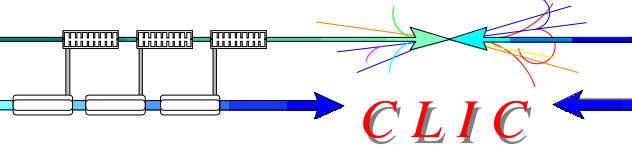


ACTIVITIES

- CTF3 beam commissioning:
 - Running-in of sub-systems hardware (injector, linac, chicane, DL, TL1, CR, TL2, TBL, probe beam, two-beam stand and other CLEX lines...)
 - Obtain beam performances (current, energy, pulse length, energy spread, bunch length, emittance...)
 - Perform beam studies to validate CLIC power source design (transverse and longitudinal stability, machine protection, feed-backs and stabilization...)
 - Ensure integration of different sub-systems in terms of optics/beam dynamics, maintain documentation and modeling, define diagnostics and procedures...
- 30 GHz power production:
 - Setting-up of beams with required performances (current, bunch length, emittance, stability) both in the linac test stand & in CLEX
 - Ensure long-term operation of the CTF3 power stations
 - Beam studies to improve performance as needed



OVERALL ORGANIZATION

- CTF3 beam commissioning:

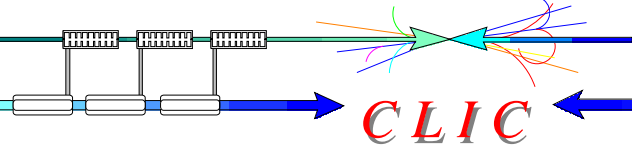
Performed by an **expert core team***, with help from:

- Collaborating institutes (INFN/LNF, Uppsala, DAPNIA...)
- Hardware experts
- General services

- 30 GHz power production:

- Setting-up, performances and supervision provided by the **expert core team**
- Operation for the moment done by **dedicated operators** from collaborating institutes (Ankara) and CERN
- Longer term: **power production in automatic mode** with supervision from CCC

* NB: in the past years, there were typically less than **15 weeks** of operation per year. From 2006, about **40 weeks/year** are foreseen. Taking into account as well the increased complexity of the installation, strengthening the present team (4 people) is mandatory.



PEOPLE & RESPONSIBILITIES

- Frank Tecker

- Operational aspects (patrols/access, interlocks, operation software, timing...)
- Link with OP, CO
- Online MAD modeling
- Optics integration for TL1 and CR
- Automatic power production operation

- Steffen Döbert

- Beams for power production (performance & operation supervision)
- Link with radiation protection
- TBL design and integration
- Integration of new photocathode gun
- Integration of two-beam test stand

- Hans Braun

- Emittance measurement software
- Integration of TL2
- Integration of probe beam

PEOPLE & RESPONSIBILITIES (cont'd)

- Peter Urschütz
 - Injector & SHB system simulations
 - Emittance optimization & transverse optics studies
 - Parameter list
 - Maintain automatic beam steering system
- Piotr Skowronski
 - Online modeling, transfer to MAD-X and maintenance
- Jean-Michel Nonglaton
 - Operation software