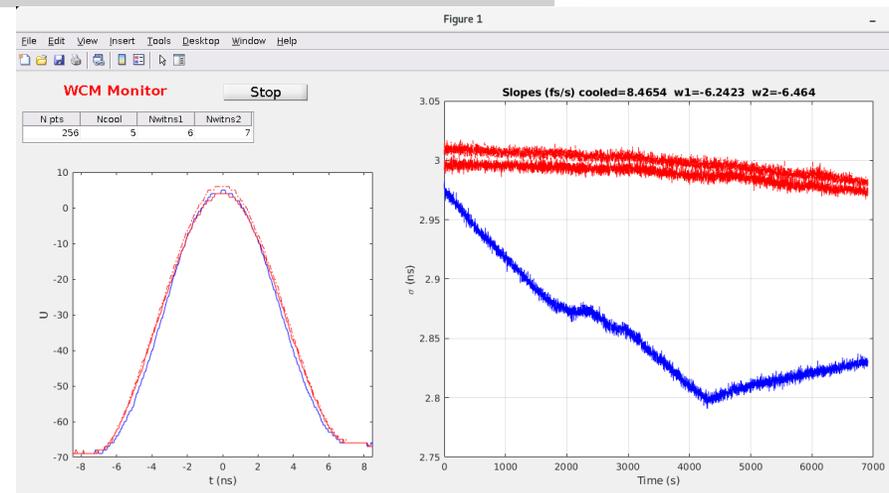
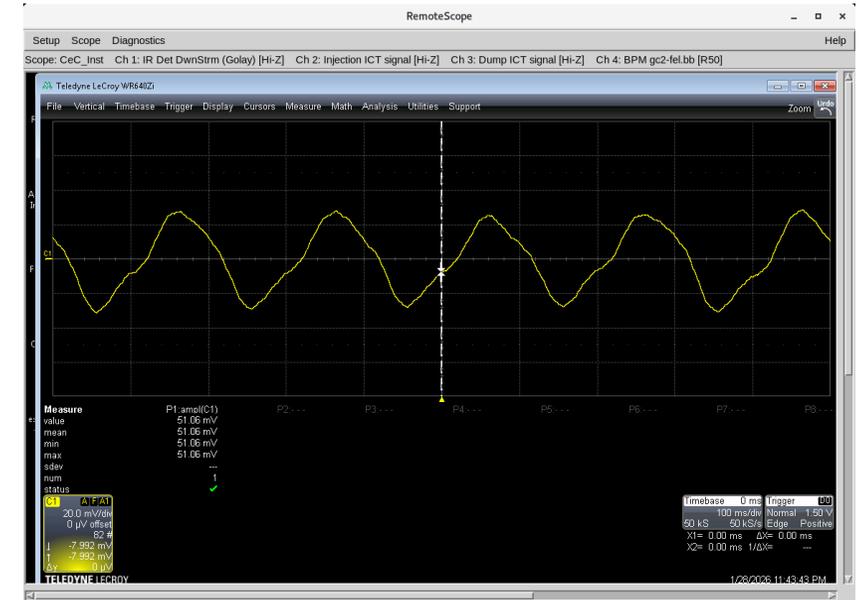
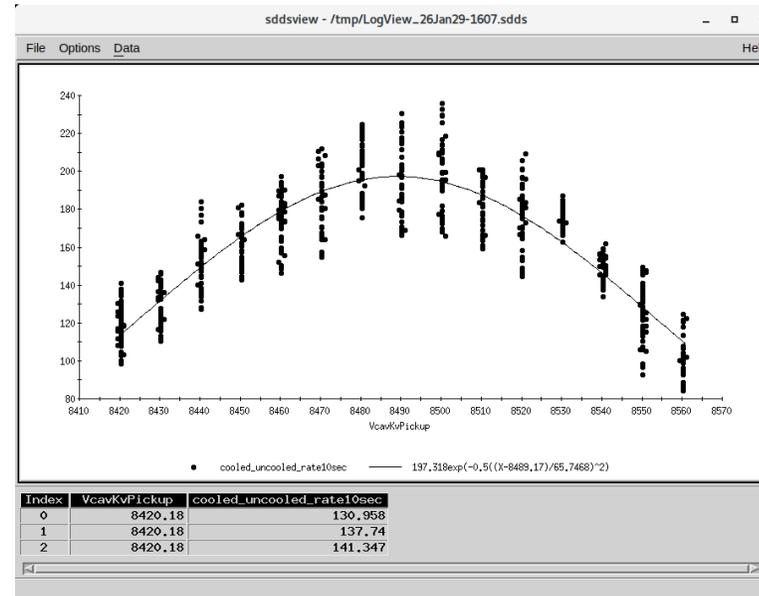


# Short summary of last APEX 1/28 – 1/31

- We **observed** strong recombination signal and regular cooling (cooling time ~ 10 hours) with relaxed lattice, **but no** coherent cooling or heating when using PCA lattice.
- **Strong** IR signal but **no** information of the composition of the radiation (frequency spectrum).
- We will need to analyze data and identify the possible cause(s).



Ion bunch length  
**Blue**: interacting  
**Red**: witness

Thanks to everyone for your help and support!