50 ns fills, 296 bunches, trains of 36 bunches: a lot easier

Smooth cycle
Excellent transmission
Peak lumi above 1e33!
~10h in StBe
Defensive approach:
72b $\rightarrow$ 48b & small reduction lb

72 b trains:
Beams unstable already at injection

Dump from QPS both with 72b (2 attempts) and 48b (1) “mitigated” by reducing bunch intensity
Summary of scrubbing qualification test:
Test 1:
- we used the same filling scheme as for the validation of the 08/08 and same settings (ADT gain, Q', octupoles)
- beam degradation was found to be much more severe
- heat load in the arc dipoles significantly higher, hinting that SEY could have increased since the scrubbing run (to be confirmed by offline analysis)

Test 2:
- we used the same filling scheme as on Saturday afternoon (when strong emittance blow up and losses were observed)
- beam lifetime and emittance preservation looked very good (for 25 ns beams) --> it seems that the SEY recovers quite quickly
- at the end of the fill we 'faked' a prepare ramp and we confirmed that lifetime gets significantly worse when tune feedback brings back the tunes
Fill #4239: B2V instability few minutes after DE-SQUEEZE, with 2 bunches (only...)
Fill #4257: seems very similar to 4254 (but no B2V instability during the squeeze) => Careful analyses of the differences still to be done.