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Strategies for First Data

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The search for Single Top process at LHC using first data will involve several steps, from the identification and reconstruction of objects that characterize Single Top signature (lepton, missing transverse energy, b-jet) to the reduction and modeling of the main backgrounds (multijet, W+jets, ttbar) and the selection of a purified signal sample using advanced statistical techniques. The measurement of the signal itself will require a carefull estimate of all systematic effects that affect the precision. This talk will review the strategies and methods to reach these goals and will present the expected sensitivity for Single Top cross section measurement using early data.

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