

**Orlandi/Marcellini/Craievich:
Charge measurements in
SwissFEL with FC, WCM, ICT
and BPM**

Report of Contributions

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We present the results of a comparative measurement campaign of the beam charge carried out at SwissFEL using the following instruments: Faraday-Cup (FC), Wall-Current-Monitor (WCM), Integrating-Current-Transformer (ICT) and cavity Beam-Position-Monitor (BPM). The goal of the measurement campaign was to determine an absolute charge measurement method for a general purpose of instrument calibration and for BAG related charge measurement issues.

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