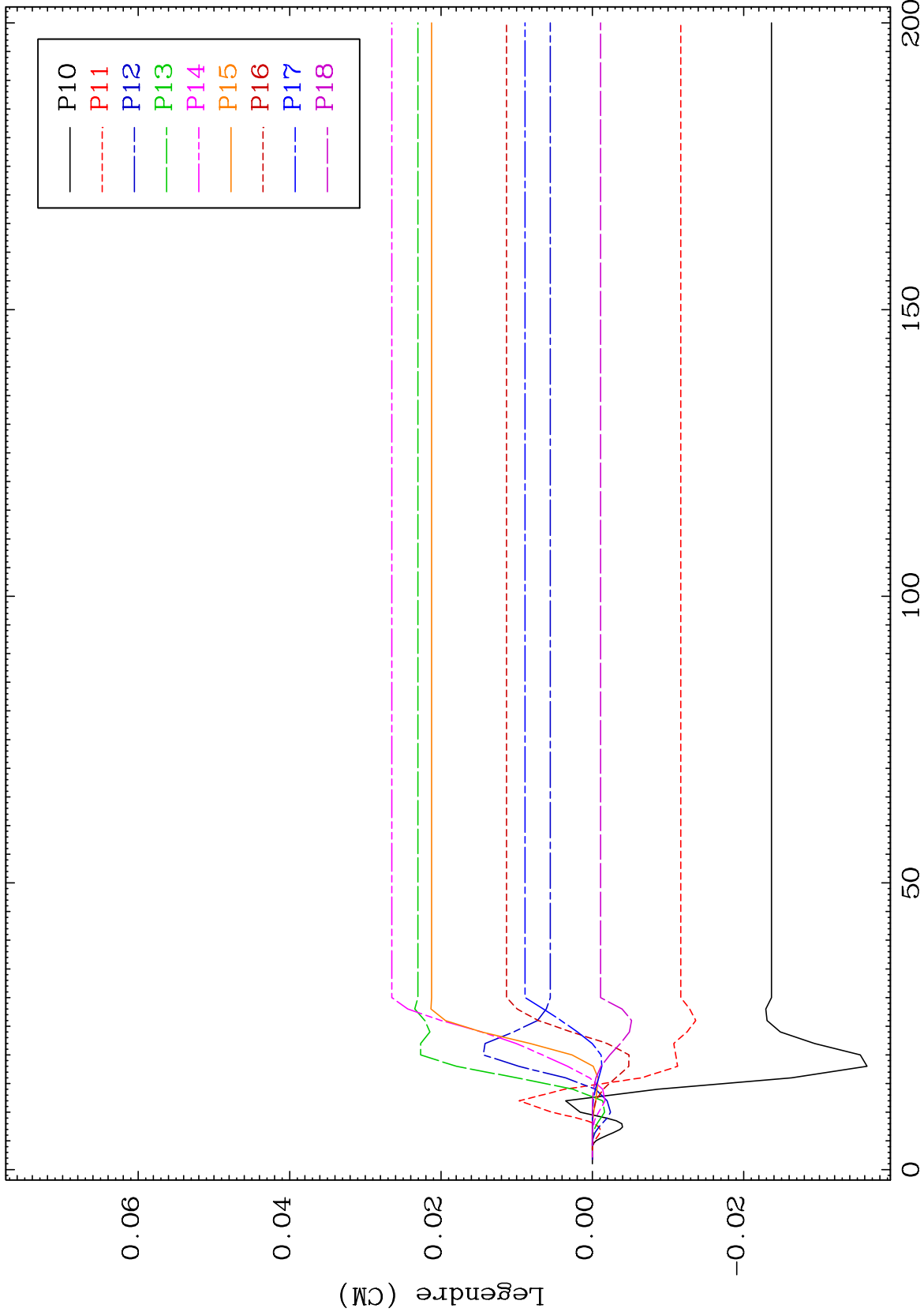
Incident Energy (MeV)

36

MAT 6834

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

68-Er-165



37

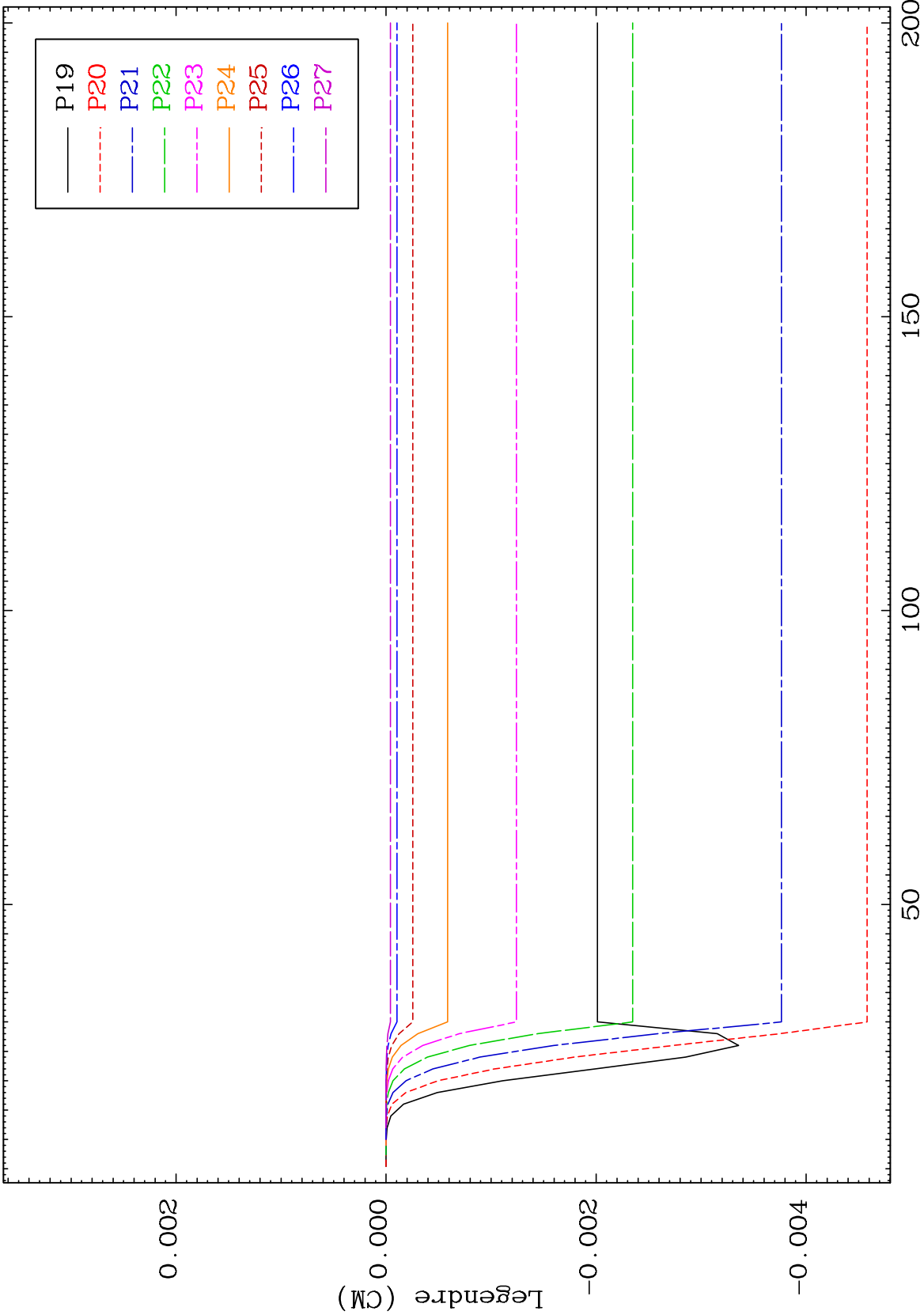
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



38

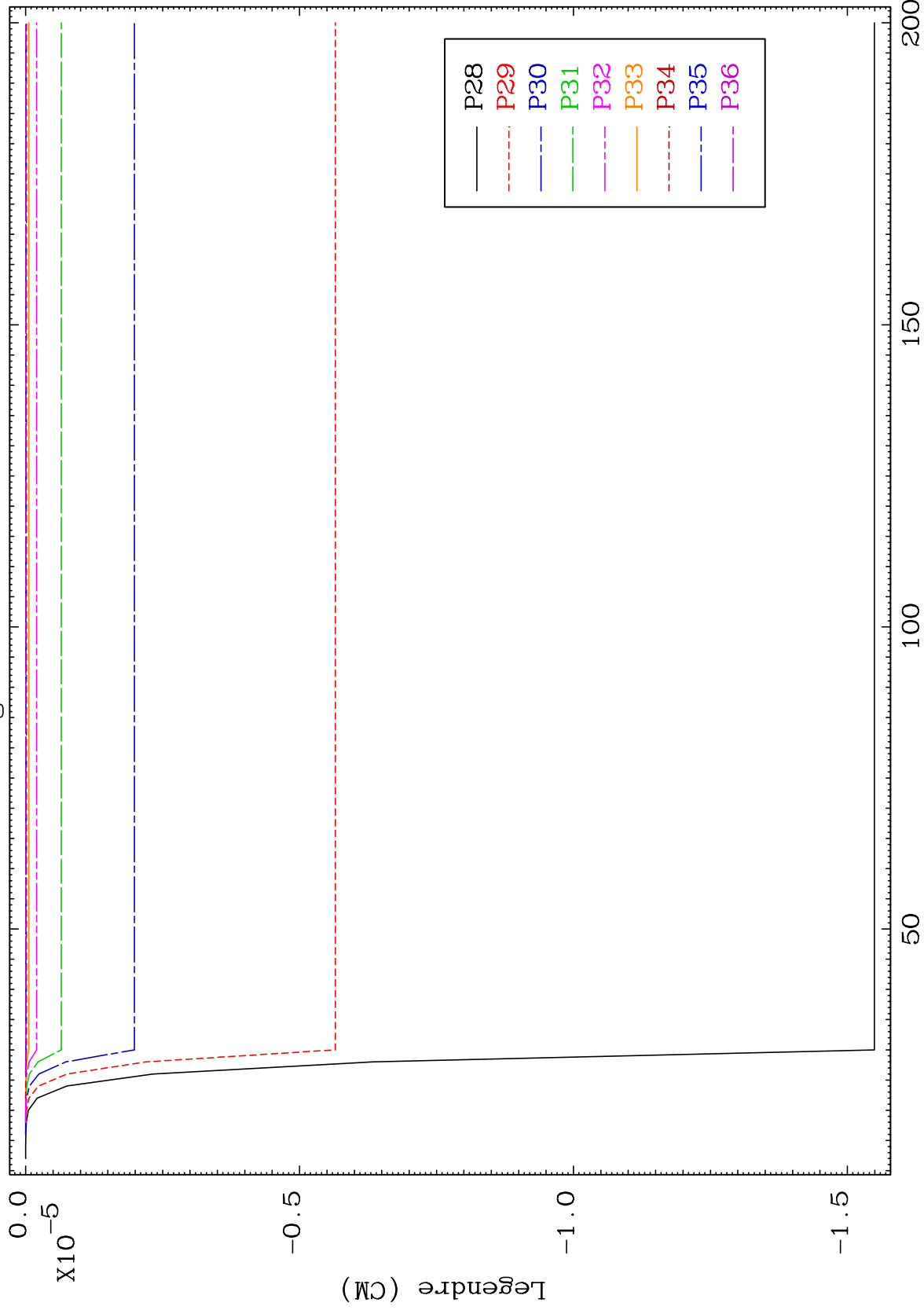
Incident Energy (MeV)

68-Er-165

MAT 6834

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

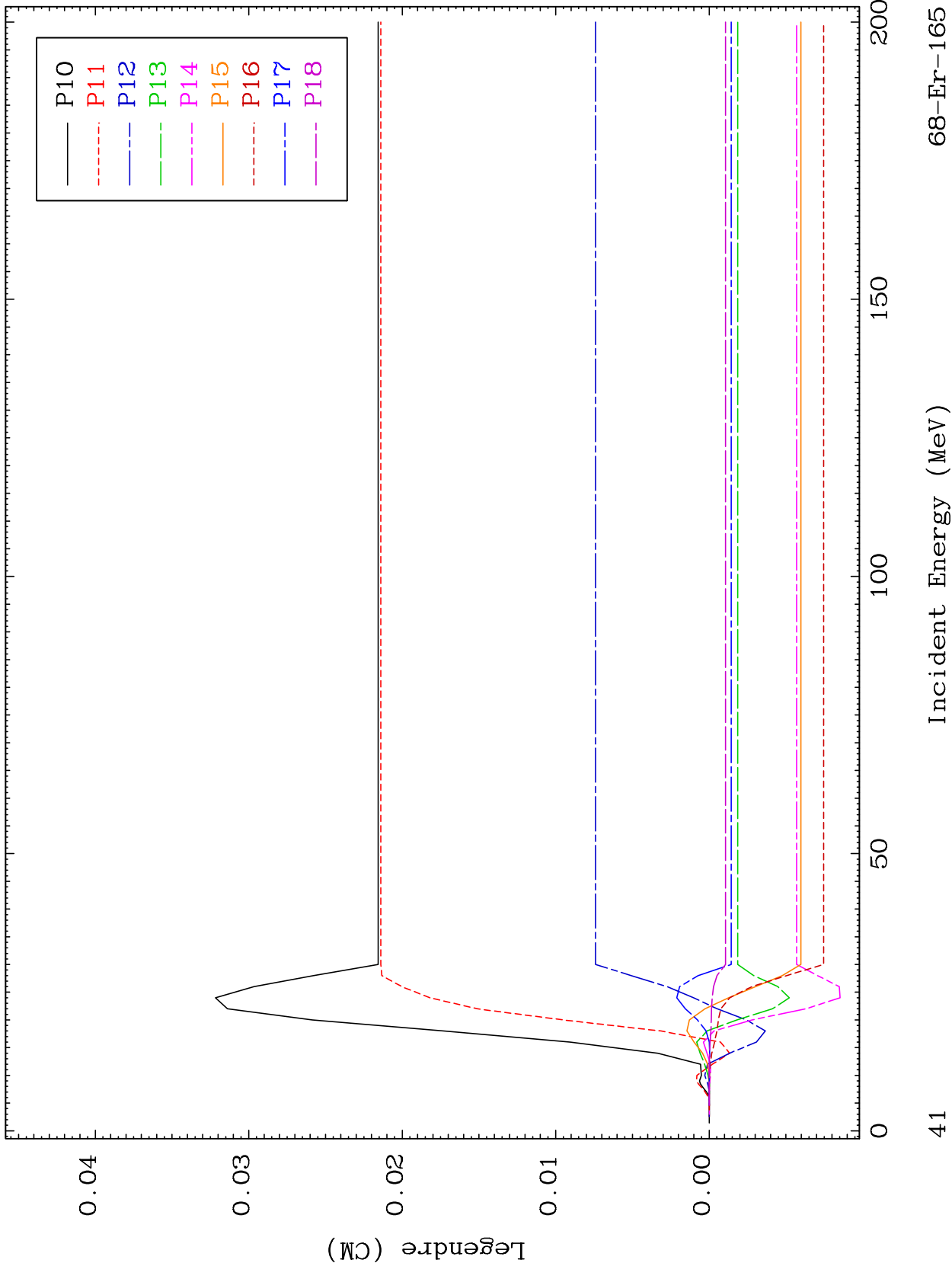
68-Er-165



MAT 6834

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

68-Er-165



41

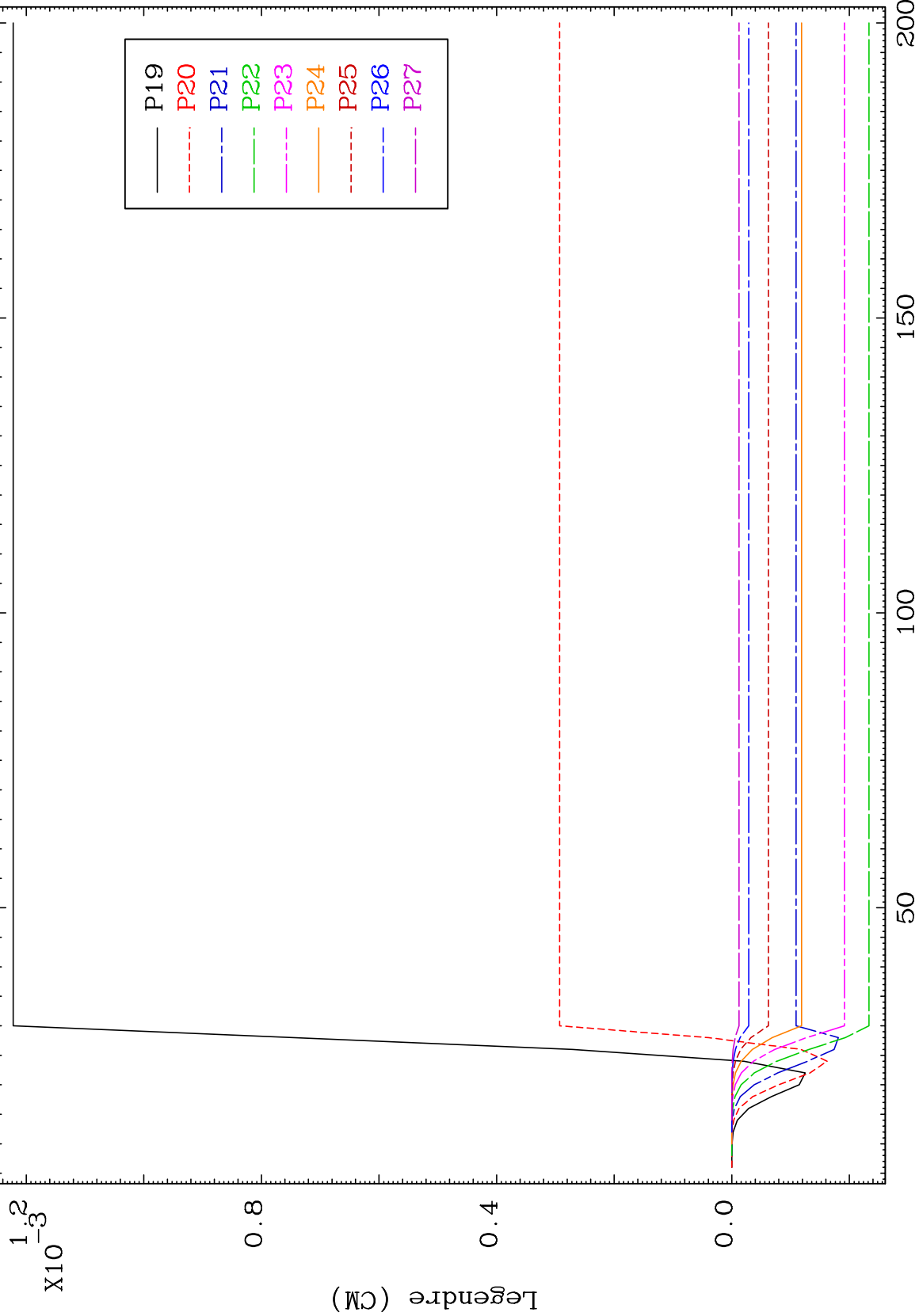
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



42

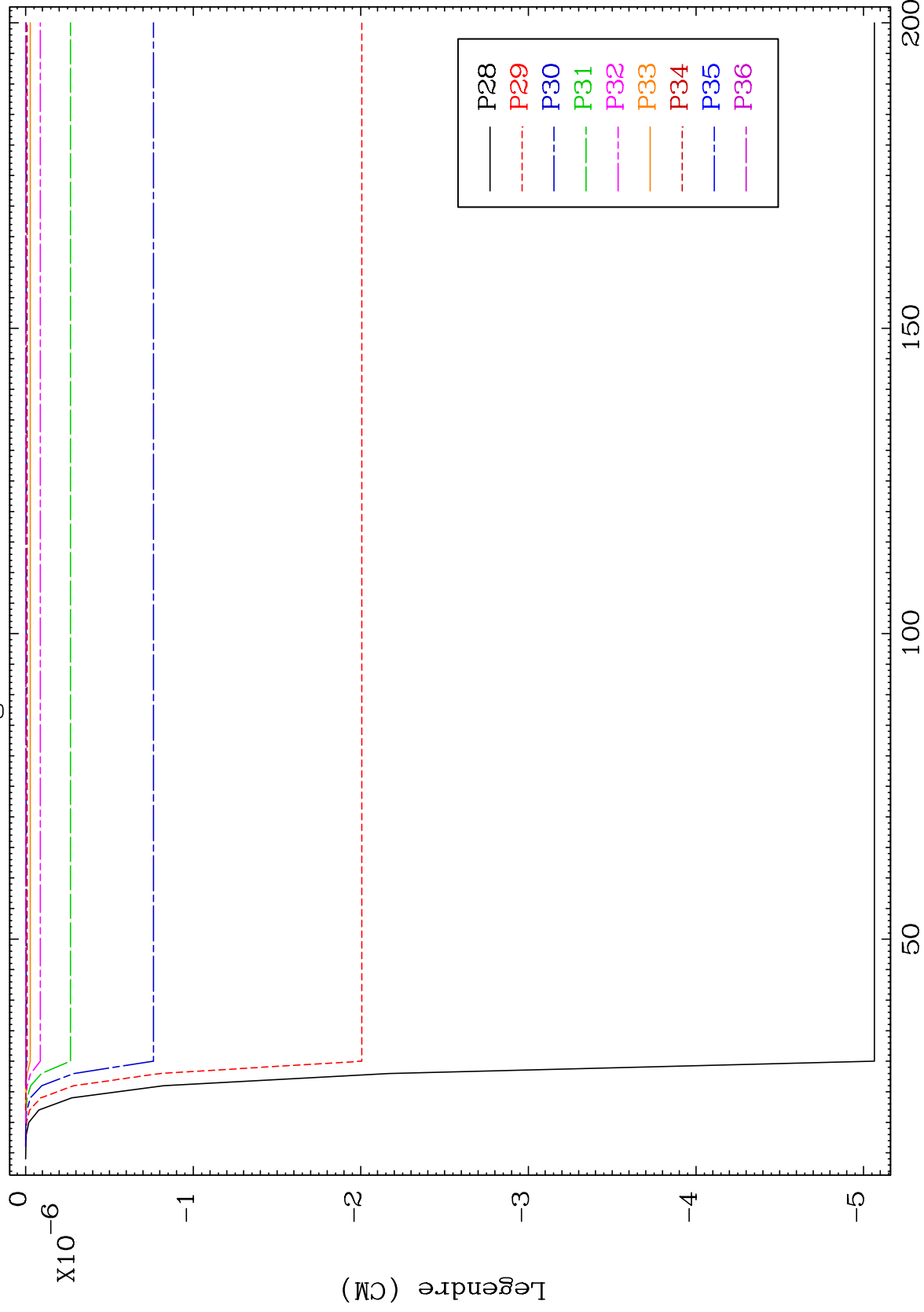
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



43

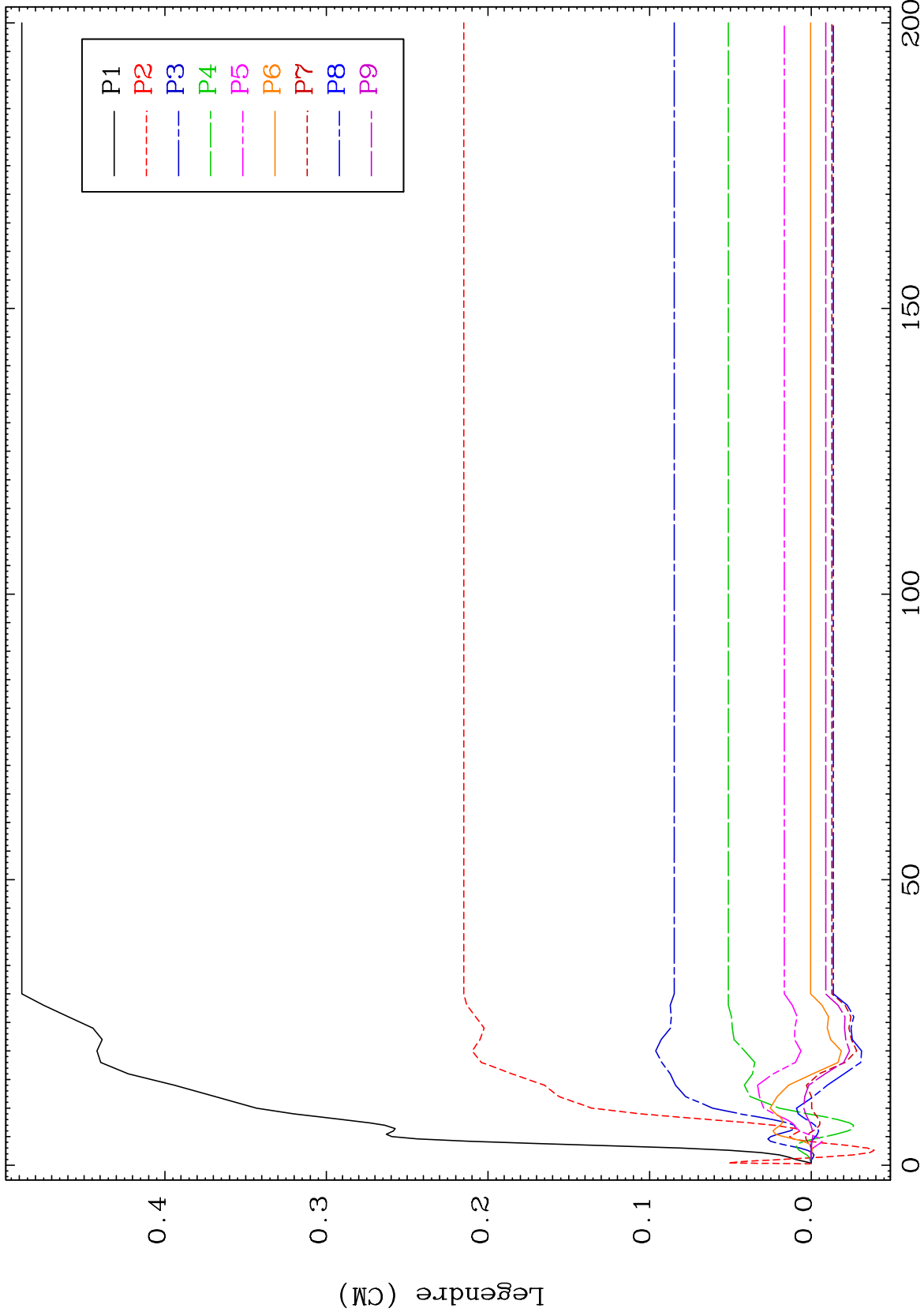
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



44

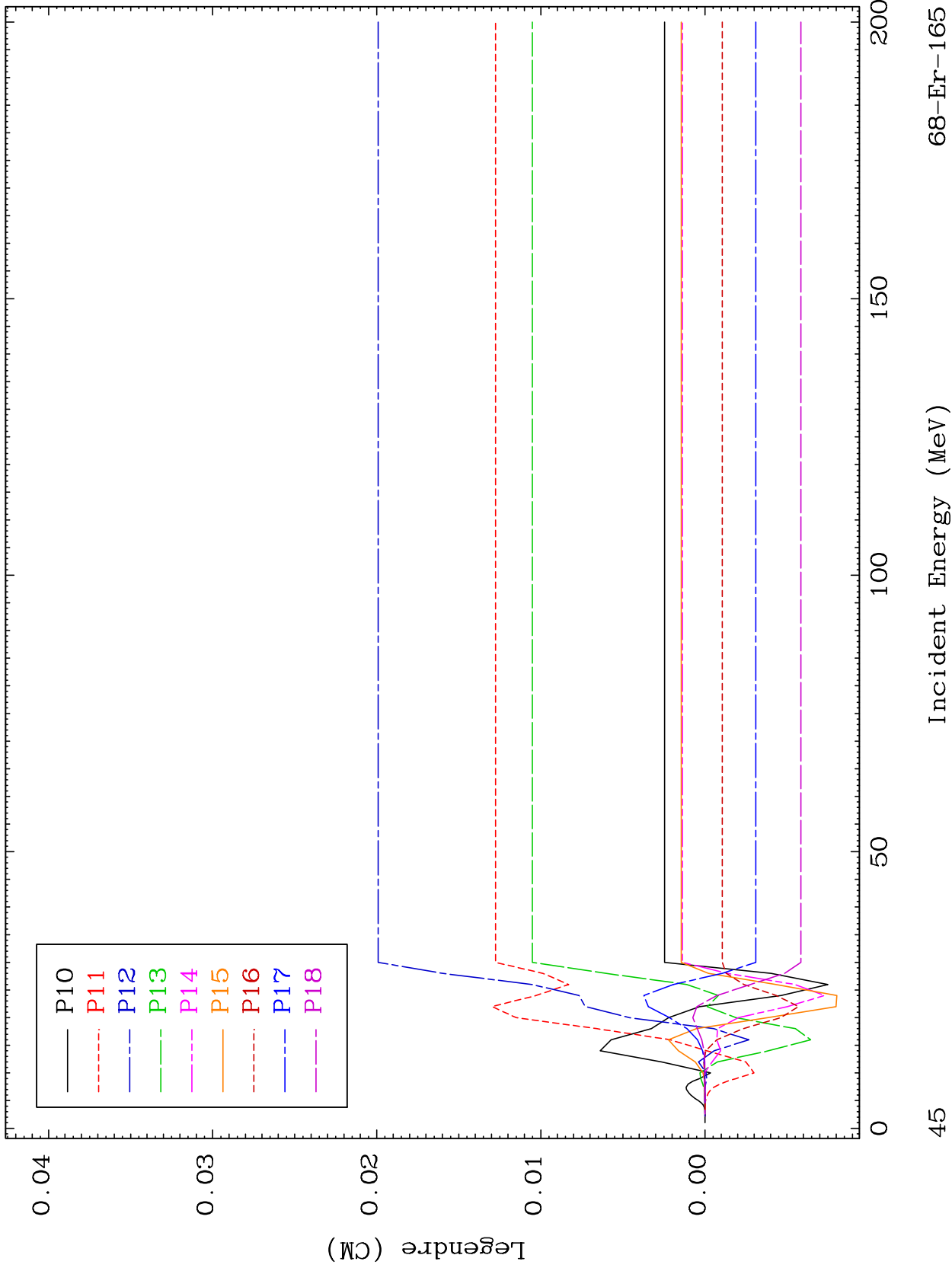
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



68-Er-165

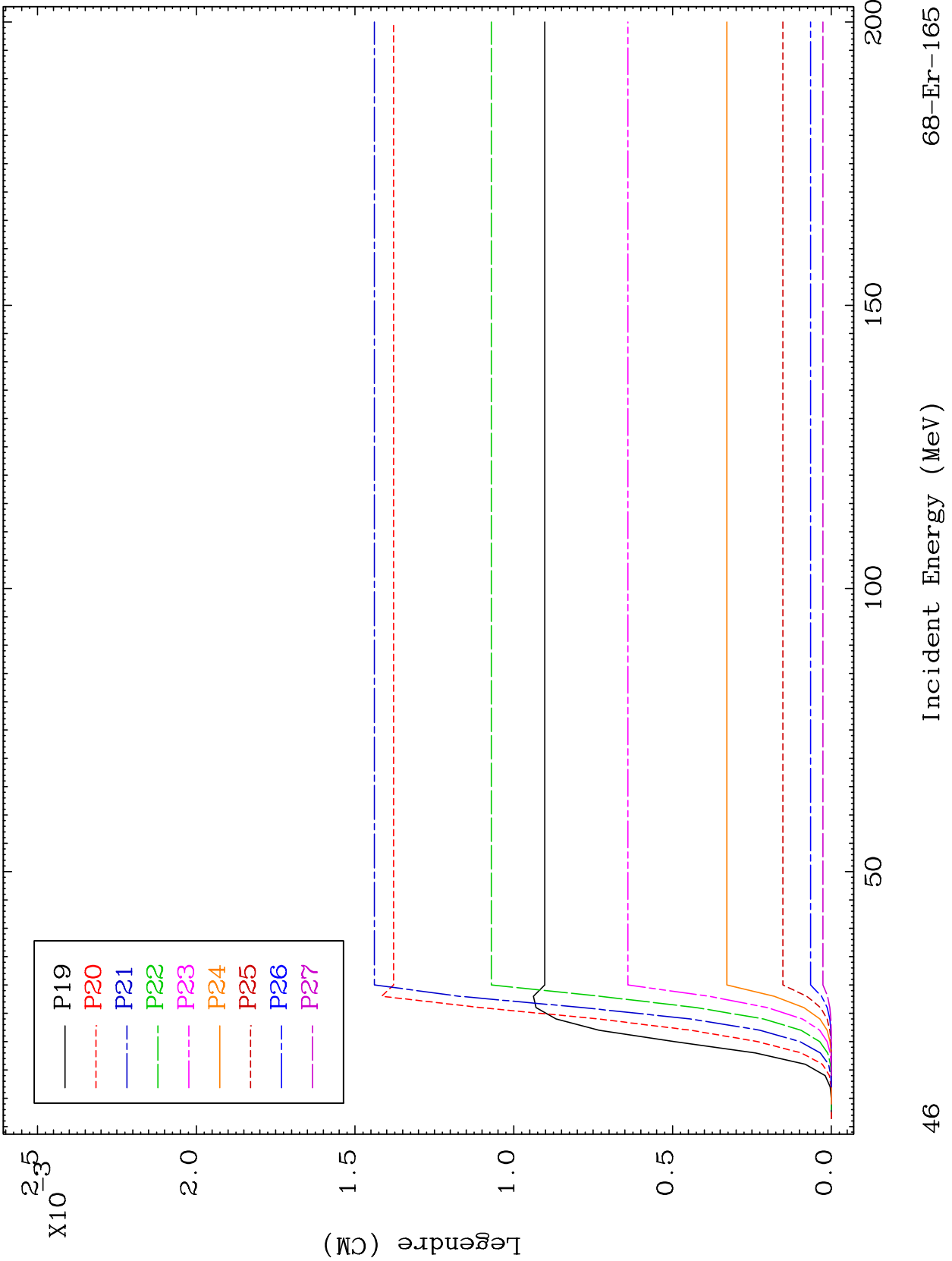
Incident Energy (MeV)

45

MAT 6834

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

68-Er-165



46

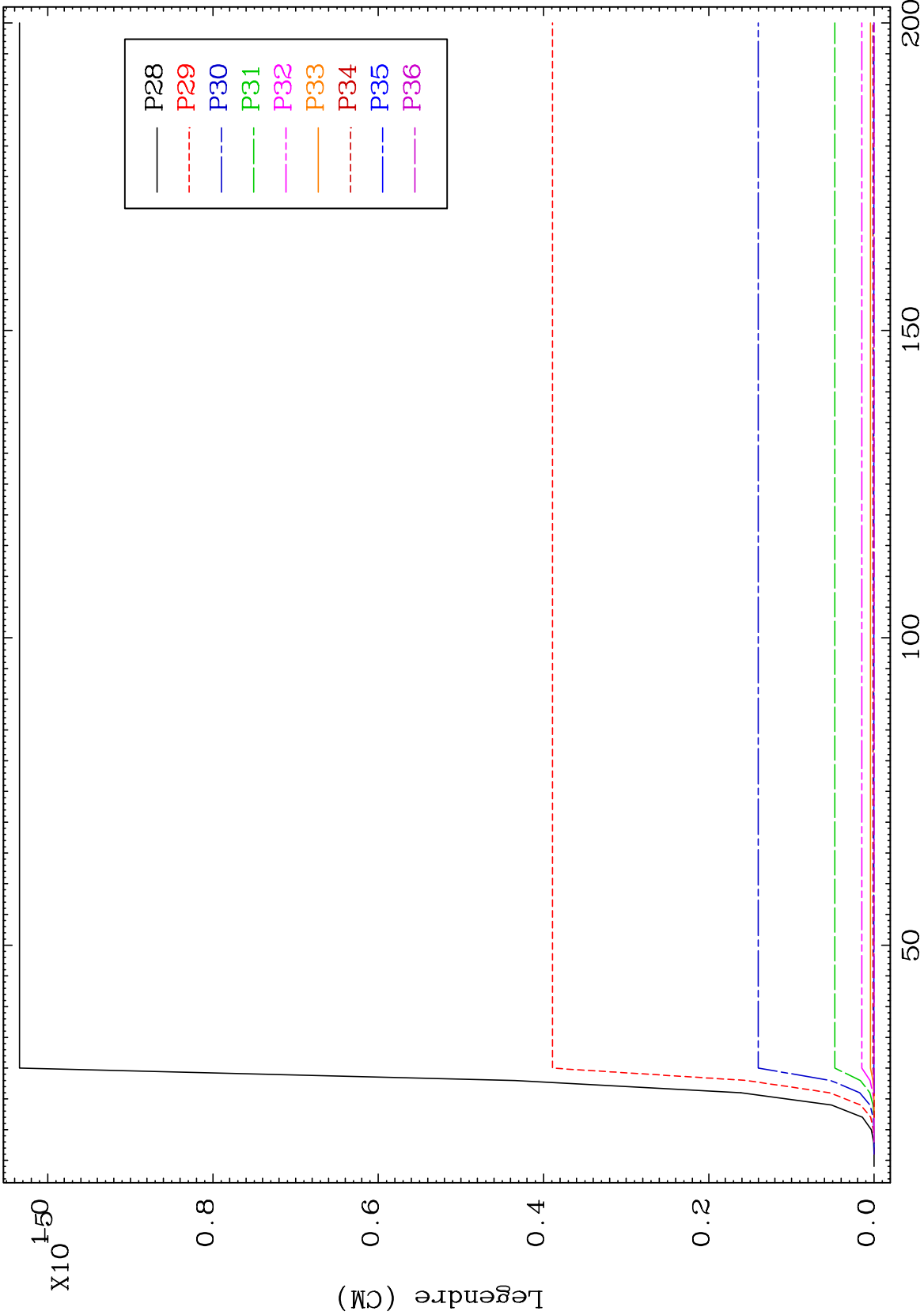
Incident Energy (MeV)

68-Er-165

MAT 6834

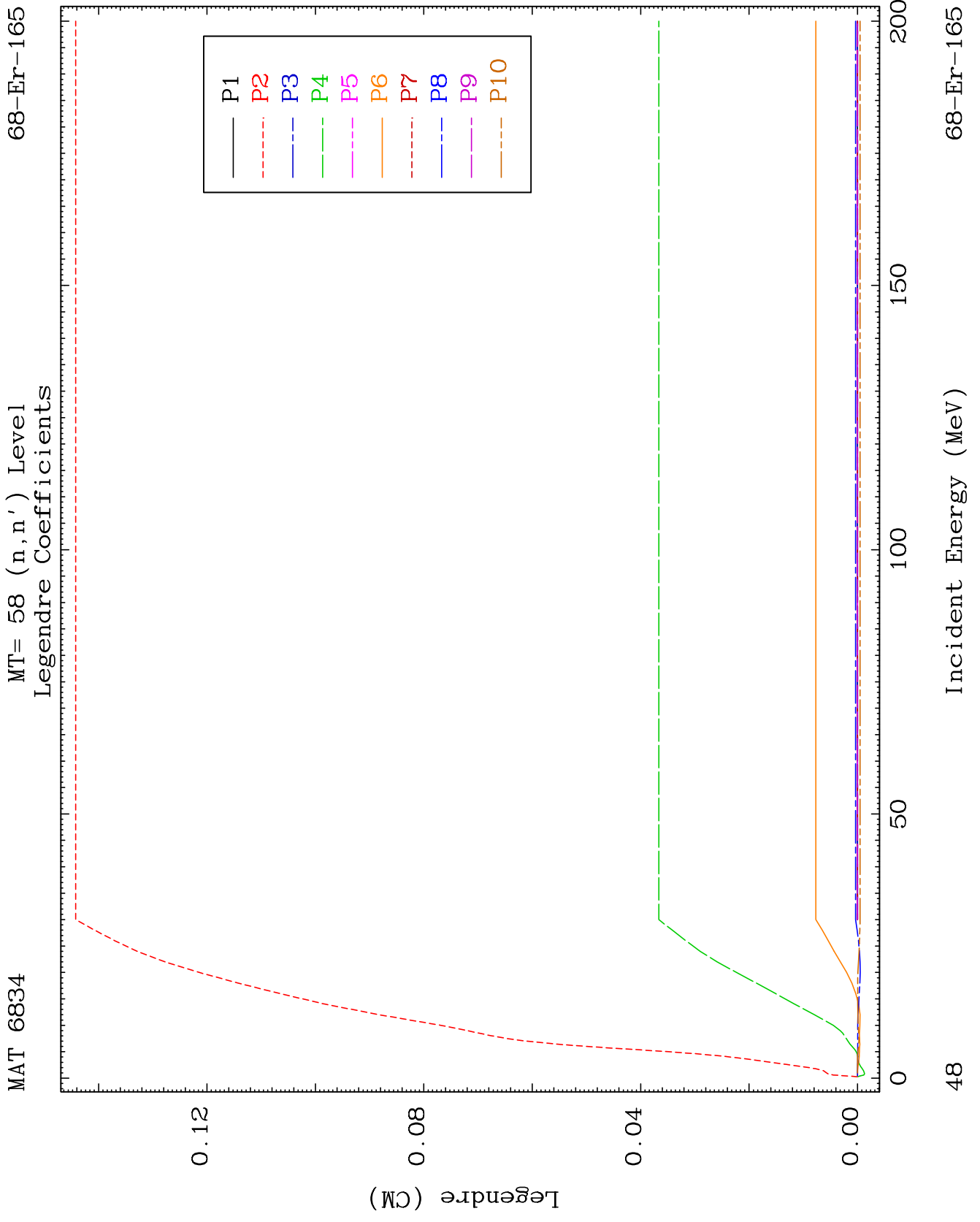
MT= 57 (n,n') Level
Legendre Coefficients

68-Er-165



47

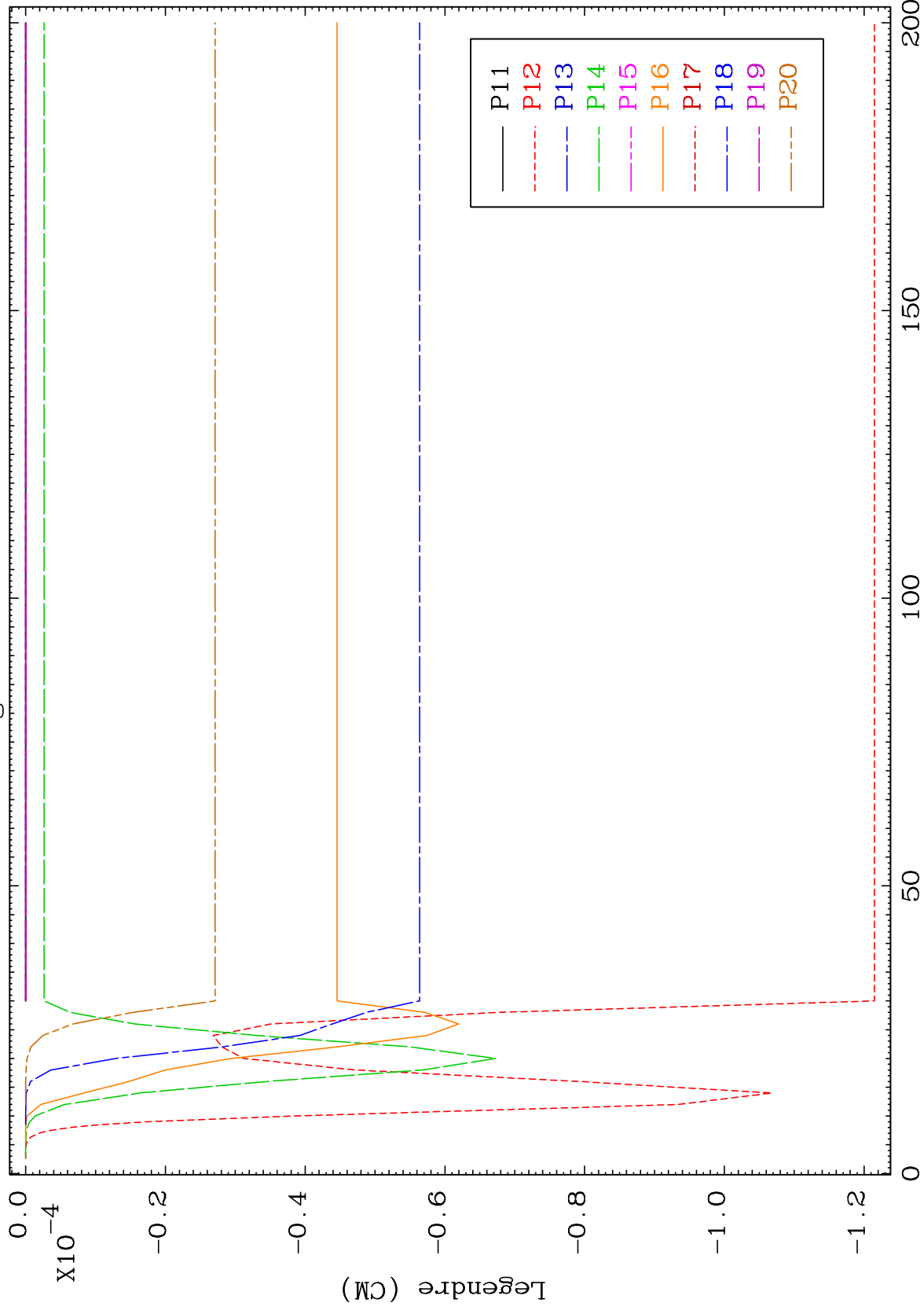
68-Er-165



MAT 6834

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

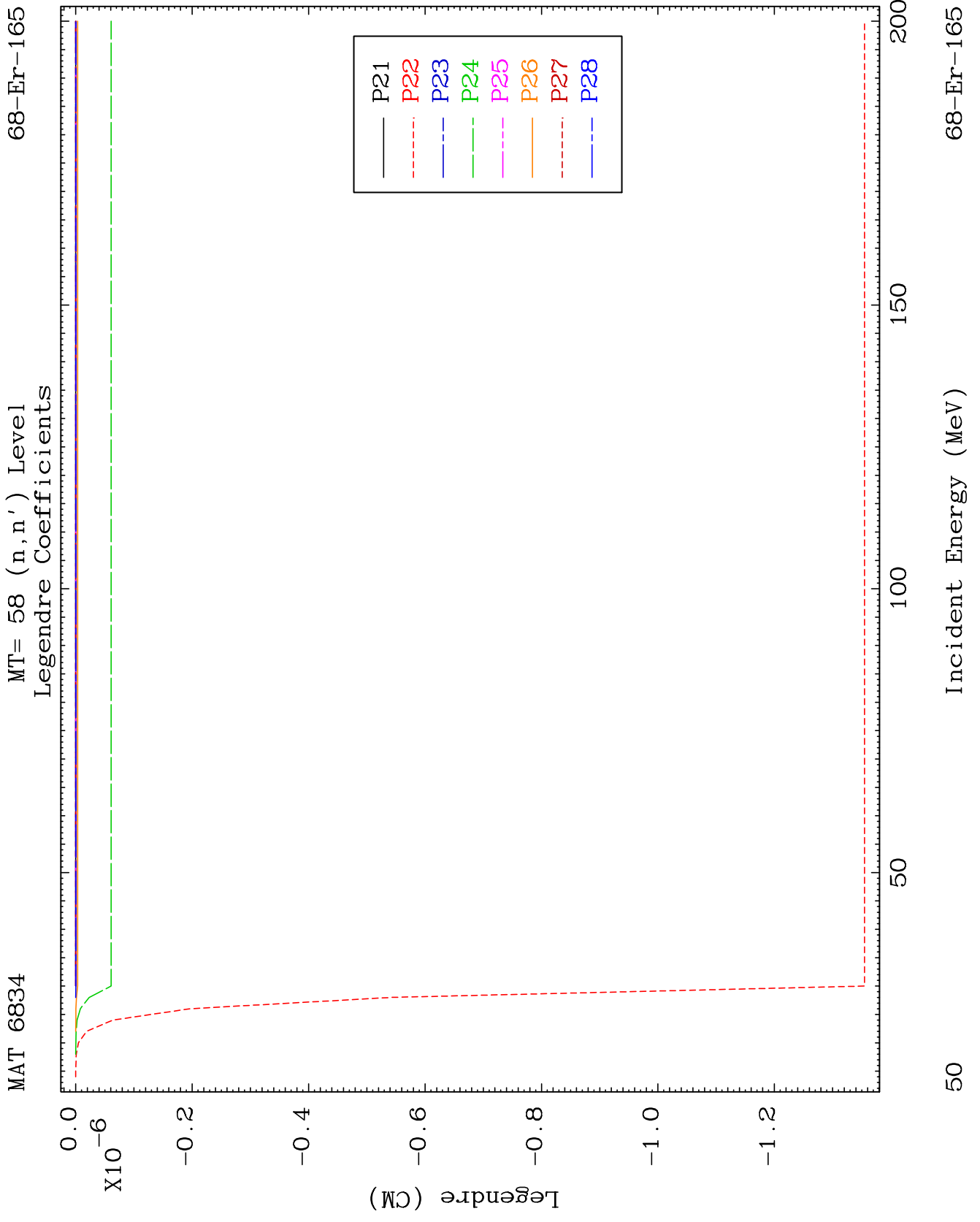
68-Er-165



49

Incident Energy (MeV)

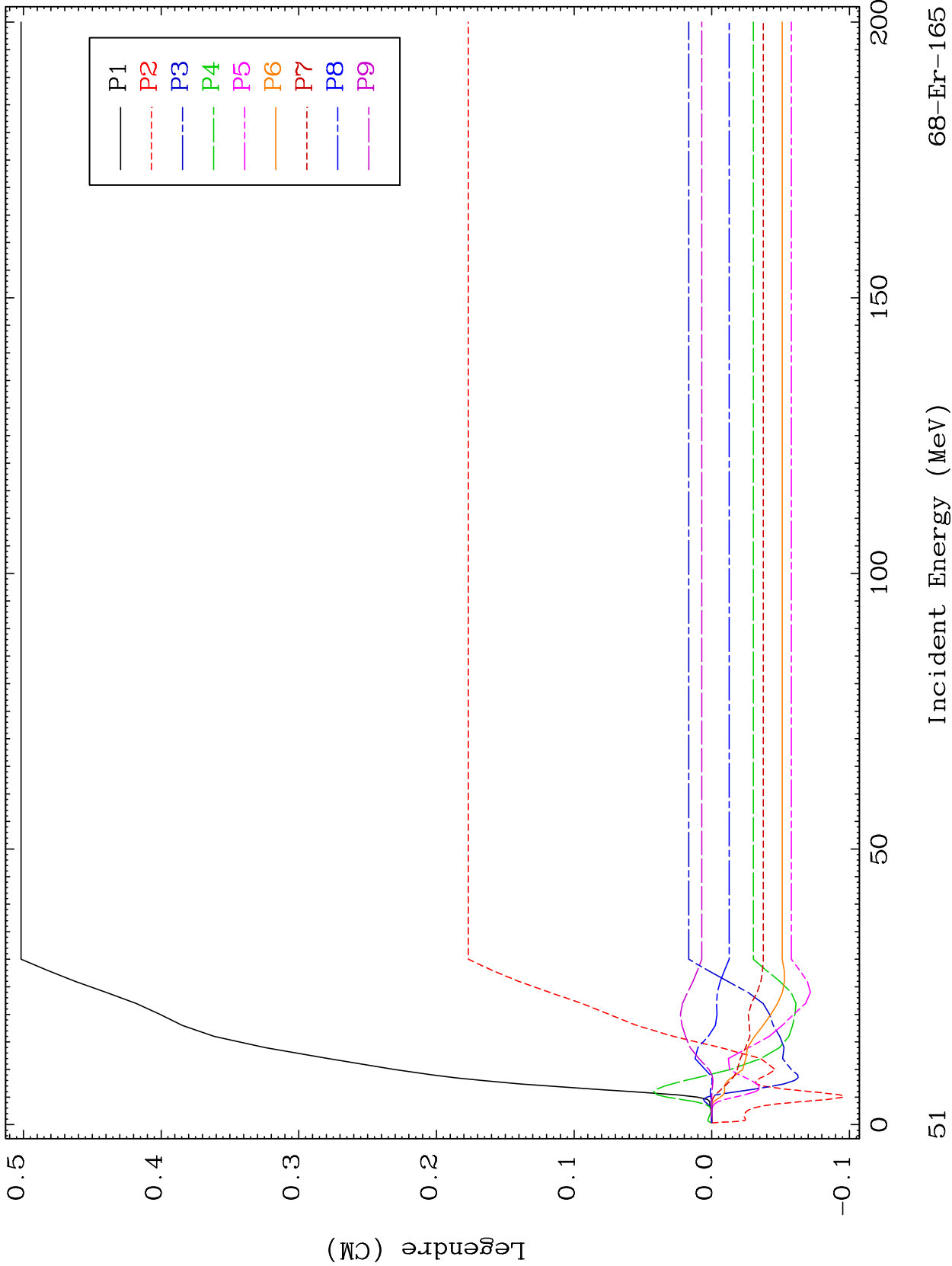
68-Er-165



MAT 6834

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

68-Er-165



51

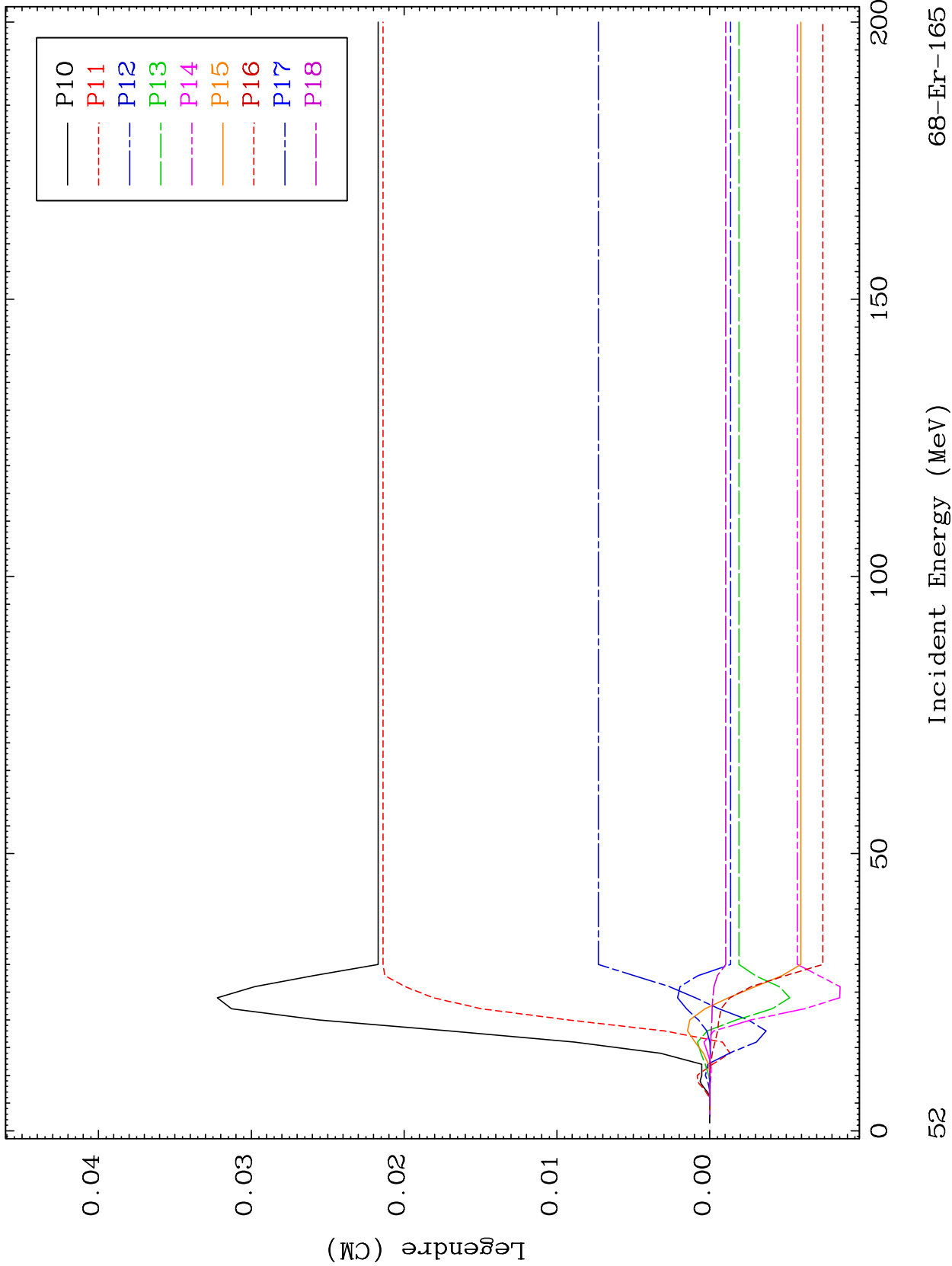
Incident Energy (MeV)

68-Er-165

MAT 6834

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

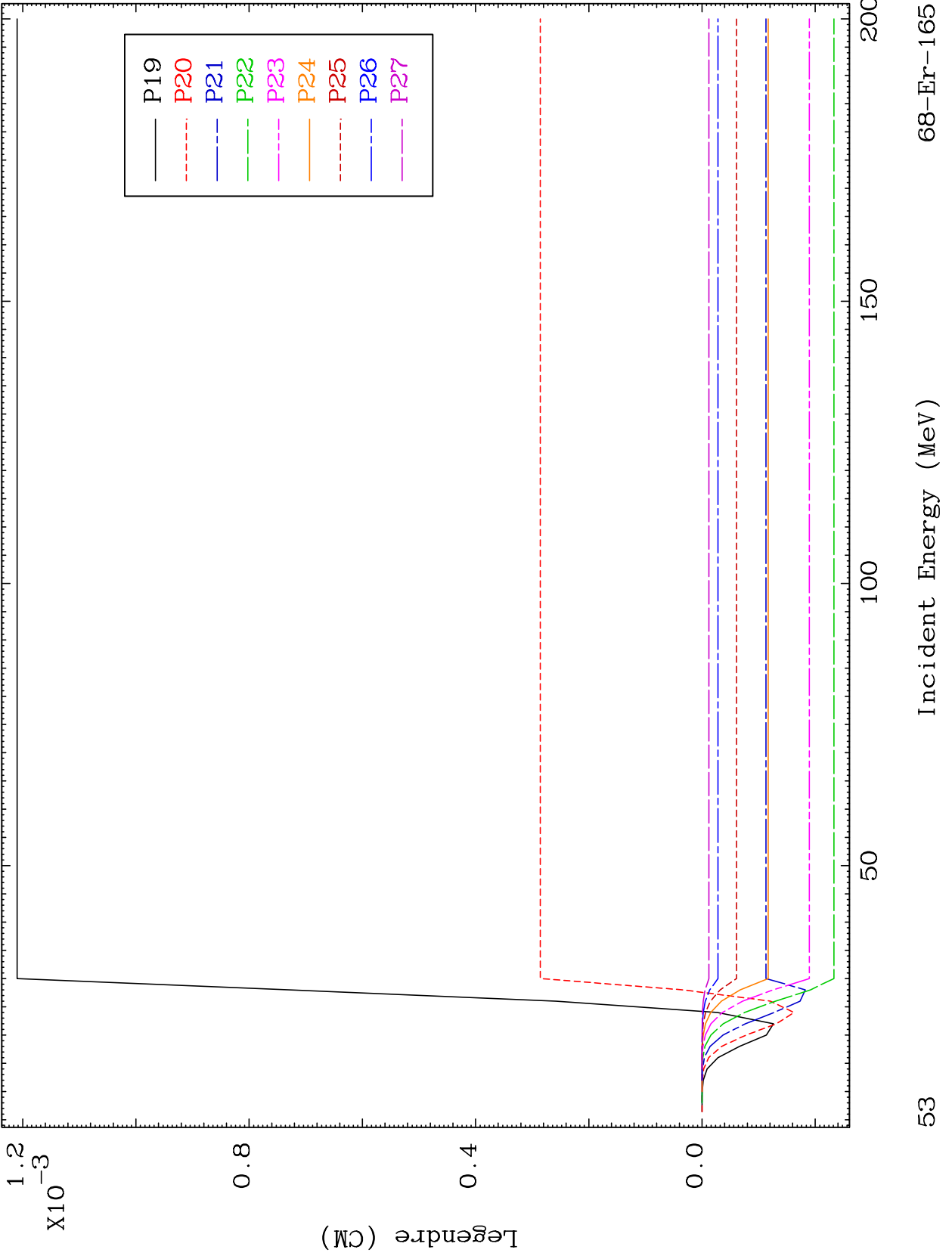
68-Er-165



68-Er-165

Incident Energy (MeV)

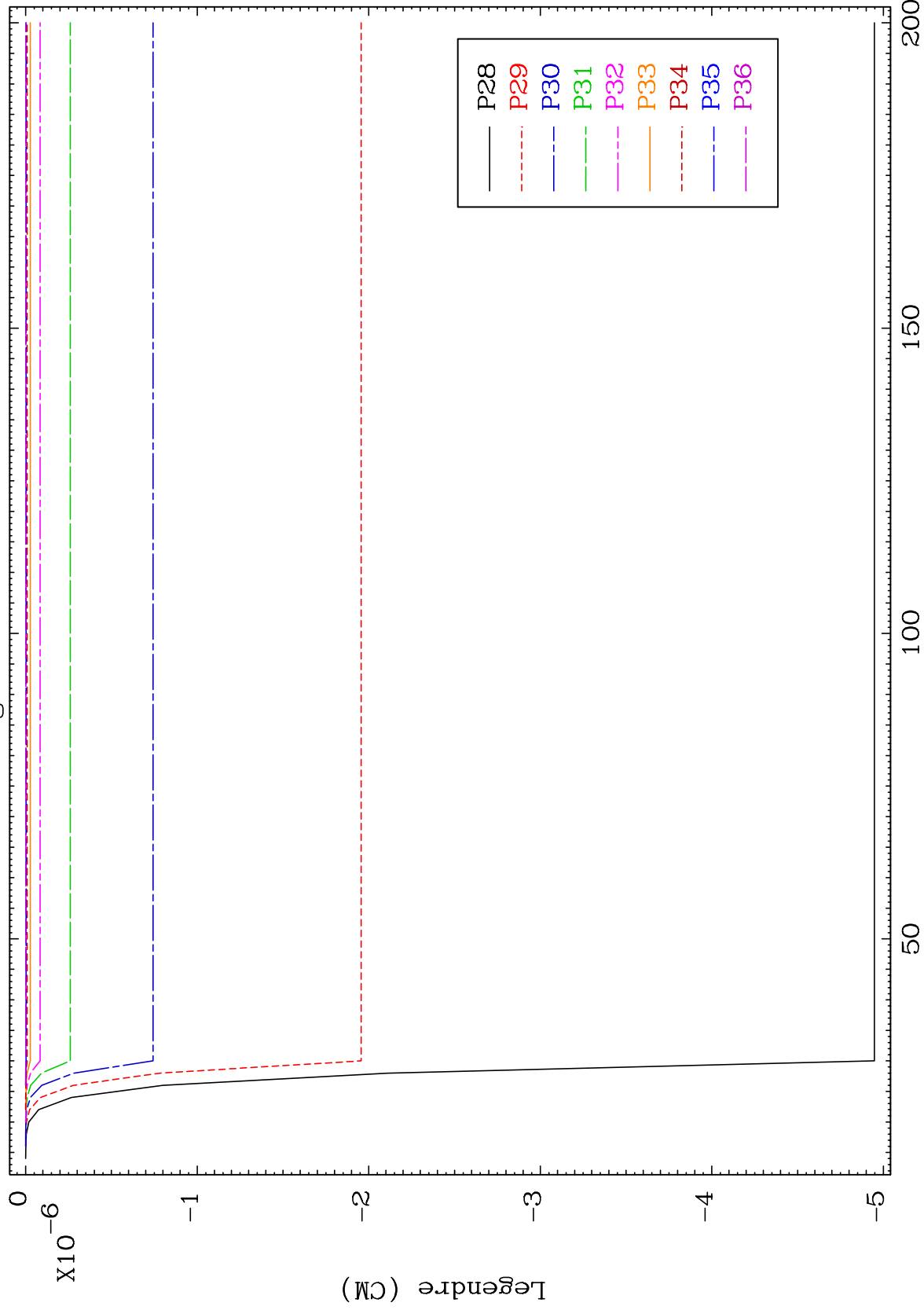
52



MAT 6834

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

68-Er-165



54

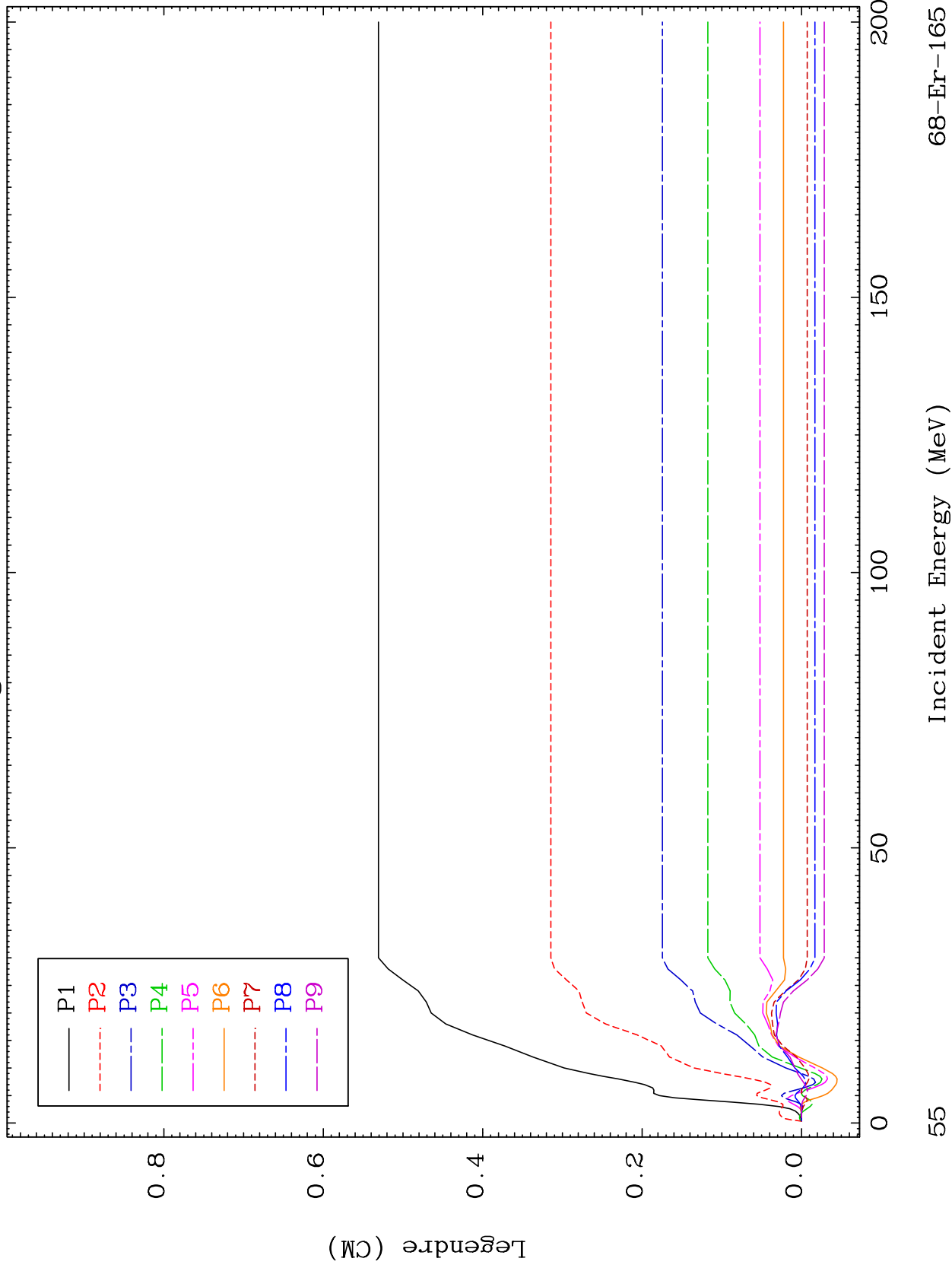
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



68-Er-165

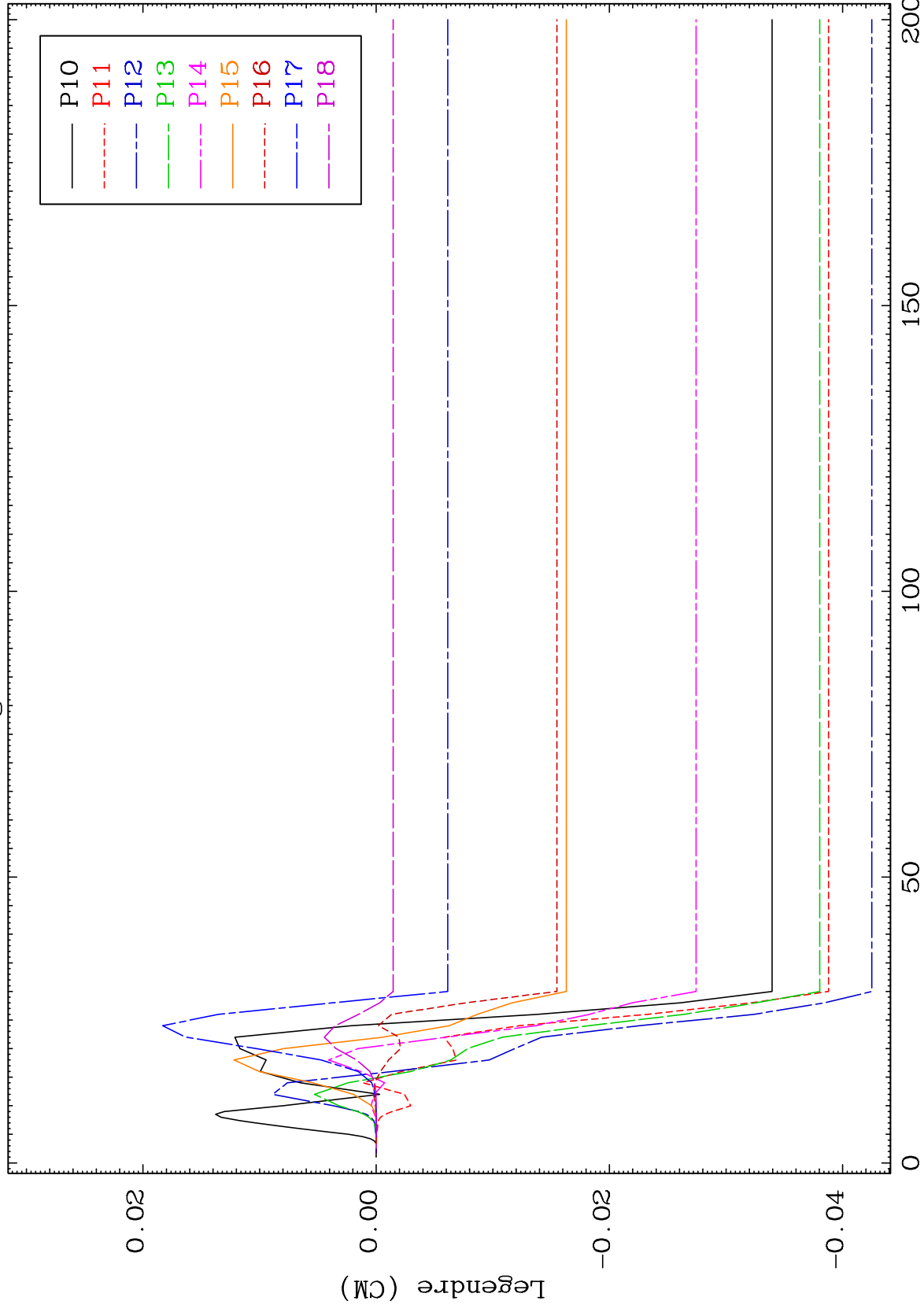
Incident Energy (MeV)

55

MAT 6834

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

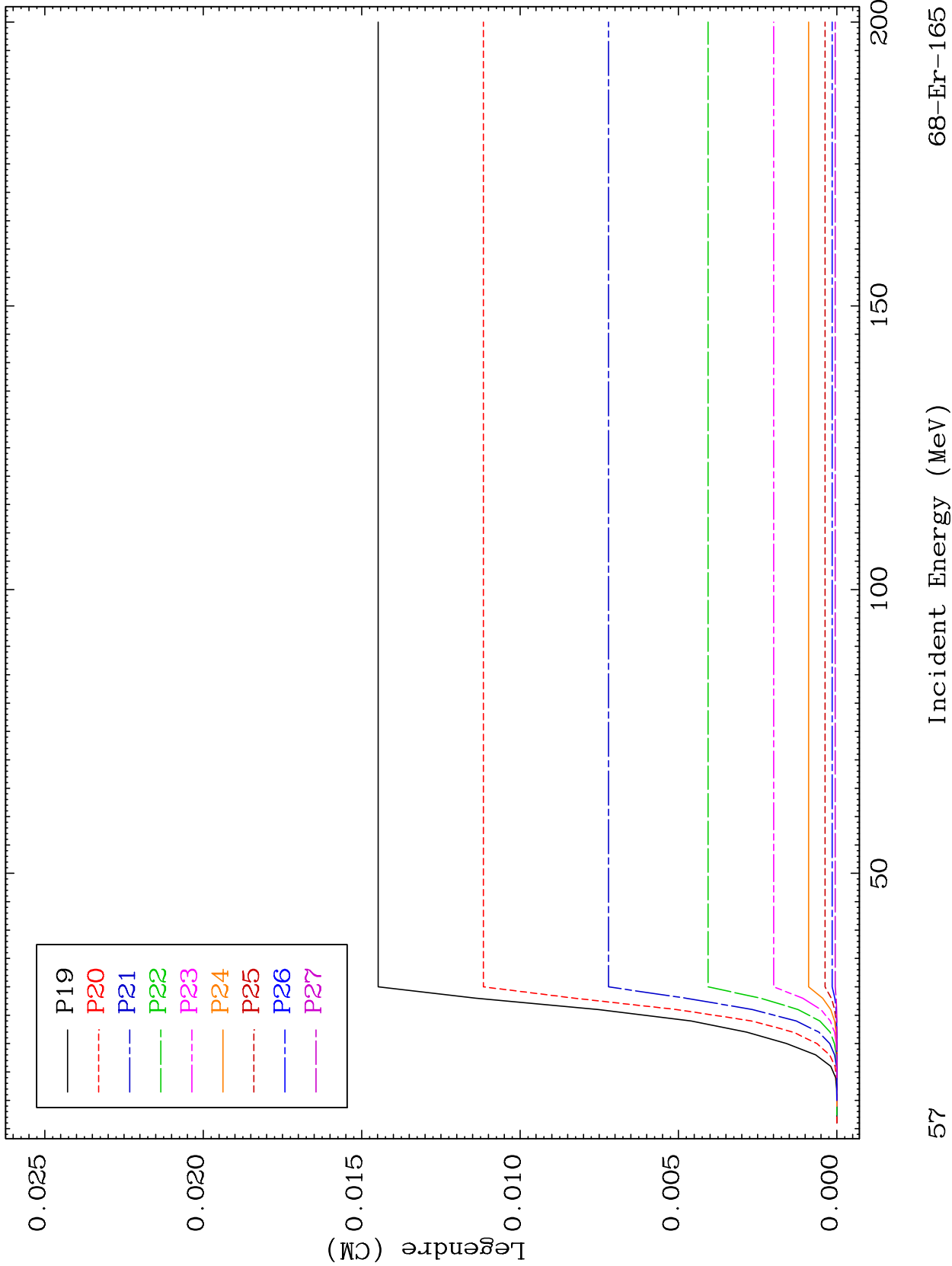
68-Er-165



56

Incident Energy (MeV)

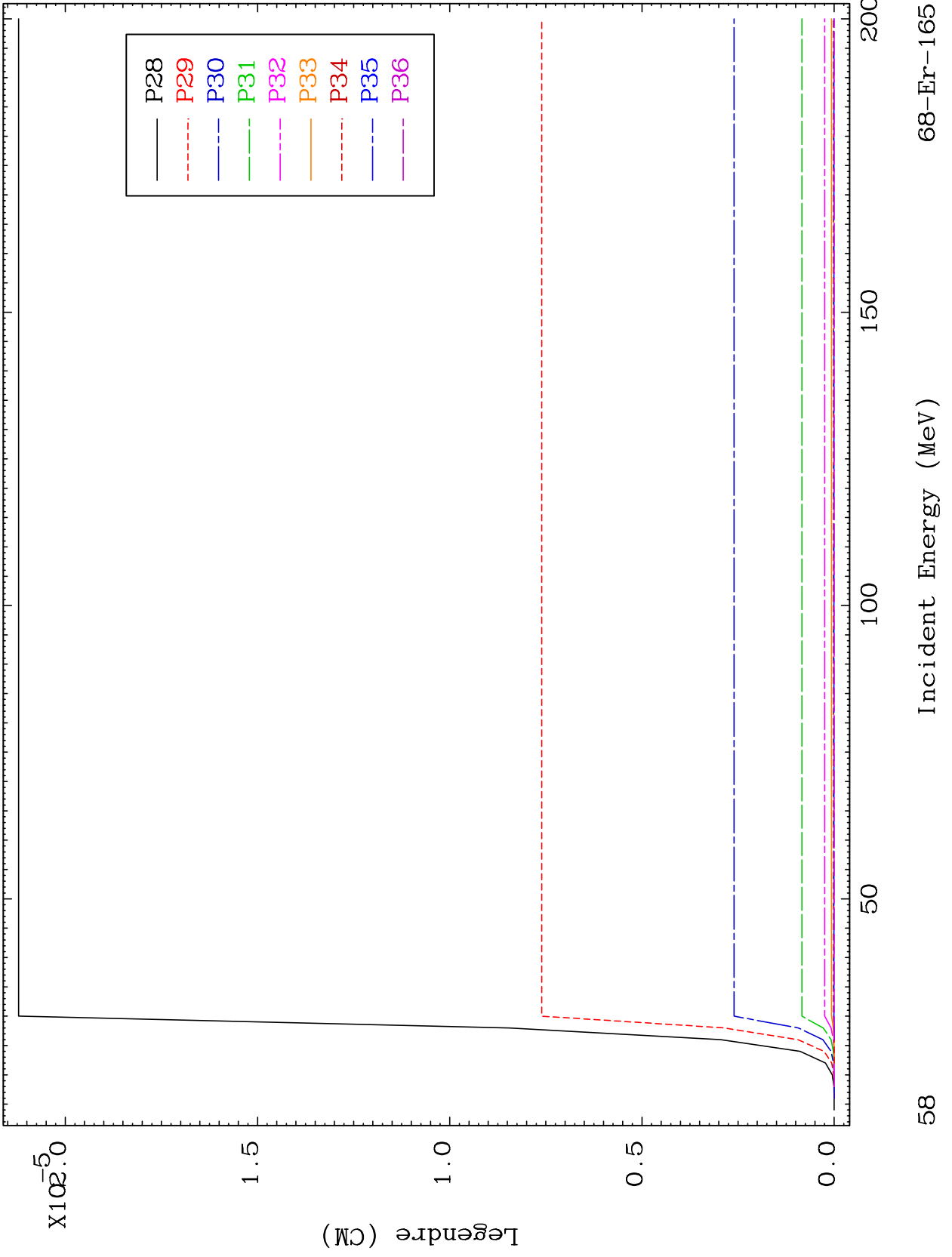
68-Er-165



MAT 6834

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

68-Er-165



58

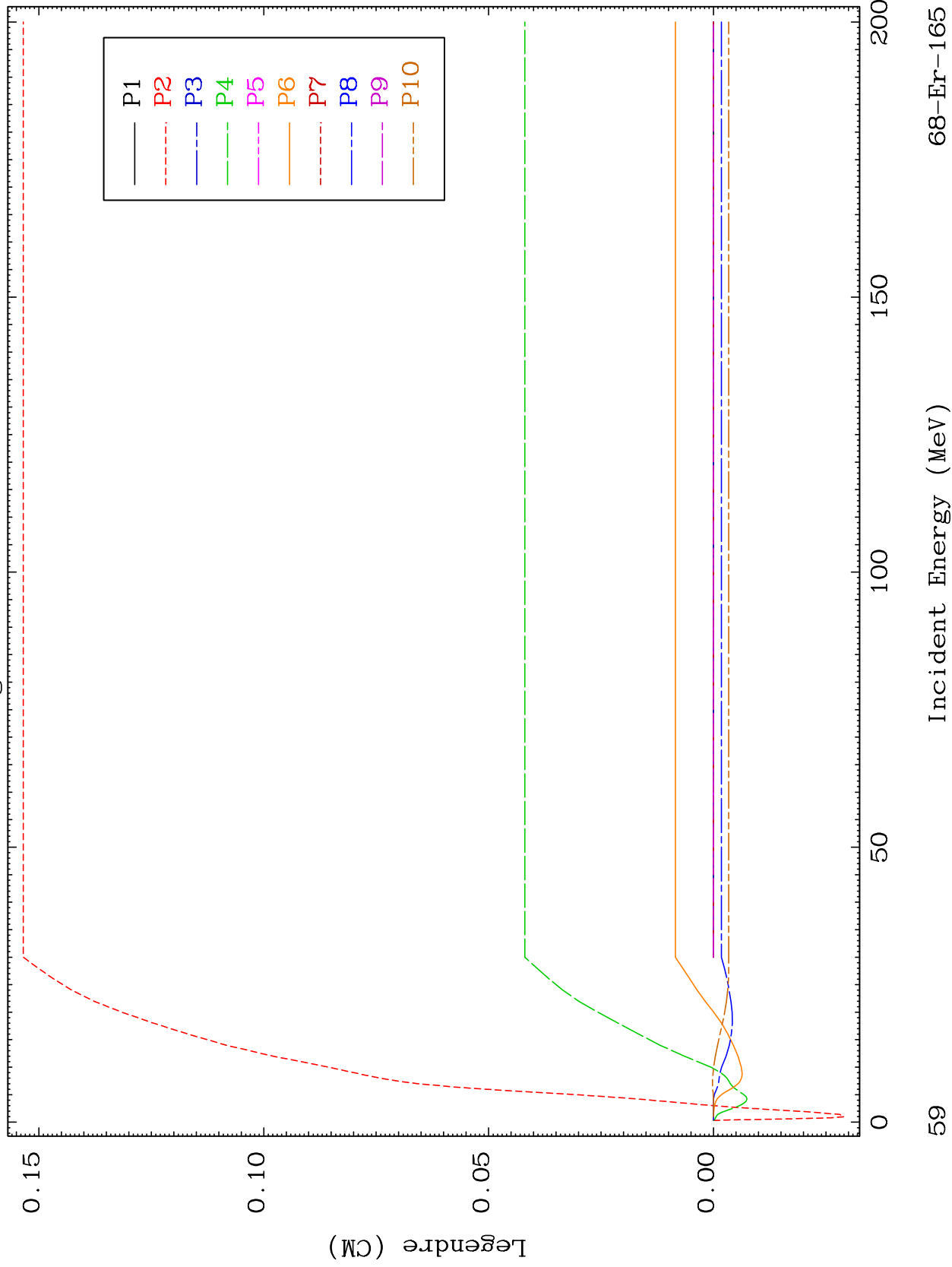
Incident Energy (MeV)

68-Er-165

MAT 6834

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

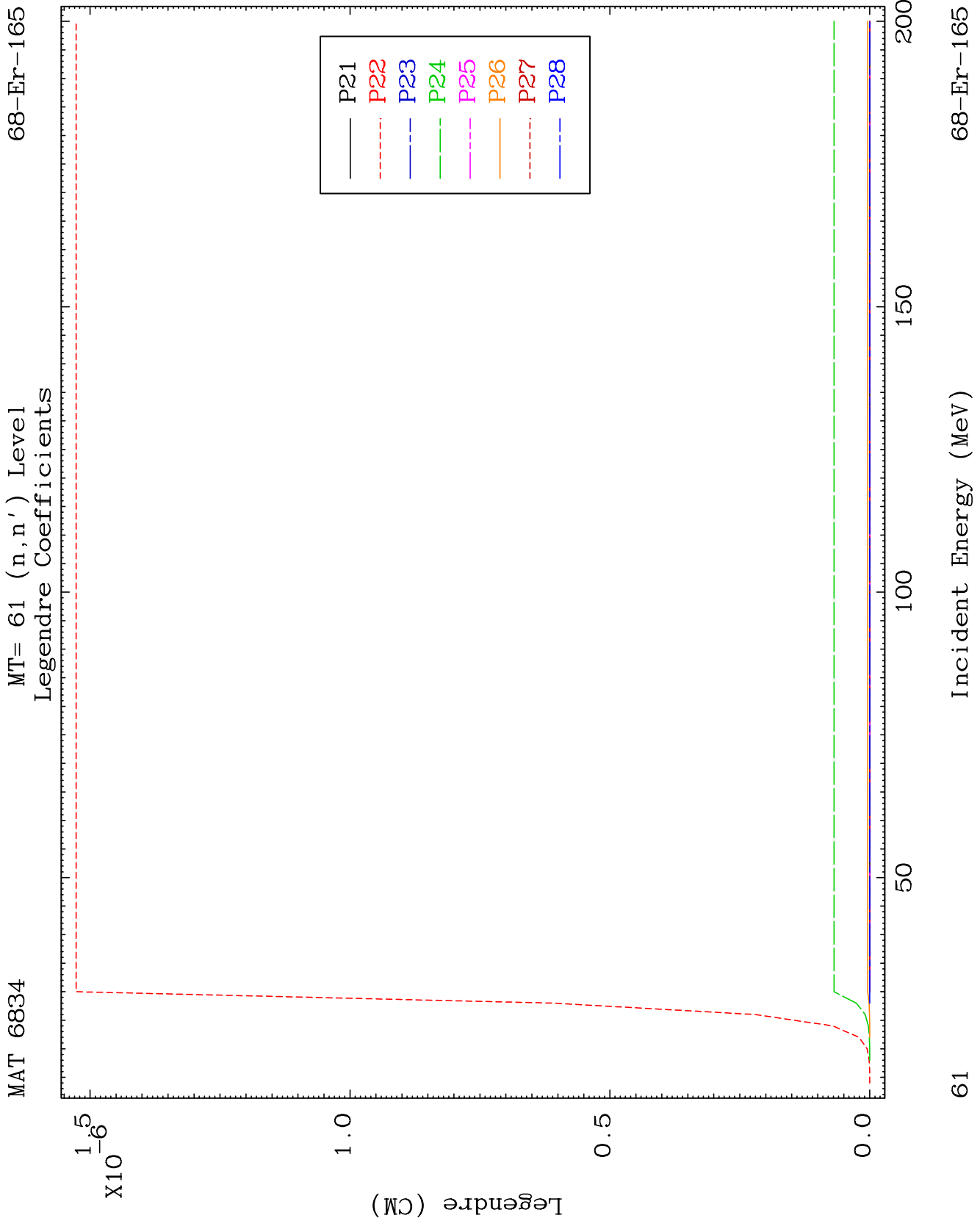
68-Er-165

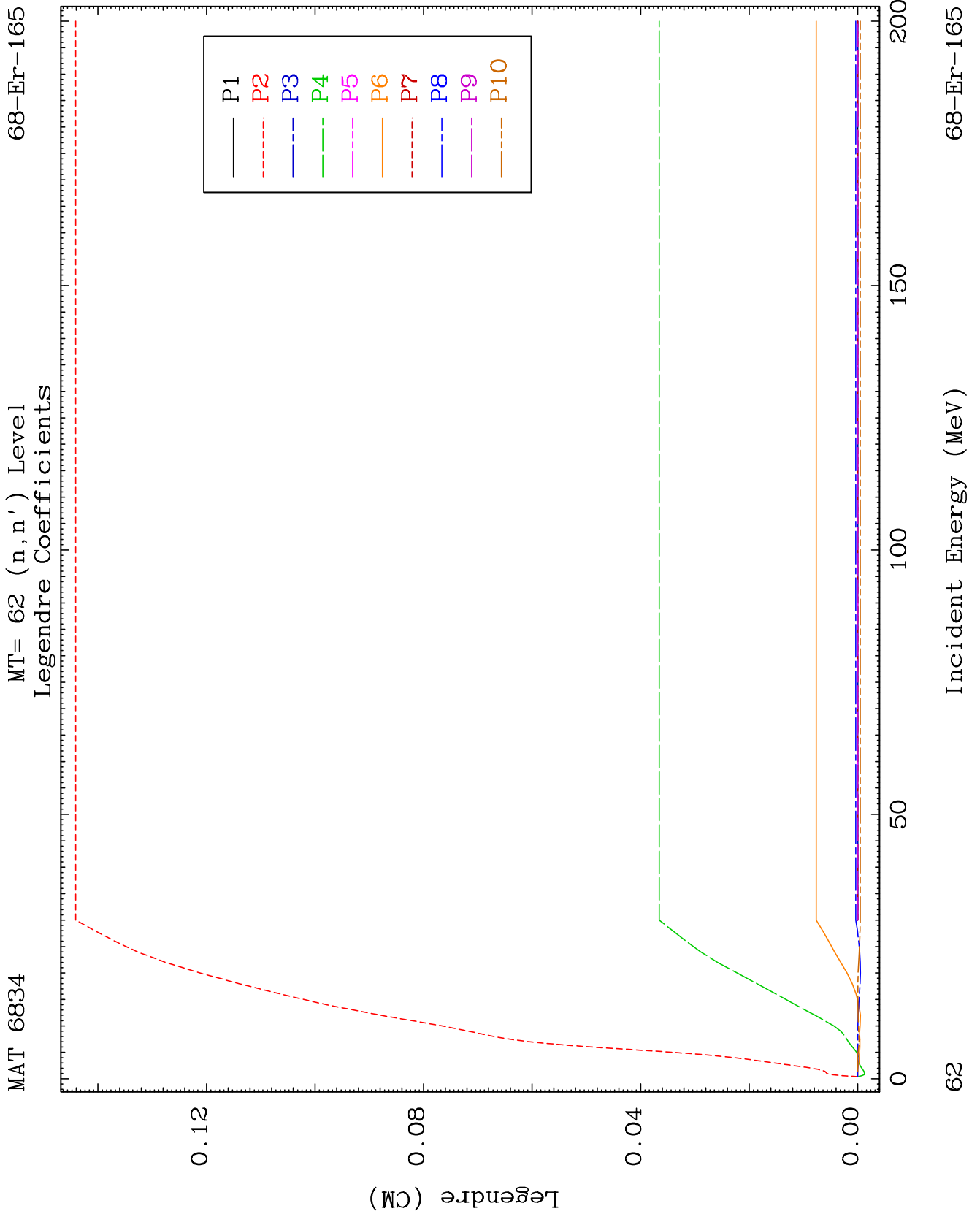


68-Er-165

Incident Energy (MeV)

59

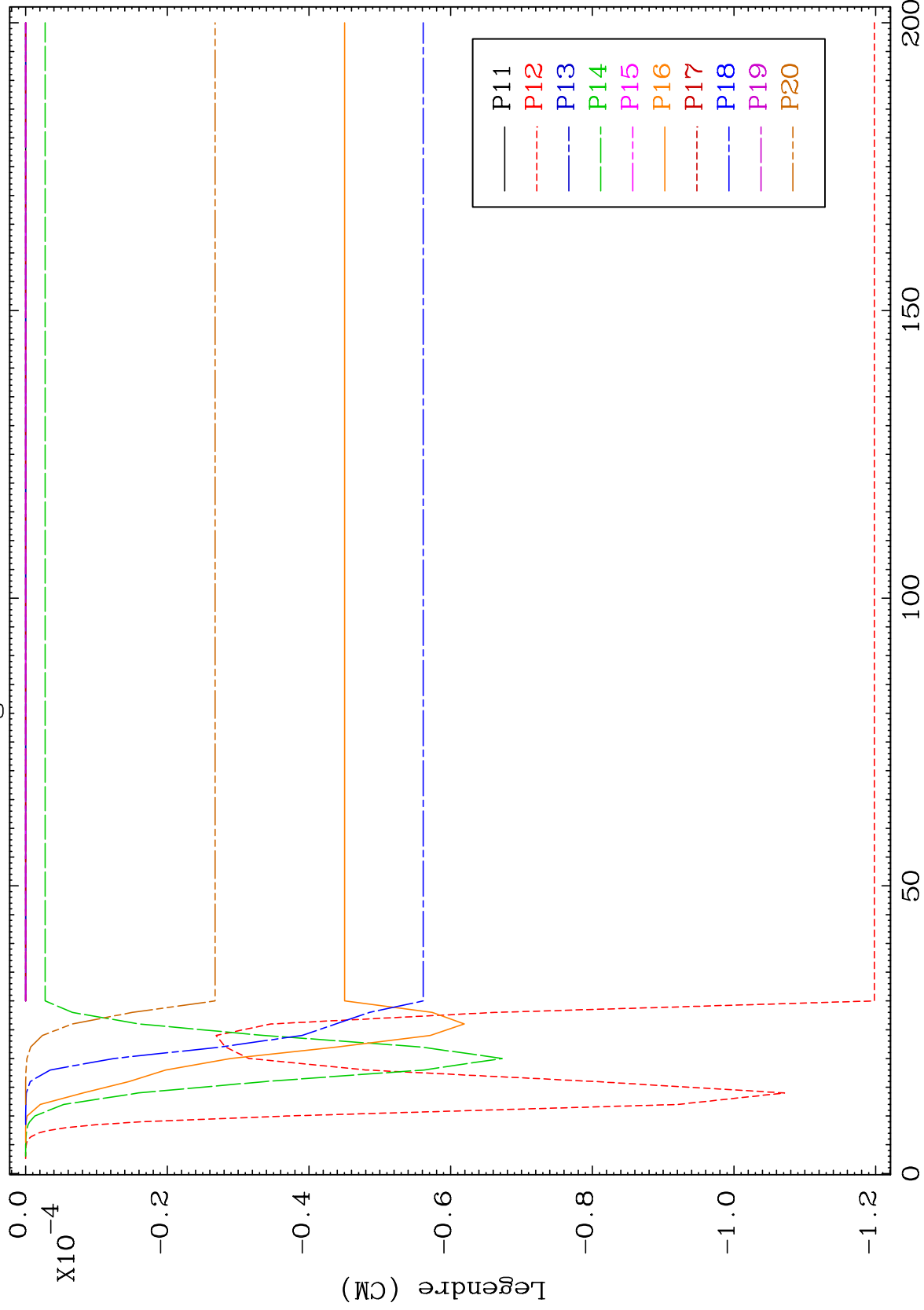




MAT 6834

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

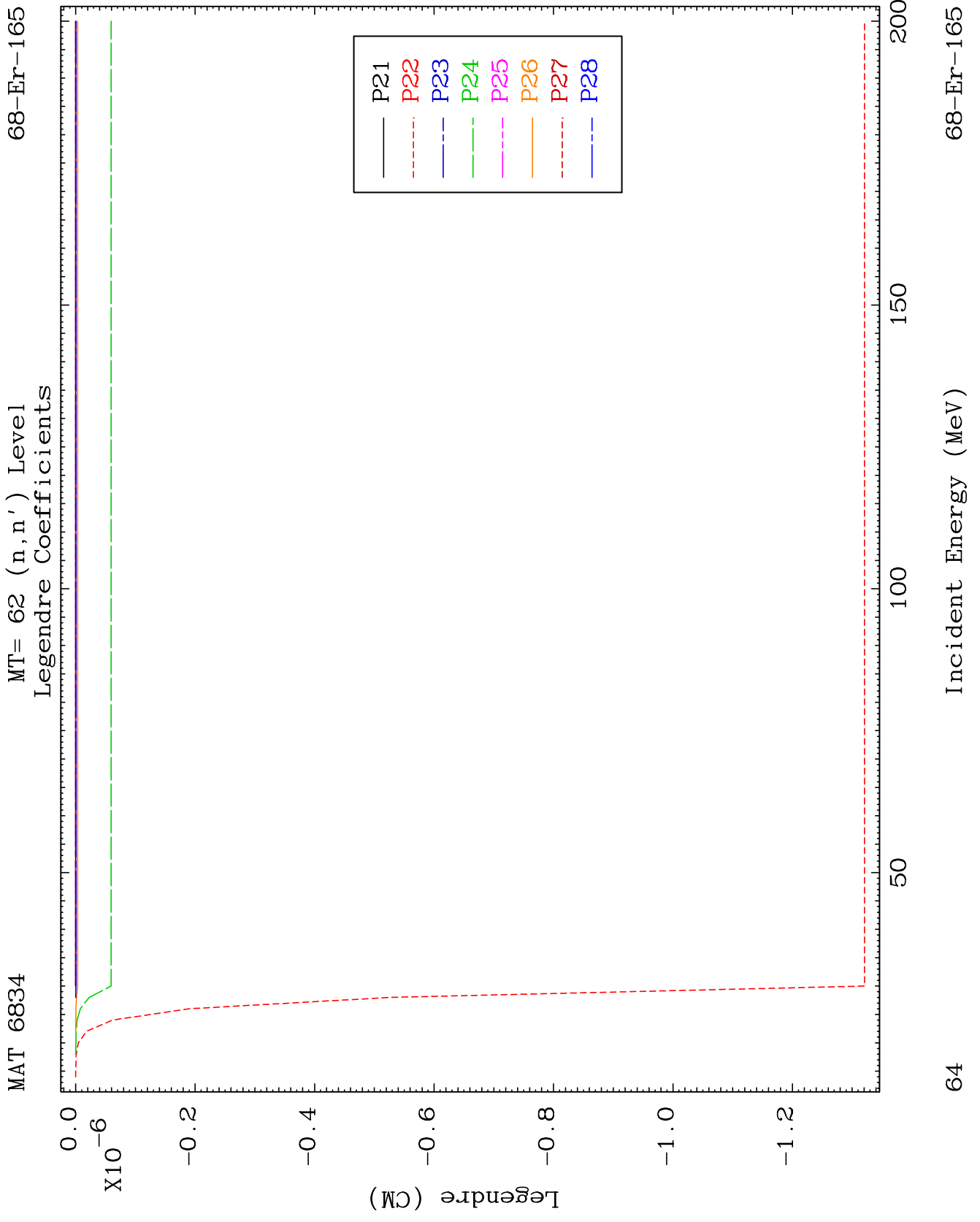
68-Er-165



68

Incident Energy (MeV)

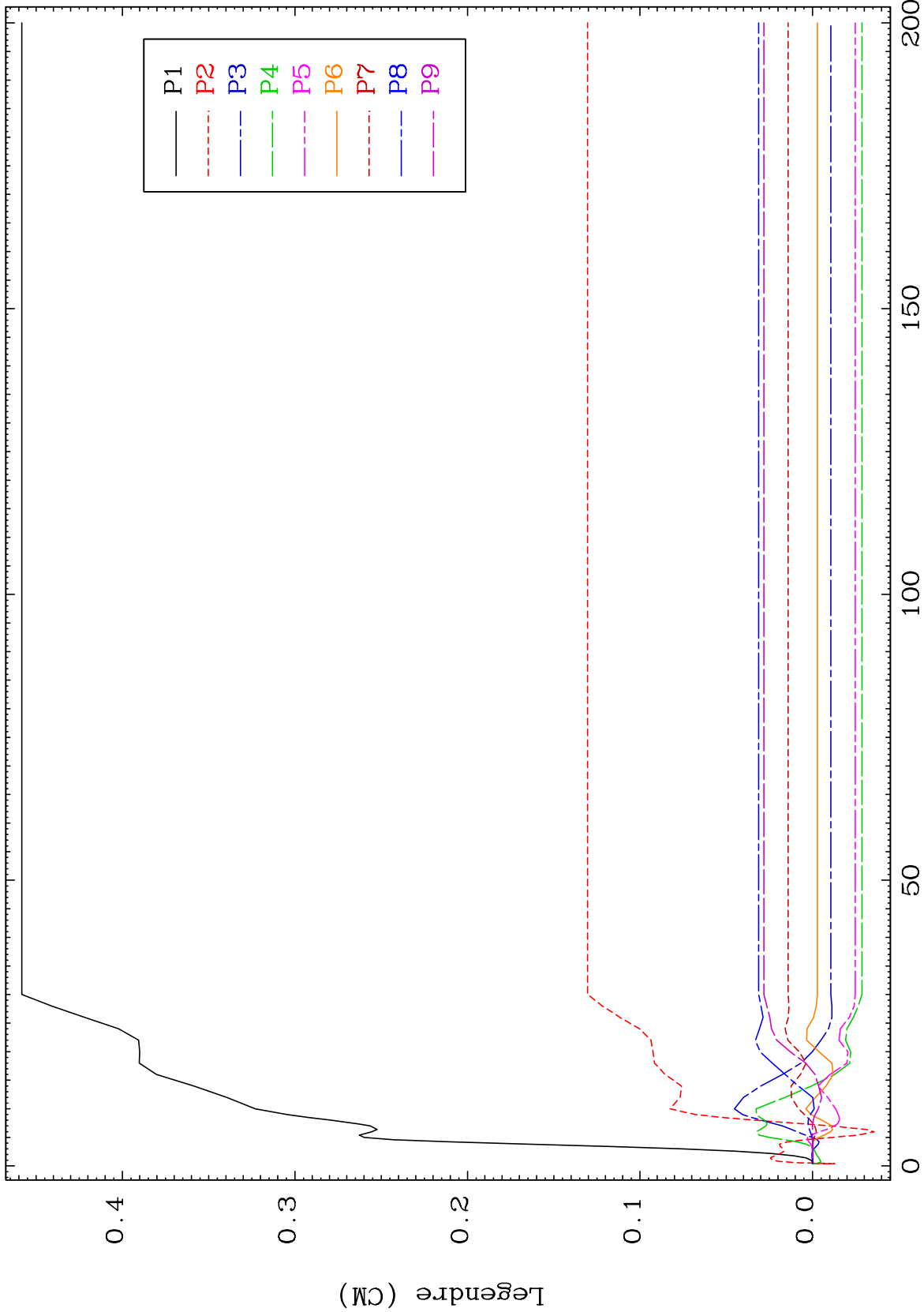
68-Er-165



MAT 6834

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

68-Er-165



65

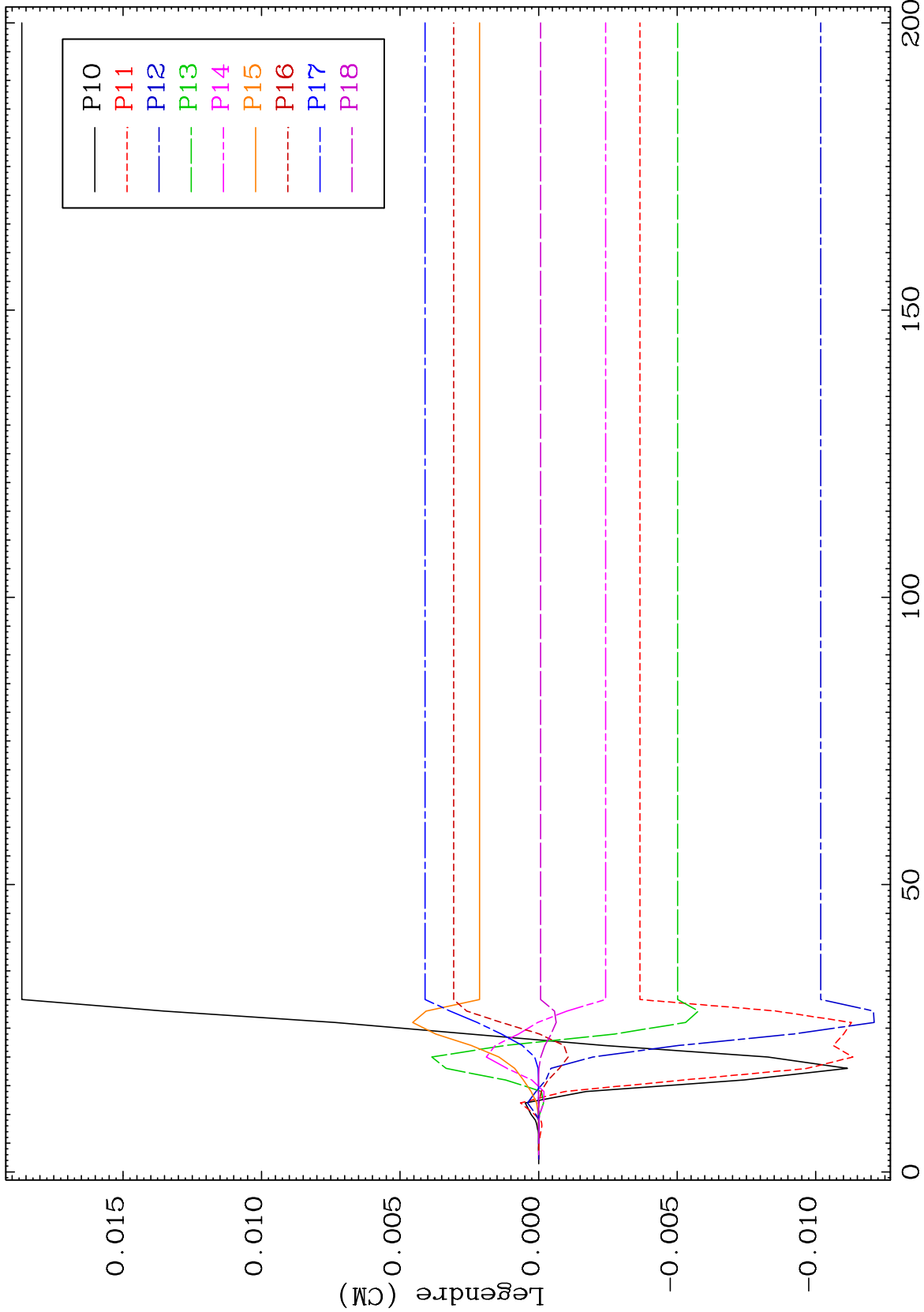
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



66

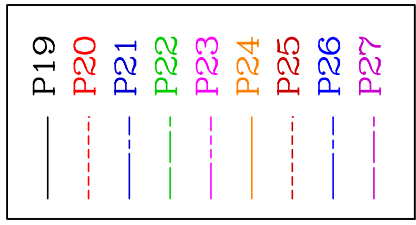
Incident Energy (MeV)

68-Er-165

MAT 6834

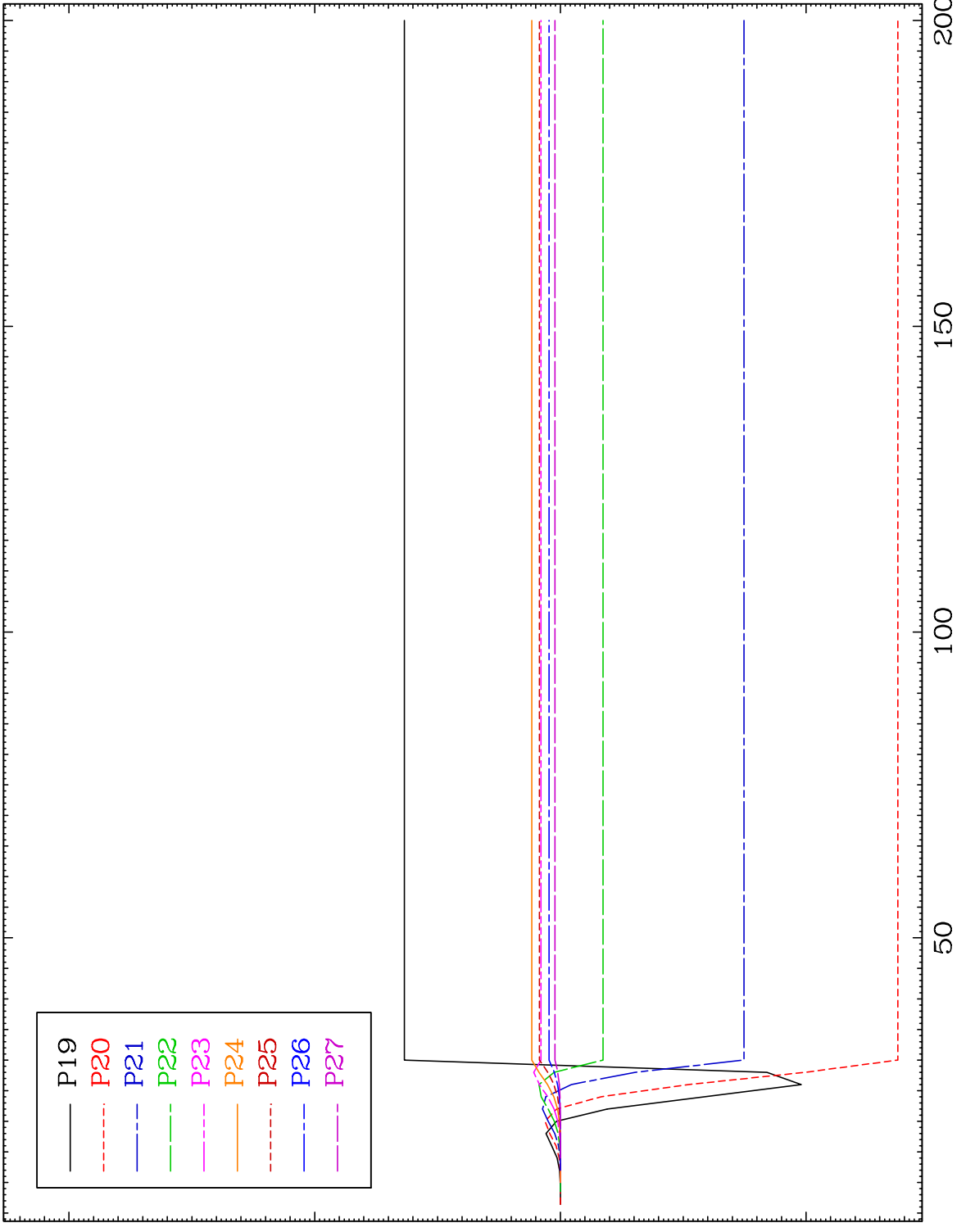
MT= 63 (n,n') Level
Legendre Coefficients

68-Er-165



$\times 10^{-4}$

Legendre (CM)



67

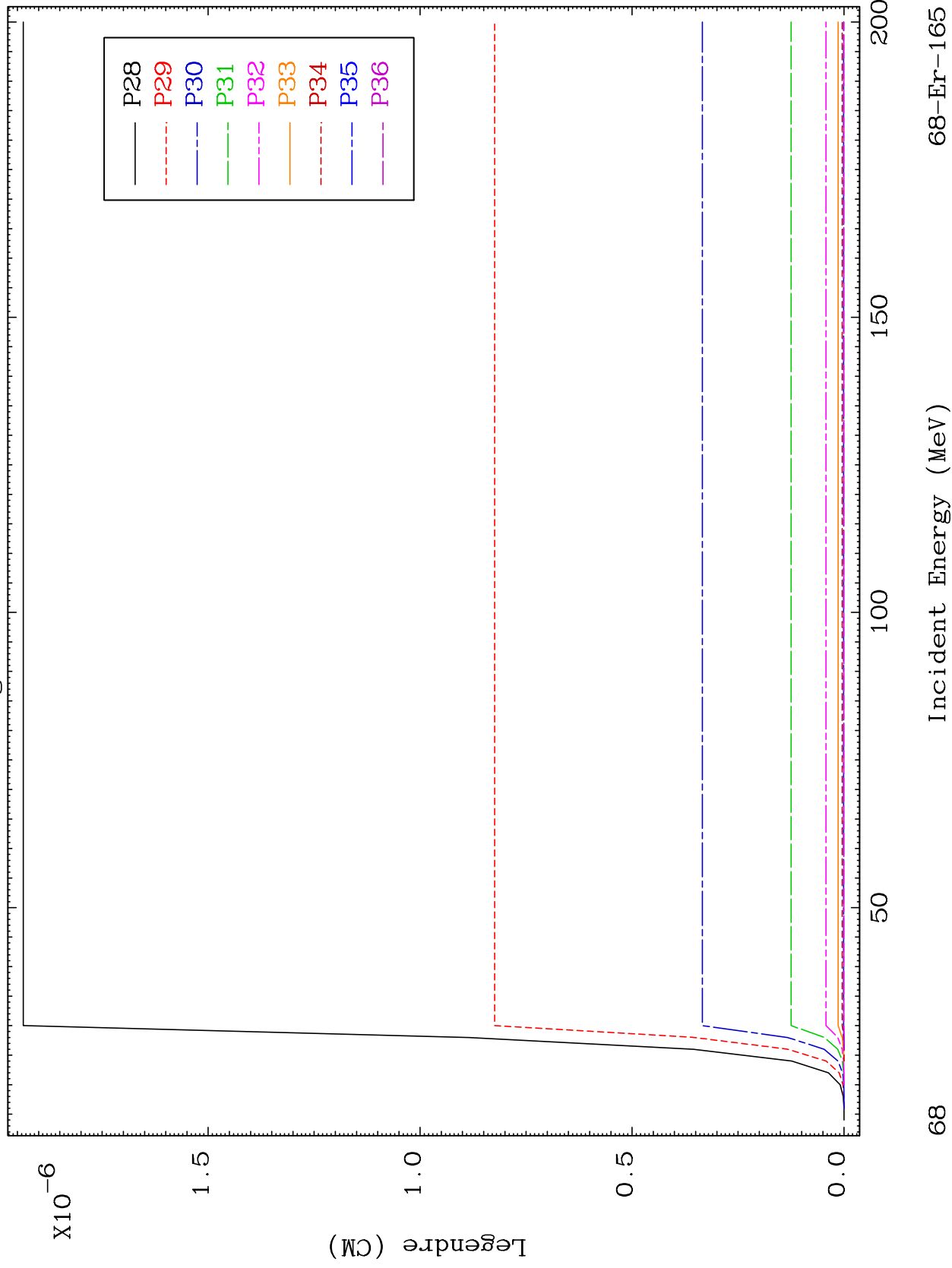
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



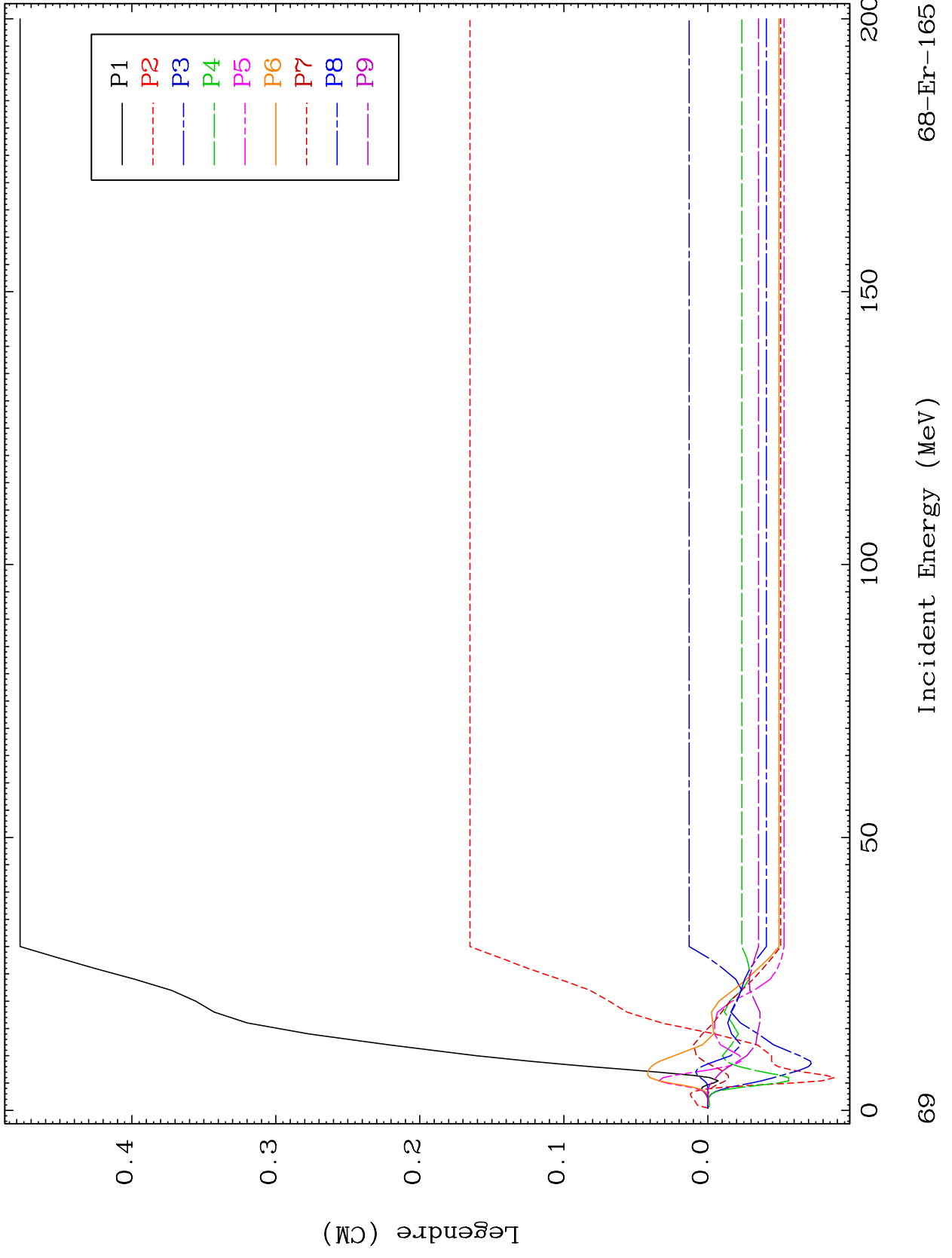
68

68-Er-165

MAT 6834

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

68-Er-165



69

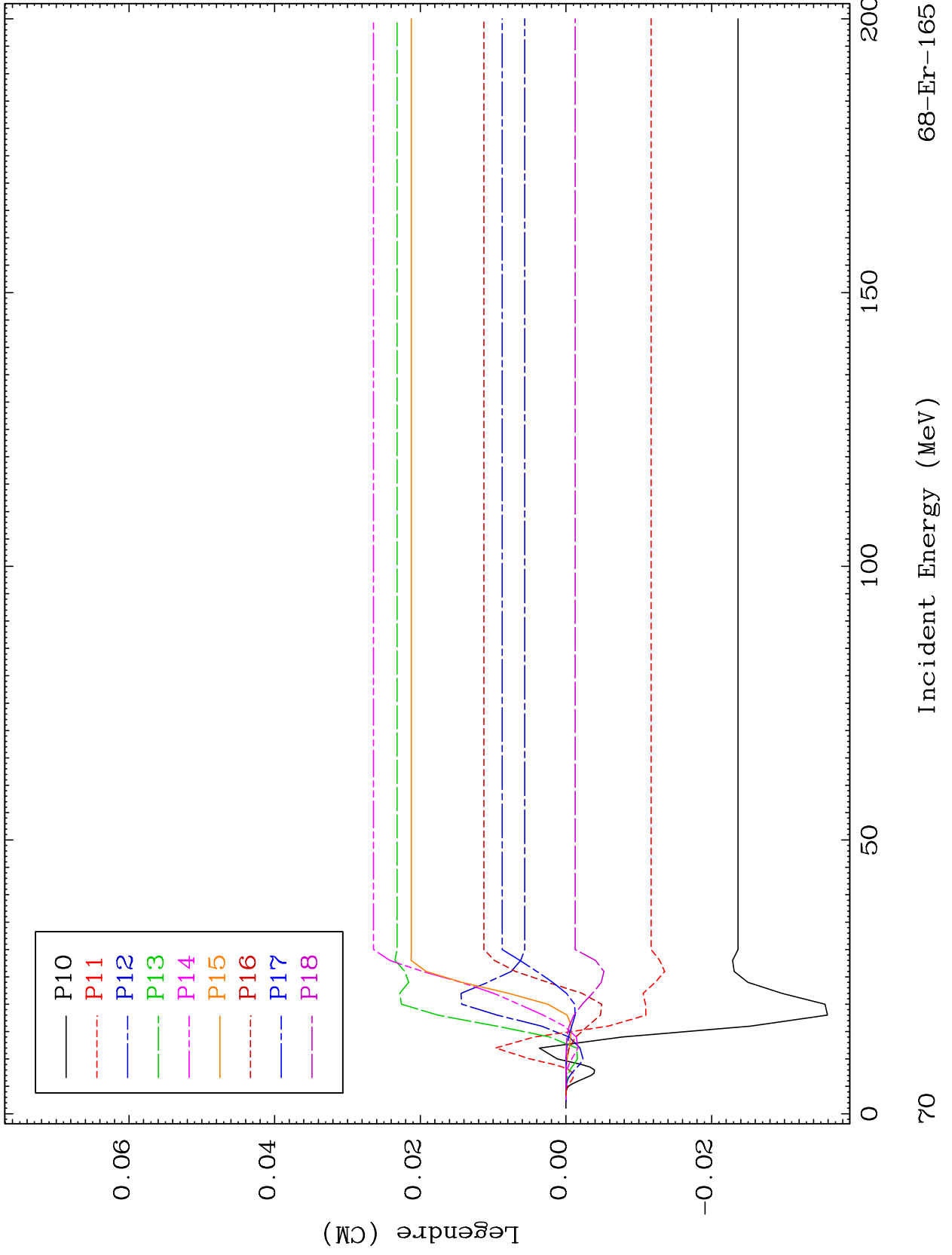
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



68-Er-165

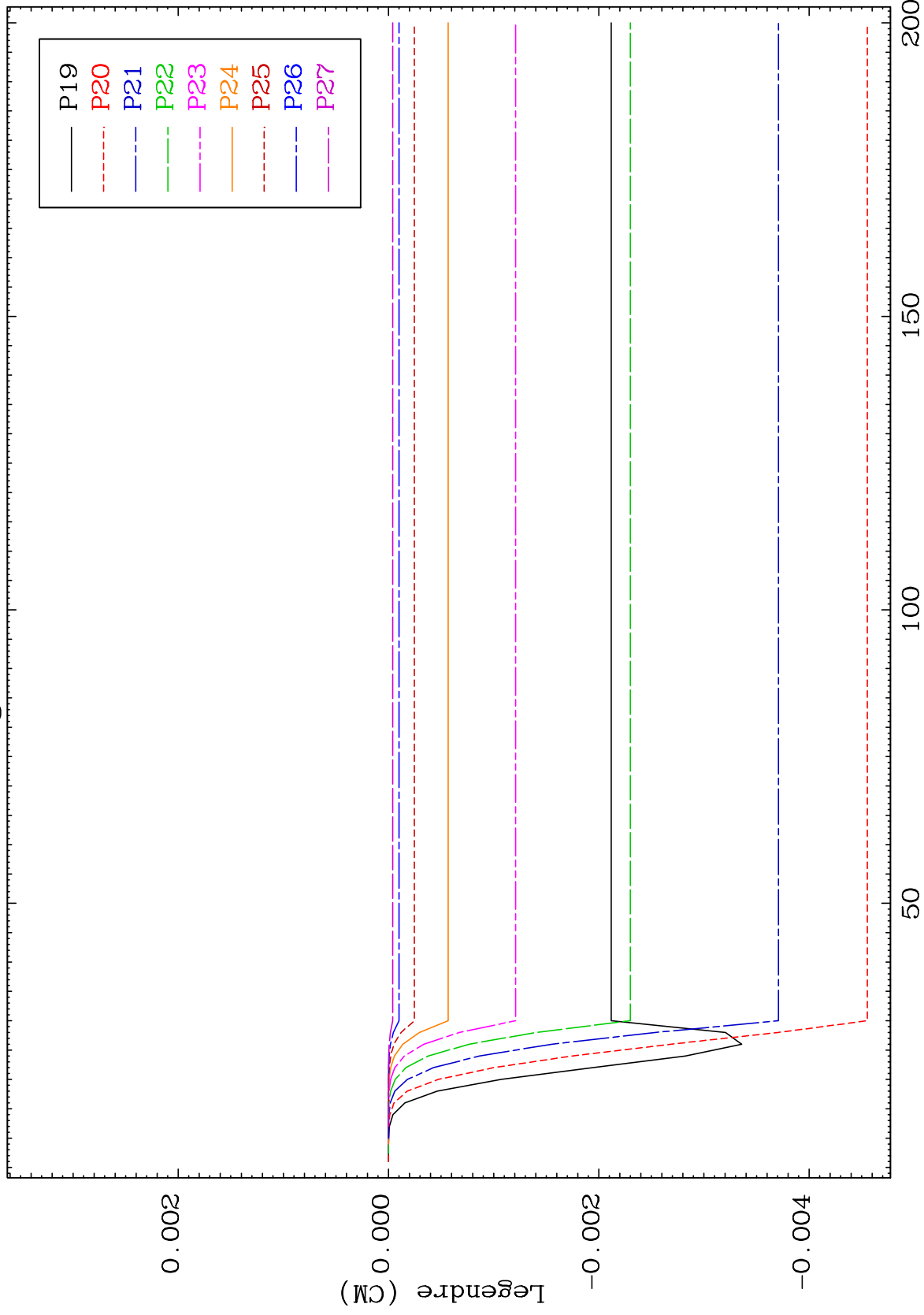
Incident Energy (MeV)

70

MAT 6834

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

68-Er-165



71

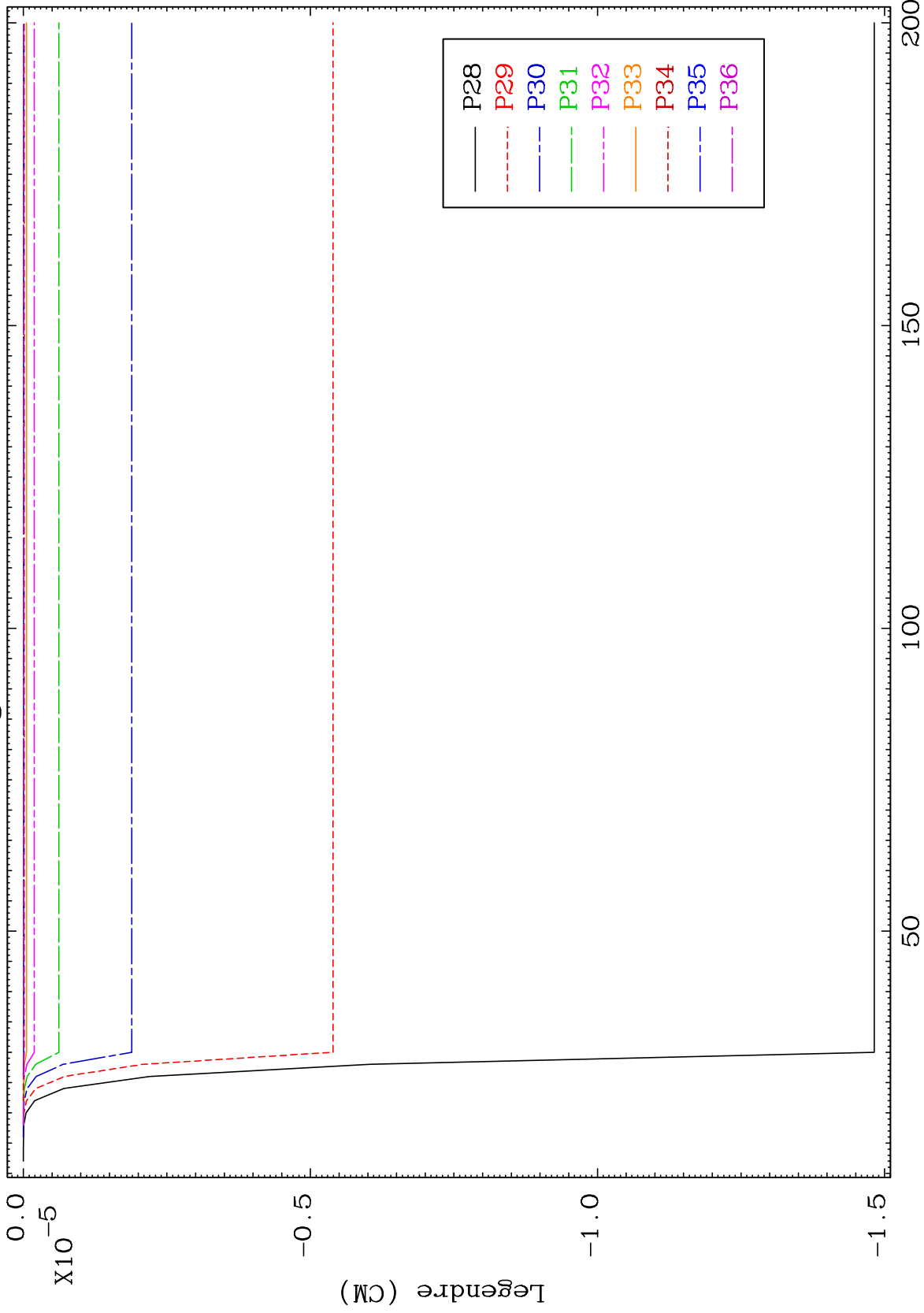
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



72

Incident Energy (MeV)

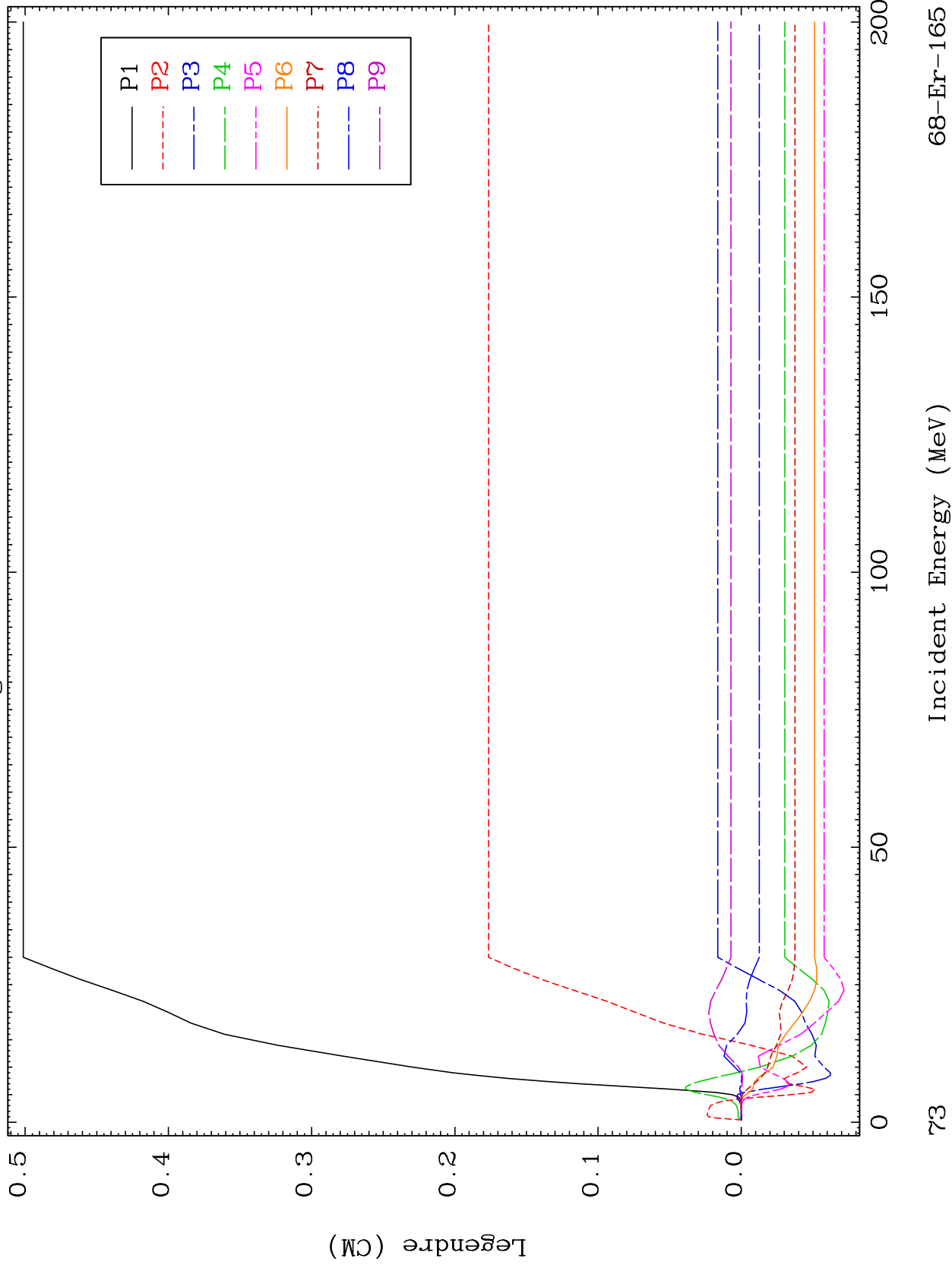
68-Er-165

MAT 6834

MT= 65 (n,n') Level

68-Er-165

Legendre Coefficients



73

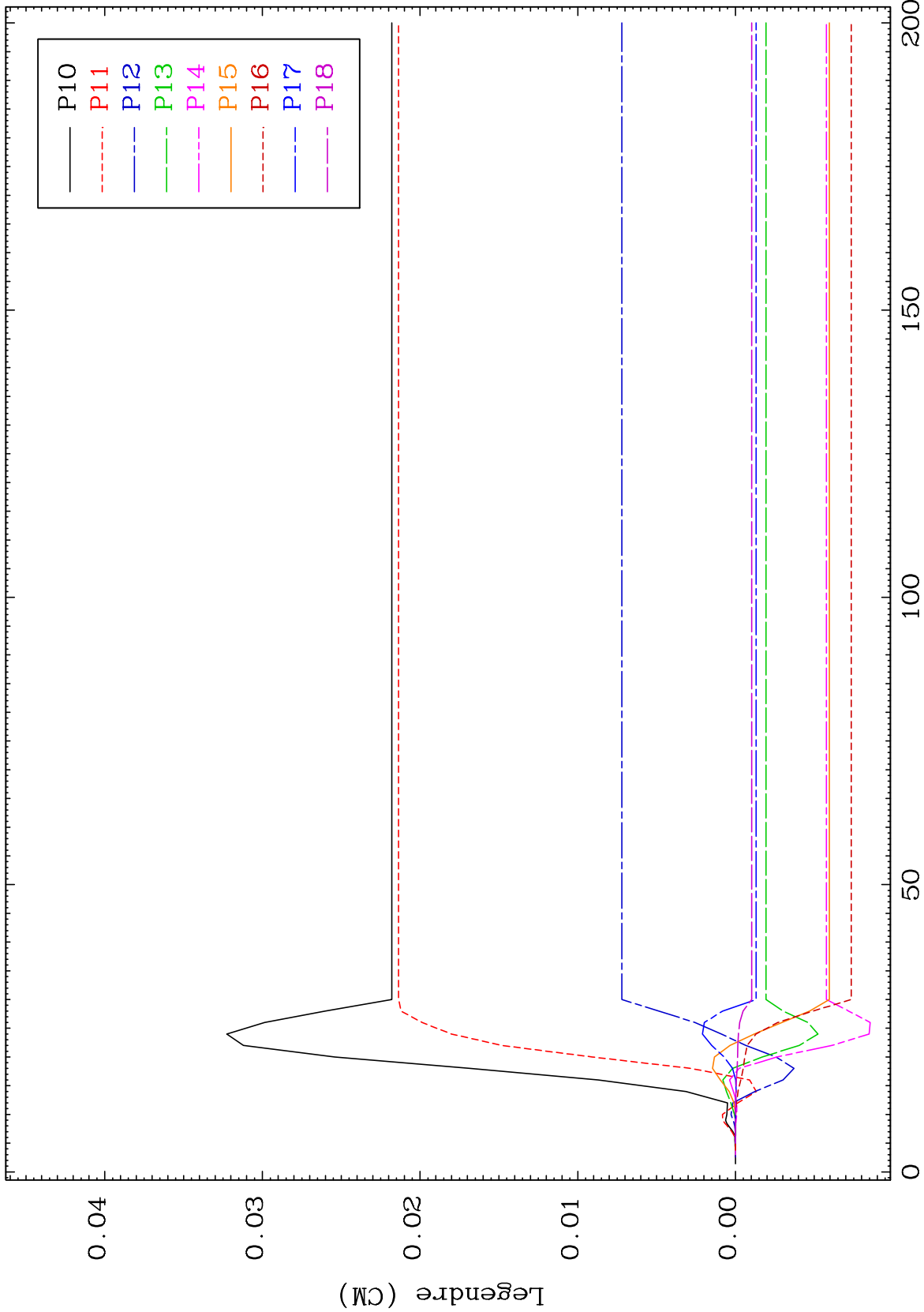
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



74

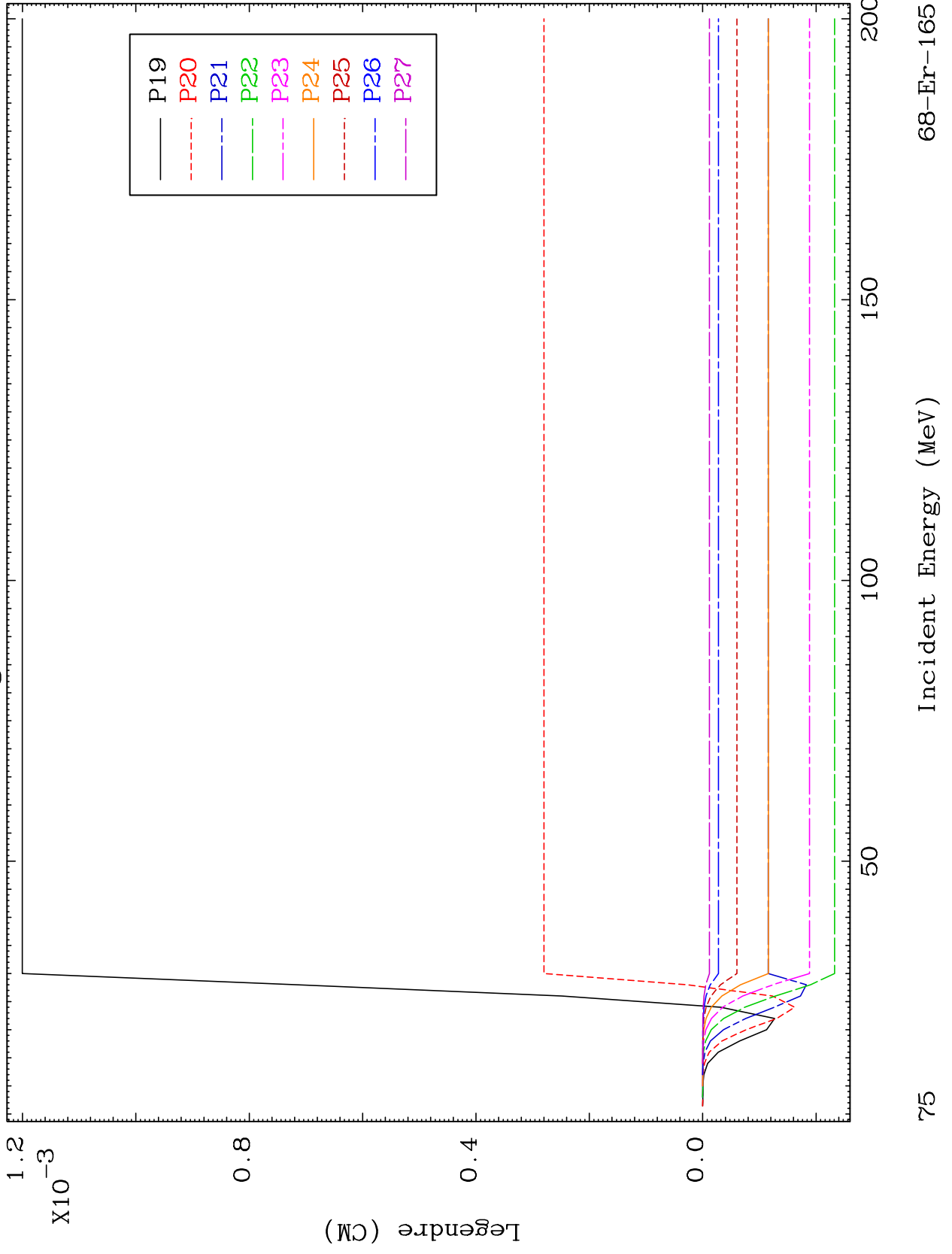
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



75

Incident Energy (MeV)

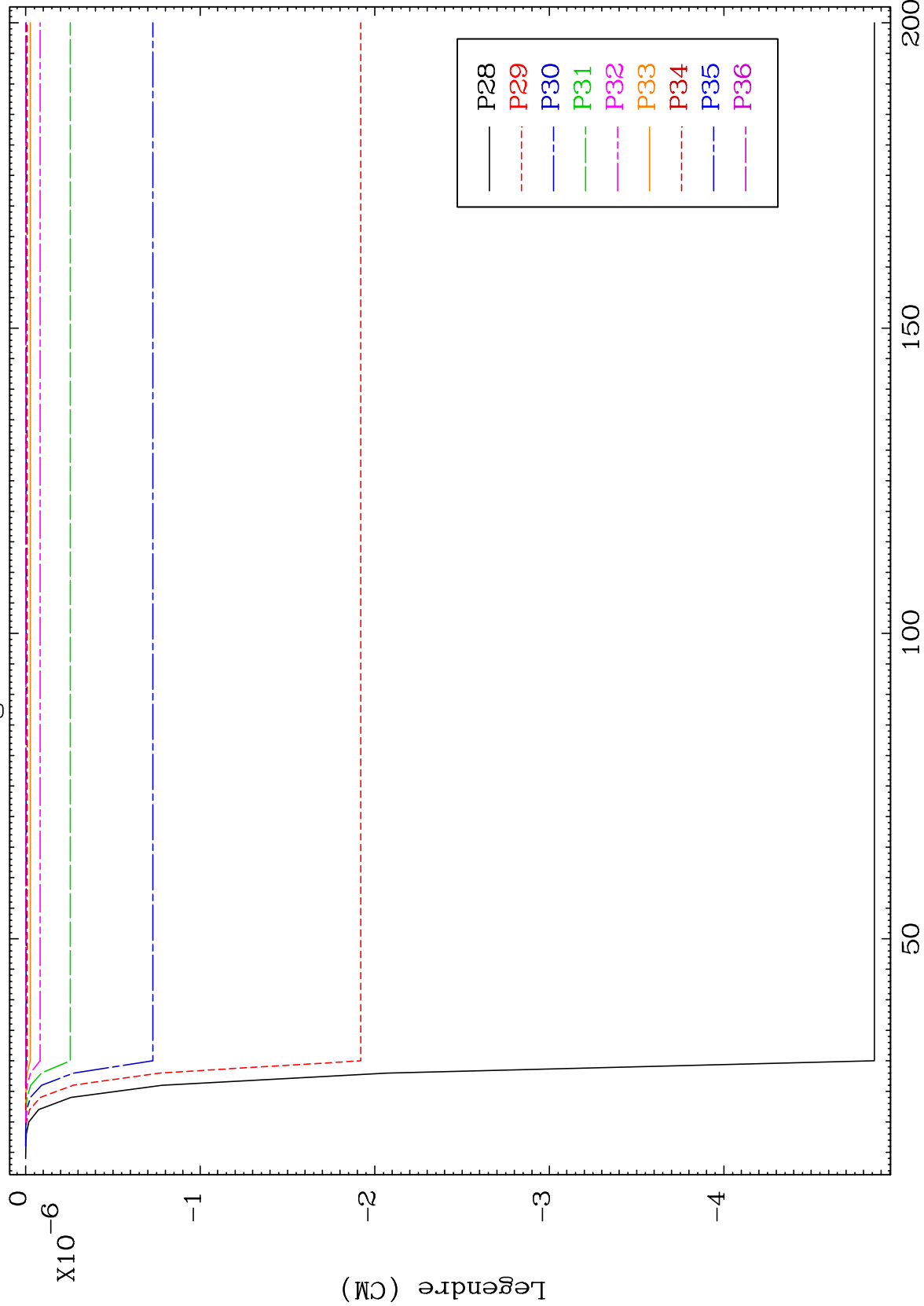
68-Er-165

MAT 6834

MT= 65 (n,n') Level

68-Er-165

Legendre Coefficients



76

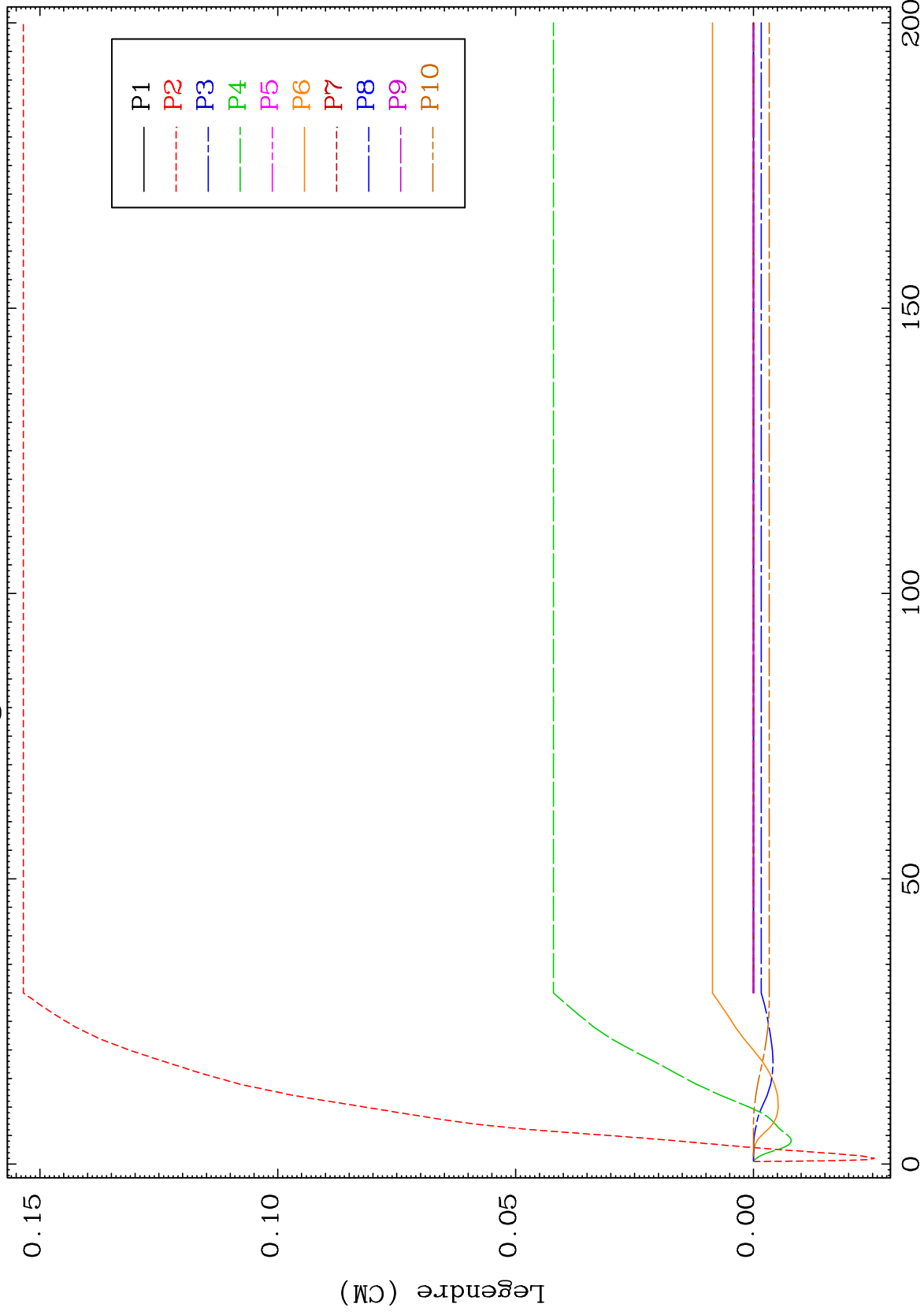
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



77

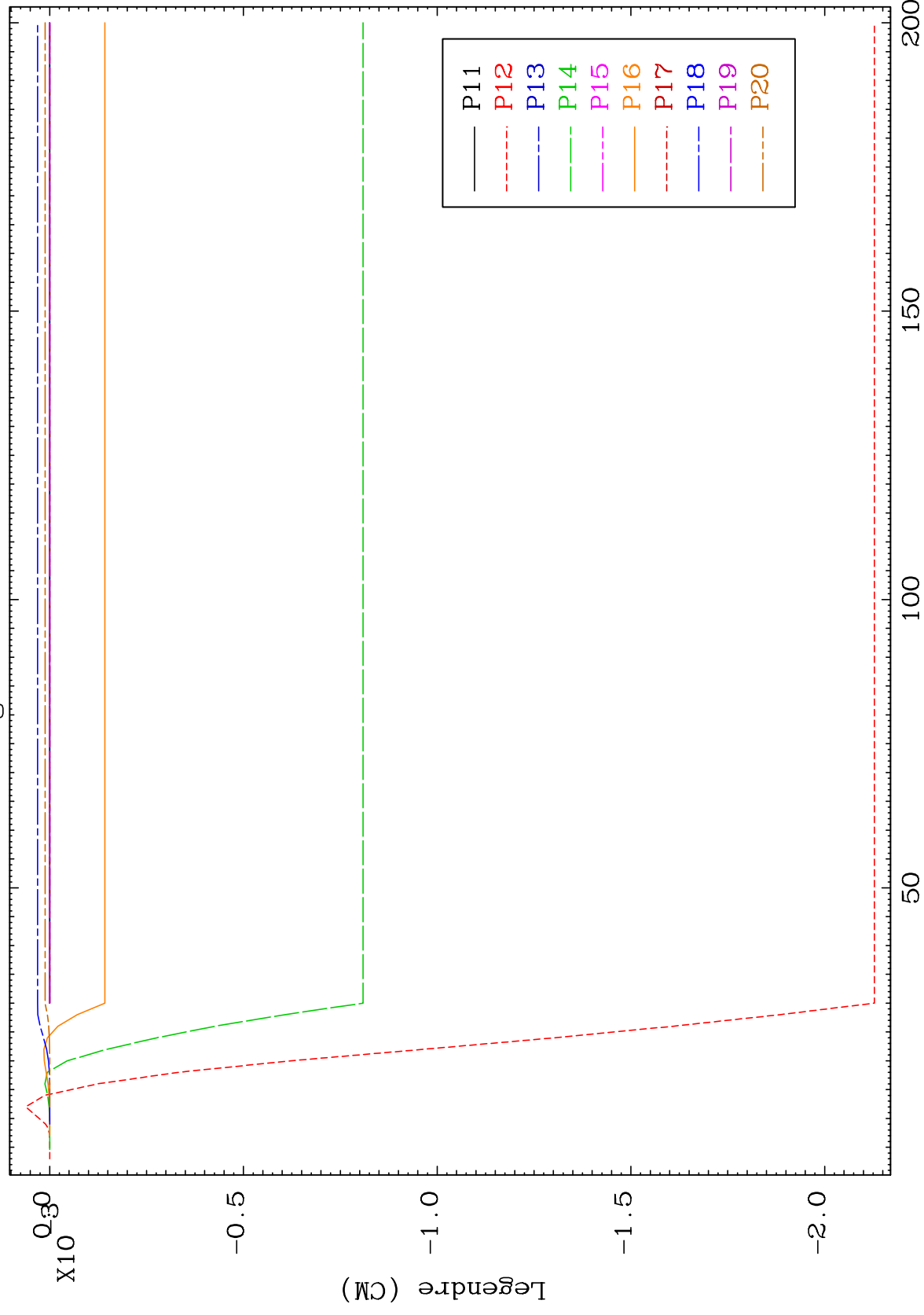
Incident Energy (MeV)

68-Er-165

MAT 6834

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

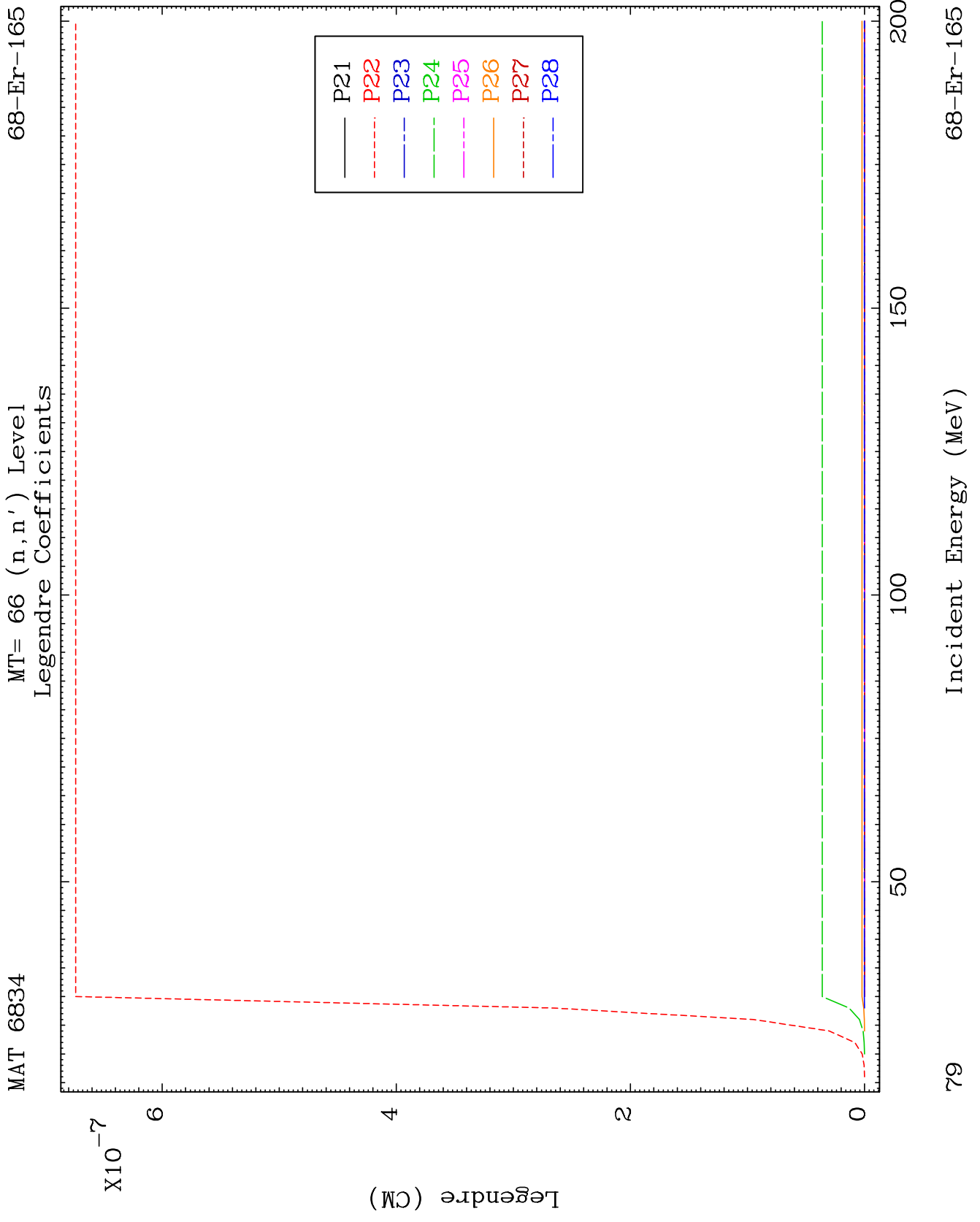
68-Er-165



78

Incident Energy (MeV)

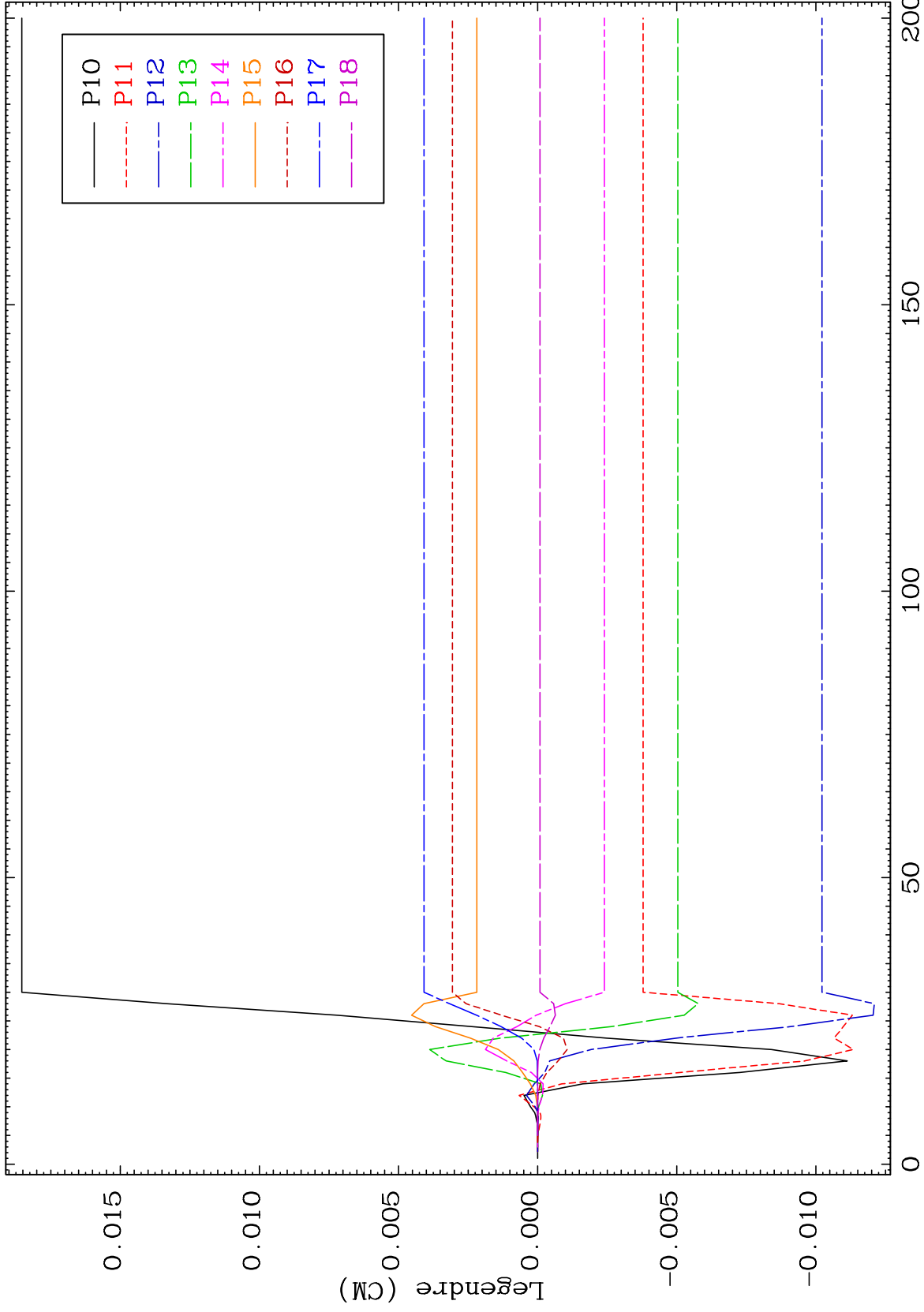
68-Er-165



MAT 6834

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

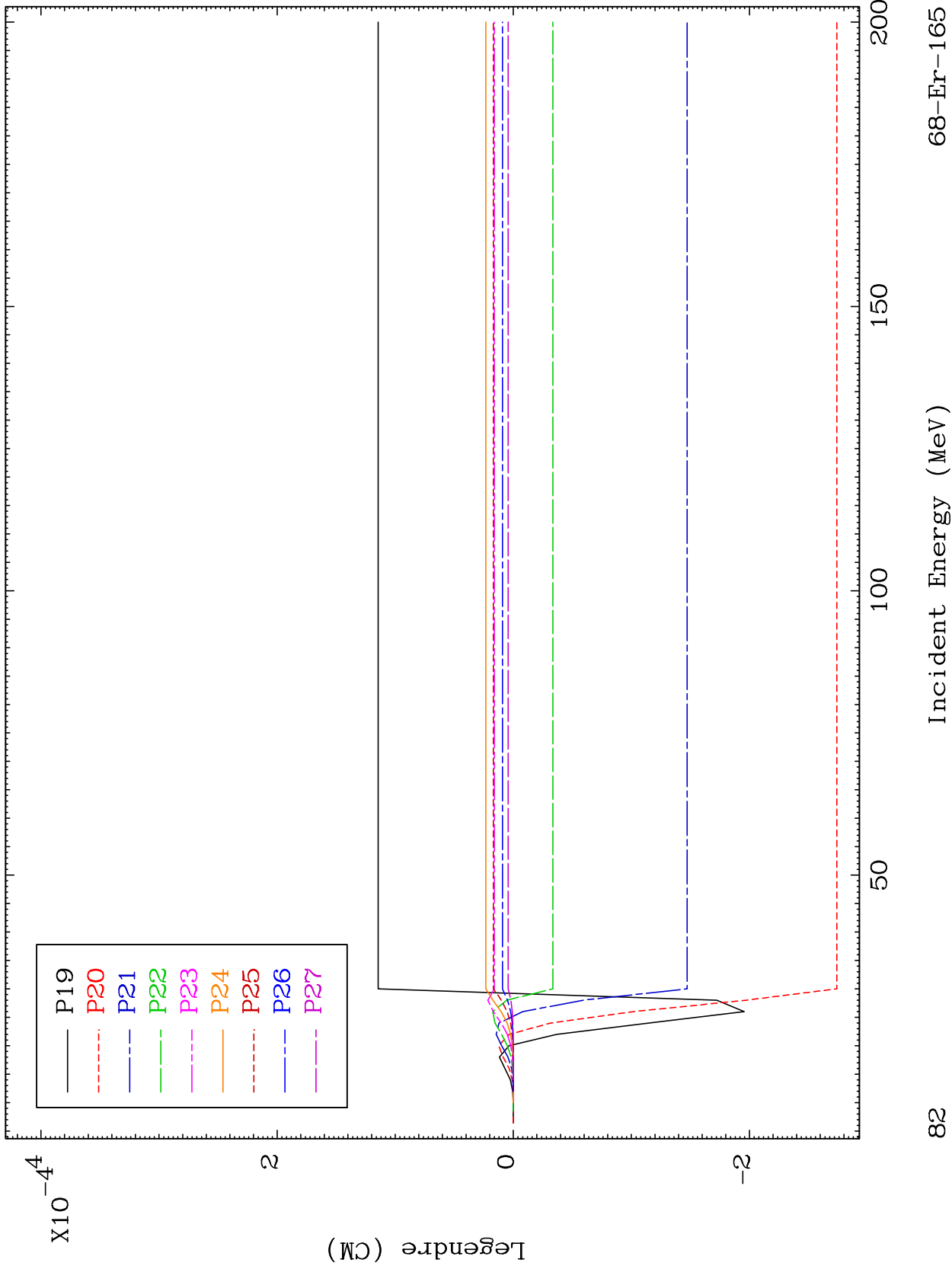
68-Er-165



81

Incident Energy (MeV)

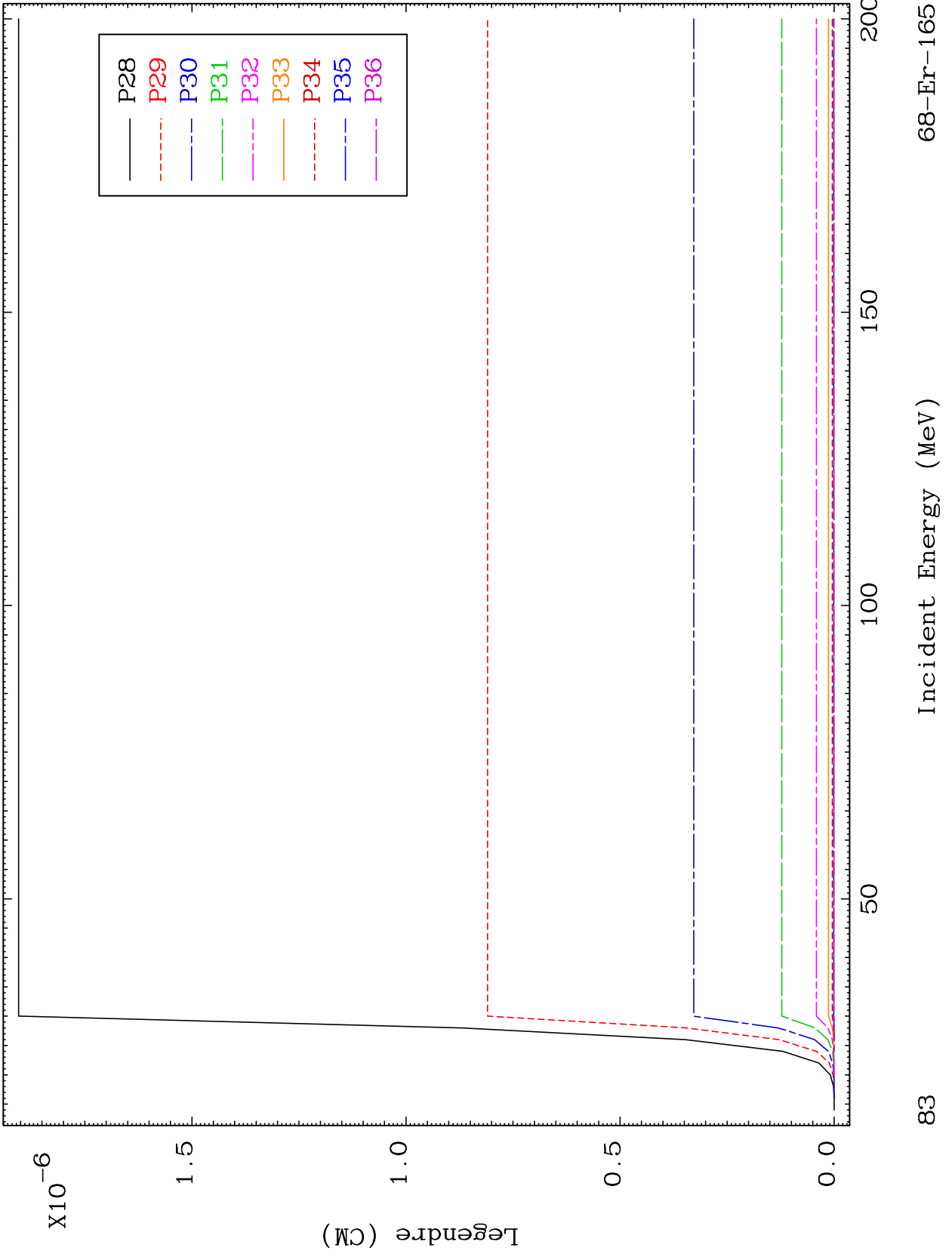
68-Er-165



MAT 6834

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

68-Er-165



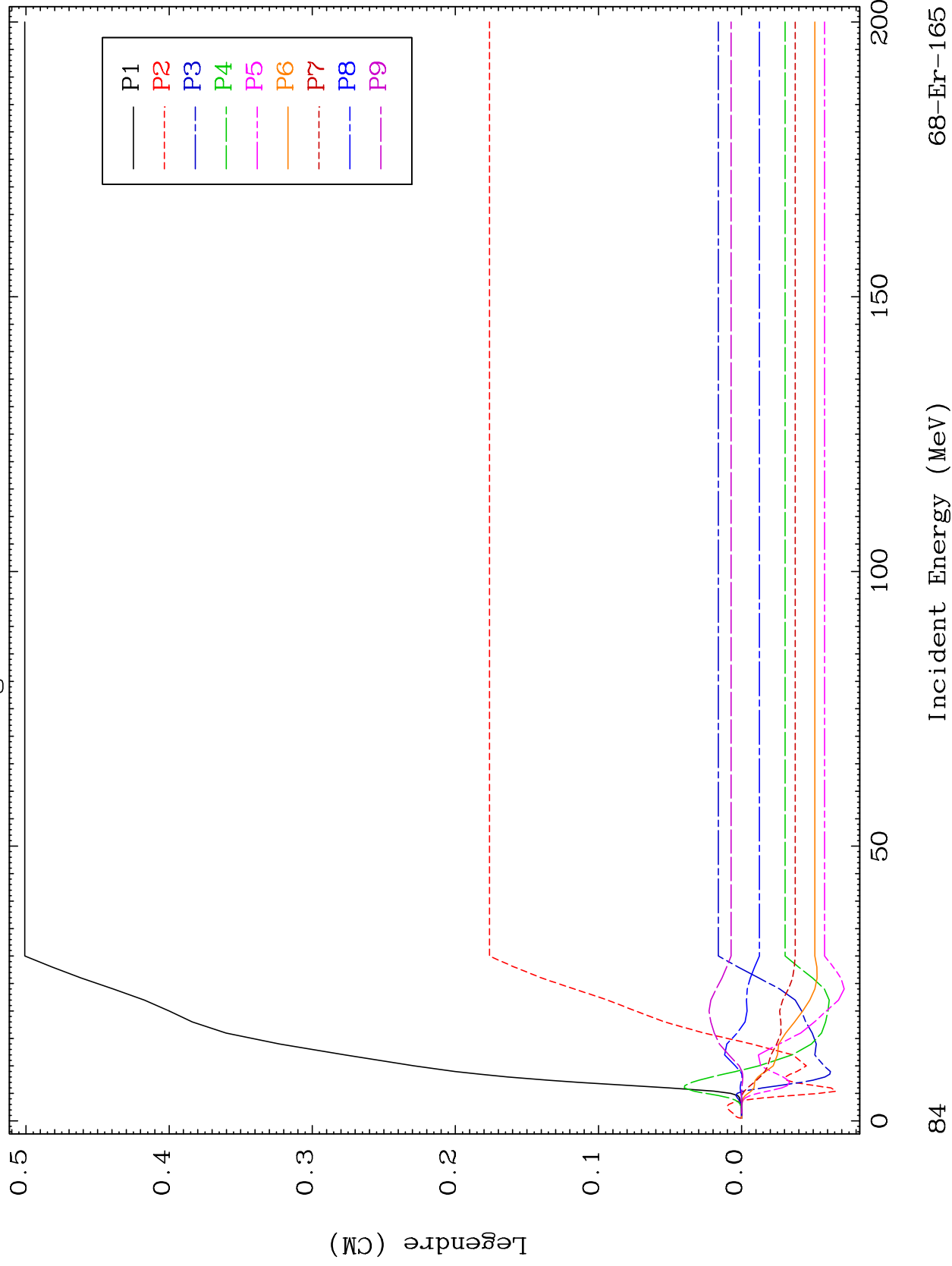
83

MAT 6834

MT= 68 (n,n') Level

68-Er-165

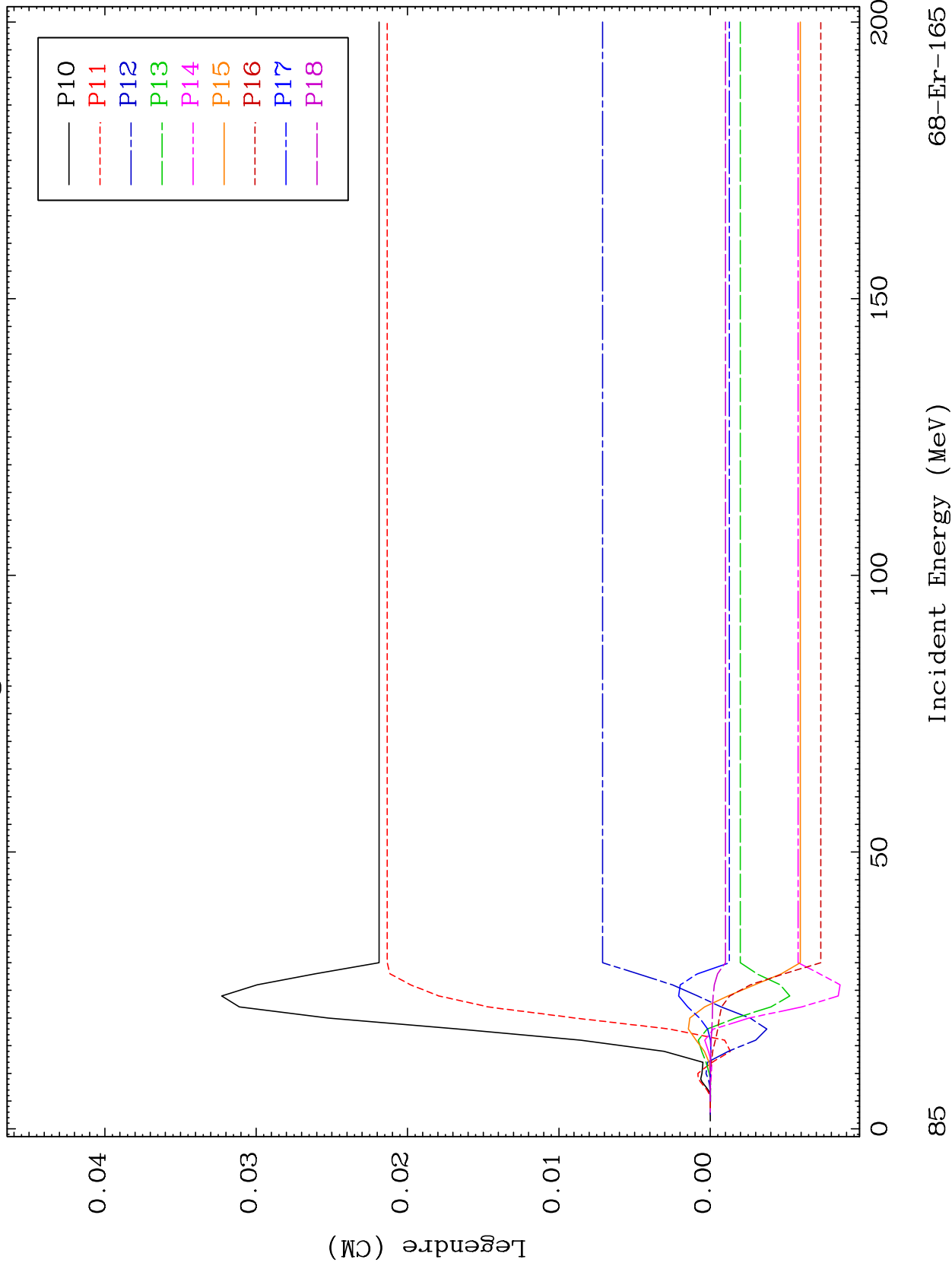
Legendre Coefficients



MAT 6834

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

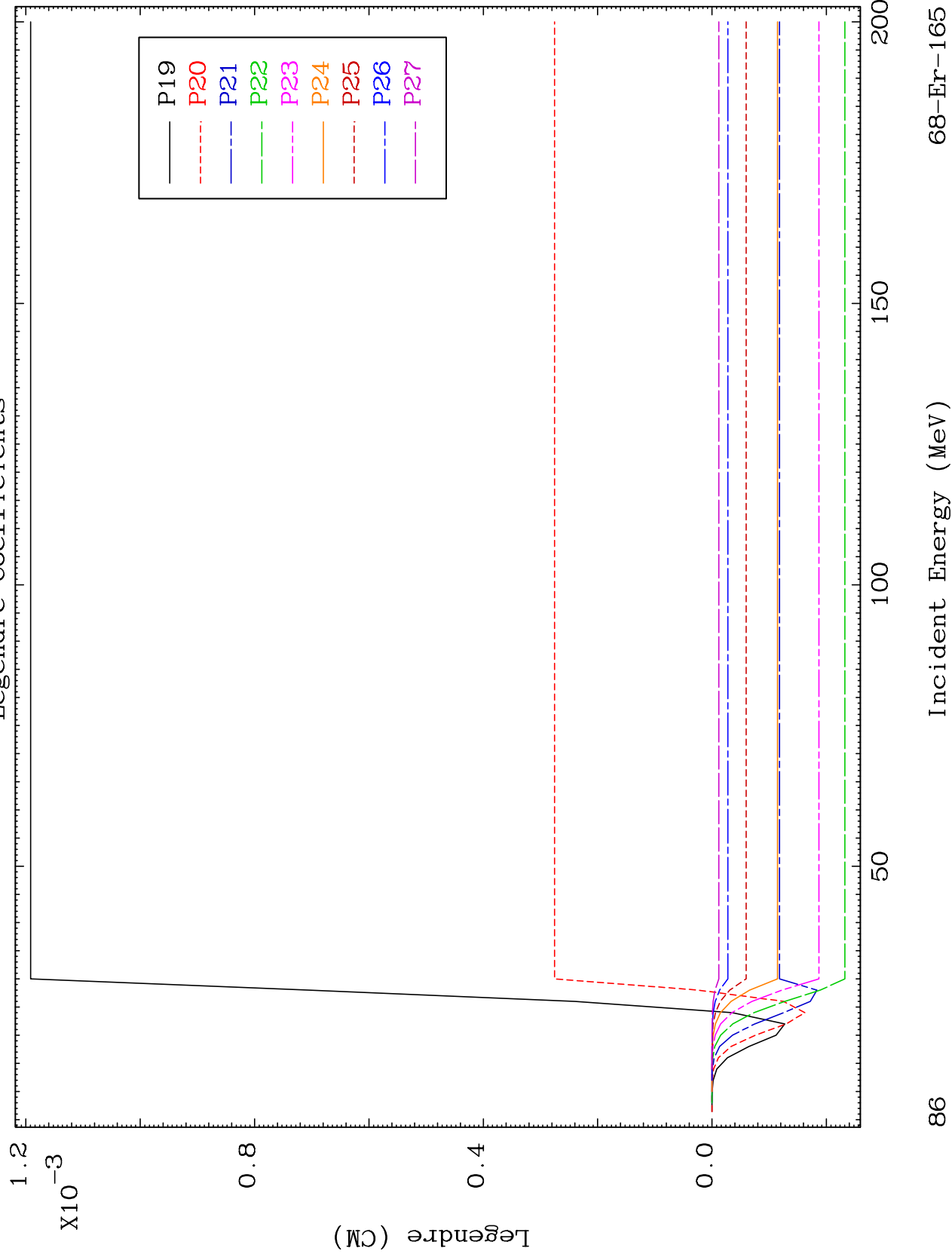
68-Er-165



68-Er-165

Incident Energy (MeV)

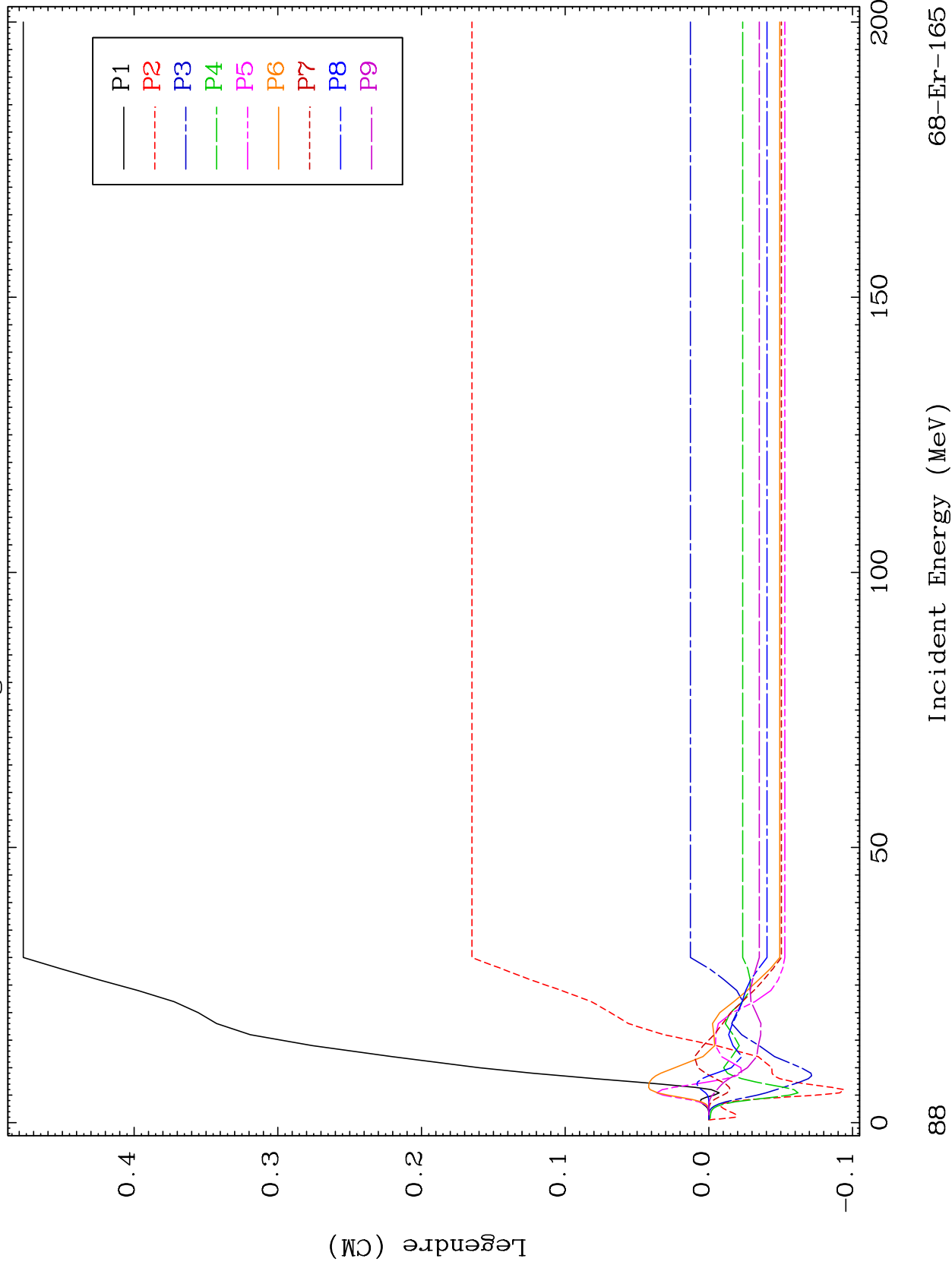
85



MAT 6834

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

68-Er-165



68-Er-165

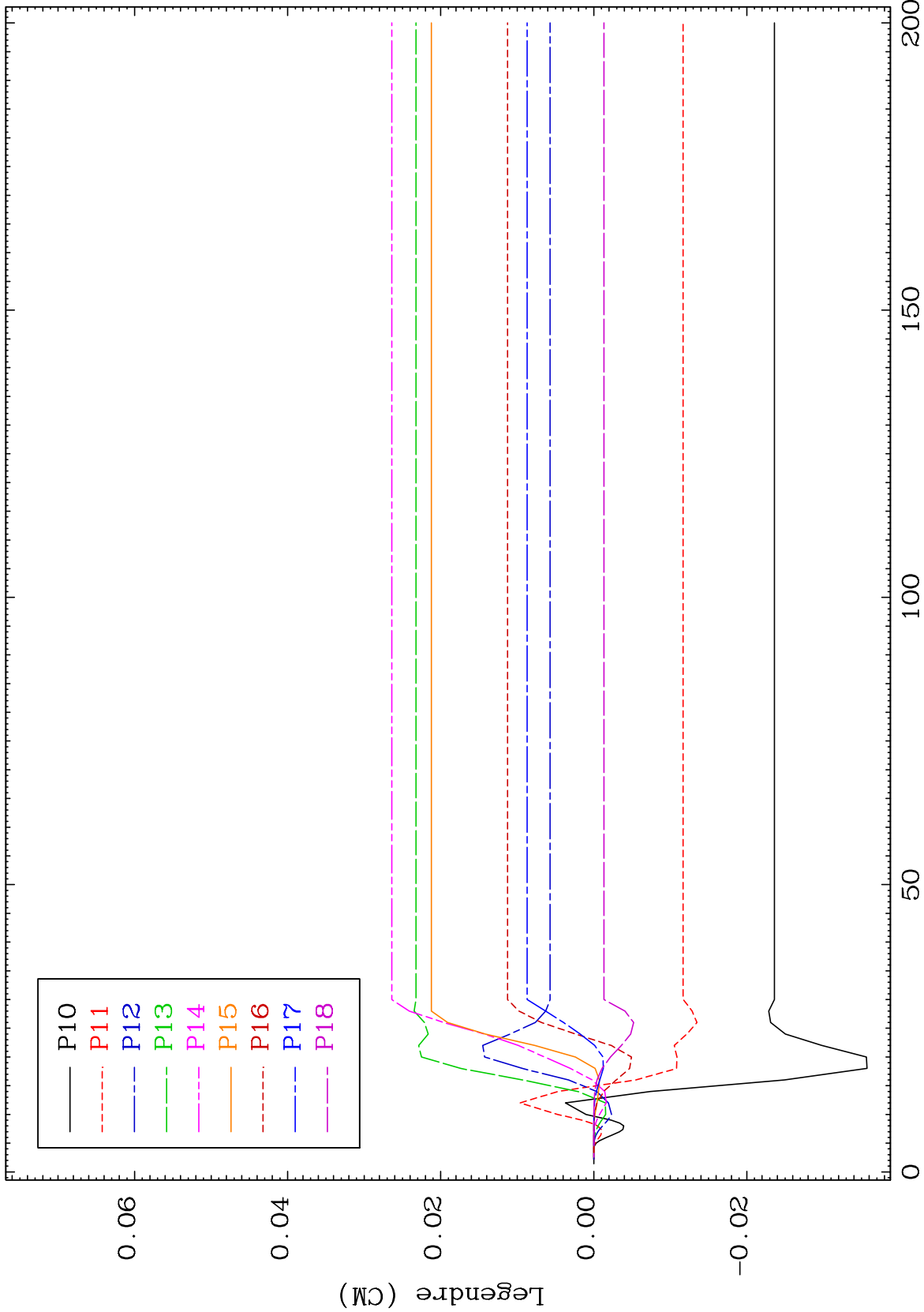
Incident Energy (MeV)

88

MAT 6834

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

68-Er-165



89

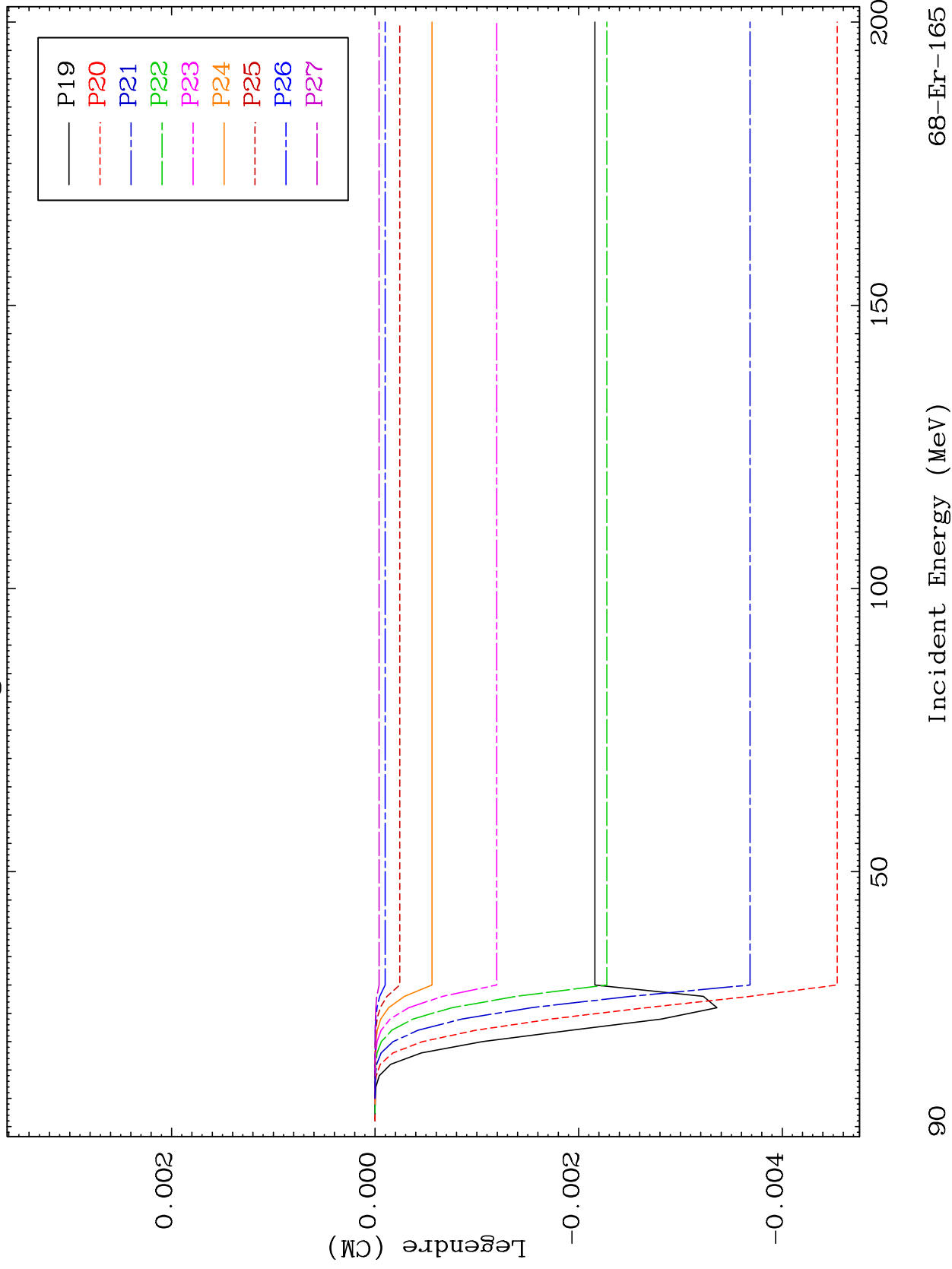
Incident Energy (MeV)

68-Er-165

MAT 6834

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

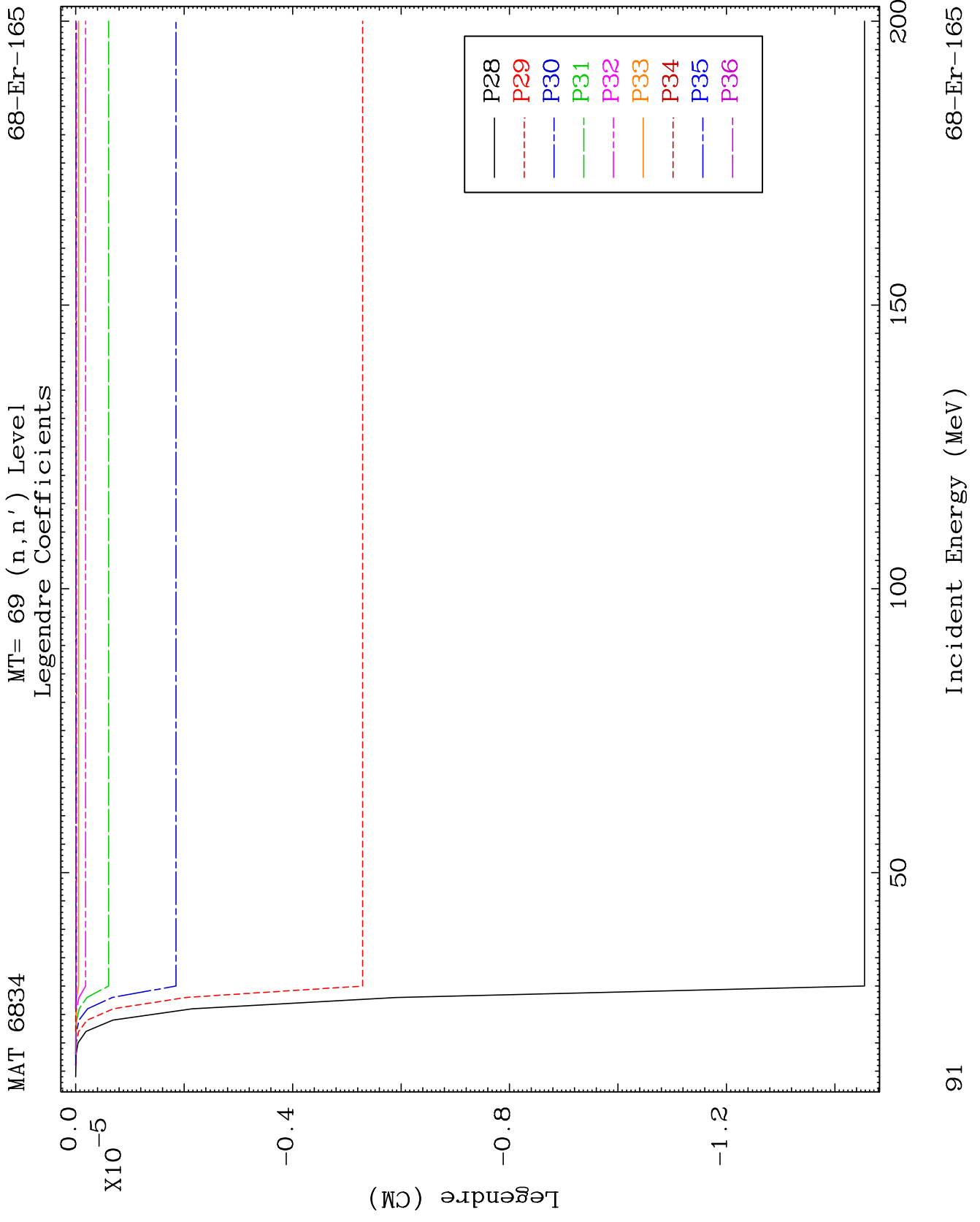
68-Er-165



90

Incident Energy (MeV)

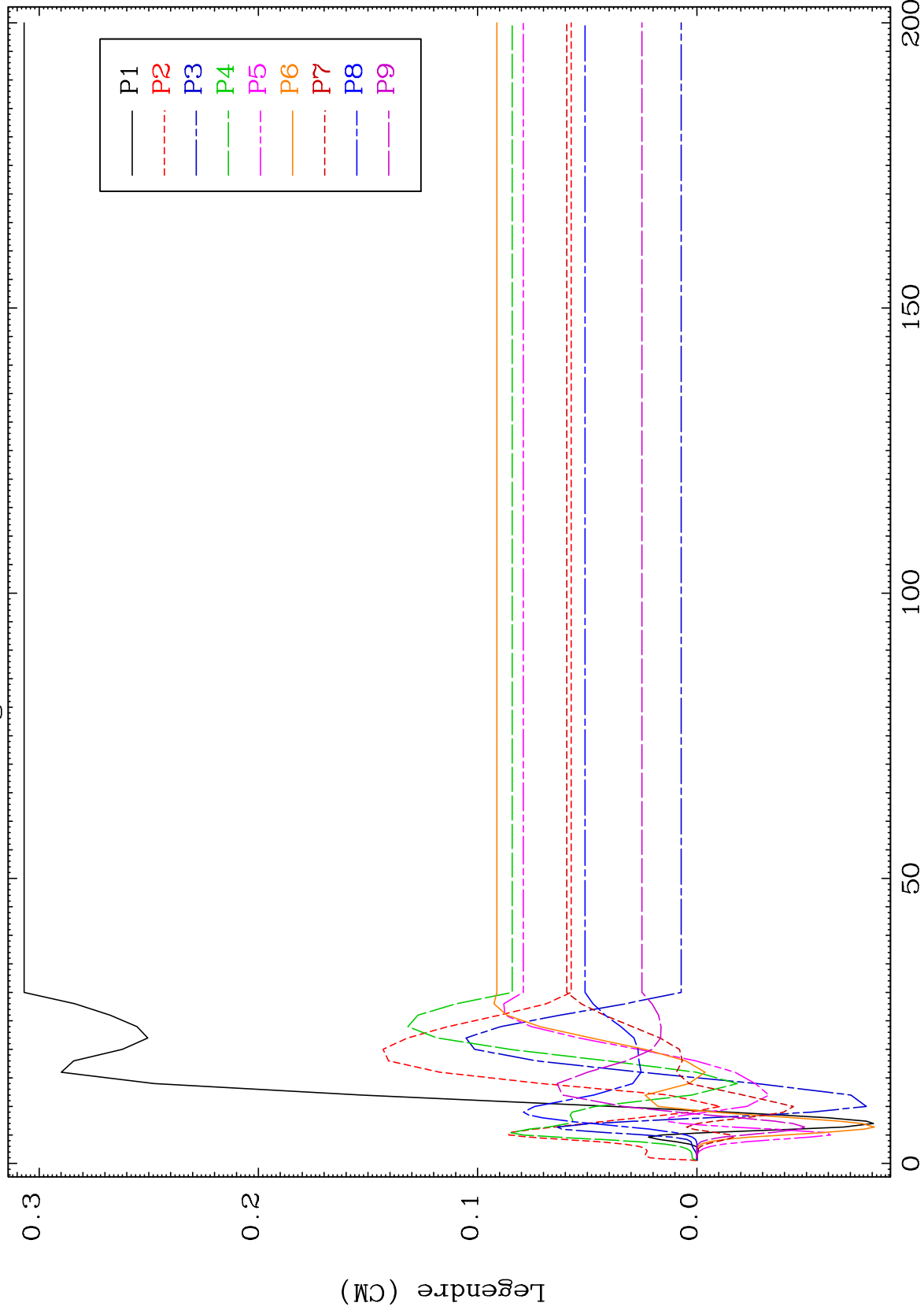
68-Er-165



MAT 6834

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

68-Er-165



92

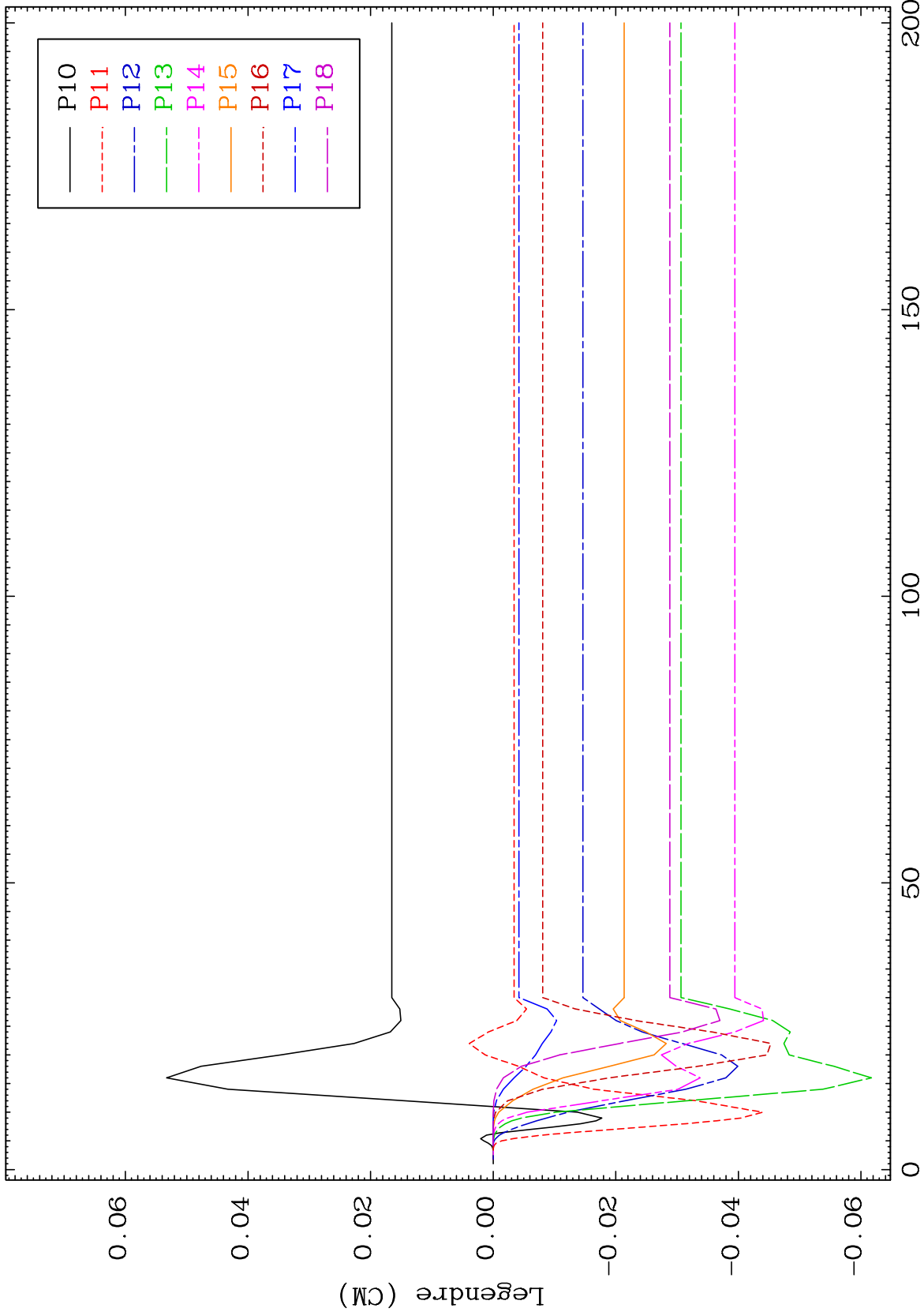
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



93

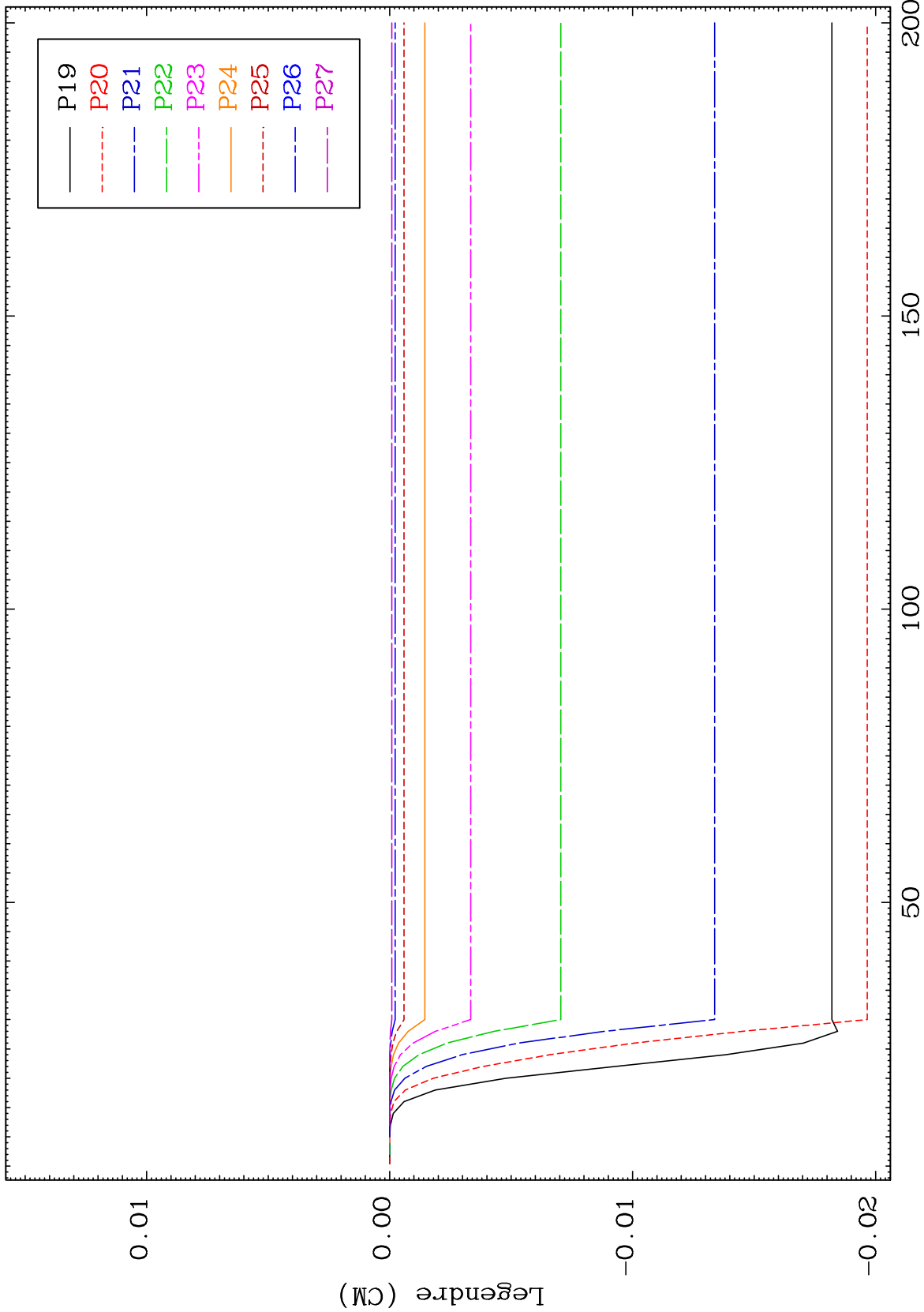
Incident Energy (MeV)

68-Er-165

MAT 6834

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

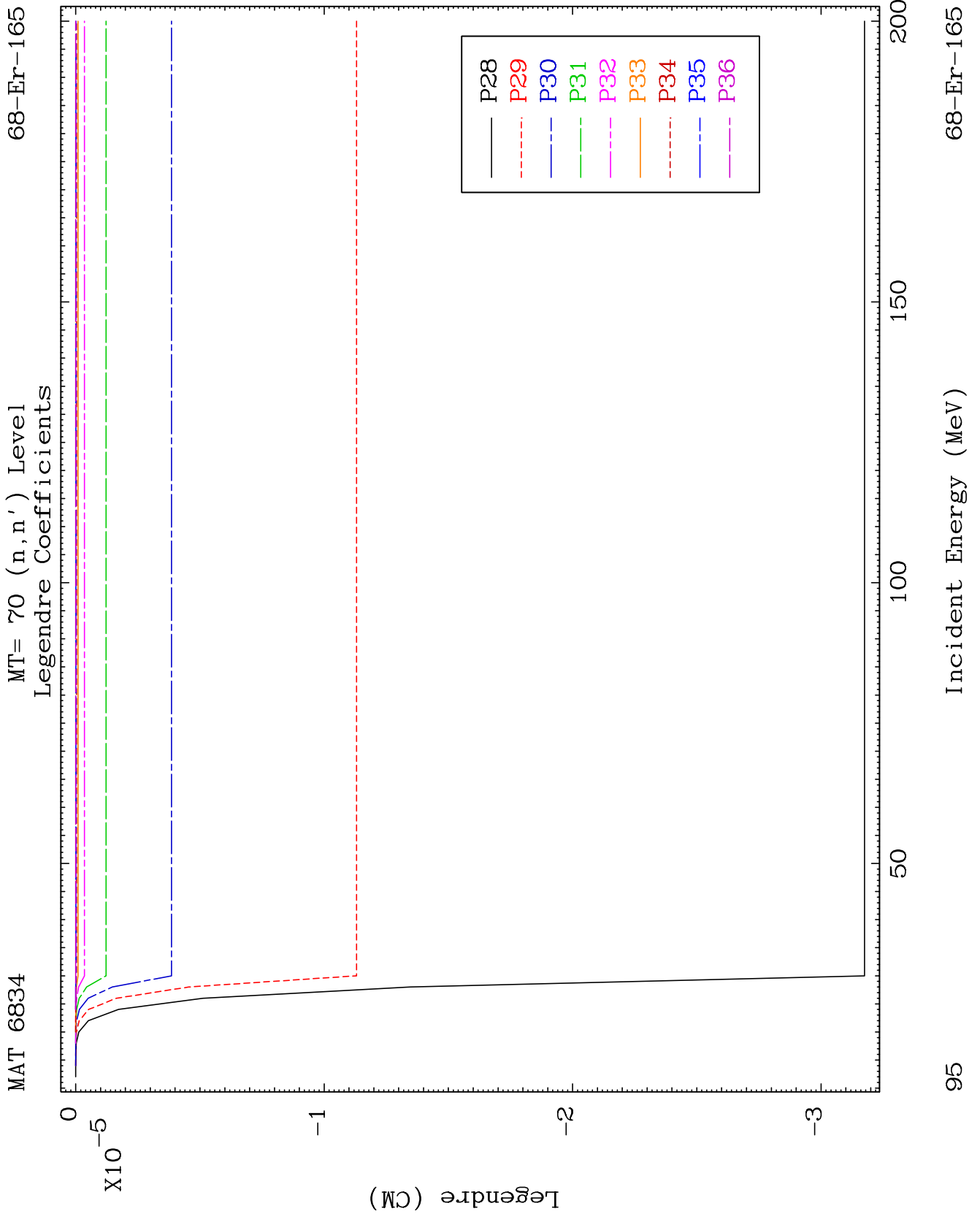
68-Er-165



94

Incident Energy (MeV)

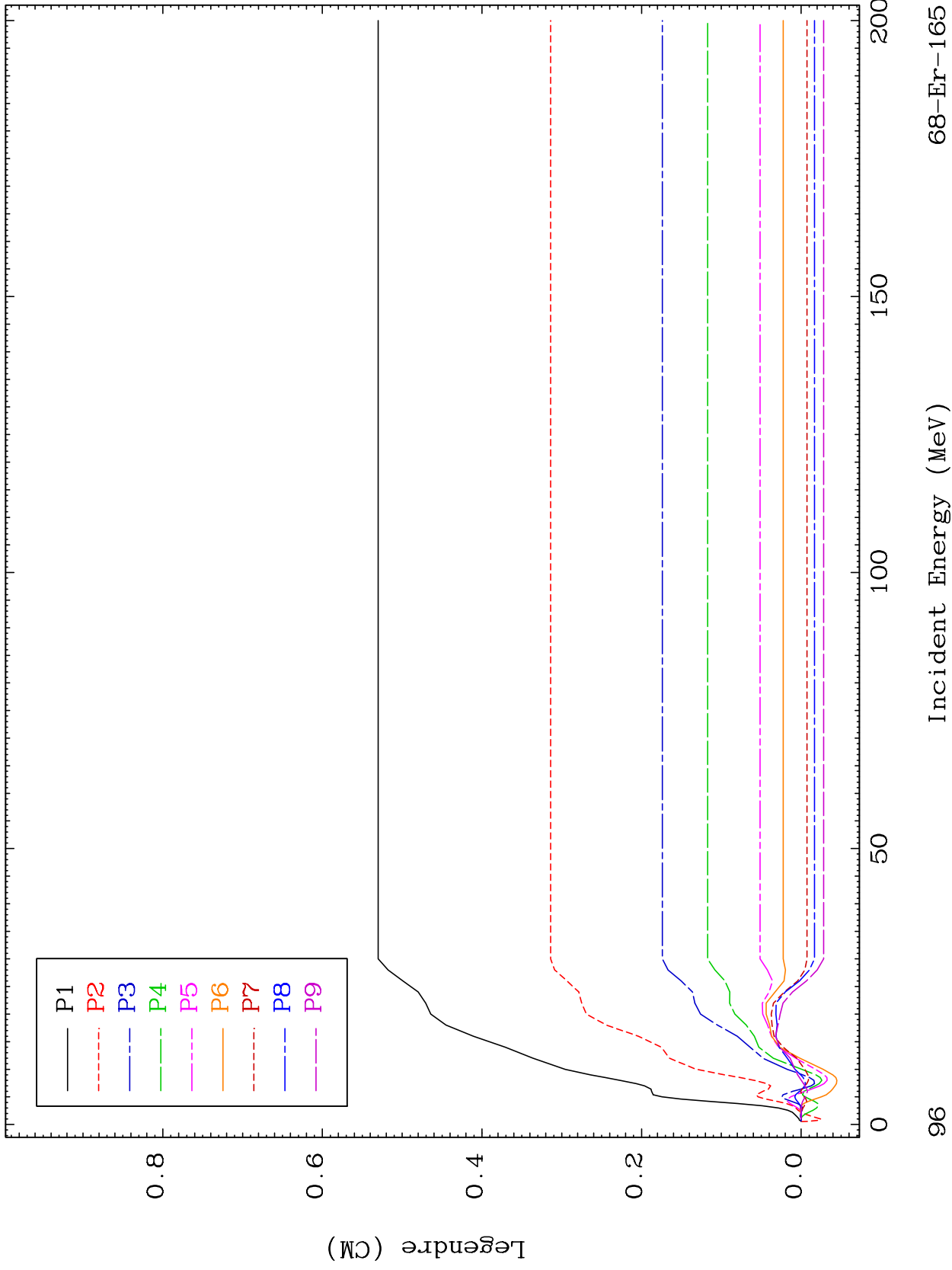
68-Er-165



MAT 6834

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

68-Er-165



96

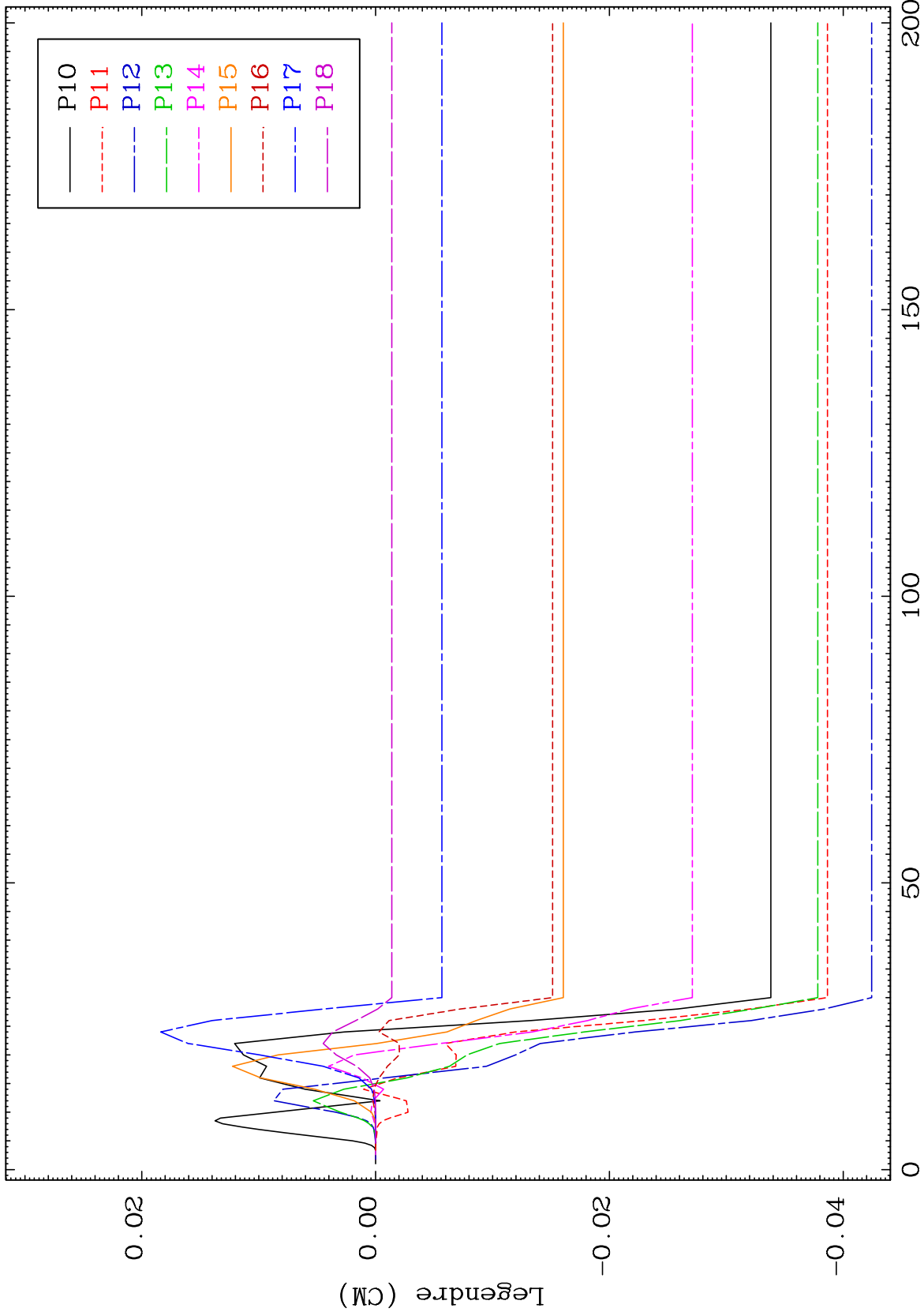
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



97

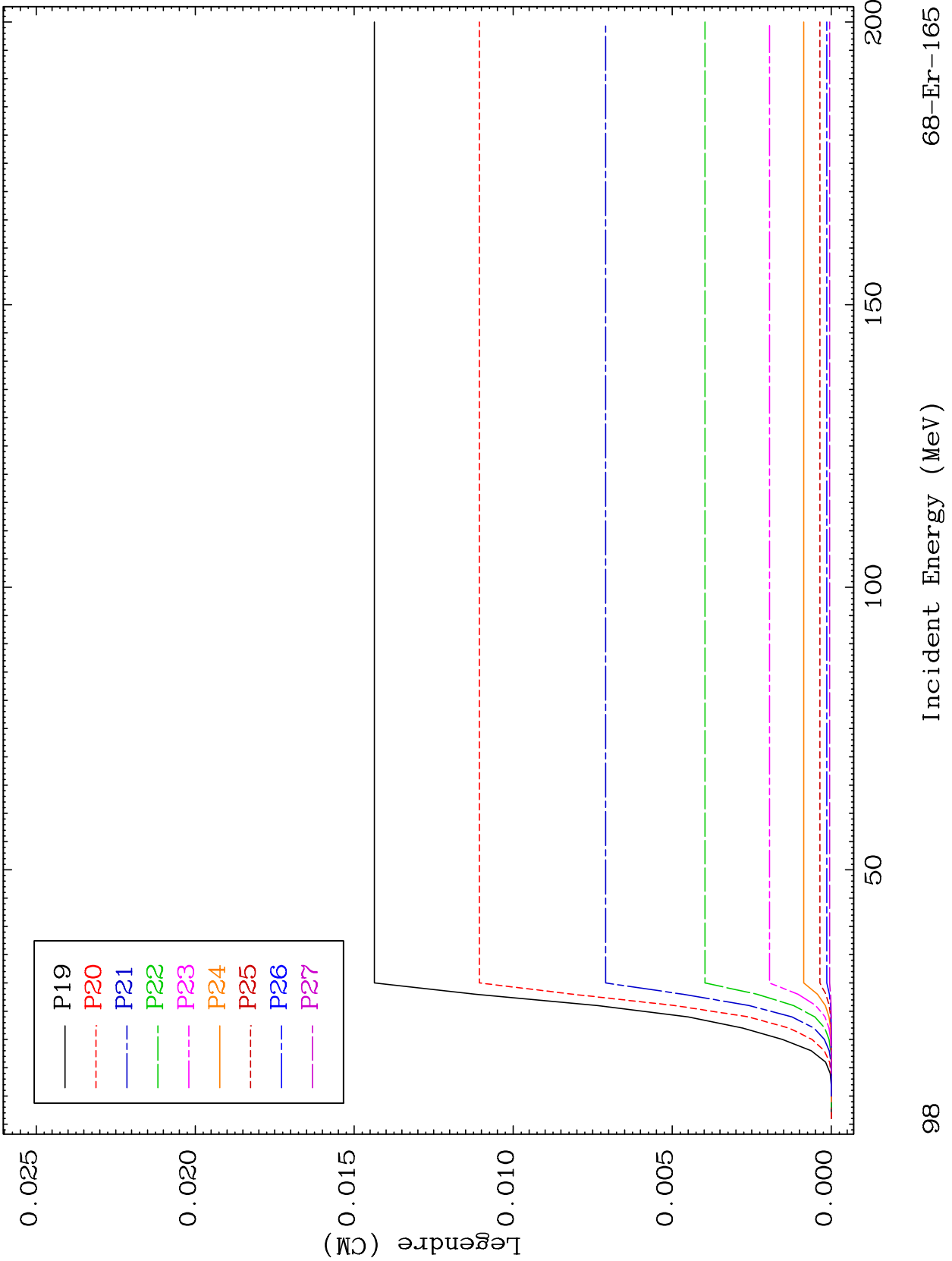
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



98

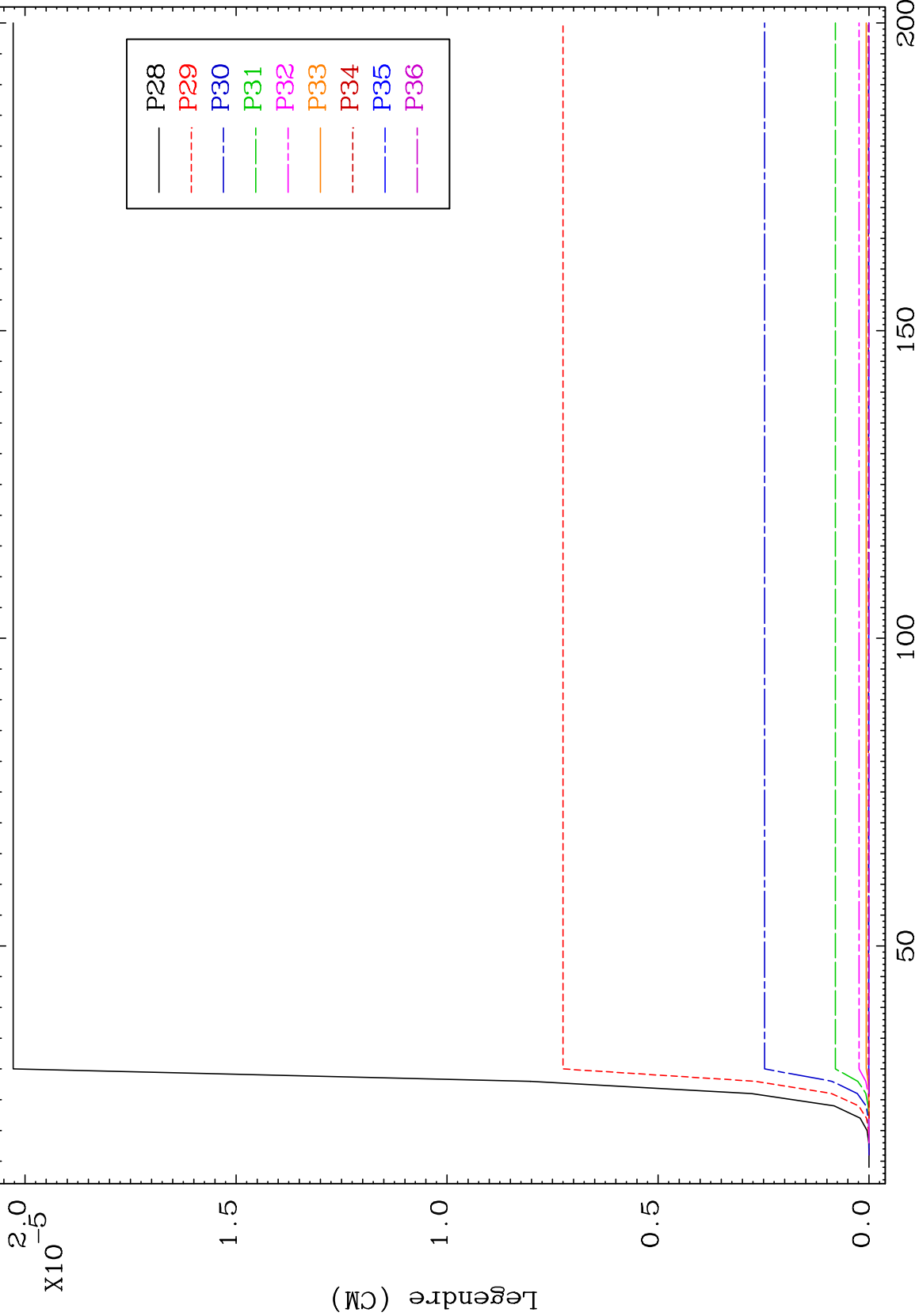
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



99

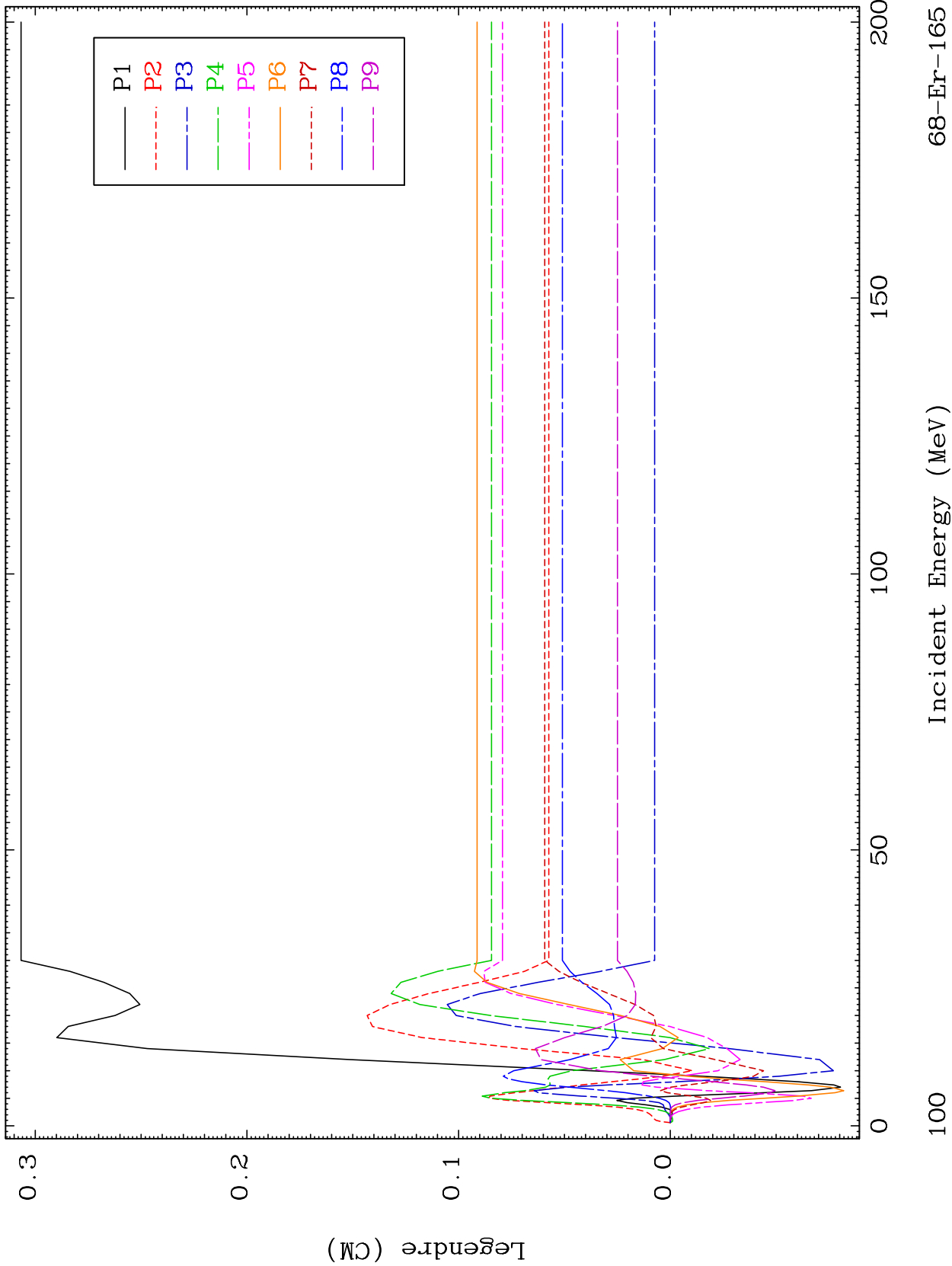
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



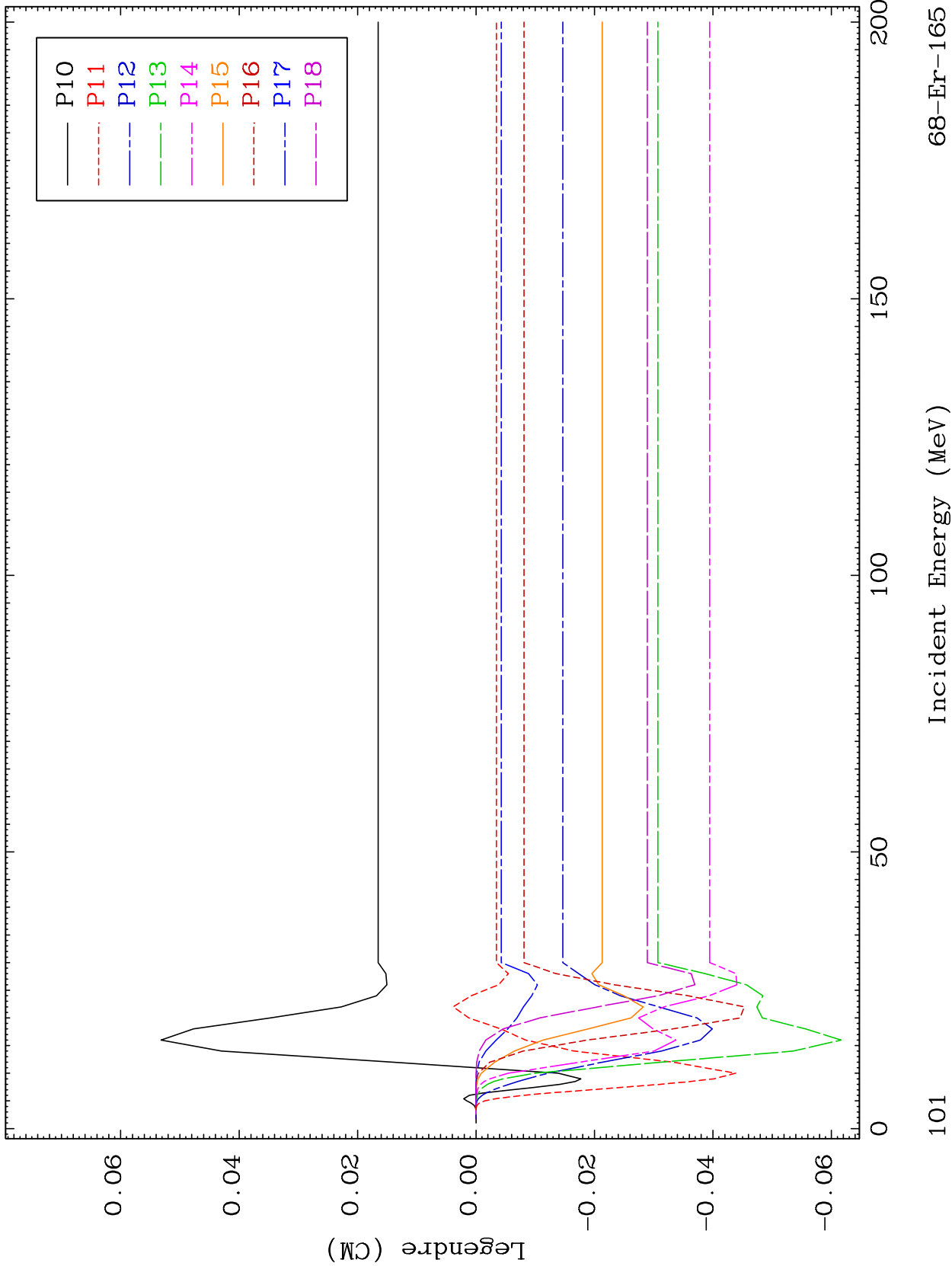
68-Er-165

Incident Energy (MeV)

MAT 6834

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

68-Er-165



68-Er-165

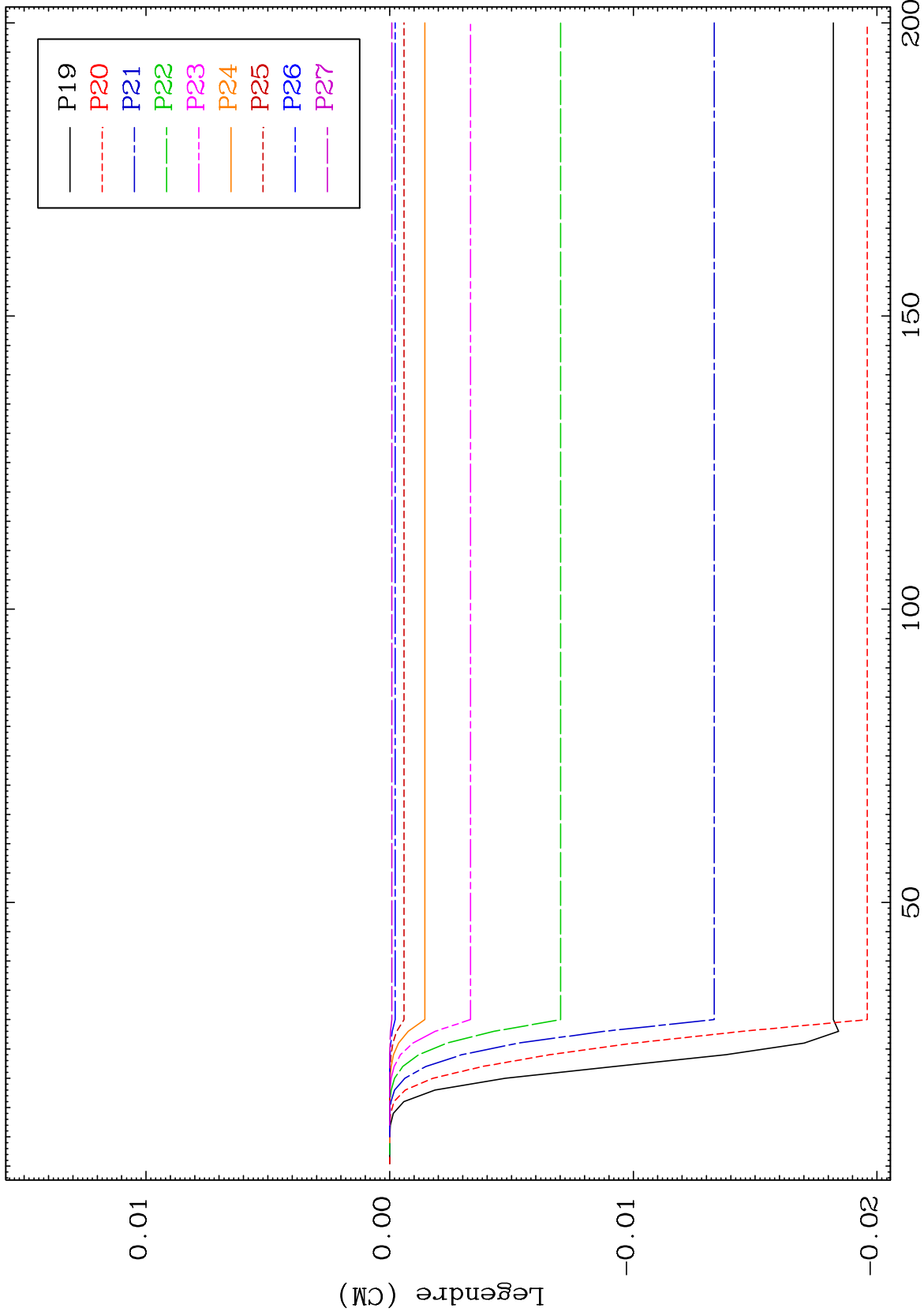
Incident Energy (MeV)

101

MAT 6834

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

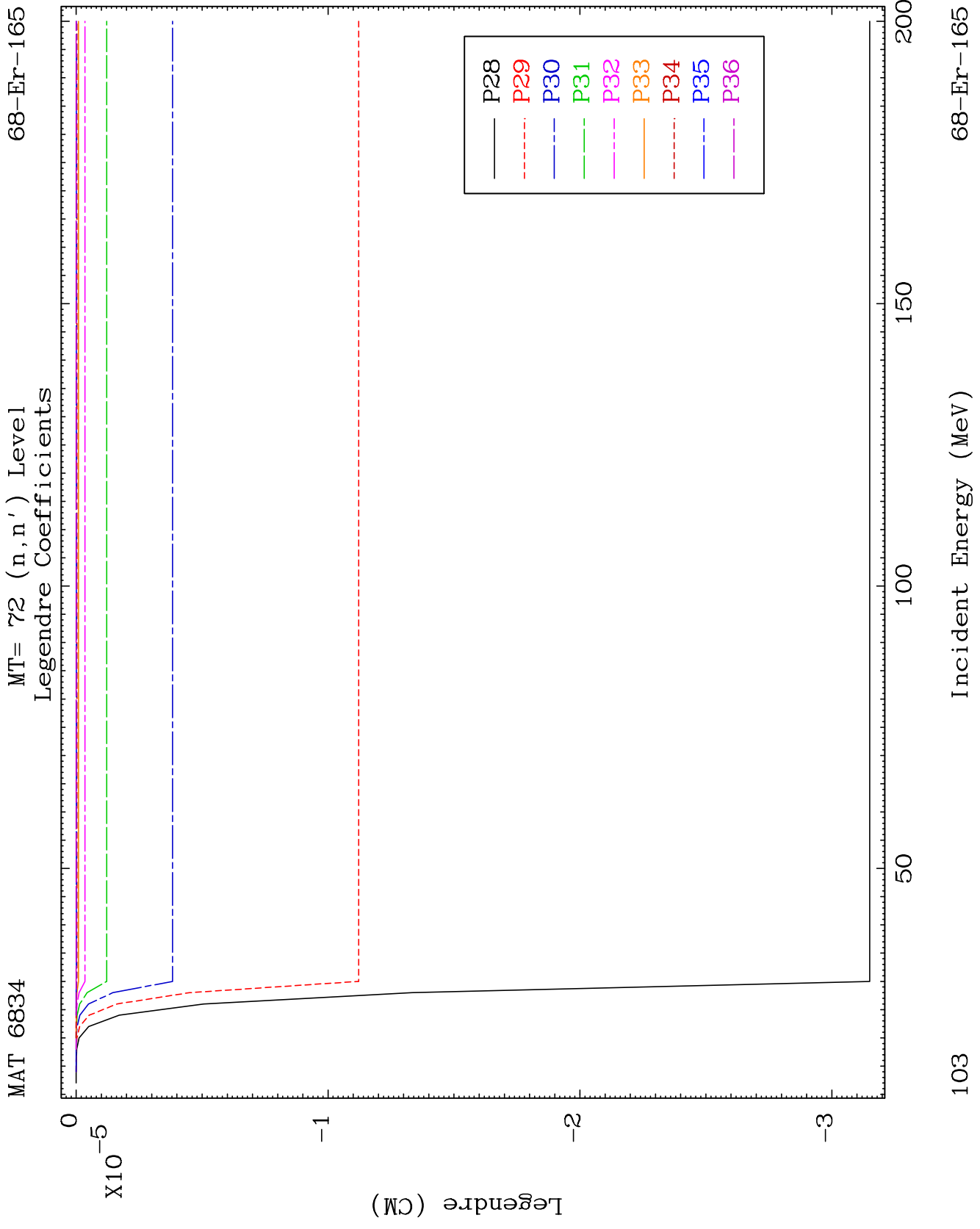
68-Er-165



102

Incident Energy (MeV)

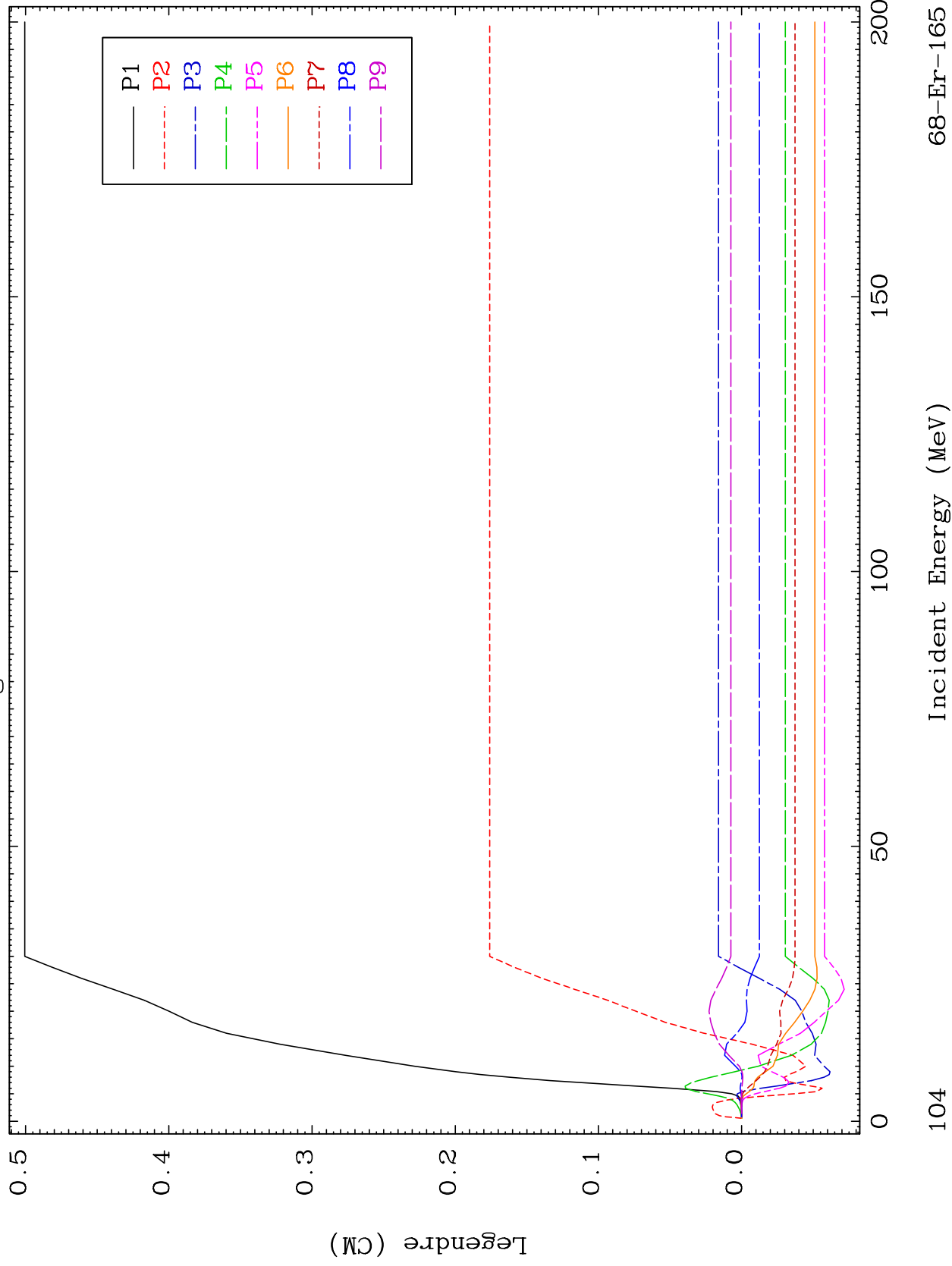
68-Er-165



MAT 6834

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

68-Er-165



104

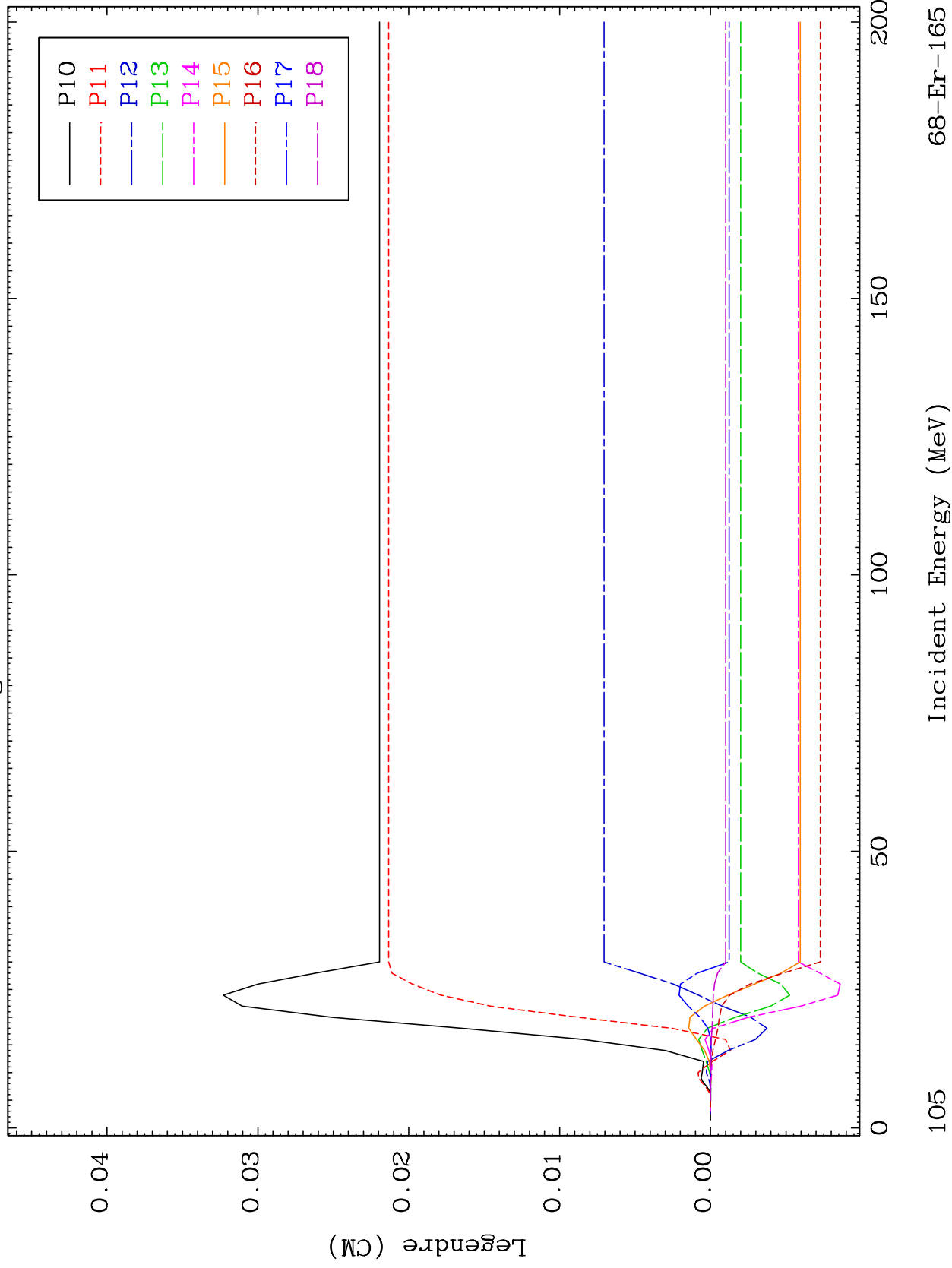
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



68-Er-165

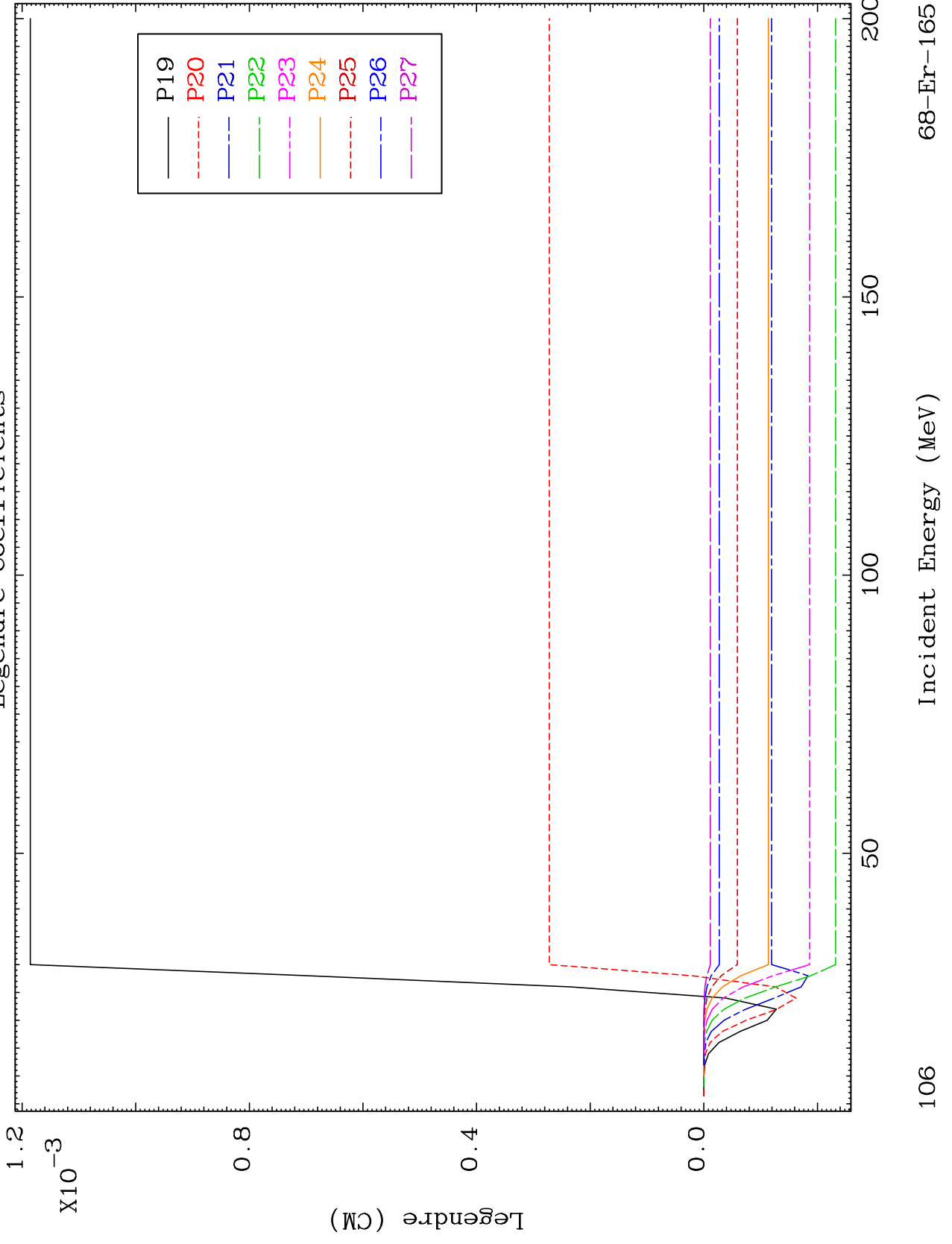
Incident Energy (MeV)

105

MAT 6834

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

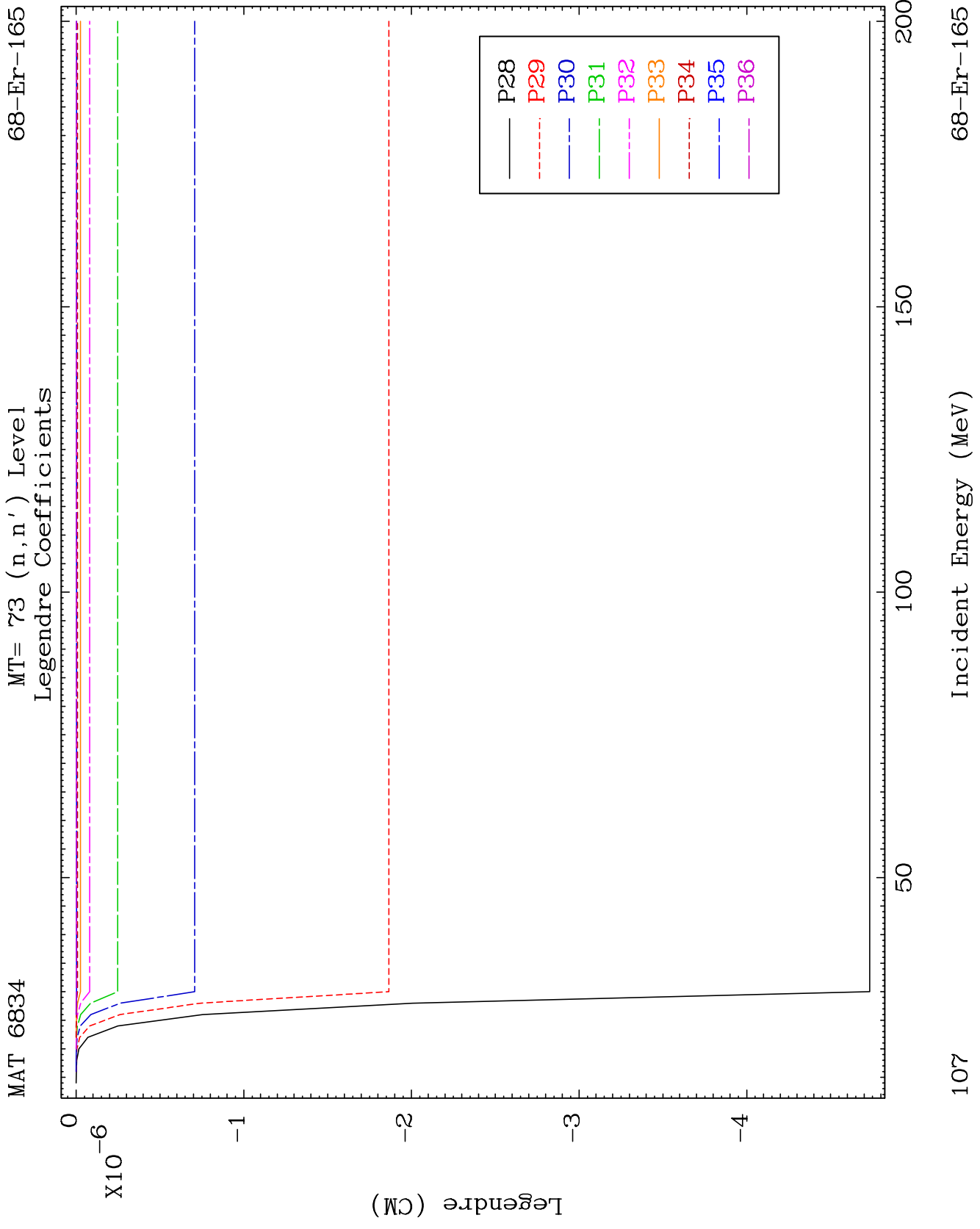
68-Er-165

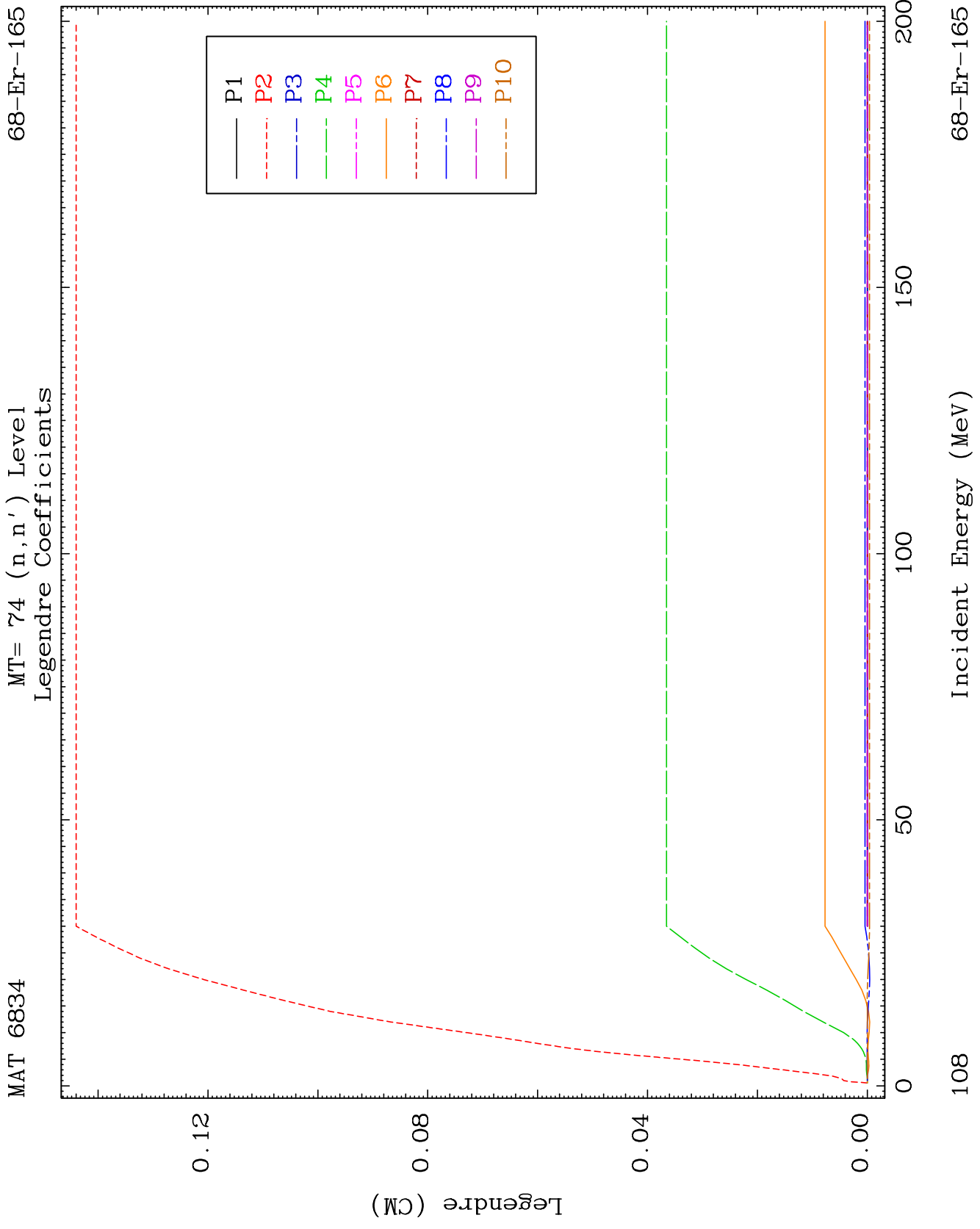


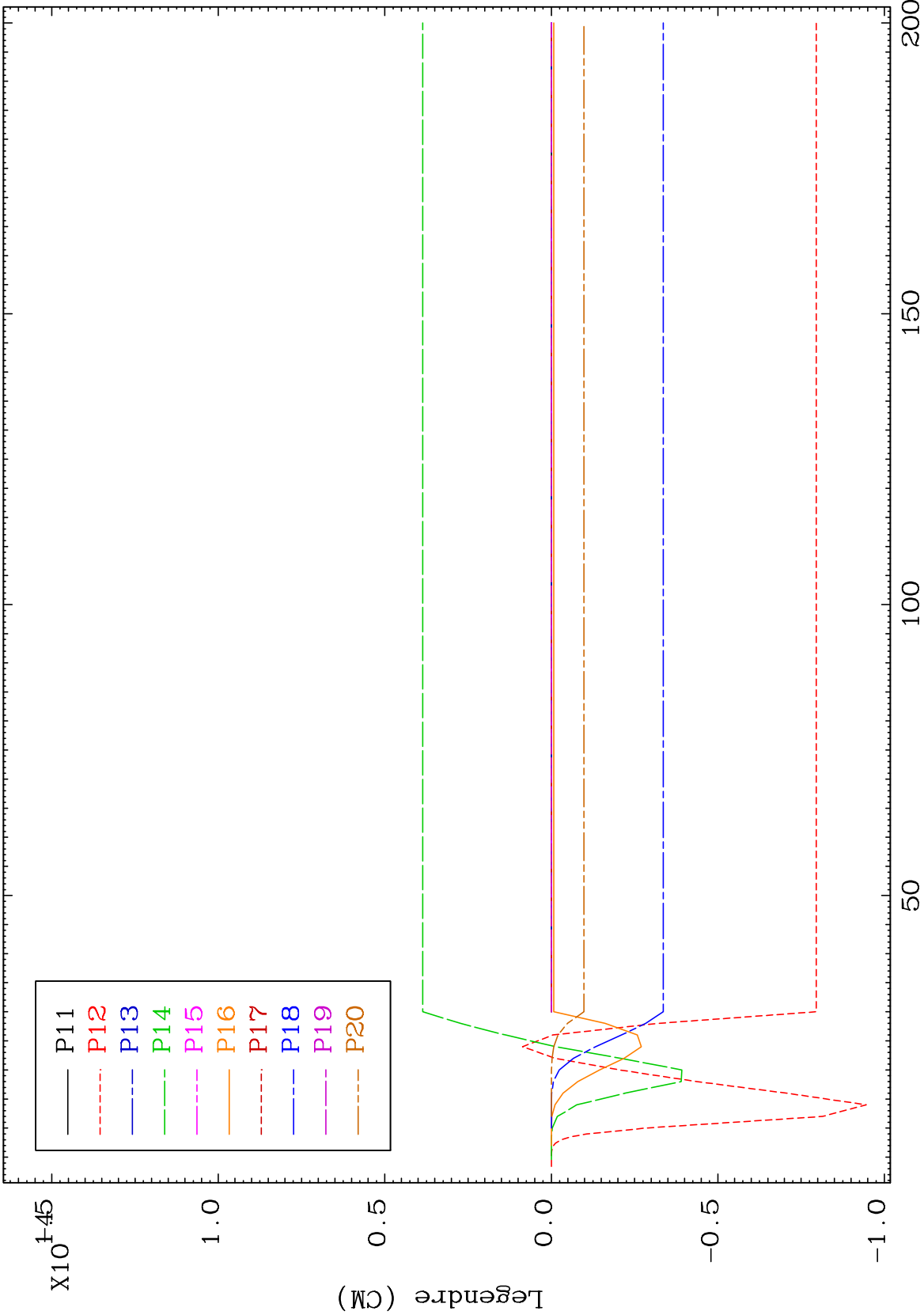
106

Incident Energy (MeV)

68-Er-165



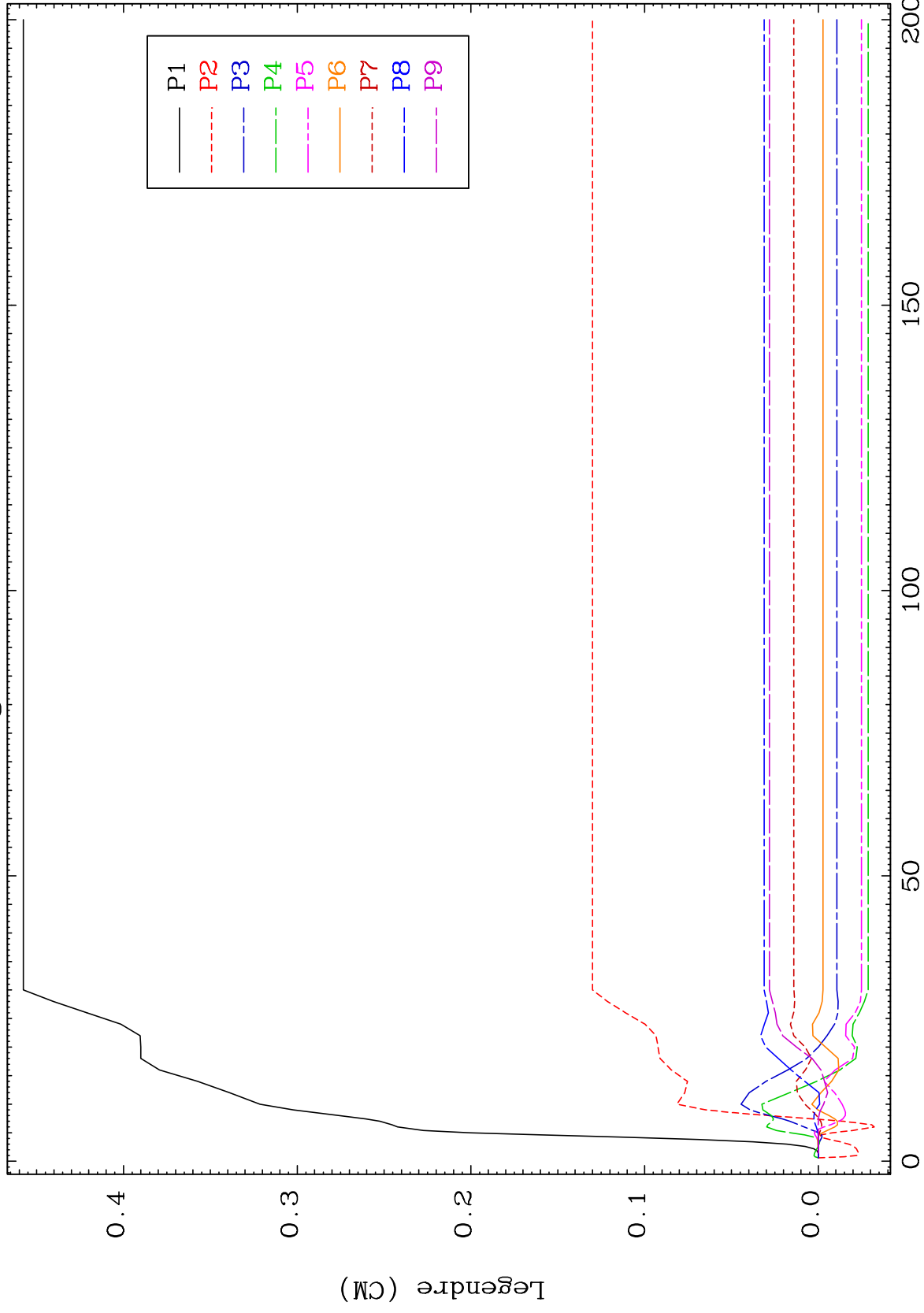




MAT 6834

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

68-Er-165



111

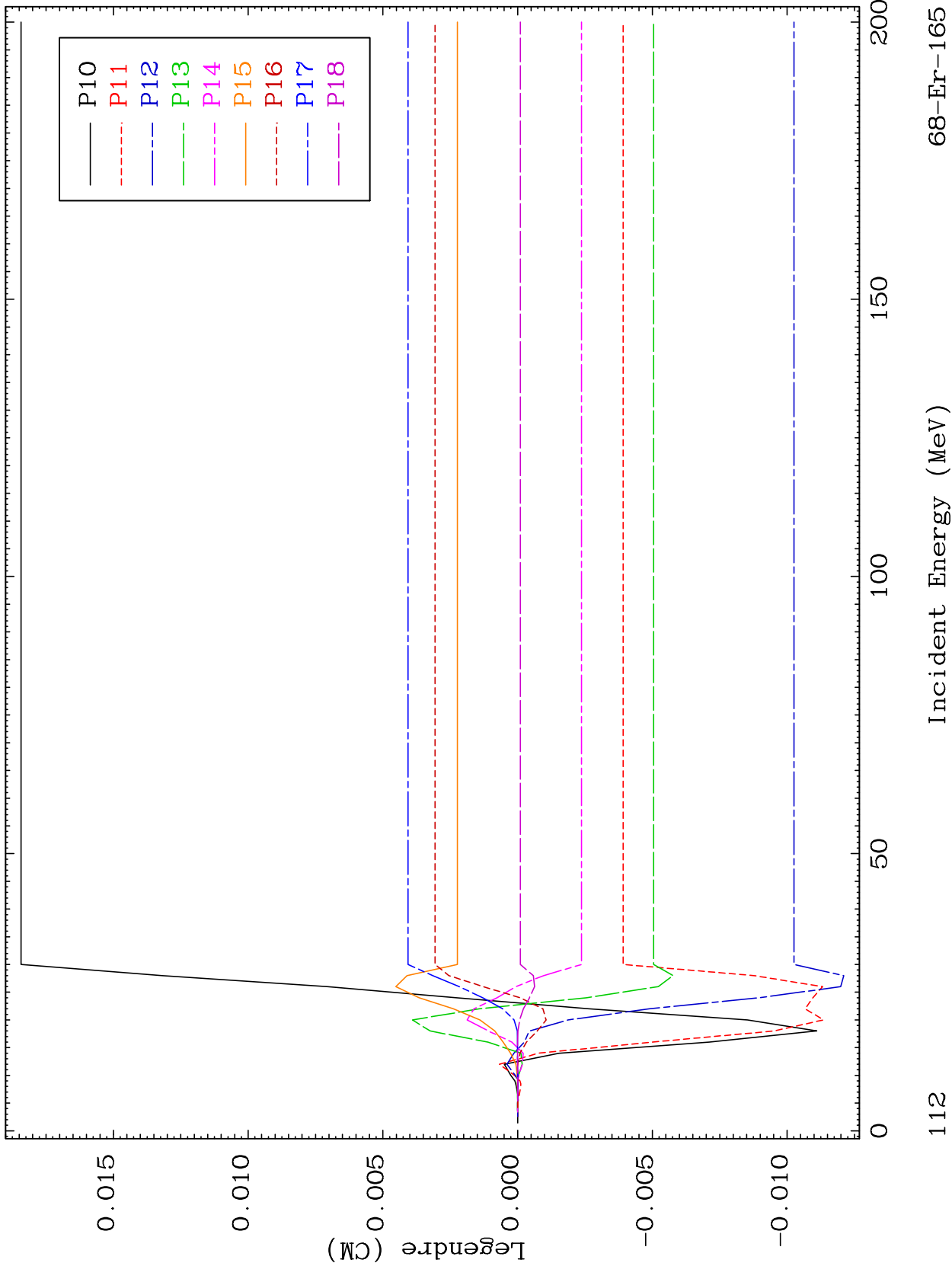
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



112

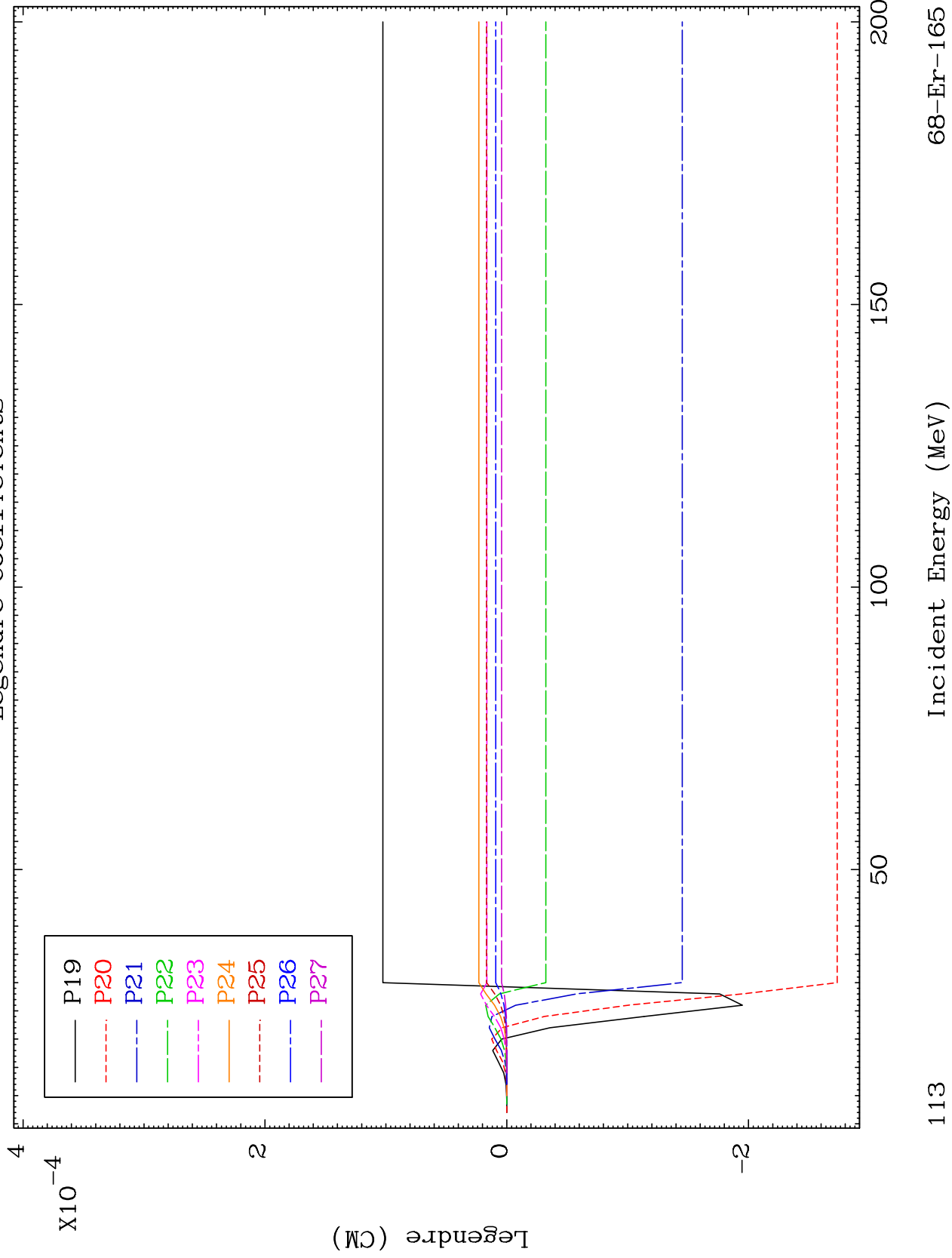
Incident Energy (MeV)

68-Er-165

MAT 6834

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

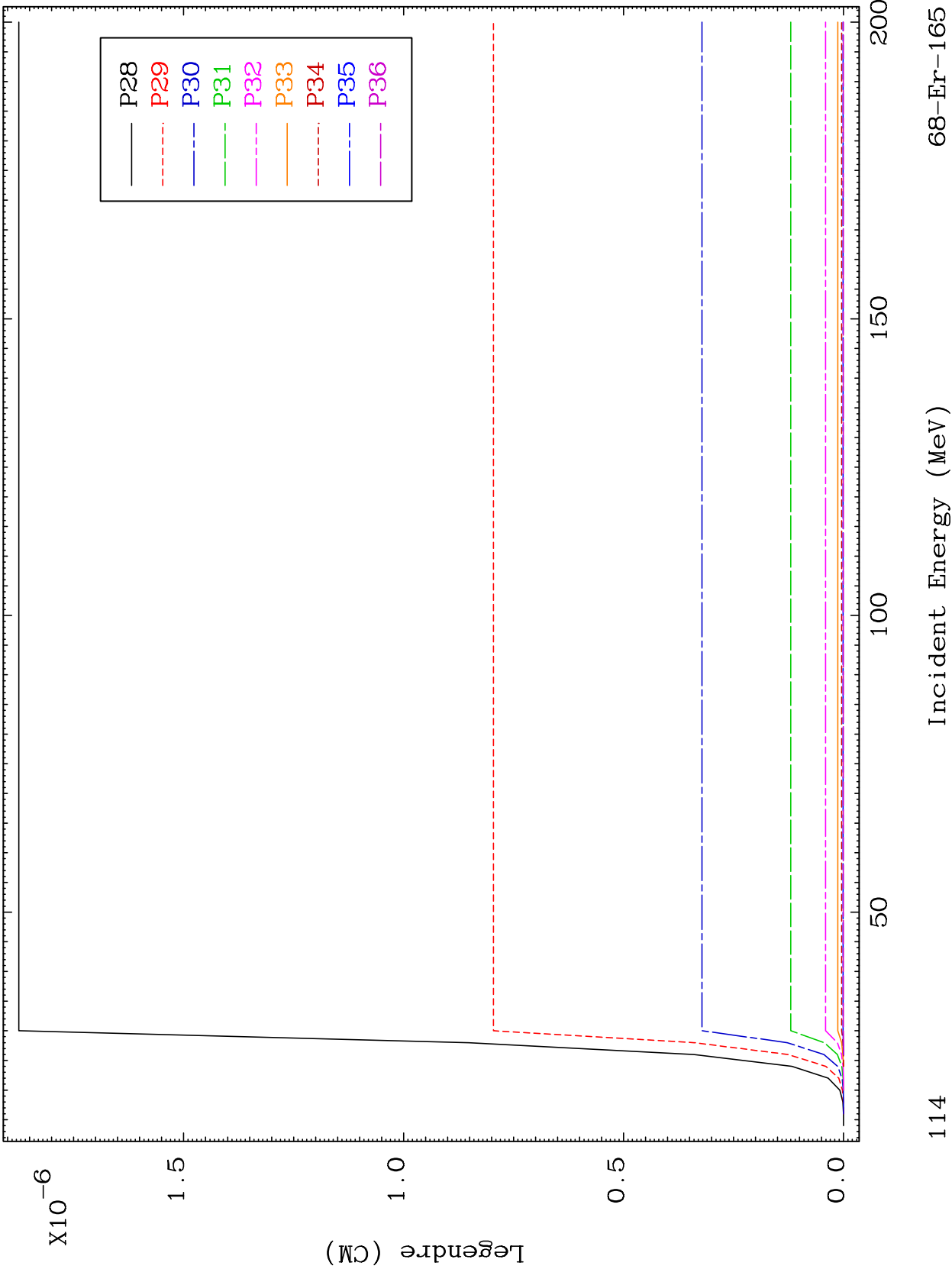
68-Er-165



MAT 6834

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

68-Er-165



114

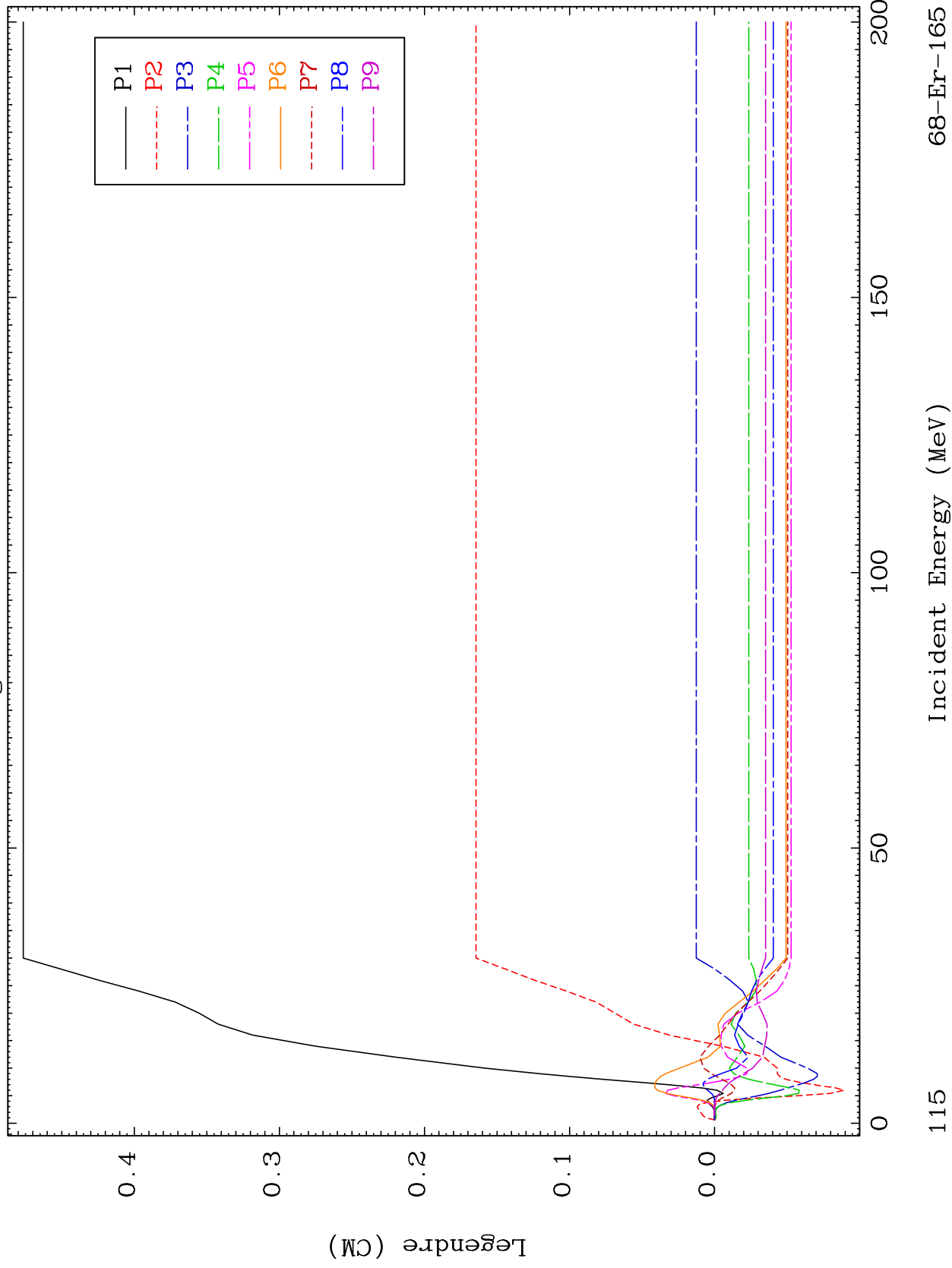
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



68-Er-165

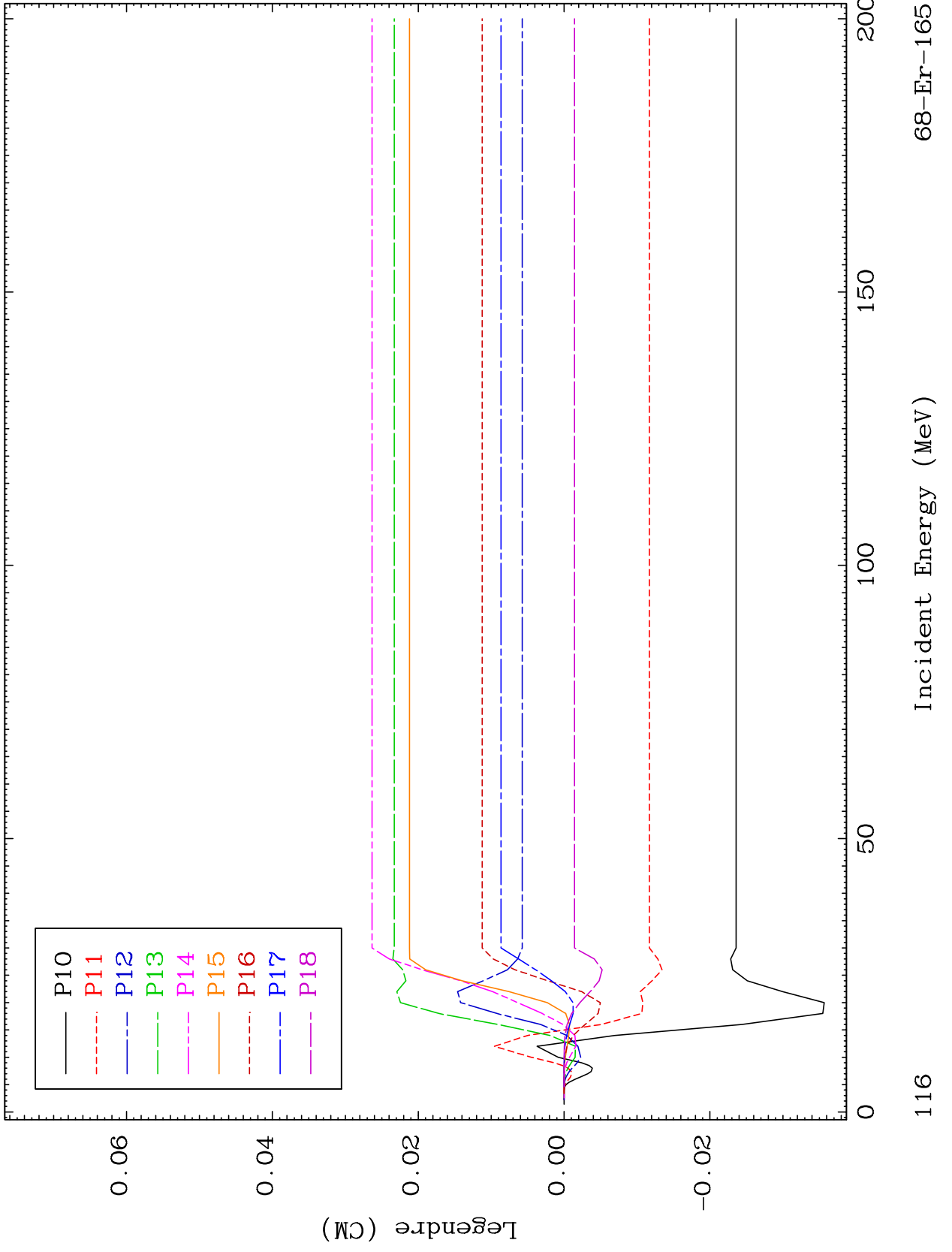
Incident Energy (MeV)

115

MAT 6834

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

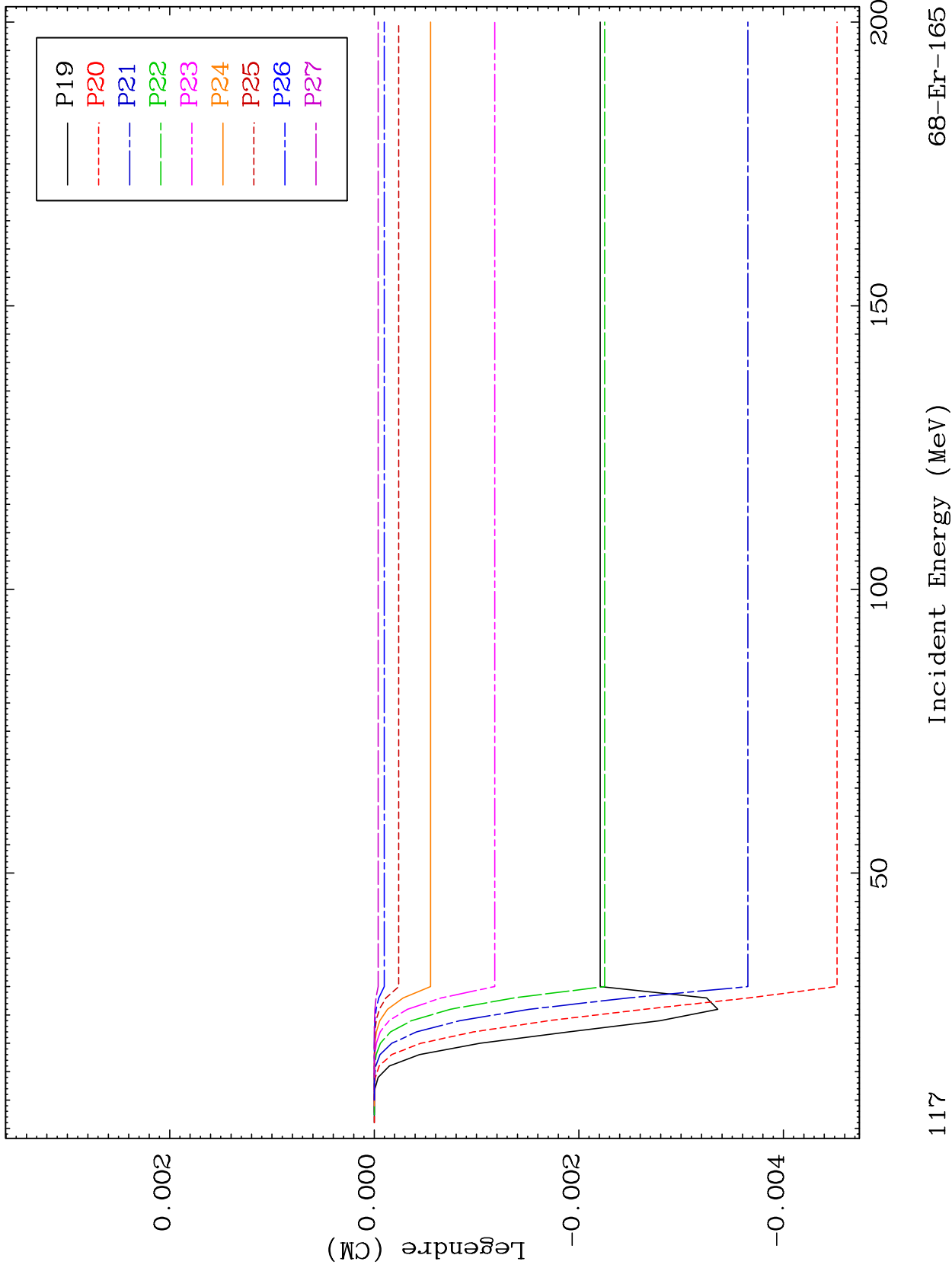
68-Er-165



MAT 6834

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

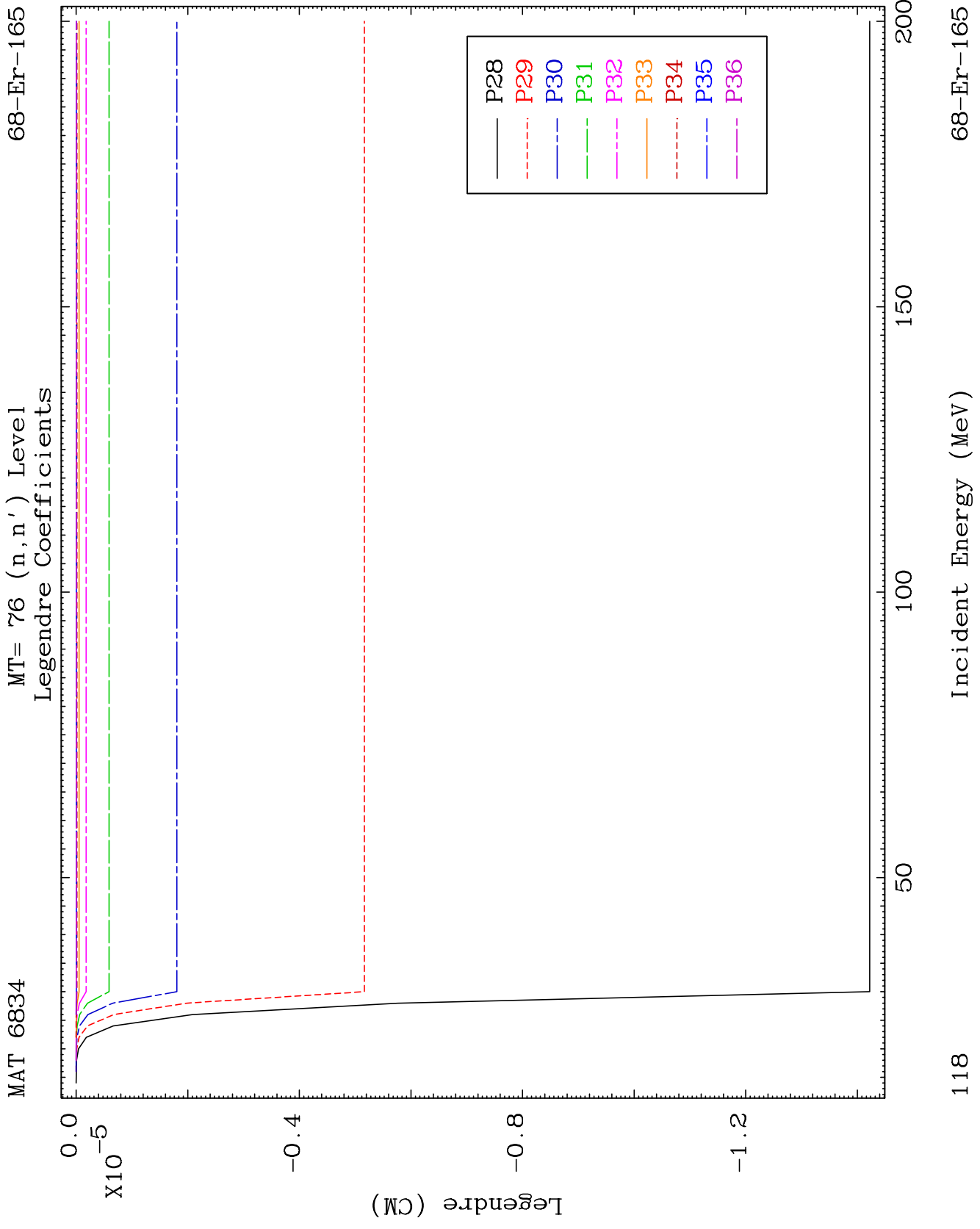
68-Er-165



117

Incident Energy (MeV)

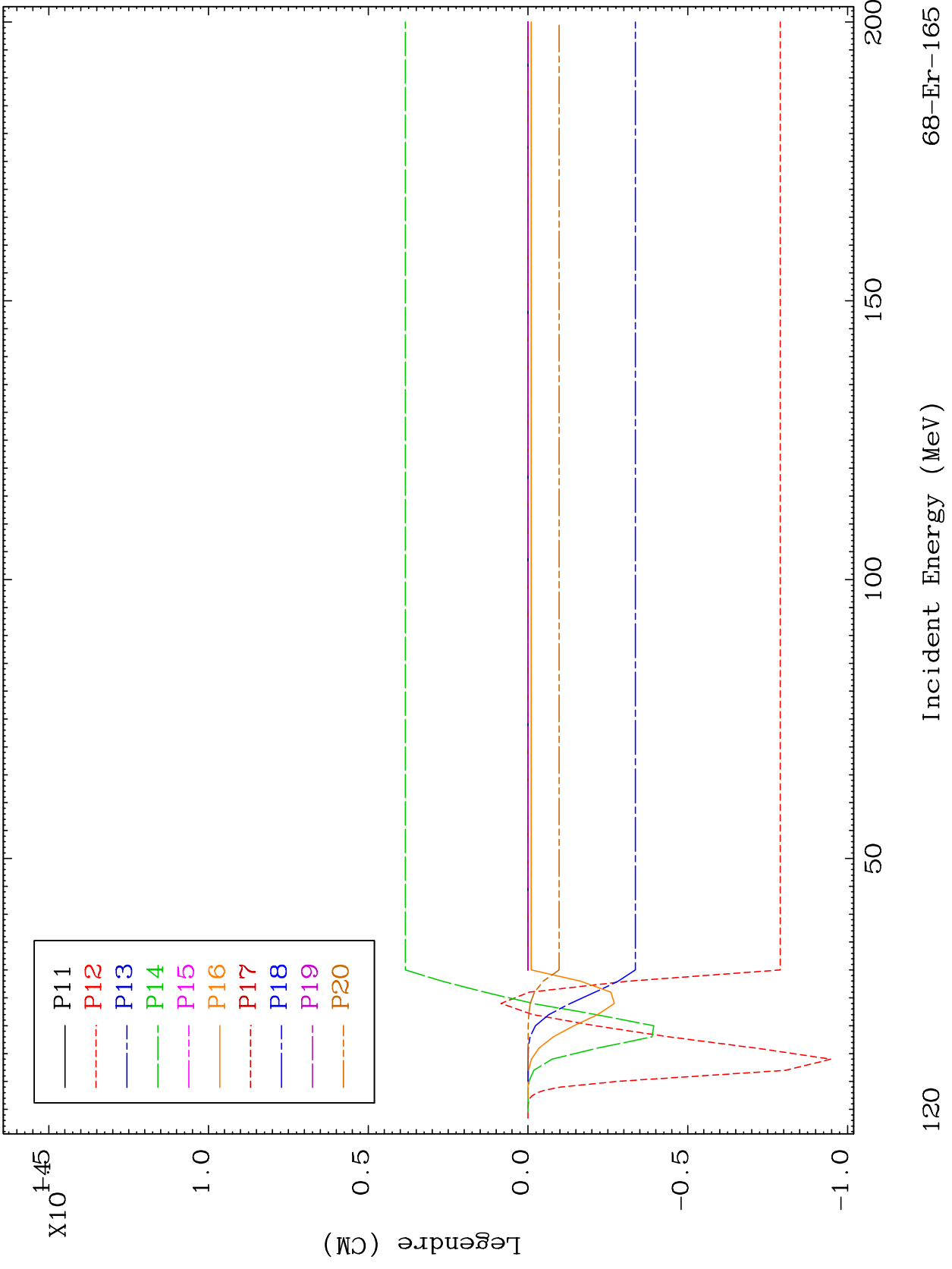
68-Er-165



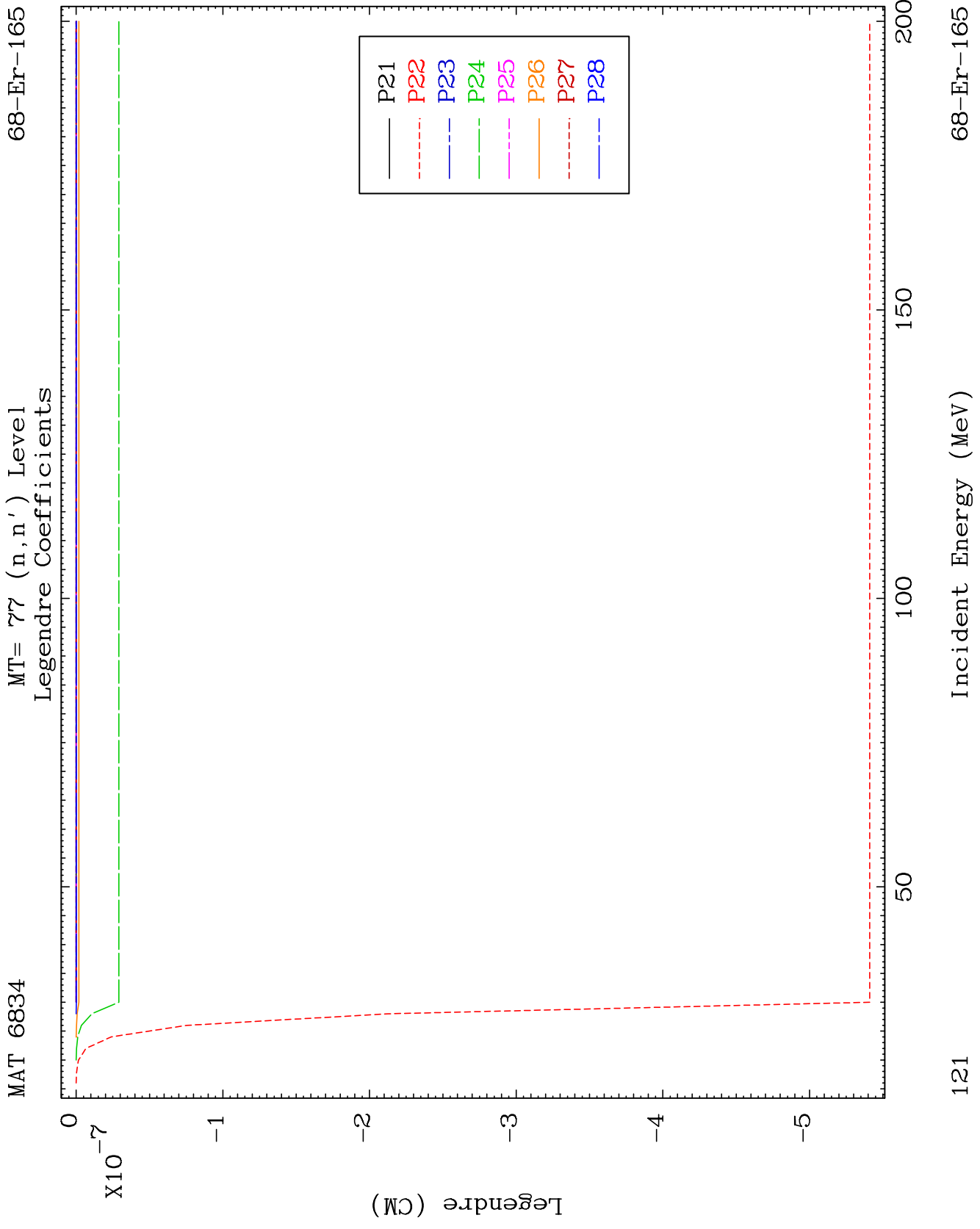
MAT 6834

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

68-Er-165



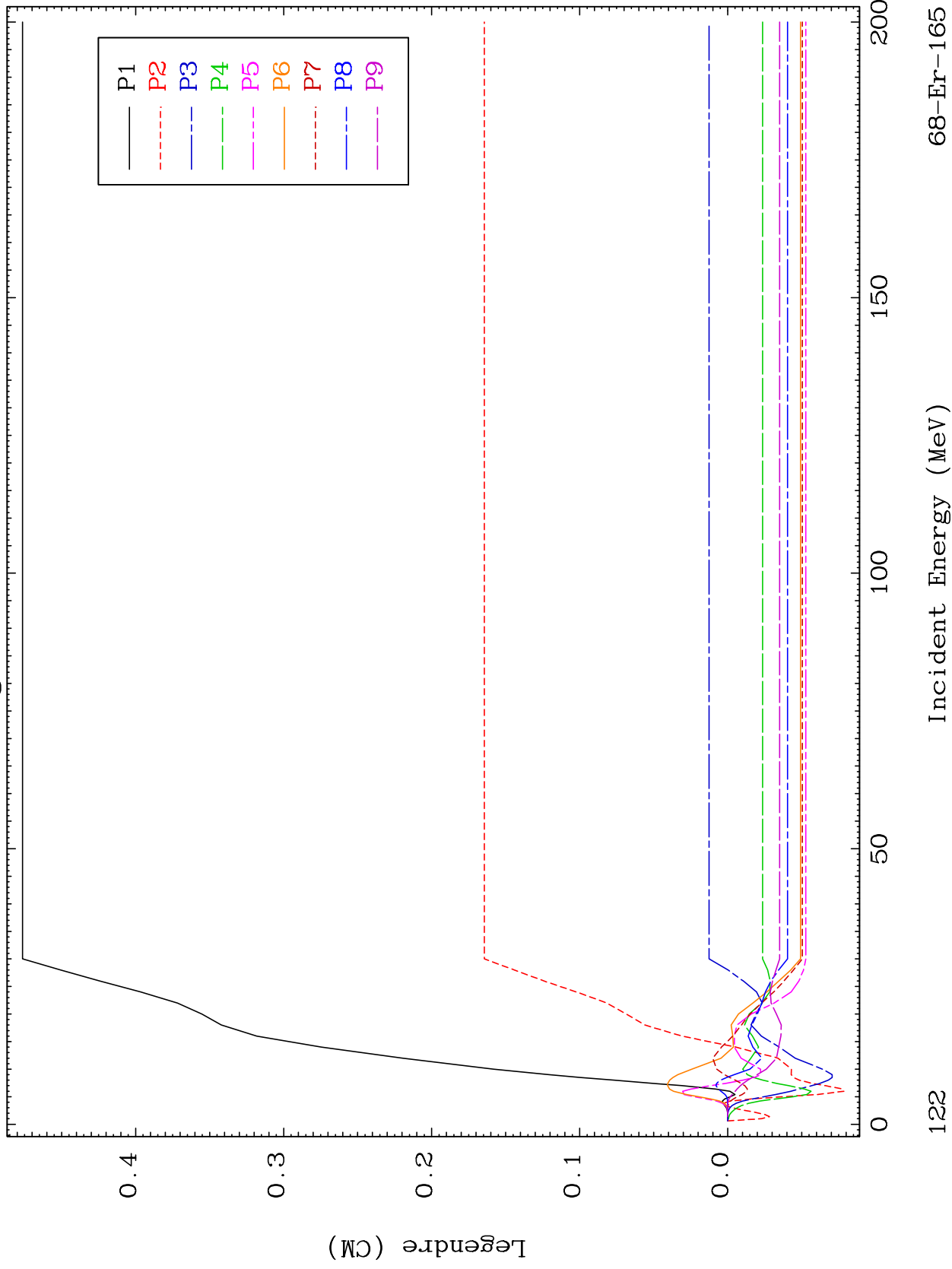
68-Er-165



MAT 6834

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

68-Er-165



122

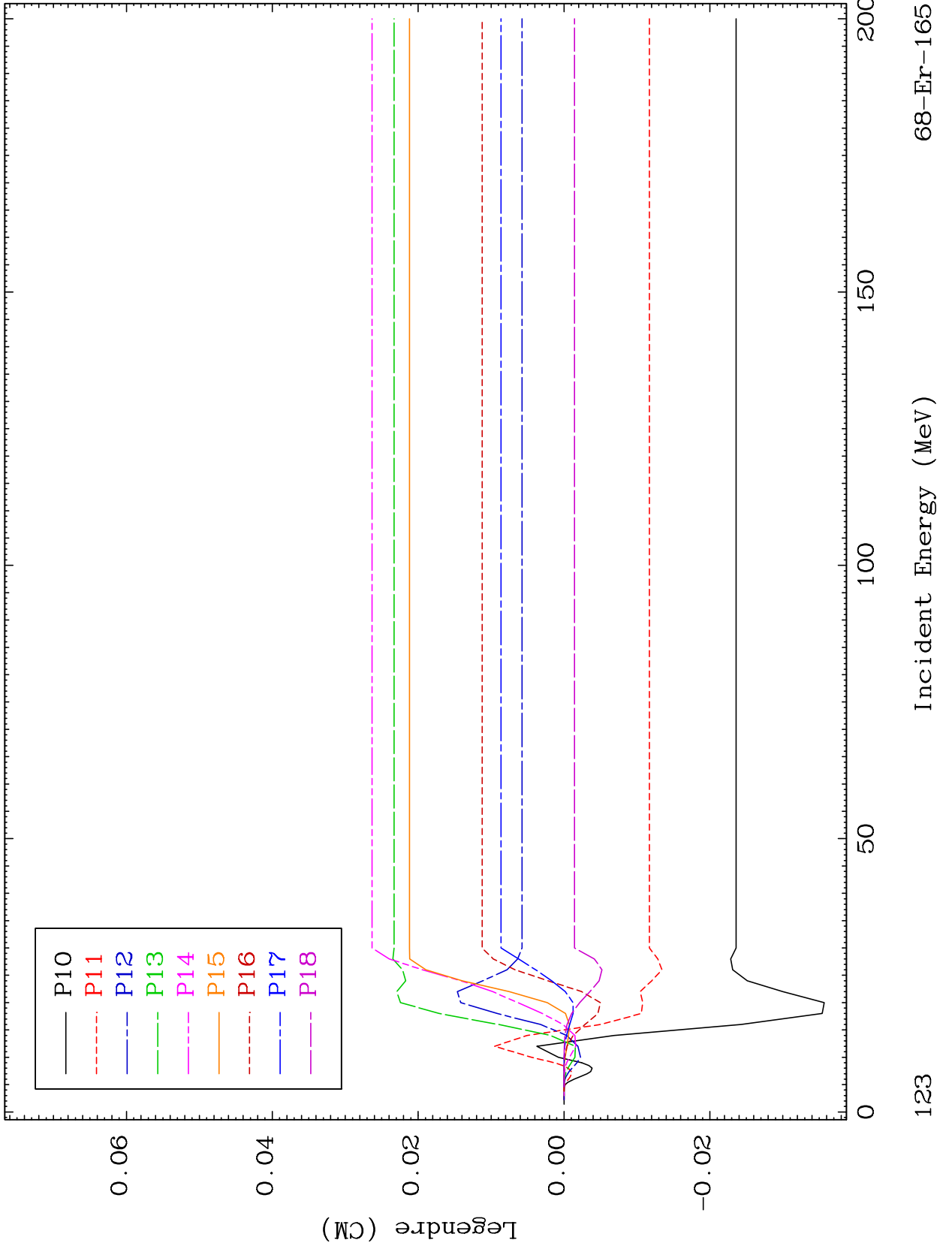
Incident Energy (MeV)

68-Er-165

MAT 6834

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

68-Er-165



123

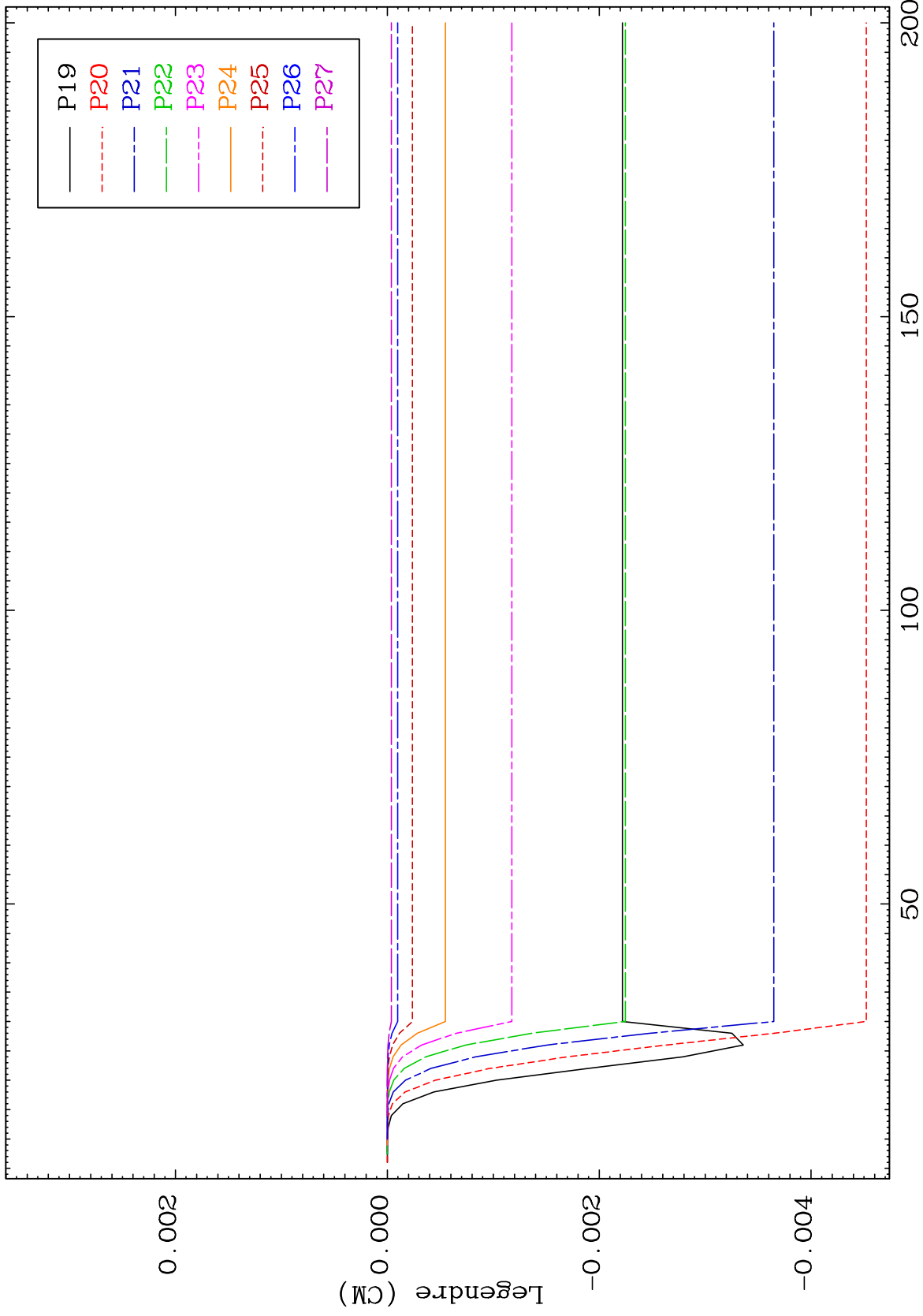
Incident Energy (MeV)

68-Er-165

MAT 6834

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

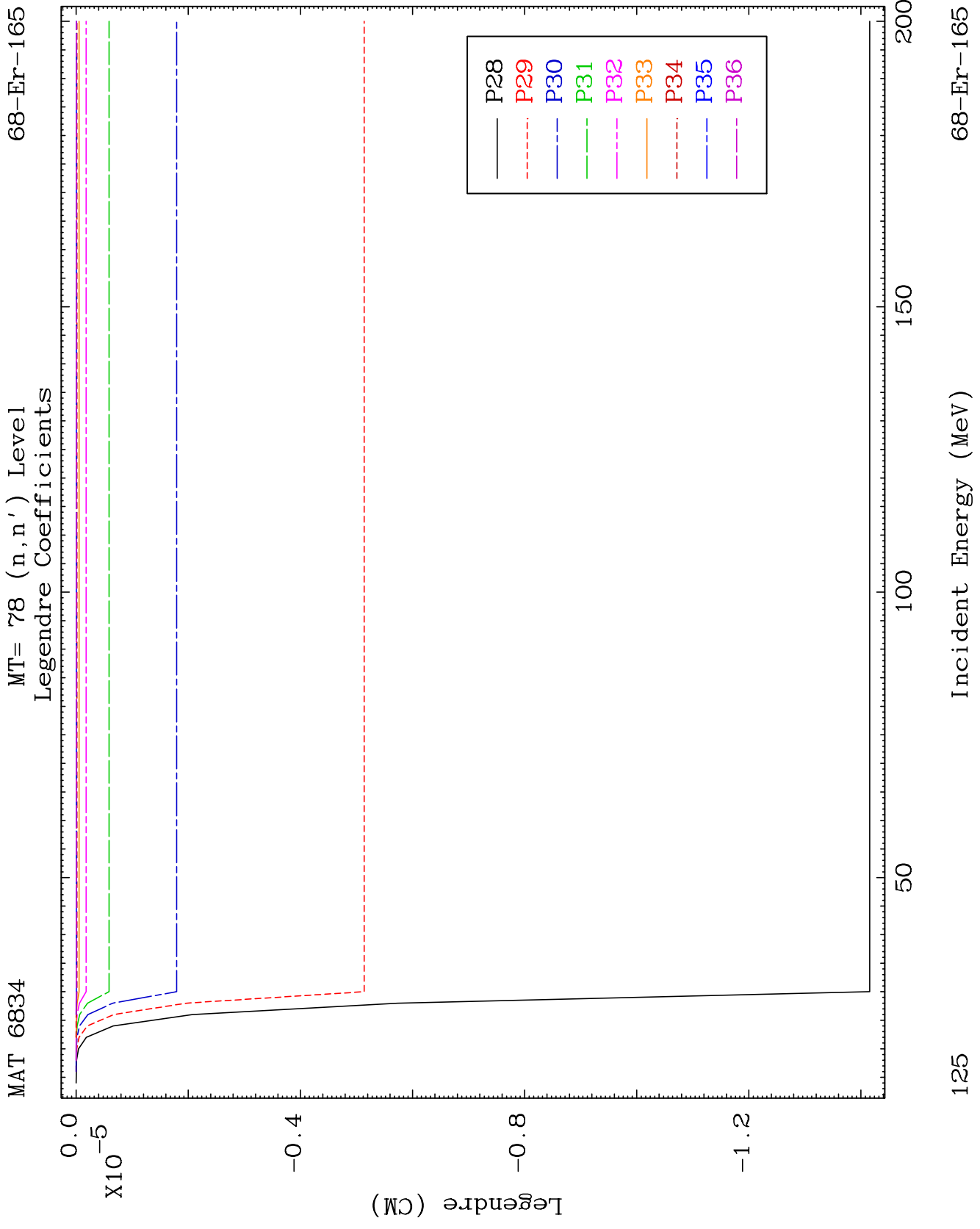
68-Er-165



124

Incident Energy (MeV)

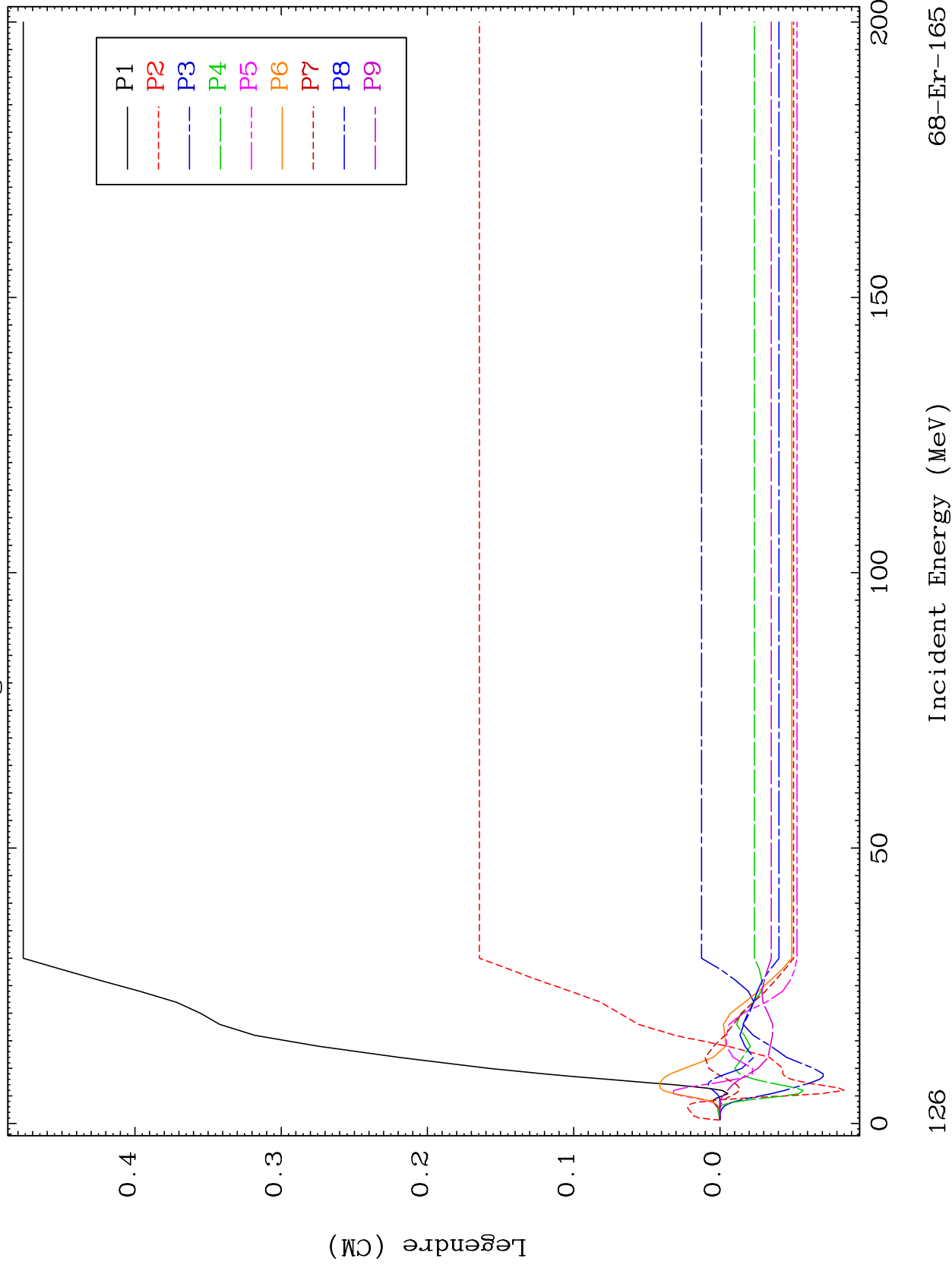
68-Er-165



MAT 6834

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

68-Er-165



68-Er-165

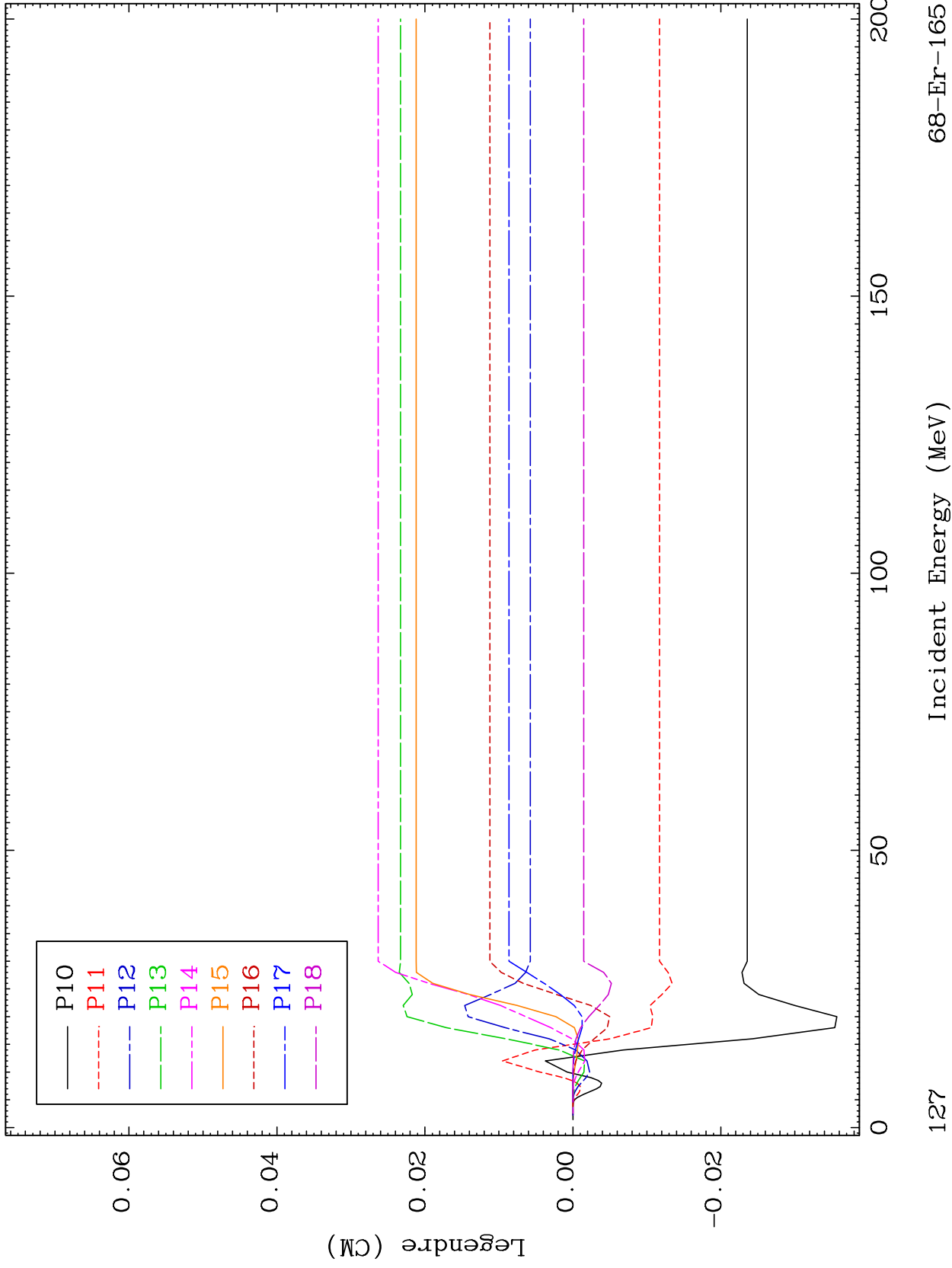
Incident Energy (MeV)

126

MAT 6834

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

68-Er-165



127

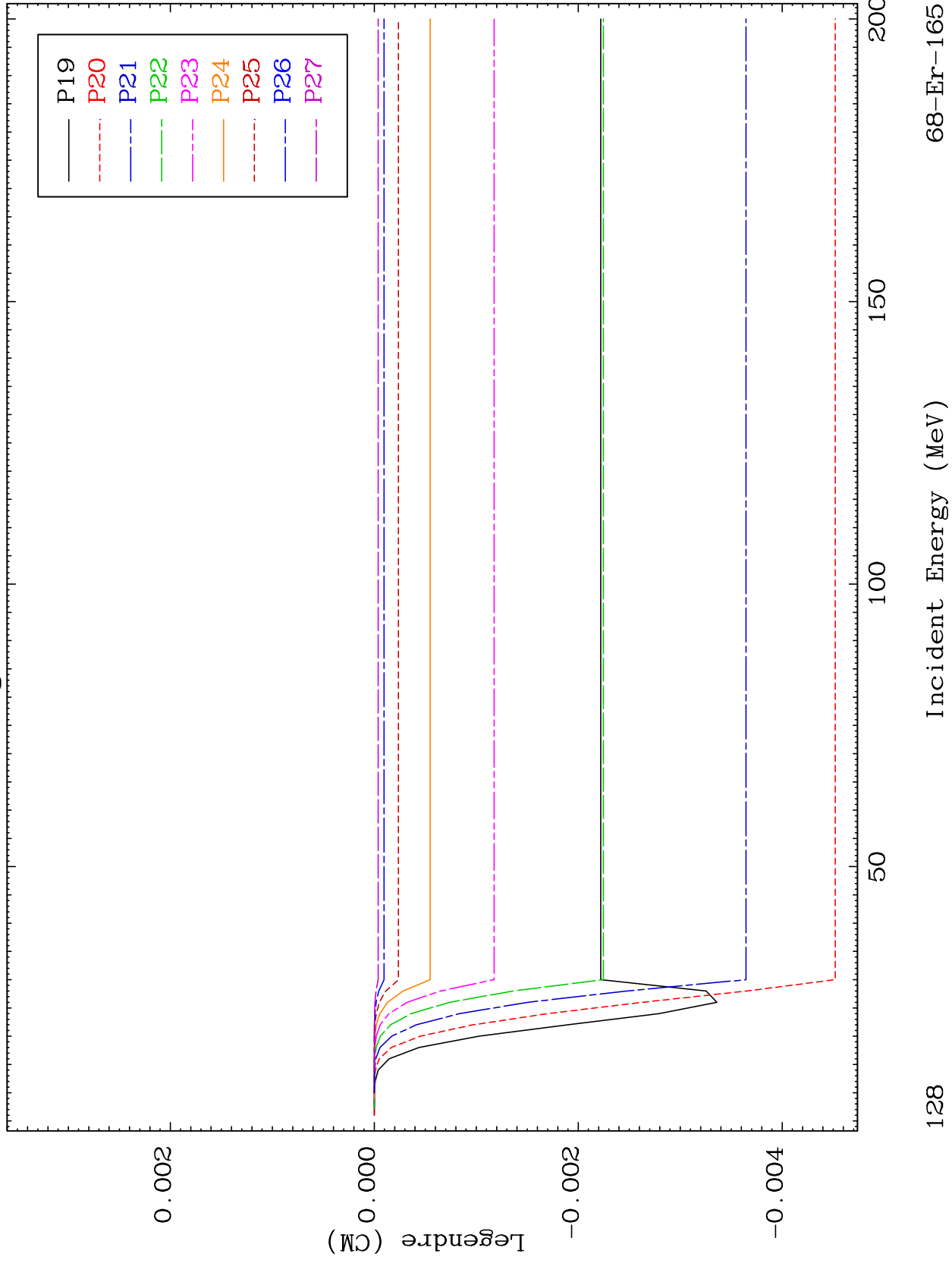
Incident Energy (MeV)

68-Er-165

MAT 6834

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

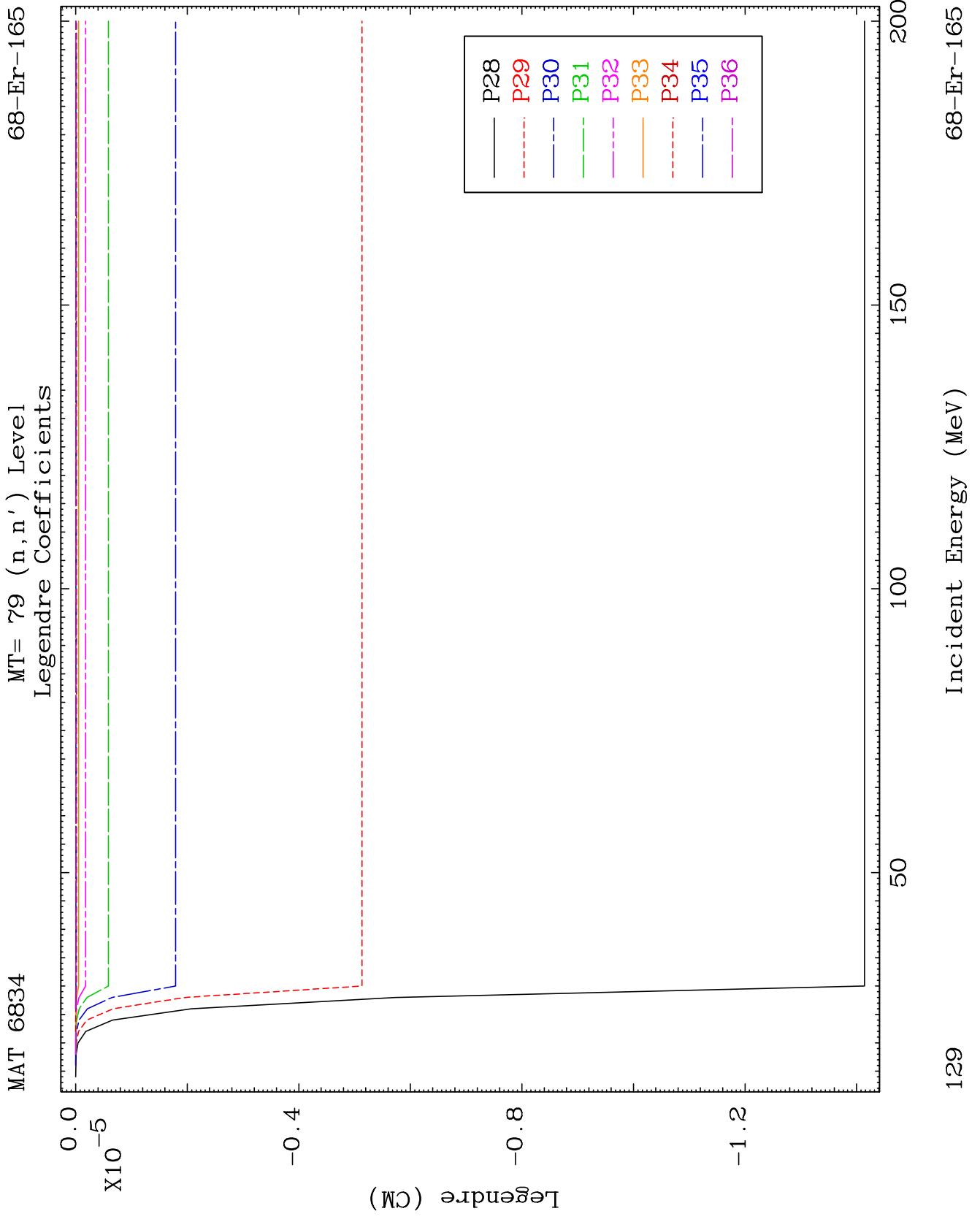
68-Er-165



128

Incident Energy (MeV)

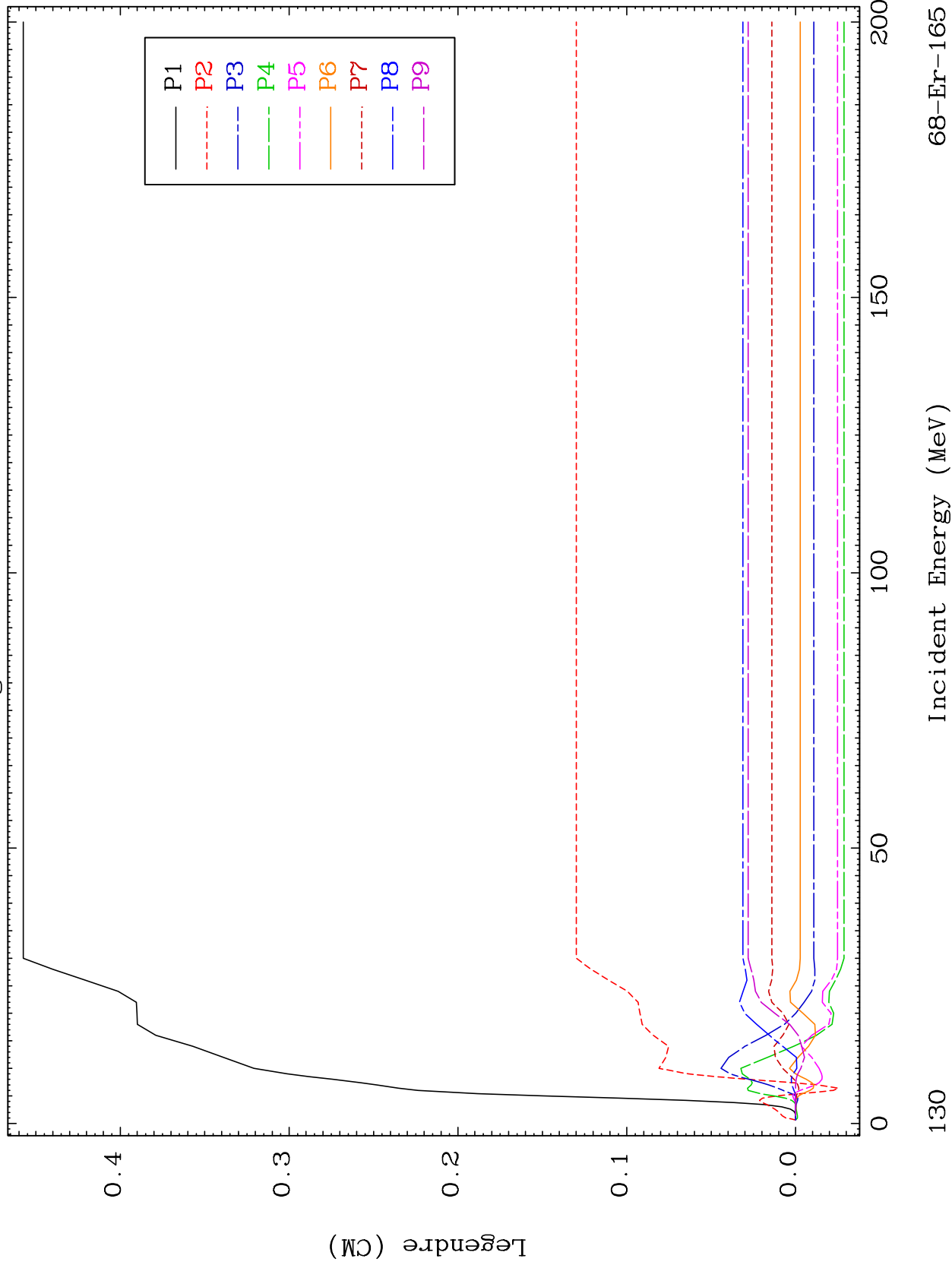
68-Er-165



MAT 6834

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

68-Er-165



68-Er-165

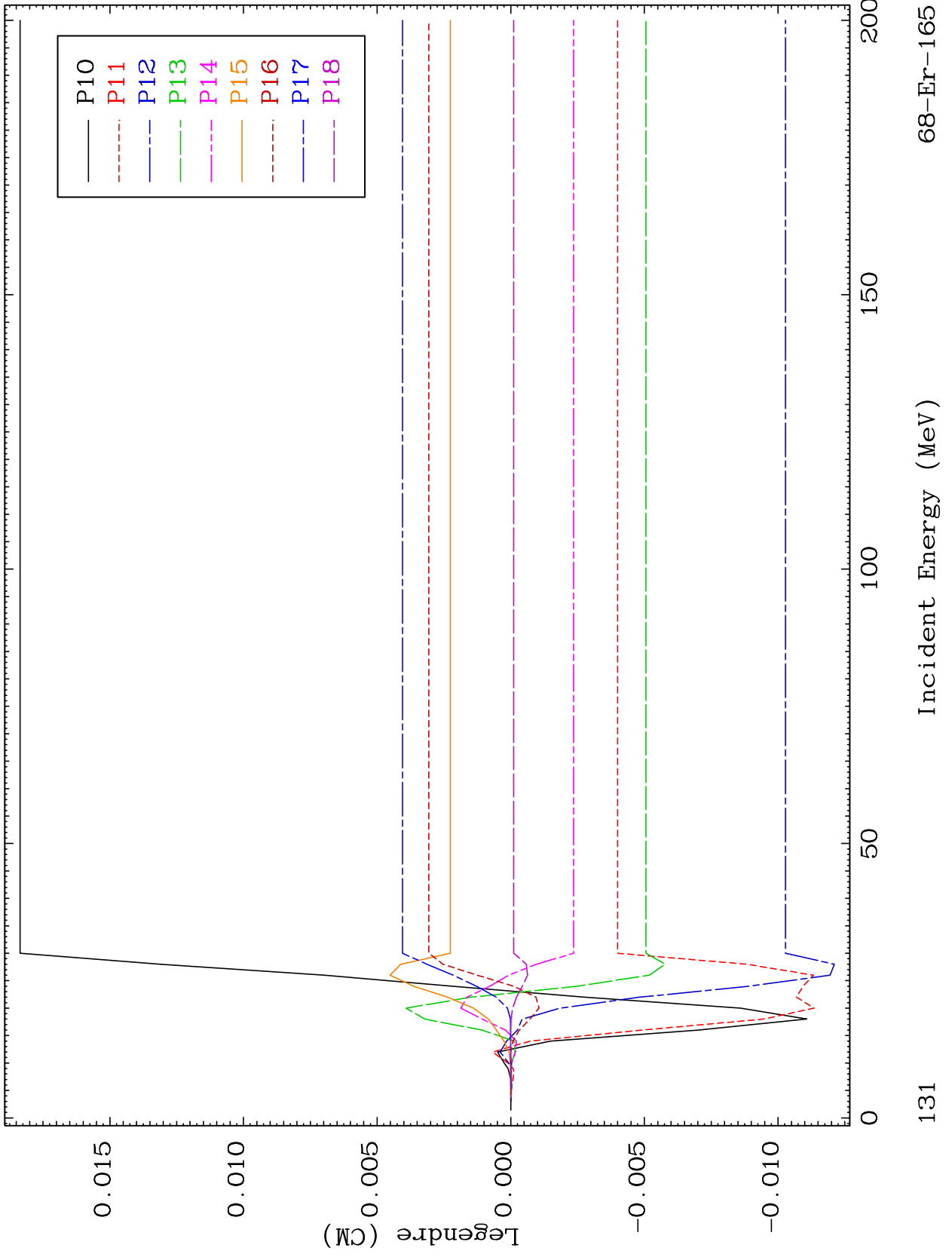
Incident Energy (MeV)

130

MAT 6834

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

68-Er-165



131

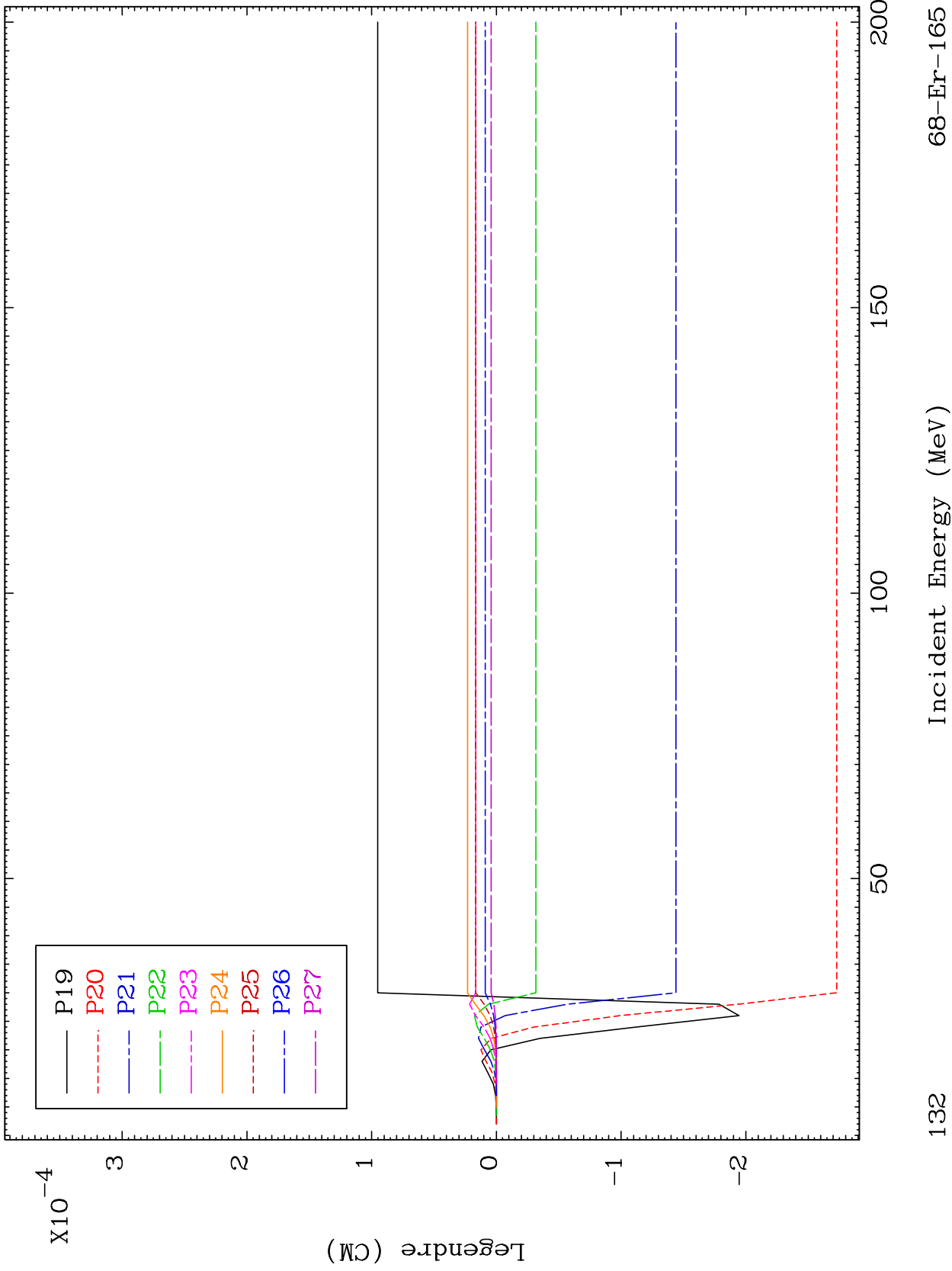
Incident Energy (MeV)

68-Er-165

MAT 6834

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

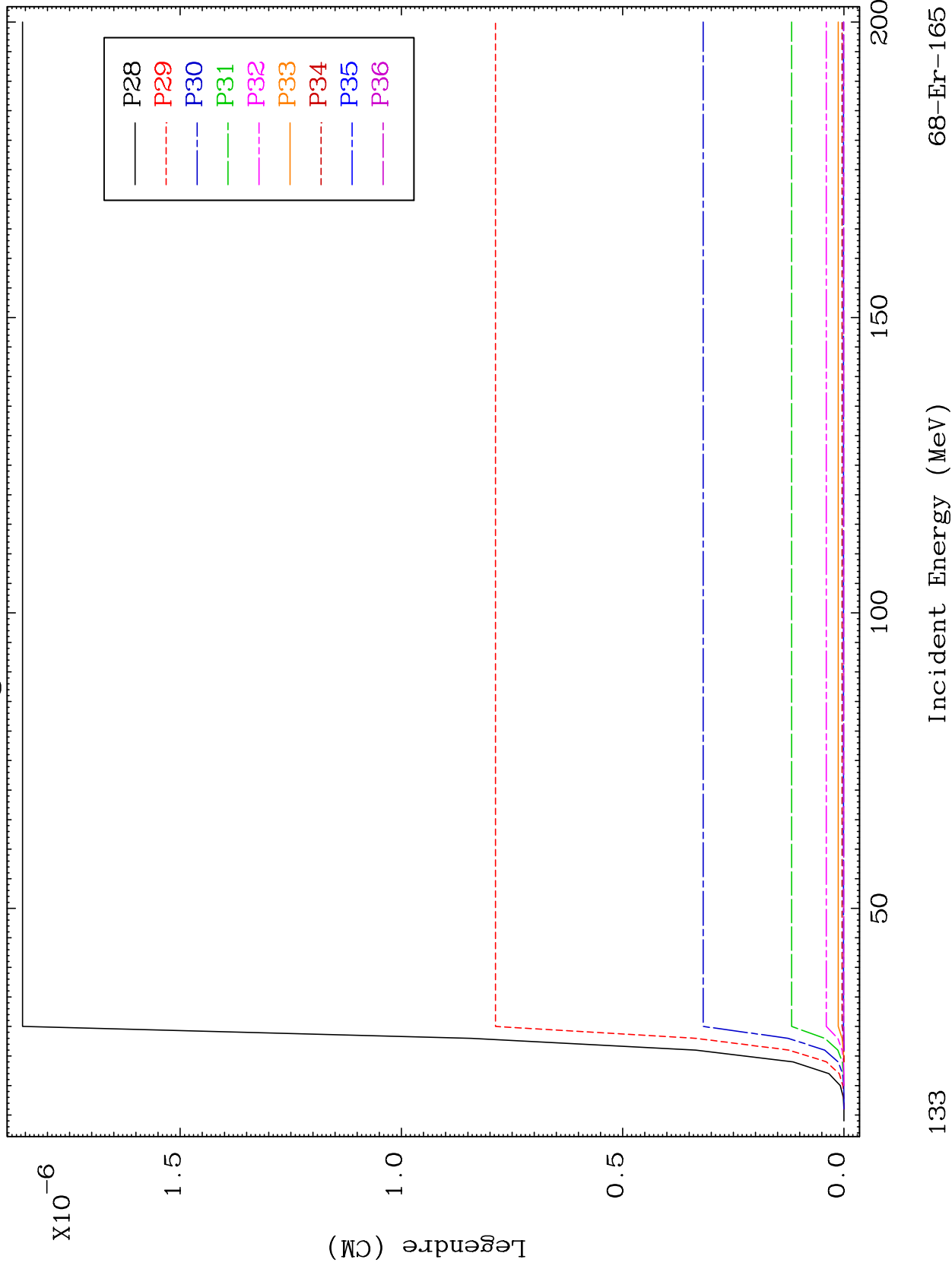
68-Er-165



MAT 6834

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

68-Er-165



133

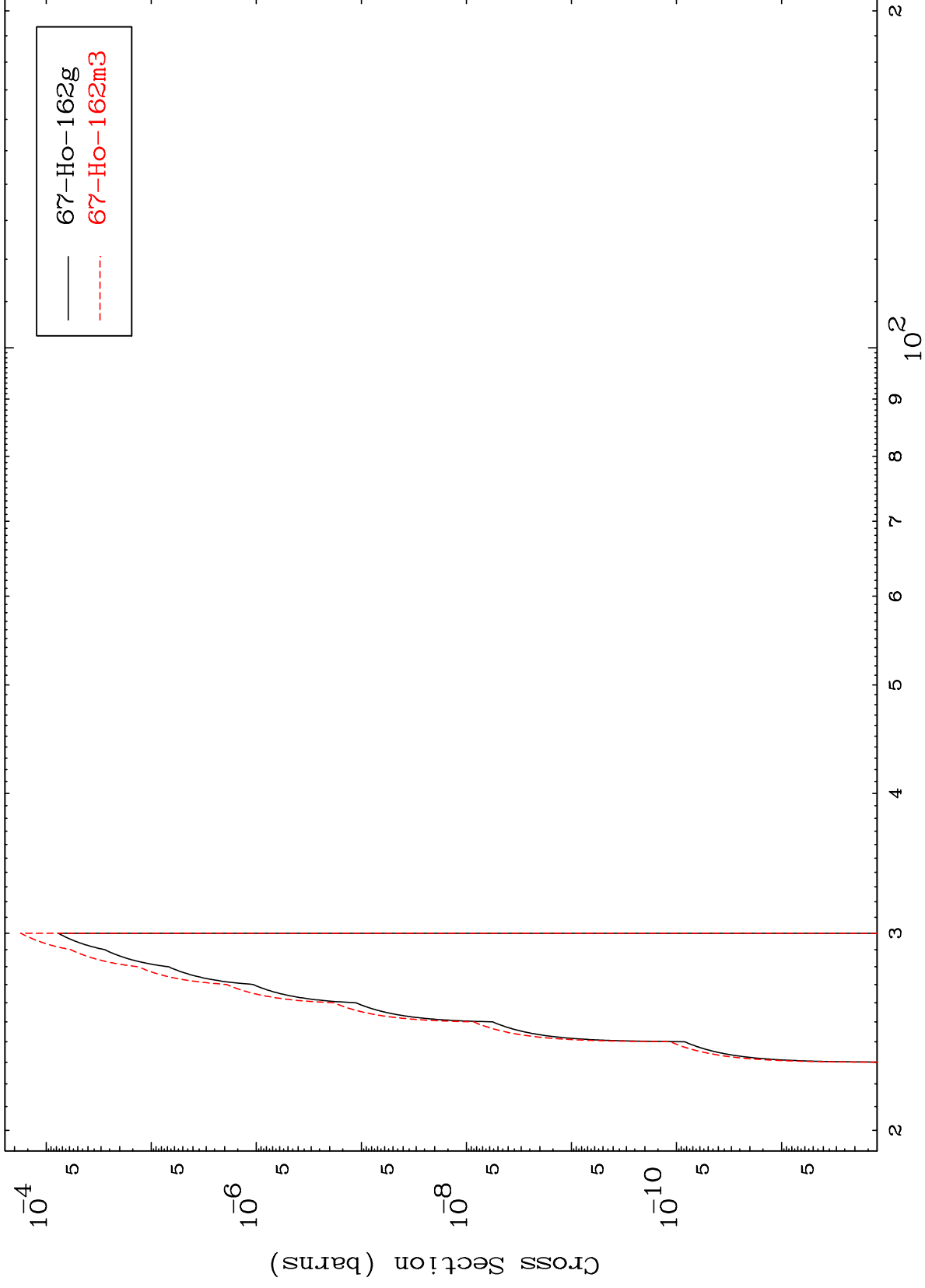
68-Er-165

MAT 6834

(n,2n) d

68-Er-165

Radionuclide Production Cross Section



134

Incident Energy (MeV)

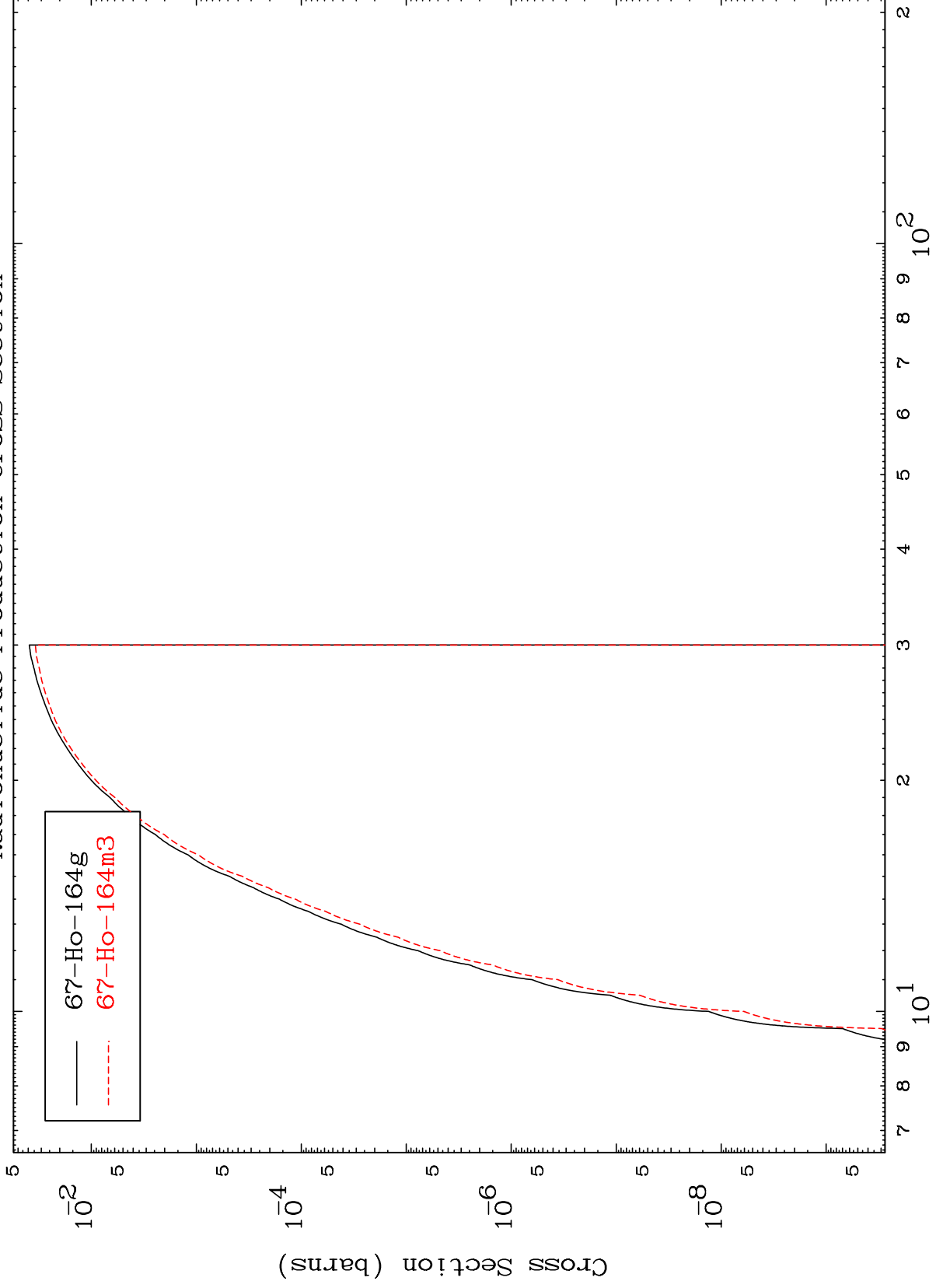
68-Er-165

MAT 6834

(n,n') p

68-Er-165

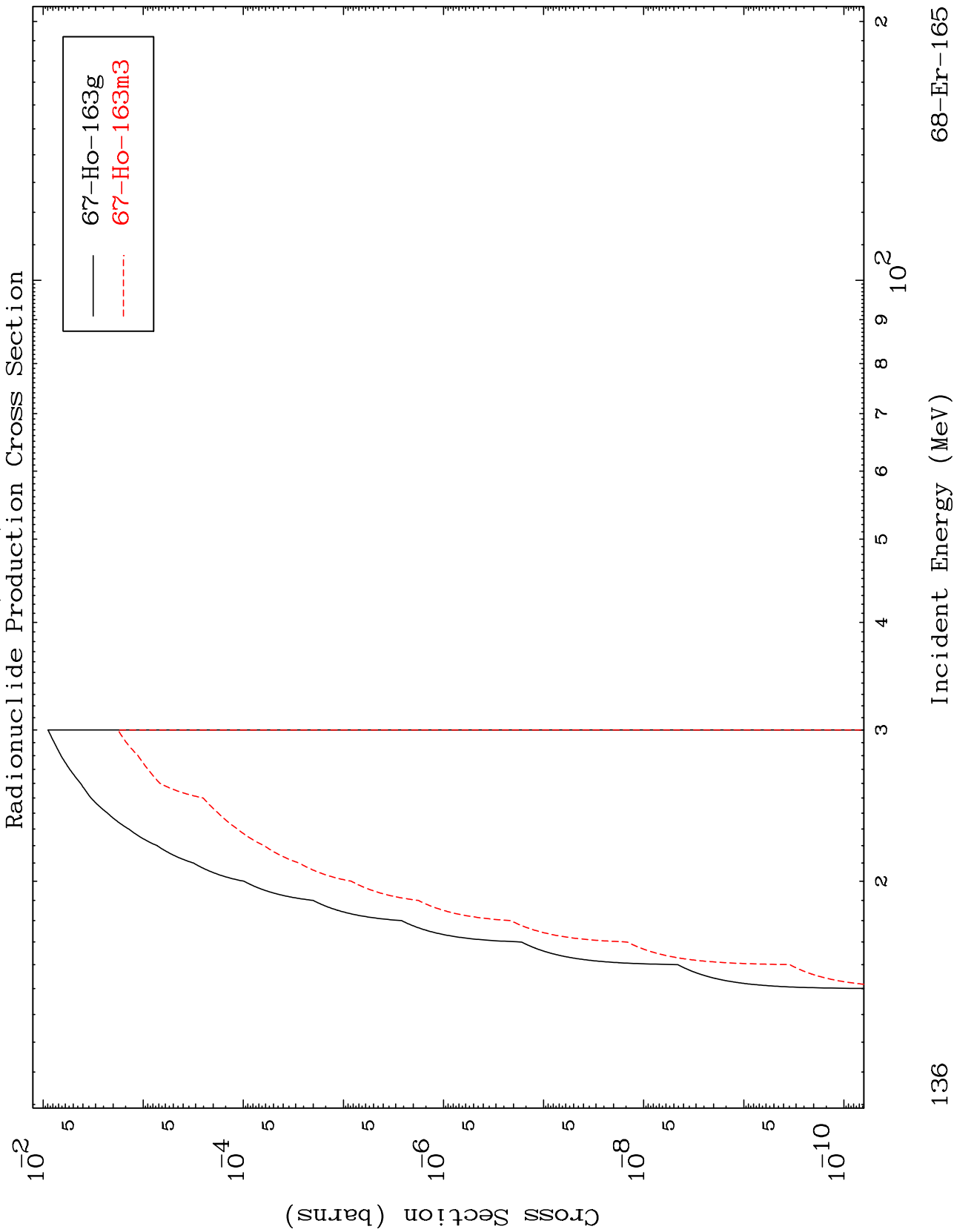
Radionuclide Production Cross Section



135

Incident Energy (MeV)

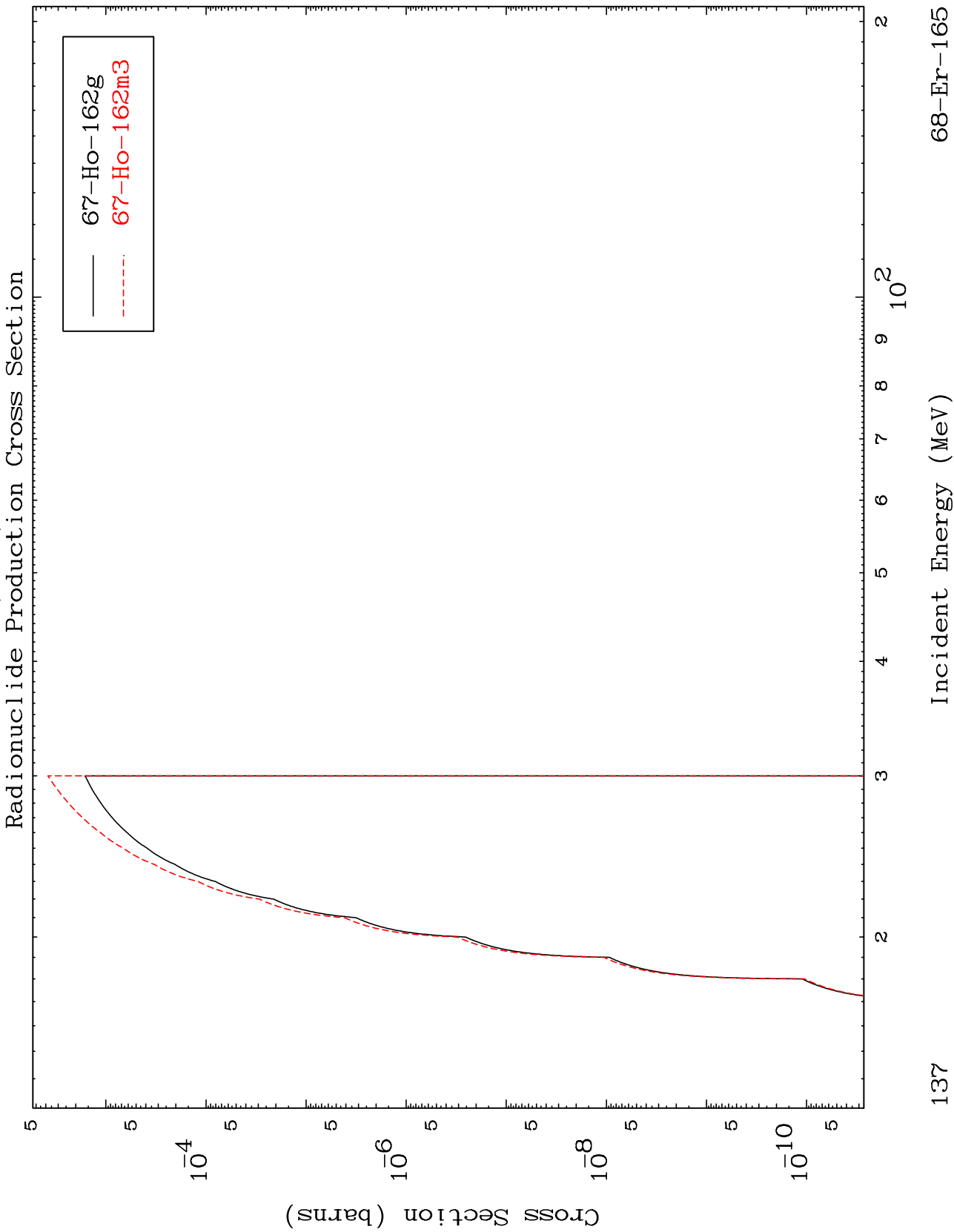
68-Er-165



MAT 6834

(n,n') t

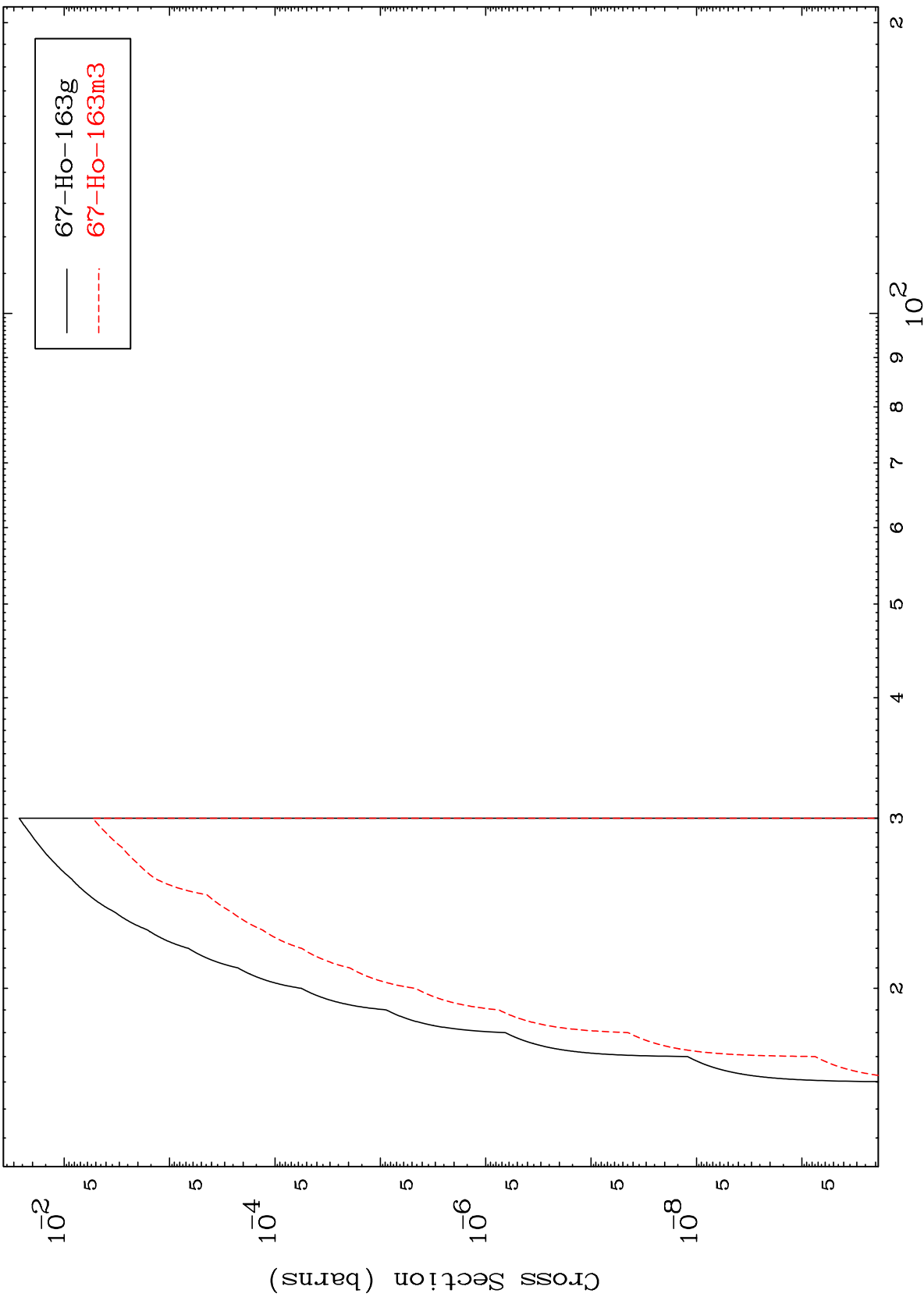
68-Er-165



137

68-Er-165

Radionuclide Production Cross Section

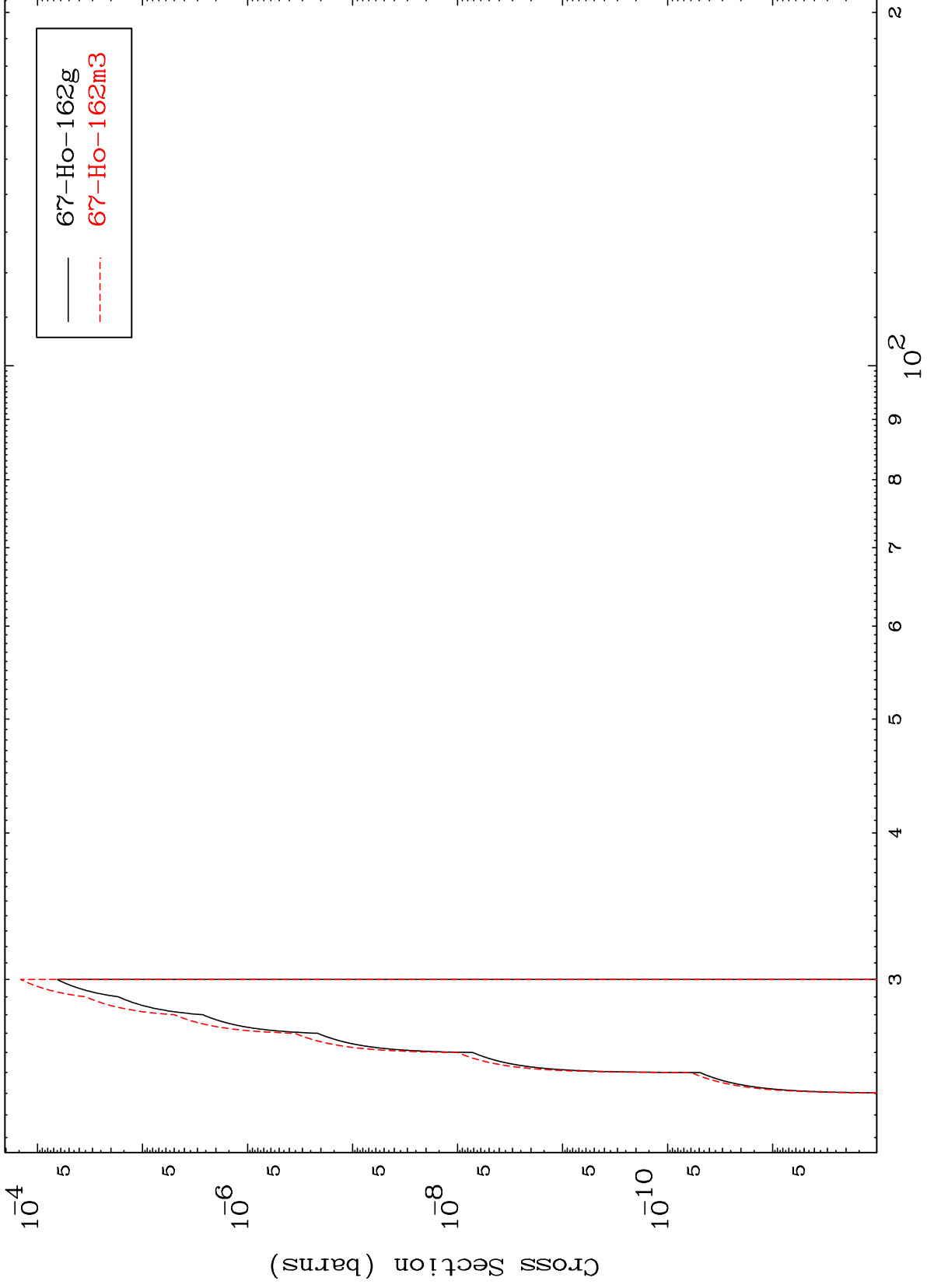


MAT 6834

(n,3n) p

68-Er-165

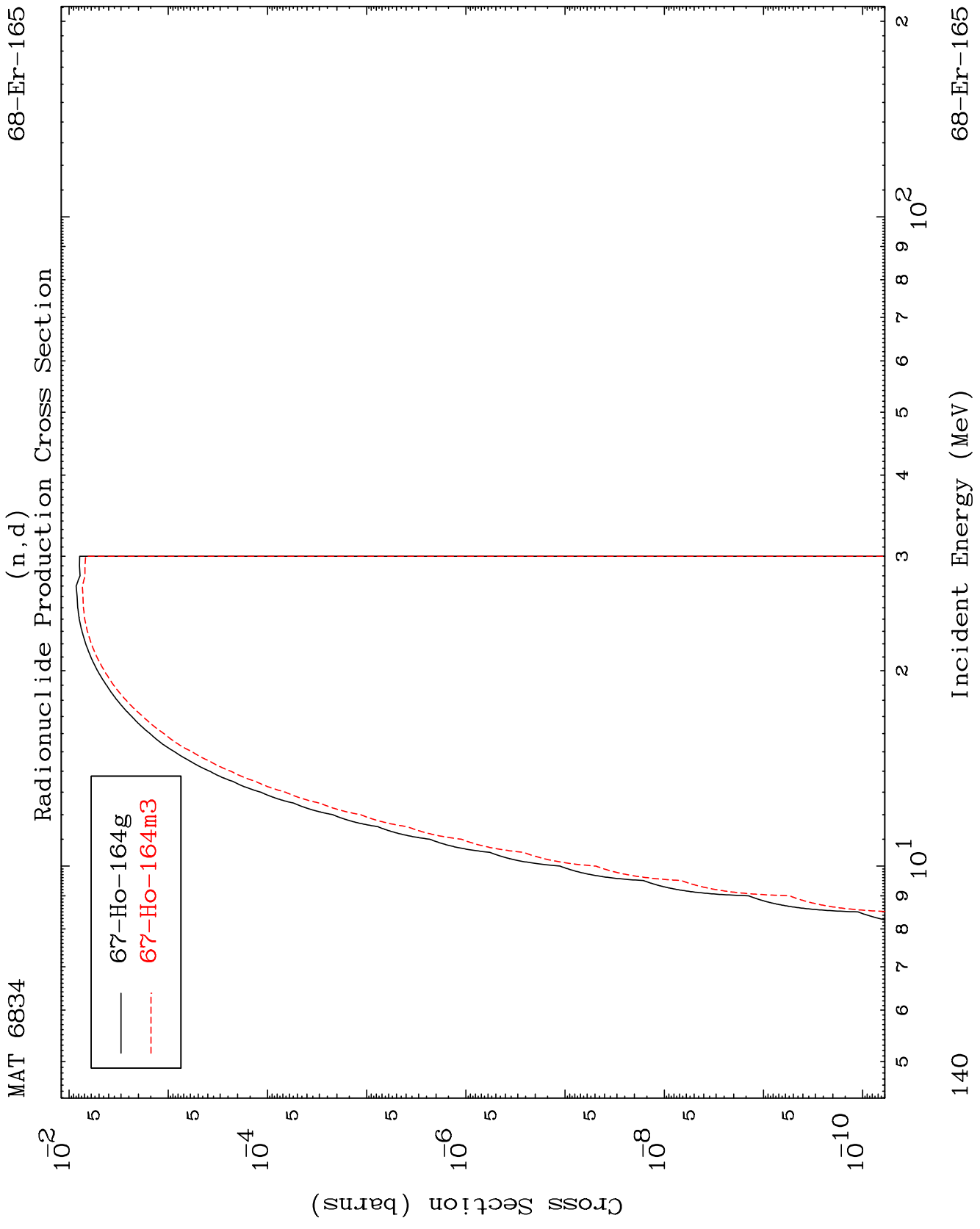
Radionuclide Production Cross Section



139

Incident Energy (MeV)

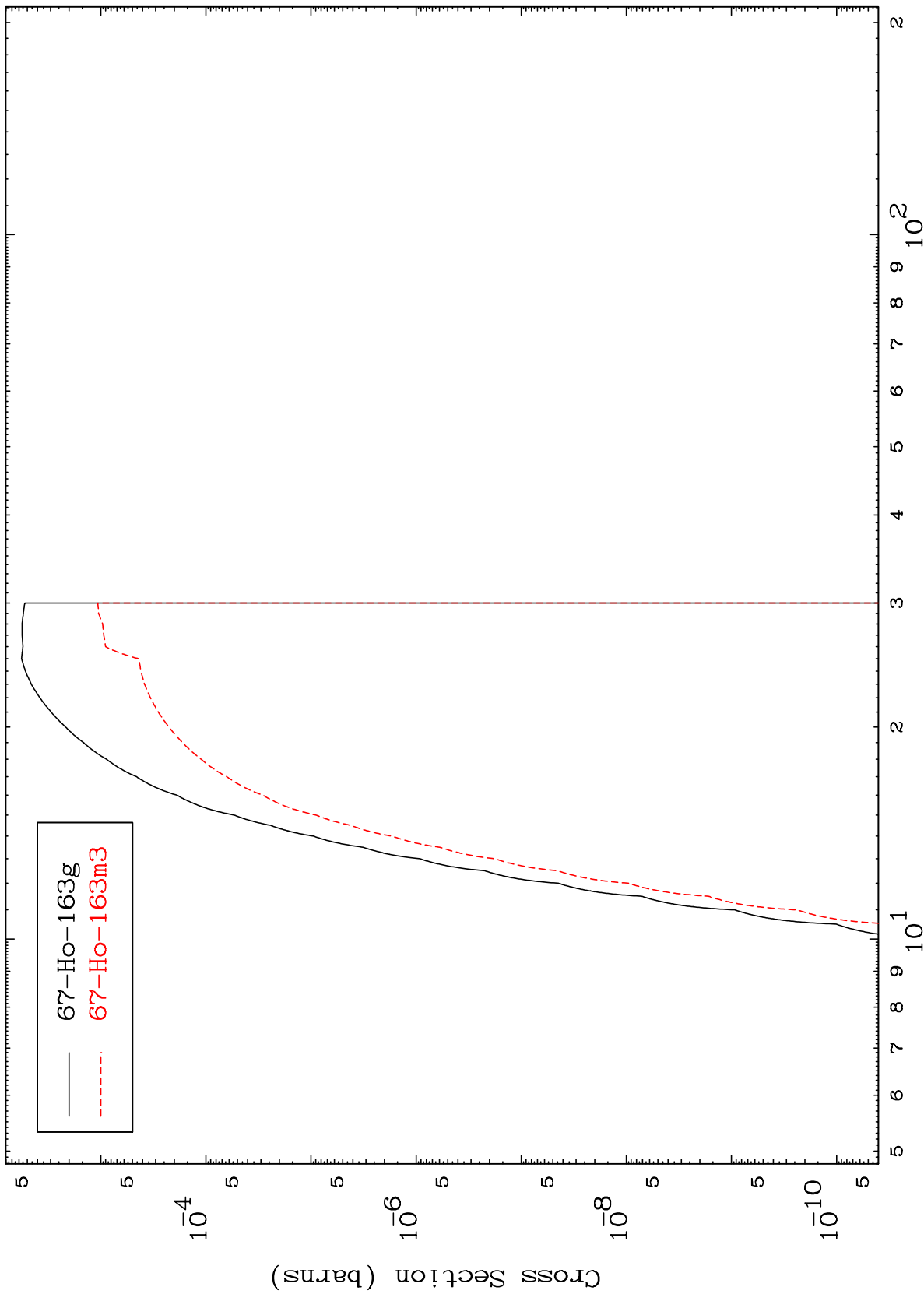
68-Er-165



MAT 6834

68-Er-165

(n, t)
Radionuclide Production Cross Section



141

Incident Energy (MeV)

68-Er-165