

Accelerator Systems Division

Seminar Announcement

Title: The Advanced Photon Source RF Systems -- Performance and Upgrades, 2012-2014

Presenter: Doug Horan, APS/ASD

Date: Wednesday, Nov. 12, 2014

Time: 11:00 a.m.

Location: Conf. Rm. A1100

Abstract

The Advanced Photon Source rf systems are approaching nineteen years of operating lifetime. They have provided megawatts of rf power for years with world-class reliability. System topology will be discussed, reliability data will be presented, and analysis of recent out-of-the-ordinary faults, including high-voltage power supply and klystron problems, will be discussed. Examples of hardware obsolescence and its impact on maintaining reliable rf system operation will be presented, including recent hardware upgrades intended to improve system performance and maintain reliability.