

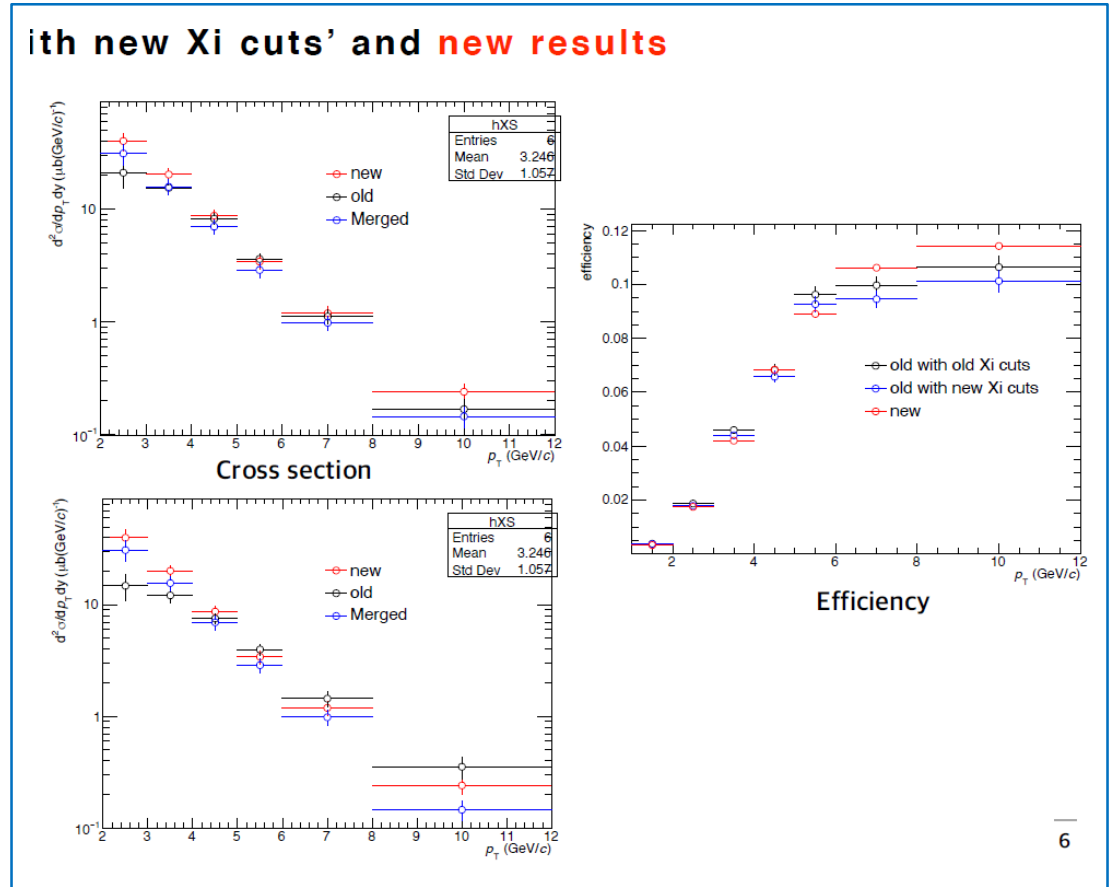
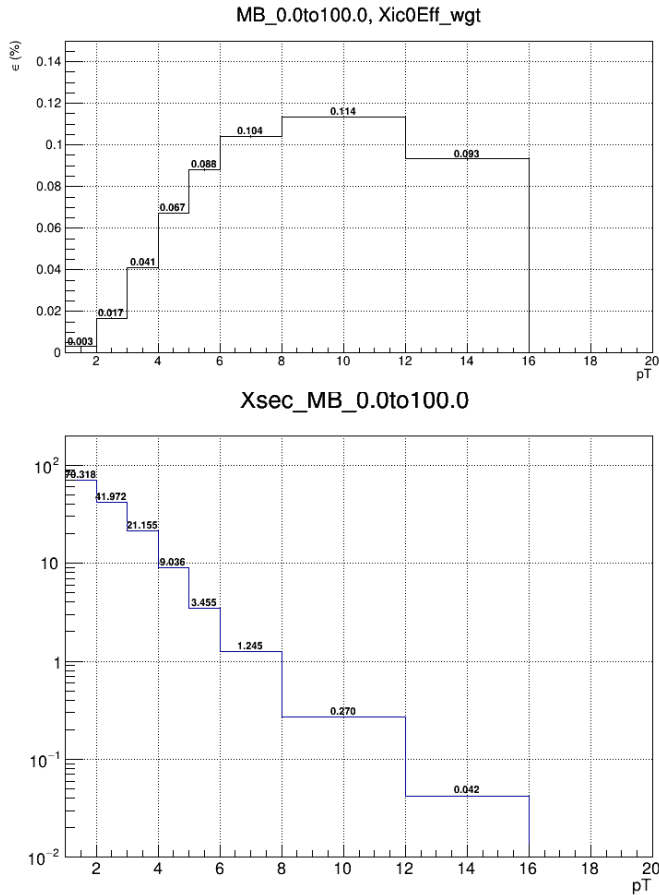
Status Weekly Ξ_c^0 analysis meeting, Feb. 18, 2021

- **Status**

- Succeeded reproducing Jinjoo's results
 - a. MB + [0, 100], final cross section,
by using New train output
 - b. MB + [0, 100], raw e-Xi pair yields before prefilter correction,
by using both New and Old (by Jinjoo, before WDF update) train output
- Currently looking into Xi variables' distribution:
by using both New and Old (before WDF update) train output

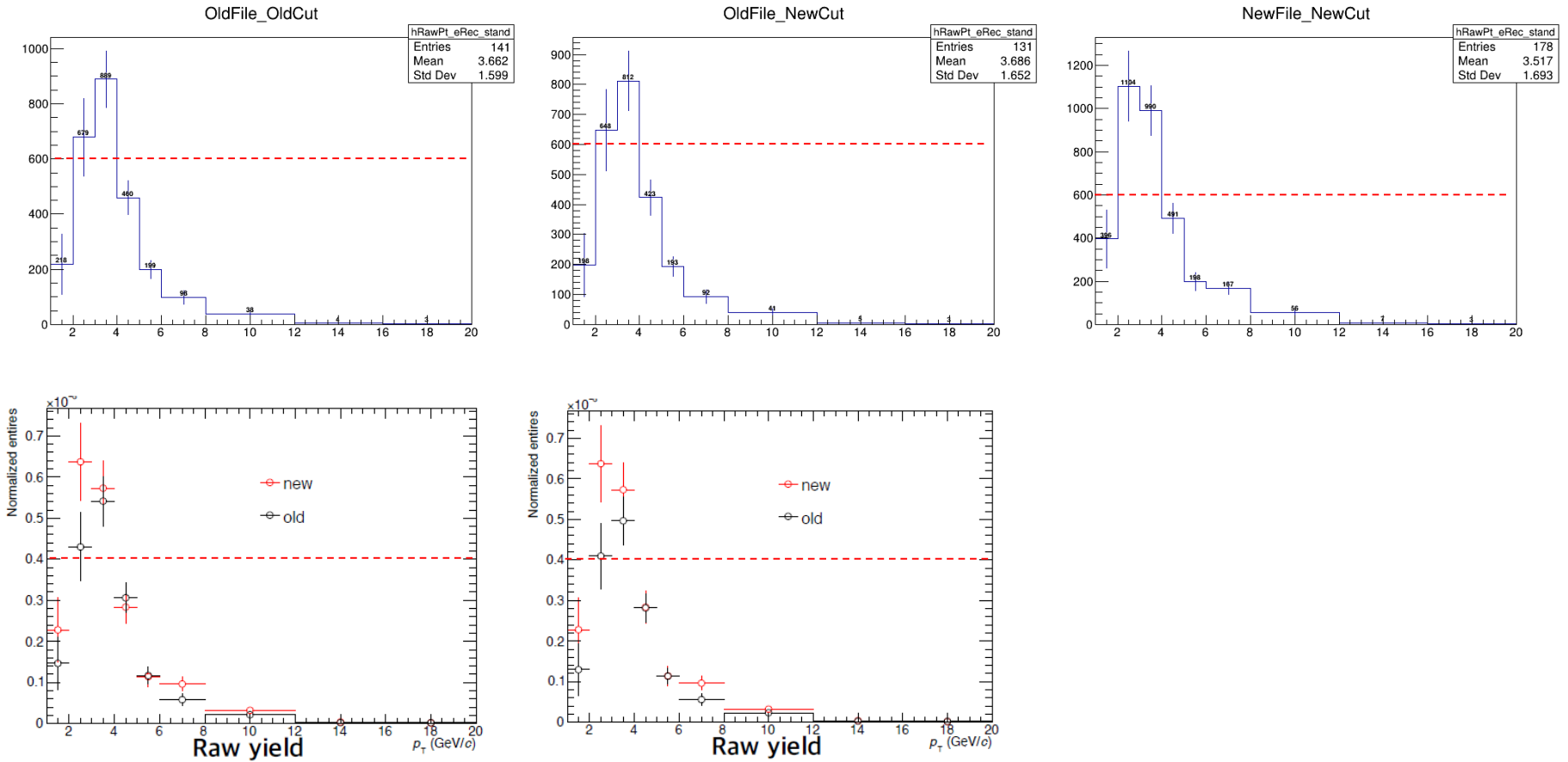
X-section MB + [0, 100], Comparison w/ Jinjoo's results

Jinjoo, Feb. 5



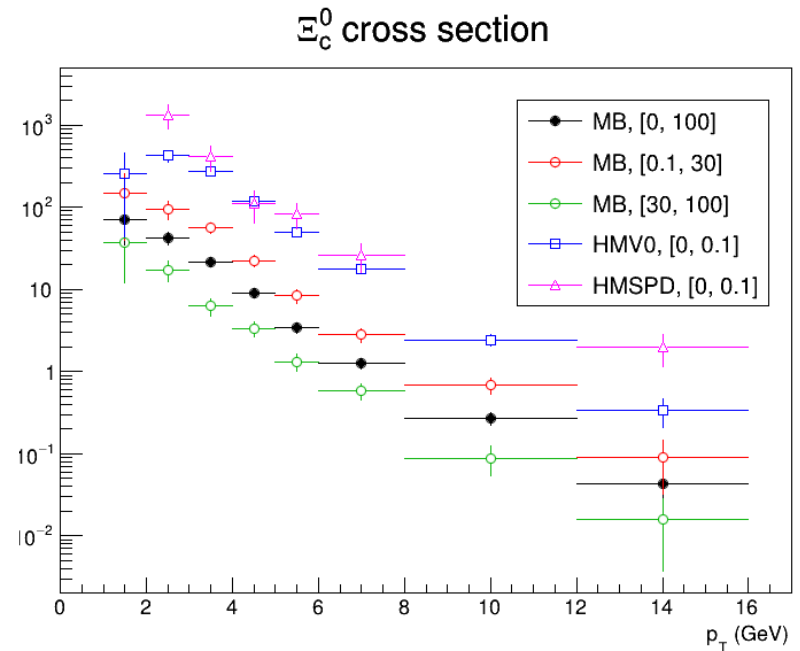
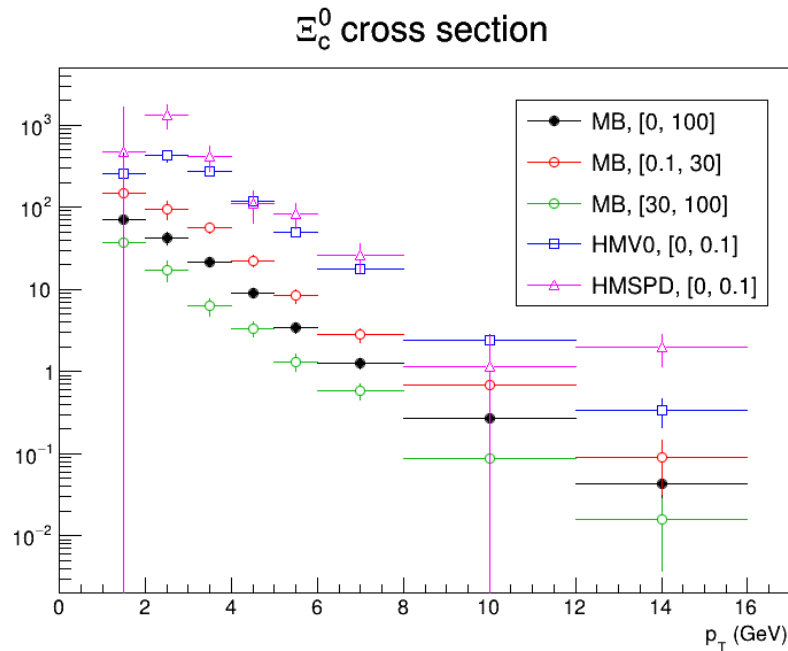
Left: my result / Right: Jinjoo's, both results by new file + new Xi topology cuts

X-section MB + [0, 100], Comparison w/ Jinjoo's results



— Top: my result / Bottom: Jinjoo's

X-section Cross section, for all combinations



- FAR FROM FINAL ONE: many corrections are left, at the very least,
 - a. # of events processed, by using AliNormalizationCounter (main task code need to be updated)
 - b. Efficiency difference by trigger and multiplicity
- Statistics (# of events processed):
 - a. MB + [0, 100] (multiplicity percentile) – 1.834×10^9
 - b. MB + [0.1, 30] – 0.515×10^9
 - c. MB + [30, 100] – 1.317×10^9
 - d. HMV0 + [0, 0.1] – 0.487×10^9
 - e. HMSPD + [0, 0.1] – 0.024×10^9