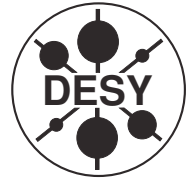


**DEUTSCHES ELEKTRONEN-SYNCHROTRON**  
Ein Forschungszentrum der Helmholtz-Gemeinschaft



DESY-THESIS-2015-035  
August 2015

**Associated Top-Quark-Pair and b-Jet Production  
in the Dilepton Channel at  $\sqrt{s} = 8$  TeV as Test of  
QCD and Background to  $t\bar{t} + \text{Higgs}$  Production**

by

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