Updates on SiPM dark counts

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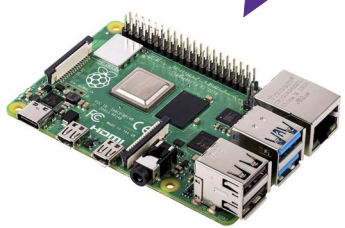
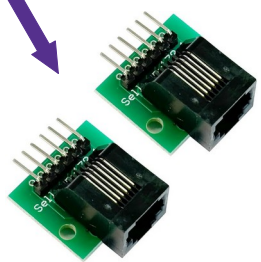
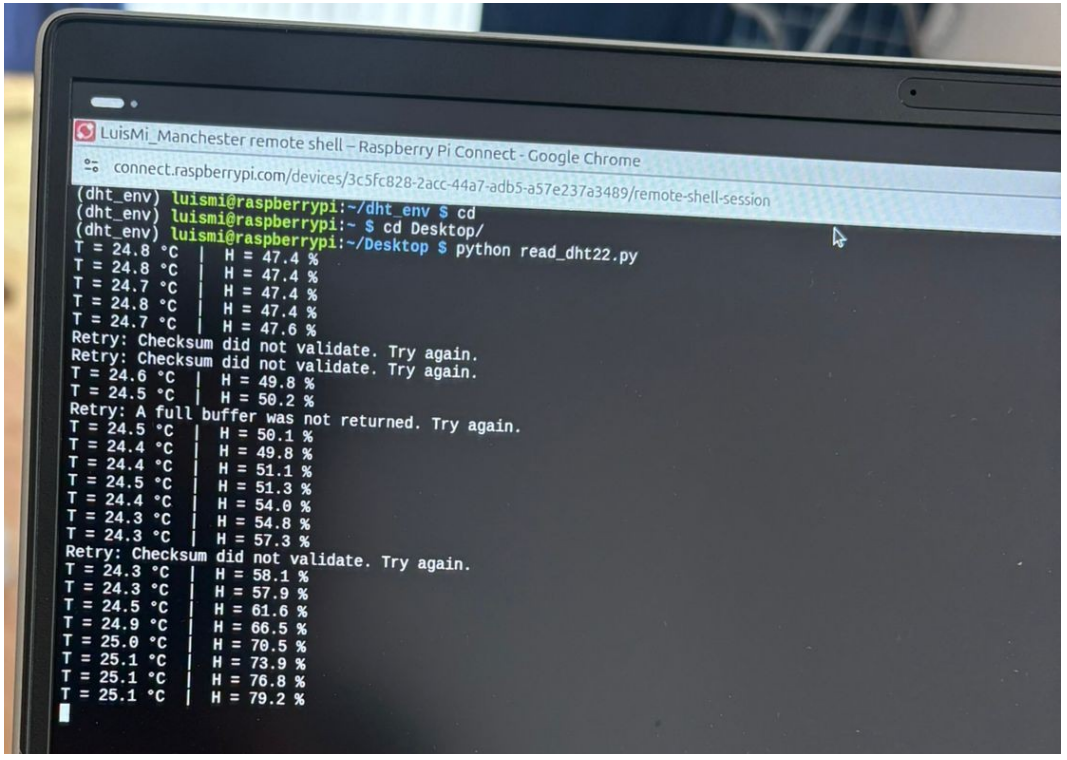
The sensor and connections

- We acquired a **DHT22 sensor** which measures connects via RJ11 cable (telephone cable).
- The sensor is meant to be connected using a module, but we can bypass this using a **breakout** and pins.
- The sensor is then read using the **Raspberry Pi**.





How does the output look like?



- Creates a csv file which records temperature, humidity and the timestamp.

- The default interval between measurements is 3 seconds (adjustable).

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Next Steps

- We ideally want to connect more DHT22 simultaneously to check temperature and humidity outside the box/chamber.

- Automate the data collection to responds to certain conditions (improve the Python script).

- Use this sensors to measure the temperature and humidity conditions in the dark box inside the climate chamber.