Preliminary structure of Combine exercise

Usually includes short statistics refresher and basic fitting in RooFit

- 1. Statistics introduction 30 mins
 - Profile likelihood method, MLE, interval measurements, limit setting
 - Basic fitting in RooFit
 - Material: Slides by Nick Wardle, CMS DAS at Fermilab 2023 Nick Smith
- 2. Combine tutorial 90 mins
 - Focus on binned likelihoods (recently updated parametric tutorial)
 - Debugging
 - Material: previous combine tutorials (probably not to follow exactly due to the limited time)







Preliminary structure of Combine exercise

- 2. Combine tutorial
 - Focus on binned likelihoods
 - Recycle the previous combine tutorial, update the datacards with simplified SM H measurement
 - Discuss physics models (multiSignalModel)
 - Debugging
 - Introduce one-sided NP pull is shapes -> ask participants to figure which input shapes are missing
 - Play with CH Validation tools, replace systematics without shape effects with InN - Introduce automatic ci-validation tool in cms-analysis gitlab (if time allows)
 - Material: previous combine tutorials



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