

# **News from Upgrade Meeting**



# PCIe40 firmware and software

Second production release of central firmware and software:

- From “Amsterdam” to “Bologna” (see Readout System Meeting: <https://indico.cern.ch/event/780509/>)
  - SOL40SCA v2 is now default
    - Allows to compile SOL40 fw with 48 links
  - New output data format based on EDMS #2100937
    - Sub-detectors are now working on their final output format
    - Reviews are being organized in conjunction with RTA for data format review



*Scaling up our development systems*



*\*bids are open for the “C” release  
(\*\*“J” is already reserved...)*

**Move to this version as soon as possible!**



# LHCb commissioning in 2020

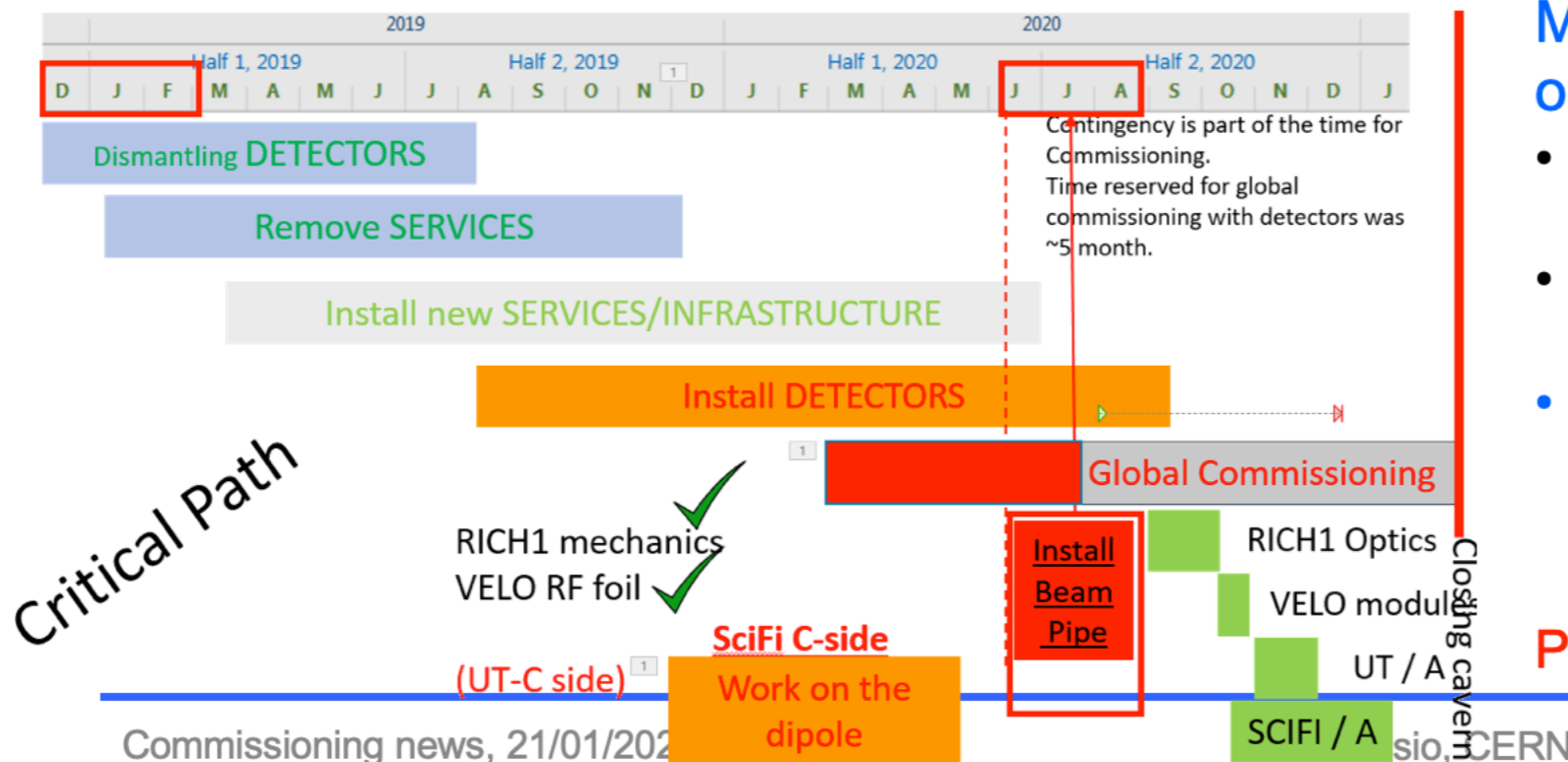
\*soon for sale  
fund Upgrade

Main message: commissioning will be tight but not to worry!

- Must move in parallel with production + assemblies
  - Start commissioning as sub-detectors get installed
  - Even more so, no divergence from central tools (even stricter rule)!
- Limited online resource until full detector is in place
  - Full ECS/TFC network, limited resources in FARM



From TB, last Tuesday → *move installation of beam pipe to June*



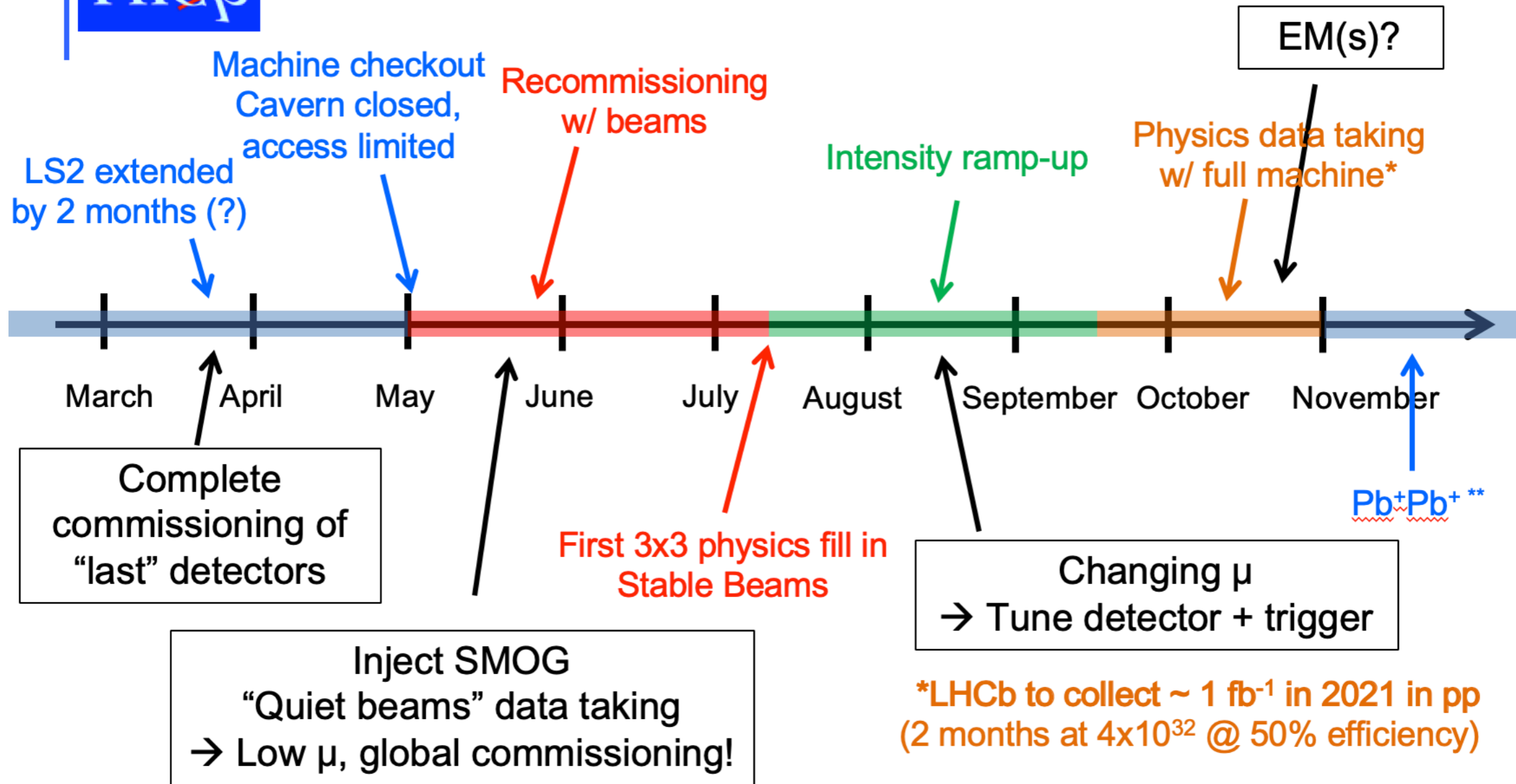
Must profit from detailed organization with TC team

- Allow for services for already installed sub-detectors
- If not possible, **organize specific periods/dates**
- Regular commissioning and installation meetings to coordinate w/ sub-detectors.

Please follow developments!!



# LHCb commissioning in 2021



**\*\*if momentum slip stacking\* is done in  $PbPb$ , then bunch separation is 50 ns**  
→ we will have to fight hard to get collisions from the others...