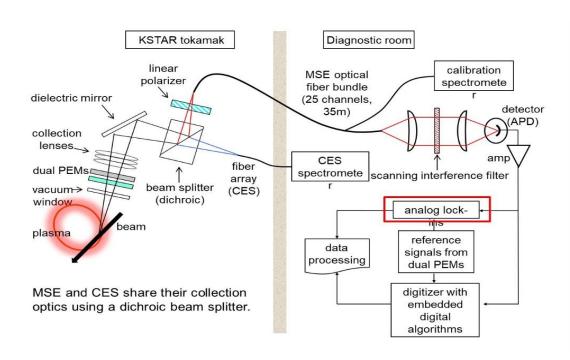
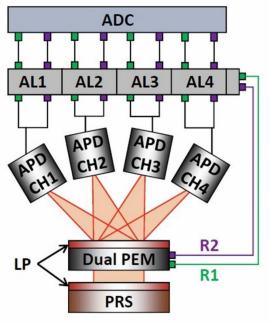
Multi-channel analog lock-in system for real time motional stark effect measurements

Hanmin Wi (hanmin@nfri.re.kr) , Jinseok Ko National Fusion Research Institute, Daejeon, Korea





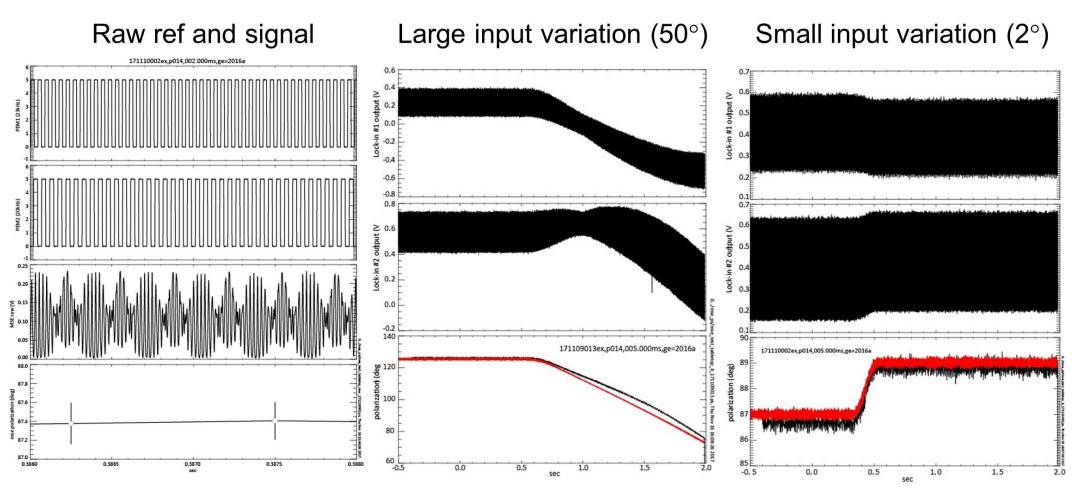


Experimental setup with linear polarizer mounted on the rotation stage with 4-channel APD modules

KSTAR MSE Analog lock-in system diagram

Experimental setup Multi-channel analog lock-in amplifier

Single-channel analog lock-in Test



Comparison of the analog lock-in (black) with numerical FFT (red) results

Multi-channel analog lock-in Test

