

# Flavor tag samples

Possible candidates :

a) 250GeV:  $\nu\nu b\bar{b}$ ,  $\nu\nu c\bar{c}$ ,  $\nu\nu q\bar{q}$

b) 91GeV:  $b\bar{b}$ ,  $c\bar{c}$ ,  $q\bar{q}$

c) 250GeV:  $b\bar{b}$ ,  $c\bar{c}$ ,  $q\bar{q}$

d) 250GeV:  $b\bar{b}b\bar{b}$ ,  $c\bar{c}c\bar{c}$ ,  $q\bar{q}q\bar{q}$

) Indispensable?

) if possible?

← This may give a better performance for multi-btagging analyses.

**Can we have all (or some of) these samples (100k/500k for each process?) ?**

**Do we want flavor tag training with 4b, 4c, 4q samples?**

**Any other ideas?**

**With feedbacks from you, we will discuss what we will request.**