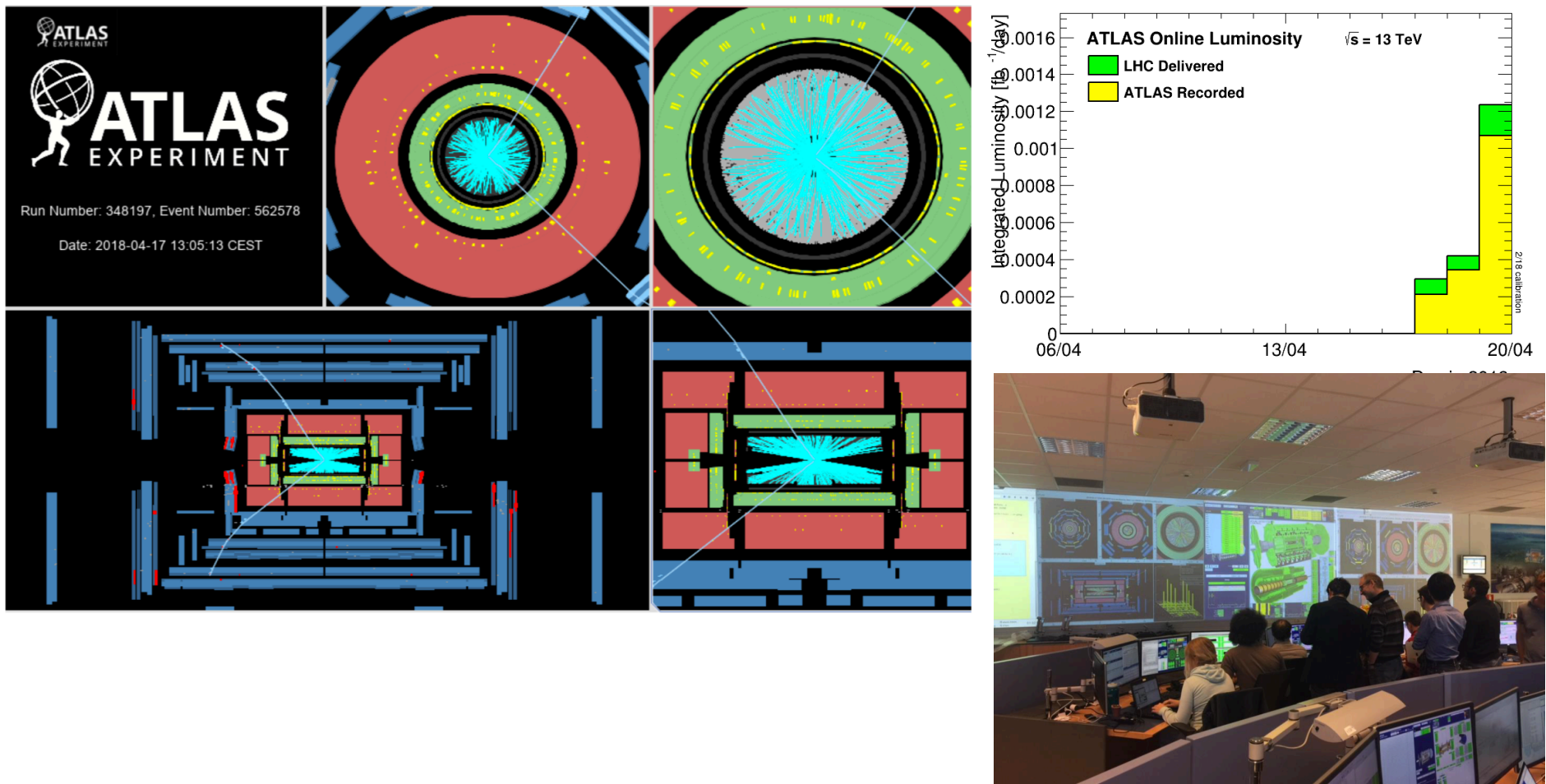
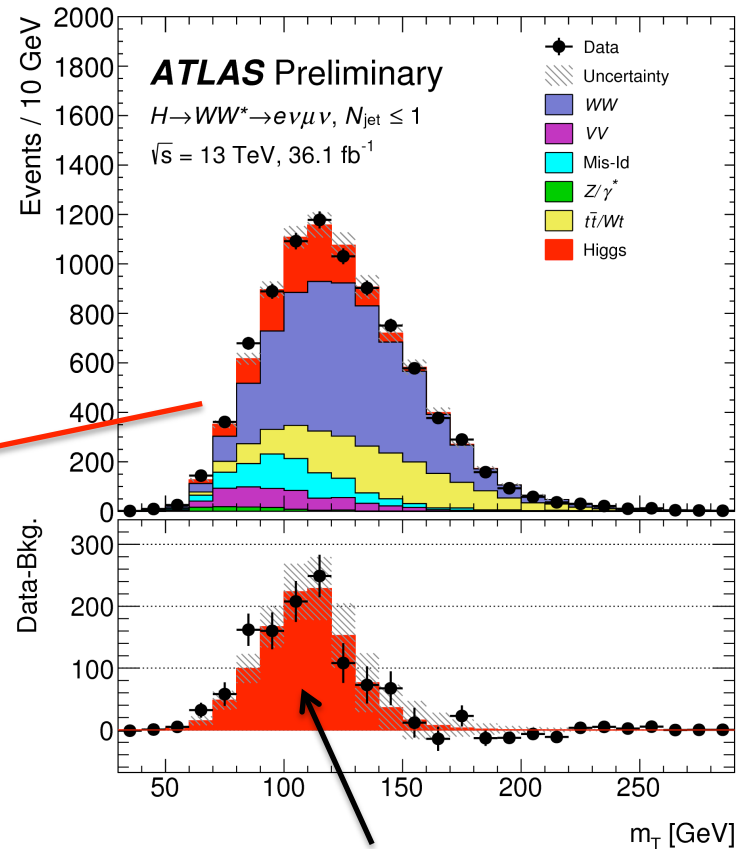
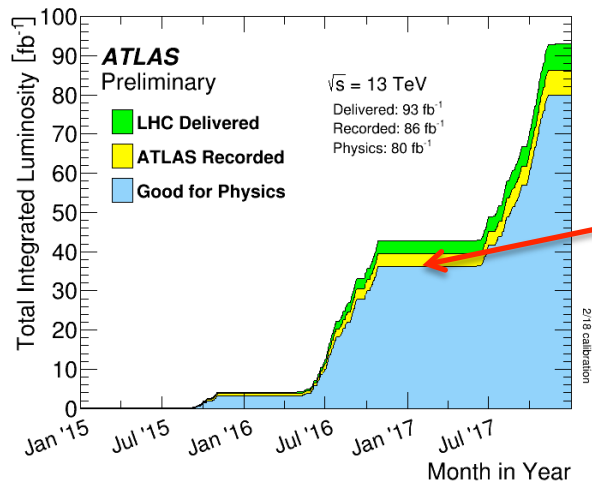
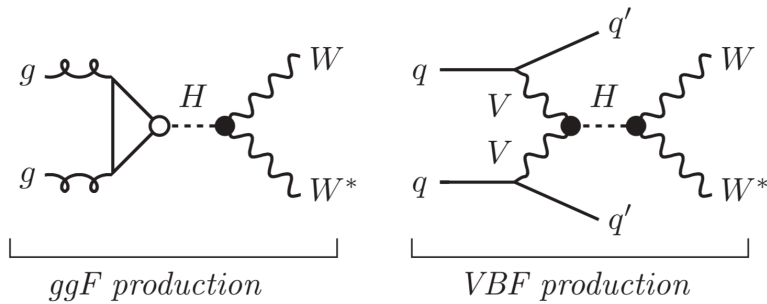


# ATLAS– start of 2018 LHC run

First collisions with stable beams in ATLAS since Tuesday afternoon this week



# ATLAS – $H \rightarrow WW$ precision measurements



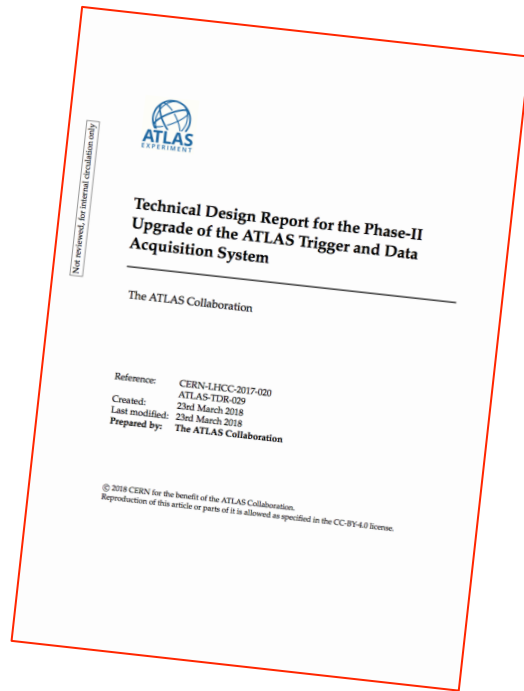
About 1000  $ggF \rightarrow H \rightarrow WW$  decays observed

(at end of this year  $\sim 3x$  more data)

10% stat      15% syst

$$\mu_{ggF} = 1.21_{-0.11}^{+0.12} (\text{stat.})_{-0.17}^{+0.18} (\text{syst.}) = 1.21_{-0.21}^{+0.22}$$

$$\mu_{VBF} = 0.62_{-0.28}^{+0.30} (\text{stat.}) \pm 0.22 (\text{syst.}) = 0.62_{-0.36}^{+0.37}$$



# ATLAS - Upgrade

Technical design report for Phase II upgrade of Trigger & DAQ approved by LHCC & CB

Main contribution of Nikhef

→ Felix system

→ Nikolina Illic (RU Nijmegen) starting this week

