### **Conclusions and outlook**

What have we learned?



#### LHC direct searches:

- probe the few-hundred GeV region
- plenty of opportunities for new searches

## **Conclusions and outlook**

#### What have we learned?

Low energy flavor physics \* models cannot be "generic"

- in flavor space, if we want new Higgs bosons at the EW scale
- Interesting protection mechanisms against too large FCNCs (NFC, ...)
- New flavor structures can totally modify the heavy Higgs pheno



# **Conclusions and outlook**

### What have we learned?



Plenty of opportunities to test dark sectors using the 125 GeV Higgs boson.

Complementarity with low energy collider experiments.

