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## Time Integrated Analysis of $B_s \rightarrow \Phi \Phi$ at LHCb

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Measurements of the polarization amplitudes are presented using a time integrated analysis for the decay  $B_s$  to  $\phi \phi$  using data collected by the LHCb experiment between March and November 2011. Also presented are measurements of T-violating triple product asymmetries, which if observed to be significantly different from zero could indicate the presence of new physics.

**Auteurs principaux:** M. LAMBERT, Dean (University of Edinburgh); MUHEIM, Franz (Edinburgh); Dr NEEDHAM, Matthew (University of Edinburgh); M. BENSON, Sean (University of Edinburgh); PLAYFER, Steve (University of Edinburgh); Dr XIE, Yuehong (University of Edinburgh)

**Orateur:** M. LAMBERT, Dean (University of Edinburgh)

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