

# Comparison Between Prediction and Measurements of the Angular Bispectrum of the Large Scale Structure

Antonino Troja

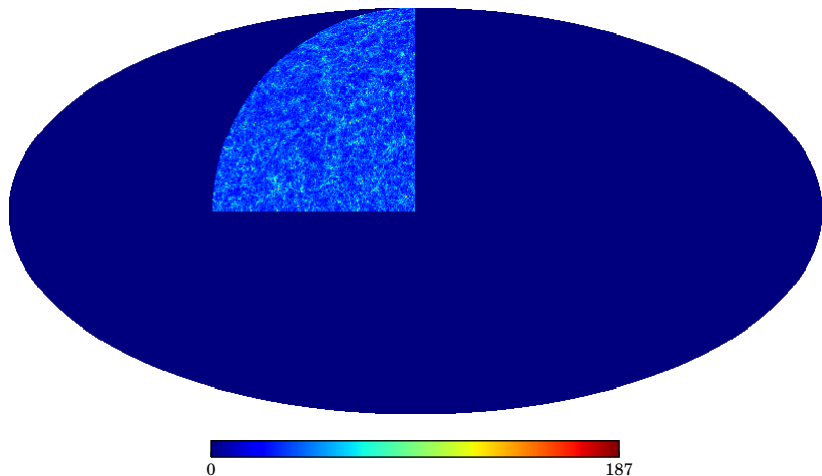
Statistical Challenges for  
Large-Scale Structure in the era of LSST

18 April 2018



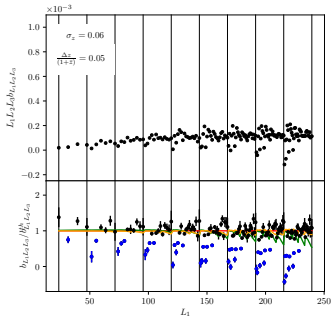
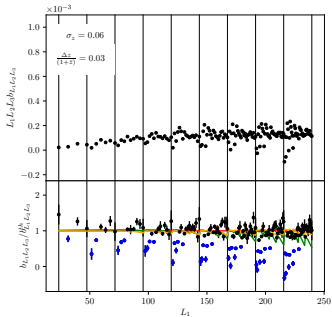
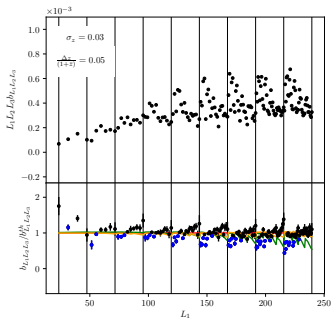
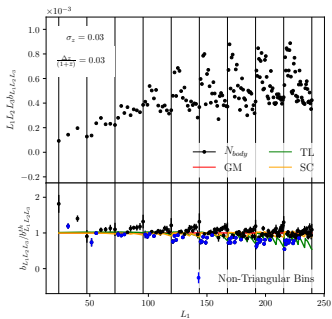
International Centre for Theoretical Physics  
South American Institute for Fundamental Research

Input

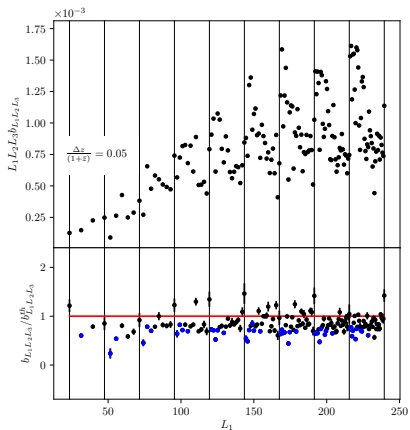
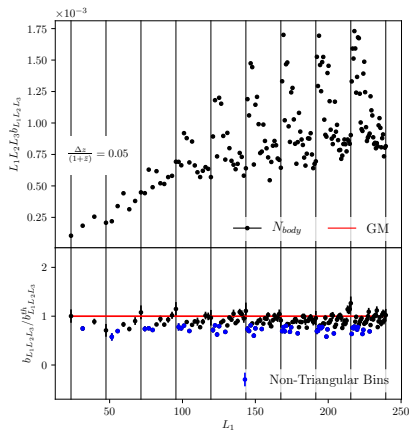


MICE simulation, Dark Matter particles,  $f_{sky} = 0.125$ .

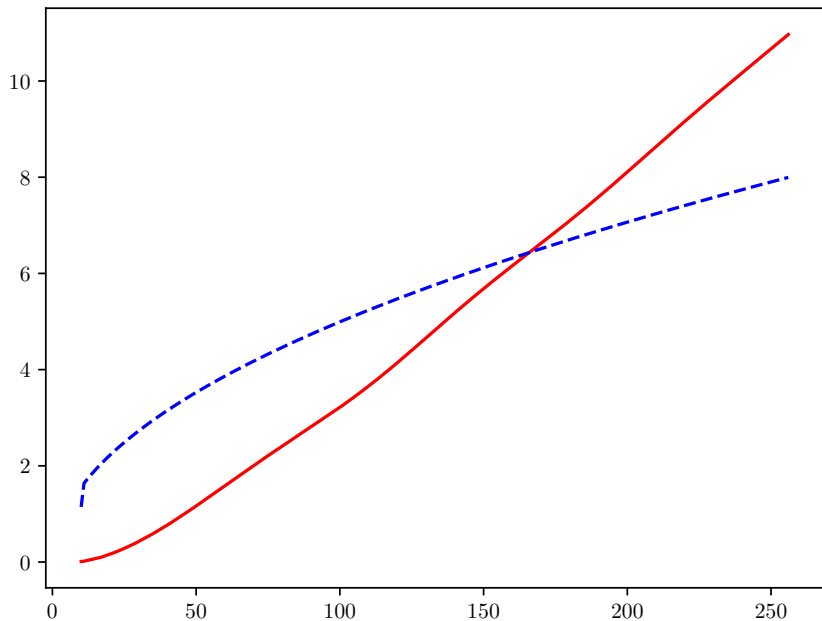
# Comparison Between Bispectra



# Case without Photo-z



# Signal to Noise



# Conclusions

- ▶ We are ready to pass to the next phase: Covariance matrix, Fisher forecasts, constraining parameters;
- ▶ In order to improve comparison at large-scales, we need a different approach for low- $l$  prediction (Assassi et al. (2017)).

Thank you  
for your attention!