

“CMB Cross-correlation WG meeting”

Orsay (Remote), March 19th, 20th, 2020

## **Introduction**

C. Baccigalupi & N. Aghanim

# How to run the remote meeting?

Experimental (at least for me!) so please share your experiences

Proposed “rules of conduct” to manage the remote meeting ... any other ideas?

- Mute when you don't speak
- Do not interrupt the speakers (presentations or interventions)
- Use chat for pointing out questions
- Give talks using the share function in zoom, pdf will be collected later to the wiki
- After the talks announce if you want to ask a question (people's names noted)
- Ask question when invited, refer to slide number
- Keep questions and answers short
- When all questions are addressed we check for reactions/questions if time is ok
- Use the chat tool for urgent messaging and comments
- Organisers review the chat regularly
- Take collaborative notes on the google document
- Break for at least 5mn every hour

# General information & updates

- Euclid consortium meeting early May→No cancelled (yet!) but very unlikely...
- Tracking tool:
  - difficult to see what people actually do,
  - claimed time looks often overestimated when compared with 'active' members
  - currently Nabila accessing and sharing infos with Carlo: it'd be simpler if both Nabila and Carlo have access!
  - need more specific description of activities most of them too vague
- Major issue with the NISP instrument (Grism)
  - Tiger team to explore the potential impact on Euclid schedule & possible solutions
  - Any information to share?
- Covid-19 crisis prompted closure of many labs/institutes
  - Likely impact on Euclid schedule?
  - No direct communication to us, yet, pre-launch KP review in progress
  - Any information to share?

# SWG organisation unchanged

## Probe-oriented WPs

- WP2: ISW effect, incl Likelihood
- WP3: Correlation of CMB lensing with LSS tracers, incl Likelihood
- WP4: Correlation of tSZ & kSZ with LSS tracers, incl Likelihood
- WP5: Correlation of CIB with LSS tracers, incl Likelihood

## Transverse WPs

- WP1 Simulations for CMBX → interface with SWG Sims
- WP6 Estimators & Likelihood → interface with IST-Likelihood
- Communication through
  - Two meetings per year: November @Italy / March @Orsay
  - telecons, Wiki, Slack channels → **TB reinforced during Covid-19 crisis**
  - Transverse activities with SWGs sims, clusters, clustering, lensing & ISTs (Forecast & Likelihood) → double membership **implies reporting to SWG**

# Goals of the meeting

- Keep momentum on CMBX WG activities
- Review the remaining activities to finish the forecast paper
- Review the ongoing activities
- Updates on the KP and associated activities
- Updates on the discussion with CMB experiments
- Plan/organise the work for the future weeks/months

Let's start by reviewing the agenda of the meeting & updates on speakers/talks, etc., shifts and changes according to needs are still possible!

## First day (March 19)

09:15 Introduction / info / updates (N. Aghanim, C. Baccigalupi)

09:30 Presentation of the Forecasts paper & discussions (Stephane Ilic)

11:30 **break**

11:45 Updates/Status of the CMBX KP document (N. Aghanim, C. Baccigalupi)

12:15 likelihood building (Lacasa, Natoli, ...)

12:45 **lunch**

14:00 Update on Simulations (Carbone, Calabrese, Fabbian, ...)

14:30 Update on Estimators of the ISW-galaxy cross-correlation: status; QML & PCL estimators (Marina Migliaccio, A. Gruppuso, ...)

15:00 Update on cross-correlation with voids (**TBC**)

15:30 **break**

15:45 Updates on cross-correlation with kSZ (Carlos Hernandez-Monteagudo **TBC**)

16:15 Updates on cross-correlation with tSZ (Nabila Aghanim **TBC**)

16:45 **end of the day**

## Second day (March 20)

09:15 Session with (15mn+5mn) contributed talks -> shorter slots if many proposed talks

\* slot1: Angular redshift fluctuation forecasts (Legrand)

\* slot2: Lensing ratio (Bermejo)

\* slot3: ???

\* slot4: ???

10:35 **Break**

10:45 Discussion on Key Projects (review, teams, activation of actions, ...) : All

13:00 **Lunch**

14:00 Update on the Interfaces with CMB Collaborations (Collaboration with SO) (Carlo Baccigaluppi, Giulio Fabbian, Nabila Aghanim)

14:45 Plans forward: Action lists, steps forwards with KP, Consortium meetings, etc.: All

15:30 End of the meeting

**END**