

Session Program

Oct 12 - 16, 2025



Low-Level Radio Frequency (LLRF) Workshop 2025

Poster Session 2 (Software, SRF Ctrl, Timing, Meas & Ctrl, Other)

Newport News Marriott at City Center
740 Town Center Drive, Newport News, Virginia 23606

Wed, October 15

4:00 PM

Poster Session 2 (Software, SRF Ctrl, Timing, Meas & Ctrl, Other): Coffee/Light Refreshments Available in the Exhibit and Poster Hall

Poster Session |

Location: Newport News Marriott at City Center, 740 Town Center Drive, Newport News, Virginia 23606 |

Conveners:

Jayendrika Tiskumara, Samson Mai, Larry Doolittle, Arshdeep Singh, Rajesh Sreedharan, Maciej Urbanski, Jorge Diaz Cruz, Nicholas Ludlow, Philip Varghese, Kiyomi Seiya, Bozo Richter, Bartosz Gasowski, Kai Xu, Michael Brown, Alice Autuori, Xuefang Huang, Jiayi Peng, Timothy Madden, Kyle Fahey

LLRF Upgrades for Studying Transient Beam-Loading in RHIC 28 MHz Accelerator Cavity for the Electron-Ion Collider

Speaker

Arshdeep Singh

Development of an FPGA-based Cavity Simulator for Testing RF Controls

Speaker

Arshdeep Singh

A Phase-Stable, Low-Loss, High-Directivity 162.5 MHz Coupler for Use in a Phase Reference Distribution Line

Speaker

Bartosz Gasowski

Resonant filling for long pulse operation of EuXFEL using iterative learning based feed forward

Speaker

Bozo Richter

Identifying the source of beam loss events with Fast Data Acquisition (DAQ) Chassis

Speaker

Jayendrika Tiskumara

LEMP LLRF Firmware and Software

Speaker

Jorge Diaz Cruz

Integrated Automation in SHINE LLRF Control System: Design, Implementation and Performance

Speaker

Mr kai xu

Few-Femtosecond Synchronization of Independent Beamlines in High-Power Laser Facilities via a Fully-Automated Fiber-Optic Timing System

Speaker

Alice Autuori

Analysis of Required Anode Current in High-Intensity Proton Operations Using LLRF signals and Phasor diagram

Speaker
Kiyomi Seiya

Transitioning to EPICS at EIC: PSCDrv

Speaker
Kyle Fahey

Obvious and non-obvious aspects of digital Self-Excited-Loops for SRF cavity control

Speaker
Larry Doolittle

Phase drift Performance of Coaxial Cables for Phase Reference Distribution Systems

Speaker
Mr Maciej Urbański

The RF Test of the FPGA Based Digital Low-Level RF Control System for the LANSCE Proton Storage Ring

Speaker
Dr Michael Brown

LCLS-II-HE PHASE REFERENCE LINE

Speaker
Nicholas Ludlow

Update on PIP-II beam pattern generator upgrade

Speaker
Dr Philip Varghese

Status of DLLRF System Development for Soleil-II Project

Speaker
Mr Rajesh SREEDHARAN

Baseband Digital Network Analyzer Upgrade for LLRF Controllers

Speaker
Samson Mai

RF Data Acquisition System for the APS Upgrade

Speaker
Timothy Madden

LLRF Control System for S-Band Deflecting Cavity at SHINE

Speaker
xuefang huang

RF modeling of EM cavity resonator in Simulink

Speaker
Temo Vekua

Fault Prediction and Diagnosis for SRF Systems-Focus on RF Power Source Failures

6:00 PM

Speaker

Jiayi Peng