

## **Session Program**

**15-19 Aug 2022**

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

***Thursday morning: New frontiers of theory  
and observations***

Niels Bohr Institute, Auditorium A  
Blegdamsvej 17 Copenhagen

# Thursday 18 August

09:00

## Thursday morning: New frontiers of theory and observations

**Session** | **Convener:** Gianfranco Brunetti

**09:00–09:25** **Micro- vs Macroscopic Transport in Clusters**

**Speaker**

Sebastian Heinz

**09:25–09:50** **Signatures of turbulent magnetic fields in merging galaxy clusters**

**Speaker**

Urmila Chadayammuri

**09:50–10:15**

**Pushing the frontier of ICM physics with novel observations : new SITELE observations of the filaments in the Perseus cluster**

**Speaker**

Julie Hlavacek-Larrondo

**10:15–11:00** **Coffee break**

**11:00–11:25**

**In search of universality: towards a statistical mechanics of collisionless plasma**

**Speaker**

Alexander Schekochihin

**11:25–11:50** **On the acceleration efficiency of low-Mach number shocks**

**Speaker**

Damiano Caprioli

**11:50–11:55**

**An Effective Collision Operator for Heat-Flux-Generated Whistler Turbulence**

**Speaker**

Evan Yerger

**11:55–12:00**

**A Turbulent Heating Mechanism via Magnetic Pumping in the Intracluster Medium of Galaxy Clusters (via Zoom)**

**Speaker**

Francisco Ley

**12:00–12:30** **Discussion: New frontiers of theory and observations**

12:30