



# LHC Seminar

**SPEAKER:** Vanya Belyaev (ITEP Institute for Theoretical and Experimental Physics (RU))

**TITLE:** **Observation of double charm production at LHCb**

**DATE:** Tue 07/02/2012 11:00

**PLACE:** Council Chamber

## **ABSTRACT**

The production of  $J/\psi$  together with an open charm meson, and double open charm production are observed in proton-proton collisions at centre-of-mass energy of 7 TeV using an integrated luminosity of 355 pb<sup>-1</sup> collected with the LHCb detector. Model independent estimates of absolute cross-sections are given together with ratios to the measured  $J/\psi$  and open charm cross-sections. The properties of these events are studied and compared to theoretical predictions.