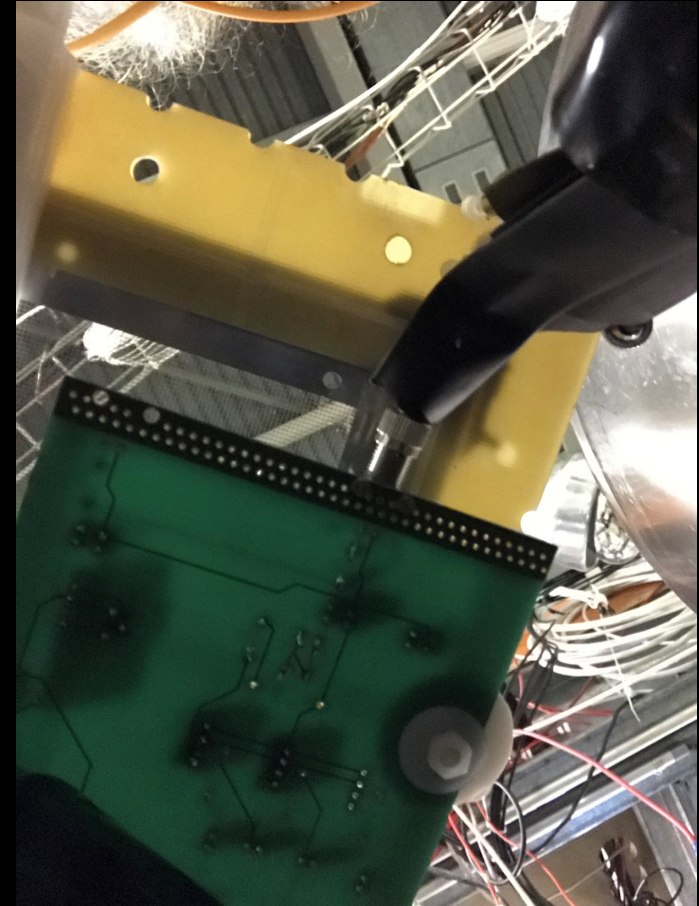
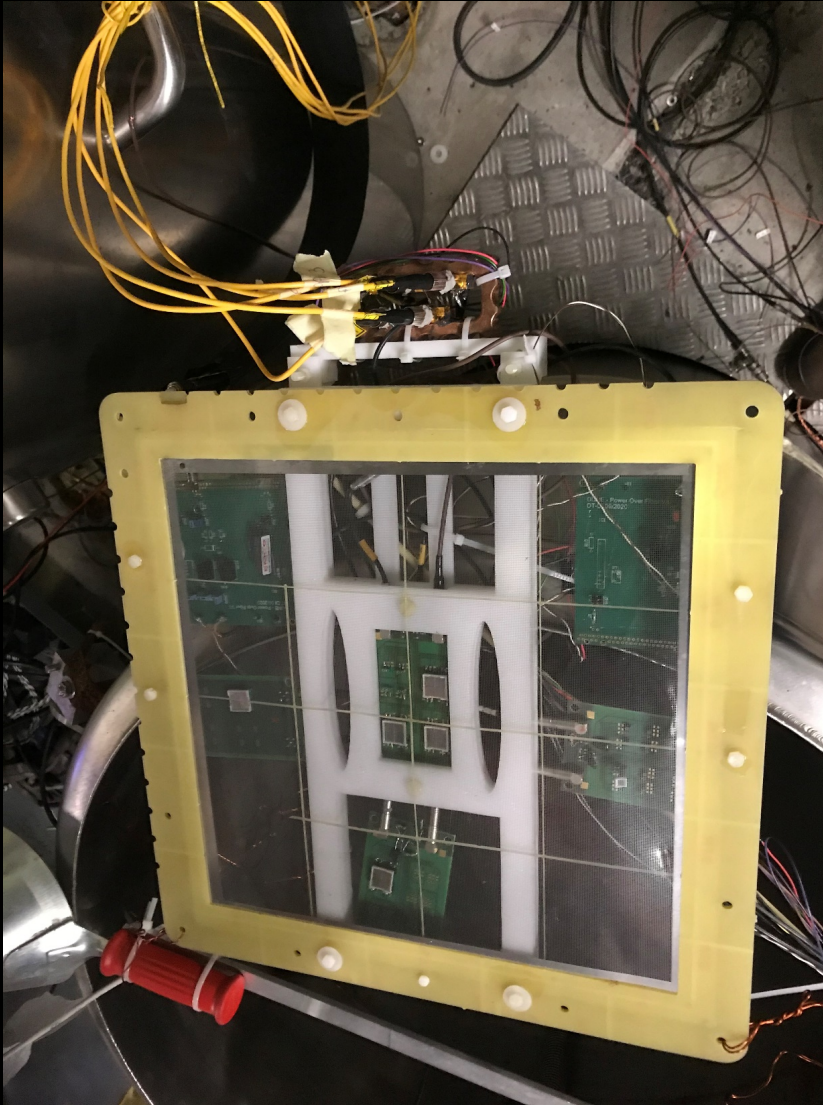


Checking yellow fibers

29 December 2020

U. Kose, F. Pietropaolo, P. Sala, S. Tufanli



- **Replace extension fibers with yellow one**
- **Use extension fiber #6 together with 5W/3W laser diode to power on 5V-DC-DC circuit**

PoF unit OFF

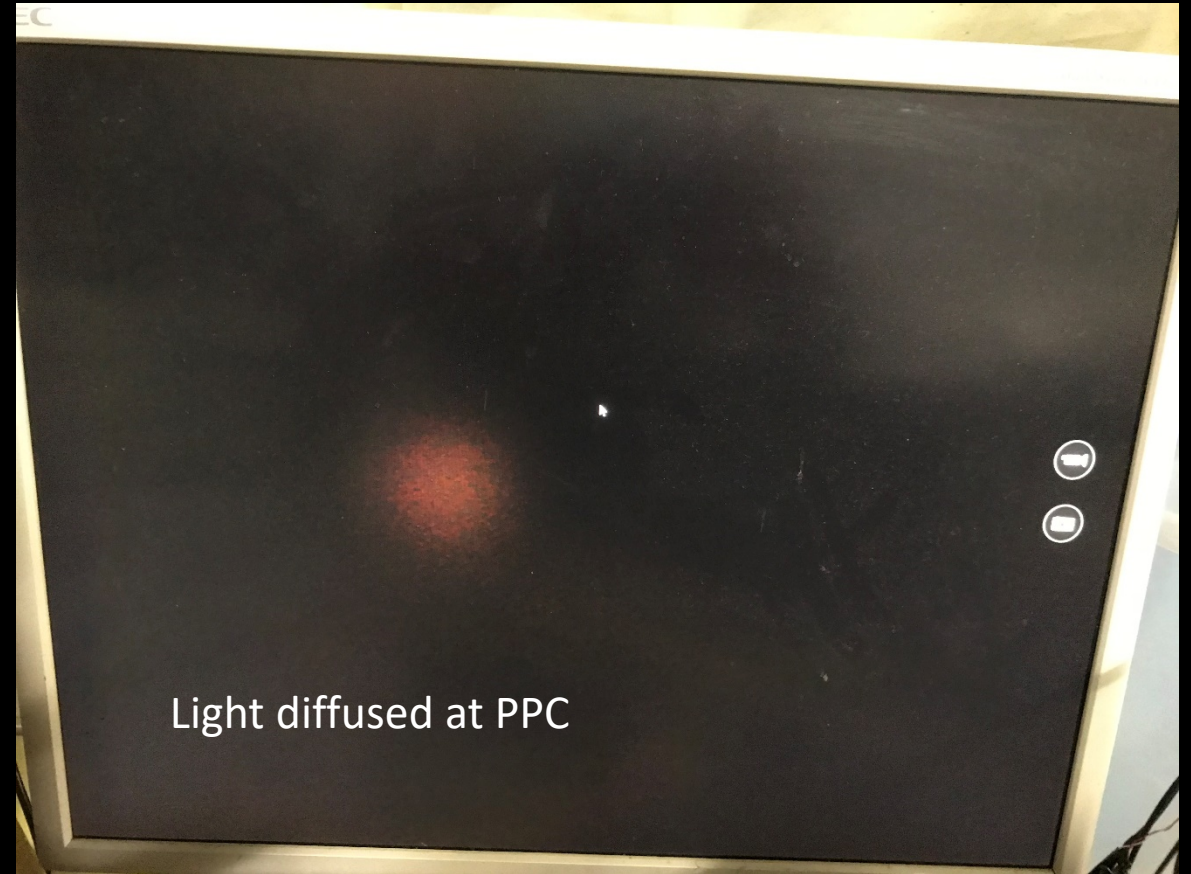
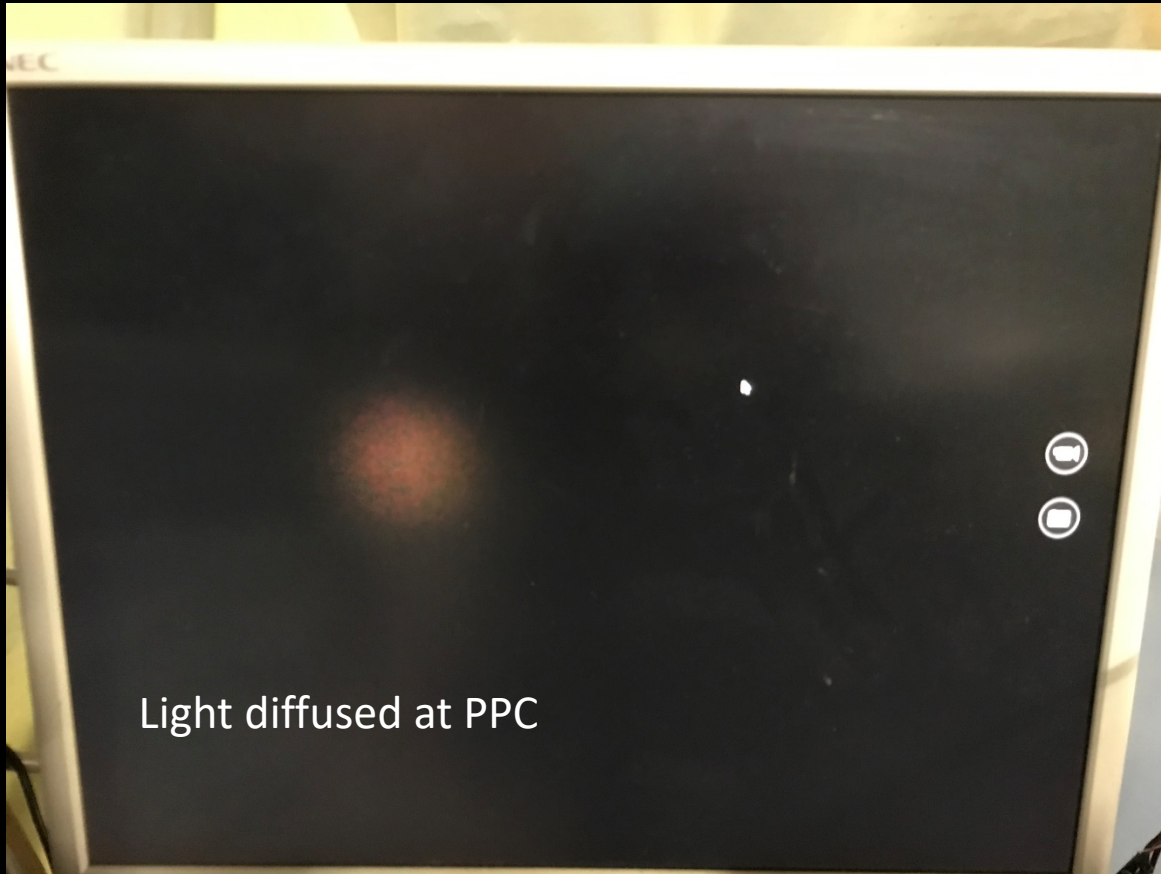


PoF unit ON



- Checking diffused light along the fibers with SiPM array powered and current readout w/ Keithley.
- Reading the current we read from reference SiPM array, we have **two times more light diffused** on **yellow fibers** wrt white fibers (see slides sent on December 28)!

Testing 3W and 5W laser diodes with 5V-DC-DC circuit



- In both cases we get 48Volts output from DC-DC circuit but no signals from SiPM array.
- When the laser diode is ON we read from 1.7 to 2.4 μA of current on reference SiPM array.