

# Screens for BTV instrumentation

*Tuesday 20 June 2023 09:20 (20 minutes)*

Screen based instruments are commonly used in particle accelerators for beam steering, observation and size measurements. After a short introduction to this type of instrumentation deployed all along the accelerator chain at CERN, the presentation will focus on the experimental beam tests recently done on new type of screens made of nanotube material: CNT and BNNT. This was performed on the HiRadMat facility which can provide high intensity together with small beam size. Setup of the experiment and results will be discussed.

**Presenter:** BURGER, Stephane (CERN)

**Session Classification:** Beam instrumentation needs 1/2