

PROGRAMME JOURNÉES GALAXIES DU PNCG

Lundi 20 juin 2022

14h00-14h15	Welcome to Strasbourg	Pierre-Alain Duc (ObAS)
14h15-14h30	Presentation of the PNCG	Samuel Boissier (LAM)
14h30-15h00	CDS: a galaxy of services for astronomers	Sébastien Derriere (ObAS)

Galaxy formation and evolution: dusty distant galaxies (chair : Jonathan Freundlich)		
15h00-15h15	A Comprehensive Redshift Survey of the Brightest Herschel Galaxies	Pierre Cox (IAP)
15h15-15h30	Interstellar medium and feedback in the most active dusty starbursts at $z \sim 2-4$	Raoul Canameras (MPA, Garching)
15h30-15h45	Spectral imaging of [CII], CO and dust continuum of lensed dusty star-forming galaxies with ALMA	Gayathri Gururajan (LAM)
15h45-16h00	Searching for high-z dusty star-forming galaxies with NIKA2 and NOEMA	Longji Bing (LAM)

– coffee break –

Galactic archeology: Galactic evolution from halo stars and clusters (chair : Samuel Boissier)		
16h30-16h45	On the early formation history of our Galaxy	Paola Di Matteo (OBSPM)
16h45-17h00	Chemo-kinematic properties of Galactic substructures as revealed by Gaia DR3: the example of accreted Gaia-Sausage-Enceladus and Sequoia	Pedro Alonso Palicio (OCA)
17h00-17h15	GASTRO library: studying substructures of the Milky Way stellar halo with SPH + N-body single merger models	Joao A. S. Amarante (ICCUB, Barcelone)
17h15-17h30	Mass loss and multiple populations in Galactic globular clusters	Alessandra Mastrobuono-Battisti (OBSPM)
17h30-17h45	Orbiting globular clusters formed in dark matter mini-halos: dynamical imprints and stellar streams	Eduardo Farinazzo Vitral (IAP)
17h45-18h00	No globular cluster progenitors in Milky Way satellite galaxies	Pierre Boldrini (IAP)

Poster session (chair: Samuel Boissier)		
18h00-18h20	The Star Formation History of the Milky Way Galaxy	Valeria Cerqui (OBSPM)
	The accretion history of our Galaxy as traced by globular clusters: clues from N-body simulations	Giulia Pagnini (OBSPM)
	Stellar graveyards: Clustering of compact objects in globular clusters	Eduardo Farinazzo Vitral (IAP)

– Alsacian cocktail in the gardens of the Strasbourg observatory –

Mardi 21 juin 2022

Galaxy formation and evolution: cosmological imprints (chair : Guilhem Lavaux)		
08h30-08h45	Measuring the connection between galaxies and their cosmic web environment: intrinsic alignments in COSMOS	Clotilde Laigle (IAP)
08h45-09h00	Cosmic Web mapping with Lyman-alpha tomography: critical point clustering and connectivity	Katarina Kraljic (LAM)
09h00-09h15	Primordial non-Gaussianity at galactic scales?	Thomas Montandon (University of Vienna)
09h15-09h30	Cosmological imprints in halo's shape	Remy Koskas (OBSPM)
09h30-09h45	On the formation and stability of fermionic dark matter halos in a cosmological framework	Carlos Arguelles (University of La Plata)
09h45-10h00	Dipolar dark matter simulations of galaxies	Clément Stahl (ObAS)

Poster session (chair: Guilhem Lavaux)		
10h00-10h30	Shedding light on galaxies at the end of the reionization epoch with long gamma-ray bursts	Andrea Saccardi (OBSPM)
	Transforming gas-rich low-mass disk galaxies into ultra-diffuse galaxies by ram pressure	Kirill Grishin (APC)
	The effect of dark substructures on stellar tidal streams	Margot Pernet (ObAS)
	CGM properties in dense environments using MgII absorption.	Maxime Cherrey (CRAL)
	The microwave emission from dust and gas in a sample of nearby galaxies as seen with IRAS and Planck	Lucie Correia (ObAS)

– coffee break –

Galaxy formation and evolution: environmental effects (chair : Joakim Rosdahl)		
11h00-11h15	Simulated vs. observed galaxy populations of local galaxy clusters and groups	Jenny Sorce (IAS)
11h15-11h30	On the causal origin of the angular momentum of dark matter halos and galaxies	Corentin Cadiou (UCL, Londres)
11h30-11h45	A first panoramic MUSE view of the metal-enriched intragroup medium of five low-mass galaxies at z=1.3	Floriane Leclercq (University of Texas)

11h45-12h00	Physical Properties of More than One Thousand Brightest Cluster Galaxies Detected from the CFHTLS	Aline Chu (IAP)
12h00-12h15	Impact of environment on galaxy evolution at intermediate redshift from the MAGIC survey	Wilfried Mercier (IRAP)
12h15-12h30	Galaxy groups at $z < 2.5$: detection and quenched fraction	Florian Sarron (IRAP)

– lunch break –

Galaxy formation and evolution: environment, morphology and feedback (chair : Yohan Dubois)		
14h00-14h15	Ram pressure stripped galaxies in medium redshift clusters	Florence Durret (IAP)
14h15-14h30	Strong evidence for ram-pressure stripping in diffuse and ultra-diffuse galaxies in the Virgo cluster	Junais (NCNR, Warsaw)
14h30-14h45	Aging of galaxies along the morphological sequence, marked by bulge growth and disk quenching	Louis Quilley (IAP)
14h45-15h00	An unsupervised approach to galaxy spectra classification	Julien Dubois (IPAG)
15h00-15h15	How merging shift galaxies above the main sequence: molecular gas in double-peaked emission line galaxies	Daniel Maschmann (OBSPM)
15h15-15h30	Star formation quenching as seen by MaNGA	Barbara Mazzili-Ciraulo (OBSPM)
15h30-15h45	The effect of cosmic ray feedback in disc galaxies	Marion Farcy (CRAL)
15h45-16h00	The CGM as a constraint for star formation and feedback subgrid models	Maxime Rey (CRAL)

– coffee break –

Galaxy formation and evolution: environment, morphology and feedback (chair : Anne-Laure Melchior)		
16h30-16h45	COSMOS2020: The cosmic evolution of the stellar-to-halo mass relation for central and satellite galaxies up to $z=5$	Marko Shuntov (IAP)
16h45-17h00	Baryonic to Halo Mass Relation in galaxies	Marie Korsaga (ObAS)

Nearby and resolved galaxies: dust and ISM (chair : Anne-Laure Melchior)		
17h00-17h15	Uncertainties and biases in dust masses in nearby galaxies	Caroline Bot (ObAS)
17h15-17h30	Structure and porosity to ionizing photons of the ISM in the Dwarf Galaxy Survey	Lise Ramambason (AIM)
17h30-17h45	Investigate the properties of the interstellar medium of nearby galaxies using an analytical model	Thomas Lizee (ObAS)
17h45-18h00	The interplay between cosmic rays and the multi-phase interstellar medium in a dwarf galaxy	Arturo Nuñez-Castiñeyra (AIM)
18h00-18h15	Going out in Strasbourg	Clément Stahl (ObAS)

– Fête de la musique –

Mercredi 22 juin 2022

Nearby and resolved galaxies: dynamical and gravitational effects (chair : Vanessa Hill)		
08h30-08h45	The first direct dynamical detection of a sub-kpc pair of SMBHs	Karina Voggel (ObAS)
08h45-09h00	Black holes in dense stellar systems	Samuel Bonsor (University of Edinburgh)
09h00-09h15	Confirming the powerful radio loud QSO 3C186 as a gravitational wave recoiling black hole	Gianluca Castignani (University of Bologna)
09h15-09h30	Characterization of LSB structures in annotated deep images	Elisabeth Sola (ObAS)
09h30-09h45	Detailed reconstruction of the last 1 Gyr of the history of the galaxy NGC 474	Michal Bilek (OBSPM)
09h45-10h00	Tidal stripping of dwarf galaxies Antila II and Crater II	Alexandra Borukhovetskaya (University of Victoria)
10h00-10h15	A new deep-learning framework for stellar dynamics: predicting mass, distance and age of globular clusters	Paolo Bianchini (ObAS)
10h15-10h30	Internal rotation in a star-forming globular cluster	Elena Lacchin (University of Bologna)

– coffee break –

Galactic archeology: stellar streams and dwarf galaxies (chair : Benoit Famaey)		
11h00-11h15	Very and extremely metal poor stellar streams - messengers from the early universe	Zhen Yuan (ObAS)
11h15-11h30	Waltz of Sagittarius around the Milky Way : Reconstructing the whole 6D properties of the stream	Haifeng Wang (OBSPM)
11h30-11h45	Creating the faint branch of the Sagittarius stellar stream	Pierre-Antoine Oria (ObAS)
11h45-12h00	The effect of anisotropies in the Milky Way halo kinematics on its Linear Response to the Large Magellanic Cloud	Simon Rozier (ObAS)
12h00-12h15	Detection limits and global properties of Andromeda's dwarf galaxy system	Amandine Doliva-Dolinsky (ObAS)

– lunch break –

Galactic archeology: dynamical models of the Galaxy and the Galactic centre (chair : Paola Di Matteo)		
14h00-14h15	A self-consistent dynamical model of the Milky Way disc set to Gaia data	Olivier Bienaymé (ObAS)
14h15-14h30	The small boxy/peanut structure of the Milky Way traced by old stars	Marcin Semczuk (University of Leicester)
14h30-14h45	Archeology of the Galactic Center with IXPE	Frédéric Marin (ObAS)

Galactic archeology: Galactic evolution from chemical abundances (chair : Paola Di Matteo)		
14h45-15h00	Element abundance ratios in the thin and thick disks of the Galaxy	Nikos Prantzos (IAP)
15h00-15h15	Galactic Archaeology with the Gaia DR3 chemical cartography	Alejandra Recio-Blanco (OCA)
15h15-15h30	Chemical evolution models constrained by the Gaia chemical cartography	Emanuele Spitoni (OCA)
15h30-15h45	On the s-elements content of the Milky Way	Gabriele Contursi (OCA)
15h45-16h00	Chemical Evolution of R-process Elements in Stars (CERES): stellar parameters and chemical abundances from Na to Zr	Linda Lombardo (OBSPM)

– coffee break –

Galaxy formation and evolution: reionization (chair : Clotilde Laigle)		
16h30-16h45	The relative role of AGN and stellar populations in reionizing the Universe	Maxime Trebitsch (Kapteyn Institute, Groningen)
16h45-17h00	Galaxies drive a realistic shortening of the ionizing mean free path during Reionization in Cosmic Dawn III	Joseph Lewis (University of Heidelberg)
17h00-17h15	The Simulated Infrared Dusty Extragalactic Sky: status and application to galaxy surveys and intensity mapping experiments	Athanasia Gkogkou (LAM)
17h15-17h30	Measuring the [CII] power spectrum during the Epoch of Reionisation and post Reionisation with CONCERTO	Mathilde Van Cuyck (LAM)

17h30-18h00	Concluding remarks	
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