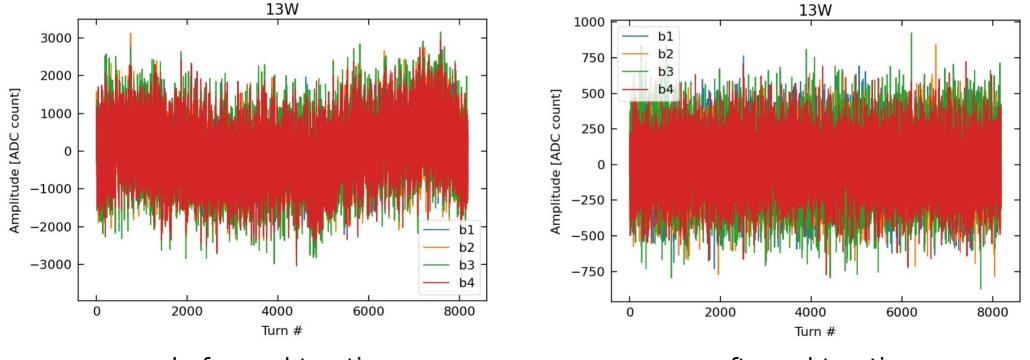
# CBPM sampling clock jitter

#### Antoine

CESR instrumentation meeting – Nov 22<sup>th</sup>, 2024

### recap' Let's get rid of the overall correlation

Subtract from each channel time series the averaged time series of the 4 buttons

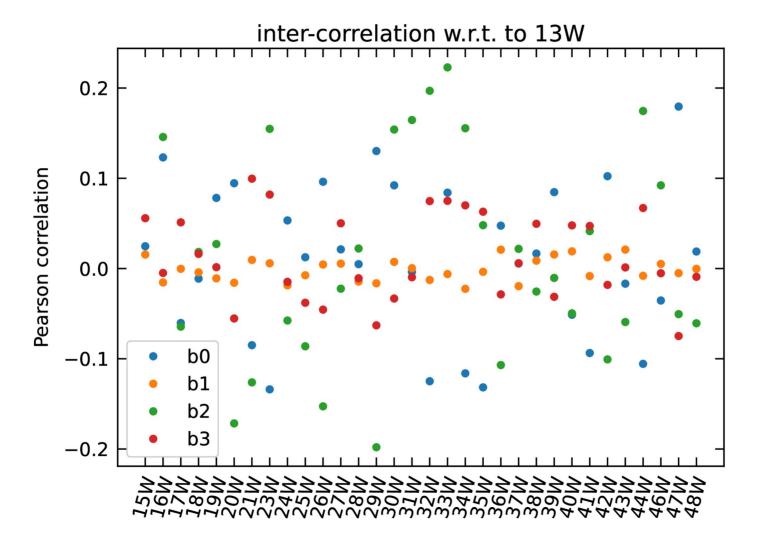


before subtraction

after subtraction

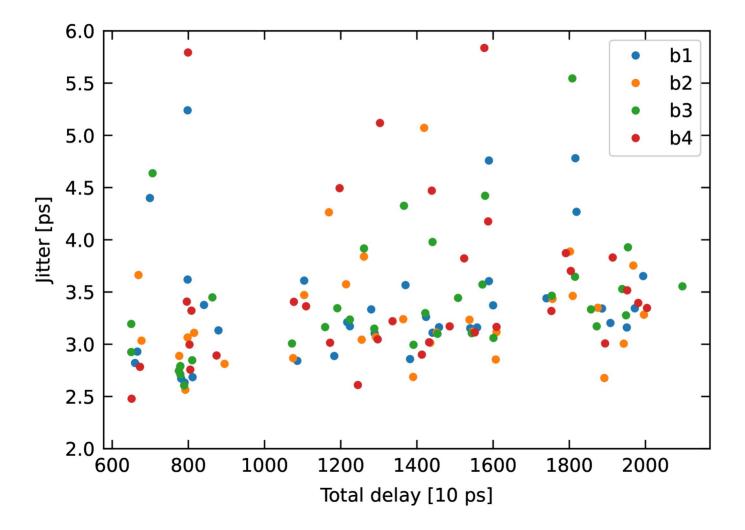
#### **Inter-module Pearson correlation**

recap'



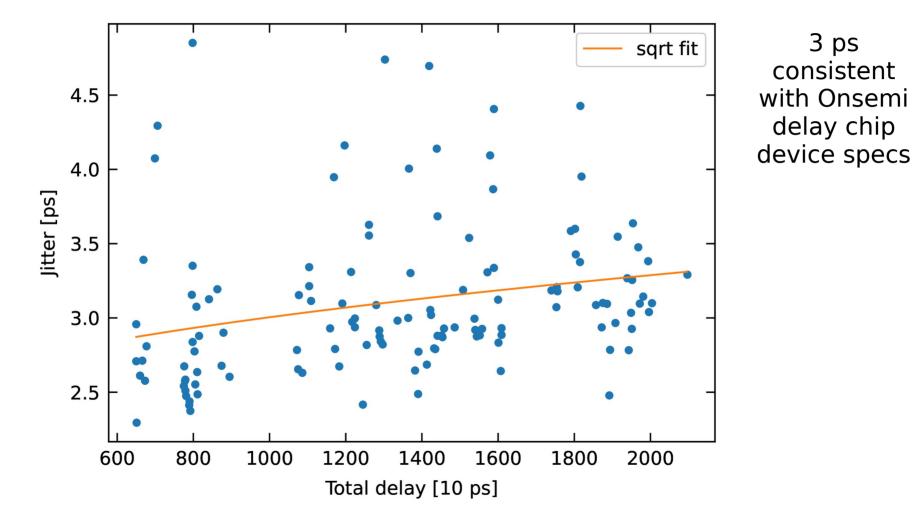


#### Jitter v. total delay

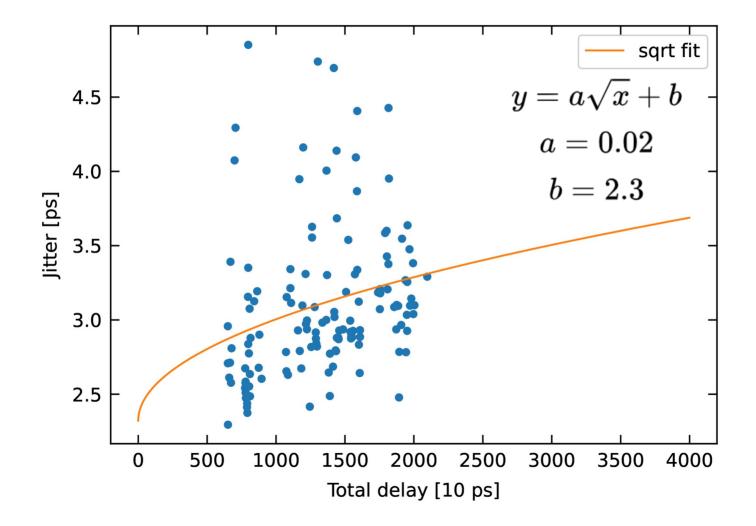


#### Square root fit to ±1 SD data

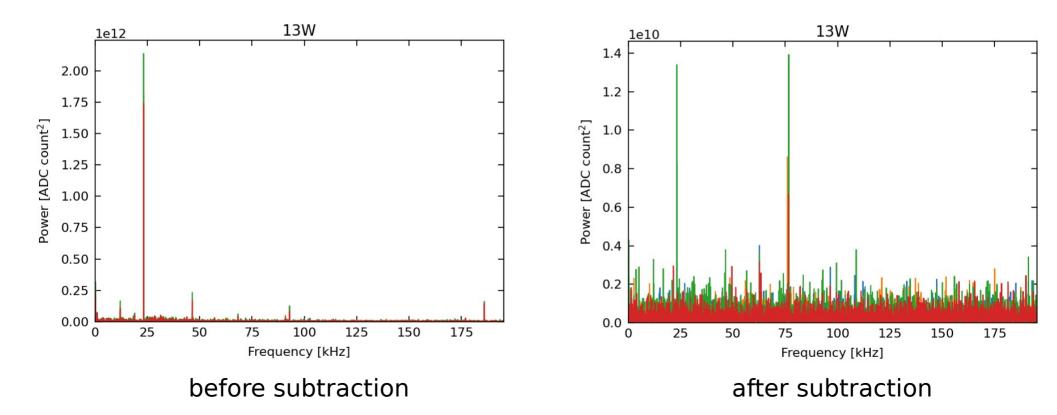
recap'

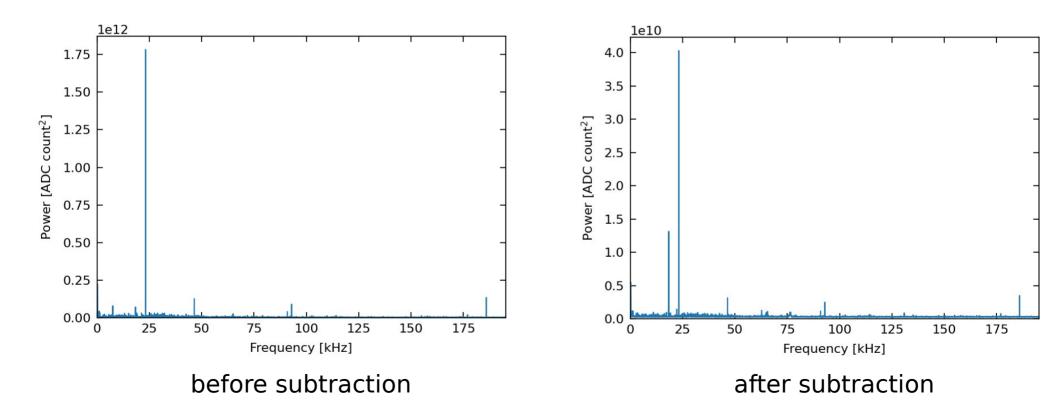


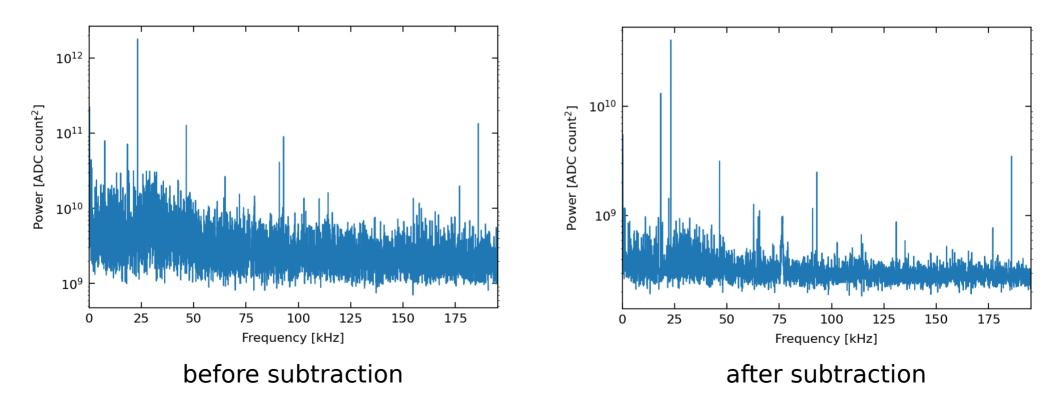
#### Square root fit to ±1 SD data

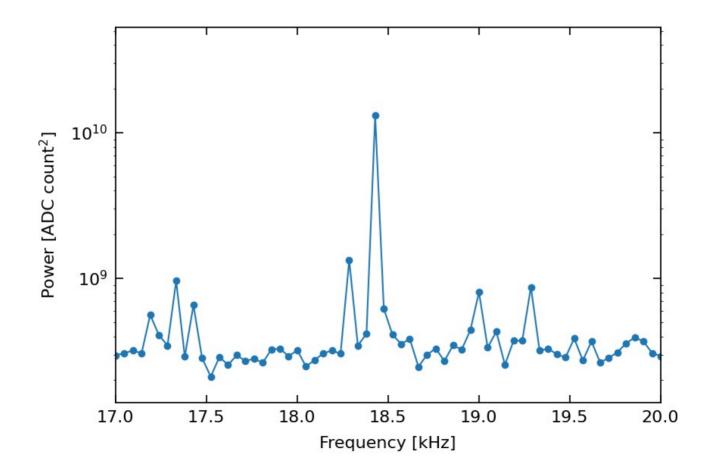


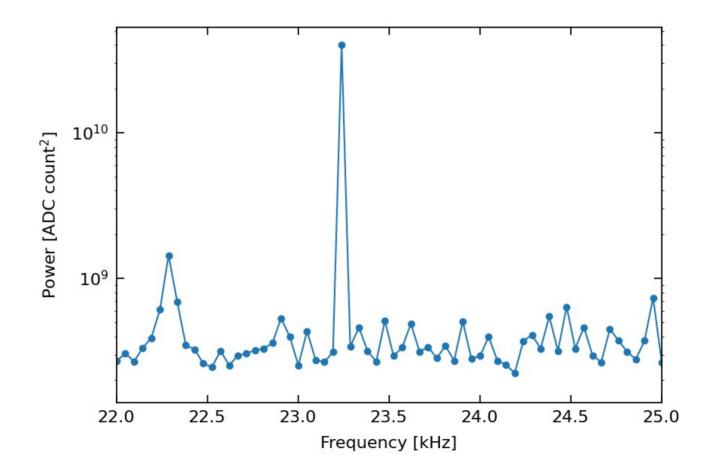
Per channel, w/ and w/o 4-channel average subtraction

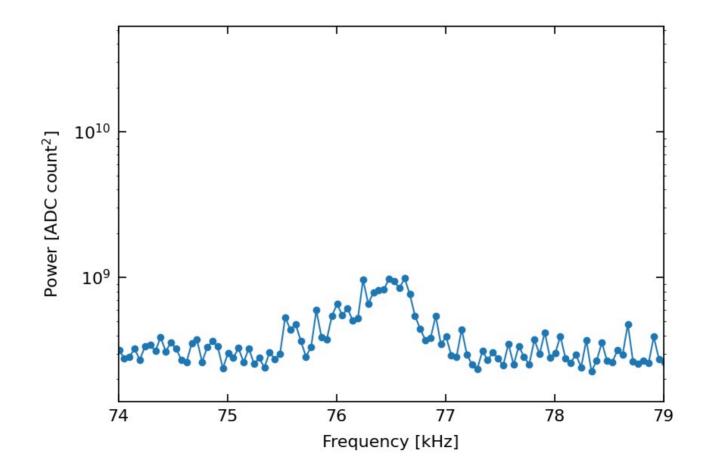












## Extras