

## **“What you get” – Transverse Damper system**

F. Dubouchet, W. Hofle, G. Kotzian, D. Valuch

ADT operation in 2012 was very smooth, routinely switching between different modes and operating the feedback during the entire LHC cycle. We present the new features developed and commissioned in 2012, the selective blow-up, gain gating within the turn and increased bandwidth operation. Several methods were proposed and tested concerning the ADT vs. BBQ cohabitation in order to find the best compromise for machine operation. Performance scaling from 4 to 6.5 TeV, potential limitations at high energy as well as the consolidation and upgrade activities foreseen for the LS1 will be also presented.