



Contribution ID: 84

Type: **Talk**

## Recent results on jet suppression at the LHC

*Monday 1 August 2022 11:25 (25 minutes)*

Jets in relativistic heavy-ion collisions interact with the quark-gluon plasma (QGP), leading to effects such as a suppression of jet yields and modification of internal jet structure that are used to measure the properties of the QGP. The dependence of jet suppression on the cone size ( $R$ ) and jet  $p_T$  is a useful observable to disentangle competing energy loss mechanisms with a high discriminating power when compared to models. In this talk we discuss the various jet suppression measurements from LHC experiments and its implications. In addition to inclusive jet suppression measurements, results from semi-inclusive event topologies which allow to explore the lowest  $p_T$  regions to track the radiated energy will also be presented.

### Preferred track

Jets & QCD at High Scales

### Subfield

Heavy-ion experiment

### Attending in-person?

Yes

### On behalf of collaboration?

ALICE

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**Session Classification:** Jets and QCD 1

**Track Classification:** Jets and QCD at high scales