

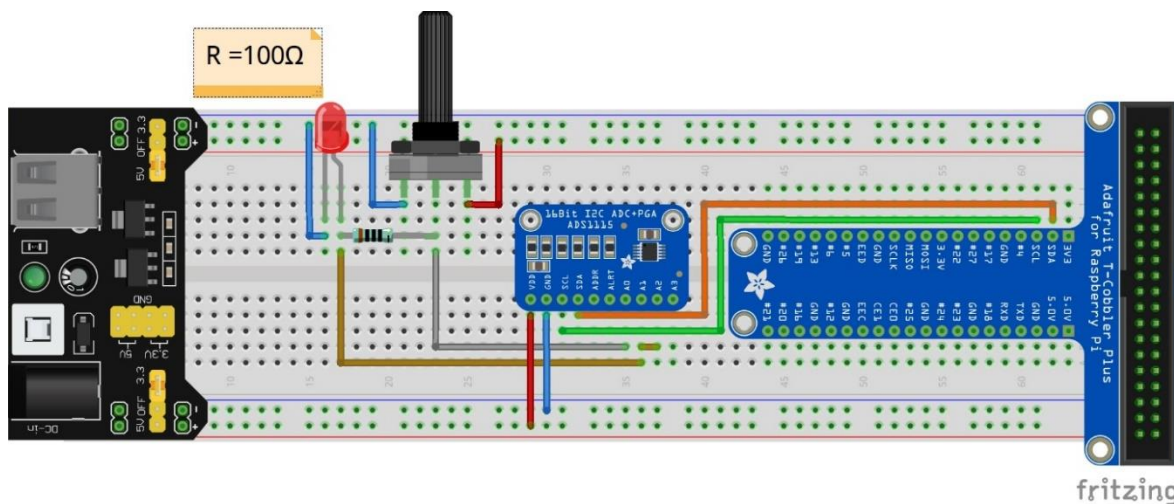
# Characteristic Curve of LED

PhyPiDAQ  
Digital Measurement System Based on  
Raspberry Pi



## Objectives:

- Measure the current against voltage on LEDs by connecting the by connecting the ADS1115 Analog-to digital convertor 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 ADS1115 Analog-to digital convertor at the Raspberry Pi.

## Configurations:

-Configure the experiment and the ADS1115-convertor on the Graphical Interface of the PhyPiDAQ Software according to

[Kennlinie\\_Led\\_ADS1115.daq](#)  
[ADS1115Config.yaml](#)

## Measurements

