

A new possible resonance at Belle

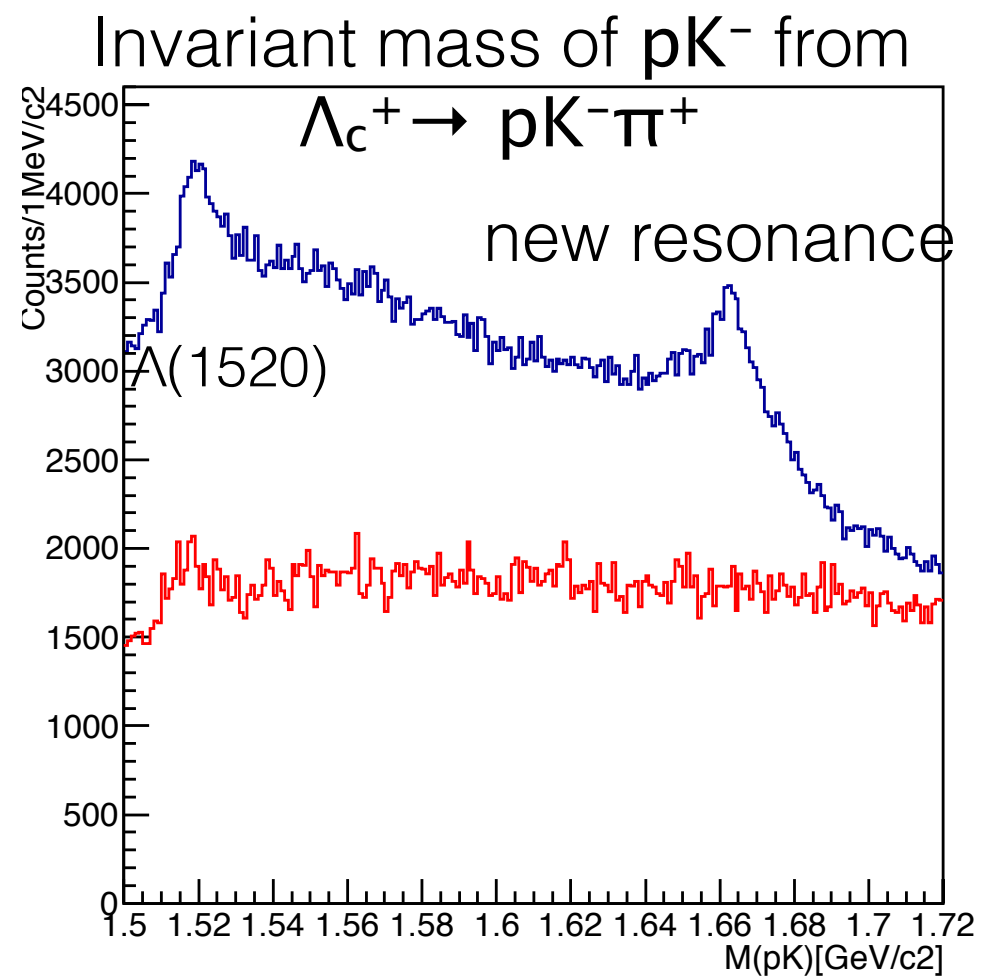
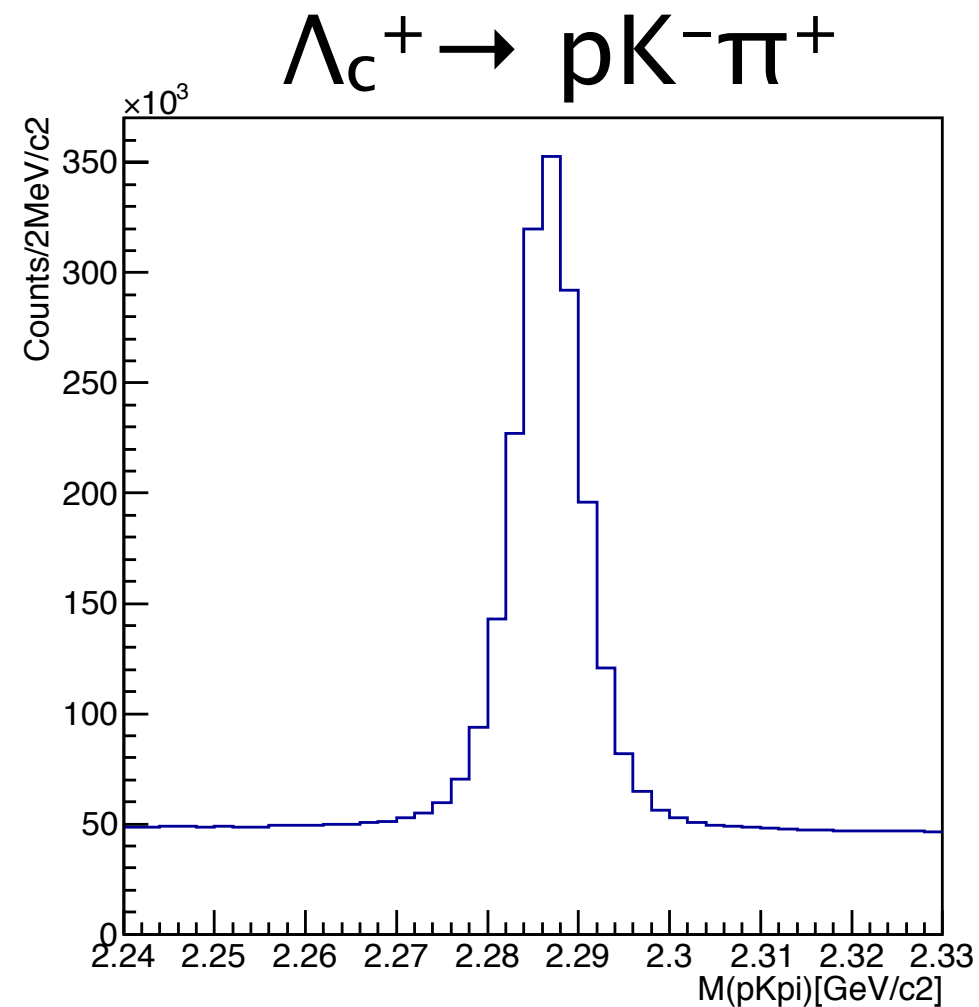
2017. 02. 08

Jaeyong Lee

Analysis Progress

1. Working on neutral particle (especially η reconstruction) analysis at Belle
- nothing to show
2. kp invariant mass spectrum background study using sideband cut of Λ_c^+ mass spectrum.

Background with Λ_c sideband cut



Blue line (signal region) Λ_c^+ $2.2804 < \text{mass} < 2.2925$

Red line (sideband) Λ_c^+ $2.264 < \text{mass} < 2.270 \parallel 2.302 < \text{mass} < 2.308 \text{ GeV}$