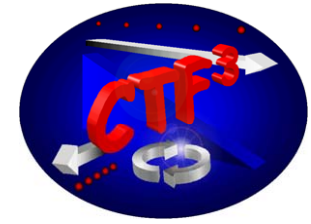


## Meeting of the CLIC ACE on 2-4 September



- Lots of progress since last ACE meeting
- Group is on track to show the potential of the high-gradient TBA concept by 2010

ACE welcomes the staged approach:

Start with a “conservative” 500 GeV machine with lower luminosity  
upgrade to full luminosity

Upgrade energy with linac length, then further increase luminosity

Welcome the growing collaboration

Requires careful management to maintain focus

Main focus of ACE this time on accelerating structure work and beam dynamics

# CDR Timescale

---

- Aiming for 2010 – very ambitious
- World HEP community is likely facing decision on 2012-timescale
  - LHC data
  - ILC TDR
  - Project-X
  - Neutrino Factory & Muon Collider designs and CDR
  - ....
- Good to make best effort on 2010 timescale for CDR but important to set reasonable expectations
  - Concern that not meeting unreasonably high expectations could invite negative reactions without justification
- World-wide interest in CLIC technical feasibility and cost
  - Important to plan on supplementing 2010-CDR with greater detail on 2012-timescale for international review

# Comments on CTF3

---

- CTF3 is the primary demonstration of the Two-Beam Acceleration concept
  - Many achievements thus far:
    - Fully loaded acceleration
    - Frequency multiplication (delay loop and combiner ring)
- Large scale and complex test facility
  - Largest and most complex linear collider test facility
  - Difficult to commission and operate
    - Limited by small group
    - CTF3 has reached a point where it requires a set of engineering resources to systematically address reliability
  - Need to augment effort to maximize the program
  - Consider real operational performance as compared to demonstrations; set expectations

# Final Comments

---

- Very impressed with CLIC effort
  - Has the potential to offer a real path to multi-TeV  $e^+/e^-$  LC
  - Enthusiasm and energy of the group is very refreshing!
- CTF3 will address many of the critical issues
  - Additional resources are needed to ensure success of the facility
- Beginning CLIC CDR effort
  - Organization is in place; resources are missing and should either be identified or the scope/timescale should be adjusted
- Next ACE meeting should focus on progress and plans for critical R&D supporting the CDR and beyond
  - What test facilities will be necessary to support the next stage?
  - ACE date TBD but probably late spring 2009 (9 months)

# Final (Final) Comments

---

CLIC team should be strongly congratulated for huge effort  
and great progress!!