

# Radiation environment

*Wednesday, 31 May 2017 13:50 (20 minutes)*

We present radiation calculations for the updated reference geometry of a general purpose FCC-hh detector. The magnet system of this detector consists of a 4T central solenoid and two 4T forward solenoids. Subdetectors are implemented with proper envelopes that leave installation clearances and space for services.

**Primary author:** BESANA, Maria Ilaria (CERN)

**Co-authors:** FERRARI, Alfredo (CERN); CERUTTI, Francesco (CERN); VLACHOUDIS, Vasilis (CERN); RIEGLER, Werner (CERN)

**Presenter:** BESANA, Maria Ilaria (CERN)

**Session Classification:** FCC-hh experiments and detectors