

Quantum Technologies for Fundamental Physics

Saturday, September 2, 2023

.: Poster Session & Reception (4:30 PM - 6:00 PM)

| time | [id] title | presenter |
|---------|---|-----------------------|
| 4:30 PM | [81] Comparing Quantum and Classical Machine Learning for Vector Boson Scattering Background Reduction at the Large Hadron Collider | CUGINI, Davide |
| 4:35 PM | [82] A protocol for global multiphase estimation | CHESI, Giovanni |
| 4:40 PM | [83] Overview of available piezo-based nano-positioners for operation into mK range | PISCHALNIKOV, Yuriy |
| 4:45 PM | [84] Best Sensitivity to Wavelike Dark Photon Dark Matter with SRF Cavities | CERVANTES, Raphael |
| 4:50 PM | [85] A cryogenic muon veto for superconducting quantum bits | MARIANI, Ambra |
| 4:55 PM | [86] Native 3-body interactions for quantum annealing with trapped ions | NAGIES, Sebastian |
| 5:00 PM | [87] Design, fabrication and characterization of a ultra-high-Q resilient Nb3Sn resonant cavity | Dr RETTAROLI, Alessio |
| 5:05 PM | [88] NbTi Thin Film SRF Cavities for Dark Matter Search | MARCONATO, Giovanni |
| 5:10 PM | [89] A SRF Cavity Detector for Gravitational Waves | FISCHER, Lars |
| 5:15 PM | [90] Formulation of the Electric Vehicle Charging and Routing Problem for a Hybrid Quantum-Classical Search Space Reduction Heuristic | BOTTARELLI, Alberto |
| 5:20 PM | [91] Loophole-free Bell Inequality Violation with Superconducting Circuits | KULIKOV, Anatoly |