R. Corsini CLIC work-package planning meeting 2-3 November 2011





Points of interests for CEA Saclay

Franck PEAUGER

Remind of the french special contribution to CERN 2009 – 2011:

	Material	FTE
Modulator for 12 GHz Test Stand at CERN	437 k€]
X-band high power RF components	250 k€	
X-band accelerating structures with WFM	283 k€	10.6
L-band klystron for CTF3	173 k€	
Stabilization	100 k€	
Operation of CALIFES and TBTS	-	J
Total:	1243 k€	

This contribution is almost finished (will be finished in the beginning of 2012)

Probe e-beam



Accelerating structures with WFM for TBTS

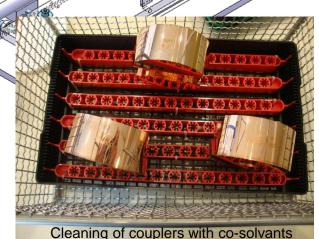
Challenges:

- First experiment of wakefield monitors with CLIC type accelerating structures
- Qualify new industrial partners for diamond machining and diffusion bonding



Franck PEAUGER







Regular disk after diamond machining

Future CLIC collaboration 2012 - 2016

In the beginning of 2011, we have discussed with CERN some possible extensions of the special french contribution

The following items have been identified:

		<u>Material</u>	<u>FTE</u>
12 GHz Test Stand at CEA Saclay		1820 k€	6
X-band accelerating structures		160 k€	2
Stabilization		200 k€	1.5
Operation of CALIFES and TBTS		-	2
	<u>Total</u> :	2180 k€	11.5 FTE

Unfortunately, no additional budget is existing to cover these items

Discussions are foreseen between French institutes and CERN direction to make progress in this collaboration

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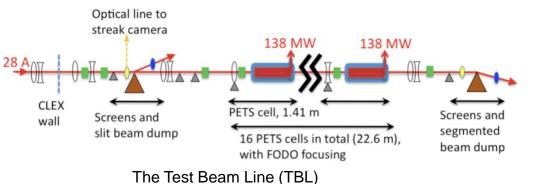


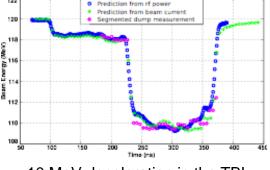
CTF3-001/CTF3-004



CTF3 : Decelerator Test Beam Line and Two Beam Modules

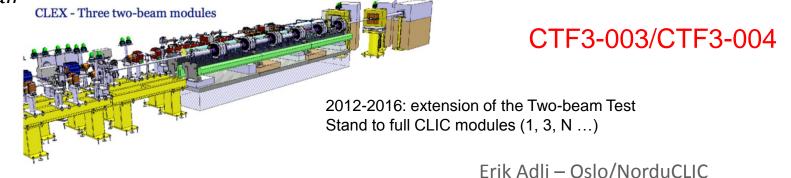
- We have performed extensive studies of beam physics and instability studies of heavily decelerated electron beams





¹⁰ MeV deceleration in the TBL

- We plan to follow the experimental verification in the decelerator TBL until the completion of the program as well, as the verification of drive beam transport in the two beam



- This includes operational and analysis support for the two experiments. See also talk by Uppsala/NorduCLIC and HIP/NorduCLIC on TBM

Other contributions... **Osl**



Beam phase measurement

- Goal: Measurement of beam phase/bunch arrival time with electro-optical methods
- Part of EuCARD project
- Running until 2012
- Prototype system at PSI injector interest in doing beam tests and experiments post-EuCARD?

Terry Garvey - PSI

CTF3-001...

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