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b-Tagging at ATLAS

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The ATLAS detector, one of the two general purpose detectors at the LHC, has collected several hundred inverse picobarns since the start of 2011 running. The large dataset has allowed deeper studies of bottom-quark tagging performance than before possible. Bottom-quark tagging is an important signal/background selection tool used in top analyses, SUSY analyses, Exotics analyses, and Standard Model analyses - anytime heavy flavor is important in the final state. In this talk I will give a very brief overview of ATLAS b-tagging and concentrate on the performance studies, calibrations, and lessons learned with this large dataset.

Primary author: WATTS, Gordon (Department of Physics-University of Washington)

Presenter: WATTS, Gordon (Department of Physics-University of Washington)

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