



# MicroBooNE Status Report

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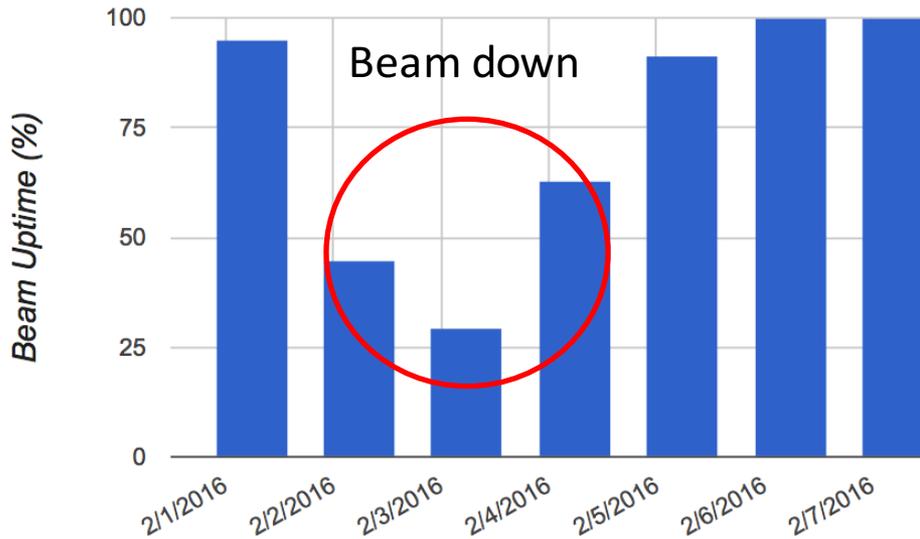
**All Experimenters' Meeting**  
**February 8<sup>th</sup>, 2016**

# Filter Material Removal

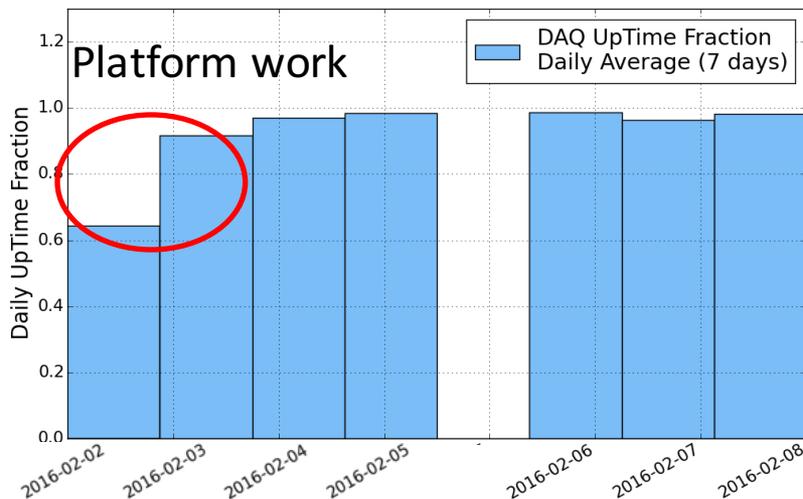
- Prepared the second offline filter for use with reduced material.
- Put the filter with removed material online on Feb 3<sup>rd</sup> (Wednesday).
- Current filter mass is reduced to 1/3 of original.
- Observed expected lifetime decrease during the process. Recovery almost complete post filter replacement.
- PMT single PE rate has decreased from 250 kHz/PMT to 170 kHz/PMT.

# Beam Vs DAQ Uptime

Beam Uptime (Week of 2/1/2016)



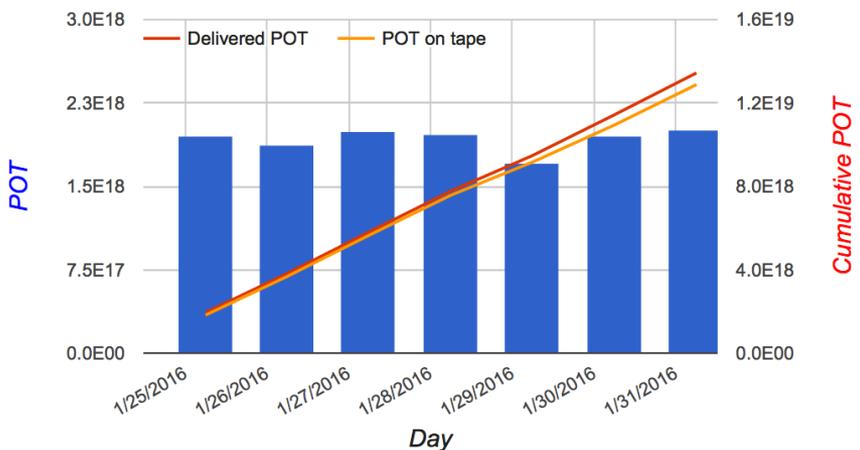
- Beam down on **02/02 (Tue.)**, **02/03 (Wed.)** and **02/04 (Thu.)**
- Used beam down time for hardware upgrades
  - Install Toroid for HV system (**Tue.**)
  - Filter material removal (**Wed.**)
  - Trigger and MuCS upgrades (**Tue.**)



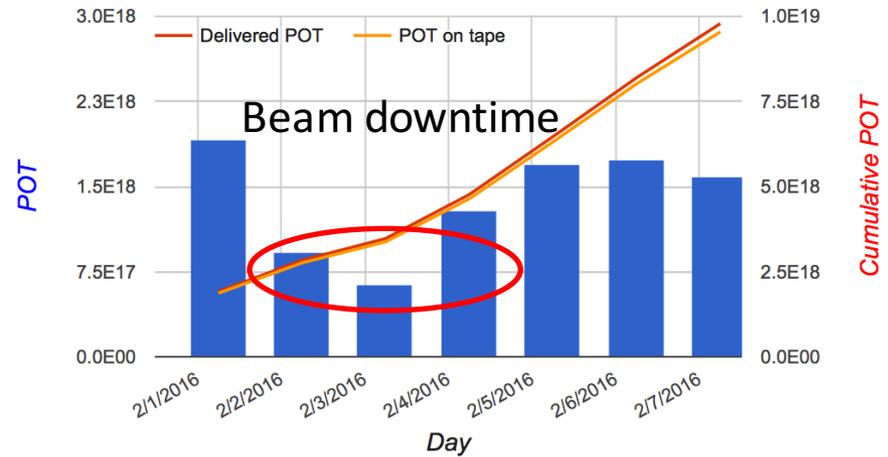
- More software PMT triggers test in DAQ

# POT on Tape

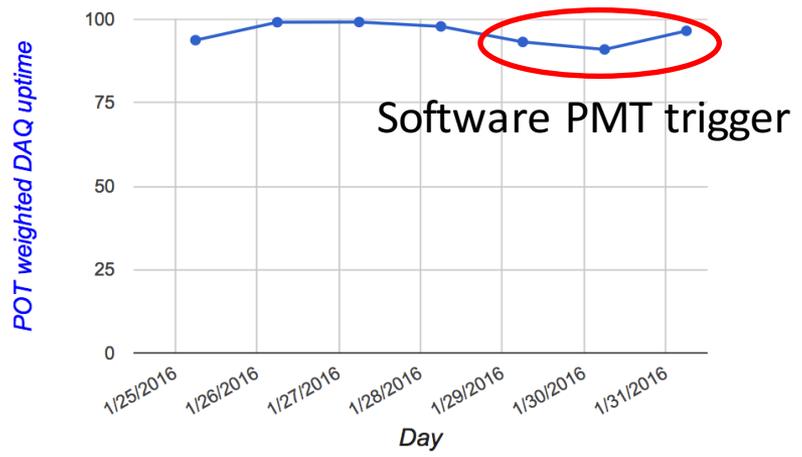
POT (Week of 1/25/2016)



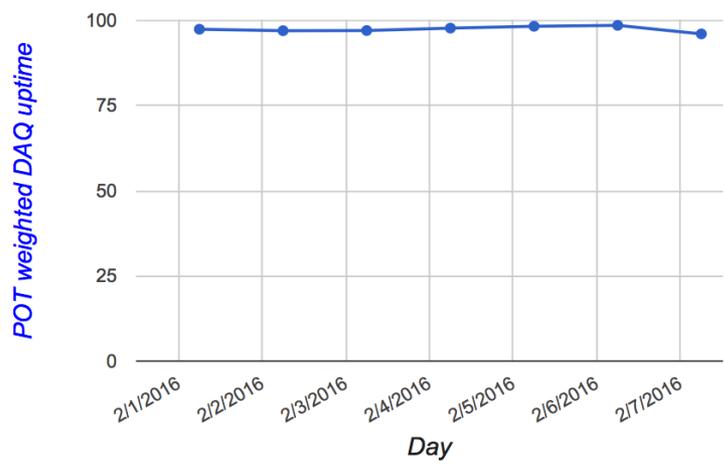
POT (Week of 2/1/2016)



POT weighted DAQ uptime (Week of 1/25/2016)



POT weighted DAQ uptime (Week of 2/1/2016)



**POT weighted DAQ uptime last week (week of 2/1): 97.5%**

# Summary

- Filter material removed; PMT single PE rate decreased from 250kHz to 170kHz.
- Several upgrades performed during beam down time.
- First week with software PMT trigger, great POT weighted DAQ uptime 97.5%