



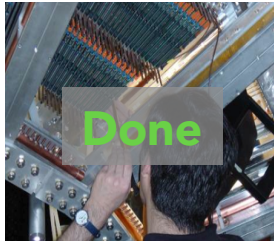
TPC activities in SXL2

29 March 2019

Christian Lippmann



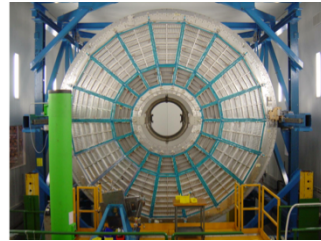
TPC upgrade sequence



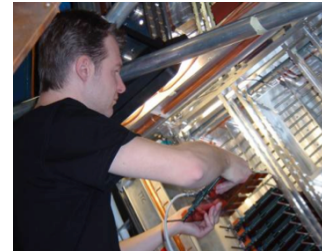
Remove Services and FEE outside cleanroom



Remove ROC



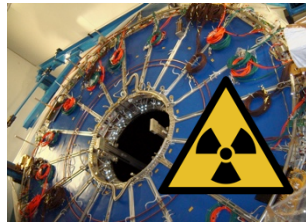
Survey, sealing, overpressure test



Install new FEC + test



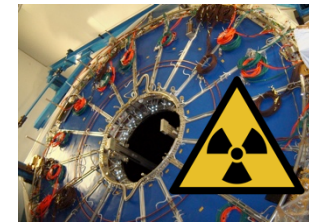
TPC ready for transportation



TPC in cleanroom. Irradiation tests



Install new ROC



Precommissioning with comsic, Laser, pulser, Xray

7 Mar '19

11 Apr

25 Apr (A)
27 Jun (C)

13 May (A)
10 Jul (C)

28 May – 17 Jun (A)
23 Jul – 8 Aug (C)

11 Sep (A)
26 Sep (C)

10 Oct (A)
14 Nov (C)
19 Dec (Xray)

4 Feb '20

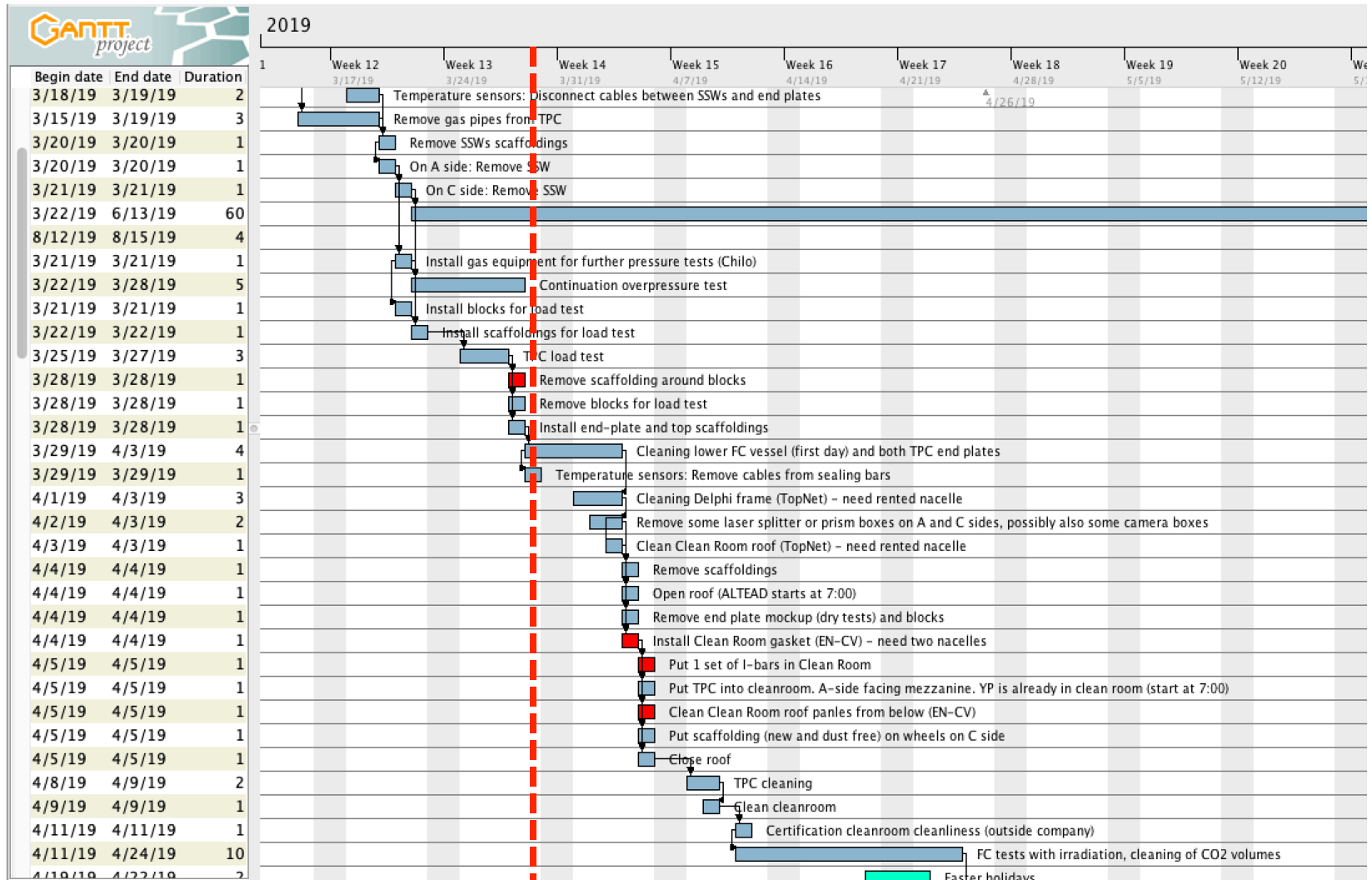


Status

- **TPC load test with dummy ITS**
- **End plate scaffoldings installed (for cleaning)**
- **SSW upgrade started**
- **Next:**
 - TPC cleaning
 - Clean up T sensor cables on end plates
 - Remove some laser boxes



Upgrade sequence in Mar – Apr





Planning – week 13

Week 13 (25 – 31 Mar)

- **Mon – Wed: TPC load test (new ITS, 450 kg)**
- **Thu: Remove blocks and scaffoldings for load test**
- **Fri: Install scaffolding for end plate cleaning**
- **Fri: Removal of T sensor cables from sealing bars**
- **Starting on Fri (29 Mar): TPC cleaning**
 - **Fri: Cleaning lower FC vessel**
 - **Sat/Sun: Cleaning 2 end plates**

Bonn

Bonn

SSW modification



SSW modification started





Planning – week 14

Week 14 (1 – 7 Apr)

- **Mon: Cleaning of ROC covers** **TopNet (external company)**
- **Mon – Wed: Delphi Frame cleaning** **TopNet (external company)**
- **Wed: Clean CR roof** **TopNet (external company)**
- **Tue (afternoon) – Wed: Laser boxes removal**
- **Thu: Remove scaffoldings**
- **Thu: Open roof, prepare CR**
- **Fri: TPC into CR**

TPC cleaning inside clean room:

- **Sat, Sun, (Mon): Cleaning TPC inside CR** **Bonn**

SSW modification



Planning – week 15

Week 15 (8 – 14 Apr)

- **Mon: TPC cleaning**
- **Tue: CR cleaning**
- **Thu: CR certification**
- **Thu/Fri: Start FC tests**

Bonn

Dosim (external company)

SSW modification



More



SSW gliders

