BHZN151 vacuum chambers

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BH15

- Project baseline reuse old vacuum chambers:
  2 new vacuum chambers (paid by LIU) and 3 old spares (old BHZ151 configuration) → Operational spares old vacuum chambers

- New set of drawings → EN-MME found the magnet aperture has been reduced
BHZN151

• New set of drawings to order new vacuum chambers

➤ Impossible to use same supporting system (not included in integration model).
➤ Concerns about how to install BSW magnets
BHZ151
BHZ151 Proposal

- Same Inconel chamber inside bending like BHZ11 and BHZ162 (share spares and tooling)
- Split BSW and BHZ chamber if possible
- Simplify supporting (similar to BHZ162)
- Modifications of BT.BVT10 chambers
Modification of covers to let space for clamp
BT1.BVT10, BT4.BVT10 old configuration
Bellows moved to extraction chamber

Modification of pick-up transitions
BHZ151: draft proposals

Spare chambers
- 2 + 2 spares dipole chambers (30kCHF/p)
- 4 + 2 spares BSW chambers (20kCHF/p)
- 4 + 2 extraction chambers (15 kCHF/p)

Cost: 330 kCHF

Spare BHZ151 unit
- 2 + 4 spares dipole chambers (30kCHF/p)
- 4 + 4 spares BSW chambers (20kCHF/p)
- 4 + 4 extraction chambers (15 kCHF/p)

Cost: 460 kCHF