

Contribution ID: 134 Type: Poster

## Production of strange particles in jets and the underlying event in pp collisions at $\sqrt{s}=13$ TeV with ALICE at the LHC

Tuesday 15 May 2018 19:10 (30 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  $2 < p_{\rm T} < 6~{\rm GeV}/c$ , 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<sub>S</sub><sup>0</sup>,  $\Lambda$  and  $\Xi$ ) in pp collisions at  $\sqrt{s}=13$  TeV, both inclusively and within energetic jets. The results will set new constraints on the particle production mechanisms in jets, and will provide new insight in the understanding of the origin of flow-like correlations observed in small systems.

## Content type

Experiment

## Collaboration

ALICE

## Centralised submission by Collaboration

Presenter name already specified

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Session Classification: Poster Session

Track Classification: Jet modifications and high-pT hadrons