

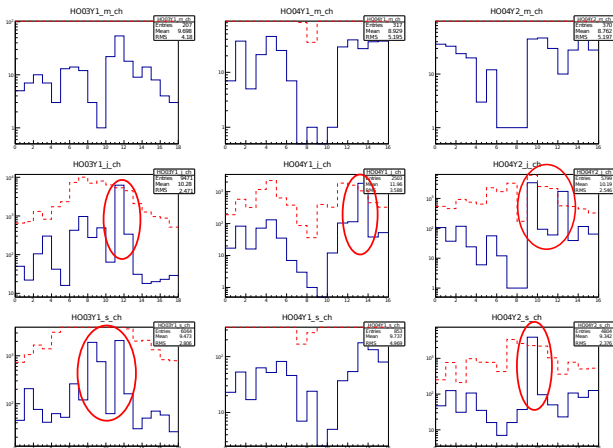
COMPASS

Status of Work on Trigger

Benjamin Moritz Veit

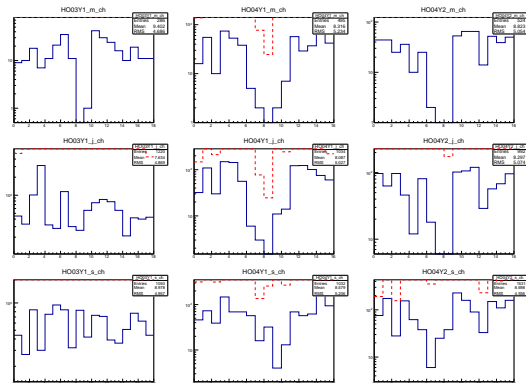
21. September 2016

Lightleak search (before)



New method: pulsed LED with speaker on PMT → works really good

Lightleak search (after)

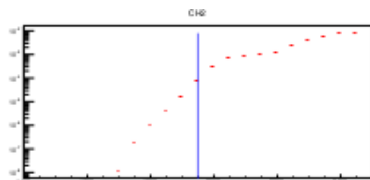
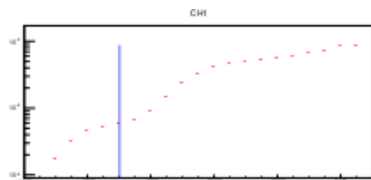


HO03: Fix about 20 small and bigger lightleaks (we scan the whole hodoscope - old and new stripes are affected) **Thanks to Lukas**

HO04: Fix 4 lightleaks (3x old stripes, 1x new stripes)

Exchange of 2 PMTs due ringing

First High Voltage Scan



- Fix of SRCid 17 - Now again equipped with 4 scaler modules (128channel)
- Script for making voltage vs. counts plots out of mysql db in realtime.

Problems on data talking for HV Scan:

- discriminators on undefined thresholds
- HV-Setting over DCS to slow.

Before MD for P8

- HV-Scan (again, loaded discriminators, smaller steps) [1-2hour]
 - Check with christophe to speed up HV setting via DCS
- Discriminator threshold scan [32 Spills]
- Matrix delay scan [64 Spills]
- Matrix gate width scan [32 Spills]
- Test new Matrix [at least 50 Spills]

MD for P8

- Exchange some PMTs (we know which after the Test of the new Matrix)

After MD for P8

- Load of new Matrix

Second iteration:

- Discriminator threshold scan [32 Spills]
- Matrix delay scan [64 Spills]
- Matrix gate width scan [32 Spills]