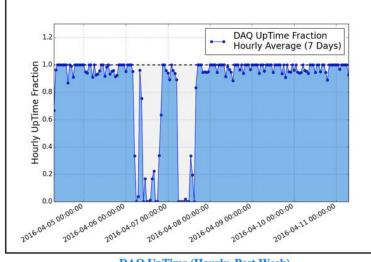
# MicroBooNE Update

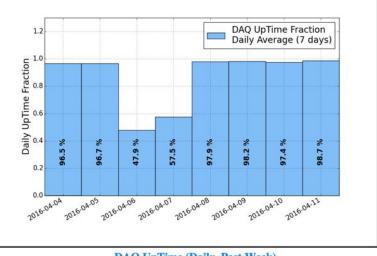
All Experimenters' Meeting - 4/11/2016 Matt Bass



#### **DAQ Uptime**



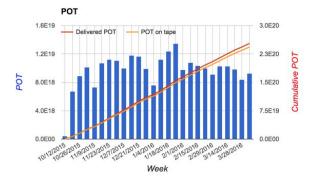


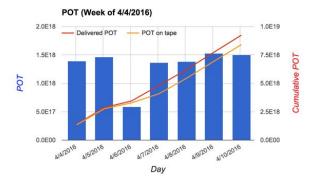


DAQ UpTime (Daily, Past Week)

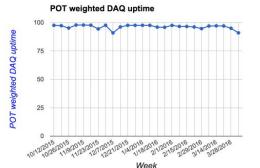
- DAQ uptime ~71% for the past week
- Beam downtime on Wednesday
- Planned downtime on Thursday

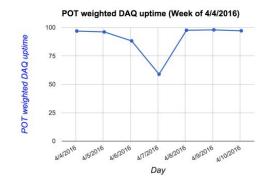
#### **POT Delivered & POT Recorded**





- Weekly POT delivered
   0.92e19
- Weekly POT recorded
   0.84e19





 91% POT weighted uptime for week of 3/28

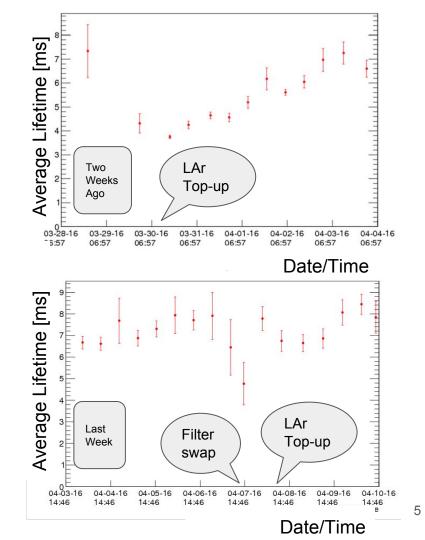
 Work on 4/7

### Wednesday-Thursday Work

- Full two days worth of work starting at Wednesday's beam downtime and extending into Thursday afternoon
  - ASIC low voltage filter switch (in/out)
  - Chirping (intermittent unresponsive channels) measurements
  - Supernova stream readout tests
  - Cryo full filter skid placed online
  - Cryo pump switched out
  - RAID firmware update
- Good planning, team-work, and excellent response from shifters and subsystem experts made this work go smoothly and efficiently

## **Cryo Filter Skid Swap**

- **Swapped** from a low mass cryo filter to a full filter on **Thursday**
- The filter swap went smoothly and we have quickly recovered electron lifetime
  - Also replaced cryo pump at the same time
  - Seems to have recovered more quickly than with low mass filter
- Answering a question from last week:
  - 6 ms electron life-time is achieved with
     50 ppt O2 equivalent



### **ASIC LV Filter Test**

- Swapped in service boards with boards that implement a Chebyshev filter on the LV power supply
  - On one feedthrough (FT5)
  - Goal was to filter low-frequency noise
- Work went smoothly
- Boards removed on Thursday; originals put back in place
- Preliminary results look promising
  - See gains in S/N
  - Analysis is ongoing

