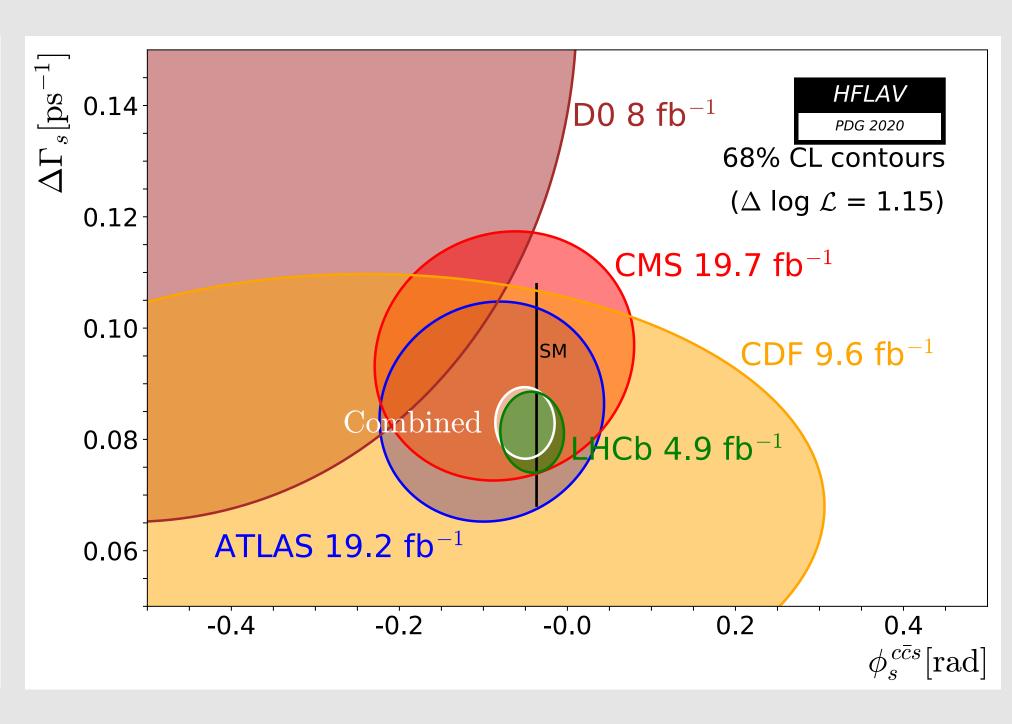# Answers

Which aspects are important for a time-dependent CP violation measurement in Bs->J/psi phi with J/psi->mu+mu- and phi->K+K-?

- Decay-time resolution, hadron identification and flavour tagging are all important as discussed, while EM calorimeter is not needed

- Muon identification is also important to identify the J/Ψ decay products

  ➡ In fact, muon ID can be so powerful that in practice you can get away even without hadron ID, which is why ATLAS and CMS can also measure this channel

- The top-right plot shows the combination of measurements of the decay-width difference in the B_s system and of the CP-violating phase ϕ_s where the experiment contributions are dominated by $B_s \rightarrow J/\psi\phi$