

The 4th joint meeting of eBOSS-DESI France



Rapport sur les contributions

The 4th joint mee ... / Rapport sur les contributions

DT-Voids and BAO

ID de Contribution: 1

Type: Non spécifié

DT-Voids and BAO

jeudi 4 octobre 2018 14:20 (20 minutes)

Status of work

Auteur principal: Mme TAO, Charling (CPPM)

Orateur: Mme TAO, Charling (CPPM)

Classification de Session: LAM Day

The 4th joint mee ... / Rapport sur les contributions

Observations in Cosmology

ID de Contribution: 2

Type: Non spécifié

Observations in Cosmology

jeudi 4 octobre 2018 14:00 (20 minutes)

In the era of upcoming redshift surveys, the sky will be more revealing than ever! In this talk, I will summarise standard and non standard observational methods and scenarios.

Auteur principal: NTELIS, Pierros (CPPM)

Orateur: NTELIS, Pierros (CPPM)

Classification de Session: LAM Day

The 4th joint mee ... / Rapport sur les contributions

The Study of Galaxies in Absorpti ...

ID de Contribution: 3

Type: Non spécifié

The Study of Galaxies in Absorption and their use as a tracer.

vendredi 5 octobre 2018 11:30 (20 minutes)

I will discuss latest results on the properties of galaxies traced by the strong Lyman-alpha forest absorption and, on combining them with Damped Lyman alpha forest absorbers, their use as a BAO tracer.

Auteur principal: PIERI, Matthew (Laboratoire d'Astrophysique de Marseille)

Orateur: PIERI, Matthew (Laboratoire d'Astrophysique de Marseille)

Classification de Session: CPPM Day

ID de Contribution: 4

Type: **Non spécifié**

DLA bias as a function of DLA properties

vendredi 5 octobre 2018 10:40 (20 minutes)

I am going to present the latest measurements of the DLA bias. In particular I'll present its evolution with redshift, column density of the DLAs, and the metal strength of the DLAs. The metal strength is defined from an average of equivalent widths of the strongest detectable low-ionization metal lines. These results confirm the physical origin of the relation of bias factors measured from cross-correlation studies to the host halos of the absorbers.

Auteur principal: PÉREZ-RÀFOLS, Ignasi (LAM, Marseille)

Orateur: PÉREZ-RÀFOLS, Ignasi (LAM, Marseille)

Classification de Session: CPPM Day

ID de Contribution: 5

Type: Non spécifié

Quasar identification with SQUEzE

jeudi 4 octobre 2018 16:10 (20 minutes)

We present the current performance of the machine-learning code, SQUEzE, to identify quasars and estimate their redshift. We compare its performance with that of QuasarNet and conclude that, while it may not be as accurate as QuasarNet, it is lighter and more flexible

Auteur principal: PÉREZ-RÀFOLS, Ignasi (LAM, Marseille)

Orateur: PÉREZ-RÀFOLS, Ignasi (LAM, Marseille)

Classification de Session: LAM Day

ID de Contribution: **6**

Type: **Non spécifié**

DESxeBOSS gravity test discussion

jeudi 4 octobre 2018 15:50 (20 minutes)

In this session, I will briefly mention my plans for this project, and try to set up a schedule for the analysis.

Auteur principal: JULLO, Eric (LAM)

Orateur: JULLO, Eric (LAM)

Classification de Session: LAM Day

The 4th joint mee ... / Rapport sur les contributions

1D power spectrum from Lyα fore ...

ID de Contribution: 7

Type: Non spécifié

1D power spectrum from Lyα forest with eBOSS quasars

vendredi 5 octobre 2018 11:50 (20 minutes)

Presentation of the analysis of the 1D power spectrum from the lyman alpha forest with DR14

Auteur principal: CHABANIER, Solène (CEA Saclay)

Orateur: CHABANIER, Solène (CEA Saclay)

Classification de Session: CPPM Day

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Measurment of the BAO with Lya ...

ID de Contribution: **8**

Type: **Non spécifié**

Measurment of the BAO with Lya auto and cross correlation functions

vendredi 5 octobre 2018 10:00 (20 minutes)

I will present the current status of the Lya group

Auteur principal: Mme DE SAINTE AGATHE , victoria (LPNHE)

Orateur: Mme DE SAINTE AGATHE , victoria (LPNHE)

Classification de Session: CPPM Day

ID de Contribution: 9

Type: Non spécifié

Measuring Large-Scale Inhomogeneities of Metals

vendredi 5 octobre 2018 10:20 (20 minutes)

We are measuring the large scale of inhomogeneity of metals, which are expected to be associated with large scale proximity to quasars. These inhomogeneities are currently traced by combining oxygen, helium and hydrogen absorption, but in the future they will refer to directly observed quasar positions.

Auteur principal: MORRISON, Sean (LAM)

Co-auteurs: PIERI, Matthew (Laboratoire d'Astrophysique de Marseille); SYPHERS, David

Orateur: MORRISON, Sean (LAM)

Classification de Session: CPPM Day

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Study of the void related systemat ...

ID de Contribution: **10**

Type: **Non spécifié**

Study of the void related systematics in the Alcock-Paczynski test

jeudi 4 octobre 2018 14:40 (20 minutes)

The Alcock-Paczynski test is a very simple yet powerful tool to constraint cosmology when applied to voids. In this talk, I will present preliminary work accomplished in order to master void related systematics in the Alcock-Paczynski test.

Auteur principal: AUBERT, Marie (CPPM)

Orateur: AUBERT, Marie (CPPM)

Classification de Session: LAM Day

ID de Contribution: **11**

Type: **Non spécifié**

Measuring the growth rate of structure with cosmic voids in GAMA

jeudi 4 octobre 2018 15:30 (20 minutes)

We measure the cross correlation of voids and galaxies in the Galaxy And Mass Assembly (GAMA) survey. This cross correlation exhibits an anisotropy indicative of redshift space distortions (RSD) caused by galaxies falling from the centres of voids onto the surrounding mass. We introduce a model for the multipoles of the void-galaxy cross correlation function that allows for void positions to be subject to RSD themselves. We fit this model to the data and measure the growth rate parameter associated with galaxies, $\beta_g = 0.481^{+0.049}_{-0.048}$, finding no strong evidence for void motions.

I will also present some plans for voids in the eBOSS/DES overlap.

Auteur principal: Dr HAWKEN, Adam (CPPM)

Orateur: Dr HAWKEN, Adam (CPPM)

Classification de Session: LAM Day

The 4th joint mee ... / Rapport sur les contributions

eBOSS-DESI France Planning Disc ...

ID de Contribution: **12**

Type: **Non spécifié**

eBOSS-DESI France Planning Discussion

vendredi 5 octobre 2018 12:10 (50 minutes)

Classification de Session: CPPM Day