Development of
DAQ Software
for CULTASK experiment

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CULTASK Experiment

- Microwave cavity is connected to two paths; to network analyzer and spectrum analyzer
  - Network analyzer is used for measuring the cavity performance
  - Spectrum analyzer takes the real data
  - Two paths are switched with mechanical RF switch
  - Tuning rod is rotated by Piezo actuator

- Dilution refrigerator cools down the cavity to ~O(10) mK
- 8T magnet is installed