

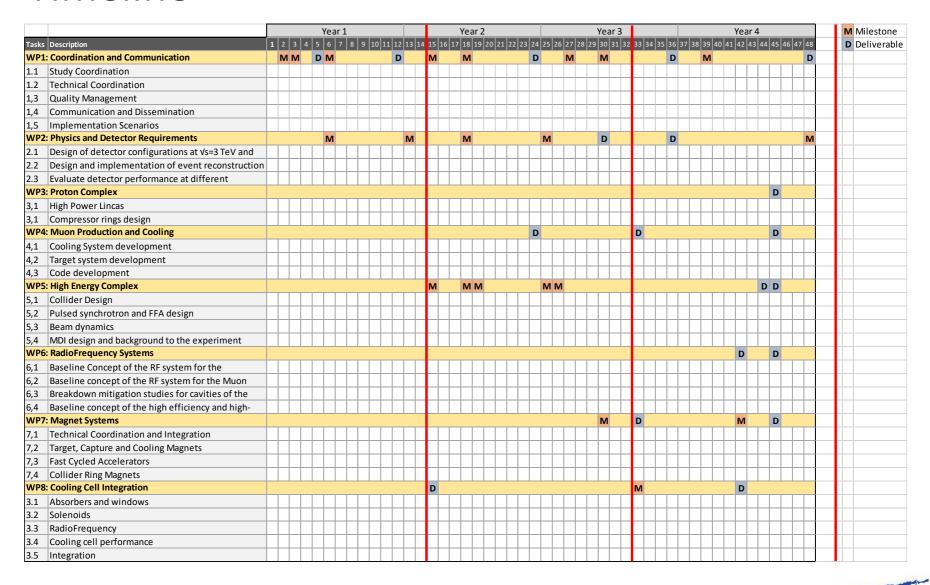
L. Bottura, L. Quettier 12 October 2022



- Task description and main deliverables
 - Overall coordination of magnet design studies and R&D
 - Communication among partners within the WP, and with the other WP's of the study
 - Organization of WP meetings and topical workshops (NB: magnet workshops are agreed at the level of the muon collider study)
 - mmWG (once per month?)
 - Configuration meetings (once per month ?)
 - Support in documentary and administration matters (EDMS repository in 6 months)
 - Establish and maintain a magnet catalog including a magnet specification (first version in 6 months, final version in 30 months)
 - Consolidation of power and cost estimates for the magnet system (24 months)
 - Interface for safety and environmental aspects of the study
 - Coordinate the reporting
- Participants: CERN, CEA



Timeline





Explore synergies with other R&D programs and projects worldwide:

- HFM
- US-MDP
- Chinese Magnet R&D
- Japanese Magnet R&D
- Other regional programs



Stimulate the discussions with industrial partners on critical components:

- Conductor (mostly HTS and/or Nb₃Sn)
- Commercial magnet opportunities (LTS and HTS magnets, resistive magnets)
- Power supplies, power converters and critical components (e.g. energy storage capacitors)



And address one of the most important question: How to take into account « sustainability » in all our activities ?

- Power consumption
- Coolant availability
- Raw materials availability