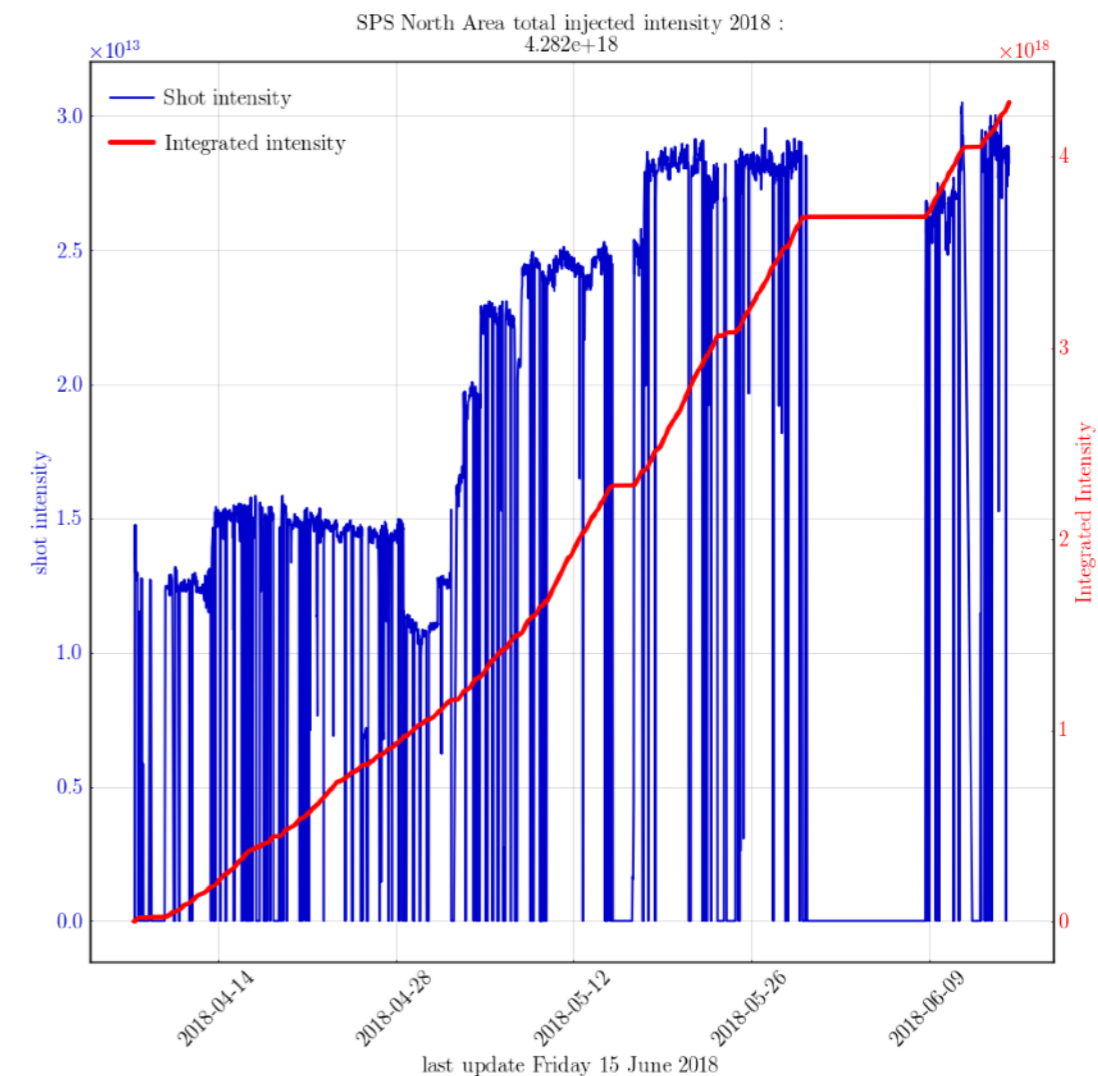


# SPS Week 24

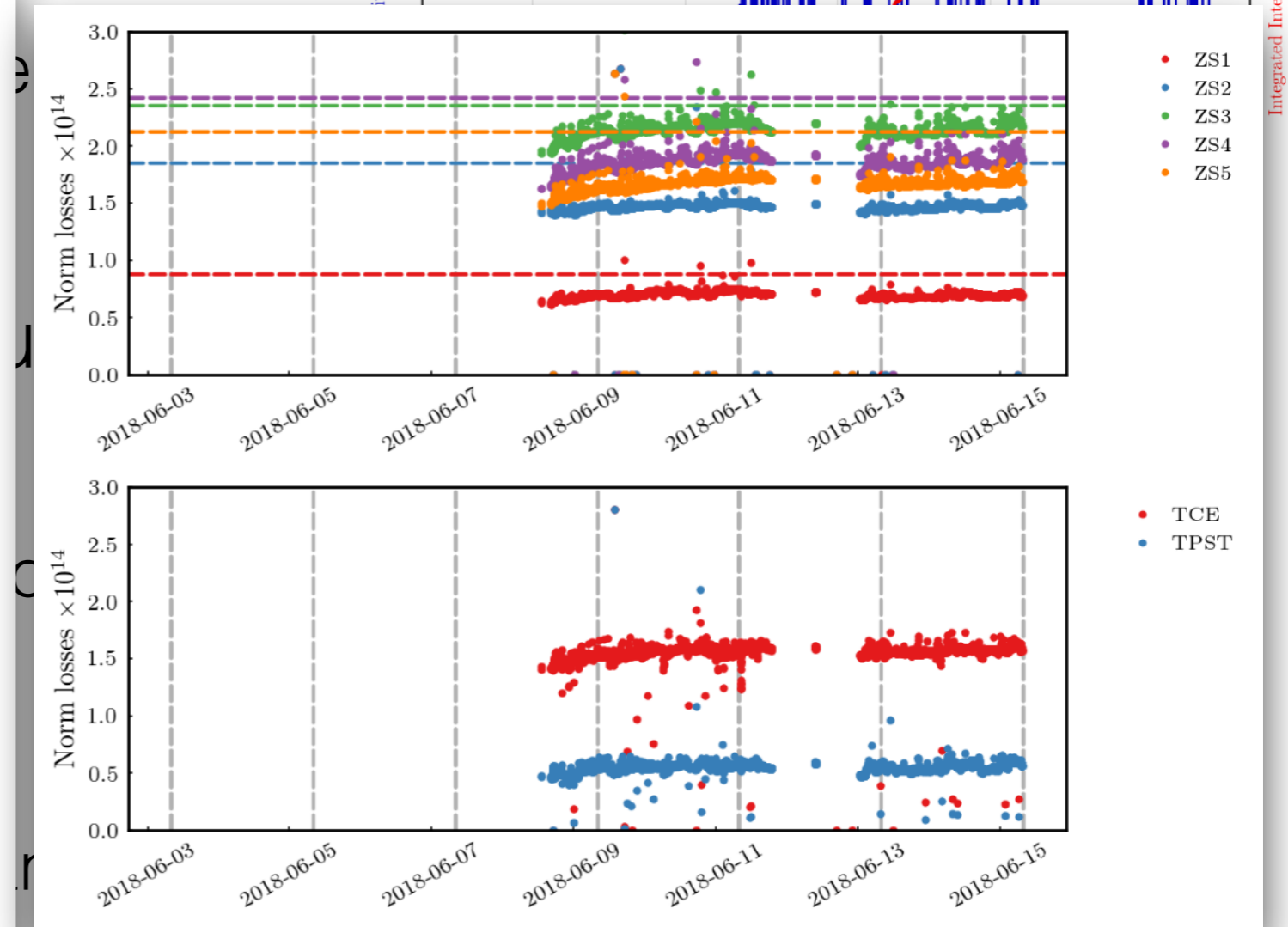
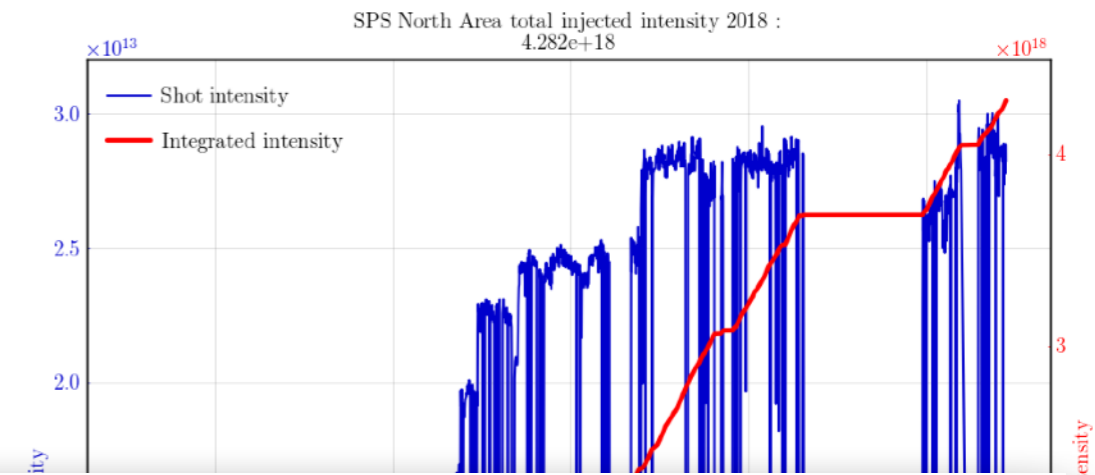
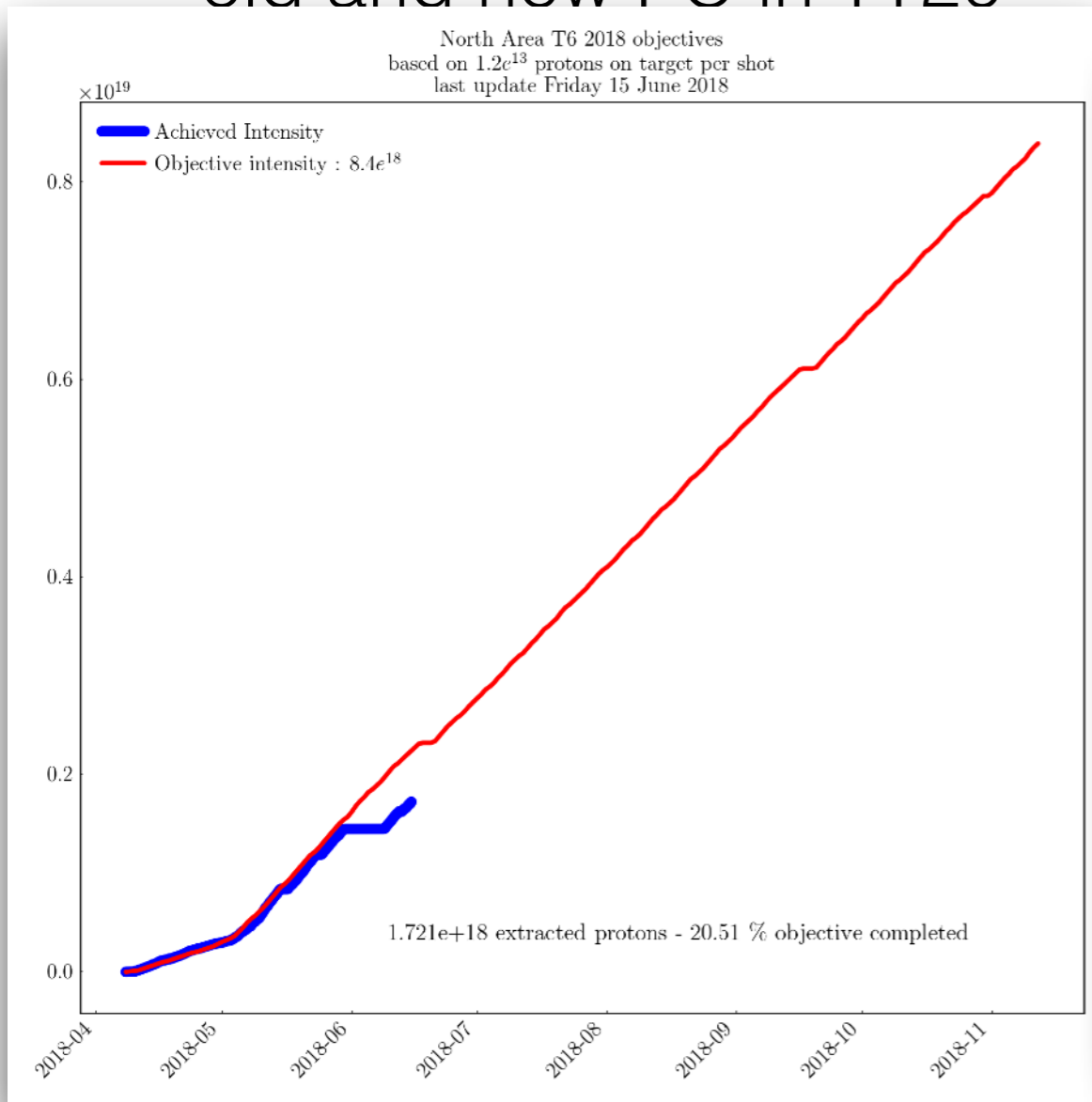
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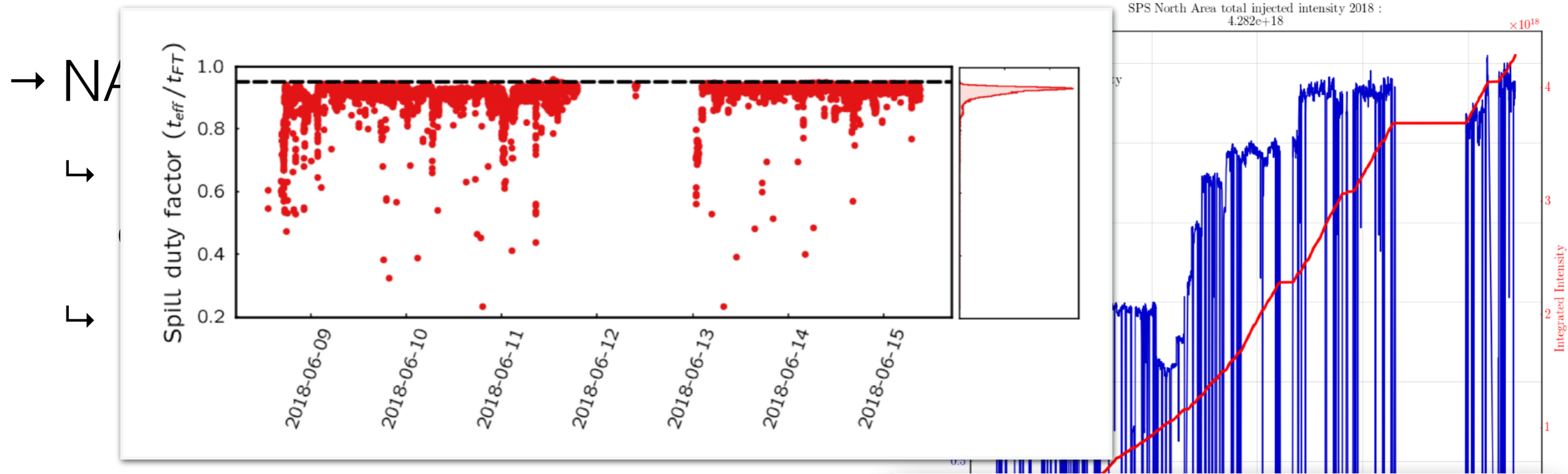
- NA physics back Friday 8th
  - ↳ No differences observed between old and new PC in TT20
  - ↳ Back to physics shortly after the restart
  
- ZS4 vacuum constantly under control
  - ↳ Plan to prepare a solution to improve pumping of the feedthrough volume during TS
  - ↳ Spark activity being constantly monitored - new SIS interlock



→ NA physics back Friday 8th

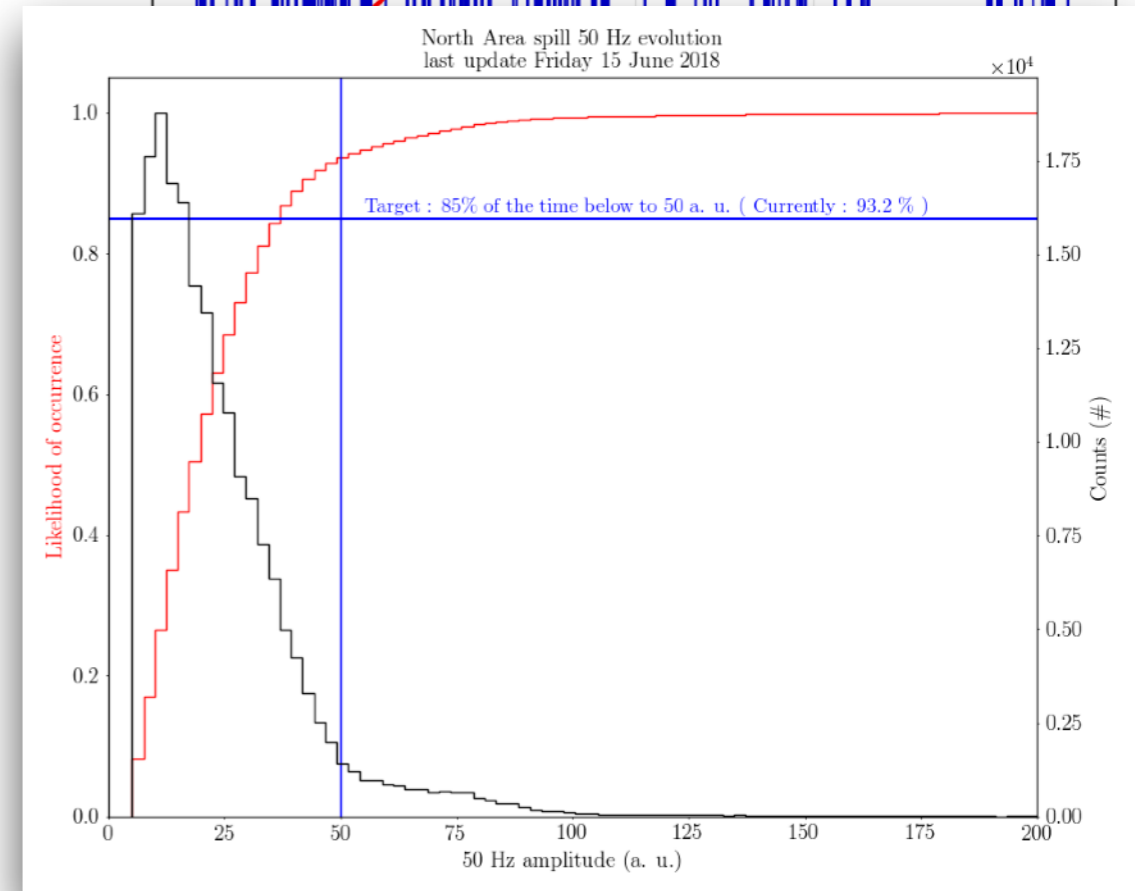
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→ ZS4 vacuum constantly under control

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- ↳ Spark activity being constantly monitored - new SIS interlock



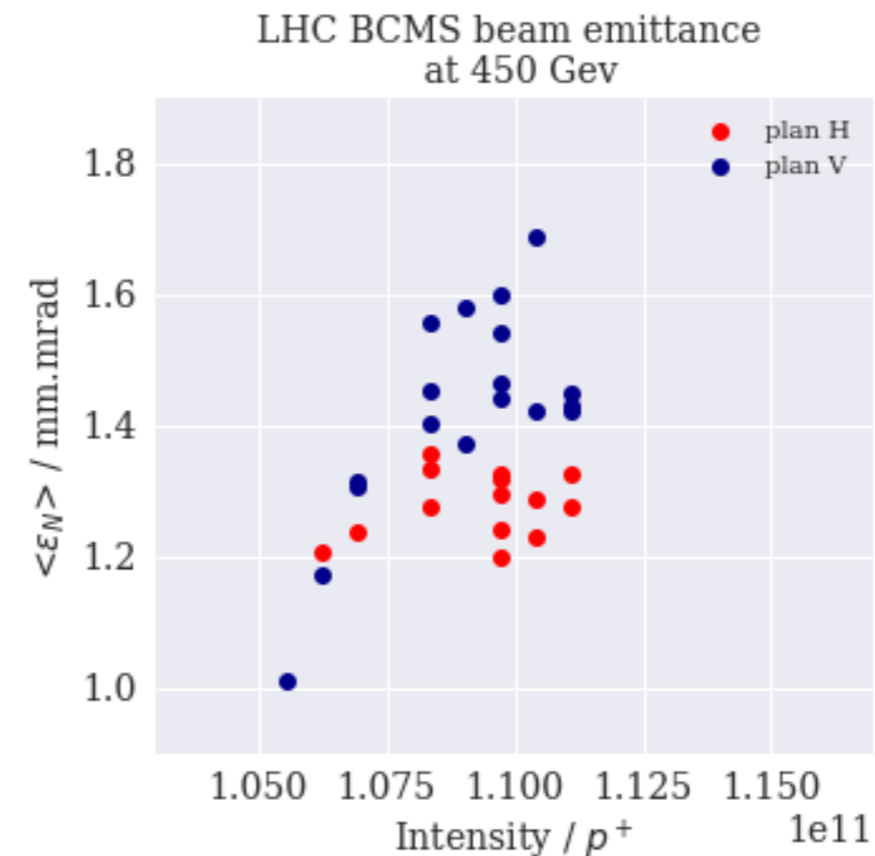
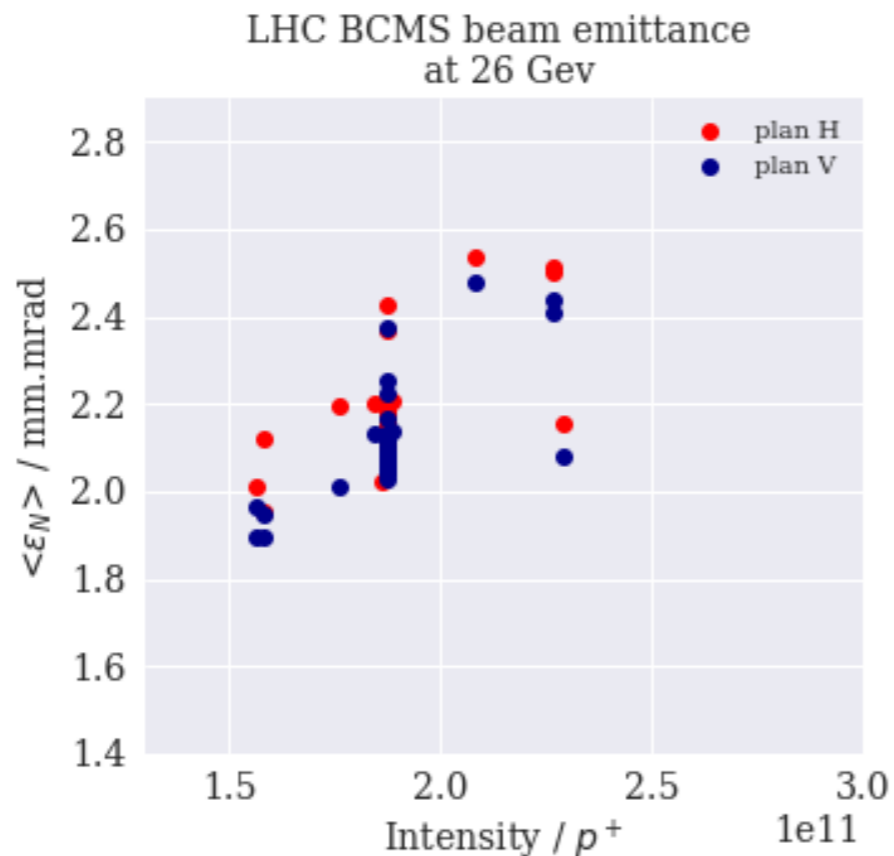
# LHC Beams

→ LHC MD week

- ↳ A few “special” beams prepared...and some also actually delivered to the LHC
- ↳ Beam parameters as requested

→ LHC operational beam

- ↳ Scrubbing over the weekend showed emittance blow-up improvements after ~12h on high intensity beam
- ↳ Tentatives to reproduce FT instability unsuccessful
  - ▶ Tried to radial steer the beam at flat top (simulation of LHC re-phasing)
  - ▶ Reduced chroma as the 2 events observed



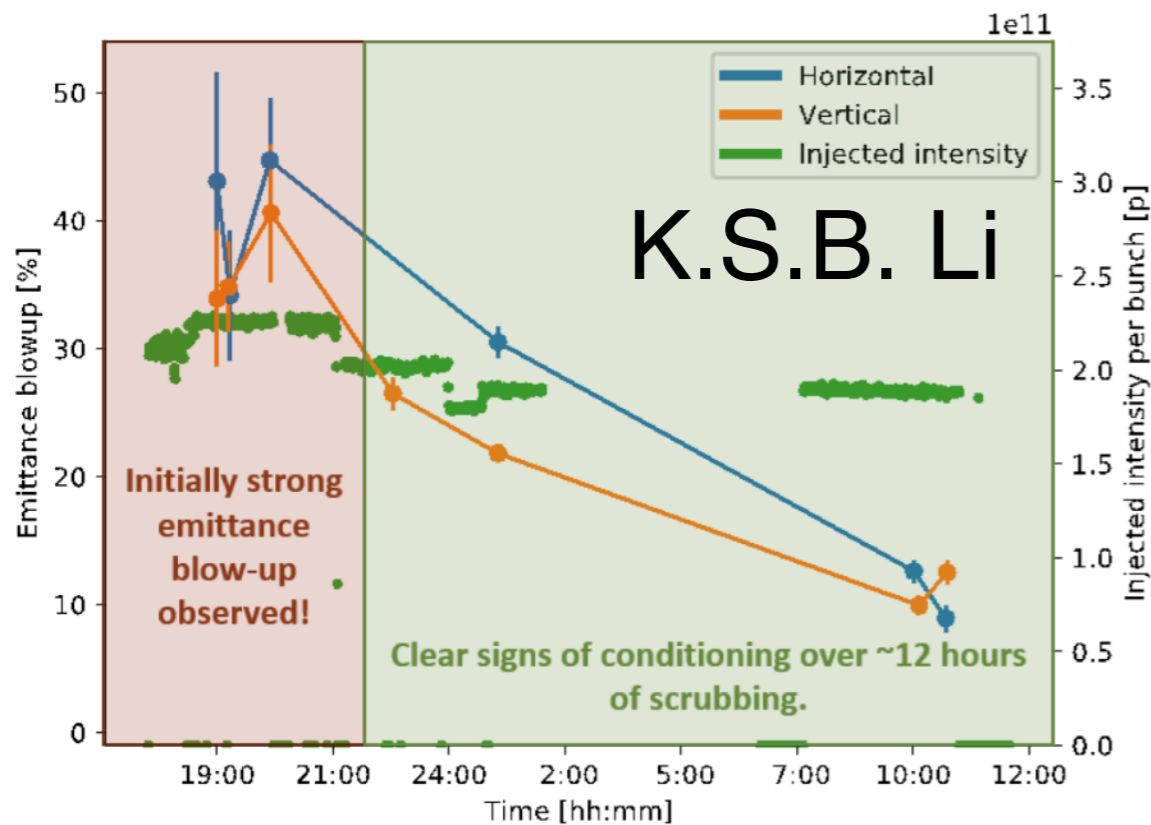
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# Others

- 100 ns beam for LHC special run taken
  - ↳ It needs to be checked just before using it
  
- 50 ns beam for special run to be tested - never seen yet this year...
  
- LHC ion beam being prepared
  - ↳ Accelerated up to FT
  
- Partially stripped ion MD
  - ↳ Both 81+ and 80+ reached the TBSJ...no circulation in the SPS though

