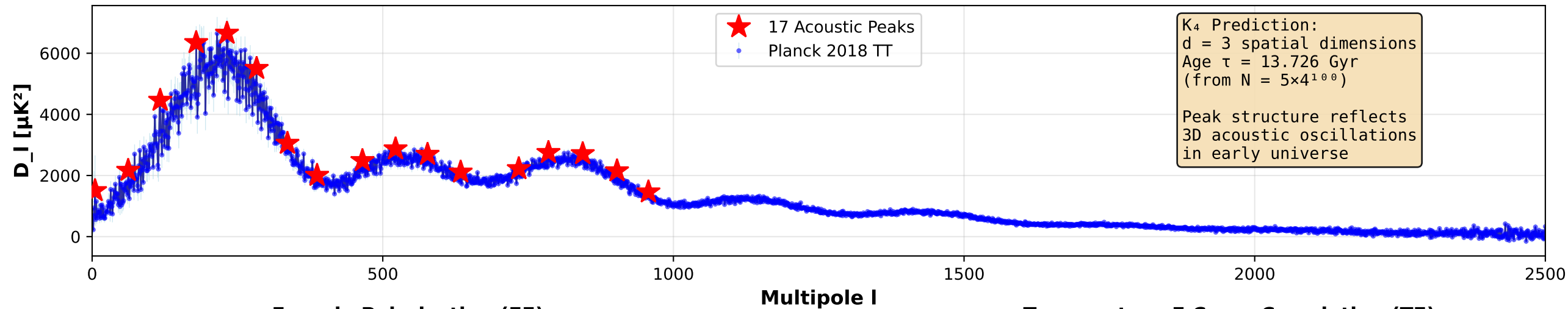


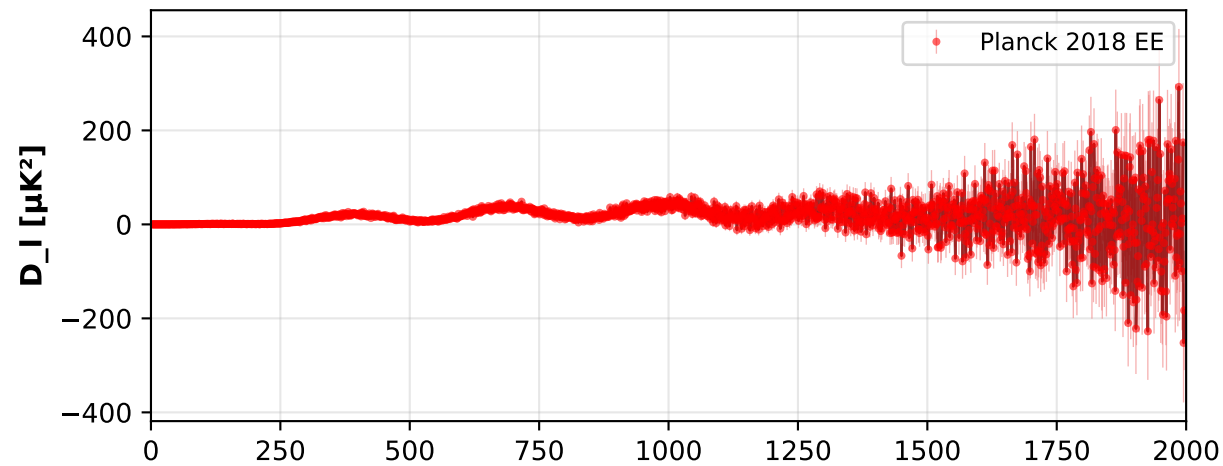
# FirstDistinction vs Planck 2018 CMB Observations

## K<sub>4</sub> Topology → d=3 Spatial Dimensions → Acoustic Peak Structure

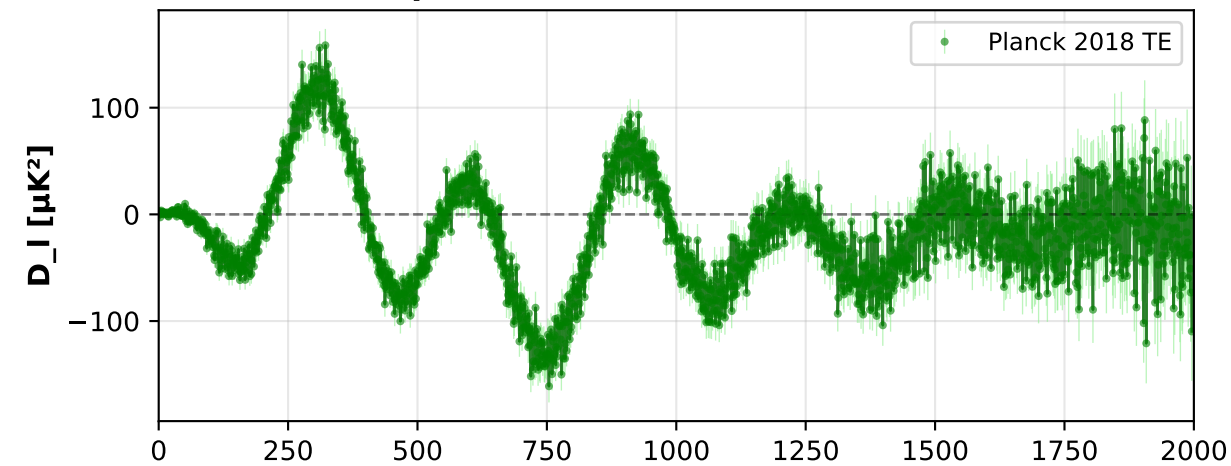
### Temperature Power Spectrum (TT) Real Data from Planck Satellite



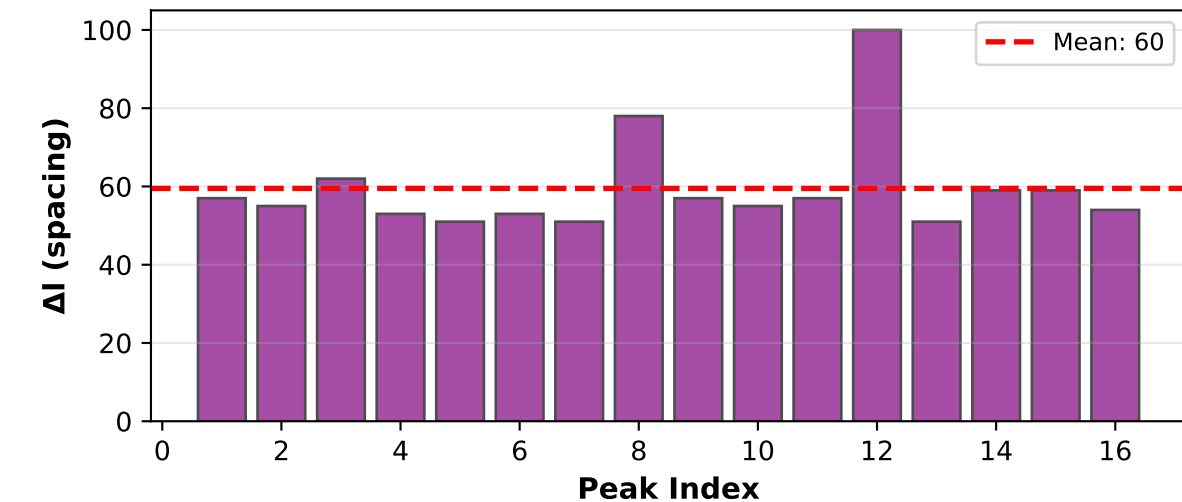
### E-mode Polarization (EE)



### Temperature-E Cross-Correlation (TE)



### Acoustic Peak Spacing (Tests d=3 Prediction)



### Low- $l$ : Sachs-Wolfe + ISW (Large-scale structure)

