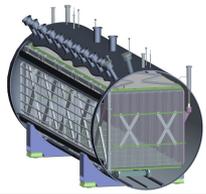


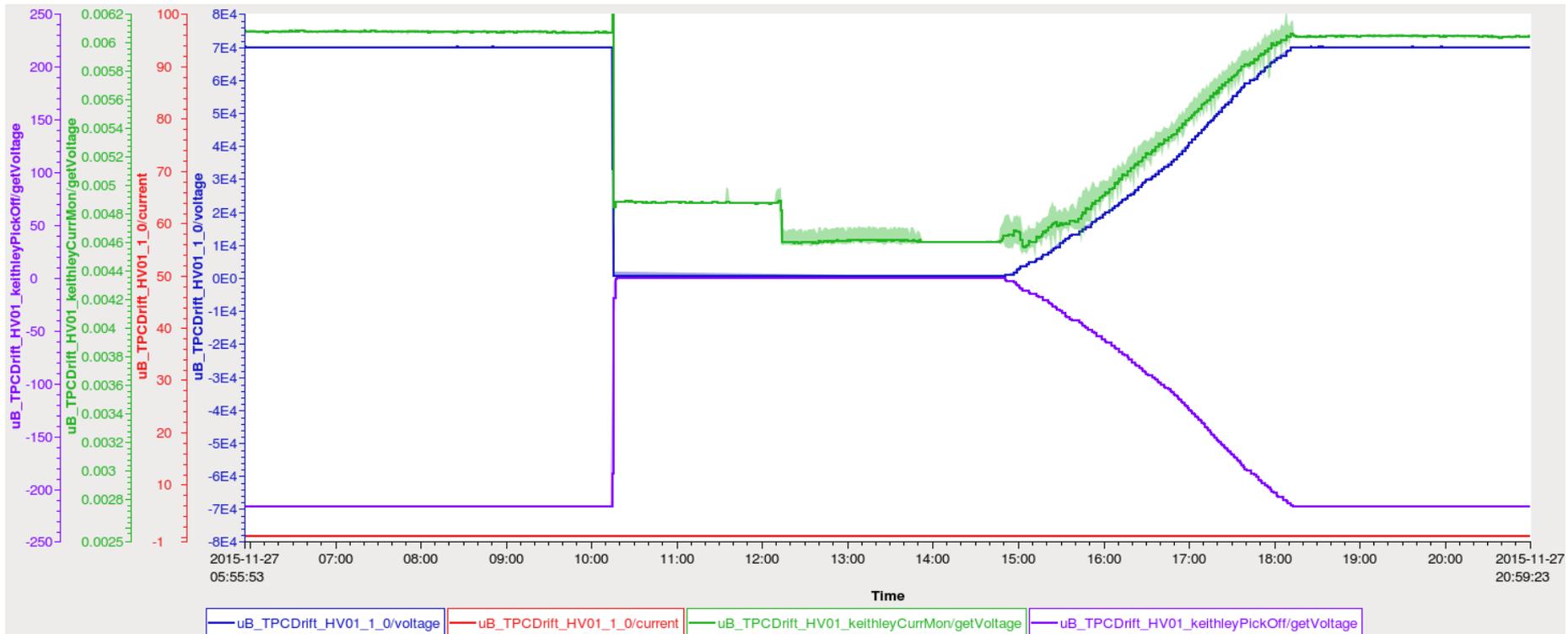
# MicroBooNE Status Report

**Michael Mooney**  
**BNL**

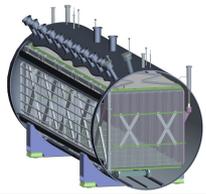
*All Experimenters' Meeting*  
*November 30<sup>th</sup>, 2015*



# Cathode HV Trip

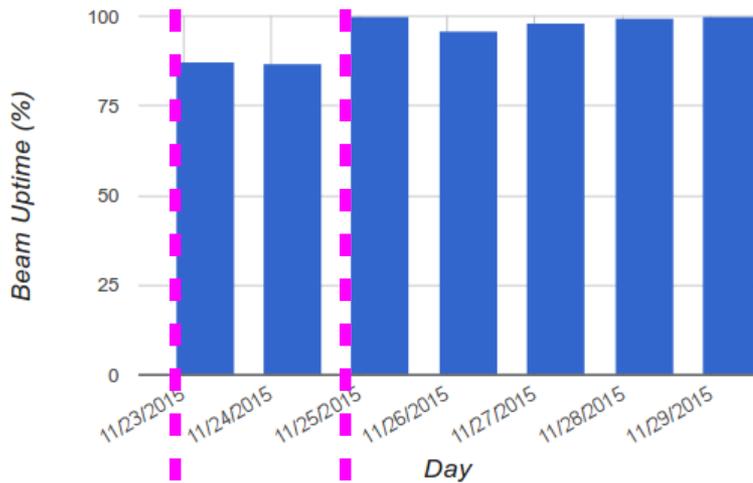


- ◆ Have been periodically (1-2 times a day) seeing small fluctuations on the cathode (at most 1% deviation in HV level)
- ◆ Last **Friday** cathode HV tripped due to one of these fluctuations
- ◆ Currently investigating trip event using PMT data

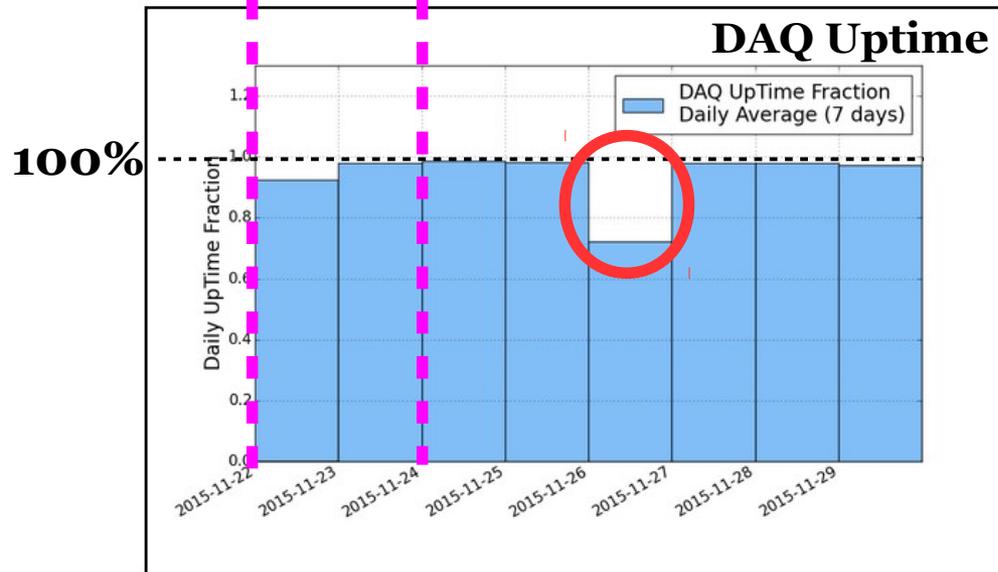


# Beam vs. DAQ Uptime

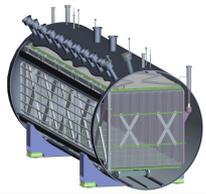
Beam Uptime (Week of 11/23/2015)



DAQ Uptime

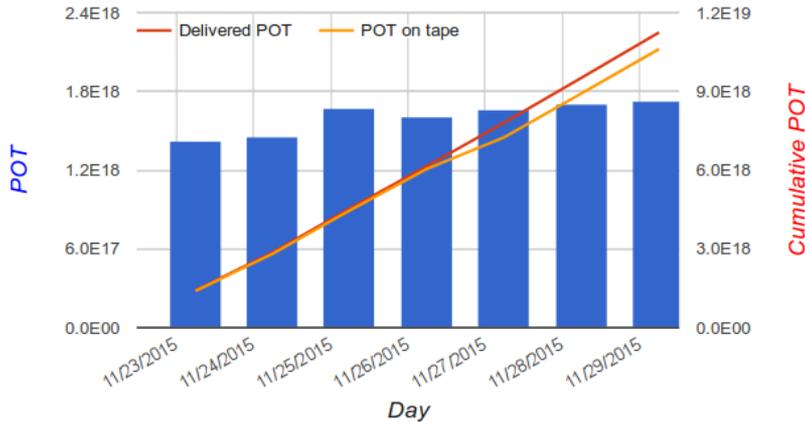


- ◆ BNB/NuMI beams were down for part of the day **Monday/Tuesday**
- ◆ Drop in DAQ uptime on Friday due to **cathode HV trip** (see previous slide)
- ◆ Otherwise DAQ uptime high when beam was on (> 97%)

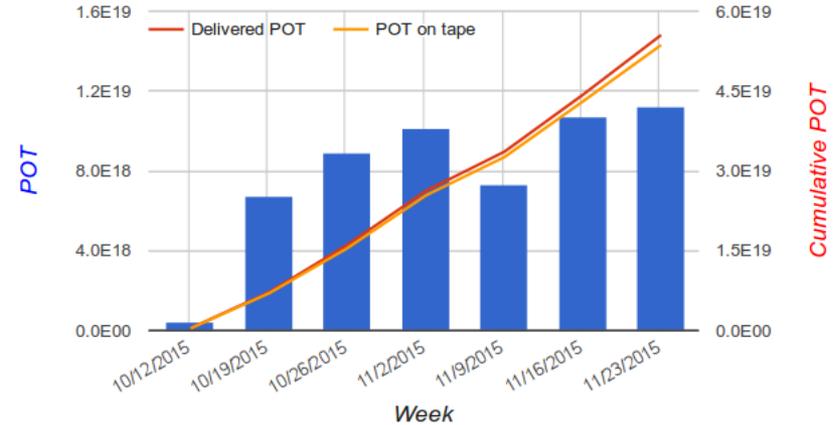


# POT on Tape

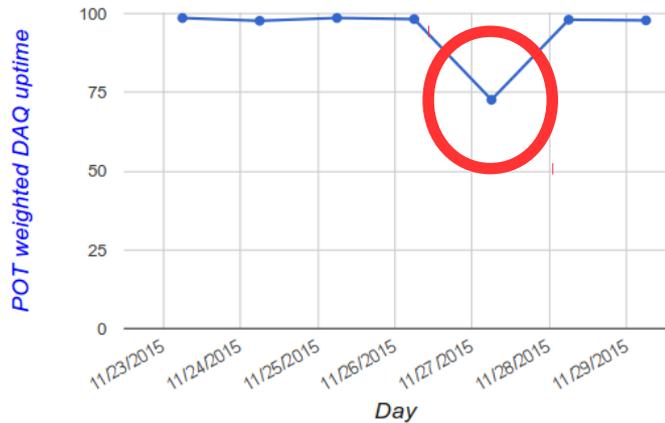
POT (Week of 11/23/2015)



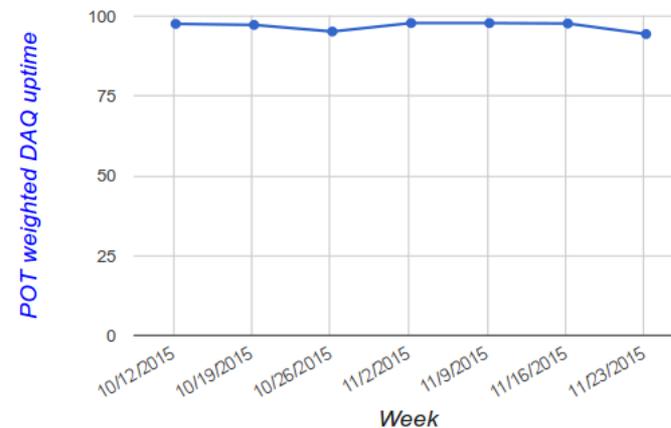
POT



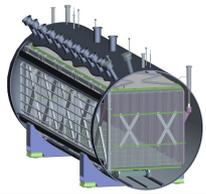
POT weighted DAQ uptime (Week of 11/23/2015)



POT weighted DAQ uptime



◆ **POT-weighted DAQ uptime high last week except for Friday (due to **cathode HV trip**)**



# Summary

- ◆ Stable beam from BNB:  **$3.9e12$**  protons/spill at **5** Hz
- ◆ Detector downtime last Friday due to cathode HV trip
- ◆ Sump pump controller box also in alarm last Friday
  - Fill level high – drained via temporary fix to controller box
  - Additional work ongoing this week (further issues with sump pump #2, likely related problem in controller box)
- ◆ Aside from cathode HV trip, DAQ uptime **above 97%** when beam on