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## **Cryogenic Current Comparators (CCC) Status and Next Steps**

Non-destructive, absolute, DC measurement of small beam currents is the domain of superconducting CCCs. In this presentation, the three present places of activity are discussed, CERN-AD, FAIR, and the basic research in the area Jena.

The latest laboratory results of smaller CCCs are presented: Single pulse resolutions below 1 nApp, a white noise current density of 1 pArms/sqrt(Hz) and a bandwidth of over 1 MHz.

The plans for transferring these results to the world of the large FAIR-CCC are explained.

Finally, the possibilities and limits of alternative, non-cryogenic solutions are discussed.

### **Speed Talks**

Normal

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