

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 SITELLE 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