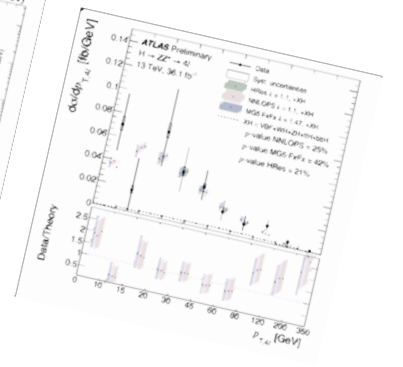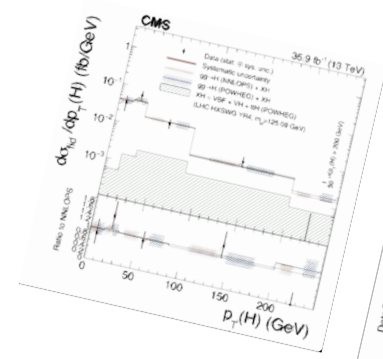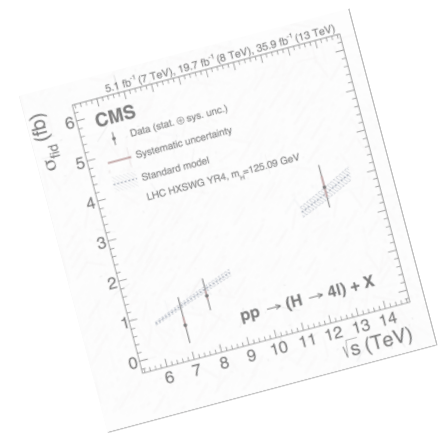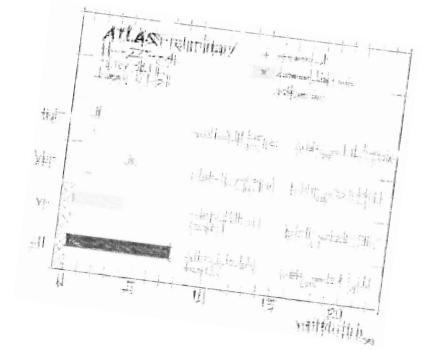# Introduction

Predrag Milenovic (CERN)
Frank Tackmann (DESY)
Nicolas Berger (LAPP)

Fiducial & STXS WG2 Subgroup

New subgroup within the WG2 structure (first meeting today),
- Continuation of the previous fiducial and ST XS efforts (in pre-YR4 era)

Topics covered: Everything related to fid/diffXS and STXS, e.g. :

• **Definition of theory-level selections**

– Fiducial definitions, differential binning, STXS bin definitions

• **Uncertainties on the corresponding theory predictions**

– Maintain an official set of uncertainties, e.g. for STXS.
$\rightarrow$ For STXS, working together with production mode subgroups of WG1 (ggF, VF, VH…)
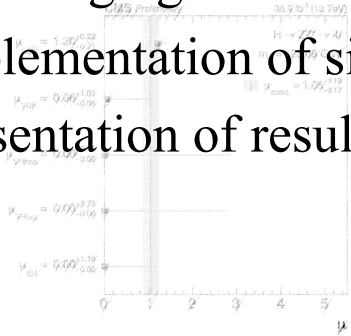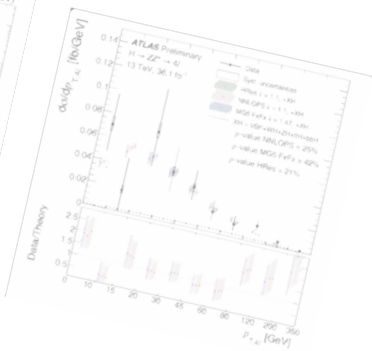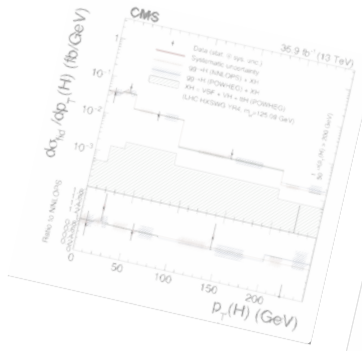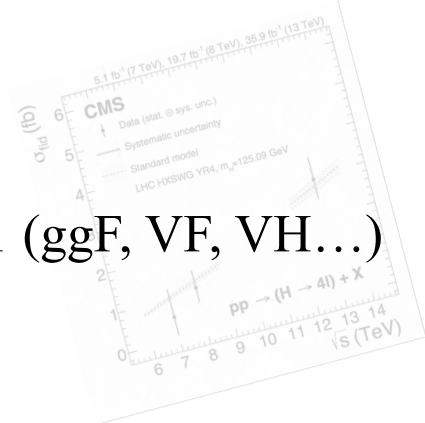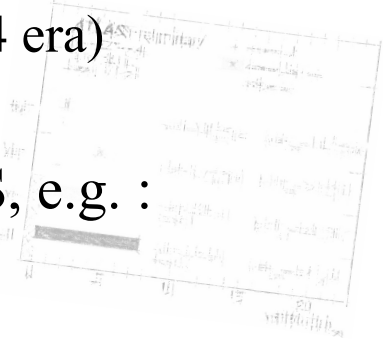
• **Discussion of common issues**

– e.g. model dependence, treatment of out-of-fiducial events

• **Tools and Interpretation frameworks**

– Bin merging

– Implementation of simple models (κ framework)

– Presentation of results

Practical Information

- **Mailing lists**
- Group discussions: lhc-higgs-prop-fidSTXS@cern.ch
- Contact with conveners: lhc-higgs-fidSTXS-convener@cern.ch

- **Please sign-up to the group mailing list if you are interested in following its activity** (will rely on this list for discussions, meetings still could be announced in WG2 list)
- To sign up, just click here

- **TWiki**: https://twiki.cern.ch/twiki/bin/view/LHCPhysics/LHCHXSWGFiducialAndSTXS

- **Meetings**:
- Will be held every 1-2 months, or whenever there are points to discuss
- **If you would like make a presentation, or raise an issue for discussion, please let us know**