Absolute branching fractions for Λ_c^+ decays at BESIII

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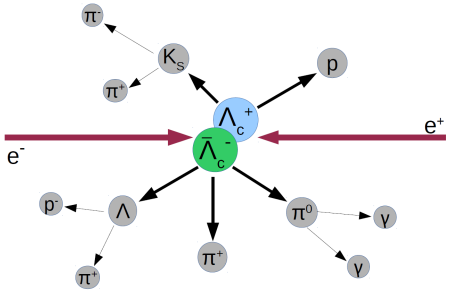
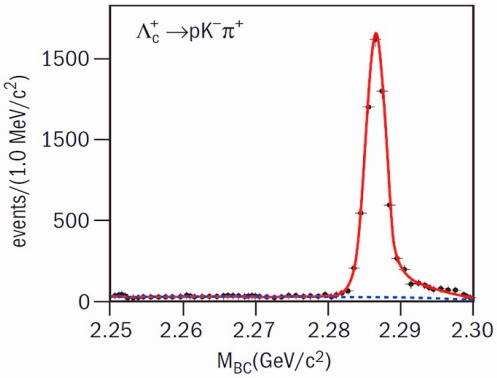


- ◎ Λ_c^+ : ground state of charmed baryon
  - cornerstone of charmed baryons spectroscopy
  - Ideal laboratory to understand the weak and strong interaction
  - complementary to charmed meson, input for studying b-flavored baryon
- ◎ 567 pb^{-1} e^+e^- collision data at $\sqrt{s}$=4.6GeV collected with BESIII detector
- ◎ Straightforward absolute branching fractions measurements:
  - hadronic decays:

    twelve CF decays, $\Lambda_c^+ \to pK_S^0\pi^+$, $\Lambda_c^+ \to p\pi^+\pi^-$
  - semi-leptonic decays: $\Lambda_c^+ \to \Lambda l^+ \nu_l$



- ◎ Rich results presented, broad perspective and great potential expected for BESIII

More materials: https://indico.cern.ch/event/432527/contributions/1072504/