Handling of Critical Items for Transportation
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J-L Grenard
EN-HE
Content

• List of “critical” items to be handled
  • BT.BHZ10 / BTM.BHZ10 handling
  • Reference magnet
  • Pile of transformers

• Study schedule
List of “critical” items to be handled

• BT.BHZ10 / BTM.BHZ10 handling
• Reference magnet
• Pile of transformers between the extraction and the booster ring

Why critical: some elements seem have been installed from the PS before the installation of shielding wall (not any more dismountable)
BT.BHZ10 / BTM.BHZ10 handling

- Removal from the beam line close to the handling pit with hydraulics jack and rollers
- Some small elements need to be removed from the passage
BT.BHZ10 / BTM.BHZ10 handling

- Gantry need to be installed over the pit
  lifting capacity of the crane not sufficient (10t)
BT.BHZ10 / BTM.BHZ10 handling

- Transfert in the access tunnel
- And removal from the tunnel with overhead crane
Reference magnet

• Similar problem as BT/BTM.BHZ10 magnet handling
• No handling means not suitable for removal of the magnet

2 Options:
• False floor need to be reinforced (taking in consideration present infrastructure and future infrastructure) -> then transfer on roller
• Or dismantling of the magnet in smaller pieces
• Strategy to be decided
Pile of transformers

- Some tooling need to be build to replace one magnet at a time
Pile of transformers

• Similar tooling under pre design for BSW magnets
Study schedule

• Pre study start in autumn 2014
• Start of the design for the new handlings equipment 2015