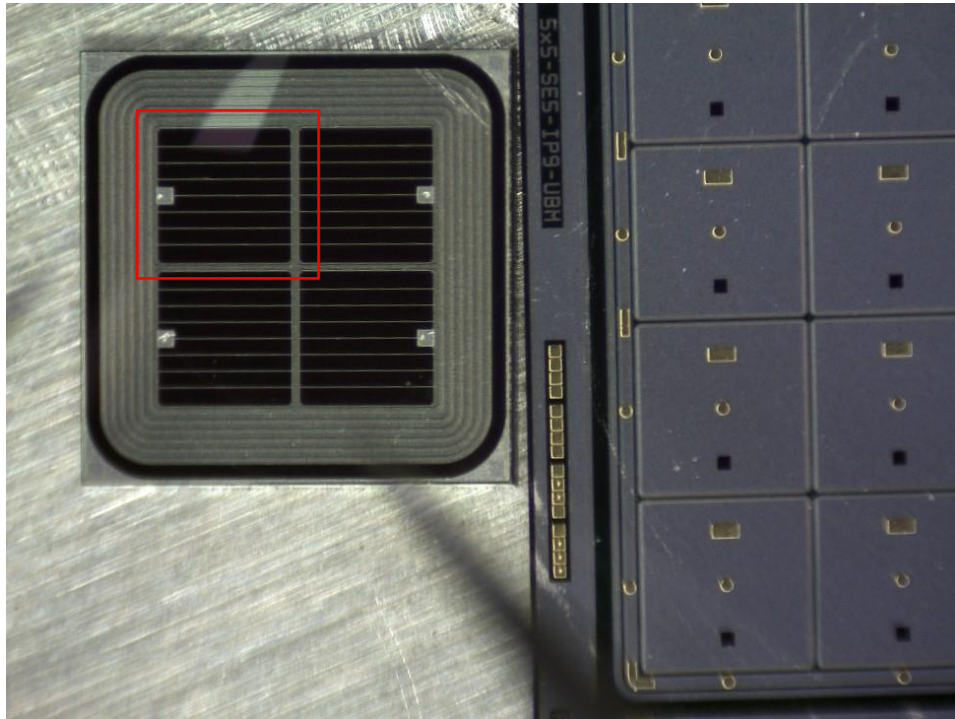


Sensor Test

Baohua Qi

2019.4.4

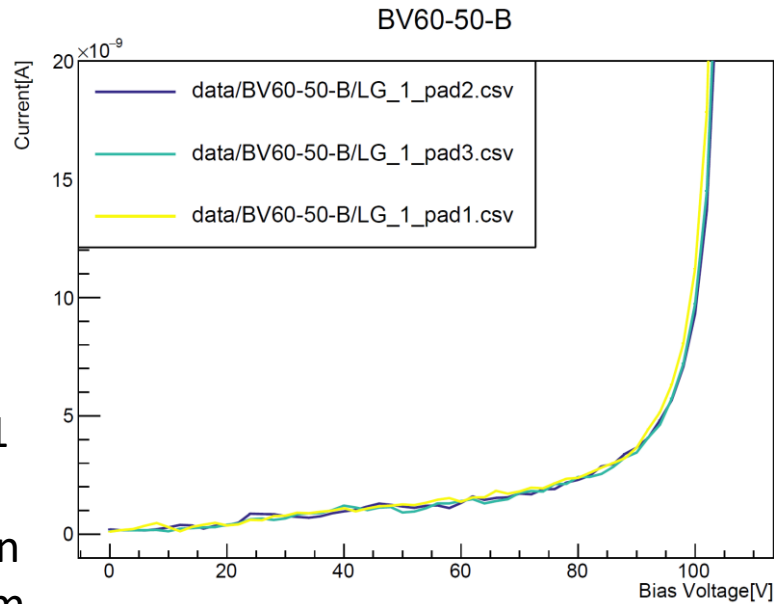
Sensor from BNU



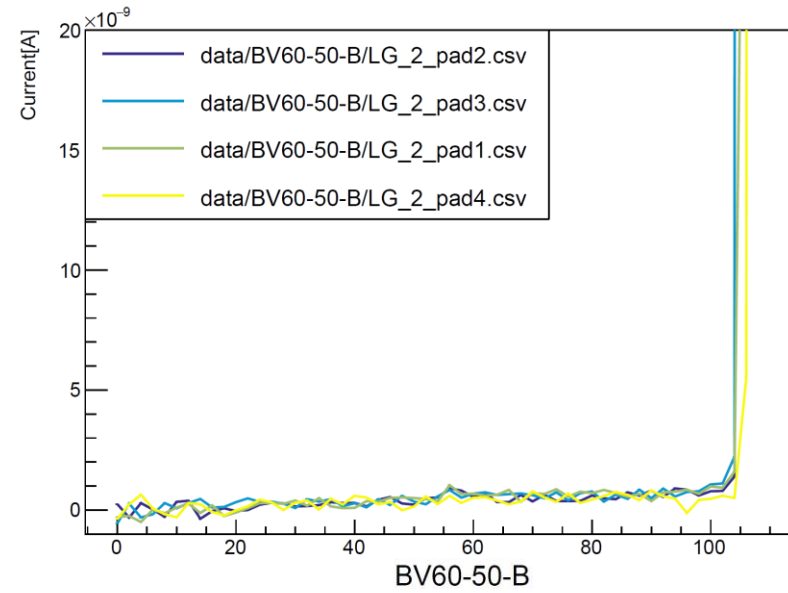
The size of the pad is about 1mm x 1mm
(the transverse side may shorter)

I-V Test: BV60-50-B

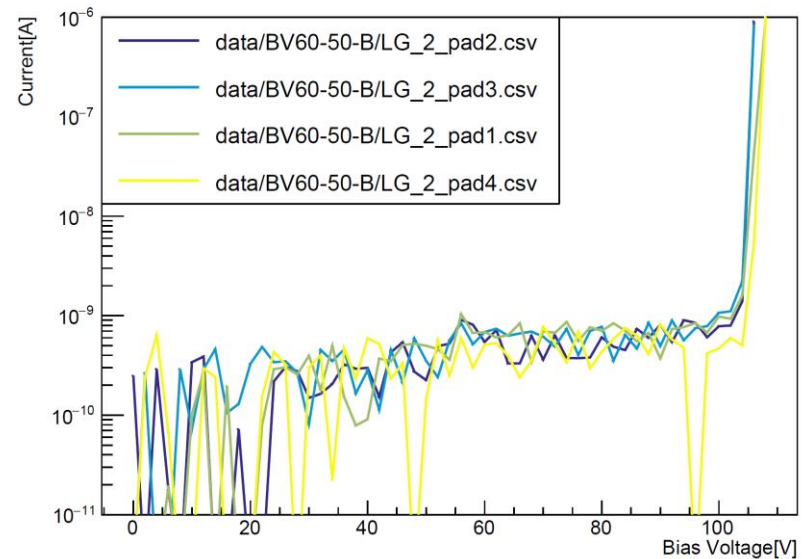
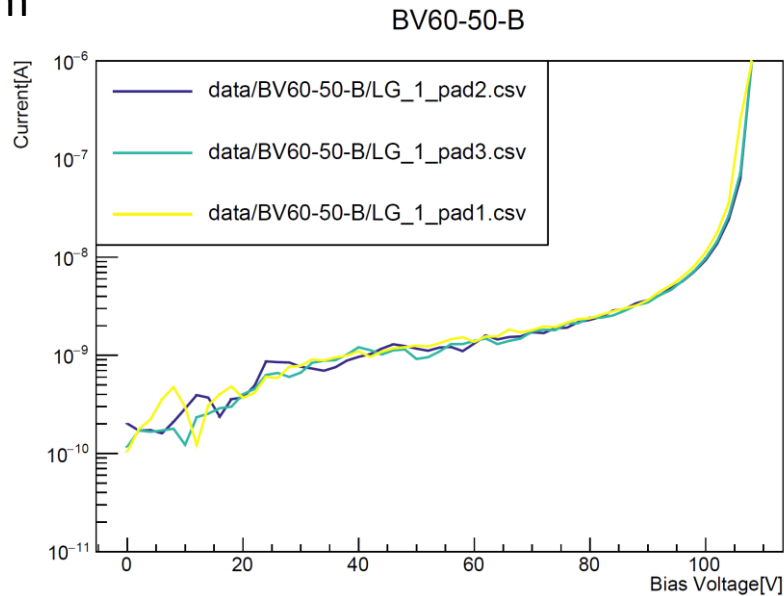
LG_1
Old
Clean
Room



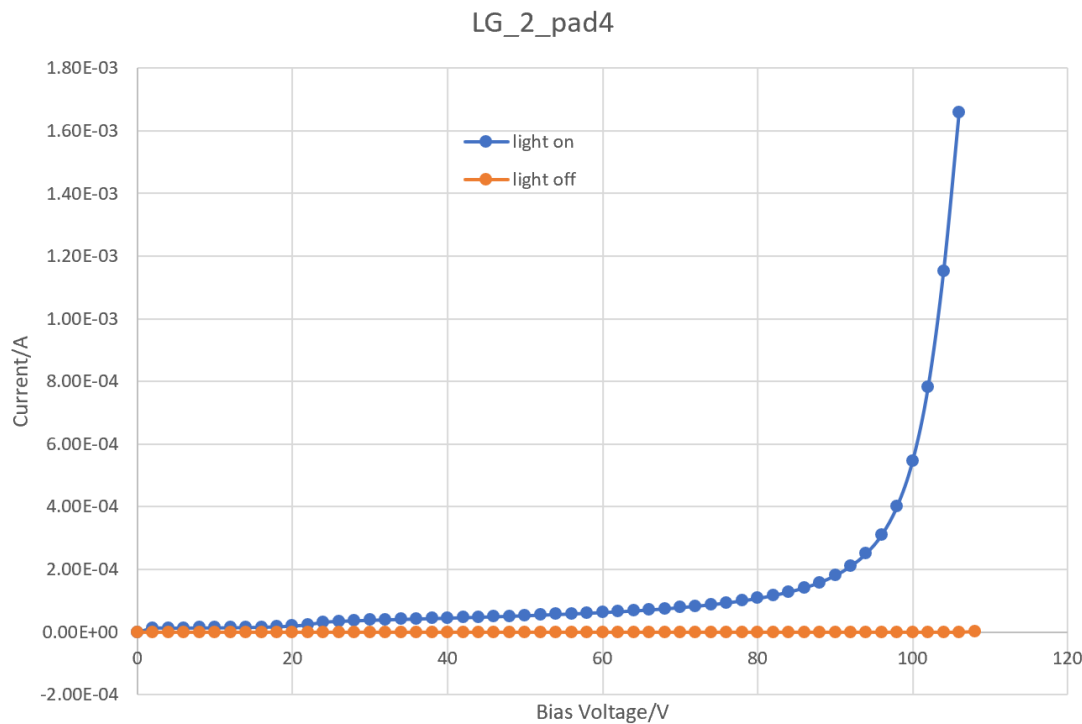
BV60-50-B



LG_2
New
Clean
Room



I-V Test: BV60-50-B

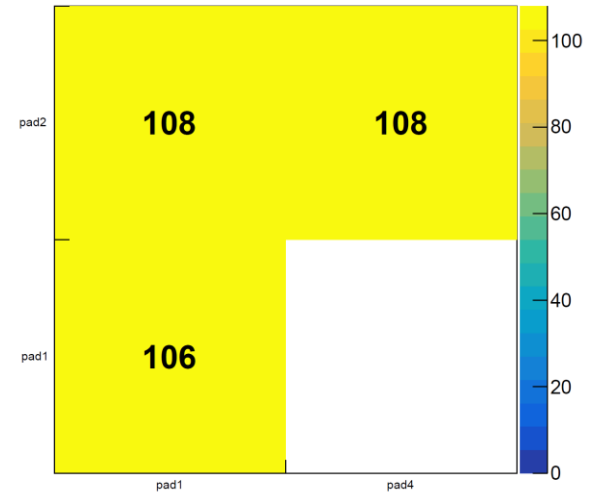


The current at 60V / The current at 2V = 4.89
(Light ON)

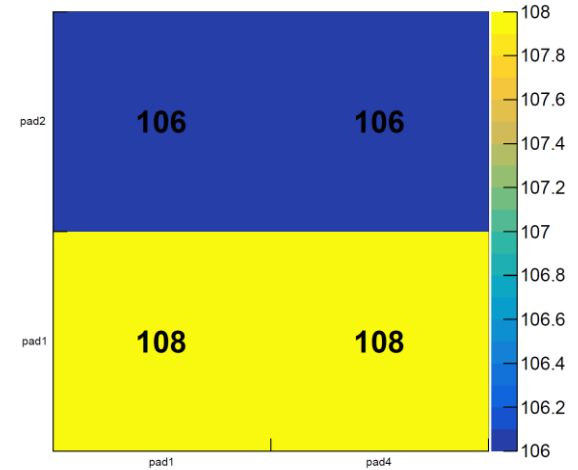
How to test gain?

The breakdown voltage seems similar (about 107V)

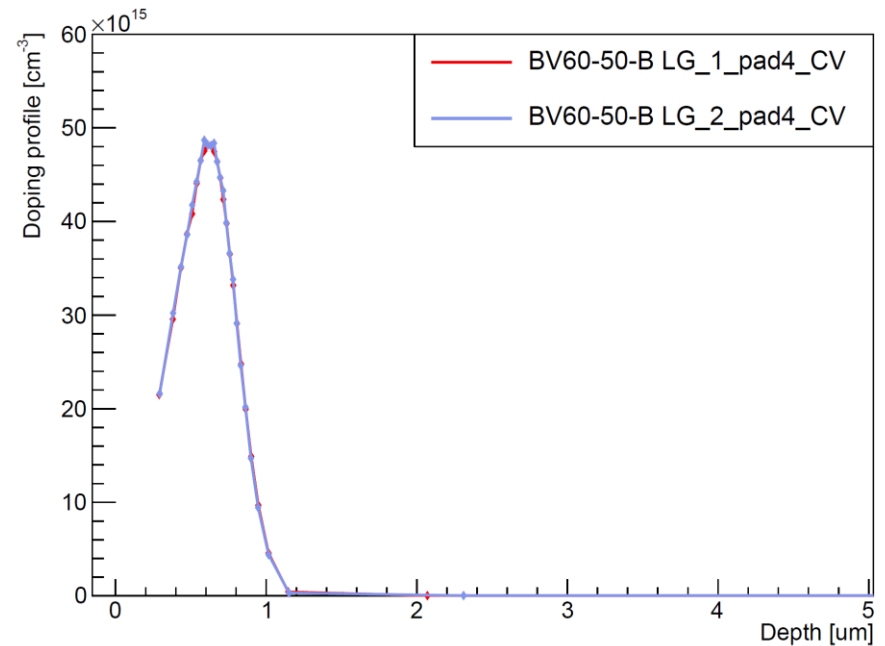
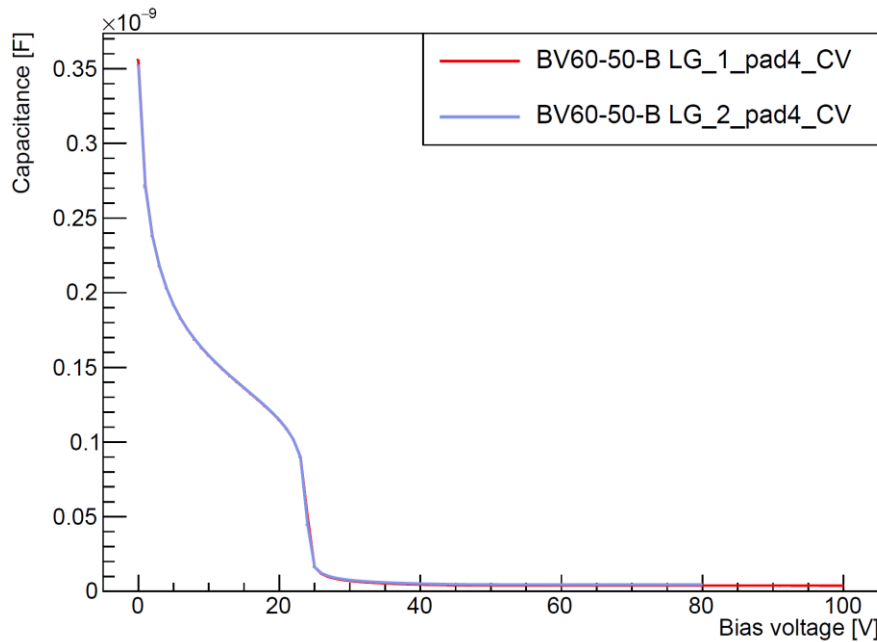
Breakdown Voltage (100 nA)



Breakdown Voltage (100 nA)



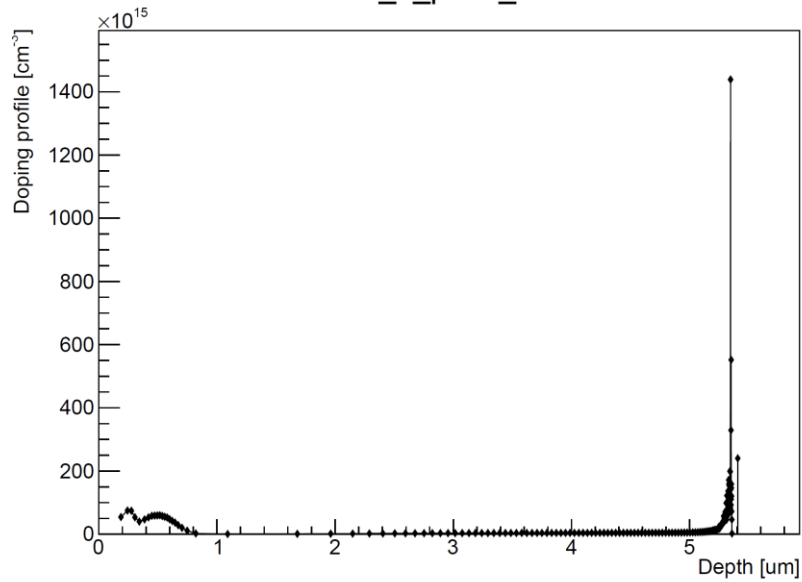
C-V Test: BV60-50-B



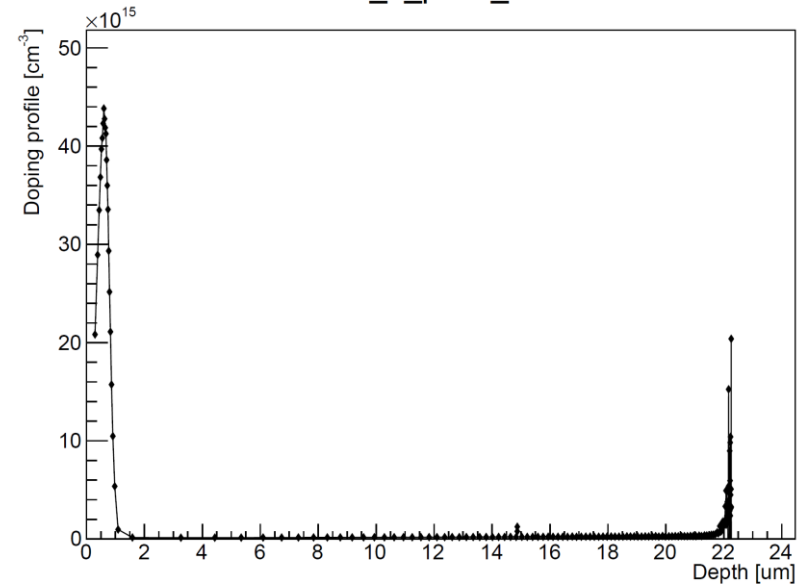
The C-V curve behaves very good between different BV60 sensors

C-V Test: BV170-30-B

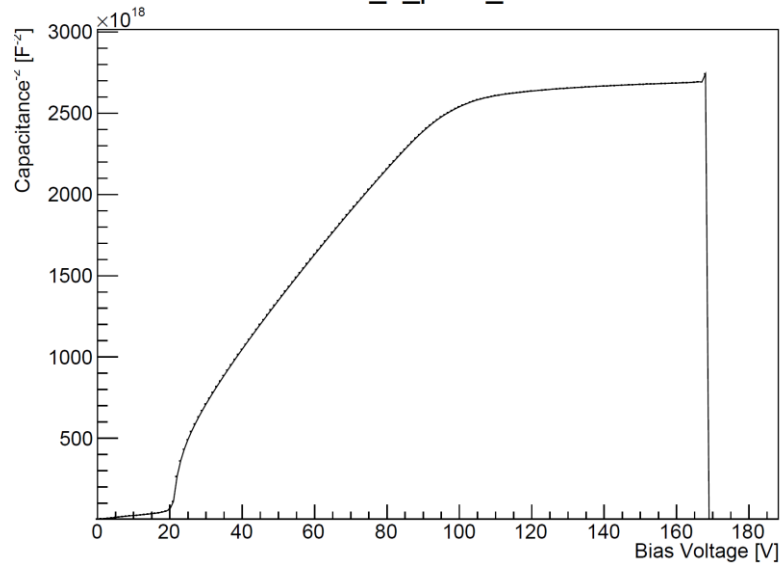
LG_1_pad1_CV



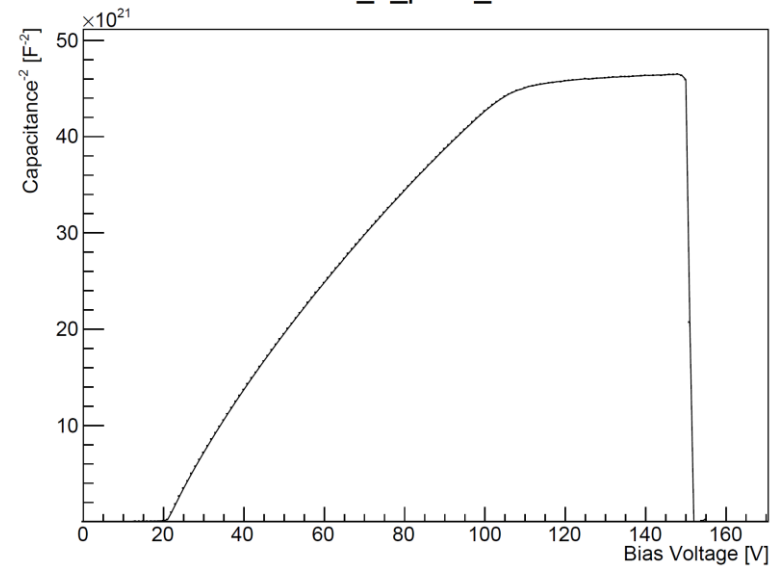
LG_1_pad2_CV



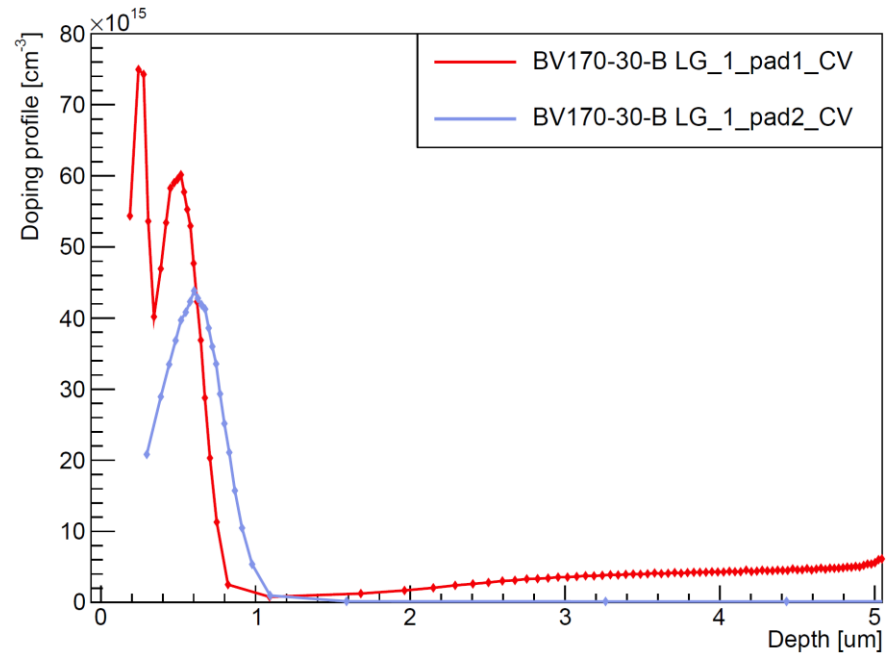
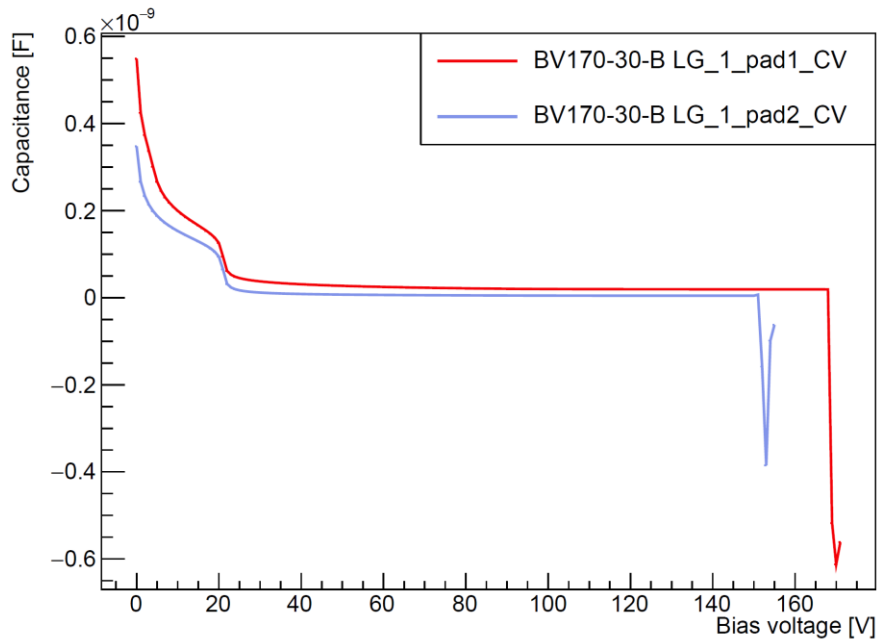
LG_1_pad1_CV



LG_1_pad2_CV



C-V Test: BV170-30-B



About BV170, the C-V curve seems different between two pads of a sensor