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## Real-time flavor tagging selection in ATLAS

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In high-energy physics experiments, online selection is crucial to reject most uninteresting collisions and to focus on interesting physical signals.

The b-jet selection is part of the trigger strategy of the ATLAS experiment and is meant to select hadronic final states with heavy-flavor content. This is important for the selection of physics channels with more than one b-jet in the final state, enabling to reject QCD light jets and maintain affordable trigger rates without raising jet energy thresholds. ATLAS introduced b-jet triggers in 2011 and deployed more complex and better performing tagging algorithms in 2012. An overview of the b-jet trigger menu and its performance on real data is presented in this contribution.

Data-driven techniques to extract the online b-tagging performance, a key ingredient for all analyses relying on such triggers, are also discussed and results presented.

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