Detector Characterization

- So far we have been collaborating on how to apply the ANN-based multi-channel analysis to KAGRA detector characterization. The ANN pipeline is now included in iDQ, LSC soft package. Next several months, we will integrate iDQ into HasKAL, KAGRA DetChar library. We'd like to apply it to GIF sensor data.

- At the same time, KGWG will lead development of a novel correlation method based on the mutual information(see J. Oh's talk). This should be a new multi-channel diagnostics tool for KAGRA.

- Developing and studying a possible new Trigger-Generation method based on Hilbert-Huang Transform