

# Weekly report IHEP

---

Xiaohu SUN

-----  
28-07-2015  
IHEP

CDS entry

[wwyy]<https://cds.cern.ch/record/1967498>

[bbττ]<https://cds.cern.ch/record/1967500>

[combination]<https://cds.cern.ch/record/1984111/>

[paper draft]<https://cds.cern.ch/record/2008753/>

# STATUS – HH combination

- **Higgs plenary closure approval**
  - <https://indico.cern.ch/event/433602/>
- **CDS entry**
  - [wwyy]<https://cds.cern.ch/record/1967498>
  - [bbττ]<https://cds.cern.ch/record/1967500>
  - [combination]<https://cds.cern.ch/record/1984111/>
  - [paper draft]<https://cds.cern.ch/record/2008753/>
- Finalize paper draft, mainly editorial issues
- Going to 1<sup>st</sup> circulation
- ATLAS weekly 4' report (this week) – Keita
- Open presentation (the next week) - Xiaohu

# STATUS – MC15 in HBSM

- The current MC status of HBSM
  - **MSSM** ggF bbH tautau [done] “50ns”, now preparing for 25 ns
  - **HH bbyy** [done] “50ns”, 25ns being discussed
  - **AZh** (Hbb) [almost done] “50ns”, “25ns ongoing”
  - **H+ taunu** high/intermediate [done] “50+25ns”
  - **H+ tb** high [in preparation]
  - **H aa** low mass [done] “25ns”
  - **H JpsiGamma PhiGamma** [done] “25ns”
- Each physics domain in HBSM has requested relevant samples for early studies
- Full mass points are requested in general; most production modes are covered or being discussed
- Most of our requested MC15 productions are complete with 50ns
- Some early requested samples (MSSM, HH-bbyy) started to ask for 25ns samples