

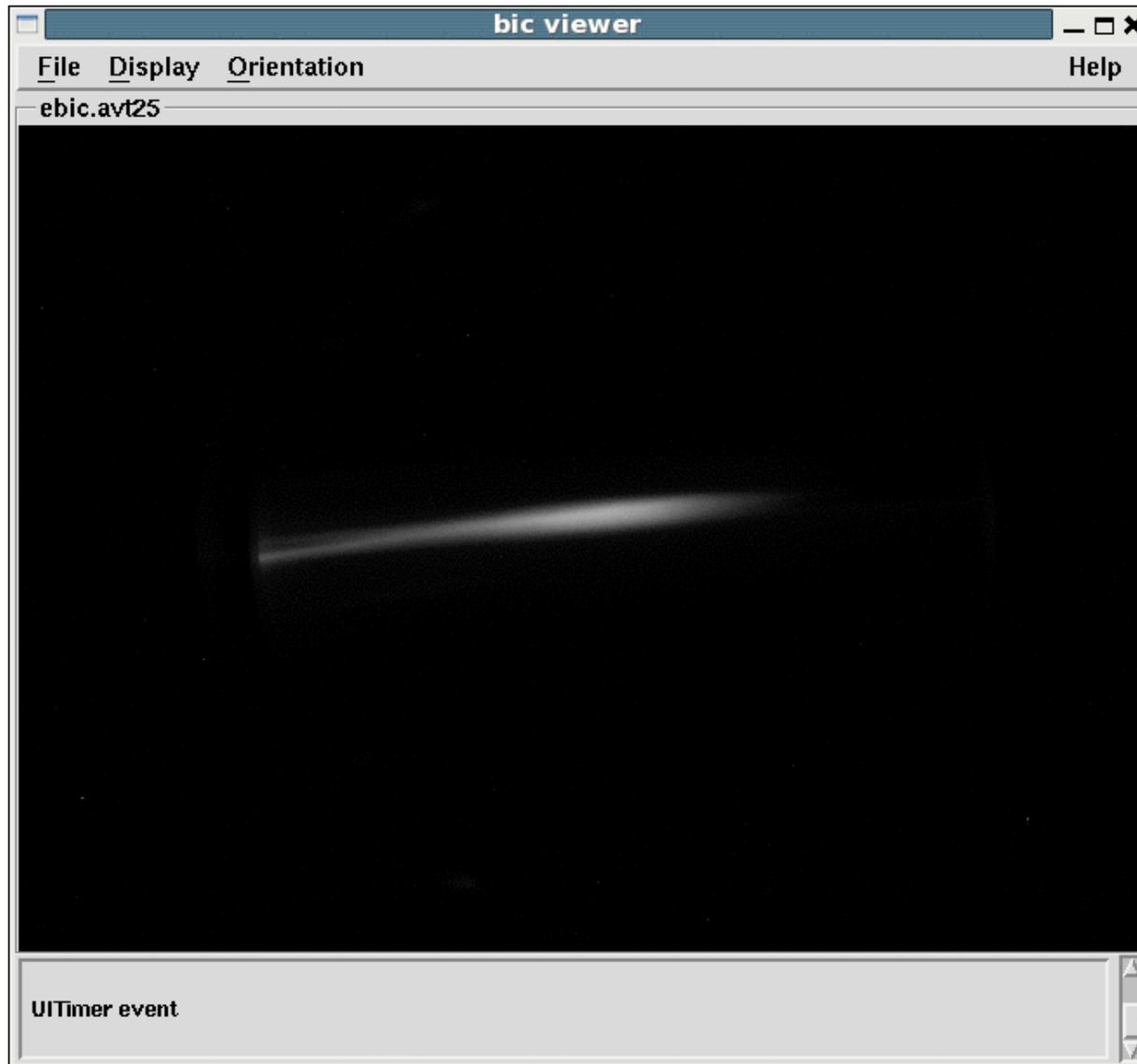
CeC PoP Experiment

June 21, 2016

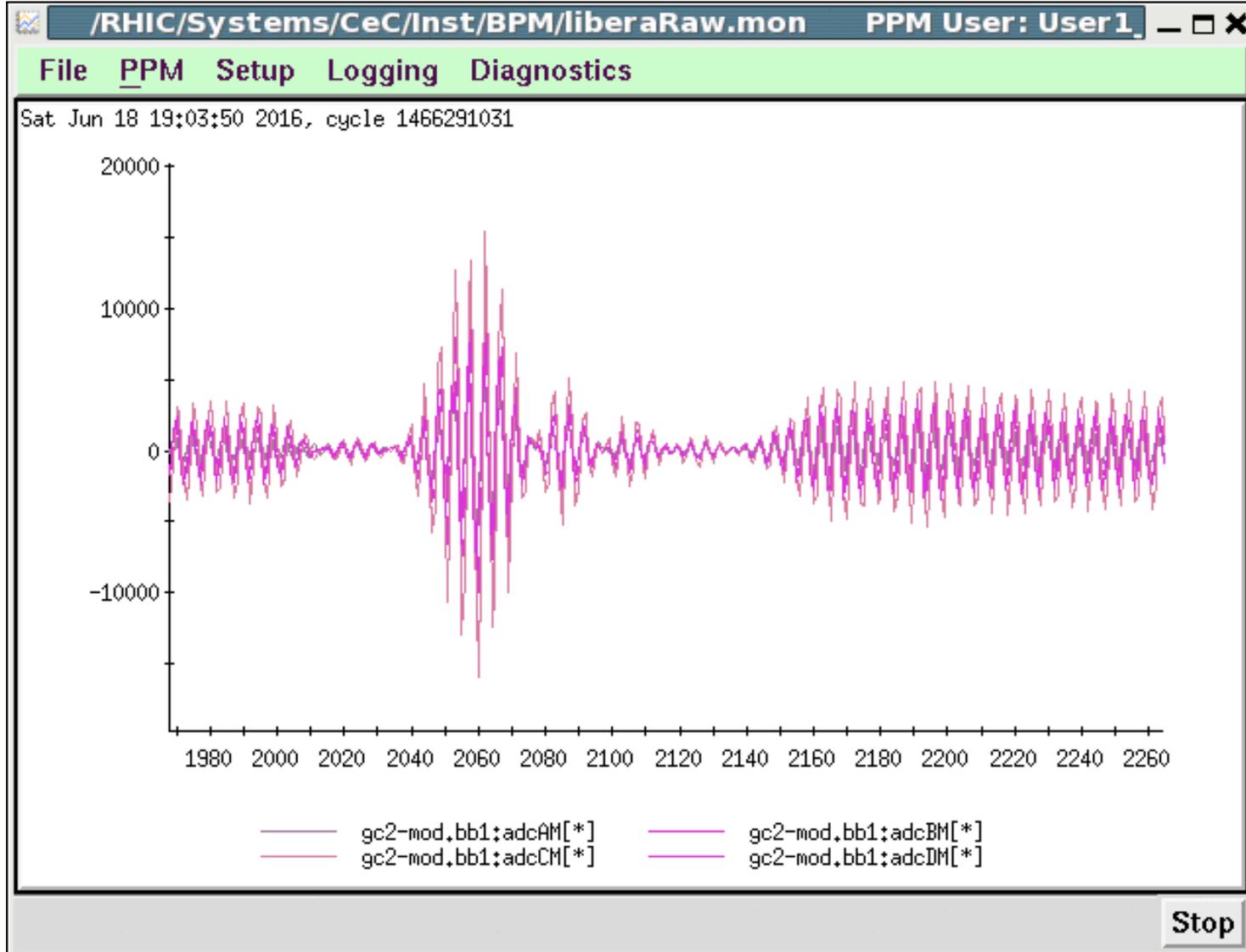
Project Progress

- We were able to propagate beam to the high power dump
- There is possibility to observe the electron beam on the BPMs even with re-bucketed hadron beam
- One of the new two cathodes died in few hours

Electron Beam Image on Profile Monitor before the High Power Dump

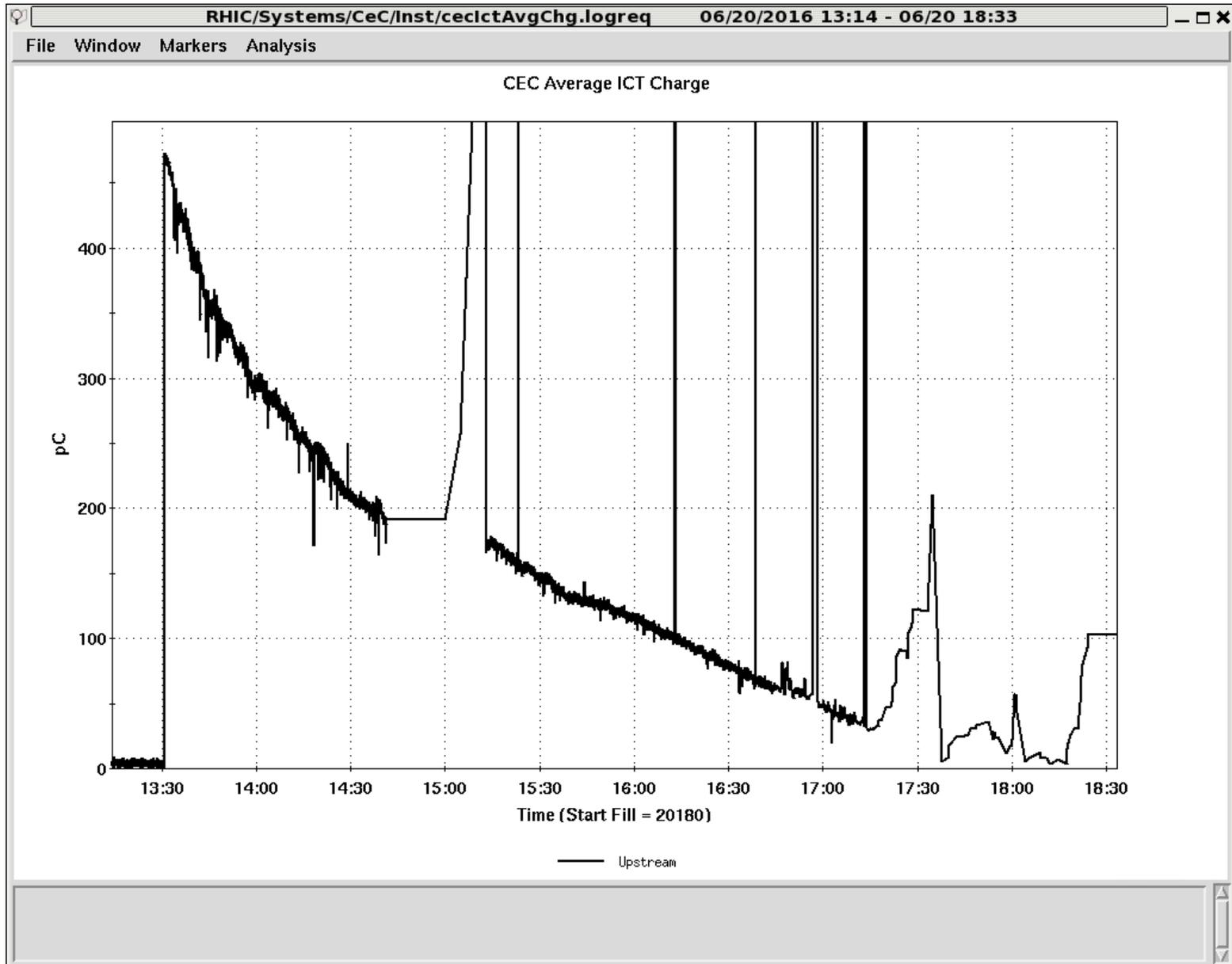


Beam Signal on BPM



By setting threshold above hadrons' signal we are able to measure electronbeam position

Cathode Lifetime



What's Next

- Finish development of operational set-up (fixed optics and energy)
- We will try to propagate beam to the high power dump with matched optics and low losses
- Commission charge monitoring system
- Commission machine protection system
- Radiation surveys with full current beam