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Search for new physics phenomena with heavy flavour quarks in ATLAS

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ATLAS has a wide programme of activities in B-physics. The results of studies in the electro-weak sector and beyond SM searches will be discussed, including CP violation and mixing in the B_0 and B_0 systems, rare decay of B_0 to muon pairs, and angular correlations in the decay of B_0 to $K^0 \mu^+ \mu^-$.

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