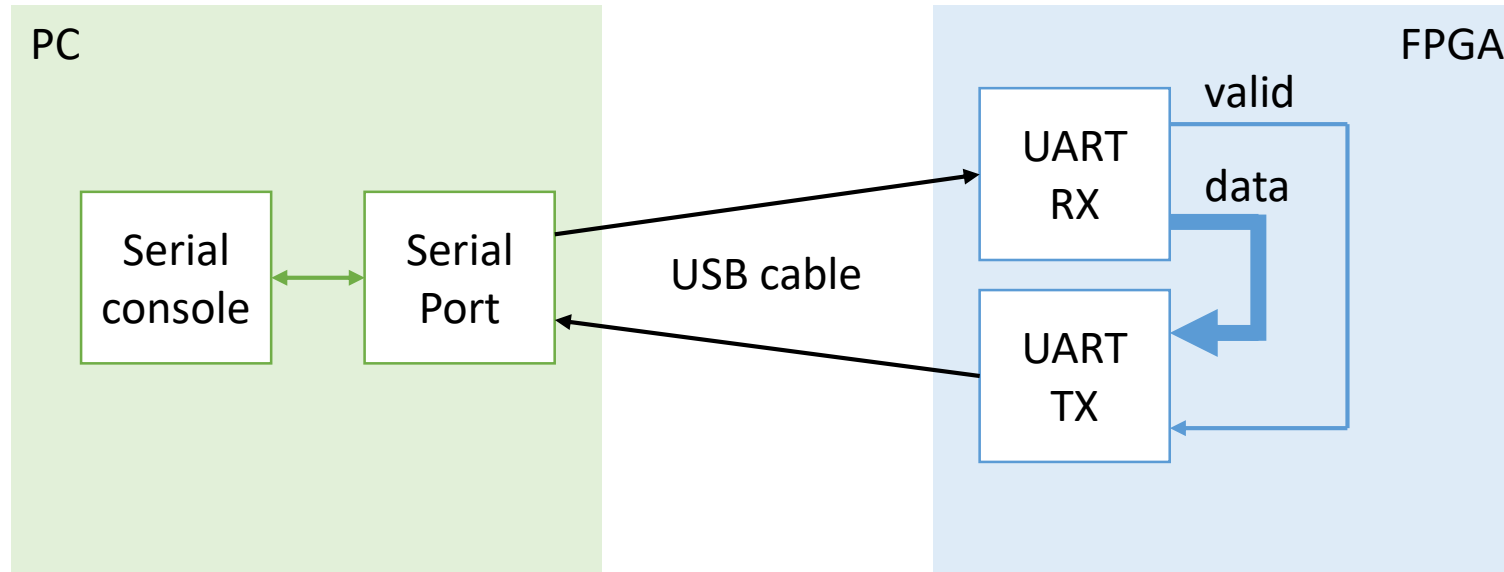# MANAGEMENT AND ANALYSIS OF PHYSICS DATASET (MOD. A)
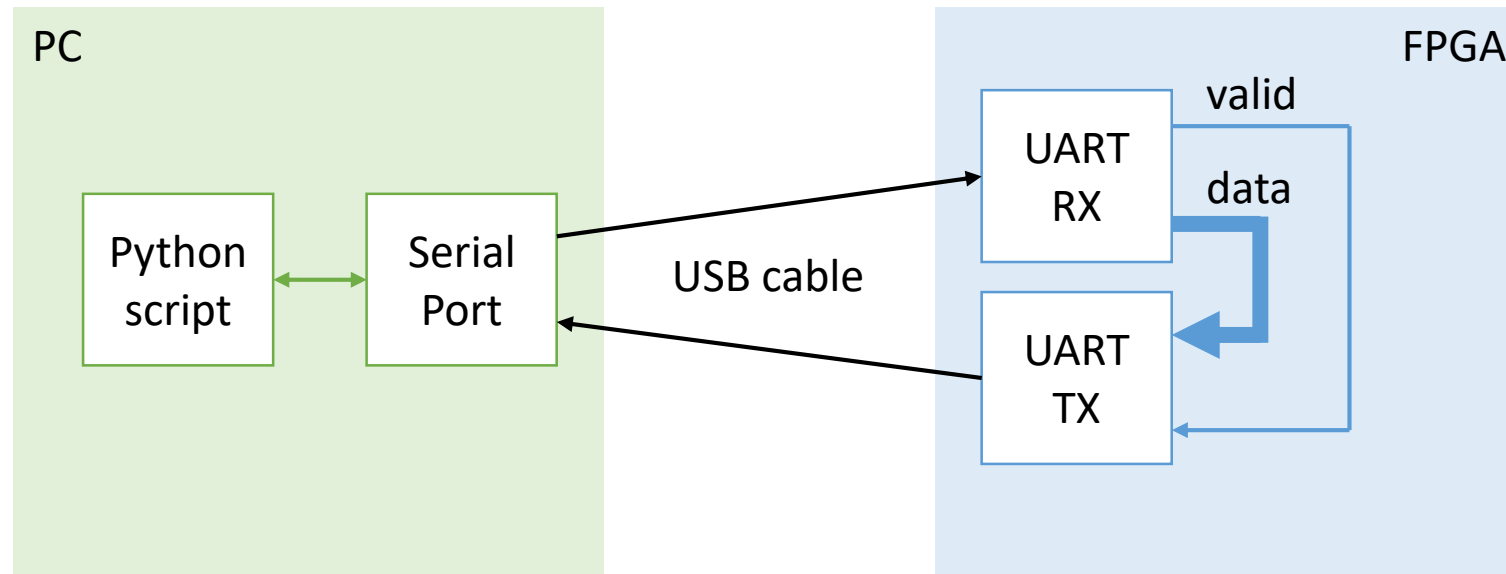
Laboratory 8

Goal

- Design a UART transmitter
- Design a UART receiver
- Put them together in loopback
- Send some data from your PC on the serial port and read data back

Loopback

- Tera Term for Windows: https://ttssh2.osdn.jp/index.html.en
  - Or Putty, or any other serial console
- Screen, picocom, minicom, etc. for Linux

Loopback

Example of python script

```python
1    import serial
2    ser = serial.Serial('COM26', baudrate=115200)
3    for i in range(10):
4        ser.write(chr(i).encode())
5        d = ser.read()
6        print(ord(d))
```

Change "COM26" with the name given to your serial port