

## Hadron in Jet Fragmentation

*Wednesday, 30 May 2018 18:10 (20 minutes)*

Collimated jets of hadrons and their substructure play a central role at present day and future collider experiments. In particular in the past years, it has been realized that the measurement of hadron distributions inside jets can provide valuable information about QCD. On the one hand, identified hadrons can be used to precisely map out the energy distribution inside jets both in the longitudinal and transverse direction. On the other hand, new insights into the QCD hadronization mechanism can be obtained. By first reconstructing jets in the final state, these new observables capture additional information about the final state event topology compared to traditional hadron spectra. In this talk, I review the significant progress that has been made recently both from the theoretical and the experimental side.

### **E-mail**

fmringer@lbl.gov

**Primary author:** RINGER, Felix

**Presenter:** RINGER, Felix

**Session Classification:** PGDNN / QMHI

**Track Classification:** PGDNN