

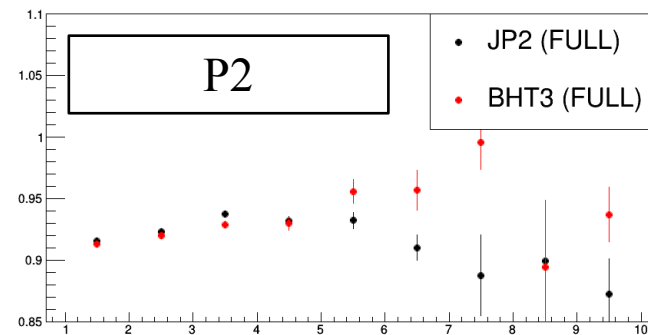
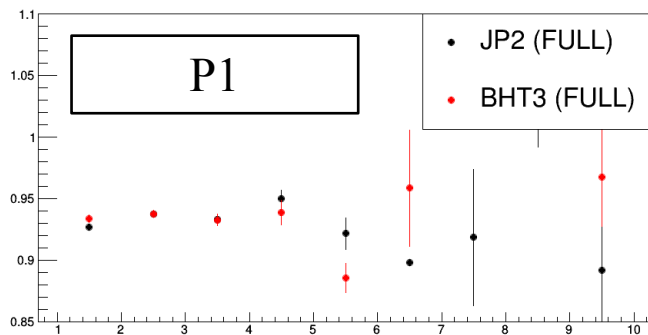
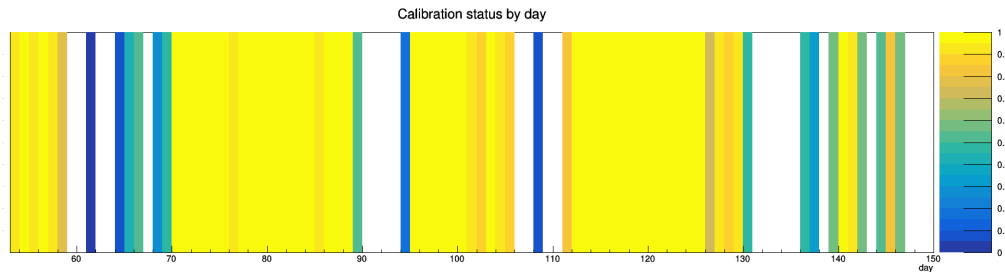
Run 17 BEMC Calibration

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Overview

- Where we left off
 - Systematic uncertainties has been looked into back in Aug 2019 (post tower-vetoing, https://drupal.star.bnl.gov/STAR/system/files/Nam_20190806.pdf).
 - ~70% statistics.
 - Good matching between BHT and JP



Statistics required

- Some of the systematic studies, such as crate uncertainties, were done with marginally-minimum statistics.
 - Calibration with the new production would require statistics of the same order of magnitude.
- The combined statistics over three-day period maybe an overkill for time-dependence study.
- Suggestion
 - Data collected every other two days (50%) or 2 out of 6 days (33%) to be produced early in order to study BEMC calibration and systematics.

