



Weekly

Kaili

2019.11.11

- Coupling fits?
- 360GeV or not
- Mine + Zhen + Jiayin results? $C_x \cdot Br$ / $Kappa$ / EFT?
 - Then do not have reports.
- Synergy with Fcc or other experiments?

Tuesday, 19 November 2019

08:30 - 10:00 Higgs

Conveners: Dr. Zhen Liu, Dr. Jorge De Blas

08:30 **Higgs precision meets BSM models 25'**

Speaker: Prof. Shufang Su (University of Arizona)

08:55 **Multi-lepton anomalies at the LHC and the impact on Higgs physics in the e^+e^- colliders 25'**

Speakers: Bruce Mellado (University of the Witwatersrand), Prof. Bruce Mellado (University of the Witwatersrand)

09:20 **Higgs couplings fits 20'**

Speaker: Kaili Zhang (IHEP)

09:40 **$H \rightarrow \tau\tau$ analysis in the future e^+e^- colliders 20'**

Speaker: Mrs. Dan YU (LLR)

- Workspace requirement
 - Could be discussed in the next ML meeting
- Weight calculation
 - =mcWeight*pileupWeight*vertexWeight*diphoton weight
 - *33.41*0.138%(2*0.228%*(21.5%+6.32%+2.64%))*Eff_Filter(17% or 10%)
 - *JVT*BVETO*each Electron*each Muon

weight()
lumiXsecWeight()
Other SFs

Previous weight do not apply all the listed weight above (like the 2nd lepton). Would rerun all the samples. (Though not big difference)

- Variables optimization
 - Change MET related variables calculation (Like $M_T(leptons + MET)$ and $Cos(\Delta\phi)$)
 - Use hasProdVtx and status() to select truth H/W/Z/Tau.

Others

- ARP Permission