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## **[Cancelled] Single production of extra quarks with large width at the Large Hadron Collider**

This paper explores the effects of both finite width and interference (with background) in the single production and decay of extra heavy quarks with charge  $+2/3$  and  $-1/3$  at the Large Hadron Collider (LHC). This dynamics is normally ignored in standard experimental searches and we assess herein the regions of validity of current approaches, using a model independent parametrization. We also evaluate the performances of an experimental analysis at 13 TeV for the determination of the excluded regions in the  $(M_Q, \Gamma_Q)$  plane,  $M_Q$  being the mass of the VLQ and  $\Gamma_Q$  its width.

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