



Contribution ID: 56

Type: **Parallel**

Studies of $\Lambda_c(2765)^+$ quantum number and other charmed baryons at Belle

Sunday, 18 August 2019 14:25 (20 minutes)

$\Lambda_c(2765)^+$ (or $\Sigma_c(2765)$) is the lightest charm baryon of which presumable identification by quark models is not known.

Currently, its properties are poorly known: J^P and isospin are not determined and no uncertainty is given in the width measurement.

With $980 \text{ fb}^{-1} e^+e^-$ collision data collected with Belle detector, we perform the determination of quantum number.

In this presentation, detail and result of the analysis are presented. We also report recent measurements on other charmed baryons at Belle.

Primary author: Dr TANIDA, Kiyoshi (Japan Atomic Energy Agency)

Presenter: Dr TANIDA, Kiyoshi (Japan Atomic Energy Agency)

Session Classification: Session 2: Baryon spectroscopy

Track Classification: Session 2: Baryon spectroscopy