Status Report

Tokyo Institute of Technology

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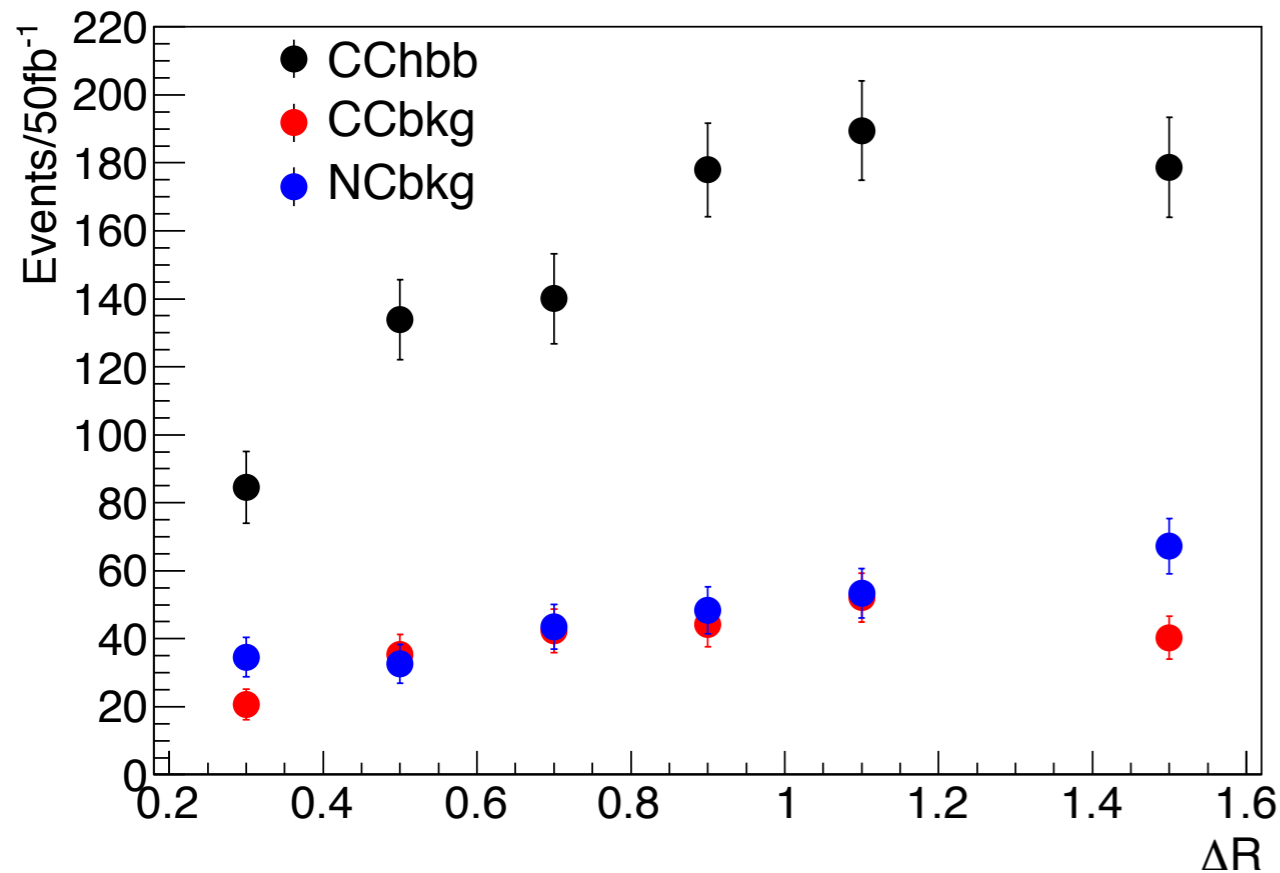
- Comparison of ΔR for kT algorithm
- Change of generator cut for NCbkg
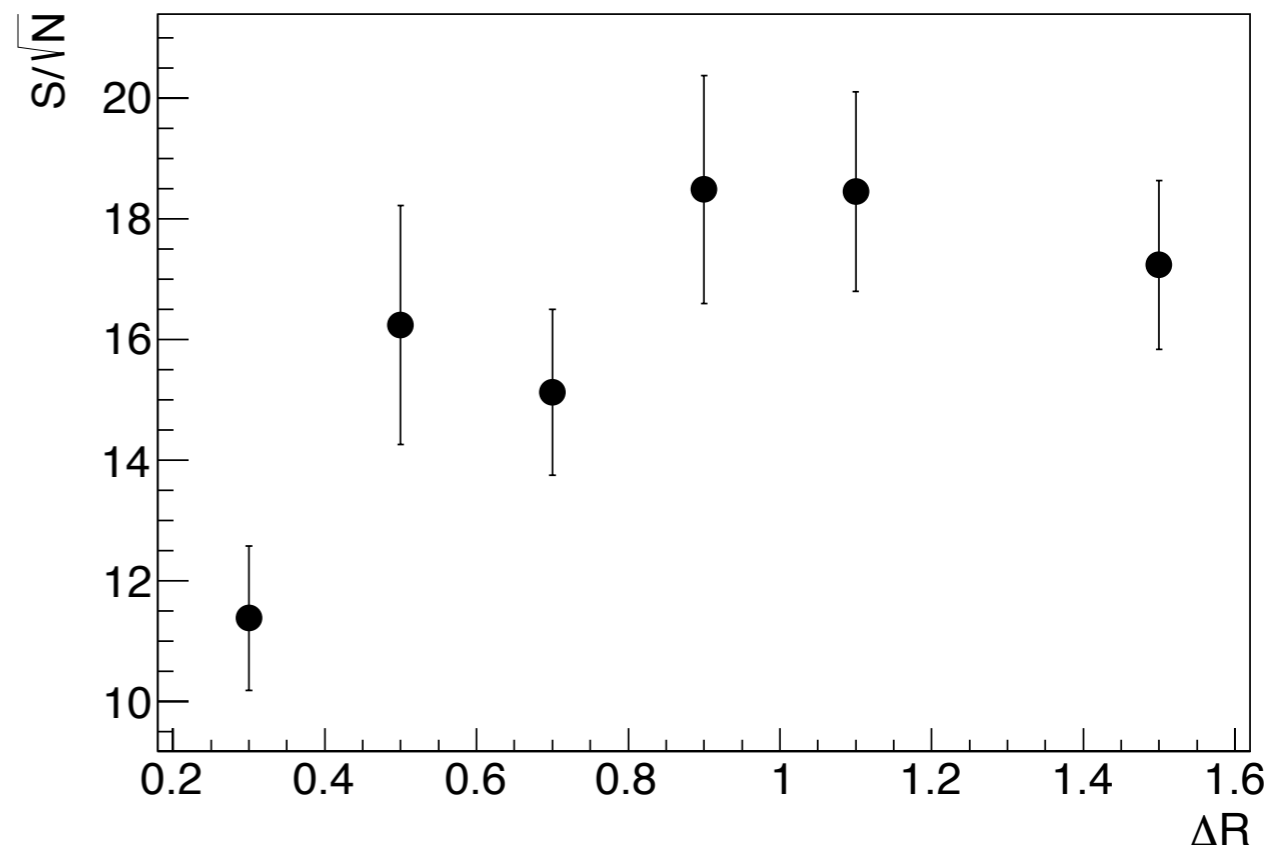
Comparison of ΔR

- Comparison of ΔR for kT algorithm

  - Comparison of Event Numbers for CChbb, CCbkg and NCbkg
    in signal region
  - Comparison of S/√N

Number of Events

S/√N

Change of generator cut

- Change of generator cut for NCbkg
  - For parton, lepton and photon, |Eta|<5, same
  - For parton, PT>10 GeV, same
  - For lepton, PT>1 GeV → PT>0.5GeV
  - More than one M_{jj}>60 GeV parton pair, same

Table of samples

	$\sigma(\mathrm{pb})$	Number of samples	$\dfrac{N}{\sigma}(\mathrm{fb}^{-1})$
Default NCbkg	83	4.2M	50.6
Changed NCbkg	97.7	5.25M	53.7

~Result~

Number of Events in signal region

Default   Changed

48±6.9   64±7.7