Report form Physics Analysis

- Higgs Physics

  - Higgs decay branch ration measurement

    - Higgs to bb/cc/gg bb/cc/gg estimated via template fit, combined $\nu\nu$H,qqH and llH channel, the precision for bb/cc/gg Br was estimated as 0.2%, 2% and 3%.

    - Higgs to WW(Liao Libo)

      - ZH->$\nu\nu$qqqq/μμlνqq/μμlνlν/eelνqq/eelνlν: Br(H->WW) precision 0.47%(stat.), extrapolate to Higgs width 2.48%

    - Higgs to tautau (Yu Dan, Li Ke), tau-tag studied via μμH->μμtautau sample.(See Like's talk http://indico.ihep.ac.cn/event/6772/session/1/contribution/7/material/slides/0.pdf)

    - Higgs to μμ/ee(Cui Zhengwei, Wang Lei) : optimized in ZH->$\nu\nu$μμ(4.4σ), μμμμ(0.85σ), eeμμ(0.62σ) channel

    - t-channel $\nu\nu$H->$\nu\nu$qq:(Liang Hao) in progress, see http://indico.ihep.ac.cn/event/6609/session/1/material/0/0.pdf