Phenomenology 2017 Symposium



Contribution ID: 332 Type: parallel talk

Recent results in B-physics with the ATLAS detector

Tuesday, 9 May 2017 14:15 (15 minutes)

New and recent results from the ATLAS programme of studies in EW physics with open beauty are presented, which includes studies of CP violation in the Bs sector and of FCNC in Bd and Bs.

FCNC processes are sensitive of NP contributions, in particular through additional electroweak loop amplitudes. The angular analysis of the decay of Bd -> K^* mu mu for a number of angular coefficients are measured as a function of the invariant mass squared of the di-muon system for data collected at 8 TeV. Comparison is made to theoretical predictions, including for the observable $P_{\zeta}5$, for which there has been recent tension between theory and experiment.

Summary

Primary author: Prof. PRELL, Soeren (Iowa State University)

Presenter: Prof. PRELL, Soeren (Iowa State University)

Session Classification: Heavy Flavor