

# First measurements of top quark mass and other properties with Run-2 data in CMS

*Saturday, July 7, 2018 5:30 PM (15 minutes)*

Measurements of top quark properties using data collected by the CMS experiment at 13 TeV are presented. The top quark mass is measured in the lepton+jets channel is consistent with the CMS measurements of Run-1. The top quark mass is also studied as a function of the event kinematical properties. For the first time at the LHC, the width of the top quark is directly probed during Run-2, in what constitutes the most precise direct bound of the top quark width performed to date.

**Presenter:** KOVALCHUK, Nataliia (Hamburg University (DE))

**Session Classification:** Top Quark and Electroweak Physics

**Track Classification:** Top Quark and Electroweak Physics