



# High Luminosity LHC

SPS Crab Cavity Integration  
WP4, WP9, WP12, WP15..



The HiLumi LHC Design Study is included in the High Luminosity LHC project and is partly funded by the European Commission within the Framework Programme 7 Capacities Specific Programme, Grant Agreement 284404.



# Overall Organization, WP4

- *Overall Coordination – R. Calaga*
- *High Power RF – E. Montesinos*
- *Controls & Low Level RF & Controls – L. Arnaudon, P. Baudrenghien*
- *Cavities & Cryomodules – O. Capatina*
- *Vacuum, Cryogenics, Alignment, Services – Respective WP s*
  
- *SPS Integration – F. Galleazzi, G. Vandoni\**
- *SM18 integration & CM testing – A. Kosmicki, A. Macpherson\**
- *Vacuum (V. Baglin), Cryo (K. Brodzinski, L. Delprat)*

*The SPS integration & planning to be carried out within the framework of ICL & Technical coordination meetings.*

# Next Immediate Steps, Prelim

- Define the RF & Services placement needs
  - Conceptual specification (exists), will need update w.r.t to LSS6
- LSS6/BA6 detailed scan (request already launched)
  - Including investigation TI12/18, space reservation
- Cryogenic equipment placement
  - LSS4 equipment movement to ? Fix baseline
- Decabling/Cabling & Services, BA6 clean up

## Main message

- By Jan 2015 we aim at a baseline integration plan & interfaces
- 2016-17 EYETS installation strategy