To Do

- **Define list of measurements (scans) to make; e.g.**
    - PDS ratios as a function of forward power
    - QL as a function of forward power
    - Field flatness / voltage as a function of QL (per cavity)
    - Piezo LFD compensation: sensitivity to adjustment parameters.
    - Detuning as a function of time (RF pulse length)
        - using the decay at Pfor=0
        - for different gradients (take 3)
    - Cross-talk within cavity pair: repeat detuning scans (with mechanical tuner!)
    - Vector sum tilt versus flat-top forward power (open loop)
    - gradient (flat-top) jitter (rms) vs detuning (a la Shilun)
    - cavity gradients as a function of beam current
        - feedback off, LFF off, no change to BLC.
    - impact of beam current on flat-gradient solution.
        - once flat gradient solution obtain, scan current ± to see effect on cavity tilts. (Keeping vector sum constant – best way?)
    - Repeat above for gradient (adjust energy of 67
- **Analysis scripts to support above**