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## Production of strange particles in jets and underlying events in pp and p-Pb collisions with ALICE

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Previously reported ALICE measurements have shown that the inclusive production rate of (multi-)strange particles varies smoothly as a function of the size of the collision system, as measured by charged-particle multiplicity in pp, p-Pb, and Pb-Pb collisions. However, more detailed investigation reveals an overall enhancement in the yield of strange baryons relative to mesons for systems larger than pp collisions, possibly due to the effects of collective flow and recombination of the bulk matter. Such effects may differ for strange hadrons generated in soft (low  $Q^2$ ) interactions, compared to those originating from jet fragmentation (high  $Q^2$ ). In order to explore this question, in this contribution we report final measurements of the baryon-to-meson yield ratios measured in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV for the inclusive population, and for hadrons within jets. We will also discuss the production of (multi-)strange hadrons ( $K_s^0$ ,  $\Lambda$  ( $\bar{\Lambda}$ ),  $\Xi^\pm$  and  $\Omega^\pm$ ) in jets and the underlying event for pp collisions at  $\sqrt{s} = 13$  TeV and p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV.

### Collaboration

ALICE

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