Pressure measurements

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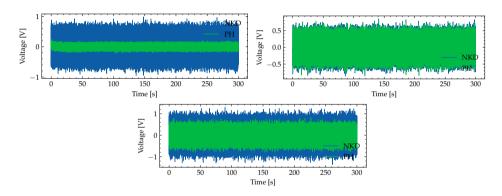
October 2, 2025

Thanks to DARPA for funding this work.

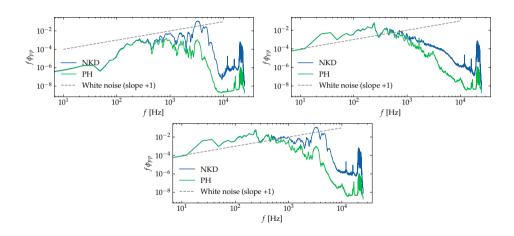
POA

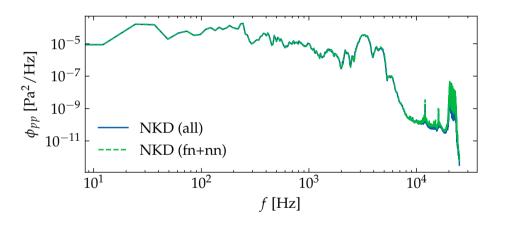
- 1. Focus on 50psi ph calibration signals
- 2. Show the raw signals
 - ► Show loglog for 3 cases.
 - No noise, w. background noise, white noise?
- 3. Show the spectra
- 4. Show with HP filtering
- 5. Apply transfer function and show the TF
- 6. Determine whether a LP filter can be applied at f = 2kHz
 - $T^+ \equiv Tu_{\tau}^2/\nu$
 - ightharpoonup at 50psi $Re_{ au} pprox 5000~u_{ au} pprox 0.51,~
 u pprox 1.43$
 - $T^{+} = 20 \rightarrow f = 948Hz$

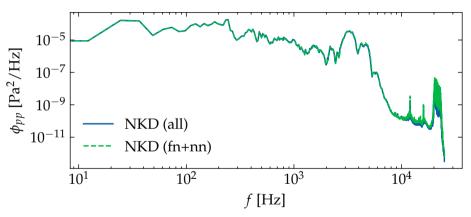
7.



Top left: white noise, **top right:** only facility noise, **bottom:** white noise + facility noise

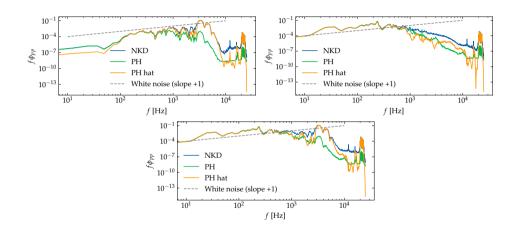


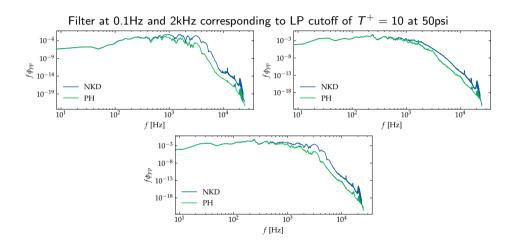




Yes, it does! Does this mean we can subtract the facility noise from all of the calibration cases?

TF reconstructed spectra





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Raw Spectra with HP filter: no difference in the calibration signal

