

Session Program

22-26 Sept 2025

LOFAR Family Meeting 2025

Poster flash talks

Institut de Physique du Globe de Paris
1 Rue Jussieu 75005 Paris France

Monday 22 September

16:00

Poster flash talks

Session | **Location:** Institut de Physique du Globe de Paris, 1 Rue Jussieu 75005 Paris France

16:00–16:01

The LBA view of bright radio galaxies and their science with long baselines

Speaker

Jort Boxelaar

16:01–16:02

Evolution of large-scale magnetism through radio observations

Speaker

Gabriella Di Gennaro

16:02–16:03

Tracking AGN Recurrent Activity: A Spectral Ageing Study of Giant DDRGs

Speaker

Mousumi Mahato

16:03–16:04

Probing the environments of FRI and FRII radio galaxies in LoTSS DR2 with galaxy clusters

Speaker

Tong Pan

16:05–16:06

ViCTORIA project: exploring galaxy evolution and magnetic fields in the Virgo Cluster with LOFAR and MeerKAT

Speaker

Alessandro Benati

16:06–16:07

Interpreting the 21-cm signal with accurate simulations : impact of Bayesian inference methods and modelling uncertainty

Speaker

Romain Meriot

16:07–16:08

Probing clusters outskirts: what can megahalos tell us?

Speaker

Matteo Cianfaglione

16:08–16:09

Tracing the growth and evolution of double-lobed radio quasars to $z \sim 4.2$ with a large sample

Speaker

Dr Pratik Dabhade

16:09–16:10

Role of environment in the jet powering mechanism in radio quasars - insights from the LOFAR Two-metre Sky Survey (LoTSS)

Speaker

Bohan Yue

16:10-16:11

Identification of H II Regions through Cross-Matching LOFAR LoTSS DR-3 and WISE Catalogs**Speaker**

Patrycja Szybowska

16:11-16:12

Widefield LOFAR-VLBI + Euclid: Selecting dusty, outflowing AGN missed by spectroscopic surveys**Speaker**

James Petley

16:12-16:13

Investigating the filamentary emission of radio phoenixes**Speaker**

Nadia Biava

16:13-16:14

Evolution of radio-AGN across cosmic time: new insights from LOFAR Deep Fields**Speaker**

Rohit Kondapally

16:15-16:16

Echoes from the Edge: Unusual Radio Emission in the Outskirts of Abell 168**Speaker**

Duy Hoang

16:16-16:17

ViCTORIA project: The LOFAR-MeerKAT view of active galactic nuclei in Virgo cluster early-type galaxies**Speaker**

Angelina Spasic

16:17-16:18

Evolution of radio AGN up to $z \sim 6$ with LOFAR**Speaker**

Lars Abbo

16:18-16:19

The evolution of extragalactic peaked-spectrum sources down to 54 megahertz**Speaker**

Sai Zhai

16:20

Thursday 25 September

16:00

Poster flash talks

Session | **Location:** Institut de Physique du Globe de Paris, 1 Rue Jussieu 75005 Paris France

16:00–16:01 **Calibrating LOFAR data for solar physics using a sun model**

Speaker

Hyoyin Gan

16:01–16:02 **Interplanetary scintillation for diagnostic of the Solar Wind.**

Speaker

Barbara Matyjasiak

16:02–16:03 **Galaxy detection with deep learning in radio data**

Speaker

David Cornu

16:03–16:04

Investigating Extreme Ionospheric Conditions with LOFAR: A Focus on the Mother's Day Superstorm

Speaker

Rebecca Ghidoni

16:04–16:05

Comprehensive study of type II radio bursts and the properties of the associated shock waves

Speaker

Karthik Bhandari

16:06–16:07

Preliminary results of observing ionosphere activity using 3C sources

Speaker

Jānis Šteinbergs

16:07–16:08

The solar radio bursts observations with LOFAR Baldy station and two CALLISTO spectrometers

Speaker

Dr Bartosz Dabrowski

16:08–16:09

Magnetic Field Geometry and Anisotropic Scattering Effects on Solar Radio Burst Observations

Speaker

Daniel Clarkson

16:09–16:10

Exploring the LOFAR properties of the CARMENES M-dwarf star systems

Speaker

Etienne Bonnassieux

16:10-16:11 Investigating double bump air showers**Speaker**

Prof. Stijn Buitink

16:11-16:12**Correlation between diffuse gas phases and Faraday tomographic data : a numerical point of view****Speaker**

Jack Berat

16:12-16:13**Ionospheric and solar activity constraints on LOFAR observation scheduling****Speaker**

Aleksandar Shulevski

16:13-16:14**Characterising the Sensitivity Pattern of the Irish LOFAR Station (IE613) using Pulsar Observations****Speaker**

Letizia Vincetti

16:14-16:15**A study of the diffuse emission of the Fan region with QUIJOTE experiment****Speaker**

Beatriz Ruiz-Granados

16:15-16:16**LOFAR Ionospheric Research Group: Advancing Ionospheric Science with LOFAR****Speaker**

Dorota Przepiórka-Skup

16:16-16:17**Imaging uncalibrated LOFAR data for real-time transient hunts****Speaker**

Lars Zwaan

16:17-16:18**Investigation on resonant plasma structures and their role on ionospheric radio diagnostics by using LOFAR and GNSS Data and Modelling****Speaker**

Leszek Błaszkiwicz

16:18-16:19**Towards the first LoTSS catalog of diffuse cluster radio sources with machine learning****Speaker**

Chiara Stuardi

16:20