



TOWARDS RUN-2

ATLAS/CMS Dark Matter Forum

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PLANS

- ▶ main goal: make simulation of simplified models possible in a timely and effective way
 - ❖ crucial step for us experimentalists to start defining selection criteria and evaluating sensitivities
- ▶ work on implementation of benchmark models
 - ❖ main focus on final states with missing transverse momentum and one (or more) jets
- ▶ expertise on Madgraph event generation at ATLAS using EFT and simplified models with Z'-like mediator
 - ❖ aim at contributing with generator-level studies of different proposed scenarios
 - ❖ interact with theoreticians and generator authors to define a common (ATLAS +CMS) simulation strategy