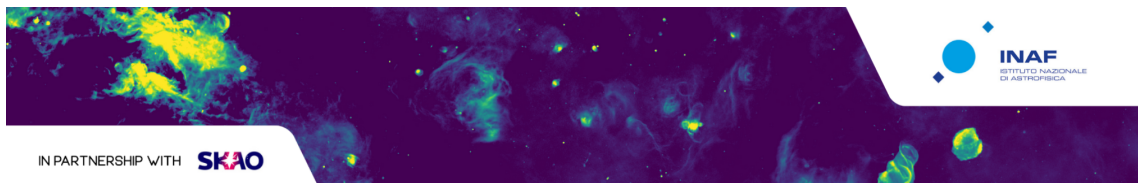


Session Program

24-28 Nov 2025



The Fifth National Workshop on the SKA Project

Cosmology

Bologna, Area della Ricerca del CNR , Centro Congressi
Via P. Gobetti 101

Tuesday 25 November

10:30

Cosmology

Session | **Location:** Bologna, Area della Ricerca del CNR , Centro Congressi, Via P. Gobetti 101 | **Convener:** Chair: Andrei Mesinger

10:30-10:45 **Introduction - Report from SWG**

Speaker

Stefano Camera

10:45-11:00 **Detecting of the HI auto-power spectrum with MeerKAT data**

Speaker

Matilde Barberi Squarotti

11:00

11:30

Cosmology

Session | **Location:** Bologna, Area della Ricerca del CNR , Centro Congressi, Via P. Gobetti 101 | **Convener:** Chair: Andrei Mesinger

11:30-11:45 **The EMU Cosmology Project**

Speaker

Benedict Konrad Wilhelm Bahr Kalus

11:45-12:00

Probing the post-reionization HI distribution using the redshifted 21-cm marked power spectrum

Speaker

Mohammad Kamran

12:00-12:15

Illuminating the dark Universe through strong gravitational lensing in the SKA era

Speaker

Cristiana Spingola

12:15-12:30

Using SKAO to understand the clustering of gravitational wave sources

Speaker

Michele Bosi

12:30-12:45 **Dipole analyses of cosmic radio background with SKA**

Speaker

Carlo Burigana

12:45-13:00 **Measuring our peculiar velocity with SKAO**

Speaker

Bartolomeo Bottazzi Baldi

13:00