Contribution ID: **509** Type: **Plenary report**

Overview of recent Heavy Ion results from CMS experiment

Wednesday 14 October 2020 13:20 (35 minutes)

The CMS detector at the LHC was designed originally as a particle physics experiment but has performed exceptionally well in the high-multiplicity environment of heavy-ion collisions. Over the past decade, the CMS collaboration had delivered multiple ground-breaking results on quark-gluon plasma produced in such collision events. In this talk, I will review the recent CMS results from the Heavy Ion program, covering a wide range of topics, from bulk medium properties to tomographic probes. I will emphasize the new results from jets, heavy flavor, and quarkonia studies, and will close with an outlook for the future running and upgrades.

Primary author: EVDOKIMOV, Olga (University of Illinois at Chicago (US))

Presenter: EVDOKIMOV, Olga (University of Illinois at Chicago (US))

Session Classification: Plenary

Track Classification: Section 4. Relativistic nuclear physics, elementary particle physics and high-energy physics.