

# Welcome to the 2024 EP R&D Day!

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#### **Practical information for today**

- Agenda: https://indico.cern.ch/event/1395929/
- We have a packed program: speakers will have to respect their time allocation, and there won't be too much time for discussion during the sessions
- This year we are introducing for the first time a poster session, in collaboration with AIDAInnova
  - Reviewers will visit the posters: authors, please stand by your poster to answer questions!
  - We warmly invite everyone to stay until the best posters awarding cerimony at the end of the meeting
- Please profit from the coffee/lunch breaks to meet and discuss about the presentations and the posters



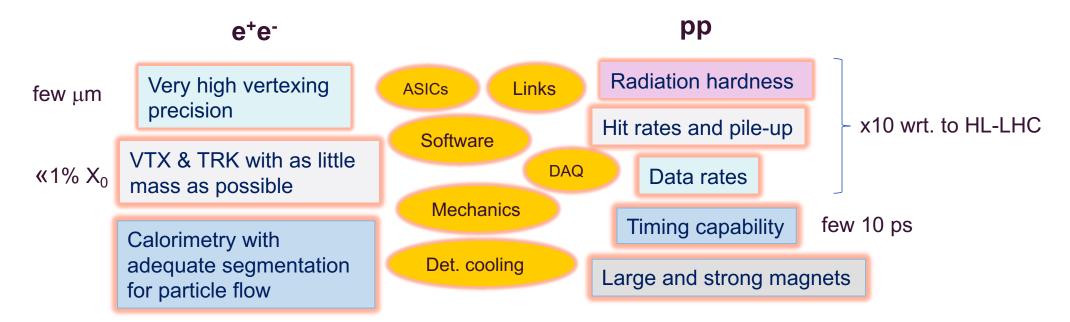
## EP R&D, a bit of history

- CERN has a tradition in R&D programs for developing technologies and facilities, in time for next experimental challenge
  - Launched in 1990: Detector Research and Development Committee (DRDC). R&D on technologies used in LHC experiments phase-0 (2008)
  - 'White Paper' R&D program (2008-2011). R&D on technologies for phase-I upgrades
- With the "ending" of the R&D for LHC Phase-II upgrades EP launched the EP R&D programme on detector technologies towards LS4+ HL-LHC, FCC-ee/pp, linear colliders, ...
  - Initially approved for 2020-2024
  - The programme continuation (2024-2028) was approved in 2023 and is very much in line with other detector R&D efforts in the wider community (ECFA DRDs)



### EP Detector R&D programme (2024-2028)

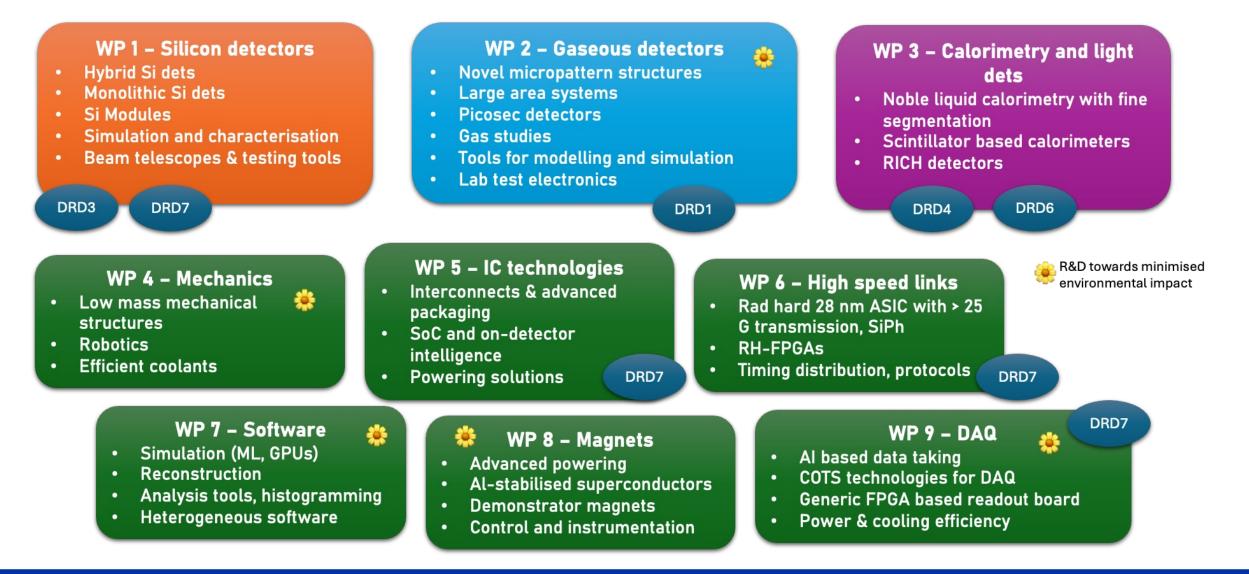
A strategic technological R&D programme, not experiment specific developments. Its results will enable future projects to develop and build optimal detectors. We use the requirements of HL-LHC and studies like FCC (ee/hh), CLIC, ... as guidelines.



Concentrate on key detector technologies, <u>but equally important</u> are mechanics, infrastructure, electronics, data acquisition, software and experimental magnets



## EP R&D workpackages 2024-2028





# **Enjoy the day!**

For more information and contacts, visit https://ep-dep.web.cern.ch/node/7537



