



Contribution ID: **18**

Type: **not specified**

## Kickers

*Wednesday 17 January 2007 15:05 (20 minutes)*

Reliable operation of LHC injection, tune/aperture and LBDS kicker systems relies on continuous on-line and off-line surveillances of their critical operational characteristics. Different acquisition techniques like trends logging, shot-by-shot logging or fast transient recording will be used to acquire and record the diverse types of signals existing within kicker systems. Correlation between the acquired data will be done through a precise time-stamping of the data acquisition time coupled with an internal management of the possible acquisition trigger sources.

The structure of the different post-mortem buffers will be presented for each kicker system with estimation of their volume and a description of the different acquisition analysis and recording mechanisms. In addition, the triggering logic will be described and the remaining open-issues linked mainly to the distribution of post-mortem event(s) will be highlighted.

**Presenter:** CARLIER, Etienne (CERN)

**Session Classification:** Session 4