

Recent ATLAS measurements in heavy-ion collisions

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This talk presents an overview of recent ATLAS measurements in heavy ion collision systems. These include multiple measurements of jet production and structure, which probe the dynamics of the hot, dense Quark-Gluon Plasma formed in relativistic nucleus-nucleus collisions, and measurements of quarkonia and heavy flavor production to probe the QGP medium properties. The final measurement of charged-hadron production in Xe+Xe and Pb+Pb collisions will be discussed. Furthermore, the photo-nuclear events can provide a clean probe of the partonic structure of the nucleus analogous to deep inelastic scattering. This talk will present a new measurement of dijet production in ultra-peripheral Pb+Pb collisions.

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