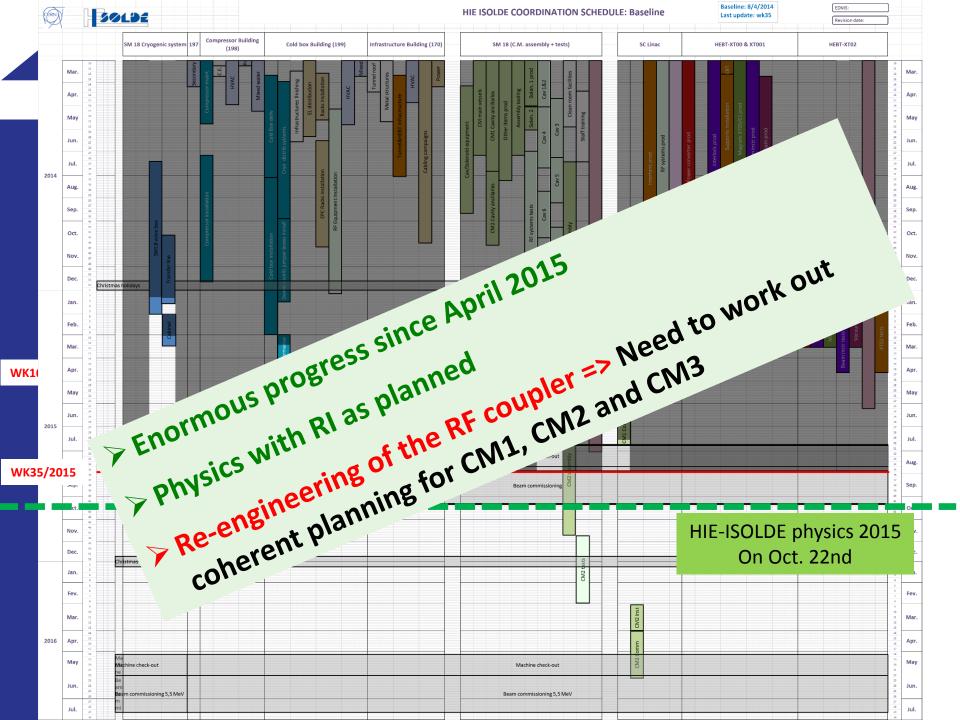
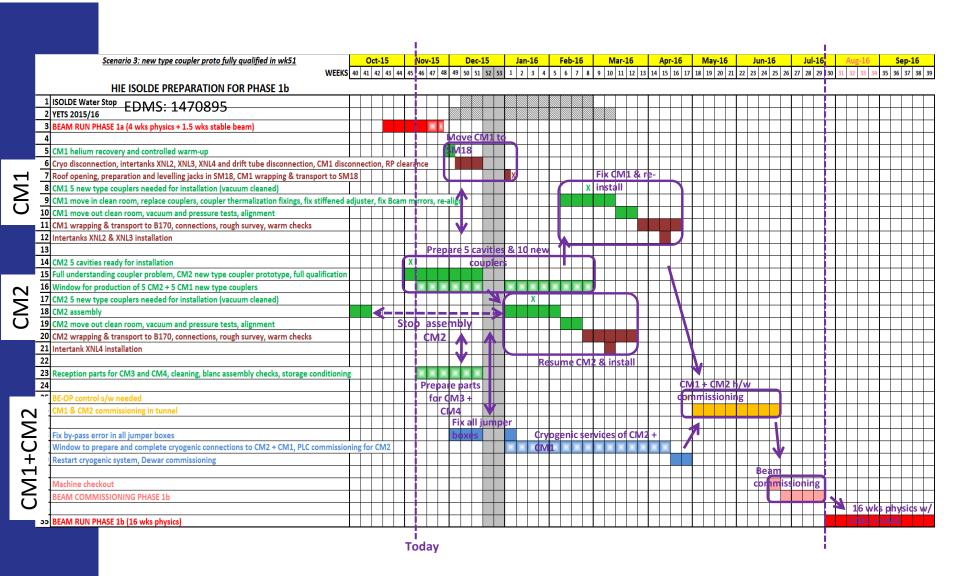
HIE-ISOLDE Project Status Report: Planning of Phase II

74th ISOLDE Collaboration Committee meeting November 10th 2015

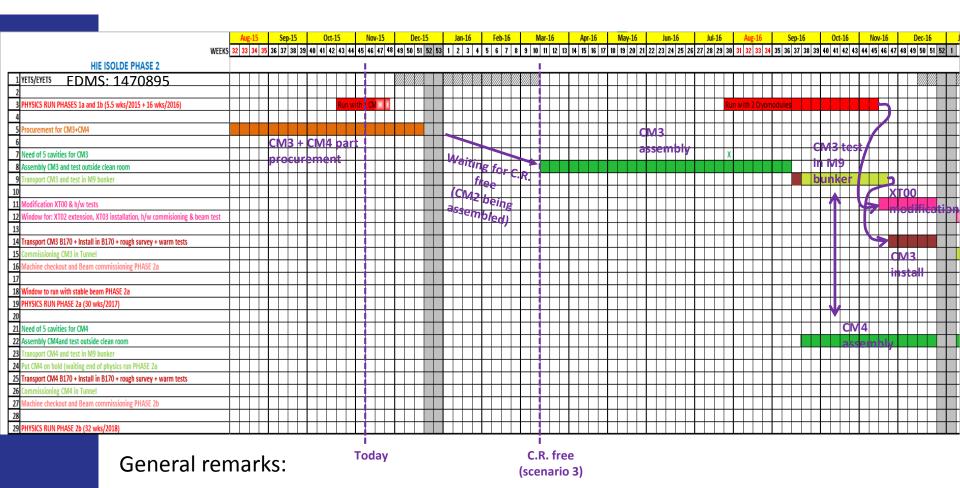
Y. Kadi



Preparation for running w/ CM1 + CM2 (get new couplers, complete CM2, fix CM1)

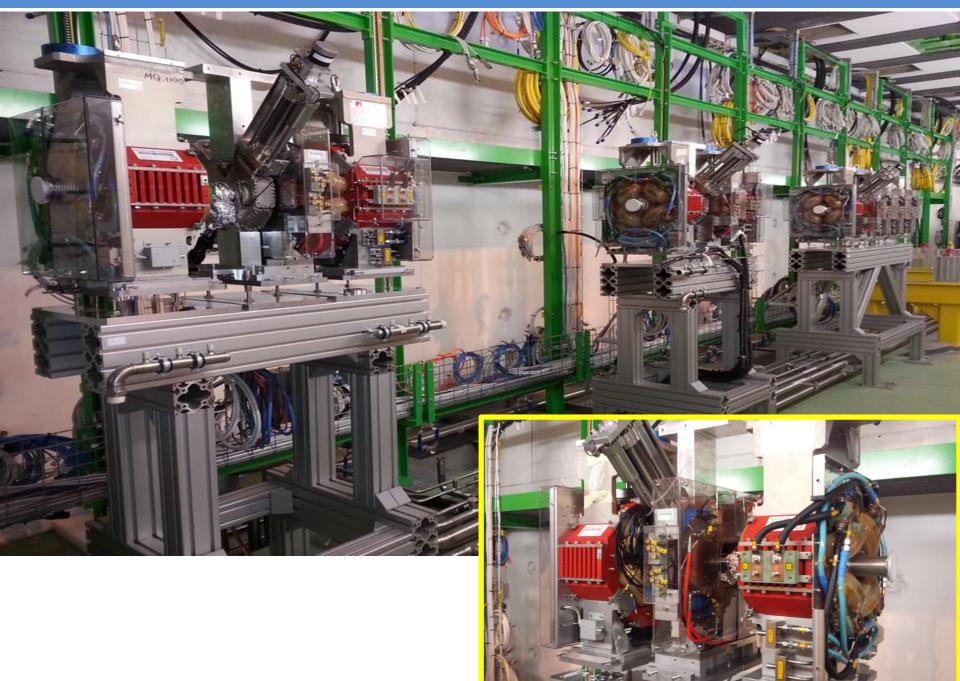


Forecast for HIE-ISOLDE Phase 2 (years 2015- 2016)

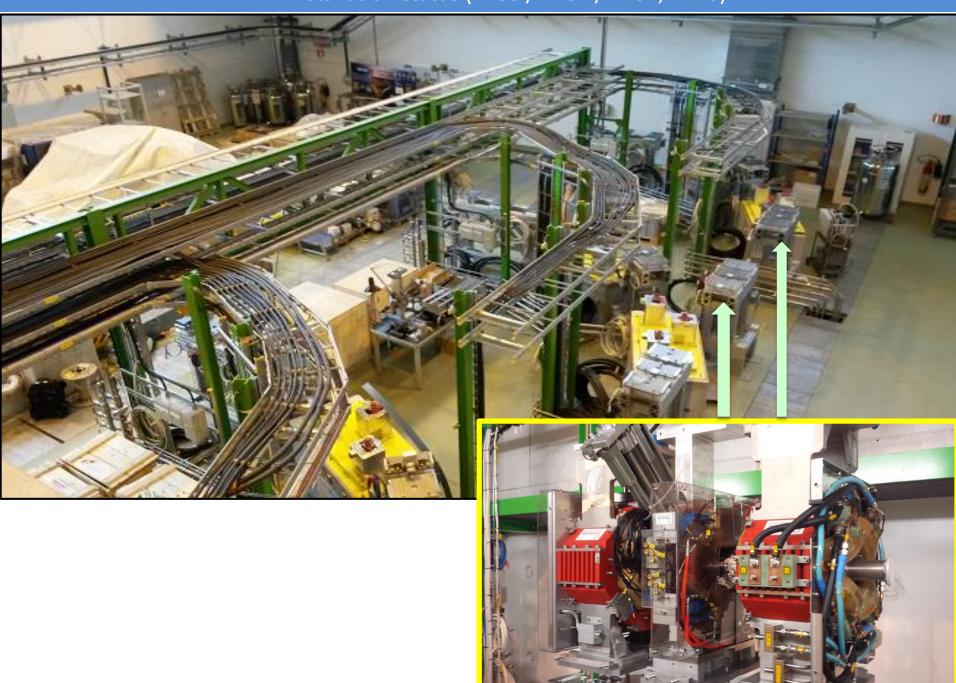


- ❖ Test in M9 bunker is now mandatory for CM3 and CM4 because the HIE-ISOLDE facility is running
- ❖ XT00 modification for PHASE 2: push forward the quadruplet and move 1 doublet to XT03

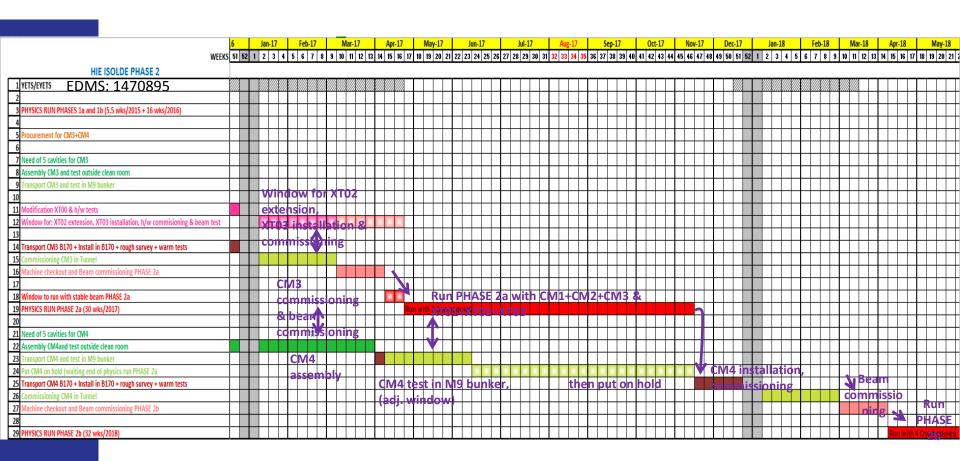
HEBT installation status (XT00 in Linac tunnel, B170)



HEBT installation status (XT00 / XT01 / XT02, B170)



Forecast for HIE-ISOLDE Phase 2 (years 2017- 2018)



General remarks:

- NEW: PHASE 2 run is split into PHASE 2a (2017) and PHASE 2b (2018)
- NEW: beam optics with 3 CMs: CM4 replaced by one doublet & replace first doublet XT03 with drift tube

Overall Summary

- Radioactive beam delivered to Miniball experiment on Oct. 22nd 2015 as initially planned.
- The results of the hardware tests highlighted that CM1 is not fully qualified for sustained operation (problem on RF couplers):
 - De-install CM1 and re-work during winter shutdown;
 - Re-engineer RF couplers;
 - Improve thermalisations of the RF power line.
- New coherent planning is proposed for CM1, CM2 and CM3
 - Agree with Collaboration on a common scope for Physics run 2 & 3
 (2016-2017)
- Procurement for the 3rd beam line and extension of XT02 for HELIOS has been launched:
 - HELIOS solenoid magnet => TE/MSC & Isolde Coll.



Acknowledgments





Thank you for your attention

