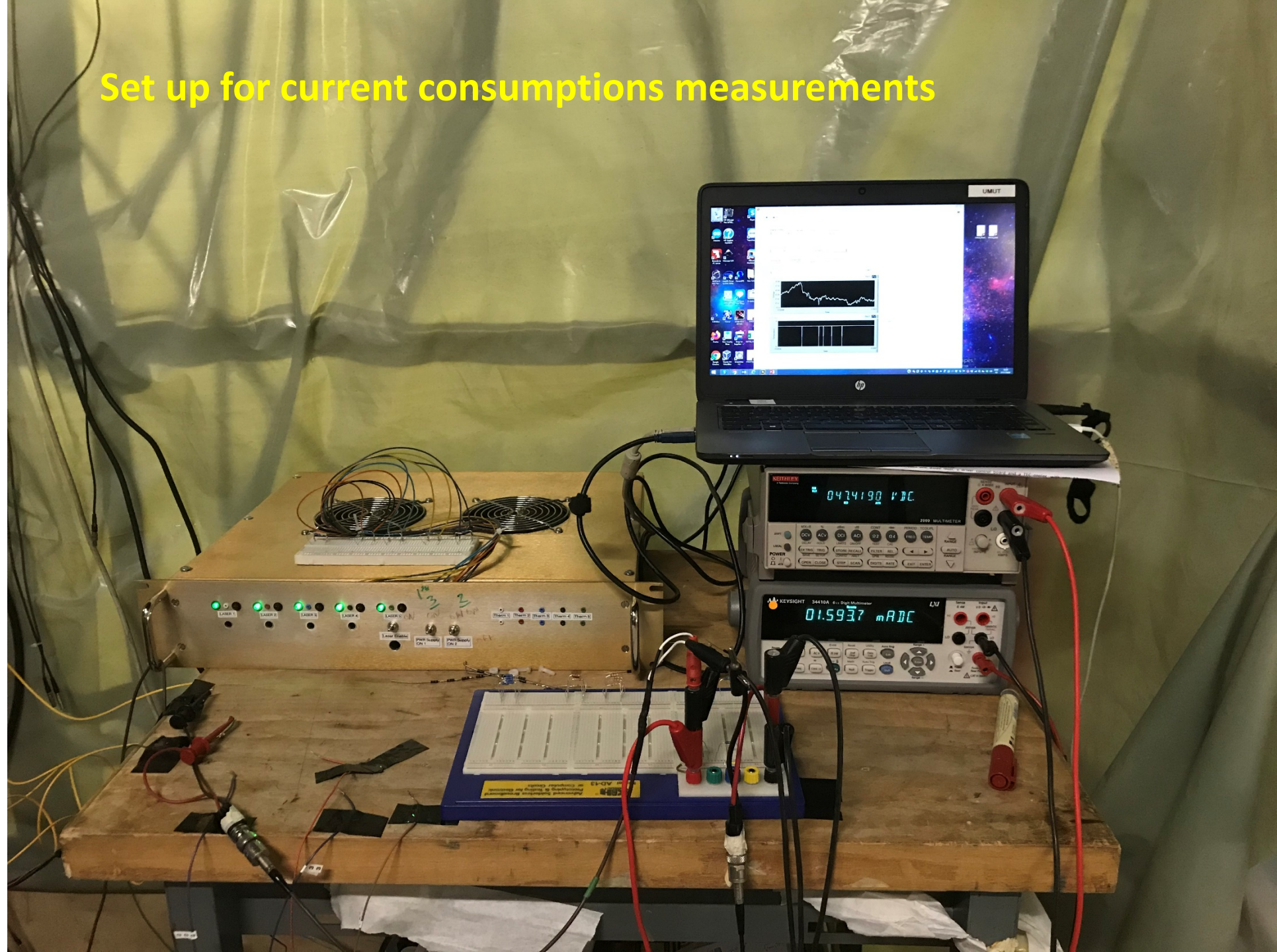


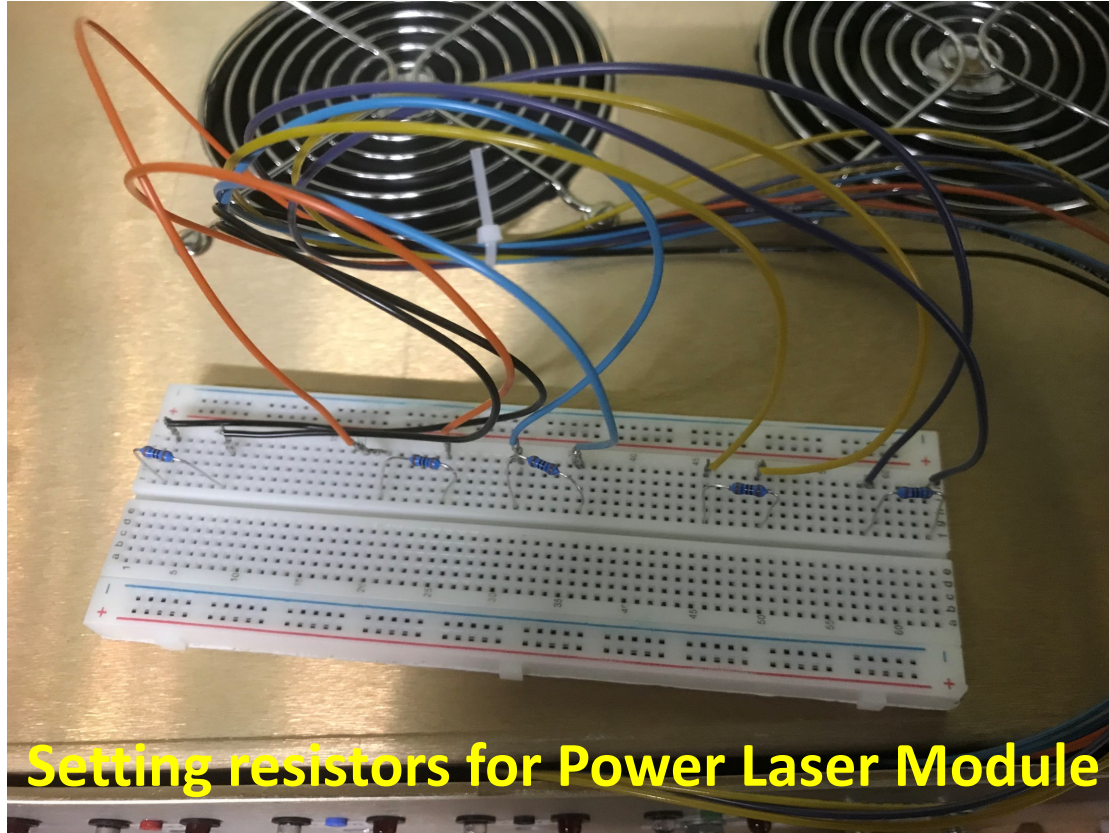
Testing Fermilab PoF system in LAr VII (Nov 25,2020)

Dante TOTANI

Umut KOSE

Set up for current consumptions measurements





$$R_{set} = 0.360, 0.750, 1.2, 1.8 \text{ k}\Omega$$



$$R_{load} = 20, 30, 40 \text{ k}\Omega$$

Results:

Set	Load	Voltage [Volts]	Current [mA]
0.360	20	44.5	2.24
0.360	30	48.0	1.61
0.360	40	48.5	1.22
0.750	20	47.6	2.39
0.750	30	47.5	1.59
0.750	40	47.5	1.19
1.2	20	46.5	2.34
1.2	30	46.6	1.56
1.2	40	45.0	1.14
1.8	20	44.5	2.30
1.8	30	45.7	1.54
1.8	40	45.4	1.14

When we increase R_set resistors the boiling increased!

