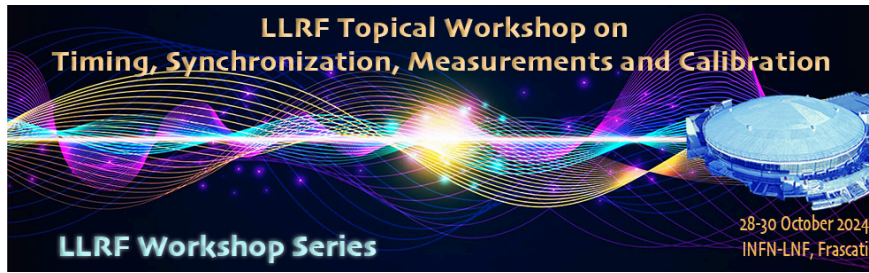


LLRF Topical Workshop - Timing, Synchronization, Measurements and Calibration



Contribution ID: 18

Type: Oral

Timing and synchronization experience and future plans at LNF

Wednesday, 30 October 2024 12:30 (25 minutes)

New experiments and particle accelerator R&D programs at LNF are pushing the requests on beam stability and reliability towards the limit of the present technology. This drives the study on timing (event management and trigger distribution, down to ps scale) and synchronization (high frequency reference signal generation and distribution, down to fs scale). This presentation will give an overview on the challenges that we are facing and on the techniques and methods that we are adopting to meet the experiments demands. Future plans for new developments and installations are also reported.

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Session Classification: Synchronization

Track Classification: Synchronization