

T0 offline status

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for T0 team**

**ALICE offline week
16 November 2010**



Outline

- . Calibration**
- . Simulation and data comparison**
- . QA**



Calibration

2 DA are running @P2

pp data taking

- during PHYSICs run calculates shift between channels

-chain of runs AMPLITUDE_CALIBRATION

for slewing correction

For LHC10e, f and g OCDB entries

“TimeDelay” and “Slewing” were filled automatically

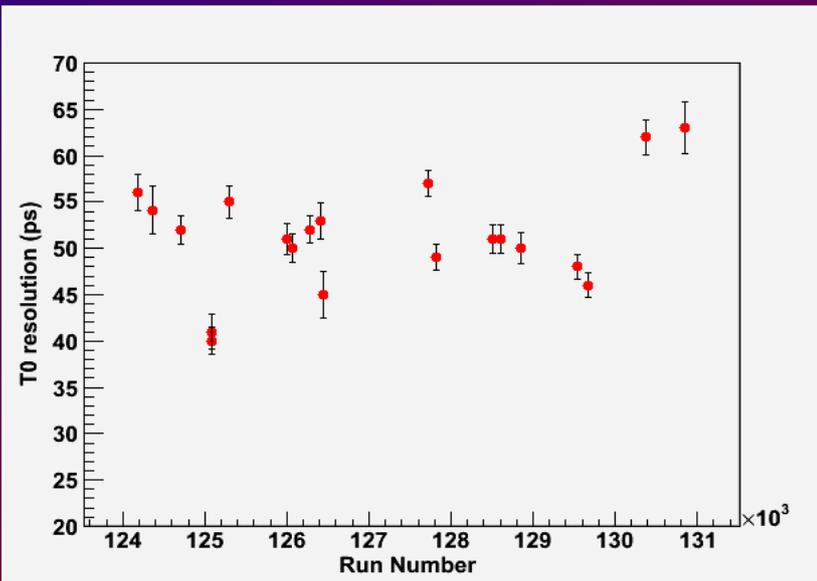
for HI

T0physda works and OCDB entry “TimeDelay” is filled automatically

Slewing correction data were prepared by hands and kindly uploaded by Raffaele



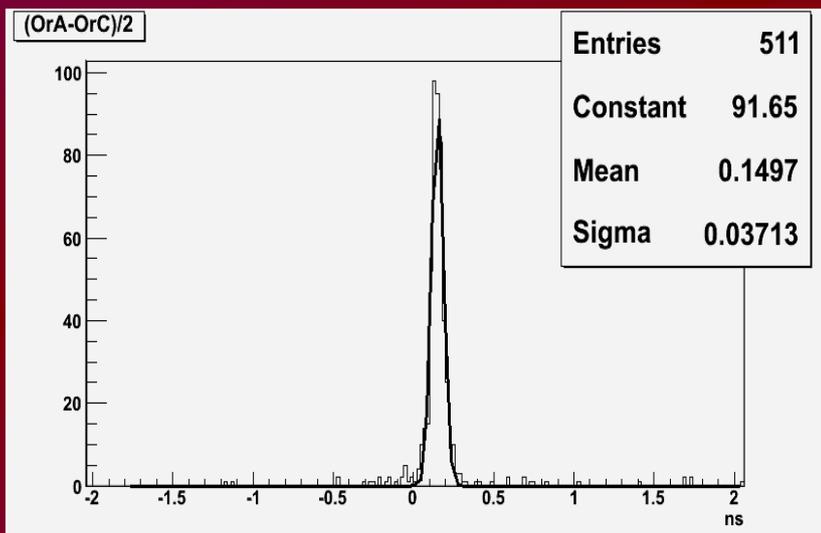
T0 resolution and season clock shift problem

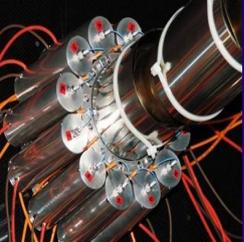


T0 resolution for pp run is 40-60ps ; position of T0 peak could be changed from run to run due to season clock shift.

TOF need it exactly in 0 +/- 10ps; We would like to open new OCDB entry and write there 4 floats /run: positions of T0A, T0C, T0AC and resolution It will be filled by hands for all past pp runs and current HI runs.

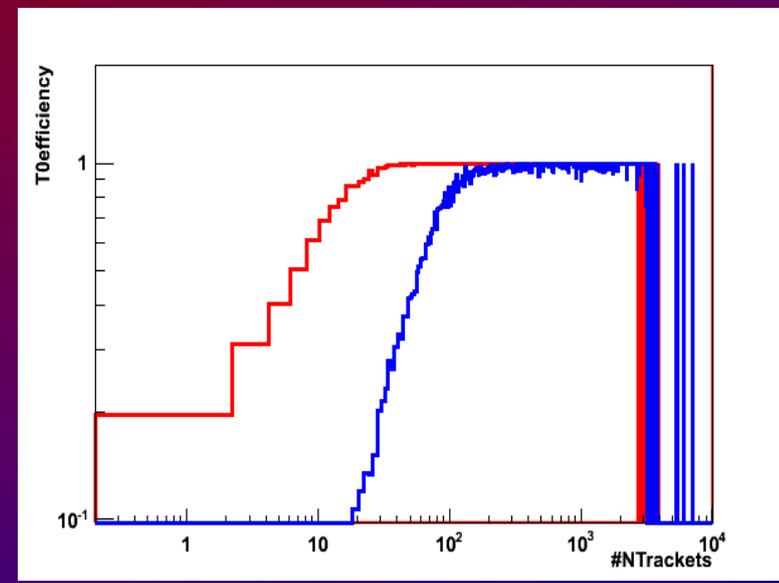
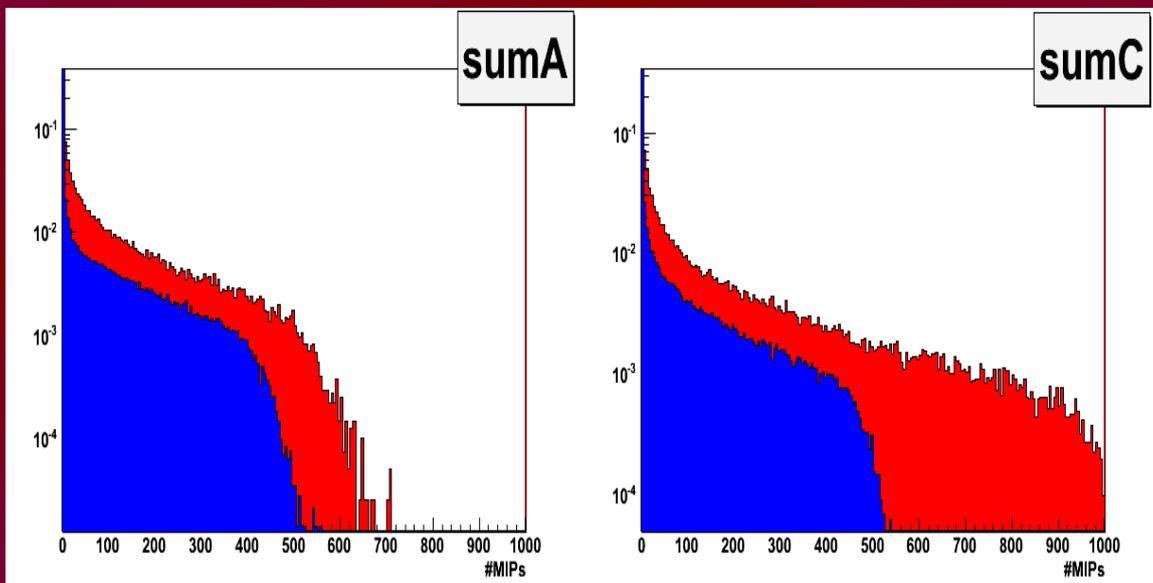
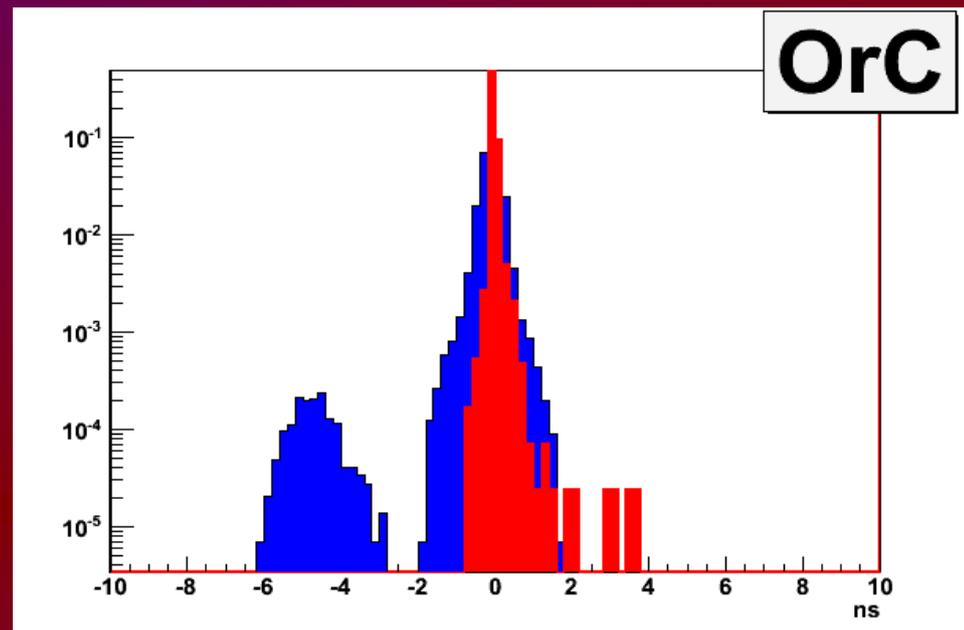
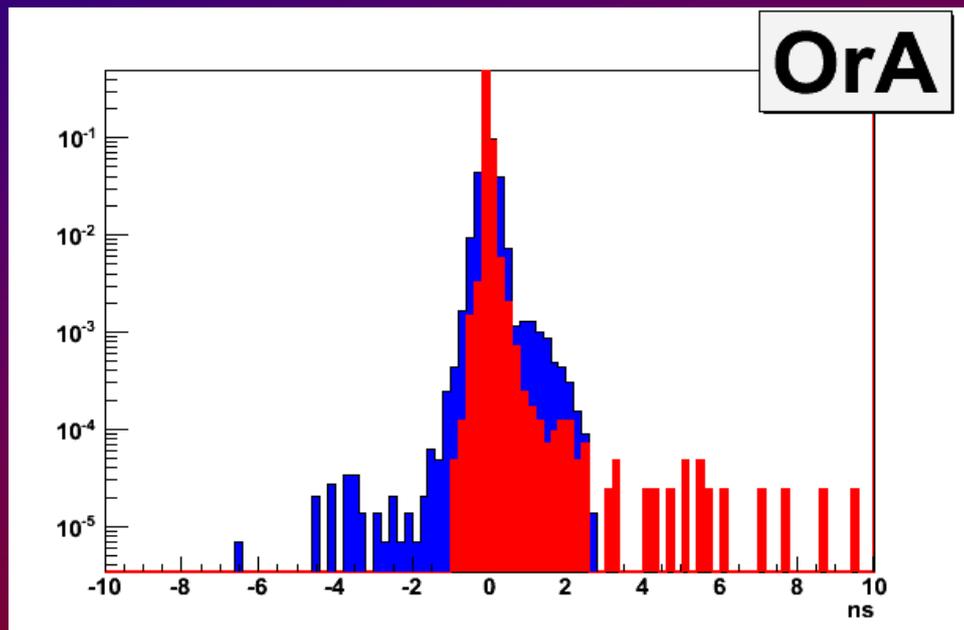
Solution for future will be found soon.

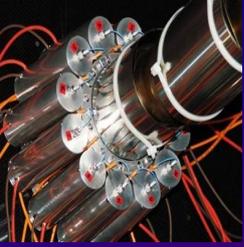




Simulation vs data

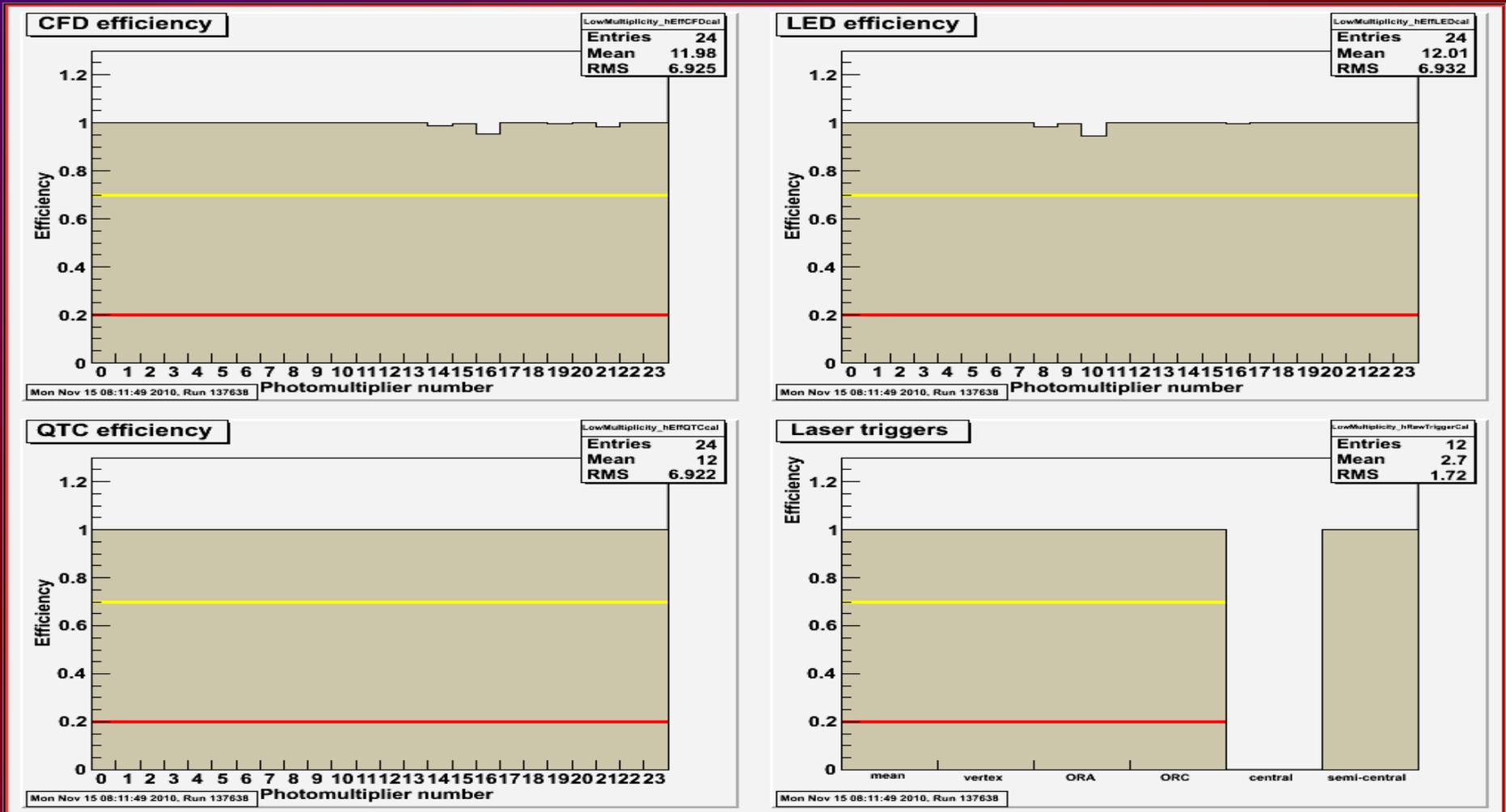
HI: run 137161



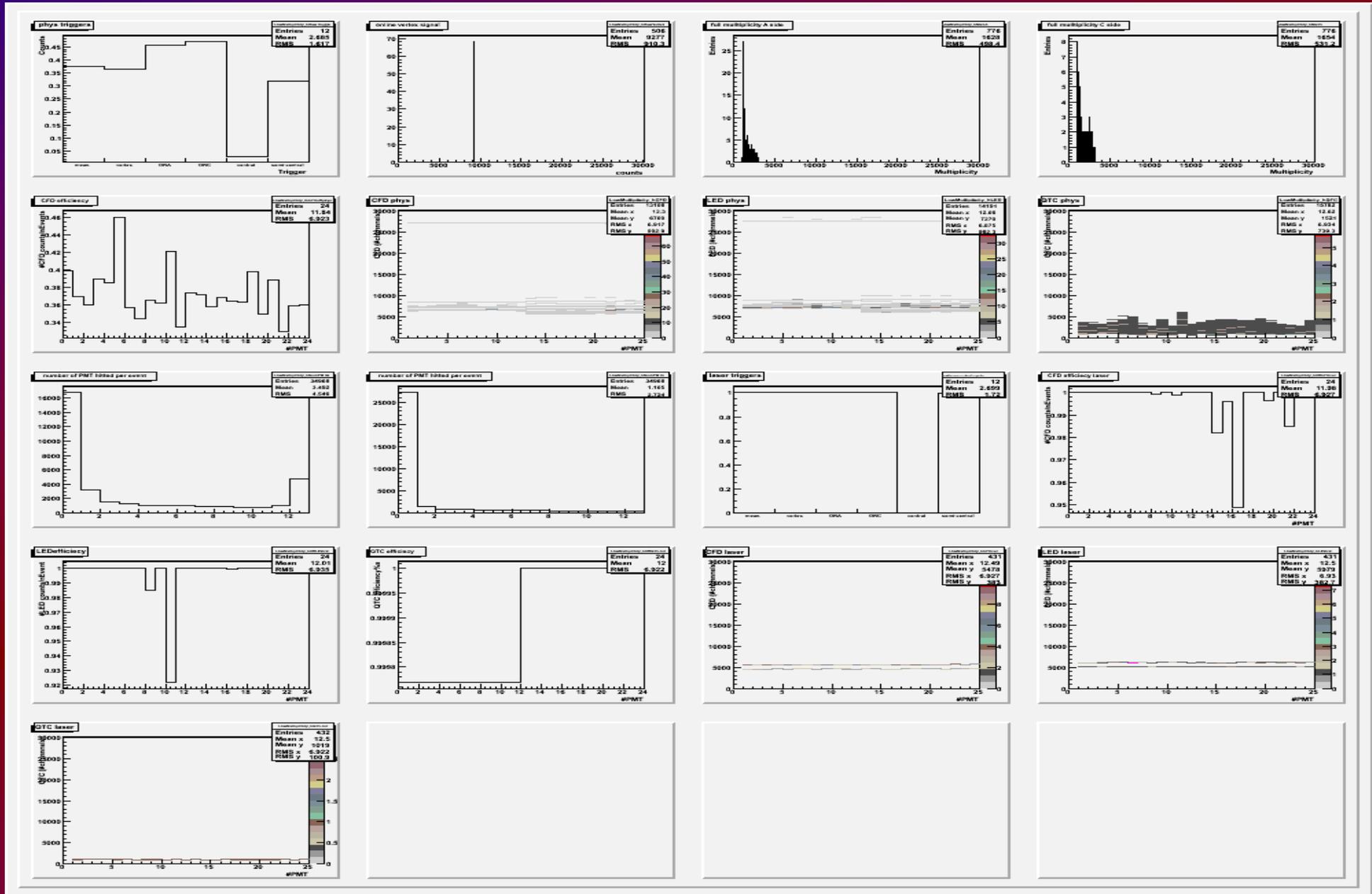


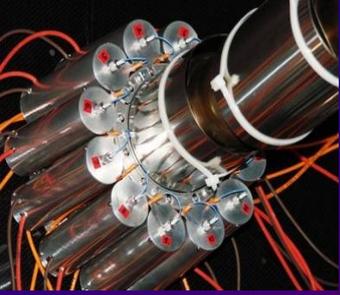
QA

New :
4 shifter histograms for laser data inside
physics run;

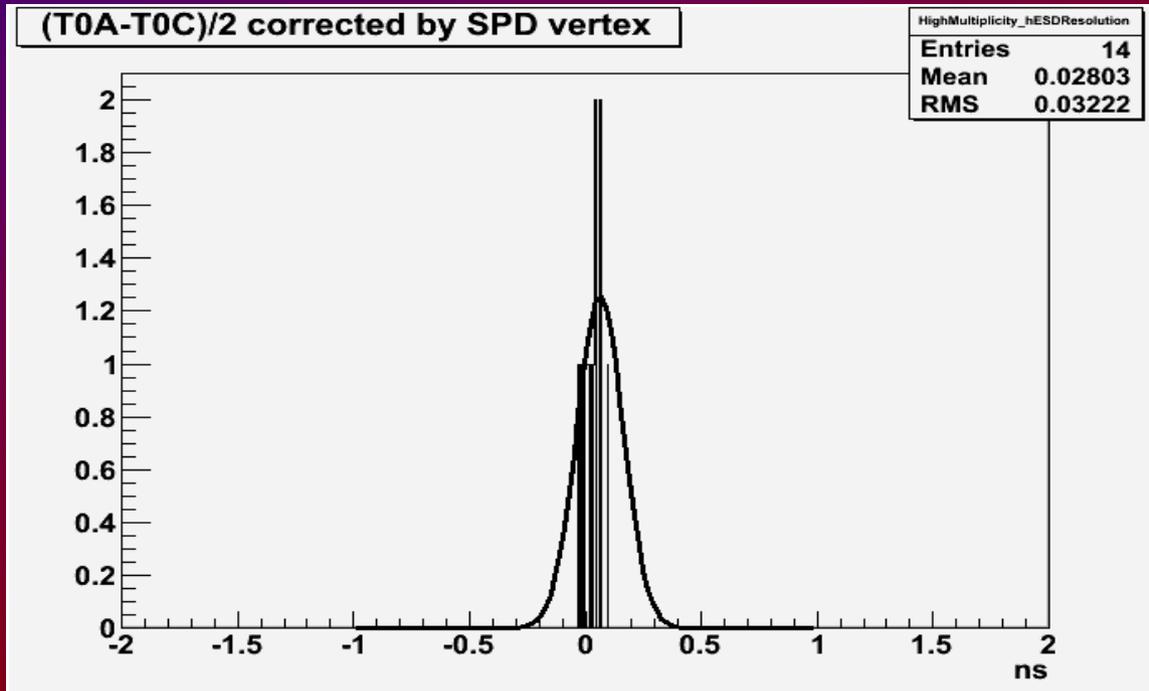


QA histograms published in log book for each run for remote detector control





QA ESD



T0QADataChecker checks mean and sigma of T0 resolution and should report about problems