Abstract Submitted
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Beauty-hadron decay electron production in Pb-Pb collisions at $\sqrt{s_{\rm NN}} = 5.02$ TeV with ALICE[1] ERIN GAUGER, University of Texas at Austin, ALICE COLLABORATION — The LHC heavy-ion program aims at investigating the properties of the quark-gluon plasma (QGP), a state of matter in which quarks and gluons are deconfined. Heavy-flavor quarks (charm and beauty) are effective probes of the QGP, as they are created via initial hard partonic scatterings and subsequently experience the full evolution of the QGP medium. With the ALICE detector, we are able to study beauty quarks through measurements of beauty-hadron decay electrons at mid-rapidity. Since beauty hadrons have a longer lifetime than other electron sources, their decay electrons can be separated using the distance of closest approach of the track to the primary vertex. In this talk, the $R_{\rm AA}$ of beauty-hadron decay electrons in 0-10

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