


ILC-CLIC collaboration, suggestions and outlook



- **Horizontal technology collaborations are very useful. There is room for new collaborations on either hardware studies or detector design:**
 - Developments for large **solenoid coil** (first initiatives taken)
 - Calorimetry **concept** studies based on **dual-readout**
 - Simulation studies of **background** and **time stamping**
 - **Particle Flow Analysis** development (already agreed to collaborate on)
- **Encourage ILC concepts to assess physics at higher energies (1 TeV, 3 TeV)**
 - Will raise awareness that most parts of the concepts have extended scope at the multi-TeV scale
- **Creation of a framework for formalising LC-related R&D for European groups:**
 - In view of improving funding prospects for university groups
- **Following the CLIC CDR (end 2010), one could consider "Addenda to the current concept LoI's" describing the physics potential and detector changes required to run at CLIC conditions.** This would represent a considerable effort by the concept teams.

Linszen, ILC-CLIC collaboration, 12/6/2009 1