## Production of strange particles in jets and the underlying event in pp, p-Pb and Pb-Pb collisions measured with ALICE

Friday, 11 October 2019 09:10 (20 minutes)

The  $p_{\rm T}$  dependence of the baryon-to-meson yield ratio in hadronic and nuclear collisions is sensitive to the collective expansion of the system, the partonic recombination into hadrons, the jet fragmentation and hadronization.

In the region  $2 < p_T < 6 \text{ GeV}/c$ , this ratio for inclusive yields is significantly enhanced at high multiplicity in small collision systems, such as pp and p-Pb collisions, relative to that at lower multiplicity. However, the origin of the enhancement still remains an open question.

In this contribution, we explore the connection between the baryon-to-meson ratio enhancement and jet production via the measurement of the  $p_{\rm T}$ -differential spectrum of strange and multi-strange particles (K<sup>0</sup><sub>S</sub>,  $\Lambda$  and  $\Xi$ ) in pp, p-Pb and Pb-Pb collisions, both inclusively and within energetic jets.

The results set new constraints on the particle production mechanisms in jets and provide new insight into the understanding of the origin of flow-like correlations observed in small systems.

## Abstract Type

Talk

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Session Classification: S3:中高能核物理

Track Classification: 中高能核物理