

# Establishment of a Silicon Carbide Source Test Setup and Initial Results

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Silicon Carbide (SiC) is a promising material for particle detection and beam diagnostics due to its supposedly high radiation resilience. We established a new probe station setup and an experimental setup to evaluate SiC performance using radioactive sources. This effort involved integrating SiC pad sensors from the Common RD50 project into a small, shielded tabletop setup, enabling precise measurement of pulse characteristics such as the charge and timing resolution with several Am241 sources.

Initial results highlight the development of the measurement setup, IV characteristics will be presented.

## Type of presentation (in-person/online)

in-person presentation

## Type of presentation (I. scientific results or II. project proposal)

I. Presentation on scientific results

**Author:** MUELLER, Roman (CERN)

**Co-authors:** RIZWAN, Faiza (Cern); MOLL, Michael (CERN); WIEHE, Moritz (CERN); KUEHN, Susanne (CERN)

**Presenter:** MUELLER, Roman (CERN)

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