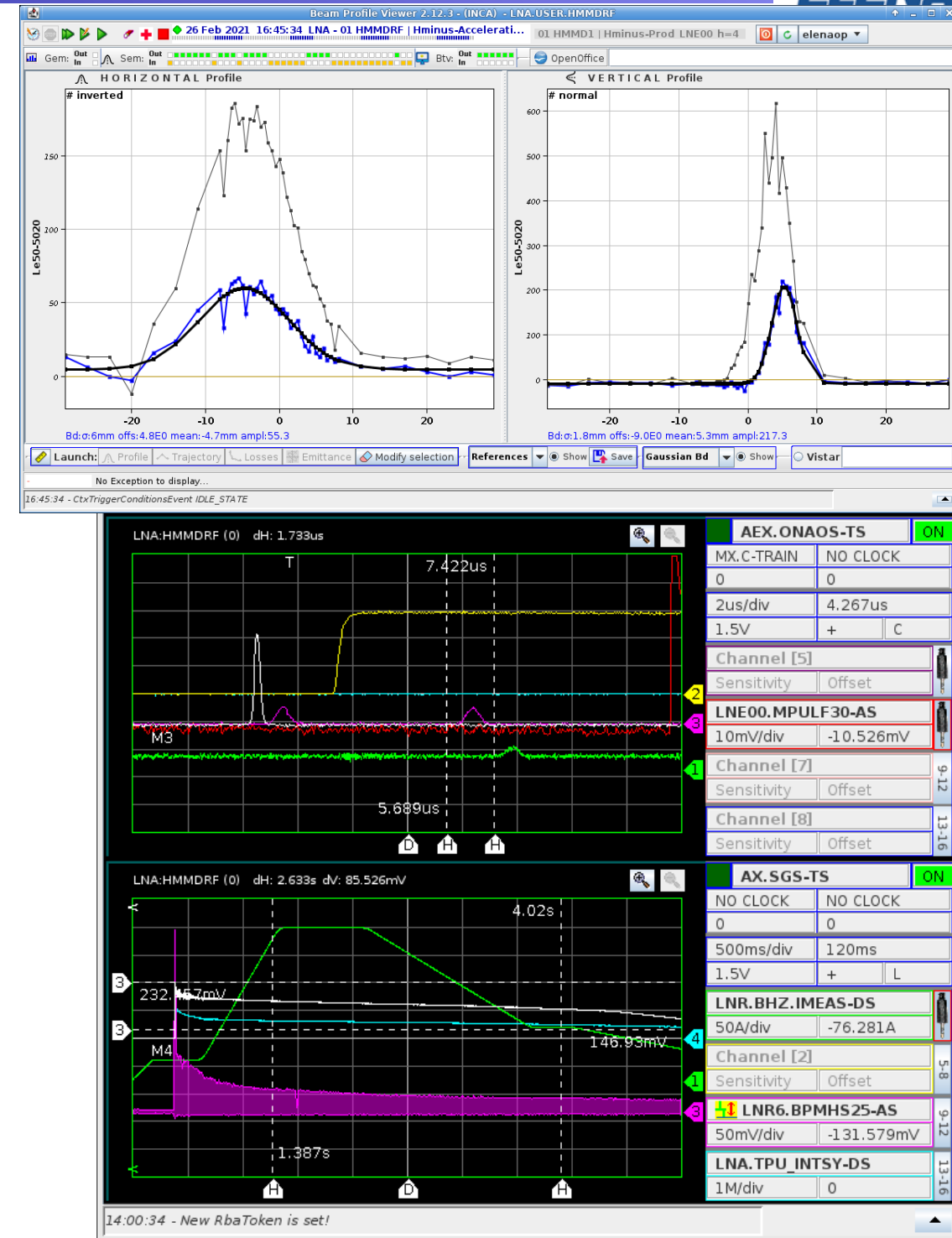


ELENA and AD commissioning status

- Cycle accelerating and decelerating the beam
 - Continue working on improving setting of working point
 - Beam extracted successfully!
- Continue fine tuning of beam distribution by SY/ABT team
 - Improve beam intensity of on the cycle with bunching beam with harmonic number $h=4$ (long bunches with lower intensity)
 - Scan on start fine delays of fast deflectors in transfer line
 - Check bunches distribution: look like there is a problem with BASE timing
- Continue optimization of the coupling and orbit with the e-cooler magnetic system ON for the different cycles
 - Change of ramp rate for the orbit correctors
- Test of e-cooling on Hminus beam:
 - Observation with Schottky based on BPM system





Issues/Observation



- Recurrent problem with Btrain probe/marker:
 - Noisy low marker made operation unstable again
 - Switch to spare system during investigation from Btrain experts
- Some timing issues?
 - Bunch sharing between LNE00 and LNE50 to be check (AEX.ST.BASE?)
- Acceleration/decelration cycle:
 - Some issues with the profile monitors triggering
 - Orbit measurement problem
- Need to test multi RF segment operation:
 - To be checked with RF experts the status of the software
- Frequent trips of LNR3.DFHE10 to be investigated

Tentative Program for This Week



Week coordinator: Davide

Operators: See [op-webtools](#)

	Main activities
Monday	<ul style="list-style-type: none">• 4 bunches cycle optimization
	<ul style="list-style-type: none">• ABT Studies (SEM bad wires verification)
Tuesday	<ul style="list-style-type: none">• Machine in access (morning):<ul style="list-style-type: none">• Completion of pumping system on LNE02 + pumping (A. Sinturel)• Installation of current divider for LPU• WIC rack exchange (EPC)
Wednesday	<ul style="list-style-type: none">• Study with the acceleration/deceleration cycle without e-cooler magnetic system
Thursday	<ul style="list-style-type: none">• Electron cooling studies
	<ul style="list-style-type: none">• ABT Studies
Friday	<ul style="list-style-type: none">• Ring MD
	<ul style="list-style-type: none">• ABT Studies

+ continue **development** of **software** and **tools** for machine control/optimization
+ **no request** so far for **GBAR** and **ALPHA**