



Contribution ID: 0

Type: **Oral presentation**

# RF operation at the SLS and status of the SLS2 proposal

*Thursday, 17 November 2016 09:15 (20 minutes)*

In spring several hours of accumulated down time occurred because of klystron reflected power interlock. A dozen of power glitches caused the LINAC- and storage-ring RF systems to trip. In the LINAC pulse forming network cabinet, a high voltage cable was burnt due to arcing and triggered the fire extinguishing system. Major maintenance tasks of this year include and refurbishment of power supplies of the klystron supply units. In summer 2016, the spare cavity was powered by the solid state amplifier and conditioned in the teststand. First tests to operate the booster cavity with the solid state amplifier were successful. The current status of the SLS upgrade proposal is presented with estimates of collective effects.

**Primary author:** Dr STINGELIN, Lukas (Paul Scherrer Institute)

**Co-author:** CRAIEVICH, Paolo

**Presenter:** Dr STINGELIN, Lukas (Paul Scherrer Institute)

**Session Classification:** Session 5: Contributions from MAX-IV and SLS