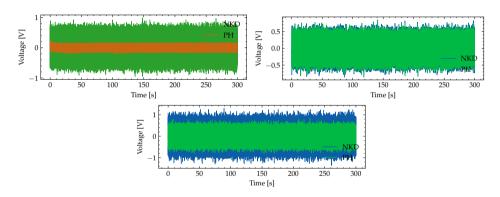
Pressure checks

JMO Massey † , F Cabrera-Booman, T Jaroslawski, JC Klewicki, BJ McKeon

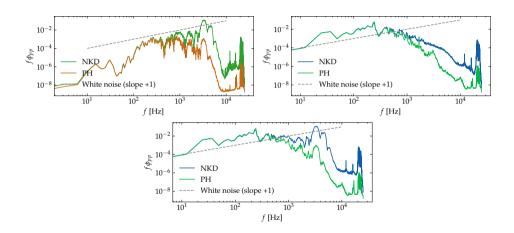
Center for Turbulence Research Stanford University

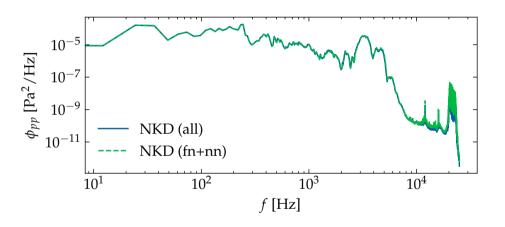
October 3, 2025

Thanks to DARPA for funding this work.

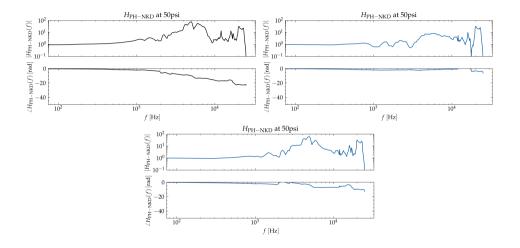


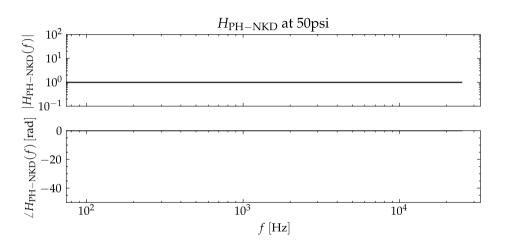
Top left: white noise, **top right:** only facility noise, **bottom:** white noise + facility noise



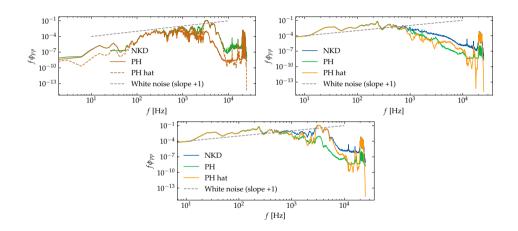


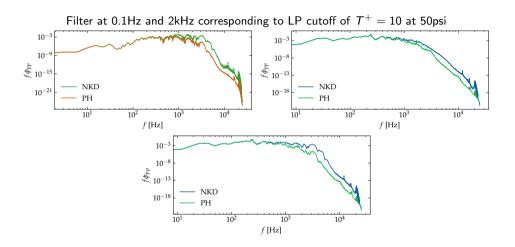
White noise is needed to highlight required TF



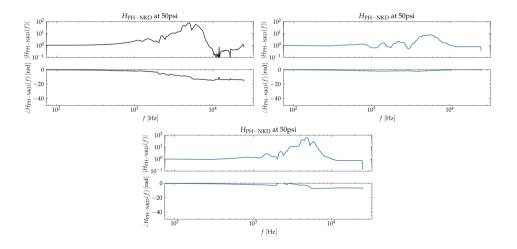


TF reconstructed spectra

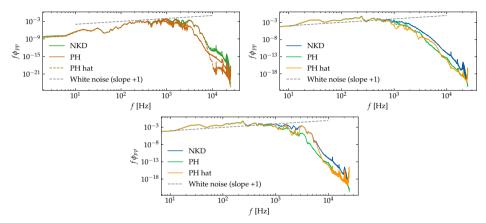




Do the TFs look reasonably similar after filtering?



TF reconstructed spectra with HP & LP filter



There's no benefit of filtering the signals before calculating the TF

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