

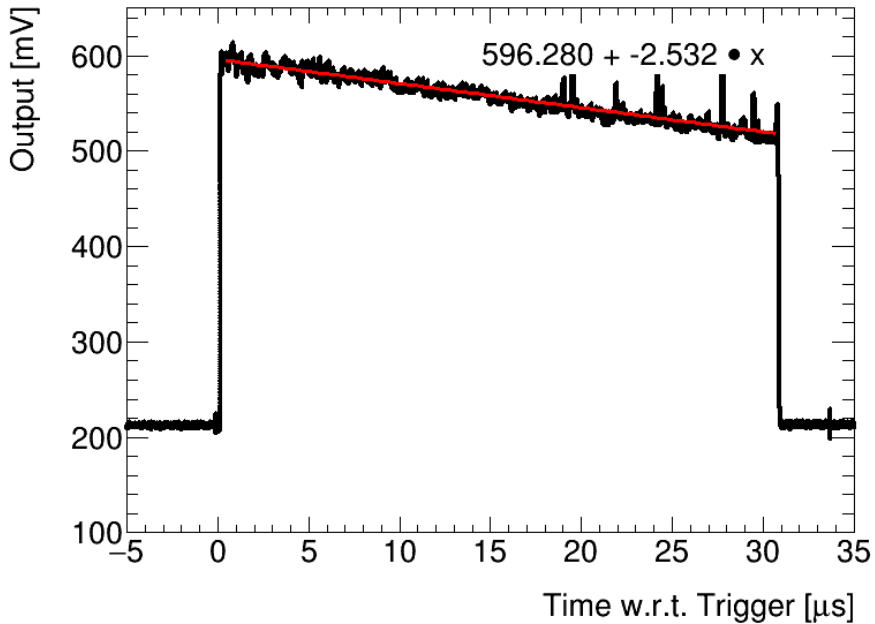
# Status of SCA Testing

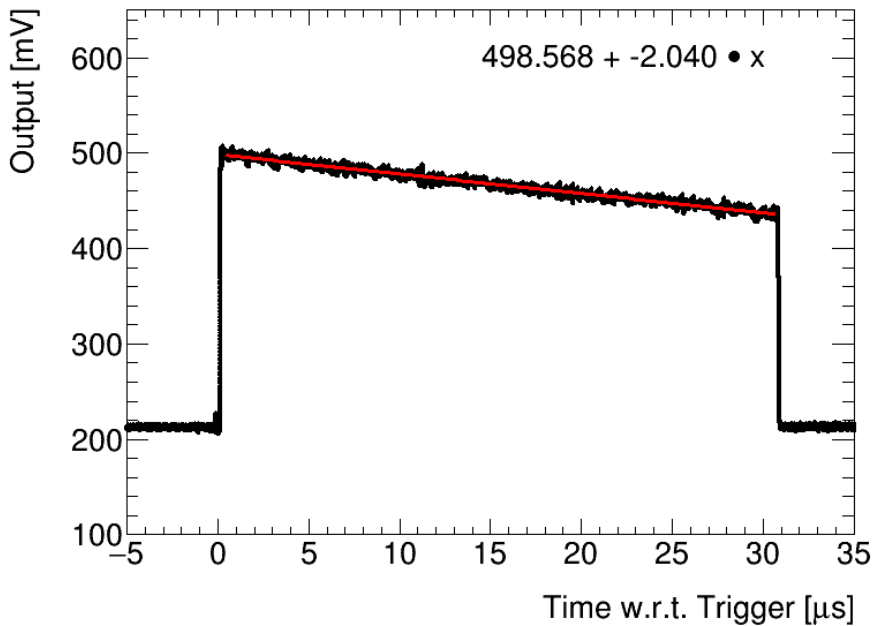
Hulin Wang

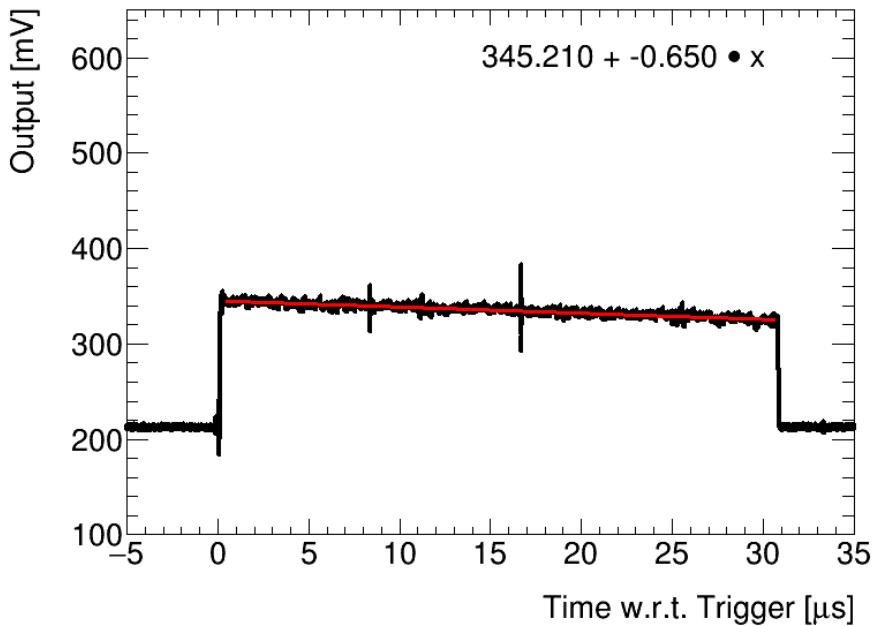
CCNU

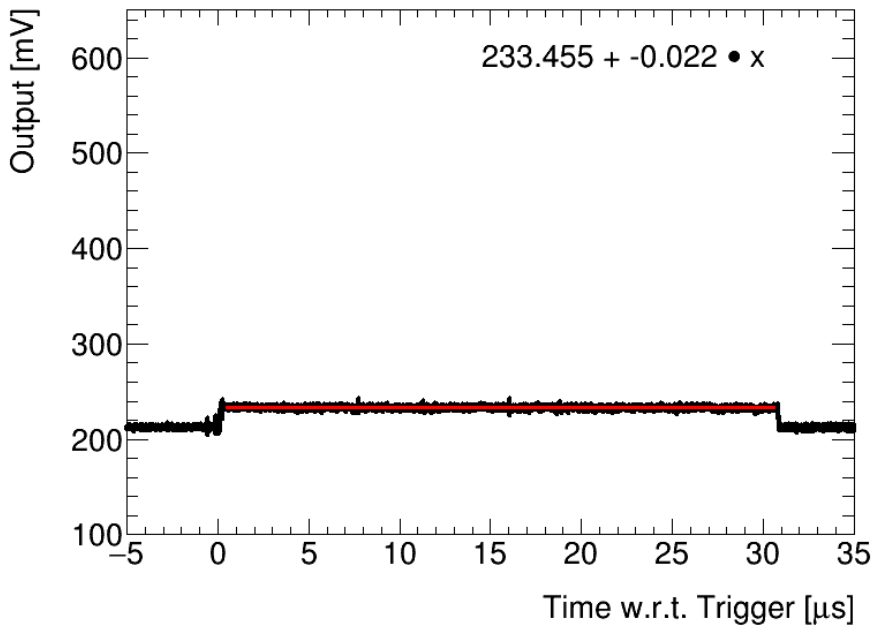
July 22, 2020

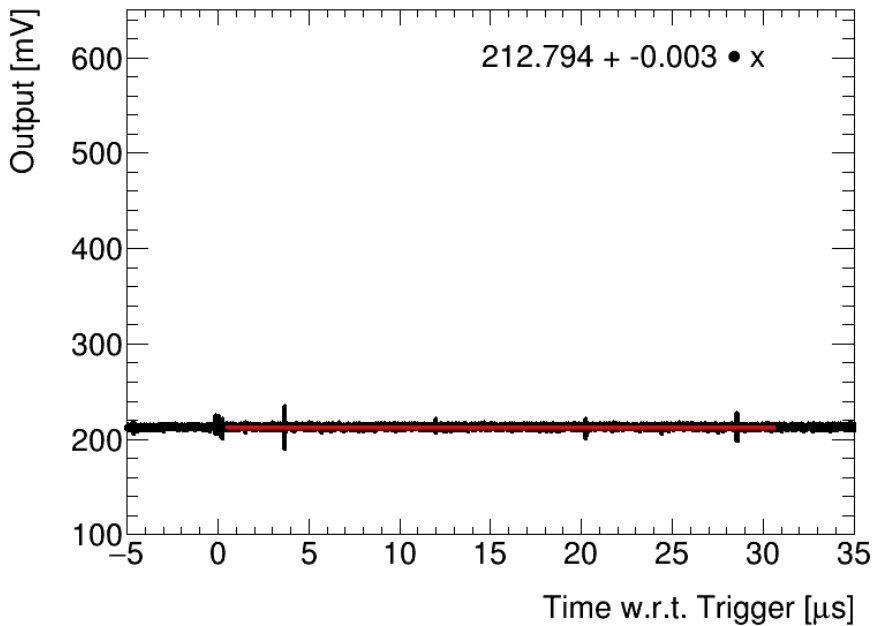
- Looked into the SCA data taken with DC input and oscilloscope last week.
- Purpose: disentangle the possible effects characterize the SCA output give input
- In the oscilloscope
  - signal start to rise  $\sim 0.125\mu s$  after trigger point, rise time  $\sim O(0.01)\mu s$
  - start to fall  $\sim 30.855\mu s$
  - readout time per cell is  $0.12004\mu s$
  - in the analysis, fitting range  $0.3$  to  $30.85 \mu s$

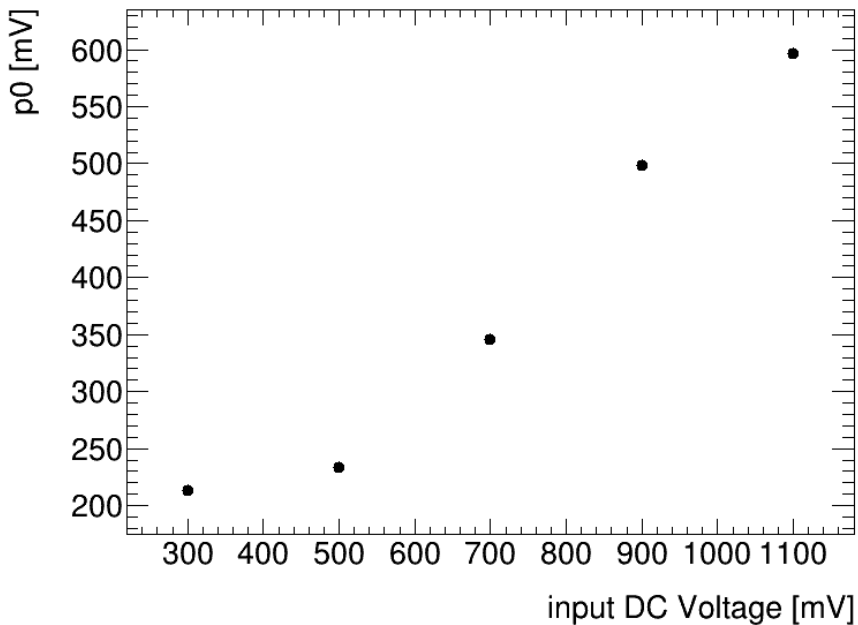




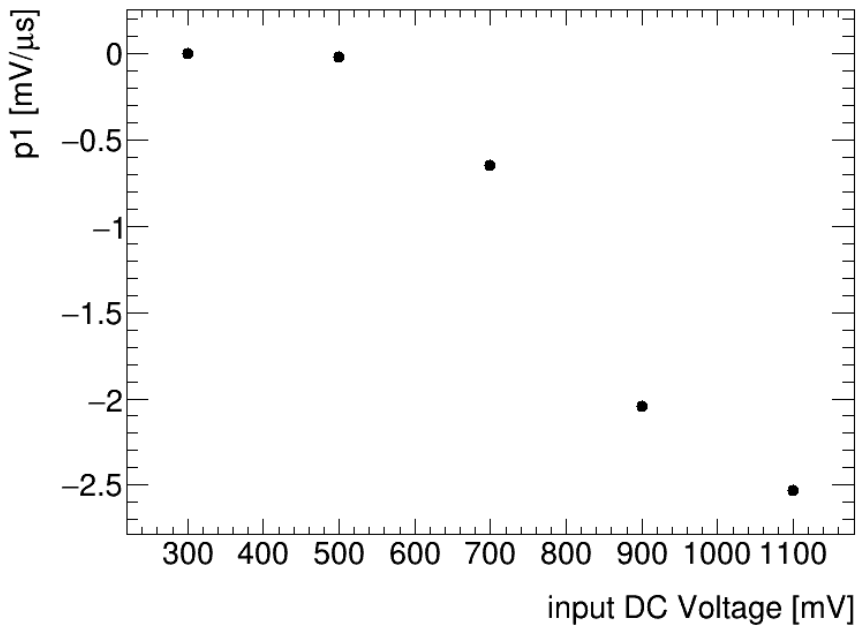


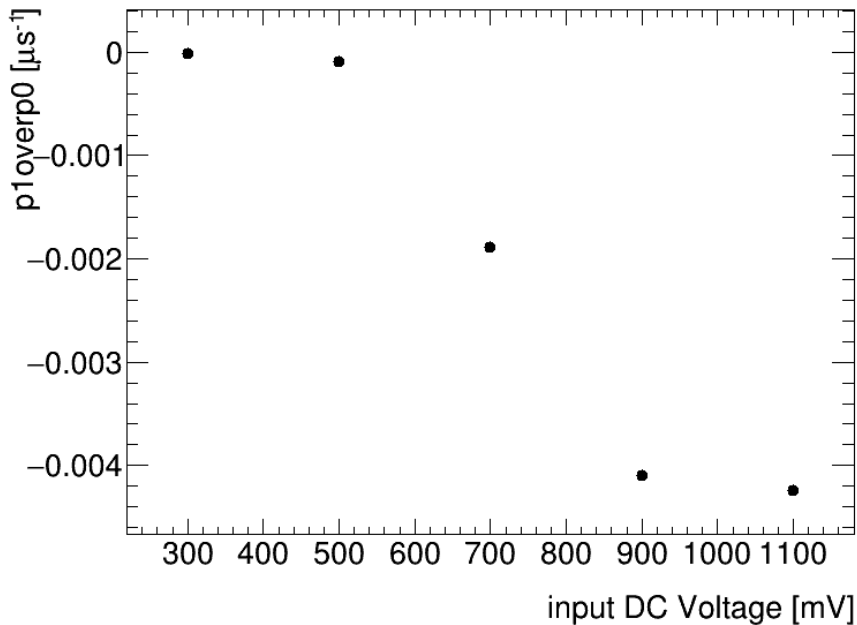


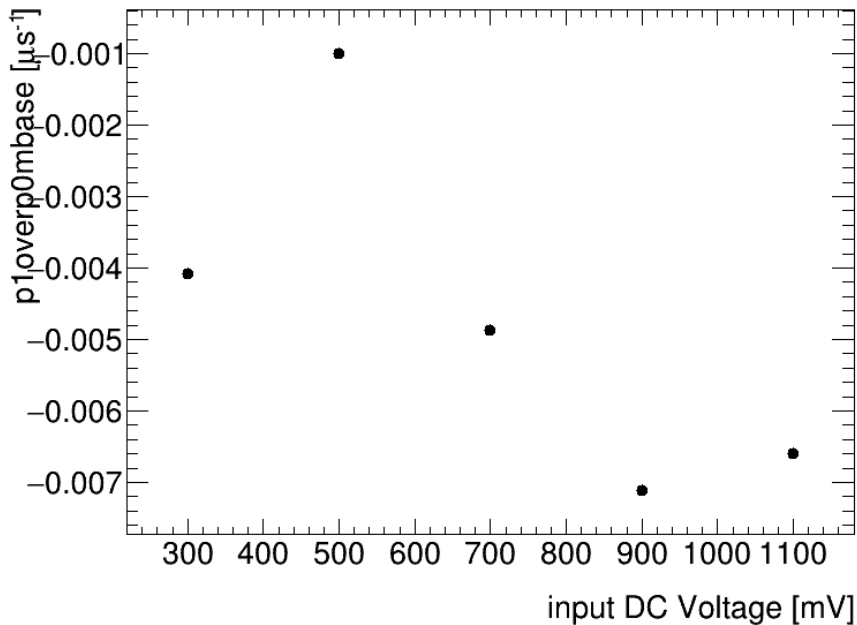


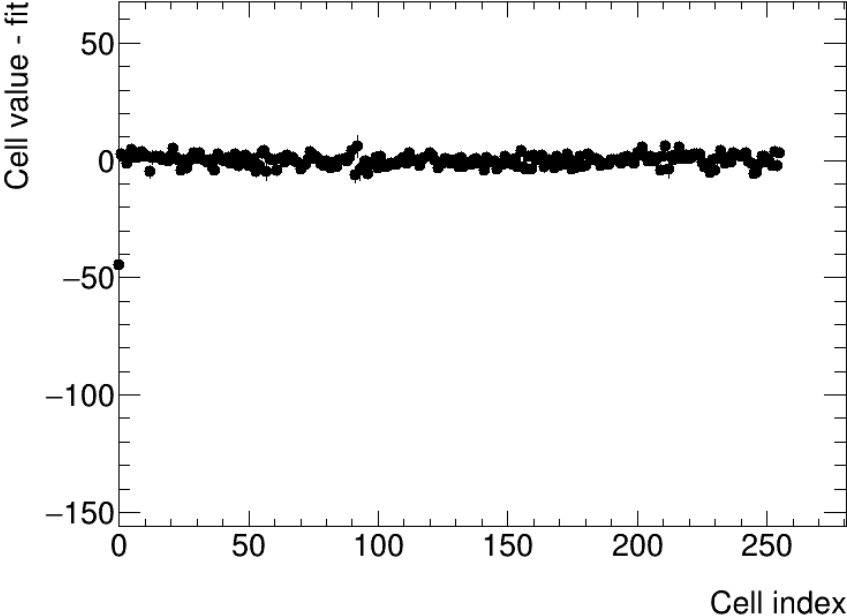












- Understand the results from the chip design and function point of view
- Set up the PC-controlled data-taking system