

# WEAVE-QSO Virtual Meeting, Sept 2021

All times are given in CEST from 2pm - 5.20pm. All talks are 10-15 minutes (leave time for questions).

Zoom link for all 3 days:

<https://univ-amu-fr.zoom.us/j/94846863013?pwd=cEM2TUVvTm1LaW9rbldlak5mUElpQT09>

Slides drop: <https://nuage.osupytheas.fr/s/Epe3mGimFMCR6A3>

Slide viewing: <https://nuage.osupytheas.fr/s/2Xp5rdXGRnTideF>

## Wednesday 8th September

Chair: Ignasi

2:00 - 2:40pm Mat Pieri

2:40 - 3:00pm JK Krogager

3:00 - 3:20pm Silvia Bonoli

COFFEE BREAK

Chair: Raul

3:40 - 4:00pm Jonas Chaves-Montero

4:00 - 4:20pm Carolina Queiroz

4.20 - 4:40pm Natalia Rodriques

4.40 - 5:00pm Gines Martinez Solaeche

5:00 - 5:20pm Ignasi Pérez Ràfols

Welcome and introduction to WEAVE-QSO

WEAVE-QSO High Resolution Mode

Finding quasars with J-PAS

SMBH masses from single-epoch photometry

Quasar mock catalogs for miniJPAS

Classifying Quasars, Stars and Galaxies with CNN

QSO/Galaxy/Star classification with ANN

Quasar targets from JPAS: combined algorithm

## Thursday 9th September

Chair: Silvia

2:00 - 2:40pm Sean Morrison

2:00 - 2:20pm Prakash Gaikwad

2:40 - 3:00pm Alessia Longobardi

3:00 - 3:20pm Raul Abramo

3:20 - 3:40pm Sebastian von Hausegger

COFFEE BREAK

Chair: Vid

4:00 - 4:20pm Ignasi Pérez Ràfols

4.20 - 4:40pm Clotilde Laigle

4.40 - 5:00pm Katarina Kraljic

5:00 - 5:20pm Discussion 1

WEAVE-QSO Data Flow

Generating mocks for WEAVE QSO Survey

Simulating absorbers' profiles with PCA

Cosmology with high-z quasars

Testing the Cosmological Principle

BAO: current status and future

Cosmic web tomography with WEAVE-QSO

Mapping the cosmic web with Ly-alpha tomography

Reviewing our MOS survey strategy

## Friday 10th September

Chair: Clotilde

2:00 - 2:40pm Michele Fumagalli

2:00 - 2:20pm Mat Pieri

2:40 - 3:00pm Rajeshwari Dutta

3:00 - 3:20pm Emma Lofthouse

3:20 - 3:40pm Matteo Fossati

COFFEE BREAK

Chair: Michele

4:00 - 4:20pm Vid Irsic

4.20 - 4:40pm Alexey Boyarsky

4.40 - 5:00pm José Oñorbe

5:00 - 5:20pm Discussion 2

Linking gas and galaxies

Using strong-blended Ly $\alpha$  systems to probe the CGM

Metal-enriched halo gas across galaxy overdensities

Connection between gas and galaxies: MAGG survey

The gas and galaxy environment of  $z = 3-4.5$  quasars

Lyman-beta forest as a cosmic thermometer

What can Ly $\alpha$  forest say about nature of Dark Matter?

Unveiling the Stitching of the IGM with WEAVE-QSO

IFU status and update