

## **Session Program**

**8-13 Sept 2019**



# **X-RAY ASTRONOMY 2019**

*Current Challenges and New Frontiers in the Next Decade*

8-13 September 2019

CNR/INAF Research Area, Bologna, Italy

## **X-RAY ASTRONOMY 2019**

### ***HOT AND DIFFUSE BARYONS***

# Tuesday 10 September

14:20

## HOT AND DIFFUSE BARYONS: (1)

**Session** | **Location:** Area della Ricerca CNR-INAF via Gobetti 101 40129 Bologna ITALY

14:20–14:50 **X-ray observations of the physics in galaxy clusters**

**Speaker**

Jeremy Sanders

14:50–15:05

**X-raying the Planck legacy: X-ray properties of SZ-selected galaxy clusters**

**Speaker**

Mariachiara Rossetti

15:05–15:20

**Heating and Acceleration at Galaxy Cluster Shocks: Insights from NuSTAR**

**Speaker**

DANIEL WIK

15:20–15:35

**Exploring the Virialization Region of Merging Galaxy Clusters**

**Speaker**

Dr Scott Randall

15:35–15:50

**Shocking news from the ICM**

**Speaker**

Andrea Botteon

15:50–16:05

**Galaxy groups in the local universe: results from a complete sample**

**Speaker**

Ewan O'Sullivan

16:05

16:30

## HOT AND DIFFUSE BARYONS: (2)

**Session** | **Location:** Area della Ricerca CNR-INAF via Gobetti 101 40129 Bologna ITALY

16:30–17:00 **Cosmology with galaxy clusters: the role of X-rays**

**Speaker**

Stefano Ettori

17:00–17:25

**Probing cluster formation from cosmic noon to cosmic dawn**

**Speaker**

Dr Roderik Overzier

17:25–17:40

**Hot ISM in early-type galaxies with stellar and AGN feedback: X-ray diagnostics of the origin and evolution of the hot gas**

**Speaker**

Prof. Silvia Pellegrini

17:40-17:55

**Quantitatively defining consistent relaxed galaxy cluster samples for precision cosmology with impending surveys**

**Speaker**

Dr David Barnes

17:55-18:10

**Hot Gaseous Halos in Early Type Galaxies**

**Speaker**

Dong-Woo Kim

18:10-18:25

**MAPPING THE OUTER REGIONS OF HIGH-Z CLUSTERS COMBINING X-RAY AND SZ OBSERVATIONS**

**Speaker**

Vittorio Ghirardini

18:25

# Wednesday 11 September

09:00

## **HOT AND DIFFUSE BARYONS: (3)**

**Session** | **Location:** Area della Ricerca CNR-INAF via Gobetti 101 40129 Bologna ITALY

09:00–09:25

### **Inter Galactic Medium at high spectral resolution**

**Speaker**

Fabrizio Nicastro

09:25–09:40

### **X-rays from the Cosmic Web: The Case of Abell 133**

**Speaker**

Thomas Connor

09:40–09:55

### **Supernovae-driven Galactic Outflows and the X-ray Emission and Absorption of Hot Circumgalactic Medium**

**Speaker**

Dr Miao Li

09:55–10:10

### **Searching for the hot and diffuse baryons in the Universe via surface brightness fluctuations of cosmic X-ray background**

**Speaker**

Dr Alexander Kolodzig

10:10