

# WG1

- Large variety of technologies to cover future needs, with cost-awareness
- Improvements towards large areas, higher rates or lower background, higher stability, better eco-compatibility, precise and fast timing
- Perimeter : MPGD, RPC/MRPC, Wires, etc...
- New challenges (with examples)
  - long straws > precise positioning of the wire
  - High-rate RPCs > low-resistivity materials
  - Robust and stable MPGDs > new materials
- New ideas, new structures
- General meetings
  - Presentation of new ideas, goals and challenges, and realizations
  - Follow-up of projects, from concept to several years operation
- Possible work packages (with other working groups):
  - Portable detectors (sealed detectors, HV on battery)
  - New generation Gaspix
  - Multiplexed detector
  - Fast and precise timing