## Quark Matter 2014 - XXIV International Conference on Ultrarelativistic Nucleus-Nucleus Collisions



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## Light flavor hadron spectra at low- $p_{\rm T}$ and search for collective phenomena in high multiplicity pp, p-Pb and Pb-Pb collisions measured with the ALICE experiment

Monday 19 May 2014 12:00 (20 minutes)

Comprehensive results on transverse momentum distributions, their ratios, dN/dy and  $< p_T>$  values for identified light flavor hadrons  $(\pi, K, p, \Lambda, \Xi, \Omega)$  at low  $p_T$  and mid rapidity are reported for all collision systems at LHC energies: pp, p-Pb, Pb-Pb. It is well known that strong collective effects are observed in central Pb-Pb collisions as a particle mass dependent hardening of the spectral shapes attributed to hydrodynamical flow and may be quantitatively parametrized with Boltzmann-Gibbs Blast Wave fits. In this talk, we investigate the existence of collective phenomena in small systems: pp, p-Pb and peripheral Pb-Pb where similar patterns are observed in multiplicity dependent studies. For pp collisions, measurements at three center-of-mass energies  $(\sqrt{s}=0.9, 2.76, 7 \text{ TeV})$  are presented and the evolution of the spectral shape with  $\sqrt{s}$  is discussed.

## On behalf of collaboration:

ALICE

Author: ANDREI, Cristian (IFIN-HH Bucharest (RO))

Presenter: ANDREI, Cristian (IFIN-HH Bucharest (RO))

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