

## **LONGITUDINAL FEEDBACK SYSTEM SOFTWARE DEVELOPMENT IN TLS**

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A DSP based longitudinal multi-bunch feedback system is being developed in TLS. The control of feedback system consist of a digital signal processors array to execute feedback algorithm and to provide raw data for diagnostic purposes, a simulation tool to develop and adjust parameter for the system. In order to develop, commission and operate this system efficiently, an integrated software environment has been developed. The commercial off-the-shelf product solution was selected in DSP environment to save development time. Networked based DSP development environment provide a convenient way to code debug, beam test, and execute control rules, system simulate tools on console computer, is integrated with clients offer to operate this feedback system. The preliminary testing experience and development well be discussed in the conference.