

BeyondPlanck: Systematics and degeneracies in CMB observations and the importance of global analysis

Monday, 30 November 2020 18:25 (25 minutes)

I will summarize some of the main lessons learned from Planck regarding efficient identification and mitigation of systematic effects, which will be essential for future CMB B-mode experiments. I will in particular highlight the tight relationship between instrumental systematics and astrophysical modelling, and the importance of addressing both of these aspects jointly. The presentation will use the recent BeyondPlanck results as a concrete example of how this challenge may be addressed, but the main focus will be general and applicable to any CMB experiment and analysis pipeline.

Presenter: Prof. ERIKSEN, Hans Kristian (University of Oslo)

Session Classification: 1. Planck Heritage on systematics and calibration