

## **Session Program**

**30 May 2022 to 1 June 2022**



# **Nederlandse Astronomenconferentie 2022**

## ***Parallel Session: Galaxies & Cosmology***

Duinse Polders  
Ruzettenlaan 195 B-8370 Blankenberge Belgium

# Monday 30 May

14:35

## Parallel Session: Galaxies & Cosmology

Session | Location: Congreszaal | Convener: Erwin de Blok

14:35–14:50

### Probing SFR of nearby galaxies with SOFIA/FIFI-LS [CII] observations

**Speaker**

Inja Kovačić

14:50–15:05

### The dynamical state of star forming molecular gas as viewed by PHANGS

**Speaker**

Sharon Meidt

15:05–15:20

### Going deep with MHONGOOSE: uncovering low column density HI with MeerKAT

**Speaker**

Julia Healy

15:20–15:35

### FIR emission-line luminosities to infer ISM physical properties

**Speaker**

Andres Filipe Ramos Padilla

15:35–15:50

### Dynamical modeling of molecular Gas; hydrodynamics simulation of Gas disk around BH

**Speaker**

Mojtaba Raouf

15:50–16:05

### Can Molecular Ratios be used as Diagnostics of AGN and Starburst activity? The Case of NGC 1068.

**Speaker**

Joshua Butterworth

16:05

16:35

## Parallel Session: Galaxies & Cosmology

Session | Location: Congreszaal | Convener: Reynier Peletier

16:35–16:50

### The Virgo Environment Traced in CO Survey: How HI-identified environmental mechanisms affect the molecular gas in cluster galaxies

**Speaker**

Nikki Zabel

16:50–17:05

### Polarised emission from aligned dust grains in nearby galaxies

**Speaker**

Bert Vandenbroucke

17:05-17:20

**Seeing the forest and the trees : a radio investigation of the ULIRG Mrk 273****Speaker**

Pranav Kukreti

17:20-17:35

**Measuring the escape fraction of ionizing photons****Speaker**

Valentin Mauerhofer

17:35-17:50

**Fountain-driven Accretion of Gas on to nearby Spiral Galaxies****Speaker**

Anqi Li

17:50-18:05

**The chemical footprint of AGN feedback in the outflowing circumnuclear disk of NGC1068****Speaker**

Ko-Yun Huang

18:05-18:20

**Multi-band image simulations to unite the shear and redshift calibrations for weak lensing surveys****Speaker**

Shun-Sheng Li

18:20-18:35

**MESSIER Surveyor****Speaker**

David Valls-Gabaud

18:35

## Tuesday 31 May

11:00

### Parallel Session: Galaxies & Cosmology

Session | Location: feestzaal 1 | Convener: Ilse De Looze

11:00-11:15

#### **A linear relation between outer galaxy radius and virial mass for galaxies 7 billion years ago from LEGA-C**

**Speaker**

Caroline Straatman

11:15-11:30

#### **The extreme dark matter haloes of gas-rich ultra-diffuse galaxies**

**Speaker**

Pavel E. Mancera Piña

11:30-11:45

#### **Implications for galaxy formation models from observations of Globular Clusters around Ultra-Diffuse Galaxies**

**Speaker**

Teymoor Saifollahi

11:45-12:00

#### **Constraining the Milky Way Galactic Center properties with hypervelocity stars**

**Speaker**

Elena Maria Rossi

12:00-12:15

#### **Measuring the Star-formation Histories from SED fitting in the LEGA-C survey**

**Speaker**

Angelos Nersesian

12:15-12:30

#### **Stellar streams in the solar neighbourhood**

**Speaker**

Eduardo Balbinot

12:30