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Heavy ion experiments: latest results

Monday, 3 September 2018 10:00 (30 minutes)

Heavy-ion experiments at RHIC and LHC are aimed at studying the properties of strongly interacting matter under extreme conditions. The temperatures and energy densities reached in these high-energy Nucleus-Nucleus collisions lead to a form of strongly interacting QCD matter in which quarks and gluons are no longer confined: the so-called quark-gluon plasma (QGP). A selection of recent results obtained in nucleus-nucleus collisions will be presented and discussed by keeping in mind the corresponding p-Nucleus and p-p results. Indeed, the latter turn out to be not only a reference for heavy-ion studies, but also a topic with intrinsic interest: similarities between “small systems” and heavy-ion collisions have been observed and will be highlighted in the talk.

Presenter: VERCELLIN, Ermanno (TO)

Session Classification: Plenary