

Scientific Event Report

E **Research in Astrophysics from Space**

E1.19 **Physics of Galaxy Clusters**

Main Scientific Organizer *Bulbul, Esra*

Deputy Organizer *Smith, Randall*

Cluster microphysics: turbulence, bulk motions of the ICM

Date: Fri, Aug 05, 2016. Room: 3B32

E1.19-0001-16 09:30 - 10:00

The interaction of CMB photons with the hot gas in massive clusters of galaxies. Theory, observational results and their use for Cosmology

Sunyaev, Rashid

E1.19-0002-16 (WITHDRAWN) 10:00 - 10:15

Microphysics of intracluster plasma with high-resolution X-ray spectroscopy

Markevitch, Maxim; Wilson, Lynn; Jones, Thomas; Ryu, Dongsu; Brunetti, Gianfranco; Oh, Peng

E1.19-0003-16 10:15 - 10:45

Precipitation-Regulated Feedback

Voit, Mark

E1.19-0004-16 10:45 - 11:00 (solicited)

Searching for the 3.5 keV Line in the Hitomi Observations of the Perseus Cluster

Bulbul, Esra; Sunyaev, Rashid

Cluster surveys & evolution

Date: Fri, Aug 05, 2016. Room: 3B32

E1.19-0005-16 11:30 - 12:00 (solicited)

Hitomi observations of the Perseus Cluster / Constant metallicity in the outskirts of galaxy clusters

Werner, Norbert; Simionescu, Aurora; Urban, Ondrej; Allen, Steven

E1.19-0006-16 12:00 - 12:20

The XXL survey: first results on clusters of galaxy

Pacaud, Florian

E1.19-0007-16 12:20 - 12:40

Cluster Mass Distribution of the Hubble Frontier Fields - What have we learned?

Jean-Paul, Kneib Team: CATS

E1.19-0008-16 12:40 - 13:00

X-ray survey of galaxy clusters in the SDSS Stripe 82 region

Durret, Florence; Takey, Ali

Non-thermal emission (Radio relics and haloes), AGN-ICM interaction and AGN Feedback

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E1.19-0009-16 14:00 - 14:30 (solicited)

Diffuse Cluster Radio Emission and Particle Acceleration in the Intracluster Medium

Van Weeren, Reinout

E1.19-0010-16 (WITHDRAWN) 14:30 - 14:45

The Role of Outburst Shock Heating in AGN Feedback

Randall, Scott; Nulsen, Paul; Forman, William; Jones, Christine

E1.19-0011-16 14:45 - 15:00

XMM Newton Observations of Toothbrush Cluster

Kara, Sinancan; Mernier, Francois; De Plaa, Jelle; Ercan, Enise Nihal

E1.19-0012-16 (WITHDRAWN) 15:00 - 15:15

Radio Galaxy / ICM Interactions in Clusters of Galaxies Near and Far

Blanton, Elizabeth; Paterno-Mahler, Rachel; Randall, Scott; Douglass, Edmund; Wing, Joshua; Golden-Marx, Emmet; Ashby, M. L. N.; Brodwin, Mark; Clarke, Tracy; Sarazin, Craig; Anand, Gagandeep

E1.19-0013-16 (WITHDRAWN) 15:15 - 15:30

When Galaxy Clusters Collide: the impact of merger shocks on cluster gas and galaxy evolution

Stroe, Andra

Cluster mass profiles: X-ray, SZ, lensing, theory

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E1.19-0014-16 (WITHDRAWN) 17:00 - 17:30 (solicited)

Accurate cluster masses from weak lensing

Hoekstra, Henk

E1.19-0015-16 17:30 - 17:45

The mass in galaxy clusters from X-ray/SZ observables

Ettori, Stefano

E1.19-0016-16 (WITHDRAWN) 17:45 - 18:00

On the Nature of Hydrostatic Equilibrium in Galaxy Clusters

Rasia, Elena; Biffi, Veronica; Borgani, Stefano; Murante, Giuseppe; Planelles, Susana

E1.19-0017-16 18:00 - 18:15

XMM-Newton Studies of Baryonic Mass Fraction of Galaxy Clusters

Hudaverdi, Murat; Aktekin, Ebru; Ezer, Cemile; Ercan, Enise Nihal; Unver, Onur

E1.19-0018-16 18:15 - 18:30

Detection of a new extragalactic WHIM filament towards PG 1116+215 with Chandra and HST

Bonamente, Massimiliano

Poster Program

Author in Attendance: Thursday, 15:30 - 17:00, Poster area: B1 Poster Area

STW = Sunday, Tuesday, Wednesday / TFS = Thursday, Friday, Saturday

TFS-194 E1.19-0021-16

Chandra View of Galaxy Cluster Abell 2554

Erdim, Muhammed Kiyami; Hudaverdi, Murat

TFS-195 E1.19-0022-16

X-Ray Nature of Abell Sources Super Galaxy Clusters

Tanriver, Mehmet; Hudaverdi, Murat; Koçer, Hüseyin

TFS-197 E1.19-0024-16

New Statistical Perspective to Link Void Distributions with Galaxy Clusters

Russell, Esra; Pycke, Jean-Renaud

TFS-200 E1.19-0028-16

Comparison of X-ray and optically selected galaxy clusters in the XXL-N field

Alis, Sinan; Benoist, Christophe; Pacaud, Florian; Maurogordato, Sophie; Clerc, Nicolas; Pierre, Marguerite; Faccioli, Lorenzo; Sadibekova, Tatyana

TFS-201 E1.19-0029-16

Searching for intermediate groups of galaxies with Suzaku in Bootes field

Tawara, Yuzuru; Mitsuishi, Ikuyuki

TFS-202 E1.19-0030-16

Role of peculiar velocity of galaxy clusters in gravitational clustering of cosmological many body problem

Masood, Tabasum

TFS-203 E1.19-0031-16

Effects of modified gravity in galactic clustering

Verma, Murlu; Yadav, Bal Krishna

TFS-205 E1.19-0033-16

Suzaku Observations of Chemical Enrichment History of Galaxy Cluster A3112

Ezer, Cemile; Bulbul, Esra; Ercan, Enise Nihal

TFS-206 E1.19-0034-16

An overview of the first results from the XXL cluster survey

Alis, Sinan; Pierre, Marguerite

TFS-207 E1.19-0035-16

X-ray Observation of an Ongoing Merger at the Galaxy Cluster Abell 3653

Caglar, Turgay; Hudaverdi, Murat

TFS-208 E1.19-0036-16

X-ray morphological study of galaxy cluster catalogues

Democles, Jessica; Arnaud, Monique; Pierre, Marguerite

Poster Program

Author in Attendance: Friday, 15:30 - 17:00, Poster area: B1 Poster Area

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Poster Program

Author in Attendance: Saturday, 15:30 - 17:00, Poster area: B1 Poster Area

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