

## Highlights from the STAR experiment

*Wednesday 22 September 2021 09:00 (35 minutes)*

One of the main aims of the relativistic nuclear physics is an exploration of the properties of hot and dense nuclear matter produced in heavy-ion collisions. The Relativistic Heavy Ion Collider (RHIC) provides a unique opportunity to map the QCD phase diagram colliding different nuclei species and varying the energy of collisions. The second phase of the Beam Energy Scan (BES) program at RHIC covers a broad energy range for gold-gold collisions  $\sqrt{s_{NN}} = 7.7-27$  GeV. The Fixed-target Program (FXT) extends collision energy range available for the analysis down to  $\sqrt{s_{NN}} = 3.0$  GeV.

In this talk, we will present recent results from the STAR experiment and the future plans.

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**Session Classification:** Plenary

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