Introduction

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Workshop in November

- Physics/simulations will have separated (parallel sections) under detector section.
- Hope Physics section a joint one with theory (which will not occupy space in theory sections):
  - HL-LHC and CEPC challenge for EWK
  - HL-LHC and CEPC challenge for Higgs
  - 1 kappa framework results
  - 1 EFT (including EWK) + combination
  - new physics perspectives at CEPC
  - Whizard Generator towards CEPC
  - Fast simulation for CEPC

If these two talks can be taken by theory section, we can more time for discussion

List

- combination and kappa analysis: Jin, Kaili, Yaquan and Liu Zheng
- - EFT: Jiayin, Liantao et al.,
- - implications: Liantao Shufang, et al.,
- - simulations: Manqi, Li Gang et al.,
- - collider and detector: Joao, Manqi et al.,
- - introduction: Liantao et al.,

Globally: Jianming
Volunteers are more than welcome

- Not so clear ones are:
- - higgs recoiling tagging, mass and XS measurements
- - decays: need name list for each channel;

3.5 Production rates of individual Higgs Boson decay modes

- 3.5.1 $H \to b\bar{b}$, $c\bar{c}$, gg Chunhui, Zhijun
- 3.5.2 $H \to WW^*$ Nikos, Jianming, Lianliang
- 3.5.3 $H \to ZZ^*$ Zhuoni Qian, Tao Han
- 3.5.4 $H \to \gamma\gamma$ Jin Wang, Yaquan
- 3.5.5 $H \to \mu^+\mu^-$ Haifeng
- 3.5.6 $\sigma(e^+e^- \to \nu\bar{\nu}H) \times \mathrm{BR}(H \to b\bar{b})$
- 3.5.7 Higgs boson decays to exotic particles

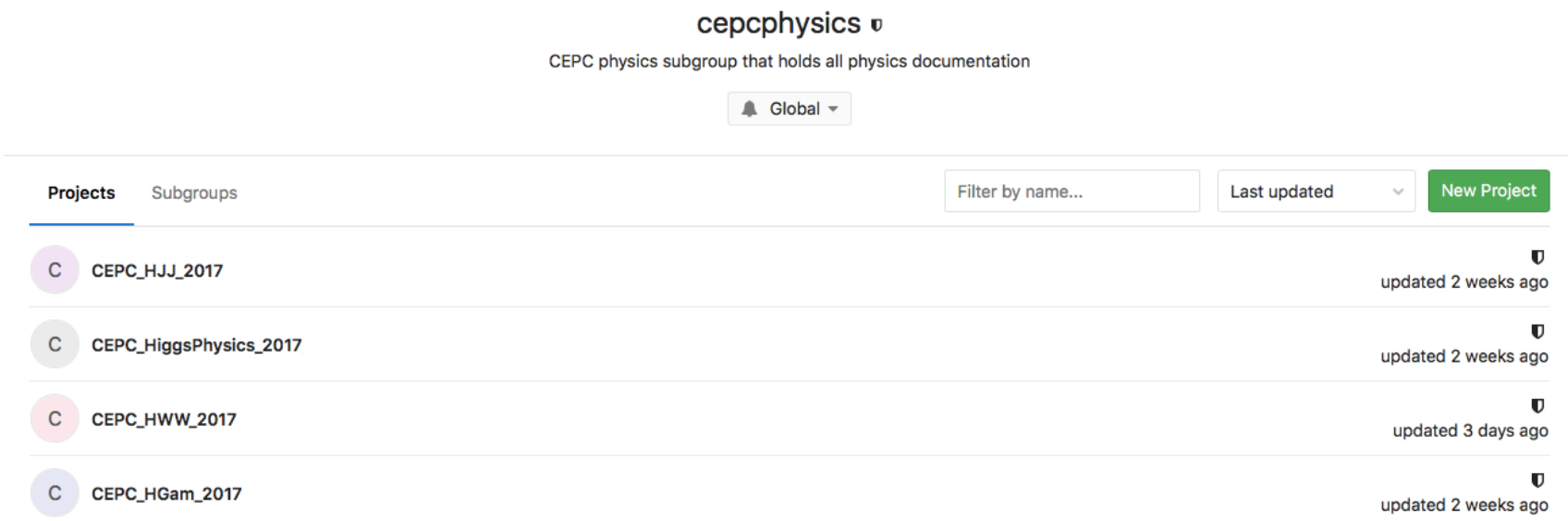
H->tautau Xin Chen

H->Zy Weiming

Git for physics white paper

- http://cepcgit.ihep.ac.cn/cepcdoc/cepcphysics

Follow Jin's slides to apply an account :
http://indico.ihep.ac.cn/event/6923/contribution/1/material/slides/0.pdf



How to use it (similar as svn)

Below is a very simple instruction on the usage of git only for those who never used git. This instruction resembles the svn and ignores some key features of git.

- To download the repository (same as "svn co"), do:

  git clone http://cepcgit.ihep.ac.cn/cepcdoc/cepcphysics/CEPC_HiggsPhysics_2017

- Once you created a new file or made any changes on existing file "modifiedfile.tex", do (similar as "svn ci -m" but not submit to the server yet):

  `git add modifiedfile.tex` (In svn you use "svn add" to stage a new file. While in git both new files and new modifications need to be staged with "add")

  ```
  git commit -m "messages about your modifications"
  ```

  You can also use "-am" to do the "add" and "commit" the same time with all the changes you made (but if there are new files/directories, you need to use the full version "git add"):

  ```
  git commit -am "messages about your modifications
  ```

- If you want to push the commits you've done back up to the server (this plus previous step will serve as "svn ci -m" and it requests access rights):

  `git push`