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Top quark mass measurements with CMS

Measurements of the top quark mass are presented, obtained from CMS data collected in 2011 and 2012 at a centre-of-mass energy of 7 TeV and 8 TeV. The mass of the top quark is measured using several methods. The results of the various channels are combined and compared to the world average. The dependence of the top-quark mass measurement on event kinematics is studied. The top mass and also alphas are extracted from the top pair cross section measured at CMS, including a determination of m_{top} in the $\overline{\text{MS}}$ scheme.

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