

## **Prompt and detached J/psi production in p-p collisions at $\sqrt{s} = 7$ TeV with the ALICE detector**

We will discuss the ALICE measurement preparation of the fraction of detached J/ψ (detected via its di-electron decay) coming from beauty hadrons semi-inclusive decays, i.e  $B \rightarrow J/\psi + X$ .

The measurement relies on the combined use of the ALICE TPC for tracking and particle identification via  $dE/dx$ , the ITS for tracking and detection of displaced vertices and the TRD for particle identification.

Shown results are based on data collected in 2010 in proton-proton collisions at  $\sqrt{s} = 7$  TeV.

With increasing statistics following ALICE forthcoming data-taking, the approach adopted will be also crucial for both extracting the prompt J/ψ contribution from the total J/ψ cross-section, and measuring the differential beauty production cross-section, down to very low transverse momentum.

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**Track Classification:** Heavy flavor and quarkonia production