# Experiences with MPS related systems and foreseen improvements for LS1

This contribution will focus on three instruments with implications for machine protection, namely: the abort gap monitor, the dI/dt (current transformer) and the interlocked BPMs in IR6. For each of these instruments the current status will be presented, including existing performance and reliability issues as well as statistics and nature of failures observed during RUN I. The plans for modifications and improvements during LS1 will also be presented highlighting the impact on performance and reliability alongside with the resources requirements to carry them out.