Comparing laser drivers

Goal

Frederic's (need to get one), Thorlabs (we have one), O-eland (we have one, can buy another one anytime), from dealextreme (we have 3 pieces)

See task, see electronics activity cluster page, see Mosquito project page, see Trello card.

Members in charge

Jonathan, James...

Parameters to compare

Output signal: stability, noise, drift, warm-up time, ...

Method

Monitor the power.

In order to characterize ***noise*** we need a high speed acquisition system, in the MHz. Tibi will ask Photon etc.. We can also ask Dilson to use his DAQ card. Before that we can already start acquiring data for stability, drift and warm-up time.

Materials

- **Laser drivers**: Frederic's (need to get one), Thorlabs (we have one), O-eland (we have one, can buy another one anytime), from dealextreme (we have 3 pieces)
- **Power meter** : need to buy one ST terminated, to connect to lasers, which are also ST terminated.
- Acquisition system: need to decide on one.