



THE UNIVERSITY *of* EDINBURGH  
School of Physics  
and Astronomy

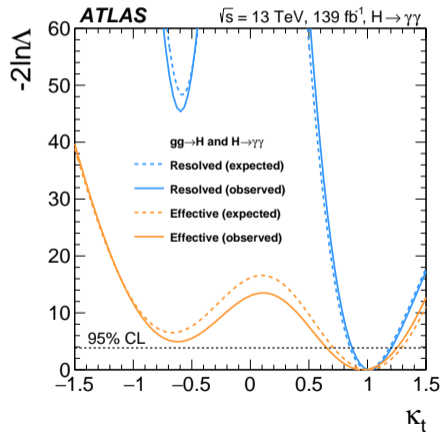
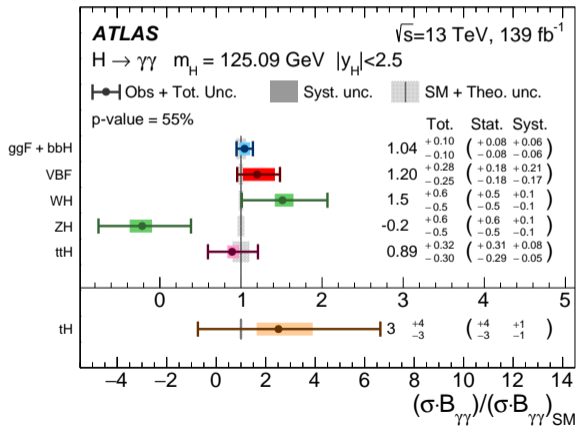
# Higgs analysis & e/gamma triggers

**Dr. Liza Mijović**



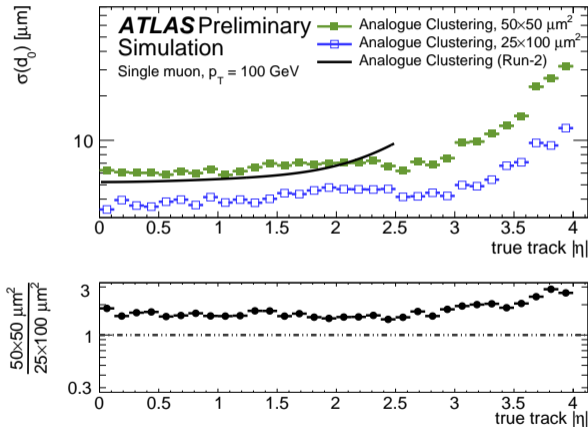
# Higgs analysis

- $H \rightarrow \gamma\gamma$ , in particular novel probes of Yukawa couplings.
- Run2: initiated and delivered first tH search [1].



# $e/\gamma$ Triggers

- Next-generation triggers for HL-LHC.
- Focus: new ways of harnessing tracking.
- Builds on my convenership of ATLAS upgrade tracking group.



# The Group & Edinburgh

## The Group:

- ATLAS Edinburgh group consists of  $\sim 25$  members, the project has synergies in each of Higgs analysis and trigger.
- Line leader for this post: L.M.

## Edinburgh:

the post stands out as follows:

- Higgs centre: world-class seminars & theory collaborators.
- Fellowship opportunities: essential for your future research career.

