

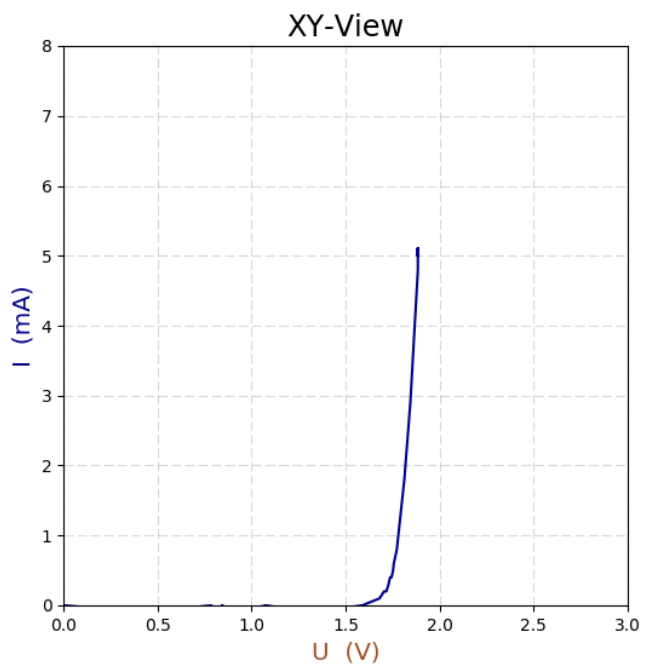
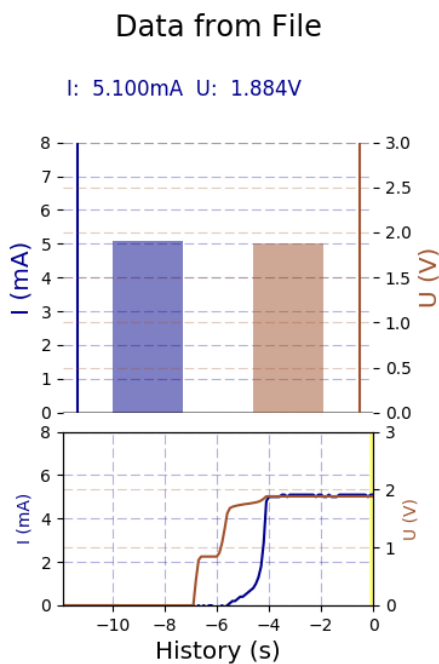
Characteristic Curve of LED

PhyPiDAQ
Digital Measurement System Based on
Raspberry Pi



Objectives:

- Measure the current against voltage on LEDs by connecting the INA219 current and voltage measuring sensor at the Raspberry Pi.
- Use various graphical capabilities of the PhyPiDAQ-Software to visualize the characteristic curves of different LEDs.
- Employ spreadsheets like LibreOffice or Excel to the recorded measurements to determine the threshold voltage and the forward resistance of LED.



Various graphical representations on the PhyPiDAQ-window as measuring the characteristic curve of a LED by using the INA219 current and voltage measuring sensor.

Configurations:

-Configure the experiment and the INA219 current and voltage measuring sensor on the Graphical Interface of the PhyPiDAQ Software according to

`INA_led-red.daq`
`INA219Config_LED.yaml1`

Circuit Diagram

