Contribution ID: **34** Type: **Oral**

Heavy ion results by ATLAS and CMS

Tuesday, 4 December 2018 15:20 (20 minutes)

The heavy-ion programmes in the ATLAS and CMS experiments at the Large Hadron Collider aim to probe and characterise properties of the quark-gluon plasma created in relativistic Pb-Pb collisions. Smaller collision systems involving nuclei and protons are used to distinguish between initial and final-state effects. The heavy-ion experiments explored the onset of collectivity in small systems via azimuthal correlations in p-Pb collisions, energy loss of high momentum partons via measurements of photon-tagged jets, jet shapes, heavy- flavour jets, and reconstruction of heavy-flavour hadrons. Results on hot and cold nuclear effects on charmonia and bottomonia via measurements in p-Pb and Pb-Pb are also studied. Measurements of W bosons and top quark production in p-Pb collisions will be presented.

Primary author: KROFCHECK, David (University of Auckland, New Zealand)

Presenter: KROFCHECK, David (University of Auckland, New Zealand)

Session Classification: Parallel 04