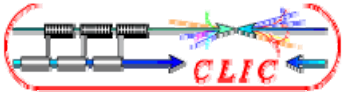


CLIC workshop  
"Two beam hardware and  
integration" working group  
Presentation of the program

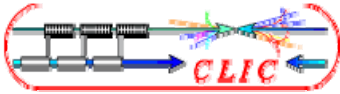
Conveners: G. Riddone, R. Ruber

16.10.2007



# Subject

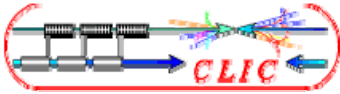
- The subject of this working group is **all non-RF hardware developments** necessary for the CLIC main linac and drive beam decelerator.
- This includes the **CLIC module** with all its main sub-systems (such as cooling, vacuum, supporting, stabilization and alignment systems, quadrupole and corrector magnets, beam instrumentation), the **main transfer lines** running in the CLIC tunnel and all **related integration issues**.



# 17.10.2007

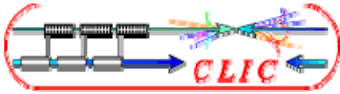
*Wednesday 17.10.2007, 13:55-18:40 – Tunnel and module  
(conference room: 30/7-012)*

<b>Time</b>	<b>Speaker</b>	<b>Title</b>	
13:55	G. Riddone, R. Ruber	Introduction	5'
14:00	J. Osborne	CLIC tunnel layout and cross-section	15+5
14:20	J. Inigo-Golfin	First considerations on CLIC cooling systems	10+5
14:35	M. Gastal	How to apply scheduling work done for ILC to the CLIC project	15+5
14:55	G. Riddone	Module layout and main requirement	15+5
15:15	K. Kershaw	Transport of the CLIC modules and elements	10+5



# 17.10.2007

Time	Speaker	Title	
16:00	K. Alam, NCP	Module test in the two beam test stand	15+5
16:20	F. Toral, CIEMAT	Main features for PETS tanks	15+5
16:40	D. Carrillo, CIEMAT	PETS components and waveguide connections	15+5
17:00	M. Taborelli	Structure fabrication: dimensional tolerances	10+5
17:15	R. Nousiainen, HIP	Main requirement for module cooling	15+5
17:35	D. Schulte	Vacuum requirement from beam dynamics	15+5
17:55	P. Costa-Pinto	Thin films for CLIC elements	15+5
18:15	R. Nousiainen, HIP	Supporting system	15+5



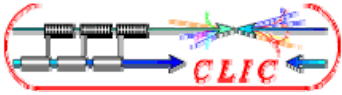
# 18.10.2007

*Thursday 18.10.2007, 09:00 -:12:30 - Module, transfer lines, magnets and instrumentation (conference room: 28/S-029)*

Time	Speaker	Title	
09:00	N. Hilleret	First considerations on vacuum system	15+5
09:20	H. Mainaud-Durand	Alignment system	20+5
09:45	F. Toral, CIEMAT	Design of prototype movers for CTF3	10+5
10:00	A. Jeremie, LAPP	Stabilisation system	20+5

*10:25 - 10:50 Coffee break*

Time	Speaker	Title	
10:50	B. Jeanneret	Drive beam transfer lines	15+5
11:10	A. Latina	Main beam transfer lines	15+5
11:30	T. Zickler	Main Linac magnets	15+5
11:50	L. Søby	BPM integration and beam instrumentation	15+5
12:10	Y. Koubichine, G. Montoro, UPC	BPM for TBL: status of the amplifier	15+5



# Collaborations

**CIEMAT:** Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas (Spain)

**HIP:** Helsinki Institute of Physics (Finland)

**LAPP:** Laboratoire d'Annecy-le-Vieux de Physique des Particules (France)

**NCP:** National center for Physics, Islamabad (Pakistan)

**UPC:** Universitat Politècnica de Catalunya (Spain)

**UPPSALA** University (Sweden)