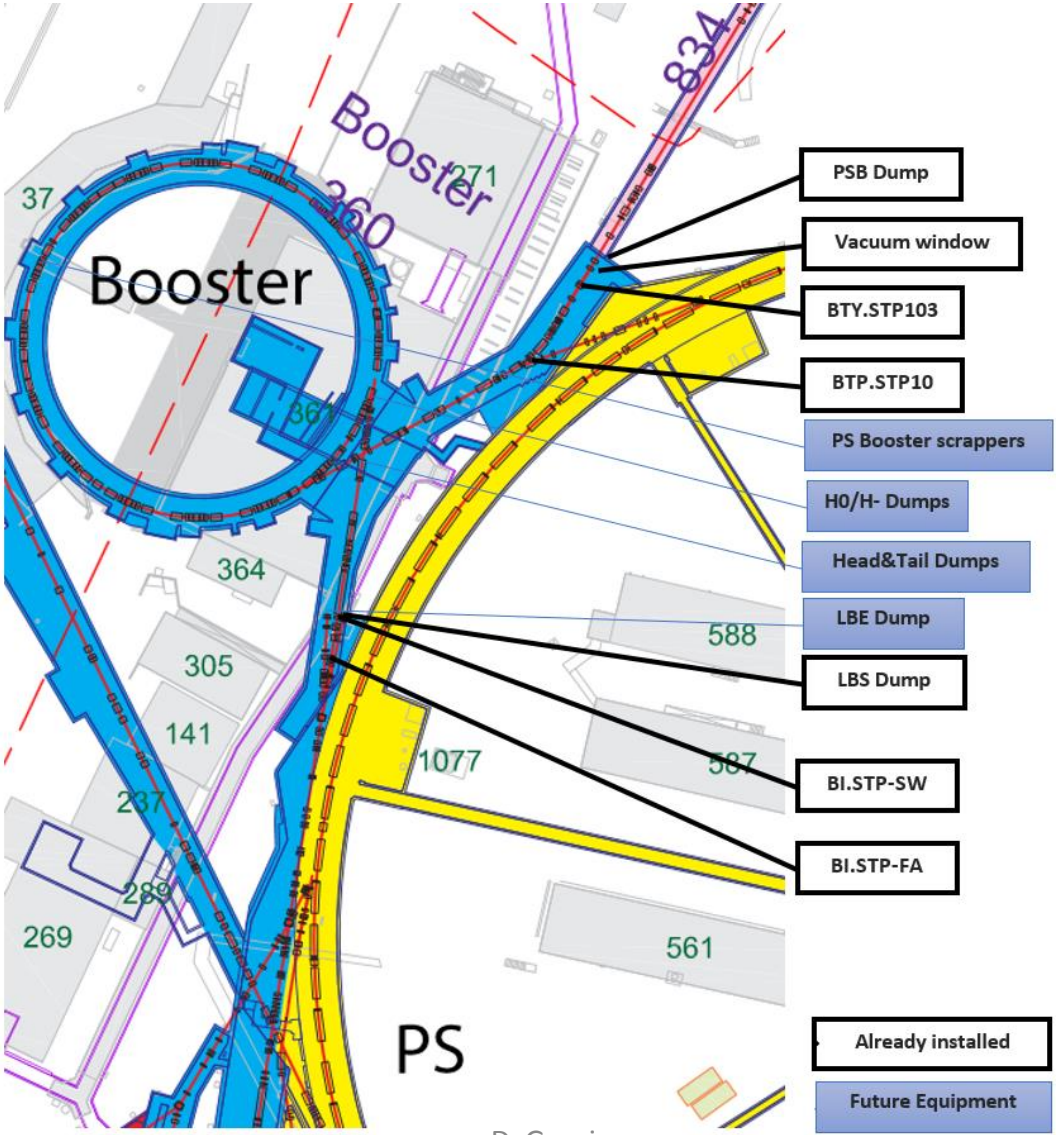
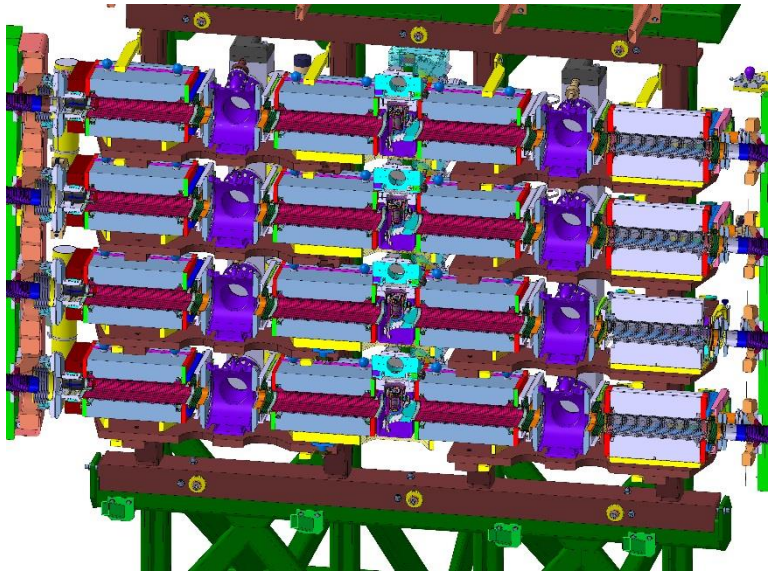
PSB-LIU Intercepting devices

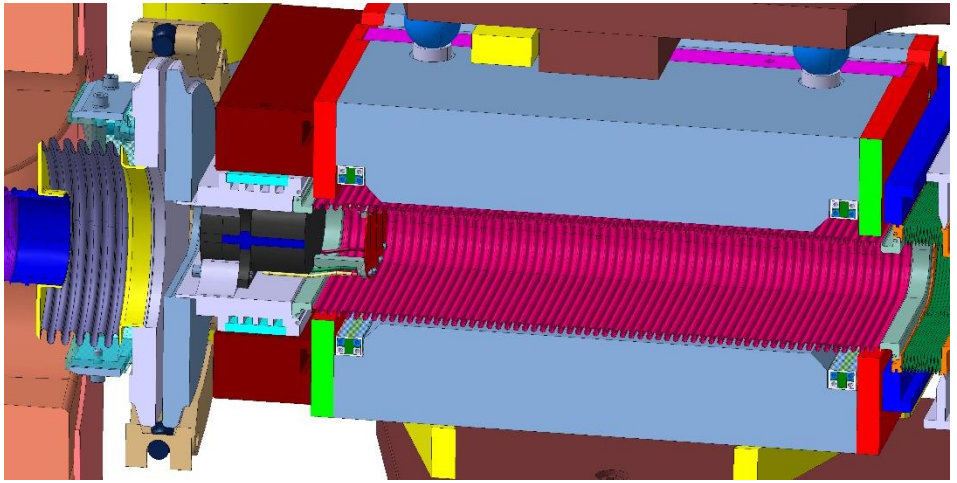


Ho/H- Dumps readiness



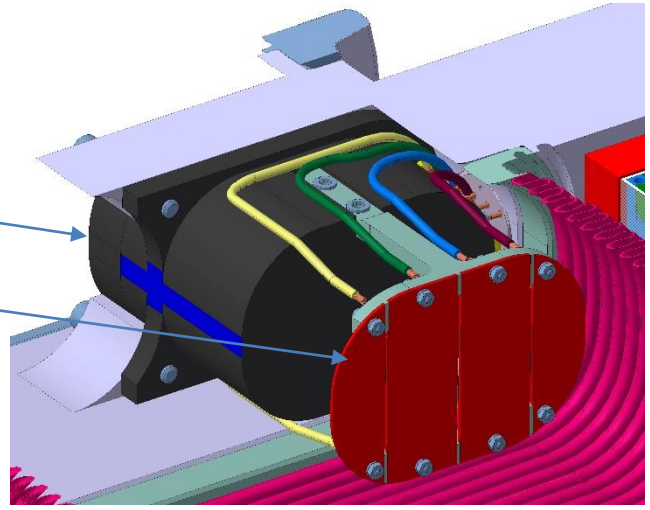
BSW4 Magnet

Technical Spec: Edms 1293512
Technical drawings: PSBVCDOA0035 & PSBTDIMA0001
EVM Wu id: 91906
To be manufactured: 8 (4 installed + 4 spares)



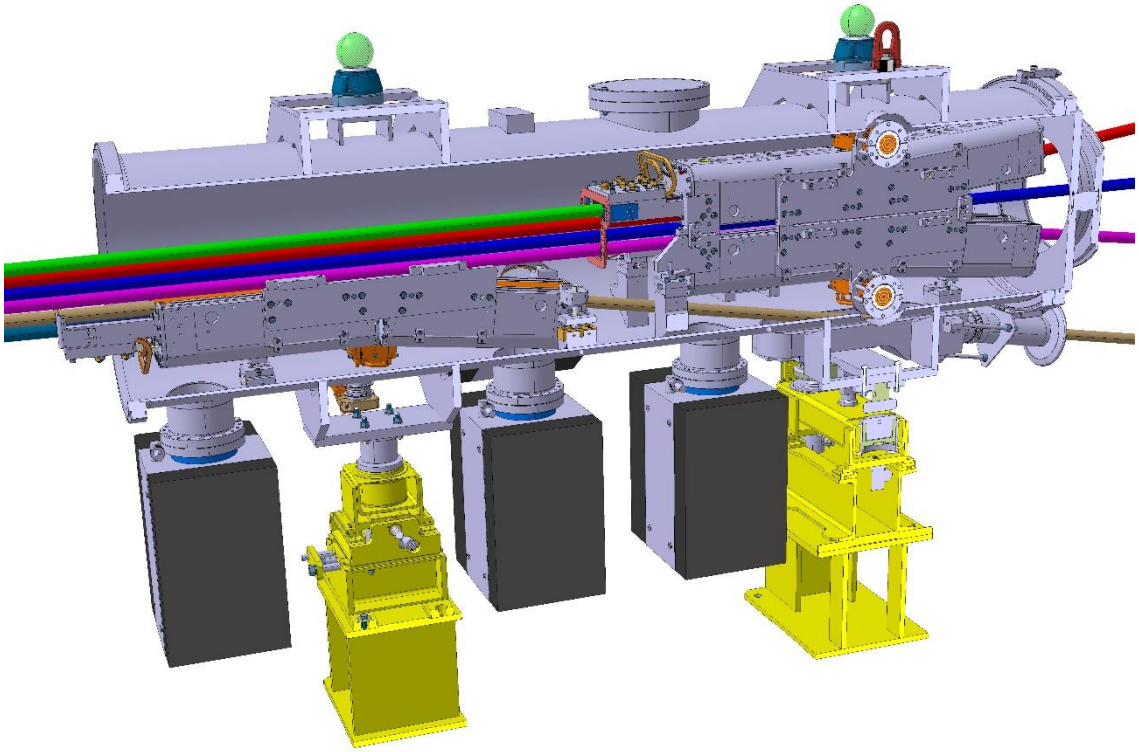
Status:

- Design completed (EN-MME), drawings have been validate to start production
- Titanium dump already ordered and should be delivered soon due to non-conformity (EN-STI/MME)
- Screen to be produced (BE-BI)
- Control (hardware & software) under study (EN-STI)

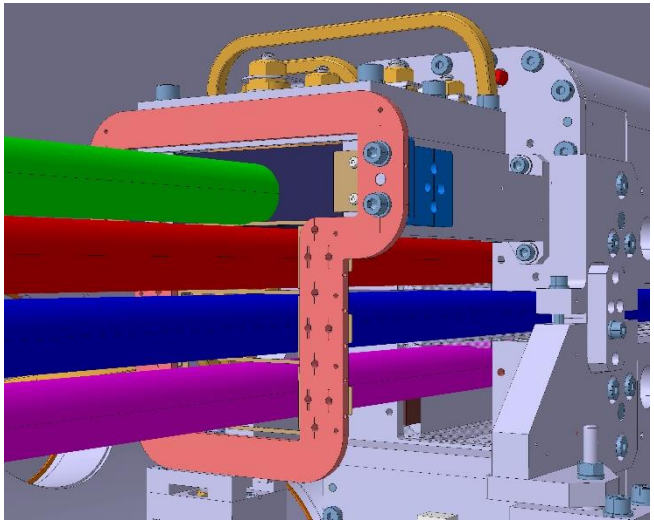


Expected delivery date to TE-ABT for integration: Oct 2015

Head&Tail Dumps readiness

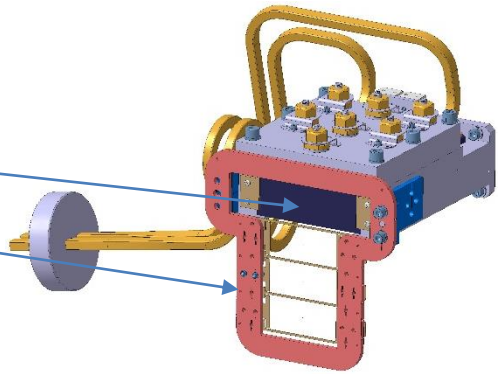


Technical Spec: Edms 1145567
Technical drawings: PSBTDI__0001
EVM Wu id: 91905
To be manufactured: 6 (2 installed + 4 spares)



Status:

- Design completed (EN-MME), drawings have to be signed soon to start production
- Prototype to validate the design already done and approved (EN/STI)
- Graphite dump already at CERN (EN-STI)
- Screen to be produced (BE-BI)
- Control (hardware & software) under study (EN-STI)



Expected delivery date to TE-ABT for integration: Oct 2015

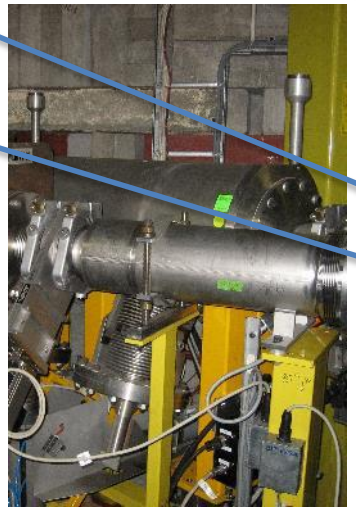
Beam Stopper

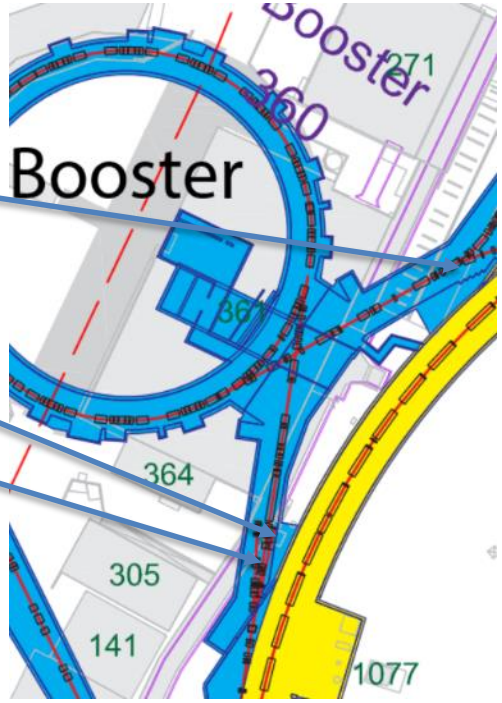
- Document sur EIS CERN : EDMS 1182293
- Document Procédure d'Assurance Qualité EIS : EDMS 1211886

BI.STP-FA

BI.STP-SW

BI.STP.10





- Lack of documentation : old drawing, pictures… (still researching to do in old workbook)
- Compatibility of the BS with the 160MeV(injection) 2 GeV (ejection) beam to be checked. Pending the arrival of a fellow in the TCD section
- Functional Specification of the beam stoppers under preparation

Beam Stopper

- EIS CERN Document : EDMS 1182293
- Document Procédure d'Assurance Qualité EIS : EDMS 1211886

BI.STP-FA

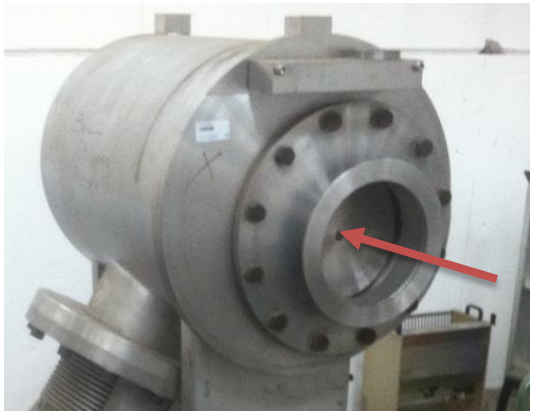
- Asset : PXTBS__005-CR000001
- Drawing : PS_LMLTP8137
- Dump : 3 Graphite cylinder (Ø150mm max)
- The beam see 6 time graphite

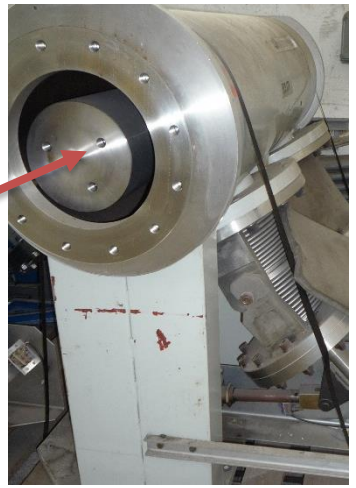
BI.STP-SW

- Asset : PXTBS__001-CR000002
- Drawing : SI.3.23.1002
- Dump : 1 stainless steel Cylinder Ø199mm
- 600 mm long

BTP.STP.10

- Asset : PXTBS__002-CR000002
- Drawing : SI.3.23.1002
- Dump : 2 stainless steel cylinder Ø199mm
- 2x550mm long = 1100mm

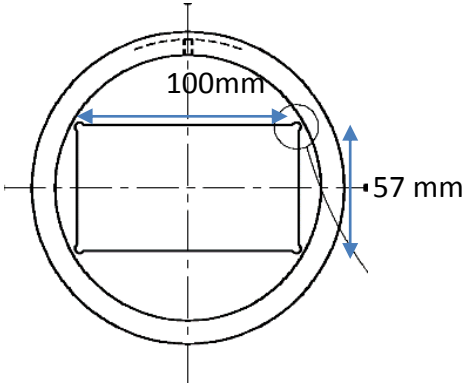




PS Booster Absorber/Scraper

PSB Upgrade
LIU Project

EN STI



Technical Spec: to be archived in Edms CERN-0000149335
To be manufactured: 1 object + spare

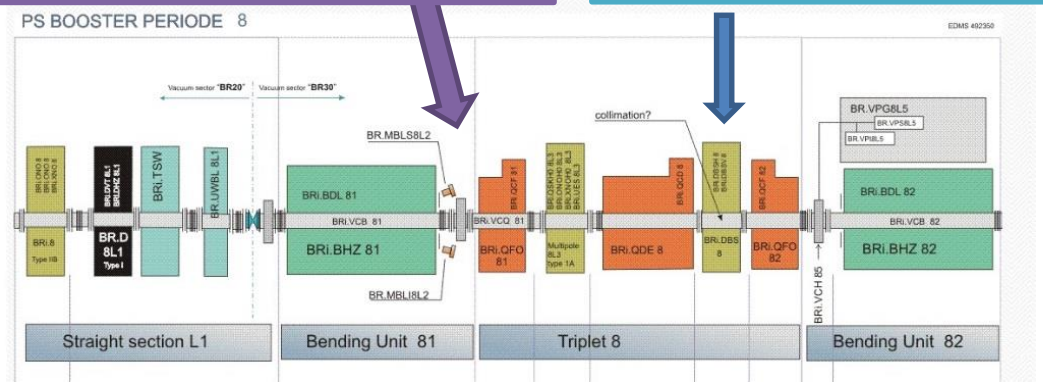
Specifications:

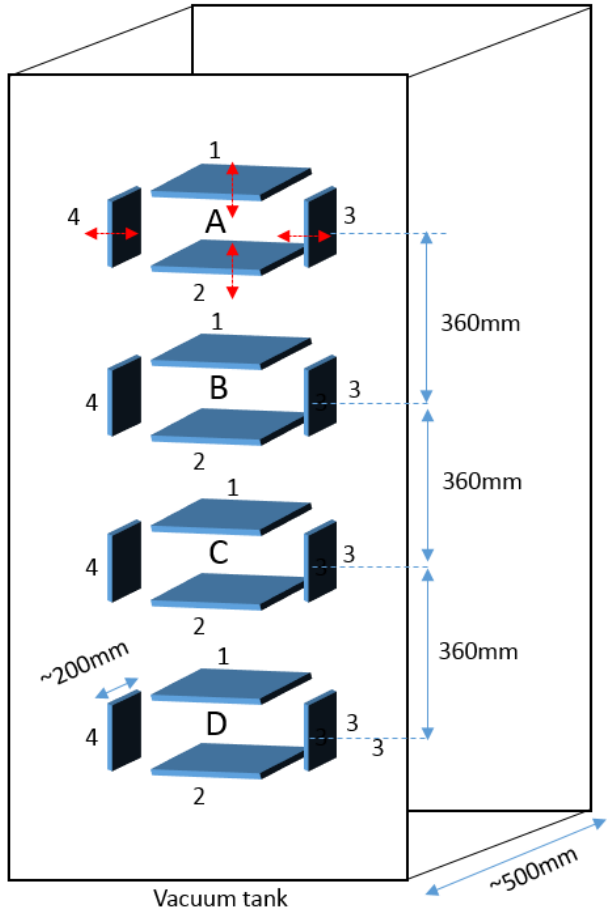
-New scraper, longer (130mm instead of 47mm)

-If possible: 16 movable independent axis

Current position of the WBS:
185mm available space flange to flange

By removing the DBSV8 kicker, **one can get 520mm** flange to flange





Status:

- Start of Fluka simulation to select to best material (July 2015)
- Presentation of the SRR (November 2015)
- Possible re-consideration of the specification, (under discussion)

Targeted delivery date: LS2 (~2019)