Common summary plots ATLAS/CMS

General idea → e.g. see Top Group

Plan of action

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DESY

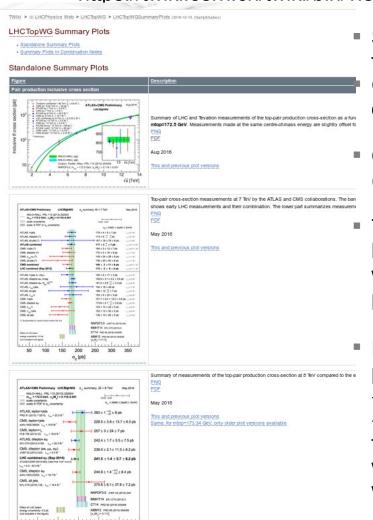




Proposal for Summary Plots

> LHC Top working group has summary page with summary plots

https://twiki.cern.ch/twiki/bin/view/LHCPhysics/LHCTopWGSummaryPlots

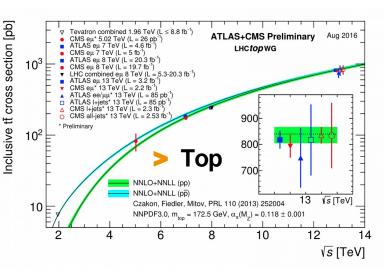


- Some of these are general summary plots, Other stem from specific combinations
 - General summary plots would be useful for LHC EWK dibosons too
 - Currently available mainly privately (no checks) (ATLAS e.g. uses only official paper results)
- Top group has separate svn area for the LHCtopWG to keep macros: https://svnweb.cern.ch/cern/wsvn/toplhcwg write permission to whoever is taking care of the particular plot, to keep the macros up-to-date.
- For the approval process, the plots go through the standard procedure for the respective collaborations, here ATLAS:
 - \rightarrow a min 3 day circulation to the full collaboration.
 - → Then update the plots with all the comments & get the final OK from PC to put them on the web / upload to the web (normal ATLAS public page, plus the LHCtopWG webpage).

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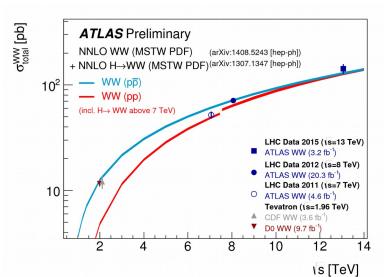
General idea

Possible Summary Plots

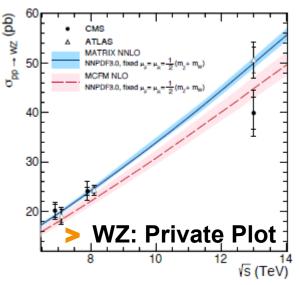


Idea: Do this for: WW, WZ, ZZ → add small inserts ratios (volunteers to iterate on plots?)

Identify possible other final state for total / even fiducial (if same definition) cross sections (could start call within collaborations?)



WW: include/exclude Higgs? CMS missing (preliminary)



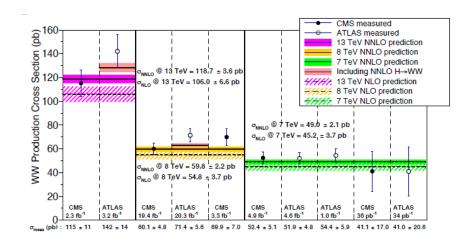


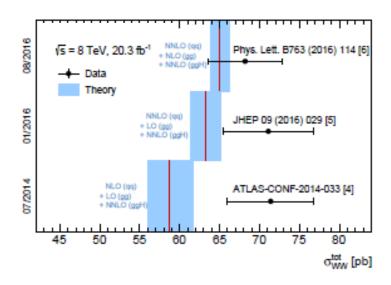
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Other possible plots

> Could also have more specific plots for summary talks

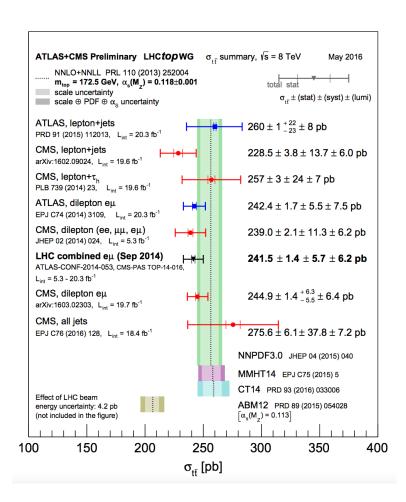
 e.g. for WW and WZ to summarize the theoretical developments together with measurements (→ note again, both private plots)





Other possible plots: aTGC summaries

- > Corresponding to e.g. TOP mass combination
 - (already mainly available from CMS side, but might be nice to have common scripts to be updated everytime)



Eventually possible?

- > Publication of fiducial / differential cross section in same/similar phase ?
 - See again top example → could be also "afterburner" from main publications? (examples include also W asymmetry with extrapolations)

