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Charmless three-body meson decays at LHCb

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Charmless three-body decays of B mesons are an ideal place to study CP violation, as contributions from 'loop' diagrams at a similar magnitude to tree-level diagrams, and variation of the strong phase across the so-called 'Dalitz plot', can result in phase-space regions with large CP asymmetries. Furthermore, many of these decays can be used to inform determinations of the angles of the Cabibbo-Kobayashi-Maskawa unitarity triangle. Here, the latest LHCb results on three-body charmless B meson decays are presented.

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