

## Measurement of branching fractions for $\Lambda_c^+$ decays to $\Sigma^+ K^+ K^-$ , $\Sigma^+ \phi$ and $\Sigma^+ K^+ \pi^- (\pi^0)$

Wednesday, 17 August 2022 18:15 (10 minutes)

Based on analyzing  $4.45 \text{ fb}^{-1}$  data taken at seven center-of-mass energies ranging from 4.600 to 4.699 GeV with the BESIII detector at the BEPCII collider, we measure the branching fractions for  $\Lambda_c^+ \rightarrow \Sigma^+ + \text{hadrons}$  relative to  $\Lambda_c^+ \rightarrow \Sigma^+ \pi^+ \pi^-$ . By quoting the world average branching fraction of  $\Lambda_c^+ \rightarrow \Sigma^+ \pi^+ \pi^-$ , their branching fractions are measured.

### Category

poster

**Primary author:** LI, Jingshu (Sun Yat-Sen (Zhongshan) University)

**Presenter:** LI, Jingshu (Sun Yat-Sen (Zhongshan) University)

**Session Classification:** Posters

**Track Classification:** Posters