

ICHEP2012



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## Heavy flavour spectroscopy at LHCb

*Thursday 5 July 2012 12:15 (15 minutes)*

LHCb is a dedicated B physics experiment at the LHC. During the 2011 run the experiment collected  $1.0 \text{ fb}^{-1}$  of data. This large data sample allows to explore the b baryon sector with unprecedented precision. We will present the first observation of the  $\Lambda_b^*$  baryons and measurements of the properties of  $\Xi_b$  and  $\Omega_b$  baryons. In addition we will present results on the production and properties of the Bc meson, including searches for previously unobserved decay modes.

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**Session Classification:** TR5 & TR7 - Room 220 - B Physics and CP Violation, etc.

**Track Classification:** Track 5 - B-Physics