

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

**COMPACT AND DIFFUSE SOURCES IN GALAXIES &
IN THE GALACTIC CENTER**

Monday 9 September

15:40

COMPACT AND DIFFUSE SOURCES IN GALAXIES & IN THE GALACTIC CENTER: (1)

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

15:40-16:10 **X-raying the Milky Way Center**

Speaker

Gabriele Ponti

16:10-16:25

Sgr A* recent past activity from the X-ray echoes propagating in the Central Molecular Zone

Speaker

Dr Andrea Goldwurm

16:25

16:55

COMPACT AND DIFFUSE SOURCES IN GALAXIES & IN THE GALACTIC CENTER: (2)

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

16:55-17:25 **Accreting black holes in X-ray binaries**

Speaker

Dr Julien Malzac

17:25-17:40

The demographics and formation rate of X-ray binaries in nearby galaxies

Speaker

Andreas Zezas

17:40-17:55

Investigating Supergiant Fast X-ray Transients within the XMM-Newton EXTrAS project

Speaker

Lara Sidoli

17:55-18:10 **A new detection of pulsations from an old ULX**

Speaker

Tim Roberts

18:10-18:25 **Diffuse X-ray emission around an ultraluminous X-ray pulsar**

Speaker

Andrea Belfiore

18:25

Tuesday 10 September

09:00

COMPACT AND DIFFUSE SOURCES IN GALAXIES & IN THE GALACTIC CENTER: (3)

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

09:00-09:15

The unusual broadband X-ray continuum variability seen from Ultraluminous X-ray Sources

Speaker

Dominic Walton

09:15-09:30

Super-critical accretion - the case for jetted ULXs

Speaker

Dr Matthew Middleton

09:30-09:45

An Accretion-Ejection paradigm for compact objects

Speaker

pierre-olivier petrucci

09:45-10:00

X-raying stellar winds in high mass X-ray binaries

Speaker

Victoria Grinberg

10:00-10:15

A highly ionised disc wind in Hercules X-1

Speaker

Peter Kosec

10:15-10:30

X-ray Binary Luminosity Function Scaling Relations for Local Galaxies Based on Subgalactic Modeling

Speaker

Prof. Bret Lehmer

10:30-10:45

Connecting the metallicity dependence and redshift evolution of HMXBs

Speaker

Francesca Fornasini

10:45-11:00

Green Peas - the X-ray brightest star forming galaxies?

Speaker

Jiří Svoboda

11:00

11:30

COMPACT AND DIFFUSE SOURCES IN GALAXIES & IN THE GALACTIC CENTER: (4)

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

11:30-11:55

Recent progress on X-ray study of supernova remnants as remnants of supernovae

Speaker

Dr Aya Bamba

11:55-12:10

Investigating the X-ray Emission from high X-ray Luminosity Supernovae

Speaker

Dr Vikram Dwarkadas

12:10-12:35

X-Ray Emission from Accreting White Dwarfs

Speaker

Koji Mukai

12:35-12:50

High-resolution X-ray spectroscopy of the interstellar dust

Speaker

Daniele Rogantini

12:50