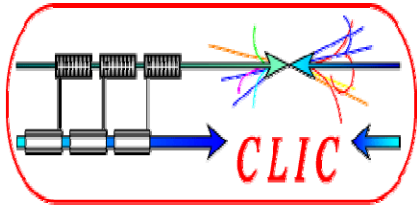


Motivation for CLIC/ILC collaboration



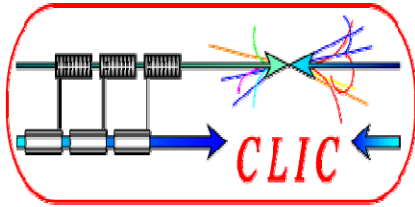
- **Lack of resources: (both CLIC and ILC)**
 - Join resources where useful and avoid duplication
- **Foster ideas and favor exchanges**
 - Beneficial to both
- **Aiming (as much as possible) on common system designs**
 - similar energy; Ex: BDS, MDI, Detector, Cost....
 - Identify necessary differences due to technology and/or energy
- **Avoid negative image of conflicting teams**
 - Devastating for HEP
- **Minimize contradicting presentations in 2010 (?):**
 - Status, advantages, issues and prospects of both technologies for the best use of future HEP
- **Even if ILC technology more mature, timescale not so \neq :**
 - Technical Design in 2010-2012 for ILC and 2014 for CLIC



Limitations



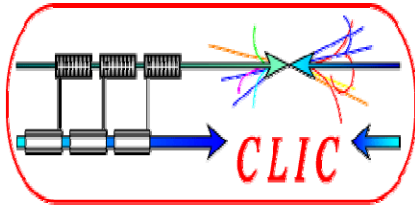
- **CERN resources dedicated to ILC very limited:**
 - **Man-Power: 1.2 FTE; Budget: 40 kCHF**
- **Available resources allocated to CLIC study by CLIC/CTF3 collaboration**
 - **24 Institutes from 13 Countries**
- **Possible use of CLIC resources on ILC study at the strict condition that final result is beneficial to CLIC study**
 - **And vice-versa**



Method?



- **Presently (for each sub-system):**
 - ILC team working on ILC system with ILC beam at 500 GeV
 - CLIC team working on CLIC system with CLIC beam at 3 TEV and scaling down to 1 TeV and 500 GeV
 - Fruitful exchanges between technical experts
 - Different designs of sub-systems for (not always) good reasons
- **Possible future**
 - CLIC & ILC teams working **together** on CLIC and ILC systems at 500 GeV
 - Identify **together** if same design/technology can be used or not
 - understand why and what necessary differences
 - Define **together** necessary modifications of the sub-system for the upgrade in energy to 1 TeV for ILC and 3 TeV for CLIC



Conclusion



- **CLIC/ILC collaboration on subjects with strong synergy = Win – Win for both studies and for HEP**
- **Ambitious but Realistic and Practical**
 - start on limited number of subjects
 - well defined plan of (limited) actions
 - with good chance of success

**Collaborative / Competition
and / or
Competitive / Collaboration**