

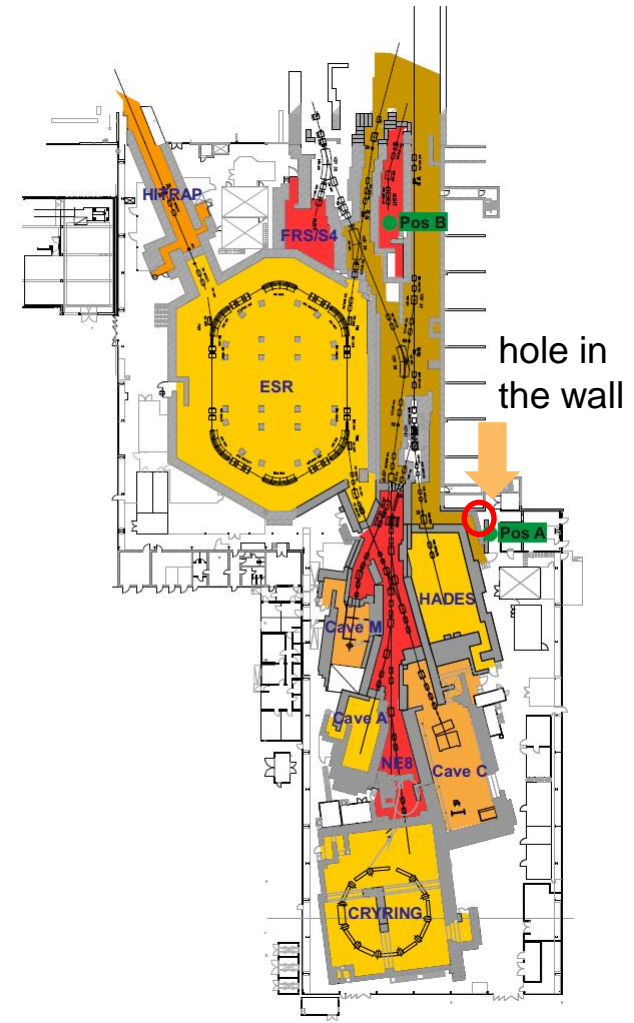
HEST status

2018.09.25

m.sapinski

Shielding

- Three openings in the concrete shielding walls closed:
 - cable tray
 - cable duct
 - better closing of holes in pion target bunker



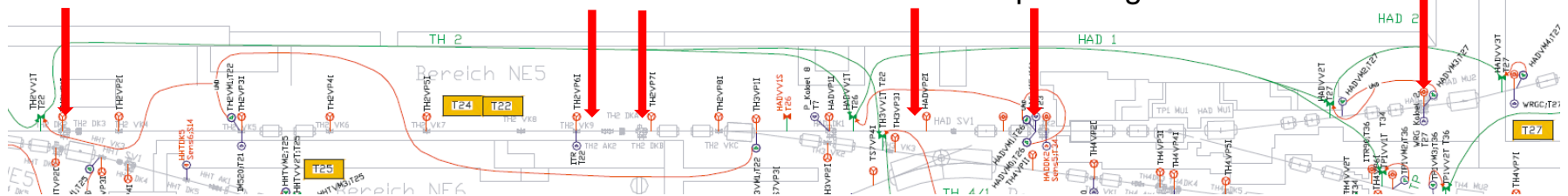
Beam pipe inspection

- Three sectors vented, opened in 6 places and inspected
 - GTH2DK2, GTH2DKY, GTH2DKA, bellow next to GHADKY1, bellow next to GHADDK2, GHADDK3
 - **no obstacles found**
 - SEM of a PDC in GHADDK3 slightly bend – repaired in situ
 - not enough activation to pinpoint beam loss location



courtesy O. Geithner

view from GHADDK2 through pion target area



- Dry run
 - check all equipment line-by-line, use the sequencer where it is possible
- With beam
 - HDD/HTP: measure extraction efficiency and fit beam optics using measurements from screen GS06DF, GTE1DK1/DF and GTH2DK4/DG (this is on HADES line)
 - HADES:
 - setup the beam to the target using low-energy beam (200 MeV/u), measure loss pattern using BLMs
 - setup the beam to target using high-energy beam, measure loss pattern using BLMs
 - check other optics (from Sebastian, Sabrina)
 - spill-structure investigation, extraction efficiency versus sextupole settings
 - commissioning of all PDCs and halo detectors

Preliminary ToDo list for engineering run (II)



- With beam (cd)
 - HTC/HTD: bring beam to target, give mini-CBM some time to tune the detectors
 - HTA/HTM: bring beam to the target, optimize beam spot
 - ESR: establish injection (TE path)