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Top mass measurements using the ATLAS detector at the LHC

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Measurements of the top-quark mass with the ATLAS detector in proton-proton collisions are presented. Events where top quark pairs are produced are selected and the top mass distribution is derived from the reconstructed top decay products. The top mass is then measured with the template method. All decay modes of the top quark pairs are used (1+jets, the dilepton and the fully hadronic decay channel). The systematics uncertainties associated to these measurements are discussed in detail.

Summary

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