

xBSM bunch-by-bunch measurements in EC conditions at CsrTA

Sunday, October 10, 2010 12:00 PM (30 minutes)

Measurements have been made of the bunch size and position along the train in electron cloud conditions at CsrTA. Preliminary results show a bunch size blow-up starting partway down the train, with the threshold bunch position moving forward at higher bunch currents, as would be expected for electron-cloud blow-up. The bunch-by-bunch beam profile and position data, and their Fourier power spectra, are further analyzed and presented.

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