

**Session Program**

**6-12 Sept 2020**

**IWARA2020 Video Conference - 9th  
International Workshop on Astronomy and  
Relativistic Astrophysics**

***X- & CR RAYS, QM, SNOVAE, GRAVITY, DM,  
COSMOLOGY, PARTICLES, COMPACT STARS,  
GALAXIES***

## Tuesday 8 September

13:30

### X- & CR RAYS, QM, SNOVAE, GRAVITY, DM, COSMOLOGY, PARTICLES, COMPACT STARS, GALAXIES: Parallel Session Discussions

Session

13:30-13:37

#### BH Mass, Jet and Accretion Disk Connection: An Analysis of Radio-loud and Radio-quiet Quasars

**Speaker**

Ms Avinanda Chakraborty

13:37-13:44

#### Thermo-dynamical effects on FRW cosmological model for various Dark Energy

**Speaker**

Bishnukar Nayak

13:44-13:51

#### Dark photons in a Higgs Stueckelberg model for dark matter

**Speaker**

Dimiter Hadjimichef

13:51-13:58

#### Quantum magnetic collapse of a partially bosonized npe-gas: implications for astrophysical jets

**Speaker**

Gretel Quintero Angulo

13:58-14:05

#### Thermodynamic consequences for modified Rastall gravity

**Speaker**

José Alberto Casto Nogales Vera

14:05-14:12

#### Possible role of fragmentation and accretion on the stellar Initial Mass Function?

**Speaker**

Rafeel Riaz

14:12-14:19

#### Gravitational memory effects and Bondi-Metzner-Sachs symmetries in scalar-tensor theories

**Speaker**

Shaoqi Hou

14:19-14:26

#### The Graphical Presentation of 4-Dimensiona Spacetime Worldline and the Existence of Objects Inferred from the Worldline

**Speaker**

Dr Yuxiang Wu

14:26