

IMPRS Symposium - December 5th and 6th, 2022

@ESO Telescopium and on Zoom at [this link*](#)

Closing party on Dec 8th, 2022 (details on Page 2)

December 5th, 2022 - Morning session

The Milky Way and Galaxy Evolution

9:00-9:10	Tommy Lau	Welcome Speech
9:10-9:40	Daizhong Liu	Overview Talk
9:40-10:00	Michael Yeung	The Diffuse Soft X-Ray Foreground Revealed by the Darkest Shadows
10:00-10:20	Leonard Romano	SISS: Supernovae In a Stratified, Shearing Interstellar Medium
10:20-10:40	Christian Partmann	Growth and Feedback of Intermediate mass black holes in simulated dwarf galaxies
10:40-11:00	Coffee Break	
11:00-11:20	Hitesh Kishore Das	Multiphase Gas with Turbulence, and a pinch of Magnetic Fields
11:20-11:40	Mathias Lipka	A novel approach to optimise the evaluation of dynamical models
11:40-12:00	Eileen Herwig	MUSE Spectroscopy of Major Galaxy Merger
12:00-12:20	Ivan Kostyuk	Lyman Continuum escape fractions in high redshift galaxies

December 5th, 2022 - Afternoon session

Cosmology and Large Scale Structure

14:00-14:50	Nico Hamaus	Overview Talk
14:50-14:55	Jianhang Chen	Hunting for proto-cluster cores
14:50-15:10	Geza Csoermyei	Not too stable after all: observational studies of Cepheid light curve fluctuations
15:10-15:50	Joshiwa van Marrewijk	Joint modelling of single dish & interferometric data -- Mapping the Sunyaev-Zeldovich effect from the core to half the virial radius
15:50-15:55	Coffee Break	
15:50-16:10	Andrija Kostic	Towards large-scale structure reconstructions using EFTofLSS
16:10-16:50	Sergei Bykov	Forecasts for cosmological measurements based on the angular power spectra of AGN and clusters of galaxies in the SRG eROSITA all-sky survey
16:50-16:55	Anik Halder	Integrated 5-point correlation function of projected cosmic density fields
16:50-17:10	Vyoma Muralidhara	Calibration of polarisation angles with Tau-A

* Meeting ID: 656 7786 8784

December 6th, 2022 - Morning session

Galactic Nuclei and Astrochemistry

9:10-9:40	Jinyi Shangguan	Overview Talk
9:40-10:00	Zsofi Igo	An X-ray and Radio View of the Different Modes of AGN Accretion and Feedback with eROSITA and LOFAR
10:00-10:20	Daryl Joe Santos	Constraining the BLR size and SMBH mass of 4 AGNs with GRAVITY
10:20-10:40	Iuliia Grotova	eRASS1_J095641.9-111547: ultra-soft nuclear transient in a FR II radio galaxy discovered with eROSITA
10:40-11:00	Coffee Break	
11:00-11:20	Davide Alberton	What ethanol amine tells us about the emergence of life
11:20-11:40	Katharina Giers	Comparison of deuteration in the pre-stellar core L1544 and the protostellar core HH211

December 6th, 2022 - Afternoon session

Star and Planet Formation

15:50-14:00	María José Maureira	Overview Talk
14:00-14:20	Farideh Tabatabaei	The Kinematics of the Magnetised Protostellar Core IRAS15398-3559
14:20-14:40	Teresa Valdivia Mena	Mind the gap: infall signatures at two filament and protostellar scales in the Barnard 5 dense core
14:40-15:00	Elena Hoemann	Filament collapse: a two phase process
15:00-15:20	Coffee Break	
15:20-15:40	Jiri Zak	A stripped star in a binary system
15:40-16:00	Abinaya Swaruba Rajamuthukumar	Triple evolution: an important channel in the formation of type Ia supernovae
16:00-16:20	Jakob Hein	3D Neutrino Transport in Core-Collapse Supernovae
16:20-16:40	Luca Delussu	The need for early and ubiquitous sub-structure: indications from disk population synthesis
16:40-17:00	Pavan Vynatheya	The dynamical stability of triple-star systems
17:00-17:20	Agne Semenaite	Power Dynamics and Equality in Physics
17:20-17:50	Tommy Lau	Closing Remarks



Closing party details



You are all invited to our Funny Hat Pizza Party! Wear your funny hats and eat pizza together!



December 8th, 2022 at 16:50



MPA Common Room (drinks)



5€ (includes unlimited alcoholic and/or non-alcoholic drinks) + pizza of your choice

Want to join? Scan this QR Code now!

