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Approaches to evaluating and reporting systematic uncertainties in flavour physics

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The high luminosity and large cross sections enjoyed by LHC experiments means that statistical errors are minimal, and the rigorous treatment of systematic errors becomes very important - an area which lacks the "safety net" of chi squared and other goodness-of-fit measures. This entails including all uncertainties, estimating them properly, and not to inflating the error by including the results of consistency checks. This talk surveys recent papers by ATLAS, CMS and LHCb and examines how the collaborations handle the identification and estimation of systematic errors, the extent to which this is being done correctly, and what lessons can be learned.

Presenter: BARLOW, Roger (University of Huddersfield (GB))

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