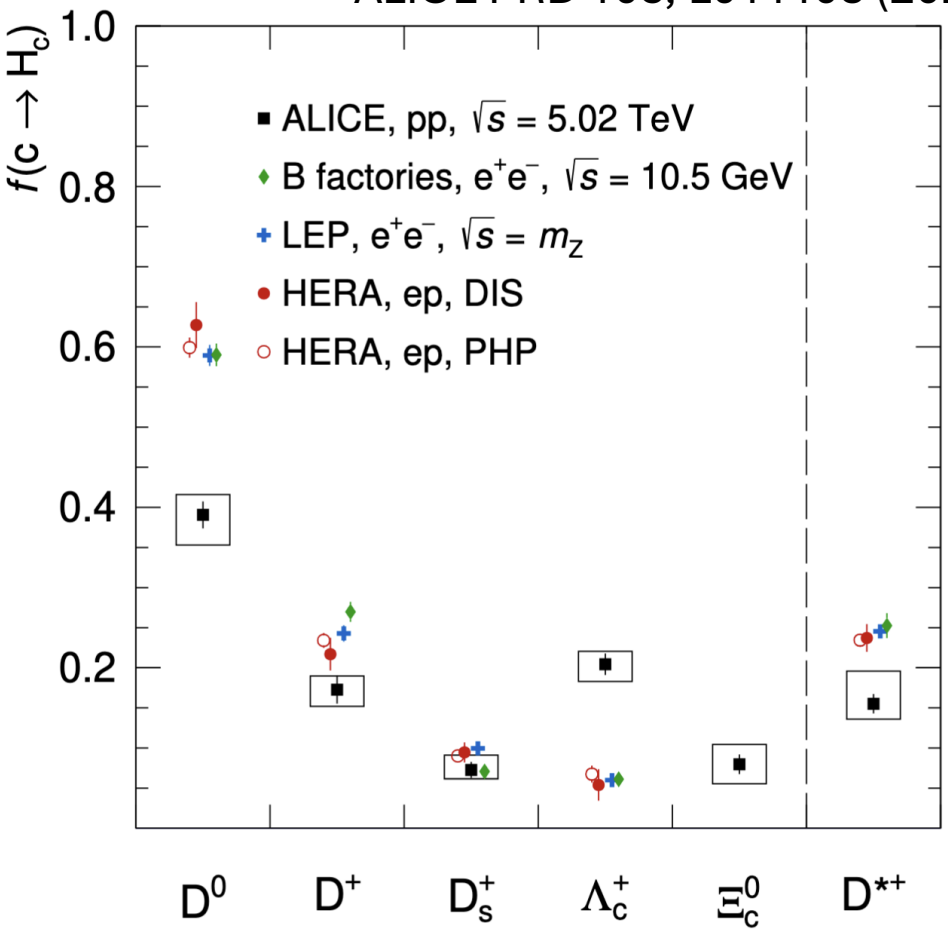
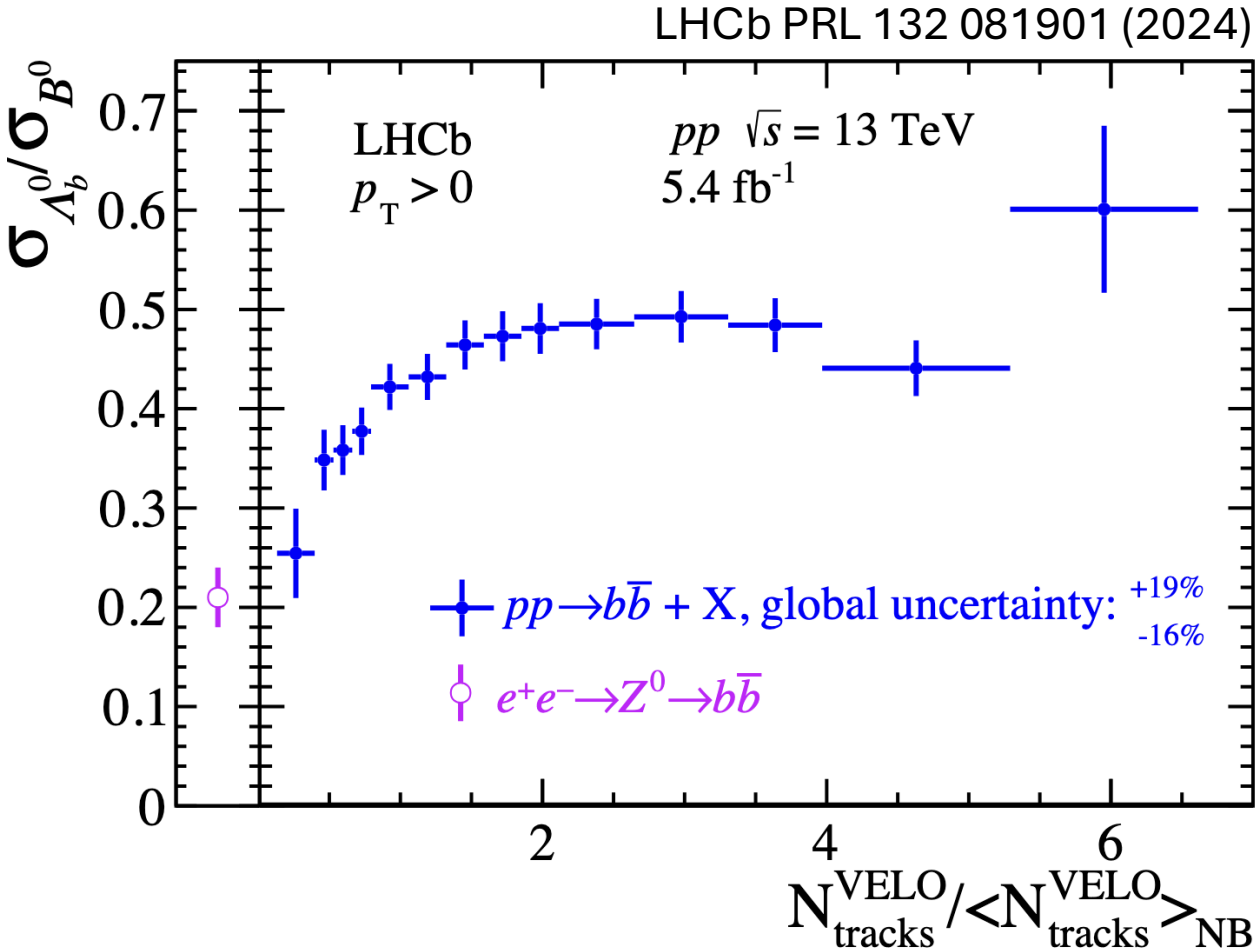
It is well established that baryon production is enhanced at the LHC, relative to e^+e^- collisions.

Can the same mechanism increase the production rate of tetraquarks and pentaquarks?
If so, what can this tell us about their structure?

ALICE PRD 105, L011103 (2022)



LHCb PRL 132 081901 (2024)



- **What new measurements should we prioritize?**
  - Continued cataloging of exotic states?
    - b decays, prompt production
  - Exotic states across collision systems?
    - For example, X(3872) in pp, pA, AA, UPC?
    - Measurements at different energies (SMOG at LHCb, RHIC)
    - Photoproduction at the EIC?
  - Measured interactions between hadrons (i.e. femtoscopic correlations between molecule constituents) ?
  - Something else?