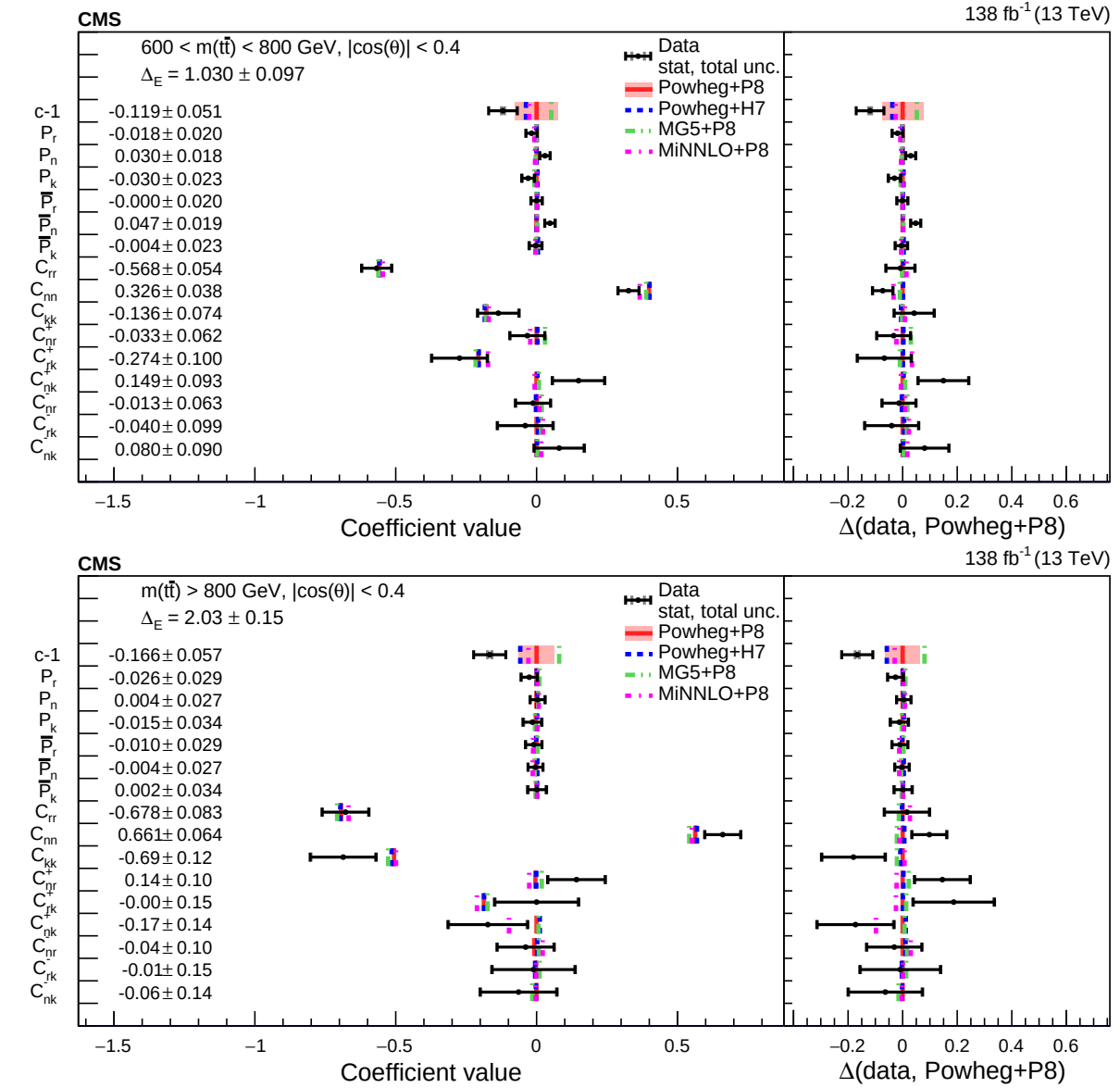
CMS
138 fb-1 (13 TeV)
600 < m(tt̄) < 800 GeV, |cos(θ)| < 0.4
ΔE = 1.030 ± 0.097
Data
stat, total unc.
Powheg+P8
Powheg+H7
MG5+P8
MiNNLO+P8
c-1 -0.119 ± 0.051
Pr -0.018 ± 0.020
Pn 0.030 ± 0.018
Pk -0.030 ± 0.023
P̄r -0.000 ± 0.020
P̄n 0.047 ± 0.019
P̄k -0.004 ± 0.023
Crr -0.568 ± 0.054
Cnn 0.326 ± 0.038
Ckk -0.136 ± 0.074
C+rk -0.033 ± 0.062
C−rk -0.274 ± 0.100
Cnk 0.149 ± 0.093
Cnr -0.013 ± 0.063
C−rk -0.040 ± 0.099
Cnk 0.080 ± 0.090
−1.5 −1 −0.5 0 0.5
Coefficient value
−0.2 0 0.2 0.4 0.6
Δ(data, Powheg+P8)
CMS
138 fb-1 (13 TeV)
m(tt̄) > 800 GeV, |cos(θ)| < 0.4
ΔE = 2.03 ± 0.15
Data
stat, total unc.
Powheg+P8
Powheg+H7
MG5+P8
MiNNLO+P8
c-1 -0.166 ± 0.057
Pr -0.026 ± 0.029
Pn 0.004 ± 0.027
Pk -0.015 ± 0.034
P̄r -0.010 ± 0.029
P̄n -0.004 ± 0.027
P̄k 0.002 ± 0.034
Crr -0.678 ± 0.083
Cnn 0.661 ± 0.064
Ckk -0.69 ± 0.12
C+rk 0.14 ± 0.10
C−rk -0.00 ± 0.15
Cnk -0.17 ± 0.14
Cnr -0.04 ± 0.10
C−rk -0.01 ± 0.15
Cnk -0.06 ± 0.14
−1.5 −1 −0.5 0 0.5
Coefficient value
−0.2 0 0.2 0.4 0.6
Δ(data, Powheg+P8)