

HOT SPOTS IN THE XMM SKY:

Cosmology from X-ray to Radio

PROGRAMME



15-18 JUNE 2016
MYKONOS ISLAND, GREECE

MORNING SESSION (COMMON)

08:50 - 09:00	OPENING AND WELCOME
09:00 - 09:30 Invited Clusters	Alexis Finoguenov Retrospects and prospects of X-ray cluster surveys
09:30 - 09:50 Clusters	Marguerite Pierre An overview of XXL
09:50 - 10:10 Clusters	Florian Pacaud The XXL 100 brightest galaxy cluster sample
10:10 - 10:30 Clusters	Thomas Reiprich Cosmological constraints from the brightest clusters in the sky
10:30 - 10:50 Clusters	Gerrit Schellenberger HICOSMO – X-ray analysis of a complete sample of galaxy clusters
10:50 - 11:10 Clusters	Nicolas Clerc SPIDERS: the spectroscopic follow – up of X-ray selected clusters in SDSS – IV
11:10 - 11:30	COFFEE BREAK
11:30 - 12:00 Invited AGN	Ryan Hickox Black holes in the cosmic web: The big picture of AGN & LSS
12:00 - 12:20 Clusters	Srivatsan Sridhar Evolution of the real-space correlation function from next generation cluster surveys
12:20 - 12:40 Clusters	Alexander Kolodzig Angular correlation studies of the cosmic X-ray background: A new frontier of LSS studies with X-ray surveys
12:40 - 13:00 Clusters	Lauro Moscardini Looking for Baryon Acoustic Oscillations of Galaxy Clusters
13:00-13:20 Clusters	Lorenzo Faccioli Cosmology with the new XCLASS cluster sample
13:20 - 16:30	NOON BREAK

EVENING SESSION AGN

16:30 - 16:50	Viola Allevato Chandra COSMOS – Legacy: clustering of moderate luminosity X-ray AGN at $2.9 < z < 5.5$
16:50 - 17:10	Fabio La Franca The BH mass – L_K relation in type 2 AGN
17:10 - 17:30	Federica Ricci Constraining the UV emissivity of AGN throughout cosmic time via X-ray surveys
17:40 - 18:00	COFFEE BREAK
18:00 - 18:20	Federica Duras The WISSH Quasars project: Probing the AGN/galaxy co-evolution in the most luminous quasars
18:20 - 18:40	Eleni Kalfountzou A benchmark study of Active Galactic Nuclei: Decoupling luminosity and evolution in the SEDs of AGN
18:40 - 19:00	ShangYu Sun NGC5506: variations on the theme of AGN obscuration
19:00 - 19:20	Guido Risaliti Quasars as standard candles

EVENING SESSION CLUSTERS

16:30 - 17:00 Invited	Eduardo Rozo Calibrating Cluster Masses
17:00 - 17:20	Stefano Ettori The mass in galaxy clusters from X-ray/SZ observables
17:20 - 17:40	Ben Maughan Hydrostatic and Caustic Mass Profiles of Galaxy Clusters.
17:40 - 18:00	COFFEE BREAK
18:00 - 18:20 Invited	Ian McCarthy Cosmological simulations & the interpretation of large surveys
18:20 - 18:40	Begoña Ascaso Cluster selection functions for next-generation surveys
18:40 - 19:00	Stefania Amodeo Calibrating the galaxy cluster mass scale for cosmology
19:00 - 19:20	Jethro Ridl Photometric redshifts from multi-chromatic optical imaging of X-ray galaxy clusters for precision cosmology

MORNING

Excursion at Delos: Time of departure from hotel will be announced

EVENING SESSION (COMMON)

16:00 - 16:30	Invited Clusters	Adam Mantz Cluster scaling relations and cosmology
16:30 - 16:50	Clusters	Alessandro Rettura Mass – Richness relations for X-ray – & SZE – selected Clusters at $0.4 < z < 2.0$ as seen by Spitzer at 4.5 μ m
16:50 - 17:20	Invited Clusters	Jean - Baptiste Melin SZ cosmology. Status & future directions
17:20 - 17:40	Clusters	Mariachiara Rossetti The Dynamical and cool – core state of Planck SZ – selected clusters
17:40 - 18:10		COFFEE BREAK
18:10 - 18:30	Clusters	Megan Donahue Cluster science with WFIRST
18:30 - 19:00	Invited AGN	Ioannis Georgantopoulos Obscured AGN
19:00 - 19:20	AGN	Cristian Vignali The search for heavily obscured AGN in the Chandra deep fields
19:20 - 19:40	AGN	Sotiria Fotopoulou The 12k AGN luminosity function
21:00		CONFERENCE DINNER

MORNING SESSION (COMMON)

09:00 - 09:30	Invited Clusters	Matt Jarvis Current & future radio surveys: from galaxies to cosmology
09:30 - 09:50	Clusters	Motokazu Takizawa Exploring the Intracluster Magnetic Fields through Radio and X-ray Observations
09:50 - 10:10	Clusters	Melanie Johnston - Hollitt A Catalogue of Relics and Halos from the MWA GLEAM Survey
10:10 - 10:30	Clusters	Emma Storm Shocks in galaxy cluster outskirts: the case of A3667
10:30 - 11:00	Invited AGN	David Alexander The connection between AGN activity and star formation
11:00 - 11:30		COFFEE BREAK
11:30 - 11:50	Clusters	Nobuhiro Okabe Joint X-ray and Subaru/HSC Weak - lensing Analysis of Very Nearby Galaxy Clusters
11:50 - 12:10	Clusters	Paul Giles Comparison of X-ray and optical clusters/groups from XXL and GAMA
12:10 - 12:50	Clusters	Jessica Democles X-ray morphological study of galaxy cluster catalogues
12:50 - 13:10	Clusters	Nicolas Martinet Weak Lensing Study of 16 DAFT/FADA Clusters: Substructures and Filaments
13:10 - 13:30	Clusters	Florence Durret Detection of filaments and LS structures around the DAFT/FADA clusters up to $z \sim 1$
13:30 - 16:30		NOON BREAK

POSTER SESSION

(Posters will be on display at all times during the conference)

AGN
Edwige Pezzulli Super-Eddington growth of the first black holes
Clusters
Maria Manolopoulou Galaxy cluster rotation
Clusters
Benoît Fournier Modeling the cluster physics in the L-Galaxies SAM: Hot gas properties and AGN feedback
Clusters
Florian Sarron Clusters of galaxies in the cosmic web
AGN
Gerrit Schellenberger NGC741: Mergers and AGN feedback at the galaxy group scale
AGN
Tatyana Sadibekova A comprehensive catalogue of X-ray detected nearby galaxies from the X-CLASS survey.
Clusters
Cathy Horellou Star formation at $z = 1.9$ in an XXL cluster of galaxies: the far-infrared to submillimeter view
Clusters
Gemma Luzzi Constraining the evolution of the CMB temperature with SZ and distance measurements

FRIDAY 17/6/2016
(EVENING)

EVENING SESSION CLUSTERS

16:30 - 17:00	Invited	Adam Muzzin IR – Selected Clusters at $z > 1$: Current Status and Future Prospects.
17:00 - 17:20		Bruno Altieri Searching for high- redshift galaxy clusters with Planck/Herschel"
17:20 - 17:40		Barbara Sartoris Next Generation Cosmology: Constraints from the Euclid Galaxy Cluster Survey
17:40 - 18:00		COFFEE BREAK
18:00 - 18:20		Madoka Itahana Suzaku Observations of the Galaxy Cluster 1RXS J0603.3+4214
18:20 - 18:40		Elena Rasia Baryonic Properties Evolution within Galaxy Clusters
18:40 - 19:00		Peter Thomas Chemical enrichment of the ICM
19:00 - 19:20		Fabrizio Nicastro Probing the Bow – Tie Density Distribution of Hot Baryons in and around the Milky Way
19:20 - 20:00		ROUND TABLE

EVENING SESSION AGN

16:30 - 16:50		Angela Bongiorno AGN host galaxy mass function of the XMM – COSMOS sample. Is AGN feedback responsible for mass quenching of galaxies?
16:50 - 17:10		Piero Ranalli The unabsorbed 2 - 10 keV luminosity function of AGN from the XMM – LSS, CDFS and COSMOS surveys
17:10-17:30		Minh Huynh The ATCA XXL - S 2.1 GHz Radio Survey: First results and preliminary AGN luminosity functions
17:30 - 18:00		COFFEE BREAK
18:00 - 18:20		Elias Koulouridis A realistic simulated X-ray AGN catalogue up to $z=3$: The when & how AGN affect the selection of XXL clusters
18:20 - 18:40		Salvatore Cielo Xray and numerical models of AGN jets in galaxy clusters
18:40 - 19:00		Andrea Negri AGN feeding and feedback: beyond sub - grid physics
19:20 - 20:00		ROUND TABLE

MORNING SESSION (COMMON)

09:00 - 09:30	Invited Clusters	Yannick Mellier Euclid
09:30 - 09:50		August Evrard Population statistics of Cluster Samples
09:50 - 10:10		Arya Farahi Forward modeling of cluster number counts
10:10 - 10:30		David Barnes Evolution of the Cluster Scaling Relations with MACSIS
10:30 - 10:50		Veronica Biffi On the nature of hydrostatic equilibrium in simulated galaxy clusters
10:50 - 11:30		COFFEE BREAK
11:30 - 11:50		Nhut Truong Scaling Relations of High-Redshift Simulated Clusters of Galaxies
11:50 - 12:10		Marco De Petris Coherent motions of ICM and dark matter in synthetic clusters of galaxies and their impact on kinetic SZ maps
12:10 - 12:30		Benjamin Mummery The physical impact of baryonic feedback and neutrino free-streaming on the abundances and internal structures of simulated cluster haloes
12:30 - 12:50		Ricardo Valdarnini Code performances in subsonic flows of an SPH scheme based on a matrix approach (Integral Approximation)
12:50 - 13:30		ROUND TABLE

END OF CONFERENCE

SATURDAY 18/6/2016