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## Single top production in CMS

*Thursday 5 July 2012 11:30 (15 minutes)*

We present measurements of single top quark production, performed using CMS data collected in 2010-2011 at a centre-of-mass energy of 7 TeV. The cross section for the electroweak production of single top quarks is measured in the t-channel using various methods. The combined result is used to place a constraint on the CKM matrix element  $V_{tb}$ . The data sample analyzed allows to study also differential distributions. For the first time, single top production is measured in the tW channel.

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**Session Classification:** TR4 - Top Quark Physics

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