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Latest results from the LHCf Experiment (12' + 3')

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The LHCf experiment, located at ± 140 m from the ATLAS interaction point, has been conceived to measure the neutral particles produced in the very forward region ($\eta > 8.4$) at LHC. The experiment has taken data both in p-p at different c.m.s. energies and in p-Pb collisions. These measurements are extremely useful to calibrate the hadronic interaction models currently used for the study of the development of very high energy cosmic ray's induced showers in the atmosphere.

This talk will describe the latest LHCf physics results both for p-p and p-Pb collisions, with particular emphasis to the preliminary results obtained in the analysis of 13 TeV p-p data.

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Session Classification: Strong Interactions and Hadron Physics

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