

TPC activities in SXL2

29 March 2019

Christian Lippmann



TPC upgrade sequence



Remove Services and FEE outside cleanroom



Remove ROC



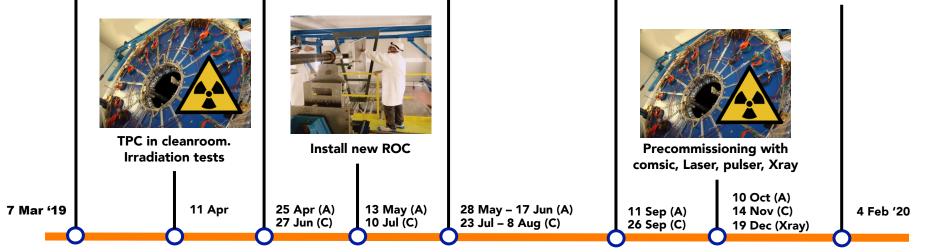
Survey, sealing, overpressure test



Install new FEC + test



TPC ready for transportation







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

Upgrade sequence in Mar – Apr

GANTT.	2019	
2.5	1 Week 12 Week 13 Week 14 Week 15 Week 16 Week 17 Week 18 Week 19 Week 20	w
Begin date End date Duration 3/18/19 3/19/19	n 3/17/19 3/24/19 3/31/19 4/7/19 4/14/19 4/21/19 4/28/19 5/5/19 5/12/19 2 Temperature sensors: Disconnect cables between SSWs and end plates 4/26/19 5/5/19 5/12/19	5/
	3 Remove gas pipes from TPC	
3/20/19 3/20/19	1 Remove SSWs scaffo dings	
3/20/19 3/20/19	1 Dh On A side: Remove SW	_
3/21/19 3/21/19	1 On C side: Remove SSW	_
3/22/19 6/13/19 6		
8/12/19 8/15/19	4	
3/21/19 3/21/19	1 Install gas equipment for further pressure tests (Chilo)	
3/22/19 3/28/19	5 Continuation overpressure test	
3/21/19 3/21/19	1 Install blocks for toad test	
3/22/19 3/22/19	1 Install scaffolongs for load test	
3/25/19 3/27/19	3 T C load test	
3/28/19 3/28/19	Remove scaffolding around blocks	
3/28/19 3/28/19	1 Remove blocks for load test	
3/28/19 3/28/19	1 Install end-plate and top scaffoldings	
3/29/19 4/3/19	Cleaning lower FC vessel (first day) and both TPC end plates	
3/29/19 3/29/19	1 Temperature sensors: Remove cables from sealing bars	
4/1/19 4/3/19	Cleaning Delphi frame (TopNet) - need rented nacelle	
4/2/19 4/3/19	2 Remove some laser splitter or prism boxes on A and C sides, possibly also some camera boxes	
4/3/19 4/3/19	1 Clean Clean Room roof (TopNet) - need rented nacelle	
4/4/19 4/4/19	1 Remove scaffoldings	
4/4/19 4/4/19	1 Open roof (ALTEAD starts at 7:00)	
4/4/19 4/4/19	Remove end plate mockup (dry tests) and blocks	
4/4/19 4/4/19	1 Install Clean Room gasket (EN-CV) - need two nacelles	
4/5/19 4/5/19	Put 1 set of I-bars in Clean Room	
4/5/19 4/5/19	1 Put TPC into cleanroom. A-side facing mezzanine. YP is already in clean room (start at 7:00)	
4/5/19 4/5/19	Clean Clean Room roof panles from below (EN-CV)	
4/5/19 4/5/19	Put scaffolding (new and dust free) on wheels on C side	
4/5/19 4/5/19	Close roof	
4/8/19 4/9/19	2 TPC cleaning	
4/9/19 4/9/19	1 Glean cleanroom	
4/11/19 4/11/19	1 Certification cleanroom cleanliness (outside company)	
4/11/19 4/24/19 1	C FC tests with irradiation, cleaning of CO2 volumes	



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
 Bonn
 - Sat/Sun: Cleaning 2 end plates
 Bonn

SSW modification



SSW modification started





Planning – week 14

Week 14 (1 – 7 Apr)

- Mon: Cleaning of ROC covers
- Mon Wed: Delphi Frame cleaning
- Wed: Clean CR roof
- 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

TopNet (external company) TopNet (external company) TopNet (external company)

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

