

**Session Program**

**21-22 Oct 2021**

**Digitala Astronomdagarna 2021**

***Cosmology and Extragalactic Astronomy***

Zoom

# Thursday 21 October

13:10

## Cosmology and Extragalactic Astronomy

**Session** | **Location:** Zoom | **Convener:** Gasper Kukec Mezek

13:10-13:20

### The LMS-1 stream: A fossil remnant of the early formation of the Milky Way

**Speaker**

Dr Khyati Malhan

13:20-13:30

### Impact of the Mean Free Path on the Large Scale 21-cm Power Spectrum from Reionization

**Speaker**

Ivelin Georgiev

13:30-13:40

### Hunting for Fast Radio Bursts at Onsala Space Observatory

**Speaker**

Franz Kirsten

13:40-13:50

### CON-quest: dense molecular gas properties in moderately luminous infrared galaxies

**Speaker**

Dr Kyoko Onishi

13:50-14:00

### Fitting a radiation mediated shock model to prompt gamma-ray burst data

**Speaker**

Filip Samuelsson

14:00-14:10

### GRB observations by H.E.S.S.

**Speaker**

Mohanraj Senniappan

14:10-14:20

### Follow-up gamma-ray observations of neutrino events with the H.E.S.S. imaging atmospheric Cherenkov telescope

**Speaker**

Gasper Kukec Mezek

14:20-14:30

### Evolution of Ly $\alpha$ halos between low and high redshift: possible sign of changes in the CGM.

**Speaker**

Axel Runnholm

14:30-14:40

### Future challenges and new approaches in astrophysics at mm-wavelengths

**Speaker**

Dr Jón Gudmundsson

14:40–14:50

**Comparing neighborhoods of quasars and inactive galaxies with the Galaxy and Mass Assembly (GAMA) survey through Monte Carlo simulation**

**Speaker**

Maria Stone

14:50