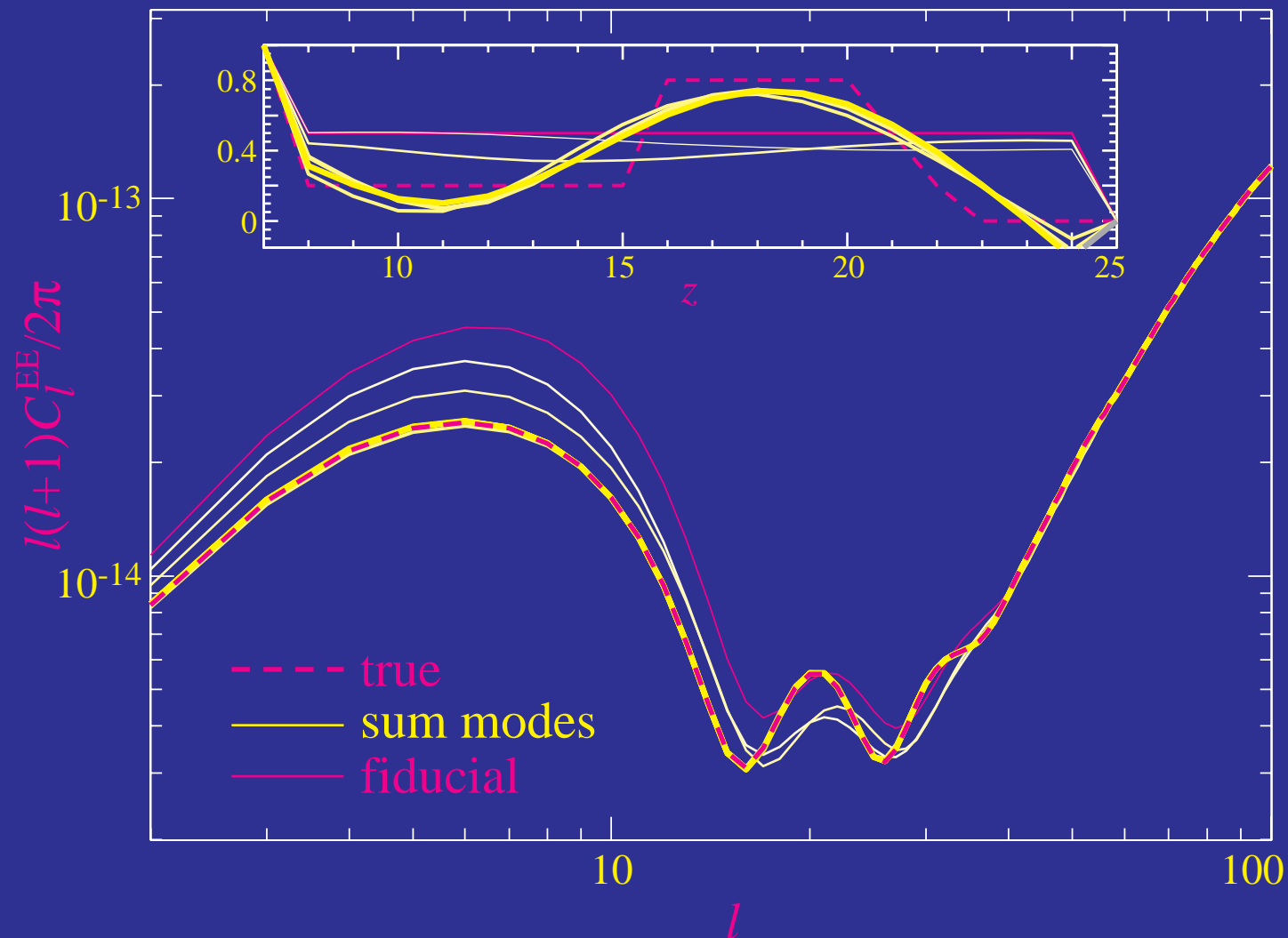


# Representation in Modes

- Reproduces the **power spectrum** with sum over  $>3$  modes  
more generally **5 modes** suffices: e.g. total  $\tau=0.1375$  vs **0.1377**



# WMAP5 Ionization PCs

- Only first **two modes** constrained,  $\tau=0.101\pm 0.017$

