Second Parma meeting programme

Chairs: Alkistis, Ben, Chiara, Filippo, Guido, Kazuya, Marco B, Massimo

7-10 June 2022

Webpage: `https://indico.in2p3.fr/e/2ndPM`

Tue June 7, Morning (room 50):
Review of the two papers

Chair: Filippo

- 10:00 Introduction (Filippo)
- 10:05 Blessing message from THWG leads (Alessandra, Martin)
- 10:20 Presentation of KP-TH-1 paper 6 (Ben ++)
- 11:00 Discussion
- 11:30 Coffee
- 12:00 Presentation of KP-JC-6 paper 3 (Guido ++)
- 12:40 Discussion
- 13:00 Lunch

Tue June 7, Afternoon (room 35):
Discussion on the two papers, potential overlaps, missing items

Chair: Massimo

- 14:30 Introduction (Massimo)
- 14:35 Validation with IST-F (Filippo, Alessandra)

- 15:00 **Potential overlaps between KP-TH-1 P1/P6 and KP-JC-6 P3**

- 15:30 Coffee

- 16:00 **Missing Items**

- 16:05 Scale dependence: approximations, bias modelling, resummation (Ben, Marco, Massimo ++)

- 16:30 Other topics emerged from the morning session (Copter/PyBird/PBJ comparisons; Covariance; Simulations used in the two papers;...)

- 17:00 Initial conditions, features...

- 17:30: End of the day

1 *Wed June 8, Morning (room 50):* Theoretical modelling

Chair: Kazuya

- 10:00 Discussion on primordial non-Gaussianity (Emiliano)

- 10:15 BOSS analysis with PyBird (Lorenzo)

- 10:30 BOSS analyss with PBJ (Chiara)

- 10:45 Implementation of modified growth in CLOE (Lucia)

- 11:00 Discussions: Towards likelihood analysis, CLOE implementation

- 11:30 Coffee

- 12:00 Open issues (Model independent approach, RSD modelling (Full modeling v template fitting), bias, massive neutrinos, EdS approximation/2-loop, IR resummmation, etc)

- 13:00 Lunch

2 *Wed June 8, Afternoon (room 50):* Session on KP-TH-1 P6

Chair: Ben

- 14:30 Assignment and review of tasks found on slide 24

- 14:40 Work on tasks

- 15:45 Coffee

- 16:00 Work on tasks

- 17:30: End of the day

3 *Thu June 9, Morning (room 50):* Simulations

Chair: Marco B

- 10:00 Introduction (M. Baldi)

- 10:10 Status of mock production for non-standard simulations (Michel-Andrès)

- 10:30 Presentation of available non-standard simulation sets (Marco, Melita, Michel-Andrès, Kazuya, Christian)

- 11:10 Coffee

- 11:40 Presentation of the analysis pipeline: DenHF + nbodykit (Carlo, Elisabetta)

- 12:10 Talk on Flagship Analysis (Lorenzo, Chiara)

- 12:40 Discussion

- 13:00 Lunch

4 *Thu June 9, Afternoon (room 50):* Session on KP-JC-6 P3

Chair: Guido

- 14:30 Discussion of how to match the PyBird and PBJ analyses

- 15:00 Work on tasks for null tests (synthetic data, best fits)

- 17:30 End of the day

5 *Fri June 10, Morning (room 35):* Coding session

Chair: Chiara

- 10:00 Presentation: the IST:NL model library for the spectroscopic probe + discussion

- 10:30 Coding session / remaining tasks

- 13:00 Lunch

6 *Fri June 10, Afternoon (room 35):* Conclusions of the meeting and future

Chair: Alkistis

- 14:30 Results of the coding sessions (Ben, Marco)

- 15:00 Presentation: the IST:NL model library for photometric probes – current status and MCMC tests (Santiago)

- 15:30 Photometric probes for non-standard models (Kazuya)

- 15:50 Break

- 16:10 "DR0" challenge discussion (Alkistis and all)

- 17:00 End of the meeting