

Session Program

9 December 2025

BiCoQ Poster Festival 2025 - 3rd Annual departmental workshop

Post-doc poster session

Bicocca , Galleria della Scienza

Tuesday 9 December

09:30

Post-doc poster session

Session | **Location:** Bicocca , Galleria della Scienza

09:30–09:35 **When Quasars Speak, AI Listens**

Speaker

Francesco Pistis

09:35–09:40 **Microwave single-photon source for quantum sensing of Dark Matter**

Speaker

Danilo Labranca

09:40–09:45 **Towards a full model of LISA Galactic noise**

Speaker

Riccardo Buscicchio

09:45–09:50

A Novel Experimental Electrochemical Impedance Spectroscopy Platform for High-Resolution Detection of Reactive Species in Plasma-Treated Water

Speaker

Saeedeh Khosravi

09:50–09:55 **Cosmogenic activation of archPb-based RES-NOVA crystals**

Speaker

Simone Quitadamo

09:55–10:00 **Aerospace Accelerometer Front-end for Orbital Calibration**

Speaker

Mattia Tambaro

10:00–10:05 **Geant4 Optical Simulation in Liquid Argon**

Speaker

Luca Meazza

10:05–10:10 **International Pulsar Timing Array Data Release 3.0**

Speaker

Golam Mohiuddin Shaifullah

10:10–10:15 **Exploring the unknown: BAUSCIA**

Speaker

Matteo Borghesi

10:15–10:20

«The devil is in the details»: constraining the gas driving galaxy evolution

Speaker

Nicolas Ledos

10:20–10:25

Nuclear Physics for Cultural Heritage: advancement in X-ray and neutron imaging**Speaker**

Luisa Vigorelli

10:25–10:30

Virtual histology and AI: new tools for sample investigation and improved diagnosis**Speaker**

Michela Ascolese

10:30–10:35

An online trigger for RES-NOVA: real time neutrino astronomy**Speaker**

Nahuel Ferreiro Iachellini

10:35–10:40

Mapping species in S-DBD plasma using differential optical absorption spectroscopy**Speaker**

Nitesh Joshi

10:40–10:45

Measurement of the longitudinal D* polarization fraction @ LHCb**Speaker**

Davide Fazzini

10:45–10:50

Ultra-sensitive analysis of U, Th and K in the liquid scintillator of the JUNO experiment**Speaker**

Andrea Barresi

10:50–10:55

Multi-machine analysis towards the optimization of DTT plasma scenarios**Speaker**

Lorenzo Aucone

10:55–11:00

Cellular disruption using cold plasma for sanitizing foul air**Speaker**

Ajinkya Mahadev Trimukhe

11:00–11:05

SiCNeutron Detectors for Harsh Environments: Enhancing the Dynamic Range through Partial Depletion Operation**Speaker**

Matteo Hakeem Kushoro

11:05–11:10

RF Characterization of a 16 nm FinFET Technology for Cryogenic Quantum Computing Applications**Speaker**

Federico D'Aniello

15:00