

Status of ELETTRA



- Global Orbit Feedback (GOF)
- HDB collaboration
- Booster

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We are now very busy, so:

sorry, you will see very few pictures!

- status:
 - project almost completed
 - used during routine users shifts
 - powerful diagnostic tool
 - full Tango based
- to be done
 - improve steerer magnets bandwidth
 - fully automatic operation (one button operation)
 - switch Libera digital BPMs to kernel 2.6

- used for some systems of the Storage Ring
- accessed via Canone web interface
- used for all new Booster systems
 - logging available from day 0 of commissioning:
 - linac
 - vacuum
- more about HDB in G. Strangolino presentation

Booster commissioning



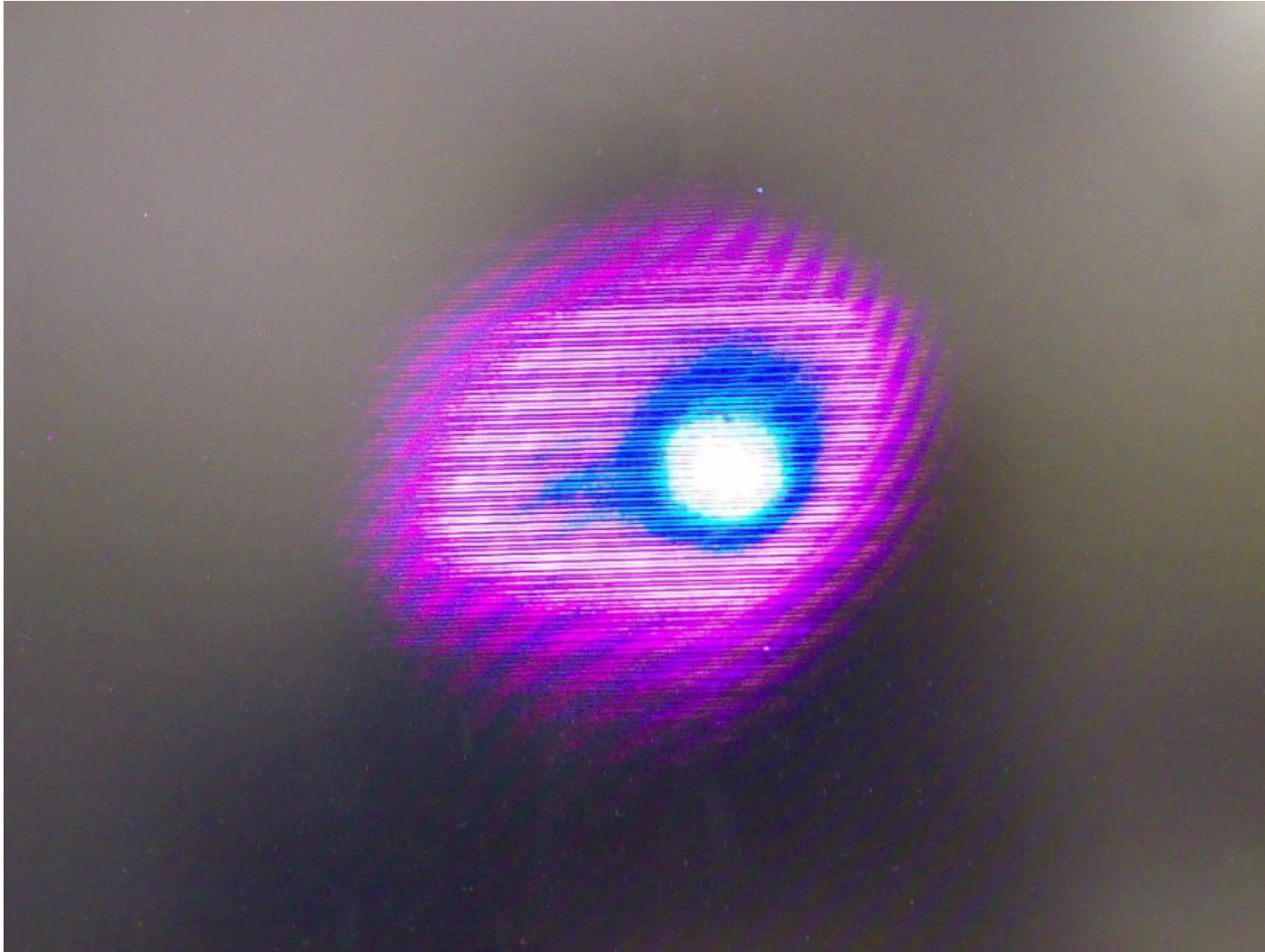
- started !
 - we have extracted electrons from the linac
 - 2 night shifts to reach the result
 - during the day we work the rest of the booster

Booster commissioning



12/09/2007 – fluorescent screen at end of buncher

Booster commissioning

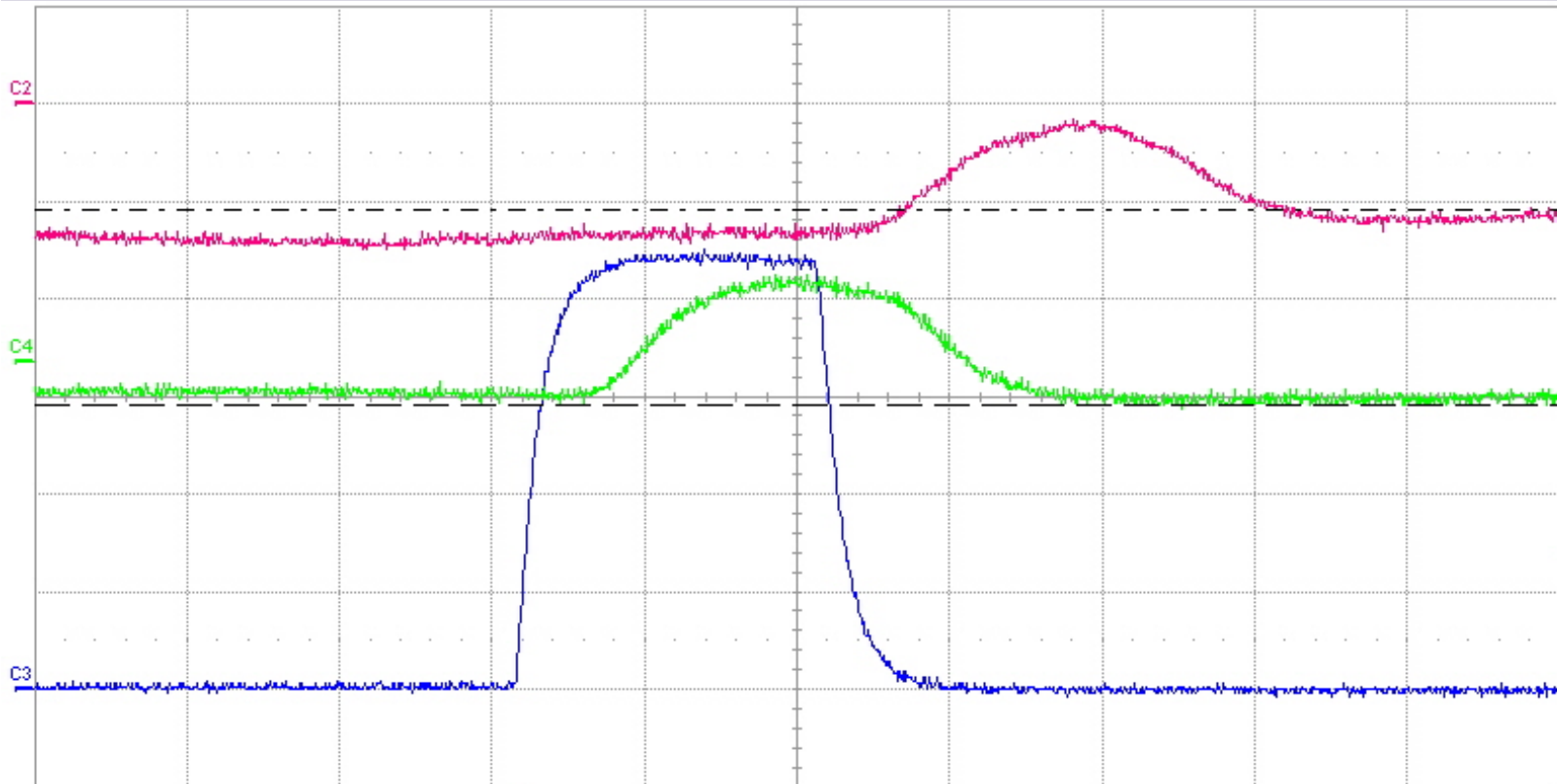


13/09/2007 fluorescent screen at end of linac

Booster commissioning



File Vert. Base dei Tempi Trigger Visualizza Cursori Misura Matem. Analisi Utilita' Aiuto



Measure	P1:ampl(C2)	P2:ampl(C3)	P3:---	P4:---	P5:---	P6:---
value	6.7 mV	219.9 mV				
status	⌘	✓				

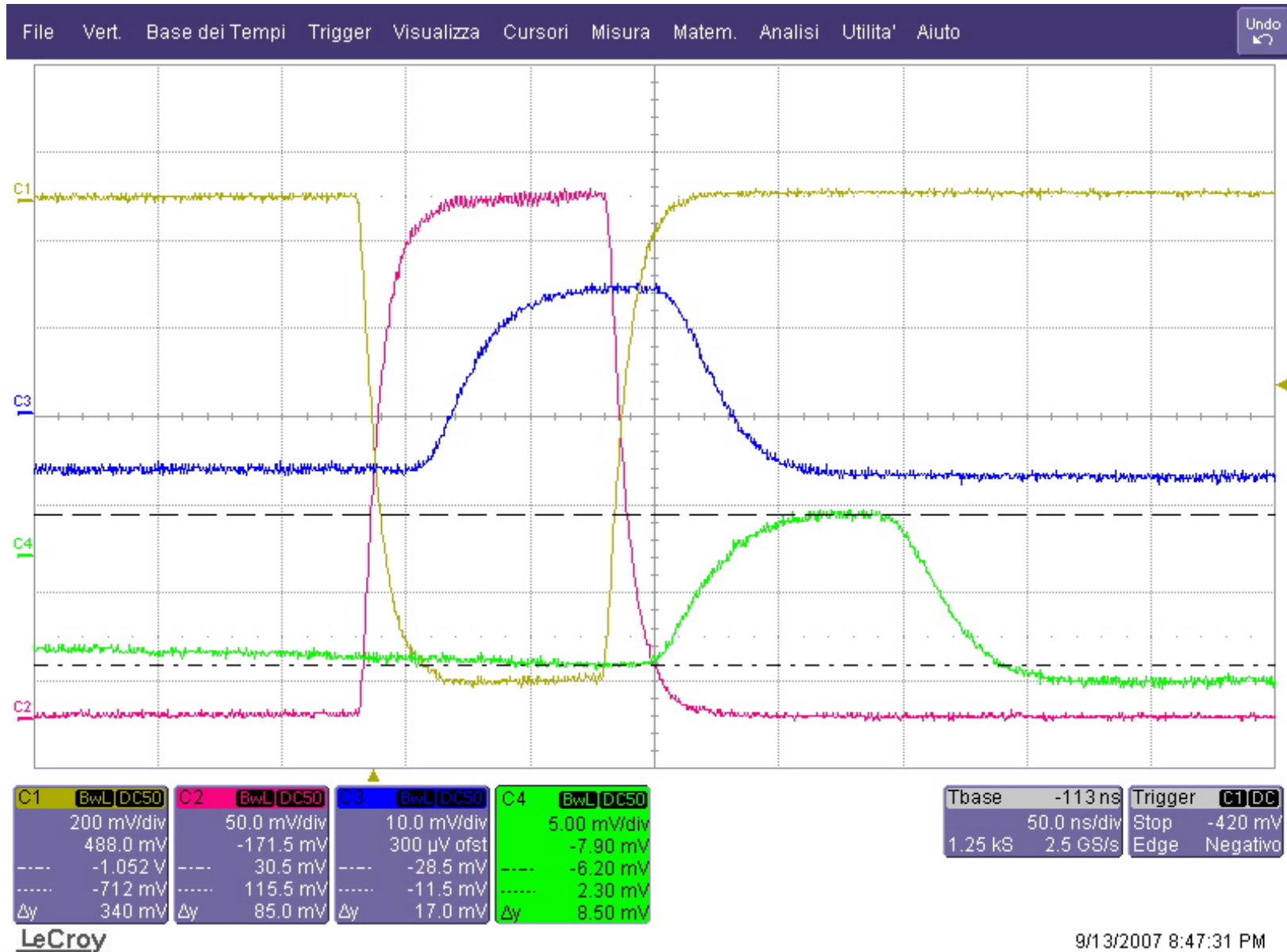
C2	C3	C4
BwL DC50	BwL DC50	BwL DC50
5.00 mV/div	50.0 mV/div	20.0 mV/div
15.00 mV	-150.0 mV	7.00 mV ofst
----- -5.50 mV	----- 245.0 mV	----- 31.0 mV
----- -15.45 mV	----- 145.5 mV	----- -8.8 mV
Δy -9.95 mV	Δy -99.5 mV	Δy -39.8 mV

Tbase	-88 ns	Trigger	C3 DC
	50.0 ns/div	Norm.	69.5 mV
1.25 kS	2.5 GS/s	Edge	Positivo

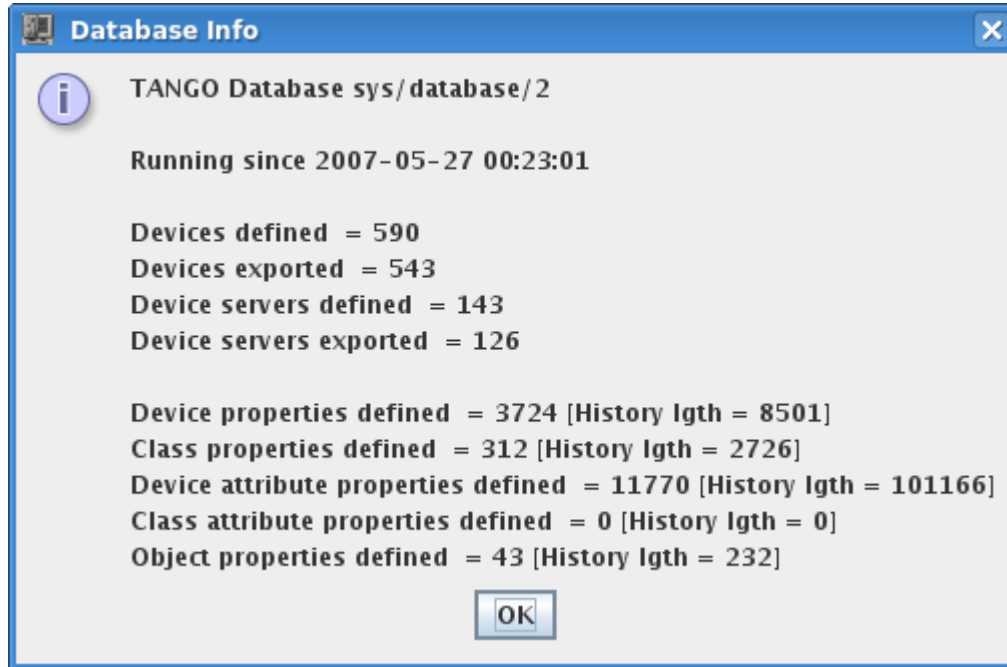
LeCroy

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Booster commissioning



Booster commissioning



Tango:

543 active devices

126 servers

(14/09/2007 – 15:30)