

Follow up of e-cloud driven instabilities at the CERN SPS

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In the past years a number of studies identified the e-cloud in the SPS as a limiting factor for above nominal bunch intensities for the LHC beams. In 2008 a set of studies has been set up to give a more precise and accurate description of the instabilities in order to estimate potential benefits of a single bunch transverse feedback system. This seminar gives a report of the new methods and preliminary results of the first set of measurements in the SPS carried out in June 2008.