PAUL SCHERRER INSTITUT

INVITATION

EXTRAORDINARY GFA SEMINAR

Date: **Friday, 31 August 2018**
Time: **11h00**
Place: **WBGB/019**

Dear Colleagues,

You are cordially invited to following GFA seminar:

Accelerators on MAV IV Laboratory:
3 GeV, S-band Linac and RF Power System -
Dionis Kumbaro, Max IV Laboratory, Lund University, Sweden

Abstract:
MAX IV Laboratory is a Swedish national laboratory with more than 30 years of experience providing scientists with the most brilliant X-rays for research. The new MAX IV facility inaugurated on 21 June 2016.
The MAX IV facility consists of a 3 GeV storage ring, a 1.5 GeV storage ring, and a linear accelerator (fed by two guns) that serves as a full-energy injector to the rings, but also as a driver for the Short Pulse Facility and in near future will drive the Soft X-ray FEL. The 3 GeV storage ring with a circumference of 528 m, geared towards hard x-ray users, while the 1.5 GeV storage ring (96 m circumference) serves soft x-ray and UV users. The 3 GeV Linac operates at up to 100 Hz as driver for the SPF & SXL and injects into both storage rings at up to 10 Hz.
The Linac consists of two electron guns (a photo-RF gun for SPF pulses and a thermionic RF gun for storage ring injection), 2 bunch compressors, and 39 S-band accelerating structures along with their power stations (modulators, klystrons, SLED cavities). Two vertical transfer lines connect the Linac with the two storage rings.

Contact: Marco Pedrozzi, Tel. 3242

Best regards,
Silvia Bacher

Indico: https://indico.psi.ch/conferenceDisplay.py?confId=6745
