



## **Exotic hadrons in heavy ion collisions**

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The experimental progress made in the last decades has allowed the observation of states whose properties do not match to those typical of mesons (states characterized by a valence quark-antiquark pair) and baryons (three valence quarks). The nature and internal structure of these so-called exotic hadronic states remain as a subject of great debate, apparently still far from a definitive answer. The objective of this seminar is to present a brief review and discuss the state-of-the-art of the main theoretical interpretations for the unconventional hadrons proposed in the literature, such as compact tetraquark-like structures and hadronic molecules. We will end with some of our contributions on this topic, which focus on the scenario of heavy-ion collisions.