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The sPHENIX experiment at RHIC

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The sPHENIX experiment is the successor the PHENIX experiment at RHIC and is optimized to study heavy flavor and jets arising from heavy ion collisions. The detector utilizes advanced technologies such as a monolithic active pixel vertex detector while also repurposing technologies originally from other high energy experiments such as BaBar, ATLAS and ALICE. In this talk we will show the design and status of the sPHENIX detector whilst also presenting the projected physics capabilities and planned measurements that the collaboration will work to achieve. sPHENIX is expected to begin data taking in 2023.

Secondary track (number)

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