Bottom mass study

- ✓ Quark mass "run" because of renormalization effect.
- Bottom mass at higher-energy will be important input for new Physics.
- ✓ Focus process : $e^+e^- \rightarrow b\bar{b}g \rightarrow 3$ Jets
- ✓Gluon emission depends on bottom mass.
 - → Decide bottom mass indirectly from 3-jet process probability.



Current status of study



 ✓ y_{cut} is the scale of reconstructed jet and observable R^{bl}₃ depends on it.



2020.Oct.9th GPPU fall progress status presentation

Current status of study



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Collaboration and GPPU course

We had planned that directly study, but it couldn't be realized because of Corona virus.

We're progressing analysis via remote meeting every week and aim to finish until October.

✓GPPU School (Aug.31-Sep.3) → Attended

✓ GPPU seminar \rightarrow 1time attended (1GASP)

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