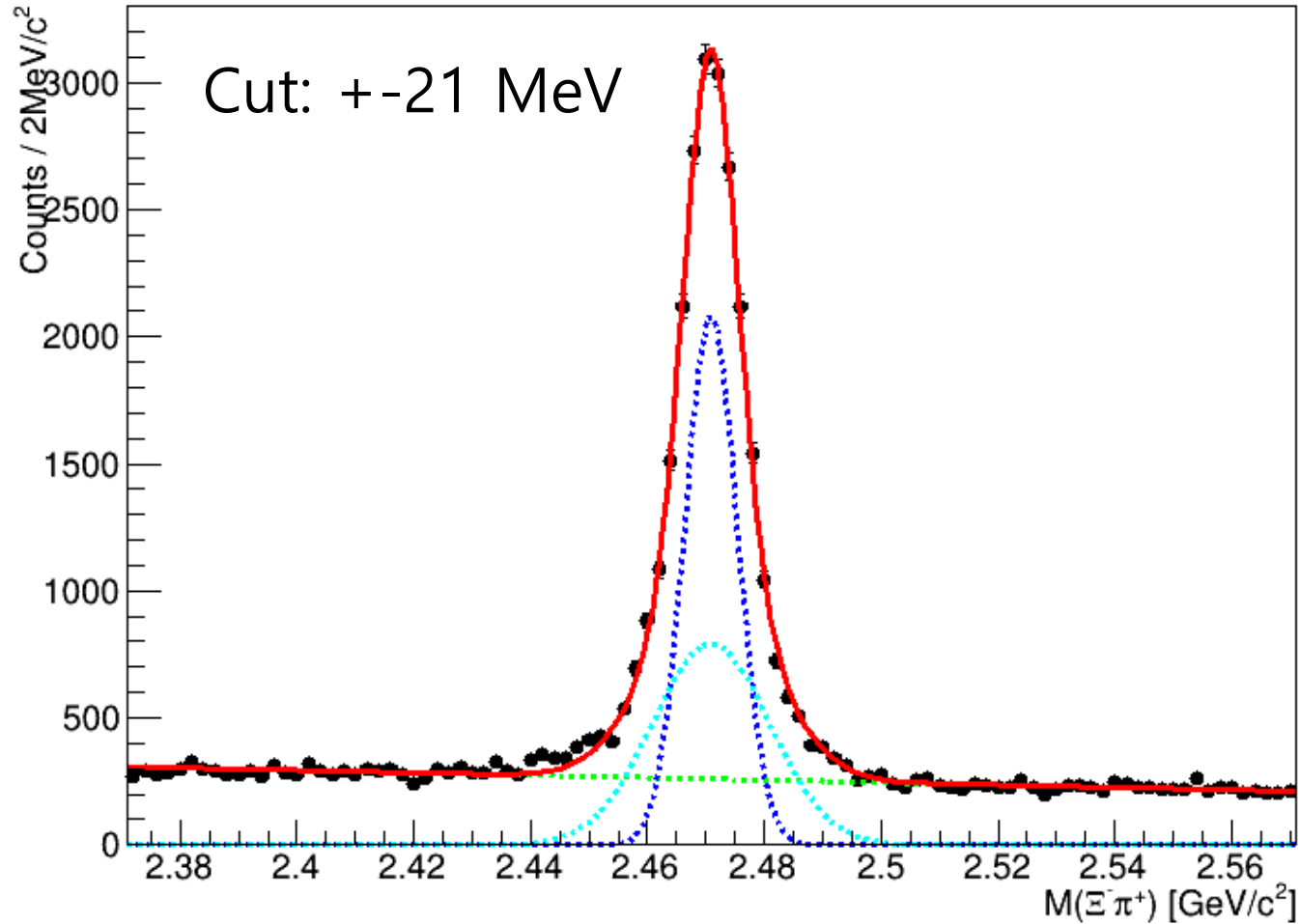# HANUL Meeting

May 23th, 2018

Seongbae Yang

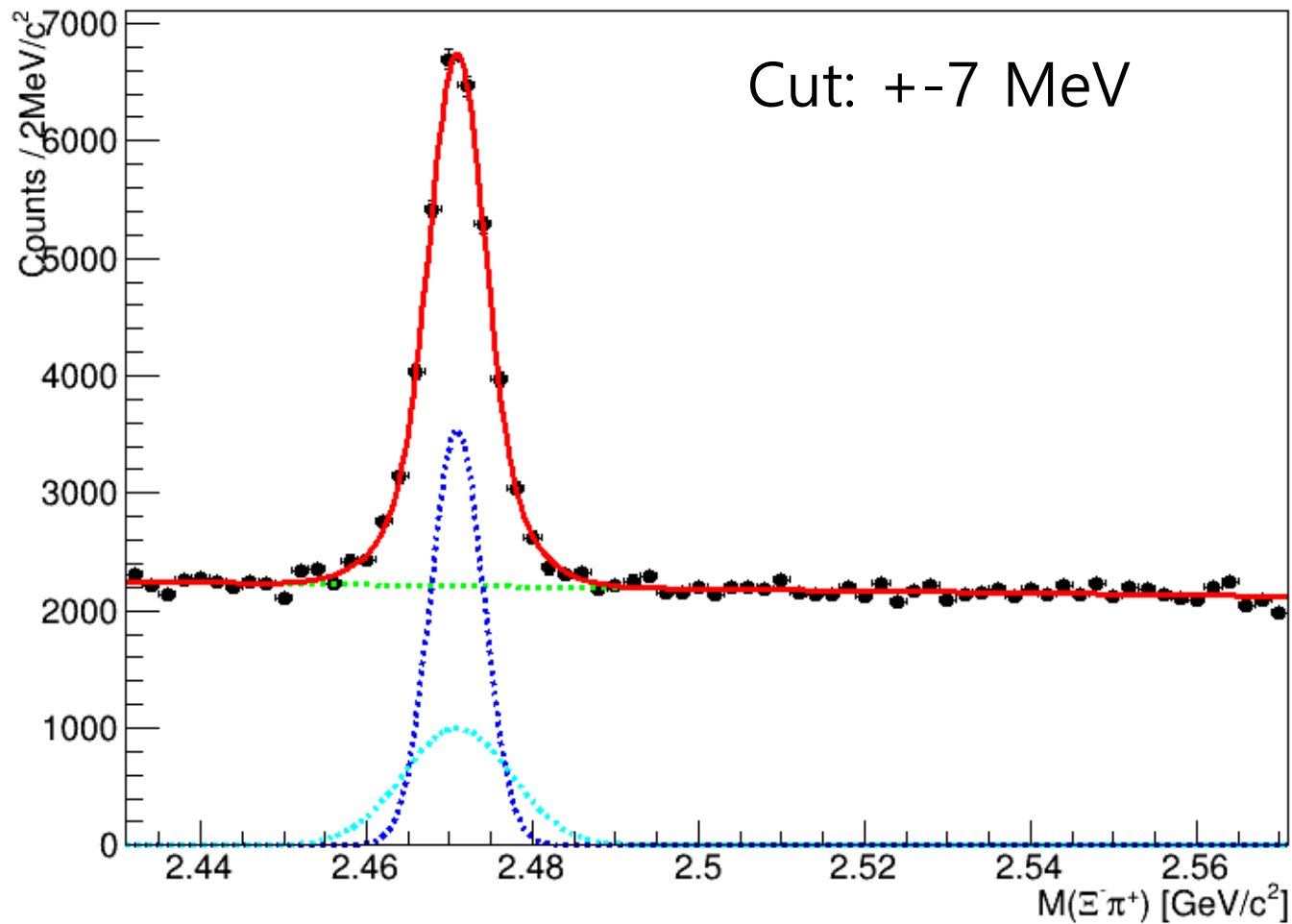**Department of Physics**
Korea University

Ξ_c^0 Reconstruction (full data)

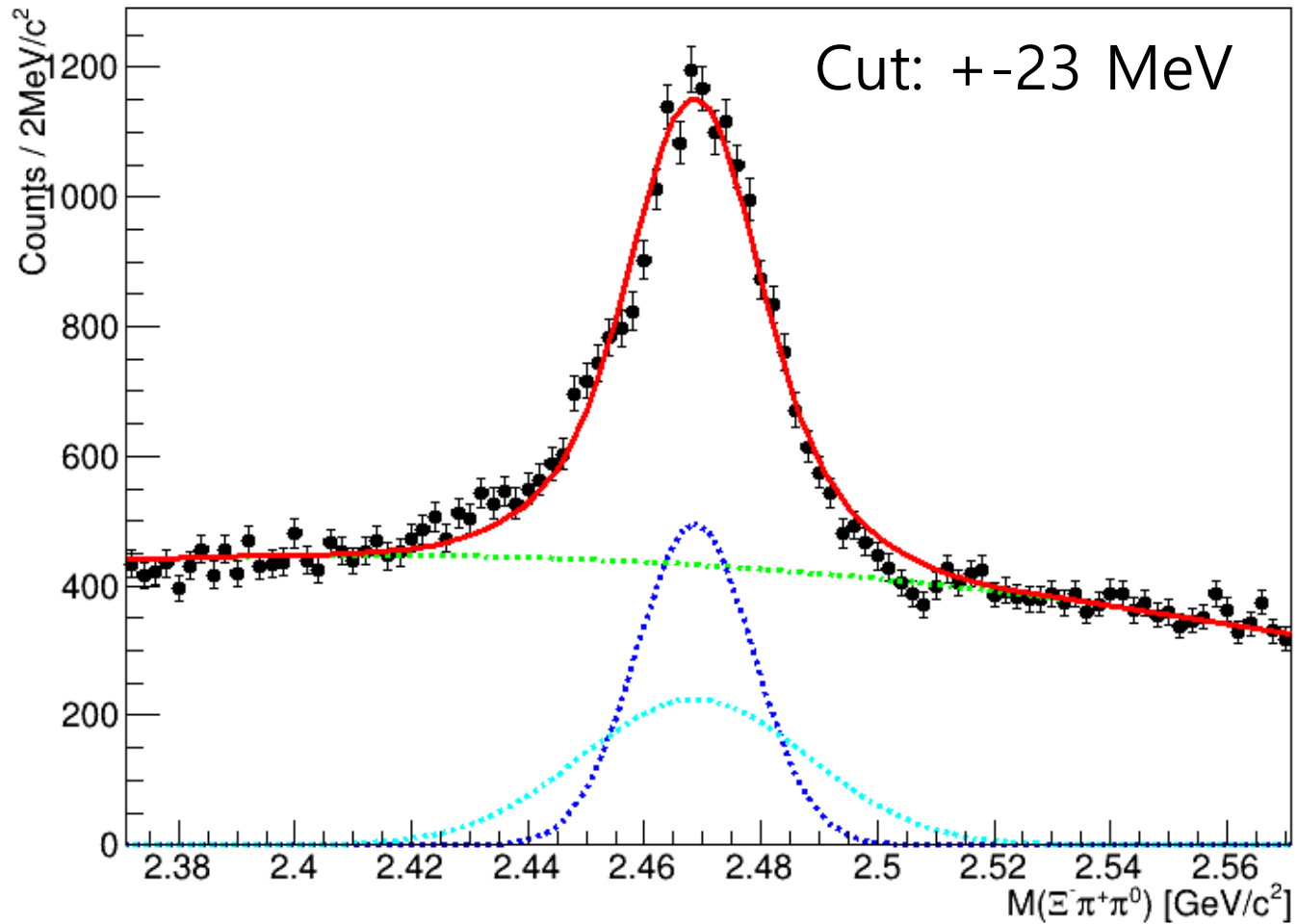■ $\Xi_c^0 \to \Xi^- \pi^+$

Cut: +-21 MeV
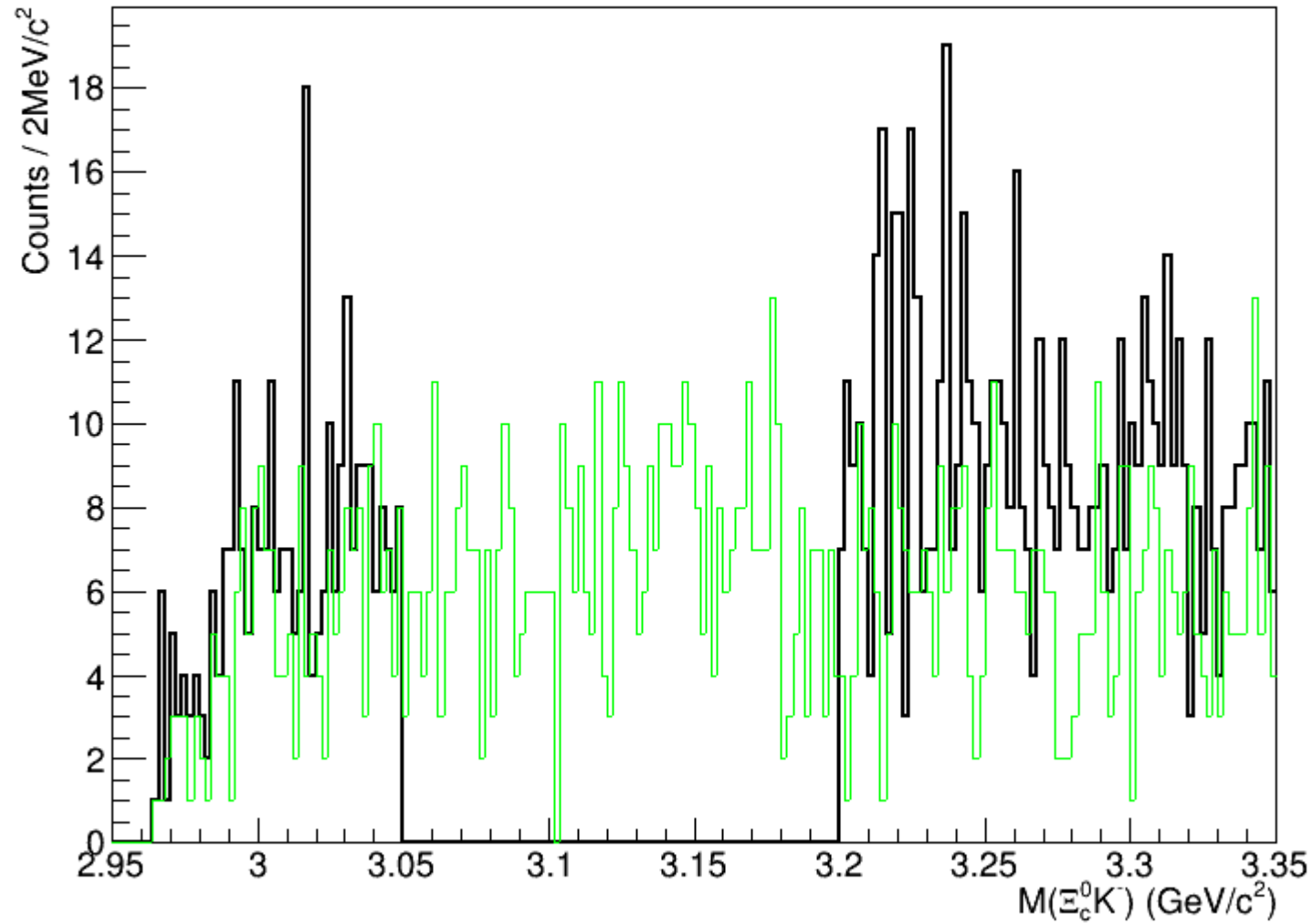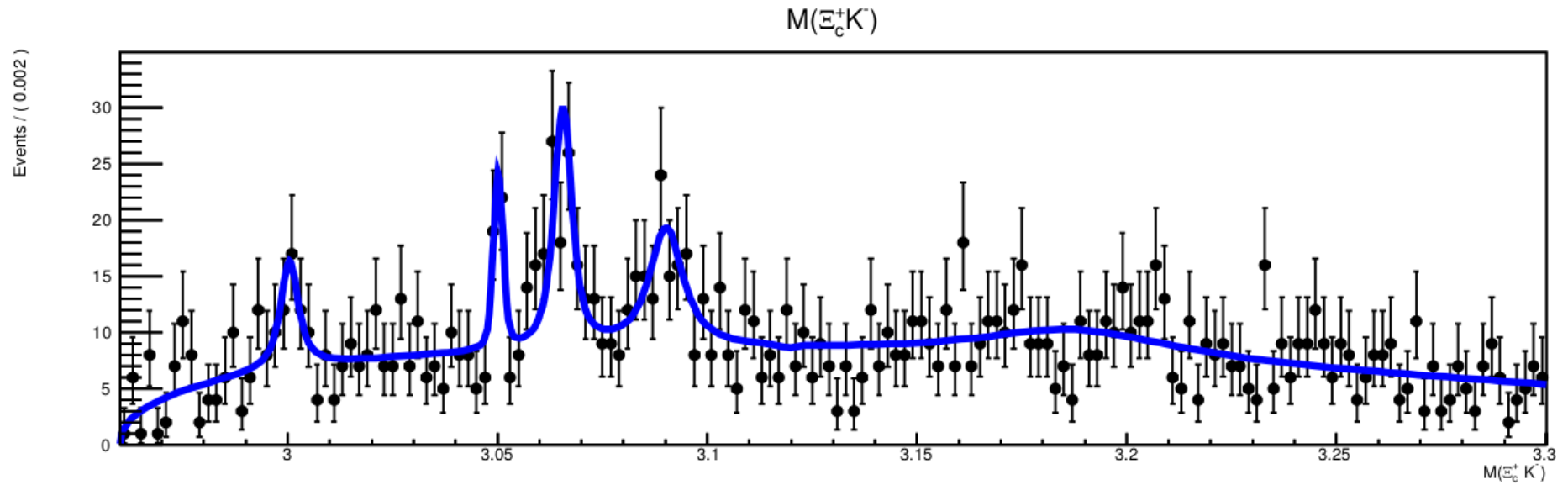
→ S: 21465, N: 5480
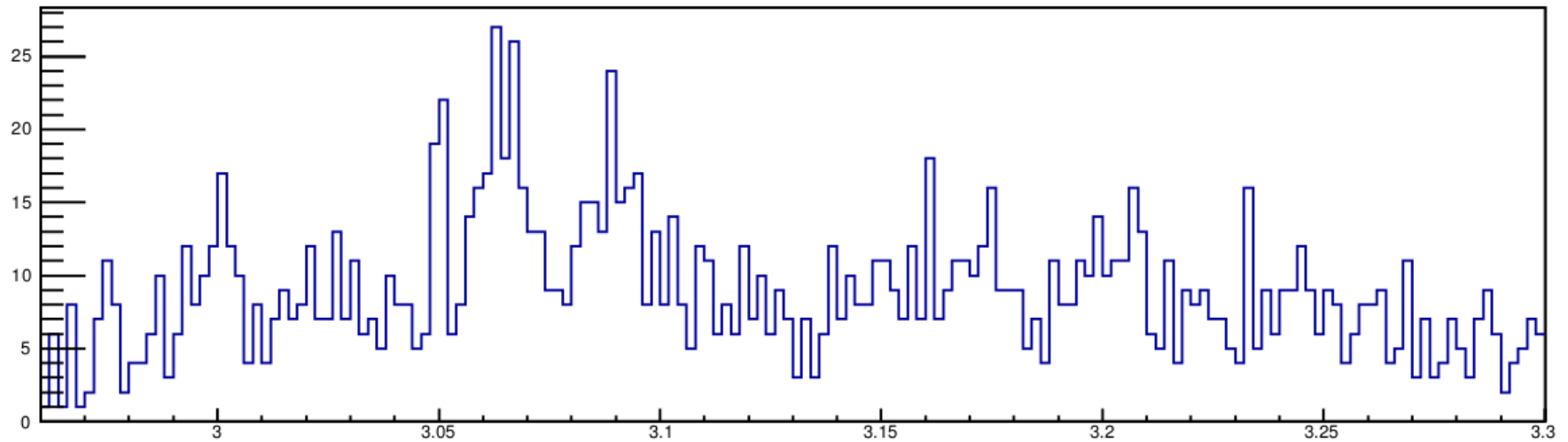
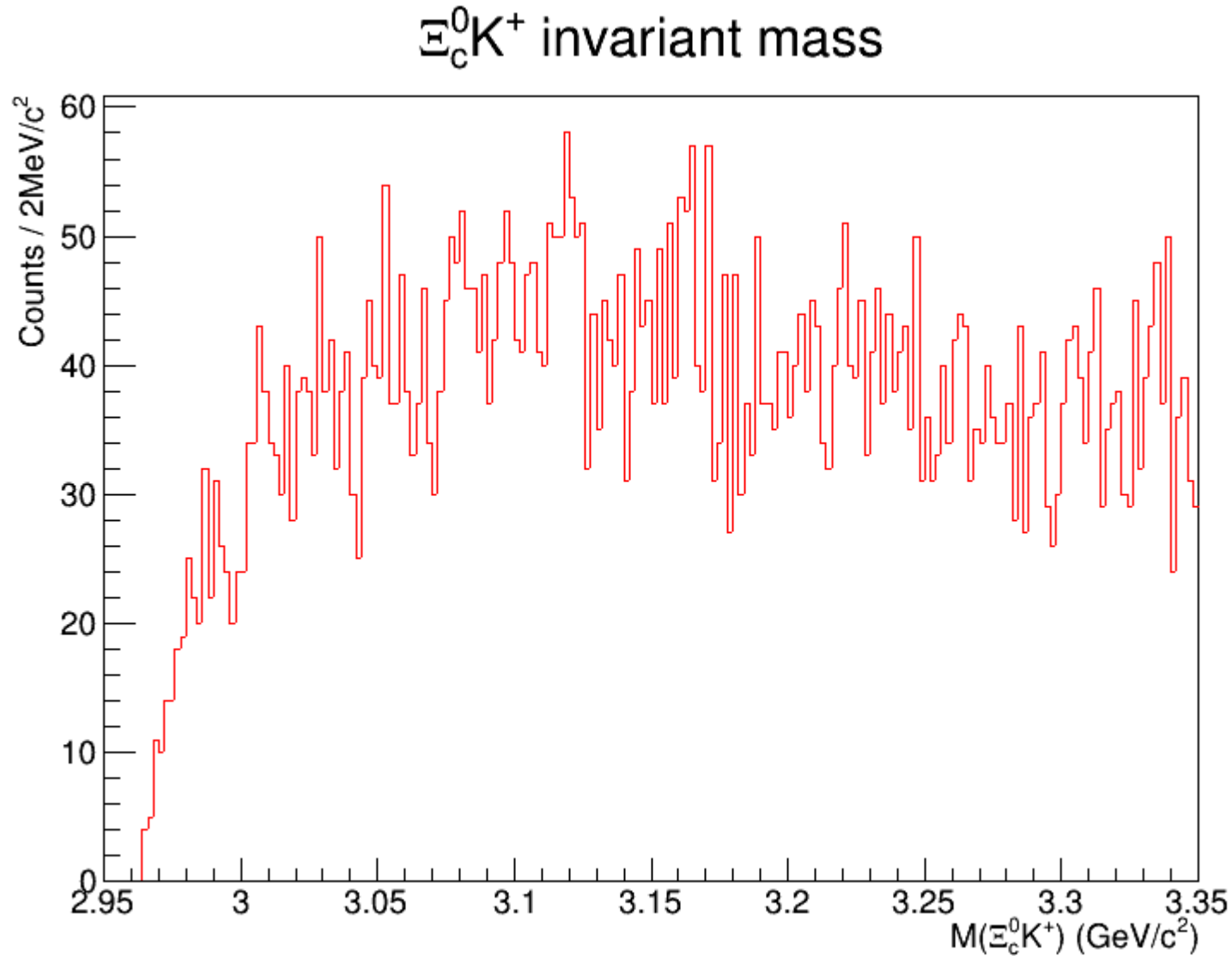■ $\Xi_c^0 \to \Lambda K^- \pi^+$

Cut: +-7 MeV
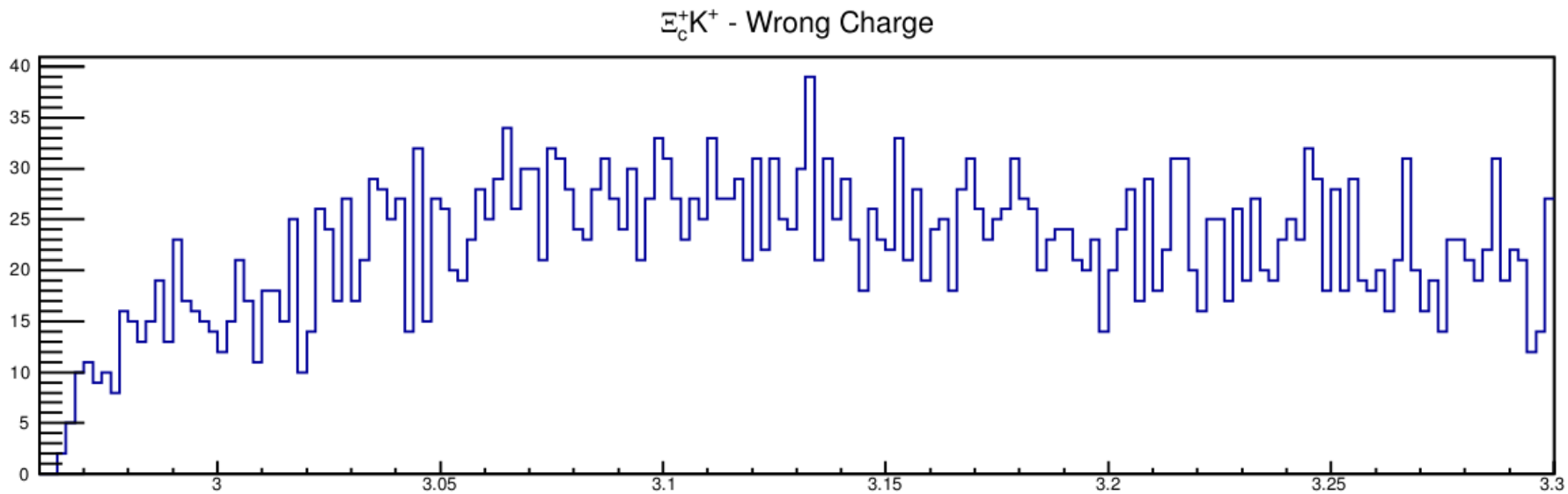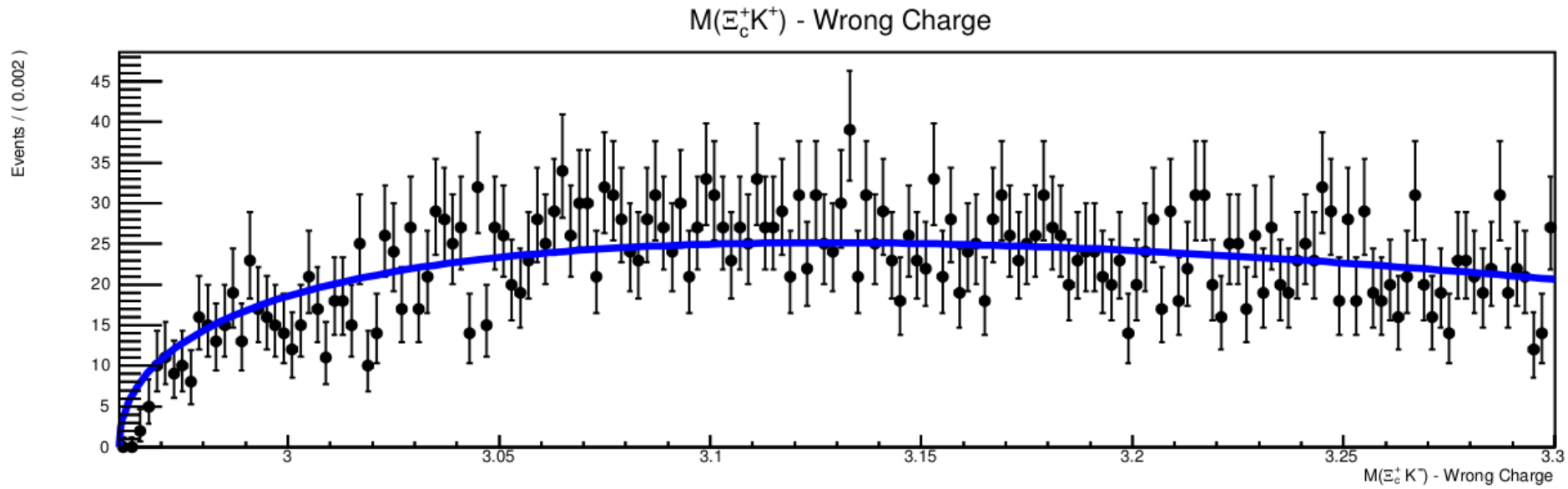
→ S: 19581, N: 15483

■ $\Xi_c^0 \to \Xi^- \pi^+ \pi^0$

→ S: 10261, B: 9943

$\Xi_c^0 K$ (full data)

Ω_c^{*-} invariant mass

■ Yelton, $\Omega_c^{0*} \to \Xi_c^- K^+$

■ Wrong charge combination, $\Xi_c^0 K^+$

$\Xi_c^0 K^+$ invariant mass

■ Yelton, $\Xi_c^- K^-$

M($\Xi_c^+ K^+$) - Wrong Charge

$\Xi_c^+ K^+$ - Wrong Charge

*Ξ_c yield

With Xp_Ξ_c > 0.6 condition,

Ξ_c^0, S: 51,307, B: 30,906

Yelton: Ξ_c^+, S: 63,700, B: 13,000