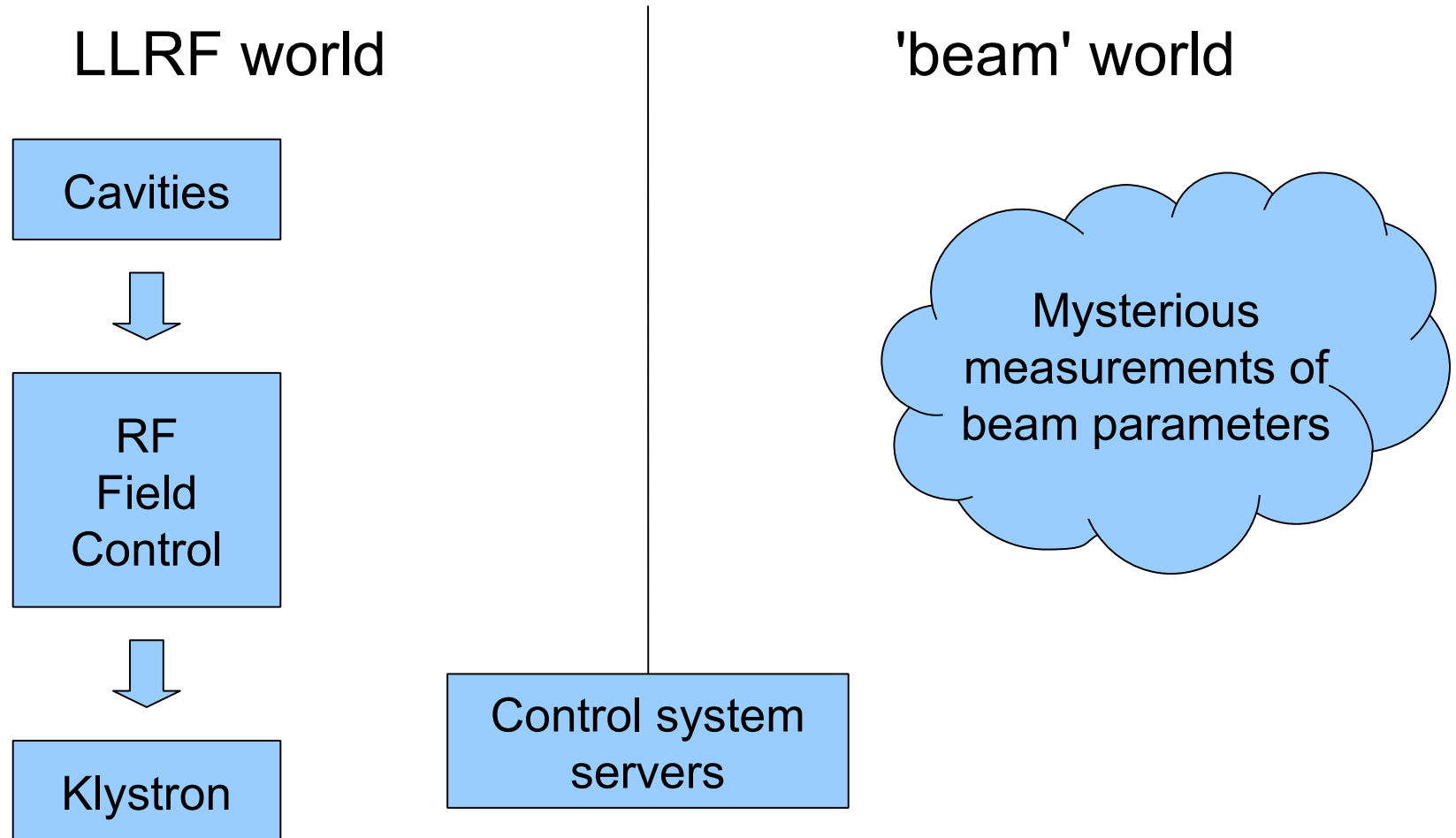


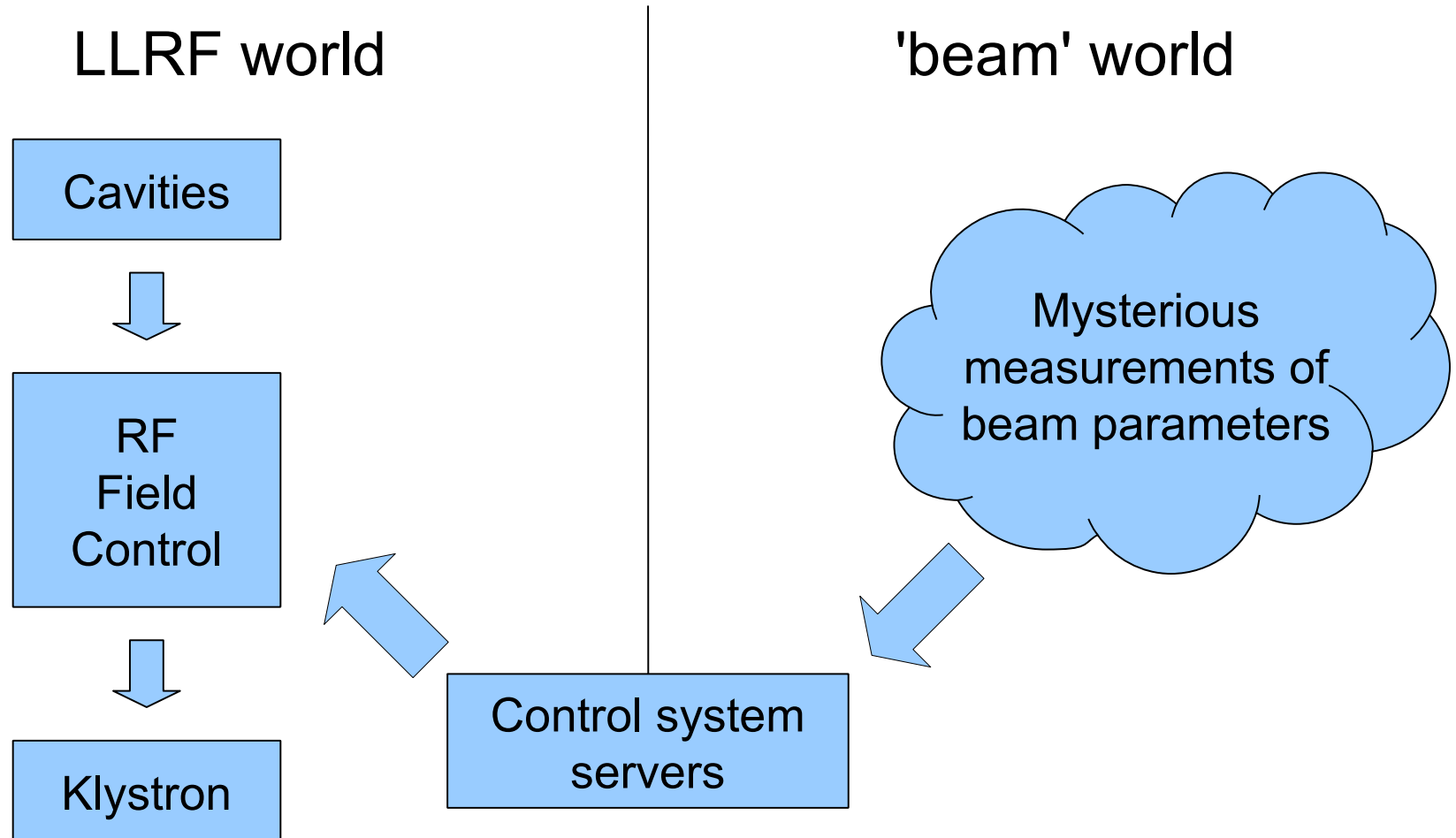
Beam based FB implementation with SimconDSP and uTCA LLRF controllers

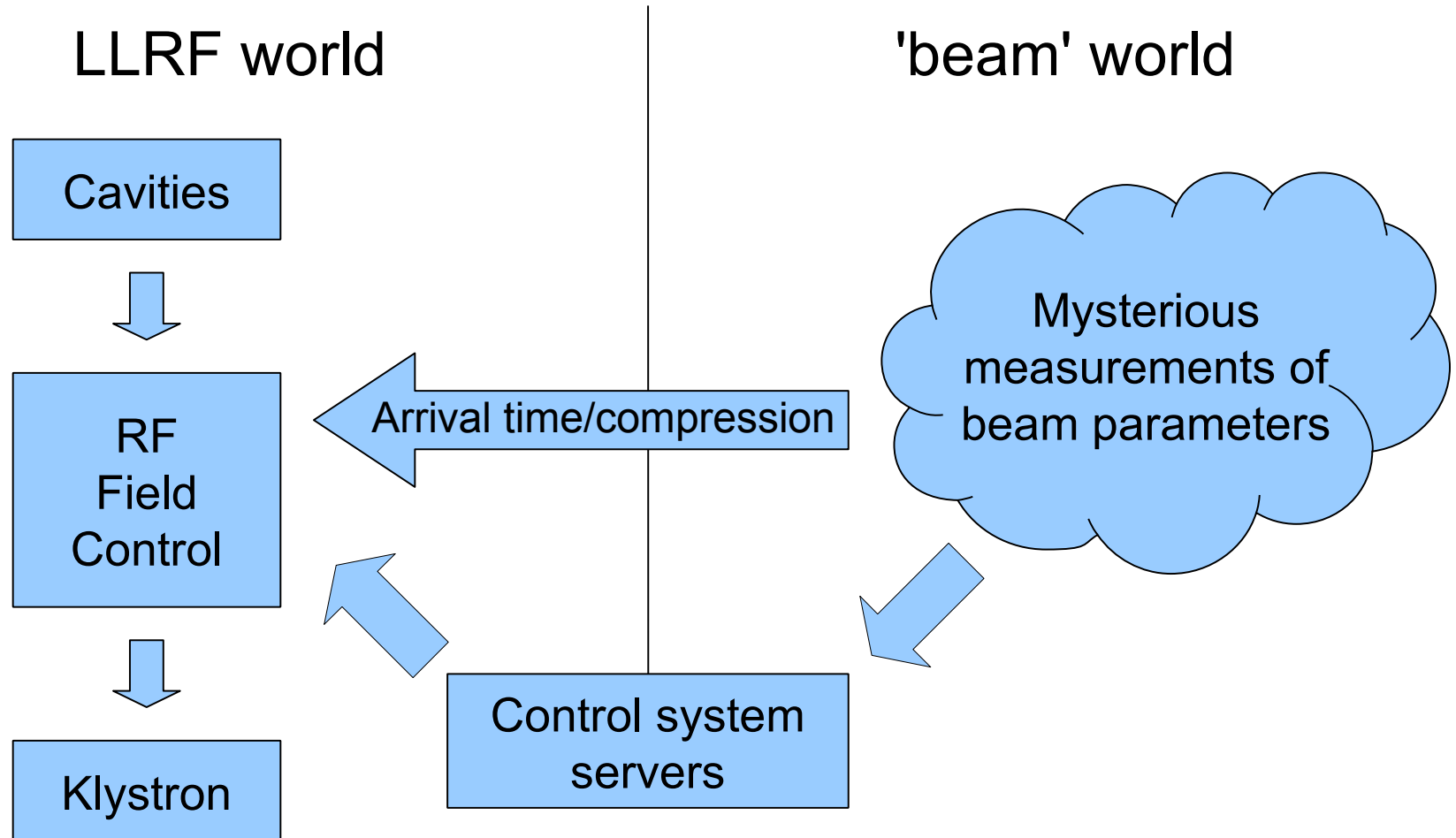
Wojciech Jalmuzna

*Workshop on Linac Operations with Long Bunch-trains
6-8 June 2011, DESY*

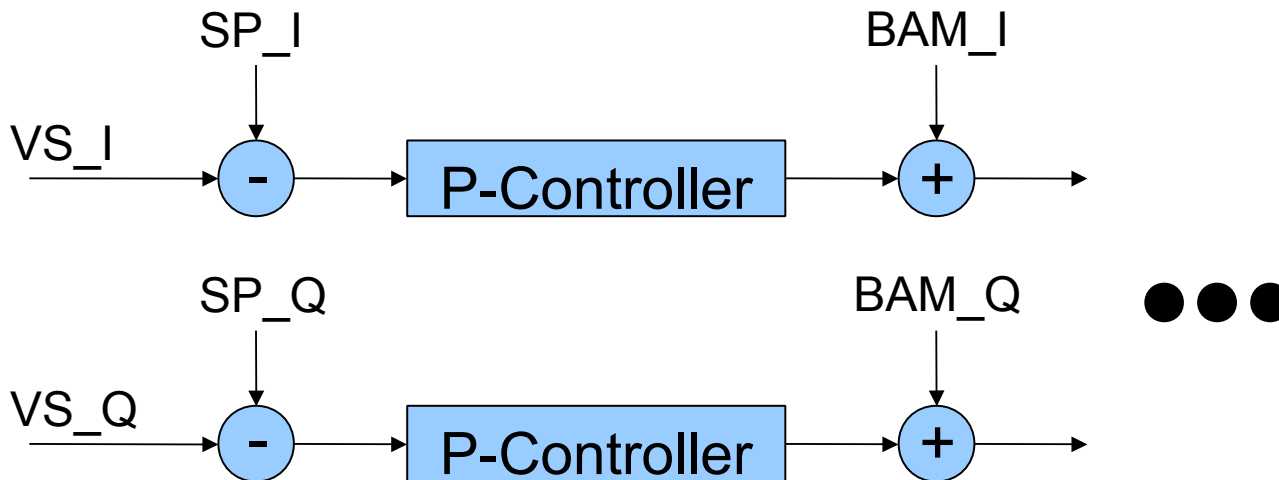
- Introduction
- Online BBF history
- Current implementation
- Future of BBF



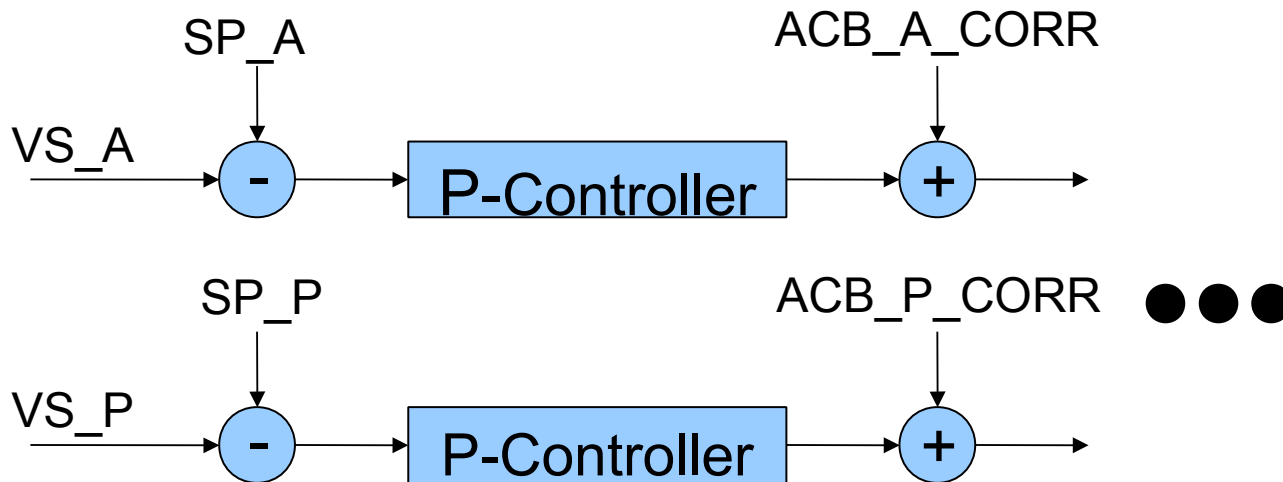




- First on-line implementation (2008) – only BAM signal used to change amplitude of LLRF control signal

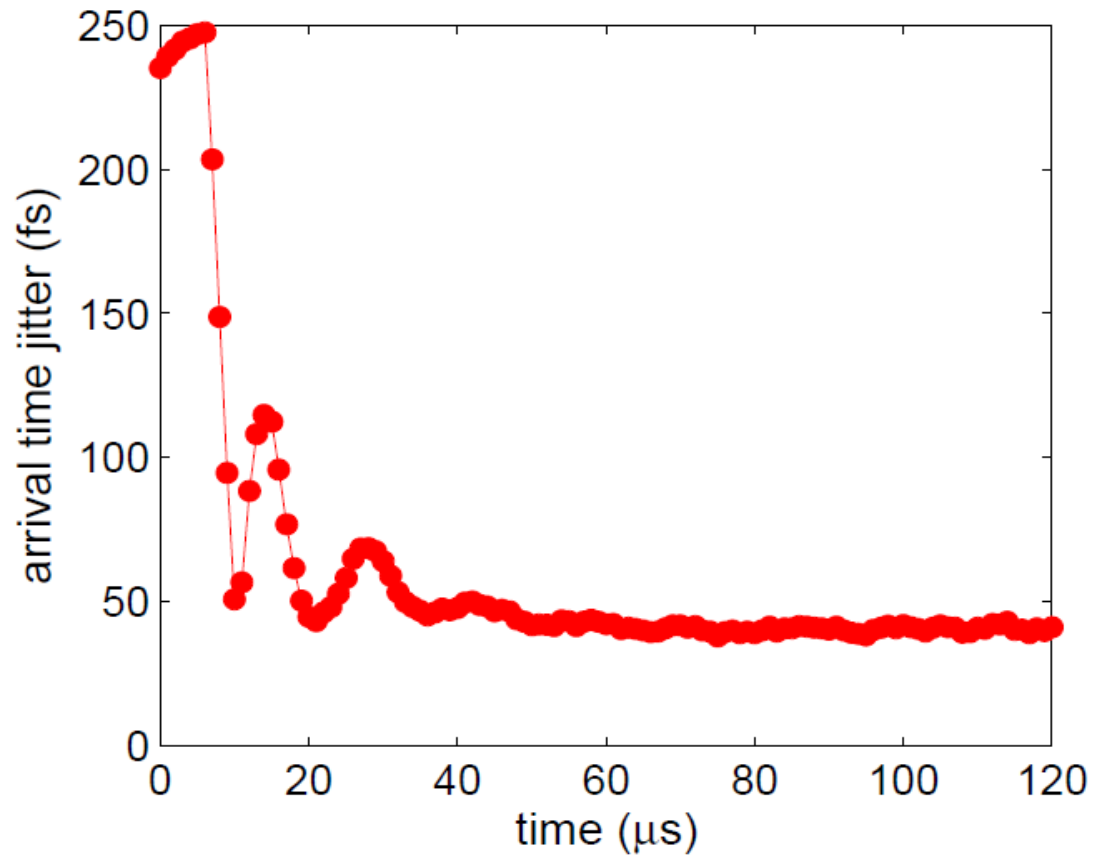


- 2008 – compression monitor added



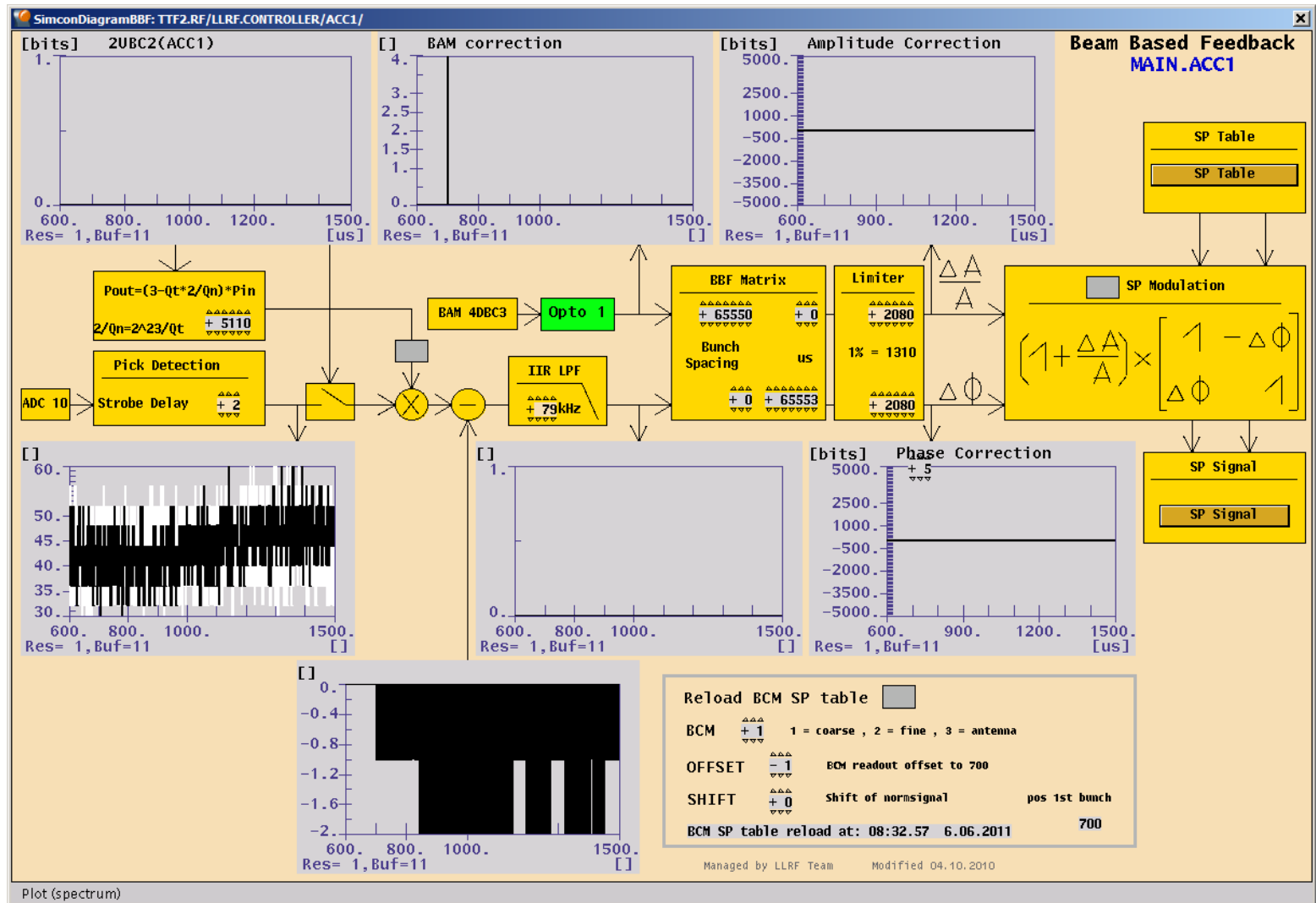
LLRF Controller changed to AP mode –
performance documented in TTF logbook

Online BBF history



EPAC08 publication
Last test 03.2009

Current implementation



- Hardware – new uTCA based LLRF system is being developed
- Functionality – MIMO controller in BBF path

Current resource usage
in ACC1 is near limit :(

Thank You