

SFB 1601 Student Seminars – Winter 2024

Date: February 01, 2024 (Thursday)

Venue: KOSMA Room, PH1 Main Building, University of Cologne

10:00 – 10:05 (Welcome Address + Introduction Round)		
Session-1: Chaired by Eleonore D. (PH1, Cologne)		
10:05 – 10:25	WIMPs: Effect on formation and evolution of Population-III stars	Anaïs Pauchet (PH1, Cologne)
10:25 – 10:45	Simulations of the low-metallicity interstellar medium	Vittoria Brugaletta (PH1, Cologne)
10:45 – 11:05 (Coffee Break)¹		
11:05 – 11:25	The formation of Population III - dominated galaxies under the influence of UV background radiation	Oerd Xhemollari (PH1, Cologne)
11:25 – 11:45	Diffuse Emission from Cosmic Rays and Signatures of the Galactic Magnetic Field	Leonard Kaiser (PH1, Cologne)
11:45 – 12:05	TBD (related to Astrochemistry of our Galactic Objects)	Youxin Wang (MPIfR, Bonn)
12:05 – 12:15 (Discussion + Group Photo)		
12:15 – 13:00 (Lunch Break)²		
Session-2: Chaired by Prachi P. (PH1, Cologne)		
13:00 – 13:20	Star formation relations across redshift	Theodoros Topkaras (PH1, Cologne)
13:20 – 13:40	Development of the automated tuning algorithm for the CCAT-prime Heterodyne Array Instrument (CHAI)	Kateryna Vynokurova (PH1, Cologne)
13:40 – 14:00	Radio-mode AGN feedback in the first eROSITA all-sky survey	Simon Dannhauer (PH1, Cologne)
14:00 – 14:20 (Coffee Break)¹		
14:20 – 14:40	Cleaning Atmospheric Noise for [CII] Line Intensity Mapping	Ankur Dev (AIfA, Bonn)
14:40 – 15:00	Probing the structure of ionized ISM in Lyman-continuum-leaking Green Pea galaxies with MUSE	Chinmaya Nagar (PH1, Cologne)
15:00 – 15:20 (Discussion + Feedback)		
15:20 – 15:45 (Open Discussion about SFB Student Council & its activities)		
15:45 – 17:00 (Games and Socializing activities)³		

¹ We request you to bring your own coffee mug if your office is at PH1 itself.

² The lunch has been arranged at KOSMA Room itself.

³ Not mandatory to attend.