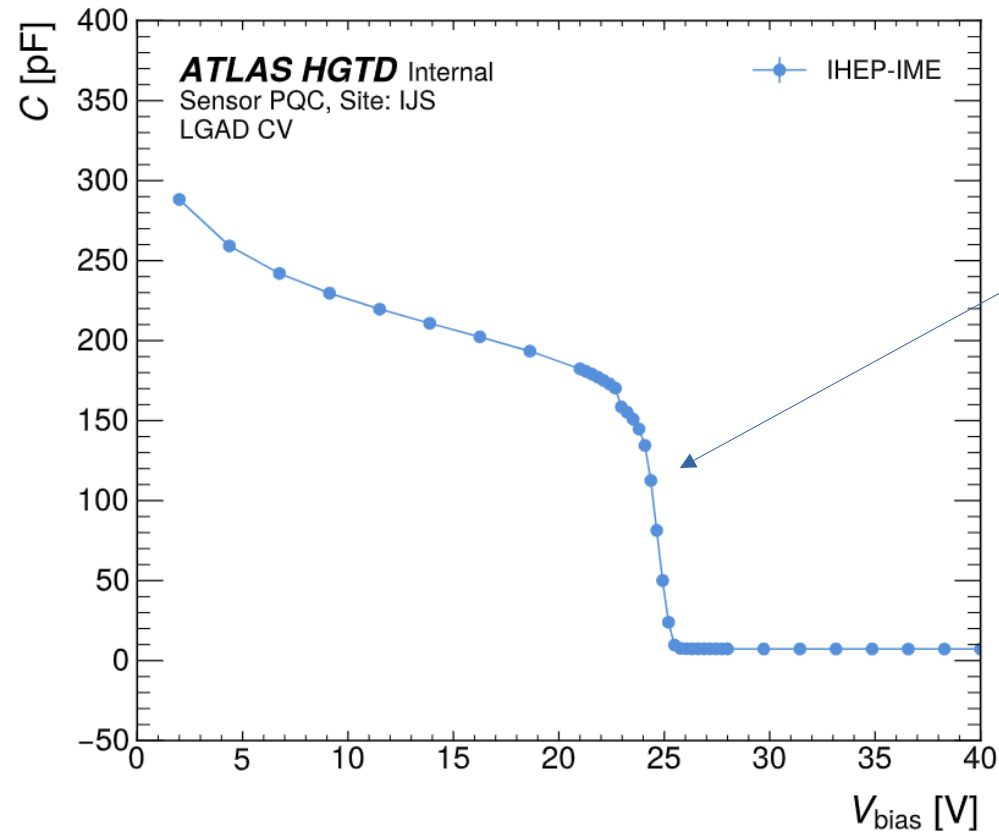


PQC setup status

LGAD CV

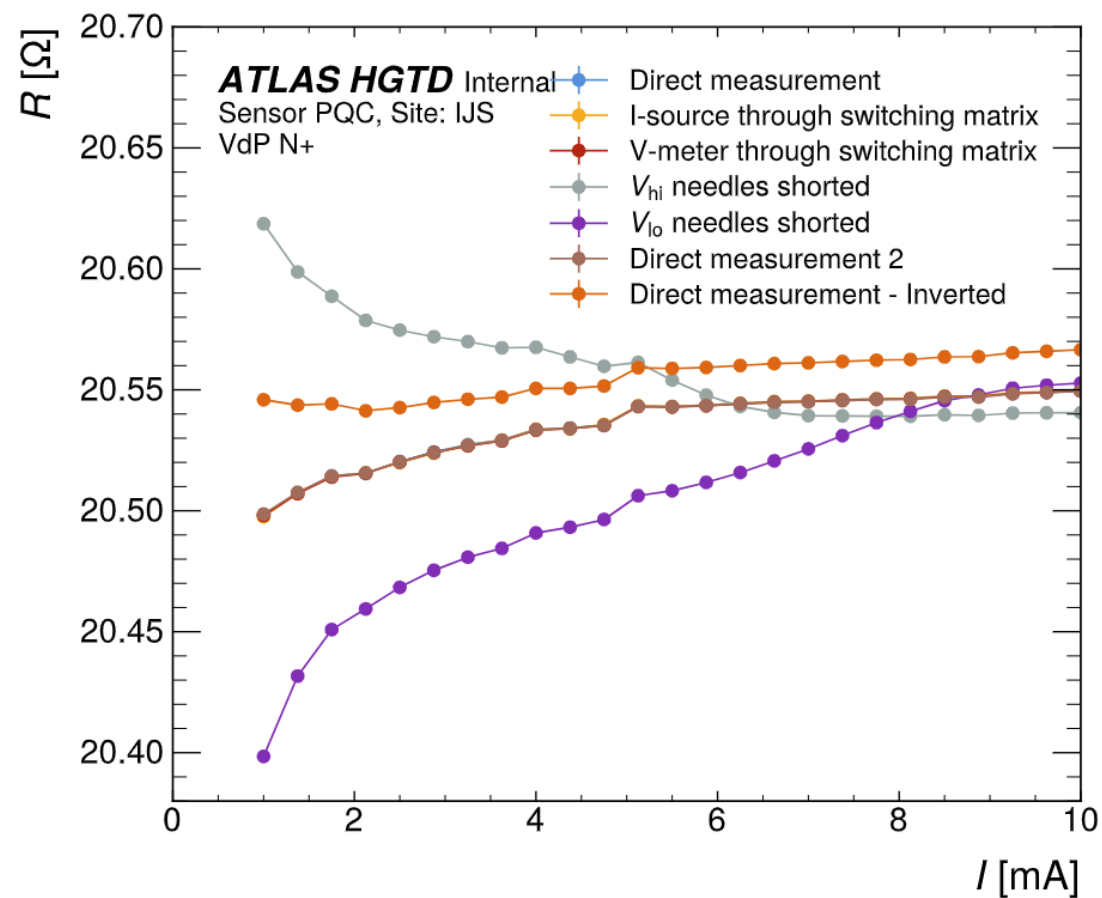
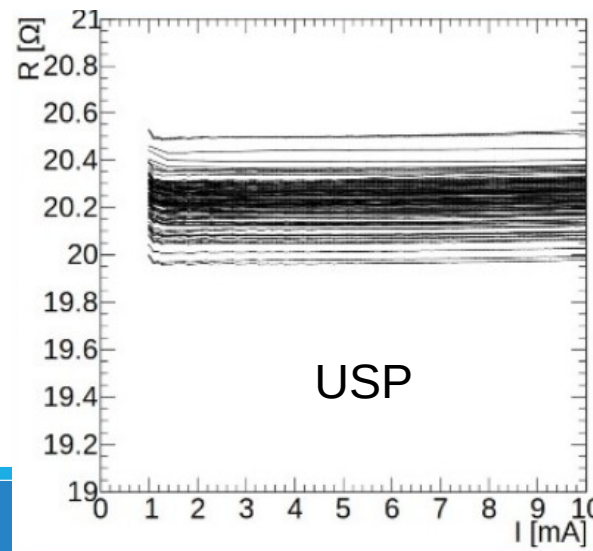
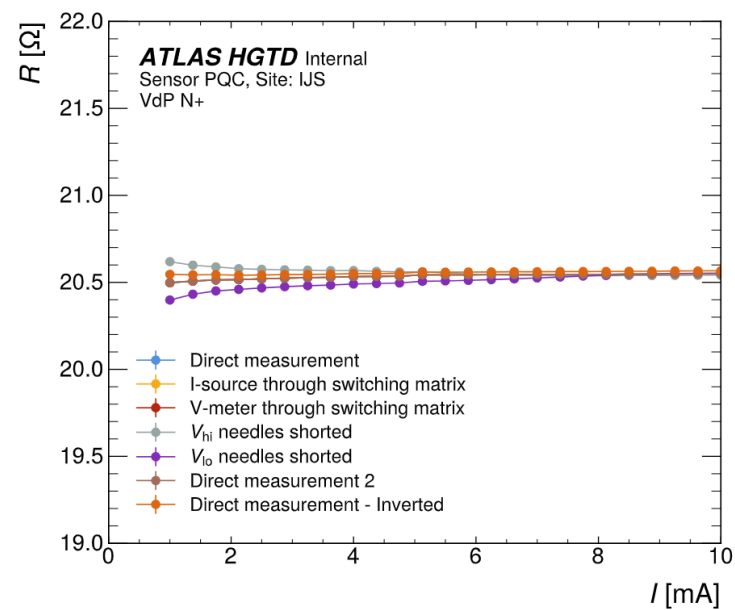


Implemented adaptive stepping for CV – more steps around V_{gl}

Parameter extraction now **works** (needs *very high* granularity)

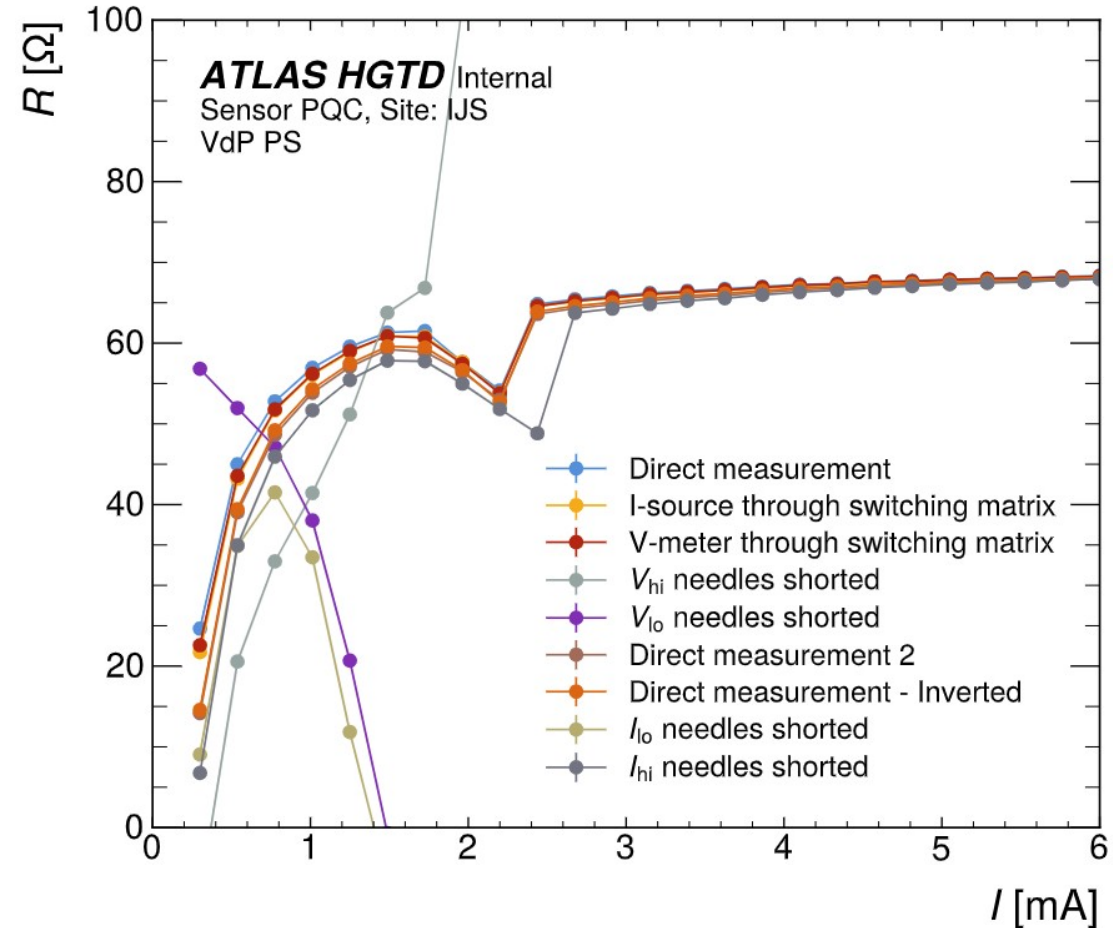
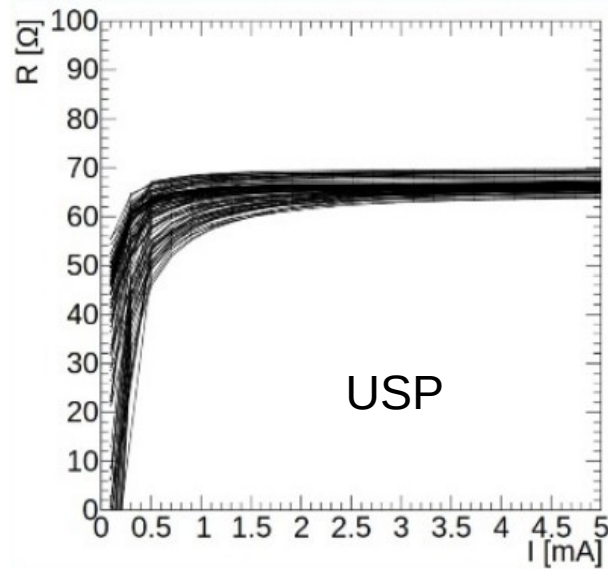
LGAD CV Parameter Extraction: Gain Layer Depletion Voltage 23.4 V Full Depletion Voltage 25.8 V

Van der Pauw measurements



Connected Keithley 220 **interferes** with IV

Van der Pauw measurements

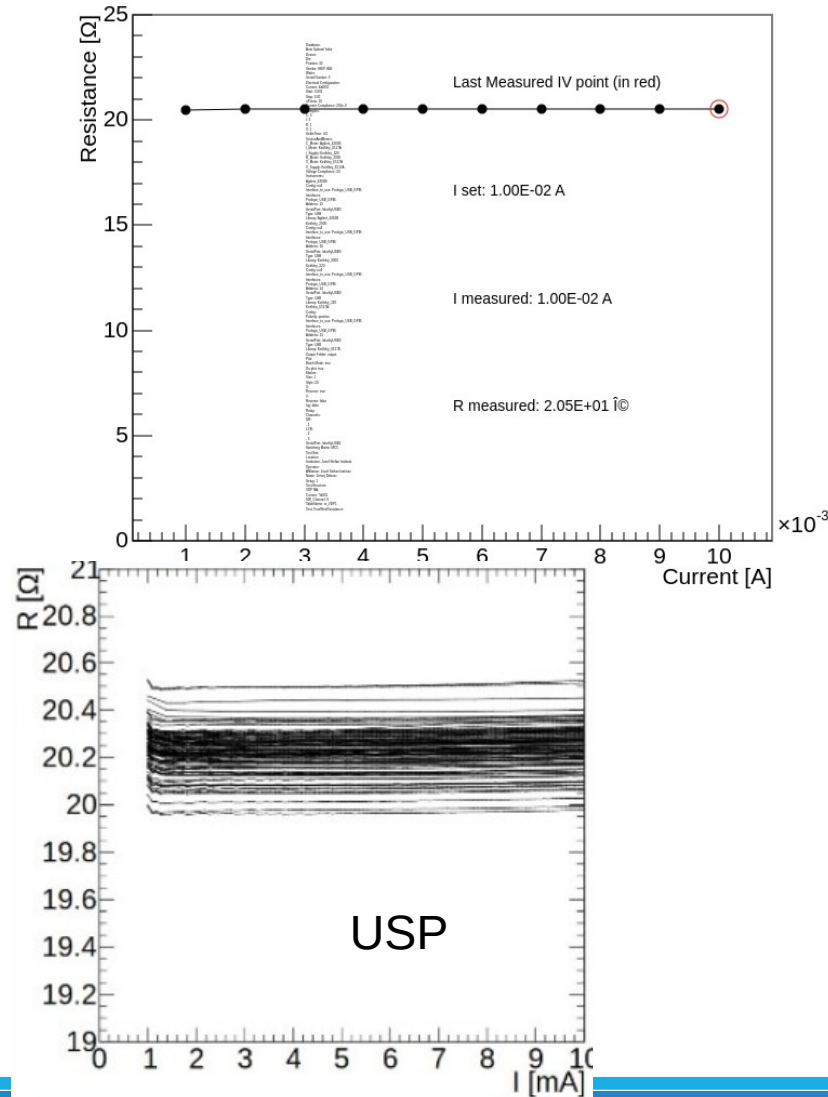


Only setup with I_{hi} needles shorted found to be stable

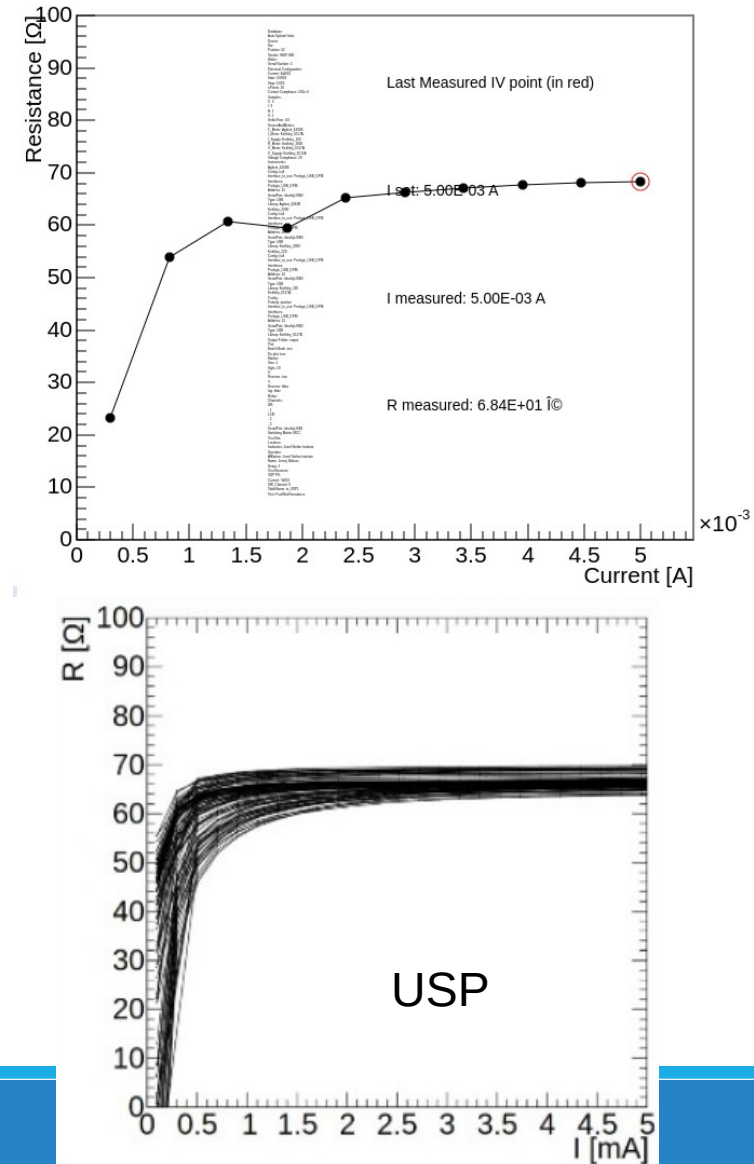
Backup

Van der Pauw measurements

VDP NA FourWireResistance



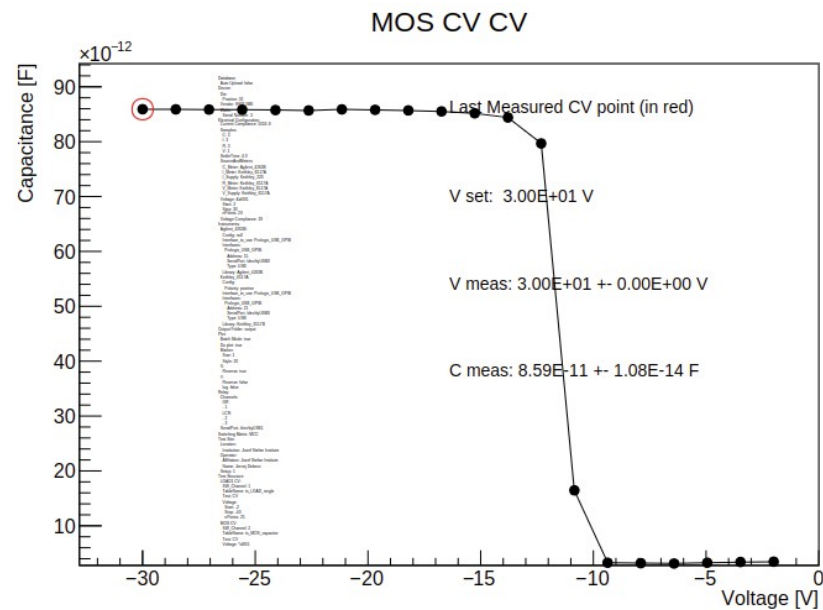
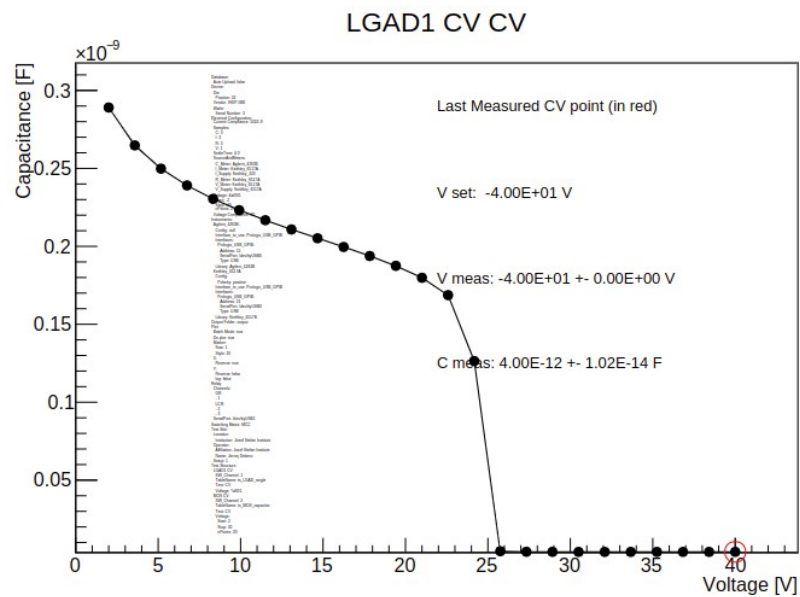
VDP PS FourWireResistance



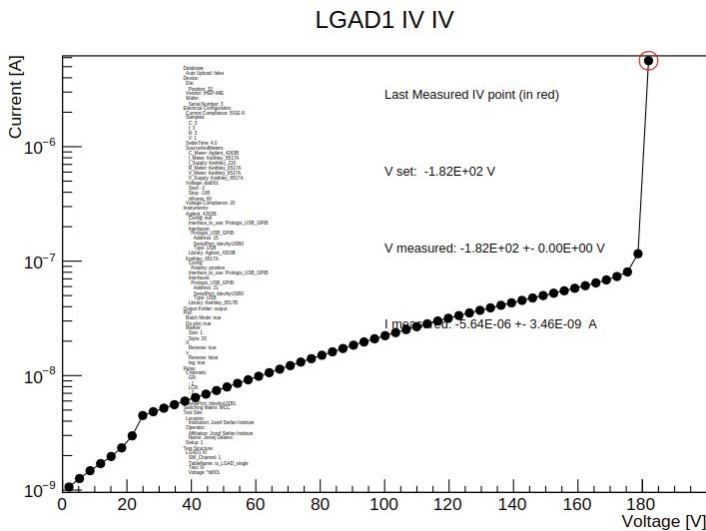
Measured values
consistent with
CERN and USP

IHEP non-irradiated

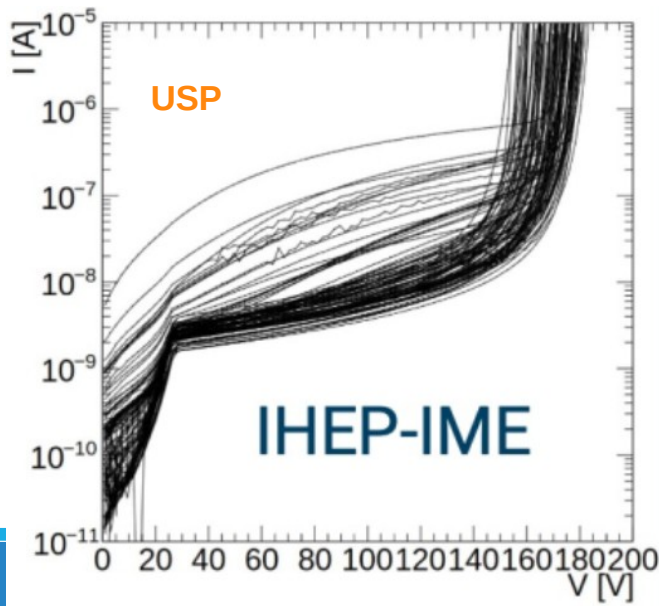
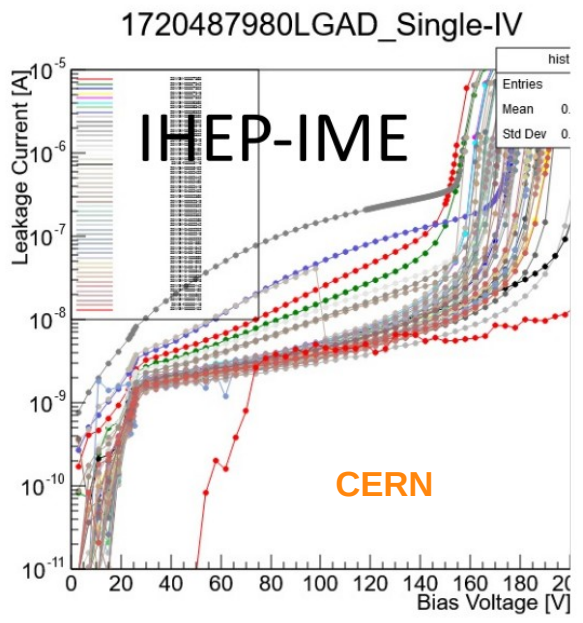
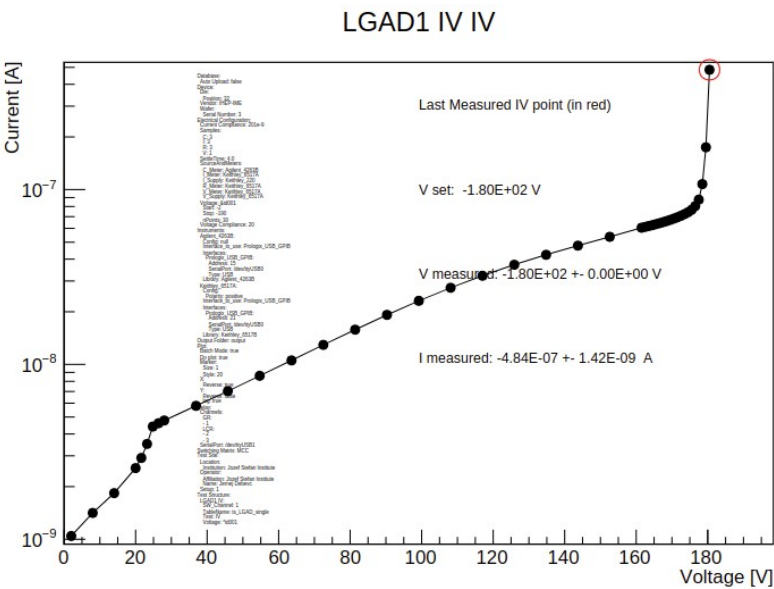
LCR → Freq = 10 kHz, LVL = 500 mV



IHEP non-irradiated



Implemented
adaptive stepping for
IV



IV presumably
within expectations
when comparing to
CERN and USP