TE-VSC activities and status

Jose A. Ferreira Somoza
New vacuum chamber. Ready for C2 and start production

In stock

New vacuum chamber. Job open waiting design

In stock

In stock
BT line

- In production
  - BE-BI (reminder)

- In stock
  - Magnet to upgrade:
    - BT.DVT/BVT10: New chambers for BT.BVT10: PSBIVC__0140
    - BT.BVT20
    - BT.QNO40: New chamber
    - BT.QNO50: New chamber
    - BT.BHZ10: New chamber: PS_VCBCB0112

- Exchange the manifold support

ECR: Modifications to the Booster extraction main unit and BT1/4.BVT10, BT2/3.DVT10 (up to the BPMs)

ECR: Relocation of BT2.BTV10 and BT3.BTV10 (1494819) Installation of Up, PSB, Septa BT.SMV10 (BT1 and BT4) (1459318)

ECR: Replace kicker BT.KFA10 (1955039)
BTM line

LIU Changes – Booster Transfer Measurement (BTM) Line

Current line layout

LS2 line layout

In stock

In stock

In stock

9/25/2018
BTP line

LIU Change

Current line layout

LS2 line layout

Magnets to upgrade:
- BTP.QN10
- BTP.QN20
- BTP.QN30
- BTP.QN40
- BTP.QN50
- BTP.QN60
- BTP.QN70 (new)

Possible gap between PU and next chamber

In production
Summary of transfer lines

- Stock of bellows and flanges. 316LN sheet ordered in May but not yet received. Bellows arriving in November

- **BI line.** All chambers in stock except:
  - Last modification to add a new pick-up
  - Two modifications to decouple alignment of quads and BI.DIS (not strictly required)

- **BT line.** All chambers in stock except:
  - BT.BVT10 (modification of BHZ151)
  - Chambers for new quads

- **BTM line.** Everything in stock

- **BTP line.** Everything under production. Some issues linked to integration to be followed. ECR?
PSB ring

- Injection area: Everything in stock
- Extraction area (BHZ151). ECR sent for approval. In production, corrugated chambers already in metrology
- FWS vacuum chambers for layout modification in production
- Finemet cavities: Some chambers under production (flange non conformity). One missing support under production
- Replacement chambers for period 6 and 10 under production
Preparation

Schematic layouts with TE-VSC involvement

Procedures

Inventories

Planning
EVM

- Review this Thursday
- Budget dominated by EN-MME jobs
Conclusion

- No showstoppers detected (yet)
- Some difficulties with the integration of different lines
- Mechanical assembly drawings → Budget allocated might be short. TE-VSC will continue producing these drawings (while budget available). No clear responsibility for the production of 3D models of old lines