

Abstract Submitted
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Combined Single-Top Search with Early ATLAS Data JENNY
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versity, ATLAS COLLABORATION — We use simulated events to examine the
potential to observe the production of a single-top quark in the early ATLAS data.
For integrated luminosities of less than 100 pb^{-1} , multivariate techniques are used
to extract the single-top quark signal, which is small compared to the background.
Two separate samples are considered, one containing 1 b -tagged jet and another con-
taining 2 b -tagged jets. In both samples, the three single-top channels are combined
to allow for consideration of the full single-top quark signal.

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