Heavy Quarks
- Heavy quarks (beauty, charm) are produced via hard partonic scattering processes
- The mass of heavy quarks sets a perturbative scale, which can be computed with perturbative QCD

Charm hadrons
- Test models of the hadronization mechanism
- Investigate universality of fragmentation functions

Efficiency
- The efficiency correction is calculated using the GEANT3 transport code

Results
- Measurement of $\Xi^0_c$ $p_T$ spectrum, $2 < p_T < 8$ GeV/c
- The ratio of the $\Xi^0_c$ cross section at 5 and 7 TeV provides constraints on models calculations

Acknowledgement
- This work is partly supported by the National Key Research and Development Program of China under Grant Nos. 2016YFE0100900 and the National Natural Science Foundation of China under Grant Nos. 11875143 and 11475068.

Reference