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## Angular correlations of heavy-flavour decay electrons and charged particles in pp and p-Pb collisions $\sqrt{s_{NN}} = 5.02$ TeV with ALICE at LHC.

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Heavy quarks (charm, beauty), due to the large masses, mainly originate via hard partonic scattering processes in high-energy hadronic collisions. They evolve as parton showers and hadronize as back-to-back jet events.

Two particles azimuthal angular correlations triggered by electrons from heavy-flavour hadron decays can be used for heavy-flavor jet studies. Such correlation distributions contains a near-side peak around  $\Delta\varphi = 0$  formed by particles associated with a high- $p_T$  trigger particle, and an away-side peak around  $\Delta\varphi = \pi$ . By changing the momentum scales of the trigger and associated particles one can study the heavy-flavour jet structure. In pp collisions, heavy-flavour correlations can be used to study the production and fragmentation of heavy-quarks. In p-Pb collisions, heavy-flavour correlations can be used to test cold nuclear matter and gluon saturation effects.

In this poster, we present the current status and results of the ALICE measurement of azimuthal angular correlations of high- $p_T$  heavy-flavour decay electrons with charged particles in pp and p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV from the LHC Run 2 data. The results from pp and p-Pb collisions will be compared with each other to investigate any modification due to cold nuclear matter effect.

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