

**Beams in the CERN PS Complex after the RF Upgrades for LHC,** A. BLAS, R. CAPPI, R. GAROBY, S. HANCOCK, K. SCHINDL, J.L. VALLET, CERN - In preparation for the LHC, extensive modifications are being made to the RF equipment of the PS Booster (PSB) and of the PS during the winter shut-down '97-'98. Low frequency RF systems (0.6 - 1.8 MHz and 1.2 - 3.9 MHz) are being installed in the PSB and fixed frequency 40 and 80 MHz systems in the PS. The longitudinal characteristics of all beams are changed to make the best use of the new capabilities. This paper summarizes the characteristics of the new equipment and describes the RF gymnastics used to generate the various beams. The performances achieved so far are reported and compared to former results. Future plans are sketched.