



Recent update on HO trigger

HO Trigger Weekly Meeting

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Commisiong

> Reminder:

- After series of tests since last year Oct. with Karol & Andrea from TwinMUX, we could not manage to align the HO twinmux links.
- The main issue was that BC0 keep fluctuating from links to links
- oslb fw upgrade from 0x82 – 0x97, bud did not fixed this issue. HCAL expert intervention was needed.

> Recent Update

- Since March, Dick and Drew involved in this project and helping with the commission the HO trigger links in TwinMUX.
- After series of long email exchange between, Dick, drew and Mr. Wu (BU), converge on firmware oslb0x9b.mcs
- Easter break and Dick visit to USA for two weeks hinder the progress.
- 25th April: Drew and I did test with the hcal splited signals at CERN.^[1]
 - > **Summary:** HTR code need modification for debugging
- May 2: scheduled to have test, as Dick and Karol both back at CERN.
 - > Karol expressed his absence at the last moment
- Yesterday, Drew, Dick and I did the tests.^[2]
 - > **Summary:** oSLB fw response was not understood.

[1] <http://cmsonline.cern.ch/cms-elog/977830>

[2] <http://cmsonline.cern.ch/cms-elog/999721>



Emulator

- Soham is working on integrating the HO in TwinMUC since a month.
- Yesterday, he manage to create the efficiency plot for DT Tps
- More update from him...

