

## FCC Allegro/TileCal-like calorimeter

*martes, 13 de enero de 2026 16:50 (20)*

The ALLEGRO detector concept for the Future Circular Collider (FCC) foresees a robust and highly performant hadronic calorimeter inspired by the ATLAS Tile Calorimeter design. Within the DRD Calo Work Package 3, we present the ALLEGRO/TileCal proposal. The proposed design profits from the operational experience of TileCal at the LHC, while incorporating advances in photodetectors, electronics, and signal reconstruction to meet the demands of future high-rate, high-precision collider experiments.

Emphasis is placed on the calorimeter expected performance and the studies being carried-out at IFIC.

**Primary author(s) :** ARRANZ ASENSI, Ana; VALERO, Alberto (IFIC- Universidad de Valencia); POVEDA, Ximo (IFIC, CSIC-UV); RUIZ MARTINEZ, Arantxa (IFIC, CSIC-UV); FIORINI, Luca (IFIC / U. Valencia - CSIC)

**Presenter(s) :** ARRANZ ASENSI, Ana

**Clasificación de la sesión :** Individual Contributions + discussions