



Contribution ID: 445

Type: Poster

## Dijet invariant mass measurement for pp and p-Pb at $\sqrt{s_{NN}} = 5.02$ TeV with ALICE

Wednesday 6 April 2022 17:58 (4 minutes)

Properties of dijets may provide sensitive probes of jet quenching in Quark-Gluon Plasma. Dijet invariant mass measurements in small systems provide an essential baseline for such studies in Pb-Pb collisions. In this poster, we present the first measurements of dijet invariant mass in minimum bias pp and p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV by ALICE. Jets are clustered using the anti- $k_T$  algorithm with  $R = 0.4$ , and an azimuthal angle of  $\pi/2$  at minimum between the two jets. The dijet invariant mass is measured in the low mass range from 80 to 150  $\text{GeV}/c^2$ .

**Primary author:** SAARIMAKI, Oskari Antti Matti (Helsinki Institute of Physics (FI))

**Presenter:** SAARIMAKI, Oskari Antti Matti (Helsinki Institute of Physics (FI))

**Session Classification:** Poster Session 1 T04\_2

**Track Classification:** Jets, high-pT hadrons, and medium response