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LLRF Status and Future Projects at Fermilab

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Fermilab is currently in transition from the Energy Frontier to Intensity Frontier Physics and is coming out of a 1.5 year shutdown of the Main physics program. This shutdown provided upgrades to allow 700kW of beam power on target for neutrino physics, requiring a new 53 MHz LLRF system for the Recycler Ring where beam slip stacking will take place.
The Advanced Superconducting Test Accelerator (ASTA), has recently seen first beam from the photocathode gun and cool down of the SRF cryomodules is in progress. Plans for this user facility are discussed.
Initial LLRF designs for Project X and the Project X Injector Experiment (PXIE) are in progress with several possible High Level RF design concepts under evaluation.

Summary

Overview of Fermilab LLRF Projects

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