Z+jets CR

- 2 prompt leptons from $Z o \ell\ell$
- Additional non-prompt leptons from jets



Combined CR

- based on non-prompt composition
 - Evaluate fake factors (F)



- 2 prompt leptons from $t\bar{t}$ decays - Additional non-prompt leptons from jets

tt CR

Fake Background estimation

Validation Region

- One pair either same charge or different flavor
- Dominated by fake events
- Apply F to each not-signal leptons in the not-signal quadruplets

Signal Region

- Apply F to each not-signal leptons in the not-signal quadruplets