

R&D on Experimental Technologies

An initiative to define R&D on Experimental Technologies in EP for the period 2020 - 2025 (- 2030)

Scope:

- Define the R&D strategy for experimental technologies for future experiments: future colliders, fixed target experiments, future LHC experiment upgrades, new (unconventional) ideas
- R&D on Detectors, Electronics, Software
- Identification of key technologies (with CERN experience)
- Definition of a roadmap with milestones and prototypes to be developed
- Define funding requirements
- Proposal for the organisation of R&D within EP

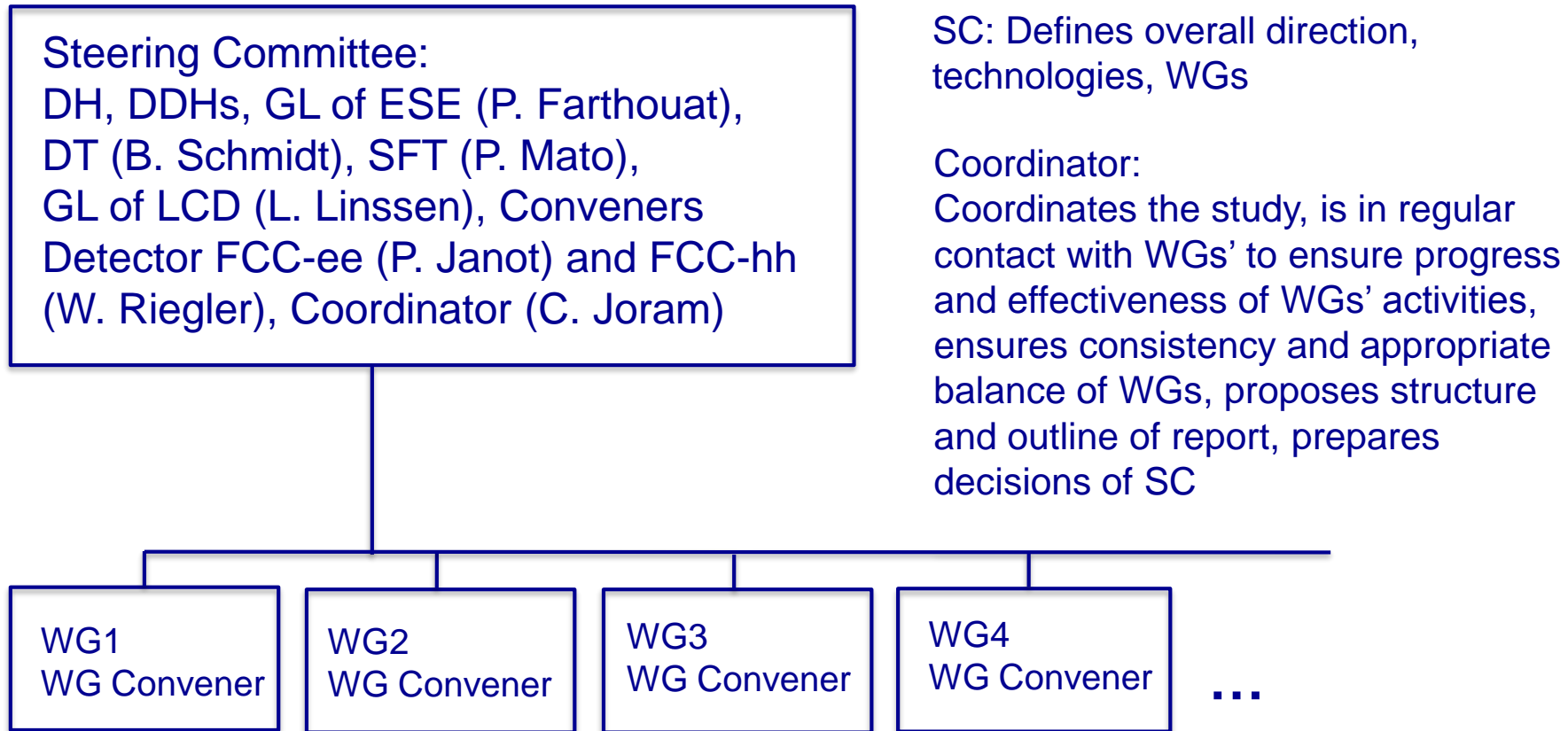
Build on ongoing R&D, maintain and foster partnership with external research institutes and industrial partners (via RDxx groups!)

Why now?

- HL-LHC Phase 2 R&D nearing completion
- R&D for future colliders funded through FCC and CLIC study – one budget line as of 2020

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Organisation to define the strategy:



Working Groups on different technologies

WG conveners coordinate the work within their group.

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Timeline: Consider timeline for publication of CLIC and FCC CDRs and Update of the European Strategy for Particle Physics

