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Measuring Semileptonic Asymmetries in LHCb

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The CP-violating flavour-specific asymmetry in neutral B mesons provides a method for testing the Standard Model. The measurements from the D0 experiment yield values of this asymmetry that disagree with the Standard Model, most recently at a level of 3.6 sigma. In this contribution, I will discuss the latest LHCb measurements in this sector for this asymmetry both from B0 mesons (asld) and B0s mesons (asls). Using their 2011 dataset, corresponding to an integrated luminosity of 1.0 fb-1 obtained in 2011, LHCb measured a value of asls = $(-0.06 \pm 0.50 \text{ (stat)} \pm 0.36 \text{ (syst)})\%$, which is the most precise value of asls to date. Also, a new measurement on asld will be presented, based on the full LHC run-1 dataset.

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