

The goal of this page is to provide a recipe to re-run the MiniAOD and get the low pt tau collection out of it.

Documentation about low pT tau reconstruction

- [Yuta's talk on 4 June 2019](#)
- [Vini's talk on 1 July 2019](#)
- [Camilla's talk on 7 Aug 2019](#)

Recipe

```
cmsrel CMSSW_10_2_14
cd CMSSW_10_2_14/src/
cmsenv
git cms-init
git cms-merge-topic gitytakahas:AddLowPtTauCollection
scram b -j8
```

You can see test configuration file at `LowPtTauProducer/lowPtTaus/test/addlowPtTaus_cfg.py`. Please inspect input and output file and change it accordingly.

```
cd LowPtTauProducer/lowPtTaus/test/
cmsRun addlowPtTaus_cfg.py
```

After running, you should be able to get the identical miniAOD file as your input, but at the end of the tree, you should have new collection with a type,

```
vector<lowPtTau>                                "lowPtTaus"                                ""                                "lowPtTauColl
```

You can run this via crab or whatever batch system you may have to produce more files/events.

-- YutaTakahashi - 2019-08-14

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