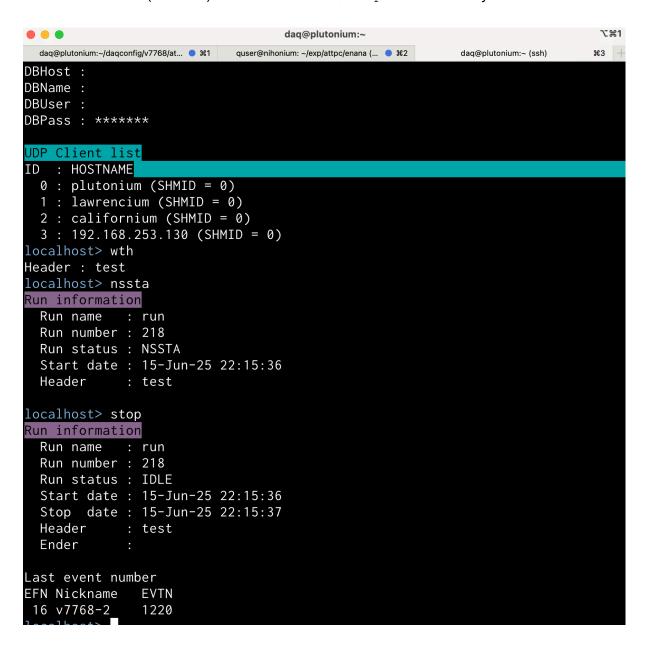
How to use EN DAQ

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For the routine start / stop

- 1. login to plutonium PC:
 - ssh -Y daq@plutonium (PW: rcnpdaq1)
- 2. type "babicon" to launch the DAQ program.
- 3. In the babicon program, type "wth" to make a title of the run.
- 4. Then, type "start" to start the run. You can stop the run by "stop" You can test the DAQ without saving data by "nssta" command (no save start).
- 5. The raw data (.ridf files) are stored in the ~/attpcdata directory.



How to change the trigger logic

- Access to this page: http://plutonium/~daq/webutil/GWTSDGTO/
 (From RCNP network only)
- 2. Press the "unlock" button and then choose the trigger inputs in the left column.
- 3. Press the "save" button.
- 4. Press the "unlock" button.
- 5. Note that only "busy1" should be selected in the right column. Never change this!!!

SDGTO11 (gto) **DAQ** stop Auto refresh Test LED Unlock AT-TPC mesh Busy 1 F2-Si F3-Si 10 Busy 2 F2 UD PPAC 11 Busy 3 F3 UD PPAC 12 Busy 4 F2PL 13 Bury 5 F3PL 14 Busy 6 15 Busy 7 1kHz clock 16 Busy 8 17 Busy 9 Check Busy 18 Busy 10 Monitor 19 Busy 11 Veto OR 20 Busy 12 Veto OR Busy 13 21 22 Busy 14 23 Busy 15 Busy 16named Save Reset

Initialization of the V1190 TDC module

When you reboot the VME crate, you must initialize the TDC module by following procedure:

- 1. From the plutonium PC, login to the VME controller by ssh root@v7768-2 (PW: rtlinux)
- 2. cd /home/daq/daqconfig/v7768/attpc/init/
- 3. ./v1190ini.sh

Troubleshooting

In case the DAQ seems to not working, please restart the DAQ processes:

- 1. Open the DAQ process manager page: http://plutonium/~daq/webutil/babipm.php (From RCNP network only)
- 2. Kill all of the processes on DAQ and V7768-2
- 3. On the DAQ column, start the processes "babinfo" \rightarrow "babild" \rightarrow "babissm" \rightarrow "babian"
- 4. On the V7768-2 column, start the process "babies"
- 5. In the babicon prompt, type "esconnect 16"
- 6. Then you should be able to run the DAQ.

babirl DAQ Process Manager

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□ all ☑ daq ☑ v7768-2	
Refresh Timeout 5 v s	
Server = daq	Server = v7768-2
Process PID Command Option EFN	Process PID Command Option EFN
babinfo 3520 KILL	babinfo RUN
babild 3526 KILL	babild 16
babies RUN -I v 1	babies 898 KILL
babissm 3533 KILL	babissm RUN
babian 6334 KILL	babian RUN
babiau 1	babiau RUN -lt v 16
REBOOT HALT INIT	REBOOT HALT INIT
Refresh	

If you still have a problem, don't hesitate to call me.