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Heavy Flavor and Quarkonia production at LHCb

The LHCb detector with its excellent momentum resolution and flexible trigger strategy is ideally suited for measuring heavy quark and quarkonia production.
Recent LHCb measurements of inclusive and differential cross-sections of the production of J/\psi and Upsilon as well as charm, bottom and top quarks in pp collisions at different centre of mass energies are presented. The emphasis lies on the the results from data collected at a centre of mass energy of 13 TeV and ratios of cross-sections at different centre of mass energies.
Finally, results on the associated production of Upsilon and open charm hadrons are presented.The measured cross-sections and differential distributions indicate the dominance of double parton scattering as the main production mechanism.

I intend to submit my contribution for the proceedings

Yes

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