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Measurements of the top quark mass with the ATLAS detector (15' + 5')

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The top quark mass is one of the fundamental parameters of the Standard Model. The latest ATLAS measurements of the top quark mass are presented. A measurement using lepton+jets events is presented, where a multi-dimensional template fit is used to constrain the uncertainties on the energy measurements of jets. The measurements using dilepton and all-hadronic events are also discussed. In addition, measurements aiming to measure the mass in a well-defined scheme are presented like the measurement using $t\bar{t}$ production with an additional jet to extract the top quark mass in the pole-mass scheme.

Presenter: WILDAUER, Andreas (Max-Planck-Institut fuer Physik (Werner-Heisenberg-Institut) (D))

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