

# WORK PROGRAM 2019 / MODULE MEETING OF 08.05.2019



# Main goals and some deadlines

- **HG2019 in Chamonix 10 - 14 June:**
  - Summarize measurements of adjustable supports;
  - Alignment test bench and goals;
  - Progress of thermomechanical studies, implications of 100Hz operation;
  - Progress of CFD modeling.
- **Adjustable supports:**
  - Provide correction to the existing support design and build gen. 2;
  - Perform stability test;
  - Study integration with the new girder design.
- **Thermomechanical studies:**
  - Finalize integration of existing RF and Th. Mech. simulations into COMSOL;
  - Confirm indications of RF structure deformation.

# Main goals and some deadlines

- **Goals for alignment 2019:**
  - **Build girder and adjustable support for SAS;**
  - **Integrate Module girder in the alignment test bench;**
  - **Study reproducibility and stability of Module + MBQ.**
- **Goals for Thermomechanical studies 2019:**
  - **Use Xbox data to benchmark model with real operational data;**
  - **Clarify heat exchange to air and thermal stability requirements;**
  - **Finalize water cooling requirements and operational range.**
- **Goals for CFD in 2019:**
  - **Validate simulation model of main Linac tunnel ventilation;**
  - **Clarify ventilation operational range and stability;**
  - **Review ventilation design and cost.**