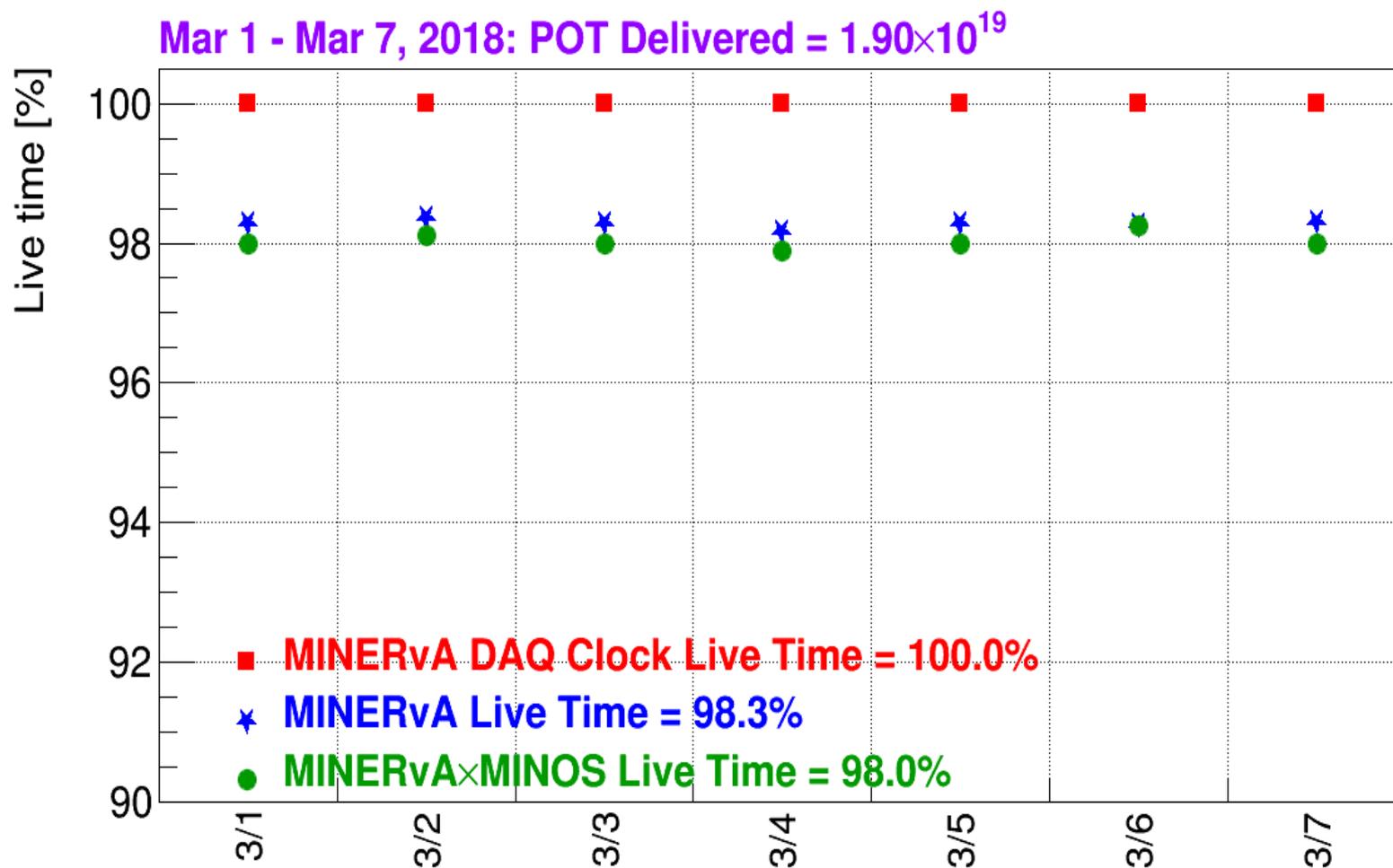


# The MINERvA Operations Report All Experimenters Meeting

Howard Budd, University of Rochester  
Mar 12, 2018



# $\nu$ Data





# MINOS Hardware Replacements



- Mar 6 - replaced 4 MINOS MINDERS (front end boards), 3 with single channel problems & 1 with multi-channel ped problems.
- Mar 12 (today) - replaced 4 MINOS MINDERS, 3 with single channel problems & 1 with multi-channel ped problems.



# MINERvA Publication



- Measurement of the muon antineutrino double-differential cross section for quasielastic-like scattering on hydrocarbon at  $E_{\nu} \sim 3.5$  GeV
  - C. E. Patrick *et al.* (MINERvA Collaboration)
  - Phys. Rev. D **97**, 052002 – Published 8 March 2018

# Mar 5 - 11

**Average Jobs Running Concurrently**

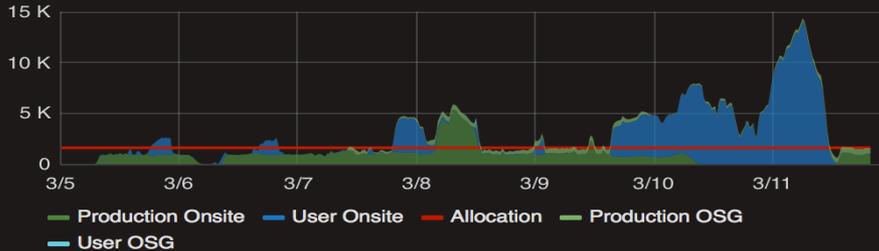
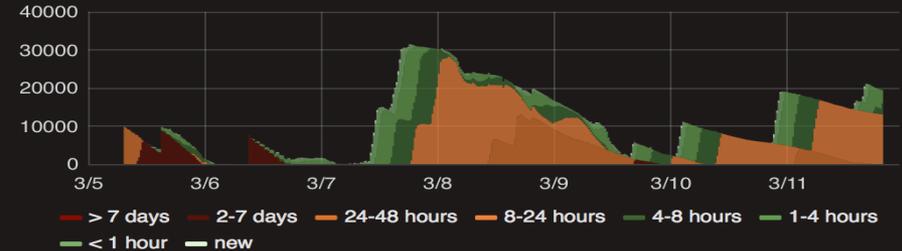
## 3001

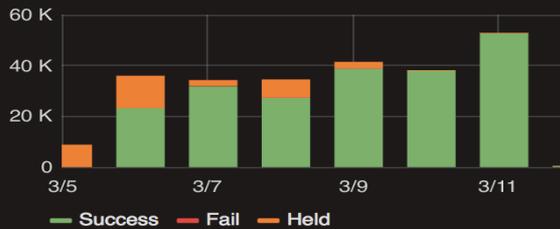
**Total Jobs Run**

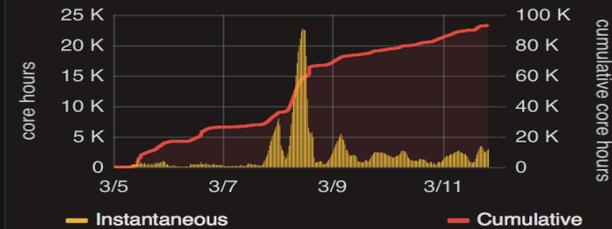
## 245862

**Average Time Spent Waiting in Queue (Production)**

## 18.27 hour

**Running Batch Jobs**

**Queued Production Jobs by Wait Time**

**Job Success Rate**

**Job Success & Failures per Day**

**Overall CPU Efficiency**

**Total Time Wasted by Running Jobs**

**New Data Cataloged**

## 0.7 TB

**Total Data Cataloged**

## 2.1 PB

- Average concurrent jobs are higher than quota (average quota is ~1600) due to production job.
- Job success rate is slightly low due to the time limit for the production job
  - Tight time limit (1 hour) was set for generator stage job which takes ~ 20 min. in average