



Triggers for LHC Physics:

Talk Description and Speaker Biography

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Talk Description



Triggering is the earliest (and arguably the most critical) stage of physics analysis at the LHC, as events can only be analyzed after they are first selected online.

I will provide an overview of the trigger systems for the LHC experiments (focusing on ATLAS+CMS) and motivate the design of trigger algorithms

No prerequisite knowledge is required



Speaker Biography



- **Trigger experience**

- Leader of the CMS High Level Trigger Operations group throughout 7 and 8 TeV LHC runs.
- Served as CMS HLT on-call expert from 2009-2012
- Acted as trigger expert/contact for CMS Exotica and Electroweak analysis groups

- **Analysis experience**

- Co-coordinator of CMS Exotica Multijets analysis group
- Lead author in search for heavy right-handed neutrinos and W_R bosons (8 TeV results recently public)