

# Recent Status on LDT simulation

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# Recent Status

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- Involving in validation of the LDT
  - Looking at the output of the LDT in terms of the momentum resolution, by changing geometry setting ( position/resolution etc.)
- Running the template geometry circulated on the mailing list in last week
  - a few settings in my local found to be modified
  - > I will validate/compare outputs after updates.

# Next Plan

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## For the study of the momentum resolution

- Change the number of SIT layers
- Position dependence: positioned uniformly between  $R_{min}$ - $R_{max}$   $\leftrightarrow$  the one in the template geometry. How much ?

my personal issue on that is

-- what is the ratio between contribution determined by M. S. & contribution determined from the detector resolution ?

-- for the momentum range, 20GeV-80GeV?, which would be the typical for  $Z \rightarrow \mu\mu$  ( $ee \rightarrow ZH$ )