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Rare B decays at ATLAS

Wednesday 10 September 2014 09:00 (20 minutes)

Study of rare and suppressed processes in B-mesons decays with ATLAS. Evidence for New Physics signatures is searched in weak decays that are naturally suppressed in the Standard Model, such as processes with flavour-changing neutral-currents. The measurement of the angular distribution in the decay of B_d into $K^*\mu^+\mu^-$ ($K\pi^+\mu^+\mu^-$) and of the branching ratios for B_s (B_0) into $\mu^+\mu^-$ are presented, reviewing the results from ATLAS and discussing the ongoing programme.

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