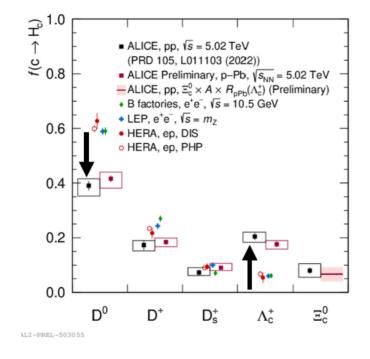
Flavor dependent hadronization studies at the LHC

Small systems discoveries: significant impact on hadronization modeling

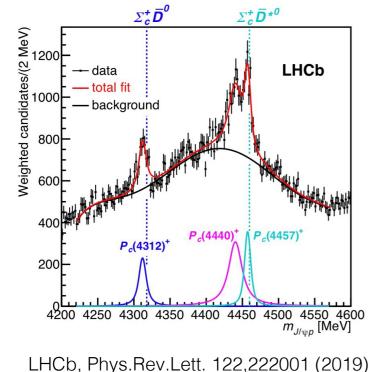
Non-universality of charm fragmentation

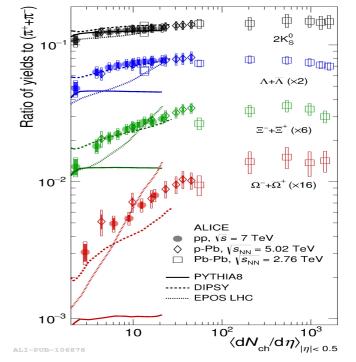
Strangeness enhancement as function of centrality



ALICE, Phys.Rev.D 105, L011103(2022)

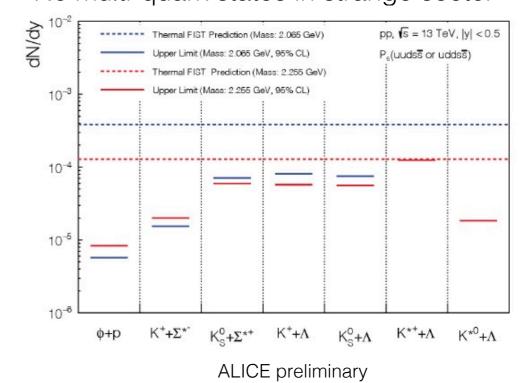
Multi-quark states in charm sector





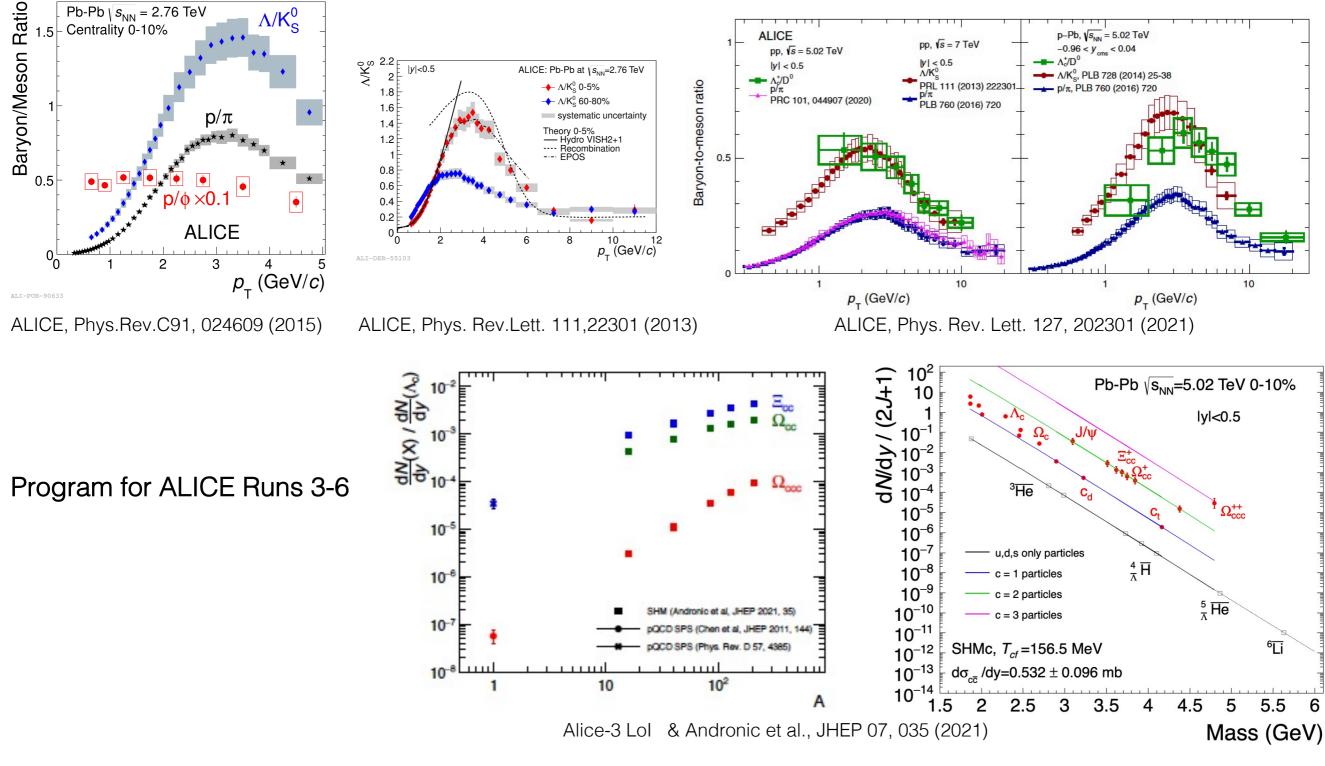
ALICE, Nature Physics 13, 535 (2017)





Large systems discoveries:

Comparable B/M pattern for all flavors and system sizes (magnitude changes as f(flavor & system size))



Significant questions to be answered: - role of entanglement in initial/final state, fragmentation/coalescence,

- flavor dependent formation models in quark and hadronic state,
- probability of hypermatter in high T and ρ systems