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Type: **Talk**

Measurements of photon-photon fusion at ATLAS

Monday, 7 September 2020 17:45 (25 minutes)

Photon-photon fusion is a rare process at hadron and ion colliders. It is particularly interesting as a remarkably clean interaction with little (if any) remnant activity from the interacting particles. In this talk, we present the status of photon-photon fusion measurements at the ATLAS detector. This includes the production of photon pairs via light-by-light scattering in heavy ion collisions as well as photon-photon fusion measurements in proton-proton collisions that contain two charged leptons in the final state. The experimental techniques used in the proton-proton and heavy-ion measurements are different, due to the different amounts of pile-up activity, and will be discussed in detail.

Is this abstract from experiment?

Yes

Is the speaker for that presentation defined?

Yes

Name of experiment and experimental site

ATLAS, <http://atlas.cern/>

Internet talk

Yes

Details

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