



First Ideas for Linac4 Reliability Run

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Workshop follow-up meeting II

CERN, September 6, 2016

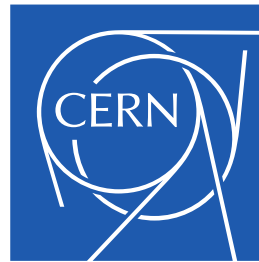
Goals and Schedule

- Lasting 6 months, starting in spring 2017
- Running from CCC (OP)
- Ideally: machine should run steadily without any change at nominal parameters
- In practice, if not possible:
 - Decide on reference parameters to be kept throughout the reliability run
 - Or plan for systematic change (disadvantage for reliability estimates)
 - Check with HW experts if need for maintenance (mini-TSs)
 - If yes, possibly: 1 month run periods + mini TS
 - Think about strategy of replacement vs repair for faults occurring during the run
 - Track spare parts
 - When replacing components, identify root cause leading to failure (see AFT)

Team for Reliability Run Follow-up

- Team of people (mixed expertise) required to manage the reliability run
- Discussions ongoing to have a small team defined:
 - ABP (commissioning + Linac OP)
 - RF (equipment experts)
 - MPE → reliability
 - MPE → MPP
 - OP → operation from CCC
- Accelerator Fault tracking will be ready for the reliability run
 - Need to define responsible to ensure consistent tracking
 - Define fault tree and discuss with equipment experts reasonable granularity
 - Make sure the fault root cause is always identified (beyond AFT)
- Aim: ready by December with a plan for spring 2017

Thanks a lot for your attention!



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