

# ALICE measures pA collisions: Collectivity in small systems?

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Proton-nucleus collisions provide a reference to study the signatures already present in the initial state, due to the complex structure of the colliding nuclei which confirm that the suppression of high  $p_T$  hadron production observed in heavy ion collisions is a genuine effect of the hot deconfined QGP. However, several measurements of particle production in the low and intermediate momentum region indicate the presence of coherent and collective effects, already in small systems, as those produced in p-Pb collisions. Measurements from proton-lead collisions at  $\sqrt{s_{NN}}=5.02$  TeV obtained by the ALICE experiment at the CERN LHC will be presented and compared to p-p, A-A and d-A experimental results at different collision energies and to the available theoretical model predictions.

**Primary author(s)** : Prof. TOIA, Alberica (Goethe University Frankfurt / GSI)

**Presenter(s)** : Prof. TOIA, Alberica (Goethe University Frankfurt / GSI)

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