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Measurement of Bc mass and lifetime at LHCb

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The Bc mass and lifetime measurements using the exclusive decay Bc -> Jpsi pi at the LHCb experiment were studied. About 300 signal events are expected for a data set which corresponds to an integrated luminosity of 1 fb-1, with a B/S ratio around 2. Based on these data, the Bc mass and lifetime can be measured with expected statistical errors below 2 MeV/c^2 and 30 fs, respectively

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