# Alignment with incl. straight throughs

Pelle





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#### **Overview**



Combine B-field runs and straight throughs for alignment

- Millepede is setup exactly for this
- Simply include more "input binary" files

Just testing so far

- Compare MP translation for B-field and ST run separately and together
- Need to understand how sample sizes affect things too

## **Bottom MP corrections**

#### Millepede corrections per sensor local translation/rotations (mm/rad) • 5772 5772 5784 5784 5772+5784 5772+5784 $\begin{array}{c|c} & & & & \\ \hline module\_L1b\_hal/module\_L2b\_hal/module\_axial(21.\\ \hline module\_L1b\_hal/module\_axial(256reo(21101)) \end{array}$ module\_L1b\_har nodule\_L1b\_har odule\_L2b L46 L4h halfmodule axial(21104) odule axial(21106) Odule\_axial stereo(21105) (21101) axial axial axiai slot(21109) hole(21108

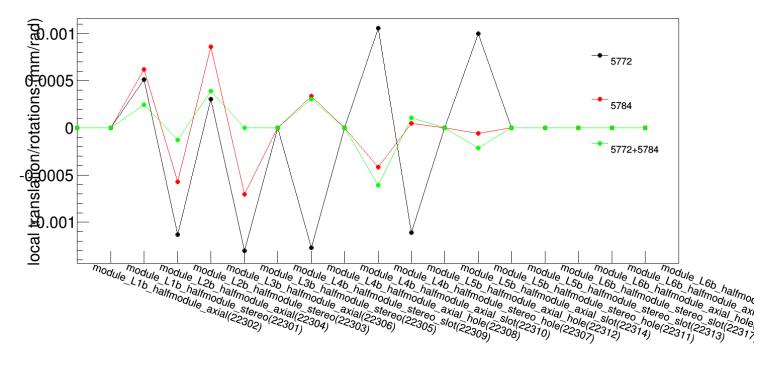
Millepede corrections per sensor

L2-5 trans. u (hole side only)

L2-5 trans. u (hole side only) L2-5 rotat. w (hole side only(

SLAC

### **Bottom MP corrections**



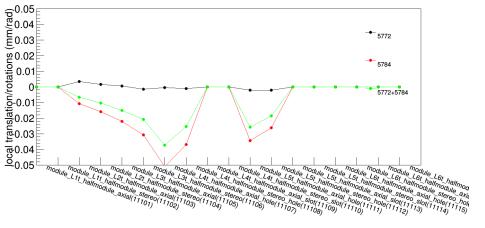
#### Millepede corrections per sensor

L2-5 trans. u (hole side only) L2-5 rotat. w (hole side only(

SLAC

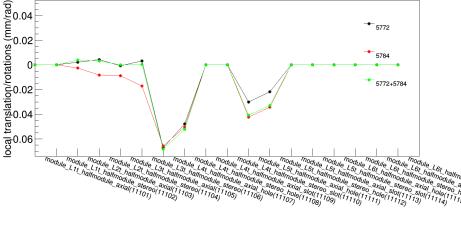
# **Top MP corrections**

SLAC



Millepede corrections per sensor

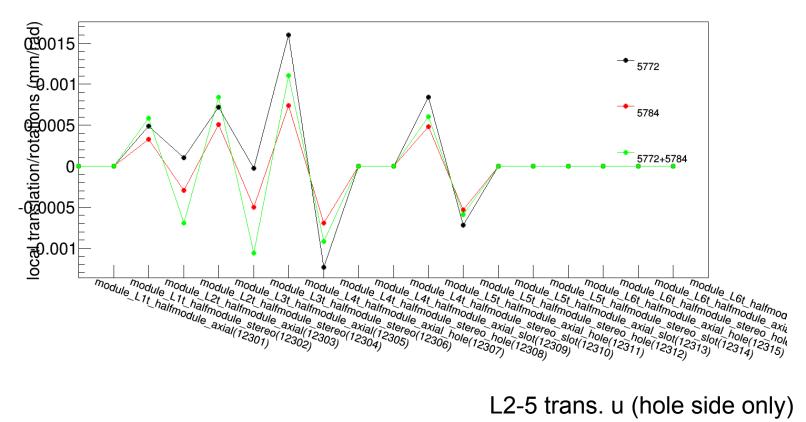
Millepede corrections per sensor



L2-5 trans. u (hole side only)

L2-5 trans. u (hole side only) L2-5 rotat. w (hole side only(

#### **Top MP corrections**



#### Millepede corrections per sensor

L2-5 trans. u (hole side only) L2-5 rotat. w (hole side only(

SLAC