Contribution ID: **40** Type: **Oral Presentation**

Quarkonium production in Pb+Pb collisions with ATLAS

Monday, June 1, 2020 1:15 PM (20 minutes)

The yields of bound quarkonium states in heavy-ion collisions provide a powerful tool to probe the dynamics of the hot, dense plasma. These measurements are sensitive to the effects of color screening, color recombination, and possibly to other, new phenomena affecting dynamics of heavy quarks in the QCD medium. In this talk, the ATLAS results on bottomonium nuclear modification factor and excited-to-ground state ratio using 2018 Pb+Pb data and 2017 *pp* data both at 5.02 TeV will be presented as a function of transverse momentum and event centrality.

Collaboration (if applicable)

ATLAS

Track

Heavy Flavor and Quarkonia

Contribution type

Contributed Talk

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Session Classification: Parallel

Track Classification: Heavy Flavor and Quarkonia