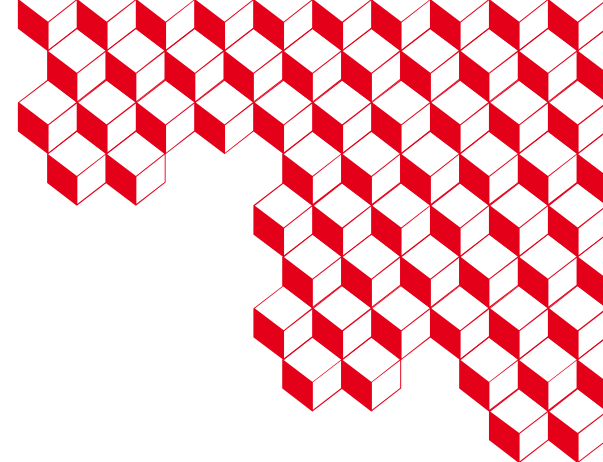




irfu



# **CEA Saclay**

DRF/Irfu

F. Sabatié, F. Bossù

May 7th 2024

# CEA engagement in EIC

- EIC is clearly stated in the CEA Irfu road map
- Irfu is involved in magnet designs for EIC and (**spin rotators**) and the ePIC solenoid **MARCO**

Involvement in the ePIC detector:

- Design, development and production of the **cylindrical Micromegas barrel layer (CyMBaL)** that wraps around the silicon tracker. Details: 32 resistive Micromegas modules with 2D readout.
- Development of a **new ASIC for micro-pattern gaseous detectors (MPGDs) readout** : SALSA. This new chip will be used for the front end electronics of the three ePIC MPGD subsystems

A month ago, a preparatory meeting in Irfu to assess the readiness to transition from the R&D phase to a formal Irfu projet.

- Project kick-off meeting is planned in the fall: definition of the project scope (deliverables), planning (milestones), resources (human and financial), risk analysis.

Common effort with in2p3 to prepare a request for funding to the French ministry targeting EIC and ePIC

