

IMPRS Retreat

November 23-25, 2020, ZOOM Virtual Space

Each scientific talk should be 15min + 5 mins (Q&A)

Monday 23rd of November

Time	Speaker	Title
Chair: Thomas Jackson		
9:00 – 9:20	Jonas Kemmer	Why it is so important to know your instrument
9:20 – 9:40	Katja Reichert	How Planetary Systems are Shaped by their Birthplace
9:40 – 10:00	Samantha Brown	Multi-wavelength analysis of protoplanetary disks
10:00 – 10:20	Grigorii Smirnov	On the HCO ⁺ isotopologues in protoplanetary disks
10:20 – 11:00	Coffee break and informal chat	
Chair: Giancarlo Mattia		
11:00 – 11:20	Vincent Carpenter	Simulations of the Onset of Collective Motion of Sedimenting Particles
11:20 – 11:40	Oliver Voelkel	The impact of pebble flux regulated planetesimal formation on giant planet formation
11:40 – 13:00	Camille Bergez	How gas accretion influences the shape and depth of gaps in discs
13:00 – 14:00	Lunch and informal chat	
Chair: Christoph Engler		
14:00 – 14:20	Marcelo Barraza	Signposts of hydrodynamic turbulence in protoplanetary disks: observability of the Vertical Shear Instability in CO gas kinematics
14:20 – 14:40	Peter Rodenkirch	Insights from non-axisymmetric structures in the disk HD163296
14:40 – 15:00	Liz Flores	HD simulations of protoplanetary disks: I. Resolution study for the VSI
15:00 – 16:00	Dr. Tessel van der Laan	Looking forward at your career, inside or outside of academia
End of the day		

Tuesday 24rd of November

Time	Speaker	Title
Chair: Jacob Isbell		
9:00 – 9:20	Paz Bluhm	Precise mass and radius of a transiting super-Earth planet orbiting the M dwarf TOI-1235: a planet in the radius gap?
9:20 – 9:40	Giancarlo Mattia	Numerical simulations of jets launched by a non isotropic accretion disk dynamo
9:40 – 10:00	Victor Ksoll	Characterizing Pre-Main-Sequence Stars in the Large Magellanic Cloud with Machine and Deep Learning Techniques

10:00 – 10:20	Carolin Gieser	Chemical complexity in high-mass star-formation
10:20 – 11:00	Coffee break and informal chat	
Chair: Samantha Brown		
11:00 – 11:20	Mattis Magg	Metal mixing in primordial minihaloes
11:20 – 11:40	Gustavo Medina	Unveiling the Milky Way's History Using Young & Old Population Variable Stars
11:40 – 13:00	Theodora Xylaki	Metal-poor stars as tracers of galactic chemical evolution
13:00 – 14:00	Lunch and informal chat	
14:00 – 15:30	Camille Bergez & Thomas Jackson	Social Event
15:30 – 16:30	Dr. Nikos Fanidakis	Data Science and careers outside Astronomy
End of the day		

Wednesday 25th of November

Time	Speaker	Title
Chair: Camille Bergez		
9:00 – 9:20	Francesco Conte	Gamma-gamma absorption in the Galactic center
9:20 – 9:40	Mischa Breuhaus	Ultra-high energy Inverse Compton emission from Galactic electronaccelerators
9:40 – 10:00	Theodoros Soutanis	Neutron star mergers
10:00 – 10:20	Jacob Isbell	First Images of the Dust Torus of Circinus with VLT MATISSE
10:20 – 11:00	Coffee break and informal chat	
Chair: Carolin Gieser		
11:00 – 11:20	Alina Böcker	Validating age-metallicity distribution recovery from integrated spectra using MUSE data of a nearby nuclear star cluster
11:20 – 11:40	Ismael Tessa Gutierrez	Stellar populations at high angular resolution in nearby star forming galaxies with PHANGS
11:40 – 13:00	Christoph Engler	The Distinct Stellar-to-Halo Mass Relations of Satellite and Central Galaxies: Insights from the IllustrisTNG Simulations
13:00 – 14:00	Lunch and informal chat	
Chair: Vincent Carpenter		
14:00 – 14:20	Irham Andika	The Search for Highest-Redshift Quasar by Using Euclid and other Surveys
14:20 – 14:40	Thomas Jackson	Growth processes of quiescent galaxies: stellar mass excesses from minor mergers in HSC
14:40 – 15:40	Prof. Dr. Katja Poppenhaeager	Approaching the chase for academic success with healthy boundaries
End of the retreat		