

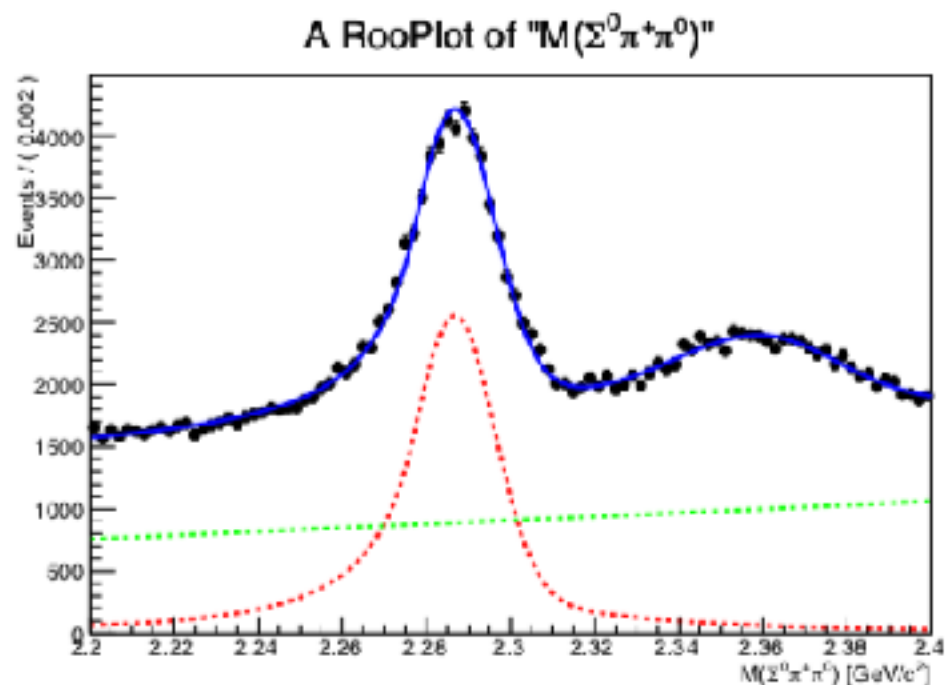
# HANUL Meeting

## 2018. 07. 25

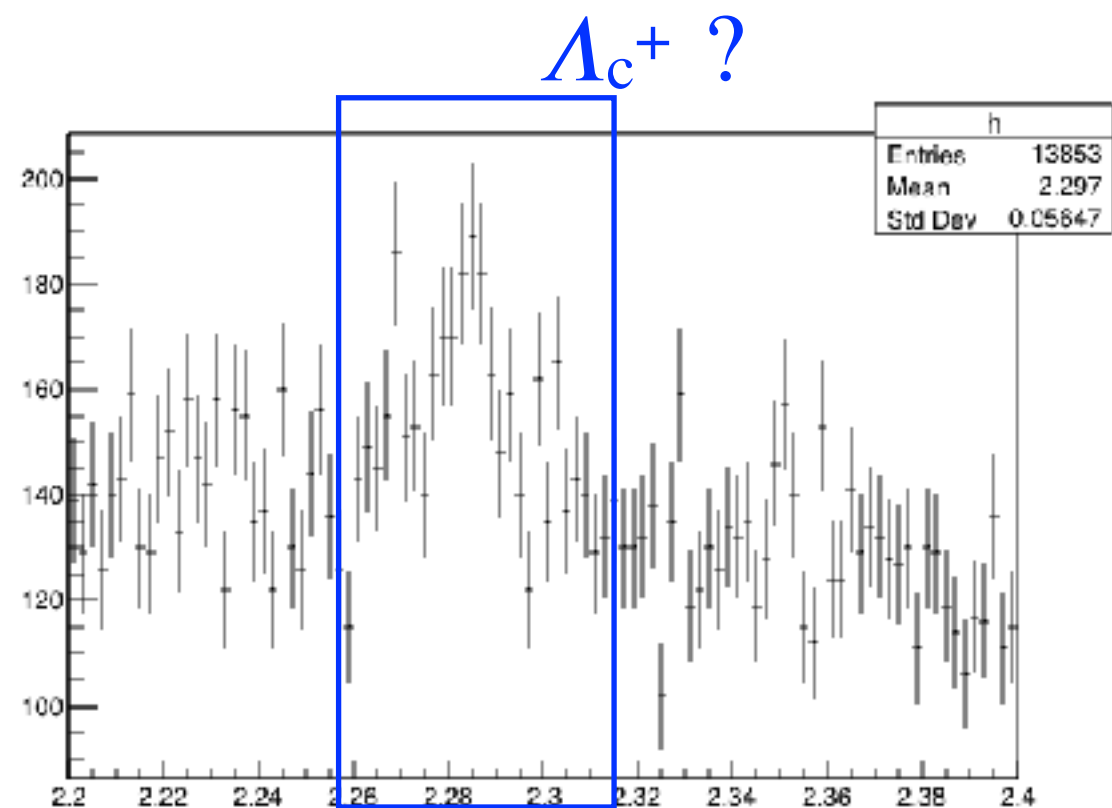
YoungJun Kim

# Belle Analysis

- $(\Sigma\pi\pi\pi) \rightarrow \Lambda_c^+$  reconstruction failed...
- $(\Sigma\pi\pi) \rightarrow \Lambda_c^+$  reconstruction ?



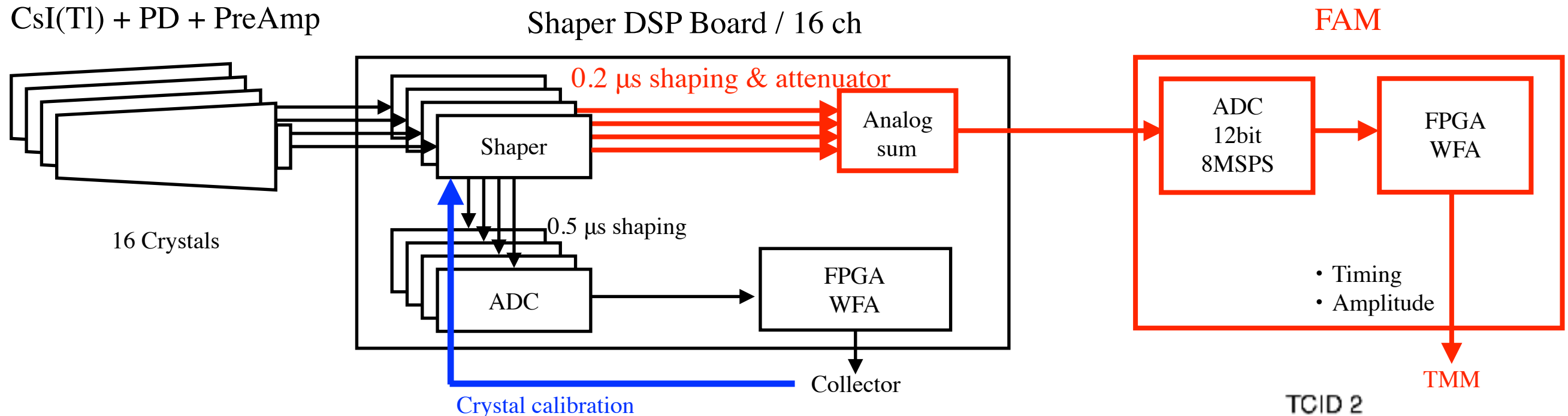
Belle note by M. Berger



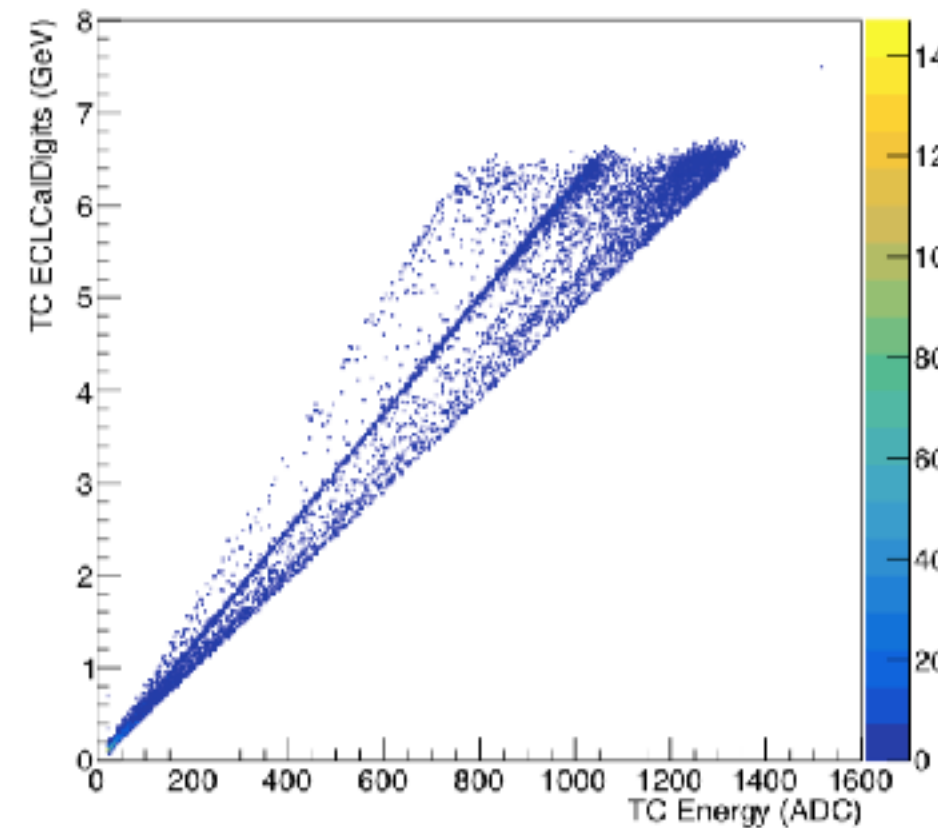
$\Sigma\pi\pi$  invariant mass

- $p_{\pi^0} > 0.1$  &&  $E_{\gamma} > 0.05$  &&  $0.5 < X_p < 1$   
&&  $m_{\pi^0}$  in  $0.1349766 \pm 0.015$   
&&  $m_{\Sigma^0}$   $1.1826 \pm 0.05$

# Trigger Cell Calibration



- Beam data, Energy calibration
  - Multiple lines??
  - Mismatch between ECLCalDigits coefficient and attenuator coefficient?



# Trigger Cell Calibration

- Beam data, Time offset calibration
  - Strong run dependency → Low statistics, background event?
  - Background event veto??
    - Number of cluster, cluster energy, TC timing, geometrical back to back, trigger summary...
- Automatization...

**back up**

$\Sigma^0 \pi^0 \pi^0 \pi^+$

