

# Magnet Training Plan

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1. E2 training ( quench of E2 coil will induce voltage of  $\sim 0.05V$  on another E2 coil) -> **we can train them in parallel.**
2. First week dedicated to E2 training :  $\sim 2$  quenches per day for each magnet -> **in parallel.**
3. Second week: bringing all magnets to the spec (separate quenches for each module including the FC) -> **only one magnet powered at the time!**
4. 3<sup>rd</sup> week - combined training in the solenoidal mode
5. 4<sup>th</sup> week - change of polarities in the downstream part (including FC) – 3days (?) + bringing all magnets to the spec at the flip mode
6. 5<sup>th</sup> week - combined training at the flip mode.

# Combined training solenoidal (flip) mode

- Setting magnets to the max allowed currents [A]:
  - E2: 253 (249)
  - C: 274 (278)
  - E1: 234 (234)
  - M1: 265 (281) ?
  - M2: 280 (256) ?
  - FC: 114 (180)

# Combined training (2)

- The settings does not corresponds to realistic optics settings (all optics settings are being designed with currents below those given).
- After achieving the training settings we will tune down to several operating settings (standard matrix + a few special settings).
- Those settings are being defined now and will be discussed at the next Analysis Meeting (this Thursday).
- ... My time estimates (at slide 2) are sort of optimistic one...

# Questions

- What is the impact of the SS's vacuum leak on the training schedule?
- When is the test of the QD/QP system scheduled?