

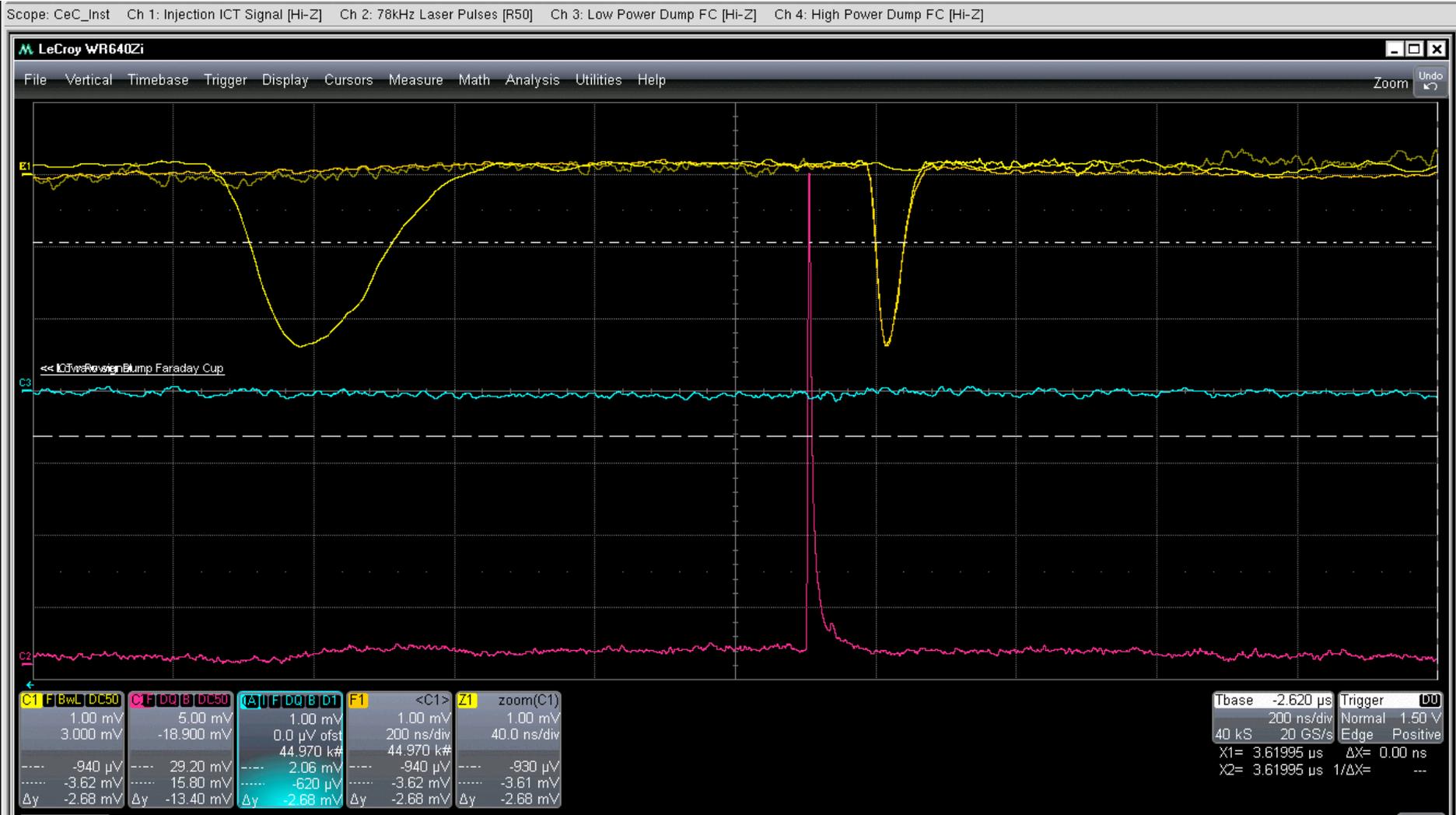
CeC PoP Experiment

March 15, 2016

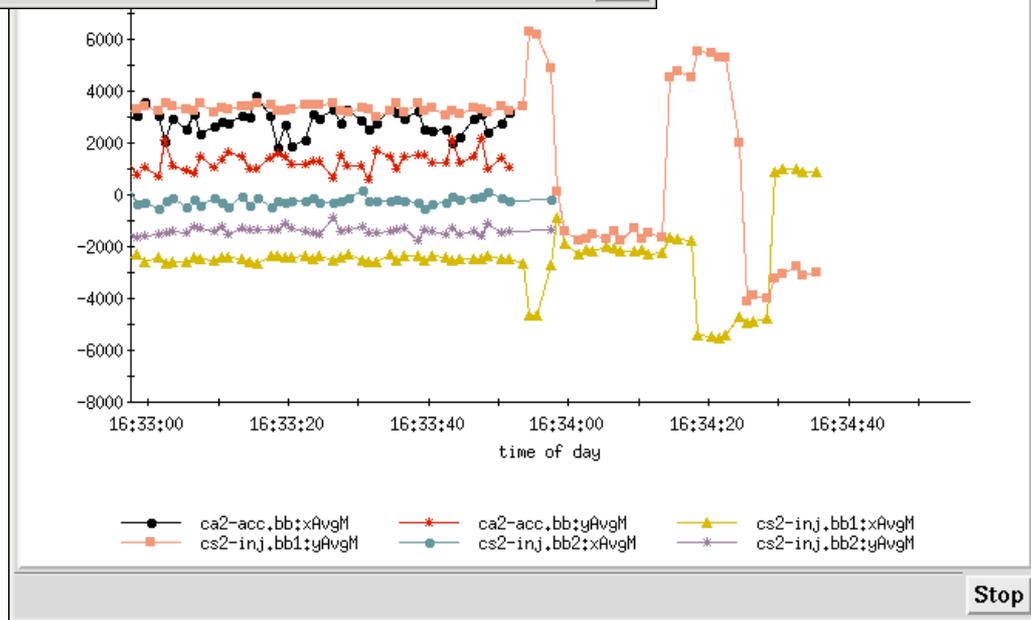
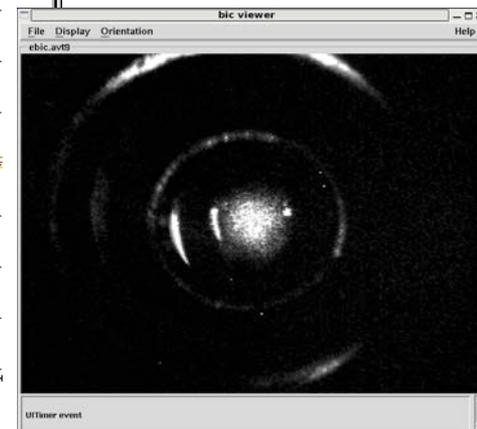
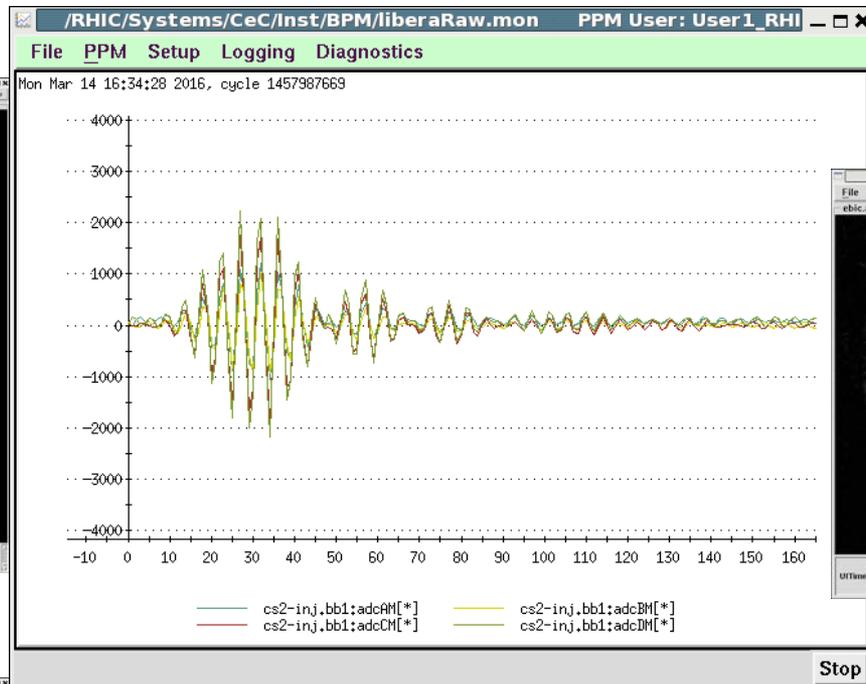
Test Progress

- The photocathode was inserted into the gun
- All permits to proceed with low power test obtained including DoE approval for Low Power Beam Test
- Observed 100 pC charge
- Observed beam on the first two profile monitors
- Observed beam on the three beam position monitors and expecting to receive this weak

Observed Bunch Charge



CeC PoP Low Power Tests



What's Next

- Finish gun conditioning
- Insert new cathode and continue low power beam tests
 - measure energy
 - test beam charge monitor
 - observe beam on the third profile monitor and Faraday cup
 - perform radiation survey with beam at Low Power dump