



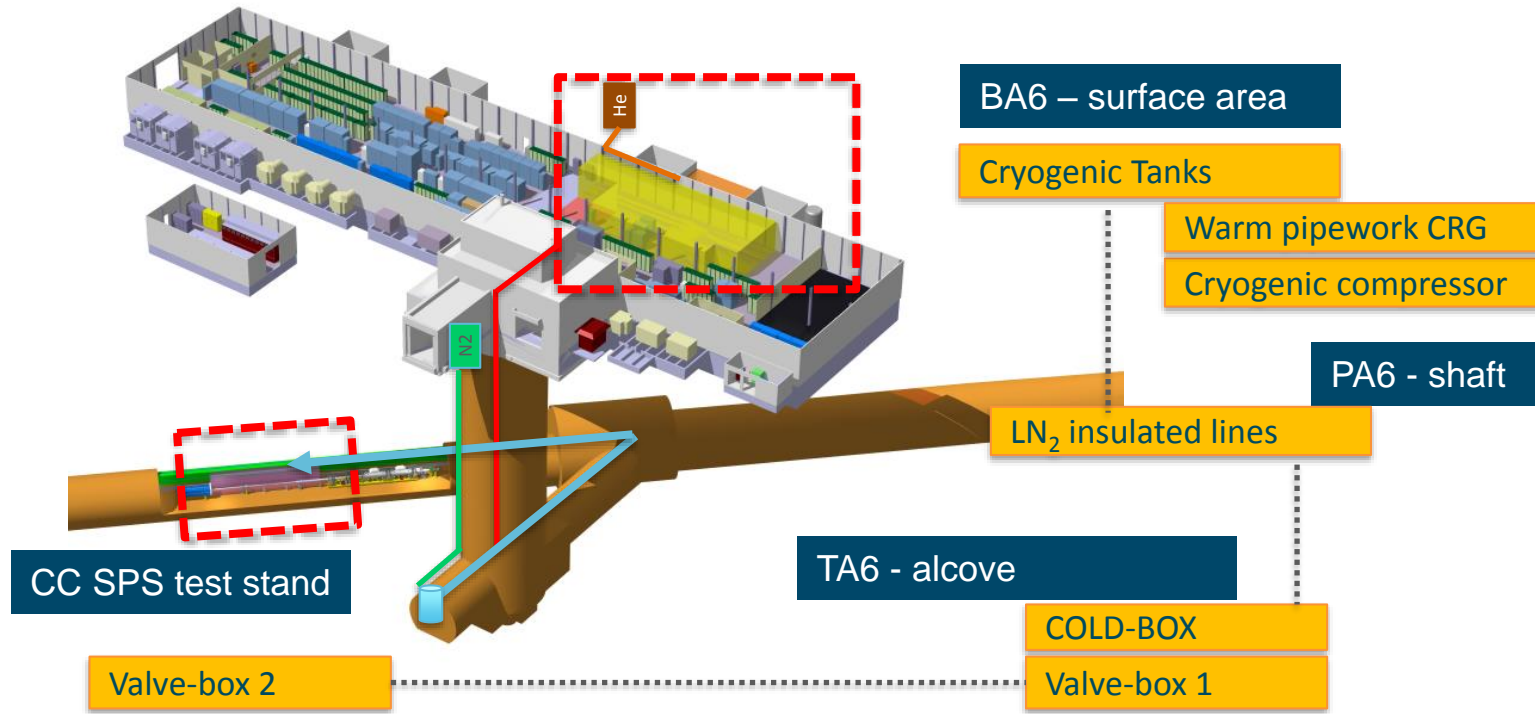
SPS Test-stand Integration

G.Vandoni

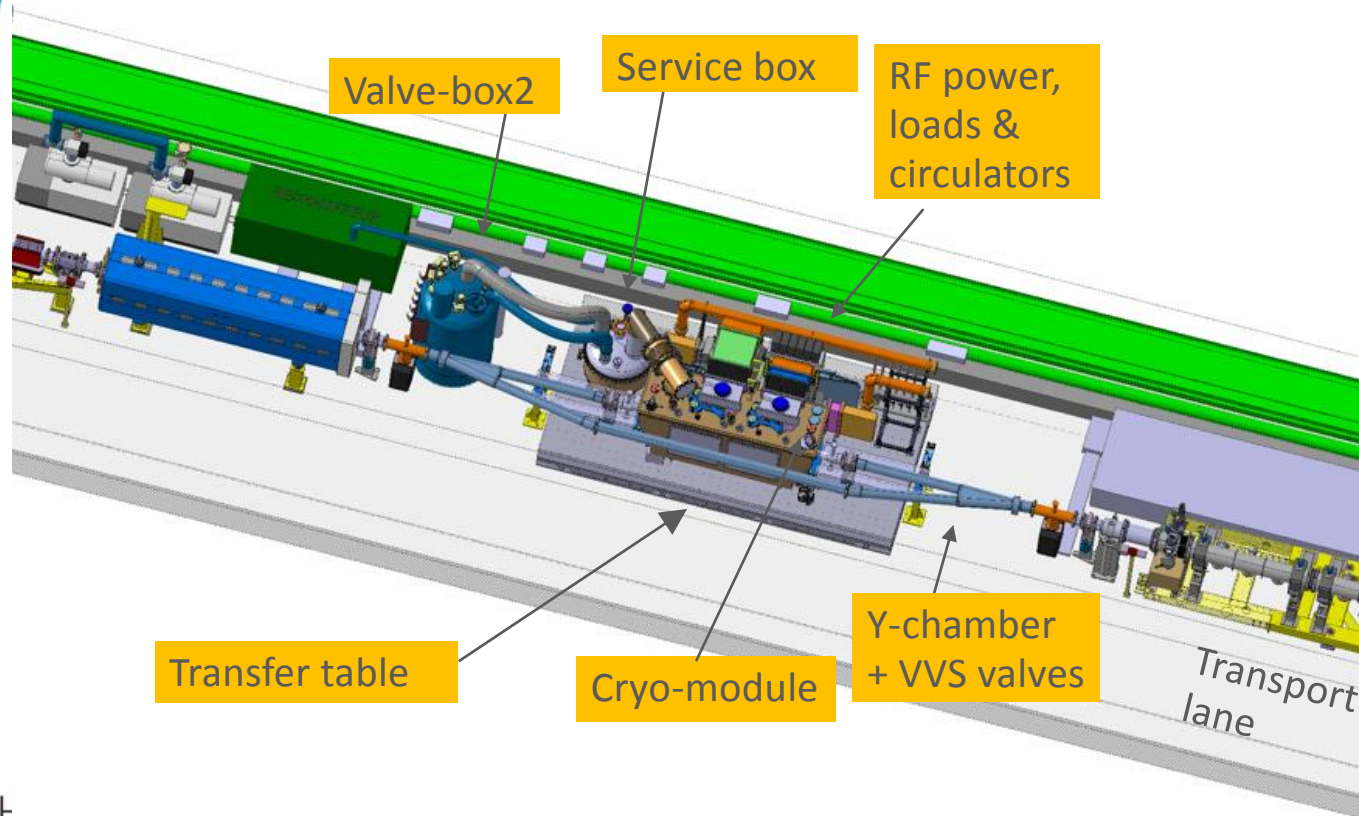
International Review of the Crab-Cavity Performance for HiLumi April 2017



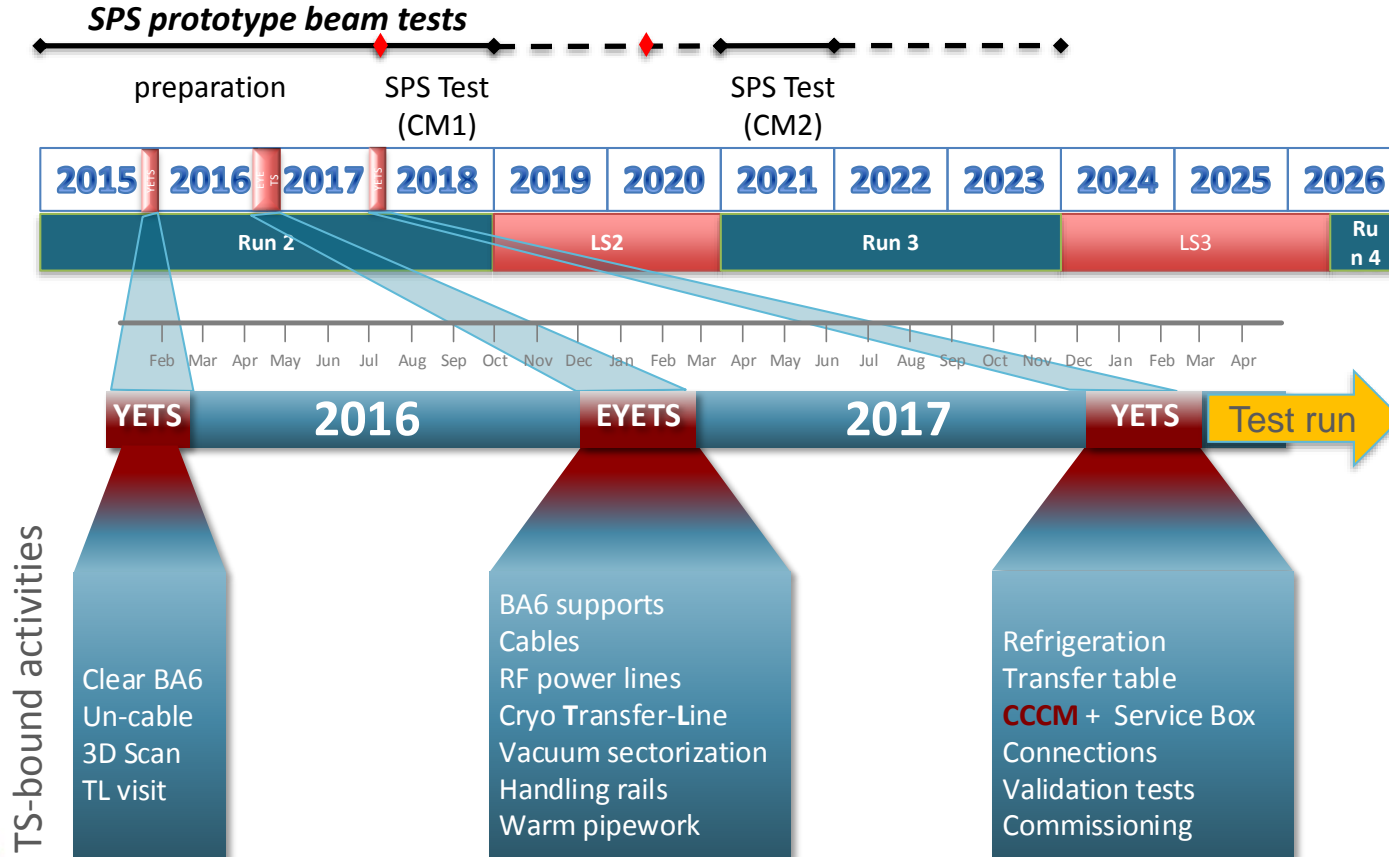
Cryogenic refrigeration & distribution



HL-LHC CrabCavity SPS test stand



WP4 Planning



EYETS goals and achievements

12.4 weeks



Objective	
Cable (211, 20km)	80%
Cryo distribution line	✓
3 rails (4 tons CMU)	✓
Vacuum sectorization	✓
Civil engineering	✓
RF power lines	✓
Water pipework	✓
Warm cryo pipework	75%
He pumps	✓
Survey	✓
3D scan new configuration	✓

From EYETS to YETS



CRYO
 Service Box, ValveBoxes, precommissioning at warm
 Installation of GHe and LN2 tanks

INFRASTR.
 Installation of power equipment, connections and commissioning
 Construction of 3 slabs for cryogenic tanks and transformer
 False floor of Faraday cage

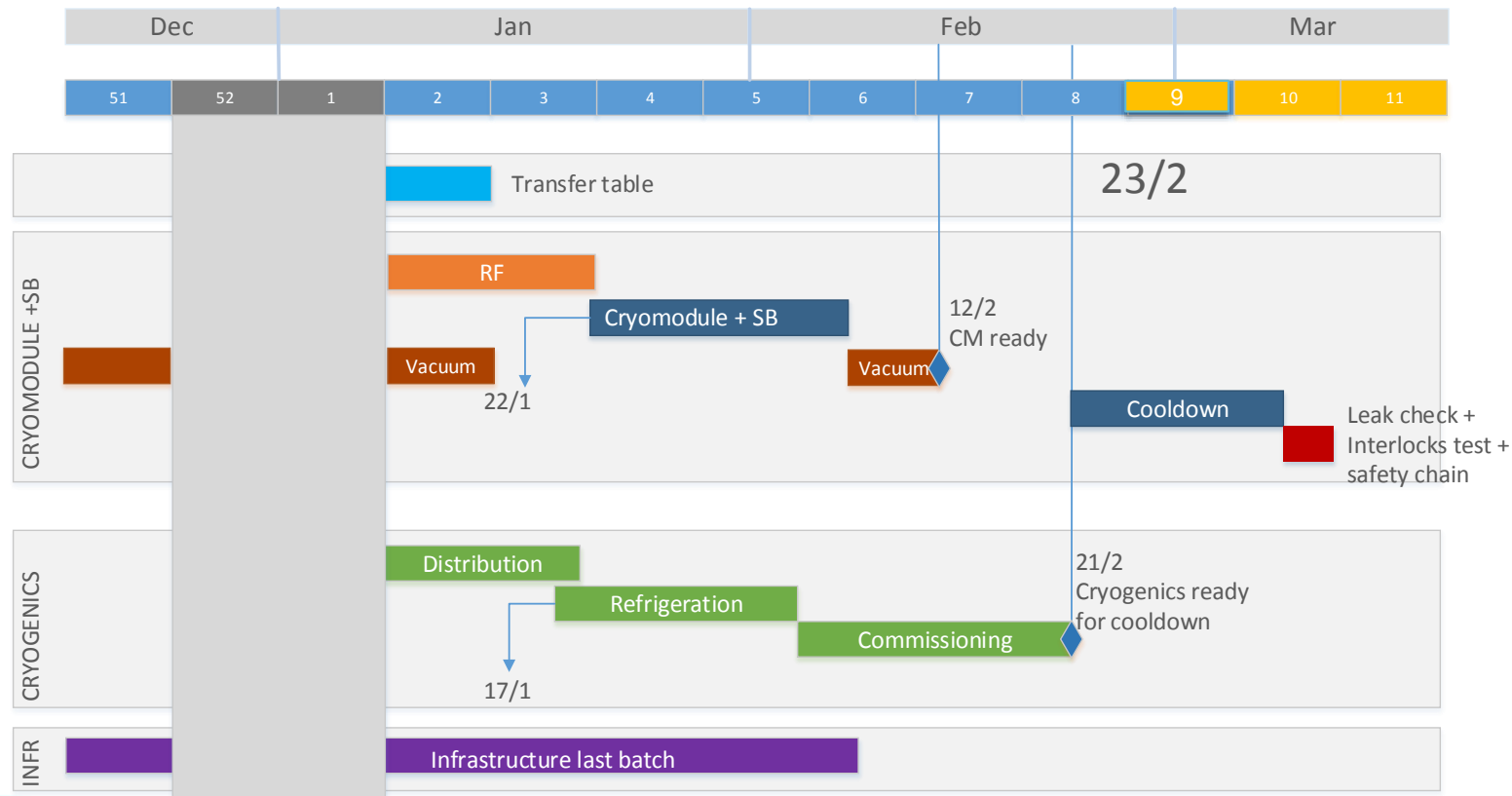
BE/RF
 Installation of RF power equipment, connections and commissioning
 Faraday cage for LLRF
 Tendering
 Production
 assembly
 LLRF !

BA6 SURFACE BUILDING



A challenging YETS

9 weeks



YETS detailed planning

