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Associated production of Dark Matter and Heavy Quarks at LHC

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In certain models beyond the standard model, the production of Dark Matter in association to heavy flavored quarks represents a privileged channel for a discovery. The LHC experiments have now analyzed a significant amount of Run-II data, publishing significant advancements in final states involving Dark Matter and one or two top or bottom quarks, or bottom quarks from the Higgs boson decays (mono-Higgs).

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