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## Calorimetry simulations for the ALLEGRO FCC-ee detector

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After LHC era, the Future Circular Collider is a very ambitious project for the next generation particle collider. The first stage of the project is circular electron-positron collider (FCC-ee). One of the proposed detectors for FCC-ee is general-purpose detector ALLEGRO. The calorimetry system of new detector consists of a high granular noble liquid electromagnetic calorimeter and a hadronic calorimeter with scintillating tiles using wavelength shifting fibers. The individual components of electromagnetic and hadronic calorimeter in the barrel and extended barrel regions will be introduced. ALLEGRO detector concept is fully implemented under FCC software, studies to optimise detector design and physics performance were made, simulations and calibration will be presented.

**Primary authors:** SOPKOVA, Filomena (Charles University); SOPKOVÁ, Filoména (Charles University)

**Presenters:** SOPKOVA, Filomena (Charles University); SOPKOVÁ, Filoména (Charles University)

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