

# LHC sector test S12-23; S78-81

## Vacuum readiness of the ALICE and LHCb

- **ALICE experimental beam vacuum system A1L2.X – IP2.X – A1R2.X**
  - IP2.X and A1R2.X reinstalled (including bake-out) in 2020; Currently on Atm pressure (ultra-pure neon);
  - A1L2.X vacuum sector to be installed and re-commissioned by June 2021;
- **LHCb experimental beam vacuum system A1L8.X – IP8.X – A1R8.X**
  - A1L8.X sector reinstalled (not baked) during 2020; A1R8.X under the vacuum (not baked);
  - IP8.X – VELO installation in progress; Experimental chambers to be installed only before SR;
  - Not sure whether bake-out will be done before or after SR;
- **General constraints**
  - Pump-down of the ultra-pure neon – min 5 days before the beam test;
  - Pump-down of for the unbaked system – min 10 days before the beam test;
  - **No access in the vicinity of the beam-pipe during the pump-down.**

Multiple pump-down venting cycles must be avoided.

Pump-down should be common for ST and SR.