Podd Analysis How To

- The Podd analysis is used for the Detector and PID replay that is done with the Hall-A Analyzer, as for other Hall A experiments.

- Log into `adaql4-adaql7` as adaq account. *(DO NOT PERFORM PODD ANALYSIS ON `adaql1, adaql2 and adaql3!!`)*

  At the shell prompt, type:

  ```
  > gopvdis
  > analyzer
  ```

  In analyzer, call:

  > .x do_all(<run number>)

  this will run all the replays and show the online GUI afterwards. The number of events to be replayed is 50000 by default. The rootfiles are saved in ./ROOTfiles/

  Alternatively, you can run specifically left or right arm only, In analyzer, call:

  >.x replay_L(<run number>)

  or

  >.x replay_L(<run number, #events>)

  Substitute "L" by "R" for Right arm replay.

  Number of events to be replayed is 20000 by default, and can be changed as shown above. The ROOTfiles are saved under the same ./ROOTfiles/ directory.

- Check histograms and strip charts of the prompted Online GUI with comparing the sample Podd Analysis plots. Should let shifter leader know if there is some strange deviation.