



Contribution ID: 284

Type: Poster

## Studies of medium induced modification of jets using photon-tagged jets with the CMS detector

*Wednesday 6 April 2022 17:50 (4 minutes)*

In this poster, measurements of the azimuthal opening angle and transverse momentum correlations between isolated photons and their associated jets, which are sensitive to medium induced parton momentum broadening, are reported for the first time with the high statistics pp and PbPb data recorded in 2017 and 2018. Isolated photon production and their detection techniques will also be summarized.

**Author:** CMS

**Presenter:** CHOU, Pin-Chun (Massachusetts Inst. of Technology (US))

**Session Classification:** Poster Session 1 T04\_1

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