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## Direct and mixing-induced CP violation in charmless two-body B decays in LHCb

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CP violation in charmless charged two-body B decays provides a way to measure the CKM angle gamma from decays involving loop diagrams. Using data collected by LHCb in 2011 we reconstruct a large sample of such decay modes of B hadrons. We present measurements of direct CP violation in  $B(s) \rightarrow K$  pi decays, which are the most precise presently available, as well as of direct and mixing-induced CP violation in  $B0 \rightarrow pi+pi-$  and  $Bs \rightarrow K+K-$  decays, performed for the first time at a hadron collider and the first time ever, respectively.

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