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## News from DC-pulsed system at CERN

*Monday, 20 March 2017 14:30 (30 minutes)*

High-field and breakdown experiments are being carried out at CERN using a pulsed dc set-up. The objective of the pulsed dc experiments are to complement the ongoing high-gradient radio frequency experimental program and for optimizing material treatments, parameters of conditioning process and methods of minimization of breakdown events in accelerating structures. The latest hardware developments and results from DC-pulsed systems will be presented including: influence of pulse length on breakdown rate, breakdown localization, dark current measurements and the high-field behaviour of different materials.

### **Type of contribution**

Oral

### **session**

Experiments and Diagnostics

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