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## **Observation of electroweak $W_{\pm}Z$ boson pair production in association with two jets in $p p$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector and prospects for New Physics**

*Tuesday, August 6, 2019 5:15 PM (12 minutes)*

### **Summary**

The observation of electroweak  $W_{\pm}Z$  production in association with two jets in the fully leptonic channel in proton–proton collisions is presented. The data collected by the ATLAS detector at the Large Hadron Collider in 2015 and 2016 at a centre-of-mass energy of  $\sqrt{s} = 13$  TeV are used, corresponding to an integrated luminosity of  $36.1 \text{ fb}^{-1}$ . Prospects for New Physics through the Effective Field Theory interpretation for this channel will be presented.

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