

# Impromptu meeting

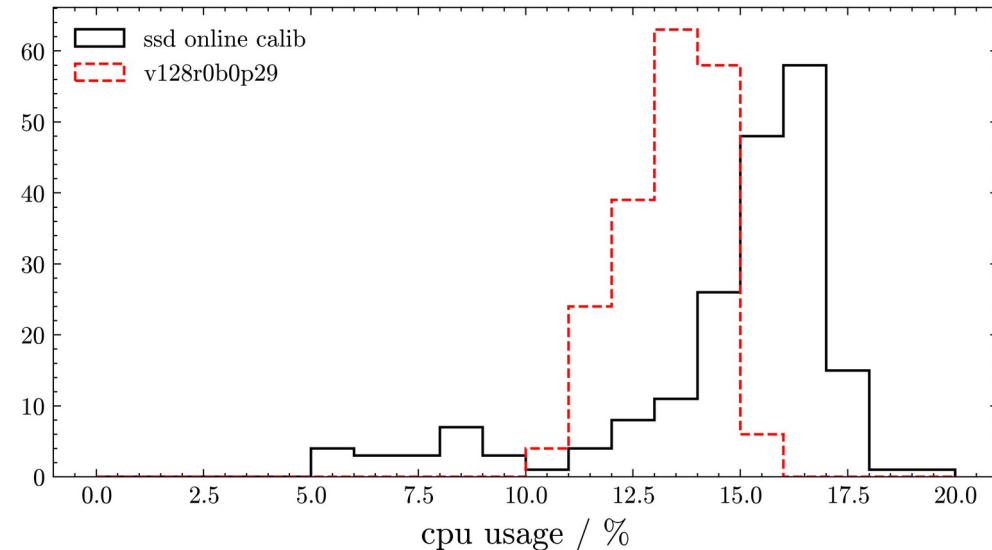
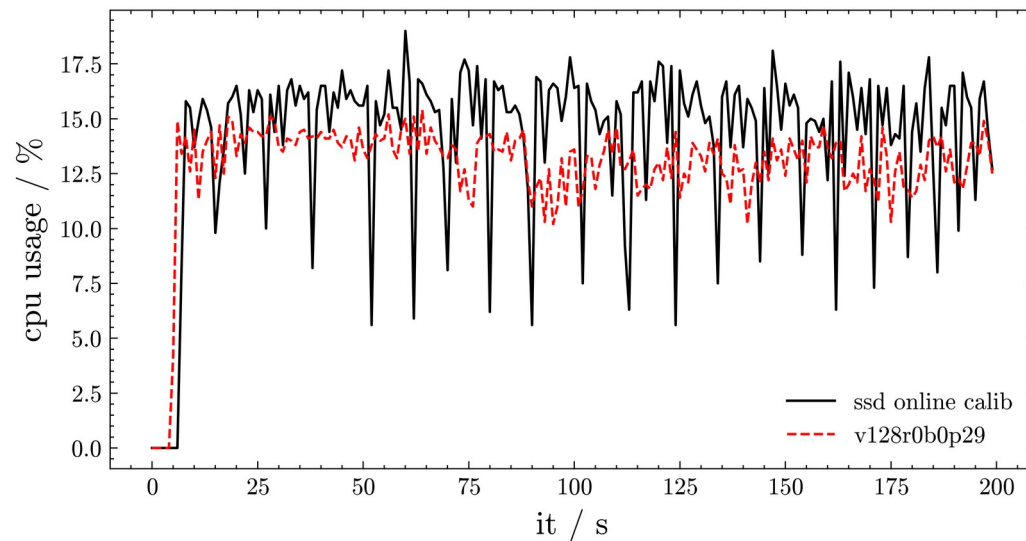
Name 1, Name 2, Name 3

## Outline

- Possible FPGA trigger/counter
- Status of ssd online calibration
- Need for other testing station
- Calib dependence on WCD trigger
- Summary and Outlook

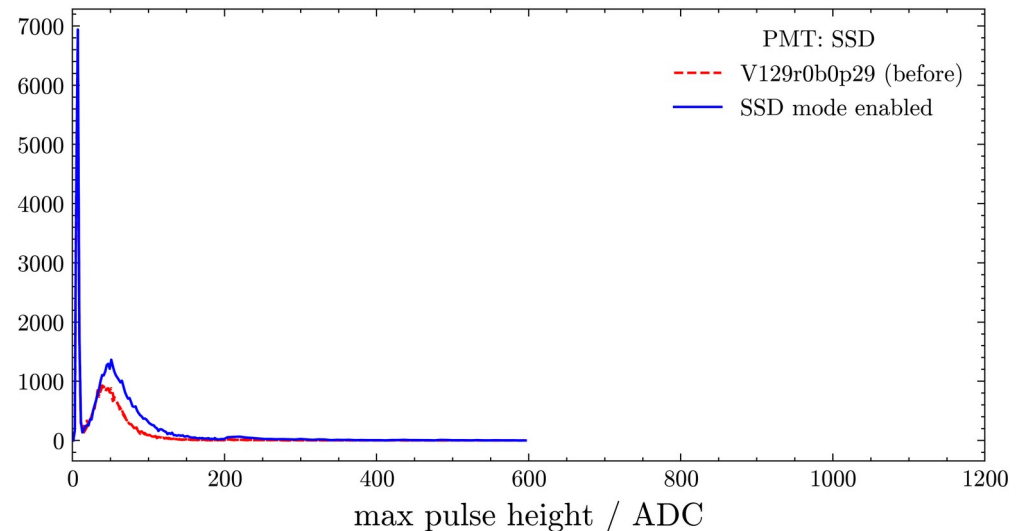
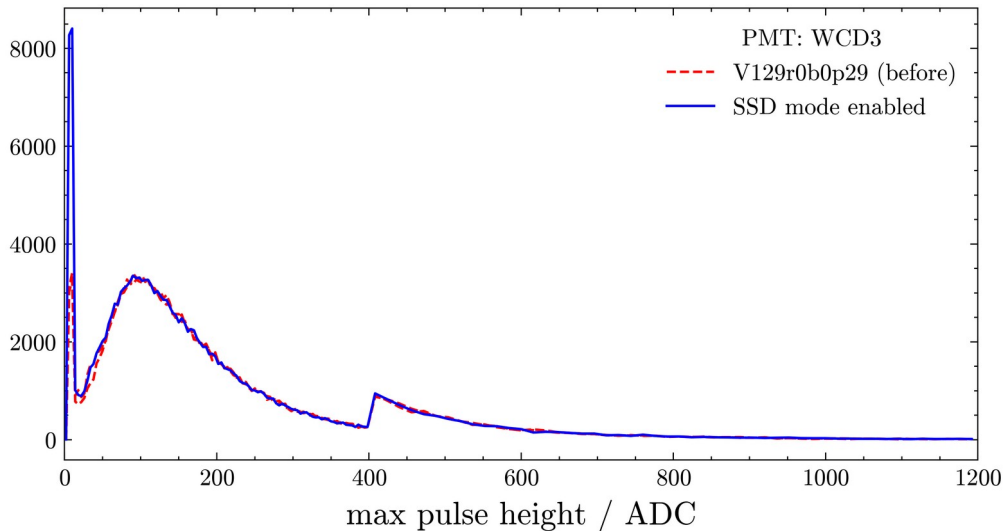
# Possible FPGA trigger/counter

- Move resource intensive tasks to FPGA
  - Have counter that gives # of T70 events on FPGA-level
  - 3-fold coinc. of 1.75 VEM + 1-fold coinc. of 2.5 VEM (WCD)
  - 1-fold coinc. of 2.64 MIP (SSD)



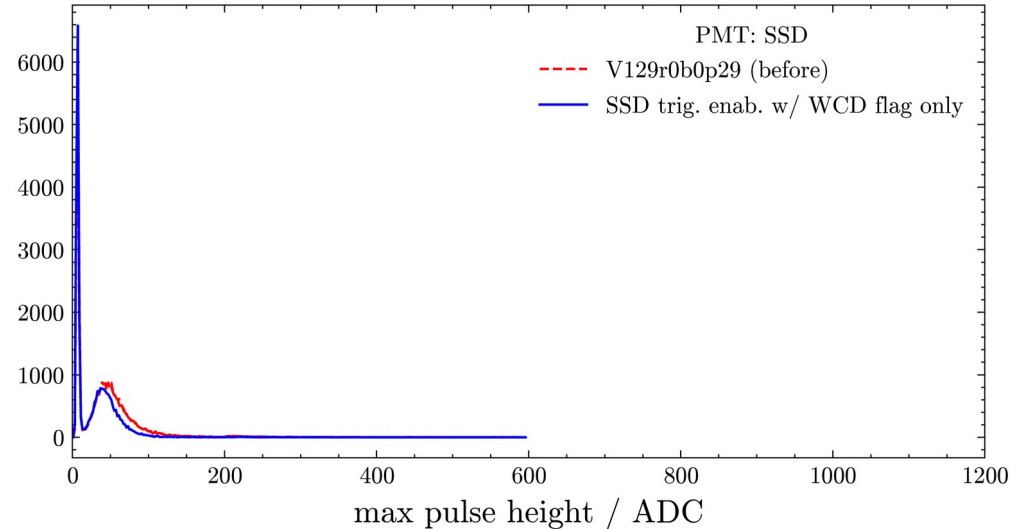
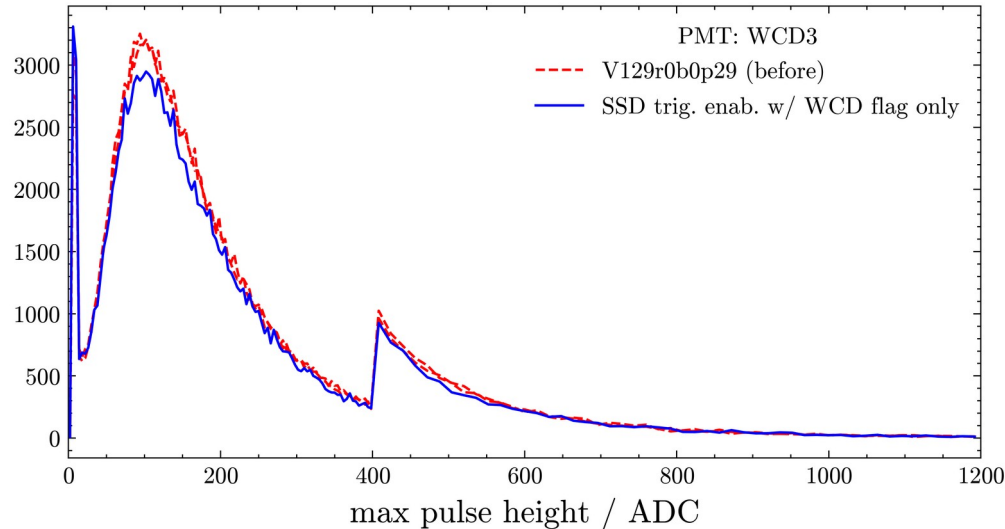
# Status of SSD online calibration

- Changes since SD/UMD calibration meeting
  - disentangle histo calculations from rate counting/threshold setting
  - Enable SSD trigger mode in FPGA muon buffer



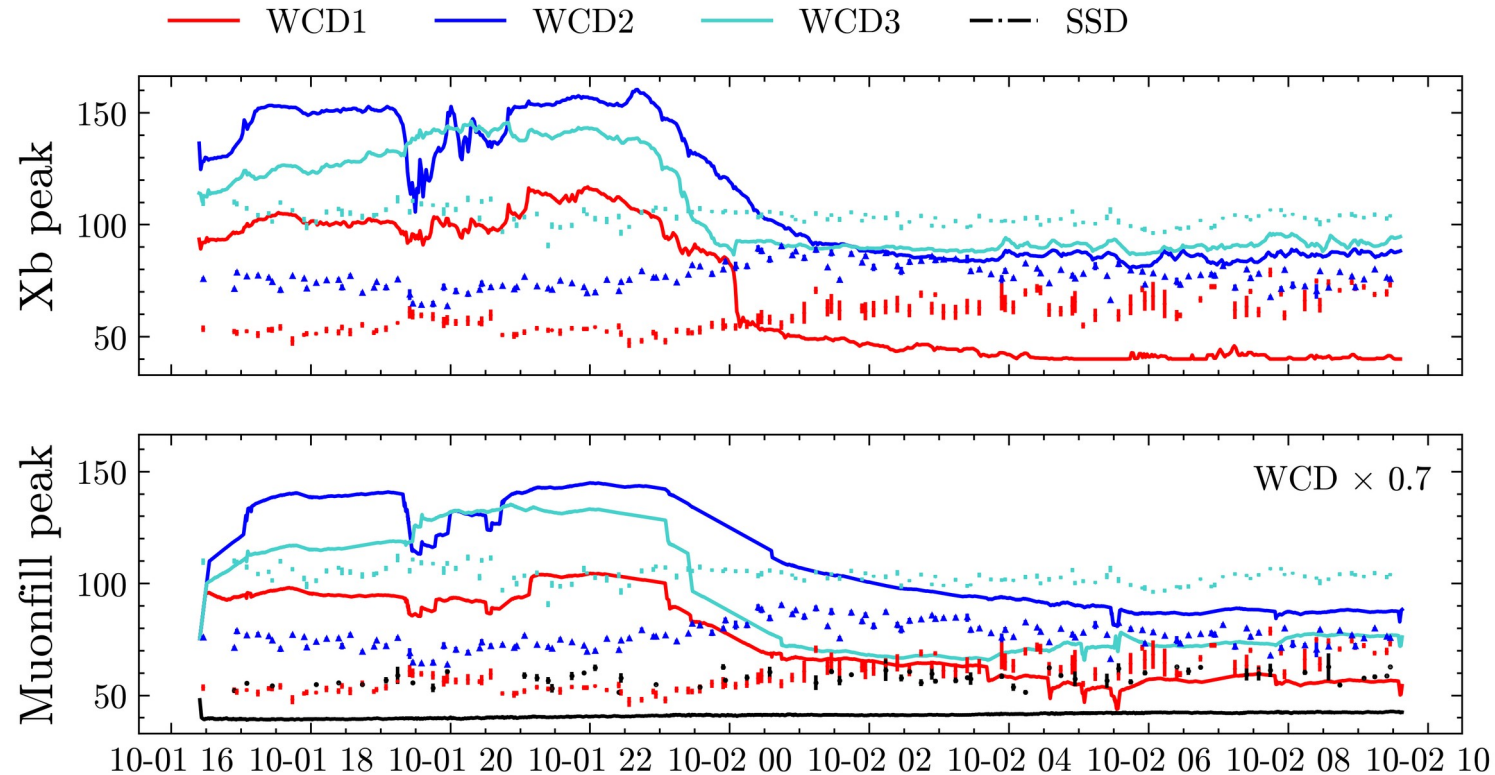
# Status of SSD online calibration

- Changes since SD/UMD calibration meeting
  - disentangle histo calculations from rate counting/threshold setting
  - Enable SSD trigger mode in FPGA muon buffer
  - Add events to histogram based on PMT trigger flags

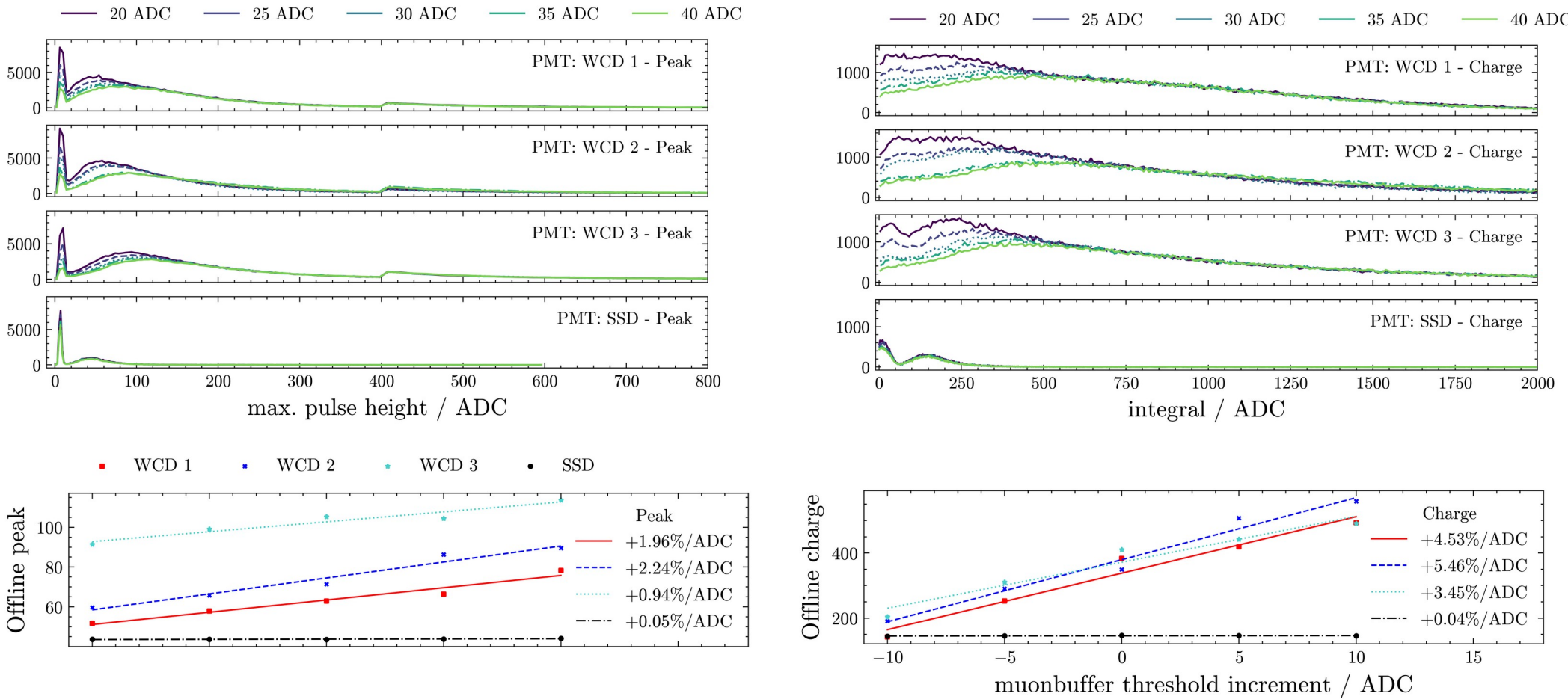


# Need for other testing station

- Hard to compare Xb, Muonfill: none reproduce Offline peak!

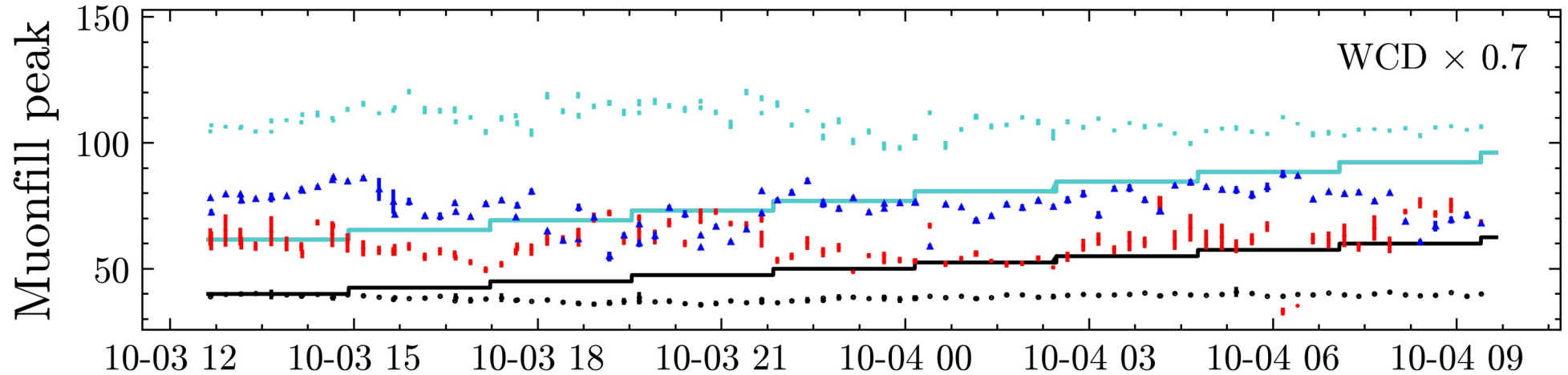


# WCD calib dependence on trigger threshold



# Upcoming

- Characterise fluctuations in T70 rates
  - Seem larger than Poissonian in at least 1 PMT, why?
  - Unique to Didi?



# Backup