

## How to create the efficiency ratio tables

- Copy this directory: `/afs/cern.ch/user/j/jvantilb/public/efficiency`
- Run these commands in root

```
.L effRatio.C++  
effRatio("Velo", "2010")  
effRatio("Velo", "2011")  
effRatio("Tstation", "2010")  
effRatio("Tstation", "2011")
```

- This will produce four 2D histograms with the efficiency ratios and errors.
- The next step is to combine these tables. The final efficiency ratio for long tracks is the product of the two Velo efficiency and the T-station efficiency.

```
> python -i combineEff.py 2010  
> python -i combineEff.py 2011
```

- The output of this step are two root files (`ratio2010.root` and `ratio2011.root`) which contain the final efficiency ratios.

-- JeroenVanTilburg - 22-Jun-2011

---

This topic: LHCb > TrackingEffMakeTables

Topic revision: r5 - 2018-01-15 - LuciaGrillo



Copyright &© 2008-2019 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.  
Ideas, requests, problems regarding TWiki? Send feedback