

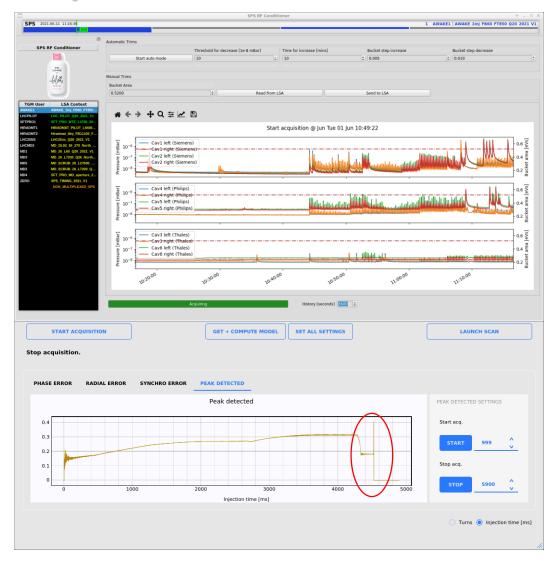
Beam commissioning planning





Status of Physics beams - AWAKE

- AWAKE cycle ready
- Beam intensities were still low at the moment ~
 1.4e11 ppb
- RF gymnastics set up on AWAKE
- Beams already sent to experiment for tests during BC
- One main limitation currently is the maximum cavity voltage we can ask for, as cavities are still far from full conditioning; trying to condition cavities, but this will take time;
- First AWAKE delivery foreseen for 21. July; initial period will also require further setting up, tuning and optimization of beam on our side;





Status of Physics beams - SFTPRO

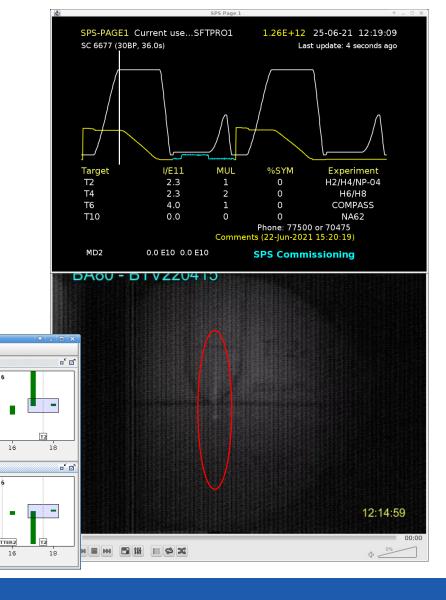
- SFTPRO cycle ready;
- Intensities up to 5e12 for the moment; already took 2 injections;
- Slow extraction (COSE), spill, 50 Hz correction all set up;
- Now steering to targets; this has proven difficult as instrumentation is not fully operational at all places (BSMs) – we are partially flying blind; access this morning by BI experts to investigate; this needs to be solved before we can finalize steering;

Need to coordinate with NA at the same time as steering

P 400.000 GeV/c - SC # 13358 - SPS.USER.SFTPR01 - 28/06/21 21-46-47

to targets is incompatible with access;

NA physics start on 12. July;





Status of Physics beams - SFTPRO

- HiRadMat cycle ready;
- Machine well scrubbed; limitations were mainly vacuum in different sectors and MKD; now still limited by MKD vacuum;
- Ramped up 4 injections of 72 bunches to 440 GeV; intensities being pushed towards 1.2e11 ppb at flat top;
- First HiRadMat experiment scheduled for 9. August;

