

Session Program

9 December 2025

BiCoQ Poster Festival 2025 - 3rd Annual departmental workshop

PhD poster session

Bicocca , Galleria della Scienza

Tuesday 9 December

09:30

PhD poster session

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

09:30-09:35

A Quantum Antenna searching for Dark Matter

Speaker

Roberto Moretti

09:35-09:40

Neutrino mass sensitivity for HOLMES+ experiment

Speaker

Sara Gamba

09:40-09:45

Is it already time to move beyond qubits? The Power of Qudits

Speaker

Rodolfo Carobene

09:45-09:50

Feasibility Study of a Gamma-Ray Detector for Fusion Power Measurement at the SPARC Tokamak

Speaker

Simone Lorenzo Fugazza

09:50-09:55

nuSCOPE: the first monitored and tagged neutrino beam

Speaker

Filippo Bramati

09:55-10:00

Rapid 210-Pb assay for monitoring the purification of archaeological lead for the RES-NOVA experiment

Speaker

Marco Consonni

10:00-10:05

Uncertainties in parameter estimation for starless halos

Speaker

Francesco Turini

10:05-10:10

Searching for massive black hole pairs at different scales

Speaker

Lorenzo Bertassi

10:10-10:15

Innovative scintillating nanocomposites for physics research

Speaker

Emanuele Mazzola

10:15-10:20

Towards the time-like pion form factor beyond the elastic regime using domain-wall QCD

Speaker

Gabriele Morandi

10:20-10:25

POLOCALC & HoverCal drone system: Attitude reconstruction software**Speaker**

Federico Astori

10:25-10:30

Strong interactions in the early Universe**Speaker**

Pietro Rescigno

10:30-10:35

Study of discharges with X-rays at the High Voltage Padova Test Facility**Speaker**

Federico Caruggi

10:35-10:40

Coherent state detection for light dark matter searches using a multi-qubit sensor**Speaker**

Marco Gobbo

10:40-10:45

Mixing and CPV in the $D^0 \rightarrow K_S h^+ h^-$ decays with the bin-flip method**Speaker**

Alessia Anelli

10:45-10:50

Exploring Analog Circuits in Advanced 7nm FinFET Technology**Speaker**

Matteo Chiariello

10:50-10:55

Compact Modeling and HEMT Characterization for Microwave and Millimeter-Wave Applications**Speaker**

Antonio Mordà

10:55-11:00

Unveiling the Universe's backbone: direct imaging of the Cosmic Web**Speaker**

Davide Tornotti

11:00-11:05

The importance of EM Signatures of Massive Black Hole Binaries**Speaker**

Fabiola Cocchiararo

11:05-11:10

Finite-volume effects on smeared spectral densities**Speaker**

Francesca Argia Bresciani

11:10-11:15

Fast and Low-noise Amplifying System for SiPM Characterization in a Wide Temperature Range

Speaker

Davide Trotta

11:15-11:20

Real-time implementation of spectroscopy measurements at the ASDEX Upgrade tokamak**Speaker**

Beatrice Tosto

11:20-11:25

Population inference of Galactic binaries from LISA's stochastic foreground**Speaker**

Federico De Santi

11:25-11:30

Absolute measurements of 14MeV neutrons with diamond detectors**Speaker**

Letizia Giulietta Tedoldi

11:30-11:35

Search for $B(c)^+ \rightarrow \ell + \nu \gamma$, $\ell = \mu, e$ at LHCb with Run 3 data**Speaker**

Alice Moro

11:35-11:40

Timing Low Energy Neutrino Events in DUNE**Speaker**

Federico Galizzi

11:40-11:45

Analog Leaky Integrate-And-Fire Neuron in 7 nm FinFET Technology**Speaker**

Lorenzo Stevenazzi

15:00