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Search for heavy vector-like quarks in pp collisions at
 $\sqrt{s} = 13$ TeV with the ATLAS detector

Unlike Standard Model quarks, vector-like quarks are non-chiral with symmetric right- and left-handed couplings. Vector-like quarks are the simplest colored fermion extra generation currently allowed by data and many new physics scenarios predict their existence. The decay of vector-like quarks to Standard Model particles, via Yukawa interactions, results in rich final states consisting of many hadronic and leptonic boosted objects. This seminar will summarize searches for vector-like quarks based on 14.7 /fb of pp collisions at $\sqrt{s} = 13$ TeV recorded in 2015 and early 2016 with the ATLAS detector at the CERN Large Hadron Collider.