Organizational issues

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Current activities

- Photon detection
  - Simulation and hardware R&D for the **active converter** are on going since a long time, including beam tests
  - Simulation of pair tracker (radial TPC option) at an embryonal stage
  - Simulation and hardware R&D for **calorimetric options** with innovative crystals
  - Ideas for the timing layer to be further developed (timing in conversion layer, additional timing detectors)
- Positron detection
  - We rely on experience from the Mu3e design
  - We didn’t think yet about the arrangement of timing detectors

Critical actions to be taken

- On the time scale of ~ 1 year, it is necessary to initiate some hardware R&D on the pair tracker
  - there is an opportunity in Rome to exploit the collaboration with a group which is building a large-area TPC with strip readout, with challenges similar to a radial TPC for e^+e^- tracking
- Simulation code is expected to grow significantly already in the next months:
  - we need to converge on a common software framework for the different efforts
  - should we stick to the MEG's ROME framework (it is there, but it is quickly becoming obsolete) or look for something more modern? Any suggestion?
- Start developing ideas for positron timing
- …

Long term planning

- There is a widespread aspiration to go toward a Letter of Intent to be submitted to PSI already before the long shutdown, tentatively in 2026.

  - I prepared a doodle for a meeting, mainly intended to discuss the planning of this effort (see also my recent mail):

https://doodle.com/meeting/participate/id/eV5X3QBd