

## **Search for light charged Higgs bosons in top-quark decays with the ATLAS experiment**

A search for light ( $90 \text{ GeV} < m(H^\pm) < 160 \text{ GeV}$ ) charged Higgs bosons by the ATLAS experiment, based on 1.03/fb of proton-proton collision data at  $\sqrt{s} = 7 \text{ TeV}$  using the single-lepton and dilepton channels in  $t\bar{t}$  decays with a leptonically decaying tau in the final state is presented.

**Primary authors:** Mr MADSEN, Alexander (Uppsala University); Dr FERRARI, Arnaud (Uppsala University); Mr PELIKAN, Daniel (Uppsala University)

**Presenter:** Mr MADSEN, Alexander (Uppsala University)