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## Measurement of the substructure of jets in $pp$ and $Pb+Pb$ collisions using ATLAS Run 2 data

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The substructure of inclusive jets in lead-lead and proton-proton collisions at  $\sqrt{s_{NN}} = 5.02$  TeV is reported using the ATLAS Run 2 data at the LHC. Jet substructure observables have been recently developed to access the internal structure of jets produced in proton-proton collisions. These observables are sensitive to the angular and momentum correlations of the jet fragments, and are thus useful in characterizing the modification of jets in heavy ion collisions providing complementary information to single particle fragmentation functions. In this analysis, jets are reconstructed in kinematic range of  $p_T > 150$  GeV and  $|\eta| < 1.2$  in  $Pb+Pb$  and  $pp$  collisions. The current status of this measurement is presented and discussed in the context of other jet measurements in  $Pb+Pb$  collisions.

### Content type

Experiment

### Collaboration

ATLAS

### Centralised submission by Collaboration

Presenter name will be specified later

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