

# The Run-2 ATLAS Trigger System

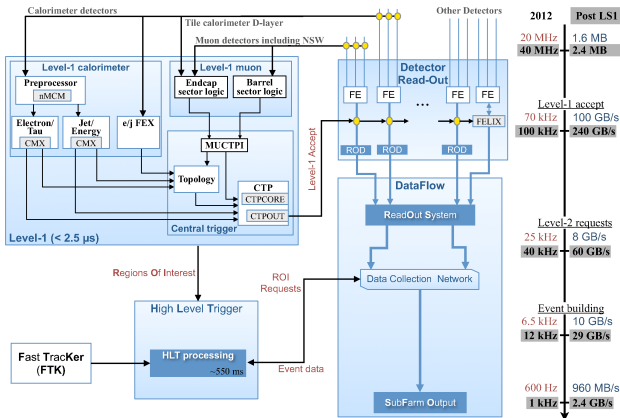
Savanna Shaw

University of Manchester  
On behalf of the ATLAS collaboration

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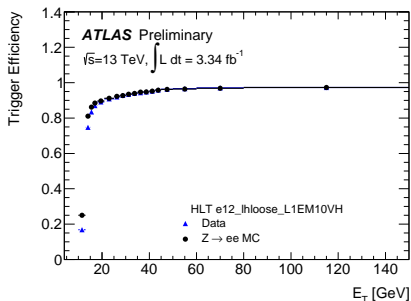
# Introduction

- The ATLAS trigger is a two stage system used to select events for physics analyses.
- Successful operation of the ATLAS trigger in Run-1.
- Many upgrades implemented to cope with increased rates in Run-2.

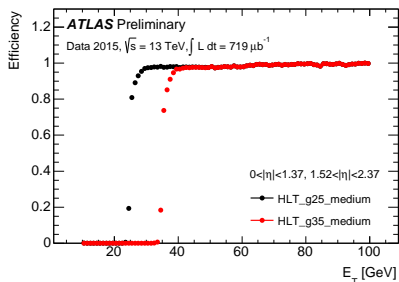


# Performance

- Most bandwidth dedicated to single object triggers
  - Electrons, photons, muons, jets, missing  $E_T$
- Maintained high efficiency in 2015 running.
- Trigger strategies in place for 2016 for continued high performance.



(a) Single electron efficiency



(b) Single photon efficiency