

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