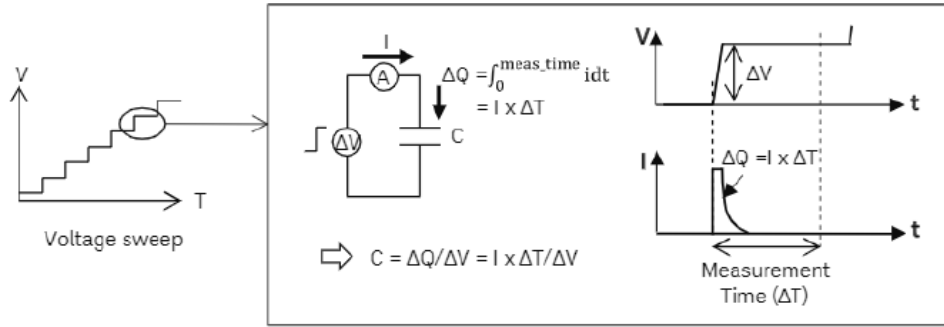
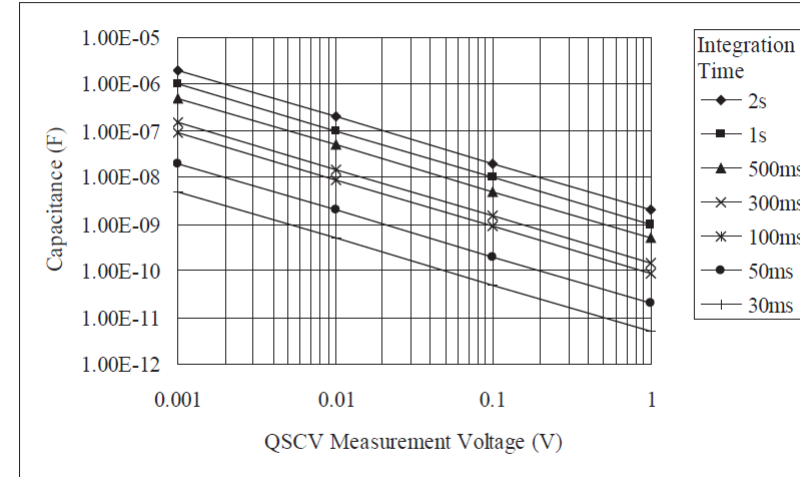


Misure QSCV

Misure QSCV



Maximum Measurement Value Using 1 nA Range:
HPSMU/MPSMU/HRSMU/ASU



Configurazione usata:

Chuck → SMU1

Pad → SMU2

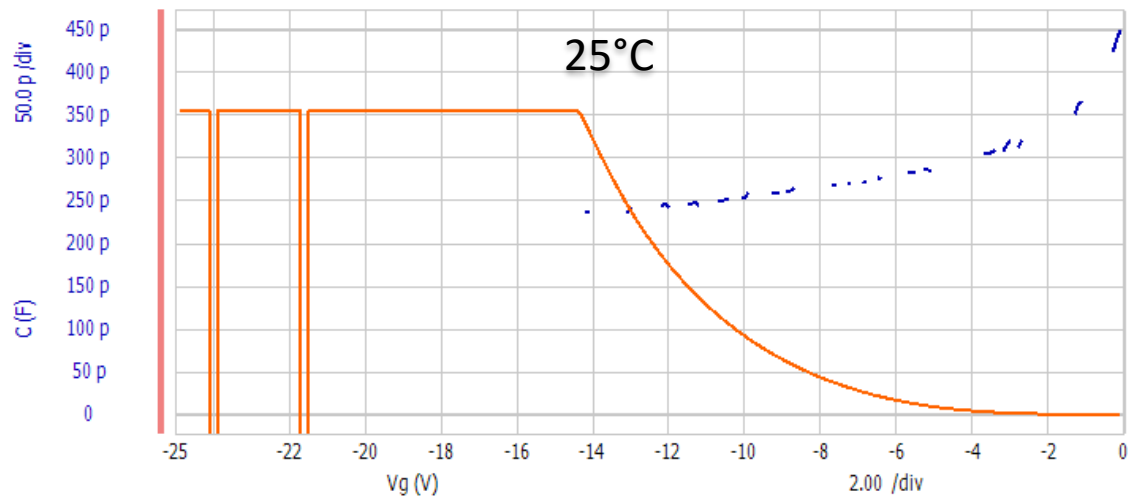
Pad per I-Offset → SMU3

GR → GND

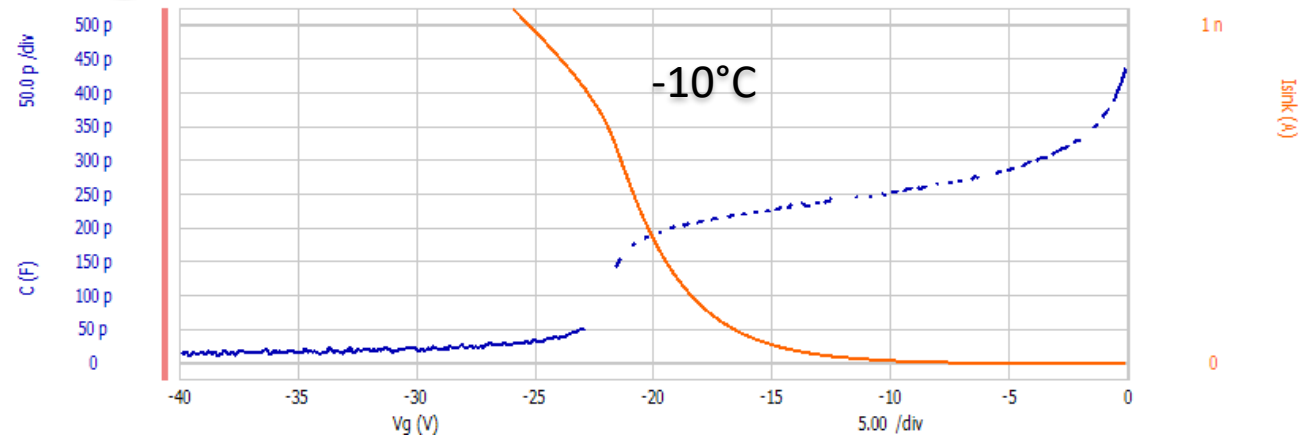
NB: La massima corrente compensabile è dato dal valore di *MeasRange*

Misure con range di correnti di 1 nA e step di 100 mV

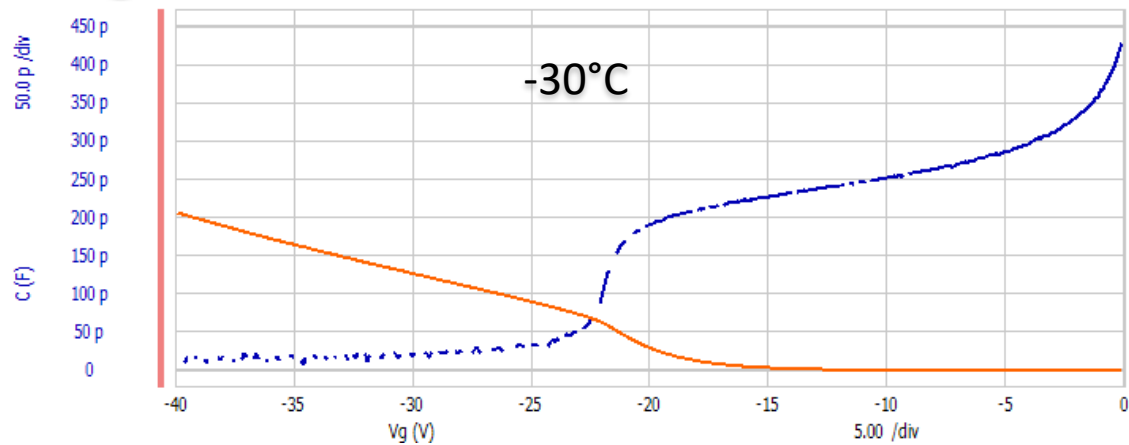
KEYSIGHT TECHNOLOGIES



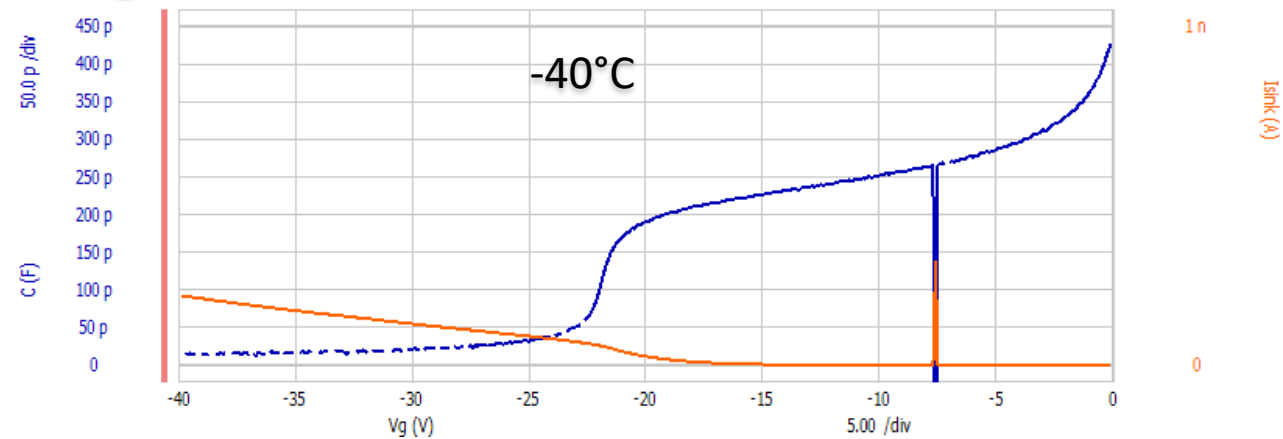
KEYSIGHT TECHNOLOGIES



KEYSIGHT TECHNOLOGIES

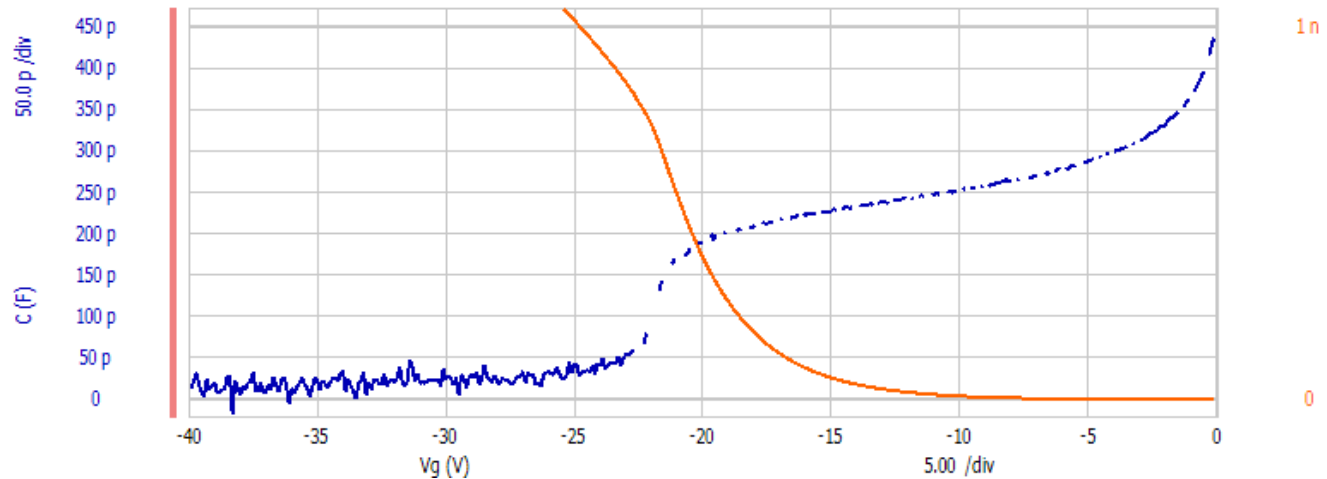


KEYSIGHT TECHNOLOGIES



Misure a range di correnti di 10 nA

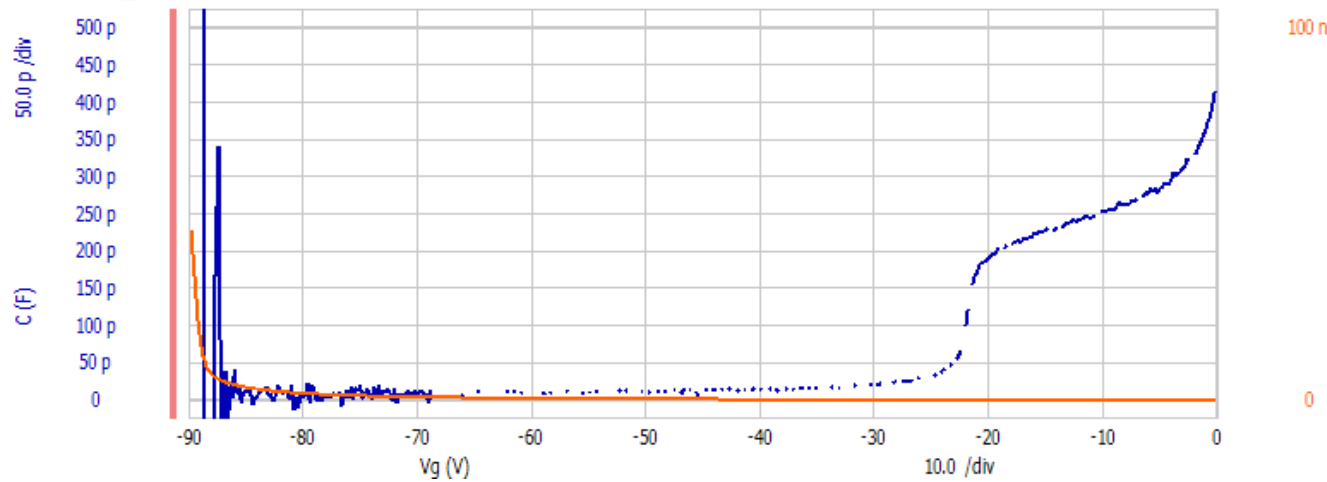
KEYSIGHT TECHNOLOGIES



1 n
Isink (A)

Step di 100 mV e $T = -10^\circ\text{C}$

KEYSIGHT TECHNOLOGIES

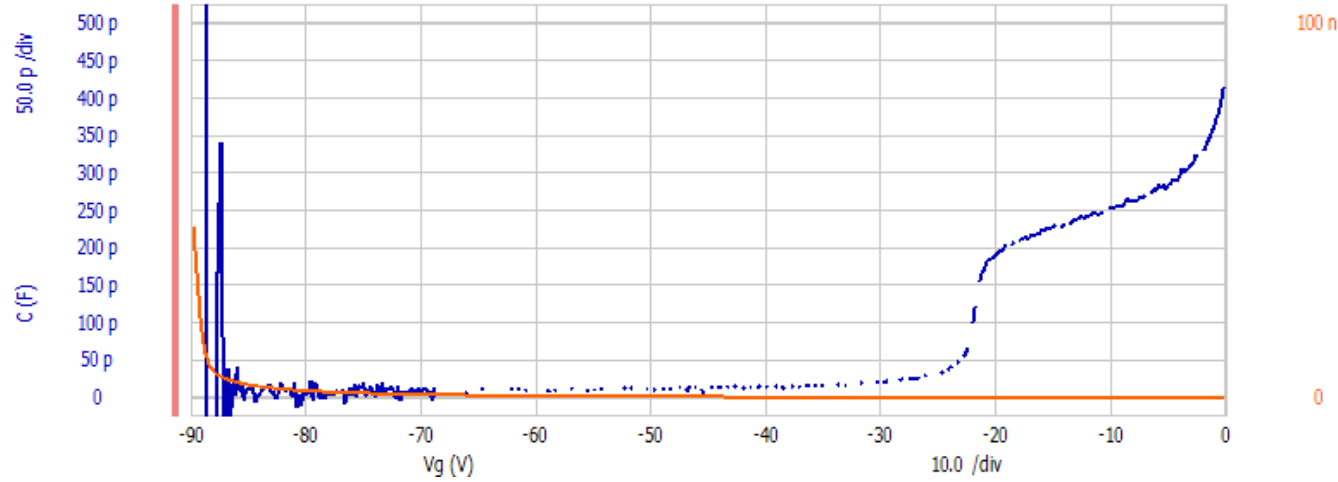


100 n
Isink (A)

Step di 200 mV e $T = -40^\circ\text{C}$

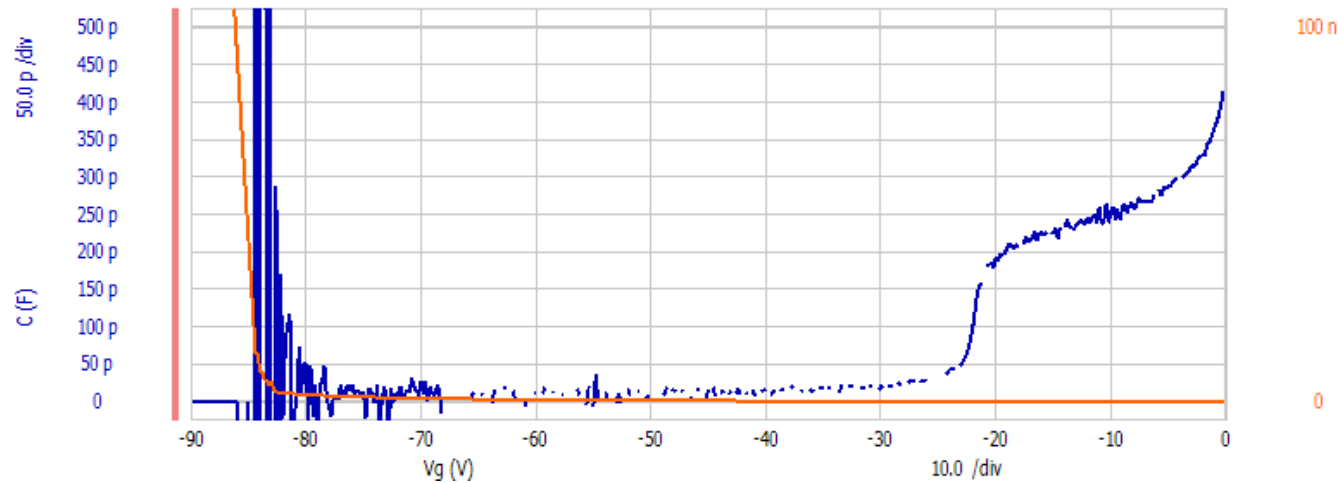
Misure a -40° , 10 nA e step di 200 mV

KEYSIGHT
TECHNOLOGIES



tempo di
integrazione 1 sec

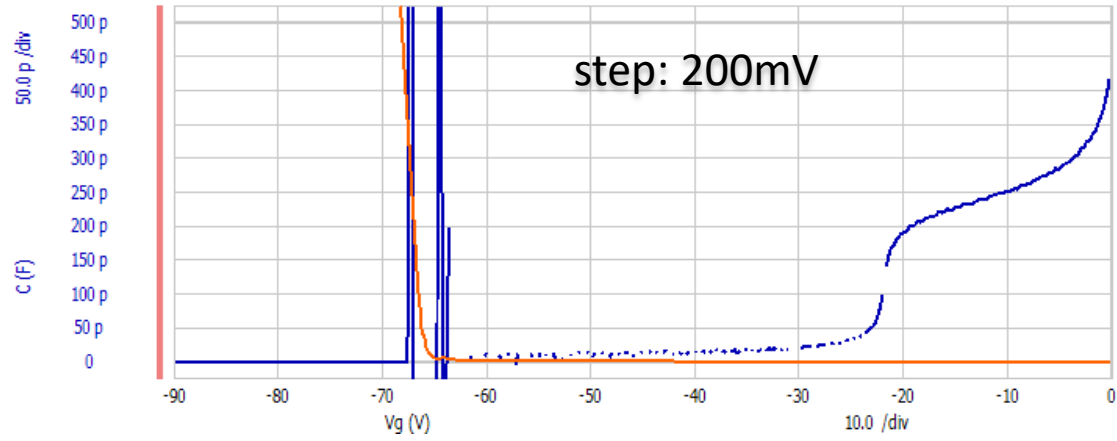
KEYSIGHT
TECHNOLOGIES



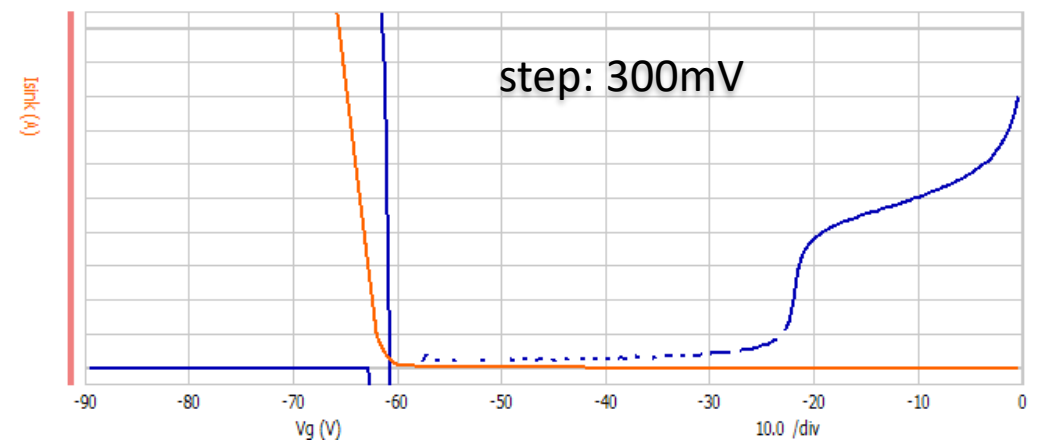
tempo di
integrazione 2 sec

Misure a -40° e 10 nA

KEYSIGHT TECHNOLOGIES



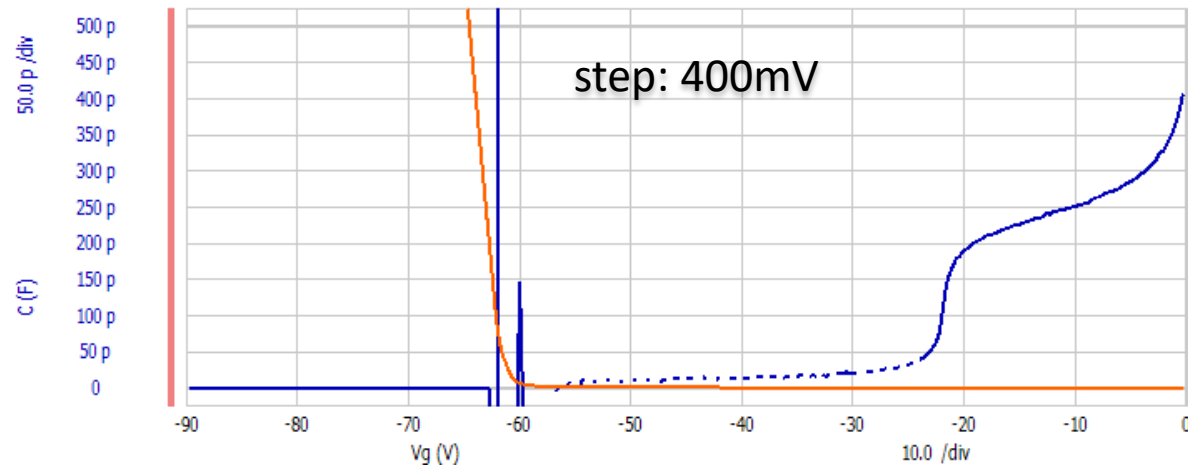
100 n



100 n

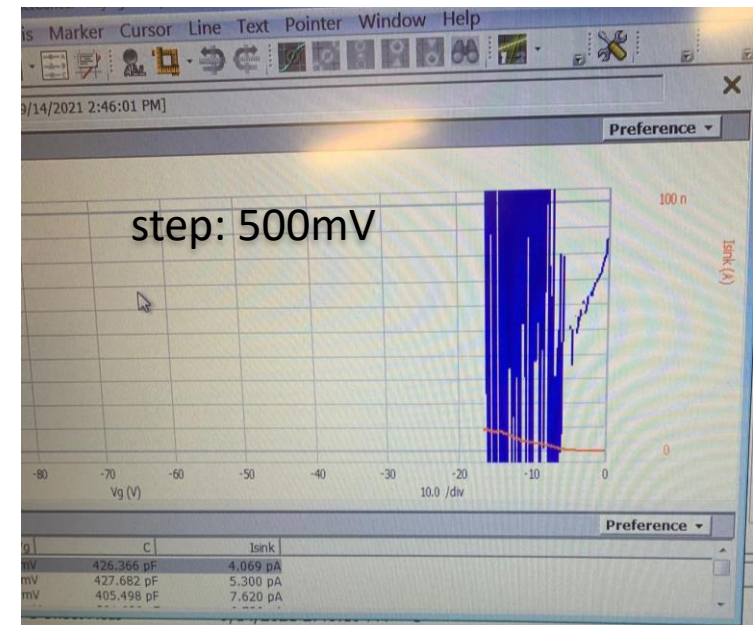
I_{sink} (A)

KEYSIGHT TECHNOLOGIES



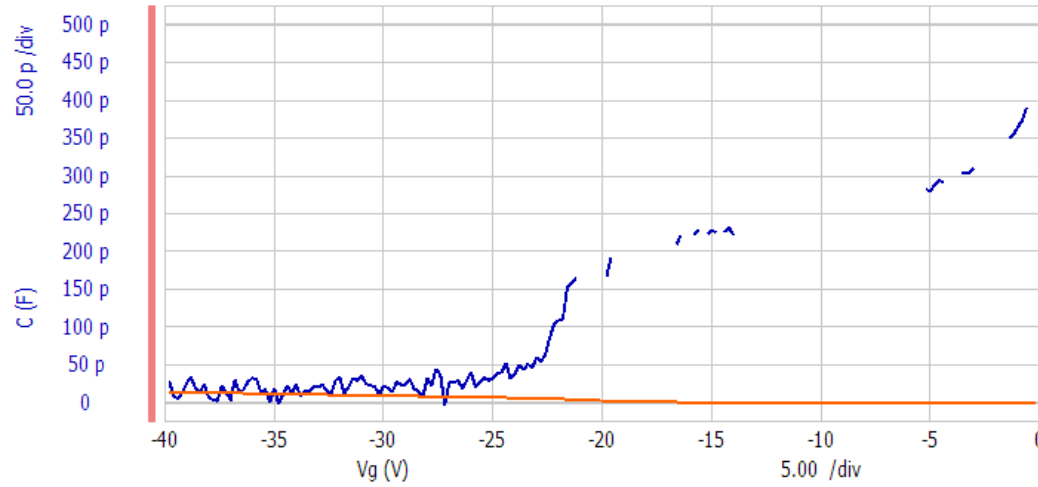
100 n

I_{sink} (A)



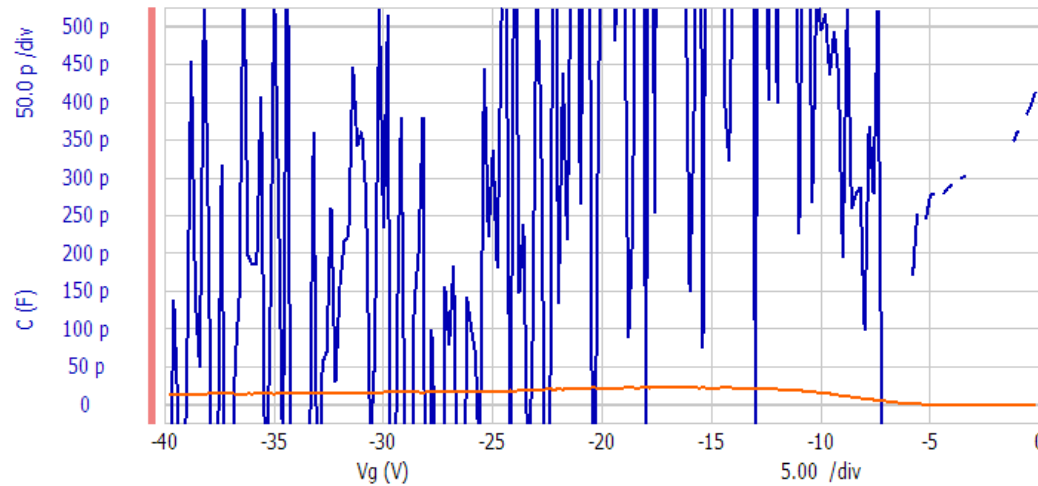
Misure nuovo sensore

KEYSIGHT TECHNOLOGIES



I_{sink} (A)
 -10°C
0

KEYSIGHT TECHNOLOGIES



I_{sink} (A)
 -40°C
0

- Nuovo sensore
- range di corrente di 10 nA
 - Tempo di integrazione 1 sec

Next

- Possibile scambiare gate con substrato?
- Aumentare il range di corrente