

Common paths for CLIC & ILC BDS

-CERN plans-

R. Tomas

- Mandate to find synergies between CLIC & ILC
- Resources are not increasing
- CLIC new low energy 350-370 GeV
- BDS has a long tradition of collaboration
- Could ILC & CLIC FFS converge to one design?
- ATF2 is an excellent common ground

Possible tasks

- Commissioning strategy + FFS tuning
- Instrumentation: BPM, BSM, spectr., polari., feedback
- Lattice repository
- Parameters + Lattice design options
- Crab cavity tolerances
- QD0 technology
- Collimation
- Wakefield analysis
- Beam dumps
- MDI issues

CERN plans

- CLIC & ILC FFS:
 - Lattice design, optimization and tuning
 - Tools development: MAPCLASS and Placet
 - FFS Magnets
- ATF2:
 - Commissioning
 - R&D: Ground Motion feedback, jitter source identification, Ultra-low beta*, QD0 hybrid prototype, octupoles.

CERN manpower

- Staff: Fractions of Andrea, Daniel, Michele, Frank and myself
- 1 fellow + 1 student finishing soon
- Starting soon: 2 students + 0.5 fellow (need to share with another lab)