

## Experience with CNT wires in high electric field

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Because of the increased radioactivity in LSS2 (SPS slow extraction towards north area), new low-Z materials were studied for use in electrostatic septa. Carbon Nano Tubes wire (CNT) was the first candidate to be studied. A test facility was built to assess the behaviour of the CNT wires in high field conditions.

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