

# 11th International Conference on Hard and Electromagnetic Probes of High-Energy Nuclear Collisions



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Typ: Poster

## Multiplicity dependence of charged-particle jet properties in pp and p-Pb collisions with ALICE

*Dienstag, 28. März 2023 18:15 (2 Stunden)*

Measurements of jet properties in small systems provide insights into perturbative and non-perturbative QCD aspects of jet structure and cold nuclear matter effects. Additionally, recent studies of high-multiplicity final states in small collision systems exhibit signatures of collective effects that are conventionally associated with the formation of hot and dense, color-deconfined QCD matter. However, no evidence of jet quenching has been observed within present accuracy in small collision systems. In this talk we will present recent ALICE measurements of intra-jet properties in pp collisions at  $\sqrt{s} = 13$  TeV and p-Pb collisions at  $\sqrt{s} = 5.02$  TeV: mean charged-constituent multiplicity, transverse momentum profile, and fragmentation distributions. These jet properties are compared between high-multiplicity and minimum-bias events in small collision systems. In addition, we will compare these results with various Monte Carlo generators.

### Experiment/Theory

ALICE

### Affiliation

CERN

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**Sitzung Einordnung:** Poster Session

**Track Klassifizierung:** Jets and their modification in QCD matter