

RFTech 2nd workshop



jeudi 2 décembre 2010 - vendredi 3 décembre 2010

PSI Villigen (Switzerland)

Topics

RF cavity and couplers design

- Crab cavity design alternatives
- SC cavity development
- NC cavity development
- Power couplers

Superconducting (SC) RF

- Optimisation of RF control for SC accelerators
- HIE-ISOLDE cavity and test cryostat
- Piezo control for Lorentz force detuning compensation
- SC cavities for proton linacs
- SRF Test infrastructures

Low-level and high-power RF systems

- New electronics/technologies for LLRF systems
- Multi-beam klystron development
- Klystrons for 12 GHz CLIC application
- RF control for klystron-powered SC cavities
- Modulator design for pulsed SC proton • Linacs with high repetition rate
- State of the art and perspectives of IOT RF power sources
- Solid state amplifiers

Costing tools

Possible topics:

System Engineering Tools and their application to LLRF design process

Reliability

- Reliability data exchanges
- Improving reliability

Other