1) **Lanch the WS:**
   Control → SPS beam measurements → SPS Wirescanner (the one with the chicken emoji)

2) **In the WS window**
   - **Select cycle**
     - In the cycles' display choose the green one.
       - Will the cycle name change throught the coast?
   - **Select WS**
     - We will use: 41677.V, 51637 .H
   - **Basic set up**
     - Bunch pattern 1
     - Set delays:
       - We want to measure at the early part of the cycle.
       - However, we need to wait 3 seconds after the beginning of the cycle before scanning!
         - IN: 3000 ms and OUT 3500 ms
     - PM voltage → we need to optimize when we have beam.
     - PM selection → PM all

   Note 1: The first time we set up the WS and press **"Scan"** it takes some time for it to charge. For the next 15 min, the charging is faster. After that, it needs again more time.
   Note 2: Every time we change the WS settings we need to press "**Set"**, such as they are updated.

3) **Create the parquet files**
   - Go to:
     /user/spsop/Hannes/2021/injectorrs-beam-monitoring/injectors_beam_monitoring/monitoring/sps
   - Do:
     . /user/spsop/Hannes/2021/seup_environment_c.sh
   - Open ipython
     - run record_bws.py

4) **Plot the emittance, linear fit and compute emittance growth**
   - /afs/cern.ch/work/n/natriant/public/WS_emit_vs_time_SPS_2021