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## High Power RF System Status and Experience for the PLS-II Storage Ring

*Tuesday, May 13, 2014 2:00 PM (30 minutes)*

The RF system of the Pohang Light Source-II (PLS-II) storage ring is operating at the 3.0 GeV/300 mA with three superconducting RF (SRF) cavities. PLS-II RF system was upgraded to 3.0 GeV/400 mA(max.) beam storage from 2.5 GeV/ 200mA of PLS. Each high power RF (HPRF) station is composed of a 300 kW klystron with power supply unit, transmission components including a 350 kW circulator and load, and water cooling system. Also three digital type LLRFs, three cryomodules with SRF cavities, and a cryogenic system are operating with HPRF system for the PLS-II storage ring. This paper describes the present operation status of 300 kW HPRF system and experiences of the former PLS 75 kW HPRF system.

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