

Accelerator Systems Division

Seminar Announcement

Title: Current Status of the APS LINAC & SR / Booster
Klystron High-Voltage Power Supplies and the 352-MHz
RFTS

Presenter: Gian Trento, ASD-RF

Date: Friday, July 11, 2014

Time: 9:30 a.m.

Location: Conf. Rm. A1100

Abstract

The present Radio Frequency (RF) Group machine operation goals are to help maintain APS mean time between faults at 100 hours or better and maintain injector, storage ring (SR), and x-ray production availability at 97% or better. To continue to meet these goals, an aggressive approach was instigated to combat parts obsolescence and aging of the accelerator systems. The latest improvements to the linac and SR/booster klystron high-voltage power supplies will be discussed.

The APS 352-MHz RF Test Stand (RFTS) was constructed to test and condition booster and SR rf cavity components. The adaptation of a pulsed rf conditioning method was introduced and tested. This methodology and performance of the RFTS will be discussed.

PRESENTATION TO BE POSTED SOON