

SFB 1601 Student Seminars – Summer 2024

Date: July 26, 2024 (Friday)

Venue: Lecture Hall (0.012), AIfA, University of Bonn

12:00 – 12:05 (Welcome Address + Introduction Round)		
Session-1		
12:05 – 12:25	Dust and Molecular Structure Identification in JWST Images of Nearby Galaxies	Zein Bazzi (AIfA, Bonn)
12:25 – 12:45	$^{13}\text{CO}(1-0)$ to $\text{C}^{18}\text{O}(1-0)$ Ratio Variations Across M51 Galaxy	Ina Galić (AIfA, Bonn)
12:45 – 13:05	Fueling Cosmic Star Formation: Buildup of Galaxies over 13.5 Billion Years	Prachi Prajapati (PH1, Cologne)
13:05 – 13:20 (Discussion + Feedback)		
13:20 – 14:20 (Lunch Break + Coffee)		
Session-2		
14:20 – 14:40	A3COSMOS: Galaxy submillimeter number counts from the public ALMA archive	Sylvia Adscheid (AIfA, Bonn)
14:40-15:00	Exploring wDM with Line Intensity Mapping	Elena Marcuzzo (AIfA, Bonn)
15:00 – 15:10 (Discussion + Feedback)		
15:10 – 15:30 (Coffee Break)		
Session-3		
15:30 – 15:50	Superconducting devices development for sub-mm mid-resolution Spectrometers	Saha Himadri (PH1, Cologne)
15:50 – 16:10	Towards a statistical characterization of the earliest stages of high-mass star formation	Flavia Amaral (PH1, Cologne)
15:10 – 16:30	Three-dimensional modelling of interstellar PDRs through clumpy ensembles	Sinha Aditi (PH1, Cologne)
16:30 – 16:45 (Discussion + Feedback)		
16:45 – 16:55 (Group photo)		
16:55– 17:15 (Open Discussion about SFB Student Council & its activities)		