

Monday afternoon

13:55 – 14:30 Monique Arnaud (invited): opening address

14:30 – 14:45 Yannick Bahe: The Hydrangea simulations: clusters with resolved galaxies

14:45 – 15:00 Marguerite Pierre: XMM-OWLS insights into cluster assembly at redshift 1 to 2

15:00 – 15:15 Nina Hatch: What distant clusters can reveal about galaxy evolution

15:15 – 15:30 POSTER SESSION

15:30 - 16:00 COFFEE & TEA BREAK

16:00 – 16:35 Gabriella de Lucia (invited): The build-up of galaxy clusters in a hierarchical Universe

16:35 – 16:50 Emanuele Contini: Semi-Analytic Model Predictions of the Galaxy Population in Proto-Clusters

16:50 – 17:05 Eda Gjergo: Simulating Galaxy Clusters with Dust Formation and Evolution

Tuesday morning

09:10 – 09:45 Nina Hatch (invited): Protocluster assembly: observations and theory

09:45 – 10:00 Audrey Galametz: A large-scale super-structure at $z \sim 0.65$ in the UKIDSS ultra-deep survey field

10:00 – 10:15 Rafael Guzman: A spectroscopically confirmed rich proto-cluster at $z \sim 6.5$

10:15 – 10:30 Mari Polletta: Multi-wavelength investigation of Planck high-redshift proto-clusters

10:30 – 10:45 Ryley Hill: Resolving with ALMA the nature of an early star-forming large-scale structure from PLANCK

10:45 – 11:15 COFFEE & TEA BREAK

11:15 – 11:30 Gael Noirot (presented by Audrey Galametz): The Densest Structures at $z=1.4-2.8$ from the CARLA Survey

11:30 – 11:45 David Clements: Starbursting Protoclusters from Herschel & Planck

11:45 – 12:00 Emmet Golden-Marx: The High- z Clusters Occupied by Bent Radio AGN (COBRA) Survey

12:00 - 12:30 Discussion

Tuesday afternoon

13:40 – 14:15 Marcus Bruggen (invited): Merging Clusters as Fundamental Physics Laboratories

14:15 – 14:30 Mariachiara Rossetti: Looking for merging clusters in SZ surveys

14:30 – 14:45 Kaustuv Basu: Shocks and cool cores: An ALMA view of cluster formation from outside and inside

14:45 – 15:00 Remi Adam: Probing the formation of distant clusters using NIKA SZ observations

15:00 – 15:15 Andrea Botteon: Non-thermal phenomena in El Gordo at $z = 0.87$

15:15 – 15:45 COFFEE & TEA BREAK

15:45 – 16:00 Gabriella DiGennaro: Deep in the (un)known: the Sausage Cluster

16:00 – 16:15 Matt Owers: The Cold Front Cluster Project: Probing the Impact of Hierarchical Growth on Cluster Galaxies

16:15 – 16:30 Michael Gregg: Observing Ram Pressure Stripping and Morphological Transformation in the Coma Cluster

16:30 – 16:45 Anshu Gupta: Survival of the fittest under the influence of ram pressure stripping!

16:45 – 17:00 Pascale Jablonka: SEEDisCS: how clusters form and galaxies transform in the cosmic web

Wednesday morning

09:10 – 09:45 Dominique Eckert (invited): The formation, evolution and chemical enrichment of the intracluster medium

09:45 – 10:00 Martin Bourne: Simulation of AGN jet feedback in galaxy clusters

10:00 – 10:15 Charutha Krishnan: Enhancement of AGN activity in a protocluster at $z = 1.6$

10:15 – 10:30 Rebecca Canning: AGN activity in massive cluster at $z > 1$

10:30 – 10:45 POSTER SESSION

10:45 – 11:15 COFFEE & TEA BREAK

11:15 – 11:30 Daniel Wik: Characterizing the First Galaxy Clusters at the Epoch of their Formation with STAR-X

11:30 – 11:45 Helmut Dannerbauer: Surprising existence of massive and large molecular gas reservoirs in a distant protocluster

11:45 – 12:00 William Forman: Anatomy of a Merger: A Deep Chandra Observation of Abell 115

12:00 - 12:30 Discussion

Wednesday afternoon

13:40 – 14:15 Nick Battaglia (invited): Cluster and Protocluster Mass Estimation and Determination of their Dynamical States

14:15 – 14:30 Chris Hayward: How well do submillimeter galaxies trace protoclusters?

14:30 – 14:45 Cristina Garcia Vergara: Protoclusters traced by high-redshift massive galaxies

14:45 – 15:00 Nobunari Kashikawa: High-z protocluster survey by Subaru/HSC

15:00 – 15:15 Hisakazu Uchiyama: Luminous Quasars Do Not Live in the Most Overdense Regions of Galaxies at $z \sim 4$

15:15 – 15:45 COFFEE & TEA BREAK

15:45 – 16:00 Manuela Magliocchetti: High-redshift star-forming galaxies and proto-clusters: an insight from clustering studies

16:00 – 16:15 David Sobral: Large $H\alpha$ surveys of field, filaments and (proto-)clusters at $z \sim 0.2-2.2$: does the environment matter?

16:15 – 16:30 Yusei Koyama: The nature of $H\alpha$ selected galaxies along the huge cosmic web across cosmic time with Subaru

16:30 – 16:45 Brian Lemaux: A Large Sample of Proto-clusters and Proto-Groups from the VIMOS Ultra-Deep Survey

16:45 – 17:00 Mark Brodwin: Epoch of Merger-Driven Star Formation and AGN in Galaxy Clusters

Thursday morning

09:10 – 09:45 Adam Muzzin (invited): The Evolution of Proto-Cluster Galaxies

09:45 – 10:00 Miguel Socolovsky: Excess of rapidly-quenched galaxies in distant galaxy clusters

10:00 – 10:15 Alessandra Beifiori: Tracing the evolution of passive galaxies at $1.4 \leq z \leq 1.8$ with KMOS

10:15 – 10:30 Pierluigi Cerulo: Galaxy Transformations in the Most Massive high-redshift Clusters

10:30 – 10:45 Veronica Strazzullo: Quiescent and star-forming galaxy populations in the core of ClJ1449+0856 at $z = 2$

10:45 – 11:15 COFFEE & TEA BREAK

11:15 – 11:30 Matteo Fossati: Witnessing the onset of environmental quenching at $z \sim 2$. Results and implications from 3D-HST

11:30 – 11:45 Donald Lee-Brown: The Spectroscopic Ages of Passive Galaxies in a $z = 1.62$ Protocluster

11:45 – 12:00 Jeffrey Chan: The buildup and structural evolution of the cluster red sequence between redshift 1 to 1.5

12:00 - 12:30 Discussion

Thursday afternoon

14:00 – 14:15 Masao Hayashi: Evolutionary phase of gas-rich galaxies in a galaxy cluster at $z=1.46$

14:15 – 14:30 Allison Noble: An ALMA Study of Gas-Rich Galaxies in $z \sim 1.6$ Galaxy Clusters

14:30 – 14:45 Gregory Rudnick: The molecular gas properties of $z = 1.62$ proto-cluster galaxies

14:45 – 15:00 Rosemary Coogan: The molecular gas content of star-forming galaxies in a $z \sim 2$ cluster as seen by JVLA and ALMA

15:00 – 15:15 Mehdi Walji: The topology of the Spider's web

15:15 – 15:45 COFFEE & TEA BREAK

15:45 – 16:00 Elizabeth Cooke: A mature galaxy cluster at $z = 1.58$ around the radio galaxy 7C1753+6311

16:00 – 16:15 MinJu Lee: Insights of environmental effect in high- z galaxy evolution from radio and (sub)mm perspectives

16:15 – 16:30 Mariko Kubo: Bimodal morphologies of massive galaxies at the core of a protocluster at $z = 3.09$

16:30 – 16:45 Chao-Ling Hung: The role of galaxy mergers and molecular gas in the early phase of galaxy cluster assembly

16:45 – 17:00 Eelco van Kampen: Dust and gas in distant cluster galaxies with ALMA

Friday morning

09:10 – 09:45 Megan Donahue (invited): Lessons Learned from Multiwavelength Studies of Low Redshift Clusters of Galaxies

09:45 – 10:00 Tadayuki Kodama: Enhanced Ly α depletion in the proto-cluster cores at $z = 2.5$

10:00 – 10:15 Zheng Cai: MAPPING the Most Massive Overdensity Through Hydrogen (MAMMOTH)

10:15 – 10:30 Ken Mawatari: Mapping of HI absorption structure in the SSA22 protocluster at $z=3.1$

10:30 – 10:45 Toma Badescu: Discovery of a Protocluster Associated with a Ly α Blob Pair at $z=2.3$

10:45 – 11:15 COFFEE & TEA BREAK

11:15 – 11:30 Alessandro Rettura: Mass-Richness relation for X-ray and SZE-selected clusters at $0.4 < z < 2$ as seen by Spitzer at 4.5 μ m

11:30 – 11:45 Reju Sam John: Understanding ‘galaxy groups’ as a unique structure in the universe

11:45 – 12:00 Michael West: Ten Billion Years of Brightest Cluster Galaxy Alignments

12:00 - 12:30 Discussion