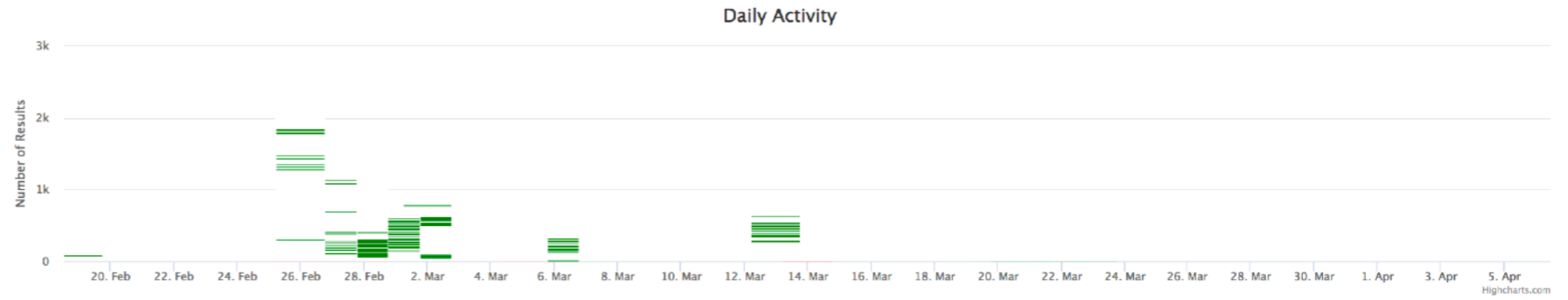
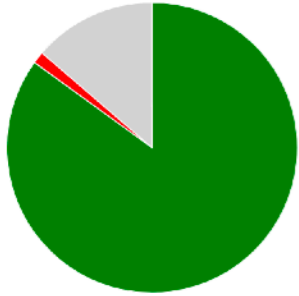


# SPS commissioning status



## Last Results

✓ 06-APR-18 10.46.59.592815 AM 🇮🇹 Francesco Maria Velotti  
 Group :MINI SCAN REFERENCES  
 Test: take mini scan references  
 Target: FT BEAM

✓ 06-APR-18 10.46.55.594689 AM 🇮🇹 Francesco Maria Velotti  
 Group :ZS ALIGNEMENT  
 Test: ZS alignment  
 Target: FT BEAM

✓ 06-APR-18 10.46.51.747123 AM 🇮🇹 Francesco Maria Velotti  
 Group :PARAMETERS TEST  
 Test: steer beam on targets  
 Target: FT BEAM

✓ 06-APR-18 10.46.50.773876 AM 🇮🇹 Francesco Maria Velotti  
 Group :PARAMETERS TEST  
 Test: Test different SX parameters  
 Target: FT BEAM

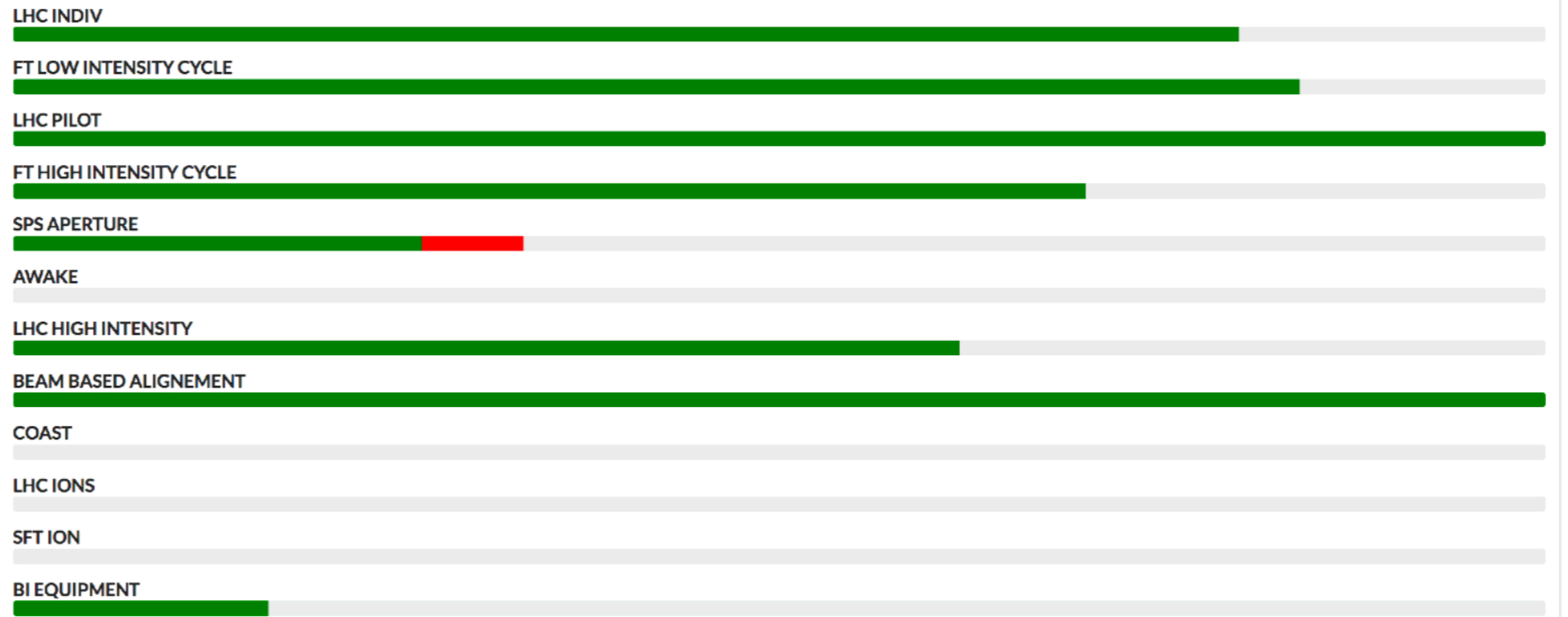
✓ 06-APR-18 10.44.59.131013 AM 🇮🇹 Francesco Maria Velotti  
 Group :CALIBRATION  
 Test: calibrate with bump  
 Target: LHC INDIV

+ Show more

## BEAM COMMISSIONING

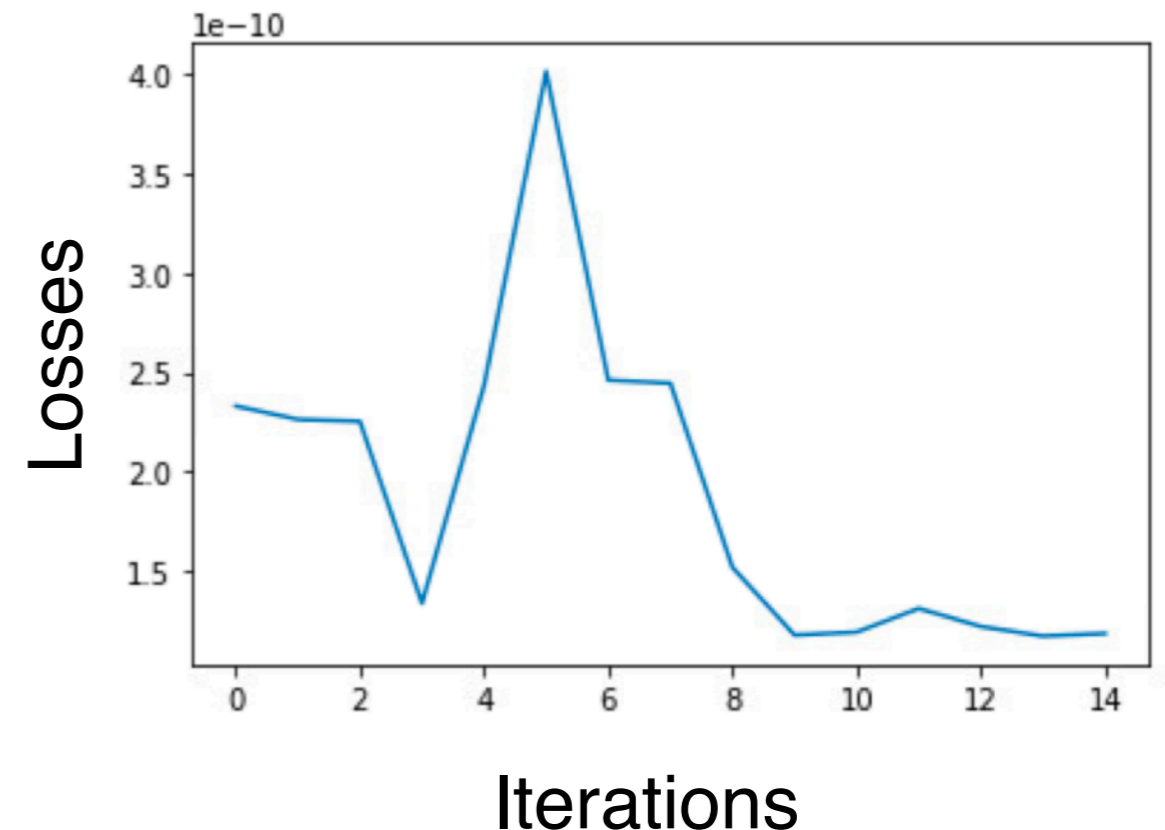
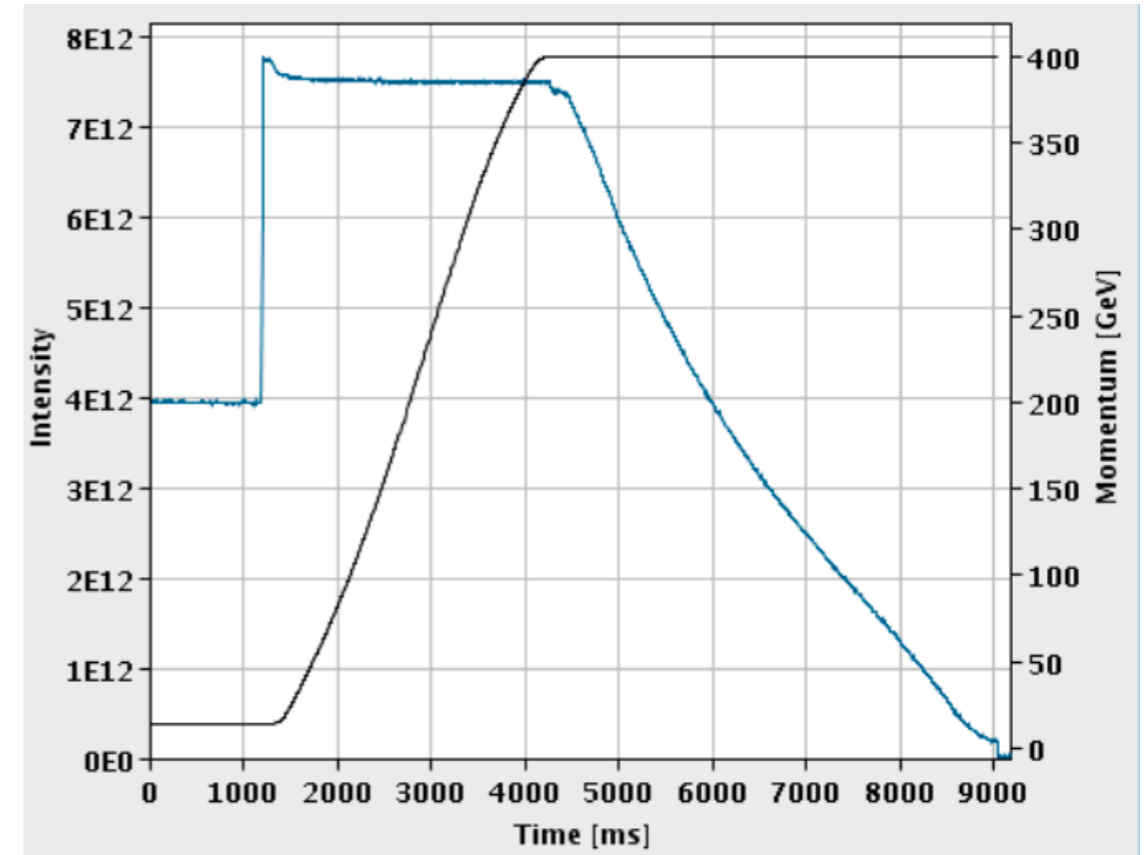
**121** PASSED    **1** FAILED    **78** TO DO

### Children Groups

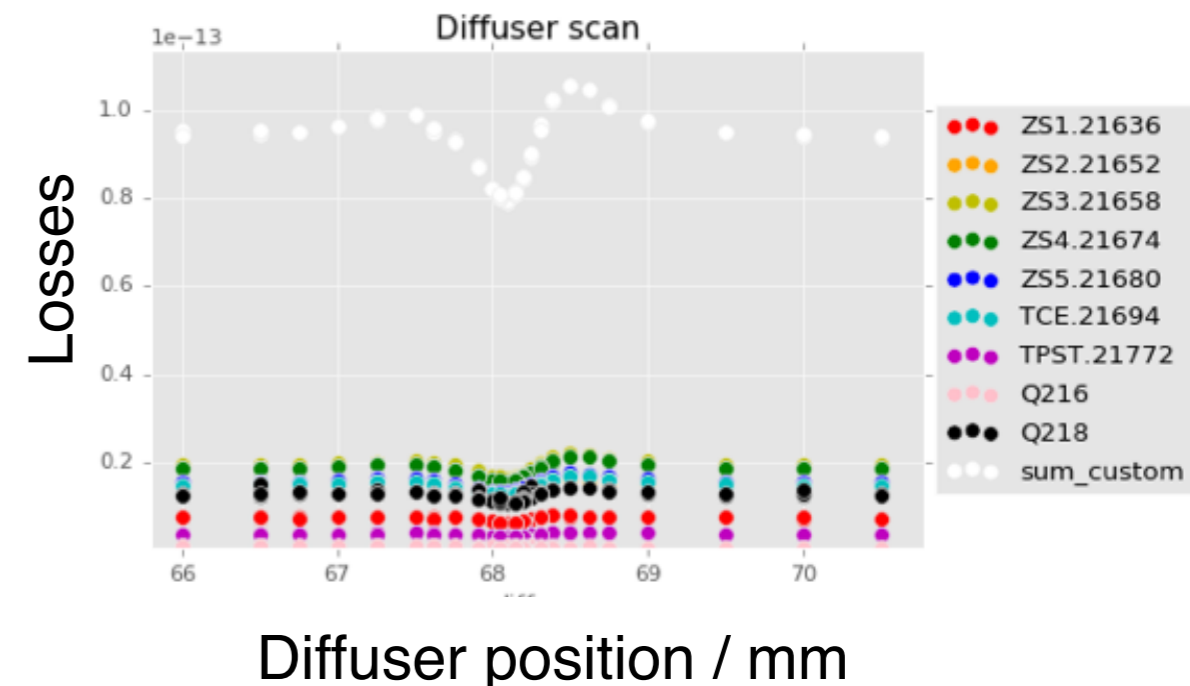
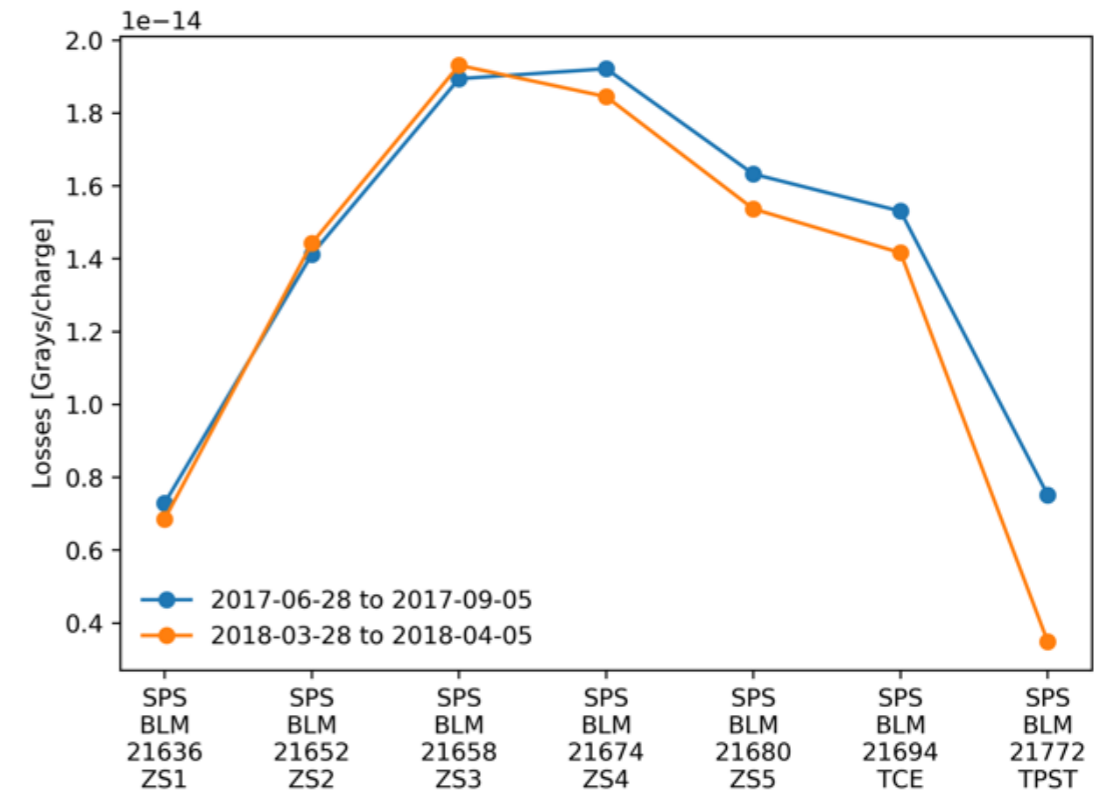


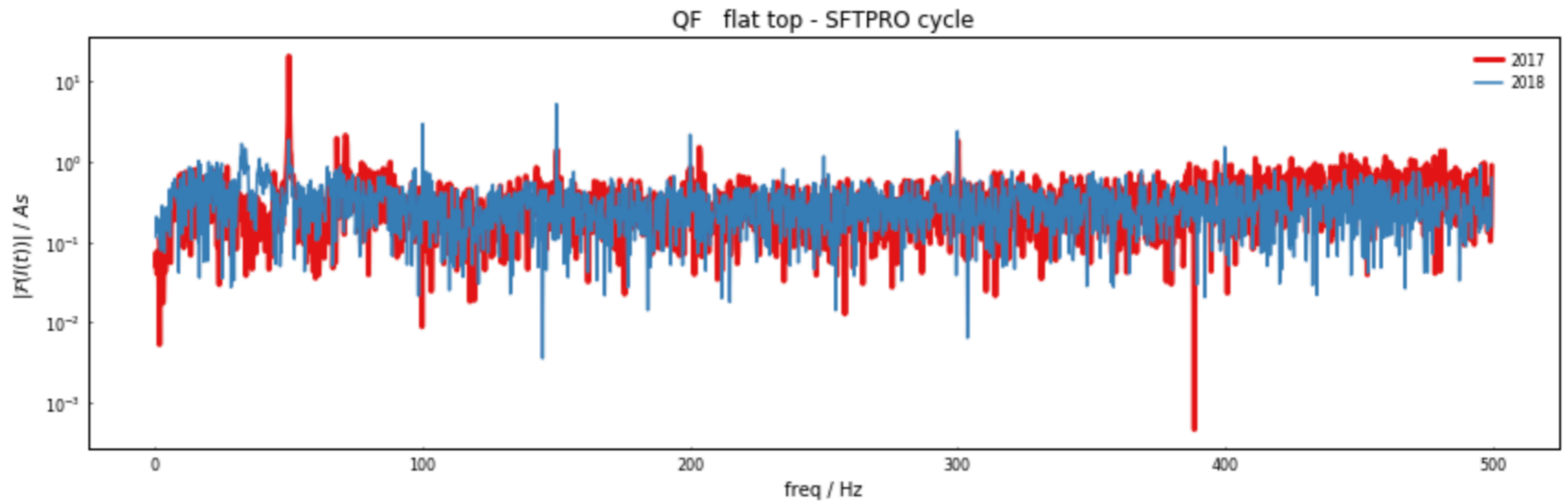
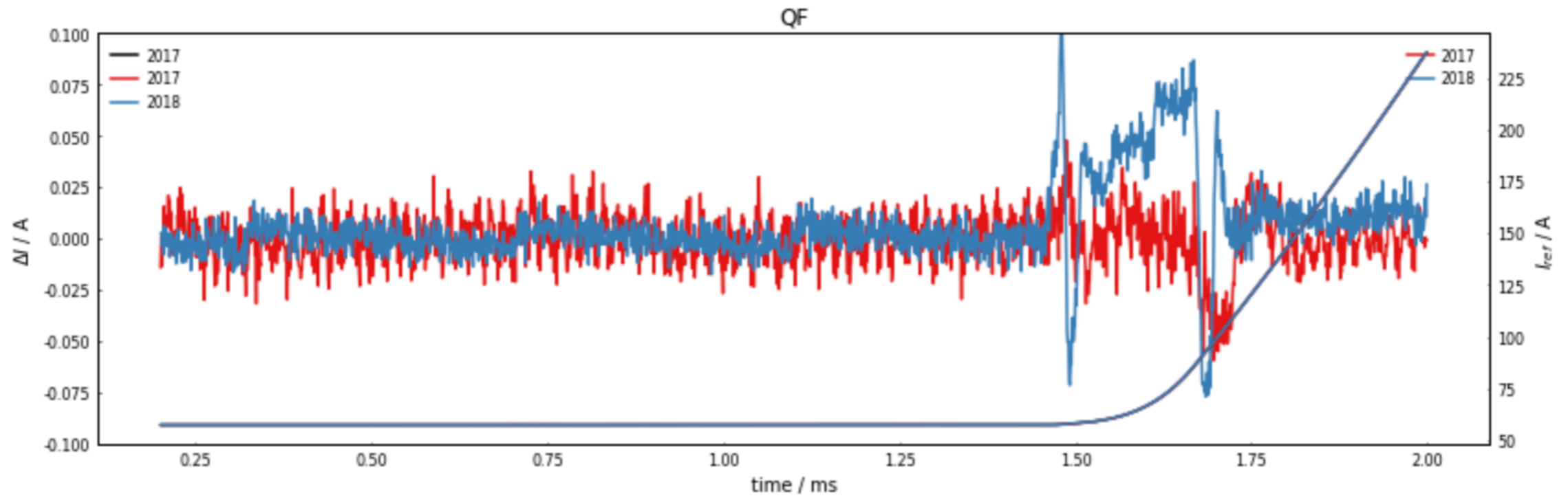
# SFTPRO

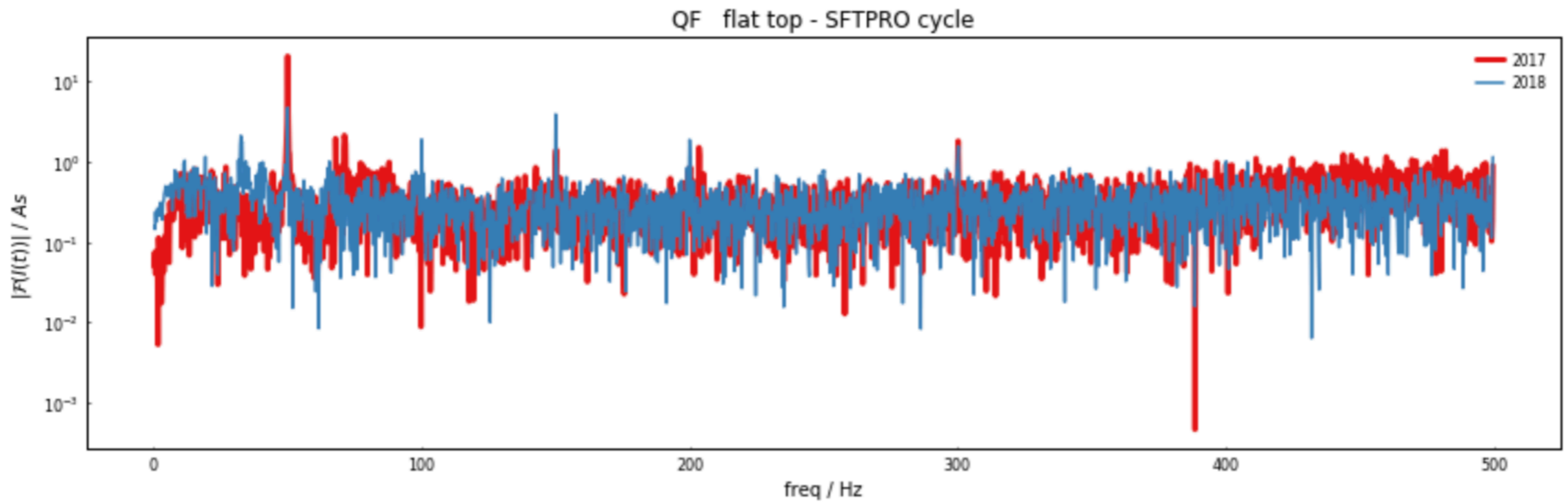
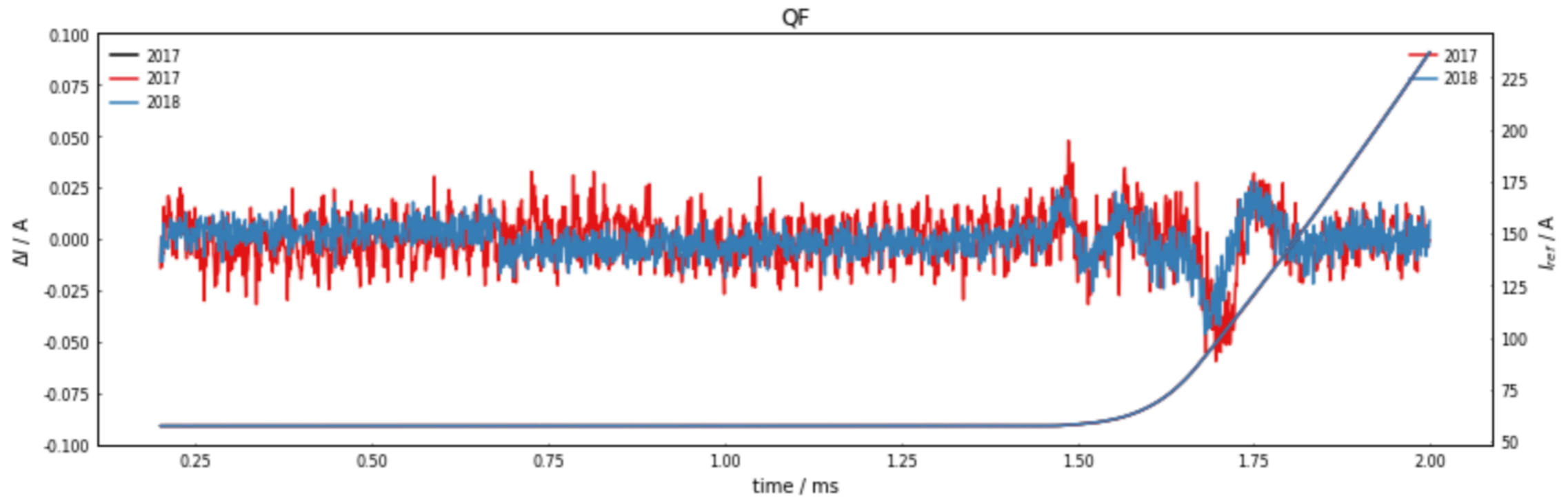
- Last days optimisation brought the transmission to ~98%!
- A few changes in the regulation of the QF to try to optimise the spill frequency content - still ongoing...
  - ↳ Now the tracking seems better than at the beginning of the year - more similar to last year
  - ↳ At first glance, the 50 Hz seems to be reduced too...
- ZS aligned bring losses to be a bit lower than last year
  - ↳ Diffuser tested as well - very promising first results (losses down of about 15%)!
  - ↳ Very preliminary automatic ZS scan tested with girder (1 degree of freedom) => promising results here too!



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# LHC beams

→ Cycles being setting up:

- ↳ PILOT => being heavily used by LHC for their setting up
- ↳ INDIV long cycle
- ↳ LHC25NS (standard) - 3 batches at flat top
- ↳ HiRadMat being set up in parallel with LHC25NS
- ↳ BCMS on INDIV taken for now for tune, orbit and chroma setting up

