Monday 27 June 2022

Note: I = invited, C = contributed

08:55 Floris van der Tak: Welcome & logistics

Chair: Carlotta Gruppioni

Opening talk
09:00 Matt Bradford (I): *Infrared instrumentation opportunities in the 2020s and beyond*

Session 1: Formation and evolution of galaxies
09:25 Tohru Nagao (I): *Future infrared views for the chemical enrichment history of galaxies*
09:50 Dominik Riechers (I): *Unraveling Galaxy-Scale Feedback, Cosmic Structure Formation, and the Epoch of Reionization with Infrared Spectral Line Diagnostics in the Early Universe*
10:15 Luigi Barchiesi (C): *The role of future IR telescopes in the quest for heavily obscured AGN and synergies with Athena*

10:30 Coffee break

Chair: Bernhard Schulz

11:15 Laure Ciesla (C): *Photometric and spectroscopic simulations of galaxies for the PRIMA (former GEP) IR probe project*
11:30 Laura Bisigello (C): *Simulating the infrared sky with a SPRITZ*

Session 2: The baryon cycle of galaxies
11:45 Susanne Aalto (I): *Behind the veil – outflows in dusty galaxies*
12:10 Frédéric Galliano (C): *The Infrared Spectral Energy Distribution of Galaxies as an Insight Into Dust Evolution*
12:25 Fiorella Polles (C): *The Electron Density Distribution in the Low-Metallicity Environment of IC10*
12:40 Poster pitches 1-10

12:50 Lunch break & Plenary session

Chair: Floris van der Tak

17:30 Françoise Combes (I): *Obscured galaxy nuclei: starbursts and supermassive black holes*
17:55 Eduardo Gonzalez-Alfonso (C): *Galactic evolution from Herschel/PACS far-IR spectroscopy: physical conditions and gas kinematics of buried galactic nuclei*

Session 3: Galactic ISM and star formation
18:10 Javier Goicoechea (I): *Stellar feedback and the multi-phase ISM revealed by wide-field velocity-resolved far-IR imaging*
18:35 Philip Lucas (C): *Advances in the Infrared Time Domain from VISTA/VVV and WISE/NEOWISE*

18:55 End of Day 1

Tuesday 28 June 2022

Chair: Ciska Kemper

09:00 Melissa McClure (I, online): *Tracing the icy origins of life with JWST*
09:25 Abigail Frost (C): *Unveiling the evolution of the most influential stars in the Universe using multi-scale infrared observations*
09:40 Aaron Bryant (C): *Far-Infrared Imaging Spectroscopy of the Galactic Centre's Circumnuclear Disk*

Session 4: Planet formation
09:55 Ilse Cleeves (I): *Unlocking the Chemistry of Planet Formation with FIR Spectroscopy*
10:20 Poster pitches 11-20

10:30 Coffee break

Chair: Marc Audard

11:15 Antonio Garufi (I): *How near-IR imaging leads us to see planet formation*

Session 5: Solar system
11:40 Imke de Pater (I): *Dynamics of the Giant Planet Atmospheres as derived from IR—cm wavelengths*
12:05 Gerónimo Villanueva (I): *The present and future of Infrared Astronomy for Solar System Research*
12:30 Ladislav Rezac (C): *Non-LTE studies in forward and inverse modeling of spectra for SWI/JUICE* at Galilean moons

12:45 Lunch / plenary session

Chair: Floris van der Tak

17:30 Sara Faggi (C): *Global maps of H_2O, HCl and isotopic signatures in the Martian atmosphere*

Session 6: Exoplanets
17:45 Giovanna Tinetti (I): title TBD
18:10 Sascha Quanz (I): *Towards the direct detection of exoplanets at mid-infrared wavelengths*
18:35 Poster pitches 21-30

18:45 Discussion *Realistic opportunities for far-IR astronomy in Europe*, moderated by Peter Roelfsema
19:00 End

Poster pitch schedule

Monday 12:40 (1-10)

1 Michal Michalowski: Stars lensed by the Supermassive Black Hole in the center of the Milky Way
2 Lingyu Wang: Extreme star factories or gorging supermassive black holes
3 Gauri Sharma: Evolution of dark matter haloes with redshift
4 Orestis Pavlou: Graph Theoretical Analysis of Ultraluminous Infrared Galaxies
5 César Victoria: The Complex Infrared Dust Continuum Emission of NGC1068
6 Gor Mikayelyan: Discovery of new bright ULIRGs from the IRAS PSC/FSC Combined Catalogue
7 Zofia Kaczmarek: Dark lenses through the dust
8 Ambra Nanni: Physical processes regulating the baryon cycle in low-metallicity galaxies
9 Narges Hatamkhani: Deep NIR imaging of galaxy clusters in the Vela Supercluster
10 Denis Burgarella: The ALMA-Alpine survey

Tuesday 10:20 (11-20)

11 Thiébaut Schirmer: Dust evolution in photon-dominated regions
12 Cornelia Pabst: To bubble or not to bubble
13 Rolf Siebenmorgen: Dust in the diffuse ISM
14 Jessica Craig: Galaxy Clusters in the VMC Survey
15 Ismael Garcia-Bernete: PAH features as a tool for selecting deeply buried nuclei
16 Ismael Garcia-Bernete: PAHs in Seyfert and star-forming galaxies
17 Anahit Samsonyan: Analysis of Emission Line Widths of [CII] 158μm
18 Bringfried Stecklum: Infrared afterglows from MYSO accretion bursts
19 Marianna Annunziatella: Stellar population ages and environment for massive galaxies
20 Fabio di Mascia: AGN imprints on the IR emission of high redshift galaxies

Tuesday 18:35 (21-29)

21 Zohreh Ghaffari: The first near-infrared survey optimized for low surface brightness science
22 Paul Hartogh: Exploration of the Jupiter system with a small submillimetre wave telescope onboard the JUICE satellite
23 Philip Lucas: Advances in the Infrared Time Domain from VISTA/VVV and WISE/NEOWISE
24 Matus Rybak: DESHIMA 2.0, an ultra-wide on-chip spectrometer for sub-mm wavelengths
25 Ciska Kemper: The composition of dust in the vicinity of active galactic nuclei
26 François Bouchy: Performance of the NIRPS spectrograph on the ESO 3.6m
27 Ciro Pappalardo: The dust–star interplay in late-type galaxies at $z<0.5$
28 Martin Montelius: Chemical evolution of ytterbium in the Galactic disk
29 Tom Shanks: The nature of sub-millimetre galaxies