Shift Worker

Always refers to : https://wiki.jlab.org/clas12-run/index.php/Run_Group_L#tab=Shift_Worker

At the End of each run :

1. Upload the **strip charts** (Beam current, Beam X-Position, Beam Y-Position, Halo Counters, Livetime, Data and Event rate) and (AHDC overview).
   a. Right click on the strip charts
   b. **Make Elog Entry**
   c. Change the title to **Strip charts** and **Strip charts (AHDC overview)**
   d. Un-click ELOG, click **HLOG**
   e. Submit
2. Upload the **clas12online** graphs.
   a. Go to the left down corner
   b. Click on the icon showing a **paper and a pencil**
   c. Submit

At the begin of each run :

1. Reset **mon12**, connect it to the ETring, wait to have enough statistics by doing the next stage 🔽)
2. Submit screenshots of the **Beamline overview** and the **Daq/Trigger overview**
   a. In the CS-Studio tool, click on **Tools/Log Entry**
   b. Take screenshot of the beamline overview and the Daq/Trigger overview (make sure that all trigger, from 0 to 31, appears in the screenshot)
3. Connect CED to the ETring
   a. Go to File
   b. Connect to ET ring
4. Reset **clas12online reconstruction**
   a. Abort the previous programs (Ctrl+C) if necessary
      i. clas12online
      ii. ~/CAOS/bin/start_hipo_et.sh
   b. Run **~/CAOS/bin/start_hipo_et.sh**, wait until the second window pops-up and shows : average evio rate is …
   c. In a/the second terminal, run **clas12online**
5. When you have enough statistics, upload the mon12 histograms
   a. Click on the button **Upload**, next to the Settings and Reset.
6. Compare the current mon12 histograms to the reference one and notice any change/issue to the shift expert.

Routine :

1. Be aware of the latest log entries in the Hall B logbook (HBLOG, HBRUN, HBALERT…)
2. Be aware of ALARMs. Ask the shift expert before Acknowledge them.

3. Reset

End of the shift :

1. Fill the shift checklist
   a. Ask questions to the shift expert if needed.
2. Reset and check mon12 histograms frequently, e.g each 1 h, during a run