

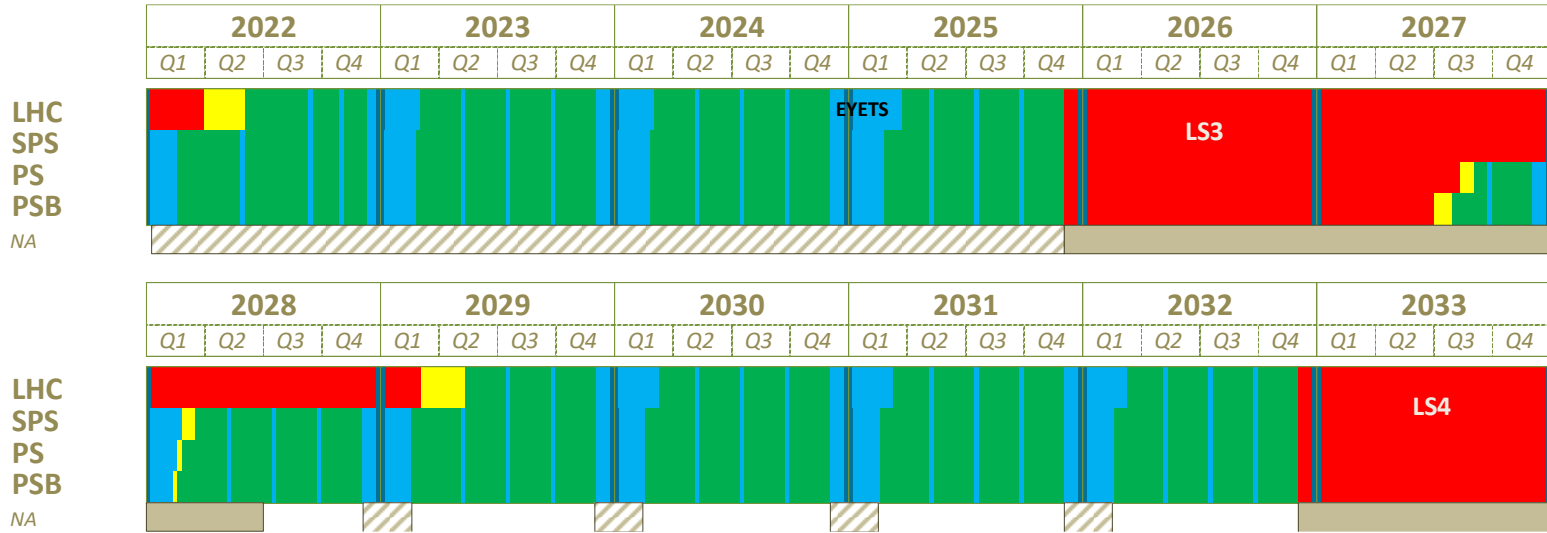


BGC collaboration meeting – March 2022

Thibaut Lefevre (SY-BI)



LHC schedule as of today

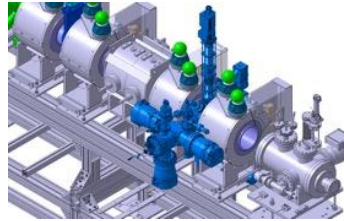


LHC 3 years SPS 2 years
 PS 19mo PSB 18mo



BGC today and tomorrow

*Very exciting times ahead of us
both scientifically and technically*



- Characterising the BGC performance on the e-test stand
- Characterising the shape and the homogeneity of the Hollow electron beam
- Measuring fluorescence cross sections with protons at highest energies
- Measuring the LHC beam profiles during run 3 (understand spatial resolution)

BGC beyond Hilumi

- Establishing a novel technology for non-invasive imaging systems
- Possible applications in other machines than LHC
 - Playing with gas densities and gas types to assess its potential at CERN accelerators in general



Looking forward a productive meeting !

