Updates on XY calibration

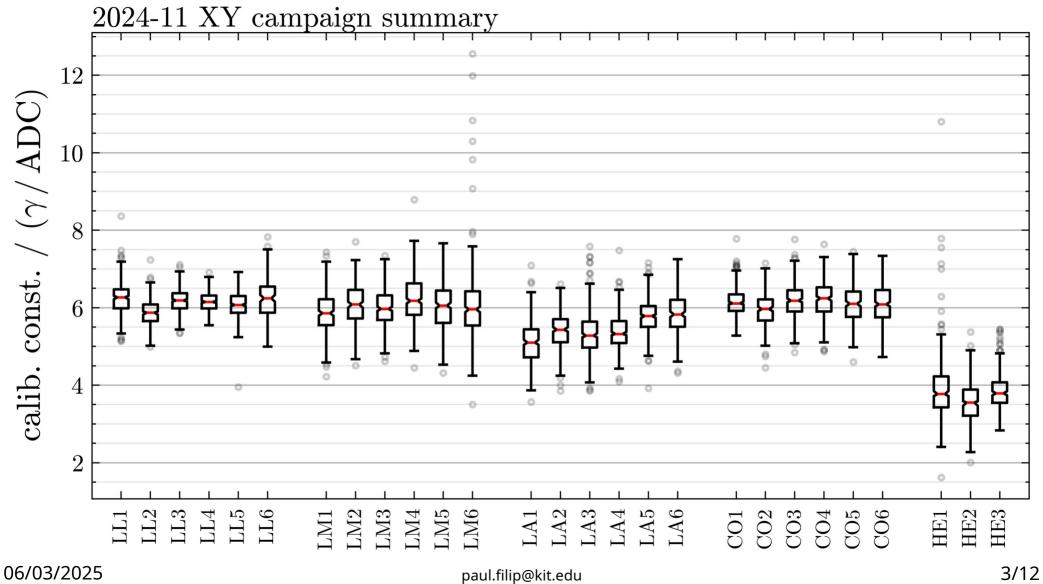
Kai Daumiller, Paul Filip, Pavel Horvath, Hermann Josef-Mathes, Gaetano Salina, Martin Vacula

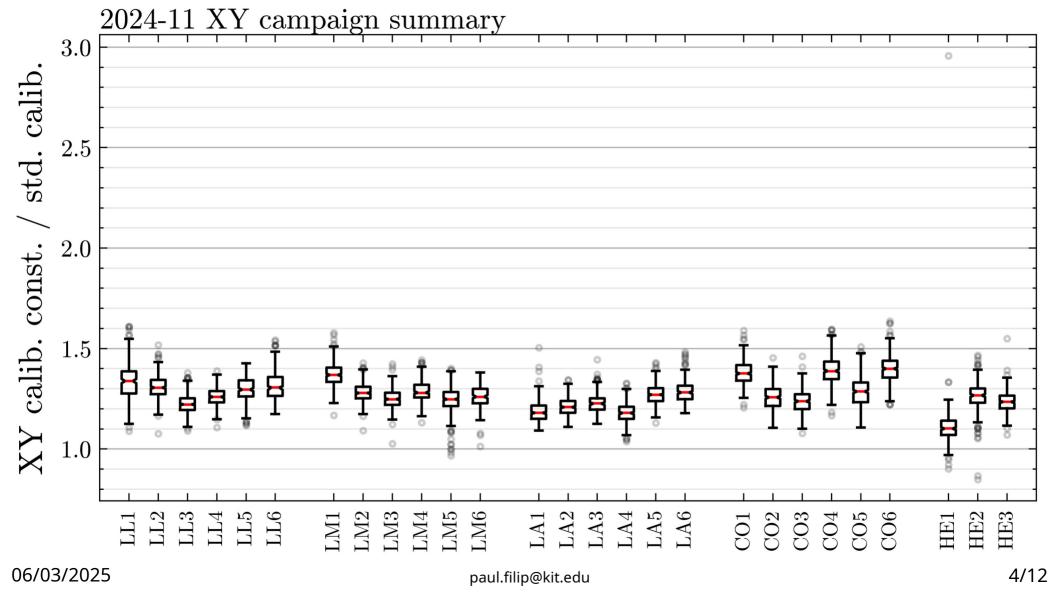
Outline

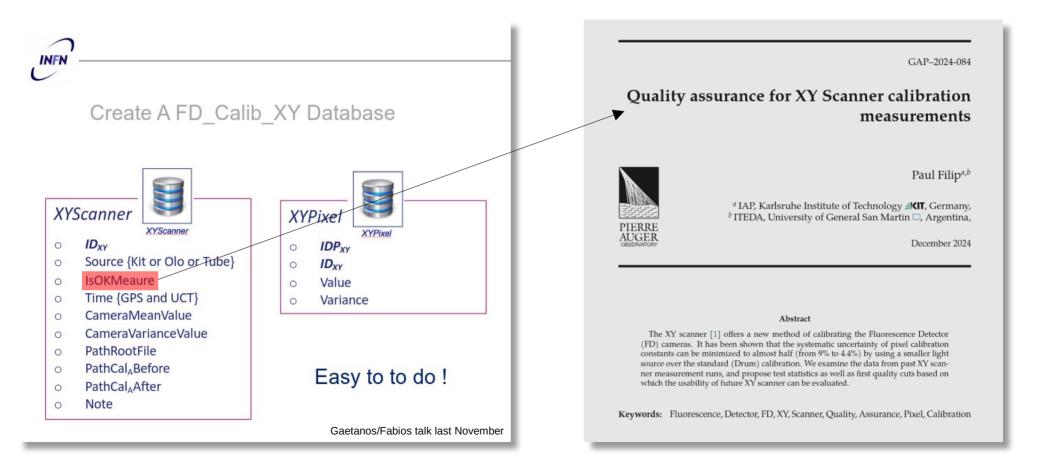
- 2024-11 XY campaign
- GAP 2024-084

Review of November 2024 campaign

- FD shift **2024/11/20 2024/12/07** (17 nights)
 - 4 people
 - 9 DAQ nights
 - 27 telescopes → first time for LL1 / LL2 / LL5 / LL6 !!
 - 31 measurement runs
- Thanks to Hermann-Josef, Kai, Pavel and Martin!
- Some hardware/software/operator errors → all recoverable

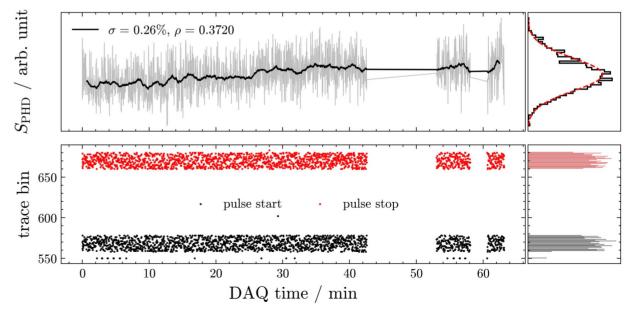




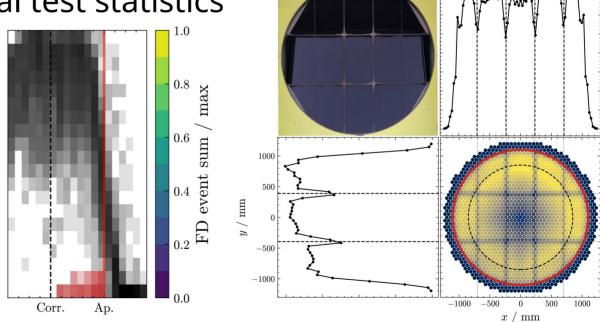


- Analyze all past XY runs, identify outliers, define test statistics
 - Cal A open shutter before/after, Olomouc light source, stepsize 6 cm
- Reject runs with abnormal test statistics

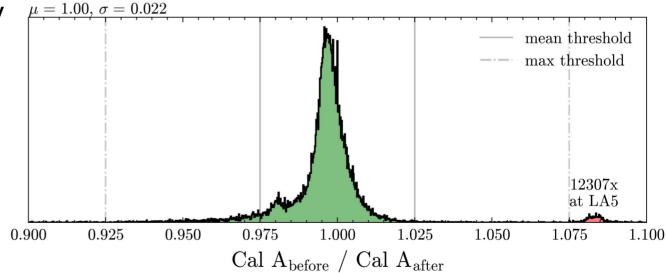
- Analyze all past XY runs, identify outliers, define test statistics
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- Reject runs with abnormal test statistics
 - Light source stability



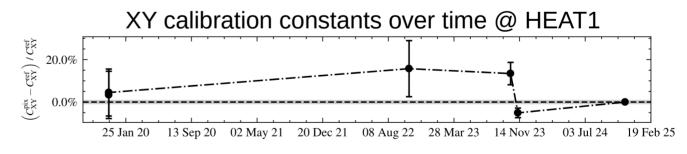
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 - Light source stability
 - Measurement setup



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 - Light source stability
 - Measurement setup
 - Camera stability
 - (Calibration stability)



Backup

