

The resent results from the LHCf experiment

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The LHCf experiment is one of the LHC forward experiment. The LHCf aims to provide critical data for evaluation of hadronic interaction models which are used in MC simulations of air shower developments induced by high energy cosmic-rays. The LHCf detectors measures neutral particles, photons, neutrons and neutral pions, emitted in the very forward region of a LHC interaction point. The psudorapidity coverage is $\eta > 8.4$.

In 2015, the LHCf had successfully completed an operation with proton-proton collisions at the collision energy of $\sqrt{s}=13\text{TeV}$. We present resent results from the new data, especially forward photon production spectra. We also mention about future plans, an operation with LHC p-Pb and an operation at RHIC p-p collisions (the RHICf experiment.)

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