

## **Session Program**

**15-19 Aug 2022**

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

#### ***Monday afternoon: Cosmological simulations***

Niels Bohr Institute, Auditorium A  
Blegdamsvej 17 Copenhagen

# Monday 15 August

13:45

## Monday afternoon: Cosmological simulations

**Session** | **Convener:** Christoph Pfrommer

13:45-14:10

### The Physics of Galaxy Cluster Outskirts

**Speaker**

Daisuke Nagai

14:10-14:35

### X-ray manifestations of AGN feedback, mergers and satellite accretion with the IllustrisTNG simulations

**Speaker**

Annalisa Pillepich

14:35-15:00

### The interplay of SMBH feedback and the ICM in cosmological simulations

**Speaker**

Dylan Nelson

15:00-15:45

### Coffee break

15:45-16:10

### Magnetic Fields, Jets, Velocities, and Cosmic Rays in Merging Galaxy Clusters (via Zoom)

**Speaker**

John ZuHone

16:10-16:35

### Effects of supermassive black hole feedback on galactic hot atmospheres

**Speaker**

Nhut Truong

16:35-16:40

### Reconstructing Cluster Merger Histories using Triple Merger Simulations

**Speaker**

Iraj Vaezzadeh

16:40-16:45

### Simulations of Large-Scale Cold Fronts and Subcluster Interactions in the Perseus Cluster

**Speaker**

Elena Bellomi

16:45-17:15

### Discussion: Cosmological simulations

17:15