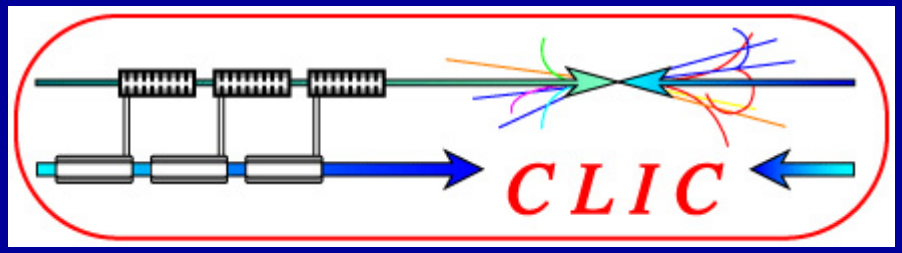

“Technical Issues, Integration & Cost” Working Group Presentation

Conveners

Germana Riddone, Roger Ruber

Working Group Subject

Review of

- All non-RF hardware,
  developments necessary for the CLIC main linac
  and drive beam decelerator

- Including the CLIC module,
  with all its main sub-systems
  - cooling, vacuum, supports, stabilization and alignment systems
  - quadrupole and corrector magnets
  - beam instrumentation → separate working group!
  - main transfer lines in the CLIC tunnel

- and all related integration issues

Program Overview

	Wednesday	Thursday
Morning	**08:30 - 12:00** **Room B** modules transfer lines components	**08:30 - 10:00** **Salle Curie (40-S2-C01)** alignment (common with beam dynamics) **10:30 - 12:00** **Room B** sub-systems
Afternoon	**13:30 - 18:45** **Room B** tunnel safety	**13:30 - 18:00** **Room B** cost issues

Program Wednesday 15 October

Location: Room B (b/w Main Auditorium & Council Chamber)

08:30 – 12:00: module, tranfer lines and components

- G. Riddone: Module layout and main requirements
- R. Ruber, D. Schulte: Requirements for main linac magnets
- T. Zickler: Preliminary design of a quadrupole for the stabilization bench
- R. Zennaro: Structure fabrication and assembly tollerances
- L. Soby: Module instrumentation
- N. Abbas, J. Huopana: Test module in the TBTS
- F. Torai: PETS integration for TBL

Program Wednesday 15 October

Location: Room B (b/w Main Auditorium & Council Chamber)
13:30 – 18:30: tunnel integration and safety

- B. Jeanneret: Long tranfer line
- J.A. Osborne: CLIC tunnel layout and cross-section
- C. Martel: Cooling and ventilation in the tunnel
- A. Samoshkin: Module integration
- K. Kershaw: Transport of the CLIC modules and elements
- V. Kuchler: ILC underground consideration
- G. Shirkov: Dubna siting and ILC activity at JINR
- F. Corsanego: Safety issue for underground structure
- Th. Otto: Simulation of radiation levels in the tunnel
- H. Braun: Common ILC/CLIC note on tunnel safety

Program Thursday 16 October

Location: Salle Curie (Bldg. 40-S2-C01)

08:30 – 10:00: alignment

- K. Kubo: Simplified alignment model for beam dynamics simulations for ILC
- H. Mainaud Durand: Pre-alignment study status and model for the beam dynamics simulations
- K. Artoos: Recent ground motion measurements at CERN

Program Thursday 16 October

Location: Room B (b/w Main Auditorium & Council Chamber)

10:30 – 12:00: sub-systems

- A. Jeremie: Stabilization system
- F. Lackner: Main beam quadrupole support
- R. Nousiainen: Module supporting system
- R. Nousiainen: Progress on study of module cooling
- C. Garion: Vacuum requirements and preliminary design of vacuum system for module and transfer lines

Program Thursday 16 October

Location: Room B (b/w Main Auditorium & Council Chamber)

13:30 – 18:30: cost issues

- J. Purvis: Project management and control system overview
- H. Braun, G. Riddone: CLIC cost requirements
- J. Carwardine: ILC software tool considerations for cost estimate
- J. de Jonghe: CERN proposal for software tool for cost estimation
- K. Foraz: CLIC schedule

Program Overview

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