

## **Session Program**

**15-19 Aug 2022**

# **6th ICM Theory and Computation Workshop**

## ***Tuesday morning: Turbulence***

Niels Bohr Institute, Auditorium A  
Blegdamsvej 17 Copenhagen

## Tuesday 16 August

09:00

### Tuesday morning: Turbulence

**Session** | **Convener:** Prateek Sharma

09:00–09:25

#### Dynamical impact of magnetic fields and stratification on turbulence in massive galactic halos

**Speaker**

Mateusz Ruszkowski

09:25–09:50

#### Turbulence in the Intra-cluster Medium

**Speaker**

Yuan Li

09:50–09:55

#### Cavity Detection Tool (CADET)

**Speaker**

Tomáš Plšek

09:55–10:00

#### Idealized cloud crushing simulations in expanding background

**Speaker**

Alankar Dutta

10:00–10:05

#### Science communication with the Galactic Atmospheres Forum

**Speaker**

Mark Voit

10:05–10:10

#### Numerical simulation on the redistribution of AGN jet tails in merging cluster: Example of Abell 514

**Speaker**

Wonki Lee

10:15–11:00

#### Coffee break

11:00–11:25

#### Magneto-Thermal Instability in Galaxy Clusters

**Speaker**

Lorenzo Maria Perrone

11:25–11:50

#### As a matter of dynamical range - scale-dependent energy dynamics in magnetized turbulence

**Speaker**

Philipp Grete

11:50–11:55

#### A New Paradigm in X-ray Spectral Analysis

**Speaker**

Carter Rhea

11:55-12:00

**Exploring the X-ray filamentary structure in Frontier Fields Cluster  
MACSJ0717.5+3745**

**Speaker**

Jean-Paul Breuer

12:00-12:30

**Discussion: Turbulence**

12:30