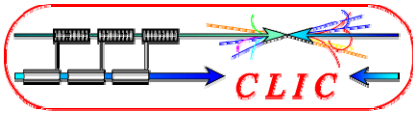
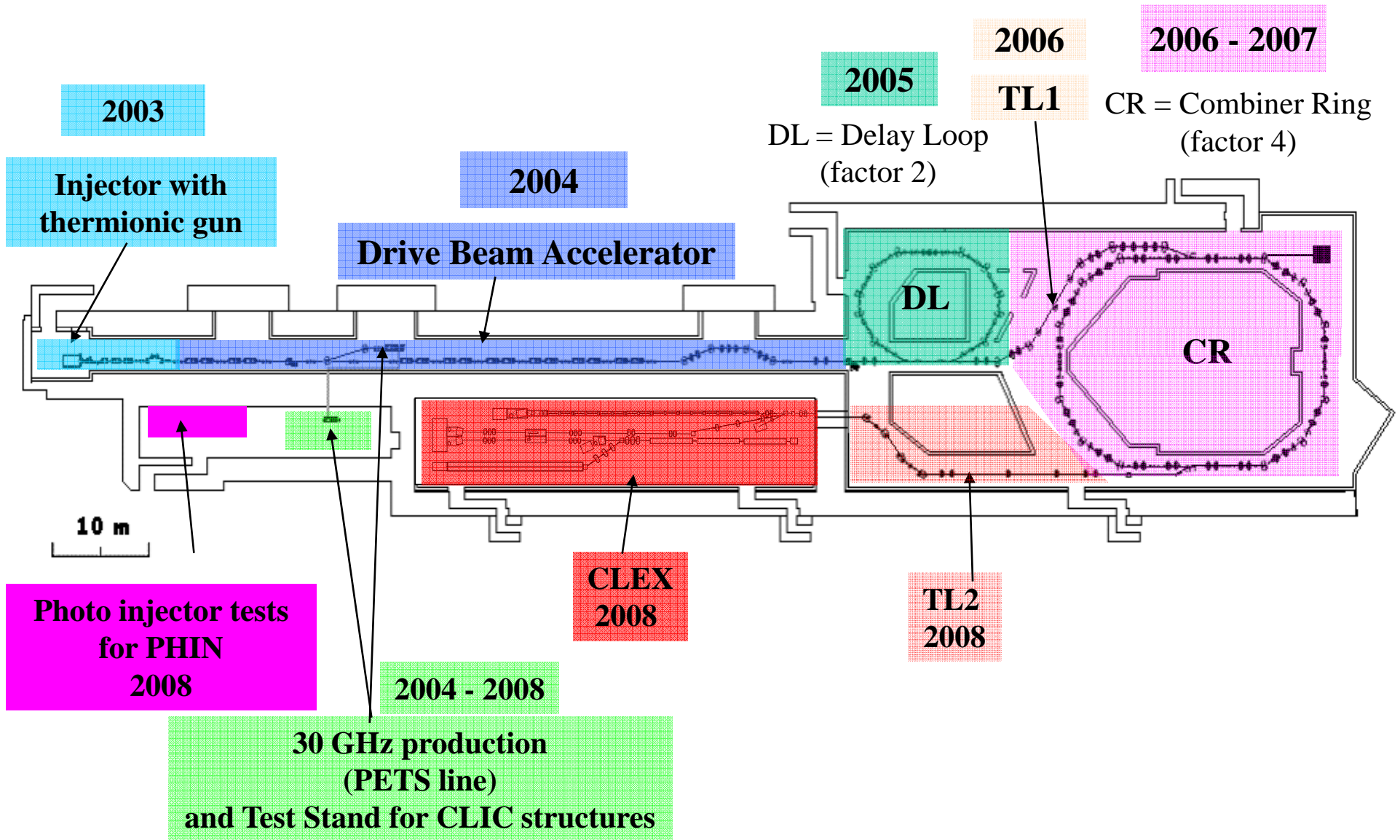


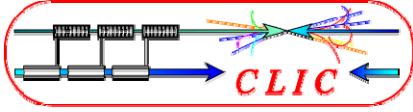
Update on CTF3 installation and planning

L. Rinolfi



Brief history of the CTF3 installation

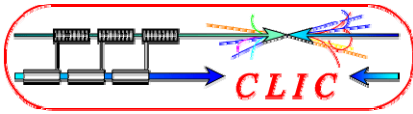




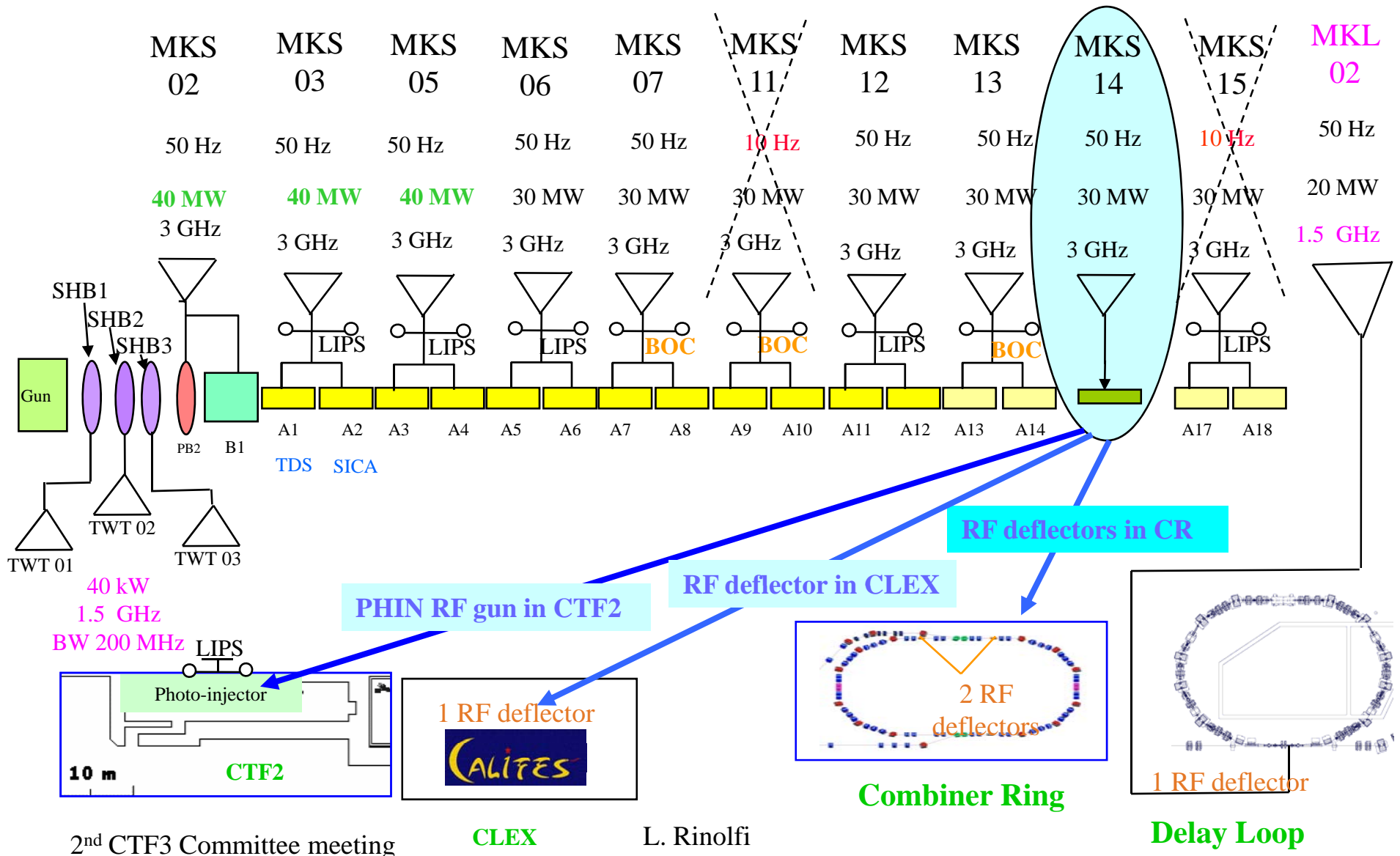
Conclusion of the 1st meeting



- Installation into the Injector, Drive Beam Linac, Delay Loop, Transfer Line TL1 and Combiner Ring is completed.
- Installation of the Transfer Line TL2 will be finished and connected to the Combiner Ring for the end of June 2008.
- Installation into CLEX (Phase 0) will be finished for the end of June 2008.
- Installation into CTF2 (for PHIN) will be finished for the end of August 2008. Tests with beam foreseen for September 2008 during the installation of the Tail Clipper into the TL2 line.



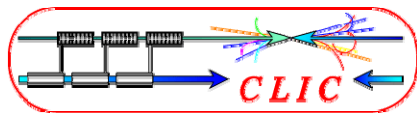
Klystrons



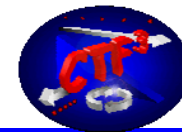
2nd CTF3 Committee meeting

CLEX

L. Rinolfi



Combiner Ring

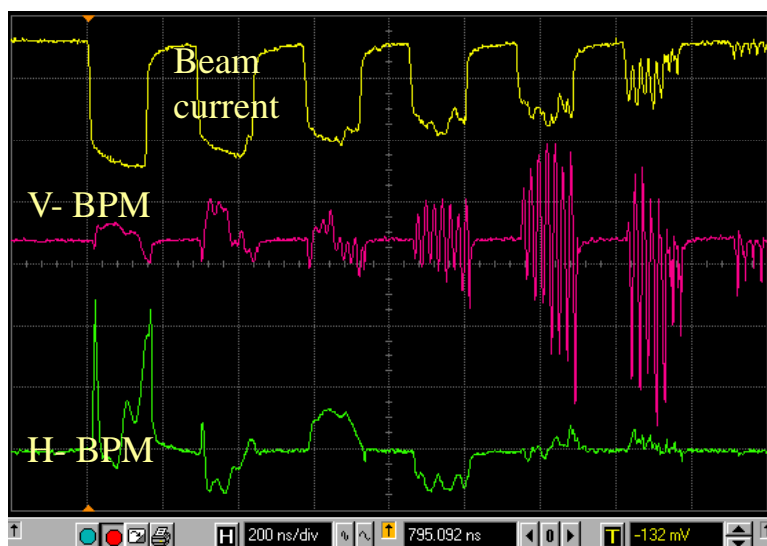


RF deflectors CR. HDS 0150 & CR.HDS 1050

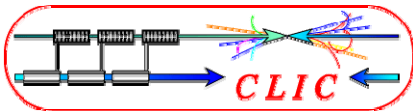
In order to cure the vertical instabilities, two new (3 GHz) RF deflectors (in Al) have been designed by LNF (Frascati) and are under construction.

They are foreseen:

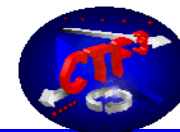
- to be at CERN end of June,
- to be tested with RF power beginning of July,
- to be installed in the machine later on



See A. Ghigo talk



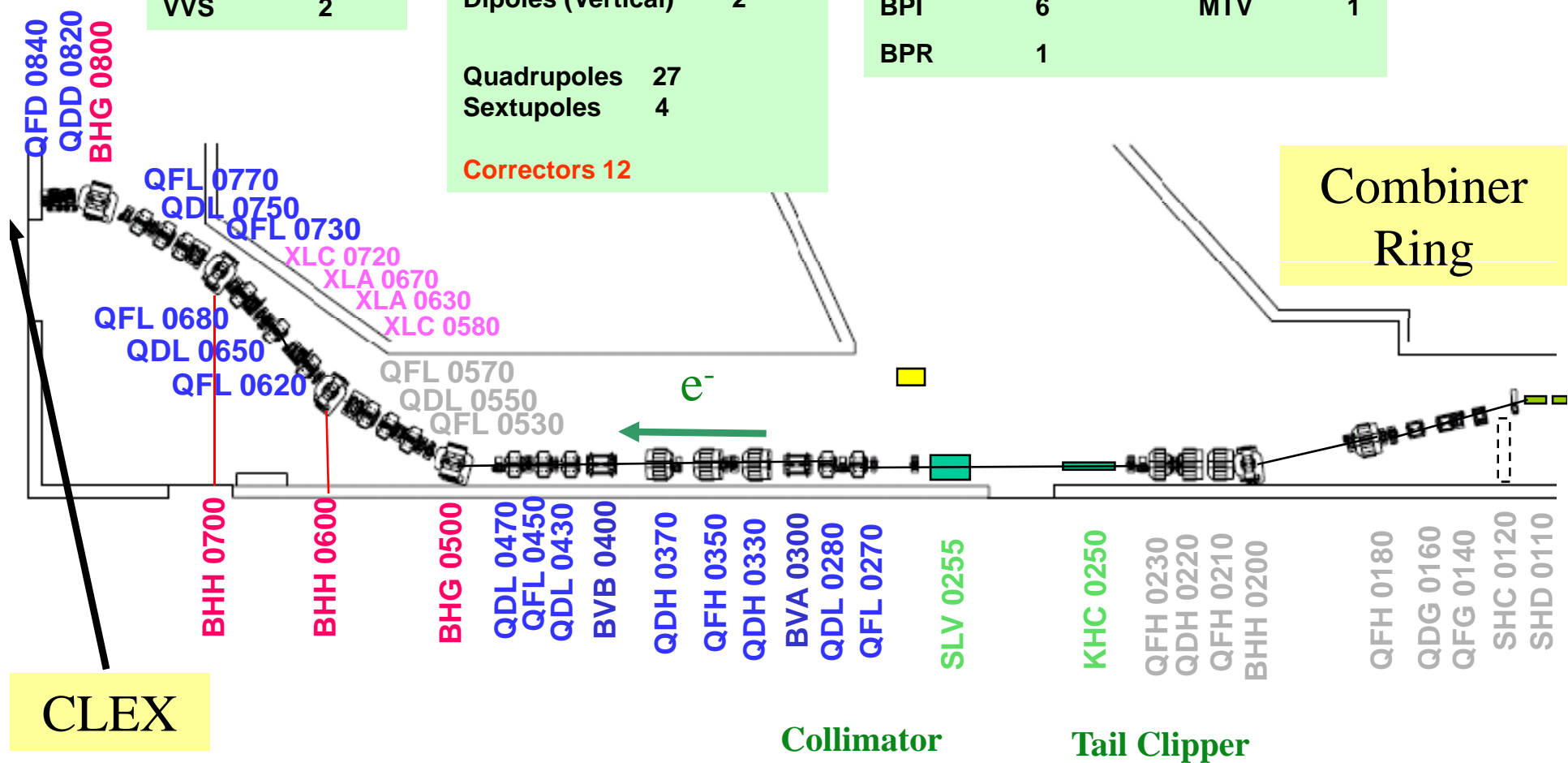
Transfer Line TL2

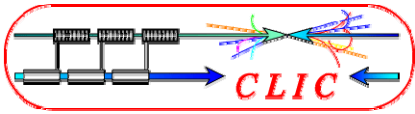


Vacuum	
VPI	9
VVS	2

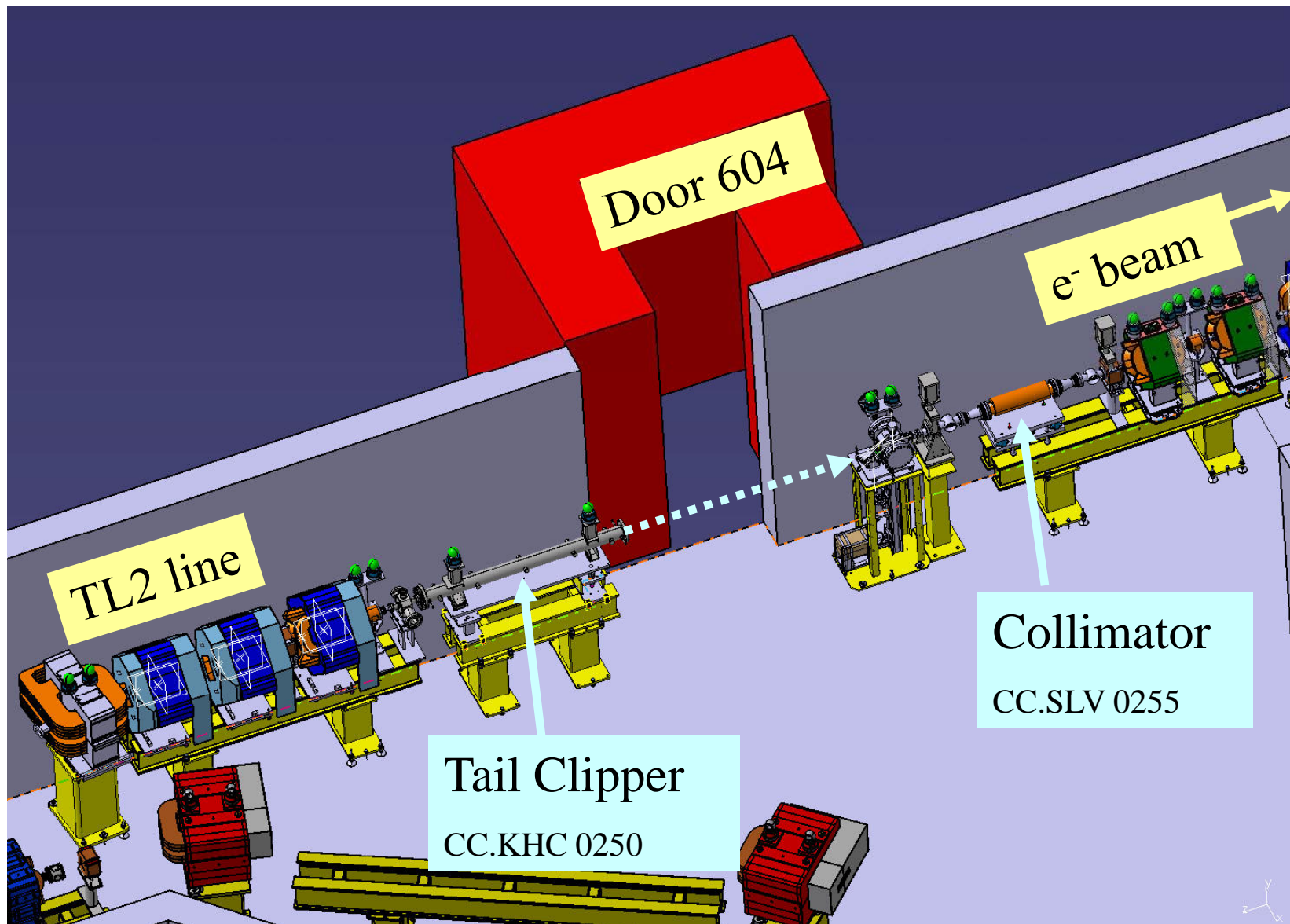
Magnets	
Dipoles (Horizontal)	5
Dipoles (Vertical)	2
Quadrupoles	27
Sextupoles	4
Correctors	12

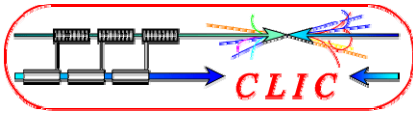
Instrumentation			
BPM	6	WCM	1
BPI	6	MTV	1
BPR	1		



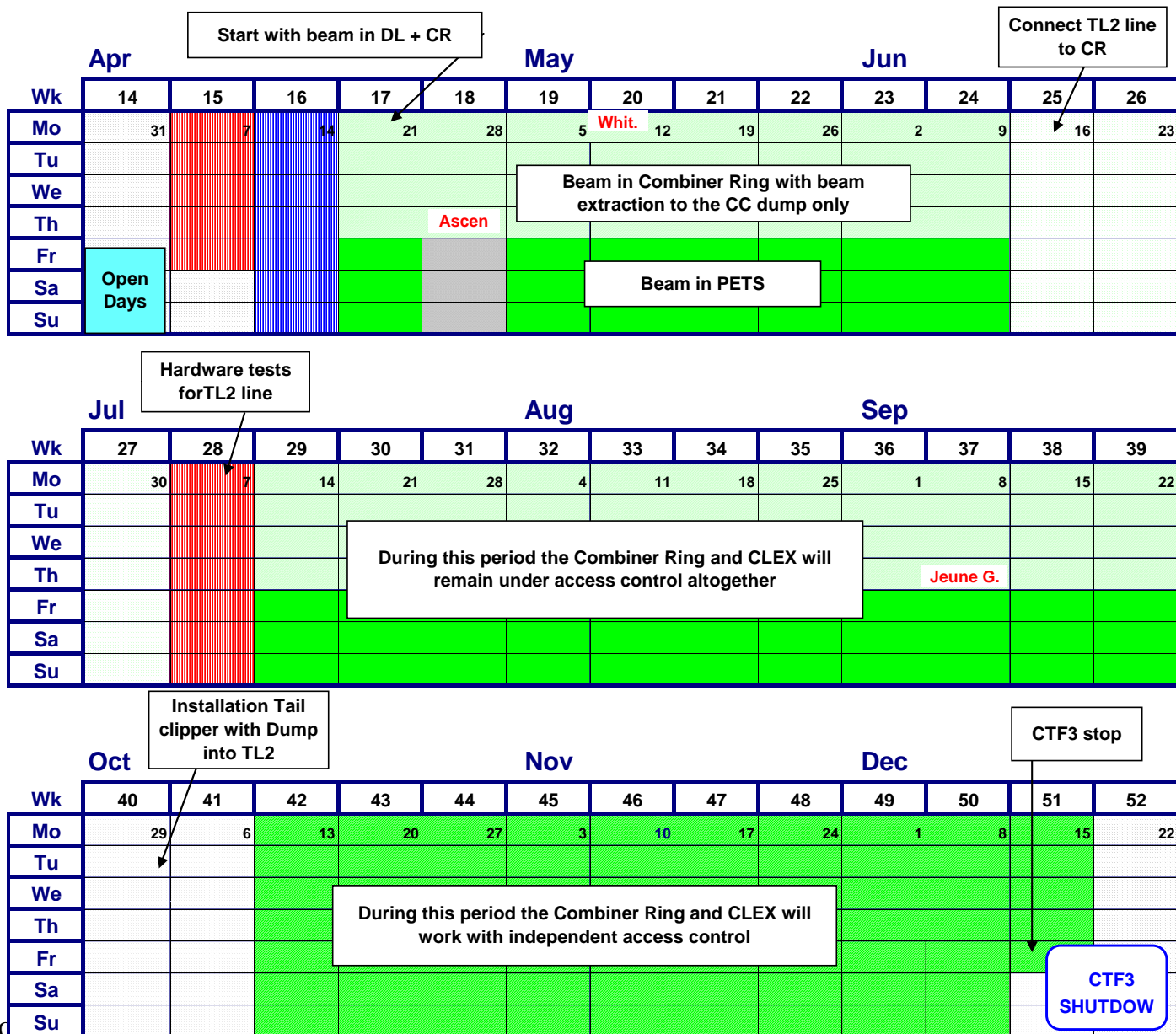
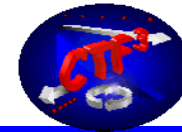


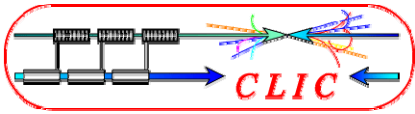
Tail clipper & Collimator



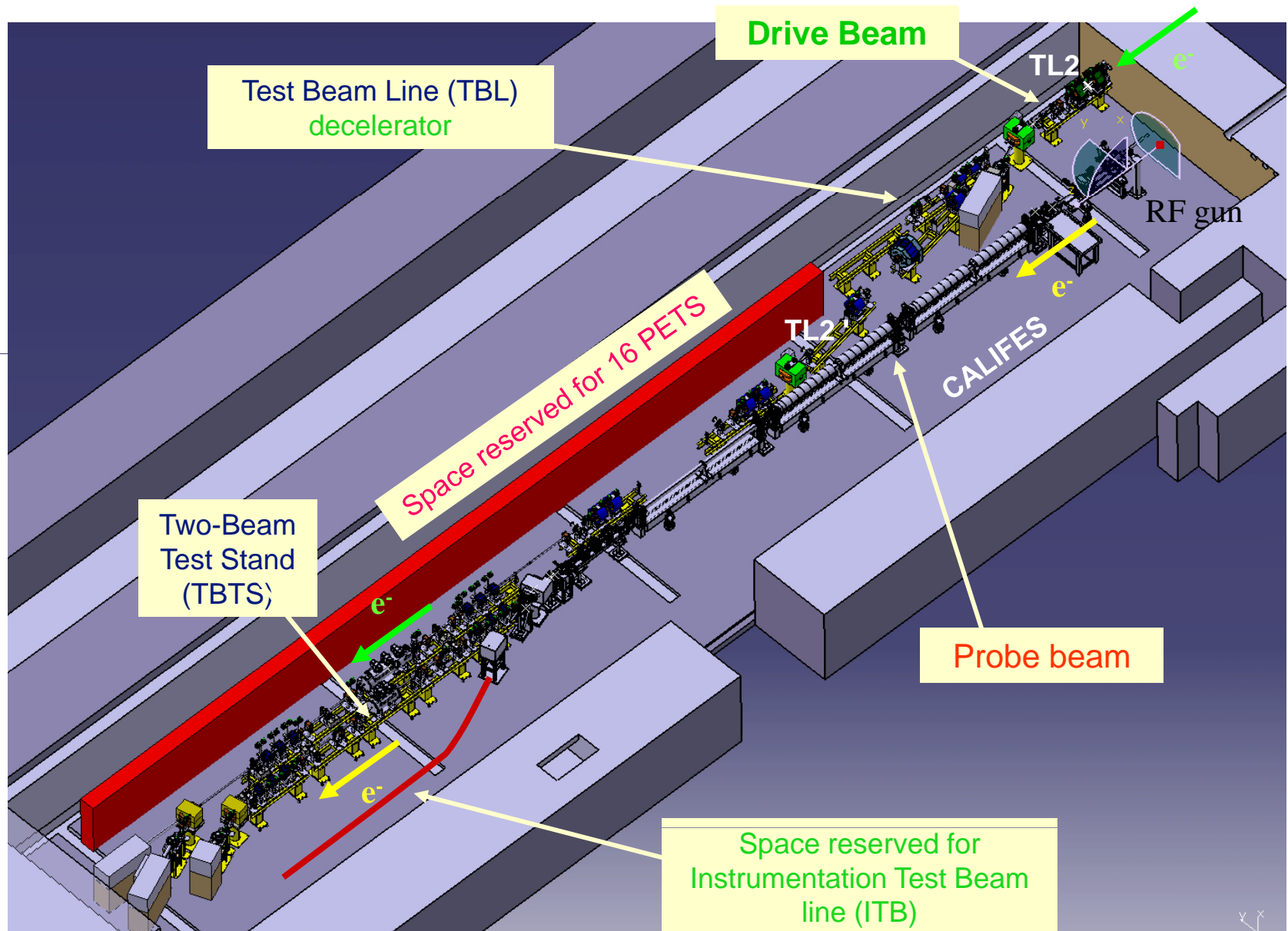


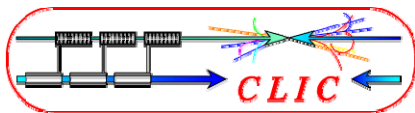
CTF3 - DL - CR - TL2 Schedule



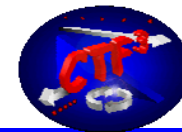


CLEX Layout





CLEX status



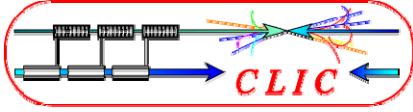
1) TL2, TL2', TBTS, TBL

- Nothing new regarding installation compared to the previous CTF3 meeting (18th April 2008)
- Waiting for alignment from CERN surveyors (this week)
- Vacuum chambers remains to be installed

2) CALIFES

- Put all the line at the atmospheric pressure
- Waiting for alignment from CERN surveyors (this week)
- Cabling all dipolar correctors by CEA (this week)
- RF wave guides still foreseen to be at CERN mid-June
- Finish the cabling of the Vacuum Control
- Bake-out of the RF gun and laser chamber downstream

See F. Orsini talk



CLEX hardware tests

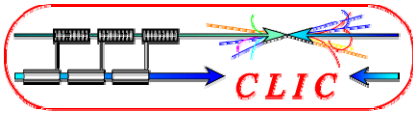


1) Tests of power supplies (81 in total)

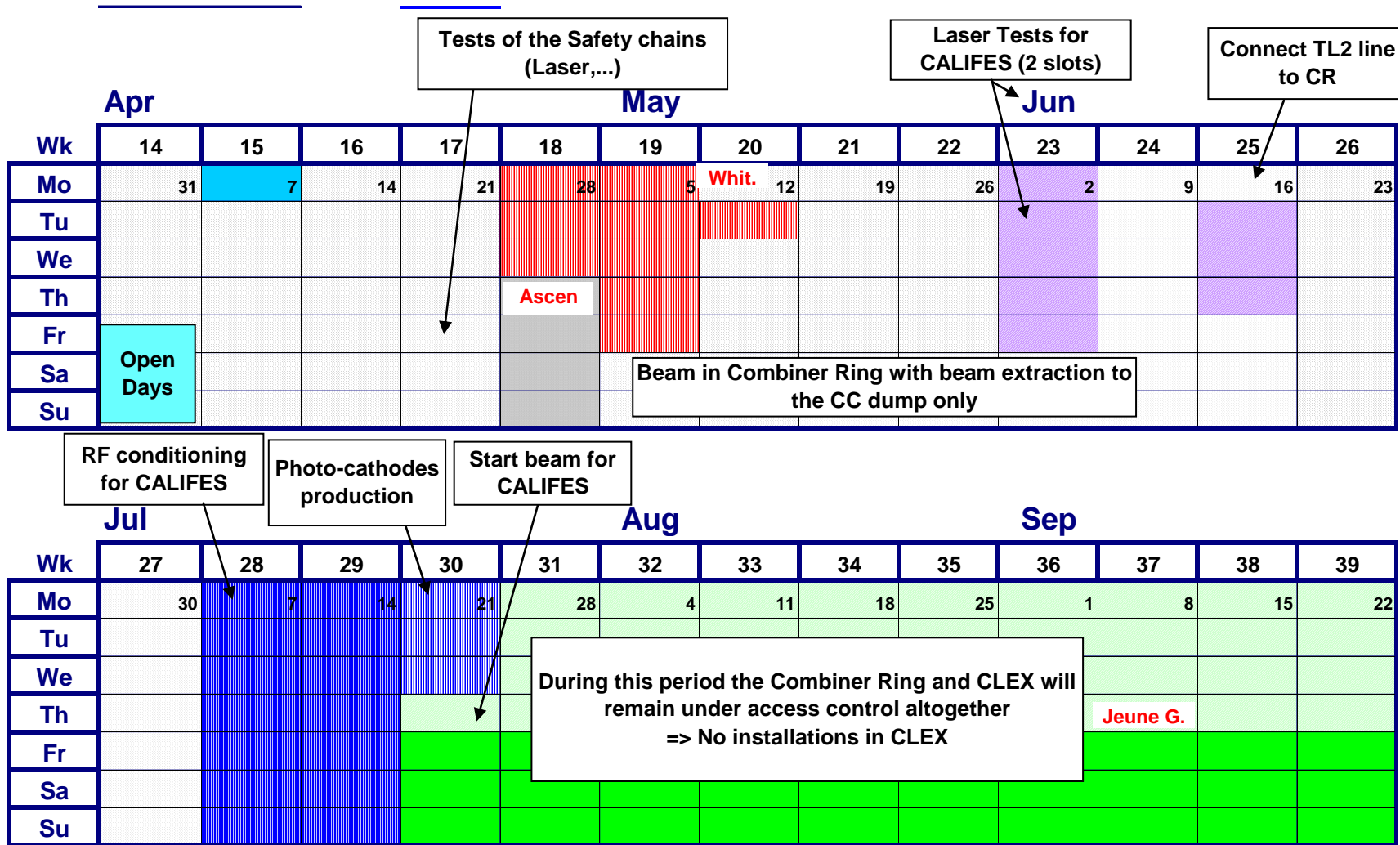
- 30 power supplies tested and operational
- 6 power supplies not tested (ripple, water leak, not connected to magnets)
- 45 power supplies for correctors not yet arrived at CERN
- Remote control not yet OK for several devices

2) Polarity tests

- Done on all standard magnets
- Found 10 wrong polarities
- All dipolar correctors remain to be done



CTF3 - CLEX Schedule 2008



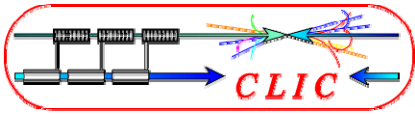
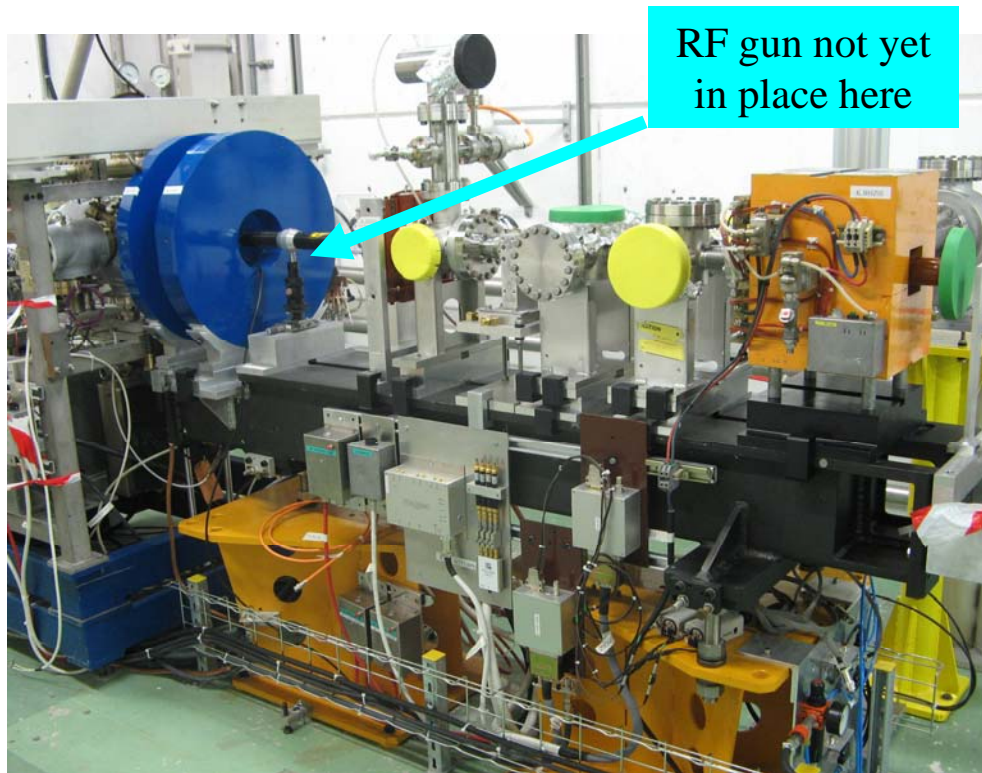


Photo-injector PHIN into CTF2



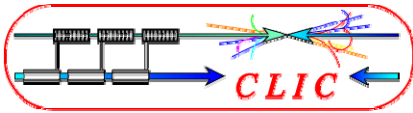
A single klystron MKS 14 shared with RF reflectors into the Combiner Ring and the RF deflector of CALIFES

PHIN RF gun expected next week at CERN

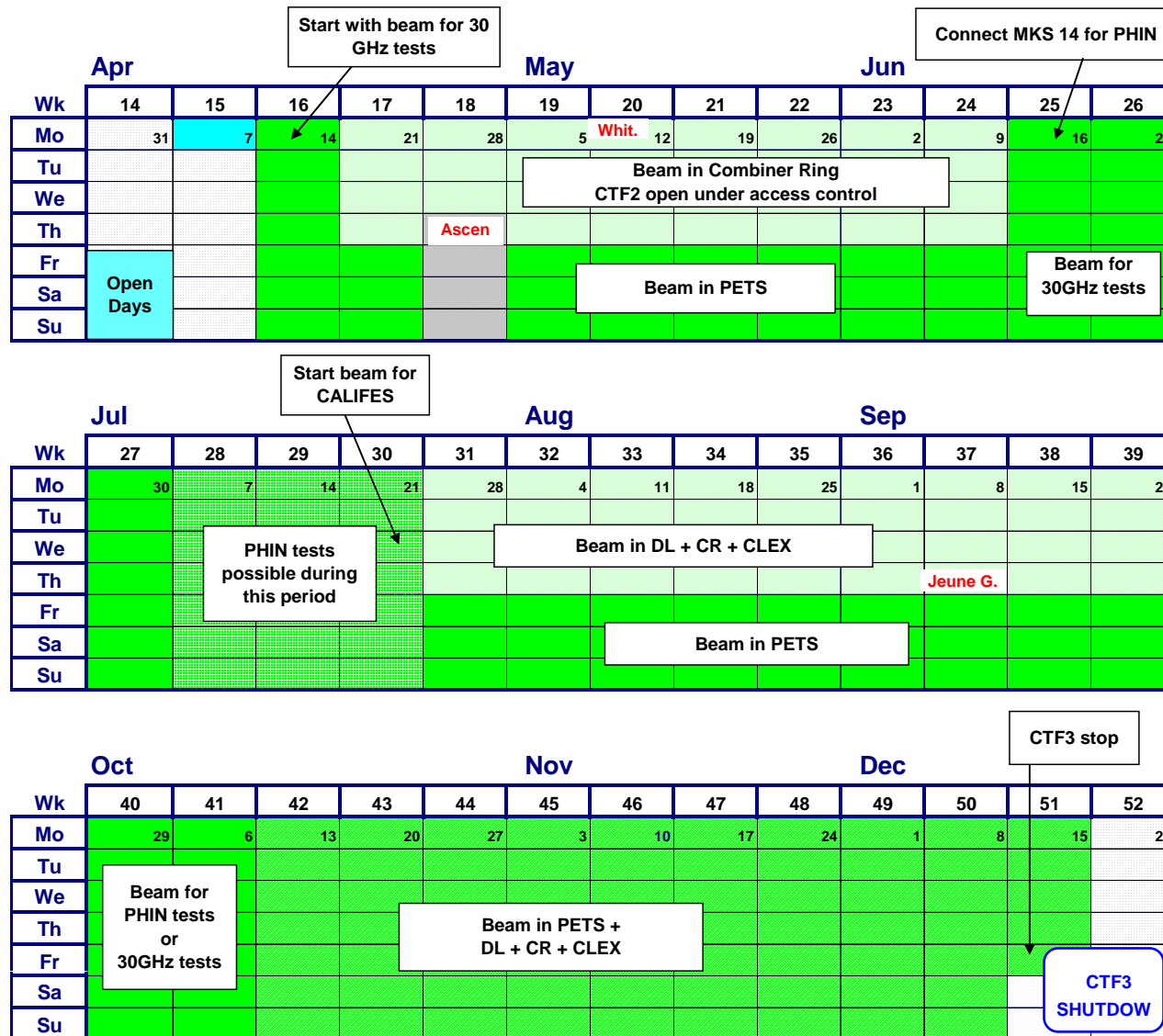
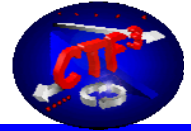
and laser beam still under development

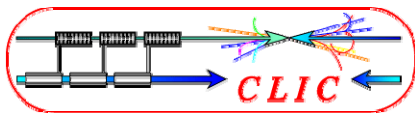
See K. Elsener talk

Possibility to use MKS 14 klystron to test the 2 new Al RF deflectors coming from LNF if the wave guides are in place before connecting the PHIN RF gun

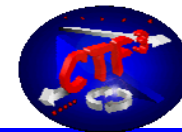


CTF3 - CTF2 Schedule 2008





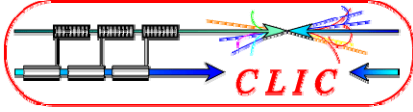
Conclusion



- Installation into the Injector, Drive Beam Linac, Delay Loop, Transfer Line TL1 and Combiner Ring => **OK**

- Installation of the **Transfer Line TL2** connected to the Combiner Ring for the end of June 2008 but:
 - Indian dipole magnets ?
 - Power supplies for dipolar correctors ?

- Installation into **CLEX (Phase 0)** will be finished for the end of June 2008 but:
 - Laser for CALIFES ?



Conclusion (con't)



- Installation into CTF2 for the photo-injector
- LAL proposed help during week 25 (Monday 16th June 2008)
- However this week is foreseen to be dedicated full time for 30 GHz
- Hardware tests for PO and CO not yet in the Schedule
- Installation expected to be finished for the end of August
- Tests with beam could take place in October 2008 during the installation of the Tail Clipper into the TL2 line.
- **Strong request from CARE to finalize the test as deliverable for EU-FP6-JRA-PHIN**