



Contribution ID: 29

Type: **not specified**

Understanding the AGN accretion and ejection physics with SKA

Thursday, 30 November 2023 09:20 (20 minutes)

The accretion-ejection mechanism acting in Active Galactic Nuclei (AGN) is one of the main astrophysical open issues, being connected to the role of AGN feedback in galaxy formation evolution studies. Radio Quiet AGN constitute the large majority of radio sources in the sky. The absence of luminous jets allows us to investigate their radio emission originating from a wide range of possible mechanisms, from the host galaxy kpc scale down to the innermost region near the SMBHs: star formation, AGN driven wind, free-free emission from photo-ionized gas, low power jet, and the innermost accretion disc coronal activity. All these mechanisms will be probed with unprecedented sensitivity and spatial resolution with SKA, in particular by exploiting its VLBI capabilities.

Research area

Extragalactic Continuum (galaxies/AGN, galaxy clusters)

Primary author: Dr PANESSA, Francesca (Istituto Nazionale di Astrofisica (INAF))

Presenter: Dr PANESSA, Francesca (Istituto Nazionale di Astrofisica (INAF))

Session Classification: Parallel - Galaxy Evolution & AGN