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

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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. Finally, searches for flavor-changing neutral currents involving top quarks are also discussed including  $tZq$ , and  $tHq$  couplings, in top quark pair and single top production.

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