

## Transfer lines - stability and optimization

*Monday 12 December 2011 16:15 (25 minutes)*

During the LHC proton run 2011 large drifts, shot-by-shot and even bunch-by-bunch trajectory variations were observed with the consequence of high losses at injection and frequent lengthy trajectory correction campaigns. The different effects will be quantified and an estimate for downtime caused by them in 2011 will be given. The sources of the instabilities, solutions for 2012 and achievable improvements will be discussed. Possible future upgrades (TCDI button BPMs, ...) will also be mentioned.

**Presenter:** DROSDAL, Lene Norderhaug

**Session Classification:** Session 3: Injection