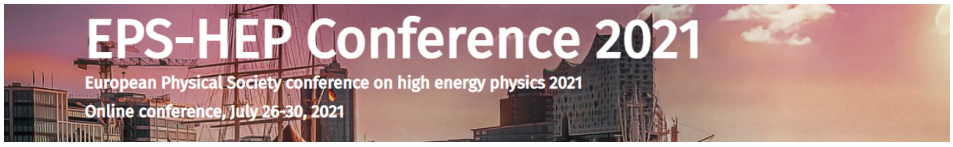

Contribution ID: **170** Type: **Parallel session talk**

Recent observation and measurements of vector-boson fusion and scattering with ATLAS

Monday 26 July 2021 17:15 (15 minutes)

Measurements that exploit the weak vector-boson scattering and weak vector-boson fusion are fundamental tests of the gauge structure of the Standard Model and are sensitive to anomalous weak boson self interactions. In this talk, we present recent results in this contest performed by the ATLAS experiment using proton-proton collisions at sqrt(s)=13 TeV. Measurements of Zjj final states produced via weak-boson fusion are shown, differential cross-section measurements are presented as well as reinterpretation in terms of an effective field theory to constrain new physics beyond the Standard Model. If available, new results on weak-boson production will also be shown.

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Collaboration / Activity

ATLAS

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