# RICH Alignment Publicity plots

# Overview
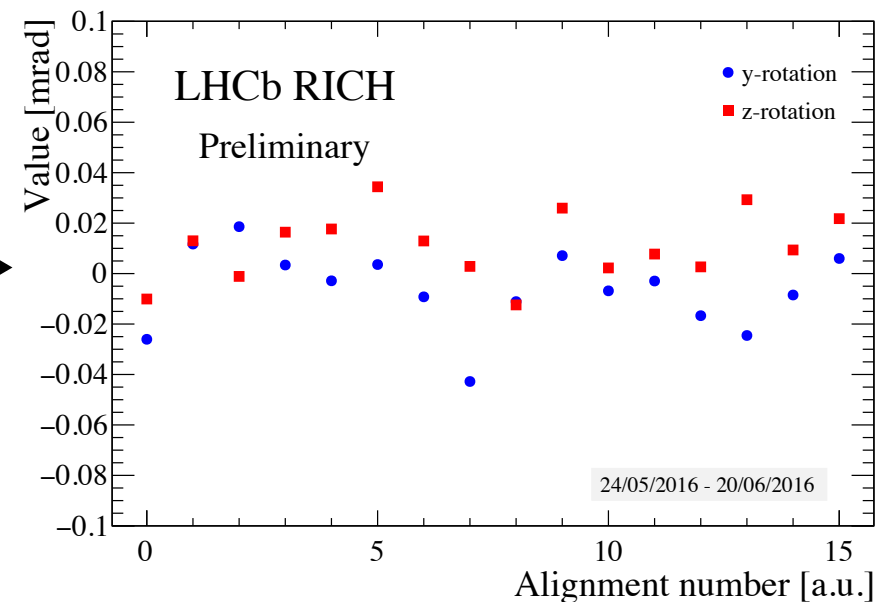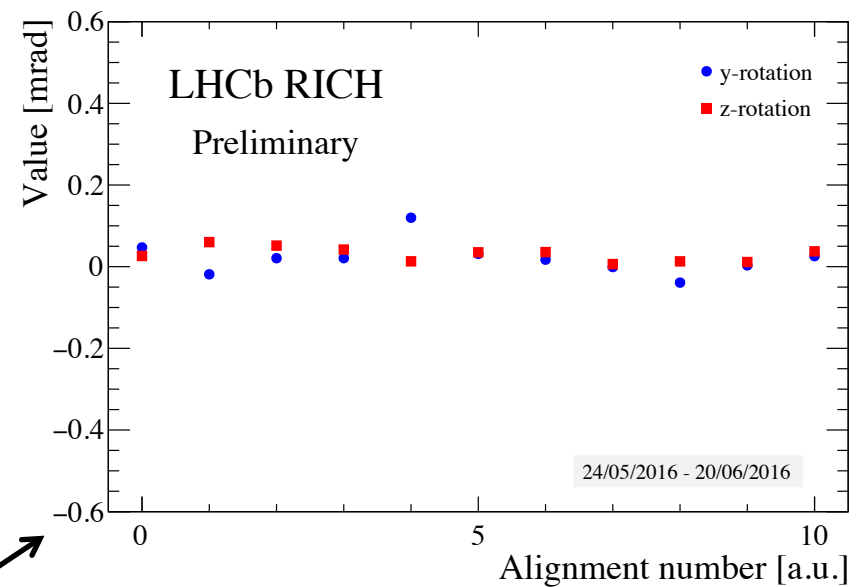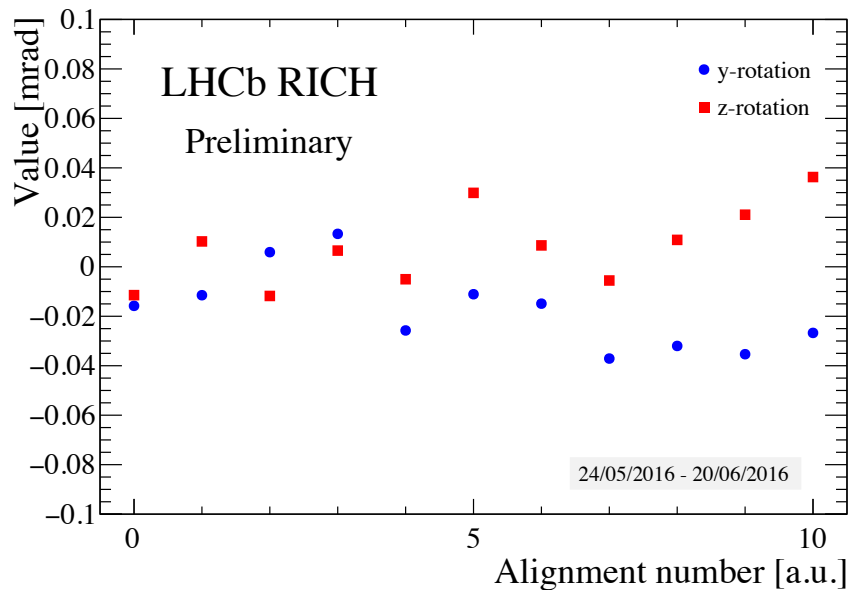
Publicity plots like in: [https://twiki.cern.ch/twiki/bin/view/LHCb/ConferencePlots](https://twiki.cern.ch/twiki/bin/view/LHCb/ConferencePlots)

1. Show changes w.r.t previous alignment:

   ➔ implies that the alignment is updated regularly ☹

2. **Show changes w.r.t. current database**

   ➔ plots might be misunderstood (?)
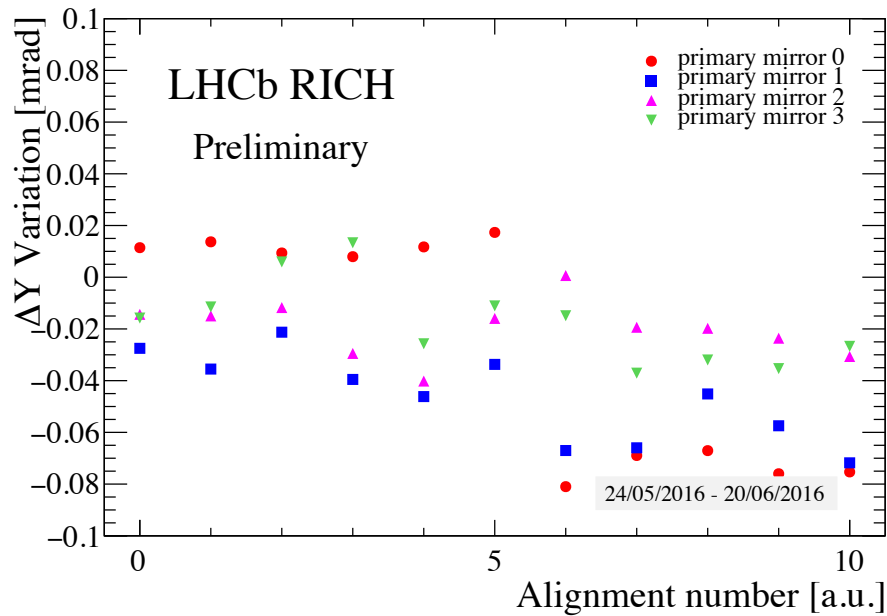
**Possible plots:**

1. Example mirror and show in one plot the tilts in y and z

2. All primary mirrors of RICH1 in y or z (4 points per alignment)

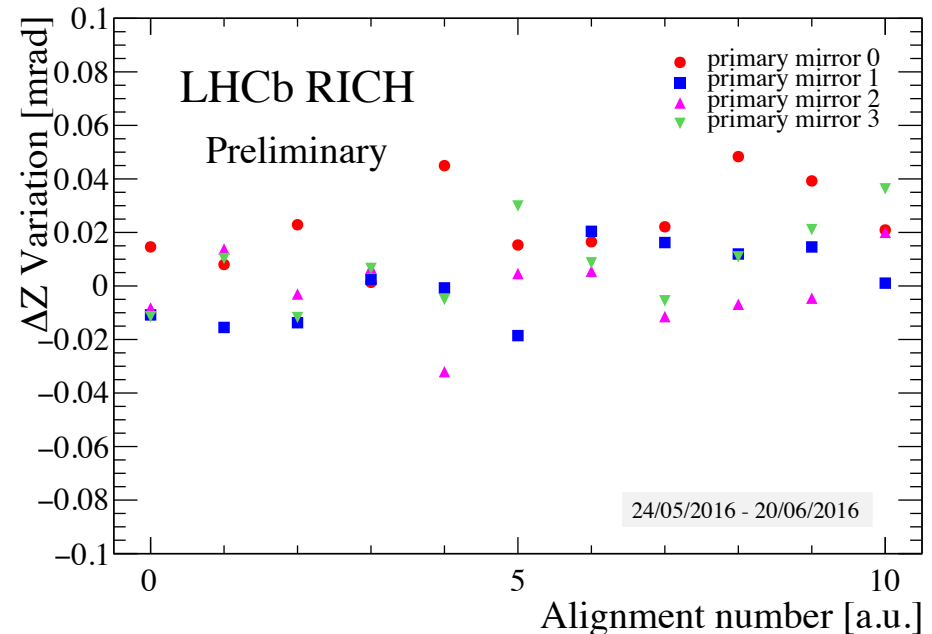3. Average of absolute values of tilts

# 1. Example mirror in y & z



RICH1 primary mirror 3

RICH1 secondary mirror 14

RICH2 primary mirror 0

← in y

in z →

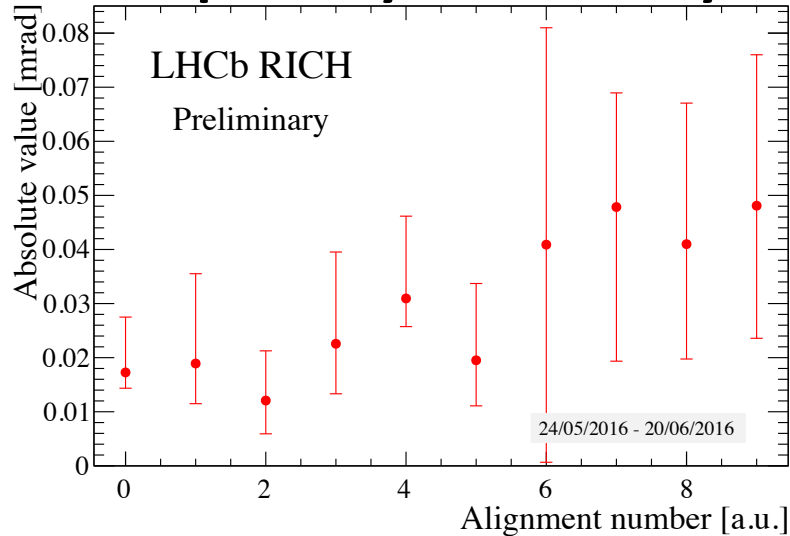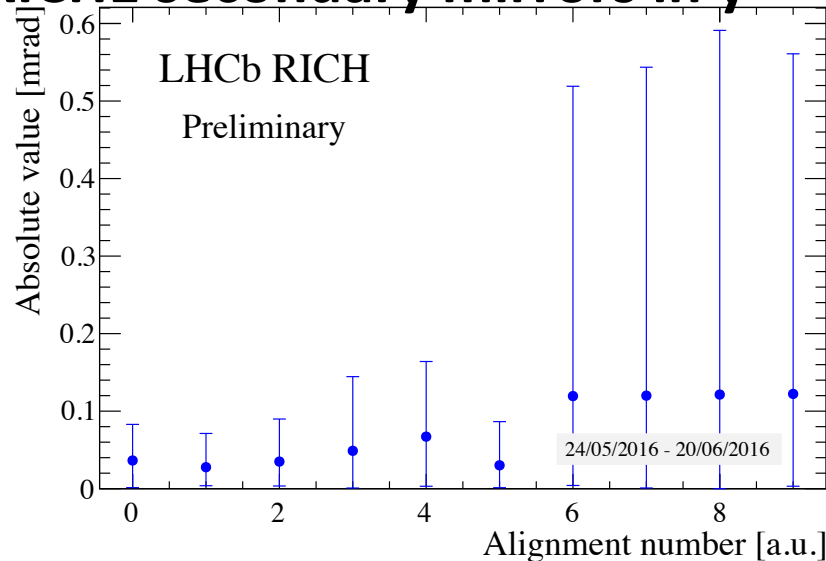# 3. Average tilts

## RICH1 primary mirrors in y



## RICH1 secondary mirrors in y



*Average of absolute values of tilts. Error bars reach from biggest to smallest tilt.*

Same plot for
RICH1 secondary mirrors
RICH2 primary mirrors
RICH2 secondary mirrors

**RICH2 primary mirrors in y**