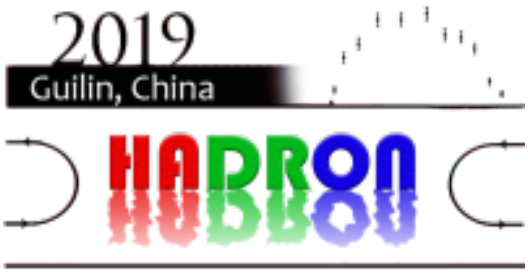


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# Light flavour baryon production from small to large collision systems at ALICE

*Sunday, 18 August 2019 14:45 (20 minutes)*

Studies of light hadron and nuclei production are fundamental to characterise the hot and dense fireball created in ultra-relativistic heavy ion collisions and to investigate hadronisation mechanisms at the LHC. Studies performed as a function of the charged particle multiplicity in proton-proton and proton-lead collisions have shown features not expected and qualitatively similar to what is observed in larger size colliding systems.
The ALICE experiment, exploiting its excellent tracking and PID capabilities, has performed an extensive and systematic study of strange and non-strange hadrons, short-lived hadron resonances and light (anti-)(hyper-)nuclei. A critical overview of these results will be presented through comparison with statistical hadronisation and QCD-inspired models, trying to emphasis the impact of these studies on our understanding of hadronisation processes.

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**Session Classification:** Session 7: Hadrons in hot and nuclear environment including hypernuclei

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