## The MINERvA Operations Report All Experimenters Meeting

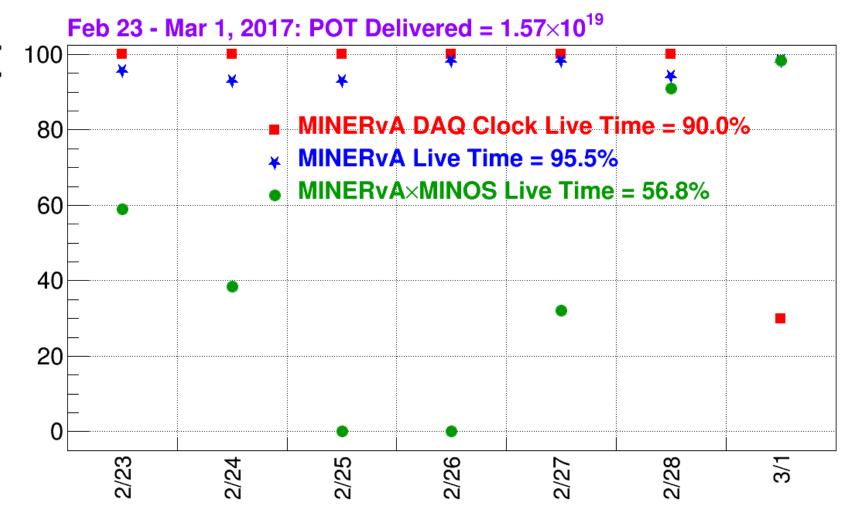
Howard Budd, University of Rochester Mar 6, 2017



## v Data









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- Feb 23, 24, 25, & 28 94.0% MINERvA live
  - Some keep up jobs failed to process raw digits and these jobs died.
    We had this problem last week too and are continuing to investigate it
- Feb 23 61.7% MINOS live
  - A log file filled up the MINOS DAQ disk.
  - This was a continuation of the incident reported last week for Feb 22.
  - We are now monitoring this disk.
- Feb 24 27 18.2% MINOS live
  - We use data from the "MINOS Data Validation Page" (part of MINOS near line) to calculate our MINOS live time. This process did not work for Feb 24 27. The MINOS jobs for this Page are being resubmitted so the live times will have to be recalculated.
    - MINOS used the Data Validation Page for their live times.
  - We looked at some nearline histograms during this period and they looked fine



## The Watch Dog



- On Mar 4, the MINERvA DAQ stopped for ~ 1 ½ hours due to a hardware error. The "Watch Dog" did not go off and page the experts. Due to a previous DAQ failure of the "Watch Dog", it had been modified. (This previous DAQ failure was unusual and noticed quickly.) However, a mistake was put in the "Watch Dog" which prevented it from working. The mistake was fixed and the "Watch Dog" was tested to be sure it worked.
  - Both problems were quickly fixed.
  - The Mar 4 live time will be reported next week.
- In addition, we have implemented another independent "Watch Dog". This Watch Dog" checks that the DAQ processes are live, independent of the beam. If not, it pages the experts.
  - We try to keep the DAQ running except if there is work on the detector.



- Period 02/27/2017 03/05/2017
- Average concurrent jobs is ~1900
- Job Success rate is good, but small fraction of held job due to production jobs (held due to MINOS DB access)
- Overall CPU Efficiency is slightly low due to the production job and user's job accessing data on tape

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