# INFN School on Underground Physics (SoUP2024)

## Wednesday, 16 October 2024

**Poster Session: Poster session - Sala Giovanni Andrea Caligari, Rocca Vescovile (16:45 - 17:30)**

| [id] title | presenter | board |
|---|---|---|
| **[32] Migdal effect in dark matter direct detection** | AL-ADULRAZZAQ, Aula | |
| **[33] The Gd-loaded Neutron Veto of XENONnT experiment** | ANGELINO, Emanuele | |
| **[34] Coating based radon barriers for future liquid xenon detectors** | ARMBRUSTER, Sophie | |
| **[35] ProtoDUNE-HD Photon Detection System: IV curve and Vbd determination** | BALBONI, Anna | |
| **[36] LZ Calibrations: MCMC tuning of electron recoil interactions** | BARILLIER, Erin | |
| **[37] Measuring infrared light in xenon** | BOESE, Kai | |
| **[38] Reflectivity measurements of VUV light at the scintillation wavelength of xenon on XENON1T/nT PTFE samples** | BRAUN, Robert | |
| **[39] Laser calibration system at ProtoDUNE-HD** | CAMPANELLI, Wallison | |
| **[40] Monitoring of LZ's Outer Detector and R&D for Next-Generation Experiments** | CARTER, Megan | |
| **[41] Reactor antineutrino analysis in JUNO** | CHEN, Ze | |
| **[42] The CRESST experiment** | CIPELLI, Eleonora Rebecca | |
| **[43] BULLKID: Array of particle absorbers sensed by Kinetic Inductance Detectors** | DELICATO, Daniele | |
| **[44] The ever elusive blazar host galaxies: a guide to their characterisation** | DELUCCHI, Gaia | |
| **[45] STAR: a cryogenic LXe test facility for the characterization of innovative electrodes for the DARWIN experiment** | DI DONATO, Chiara | |
| **[46] Construction of the inner detector of DArTinArDM** | DÍAZ MAIRENA, Daniel | |
| **[47] Optimizing the TES design for diamond cryogenic detectors** | DOMINSKY, Felix | |
| **[48] Physics reach of the BULLKID-DM experiment: background and sensitivity limits** | FOLCARELLI, Matteo | |
| **[49] Development of Hermetic Xenon Time Projection Chamber for Reducing 222Rn Background** | FUJIKAWA, Koki | |
| **[50] Searching for Coherent Elastic Neutrino-Nucleus Scattering (CEvNS) with the NUCLEUS detectors** | GIAMMEI, Marco | |
| **[51] Development of Position Reconstruction in the LUX-ZEPLIN Outer Detector** | HALL, Tea | |
| **[52] The Cygno Experiment** | Dr ISLAM, Zahoor ul | |
| **[53] SABRE-North Experiment for Dark Matter detection** | KHATTAK, Sana Gul | |
| **[54] Solar Neutrino Studies in JUNO** | KONISSERY SANTHOSH, Ujwal | |
| **[55] Detection of neutrinos from astronomical sources in JUNO** | MALABARBA, Marco | |
| **[56] Event reconstruction with machine learning techniques** | MERZ, Johannes | |

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| **[57] Characterization and validation of SiPM for the DUNE Far Detector Photon Detection System** | MONTAGNA, Elisabetta | |
| **[58] Weak decay search with XENONnT** | OUAHADA, Sana | |
| **[59] Searching for dark matter in high energy nuclear recoils at the Lux Zeplin experiment.** | PANNIFER, Nathan | |
| **[60] JUNO calibration campaign for NMO determination** | PERCALLI, Elisa | |
| **[61] Data-Driven Field Distortion Correction Maps for the XENONnT experiment** | RAVINDRAN, Ananthakrishnan | |
| **[62] Novel Photo- detection systems in Liquid Argon TPCs SiPM - The ARIADNE and PHAIDRA experiment** | RAVINTHIRAN, Sudikshan | |
| **[63] Design and test of the lens based optical detector for SAND in the DUNE experiment** | REPETTO, Silvia<br>REPETTO, Silvia | |
| **[64] The tracking system of SAND at the DUNE Near Detector** | RUGGERI, Alessandro | |
| **[65] Analysis techniques for spotting 0vbb signals in LEGEND-200 data** | SALEH, Giovanna<br>SALEH, Giovanna | |
| **[66] The neutrinoless double beta decay experiment LEGEND- R&D on wavelength shifting materials for the liquid argon instrumentation** | SENATORE, Gloria | |
| **[67] R&D Towards Next Generation Dark Matter Experiment at Boulby** | TRANTER, Jemima | |
| **[68] Development of a Trace Hydrogen Measurement Method for Quantitative Evaluation of Tritium Concentration in Liquid Xenon** | UTOYAMA, Mitsuki | |
| **[69] Study of impact of an aluminium layer as a shield against magnetic fields** | ZANIRATO, Marco Maria | |