

Abstract Submitted  
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**Measurements of beauty cross sections at the CMS experiment**  
ALICE BEAN, U of Kansas, CMS COLLABORATION — The CMS experiment at the Large Hadron Collider has recorded proton-proton collision data at a center of mass energy of 7 TeV during 2010. Several measurements have been made of production cross sections involving the b quark. The open beauty production cross section is presented as a function of muon transverse momentum and pseudorapidity. The mode  $B \rightarrow \mu D^0 X$  is studied. Also presented is a  $\Lambda_b$  integrated cross section measurement.

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