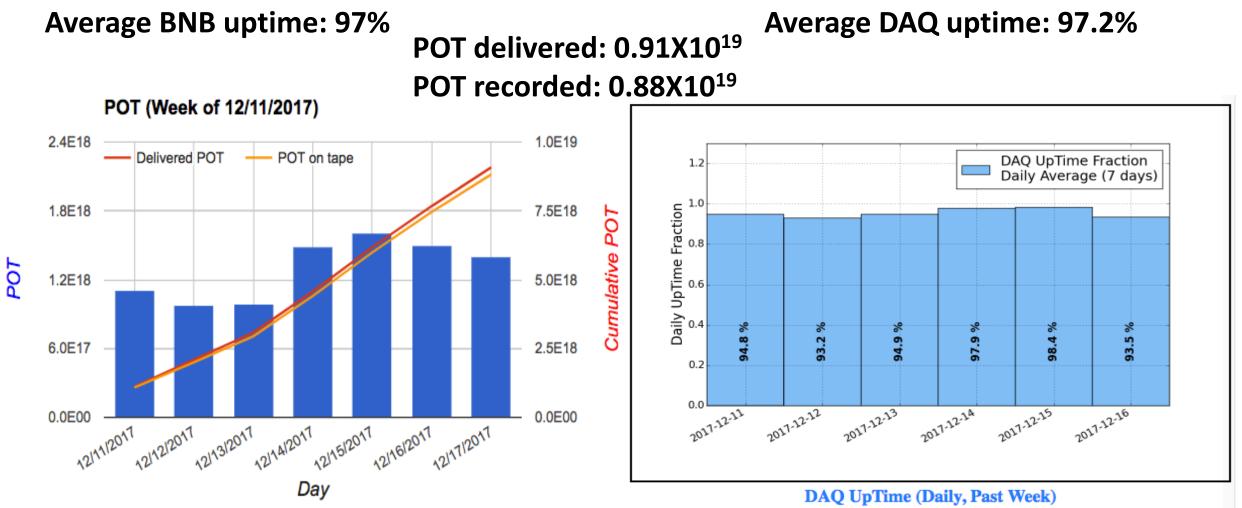
# MicroBooNE Experiment Report

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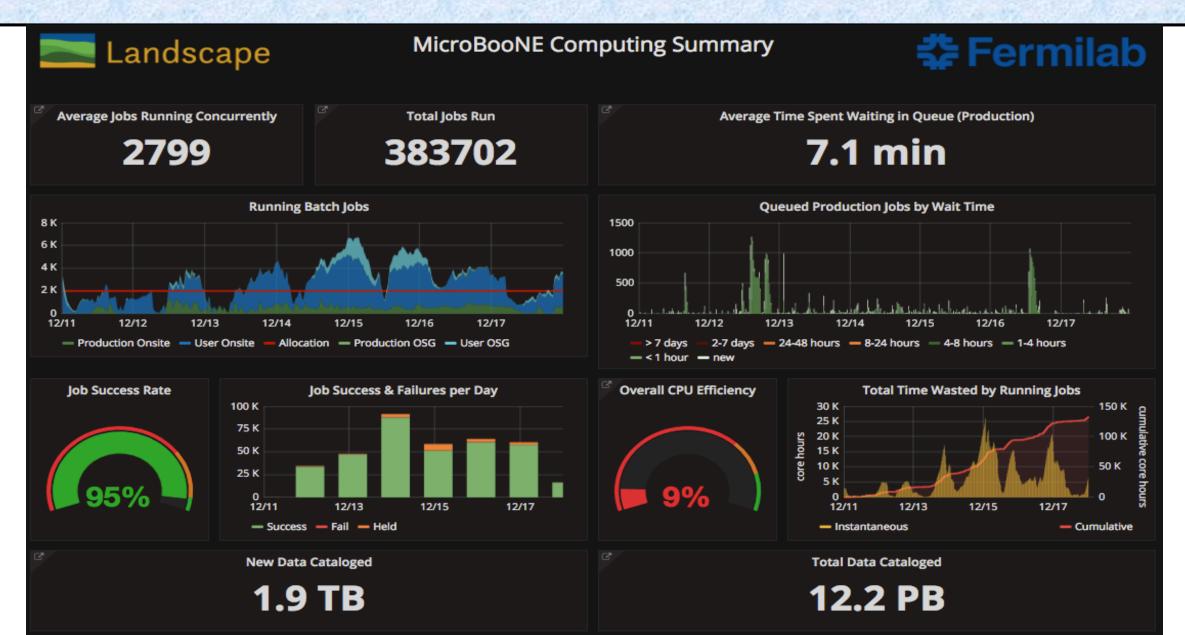




#### **Beam Statistics**



#### **Computing Summary**



## Cryo Work

- Replaced spare recirculation pump with the rebuilt one in LArTF
- Caused a short that resulted in power to be lost in the active recirculation pump
- quickly diagnosed and resulted in ~2 hours of pump less detector operation.
- Data taken during this time still usable for physics

### New Software Trigger

- Added a new software trigger to increase the bandwidth to BNB data
- lowered the light collection threshold (6.5 PE  $\rightarrow$  5.0 PE)
- The new trigger is an addition (not replacement) to the existing trigger settings.

#### Data Management

- Successful retreat on validation of slimmed data/MC files was held last week (Tues-Thu)
- Decision was to proceed with data slimming and production is ongoing.

#### **Microboone Datasets Production**

#### Full Run 1 MCC8 Reprocessing/Filtering using v06\_26\_01\_09 (MCC 8.5)

Input	Reconstructed	Analysis Tree
prod_bnb_swizzle_inclusive_v3	prod_reco_optfilter_bnb_v11_mcc8	prod_anatree_optfilter_bnb_v11_mcc8
( <u>describe</u> , <u>summary</u> , <u>files</u> )	( <u>describe</u> , <u>summary</u> , <u>files</u> )	( <u>describe</u> , <u>summary</u> , <u>files</u> )
prod_extbnb_swizzle_inclusive_v3	prod_reco_optfilter_extbnb_v11_mcc8	prod_anatree_optfilter_extbnb_v11_mcc8
( <u>describe</u> , <u>summary</u> , <u>files</u> )	( <u>describe</u> , <u>summary</u> , <u>files</u> )	( <u>describe</u> , <u>summary</u> , <u>files</u> )

### Summary

- MicroBooNE is running stably with continuous neutrino data-taking
- Cryo regular maintenance work successfully completed after replacing the recirculation pump
- Additional software trigger by lowering light collection threshold has been implemented
- Data/MC event size reduction has been validated last week, full sample production is ongoing